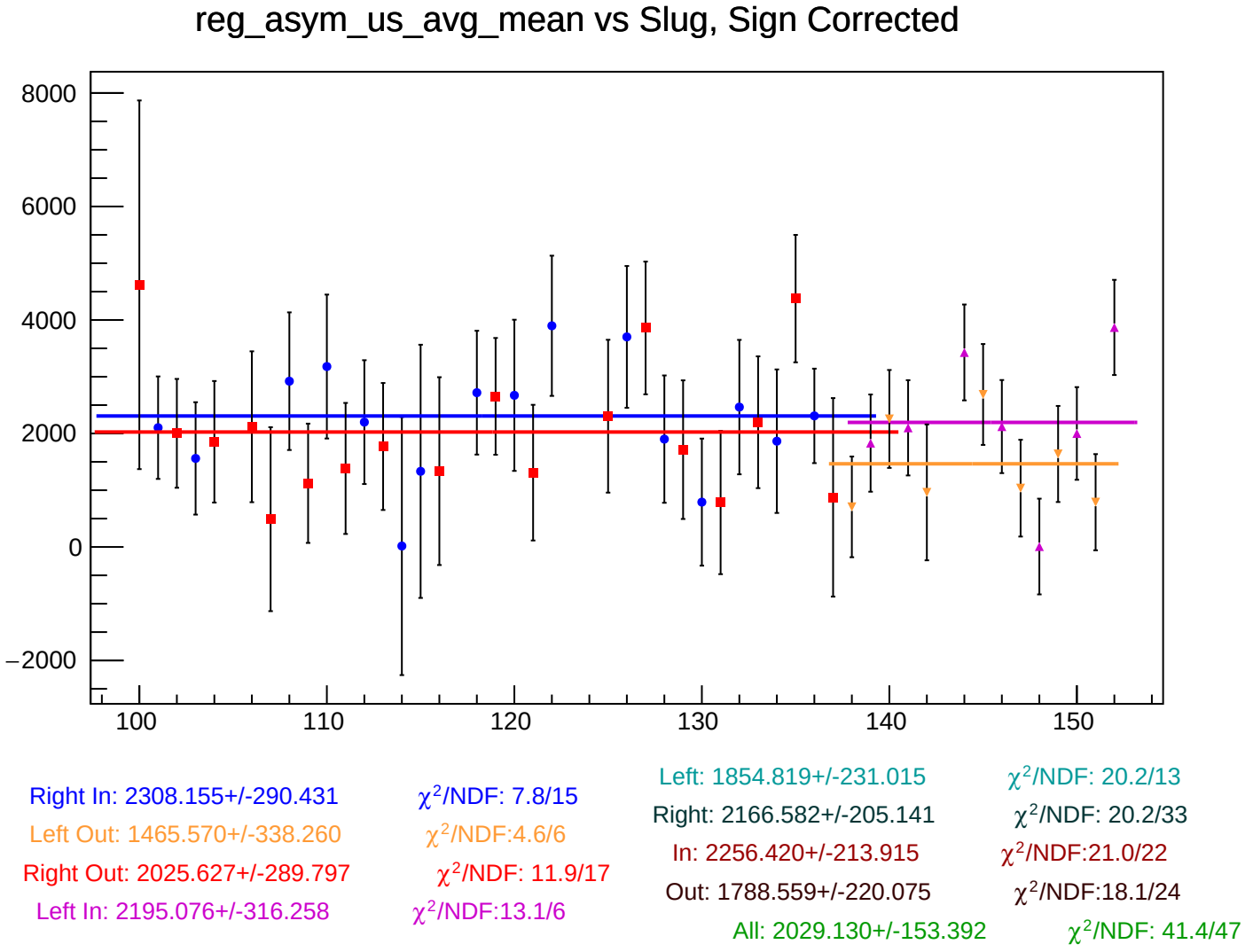
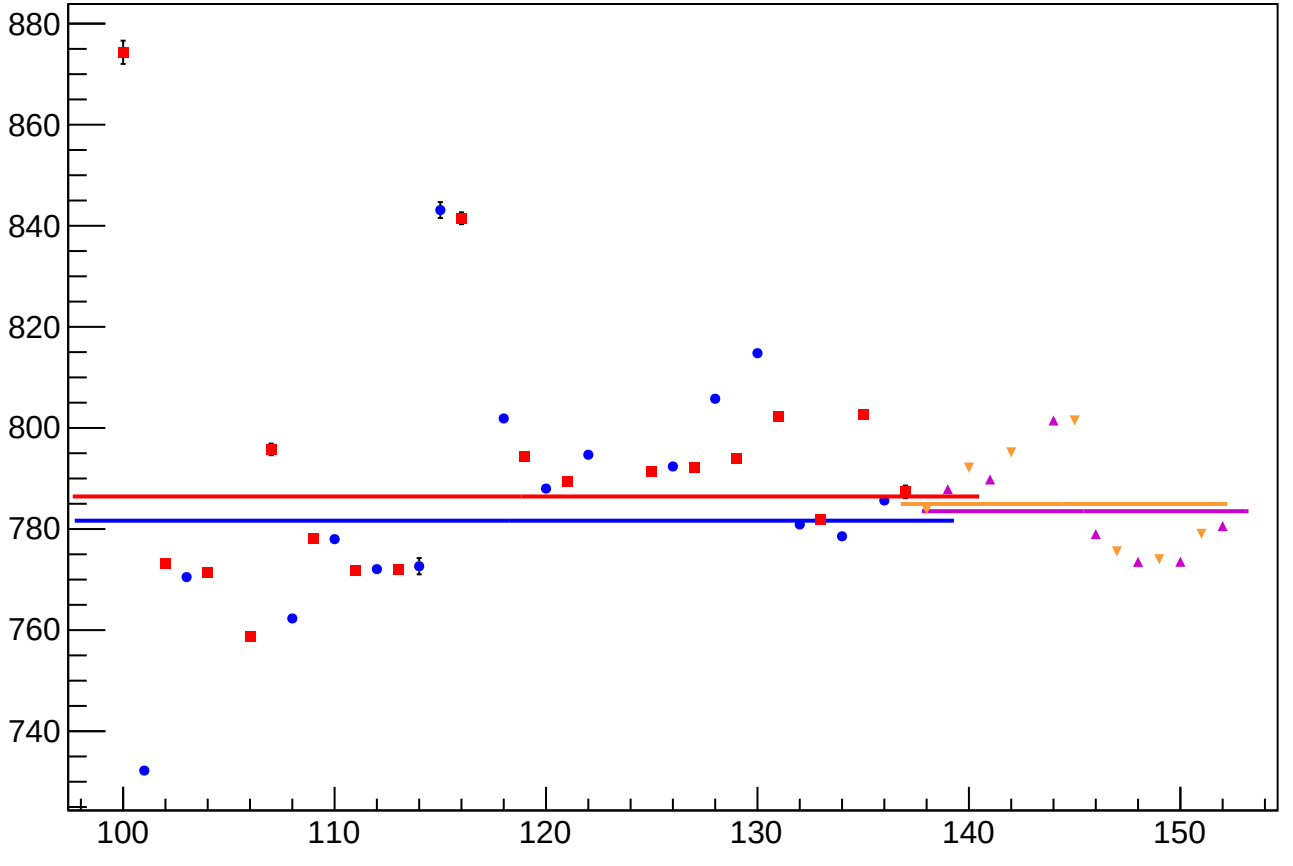

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1465.570+/-338.260
χ²/NDF:4.6/6
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 2195.076+/-316.258
χ²/NDF:13.1/6
Left: 1854.819+/-231.015
χ²/NDF: 20.2/13
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2256.420+/-213.915
χ²/NDF:21.0/22
Out: 1788.559+/-220.075
χ²/NDF:18.1/24
All: 2029.130+/-153.392
χ²/NDF: 41.4/47

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: 783.533+/-0.224 χ^2/NDF:1734.6/6

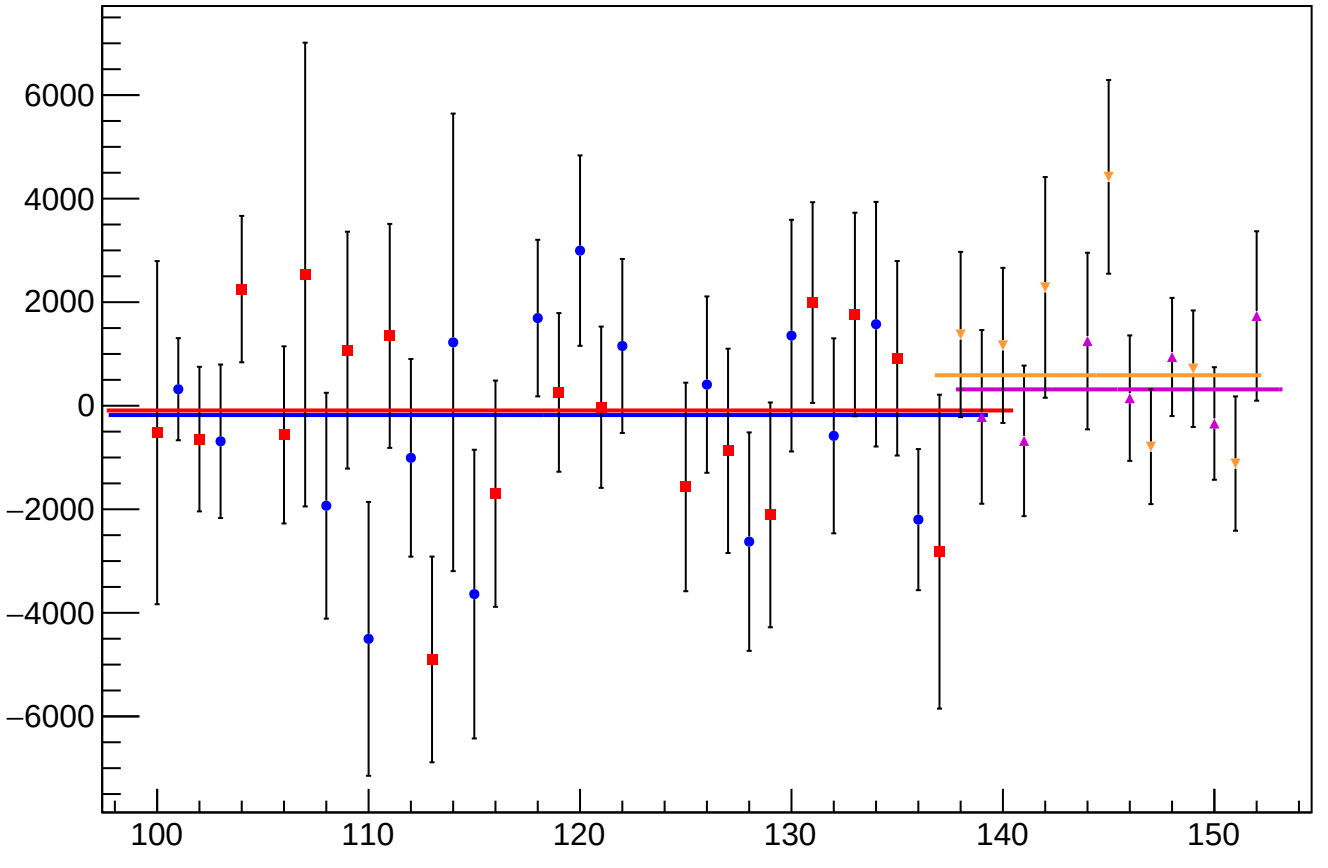
Left: 784.194+/-0.163 χ^2/NDF: 3404.6/13

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

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

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

All: 784.116+/-0.108 χ^2/NDF: 23198.2/47



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: 315.634+/-510.276 χ^2/NDF:2.3/6

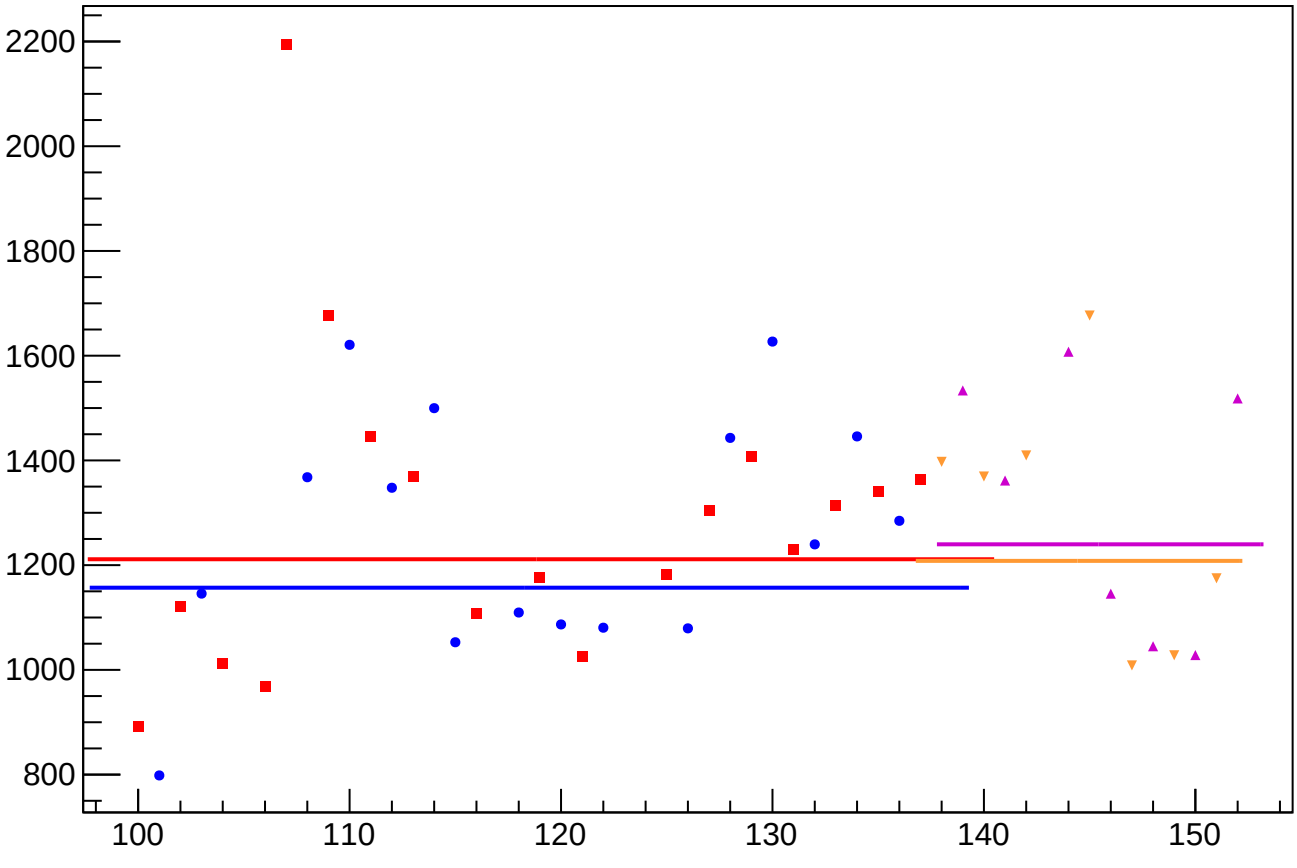
Left: 446.701+/-368.103 χ^2/NDF: 11.0/13

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

In: 31.828+/-333.561 χ^2/NDF:18.2/22

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

All: 111.120+/-239.996 χ^2/NDF: 43.0/47



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: 1239.780+/-0.361 χ^2/NDF:372376.8/6

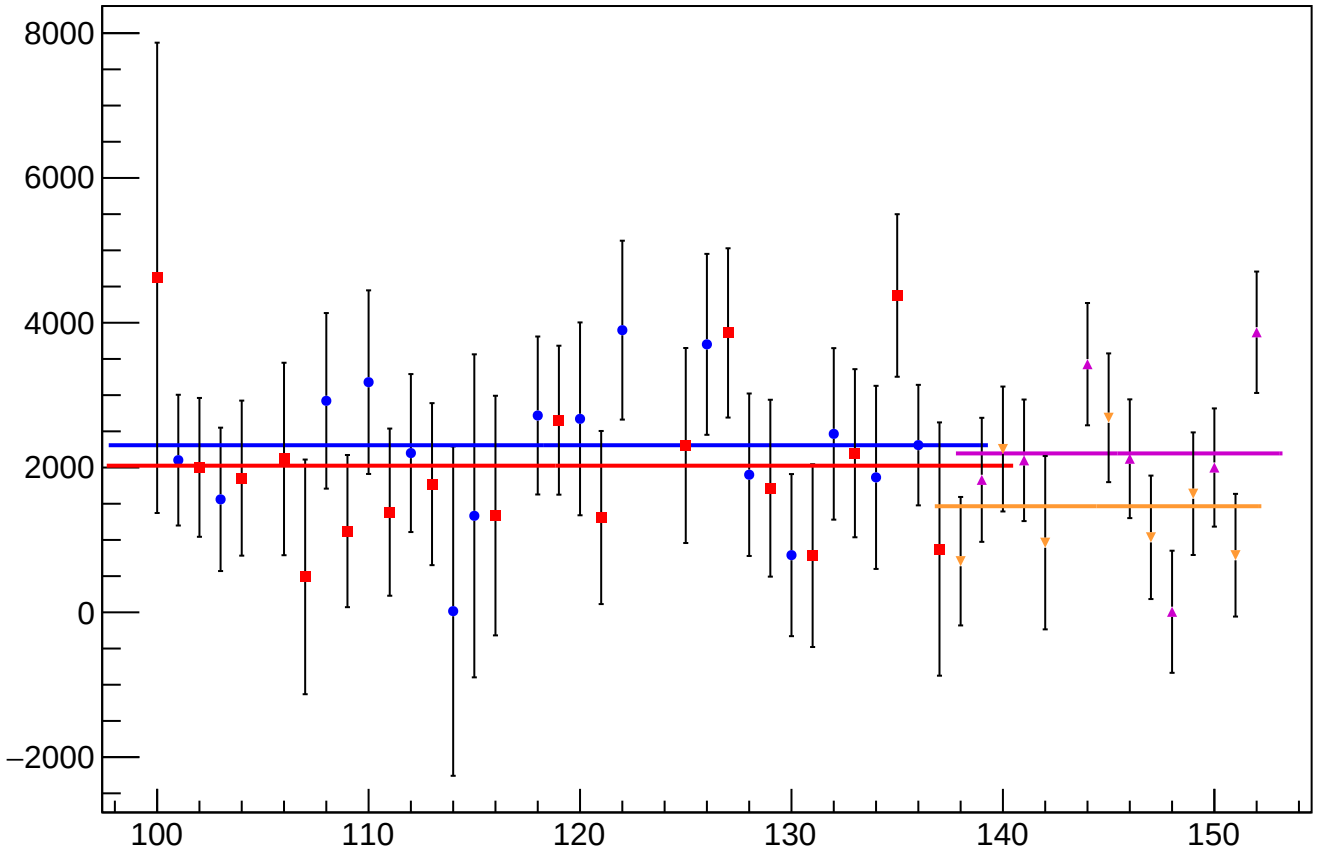
Left: 1224.616+/-0.260 χ^2/NDF: 687925.7/13

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

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

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

All: 1200.837+/-0.170 χ^2/NDF: 1683987.0/47



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: 2195.076+/-316.258 χ^2/NDF:13.1/6

Left: 1854.819+/-231.015 χ^2/NDF: 20.2/13

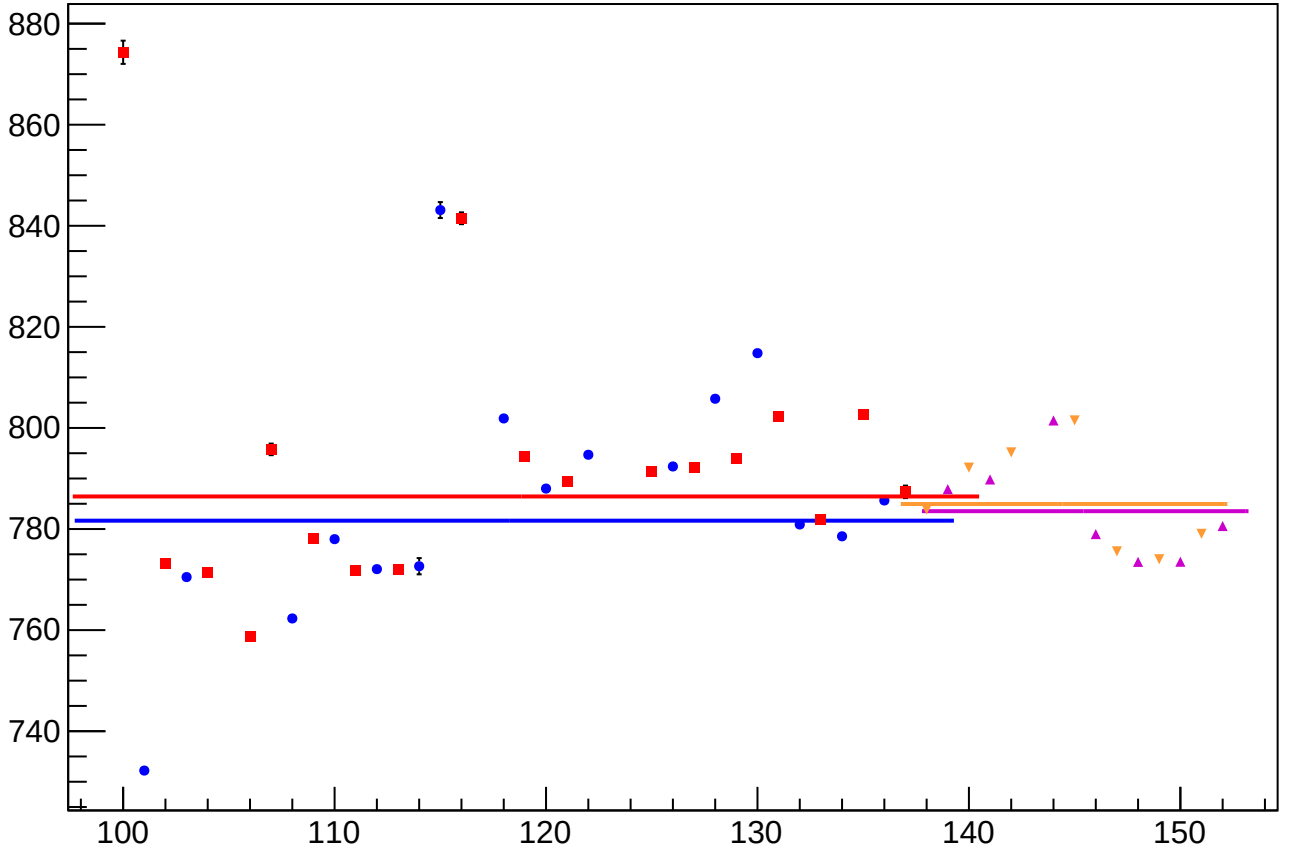
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

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

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

All: 2029.130+/-153.392 χ^2/NDF: 41.4/47

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: 783.533+/-0.224 χ^2/NDF:1734.6/6

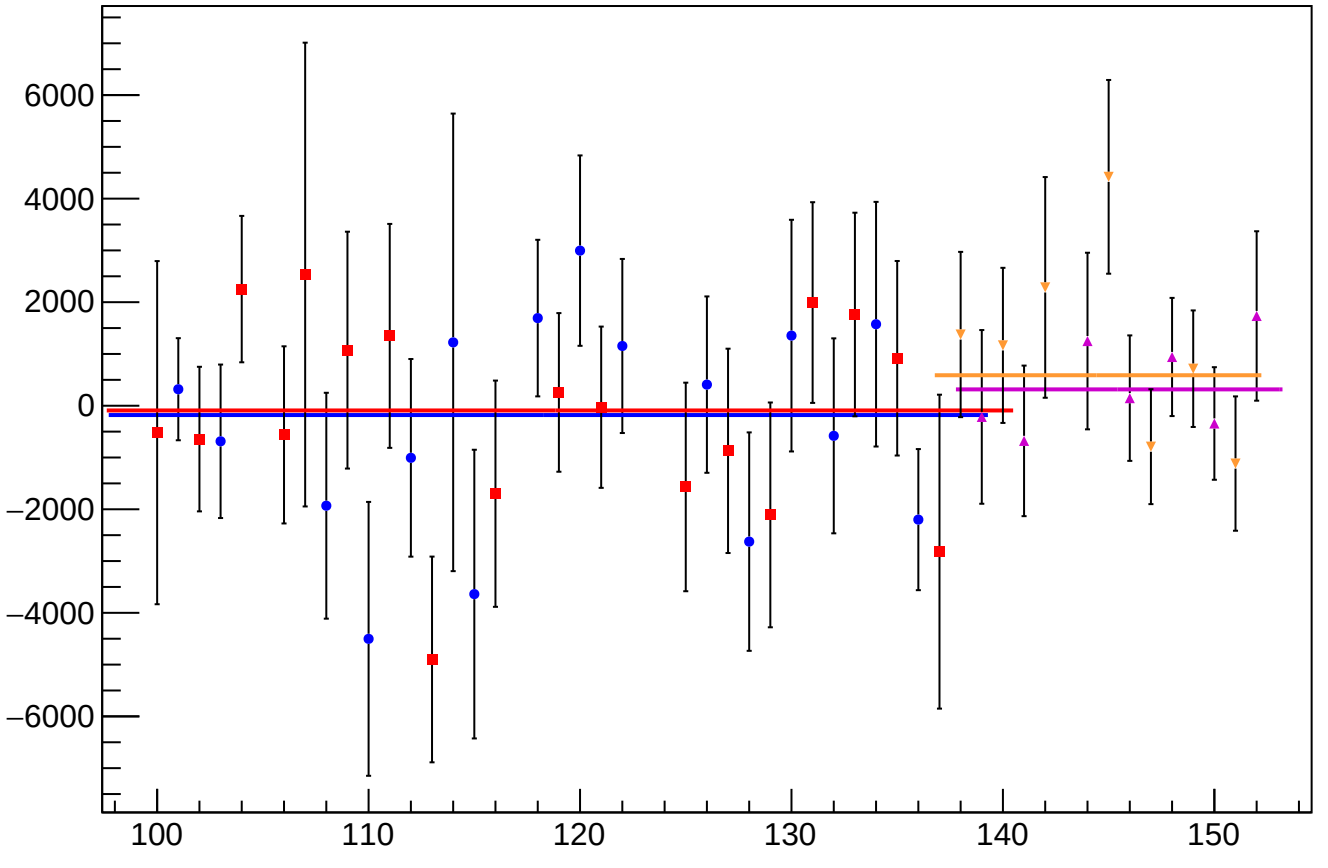
Left: 784.194+/-0.163 χ^2/NDF: 3404.6/13

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

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

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

All: 784.116+/-0.108 χ^2/NDF: 23198.2/47



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: 315.634+/-510.276 χ^2/NDF:2.3/6

Left: 446.701+/-368.103 χ^2/NDF: 11.0/13

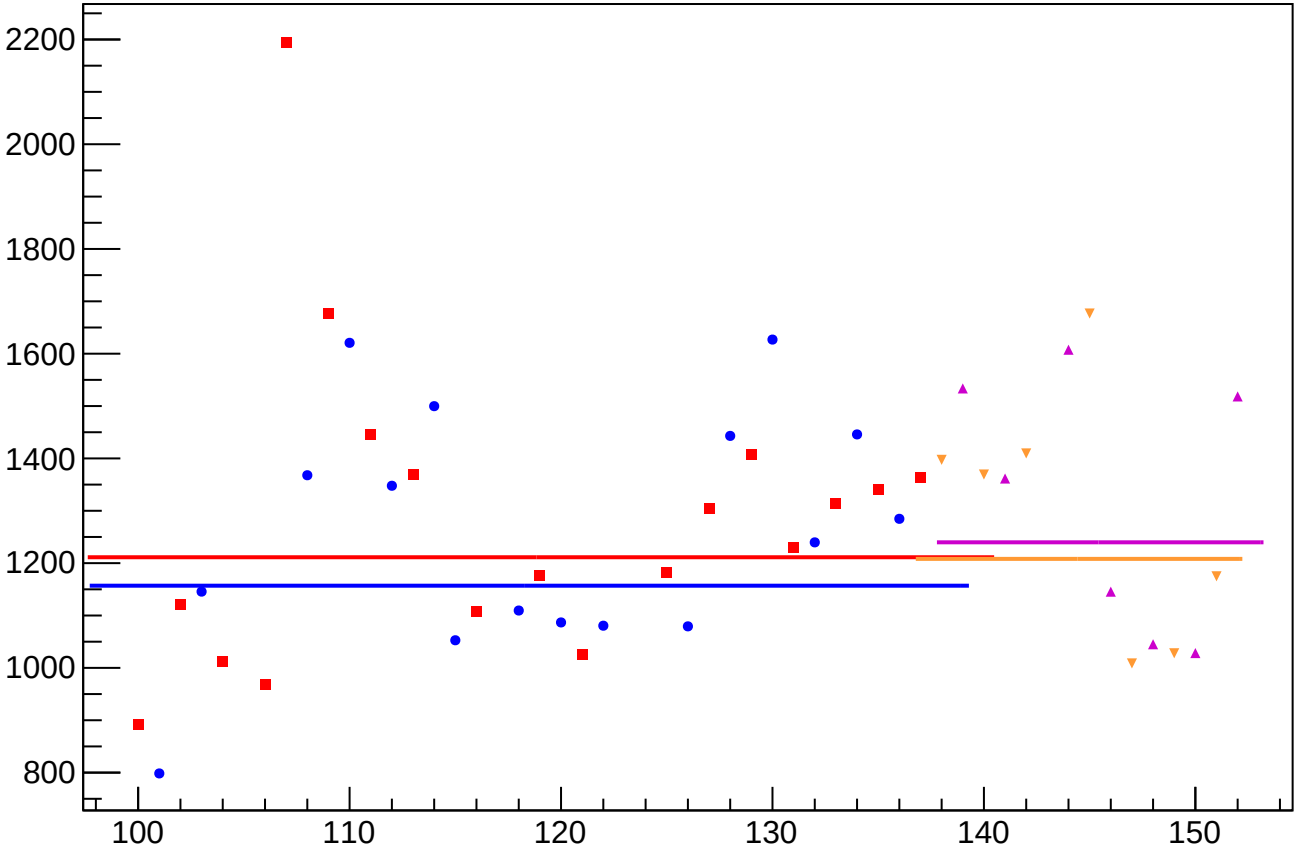
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 31.828+/-333.561 χ^2/NDF:18.2/22

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

All: 111.120+/-239.996 χ^2/NDF: 43.0/47

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: 1239.780+/-0.361 χ^2/NDF:372376.8/6

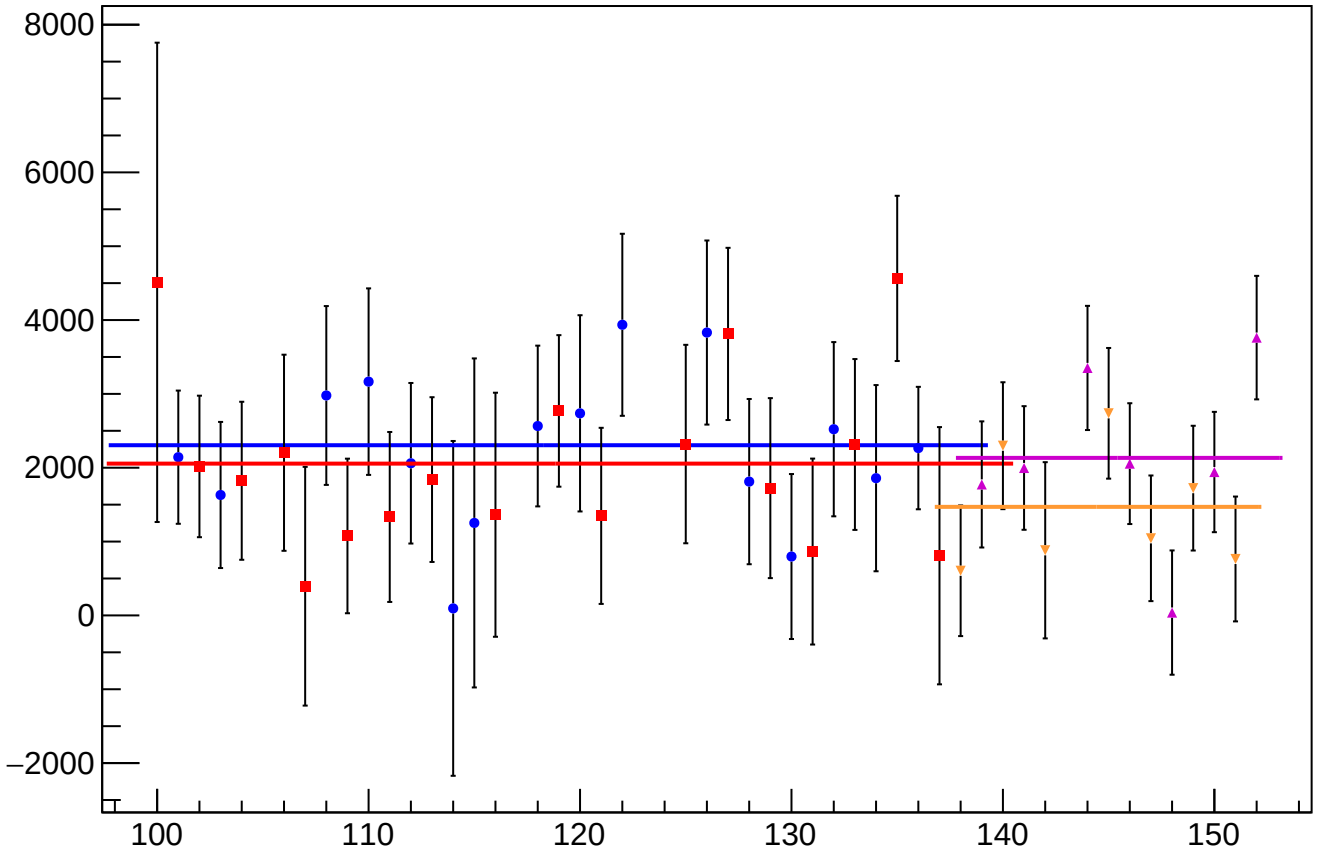
Left: 1224.616+/-0.260 χ^2/NDF: 687925.7/13

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

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

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

All: 1200.837+/-0.170 χ^2/NDF: 1683987.0/47



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: 2133.339+/-315.379 χ^2/NDF:12.4/6

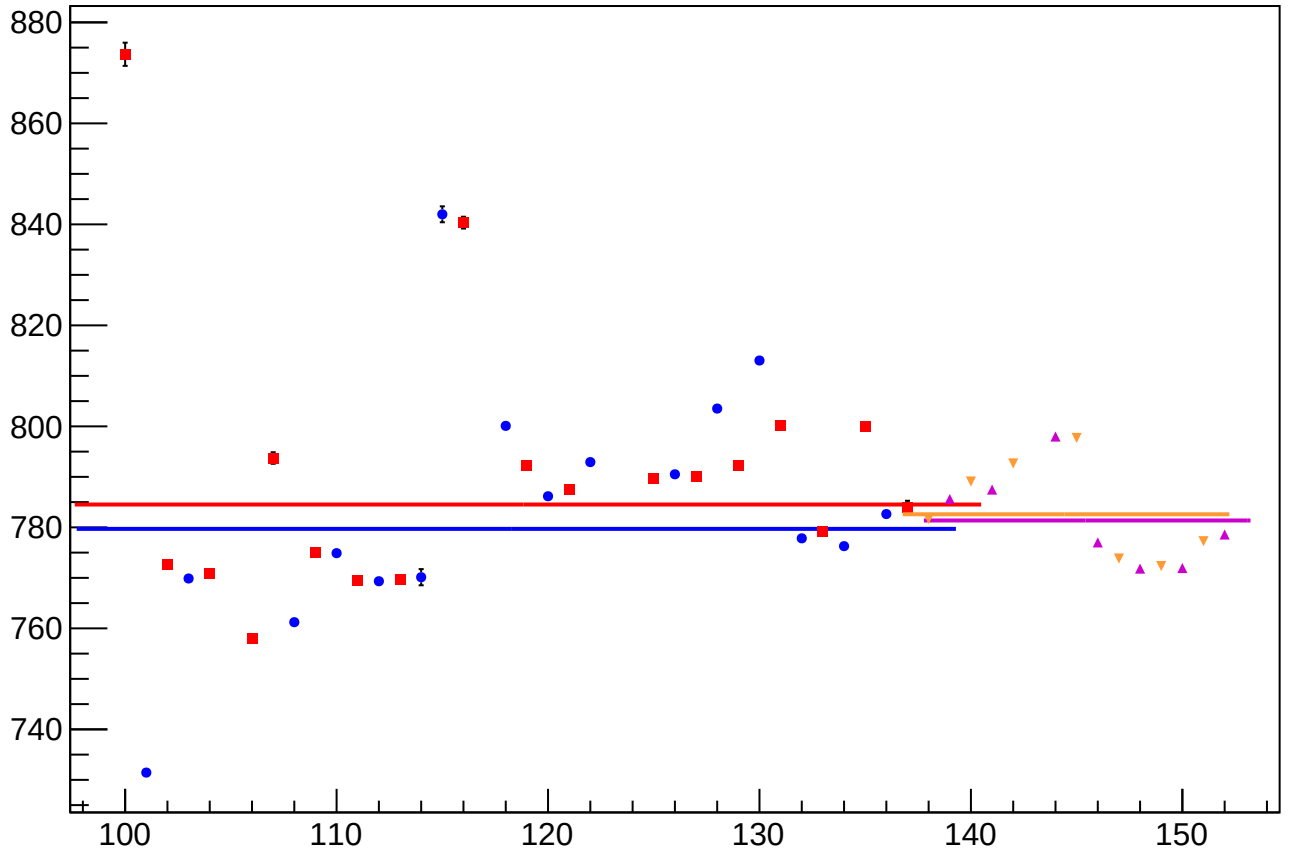
Left: 1823.890+/-230.347 χ^2/NDF: 19.6/13

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

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

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

All: 2022.920+/-152.985 χ^2/NDF: 42.3/47



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: 781.363+/-0.223 χ^2/NDF:1539.7/6

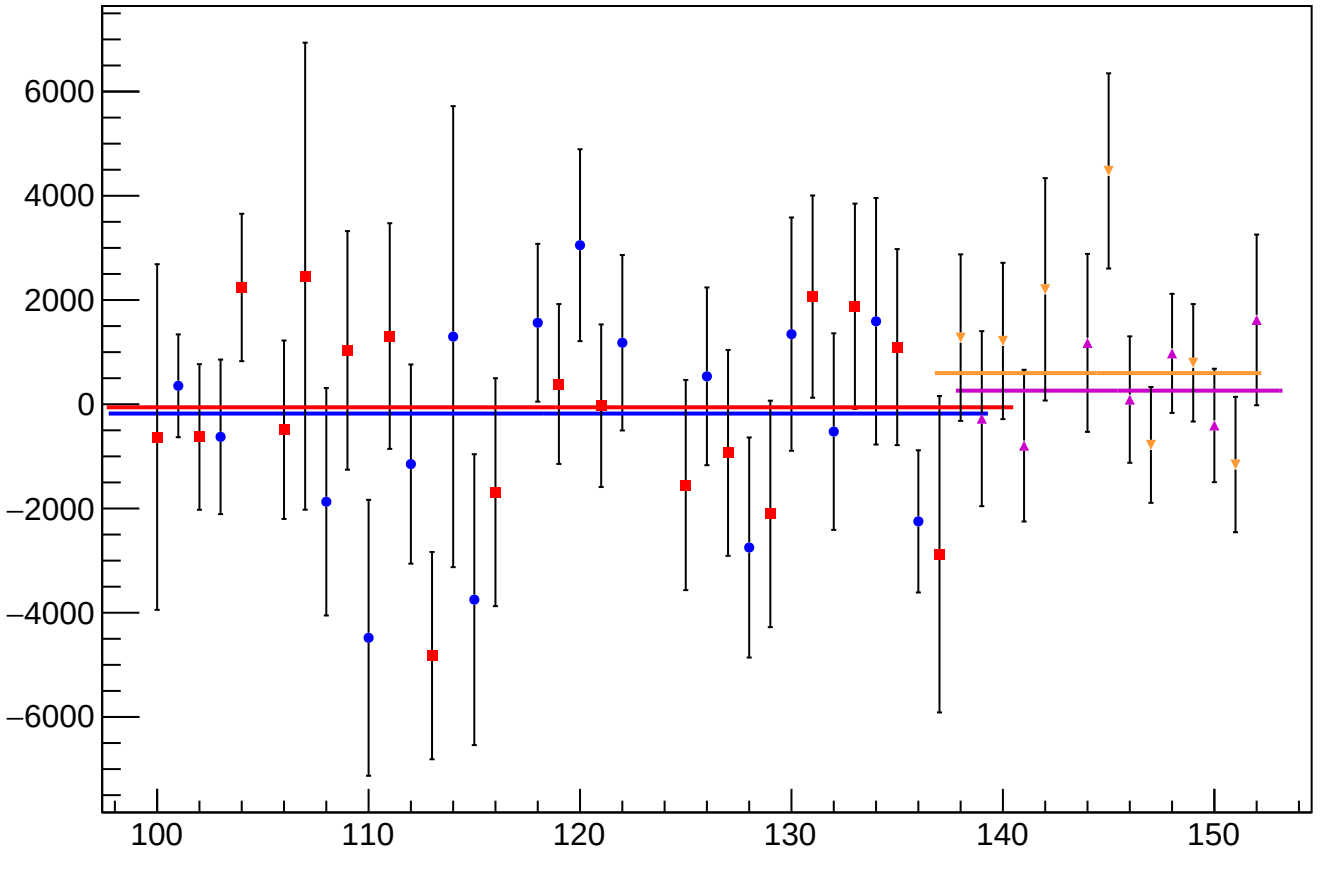
Left: 781.936+/-0.163 χ^2/NDF: 2983.0/13

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

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

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

All: 782.038+/-0.108 χ^2/NDF: 22481.6/47



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: 261.095+/-510.809 χ^2/NDF:2.4/6

Left: 422.504+/-368.510 χ^2/NDF: 11.2/13

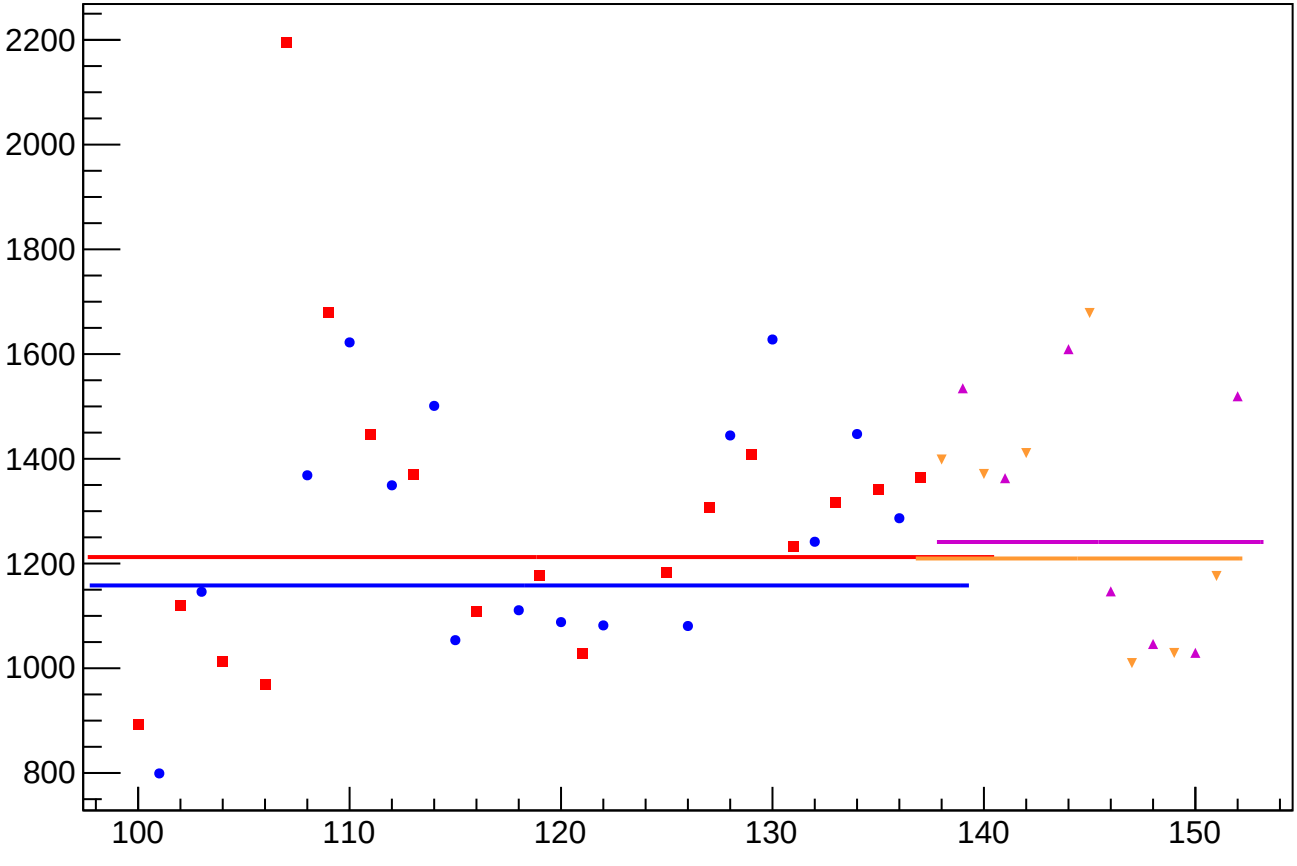
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: 9.359+/-333.903 χ^2/NDF:18.5/22

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

All: 110.493+/-240.241 χ^2/NDF: 43.4/47

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: 1241.114+/-0.361 χ^2/NDF:371823.4/6

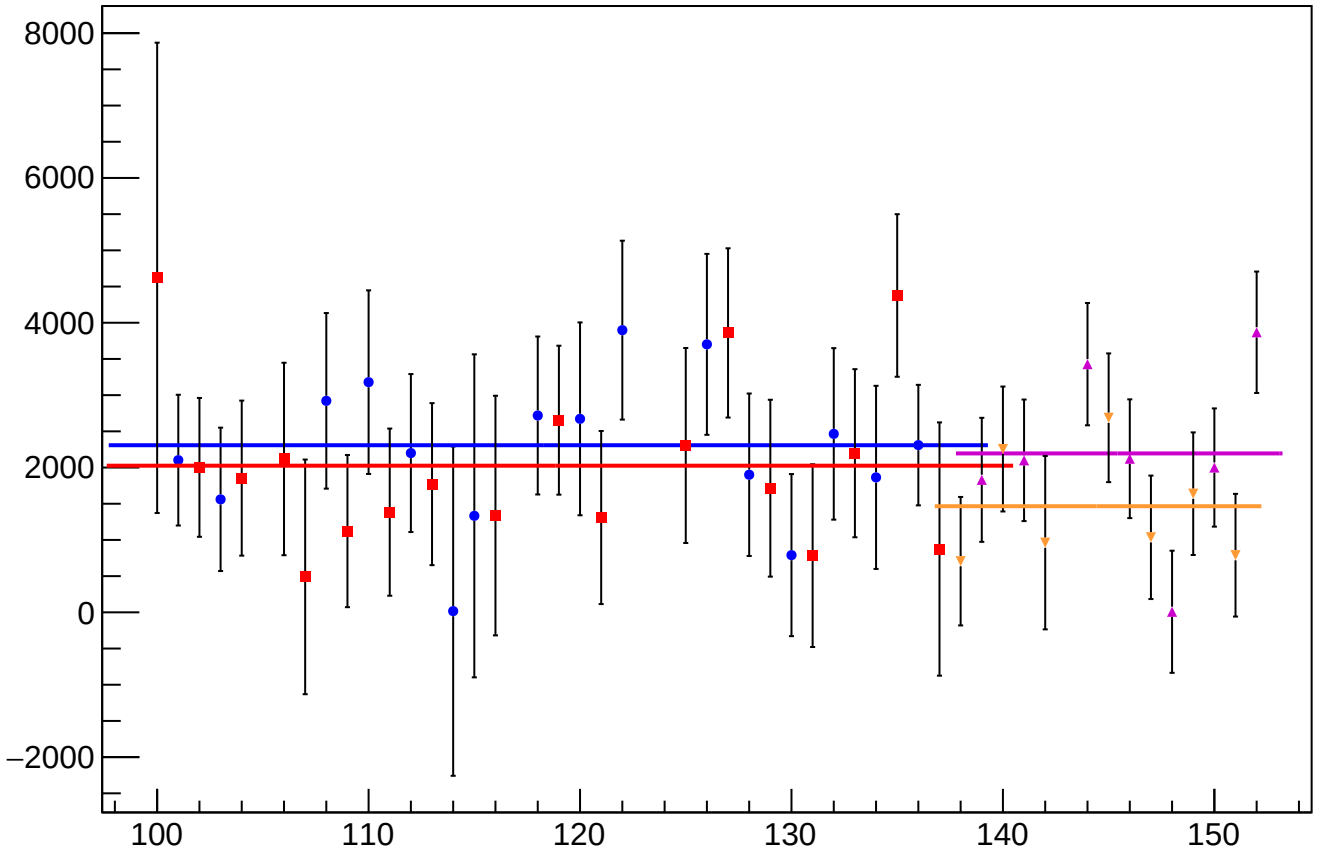
Left: 1226.010+/-0.261 χ^2/NDF: 686967.0/13

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

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

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

All: 1202.081+/-0.170 χ^2/NDF: 1683342.5/47



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: 2195.076+/-316.258 χ^2/NDF:13.1/6

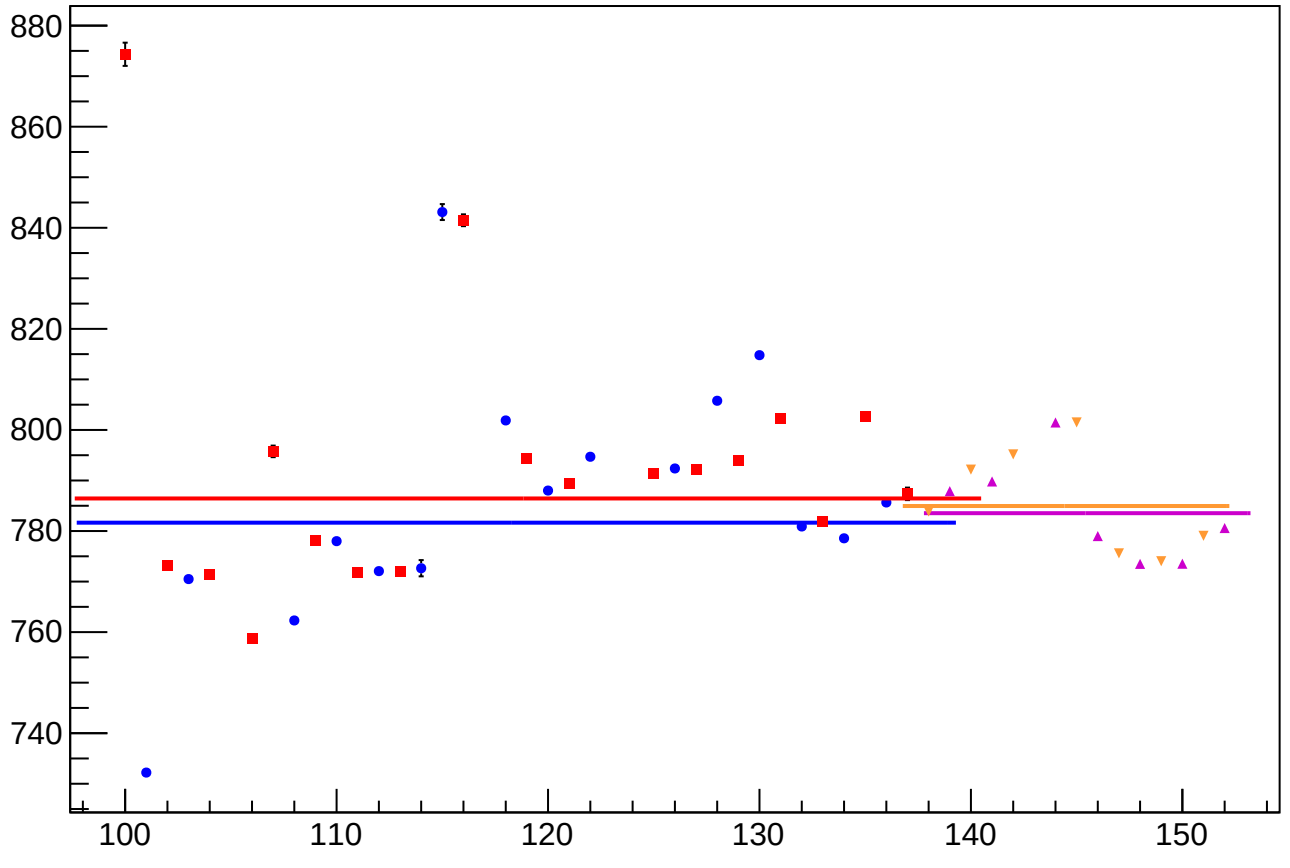
Left: 1854.819+/-231.015 χ^2/NDF: 20.2/13

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

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

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

All: 2029.130+/-153.392 χ^2/NDF: 41.4/47



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: 783.533+/-0.224 χ^2/NDF:1734.6/6

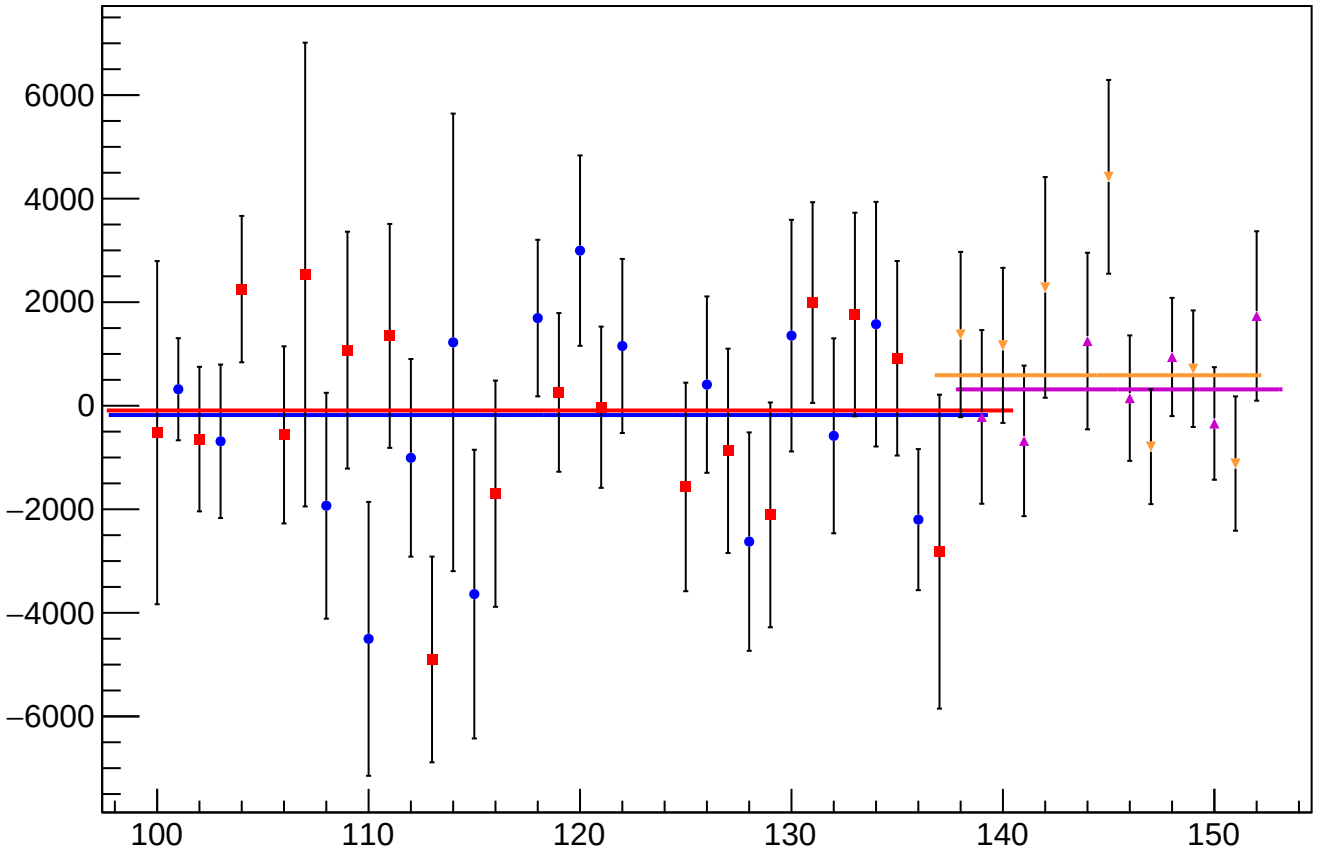
Left: 784.194+/-0.163 χ^2/NDF: 3404.6/13

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

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

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

All: 784.116+/-0.108 χ^2/NDF: 23198.2/47



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: 315.634+/-510.276 χ^2/NDF:2.3/6

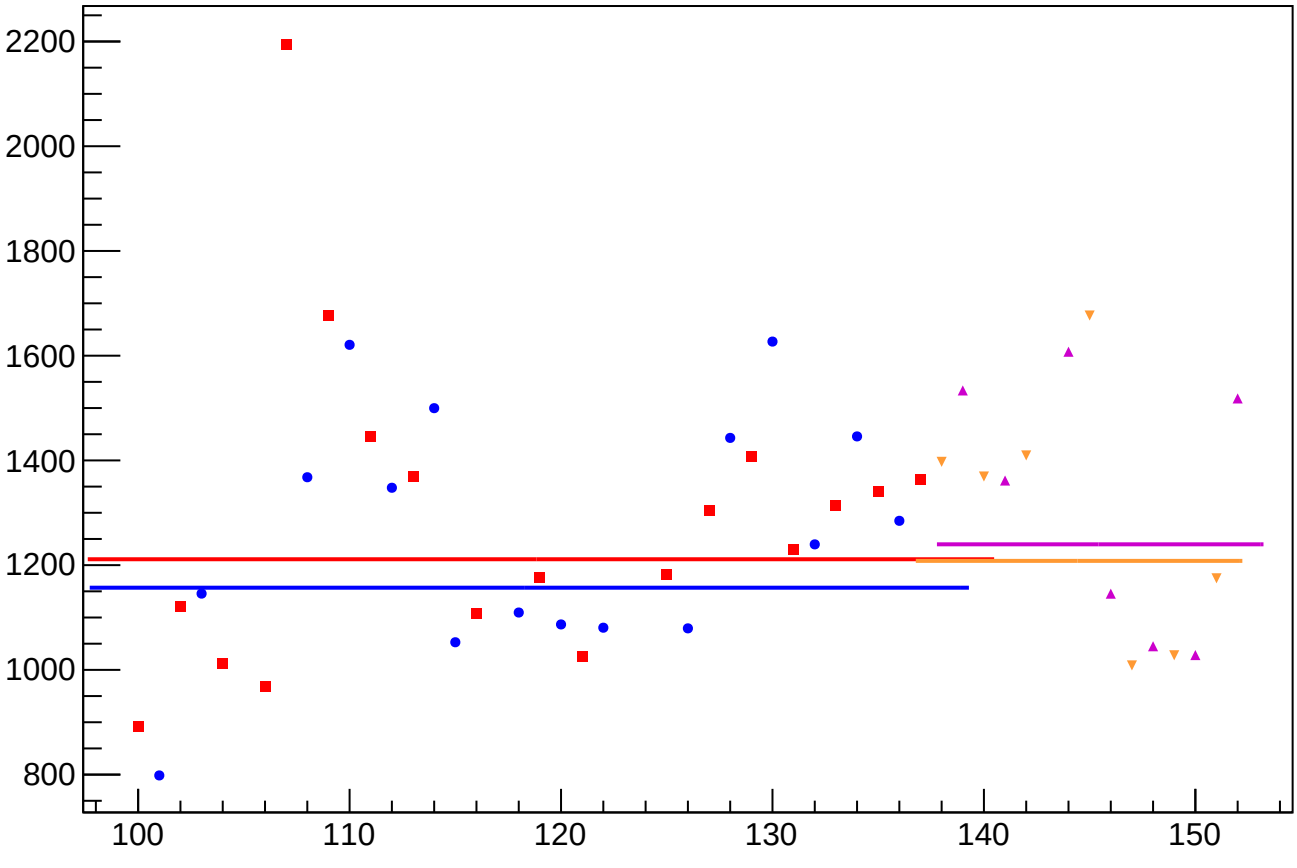
Left: 446.701+/-368.103 χ^2/NDF: 11.0/13

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

In: 31.828+/-333.561 χ^2/NDF:18.2/22

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

All: 111.120+/-239.996 χ^2/NDF: 43.0/47



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: 1239.780+/-0.361 χ^2/NDF:372376.8/6

Left: 1224.616+/-0.260 χ^2/NDF: 687925.7/13

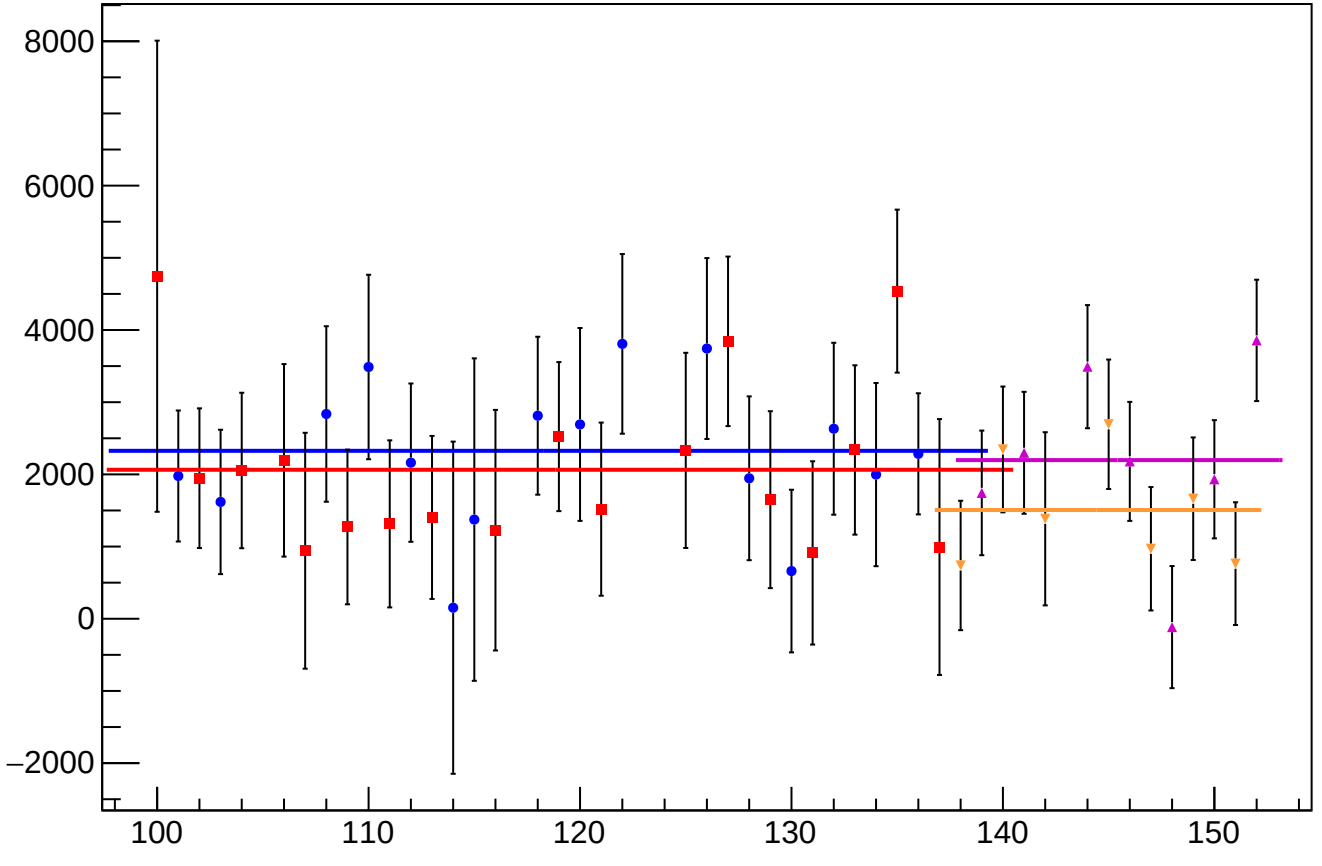
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

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

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

All: 1200.837+/-0.170 χ^2/NDF: 1683987.0/47

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: 2197.804+/-317.903 χ^2/NDF:14.1/6

Left: 1875.317+/-232.271 χ^2/NDF: 20.9/13

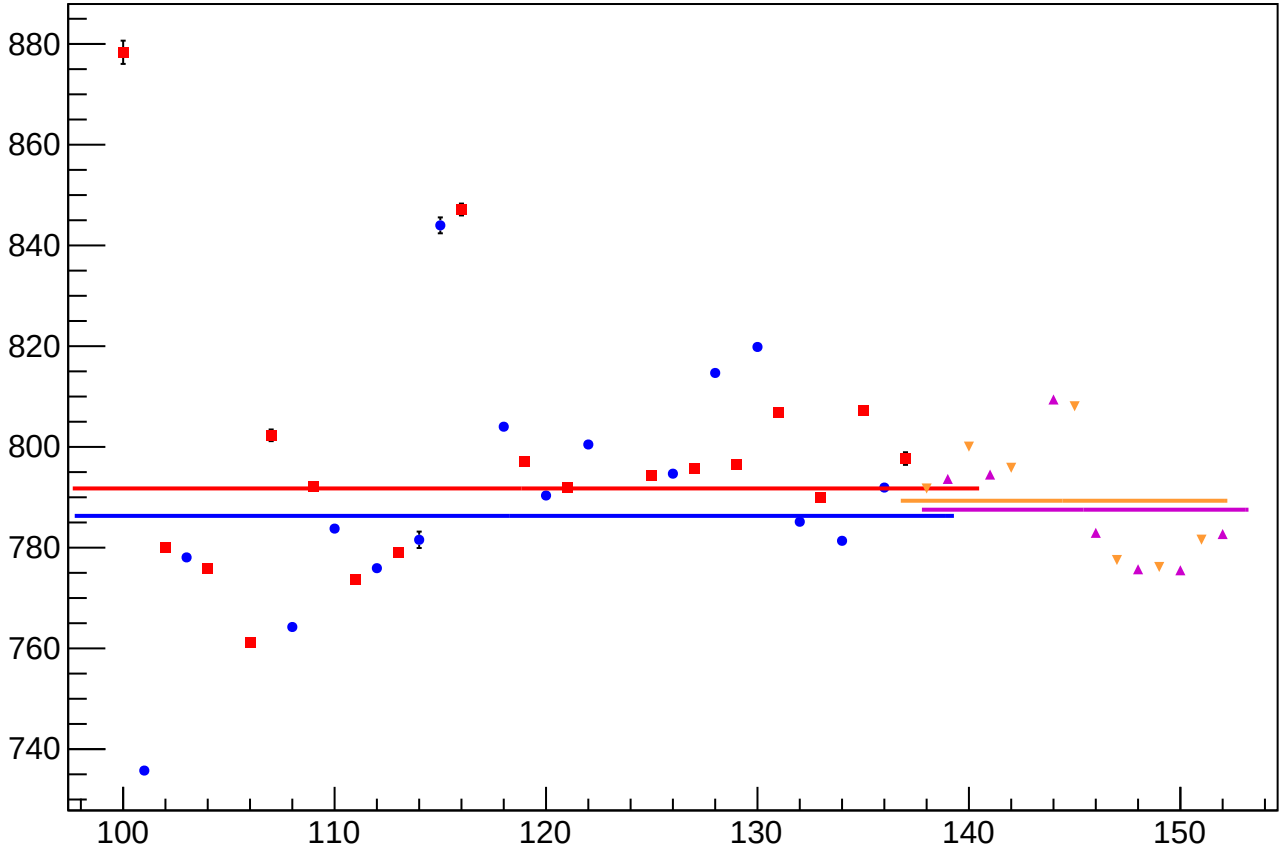
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

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

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

All: 2053.915+/-154.312 χ^2/NDF: 42.1/47

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: 787.536+/-0.225 χ^2/NDF:2503.3/6

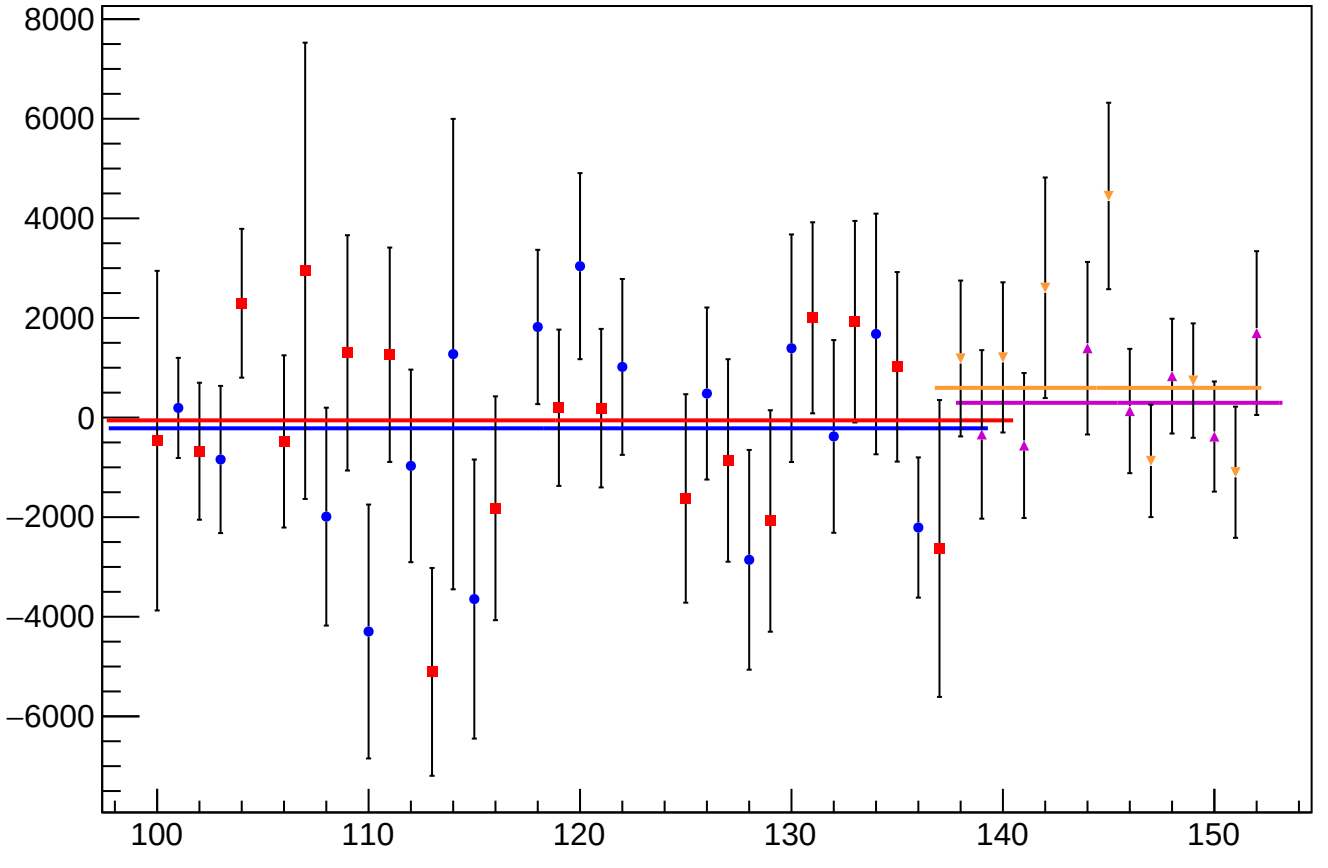
Left: 788.365+/-0.164 χ^2/NDF: 4809.8/13

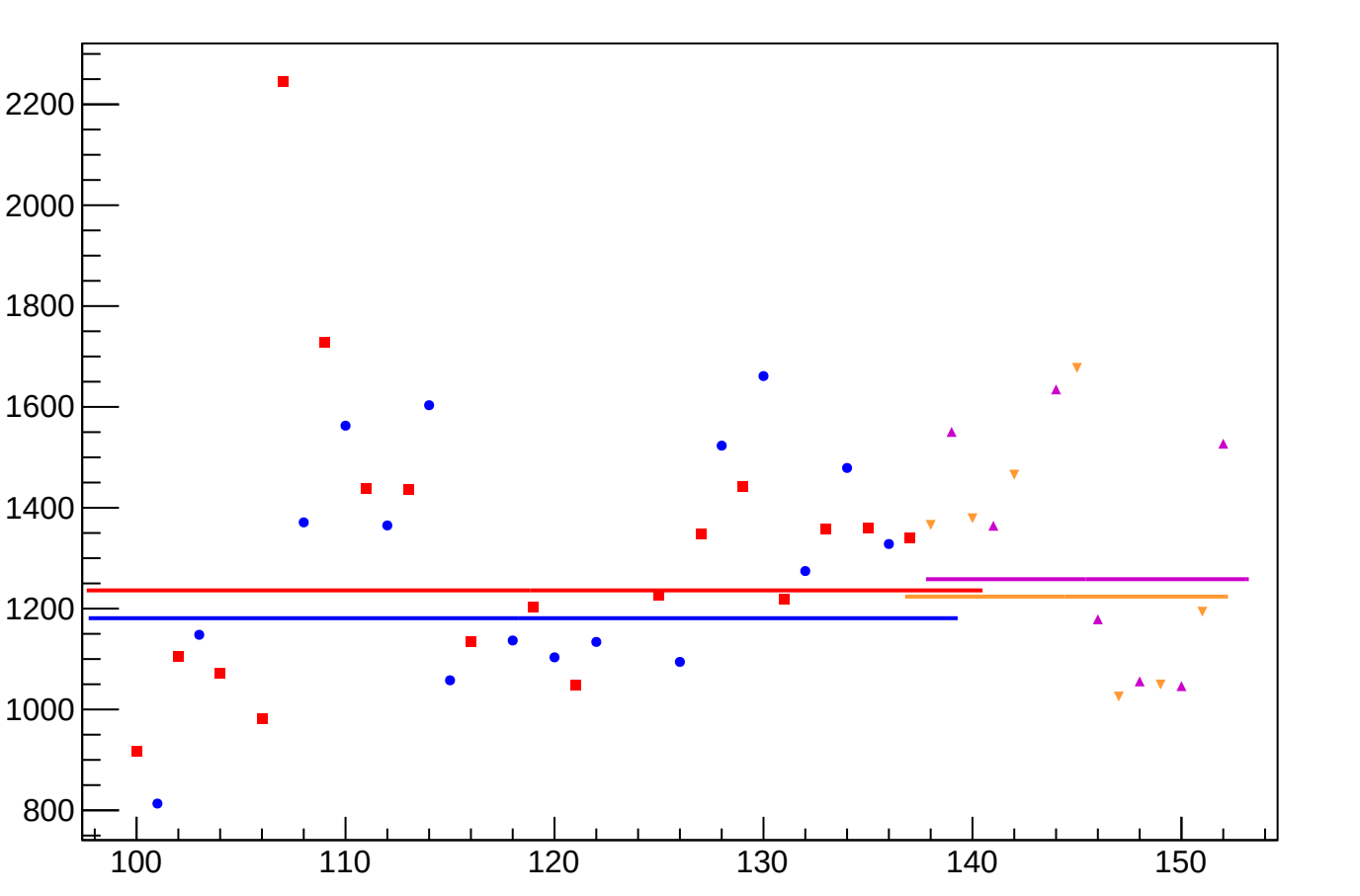
Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

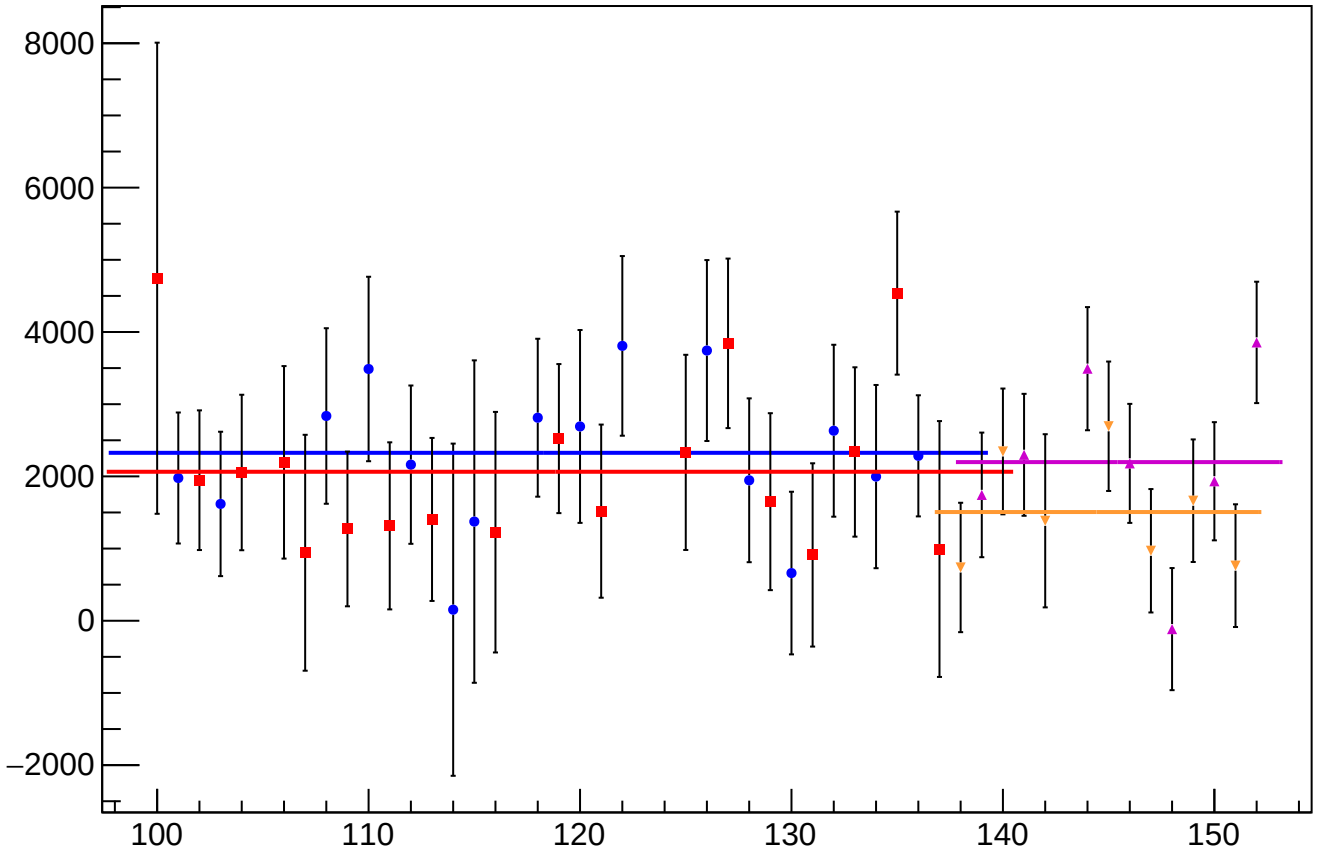
In: 786.871+/-0.152 χ^2/NDF:15090.5/22

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

All: 788.740+/-0.109 χ^2/NDF: 24753.3/47


asym_us_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -216.184+/-449.537 χ²/NDF: 15.3/15
Left Out: 596.407+/-537.839 χ²/NDF:8.7/6
Right Out: -56.784+/-463.978 χ²/NDF: 15.1/17
Left In: 296.085+/-517.379 χ²/NDF:2.2/6
Left: 440.425+/-372.866 χ²/NDF: 11.1/13
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: 4.184+/-339.339 χ²/NDF:18.1/22
Out: 221.914+/-351.317 χ²/NDF:24.7/24
All: 109.274+/-244.074 χ²/NDF: 43.0/47


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: 1258.354+/-0.366 χ²/NDF:361335.9/6
Left: 1241.741+/-0.264 χ²/NDF: 653358.2/13
Right: 1207.695+/-0.228 χ²/NDF: 982917.9/33
In: 1214.275+/-0.240 χ²/NDF:957920.1/22
Out: 1230.867+/-0.248 χ²/NDF:685578.3/24
All: 1222.283+/-0.173 χ²/NDF: 1645806.2/47



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: 2197.805+/-317.903 χ^2/NDF:14.1/6

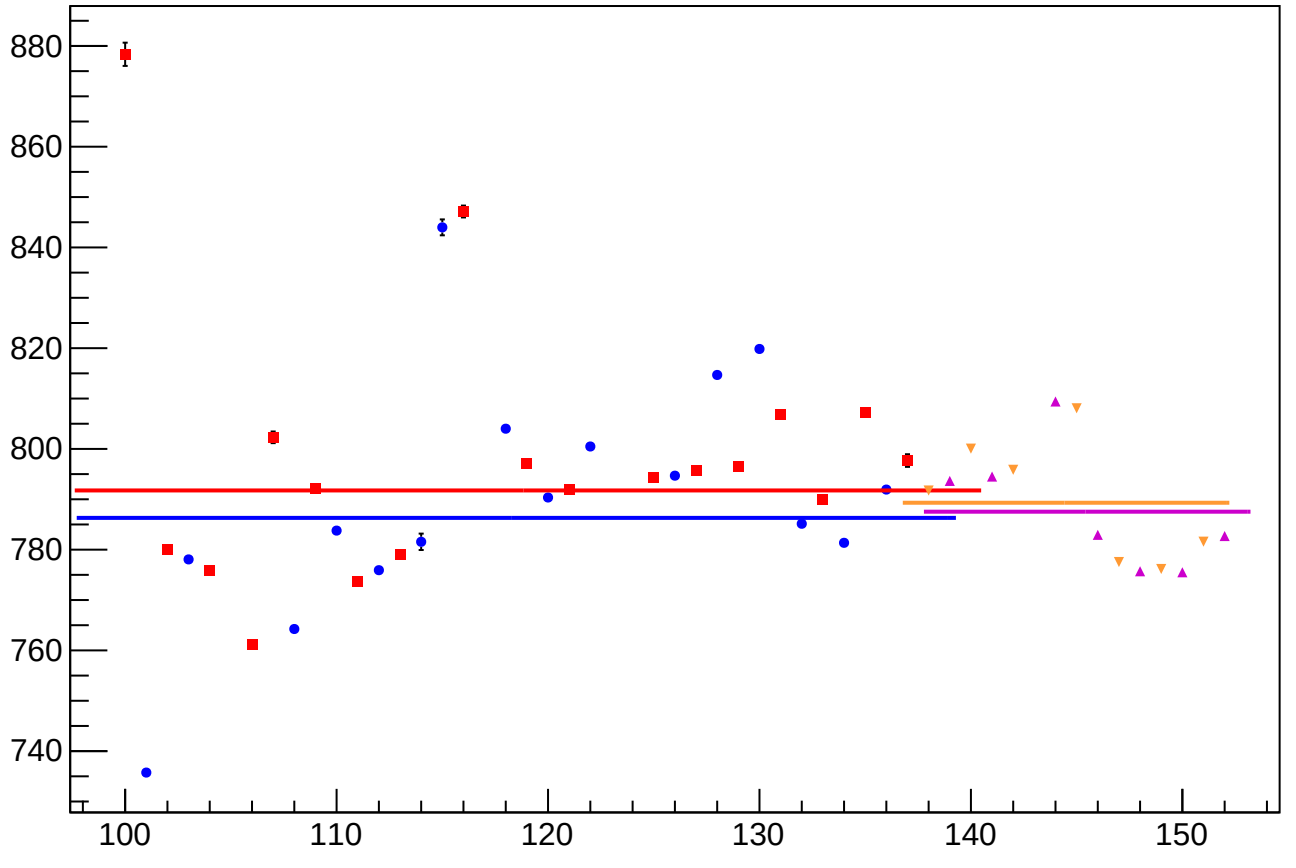
Left: 1875.317+/-232.271 χ^2/NDF: 20.9/13

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

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

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

All: 2053.915+/-154.312 χ^2/NDF: 42.1/47



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: 787.536+/-0.225 χ^2/NDF:2503.3/6

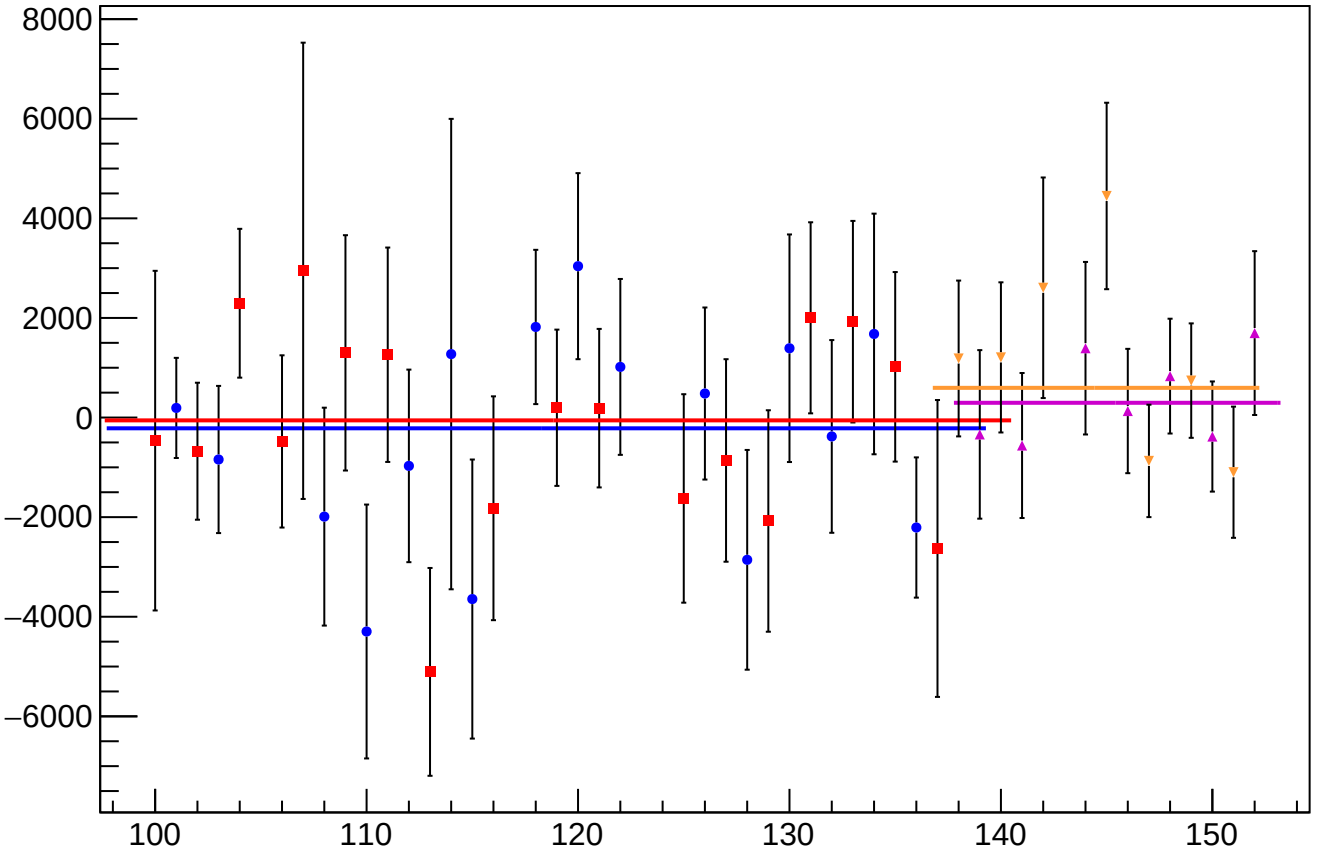
Left: 788.365+/-0.164 χ^2/NDF: 4809.8/13

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

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

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

All: 788.740+/-0.109 χ^2/NDF: 24753.2/47



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: 296.087+/-517.380 χ^2/NDF:2.2/6

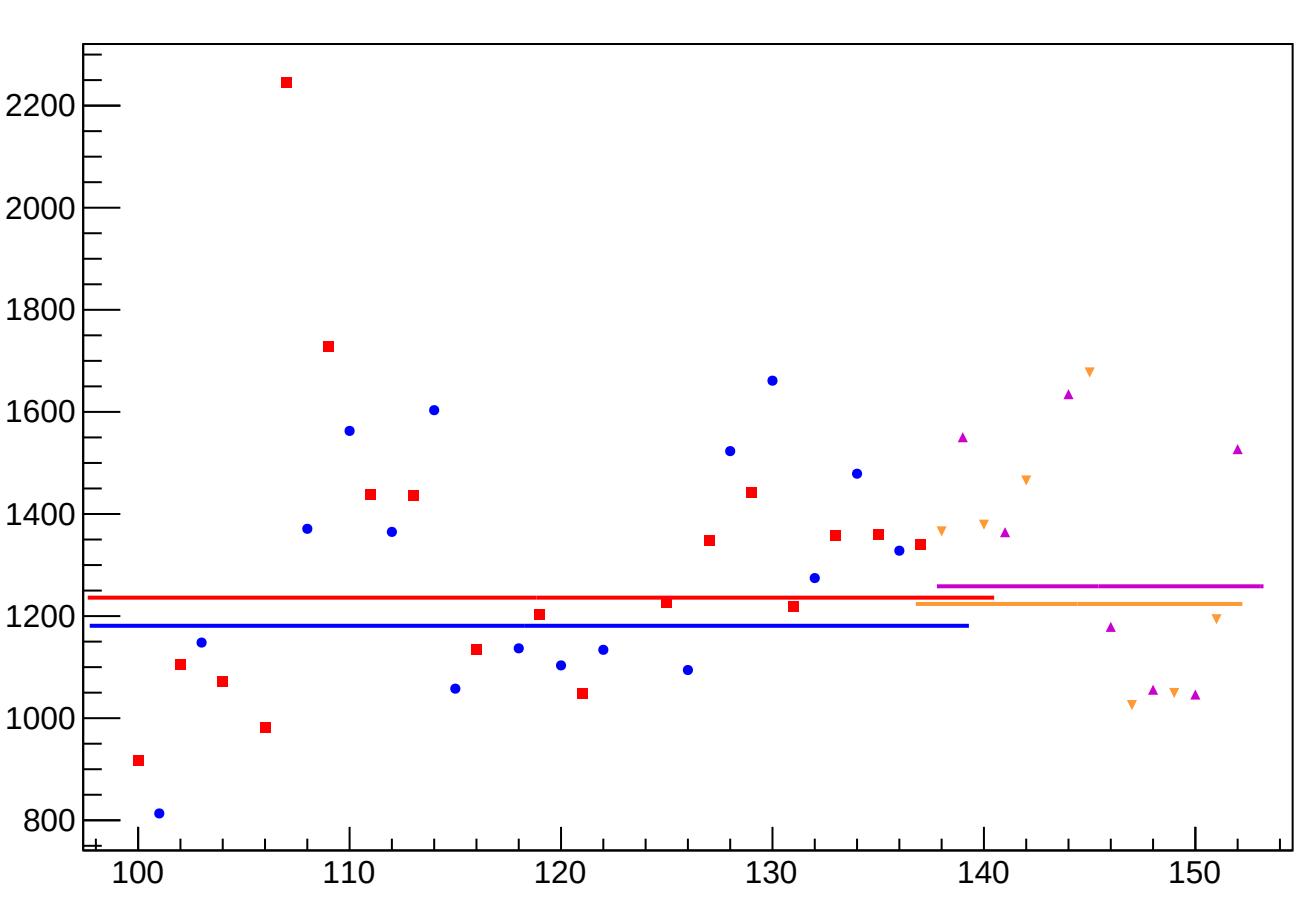
Left: 440.424+/-372.866 χ^2/NDF: 11.1/13

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

In: 4.184+/-339.339 χ^2/NDF:18.1/22

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

All: 109.273+/-244.074 χ^2/NDF: 43.0/47



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

Left Out: 1223.791+/-0.380 χ^2/NDF:287733.3/6

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

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

Left: 1241.743+/-0.264 χ^2/NDF: 653360.1/13

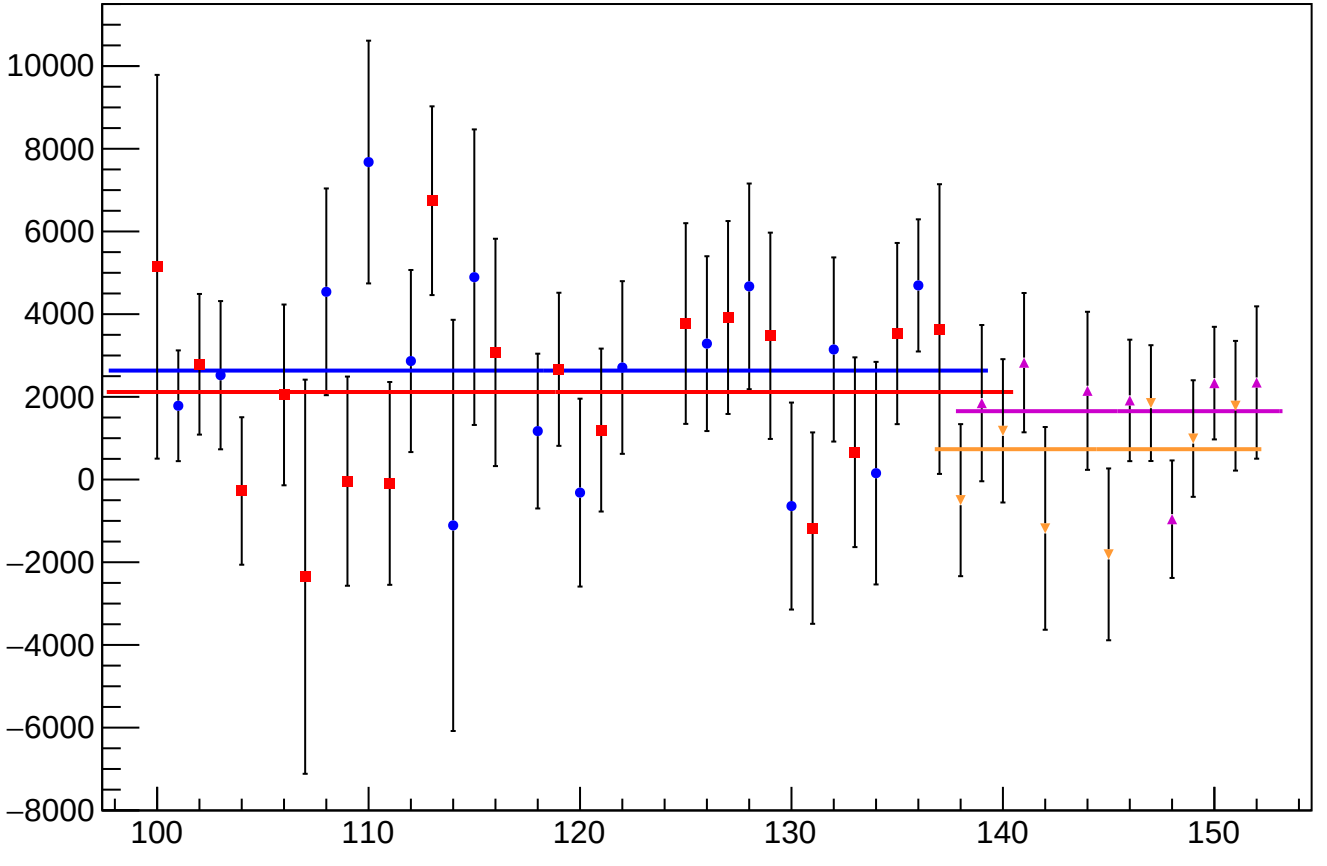
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

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

Out: 1230.866+/-0.248 χ^2/NDF:685577.6/24

All: 1222.282+/-0.173 χ^2/NDF: 1645807.3/47

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: 1653.489+/-608.702 χ^2/NDF:4.4/6

Left: 1216.414+/-440.872 χ^2/NDF: 9.2/13

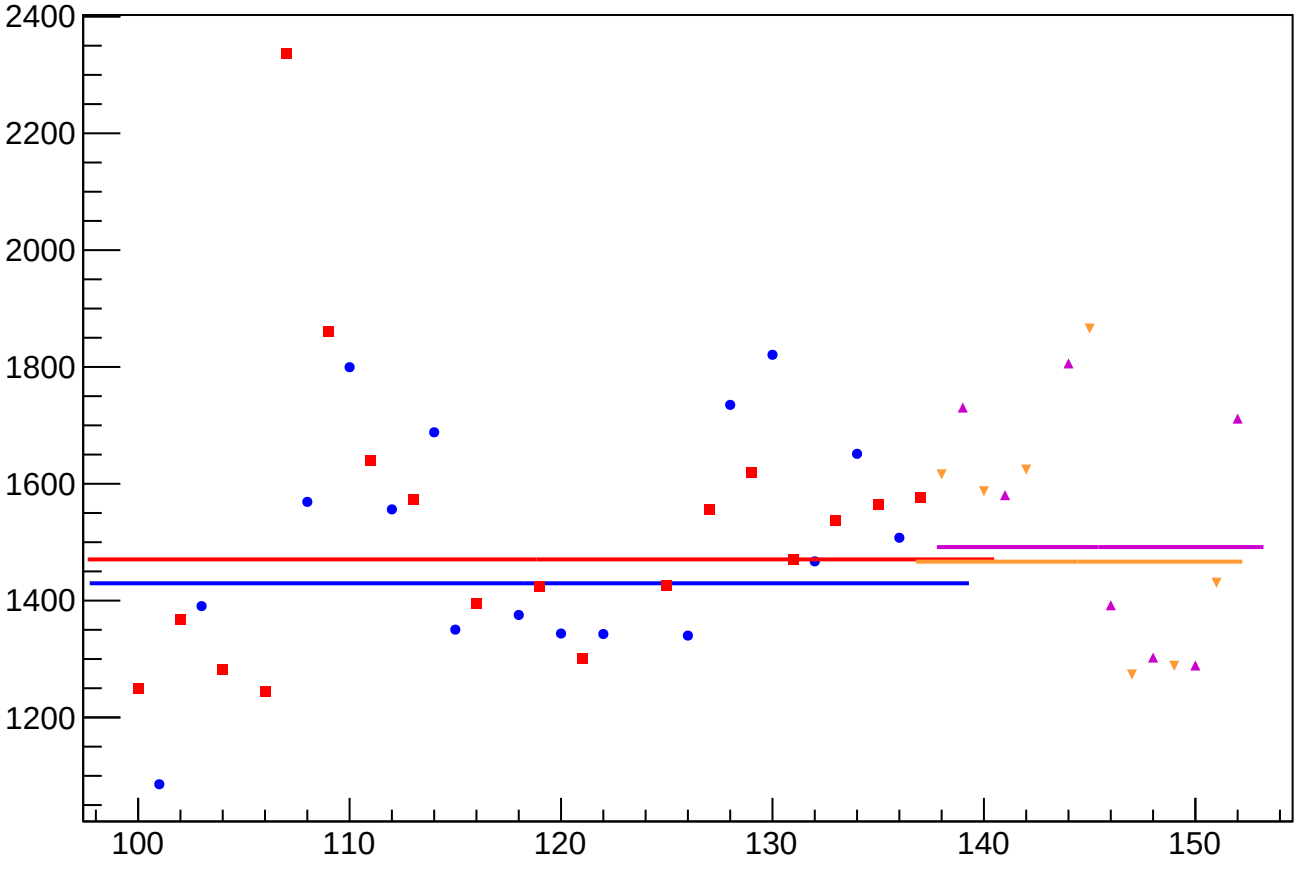
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

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

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

All: 1878.882+/-289.453 χ^2/NDF: 39.6/47

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: 1491.649+/-0.430 χ^2/NDF:209126.1/6

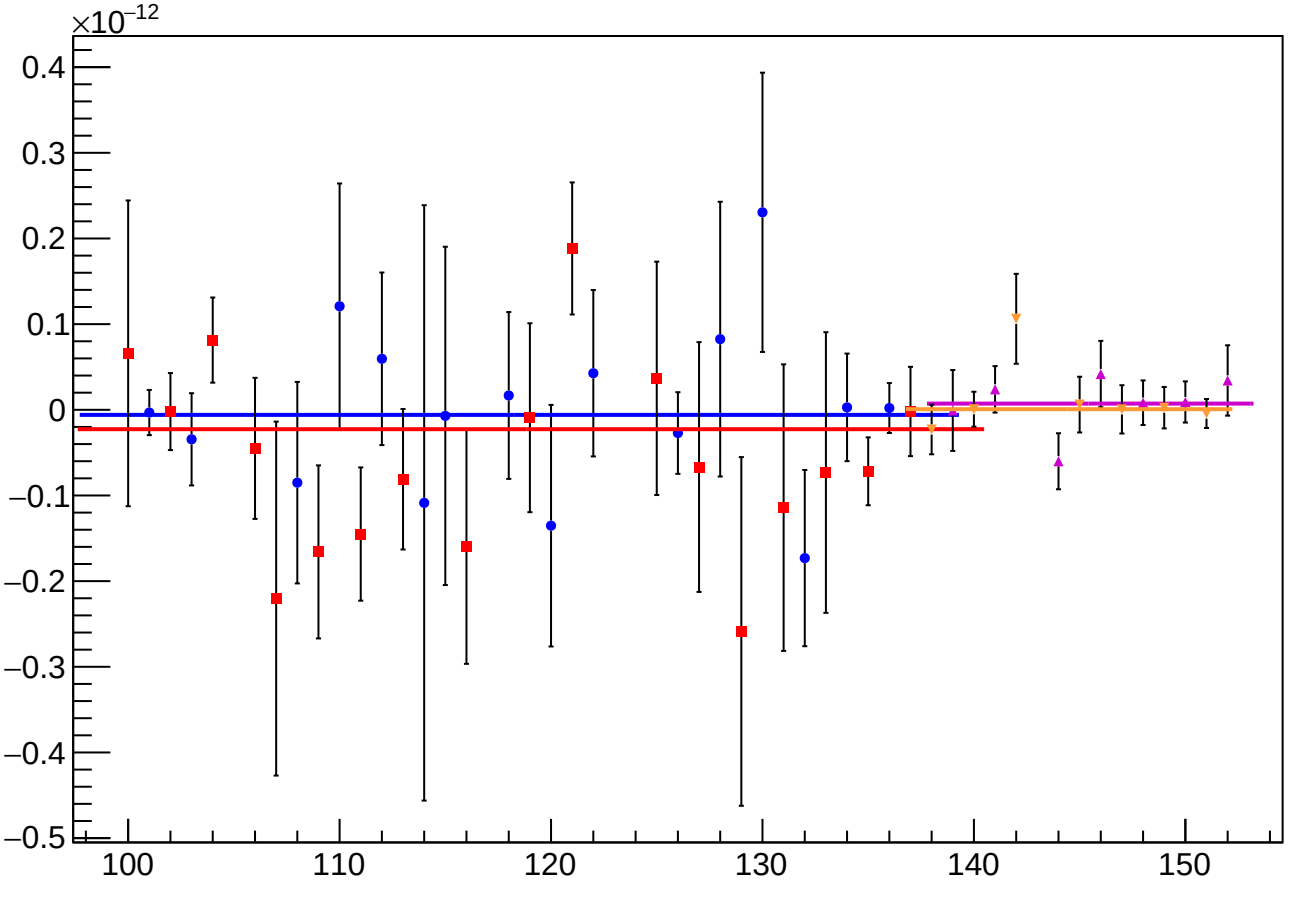
Left: 1479.797+/-0.312 χ^2/NDF: 386625.4/13

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

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

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

All: 1462.704+/-0.205 χ^2/NDF: 909046.7/47



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:5.9/6

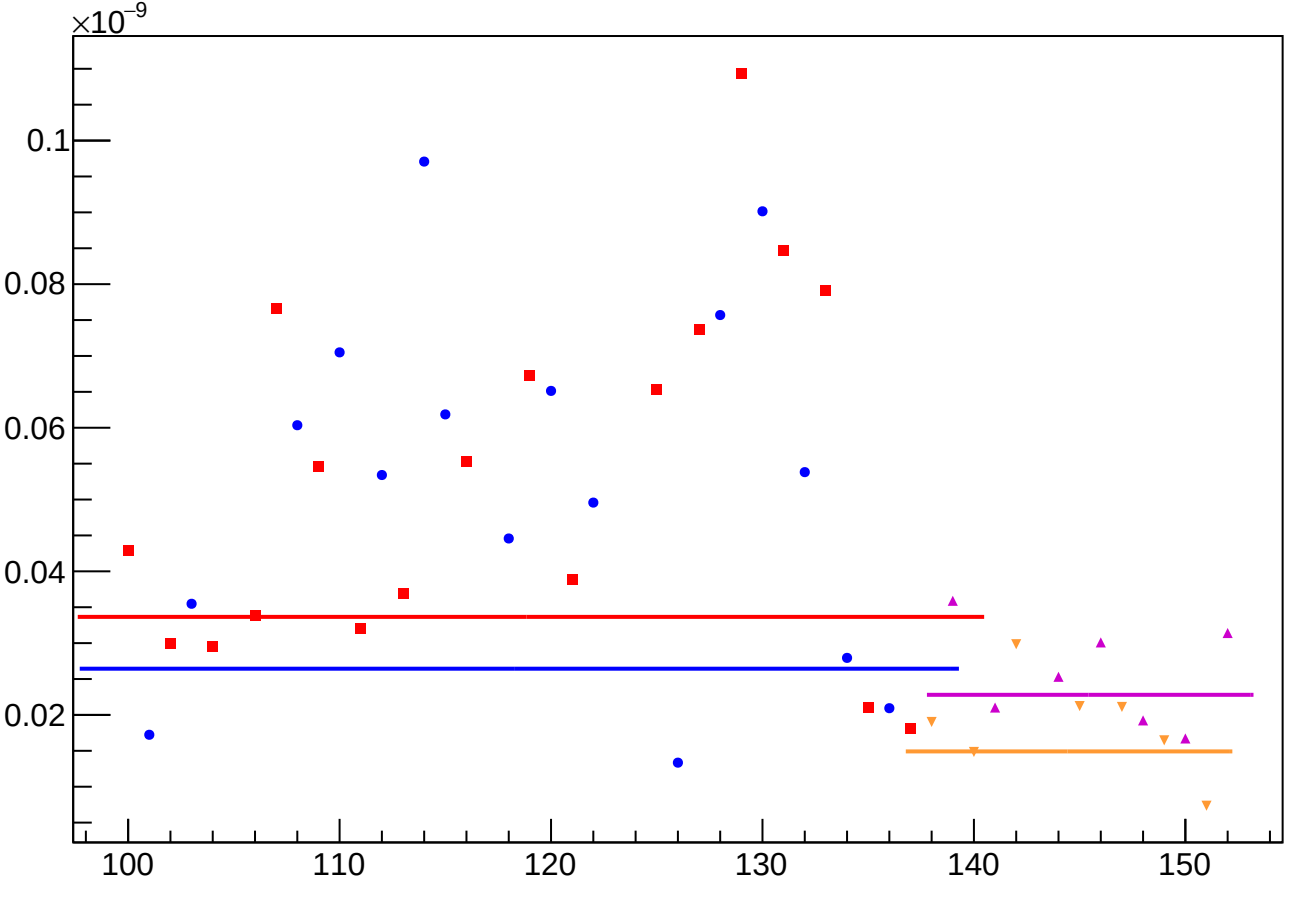
Left: 0.000+/-0.000 χ^2/NDF: 10.9/13

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

In: 0.000+/-0.000 χ^2/NDF:14.9/22

Out: -0.000+/-0.000 χ^2/NDF:29.2/24

All: -0.000+/-0.000 χ^2/NDF: 44.3/47



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:498755.7/6

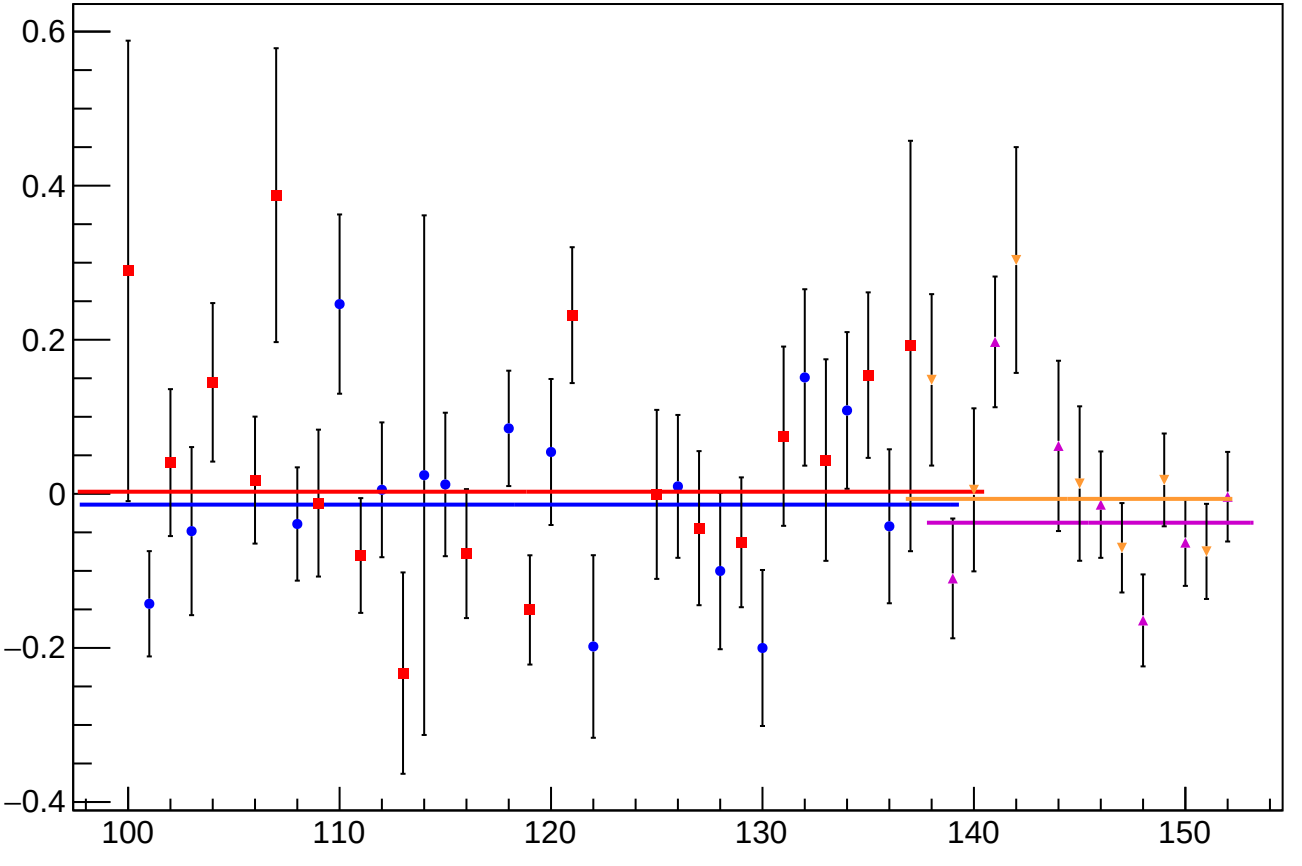
Left: 0.000+/-0.000 χ^2/NDF: 1831120.4/13

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

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

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

All: 0.000+/-0.000 χ^2/NDF: 7244062.7/47



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: -0.037+/-0.026 χ^2/NDF:14.5/6

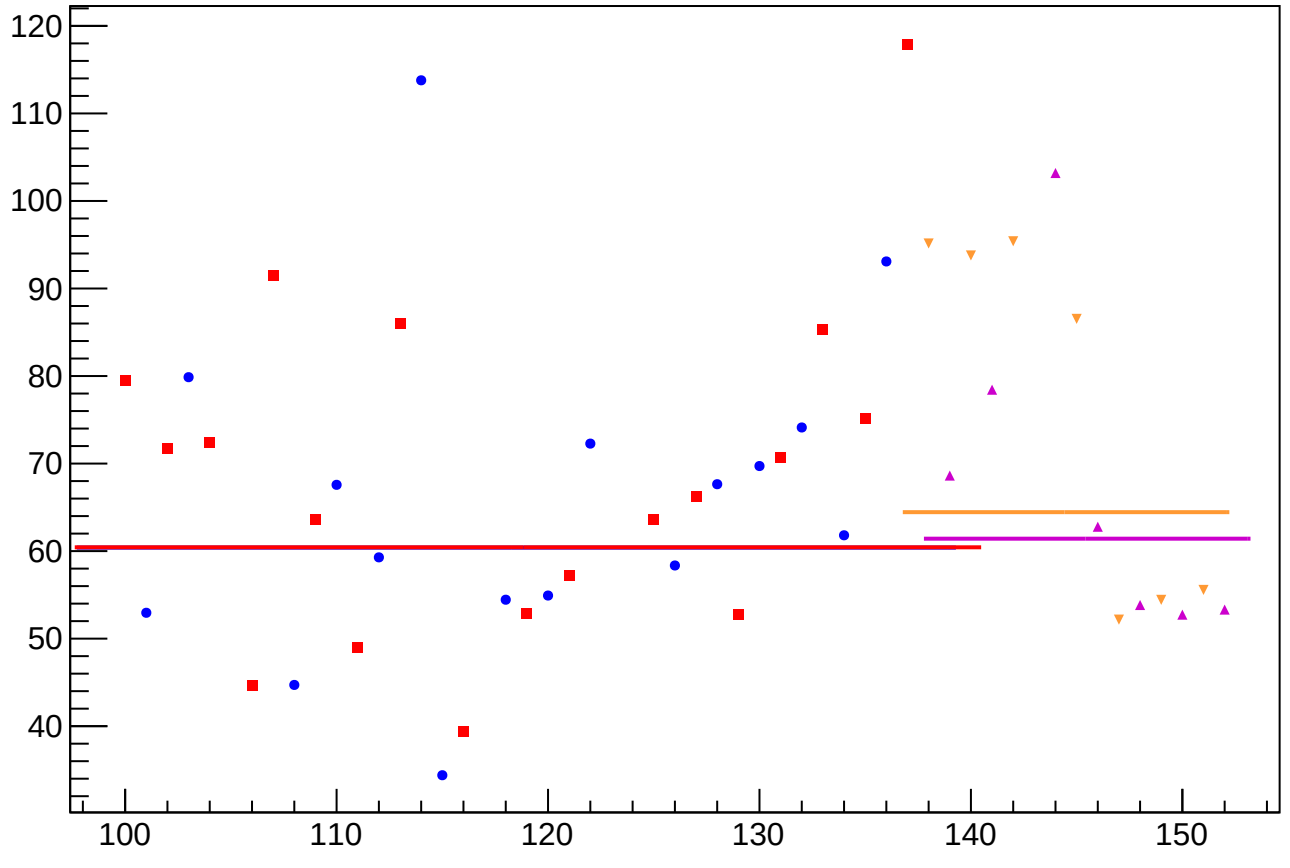
Left: -0.024+/-0.019 χ^2/NDF: 24.2/13

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

In: -0.025+/-0.018 χ^2/NDF:36.3/22

Out: -0.001+/-0.019 χ^2/NDF:36.9/24

All: -0.013+/-0.013 χ^2/NDF: 74.0/47



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: 61.419+/-0.018 χ^2/NDF:502888.3/6

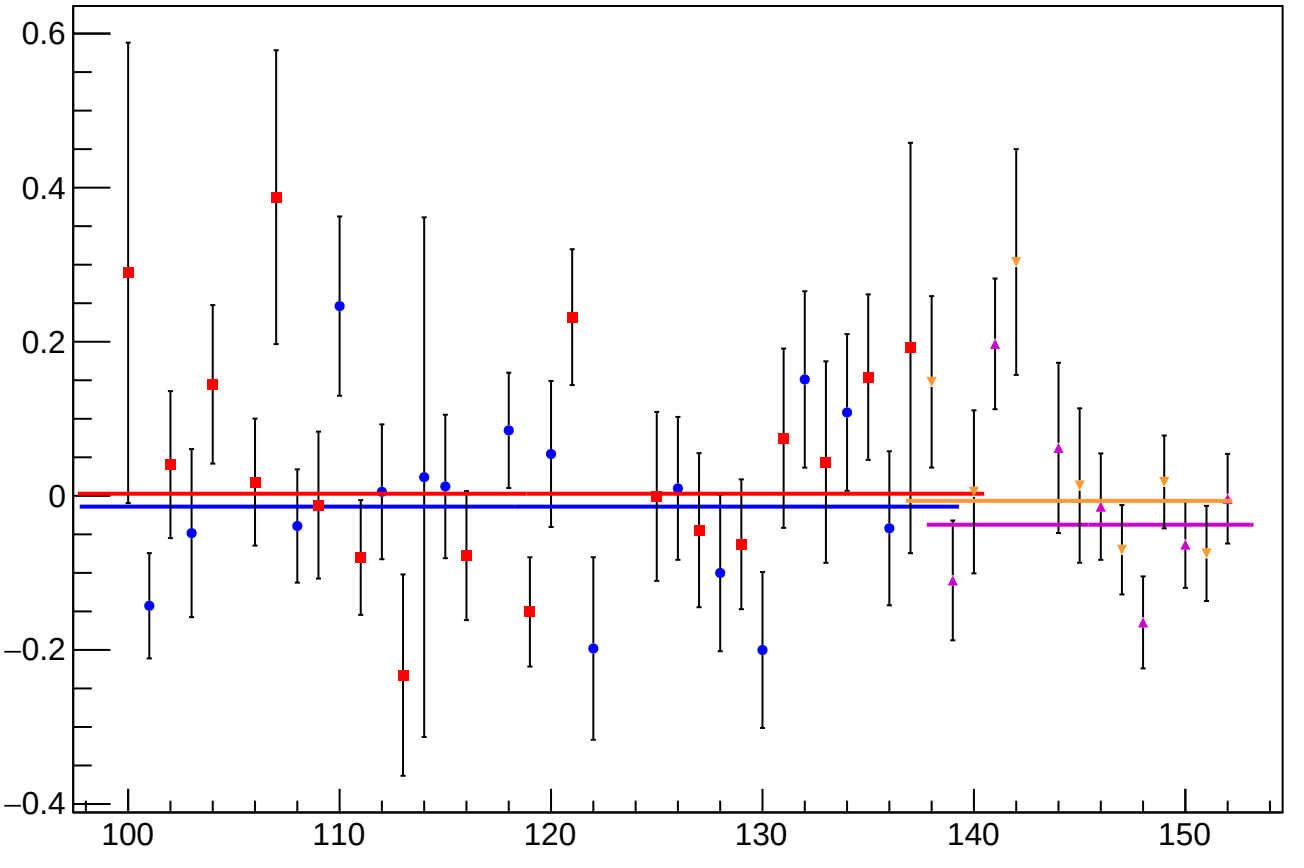
Left: 62.740+/-0.014 χ^2/NDF: 1193184.1/13

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

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

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

All: 61.412+/-0.009 χ^2/NDF: 2623728.6/47



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: -0.037+/-0.026 χ^2/NDF:14.5/6

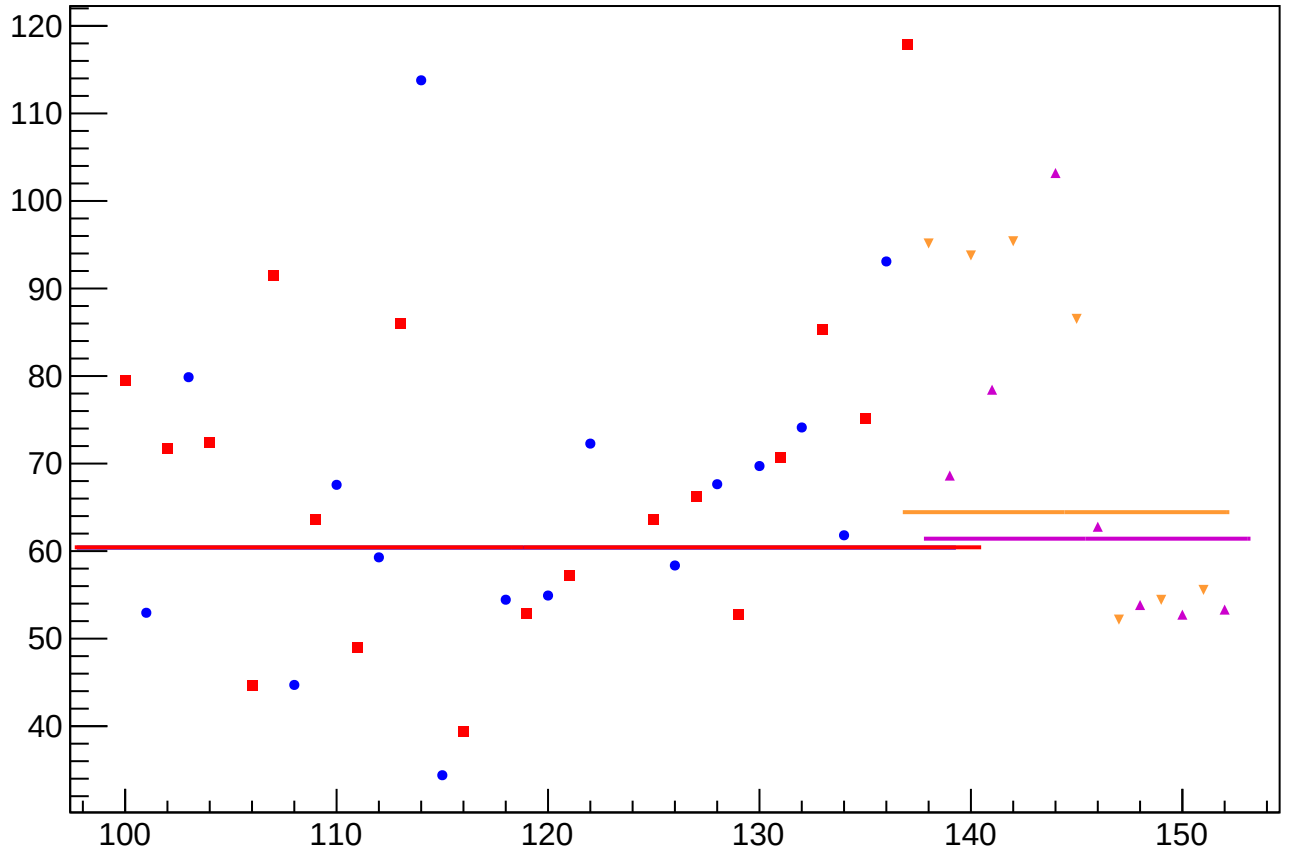
Left: -0.024+/-0.019 χ^2/NDF: 24.2/13

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

In: -0.025+/-0.018 χ^2/NDF:36.3/22

Out: -0.001+/-0.019 χ^2/NDF:36.9/24

All: -0.013+/-0.013 χ^2/NDF: 74.0/47



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: 61.419+/-0.018 χ^2/NDF:502888.3/6

Left: 62.740+/-0.014 χ^2/NDF: 1193184.1/13

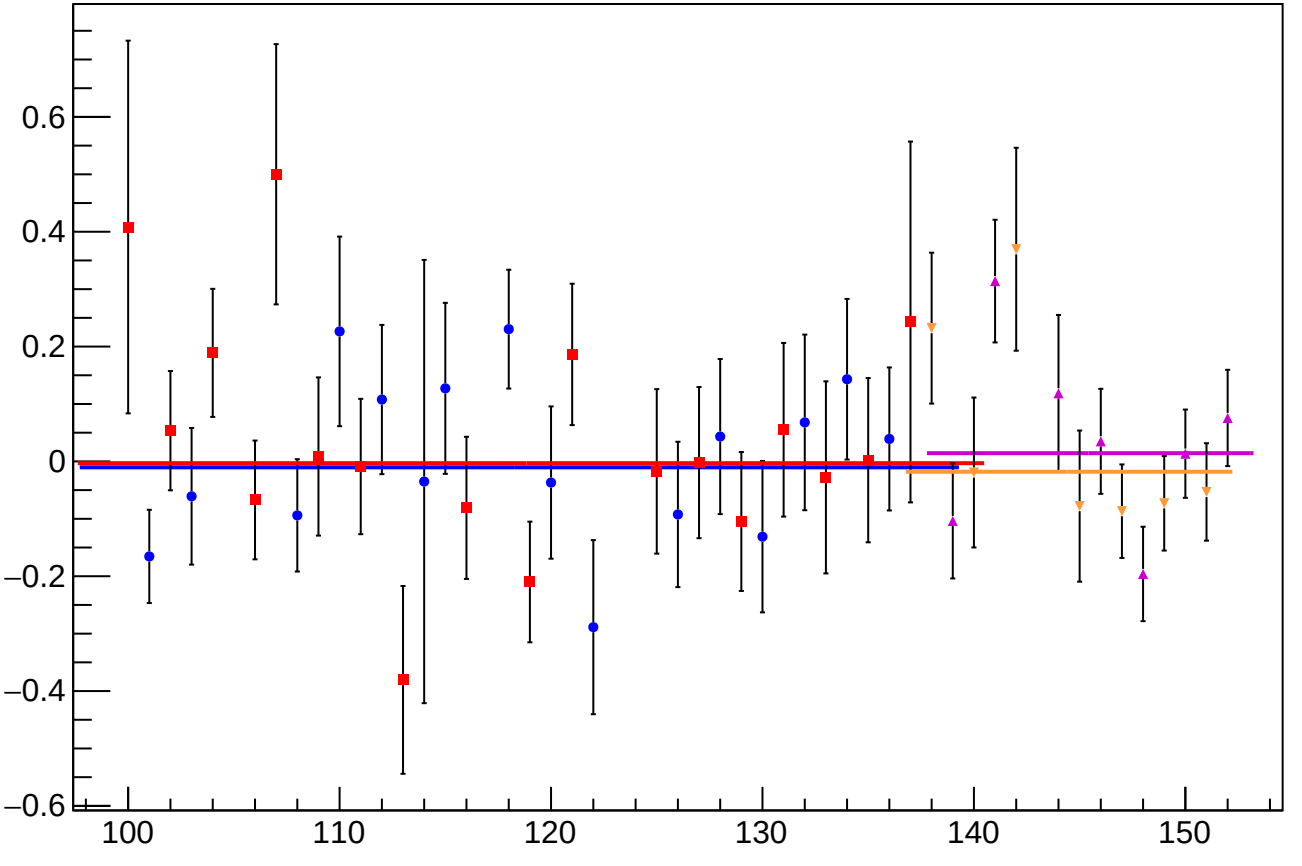
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

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

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

All: 61.412+/-0.009 χ^2/NDF: 2623728.6/47

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: 0.014+/-0.035 χ^2/NDF:17.0/6

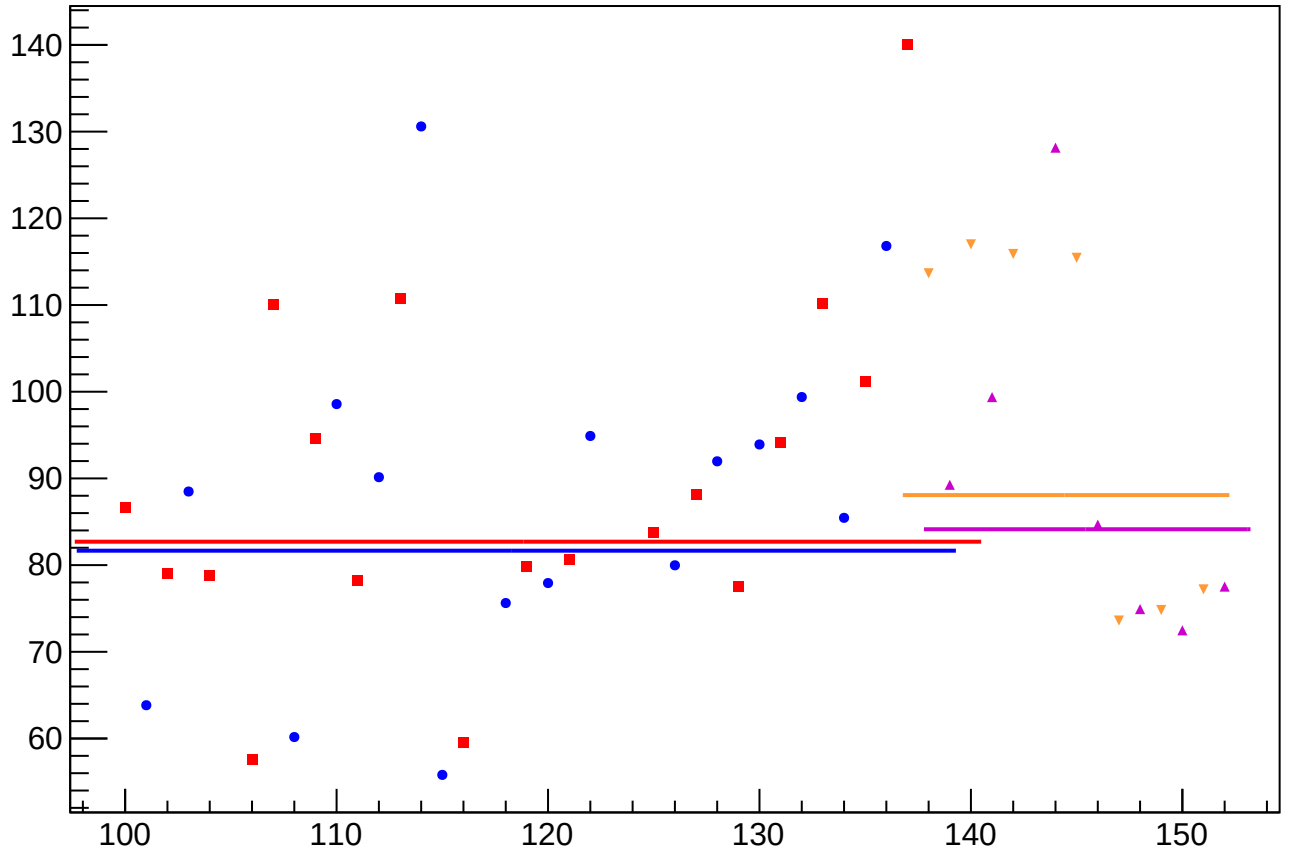
Left: 0.000+/-0.026 χ^2/NDF: 27.3/13

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

In: 0.001+/-0.023 χ^2/NDF:37.4/22

Out: -0.009+/-0.025 χ^2/NDF:33.7/24

All: -0.004+/-0.017 χ^2/NDF: 71.2/47



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: 84.136+/-0.025 χ^2/NDF:337628.8/6

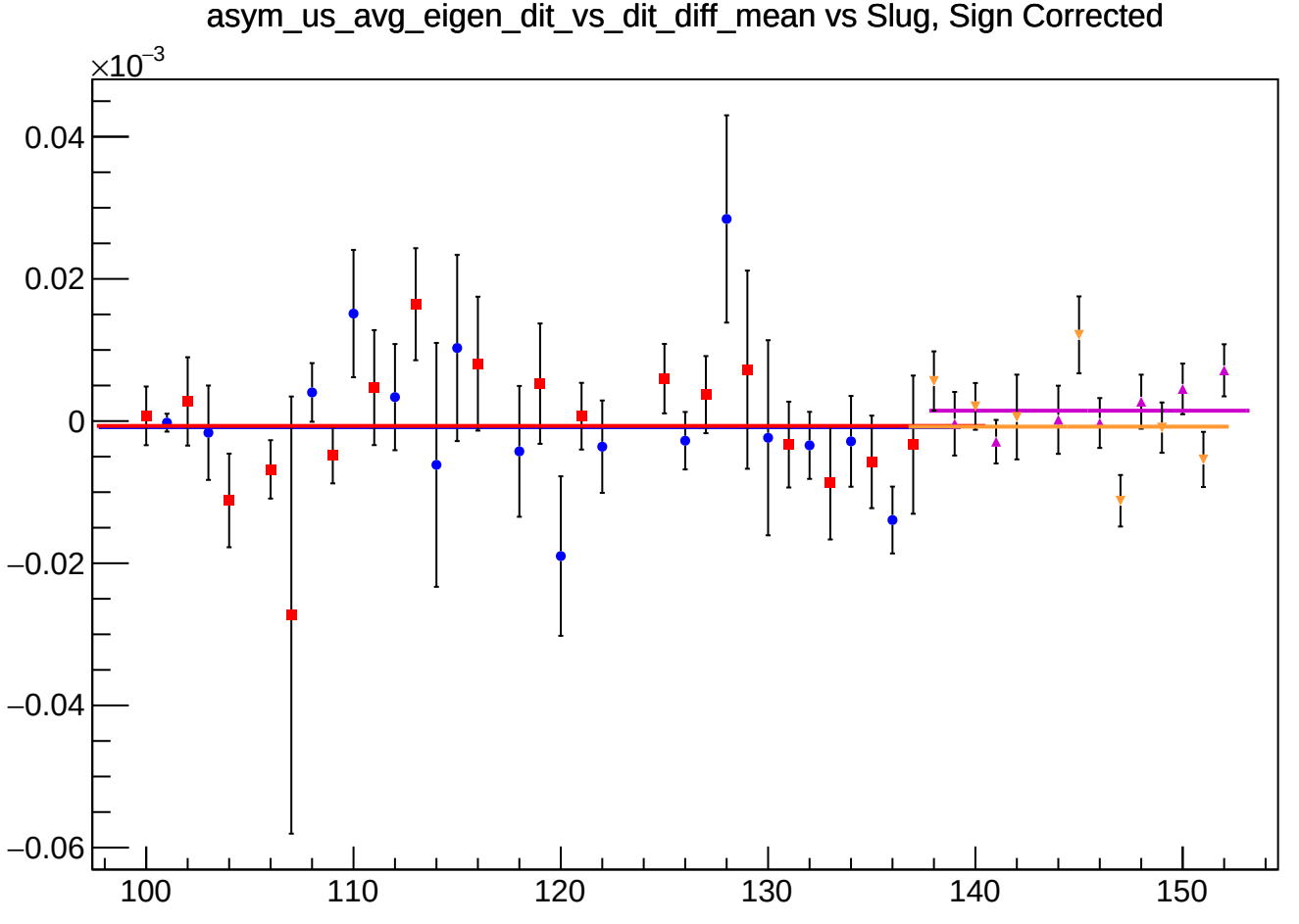
Left: 85.869+/-0.018 χ^2/NDF: 806588.2/13

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

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

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

All: 83.742+/-0.012 χ^2/NDF: 1865543.7/47



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:5.8/6

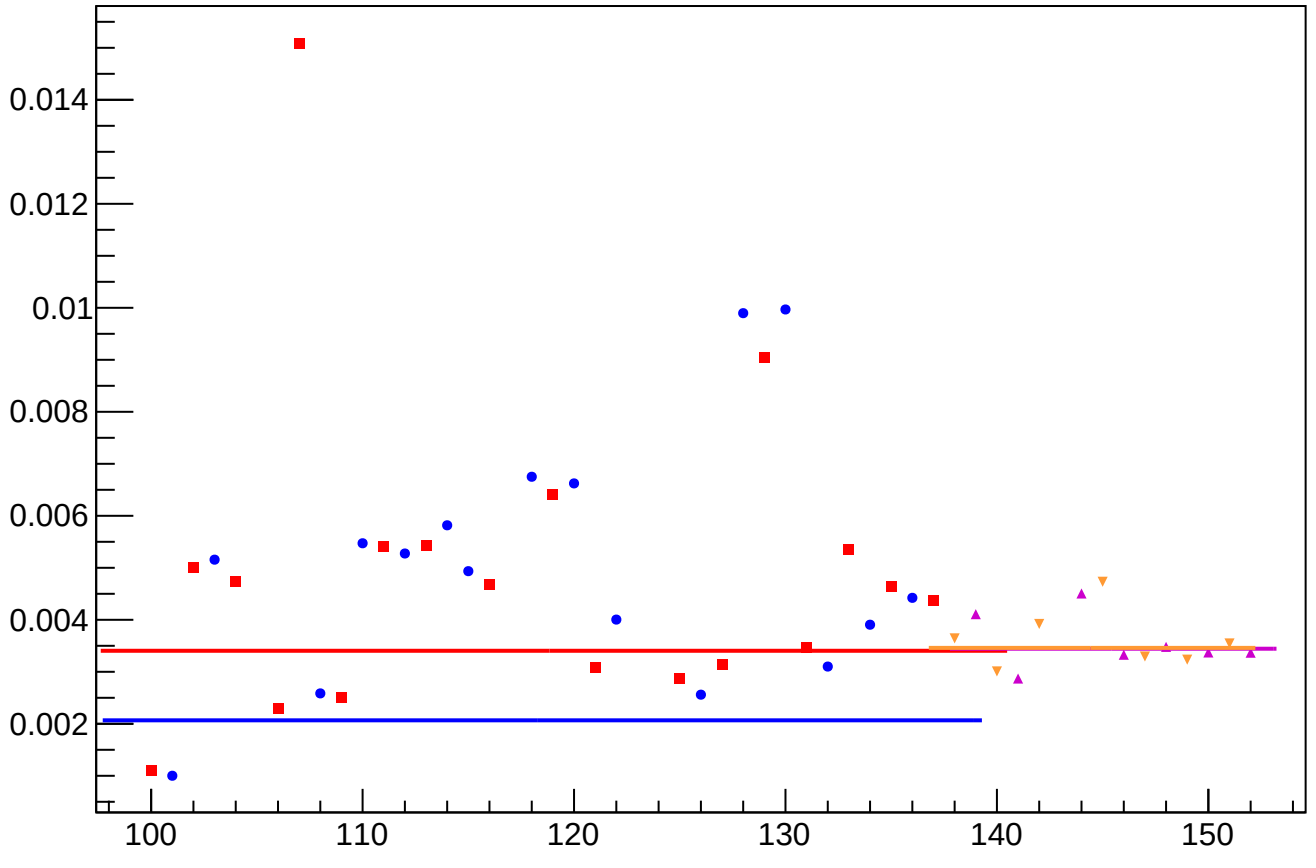
Left: 0.000+/-0.000 χ^2/NDF: 25.5/13

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

In: -0.000+/-0.000 χ^2/NDF:28.9/22

Out: -0.000+/-0.000 χ^2/NDF:36.9/24

All: -0.000+/-0.000 χ^2/NDF: 66.0/47



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:216593.0/6

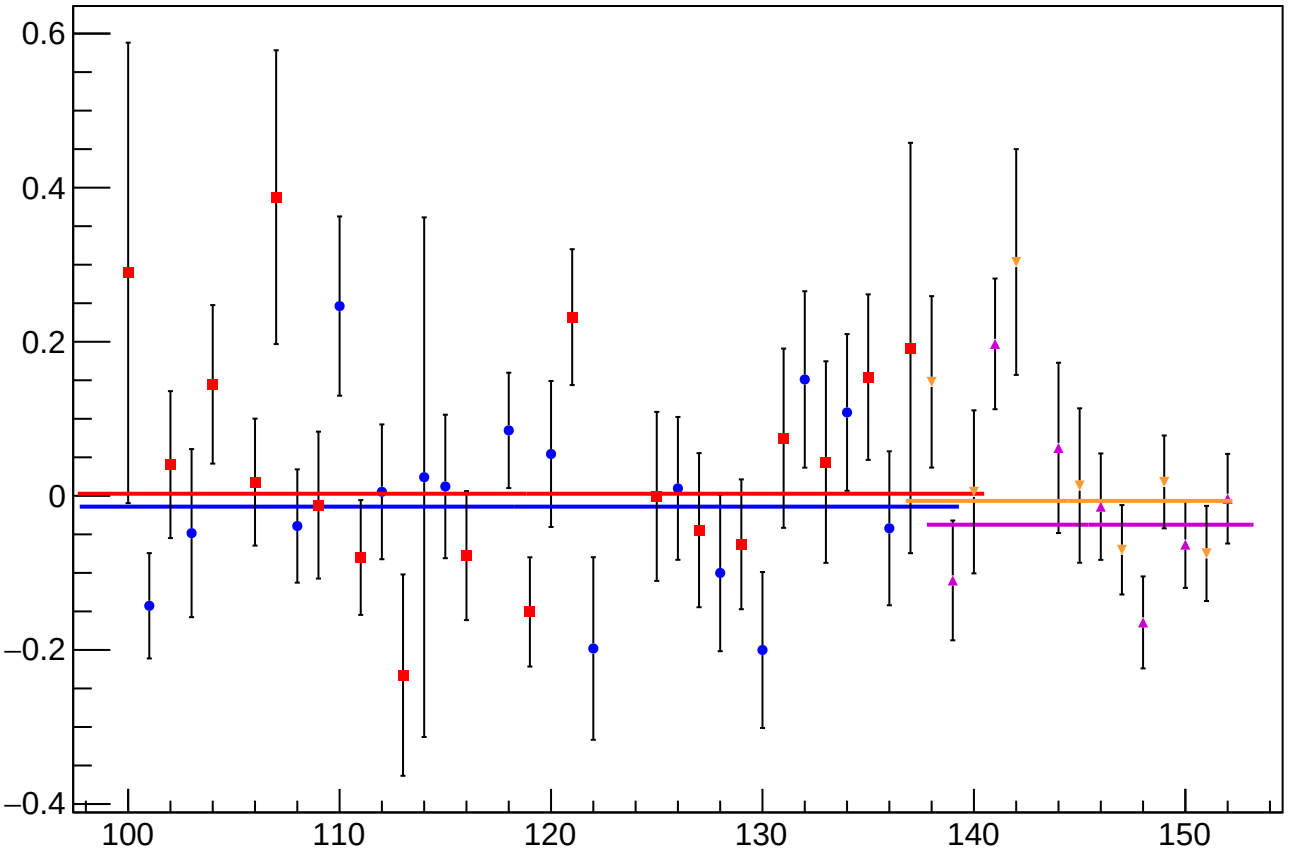
Left: 0.003+/-0.000 χ^2/NDF: 394114.2/13

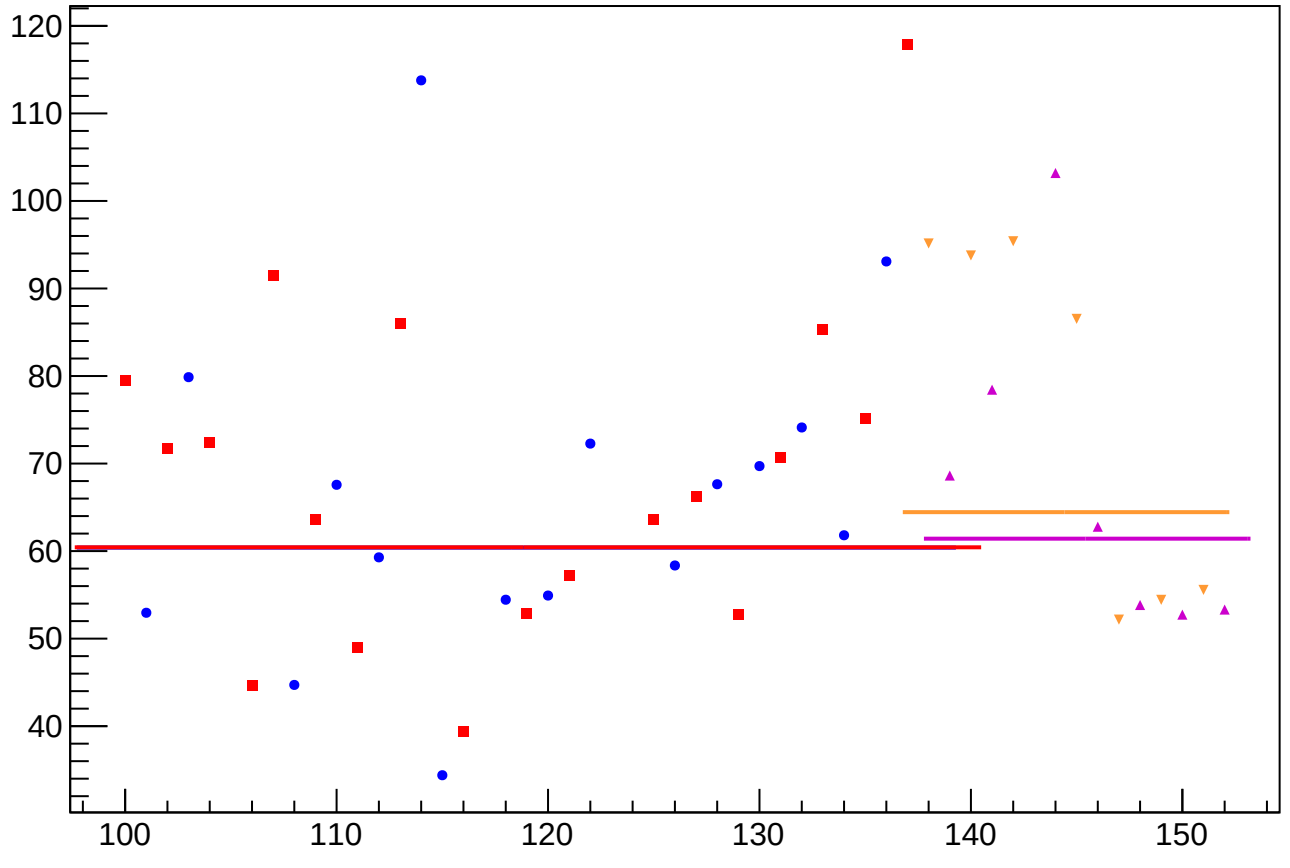
Right: 0.003+/-0.000 χ^2/NDF: 9479134.4/33

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

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

All: 0.003+/-0.000 χ^2/NDF: 10883010.4/47


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.007+/-0.029 χ²/NDF:9.0/6
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.037+/-0.026 χ²/NDF:14.5/6
Left: -0.024+/-0.019 χ²/NDF: 24.2/13
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.025+/-0.018 χ²/NDF:36.3/22
Out: -0.001+/-0.019 χ²/NDF:36.9/24
All: -0.013+/-0.013 χ²/NDF: 74.0/47



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: 61.419+/-0.018 χ^2/NDF:502883.2/6

Left: 62.740+/-0.014 χ^2/NDF: 1193171.9/13

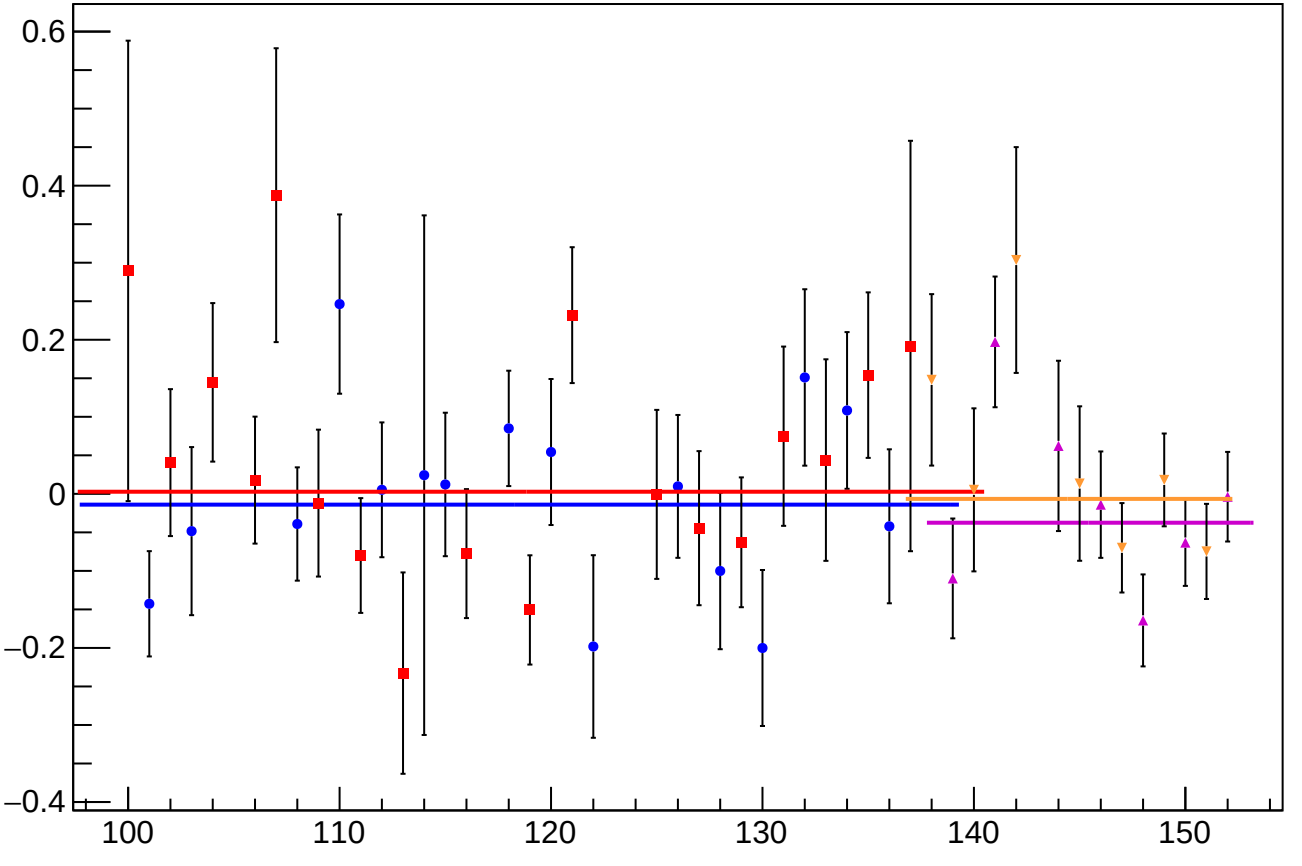
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

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

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

All: 61.411+/-0.009 χ^2/NDF: 2623783.0/47

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

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

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

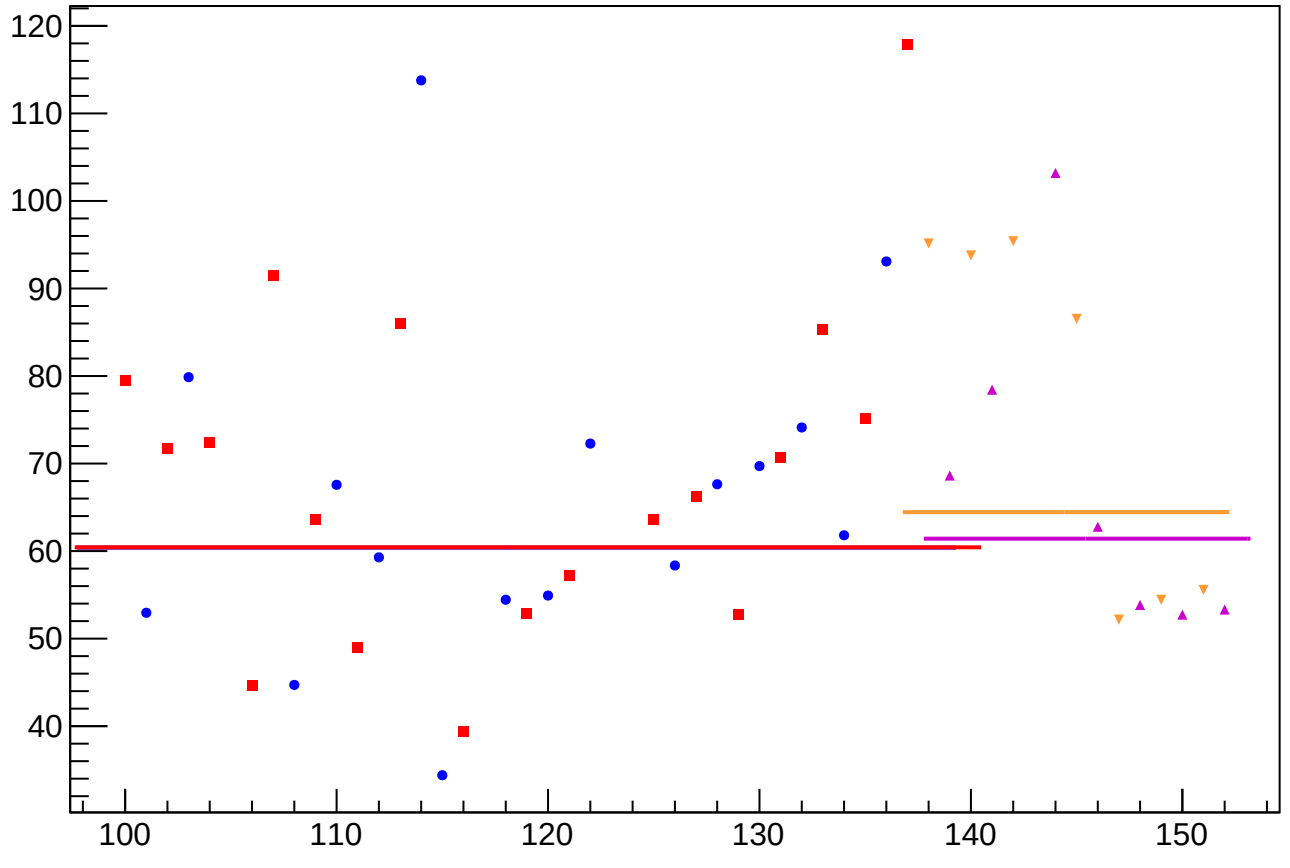
Left: -0.024+/-0.019 χ^2/NDF: 24.2/13

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

In: -0.025+/-0.018 χ^2/NDF:36.3/22

Out: -0.001+/-0.019 χ^2/NDF:36.9/24

All: -0.013+/-0.013 χ^2/NDF: 74.0/47



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: 61.419+/-0.018 χ^2/NDF:502883.2/6

Left: 62.740+/-0.014 χ^2/NDF: 1193171.9/13

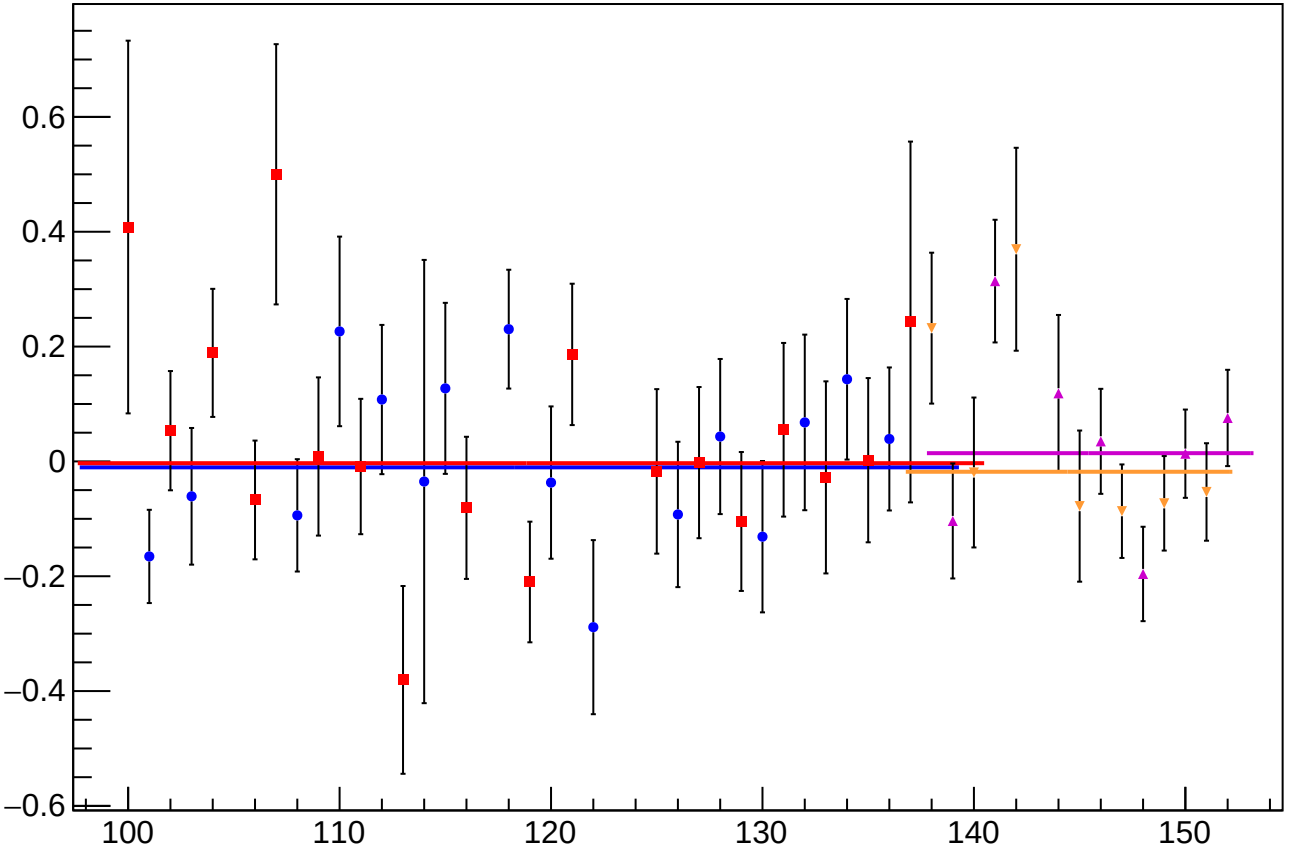
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

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

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

All: 61.411+/-0.009 χ^2/NDF: 2623783.0/47

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: 0.014+/-0.035 χ^2/NDF:17.0/6

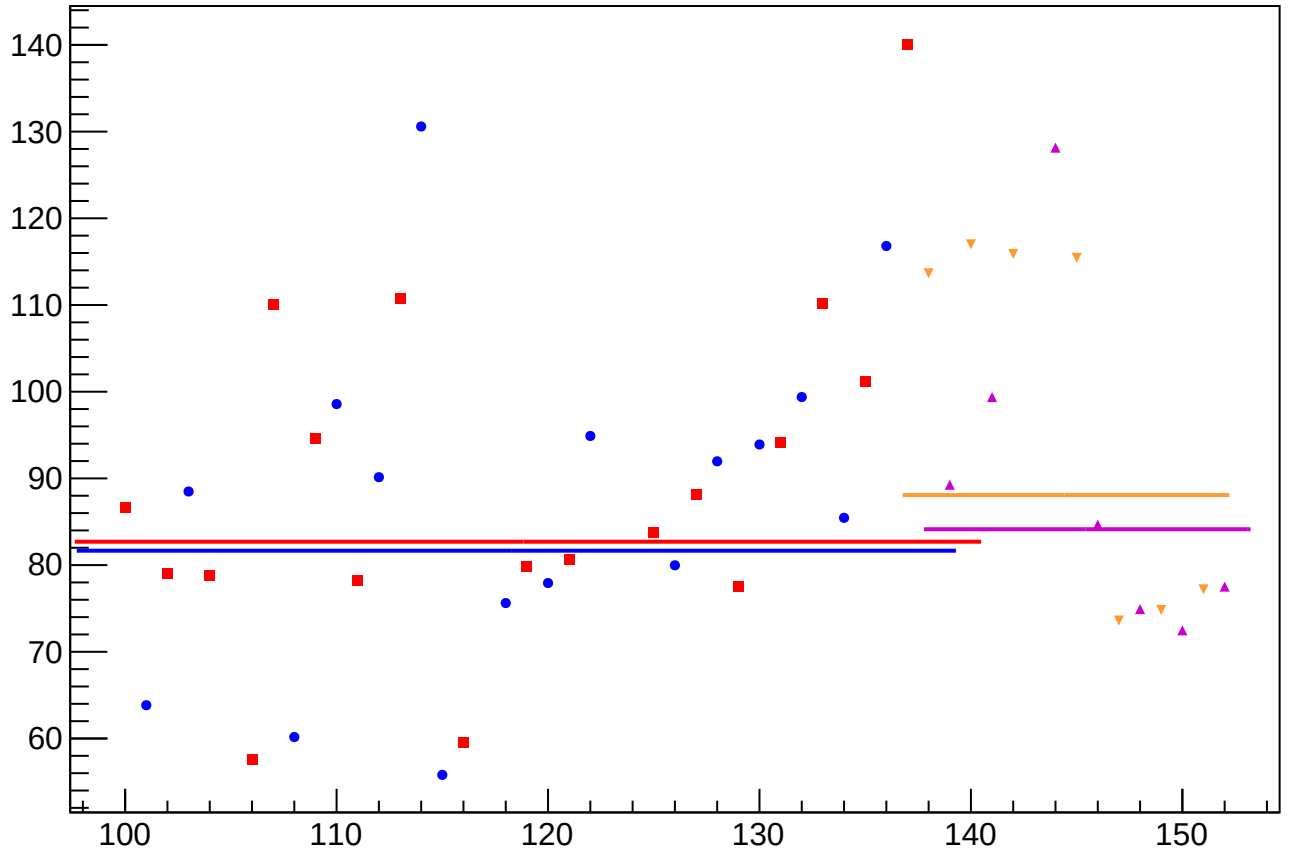
Left: 0.000+/-0.026 χ^2/NDF: 27.3/13

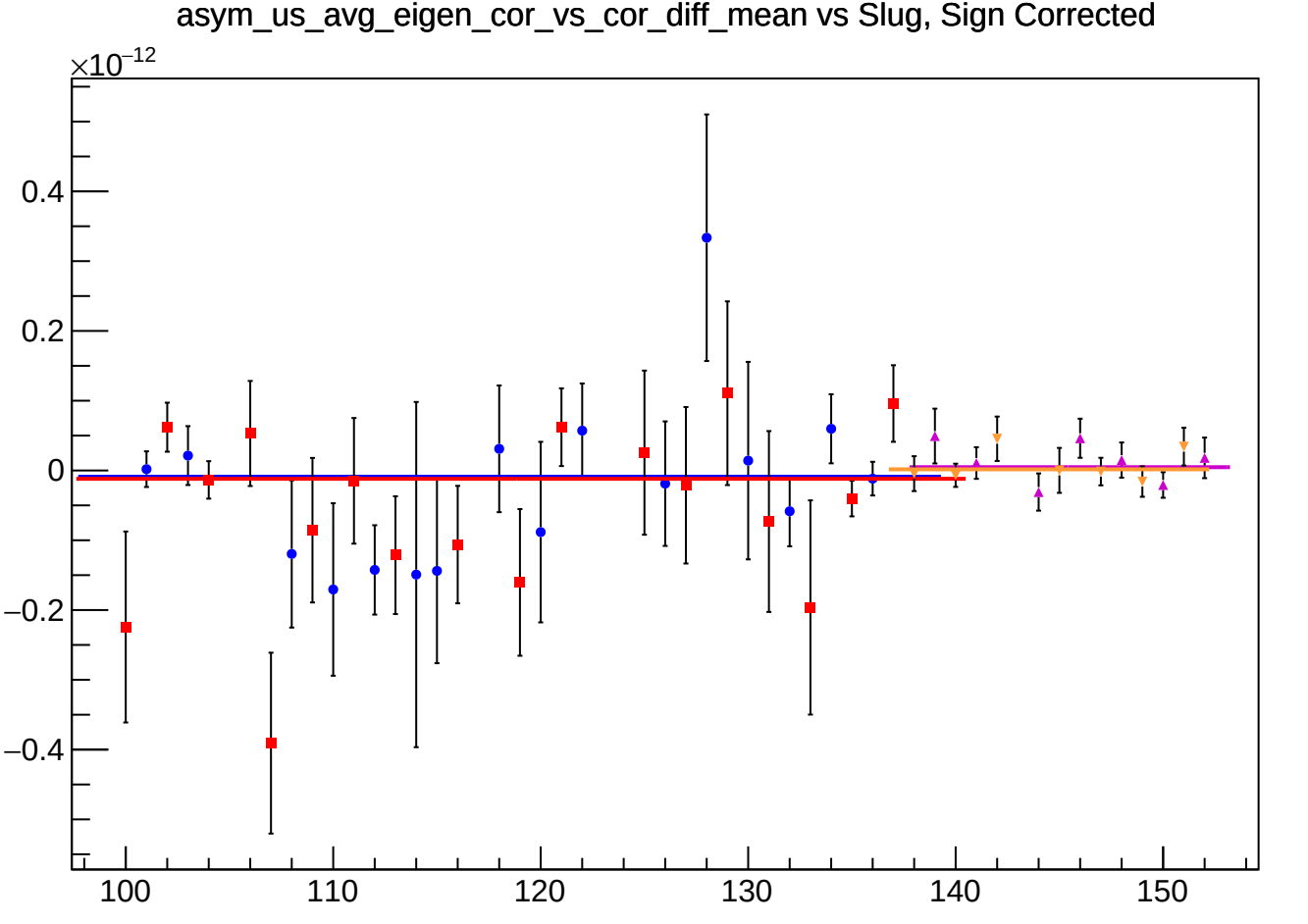
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.001+/-0.023 χ^2/NDF:37.4/22

Out: -0.009+/-0.025 χ^2/NDF:33.7/24

All: -0.004+/-0.017 χ^2/NDF: 71.2/47


asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
Right In: 81.663+/-0.022 χ²/NDF: 561836.4/15
Left Out: 88.078+/-0.028 χ²/NDF:457755.9/6
Right Out: 82.700+/-0.022 χ²/NDF: 473062.4/17
Left In: 84.136+/-0.025 χ²/NDF:337627.4/6
Left: 85.869+/-0.018 χ²/NDF: 806582.7/13
Right: 82.179+/-0.016 χ²/NDF: 1035971.3/33
In: 82.777+/-0.017 χ²/NDF:904979.3/22
Out: 84.815+/-0.017 χ²/NDF:953395.2/24
All: 83.741+/-0.012 χ²/NDF: 1865536.4/47



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:7.6/6

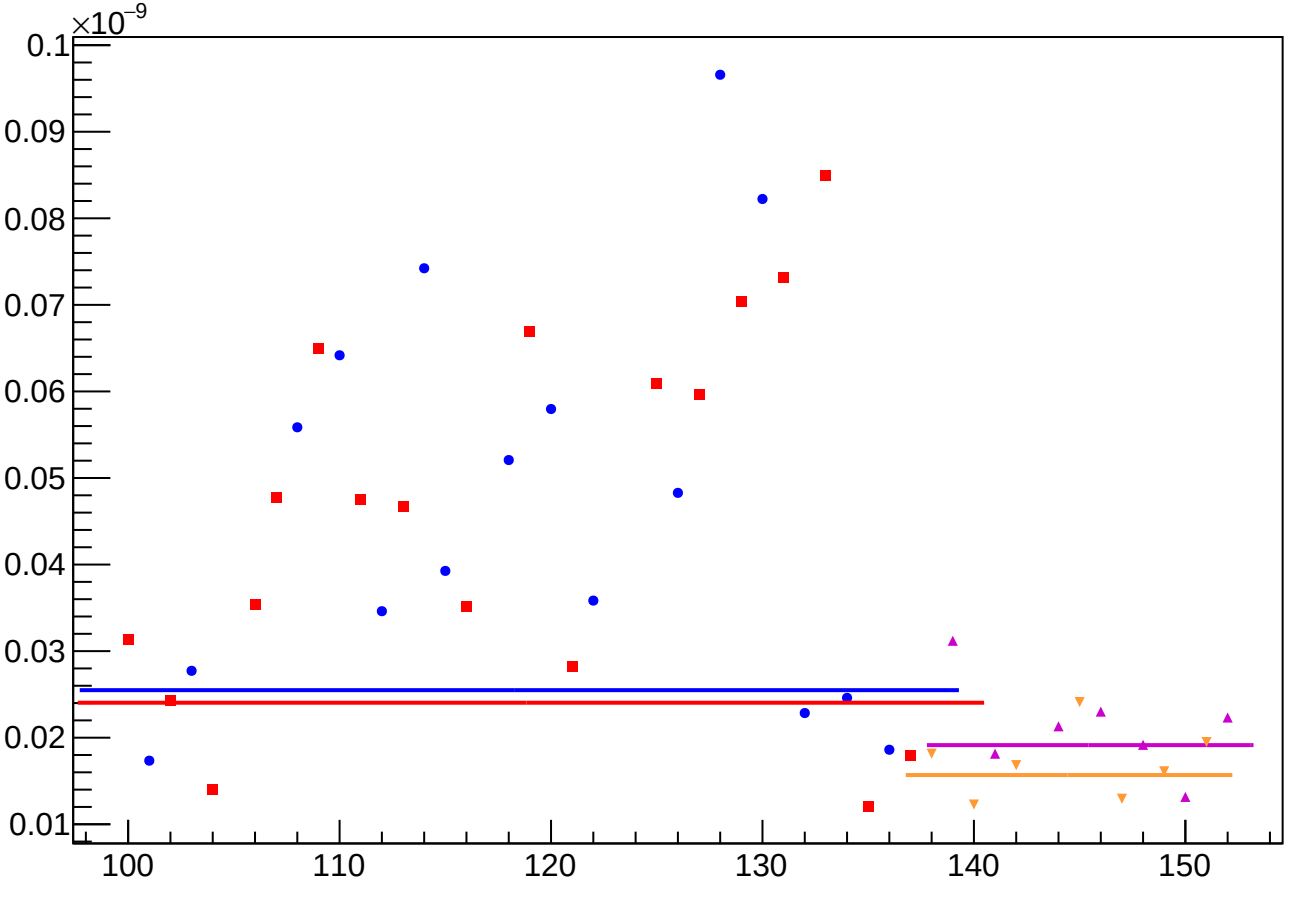
Left: 0.000+/-0.000 χ^2/NDF: 12.0/13

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

In: 0.000+/-0.000 χ^2/NDF:25.8/22

Out: -0.000+/-0.000 χ^2/NDF:36.1/24

All: -0.000+/-0.000 χ^2/NDF: 61.9/47



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:479475.2/6

Left: 0.000+/-0.000 χ^2/NDF: 944712.6/13

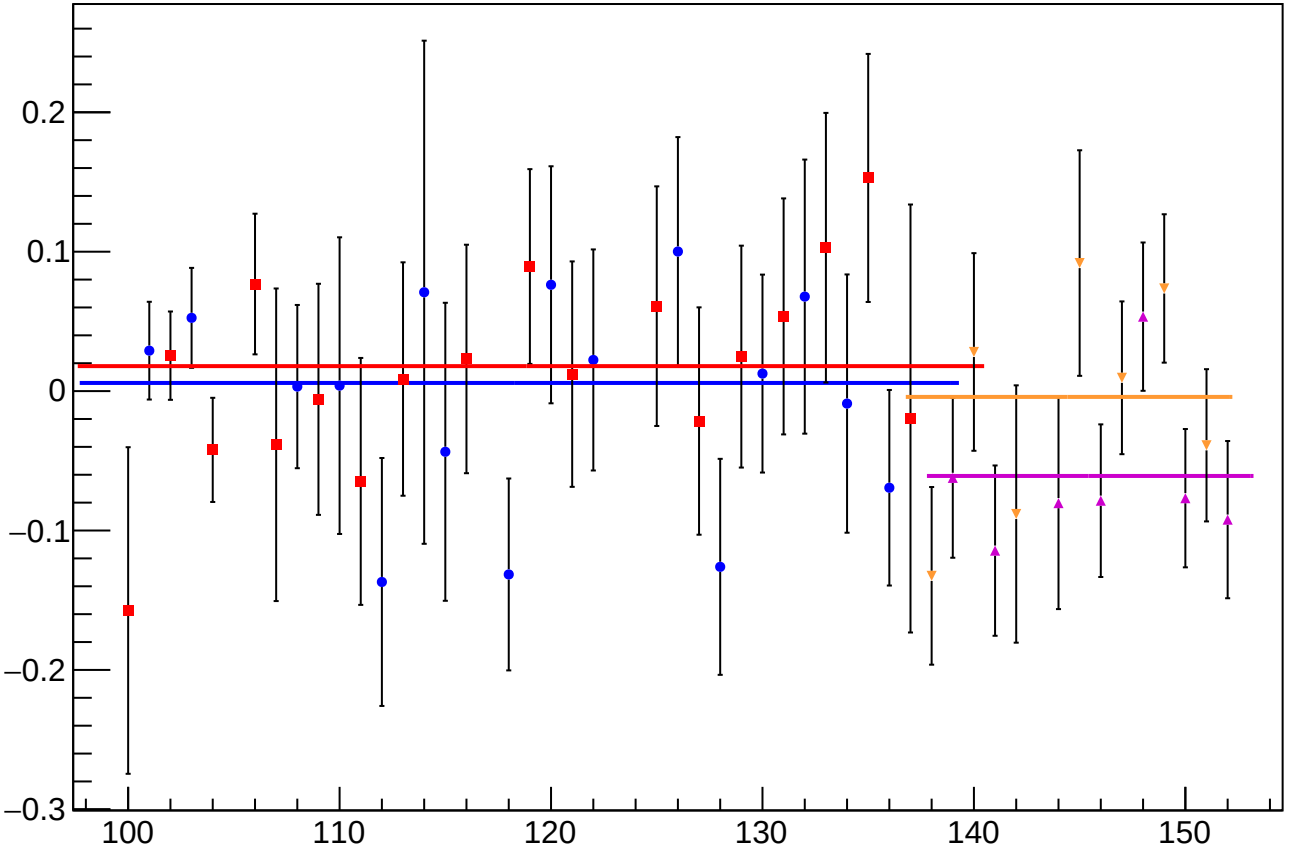
Right: 0.000+/-0.000 χ^2/NDF: 5096304.5/33

In: 0.000+/-0.000 χ^2/NDF:2781735.2/22

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

All: 0.000+/-0.000 χ^2/NDF: 6910021.8/47

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: -0.061+/-0.022 χ^2/NDF:6.0/6

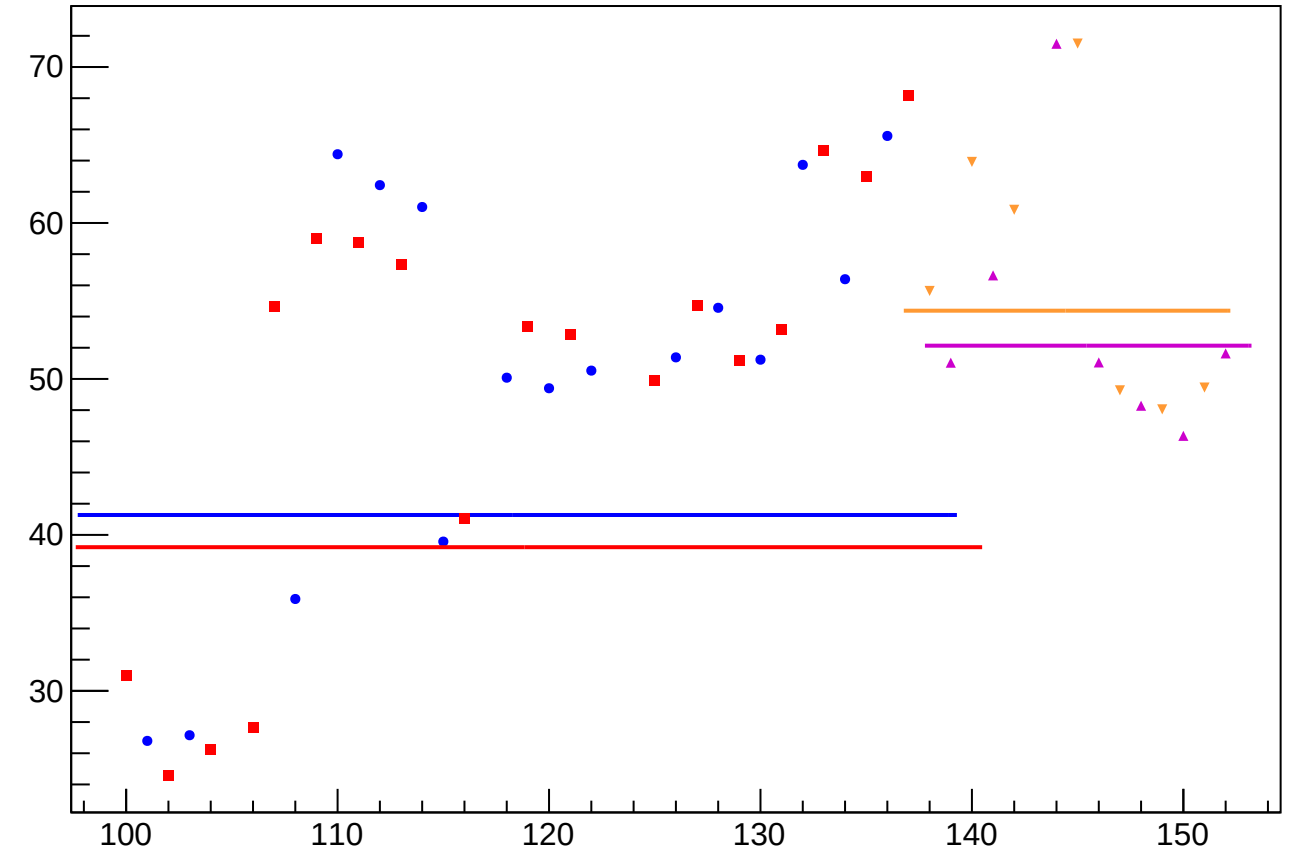
Left: -0.036+/-0.016 χ^2/NDF: 18.2/13

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.019+/-0.013 χ^2/NDF:27.6/22

Out: 0.011+/-0.013 χ^2/NDF:22.0/24

All: -0.004+/-0.009 χ^2/NDF: 52.2/47



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: 52.133+/-0.015 χ^2/NDF:179835.4/6

Left: 53.135+/-0.011 χ^2/NDF: 387913.0/13

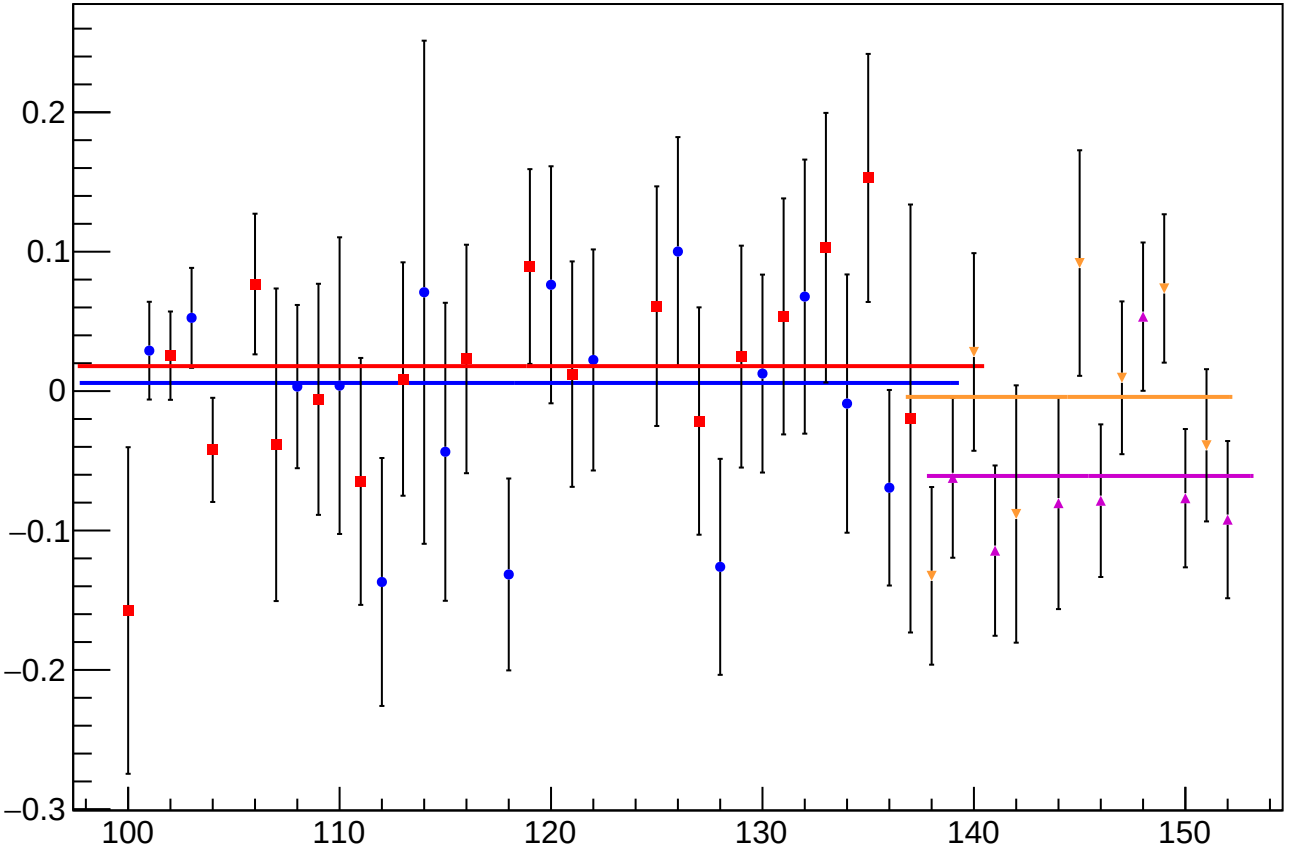
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

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

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

All: 44.537+/-0.007 χ^2/NDF: 4595171.5/47

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: -0.061+/-0.022 χ^2/NDF:6.0/6

Left: -0.036+/-0.016 χ^2/NDF: 18.2/13

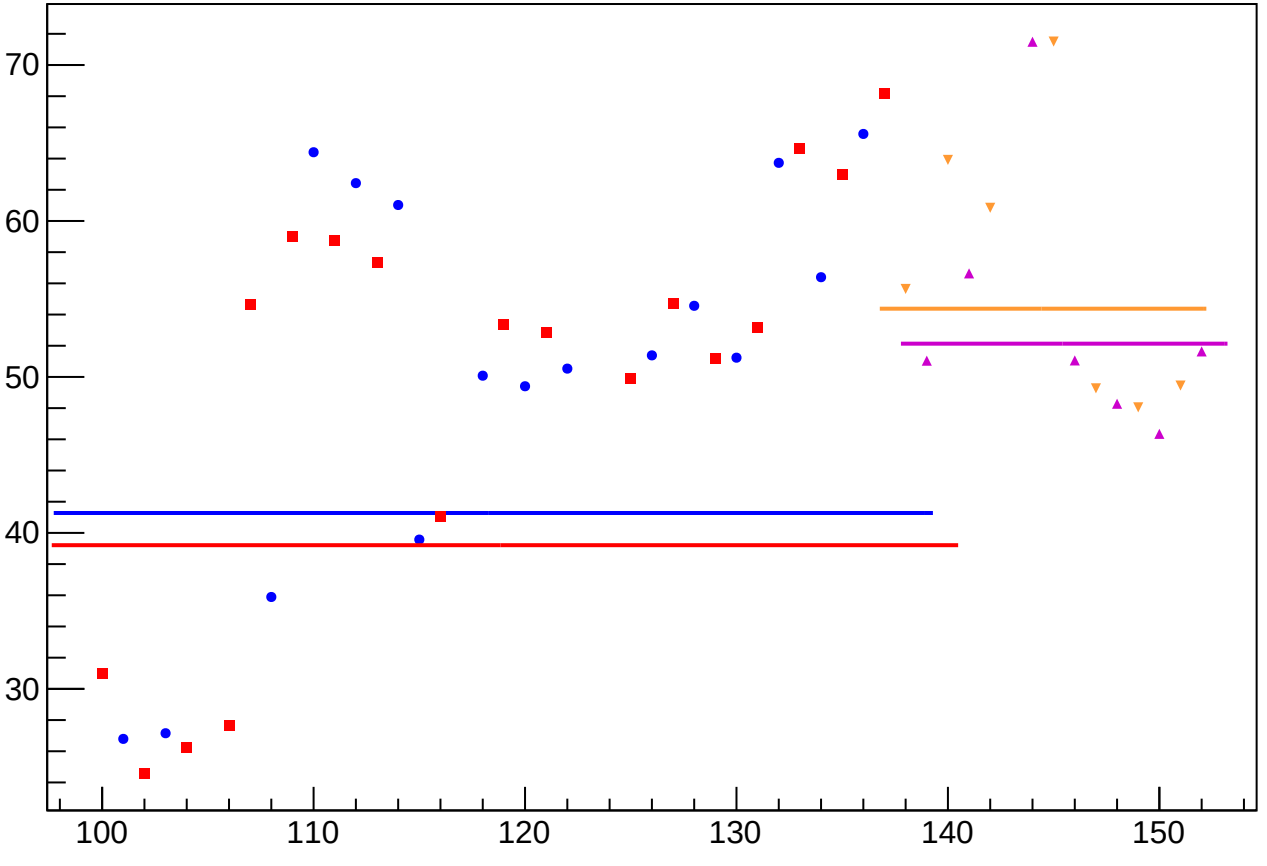
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.019+/-0.013 χ^2/NDF:27.6/22

Out: 0.011+/-0.013 χ^2/NDF:22.0/24

All: -0.004+/-0.009 χ^2/NDF: 52.2/47

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: 52.133+/-0.015 χ^2/NDF:179835.4/6

Left: 53.135+/-0.011 χ^2/NDF: 387913.0/13

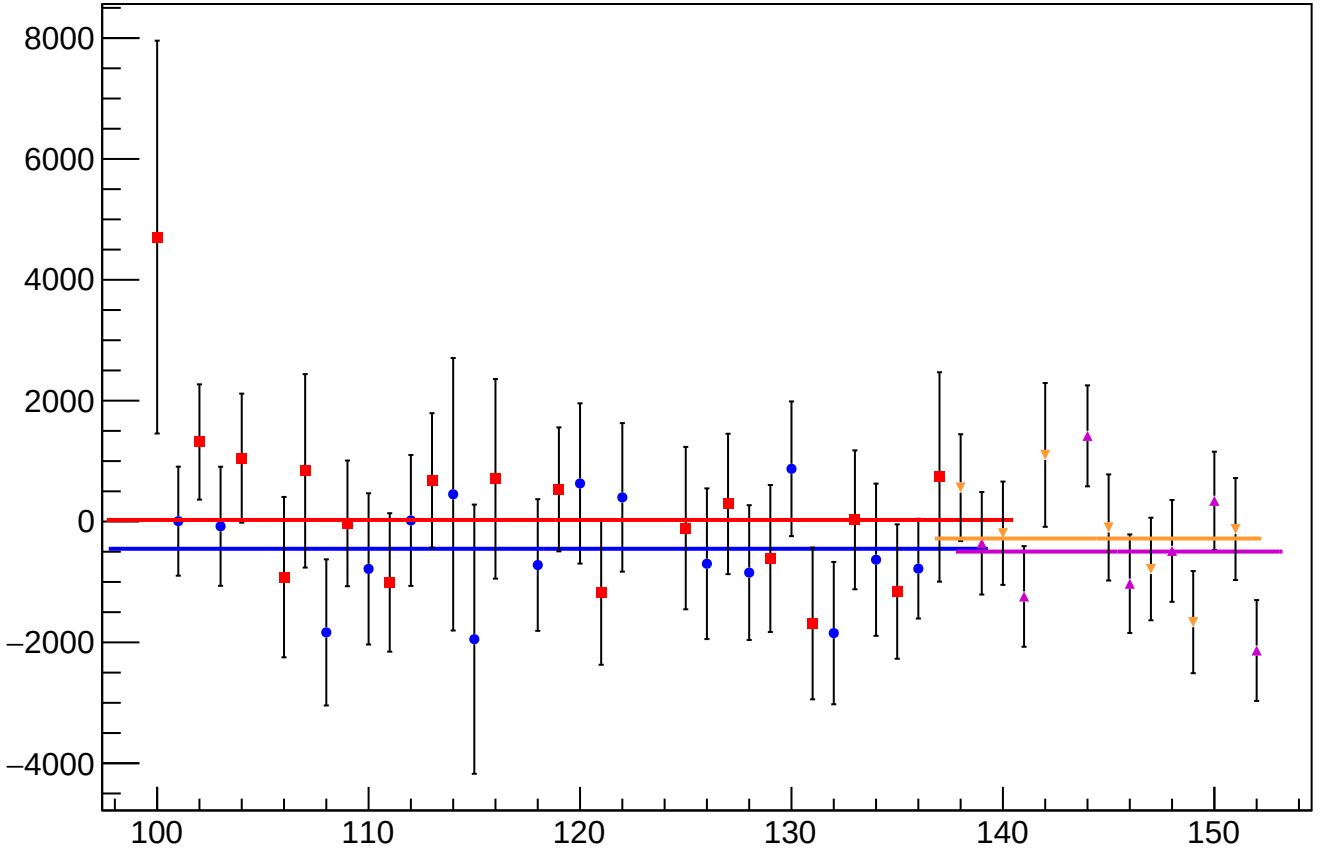
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

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

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

All: 44.537+/-0.007 χ^2/NDF: 4595171.5/47

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: -497.306+/-314.246 χ^2/NDF:11.4/6

Left: -396.591+/-229.554 χ^2/NDF: 17.0/13

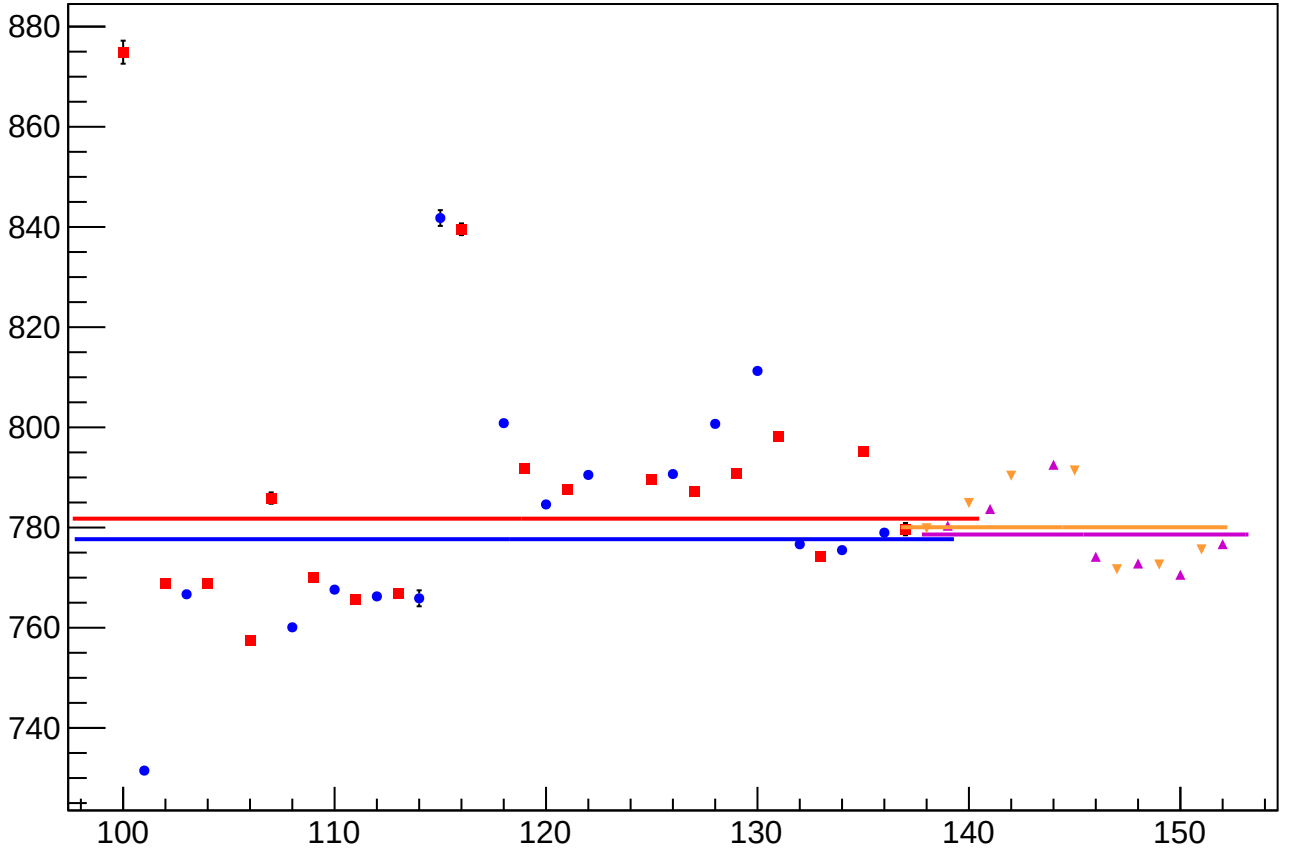
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

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

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

All: -293.294+/-152.491 χ^2/NDF: 37.4/47

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: 778.614+/-0.222 χ^2/NDF:998.9/6

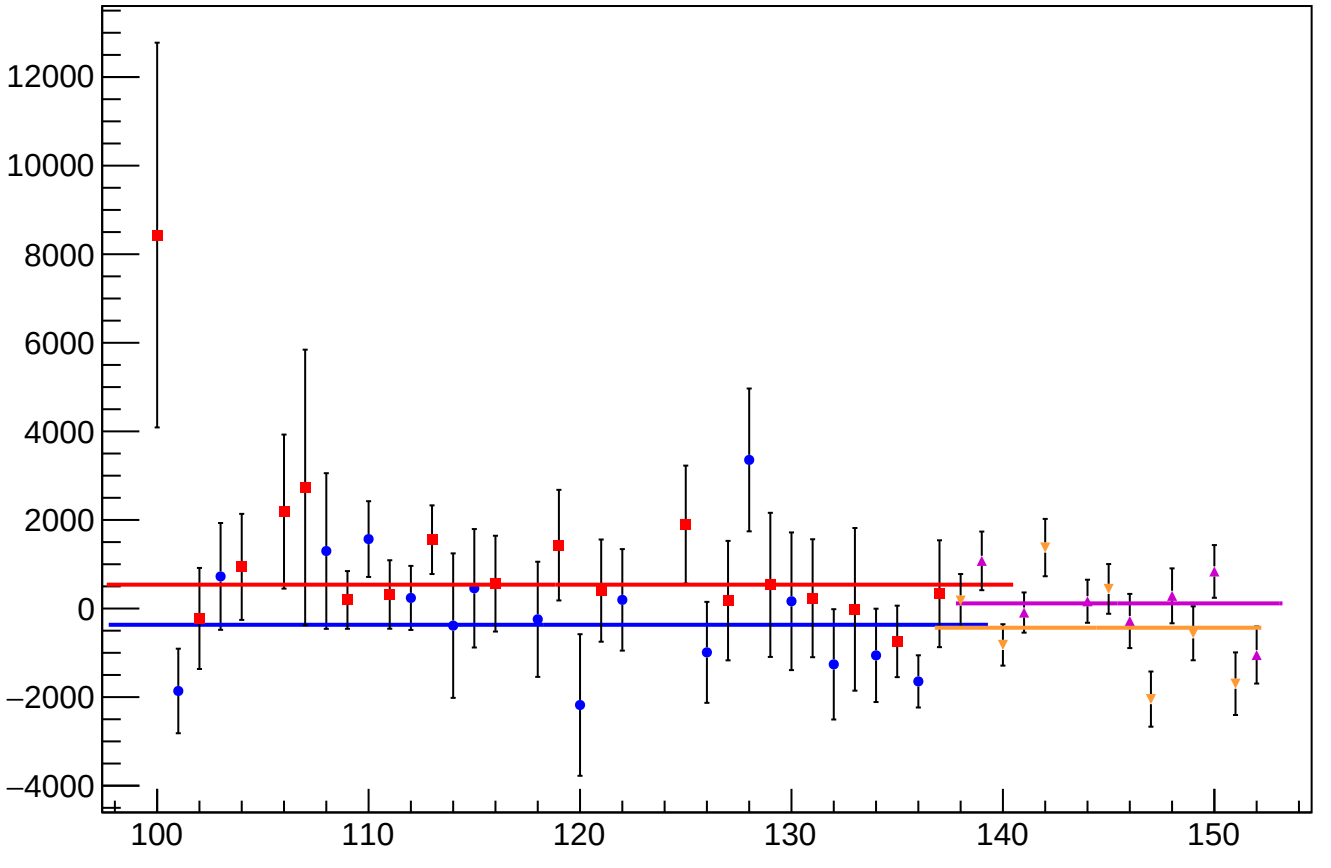
Left: 779.289+/-0.162 χ^2/NDF: 1971.0/13

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

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

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

All: 779.536+/-0.108 χ^2/NDF: 21859.0/47



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: 116.183+/-213.797 χ^2/NDF:7.6/6

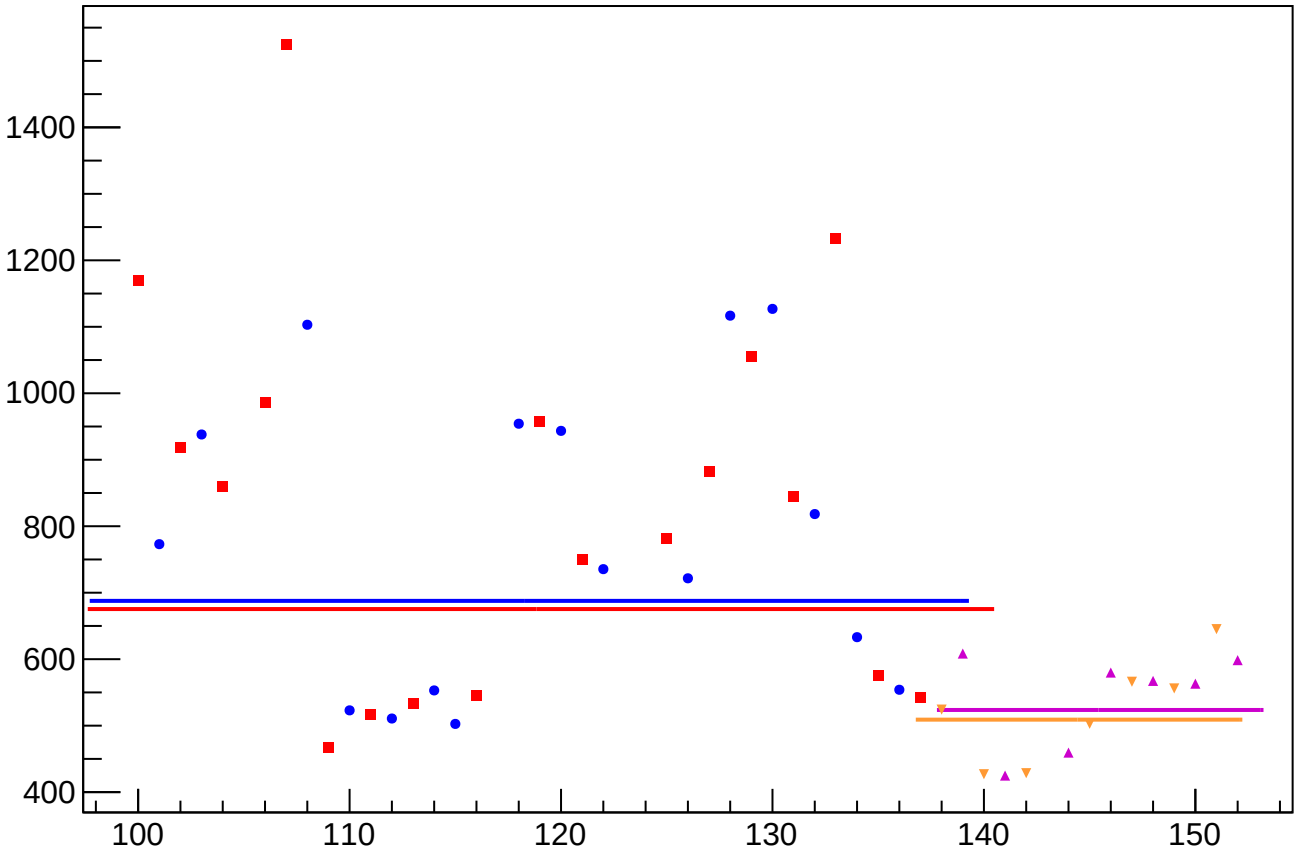
Left: -147.669+/-154.180 χ^2/NDF: 32.7/13

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

In: -72.852+/-166.814 χ^2/NDF:32.9/22

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

All: -50.648+/-119.019 χ^2/NDF: 74.5/47



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: 523.607+/-0.151 χ^2/NDF:225089.4/6

Left: 516.620+/-0.109 χ^2/NDF: 426674.0/13

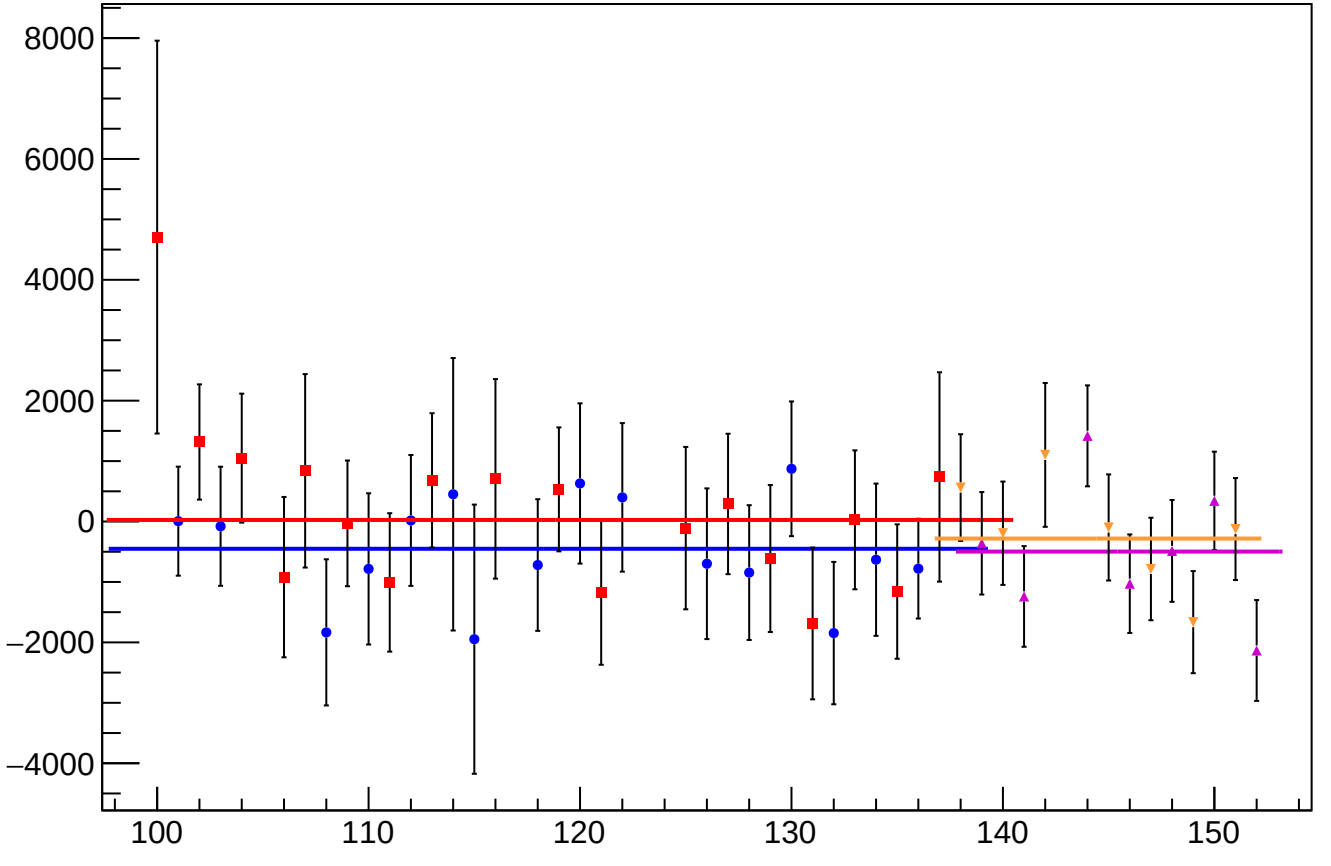
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

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

All: 583.237+/-0.084 χ^2/NDF: 3697725.9/47

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: -497.306+/-314.246 χ^2/NDF:11.4/6

Left: -396.591+/-229.554 χ^2/NDF: 17.0/13

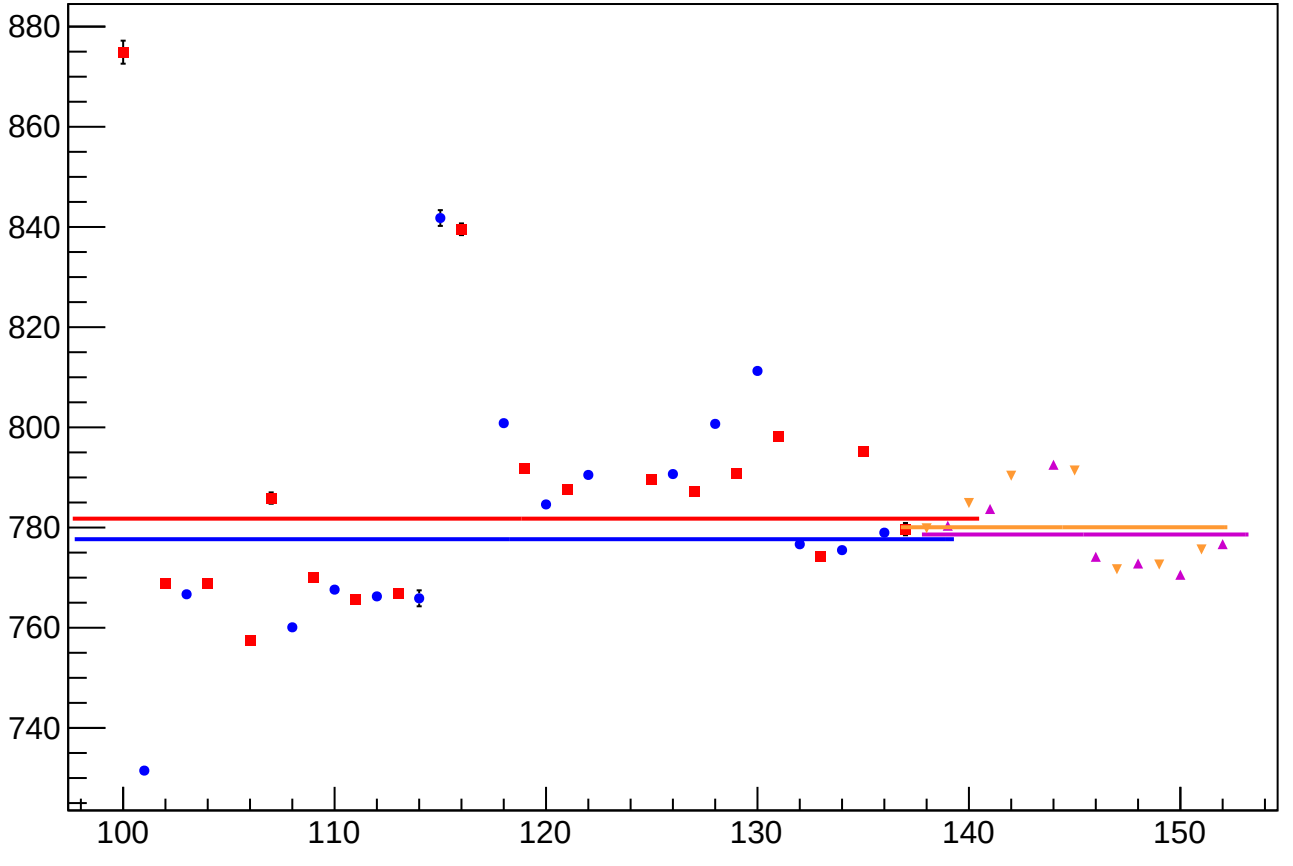
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

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

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

All: -293.294+/-152.491 χ^2/NDF: 37.4/47

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: 778.614+/-0.222 χ^2/NDF:998.9/6

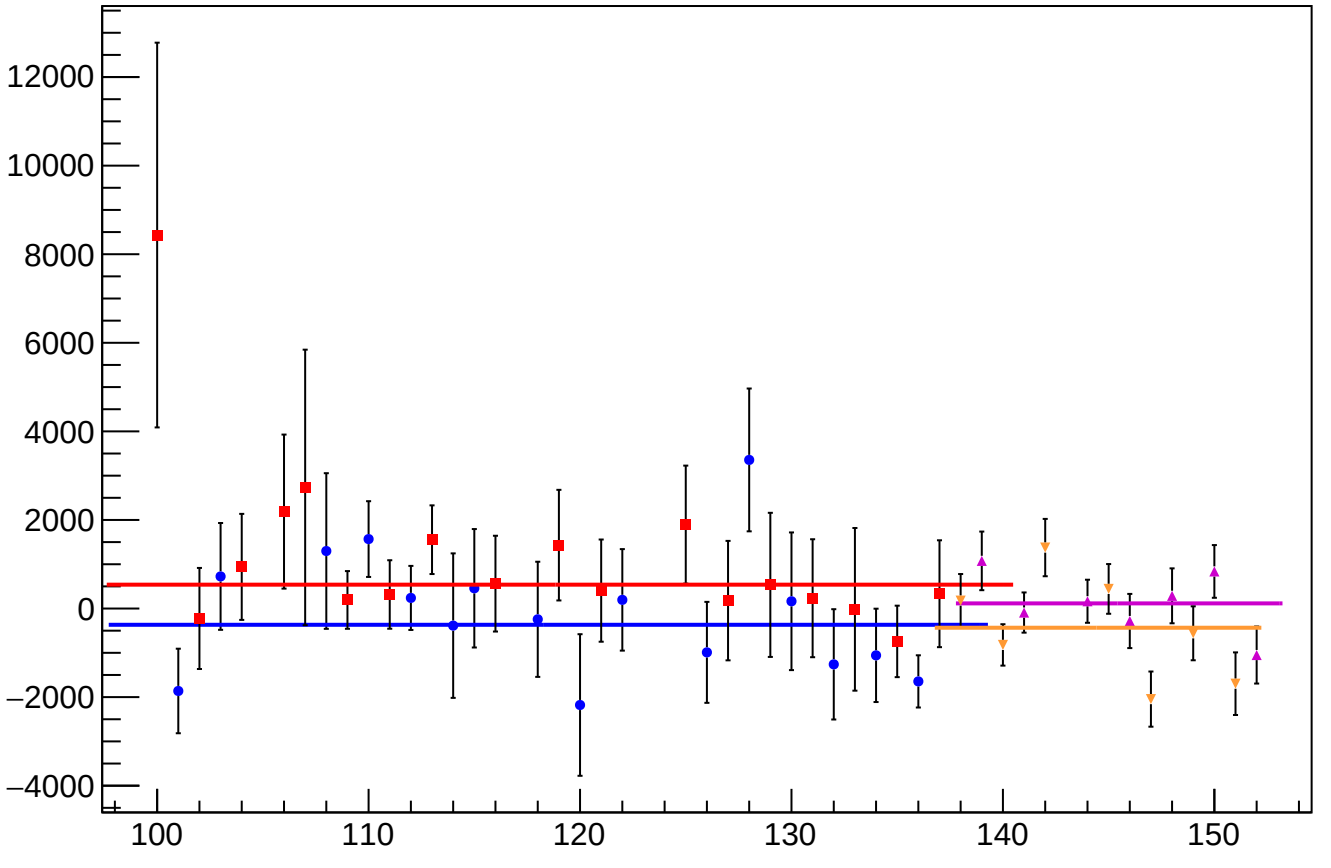
Left: 779.289+/-0.162 χ^2/NDF: 1971.0/13

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

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

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

All: 779.536+/-0.108 χ^2/NDF: 21859.0/47



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: 116.183+/-213.797 χ^2/NDF:7.6/6

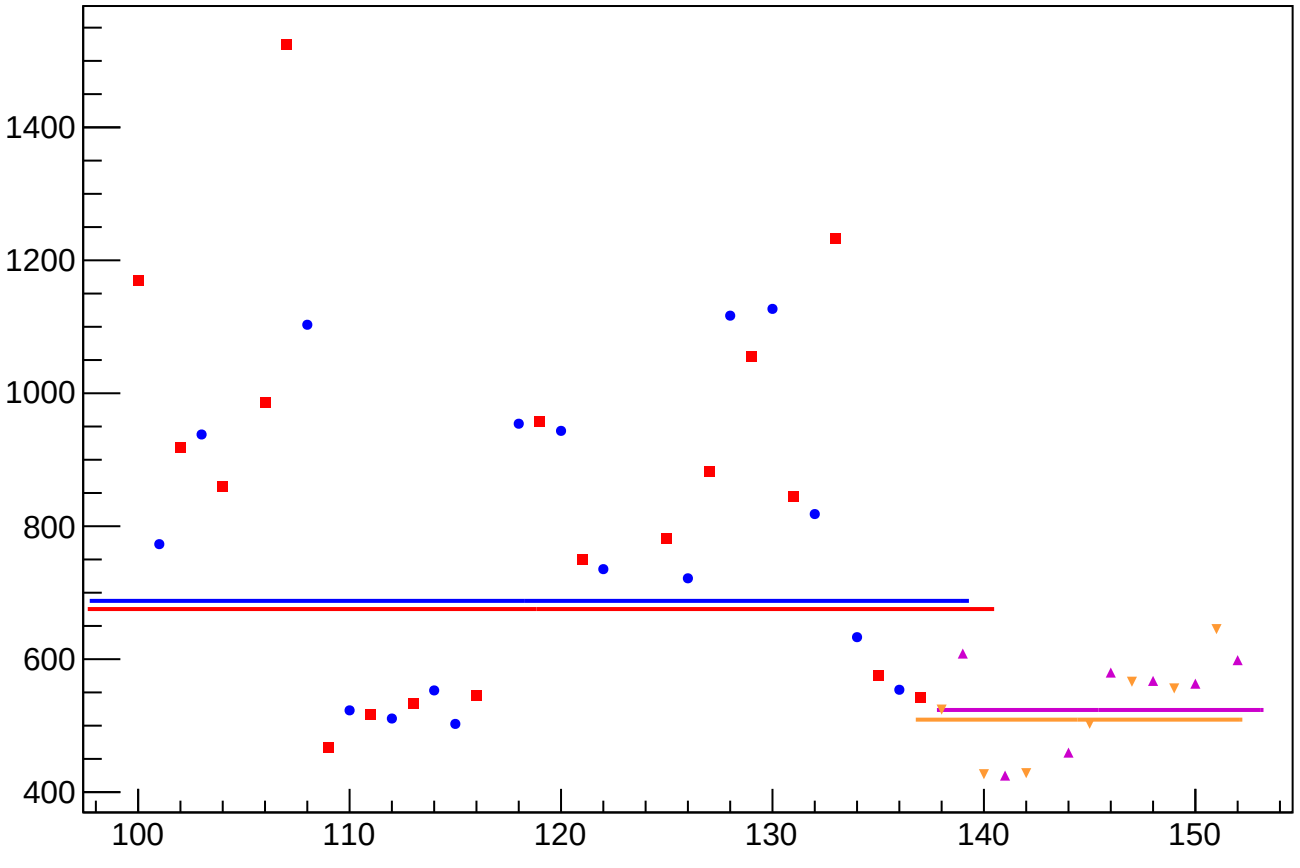
Left: -147.669+/-154.180 χ^2/NDF: 32.7/13

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

In: -72.852+/-166.814 χ^2/NDF:32.9/22

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

All: -50.648+/-119.019 χ^2/NDF: 74.5/47



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: 523.607+/-0.151 χ^2/NDF:225089.4/6

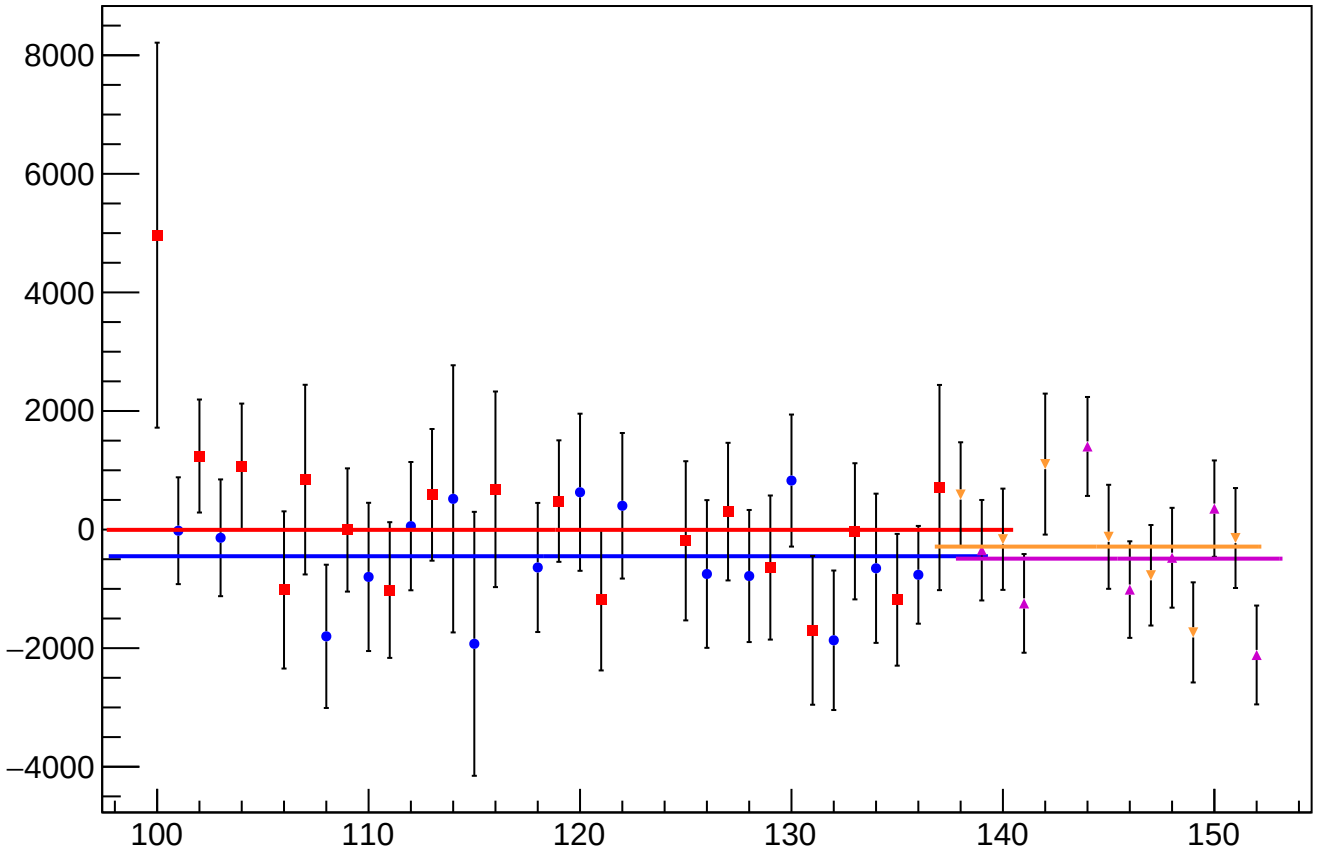
Left: 516.620+/-0.109 χ^2/NDF: 426674.0/13

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

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

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

All: 583.237+/-0.084 χ^2/NDF: 3697725.9/47



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: -490.390+/-313.993 χ^2/NDF:11.3/6

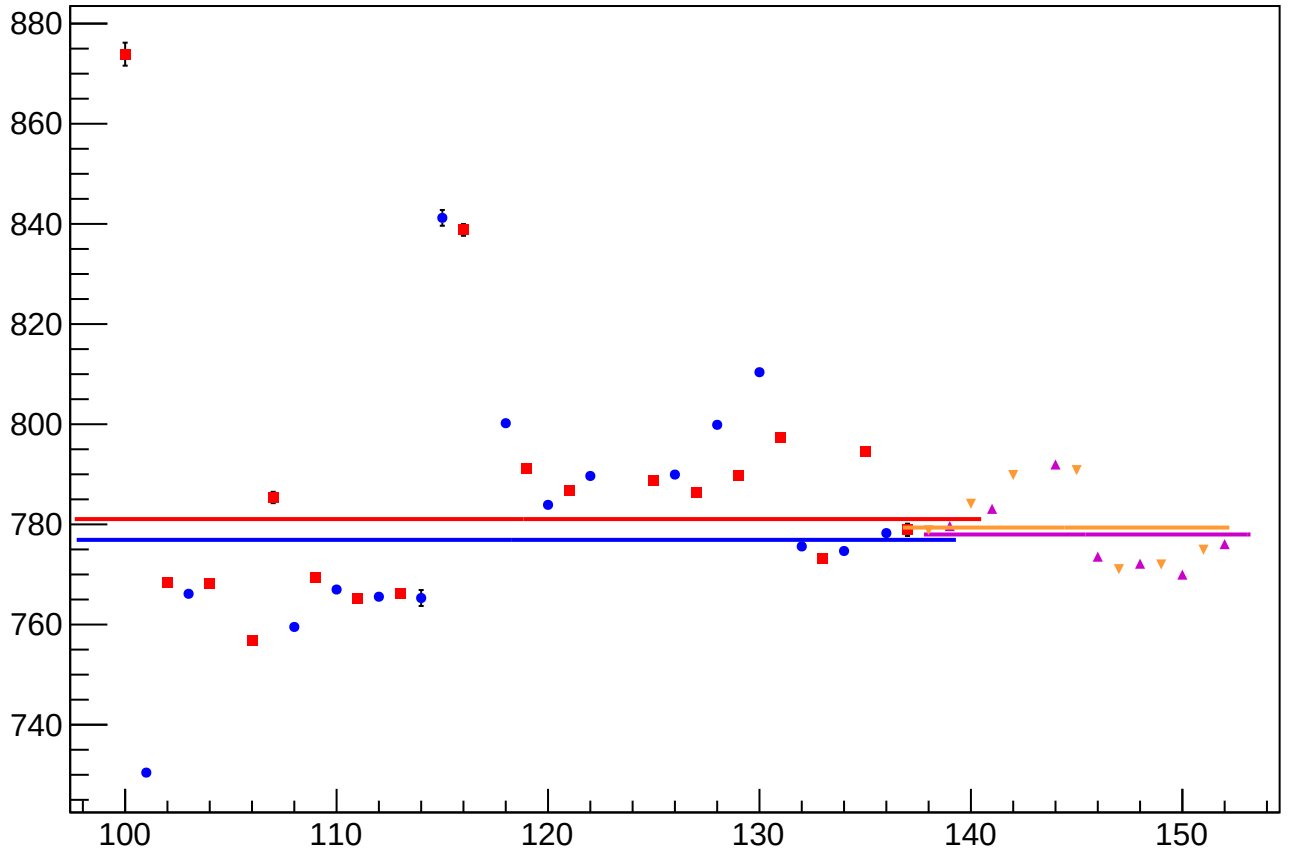
Left: -395.612+/-229.360 χ^2/NDF: 17.2/13

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

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

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

All: -301.052+/-152.354 χ^2/NDF: 37.3/47



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: 777.986+/-0.222 χ^2/NDF:1004.4/6

Left: 778.630+/-0.162 χ^2/NDF: 1982.2/13

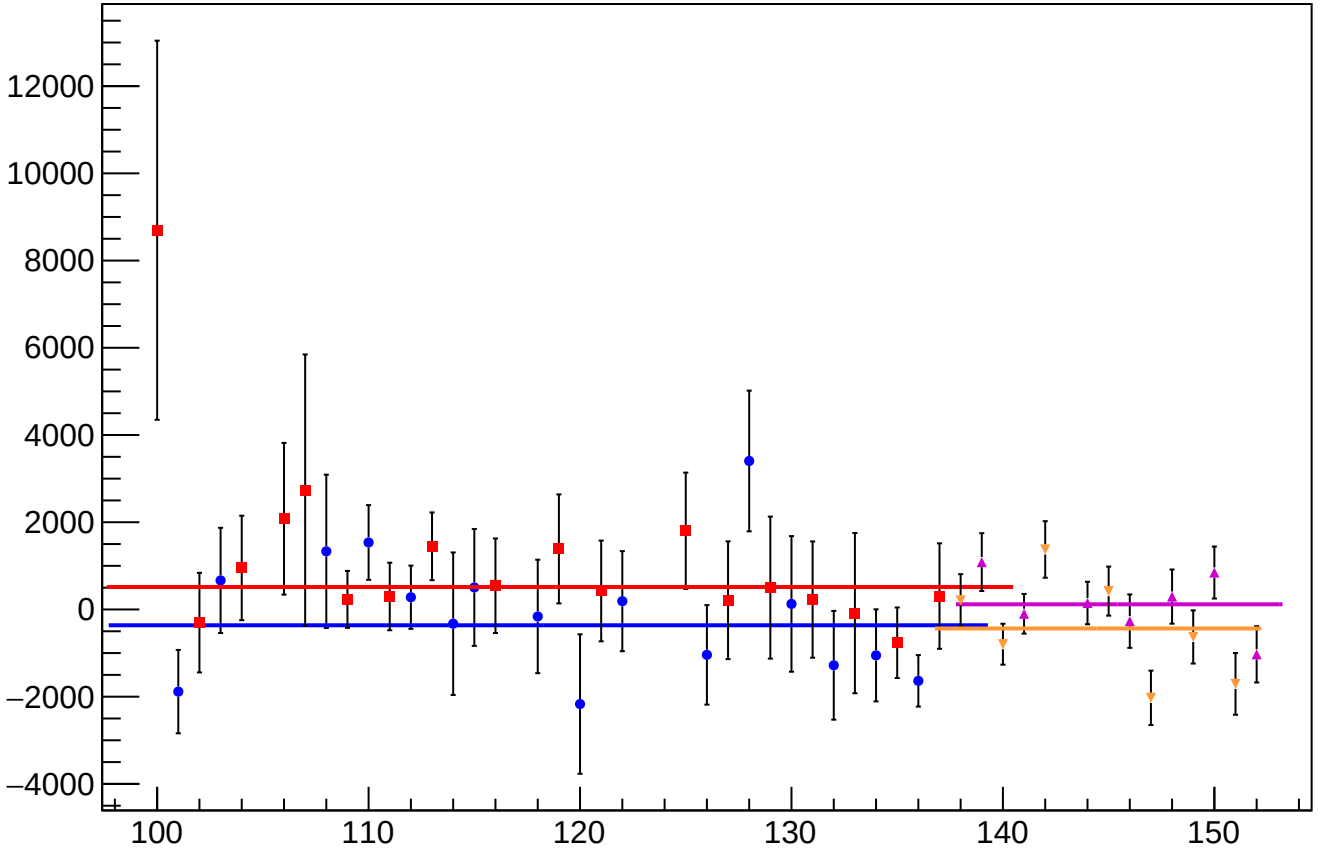
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

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

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

All: 778.833+/-0.108 χ^2/NDF: 21901.4/47

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: 118.136+/-214.196 χ^2/NDF:7.5/6

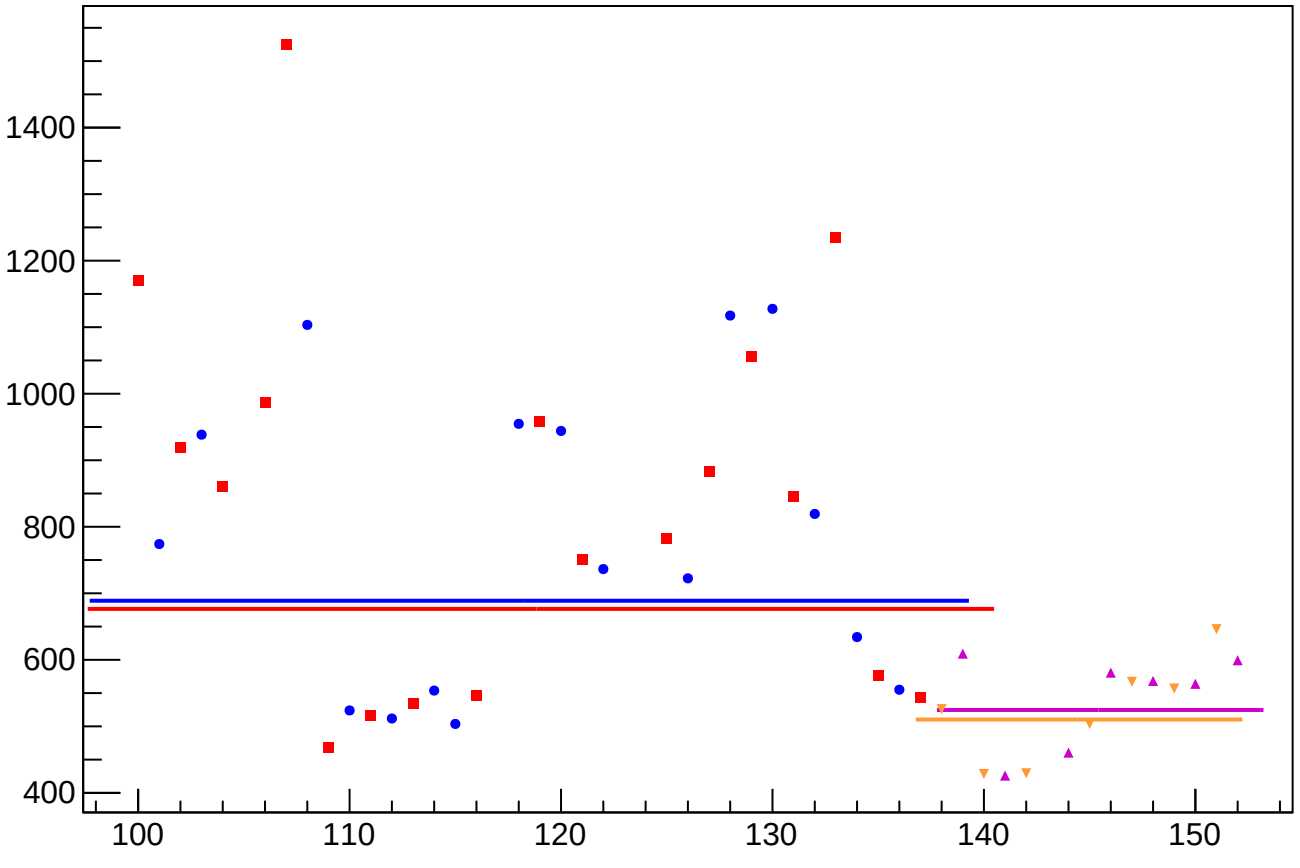
Left: -147.799+/-154.496 χ^2/NDF: 32.4/13

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

In: -70.115+/-167.098 χ^2/NDF:32.8/22

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

All: -54.670+/-119.235 χ^2/NDF: 73.5/47



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: 524.625+/-0.151 χ^2/NDF:223531.0/6

Left: 517.731+/-0.109 χ^2/NDF: 423322.5/13

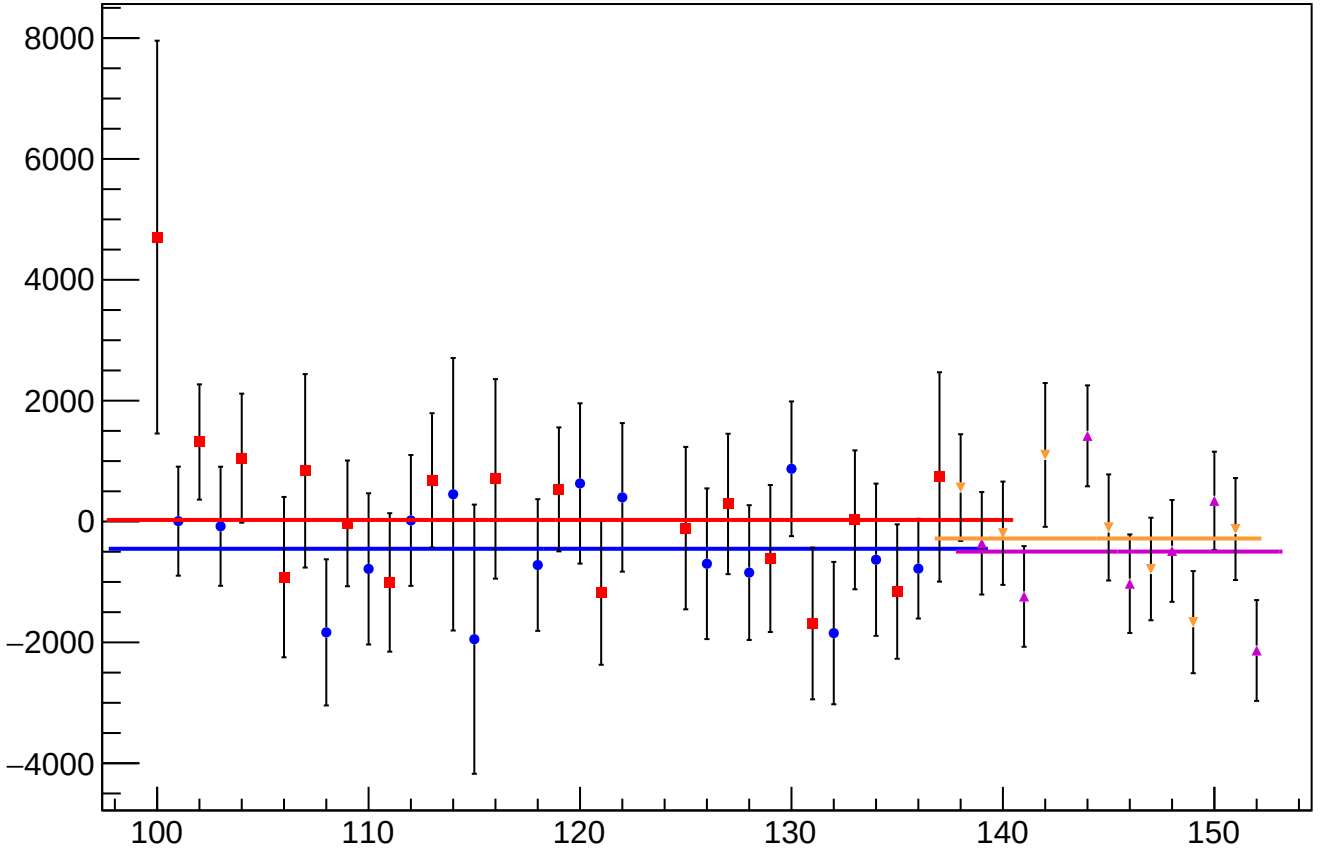
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

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

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

All: 584.405+/-0.084 χ^2/NDF: 3682738.0/47

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

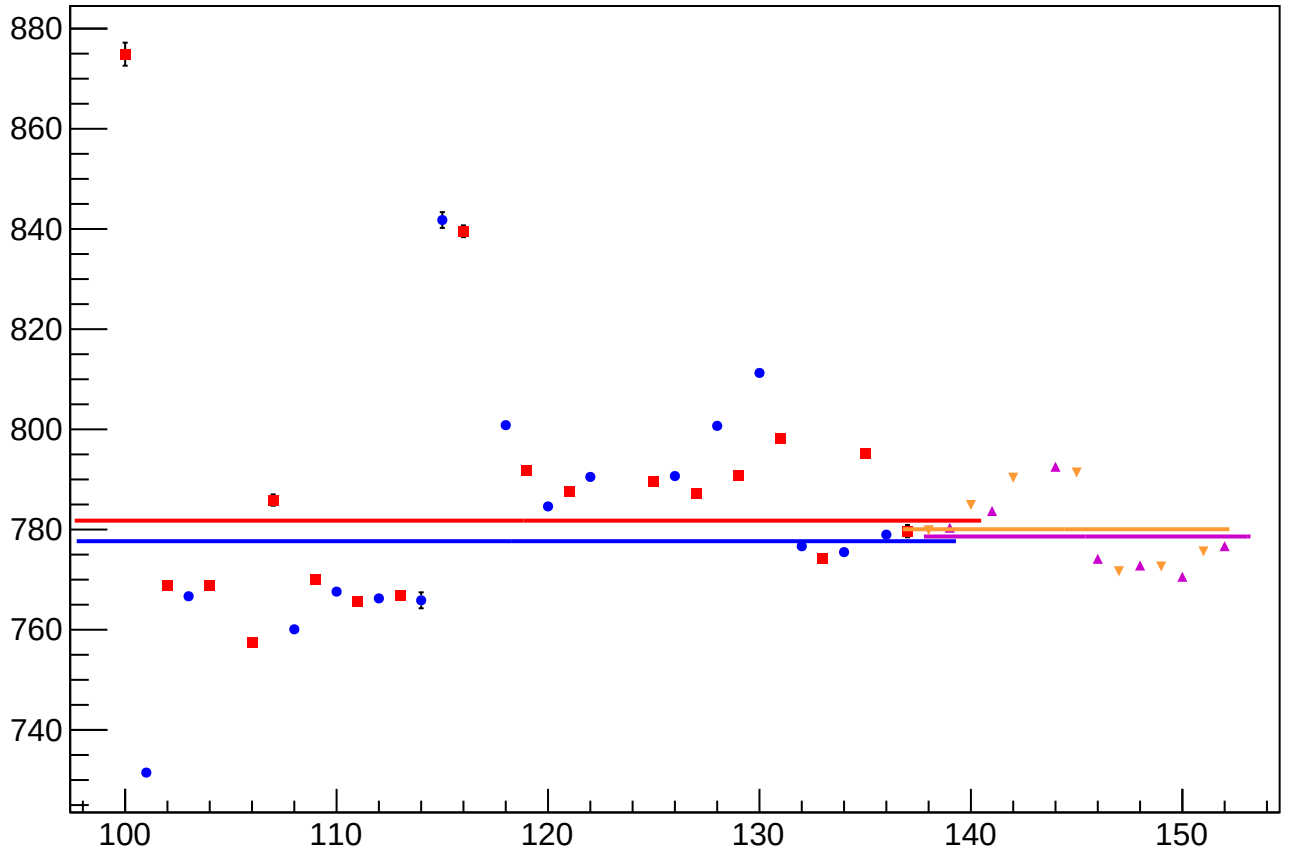
Left: -396.591+/-229.554 χ^2/NDF: 17.0/13

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

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

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

All: -293.294+/-152.491 χ^2/NDF: 37.4/47



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: 778.614+/-0.222 χ^2/NDF:998.9/6

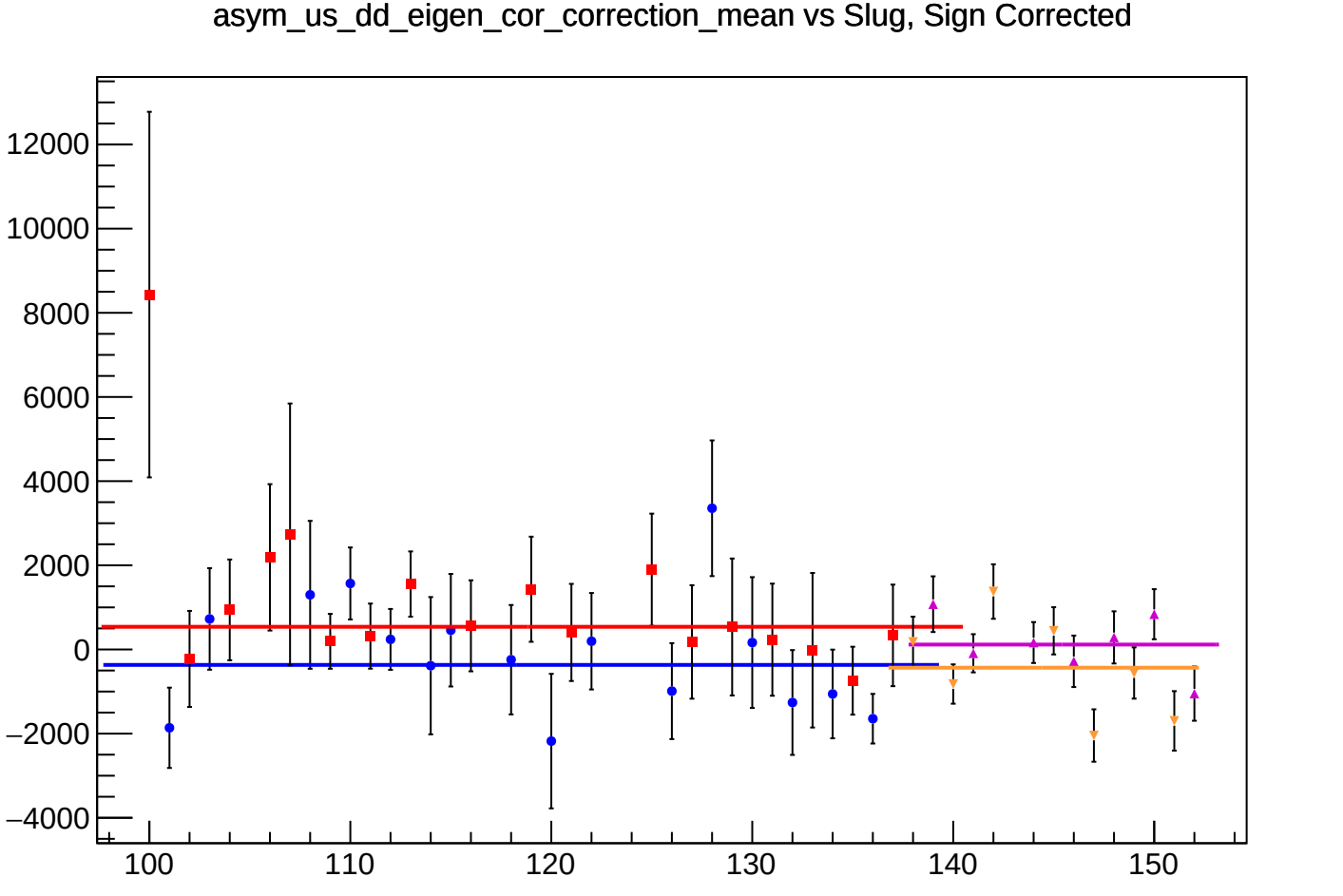
Left: 779.289+/-0.162 χ^2/NDF: 1971.0/13

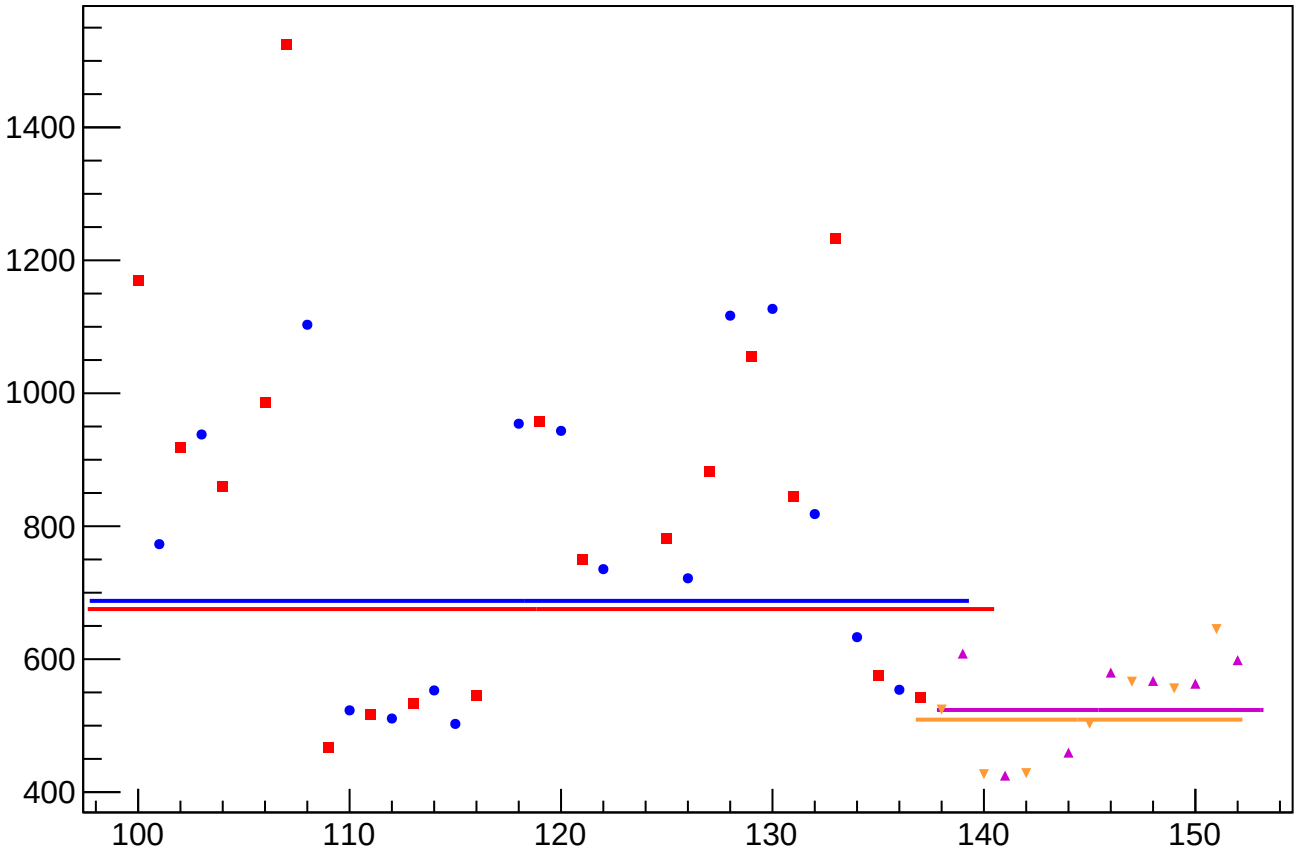
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

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

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

All: 779.536+/-0.108 χ^2/NDF: 21859.0/47


asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: -367.008+/-266.698 χ²/NDF: 23.3/15
Left Out: -433.578+/-222.554 χ²/NDF:21.9/6
Right Out: 538.887+/-262.907 χ²/NDF: 11.7/17
Left In: 116.183+/-213.797 χ²/NDF:7.6/6
Left: -147.669+/-154.180 χ²/NDF: 32.7/13
Right: 92.424+/-187.229 χ²/NDF: 40.8/33
In: -72.852+/-166.814 χ²/NDF:32.9/22
Out: -27.625+/-169.865 χ²/NDF:41.6/24
All: -50.648+/-119.019 χ²/NDF: 74.5/47



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: 523.607+/-0.151 χ^2/NDF:225089.4/6

Left: 516.620+/-0.109 χ^2/NDF: 426674.0/13

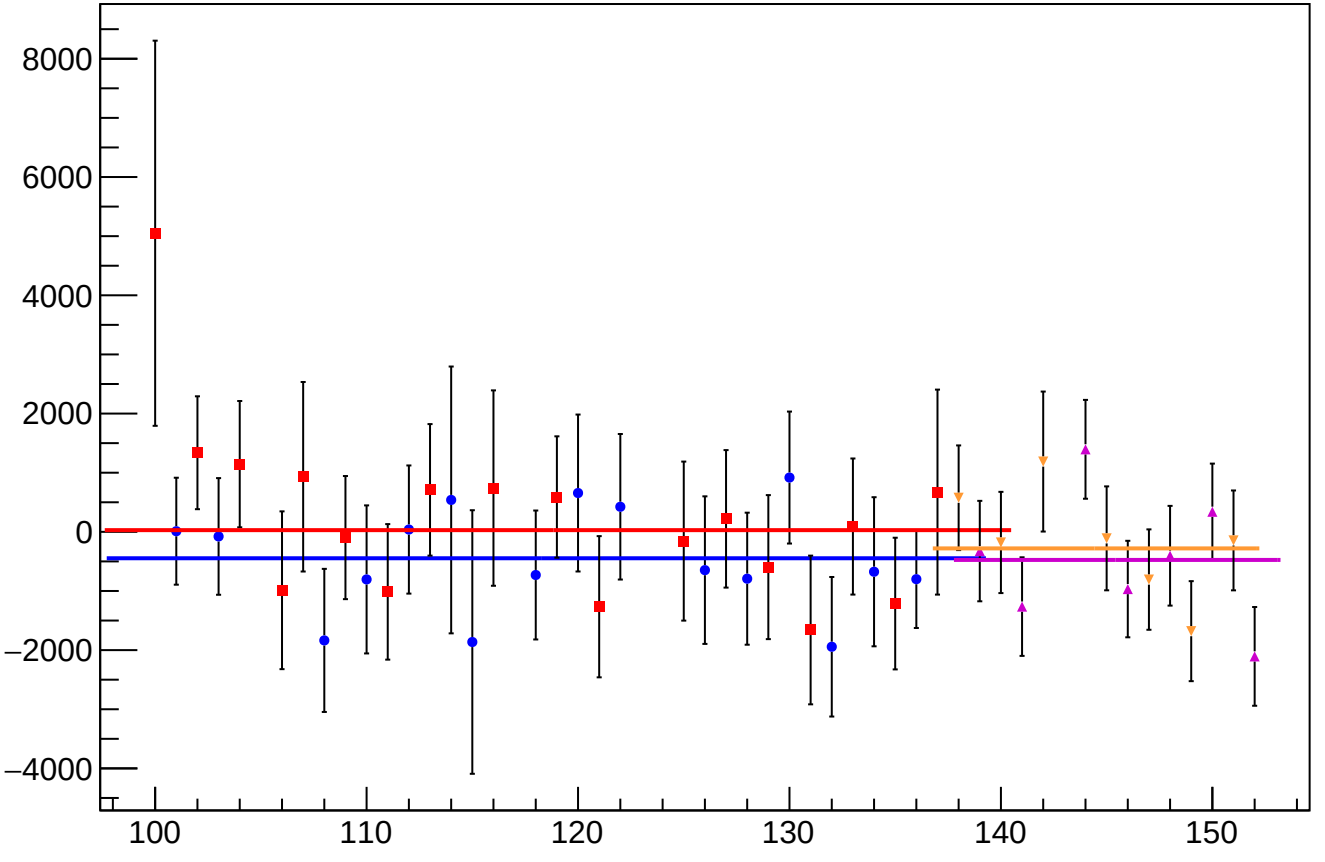
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

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

All: 583.237+/-0.084 χ^2/NDF: 3697725.9/47

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: -474.973+/-314.498 χ^2/NDF:11.1/6

Left: -384.018+/-229.719 χ^2/NDF: 17.0/13

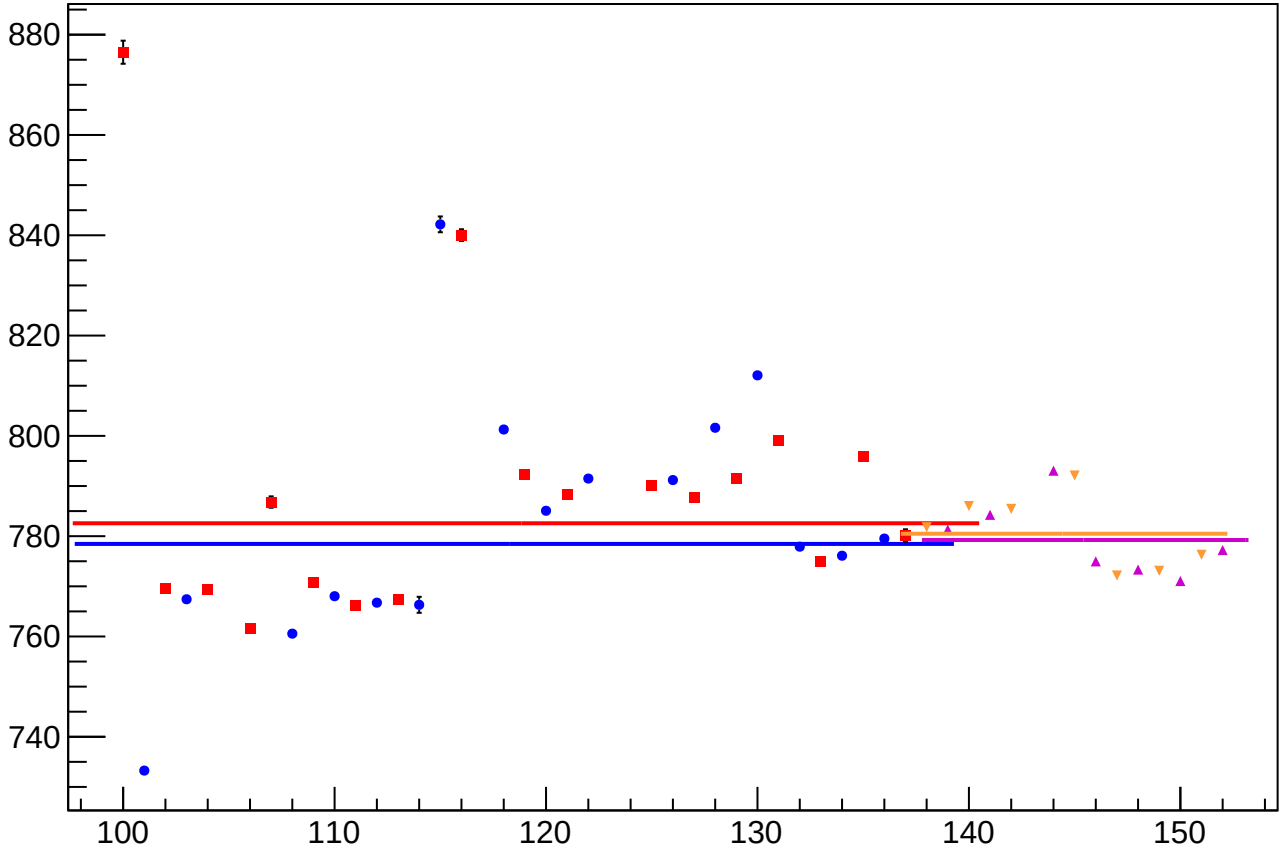
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

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

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

All: -285.824+/-152.626 χ^2/NDF: 38.6/47

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: 779.238+/-0.222 χ^2/NDF:997.8/6

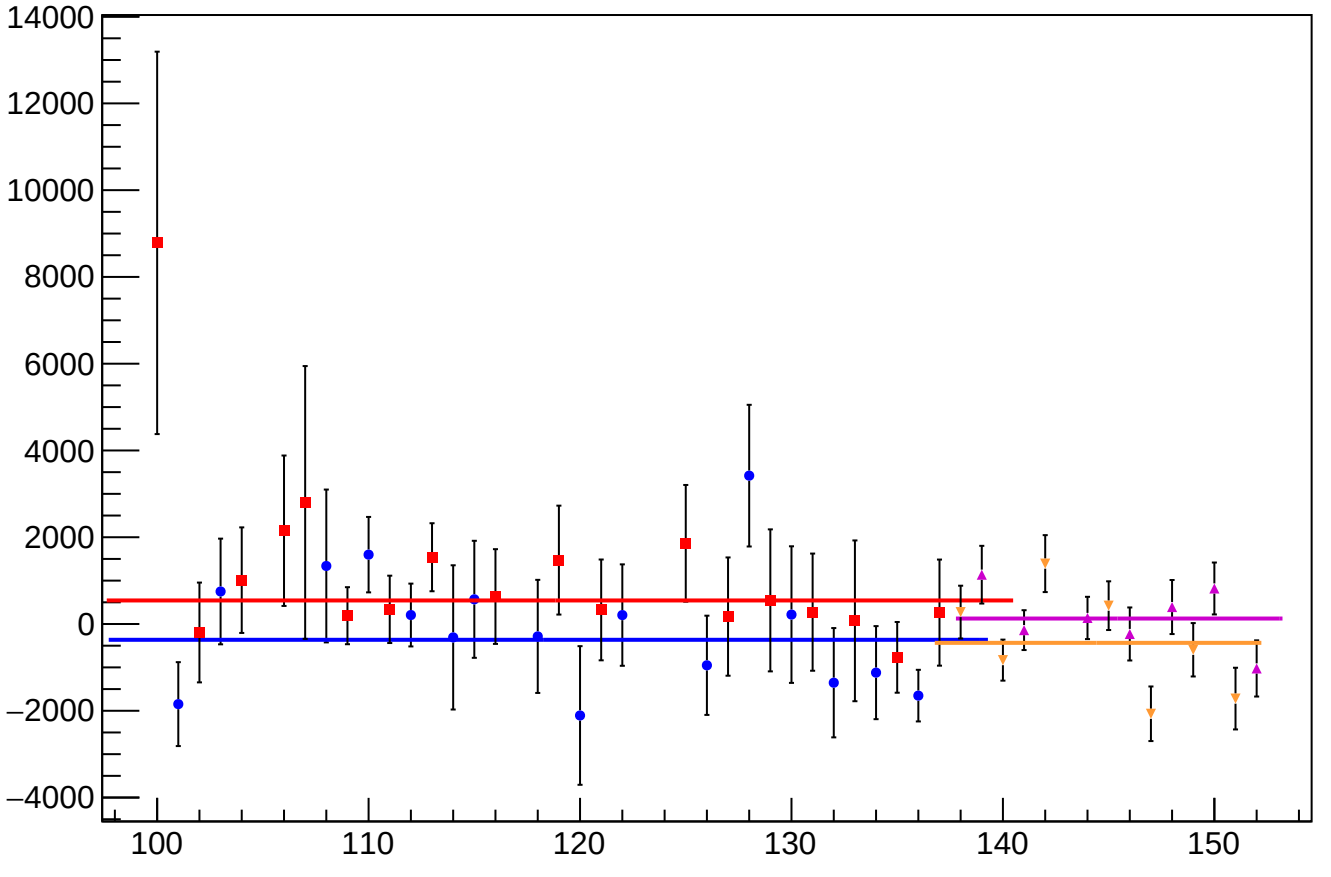
Left: 779.821+/-0.162 χ^2/NDF: 1878.5/13

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

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

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

All: 780.212+/-0.108 χ^2/NDF: 21368.9/47



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: 126.139+/-214.928 χ^2/NDF:7.7/6

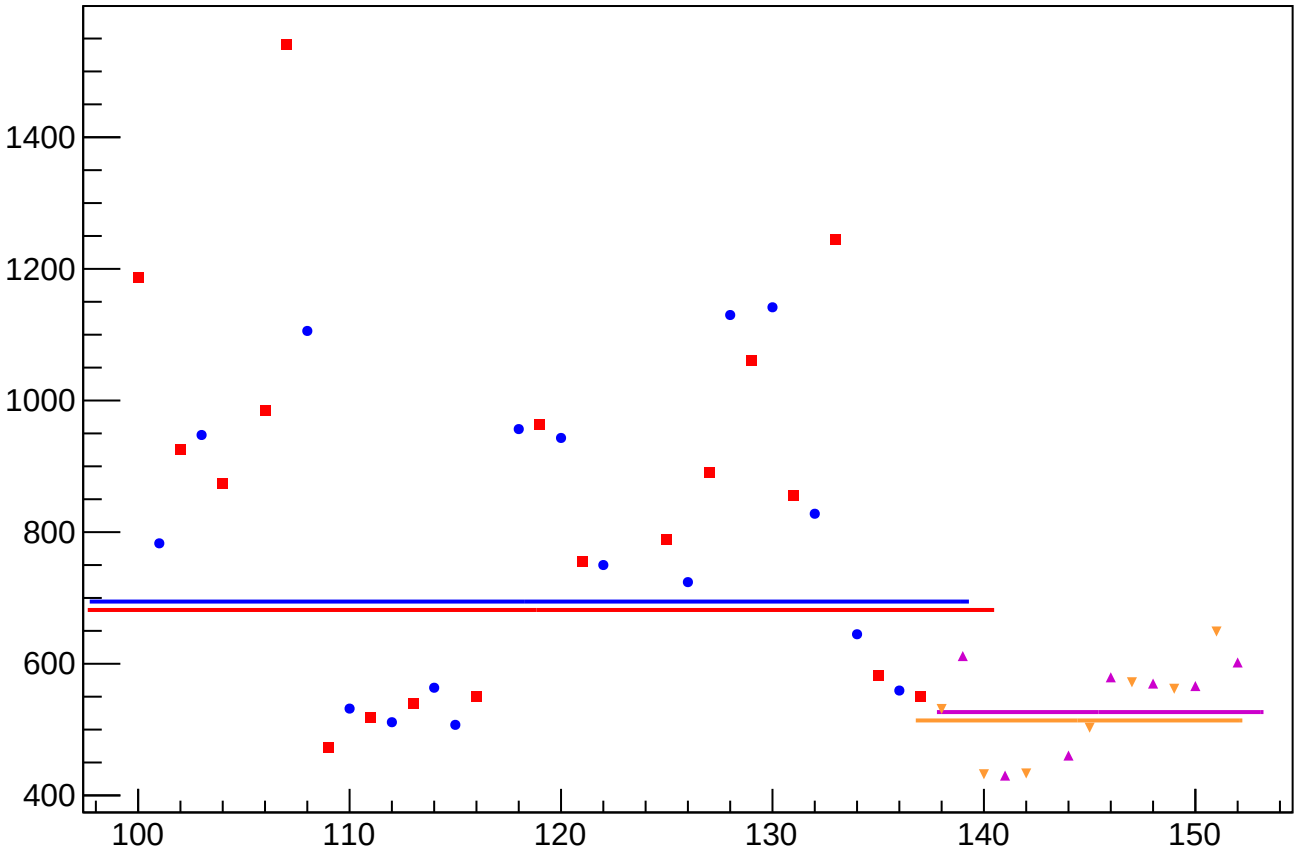
Left: -141.744+/-155.298 χ^2/NDF: 33.1/13

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

In: -64.558+/-167.990 χ^2/NDF:33.0/22

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

All: -45.792+/-119.985 χ^2/NDF: 74.9/47



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: 526.611+/-0.152 χ^2/NDF:218313.6/6

Left: 520.525+/-0.110 χ^2/NDF: 415474.7/13

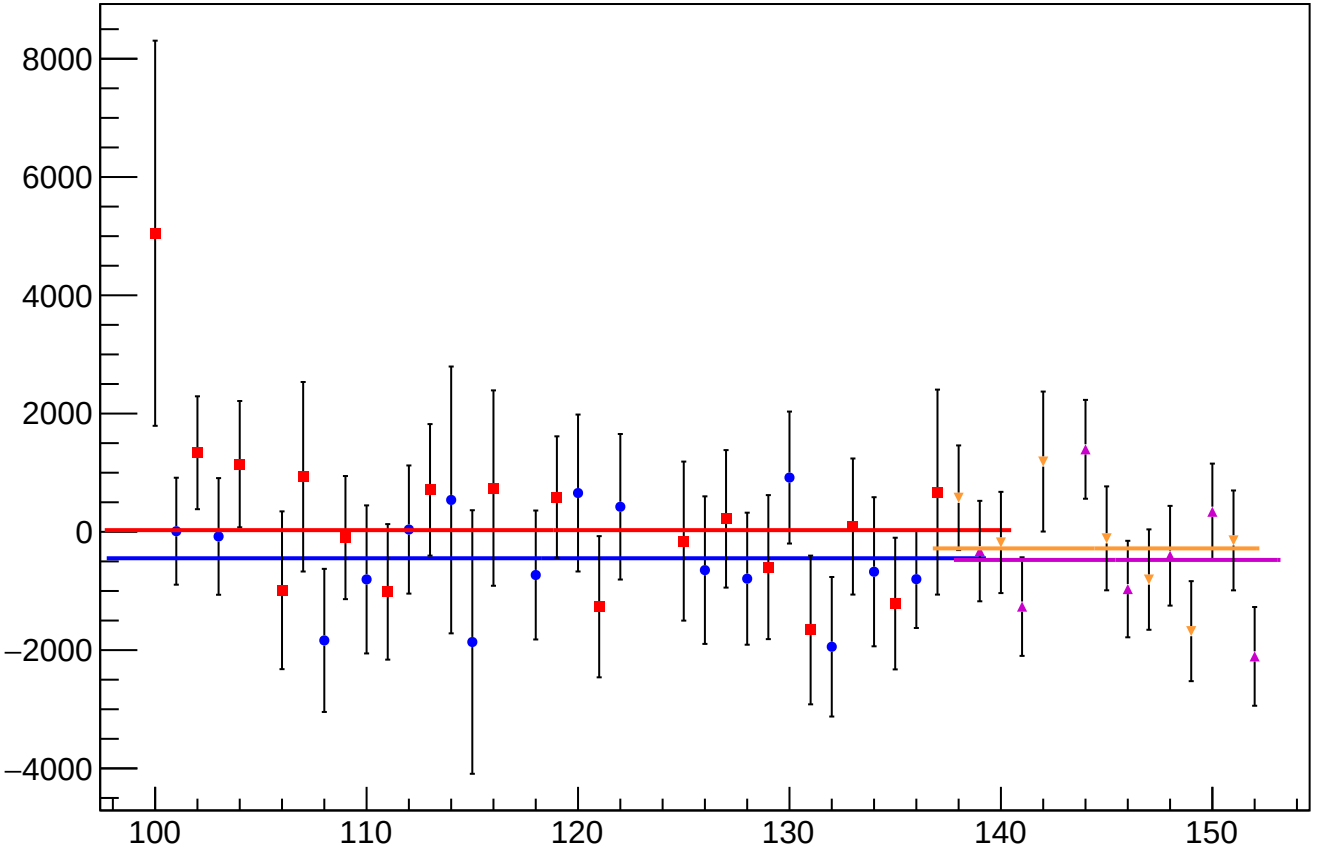
Right: 688.036+/-0.134 χ^2/NDF: 2343492.9/33

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

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

All: 588.044+/-0.085 χ^2/NDF: 3696886.6/47

eigen_dit_asym_us_dd_mean vs Slug, Sign Corrected



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: -474.972+/-314.498 χ^2/NDF:11.1/6

Left: -384.019+/-229.719 χ^2/NDF: 17.0/13

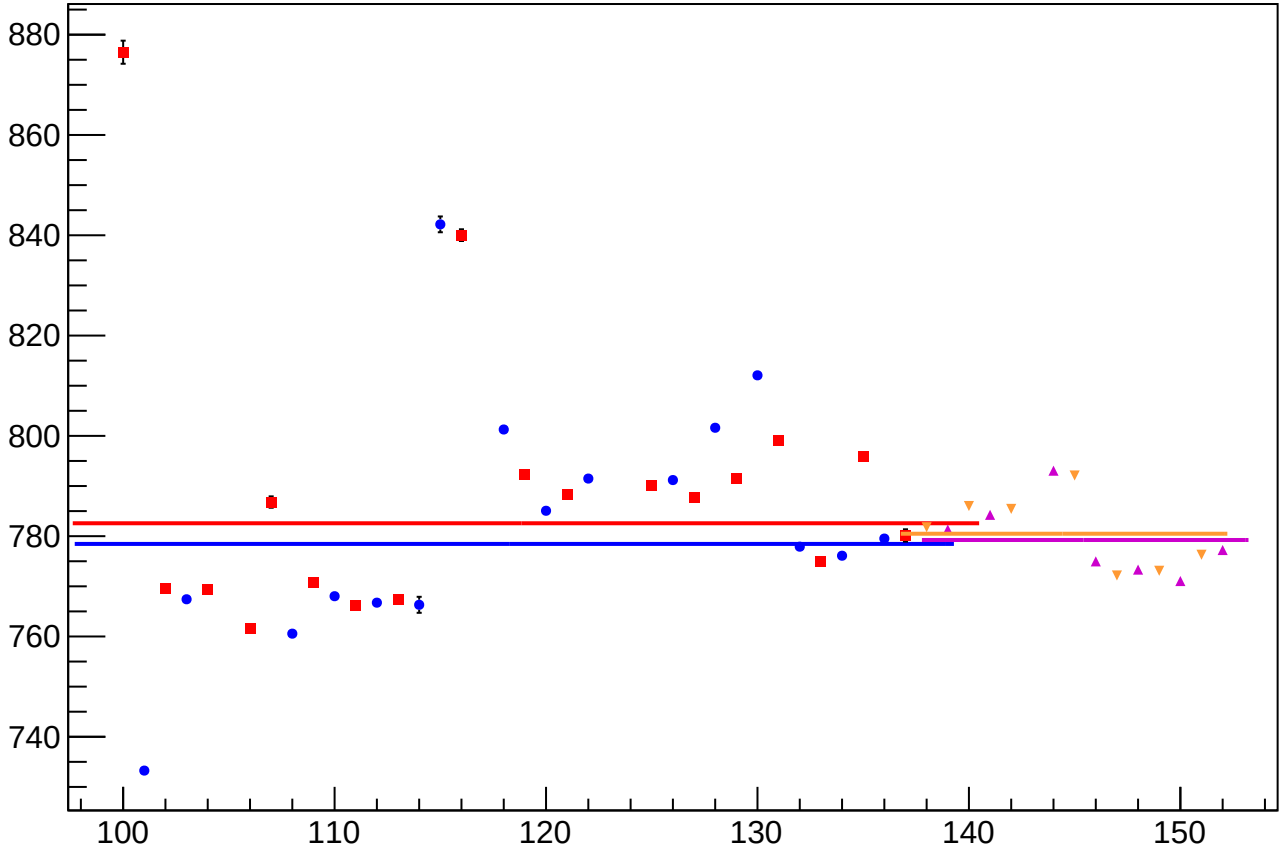
Right: -208.224+/-204.216 χ^2/NDF: 21.3/33

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

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

All: -285.825+/-152.626 χ^2/NDF: 38.6/47

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: 779.238+/-0.222 χ^2/NDF:997.8/6

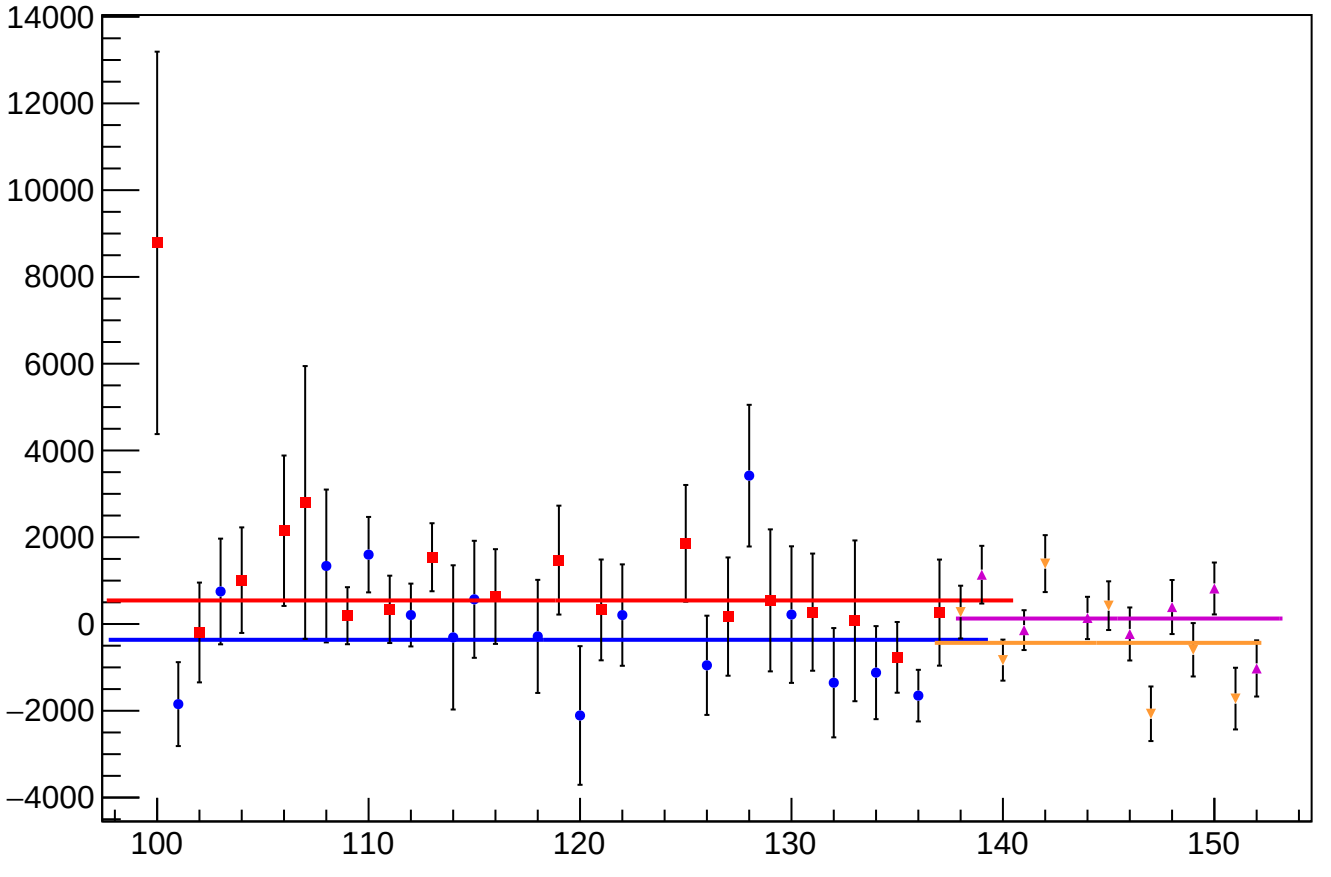
Left: 779.821+/-0.162 χ^2/NDF: 1878.5/13

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

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

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

All: 780.212+/-0.108 χ^2/NDF: 21368.9/47



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: 126.137+/-214.928 χ^2/NDF:7.7/6

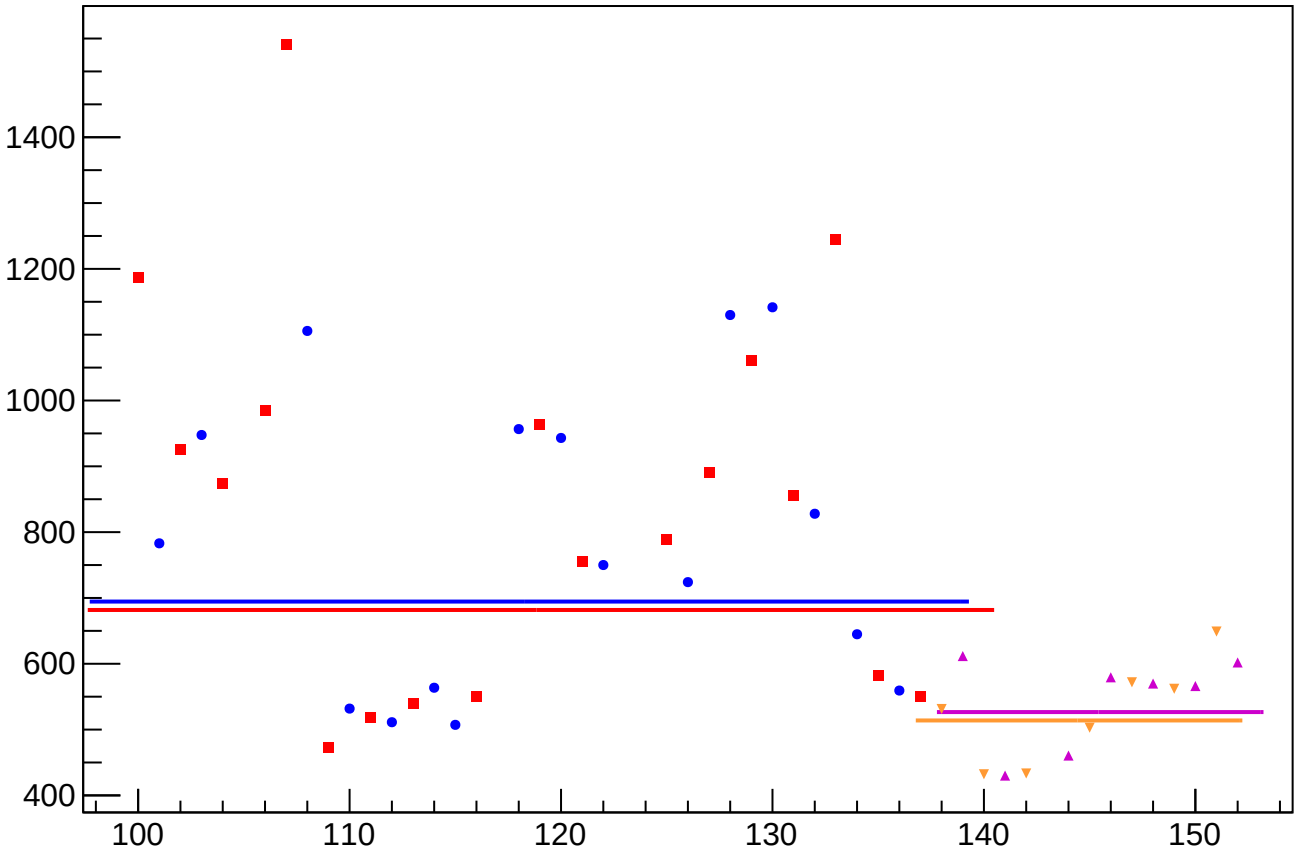
Left: -141.745+/-155.298 χ^2/NDF: 33.1/13

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

In: -64.559+/-167.990 χ^2/NDF:33.0/22

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

All: -45.792+/-119.985 χ^2/NDF: 74.9/47



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: 526.611+/-0.152 χ^2/NDF:218323.5/6

Left: 520.525+/-0.110 χ^2/NDF: 415493.4/13

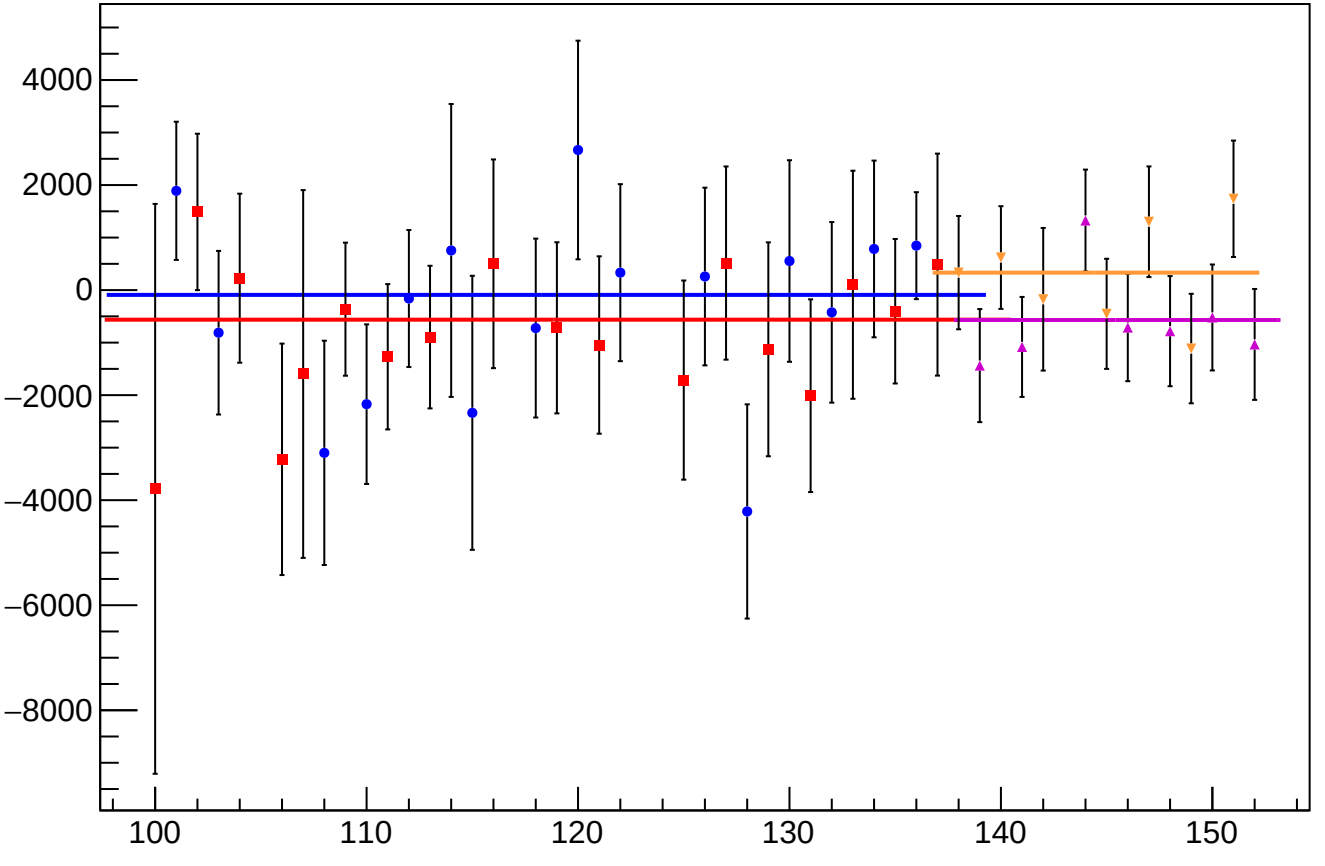
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

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

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

All: 588.043+/-0.085 χ^2/NDF: 3696905.4/47

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: -569.586+/-384.060 χ^2/NDF:5.0/6

Left: -146.421+/-279.814 χ^2/NDF: 12.8/13

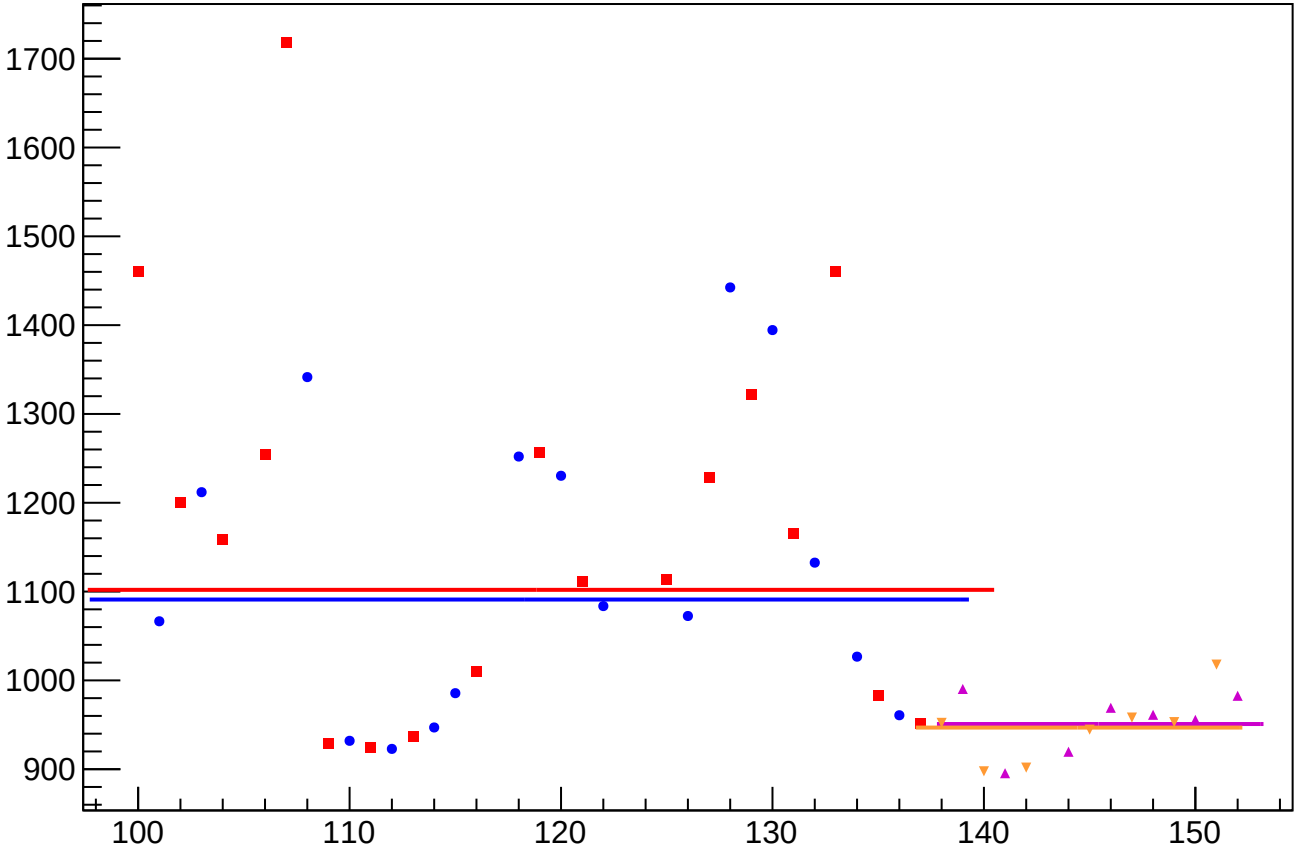
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

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

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

All: -233.042+/-201.514 χ^2/NDF: 34.7/47

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: 950.876+/-0.272 χ^2/NDF:14232.2/6

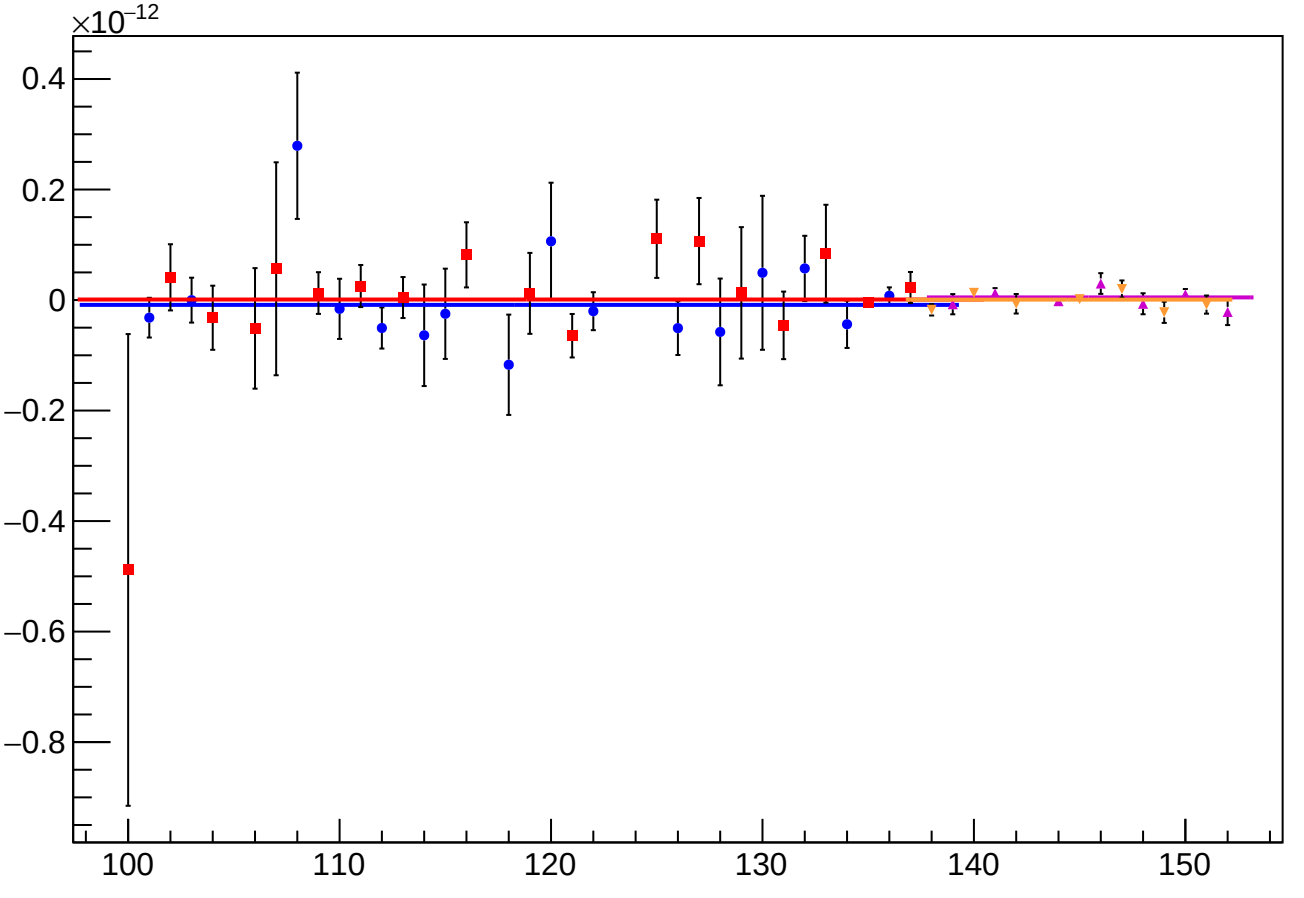
Left: 948.996+/-0.198 χ^2/NDF: 30155.5/13

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

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

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

All: 1019.986+/-0.142 χ^2/NDF: 903708.6/47



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:5.5/6

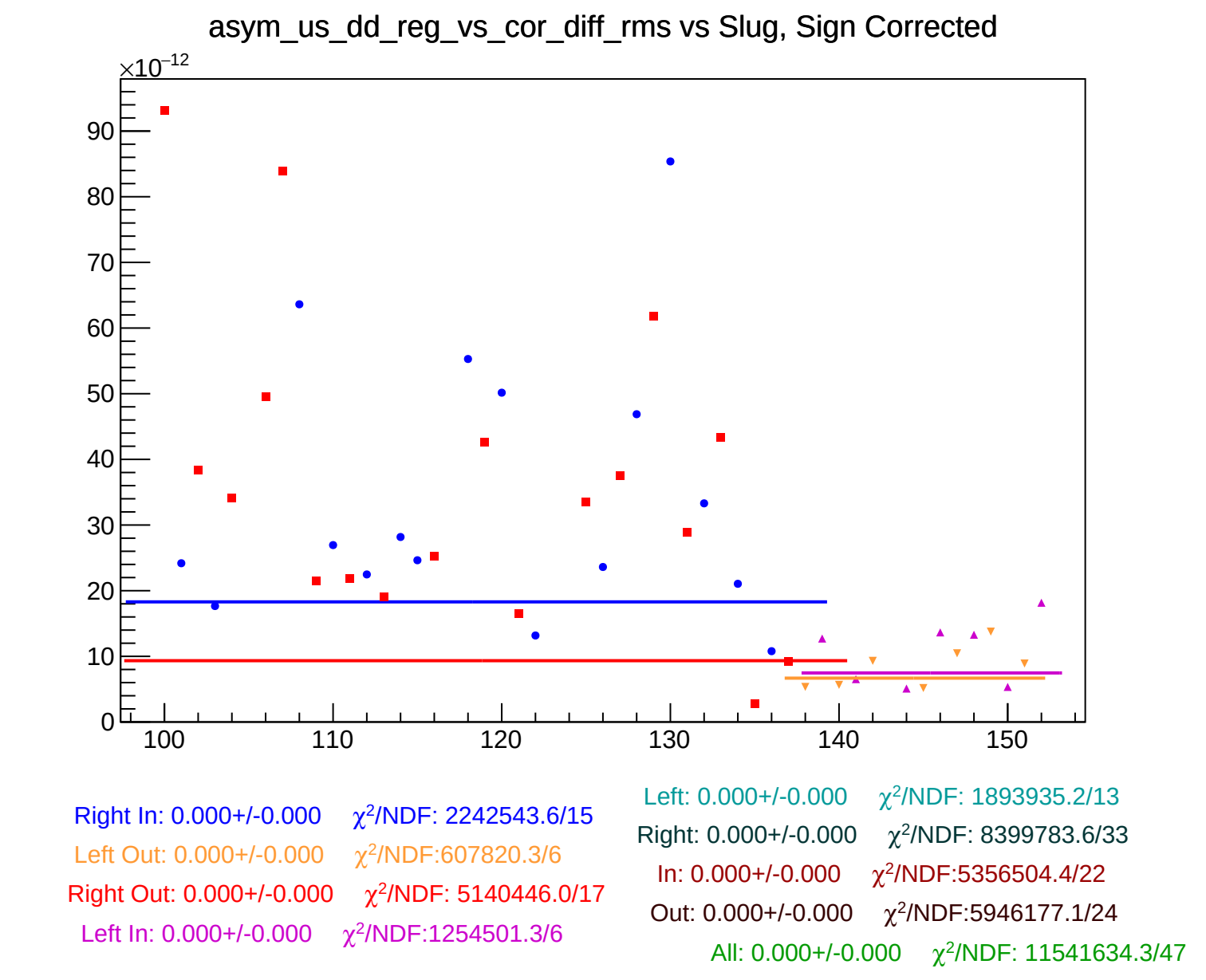
Left: 0.000+/-0.000 χ^2/NDF: 15.0/13

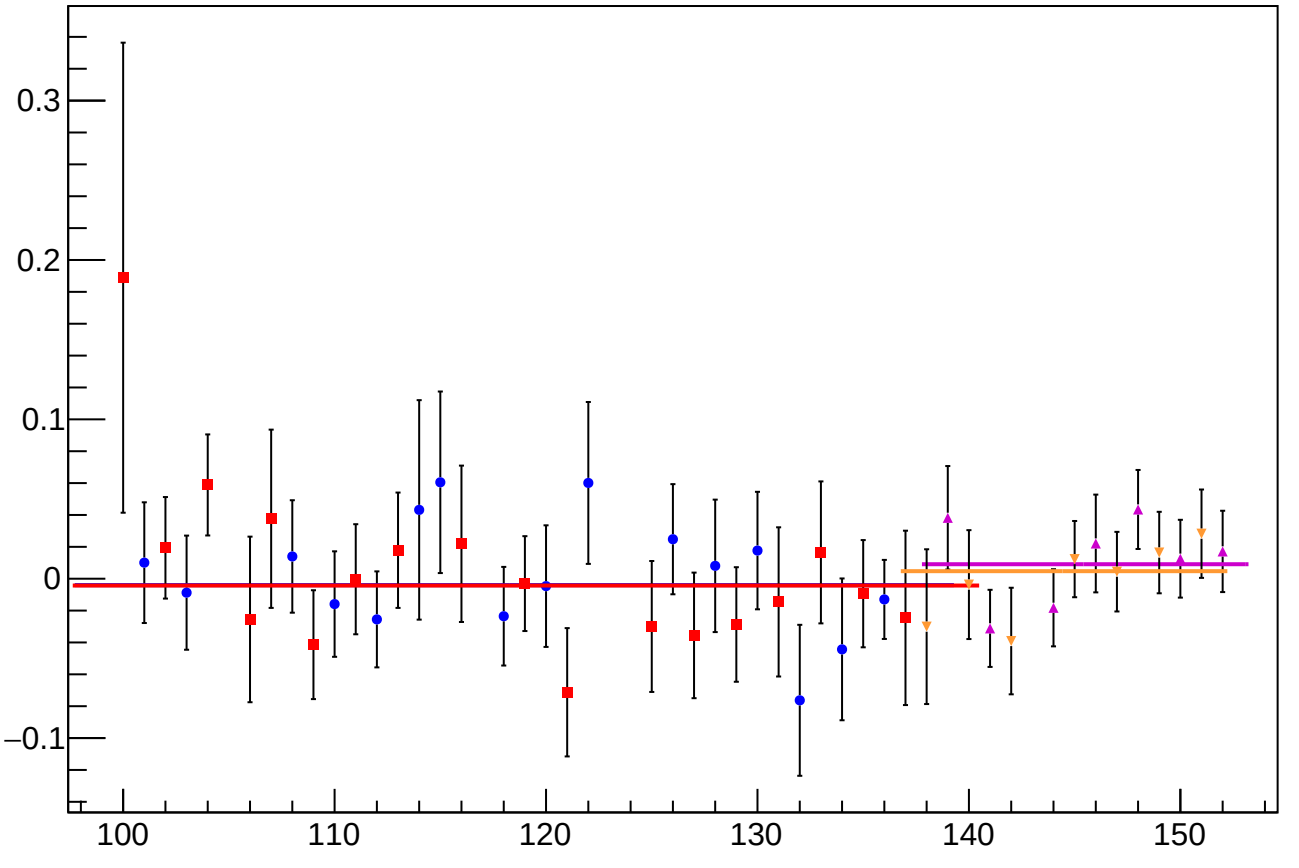
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:20.7/22

Out: 0.000+/-0.000 χ^2/NDF:23.5/24

All: 0.000+/-0.000 χ^2/NDF: 44.3/47


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:1254501.3/6
Left: 0.000+/-0.000 χ²/NDF: 1893935.2/13
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:5356504.4/22
Out: 0.000+/-0.000 χ²/NDF:5946177.1/24
All: 0.000+/-0.000 χ²/NDF: 11541634.3/47



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: 0.009+/-0.010 χ^2/NDF:7.1/6

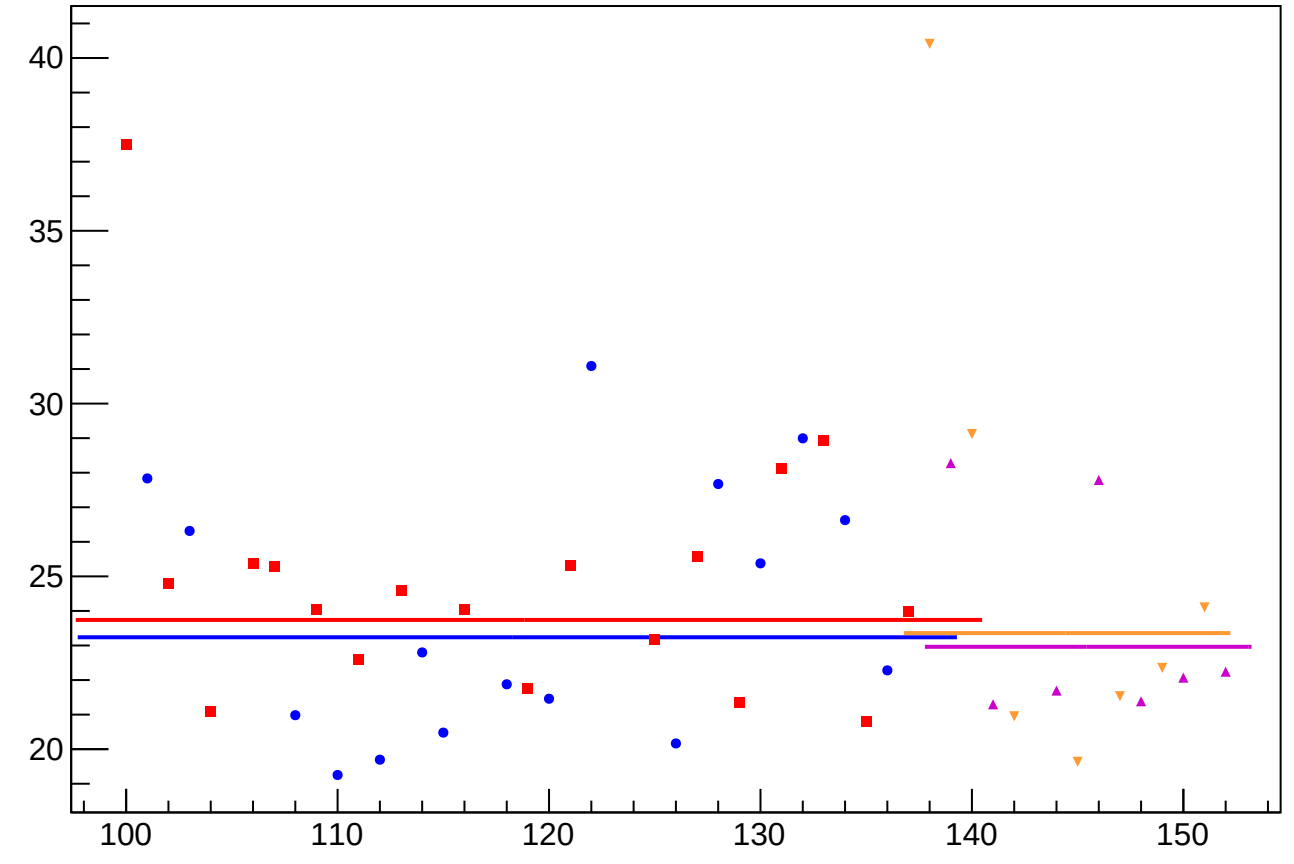
Left: 0.007+/-0.007 χ^2/NDF: 10.5/13

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

In: 0.002+/-0.007 χ^2/NDF:17.2/22

Out: -0.000+/-0.007 χ^2/NDF:17.2/24

All: 0.001+/-0.005 χ^2/NDF: 34.5/47



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: 22.962+/-0.007 χ^2/NDF:130370.6/6

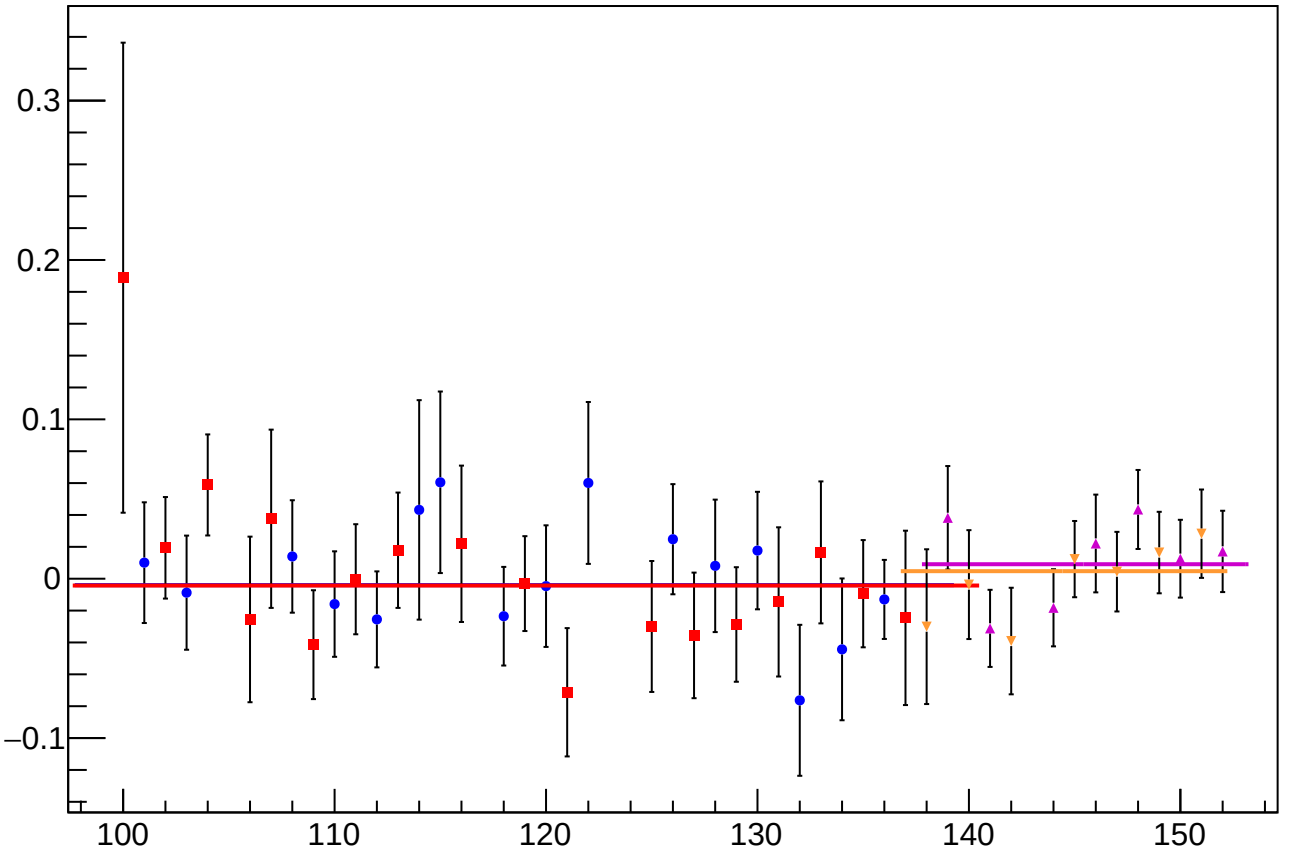
Left: 23.140+/-0.005 χ^2/NDF: 509272.8/13

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

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

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

All: 23.333+/-0.003 χ^2/NDF: 900106.6/47



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: 0.009+/-0.010 χ^2/NDF:7.1/6

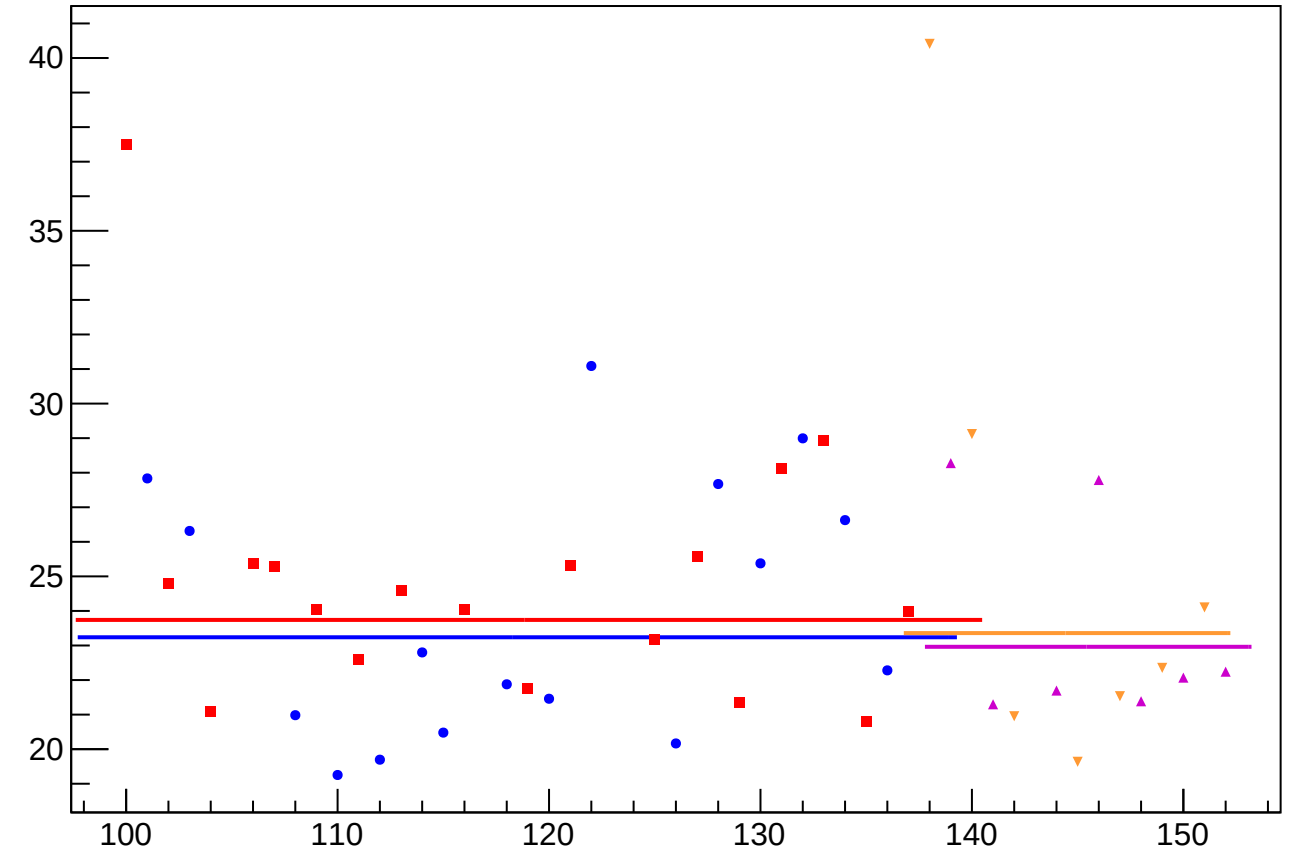
Left: 0.007+/-0.007 χ^2/NDF: 10.5/13

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

In: 0.002+/-0.007 χ^2/NDF:17.2/22

Out: -0.000+/-0.007 χ^2/NDF:17.2/24

All: 0.001+/-0.005 χ^2/NDF: 34.5/47



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: 22.962+/-0.007 χ^2/NDF:130370.6/6

Left: 23.140+/-0.005 χ^2/NDF: 509272.8/13

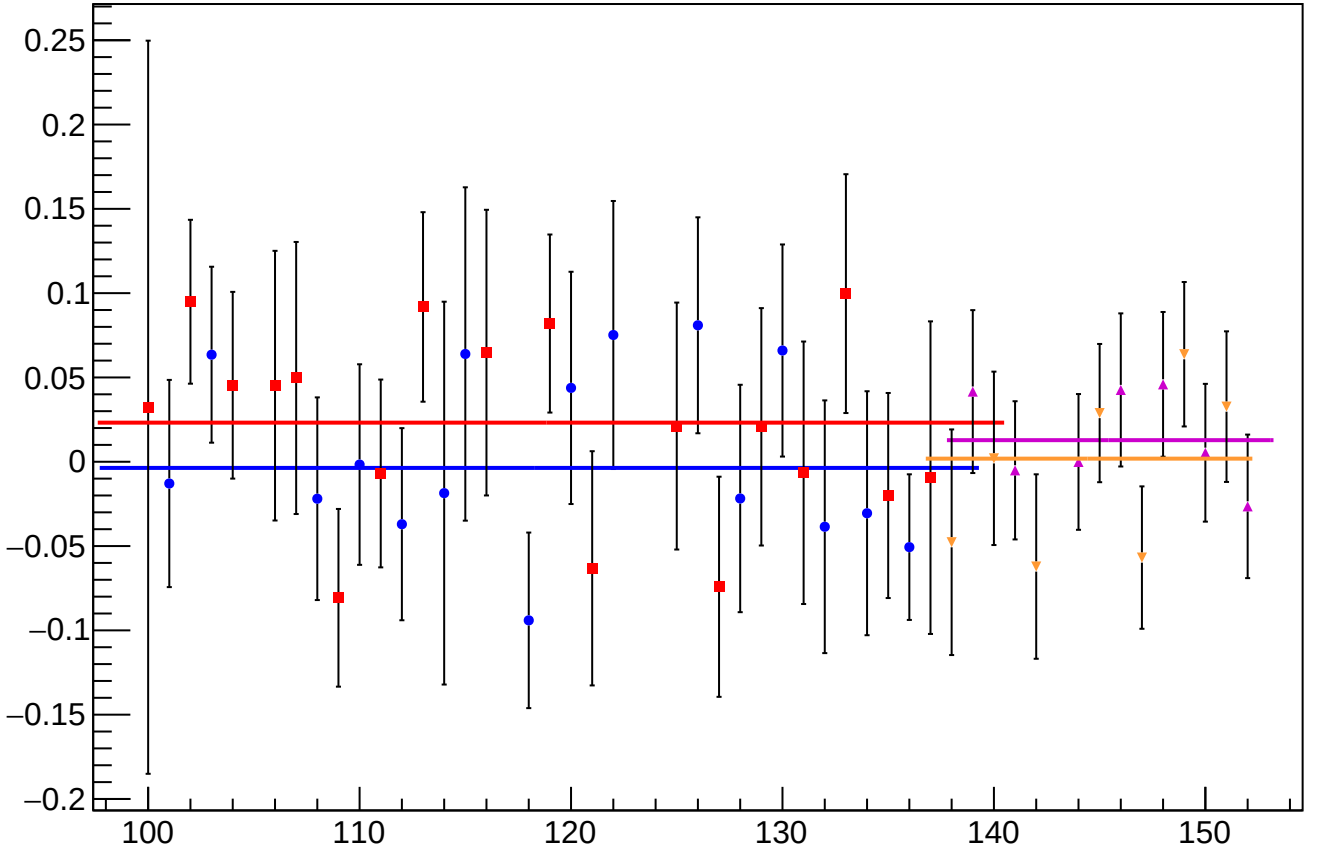
Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

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

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

All: 23.333+/-0.003 χ^2/NDF: 900106.6/47

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: 0.013+/-0.016 χ^2/NDF:2.6/6

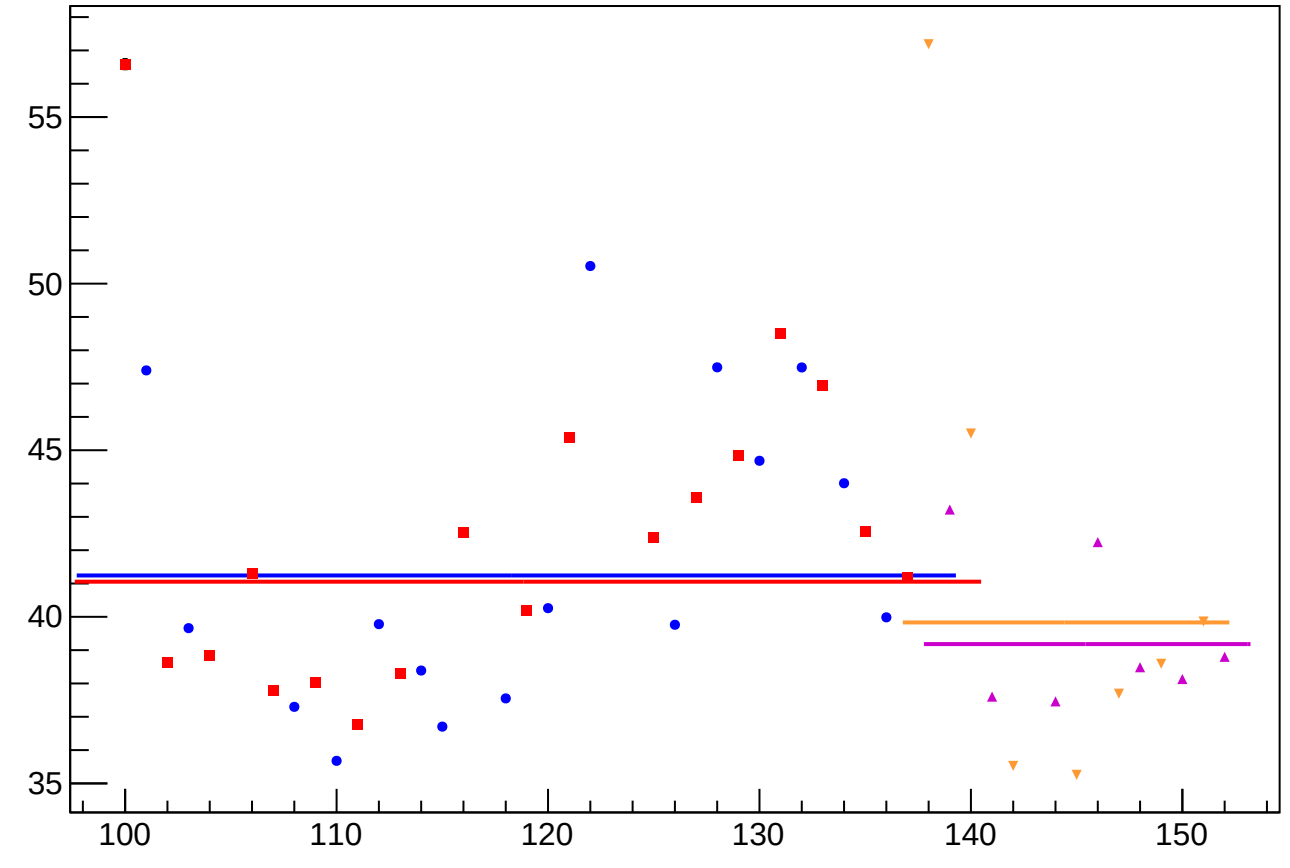
Left: 0.008+/-0.012 χ^2/NDF: 9.6/13

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.004+/-0.011 χ^2/NDF:14.7/22

Out: 0.014+/-0.012 χ^2/NDF:23.1/24

All: 0.009+/-0.008 χ^2/NDF: 38.1/47



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: 39.182+/-0.011 χ^2/NDF:31669.4/6

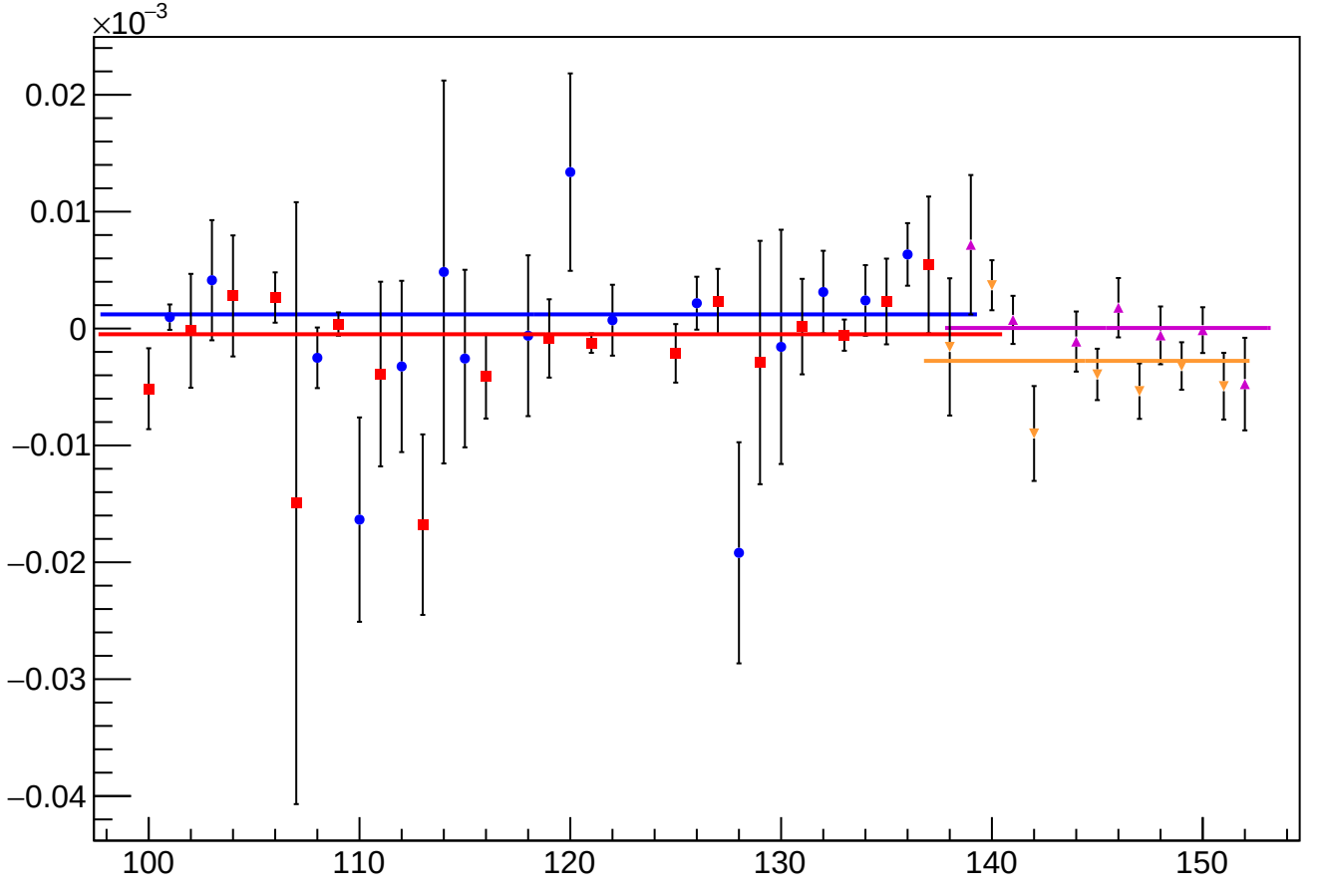
Left: 39.475+/-0.008 χ^2/NDF: 236081.6/13

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

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

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

All: 40.379+/-0.006 χ^2/NDF: 489110.1/47



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:3.7/6

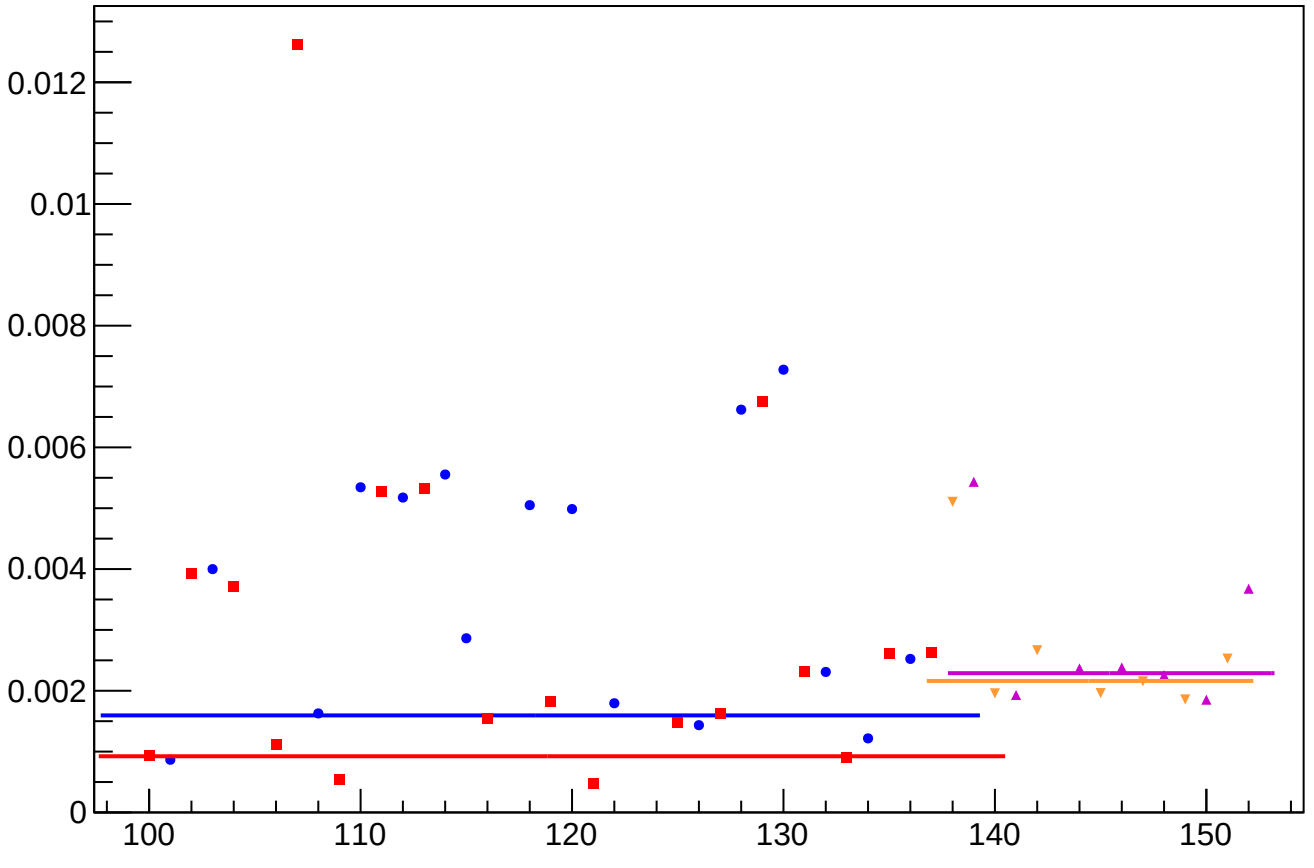
Left: -0.000+/-0.000 χ^2/NDF: 21.6/13

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:23.0/22

Out: -0.000+/-0.000 χ^2/NDF:32.9/24

All: -0.000+/-0.000 χ^2/NDF: 61.4/47



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:965957.0/6

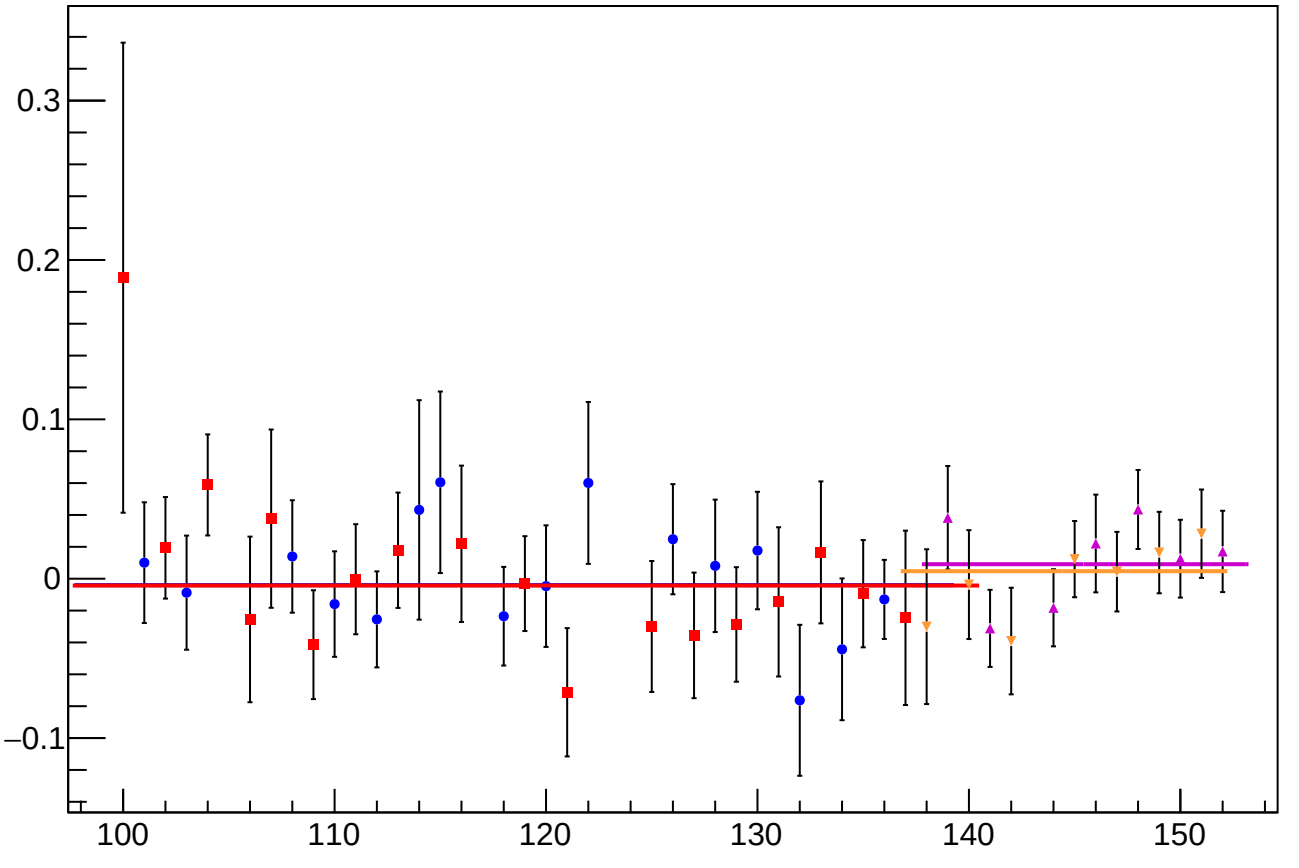
Left: 0.002+/-0.000 χ^2/NDF: 1629236.0/13

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

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

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

All: 0.001+/-0.000 χ^2/NDF: 17018812.0/47



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: 0.009+/-0.010 χ^2/NDF:7.1/6

Left: 0.007+/-0.007 χ^2/NDF: 10.5/13

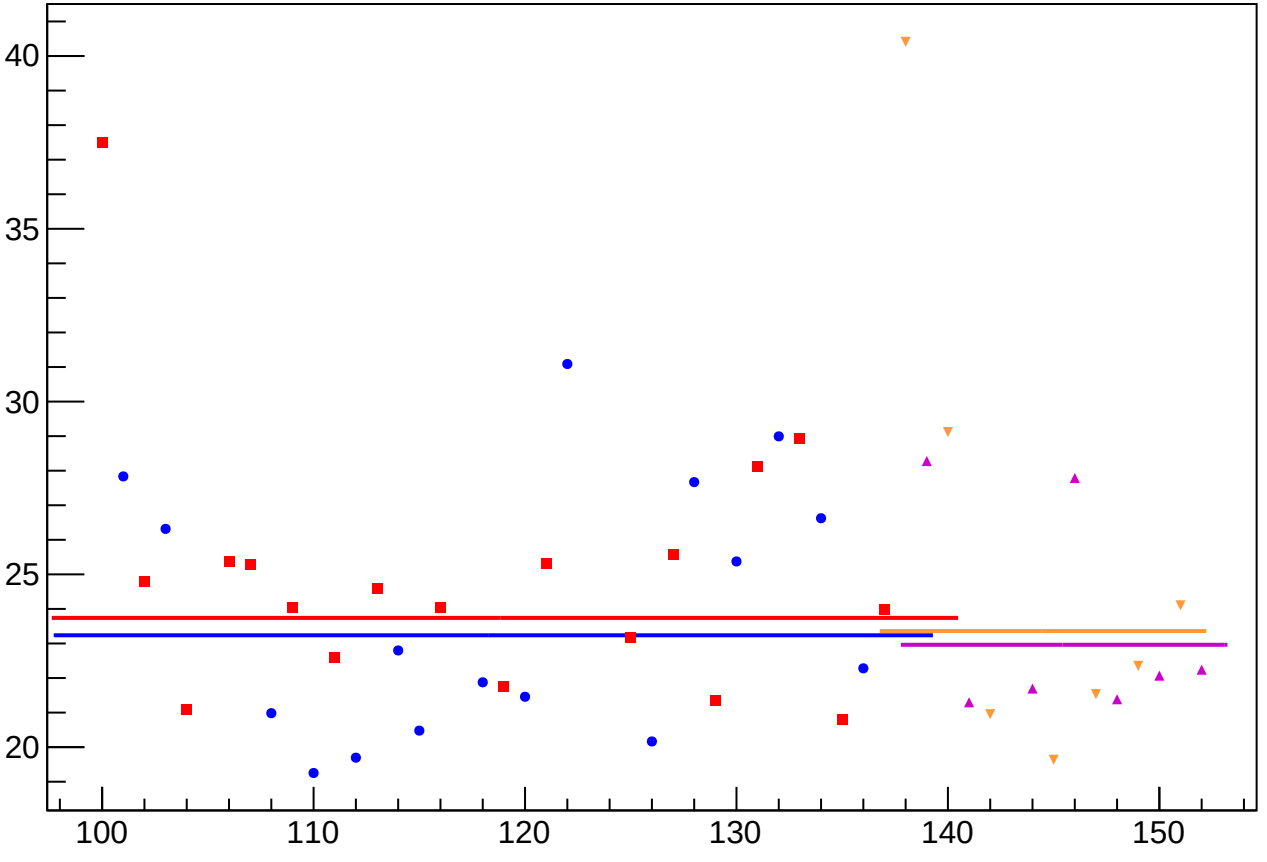
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: 0.002+/-0.007 χ^2/NDF:17.2/22

Out: -0.000+/-0.007 χ^2/NDF:17.2/24

All: 0.001+/-0.005 χ^2/NDF: 34.5/47

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

Left: 23.141+/-0.005 χ^2/NDF: 509282.9/13

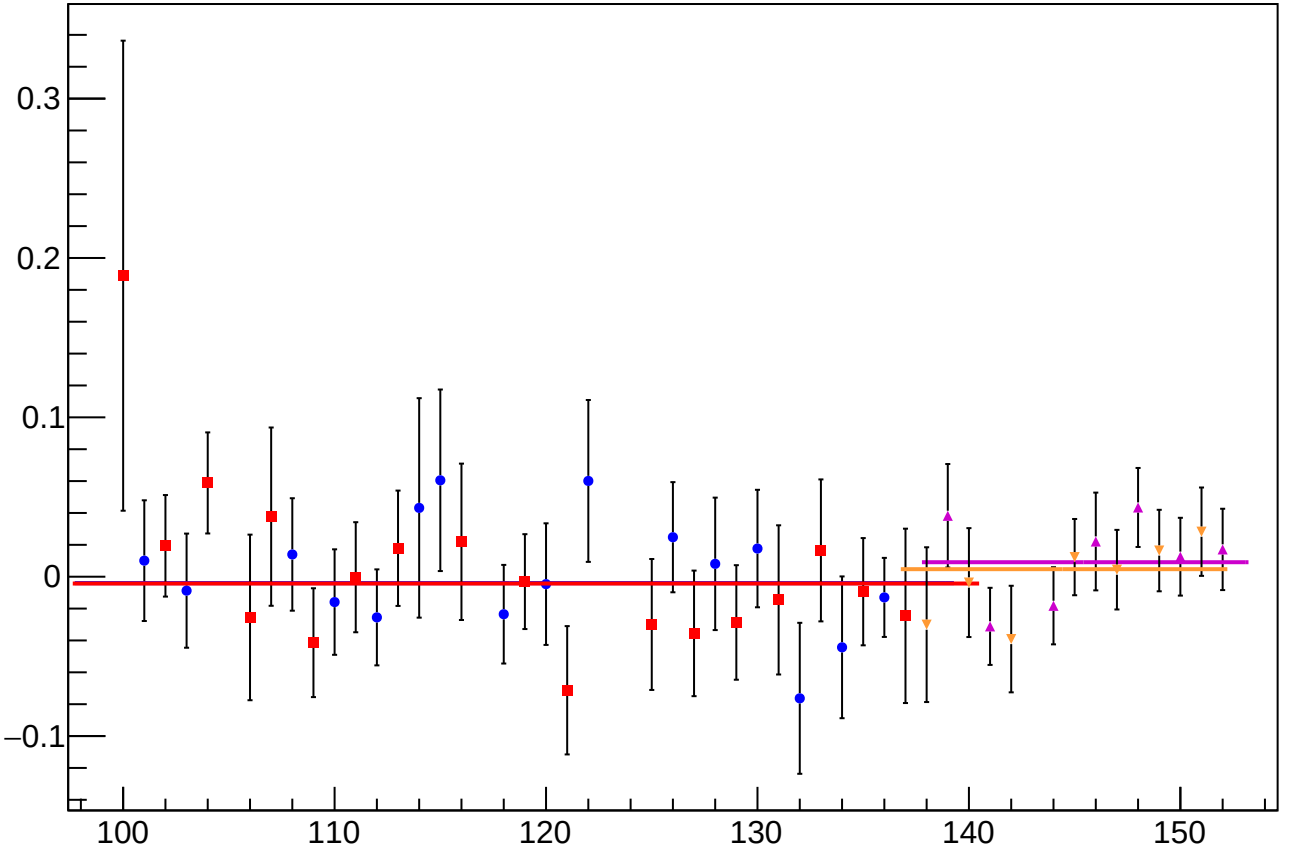
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

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

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

All: 23.333+/-0.003 χ^2/NDF: 900061.0/47

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.005+/-0.011 χ^2/NDF:3.3/6

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

Left In: 0.009+/-0.010 χ^2/NDF:7.1/6

Left: 0.007+/-0.007 χ^2/NDF: 10.5/13

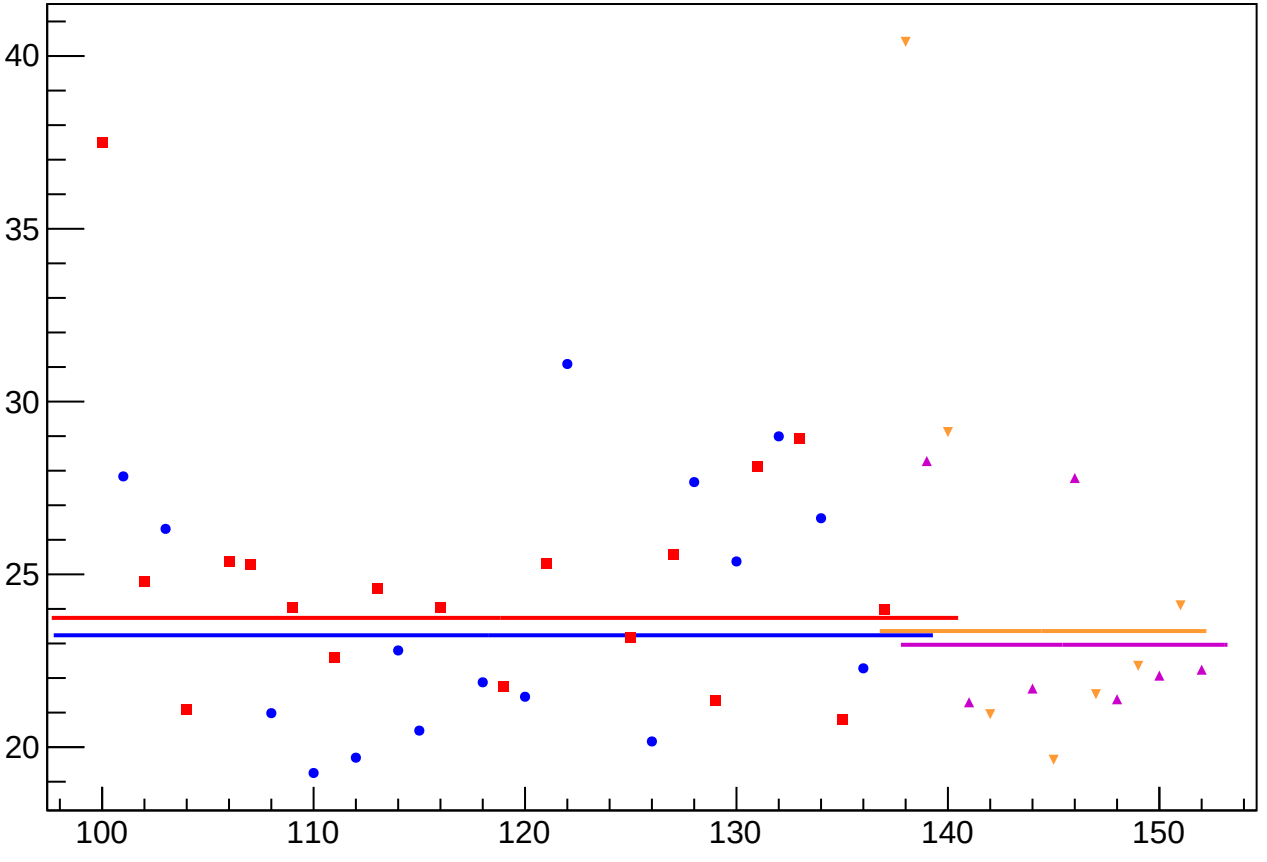
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: 0.002+/-0.007 χ^2/NDF:17.2/22

Out: -0.000+/-0.007 χ^2/NDF:17.2/24

All: 0.001+/-0.005 χ^2/NDF: 34.5/47

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: 22.962+/-0.007 χ^2/NDF:130385.5/6

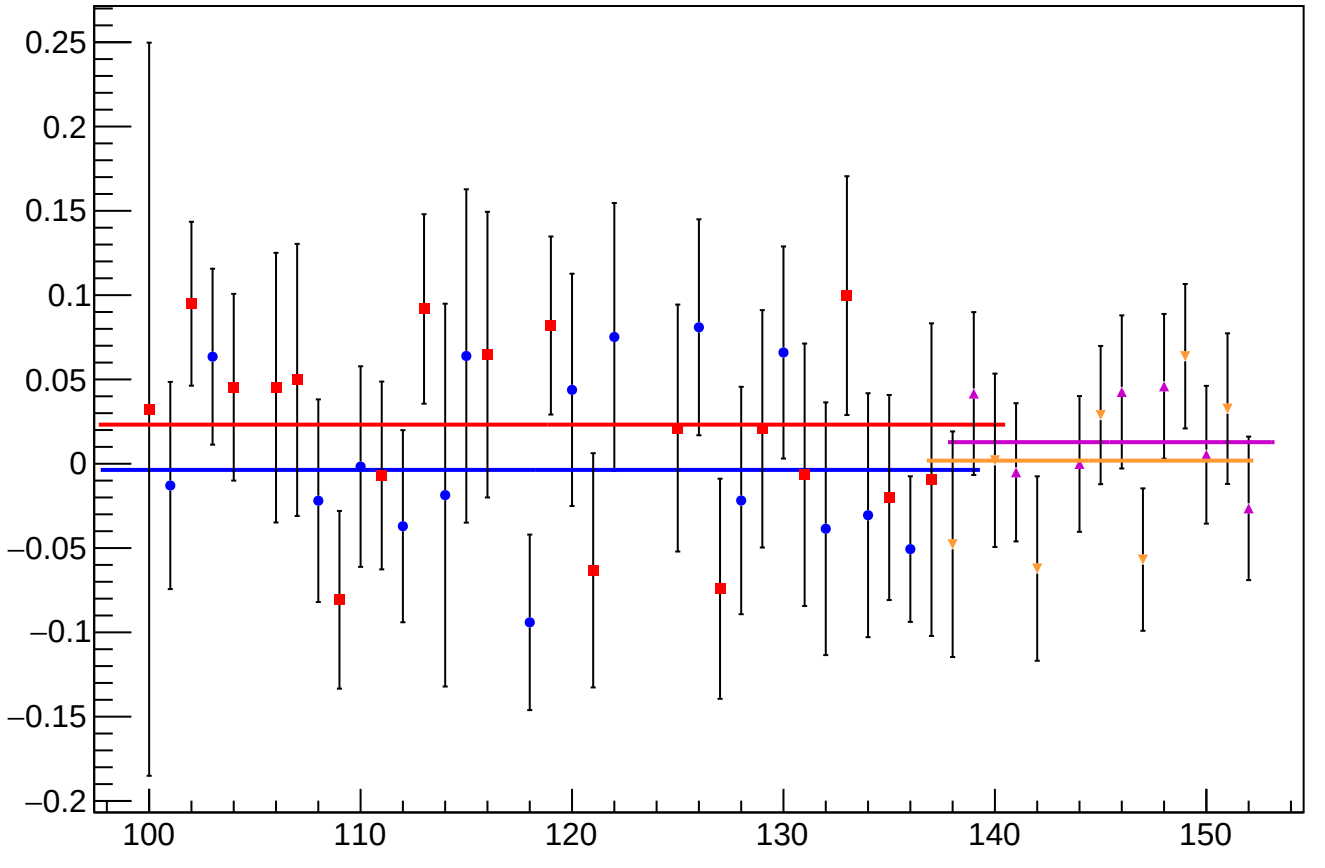
Left: 23.141+/-0.005 χ^2/NDF: 509282.9/13

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

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

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

All: 23.333+/-0.003 χ^2/NDF: 900061.0/47



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: 0.013+/-0.016 χ^2/NDF:2.6/6

Left: 0.008+/-0.012 χ^2/NDF: 9.6/13

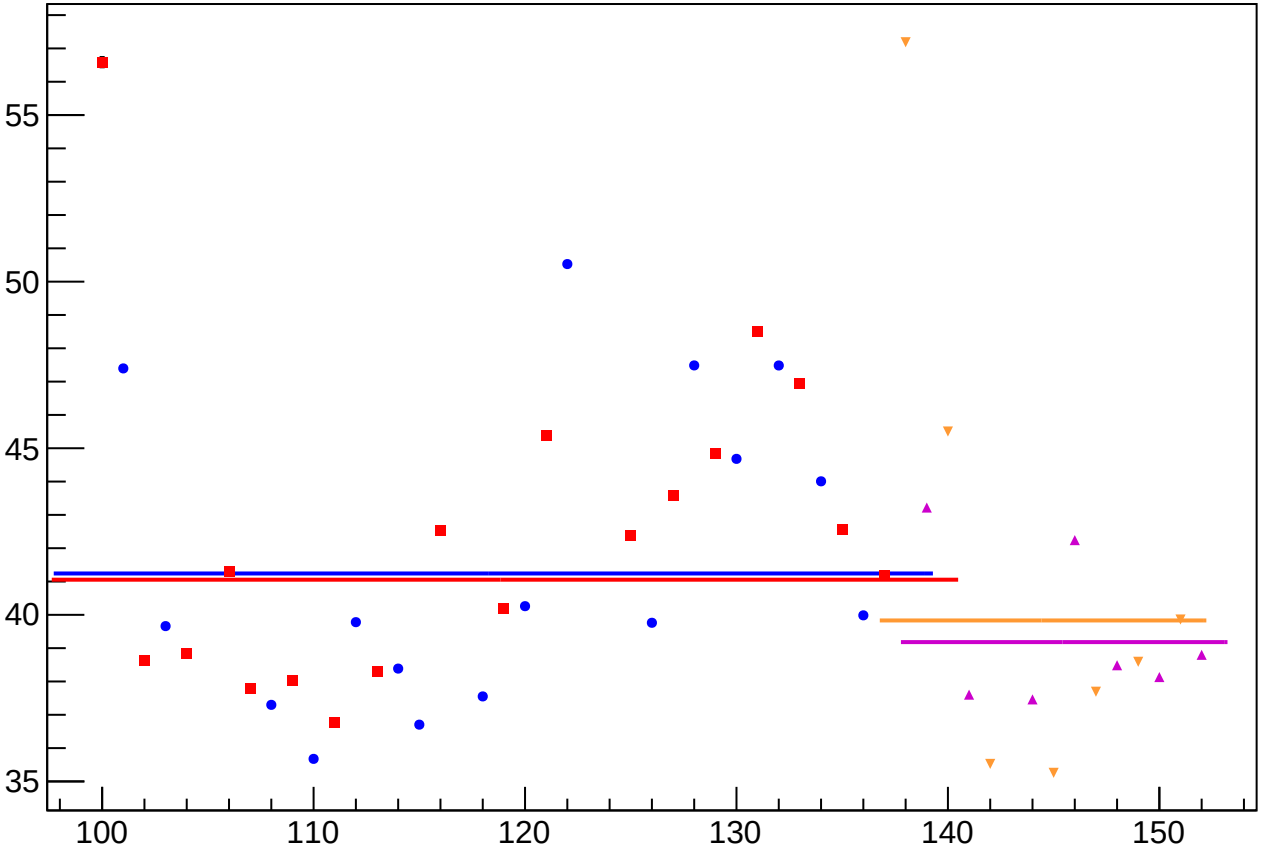
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.004+/-0.011 χ^2/NDF:14.7/22

Out: 0.014+/-0.012 χ^2/NDF:23.1/24

All: 0.009+/-0.008 χ^2/NDF: 38.2/47

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: 39.182+/-0.011 χ^2/NDF:31674.8/6

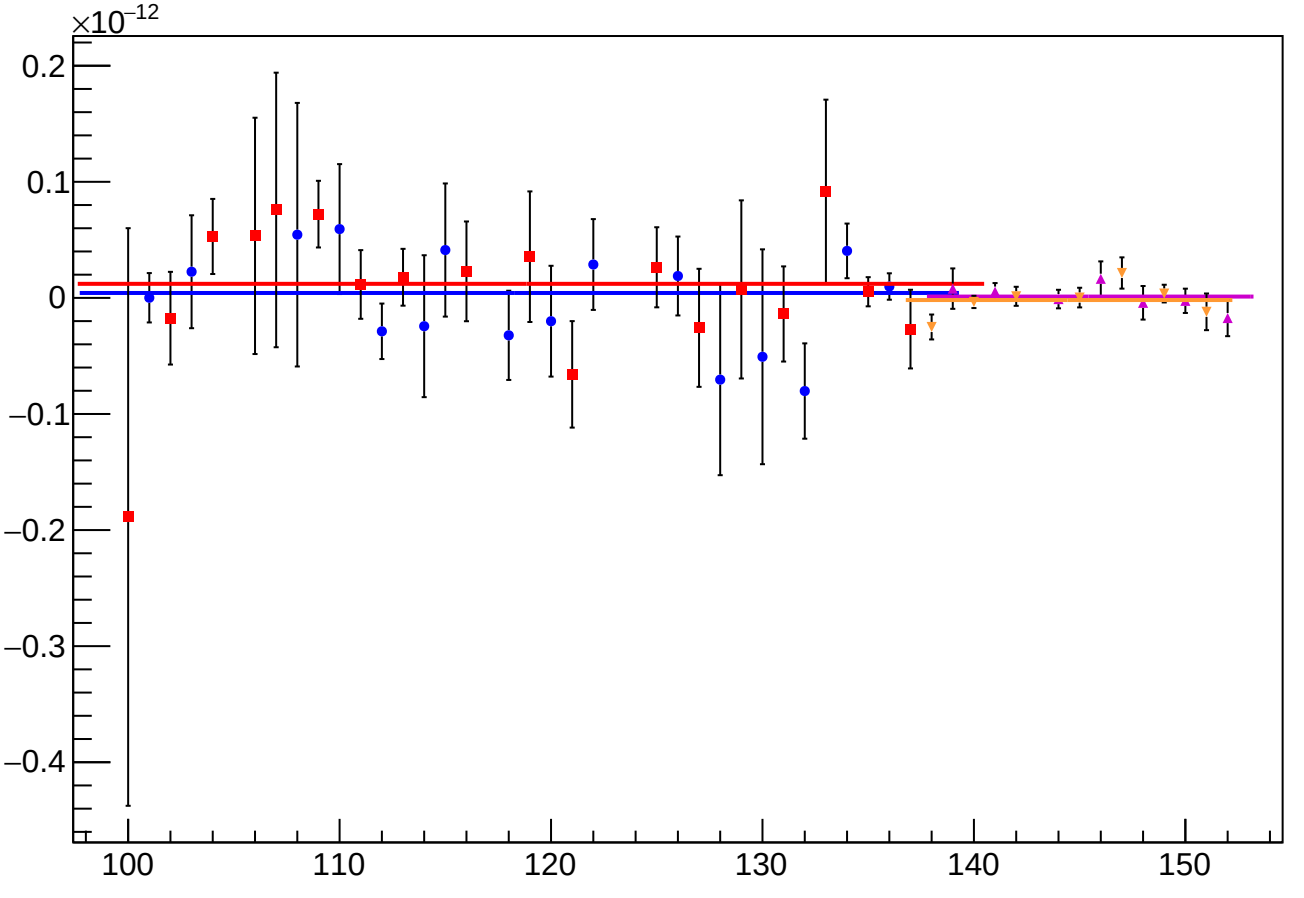
Left: 39.475+/-0.008 χ^2/NDF: 236086.6/13

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

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

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

All: 40.379+/-0.006 χ^2/NDF: 489076.6/47



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:3.3/6

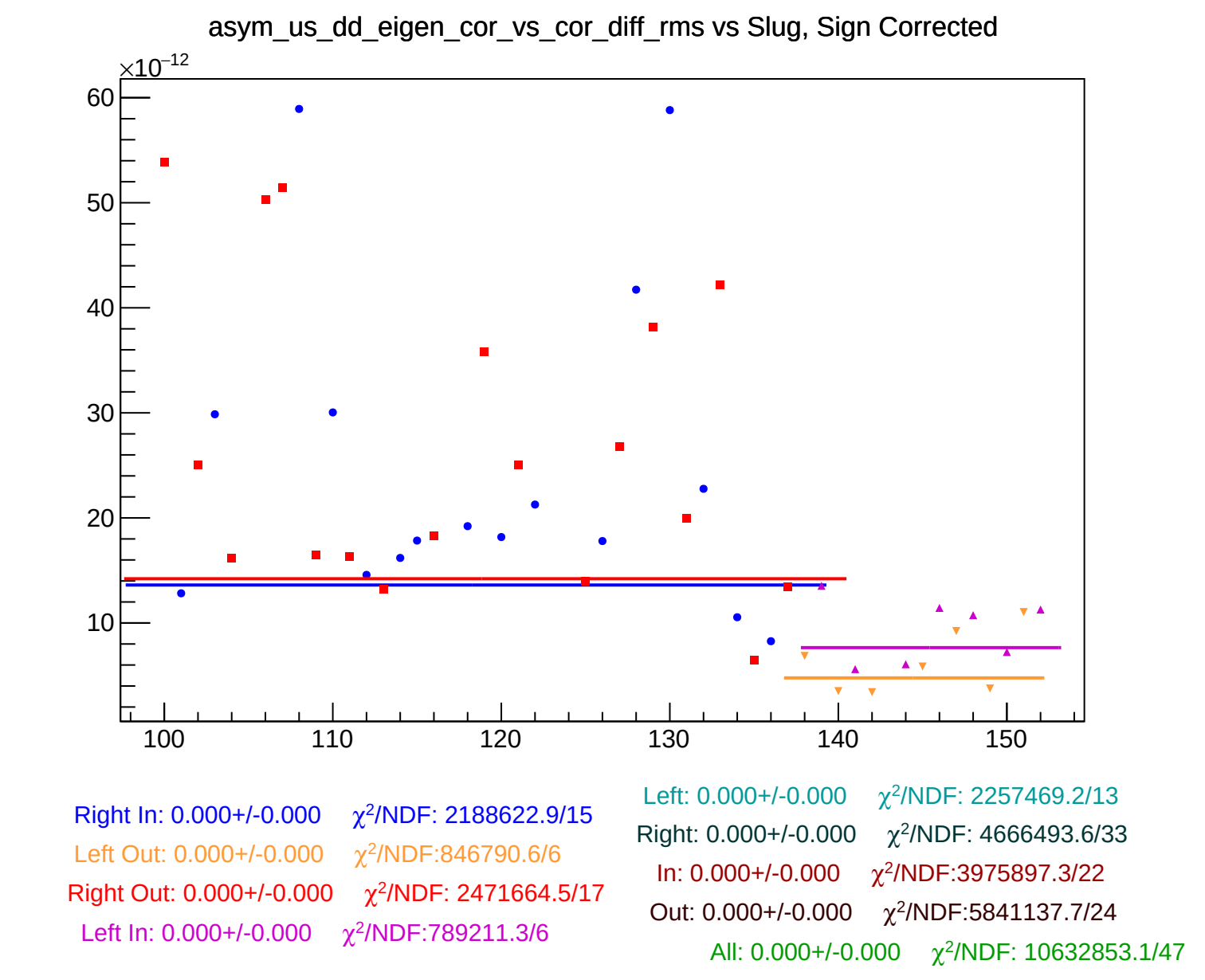
Left: -0.000+/-0.000 χ^2/NDF: 12.5/13

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

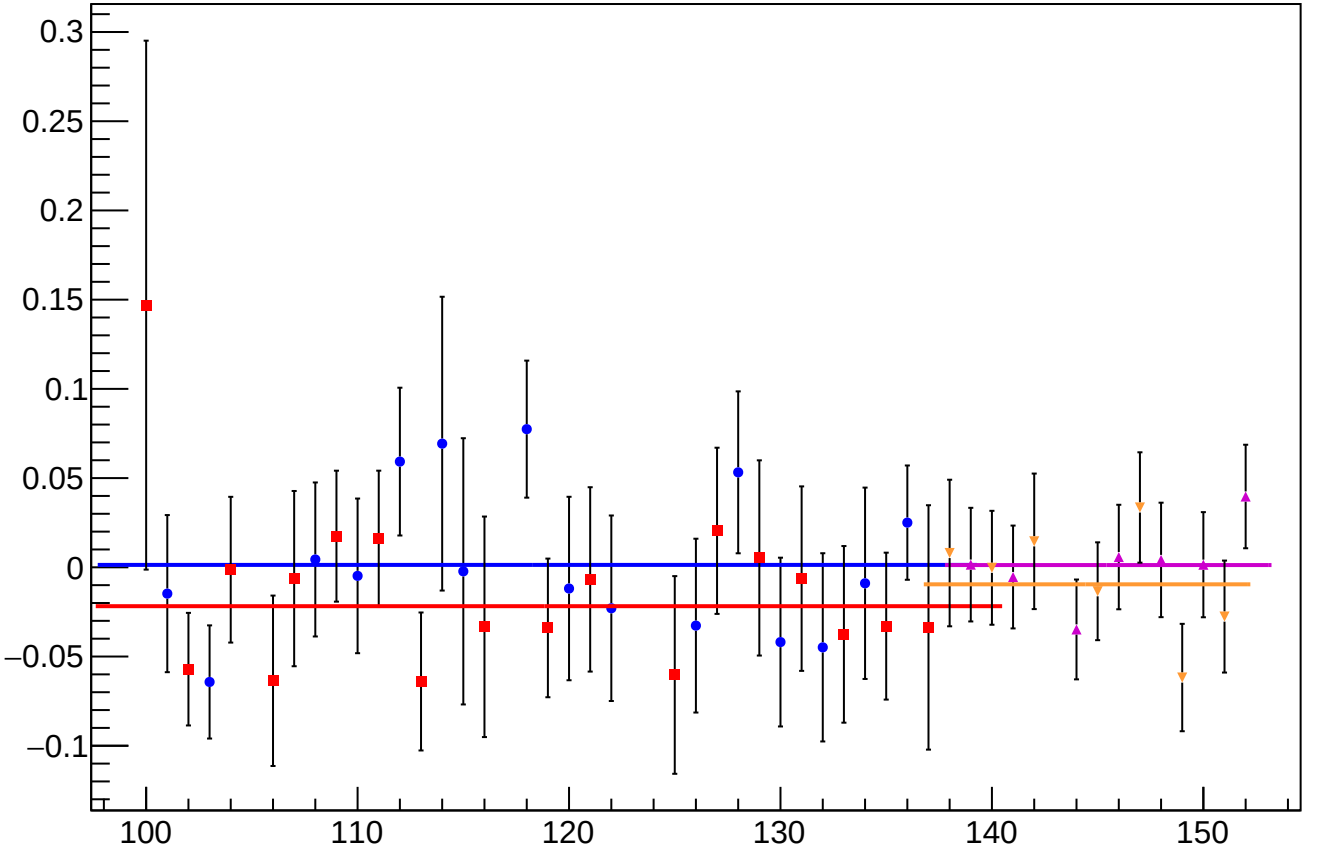
In: 0.000+/-0.000 χ^2/NDF:17.0/22

Out: 0.000+/-0.000 χ^2/NDF:26.2/24

All: 0.000+/-0.000 χ^2/NDF: 43.4/47


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:789211.3/6
Left: 0.000+/-0.000 χ²/NDF: 2257469.2/13
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:3975897.3/22
Out: 0.000+/-0.000 χ²/NDF:5841137.7/24
All: 0.000+/-0.000 χ²/NDF: 10632853.1/47

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: 0.001+/-0.011 χ^2/NDF:3.5/6

Left: -0.004+/-0.008 χ^2/NDF: 9.9/13

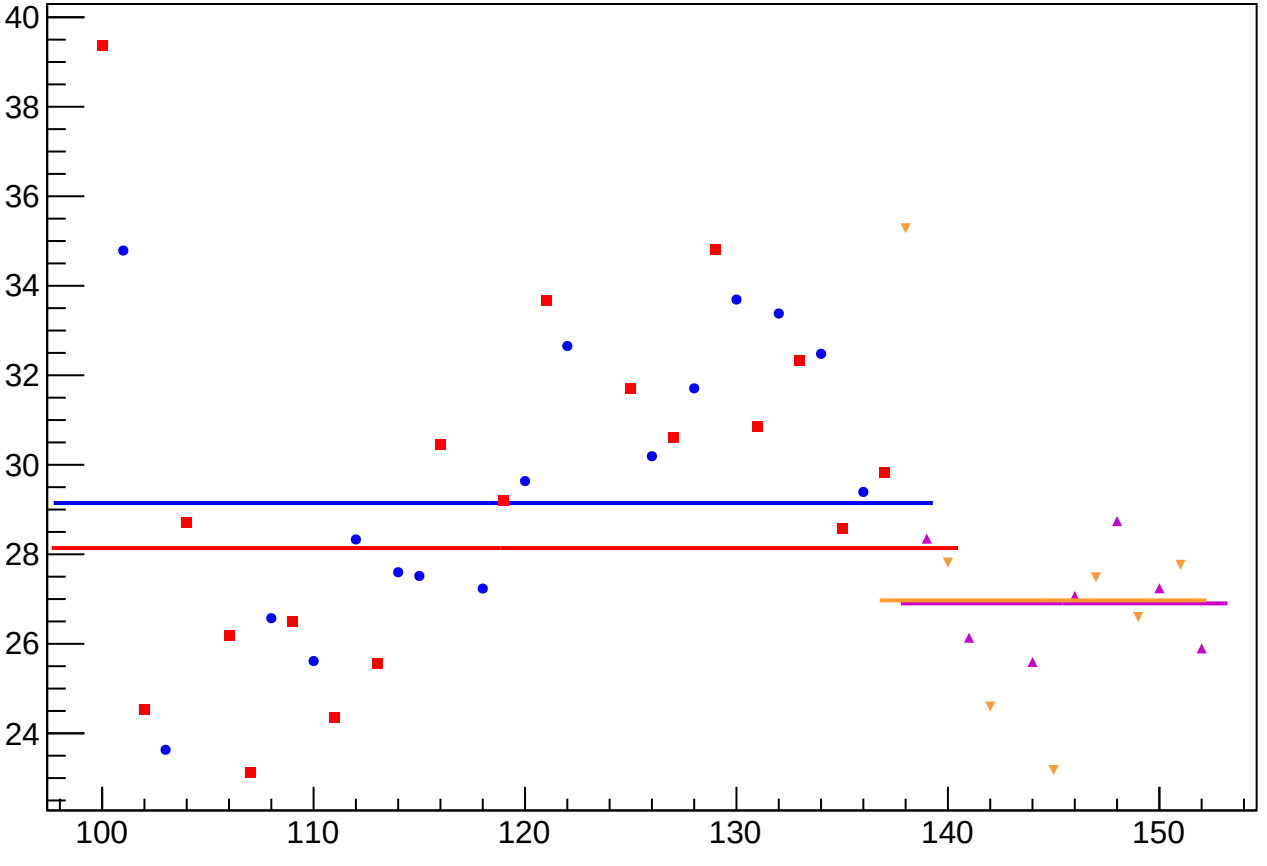
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.001+/-0.008 χ^2/NDF:18.8/22

Out: -0.016+/-0.008 χ^2/NDF:15.6/24

All: -0.007+/-0.006 χ^2/NDF: 36.8/47

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: 26.904+/-0.008 χ^2/NDF:19239.5/6

Left: 26.935+/-0.006 χ^2/NDF: 150811.8/13

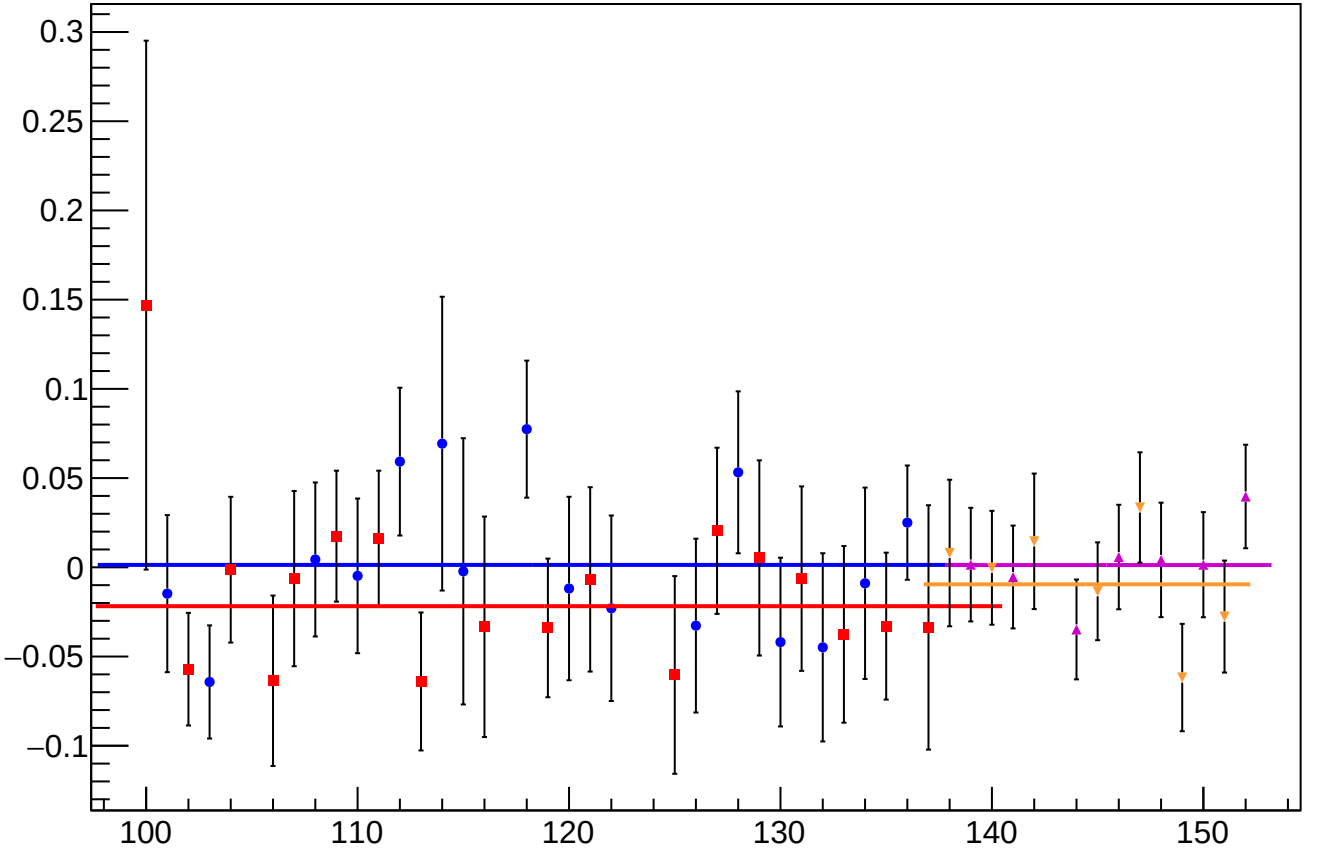
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

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

All: 27.829+/-0.004 χ^2/NDF: 567580.6/47

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: 0.001+/-0.011 χ^2/NDF:3.5/6

Left: -0.004+/-0.008 χ^2/NDF: 9.9/13

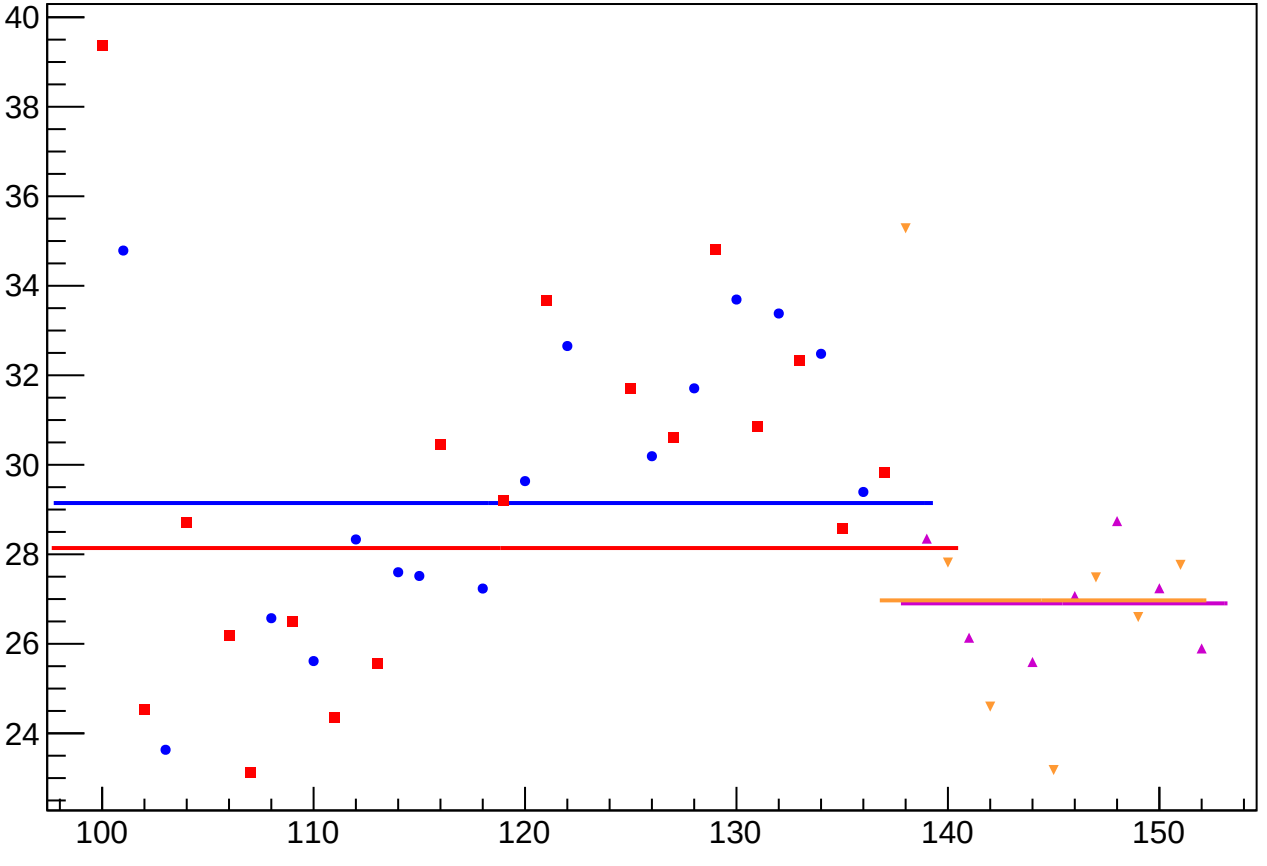
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.001+/-0.008 χ^2/NDF:18.8/22

Out: -0.016+/-0.008 χ^2/NDF:15.6/24

All: -0.007+/-0.006 χ^2/NDF: 36.8/47

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: 26.904+/-0.008 χ^2/NDF:19239.5/6

Left: 26.935+/-0.006 χ^2/NDF: 150811.8/13

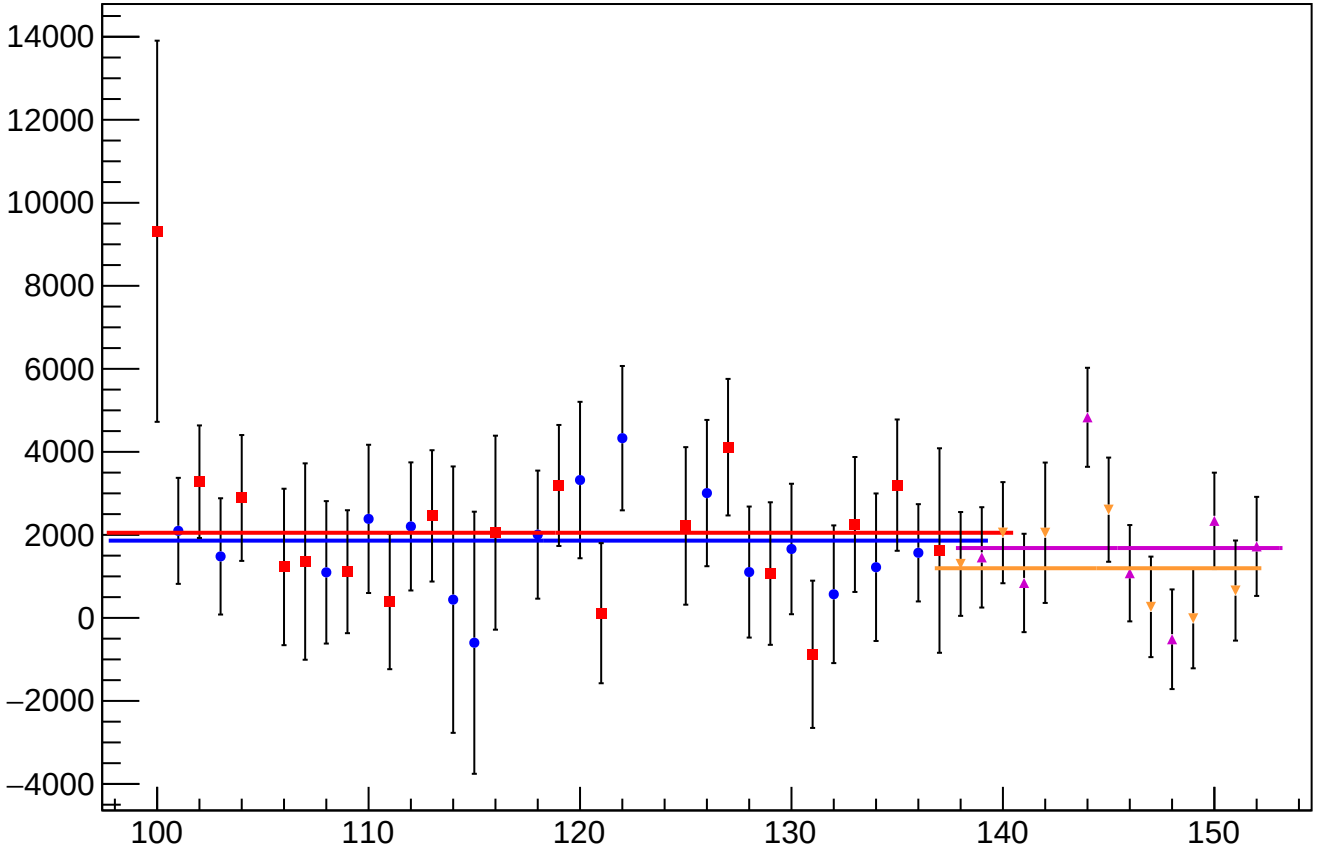
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

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

All: 27.829+/-0.004 χ^2/NDF: 567580.6/47

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: 1682.850+/-448.101 χ^2/NDF:11.5/6

Left: 1455.833+/-327.242 χ^2/NDF: 15.8/13

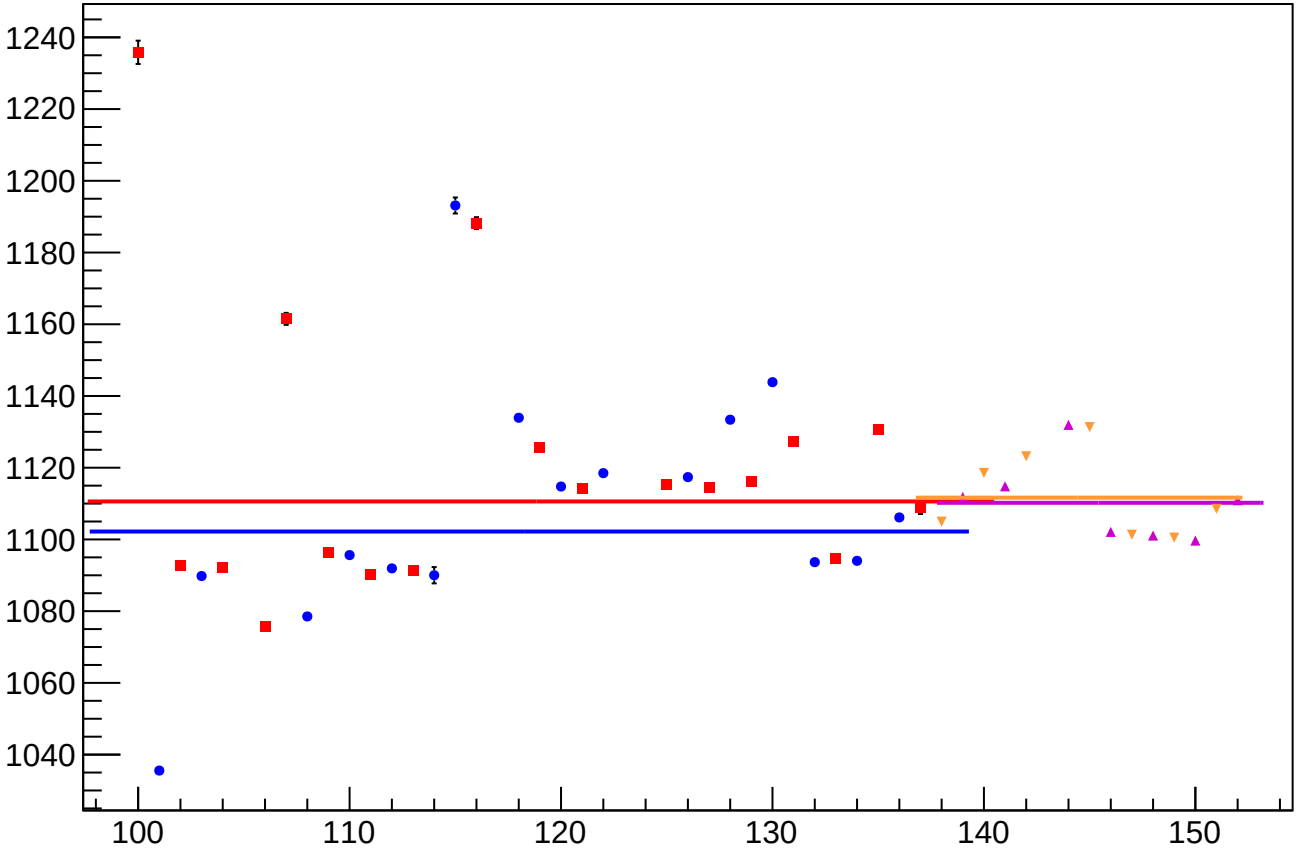
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

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

All: 1736.566+/-216.820 χ^2/NDF: 35.1/47

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: 1110.216+/-0.317 χ^2/NDF:1076.2/6

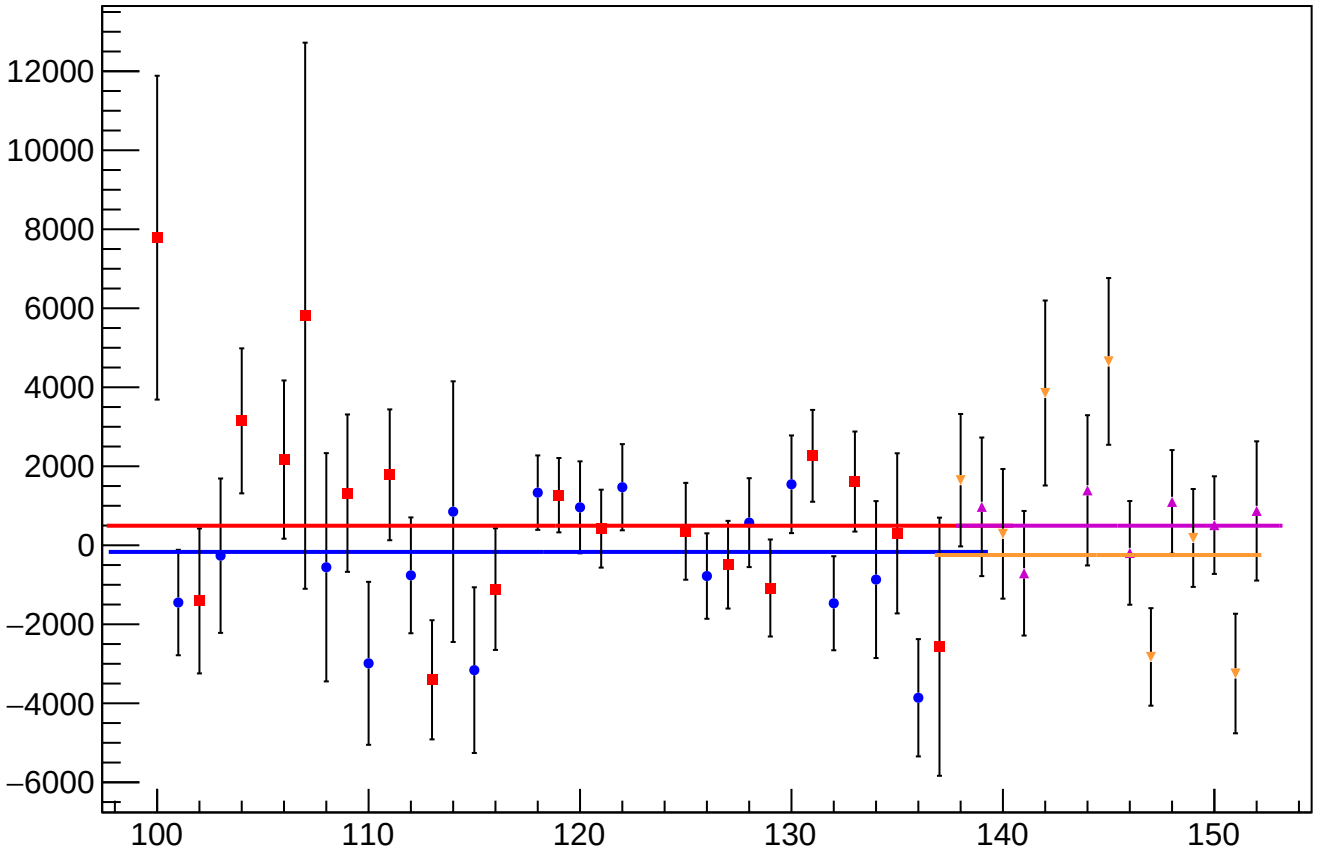
Left: 1110.884+/-0.231 χ^2/NDF: 2121.7/13

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

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

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

All: 1108.369+/-0.153 χ^2/NDF: 21796.9/47



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: 495.919+/-564.131 χ^2/NDF:1.4/6

Left: 141.177+/-407.563 χ^2/NDF: 20.5/13

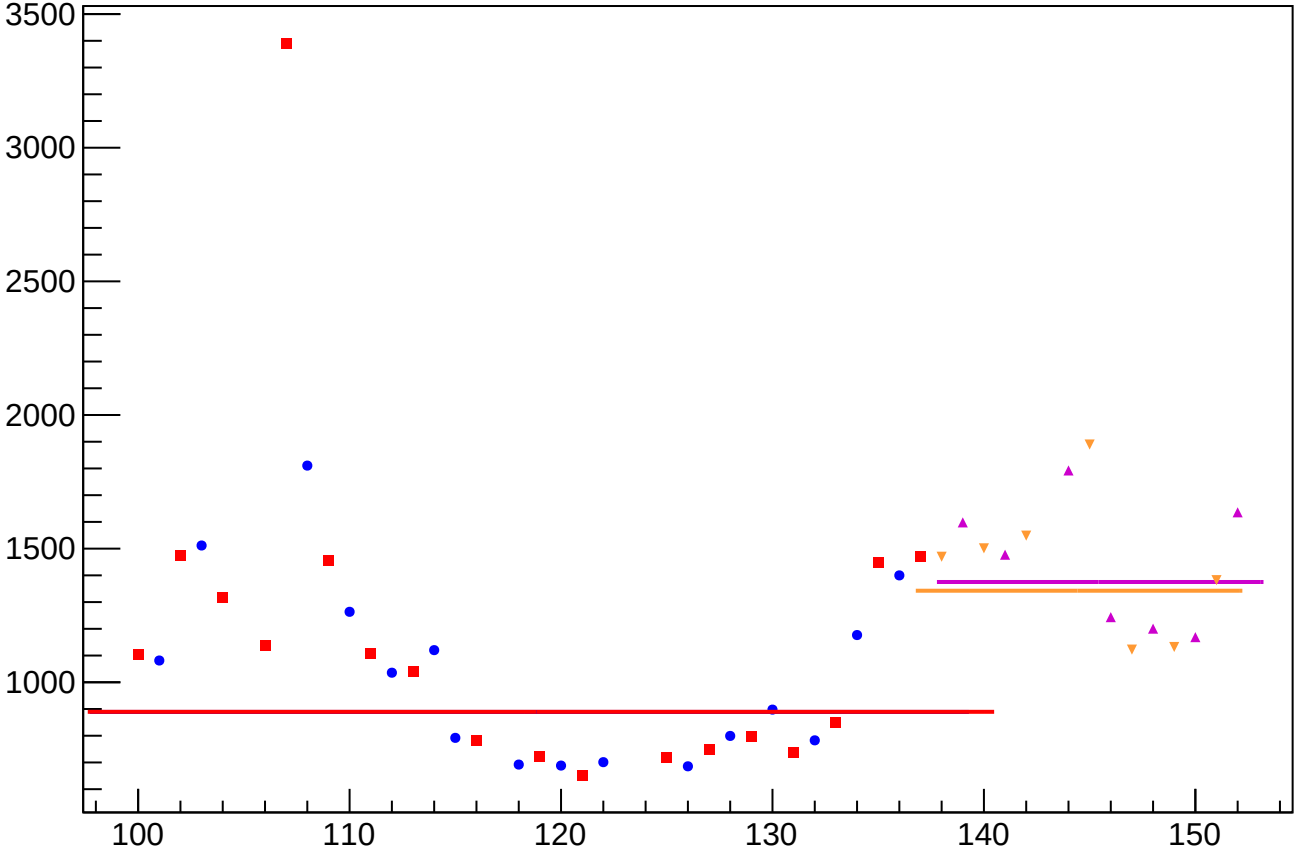
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 13.135+/-294.597 χ^2/NDF:23.4/22

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

All: 157.982+/-209.430 χ^2/NDF: 66.6/47

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

Left: 1359.586+/-0.288 χ^2/NDF: 598057.1/13

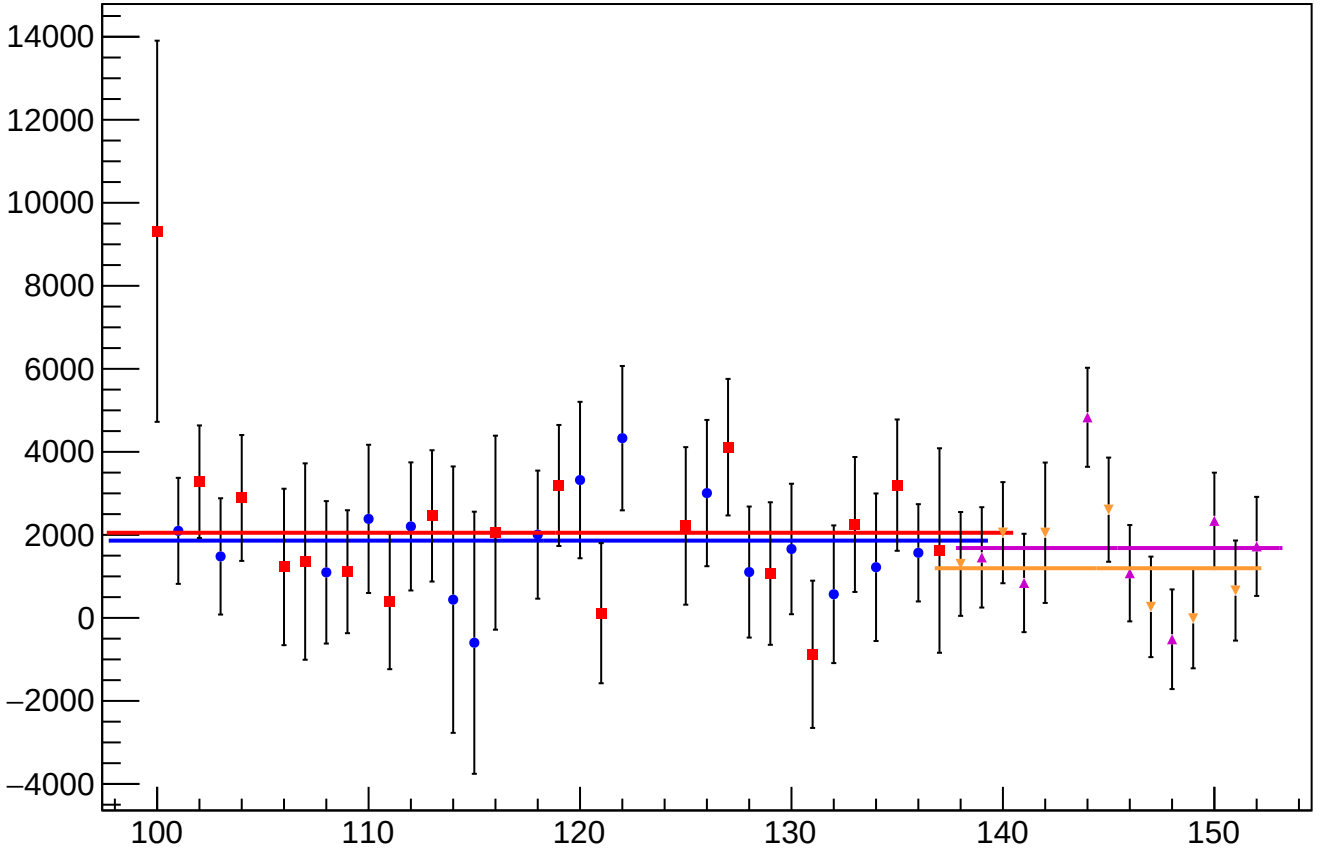
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

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

All: 1013.419+/-0.148 χ^2/NDF: 5037059.2/47

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: 1682.850+/-448.101 χ^2/NDF:11.5/6

Left: 1455.833+/-327.242 χ^2/NDF: 15.8/13

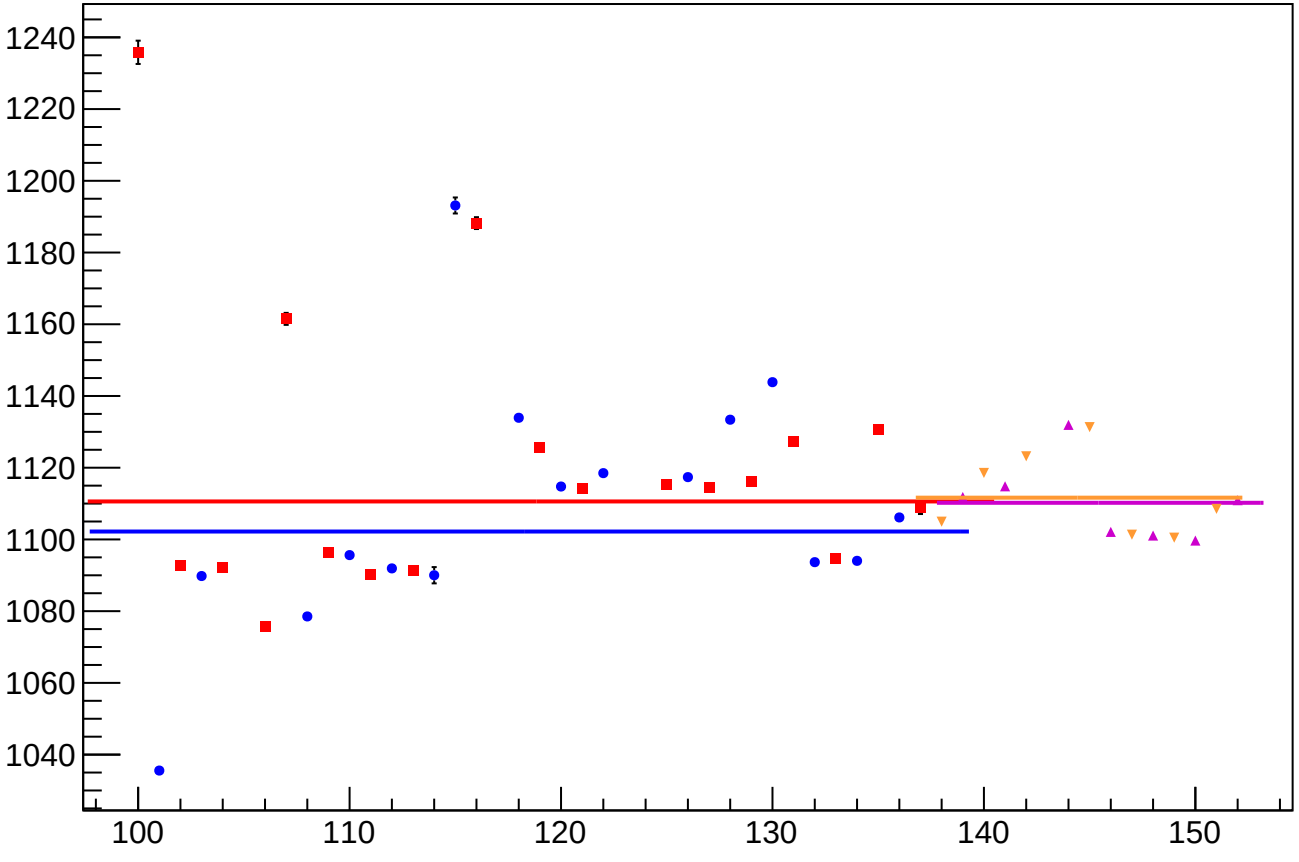
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

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

All: 1736.566+/-216.820 χ^2/NDF: 35.1/47

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: 1110.216+/-0.317 χ^2/NDF:1076.2/6

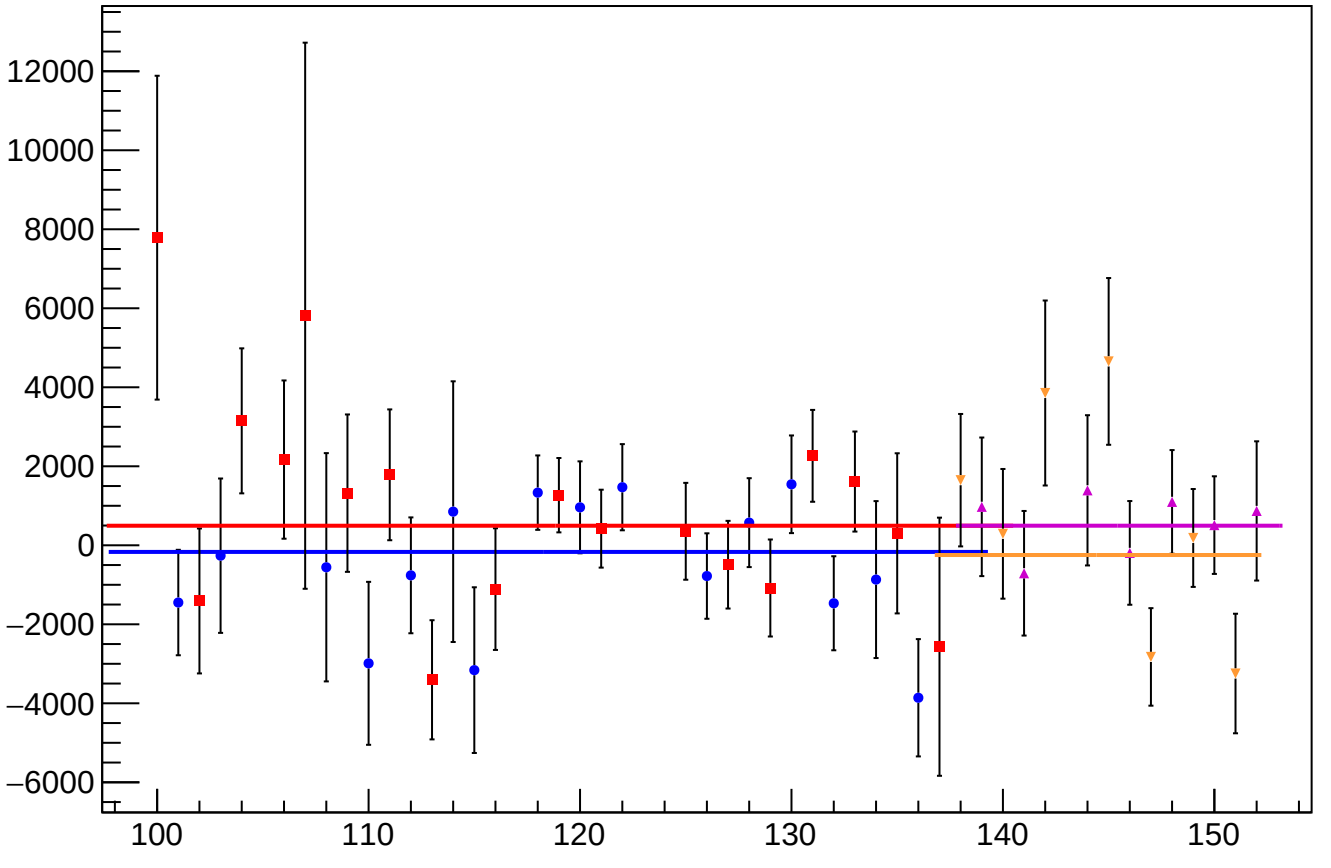
Left: 1110.884+/-0.231 χ^2/NDF: 2121.7/13

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

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

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

All: 1108.369+/-0.153 χ^2/NDF: 21796.9/47



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: 495.919+/-564.131 χ^2/NDF:1.4/6

Left: 141.177+/-407.563 χ^2/NDF: 20.5/13

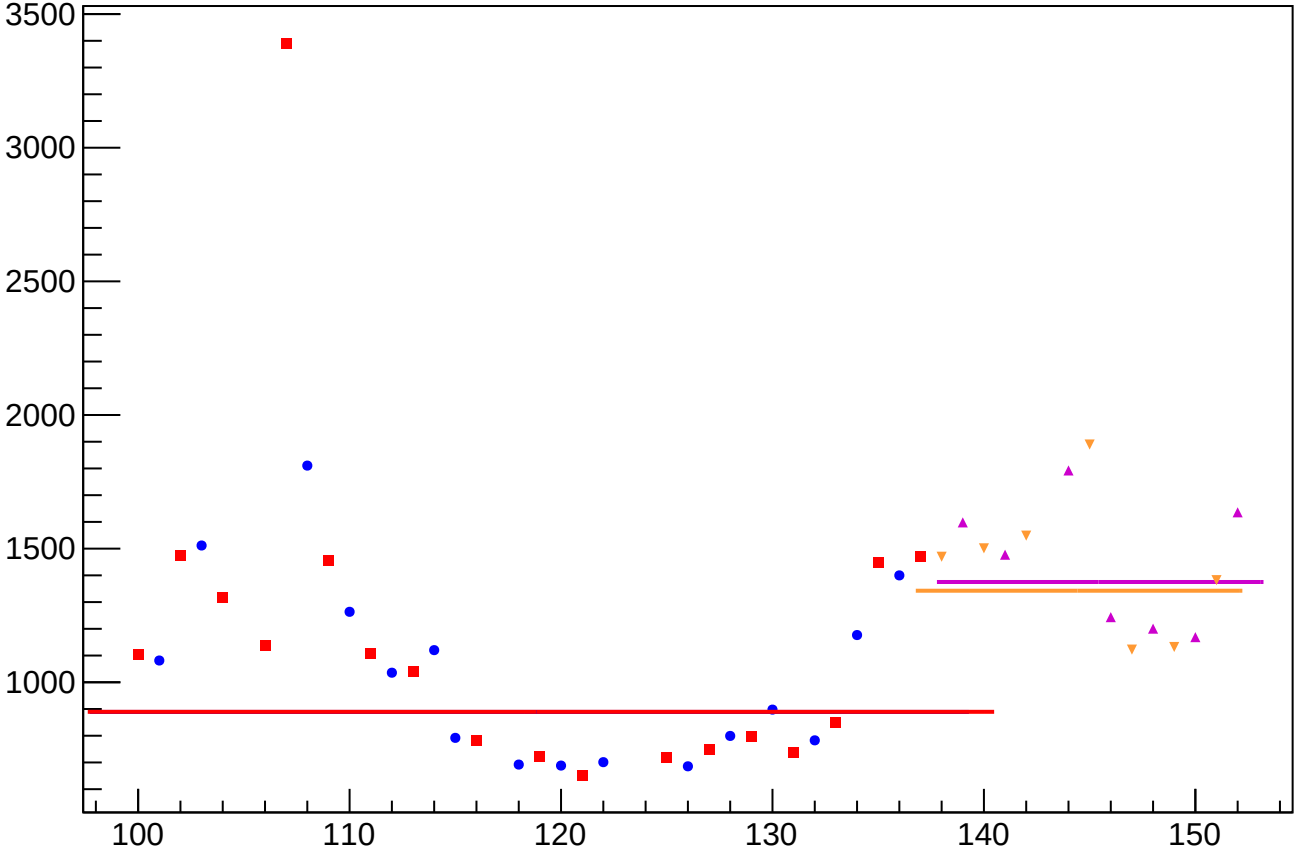
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 13.135+/-294.597 χ^2/NDF:23.4/22

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

All: 157.982+/-209.430 χ^2/NDF: 66.6/47

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: 1375.192+/-0.399 χ^2/NDF:292048.9/6

Left: 1359.586+/-0.288 χ^2/NDF: 598057.1/13

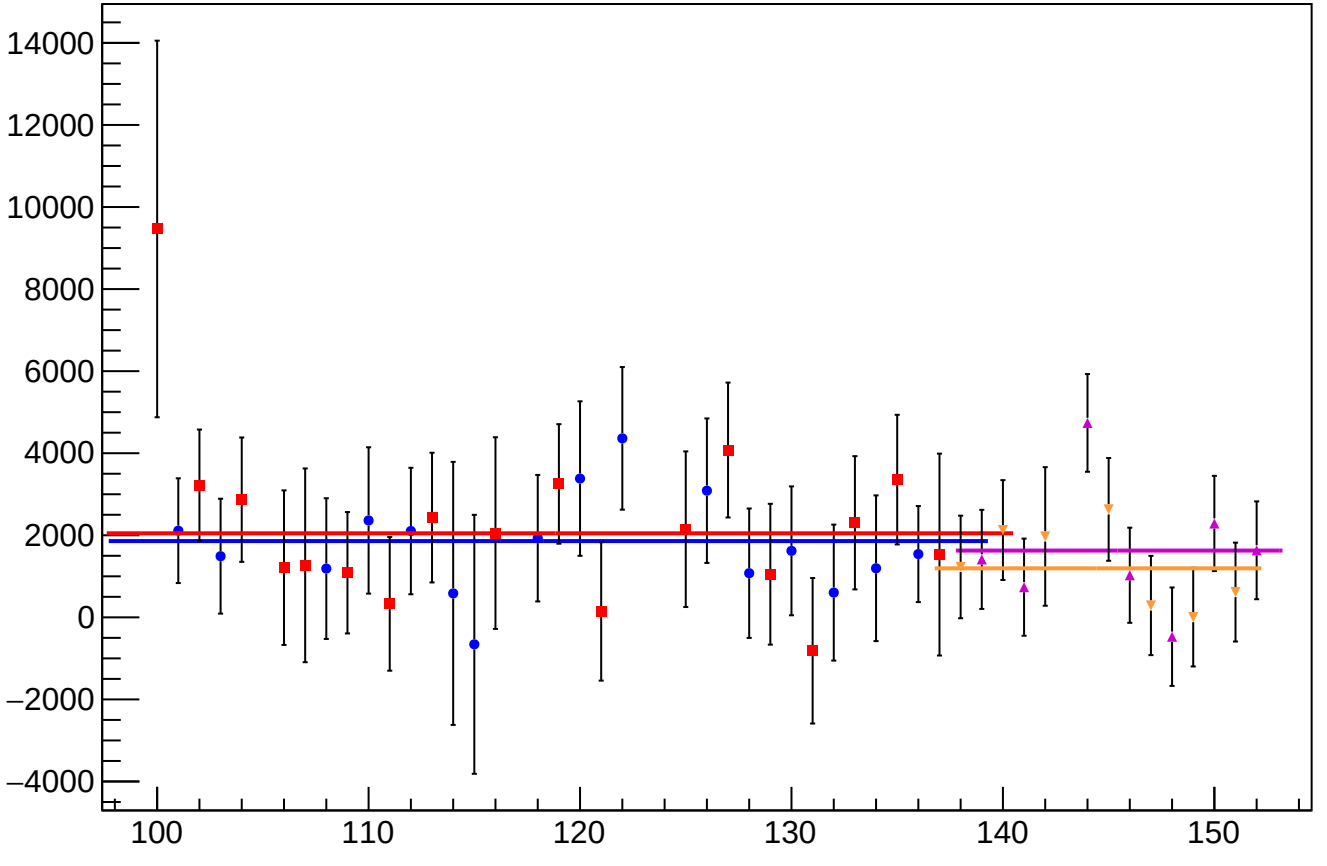
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

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

All: 1013.419+/-0.148 χ^2/NDF: 5037059.2/47

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: 1627.419+/-447.599 χ^2/NDF:11.1/6

Left: 1425.554+/-326.870 χ^2/NDF: 15.4/13

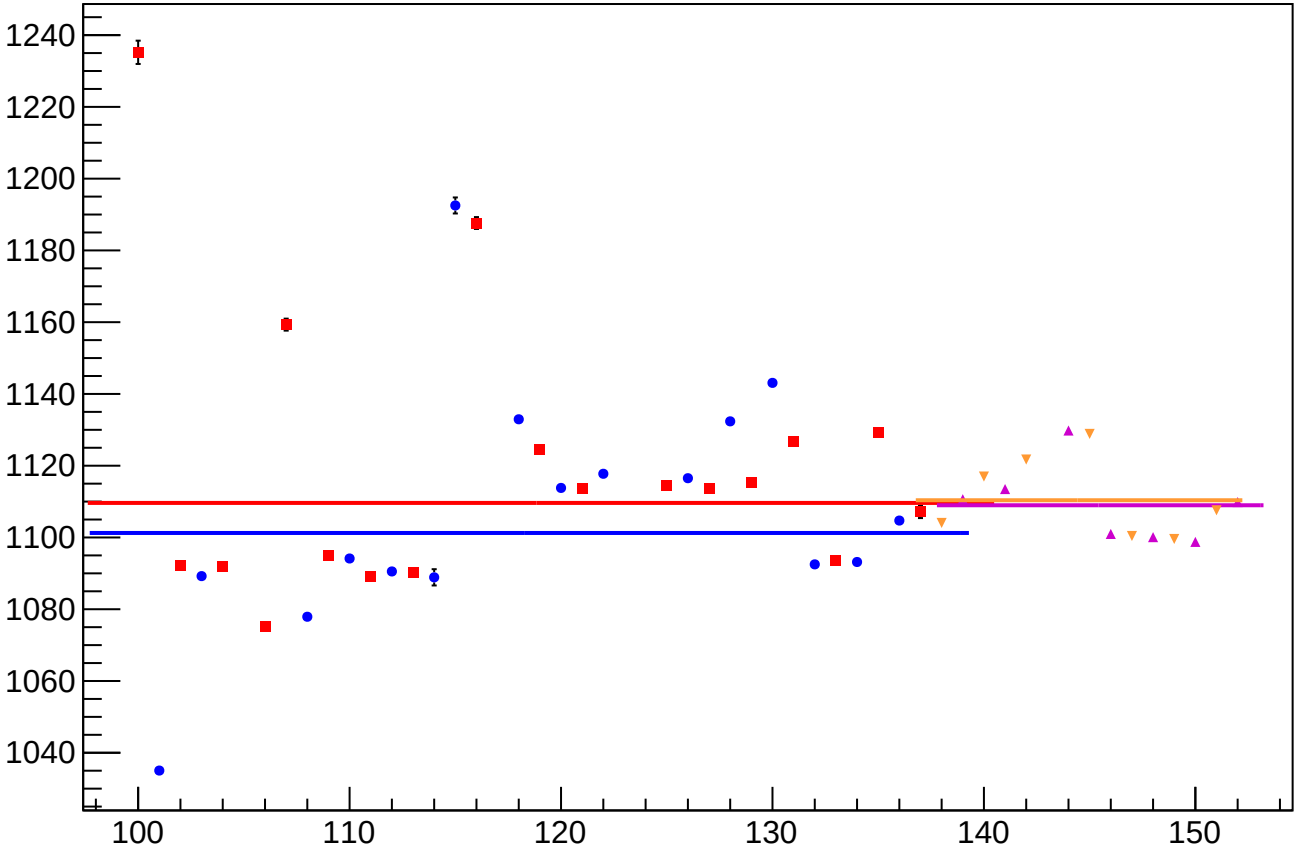
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

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

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

All: 1721.798+/-216.607 χ^2/NDF: 35.2/47

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: 1108.977+/-0.317 χ^2/NDF:1005.9/6

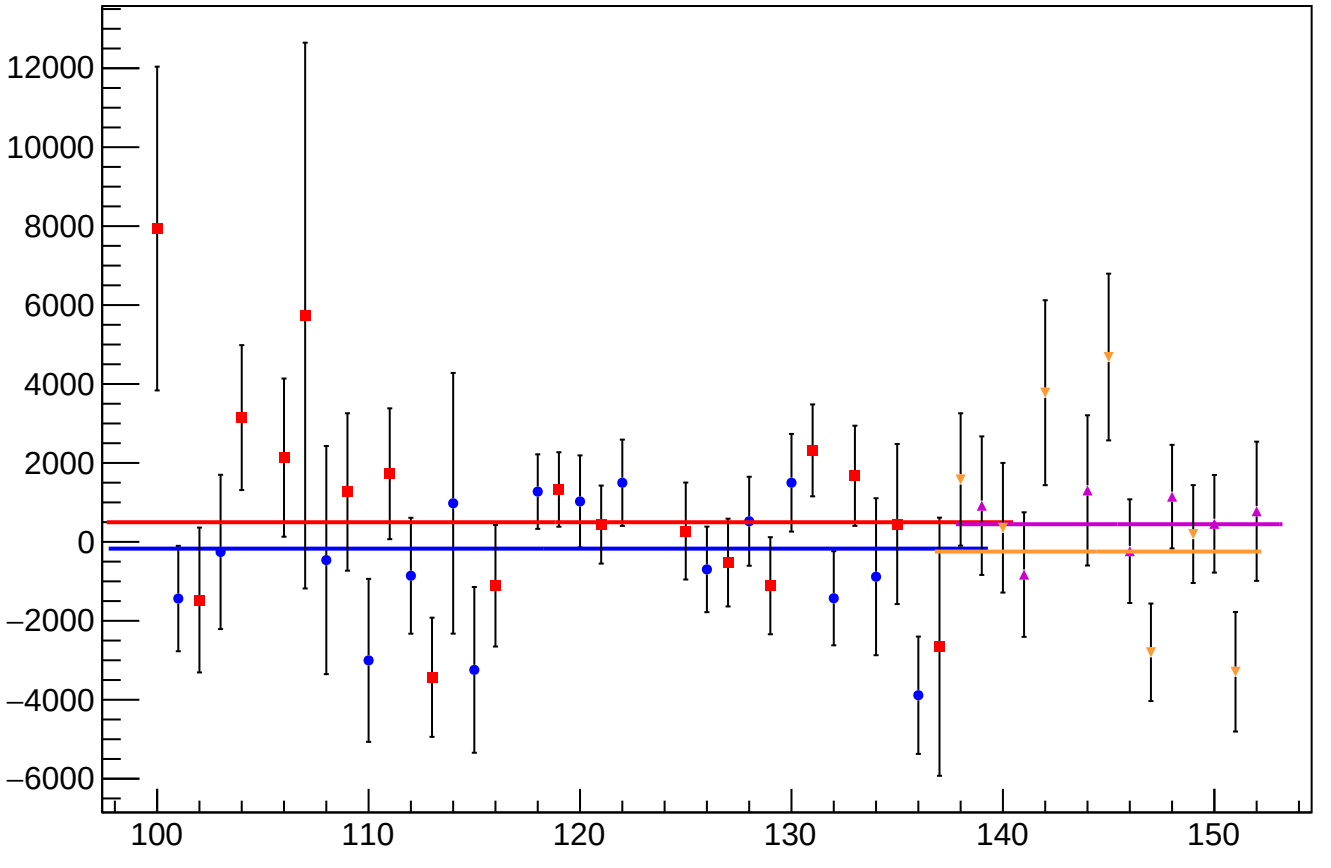
Left: 1109.627+/-0.231 χ^2/NDF: 1958.8/13

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

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

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

All: 1107.281+/-0.153 χ^2/NDF: 21543.0/47



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: 447.459+/-564.516 χ^2/NDF:1.5/6

Left: 115.983+/-407.847 χ^2/NDF: 20.4/13

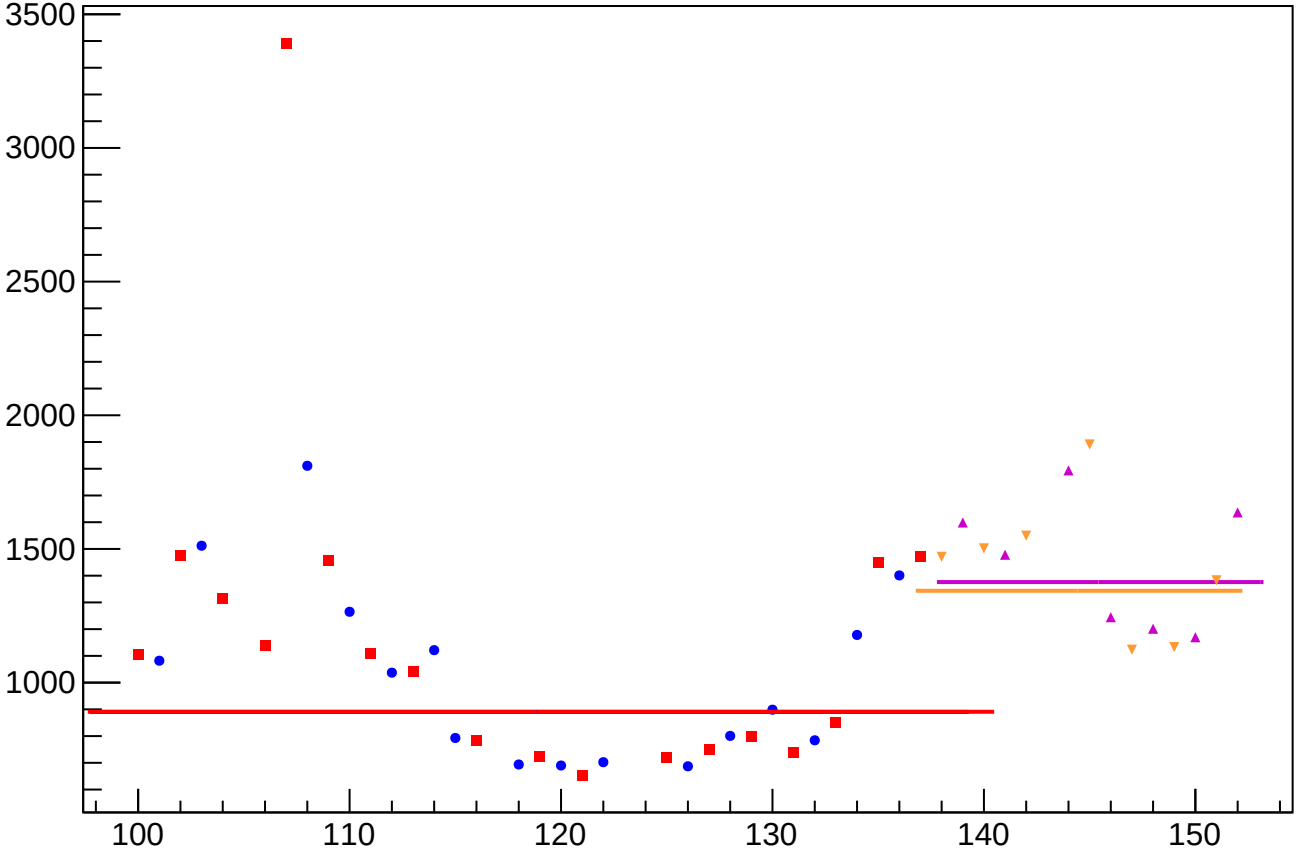
Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

In: -2.075+/-294.986 χ^2/NDF:23.3/22

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

All: 151.243+/-209.703 χ^2/NDF: 67.1/47

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: 1376.155+/-0.399 χ^2/NDF:291795.0/6

Left: 1360.555+/-0.288 χ^2/NDF: 597618.1/13

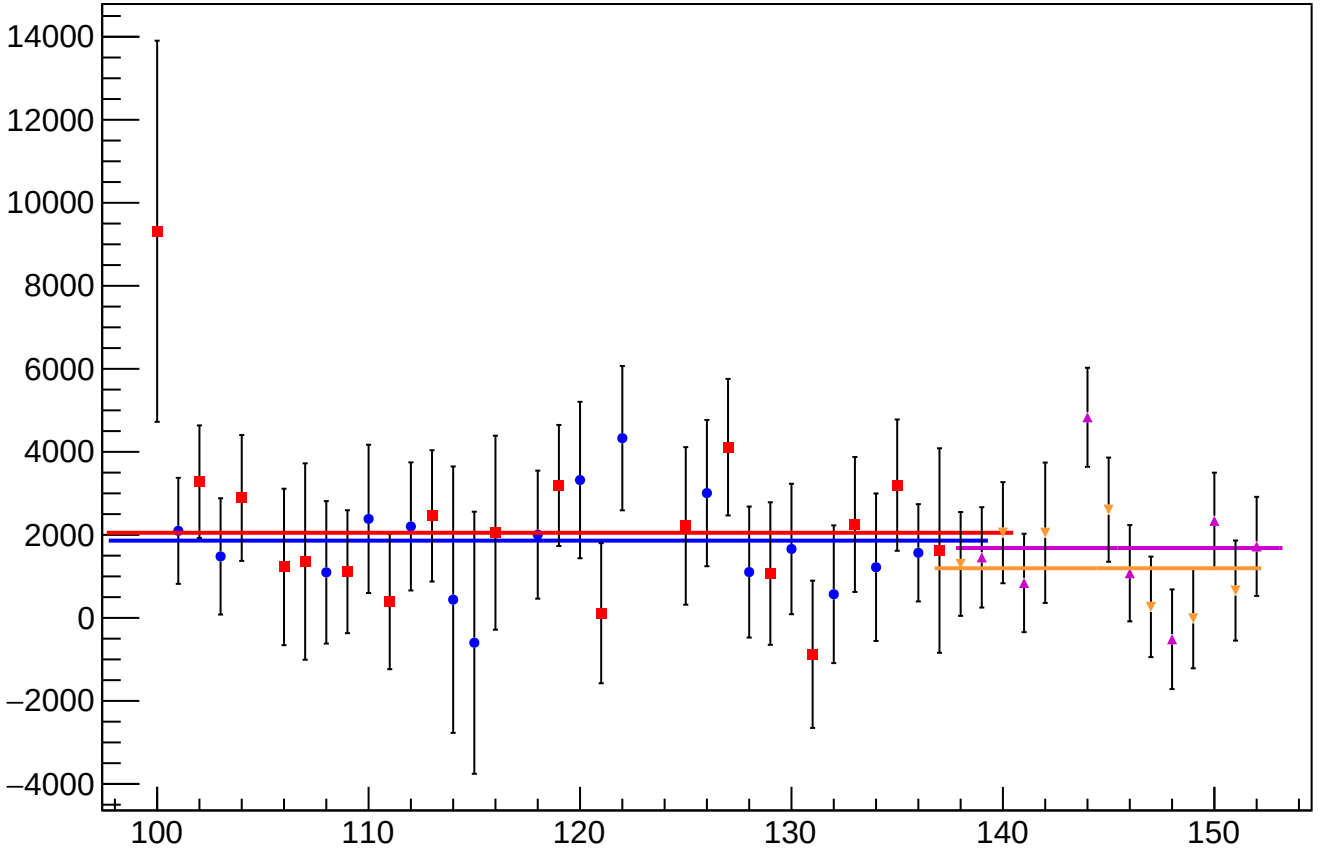
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1023.107+/-0.209 χ^2/NDF:2496609.7/22

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

All: 1014.928+/-0.148 χ^2/NDF: 5020654.5/47

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: 1682.850+/-448.101 χ^2/NDF:11.5/6

Left: 1455.833+/-327.242 χ^2/NDF: 15.8/13

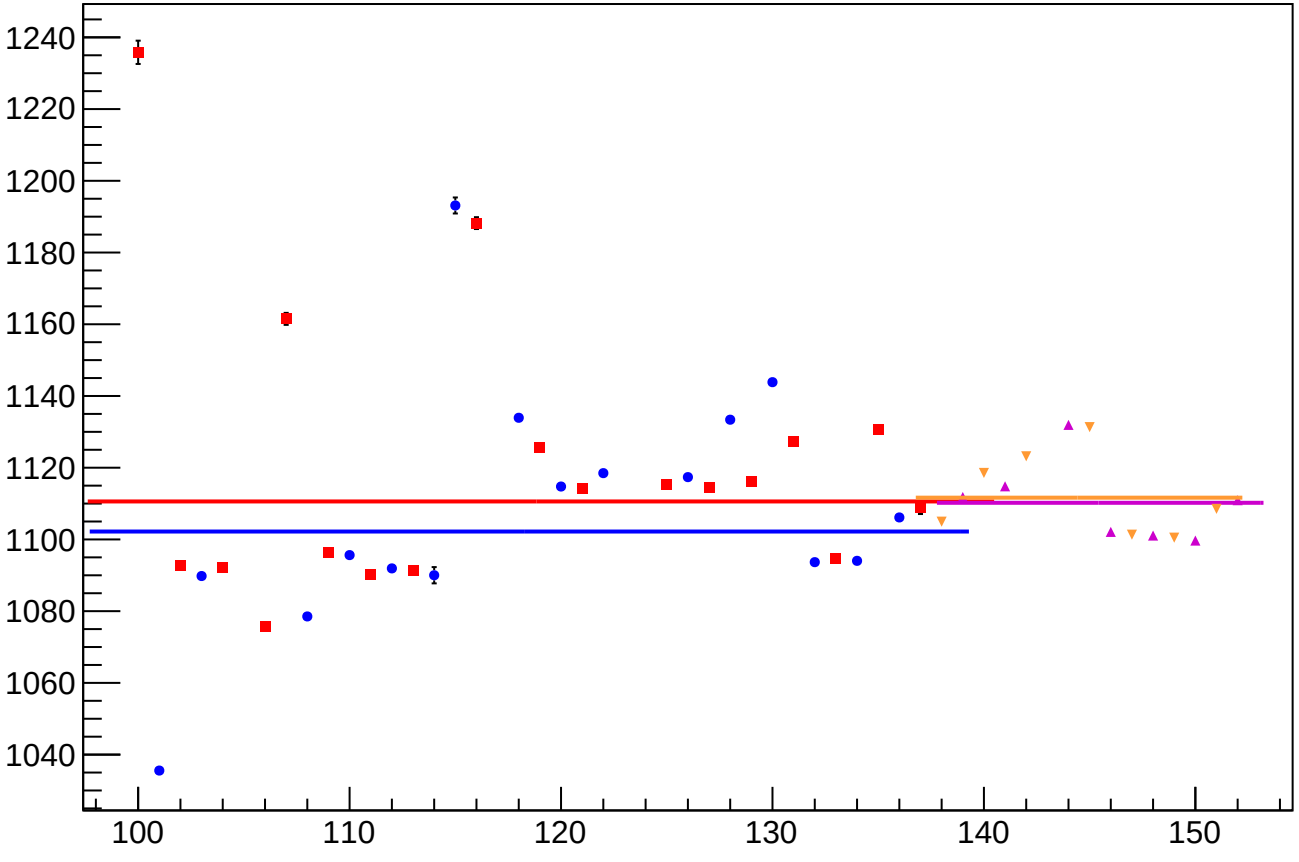
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

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

All: 1736.566+/-216.820 χ^2/NDF: 35.1/47

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: 1110.216+/-0.317 χ^2/NDF:1076.2/6

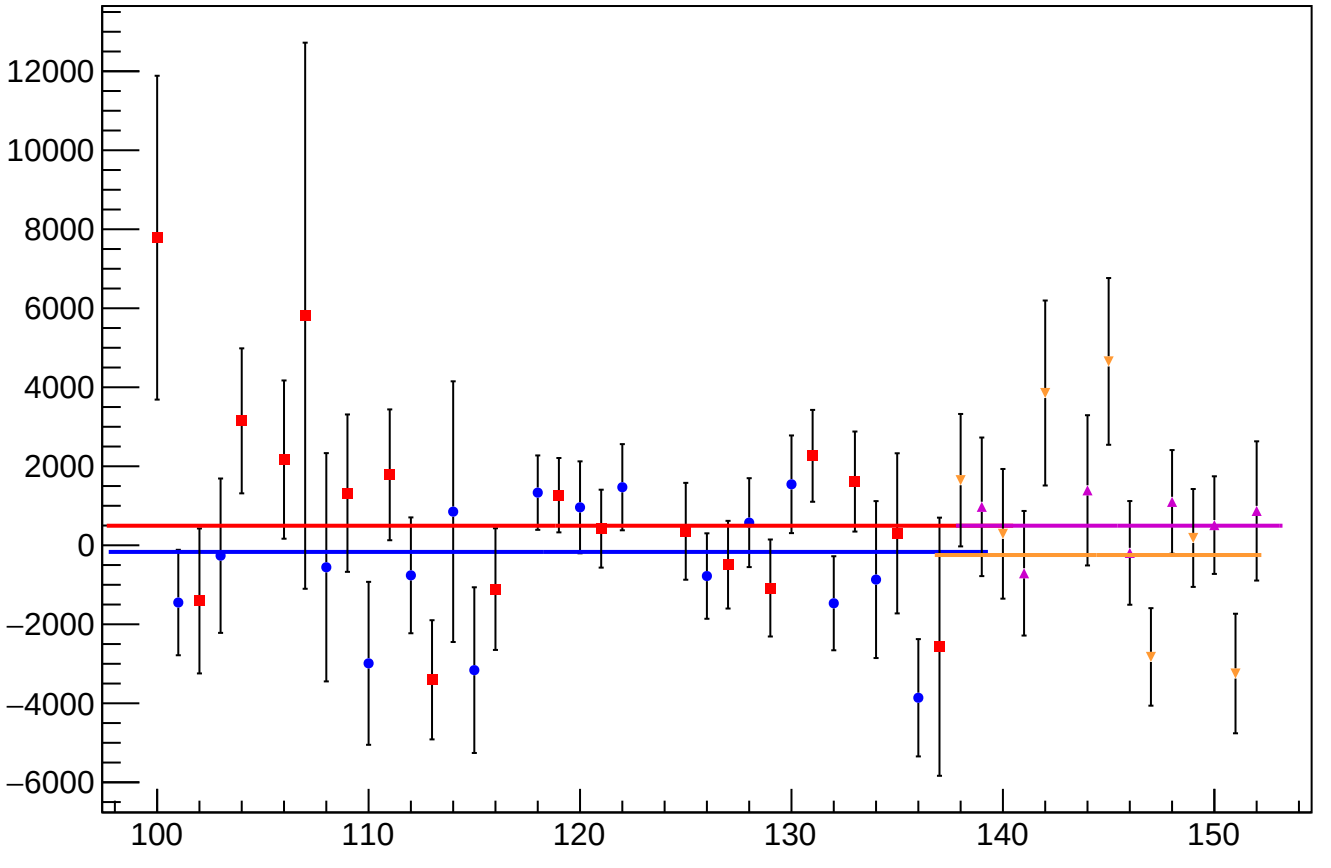
Left: 1110.884+/-0.231 χ^2/NDF: 2121.7/13

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

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

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

All: 1108.369+/-0.153 χ^2/NDF: 21796.9/47



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: 495.919+/-564.131 χ^2/NDF:1.4/6

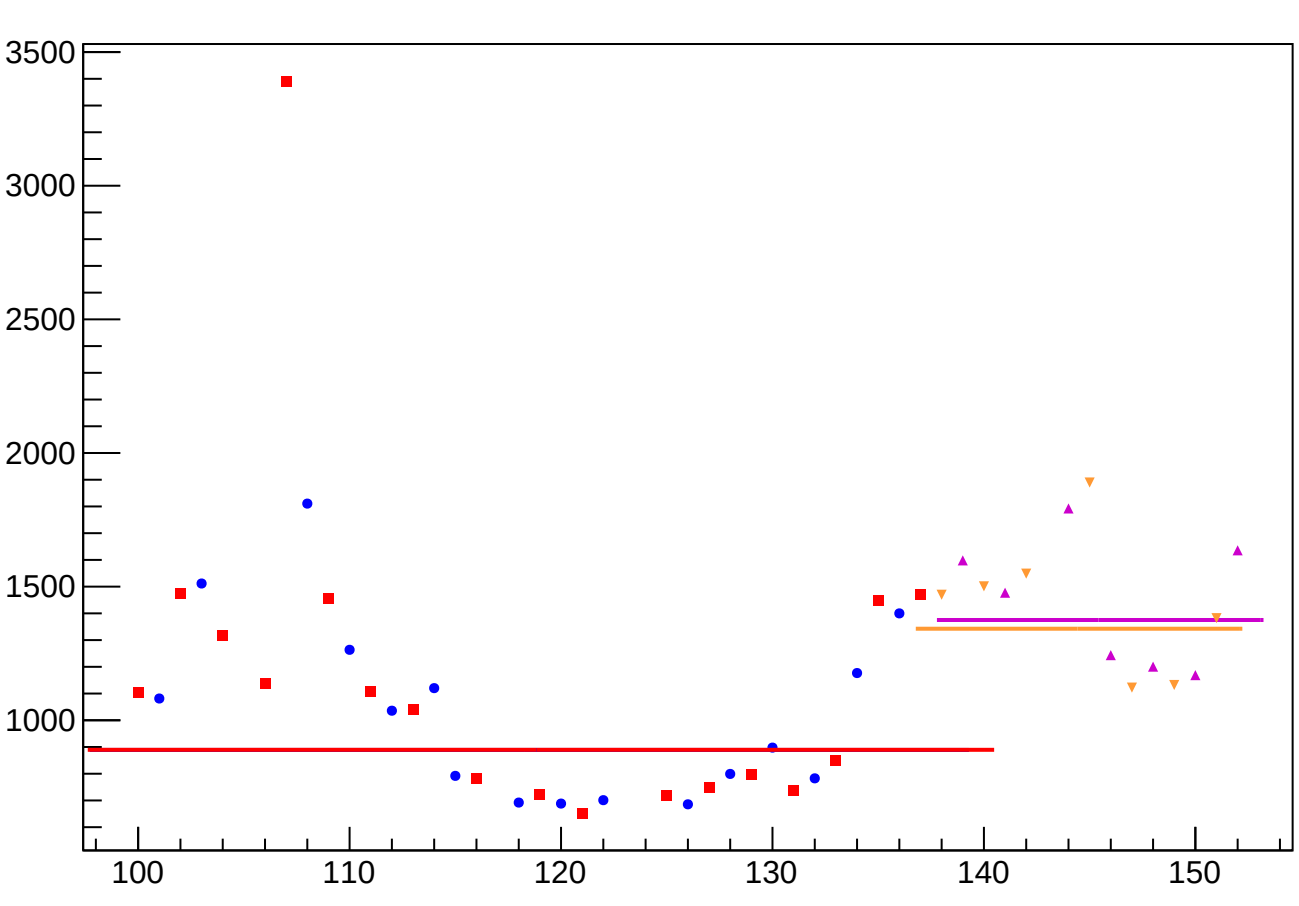
Left: 141.177+/-407.563 χ^2/NDF: 20.5/13

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

In: 13.135+/-294.597 χ^2/NDF:23.4/22

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

All: 157.982+/-209.430 χ^2/NDF: 66.6/47



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: 1375.192+/-0.399 χ^2/NDF:292048.9/6

Left: 1359.586+/-0.288 χ^2/NDF: 598057.1/13

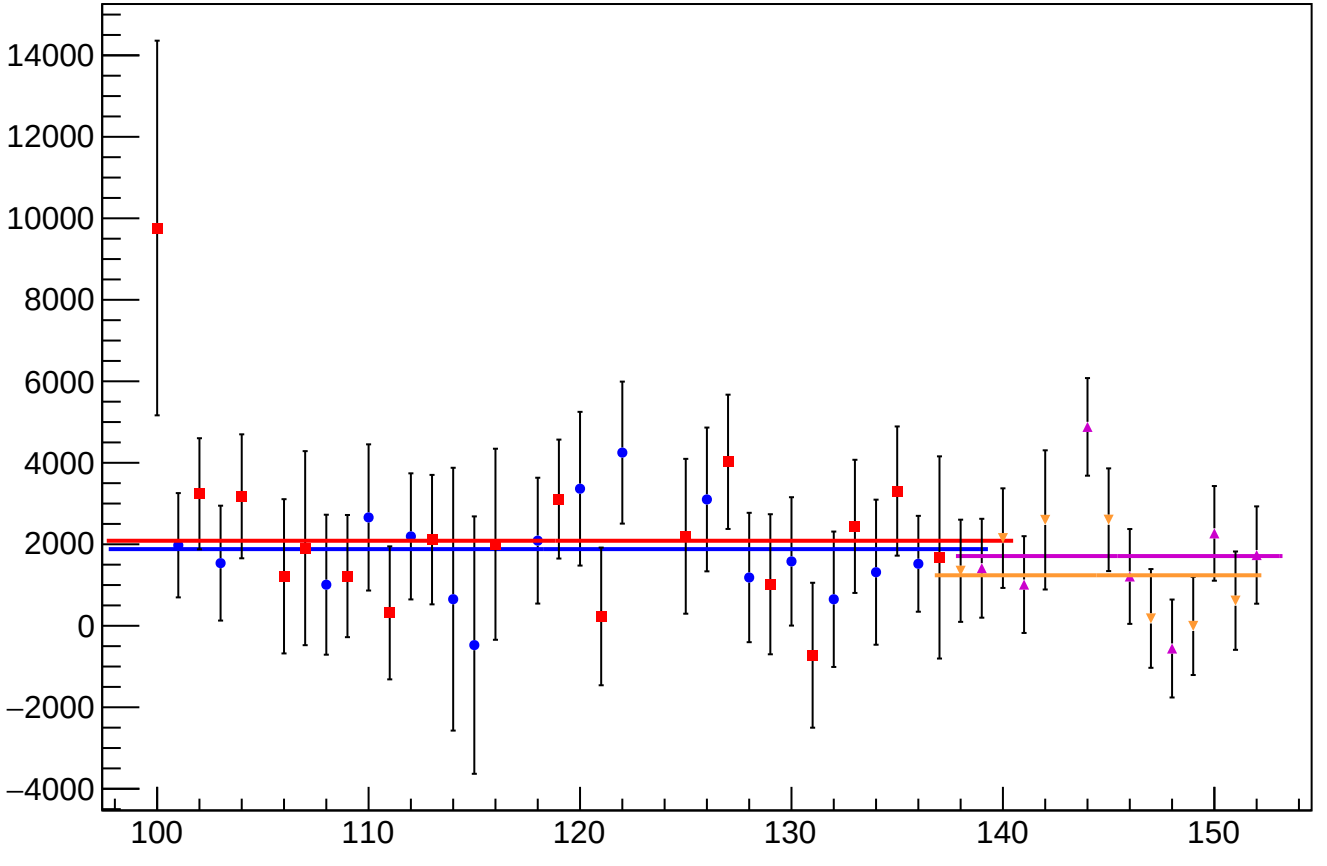
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

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

All: 1013.419+/-0.148 χ^2/NDF: 5037059.2/47

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: 1711.252+/-449.114 χ^2/NDF:11.4/6

Left: 1491.215+/-328.051 χ^2/NDF: 16.4/13

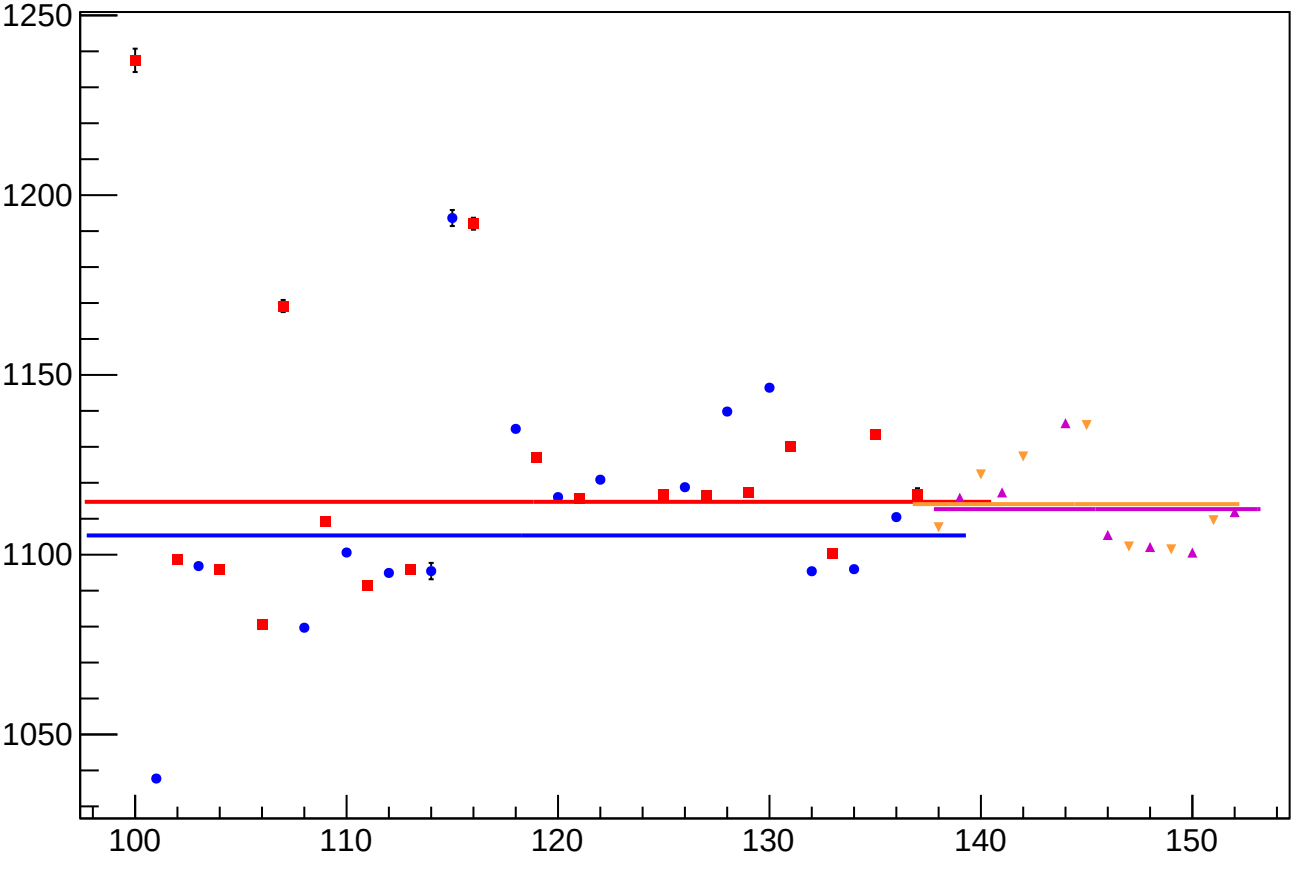
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1803.980+/-303.081 χ^2/NDF:16.7/22

Out: 1728.935+/-312.187 χ^2/NDF:18.6/24

All: 1767.568+/-217.459 χ^2/NDF: 35.3/47

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: 1112.677+/-0.318 χ^2/NDF:1288.9/6

Left: 1113.326+/-0.232 χ^2/NDF: 2605.0/13

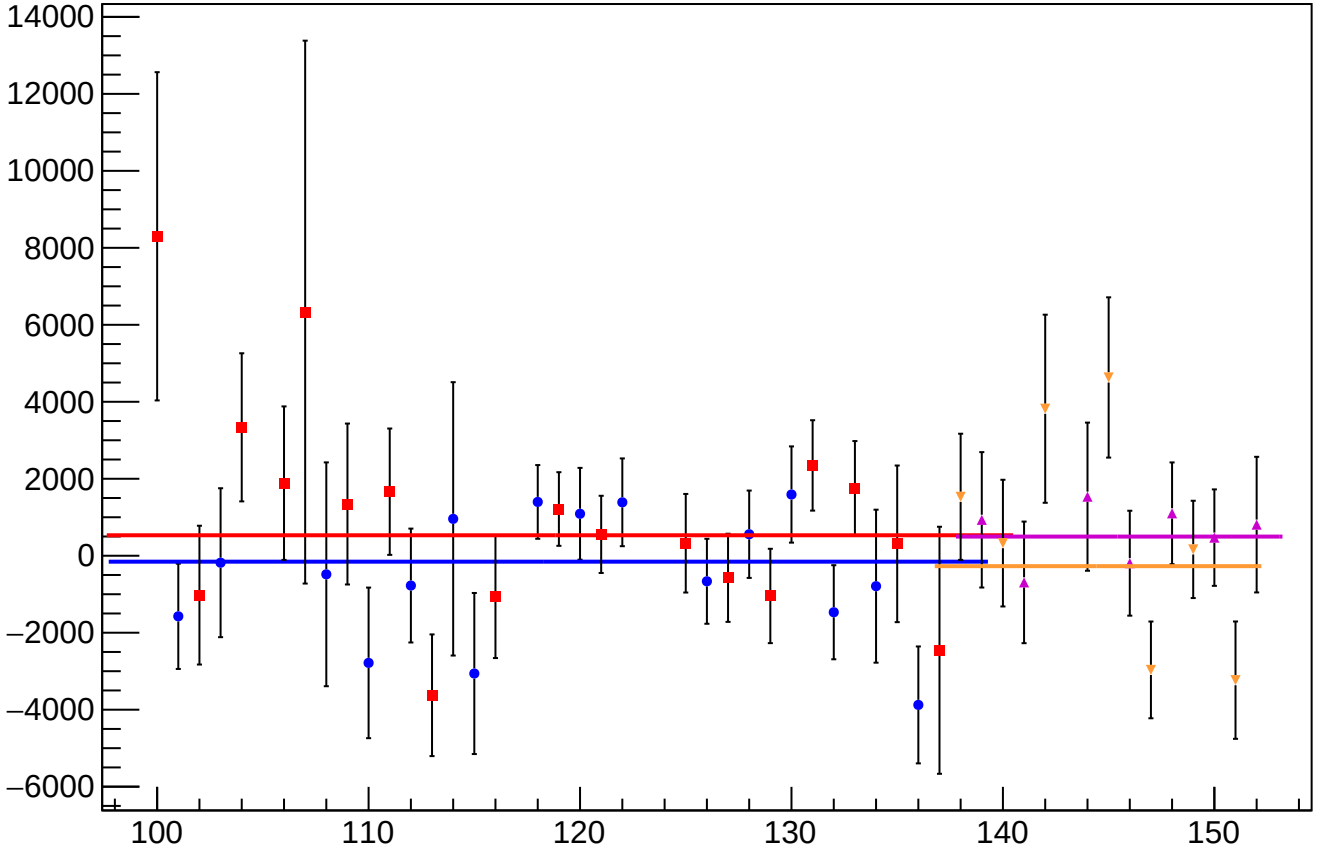
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1108.690+/-0.214 χ^2/NDF:12909.2/22

Out: 1114.436+/-0.221 χ^2/NDF:8639.5/24

All: 1111.478+/-0.154 χ^2/NDF: 21897.6/47

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: 497.883+/-571.314 χ^2/NDF:1.4/6

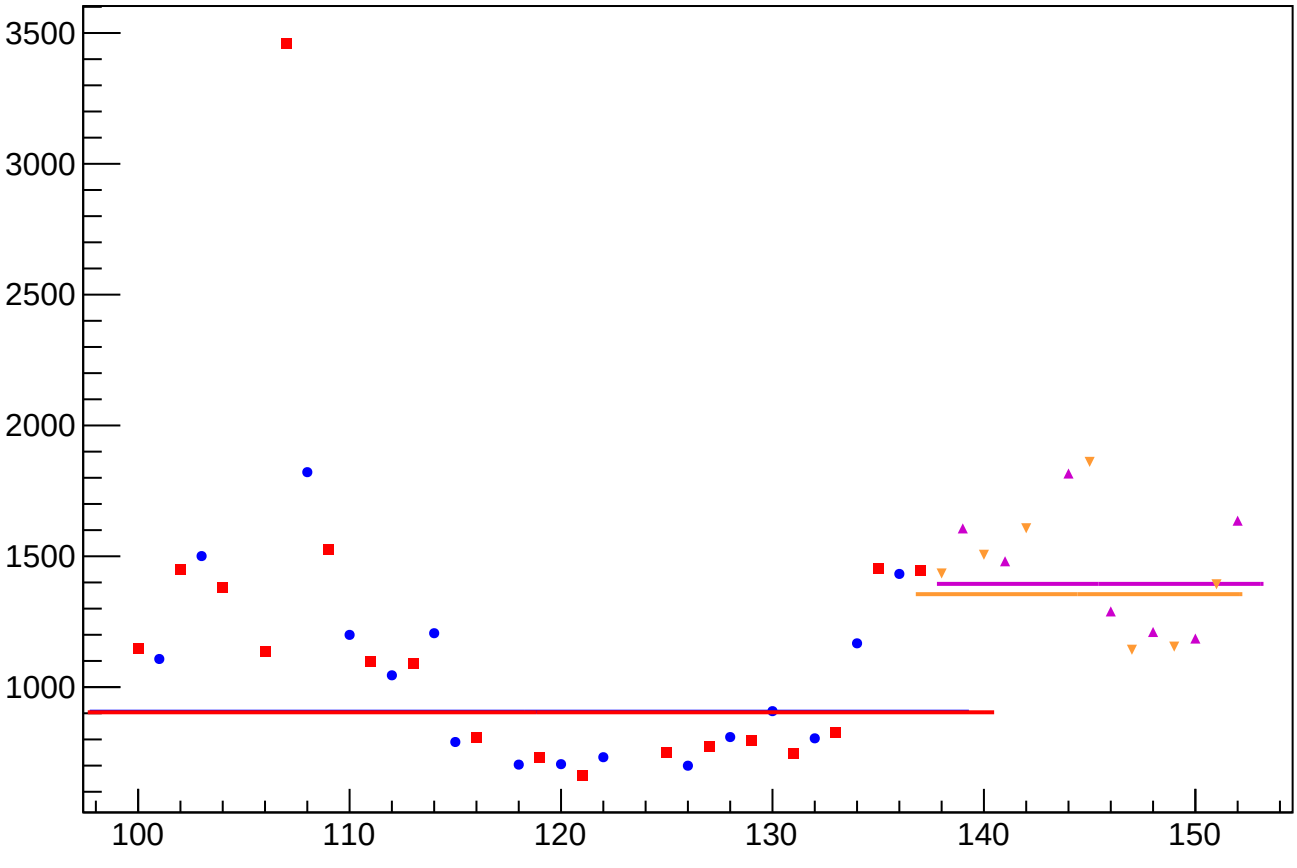
Left: 128.875+/-411.949 χ^2/NDF: 20.5/13

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

In: 24.866+/-299.263 χ^2/NDF:22.8/22

Out: 325.161+/-301.879 χ^2/NDF:42.8/24

All: 173.707+/-212.530 χ^2/NDF: 66.1/47



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: 1394.564+/-0.404 χ^2/NDF:274904.6/6

Left: 1375.690+/-0.291 χ^2/NDF: 548729.1/13

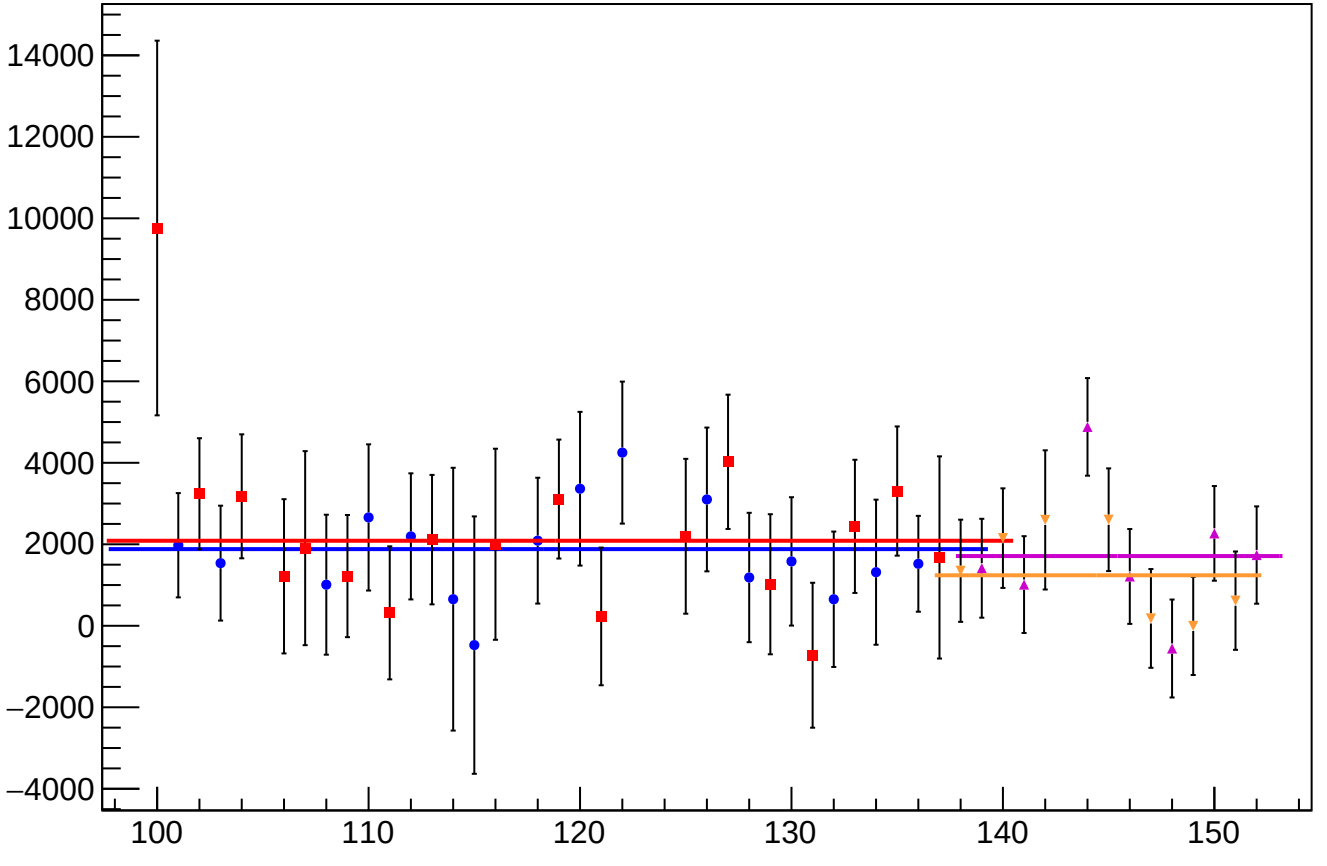
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1040.080+/-0.212 χ^2/NDF:2415466.5/22

Out: 1020.151+/-0.213 χ^2/NDF:2465277.6/24

All: 1030.202+/-0.150 χ^2/NDF: 4885140.2/47

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: 1711.254+/-449.114 χ^2/NDF:11.4/6

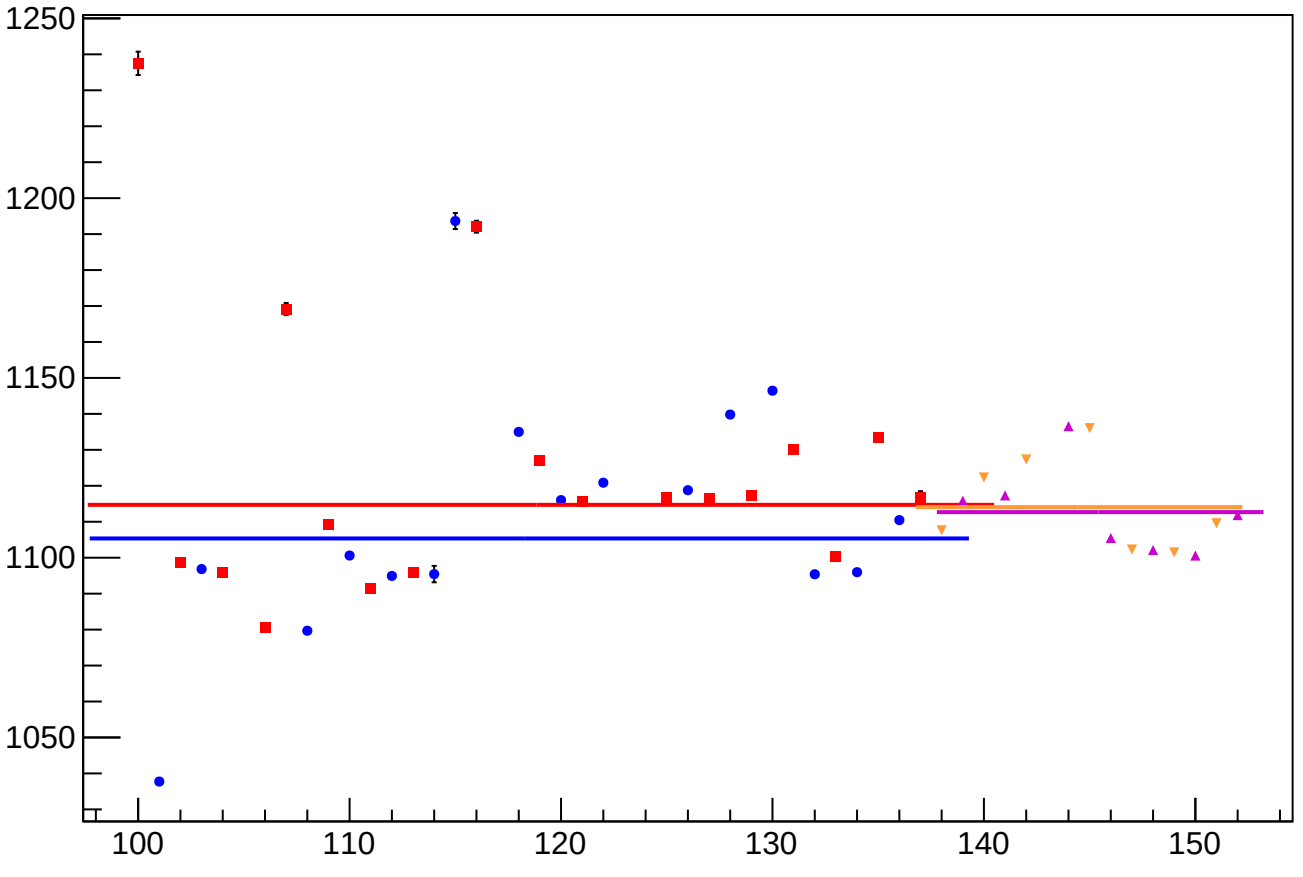
Left: 1491.216+/-328.051 χ^2/NDF: 16.4/13

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

In: 1803.981+/-303.081 χ^2/NDF:16.7/22

Out: 1728.932+/-312.187 χ^2/NDF:18.6/24

All: 1767.567+/-217.459 χ^2/NDF: 35.3/47



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: 1112.677+/-0.318 χ^2/NDF:1288.9/6

Left: 1113.326+/-0.232 χ^2/NDF: 2605.0/13

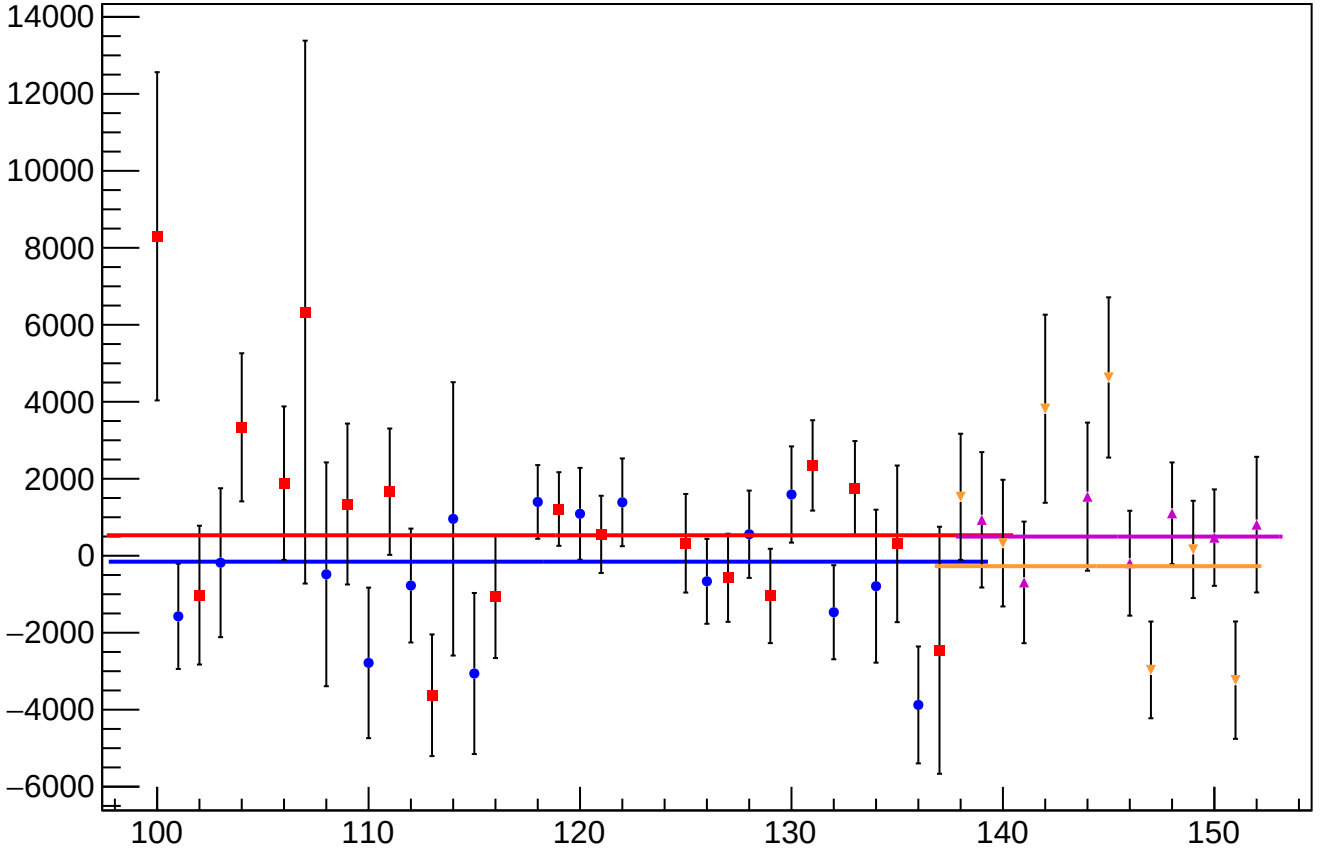
Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1108.690+/-0.214 χ^2/NDF:12909.2/22

Out: 1114.436+/-0.221 χ^2/NDF:8639.4/24

All: 1111.478+/-0.154 χ^2/NDF: 21897.6/47

asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 497.885+/-571.315 χ^2/NDF:1.4/6

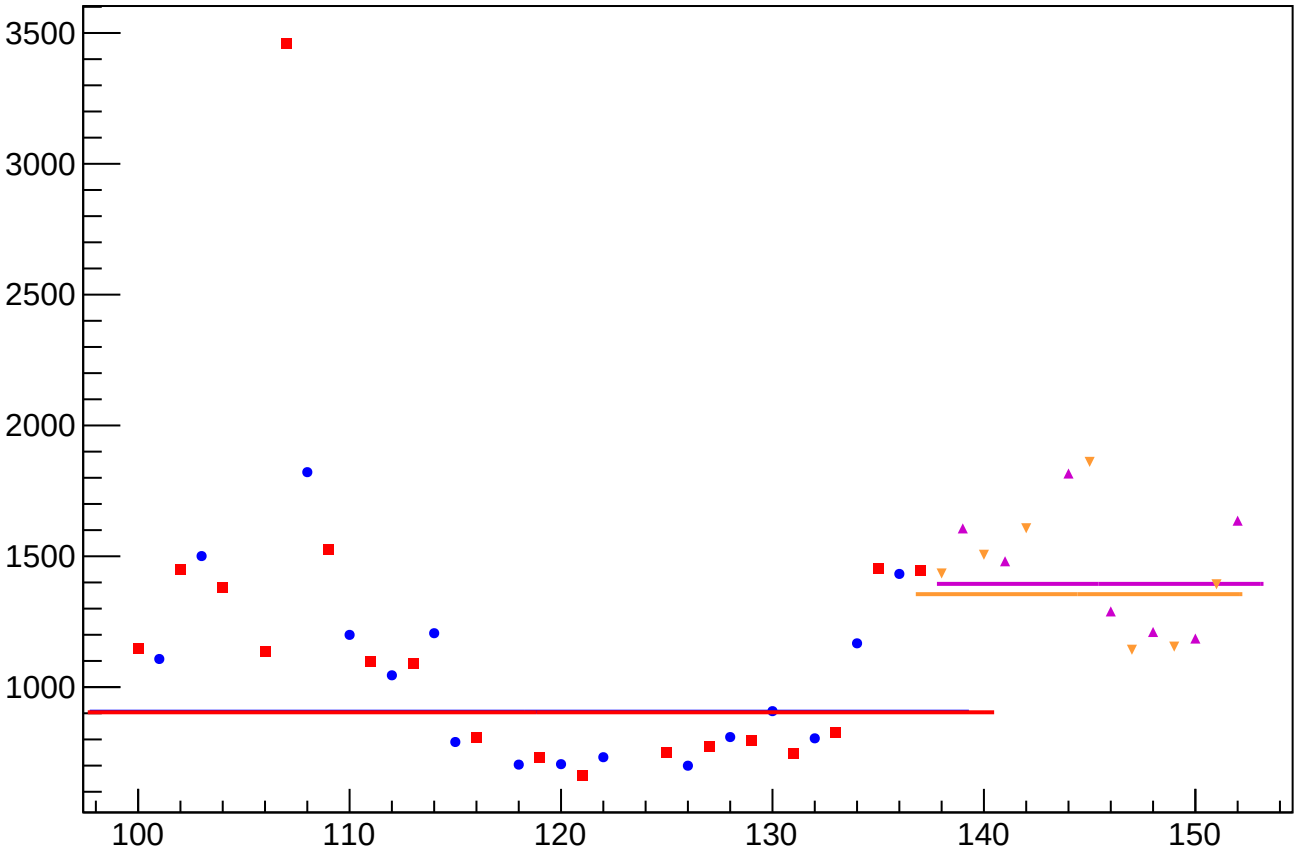
Left: 128.874+/-411.950 χ^2/NDF: 20.5/13

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

In: 24.867+/-299.263 χ^2/NDF:22.8/22

Out: 325.161+/-301.878 χ^2/NDF:42.8/24

All: 173.708+/-212.530 χ^2/NDF: 66.1/47



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: 1394.566+/-0.404 χ^2/NDF:274902.4/6

Left: 1375.693+/-0.291 χ^2/NDF: 548725.6/13

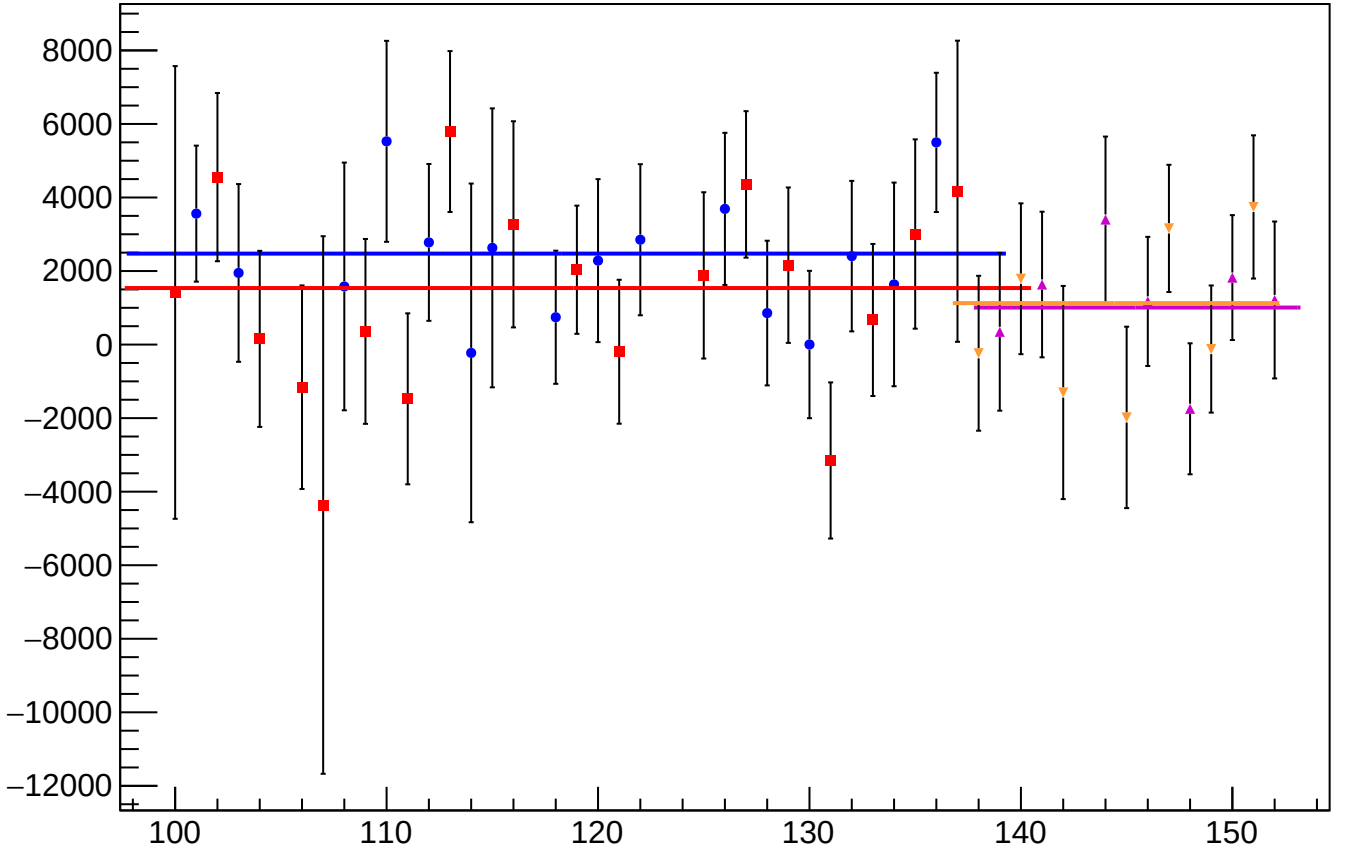
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1040.078+/-0.212 χ^2/NDF:2415485.9/22

Out: 1020.149+/-0.213 χ^2/NDF:2465295.0/24

All: 1030.200+/-0.150 χ^2/NDF: 4885177.2/47

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: 1007.415+/-730.329 χ^2/NDF:4.0/6

Left: 1064.382+/-530.478 χ^2/NDF: 10.5/13

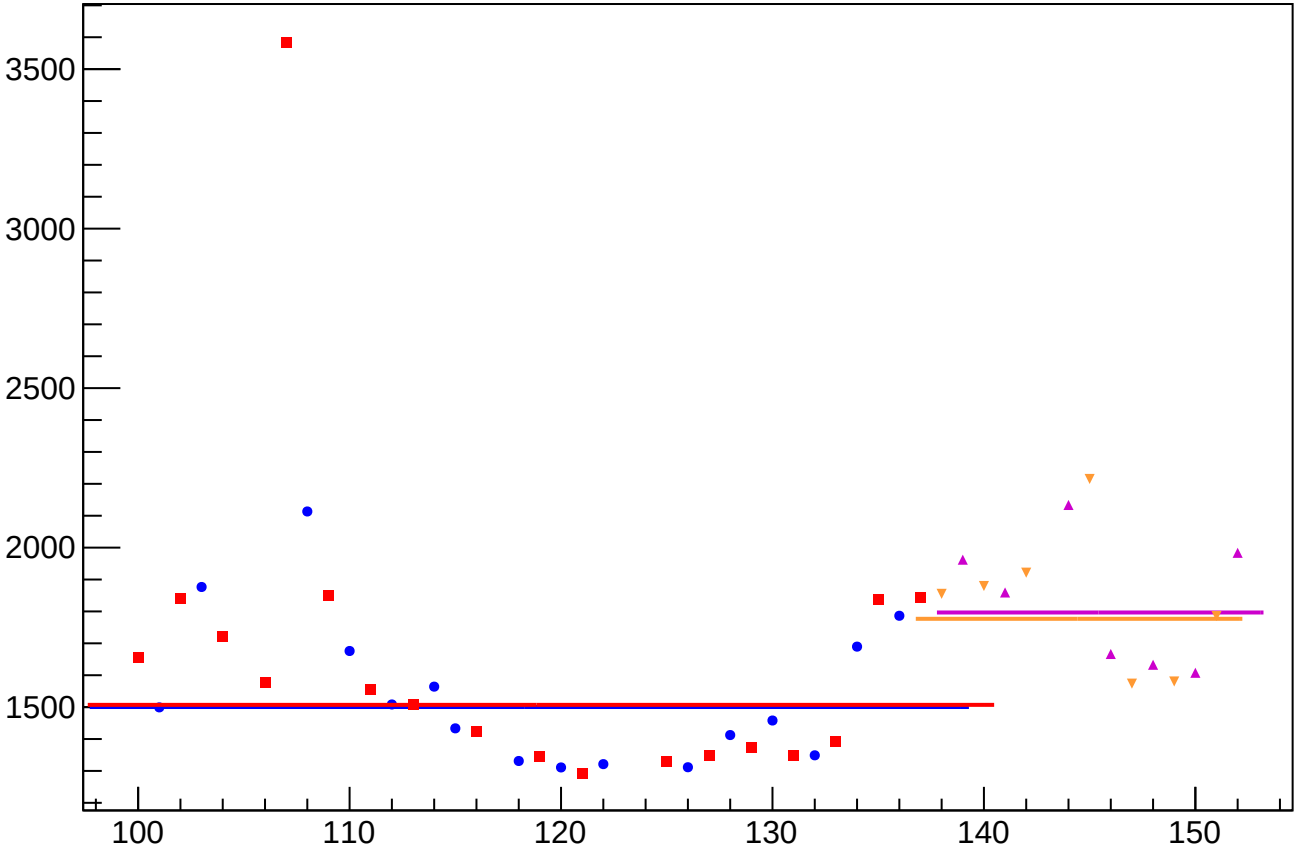
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1927.618+/-445.789 χ^2/NDF:14.7/22

Out: 1395.055+/-455.138 χ^2/NDF:25.2/24

All: 1666.863+/-318.475 χ^2/NDF: 40.6/47

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: 1796.663+/-0.516 χ^2/NDF:126601.1/6

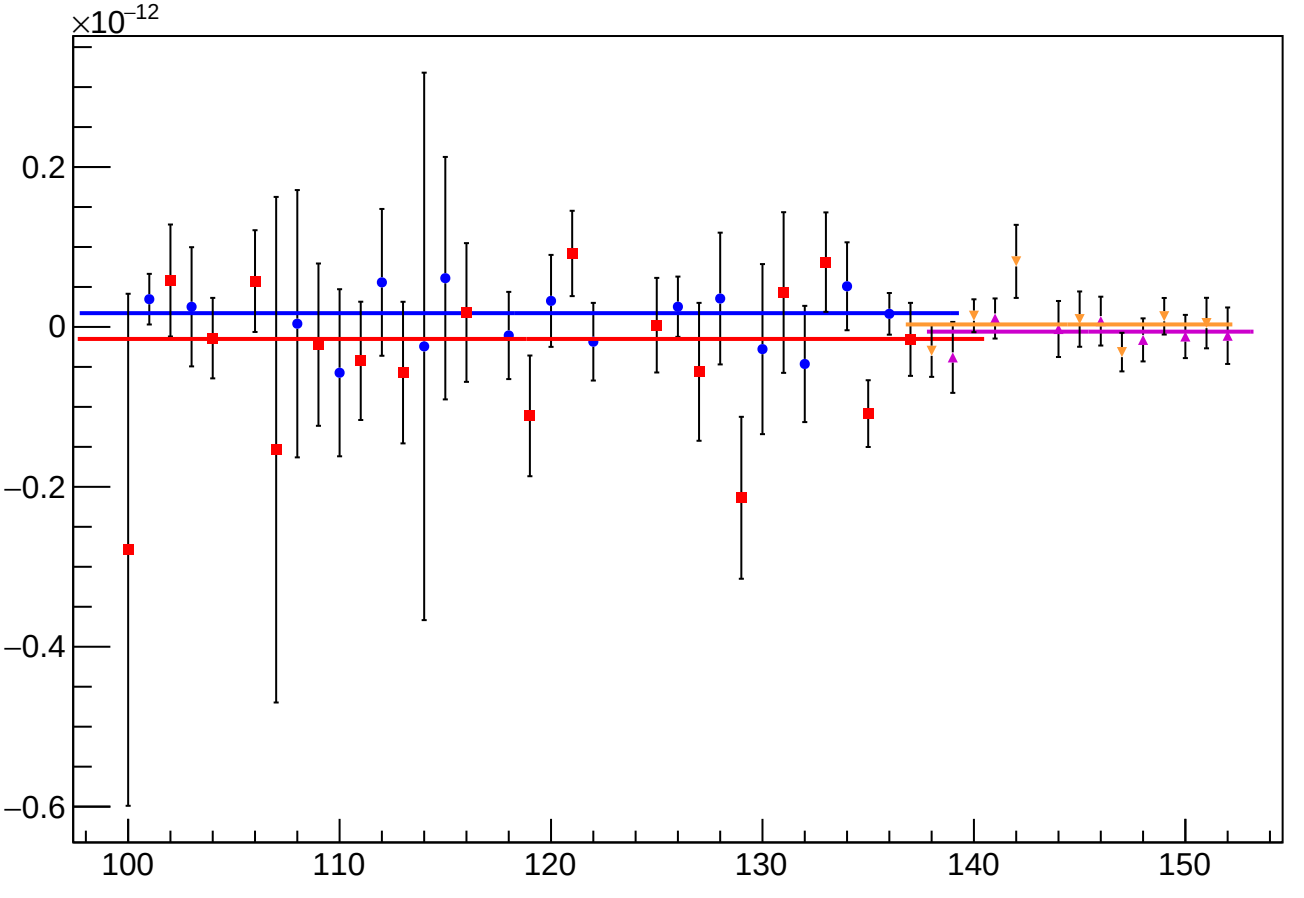
Left: 1787.307+/-0.375 χ^2/NDF: 256690.7/13

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

In: 1610.768+/-0.315 χ^2/NDF:591918.9/22

Out: 1600.908+/-0.322 χ^2/NDF:689983.4/24

All: 1605.940+/-0.225 χ^2/NDF: 1282381.4/47



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:1.4/6

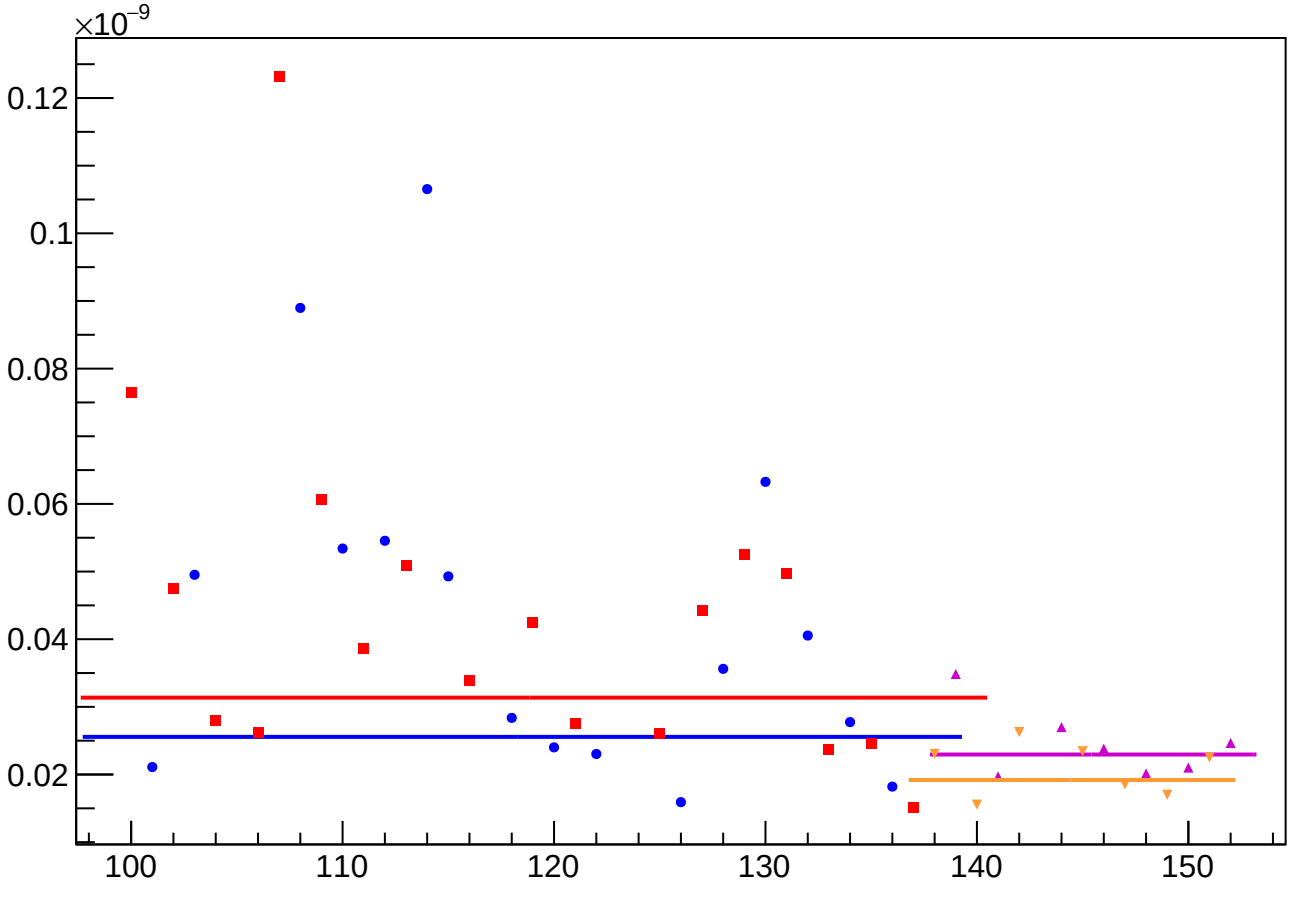
Left: -0.000+/-0.000 χ^2/NDF: 8.3/13

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:6.5/22

Out: -0.000+/-0.000 χ^2/NDF:28.8/24

All: 0.000+/-0.000 χ^2/NDF: 35.5/47



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:242359.2/6

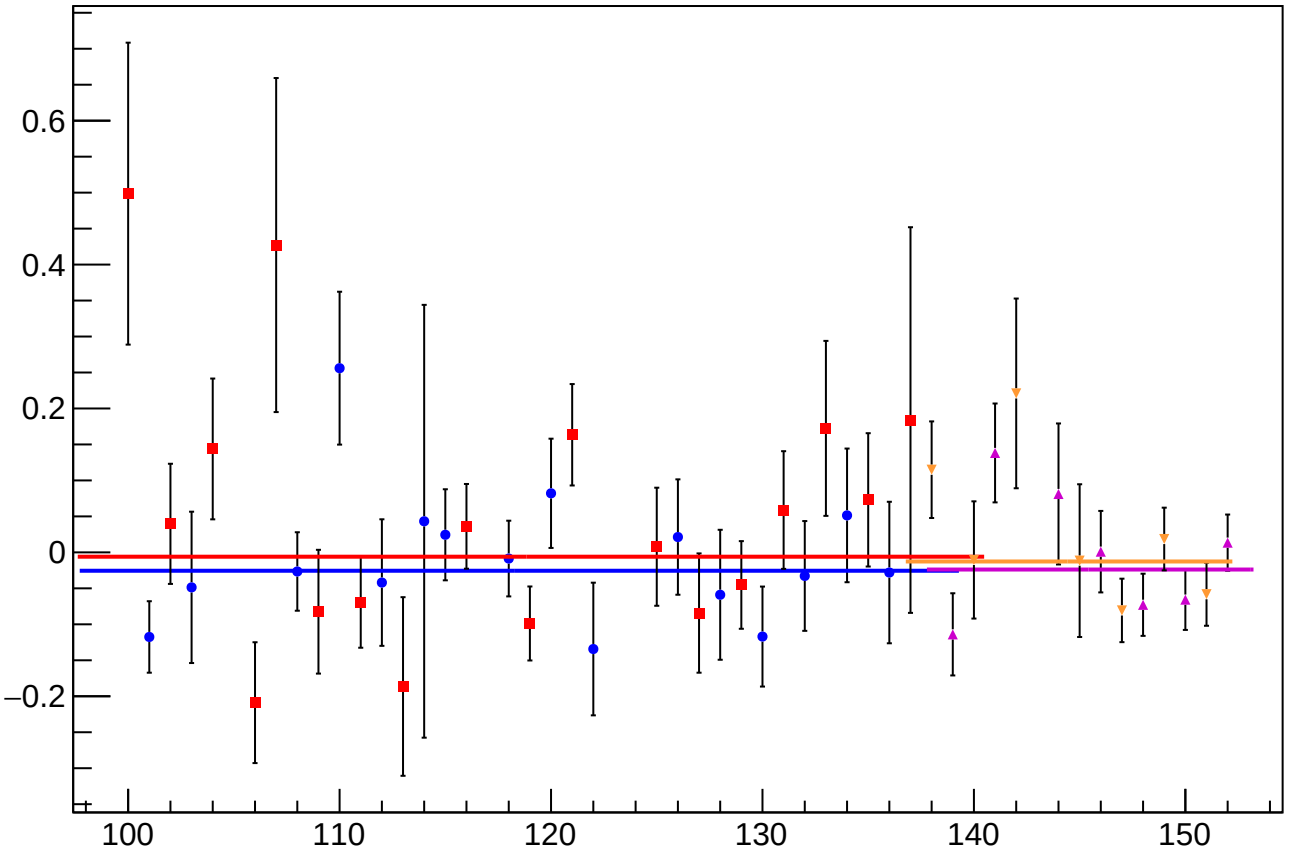
Left: 0.000+/-0.000 χ^2/NDF: 571209.9/13

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

In: 0.000+/-0.000 χ^2/NDF:1993261.1/22

Out: 0.000+/-0.000 χ^2/NDF:2246746.6/24

All: 0.000+/-0.000 χ^2/NDF: 4261417.8/47



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: -0.024+/-0.019 χ^2/NDF:12.6/6

Left: -0.019+/-0.014 χ^2/NDF: 23.4/13

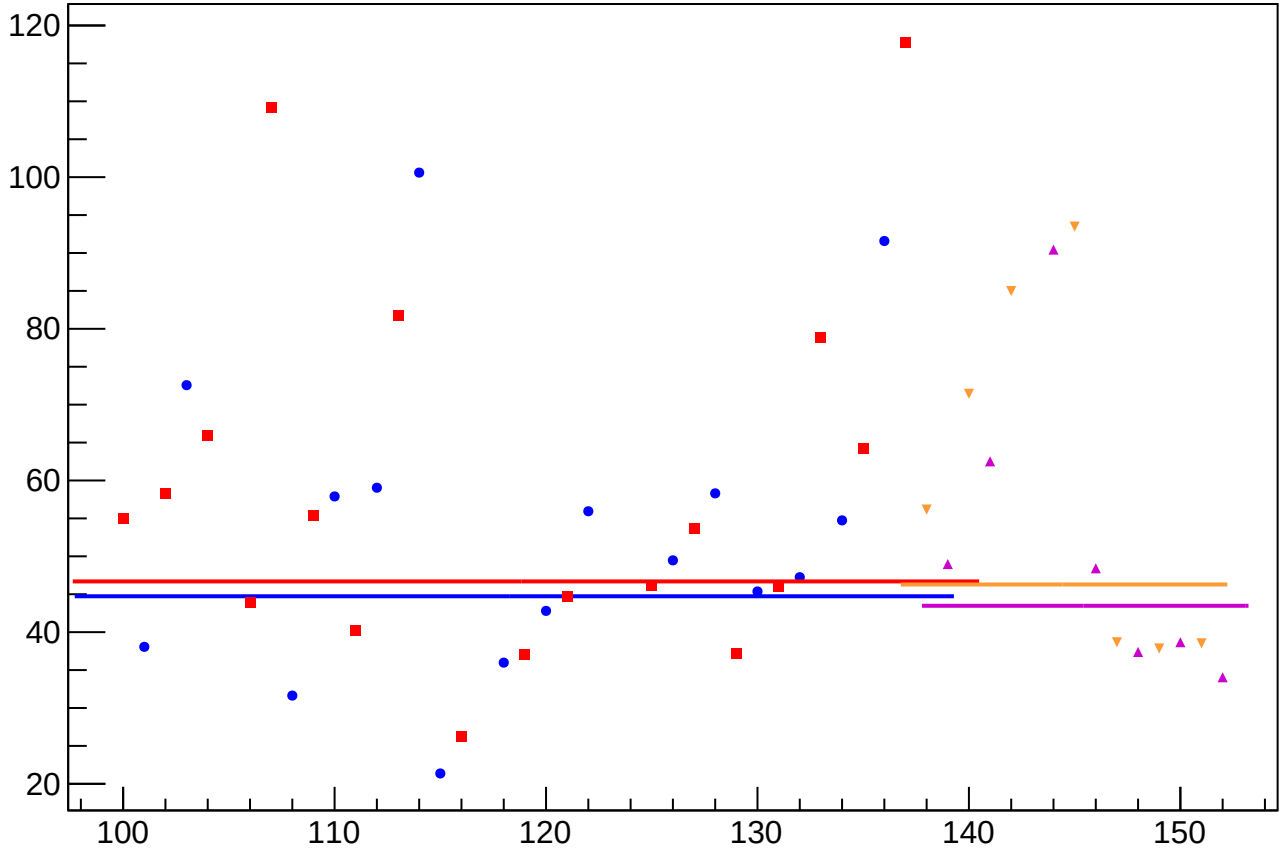
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.025+/-0.013 χ^2/NDF:30.2/22

Out: -0.009+/-0.015 χ^2/NDF:47.3/24

All: -0.017+/-0.010 χ^2/NDF: 78.2/47

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: 43.480+/-0.014 χ^2/NDF:829176.3/6

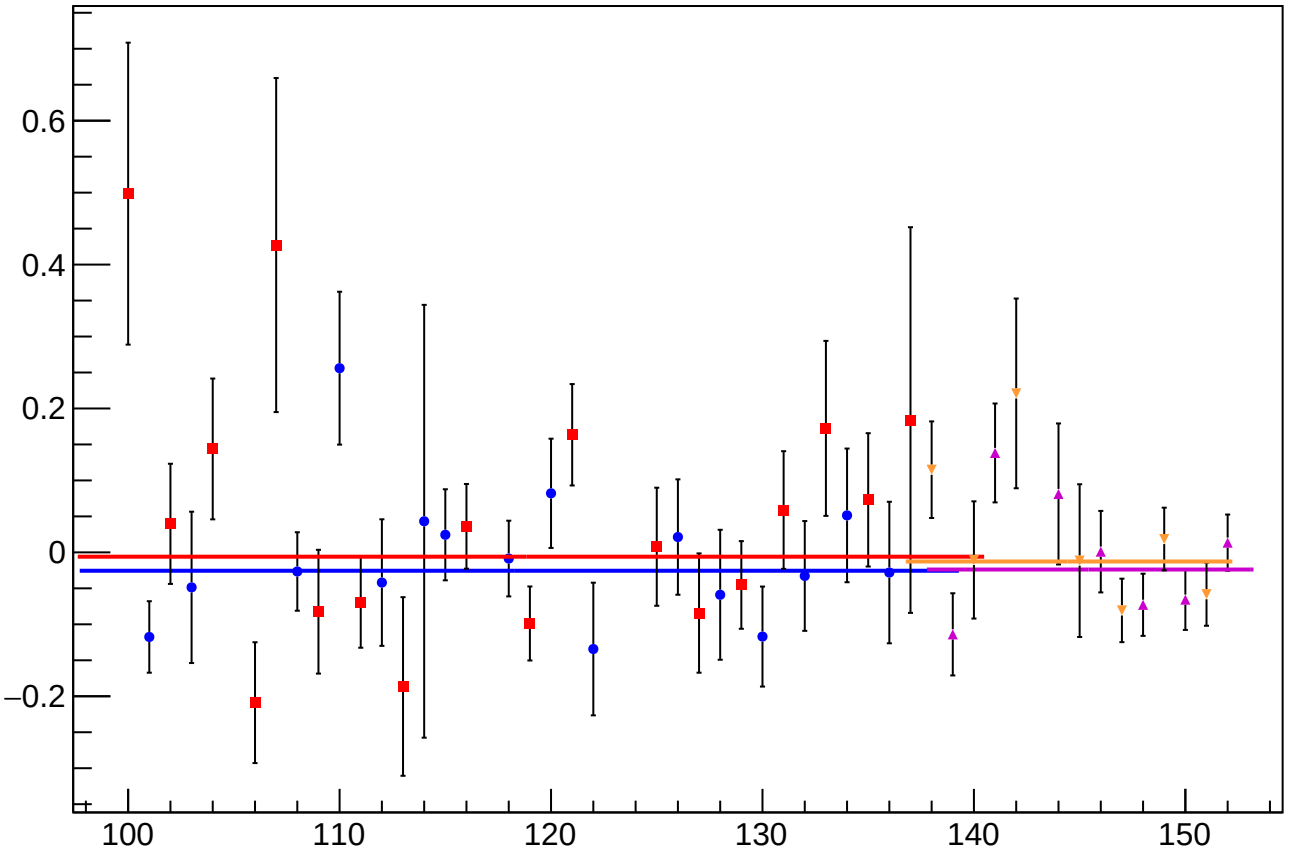
Left: 44.703+/-0.010 χ^2/NDF: 1846154.5/13

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

In: 44.123+/-0.010 χ^2/NDF:2168058.9/22

Out: 46.513+/-0.010 χ^2/NDF:2194360.0/24

All: 45.226+/-0.007 χ^2/NDF: 4391557.9/47



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: -0.024+/-0.019 χ^2/NDF:12.6/6

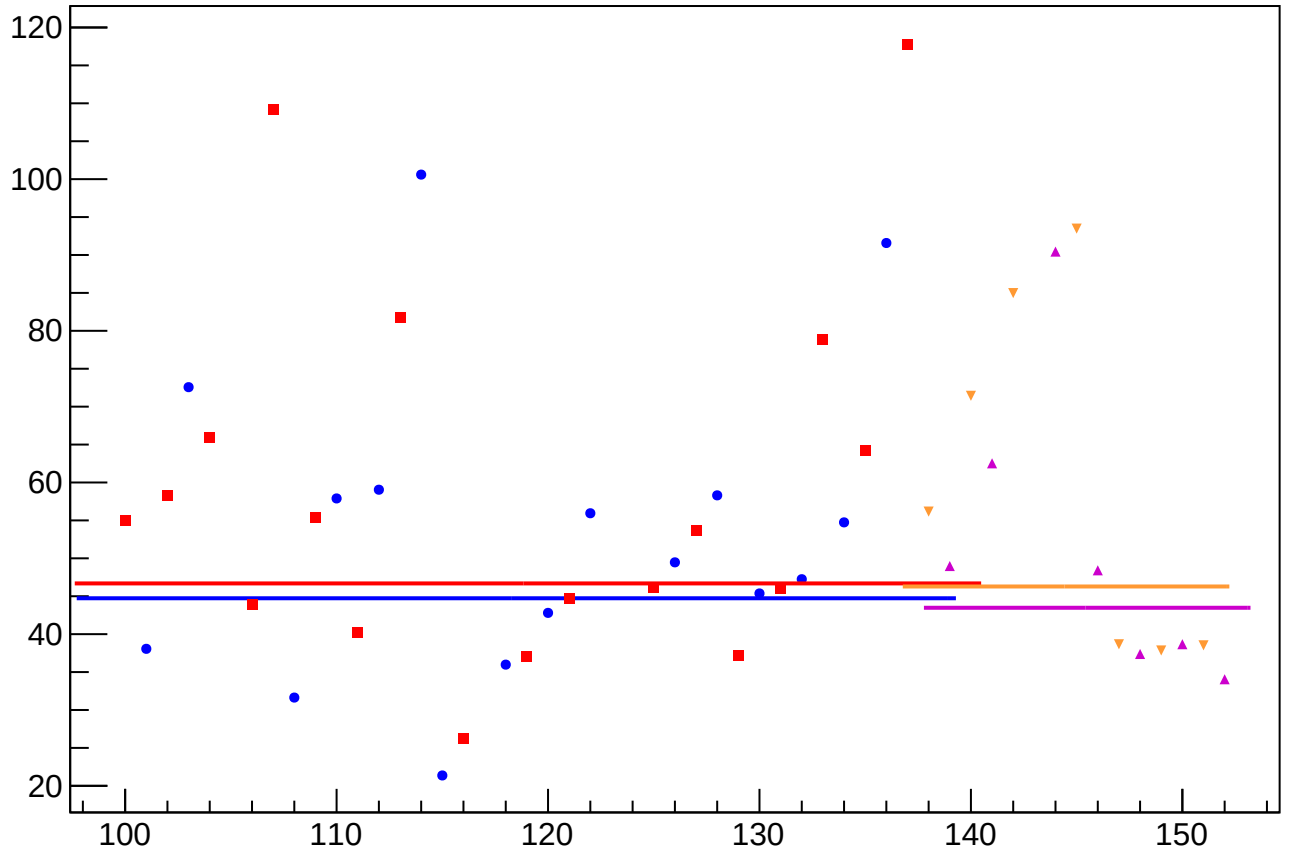
Left: -0.019+/-0.014 χ^2/NDF: 23.4/13

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

In: -0.025+/-0.013 χ^2/NDF:30.2/22

Out: -0.009+/-0.015 χ^2/NDF:47.3/24

All: -0.017+/-0.010 χ^2/NDF: 78.2/47



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: 43.480+/-0.014 χ^2/NDF:829176.3/6

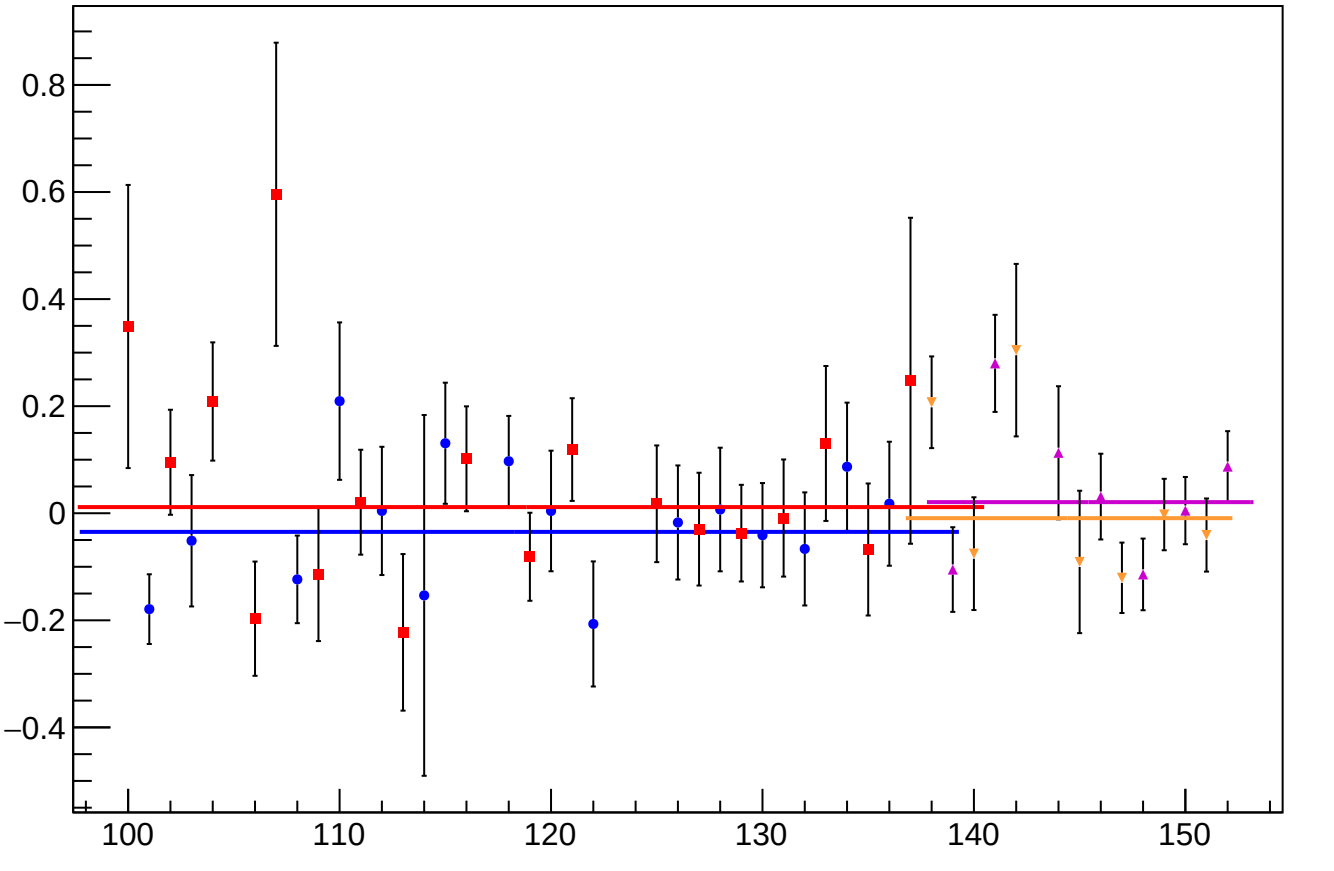
Left: 44.703+/-0.010 χ^2/NDF: 1846154.5/13

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

In: 44.123+/-0.010 χ^2/NDF:2168058.9/22

Out: 46.513+/-0.010 χ^2/NDF:2194360.0/24

All: 45.226+/-0.007 χ^2/NDF: 4391557.9/47



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: 0.021+/-0.029 χ^2/NDF:16.4/6

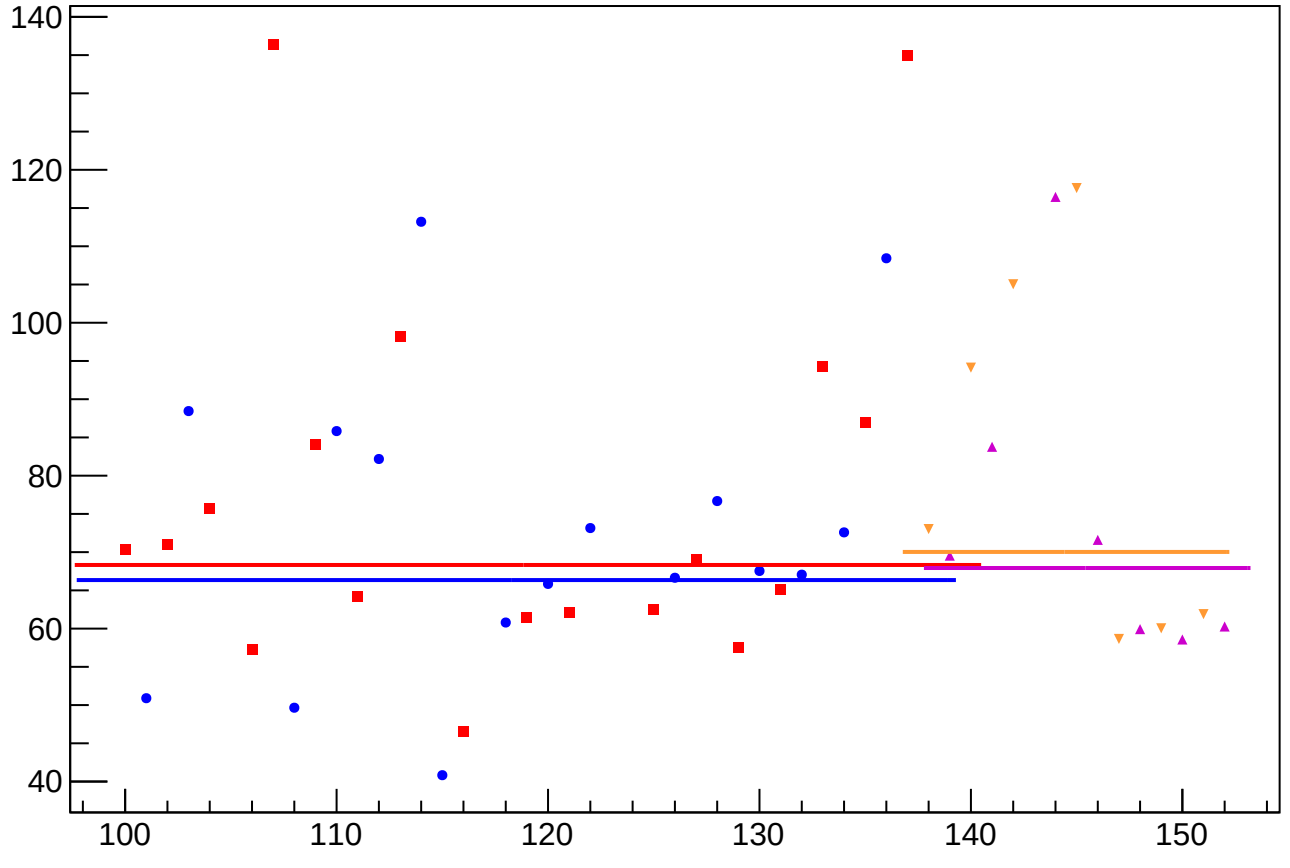
Left: 0.007+/-0.021 χ^2/NDF: 31.0/13

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

In: -0.010+/-0.019 χ^2/NDF:35.9/22

Out: 0.003+/-0.021 χ^2/NDF:37.1/24

All: -0.004+/-0.014 χ^2/NDF: 73.1/47



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: 67.925+/-0.020 χ^2/NDF:470646.8/6

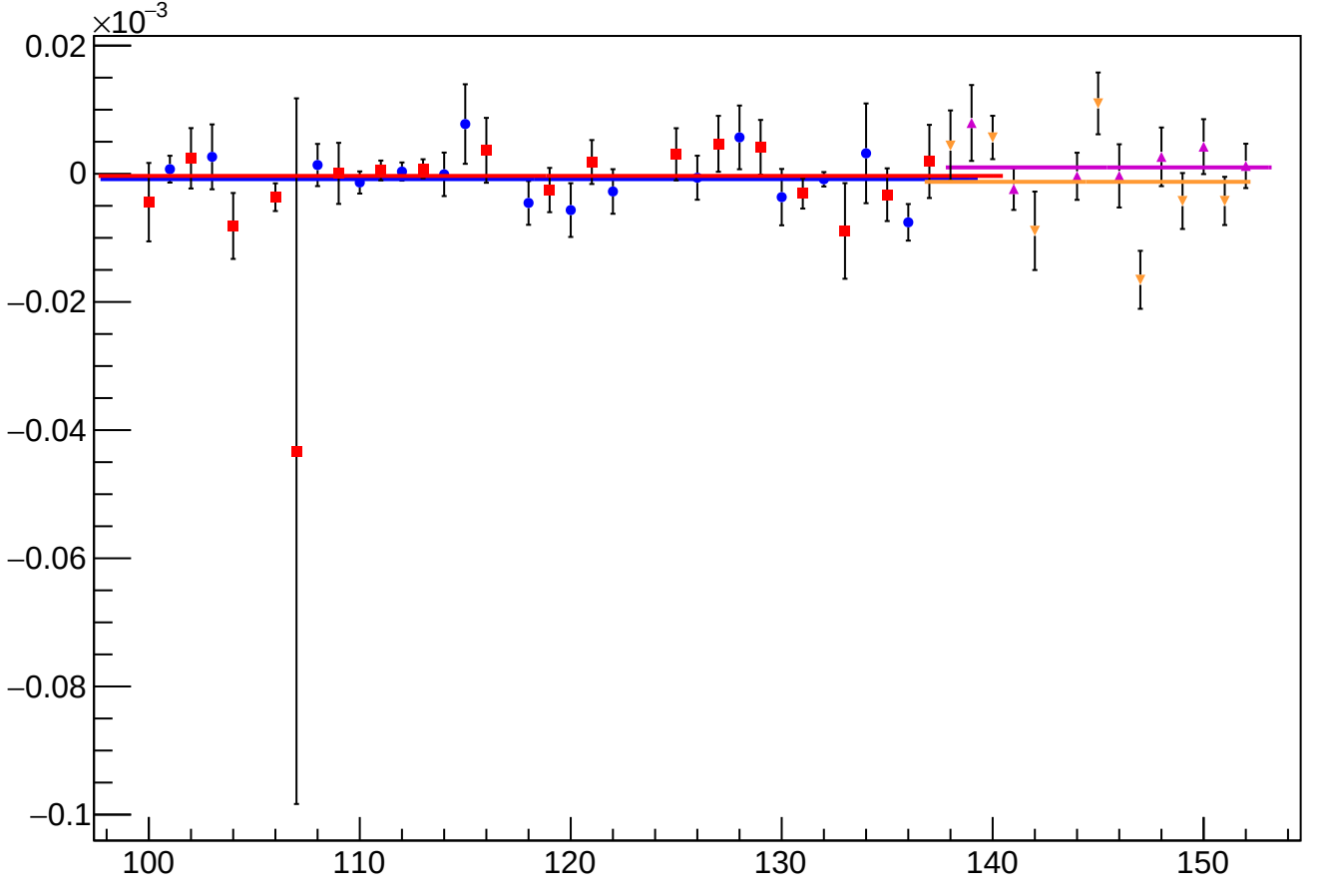
Left: 68.873+/-0.015 χ^2/NDF: 1066214.5/13

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

In: 67.065+/-0.014 χ^2/NDF:1246576.0/22

Out: 69.035+/-0.015 χ^2/NDF:1223784.3/24

All: 67.995+/-0.010 χ^2/NDF: 2480084.3/47



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:3.4/6

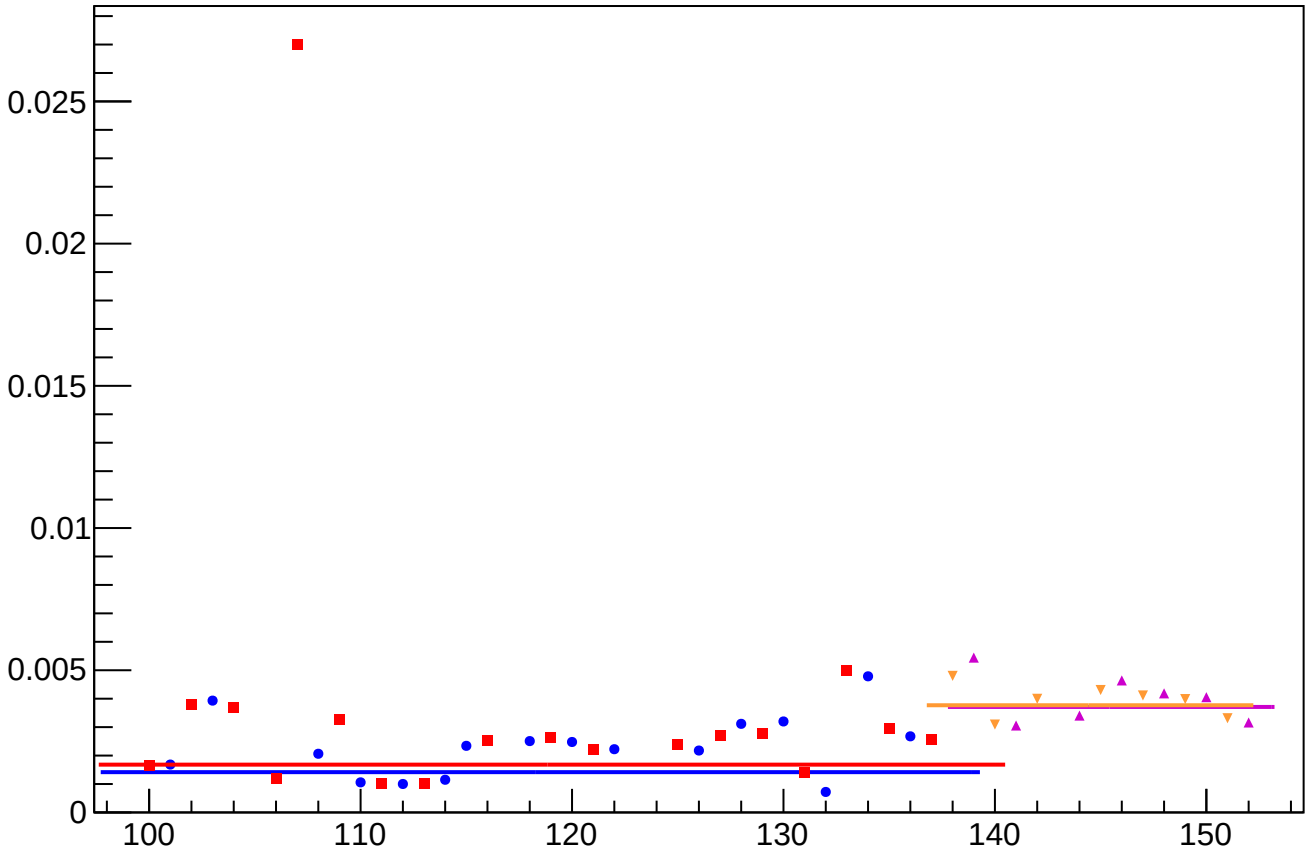
Left: -0.000+/-0.000 χ^2/NDF: 30.1/13

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

In: -0.000+/-0.000 χ^2/NDF:19.6/22

Out: -0.000+/-0.000 χ^2/NDF:40.8/24

All: -0.000+/-0.000 χ^2/NDF: 60.4/47



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:421319.2/6

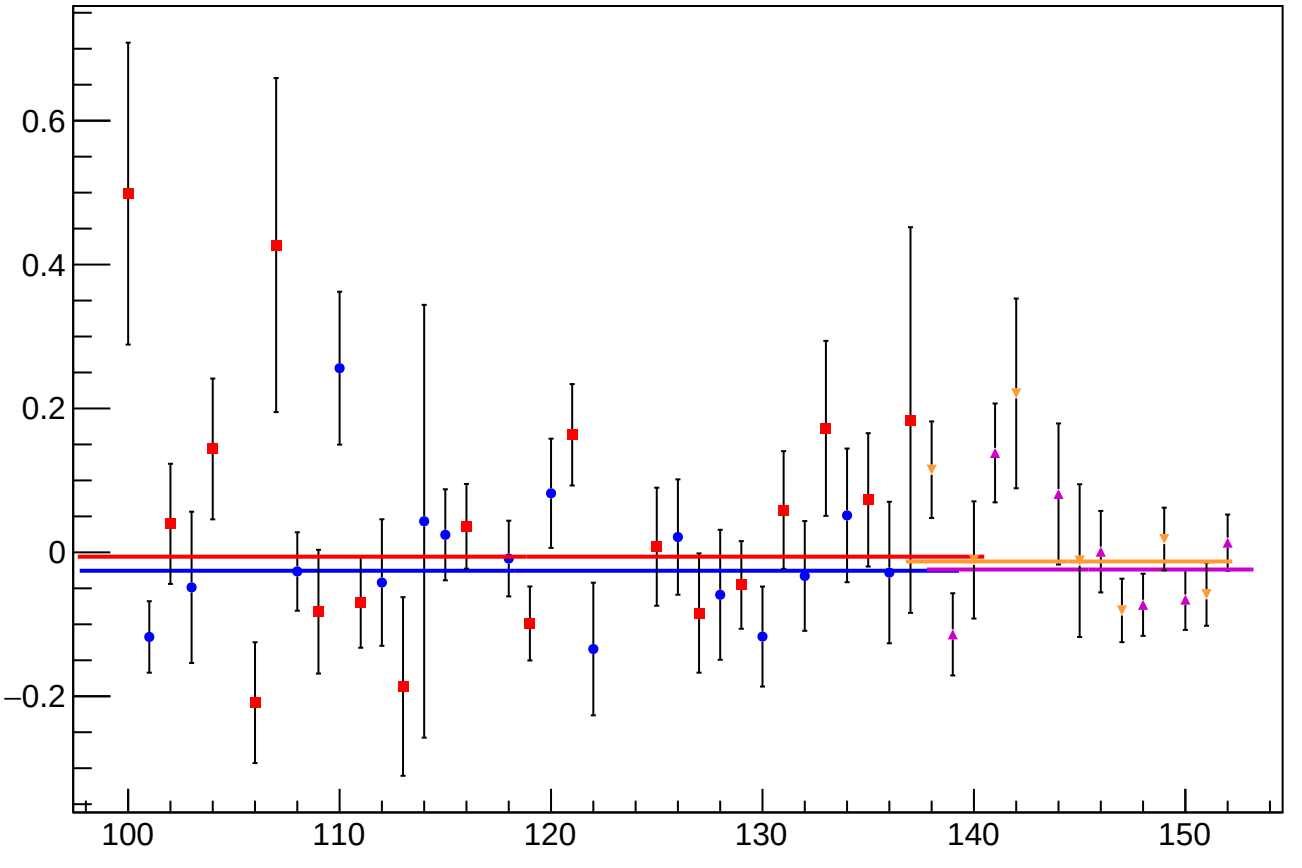
Left: 0.004+/-0.000 χ^2/NDF: 647419.8/13

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

In: 0.002+/-0.000 χ^2/NDF:7803023.5/22

Out: 0.002+/-0.000 χ^2/NDF:6306928.2/24

All: 0.002+/-0.000 χ^2/NDF: 14314556.9/47



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: -0.024+/-0.019 χ^2/NDF:12.6/6

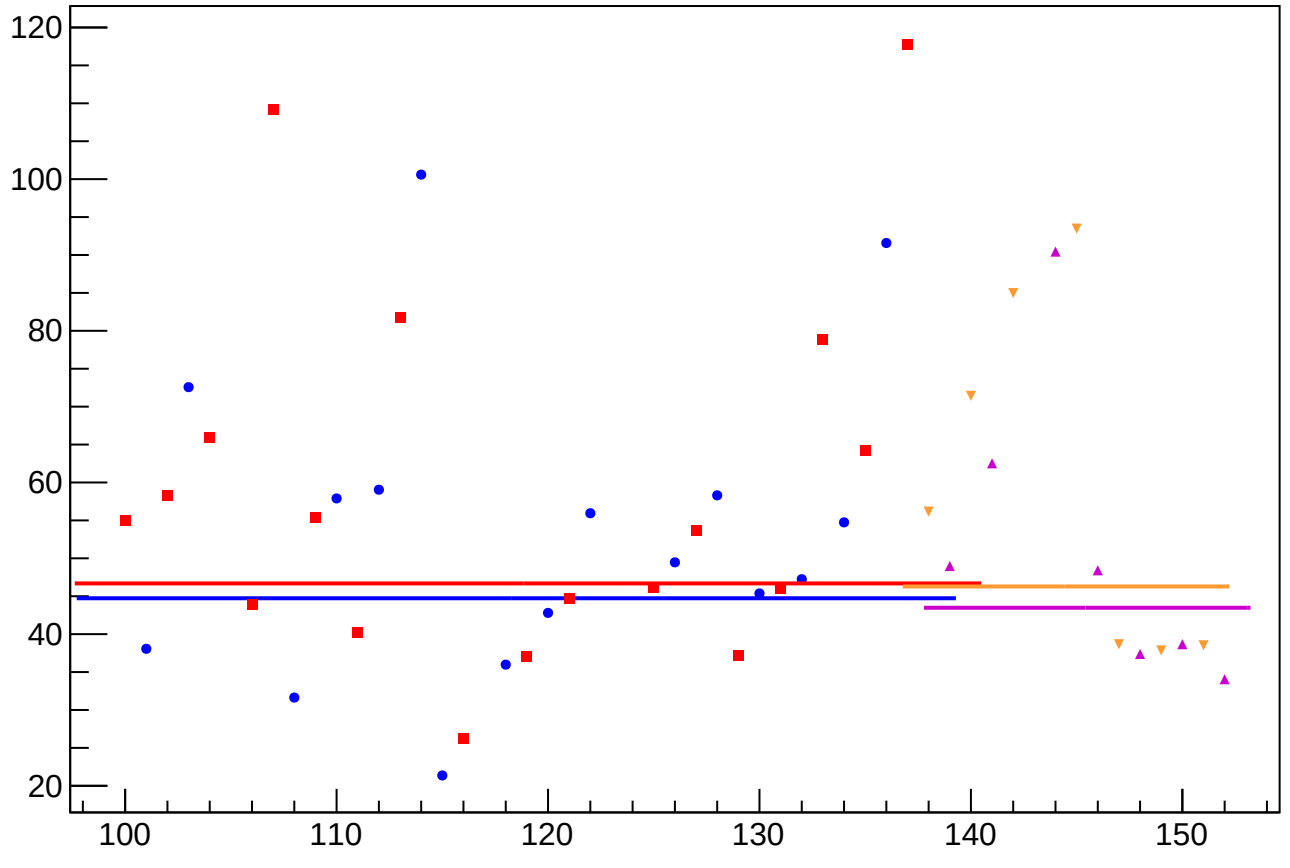
Left: -0.019+/-0.014 χ^2/NDF: 23.4/13

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

In: -0.025+/-0.013 χ^2/NDF:30.2/22

Out: -0.009+/-0.015 χ^2/NDF:47.3/24

All: -0.017+/-0.010 χ^2/NDF: 78.2/47



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: 43.480+/-0.014 χ^2/NDF:829155.1/6

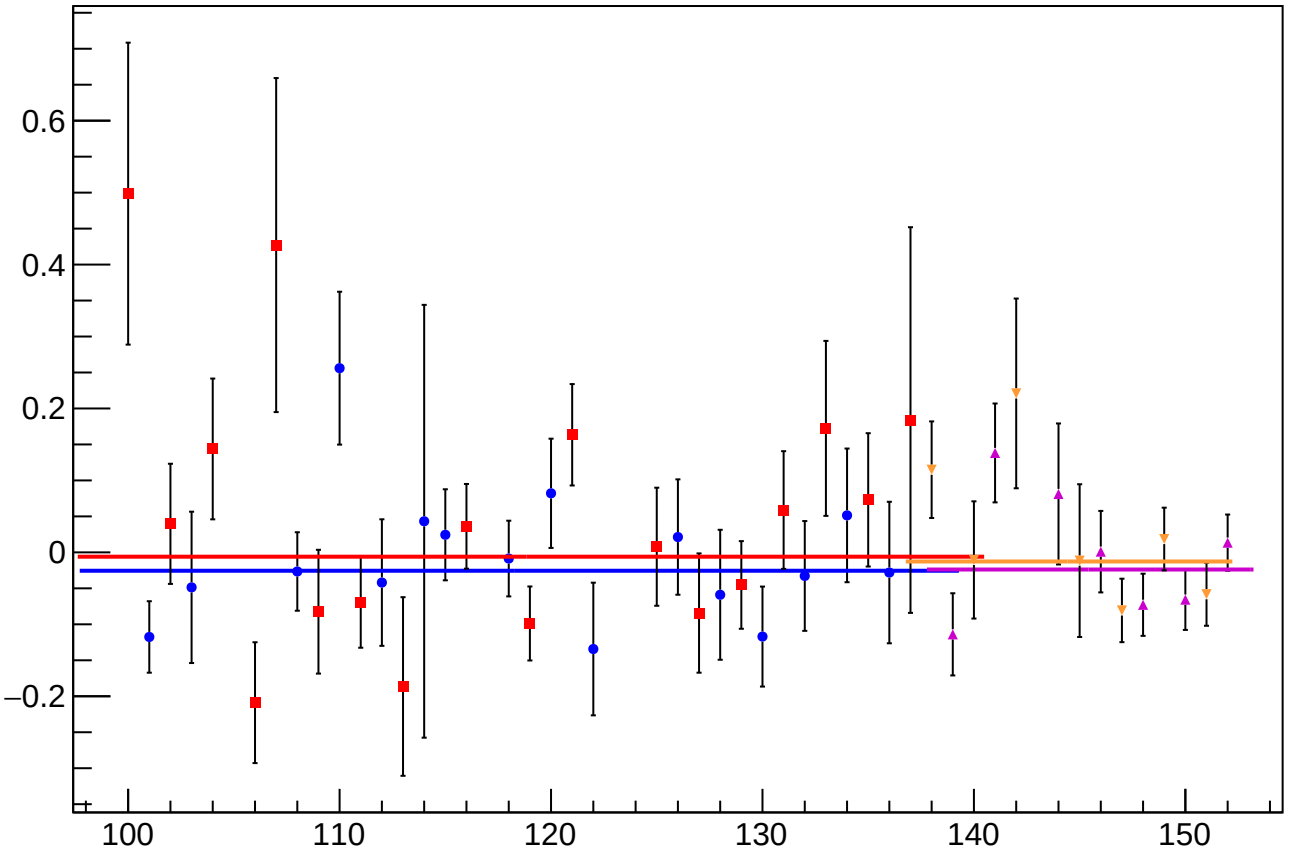
Left: 44.703+/-0.010 χ^2/NDF: 1846079.1/13

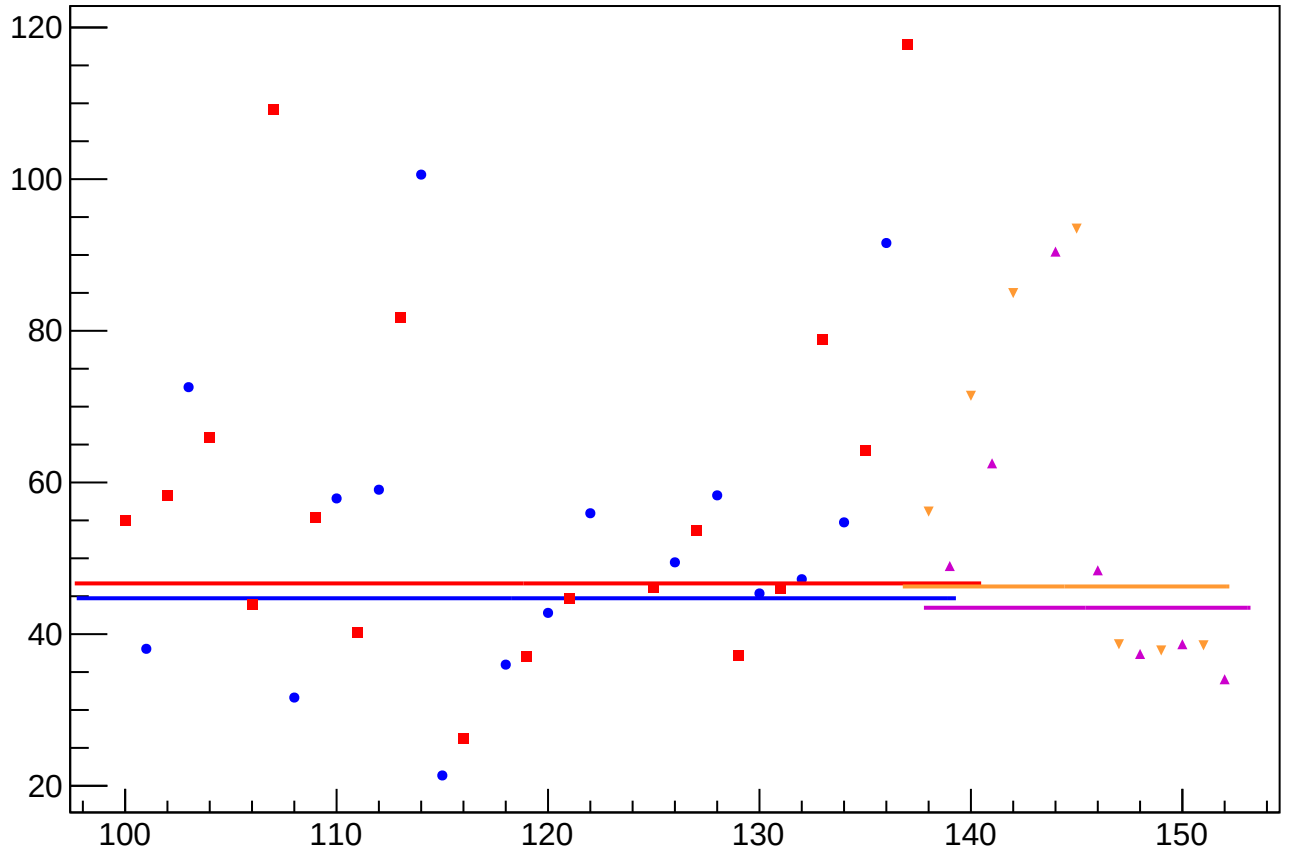
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.123+/-0.010 χ^2/NDF:2168090.3/22

Out: 46.513+/-0.010 χ^2/NDF:2194339.6/24

All: 45.226+/-0.007 χ^2/NDF: 4391569.7/47


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: -0.026+/-0.019 χ²/NDF: 17.6/15
Left Out: -0.013+/-0.022 χ²/NDF:10.7/6
Right Out: -0.006+/-0.019 χ²/NDF: 36.5/17
Left In: -0.024+/-0.019 χ²/NDF:12.6/6
Left: -0.019+/-0.014 χ²/NDF: 23.4/13
Right: -0.016+/-0.013 χ²/NDF: 54.7/33
In: -0.025+/-0.013 χ²/NDF:30.2/22
Out: -0.009+/-0.015 χ²/NDF:47.3/24
All: -0.017+/-0.010 χ²/NDF: 78.2/47



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: 43.480+/-0.014 χ^2/NDF:829155.1/6

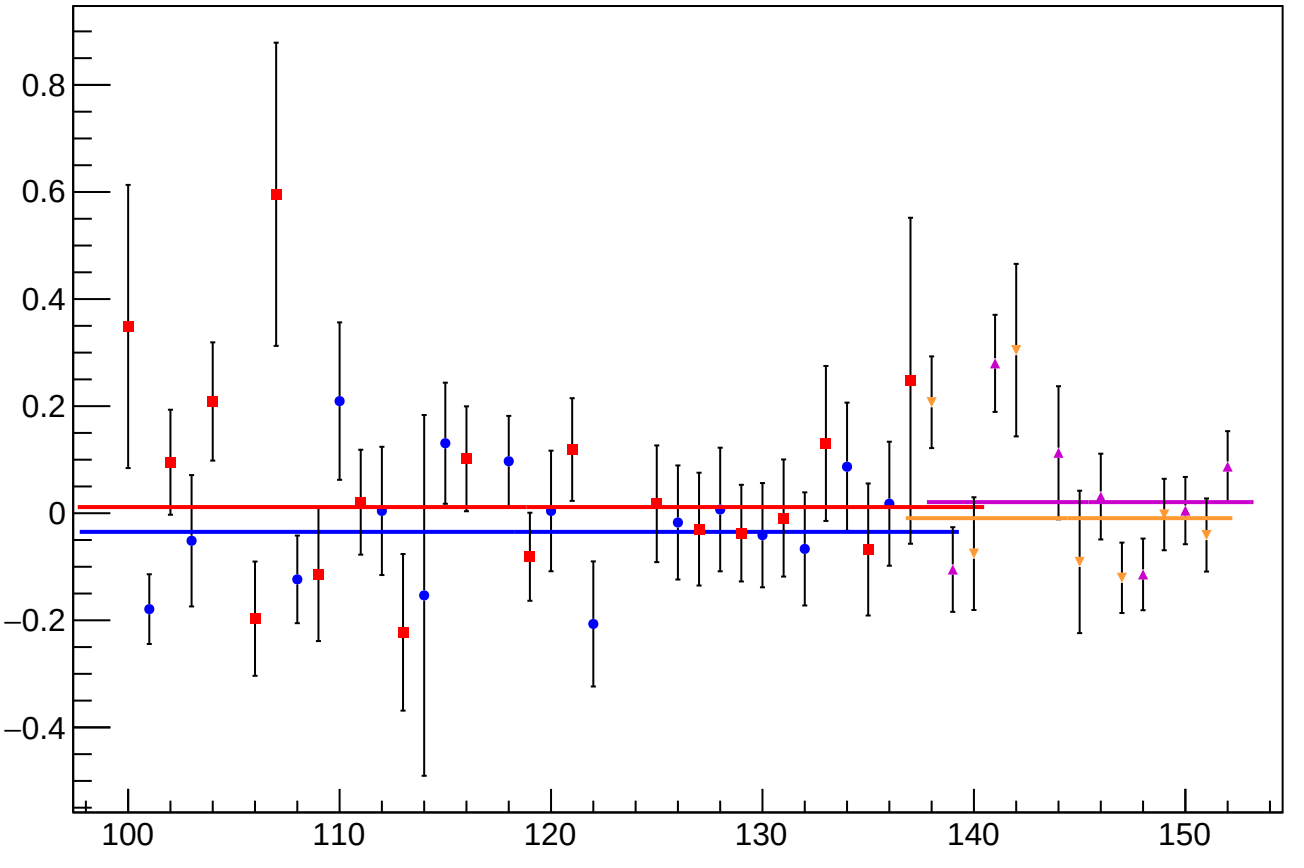
Left: 44.703+/-0.010 χ^2/NDF: 1846079.1/13

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

In: 44.123+/-0.010 χ^2/NDF:2168090.3/22

Out: 46.513+/-0.010 χ^2/NDF:2194339.6/24

All: 45.226+/-0.007 χ^2/NDF: 4391569.7/47



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: 0.021+/-0.029 χ^2/NDF:16.4/6

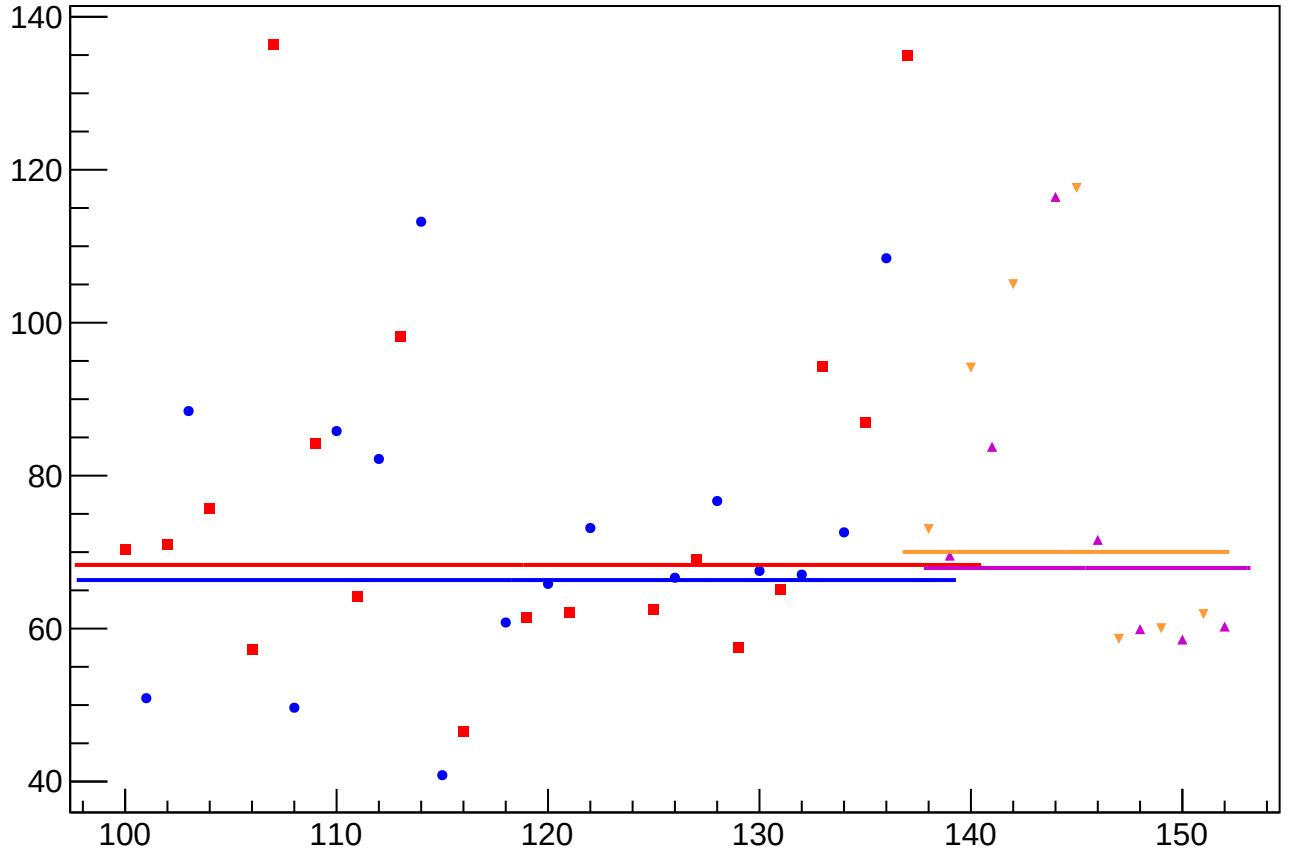
Left: 0.007+/-0.021 χ^2/NDF: 31.0/13

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

In: -0.010+/-0.019 χ^2/NDF:35.9/22

Out: 0.003+/-0.021 χ^2/NDF:37.1/24

All: -0.004+/-0.014 χ^2/NDF: 73.1/47



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: 67.926+/-0.020 χ^2/NDF:470634.9/6

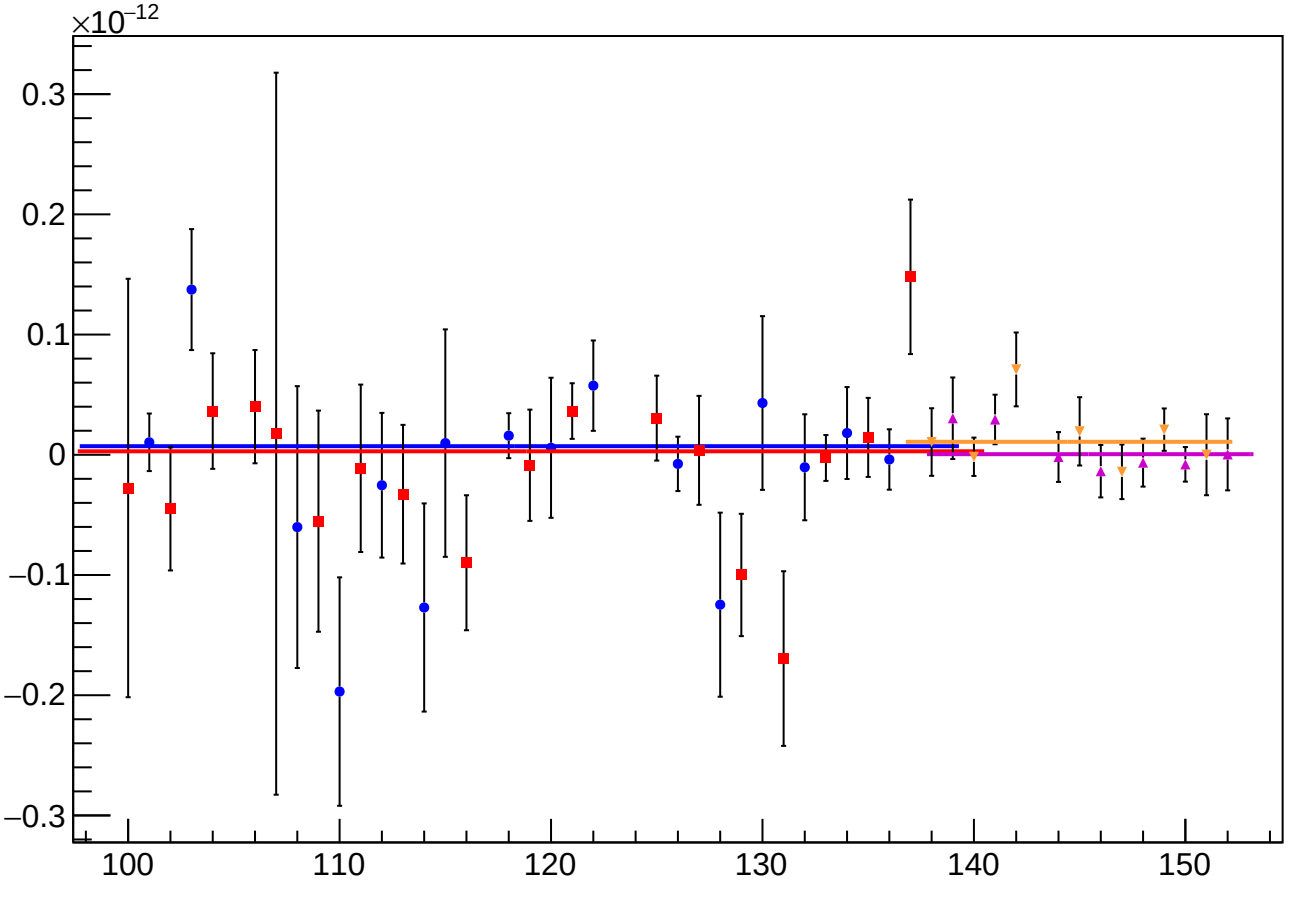
Left: 68.874+/-0.015 χ^2/NDF: 1066183.3/13

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

In: 67.065+/-0.014 χ^2/NDF:1246574.7/22

Out: 69.034+/-0.015 χ^2/NDF:1223764.9/24

All: 67.994+/-0.010 χ^2/NDF: 2480062.1/47



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:3.6/6

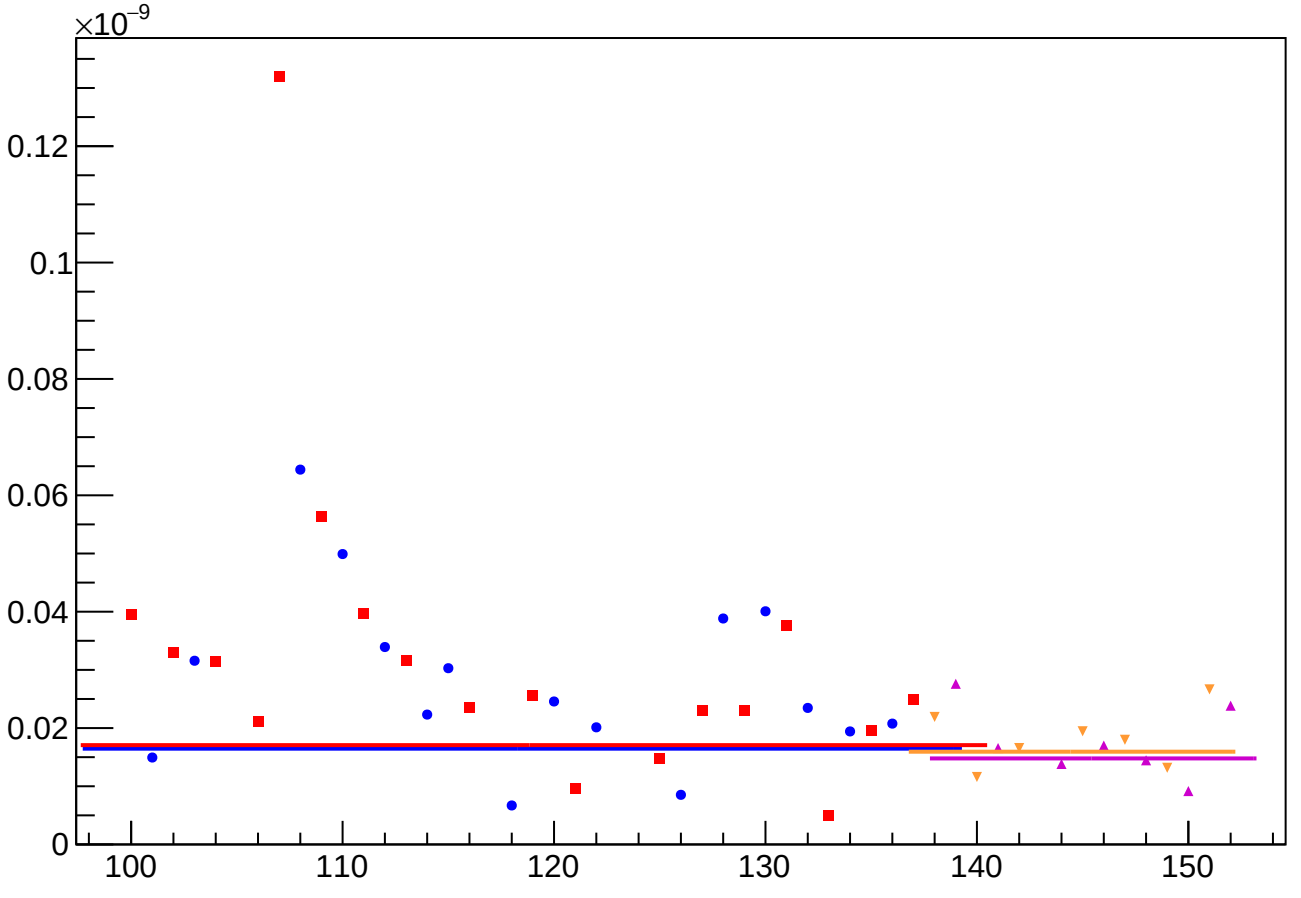
Left: 0.000+/-0.000 χ^2/NDF: 10.6/13

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:24.4/22

Out: 0.000+/-0.000 χ^2/NDF:29.9/24

All: 0.000+/-0.000 χ^2/NDF: 54.5/47



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:813288.2/6

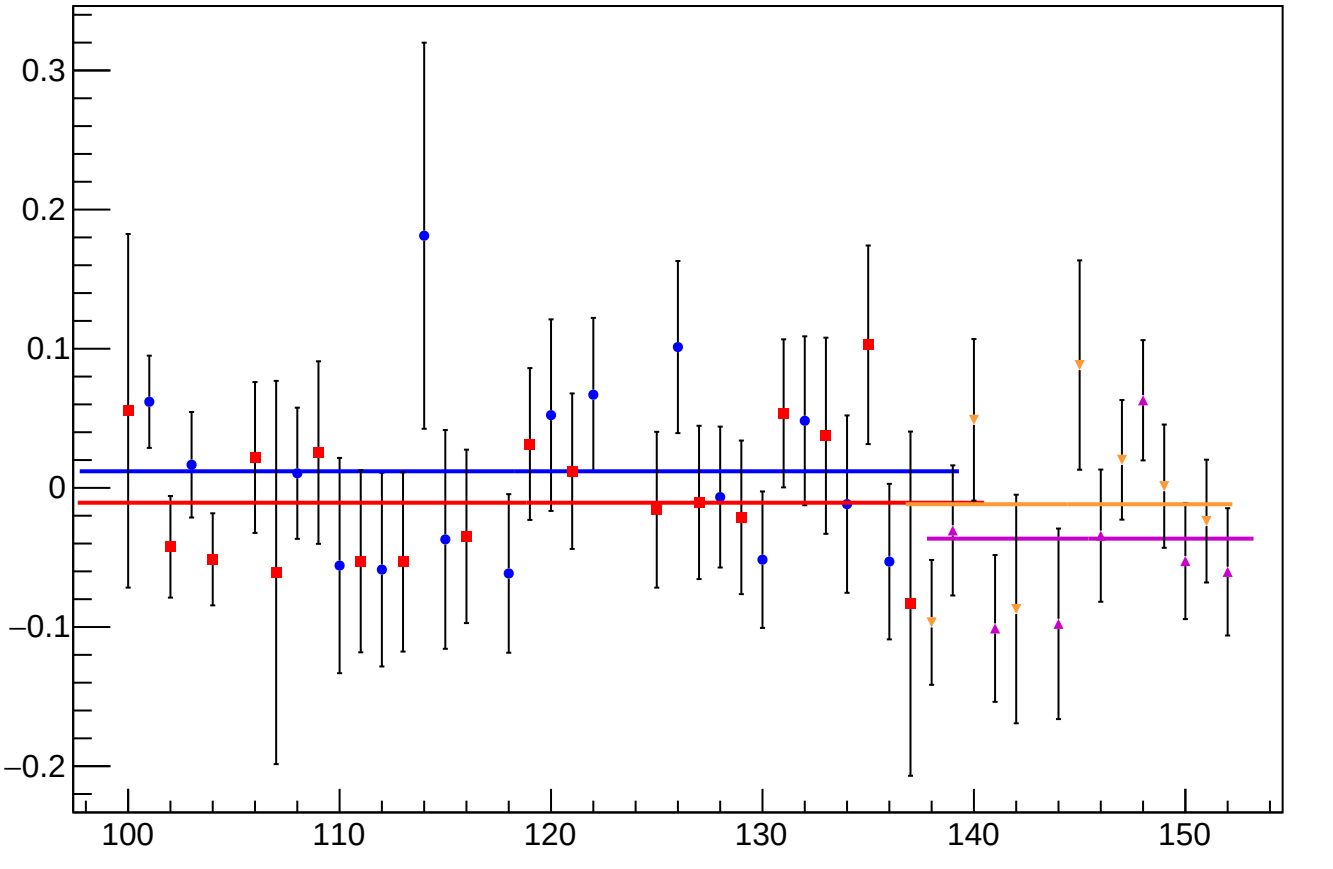
Left: 0.000+/-0.000 χ^2/NDF: 1370602.1/13

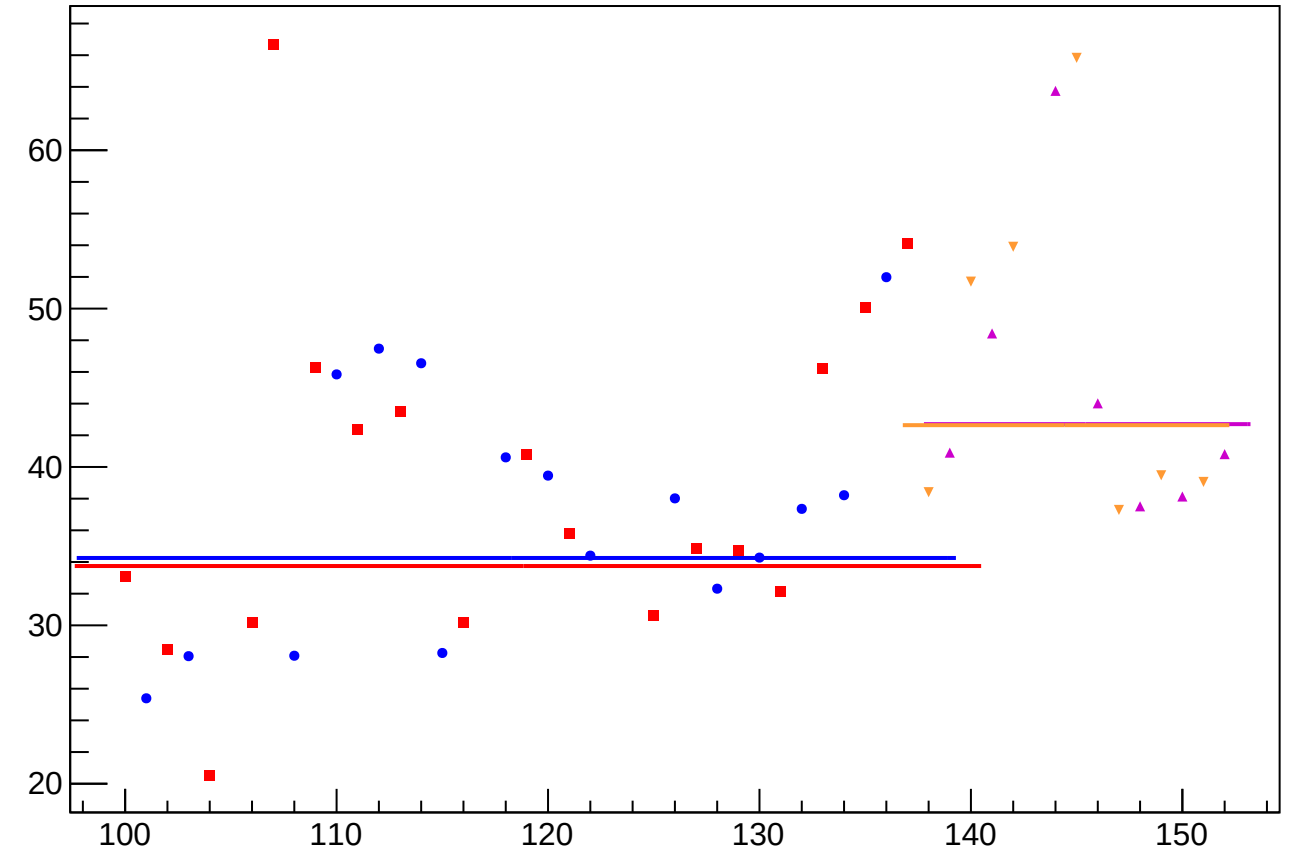
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:3197590.6/22

Out: 0.000+/-0.000 χ^2/NDF:3343901.2/24

All: 0.000+/-0.000 χ^2/NDF: 6564088.3/47


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: -0.036+/-0.018 χ²/NDF:8.0/6
Left: -0.025+/-0.013 χ²/NDF: 16.9/13
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.006+/-0.011 χ²/NDF:27.3/22
Out: -0.011+/-0.011 χ²/NDF:17.9/24
All: -0.008+/-0.008 χ²/NDF: 45.4/47



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 42.640+/-0.014 χ^2/NDF:348603.5/6

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 42.705+/-0.013 χ^2/NDF:273233.6/6

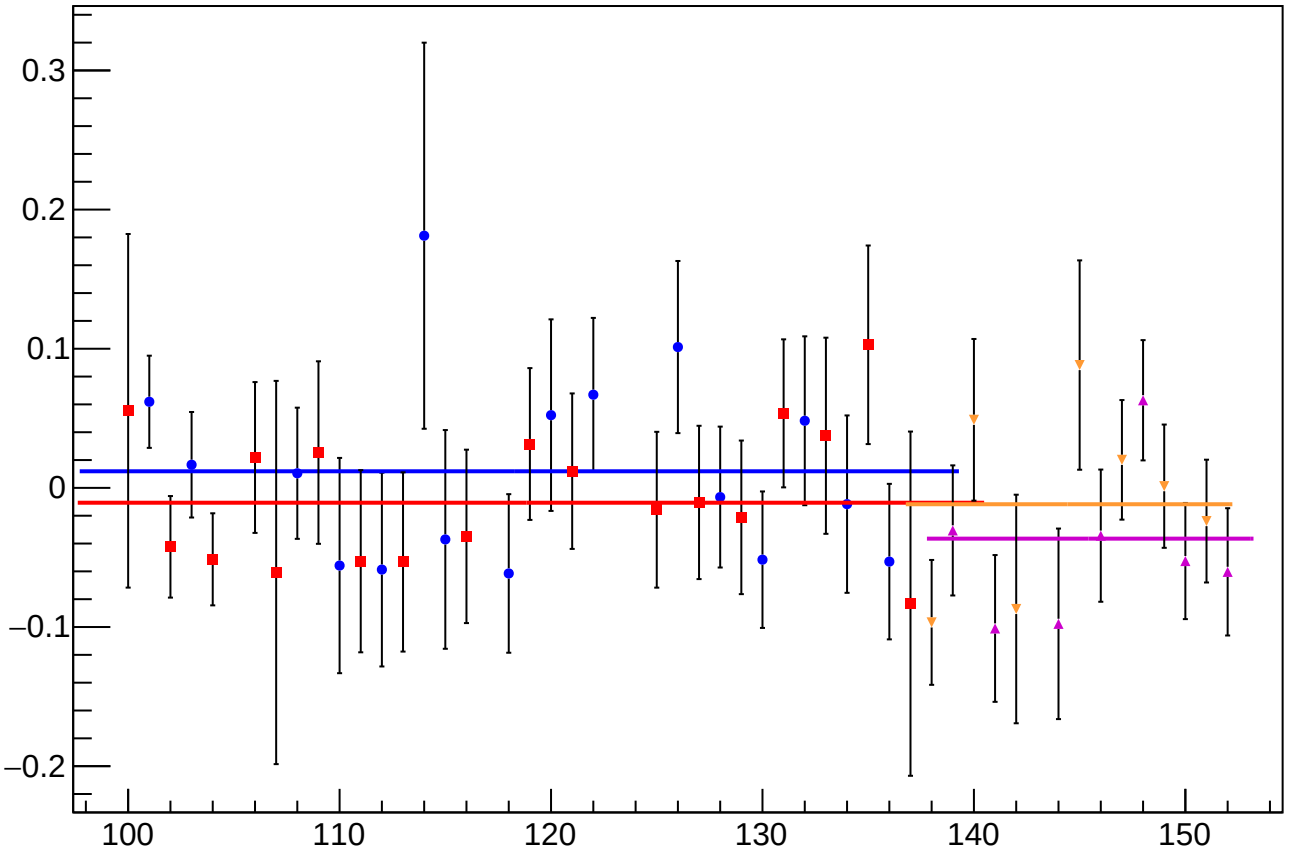
Left: 42.674+/-0.009 χ^2/NDF: 621849.3/13

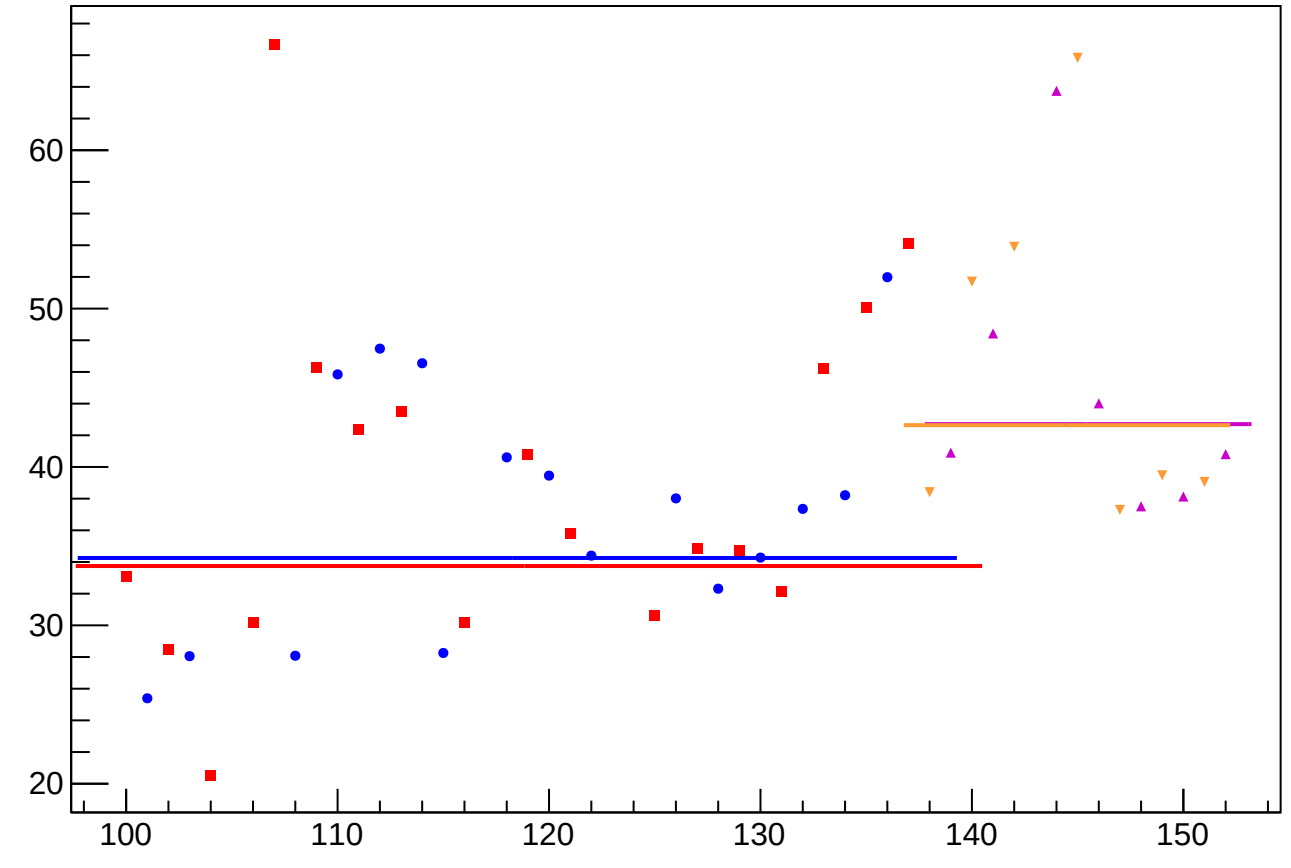
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.313+/-0.008 χ^2/NDF:1188179.1/22

Out: 36.650+/-0.008 χ^2/NDF:1546378.9/24

All: 36.986+/-0.005 χ^2/NDF: 2738222.3/47


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: -0.036+/-0.018 χ²/NDF:8.0/6
Left: -0.025+/-0.013 χ²/NDF: 16.9/13
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.006+/-0.011 χ²/NDF:27.3/22
Out: -0.011+/-0.011 χ²/NDF:17.9/24
All: -0.008+/-0.008 χ²/NDF: 45.4/47



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 42.640+/-0.014 χ^2/NDF:348603.5/6

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 42.705+/-0.013 χ^2/NDF:273233.6/6

Left: 42.674+/-0.009 χ^2/NDF: 621849.3/13

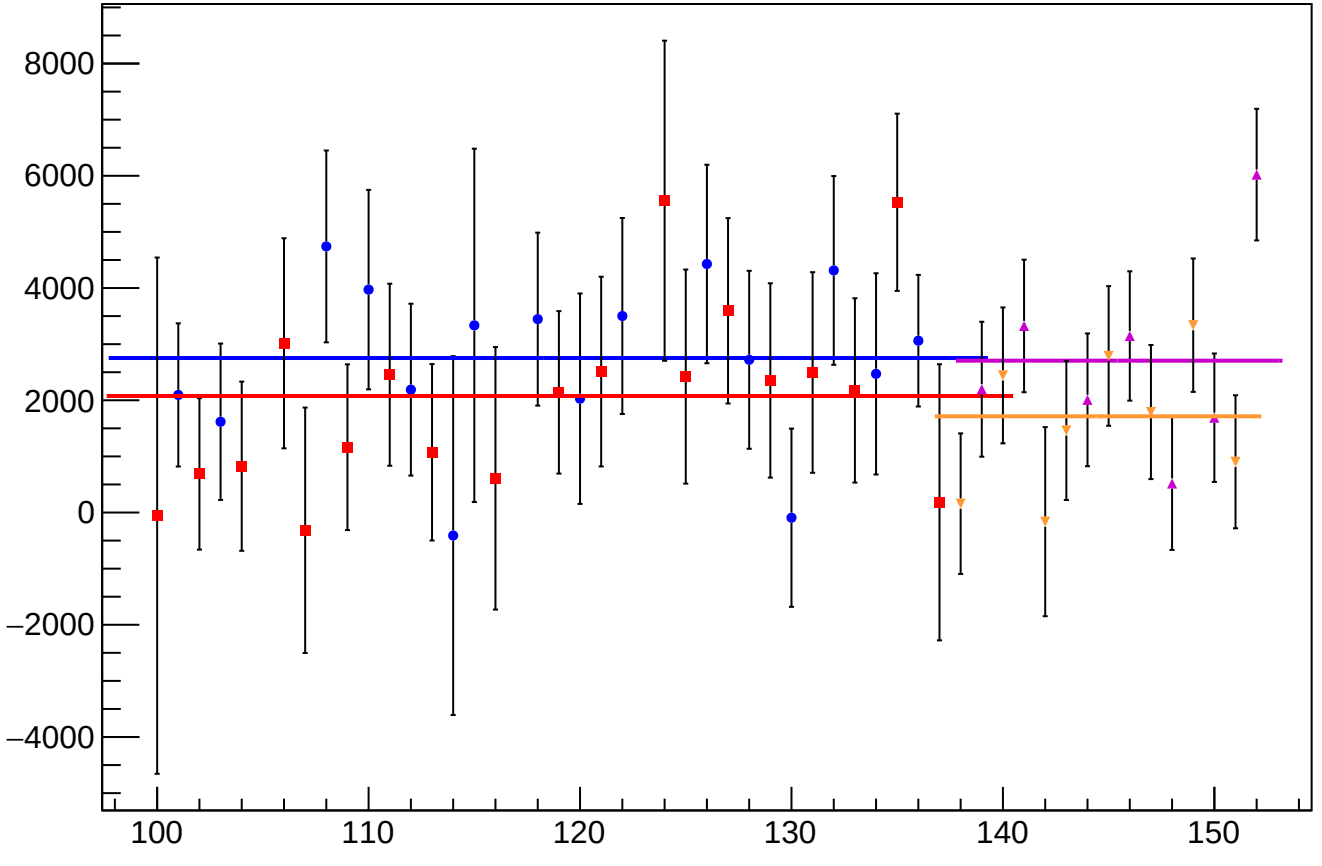
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.313+/-0.008 χ^2/NDF:1188179.1/22

Out: 36.650+/-0.008 χ^2/NDF:1546378.9/24

All: 36.986+/-0.005 χ^2/NDF: 2738222.3/47

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: 2705.599+/-443.560 χ^2/NDF:13.2/6

Left: 2209.754+/-313.546 χ^2/NDF: 21.9/14

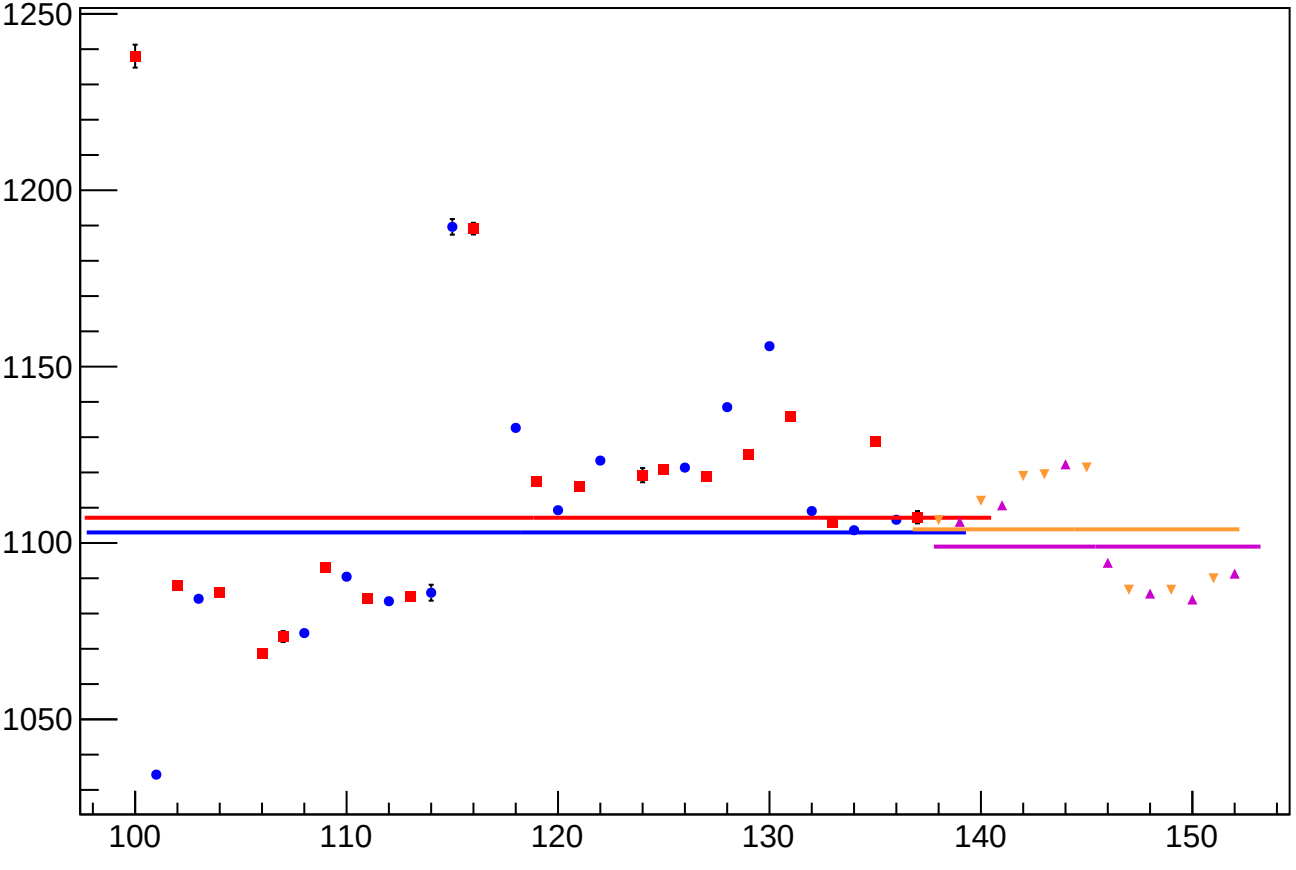
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2731.236+/-301.016 χ^2/NDF:22.7/22

Out: 1912.335+/-298.513 χ^2/NDF:19.2/26

All: 2318.367+/-211.960 χ^2/NDF: 45.6/49

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: 1098.974+/-0.314 χ^2/NDF:1757.4/6

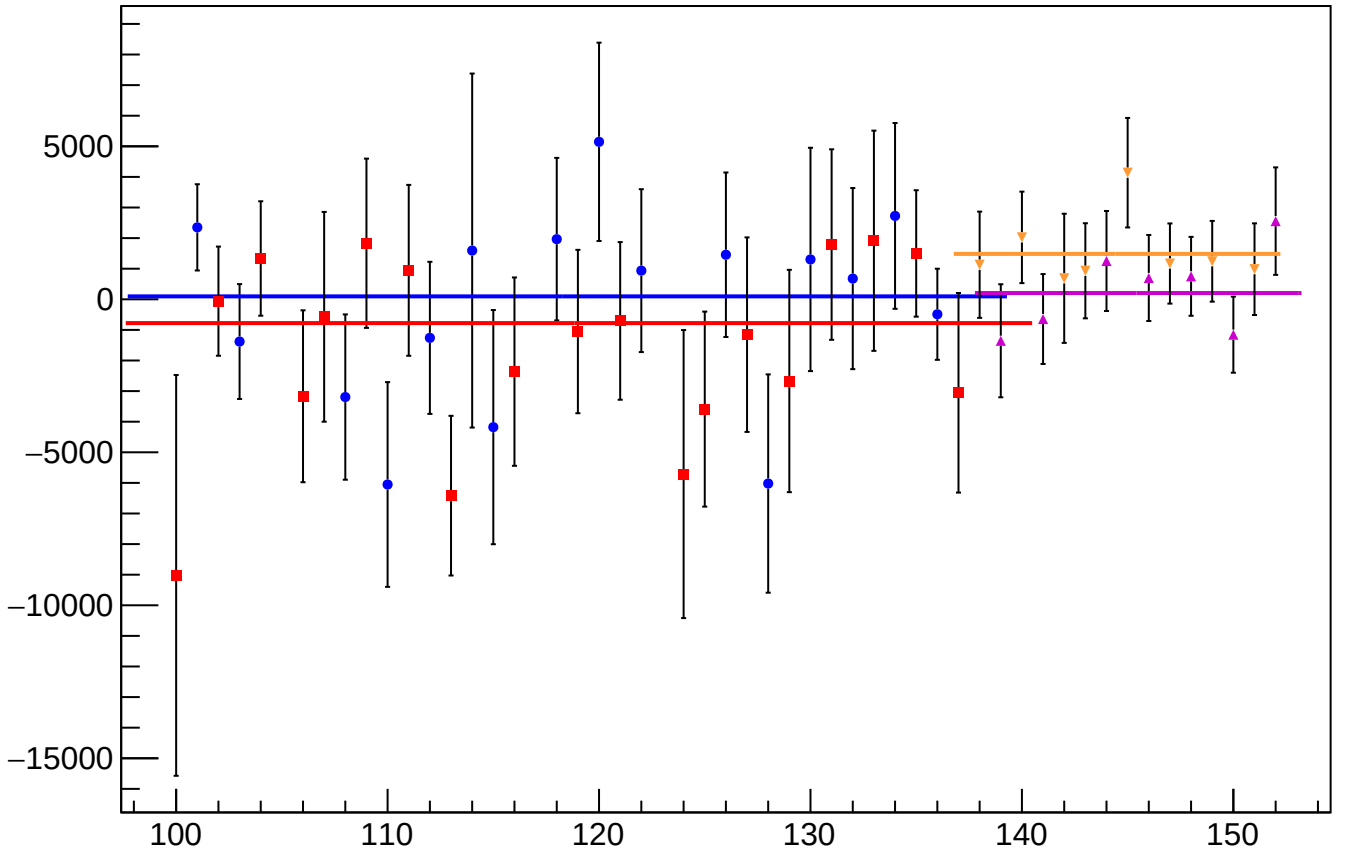
Left: 1101.424+/-0.222 χ^2/NDF: 3952.8/14

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

In: 1101.139+/-0.213 χ^2/NDF:15069.5/22

Out: 1105.668+/-0.211 χ^2/NDF:10817.0/26

All: 1103.422+/-0.150 χ^2/NDF: 26114.8/49



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: 205.085+/-558.250 χ^2/NDF:4.7/6

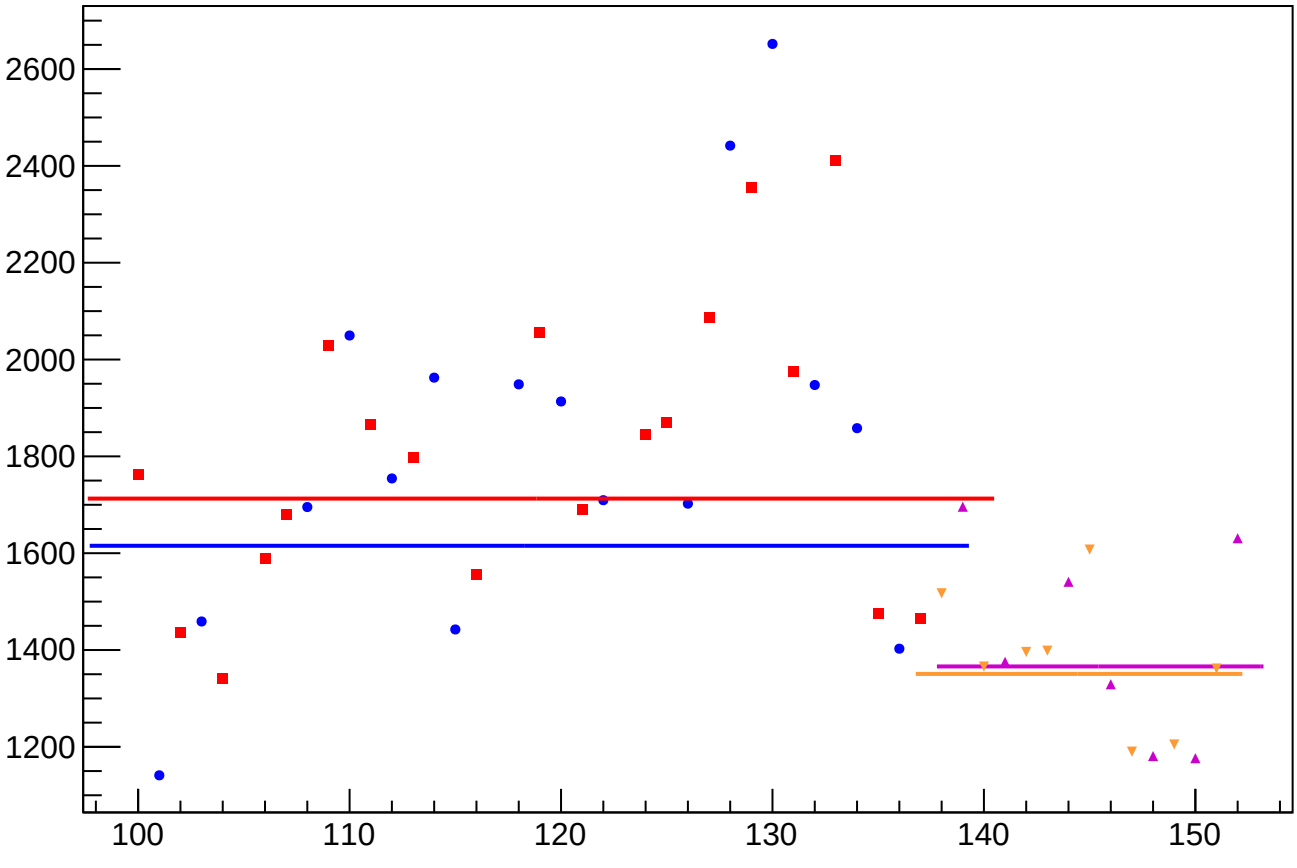
Left: 856.698+/-390.985 χ^2/NDF: 10.3/14

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

In: 156.057+/-414.289 χ^2/NDF:21.7/22

Out: 522.811+/-415.318 χ^2/NDF:25.2/26

All: 338.979+/-293.310 χ^2/NDF: 47.2/49



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: 1366.077+/-0.395 χ^2/NDF:221257.4/6

Left: 1358.236+/-0.276 χ^2/NDF: 339197.5/14

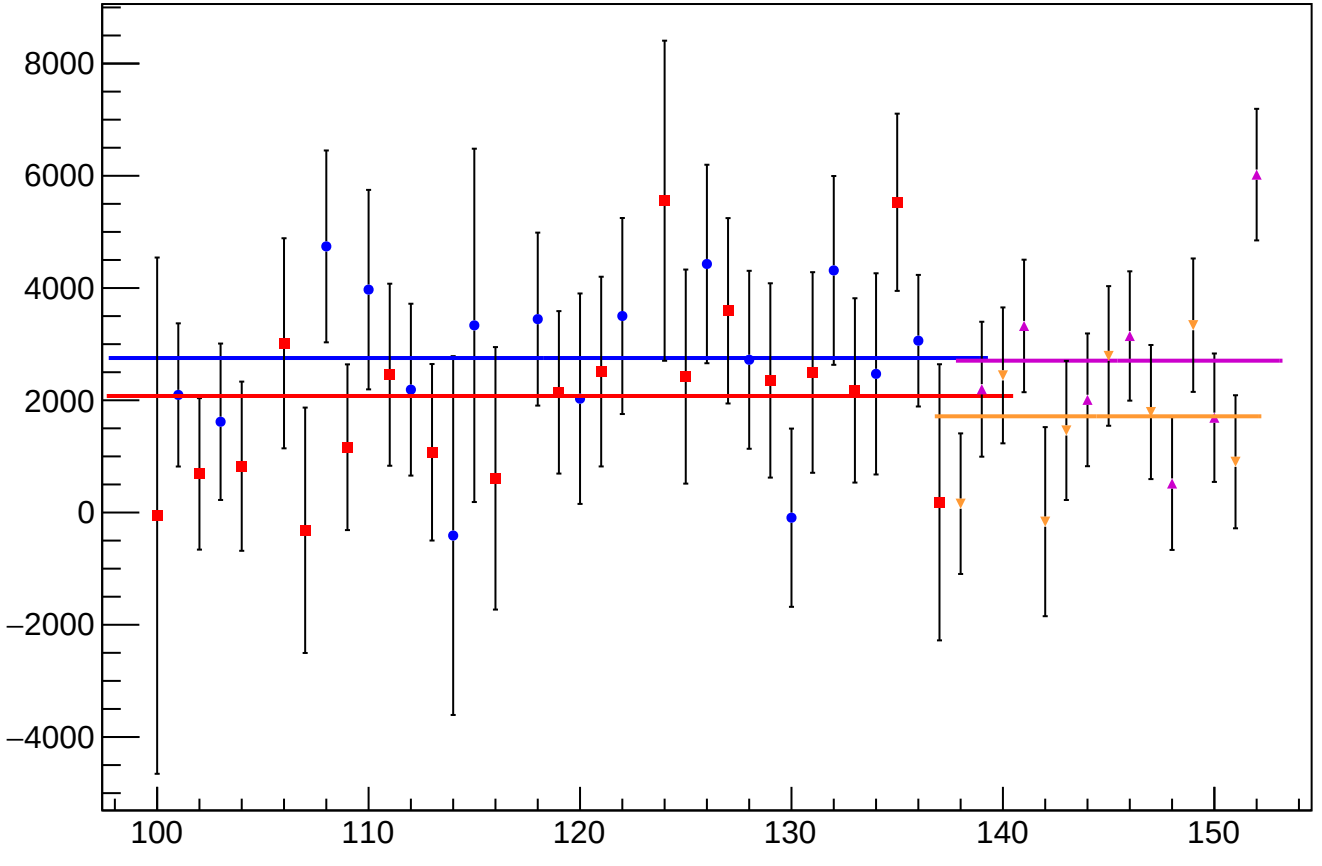
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1478.049+/-0.293 χ^2/NDF:1093988.5/22

Out: 1504.633+/-0.294 χ^2/NDF:916806.3/26

All: 1491.308+/-0.207 χ^2/NDF: 2014902.1/49

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: 2705.599+/-443.560 χ^2/NDF:13.2/6

Left: 2209.754+/-313.546 χ^2/NDF: 21.9/14

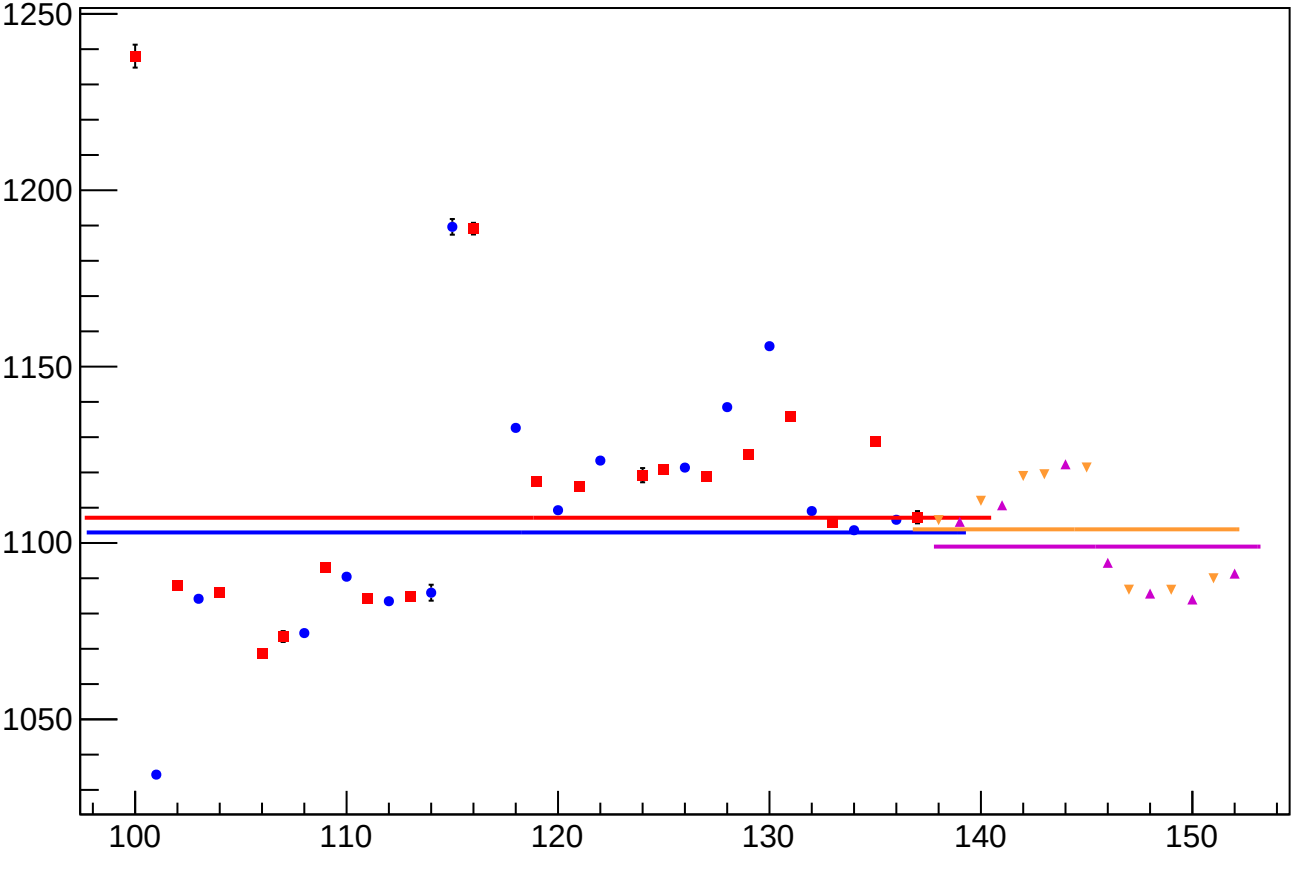
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2731.236+/-301.016 χ^2/NDF:22.7/22

Out: 1912.335+/-298.513 χ^2/NDF:19.2/26

All: 2318.367+/-211.960 χ^2/NDF: 45.6/49

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: 1098.974+/-0.314 χ^2/NDF:1757.4/6

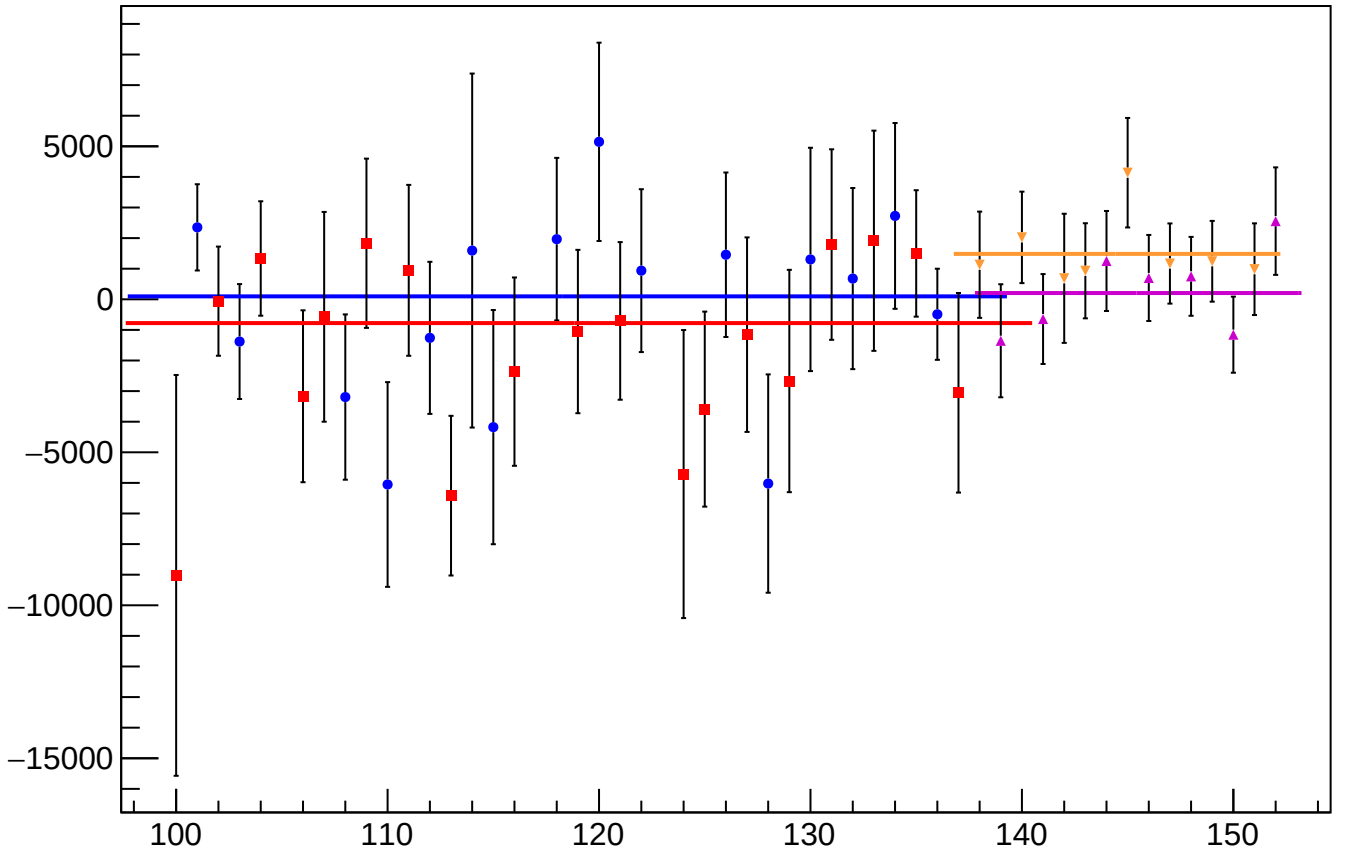
Left: 1101.424+/-0.222 χ^2/NDF: 3952.8/14

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

In: 1101.139+/-0.213 χ^2/NDF:15069.5/22

Out: 1105.668+/-0.211 χ^2/NDF:10817.0/26

All: 1103.422+/-0.150 χ^2/NDF: 26114.8/49



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: 205.085+/-558.250 χ^2/NDF:4.7/6

Left: 856.698+/-390.985 χ^2/NDF: 10.3/14

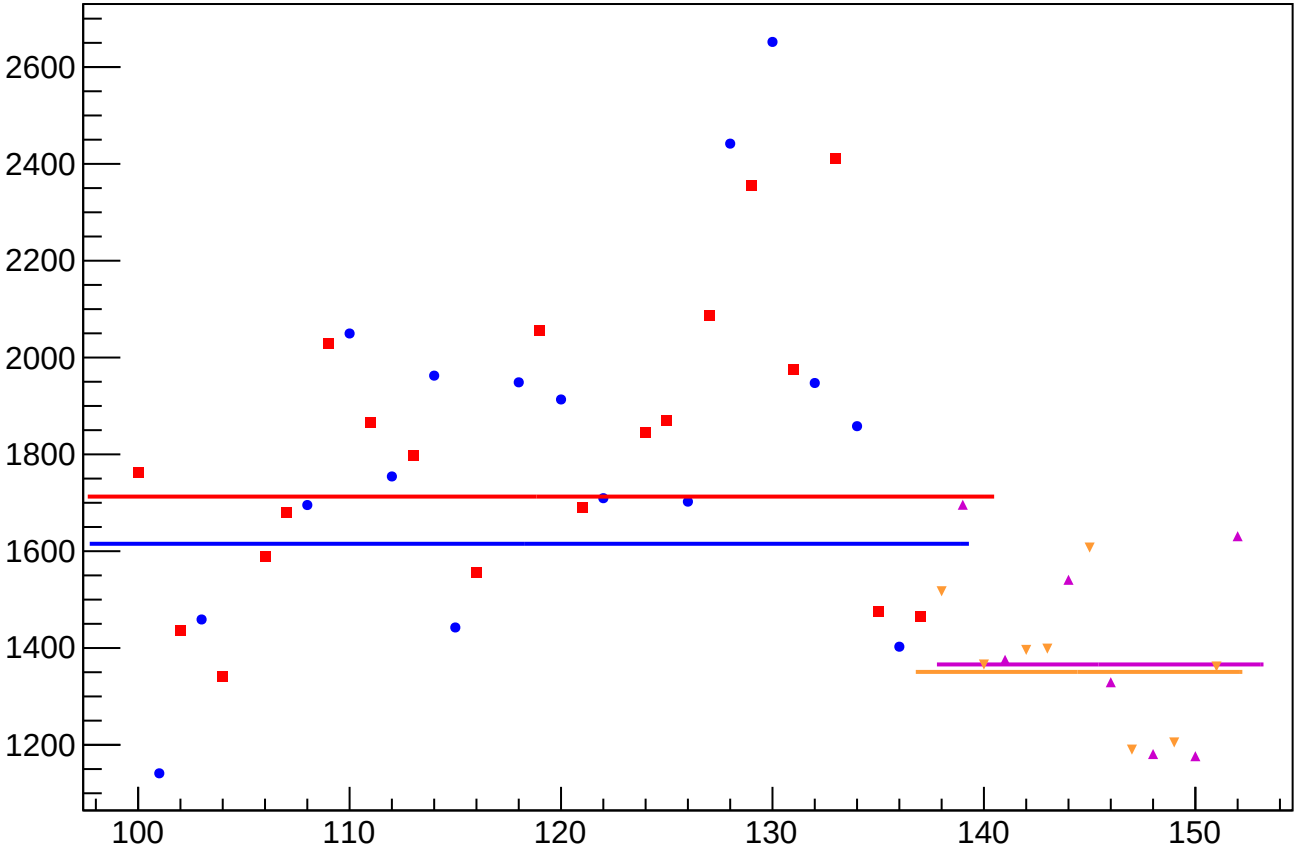
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 156.057+/-414.289 χ^2/NDF:21.7/22

Out: 522.811+/-415.318 χ^2/NDF:25.2/26

All: 338.979+/-293.310 χ^2/NDF: 47.2/49

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: 1366.077+/-0.395 χ^2/NDF:221257.4/6

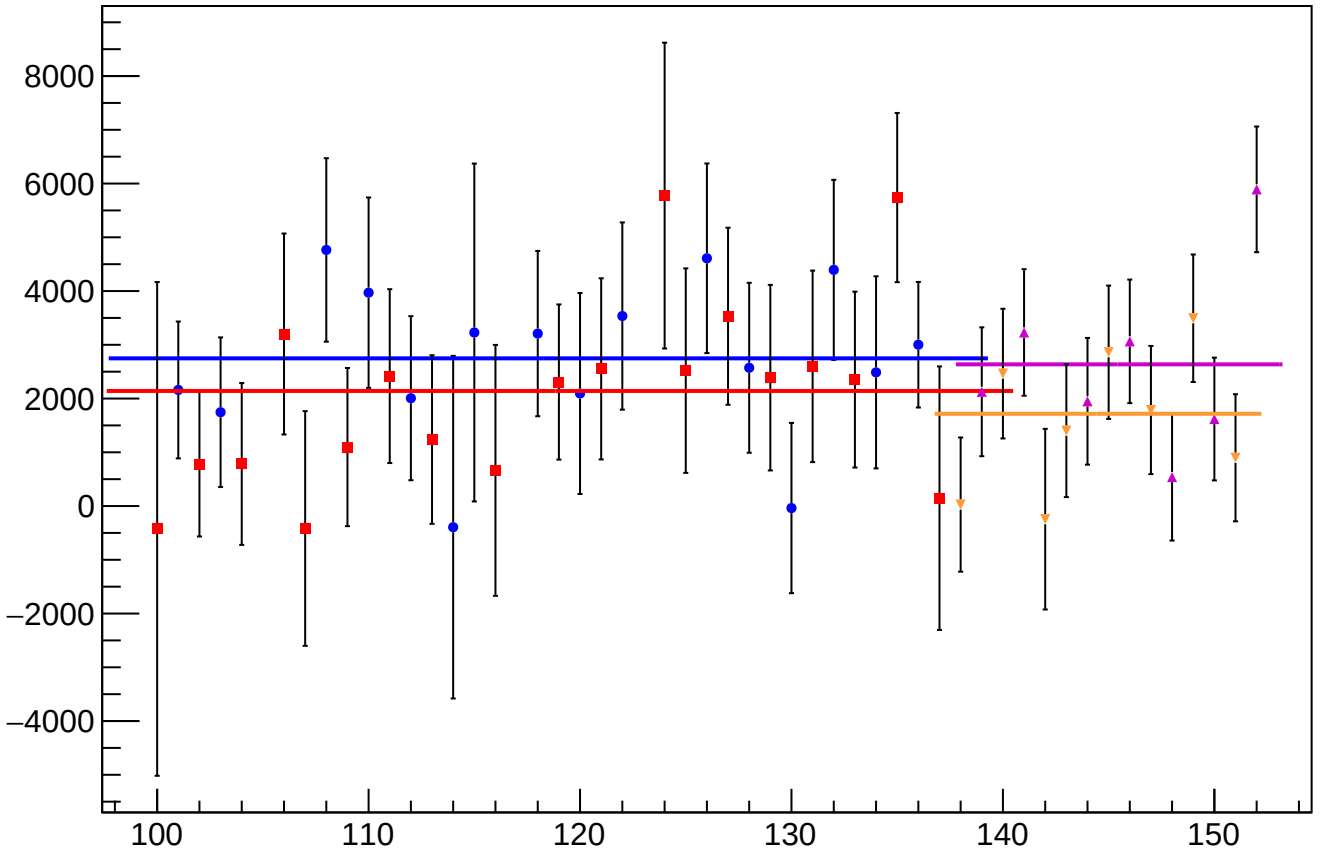
Left: 1358.236+/-0.276 χ^2/NDF: 339197.5/14

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

In: 1478.049+/-0.293 χ^2/NDF:1093988.5/22

Out: 1504.633+/-0.294 χ^2/NDF:916806.3/26

All: 1491.308+/-0.207 χ^2/NDF: 2014902.1/49



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: 2636.211+/-442.453 χ^2/NDF:12.6/6

Left: 2176.097+/-312.720 χ^2/NDF: 22.0/14

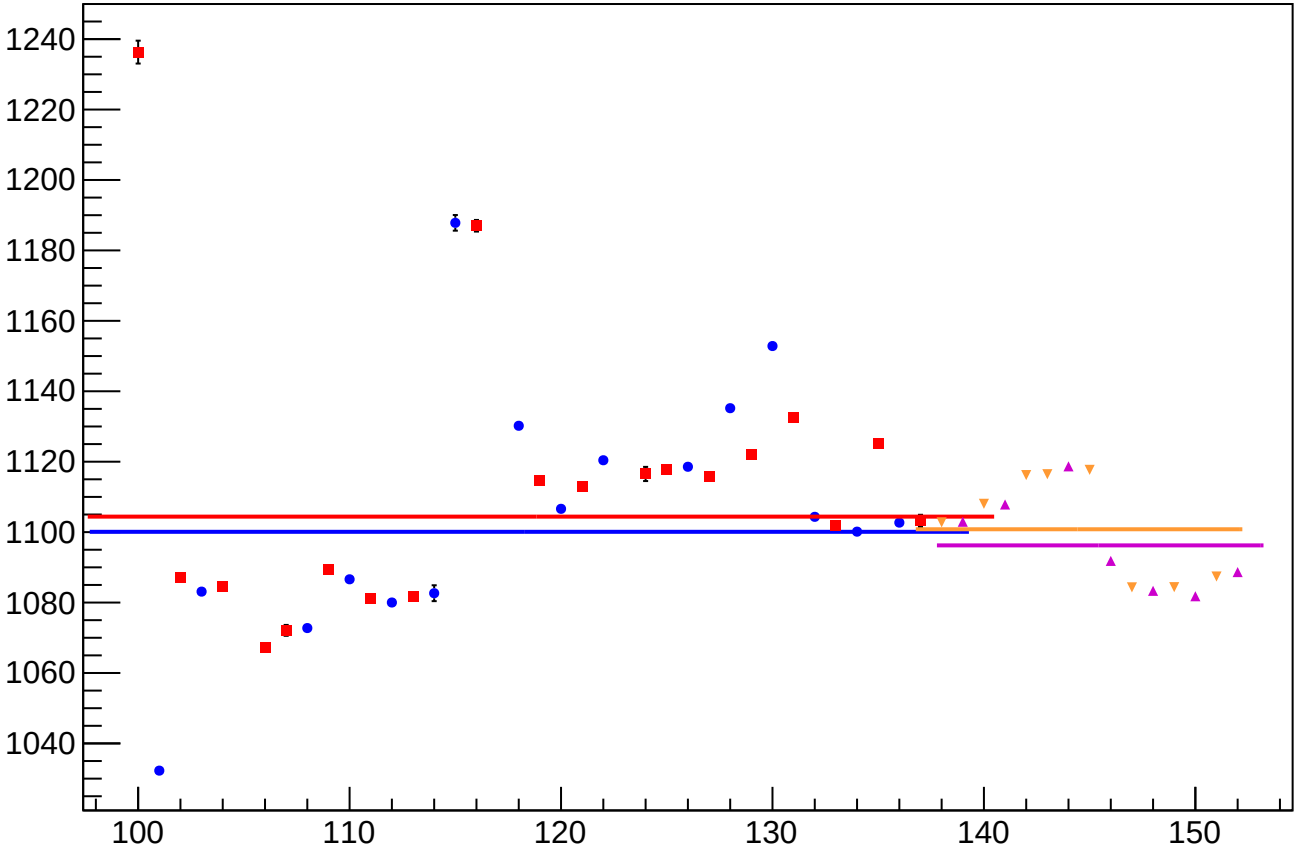
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2696.491+/-300.242 χ^2/NDF:22.1/22

Out: 1948.671+/-297.730 χ^2/NDF:21.3/26

All: 2319.439+/-211.410 χ^2/NDF: 46.6/49

overload_cor_asym_usr_rms vs Slug, Sign Corrected



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: 1096.235+/-0.313 χ^2/NDF:1654.2/6

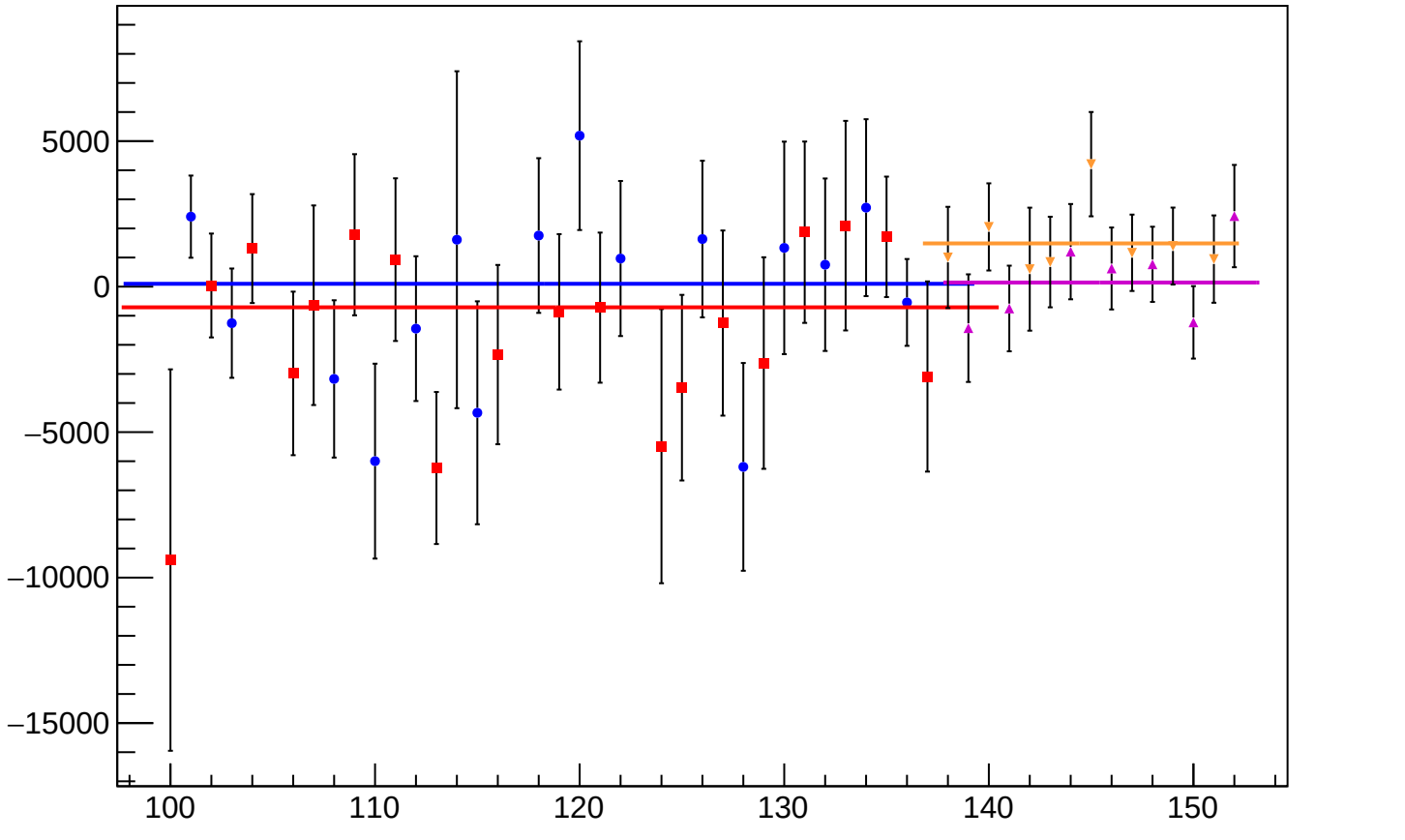
Left: 1098.526+/-0.221 χ^2/NDF: 3720.7/14

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

In: 1098.315+/-0.212 χ^2/NDF:14813.2/22

Out: 1102.774+/-0.211 χ^2/NDF:10575.1/26

All: 1100.563+/-0.149 χ^2/NDF: 25610.7/49



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: 141.085+/-559.142 χ^2/NDF:4.8/6

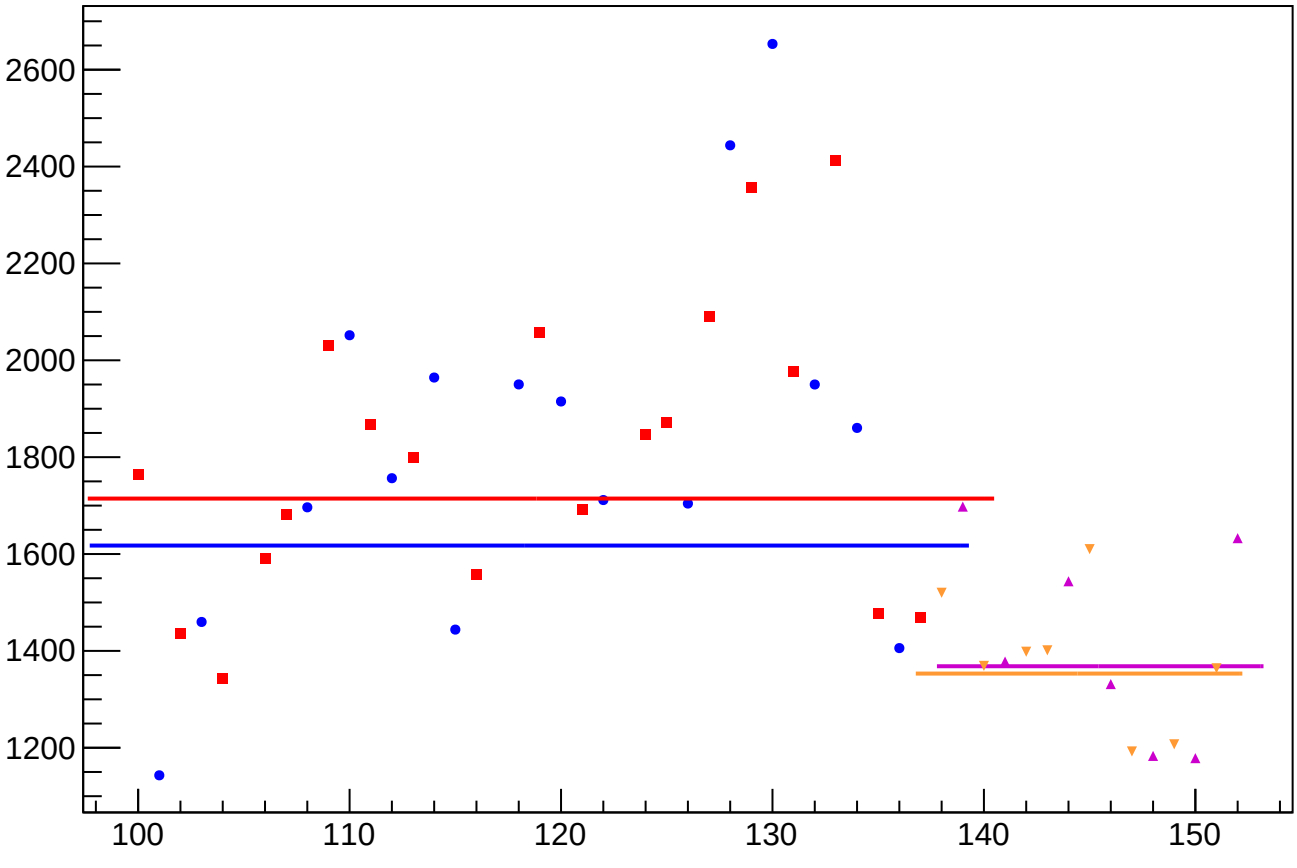
Left: 825.790+/-391.652 χ^2/NDF: 10.8/14

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

In: 121.467+/-414.888 χ^2/NDF:22.0/22

Out: 550.558+/-415.923 χ^2/NDF:24.8/26

All: 335.478+/-293.736 χ^2/NDF: 47.3/49



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: 1368.314+/-0.395 χ^2/NDF:220647.1/6

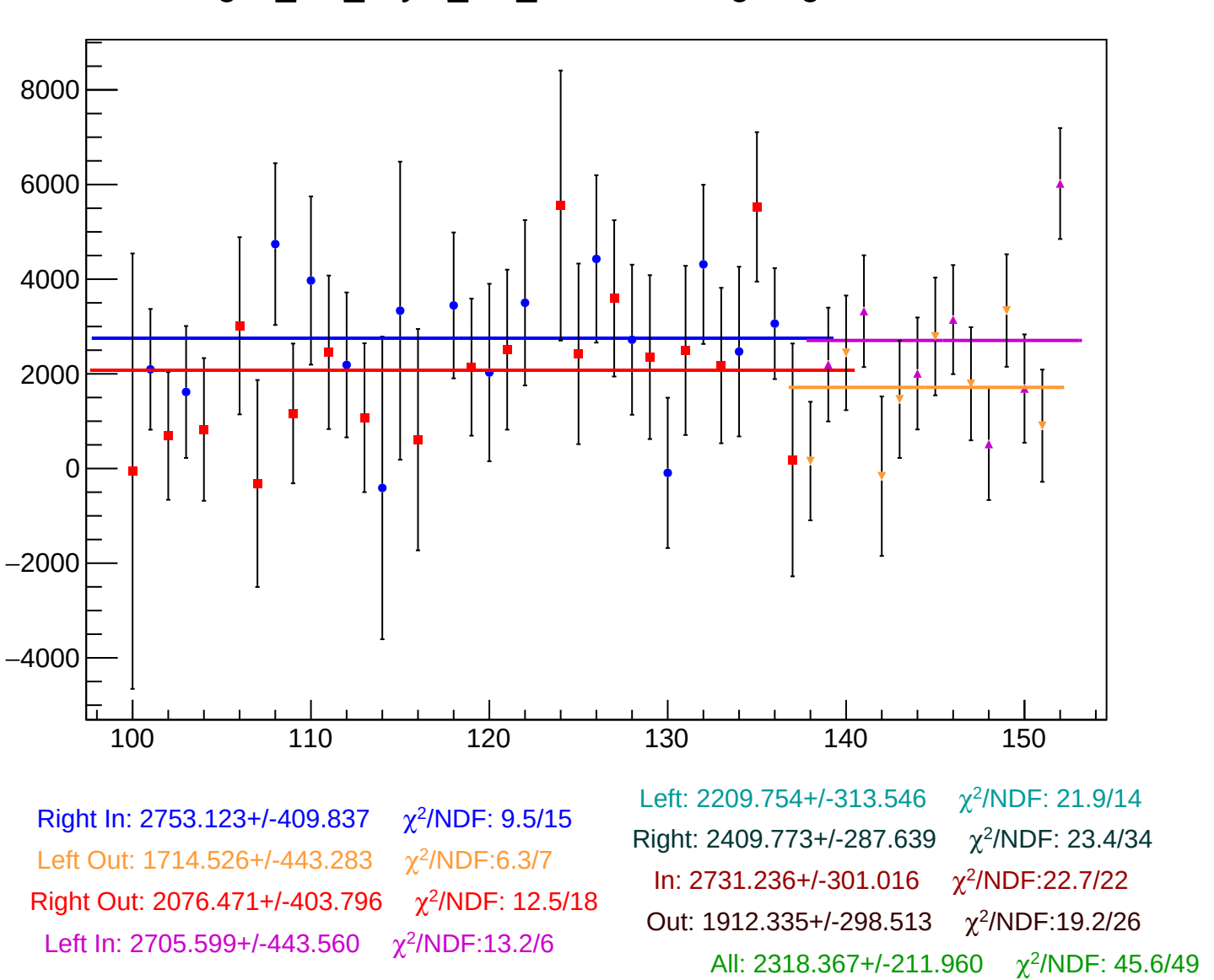
Left: 1360.602+/-0.277 χ^2/NDF: 338466.9/14

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

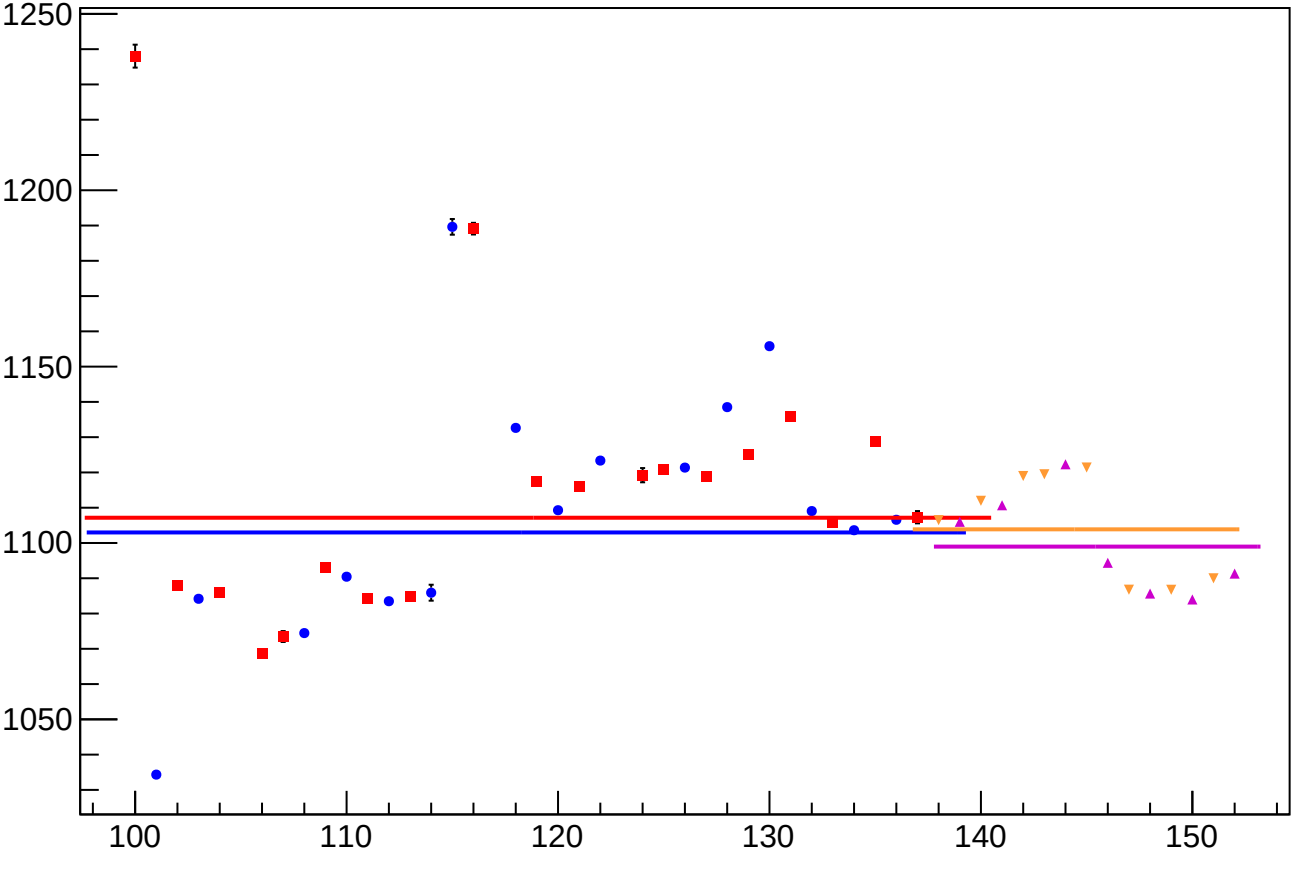
In: 1480.300+/-0.293 χ^2/NDF:1090879.9/22

Out: 1506.938+/-0.294 χ^2/NDF:913781.4/26

All: 1493.586+/-0.208 χ^2/NDF: 2008773.3/49


eigen_cor_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: 2753.123+/-409.837 χ²/NDF: 9.5/15
Left Out: 1714.526+/-443.283 χ²/NDF:6.3/7
Right Out: 2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: 2705.599+/-443.560 χ²/NDF:13.2/6
Left: 2209.754+/-313.546 χ²/NDF: 21.9/14
Right: 2409.773+/-287.639 χ²/NDF: 23.4/34
In: 2731.236+/-301.016 χ²/NDF:22.7/22
Out: 1912.335+/-298.513 χ²/NDF:19.2/26
All: 2318.367+/-211.960 χ²/NDF: 45.6/49

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: 1098.974+/-0.314 χ^2/NDF:1757.4/6

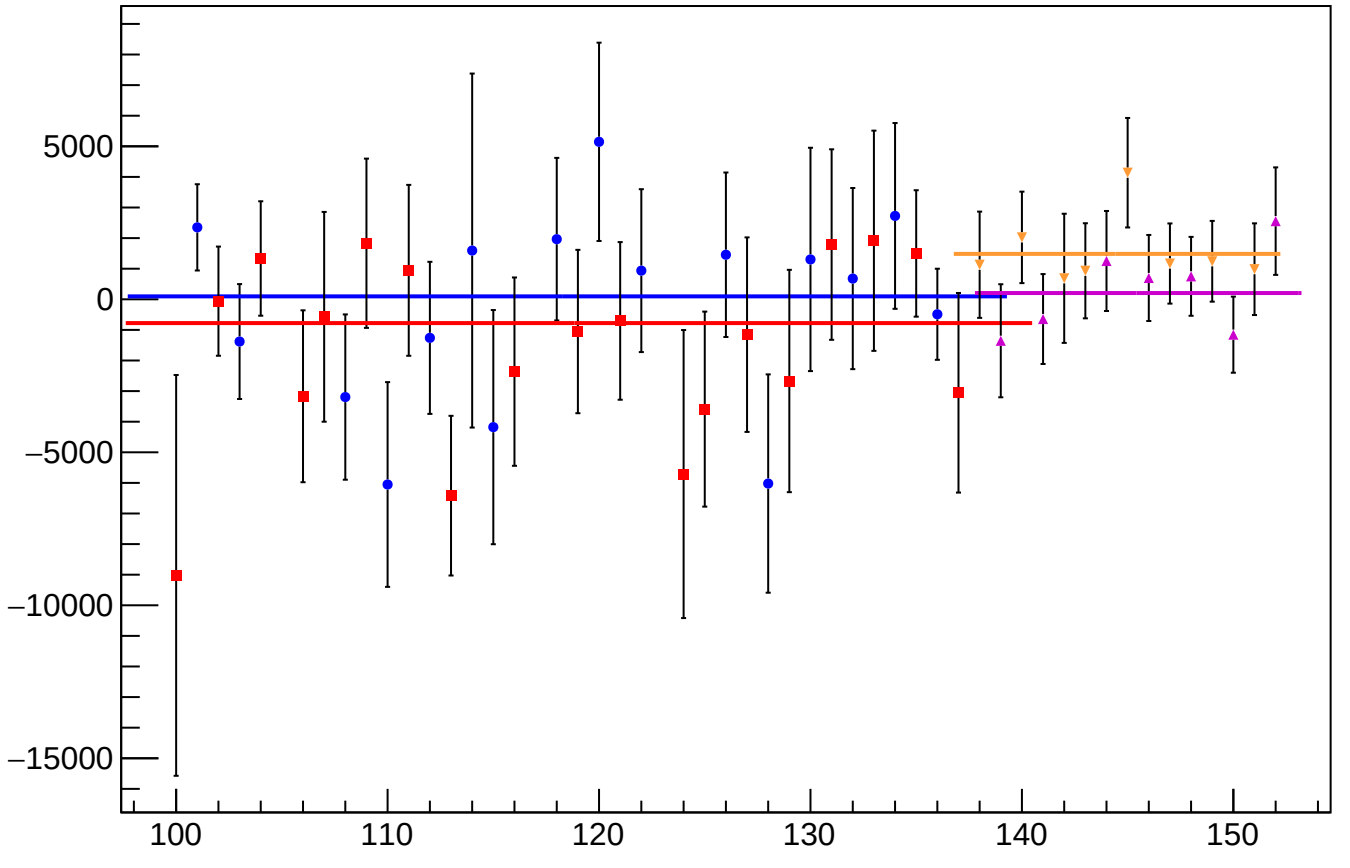
Left: 1101.424+/-0.222 χ^2/NDF: 3952.8/14

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

In: 1101.139+/-0.213 χ^2/NDF:15069.5/22

Out: 1105.668+/-0.211 χ^2/NDF:10817.0/26

All: 1103.422+/-0.150 χ^2/NDF: 26114.8/49



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: 205.085+/-558.250 χ^2/NDF:4.7/6

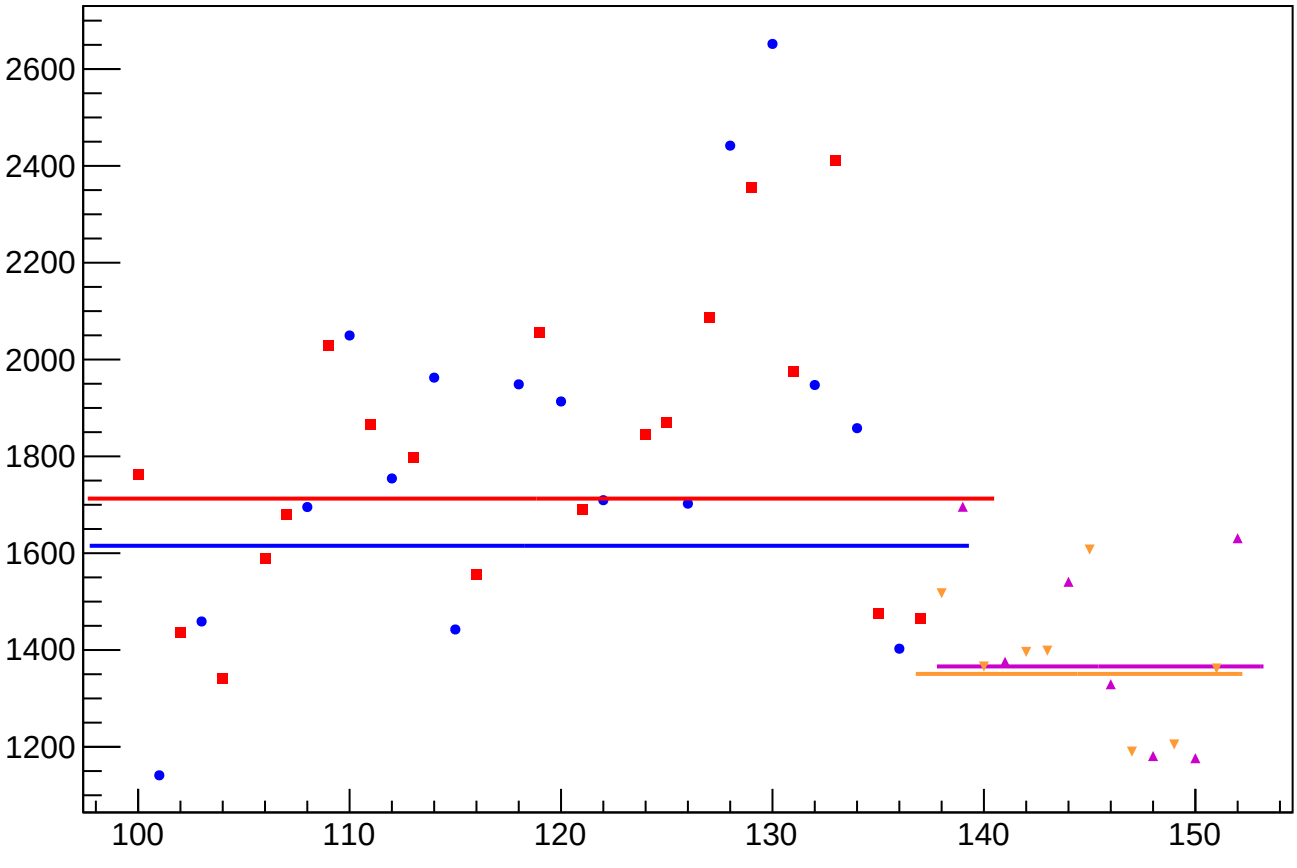
Left: 856.698+/-390.985 χ^2/NDF: 10.3/14

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

In: 156.057+/-414.289 χ^2/NDF:21.7/22

Out: 522.811+/-415.318 χ^2/NDF:25.2/26

All: 338.979+/-293.310 χ^2/NDF: 47.2/49



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: 1366.077+/-0.395 χ^2/NDF:221257.4/6

Left: 1358.236+/-0.276 χ^2/NDF: 339197.5/14

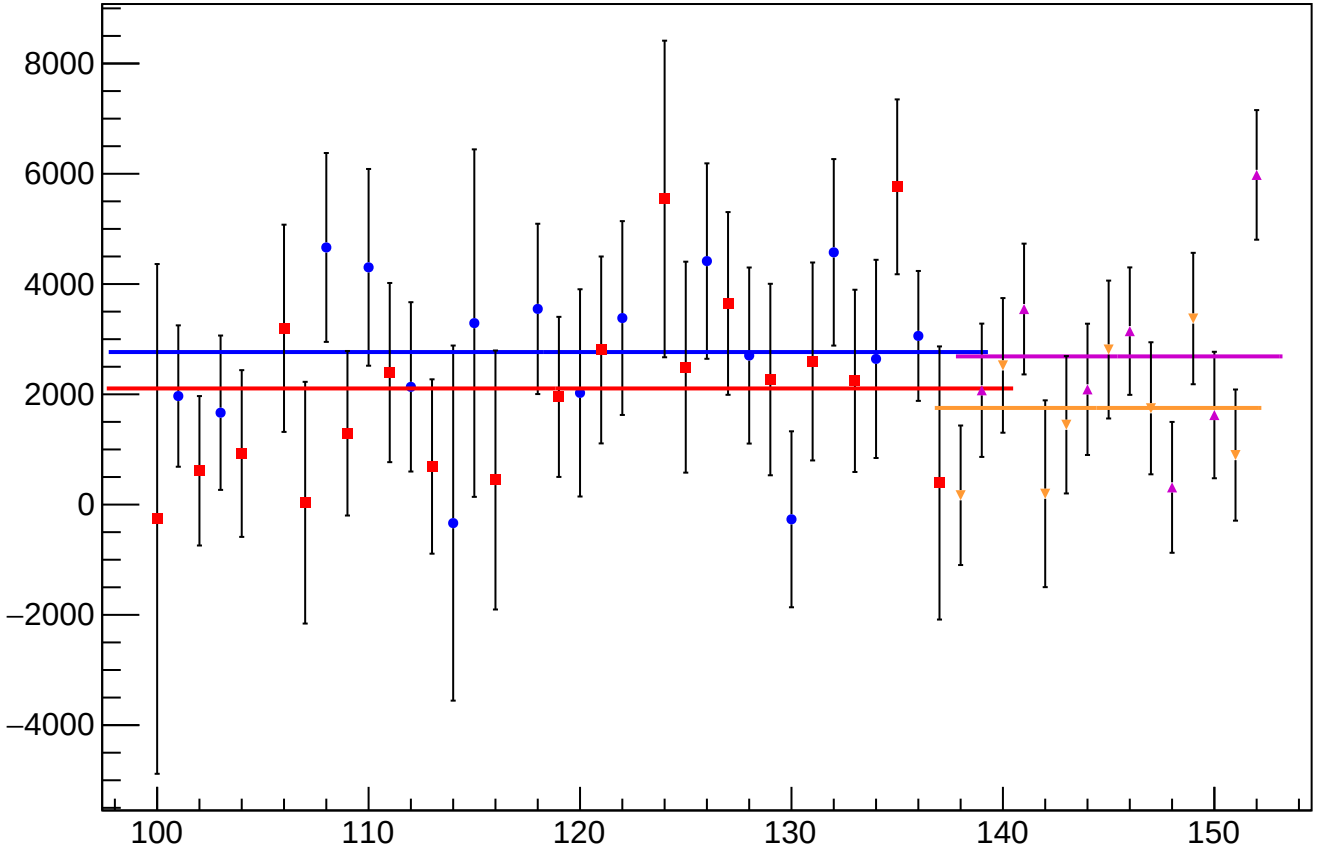
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1478.049+/-0.293 χ^2/NDF:1093988.5/22

Out: 1504.633+/-0.294 χ^2/NDF:916806.3/26

All: 1491.308+/-0.207 χ^2/NDF: 2014902.1/49

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: 2687.819+/-445.282 χ^2/NDF:13.9/6

Left: 2220.697+/-314.976 χ^2/NDF: 22.1/14

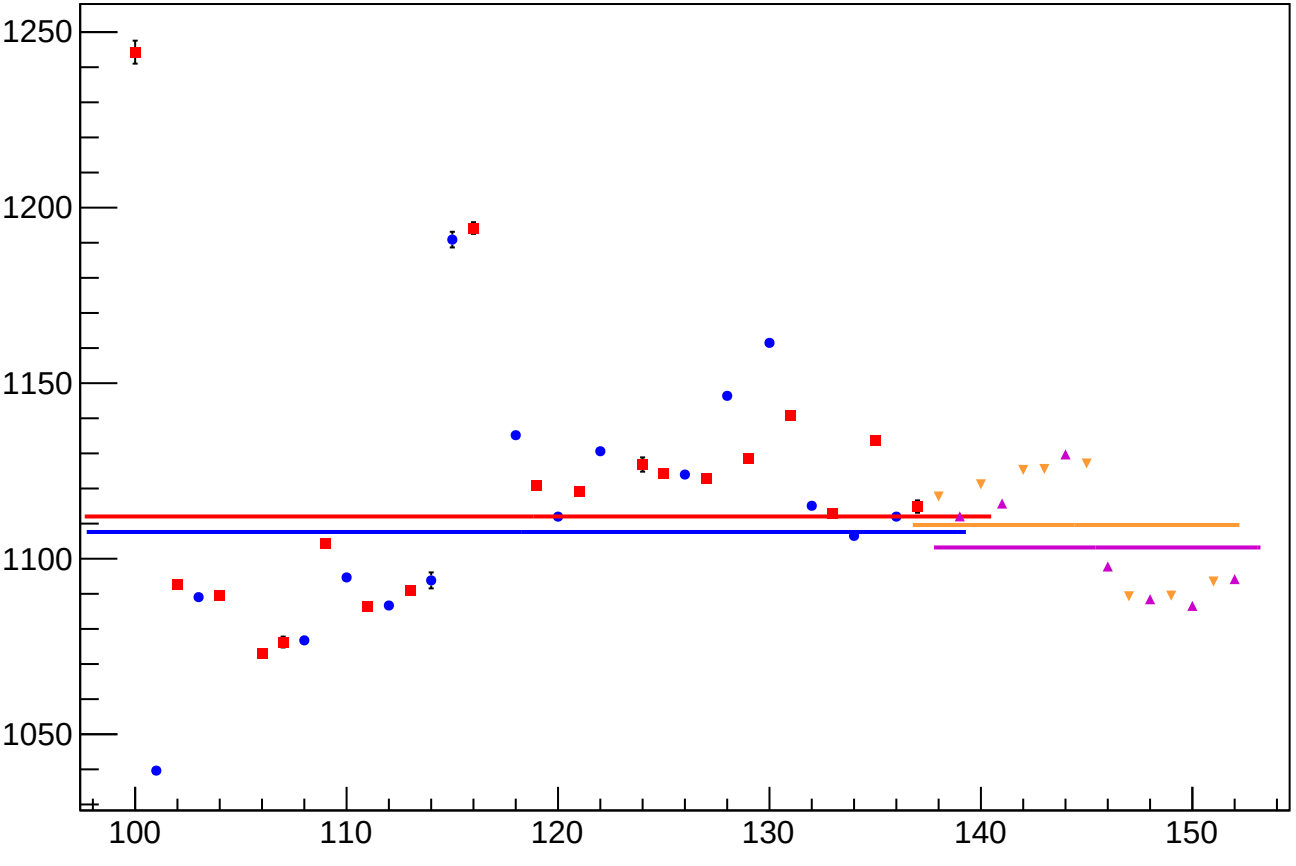
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2730.335+/-302.237 χ^2/NDF:24.2/22

Out: 1946.210+/-299.945 χ^2/NDF:19.7/26

All: 2335.287+/-212.899 χ^2/NDF: 47.3/49

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: 1103.202+/-0.315 χ^2/NDF:2212.6/6

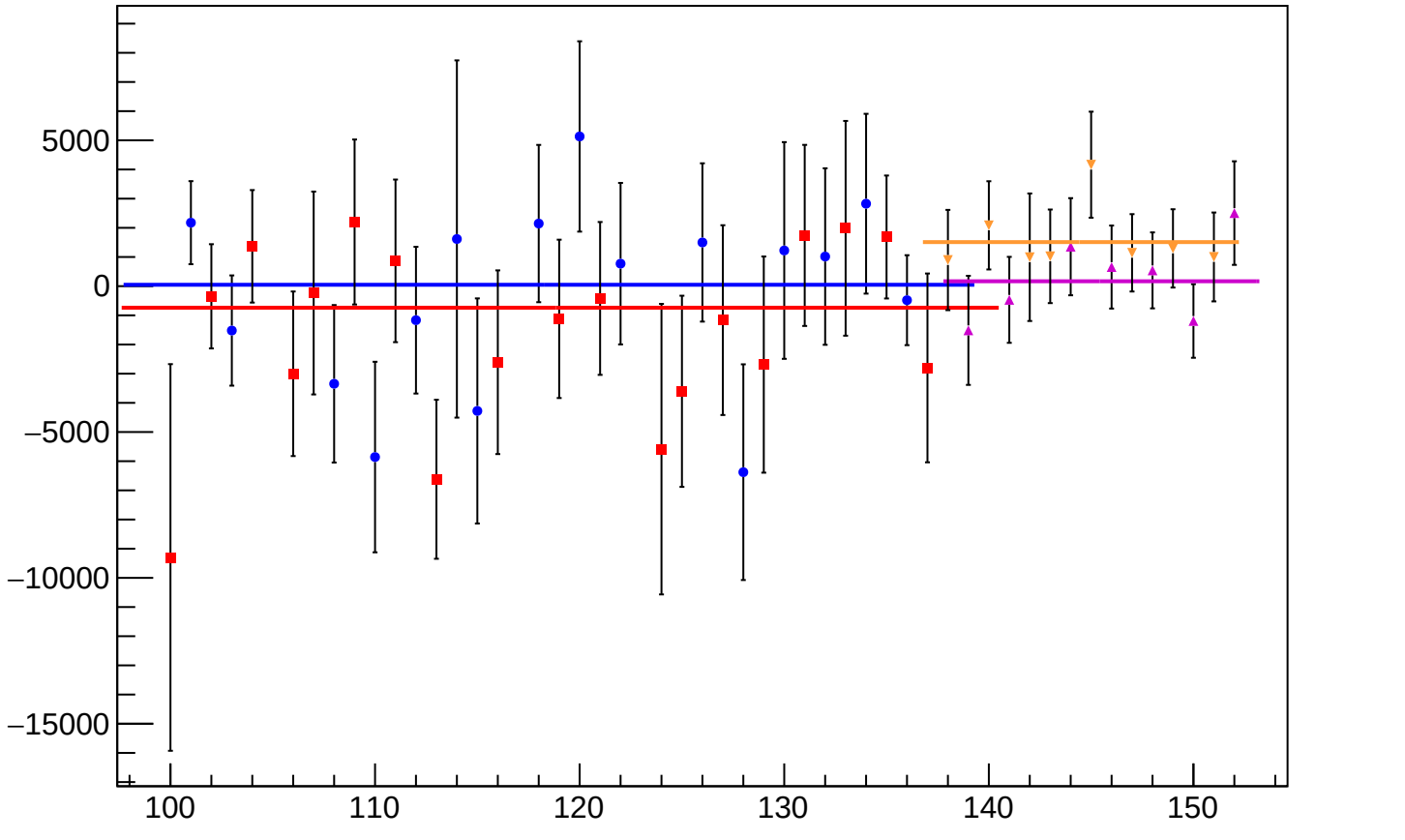
Left: 1106.404+/-0.223 χ^2/NDF: 5086.1/14

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

In: 1105.581+/-0.214 χ^2/NDF:15539.2/22

Out: 1110.934+/-0.212 χ^2/NDF:11352.2/26

All: 1108.278+/-0.151 χ^2/NDF: 27207.4/49



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: 168.190+/-564.685 χ^2/NDF:4.6/6

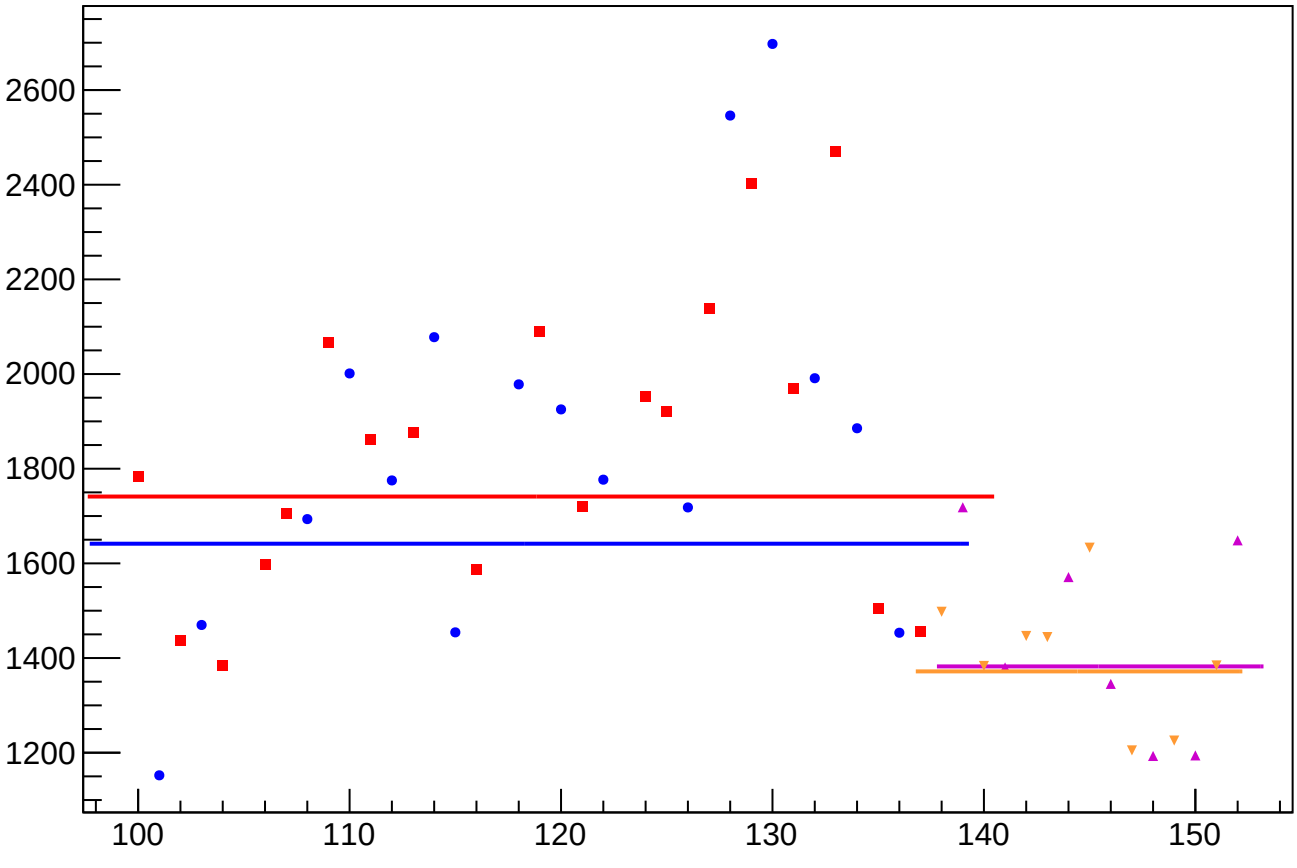
Left: 849.418+/-396.301 χ^2/NDF: 10.2/14

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

In: 114.382+/-419.916 χ^2/NDF:21.5/22

Out: 556.074+/-422.045 χ^2/NDF:24.6/26

All: 334.111+/-297.675 χ^2/NDF: 46.7/49



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: 1382.296+/-0.399 χ^2/NDF:223330.2/6

Left: 1376.957+/-0.280 χ^2/NDF: 337869.5/14

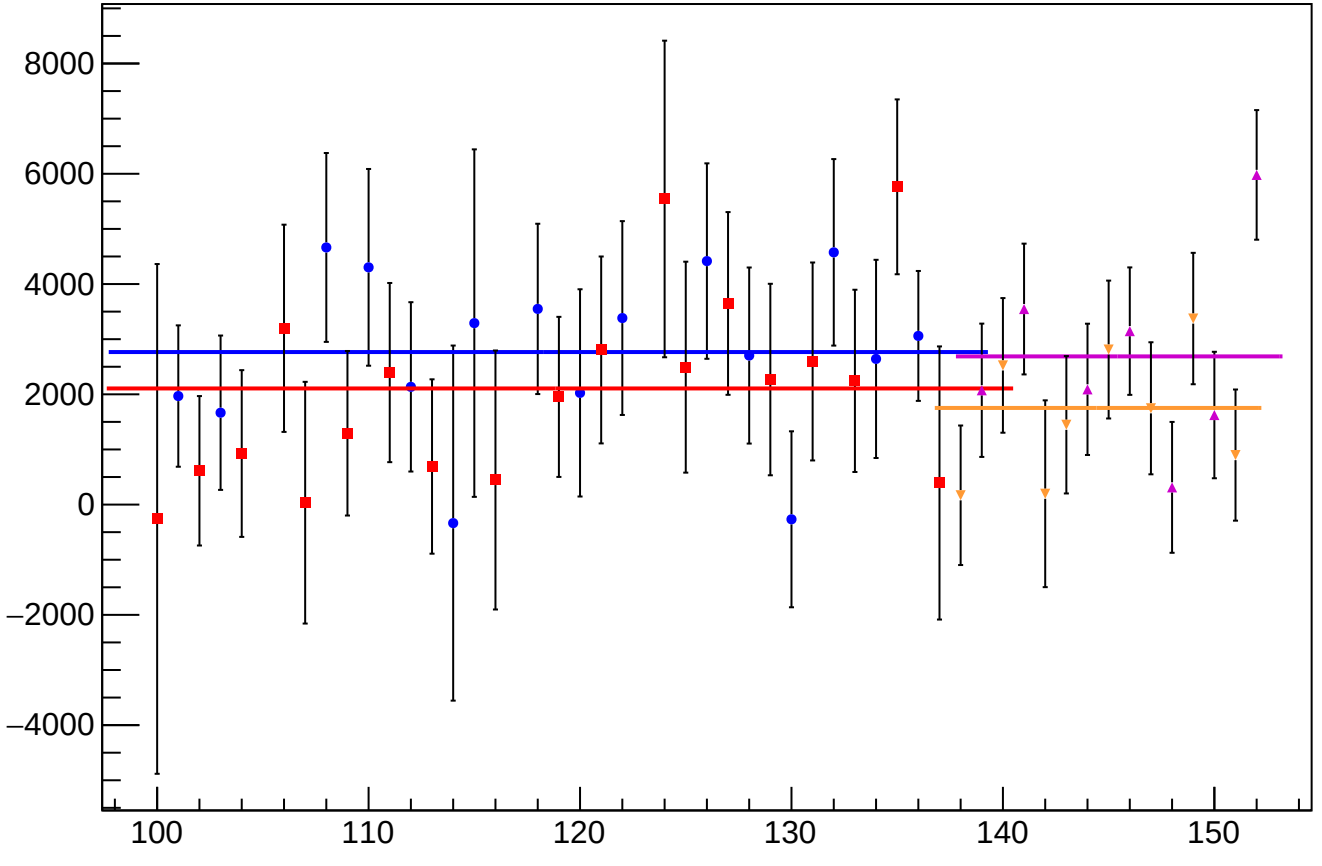
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1498.181+/-0.297 χ^2/NDF:1113071.4/22

Out: 1528.583+/-0.298 χ^2/NDF:926874.2/26

All: 1513.305+/-0.210 χ^2/NDF: 2045160.8/49

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: 2687.820+/-445.282 χ^2/NDF:13.9/6

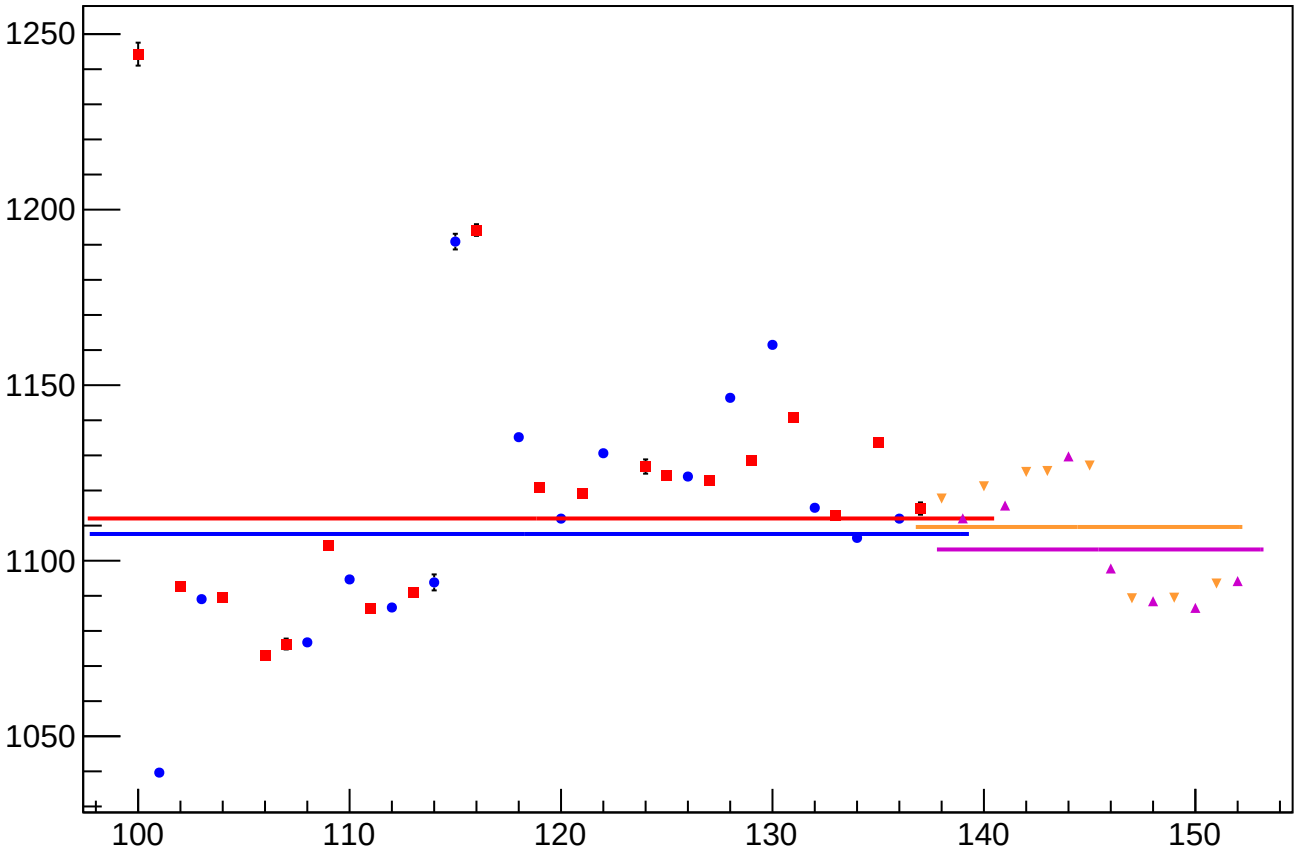
Left: 2220.698+/-314.976 χ^2/NDF: 22.1/14

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

In: 2730.335+/-302.237 χ^2/NDF:24.2/22

Out: 1946.211+/-299.944 χ^2/NDF:19.7/26

All: 2335.288+/-212.899 χ^2/NDF: 47.3/49



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: 1103.202+/-0.315 χ^2/NDF:2212.6/6

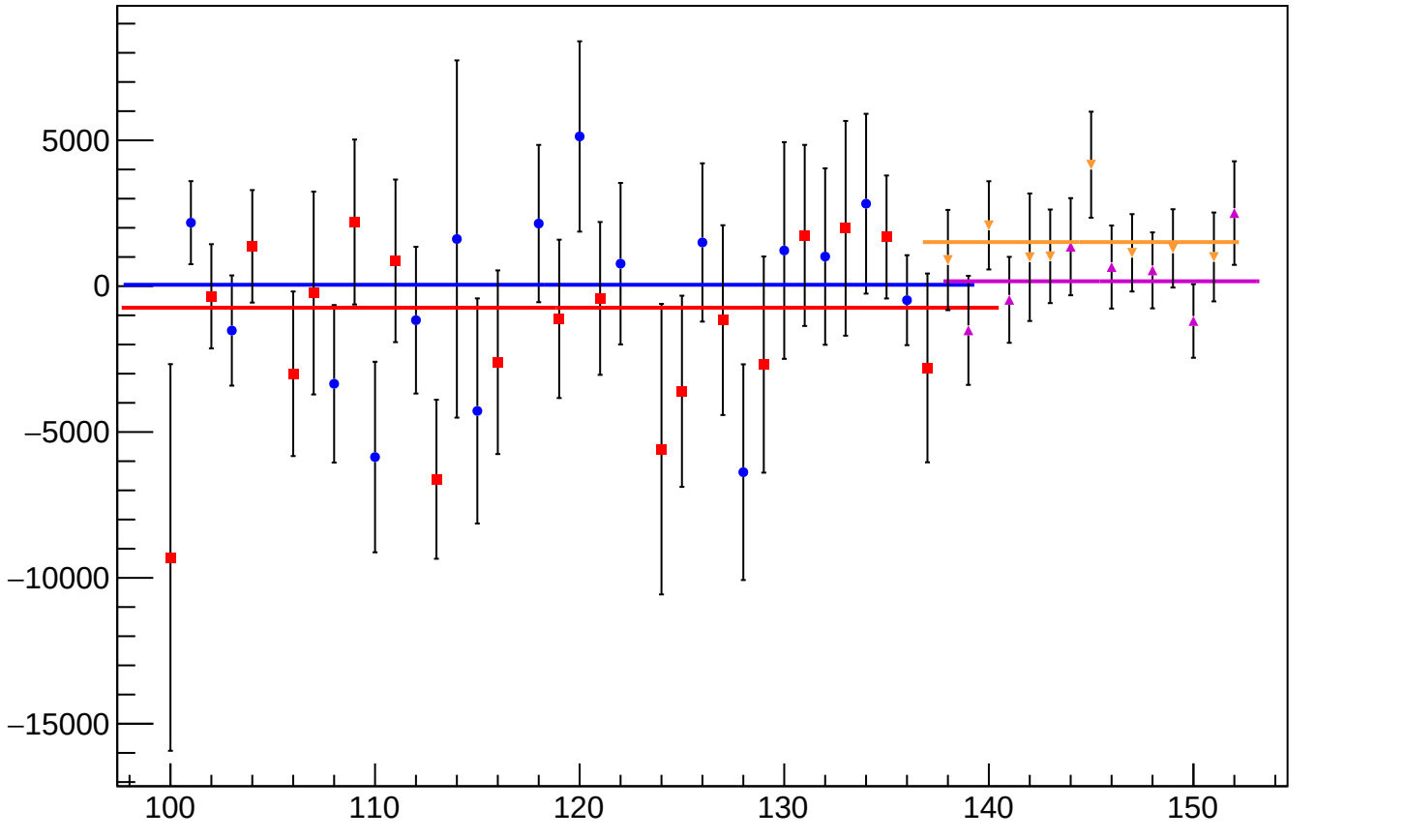
Left: 1106.404+/-0.223 χ^2/NDF: 5086.1/14

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

In: 1105.581+/-0.214 χ^2/NDF:15539.1/22

Out: 1110.933+/-0.212 χ^2/NDF:11352.2/26

All: 1108.278+/-0.151 χ^2/NDF: 27207.3/49



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: 168.191+/-564.686 χ^2/NDF:4.6/6

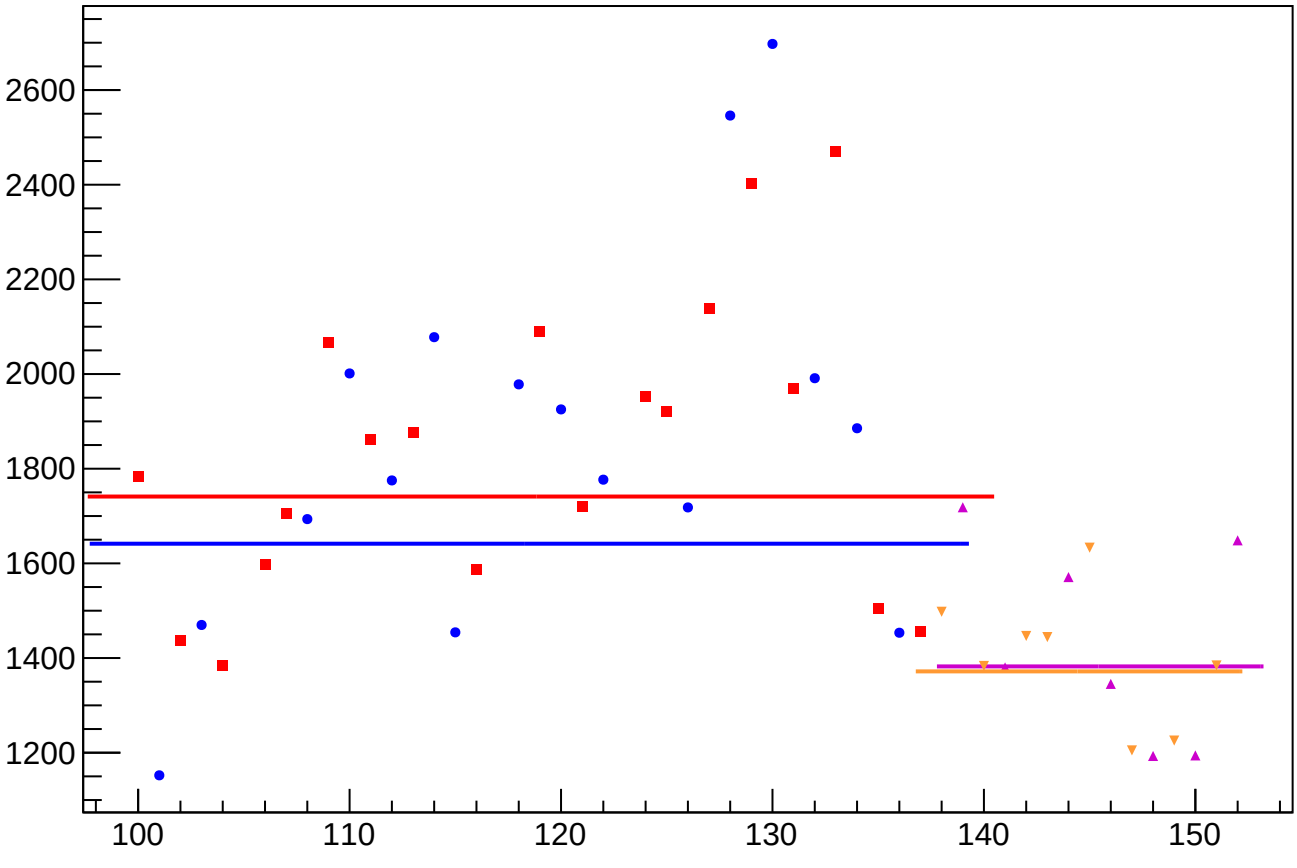
Left: 849.419+/-396.302 χ^2/NDF: 10.2/14

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

In: 114.380+/-419.916 χ^2/NDF:21.5/22

Out: 556.069+/-422.045 χ^2/NDF:24.6/26

All: 334.108+/-297.676 χ^2/NDF: 46.7/49



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: 1382.299+/-0.399 χ^2/NDF:223333.7/6

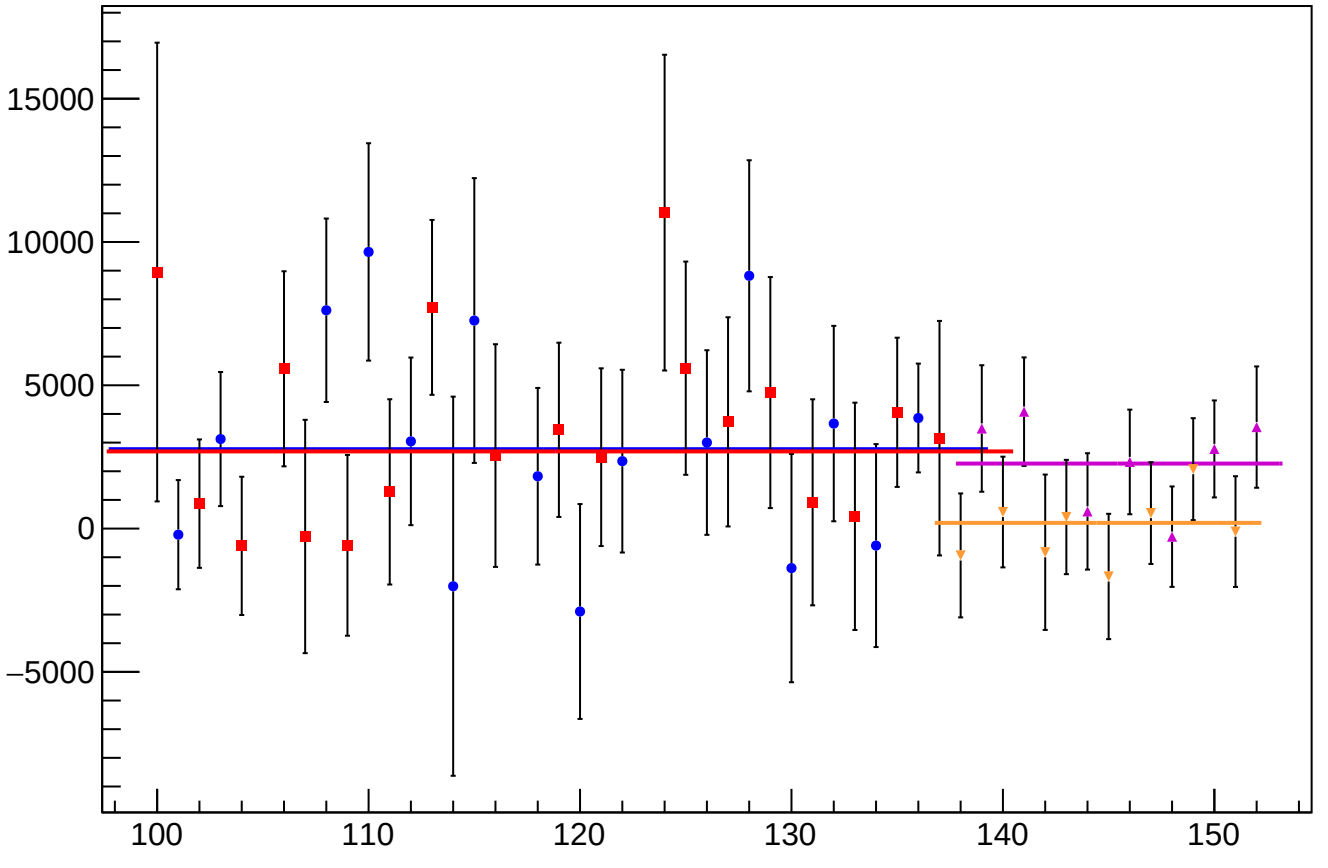
Left: 1376.960+/-0.280 χ^2/NDF: 337874.9/14

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

In: 1498.182+/-0.297 χ^2/NDF:1113055.7/22

Out: 1528.585+/-0.298 χ^2/NDF:926855.7/26

All: 1513.307+/-0.210 χ^2/NDF: 2045126.8/49



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: 2268.217+/-720.712 χ^2/NDF:4.5/6

Left: 1218.905+/-506.028 χ^2/NDF: 11.0/14

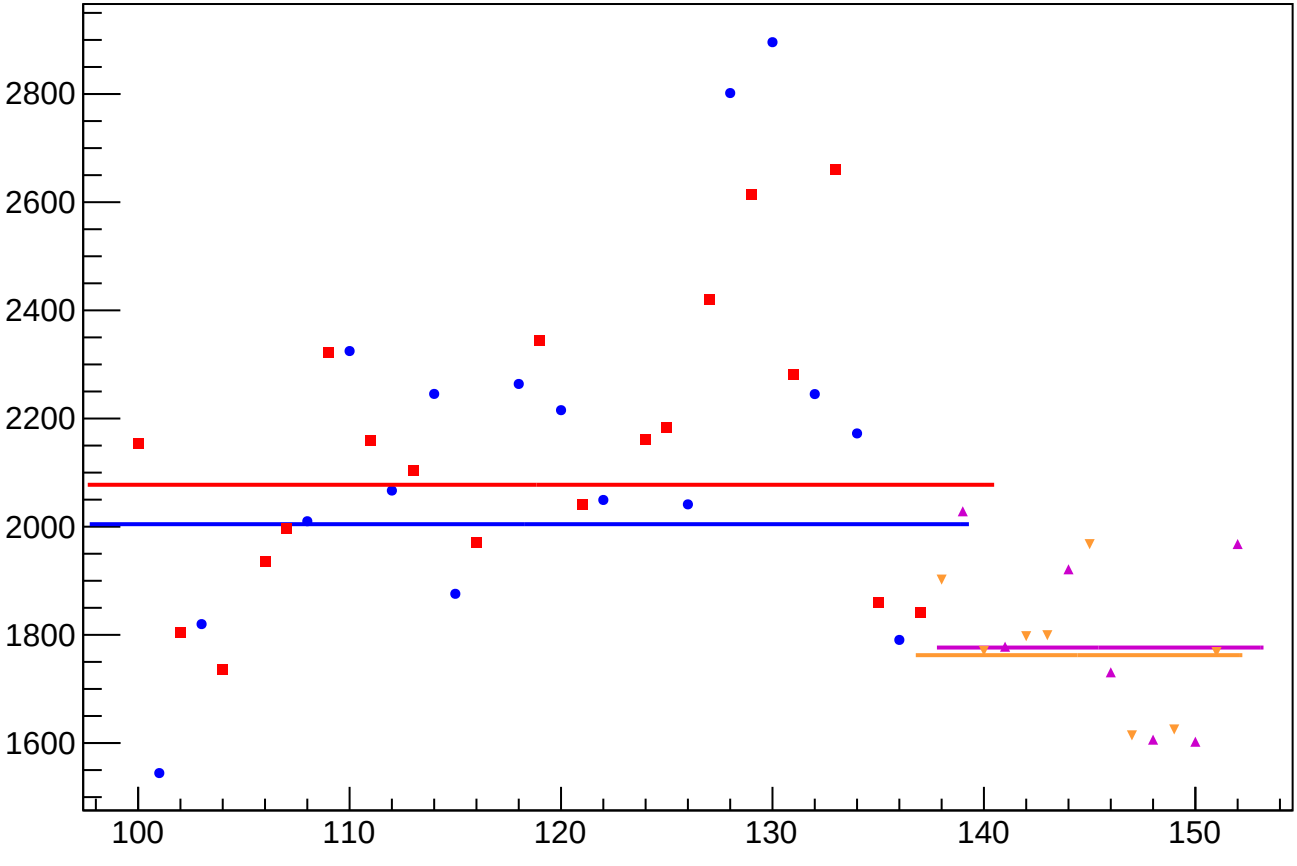
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2506.735+/-522.014 χ^2/NDF:21.1/22

Out: 1352.708+/-520.901 χ^2/NDF:20.6/26

All: 1928.490+/-368.725 χ^2/NDF: 44.2/49

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: 1776.534+/-0.510 χ^2/NDF:93901.0/6

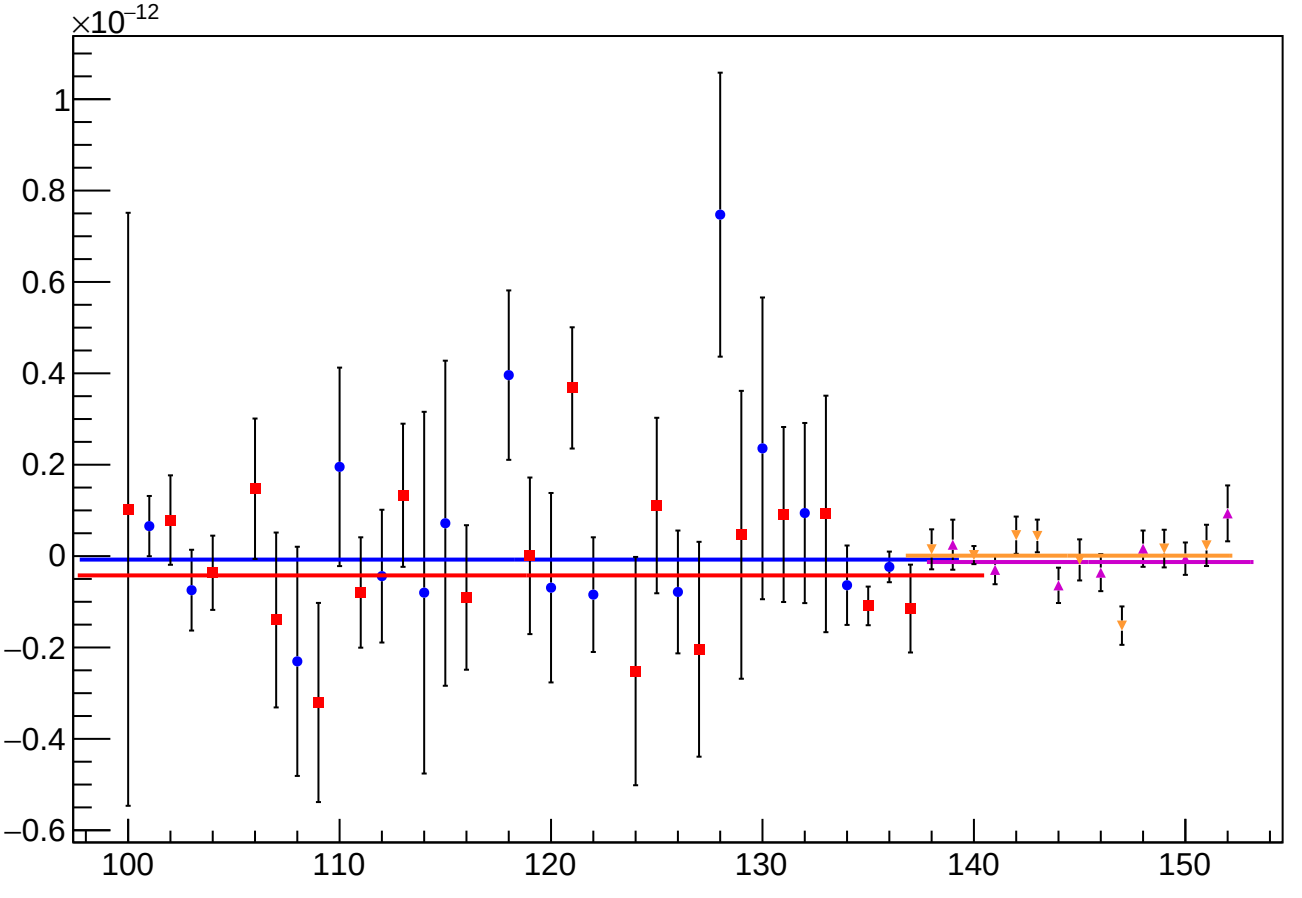
Left: 1769.395+/-0.358 χ^2/NDF: 147221.9/14

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

In: 1884.970+/-0.369 χ^2/NDF:576706.1/22

Out: 1908.237+/-0.368 χ^2/NDF:465297.0/26

All: 1896.628+/-0.261 χ^2/NDF: 1043994.0/49



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:6.5/6

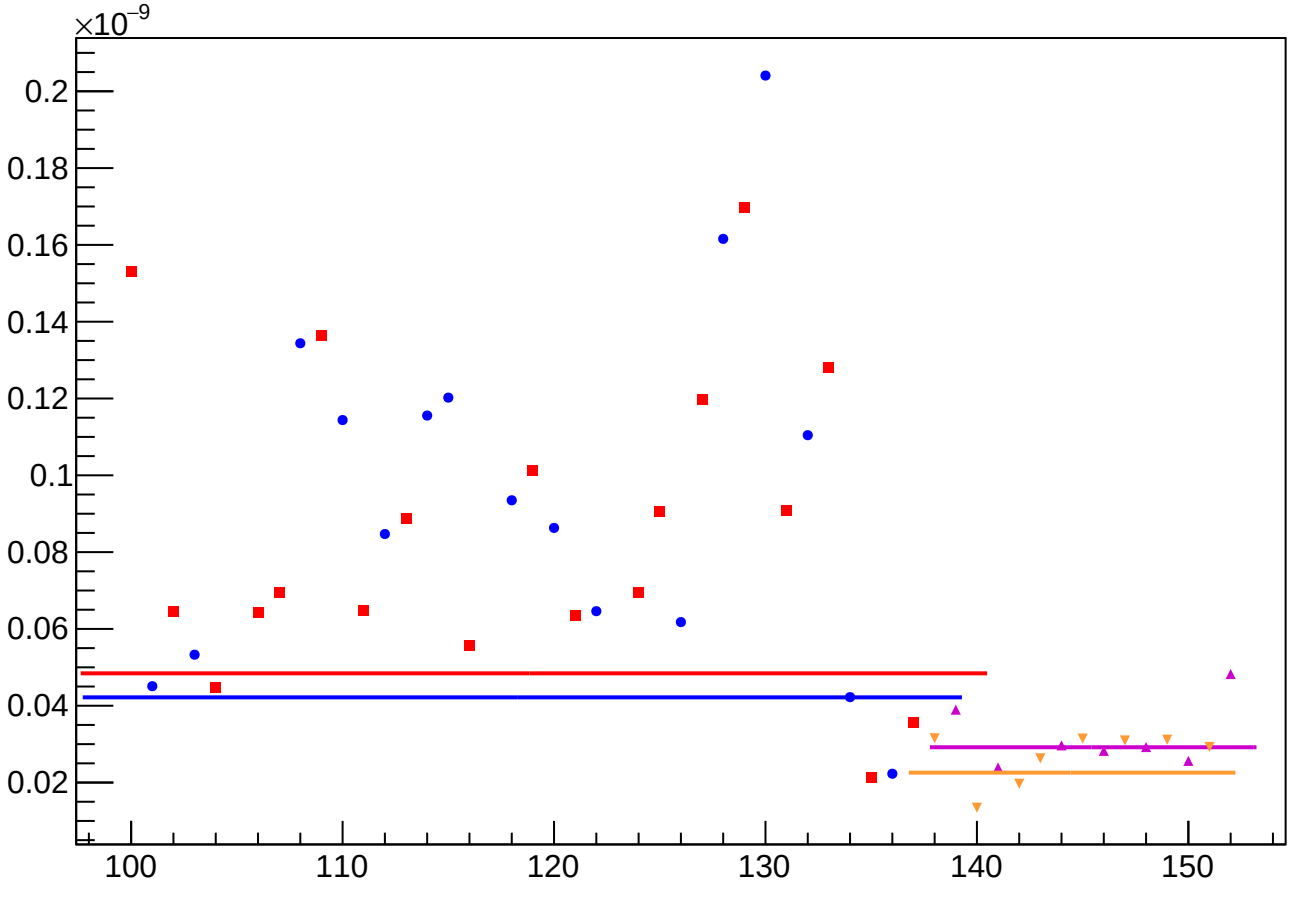
Left: -0.000+/-0.000 χ^2/NDF: 23.4/14

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

In: -0.000+/-0.000 χ^2/NDF:22.9/22

Out: -0.000+/-0.000 χ^2/NDF:40.4/26

All: -0.000+/-0.000 χ^2/NDF: 63.4/49



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:336017.5/6

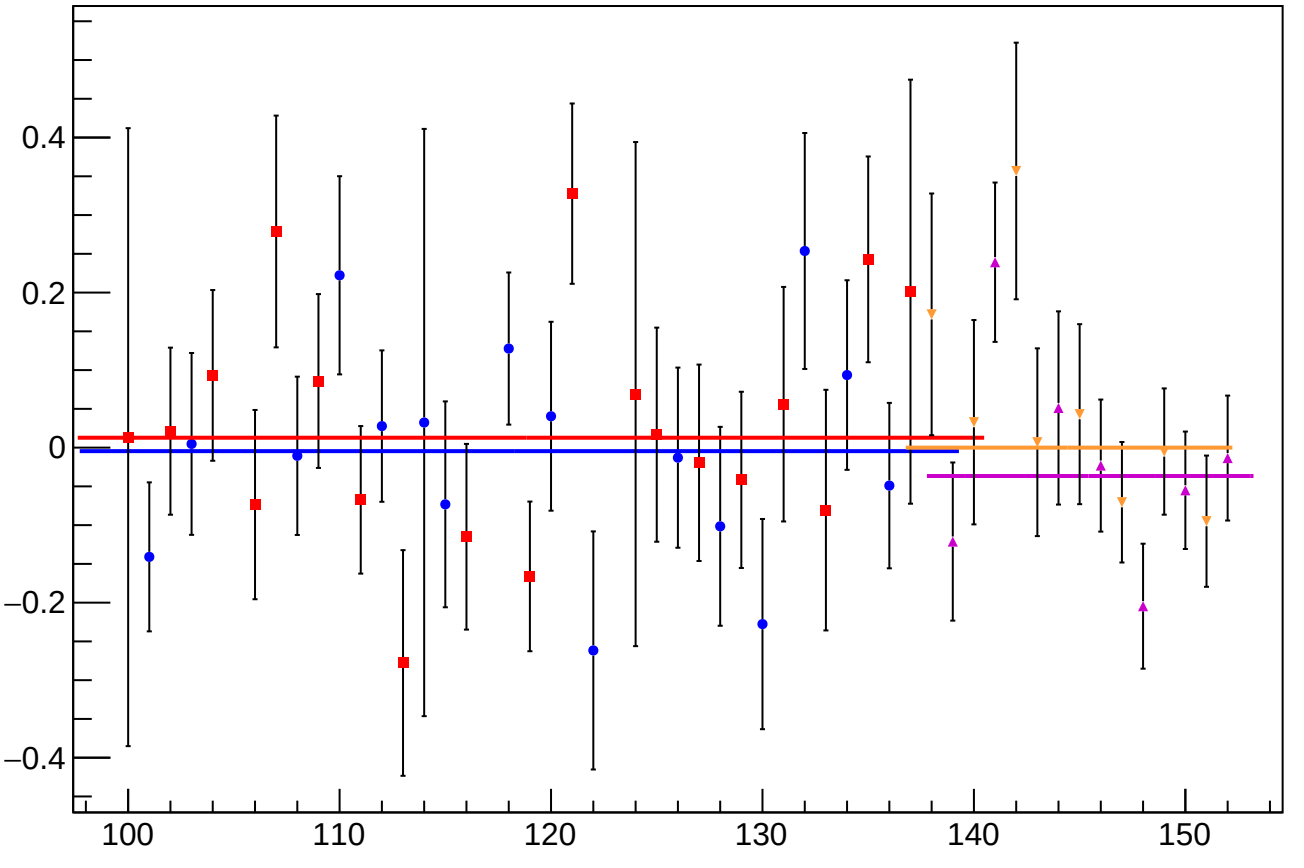
Left: 0.000+/-0.000 χ^2/NDF: 1393582.7/14

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

In: 0.000+/-0.000 χ^2/NDF:3680522.0/22

Out: 0.000+/-0.000 χ^2/NDF:4951044.7/26

All: 0.000+/-0.000 χ^2/NDF: 8864333.0/49



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: -0.037+/-0.034 χ^2/NDF:12.9/6

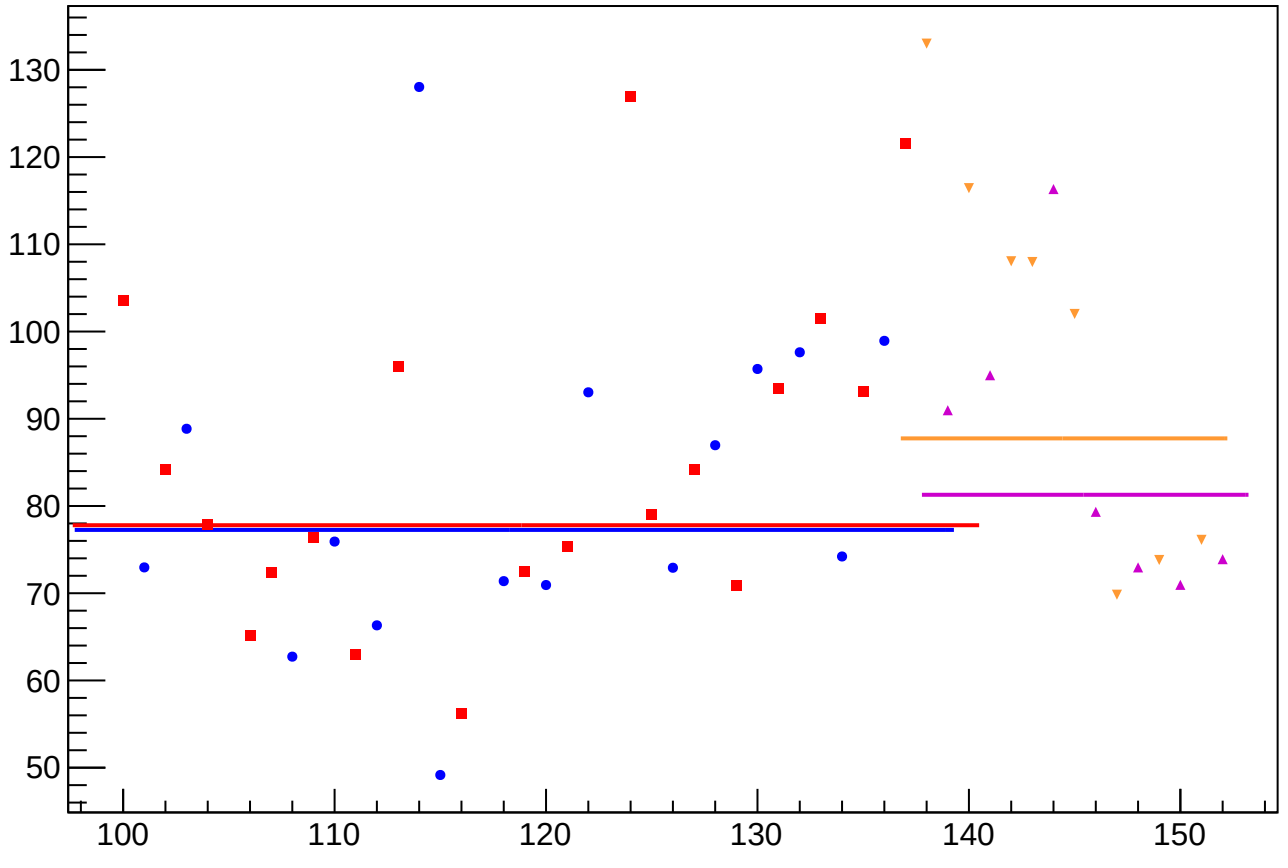
Left: -0.020+/-0.025 χ^2/NDF: 21.6/14

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.022 χ^2/NDF:30.7/22

Out: 0.008+/-0.023 χ^2/NDF:33.7/26

All: -0.006+/-0.016 χ^2/NDF: 65.1/49



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: 81.286+/-0.024 χ^2/NDF:288123.3/6

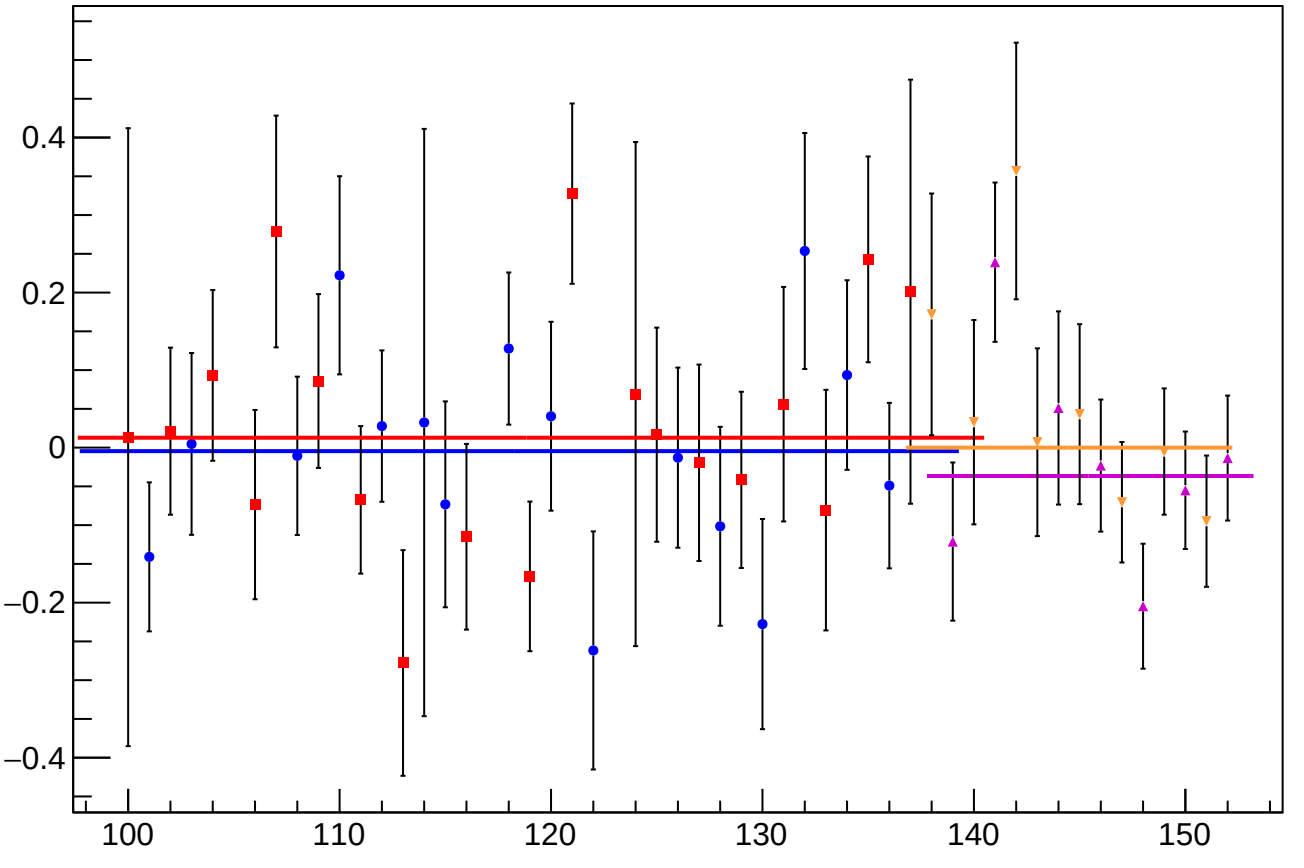
Left: 84.233+/-0.018 χ^2/NDF: 903434.9/14

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

In: 79.036+/-0.016 χ^2/NDF:723267.4/22

Out: 81.710+/-0.016 χ^2/NDF:1066630.6/26

All: 80.333+/-0.011 χ^2/NDF: 1803640.8/49


asym_usr_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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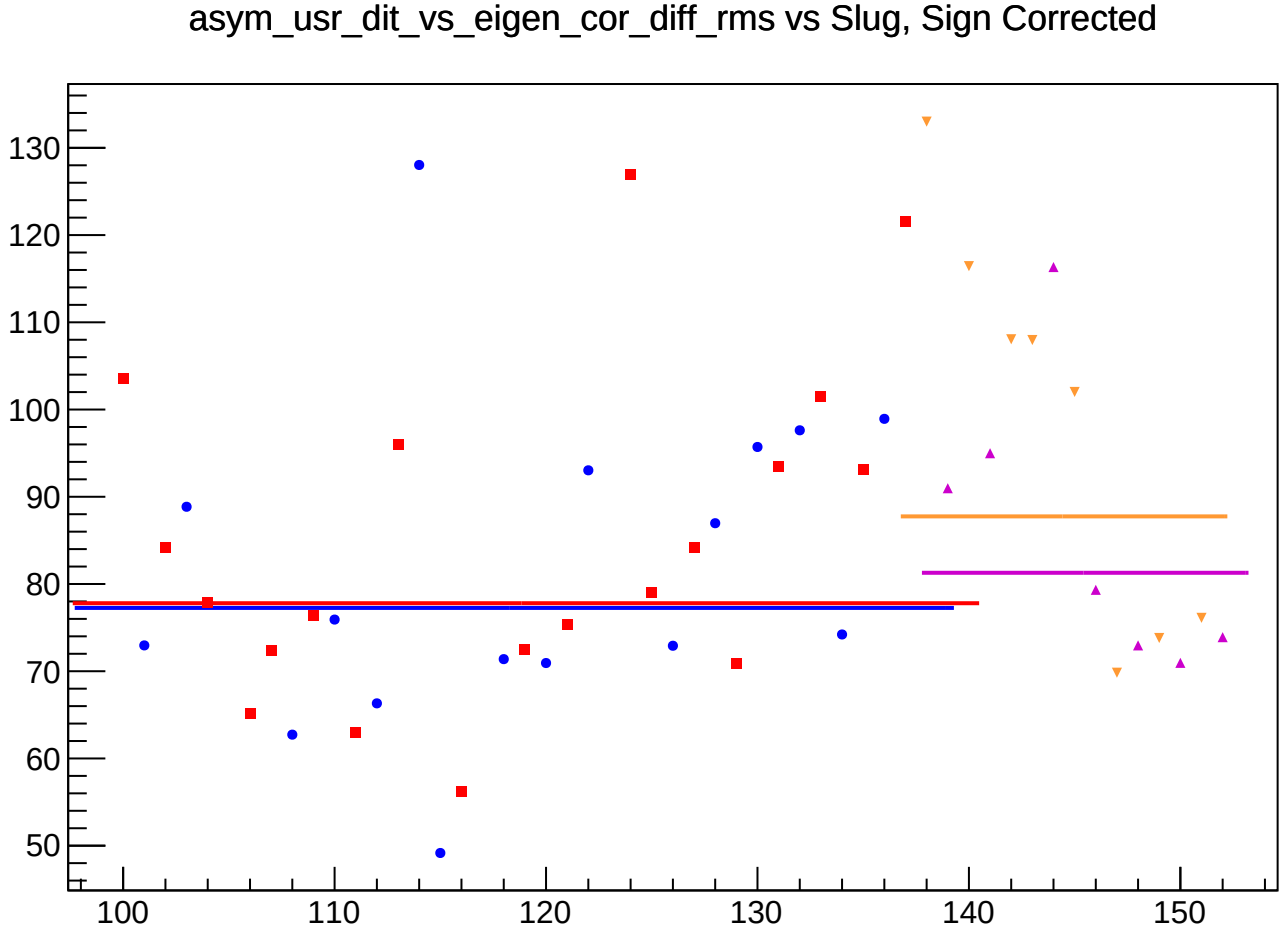
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: -0.000+/-0.037 χ²/NDF:8.2/7
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: -0.037+/-0.034 χ²/NDF:12.9/6
Left: -0.020+/-0.025 χ²/NDF: 21.6/14
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: -0.019+/-0.022 χ²/NDF:30.7/22
Out: 0.008+/-0.023 χ²/NDF:33.7/26
All: -0.006+/-0.016 χ²/NDF: 65.1/49



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: 81.286+/-0.024 χ^2/NDF:288123.3/6

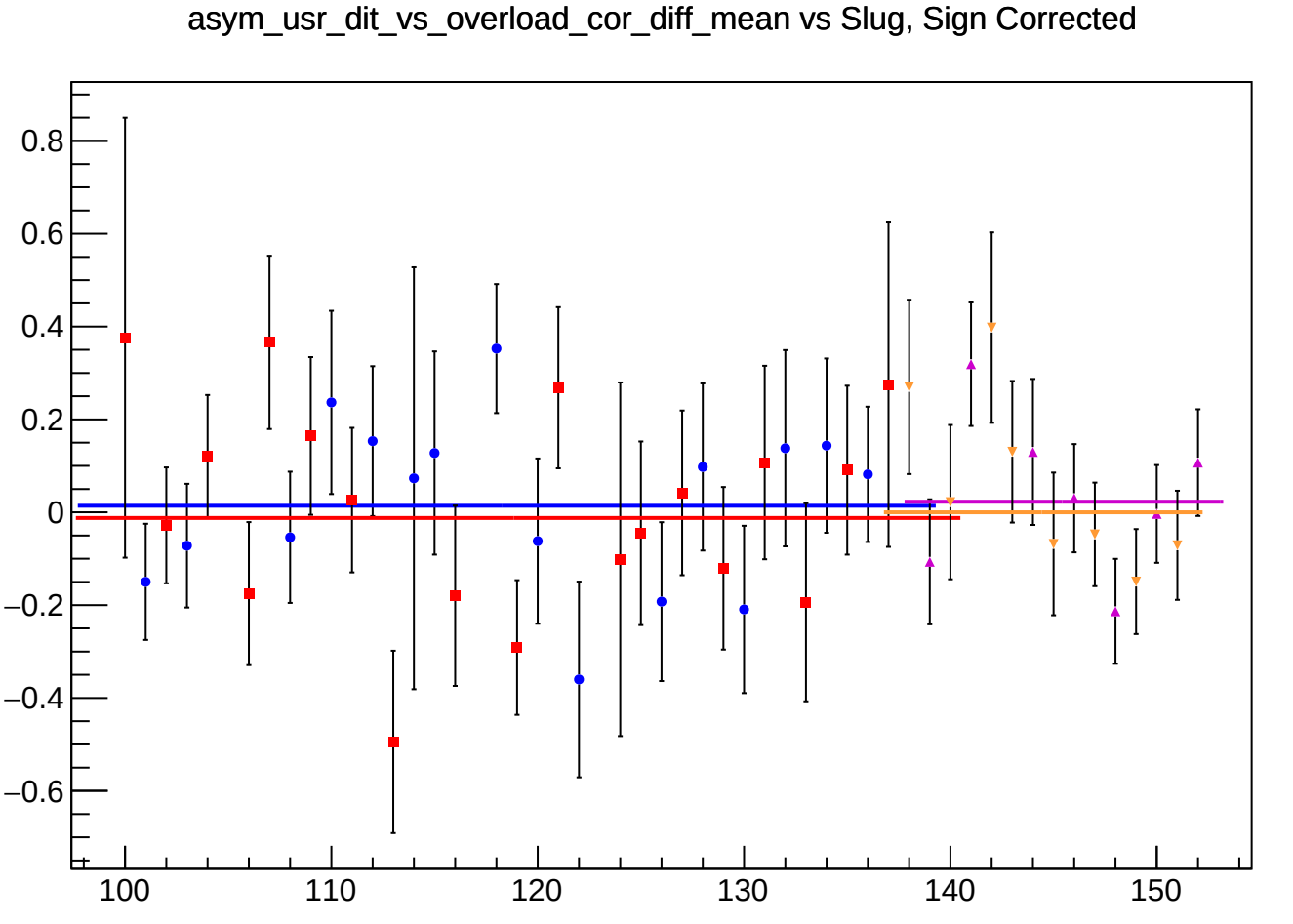
Left: 84.233+/-0.018 χ^2/NDF: 903434.9/14

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

In: 79.036+/-0.016 χ^2/NDF:723267.4/22

Out: 81.710+/-0.016 χ^2/NDF:1066630.6/26

All: 80.333+/-0.011 χ^2/NDF: 1803640.8/49


asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
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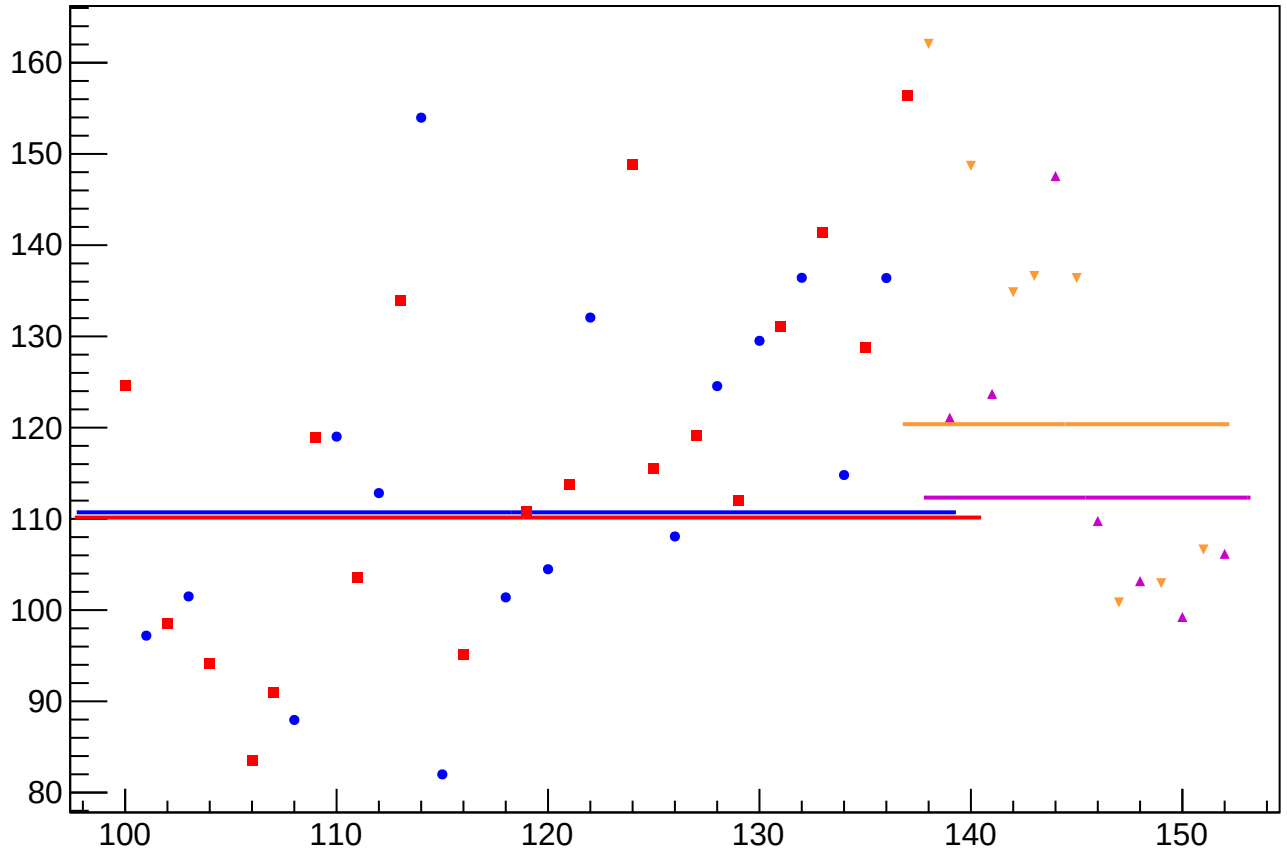
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: -0.000+/-0.050 χ²/NDF:9.1/7
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.023+/-0.046 χ²/NDF:11.3/6
Left: 0.012+/-0.034 χ²/NDF: 20.5/14
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.018+/-0.031 χ²/NDF:29.5/22
Out: -0.007+/-0.032 χ²/NDF:32.9/26
All: 0.006+/-0.022 χ²/NDF: 62.7/49



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: 112.330+/-0.033 χ^2/NDF:174282.7/6

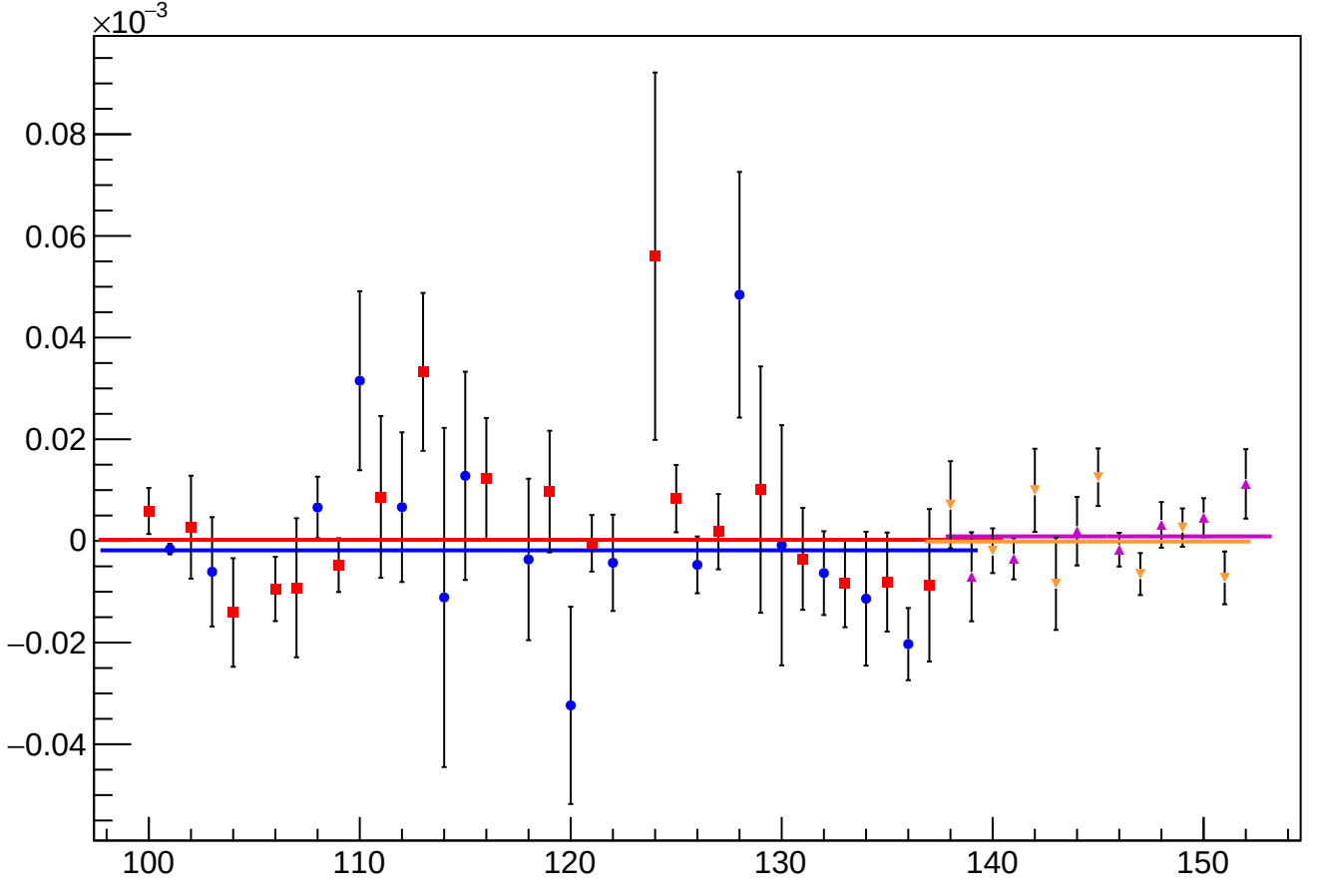
Left: 116.053+/-0.024 χ^2/NDF: 549754.9/14

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

In: 111.452+/-0.022 χ^2/NDF:475588.6/22

Out: 114.325+/-0.022 χ^2/NDF:724160.1/26

All: 112.861+/-0.016 χ^2/NDF: 1208085.8/49



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:6.1/6

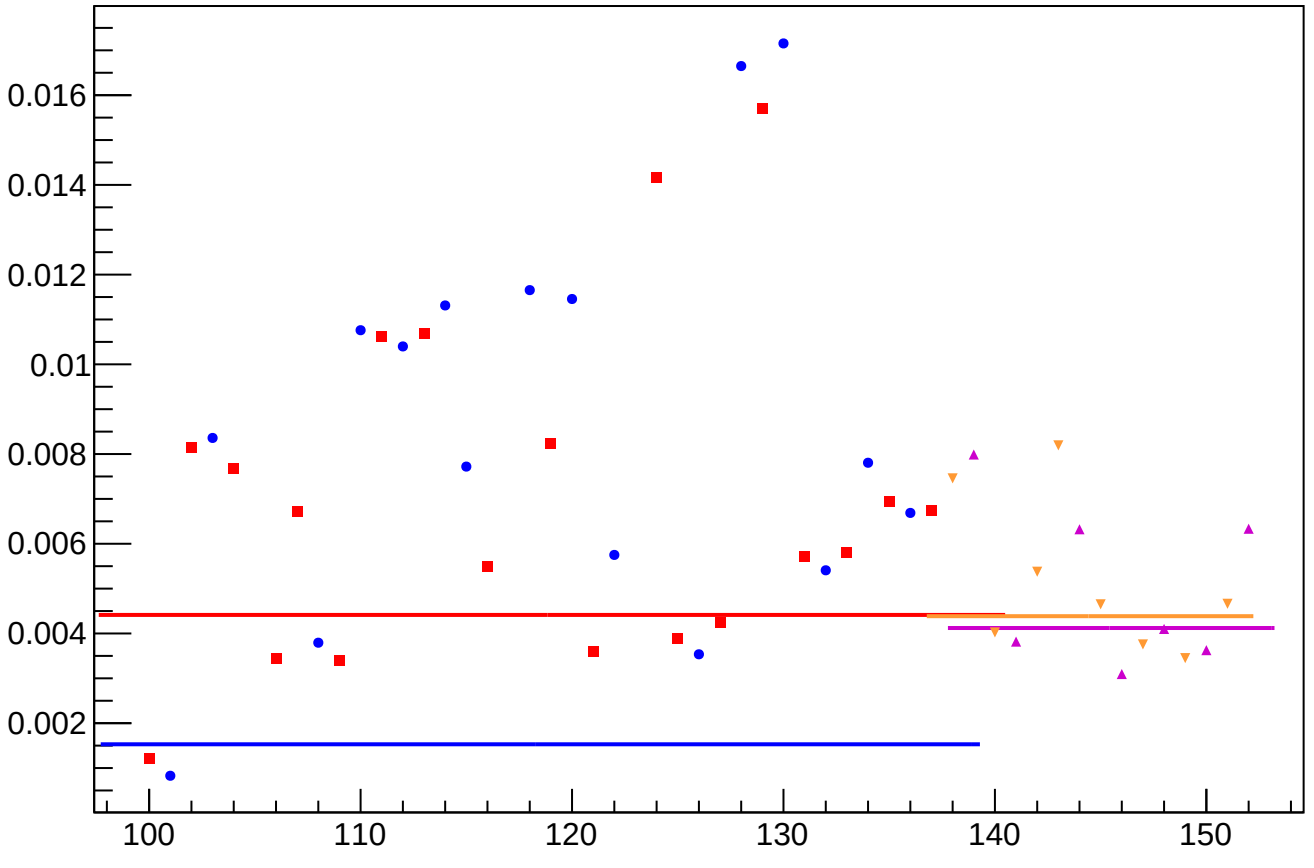
Left: 0.000+/-0.000 χ^2/NDF: 19.3/14

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

In: -0.000+/-0.000 χ^2/NDF:29.4/22

Out: 0.000+/-0.000 χ^2/NDF:32.9/26

All: -0.000+/-0.000 χ^2/NDF: 62.9/49



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:1049037.3/6

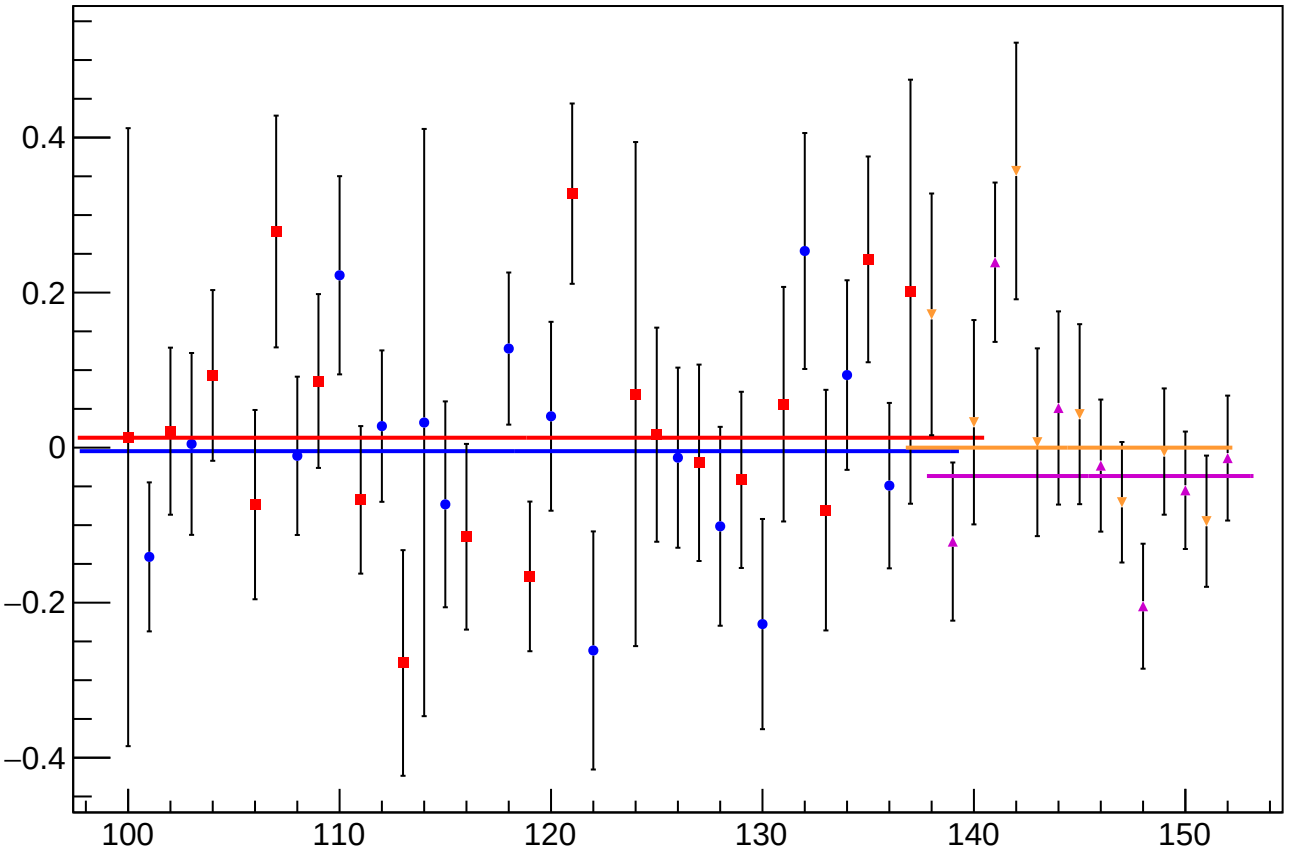
Left: 0.004+/-0.000 χ^2/NDF: 1899515.9/14

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

In: 0.002+/-0.000 χ^2/NDF:13617209.6/22

Out: 0.004+/-0.000 χ^2/NDF:4217470.6/26

All: 0.003+/-0.000 χ^2/NDF: 21895349.9/49



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: -0.037+/-0.034 χ^2/NDF:12.9/6

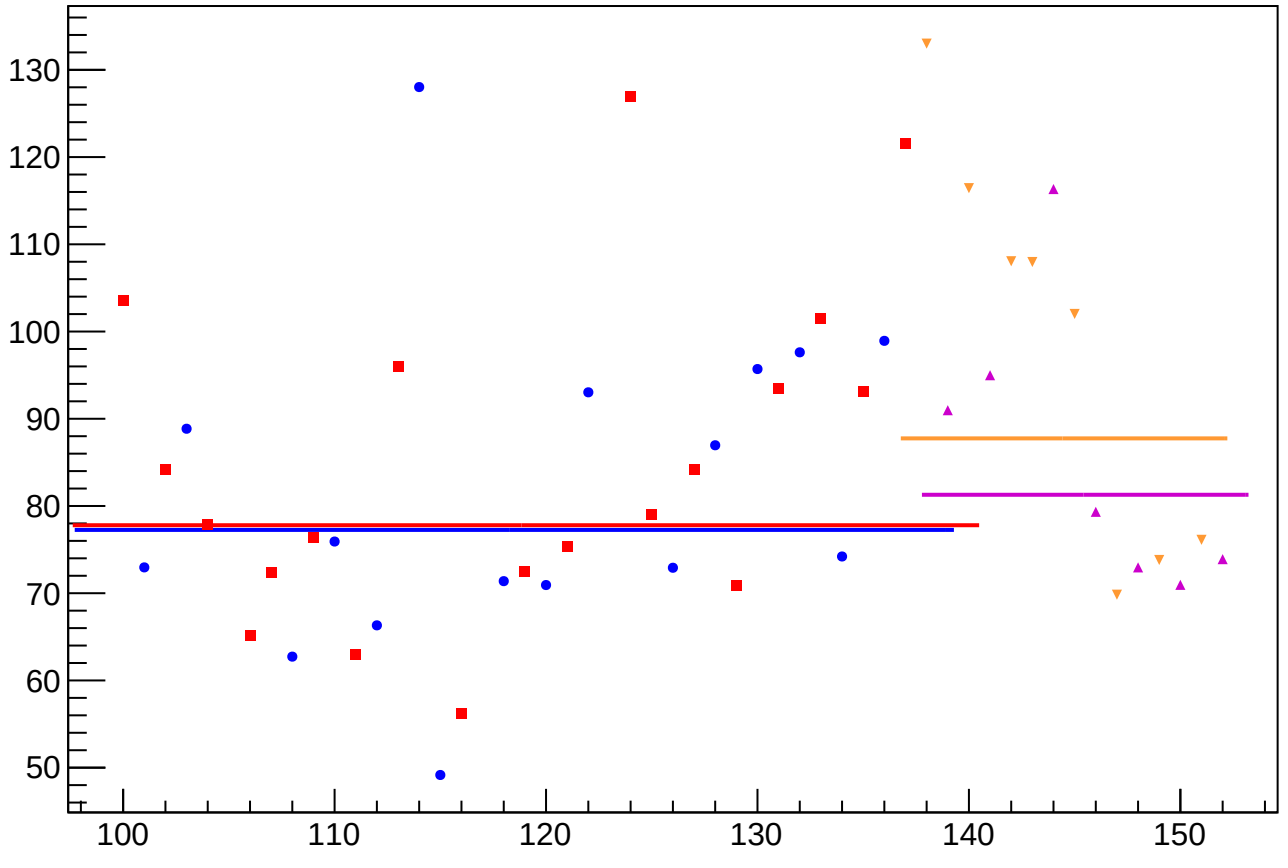
Left: -0.020+/-0.025 χ^2/NDF: 21.6/14

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.022 χ^2/NDF:30.7/22

Out: 0.008+/-0.023 χ^2/NDF:33.7/26

All: -0.006+/-0.016 χ^2/NDF: 65.1/49



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: 81.286+/-0.024 χ^2/NDF:288128.2/6

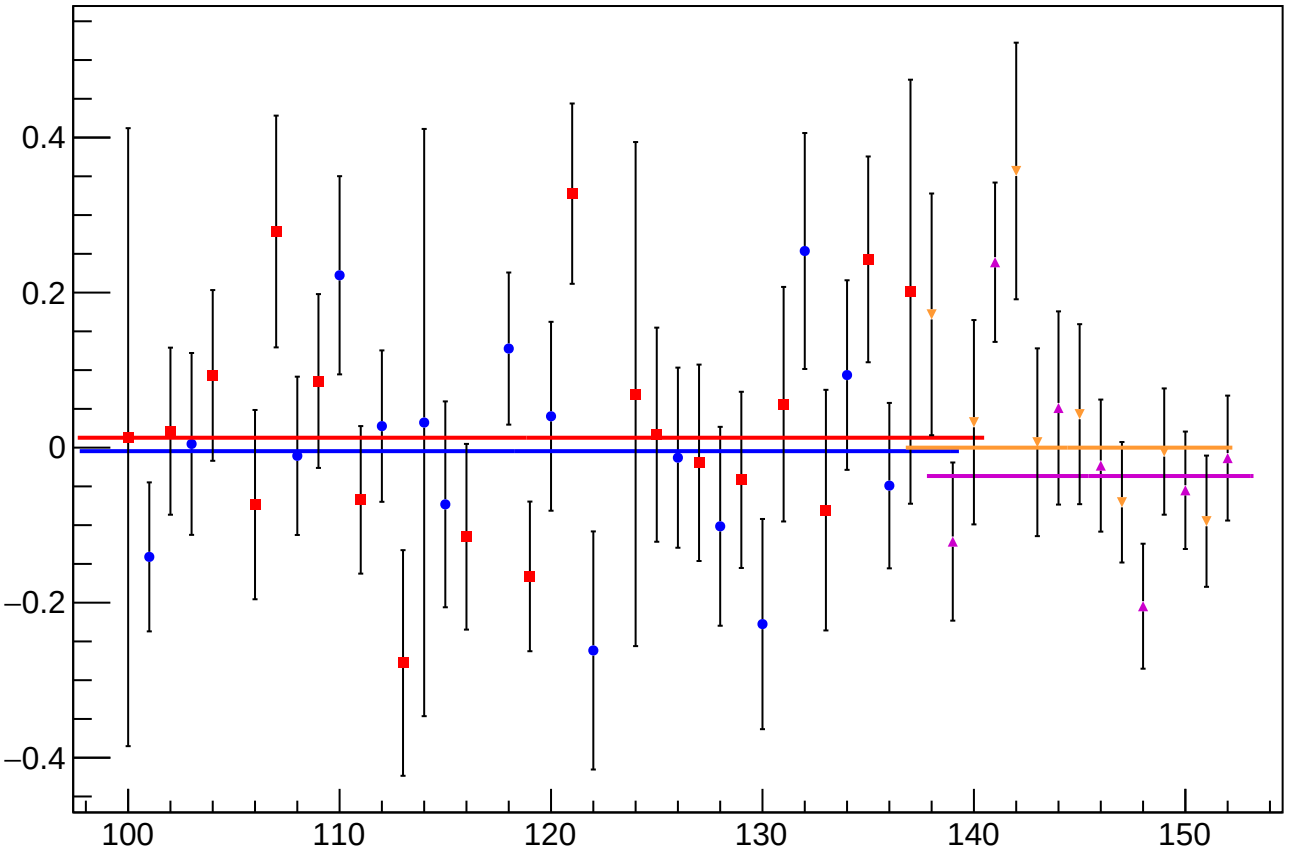
Left: 84.233+/-0.018 χ^2/NDF: 903449.6/14

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

In: 79.035+/-0.016 χ^2/NDF:723272.9/22

Out: 81.709+/-0.016 χ^2/NDF:1066669.0/26

All: 80.332+/-0.011 χ^2/NDF: 1803683.1/49


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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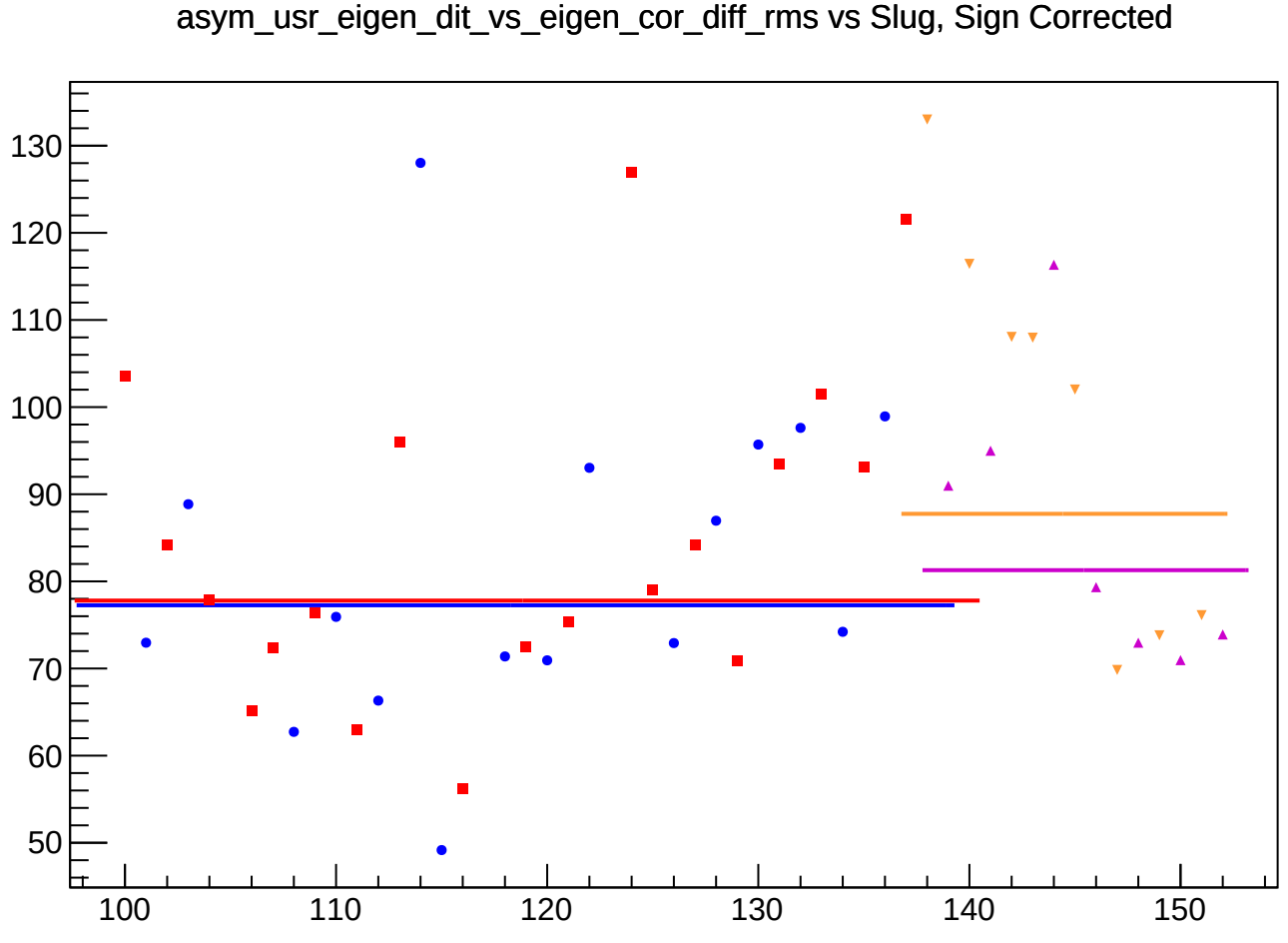
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: -0.000+/-0.037 χ²/NDF:8.2/7
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: -0.037+/-0.034 χ²/NDF:12.9/6
Left: -0.020+/-0.025 χ²/NDF: 21.6/14
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: -0.019+/-0.022 χ²/NDF:30.7/22
Out: 0.008+/-0.023 χ²/NDF:33.7/26
All: -0.006+/-0.016 χ²/NDF: 65.1/49



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: 81.286+/-0.024 χ^2/NDF:288128.2/6

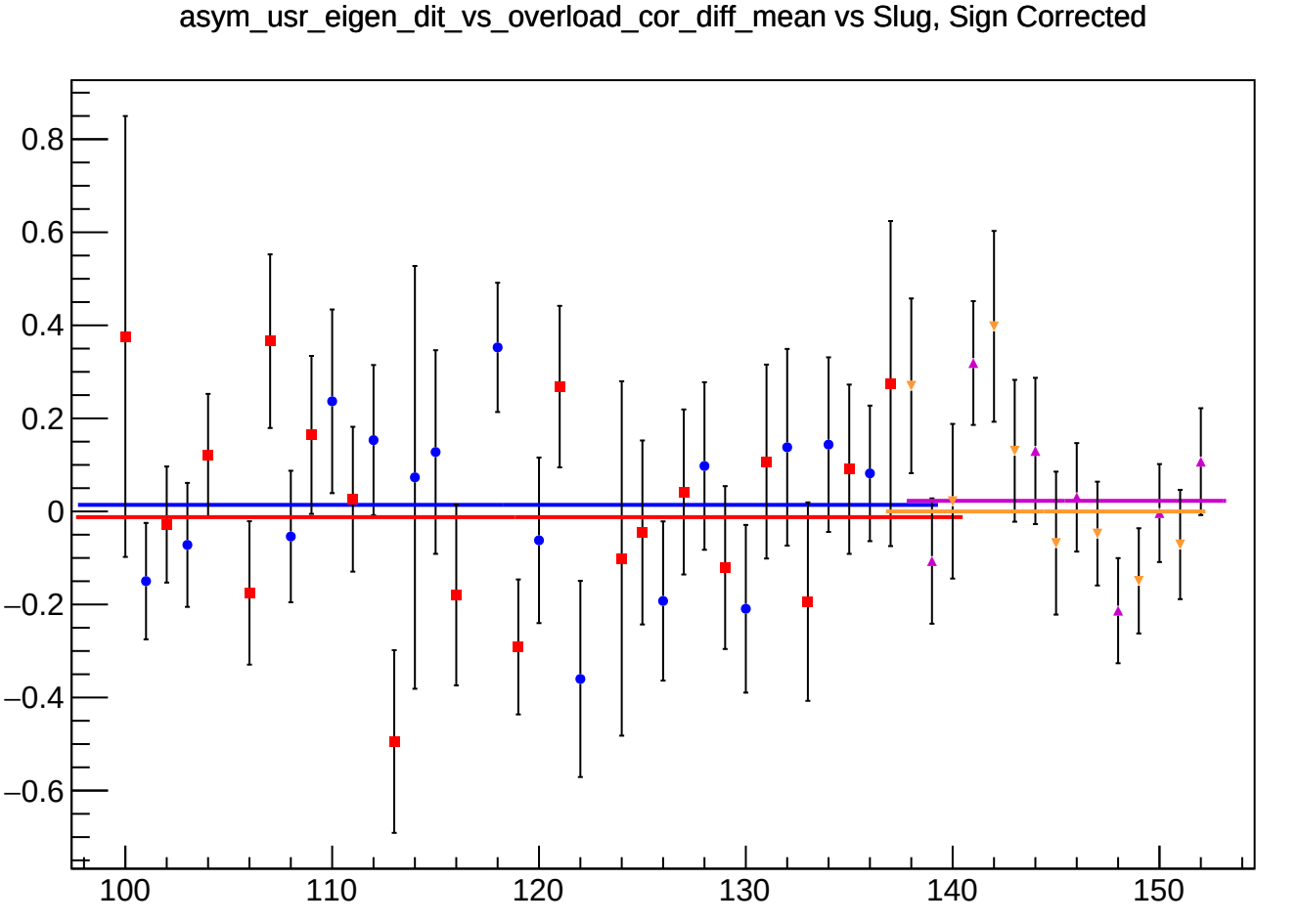
Left: 84.233+/-0.018 χ^2/NDF: 903449.6/14

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

In: 79.035+/-0.016 χ^2/NDF:723272.9/22

Out: 81.709+/-0.016 χ^2/NDF:1066669.0/26

All: 80.332+/-0.011 χ^2/NDF: 1803683.1/49


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
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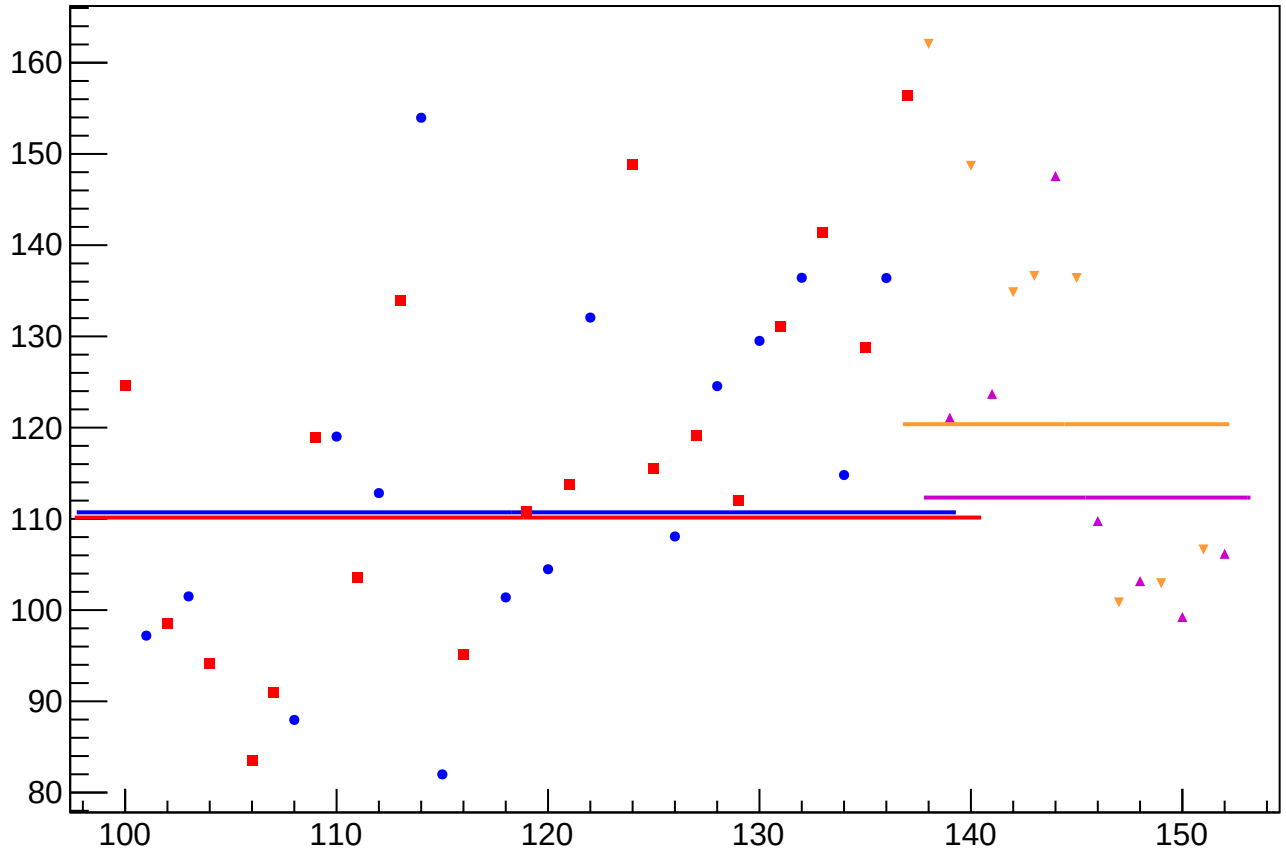
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: -0.000+/-0.050 χ²/NDF:9.1/7
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.023+/-0.046 χ²/NDF:11.3/6
Left: 0.012+/-0.034 χ²/NDF: 20.5/14
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.018+/-0.031 χ²/NDF:29.5/22
Out: -0.007+/-0.032 χ²/NDF:32.9/26
All: 0.006+/-0.022 χ²/NDF: 62.7/49



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: 112.330+/-0.033 χ^2/NDF:174286.5/6

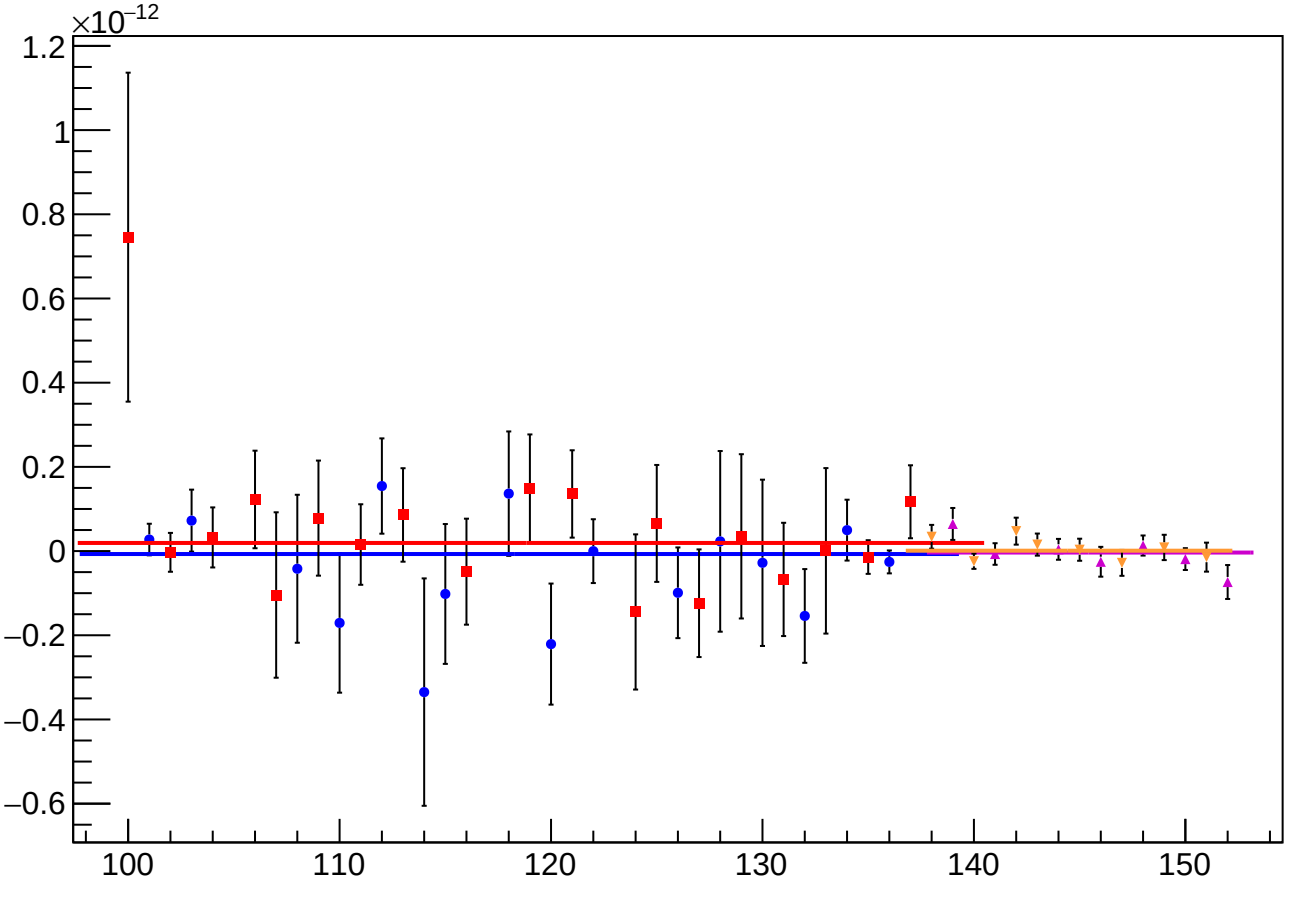
Left: 116.053+/-0.024 χ^2/NDF: 549761.1/14

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

In: 111.451+/-0.022 χ^2/NDF:475569.6/22

Out: 114.325+/-0.022 χ^2/NDF:724141.8/26

All: 112.860+/-0.016 χ^2/NDF: 1208048.5/49



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:7.6/6

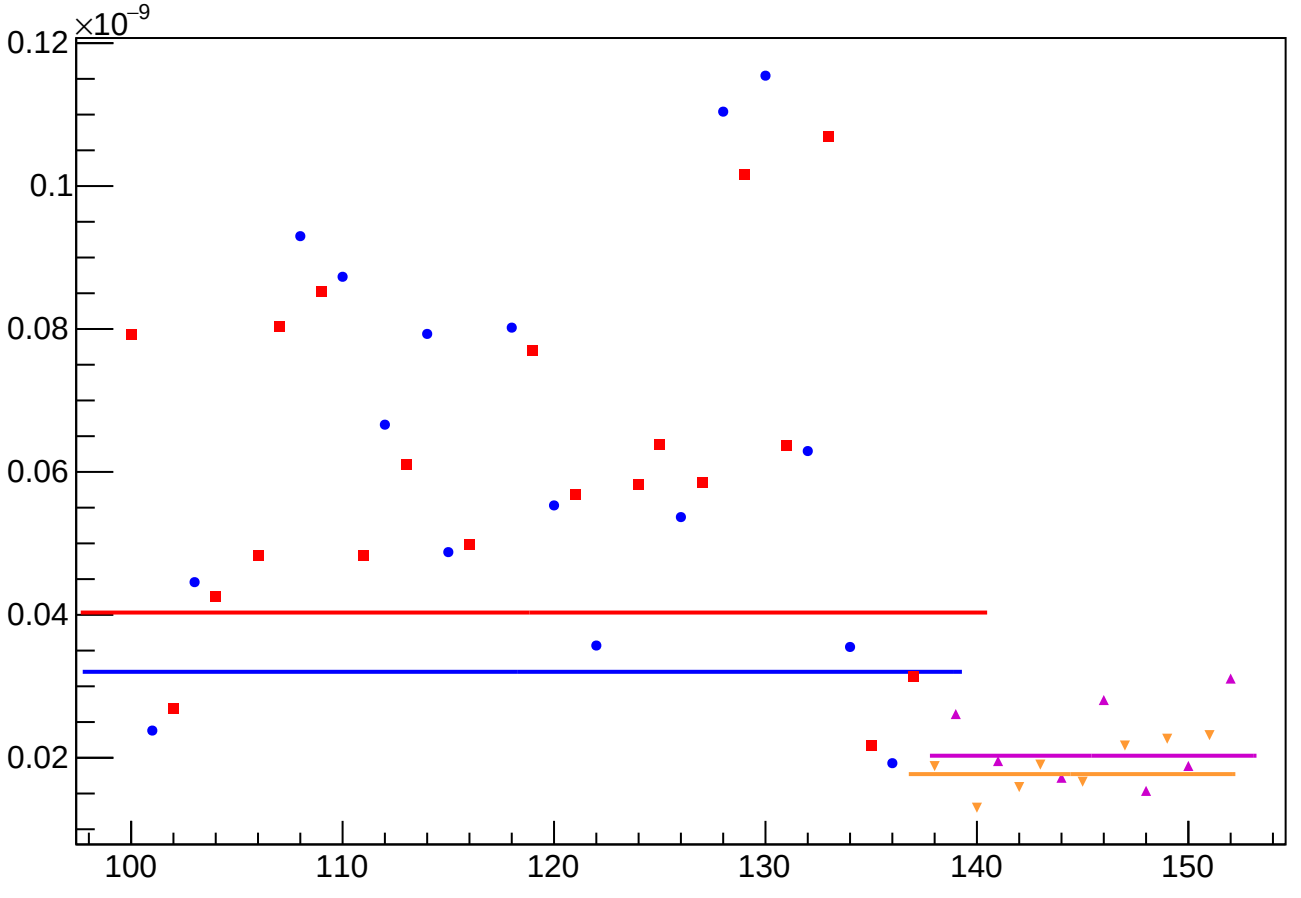
Left: -0.000+/-0.000 χ^2/NDF: 14.5/14

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:21.2/22

Out: 0.000+/-0.000 χ^2/NDF:20.1/26

All: 0.000+/-0.000 χ^2/NDF: 41.7/49



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:411205.7/6

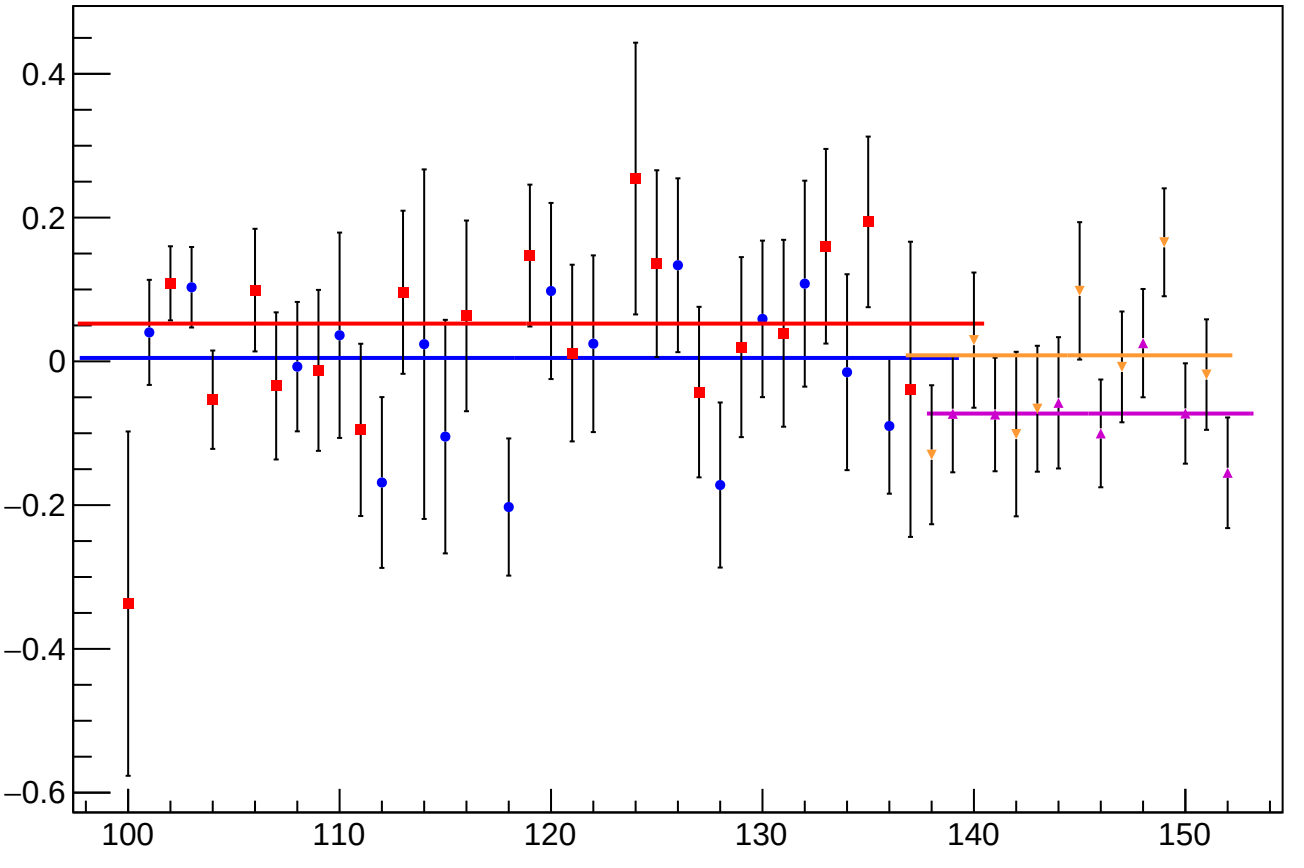
Left: 0.000+/-0.000 χ^2/NDF: 765630.6/14

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

In: 0.000+/-0.000 χ^2/NDF:3499108.1/22

Out: 0.000+/-0.000 χ^2/NDF:4065704.9/26

All: 0.000+/-0.000 χ^2/NDF: 7611977.3/49


asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
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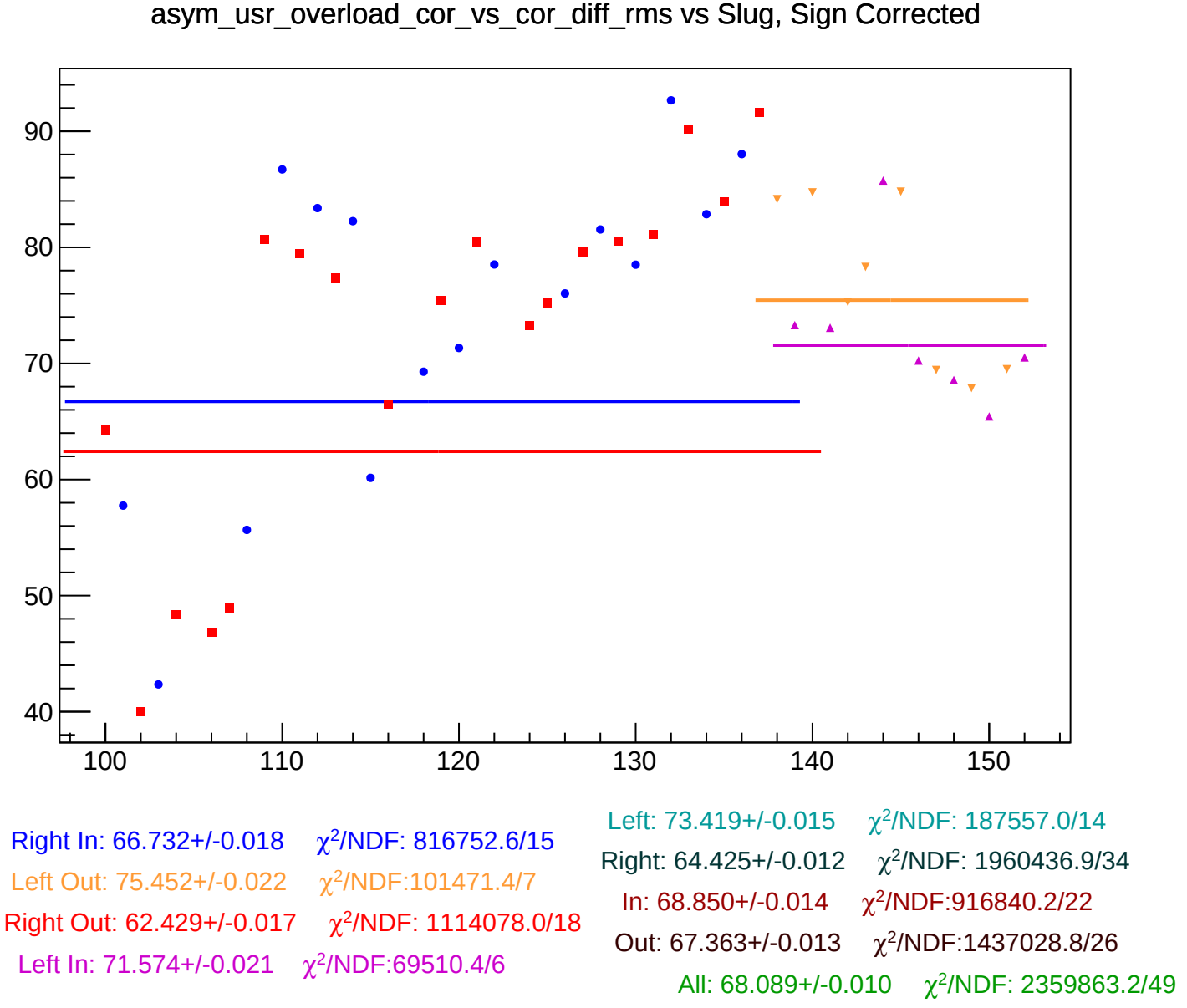
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: 0.008+/-0.031 χ²/NDF:9.2/7
Right Out: 0.053+/-0.024 χ²/NDF: 14.8/18
Left In: -0.073+/-0.029 χ²/NDF:3.0/6
Left: -0.034+/-0.021 χ²/NDF: 15.8/14
Right: 0.030+/-0.018 χ²/NDF: 33.2/34
In: -0.029+/-0.019 χ²/NDF:23.5/22
Out: 0.036+/-0.019 χ²/NDF:25.2/26
All: 0.004+/-0.014 χ²/NDF: 54.5/49


asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
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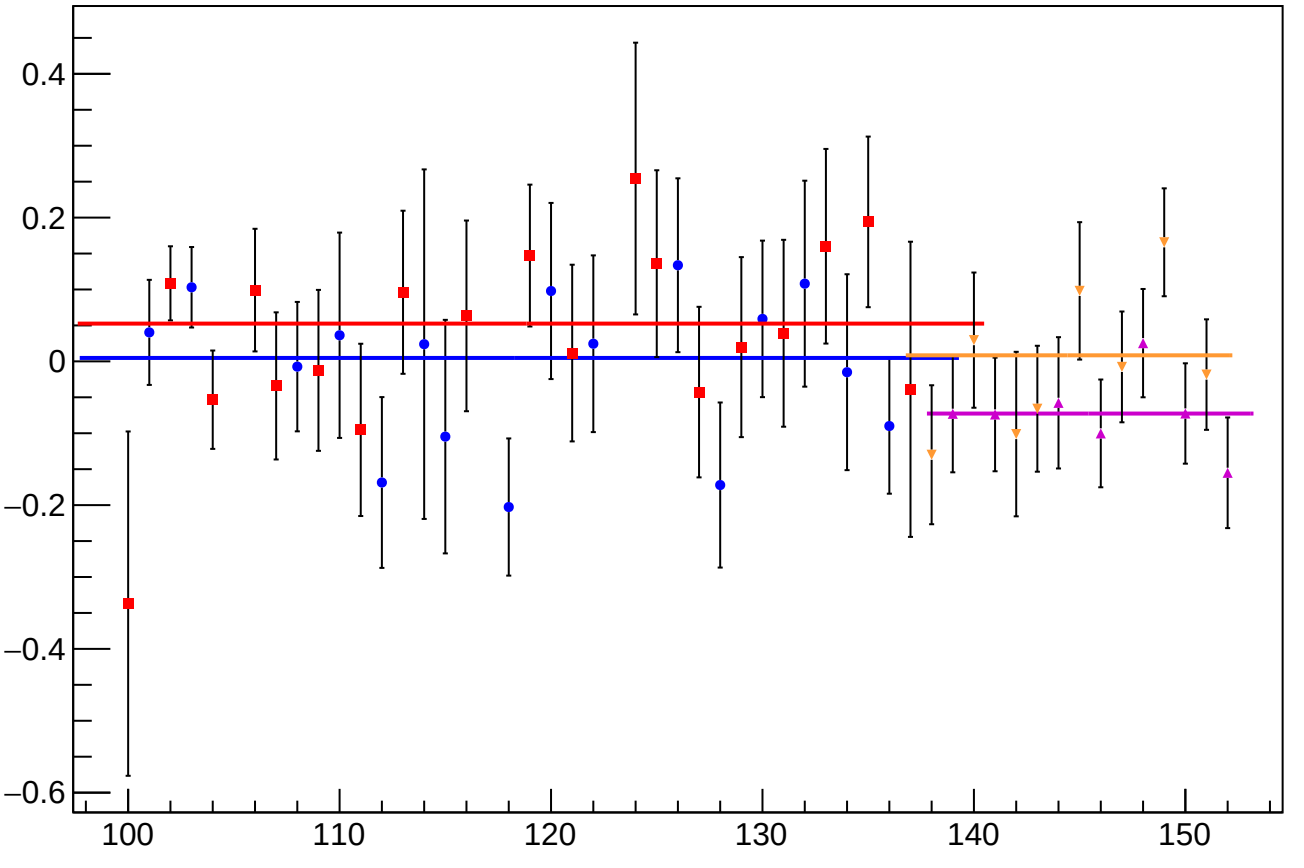
Right In: 66.732+/-0.018 χ²/NDF: 816752.6/15
Left Out: 75.452+/-0.022 χ²/NDF:101471.4/7
Right Out: 62.429+/-0.017 χ²/NDF: 1114078.0/18
Left In: 71.574+/-0.021 χ²/NDF:69510.4/6
Left: 73.419+/-0.015 χ²/NDF: 187557.0/14
Right: 64.425+/-0.012 χ²/NDF: 1960436.9/34
In: 68.850+/-0.014 χ²/NDF:916840.2/22
Out: 67.363+/-0.013 χ²/NDF:1437028.8/26
All: 68.089+/-0.010 χ²/NDF: 2359863.2/49



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: -0.073+/-0.029 χ^2/NDF:3.0/6

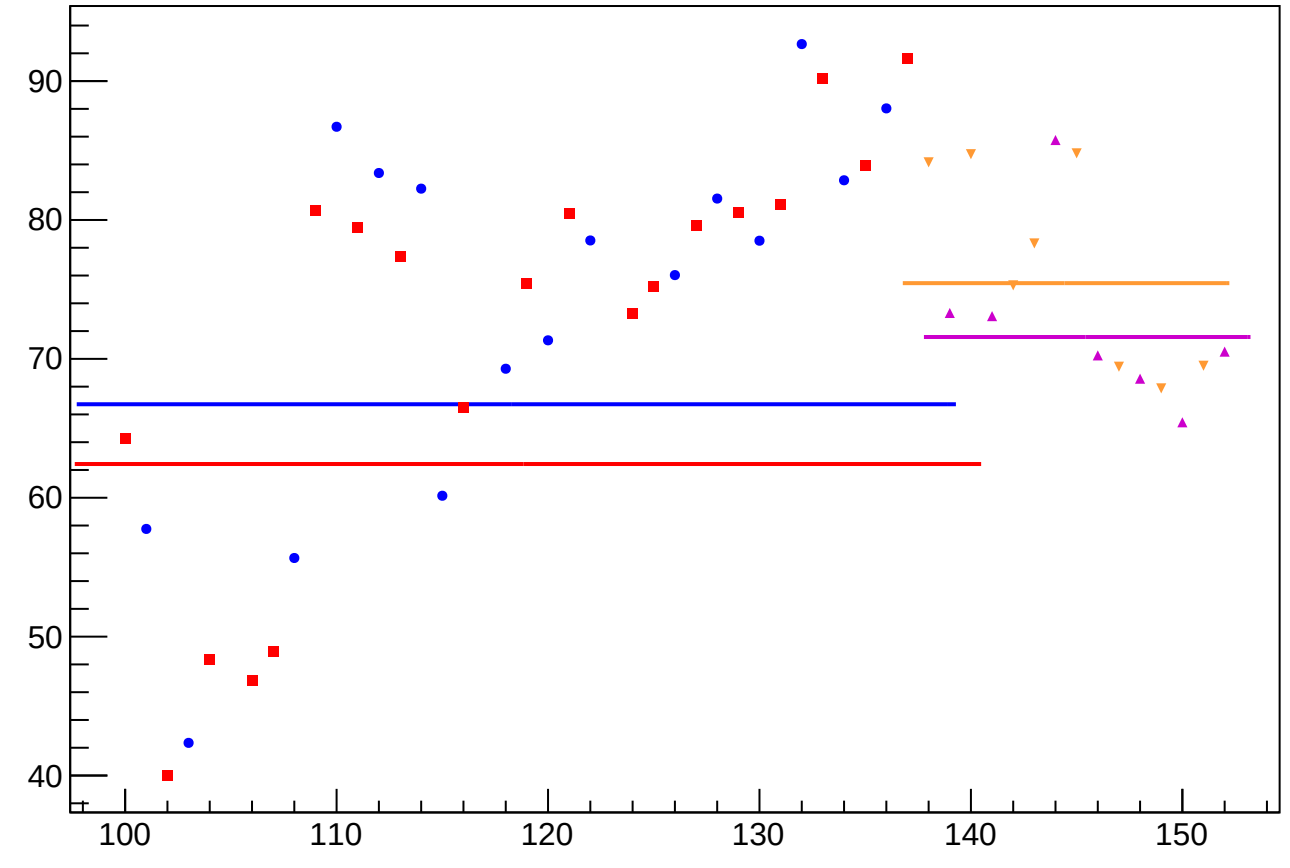
Left: -0.034+/-0.021 χ^2/NDF: 15.8/14

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.019 χ^2/NDF:23.5/22

Out: 0.036+/-0.019 χ^2/NDF:25.2/26

All: 0.004+/-0.014 χ^2/NDF: 54.5/49



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: 71.574+/-0.021 χ^2/NDF:69510.4/6

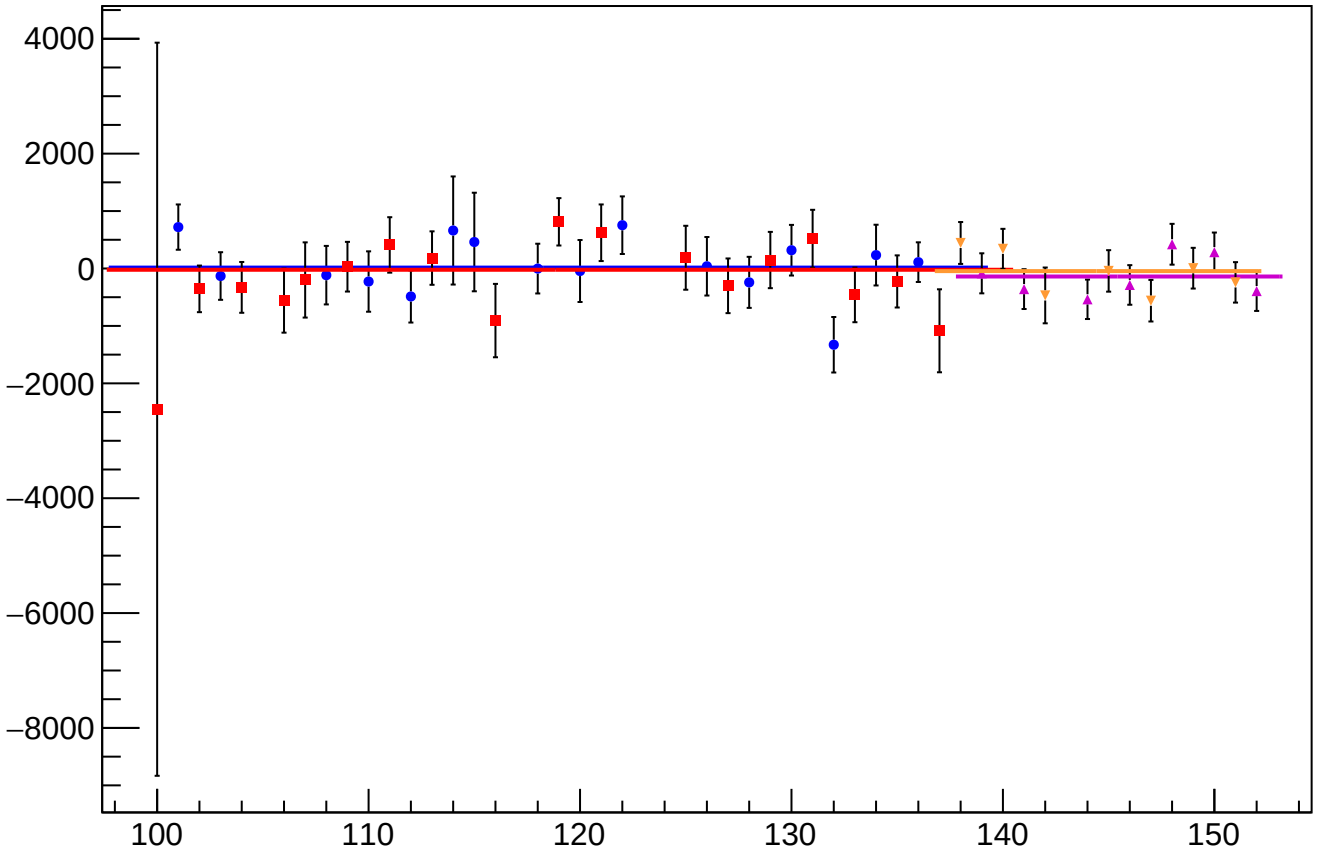
Left: 73.419+/-0.015 χ^2/NDF: 187557.0/14

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

In: 68.850+/-0.014 χ^2/NDF:916840.2/22

Out: 67.363+/-0.013 χ^2/NDF:1437028.8/26

All: 68.089+/-0.010 χ^2/NDF: 2359863.2/49



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: -139.588+/-130.980 χ^2/NDF:6.5/6

Left: -95.551+/-95.512 χ^2/NDF: 12.9/13

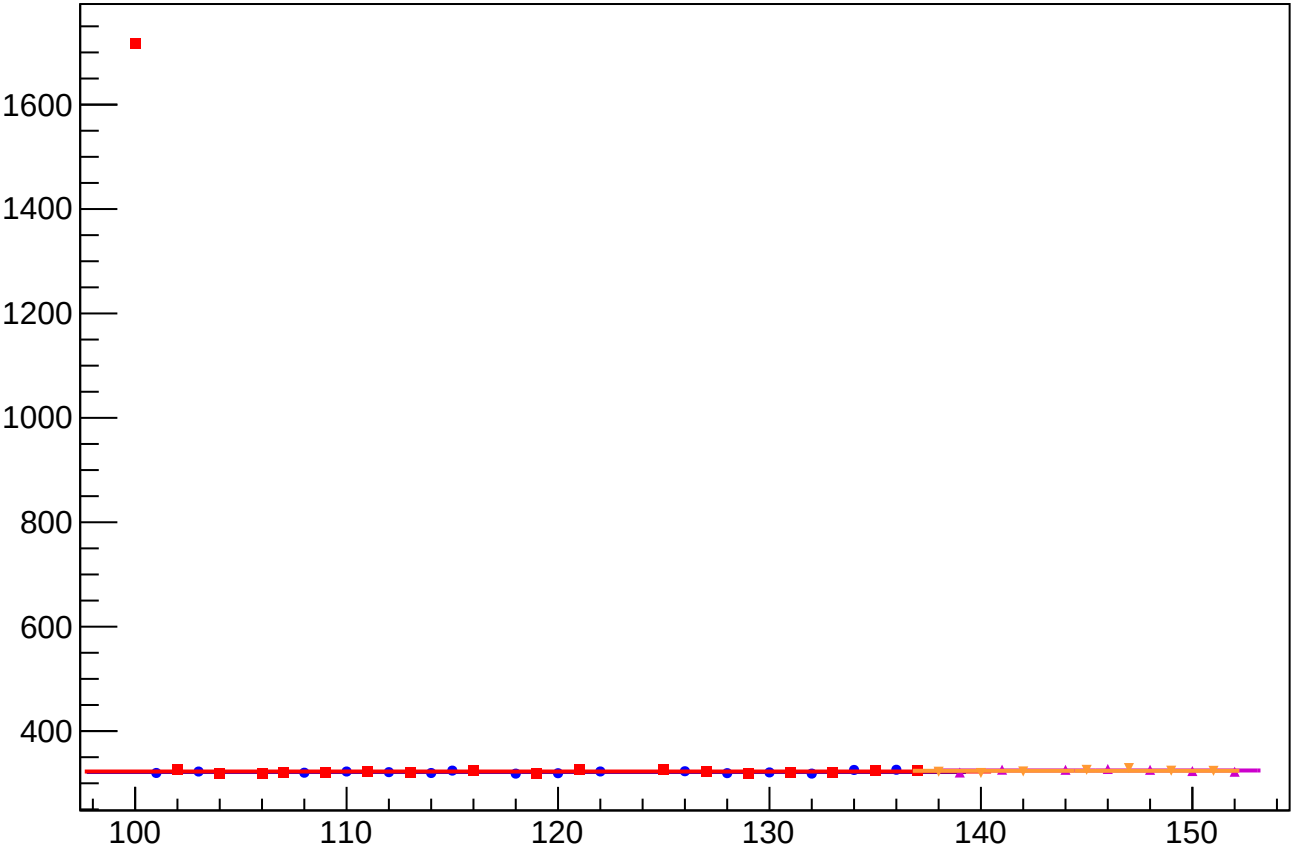
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -54.897+/-88.251 χ^2/NDF:23.8/22

Out: -32.013+/-90.649 χ^2/NDF:22.2/24

All: -43.762+/-63.234 χ^2/NDF: 46.0/47

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: 324.535+/-0.093 χ^2/NDF:596.1/6

Left: 324.247+/-0.068 χ^2/NDF: 1432.4/13

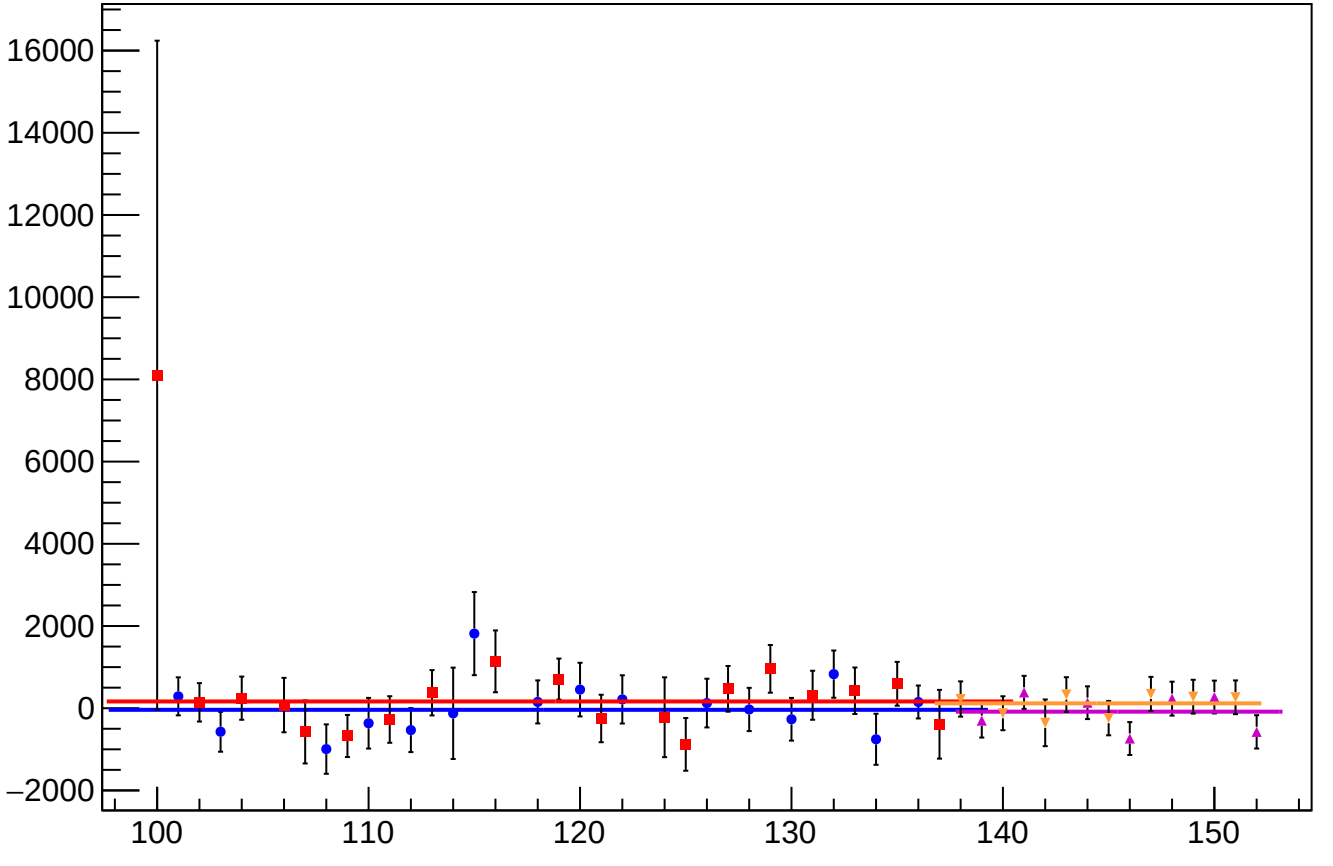
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 322.935+/-0.062 χ^2/NDF:1966.0/22

Out: 323.129+/-0.064 χ^2/NDF:97818.4/24

All: 323.029+/-0.045 χ^2/NDF: 99789.0/47

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: -83.989+/-152.812 χ^2/NDF:7.5/6

Left: 17.977+/-107.704 χ^2/NDF: 11.0/14

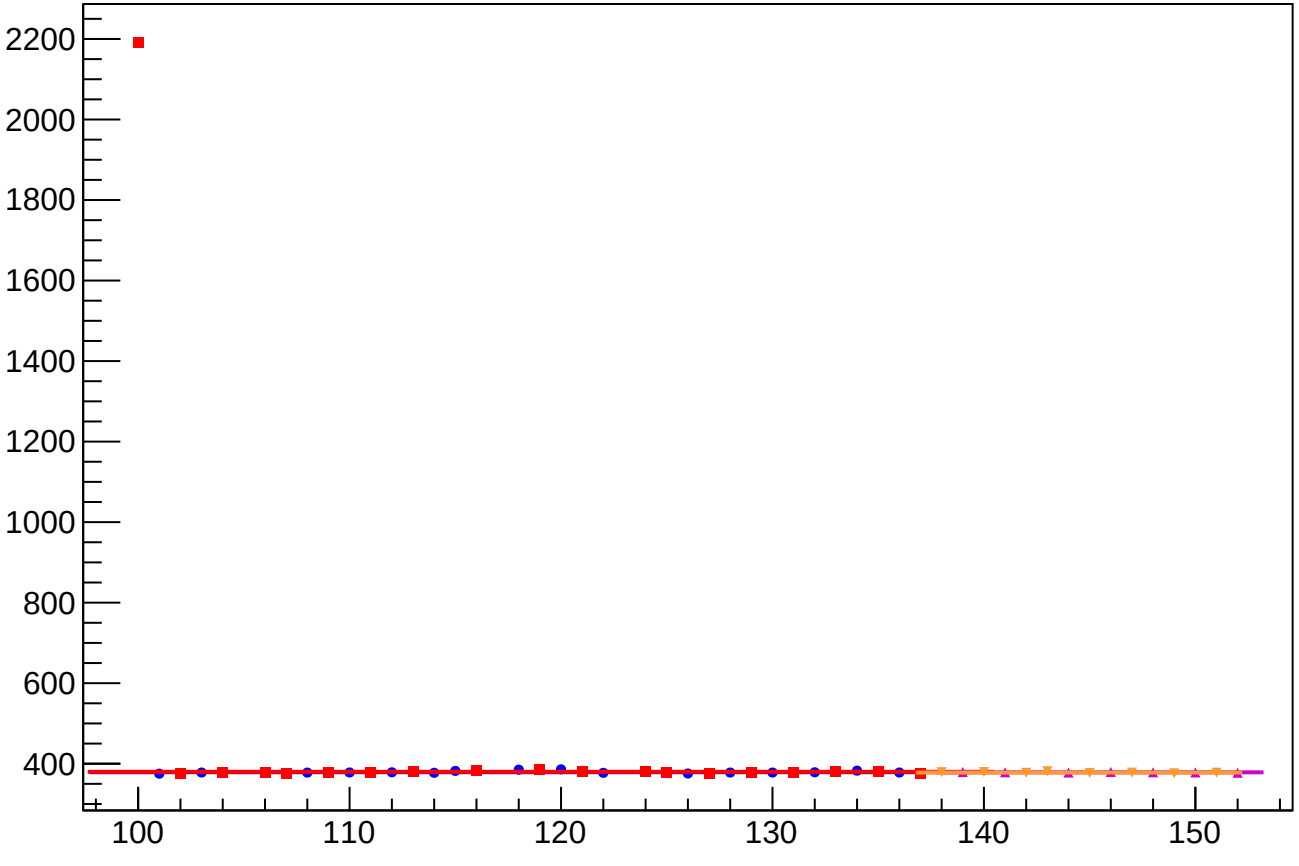
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -59.598+/-103.515 χ^2/NDF:21.2/22

Out: 143.666+/-102.508 χ^2/NDF:17.8/26

All: 43.028+/-72.837 χ^2/NDF: 41.0/49

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: 378.615+/-0.108 χ^2/NDF:32.9/6

Left: 378.352+/-0.076 χ^2/NDF: 238.3/14

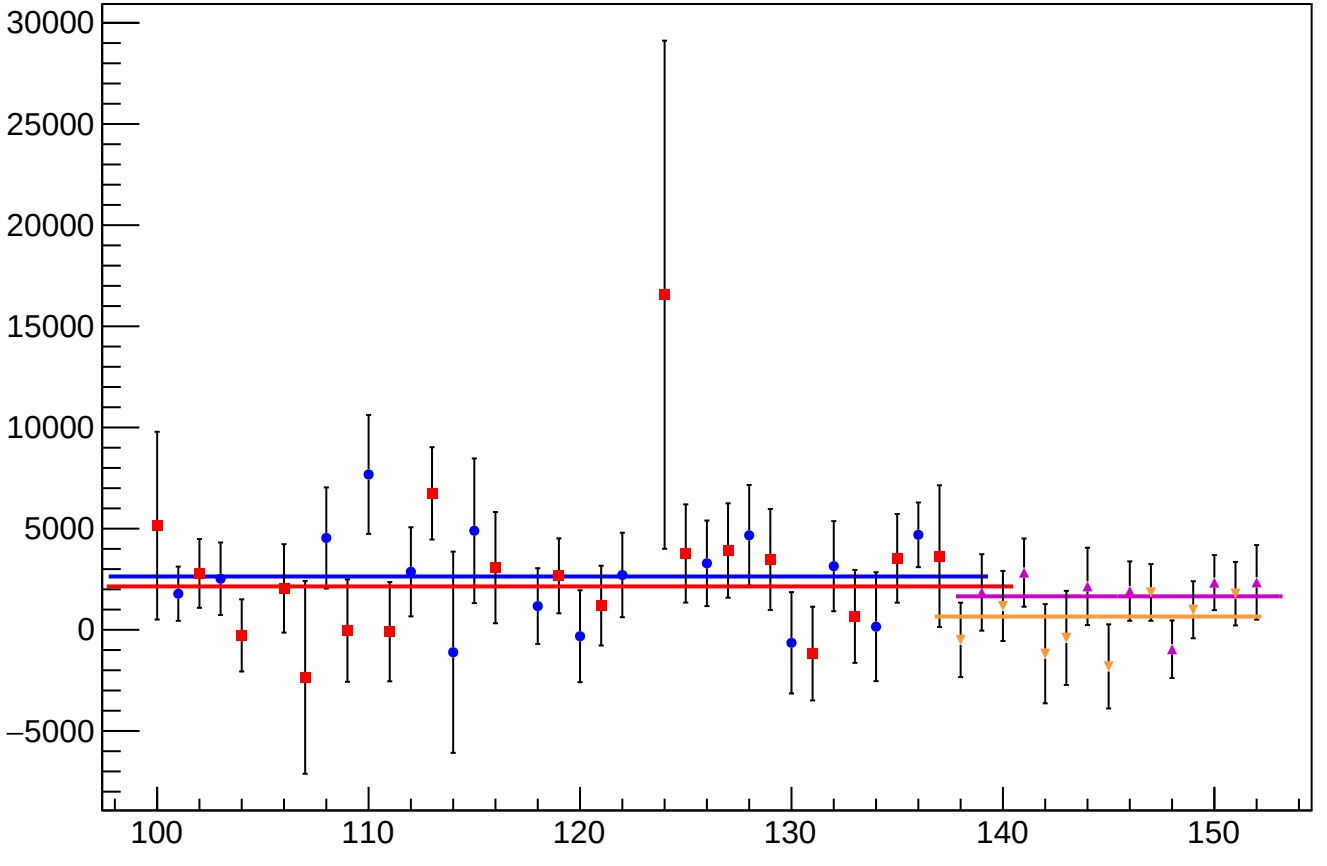
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.774+/-0.073 χ^2/NDF:888.1/22

Out: 379.064+/-0.072 χ^2/NDF:99965.6/26

All: 378.921+/-0.052 χ^2/NDF: 100861.6/49

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: 1653.489+/-608.702 χ^2/NDF:4.4/6

Left: 1160.384+/-433.165 χ^2/NDF: 9.7/14

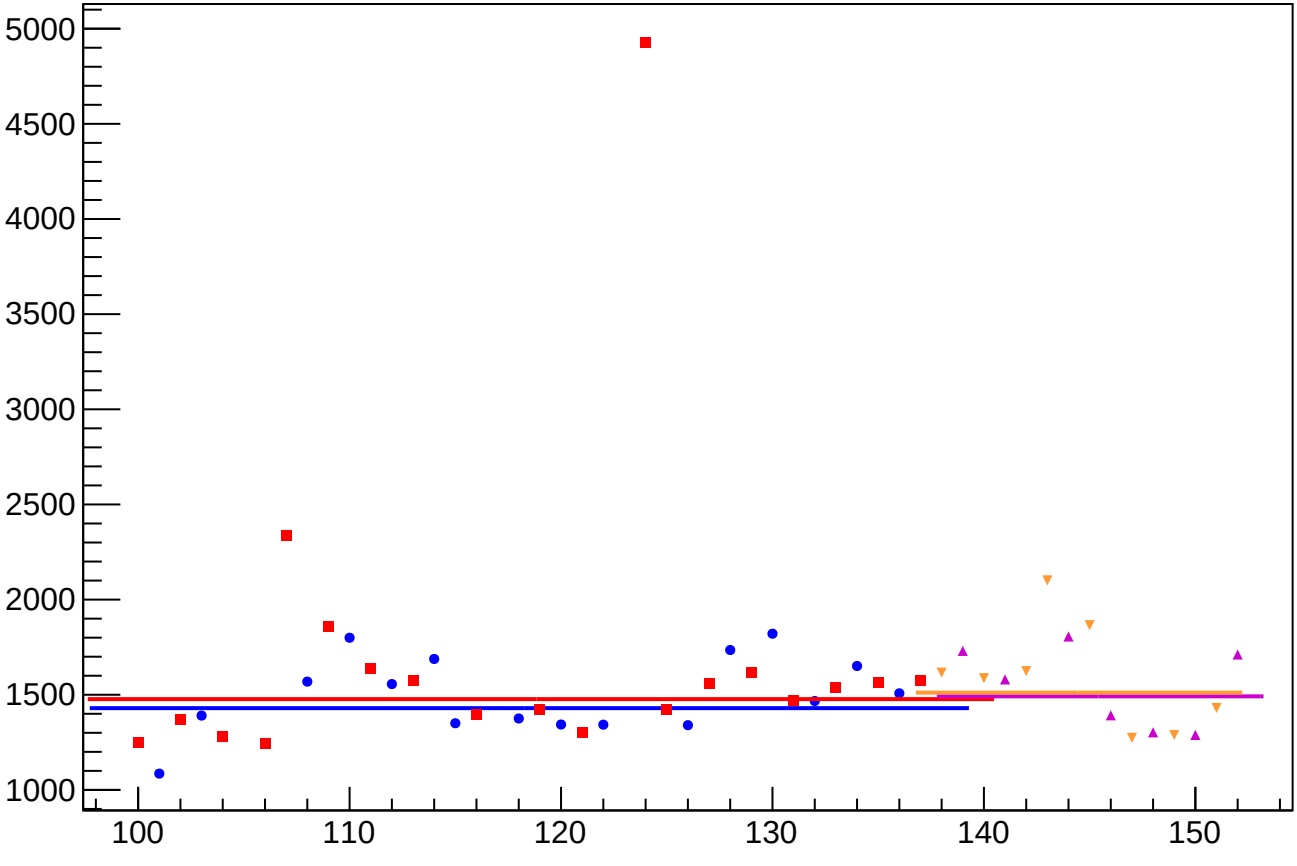
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

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

Out: 1488.326+/-409.161 χ^2/NDF:22.3/26

All: 1851.846+/-287.164 χ^2/NDF: 41.9/49

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: 1491.649+/-0.430 χ^2/NDF:209126.1/6

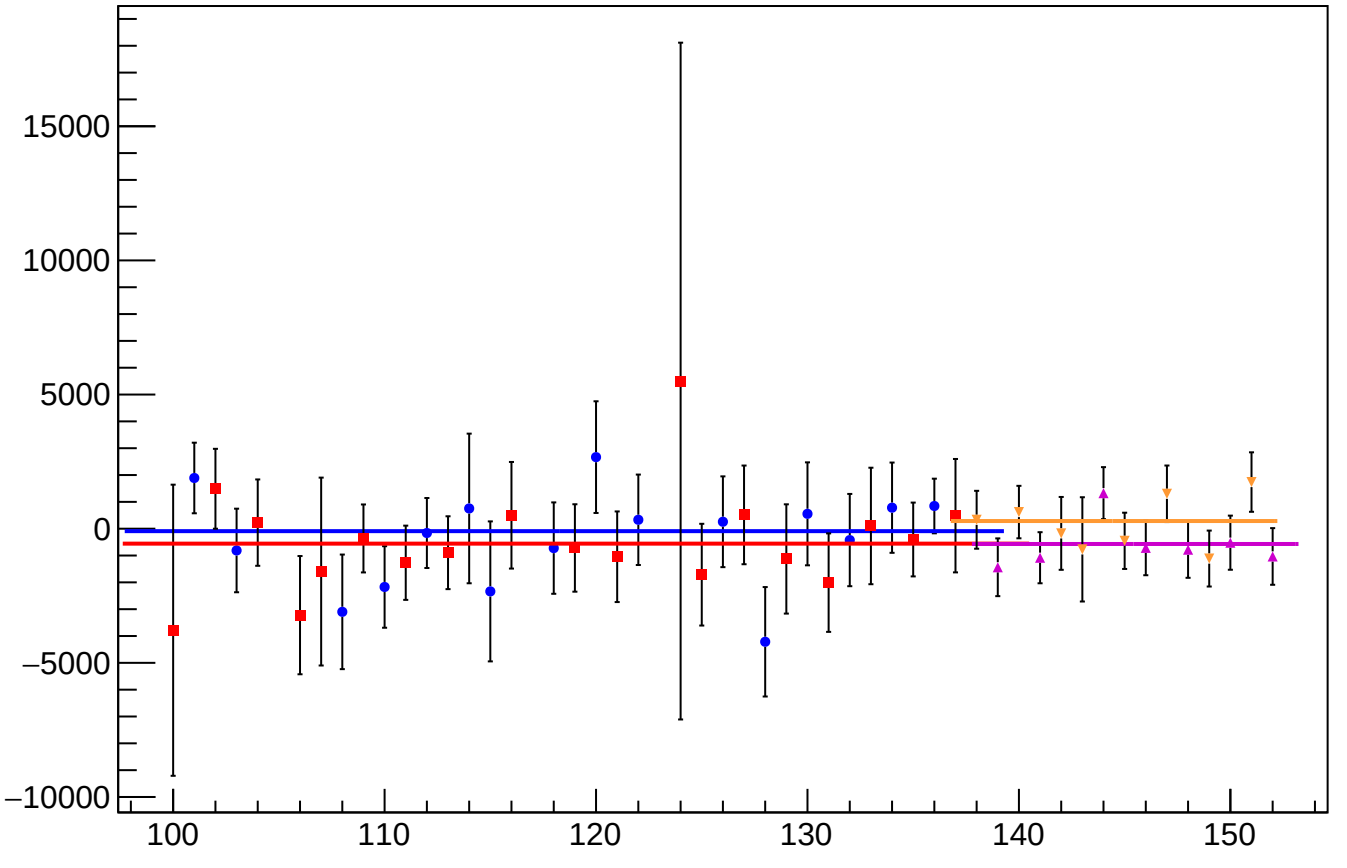
Left: 1501.332+/-0.306 χ^2/NDF: 524310.8/14

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

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

Out: 1492.161+/-0.289 χ^2/NDF:687021.6/26

All: 1474.241+/-0.203 χ^2/NDF: 1208743.5/49



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: -569.586+/-384.060 χ^2/NDF:5.0/6

Left: -159.101+/-276.958 χ^2/NDF: 12.9/14

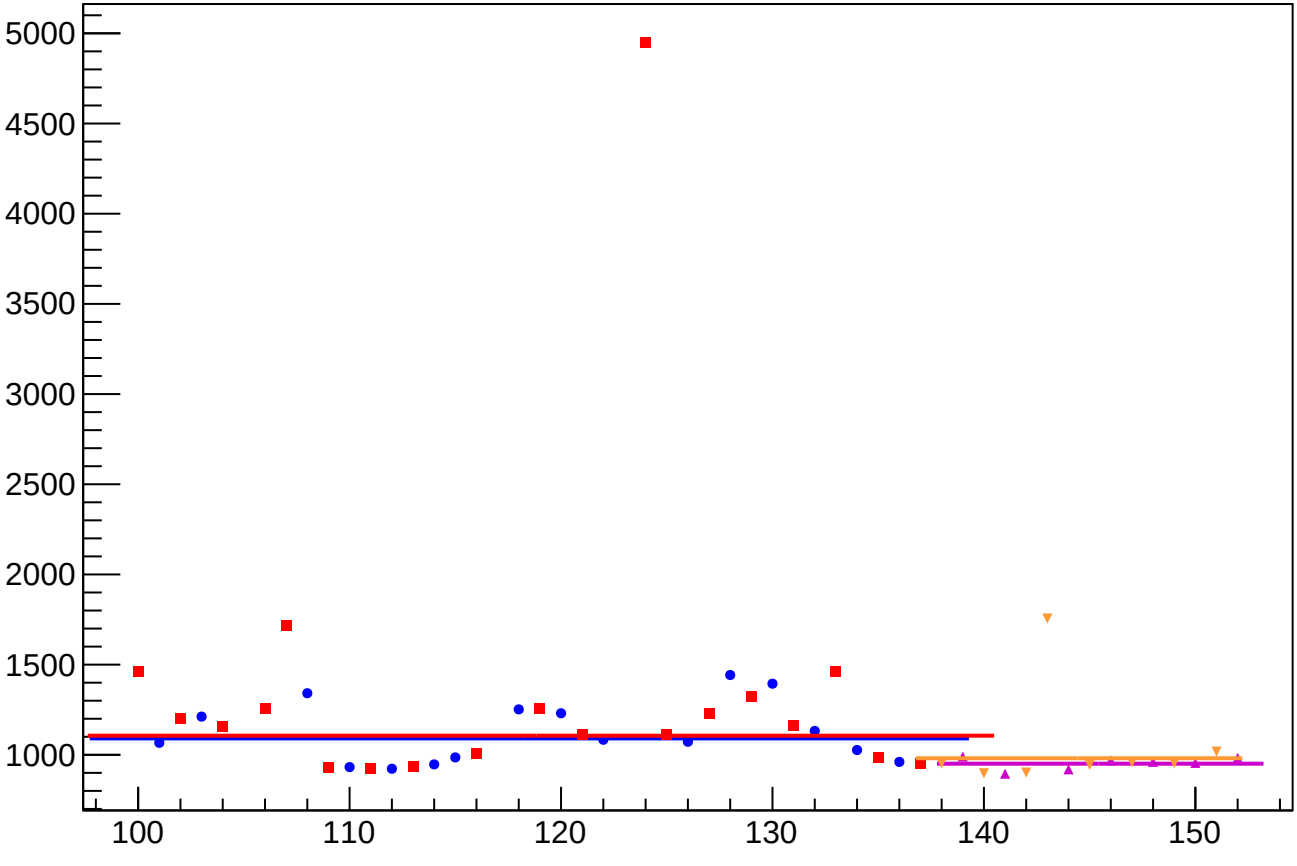
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

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

Out: -123.573+/-286.684 χ^2/NDF:14.4/26

All: -237.313+/-200.414 χ^2/NDF: 35.0/49

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: 950.876+/-0.272 χ^2/NDF:14232.2/6

Left: 965.380+/-0.196 χ^2/NDF: 367705.7/14

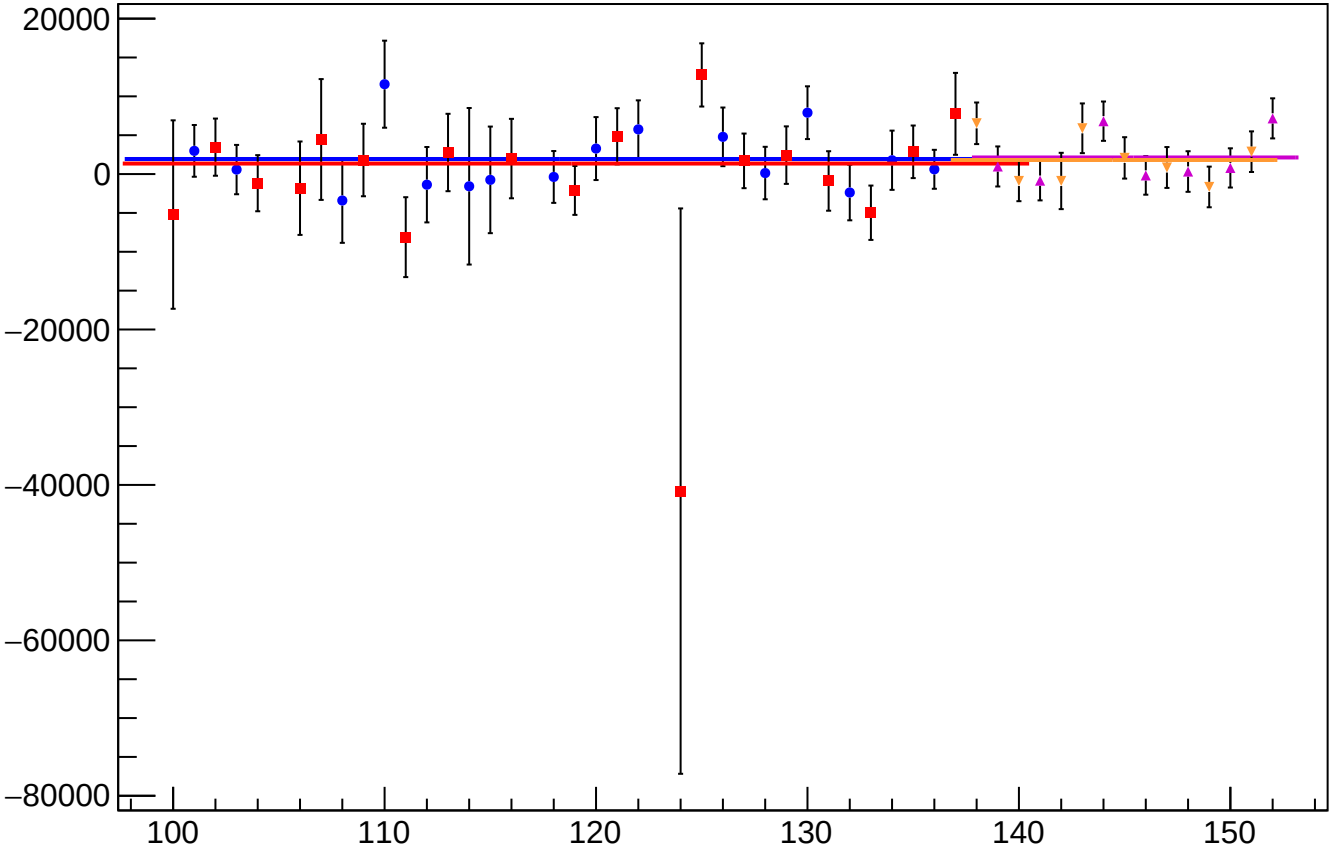
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

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

Out: 1041.787+/-0.203 χ^2/NDF:956532.1/26

All: 1028.803+/-0.142 χ^2/NDF: 1380607.7/49

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: 2134.780+/-963.147 χ^2/NDF:10.4/6

Left: 1976.181+/-687.190 χ^2/NDF: 18.9/14

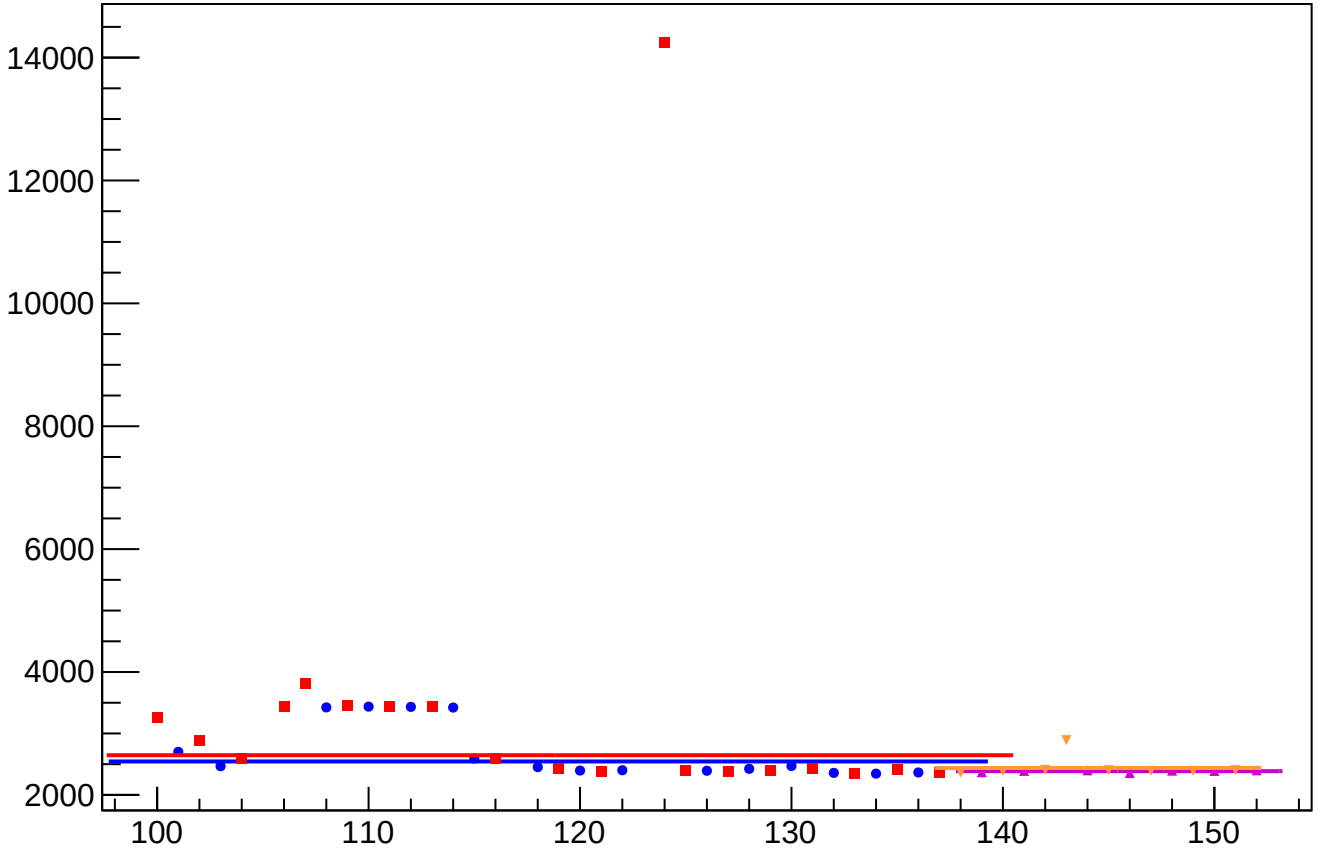
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 2036.137+/-677.265 χ^2/NDF:22.7/22

Out: 1583.595+/-695.038 χ^2/NDF:30.3/26

All: 1815.726+/-485.060 χ^2/NDF: 53.2/49

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: 2386.438+/-0.681 χ^2/NDF:531.2/6

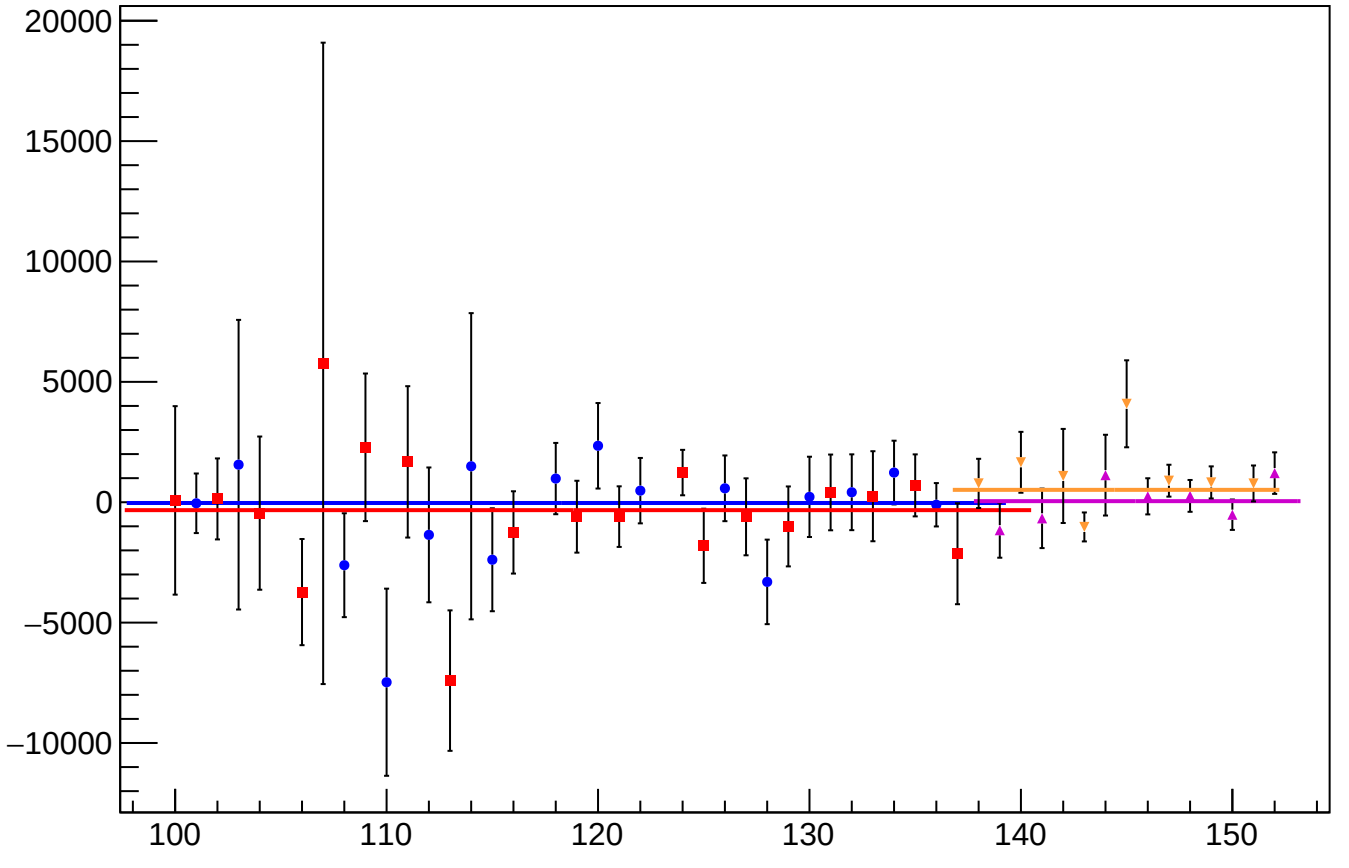
Left: 2411.825+/-0.486 χ^2/NDF: 47773.0/14

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2466.302+/-0.479 χ^2/NDF:253346.6/22

Out: 2541.437+/-0.491 χ^2/NDF:625939.6/26

All: 2502.897+/-0.343 χ^2/NDF: 891275.1/49



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: 45.149+/-321.246 χ^2/NDF:4.7/6

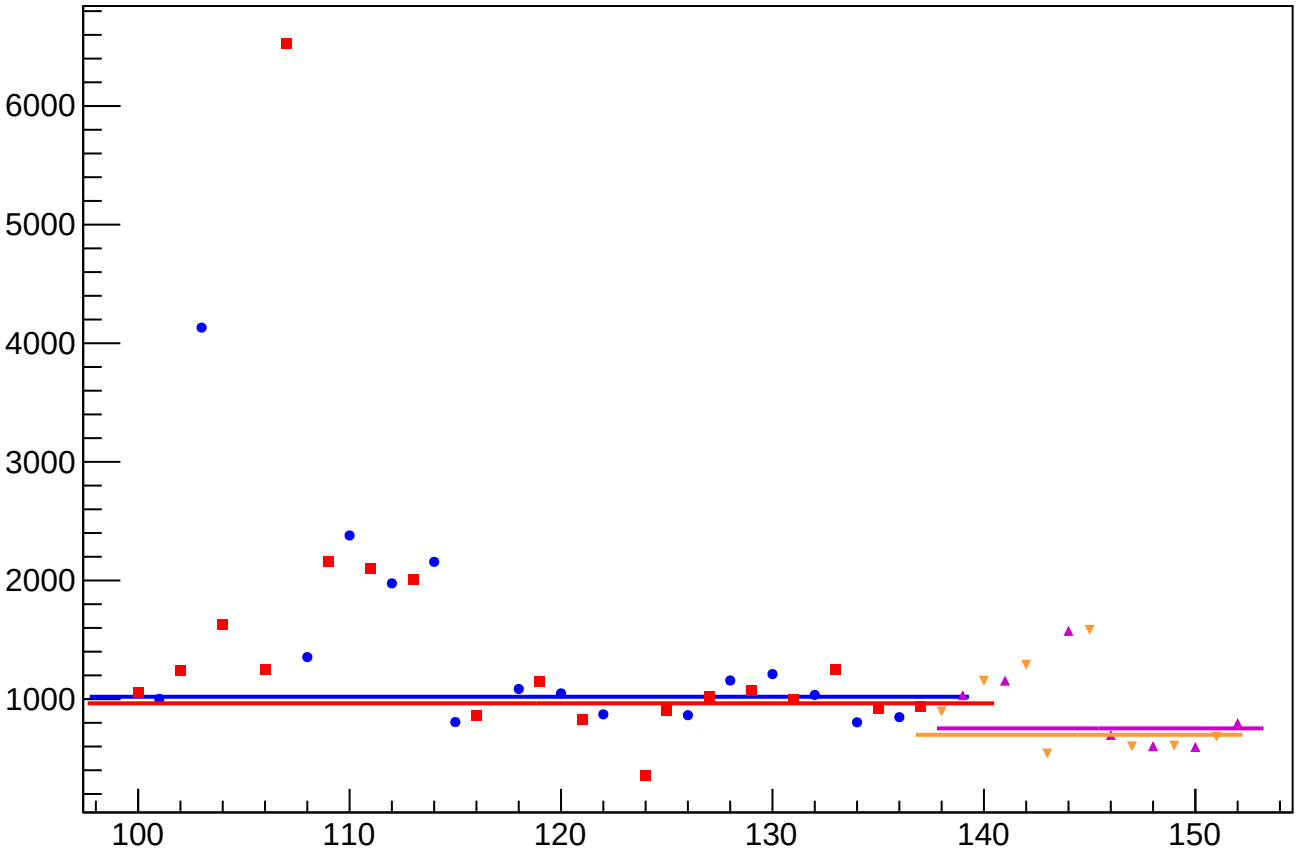
Left: 297.224+/-218.572 χ^2/NDF: 17.9/14

Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: 15.732+/-251.858 χ^2/NDF:18.5/22

Out: 211.909+/-238.793 χ^2/NDF:30.6/26

All: 119.041+/-173.287 χ^2/NDF: 49.4/49



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: 753.022+/-0.227 χ^2/NDF:1054397.9/6

Left: 724.033+/-0.155 χ^2/NDF: 2300487.1/14

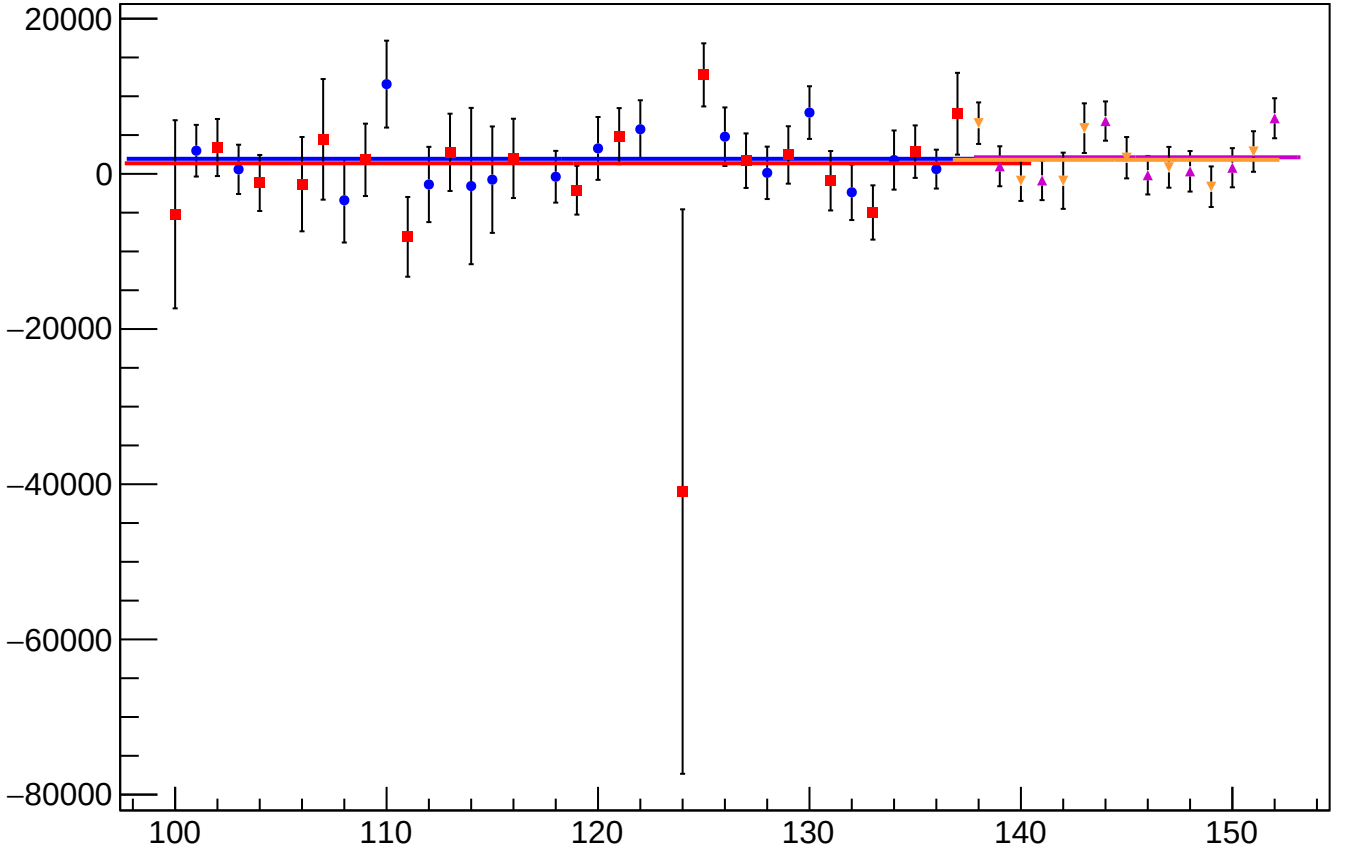
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 855.715+/-0.178 χ^2/NDF:2949534.2/22

Out: 794.289+/-0.169 χ^2/NDF:4093316.1/26

All: 823.368+/-0.123 χ^2/NDF: 7105500.2/49

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: 2134.989+/-963.147 χ^2/NDF:10.4/6

Left: 1976.176+/-687.190 χ^2/NDF: 18.9/14

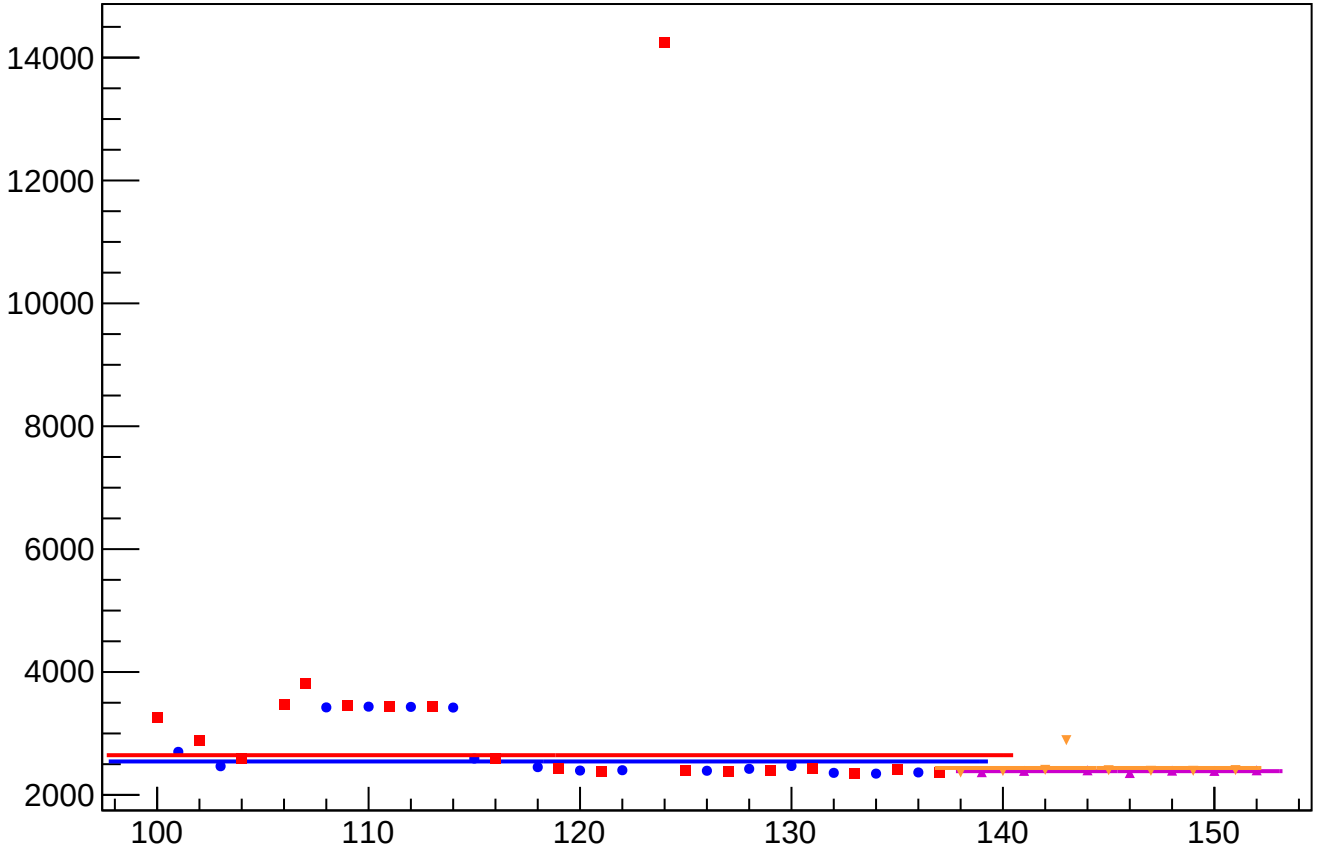
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 2036.417+/-677.265 χ^2/NDF:22.7/22

Out: 1588.359+/-695.144 χ^2/NDF:30.2/26

All: 1818.224+/-485.096 χ^2/NDF: 53.1/49

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: 2386.438+/-0.681 χ^2/NDF:531.2/6

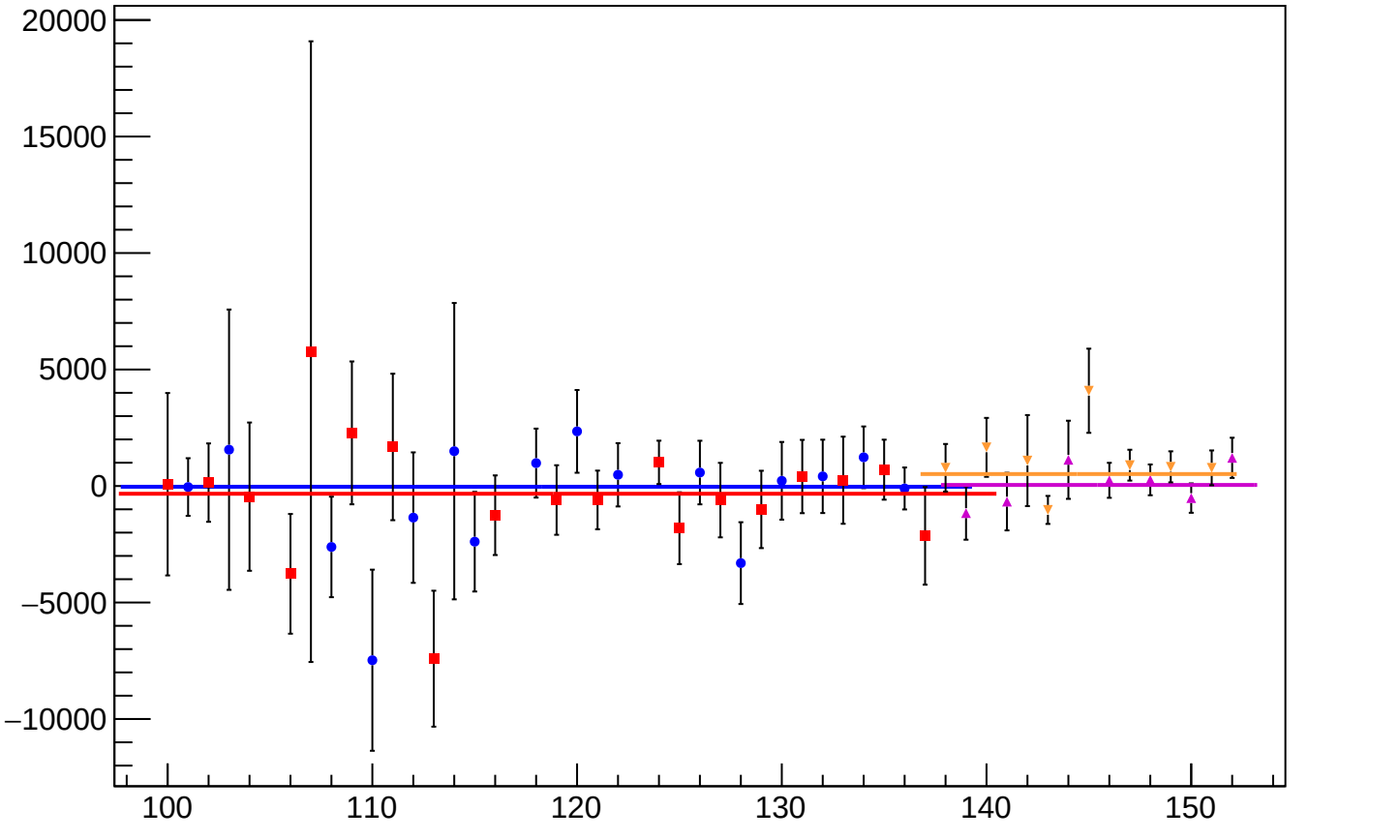
Left: 2411.825+/-0.486 χ^2/NDF: 47773.0/14

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2466.302+/-0.479 χ^2/NDF:253346.6/22

Out: 2541.683+/-0.492 χ^2/NDF:628746.7/26

All: 2503.010+/-0.343 χ^2/NDF: 894158.7/49



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: 45.261+/-321.243 χ^2/NDF:4.7/6

Left: 297.215+/-218.572 χ^2/NDF: 17.9/14

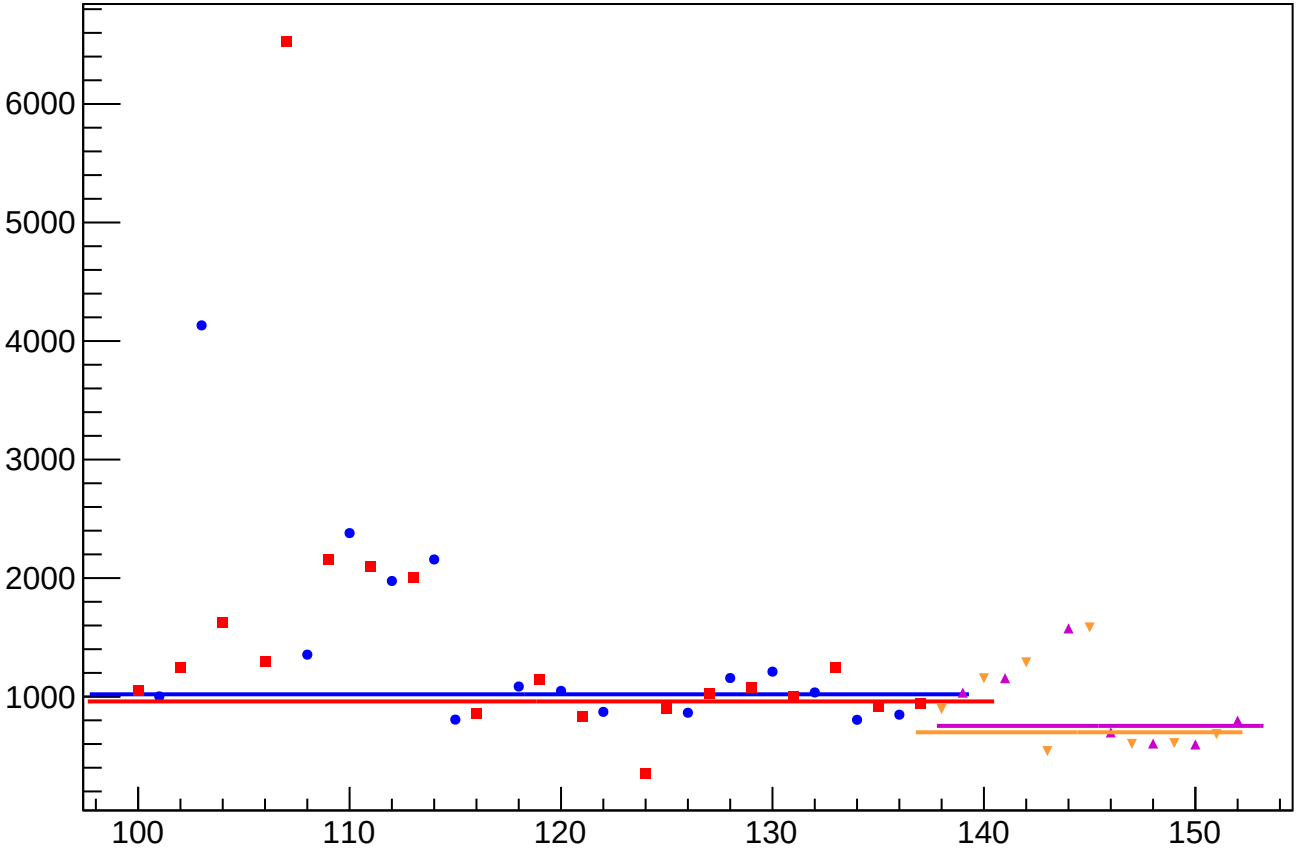
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 15.777+/-251.855 χ^2/NDF:18.5/22

Out: 211.334+/-238.960 χ^2/NDF:29.4/26

All: 118.690+/-173.350 χ^2/NDF: 48.2/49

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: 753.013+/-0.227 χ^2/NDF:1054443.0/6

Left: 724.036+/-0.155 χ^2/NDF: 2300451.2/14

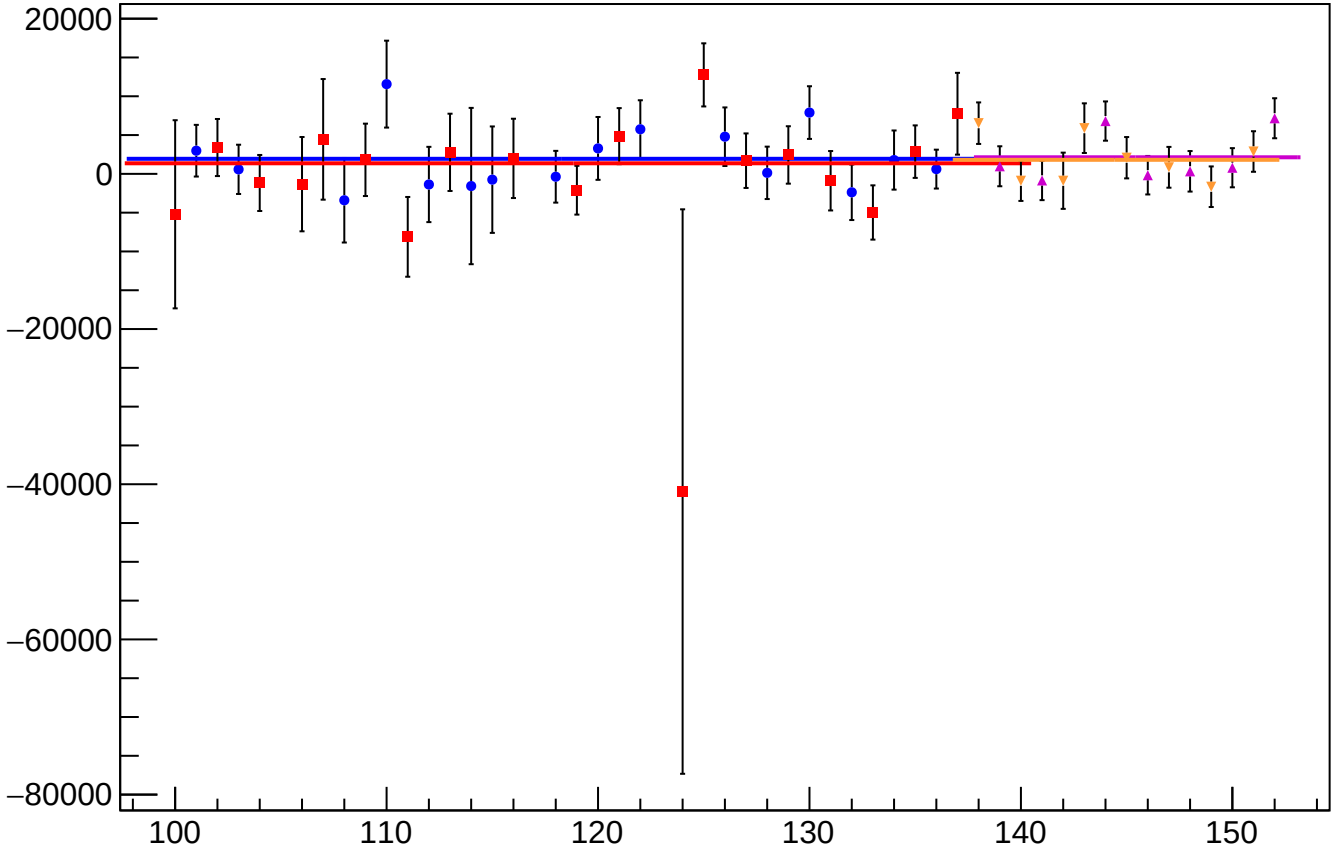
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 855.706+/-0.178 χ^2/NDF:2949585.4/22

Out: 792.261+/-0.169 χ^2/NDF:4105575.9/26

All: 822.317+/-0.123 χ^2/NDF: 7121953.9/49

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: 2134.989+/-963.147 χ^2/NDF:10.4/6

Left: 1976.176+/-687.190 χ^2/NDF: 18.9/14

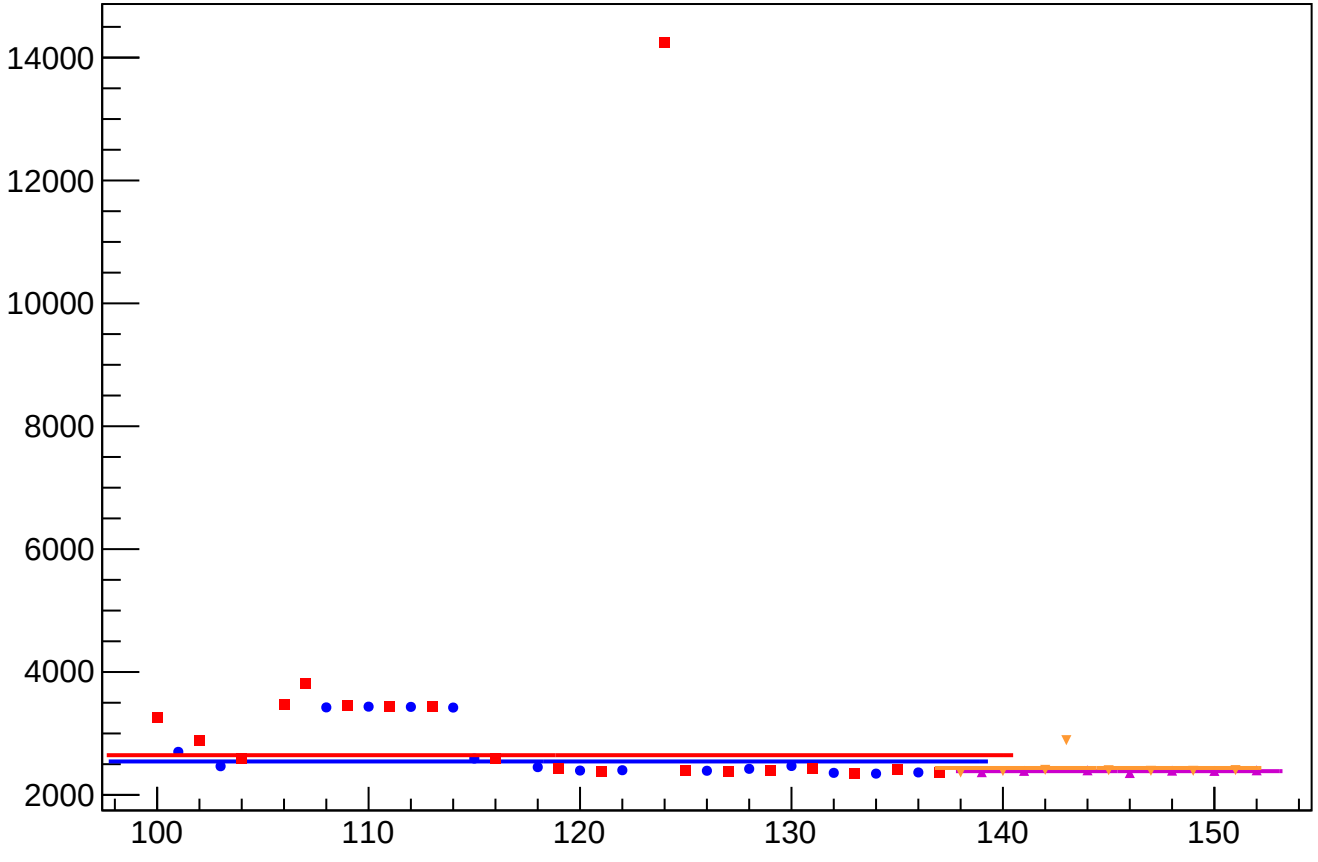
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 2036.417+/-677.265 χ^2/NDF:22.7/22

Out: 1588.359+/-695.144 χ^2/NDF:30.2/26

All: 1818.224+/-485.096 χ^2/NDF: 53.1/49

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: 2386.438+/-0.681 χ^2/NDF:531.2/6

Left: 2411.825+/-0.486 χ^2/NDF: 47773.0/14

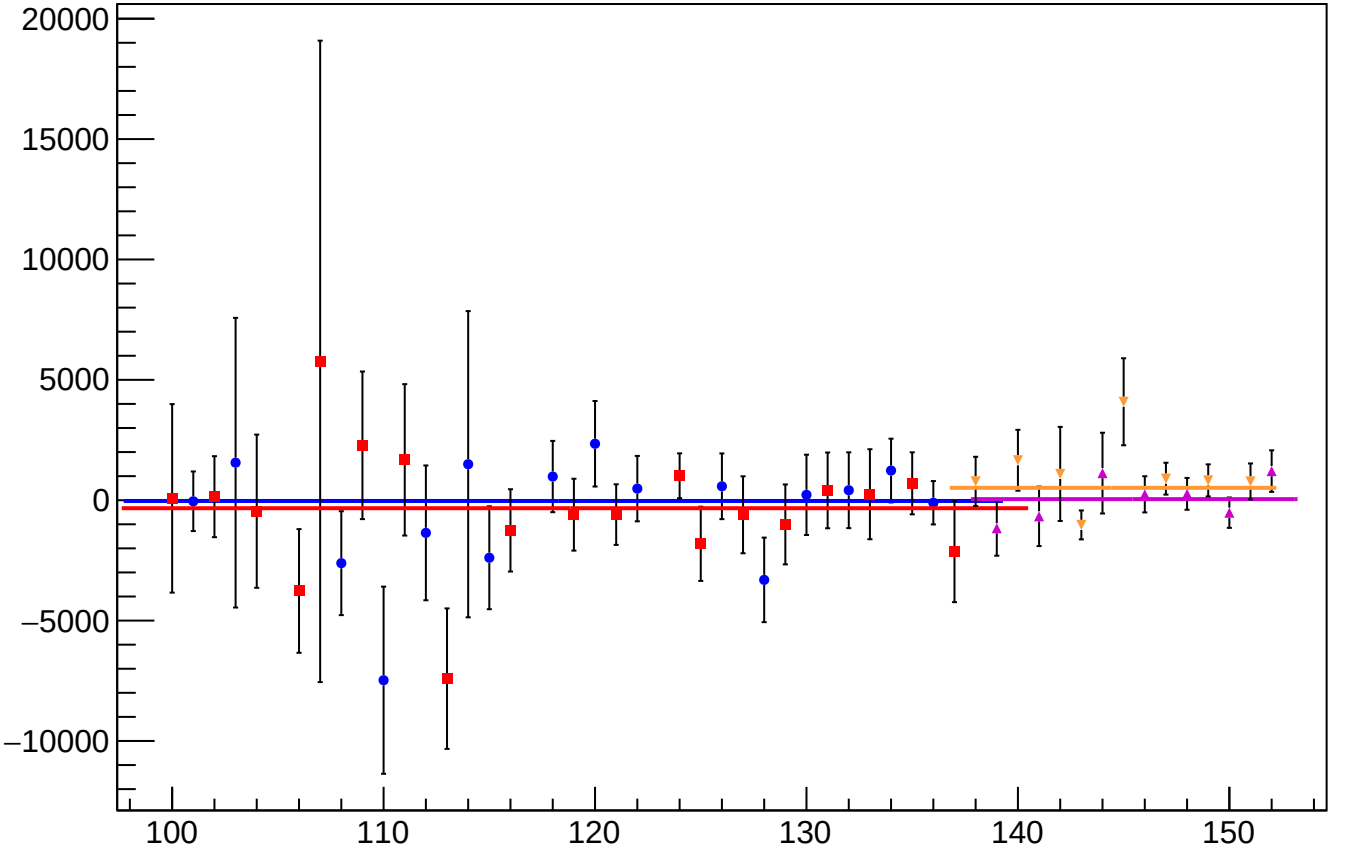
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2466.302+/-0.479 χ^2/NDF:253346.6/22

Out: 2541.683+/-0.492 χ^2/NDF:628746.7/26

All: 2503.010+/-0.343 χ^2/NDF: 894158.7/49

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: 45.261+/-321.243 χ^2/NDF:4.7/6

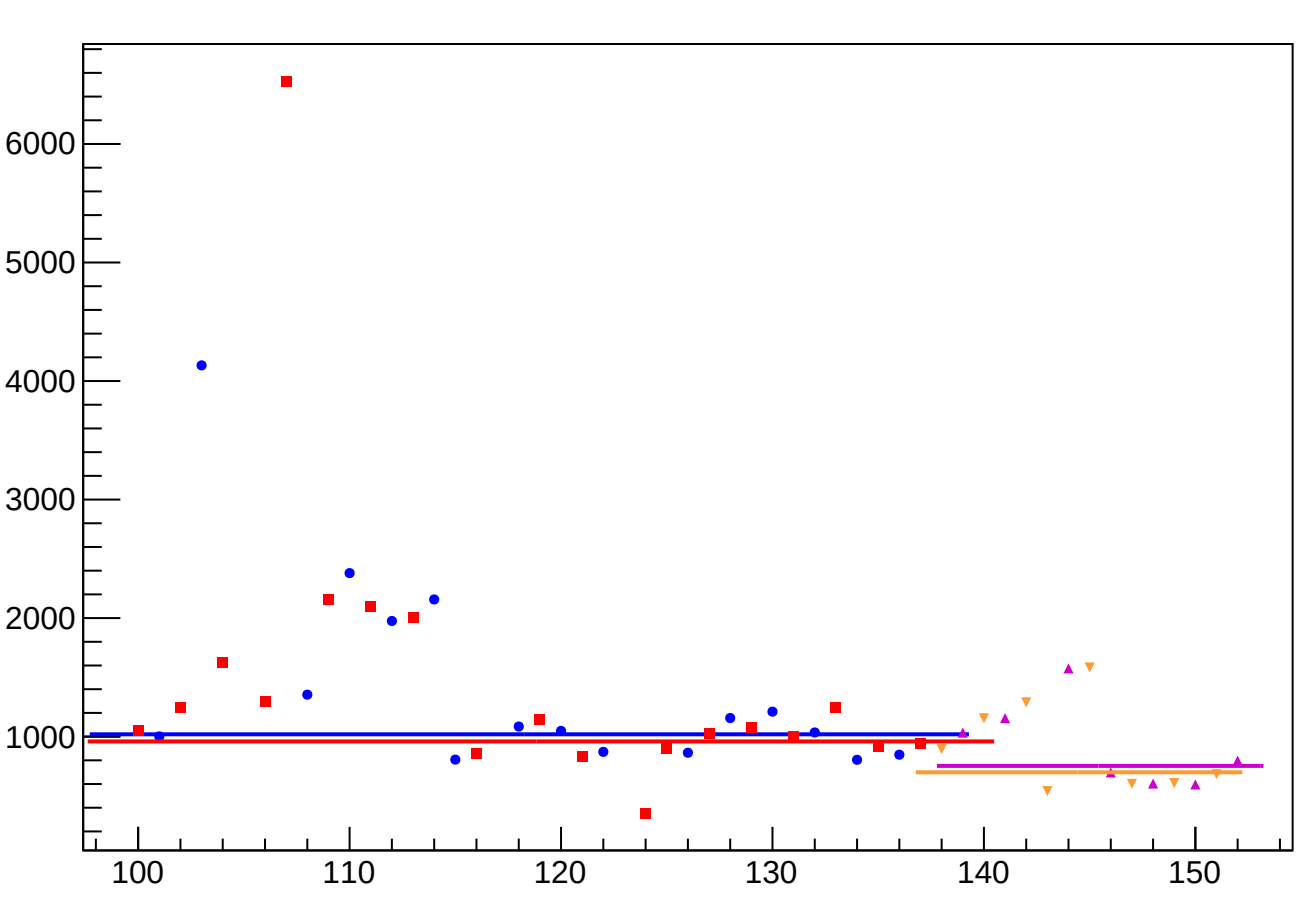
Left: 297.215+/-218.572 χ^2/NDF: 17.9/14

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 15.777+/-251.855 χ^2/NDF:18.5/22

Out: 211.334+/-238.960 χ^2/NDF:29.4/26

All: 118.690+/-173.350 χ^2/NDF: 48.2/49



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: 753.013+/-0.227 χ^2/NDF:1054443.0/6

Left: 724.036+/-0.155 χ^2/NDF: 2300451.2/14

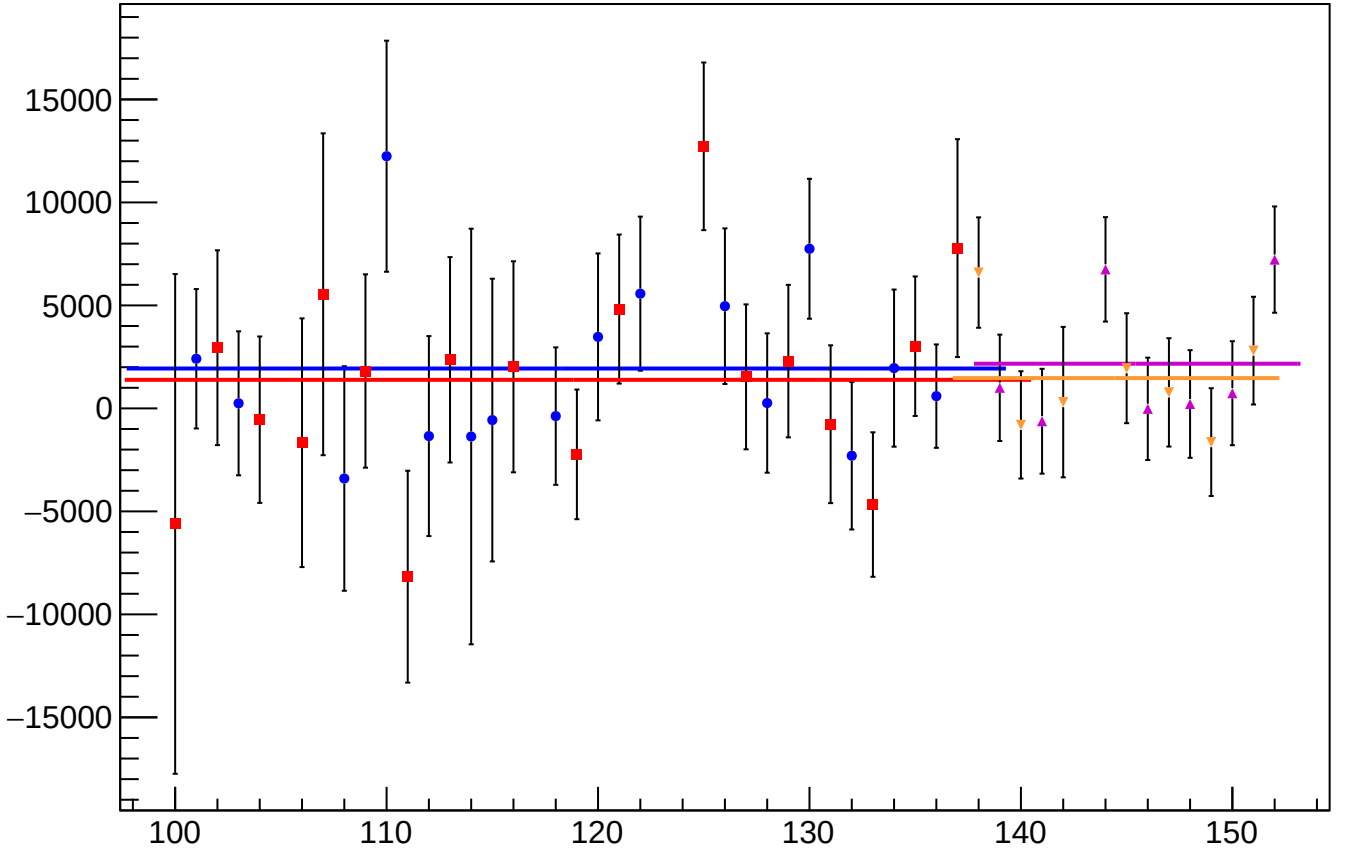
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 855.706+/-0.178 χ^2/NDF:2949585.4/22

Out: 792.261+/-0.169 χ^2/NDF:4105575.9/26

All: 822.317+/-0.123 χ^2/NDF: 7121953.9/49

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: 2169.052+/-964.172 χ^2/NDF:10.2/6

Left: 1843.475+/-704.549 χ^2/NDF: 16.7/13

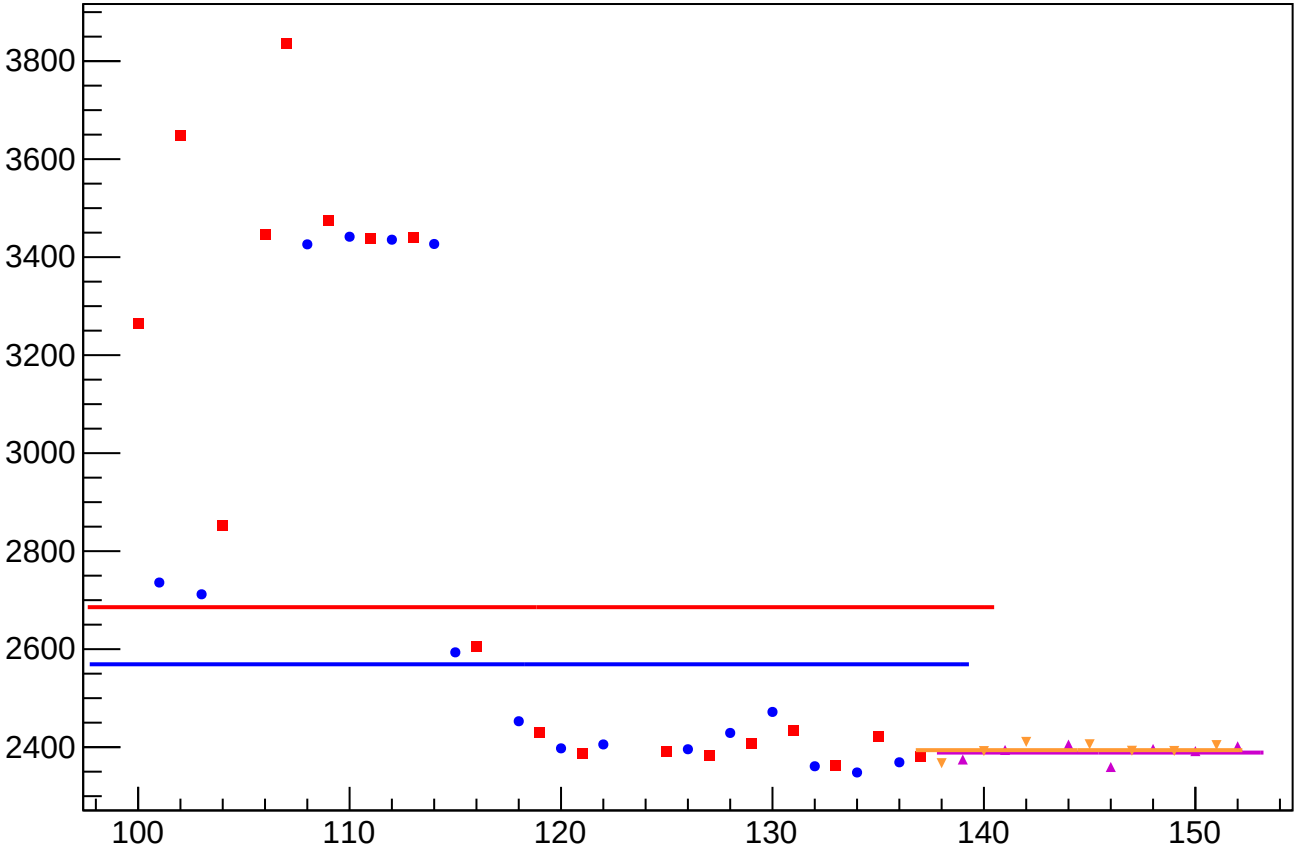
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 2052.298+/-681.118 χ^2/NDF:22.6/22

Out: 1428.062+/-721.521 χ^2/NDF:26.1/24

All: 1758.147+/-495.291 χ^2/NDF: 49.0/47

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: 2388.958+/-0.682 χ^2/NDF:500.3/6

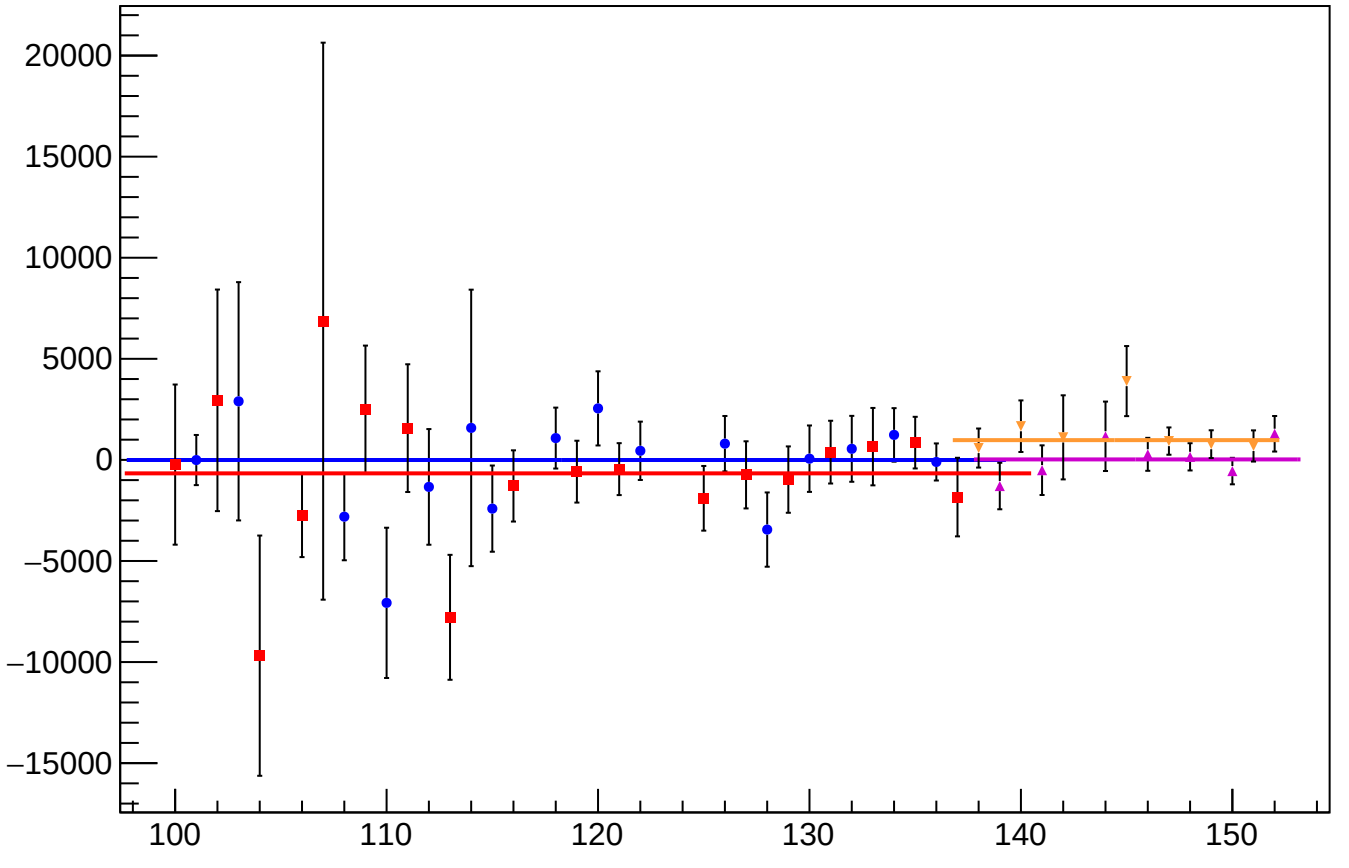
Left: 2391.262+/-0.498 χ^2/NDF: 838.3/13

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2479.217+/-0.482 χ^2/NDF:264974.3/22

Out: 2543.069+/-0.510 χ^2/NDF:501300.0/24

All: 2509.305+/-0.350 χ^2/NDF: 774556.6/47



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: 23.656+/-331.729 χ^2/NDF:4.9/6

Left: 477.344+/-240.207 χ^2/NDF: 12.4/13

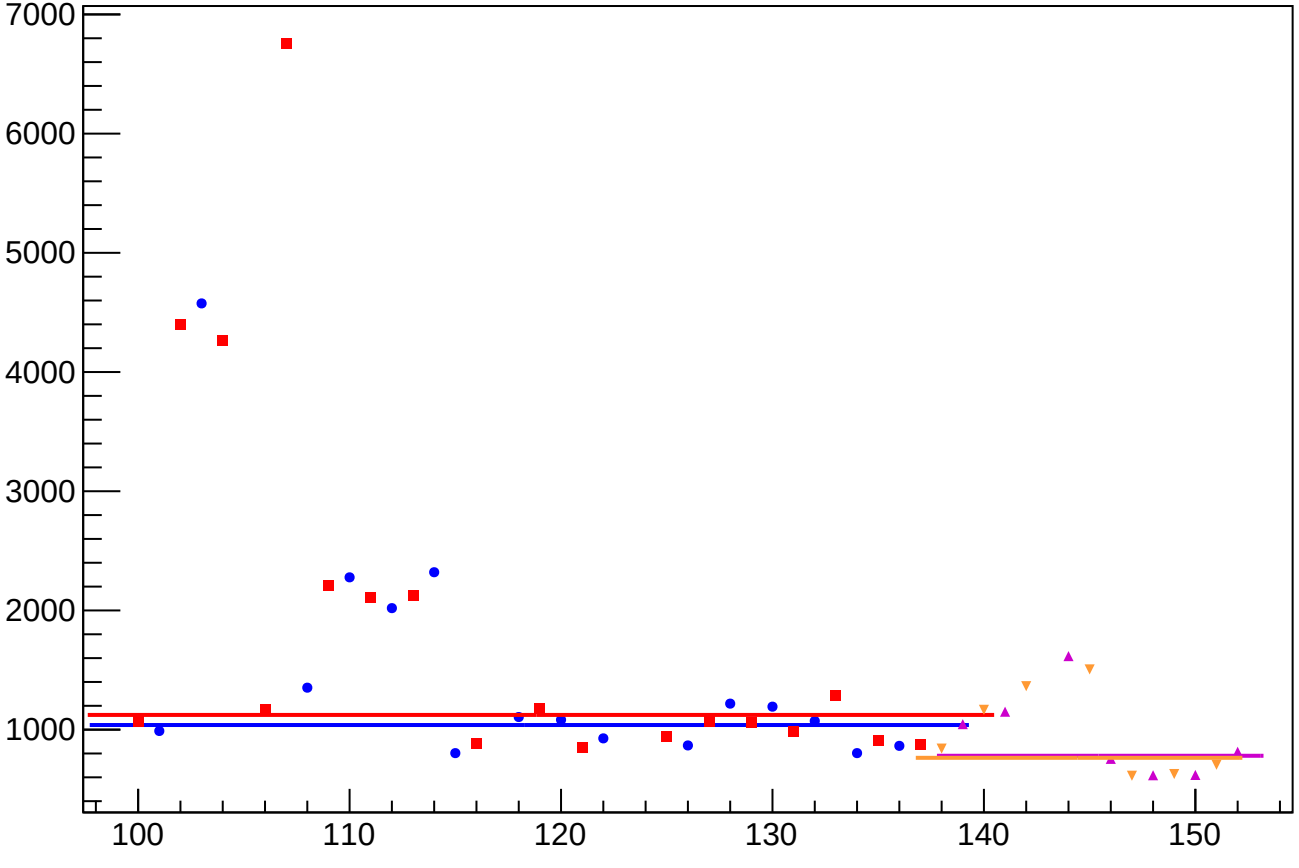
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: 12.327+/-258.446 χ^2/NDF:19.4/22

Out: 379.477+/-277.784 χ^2/NDF:26.0/24

All: 182.678+/-189.216 χ^2/NDF: 46.4/47

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: 780.857+/-0.235 χ^2/NDF:1004908.9/6

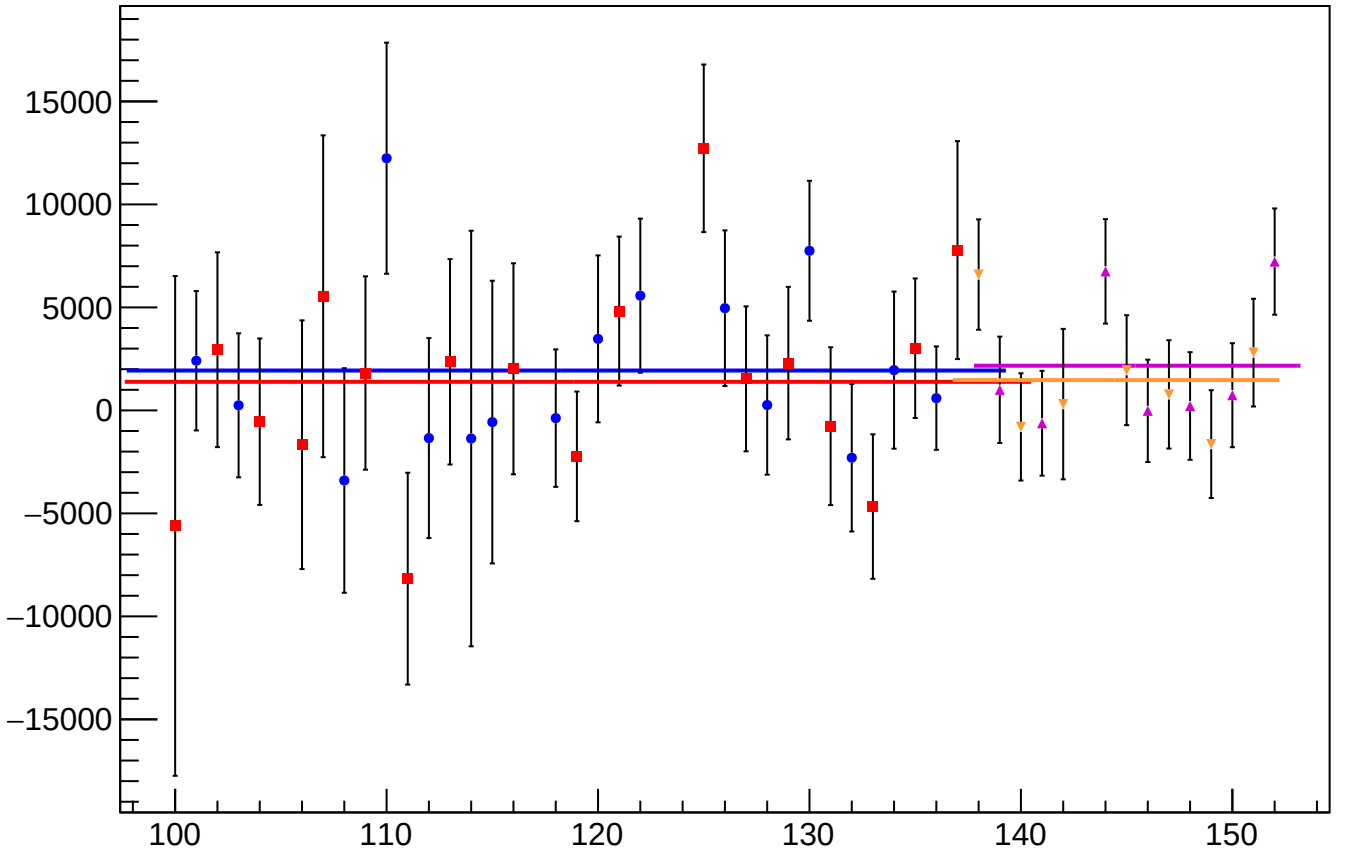
Left: 772.678+/-0.170 χ^2/NDF: 1941767.5/13

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 882.236+/-0.183 χ^2/NDF:3019909.9/22

Out: 894.583+/-0.196 χ^2/NDF:4246512.7/24

All: 887.965+/-0.134 χ^2/NDF: 7268540.3/47



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: 2169.051+/-964.172 χ^2/NDF:10.2/6

Left: 1843.475+/-704.549 χ^2/NDF: 16.7/13

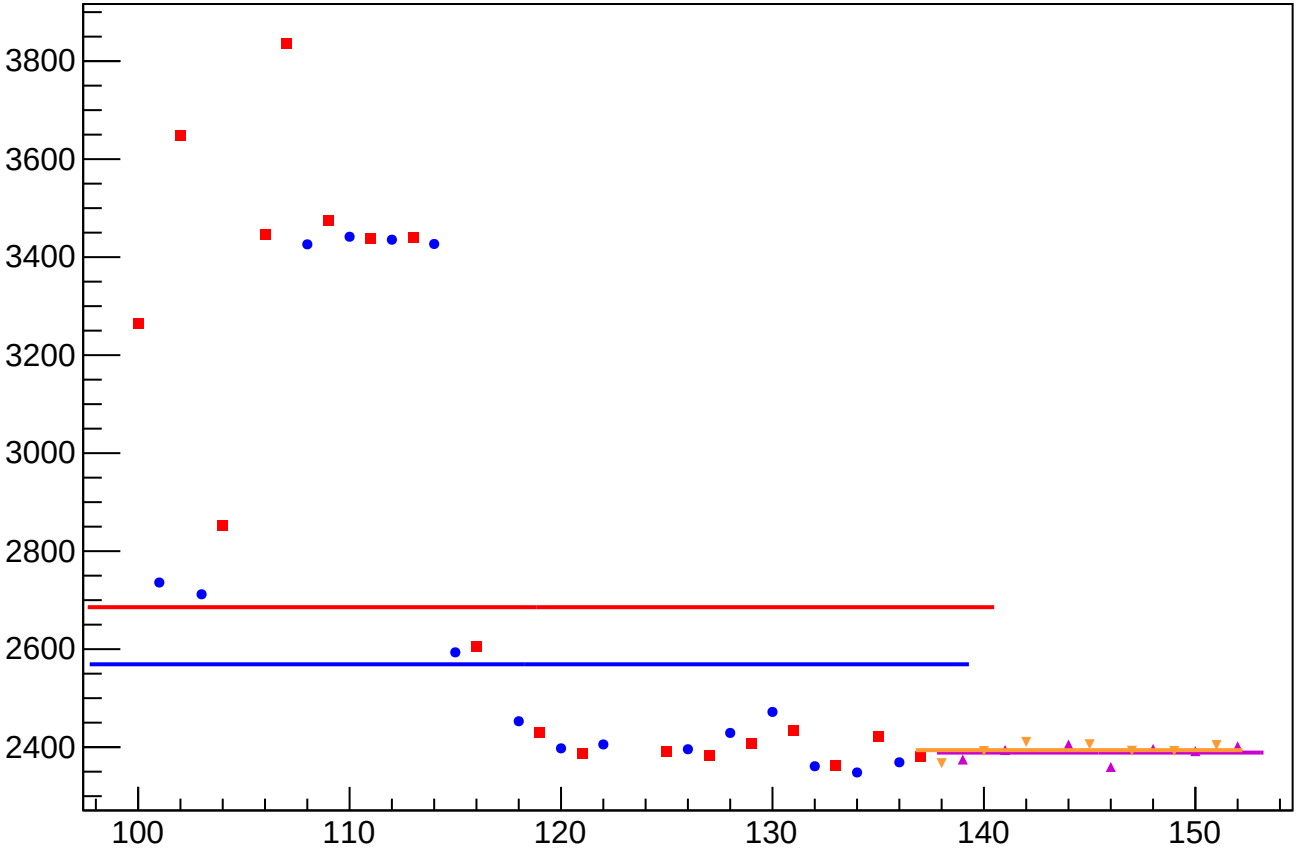
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 2052.296+/-681.118 χ^2/NDF:22.6/22

Out: 1428.062+/-721.521 χ^2/NDF:26.1/24

All: 1758.146+/-495.291 χ^2/NDF: 49.0/47

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: 2388.958+/-0.682 χ^2/NDF:500.3/6

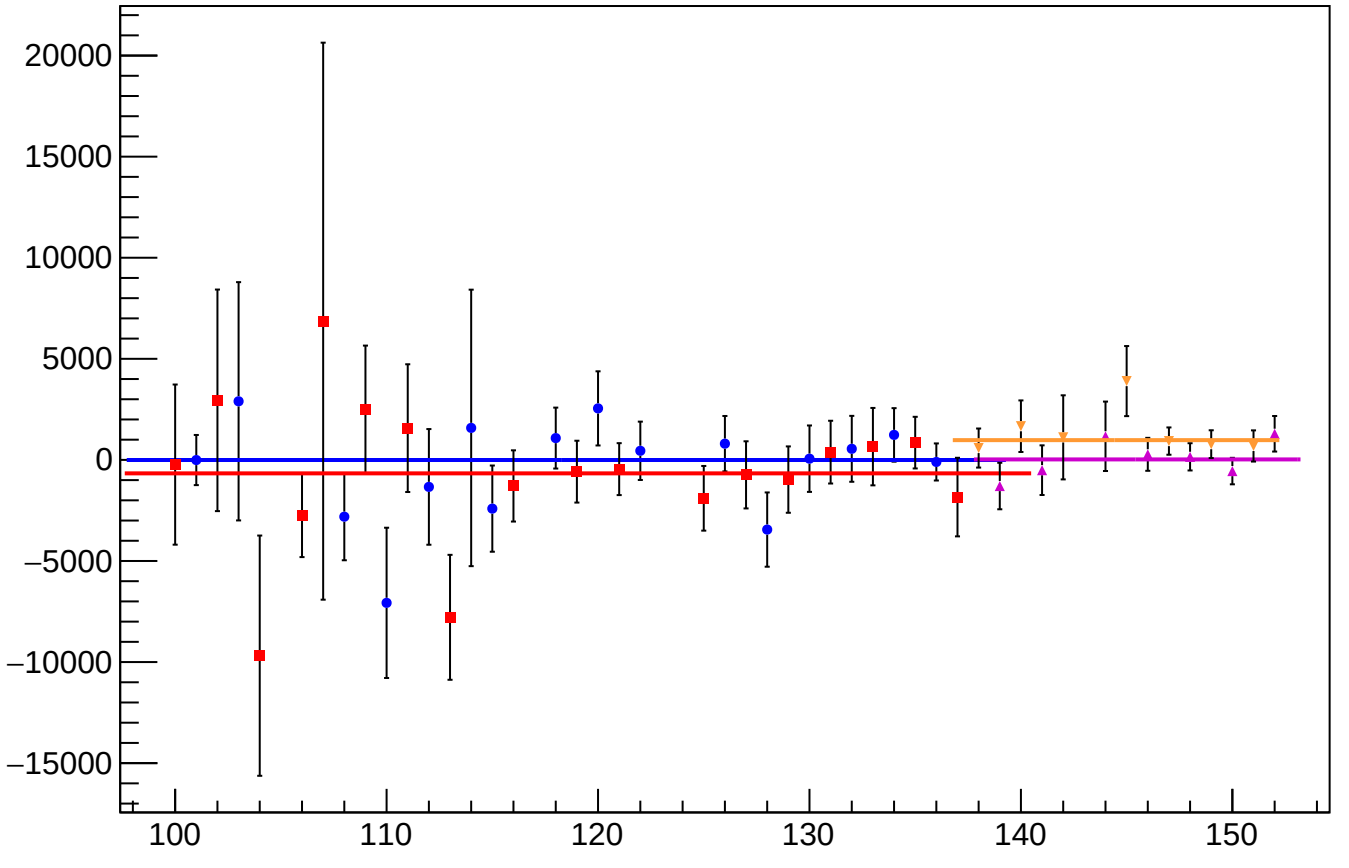
Left: 2391.262+/-0.498 χ^2/NDF: 838.3/13

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2479.217+/-0.482 χ^2/NDF:264973.9/22

Out: 2543.068+/-0.510 χ^2/NDF:501299.2/24

All: 2509.305+/-0.350 χ^2/NDF: 774555.4/47



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: 23.656+/-331.730 χ^2/NDF:4.9/6

Left: 477.345+/-240.207 χ^2/NDF: 12.4/13

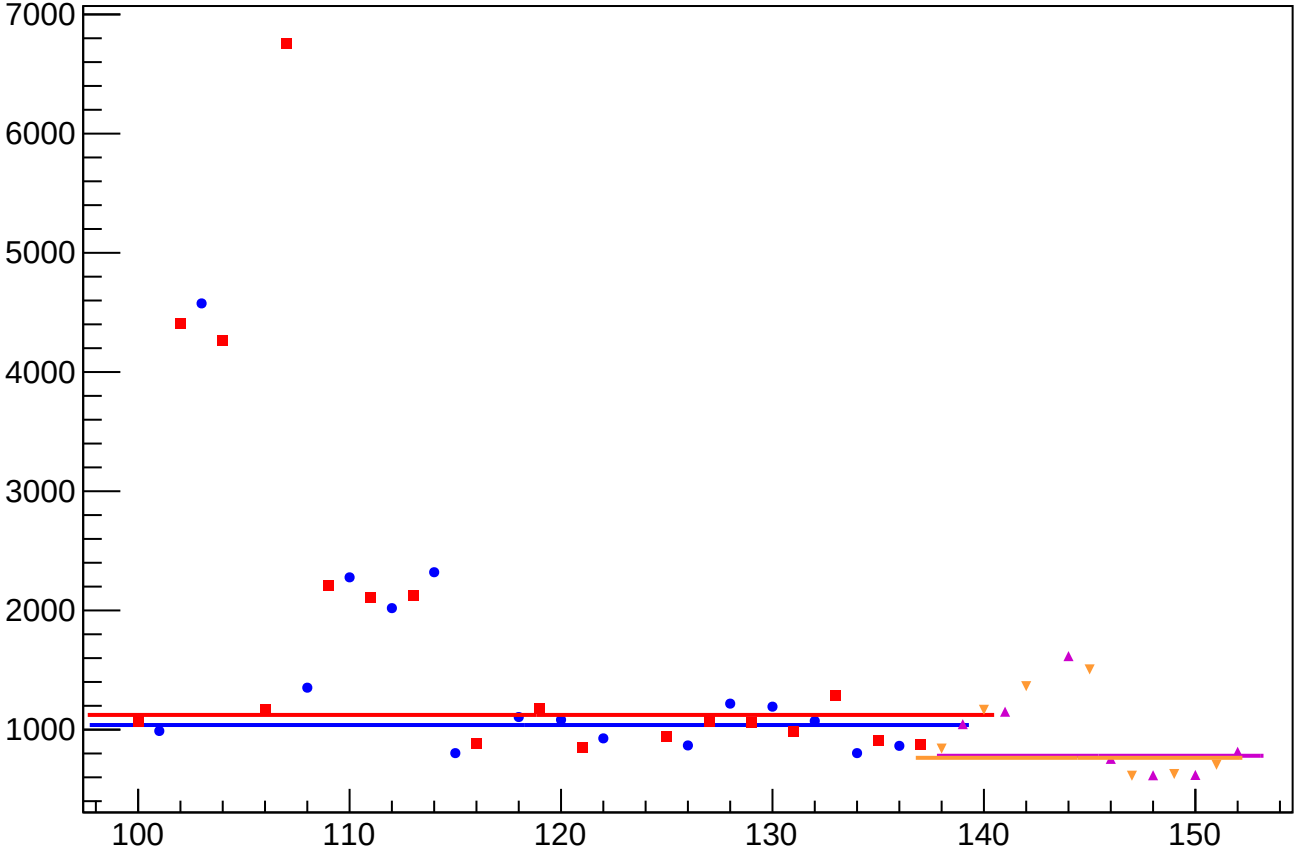
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: 12.326+/-258.446 χ^2/NDF:19.4/22

Out: 379.476+/-277.784 χ^2/NDF:26.0/24

All: 182.677+/-189.216 χ^2/NDF: 46.4/47

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 780.858+/-0.235 χ^2/NDF:1004906.3/6

Left: 772.679+/-0.170 χ^2/NDF: 1941762.3/13

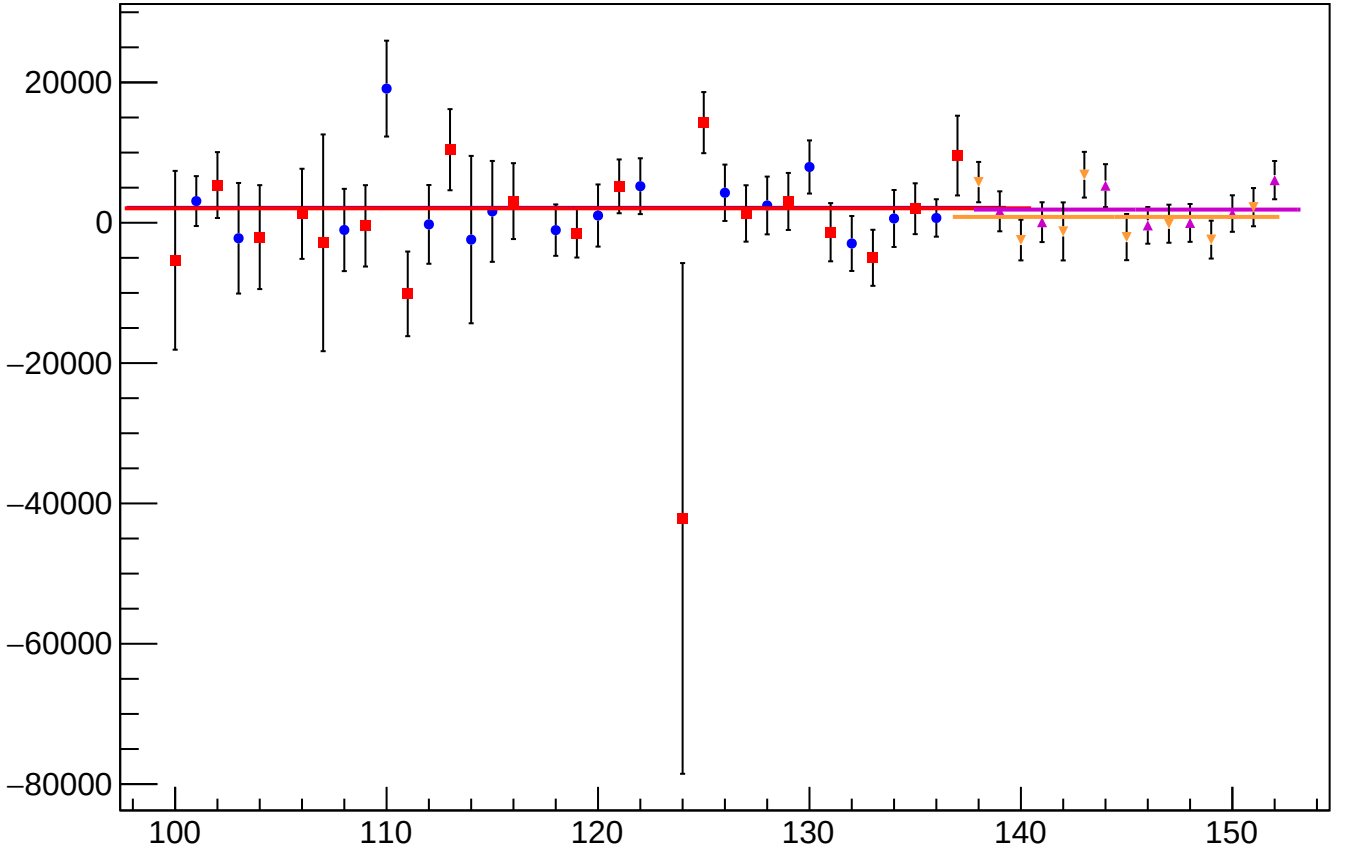
Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 882.238+/-0.183 χ^2/NDF:3019898.0/22

Out: 894.584+/-0.196 χ^2/NDF:4246502.7/24

All: 887.966+/-0.134 χ^2/NDF: 7268518.3/47

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: 1878.064+/-1042.274 χ^2/NDF:5.3/6

Left: 1364.110+/-742.667 χ^2/NDF: 16.3/14

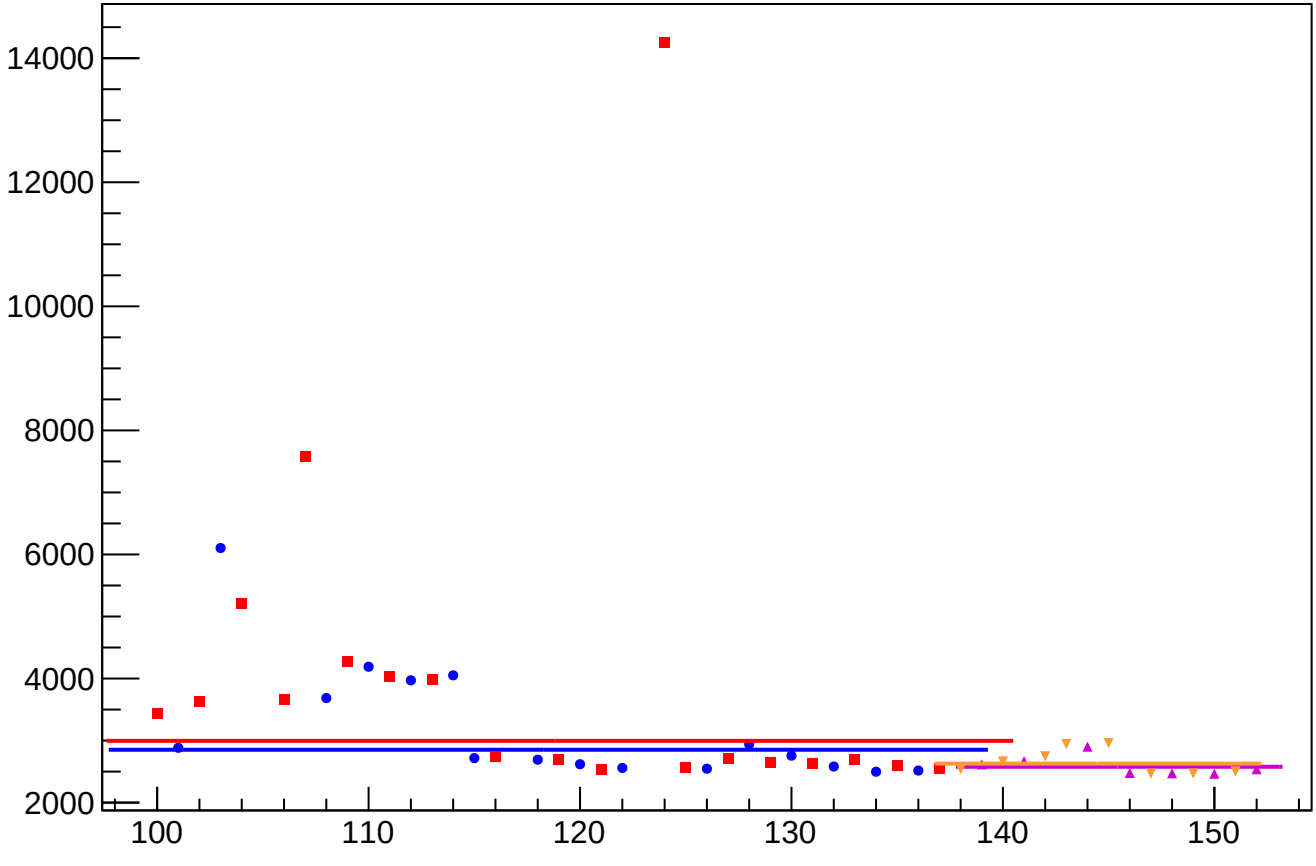
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1995.164+/-751.550 χ^2/NDF:18.7/22

Out: 1403.220+/-774.675 χ^2/NDF:35.4/26

All: 1708.159+/-539.416 χ^2/NDF: 54.4/49

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: 2577.855+/-0.737 χ^2/NDF:34951.6/6

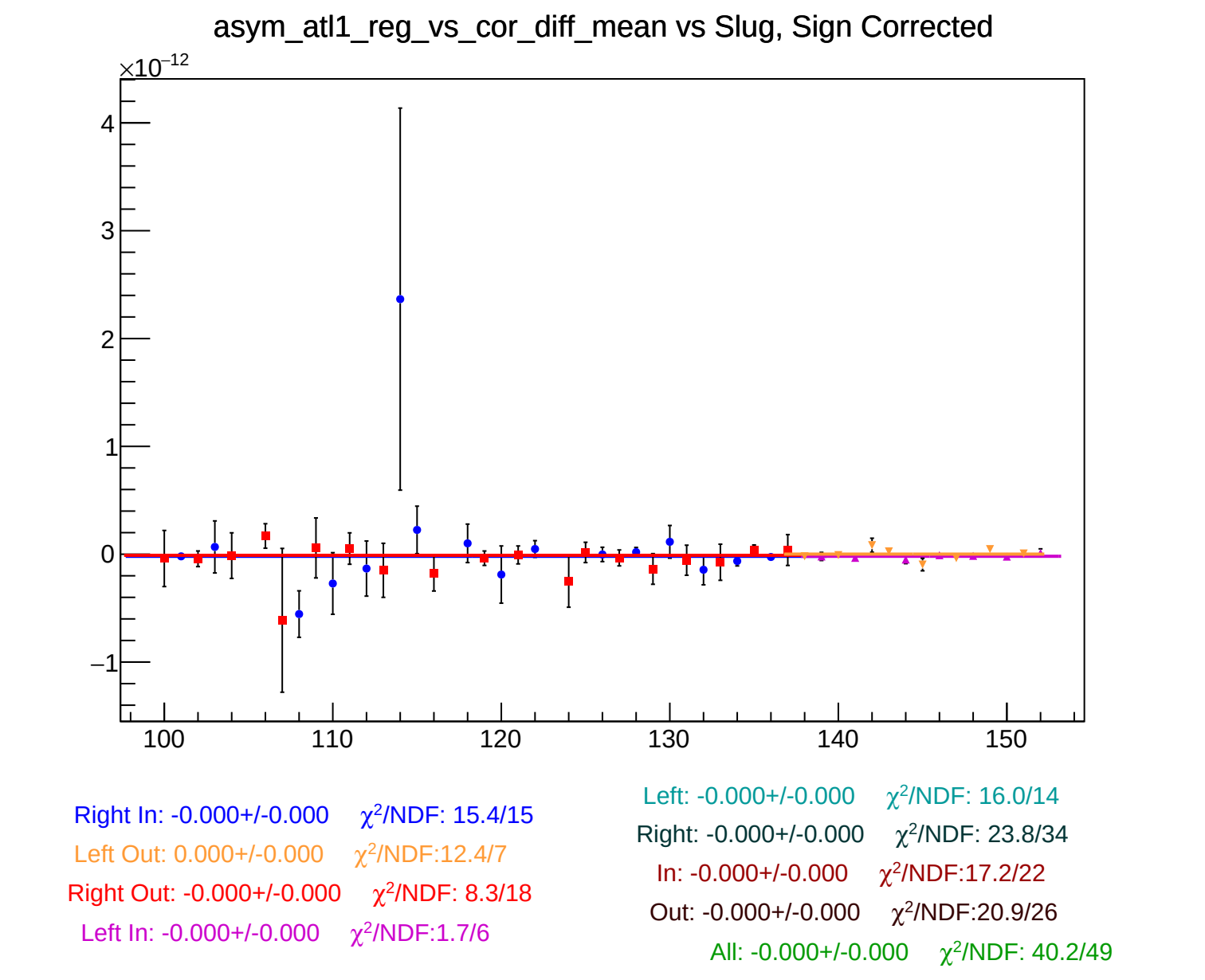
Left: 2602.758+/-0.525 χ^2/NDF: 98240.5/14

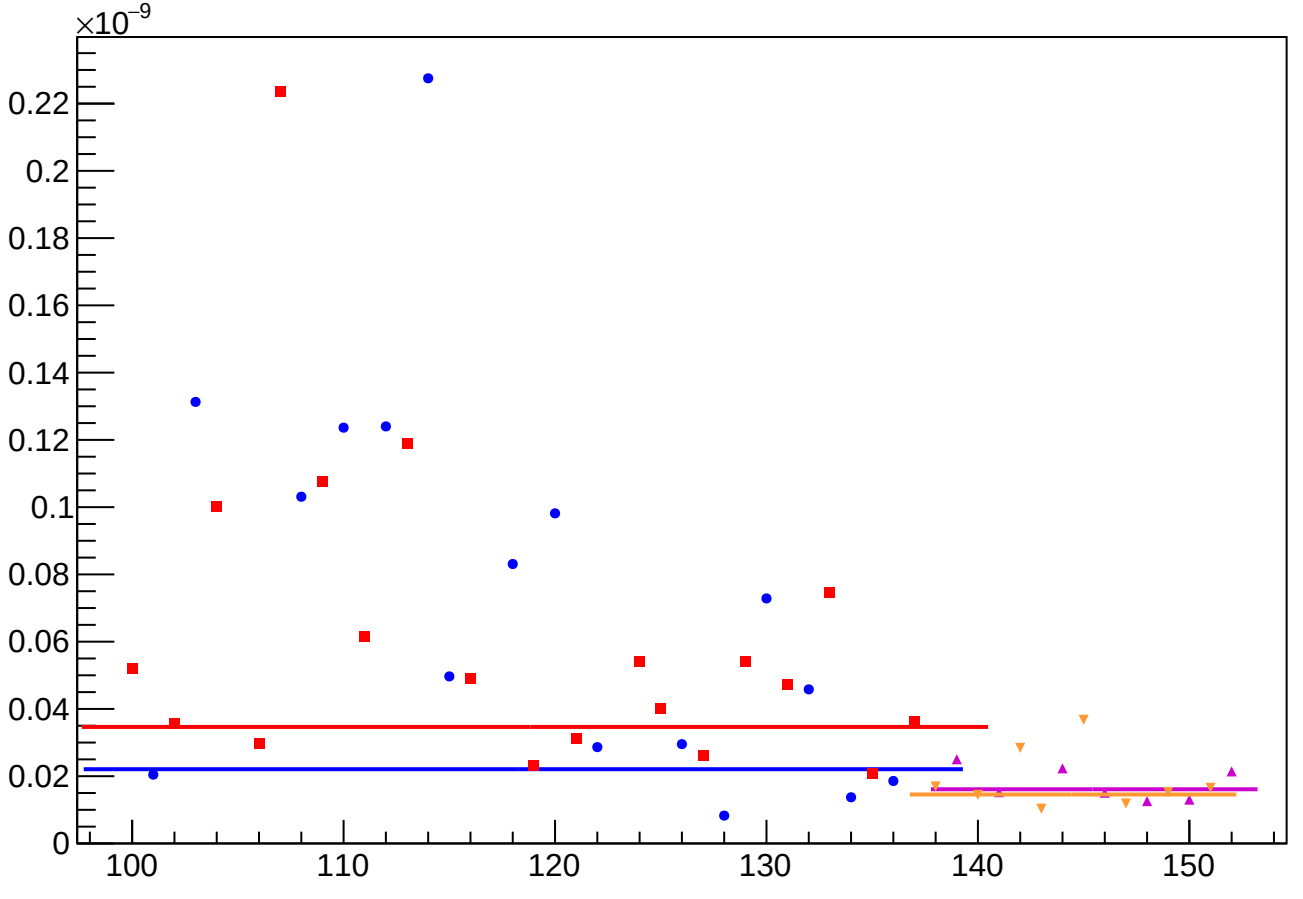
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2709.560+/-0.531 χ^2/NDF:750190.6/22

Out: 2798.906+/-0.548 χ^2/NDF:1151836.5/26

All: 2752.879+/-0.381 χ^2/NDF: 1915731.8/49


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:1.7/6
Left: -0.000+/-0.000 χ²/NDF: 16.0/14
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:17.2/22
Out: -0.000+/-0.000 χ²/NDF:20.9/26
All: -0.000+/-0.000 χ²/NDF: 40.2/49



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:291205.2/6

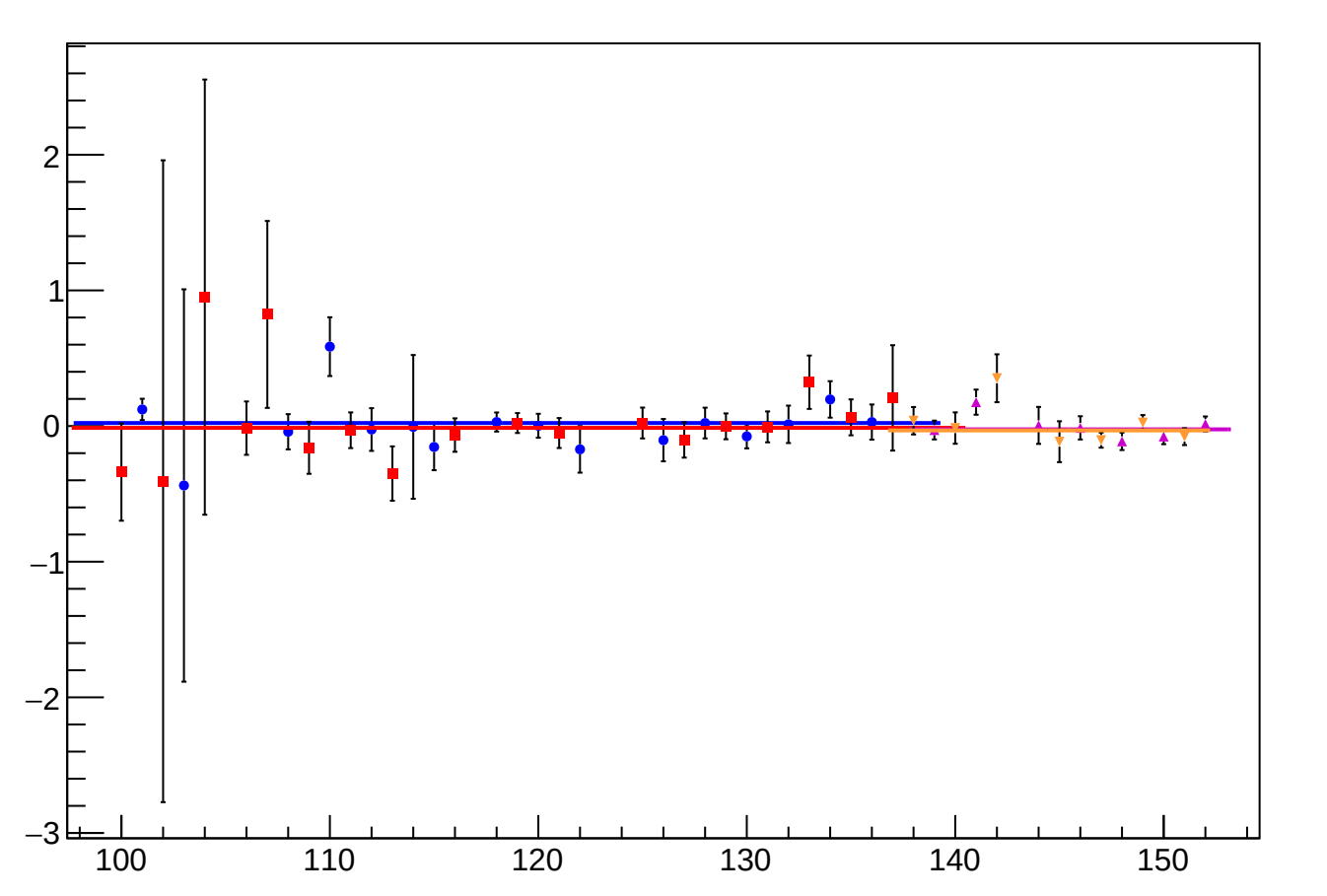
Left: 0.000+/-0.000 χ^2/NDF: 852525.2/14

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:2806197.8/22

Out: 0.000+/-0.000 χ^2/NDF:2951851.0/26

All: 0.000+/-0.000 χ^2/NDF: 5762286.5/49



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: -0.024+/-0.027 χ^2/NDF:8.0/6

Left: -0.028+/-0.020 χ^2/NDF: 16.9/13

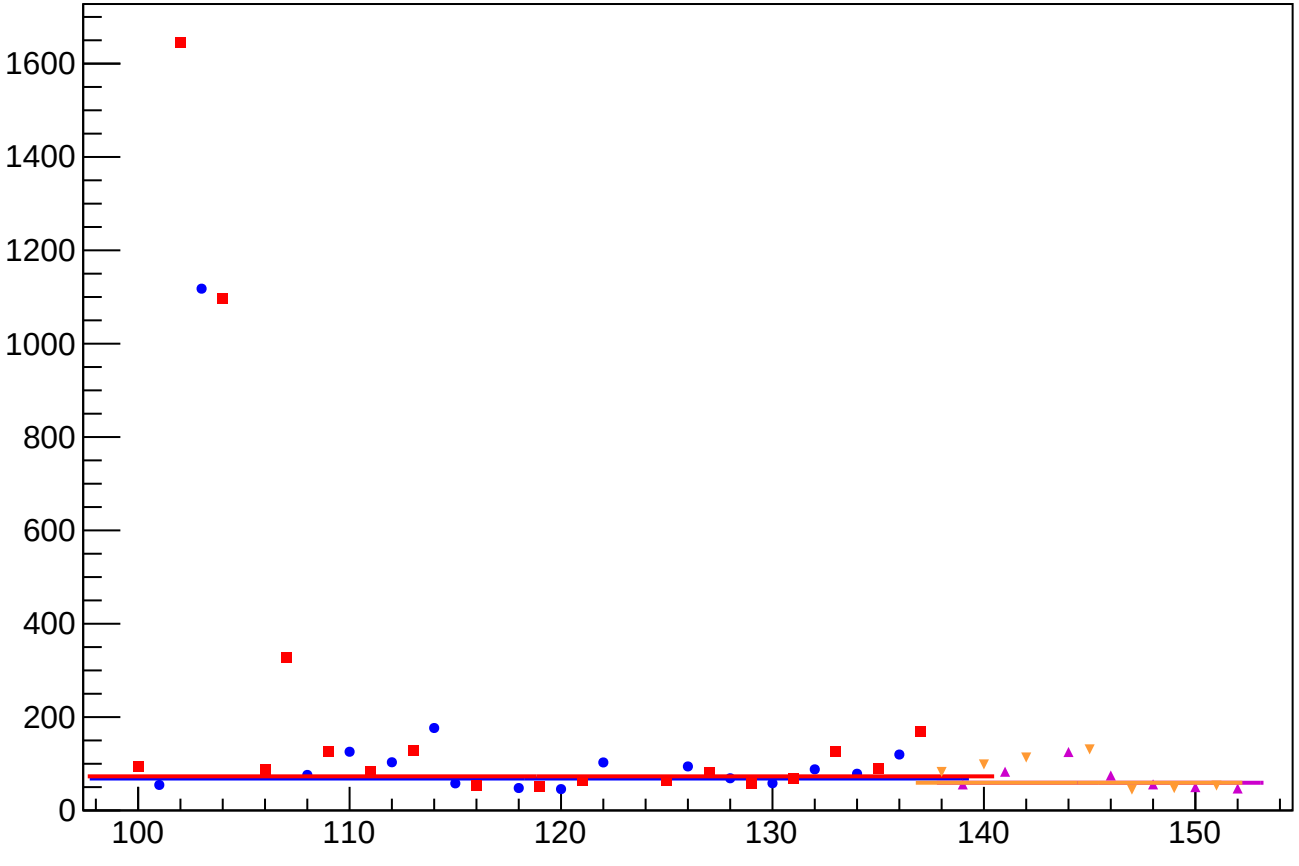
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.004+/-0.020 χ^2/NDF:24.1/22

Out: -0.024+/-0.022 χ^2/NDF:19.8/24

All: -0.013+/-0.015 χ^2/NDF: 44.4/47

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 59.404+/-0.021 χ^2/NDF:1216099.0/6

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.328+/-0.019 χ^2/NDF:825460.6/6

Left: 59.363+/-0.014 χ^2/NDF: 2041566.9/13

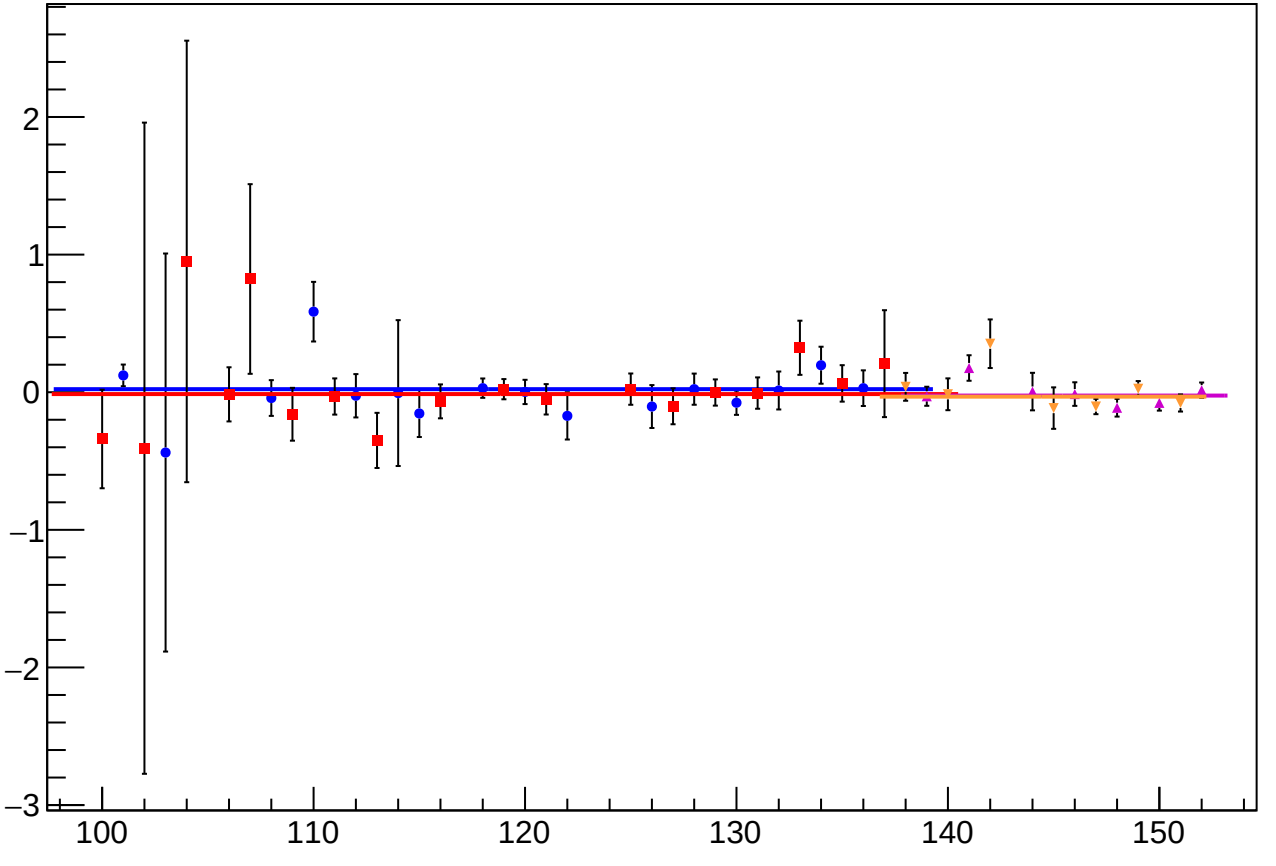
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 63.347+/-0.014 χ^2/NDF:3205312.9/22

Out: 65.376+/-0.016 χ^2/NDF:4316964.1/24

All: 64.261+/-0.011 χ^2/NDF: 7531515.5/47

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: -0.024+/-0.027 χ^2/NDF:8.0/6

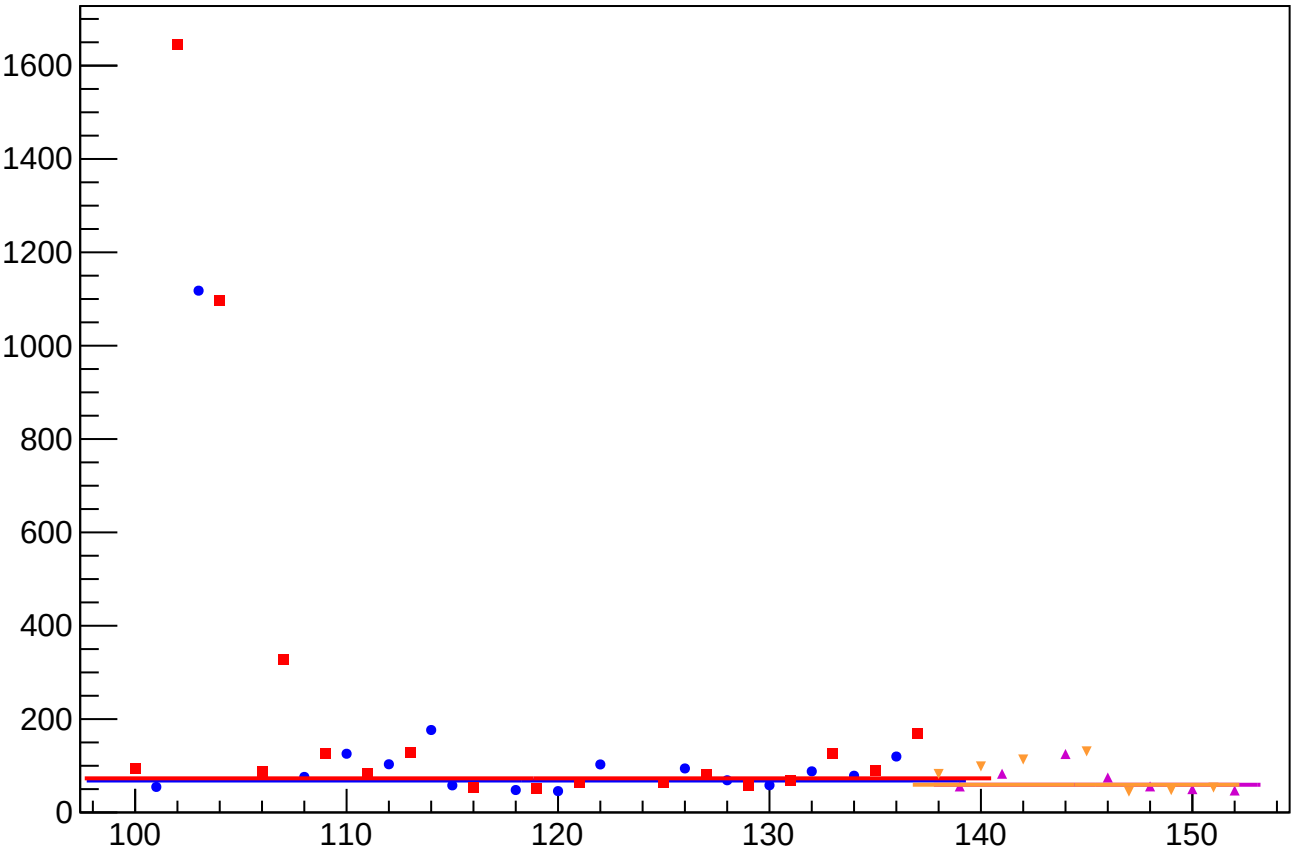
Left: -0.028+/-0.020 χ^2/NDF: 16.9/13

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.004+/-0.020 χ^2/NDF:24.1/22

Out: -0.024+/-0.022 χ^2/NDF:19.8/24

All: -0.013+/-0.015 χ^2/NDF: 44.4/47



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: 59.328+/-0.019 χ^2/NDF:825460.6/6

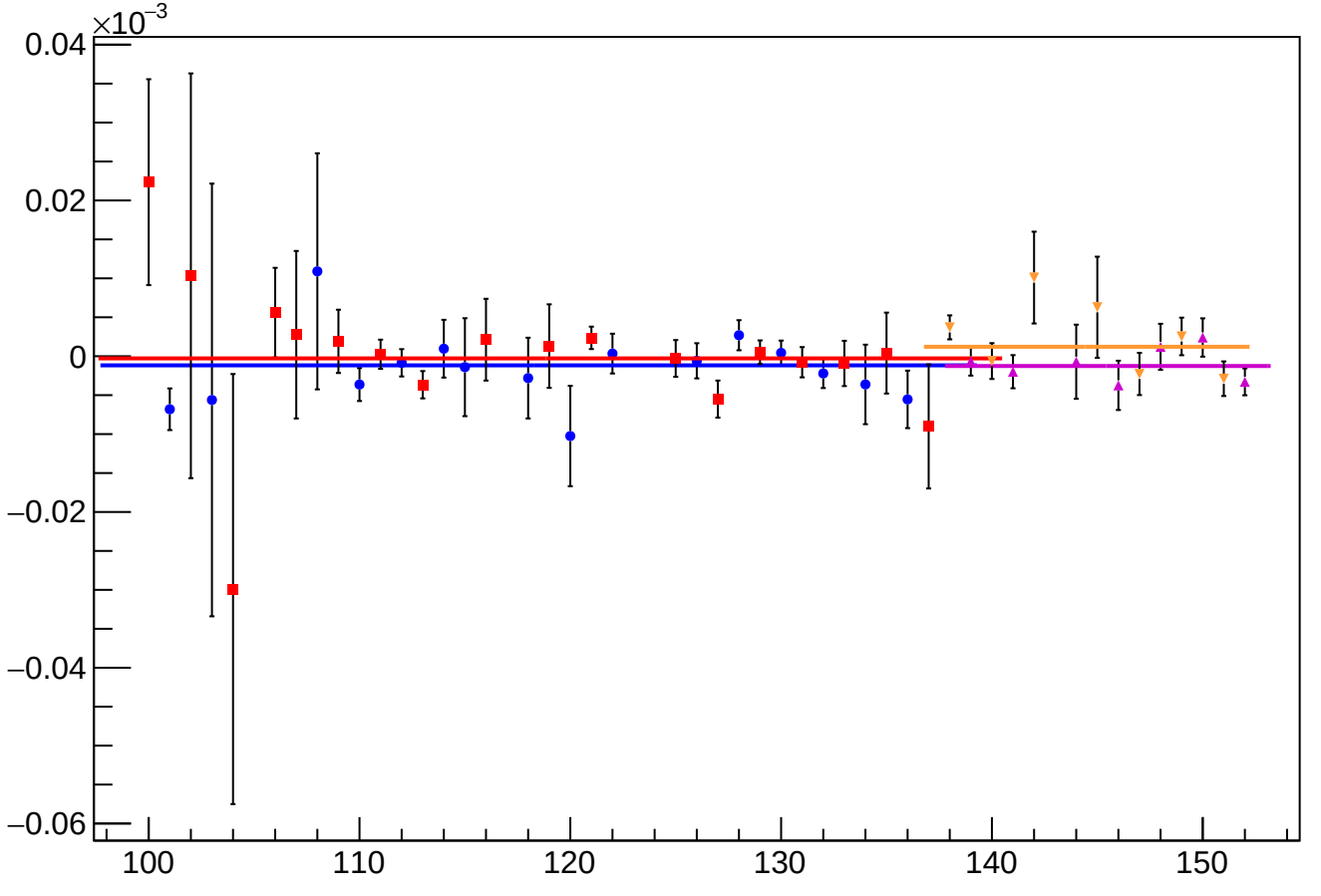
Left: 59.363+/-0.014 χ^2/NDF: 2041566.9/13

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 63.347+/-0.014 χ^2/NDF:3205312.9/22

Out: 65.376+/-0.016 χ^2/NDF:4316964.1/24

All: 64.261+/-0.011 χ^2/NDF: 7531515.5/47



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:5.1/6

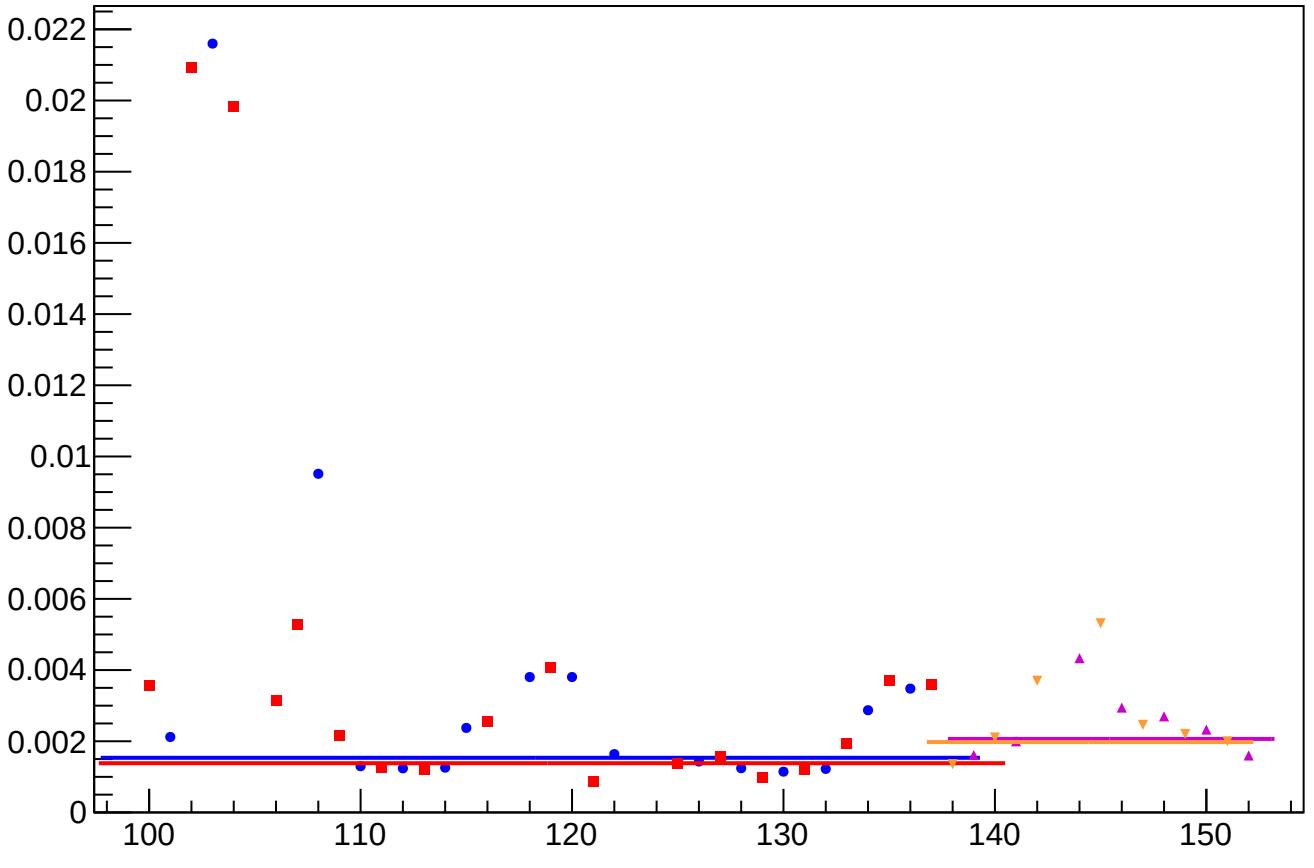
Left: -0.000+/-0.000 χ^2/NDF: 20.4/13

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:21.5/22

Out: 0.000+/-0.000 χ^2/NDF:32.8/24

All: -0.000+/-0.000 χ^2/NDF: 57.8/47



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:992436.1/6

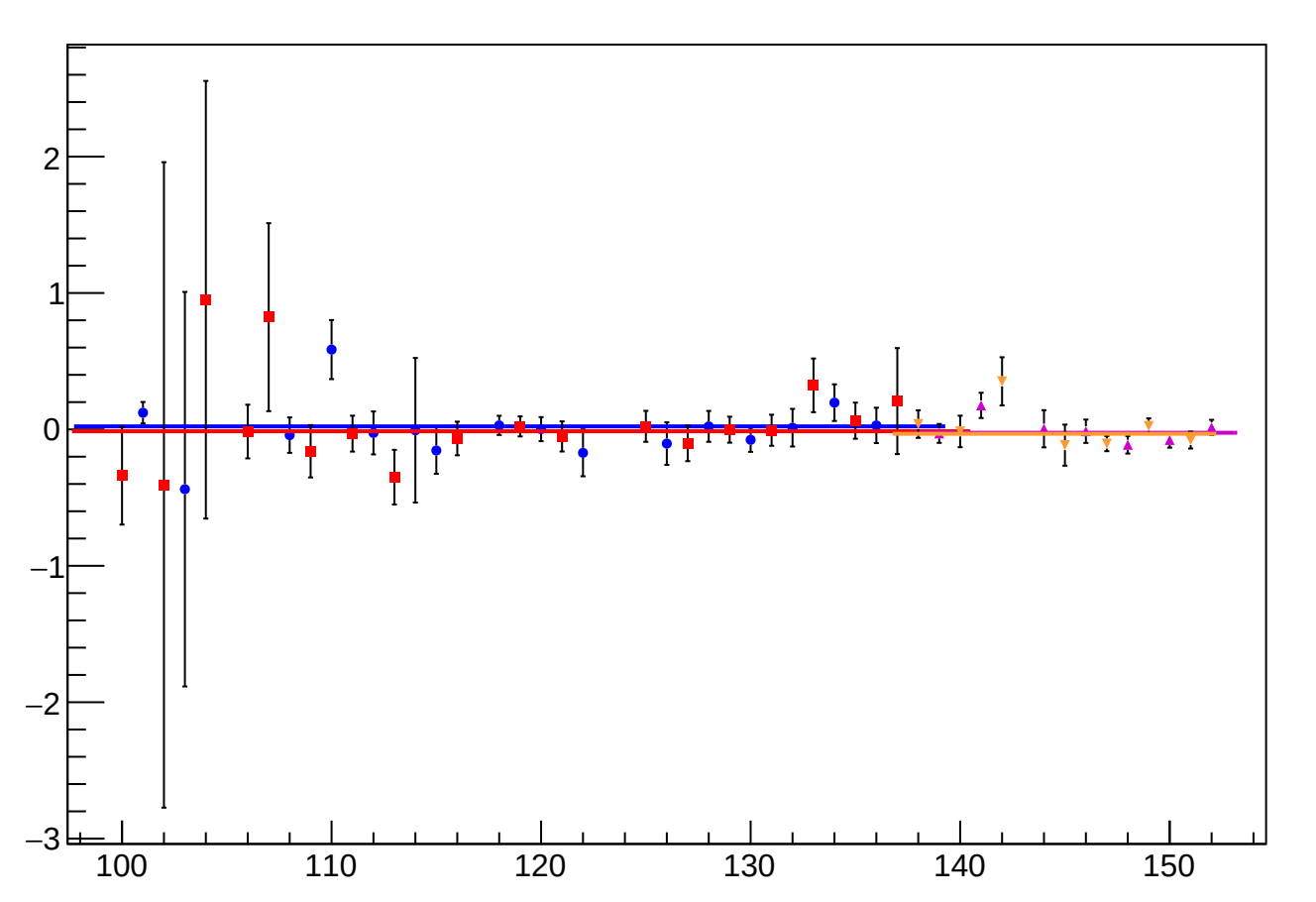
Left: 0.002+/-0.000 χ^2/NDF: 2113066.8/13

Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:4824330.4/22

Out: 0.002+/-0.000 χ^2/NDF:5943179.7/24

All: 0.002+/-0.000 χ^2/NDF: 10851697.3/47



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: -0.024+/-0.027 χ^2/NDF:8.0/6

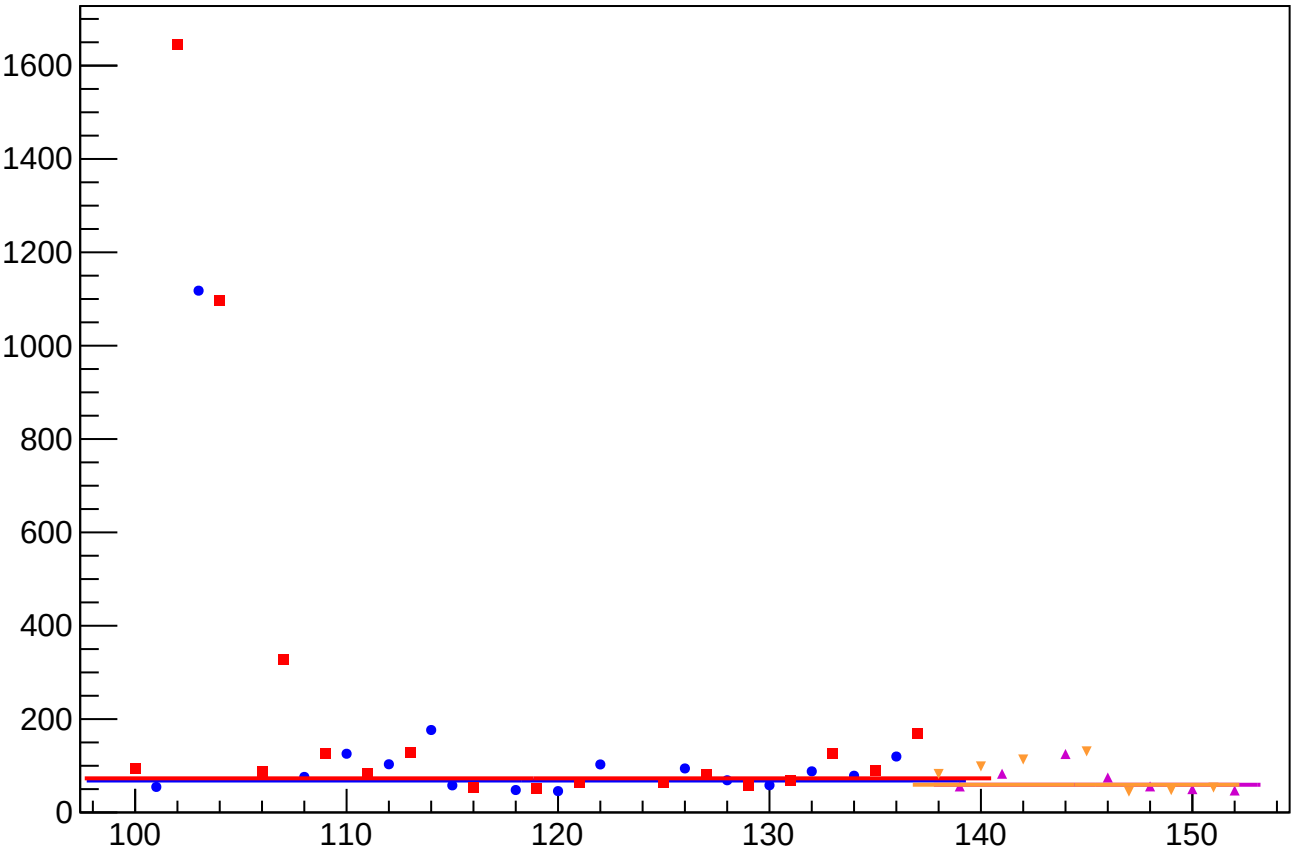
Left: -0.028+/-0.020 χ^2/NDF: 16.9/13

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.004+/-0.020 χ^2/NDF:24.1/22

Out: -0.024+/-0.022 χ^2/NDF:19.8/24

All: -0.013+/-0.015 χ^2/NDF: 44.4/47



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: 59.328+/-0.019 χ^2/NDF:825456.3/6

Left: 59.363+/-0.014 χ^2/NDF: 2041482.9/13

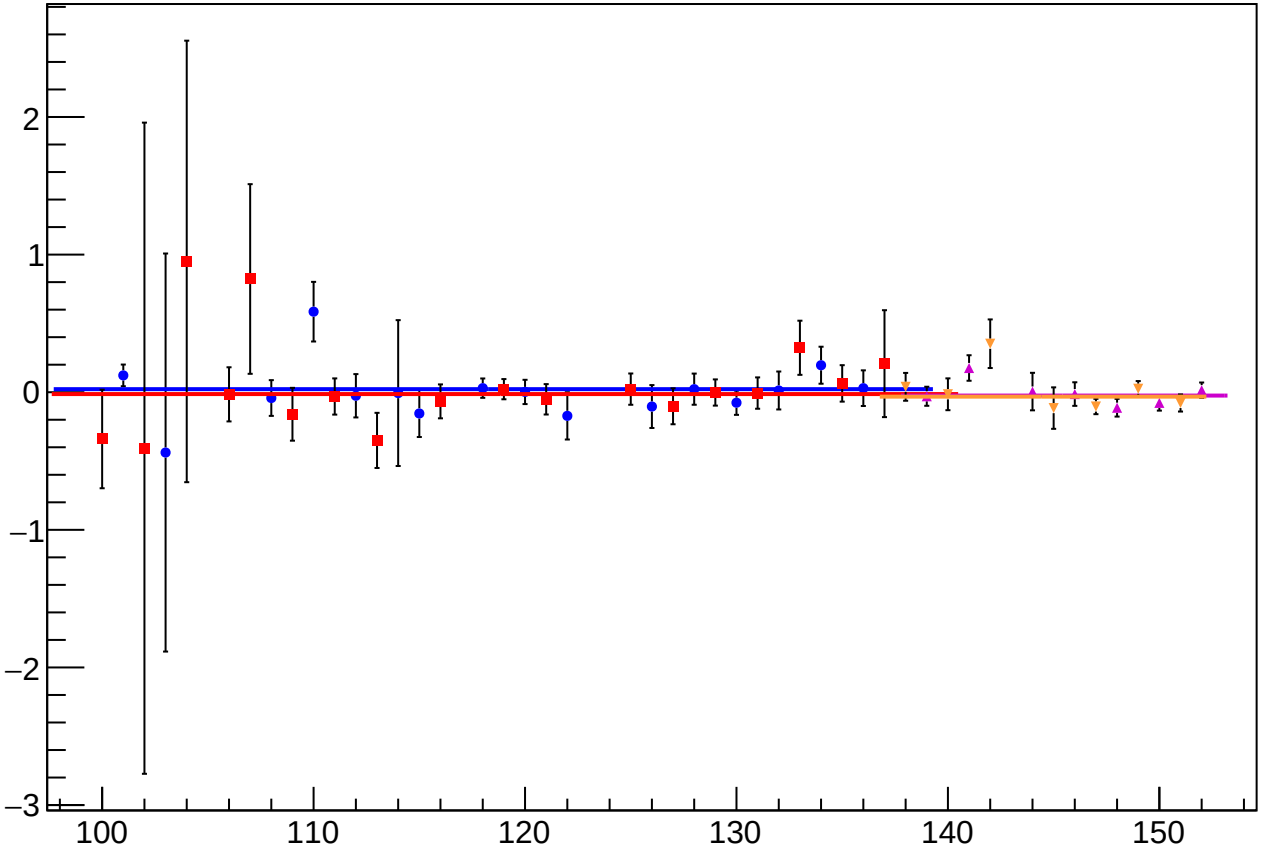
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 63.347+/-0.014 χ^2/NDF:3205372.0/22

Out: 65.376+/-0.016 χ^2/NDF:4316851.1/24

All: 64.261+/-0.011 χ^2/NDF: 7531469.7/47

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: -0.024+/-0.027 χ^2/NDF:8.0/6

Left: -0.028+/-0.020 χ^2/NDF: 16.9/13

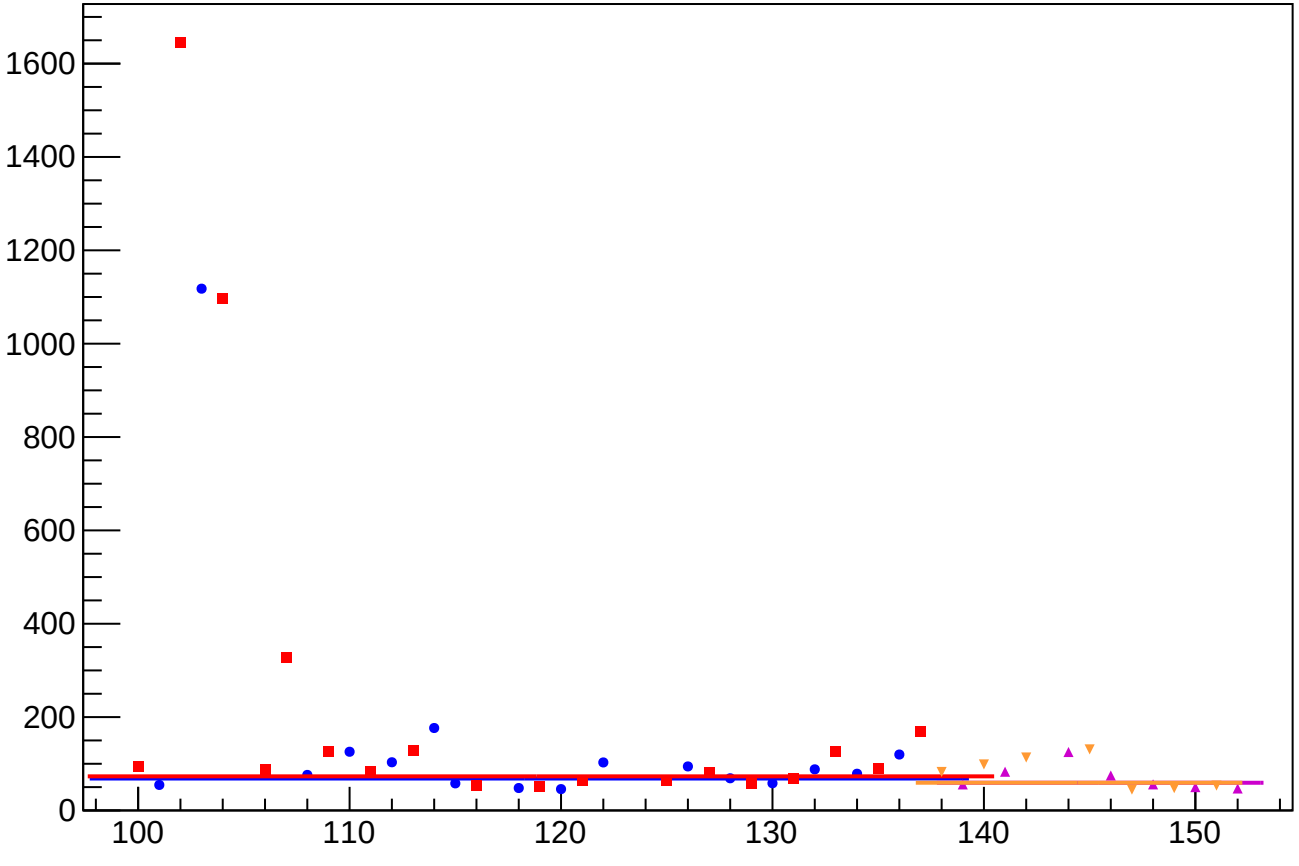
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.004+/-0.020 χ^2/NDF:24.1/22

Out: -0.024+/-0.022 χ^2/NDF:19.8/24

All: -0.013+/-0.015 χ^2/NDF: 44.4/47

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 59.405+/-0.021 χ^2/NDF:1216019.2/6

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.328+/-0.019 χ^2/NDF:825456.3/6

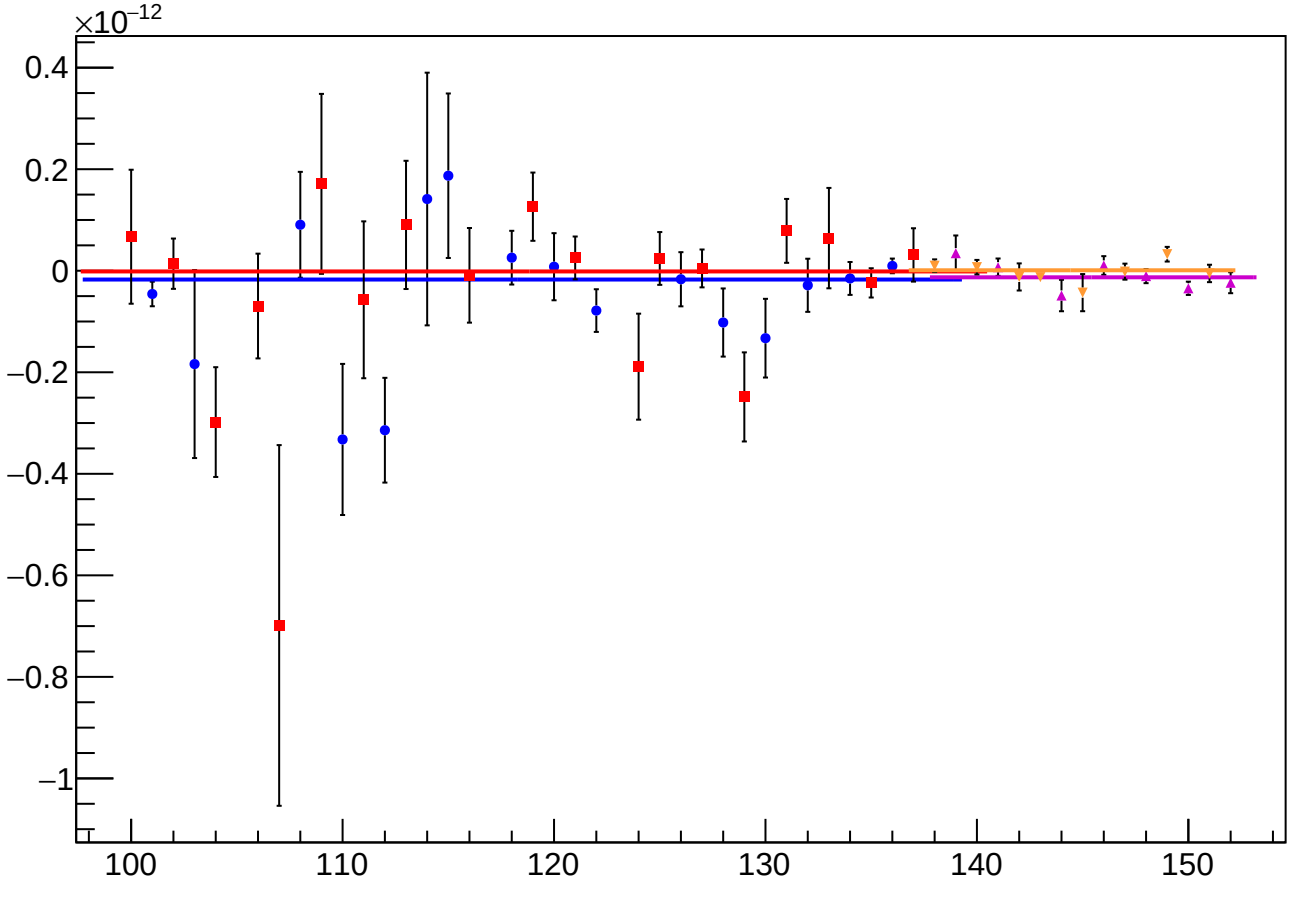
Left: 59.363+/-0.014 χ^2/NDF: 2041482.9/13

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 63.347+/-0.014 χ^2/NDF:3205372.0/22

Out: 65.376+/-0.016 χ^2/NDF:4316851.1/24

All: 64.261+/-0.011 χ^2/NDF: 7531469.7/47



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:9.2/6

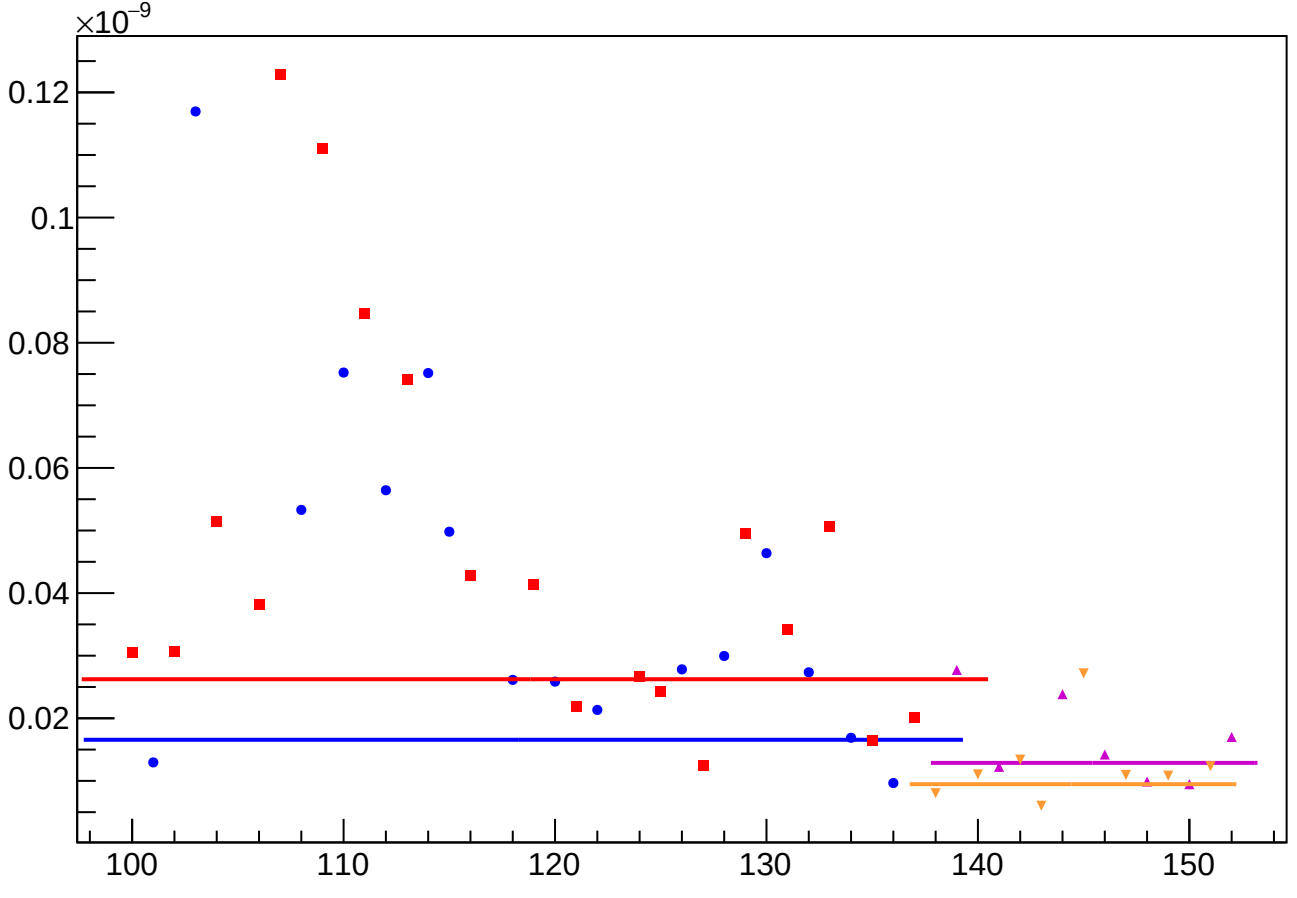
Left: -0.000+/-0.000 χ^2/NDF: 21.3/14

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:37.6/22

Out: 0.000+/-0.000 χ^2/NDF:41.7/26

All: -0.000+/-0.000 χ^2/NDF: 83.4/49



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:934939.4/6

Left: 0.000+/-0.000 χ^2/NDF: 2176553.1/14

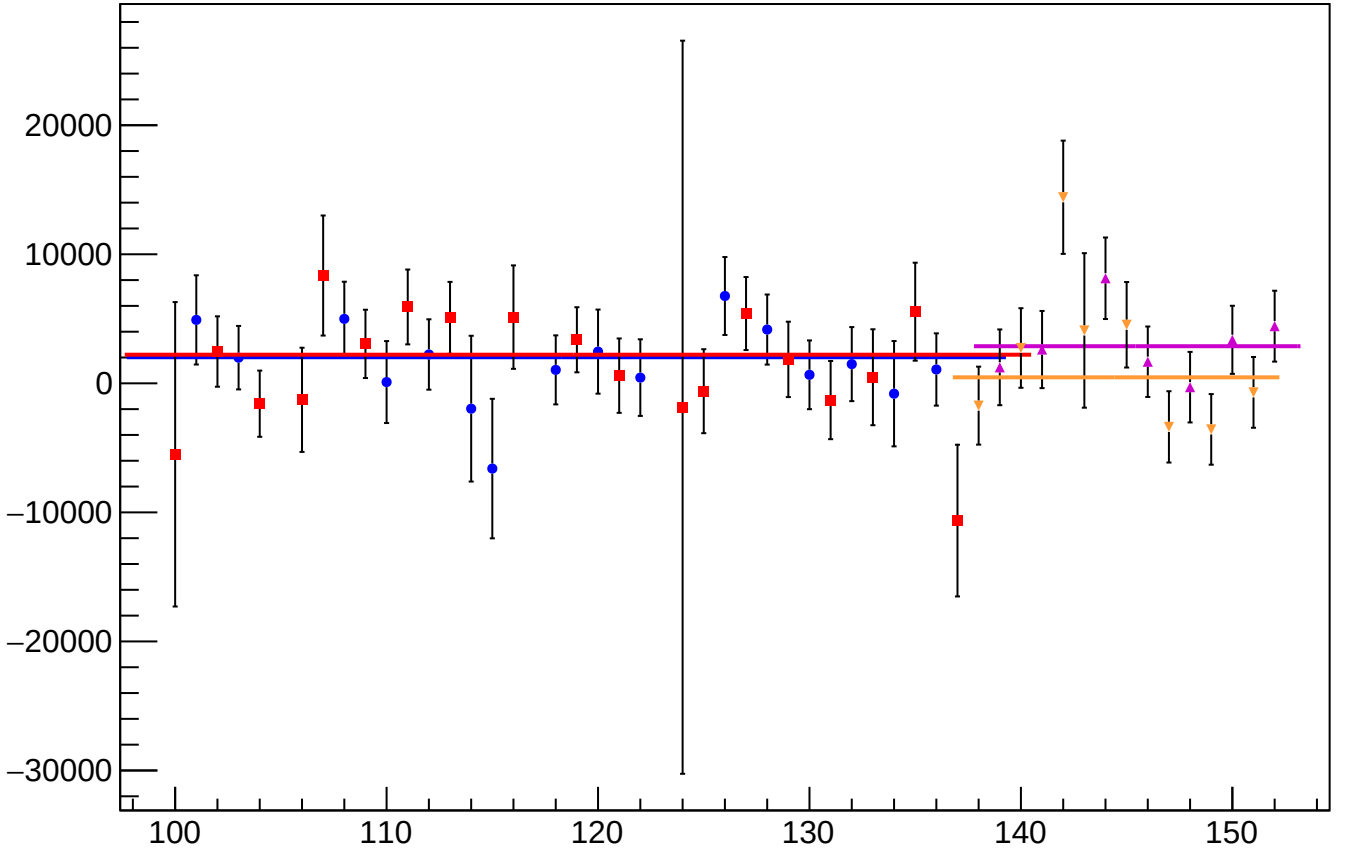
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:3945098.9/22

Out: 0.000+/-0.000 χ^2/NDF:5714041.6/26

All: 0.000+/-0.000 χ^2/NDF: 9905332.1/49

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: 2875.552+/-1070.607 χ^2/NDF:5.0/6

Left: 1734.769+/-777.160 χ^2/NDF: 24.7/14

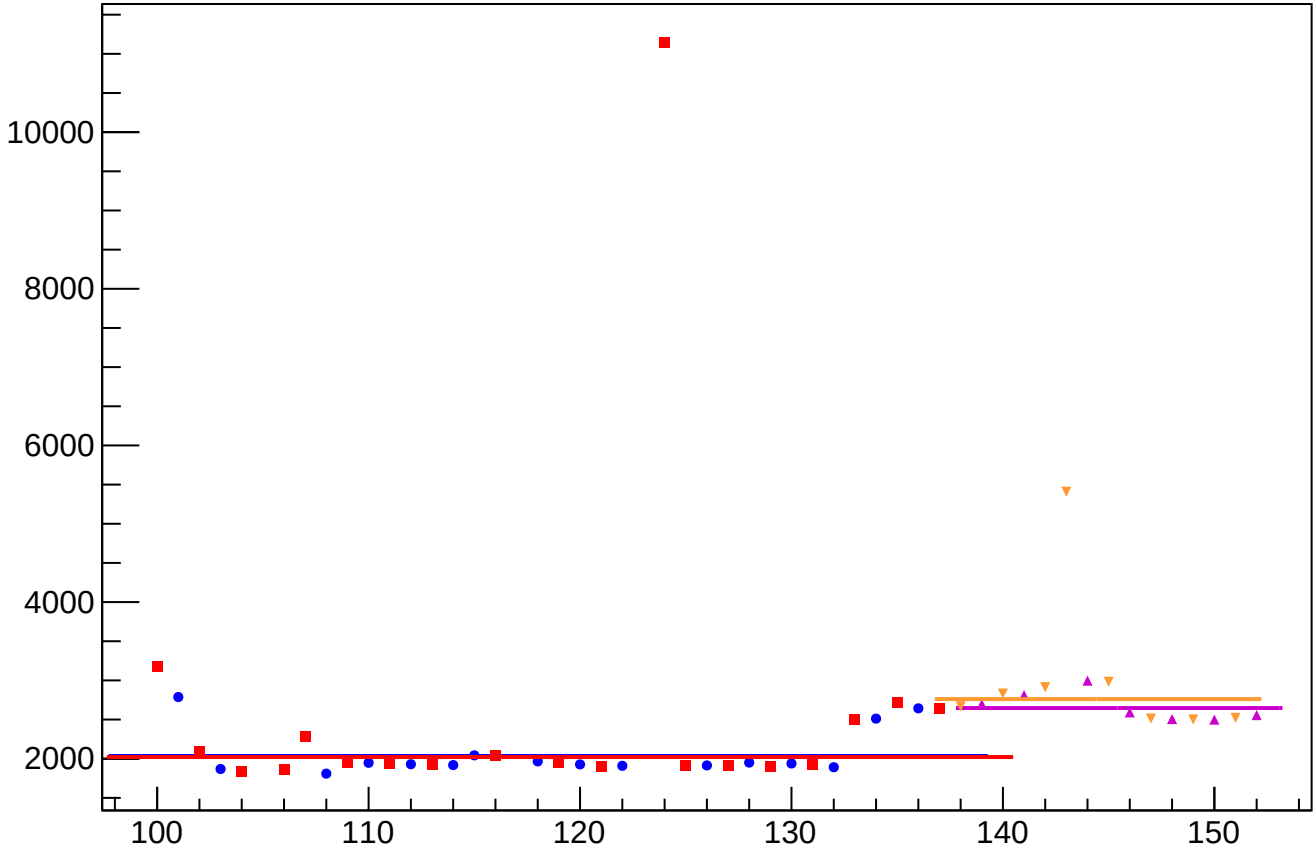
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2310.638+/-622.082 χ^2/NDF:15.0/22

Out: 1674.987+/-628.413 χ^2/NDF:37.1/26

All: 1996.031+/-442.100 χ^2/NDF: 52.7/49

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: 2647.056+/-0.757 χ^2/NDF:45780.2/6

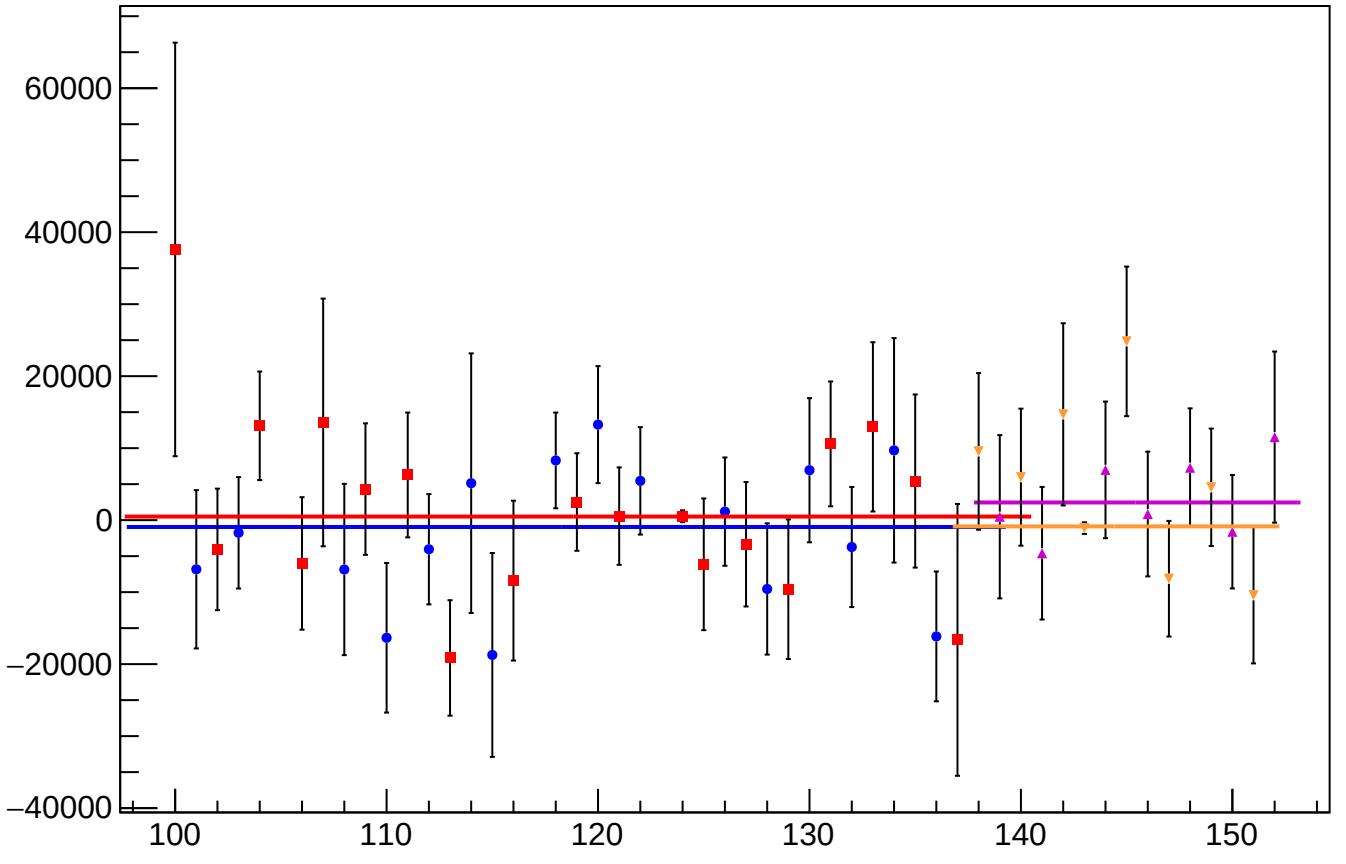
Left: 2701.147+/-0.550 χ^2/NDF: 511432.8/14

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2241.089+/-0.440 χ^2/NDF:742899.8/22

Out: 2250.385+/-0.444 χ^2/NDF:1437431.7/26

All: 2245.690+/-0.313 χ^2/NDF: 2180552.6/49



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: 2457.451+/-3494.180 χ^2/NDF:2.1/6

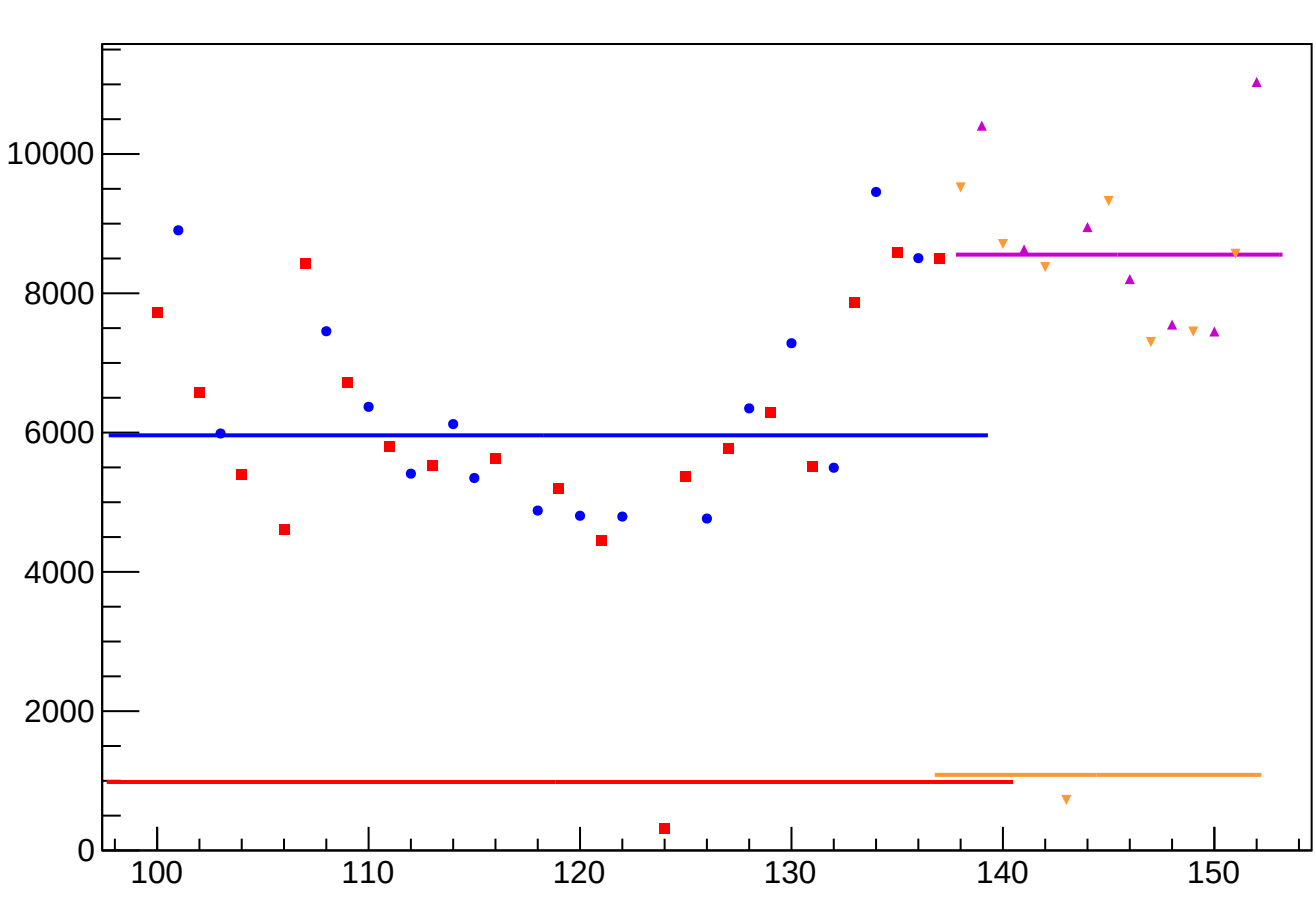
Left: -707.186+/-768.428 χ^2/NDF: 14.4/14

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: 66.272+/-1908.593 χ^2/NDF:18.1/22

Out: -168.292+/-550.000 χ^2/NDF:31.4/26

All: -150.306+/-528.494 χ^2/NDF: 49.5/49



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: 8555.159+/-2.471 χ^2/NDF:216108.5/6

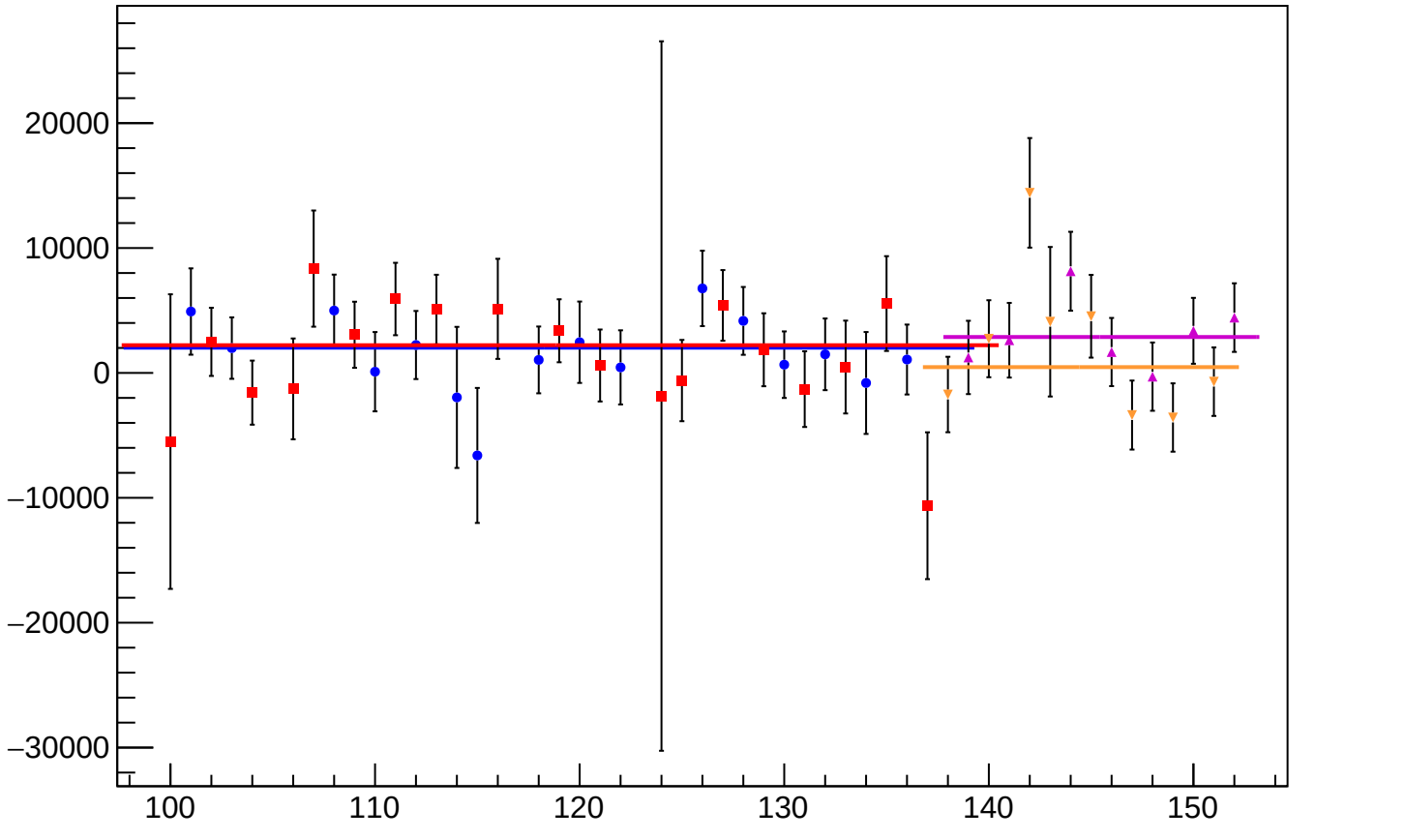
Left: 1446.389+/-0.543 χ^2/NDF: 17385171.6/14

Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 6734.846+/-1.350 χ^2/NDF:1678973.7/22

Out: 1032.944+/-0.389 χ^2/NDF:19904115.1/26

All: 1470.137+/-0.374 χ^2/NDF: 38064620.7/4



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: 2875.744+/-1070.607 χ^2/NDF:5.0/6

Left: 1734.891+/-777.160 χ^2/NDF: 24.7/14

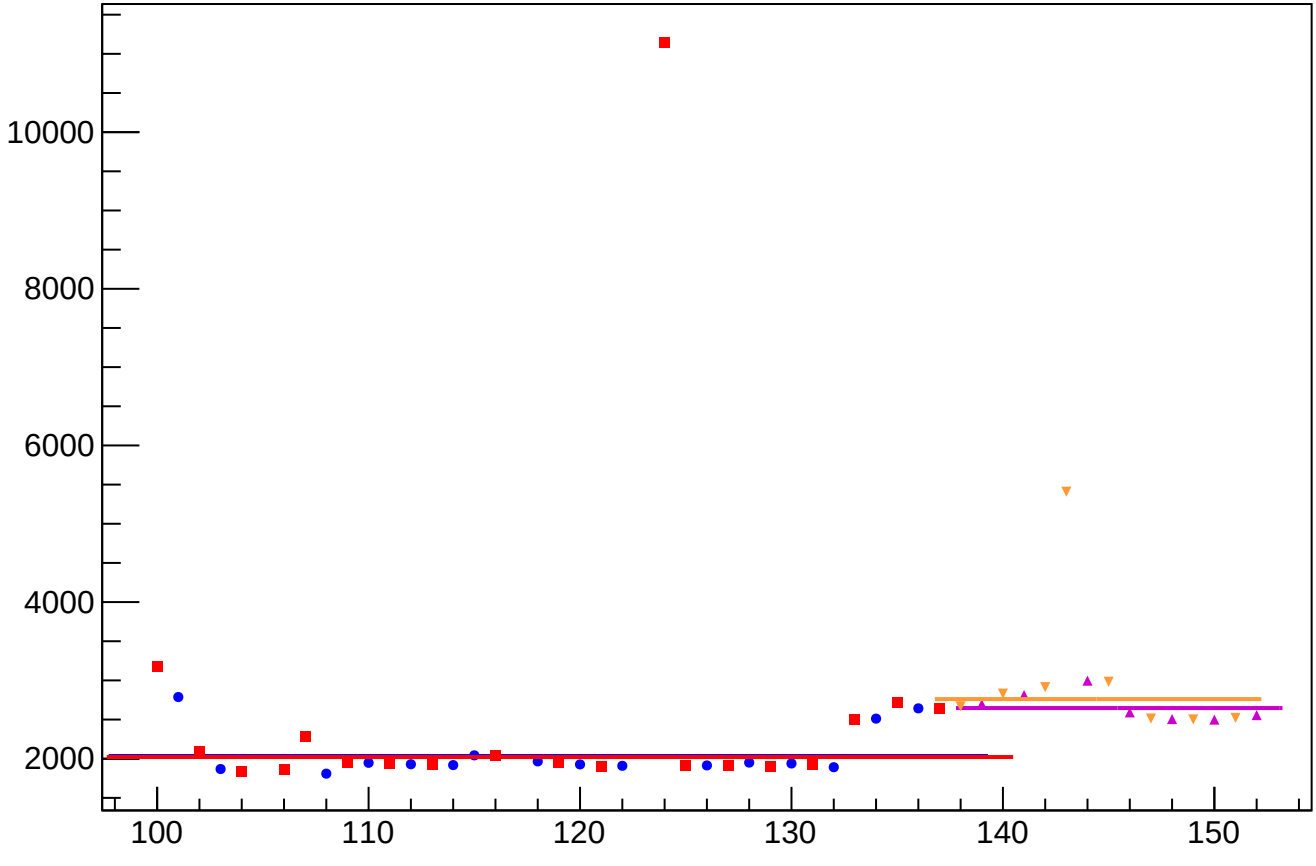
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2310.787+/-622.082 χ^2/NDF:15.0/22

Out: 1676.263+/-628.418 χ^2/NDF:37.2/26

All: 1996.739+/-442.101 χ^2/NDF: 52.7/49

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: 2647.056+/-0.757 χ^2/NDF:45780.2/6

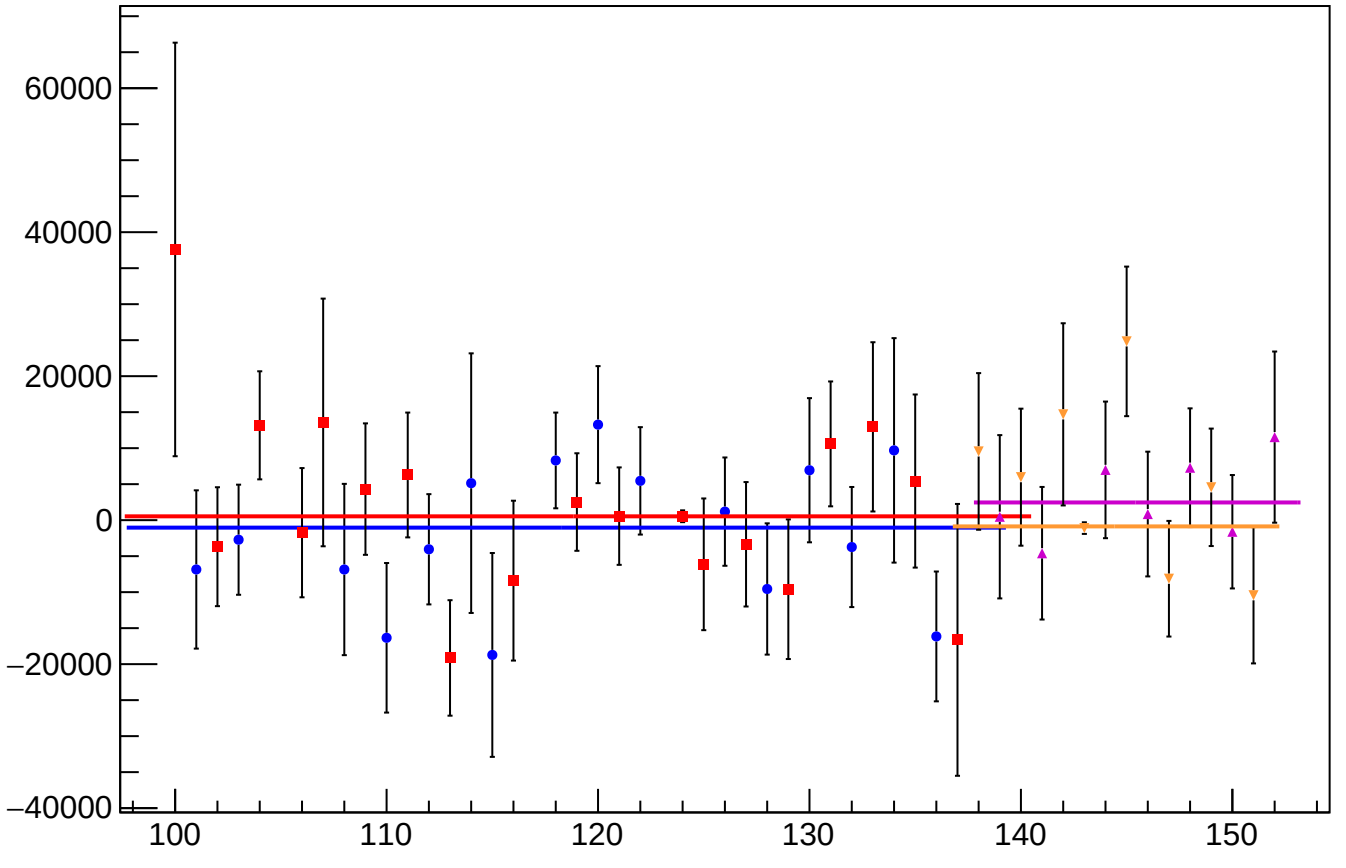
Left: 2701.148+/-0.550 χ^2/NDF: 511432.8/14

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2241.089+/-0.440 χ^2/NDF:742899.9/22

Out: 2250.403+/-0.444 χ^2/NDF:1437405.3/26

All: 2245.699+/-0.313 χ^2/NDF: 2180527.1/49



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: 2457.565+/-3494.176 χ^2/NDF:2.1/6

Left: -707.011+/-768.361 χ^2/NDF: 14.4/14

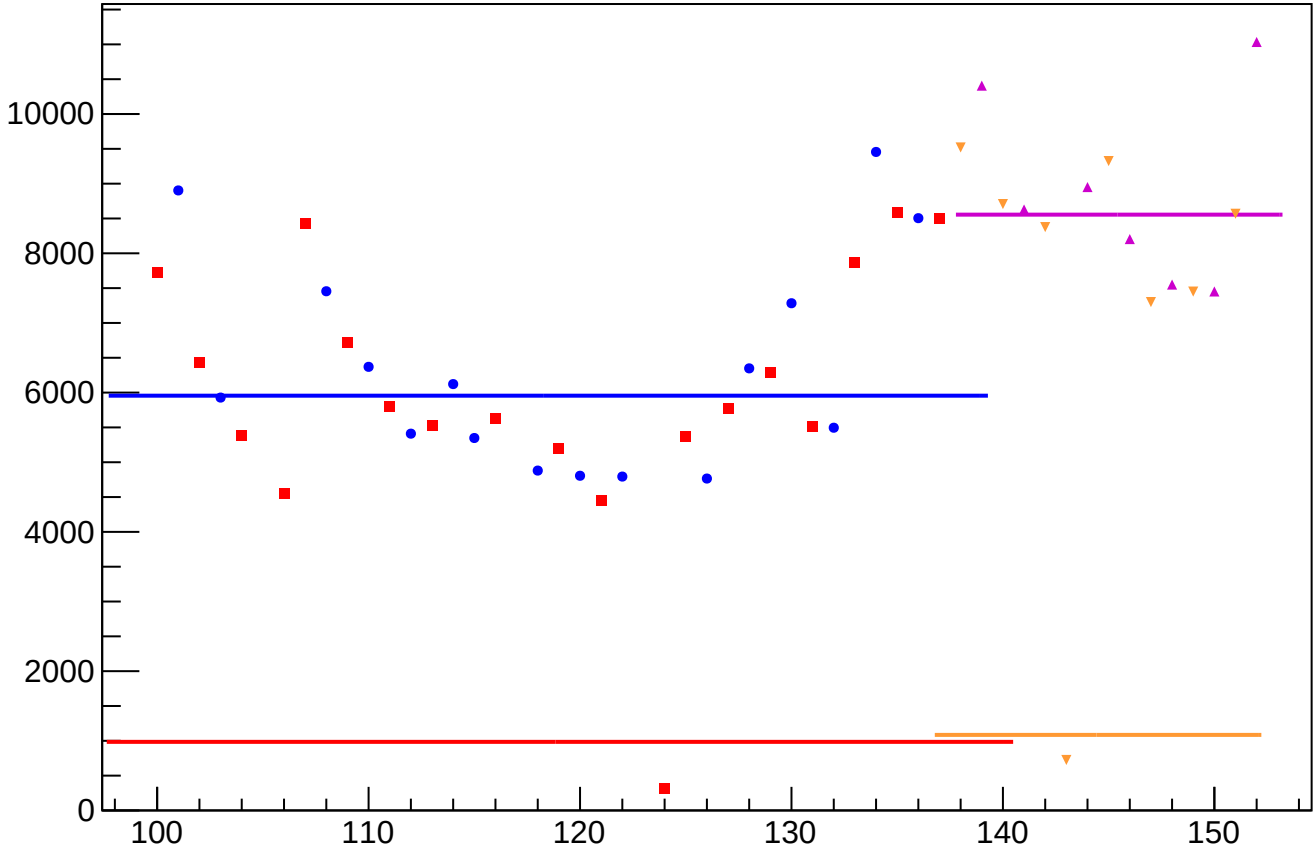
Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 3.457+/-1907.209 χ^2/NDF:18.2/22

Out: -150.873+/-549.851 χ^2/NDF:31.1/26

All: -139.029+/-528.332 χ^2/NDF: 49.2/49

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



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: 8555.148+/-2.471 χ^2/NDF:216109.3/6

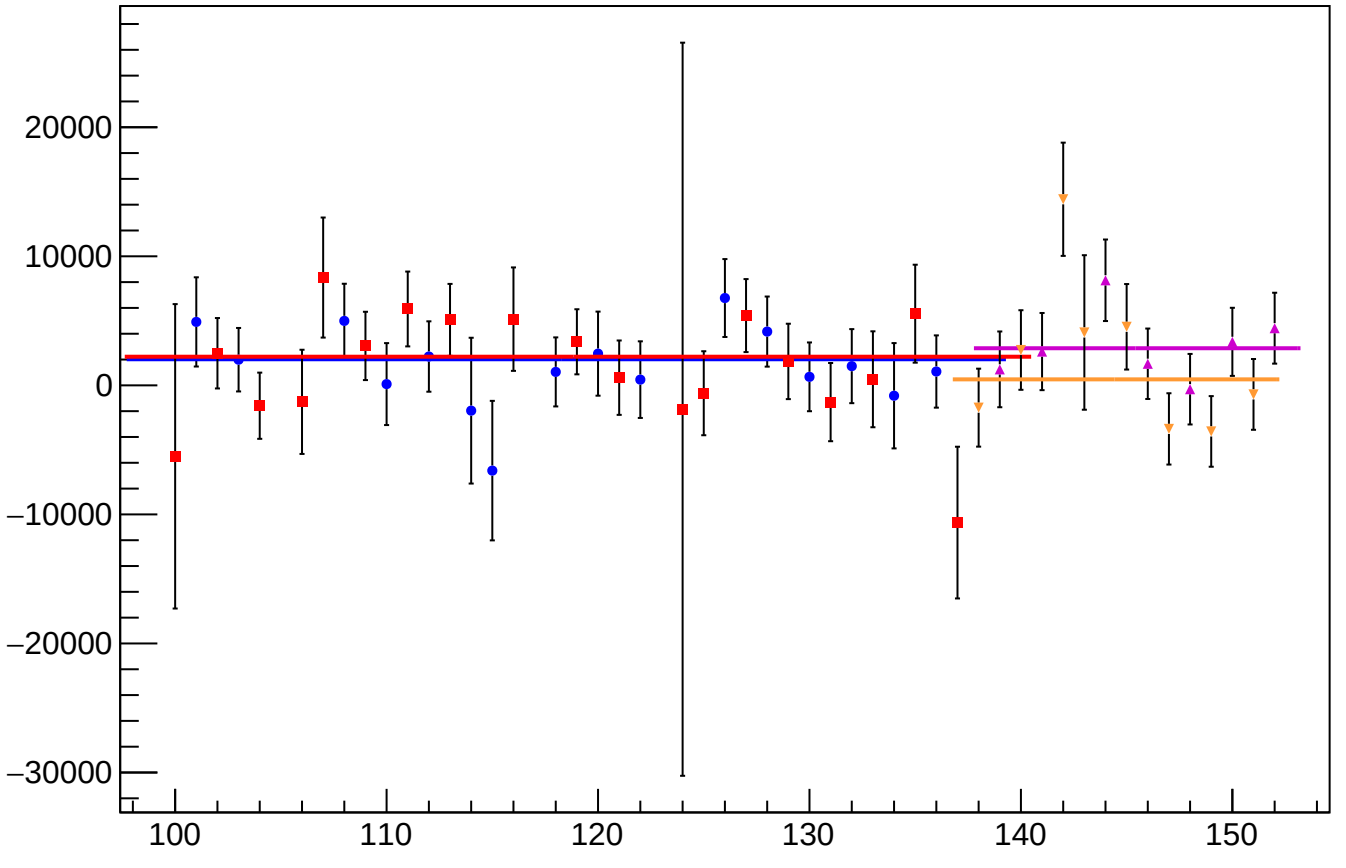
Left: 1446.200+/-0.543 χ^2/NDF: 17385780.2/14

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6730.098+/-1.349 χ^2/NDF:1682403.9/22

Out: 1033.748+/-0.389 χ^2/NDF:19899885.3/26

All: 1470.881+/-0.374 χ^2/NDF: 38054463.7/4



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: 2875.744+/-1070.607 χ^2/NDF:5.0/6

Left: 1734.891+/-777.160 χ^2/NDF: 24.7/14

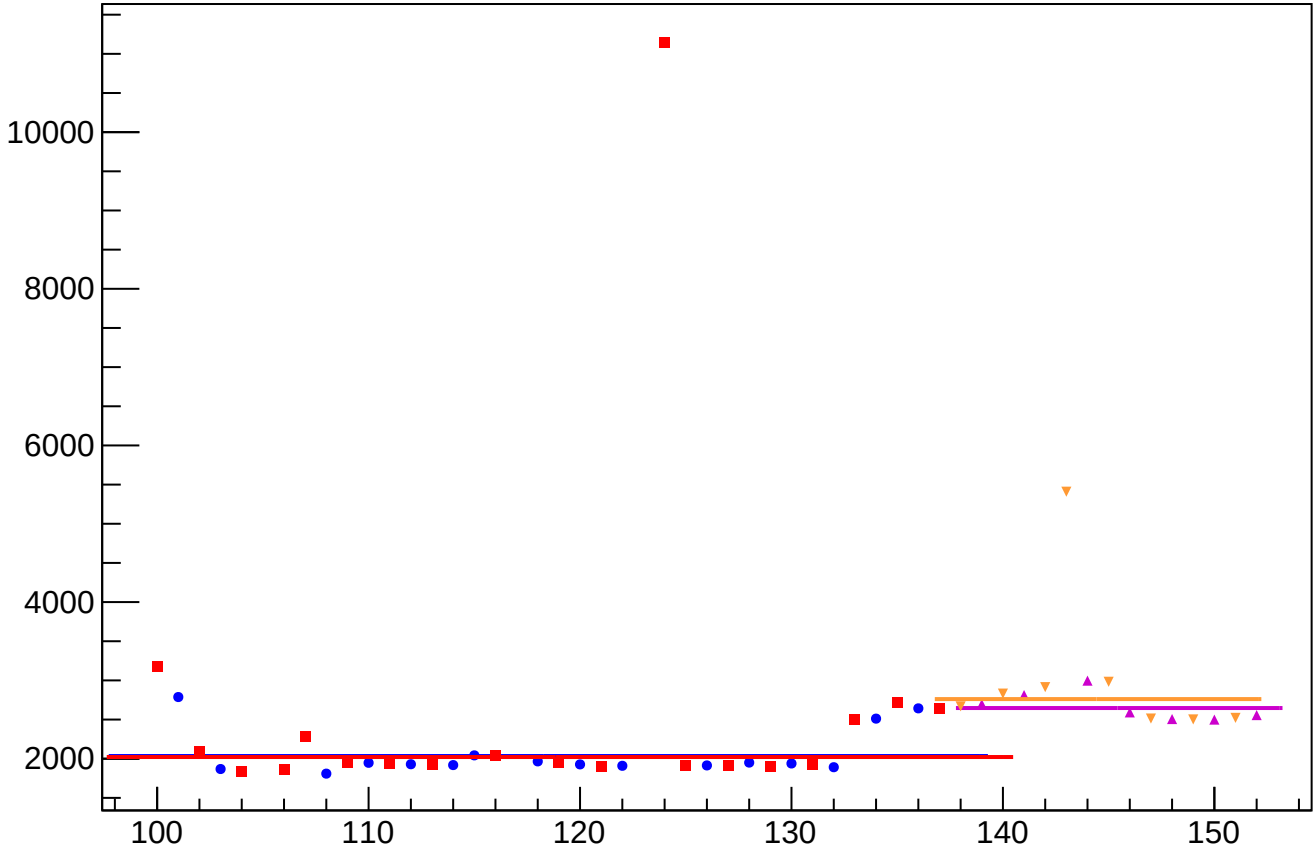
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2310.787+/-622.082 χ^2/NDF:15.0/22

Out: 1676.263+/-628.418 χ^2/NDF:37.2/26

All: 1996.739+/-442.101 χ^2/NDF: 52.7/49

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: 2647.056+/-0.757 χ^2/NDF:45780.2/6

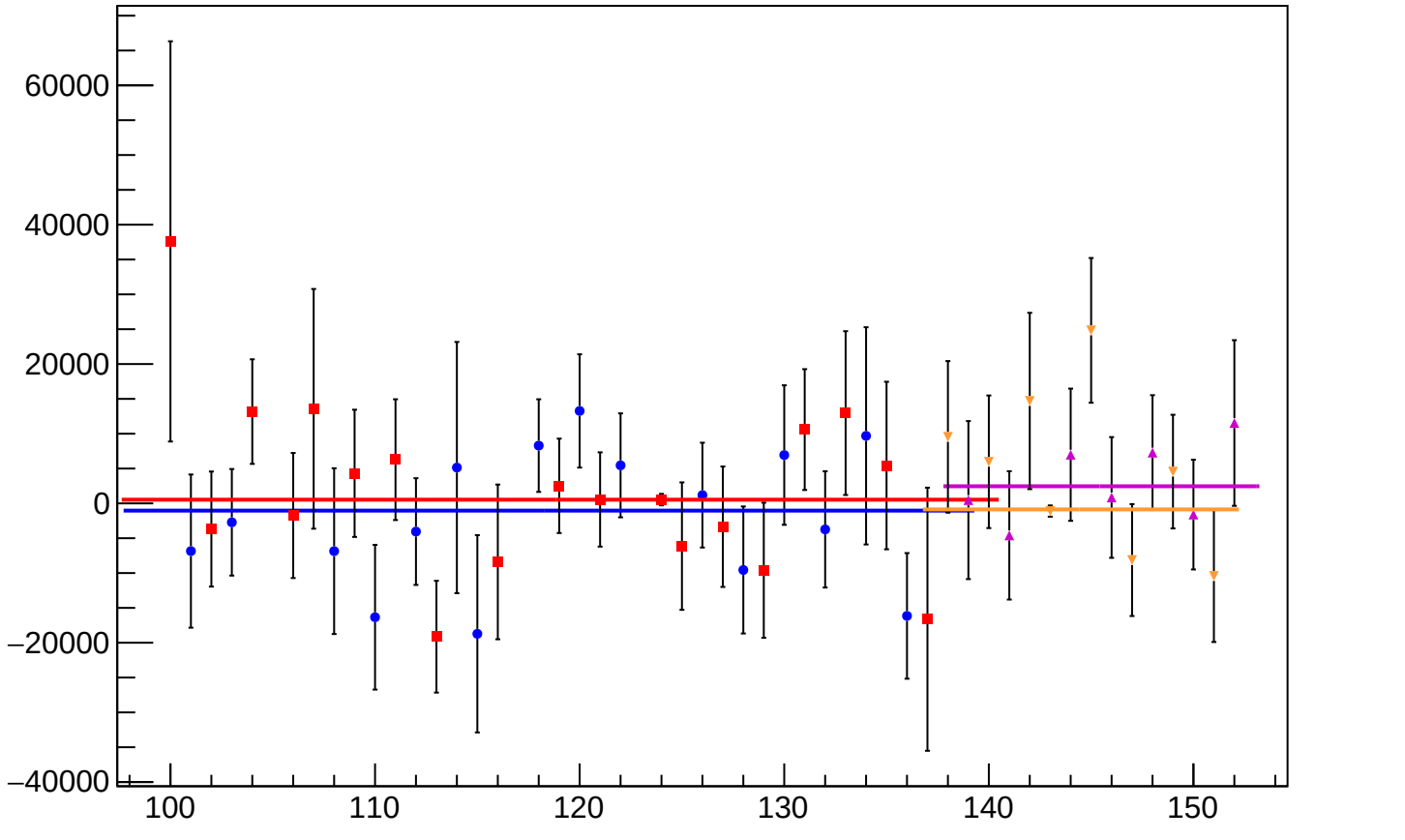
Left: 2701.148+/-0.550 χ^2/NDF: 511432.8/14

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2241.089+/-0.440 χ^2/NDF:742899.9/22

Out: 2250.403+/-0.444 χ^2/NDF:1437405.3/26

All: 2245.699+/-0.313 χ^2/NDF: 2180527.1/49



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: 2457.565+/-3494.176 χ^2/NDF:2.1/6

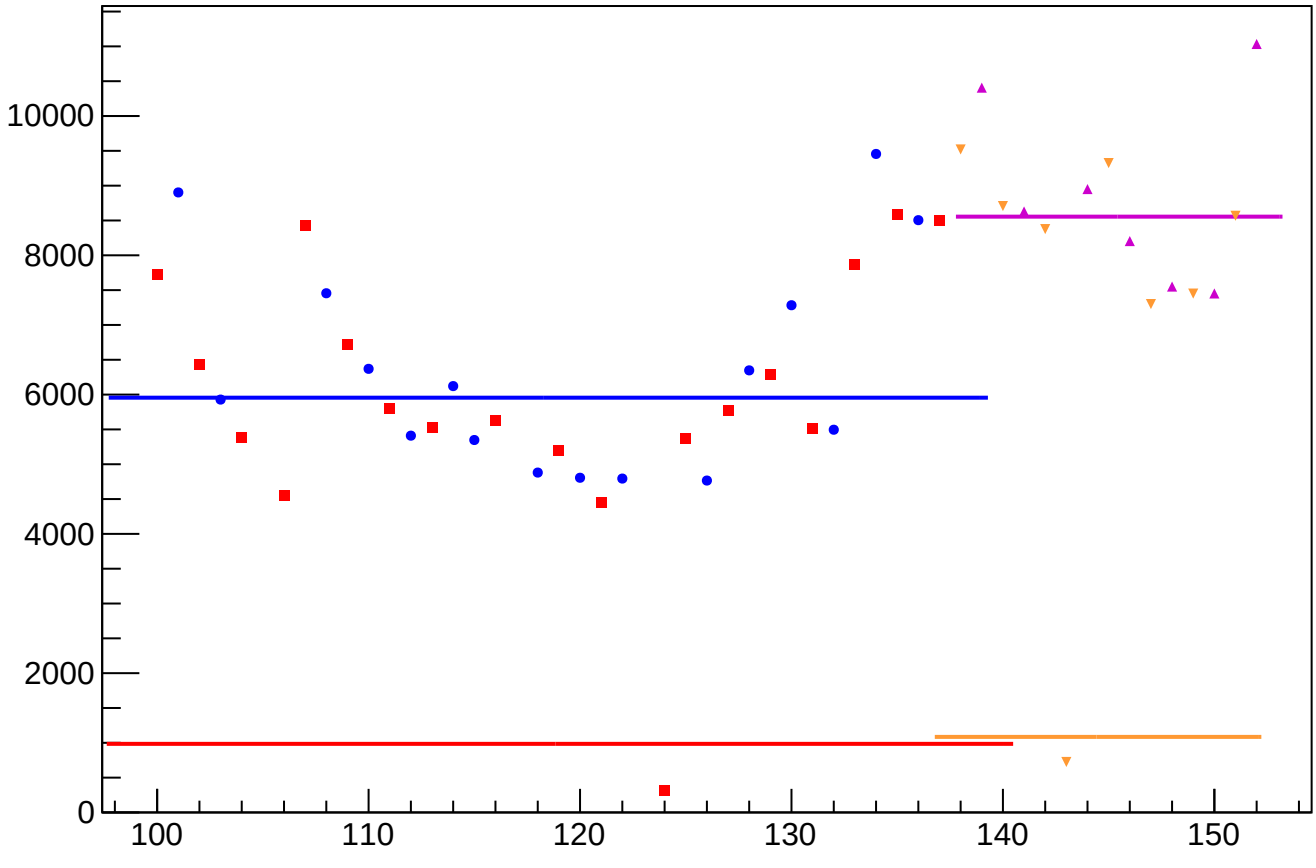
Left: -707.011+/-768.361 χ^2/NDF: 14.4/14

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 3.457+/-1907.209 χ^2/NDF:18.2/22

Out: -150.873+/-549.851 χ^2/NDF:31.1/26

All: -139.029+/-528.332 χ^2/NDF: 49.2/49



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: 8555.148+/-2.471 χ^2/NDF:216109.3/6

Left: 1446.200+/-0.543 χ^2/NDF: 17385780.2/14

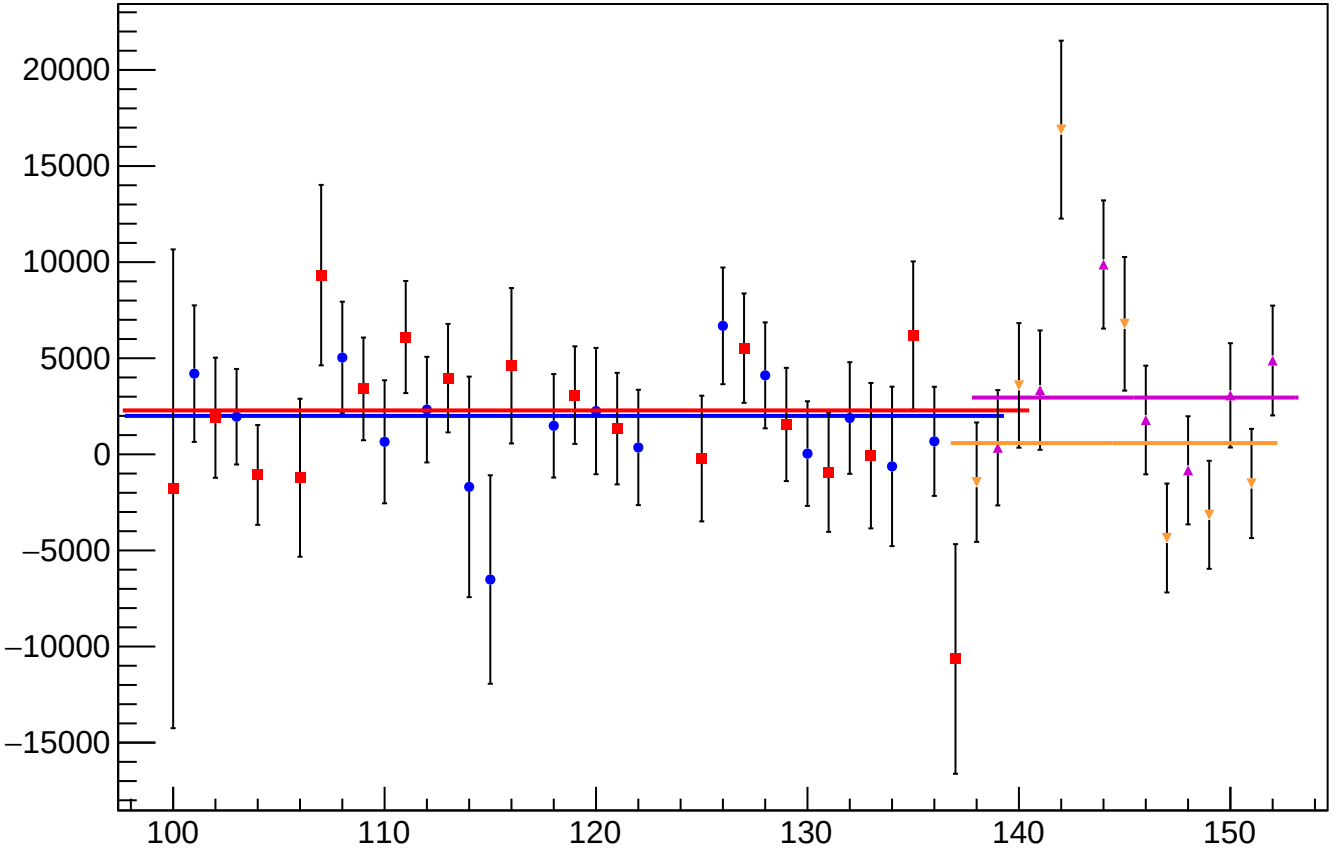
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6730.098+/-1.349 χ^2/NDF:1682403.9/22

Out: 1033.748+/-0.389 χ^2/NDF:19899885.3/26

All: 1470.881+/-0.374 χ^2/NDF: 38054463.7/4

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: 2953.685+/-1108.096 χ^2/NDF:7.5/6

Left: 1857.177+/-811.762 χ^2/NDF: 31.9/13

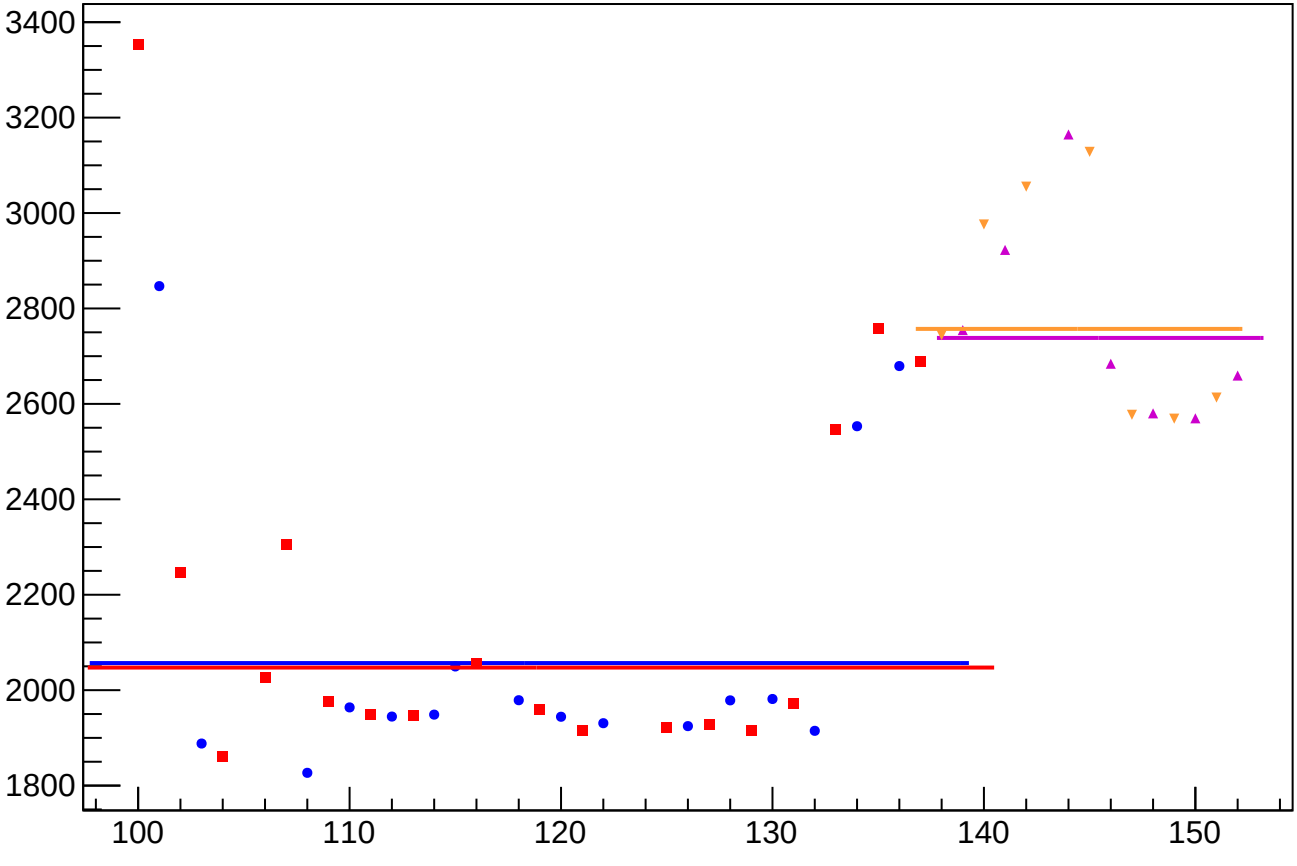
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2311.943+/-634.279 χ^2/NDF:17.0/22

Out: 1784.885+/-647.648 χ^2/NDF:40.3/24

All: 2053.910+/-453.156 χ^2/NDF: 57.7/47

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: 2738.233+/-0.784 χ^2/NDF:56080.0/6

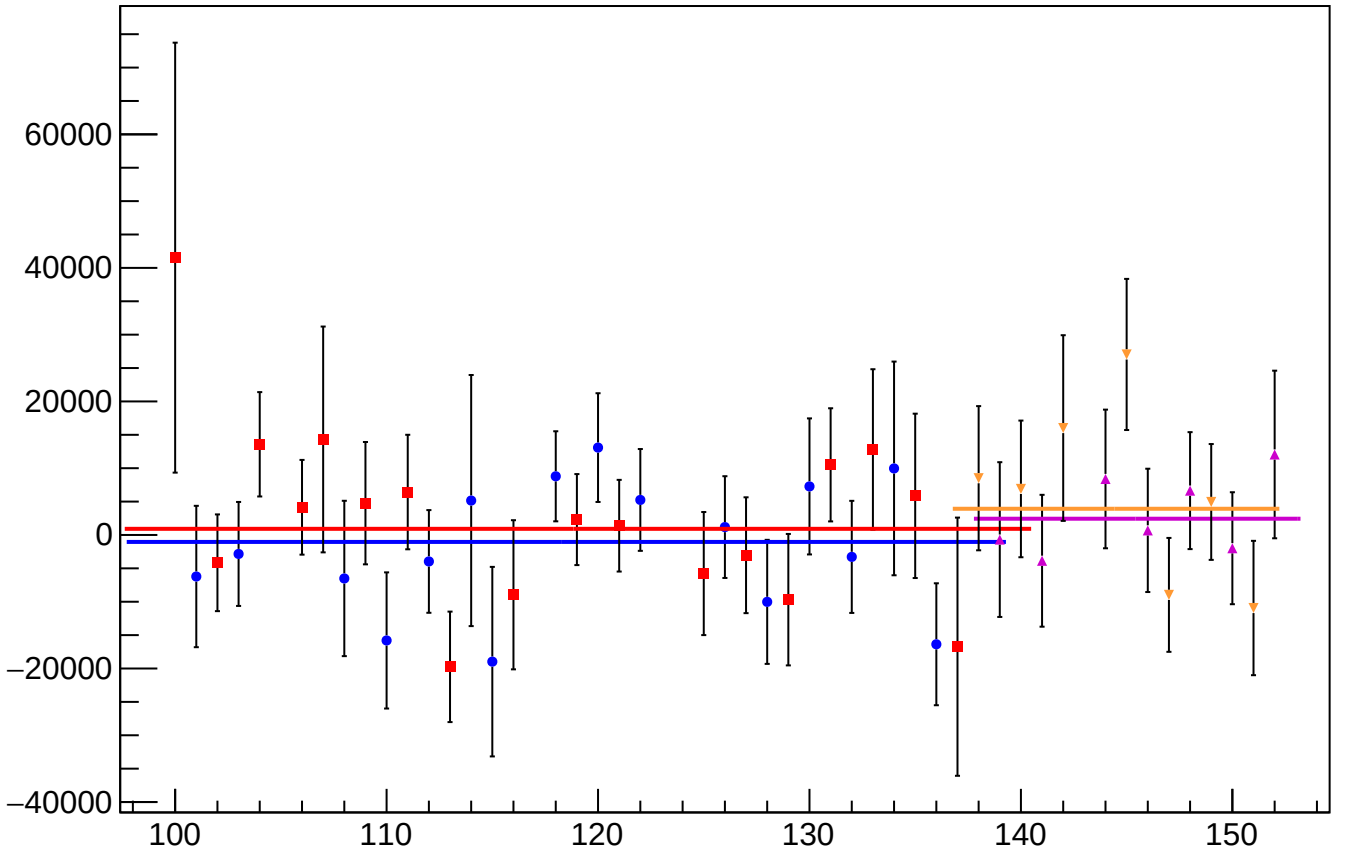
Left: 2747.010+/-0.574 χ^2/NDF: 118739.5/13

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2280.066+/-0.449 χ^2/NDF:835073.7/22

Out: 2256.288+/-0.457 χ^2/NDF:758868.1/24

All: 2268.412+/-0.320 χ^2/NDF: 1595319.3/47



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: 2433.023+/-3718.869 χ^2/NDF:1.9/6

Left: 3156.064+/-2669.527 χ^2/NDF: 11.7/13

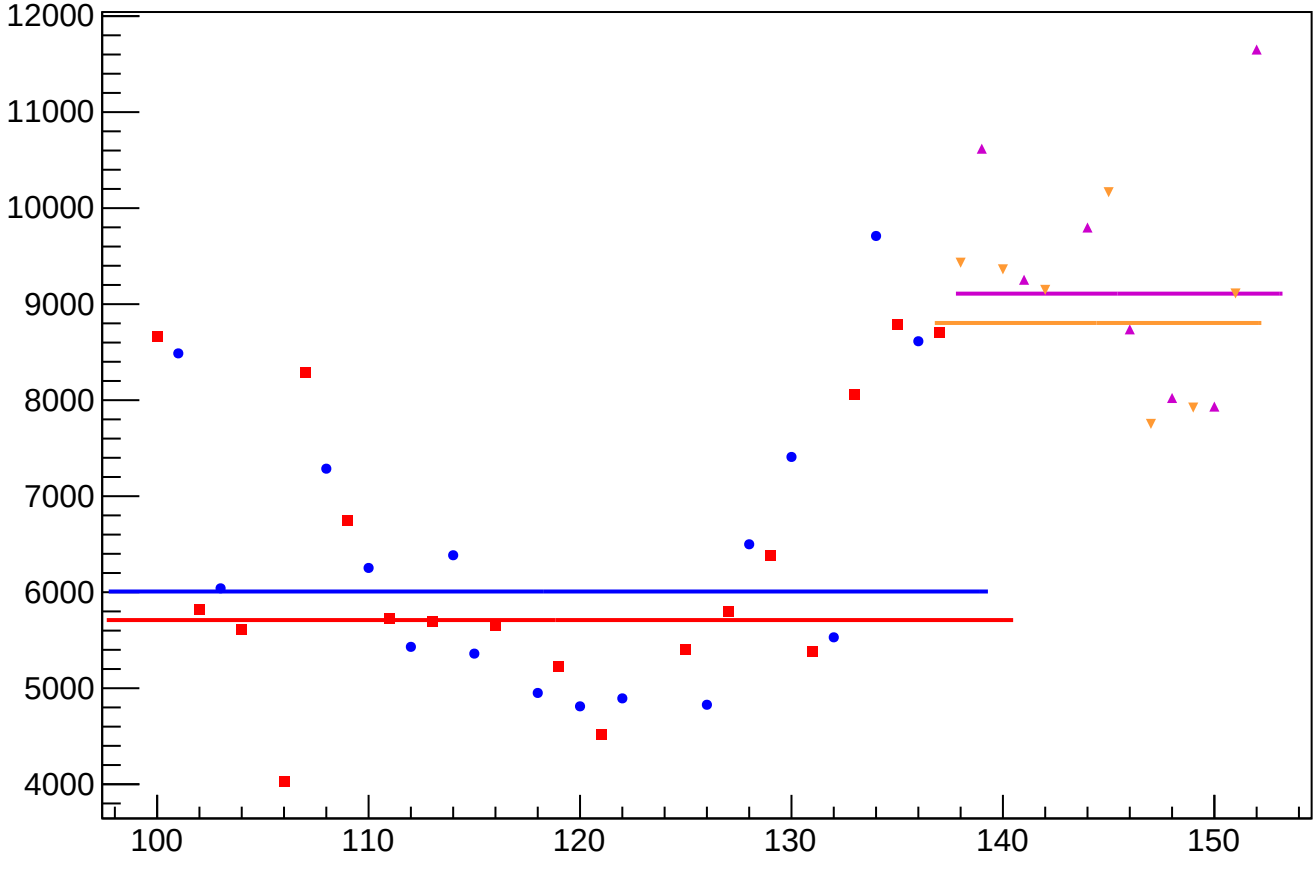
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -84.187+/-1952.796 χ^2/NDF:17.9/22

Out: 1638.929+/-1875.904 χ^2/NDF:28.5/24

All: 811.963+/-1352.831 χ^2/NDF: 46.8/47

asym_atl2_dit_correction_rms vs Slug, Sign Corrected



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 8804.145+/-2.711 χ^2/NDF:95777.5/6

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9109.557+/-2.630 χ^2/NDF:198591.0/6

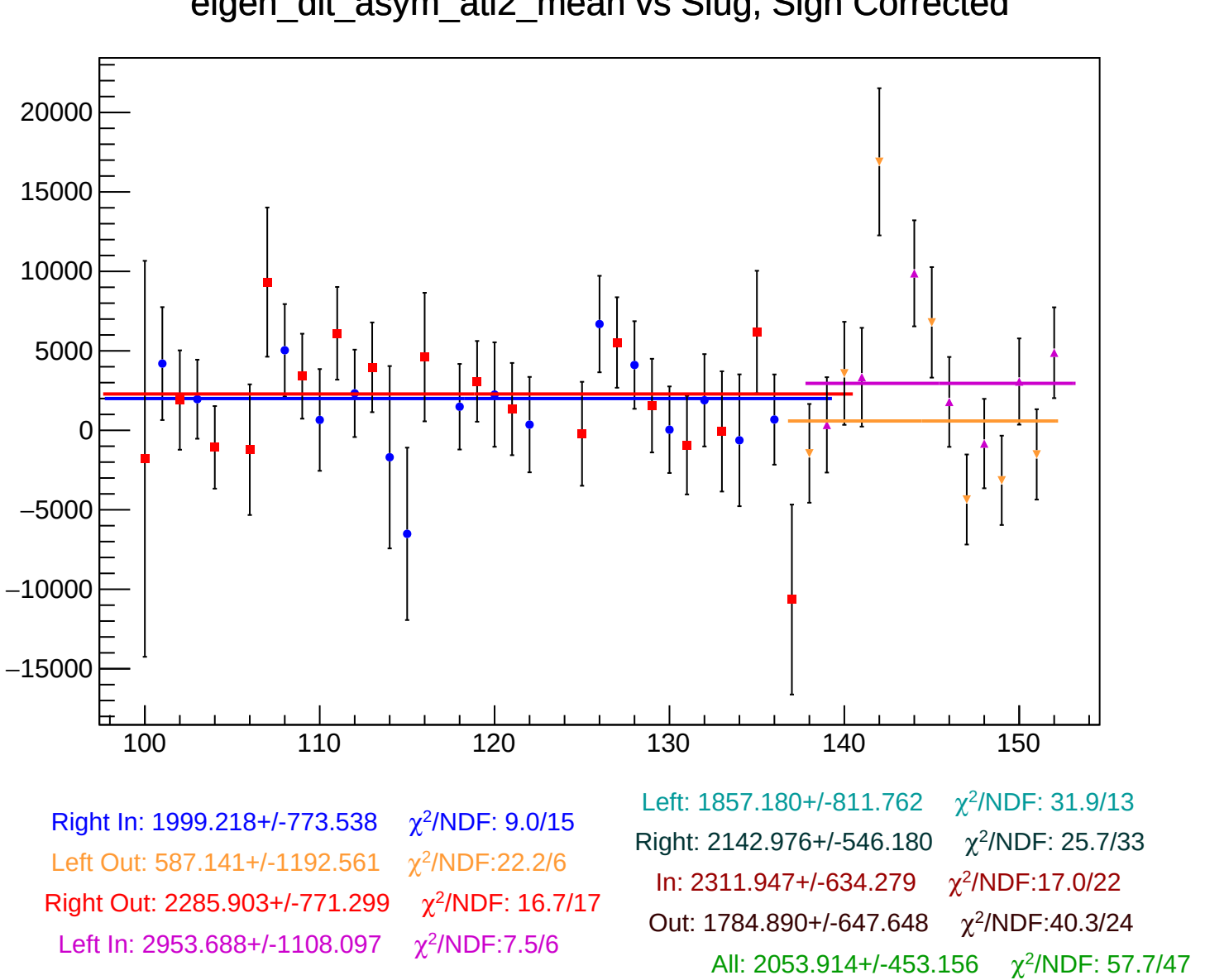
Left: 8961.519+/-1.888 χ^2/NDF: 300906.9/13

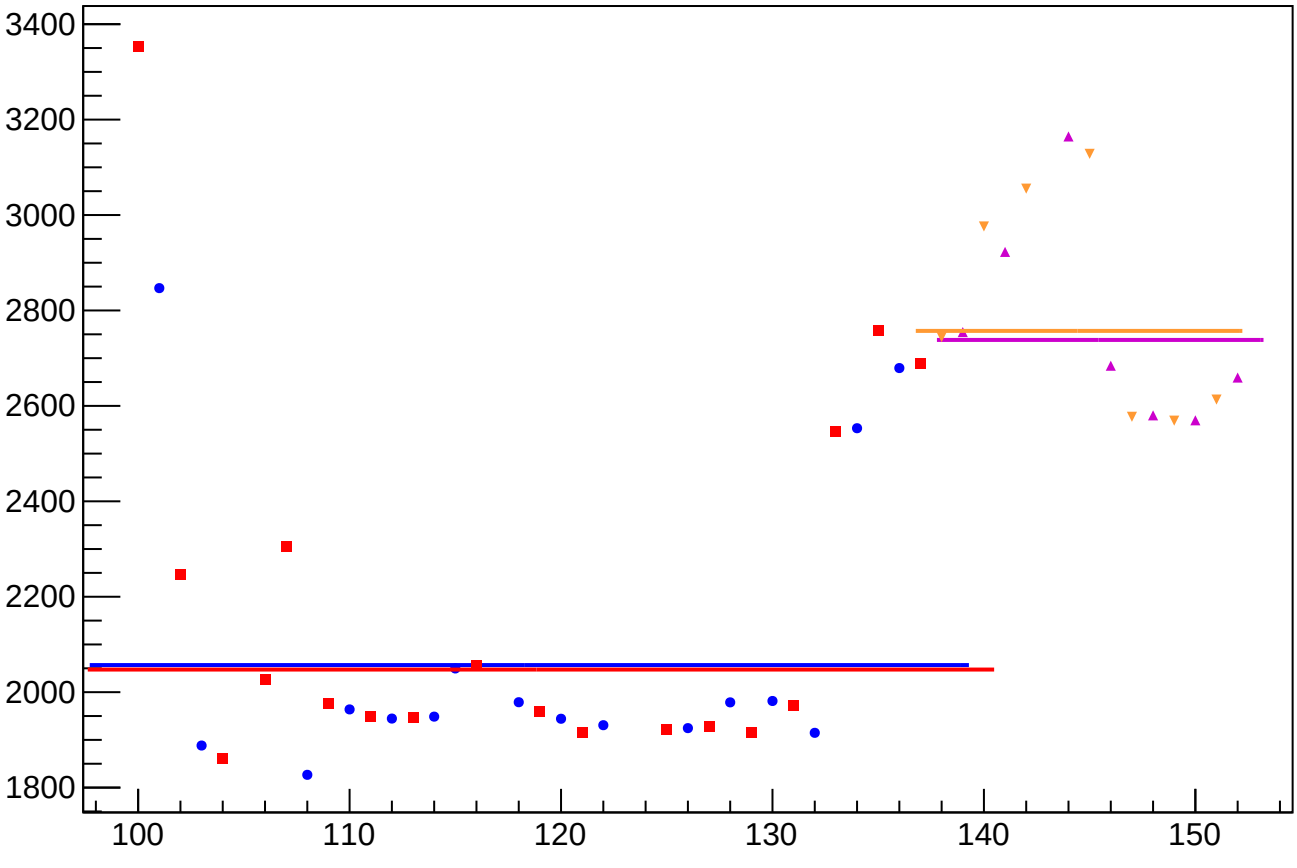
Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 6862.792+/-1.381 χ^2/NDF:1860508.0/22

Out: 6450.520+/-1.326 χ^2/NDF:1622398.8/24

All: 6648.380+/-0.957 χ^2/NDF: 3529267.4/47


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: 2953.688+/-1108.097 χ²/NDF:7.5/6
Left: 1857.180+/-811.762 χ²/NDF: 31.9/13
Right: 2142.976+/-546.180 χ²/NDF: 25.7/33
In: 2311.947+/-634.279 χ²/NDF:17.0/22
Out: 1784.890+/-647.648 χ²/NDF:40.3/24
All: 2053.914+/-453.156 χ²/NDF: 57.7/47



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: 2738.235+/-0.784 χ^2/NDF:56080.7/6

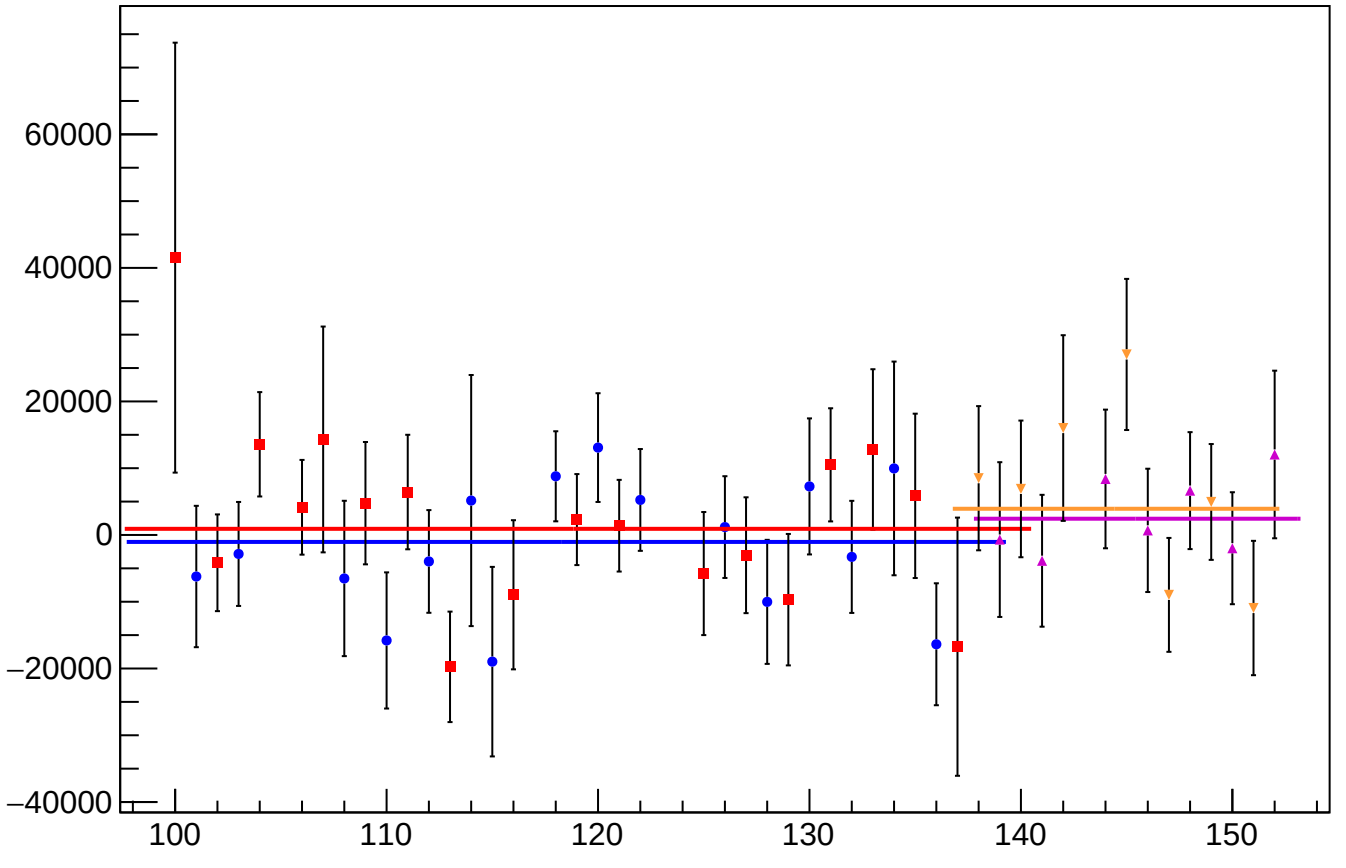
Left: 2747.012+/-0.574 χ^2/NDF: 118741.4/13

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2280.067+/-0.449 χ^2/NDF:835076.8/22

Out: 2256.288+/-0.457 χ^2/NDF:758871.7/24

All: 2268.413+/-0.320 χ^2/NDF: 1595326.1/47



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: 2433.025+/-3718.874 χ^2/NDF:1.9/6

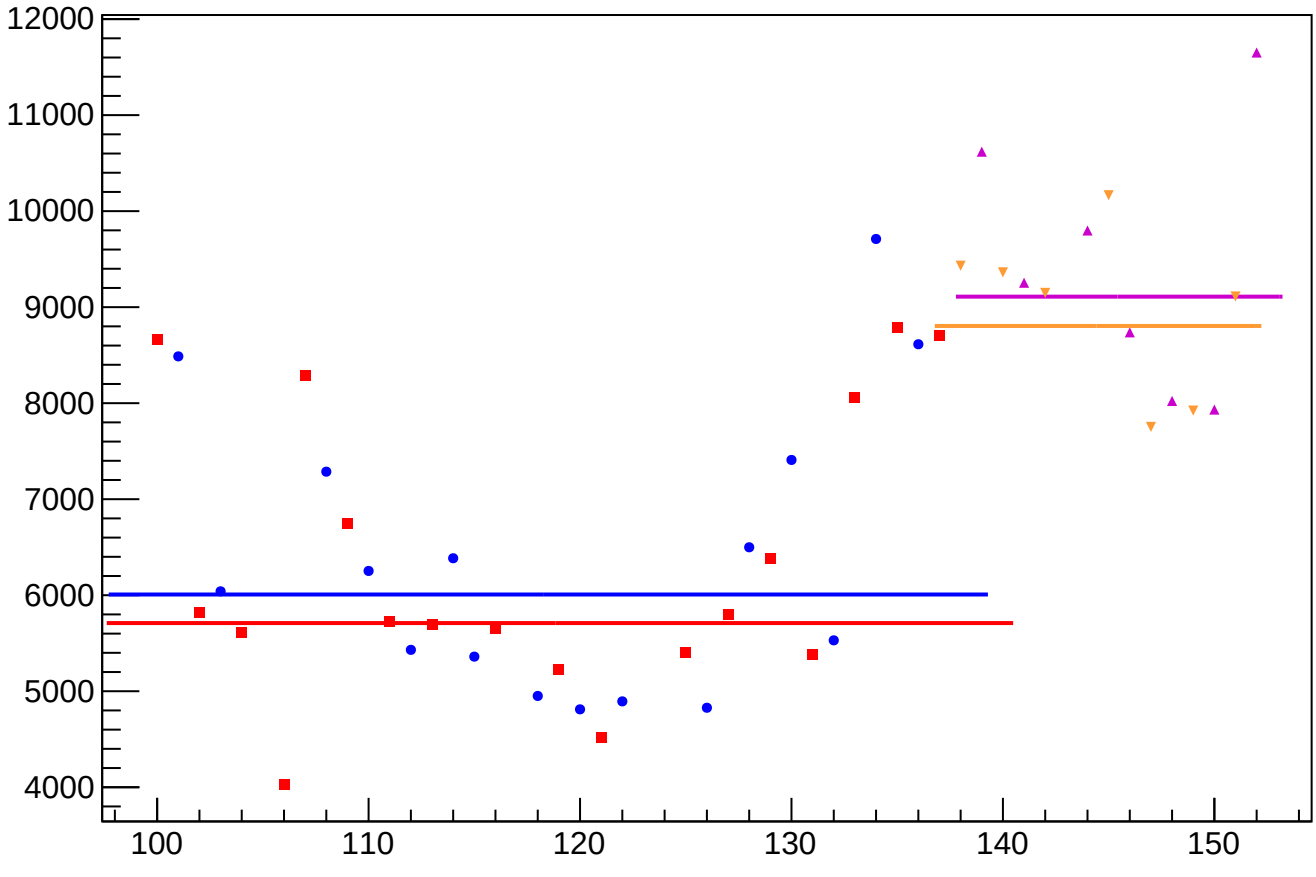
Left: 3156.061+/-2669.531 χ^2/NDF: 11.7/13

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -84.183+/-1952.793 χ^2/NDF:17.9/22

Out: 1638.926+/-1875.901 χ^2/NDF:28.5/24

All: 811.963+/-1352.829 χ^2/NDF: 46.8/47



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: 9109.567+/-2.630 χ^2/NDF:198593.6/6

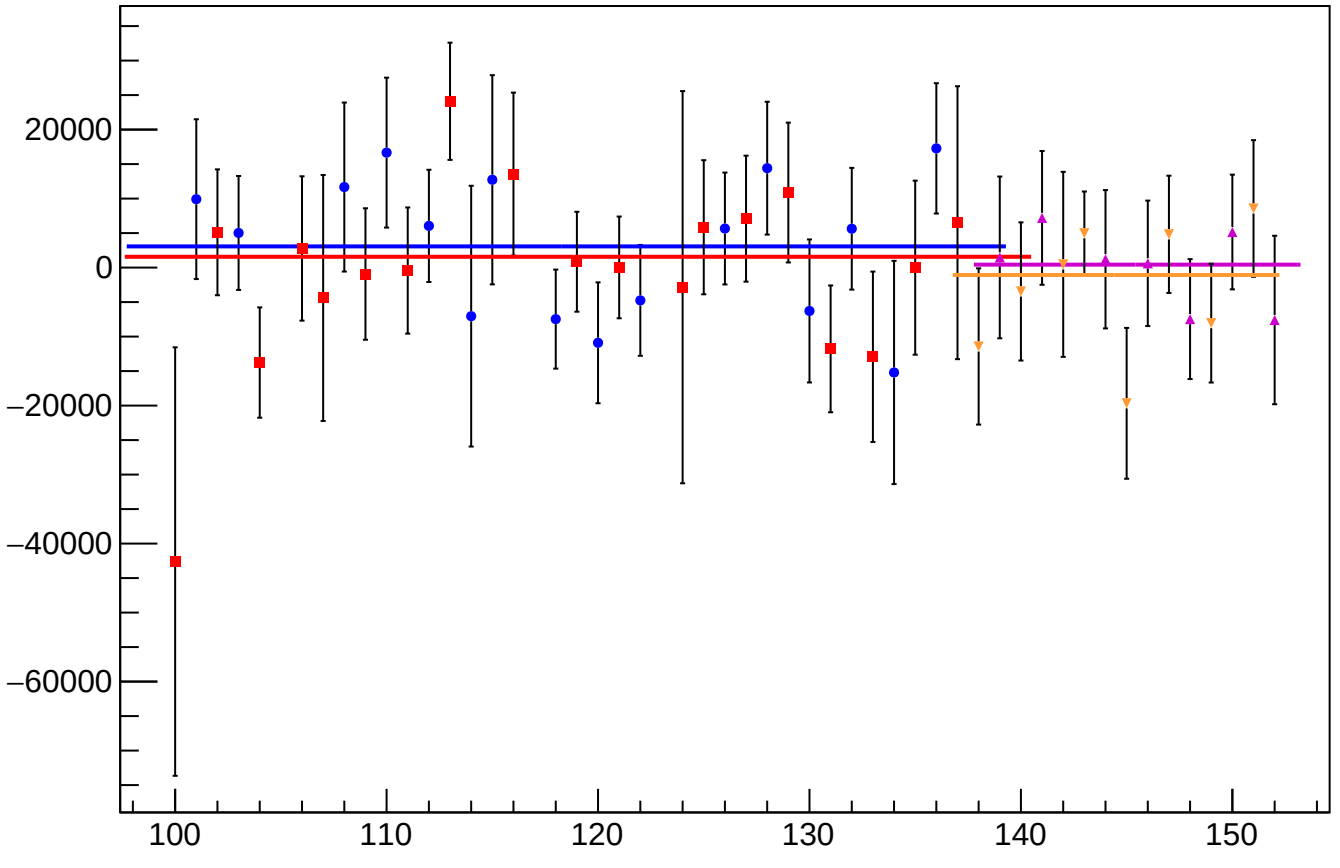
Left: 8961.529+/-1.888 χ^2/NDF: 300911.7/13

Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 6862.775+/-1.381 χ^2/NDF:1860538.1/22

Out: 6450.505+/-1.326 χ^2/NDF:1622421.9/24

All: 6648.364+/-0.957 χ^2/NDF: 3529320.4/47



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: 425.633+/-3666.017 χ^2/NDF:2.1/6

Left: -421.179+/-2417.976 χ^2/NDF: 9.1/14

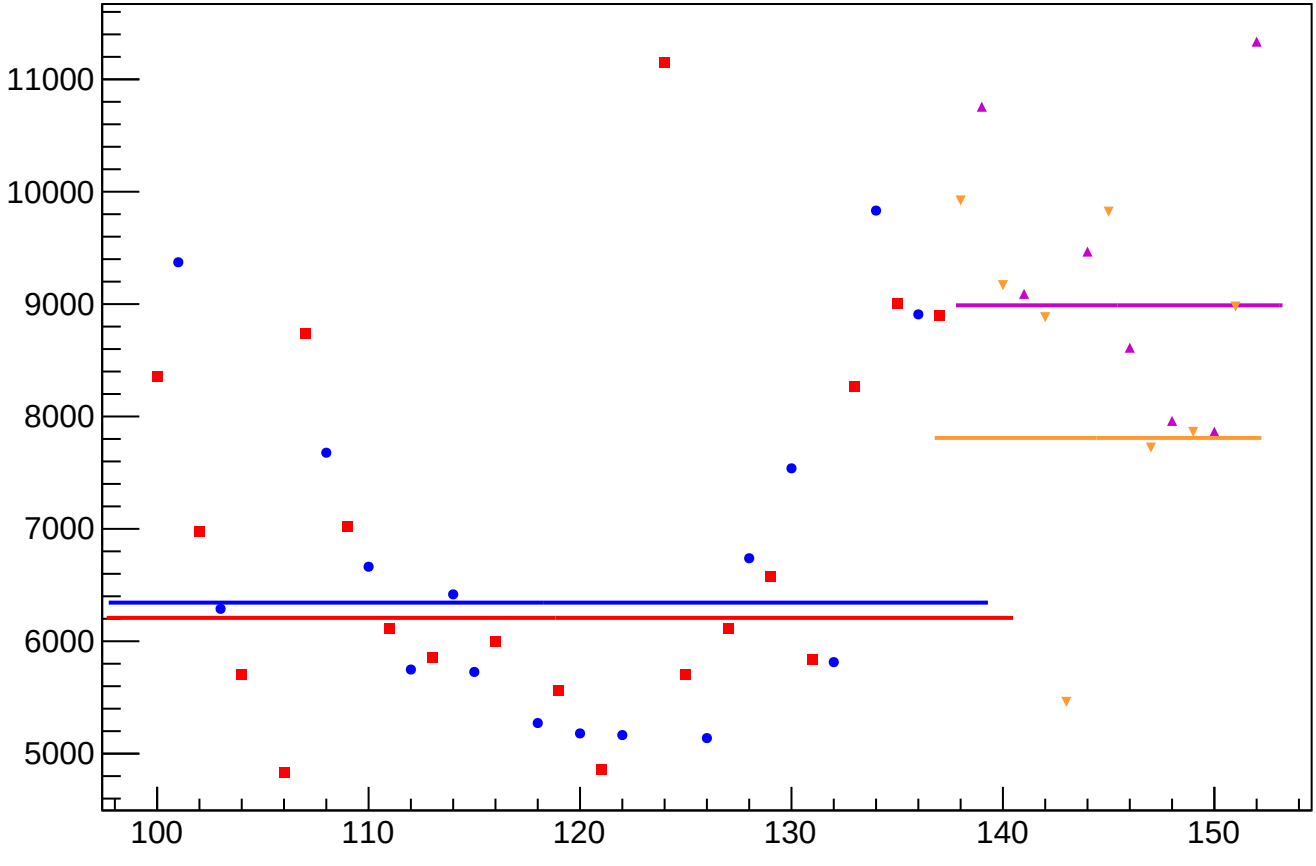
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2267.301+/-2020.065 χ^2/NDF:17.3/22

Out: 655.565+/-1890.142 χ^2/NDF:26.5/26

All: 1407.939+/-1380.179 χ^2/NDF: 44.2/49

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: 8989.118+/-2.592 χ^2/NDF:192174.2/6

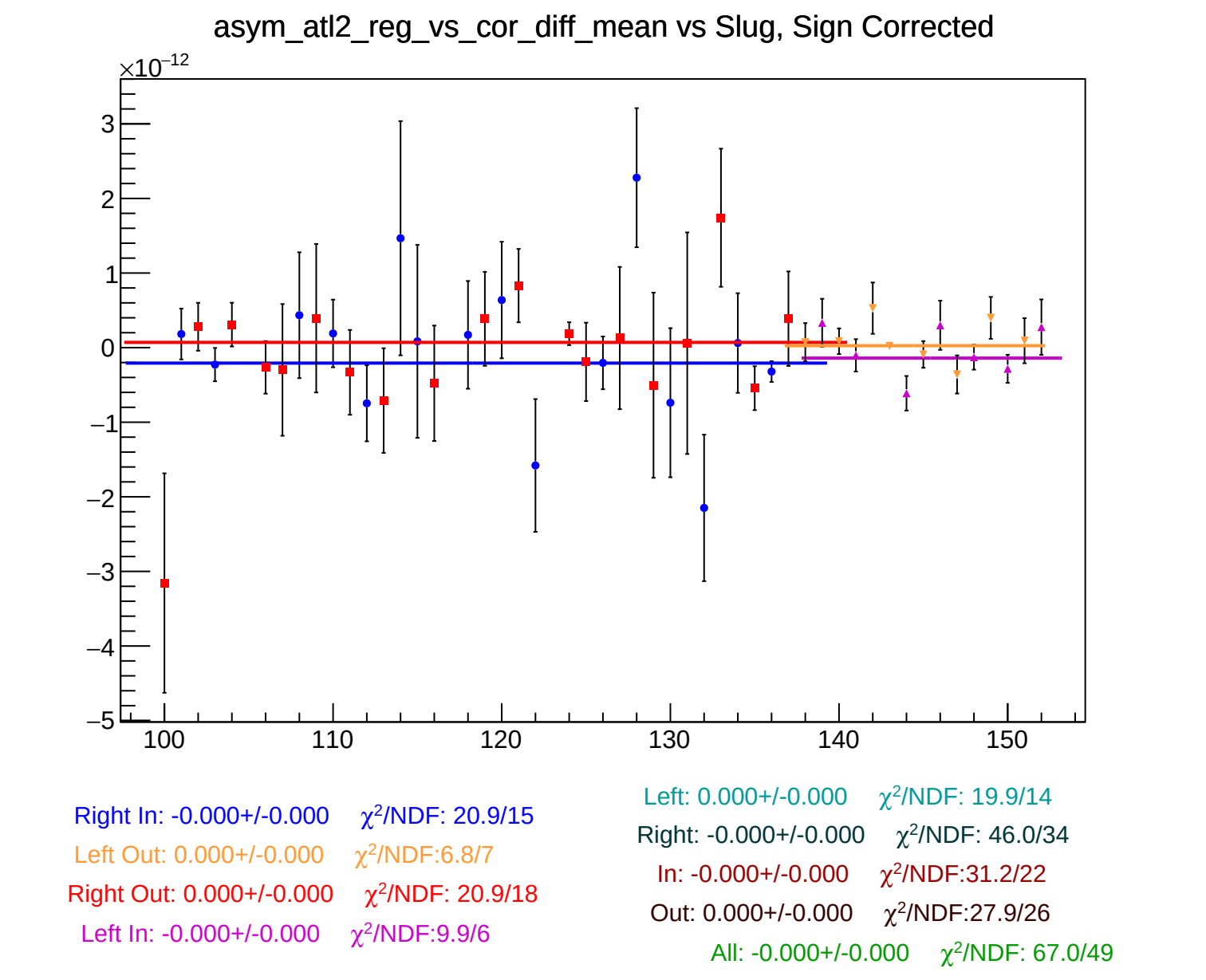
Left: 8322.534+/-1.710 χ^2/NDF: 826562.0/14

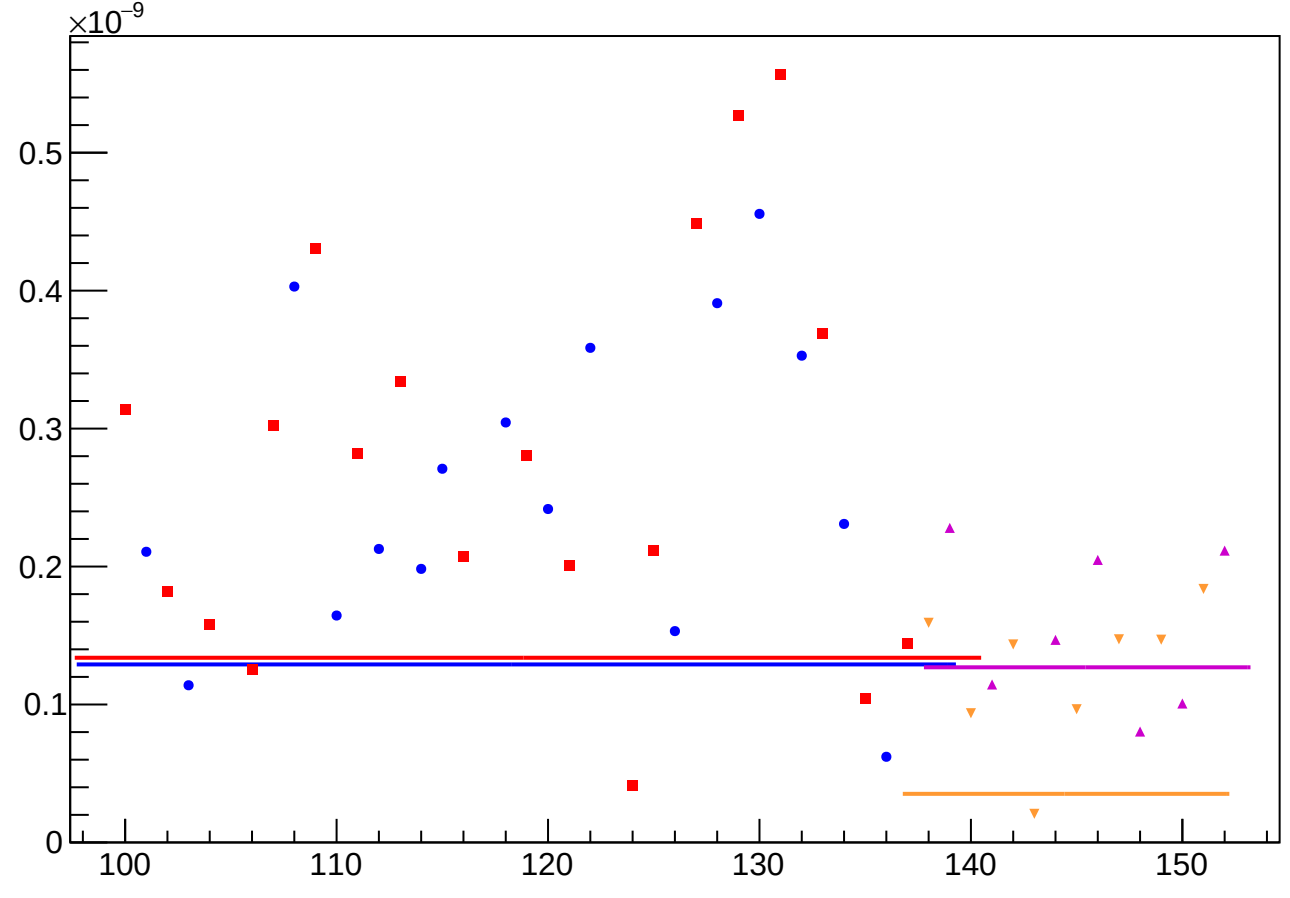
Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7146.988+/-1.428 χ^2/NDF:1538584.1/22

Out: 6760.875+/-1.337 χ^2/NDF:1313618.8/26

All: 6941.116+/-0.976 χ^2/NDF: 2891162.2/49


asym_atl2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/18
Left In: -0.000+/-0.000 χ²/NDF:9.9/6
Left: 0.000+/-0.000 χ²/NDF: 19.9/14
Right: -0.000+/-0.000 χ²/NDF: 46.0/34
In: -0.000+/-0.000 χ²/NDF:31.2/22
Out: 0.000+/-0.000 χ²/NDF:27.9/26
All: -0.000+/-0.000 χ²/NDF: 67.0/49



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:627665.7/6

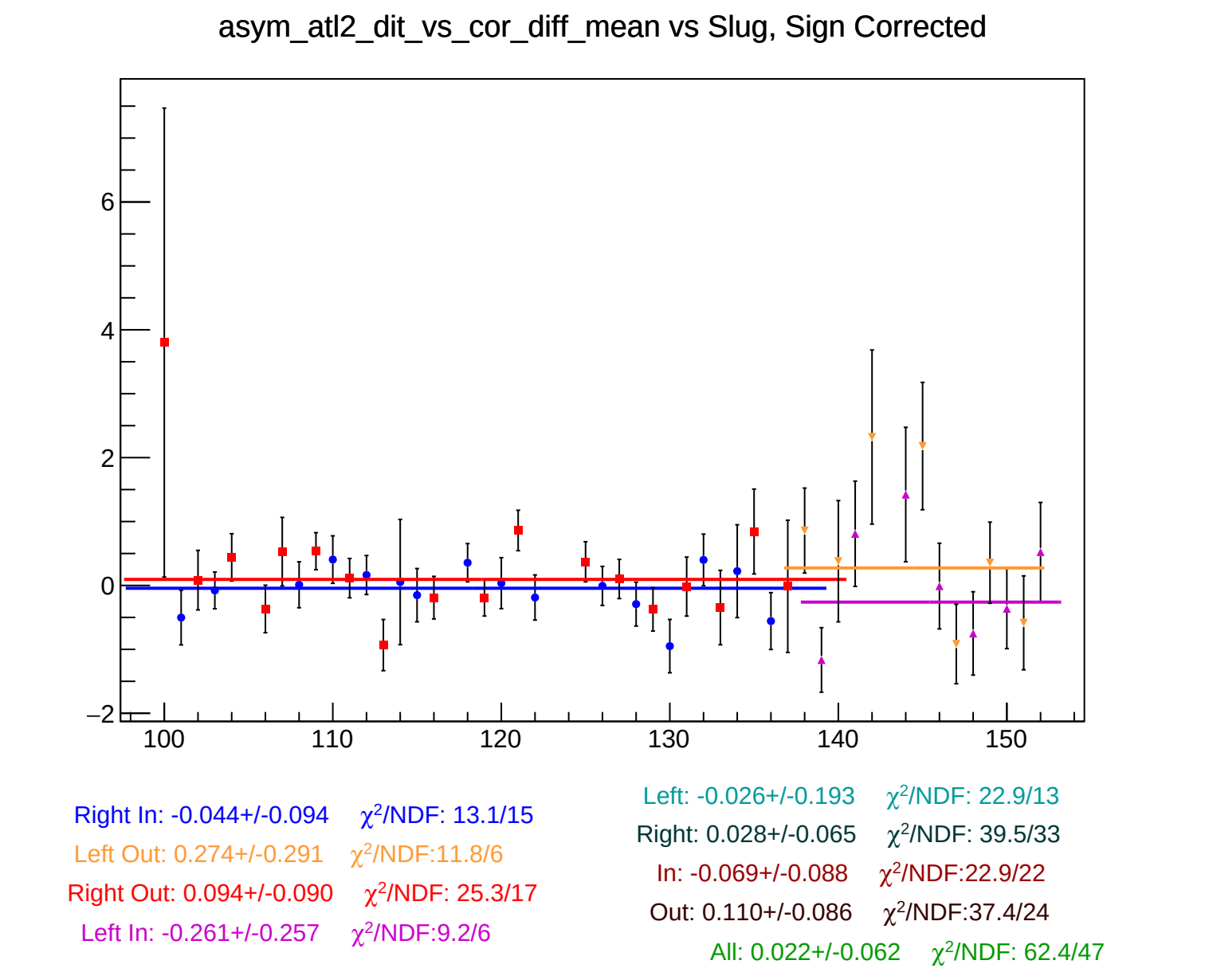
Left: 0.000+/-0.000 χ^2/NDF: 5192894.9/14

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:2348506.5/22

Out: 0.000+/-0.000 χ^2/NDF:6850423.5/26

All: 0.000+/-0.000 χ^2/NDF: 11830164.0/49


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
6
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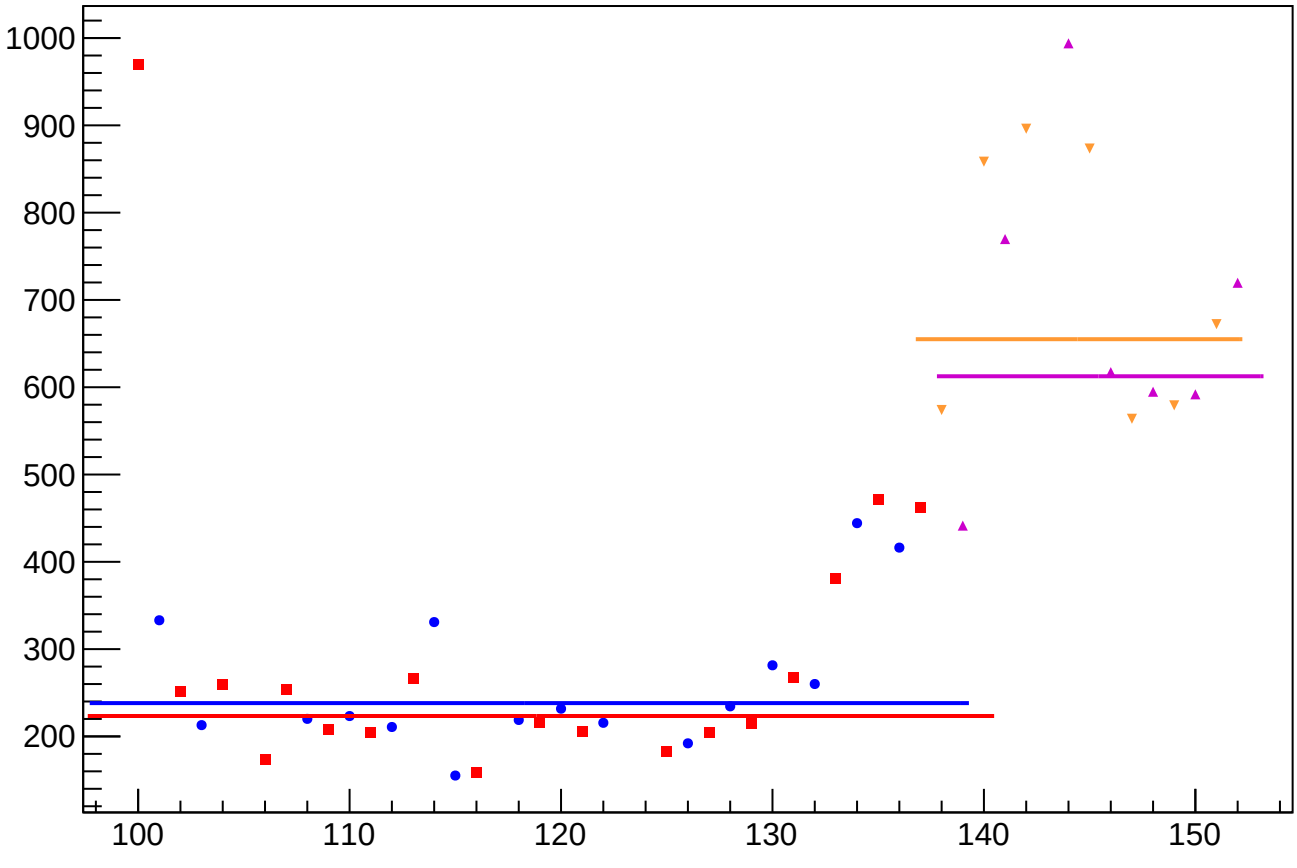
130
140
150
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: 0.274+/-0.291 χ²/NDF:11.8/6
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.261+/-0.257 χ²/NDF:9.2/6
Left: -0.026+/-0.193 χ²/NDF: 22.9/13
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.069+/-0.088 χ²/NDF:22.9/22
Out: 0.110+/-0.086 χ²/NDF:37.4/24
All: 0.022+/-0.062 χ²/NDF: 62.4/47



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: 612.564+/-0.182 χ^2/NDF:607275.5/6

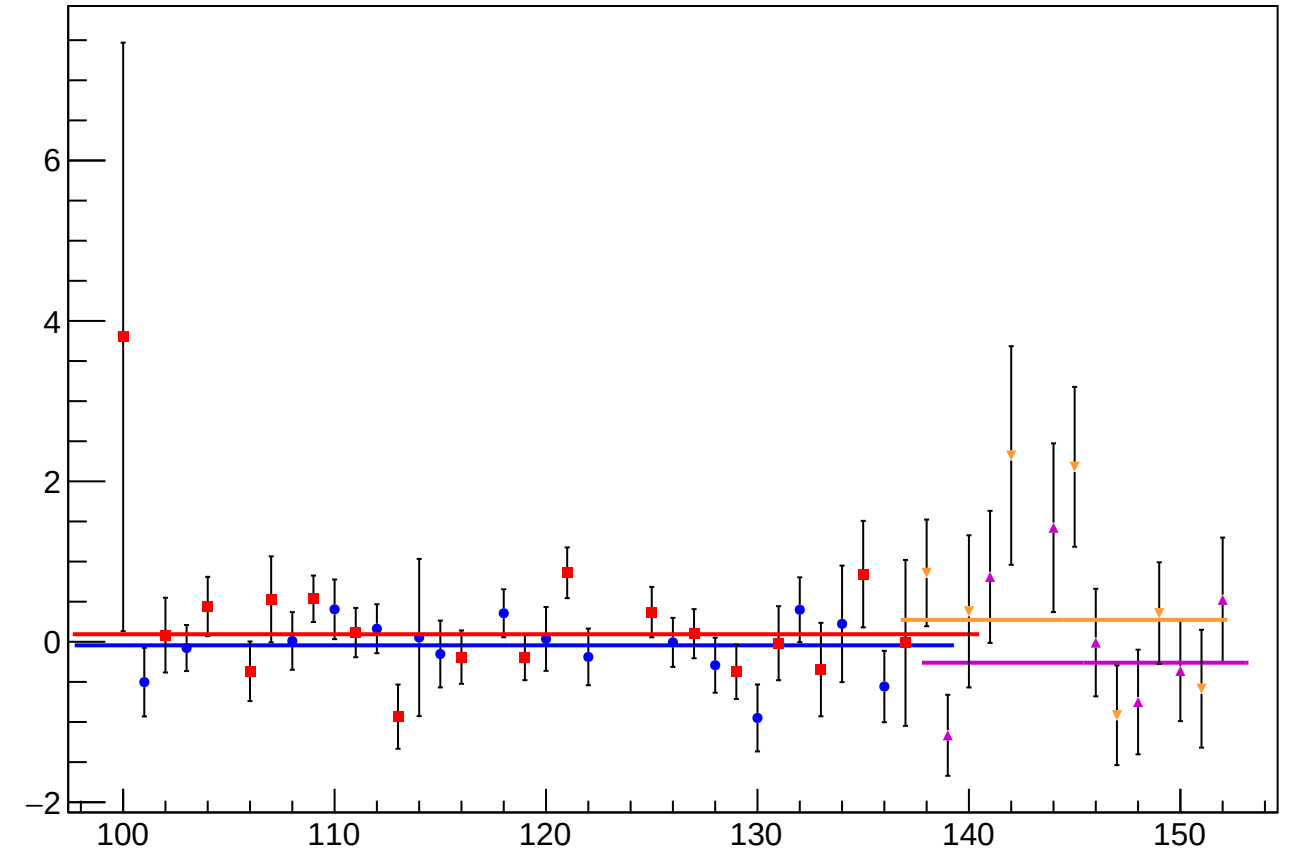
Left: 631.236+/-0.136 χ^2/NDF: 984205.1/13

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 282.058+/-0.062 χ^2/NDF:5150081.6/22

Out: 261.203+/-0.061 χ^2/NDF:5242575.7/24

All: 271.375+/-0.044 χ^2/NDF: 10450023.6/47



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: -0.261+/-0.257 χ^2/NDF:9.2/6

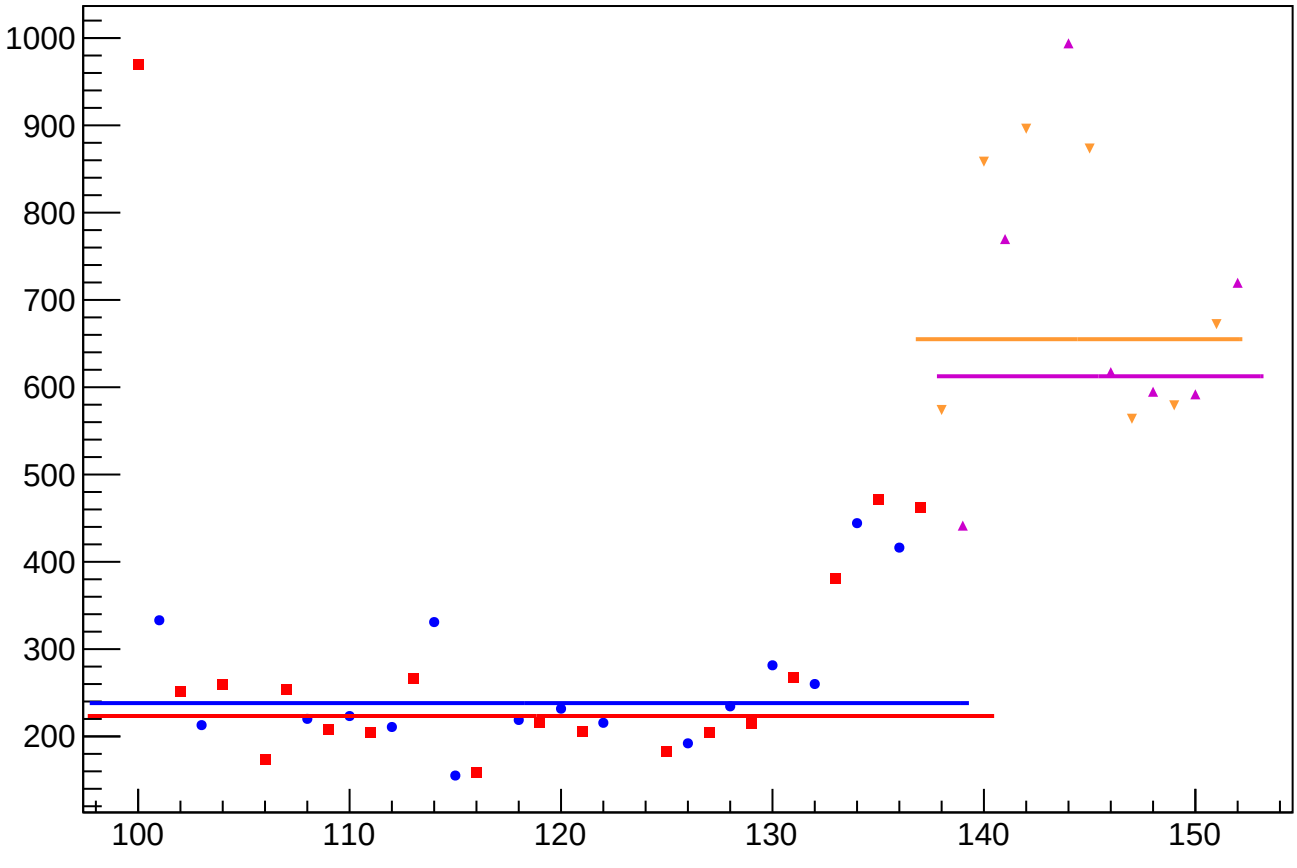
Left: -0.026+/-0.193 χ^2/NDF: 22.9/13

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.069+/-0.088 χ^2/NDF:22.9/22

Out: 0.110+/-0.086 χ^2/NDF:37.4/24

All: 0.022+/-0.062 χ^2/NDF: 62.4/47



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: 612.564+/-0.182 χ^2/NDF:607275.5/6

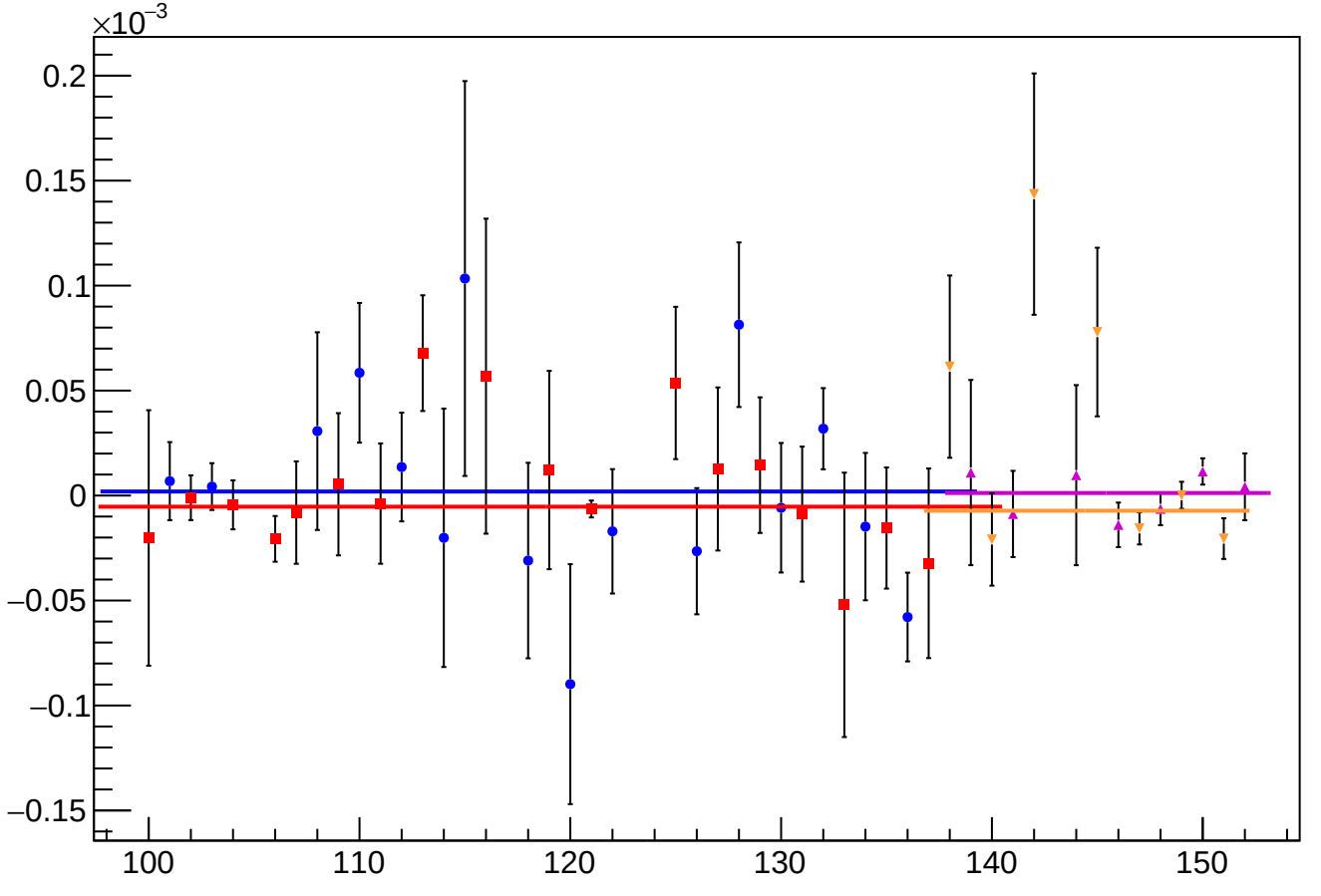
Left: 631.236+/-0.136 χ^2/NDF: 984205.1/13

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 282.058+/-0.062 χ^2/NDF:5150081.6/22

Out: 261.203+/-0.061 χ^2/NDF:5242575.7/24

All: 271.375+/-0.044 χ^2/NDF: 10450023.6/47



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:6.0/6

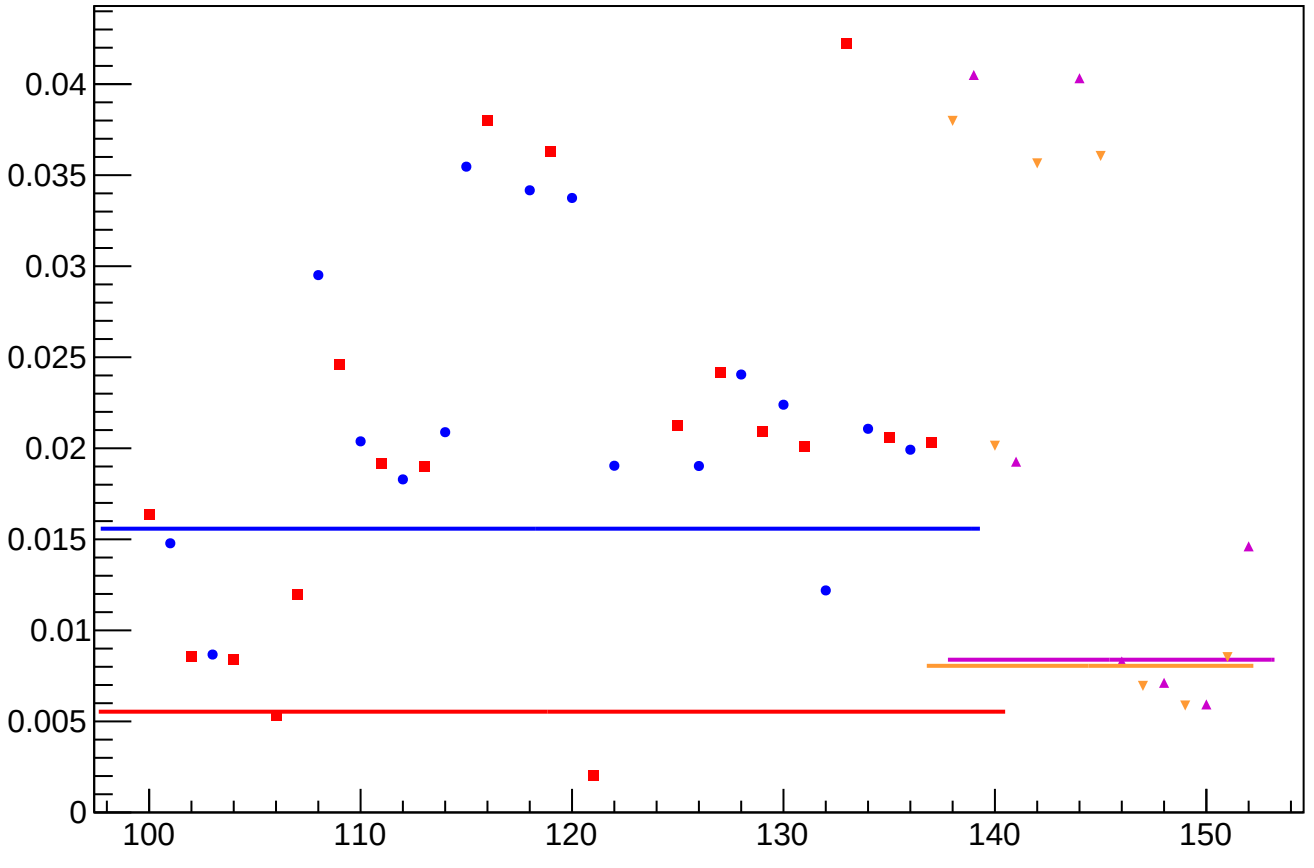
Left: -0.000+/-0.000 χ^2/NDF: 26.7/13

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:30.1/22

Out: -0.000+/-0.000 χ^2/NDF:33.3/24

All: -0.000+/-0.000 χ^2/NDF: 66.4/47



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:3395230.7/6

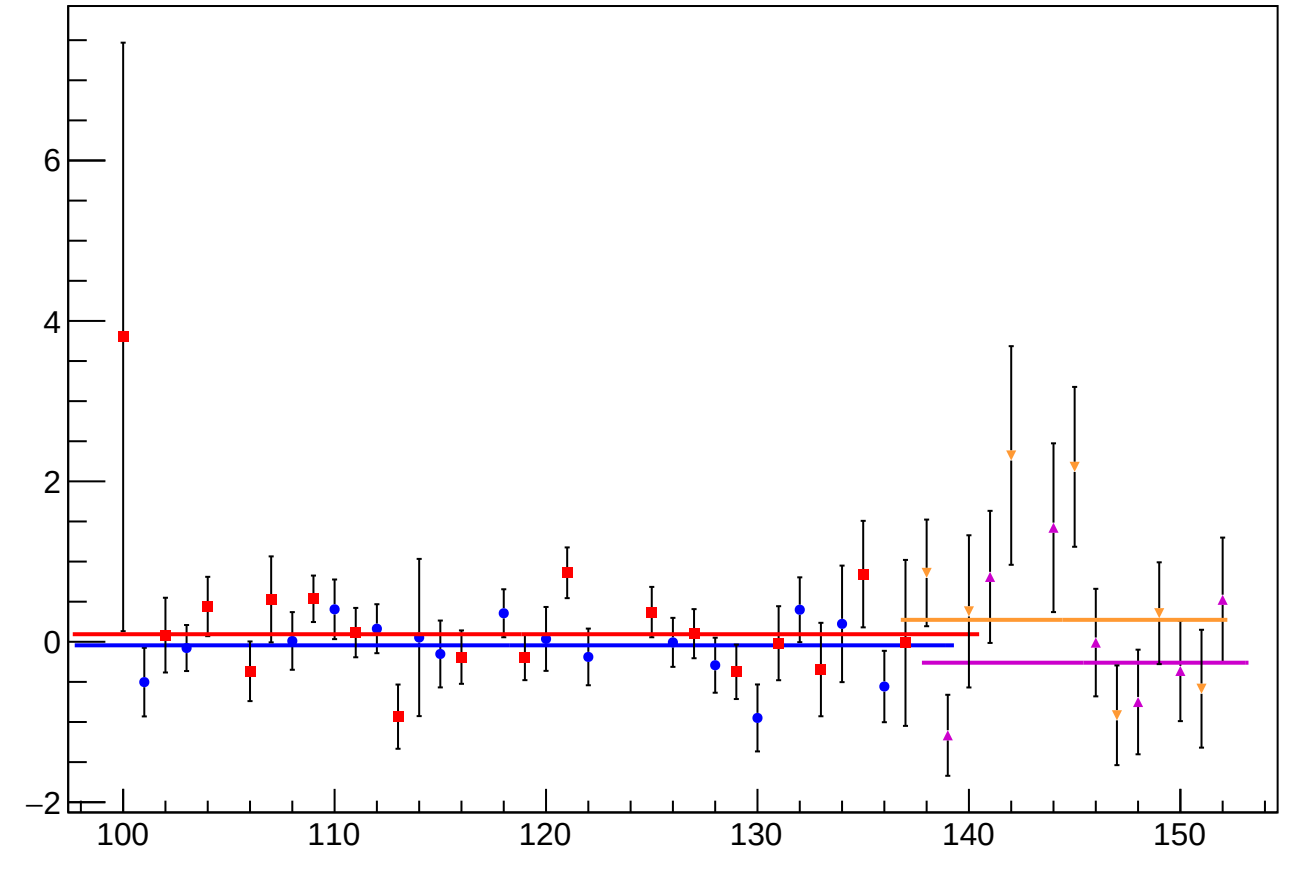
Left: 0.008+/-0.000 χ^2/NDF: 6664239.8/13

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:7259968.7/22

Out: 0.006+/-0.000 χ^2/NDF:11666490.3/24

All: 0.008+/-0.000 χ^2/NDF: 20716767.4/47



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: -0.261+/-0.257 χ^2/NDF:9.2/6

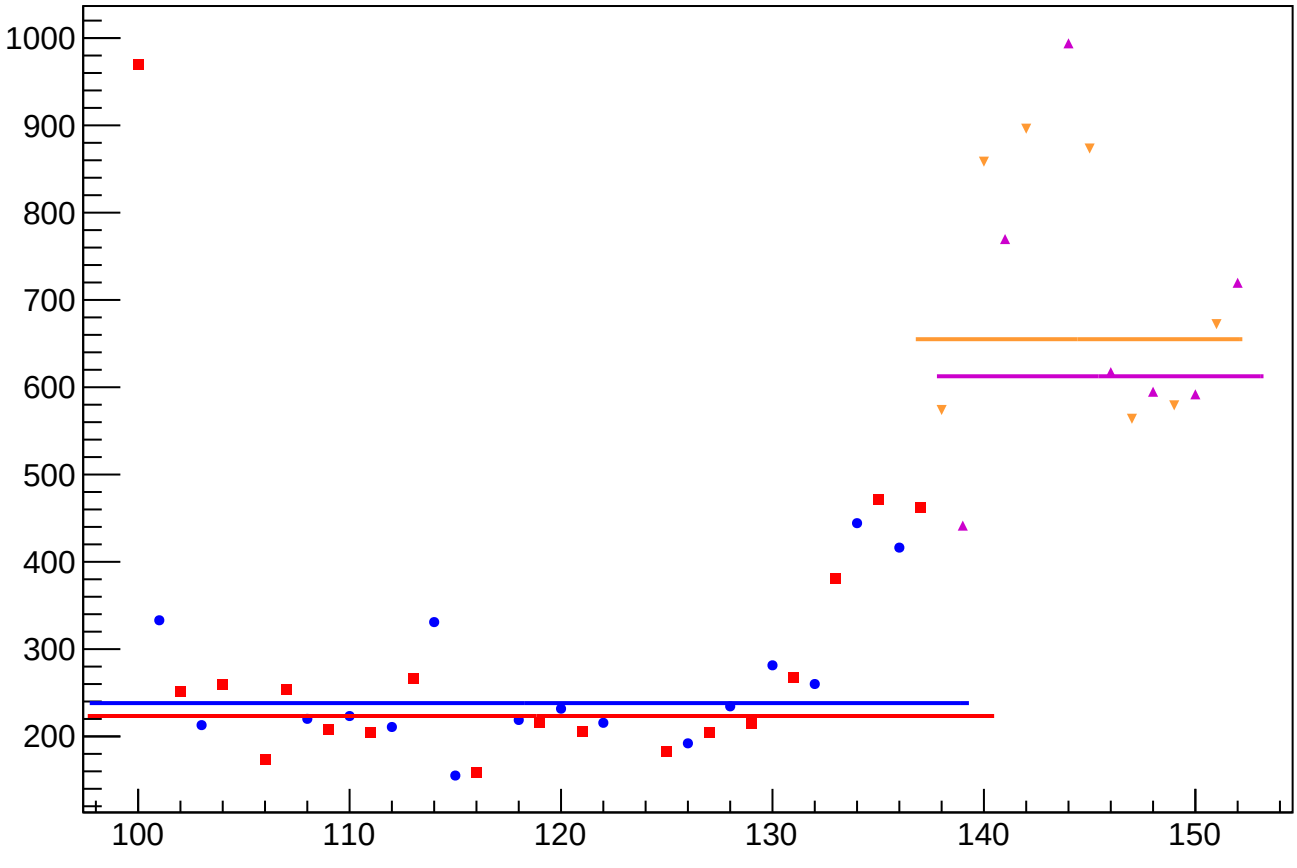
Left: -0.026+/-0.193 χ^2/NDF: 22.9/13

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.069+/-0.088 χ^2/NDF:22.9/22

Out: 0.110+/-0.086 χ^2/NDF:37.4/24

All: 0.022+/-0.062 χ^2/NDF: 62.4/47



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: 612.572+/-0.182 χ^2/NDF:607256.3/6

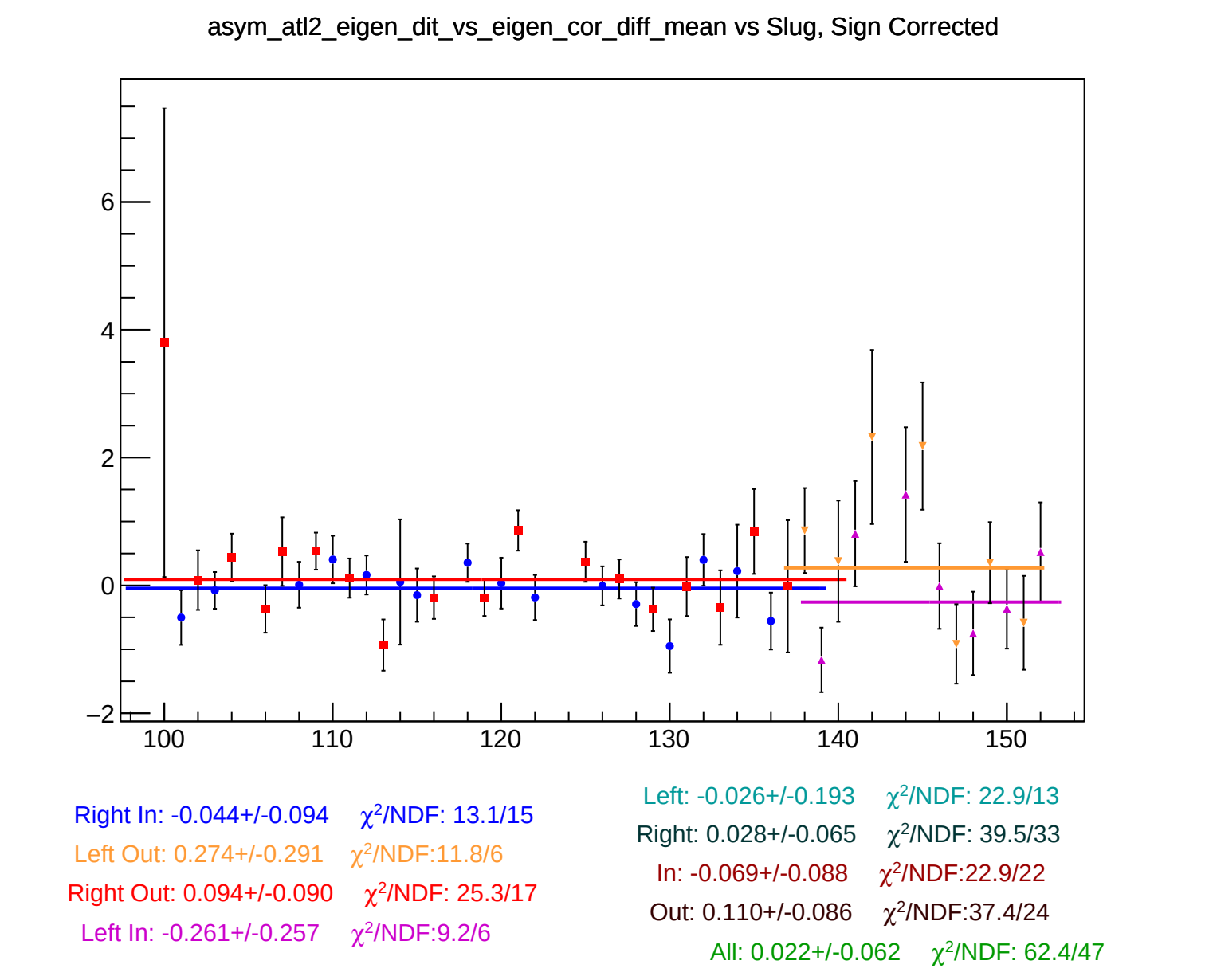
Left: 631.242+/-0.136 χ^2/NDF: 984209.4/13

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 282.058+/-0.062 χ^2/NDF:5150092.8/22

Out: 261.204+/-0.061 χ^2/NDF:5242535.6/24

All: 271.376+/-0.044 χ^2/NDF: 10449990.0/47


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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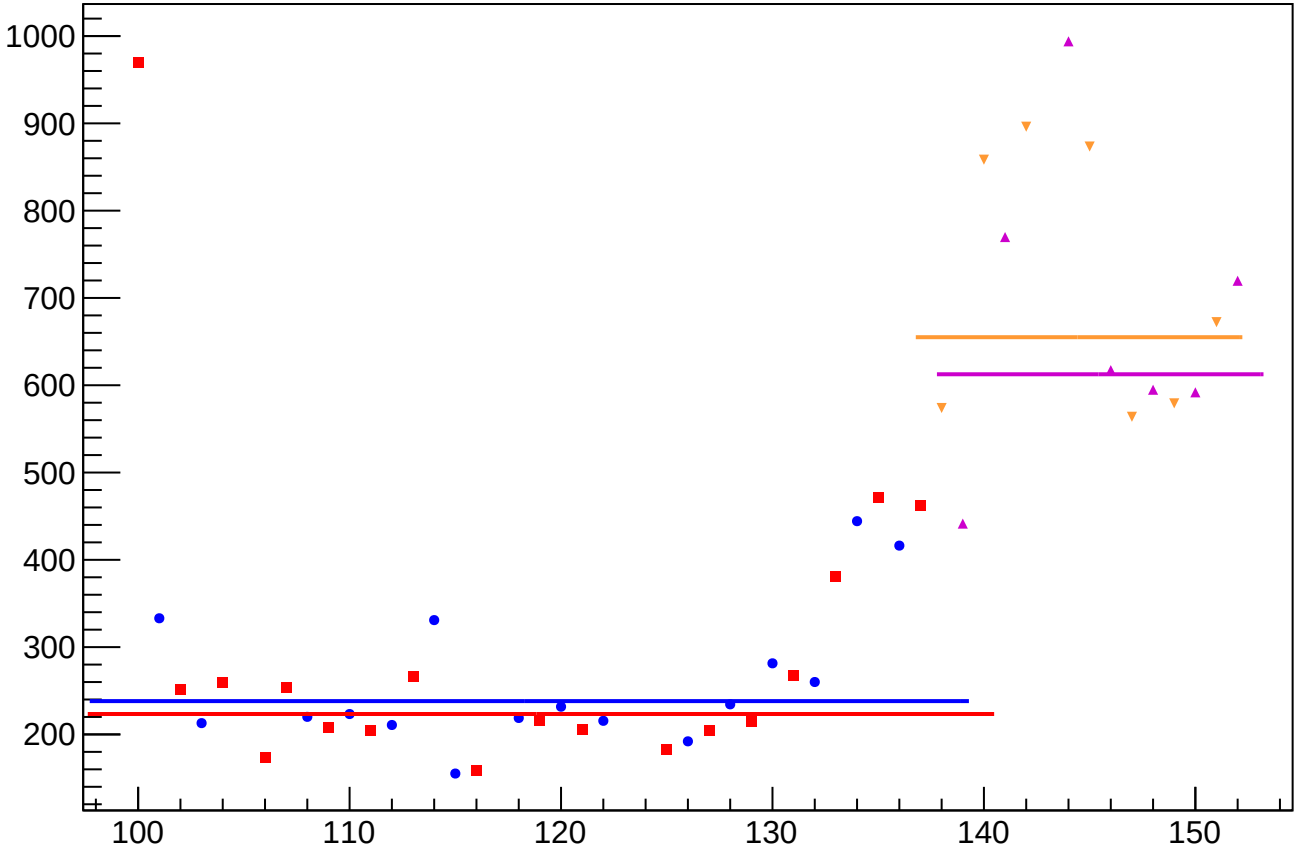
140
150
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: 0.274+/-0.291 χ²/NDF:11.8/6
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.261+/-0.257 χ²/NDF:9.2/6
Left: -0.026+/-0.193 χ²/NDF: 22.9/13
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.069+/-0.088 χ²/NDF:22.9/22
Out: 0.110+/-0.086 χ²/NDF:37.4/24
All: 0.022+/-0.062 χ²/NDF: 62.4/47

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 612.572+/-0.182 χ^2/NDF:607256.3/6

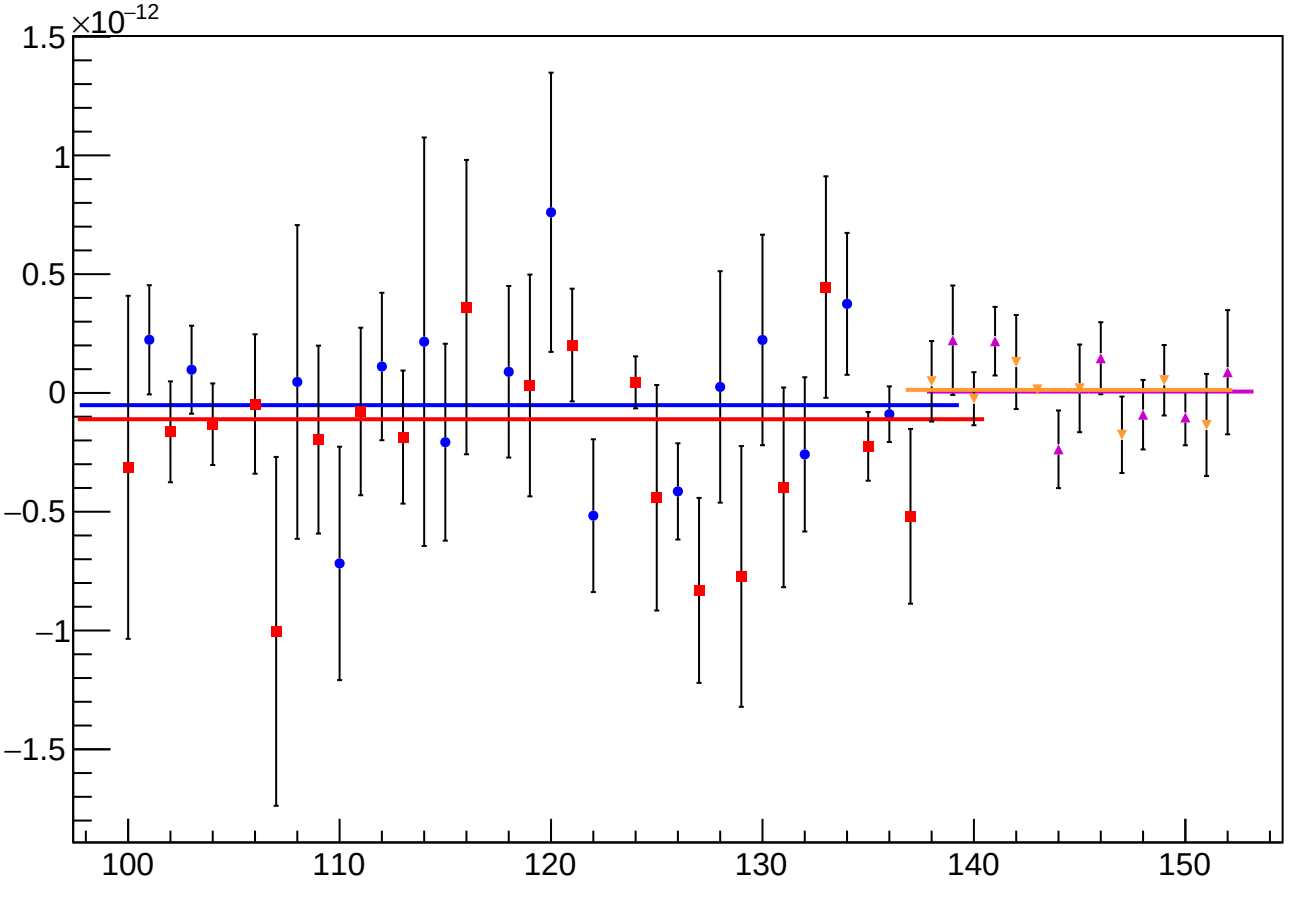
Left: 631.242+/-0.136 χ^2/NDF: 984209.4/13

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 282.058+/-0.062 χ^2/NDF:5150092.8/22

Out: 261.204+/-0.061 χ^2/NDF:5242535.6/24

All: 271.376+/-0.044 χ^2/NDF: 10449990.0/47



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:7.5/6

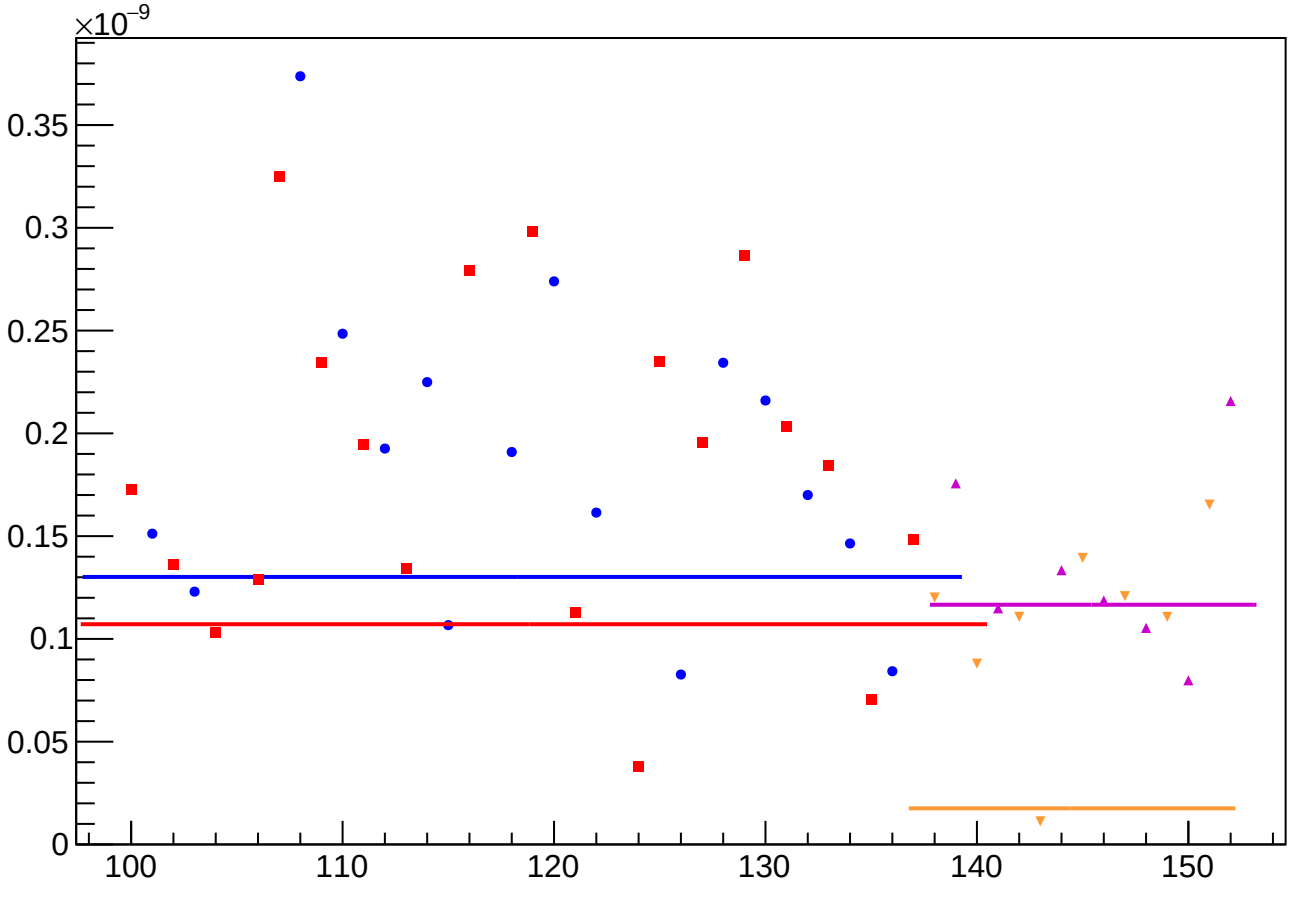
Left: 0.000+/-0.000 χ^2/NDF: 10.0/14

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:22.7/22

Out: 0.000+/-0.000 χ^2/NDF:21.9/26

All: 0.000+/-0.000 χ^2/NDF: 44.9/49



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:649753.6/6

Left: 0.000+/-0.000 χ^2/NDF: 11590217.7/14

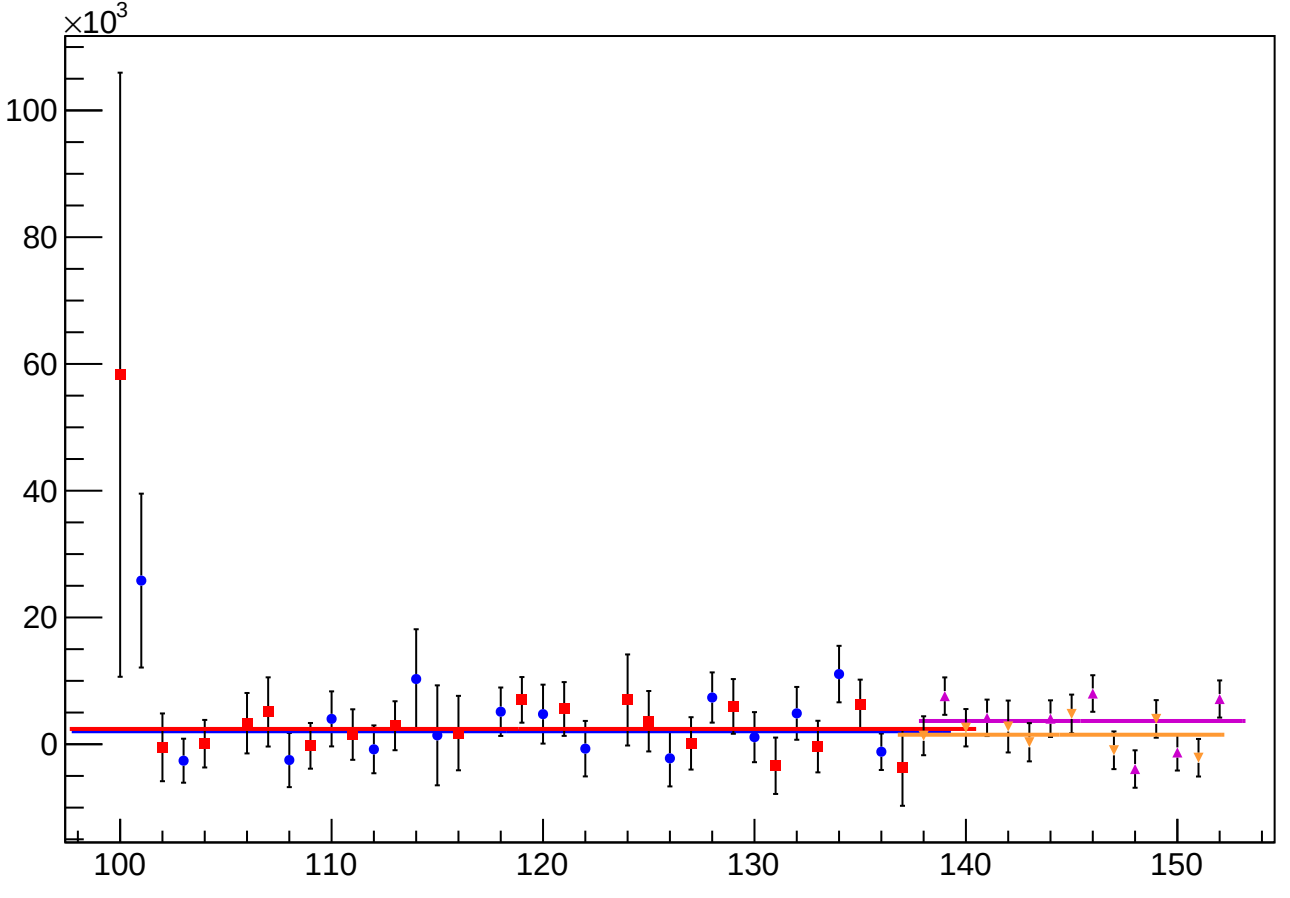
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:2029216.8/22

Out: 0.000+/-0.000 χ^2/NDF:12721224.9/26

All: 0.000+/-0.000 χ^2/NDF: 23751434.6/49

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: 3668.428+/-1097.880 χ^2/NDF:15.1/6

Left: 2579.031+/-774.280 χ^2/NDF: 21.5/14

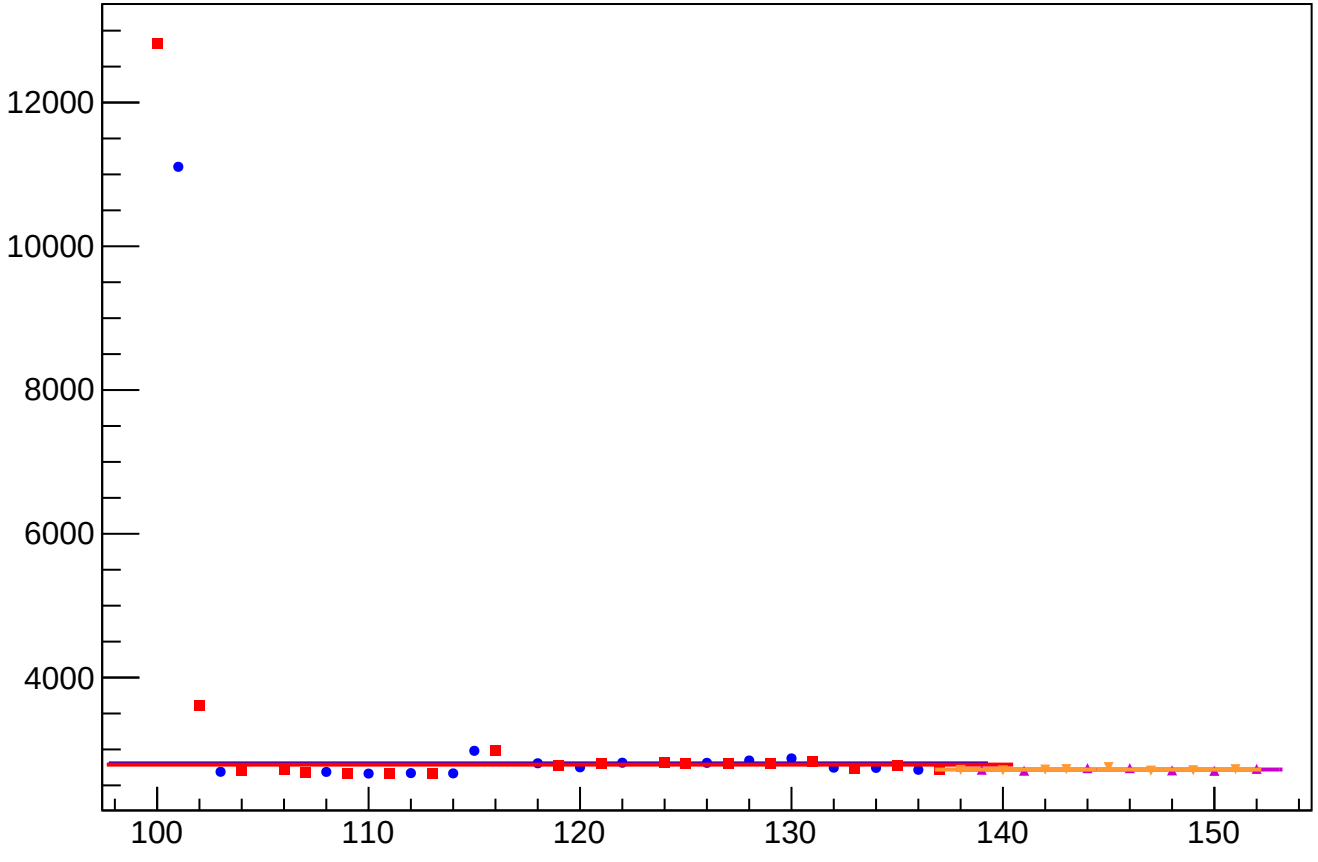
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2838.442+/-766.416 χ^2/NDF:34.0/22

Out: 1980.673+/-751.423 χ^2/NDF:15.6/26

All: 2401.085+/-536.559 χ^2/NDF: 50.2/49

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: 2720.310+/-0.776 χ^2/NDF:373.3/6

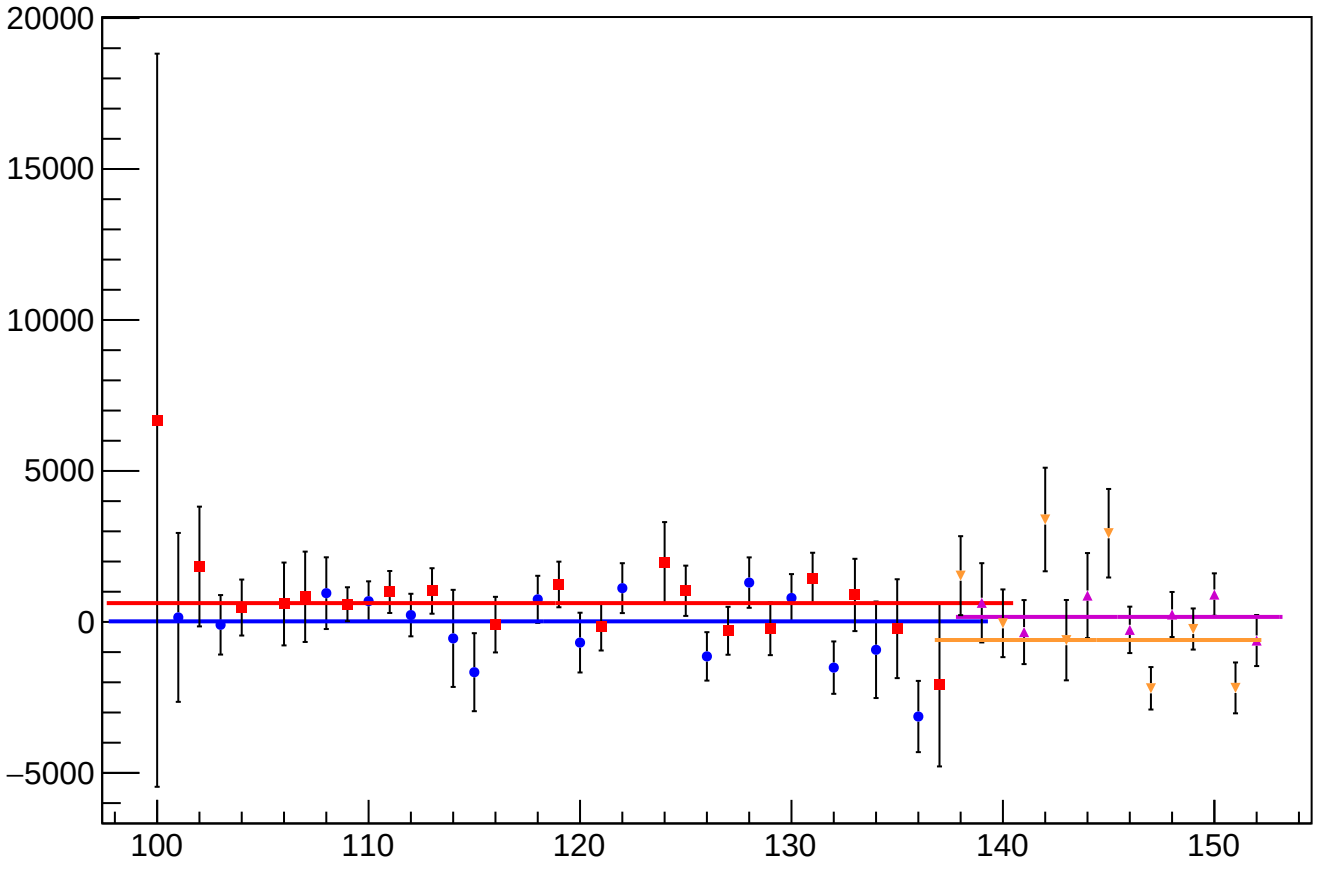
Left: 2720.085+/-0.547 χ^2/NDF: 743.4/14

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2763.957+/-0.542 χ^2/NDF:752779.6/22

Out: 2756.176+/-0.531 χ^2/NDF:151567.3/26

All: 2759.990+/-0.379 χ^2/NDF: 904452.0/49



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: 165.965+/-335.479 χ^2/NDF:2.9/6

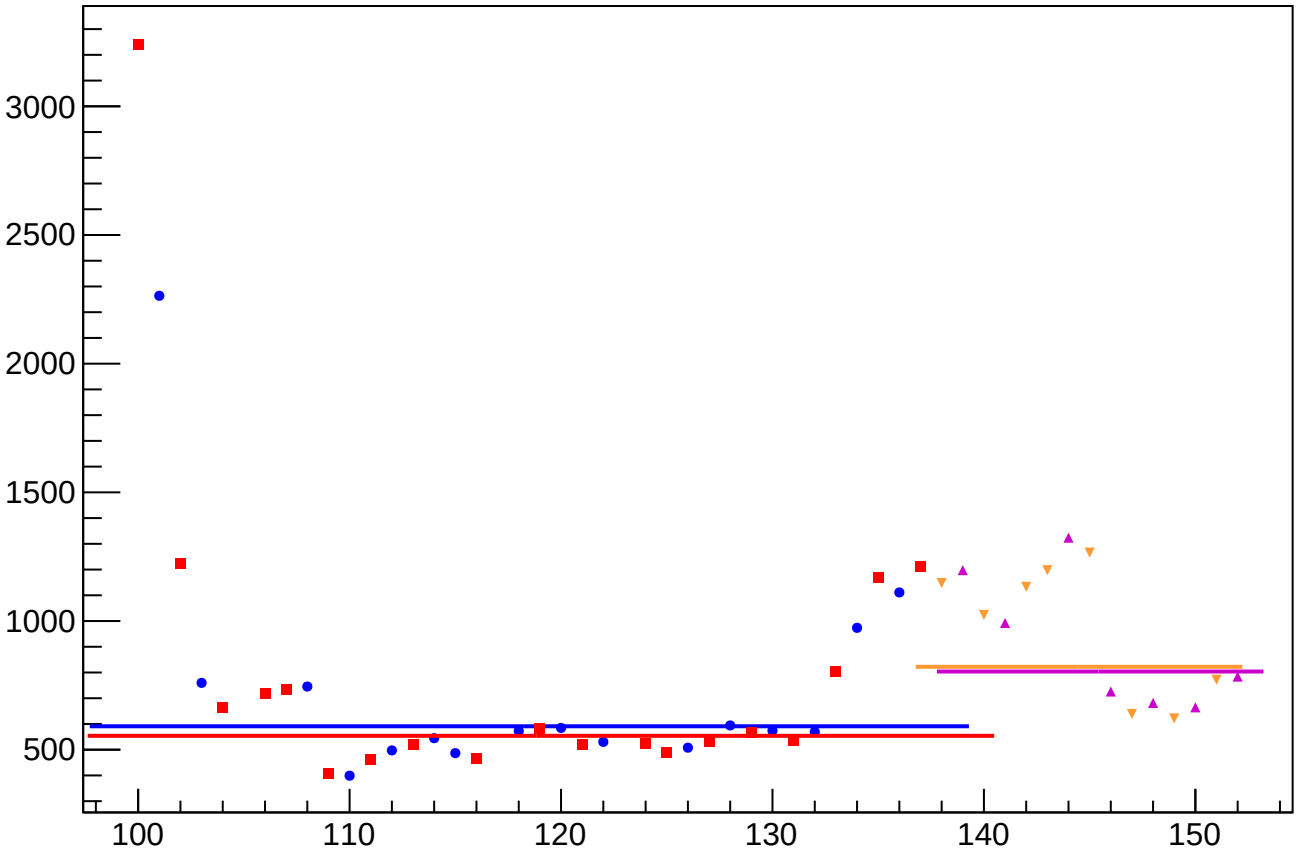
Left: -204.289+/-240.964 χ^2/NDF: 28.5/14

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 66.944+/-191.639 χ^2/NDF:25.8/22

Out: 281.010+/-183.244 χ^2/NDF:41.4/26

All: 178.768+/-132.441 χ^2/NDF: 67.8/49



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: 803.781+/-0.237 χ^2/NDF:669538.6/6

Left: 812.653+/-0.170 χ^2/NDF: 1585506.8/14

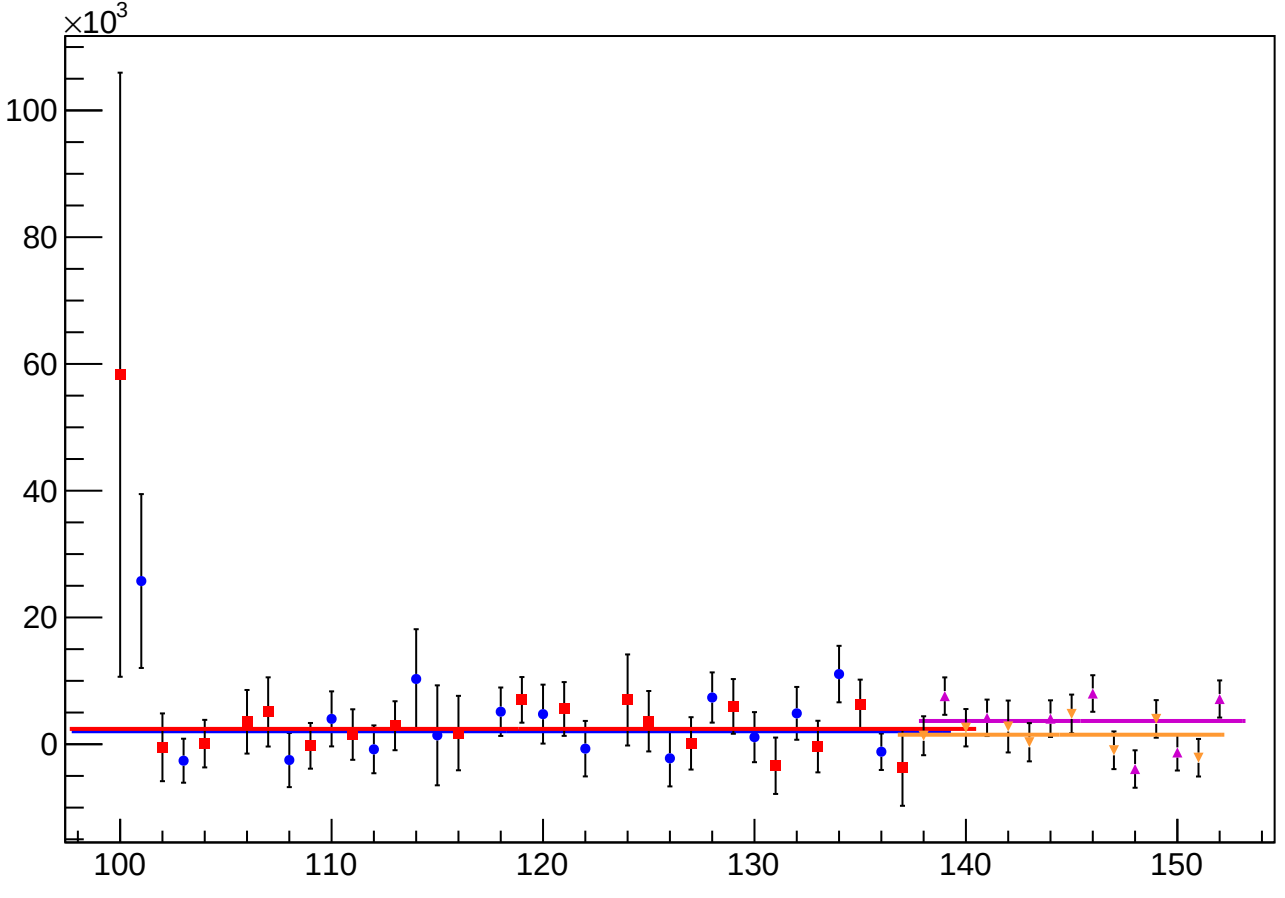
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 660.461+/-0.136 χ^2/NDF:2779021.3/22

Out: 629.045+/-0.130 χ^2/NDF:2893166.4/26

All: 644.050+/-0.094 χ^2/NDF: 5700265.9/49

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: 3668.690+/-1097.880 χ^2/NDF:15.1/6

Left: 2579.205+/-774.280 χ^2/NDF: 21.5/14

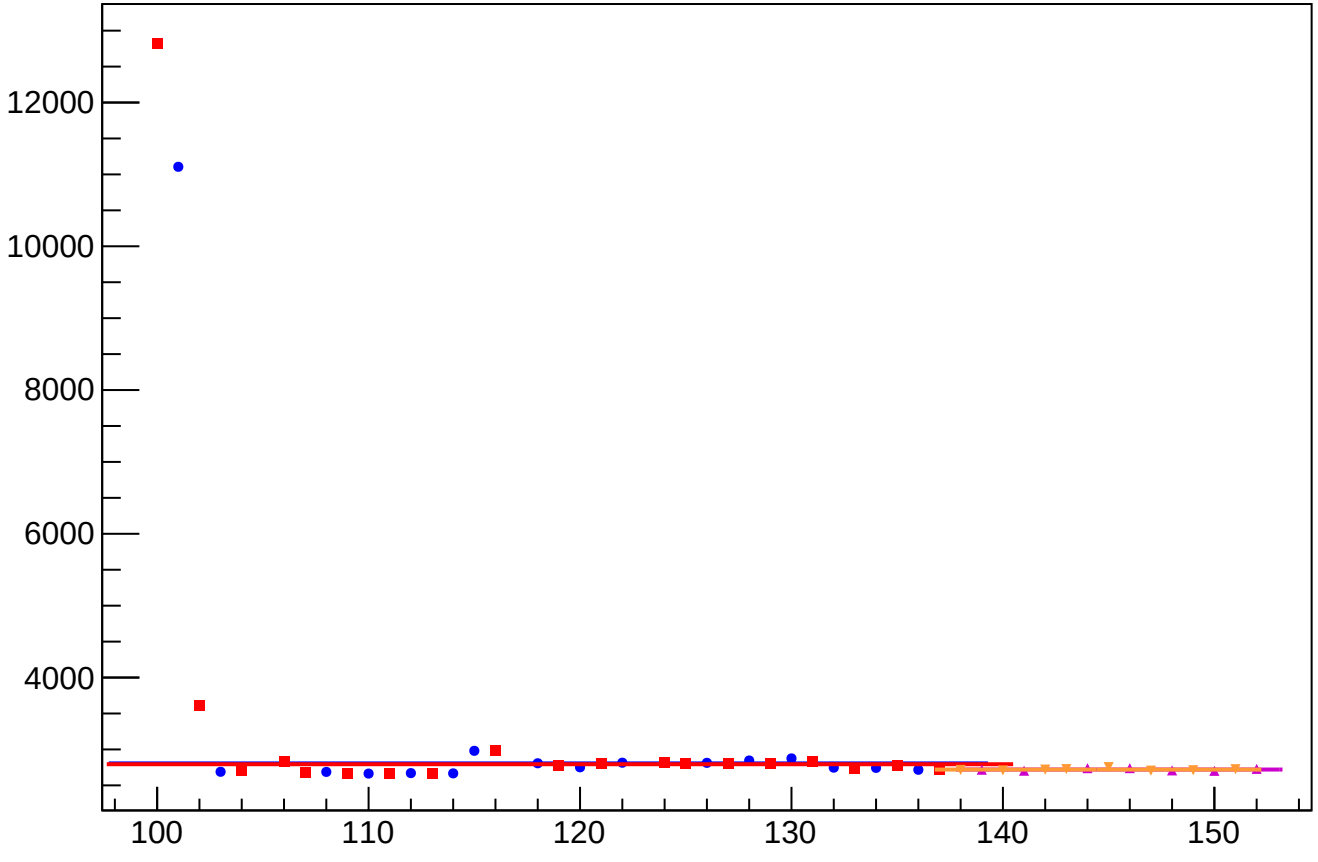
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2838.157+/-766.417 χ^2/NDF:34.0/22

Out: 1982.849+/-752.332 χ^2/NDF:15.6/26

All: 2402.572+/-536.890 χ^2/NDF: 50.2/49

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: 2720.310+/-0.776 χ^2/NDF:373.3/6

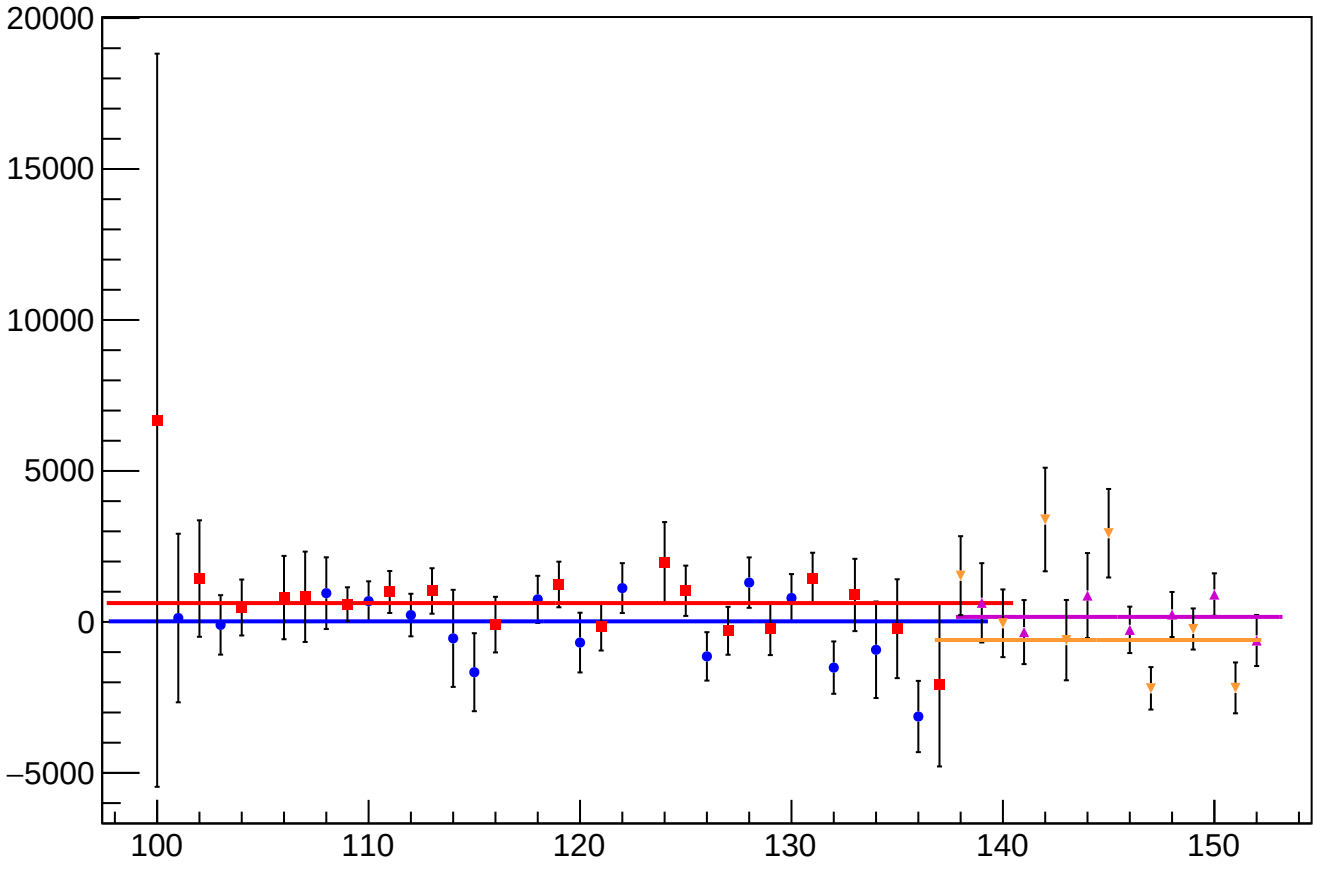
Left: 2720.085+/-0.547 χ^2/NDF: 743.4/14

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2763.957+/-0.542 χ^2/NDF:752778.7/22

Out: 2758.902+/-0.532 χ^2/NDF:151977.7/26

All: 2761.382+/-0.380 χ^2/NDF: 904800.7/49



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: 166.208+/-335.479 χ^2/NDF:2.9/6

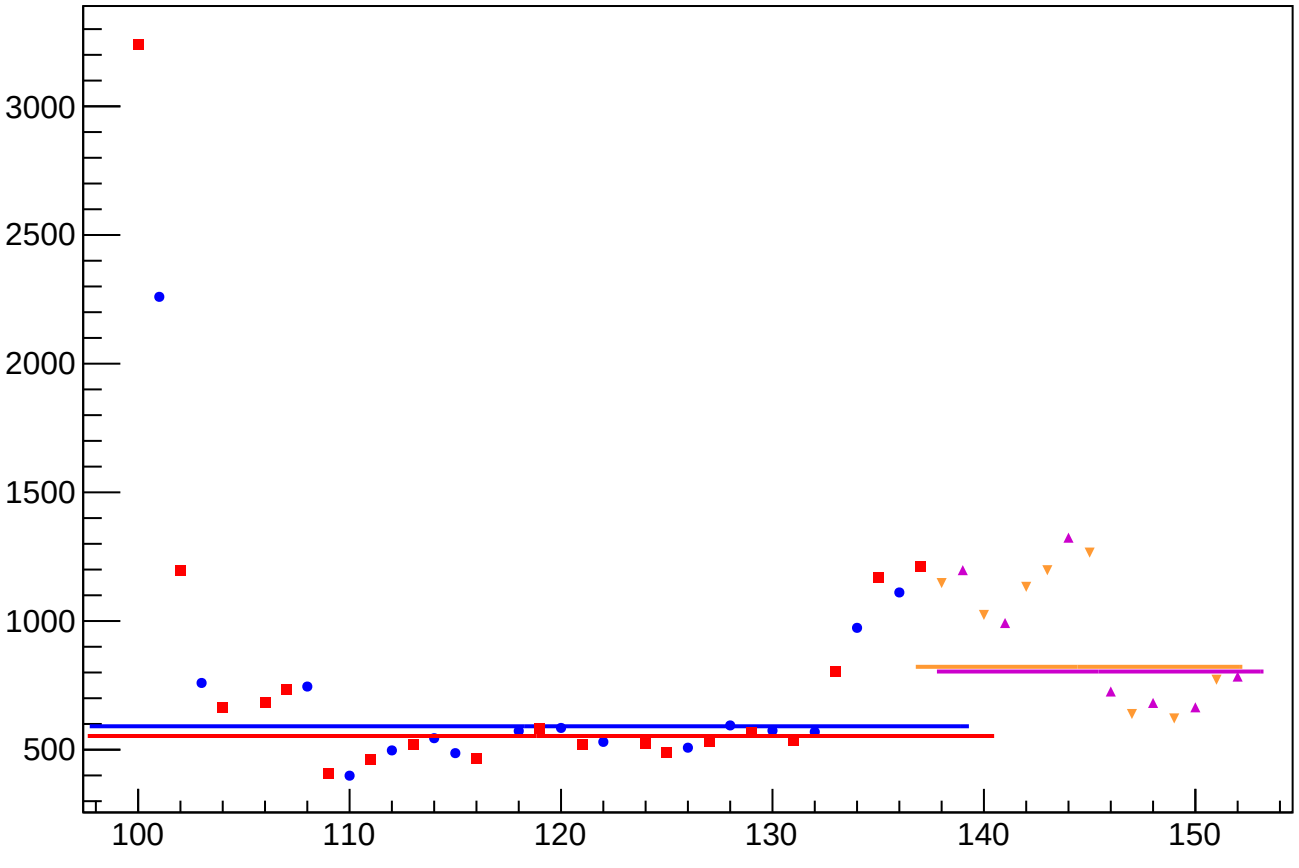
Left: -204.143+/-240.963 χ^2/NDF: 28.5/14

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 66.992+/-191.633 χ^2/NDF:25.8/22

Out: 281.925+/-183.215 χ^2/NDF:41.2/26

All: 179.282+/-132.429 χ^2/NDF: 67.6/49



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: 803.781+/-0.237 χ^2/NDF:669529.3/6

Left: 812.650+/-0.170 χ^2/NDF: 1585502.4/14

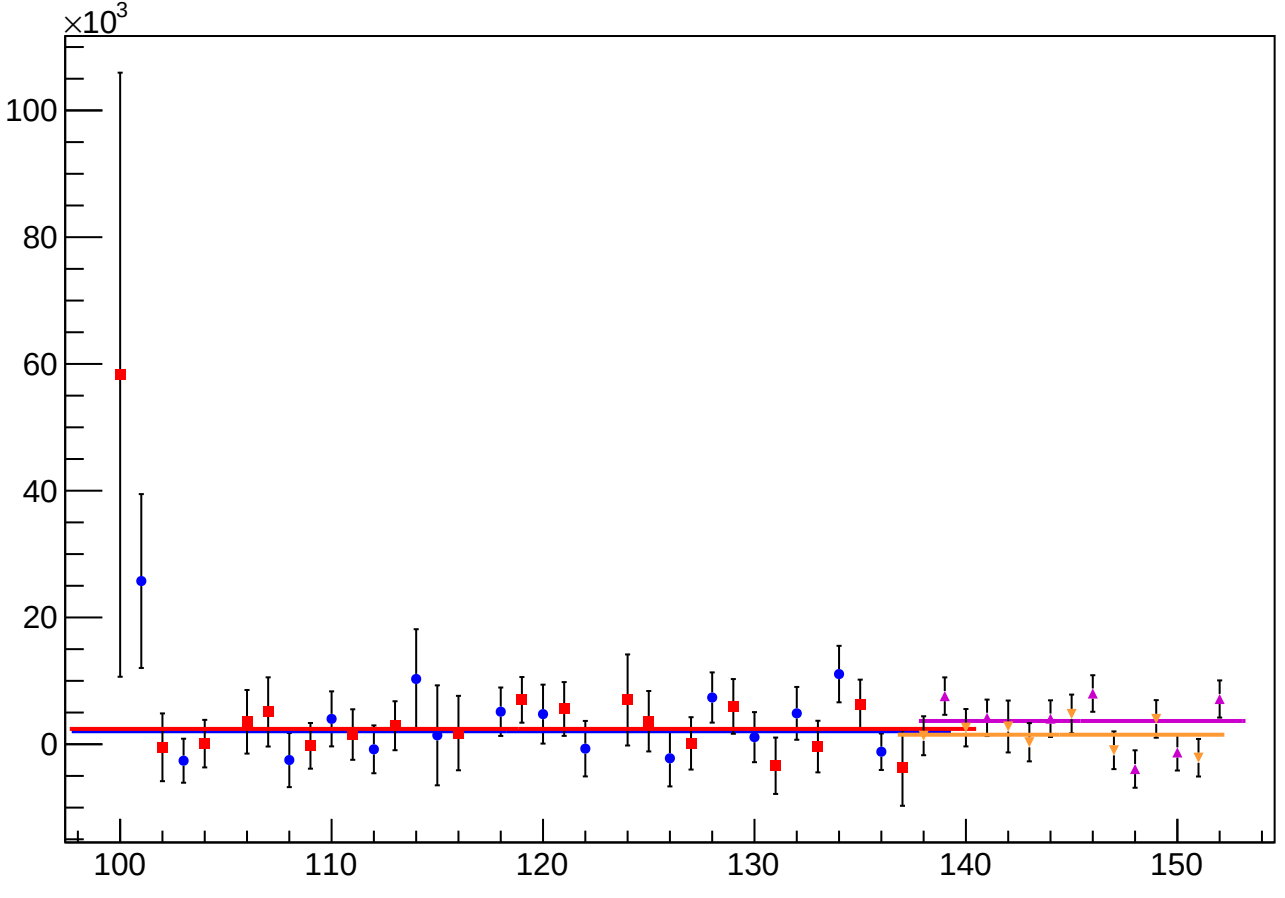
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 660.455+/-0.136 χ^2/NDF:2778010.9/22

Out: 628.481+/-0.130 χ^2/NDF:2882802.8/26

All: 643.750+/-0.094 χ^2/NDF: 5689903.8/49

eigen_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: 3668.690+/-1097.880 χ^2/NDF:15.1/6

Left: 2579.205+/-774.280 χ^2/NDF: 21.5/14

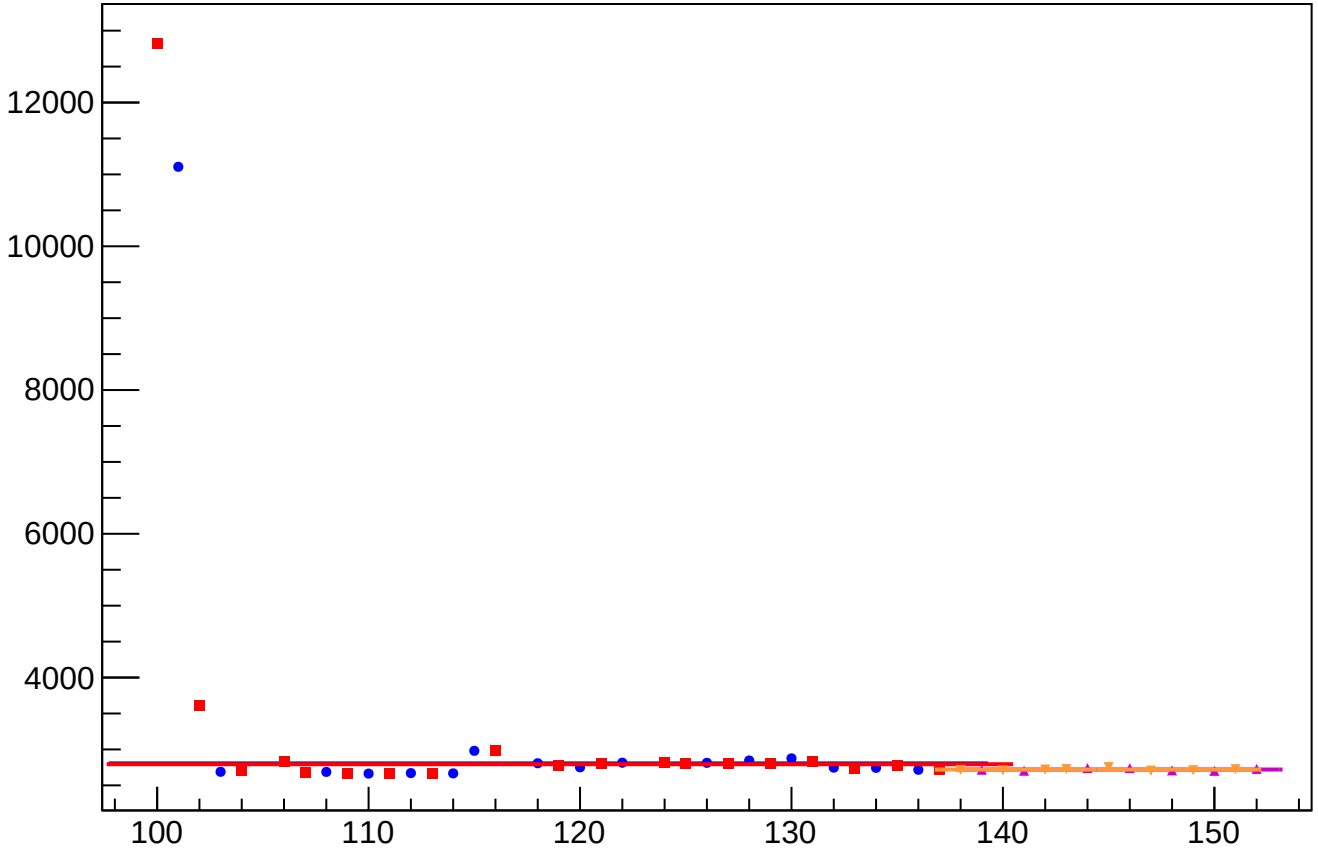
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2838.157+/-766.417 χ^2/NDF:34.0/22

Out: 1982.849+/-752.332 χ^2/NDF:15.6/26

All: 2402.572+/-536.890 χ^2/NDF: 50.2/49

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: 2720.310+/-0.776 χ^2/NDF:373.3/6

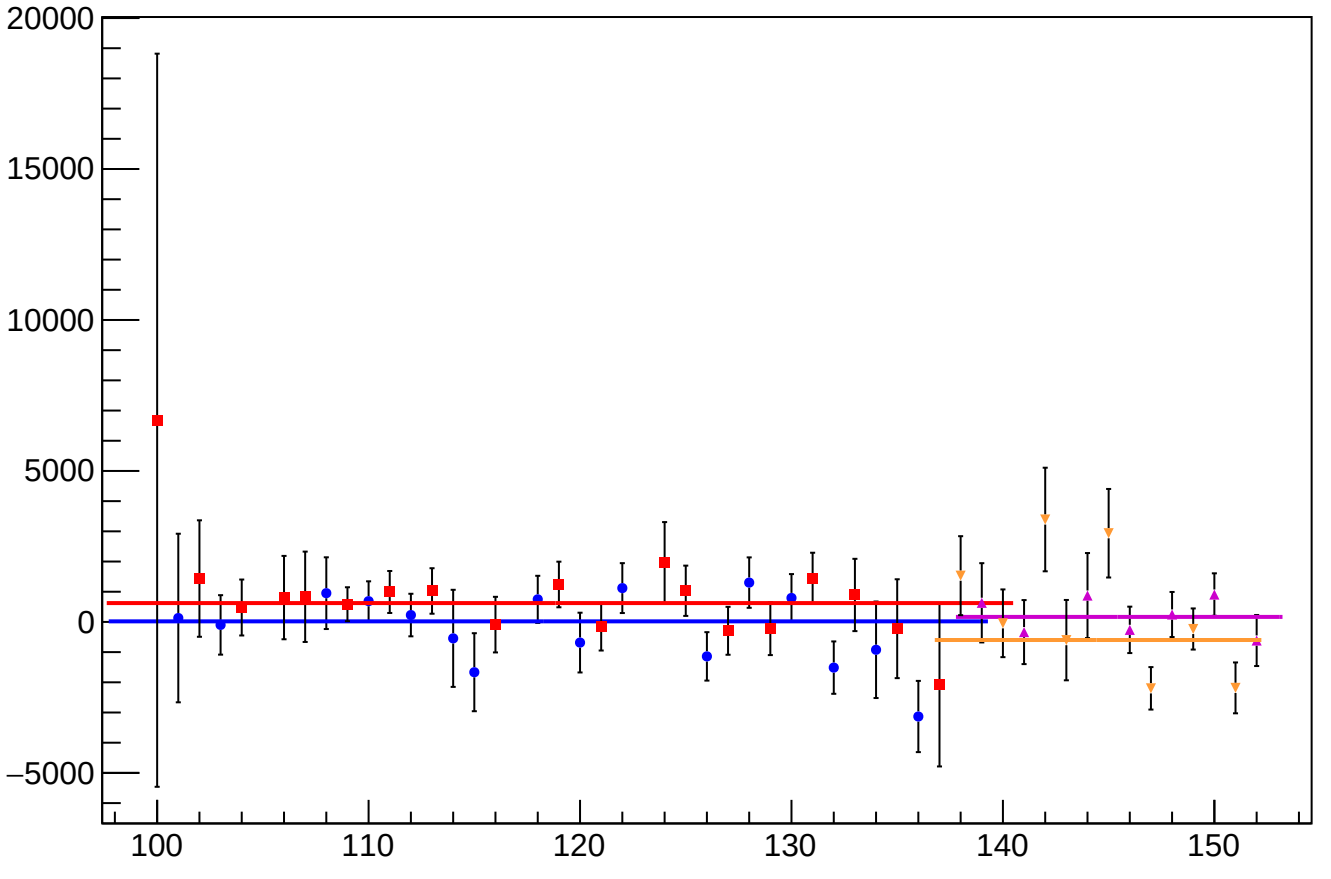
Left: 2720.085+/-0.547 χ^2/NDF: 743.4/14

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2763.957+/-0.542 χ^2/NDF:752778.7/22

Out: 2758.902+/-0.532 χ^2/NDF:151977.7/26

All: 2761.382+/-0.380 χ^2/NDF: 904800.7/49



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: 166.208+/-335.479 χ^2/NDF:2.9/6

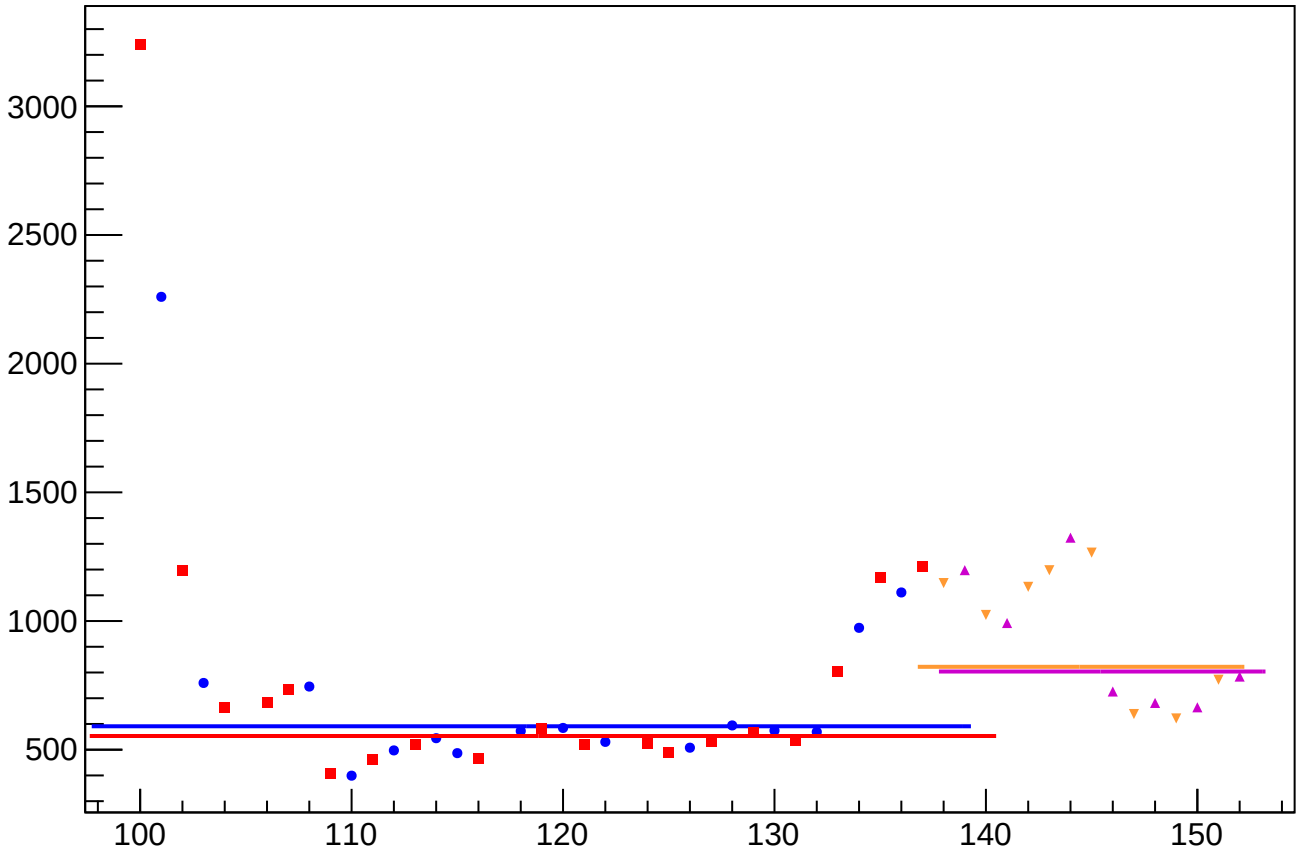
Left: -204.143+/-240.963 χ^2/NDF: 28.5/14

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 66.992+/-191.633 χ^2/NDF:25.8/22

Out: 281.925+/-183.215 χ^2/NDF:41.2/26

All: 179.282+/-132.429 χ^2/NDF: 67.6/49



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: 803.781+/-0.237 χ^2/NDF:669529.3/6

Left: 812.650+/-0.170 χ^2/NDF: 1585502.4/14

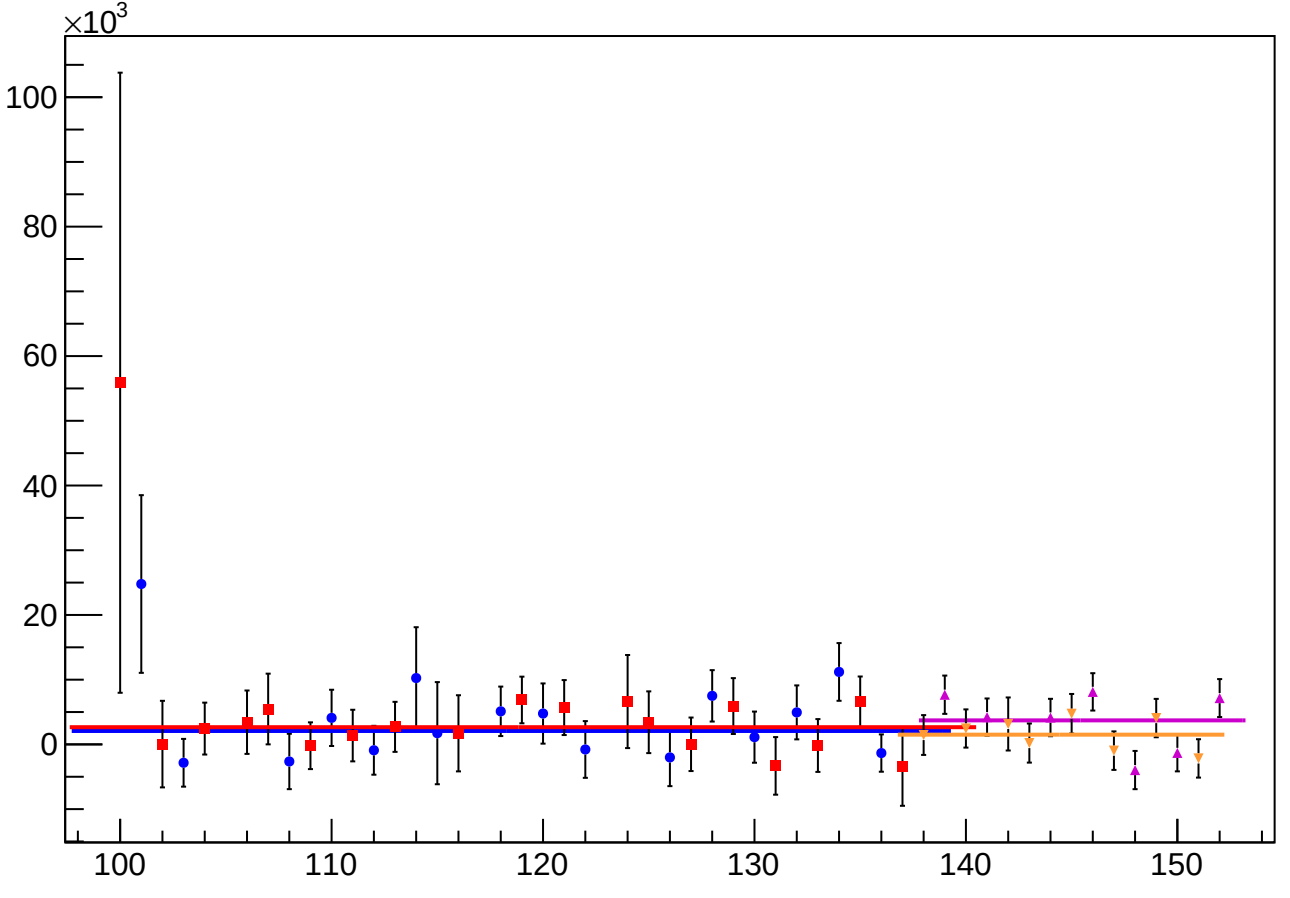
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 660.455+/-0.136 χ^2/NDF:2778010.9/22

Out: 628.481+/-0.130 χ^2/NDF:2882802.8/26

All: 643.750+/-0.094 χ^2/NDF: 5689903.8/49

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: 3711.653+/-1098.638 χ^2/NDF:15.4/6

Left: 2601.981+/-774.841 χ^2/NDF: 22.0/14

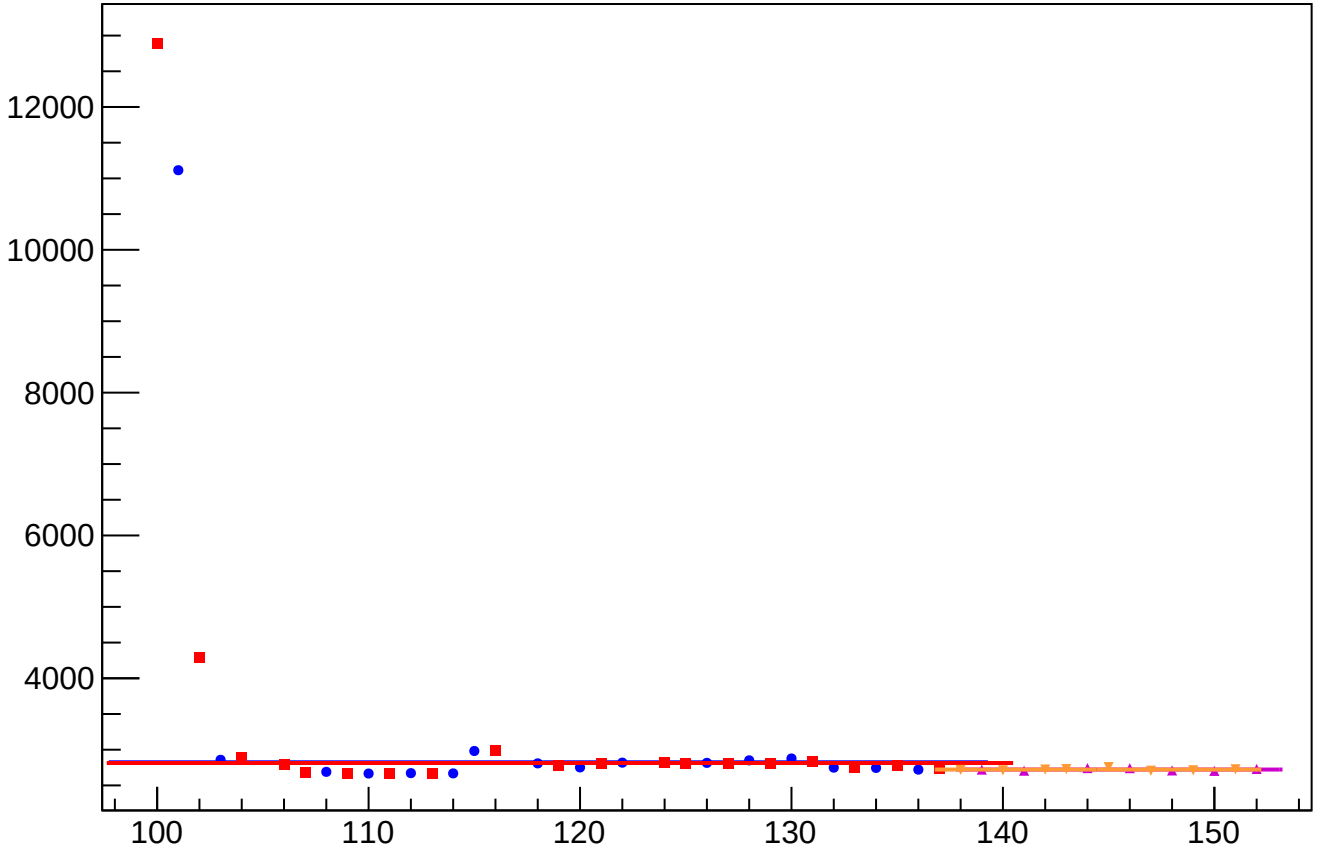
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2877.070+/-769.156 χ^2/NDF:34.4/22

Out: 2103.712+/-757.146 χ^2/NDF:15.1/26

All: 2484.306+/-539.579 χ^2/NDF: 50.0/49

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: 2722.169+/-0.777 χ^2/NDF:387.7/6

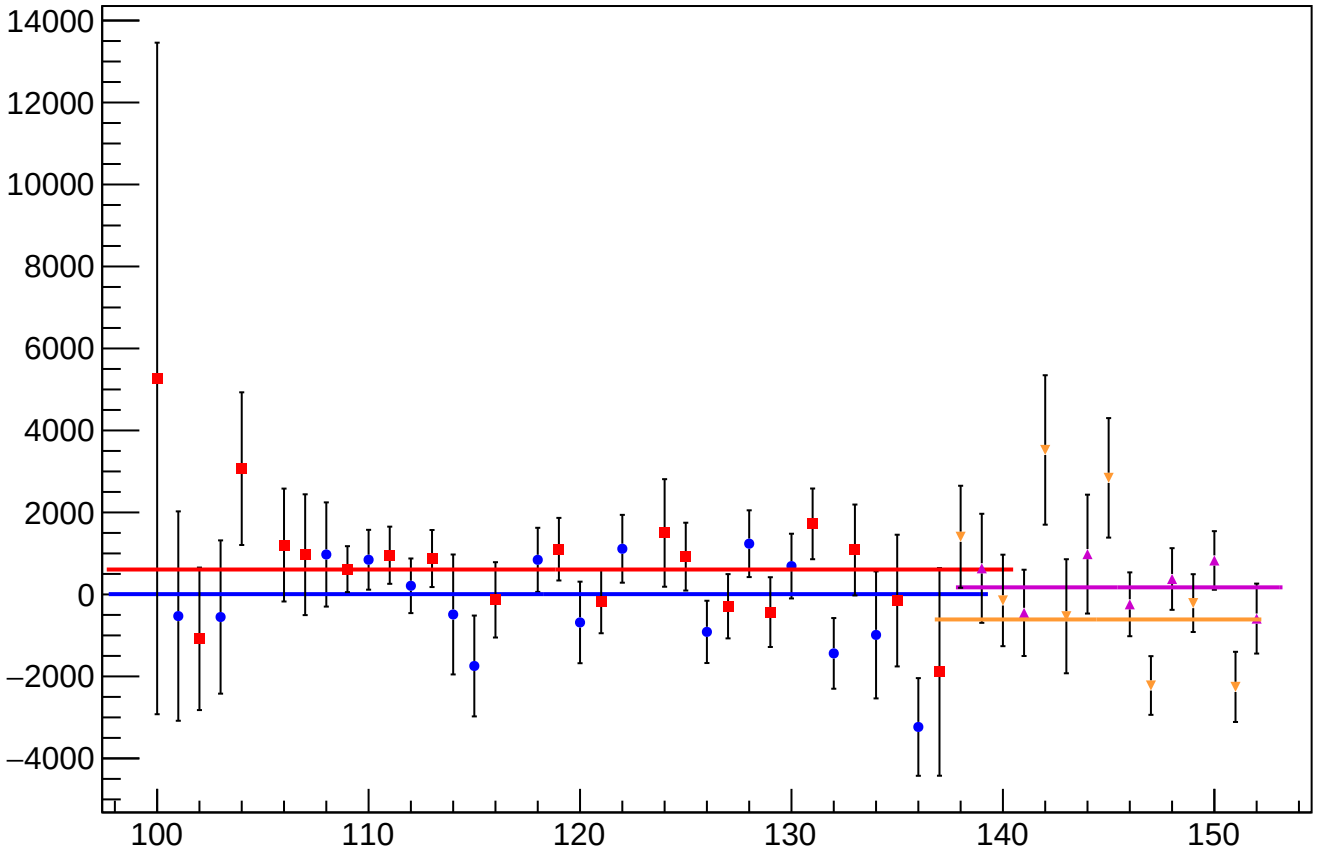
Left: 2722.043+/-0.548 χ^2/NDF: 773.0/14

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2773.807+/-0.544 χ^2/NDF:752969.6/22

Out: 2769.718+/-0.535 χ^2/NDF:208251.8/26

All: 2771.730+/-0.382 χ^2/NDF: 961250.1/49



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: 172.774+/-339.220 χ^2/NDF:2.8/6

Left: -204.278+/-244.308 χ^2/NDF: 28.0/14

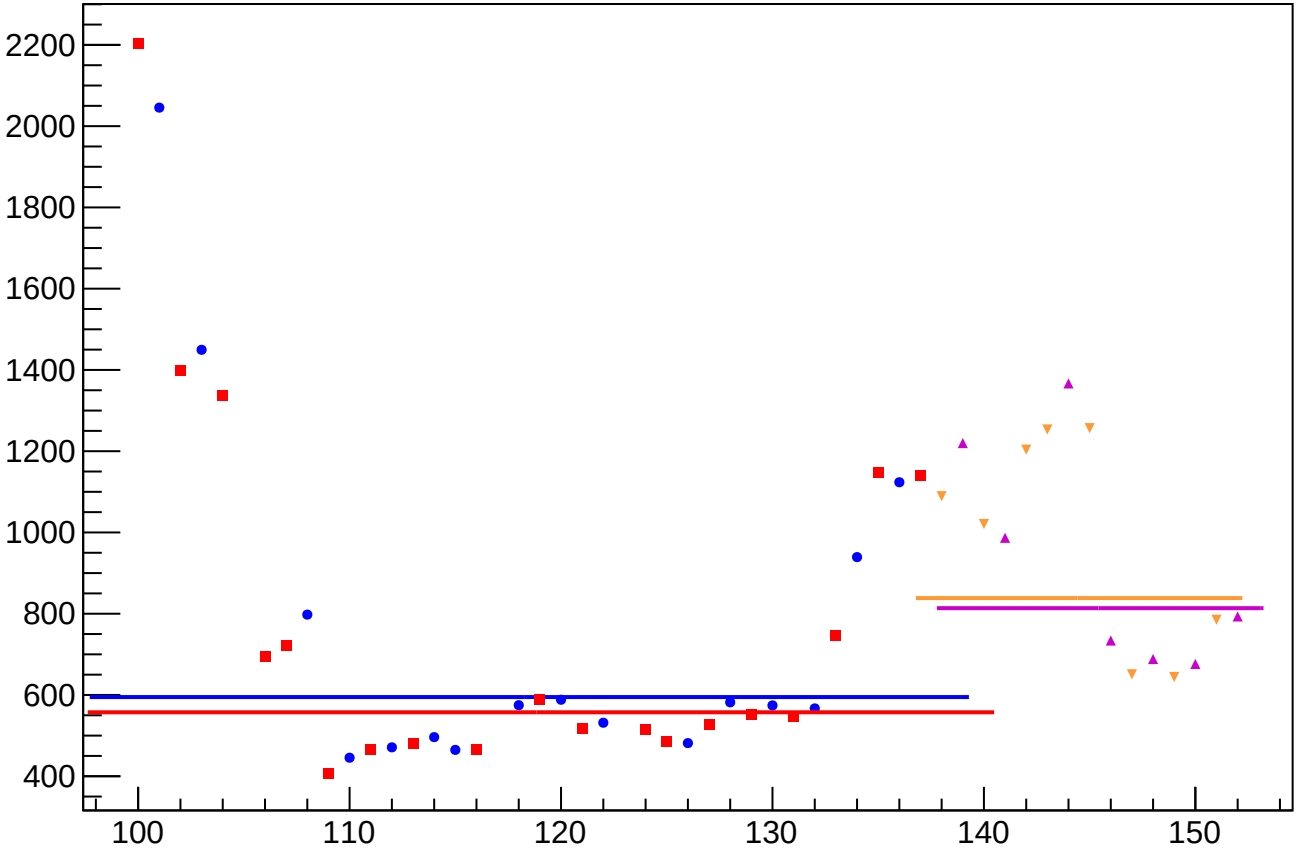
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 61.549+/-194.531 χ^2/NDF:25.7/22

Out: 272.150+/-184.799 χ^2/NDF:43.5/26

All: 172.249+/-133.981 χ^2/NDF: 69.8/49

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



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: 813.670+/-0.240 χ^2/NDF:682851.5/6

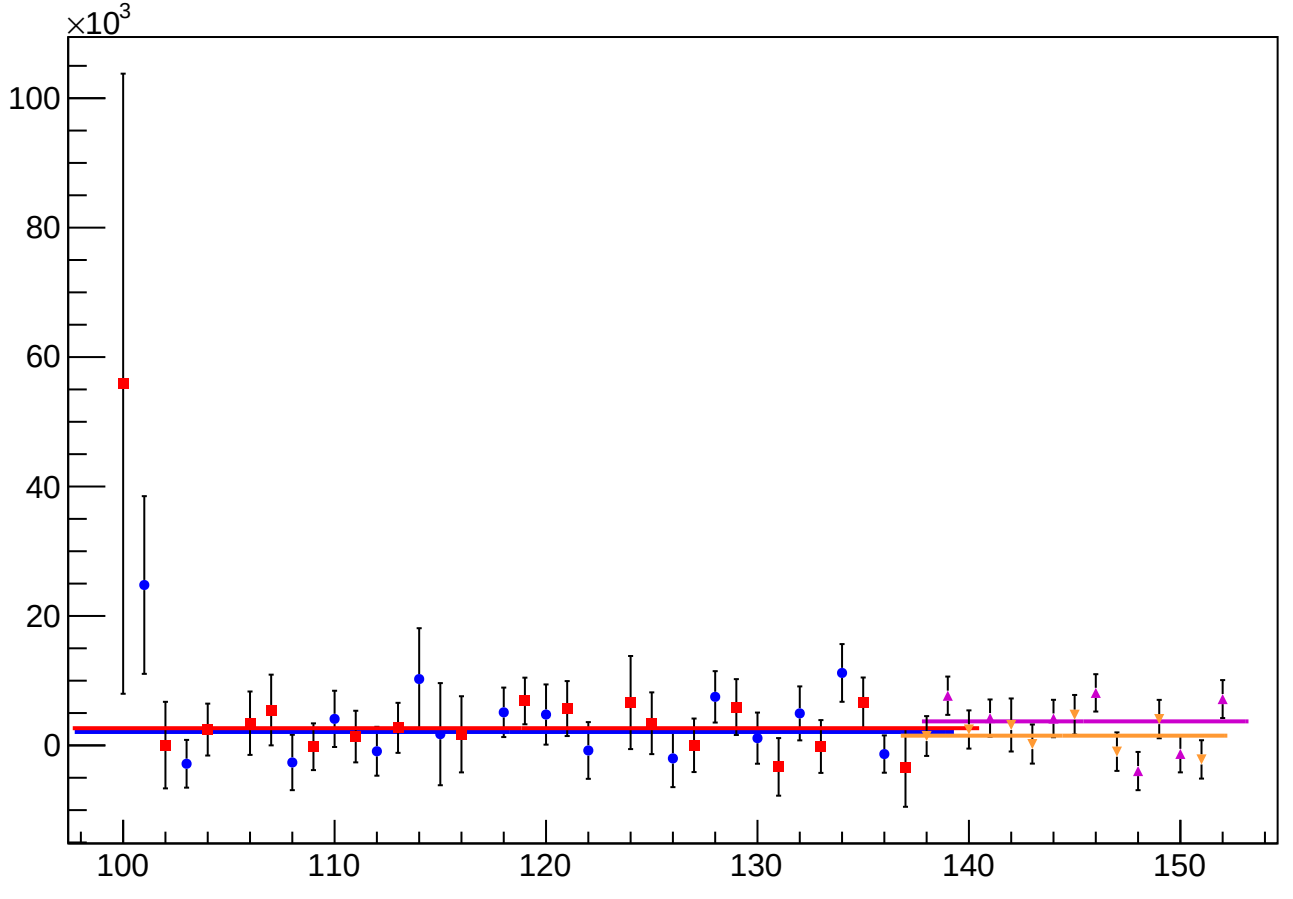
Left: 825.628+/-0.173 χ^2/NDF: 1542325.9/14

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 666.816+/-0.138 χ^2/NDF:3094007.1/22

Out: 634.814+/-0.131 χ^2/NDF:3409169.5/26

All: 649.995+/-0.095 χ^2/NDF: 6531628.7/49



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: 3711.654+/-1098.638 χ^2/NDF:15.4/6

Left: 2601.982+/-774.841 χ^2/NDF: 22.0/14

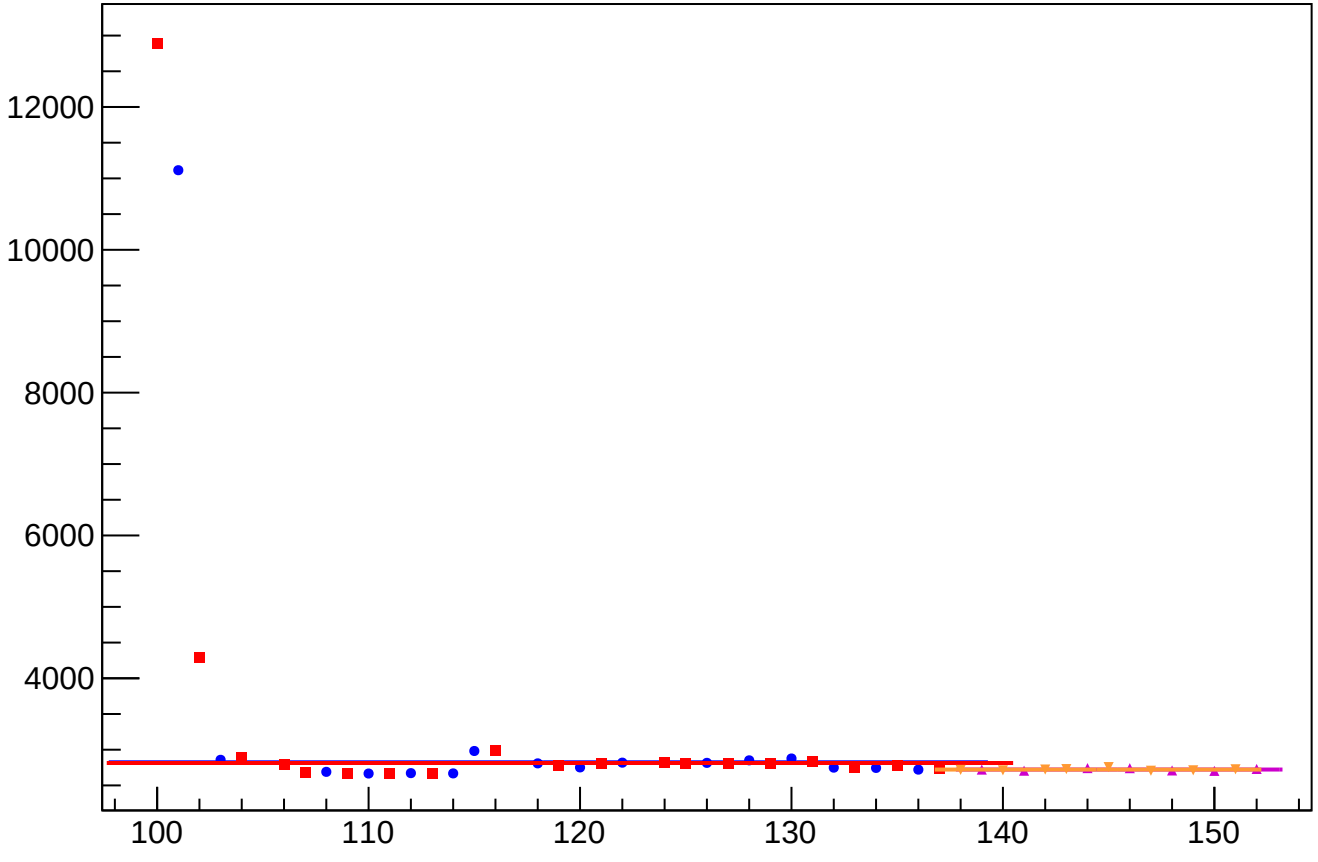
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2877.070+/-769.156 χ^2/NDF:34.4/22

Out: 2103.712+/-757.146 χ^2/NDF:15.1/26

All: 2484.306+/-539.579 χ^2/NDF: 50.0/49

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: 2722.169+/-0.777 χ^2/NDF:387.7/6

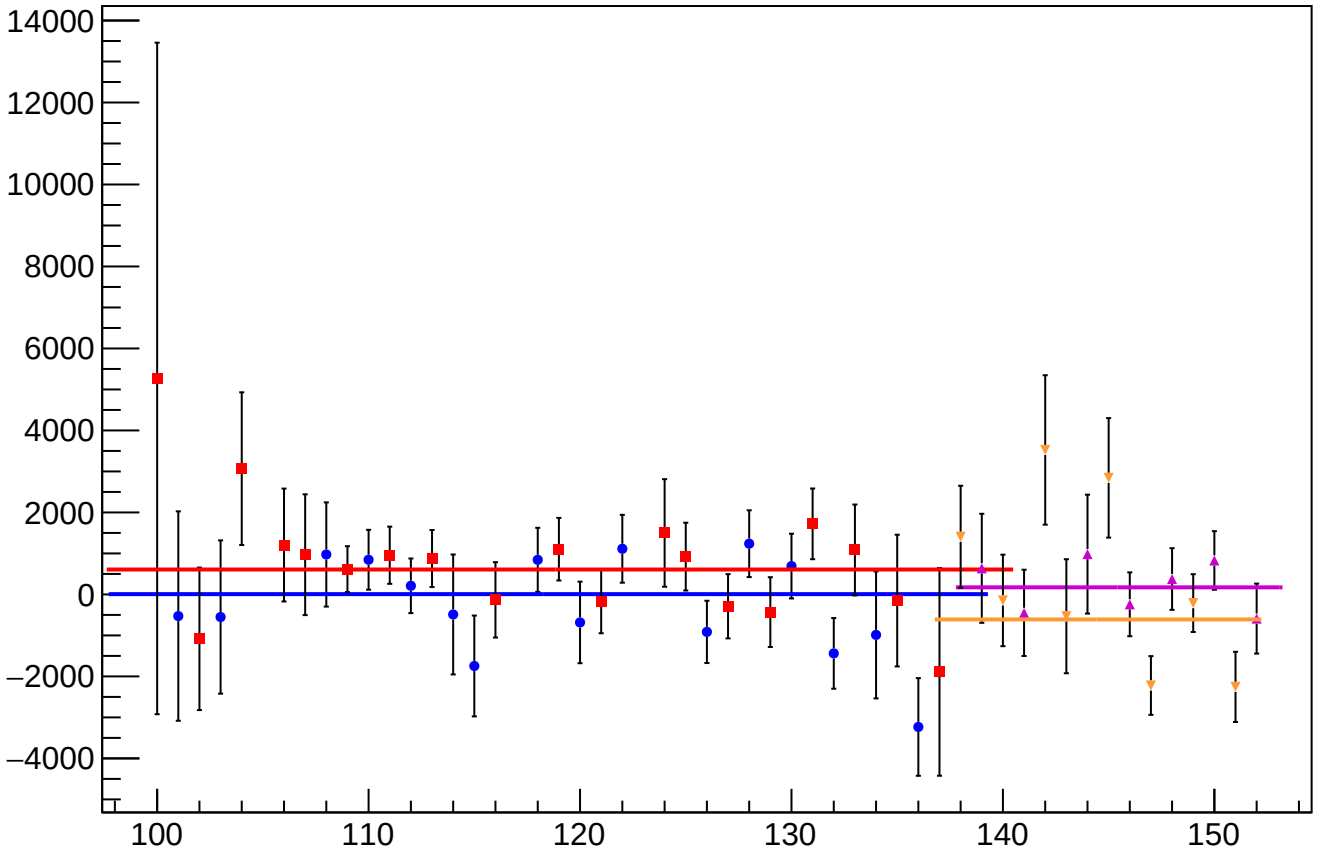
Left: 2722.043+/-0.548 χ^2/NDF: 773.0/14

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2773.807+/-0.544 χ^2/NDF:752969.6/22

Out: 2769.718+/-0.535 χ^2/NDF:208251.5/26

All: 2771.730+/-0.382 χ^2/NDF: 961249.8/49



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: 172.775+/-339.221 χ^2/NDF:2.8/6

Left: -204.278+/-244.308 χ^2/NDF: 28.0/14

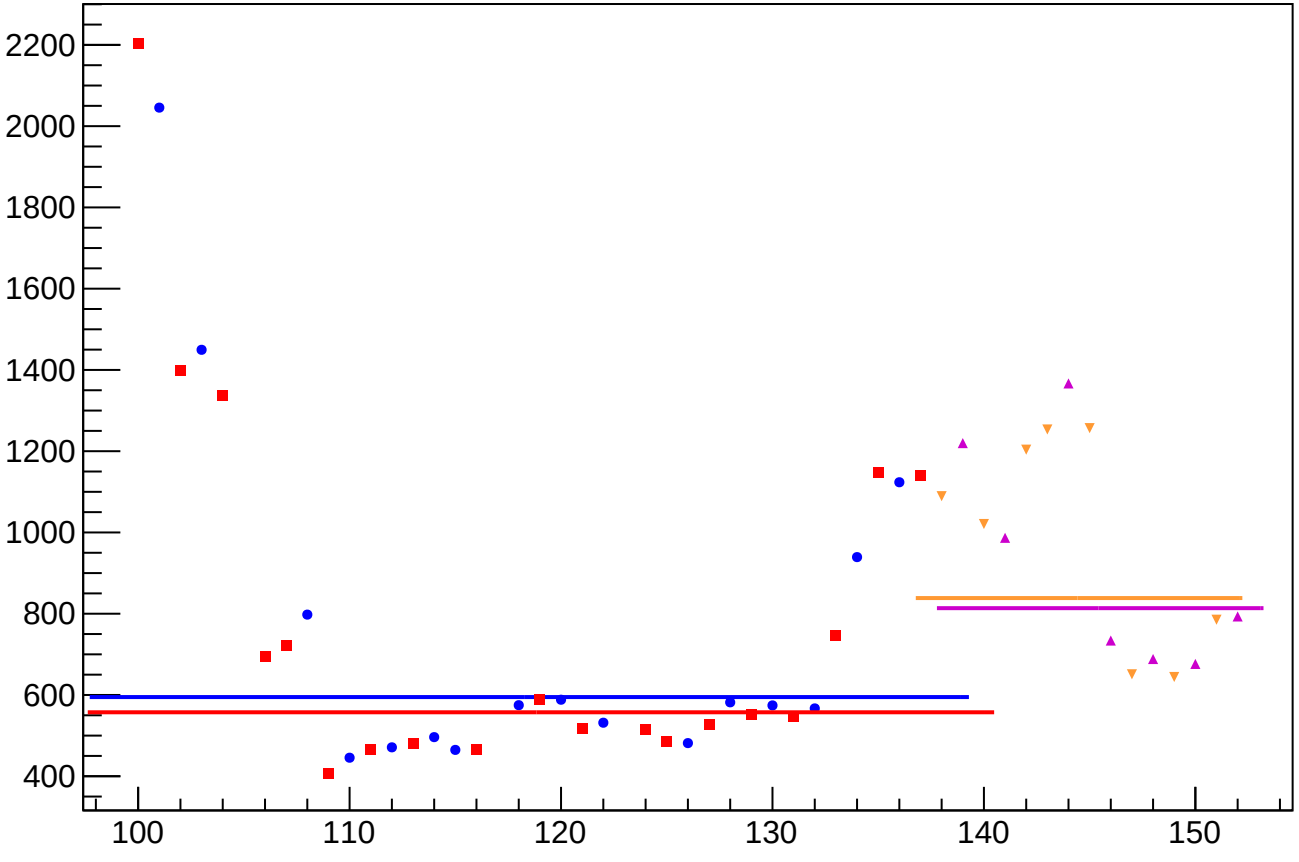
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 61.549+/-194.531 χ^2/NDF:25.7/22

Out: 272.150+/-184.799 χ^2/NDF:43.5/26

All: 172.249+/-133.981 χ^2/NDF: 69.8/49

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: 813.671+/-0.240 χ^2/NDF:682851.6/6

Left: 825.629+/-0.173 χ^2/NDF: 1542327.0/14

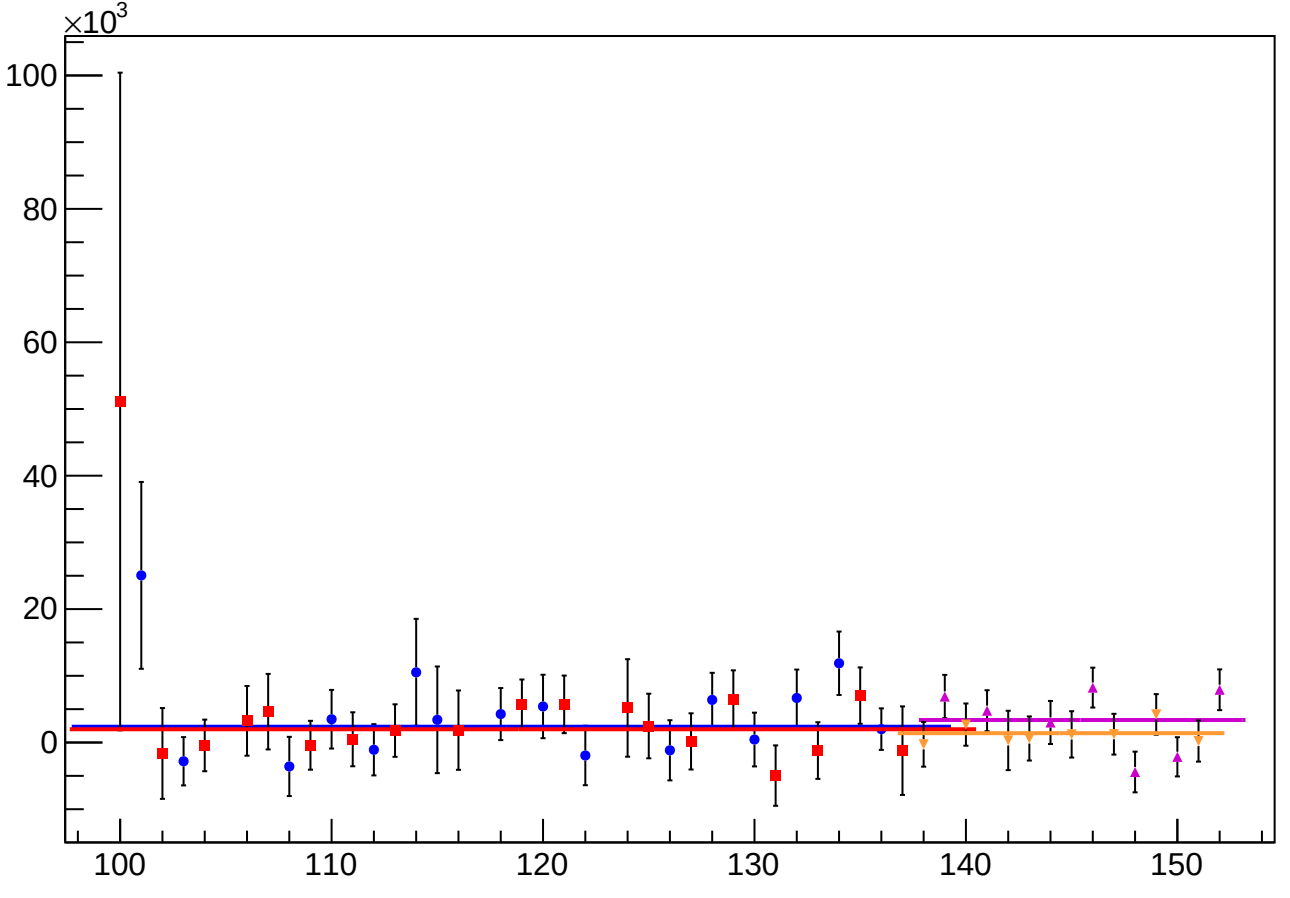
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 666.817+/-0.138 χ^2/NDF:3094001.4/22

Out: 634.814+/-0.131 χ^2/NDF:3409168.9/26

All: 649.995+/-0.095 χ^2/NDF: 6531622.8/49

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: 3371.154+/-1163.132 χ^2/NDF:16.3/6

Left: 2388.575+/-823.896 χ^2/NDF: 19.3/14

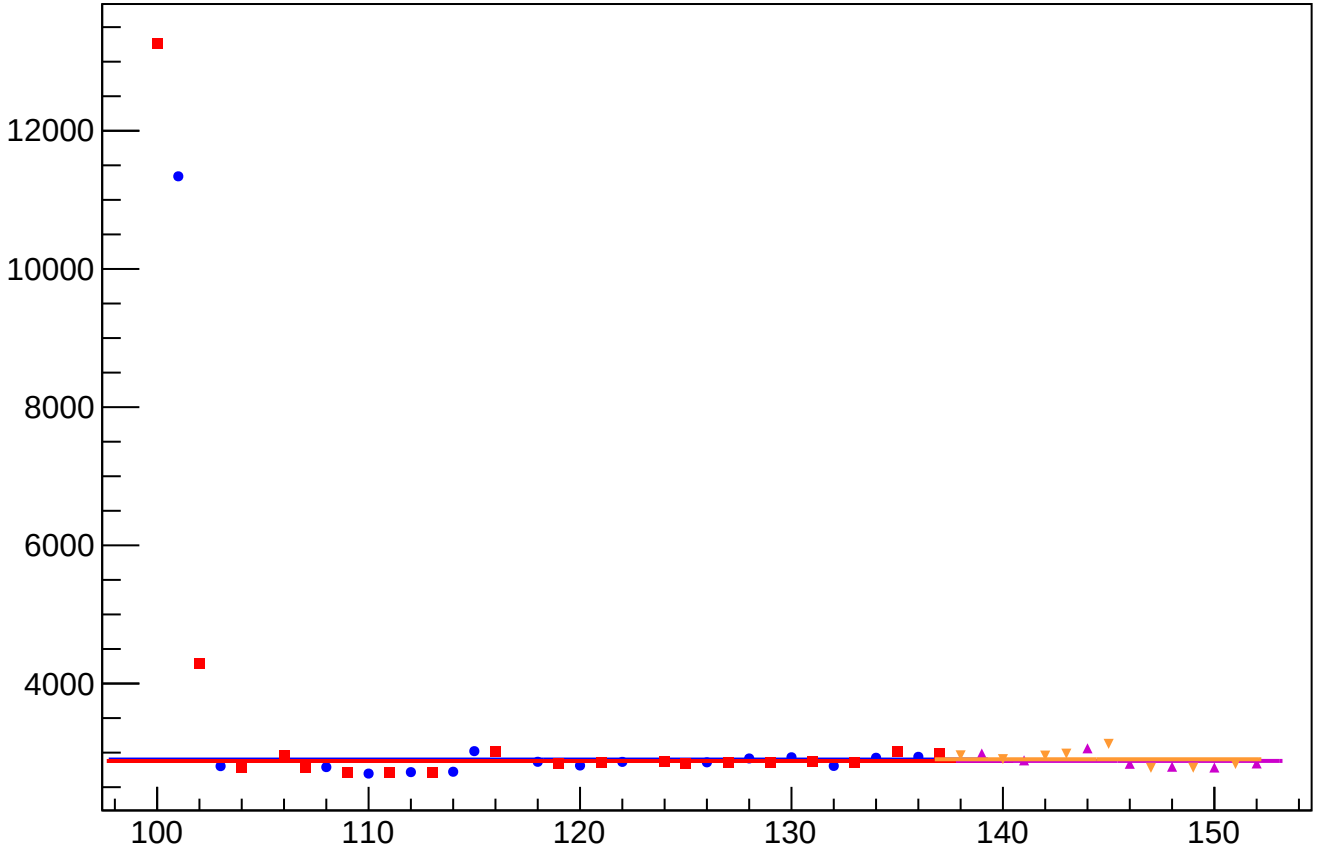
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2843.993+/-801.574 χ^2/NDF:33.5/22

Out: 1717.121+/-790.855 χ^2/NDF:12.0/26

All: 2272.972+/-562.970 χ^2/NDF: 46.5/49

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: 2880.087+/-0.822 χ^2/NDF:12864.3/6

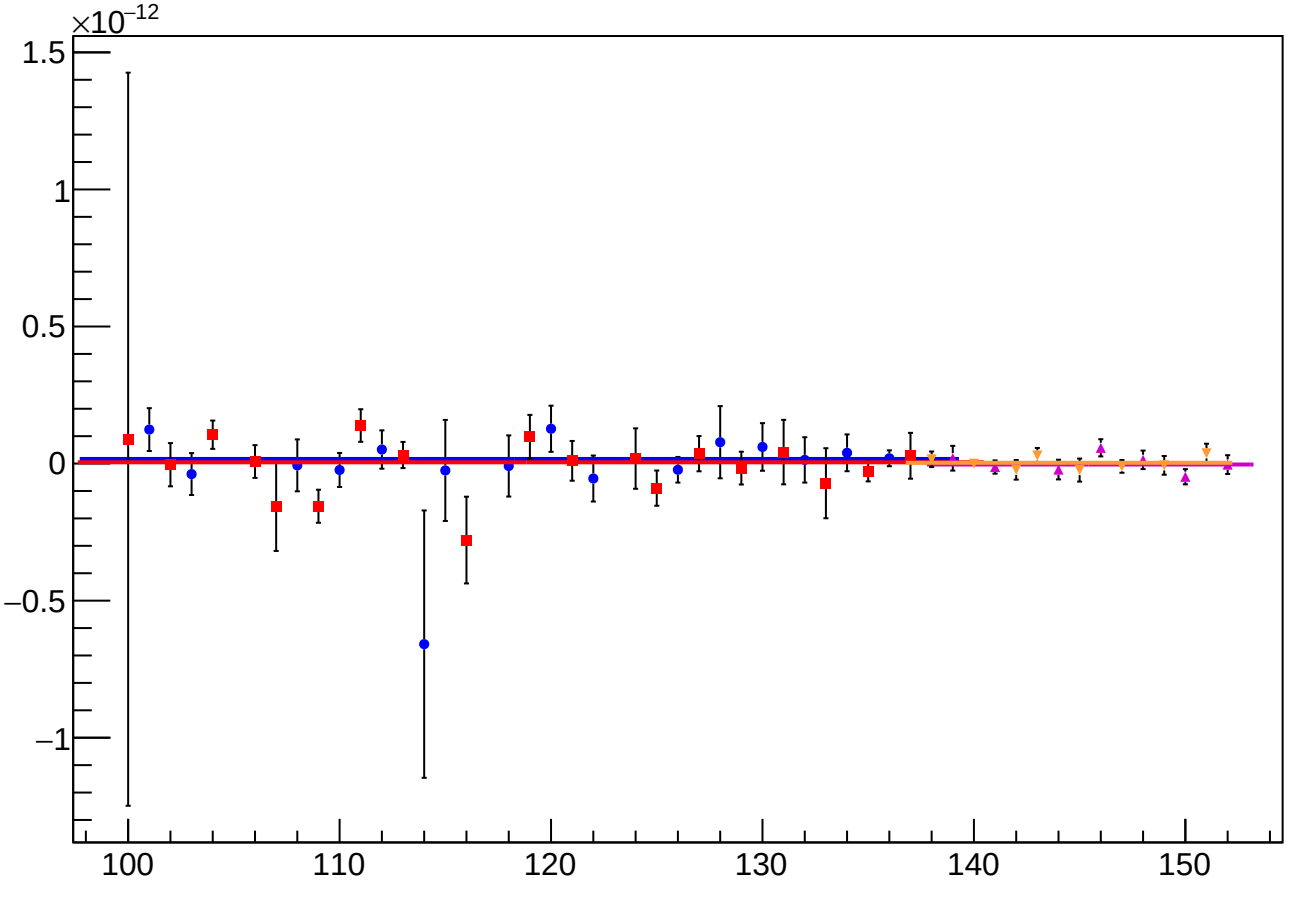
Left: 2891.983+/-0.583 χ^2/NDF: 31064.3/14

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2890.452+/-0.567 χ^2/NDF:754984.9/22

Out: 2890.437+/-0.559 χ^2/NDF:211559.1/26

All: 2890.444+/-0.398 χ^2/NDF: 966544.0/49



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:7.3/6

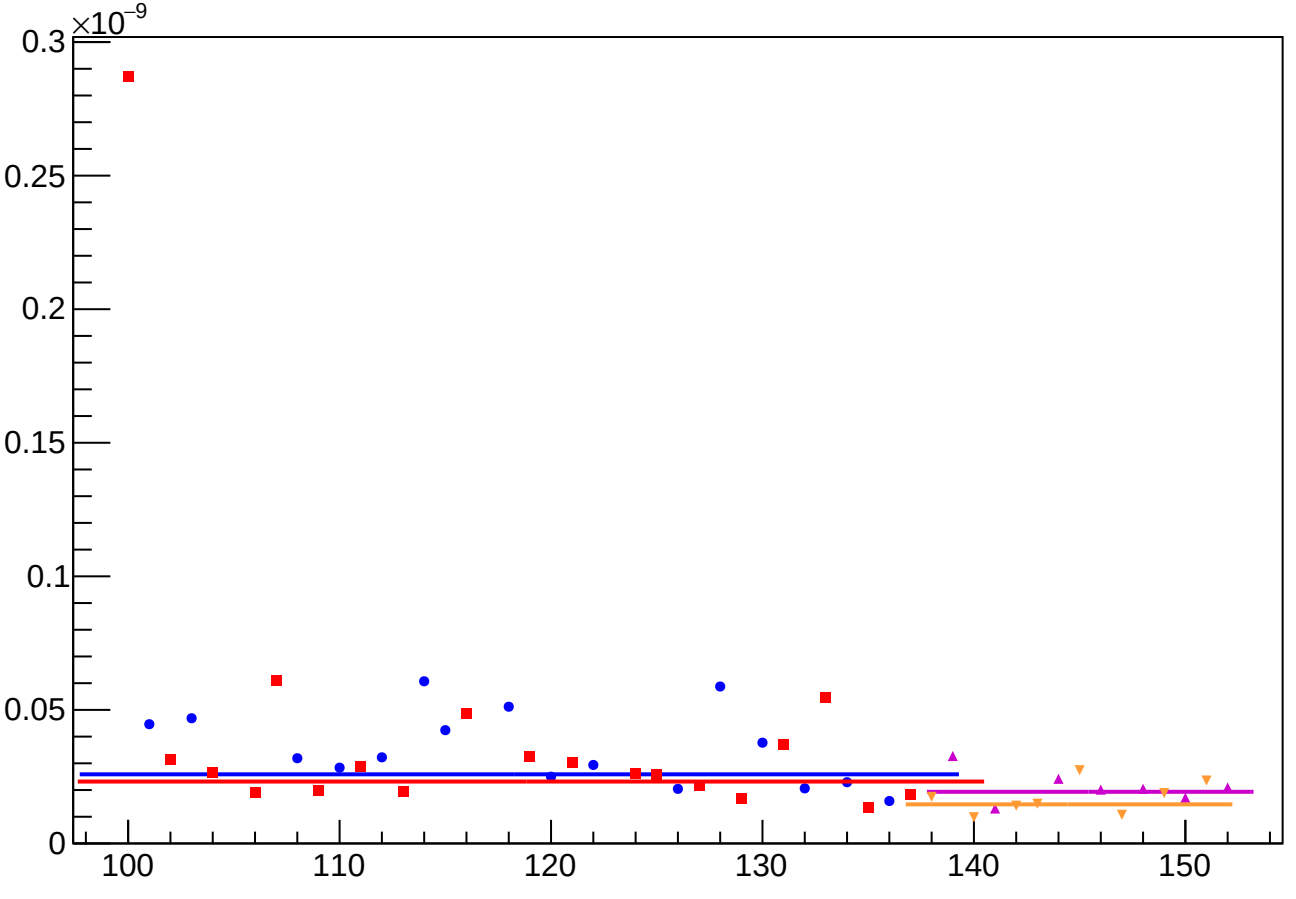
Left: 0.000+/-0.000 χ^2/NDF: 10.9/14

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:17.1/22

Out: 0.000+/-0.000 χ^2/NDF:29.2/26

All: 0.000+/-0.000 χ^2/NDF: 46.3/49



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:367555.4/6

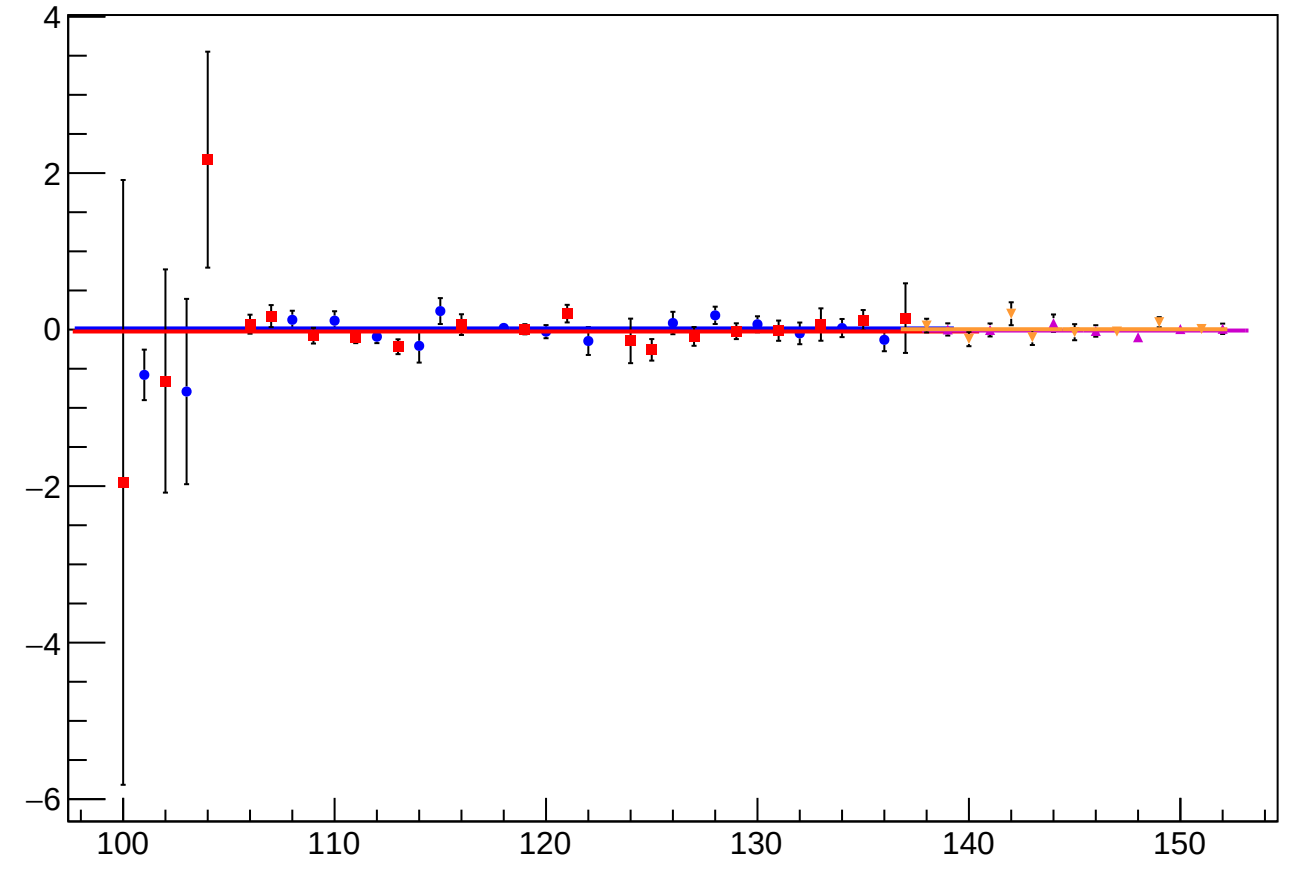
Left: 0.000+/-0.000 χ^2/NDF: 1111038.1/14

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1433545.7/22

Out: 0.000+/-0.000 χ^2/NDF:1673119.7/26

All: 0.000+/-0.000 χ^2/NDF: 3351426.9/49



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: -0.012+/-0.027 χ^2/NDF:2.8/6

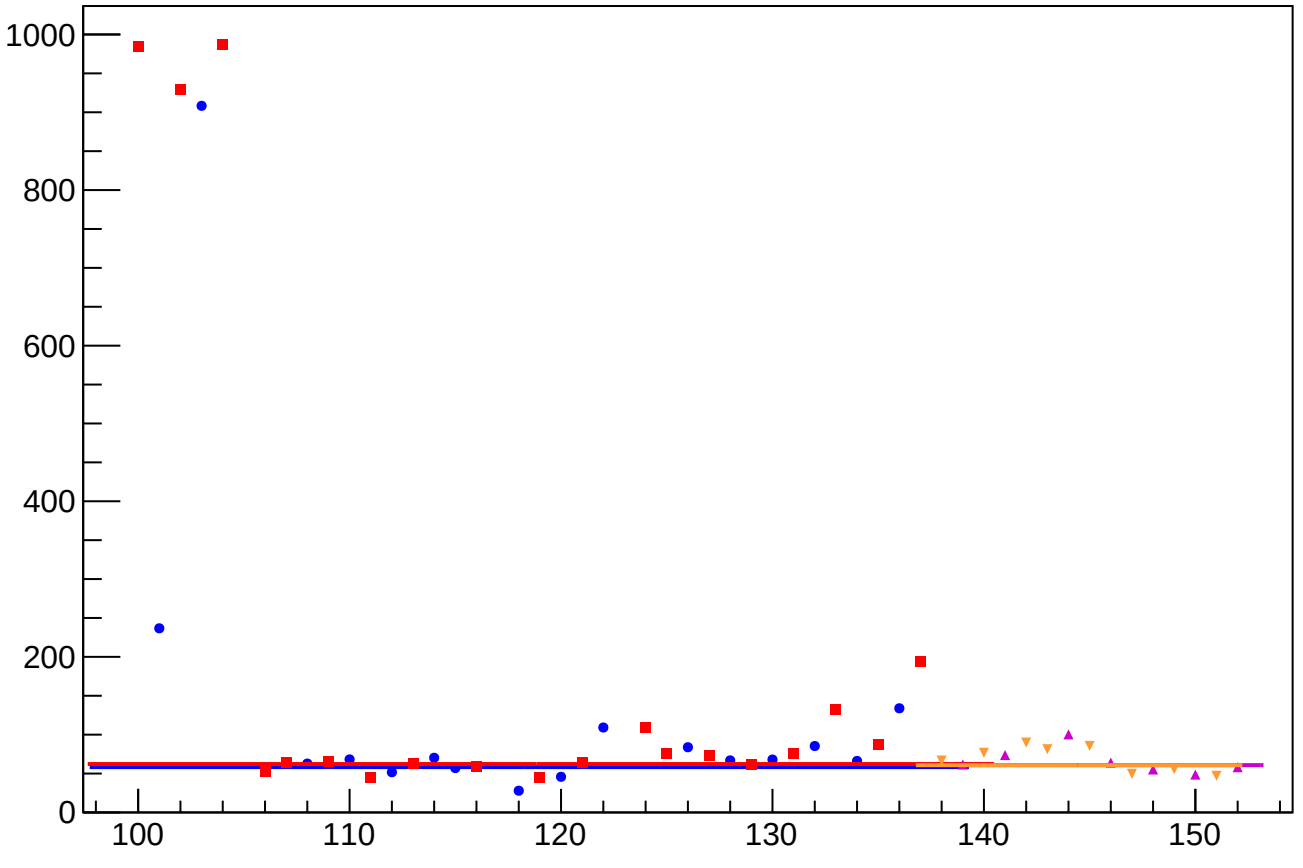
Left: -0.004+/-0.019 χ^2/NDF: 10.3/14

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.019 χ^2/NDF:18.3/22

Out: -0.010+/-0.020 χ^2/NDF:28.7/26

All: -0.004+/-0.014 χ^2/NDF: 47.1/49



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: 60.825+/-0.019 χ^2/NDF:417337.9/6

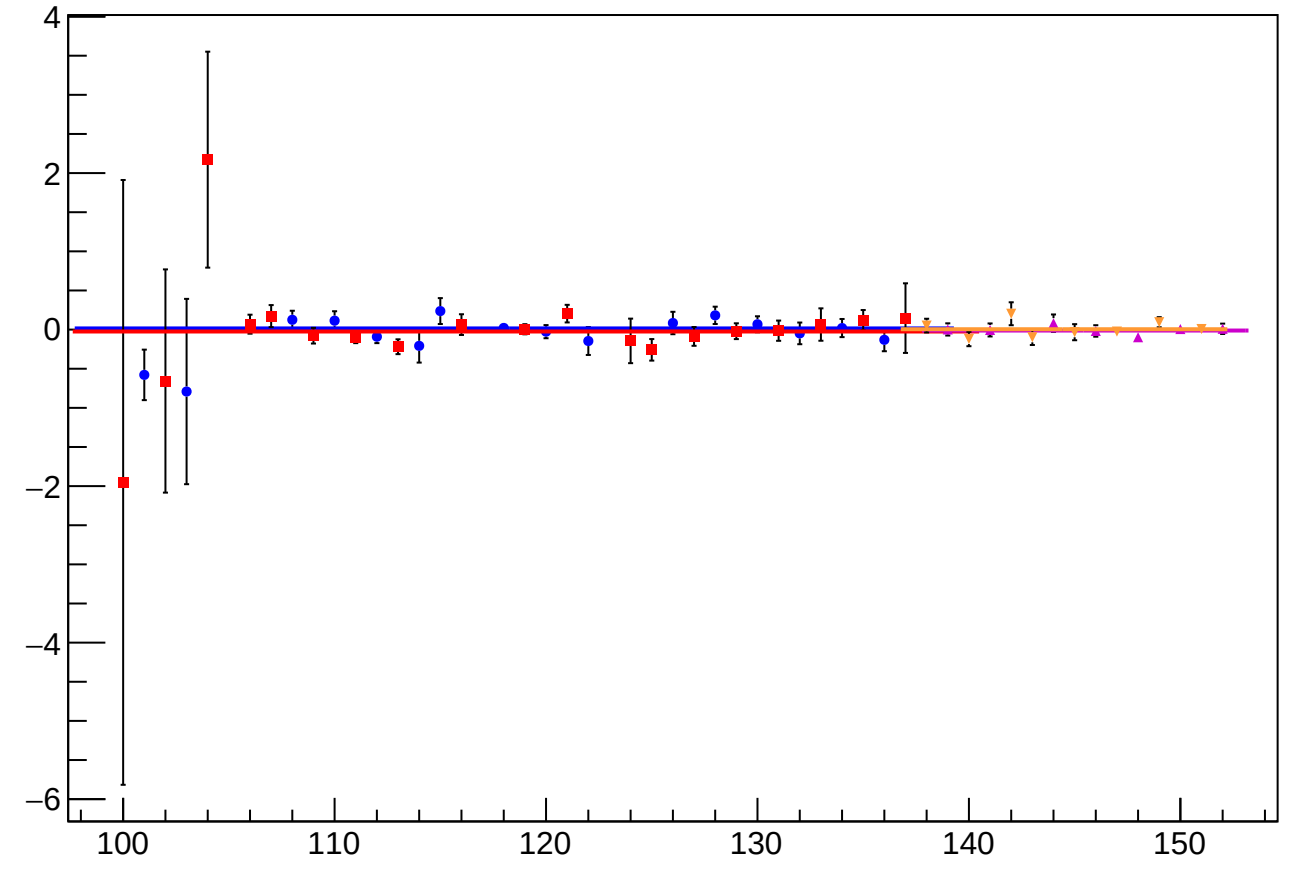
Left: 60.781+/-0.014 χ^2/NDF: 961096.9/14

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 59.606+/-0.014 χ^2/NDF:3686132.3/22

Out: 61.474+/-0.014 χ^2/NDF:3173684.7/26

All: 60.527+/-0.010 χ^2/NDF: 6868968.7/49



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: -0.012+/-0.027 χ^2/NDF:2.8/6

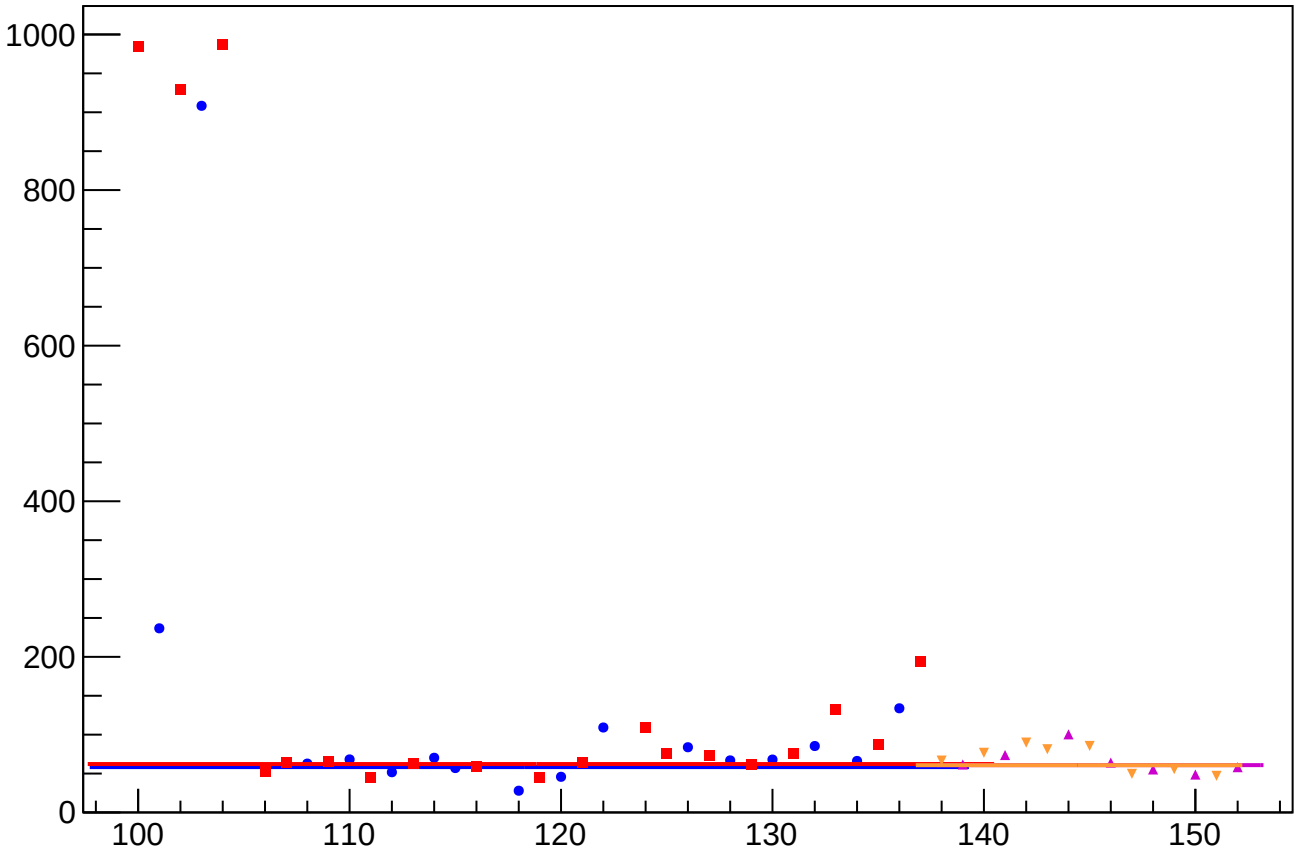
Left: -0.004+/-0.019 χ^2/NDF: 10.3/14

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.019 χ^2/NDF:18.3/22

Out: -0.010+/-0.020 χ^2/NDF:28.7/26

All: -0.004+/-0.014 χ^2/NDF: 47.1/49



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: 60.825+/-0.019 χ^2/NDF:417337.9/6

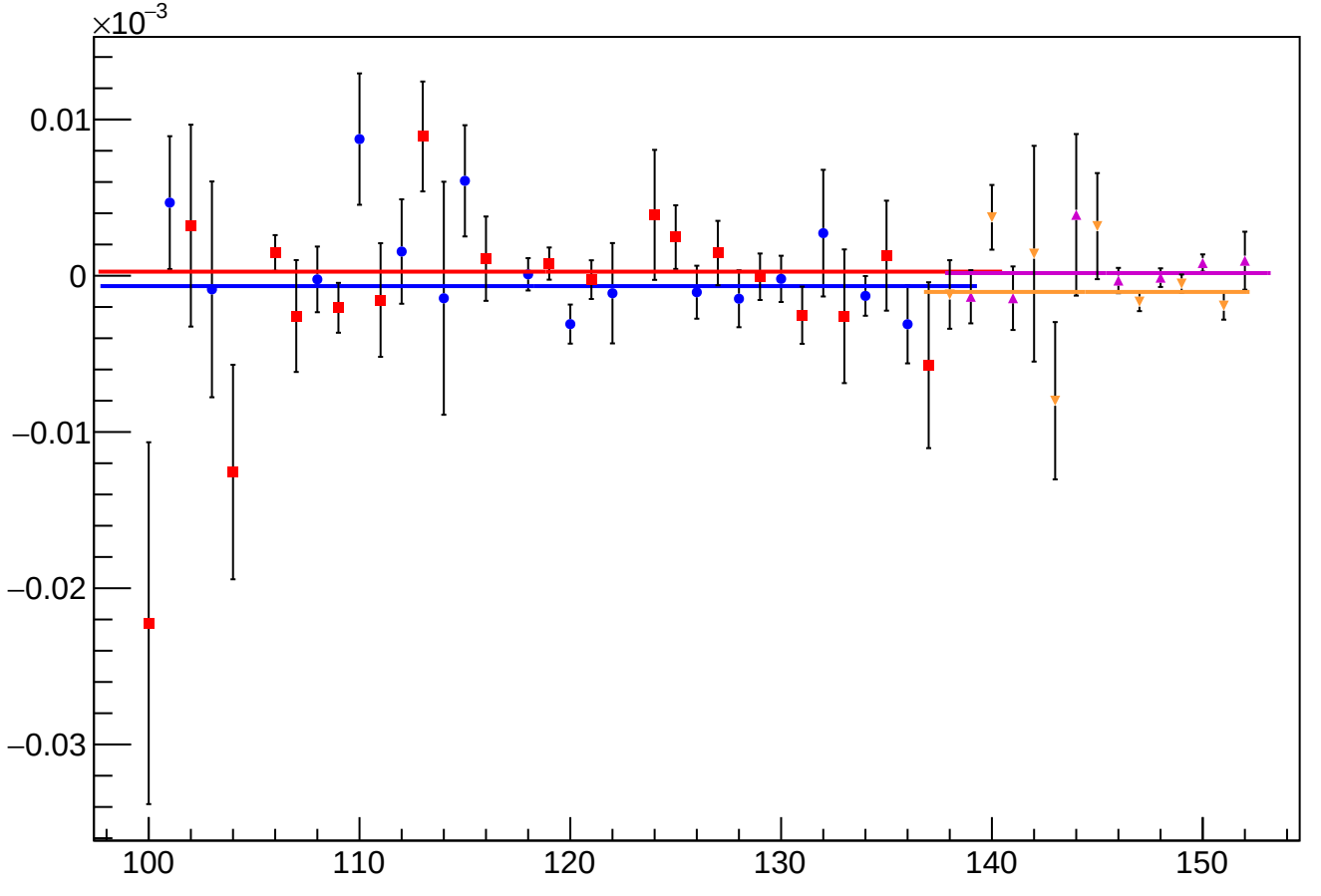
Left: 60.781+/-0.014 χ^2/NDF: 961096.9/14

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 59.606+/-0.014 χ^2/NDF:3686132.3/22

Out: 61.474+/-0.014 χ^2/NDF:3173684.7/26

All: 60.527+/-0.010 χ^2/NDF: 6868968.7/49



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:4.1/6

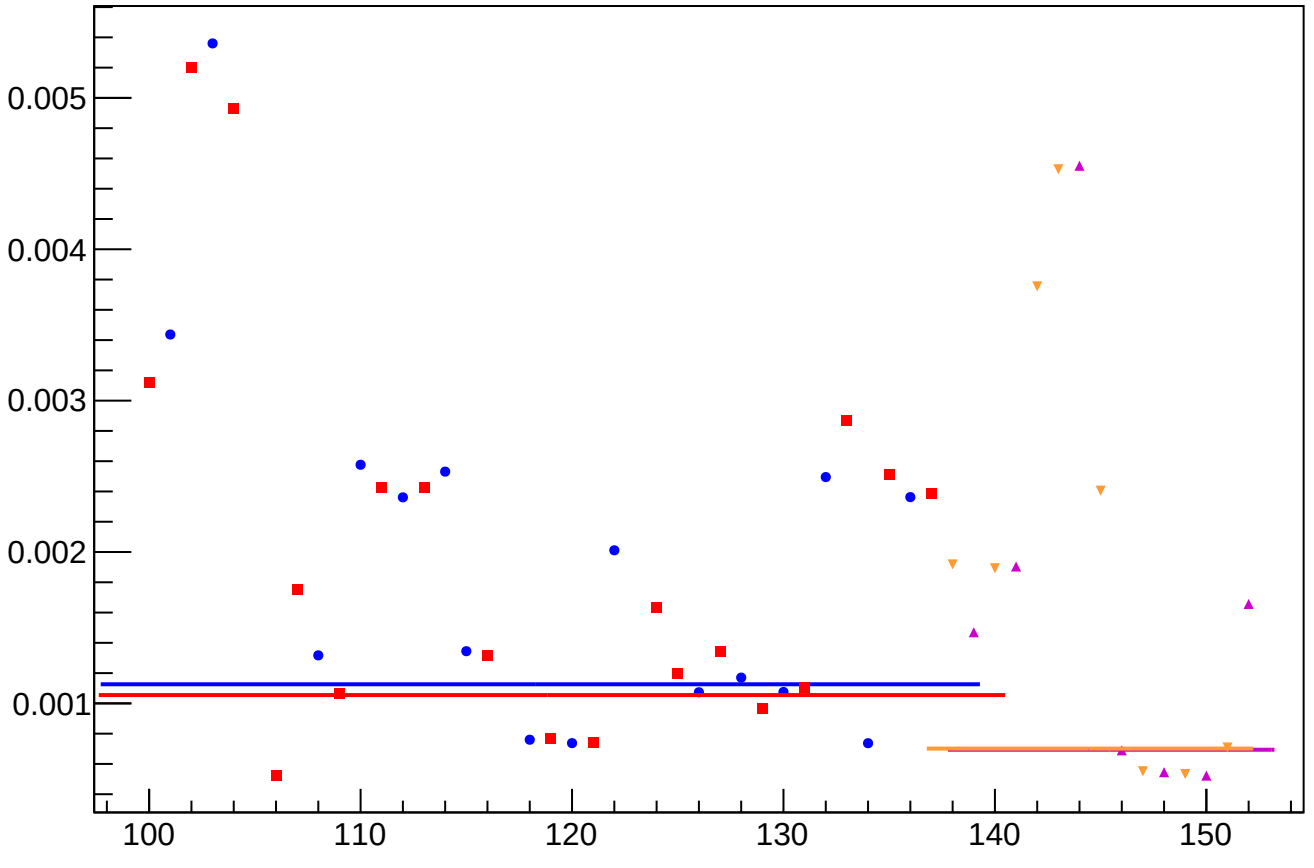
Left: -0.000+/-0.000 χ^2/NDF: 21.6/14

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:23.3/22

Out: -0.000+/-0.000 χ^2/NDF:41.1/26

All: -0.000+/-0.000 χ^2/NDF: 65.6/49



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:3092125.7/6

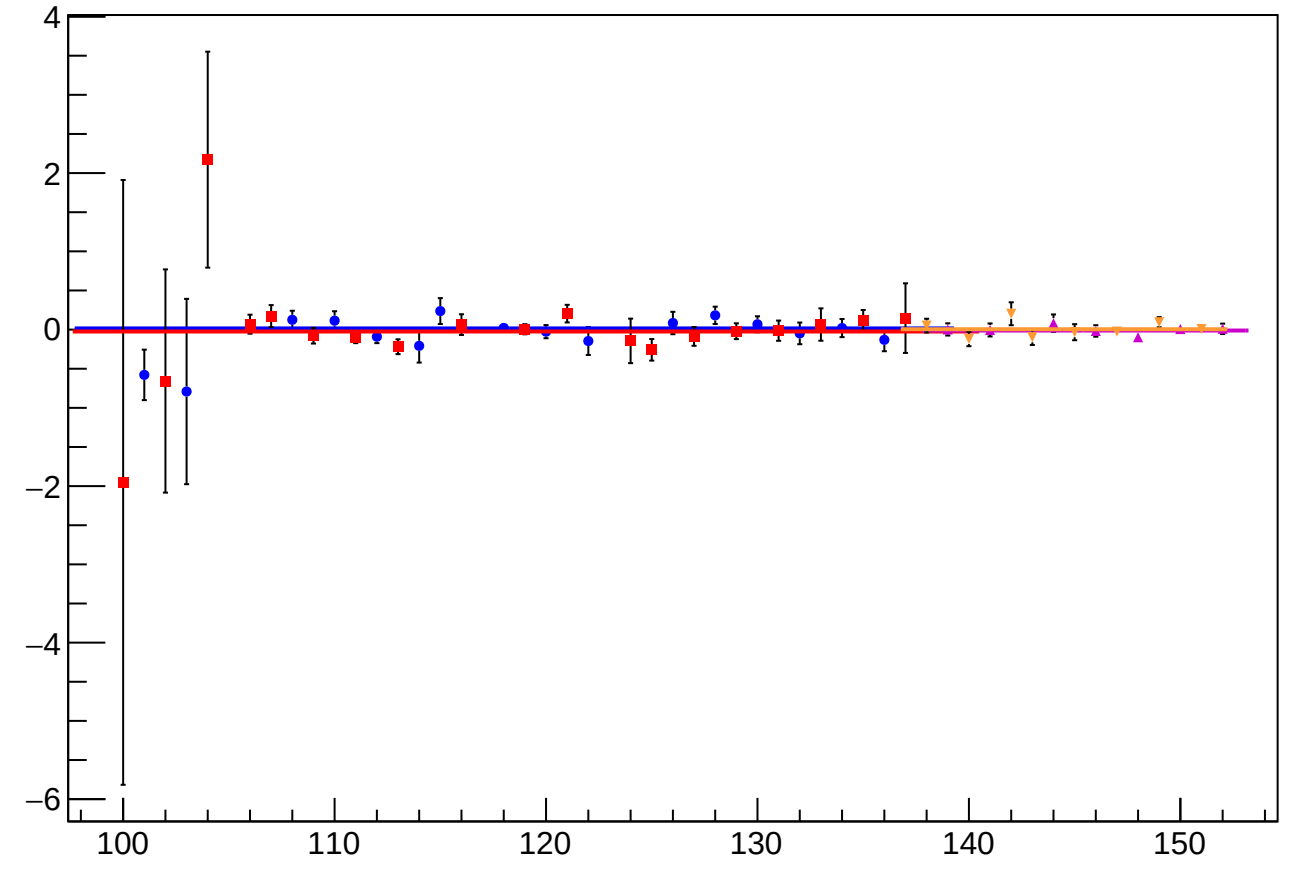
Left: 0.001+/-0.000 χ^2/NDF: 6708233.1/14

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:7591363.9/22

Out: 0.001+/-0.000 χ^2/NDF:8179361.4/26

All: 0.001+/-0.000 χ^2/NDF: 15770734.3/49



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: -0.012+/-0.027 χ^2/NDF:2.8/6

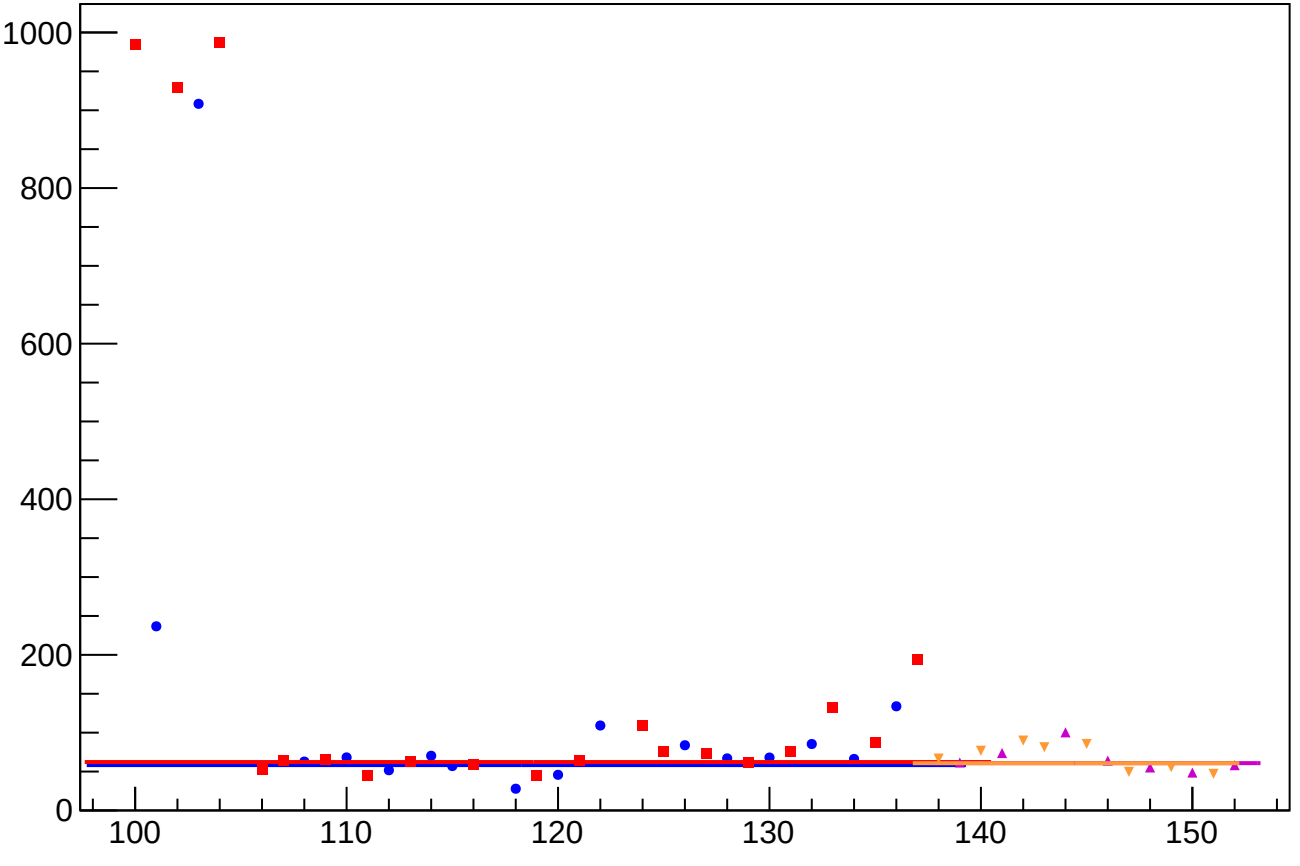
Left: -0.004+/-0.019 χ^2/NDF: 10.3/14

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.019 χ^2/NDF:18.3/22

Out: -0.010+/-0.020 χ^2/NDF:28.7/26

All: -0.004+/-0.014 χ^2/NDF: 47.1/49



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: 60.825+/-0.019 χ^2/NDF:417351.9/6

Left: 60.781+/-0.014 χ^2/NDF: 961117.9/14

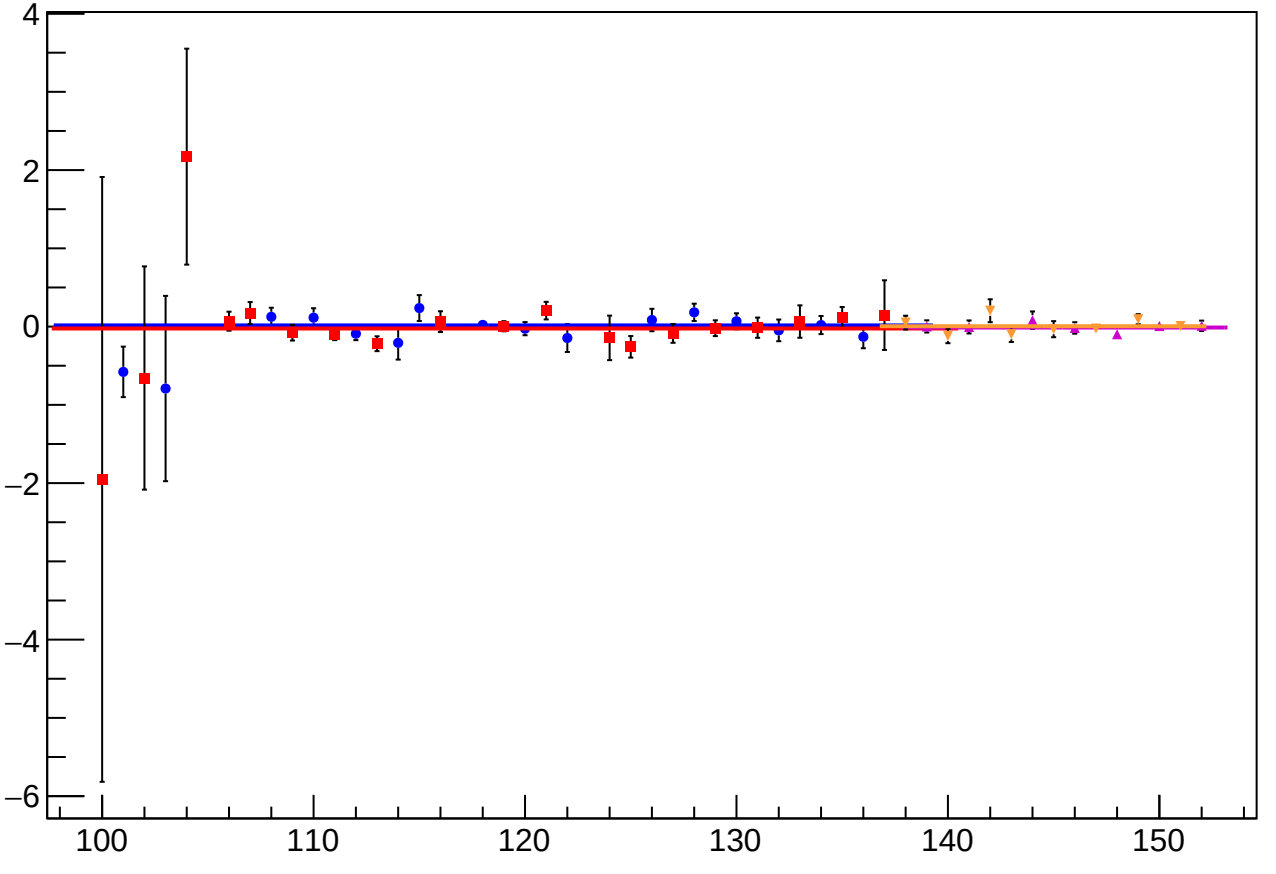
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 59.606+/-0.014 χ^2/NDF:3686232.9/22

Out: 61.474+/-0.014 χ^2/NDF:3173685.1/26

All: 60.526+/-0.010 χ^2/NDF: 6869069.6/49

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.028 χ^2/NDF:7.3/7

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.012+/-0.027 χ^2/NDF:2.8/6

Left: -0.004+/-0.019 χ^2/NDF: 10.3/14

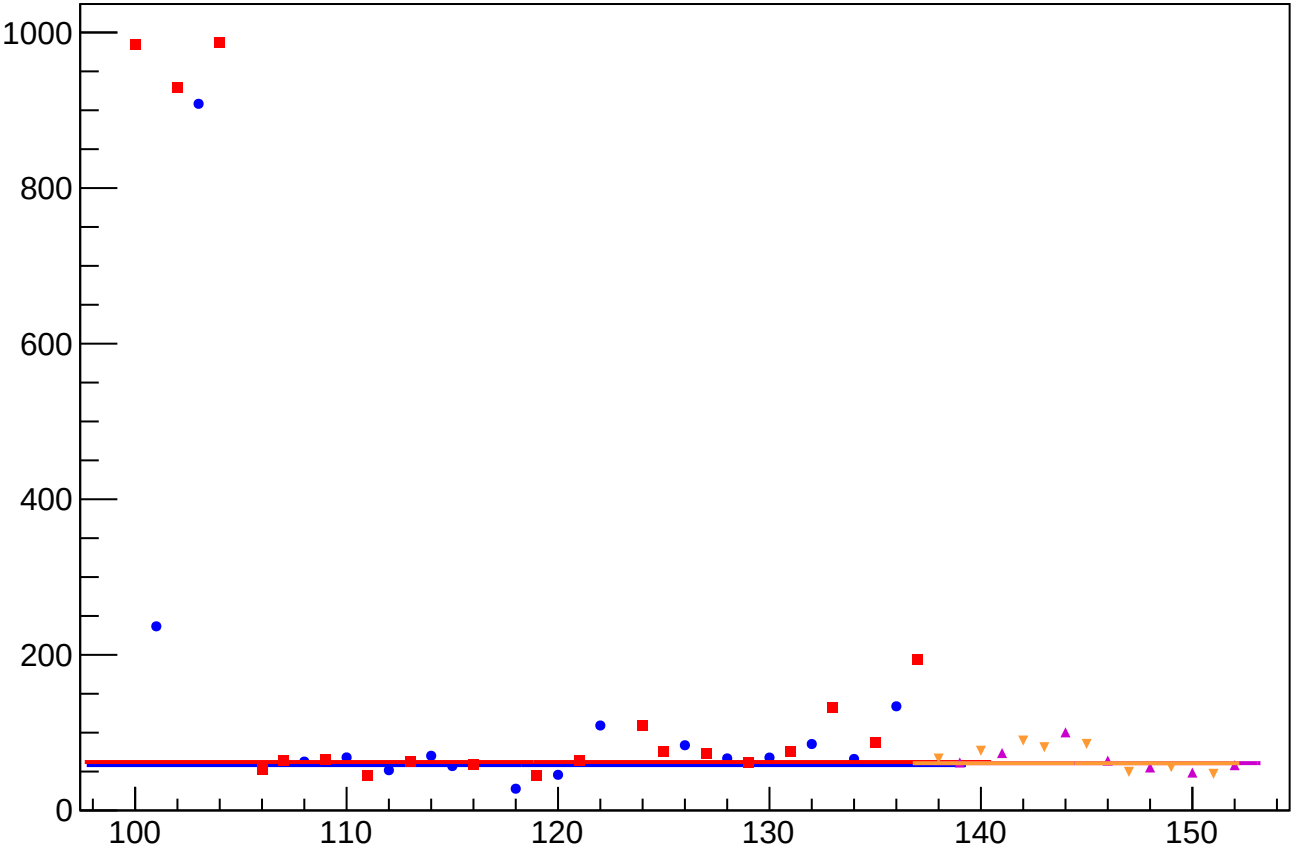
Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.019 χ^2/NDF:18.3/22

Out: -0.010+/-0.020 χ^2/NDF:28.7/26

All: -0.004+/-0.014 χ^2/NDF: 47.1/49

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: 60.825+/-0.019 χ^2/NDF:417351.9/6

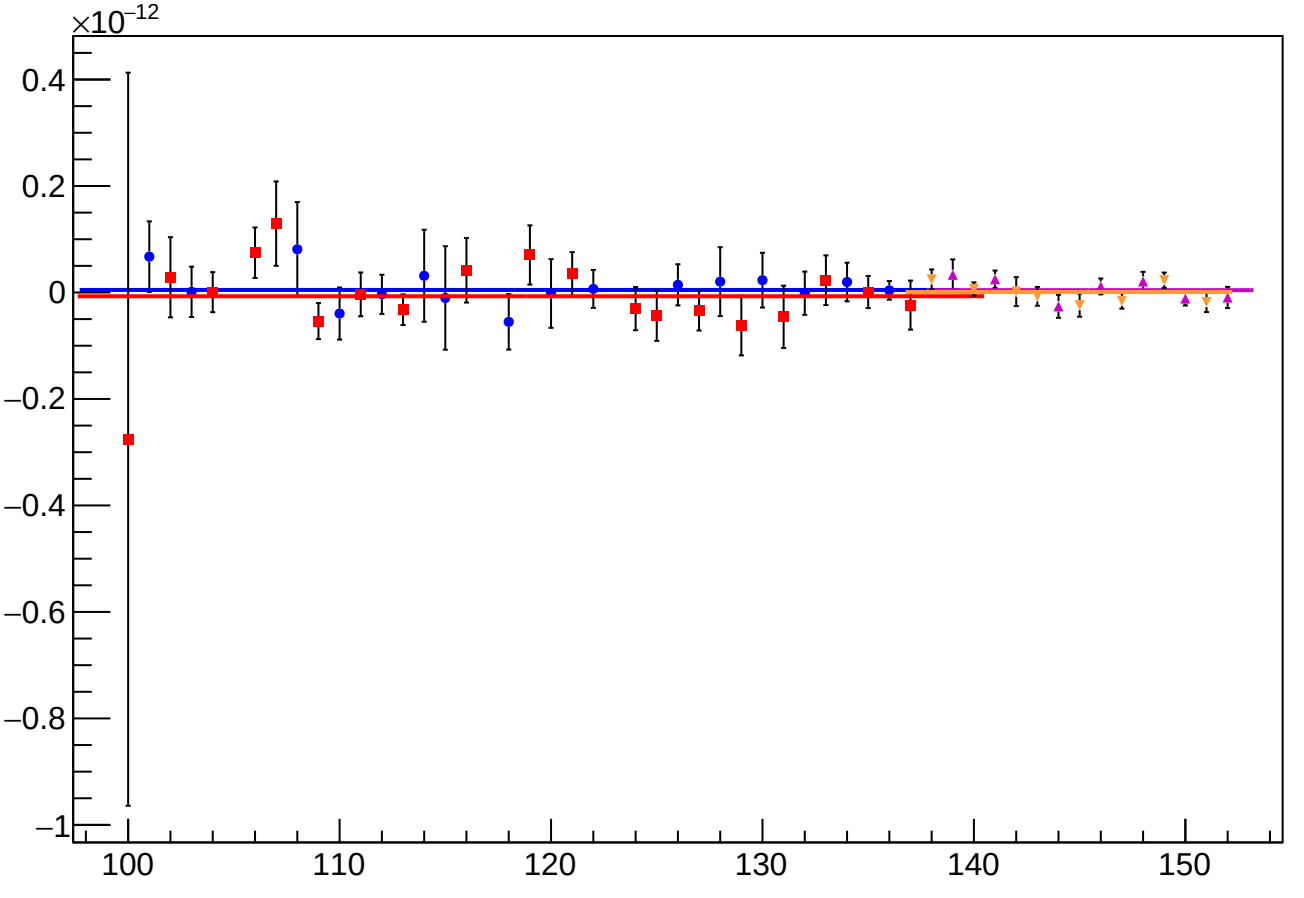
Left: 60.781+/-0.014 χ^2/NDF: 961117.9/14

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 59.606+/-0.014 χ^2/NDF:3686232.9/22

Out: 61.474+/-0.014 χ^2/NDF:3173685.1/26

All: 60.526+/-0.010 χ^2/NDF: 6869069.6/49



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:7.5/6

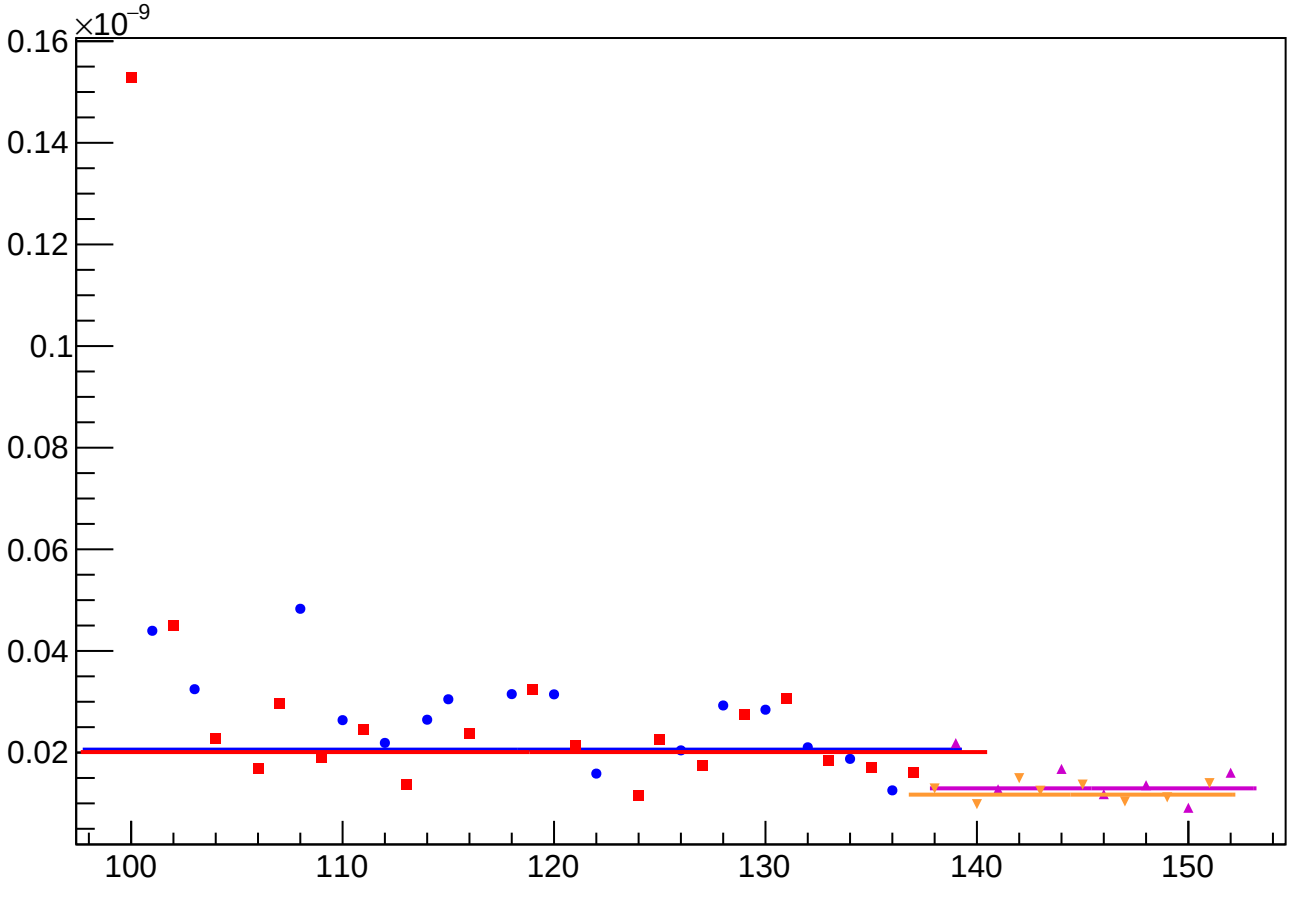
Left: 0.000+/-0.000 χ^2/NDF: 15.7/14

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:12.0/22

Out: -0.000+/-0.000 χ^2/NDF:24.6/26

All: 0.000+/-0.000 χ^2/NDF: 37.1/49



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:487962.3/6

Left: 0.000+/-0.000 χ^2/NDF: 676848.7/14

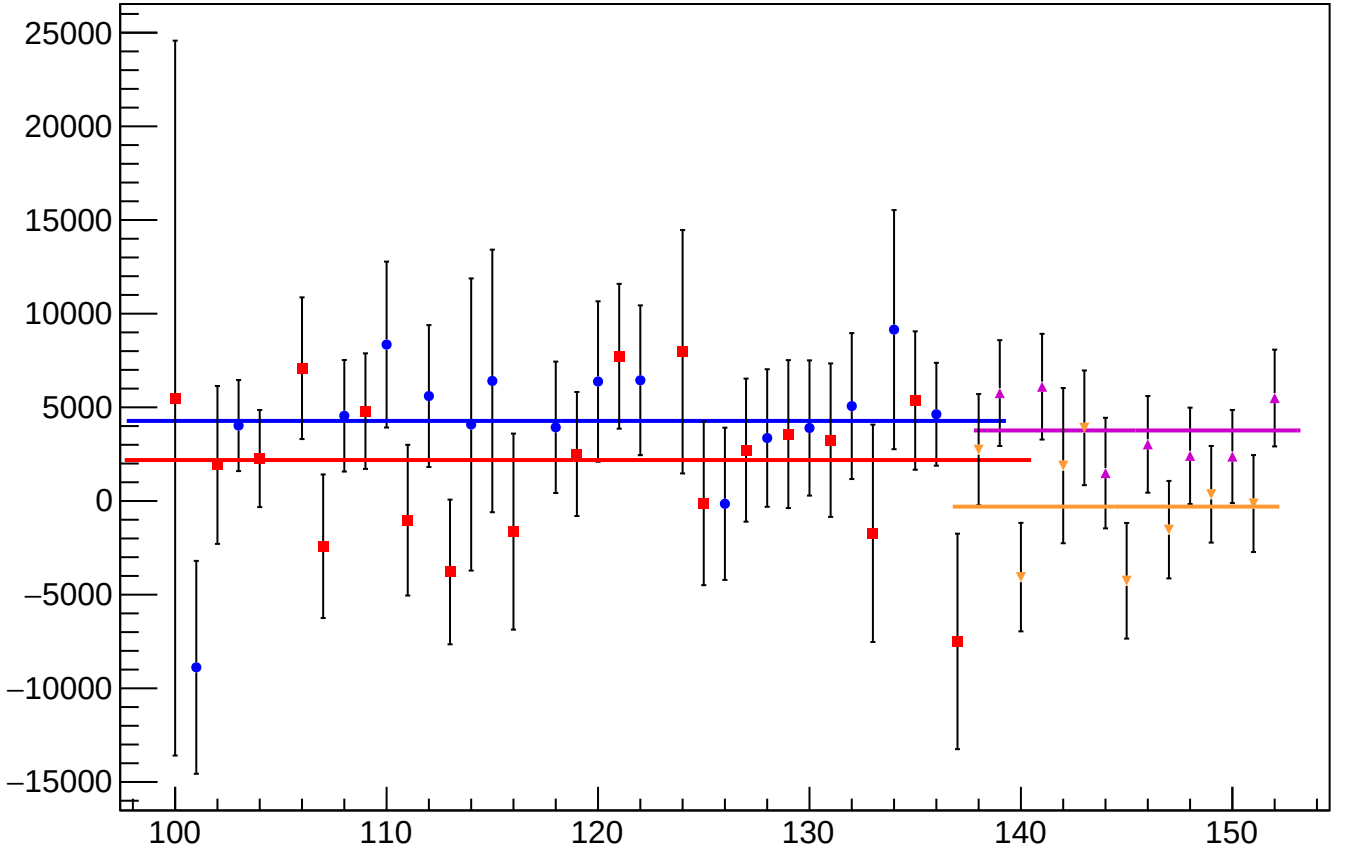
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:2590841.5/22

Out: 0.000+/-0.000 χ^2/NDF:1980345.3/26

All: 0.000+/-0.000 χ^2/NDF: 4630767.3/49

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: 3765.966+/-1010.860 χ^2/NDF:2.9/6

Left: 1762.683+/-720.063 χ^2/NDF: 17.7/14

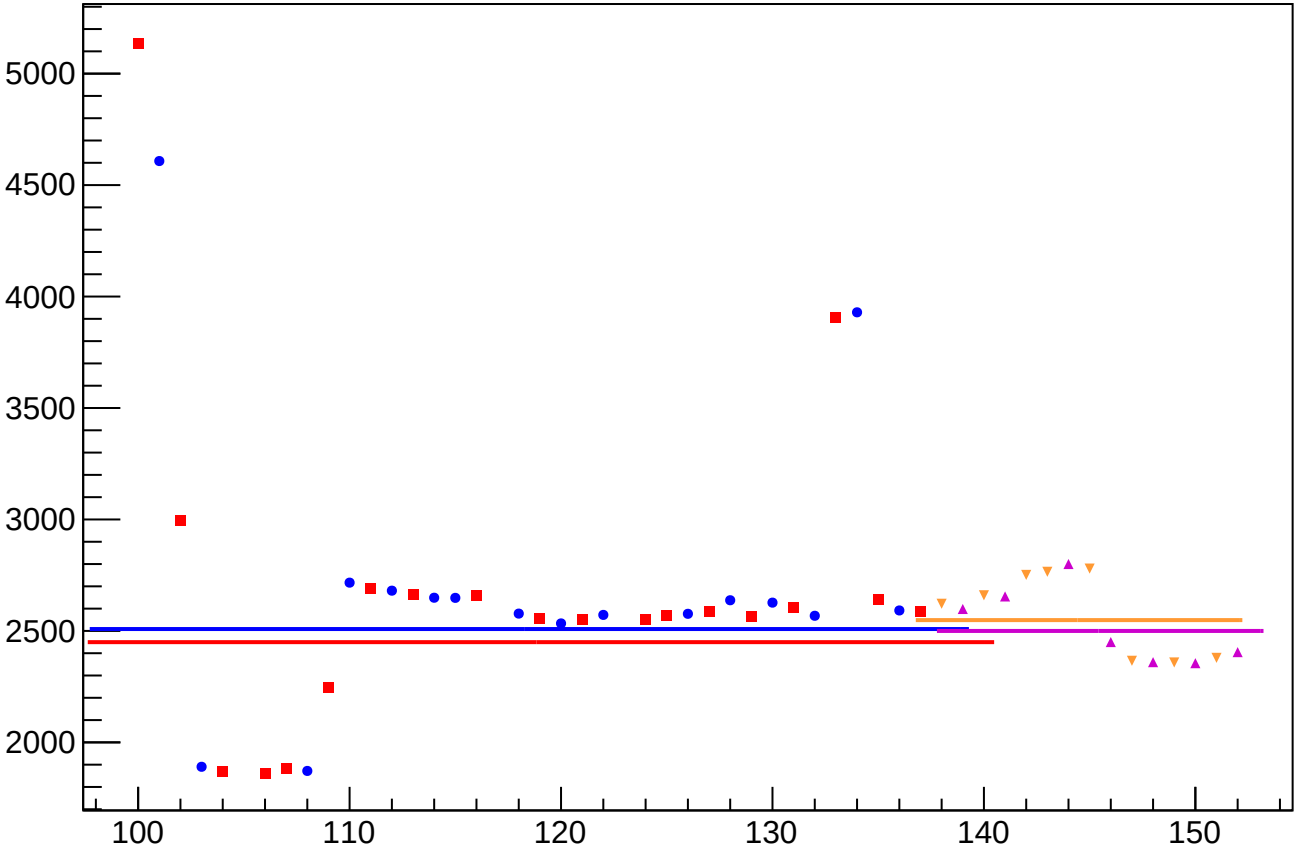
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 4035.424+/-693.023 χ^2/NDF:11.9/22

Out: 1074.909+/-685.811 χ^2/NDF:24.9/26

All: 2539.681+/-487.471 χ^2/NDF: 46.0/49

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: 2499.908+/-0.715 χ^2/NDF:45292.1/6

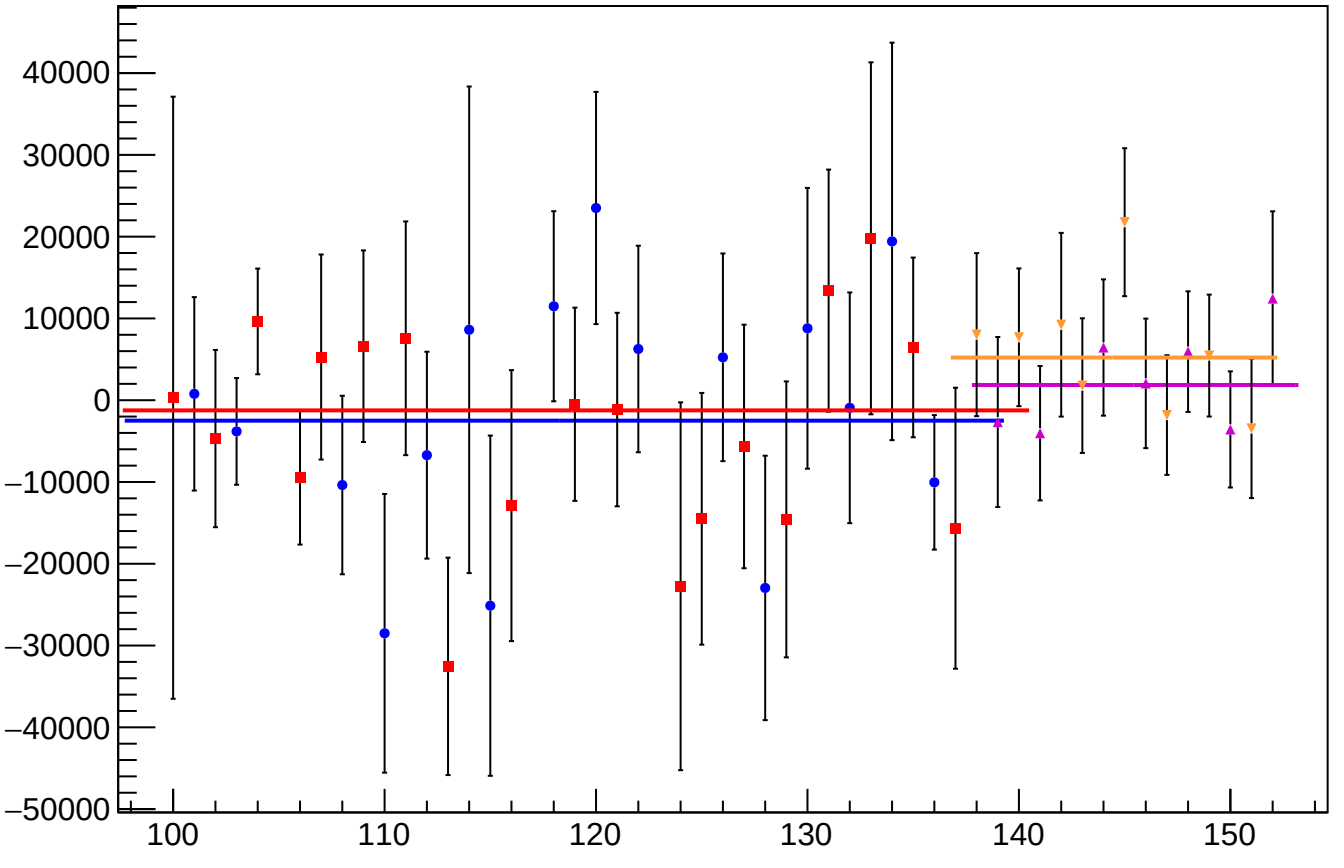
Left: 2523.849+/-0.509 χ^2/NDF: 107035.4/14

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2504.444+/-0.490 χ^2/NDF:656957.7/22

Out: 2493.809+/-0.485 χ^2/NDF:506644.8/26

All: 2499.071+/-0.345 χ^2/NDF: 1163840.5/49



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: 1861.402+/-3140.399 χ^2/NDF:2.9/6

Left: 3603.161+/-2177.335 χ^2/NDF: 9.2/14

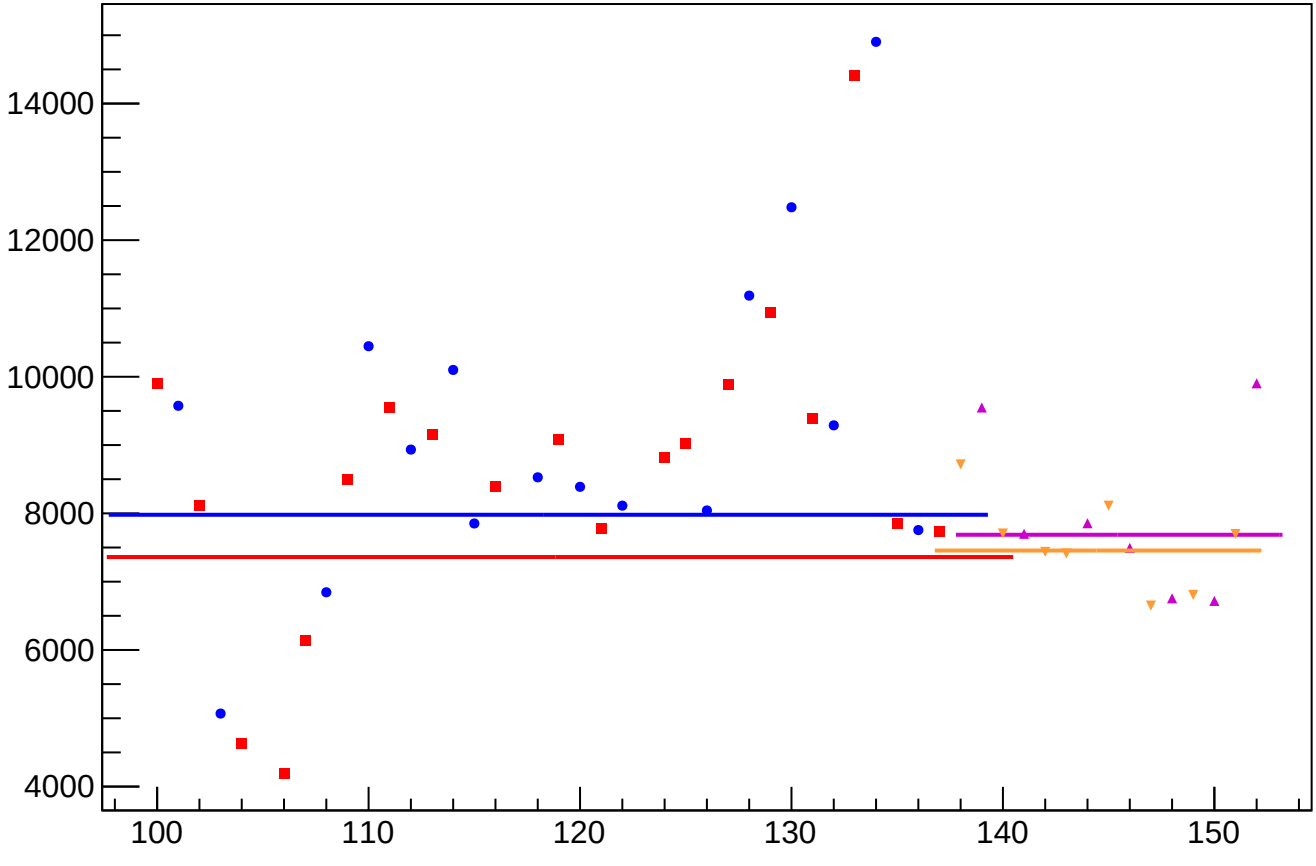
Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -365.081+/-2197.322 χ^2/NDF:17.6/22

Out: 1800.168+/-2074.279 χ^2/NDF:24.8/26

All: 779.861+/-1508.360 χ^2/NDF: 42.9/49

asym_atr2_reg_correction_rms vs Slug, Sign Corrected



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: 7686.727+/-2.221 χ^2/NDF:221704.3/6

Left: 7566.845+/-1.540 χ^2/NDF: 312738.9/14

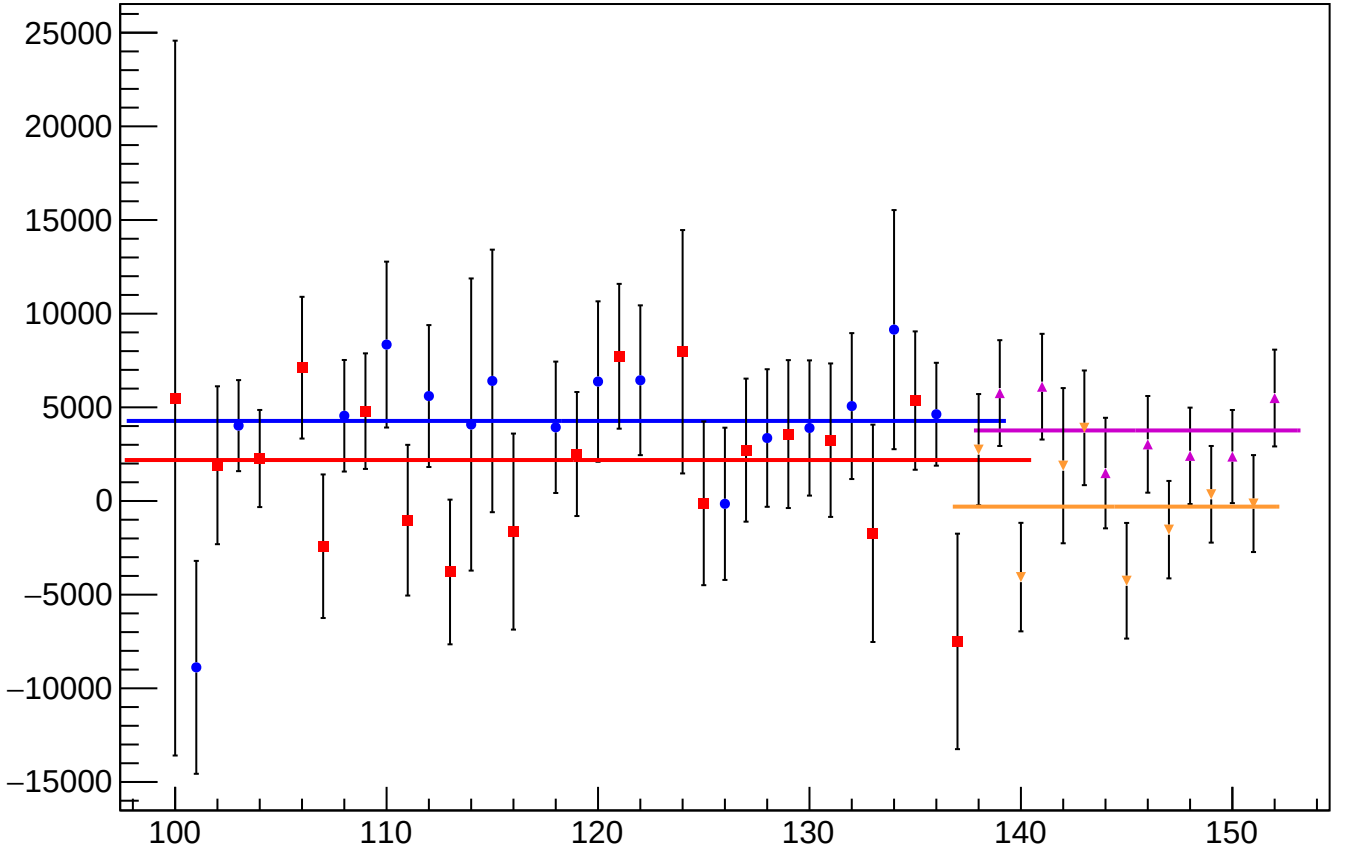
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 7836.160+/-1.554 χ^2/NDF:1153660.1/22

Out: 7405.576+/-1.467 χ^2/NDF:1372478.8/26

All: 7608.475+/-1.067 χ^2/NDF: 2566749.1/49

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: 3766.073+/-1010.860 χ^2/NDF:2.9/6

Left: 1762.658+/-720.063 χ^2/NDF: 17.7/14

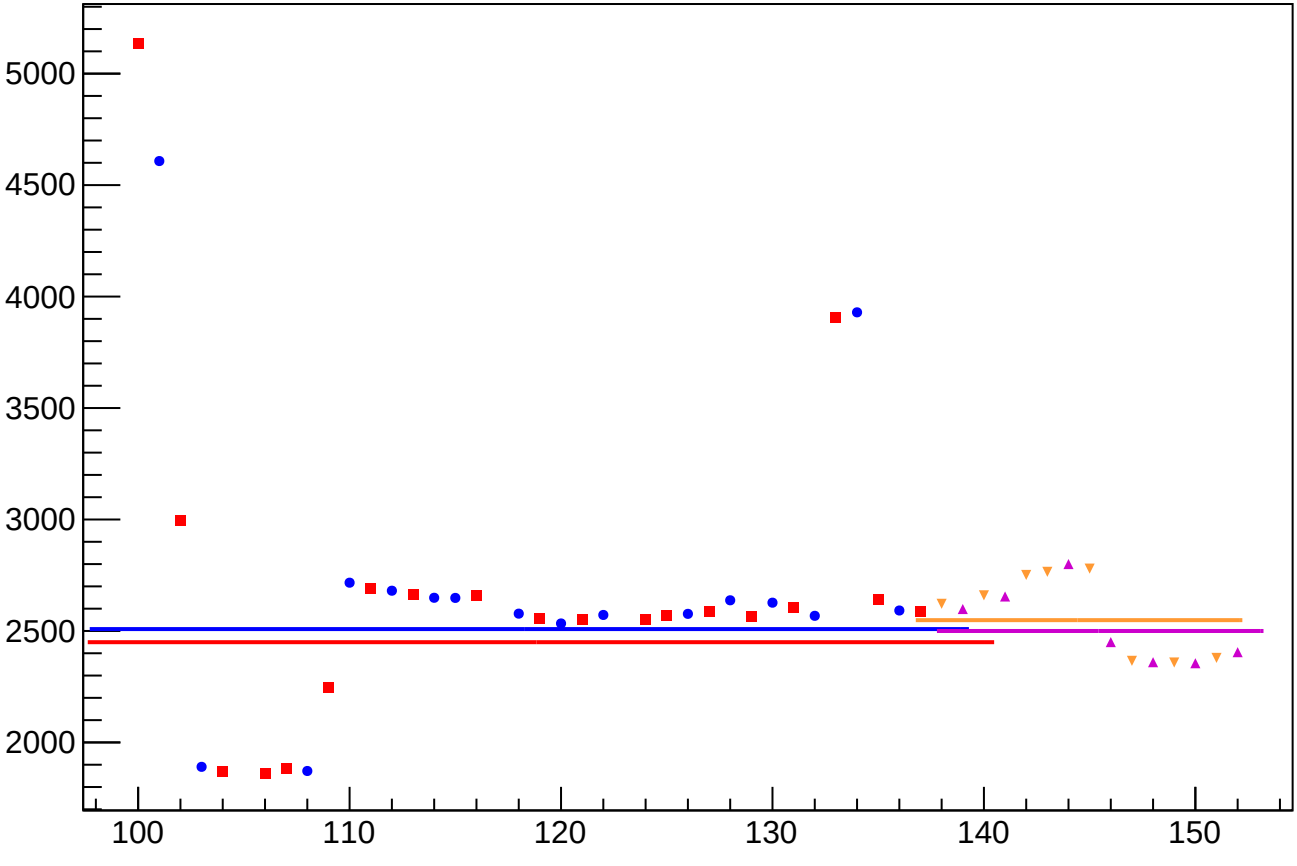
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4035.214+/-693.023 χ^2/NDF:11.9/22

Out: 1075.172+/-685.814 χ^2/NDF:24.9/26

All: 2539.717+/-487.473 χ^2/NDF: 46.1/49

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: 2499.908+/-0.715 χ^2/NDF:45292.1/6

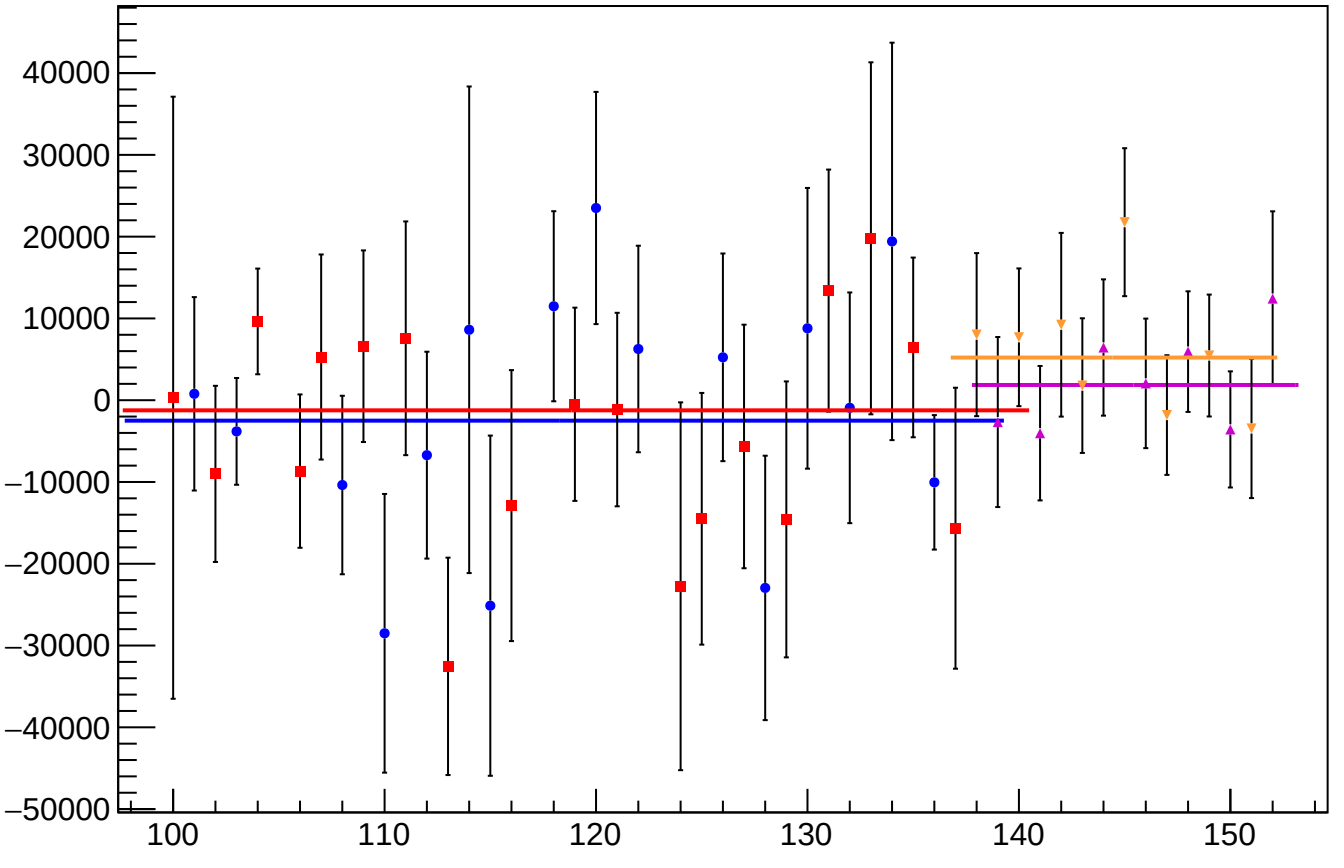
Left: 2523.849+/-0.509 χ^2/NDF: 107035.4/14

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2504.444+/-0.490 χ^2/NDF:656955.5/22

Out: 2493.823+/-0.485 χ^2/NDF:506585.3/26

All: 2499.078+/-0.345 χ^2/NDF: 1163778.2/49



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: 1861.547+/-3140.399 χ^2/NDF:2.9/6

Left: 3603.224+/-2177.332 χ^2/NDF: 9.2/14

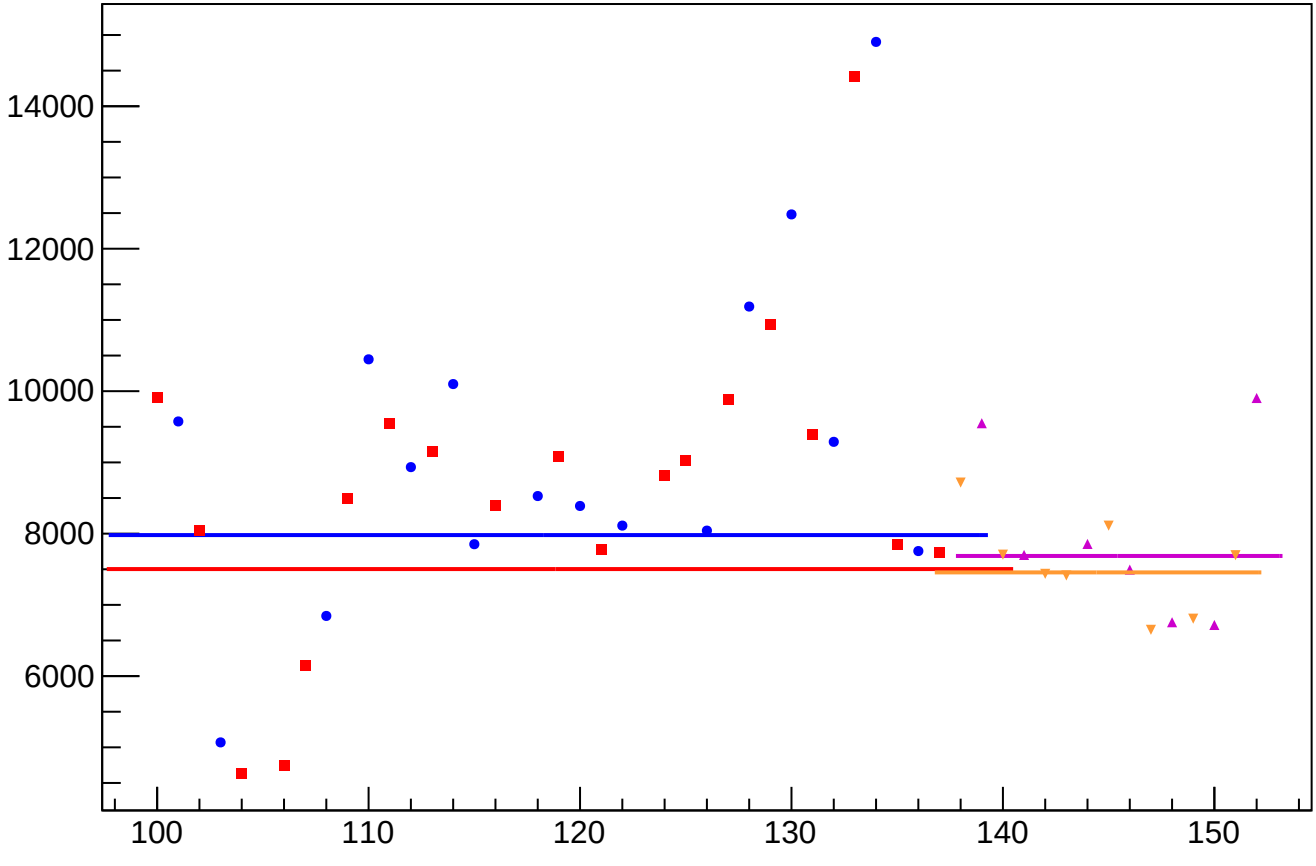
Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -364.834+/-2197.354 χ^2/NDF:17.6/22

Out: 1848.157+/-2089.776 χ^2/NDF:24.8/26

All: 797.157+/-1514.298 χ^2/NDF: 42.9/49

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: 7686.726+/-2.221 χ^2/NDF:221707.2/6

Left: 7566.835+/-1.540 χ^2/NDF: 312743.4/14

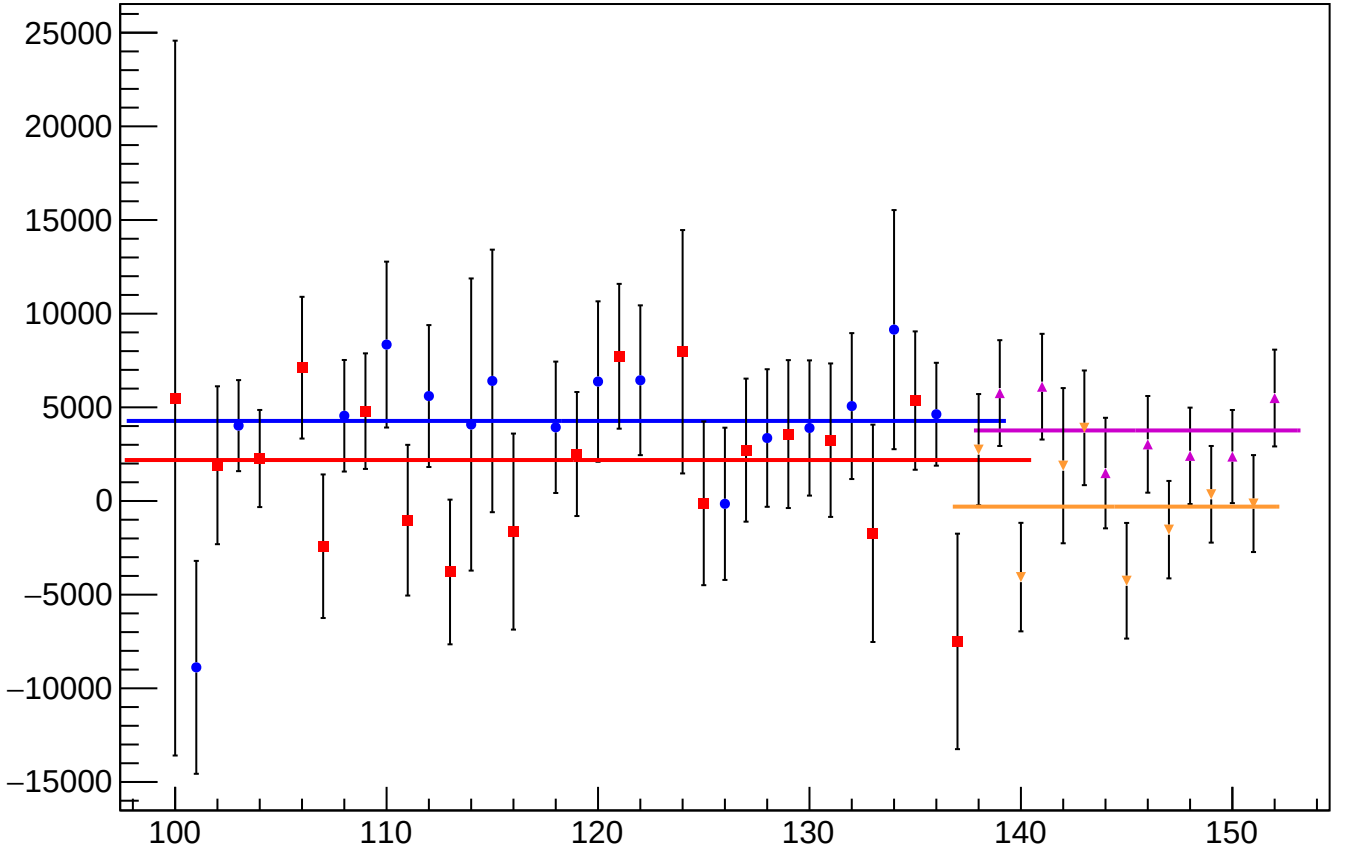
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7836.321+/-1.554 χ^2/NDF:1153384.0/22

Out: 7480.282+/-1.478 χ^2/NDF:1221197.0/26

All: 7649.373+/-1.071 χ^2/NDF: 2402151.7/49

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: 3766.073+/-1010.860 χ^2/NDF:2.9/6

Left: 1762.658+/-720.063 χ^2/NDF: 17.7/14

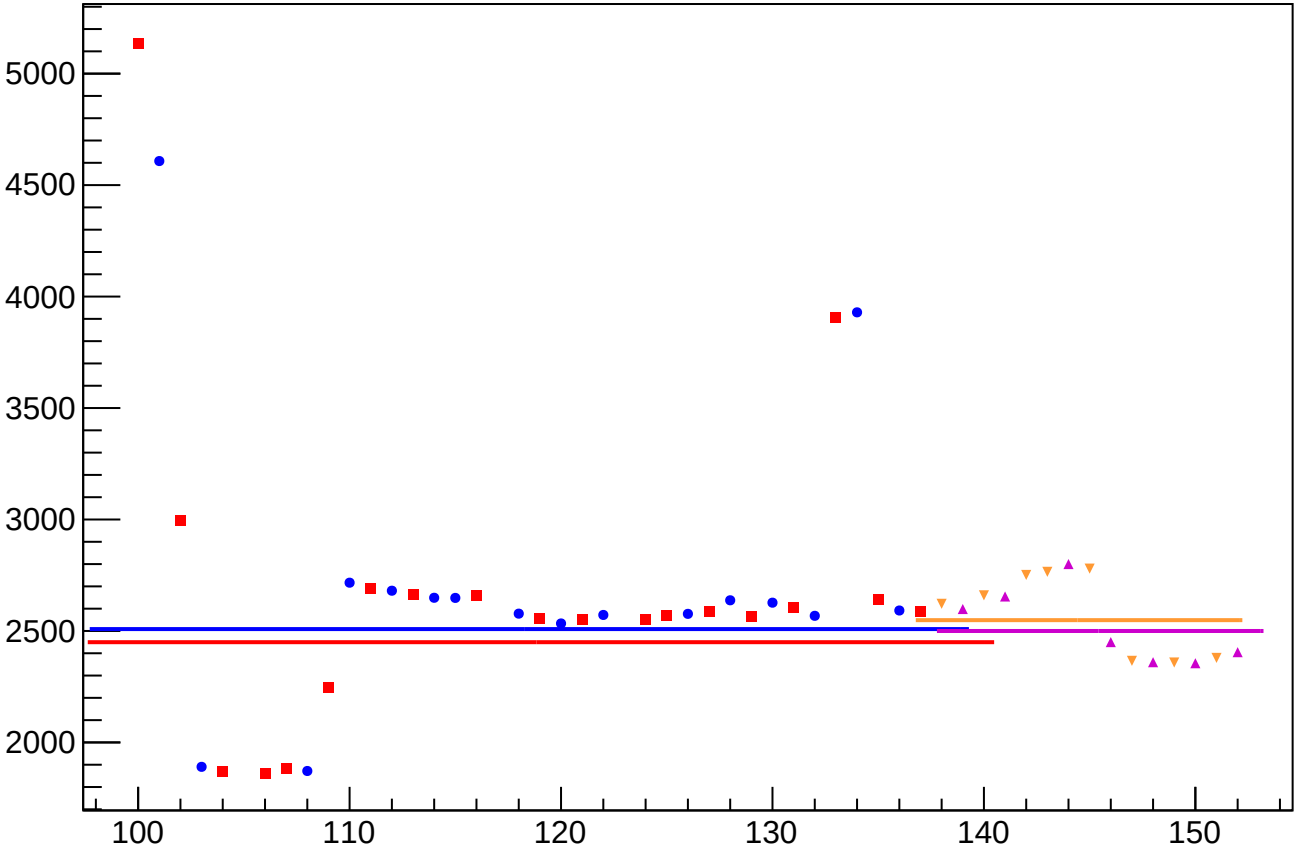
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4035.214+/-693.023 χ^2/NDF:11.9/22

Out: 1075.172+/-685.814 χ^2/NDF:24.9/26

All: 2539.717+/-487.473 χ^2/NDF: 46.1/49

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: 2499.908+/-0.715 χ^2/NDF:45292.1/6

Left: 2523.849+/-0.509 χ^2/NDF: 107035.4/14

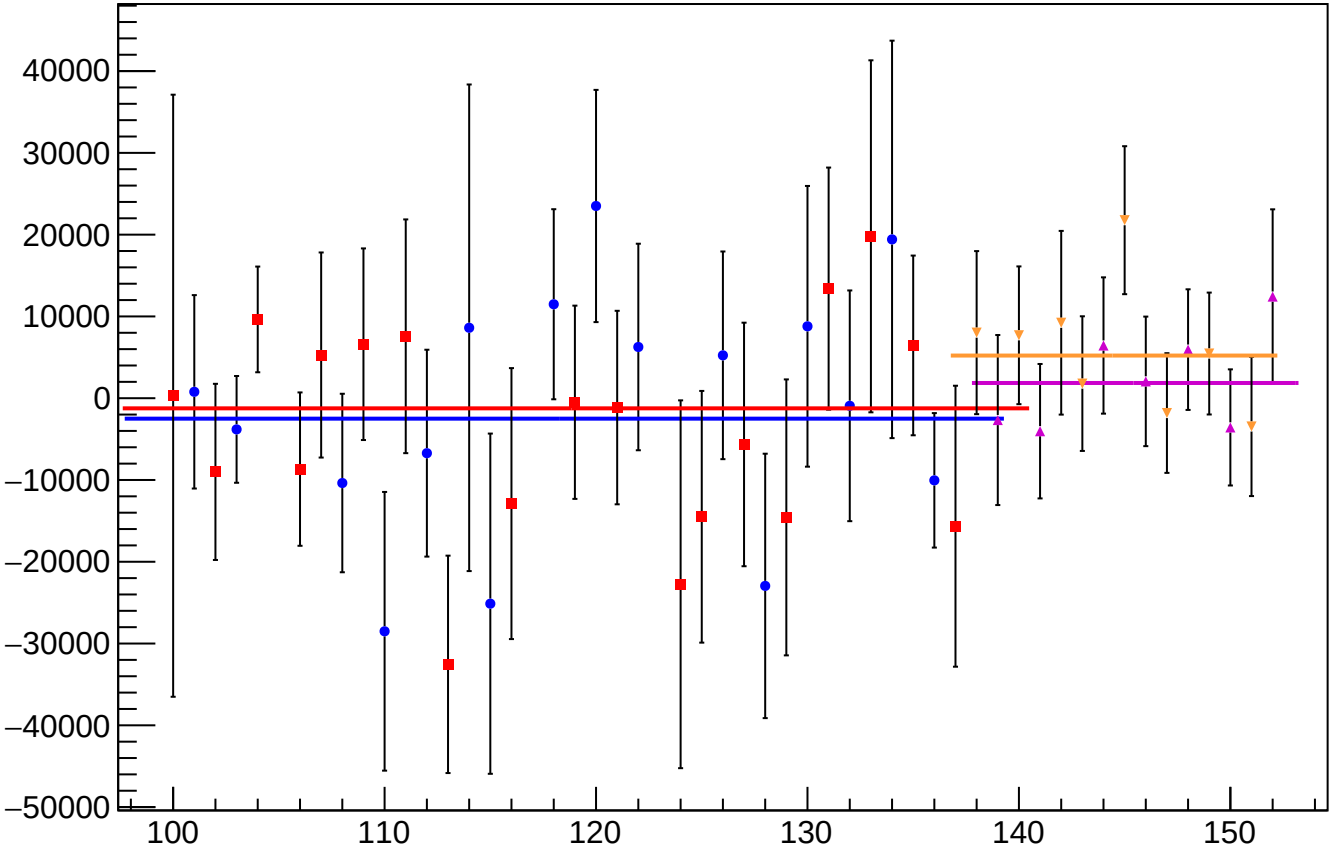
Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2504.444+/-0.490 χ^2/NDF:656955.5/22

Out: 2493.823+/-0.485 χ^2/NDF:506585.3/26

All: 2499.078+/-0.345 χ^2/NDF: 1163778.2/49

asym_atr2_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 1861.547+/-3140.399 χ^2/NDF:2.9/6

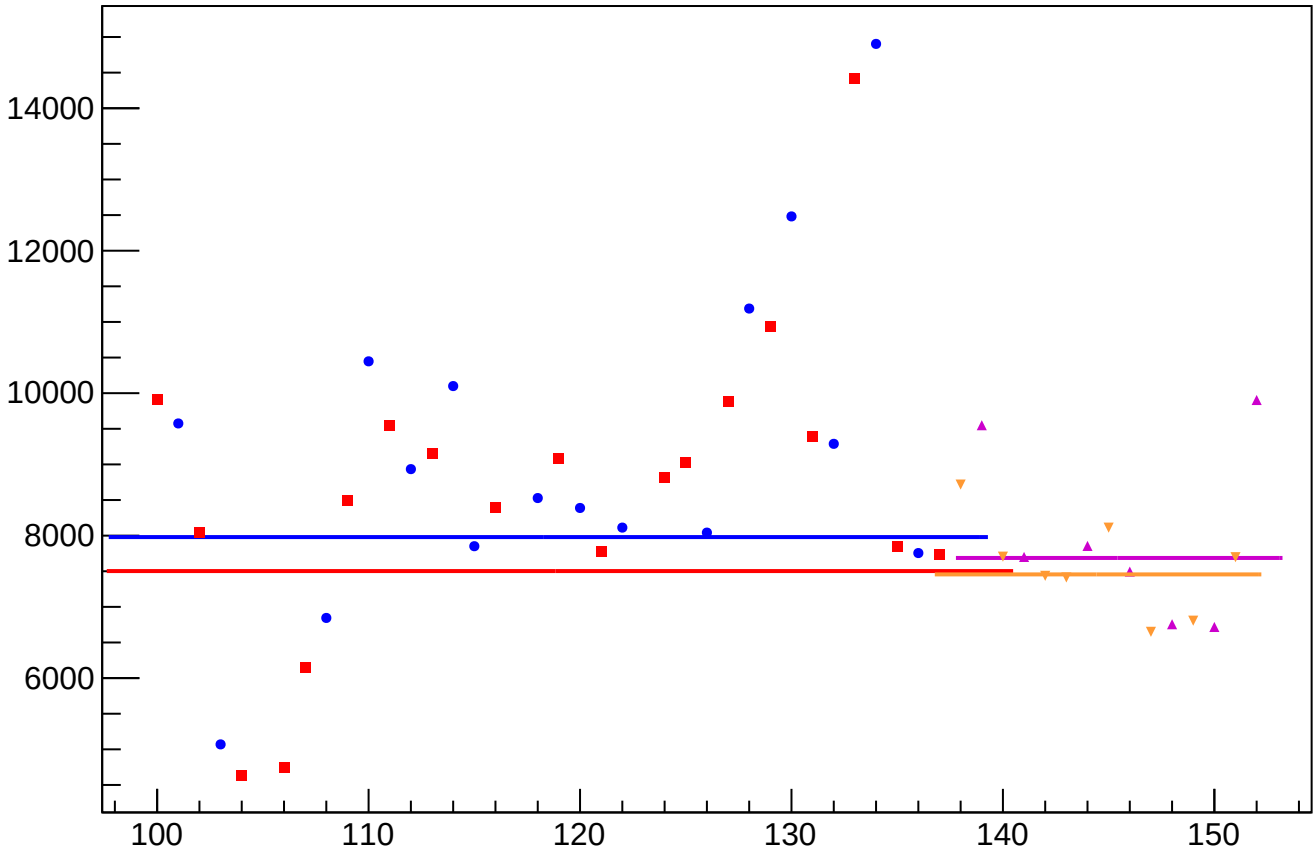
Left: 3603.224+/-2177.332 χ^2/NDF: 9.2/14

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -364.834+/-2197.354 χ^2/NDF:17.6/22

Out: 1848.157+/-2089.776 χ^2/NDF:24.8/26

All: 797.157+/-1514.298 χ^2/NDF: 42.9/49



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: 7686.726+/-2.221 χ^2/NDF:221707.2/6

Left: 7566.835+/-1.540 χ^2/NDF: 312743.4/14

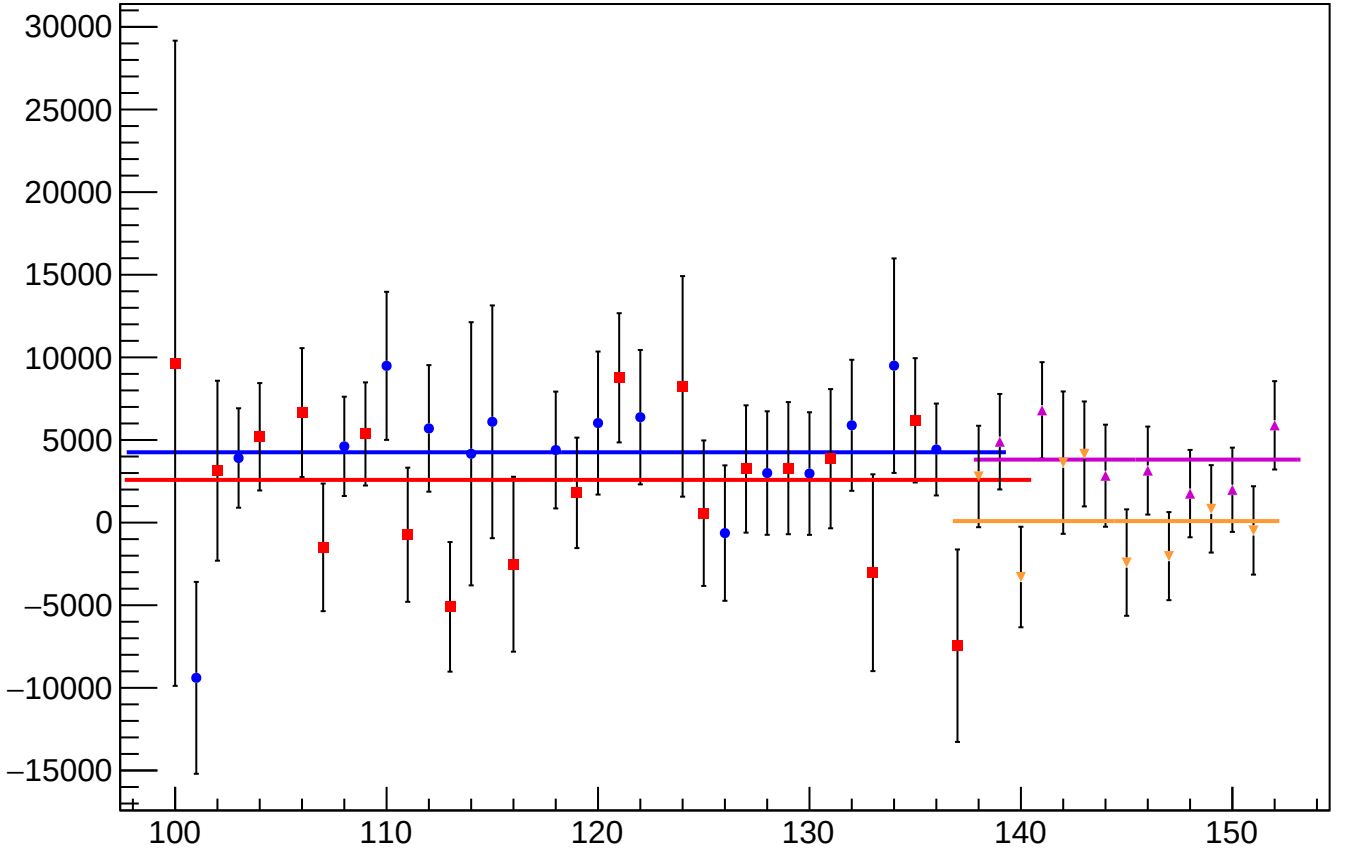
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7836.321+/-1.554 χ^2/NDF:1153384.0/22

Out: 7480.282+/-1.478 χ^2/NDF:1221197.0/26

All: 7649.373+/-1.071 χ^2/NDF: 2402151.7/49

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: 3813.446+/-1042.490 χ^2/NDF:3.1/6

Left: 1986.920+/-743.860 χ^2/NDF: 15.0/14

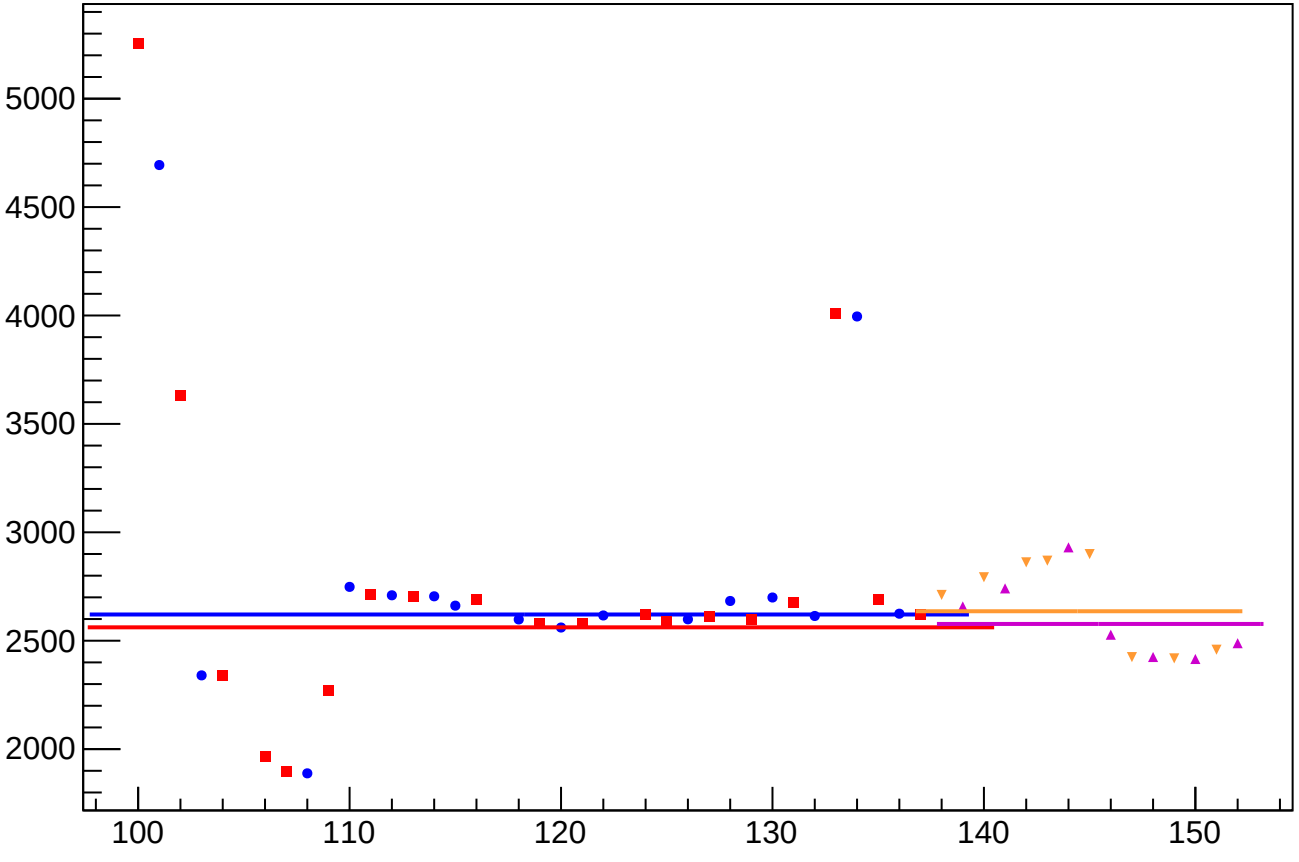
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4046.537+/-718.082 χ^2/NDF:13.2/22

Out: 1455.862+/-714.536 χ^2/NDF:26.3/26

All: 2744.788+/-506.502 χ^2/NDF: 46.1/49

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: 2577.307+/-0.737 χ^2/NDF:51649.3/6

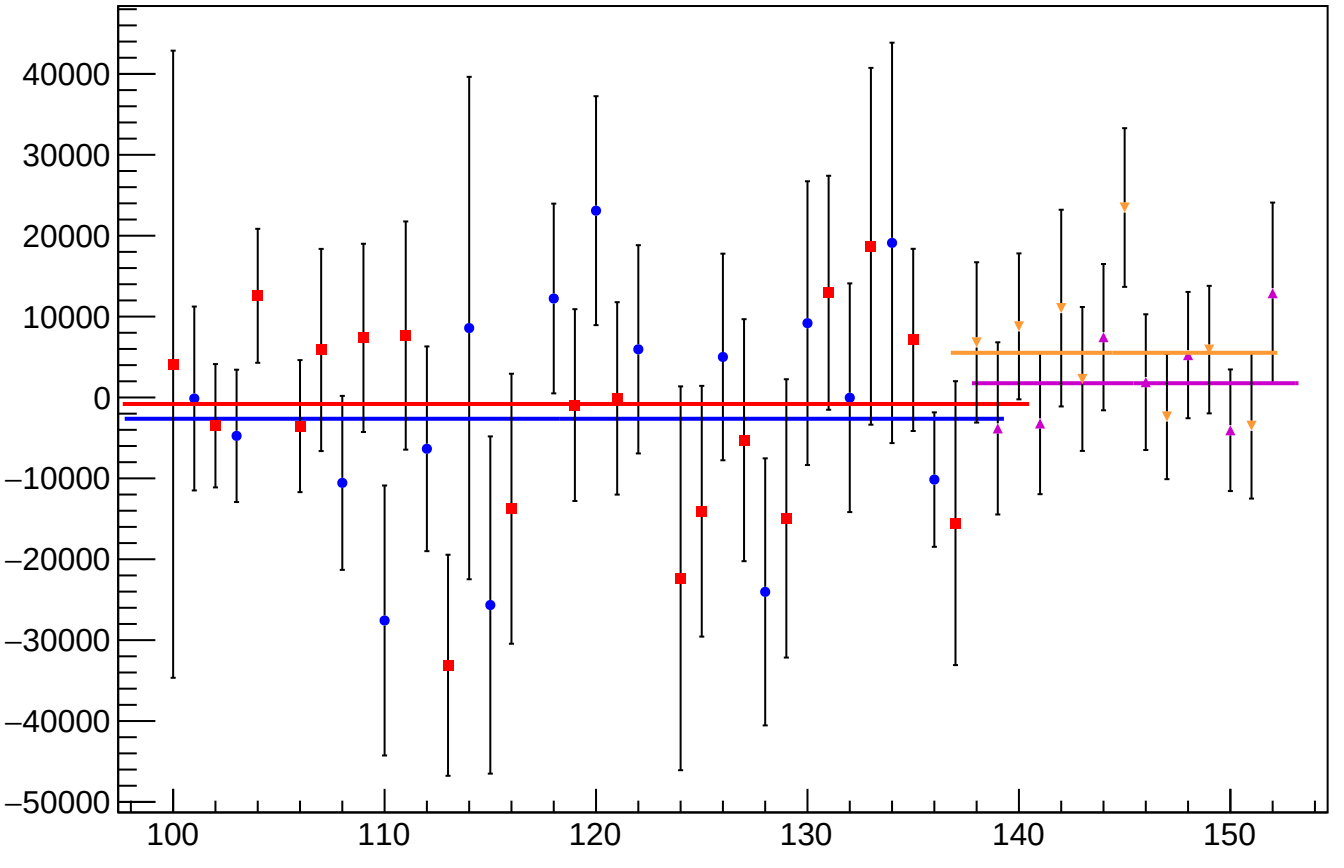
Left: 2606.069+/-0.526 χ^2/NDF: 125844.1/14

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2600.250+/-0.508 χ^2/NDF:539406.7/22

Out: 2595.296+/-0.505 χ^2/NDF:454697.2/26

All: 2597.760+/-0.358 χ^2/NDF: 994151.8/49



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: 1762.353+/-3325.681 χ^2/NDF:2.8/6

Left: 3713.573+/-2307.708 χ^2/NDF: 9.3/14

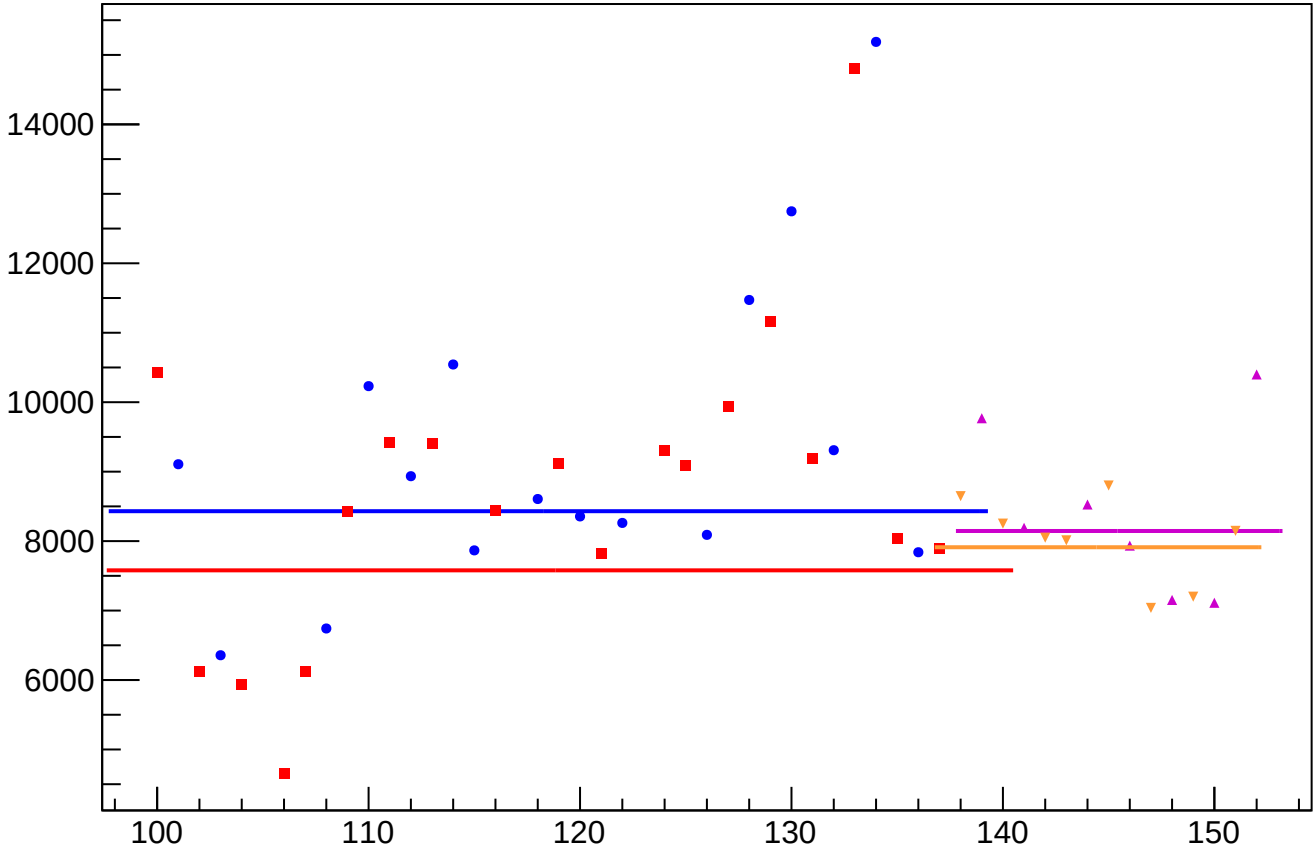
Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -511.509+/-2310.187 χ^2/NDF:17.5/22

Out: 2016.771+/-2139.227 χ^2/NDF:23.4/26

All: 849.633+/-1569.625 χ^2/NDF: 41.6/49

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: 8145.735+/-2.352 χ^2/NDF:202472.6/6

Left: 8024.368+/-1.632 χ^2/NDF: 281498.7/14

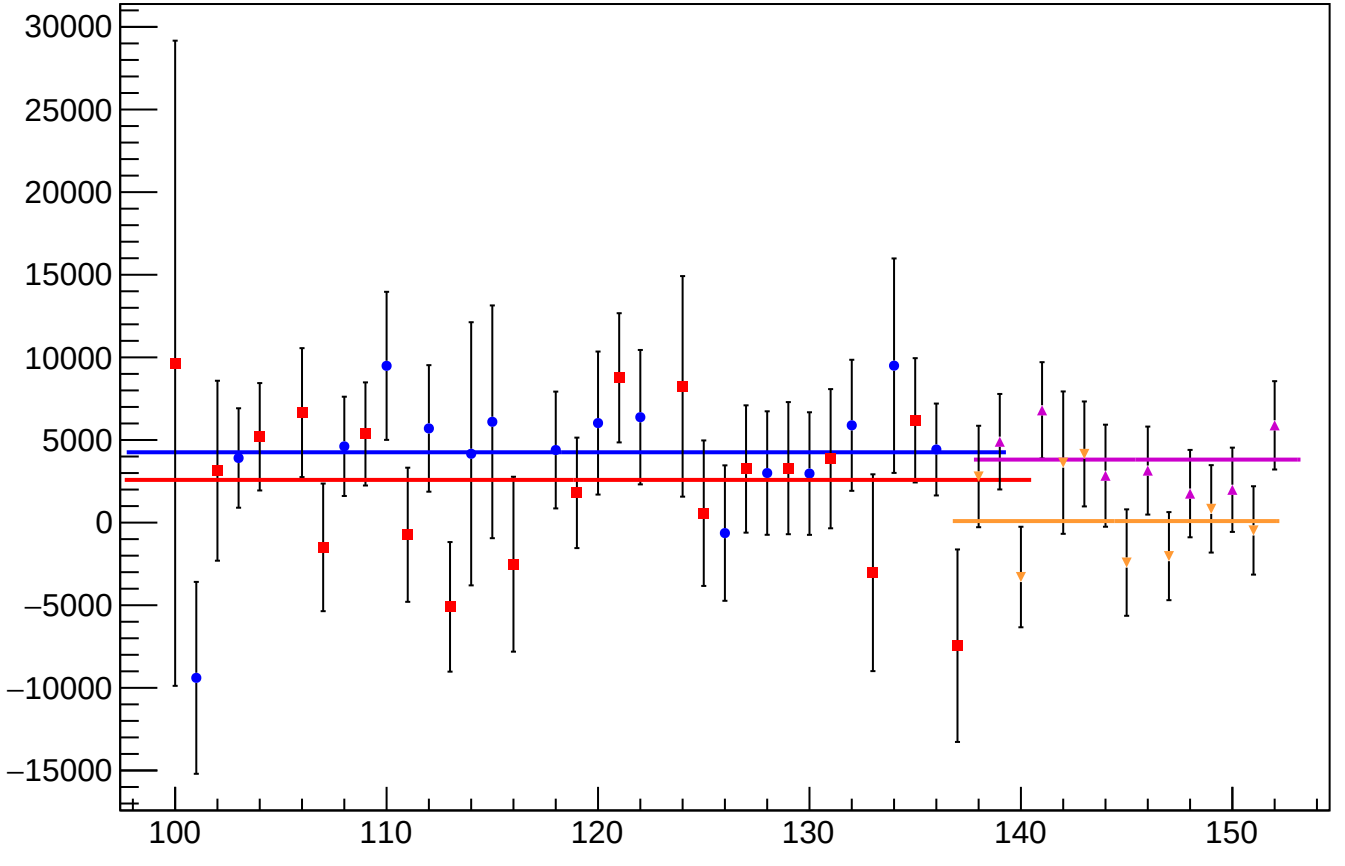
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8293.228+/-1.634 χ^2/NDF:790369.8/22

Out: 7727.279+/-1.513 χ^2/NDF:1059955.2/26

All: 7988.540+/-1.110 χ^2/NDF: 1914945.4/49

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: 3813.439+/-1042.491 χ^2/NDF:3.1/6

Left: 1986.915+/-743.861 χ^2/NDF: 15.0/14

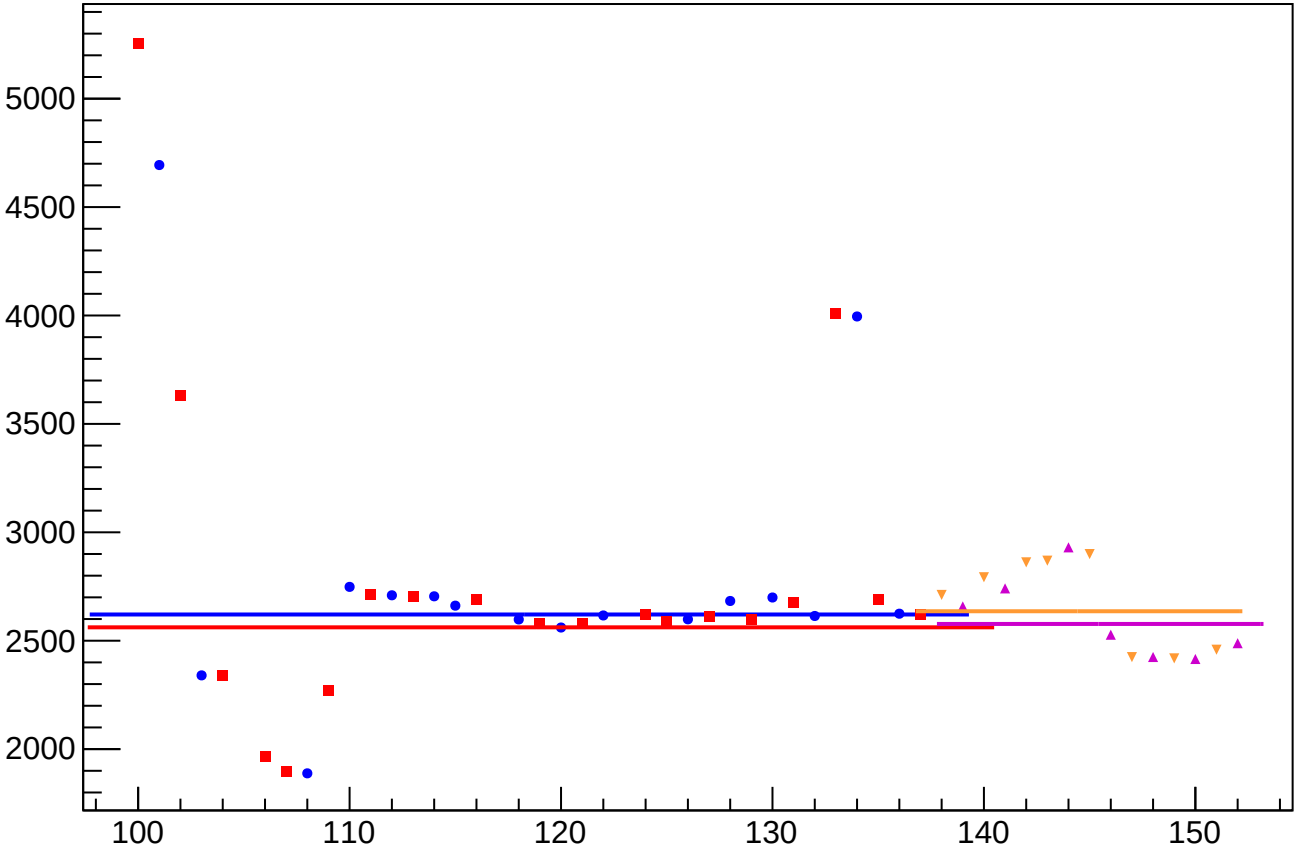
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4046.538+/-718.082 χ^2/NDF:13.2/22

Out: 1455.867+/-714.536 χ^2/NDF:26.3/26

All: 2744.791+/-506.502 χ^2/NDF: 46.1/49

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: 2577.308+/-0.737 χ^2/NDF:51649.1/6

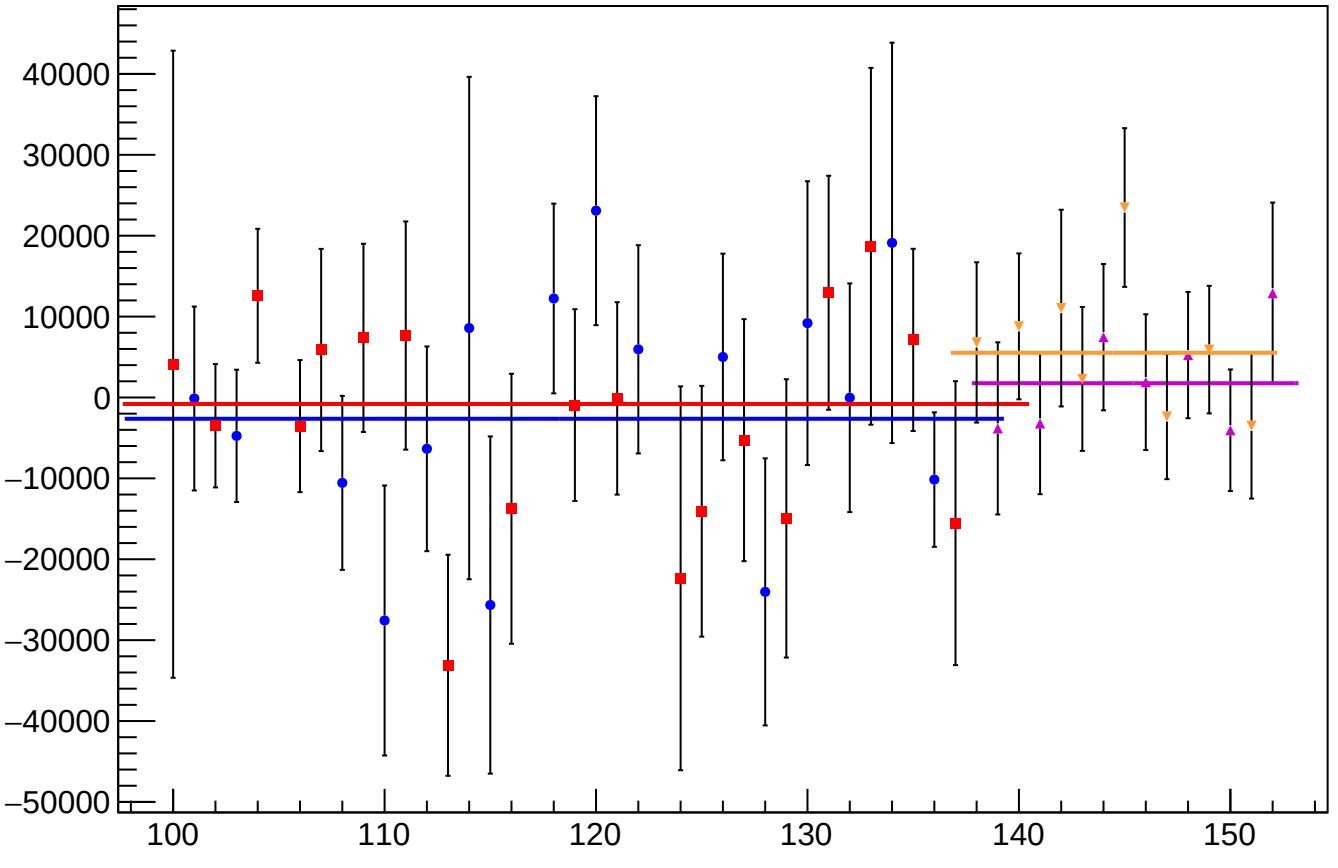
Left: 2606.071+/-0.526 χ^2/NDF: 125844.0/14

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2600.250+/-0.508 χ^2/NDF:539406.5/22

Out: 2595.297+/-0.505 χ^2/NDF:454697.1/26

All: 2597.761+/-0.358 χ^2/NDF: 994151.4/49



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: 1762.348+/-3325.686 χ^2/NDF:2.8/6

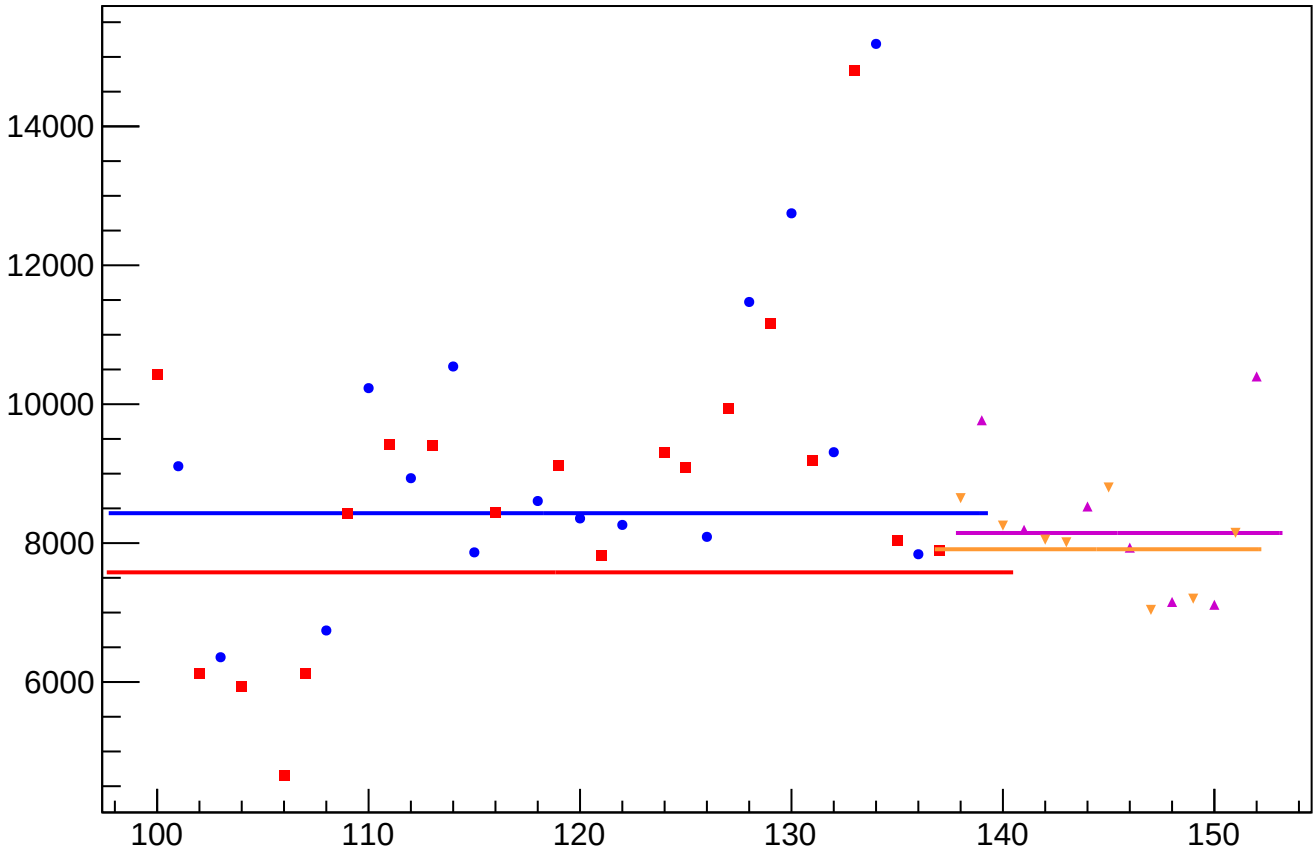
Left: 3713.571+/-2307.711 χ^2/NDF: 9.3/14

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -511.500+/-2310.187 χ^2/NDF:17.5/22

Out: 2016.764+/-2139.226 χ^2/NDF:23.4/26

All: 849.633+/-1569.624 χ^2/NDF: 41.6/49



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 7911.671+/-2.266 χ^2/NDF:73888.8/7

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8145.747+/-2.352 χ^2/NDF:202471.4/6

Left: 8024.380+/-1.632 χ^2/NDF: 281497.3/14

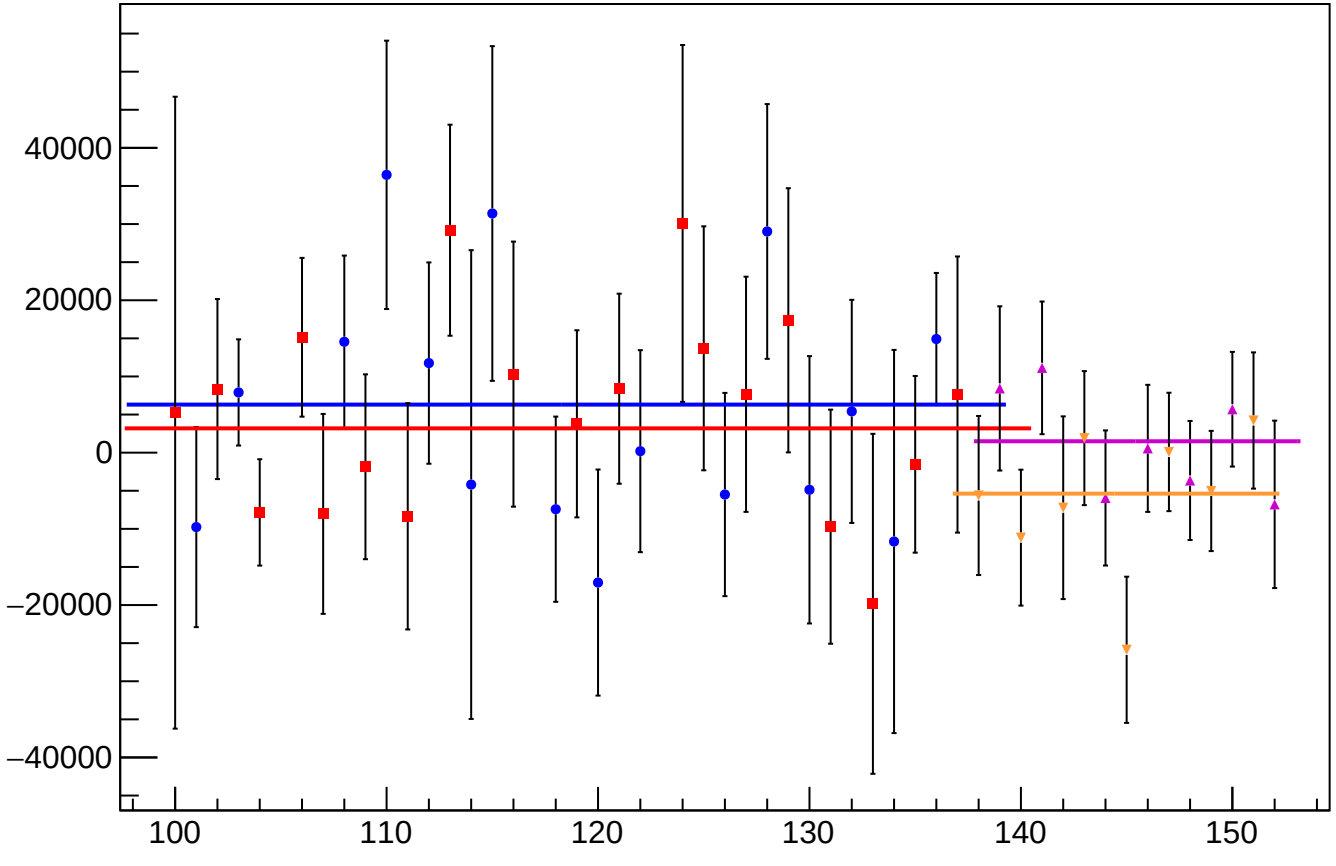
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8293.229+/-1.634 χ^2/NDF:790361.7/22

Out: 7727.277+/-1.513 χ^2/NDF:1059953.1/26

All: 7988.539+/-1.110 χ^2/NDF: 1914935.7/49

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: 1495.892+/-3310.823 χ^2/NDF:3.7/6

Left: -2057.246+/-2300.987 χ^2/NDF: 13.2/14

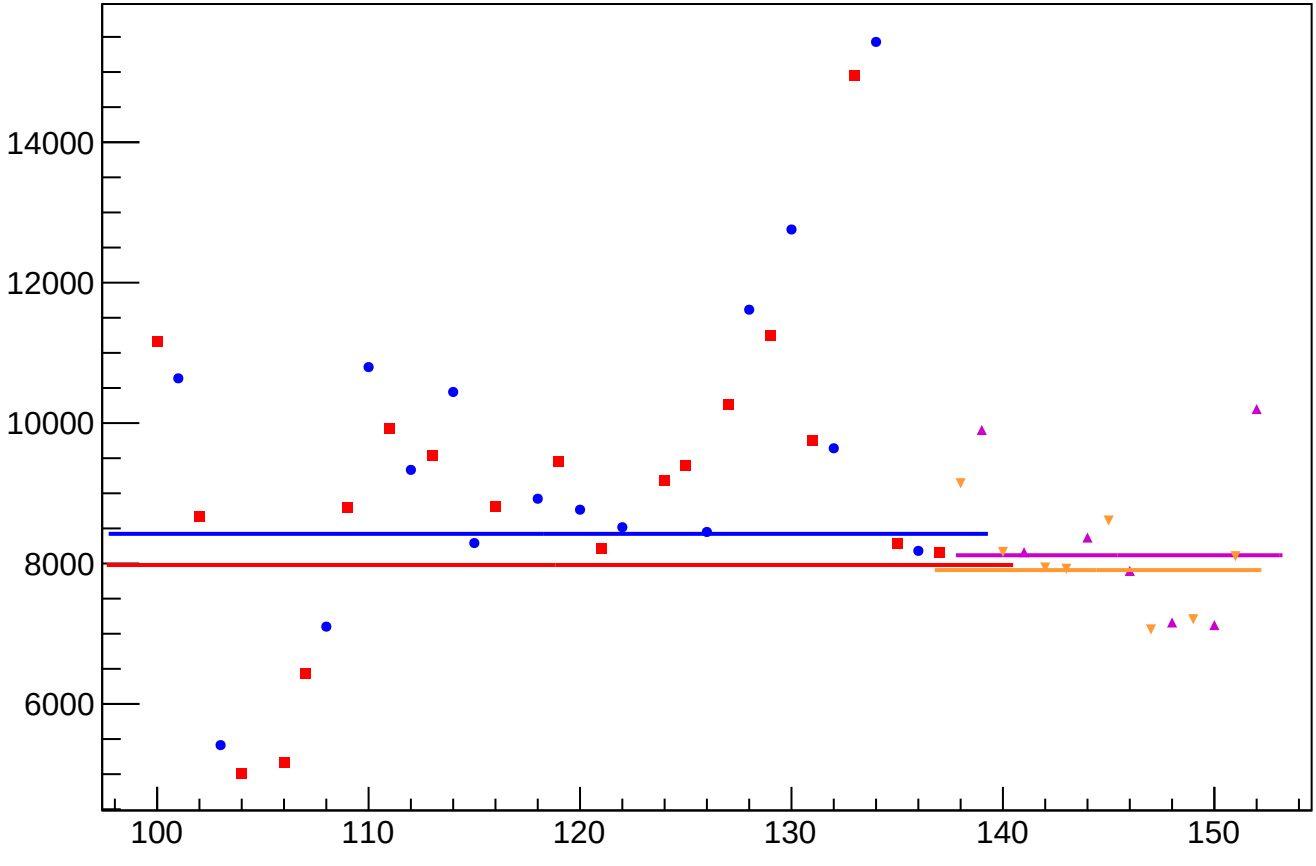
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3953.692+/-2315.551 χ^2/NDF:19.9/22

Out: -914.101+/-2214.898 χ^2/NDF:25.0/26

All: 1411.701+/-1600.570 χ^2/NDF: 47.1/49

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: 8117.601+/-2.341 χ^2/NDF:194724.8/6

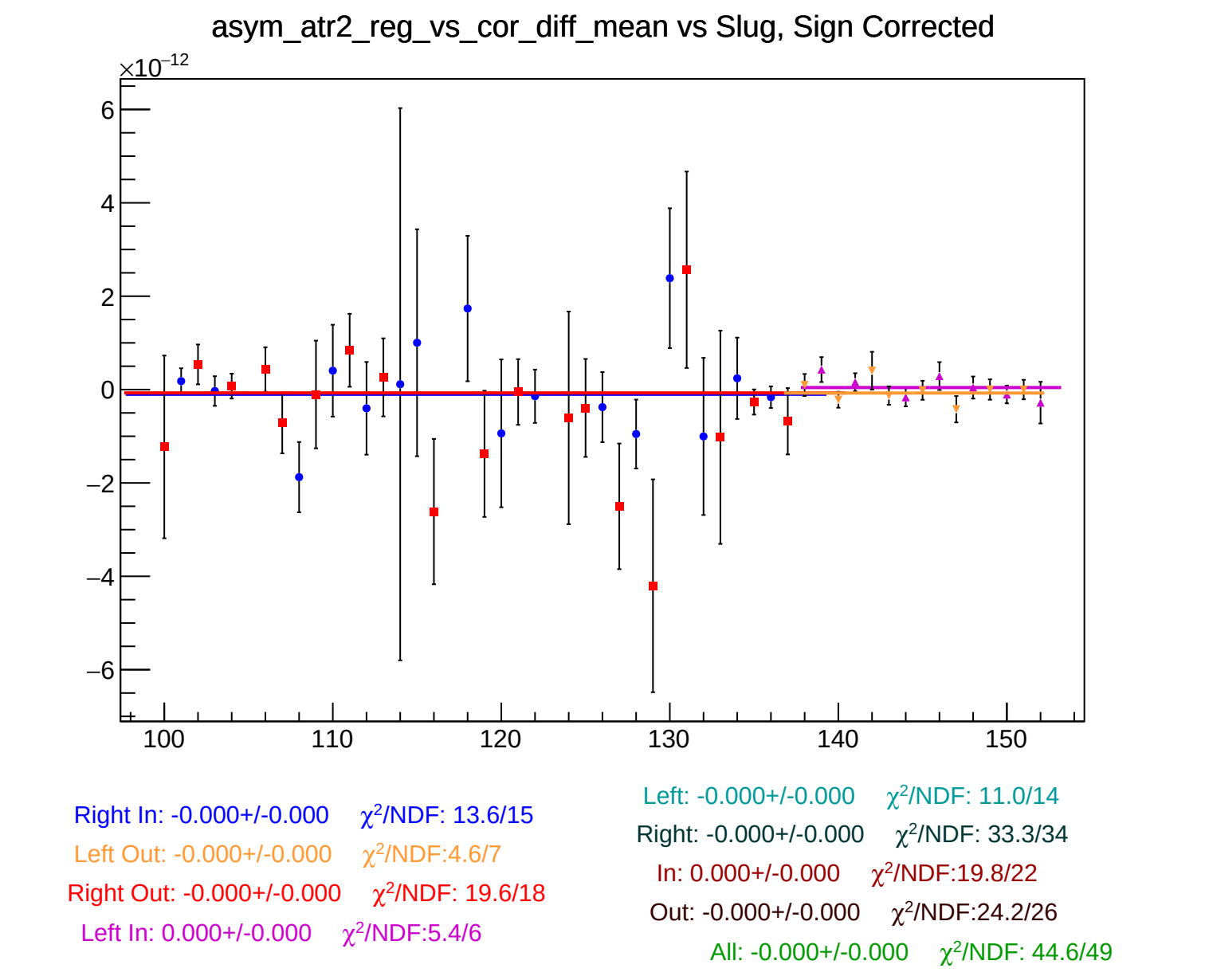
Left: 8008.438+/-1.627 χ^2/NDF: 279876.8/14

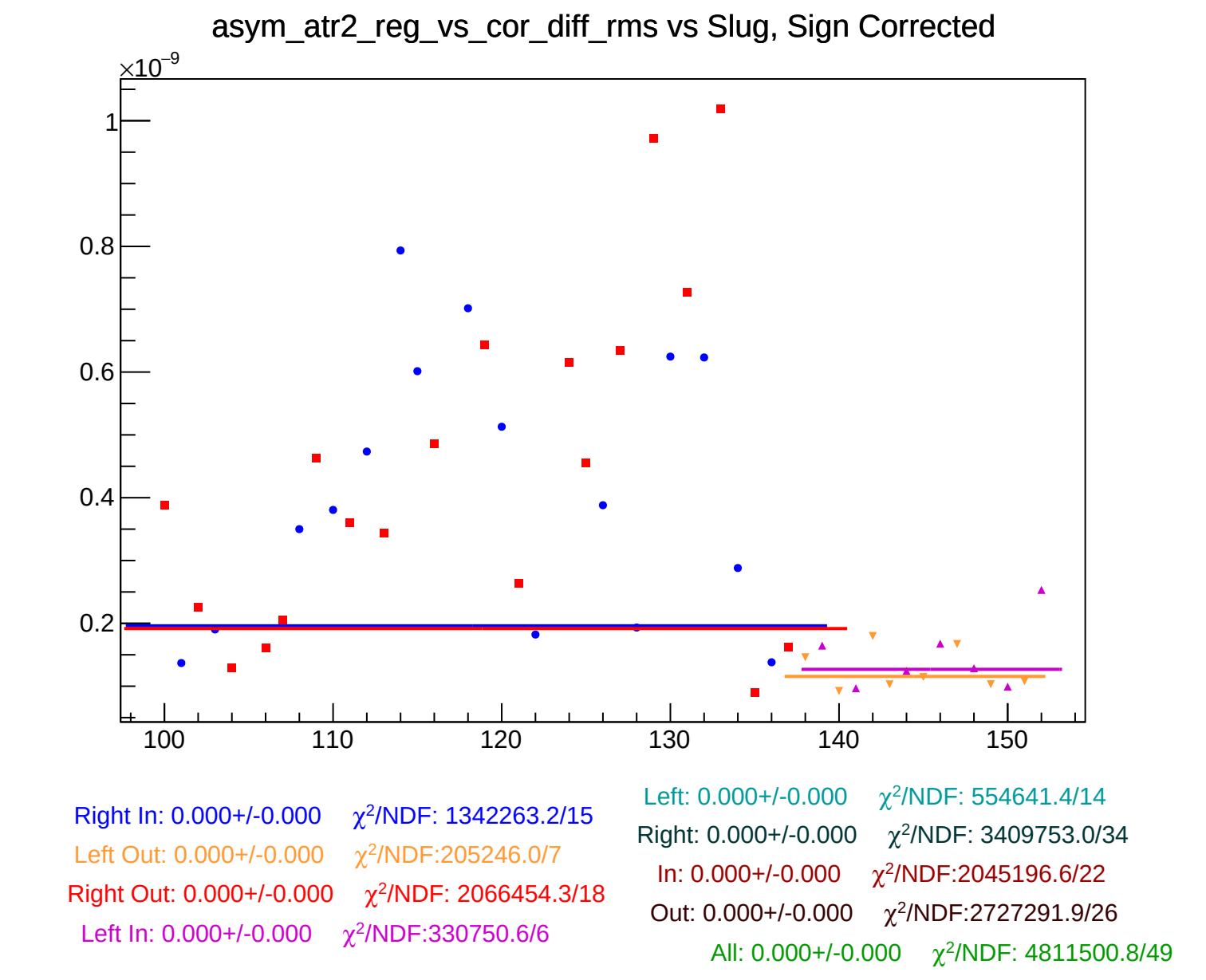
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

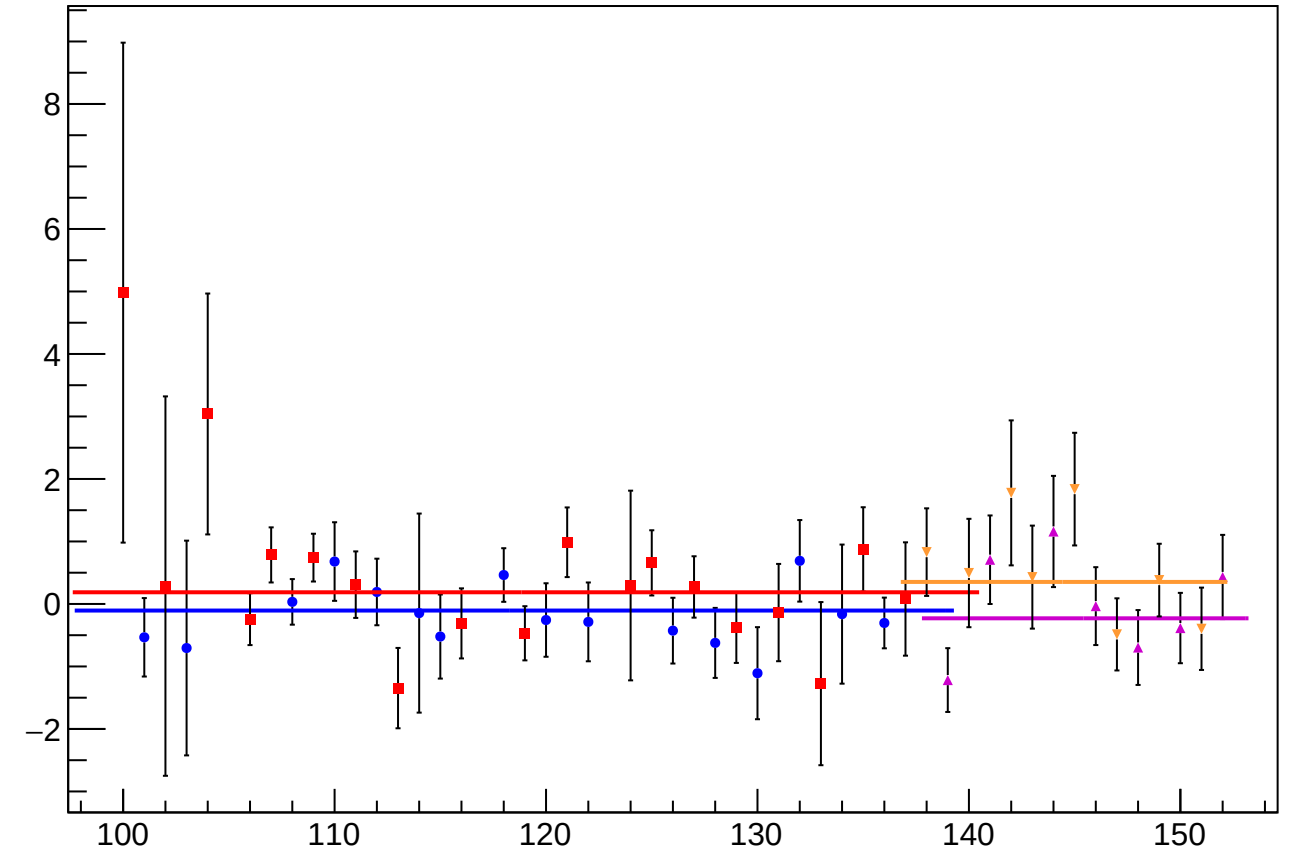
In: 8273.472+/-1.637 χ^2/NDF:1085236.0/22

Out: 7944.246+/-1.566 χ^2/NDF:1097501.0/26

All: 8101.546+/-1.132 χ^2/NDF: 2203850.3/49


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:5.4/6
Left: -0.000+/-0.000 χ²/NDF: 11.0/14
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: 0.000+/-0.000 χ²/NDF:19.8/22
Out: -0.000+/-0.000 χ²/NDF:24.2/26
All: -0.000+/-0.000 χ²/NDF: 44.6/49


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:330750.6/6
Left: 0.000+/-0.000 χ²/NDF: 554641.4/14
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:2045196.6/22
Out: 0.000+/-0.000 χ²/NDF:2727291.9/26
All: 0.000+/-0.000 χ²/NDF: 4811500.8/49



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: -0.230+/-0.237 χ^2/NDF:9.7/6

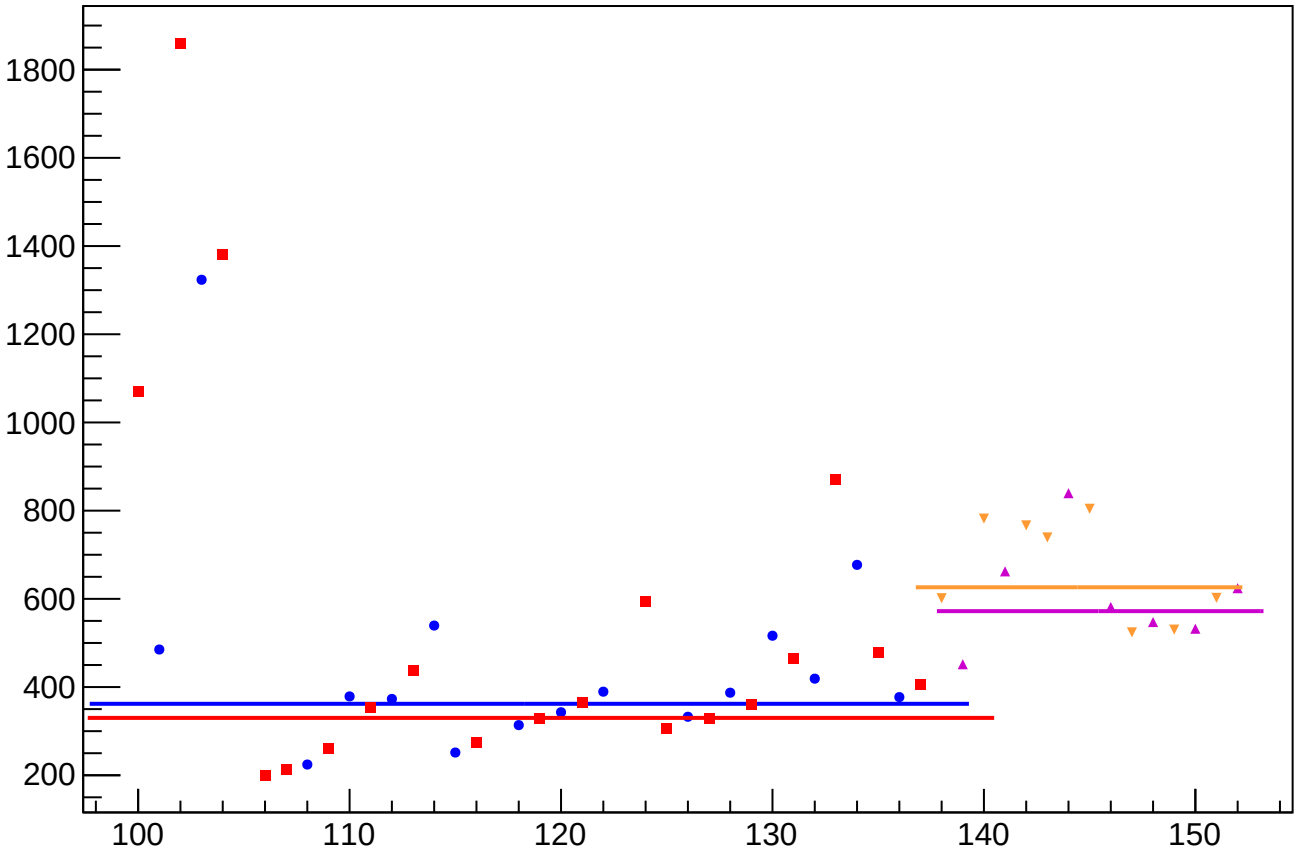
Left: 0.037+/-0.174 χ^2/NDF: 20.6/14

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.139+/-0.123 χ^2/NDF:19.6/22

Out: 0.224+/-0.121 χ^2/NDF:32.3/26

All: 0.046+/-0.087 χ^2/NDF: 56.3/49



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: 572.142+/-0.168 χ^2/NDF:350187.7/6

Left: 596.940+/-0.123 χ^2/NDF: 729872.0/14

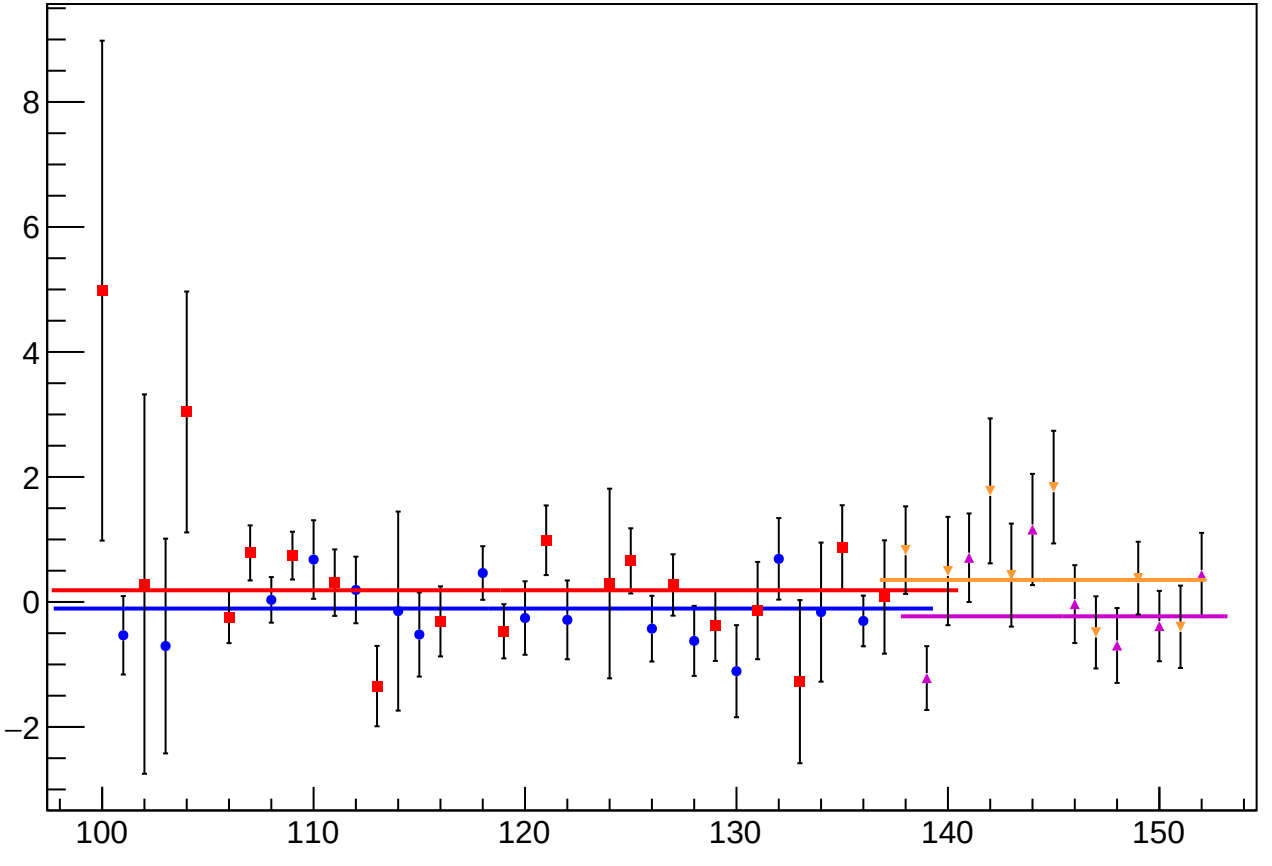
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 419.113+/-0.087 χ^2/NDF:2873227.5/22

Out: 395.725+/-0.086 χ^2/NDF:4637463.9/26

All: 407.204+/-0.061 χ^2/NDF: 7547228.0/49

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: -0.230+/-0.237 χ^2/NDF:9.7/6

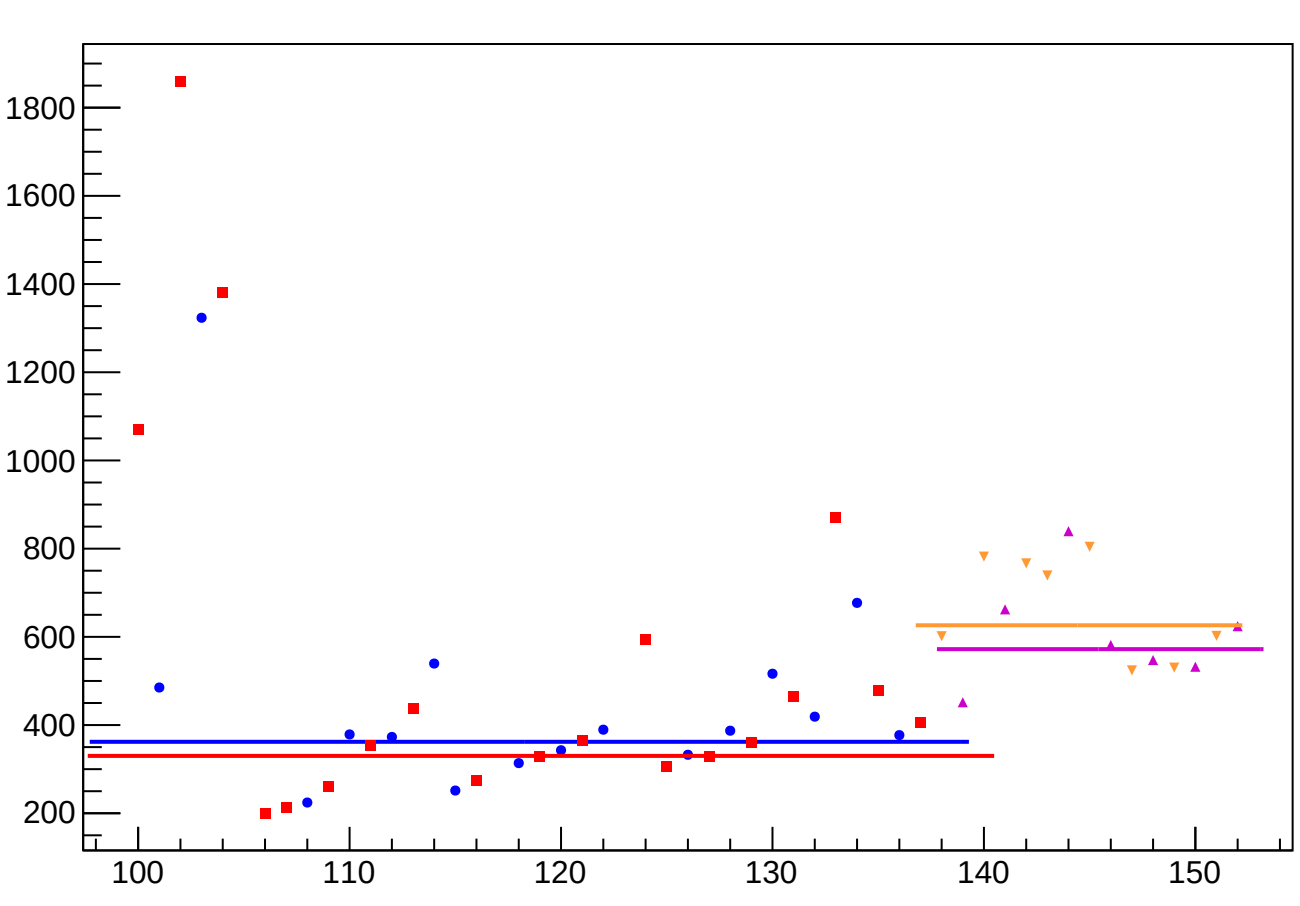
Left: 0.037+/-0.174 χ^2/NDF: 20.6/14

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.139+/-0.123 χ^2/NDF:19.6/22

Out: 0.224+/-0.121 χ^2/NDF:32.3/26

All: 0.046+/-0.087 χ^2/NDF: 56.3/49



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: 572.142+/-0.168 χ^2/NDF:350187.7/6

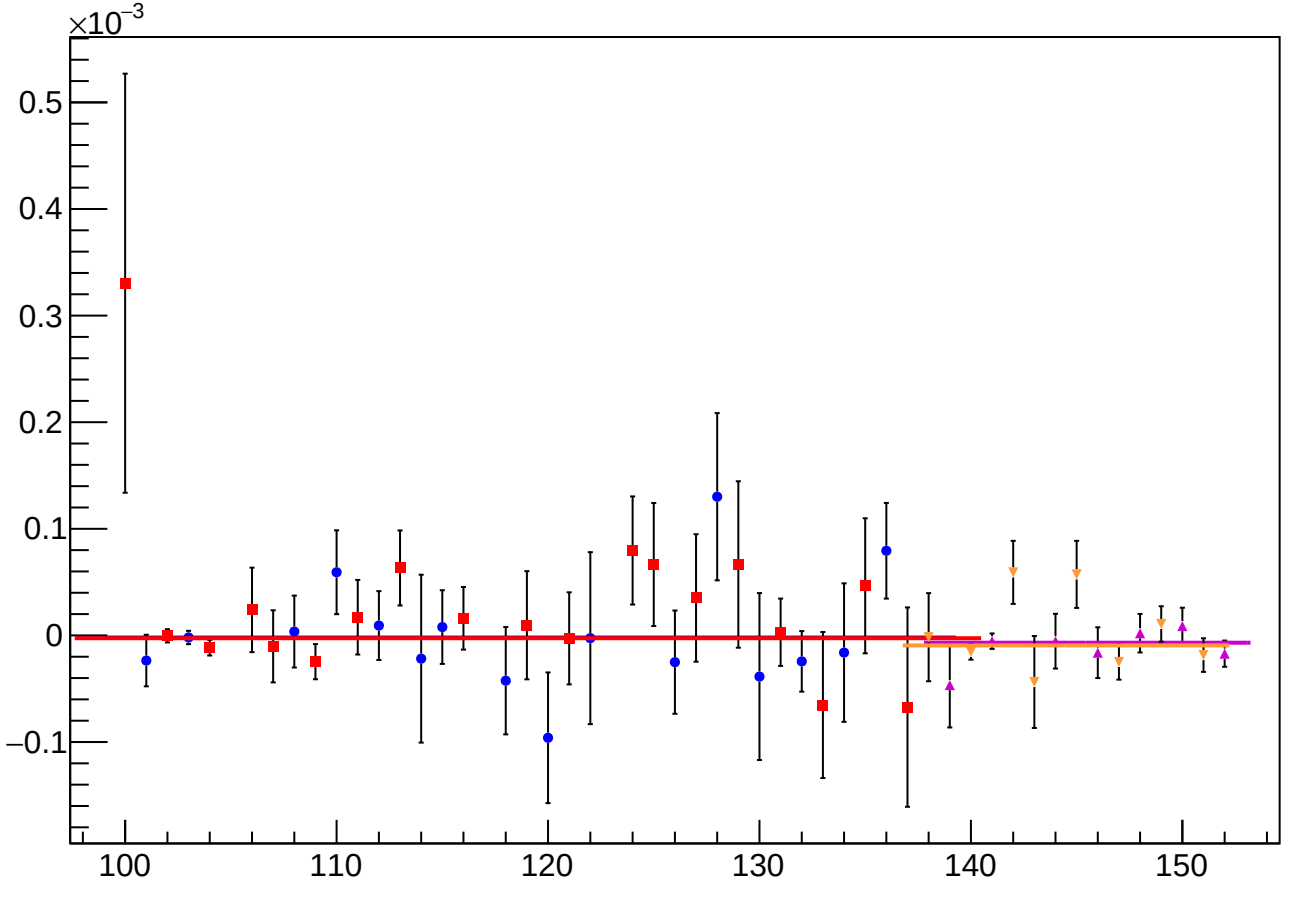
Left: 596.940+/-0.123 χ^2/NDF: 729872.0/14

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 419.113+/-0.087 χ^2/NDF:2873227.5/22

Out: 395.725+/-0.086 χ^2/NDF:4637463.9/26

All: 407.204+/-0.061 χ^2/NDF: 7547228.0/49



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:3.0/6

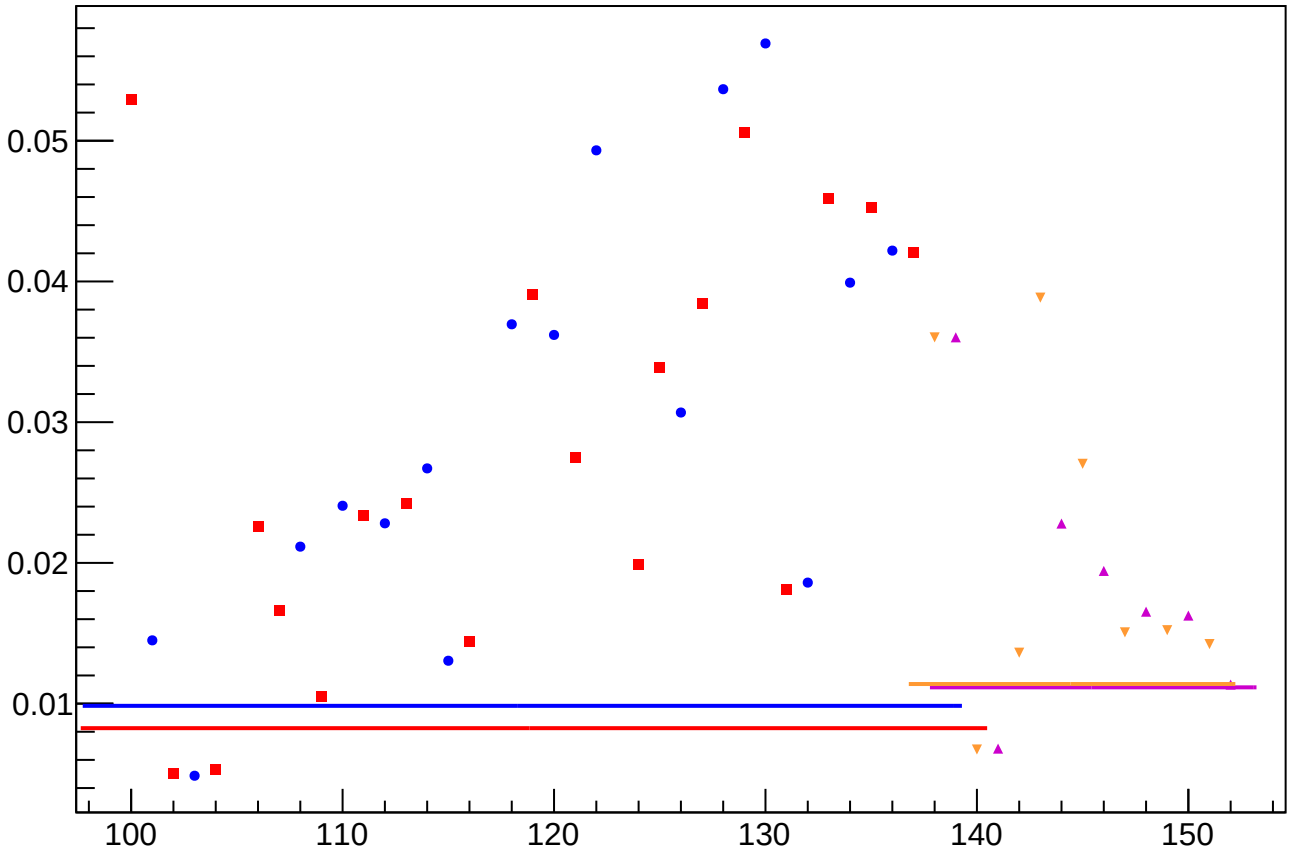
Left: -0.000+/-0.000 χ^2/NDF: 16.9/14

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:17.1/22

Out: -0.000+/-0.000 χ^2/NDF:33.0/26

All: -0.000+/-0.000 χ^2/NDF: 50.2/49



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:2511441.8/6

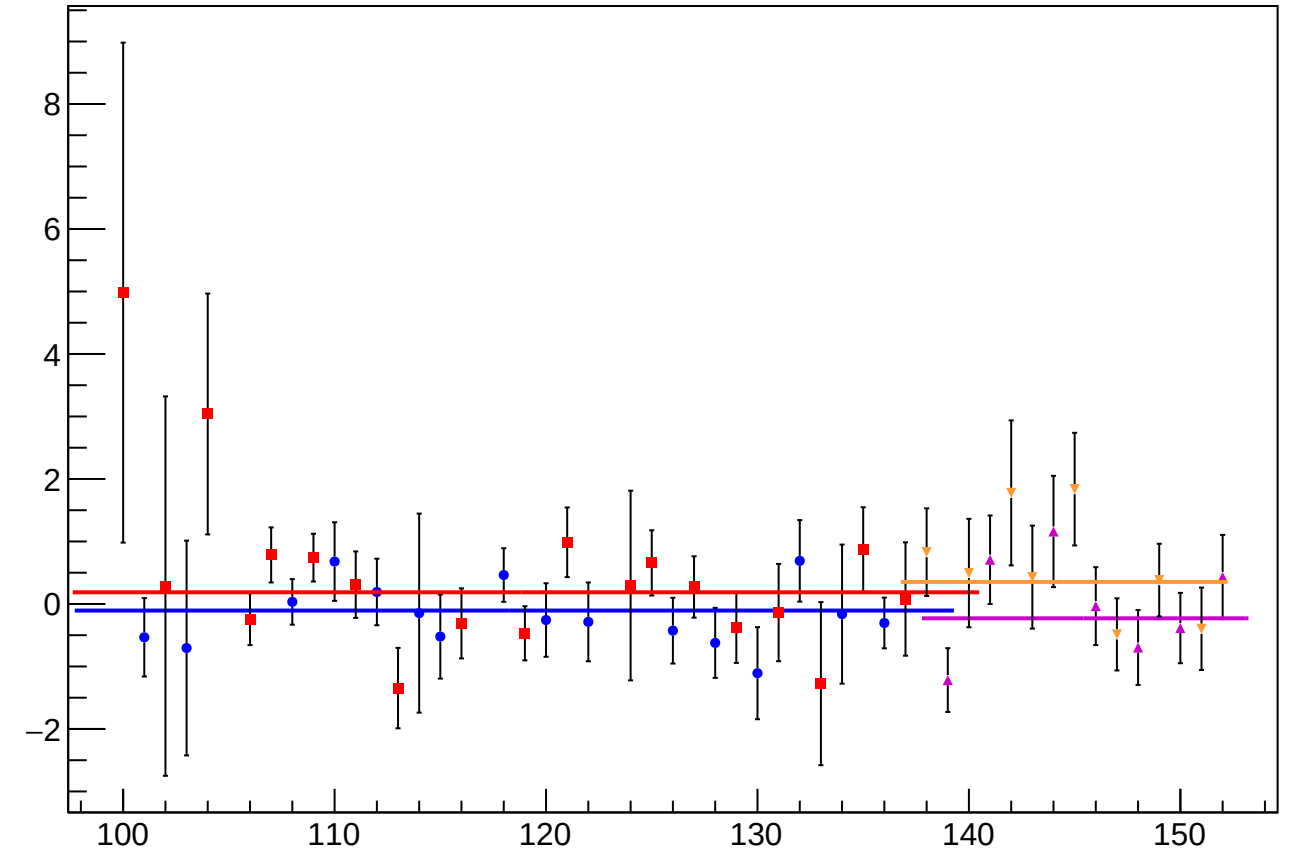
Left: 0.011+/-0.000 χ^2/NDF: 5611469.3/14

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.011+/-0.000 χ^2/NDF:9624381.8/22

Out: 0.009+/-0.000 χ^2/NDF:10248134.6/26

All: 0.010+/-0.000 χ^2/NDF: 19966880.0/49



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: -0.230+/-0.237 χ^2/NDF:9.7/6

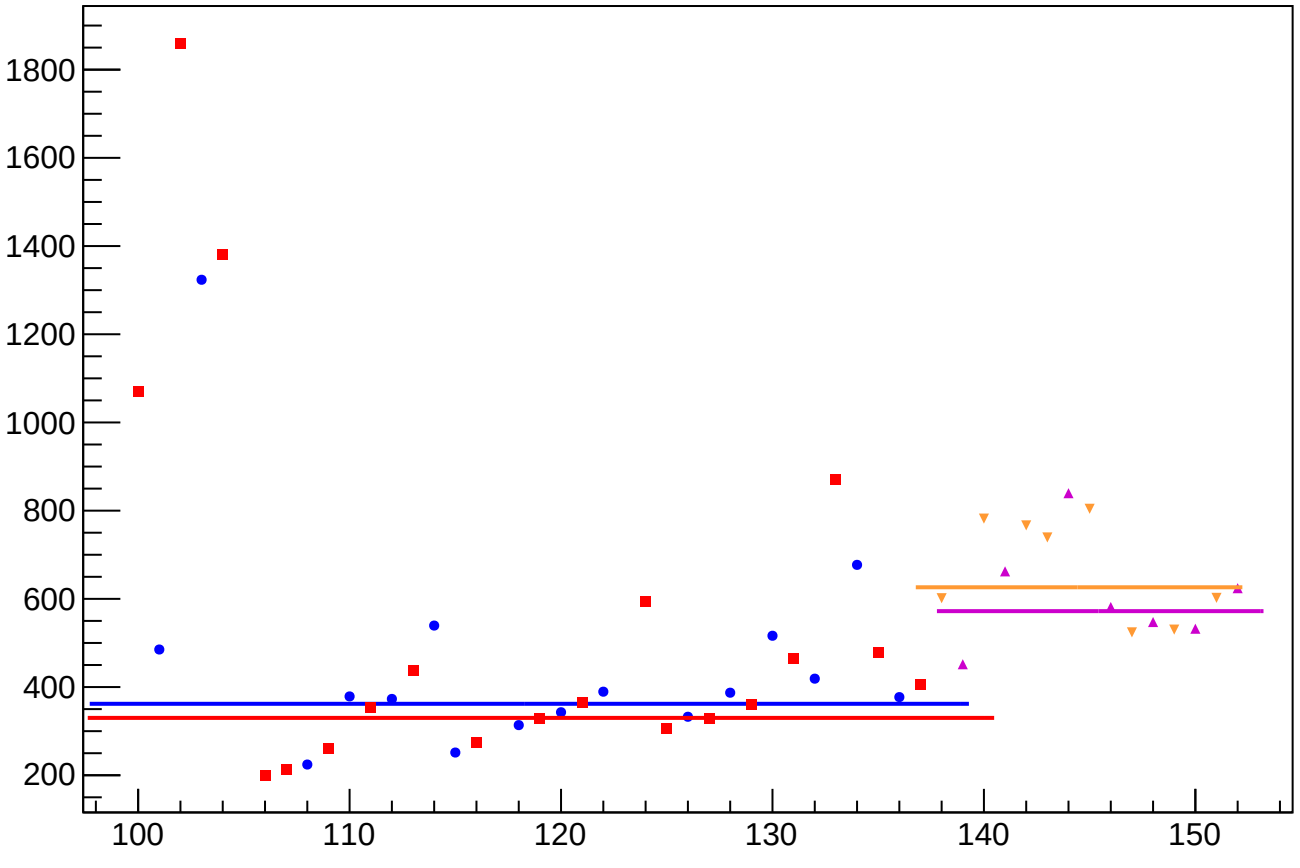
Left: 0.037+/-0.174 χ^2/NDF: 20.6/14

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.139+/-0.123 χ^2/NDF:19.6/22

Out: 0.224+/-0.121 χ^2/NDF:32.3/26

All: 0.046+/-0.087 χ^2/NDF: 56.3/49



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: 572.150+/-0.168 χ^2/NDF:350166.6/6

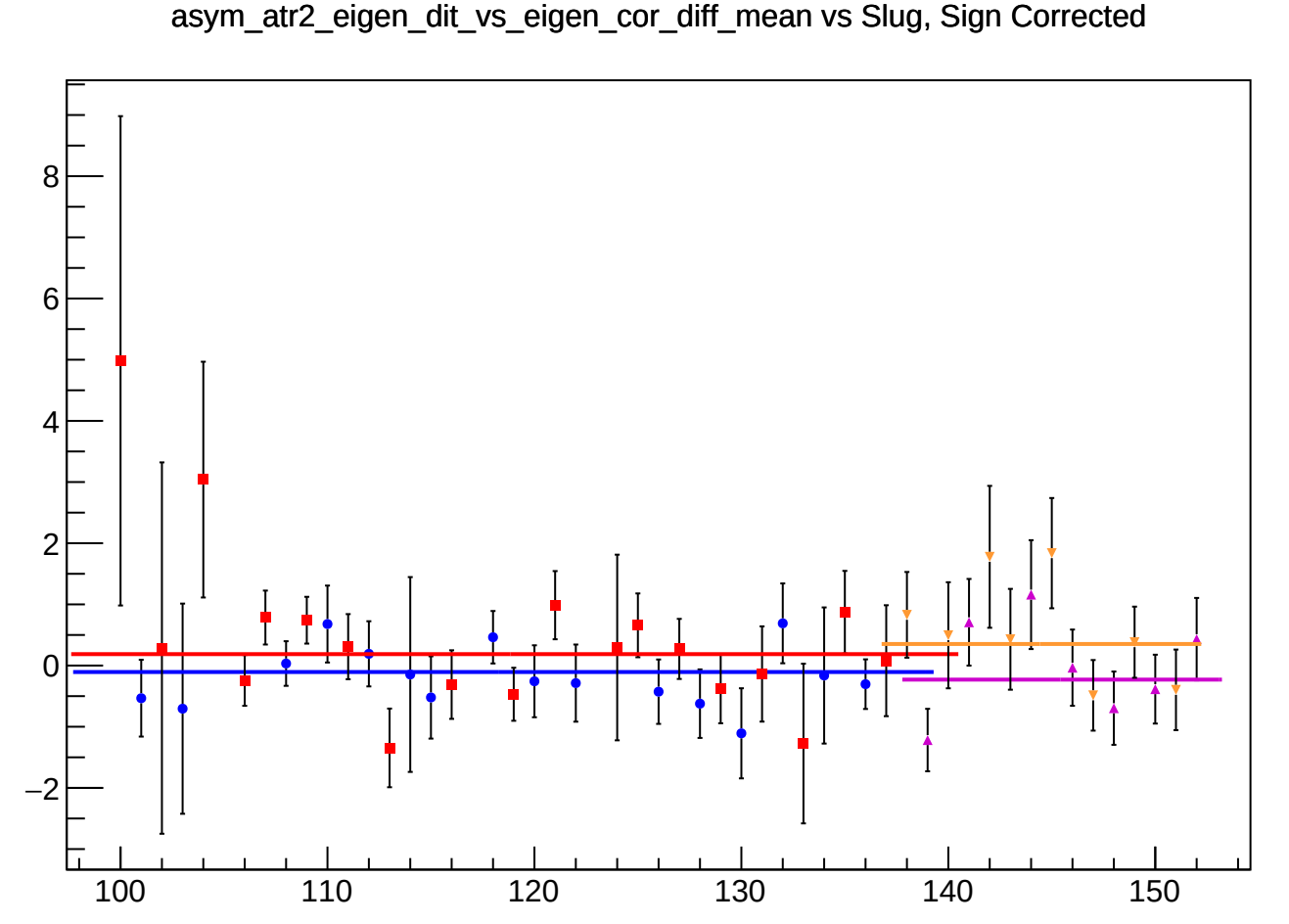
Left: 596.948+/-0.123 χ^2/NDF: 729837.4/14

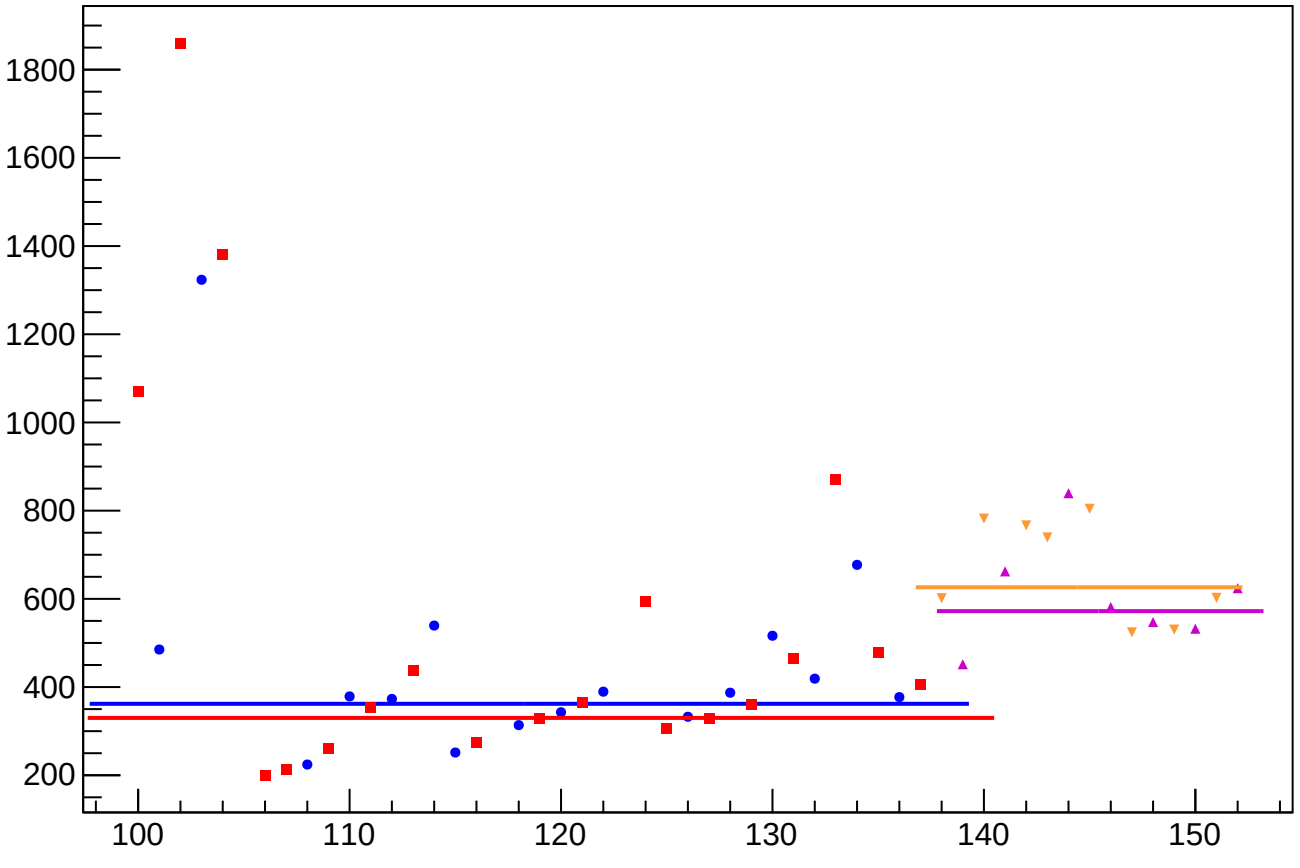
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 419.112+/-0.087 χ^2/NDF:2873307.6/22

Out: 395.724+/-0.086 χ^2/NDF:4637543.1/26

All: 407.203+/-0.061 χ^2/NDF: 7547385.6/49


asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.353+/-0.258 χ²/NDF:8.1/7
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.230+/-0.237 χ²/NDF:9.7/6
Left: 0.037+/-0.174 χ²/NDF: 20.6/14
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.139+/-0.123 χ²/NDF:19.6/22
Out: 0.224+/-0.121 χ²/NDF:32.3/26
All: 0.046+/-0.087 χ²/NDF: 56.3/49



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: 572.150+/-0.168 χ^2/NDF:350166.6/6

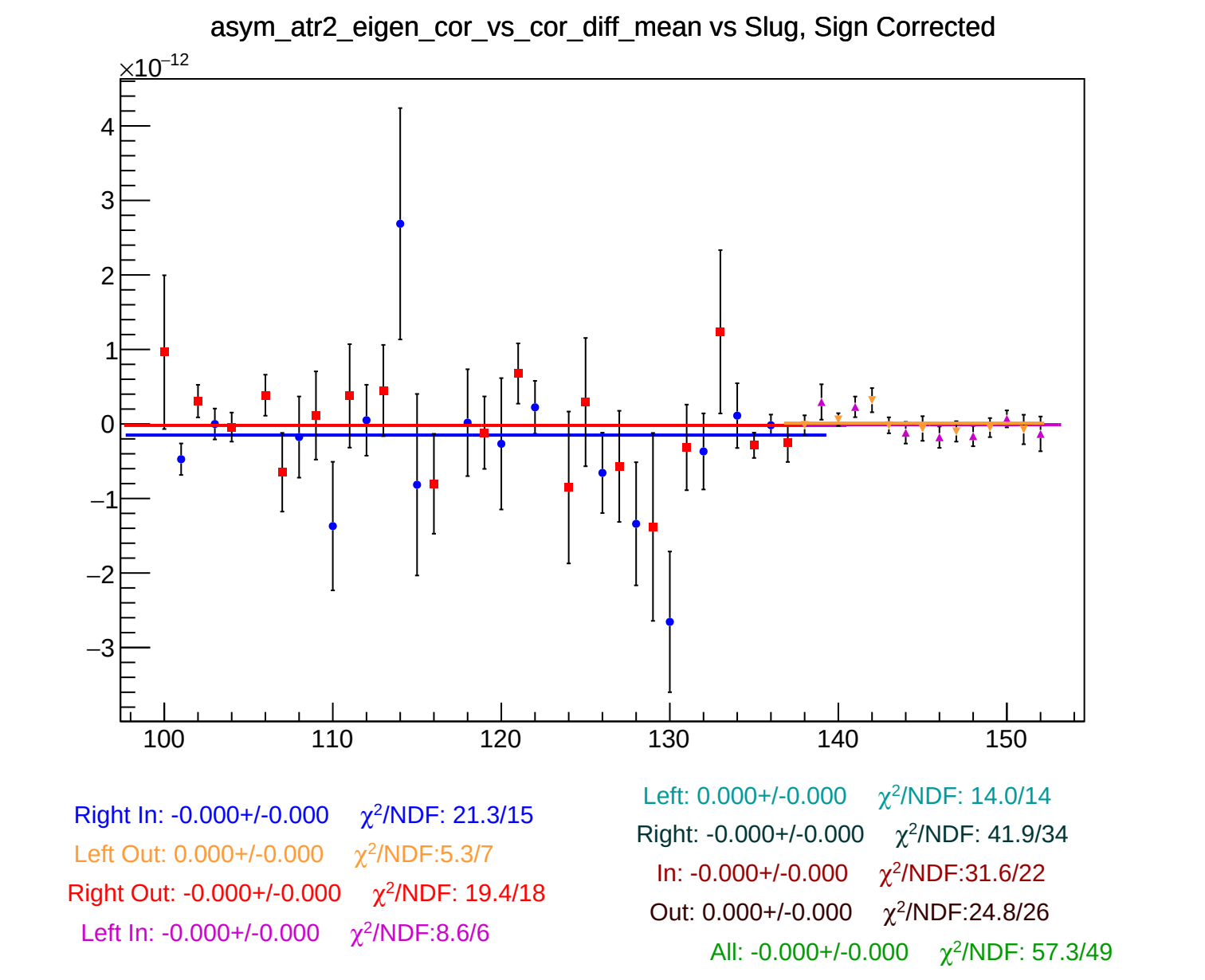
Left: 596.948+/-0.123 χ^2/NDF: 729837.4/14

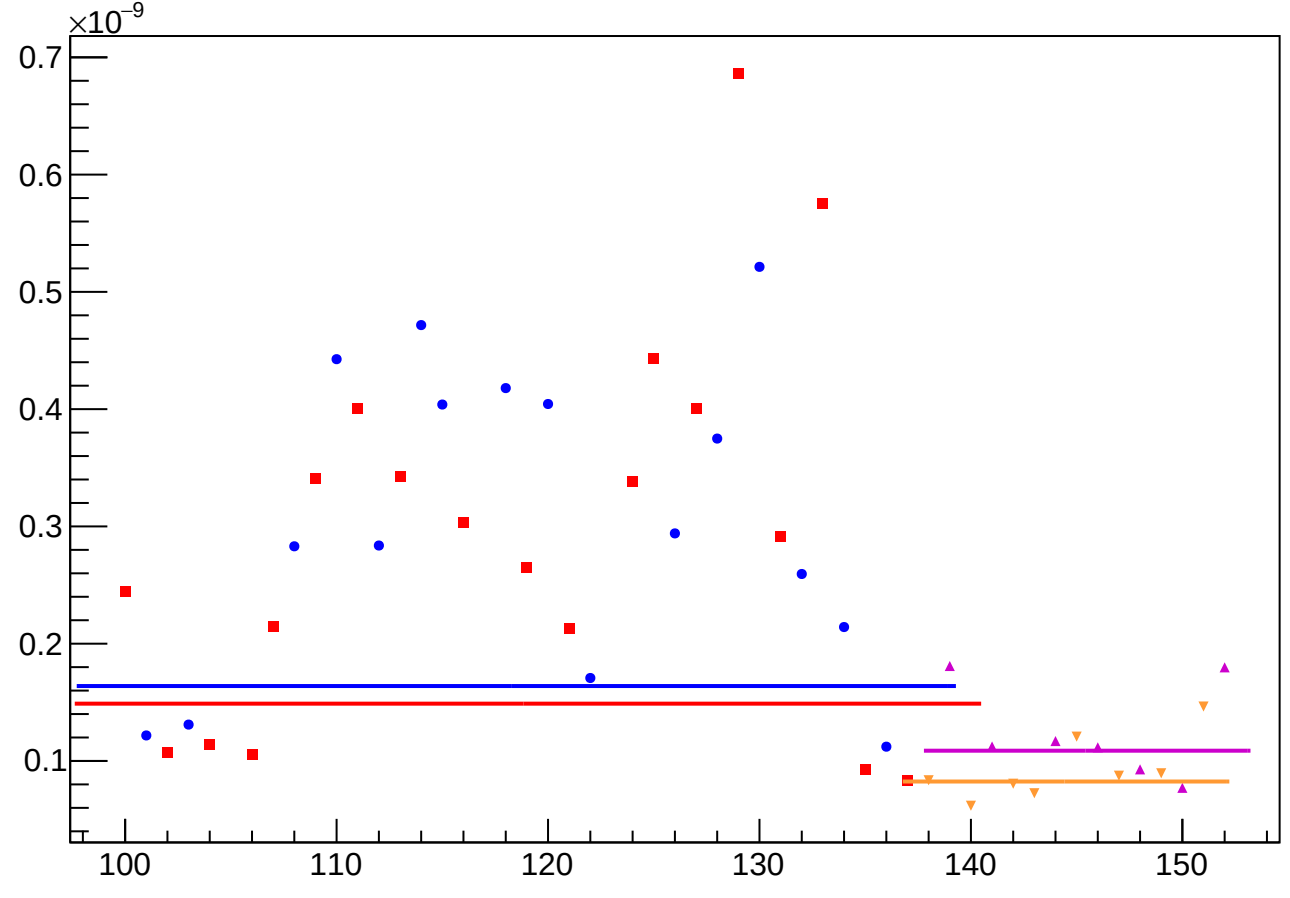
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 419.112+/-0.087 χ^2/NDF:2873307.6/22

Out: 395.724+/-0.086 χ^2/NDF:4637543.1/26

All: 407.203+/-0.061 χ^2/NDF: 7547385.6/49


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:8.6/6
Left: 0.000+/-0.000 χ²/NDF: 14.0/14
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:31.6/22
Out: 0.000+/-0.000 χ²/NDF:24.8/26
All: -0.000+/-0.000 χ²/NDF: 57.3/49



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:561767.1/6

Left: 0.000+/-0.000 χ^2/NDF: 1289143.6/14

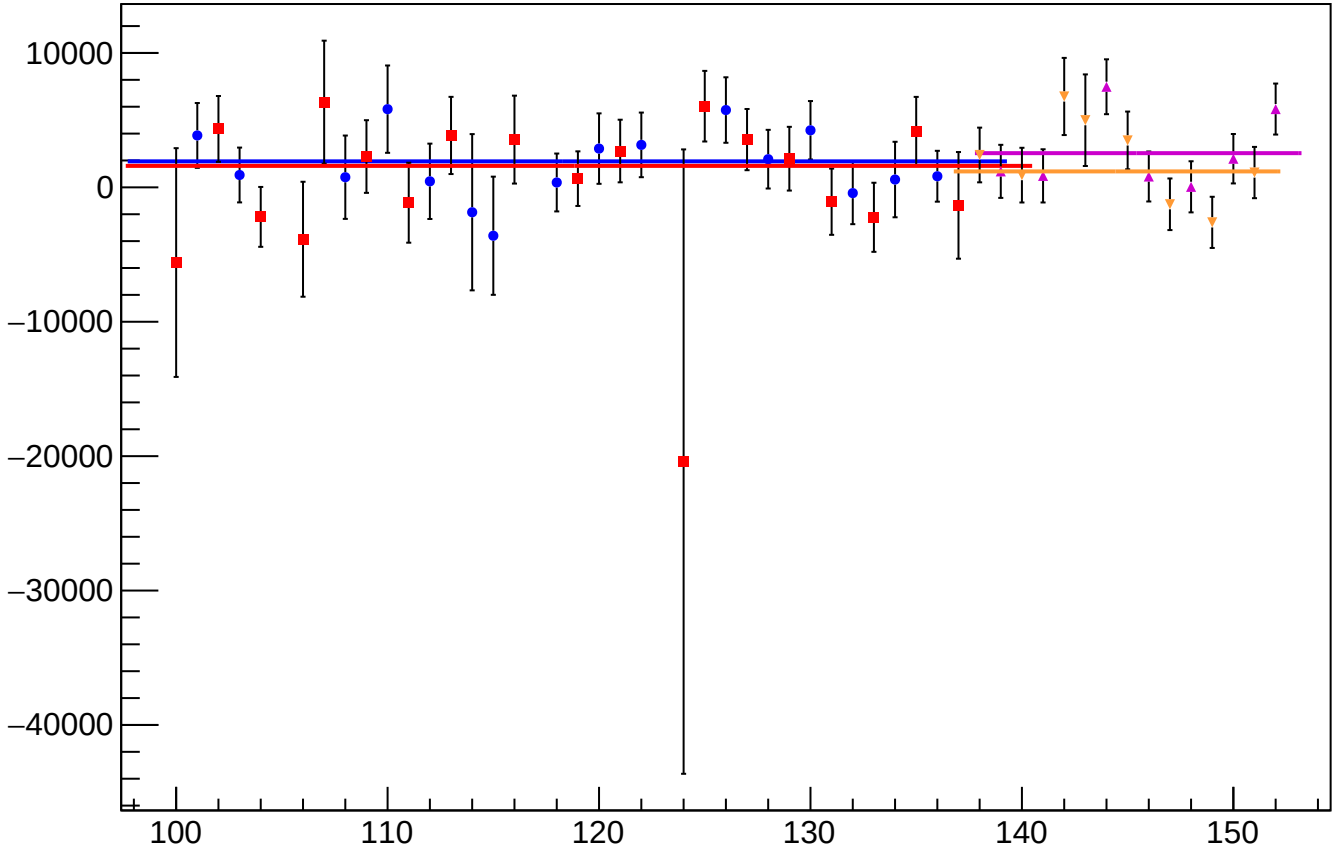
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:3136608.1/22

Out: 0.000+/-0.000 χ^2/NDF:4288127.8/26

All: 0.000+/-0.000 χ^2/NDF: 7827283.9/49

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: 2544.861+/-727.224 χ^2/NDF:12.7/6

Left: 1896.081+/-525.605 χ^2/NDF: 26.5/14

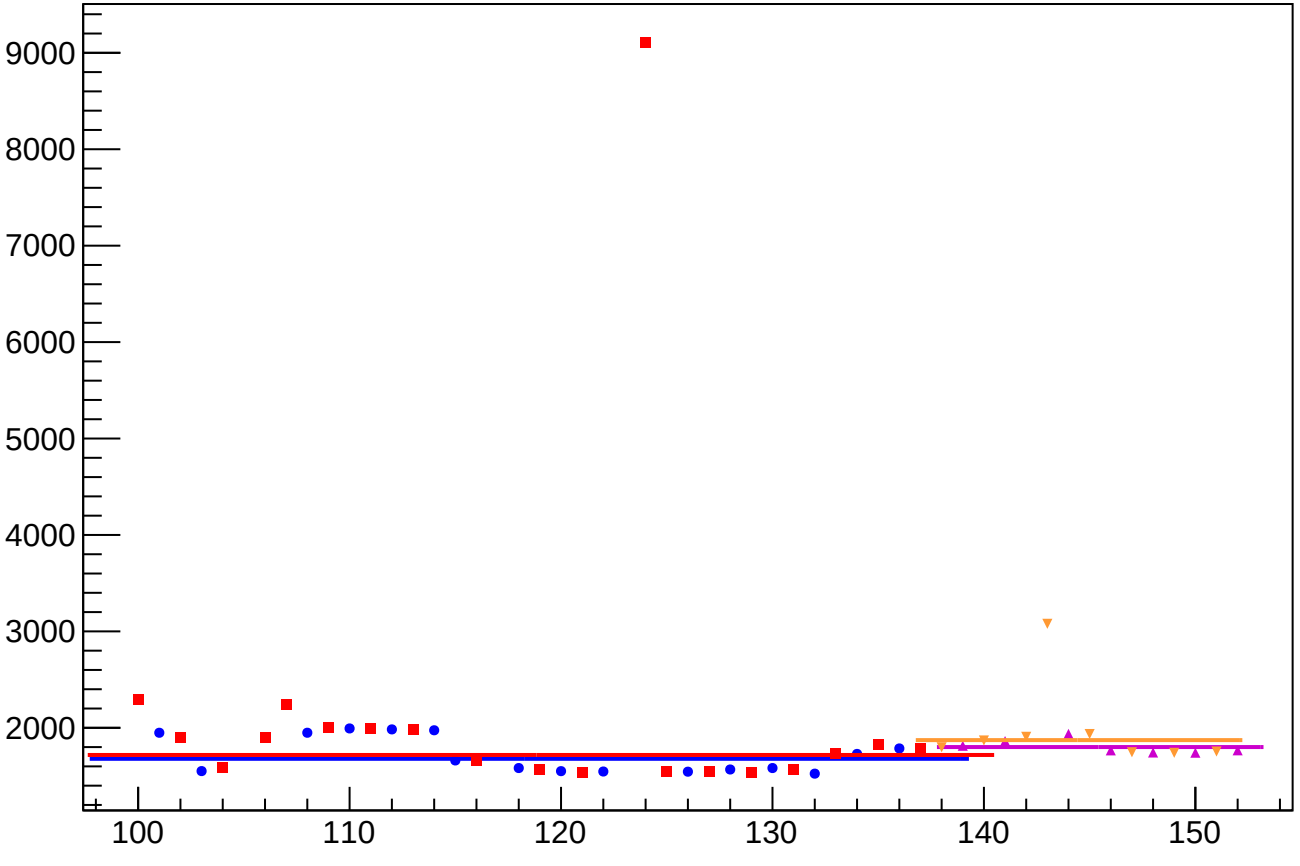
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2195.317+/-475.249 χ^2/NDF:24.0/22

Out: 1426.698+/-490.671 χ^2/NDF:31.7/26

All: 1823.276+/-341.374 χ^2/NDF: 57.0/49

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: 1800.407+/-0.514 χ^2/NDF:16085.9/6

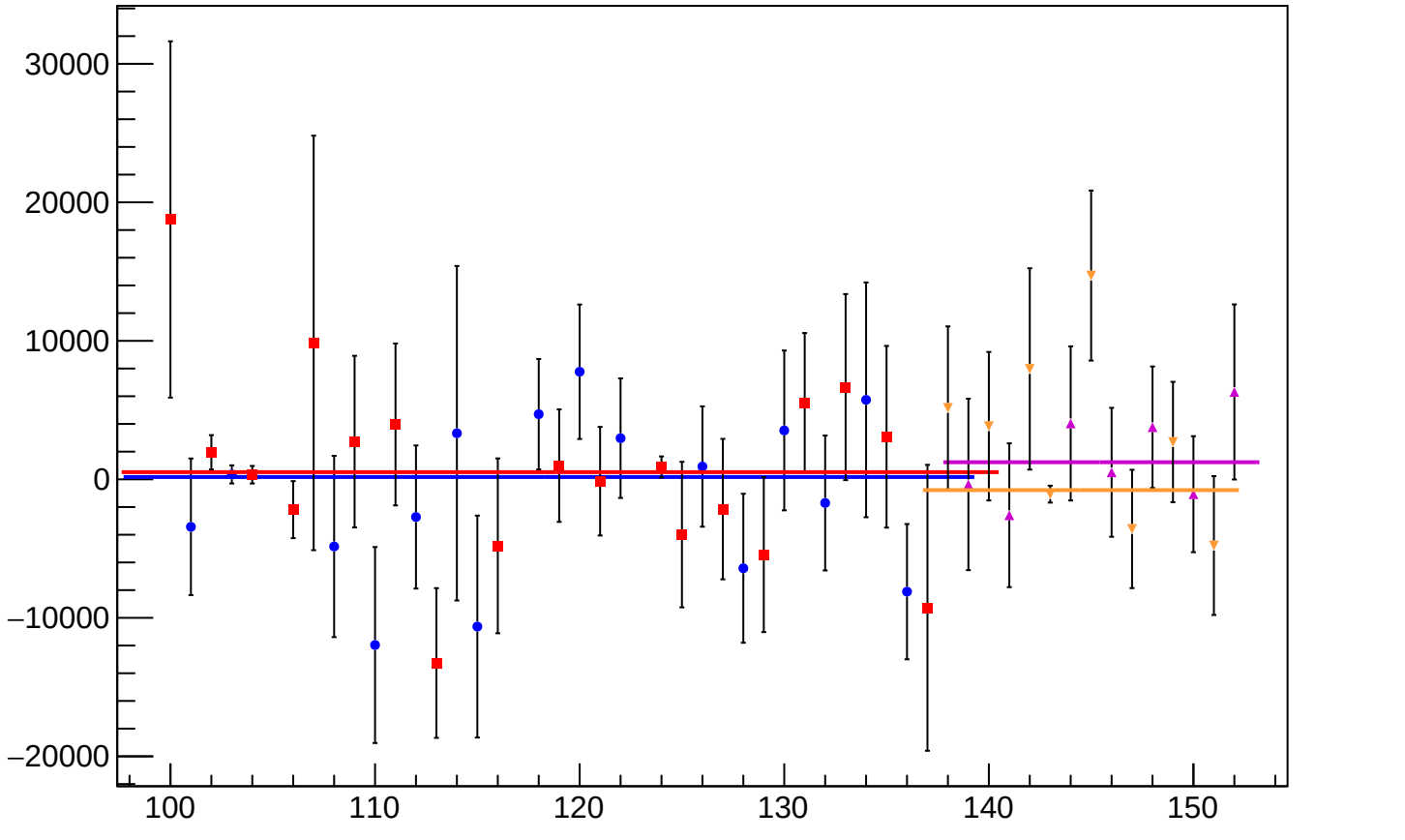
Left: 1834.757+/-0.372 χ^2/NDF: 306520.9/14

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1730.588+/-0.336 χ^2/NDF:189745.4/22

Out: 1782.065+/-0.346 χ^2/NDF:712339.3/26

All: 1755.576+/-0.241 χ^2/NDF: 913474.8/49



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: 1235.877+/-1904.355 χ^2/NDF:2.2/6

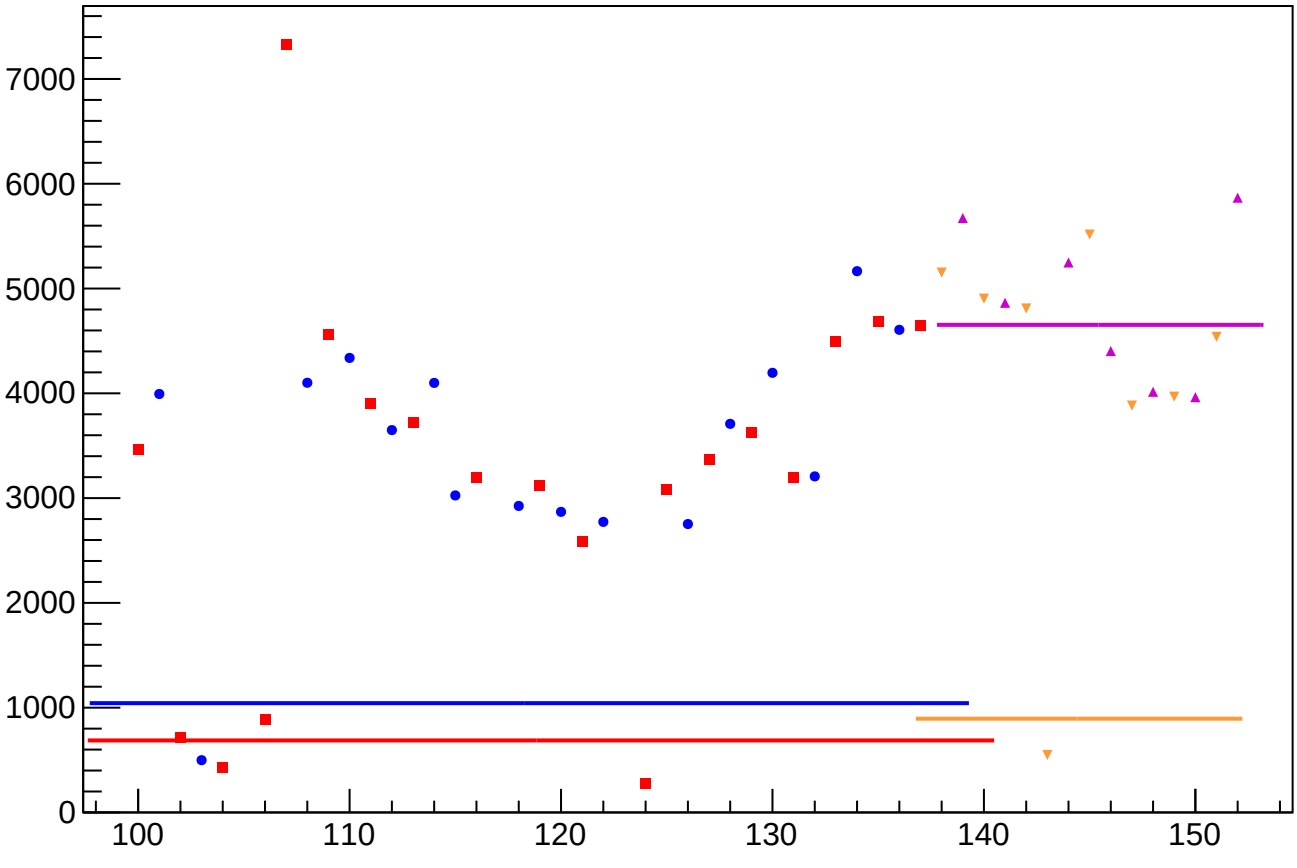
Left: -606.349+/-557.592 χ^2/NDF: 14.7/14

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 262.247+/-564.972 χ^2/NDF:18.3/22

Out: 70.355+/-343.348 χ^2/NDF:33.3/26

All: 122.111+/-293.414 χ^2/NDF: 51.7/49



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: 4653.279+/-1.347 χ^2/NDF:256777.2/6

Left: 1217.070+/-0.394 χ^2/NDF: 14937826.9/14

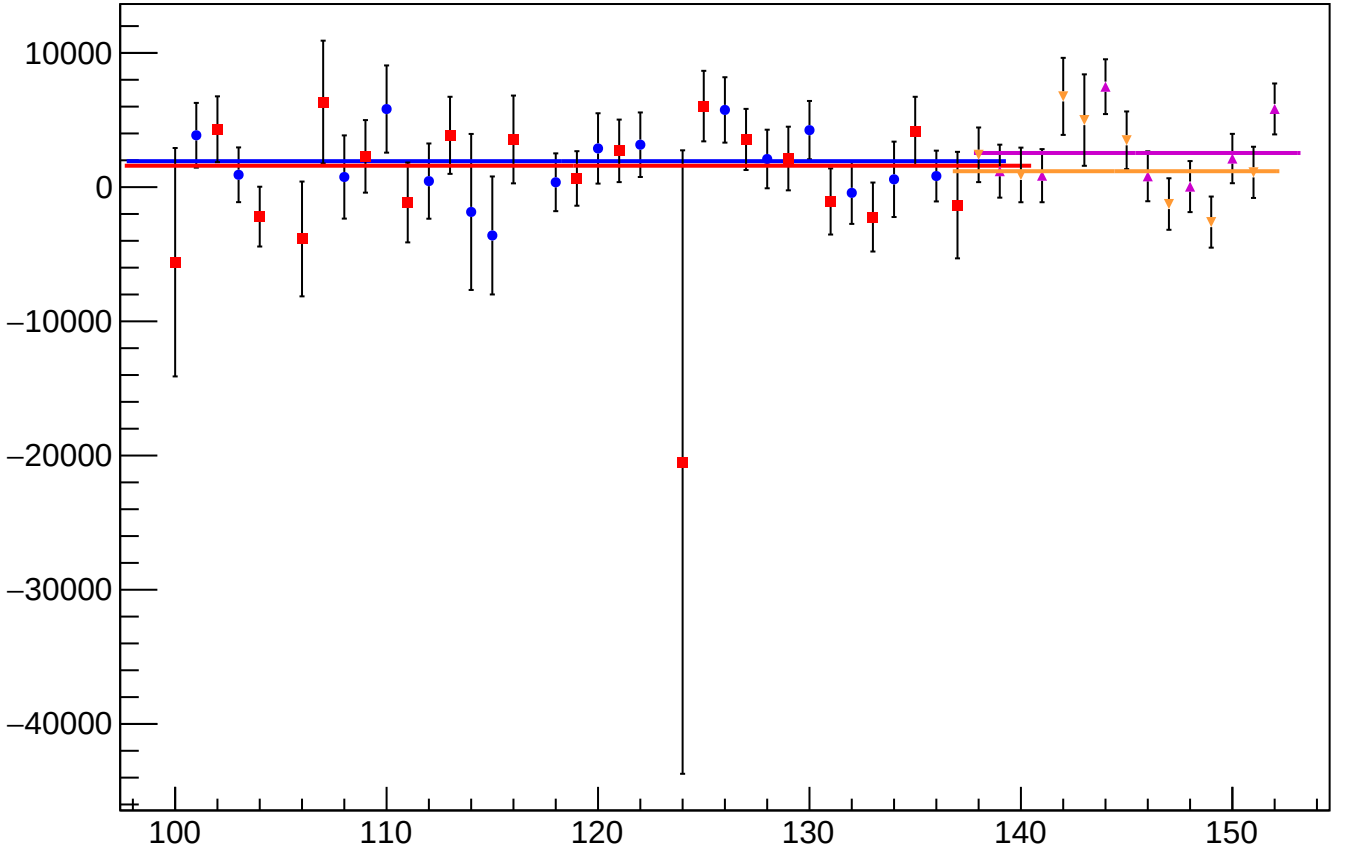
Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1360.866+/-0.399 χ^2/NDF:14923710.8/22

Out: 759.272+/-0.243 χ^2/NDF:16355782.8/26

All: 921.532+/-0.207 χ^2/NDF: 32935549.4/49

cor_asym_atl_avg_mean vs Slug, Sign Corrected



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: 2545.065+/-727.224 χ^2/NDF:12.7/6

Left: 1896.134+/-525.605 χ^2/NDF: 26.5/14

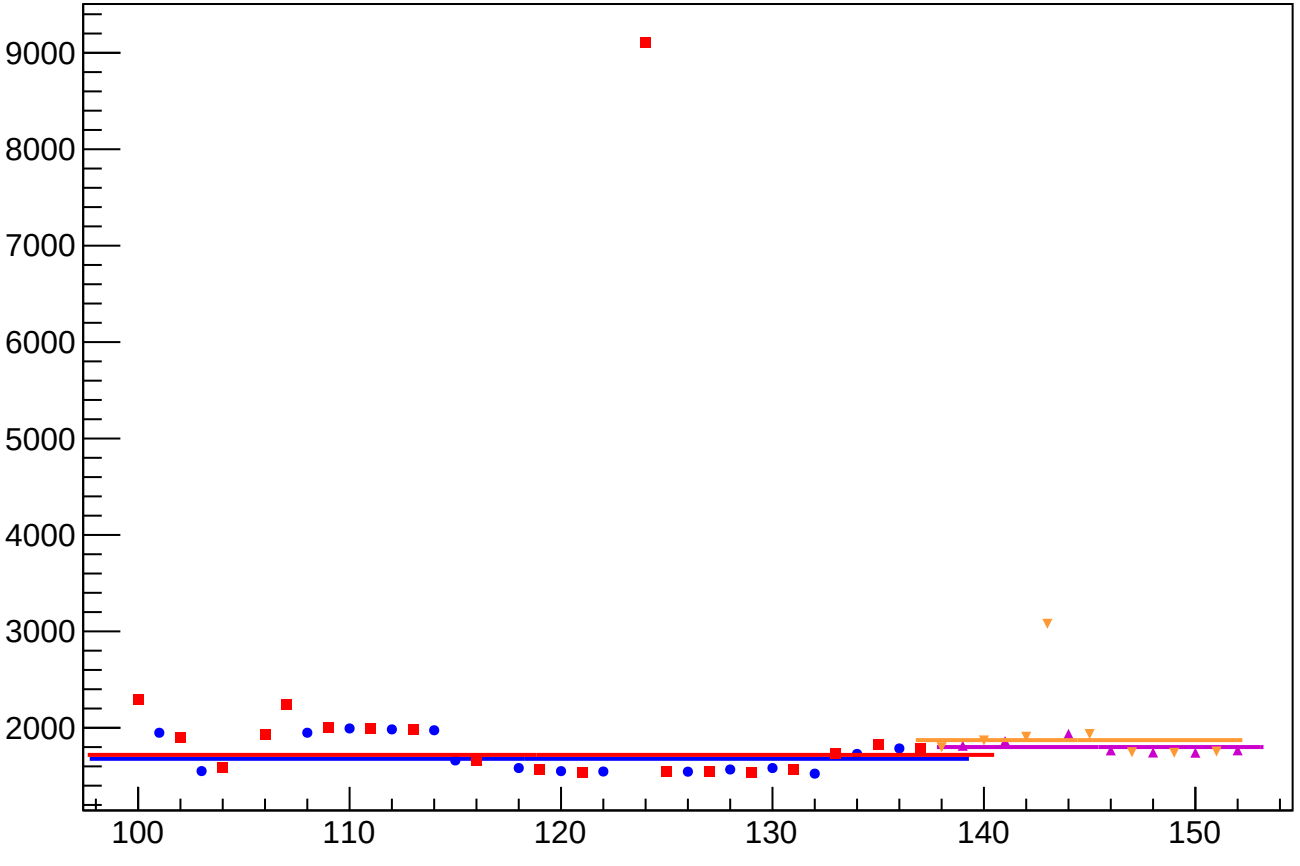
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2195.471+/-475.249 χ^2/NDF:24.0/22

Out: 1425.226+/-490.673 χ^2/NDF:31.7/26

All: 1822.645+/-341.374 χ^2/NDF: 57.0/49

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: 1800.407+/-0.514 χ^2/NDF:16085.9/6

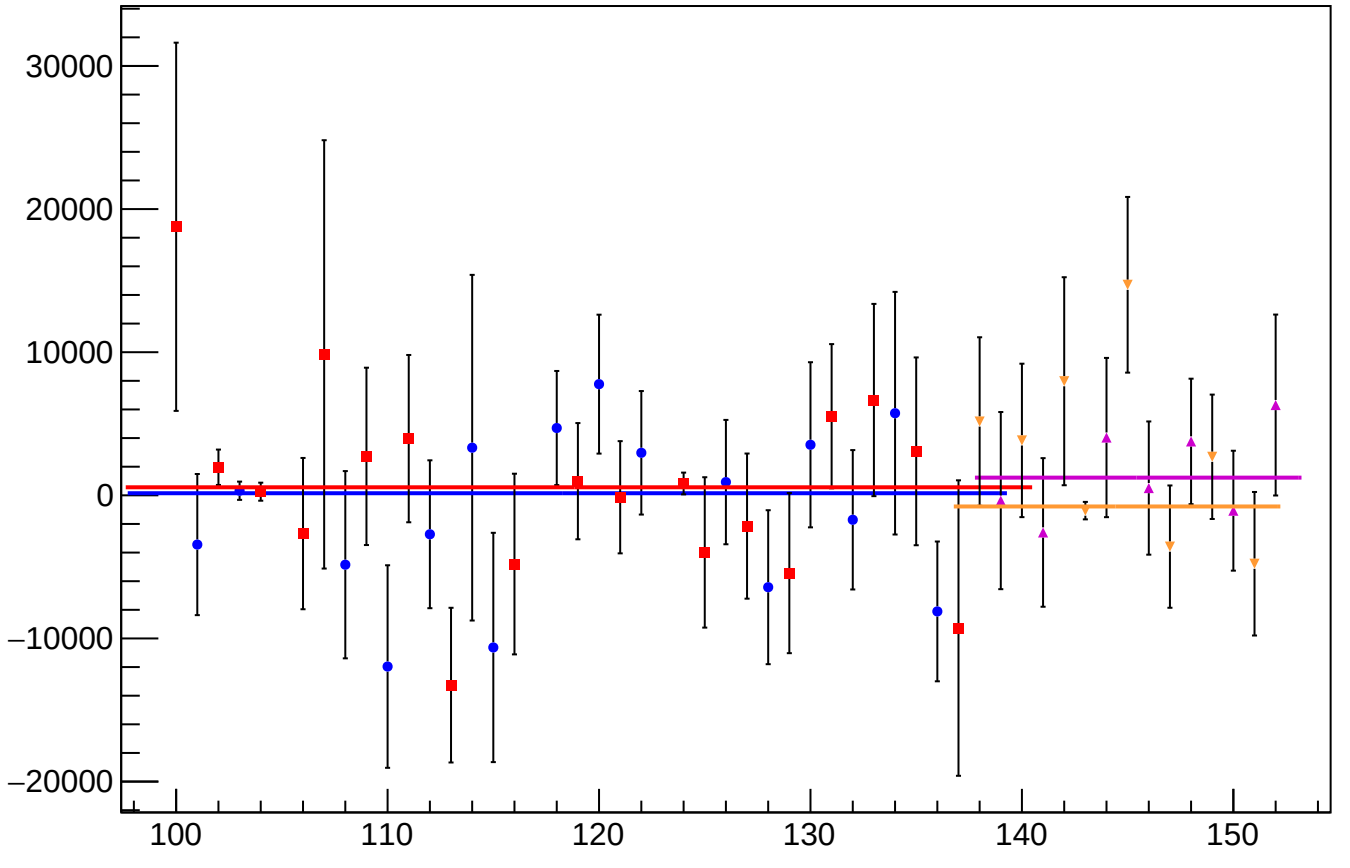
Left: 1834.757+/-0.372 χ^2/NDF: 306520.9/14

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1730.588+/-0.336 χ^2/NDF:189745.5/22

Out: 1782.590+/-0.346 χ^2/NDF:713543.6/26

All: 1755.824+/-0.241 χ^2/NDF: 914909.6/49



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: 1235.981+/-1904.352 χ^2/NDF:2.2/6

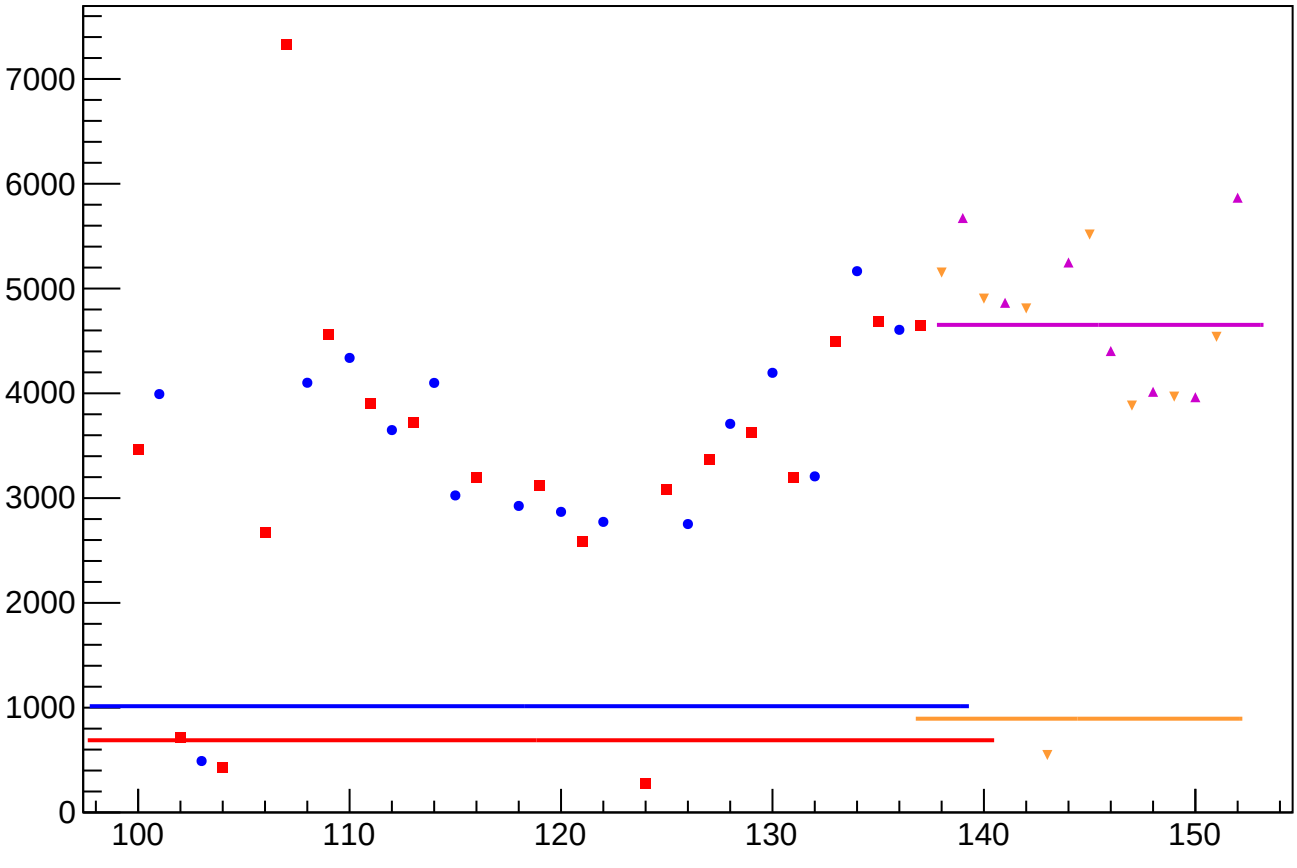
Left: -606.036+/-557.572 χ^2/NDF: 14.7/14

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 238.838+/-554.274 χ^2/NDF:18.3/22

Out: 88.507+/-346.405 χ^2/NDF:32.1/26

All: 130.732+/-293.755 χ^2/NDF: 50.5/49



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: 4653.271+/-1.347 χ^2/NDF:256781.7/6

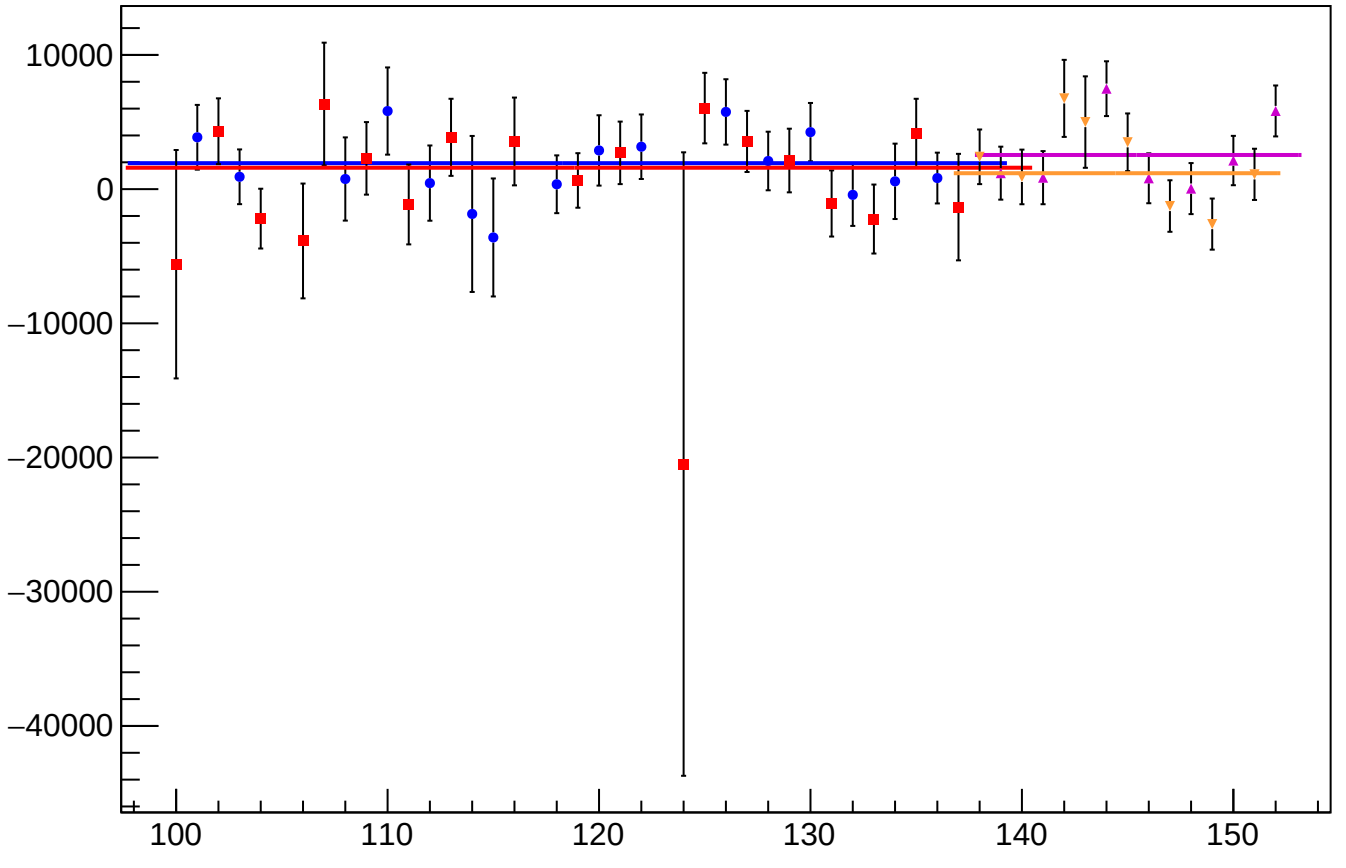
Left: 1217.006+/-0.394 χ^2/NDF: 14938178.8/14

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1322.383+/-0.392 χ^2/NDF:15164756.2/22

Out: 761.665+/-0.245 χ^2/NDF:16630404.6/26

All: 919.159+/-0.208 χ^2/NDF: 33267039.7/49



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: 2545.065+/-727.224 χ^2/NDF:12.7/6

Left: 1896.134+/-525.605 χ^2/NDF: 26.5/14

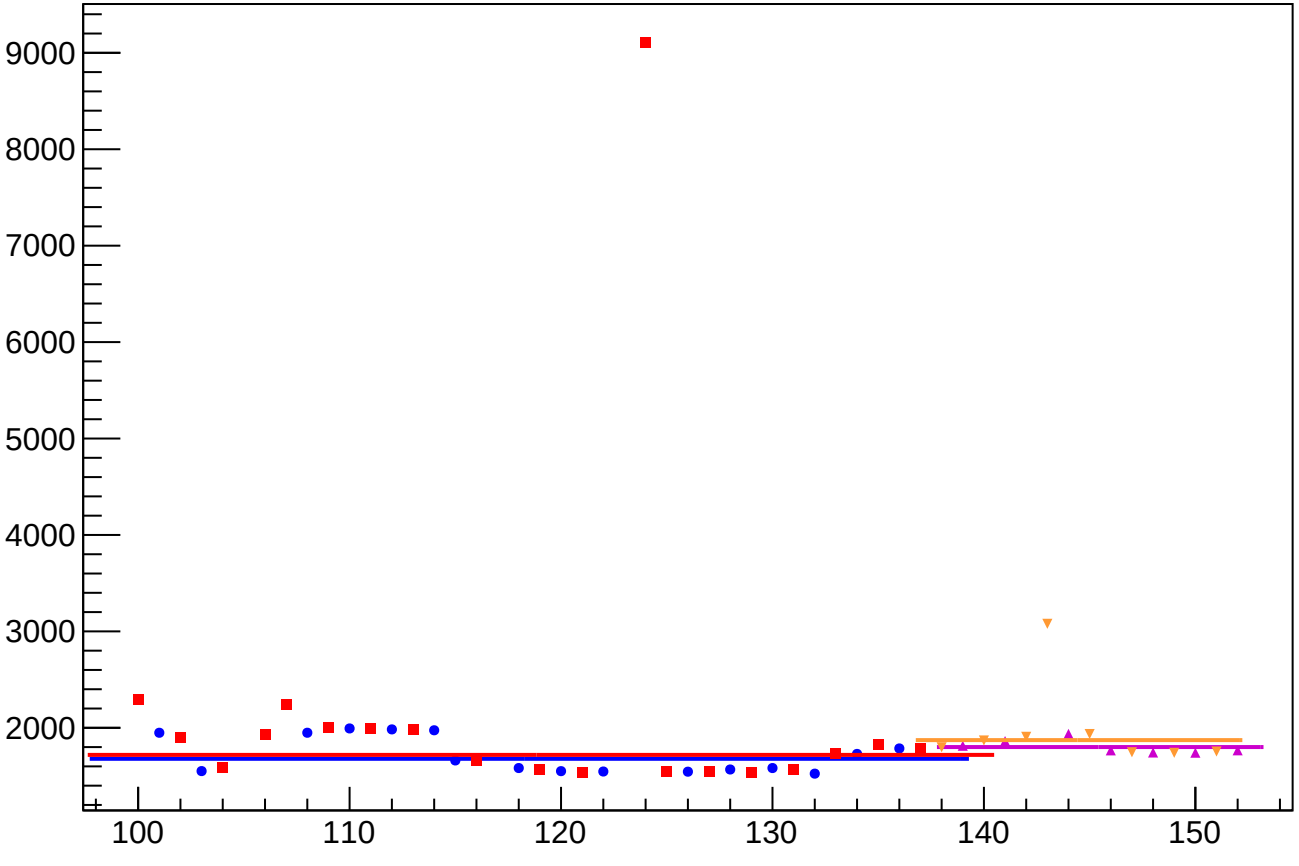
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2195.471+/-475.249 χ^2/NDF:24.0/22

Out: 1425.226+/-490.673 χ^2/NDF:31.7/26

All: 1822.645+/-341.374 χ^2/NDF: 57.0/49

eigen_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: 1800.407+/-0.514 χ^2/NDF:16085.9/6

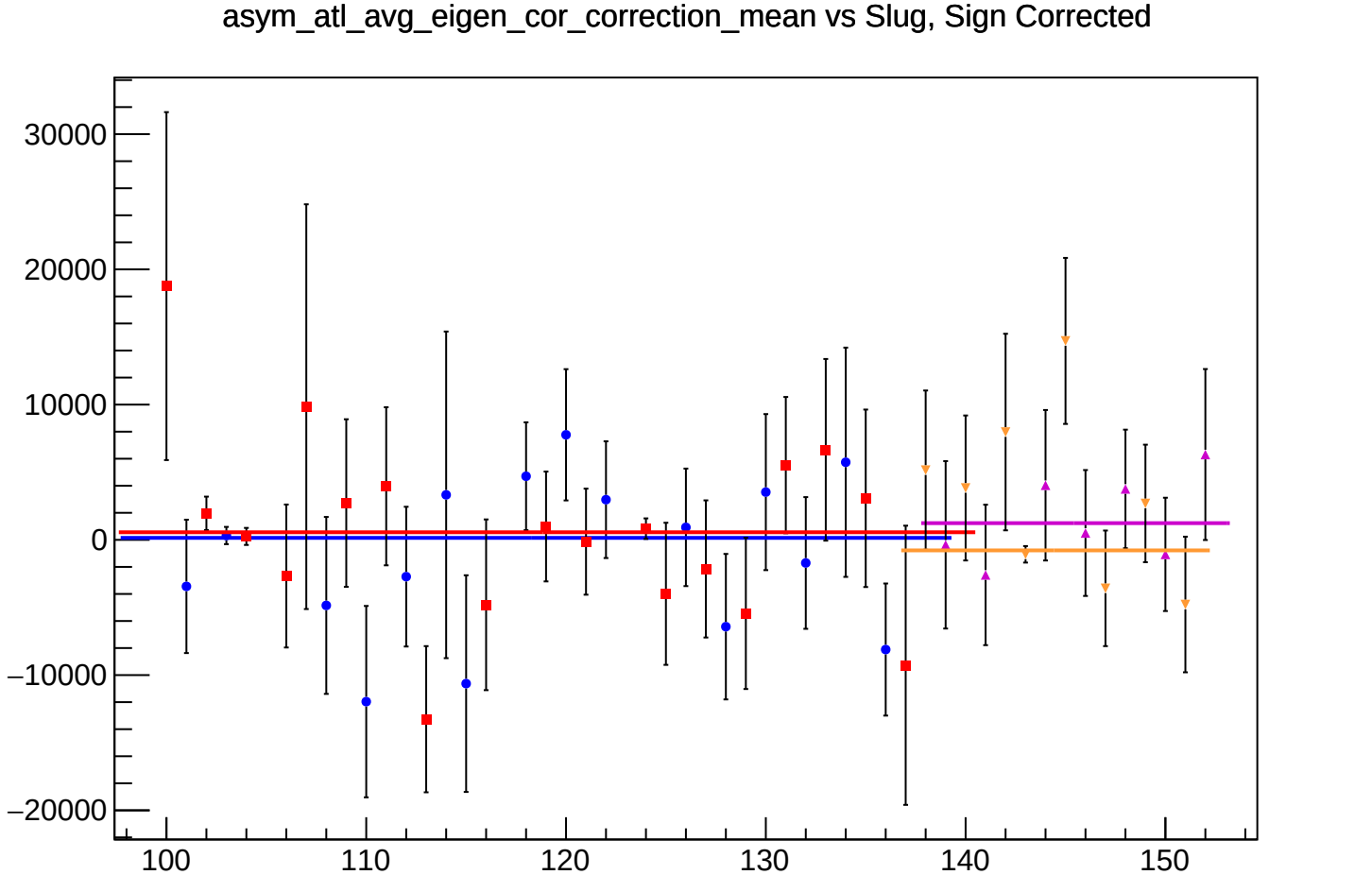
Left: 1834.757+/-0.372 χ^2/NDF: 306520.9/14

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1730.588+/-0.336 χ^2/NDF:189745.5/22

Out: 1782.590+/-0.346 χ^2/NDF:713543.6/26

All: 1755.824+/-0.241 χ^2/NDF: 914909.6/49



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: 1235.981+/-1904.352 χ^2/NDF:2.2/6

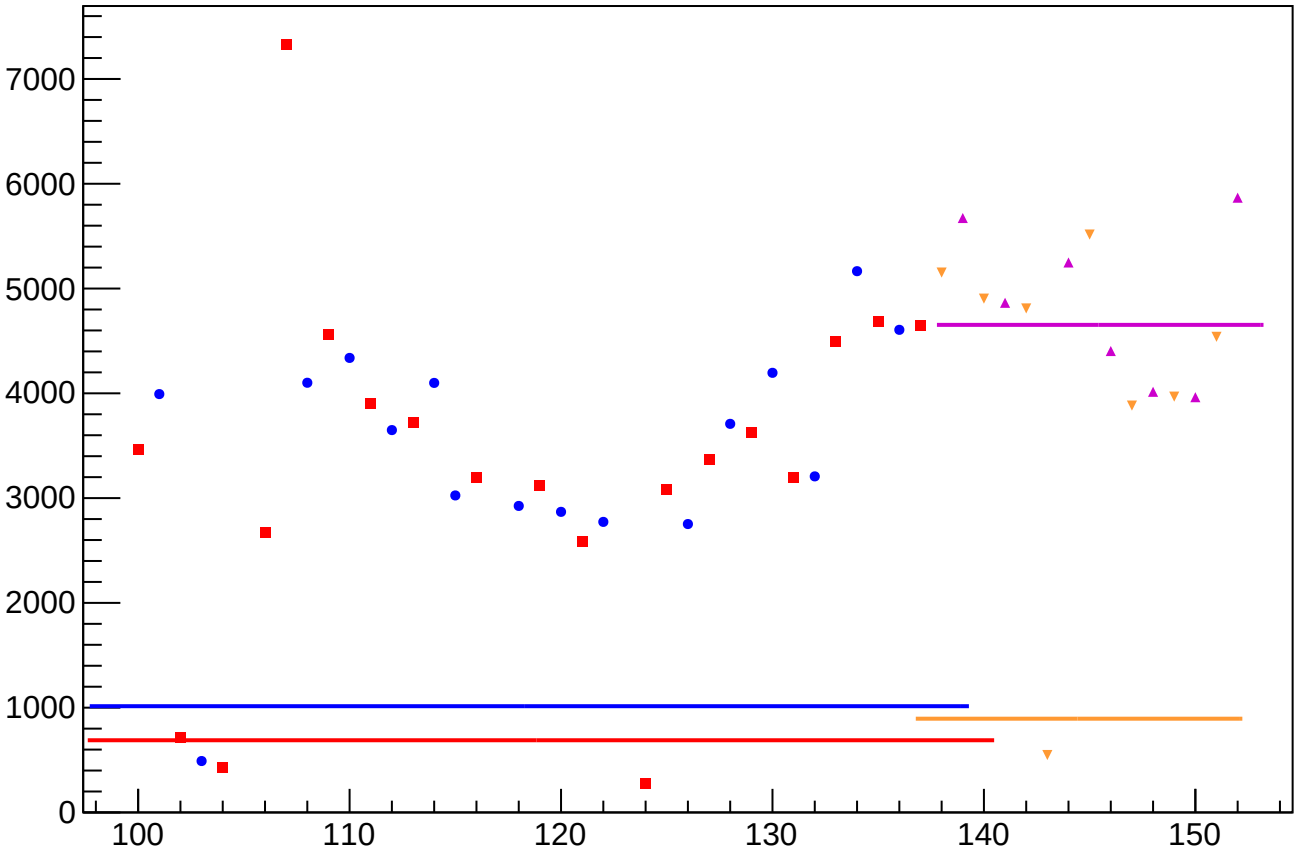
Left: -606.036+/-557.572 χ^2/NDF: 14.7/14

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 238.838+/-554.274 χ^2/NDF:18.3/22

Out: 88.507+/-346.405 χ^2/NDF:32.1/26

All: 130.732+/-293.755 χ^2/NDF: 50.5/49



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: 4653.271+/-1.347 χ^2/NDF:256781.7/6

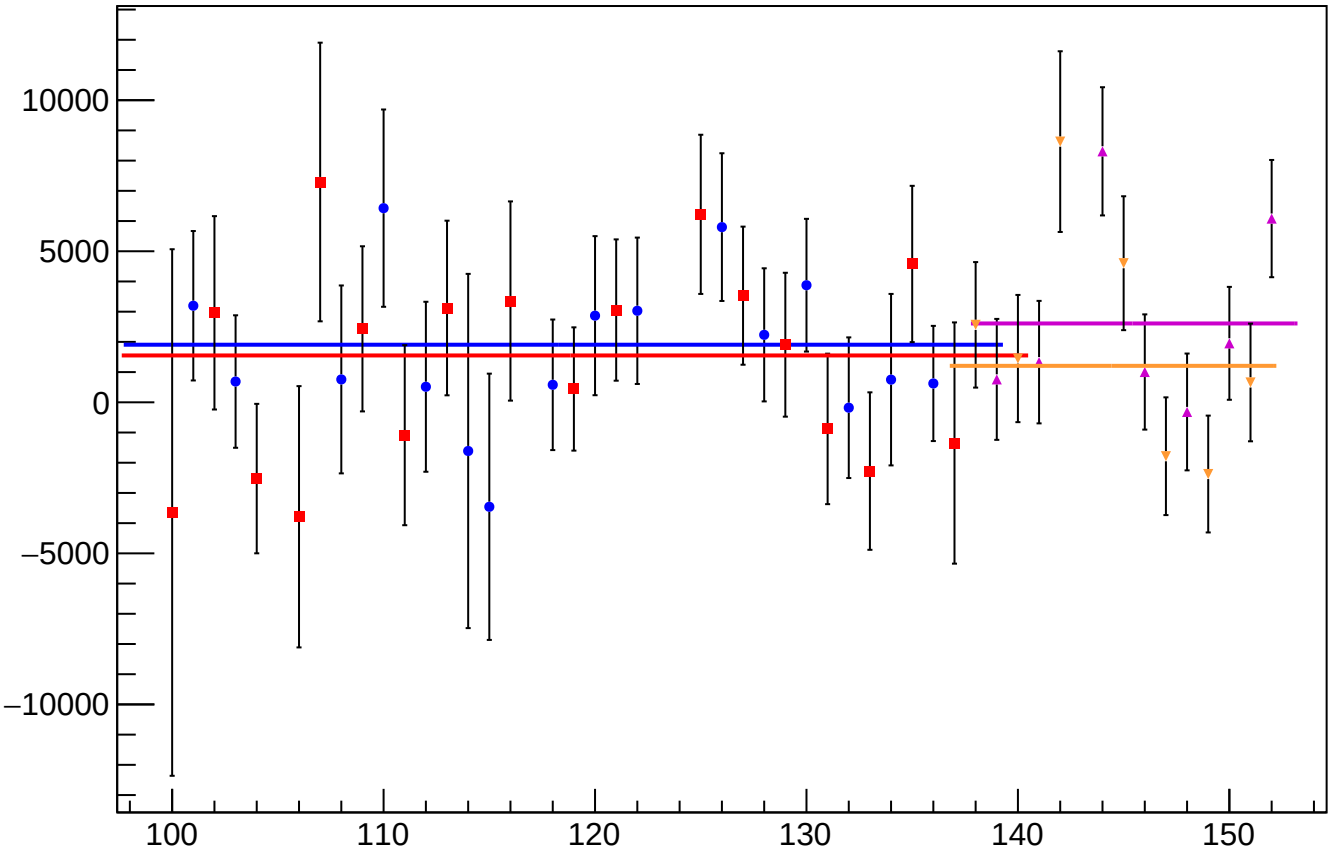
Left: 1217.006+/-0.394 χ^2/NDF: 14938178.8/14

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1322.383+/-0.392 χ^2/NDF:15164756.2/22

Out: 761.665+/-0.245 χ^2/NDF:16630404.6/26

All: 919.159+/-0.208 χ^2/NDF: 33267039.7/49



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: 2609.962+/-743.418 χ^2/NDF:14.8/6

Left: 1958.999+/-544.224 χ^2/NDF: 31.3/13

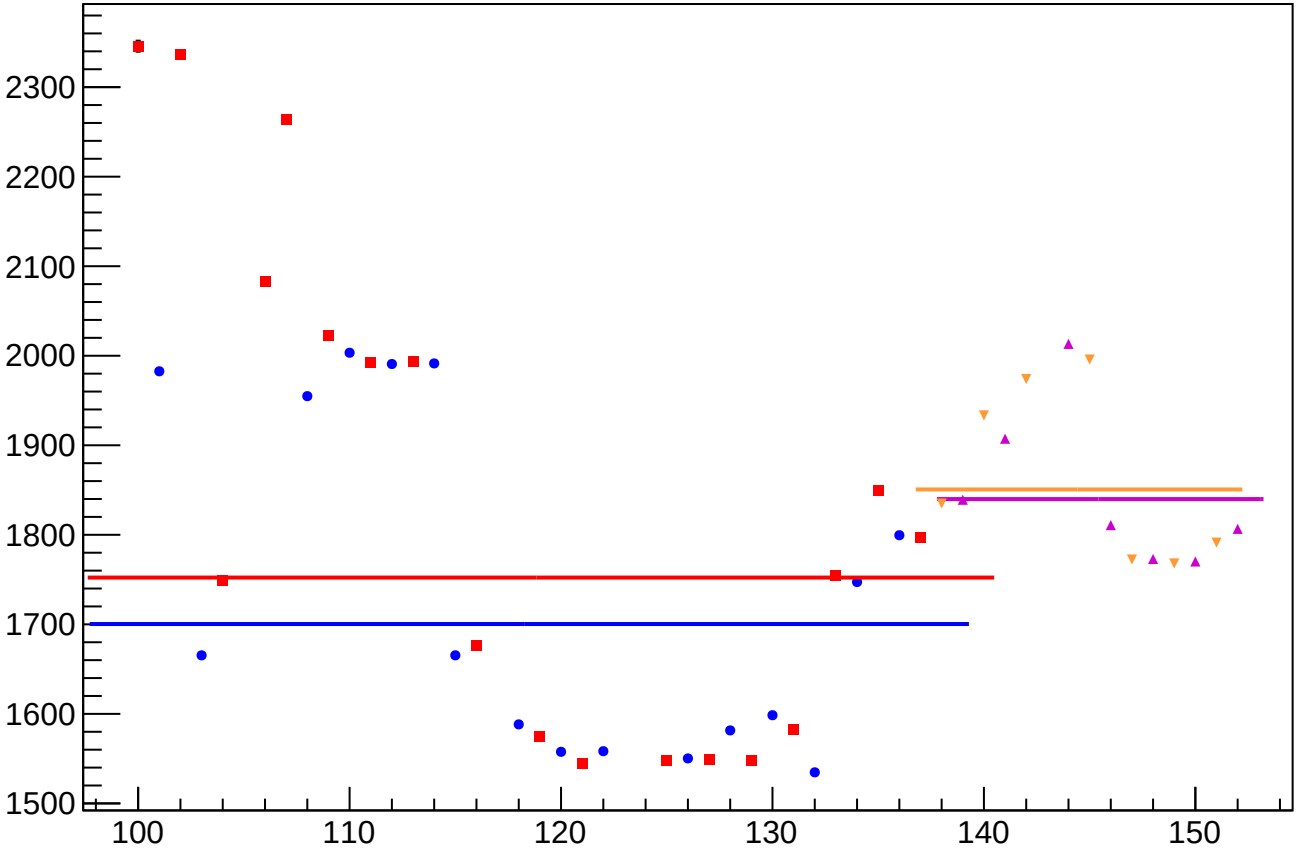
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2203.845+/-483.467 χ^2/NDF:25.5/22

Out: 1411.302+/-509.297 χ^2/NDF:32.4/24

All: 1828.180+/-350.639 χ^2/NDF: 59.2/47

dit_asym_atl_avg_rms vs Slug, Sign Corrected



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: 1839.929+/-0.526 χ^2/NDF:21793.4/6

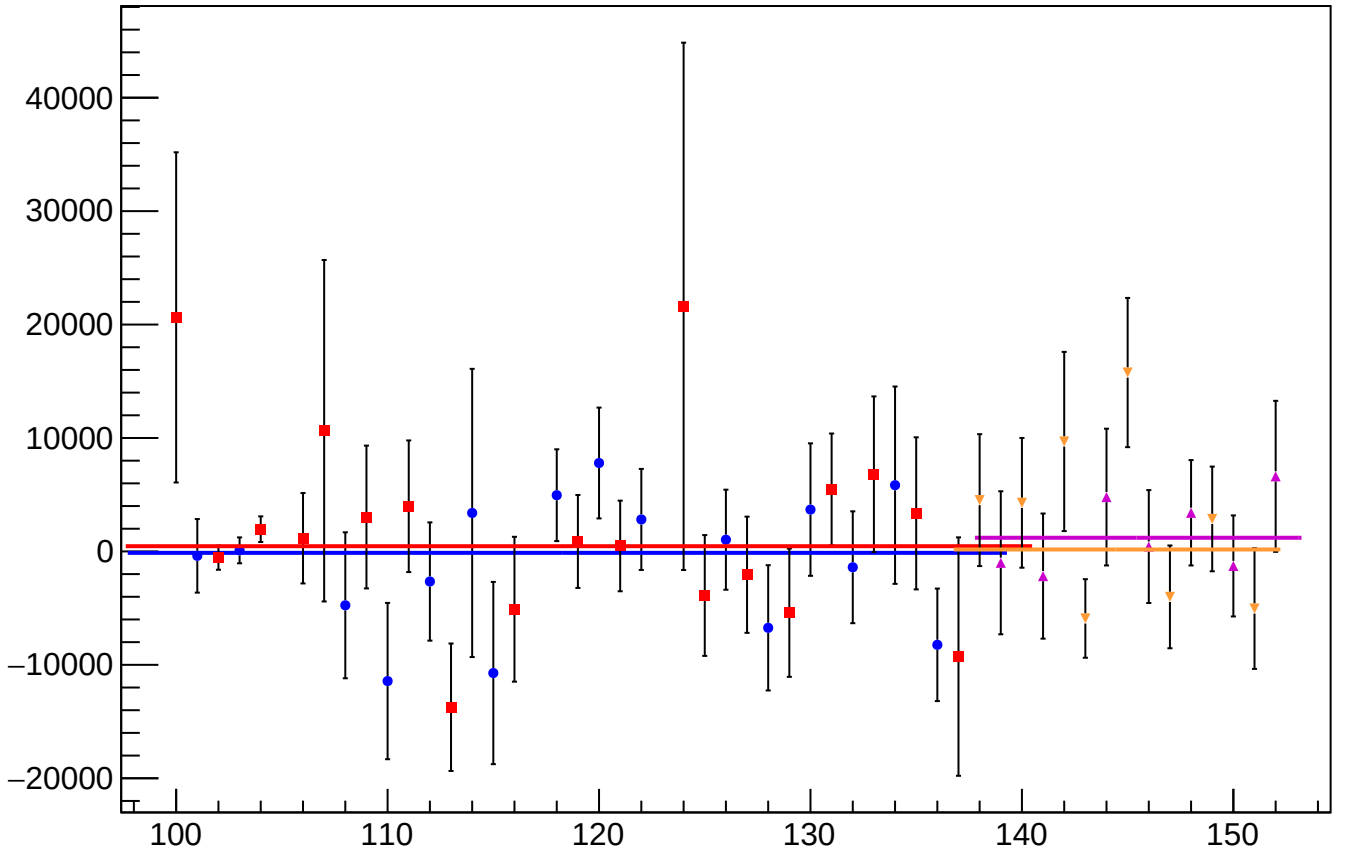
Left: 1844.910+/-0.385 χ^2/NDF: 45897.8/13

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1759.386+/-0.342 χ^2/NDF:197893.3/22

Out: 1792.134+/-0.360 χ^2/NDF:289917.0/24

All: 1774.931+/-0.248 χ^2/NDF: 492165.8/47



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: 1203.446+/-2019.287 χ^2/NDF:2.1/6

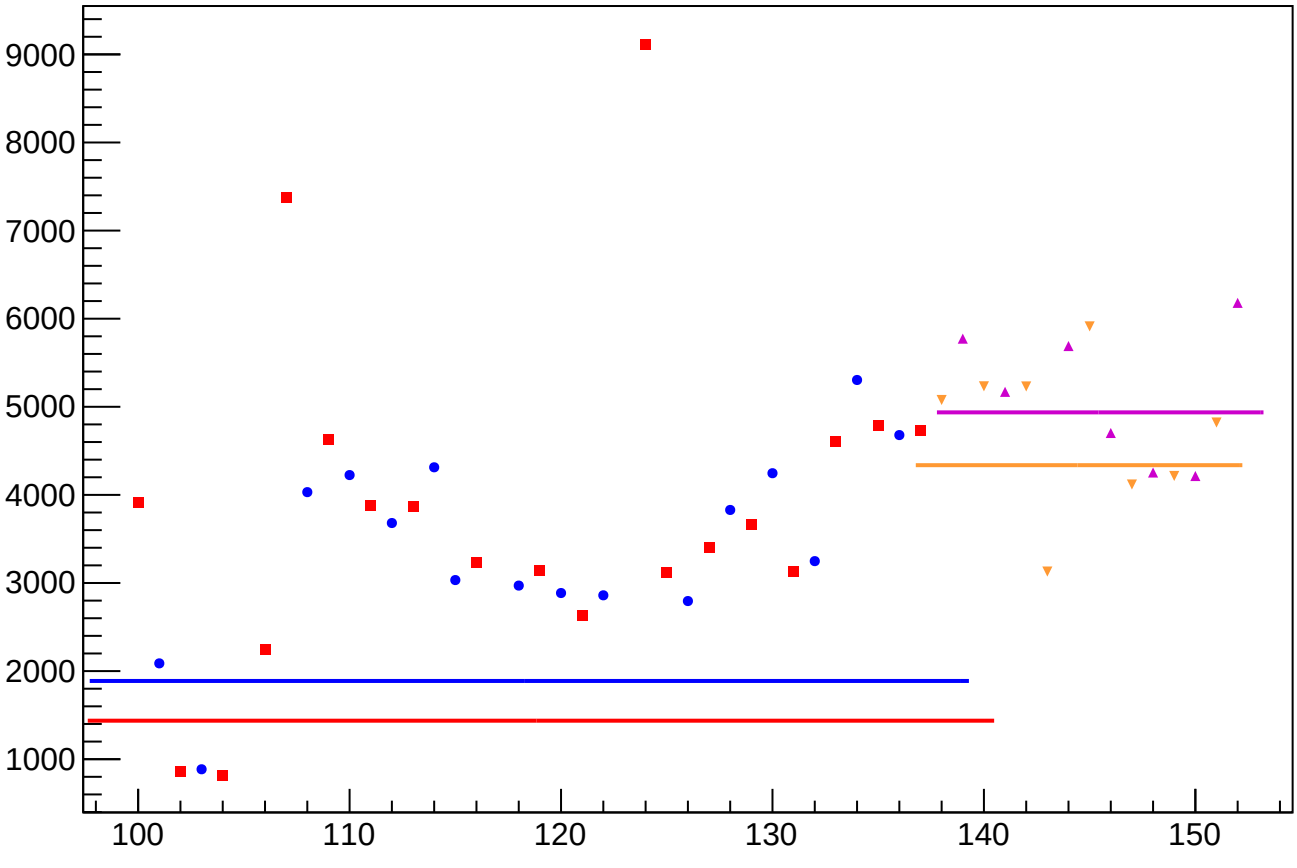
Left: 623.118+/-1337.725 χ^2/NDF: 15.6/14

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 81.644+/-797.172 χ^2/NDF:17.5/22

Out: 422.762+/-634.800 χ^2/NDF:31.9/26

All: 290.391+/-496.587 χ^2/NDF: 49.5/49



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: 4936.642+/-1.428 χ^2/NDF:239947.2/6

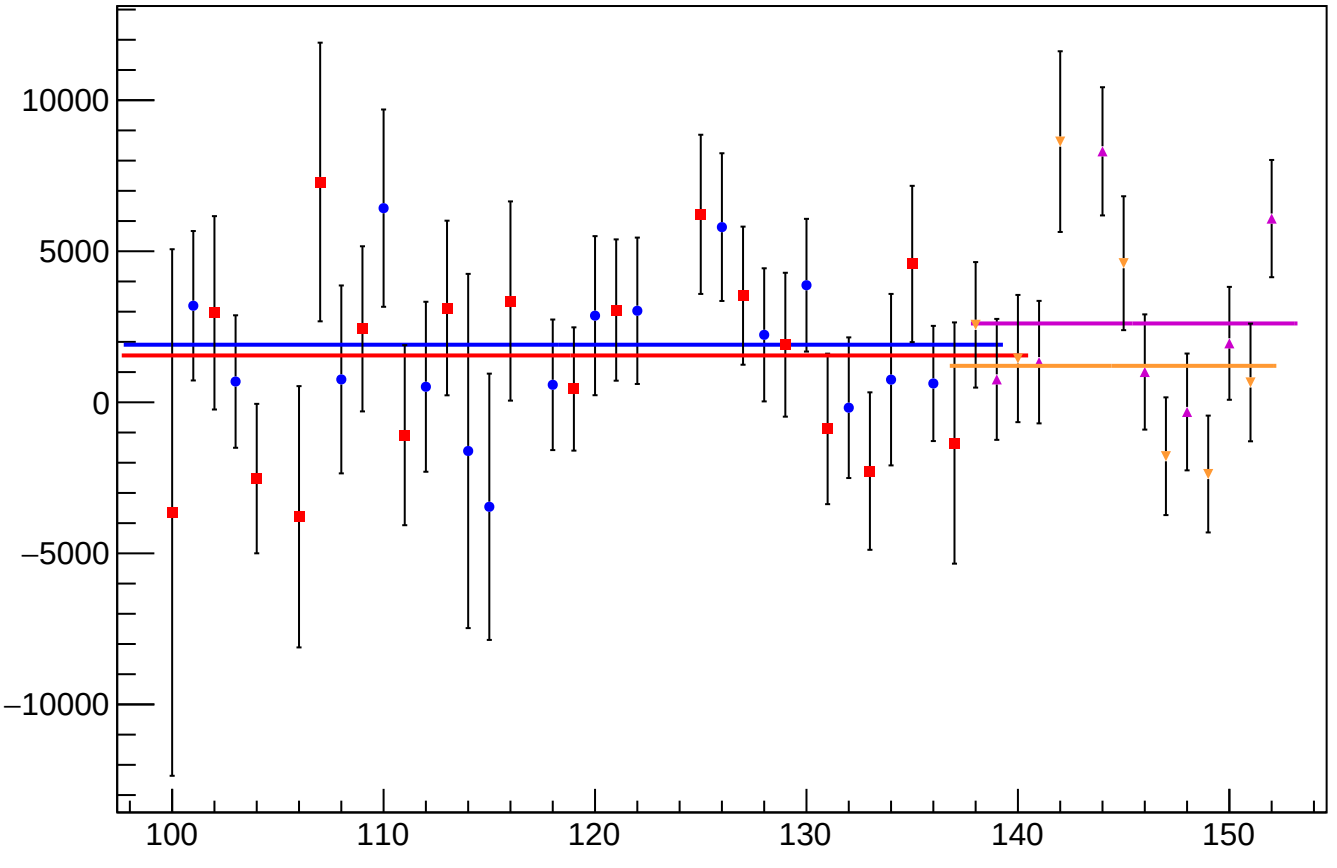
Left: 4600.298+/-0.946 χ^2/NDF: 826097.1/14

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2363.130+/-0.564 χ^2/NDF:8513916.2/22

Out: 1803.562+/-0.449 χ^2/NDF:11059605.9/26

All: 2020.702+/-0.351 χ^2/NDF: 20176566.6/4



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: 2609.963+/-743.418 χ^2/NDF:14.8/6

Left: 1959.002+/-544.224 χ^2/NDF: 31.3/13

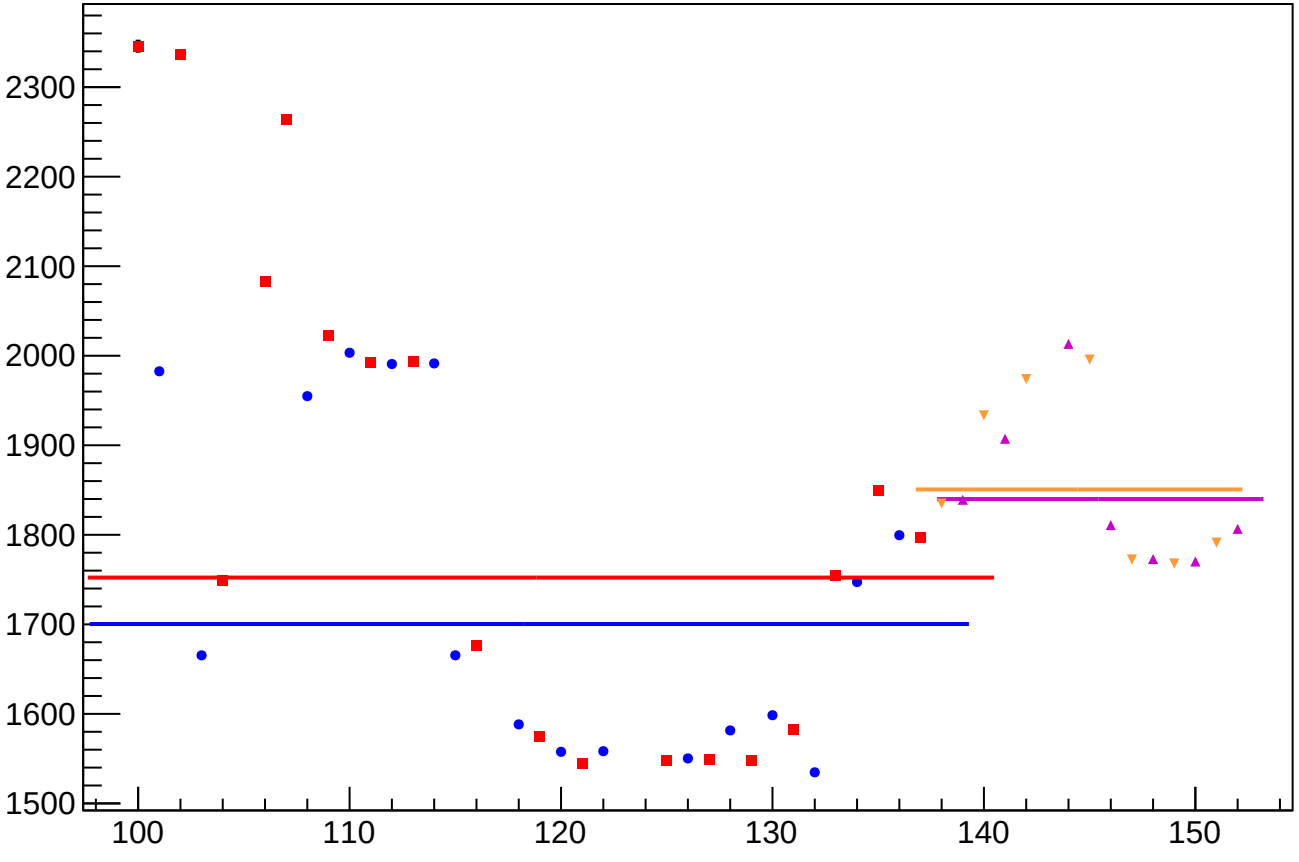
Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2203.844+/-483.467 χ^2/NDF:25.5/22

Out: 1411.303+/-509.297 χ^2/NDF:32.4/24

All: 1828.180+/-350.639 χ^2/NDF: 59.2/47

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



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: 1839.930+/-0.526 χ^2/NDF:21793.7/6

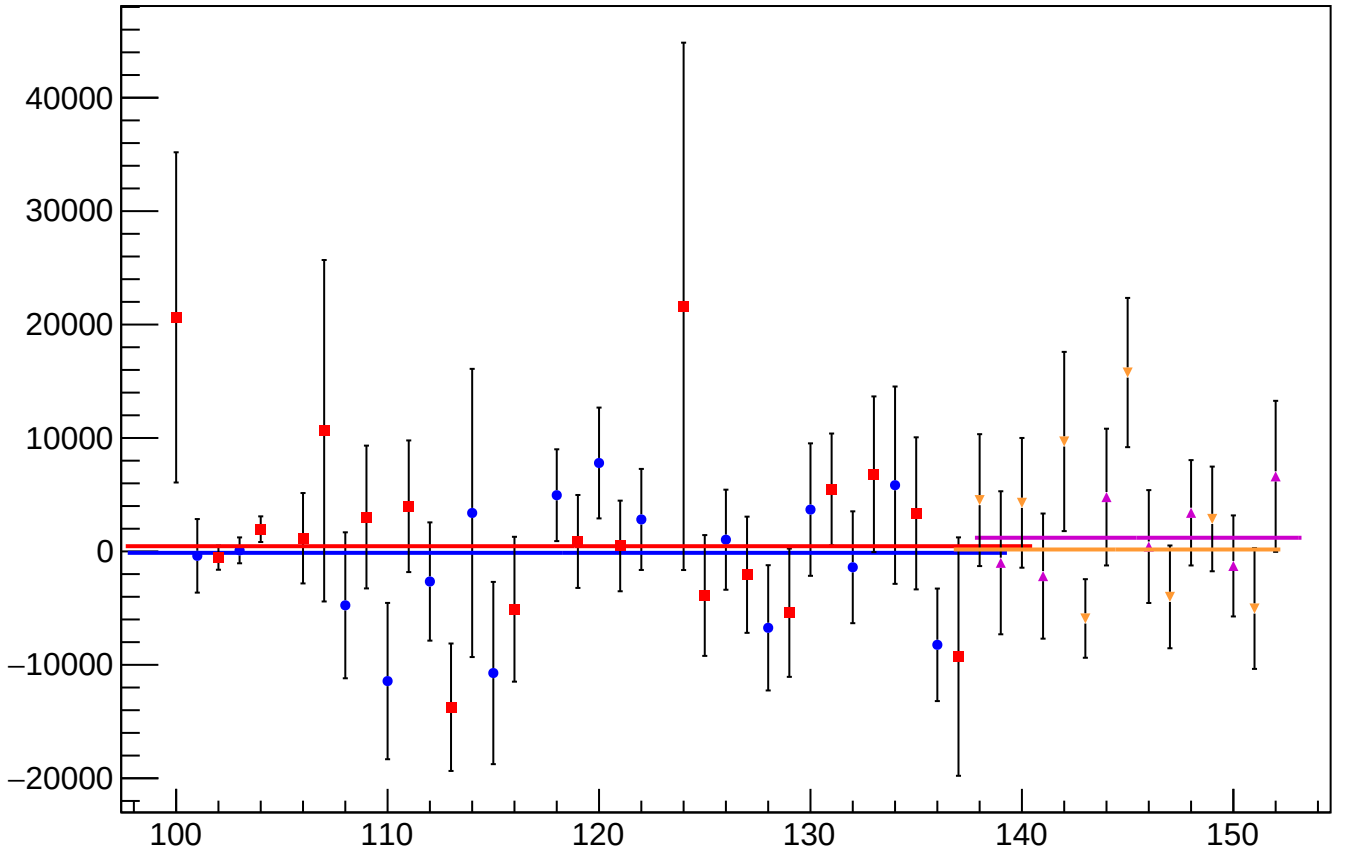
Left: 1844.911+/-0.385 χ^2/NDF: 45898.6/13

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1759.386+/-0.342 χ^2/NDF:197894.6/22

Out: 1792.134+/-0.360 χ^2/NDF:289917.5/24

All: 1774.931+/-0.248 χ^2/NDF: 492167.6/47



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: 1203.448+/-2019.290 χ^2/NDF:2.1/6

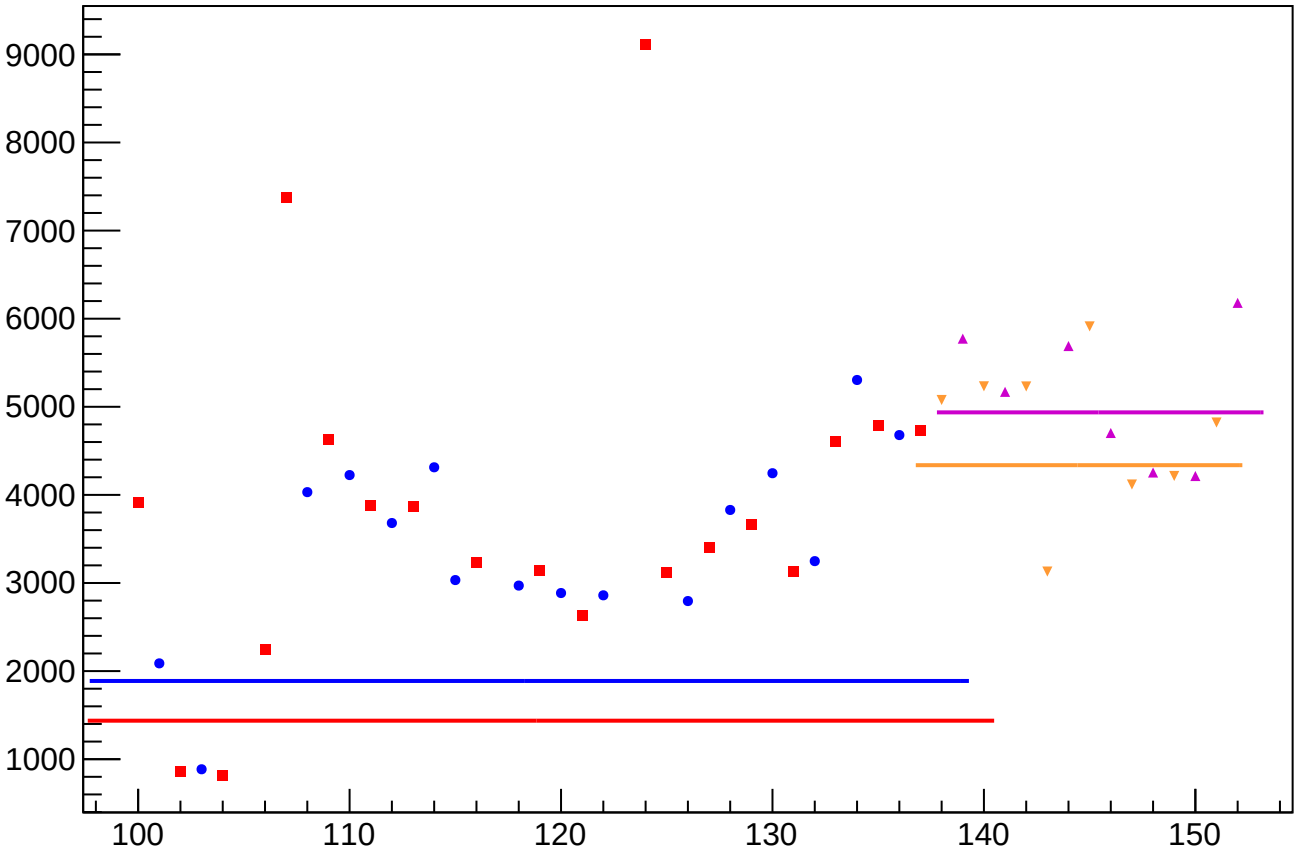
Left: 623.115+/-1337.727 χ^2/NDF: 15.6/14

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: 81.645+/-797.167 χ^2/NDF:17.5/22

Out: 422.760+/-634.796 χ^2/NDF:31.9/26

All: 290.391+/-496.584 χ^2/NDF: 49.5/49



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: 4936.647+/-1.428 χ^2/NDF:239949.9/6

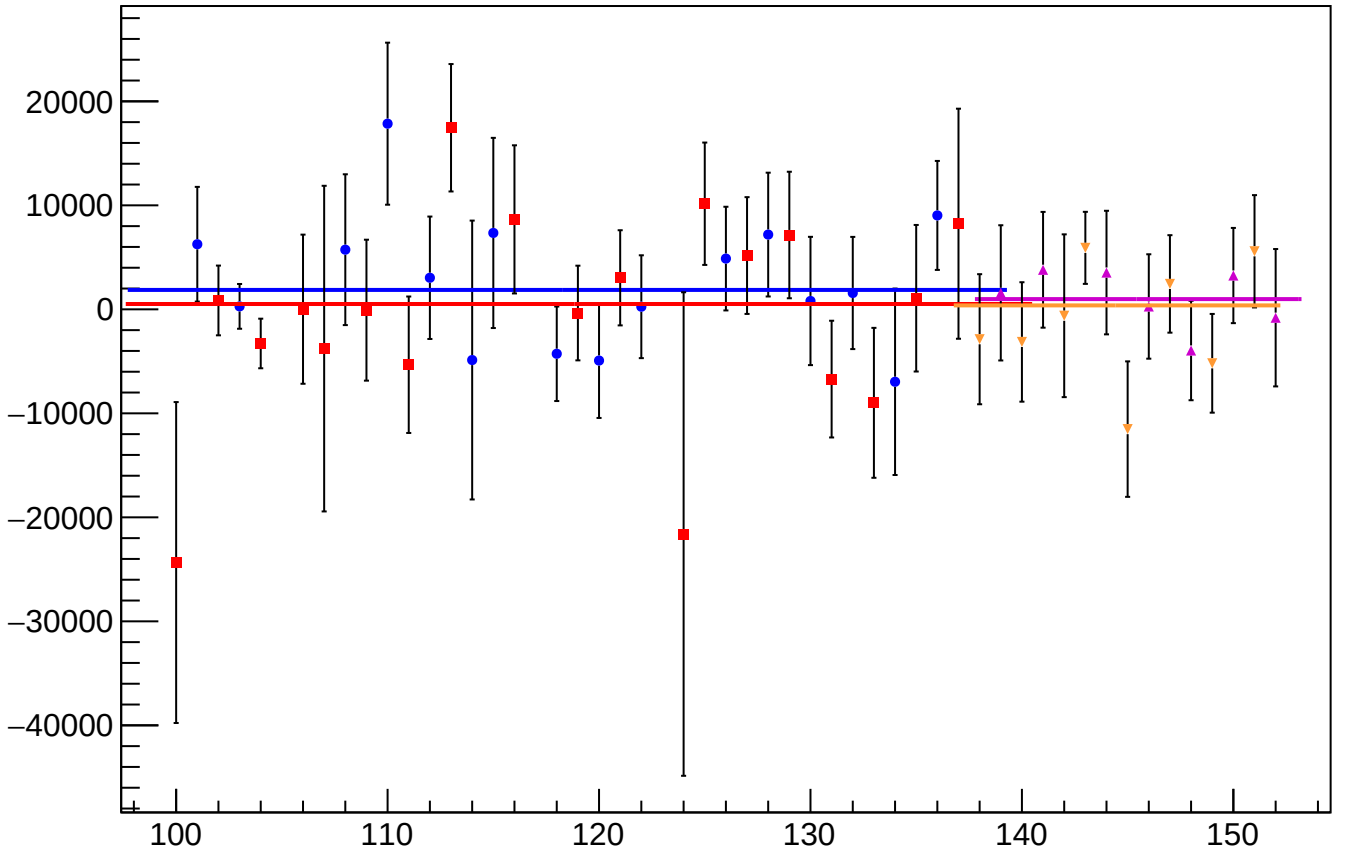
Left: 4600.302+/-0.946 χ^2/NDF: 826104.9/14

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2363.111+/-0.564 χ^2/NDF:8514011.1/22

Out: 1803.545+/-0.449 χ^2/NDF:11059699.5/26

All: 2020.684+/-0.351 χ^2/NDF: 20176756.7/4



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: 985.028+/-2048.397 χ^2/NDF:1.9/6

Left: 645.556+/-1358.772 χ^2/NDF: 11.0/14

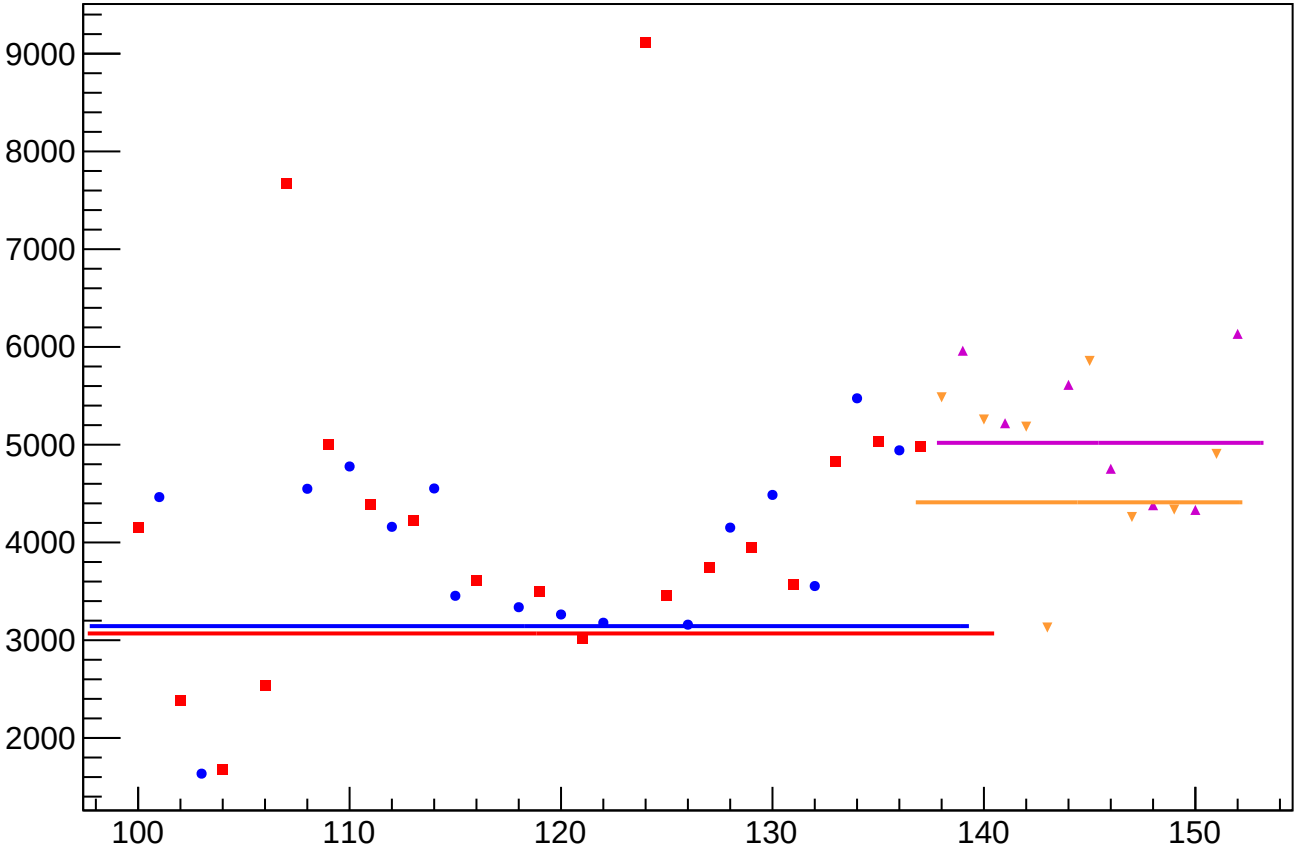
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1624.845+/-1072.716 χ^2/NDF:15.8/22

Out: 469.931+/-1024.852 χ^2/NDF:33.7/26

All: 1021.048+/-741.023 χ^2/NDF: 50.1/49

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: 5019.091+/-1.448 χ^2/NDF:207640.9/6

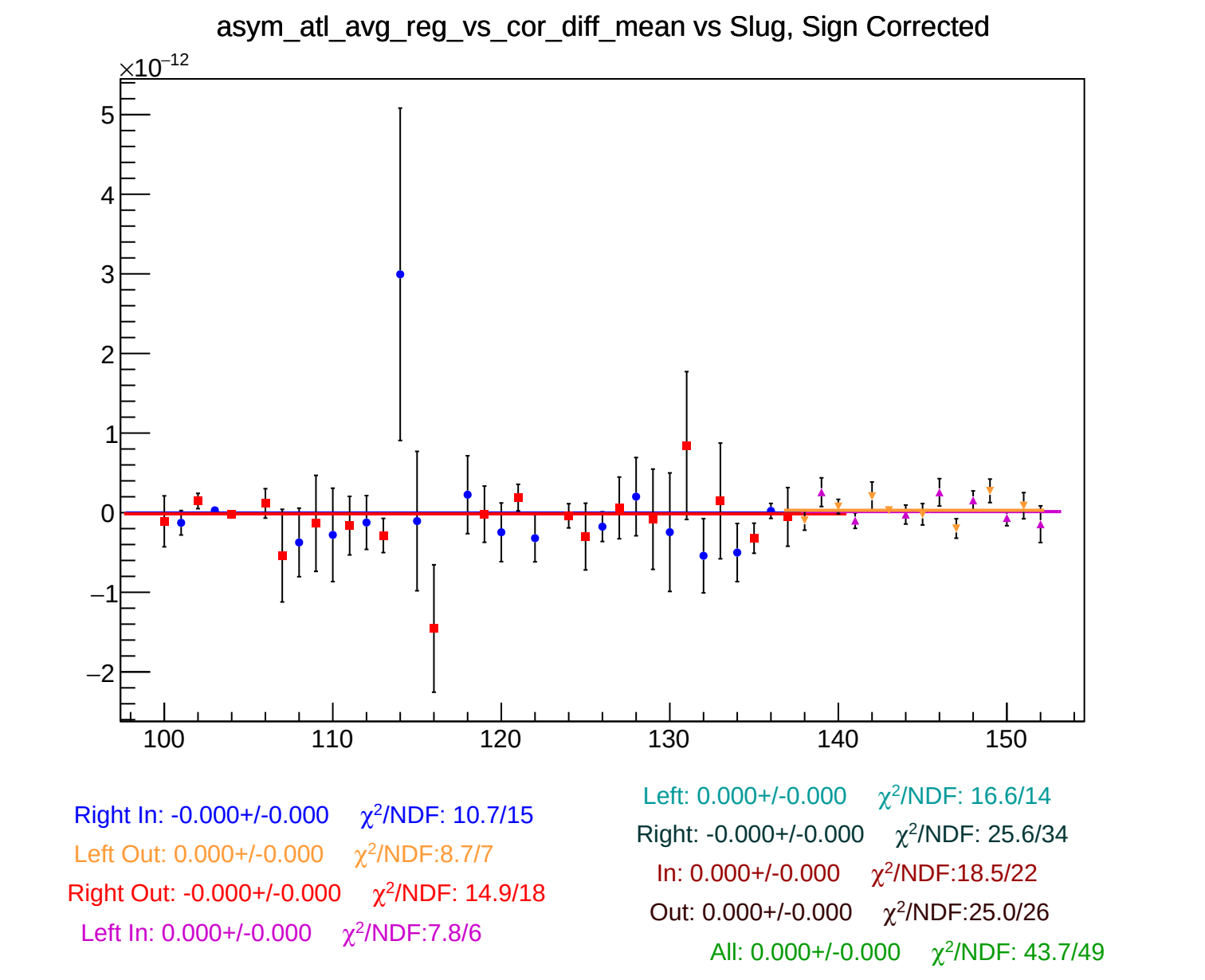
Left: 4678.315+/-0.961 χ^2/NDF: 819934.3/14

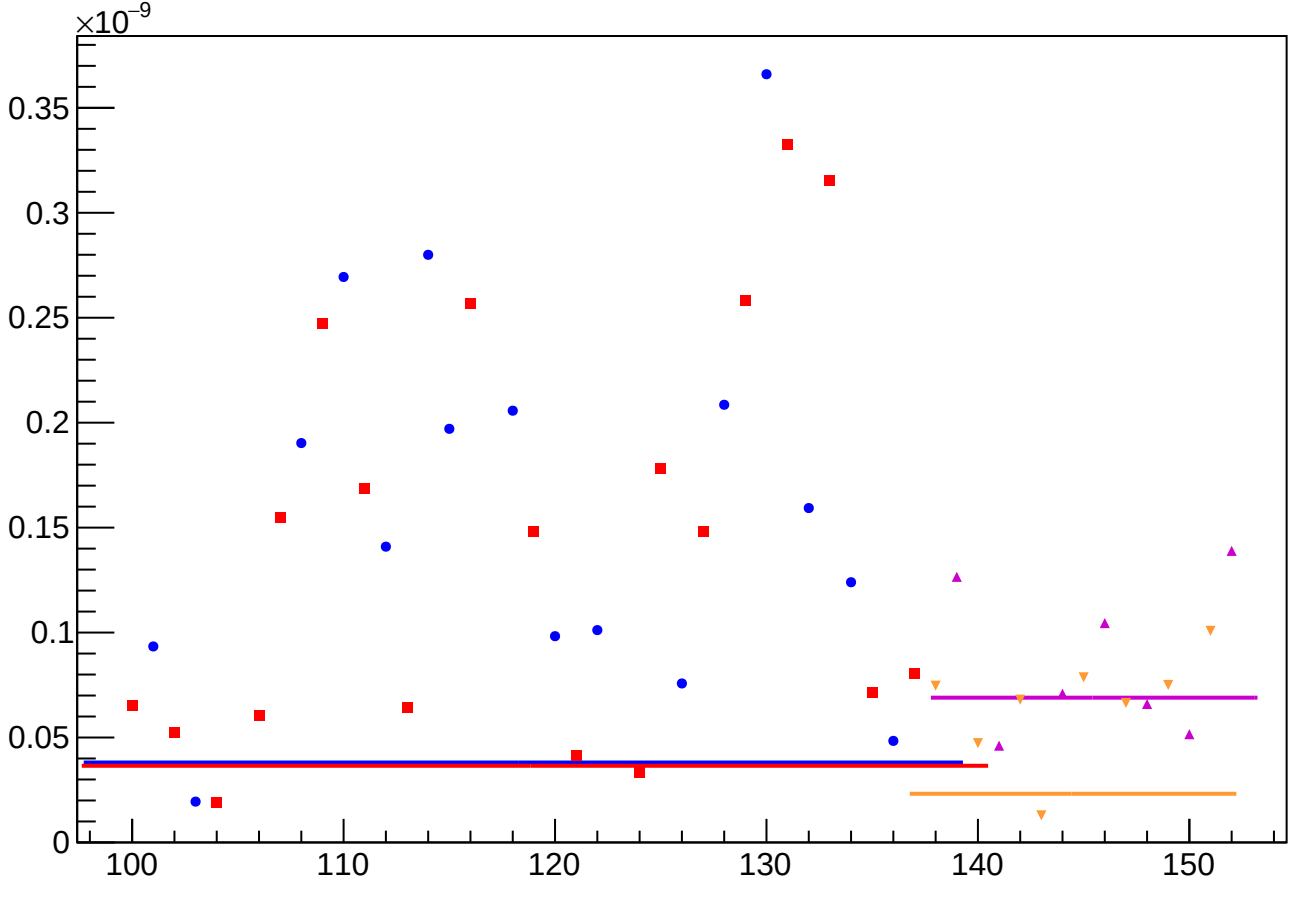
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3658.335+/-0.759 χ^2/NDF:3306890.5/22

Out: 3487.354+/-0.717 χ^2/NDF:3146341.3/26

All: 3568.028+/-0.521 χ^2/NDF: 6480068.5/49


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:7.8/6
Left: 0.000+/-0.000 χ²/NDF: 16.6/14
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: 0.000+/-0.000 χ²/NDF:18.5/22
Out: 0.000+/-0.000 χ²/NDF:25.0/26
All: 0.000+/-0.000 χ²/NDF: 43.7/49



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:648646.7/6

Left: 0.000+/-0.000 χ^2/NDF: 4457367.2/14

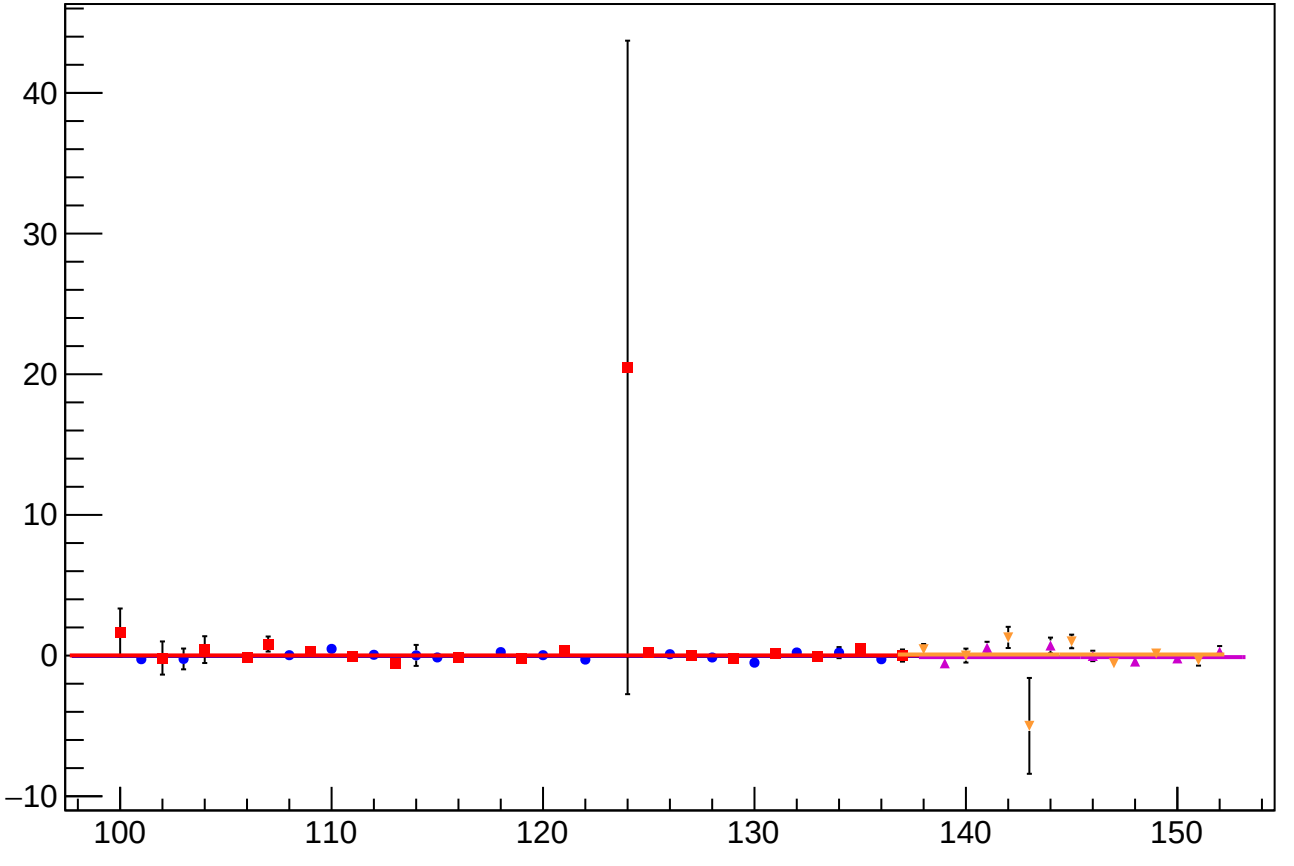
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:4089241.7/22

Out: 0.000+/-0.000 χ^2/NDF:5202650.3/26

All: 0.000+/-0.000 χ^2/NDF: 10128503.5/49

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: -0.109+/-0.136 χ^2/NDF:9.2/6

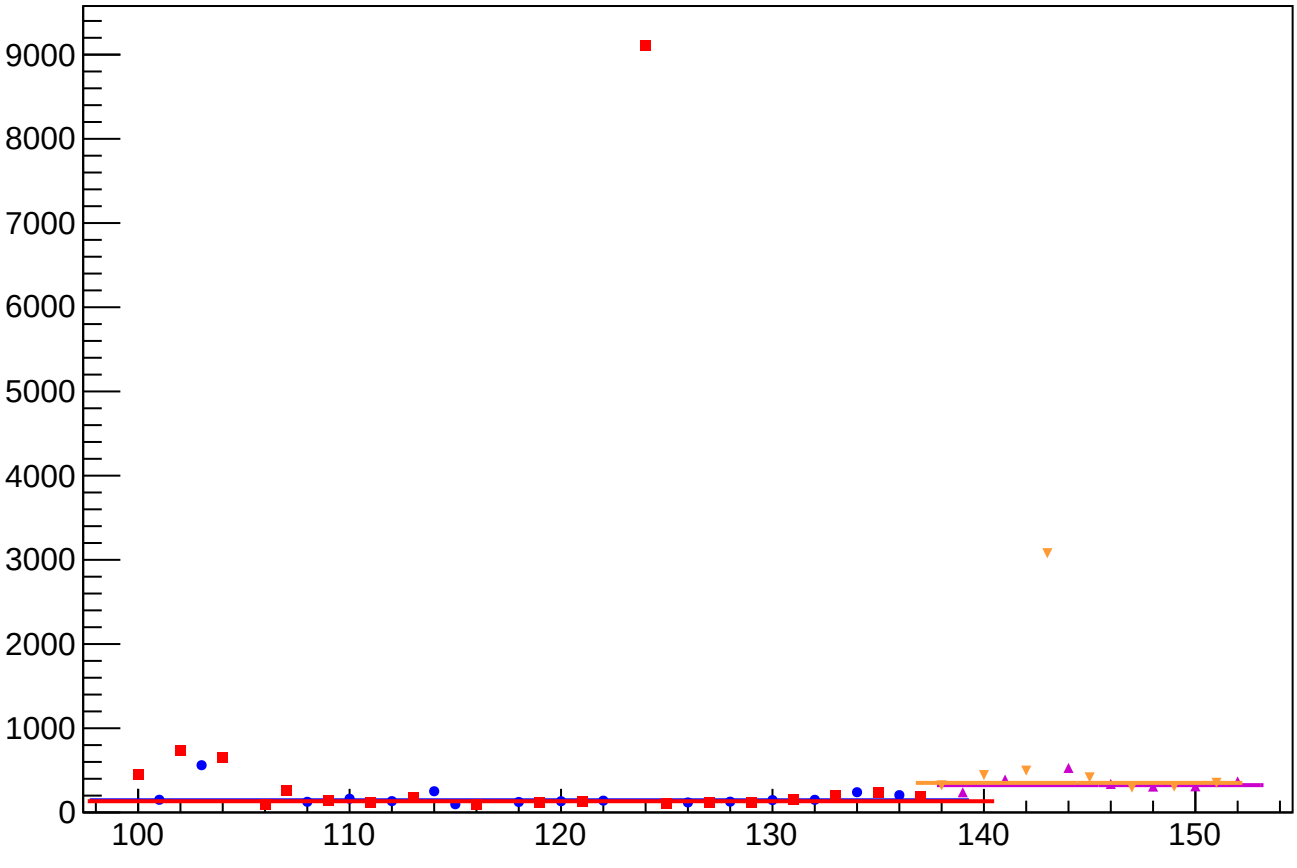
Left: -0.027+/-0.102 χ^2/NDF: 24.3/14

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.041+/-0.053 χ^2/NDF:26.8/22

Out: 0.019+/-0.053 χ^2/NDF:36.3/26

All: -0.011+/-0.038 χ^2/NDF: 63.7/49



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: 324.417+/-0.096 χ^2/NDF:544621.8/6

Left: 336.258+/-0.072 χ^2/NDF: 2149025.6/14

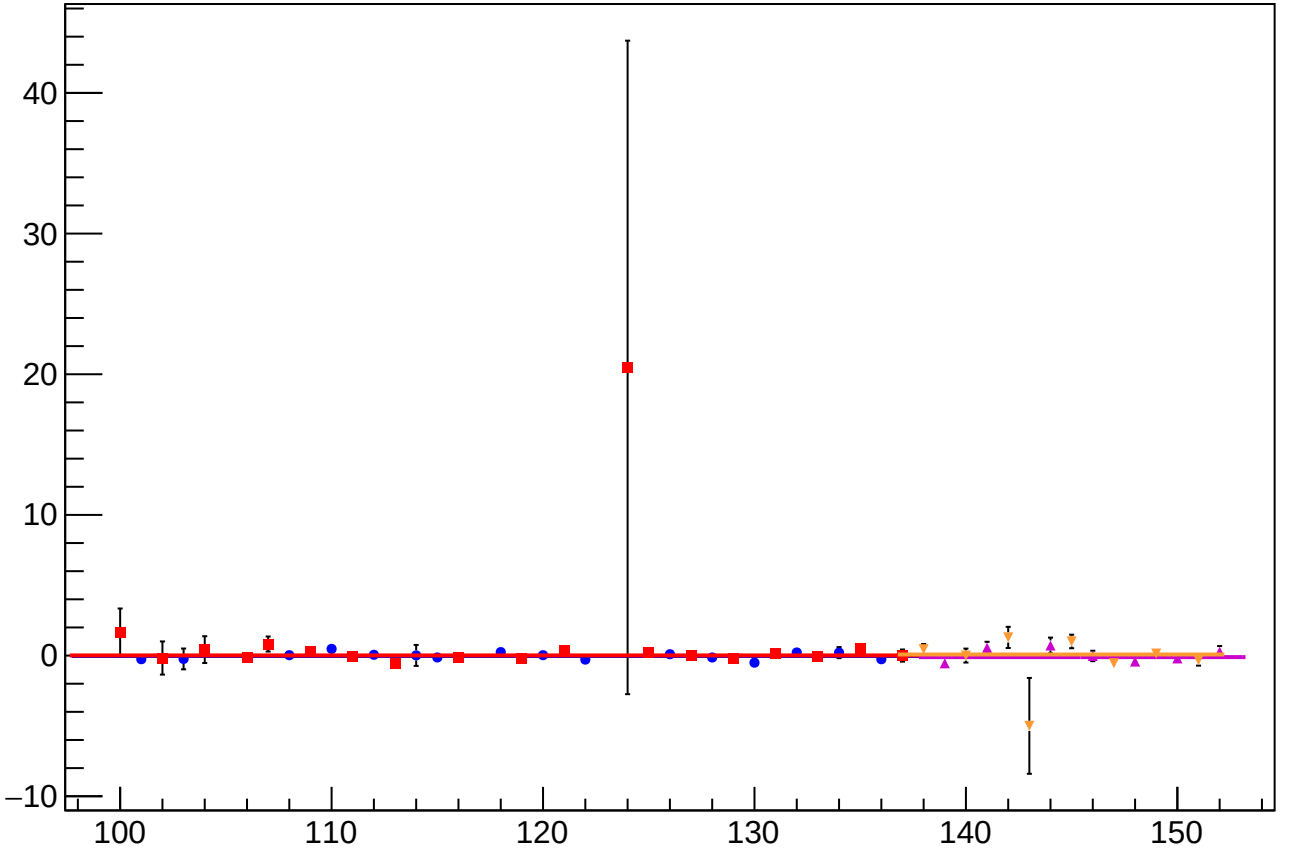
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 171.792+/-0.038 χ^2/NDF:4636128.6/22

Out: 159.249+/-0.038 χ^2/NDF:7340758.0/26

All: 165.498+/-0.027 χ^2/NDF: 12032607.8/49

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.077+/-0.154 χ^2/NDF:14.3/7

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.109+/-0.136 χ^2/NDF:9.2/6

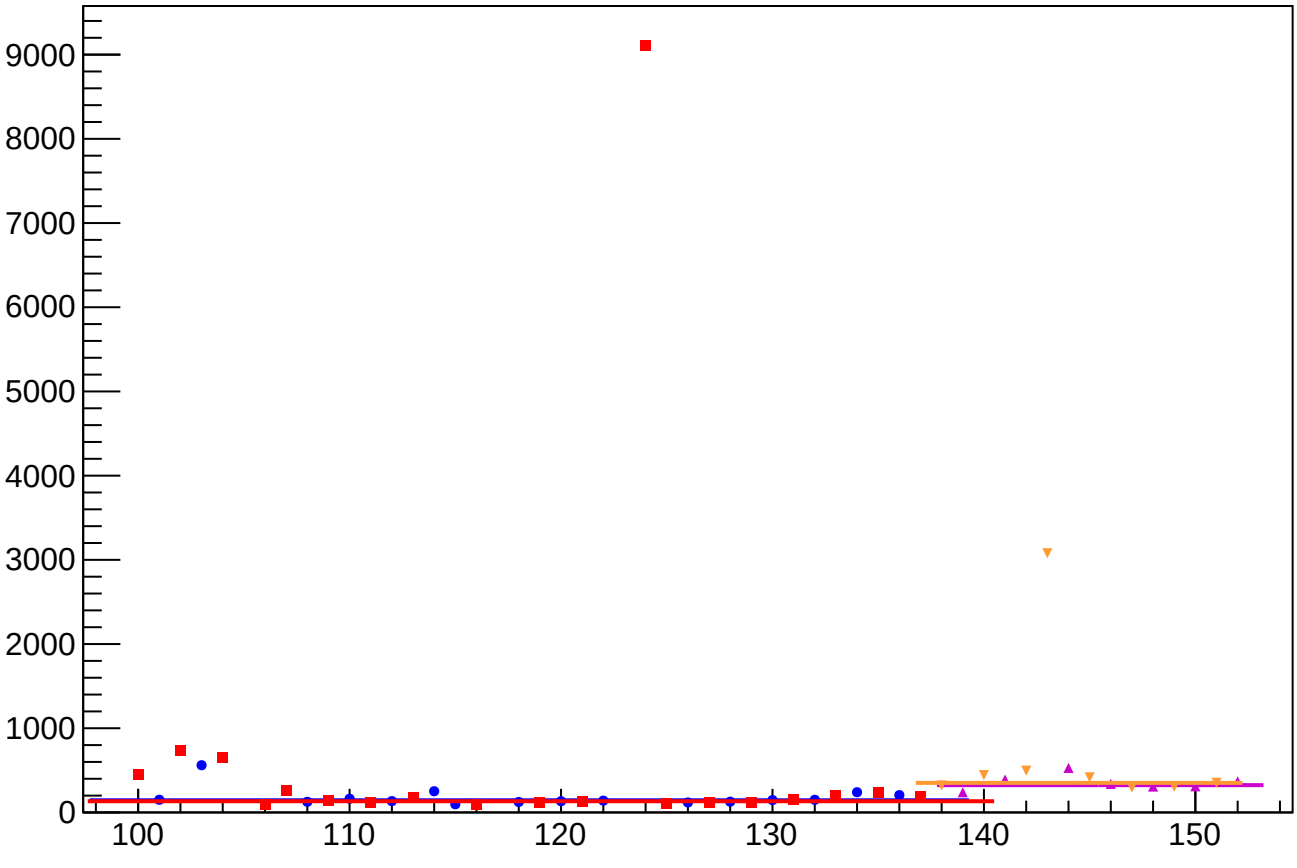
Left: -0.027+/-0.102 χ^2/NDF: 24.3/14

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.041+/-0.053 χ^2/NDF:26.8/22

Out: 0.019+/-0.053 χ^2/NDF:36.3/26

All: -0.011+/-0.038 χ^2/NDF: 63.7/49



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: 324.417+/-0.096 χ^2/NDF:544621.8/6

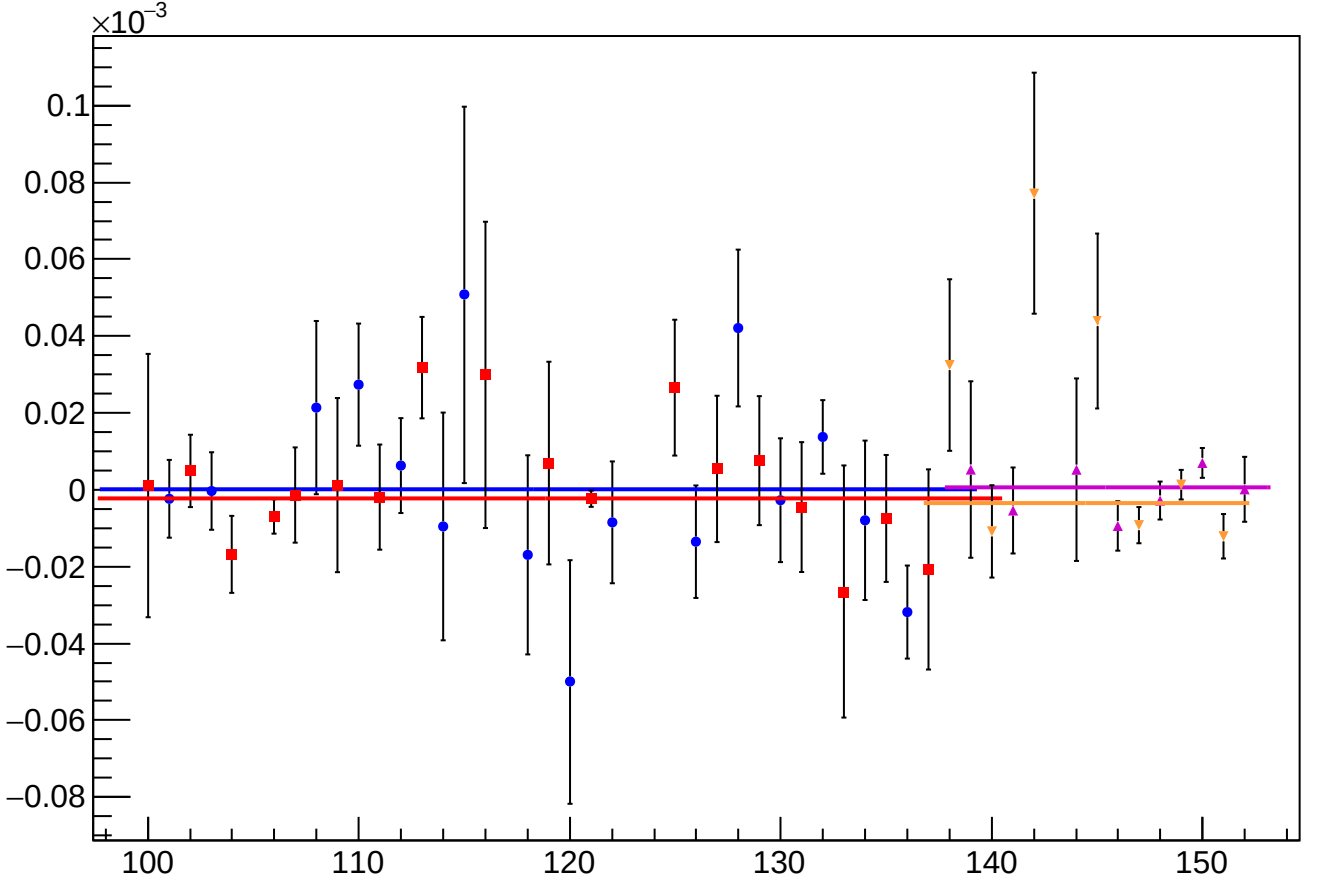
Left: 336.258+/-0.072 χ^2/NDF: 2149025.6/14

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 171.792+/-0.038 χ^2/NDF:4636128.6/22

Out: 159.249+/-0.038 χ^2/NDF:7340758.0/26

All: 165.498+/-0.027 χ^2/NDF: 12032607.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:6.0/6

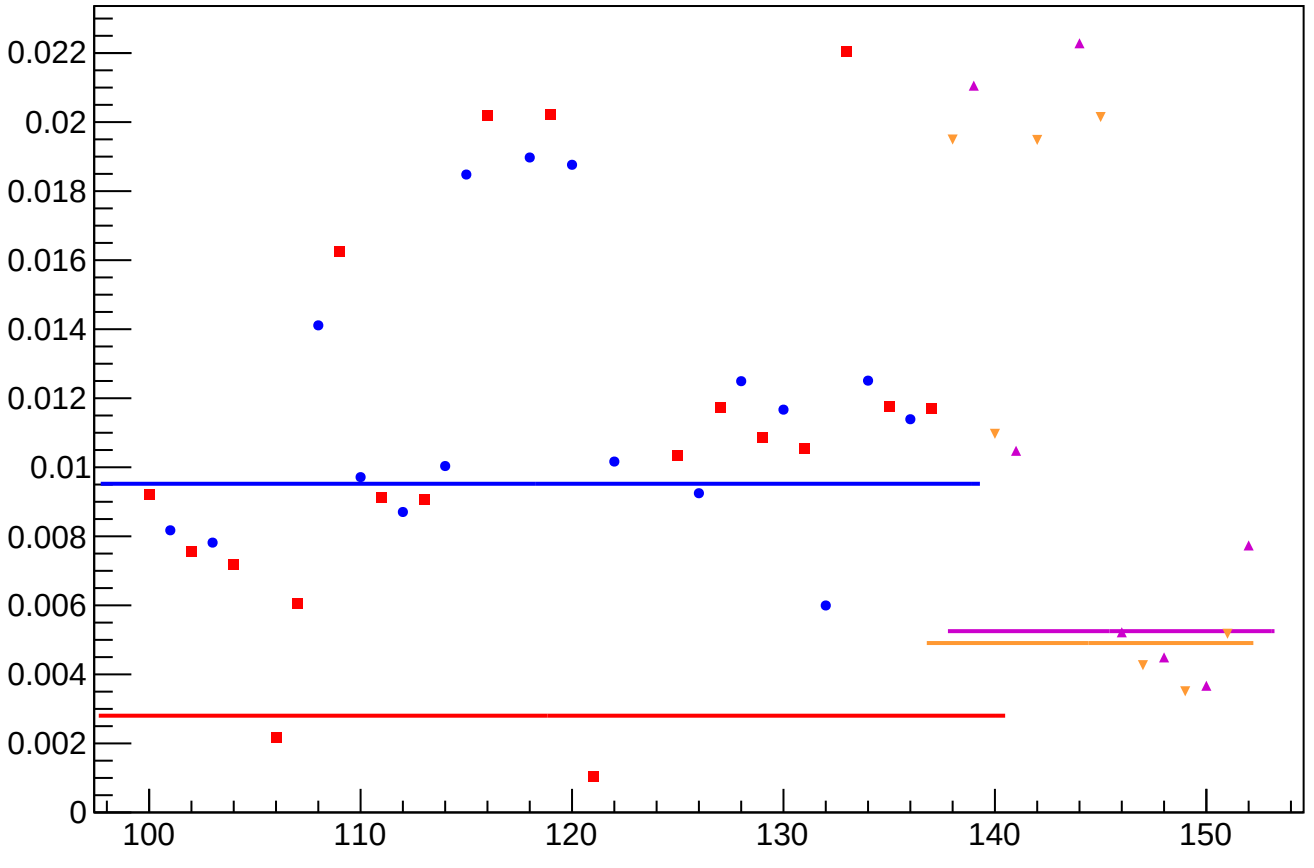
Left: -0.000+/-0.000 χ^2/NDF: 26.4/13

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: 0.000+/-0.000 χ^2/NDF:28.8/22

Out: -0.000+/-0.000 χ^2/NDF:34.9/24

All: -0.000+/-0.000 χ^2/NDF: 65.2/47



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:2975533.1/6

Left: 0.005+/-0.000 χ^2/NDF: 5999313.1/13

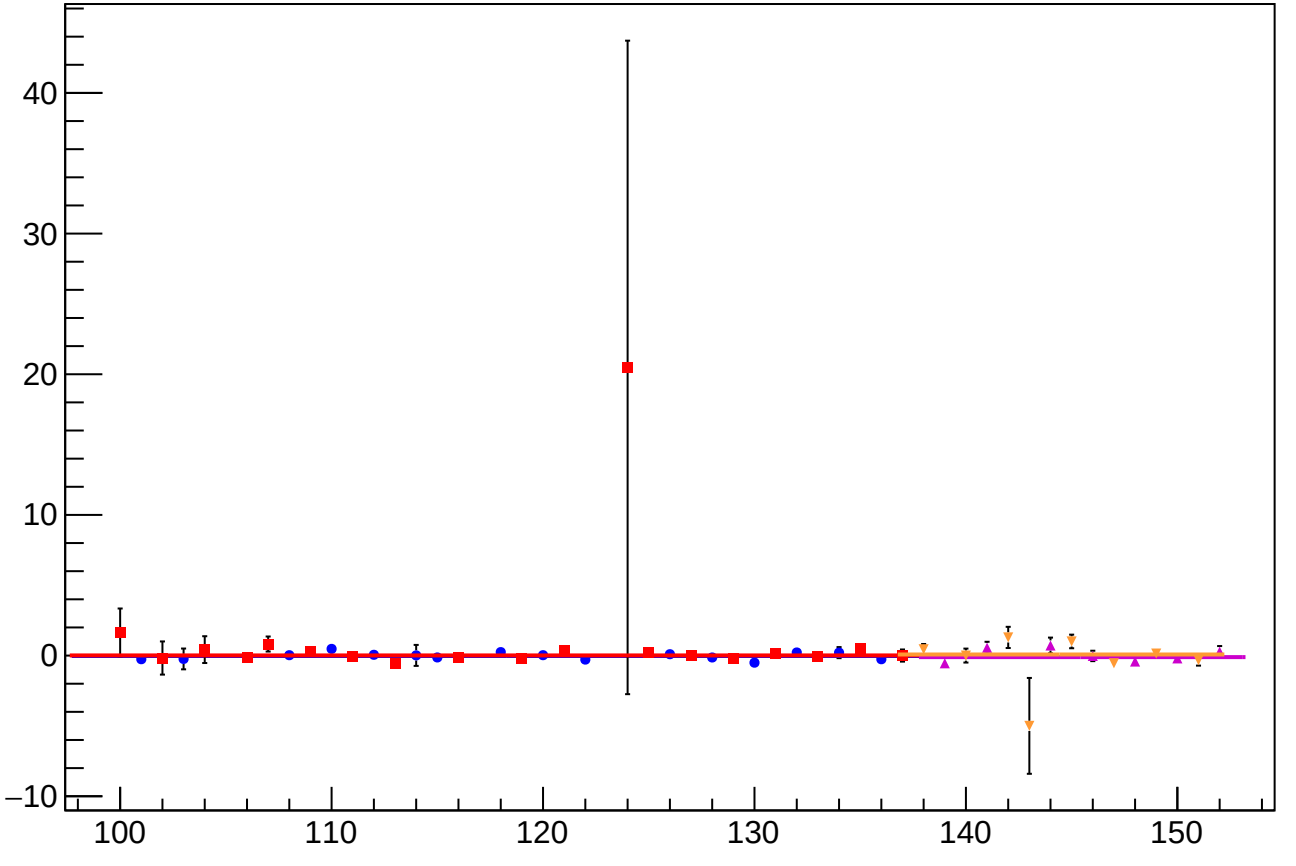
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:5899355.5/22

Out: 0.003+/-0.000 χ^2/NDF:12515881.5/24

All: 0.004+/-0.000 χ^2/NDF: 21454687.6/47

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: -0.109+/-0.136 χ^2/NDF:9.2/6

Left: -0.027+/-0.102 χ^2/NDF: 24.3/14

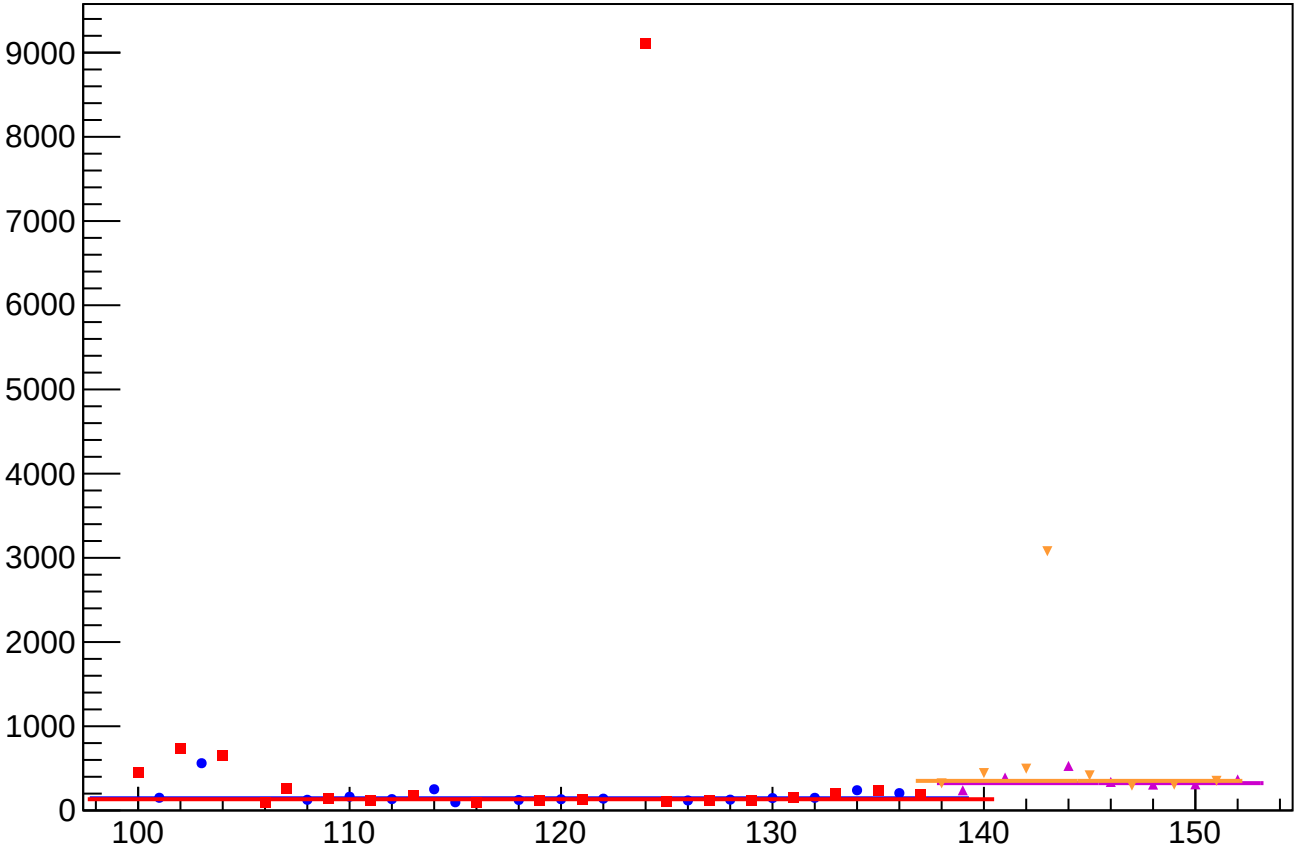
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.041+/-0.053 χ^2/NDF:26.8/22

Out: 0.019+/-0.053 χ^2/NDF:36.3/26

All: -0.011+/-0.038 χ^2/NDF: 63.7/49

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 351.313+/-0.109 χ^2/NDF:1570108.8/7

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.422+/-0.096 χ^2/NDF:544607.2/6

Left: 336.261+/-0.072 χ^2/NDF: 2149026.9/14

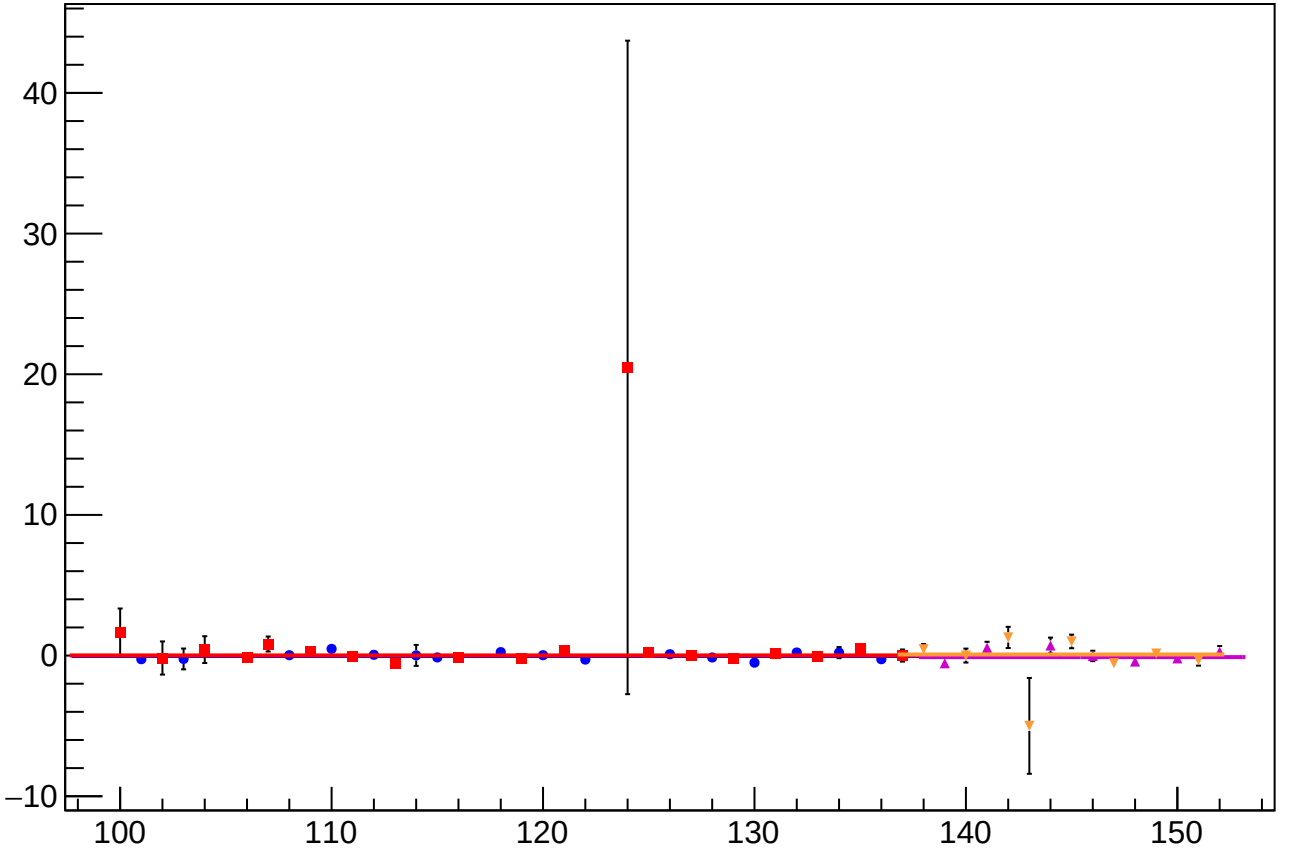
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 171.790+/-0.038 χ^2/NDF:4636272.4/22

Out: 159.249+/-0.038 χ^2/NDF:7340798.7/26

All: 165.497+/-0.027 χ^2/NDF: 12032786.5/49

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: -0.109+/-0.136 χ^2/NDF:9.2/6

Left: -0.027+/-0.102 χ^2/NDF: 24.3/14

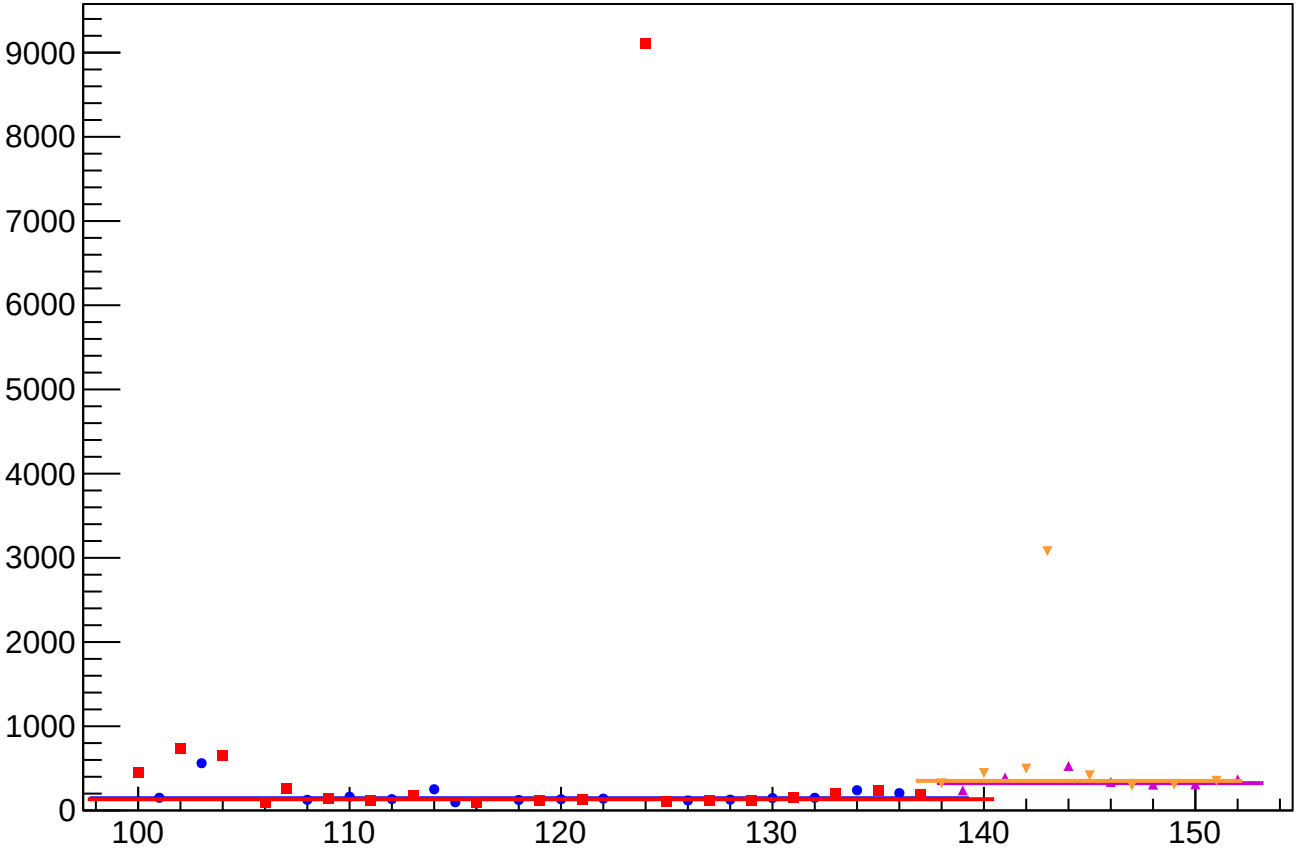
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.041+/-0.053 χ^2/NDF:26.8/22

Out: 0.019+/-0.053 χ^2/NDF:36.3/26

All: -0.011+/-0.038 χ^2/NDF: 63.7/49

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: 324.422+/-0.096 χ^2/NDF:544607.2/6

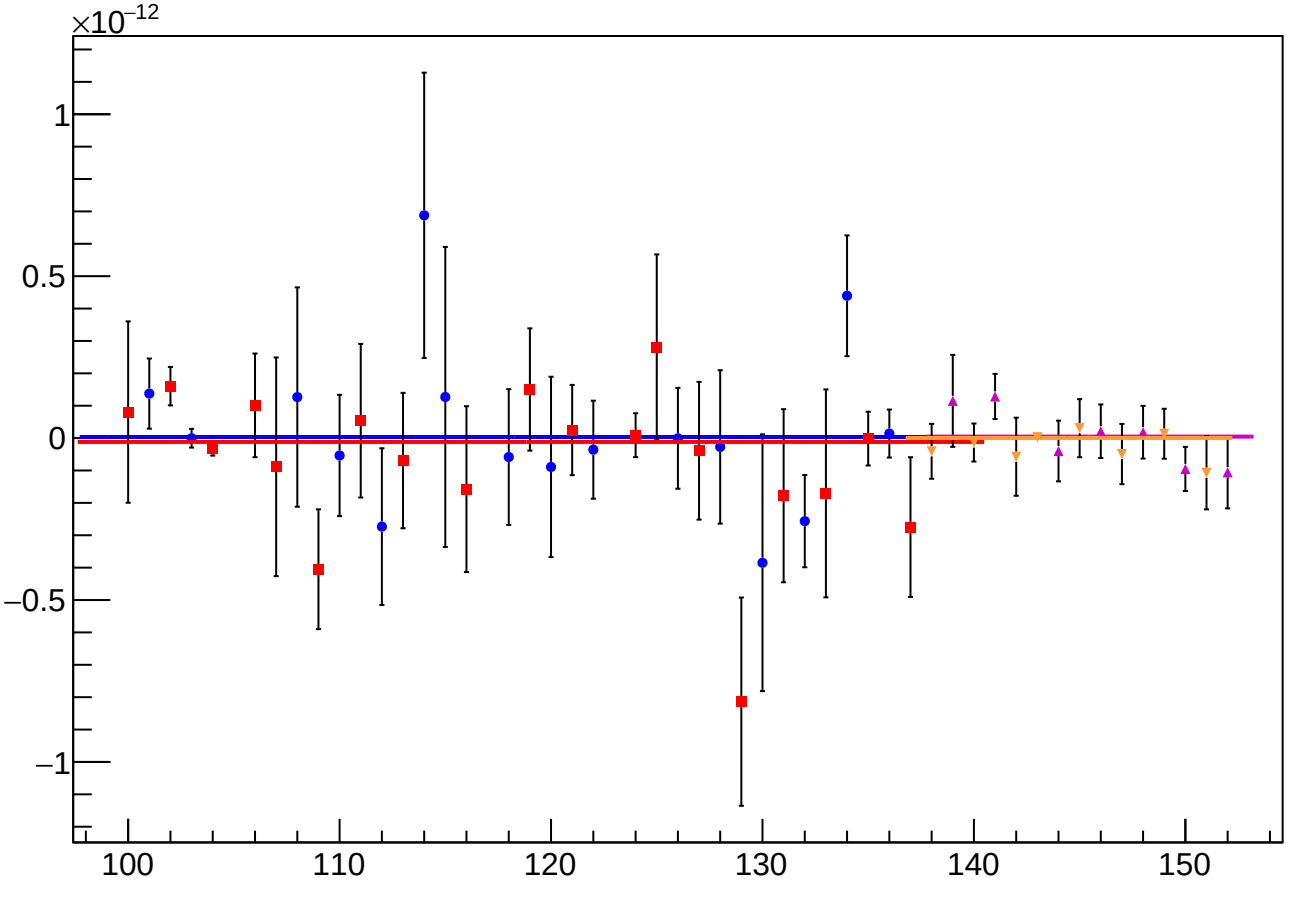
Left: 336.261+/-0.072 χ^2/NDF: 2149026.9/14

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 171.790+/-0.038 χ^2/NDF:4636272.4/22

Out: 159.249+/-0.038 χ^2/NDF:7340798.7/26

All: 165.497+/-0.027 χ^2/NDF: 12032786.5/49



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:7.2/6

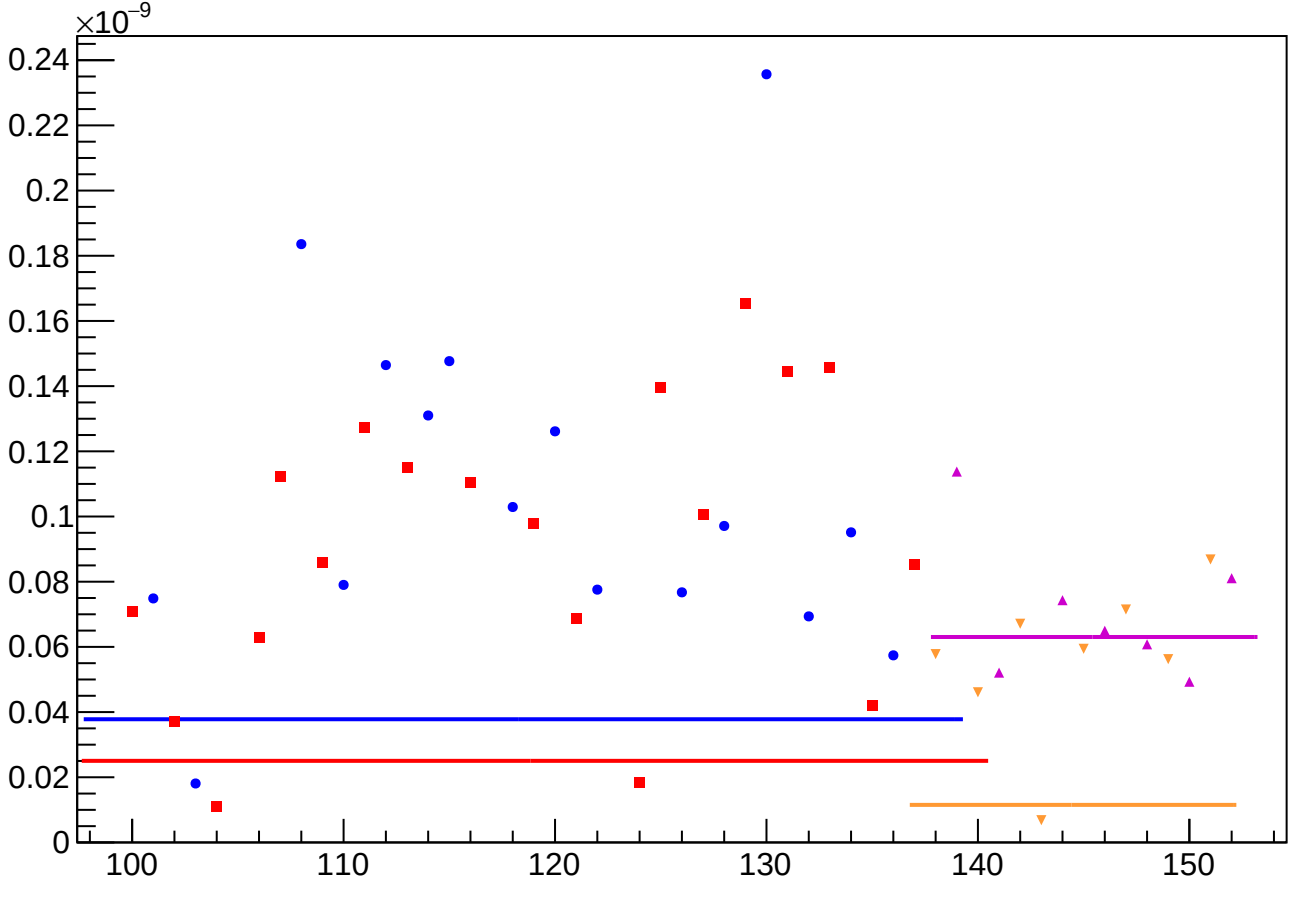
Left: 0.000+/-0.000 χ^2/NDF: 9.1/14

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:22.8/22

Out: -0.000+/-0.000 χ^2/NDF:27.4/26

All: -0.000+/-0.000 χ^2/NDF: 50.2/49



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:469506.3/6

Left: 0.000+/-0.000 χ^2/NDF: 10267515.3/14

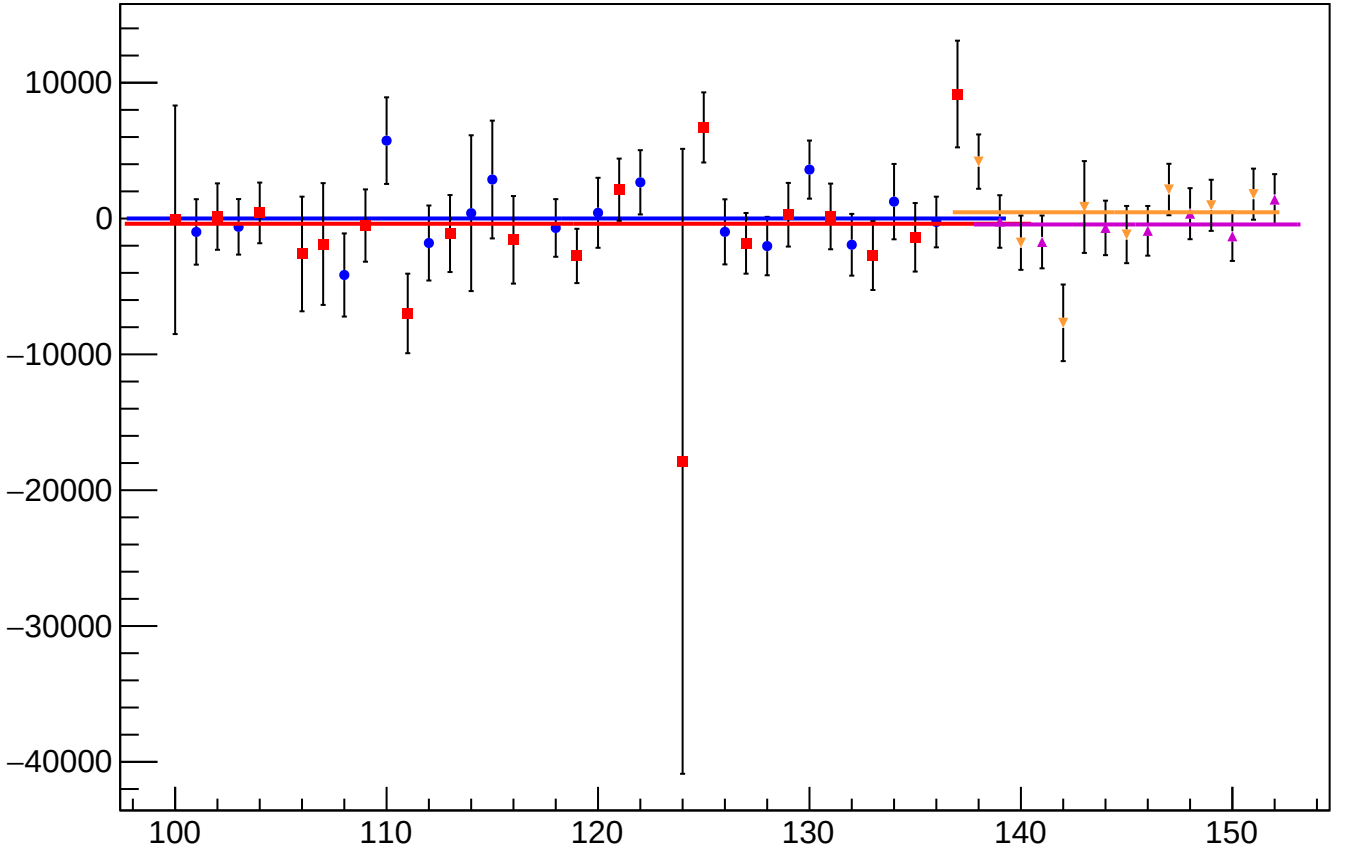
Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:5202321.5/22

Out: 0.000+/-0.000 χ^2/NDF:10648152.5/26

All: 0.000+/-0.000 χ^2/NDF: 20601578.3/49

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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: -436.385+/-715.657 χ^2/NDF:1.9/6

Left: -7.574+/-517.397 χ^2/NDF: 17.7/14

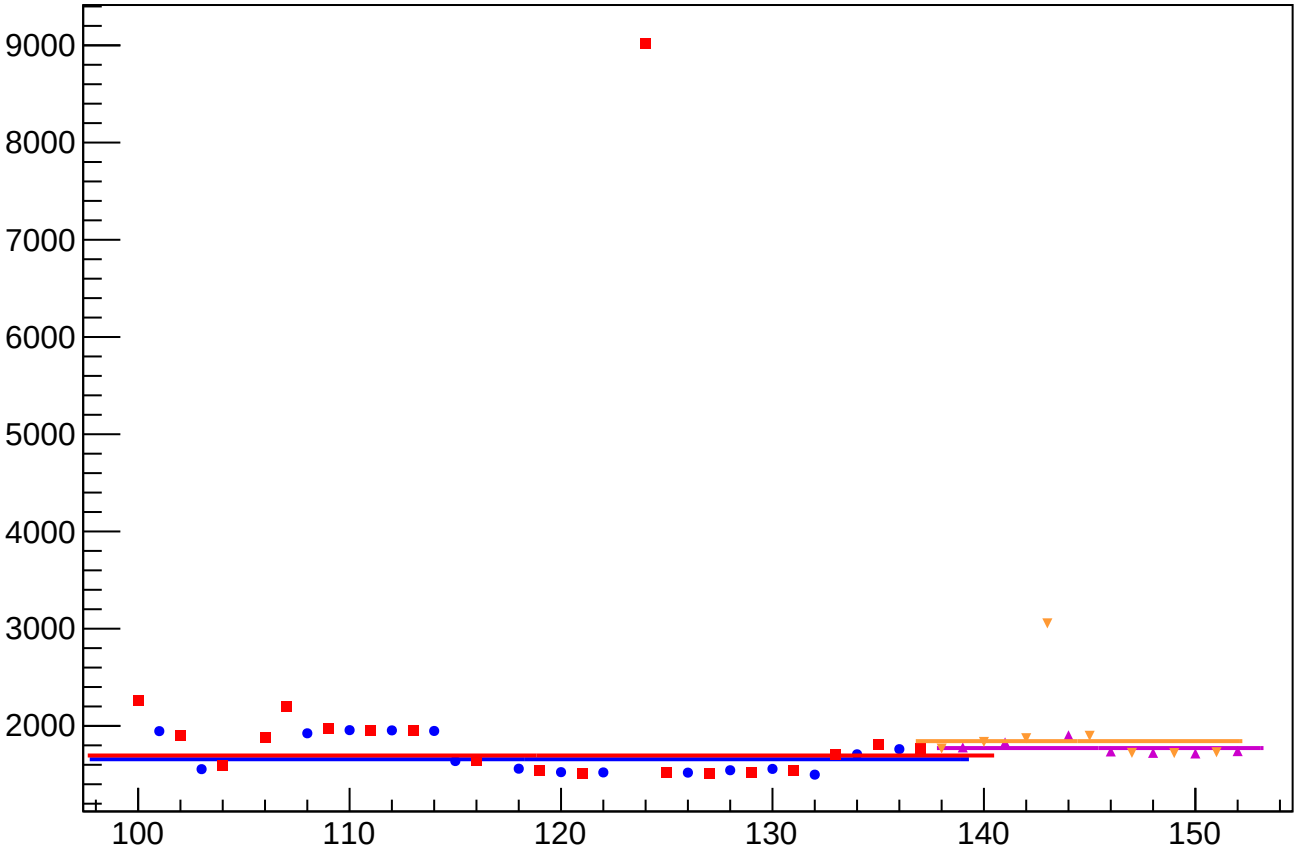
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -184.568+/-468.563 χ^2/NDF:14.6/22

Out: -31.457+/-483.743 χ^2/NDF:39.8/26

All: -110.452+/-336.563 χ^2/NDF: 54.5/49

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: 1772.046+/-0.506 χ^2/NDF:14874.4/6

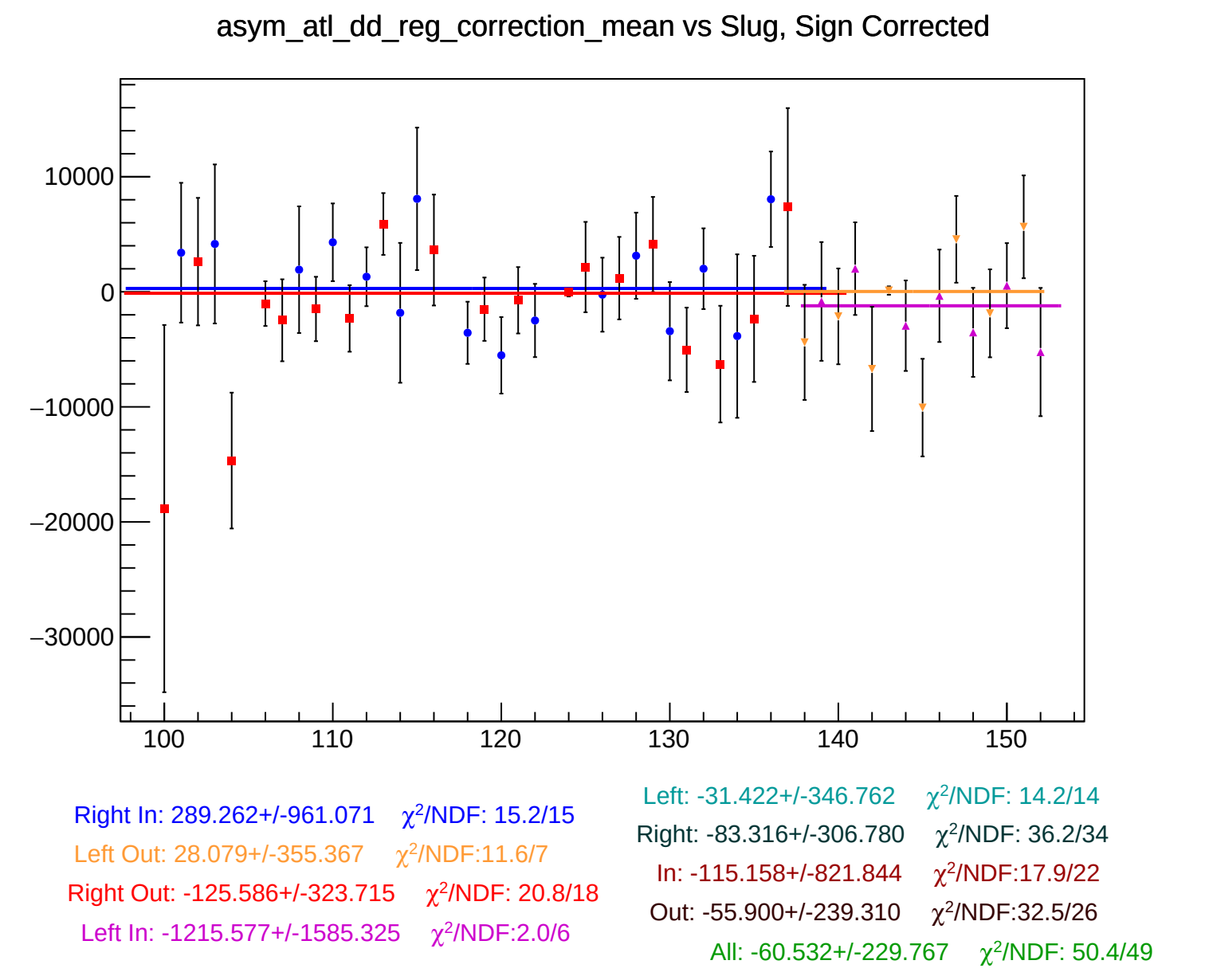
Left: 1806.087+/-0.366 χ^2/NDF: 309644.7/14

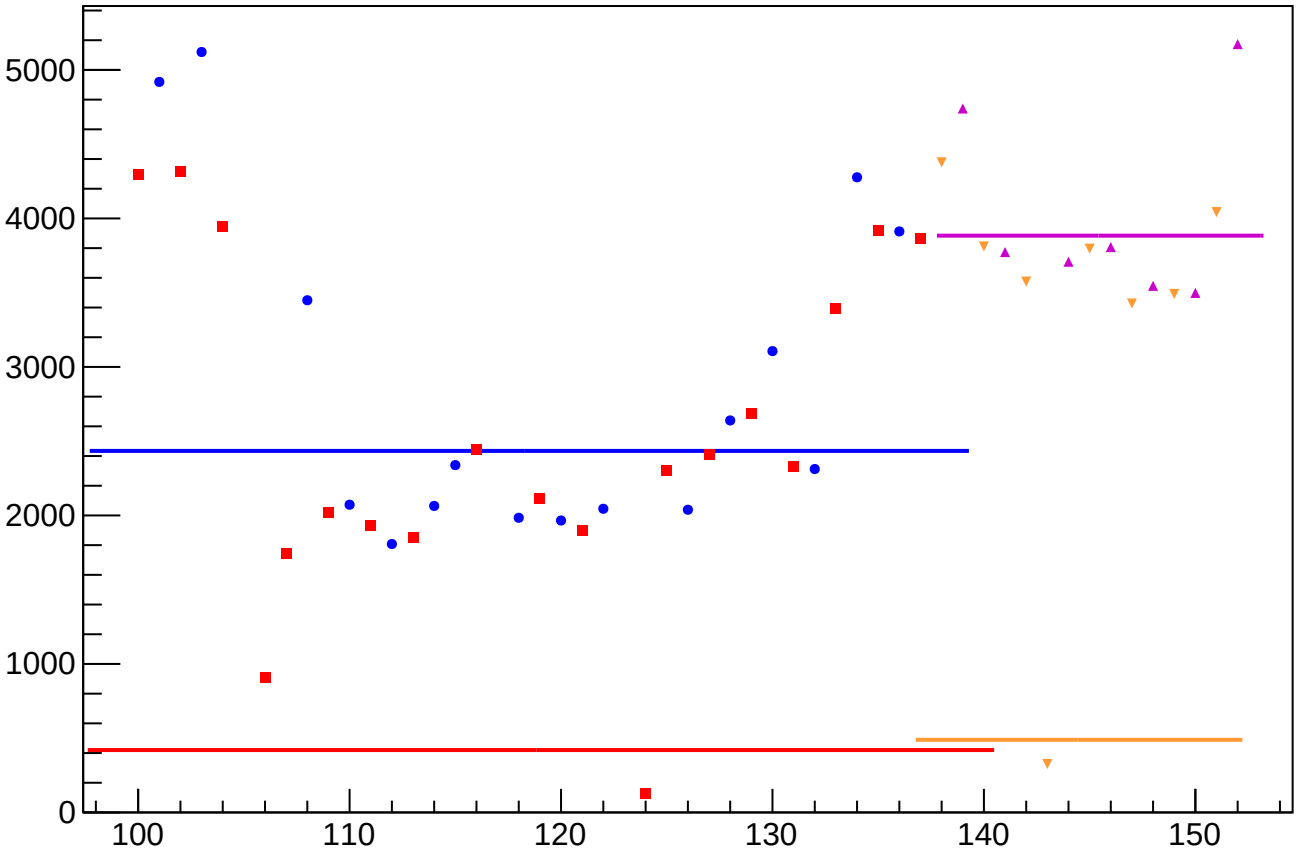
Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1706.385+/-0.331 χ^2/NDF:188325.0/22

Out: 1756.950+/-0.341 χ^2/NDF:717024.9/26

All: 1730.930+/-0.238 χ^2/NDF: 916655.7/49


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: -1215.577+/-1585.325 χ²/NDF:2.0/6
Left: -31.422+/-346.762 χ²/NDF: 14.2/14
Right: -83.316+/-306.780 χ²/NDF: 36.2/34
In: -115.158+/-821.844 χ²/NDF:17.9/22
Out: -55.900+/-239.310 χ²/NDF:32.5/26
All: -60.532+/-229.767 χ²/NDF: 50.4/49



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: 3884.030+/-1.121 χ^2/NDF:205311.8/6

Left: 651.657+/-0.245 χ^2/NDF: 17398807.4/14

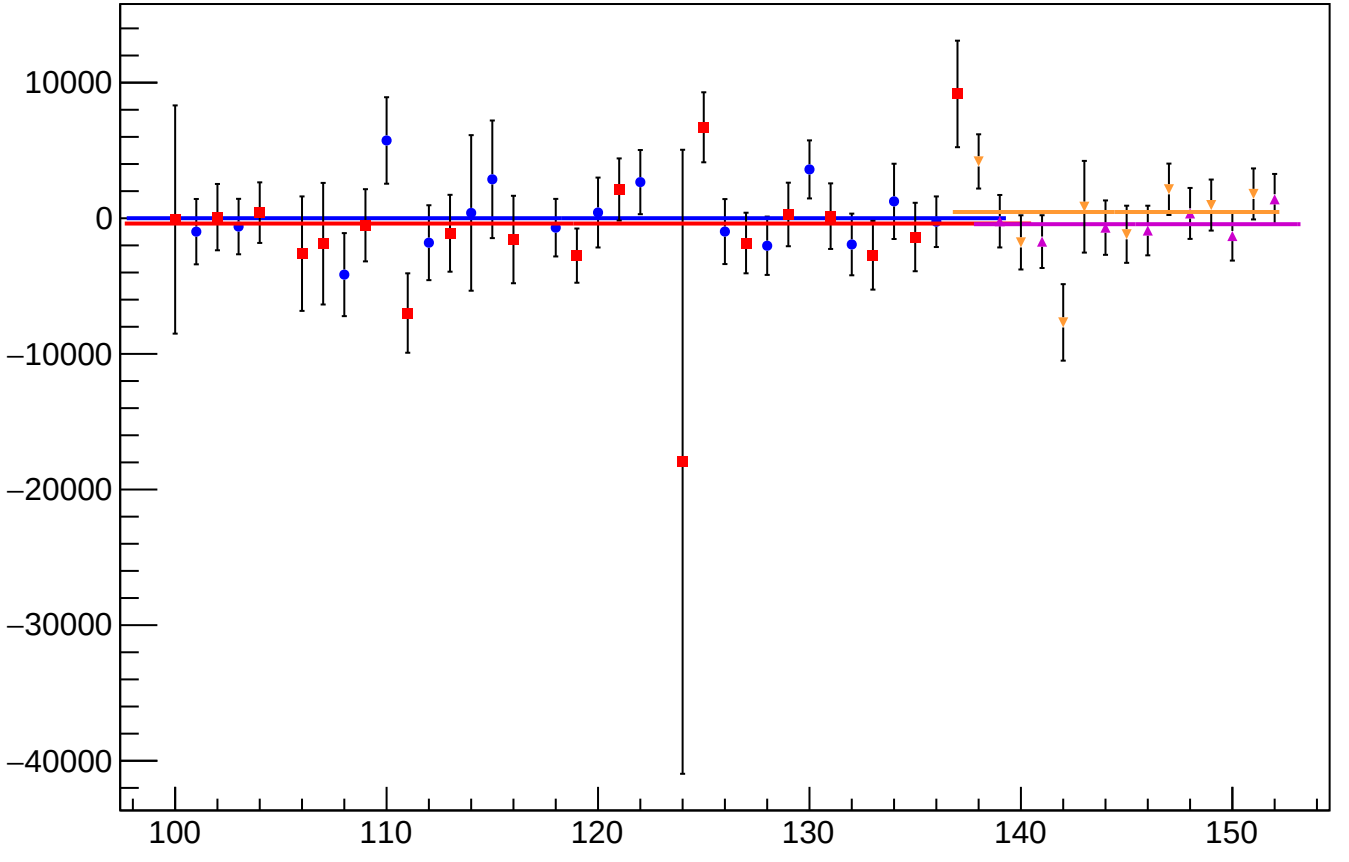
Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 2824.124+/-0.581 χ^2/NDF:2885563.7/22

Out: 451.558+/-0.169 χ^2/NDF:19566328.3/26

All: 637.003+/-0.162 χ^2/NDF: 37817219.8/49

cor_asym_atl_dd_mean vs Slug, Sign Corrected



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: -436.373+/-715.657 χ^2/NDF:1.9/6

Left: -7.647+/-517.397 χ^2/NDF: 17.7/14

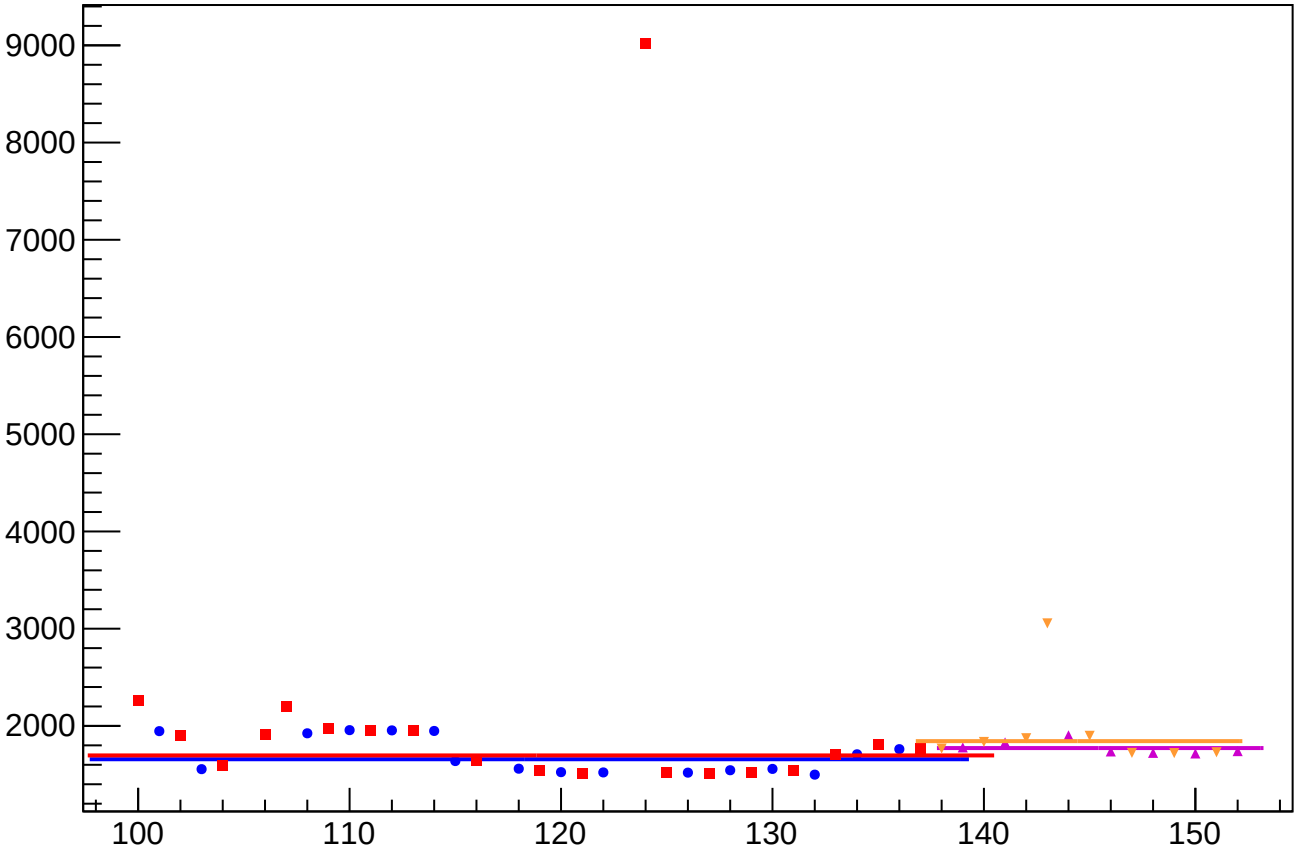
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -184.608+/-468.563 χ^2/NDF:14.6/22

Out: -34.026+/-483.746 χ^2/NDF:39.8/26

All: -111.717+/-336.564 χ^2/NDF: 54.5/49

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: 1772.046+/-0.506 χ^2/NDF:14874.4/6

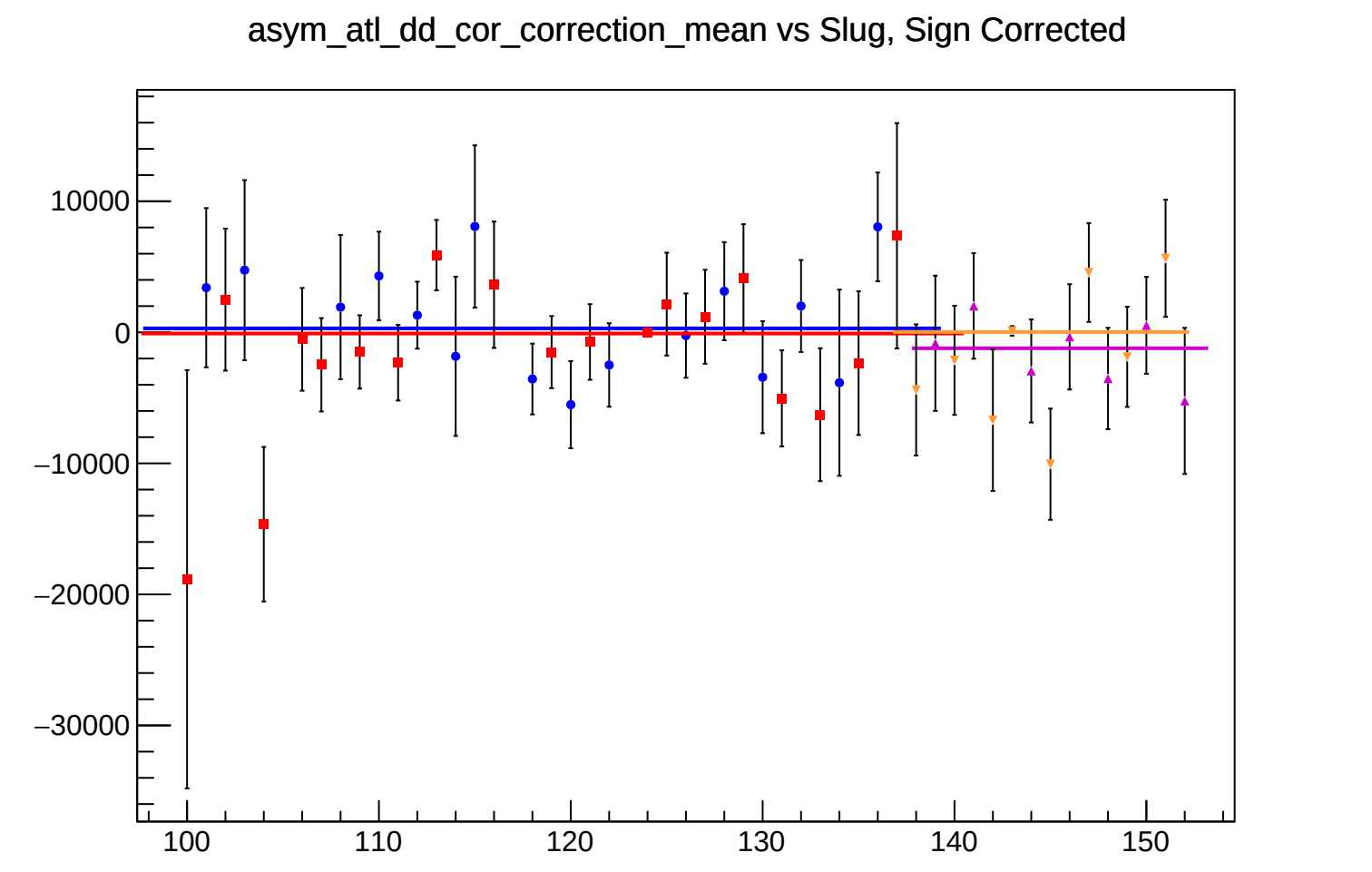
Left: 1806.087+/-0.366 χ^2/NDF: 309644.7/14

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1706.385+/-0.331 χ^2/NDF:188325.1/22

Out: 1757.449+/-0.341 χ^2/NDF:718277.5/26

All: 1731.165+/-0.238 χ^2/NDF: 918129.1/49



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 28.534+/-355.340 χ^2/NDF:11.6/7

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1215.591+/-1585.324 χ^2/NDF:2.0/6

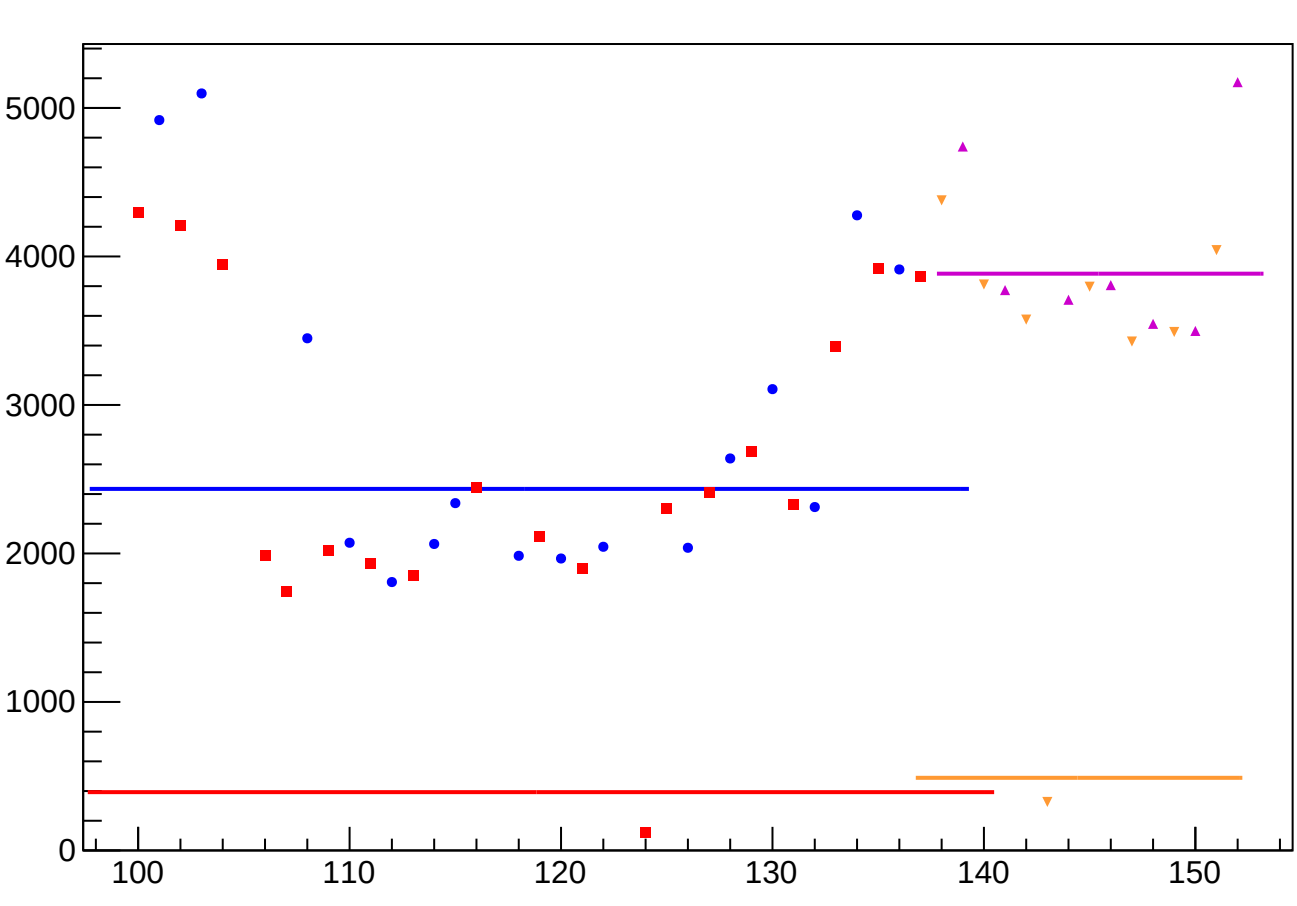
Left: -30.981+/-346.737 χ^2/NDF: 14.2/14

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -105.891+/-821.770 χ^2/NDF:18.0/22

Out: -38.953+/-236.033 χ^2/NDF:32.3/26

All: -44.055+/-226.861 χ^2/NDF: 50.3/49



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: 3884.027+/-1.121 χ^2/NDF:205307.6/6

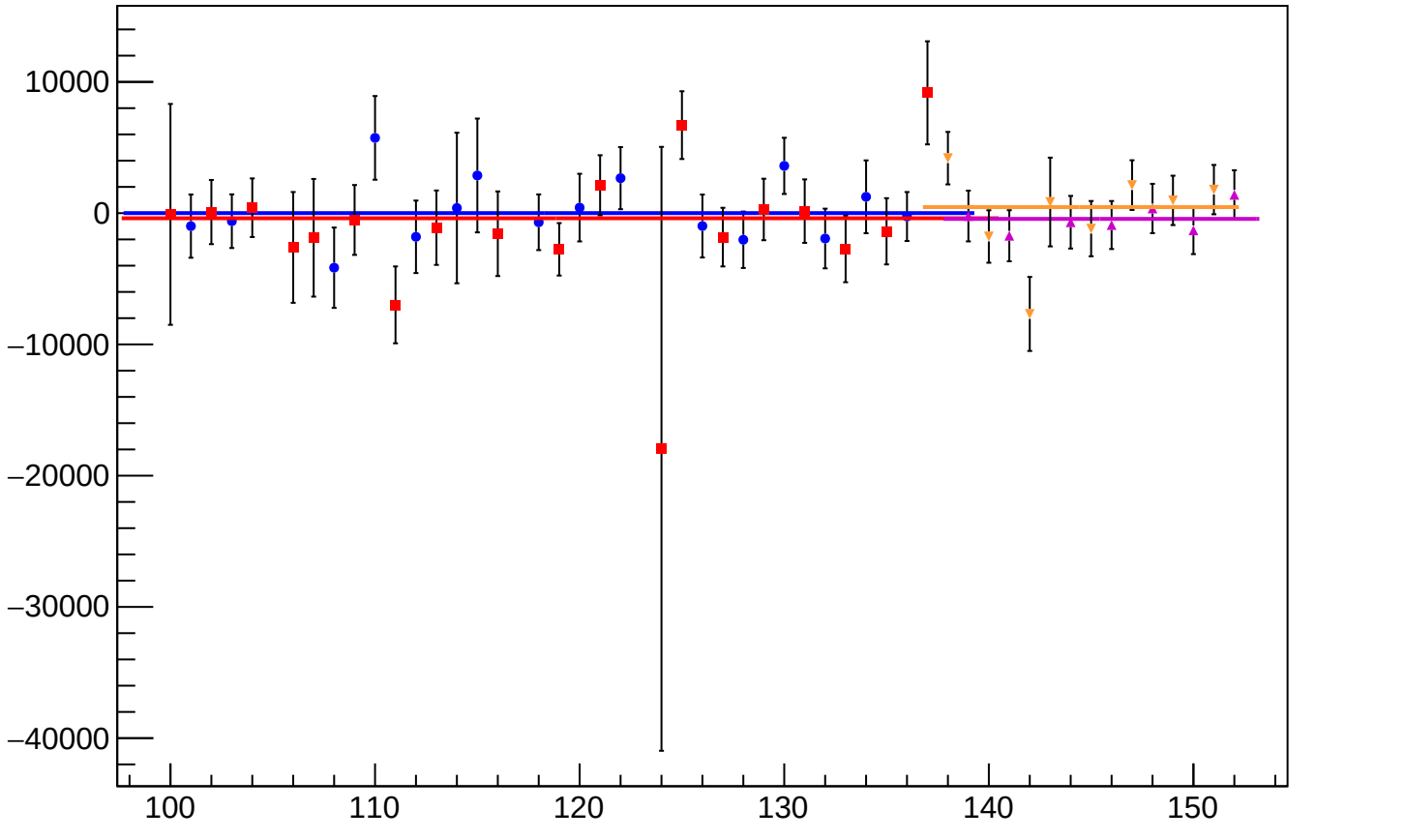
Left: 651.584+/-0.245 χ^2/NDF: 17399335.7/14

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2824.174+/-0.581 χ^2/NDF:2883665.5/22

Out: 435.252+/-0.167 χ^2/NDF:19951873.2/26

All: 617.314+/-0.160 χ^2/NDF: 38449249.4/49



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: -436.373+/-715.657 χ^2/NDF:1.9/6

Left: -7.647+/-517.397 χ^2/NDF: 17.7/14

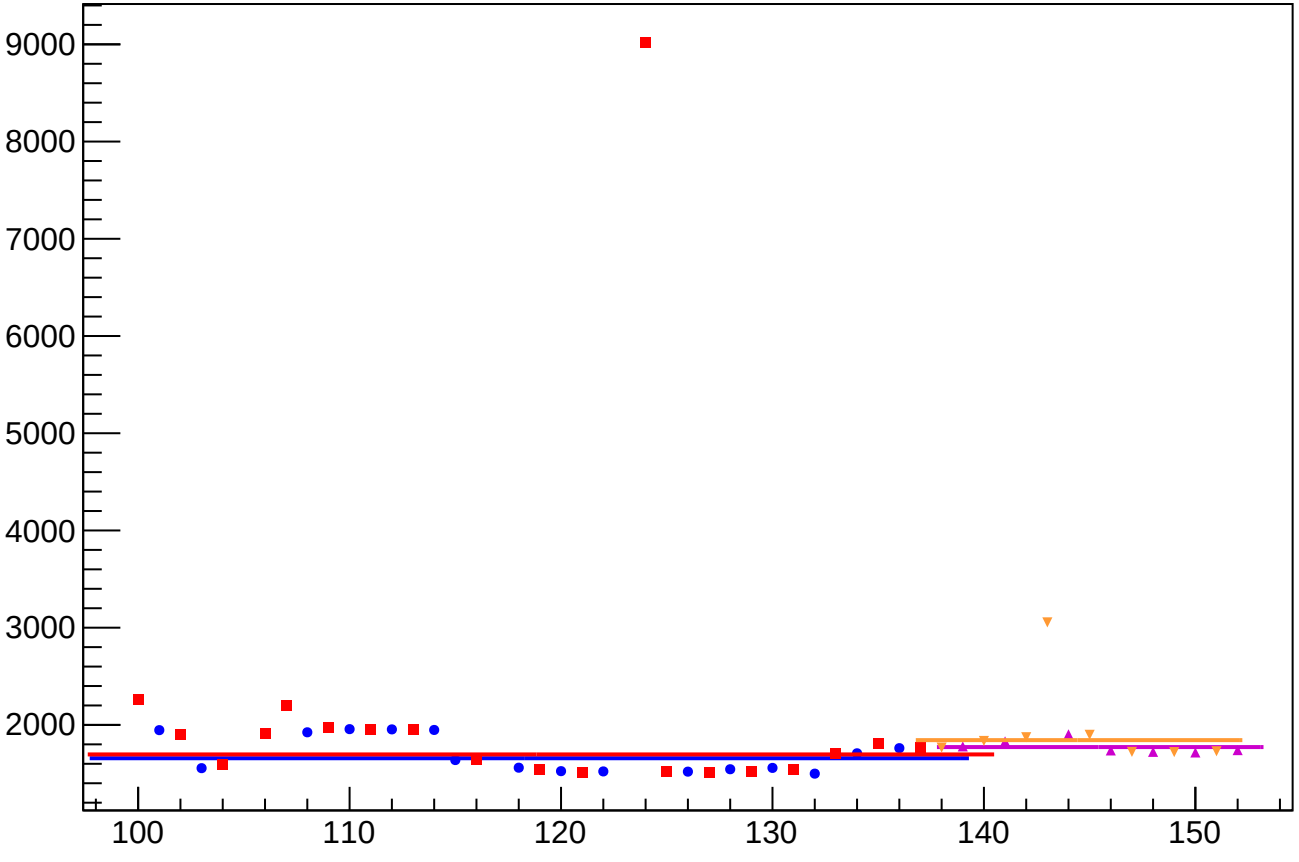
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -184.608+/-468.563 χ^2/NDF:14.6/22

Out: -34.026+/-483.746 χ^2/NDF:39.8/26

All: -111.717+/-336.564 χ^2/NDF: 54.5/49

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: 1772.046+/-0.506 χ^2/NDF:14874.4/6

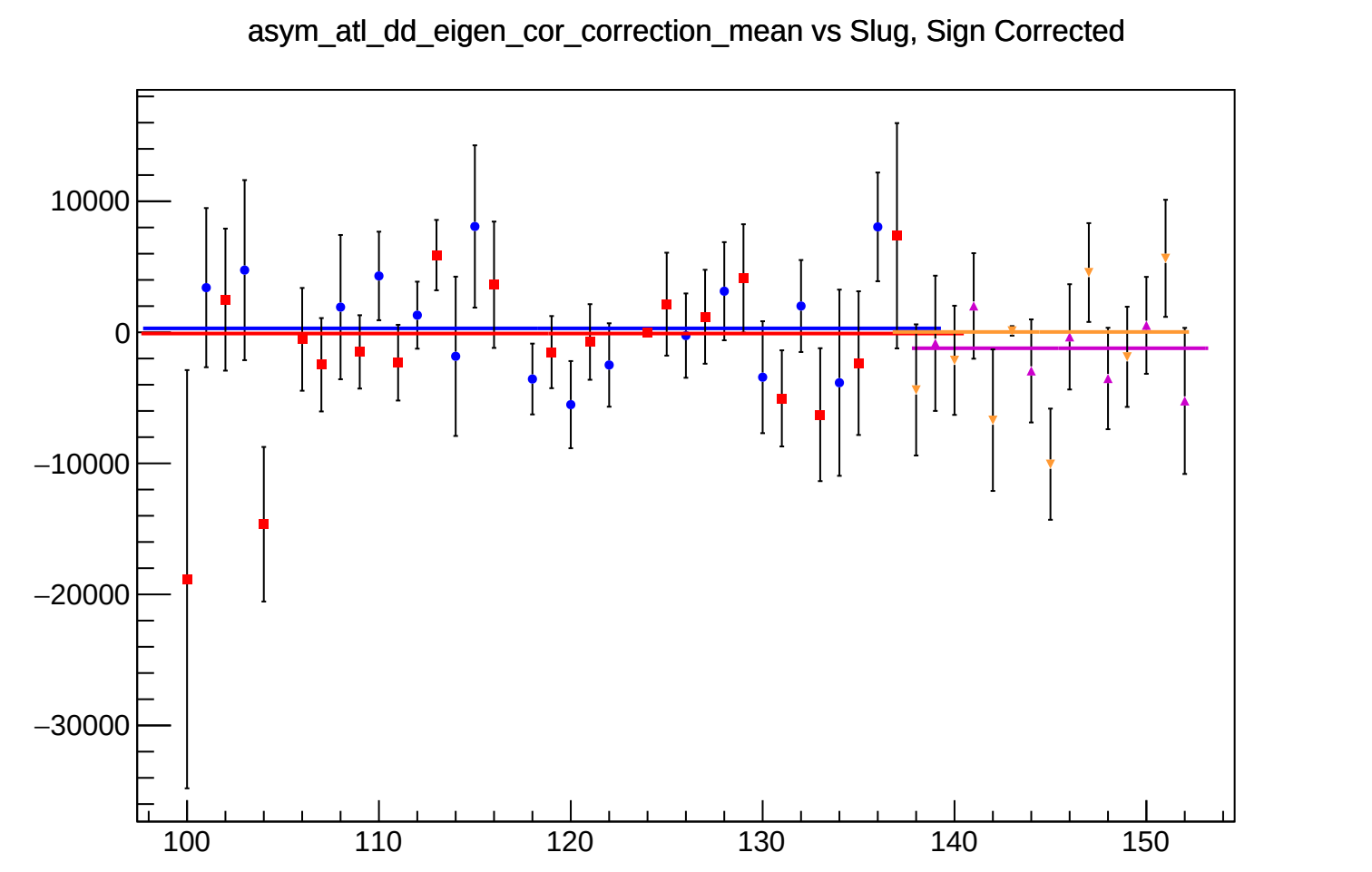
Left: 1806.087+/-0.366 χ^2/NDF: 309644.7/14

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1706.385+/-0.331 χ^2/NDF:188325.1/22

Out: 1757.449+/-0.341 χ^2/NDF:718277.5/26

All: 1731.165+/-0.238 χ^2/NDF: 918129.1/49



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 28.534+/-355.340 χ^2/NDF:11.6/7

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1215.591+/-1585.324 χ^2/NDF:2.0/6

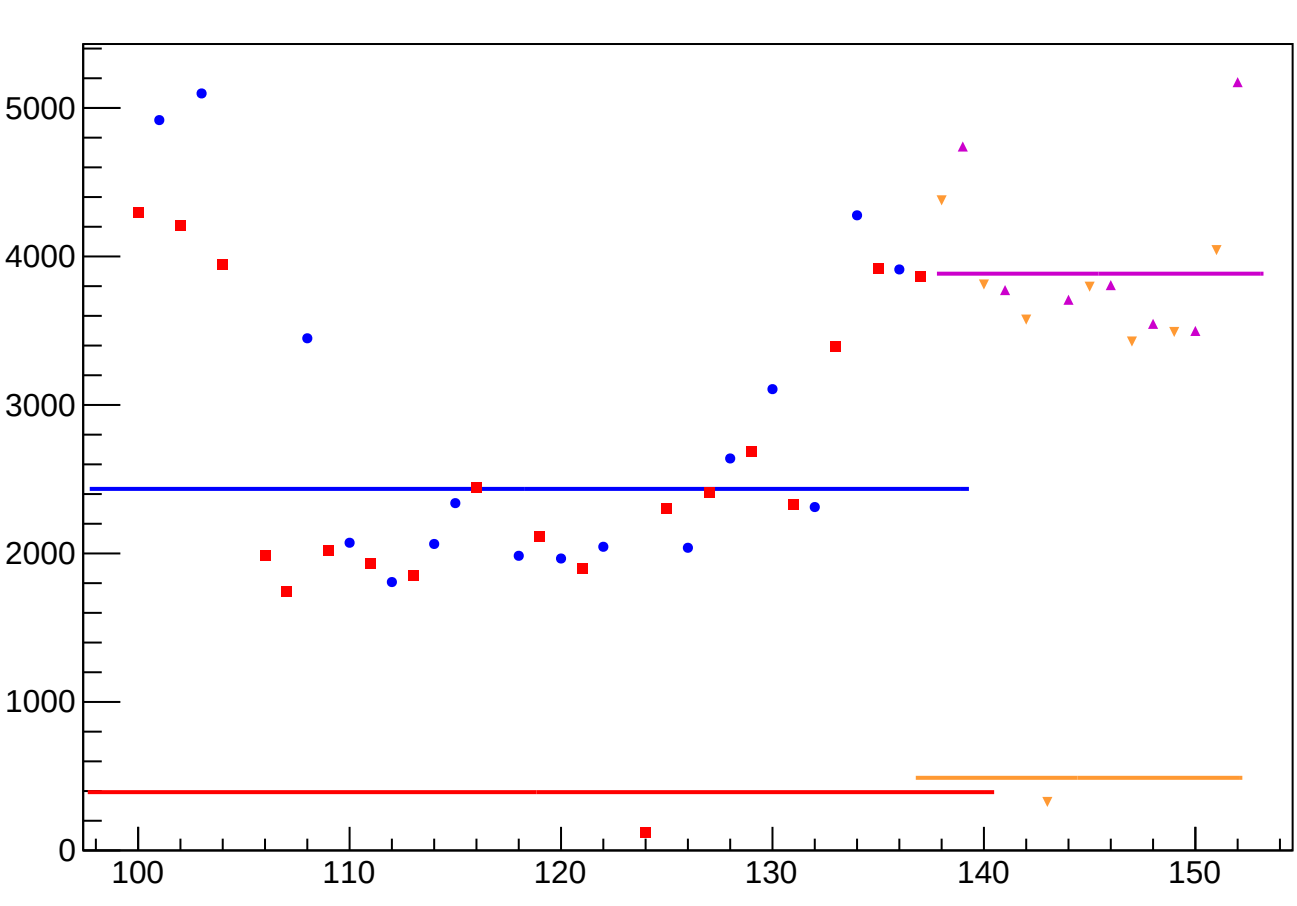
Left: -30.981+/-346.737 χ^2/NDF: 14.2/14

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -105.891+/-821.770 χ^2/NDF:18.0/22

Out: -38.953+/-236.033 χ^2/NDF:32.3/26

All: -44.055+/-226.861 χ^2/NDF: 50.3/49



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: 3884.027+/-1.121 χ^2/NDF:205307.6/6

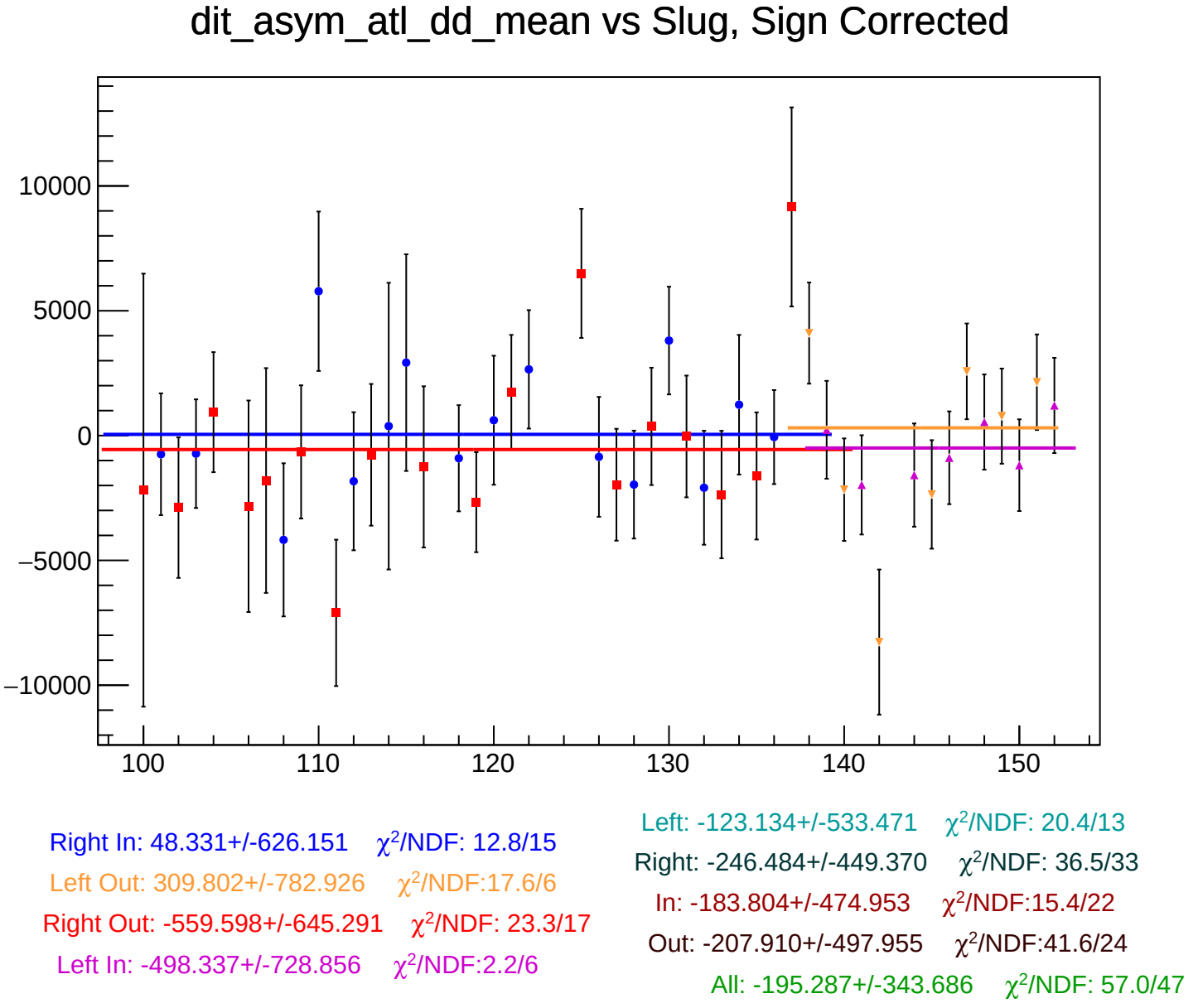
Left: 651.584+/-0.245 χ^2/NDF: 17399335.7/14

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

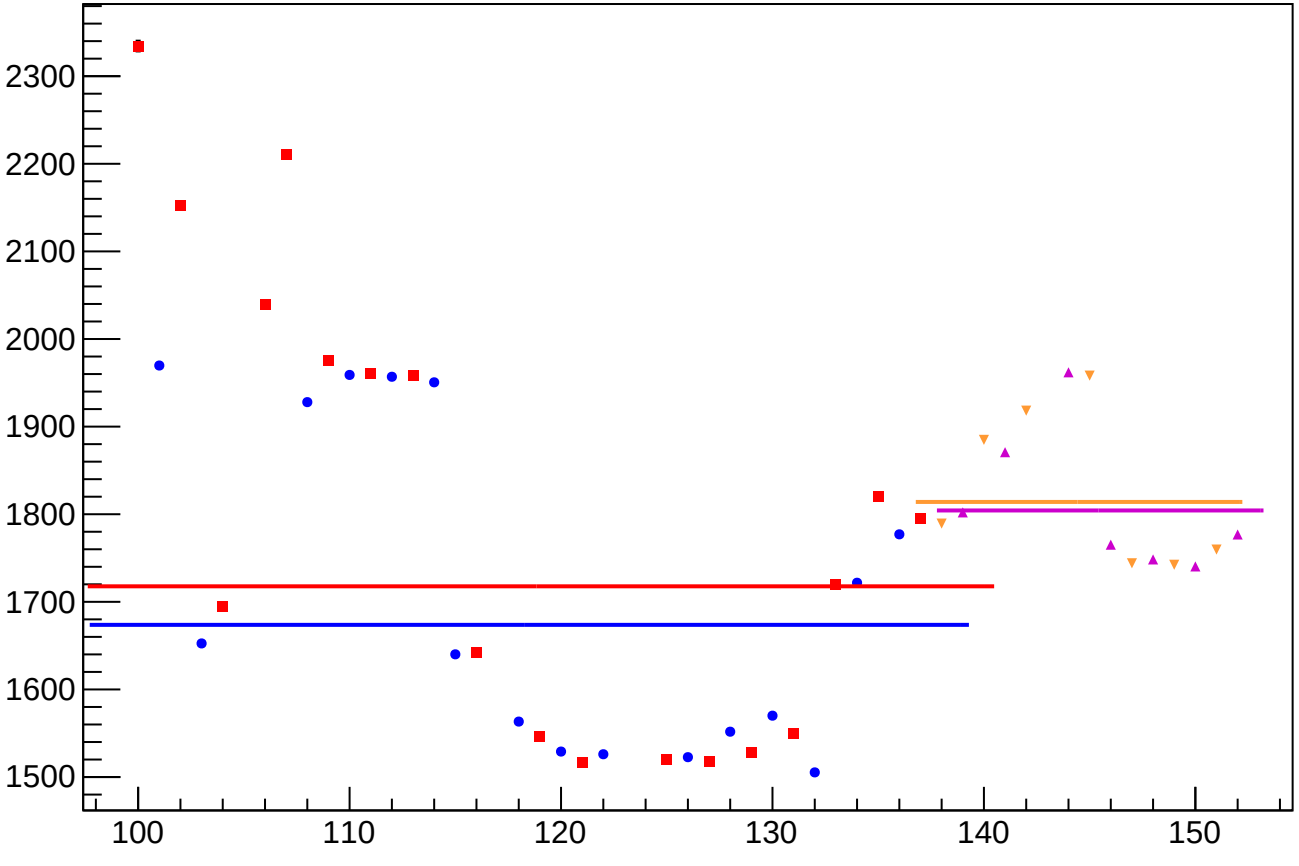
In: 2824.174+/-0.581 χ^2/NDF:2883665.5/22

Out: 435.252+/-0.167 χ^2/NDF:19951873.2/26

All: 617.314+/-0.160 χ^2/NDF: 38449249.4/49


dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 48.331+/-626.151 χ²/NDF: 12.8/15
Left Out: 309.802+/-782.926 χ²/NDF:17.6/6
Right Out: -559.598+/-645.291 χ²/NDF: 23.3/17
Left In: -498.337+/-728.856 χ²/NDF:2.2/6
Left: -123.134+/-533.471 χ²/NDF: 20.4/13
Right: -246.484+/-449.370 χ²/NDF: 36.5/33
In: -183.804+/-474.953 χ²/NDF:15.4/22
Out: -207.910+/-497.955 χ²/NDF:41.6/24
All: -195.287+/-343.686 χ²/NDF: 57.0/47

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: 1804.299+/-0.515 χ^2/NDF:19304.0/6

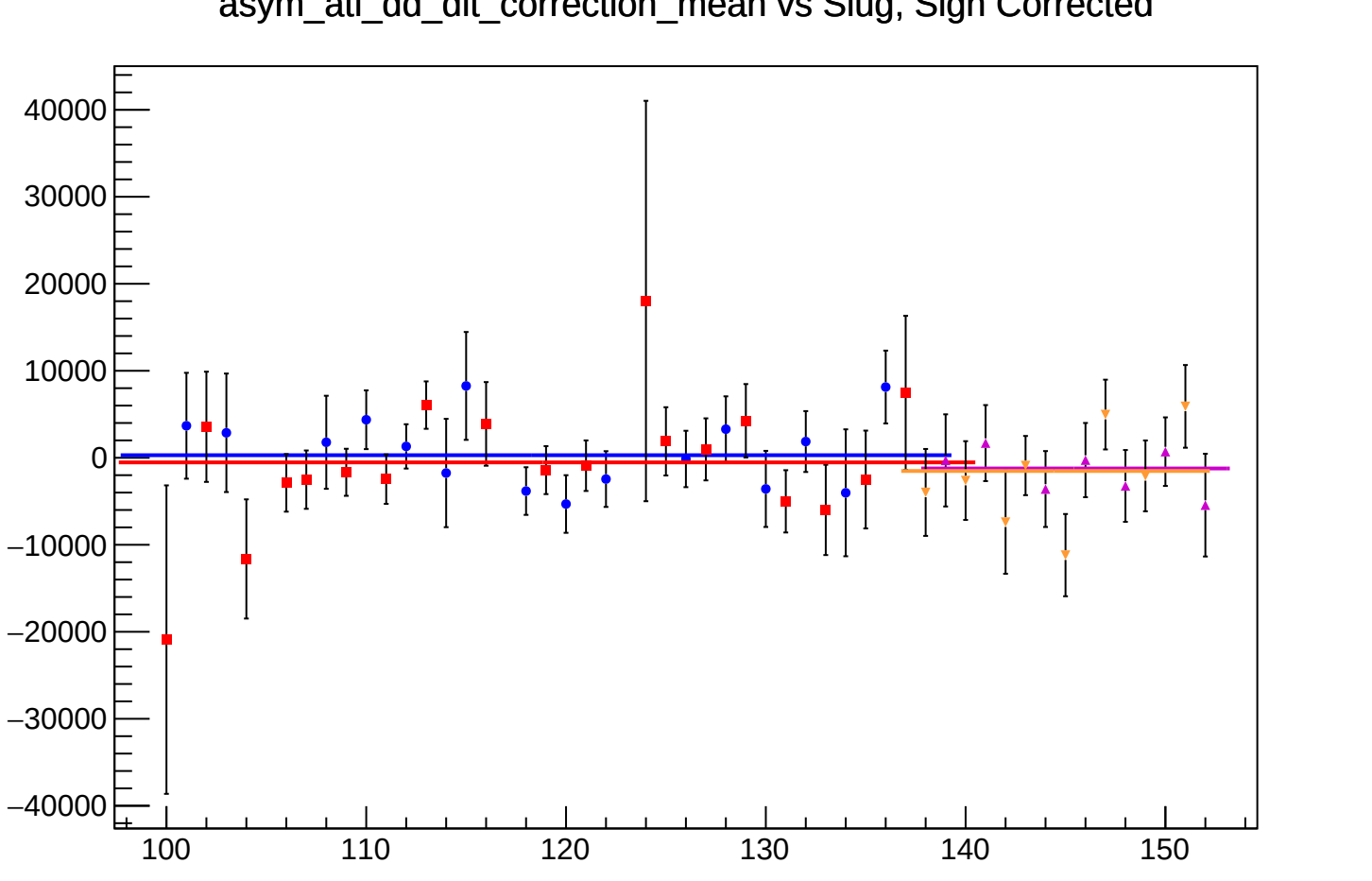
Left: 1808.817+/-0.377 χ^2/NDF: 40632.2/13

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1729.174+/-0.336 χ^2/NDF:197107.3/22

Out: 1756.568+/-0.352 χ^2/NDF:266863.0/24

All: 1742.242+/-0.243 χ^2/NDF: 467144.5/47



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: -1227.077+/-1696.631 χ^2/NDF:1.8/6

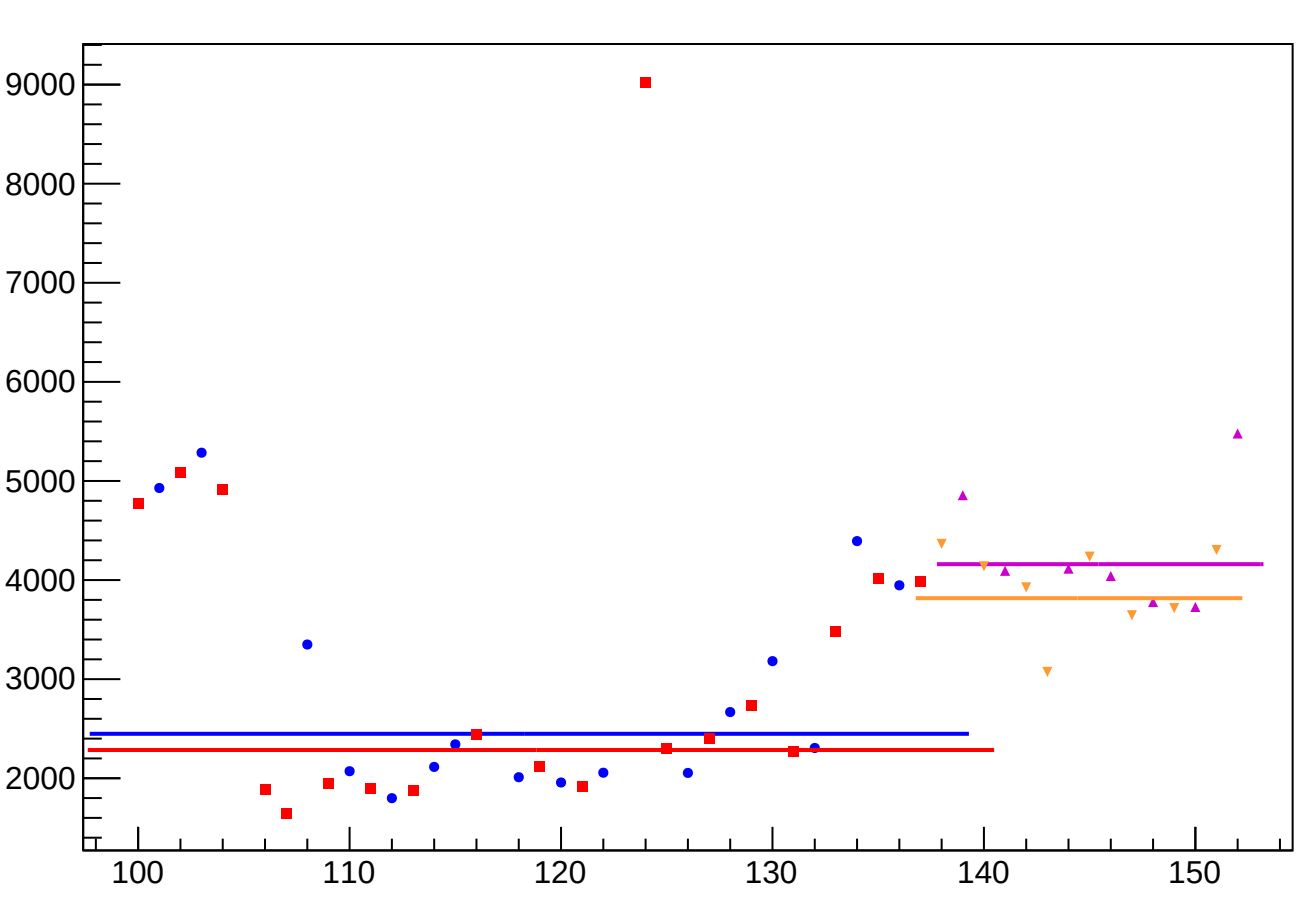
Left: -1385.882+/-1144.980 χ^2/NDF: 12.4/14

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: -75.707+/-838.600 χ^2/NDF:17.7/22

Out: -773.037+/-768.063 χ^2/NDF:29.7/26

All: -454.928+/-566.401 χ^2/NDF: 47.7/49



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: 4160.316+/-1.200 χ^2/NDF:177788.2/6

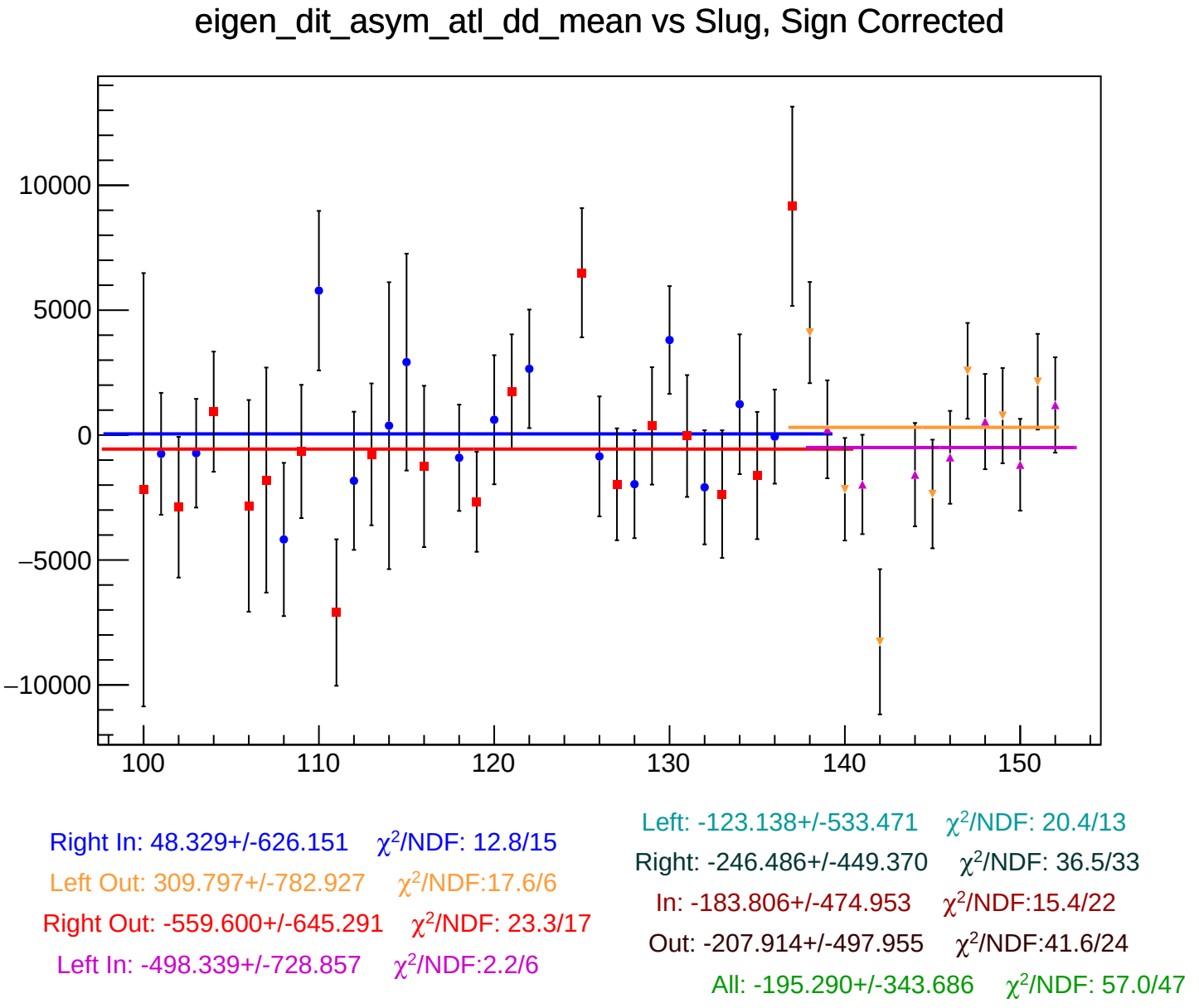
Left: 3973.482+/-0.810 χ^2/NDF: 394466.3/14

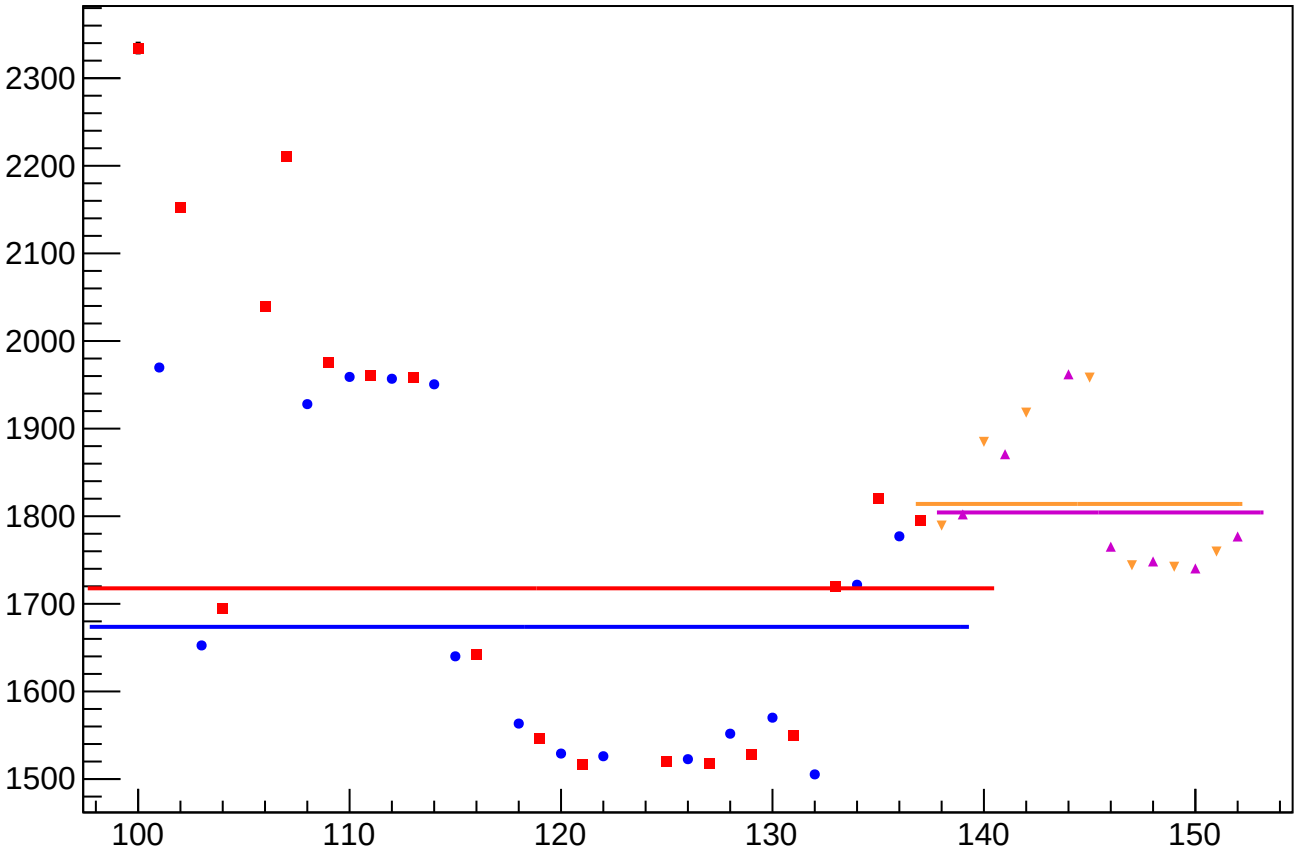
Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 2866.782+/-0.593 χ^2/NDF:3233759.9/22

Out: 2660.526+/-0.543 χ^2/NDF:3193317.4/26

All: 2754.616+/-0.401 χ^2/NDF: 6492871.0/49


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 48.329+/-626.151 χ²/NDF: 12.8/15
Left Out: 309.797+/-782.927 χ²/NDF:17.6/6
Right Out: -559.600+/-645.291 χ²/NDF: 23.3/17
Left In: -498.339+/-728.857 χ²/NDF:2.2/6
Left: -123.138+/-533.471 χ²/NDF: 20.4/13
Right: -246.486+/-449.370 χ²/NDF: 36.5/33
In: -183.806+/-474.953 χ²/NDF:15.4/22
Out: -207.914+/-497.955 χ²/NDF:41.6/24
All: -195.290+/-343.686 χ²/NDF: 57.0/47



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: 1804.300+/-0.515 χ^2/NDF:19304.2/6

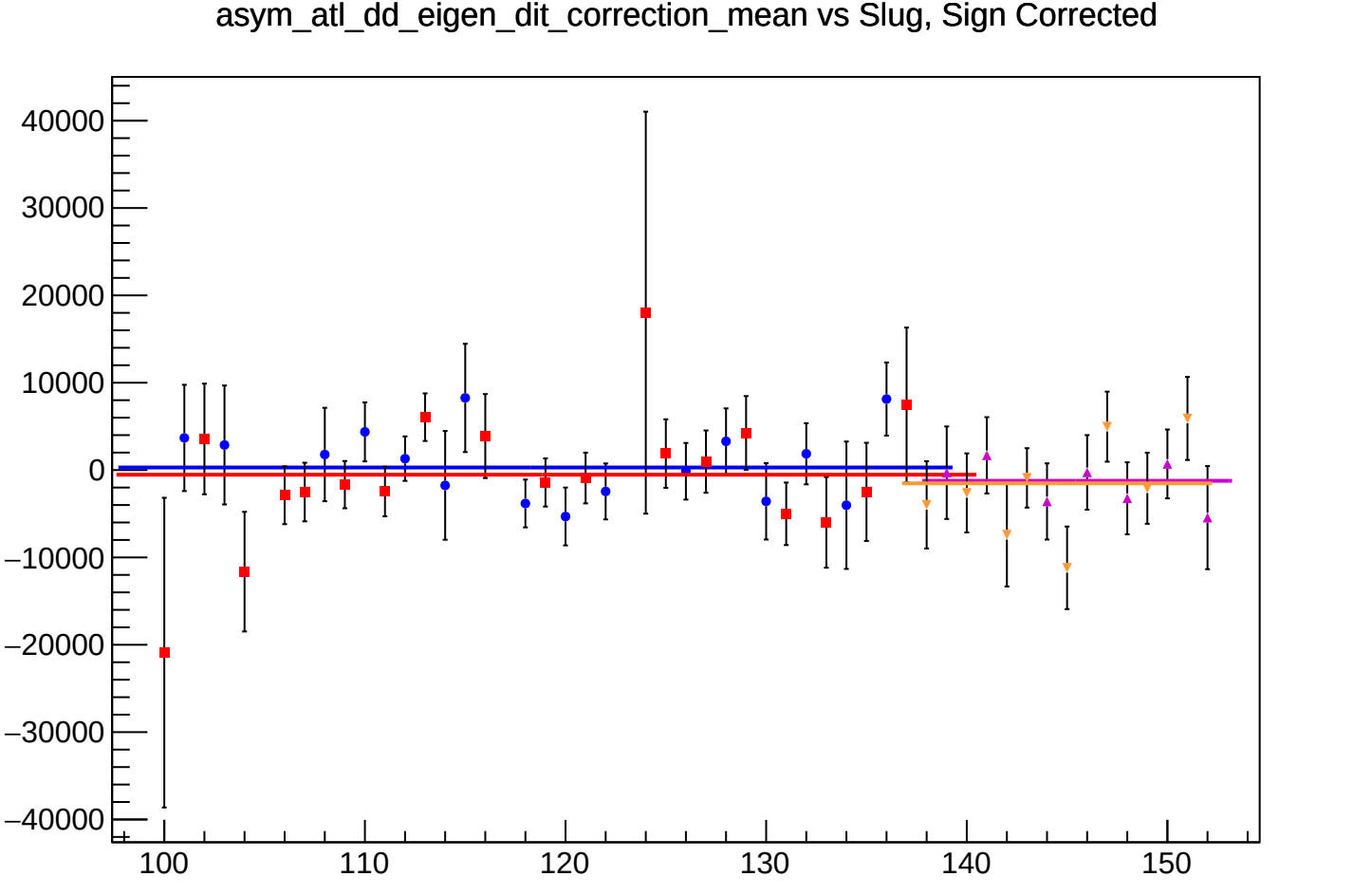
Left: 1808.818+/-0.377 χ^2/NDF: 40632.9/13

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1729.174+/-0.336 χ^2/NDF:197108.1/22

Out: 1756.568+/-0.352 χ^2/NDF:266863.1/24

All: 1742.243+/-0.243 χ^2/NDF: 467145.3/47



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: -1227.079+/-1696.634 χ^2/NDF:1.8/6

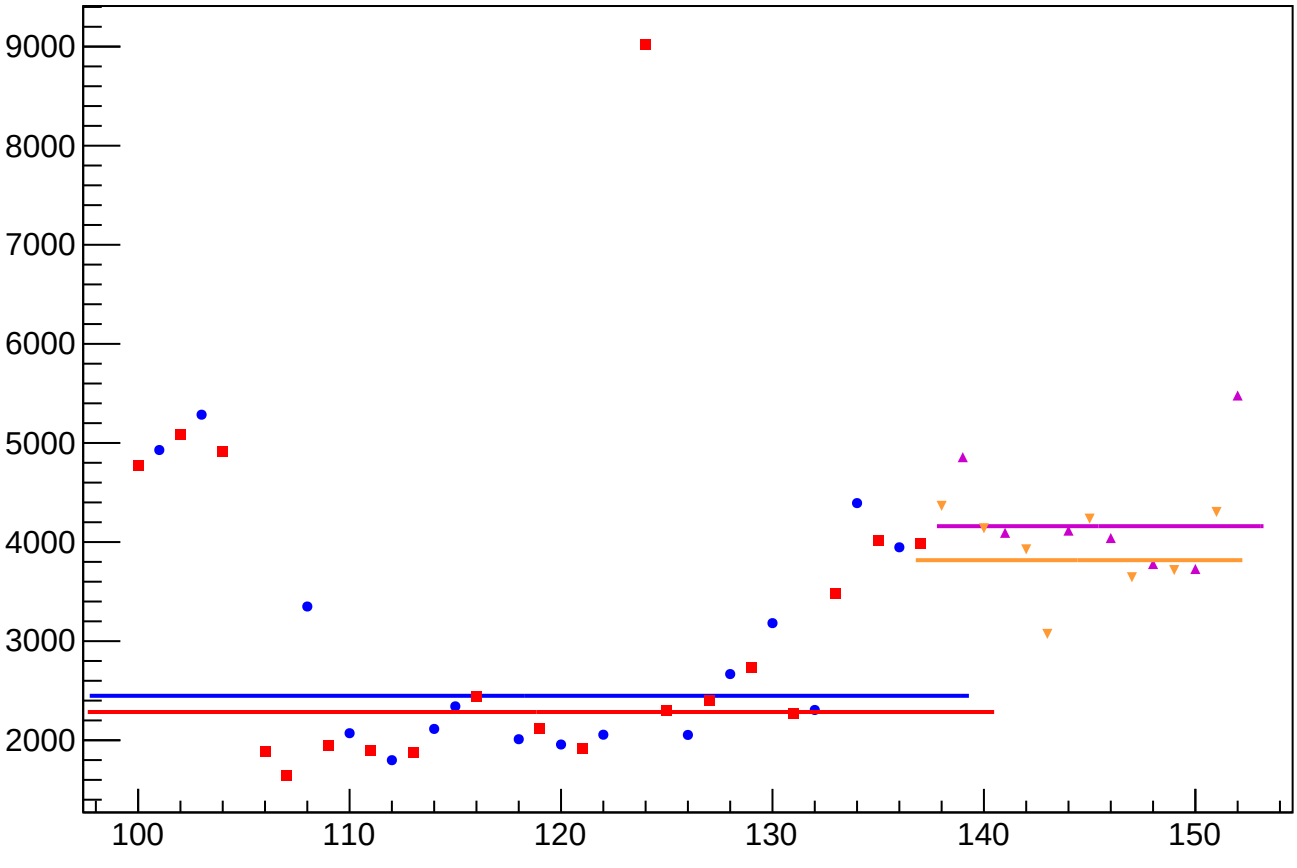
Left: -1385.880+/-1144.982 χ^2/NDF: 12.4/14

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: -75.709+/-838.598 χ^2/NDF:17.7/22

Out: -773.036+/-768.061 χ^2/NDF:29.7/26

All: -454.928+/-566.399 χ^2/NDF: 47.7/49



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: 4160.321+/-1.200 χ^2/NDF:177790.4/6

Left: 3973.486+/-0.810 χ^2/NDF: 394471.5/14

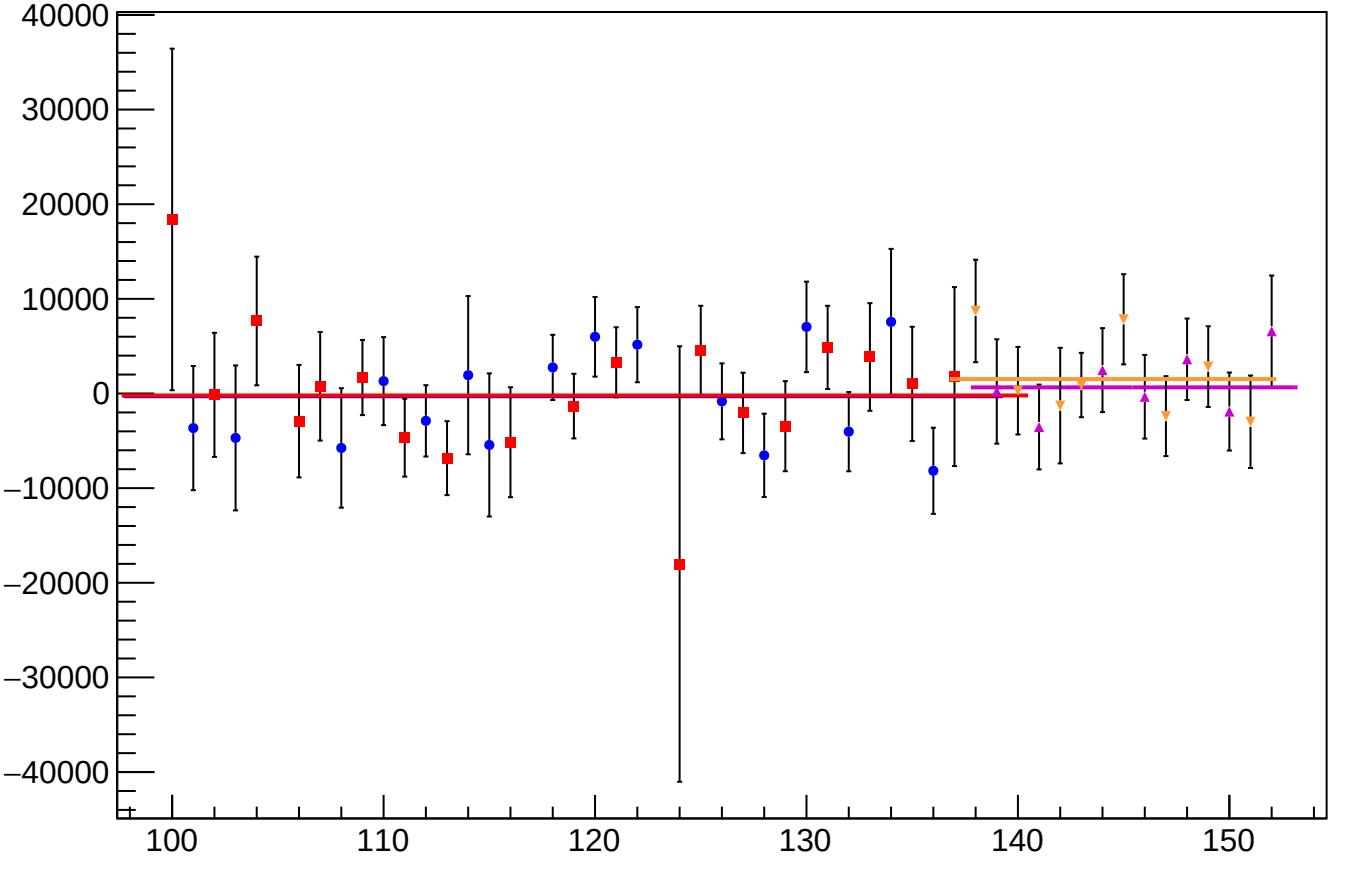
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 2866.771+/-0.593 χ^2/NDF:3233802.8/22

Out: 2660.518+/-0.543 χ^2/NDF:3193352.3/26

All: 2754.607+/-0.401 χ^2/NDF: 6492947.8/49

asym_atl_dd_mean vs Slug, Sign Corrected



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: 647.735+/-1750.500 χ^2/NDF:3.0/6

Left: 1126.050+/-1180.634 χ^2/NDF: 8.8/14

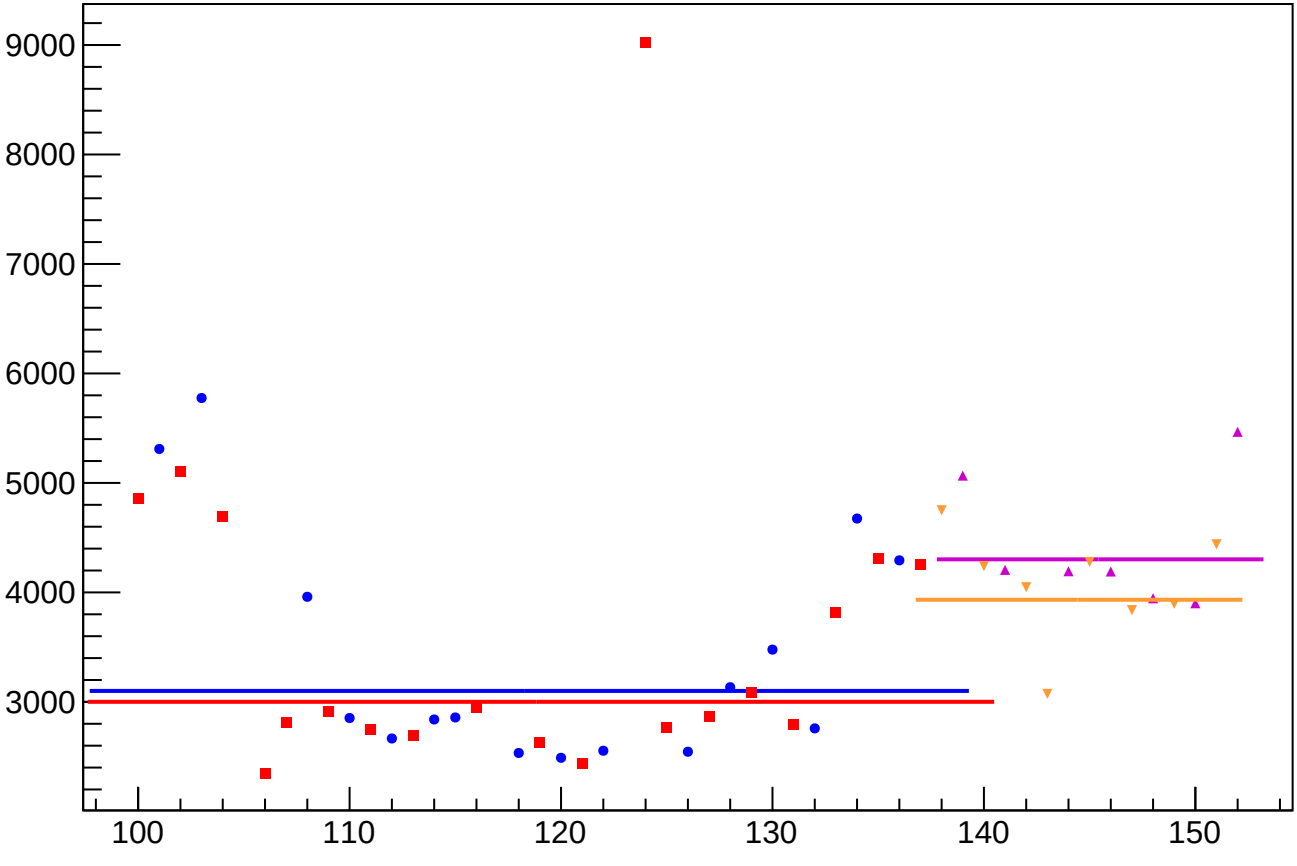
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: 10.743+/-988.270 χ^2/NDF:19.7/22

Out: 384.388+/-935.636 χ^2/NDF:19.3/26

All: 207.780+/-679.440 χ^2/NDF: 39.1/49

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: 4301.989+/-1.238 χ^2/NDF:152721.6/6

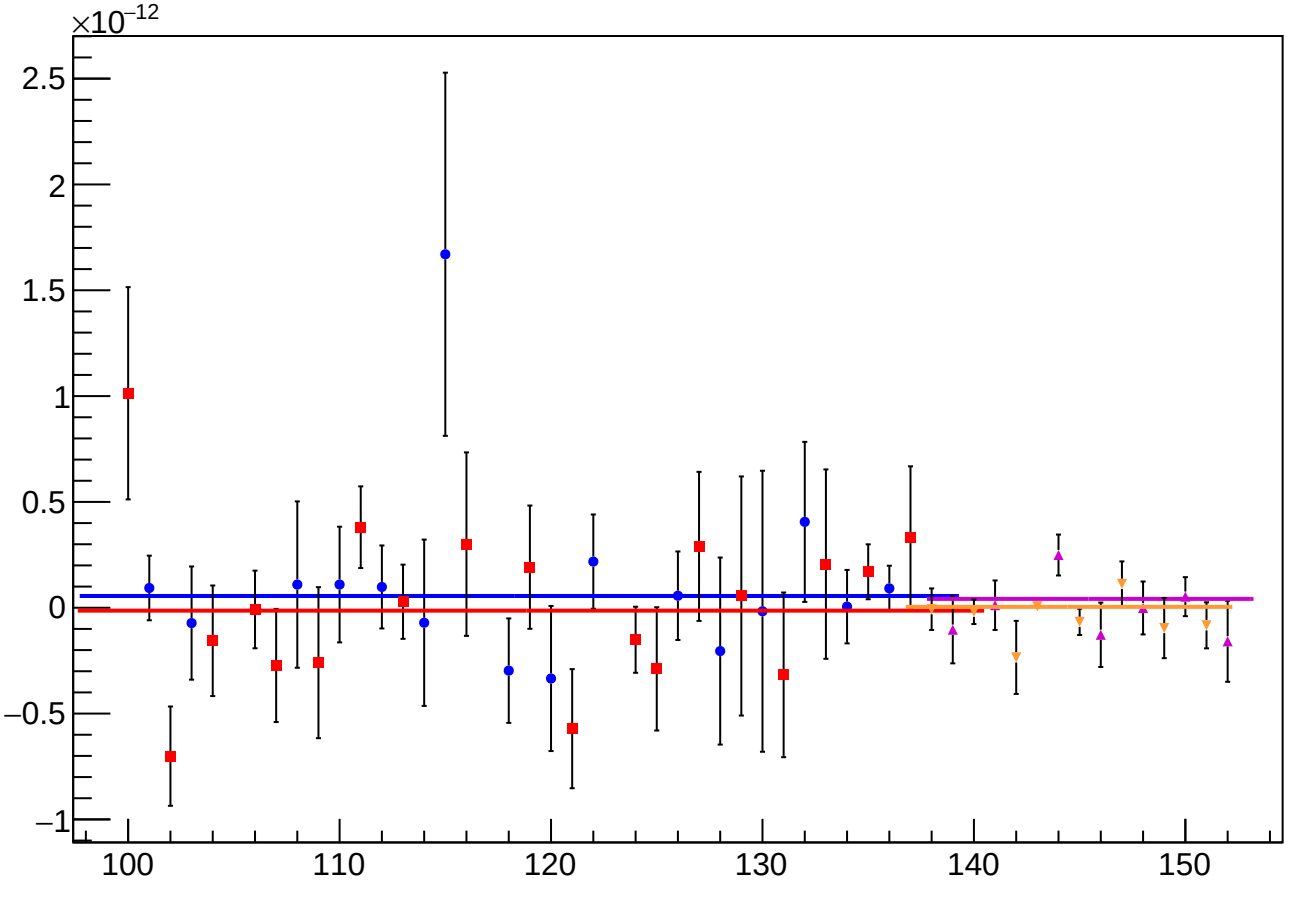
Left: 4100.822+/-0.835 χ^2/NDF: 417185.7/14

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3483.205+/-0.699 χ^2/NDF:1758675.2/22

Out: 3314.206+/-0.656 χ^2/NDF:1473741.7/26

All: 3393.329+/-0.478 χ^2/NDF: 3263520.0/49



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:8.0/6

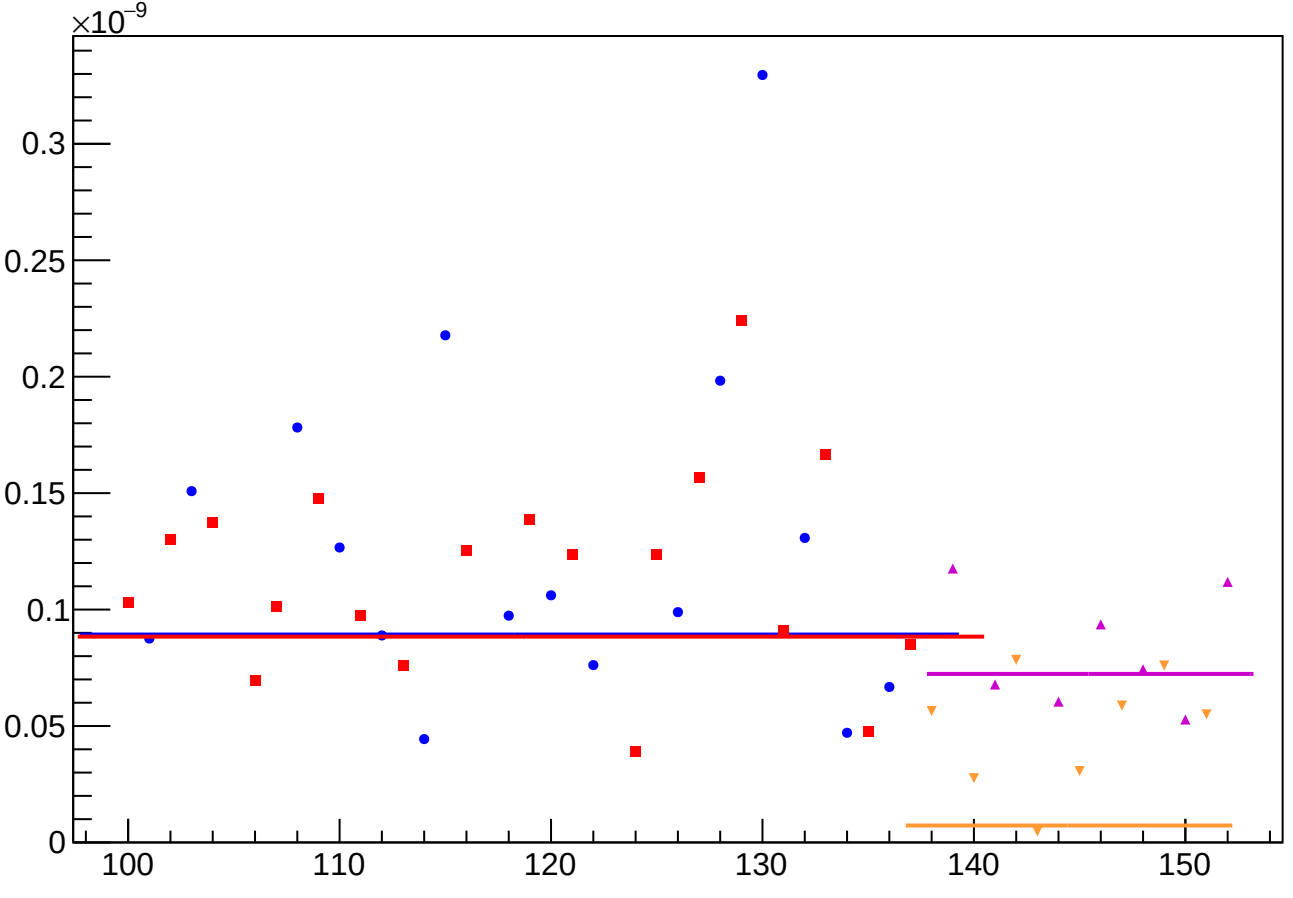
Left: 0.000+/-0.000 χ^2/NDF: 14.3/14

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:17.3/22

Out: 0.000+/-0.000 χ^2/NDF:35.8/26

All: 0.000+/-0.000 χ^2/NDF: 54.6/49



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:409976.4/6

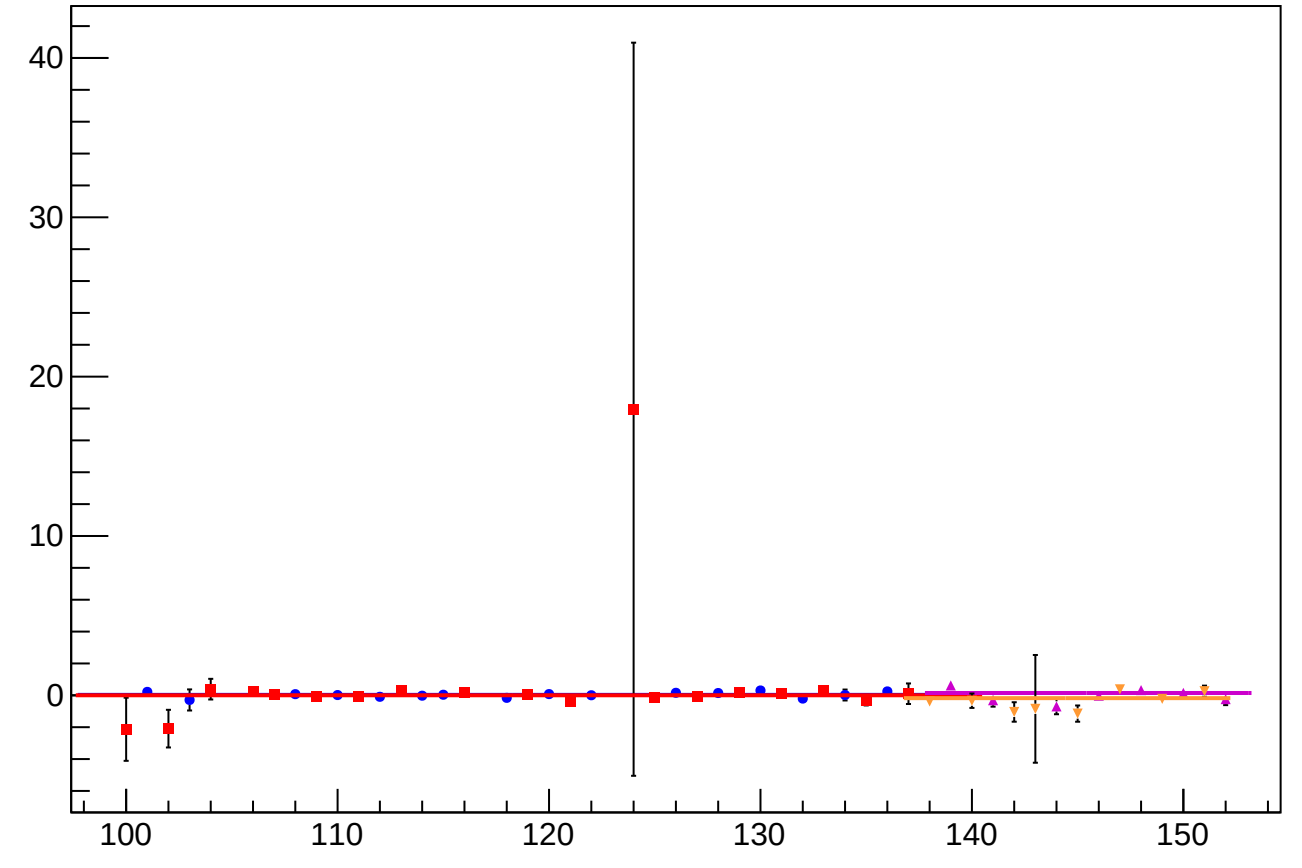
Left: 0.000+/-0.000 χ^2/NDF: 7129121.5/14

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1467196.2/22

Out: 0.000+/-0.000 χ^2/NDF:8000104.8/26

All: 0.000+/-0.000 χ^2/NDF: 16736198.6/49



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: 0.147+/-0.121 χ^2/NDF:10.0/6

Left: 0.004+/-0.090 χ^2/NDF: 24.6/14

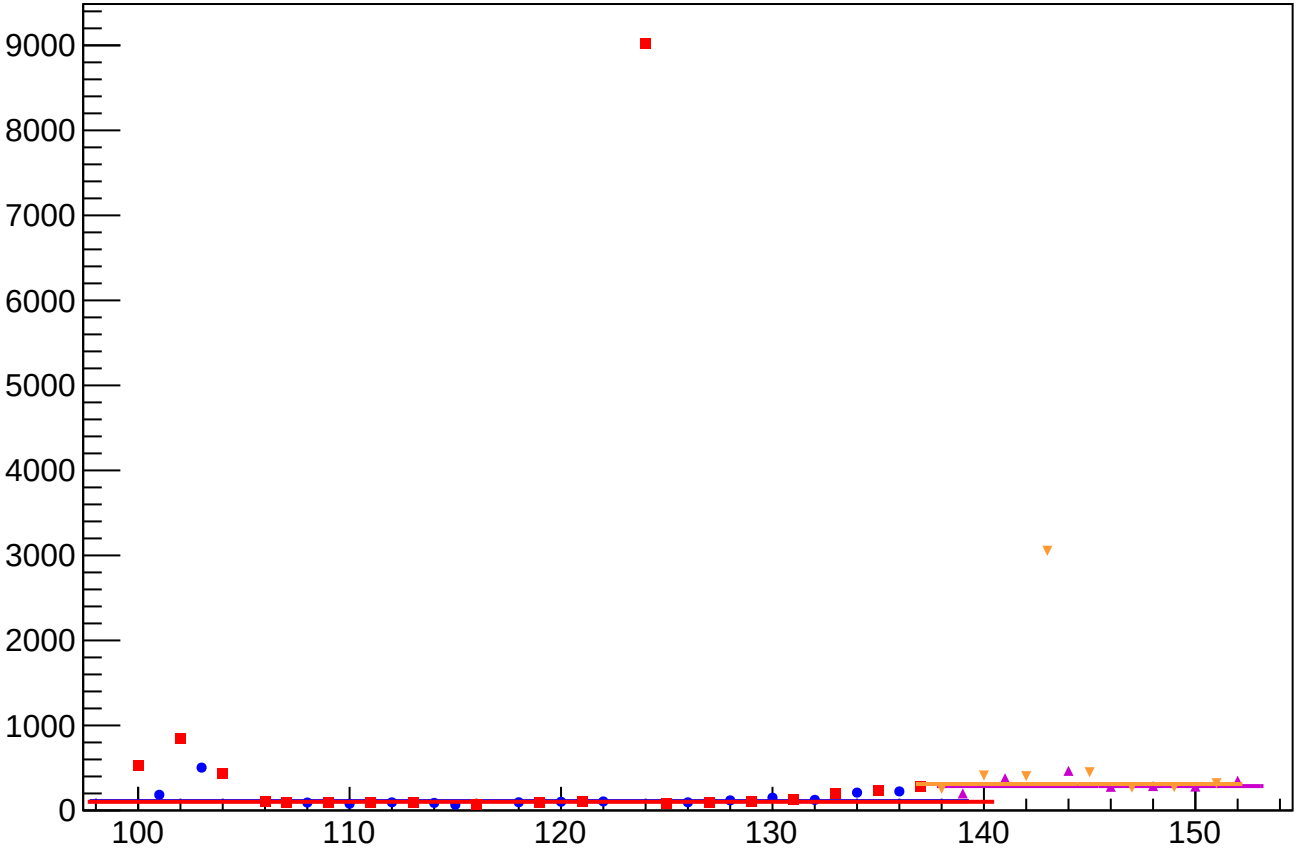
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.043+/-0.042 χ^2/NDF:19.8/22

Out: -0.013+/-0.041 χ^2/NDF:35.3/26

All: 0.014+/-0.030 χ^2/NDF: 56.0/49

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 310.948+/-0.096 χ^2/NDF:1760765.5/7

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 286.652+/-0.086 χ^2/NDF:704243.4/6

Left: 297.379+/-0.064 χ^2/NDF: 2500572.3/14

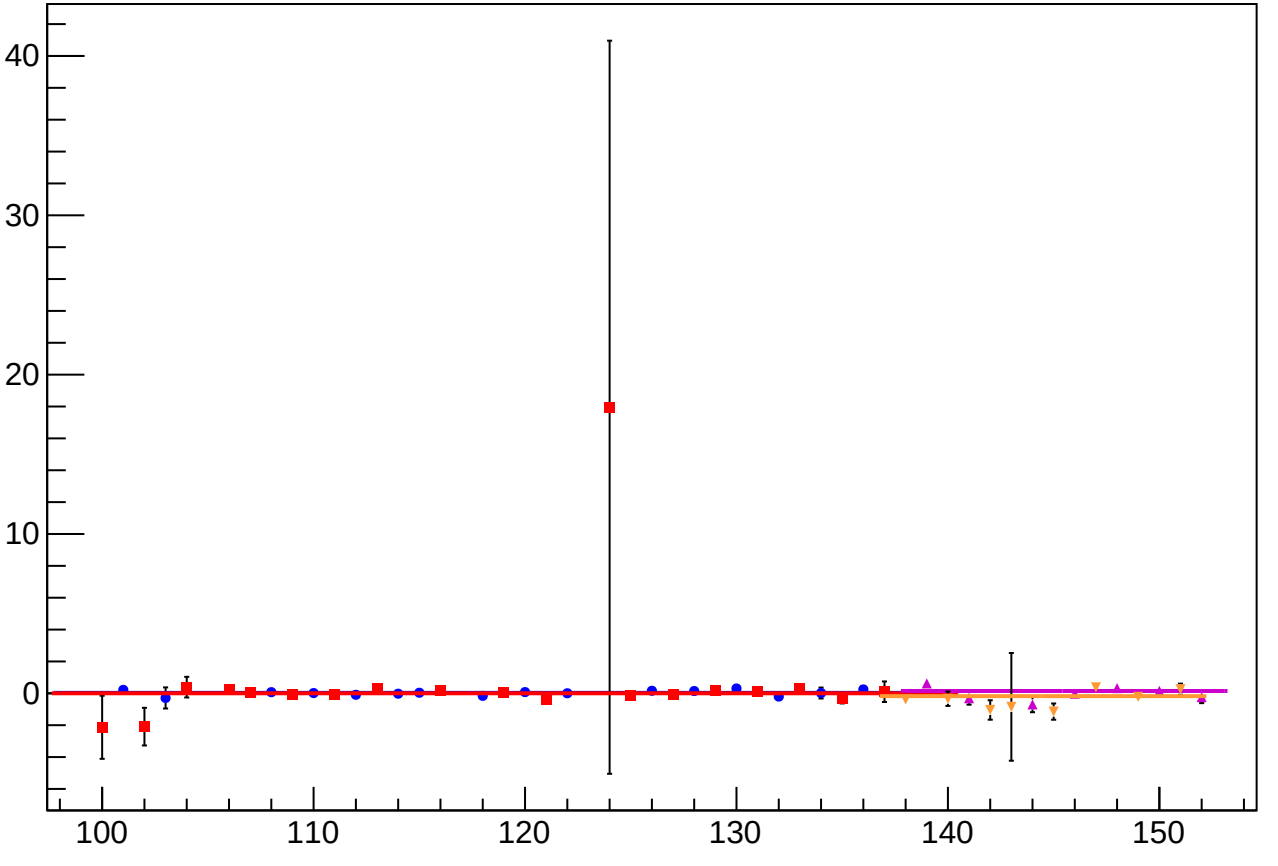
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 131.685+/-0.030 χ^2/NDF:6370490.5/22

Out: 121.112+/-0.029 χ^2/NDF:8632401.5/26

All: 126.260+/-0.021 χ^2/NDF: 15066628.9/49

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: 0.147+/-0.121 χ^2/NDF:10.0/6

Left: 0.004+/-0.090 χ^2/NDF: 24.6/14

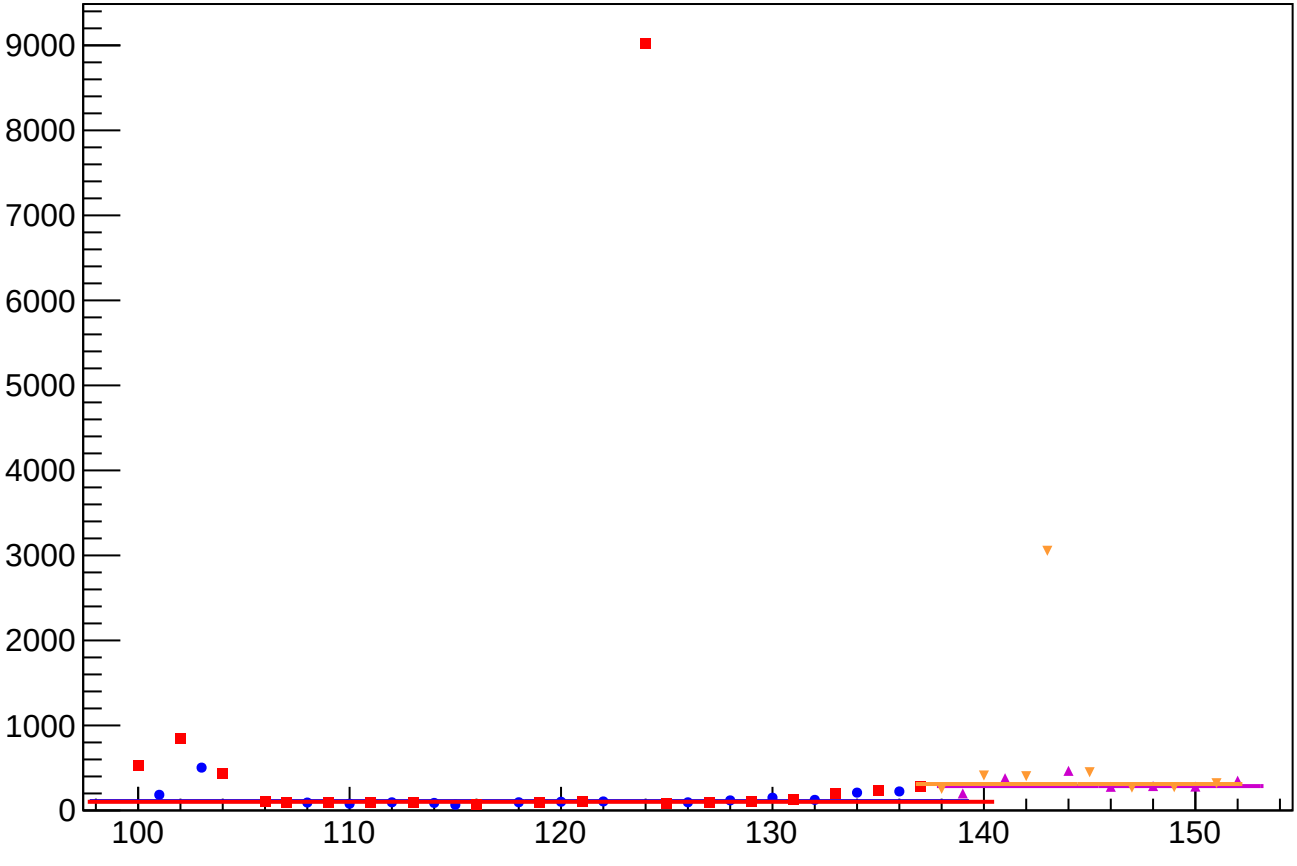
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.043+/-0.042 χ^2/NDF:19.8/22

Out: -0.013+/-0.041 χ^2/NDF:35.3/26

All: 0.014+/-0.030 χ^2/NDF: 56.0/49

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: 286.652+/-0.086 χ^2/NDF:704243.4/6

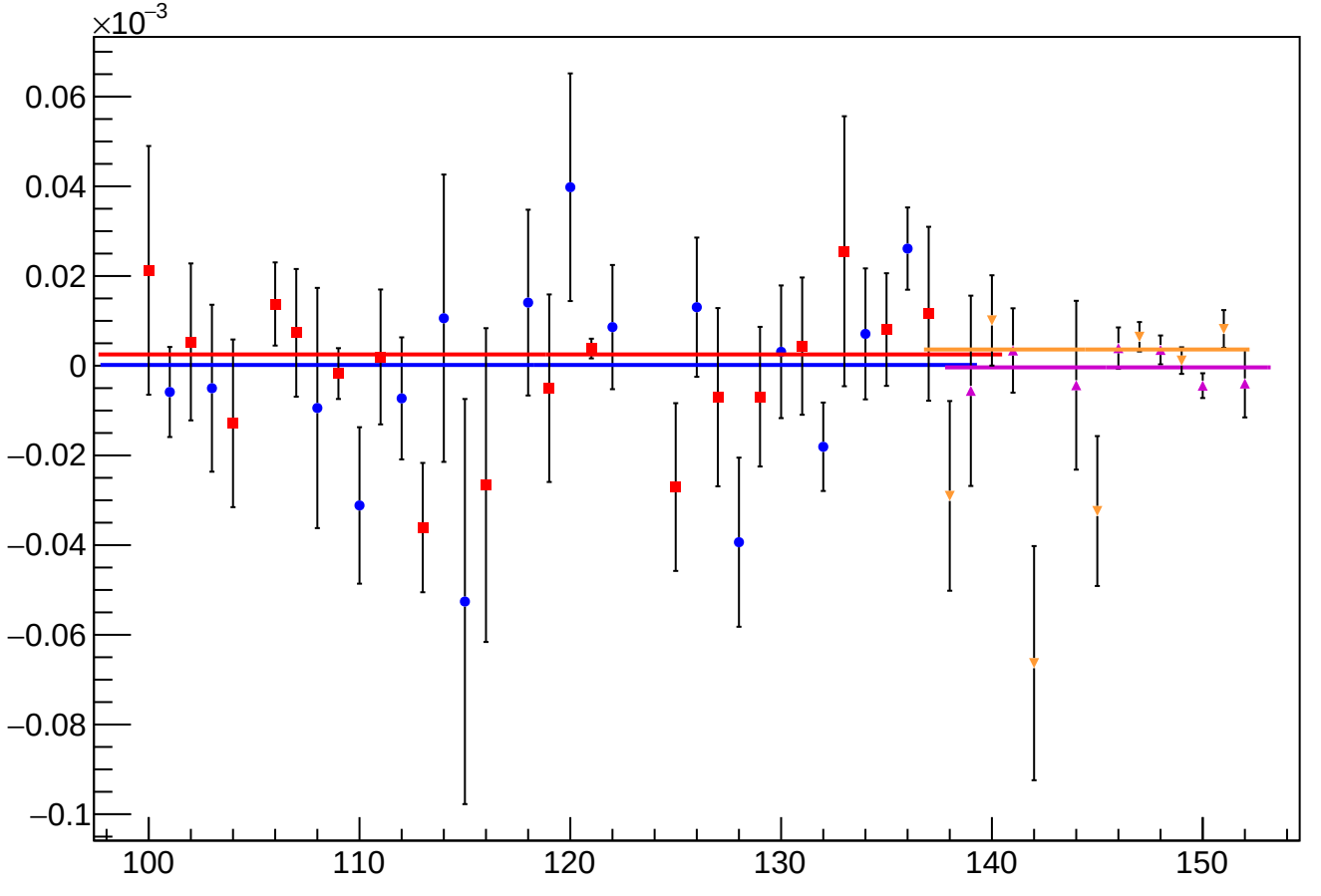
Left: 297.379+/-0.064 χ^2/NDF: 2500572.3/14

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 131.685+/-0.030 χ^2/NDF:6370490.5/22

Out: 121.112+/-0.029 χ^2/NDF:8632401.5/26

All: 126.260+/-0.021 χ^2/NDF: 15066628.9/49



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:5.0/6

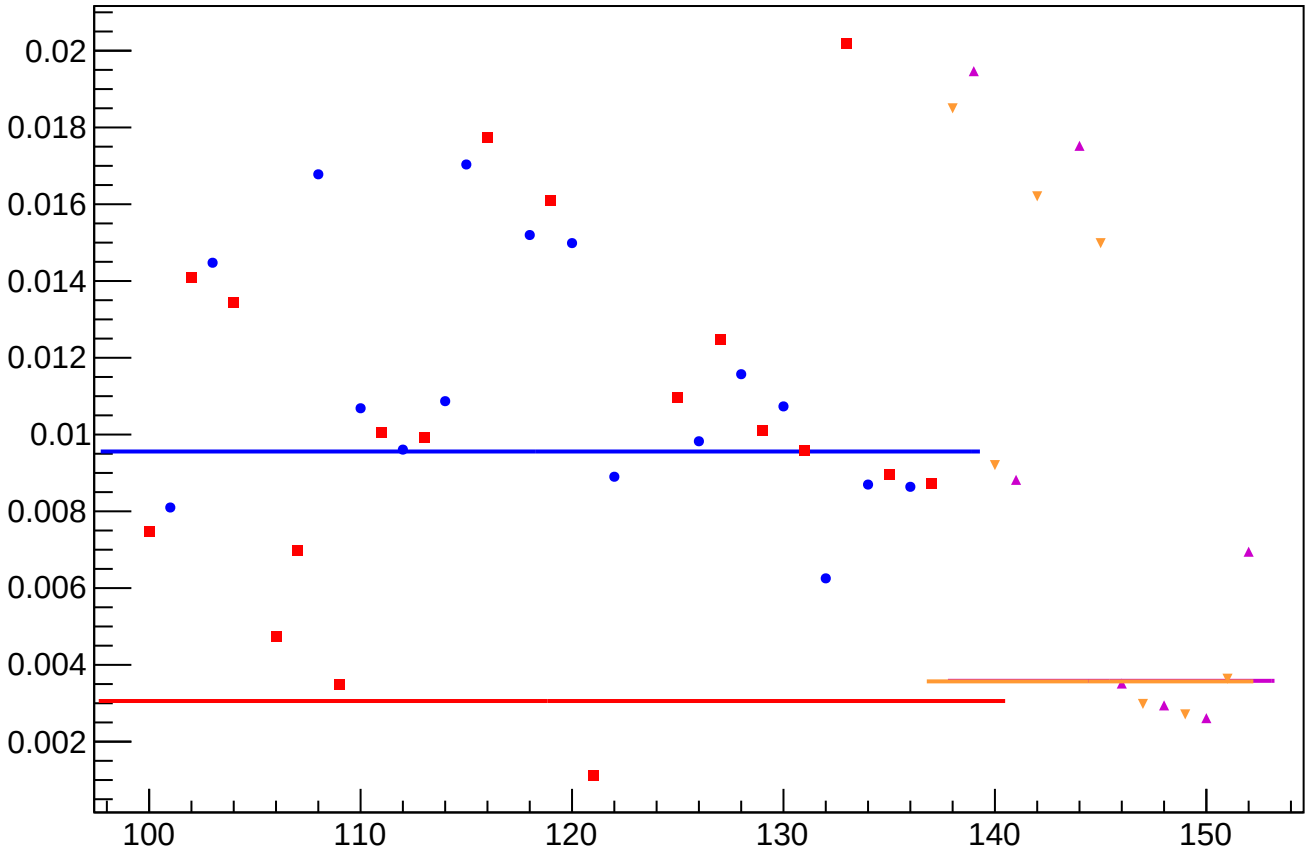
Left: 0.000+/-0.000 χ^2/NDF: 24.6/13

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:30.6/22

Out: 0.000+/-0.000 χ^2/NDF:33.2/24

All: 0.000+/-0.000 χ^2/NDF: 66.3/47



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: 0.004+/-0.000 χ^2/NDF:3560834.4/6

Left: 0.004+/-0.000 χ^2/NDF: 6818808.9/13

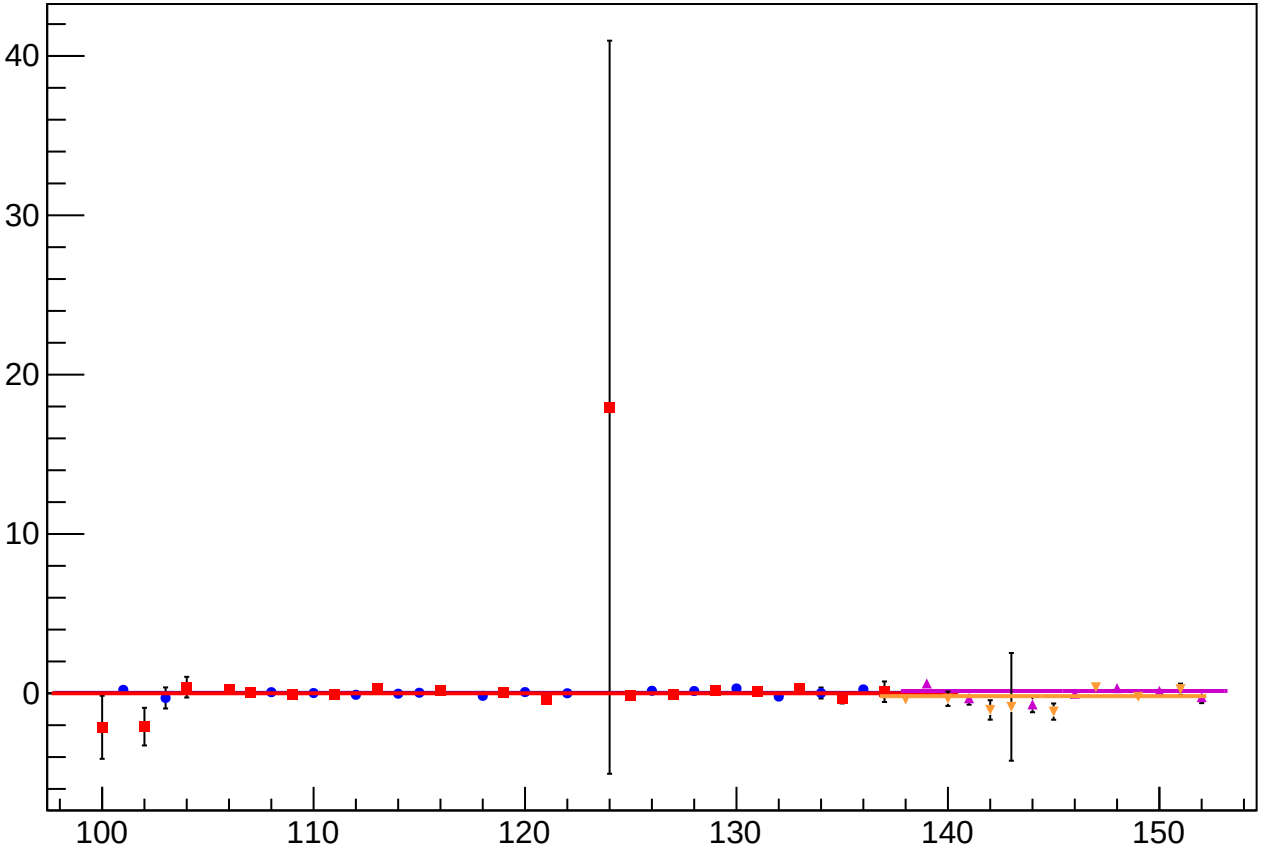
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:8648431.3/22

Out: 0.003+/-0.000 χ^2/NDF:11455966.2/24

All: 0.004+/-0.000 χ^2/NDF: 21013165.3/47

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.177+/-0.136 χ^2/NDF:11.4/7

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.147+/-0.121 χ^2/NDF:10.0/6

Left: 0.004+/-0.090 χ^2/NDF: 24.6/14

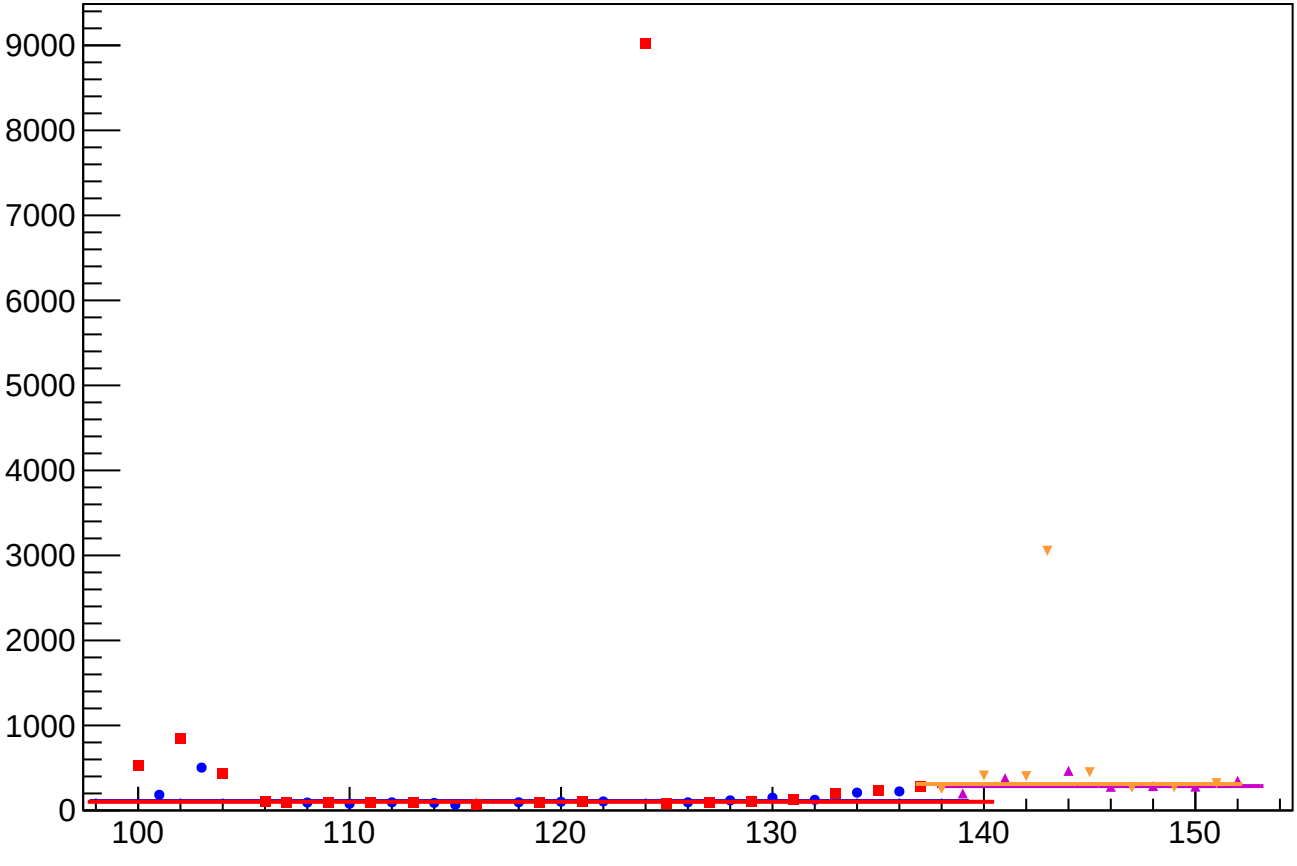
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.043+/-0.042 χ^2/NDF:19.8/22

Out: -0.013+/-0.041 χ^2/NDF:35.3/26

All: 0.014+/-0.030 χ^2/NDF: 56.0/49

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: 286.656+/-0.086 χ^2/NDF:704217.7/6

Left: 297.382+/-0.064 χ^2/NDF: 2500565.5/14

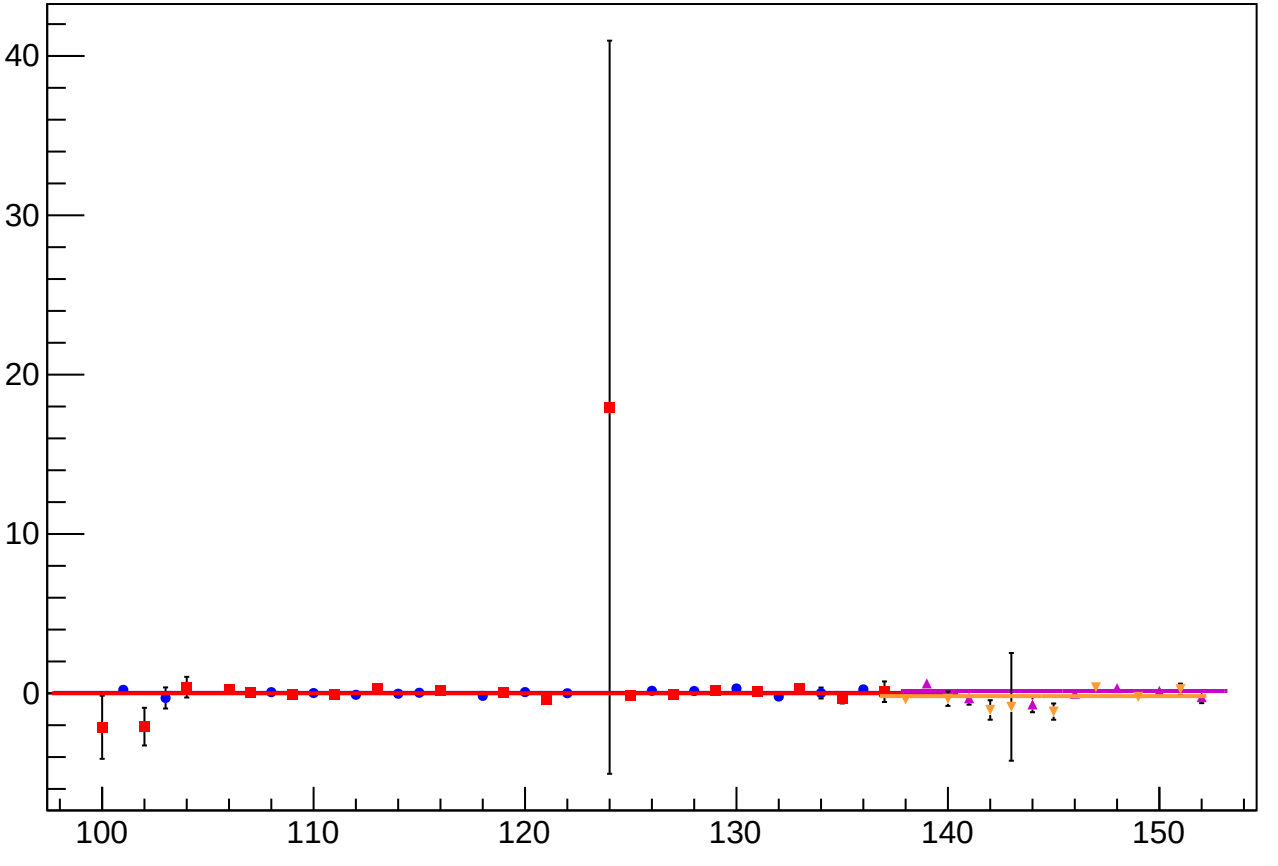
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 131.686+/-0.030 χ^2/NDF:6370438.0/22

Out: 121.113+/-0.029 χ^2/NDF:8632308.9/26

All: 126.261+/-0.021 χ^2/NDF: 15066478.2/49

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: 0.147+/-0.121 χ^2/NDF:10.0/6

Left: 0.004+/-0.090 χ^2/NDF: 24.6/14

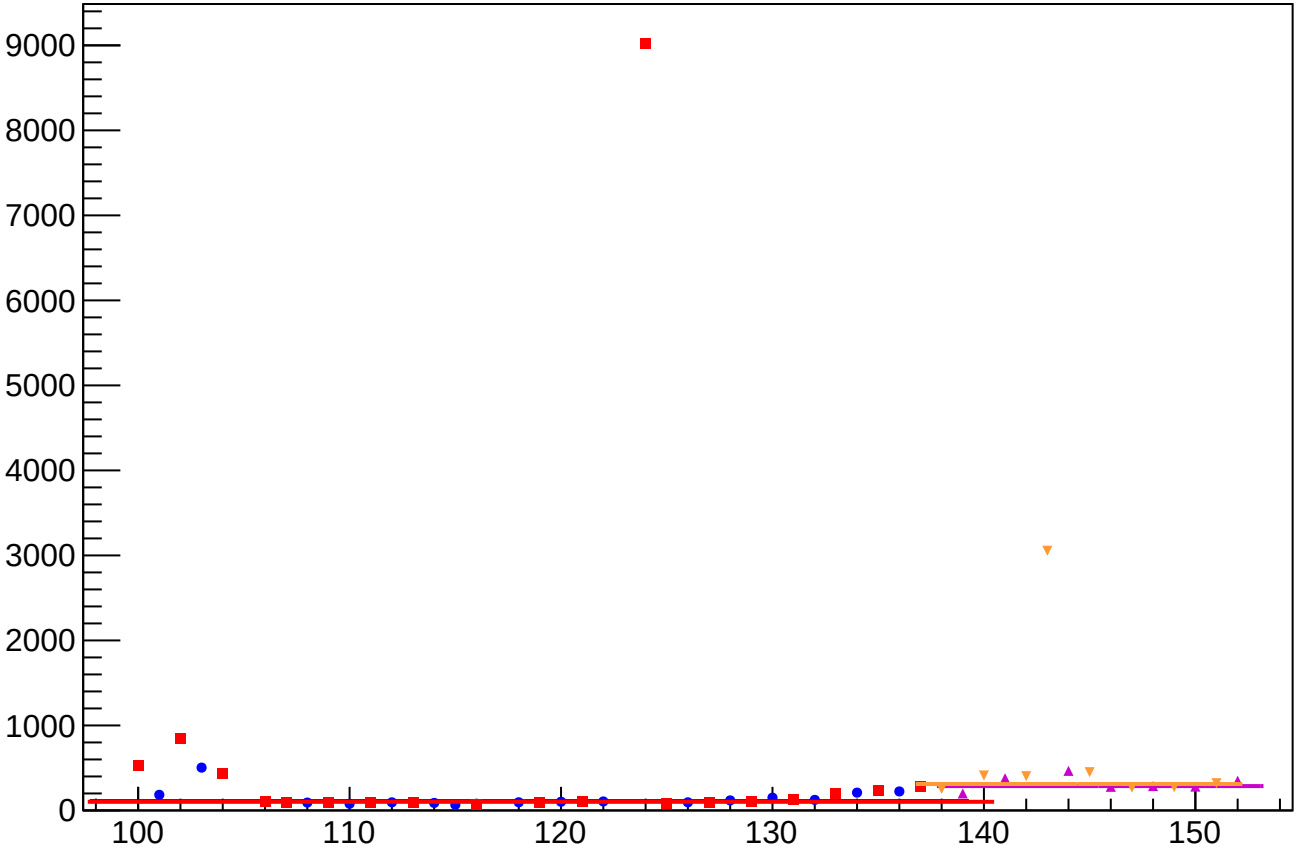
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.043+/-0.042 χ^2/NDF:19.8/22

Out: -0.013+/-0.041 χ^2/NDF:35.3/26

All: 0.014+/-0.030 χ^2/NDF: 56.0/49

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: 286.656+/-0.086 χ^2/NDF:704217.7/6

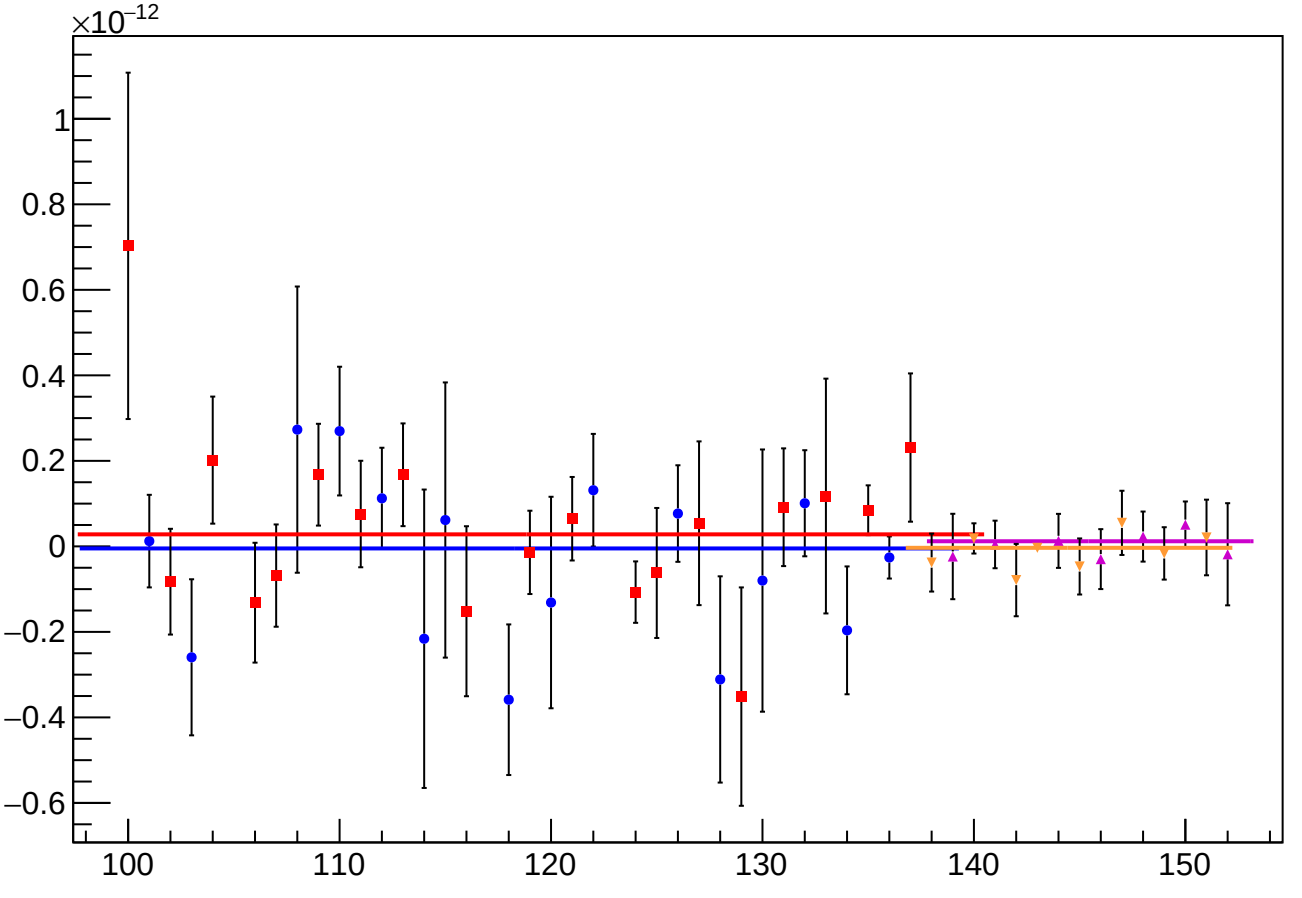
Left: 297.382+/-0.064 χ^2/NDF: 2500565.5/14

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 131.686+/-0.030 χ^2/NDF:6370438.0/22

Out: 121.113+/-0.029 χ^2/NDF:8632308.9/26

All: 126.261+/-0.021 χ^2/NDF: 15066478.2/49



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:1.1/6

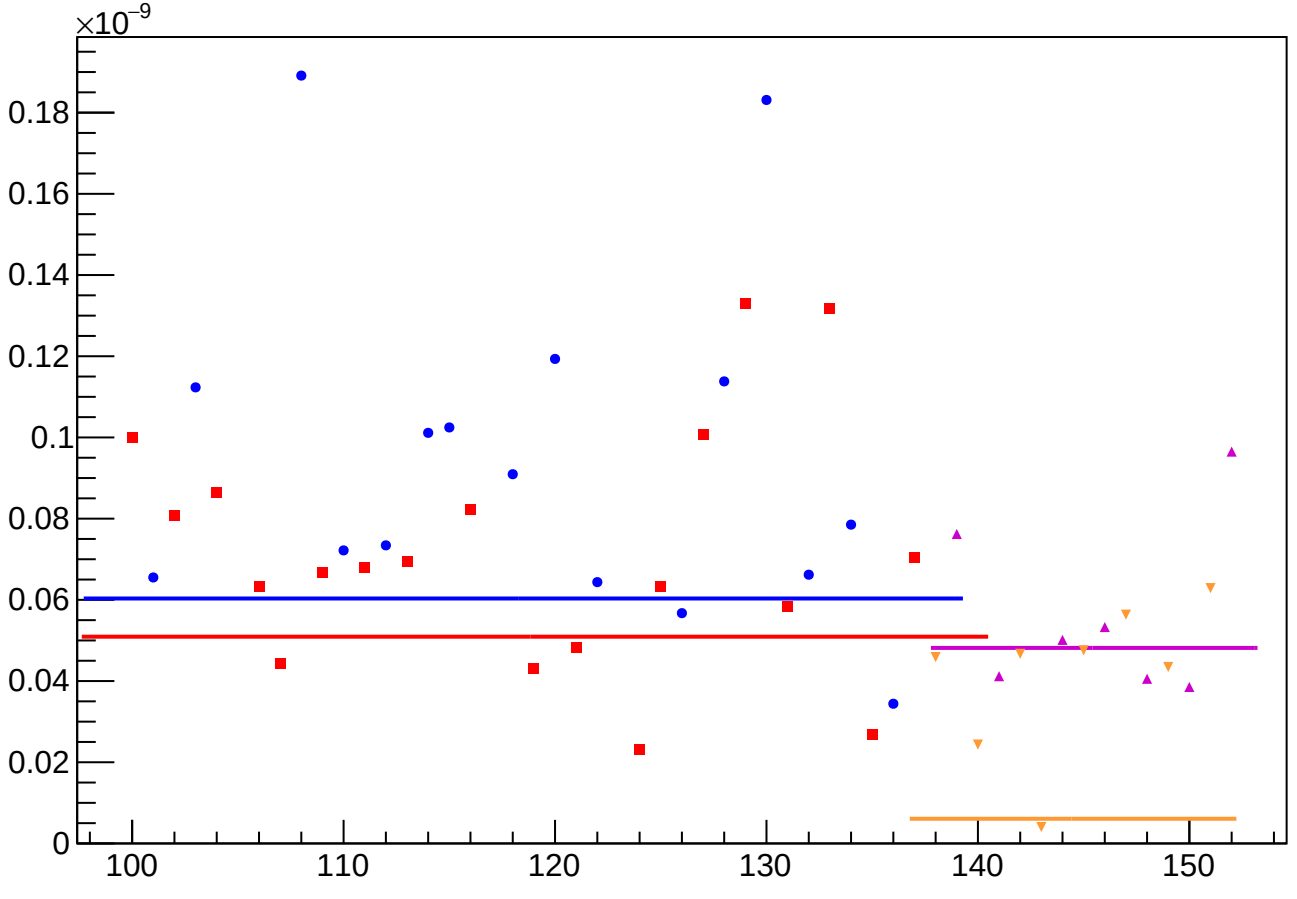
Left: -0.000+/-0.000 χ^2/NDF: 4.1/14

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:18.8/22

Out: -0.000+/-0.000 χ^2/NDF:23.5/26

All: -0.000+/-0.000 χ^2/NDF: 42.5/49



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:626510.8/6

Left: 0.000+/-0.000 χ^2/NDF: 11191258.7/14

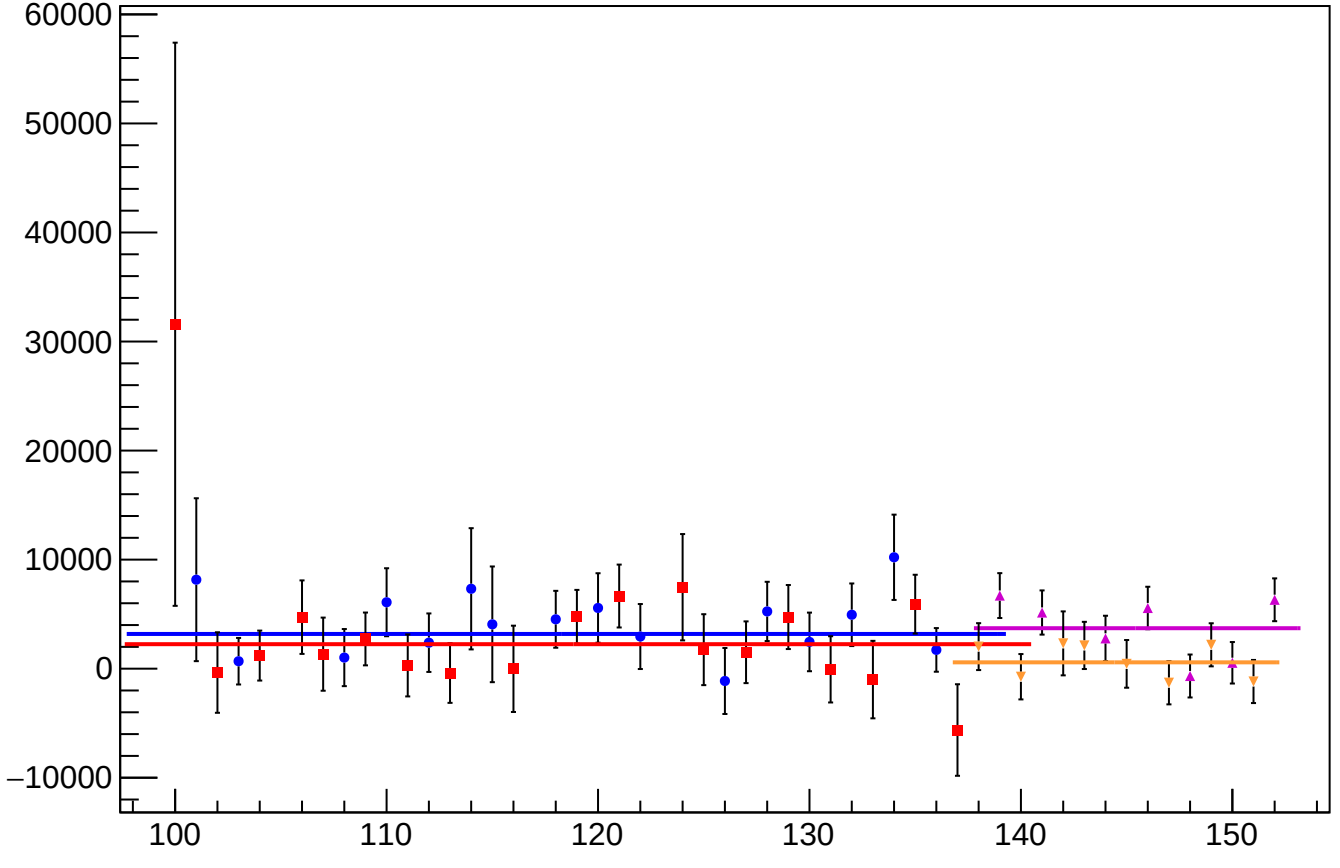
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:2553168.5/22

Out: 0.000+/-0.000 χ^2/NDF:12113139.0/26

All: 0.000+/-0.000 χ^2/NDF: 24388446.4/49

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: 3710.427+/-751.798 χ^2/NDF:13.2/6

Left: 2153.086+/-532.909 χ^2/NDF: 25.9/14

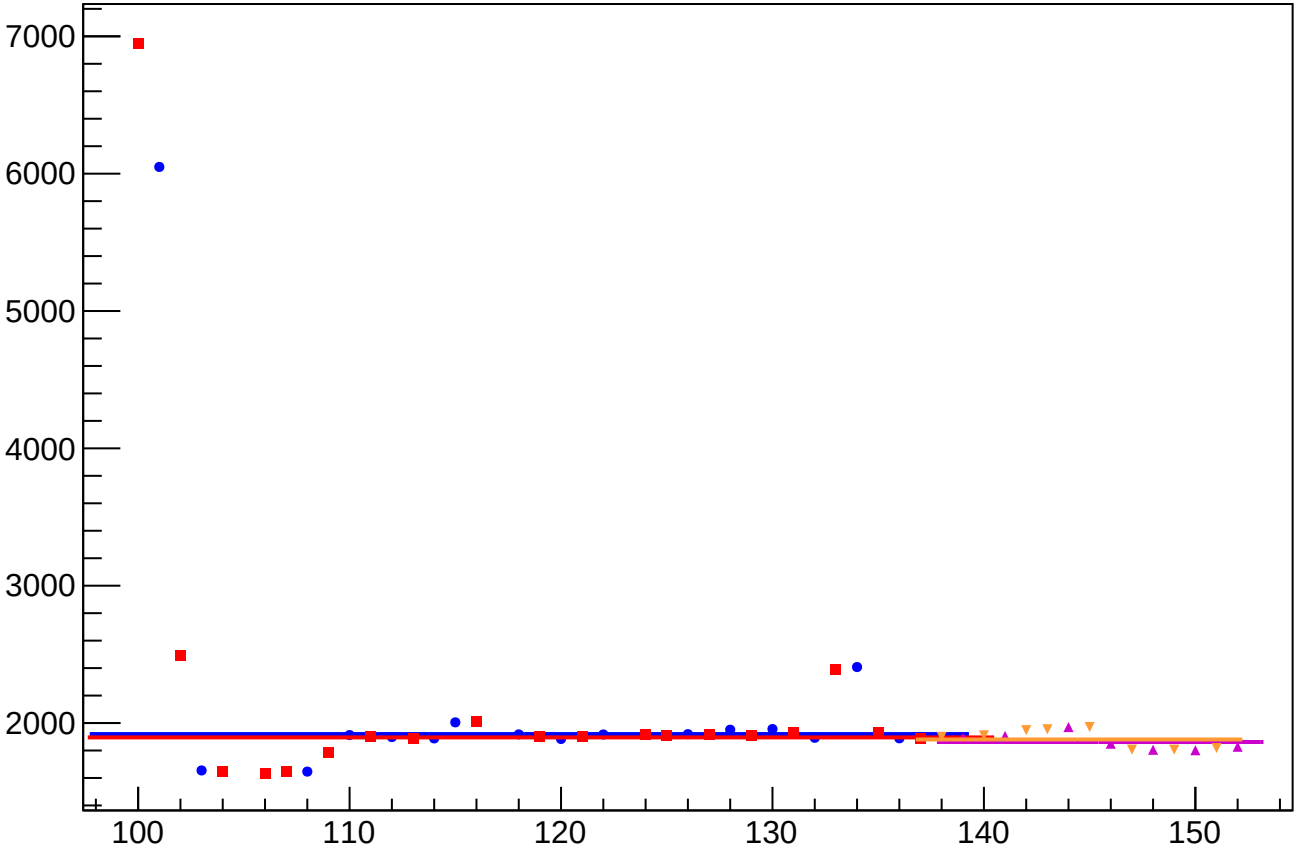
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3439.727+/-524.143 χ^2/NDF:25.2/22

Out: 1463.805+/-517.740 χ^2/NDF:23.1/26

All: 2439.623+/-368.340 χ^2/NDF: 55.5/49

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: 1861.908+/-0.532 χ^2/NDF:11211.3/6

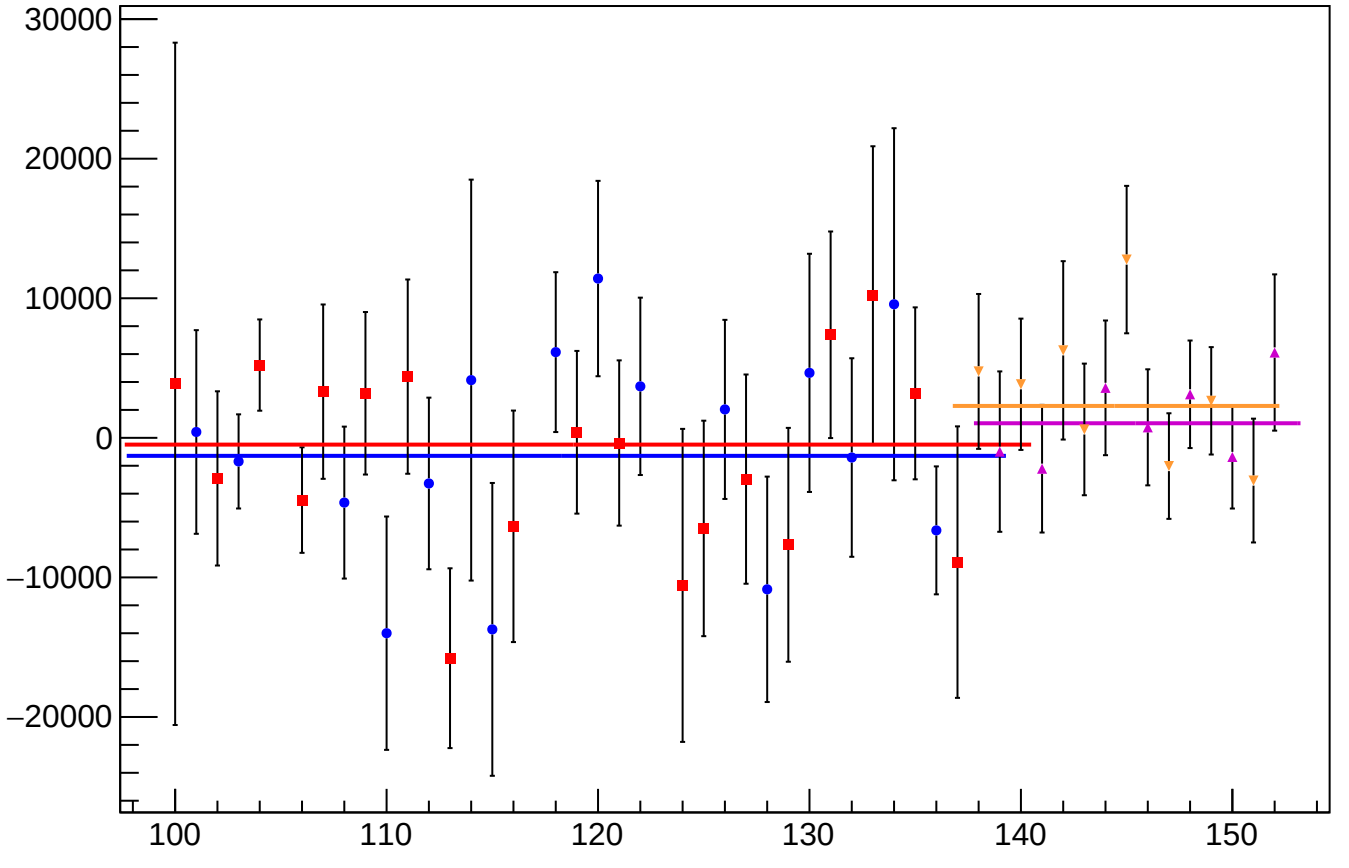
Left: 1871.073+/-0.377 χ^2/NDF: 26829.0/14

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1891.674+/-0.371 χ^2/NDF:714643.5/22

Out: 1888.328+/-0.365 χ^2/NDF:237715.6/26

All: 1889.977+/-0.260 χ^2/NDF: 952400.4/49



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: 1044.556+/-1687.110 χ^2/NDF:2.4/6

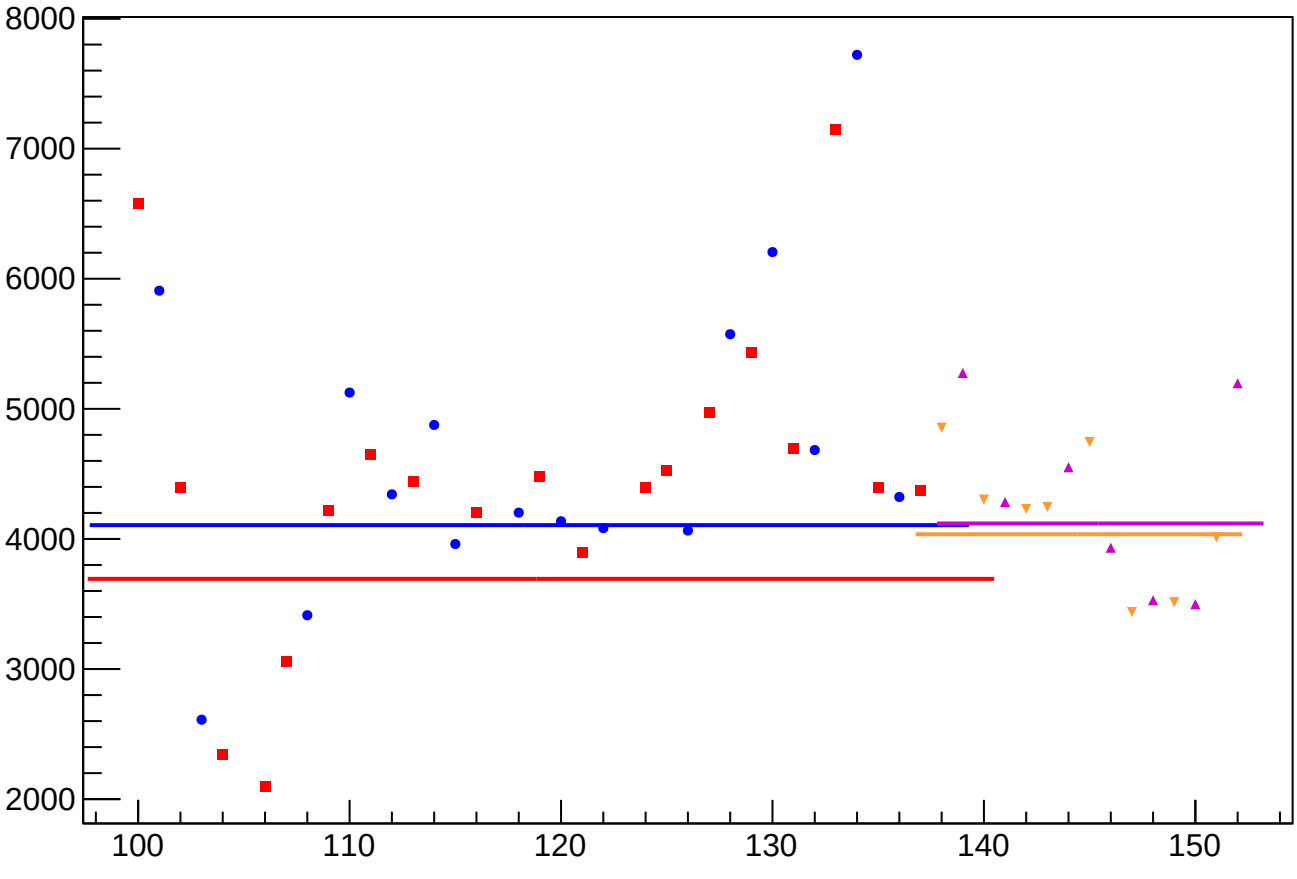
Left: 1682.134+/-1176.425 χ^2/NDF: 10.3/14

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -195.449+/-1155.344 χ^2/NDF:17.7/22

Out: 717.545+/-1081.360 χ^2/NDF:26.4/26

All: 291.214+/-789.497 χ^2/NDF: 44.4/49



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: 4118.853+/-1.193 χ^2/NDF:281093.1/6

Left: 4076.304+/-0.832 χ^2/NDF: 462235.4/14

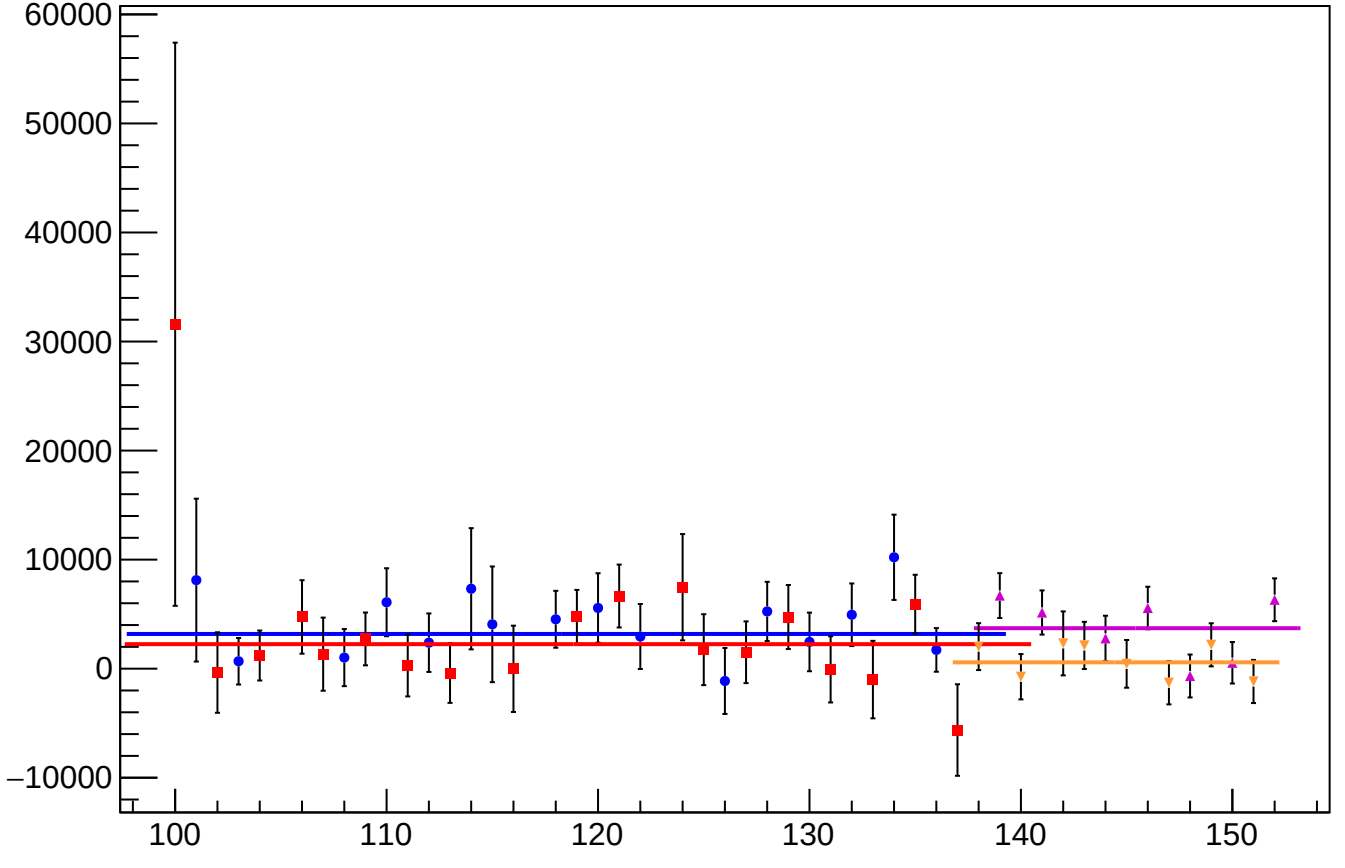
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4112.103+/-0.817 χ^2/NDF:1237283.8/22

Out: 3842.060+/-0.765 χ^2/NDF:1584675.2/26

All: 3968.159+/-0.558 χ^2/NDF: 2880200.4/49

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: 3710.615+/-751.798 χ^2/NDF:13.2/6

Left: 2153.158+/-532.909 χ^2/NDF: 25.9/14

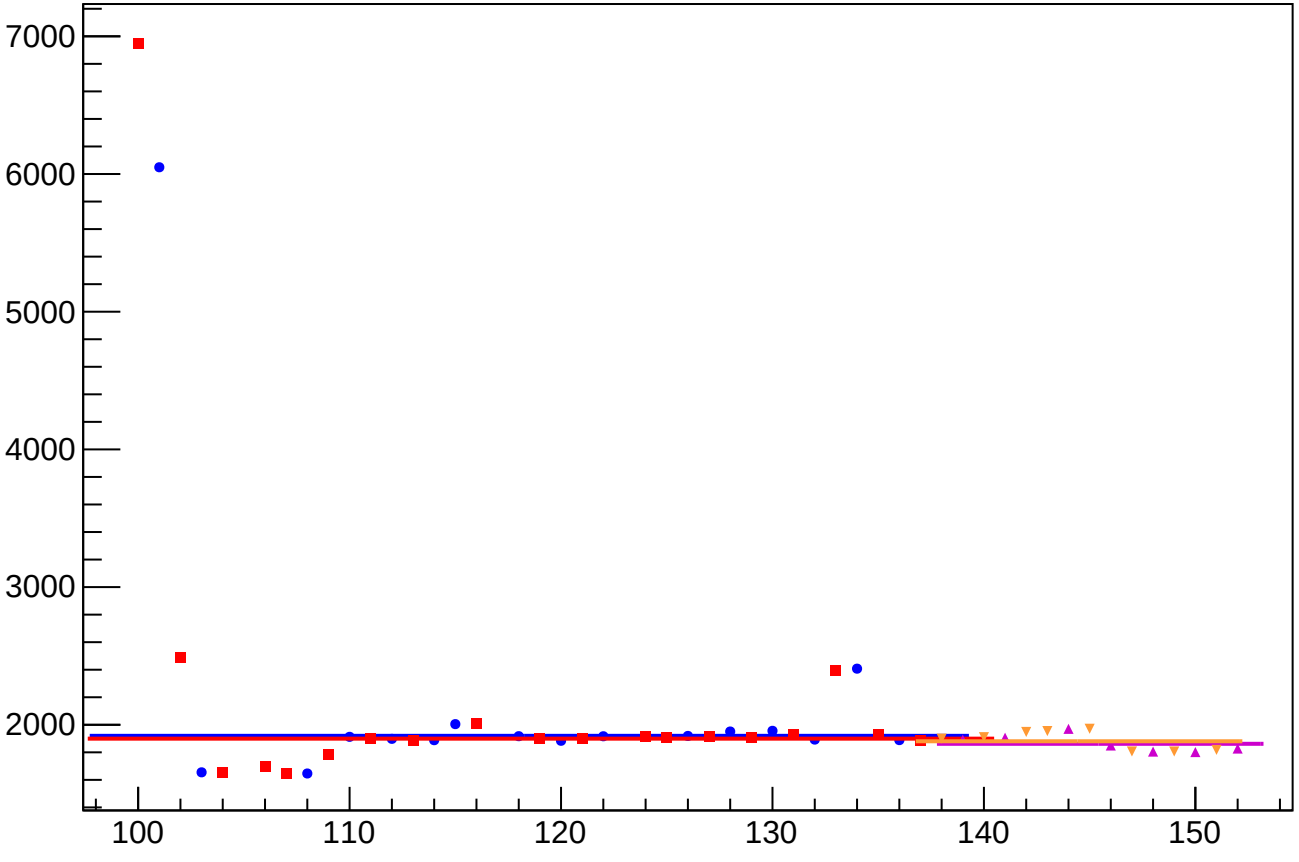
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3439.443+/-524.143 χ^2/NDF:25.2/22

Out: 1464.382+/-517.741 χ^2/NDF:23.2/26

All: 2439.778+/-368.341 χ^2/NDF: 55.5/49

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: 1861.908+/-0.532 χ^2/NDF:11211.3/6

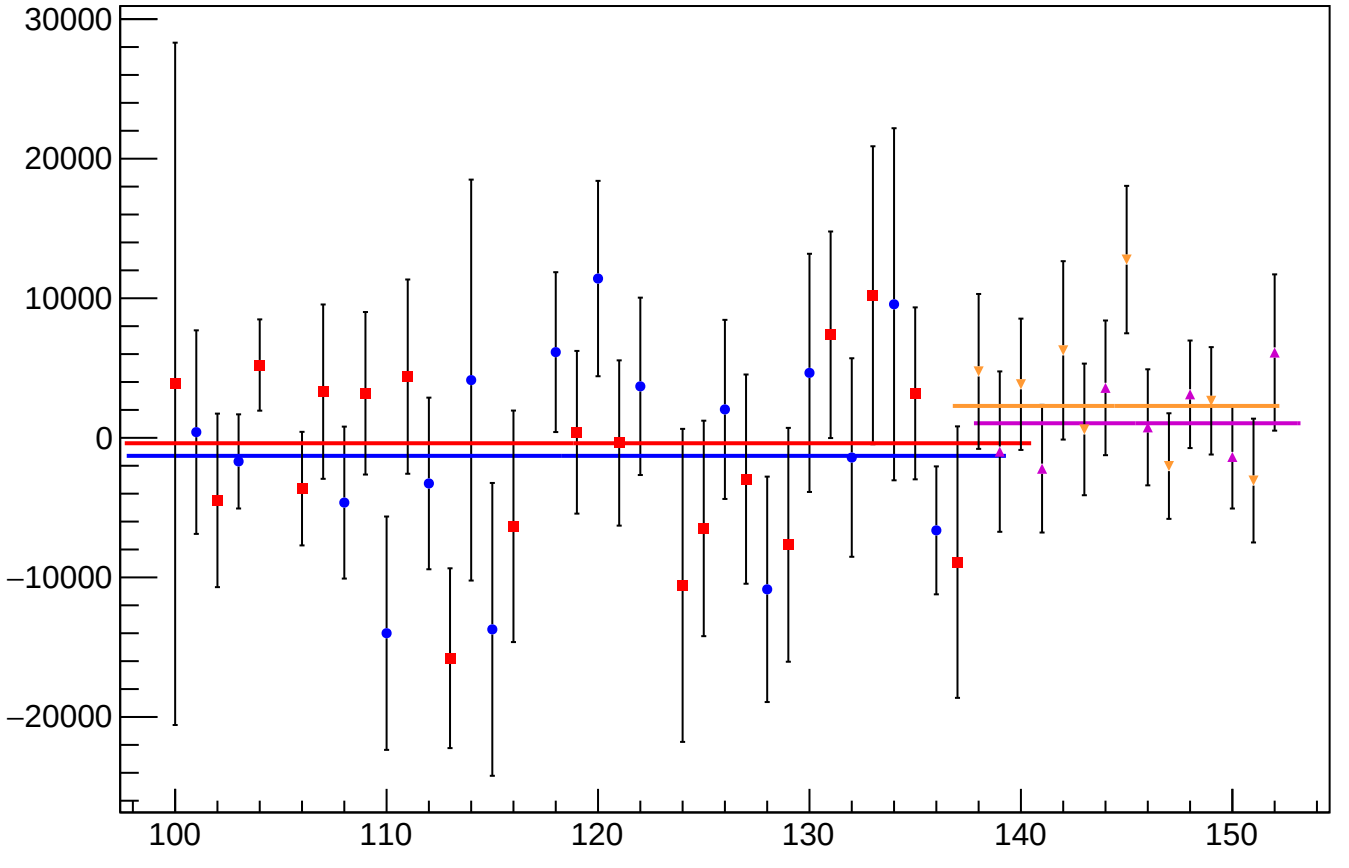
Left: 1871.073+/-0.377 χ^2/NDF: 26829.0/14

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1891.674+/-0.371 χ^2/NDF:714642.7/22

Out: 1890.440+/-0.366 χ^2/NDF:231348.8/26

All: 1891.049+/-0.260 χ^2/NDF: 945997.2/49



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 2285.490+/-1641.261 χ^2/NDF:7.5/7

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1044.594+/-1687.113 χ^2/NDF:2.4/6

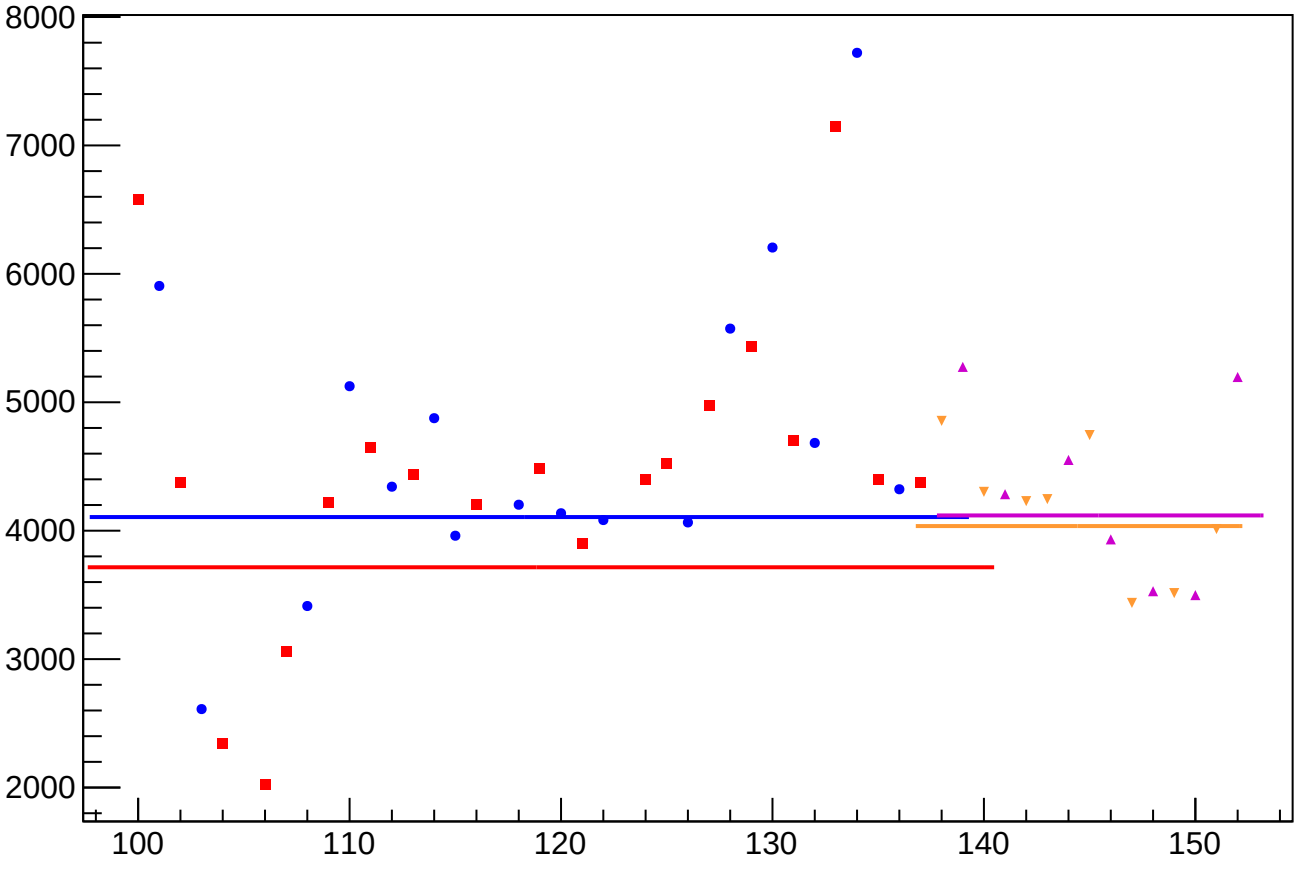
Left: 1682.133+/-1176.423 χ^2/NDF: 10.3/14

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -195.627+/-1155.346 χ^2/NDF:17.7/22

Out: 785.561+/-1087.308 χ^2/NDF:26.0/26

All: 324.707+/-791.804 χ^2/NDF: 44.1/49



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: 4118.861+/-1.193 χ^2/NDF:281093.3/6

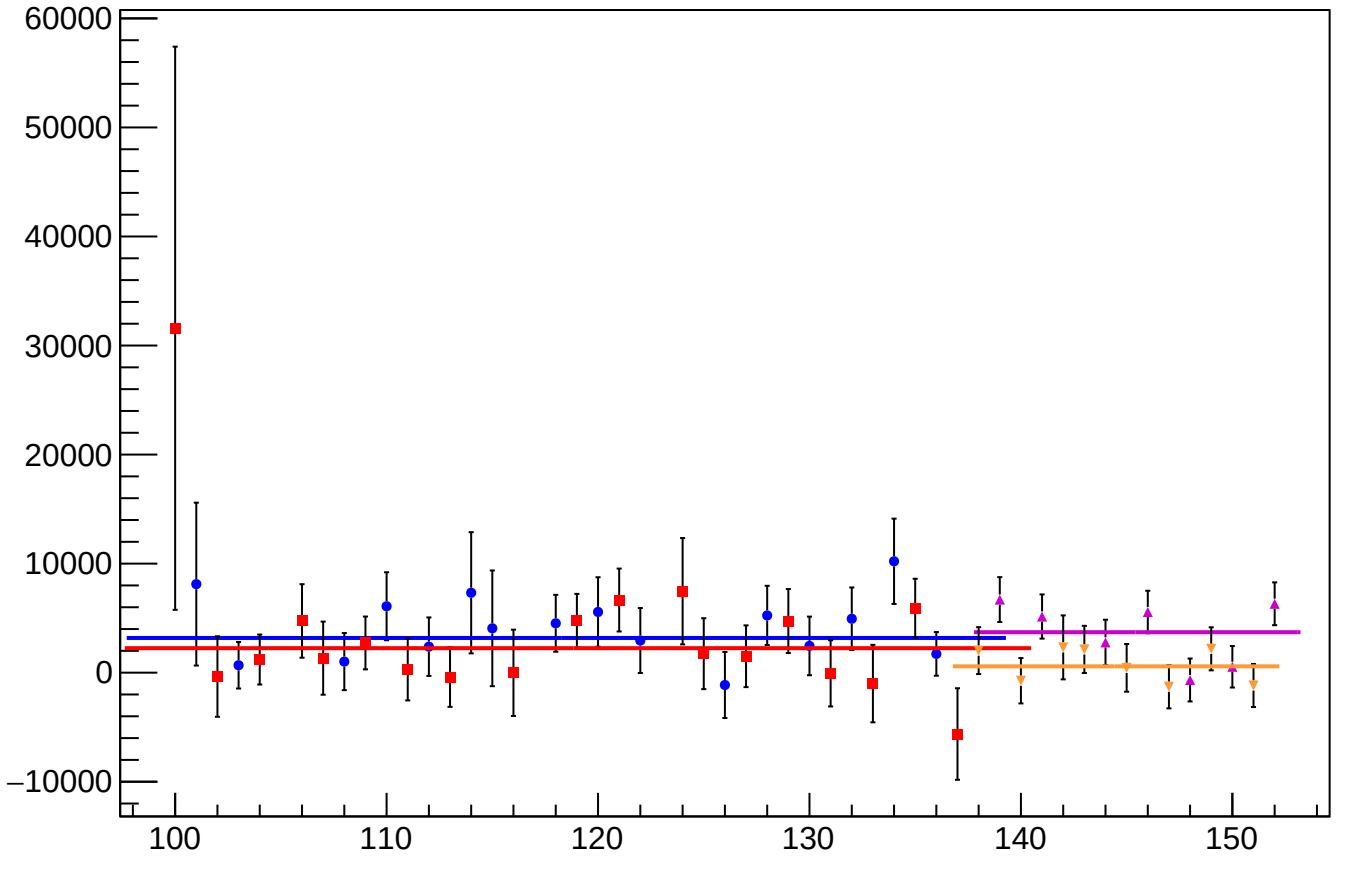
Left: 4076.299+/-0.832 χ^2/NDF: 462237.9/14

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4112.155+/-0.817 χ^2/NDF:1236784.0/22

Out: 3856.004+/-0.769 χ^2/NDF:1556646.4/26

All: 3976.315+/-0.560 χ^2/NDF: 2845565.5/49



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: 3710.615+/-751.798 χ^2/NDF:13.2/6

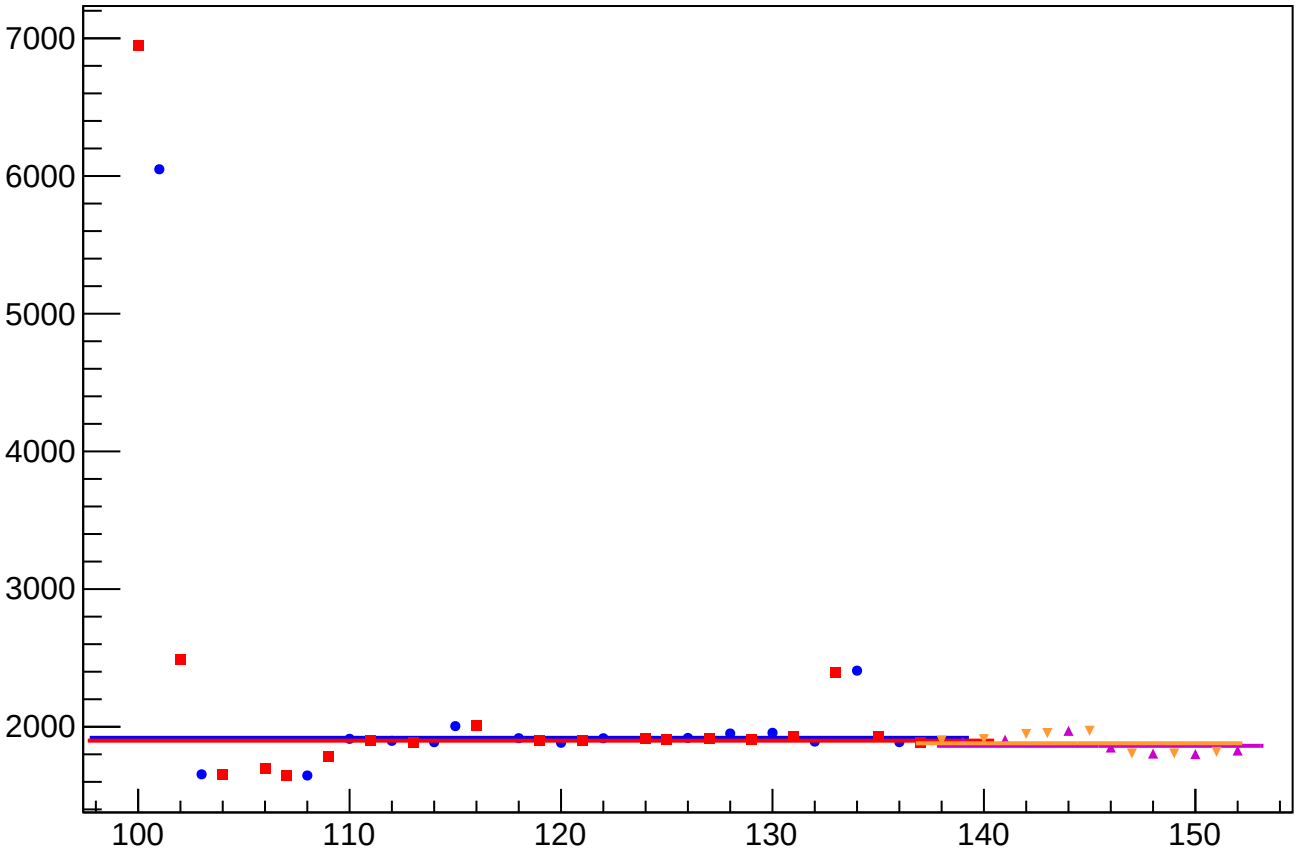
Left: 2153.158+/-532.909 χ^2/NDF: 25.9/14

Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3439.443+/-524.143 χ^2/NDF:25.2/22

Out: 1464.382+/-517.741 χ^2/NDF:23.2/26

All: 2439.778+/-368.341 χ^2/NDF: 55.5/49



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: 1861.908+/-0.532 χ^2/NDF:11211.3/6

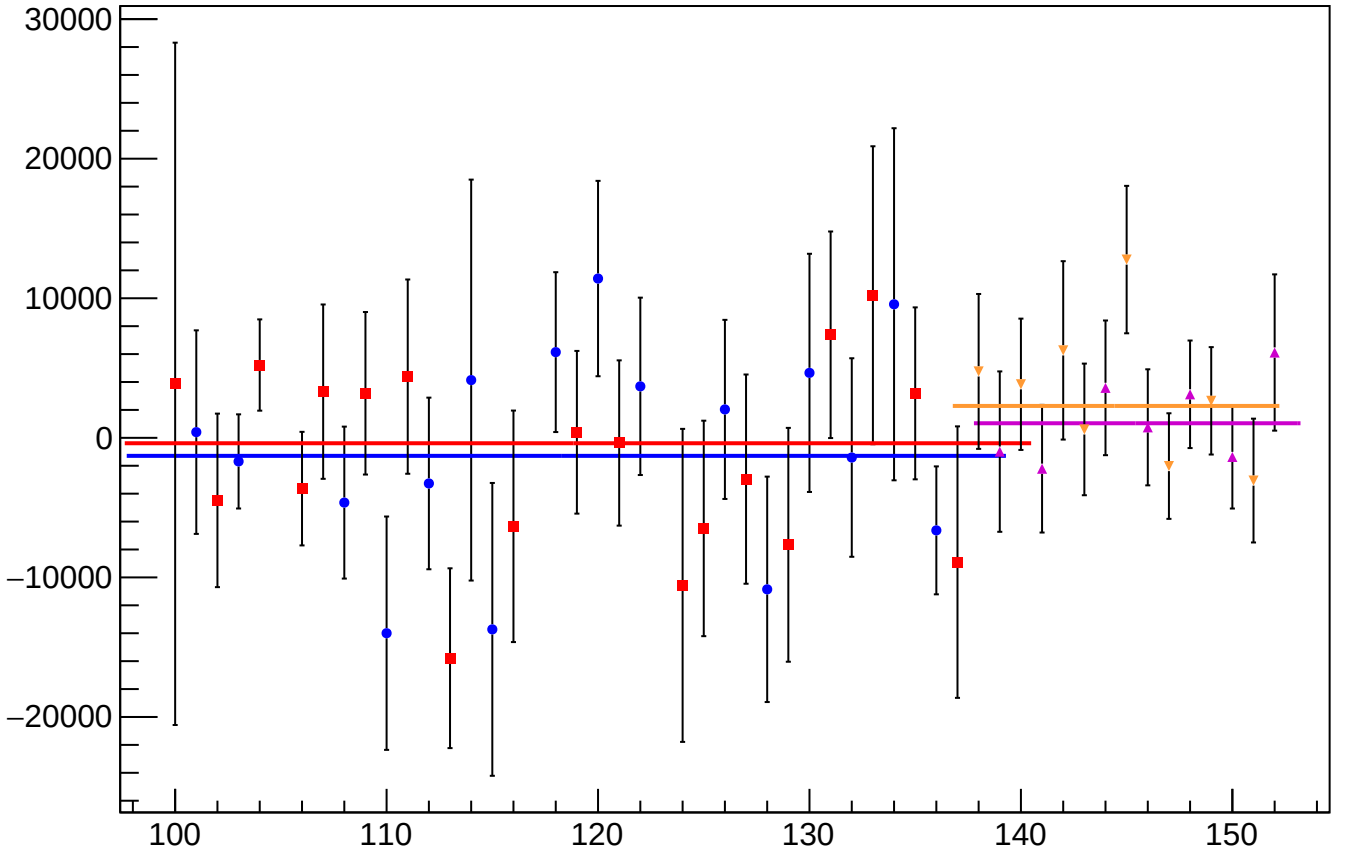
Left: 1871.073+/-0.377 χ^2/NDF: 26829.0/14

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1891.674+/-0.371 χ^2/NDF:714642.7/22

Out: 1890.440+/-0.366 χ^2/NDF:231348.8/26

All: 1891.049+/-0.260 χ^2/NDF: 945997.2/49



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 2285.490+/-1641.261 χ^2/NDF:7.5/7

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1044.594+/-1687.113 χ^2/NDF:2.4/6

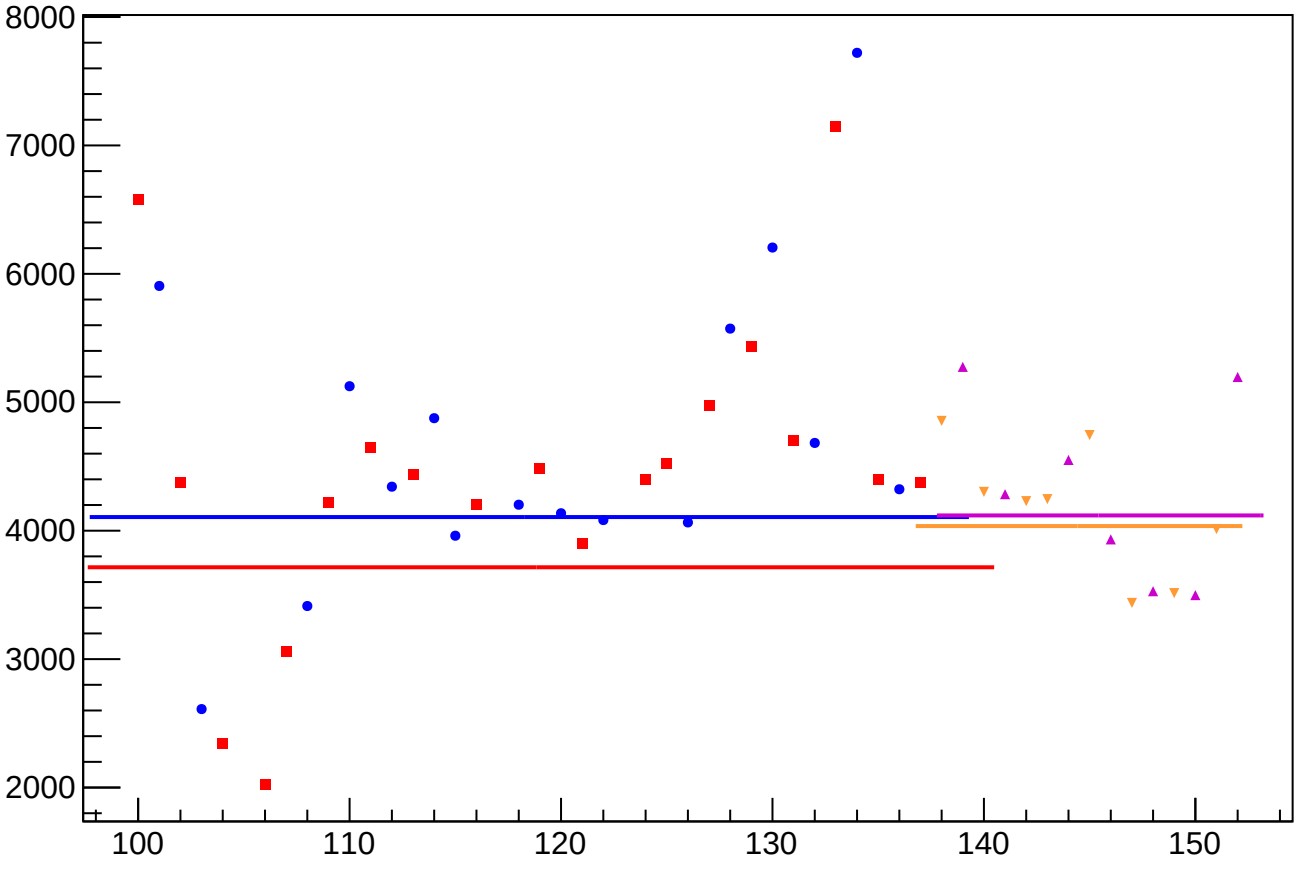
Left: 1682.133+/-1176.423 χ^2/NDF: 10.3/14

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -195.627+/-1155.346 χ^2/NDF:17.7/22

Out: 785.561+/-1087.308 χ^2/NDF:26.0/26

All: 324.707+/-791.804 χ^2/NDF: 44.1/49



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: 4118.861+/-1.193 χ^2/NDF:281093.3/6

Left: 4076.299+/-0.832 χ^2/NDF: 462237.9/14

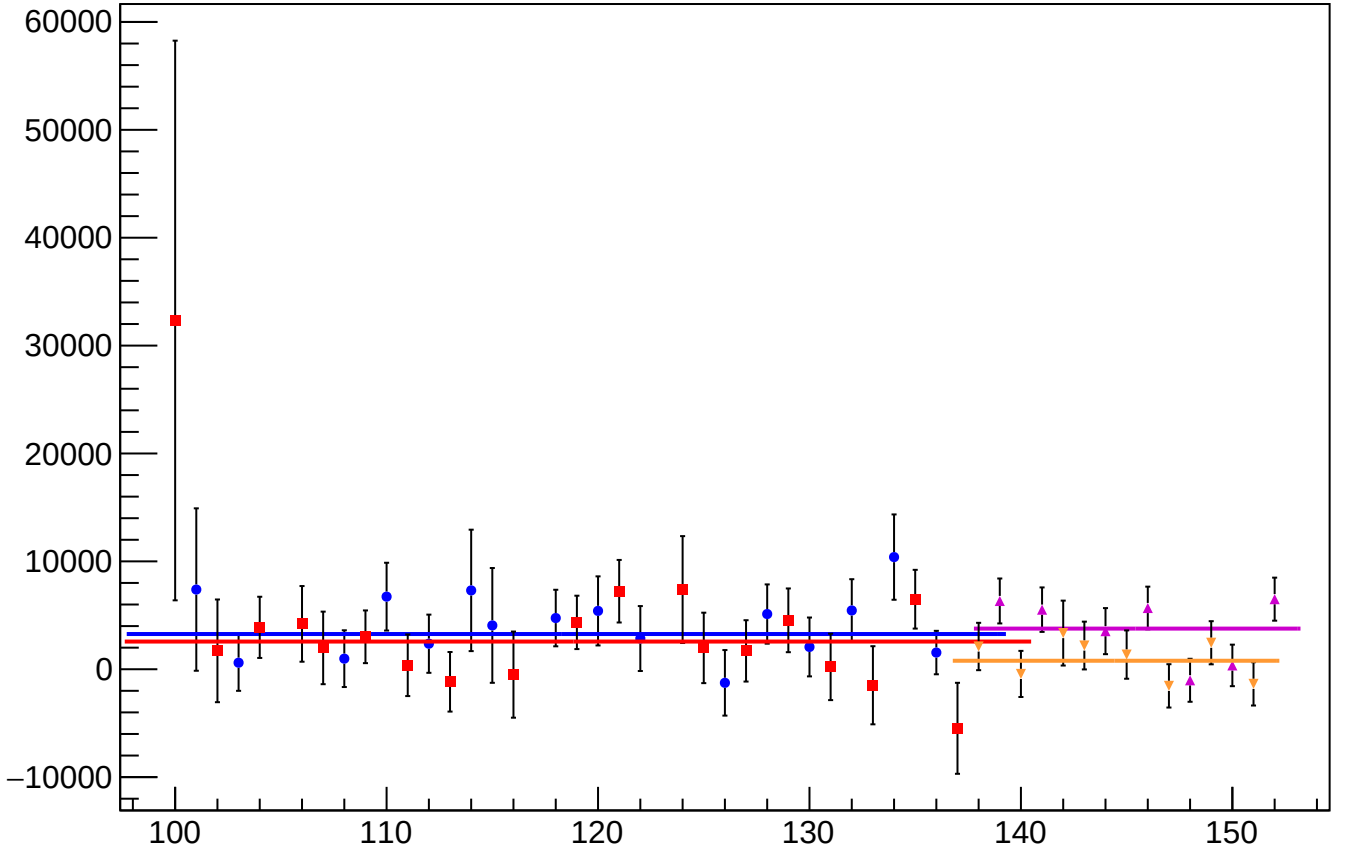
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4112.155+/-0.817 χ^2/NDF:1236784.0/22

Out: 3856.004+/-0.769 χ^2/NDF:1556646.4/26

All: 3976.315+/-0.560 χ^2/NDF: 2845565.5/49

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: 3767.058+/-763.830 χ^2/NDF:14.0/6

Left: 2289.205+/-542.289 χ^2/NDF: 26.6/14

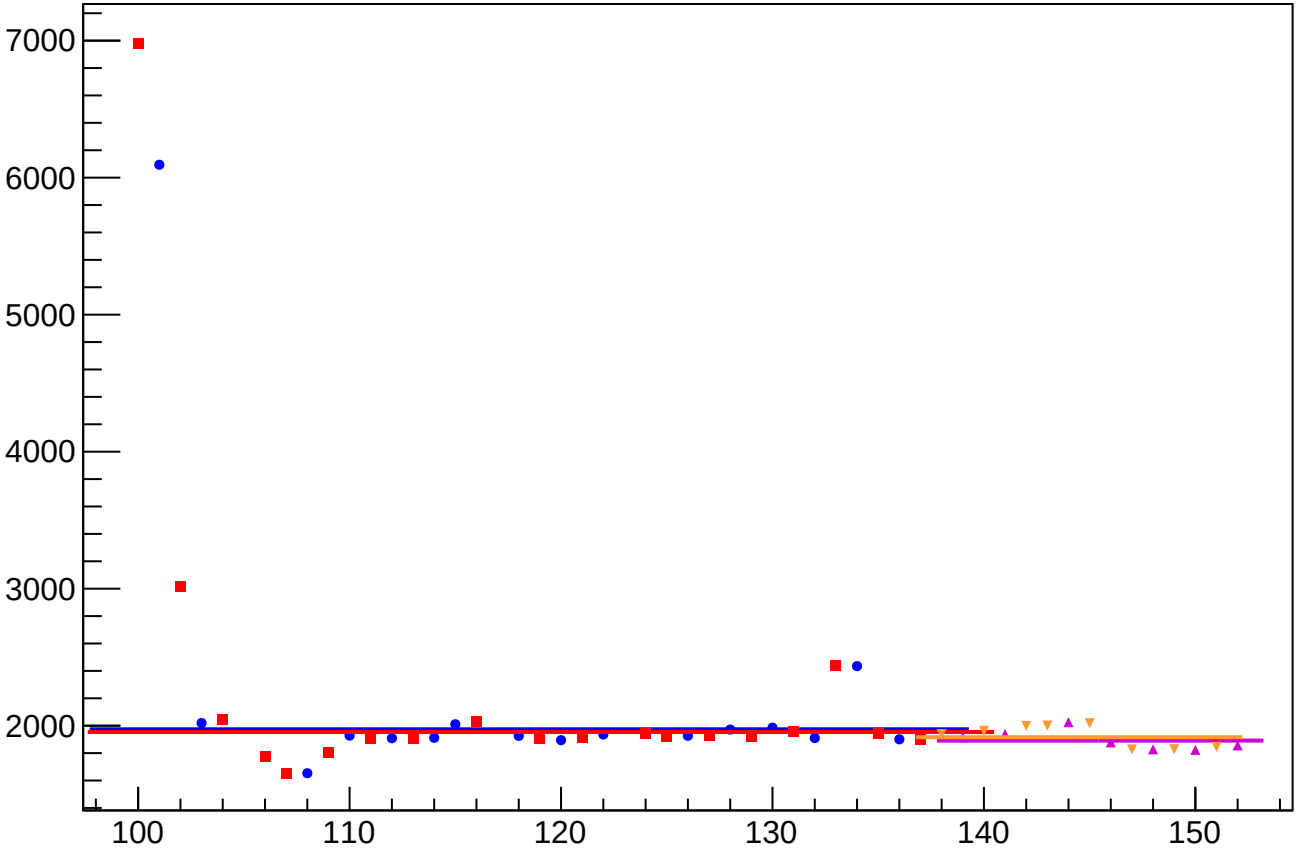
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3511.548+/-535.467 χ^2/NDF:26.4/22

Out: 1718.517+/-531.630 χ^2/NDF:24.9/26

All: 2608.585+/-377.268 χ^2/NDF: 56.9/49

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: 1891.401+/-0.540 χ^2/NDF:14519.2/6

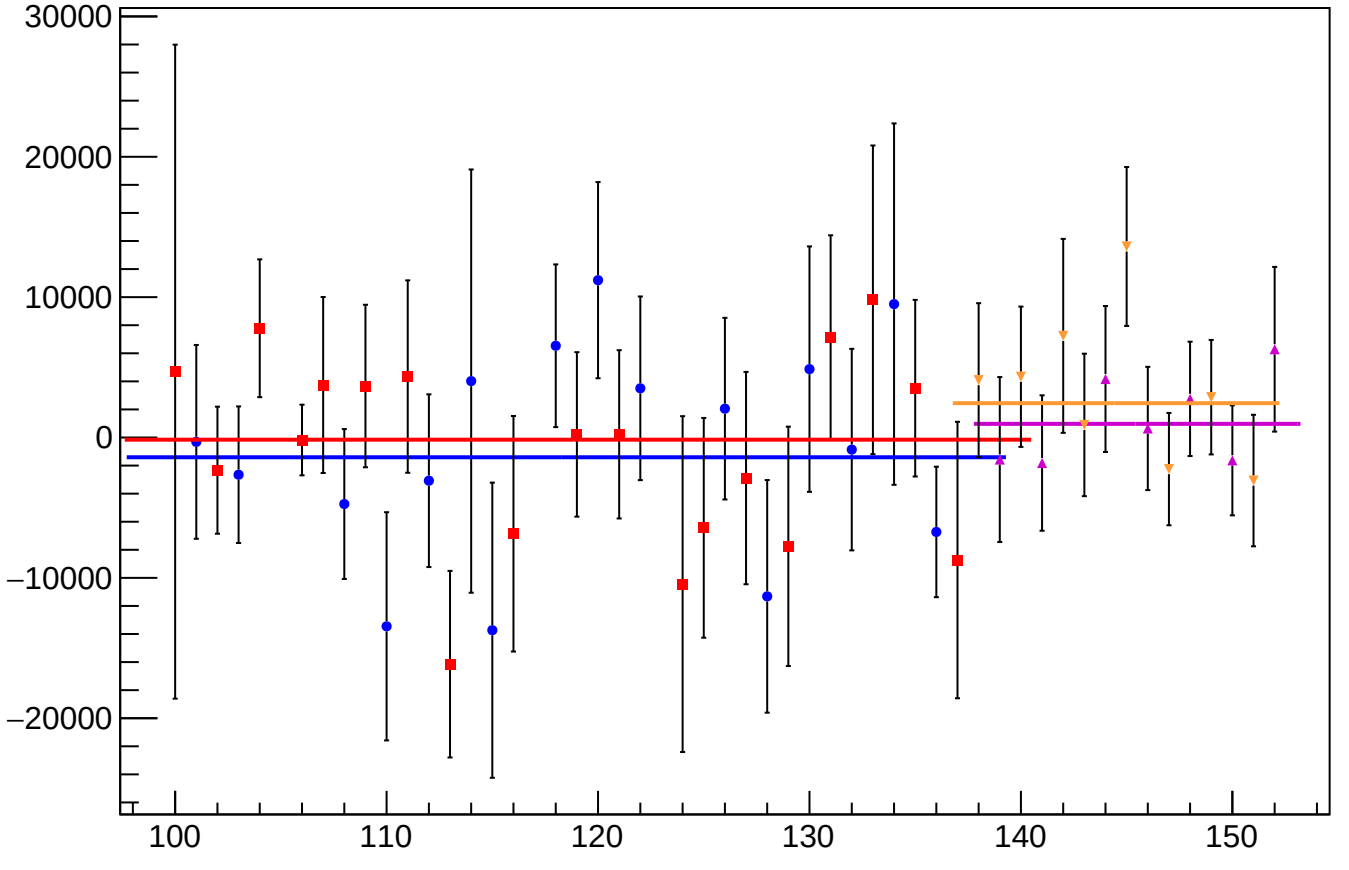
Left: 1903.610+/-0.383 χ^2/NDF: 35509.7/14

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1933.279+/-0.379 χ^2/NDF:691464.9/22

Out: 1936.090+/-0.376 χ^2/NDF:268766.2/26

All: 1934.695+/-0.267 χ^2/NDF: 960258.8/49



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: 973.088+/-1781.089 χ^2/NDF:2.4/6

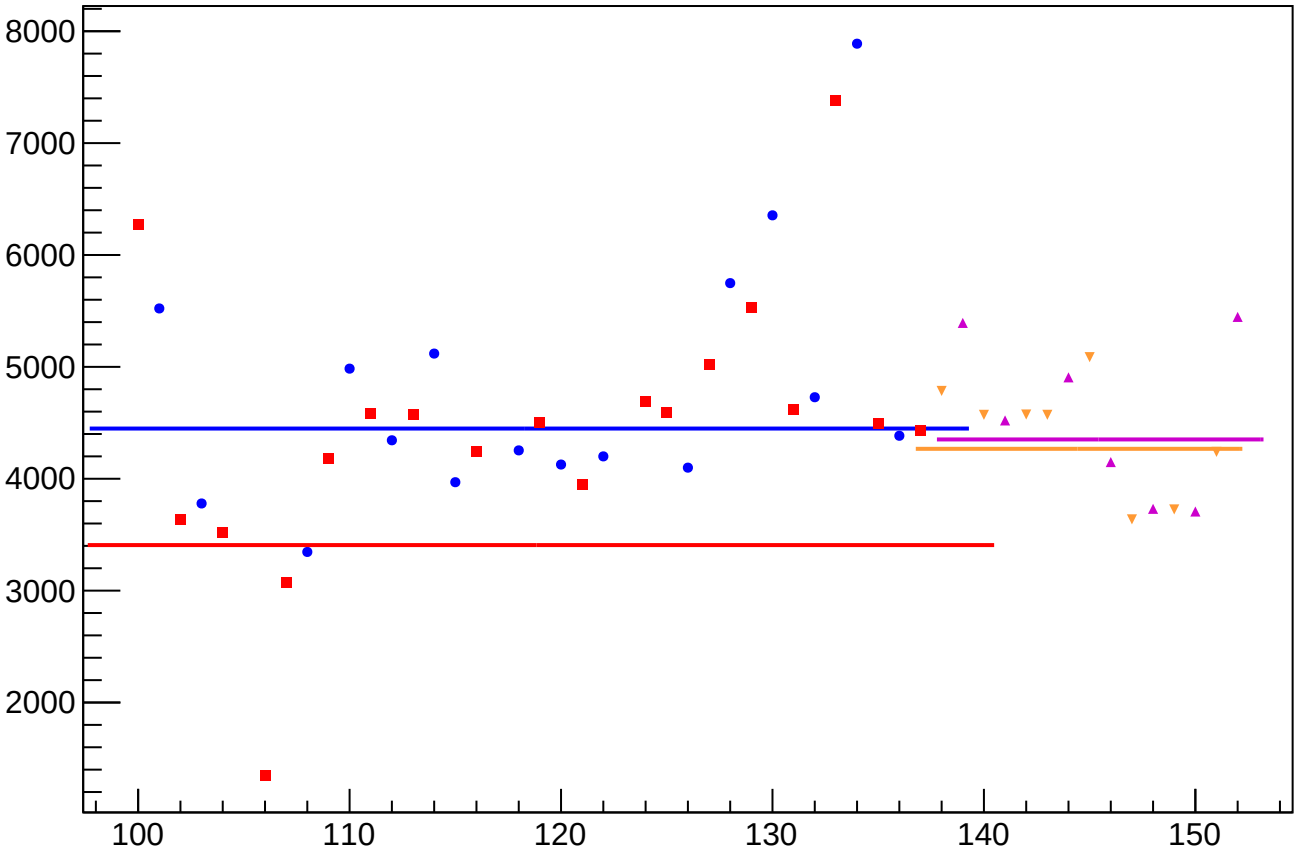
Left: 1728.893+/-1242.641 χ^2/NDF: 10.2/14

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -279.580+/-1225.944 χ^2/NDF:17.5/22

Out: 838.237+/-1072.023 χ^2/NDF:24.7/26

All: 353.867+/-807.001 χ^2/NDF: 42.7/49



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: 4351.394+/-1.259 χ^2/NDF:262439.9/6

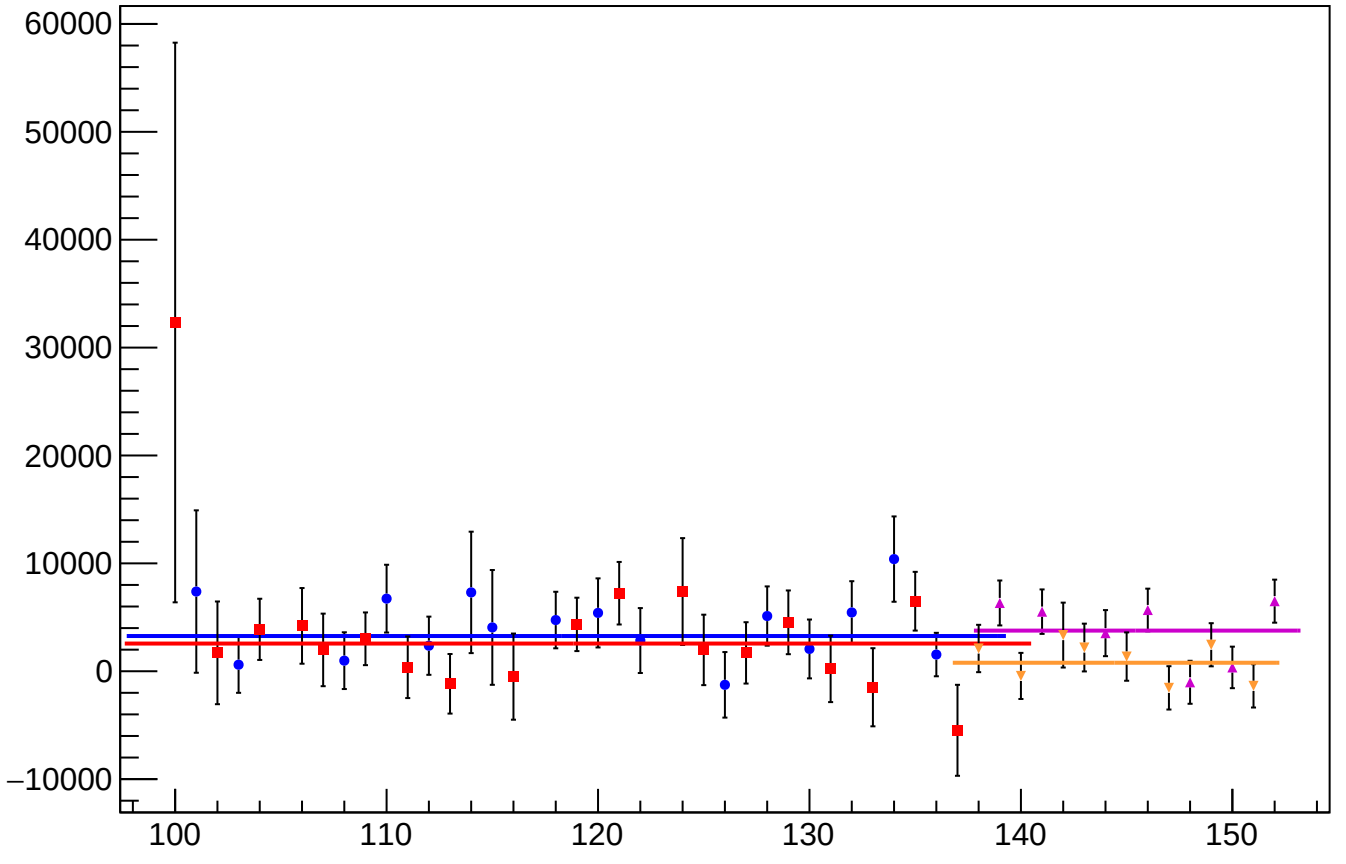
Left: 4308.343+/-0.879 χ^2/NDF: 427903.5/14

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4402.605+/-0.867 χ^2/NDF:760195.4/22

Out: 3735.772+/-0.758 χ^2/NDF:2793369.2/26

All: 4024.723+/-0.571 χ^2/NDF: 3888887.1/49



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: 3767.054+/-763.830 χ^2/NDF:14.0/6

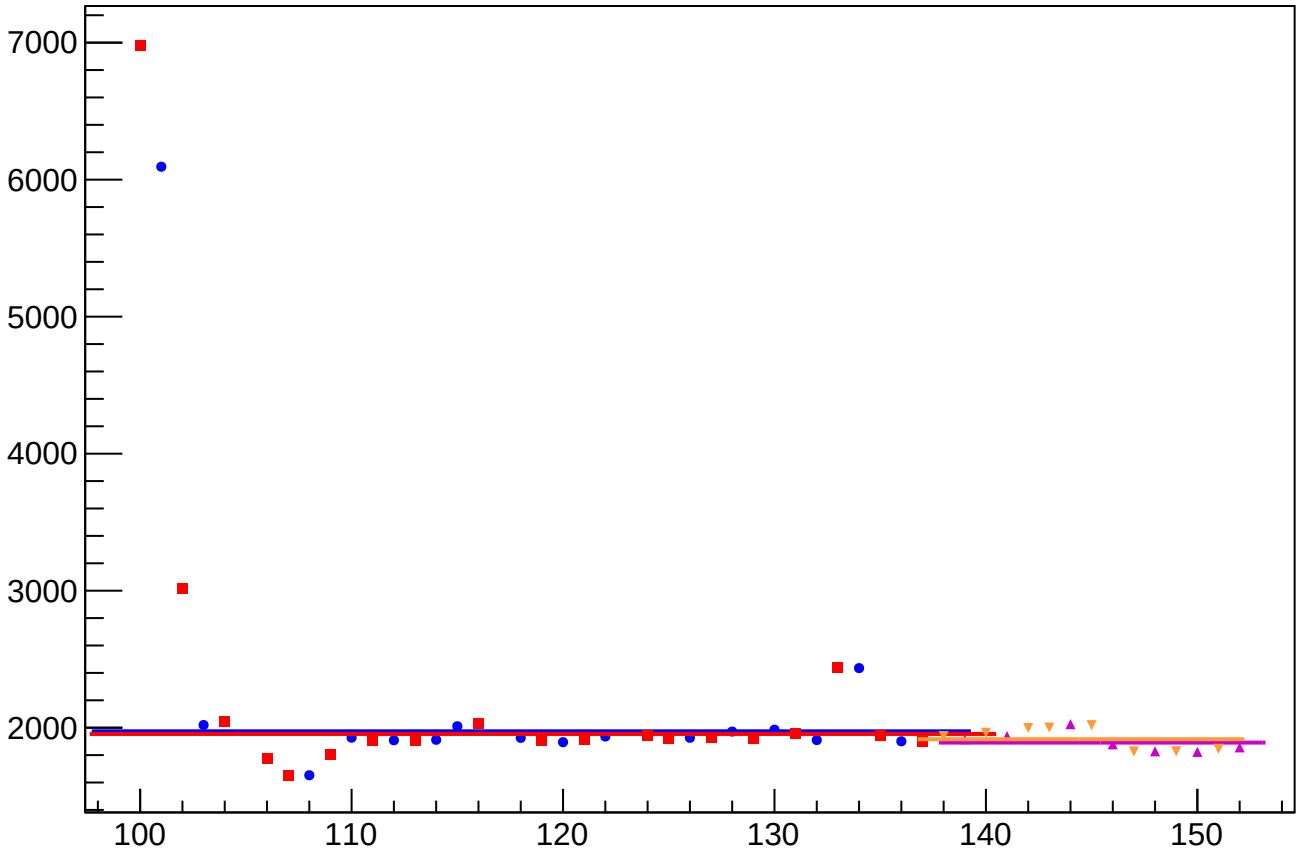
Left: 2289.204+/-542.289 χ^2/NDF: 26.6/14

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3511.549+/-535.467 χ^2/NDF:26.4/22

Out: 1718.521+/-531.630 χ^2/NDF:24.9/26

All: 2608.587+/-377.268 χ^2/NDF: 56.9/49



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: 1891.402+/-0.540 χ^2/NDF:14519.1/6

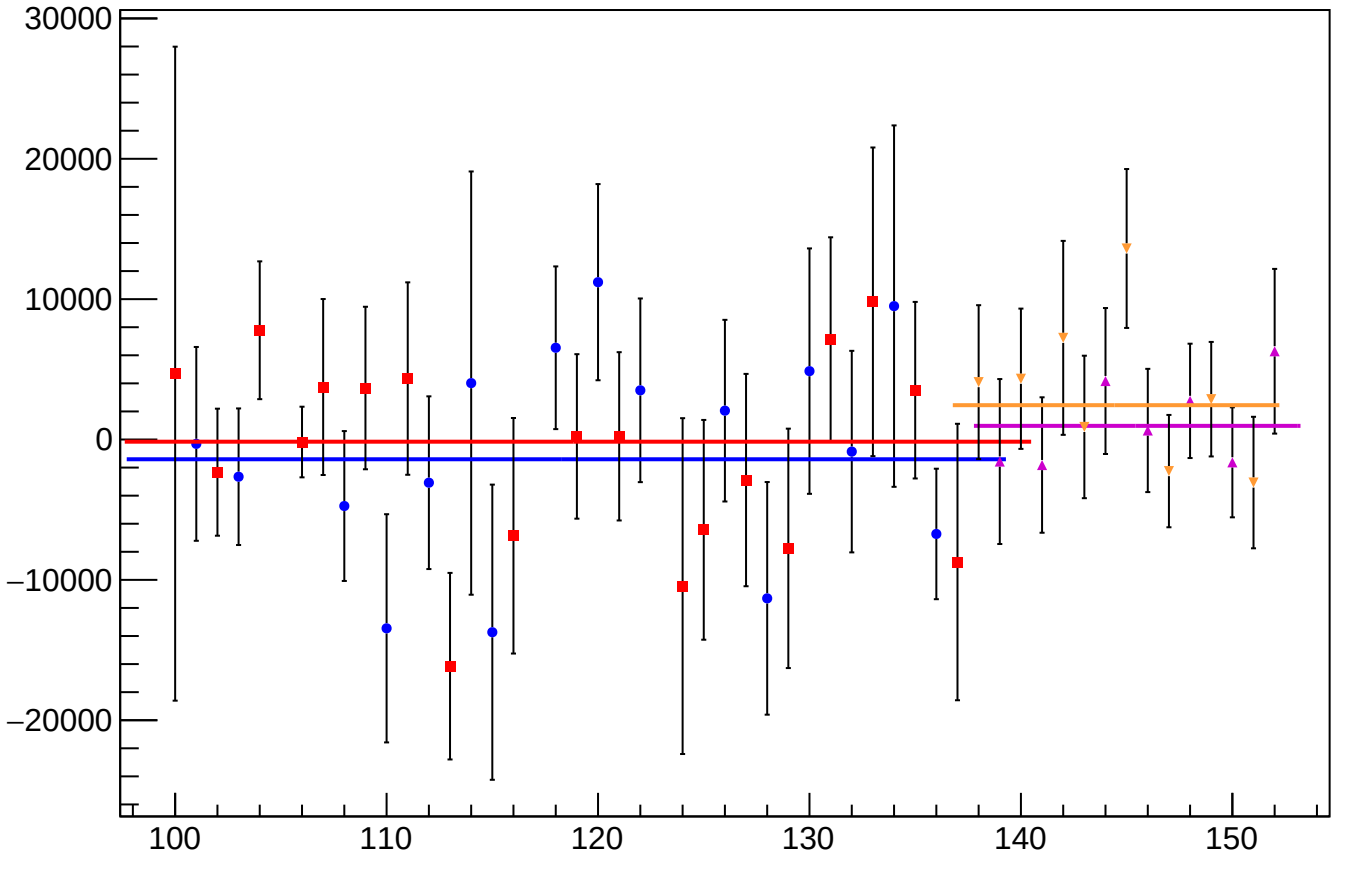
Left: 1903.610+/-0.383 χ^2/NDF: 35509.8/14

Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1933.280+/-0.379 χ^2/NDF:691464.6/22

Out: 1936.090+/-0.376 χ^2/NDF:268765.6/26

All: 1934.695+/-0.267 χ^2/NDF: 960257.9/49



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: 973.085+/-1781.091 χ^2/NDF:2.4/6

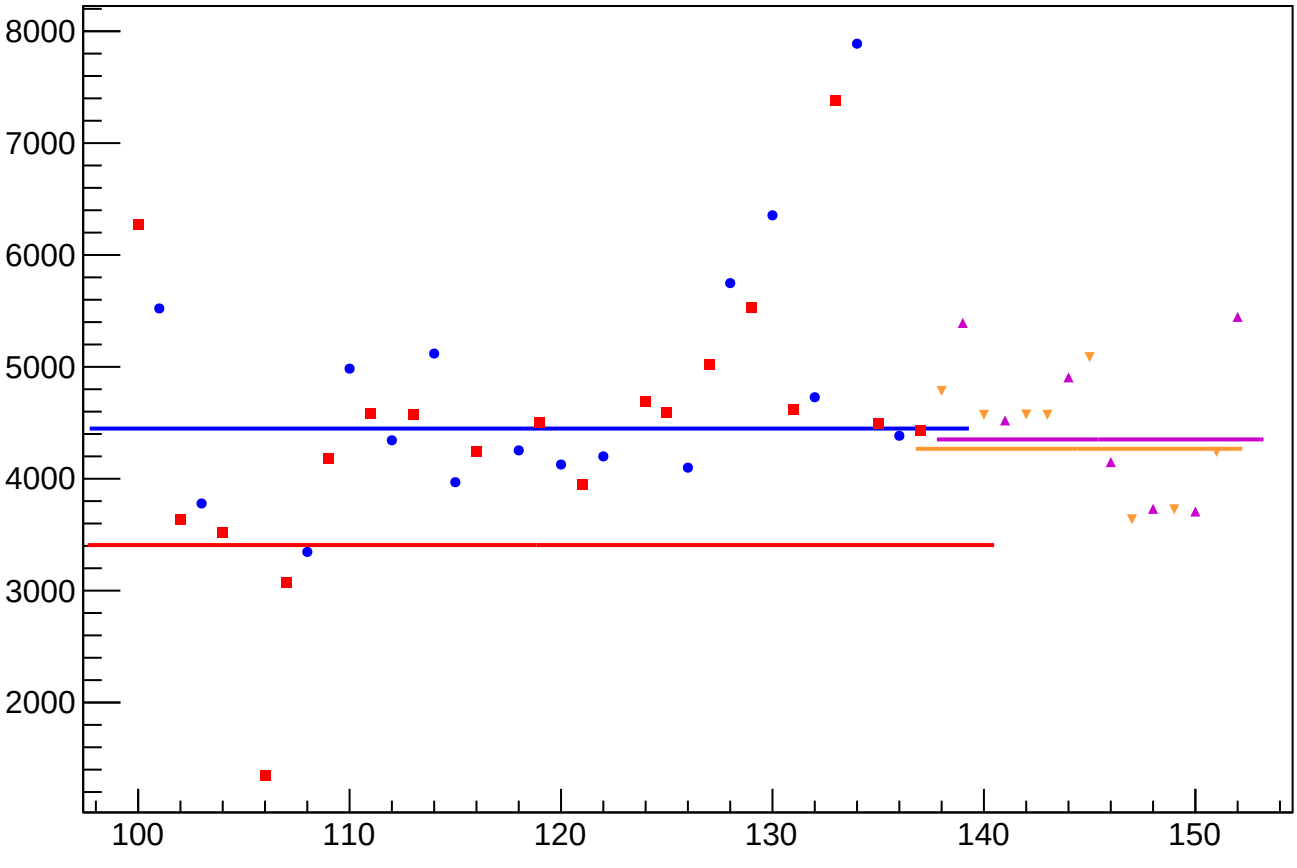
Left: 1728.891+/-1242.642 χ^2/NDF: 10.2/14

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -279.576+/-1225.943 χ^2/NDF:17.5/22

Out: 838.232+/-1072.022 χ^2/NDF:24.7/26

All: 353.866+/-807.000 χ^2/NDF: 42.7/49



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: 4351.401+/-1.259 χ^2/NDF:262438.3/6

Left: 4308.350+/-0.879 χ^2/NDF: 427901.8/14

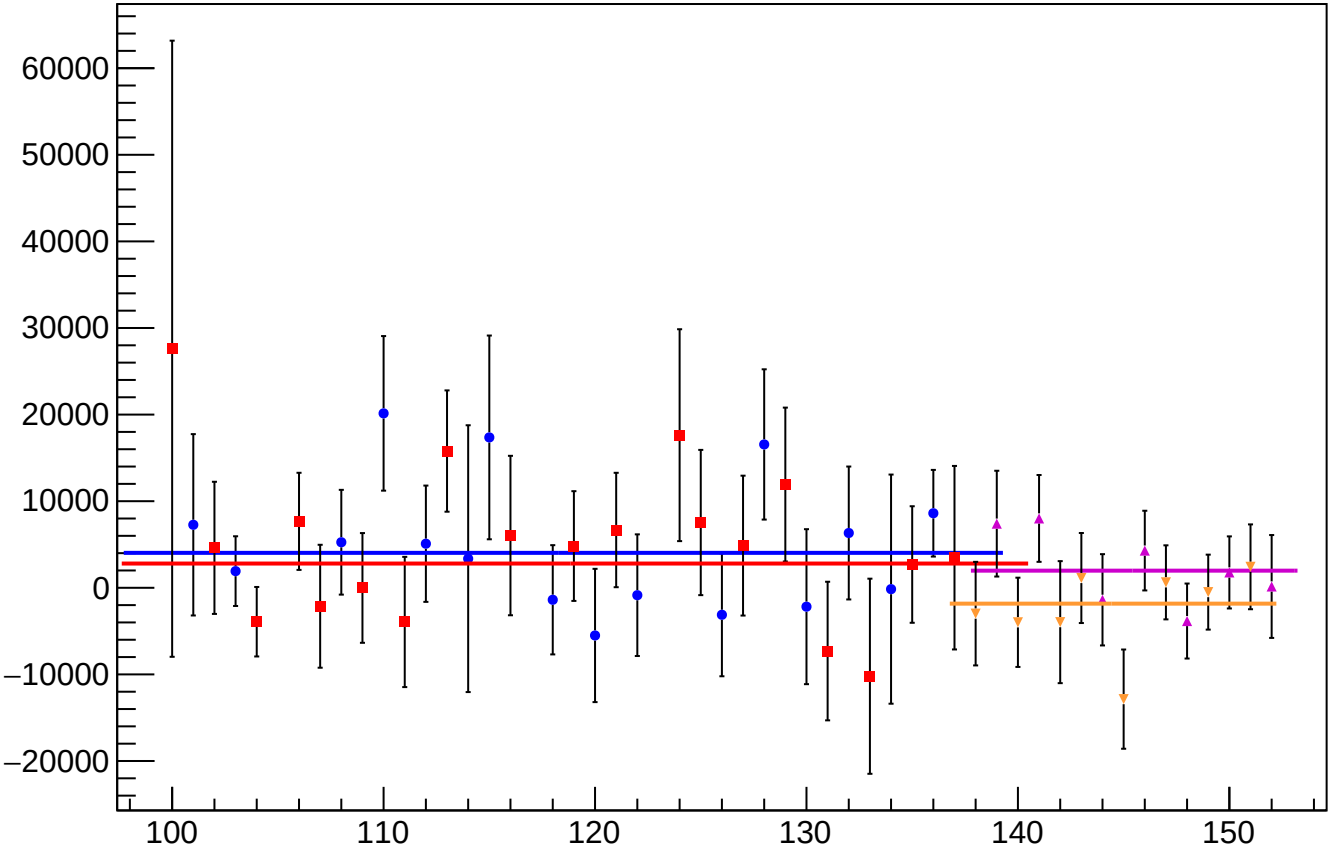
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4402.604+/-0.867 χ^2/NDF:760190.0/22

Out: 3735.768+/-0.758 χ^2/NDF:2793383.1/26

All: 4024.720+/-0.571 χ^2/NDF: 3888899.4/49

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: 1978.693+/-1859.335 χ^2/NDF:4.8/6

Left: 29.783+/-1299.383 χ^2/NDF: 12.5/14

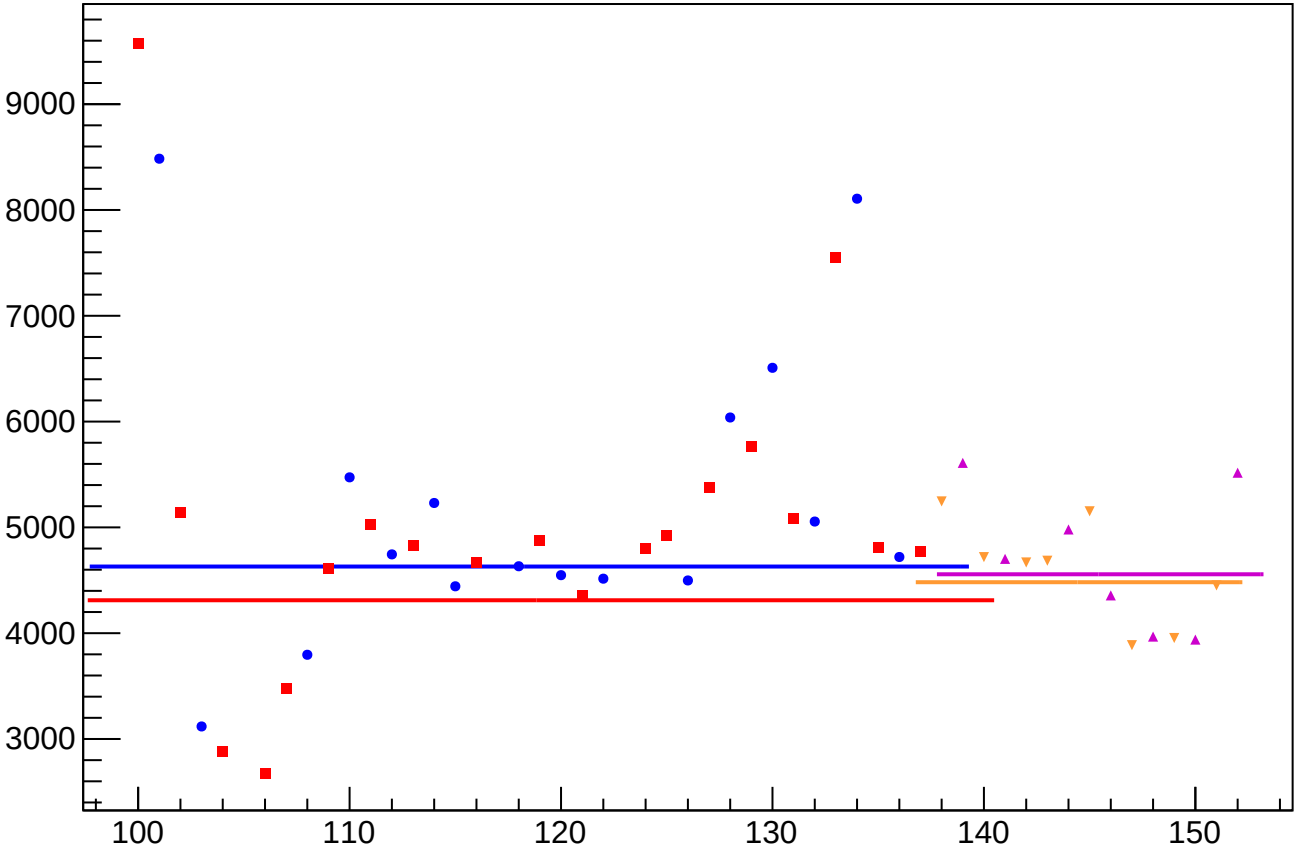
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 3050.258+/-1286.547 χ^2/NDF:17.8/22

Out: 676.792+/-1230.188 χ^2/NDF:24.5/26

All: 1810.402+/-889.131 χ^2/NDF: 44.0/49

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: 4556.836+/-1.315 χ^2/NDF:211069.8/6

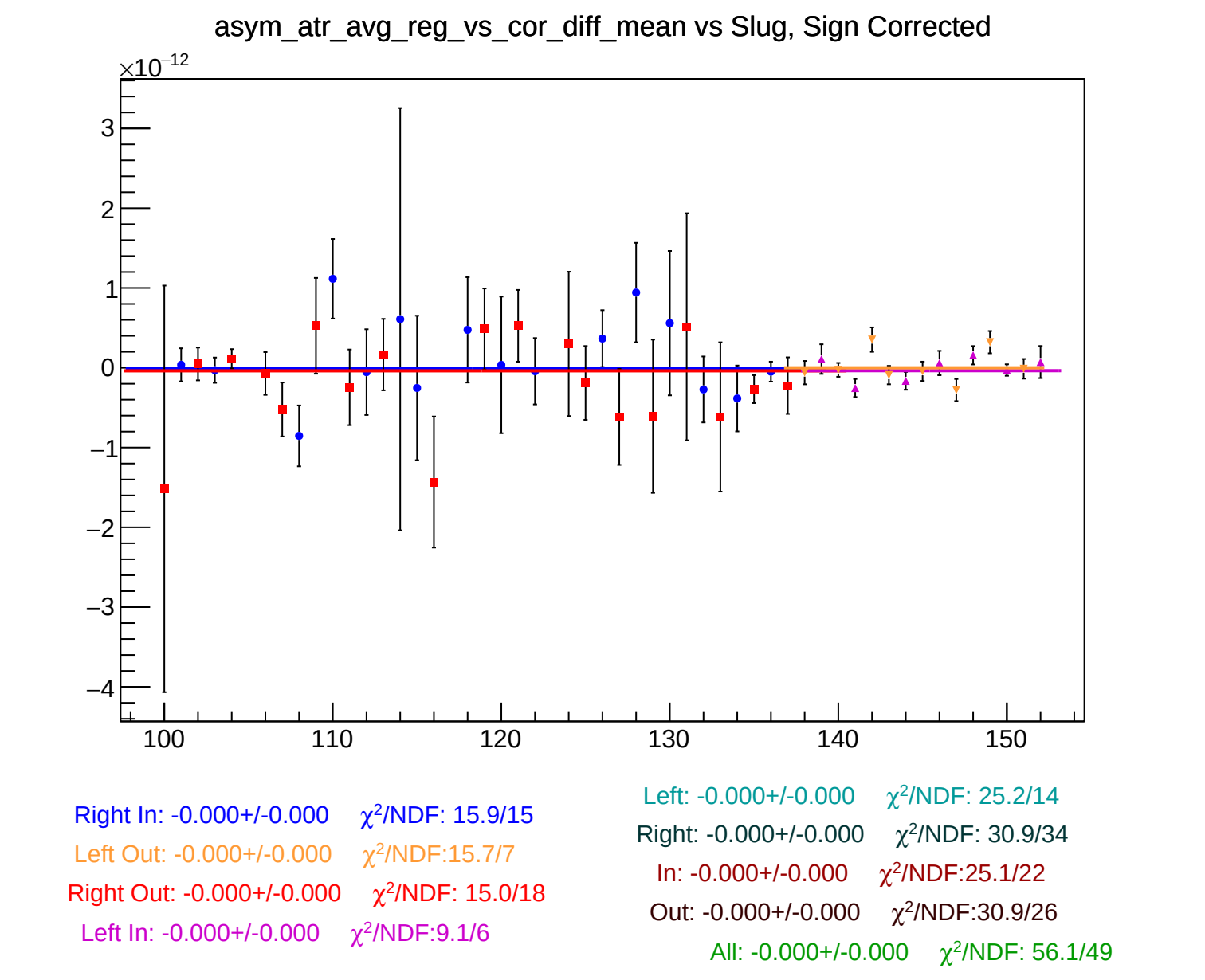
Left: 4518.447+/-0.919 χ^2/NDF: 349948.3/14

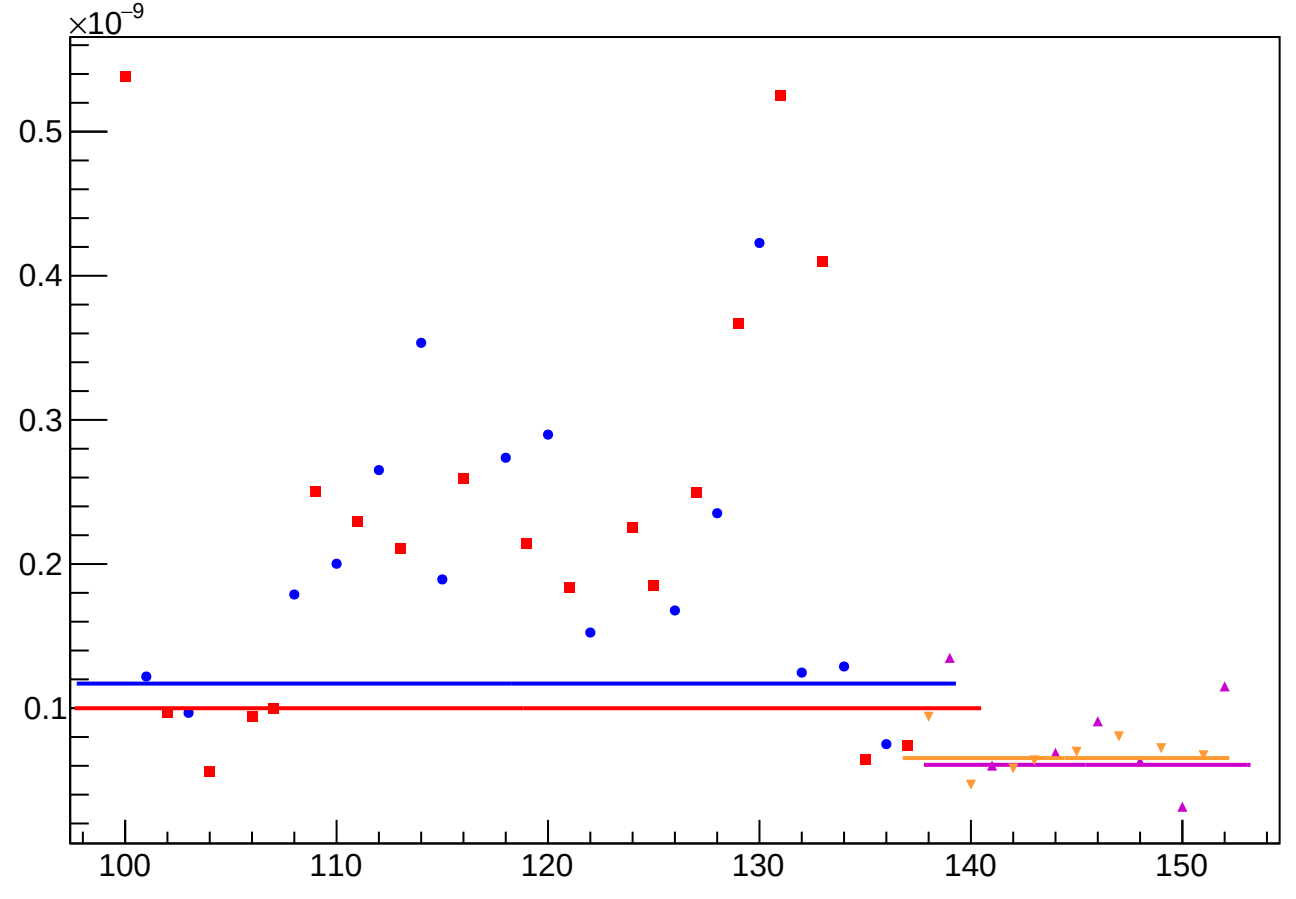
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4594.953+/-0.910 χ^2/NDF:1112928.8/22

Out: 4388.709+/-0.866 χ^2/NDF:1051573.3/26

All: 4486.729+/-0.627 χ^2/NDF: 2191472.5/49


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:9.1/6
Left: -0.000+/-0.000 χ²/NDF: 25.2/14
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:25.1/22
Out: -0.000+/-0.000 χ²/NDF:30.9/26
All: -0.000+/-0.000 χ²/NDF: 56.1/49



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:884285.0/6

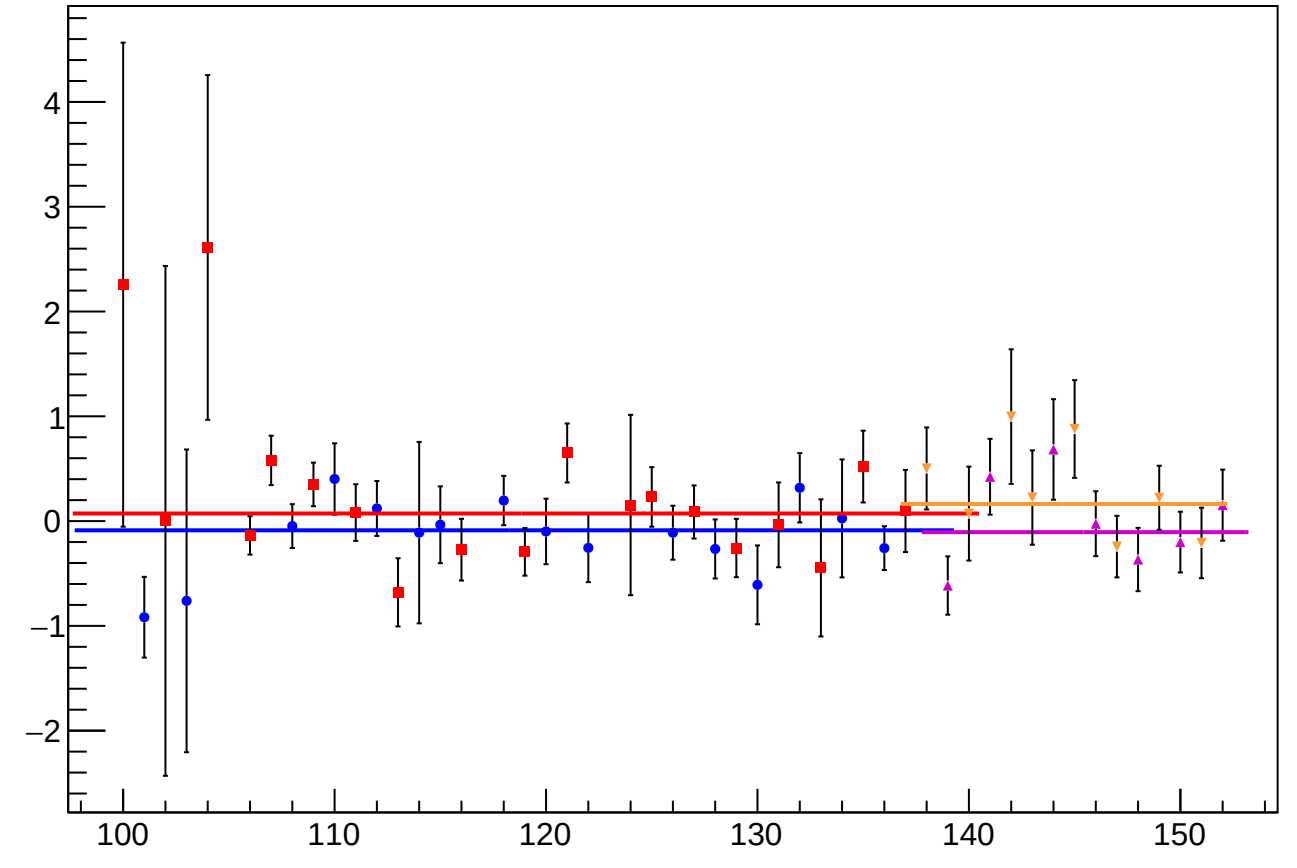
Left: 0.000+/-0.000 χ^2/NDF: 1100054.8/14

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:2821641.9/22

Out: 0.000+/-0.000 χ^2/NDF:2382324.7/26

All: 0.000+/-0.000 χ^2/NDF: 5204091.8/49



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: -0.106+/-0.122 χ^2/NDF:9.7/6

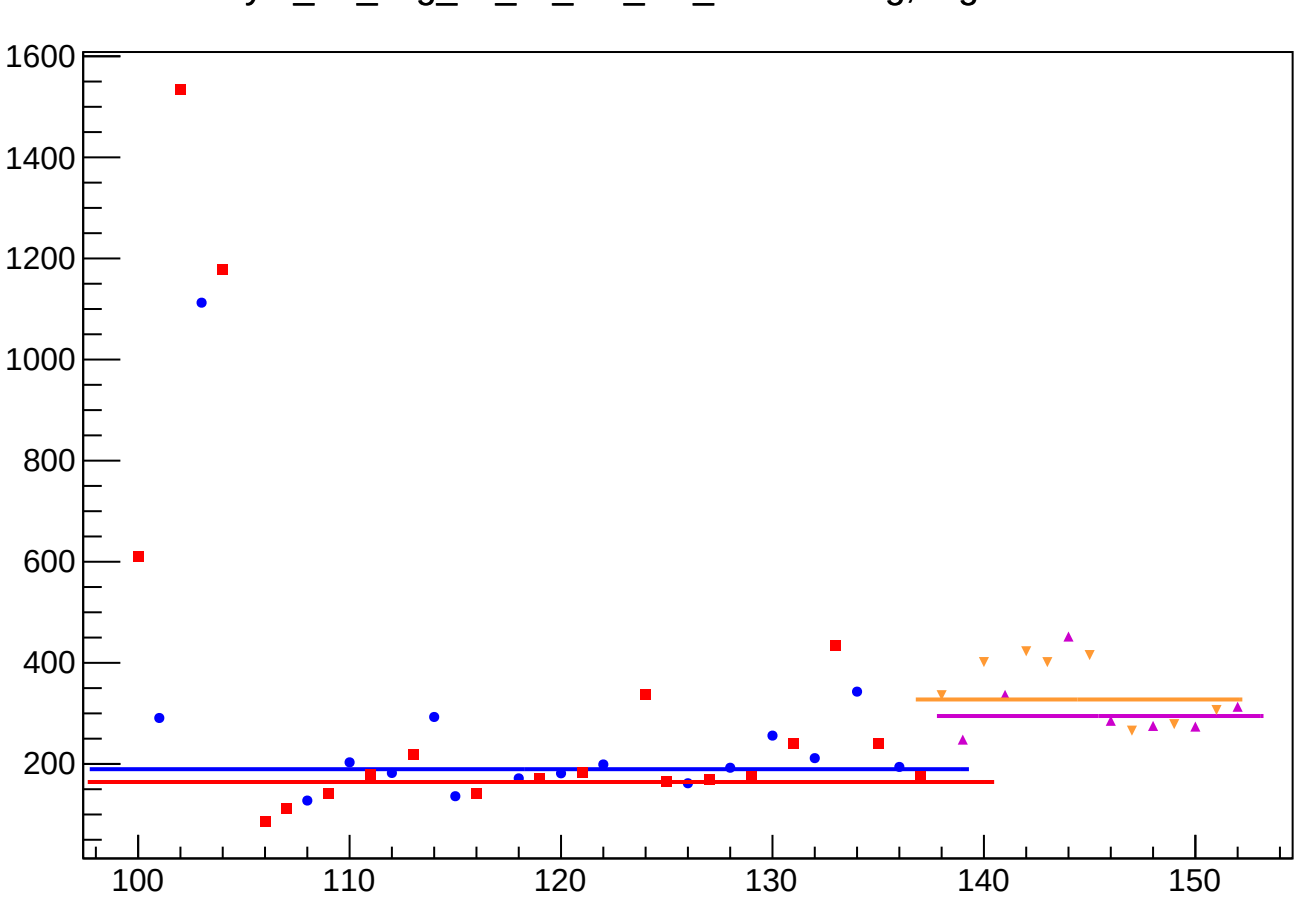
Left: 0.015+/-0.091 χ^2/NDF: 19.9/14

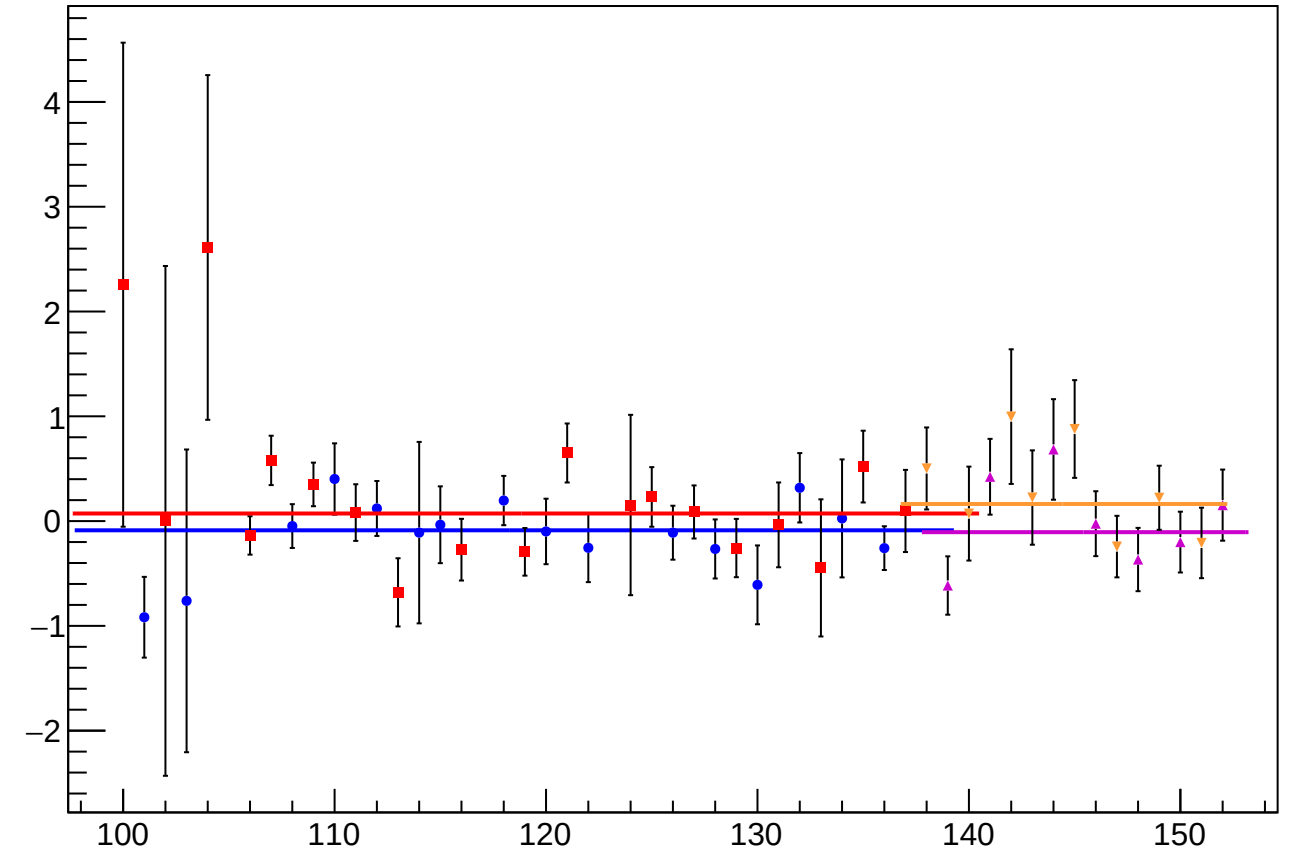
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.093+/-0.065 χ^2/NDF:23.6/22

Out: 0.092+/-0.062 χ^2/NDF:37.0/26

All: 0.003+/-0.045 χ^2/NDF: 64.8/49


asym_atr_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
Right In: 189.628+/-0.054 χ²/NDF: 1465476.9/15
Left Out: 327.528+/-0.096 χ²/NDF:371220.1/7
Right Out: 164.287+/-0.050 χ²/NDF: 2643490.2/18
Left In: 294.817+/-0.086 χ²/NDF:324158.3/6
Left: 309.524+/-0.064 χ²/NDF: 759677.8/14
Right: 175.794+/-0.037 χ²/NDF: 4227942.3/34
In: 219.349+/-0.046 χ²/NDF:2850583.3/22
Out: 198.748+/-0.044 χ²/NDF:5309934.8/26
All: 208.589+/-0.032 χ²/NDF: 8265369.3/49



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: -0.106+/-0.122 χ^2/NDF:9.7/6

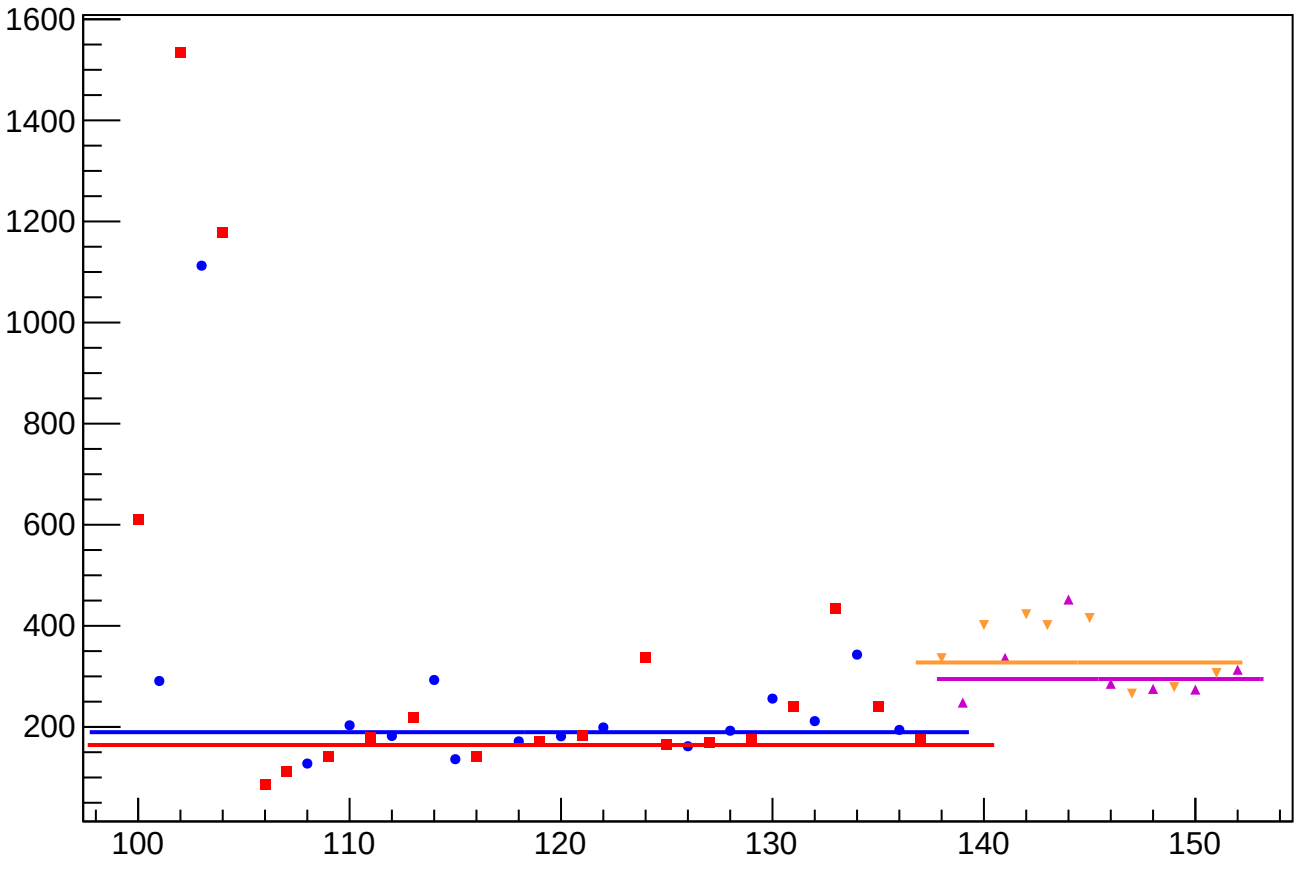
Left: 0.015+/-0.091 χ^2/NDF: 19.9/14

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.093+/-0.065 χ^2/NDF:23.6/22

Out: 0.092+/-0.062 χ^2/NDF:37.0/26

All: 0.003+/-0.045 χ^2/NDF: 64.8/49



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: 294.817+/-0.086 χ^2/NDF:324158.3/6

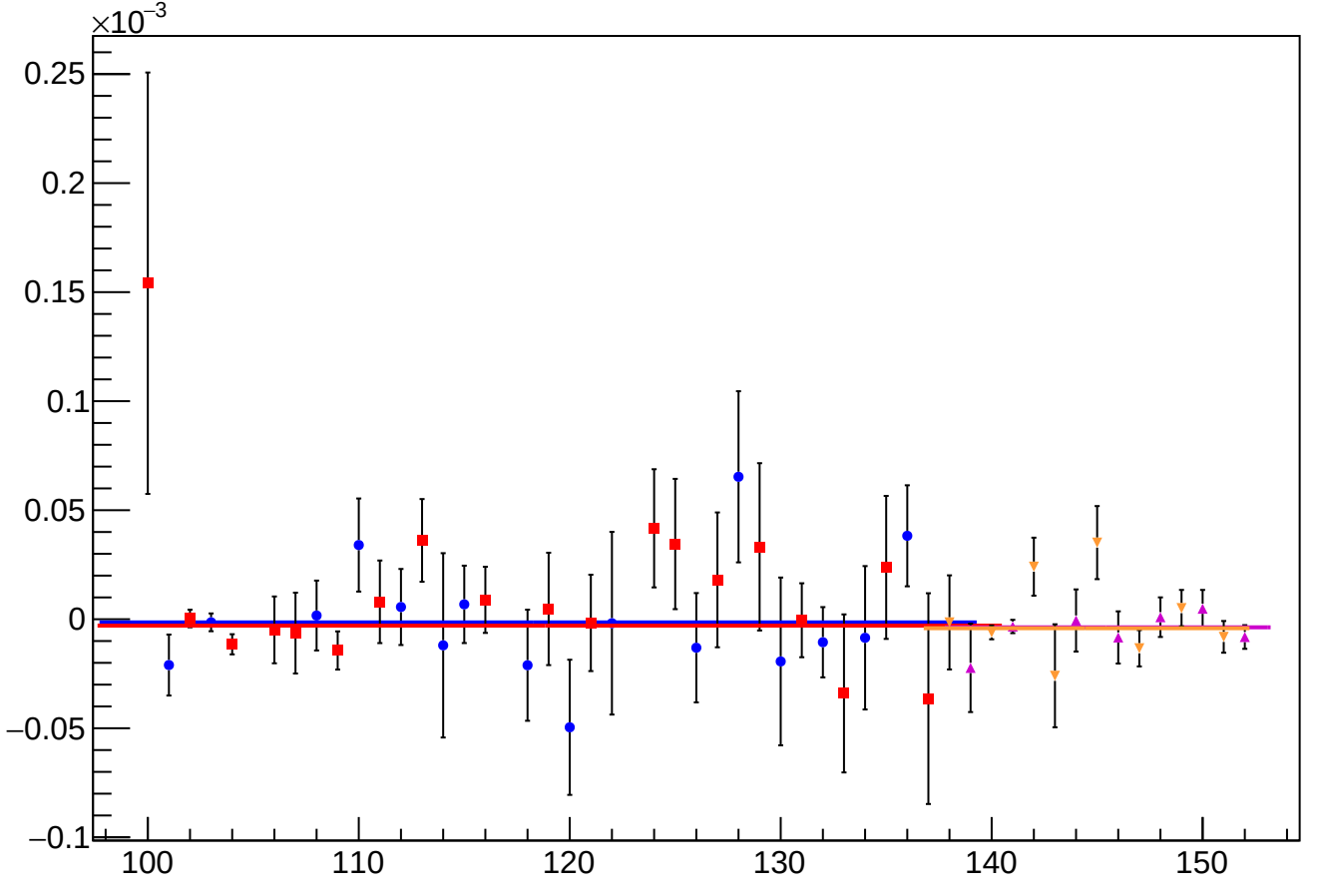
Left: 309.524+/-0.064 χ^2/NDF: 759677.8/14

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 219.349+/-0.046 χ^2/NDF:2850583.3/22

Out: 198.748+/-0.044 χ^2/NDF:5309934.8/26

All: 208.589+/-0.032 χ^2/NDF: 8265369.3/49



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:3.0/6

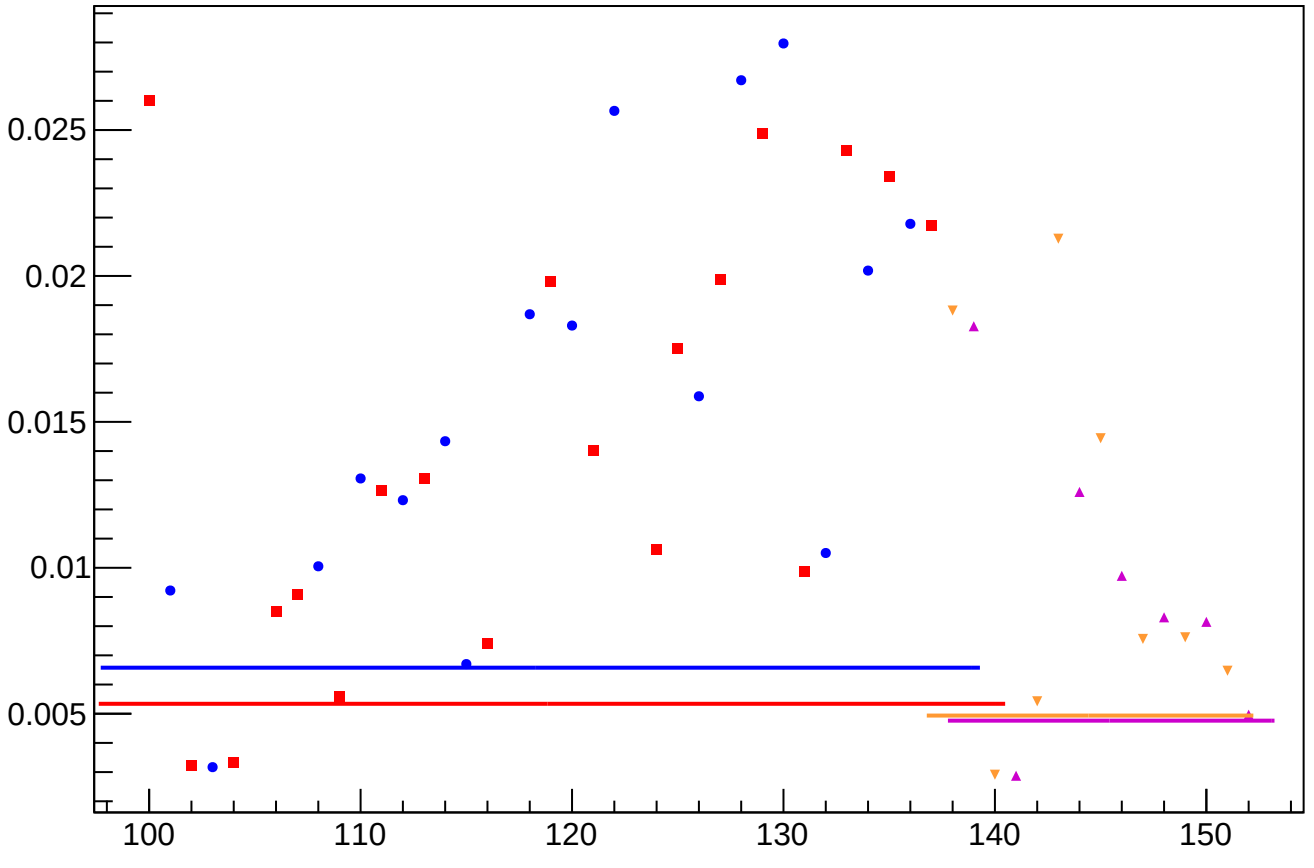
Left: -0.000+/-0.000 χ^2/NDF: 17.0/14

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:18.1/22

Out: -0.000+/-0.000 χ^2/NDF:35.4/26

All: -0.000+/-0.000 χ^2/NDF: 53.5/49



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:3215692.6/6

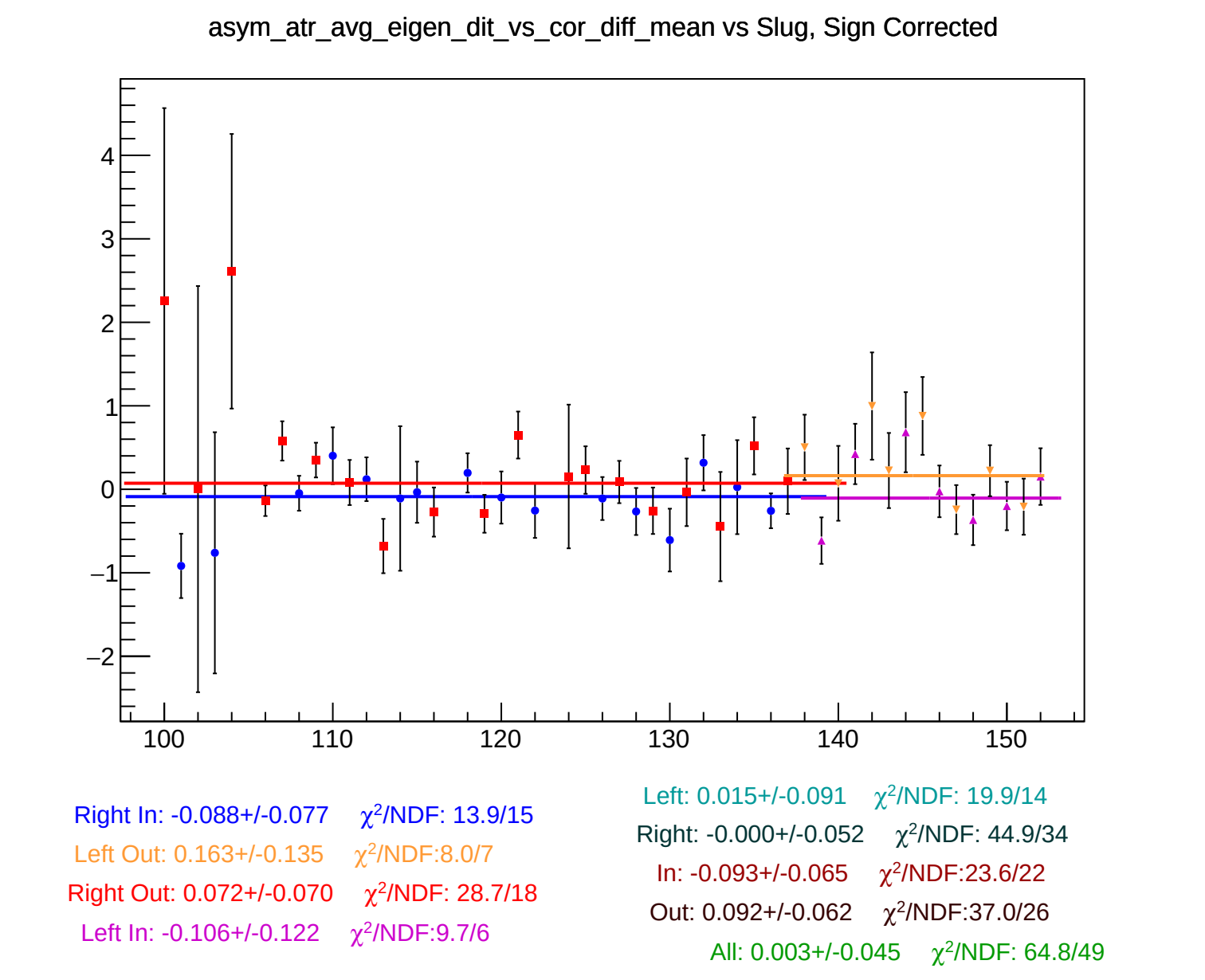
Left: 0.005+/-0.000 χ^2/NDF: 6961928.7/14

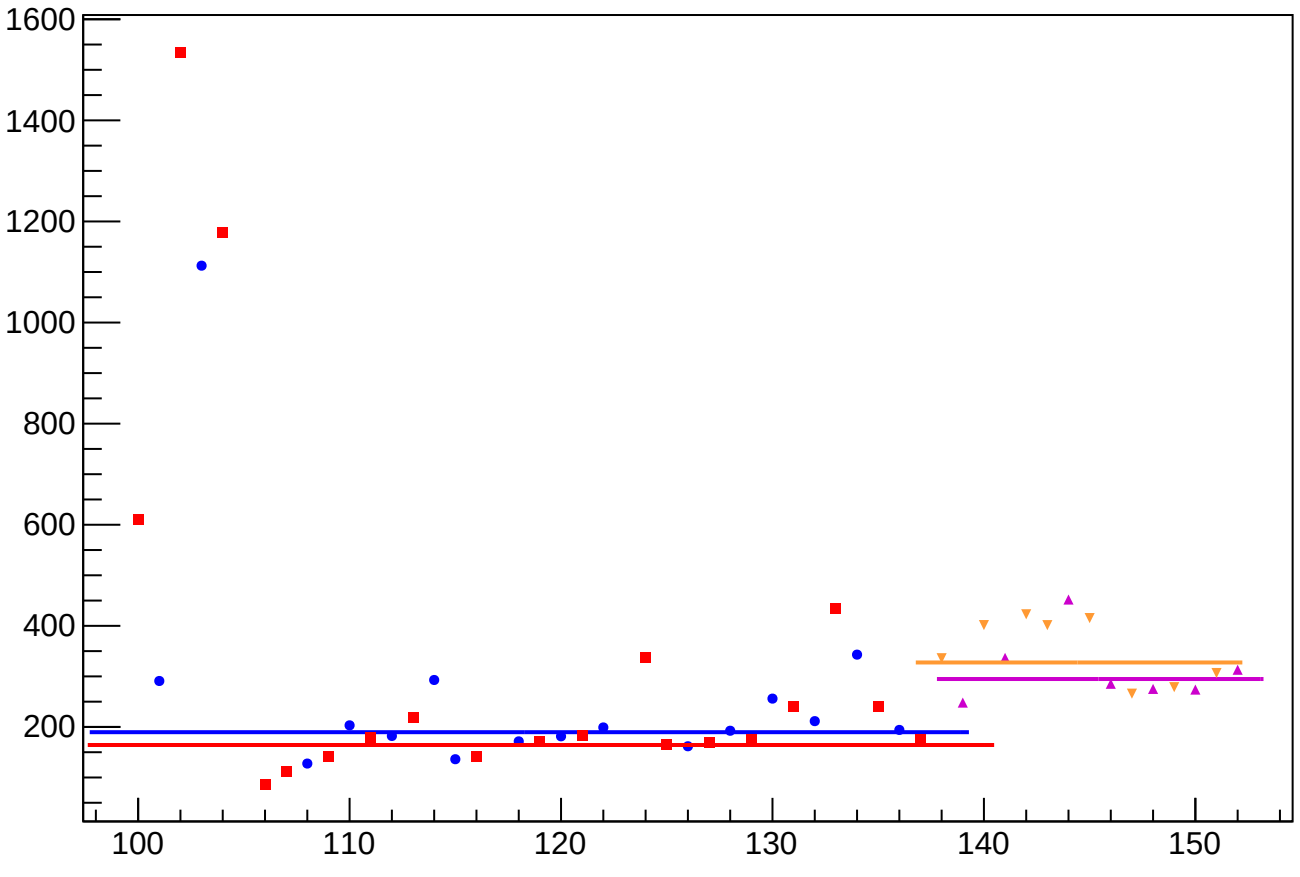
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.005+/-0.000 χ^2/NDF:9542795.9/22

Out: 0.005+/-0.000 χ^2/NDF:9452354.1/26

All: 0.005+/-0.000 χ^2/NDF: 19011551.0/49


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: -0.106+/-0.122 χ²/NDF:9.7/6
Left: 0.015+/-0.091 χ²/NDF: 19.9/14
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.093+/-0.065 χ²/NDF:23.6/22
Out: 0.092+/-0.062 χ²/NDF:37.0/26
All: 0.003+/-0.045 χ²/NDF: 64.8/49



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: 294.821+/-0.087 χ^2/NDF:324141.5/6

Left: 309.528+/-0.064 χ^2/NDF: 759648.0/14

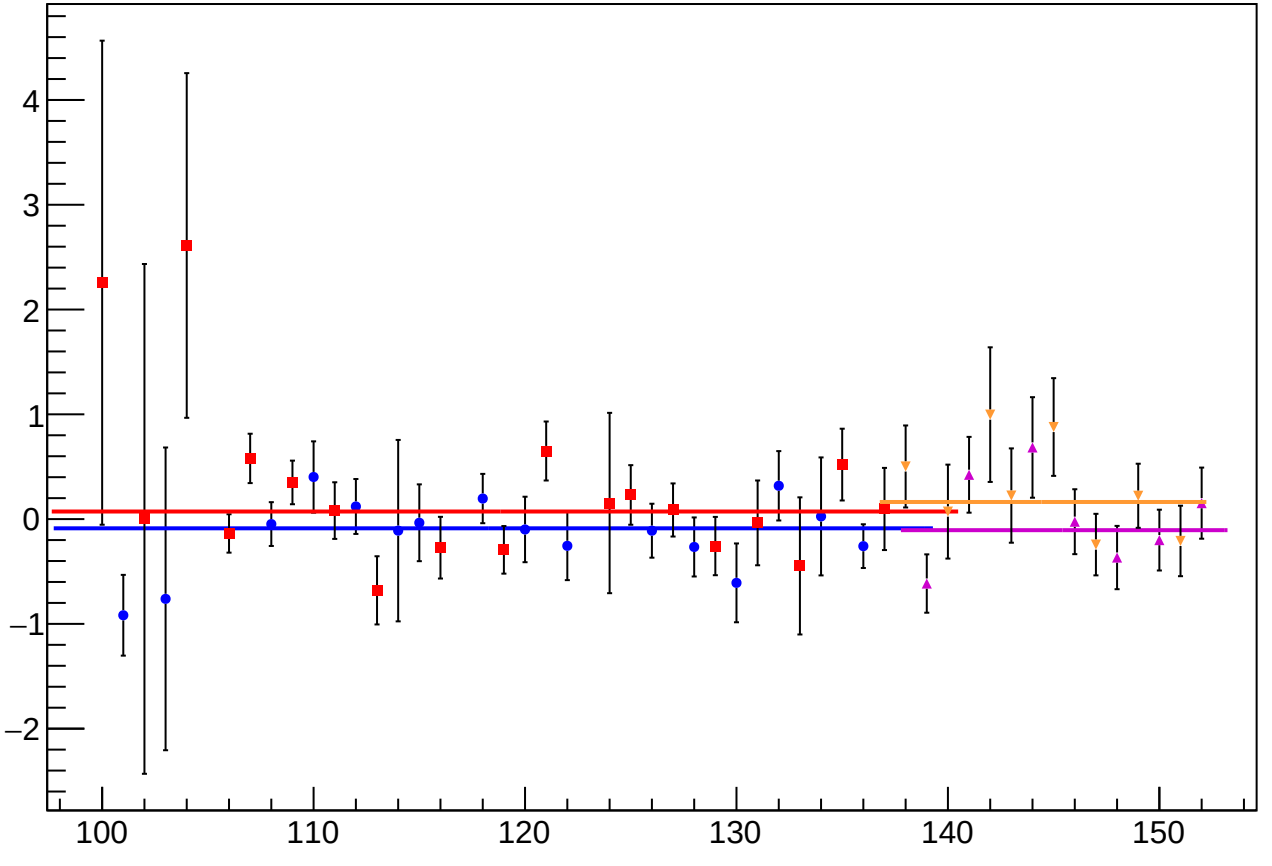
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 219.349+/-0.046 χ^2/NDF:2850633.0/22

Out: 198.748+/-0.044 χ^2/NDF:5310004.4/26

All: 208.589+/-0.032 χ^2/NDF: 8265494.2/49

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: -0.106+/-0.122 χ^2/NDF:9.7/6

Left: 0.015+/-0.091 χ^2/NDF: 19.9/14

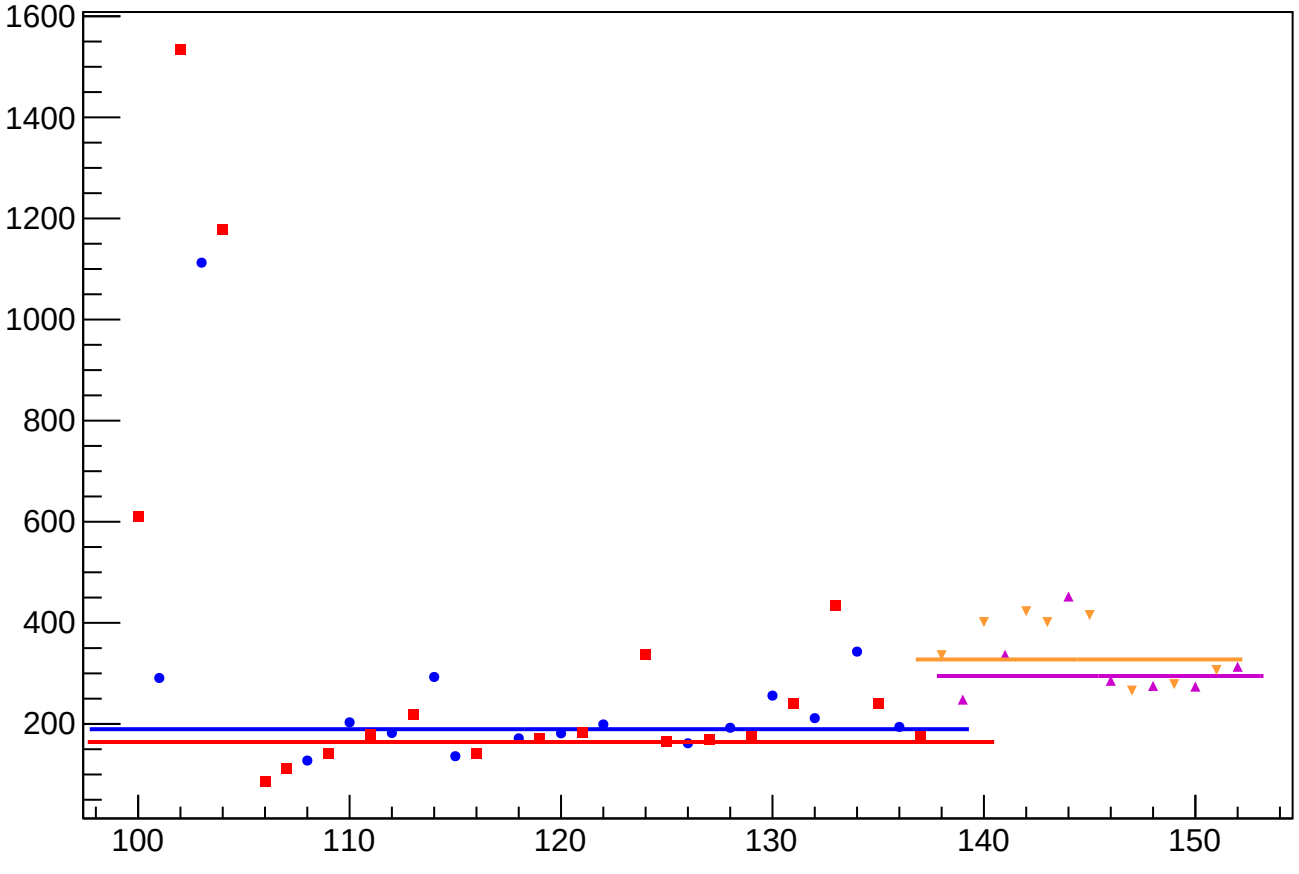
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.093+/-0.065 χ^2/NDF:23.6/22

Out: 0.092+/-0.062 χ^2/NDF:37.0/26

All: 0.003+/-0.045 χ^2/NDF: 64.8/49

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 327.532+/-0.096 χ^2/NDF:371206.8/7

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 294.821+/-0.087 χ^2/NDF:324141.5/6

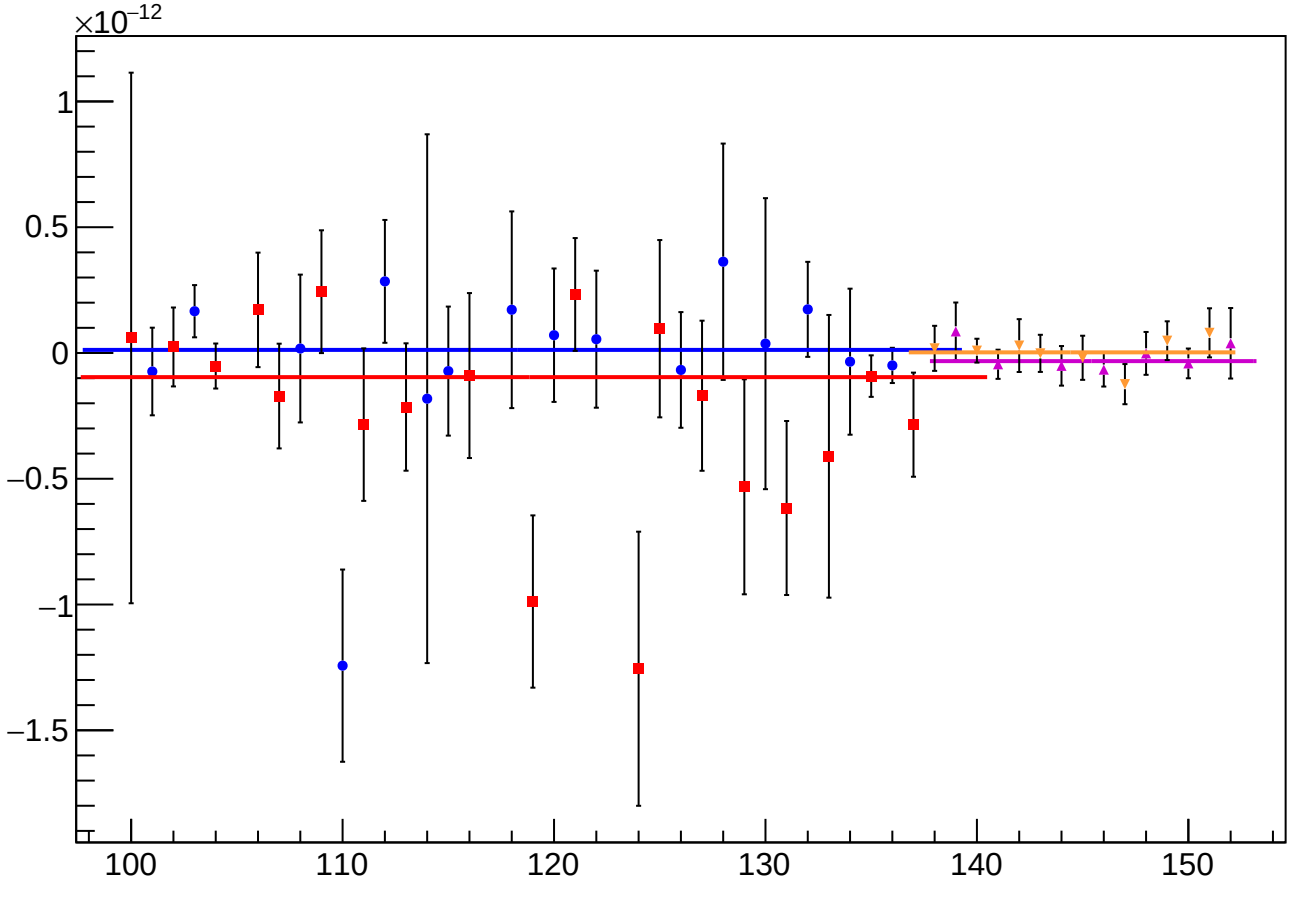
Left: 309.528+/-0.064 χ^2/NDF: 759648.0/14

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 219.349+/-0.046 χ^2/NDF:2850633.0/22

Out: 198.748+/-0.044 χ^2/NDF:5310004.4/26

All: 208.589+/-0.032 χ^2/NDF: 8265494.2/49



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:1.8/6

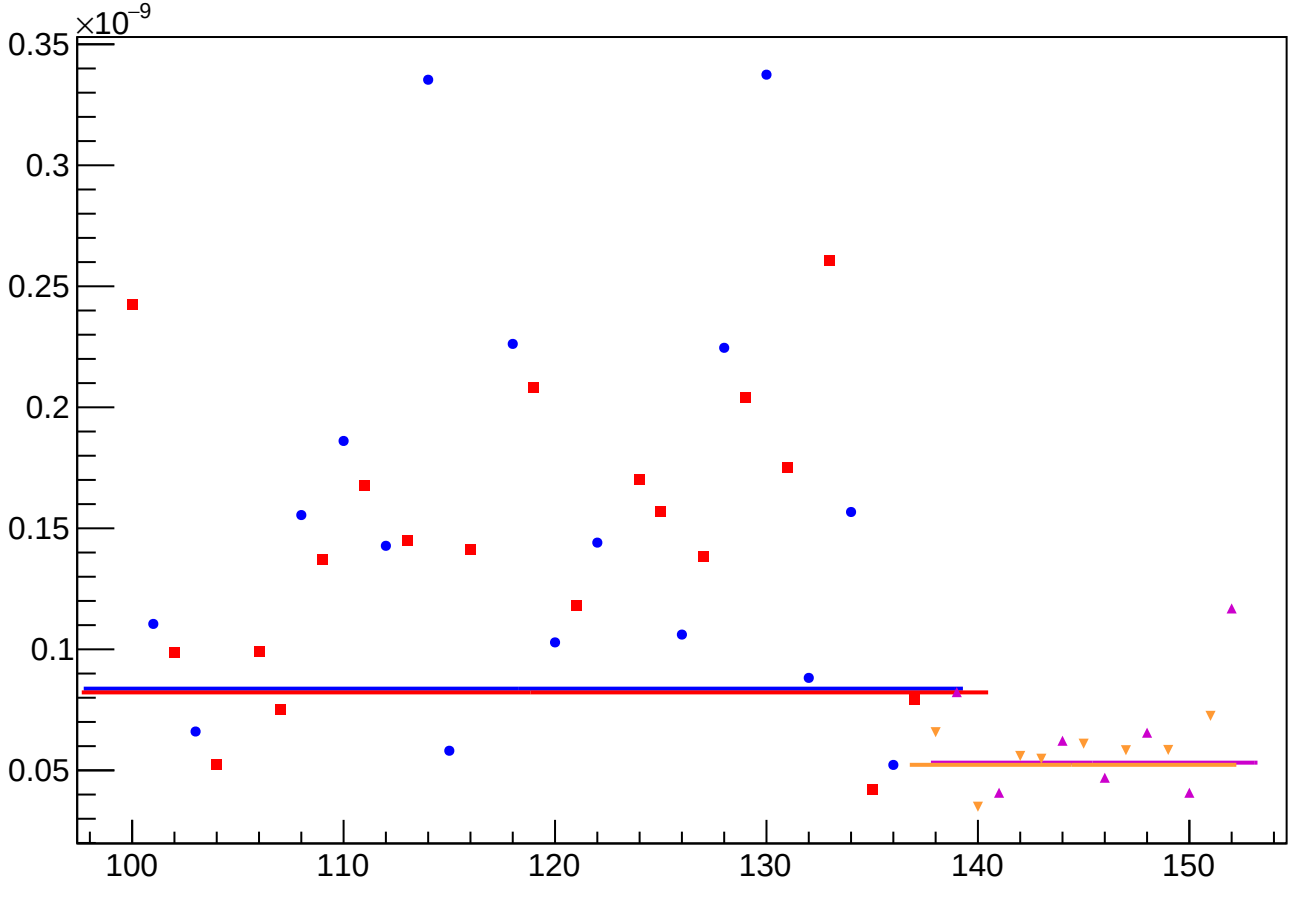
Left: -0.000+/-0.000 χ^2/NDF: 6.3/14

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

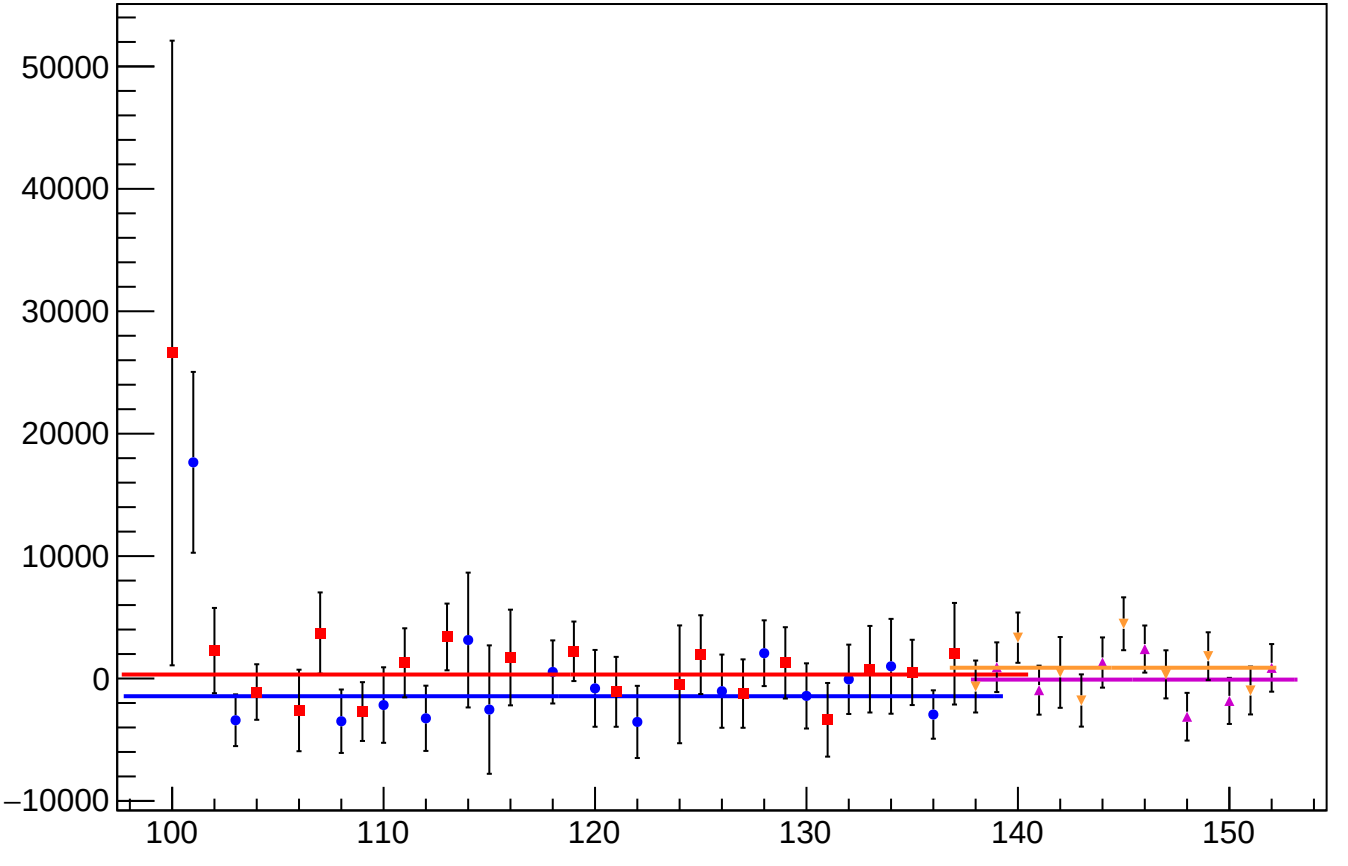
In: -0.000+/-0.000 χ^2/NDF:19.6/22

Out: -0.000+/-0.000 χ^2/NDF:30.4/26

All: -0.000+/-0.000 χ^2/NDF: 50.0/49


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:808173.0/6
Left: 0.000+/-0.000 χ²/NDF: 1255927.2/14
Right: 0.000+/-0.000 χ²/NDF: 4382137.4/34
In: 0.000+/-0.000 χ²/NDF:3564296.4/22
Out: 0.000+/-0.000 χ²/NDF:3378220.3/26
All: 0.000+/-0.000 χ²/NDF: 6947393.0/49

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: -89.247+/-743.243 χ^2/NDF:6.1/6

Left: 393.486+/-526.674 χ^2/NDF: 14.5/14

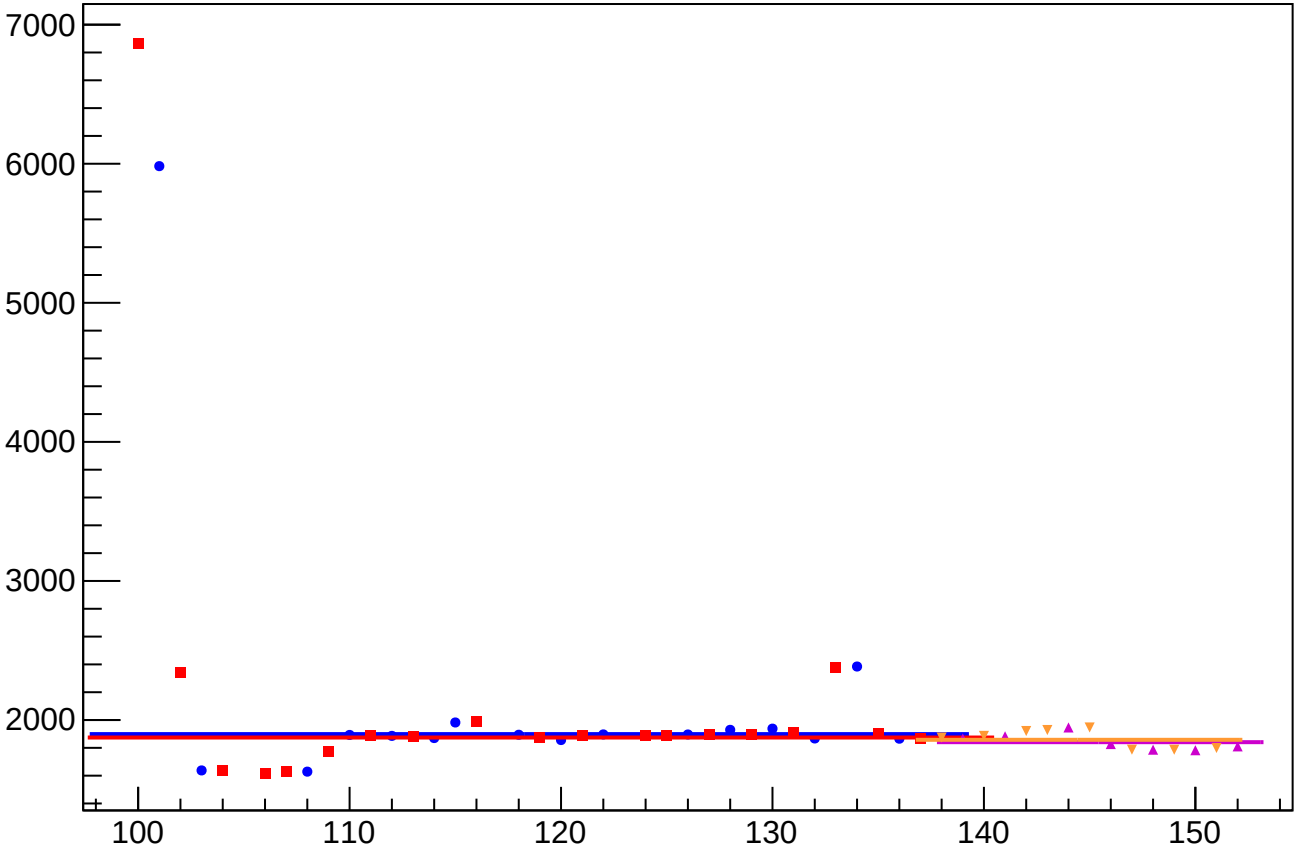
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -786.500+/-518.299 χ^2/NDF:21.3/22

Out: 586.400+/-511.624 χ^2/NDF:17.8/26

All: -91.154+/-364.110 χ^2/NDF: 42.6/49

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: 1840.815+/-0.526 χ^2/NDF:10557.7/6

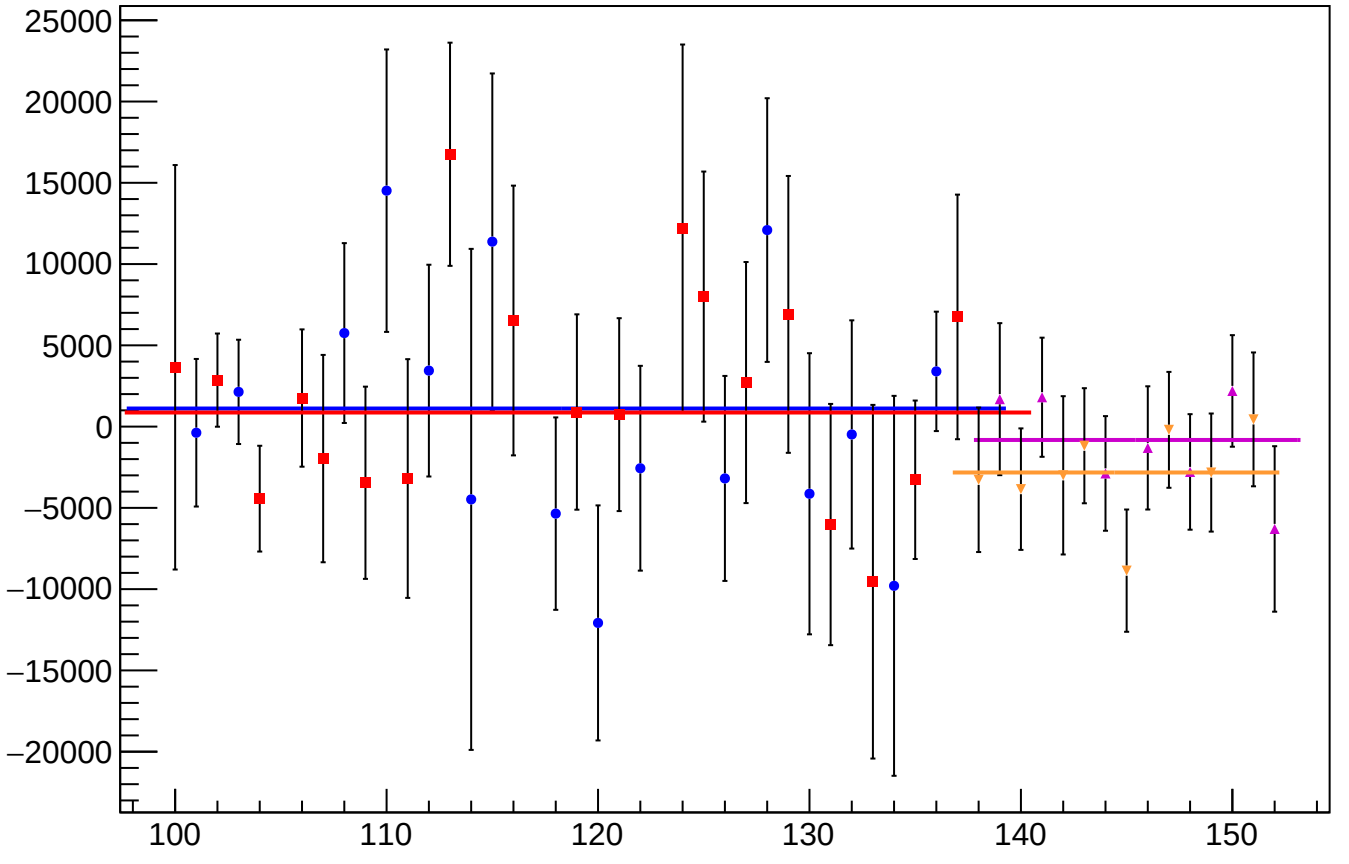
Left: 1849.265+/-0.372 χ^2/NDF: 25116.9/14

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1870.615+/-0.366 χ^2/NDF:714331.0/22

Out: 1866.544+/-0.361 χ^2/NDF:222215.0/26

All: 1868.550+/-0.257 χ^2/NDF: 936608.6/49



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -2823.345+/-1375.837 χ^2/NDF:4.1/7

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: -821.824+/-1454.281 χ^2/NDF:3.4/6

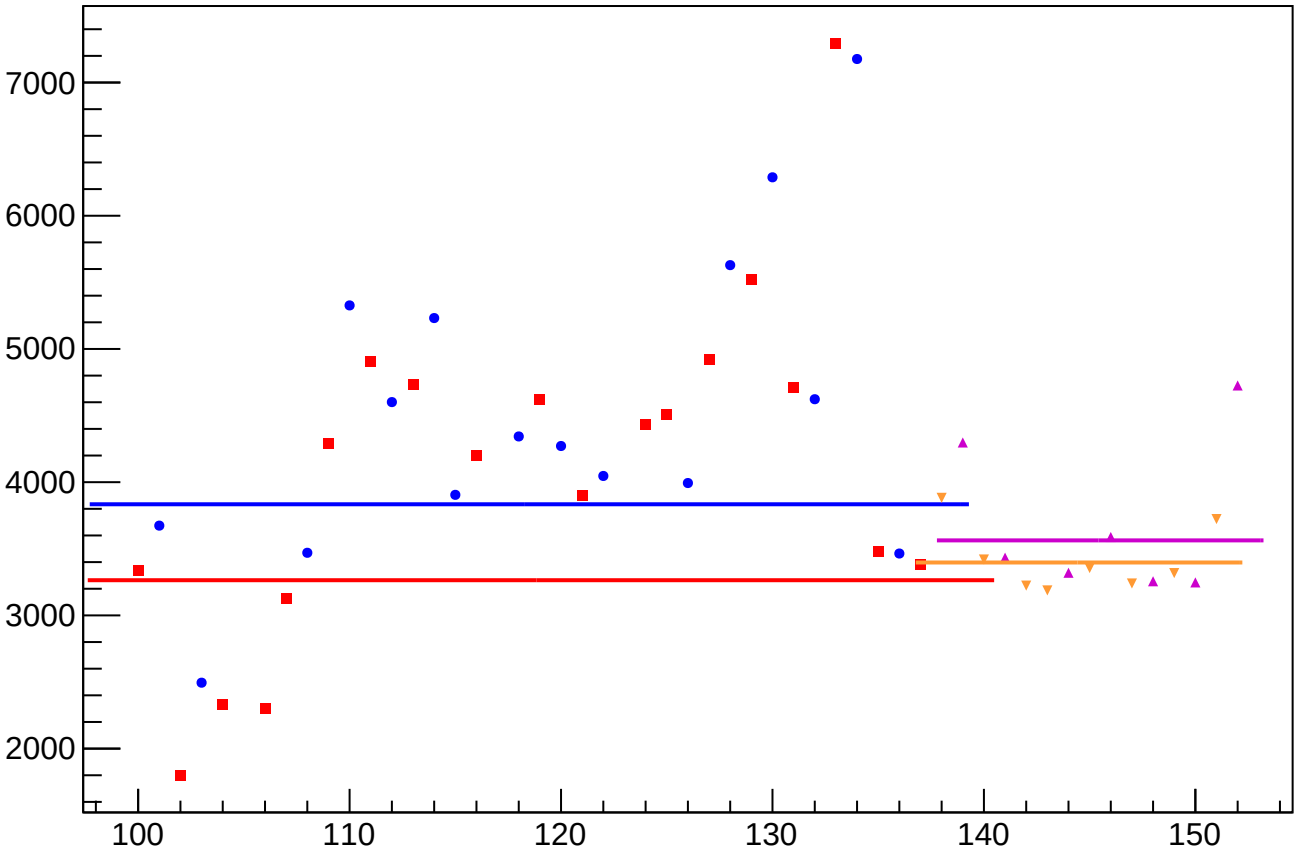
Left: -1878.019+/-999.445 χ^2/NDF: 8.4/14

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

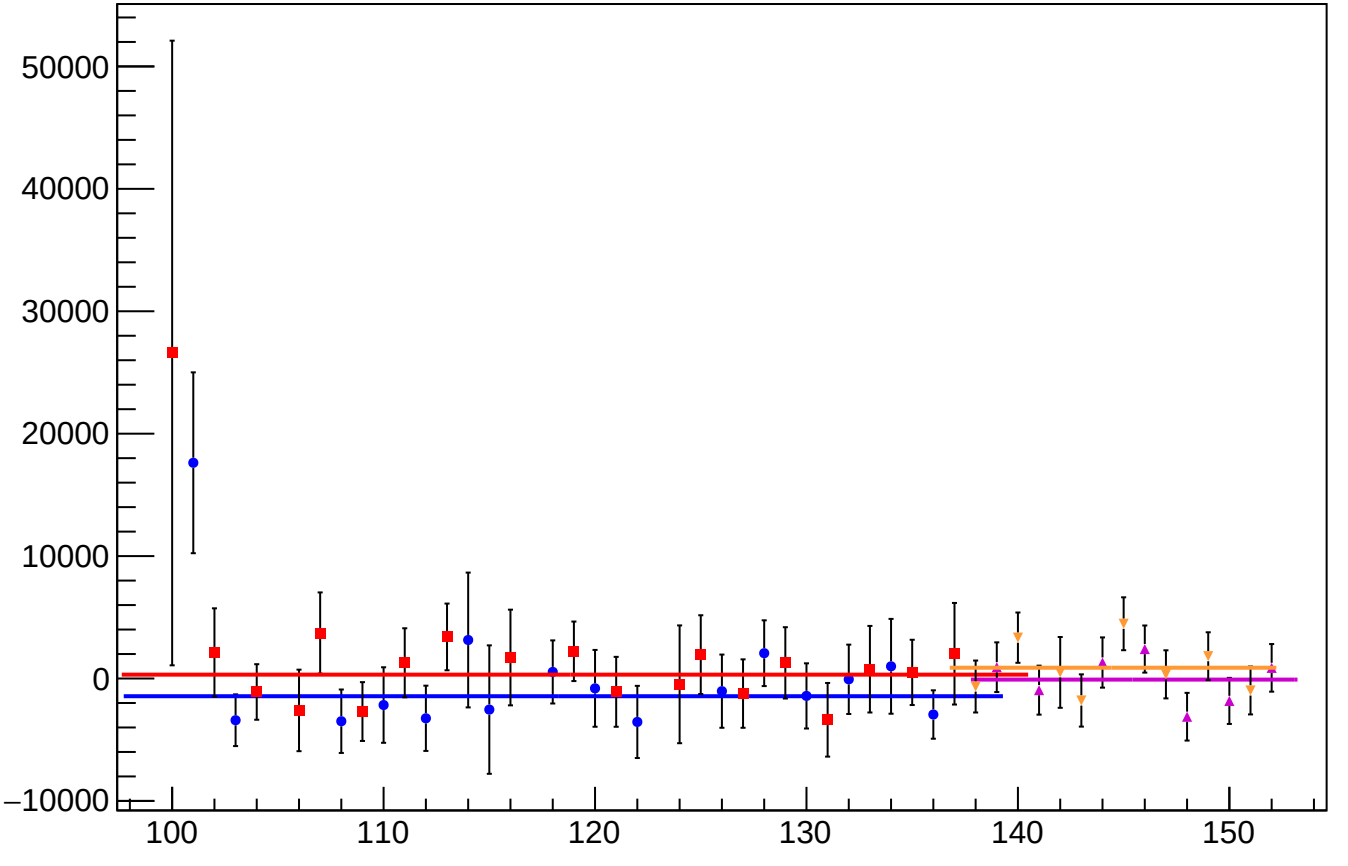
In: 128.966+/-1037.052 χ^2/NDF:17.6/22

Out: -883.874+/-947.675 χ^2/NDF:23.5/26

All: -422.973+/-699.575 χ^2/NDF: 41.6/49


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: 3563.087+/-1.028 χ²/NDF:197603.8/6
Left: 3475.512+/-0.707 χ²/NDF: 262481.6/14
Right: 3514.075+/-0.693 χ²/NDF: 2987789.5/34
In: 3696.317+/-0.733 χ²/NDF:1188532.3/22
Out: 3327.221+/-0.670 χ²/NDF:1925201.0/26
All: 3495.181+/-0.495 χ²/NDF: 3251789.8/49

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: -89.178+/-743.243 χ^2/NDF:6.1/6

Left: 393.573+/-526.674 χ^2/NDF: 14.5/14

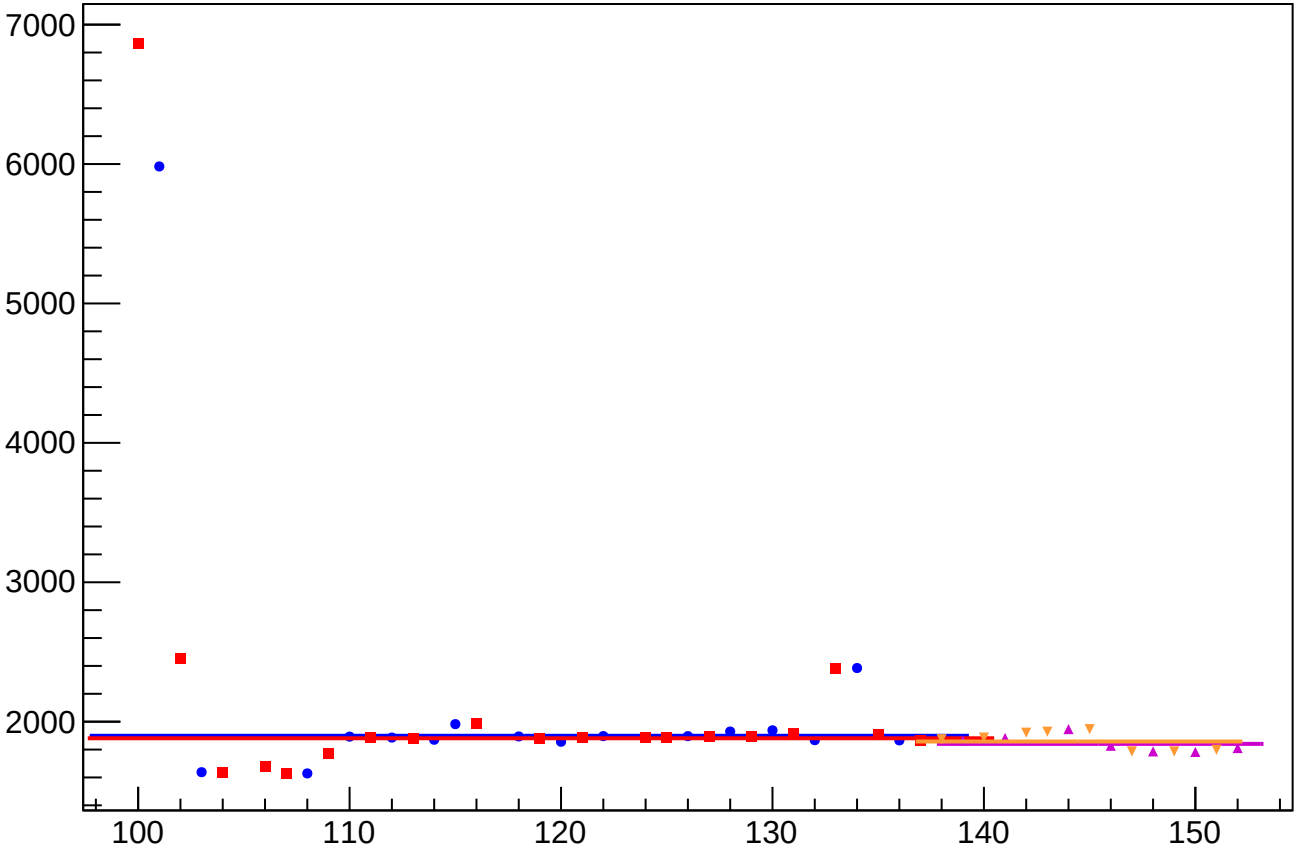
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -786.665+/-518.299 χ^2/NDF:21.3/22

Out: 581.291+/-511.990 χ^2/NDF:17.7/26

All: -94.311+/-364.241 χ^2/NDF: 42.5/49

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: 1840.815+/-0.526 χ^2/NDF:10557.7/6

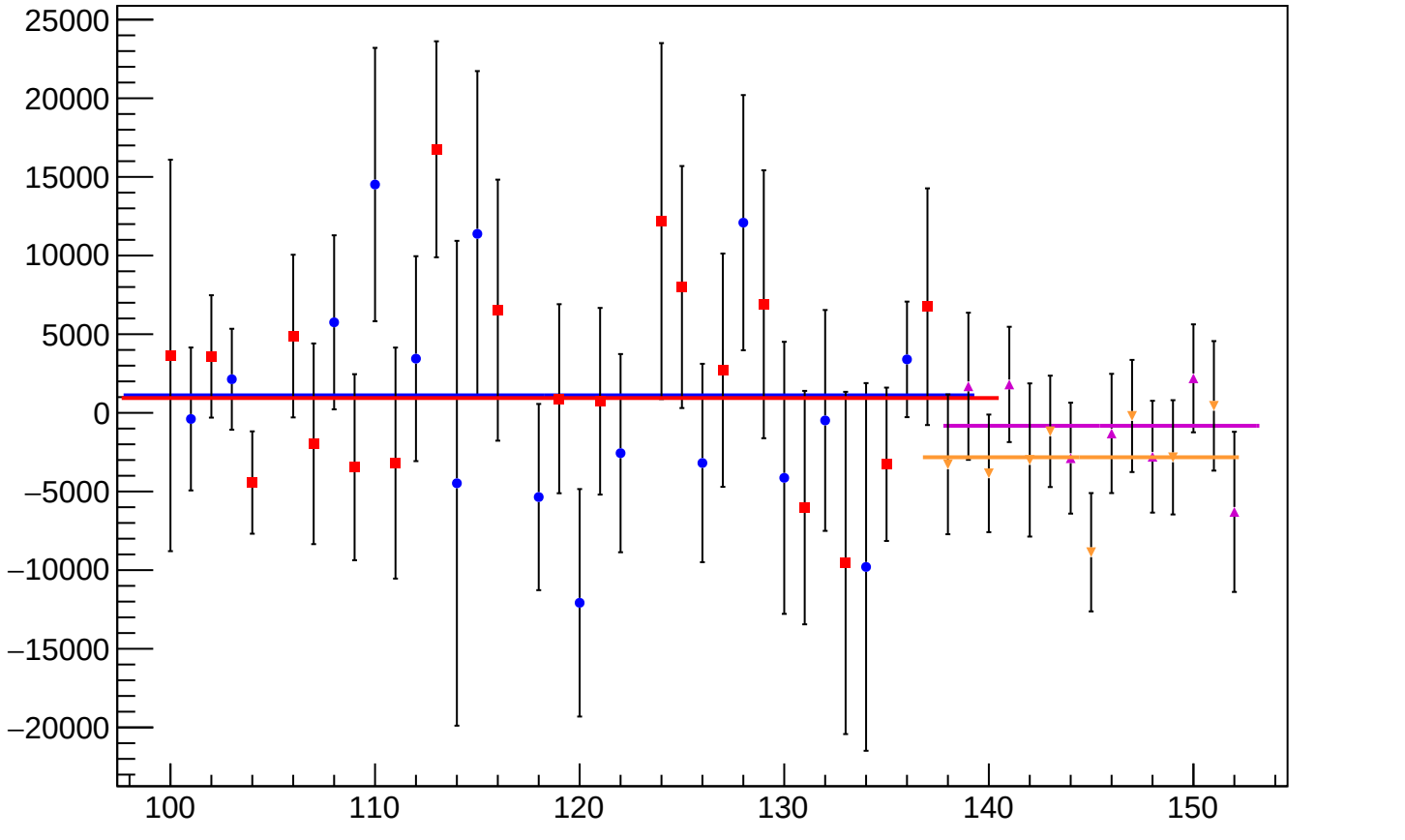
Left: 1849.265+/-0.372 χ^2/NDF: 25116.9/14

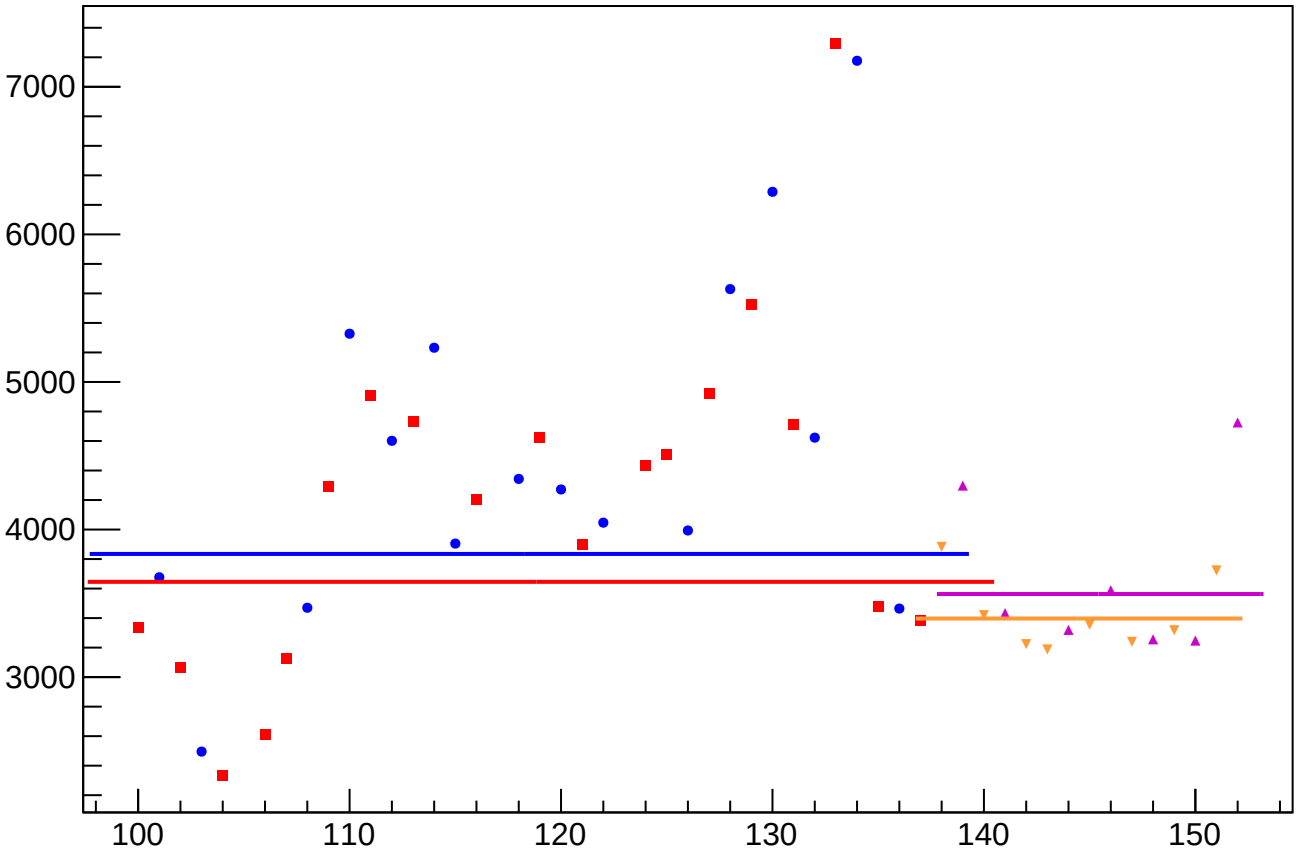
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1870.615+/-0.366 χ^2/NDF:714331.1/22

Out: 1870.101+/-0.362 χ^2/NDF:231630.4/26

All: 1870.355+/-0.257 χ^2/NDF: 945962.5/49


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: -821.934+/-1454.278 χ²/NDF:3.4/6
Left: -1878.050+/-999.444 χ²/NDF: 8.4/14
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 128.219+/-1037.111 χ²/NDF:17.6/22
Out: -972.707+/-980.948 χ²/NDF:23.9/26
All: -452.859+/-712.663 χ²/NDF: 42.1/49



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: 3563.078+/-1.028 χ^2/NDF:197609.4/6

Left: 3475.508+/-0.707 χ^2/NDF: 262490.0/14

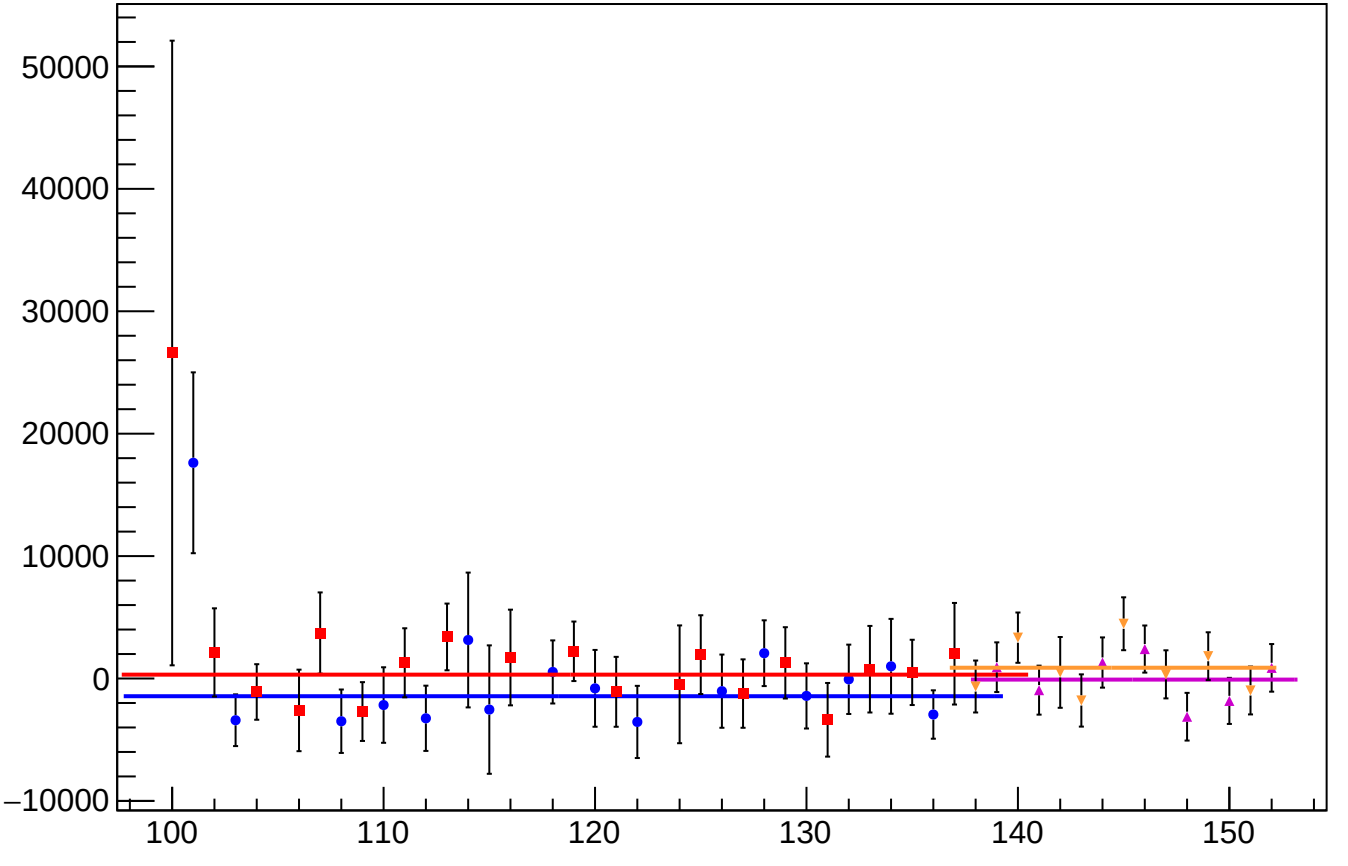
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3696.554+/-0.733 χ^2/NDF:1188205.5/22

Out: 3519.335+/-0.694 χ^2/NDF:1208213.2/26

All: 3603.017+/-0.504 χ^2/NDF: 2427242.0/49

eigen_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: -89.178+/-743.243 χ^2/NDF:6.1/6

Left: 393.573+/-526.674 χ^2/NDF: 14.5/14

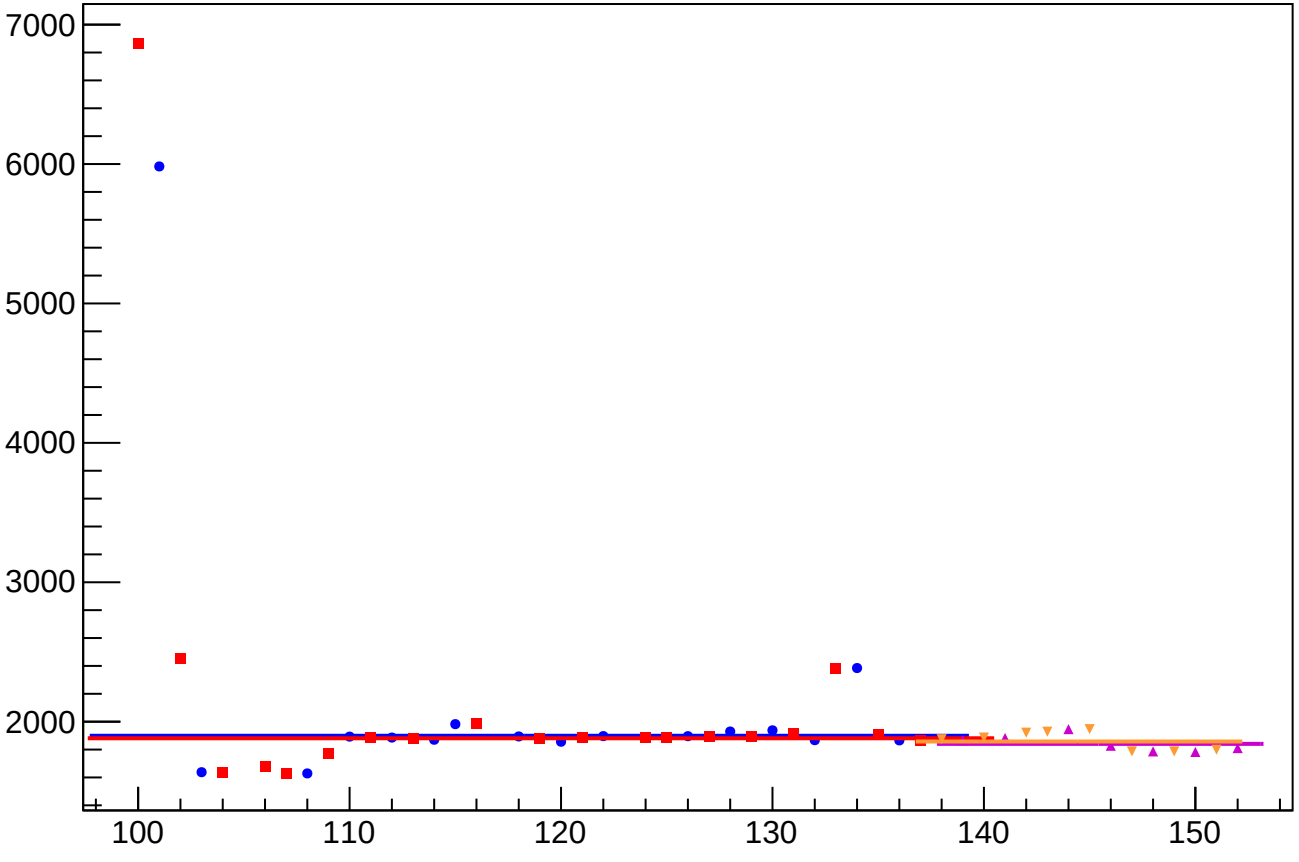
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -786.665+/-518.299 χ^2/NDF:21.3/22

Out: 581.291+/-511.990 χ^2/NDF:17.7/26

All: -94.311+/-364.241 χ^2/NDF: 42.5/49

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: 1840.815+/-0.526 χ^2/NDF:10557.7/6

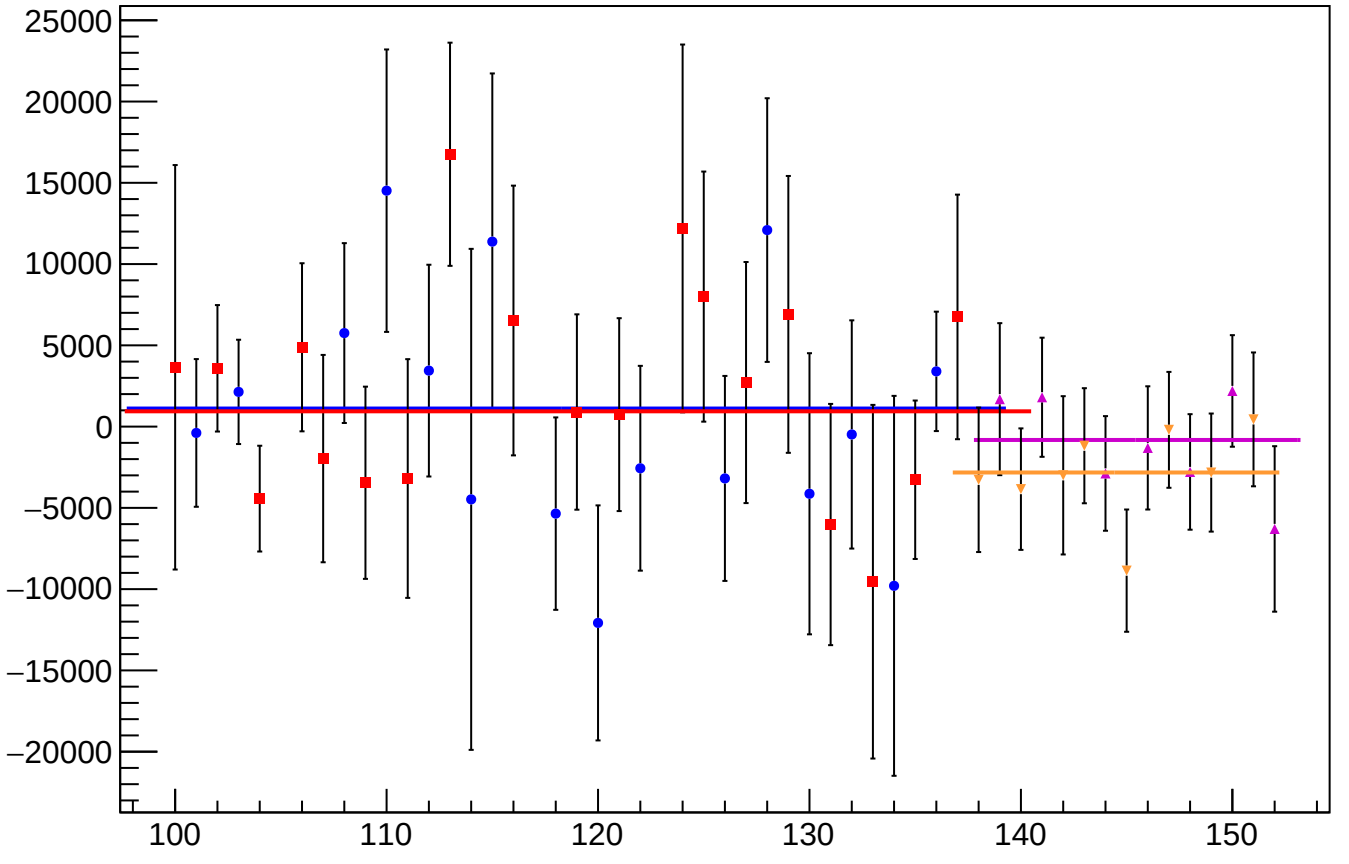
Left: 1849.265+/-0.372 χ^2/NDF: 25116.9/14

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1870.615+/-0.366 χ^2/NDF:714331.1/22

Out: 1870.101+/-0.362 χ^2/NDF:231630.4/26

All: 1870.355+/-0.257 χ^2/NDF: 945962.5/49



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: -821.934+/-1454.278 χ^2/NDF:3.4/6

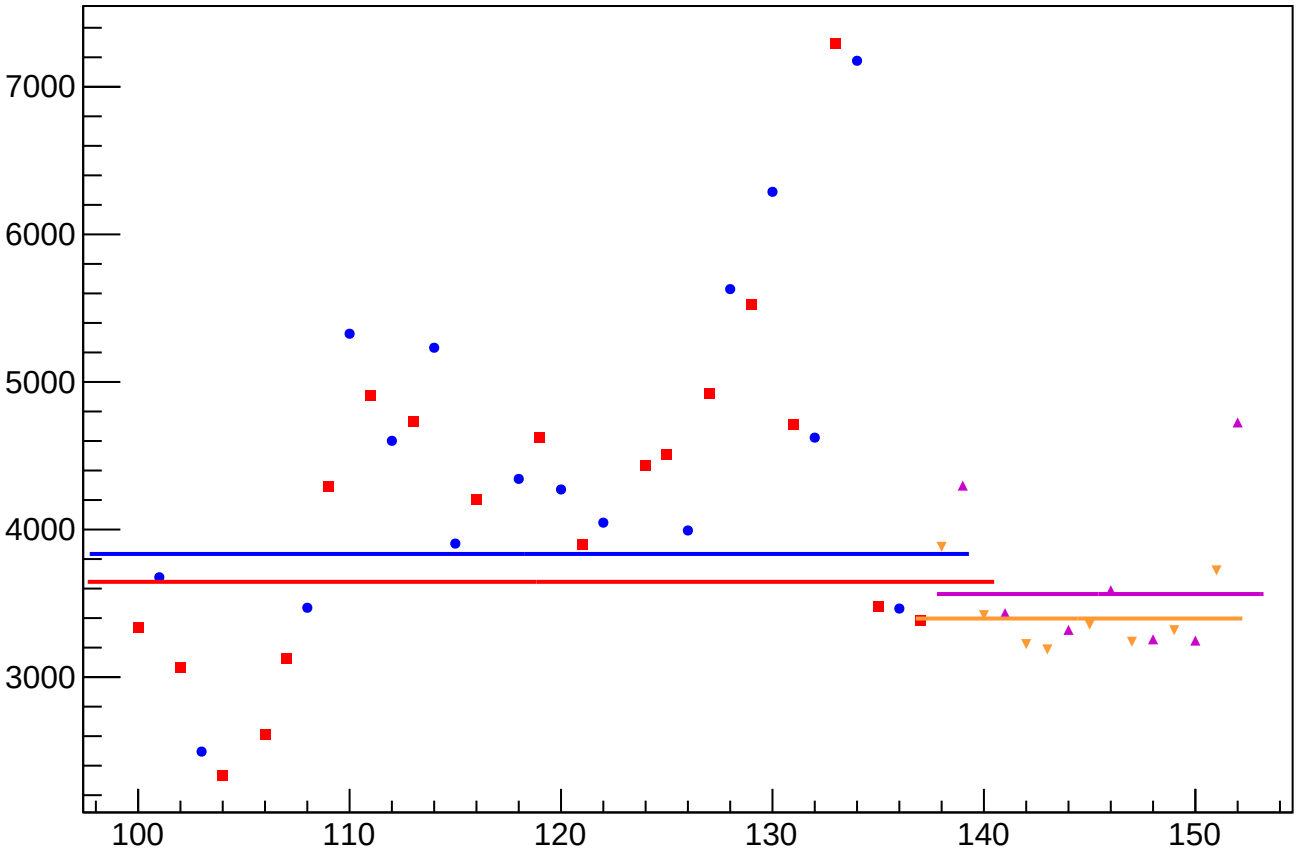
Left: -1878.050+/-999.444 χ^2/NDF: 8.4/14

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 128.219+/-1037.111 χ^2/NDF:17.6/22

Out: -972.707+/-980.948 χ^2/NDF:23.9/26

All: -452.859+/-712.663 χ^2/NDF: 42.1/49



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: 3563.078+/-1.028 χ^2/NDF:197609.4/6

Left: 3475.508+/-0.707 χ^2/NDF: 262490.0/14

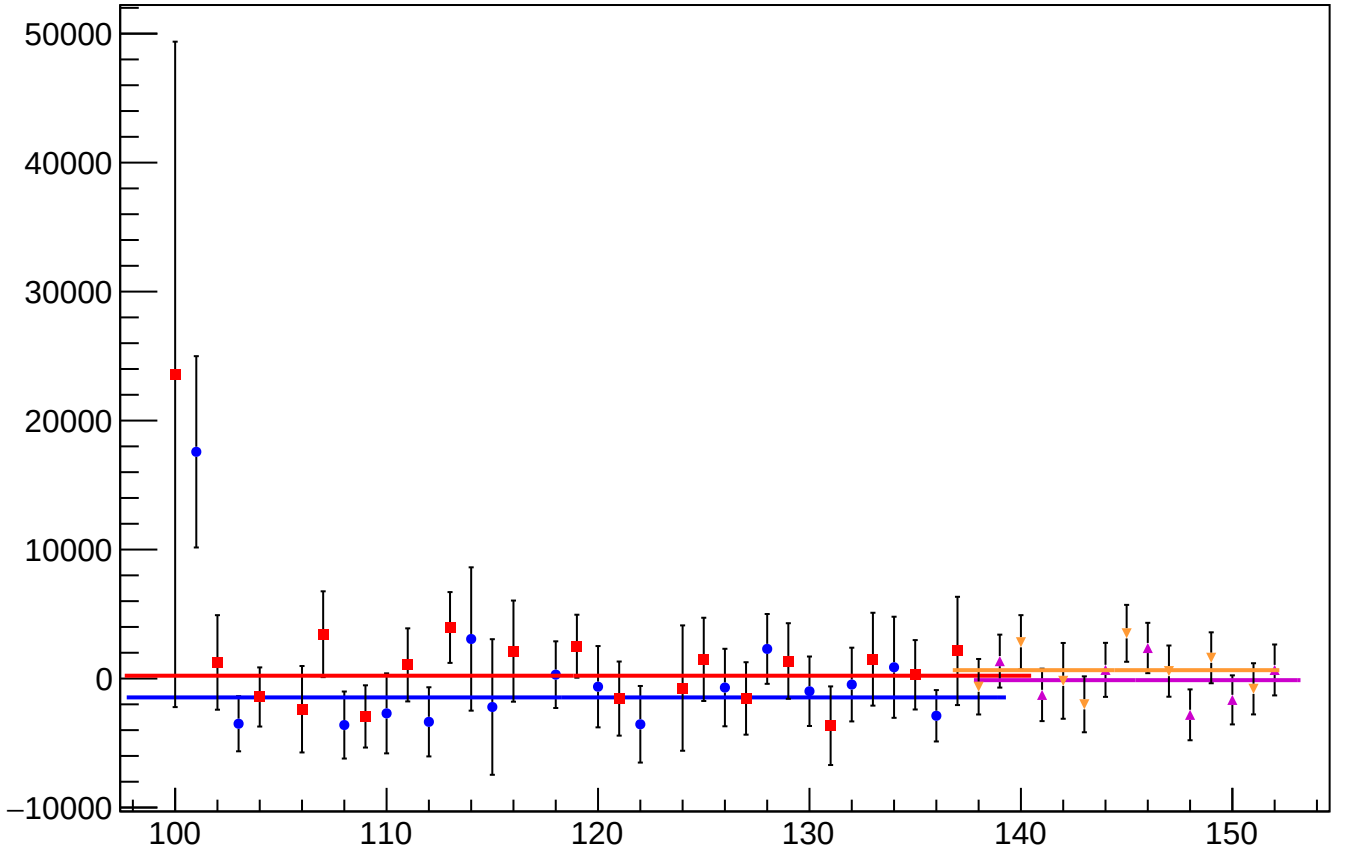
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3696.554+/-0.733 χ^2/NDF:1188205.5/22

Out: 3519.335+/-0.694 χ^2/NDF:1208213.2/26

All: 3603.017+/-0.504 χ^2/NDF: 2427242.0/49

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: -125.093+/-753.813 χ^2/NDF:5.3/6

Left: 259.943+/-534.504 χ^2/NDF: 11.2/14

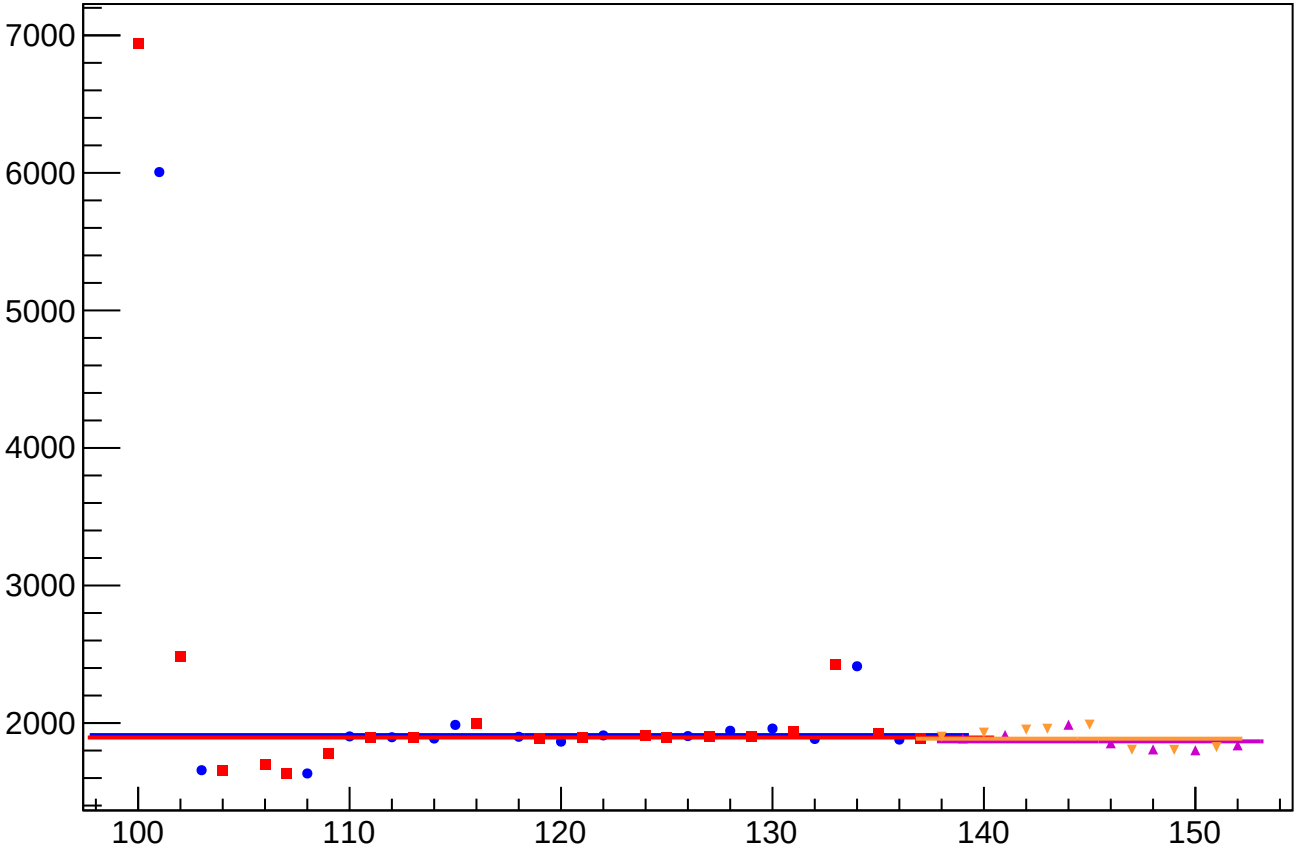
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -816.908+/-523.764 χ^2/NDF:20.5/22

Out: 420.124+/-517.741 χ^2/NDF:16.4/26

All: -191.239+/-368.209 χ^2/NDF: 39.7/49

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: 1866.824+/-0.533 χ^2/NDF:12519.8/6

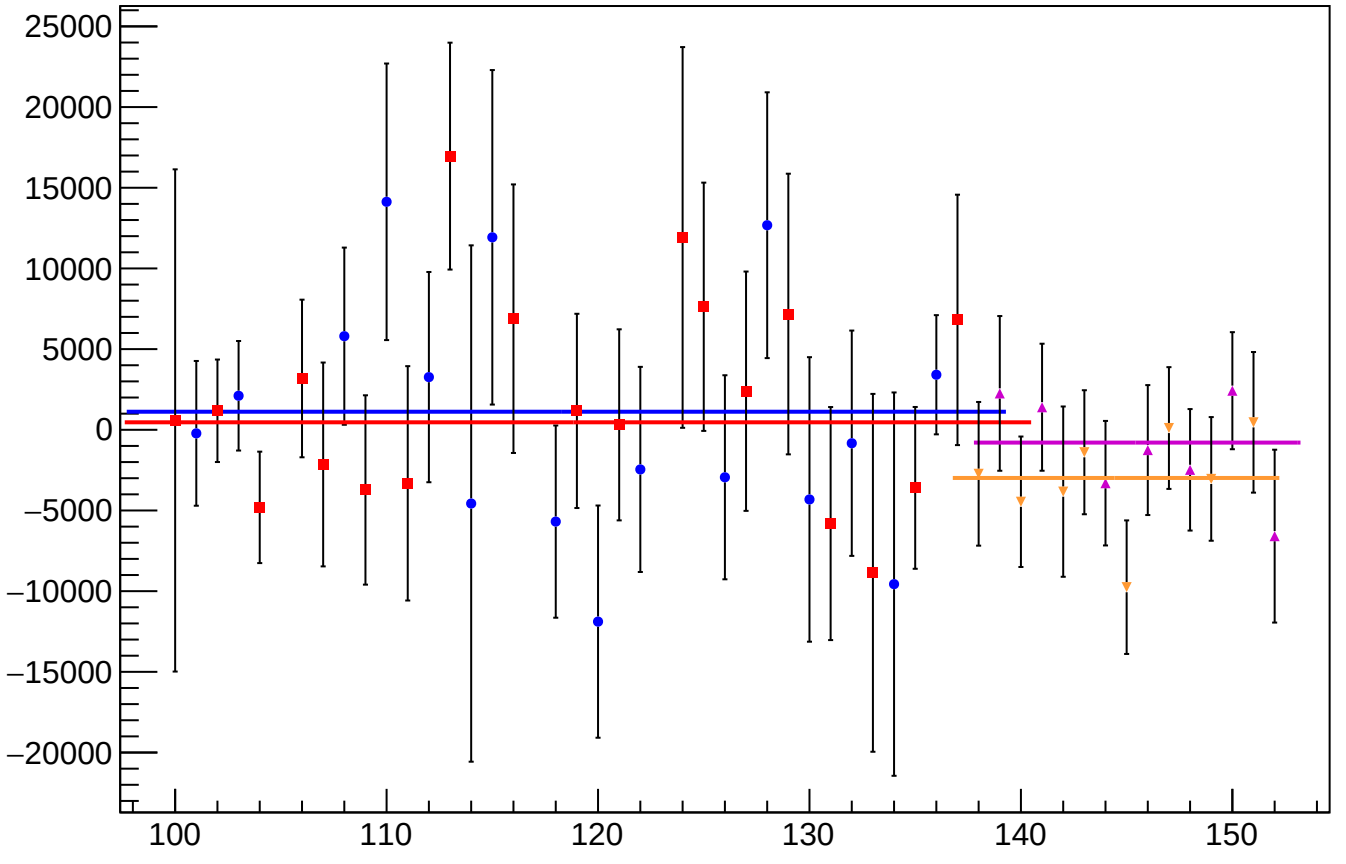
Left: 1876.525+/-0.378 χ^2/NDF: 30228.5/14

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1890.386+/-0.370 χ^2/NDF:712517.9/22

Out: 1890.837+/-0.366 χ^2/NDF:236956.1/26

All: 1890.614+/-0.260 χ^2/NDF: 949474.7/49



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -2984.697+/-1466.973 χ^2/NDF:4.3/7

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -792.966+/-1546.112 χ^2/NDF:3.3/6

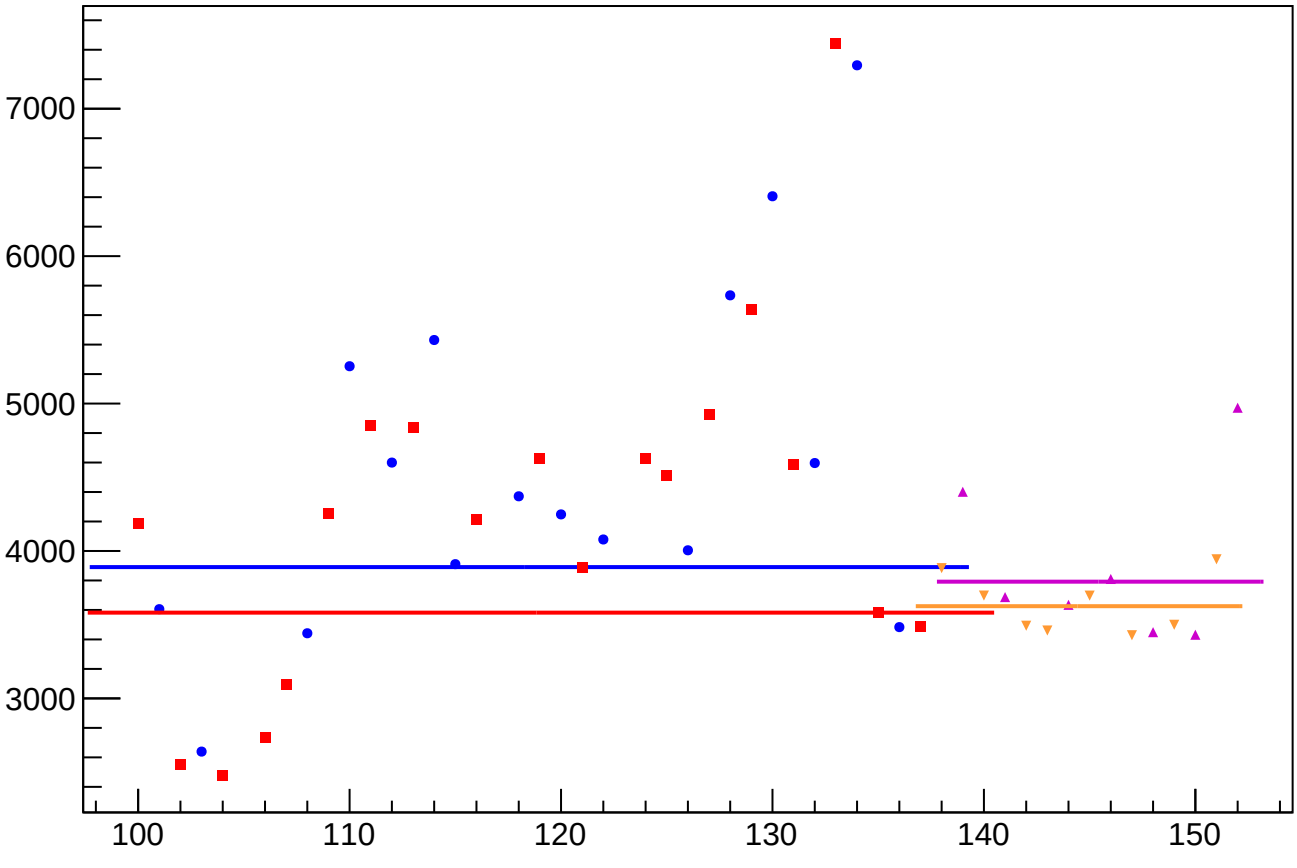
Left: -1946.358+/-1064.184 χ^2/NDF: 8.7/14

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 194.043+/-1075.731 χ^2/NDF:17.6/22

Out: -1143.432+/-1001.584 χ^2/NDF:22.3/26

All: -522.373+/-733.039 χ^2/NDF: 40.7/49



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: 3791.831+/-1.093 χ^2/NDF:170429.7/6

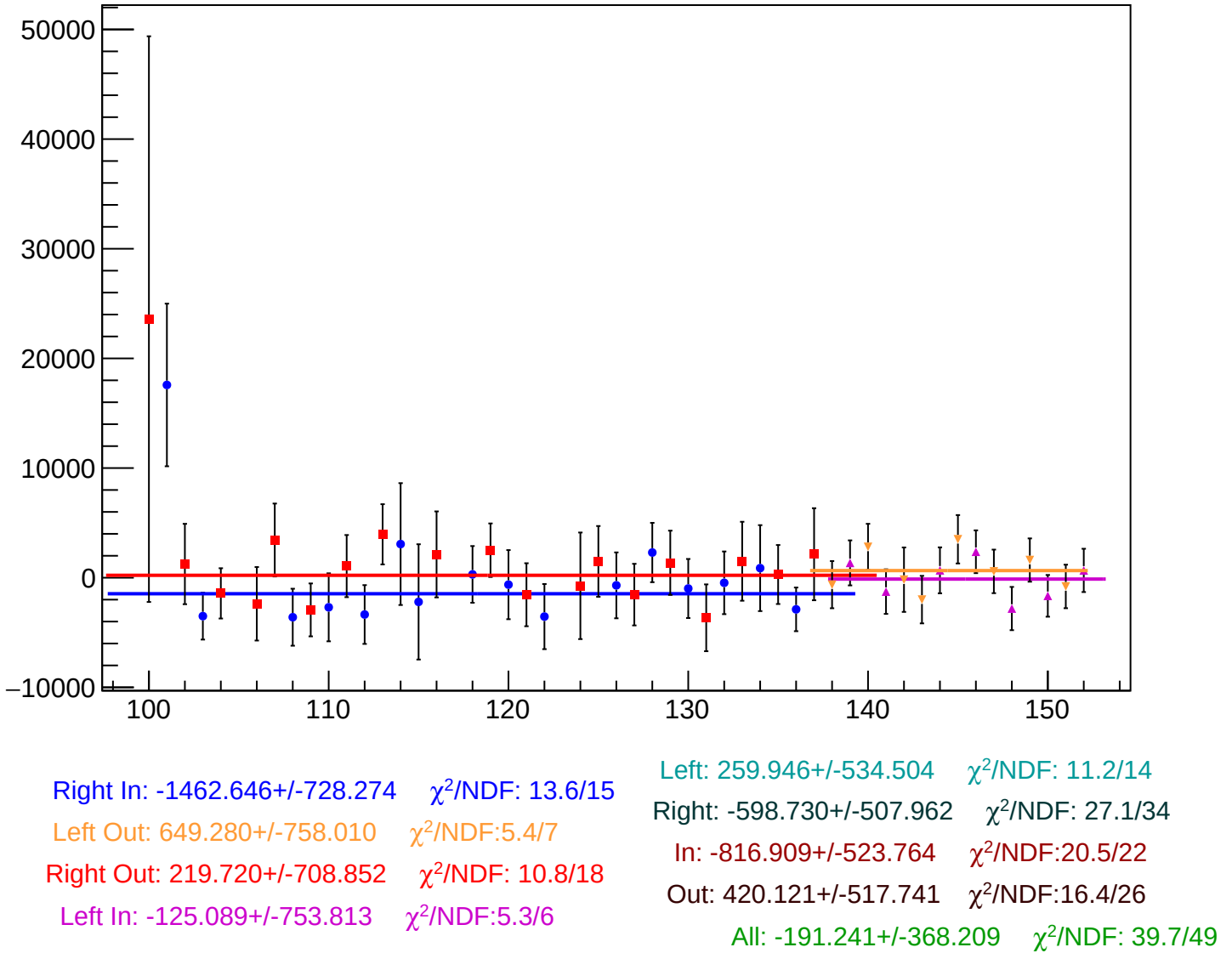
Left: 3704.311+/-0.752 χ^2/NDF: 213791.4/14

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

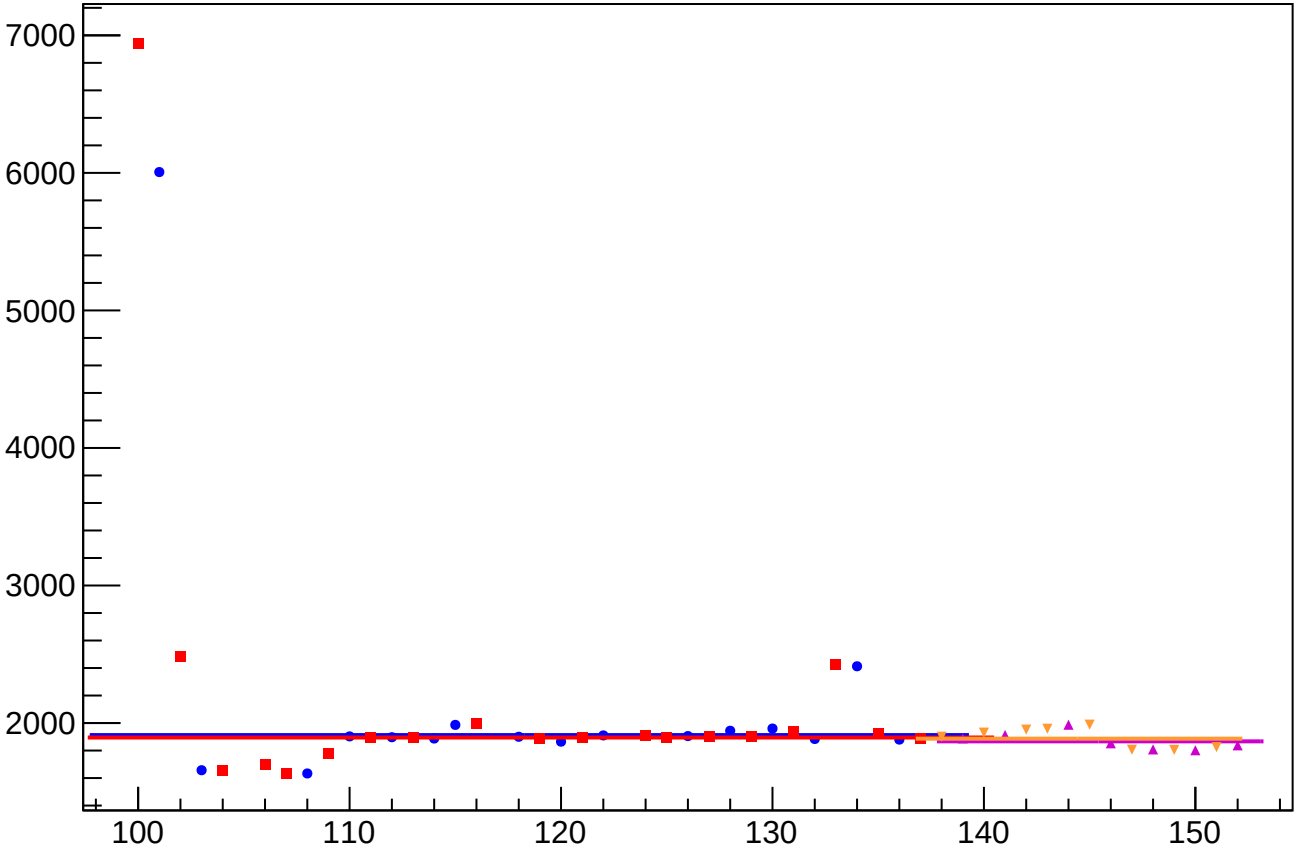
In: 3842.843+/-0.761 χ^2/NDF:1053067.8/22

Out: 3602.170+/-0.708 χ^2/NDF:1253988.2/26

All: 3713.927+/-0.518 χ^2/NDF: 2360679.6/49


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: -125.089+/-753.813 χ²/NDF:5.3/6
Left: 259.946+/-534.504 χ²/NDF: 11.2/14
Right: -598.730+/-507.962 χ²/NDF: 27.1/34
In: -816.909+/-523.764 χ²/NDF:20.5/22
Out: 420.121+/-517.741 χ²/NDF:16.4/26
All: -191.241+/-368.209 χ²/NDF: 39.7/49

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: 1866.824+/-0.533 χ^2/NDF:12519.7/6

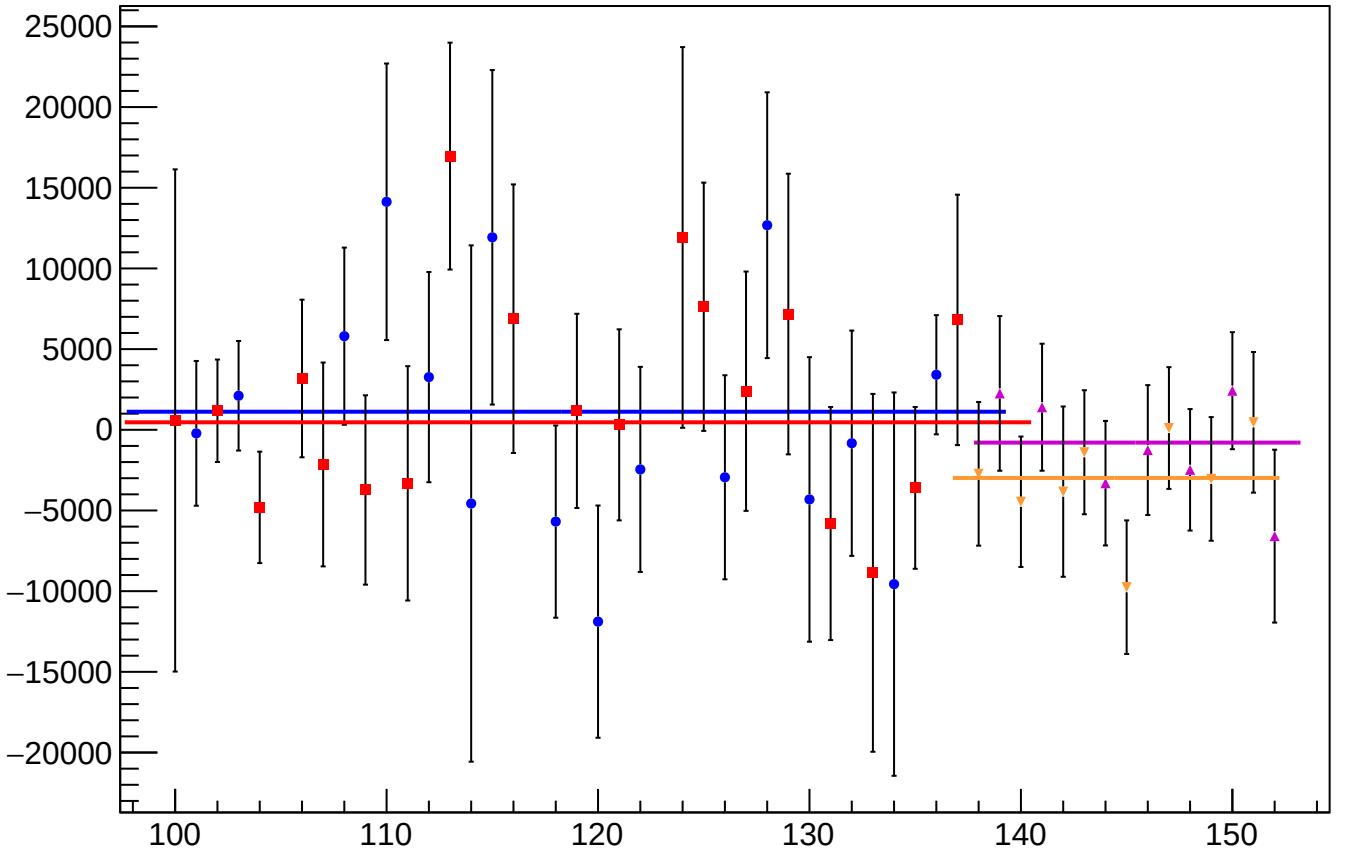
Left: 1876.526+/-0.378 χ^2/NDF: 30228.5/14

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1890.386+/-0.370 χ^2/NDF:712517.6/22

Out: 1890.837+/-0.366 χ^2/NDF:236956.1/26

All: 1890.614+/-0.260 χ^2/NDF: 949474.5/49



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: -792.963+/-1546.114 χ^2/NDF:3.3/6

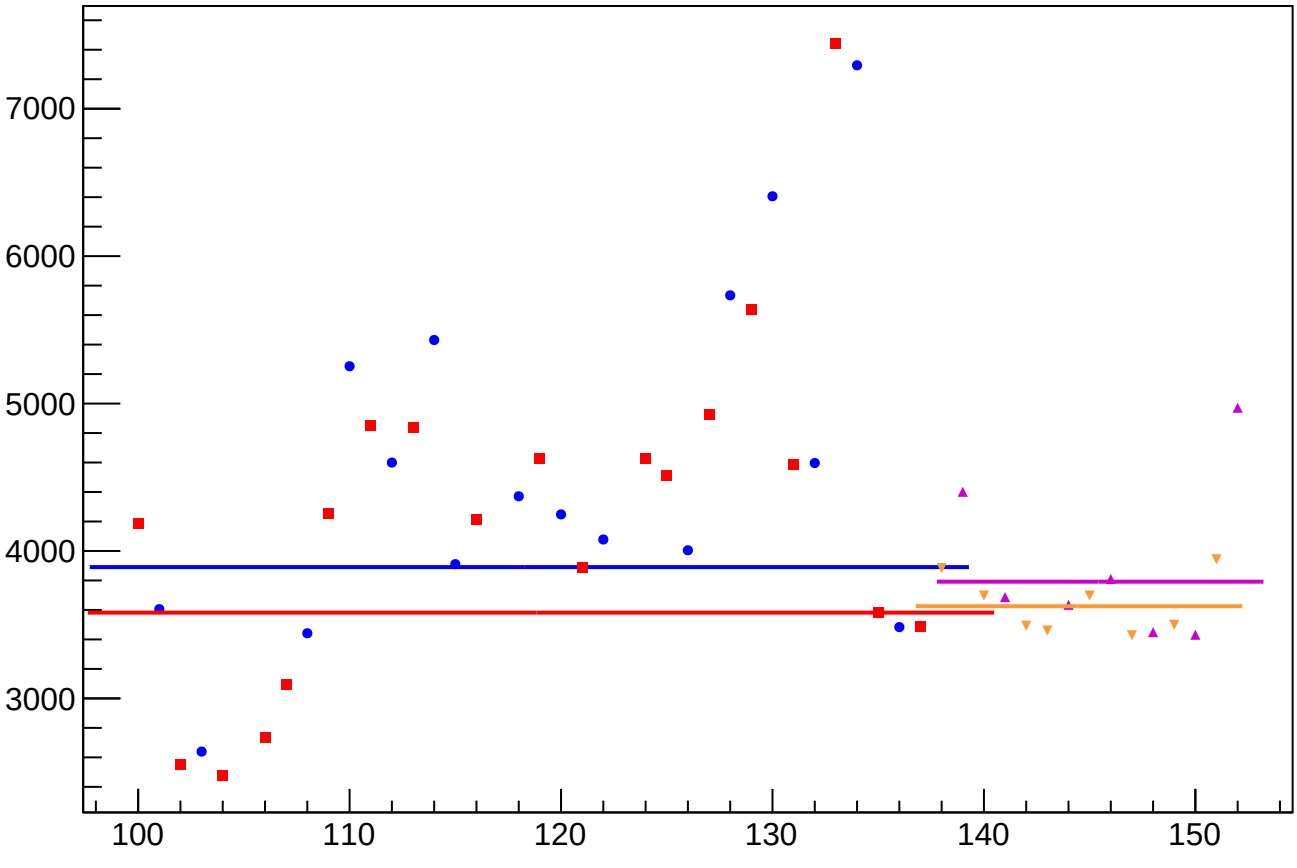
Left: -1946.357+/-1064.186 χ^2/NDF: 8.7/14

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 194.039+/-1075.731 χ^2/NDF:17.6/22

Out: -1143.429+/-1001.584 χ^2/NDF:22.3/26

All: -522.373+/-733.039 χ^2/NDF: 40.7/49



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: 3791.836+/-1.093 χ^2/NDF:170429.1/6

Left: 3704.316+/-0.752 χ^2/NDF: 213790.5/14

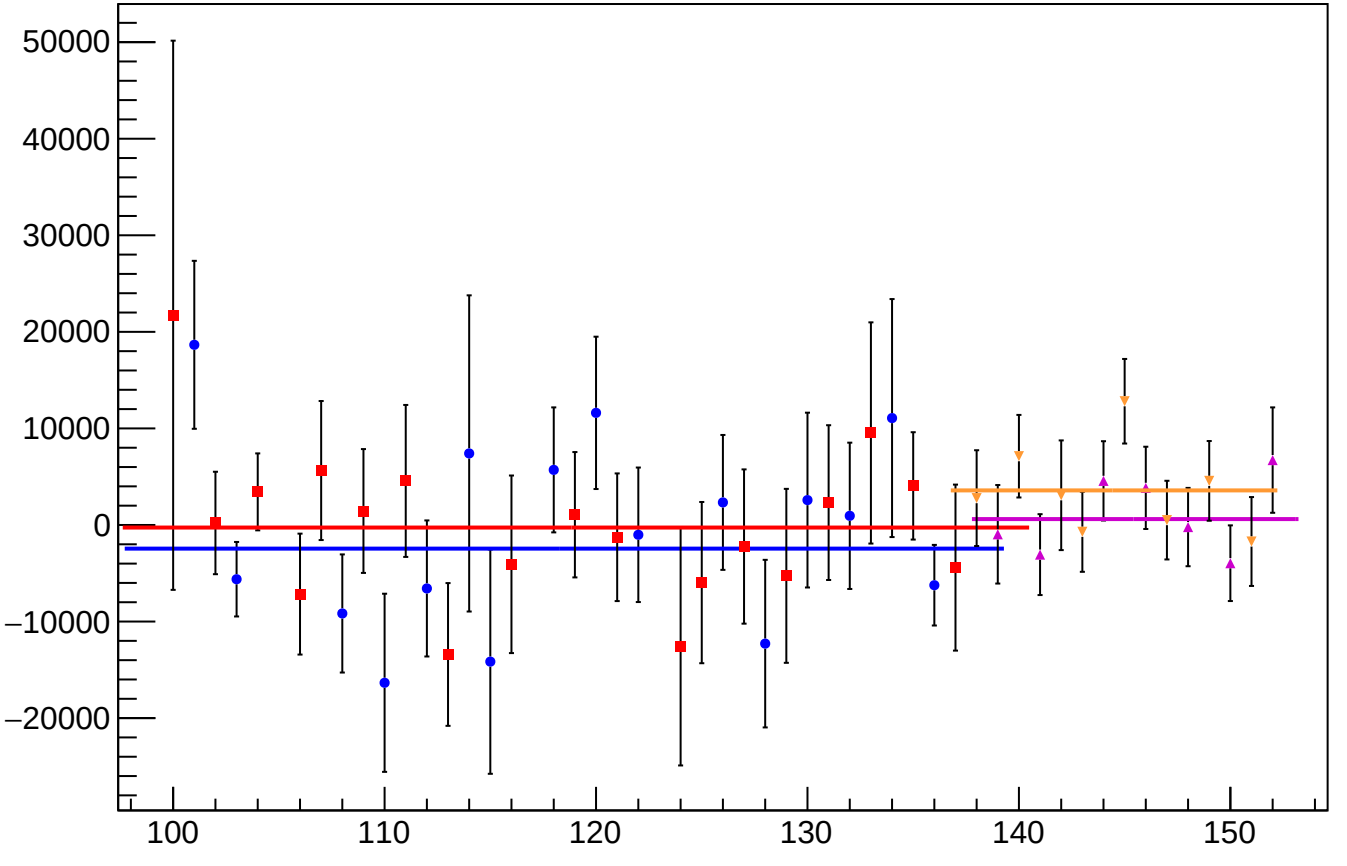
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3842.844+/-0.761 χ^2/NDF:1053057.7/22

Out: 3602.171+/-0.708 χ^2/NDF:1253979.8/26

All: 3713.928+/-0.518 χ^2/NDF: 2360661.1/49

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: 610.855+/-1645.336 χ^2/NDF:5.0/6

Left: 2160.286+/-1137.954 χ^2/NDF: 14.9/14

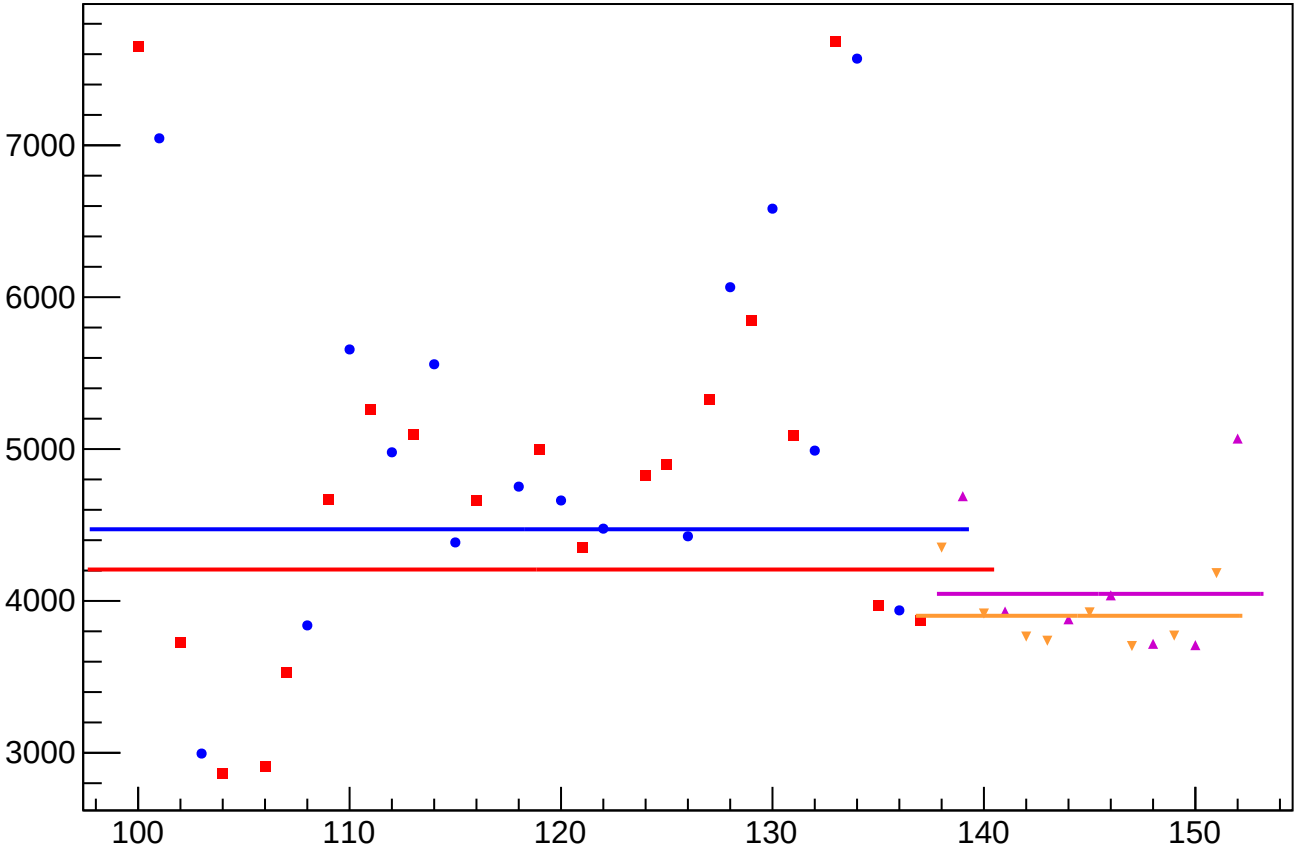
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -851.138+/-1188.847 χ^2/NDF:27.5/22

Out: 1714.143+/-1130.342 χ^2/NDF:21.8/26

All: 496.174+/-819.174 χ^2/NDF: 51.8/49

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: 4046.656+/-1.163 χ^2/NDF:134880.3/6

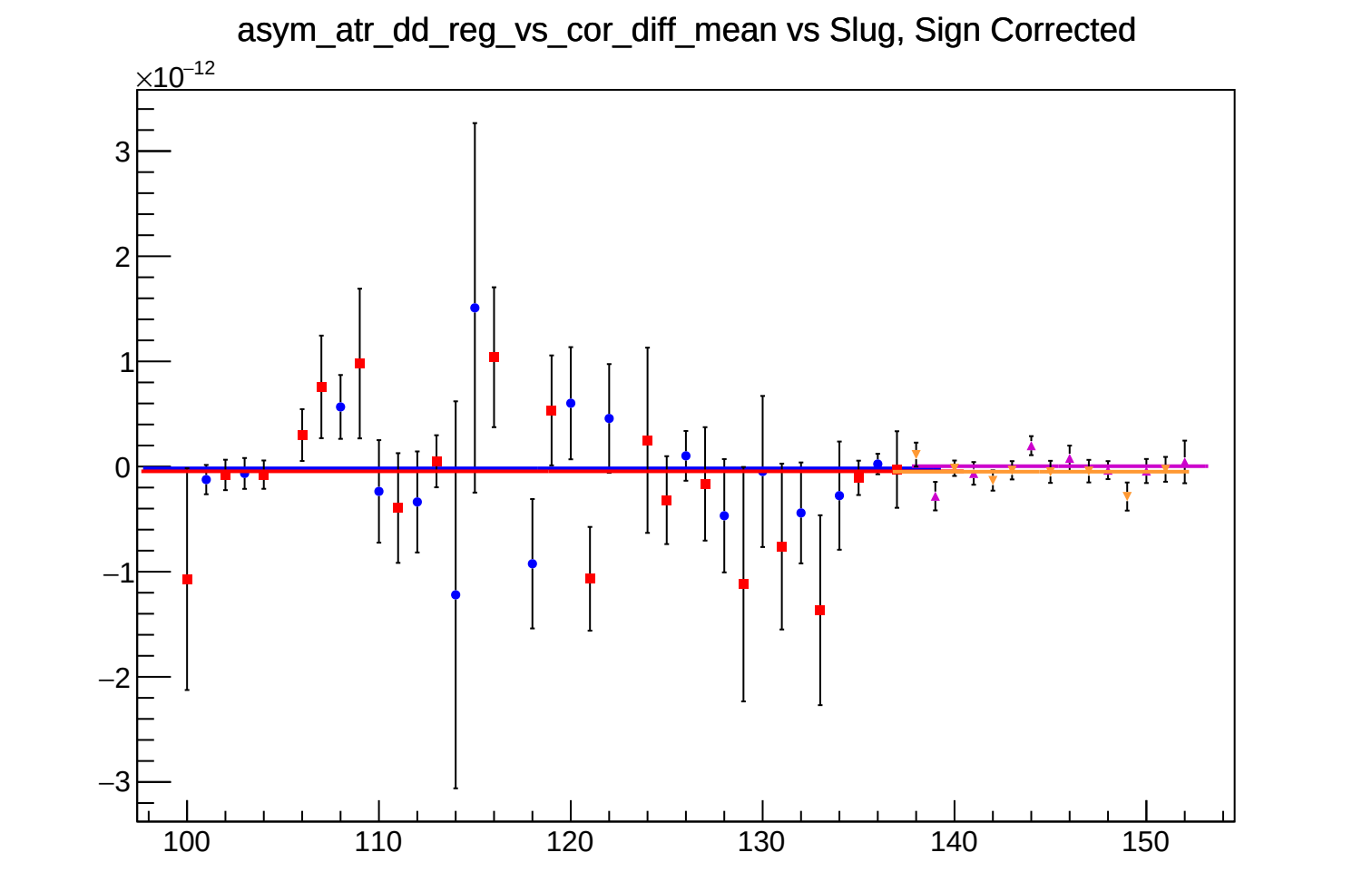
Left: 3971.360+/-0.805 χ^2/NDF: 177876.1/14

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4249.888+/-0.841 χ^2/NDF:1090407.8/22

Out: 4051.380+/-0.796 χ^2/NDF:918072.8/26

All: 4145.234+/-0.578 χ^2/NDF: 2037878.1/49



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:10.3/6

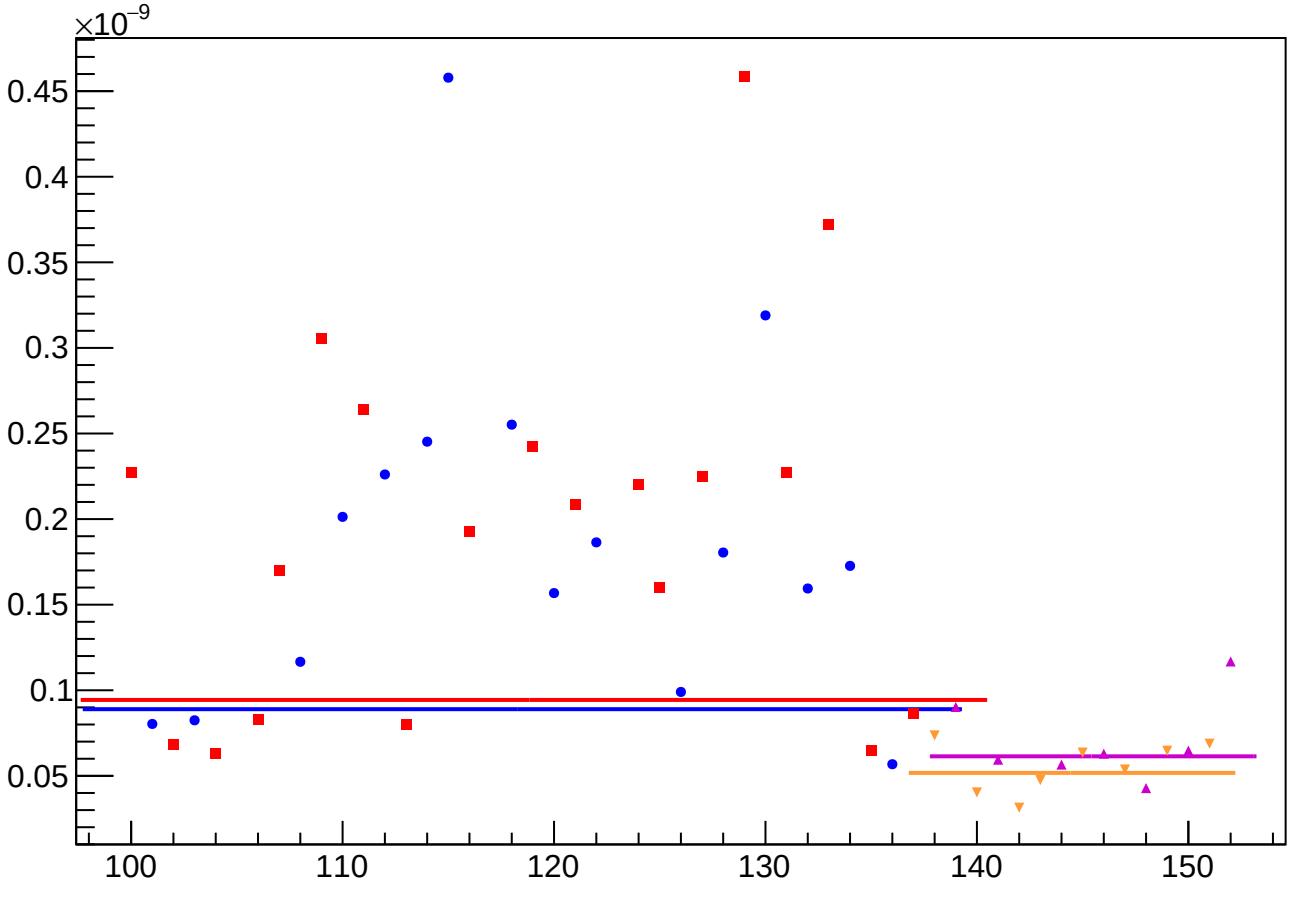
Left: -0.000+/-0.000 χ^2/NDF: 17.4/14

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:23.1/22

Out: -0.000+/-0.000 χ^2/NDF:27.4/26

All: -0.000+/-0.000 χ^2/NDF: 51.4/49



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:342681.5/6

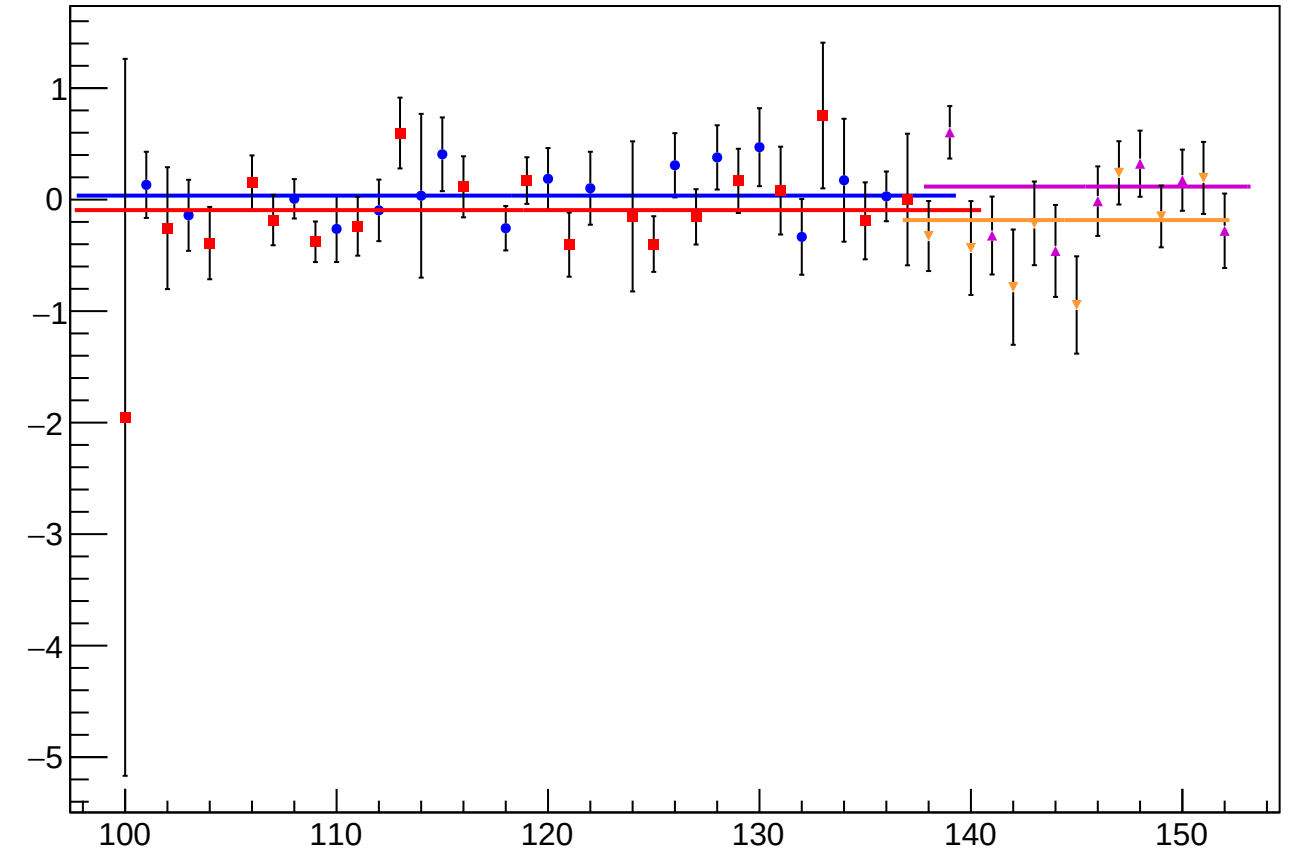
Left: 0.000+/-0.000 χ^2/NDF: 707535.9/14

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:1847052.0/22

Out: 0.000+/-0.000 χ^2/NDF:2615988.7/26

All: 0.000+/-0.000 χ^2/NDF: 4544939.3/49



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: 0.117+/-0.115 χ^2/NDF:9.9/6

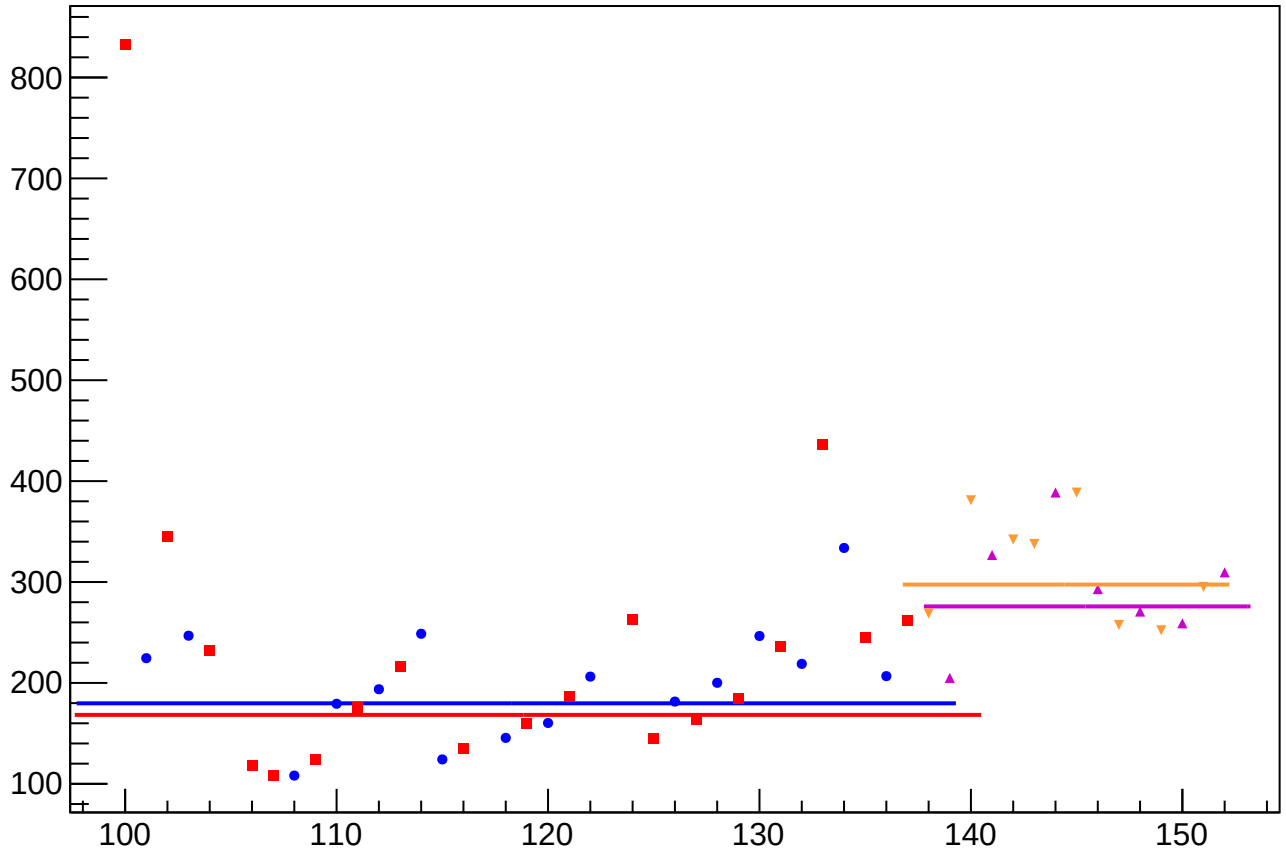
Left: -0.024+/-0.084 χ^2/NDF: 21.7/14

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.058+/-0.060 χ^2/NDF:20.8/22

Out: -0.115+/-0.059 χ^2/NDF:26.6/26

All: -0.030+/-0.042 χ^2/NDF: 51.7/49



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: 275.814+/-0.081 χ^2/NDF:408466.5/6

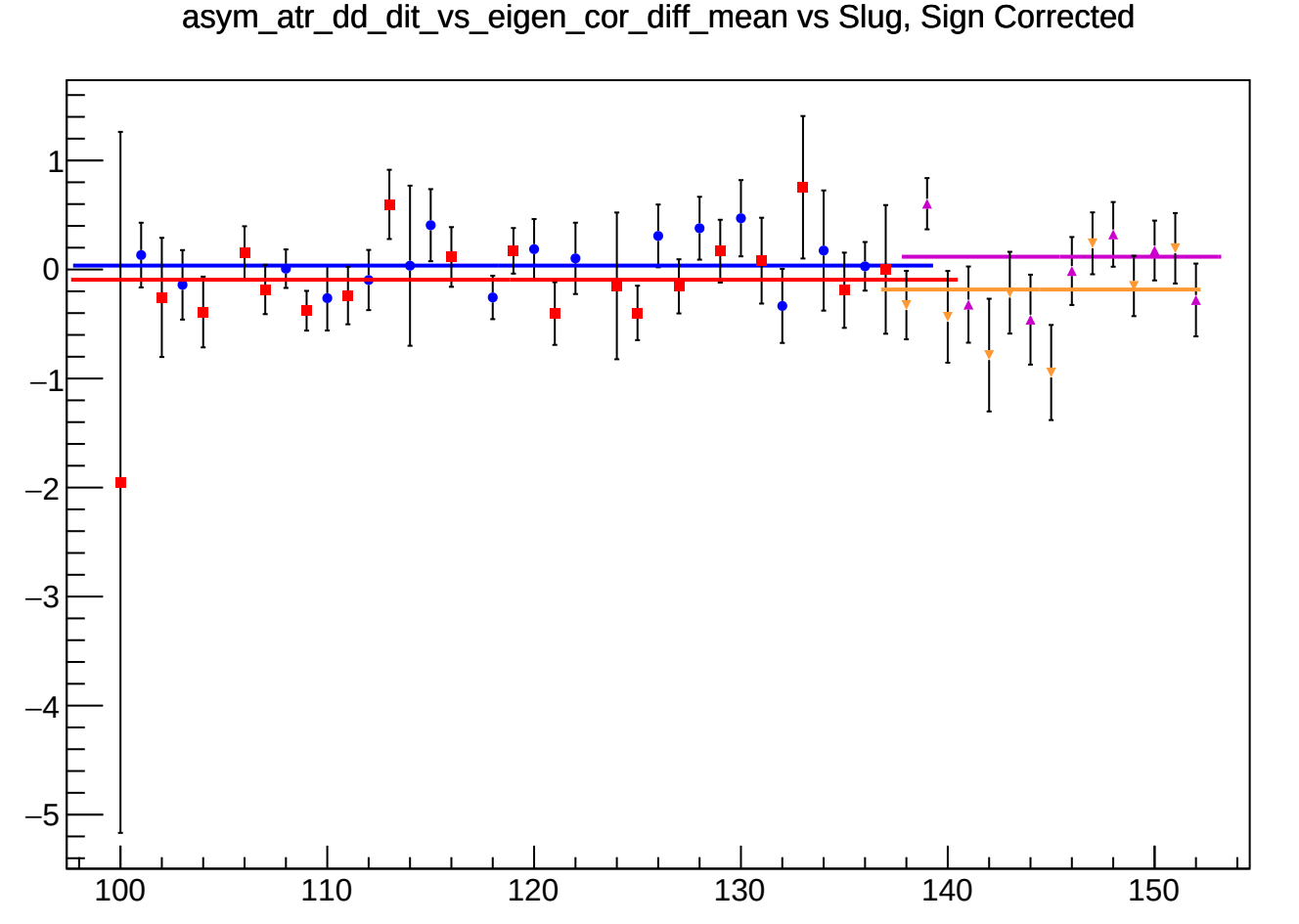
Left: 285.966+/-0.059 χ^2/NDF: 756173.1/14

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

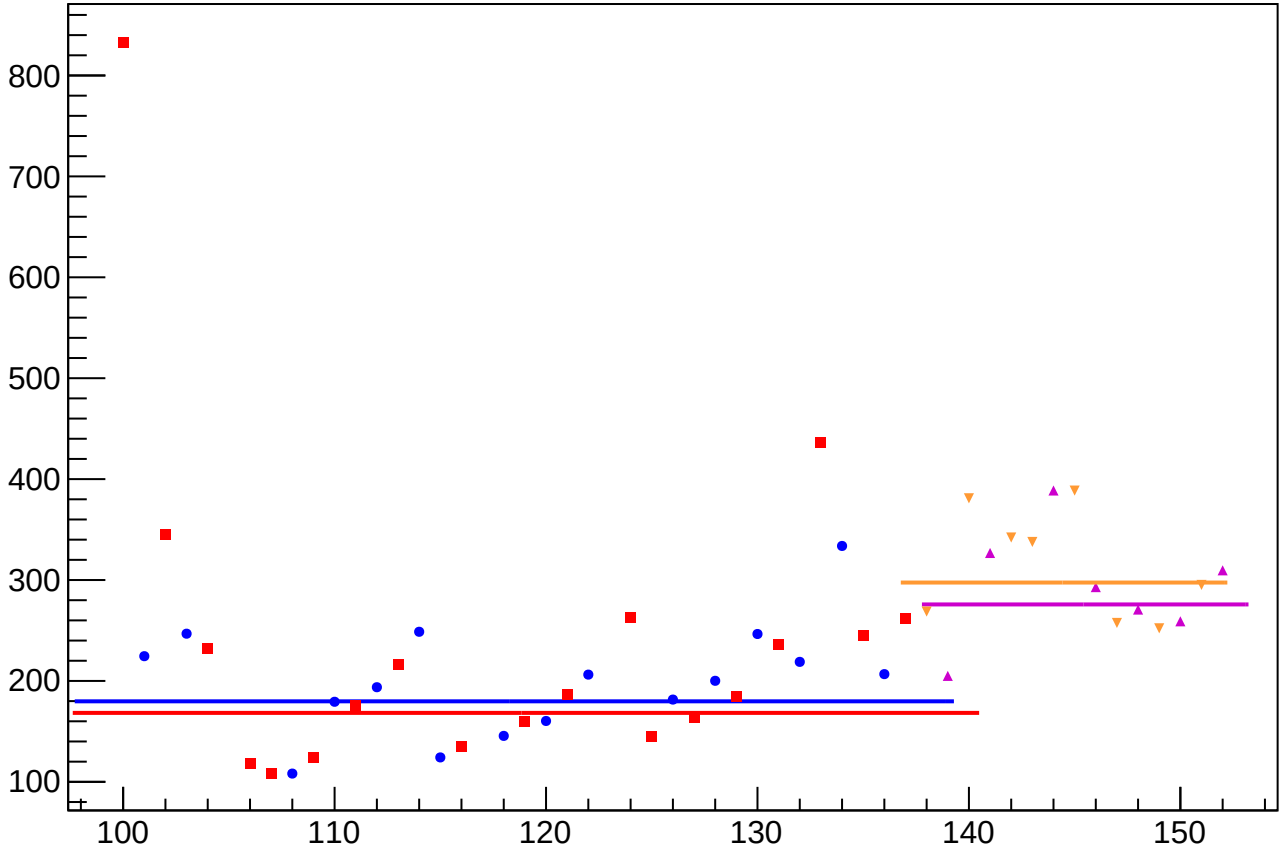
In: 206.185+/-0.042 χ^2/NDF:2344319.0/22

Out: 198.614+/-0.042 χ^2/NDF:3433569.2/26

All: 202.341+/-0.030 χ^2/NDF: 5794004.3/49


asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.184+/-0.122 χ²/NDF:8.6/7
Right Out: -0.094+/-0.068 χ²/NDF: 17.6/18
Left In: 0.117+/-0.115 χ²/NDF:9.9/6
Left: -0.024+/-0.084 χ²/NDF: 21.7/14
Right: -0.032+/-0.049 χ²/NDF: 29.9/34
In: 0.058+/-0.060 χ²/NDF:20.8/22
Out: -0.115+/-0.059 χ²/NDF:26.6/26
All: -0.030+/-0.042 χ²/NDF: 51.7/49

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: 275.814+/-0.081 χ^2/NDF:408466.5/6

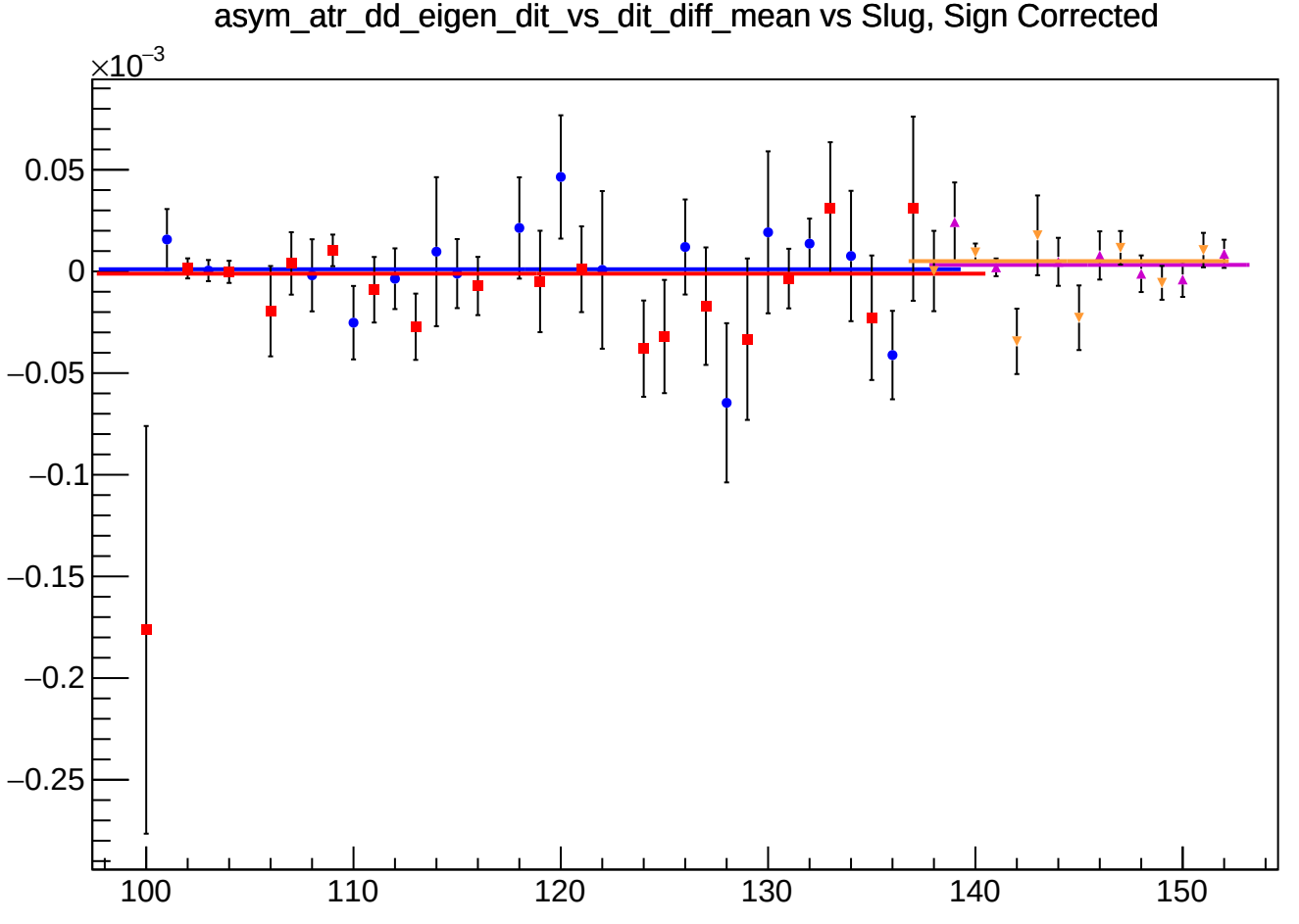
Left: 285.966+/-0.059 χ^2/NDF: 756173.1/14

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 206.185+/-0.042 χ^2/NDF:2344319.0/22

Out: 198.614+/-0.042 χ^2/NDF:3433569.2/26

All: 202.341+/-0.030 χ^2/NDF: 5794004.3/49



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:3.0/6

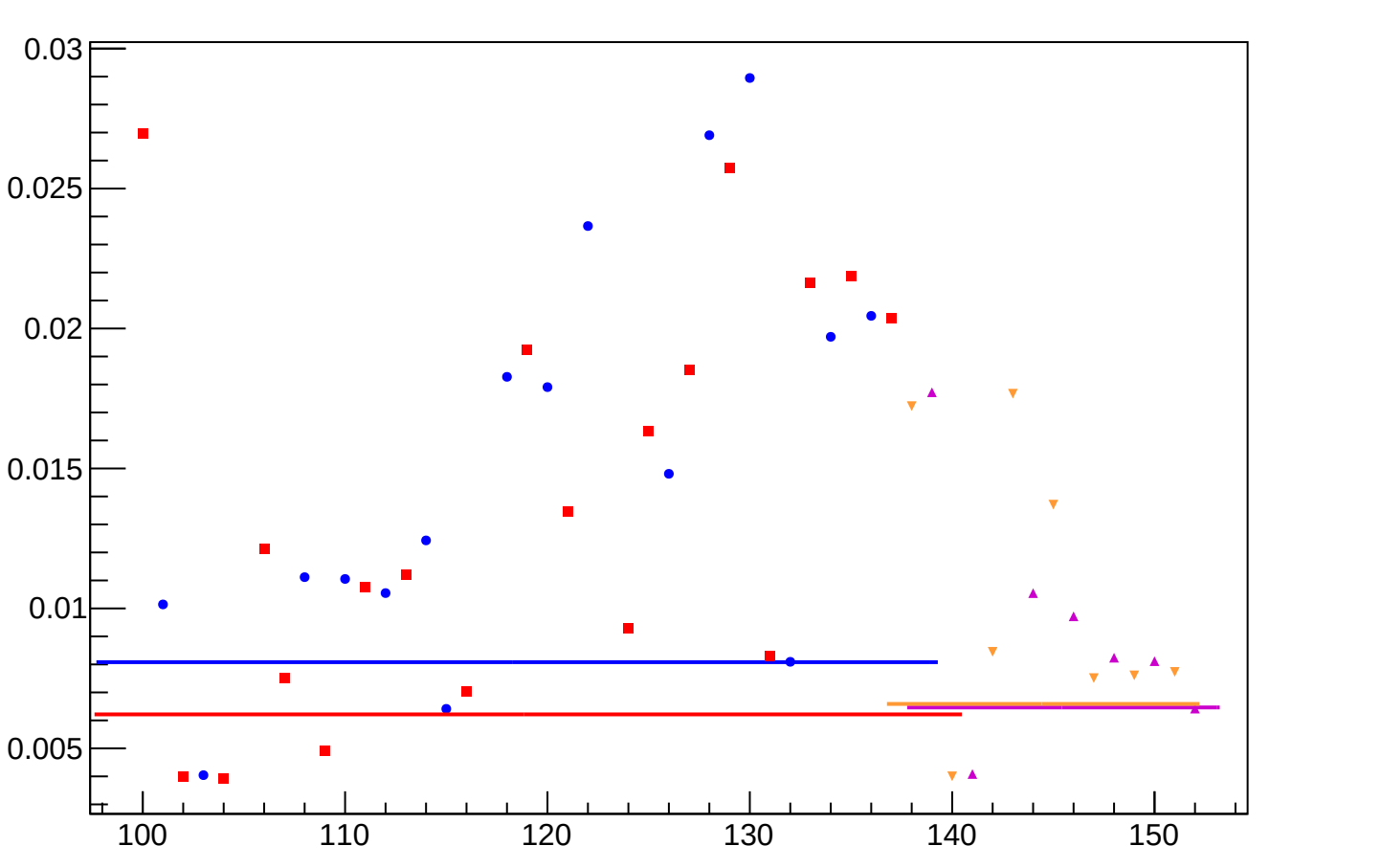
Left: 0.000+/-0.000 χ^2/NDF: 16.4/14

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

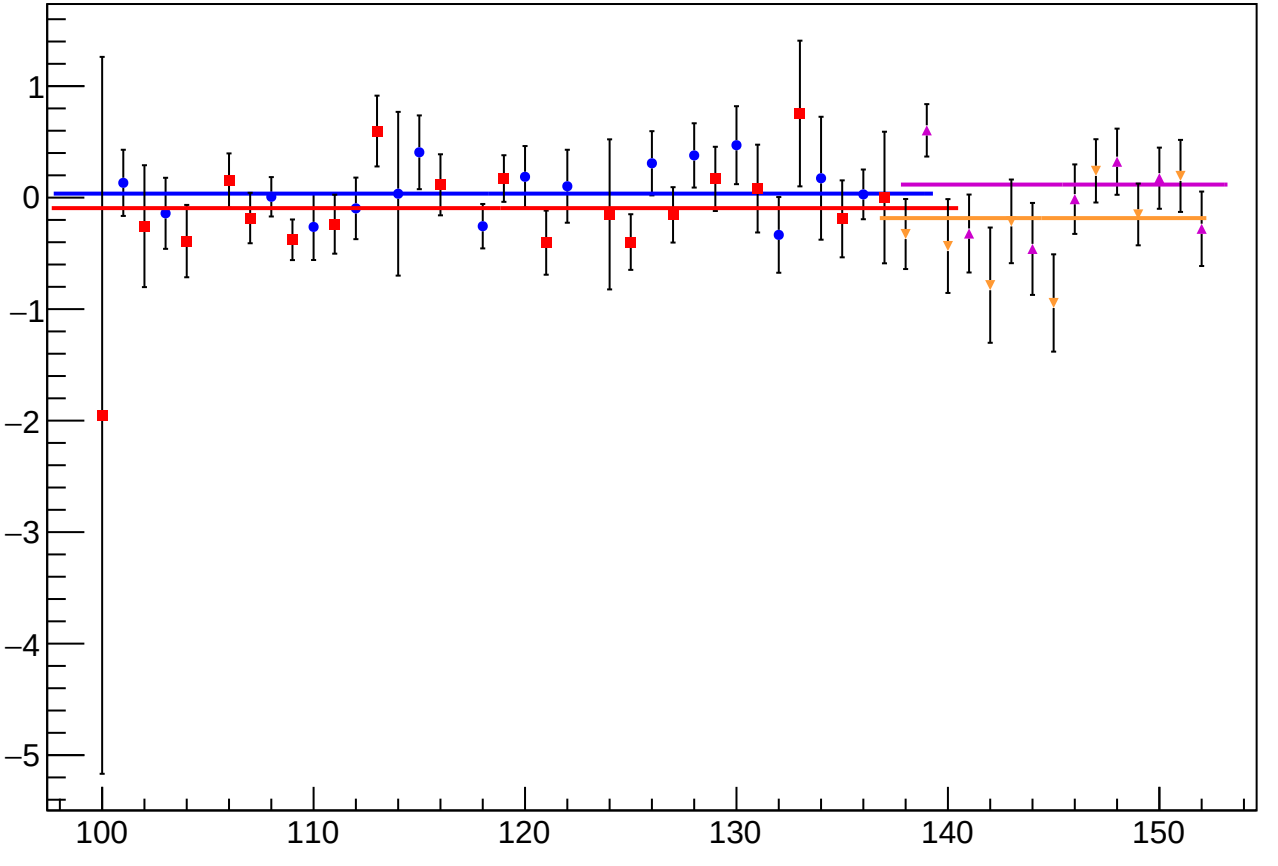
In: 0.000+/-0.000 χ^2/NDF:17.5/22

Out: 0.000+/-0.000 χ^2/NDF:31.4/26

All: 0.000+/-0.000 χ^2/NDF: 48.9/49


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
Right In: 0.008+/-0.000 χ²/NDF: 4413462.8/15
Left Out: 0.007+/-0.000 χ²/NDF:2438694.4/7
Right Out: 0.006+/-0.000 χ²/NDF: 4560988.3/18
Left In: 0.006+/-0.000 χ²/NDF:1807986.5/6
Left: 0.007+/-0.000 χ²/NDF: 4248449.0/14
Right: 0.007+/-0.000 χ²/NDF: 9295058.4/34
In: 0.007+/-0.000 χ²/NDF:6455497.9/22
Out: 0.006+/-0.000 χ²/NDF:7015938.4/26
All: 0.007+/-0.000 χ²/NDF: 13572847.7/49

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: 0.117+/-0.115 χ^2/NDF:9.9/6

Left: -0.024+/-0.084 χ^2/NDF: 21.7/14

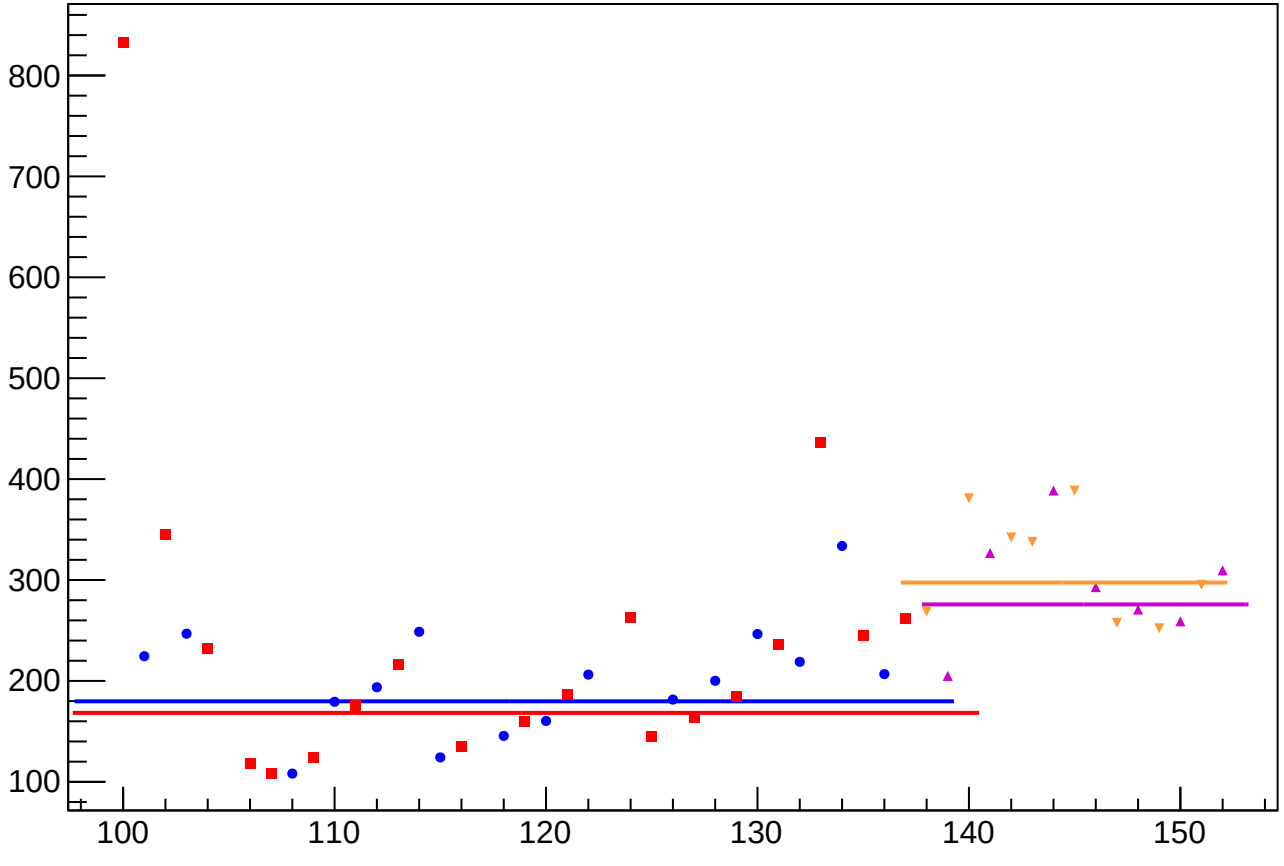
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.058+/-0.060 χ^2/NDF:20.8/22

Out: -0.115+/-0.059 χ^2/NDF:26.6/26

All: -0.030+/-0.042 χ^2/NDF: 51.7/49

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 297.509+/-0.086 χ^2/NDF:314181.3/7

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 275.817+/-0.081 χ^2/NDF:408440.1/6

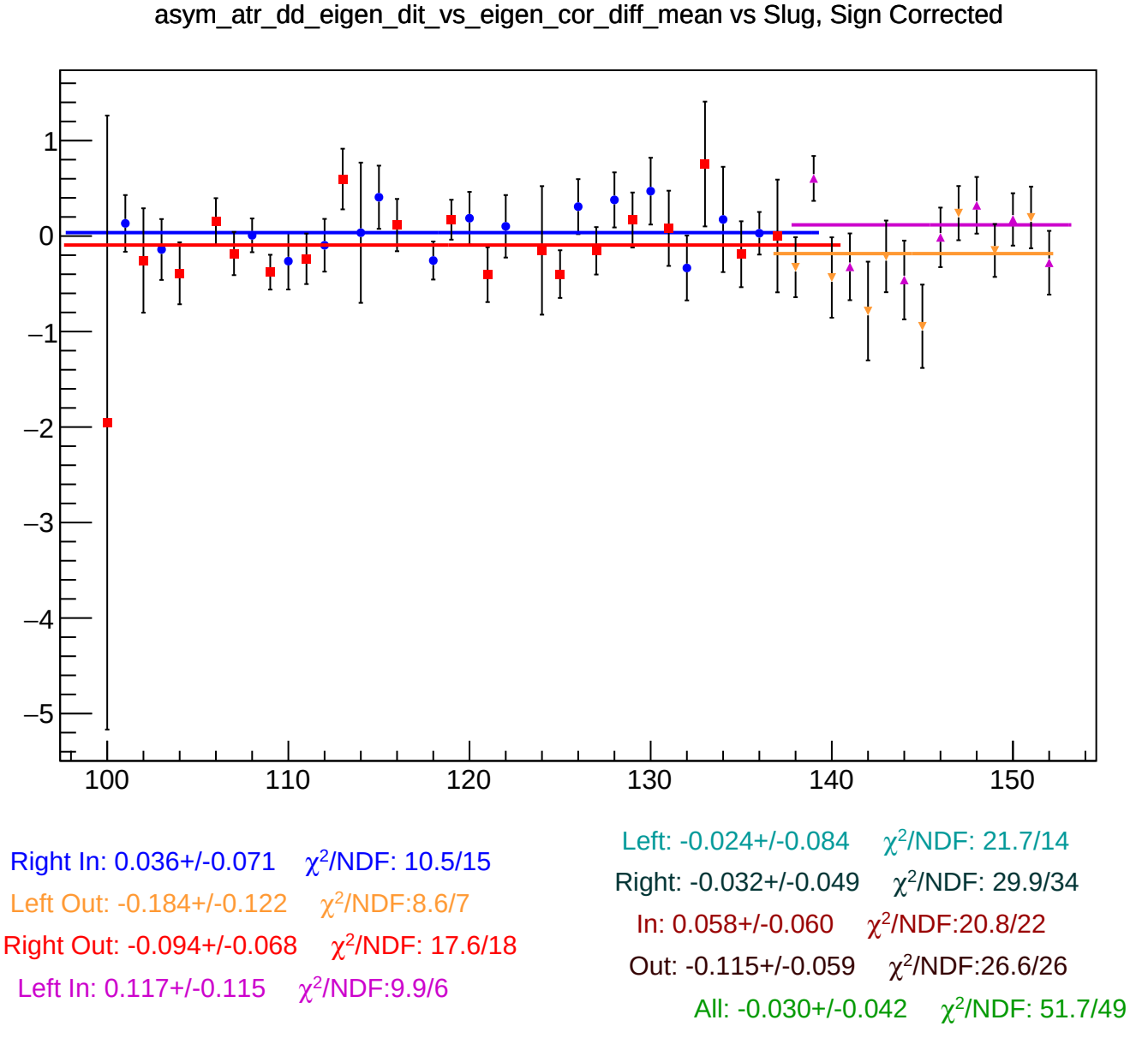
Left: 285.970+/-0.059 χ^2/NDF: 756130.5/14

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 206.183+/-0.042 χ^2/NDF:2344462.9/22

Out: 198.614+/-0.042 χ^2/NDF:3433632.5/26

All: 202.340+/-0.030 χ^2/NDF: 5794203.0/49


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
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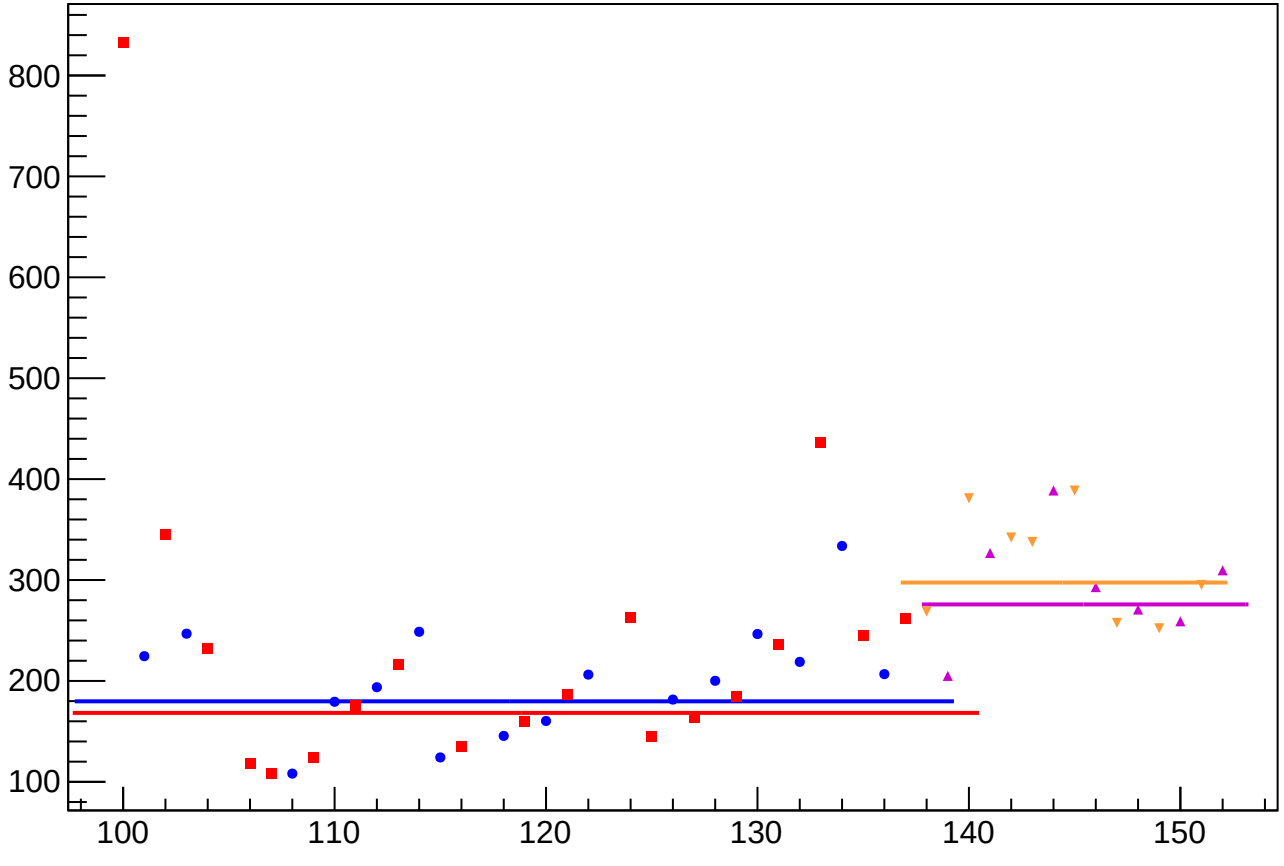
−2
−3
−4
−5
100
110
120
130
140
150
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.184+/-0.122 χ²/NDF:8.6/7
Right Out: -0.094+/-0.068 χ²/NDF: 17.6/18
Left In: 0.117+/-0.115 χ²/NDF:9.9/6
Left: -0.024+/-0.084 χ²/NDF: 21.7/14
Right: -0.032+/-0.049 χ²/NDF: 29.9/34
In: 0.058+/-0.060 χ²/NDF:20.8/22
Out: -0.115+/-0.059 χ²/NDF:26.6/26
All: -0.030+/-0.042 χ²/NDF: 51.7/49

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: 275.817+/-0.081 χ^2/NDF:408440.1/6

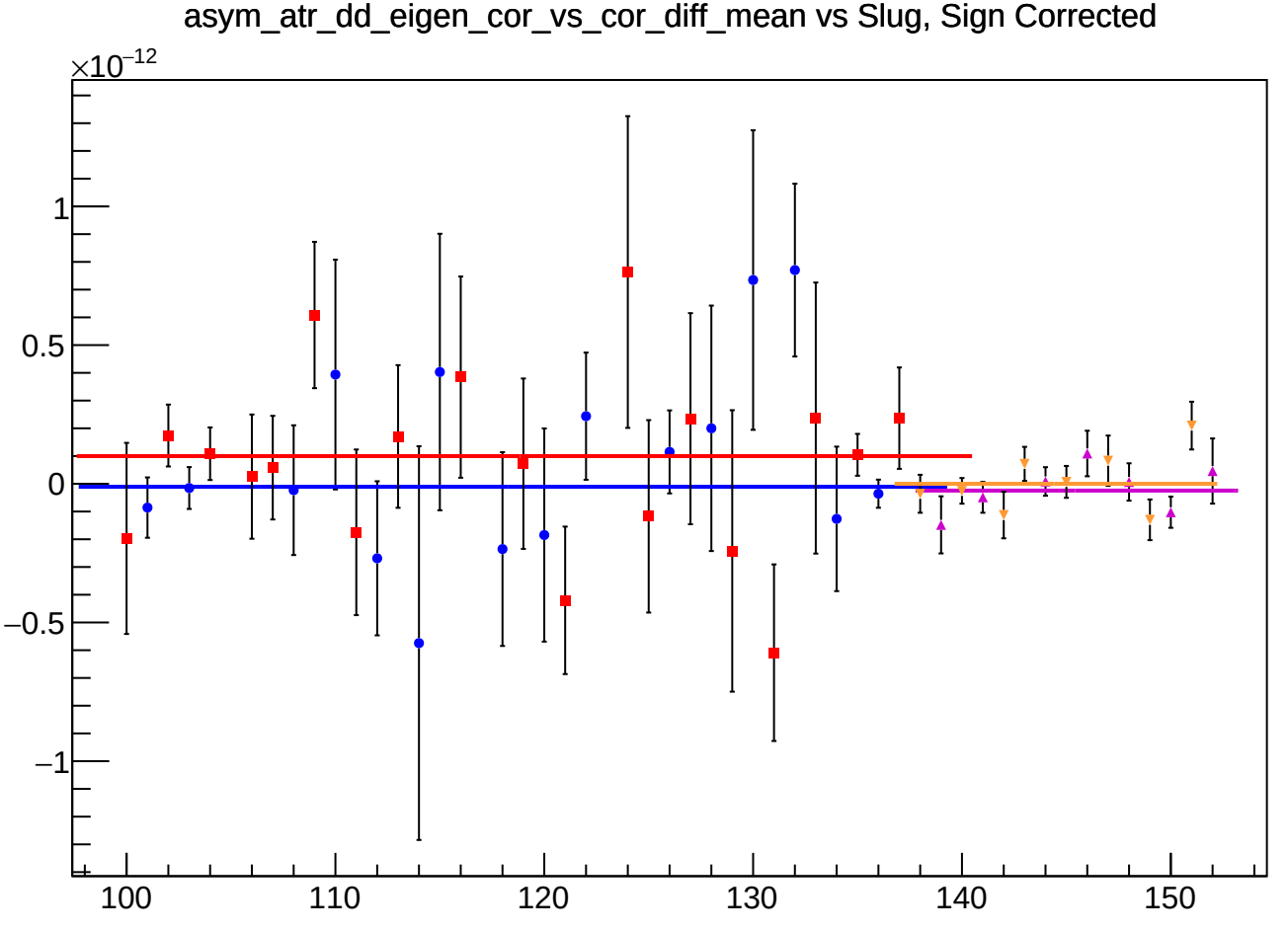
Left: 285.970+/-0.059 χ^2/NDF: 756130.5/14

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 206.183+/-0.042 χ^2/NDF:2344462.9/22

Out: 198.614+/-0.042 χ^2/NDF:3433632.5/26

All: 202.340+/-0.030 χ^2/NDF: 5794203.0/49



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:7.2/6

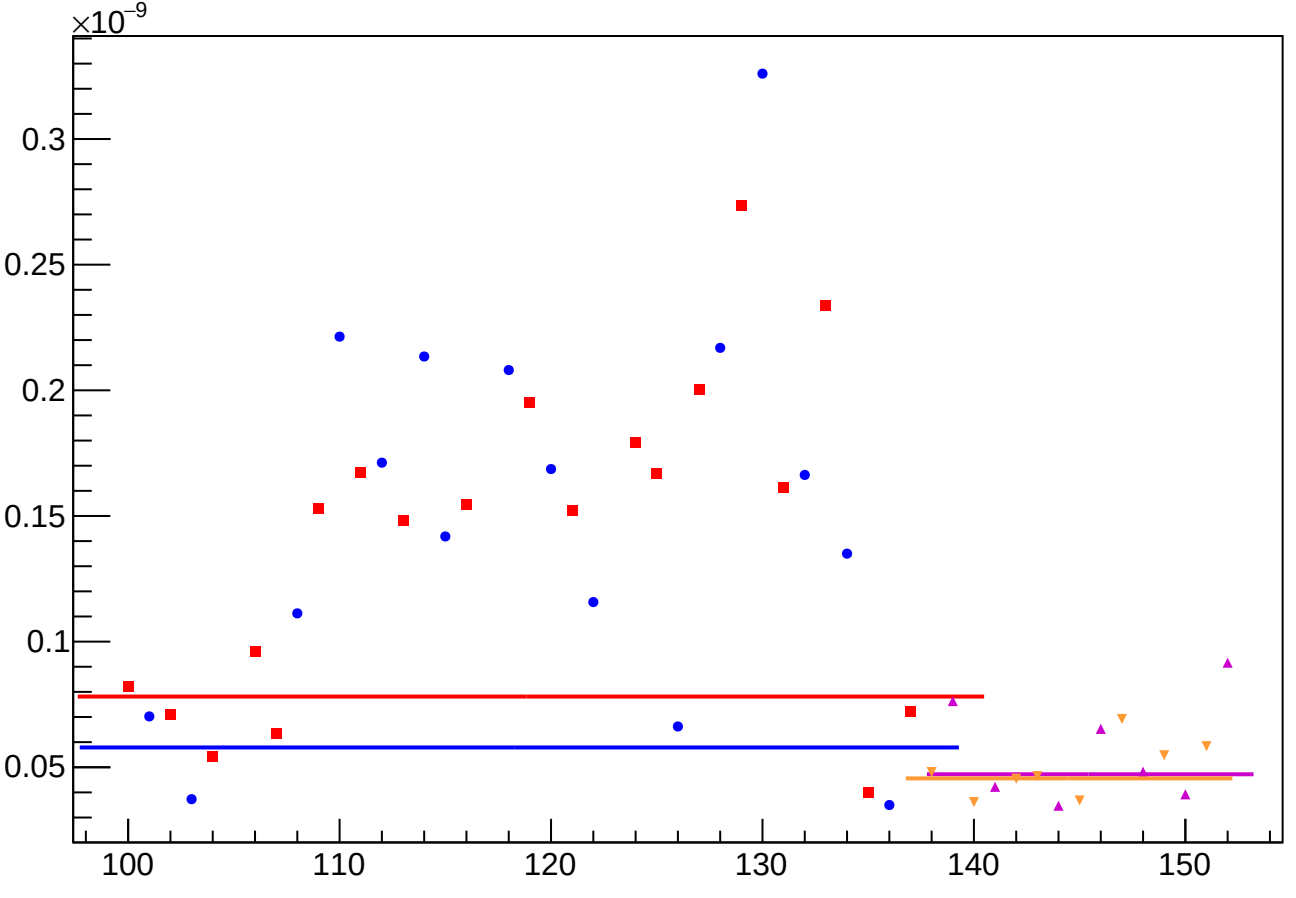
Left: -0.000+/-0.000 χ^2/NDF: 21.4/14

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:22.3/22

Out: 0.000+/-0.000 χ^2/NDF:36.4/26

All: 0.000+/-0.000 χ^2/NDF: 60.9/49



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:718033.8/6

Left: 0.000+/-0.000 χ^2/NDF: 1067674.0/14

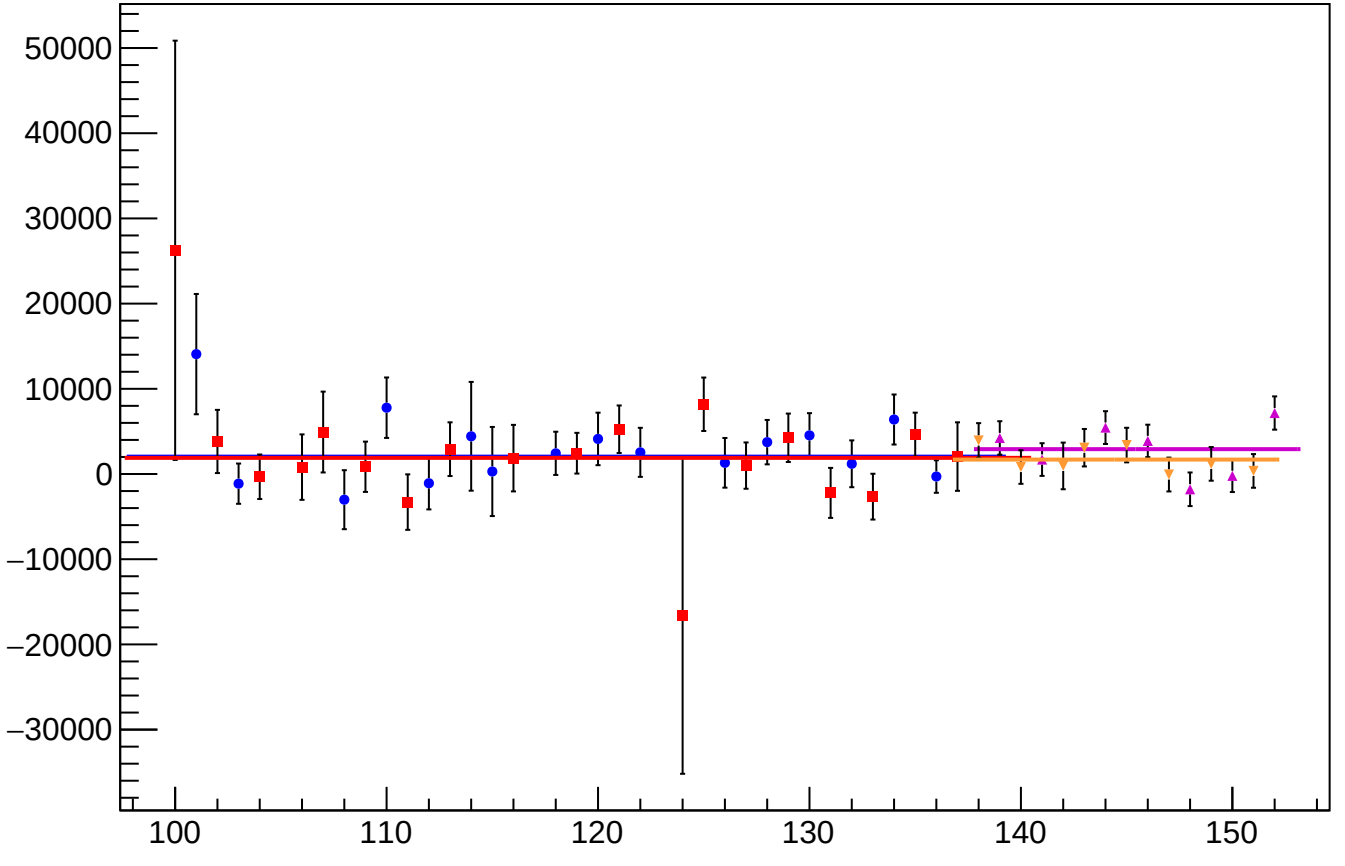
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:4161720.4/22

Out: 0.000+/-0.000 χ^2/NDF:3992165.6/26

All: 0.000+/-0.000 χ^2/NDF: 8167309.0/49

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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: 2917.482+/-730.817 χ^2/NDF:16.0/6

Left: 2310.439+/-518.551 χ^2/NDF: 21.2/14

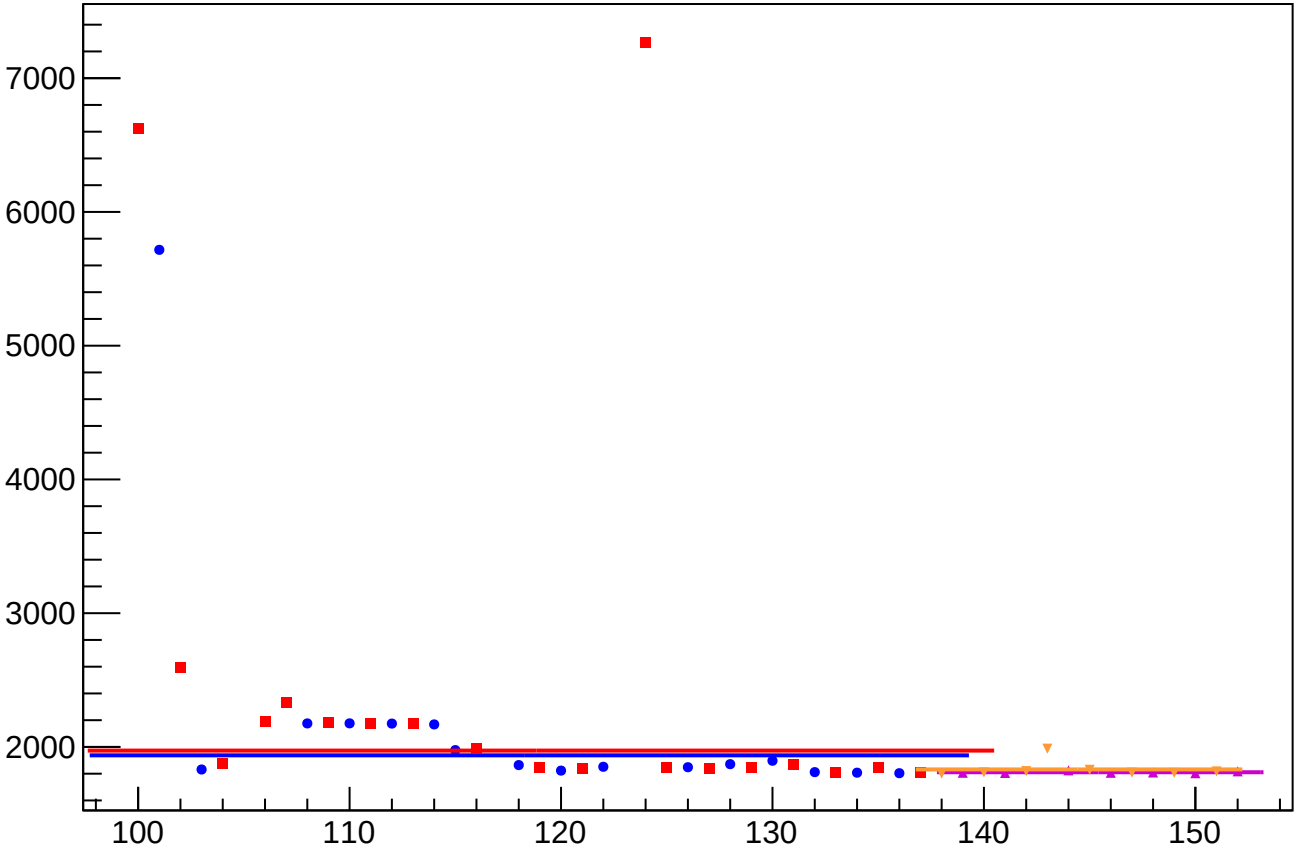
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2481.576+/-518.662 χ^2/NDF:33.1/22

Out: 1794.970+/-520.662 χ^2/NDF:22.4/26

All: 2139.594+/-367.455 χ^2/NDF: 56.4/49

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: 1810.792+/-0.517 χ^2/NDF:194.5/6

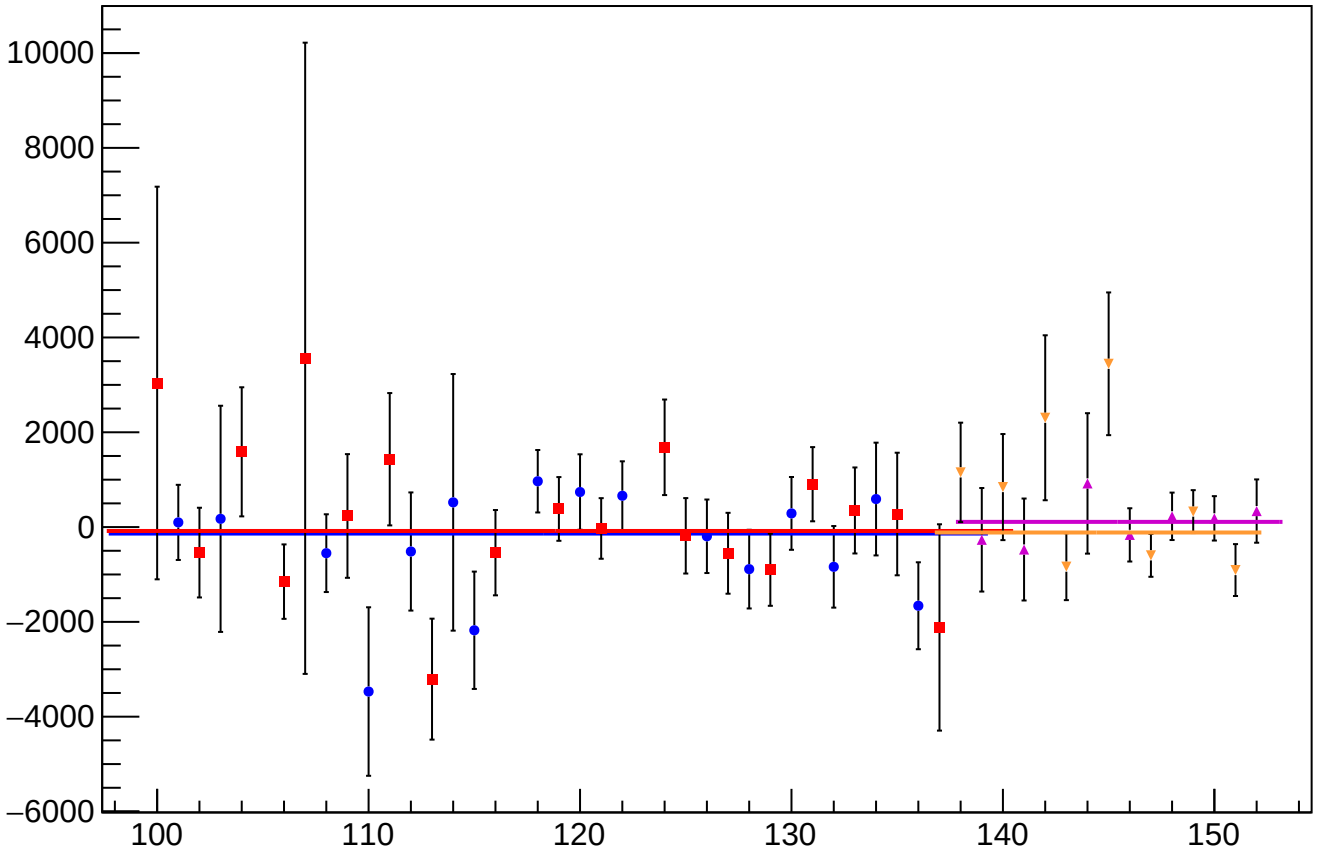
Left: 1821.245+/-0.367 χ^2/NDF: 12474.5/14

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1873.557+/-0.367 χ^2/NDF:668009.0/22

Out: 1902.219+/-0.368 χ^2/NDF:425617.9/26

All: 1887.833+/-0.260 χ^2/NDF: 1096669.2/49



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: 109.663+/-249.039 χ^2/NDF:1.1/6

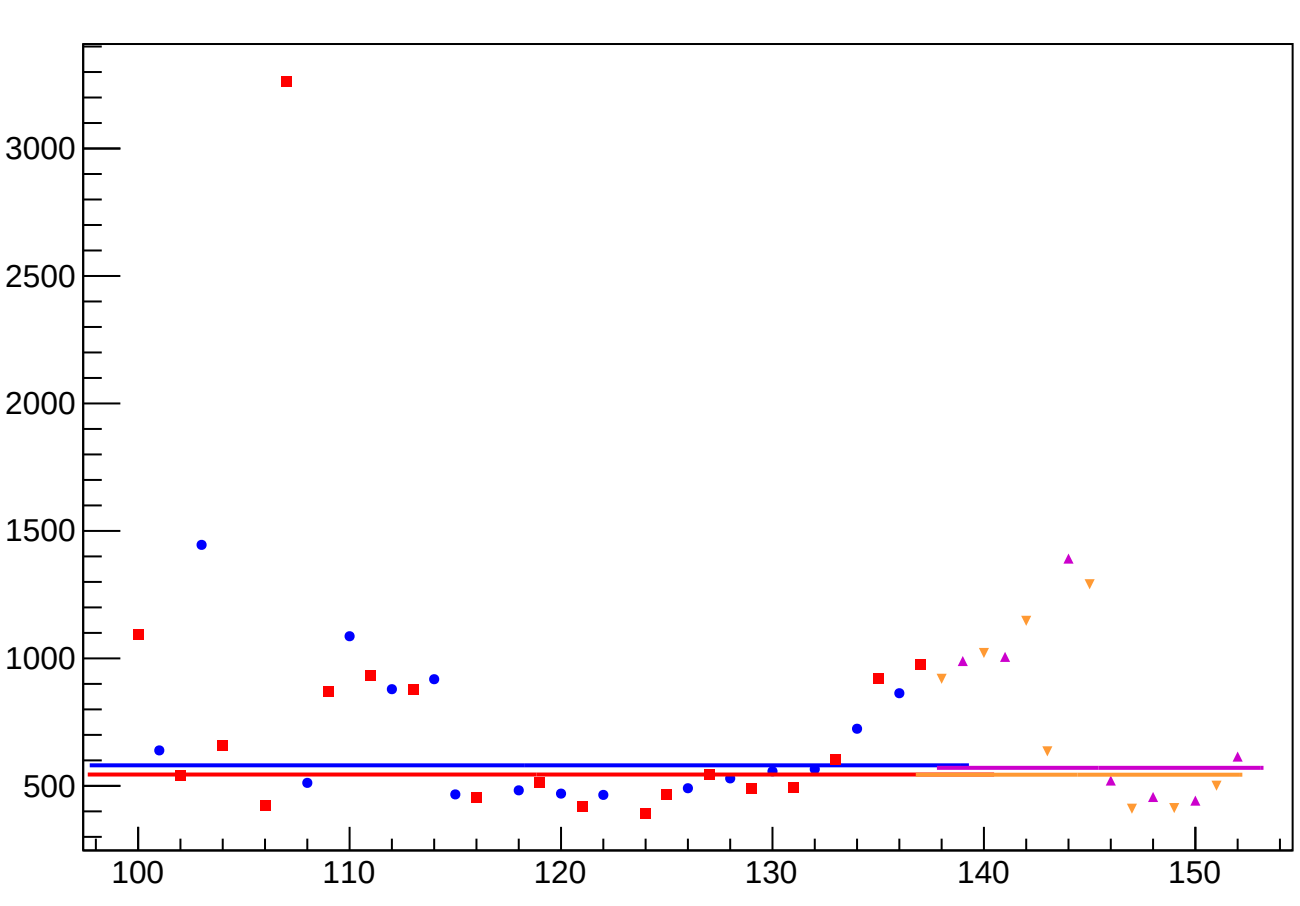
Left: -7.354+/-172.220 χ^2/NDF: 16.5/14

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: -23.035+/-169.135 χ^2/NDF:18.6/22

Out: -97.301+/-162.480 χ^2/NDF:34.7/26

All: -61.658+/-117.173 χ^2/NDF: 53.4/49



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 543.821+/-0.169 χ^2/NDF:1741711.4/7

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 570.761+/-0.176 χ^2/NDF:1515472.1/6

Left: 556.704+/-0.122 χ^2/NDF: 3269395.3/14

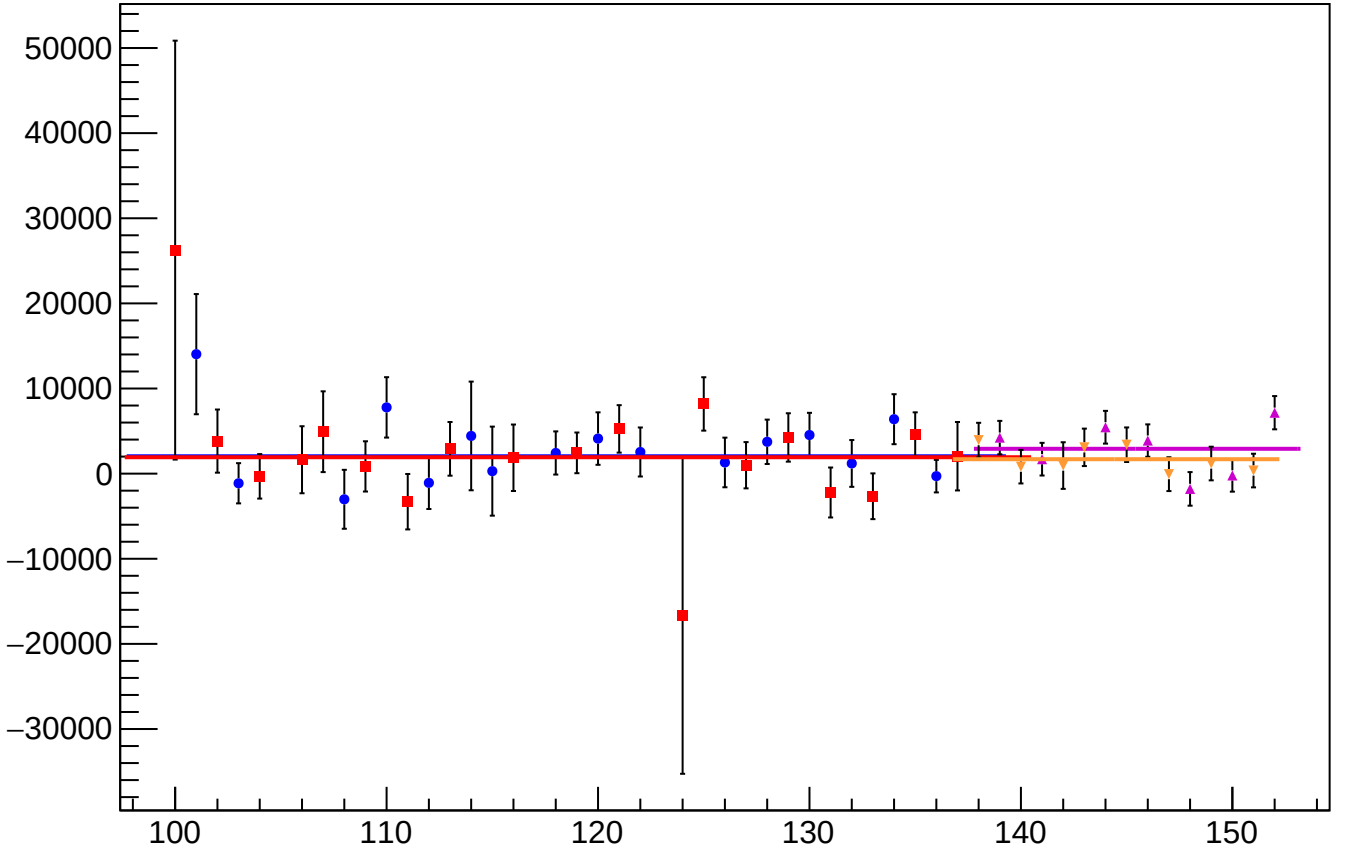
Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 576.067+/-0.120 χ^2/NDF:2520568.5/22

Out: 544.201+/-0.115 χ^2/NDF:3029363.8/26

All: 559.495+/-0.083 χ^2/NDF: 5586854.8/49

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: 2917.719+/-730.817 χ^2/NDF:16.0/6

Left: 2310.520+/-518.551 χ^2/NDF: 21.2/14

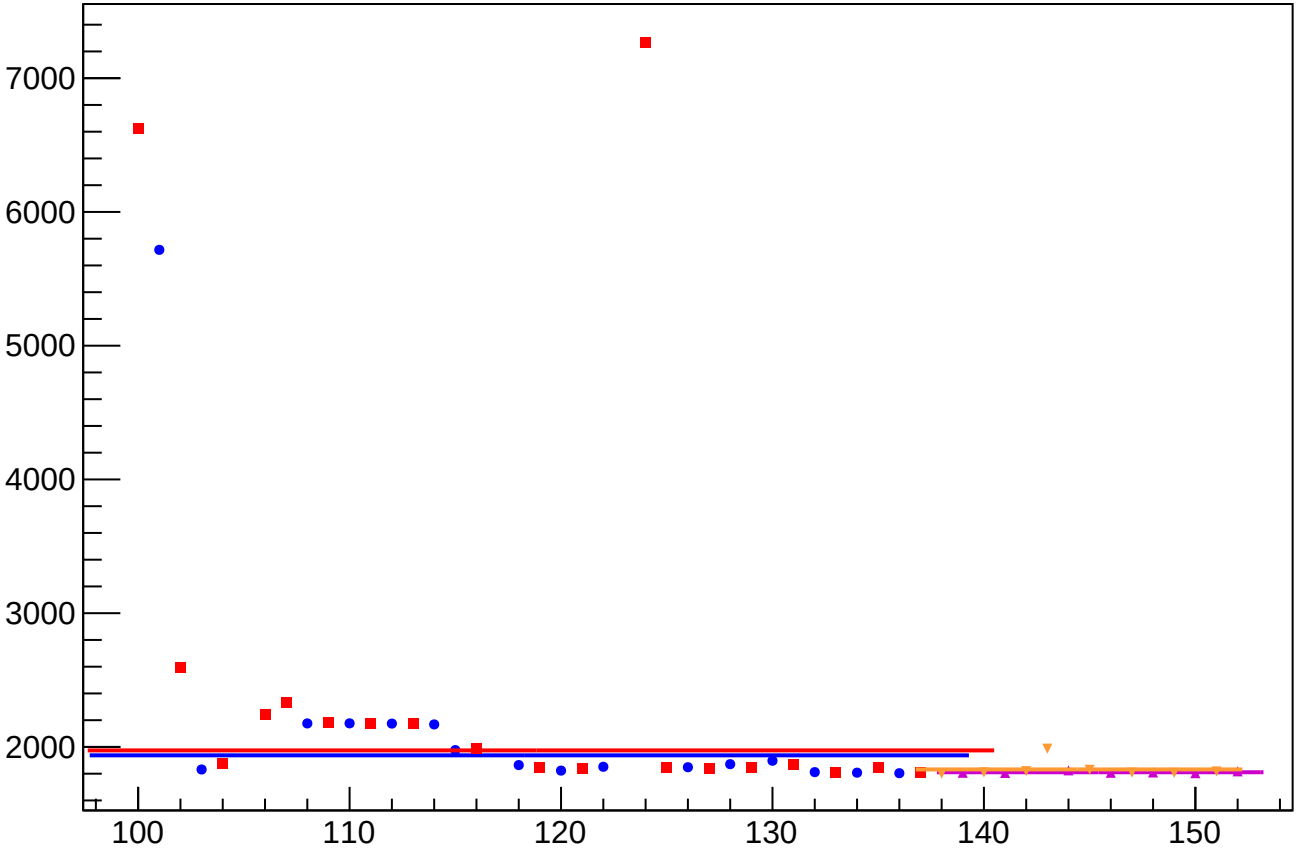
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2481.512+/-518.662 χ^2/NDF:33.1/22

Out: 1810.322+/-520.891 χ^2/NDF:22.4/26

All: 2147.356+/-367.535 χ^2/NDF: 56.3/49

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: 1810.792+/-0.517 χ^2/NDF:194.5/6

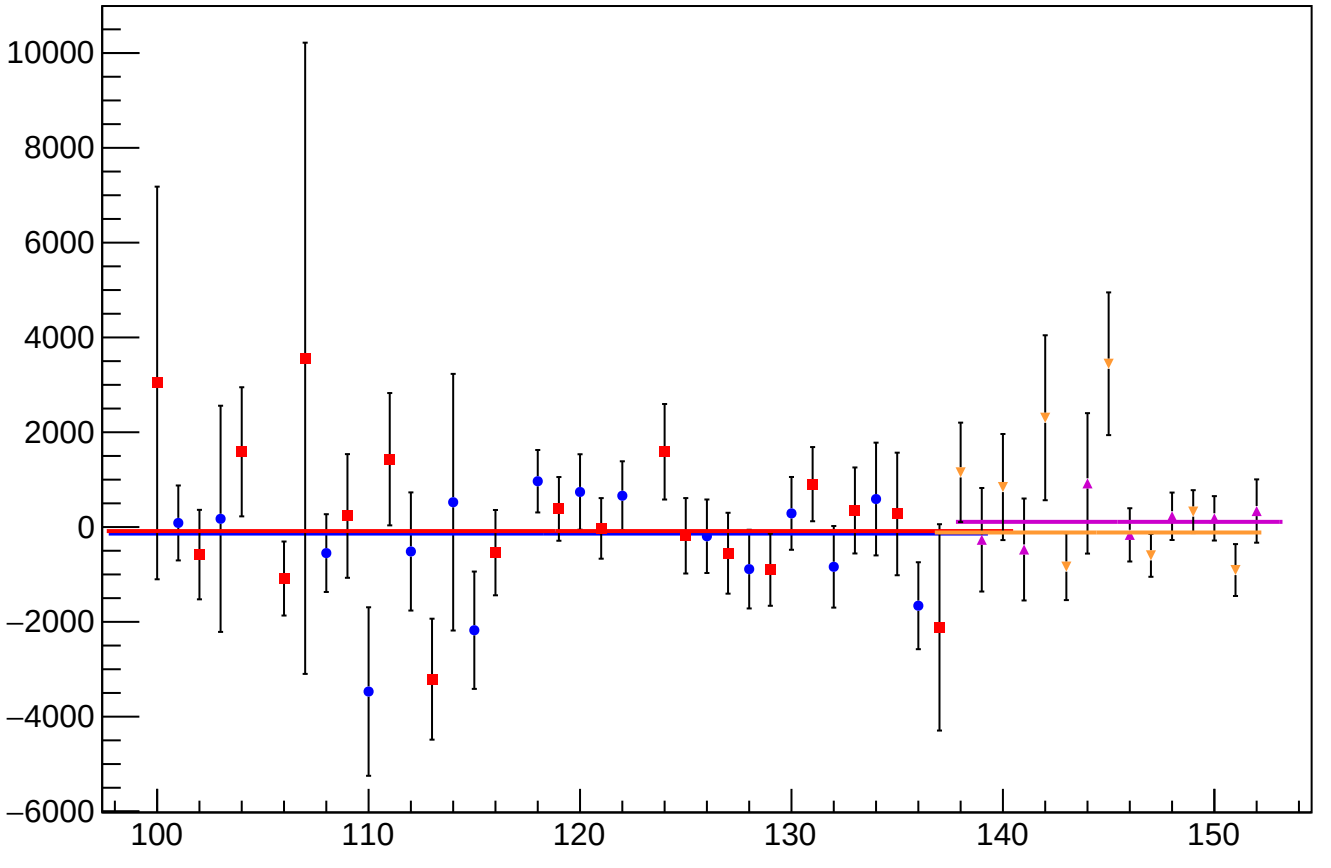
Left: 1821.245+/-0.367 χ^2/NDF: 12474.5/14

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1873.556+/-0.367 χ^2/NDF:668009.0/22

Out: 1902.853+/-0.368 χ^2/NDF:429207.1/26

All: 1888.142+/-0.260 χ^2/NDF: 1100393.0/49



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: 109.667+/-249.041 χ^2/NDF:1.2/6

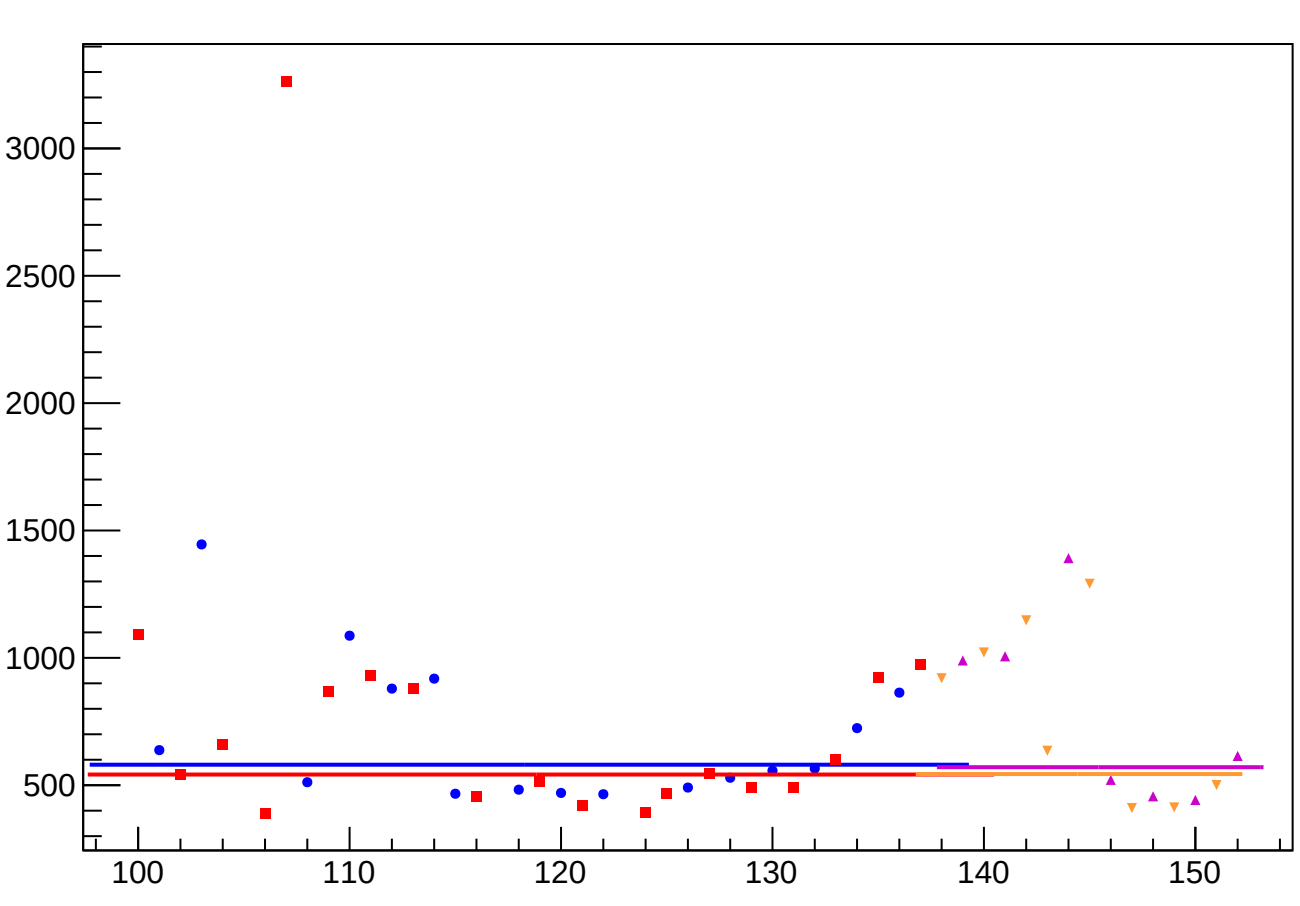
Left: -7.535+/-172.220 χ^2/NDF: 16.5/14

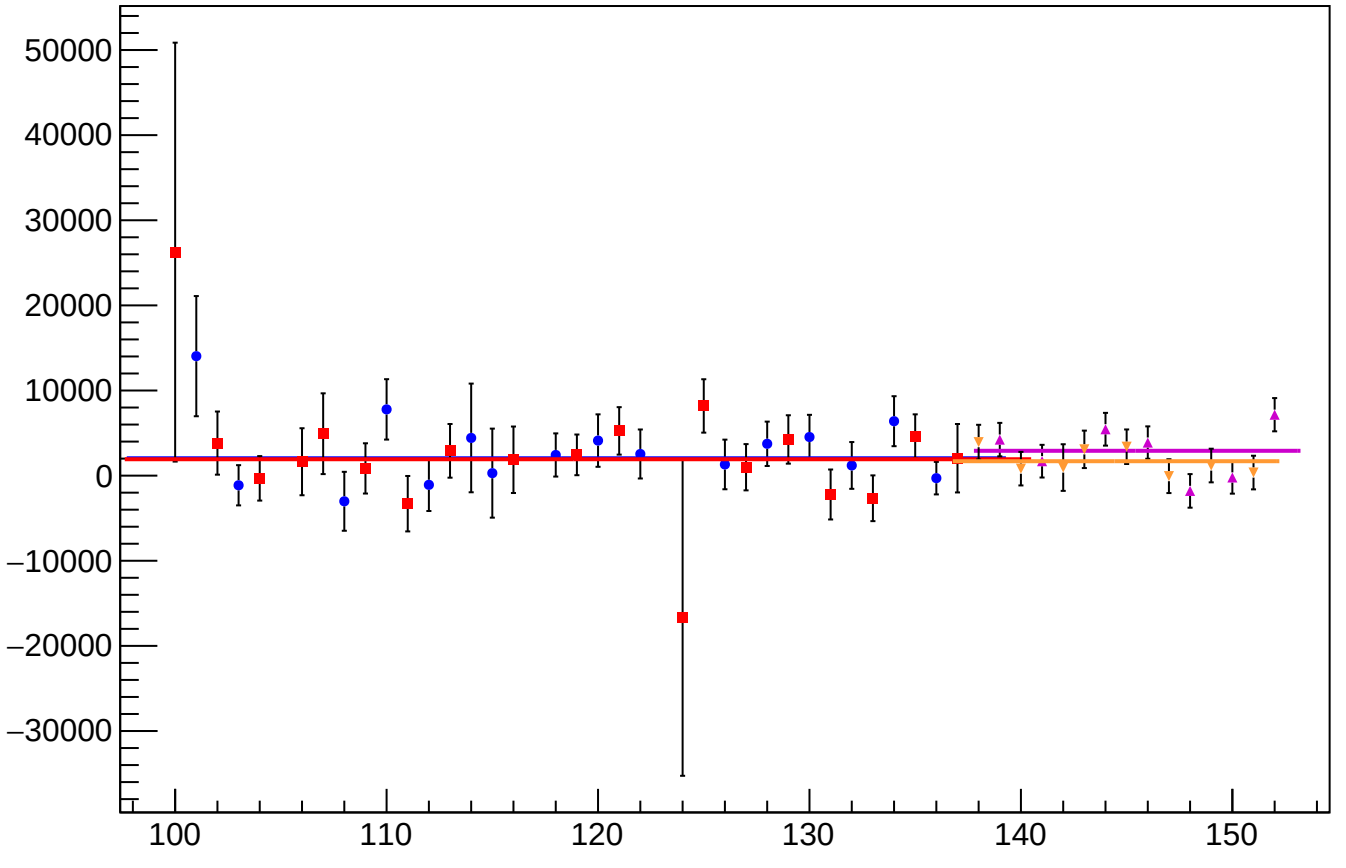
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -23.516+/-169.117 χ^2/NDF:18.6/22

Out: -98.874+/-162.426 χ^2/NDF:34.2/26

All: -62.715+/-117.146 χ^2/NDF: 52.9/49


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: 570.764+/-0.176 χ²/NDF:1515479.1/6
Left: 556.703+/-0.122 χ²/NDF: 3269401.4/14
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 576.020+/-0.120 χ²/NDF:2520033.1/22
Out: 542.810+/-0.115 χ²/NDF:3060621.4/26
All: 558.745+/-0.083 χ²/NDF: 5620772.8/49



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: 2917.719+/-730.817 χ^2/NDF:16.0/6

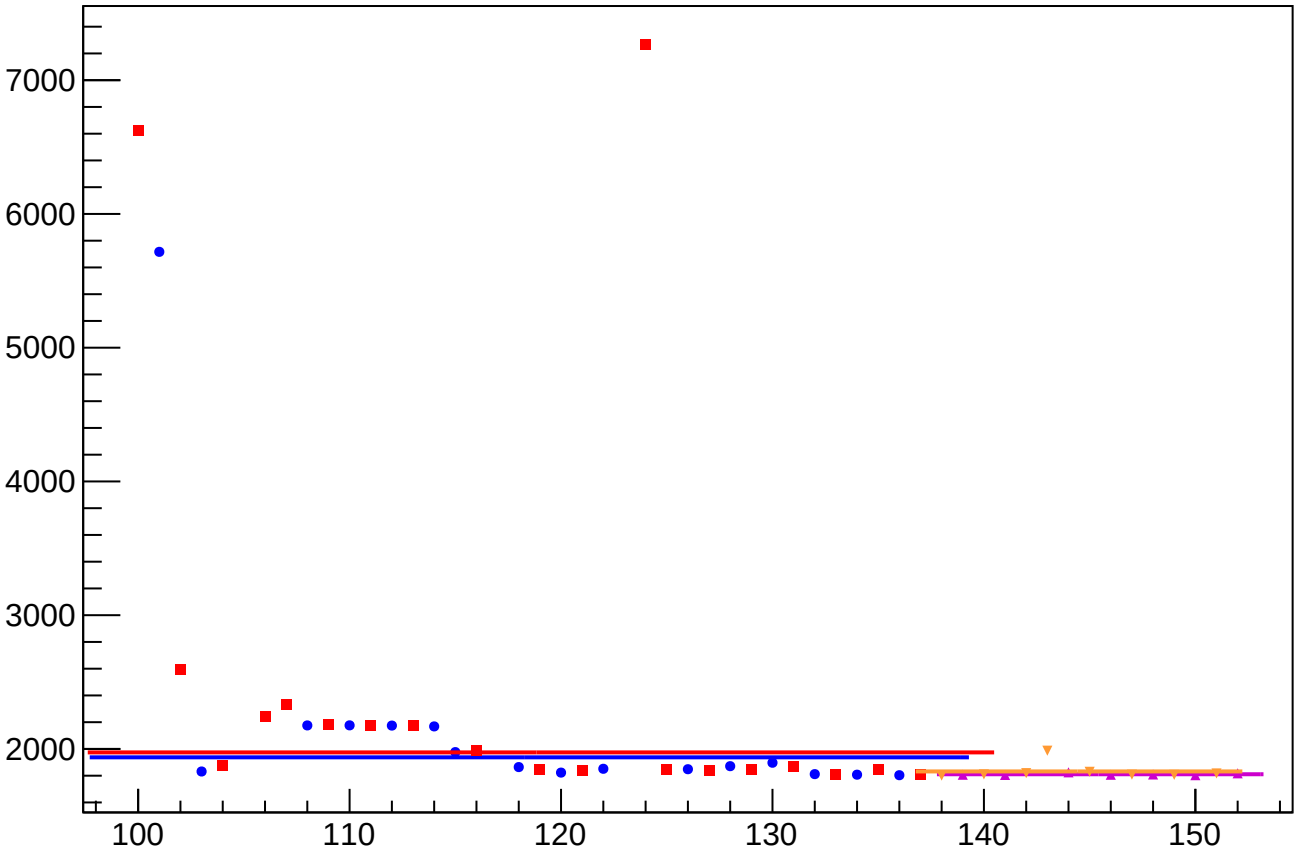
Left: 2310.520+/-518.551 χ^2/NDF: 21.2/14

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2481.512+/-518.662 χ^2/NDF:33.1/22

Out: 1810.322+/-520.891 χ^2/NDF:22.4/26

All: 2147.356+/-367.535 χ^2/NDF: 56.3/49



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: 1810.792+/-0.517 χ^2/NDF:194.5/6

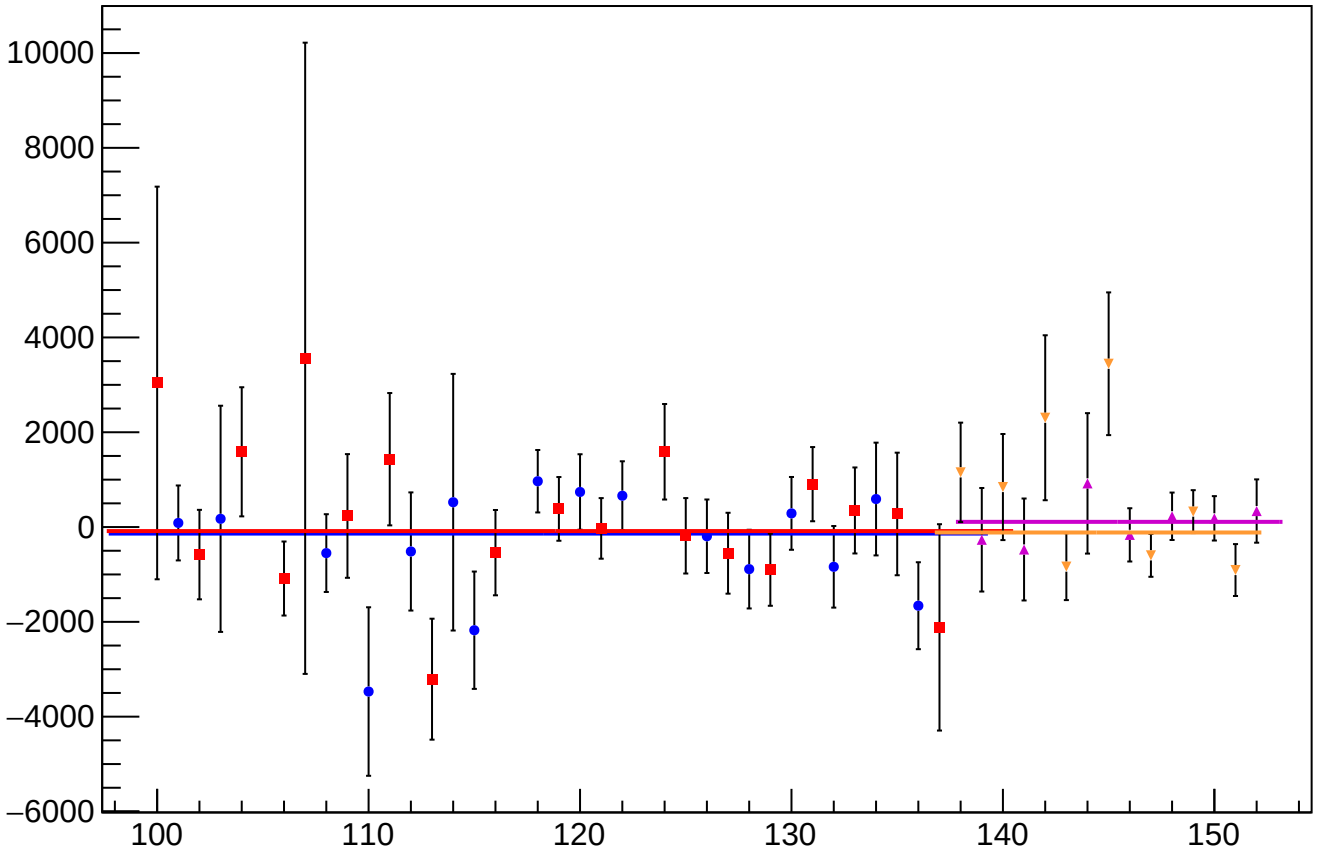
Left: 1821.245+/-0.367 χ^2/NDF: 12474.5/14

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1873.556+/-0.367 χ^2/NDF:668009.0/22

Out: 1902.853+/-0.368 χ^2/NDF:429207.1/26

All: 1888.142+/-0.260 χ^2/NDF: 1100393.0/49



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: 109.667+/-249.041 χ^2/NDF:1.2/6

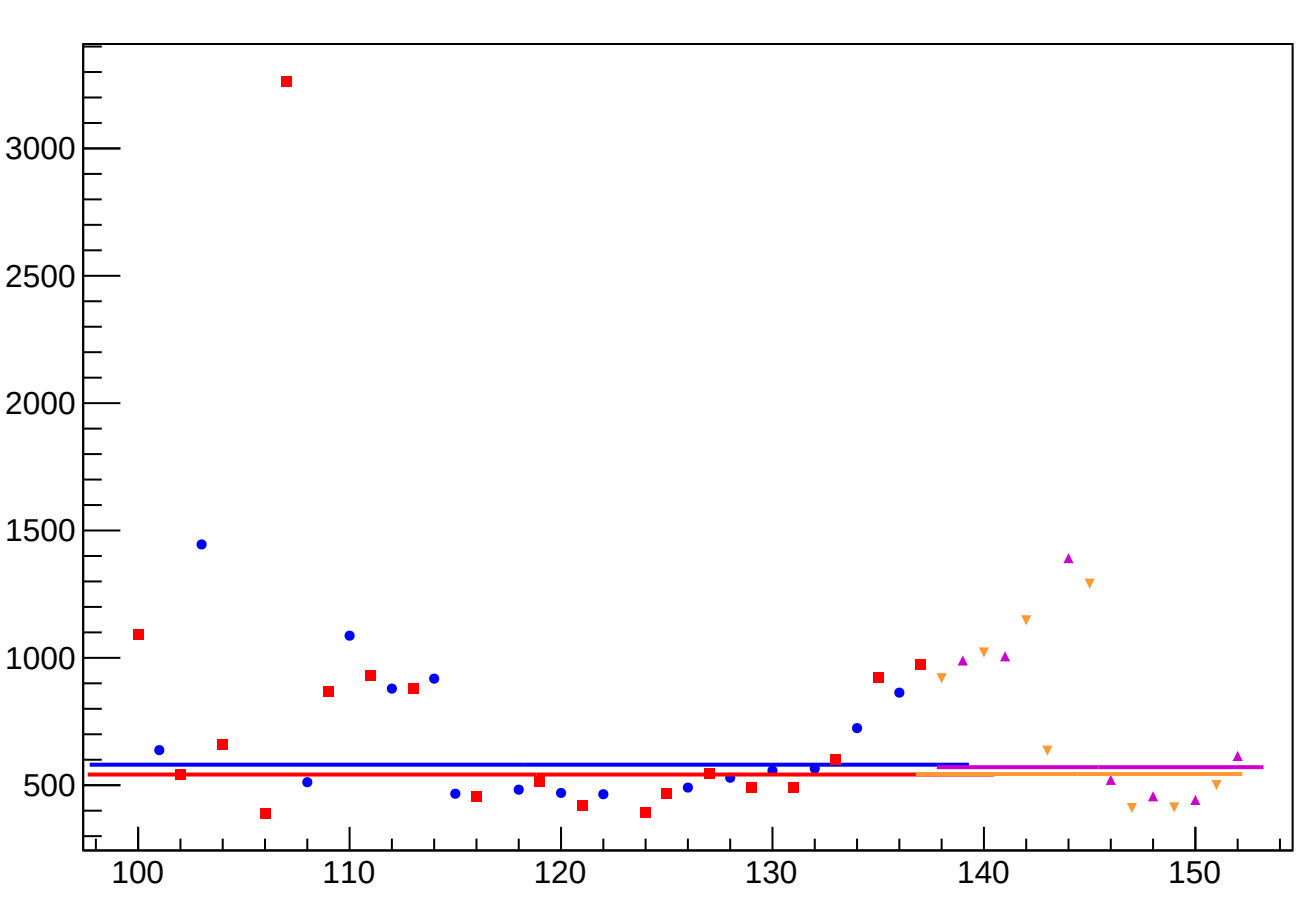
Left: -7.535+/-172.220 χ^2/NDF: 16.5/14

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -23.516+/-169.117 χ^2/NDF:18.6/22

Out: -98.874+/-162.426 χ^2/NDF:34.2/26

All: -62.715+/-117.146 χ^2/NDF: 52.9/49



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: 570.764+/-0.176 χ^2/NDF:1515479.1/6

Left: 556.703+/-0.122 χ^2/NDF: 3269401.4/14

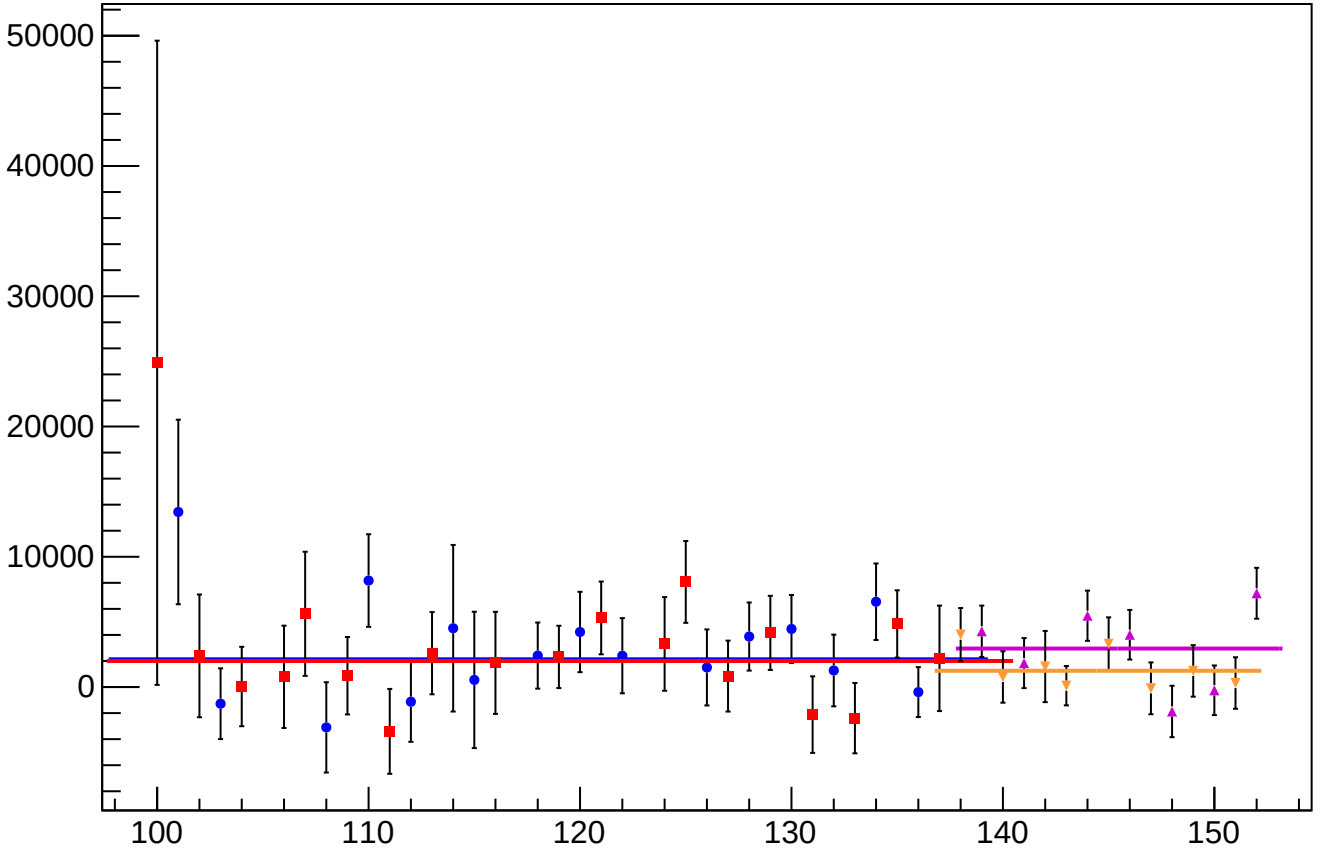
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 576.020+/-0.120 χ^2/NDF:2520033.1/22

Out: 542.810+/-0.115 χ^2/NDF:3060621.4/26

All: 558.745+/-0.083 χ^2/NDF: 5620772.8/49

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: 2954.465+/-731.783 χ^2/NDF:16.3/6

Left: 2056.929+/-503.640 χ^2/NDF: 23.4/14

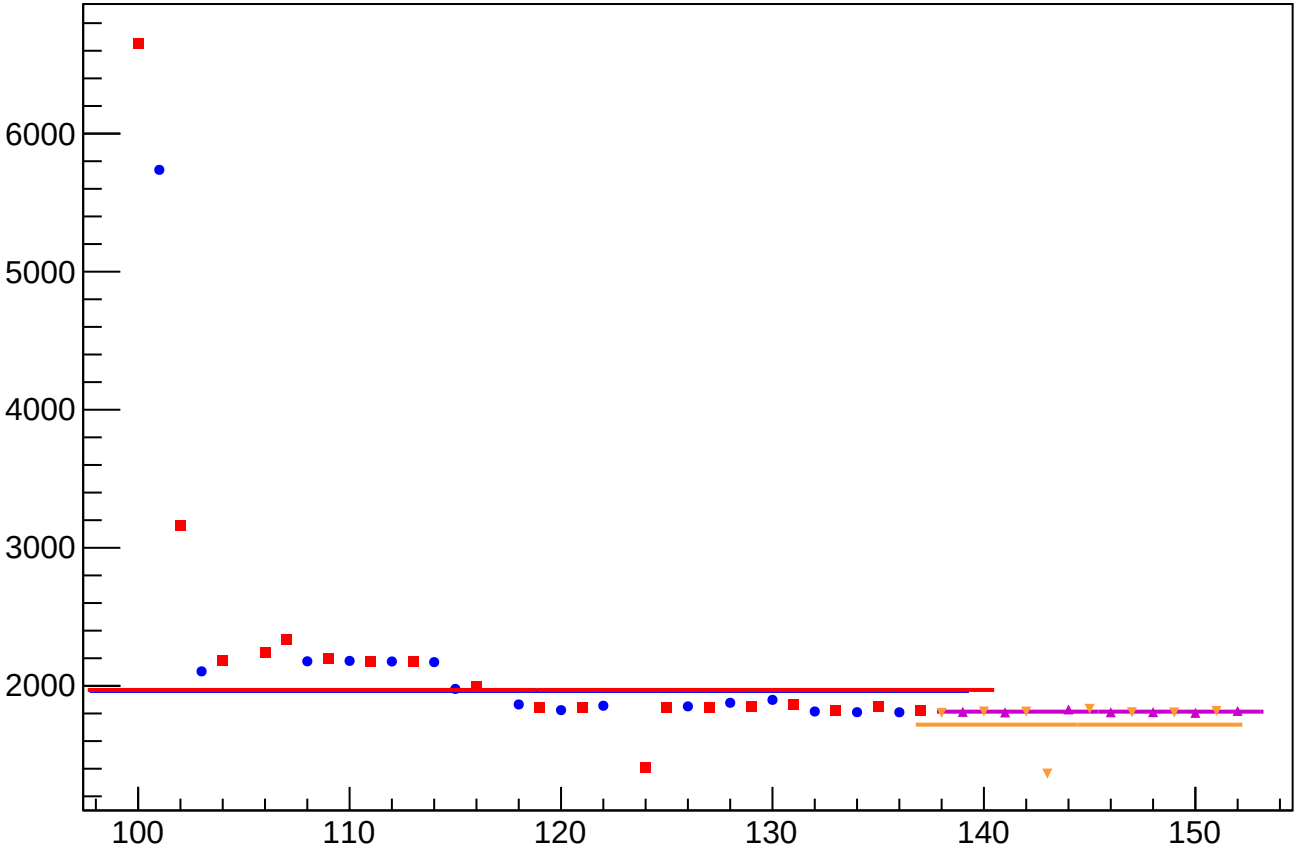
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2549.684+/-522.486 χ^2/NDF:33.5/22

Out: 1603.112+/-505.394 χ^2/NDF:21.5/26

All: 2060.663+/-363.260 χ^2/NDF: 56.7/49

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: 1813.141+/-0.517 χ^2/NDF:230.9/6

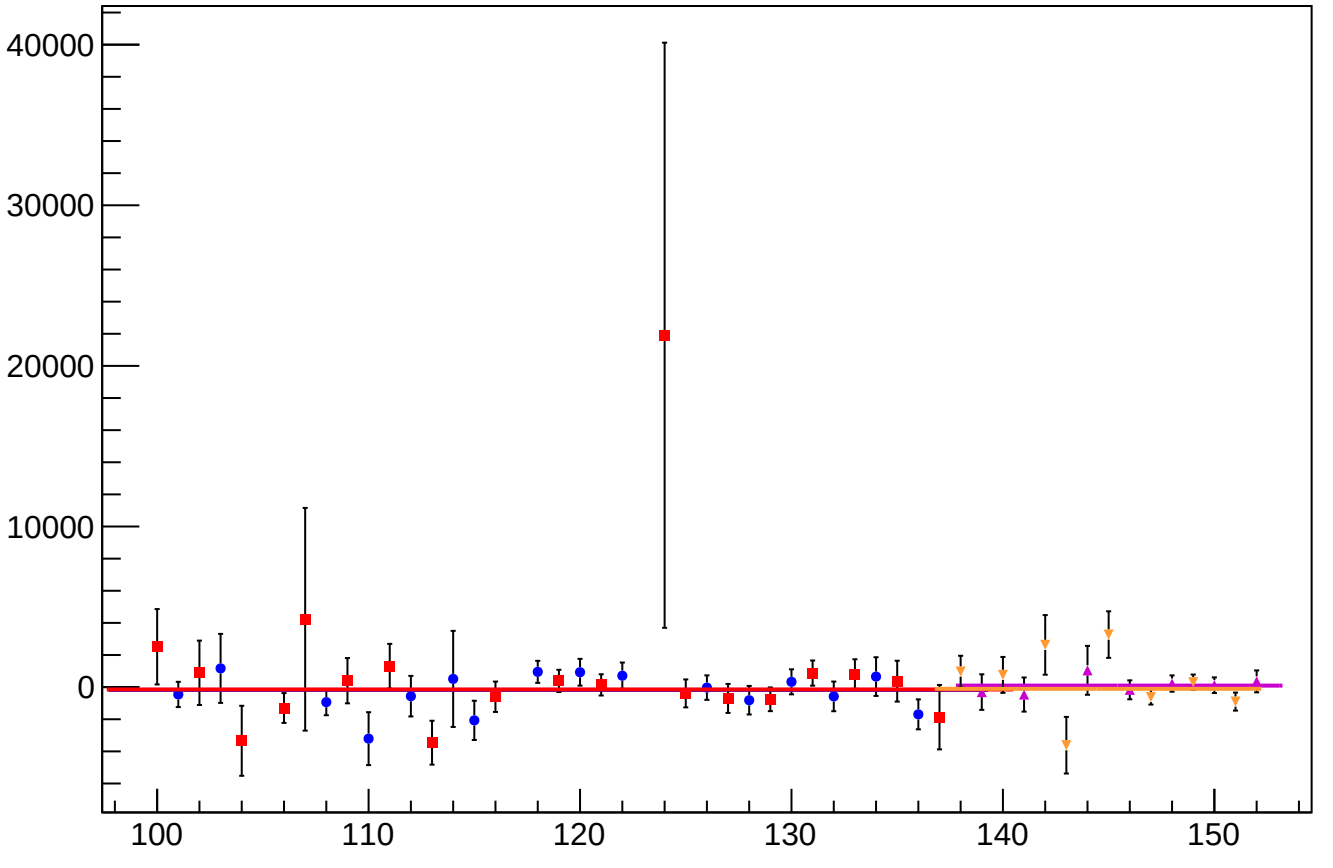
Left: 1763.588+/-0.356 χ^2/NDF: 157922.6/14

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1886.808+/-0.369 χ^2/NDF:681829.9/22

Out: 1837.182+/-0.357 χ^2/NDF:608740.9/26

All: 1861.170+/-0.257 χ^2/NDF: 1299892.2/49



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -104.758+/-258.859 χ^2/NDF:17.2/7

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 95.232+/-255.869 χ^2/NDF:1.2/6

Left: -3.601+/-181.975 χ^2/NDF: 18.8/14

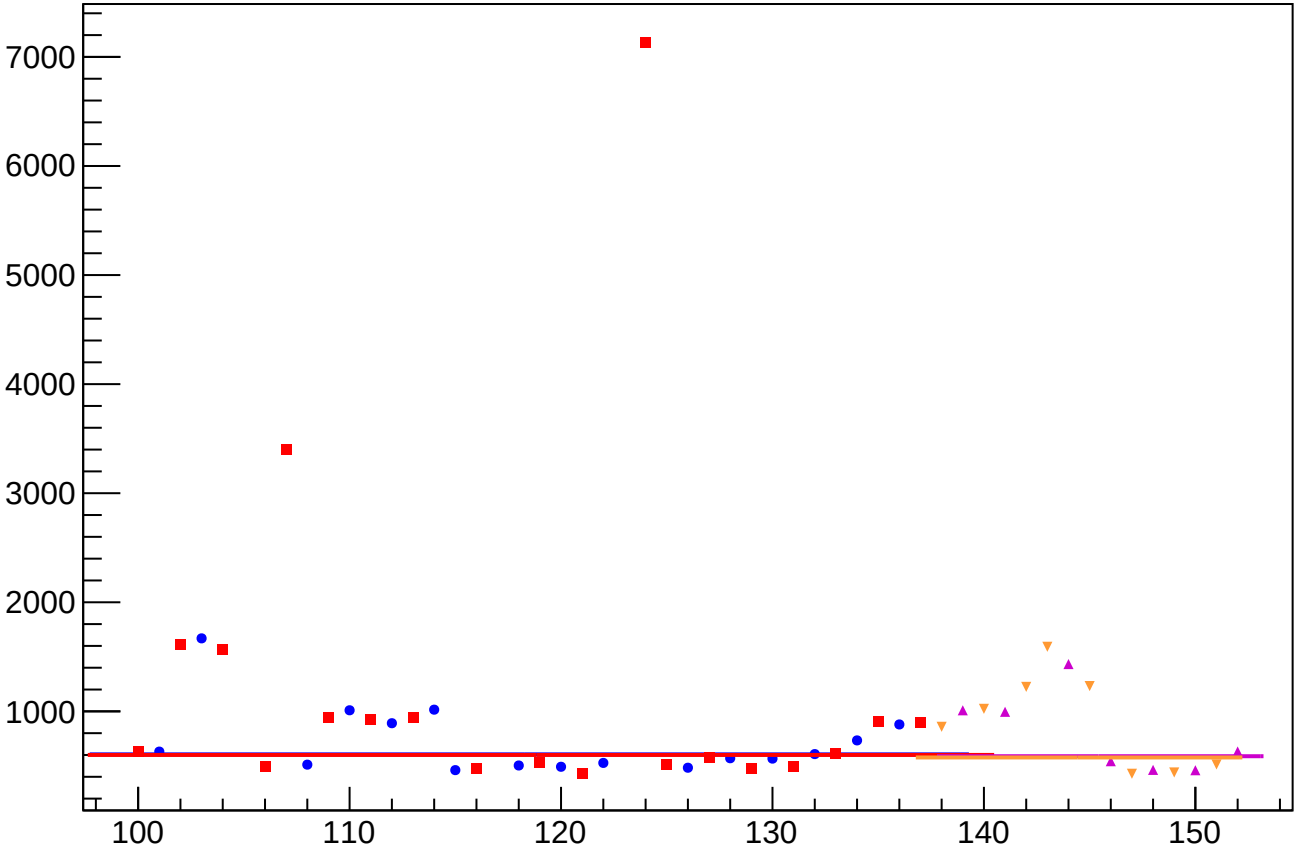
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -47.989+/-173.838 χ^2/NDF:19.0/22

Out: -127.486+/-177.109 χ^2/NDF:37.4/26

All: -86.996+/-124.062 χ^2/NDF: 56.5/49

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: 588.670+/-0.181 χ^2/NDF:1480967.2/6

Left: 583.084+/-0.129 χ^2/NDF: 3668412.4/14

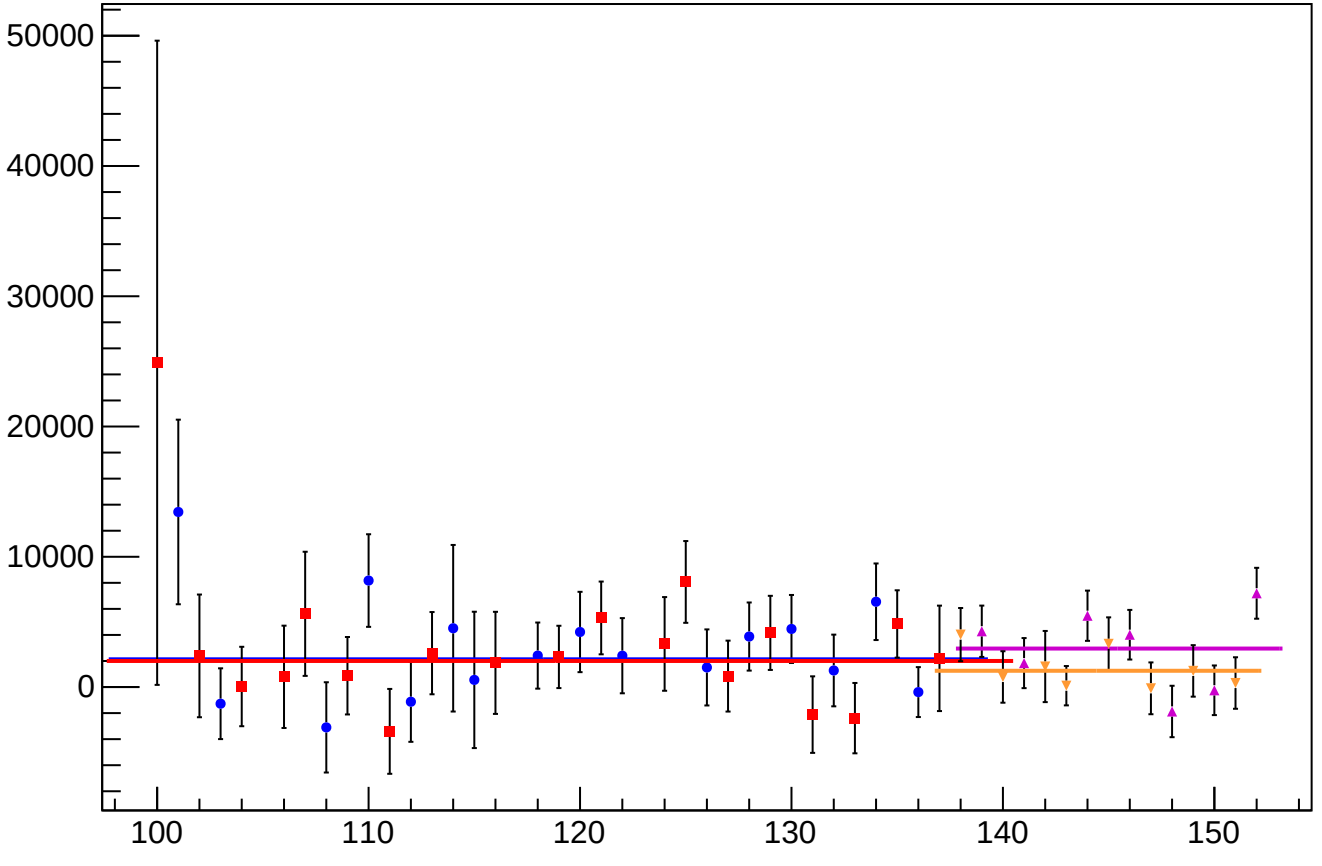
Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 597.694+/-0.123 χ^2/NDF:2648041.6/22

Out: 589.643+/-0.125 χ^2/NDF:4522496.4/26

All: 593.743+/-0.088 χ^2/NDF: 7172642.7/49

eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected



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: 2954.465+/-731.783 χ^2/NDF:16.3/6

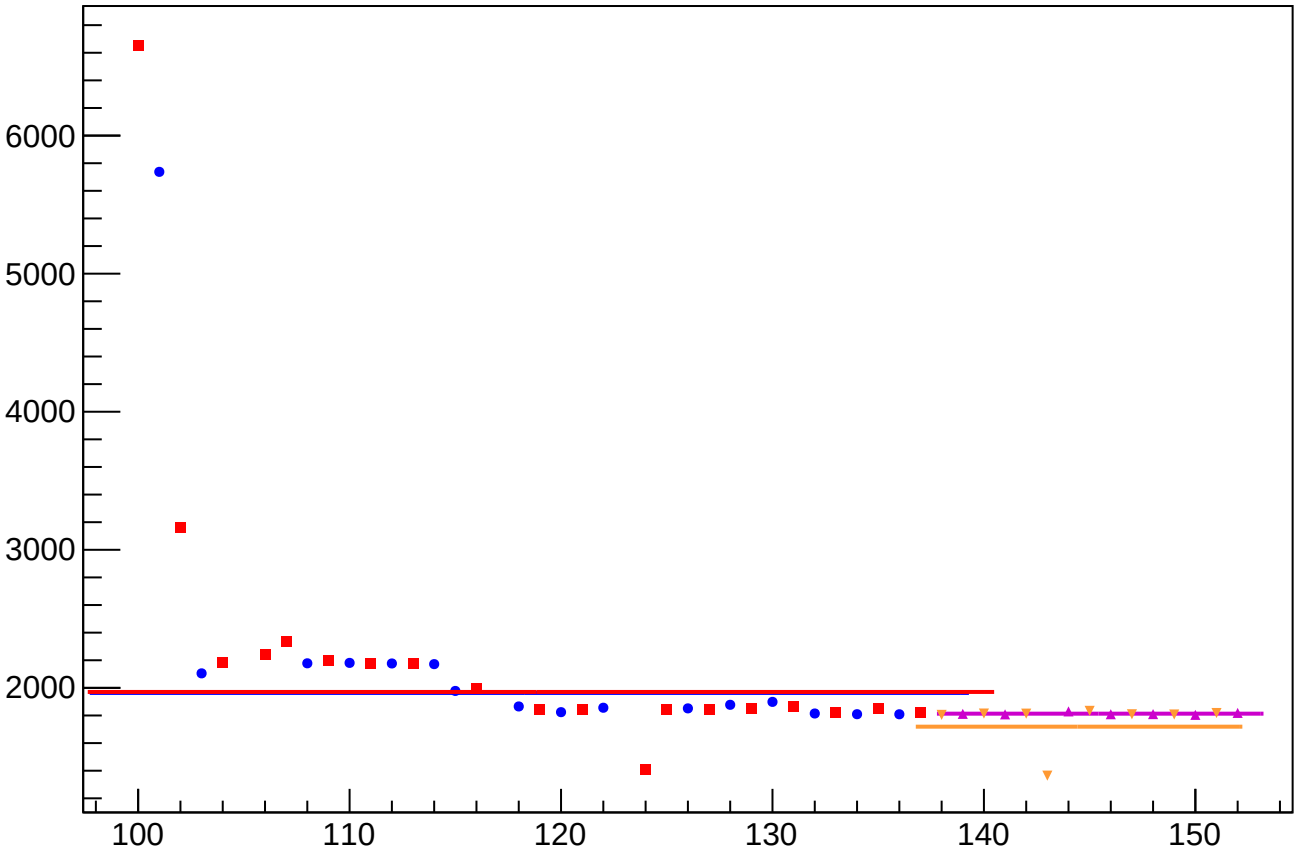
Left: 2056.929+/-503.640 χ^2/NDF: 23.4/14

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2549.683+/-522.486 χ^2/NDF:33.5/22

Out: 1603.112+/-505.394 χ^2/NDF:21.5/26

All: 2060.662+/-363.260 χ^2/NDF: 56.7/49



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: 1813.141+/-0.517 χ^2/NDF:230.9/6

Left: 1763.588+/-0.356 χ^2/NDF: 157922.6/14

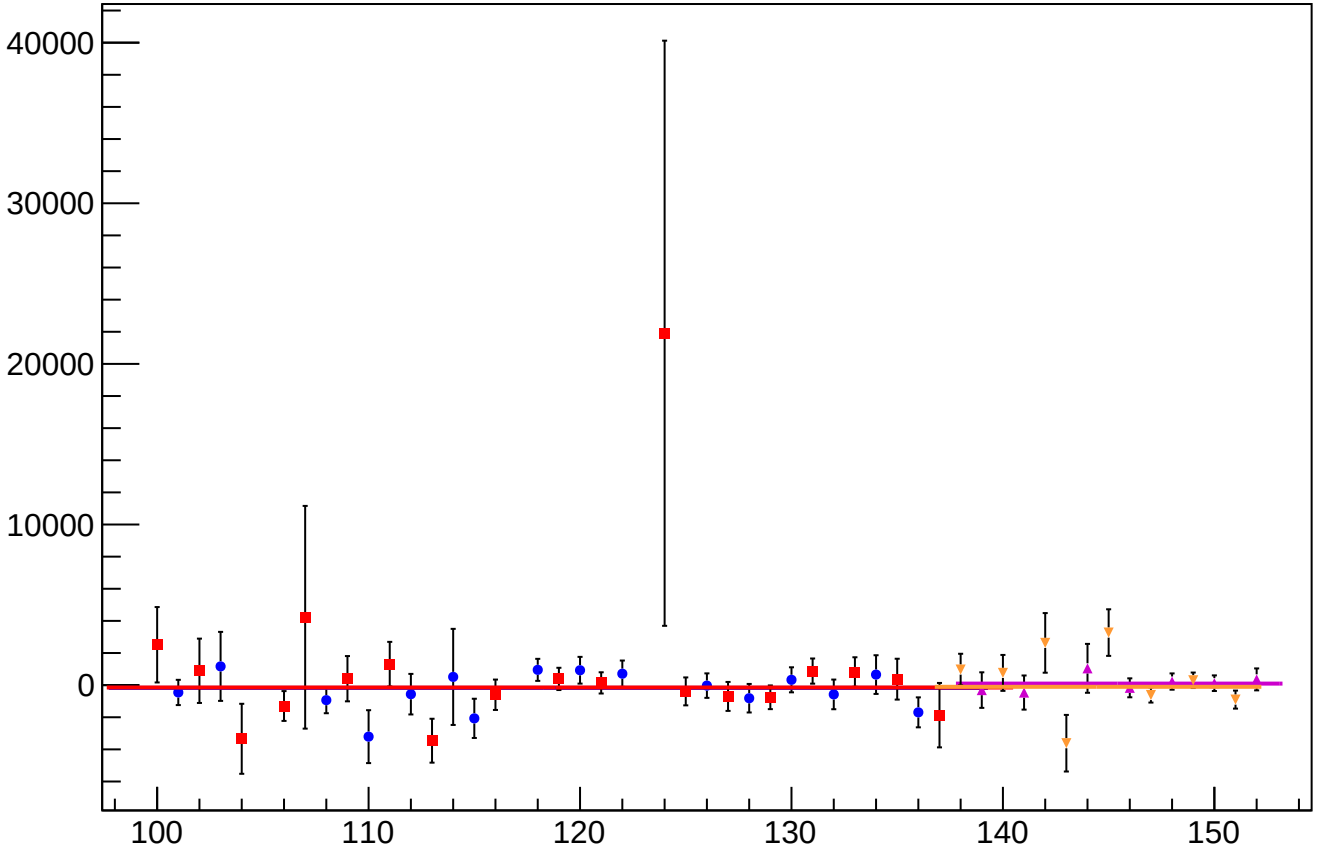
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1886.808+/-0.369 χ^2/NDF:681829.5/22

Out: 1837.182+/-0.357 χ^2/NDF:608739.3/26

All: 1861.170+/-0.257 χ^2/NDF: 1299890.2/49

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: 95.232+/-255.869 χ^2/NDF:1.2/6

Left: -3.601+/-181.975 χ^2/NDF: 18.8/14

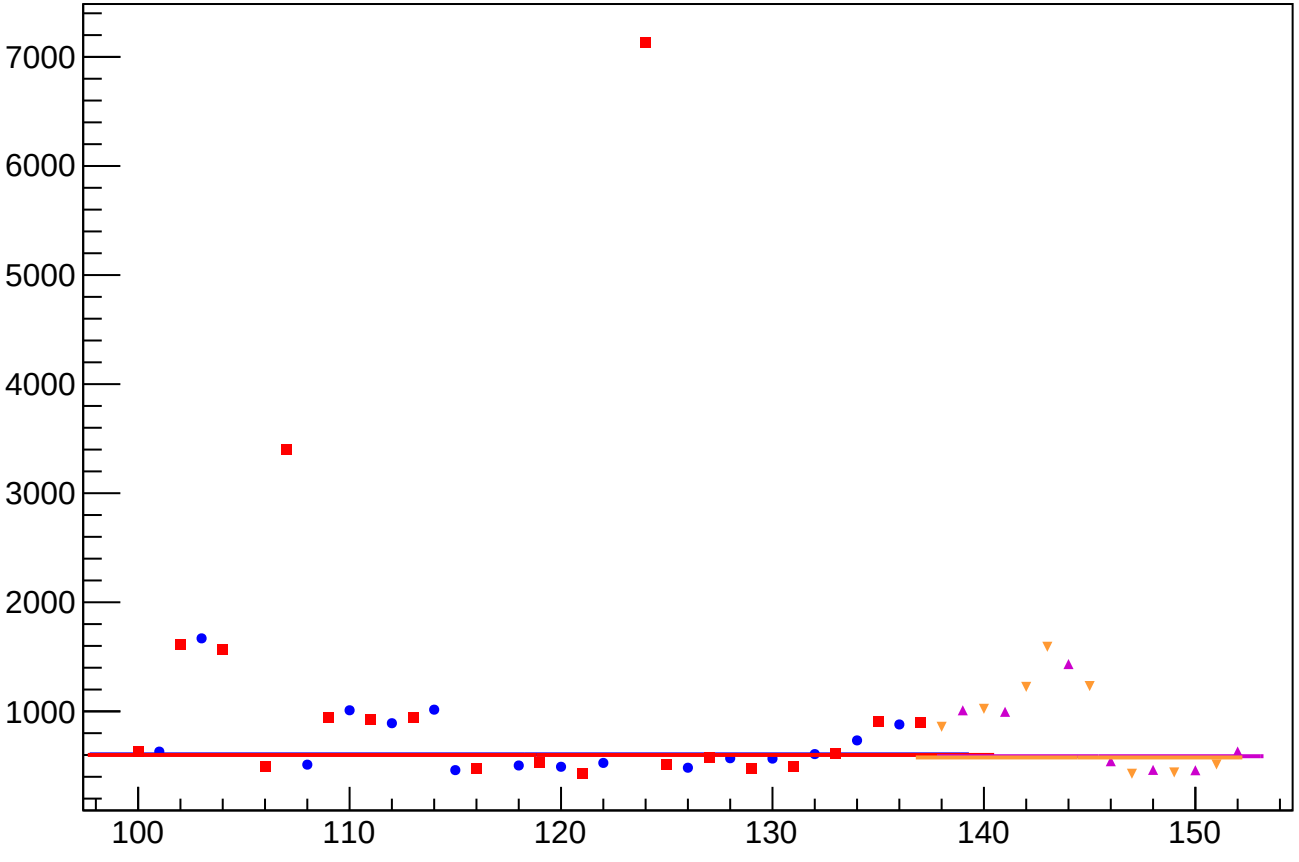
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -47.989+/-173.838 χ^2/NDF:19.0/22

Out: -127.486+/-177.109 χ^2/NDF:37.4/26

All: -86.996+/-124.062 χ^2/NDF: 56.5/49

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: 588.671+/-0.181 χ^2/NDF:1480964.1/6

Left: 583.086+/-0.129 χ^2/NDF: 3668404.5/14

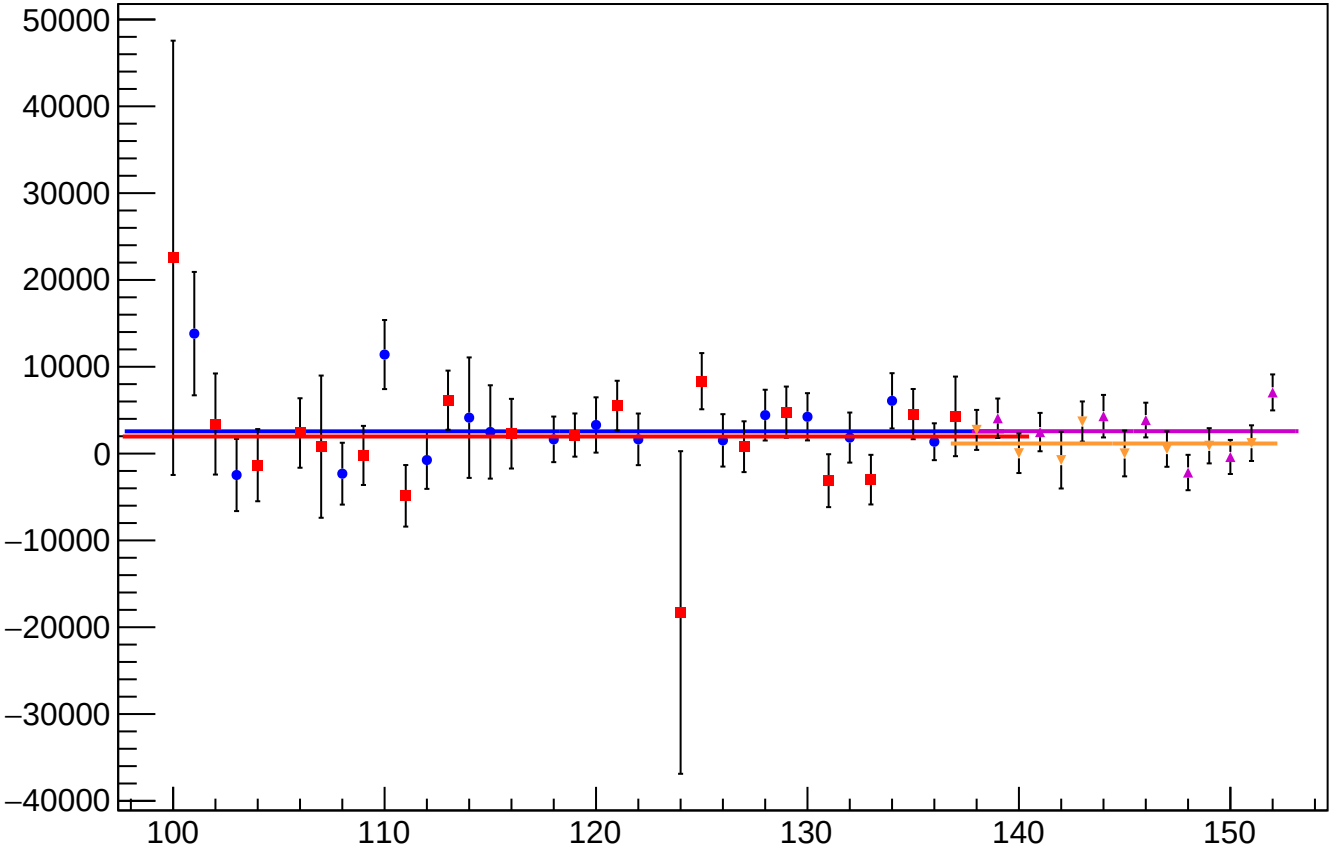
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 597.694+/-0.123 χ^2/NDF:2648045.3/22

Out: 589.643+/-0.125 χ^2/NDF:4522498.1/26

All: 593.743+/-0.088 χ^2/NDF: 7172648.1/49

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: 2579.433+/-803.537 χ^2/NDF:13.7/6

Left: 1874.725+/-570.216 χ^2/NDF: 17.8/14

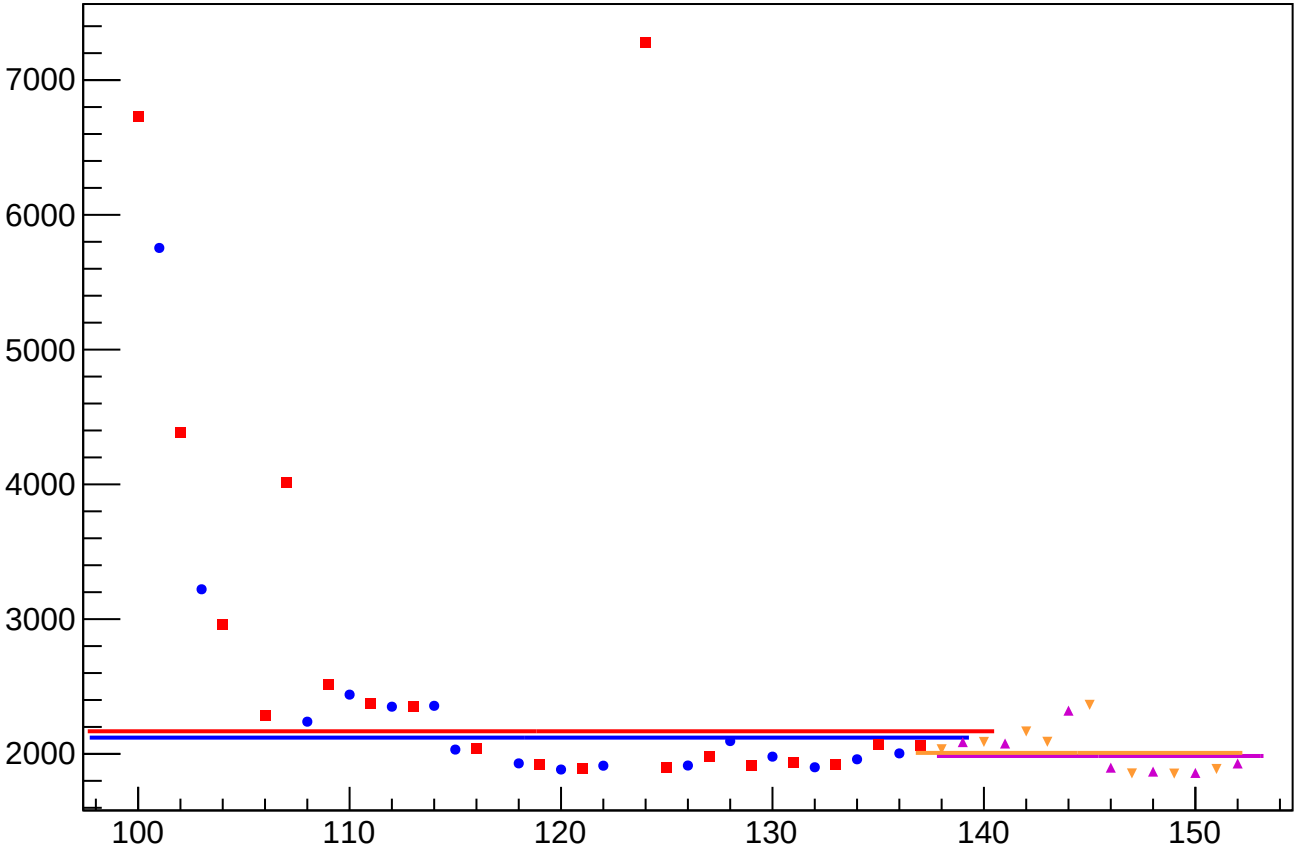
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2570.272+/-570.338 χ^2/NDF:28.4/22

Out: 1558.570+/-575.608 χ^2/NDF:24.6/26

All: 2069.073+/-405.140 χ^2/NDF: 54.5/49

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: 1984.480+/-0.568 χ^2/NDF:65182.3/6

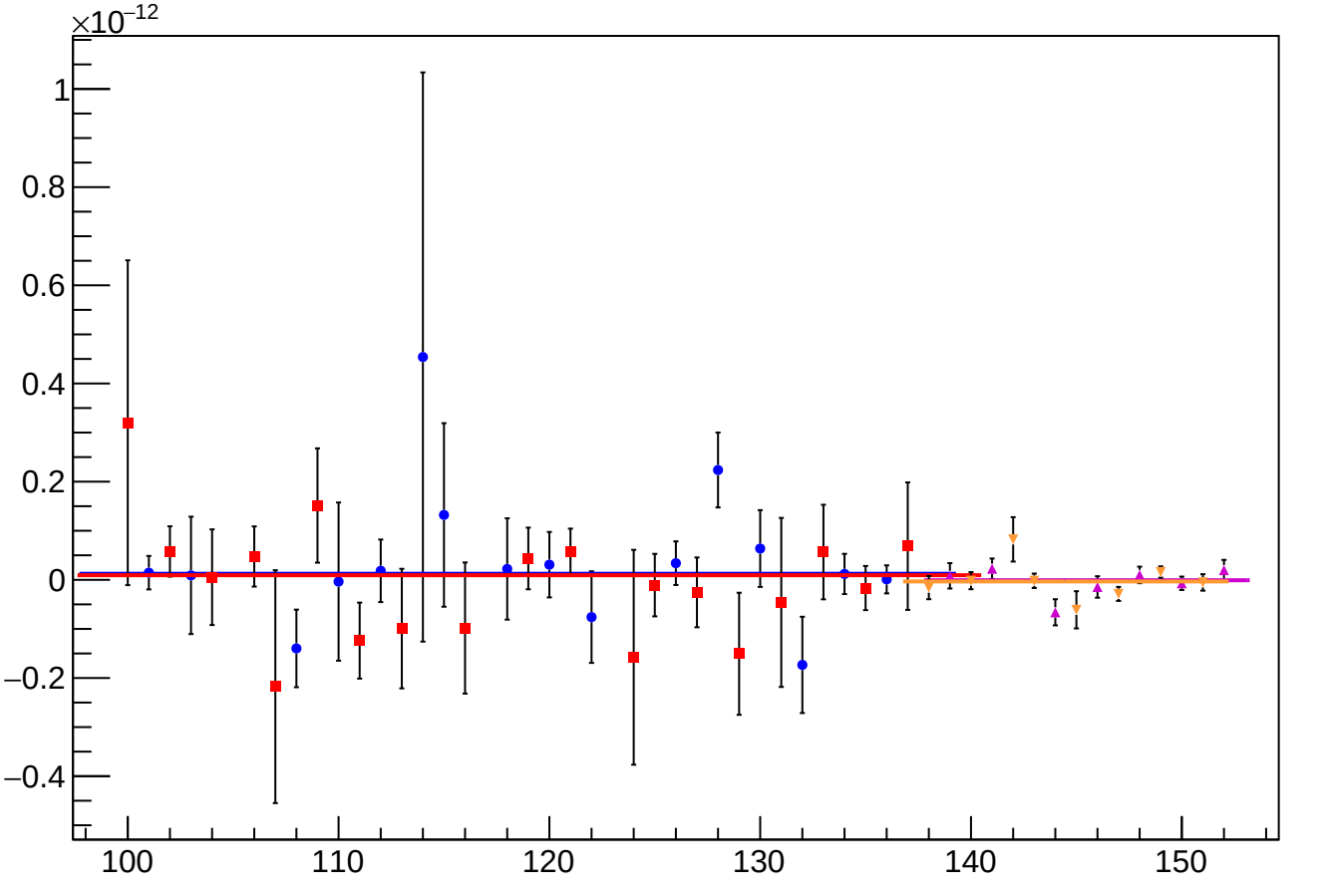
Left: 1995.869+/-0.403 χ^2/NDF: 142075.5/14

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2052.112+/-0.403 χ^2/NDF:853704.8/22

Out: 2086.693+/-0.407 χ^2/NDF:938838.7/26

All: 2069.243+/-0.286 χ^2/NDF: 1796186.0/49



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:9.4/6

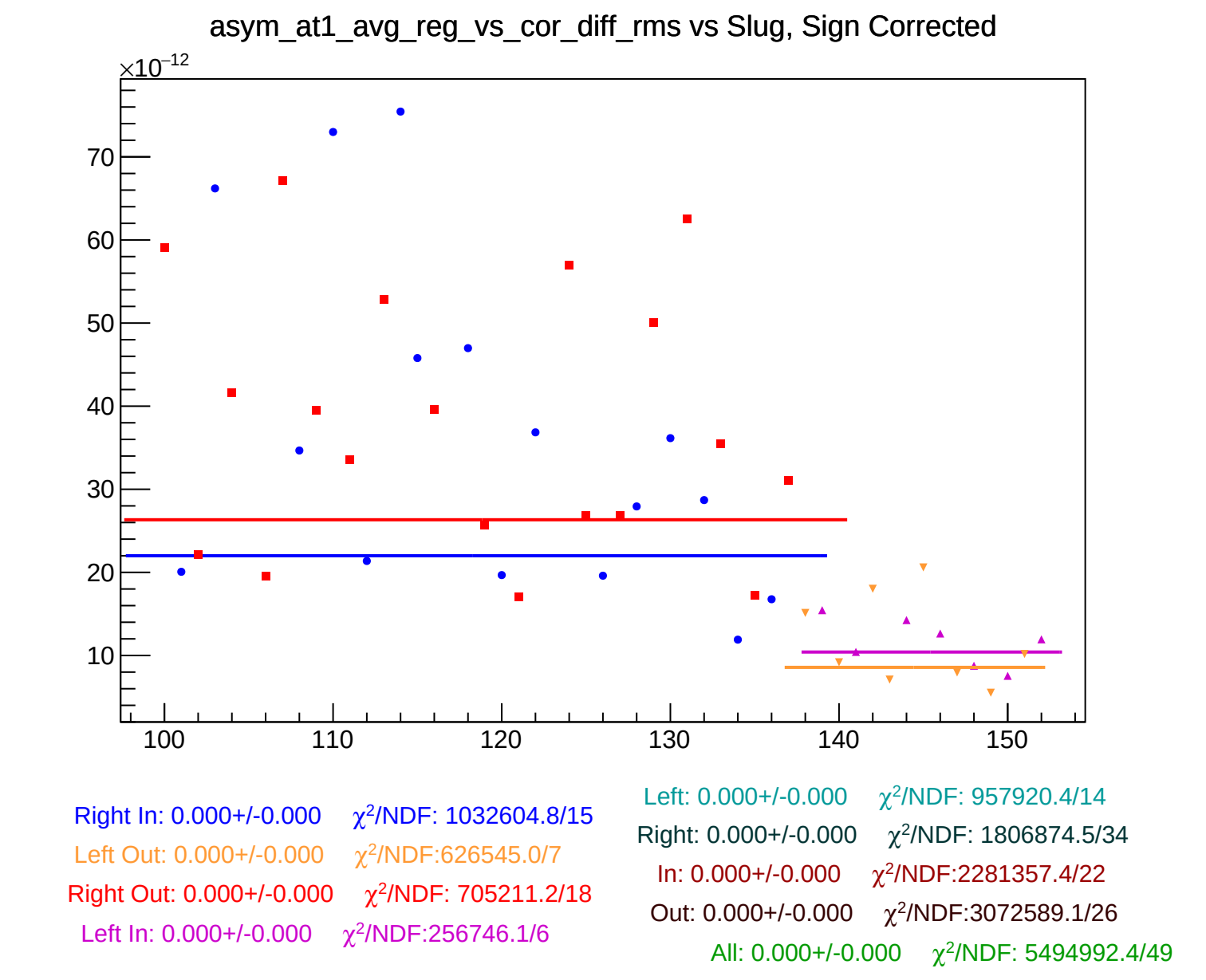
Left: -0.000+/-0.000 χ^2/NDF: 21.6/14

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

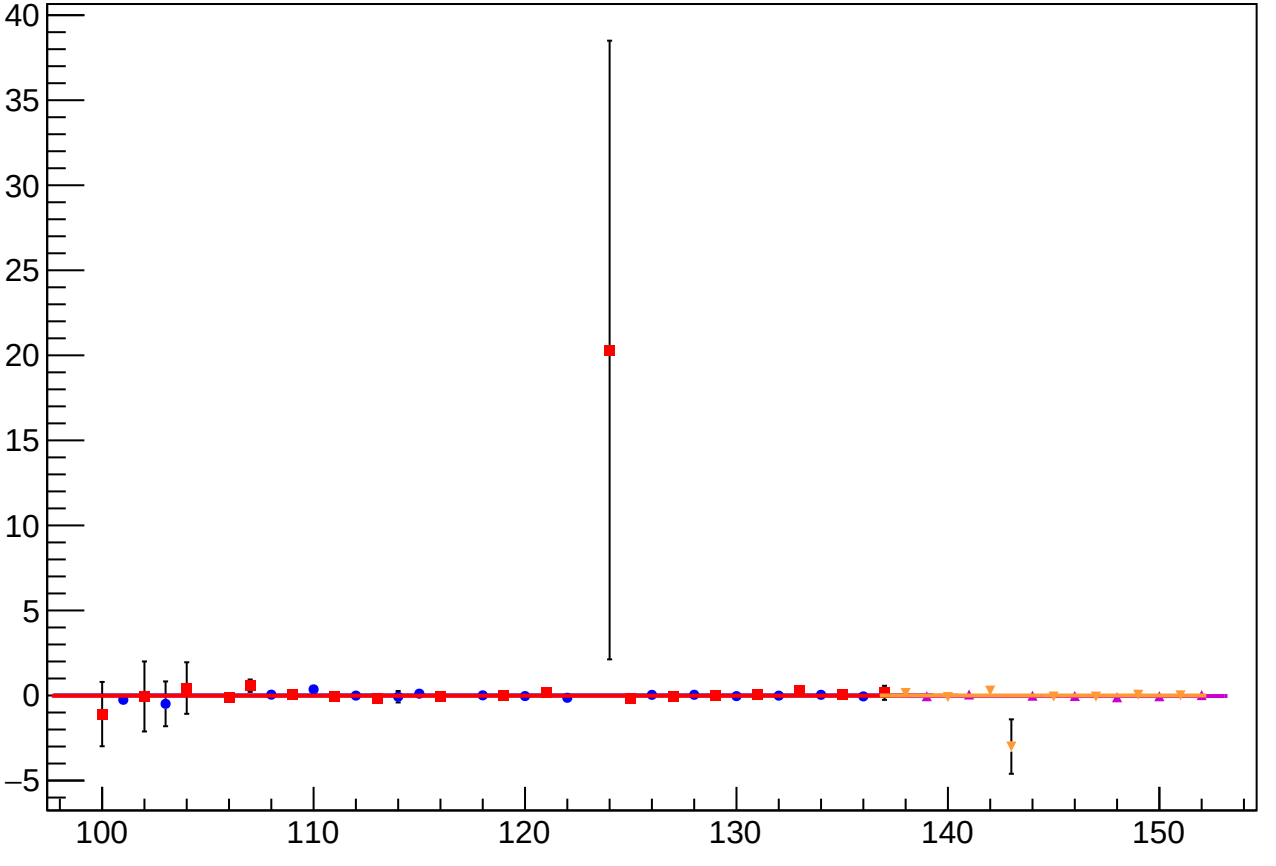
In: 0.000+/-0.000 χ^2/NDF:27.9/22

Out: -0.000+/-0.000 χ^2/NDF:26.4/26

All: -0.000+/-0.000 χ^2/NDF: 54.4/49


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:256746.1/6
Left: 0.000+/-0.000 χ²/NDF: 957920.4/14
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:2281357.4/22
Out: 0.000+/-0.000 χ²/NDF:3072589.1/26
All: 0.000+/-0.000 χ²/NDF: 5494992.4/49

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: -0.031+/-0.022 χ^2/NDF:5.3/6

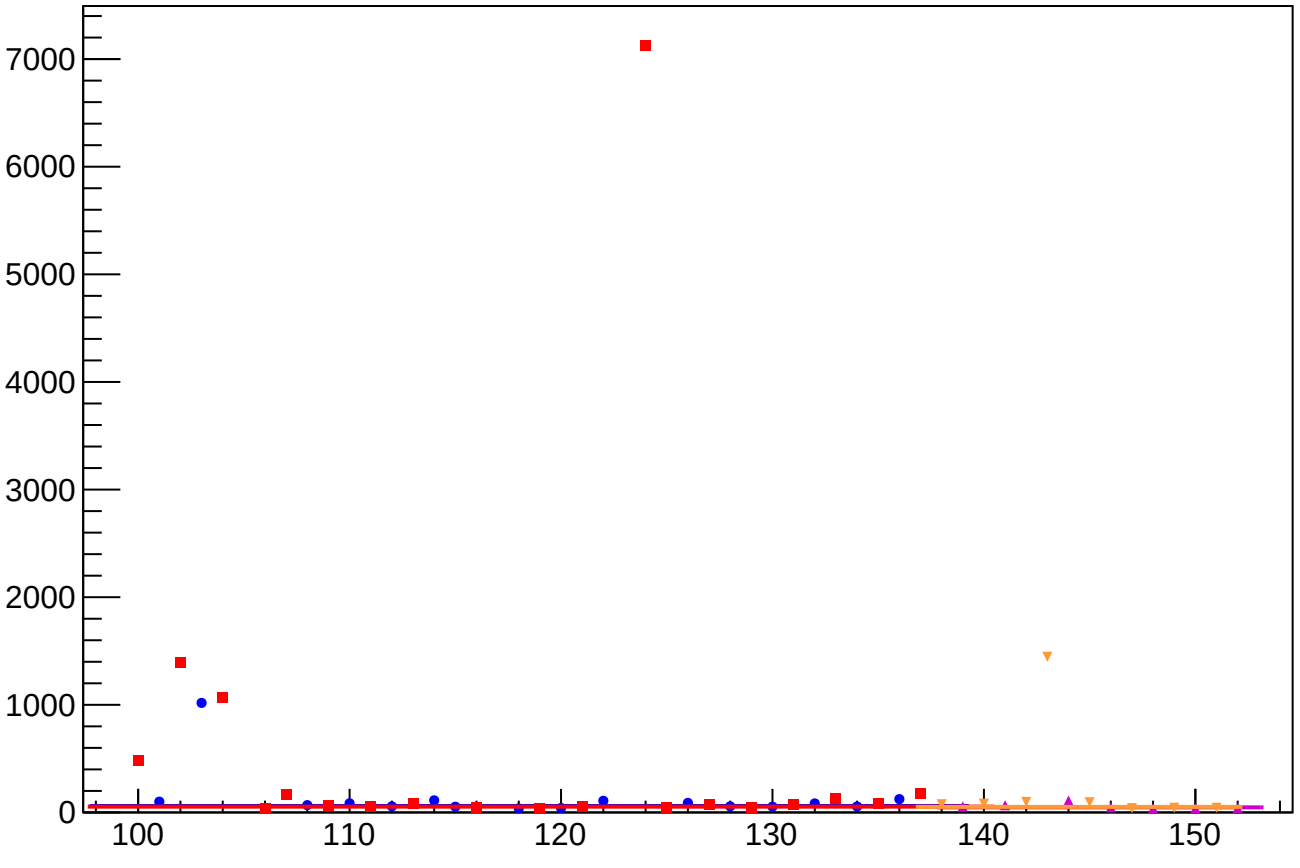
Left: -0.017+/-0.016 χ^2/NDF: 19.7/14

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.017+/-0.017 χ^2/NDF:17.8/22

Out: -0.006+/-0.018 χ^2/NDF:31.1/26

All: -0.012+/-0.012 χ^2/NDF: 49.1/49



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: 47.371+/-0.015 χ^2/NDF:885179.9/6

Left: 49.252+/-0.012 χ^2/NDF: 3450271.8/14

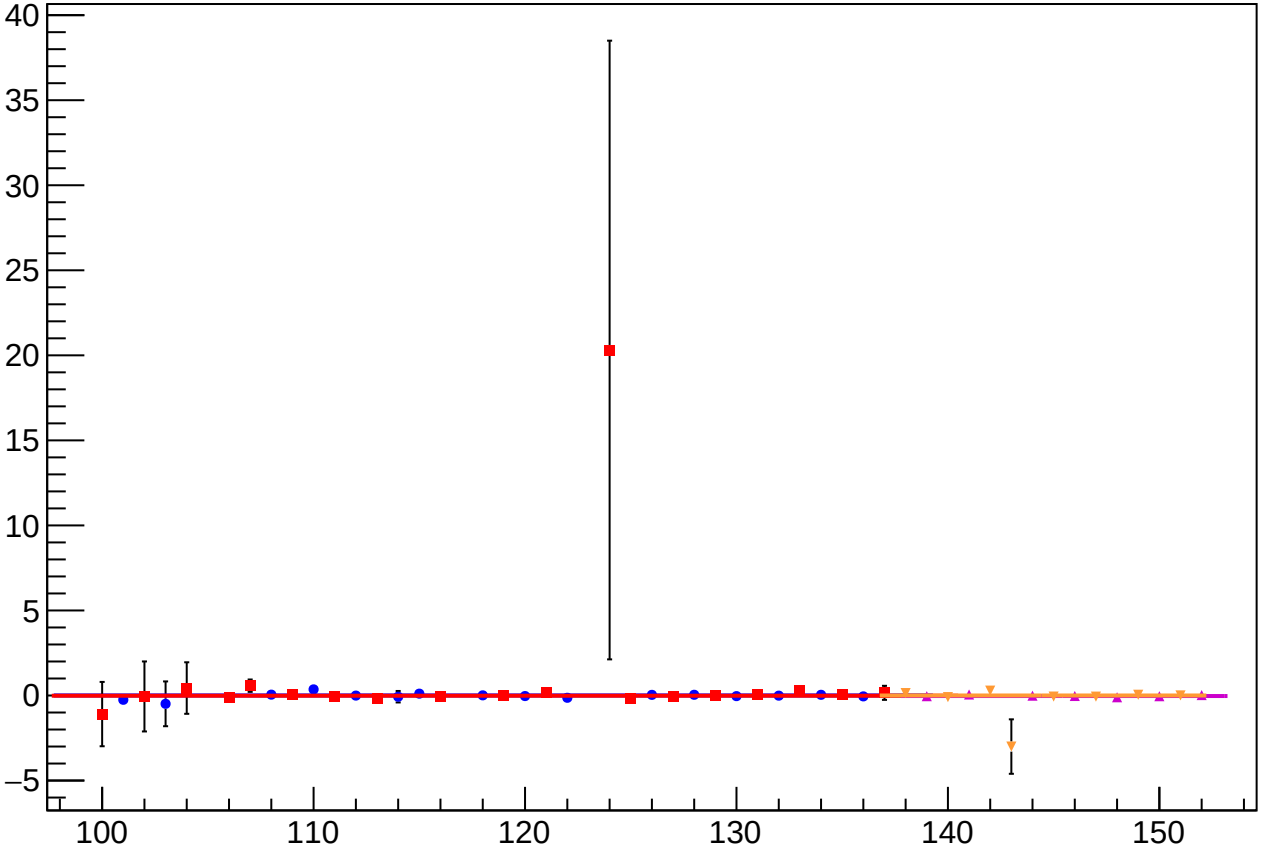
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 52.277+/-0.012 χ^2/NDF:3688237.3/22

Out: 53.007+/-0.013 χ^2/NDF:6059503.9/26

All: 52.616+/-0.009 χ^2/NDF: 9749503.3/49

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: -0.031+/-0.022 χ^2/NDF:5.3/6

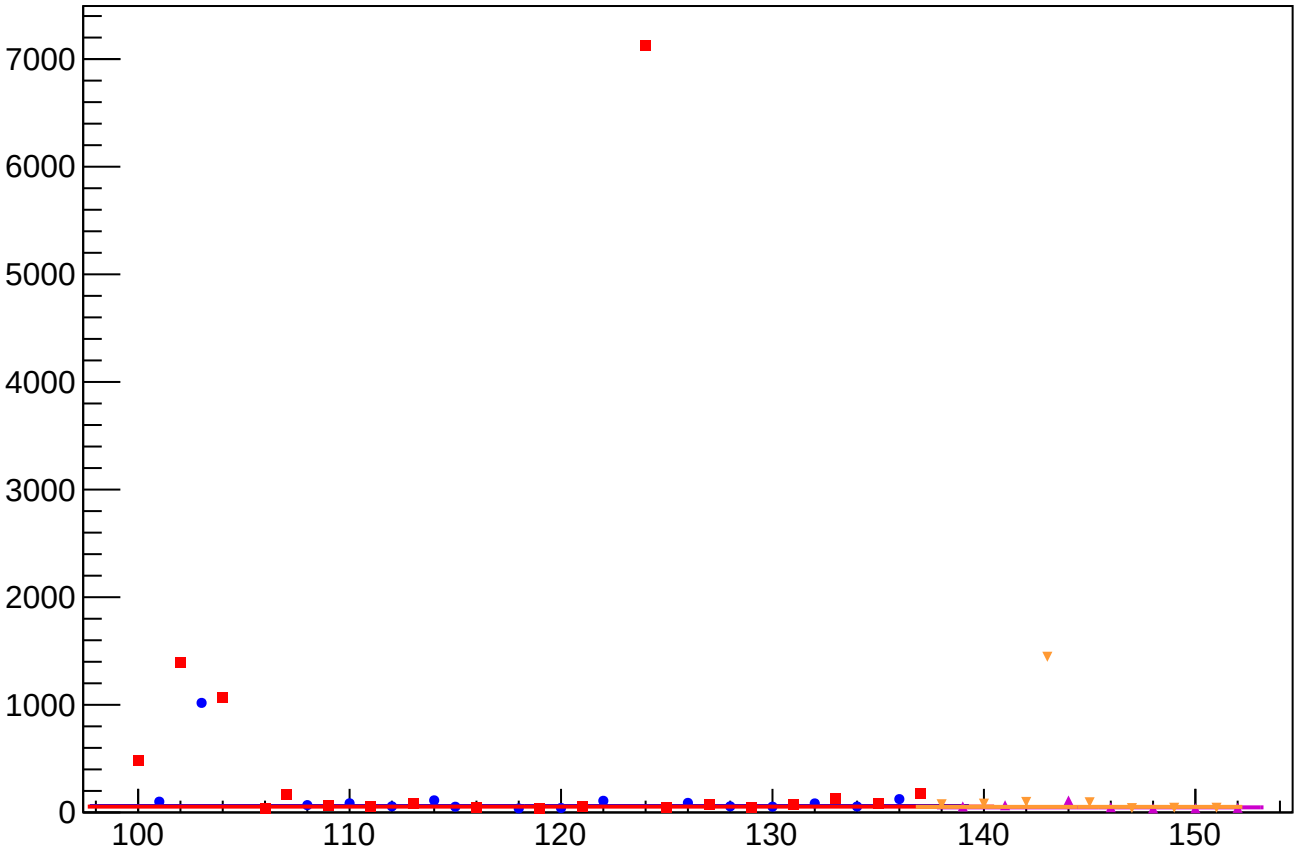
Left: -0.017+/-0.016 χ^2/NDF: 19.7/14

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.017+/-0.017 χ^2/NDF:17.8/22

Out: -0.006+/-0.018 χ^2/NDF:31.1/26

All: -0.012+/-0.012 χ^2/NDF: 49.1/49



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: 47.371+/-0.015 χ^2/NDF:885179.9/6

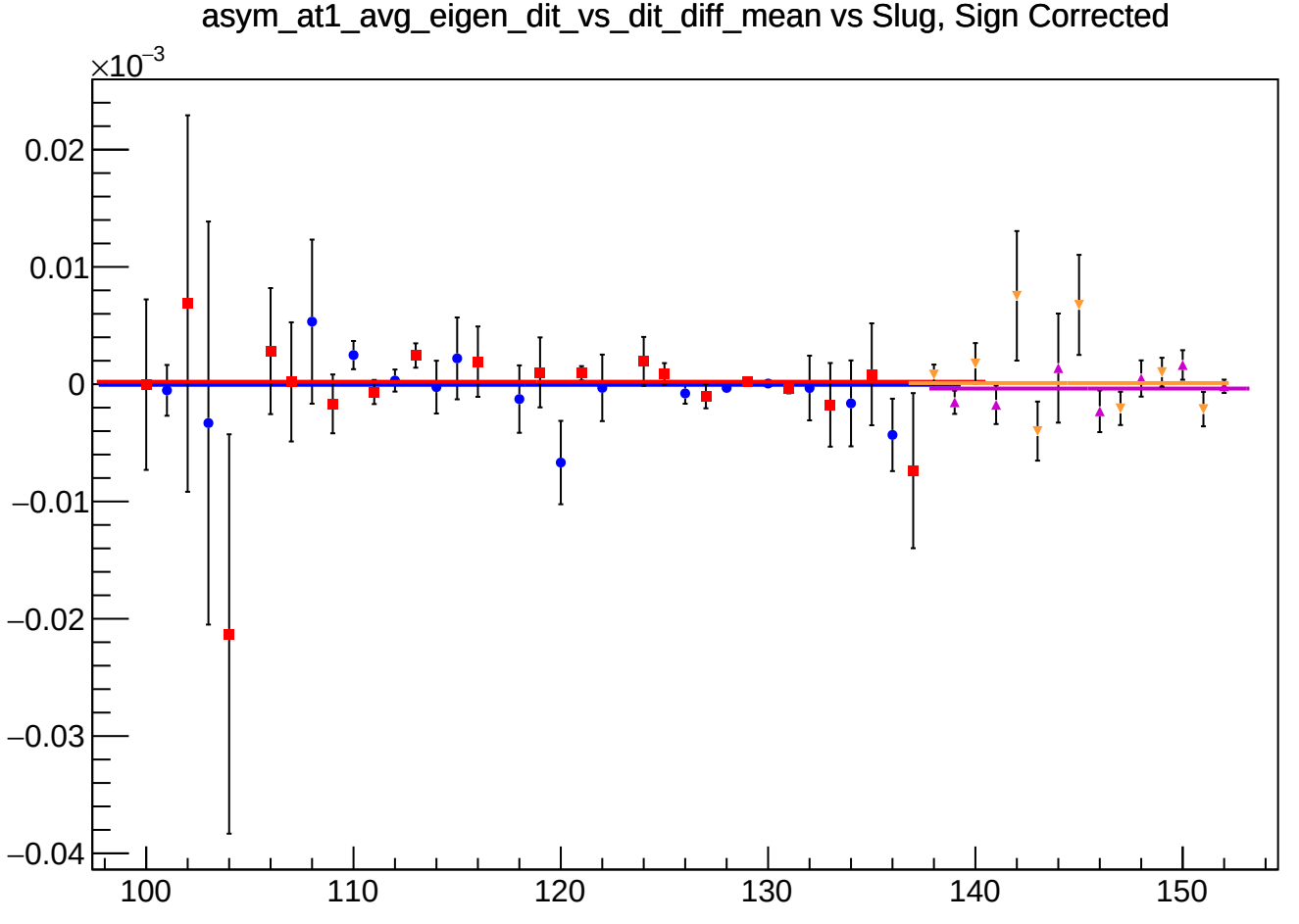
Left: 49.252+/-0.012 χ^2/NDF: 3450271.8/14

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 52.277+/-0.012 χ^2/NDF:3688237.3/22

Out: 53.007+/-0.013 χ^2/NDF:6059503.9/26

All: 52.616+/-0.009 χ^2/NDF: 9749503.3/49



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:6.4/6

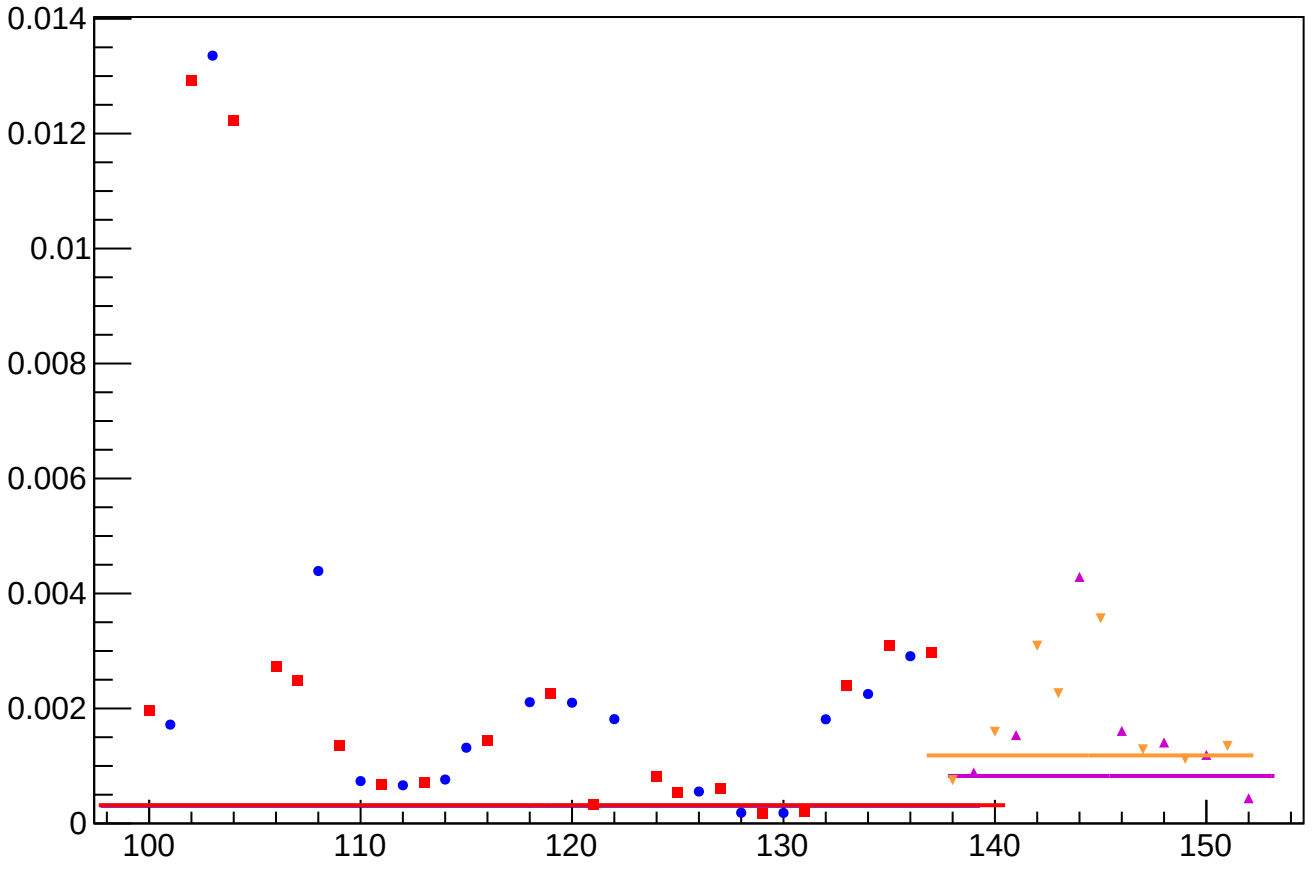
Left: -0.000+/-0.000 χ^2/NDF: 20.6/14

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:19.7/22

Out: 0.000+/-0.000 χ^2/NDF:29.4/26

All: 0.000+/-0.000 χ^2/NDF: 50.6/49



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:3273348.0/6

Left: 0.001+/-0.000 χ^2/NDF: 5730197.4/14

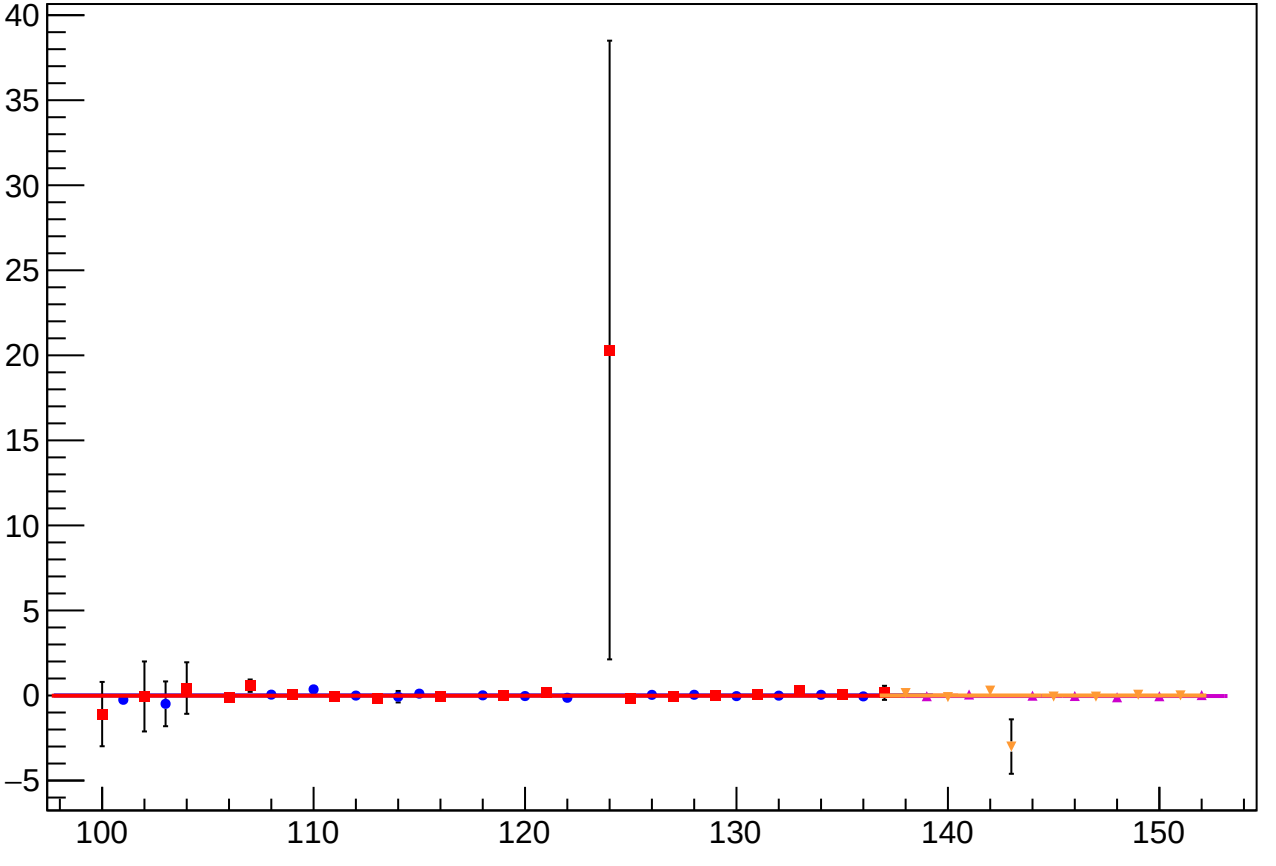
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:14626900.8/22

Out: 0.000+/-0.000 χ^2/NDF:14624559.2/26

All: 0.000+/-0.000 χ^2/NDF: 29259755.2/49

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: -0.031+/-0.022 χ^2/NDF:5.3/6

Left: -0.017+/-0.016 χ^2/NDF: 19.7/14

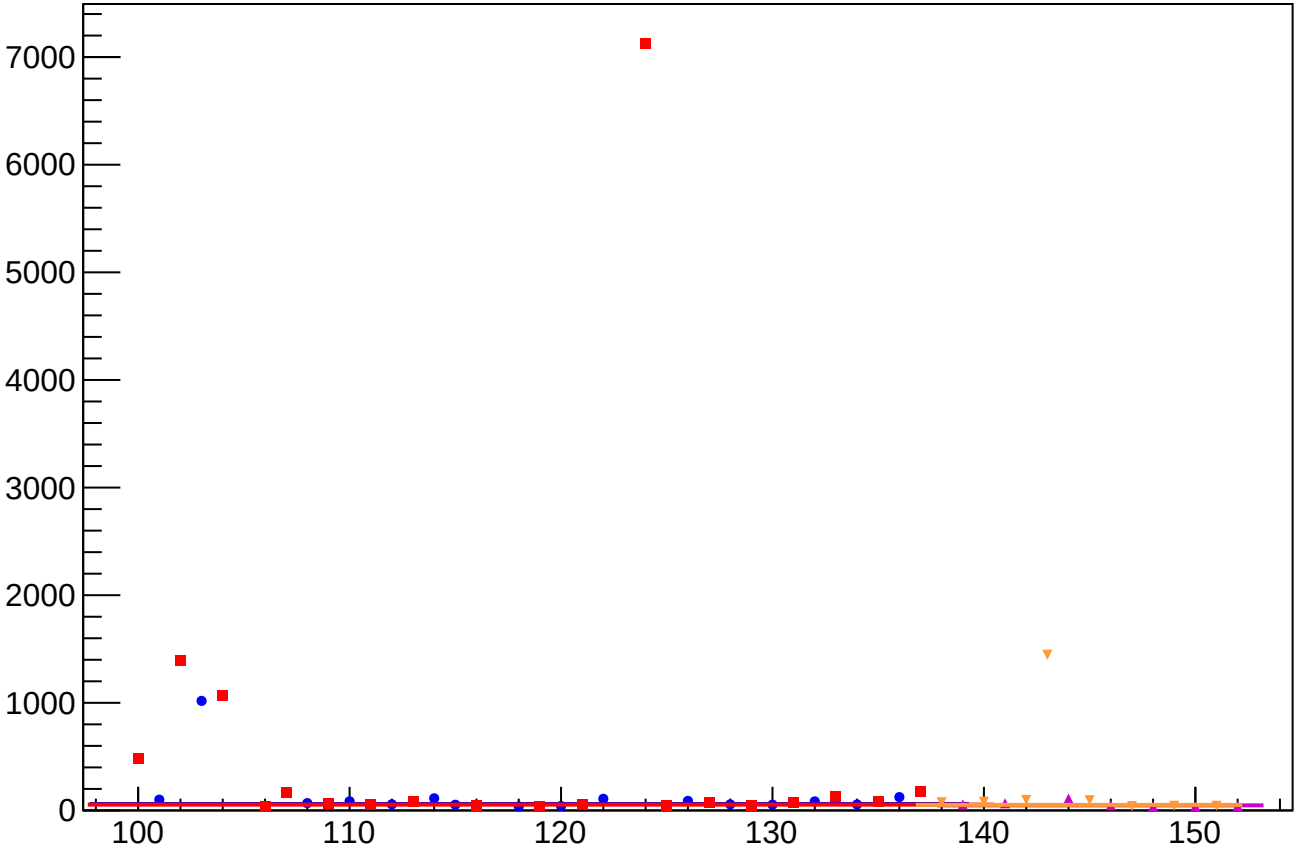
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.017+/-0.017 χ^2/NDF:17.8/22

Out: -0.006+/-0.018 χ^2/NDF:31.1/26

All: -0.012+/-0.012 χ^2/NDF: 49.1/49

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: 47.371+/-0.015 χ^2/NDF:885180.1/6

Left: 49.252+/-0.012 χ^2/NDF: 3450255.4/14

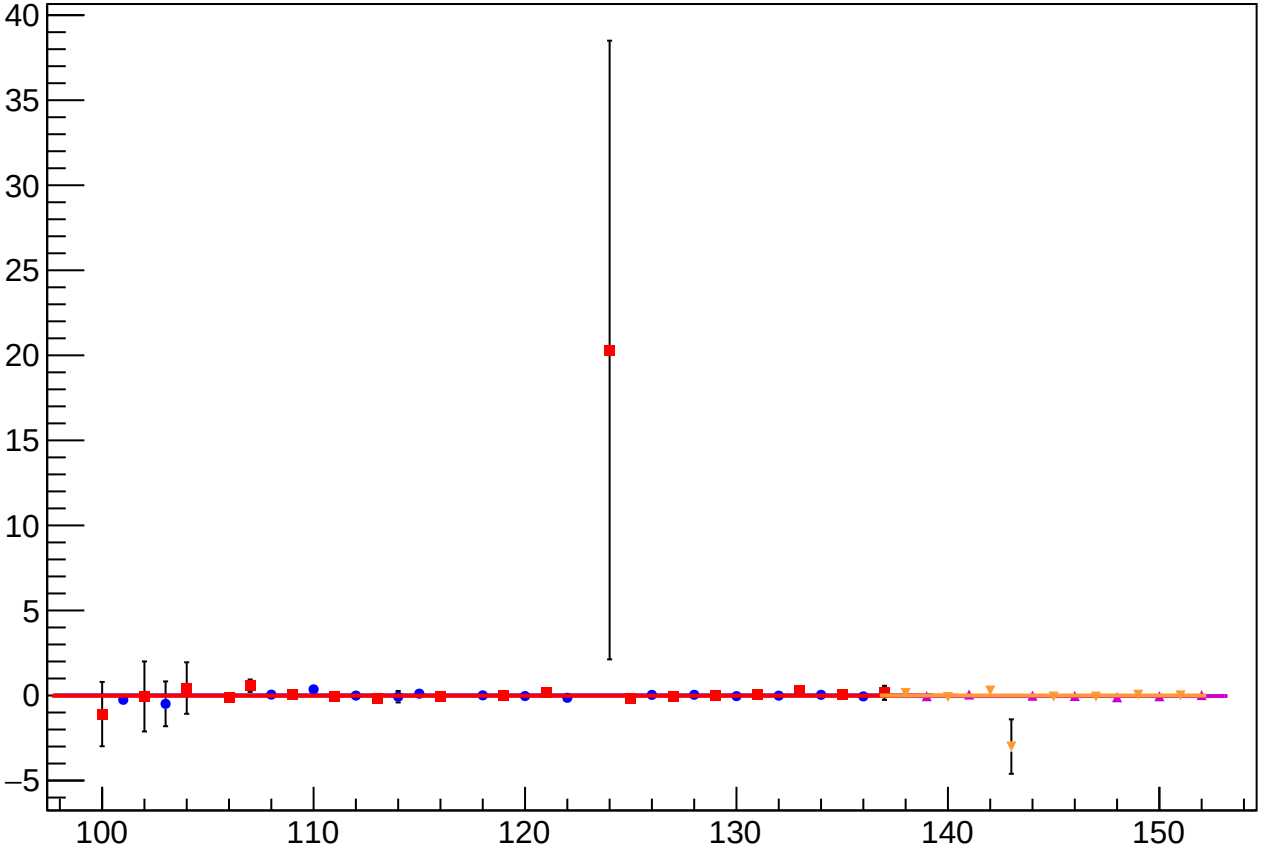
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 52.277+/-0.012 χ^2/NDF:3688243.5/22

Out: 53.007+/-0.013 χ^2/NDF:6059532.1/26

All: 52.615+/-0.009 χ^2/NDF: 9749536.5/49

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: -0.031+/-0.022 χ^2/NDF:5.3/6

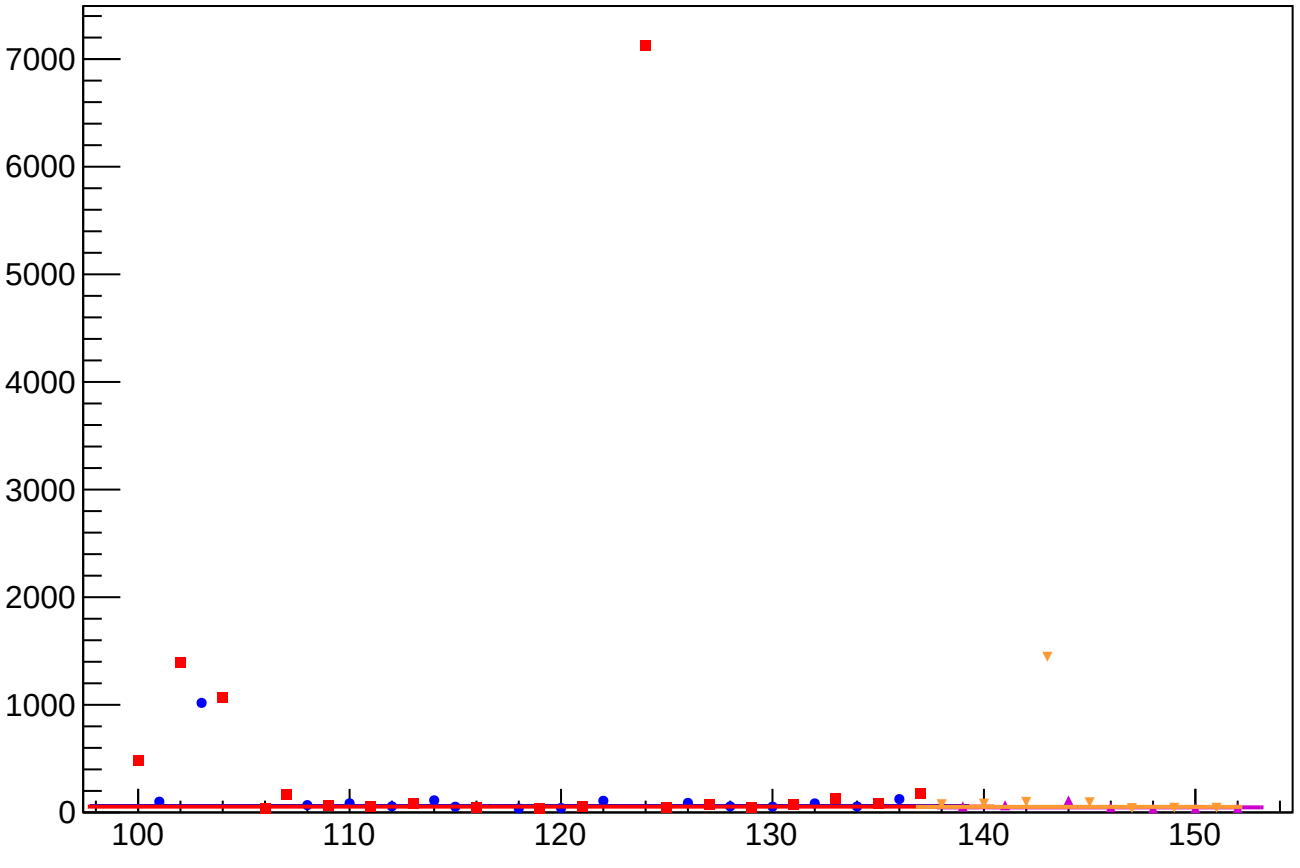
Left: -0.017+/-0.016 χ^2/NDF: 19.7/14

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.017+/-0.017 χ^2/NDF:17.8/22

Out: -0.006+/-0.018 χ^2/NDF:31.1/26

All: -0.012+/-0.012 χ^2/NDF: 49.1/49



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: 47.371+/-0.015 χ^2/NDF:885180.1/6

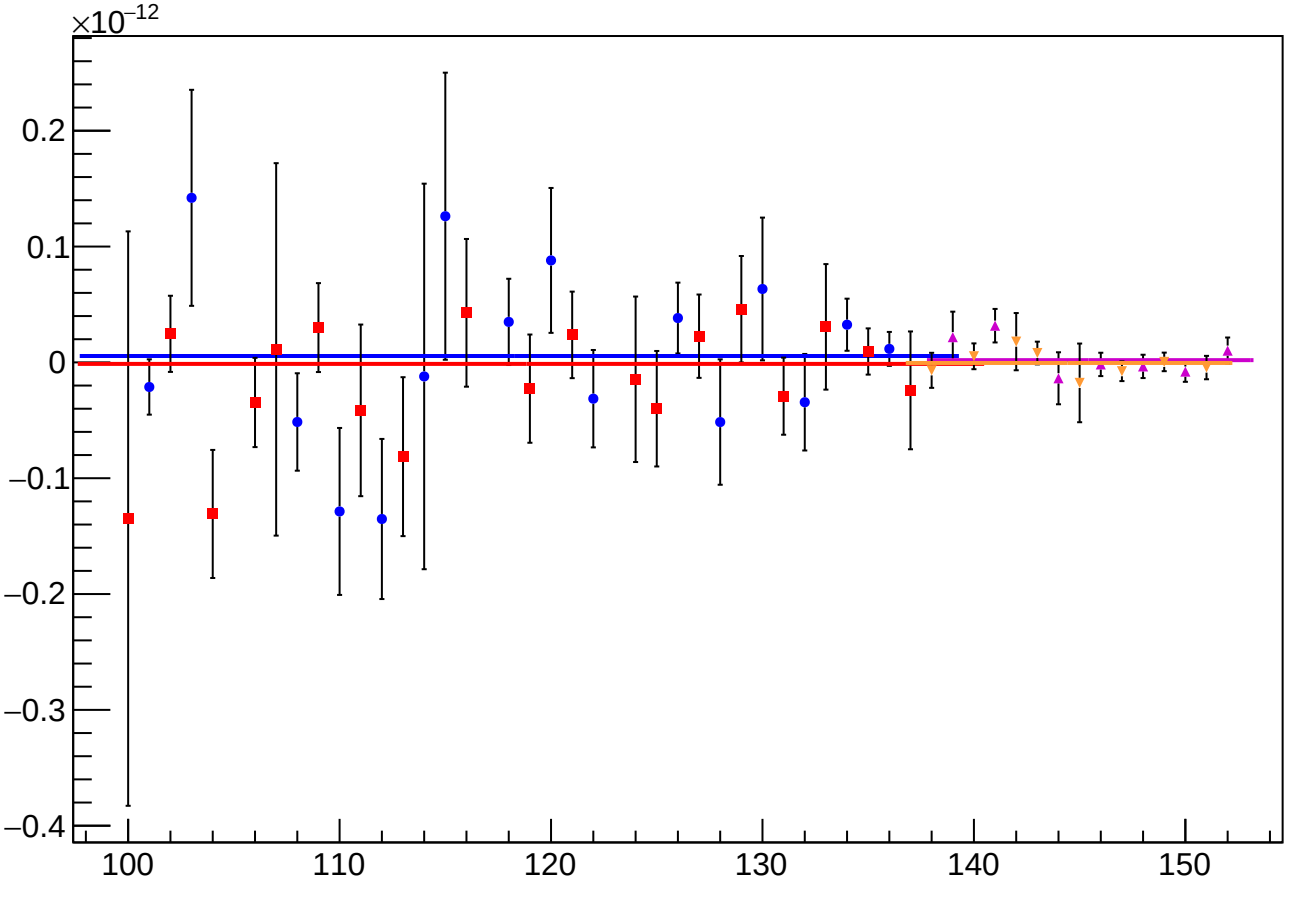
Left: 49.252+/-0.012 χ^2/NDF: 3450255.4/14

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 52.277+/-0.012 χ^2/NDF:3688243.5/22

Out: 53.007+/-0.013 χ^2/NDF:6059532.1/26

All: 52.615+/-0.009 χ^2/NDF: 9749536.5/49



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:7.7/6

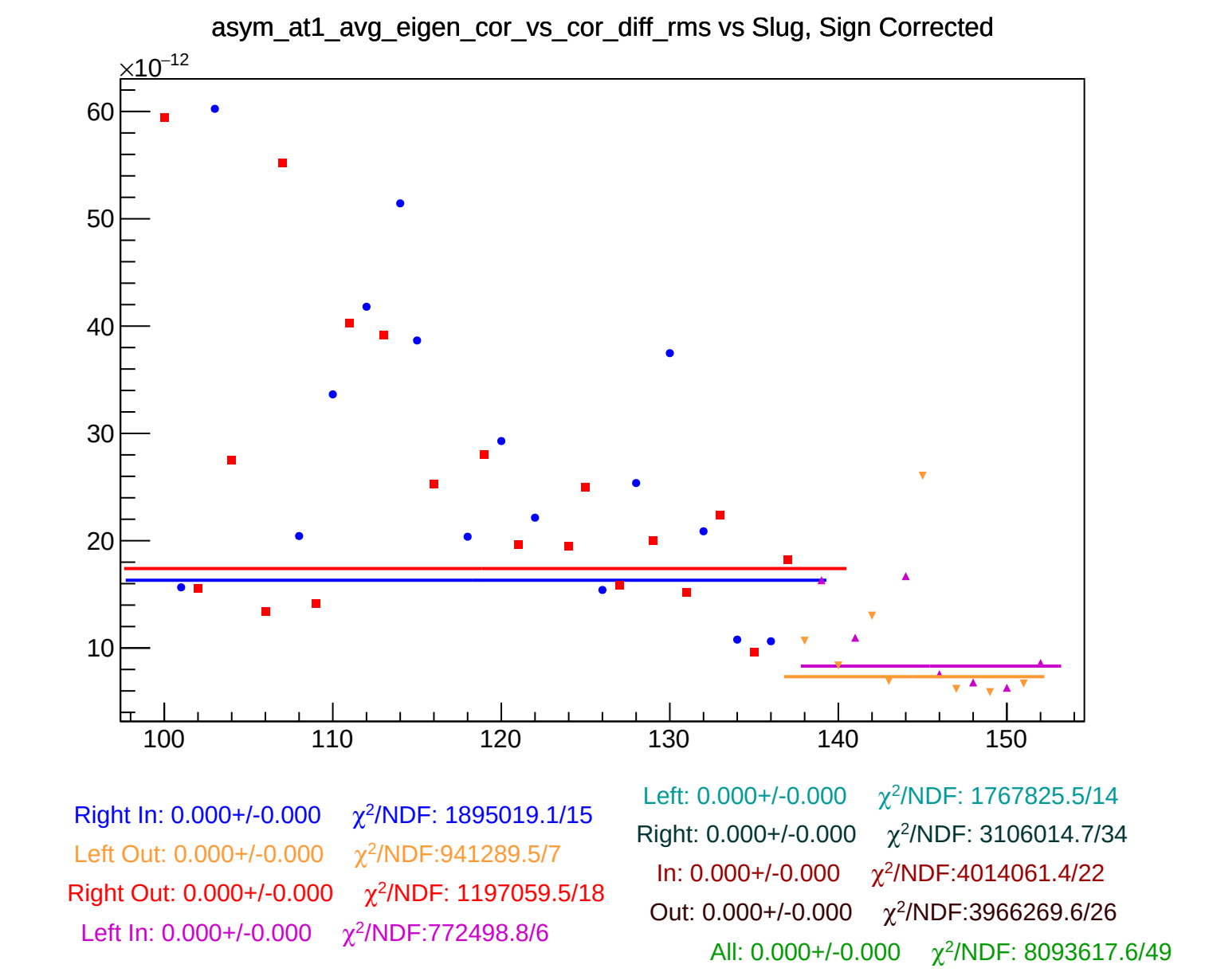
Left: 0.000+/-0.000 χ^2/NDF: 10.8/14

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

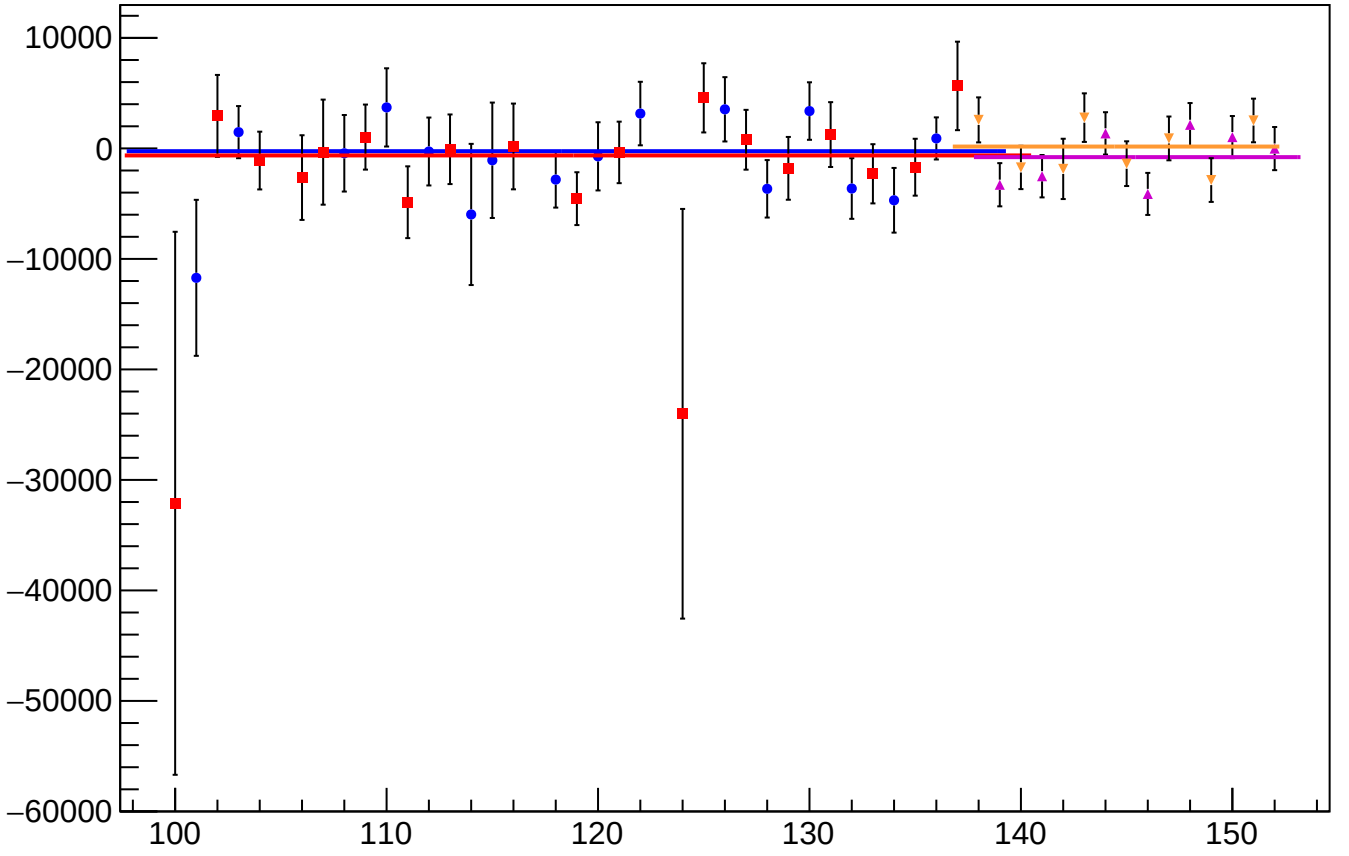
In: 0.000+/-0.000 χ^2/NDF:30.5/22

Out: -0.000+/-0.000 χ^2/NDF:17.2/26

All: 0.000+/-0.000 χ^2/NDF: 48.0/49


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:941289.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:772498.8/6
Left: 0.000+/-0.000 χ²/NDF: 1767825.5/14
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:4014061.4/22
Out: 0.000+/-0.000 χ²/NDF:3966269.6/26
All: 0.000+/-0.000 χ²/NDF: 8093617.6/49

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: -789.877+/-729.716 χ^2/NDF:10.0/6

Left: -314.570+/-517.683 χ^2/NDF: 19.7/14

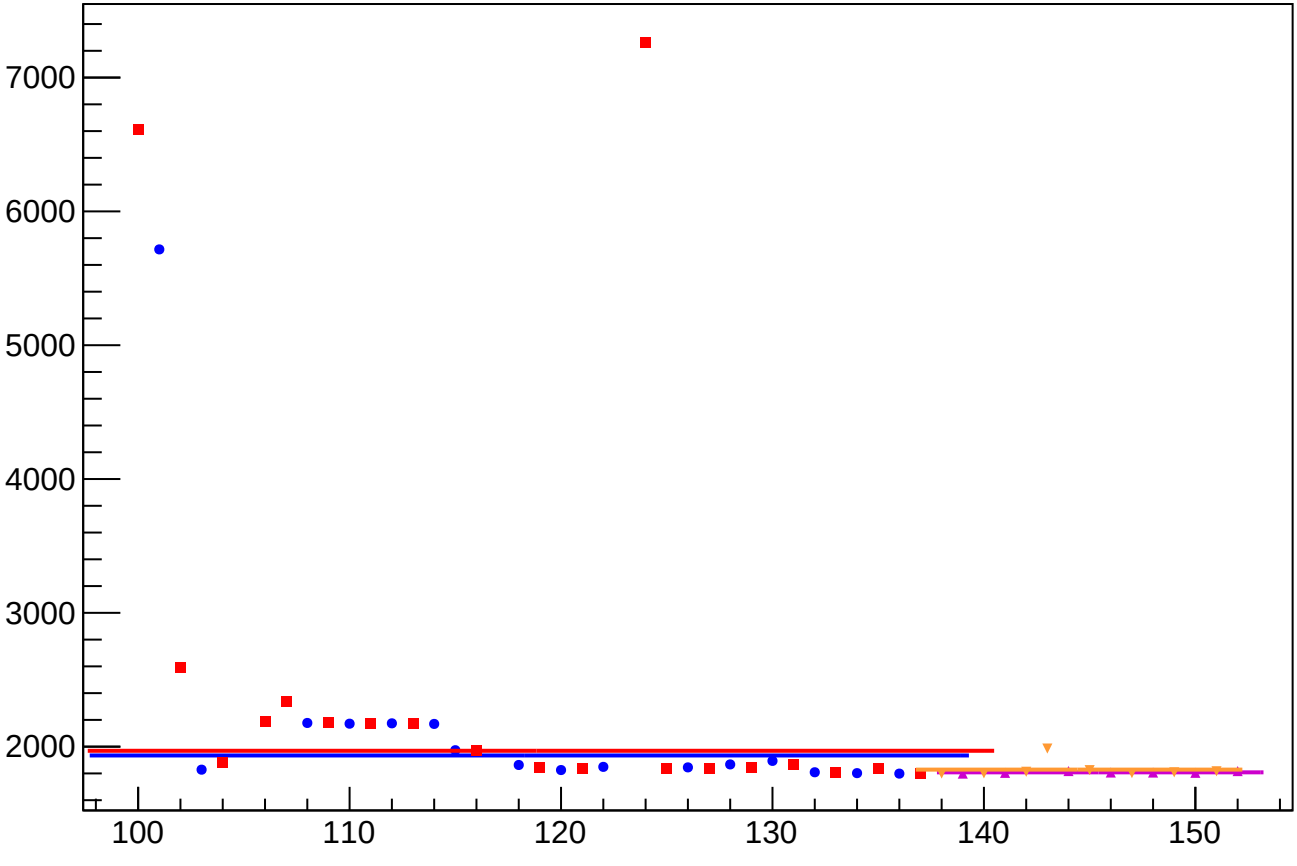
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -522.571+/-517.884 χ^2/NDF:27.6/22

Out: -234.008+/-519.728 χ^2/NDF:25.3/26

All: -378.802+/-366.850 χ^2/NDF: 53.0/49

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: 1808.112+/-0.516 χ^2/NDF:158.5/6

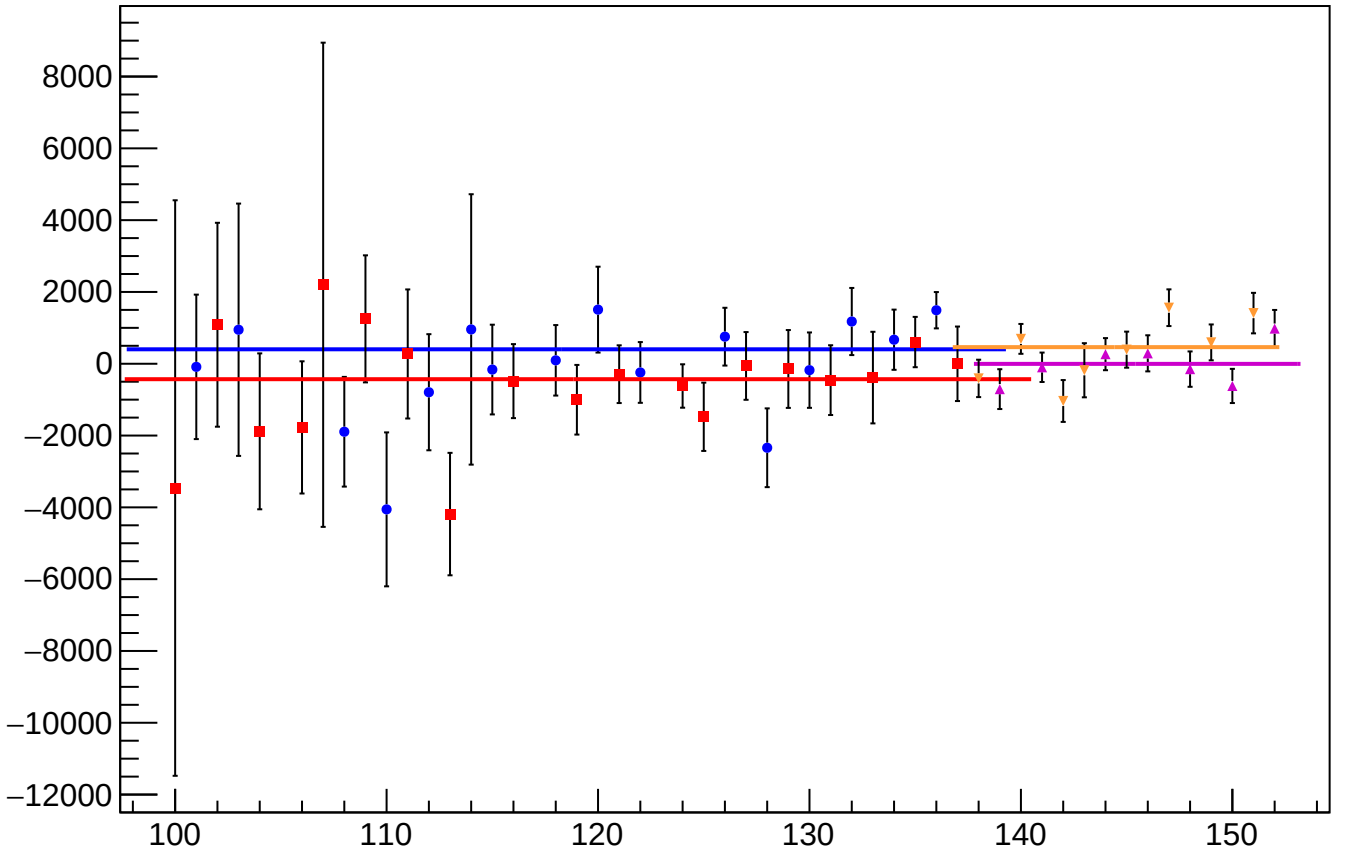
Left: 1818.220+/-0.366 χ^2/NDF: 12723.0/14

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1870.700+/-0.366 χ^2/NDF:669723.1/22

Out: 1898.743+/-0.368 χ^2/NDF:426837.1/26

All: 1884.671+/-0.259 χ^2/NDF: 1099481.9/49



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: -3.339+/-181.319 χ^2/NDF:7.7/6

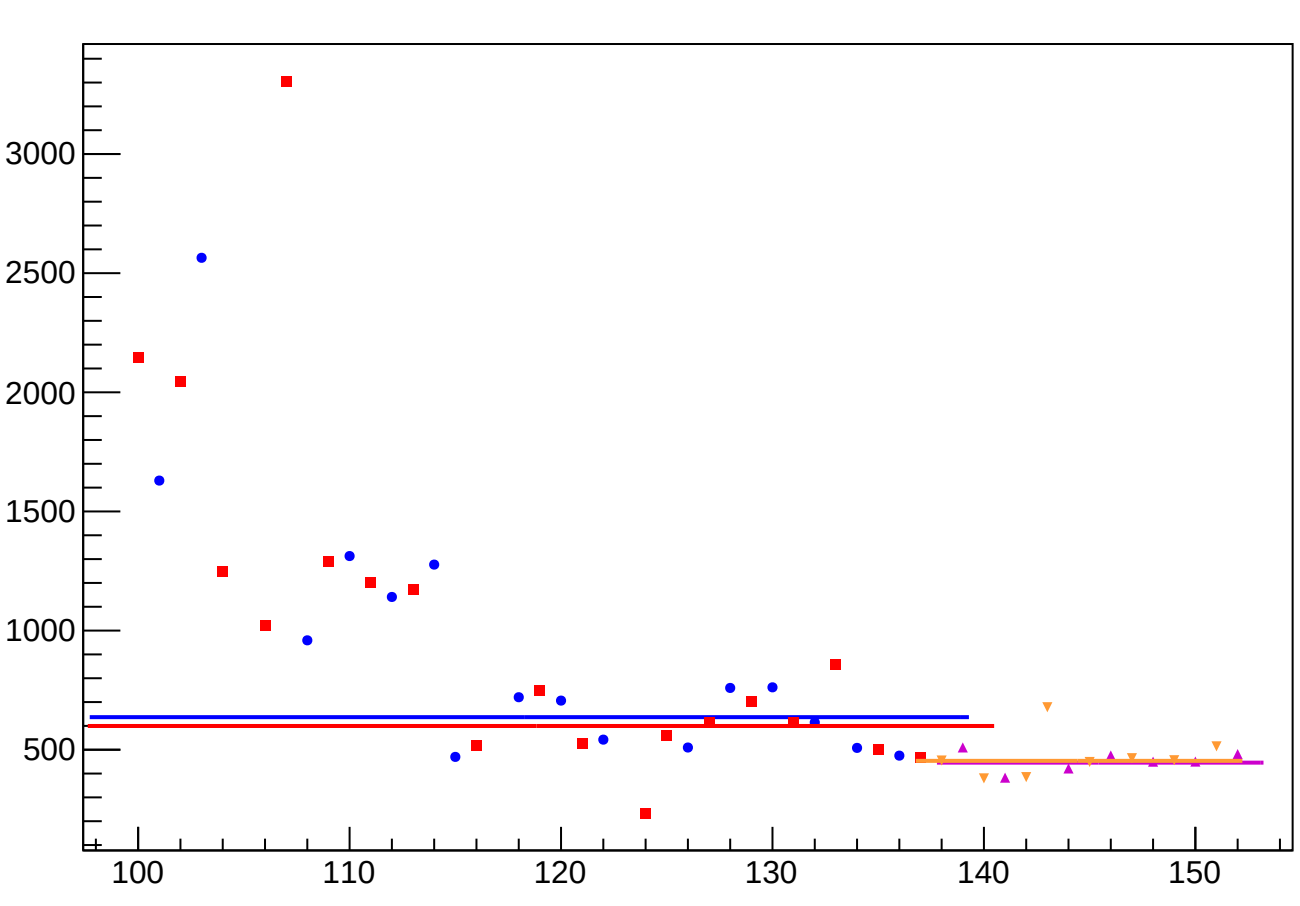
Left: 224.635+/-129.613 χ^2/NDF: 28.9/14

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 130.480+/-148.457 χ^2/NDF:30.5/22

Out: 150.710+/-149.482 χ^2/NDF:37.8/26

All: 140.526+/-105.335 χ^2/NDF: 68.3/49



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: 445.796+/-0.128 χ^2/NDF:96857.3/6

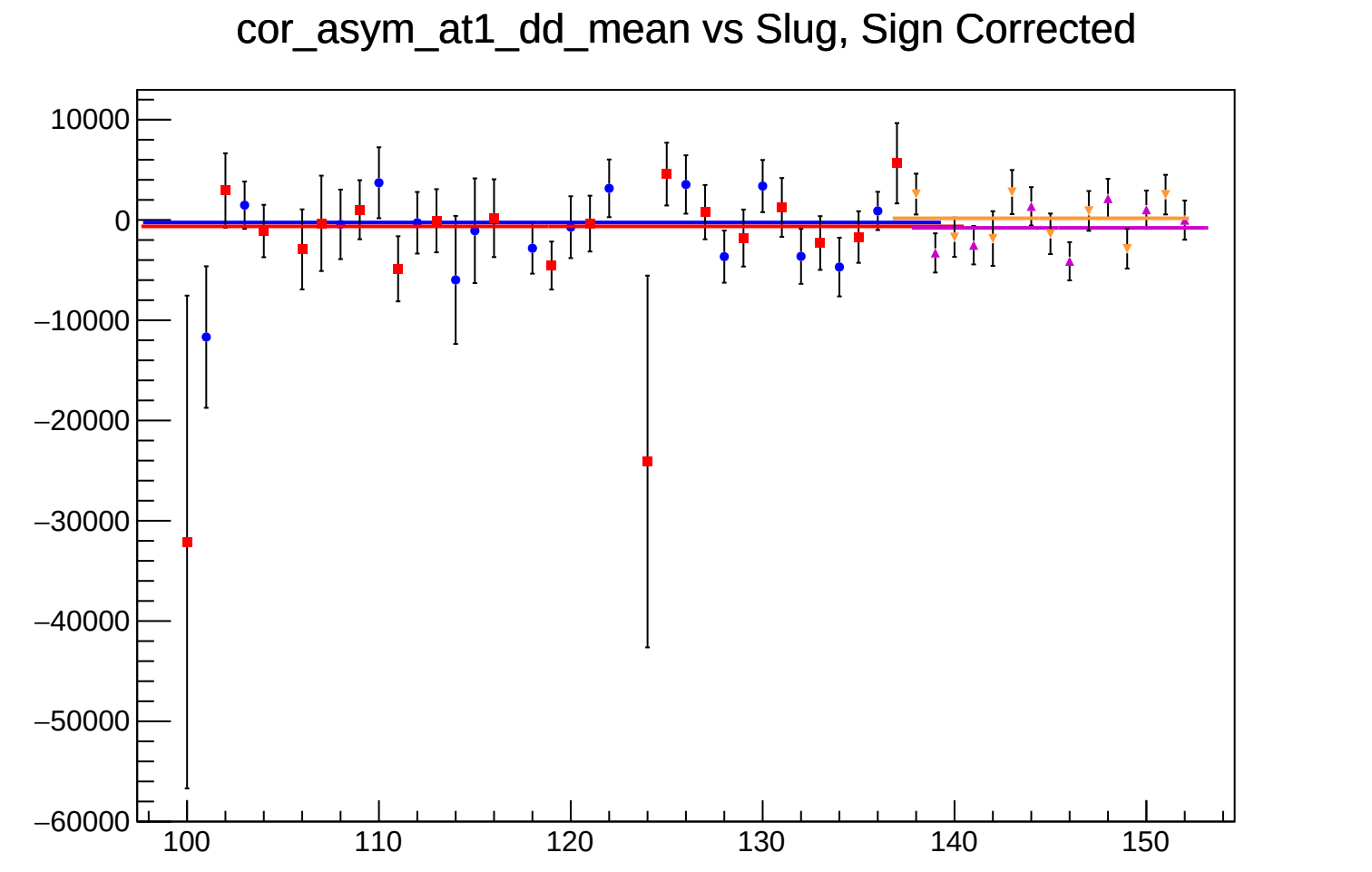
Left: 449.463+/-0.092 χ^2/NDF: 391034.6/14

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 508.724+/-0.105 χ^2/NDF:2894554.4/22

Out: 504.451+/-0.106 χ^2/NDF:3672412.8/26

All: 506.602+/-0.074 χ^2/NDF: 6567790.2/49



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: -789.903+/-729.716 χ^2/NDF:10.0/6

Left: -314.656+/-517.683 χ^2/NDF: 19.7/14

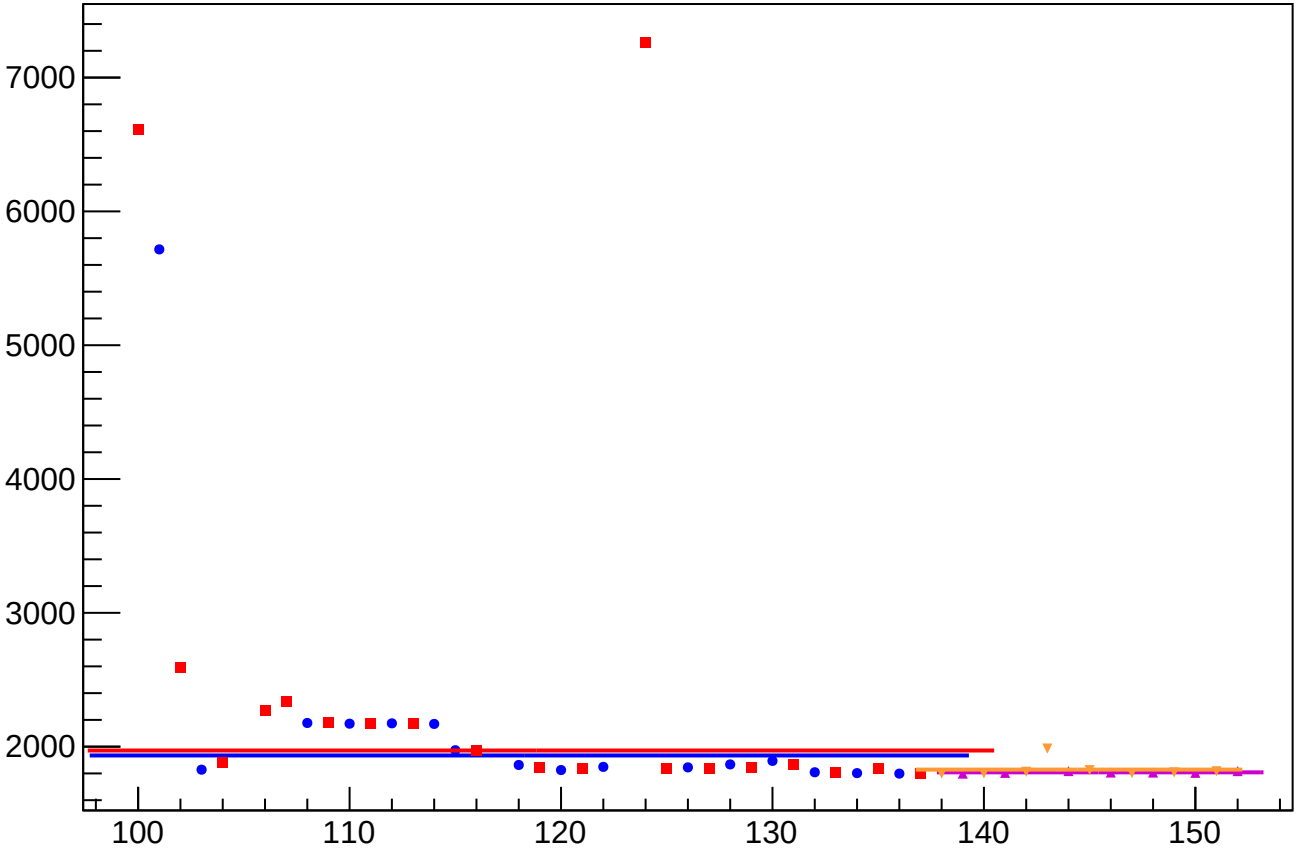
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -522.182+/-517.884 χ^2/NDF:27.5/22

Out: -235.882+/-520.106 χ^2/NDF:25.4/26

All: -379.645+/-366.982 χ^2/NDF: 53.1/49

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: 1808.112+/-0.516 χ^2/NDF:158.5/6

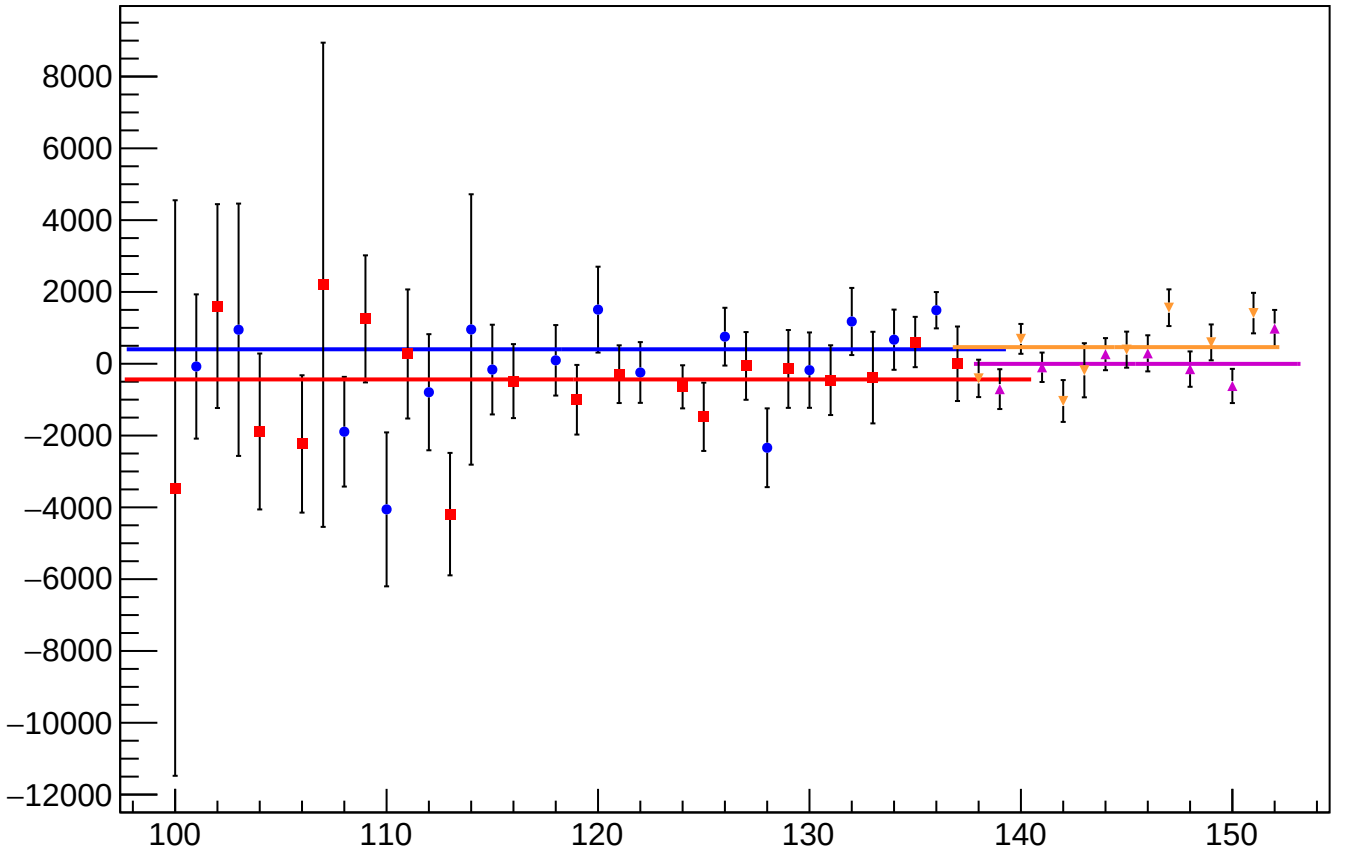
Left: 1818.220+/-0.366 χ^2/NDF: 12723.0/14

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1870.700+/-0.366 χ^2/NDF:669723.0/22

Out: 1899.714+/-0.368 χ^2/NDF:432710.0/26

All: 1885.145+/-0.259 χ^2/NDF: 1105558.3/49



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: -3.431+/-181.316 χ^2/NDF:7.7/6

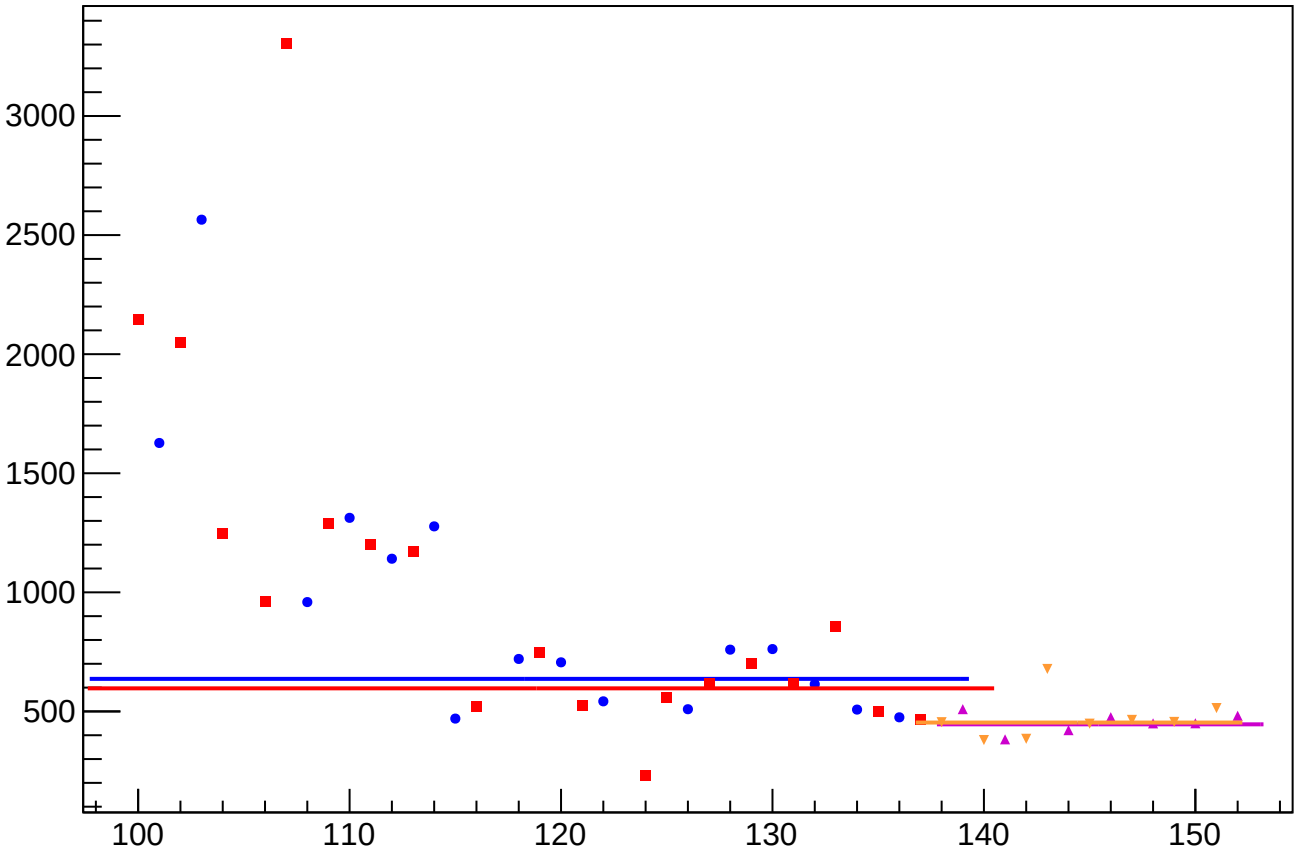
Left: 224.551+/-129.613 χ^2/NDF: 28.9/14

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 130.447+/-148.453 χ^2/NDF:30.5/22

Out: 148.106+/-149.452 χ^2/NDF:38.6/26

All: 139.217+/-105.323 χ^2/NDF: 69.1/49



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: 445.788+/-0.128 χ^2/NDF:96853.2/6

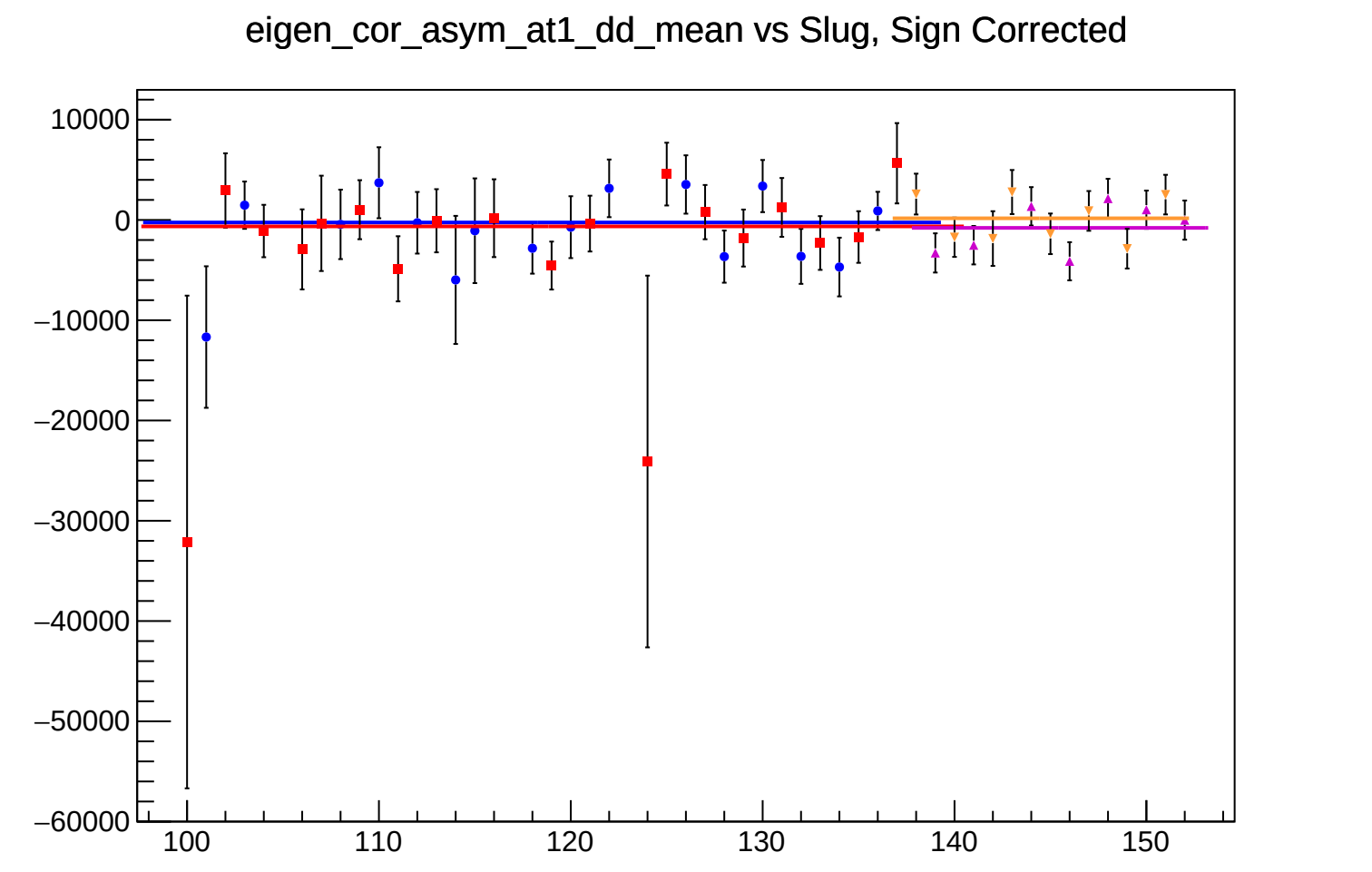
Left: 449.462+/-0.092 χ^2/NDF: 390986.8/14

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 508.720+/-0.105 χ^2/NDF:2893778.3/22

Out: 503.527+/-0.106 χ^2/NDF:3642649.3/26

All: 506.141+/-0.074 χ^2/NDF: 6537643.2/49



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: -789.903+/-729.716 χ^2/NDF:10.0/6

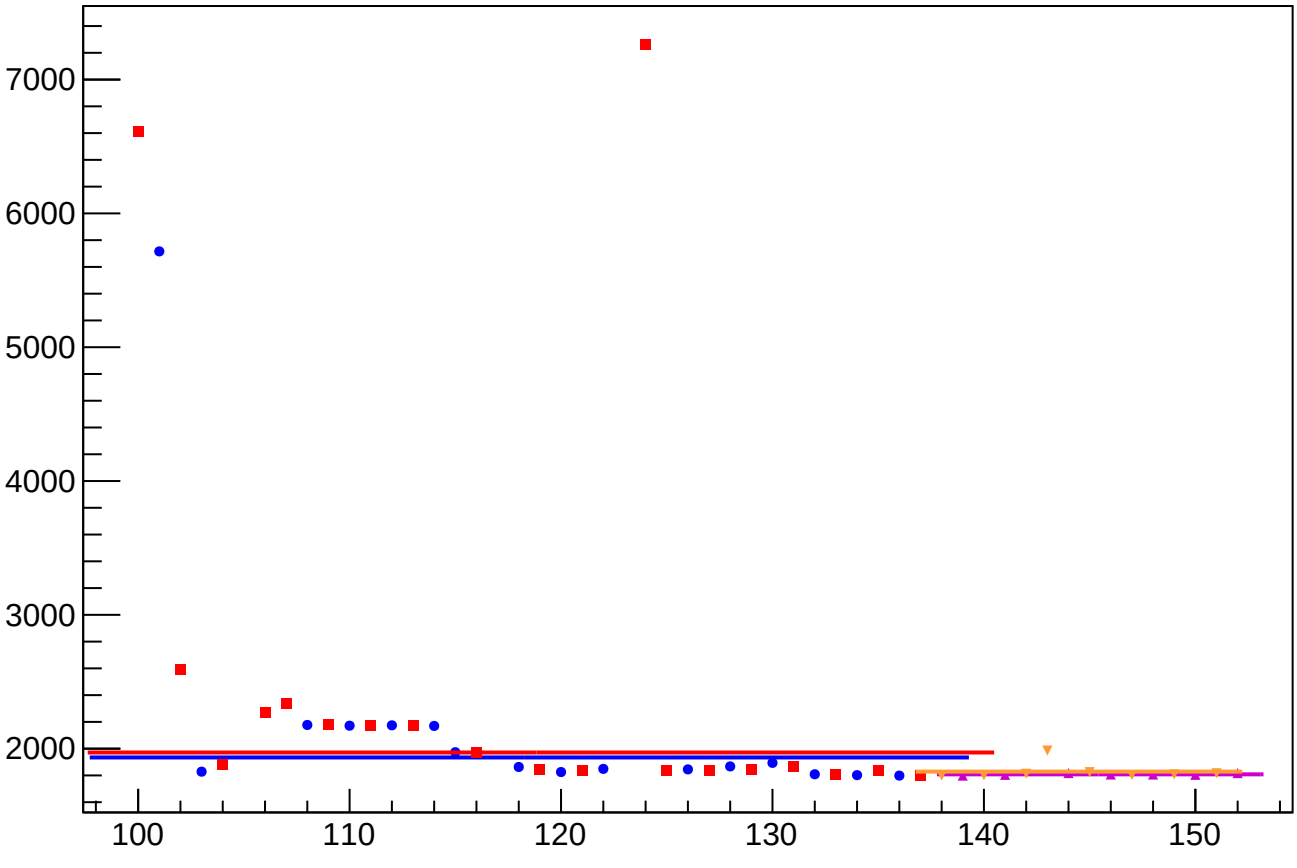
Left: -314.656+/-517.683 χ^2/NDF: 19.7/14

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -522.182+/-517.884 χ^2/NDF:27.5/22

Out: -235.882+/-520.106 χ^2/NDF:25.4/26

All: -379.645+/-366.982 χ^2/NDF: 53.1/49



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: 1808.112+/-0.516 χ^2/NDF:158.5/6

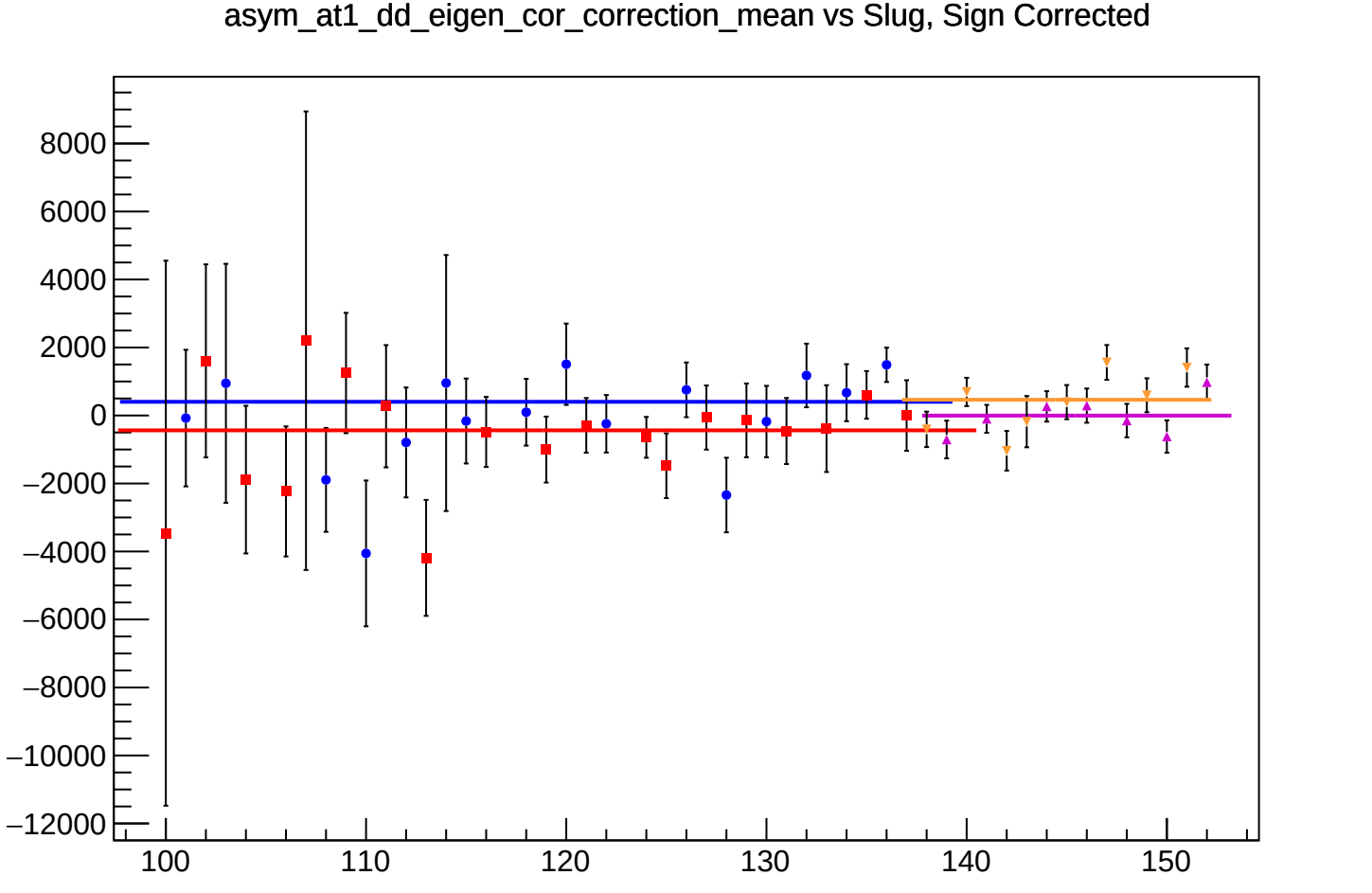
Left: 1818.220+/-0.366 χ^2/NDF: 12723.0/14

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1870.700+/-0.366 χ^2/NDF:669723.0/22

Out: 1899.714+/-0.368 χ^2/NDF:432710.0/26

All: 1885.145+/-0.259 χ^2/NDF: 1105558.3/49



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: -3.431+/-181.316 χ^2/NDF:7.7/6

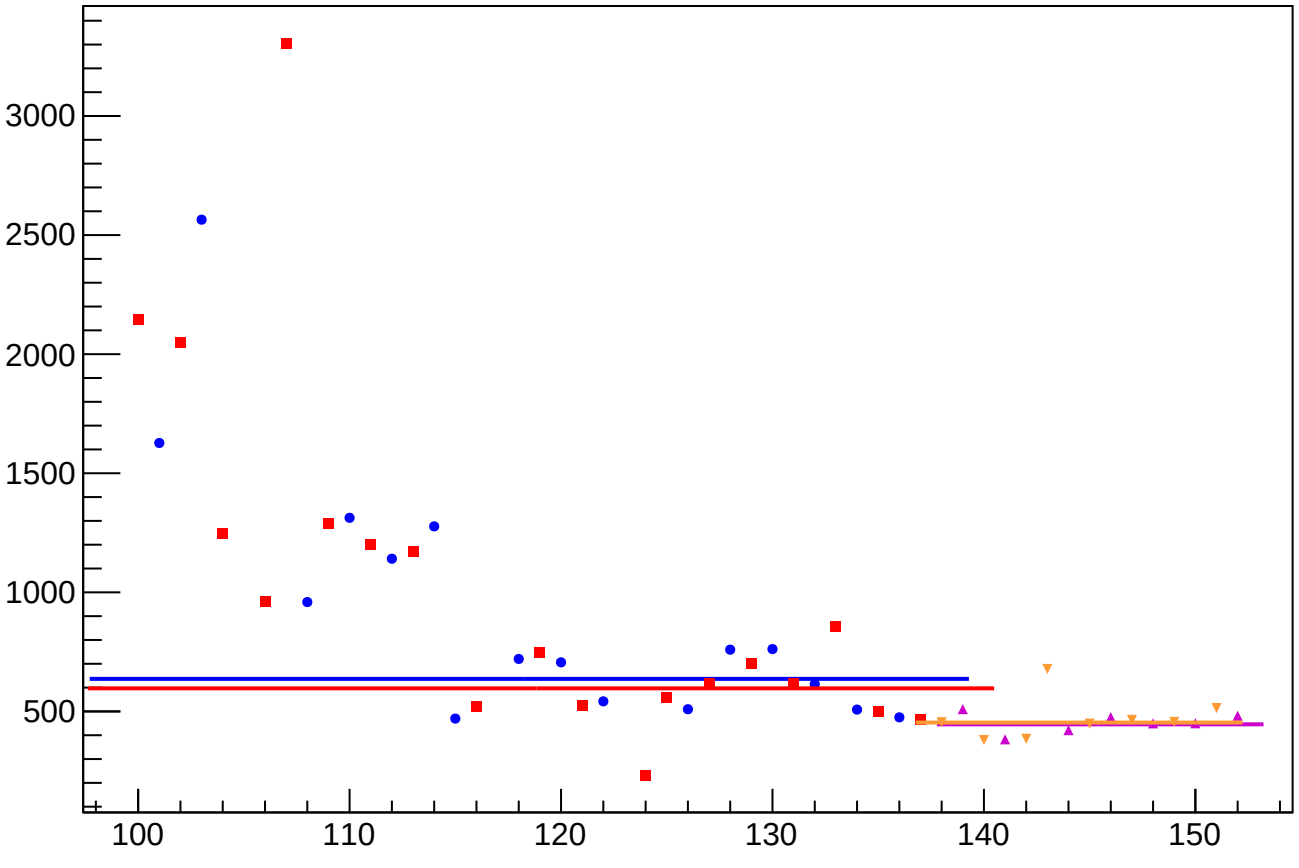
Left: 224.551+/-129.613 χ^2/NDF: 28.9/14

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 130.447+/-148.453 χ^2/NDF:30.5/22

Out: 148.106+/-149.452 χ^2/NDF:38.6/26

All: 139.217+/-105.323 χ^2/NDF: 69.1/49



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: 445.788+/-0.128 χ^2/NDF:96853.2/6

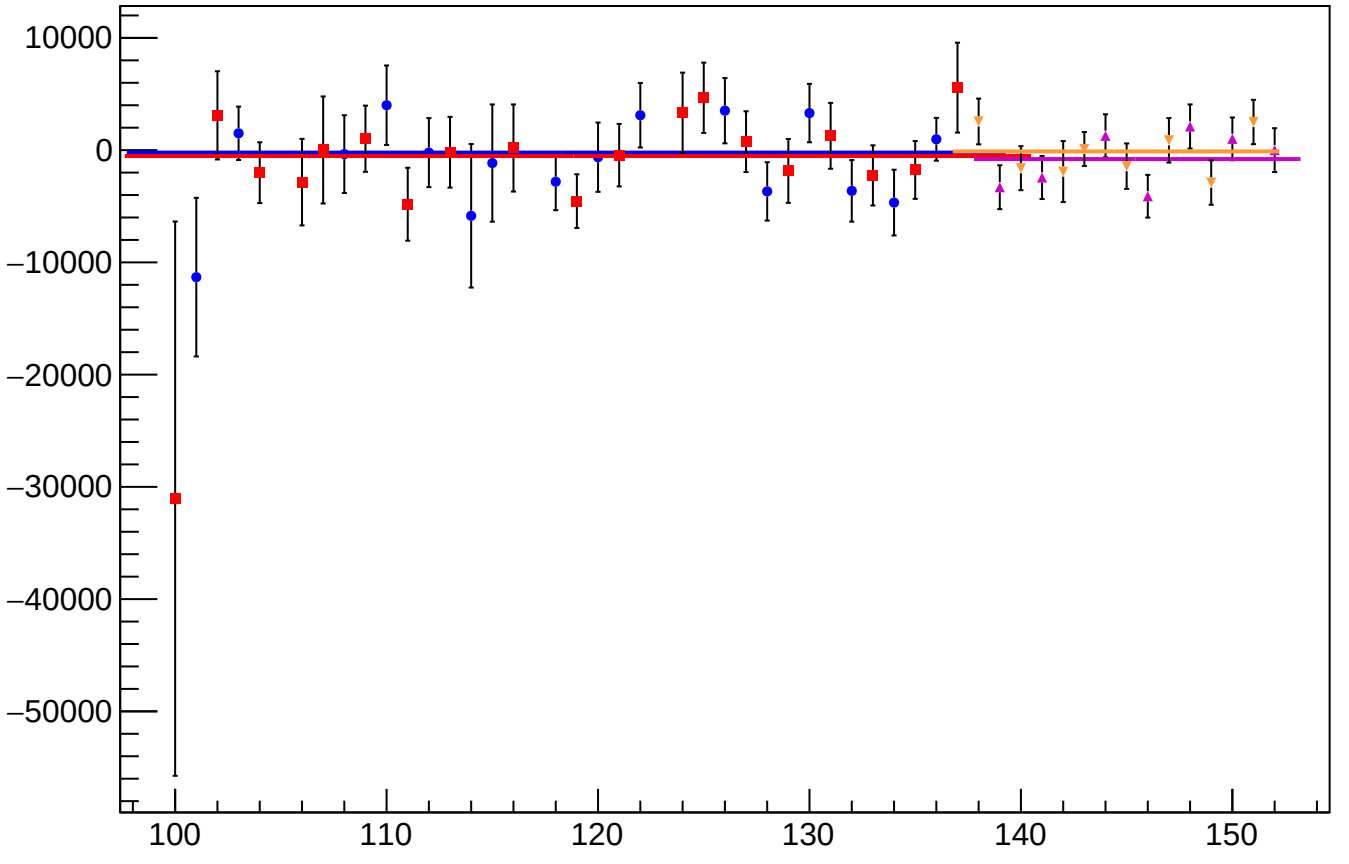
Left: 449.462+/-0.092 χ^2/NDF: 390986.8/14

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 508.720+/-0.105 χ^2/NDF:2893778.3/22

Out: 503.527+/-0.106 χ^2/NDF:3642649.3/26

All: 506.141+/-0.074 χ^2/NDF: 6537643.2/49



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: -794.336+/-729.963 χ^2/NDF:9.8/6

Left: -436.017+/-502.399 χ^2/NDF: 17.4/14

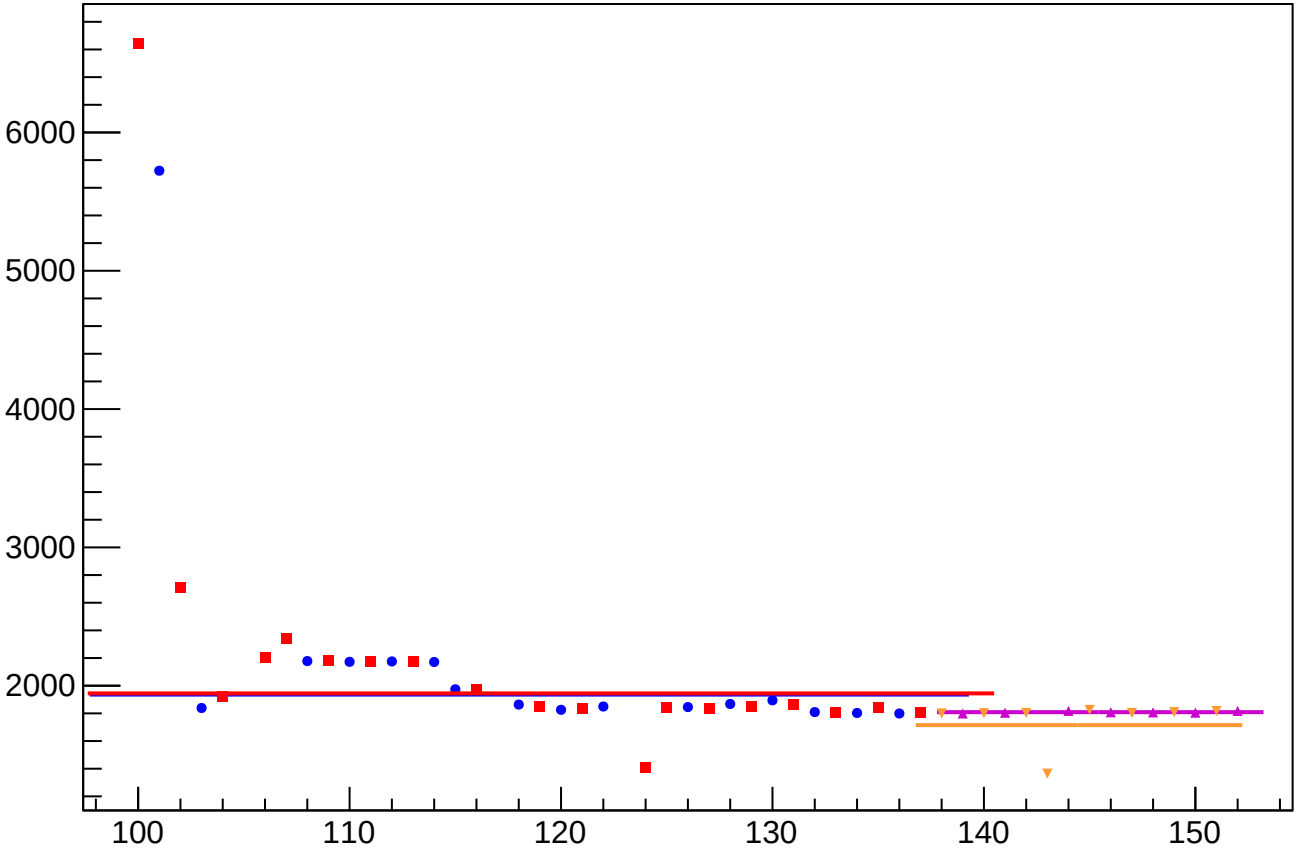
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -509.684+/-518.244 χ^2/NDF:27.2/22

Out: -307.582+/-500.766 χ^2/NDF:22.9/26

All: -405.168+/-360.115 χ^2/NDF: 50.2/49

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: 1808.725+/-0.516 χ^2/NDF:157.7/6

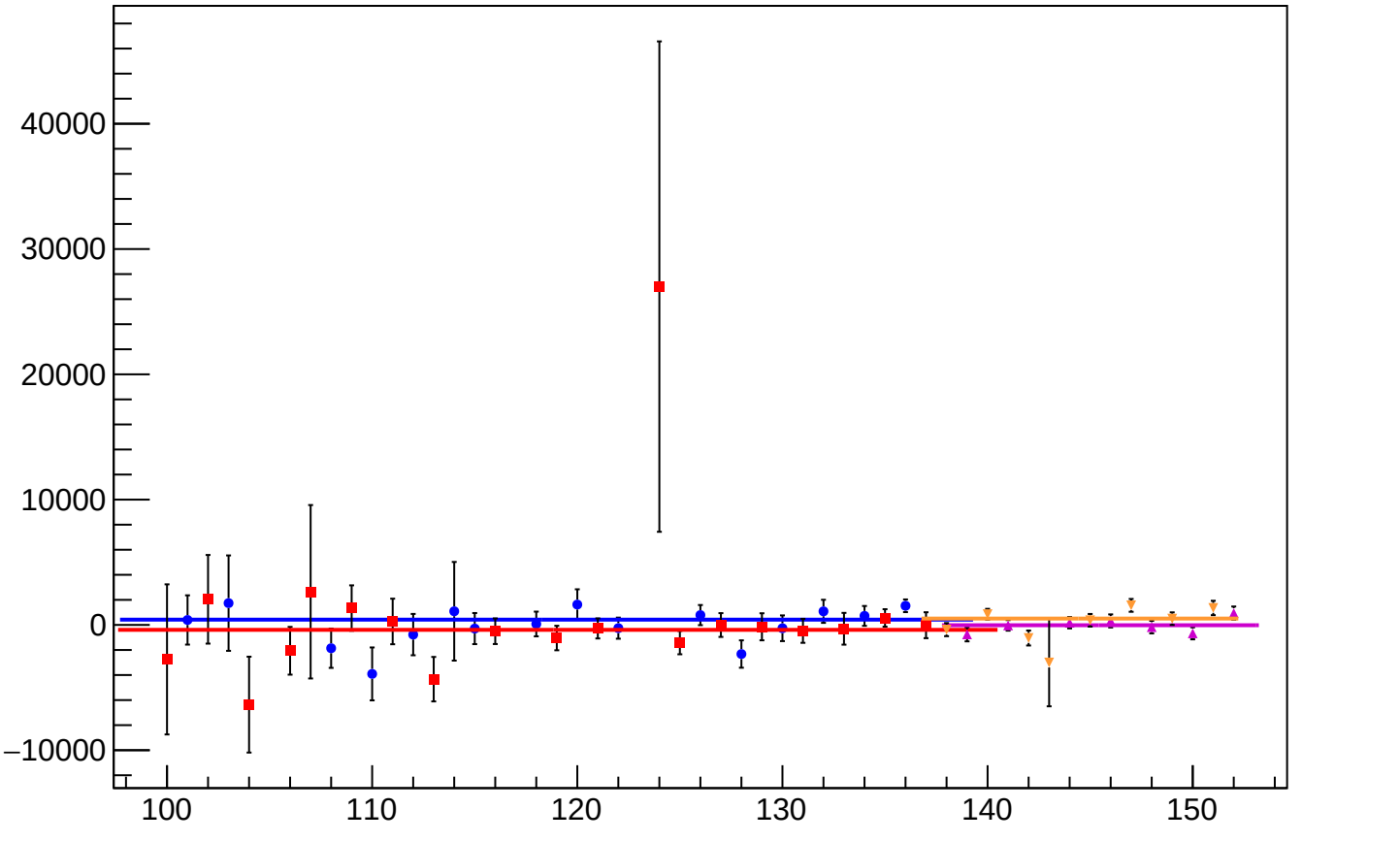
Left: 1759.424+/-0.355 χ^2/NDF: 154473.2/14

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1871.835+/-0.366 χ^2/NDF:670108.4/22

Out: 1824.521+/-0.354 χ^2/NDF:517952.1/26

All: 1847.367+/-0.255 χ^2/NDF: 1196681.6/49



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: -24.623+/-184.985 χ^2/NDF:7.6/6

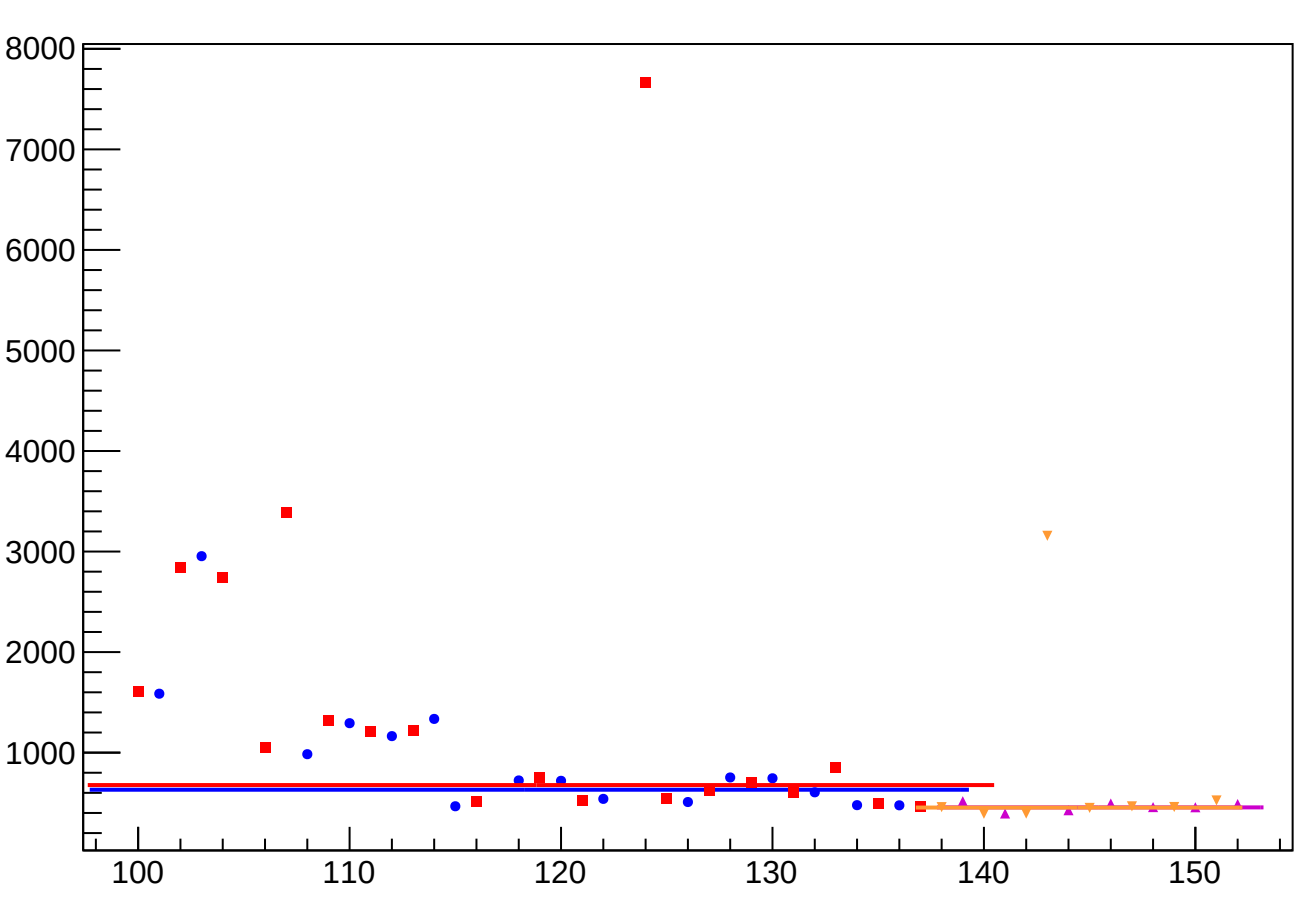
Left: 229.389+/-133.707 χ^2/NDF: 29.2/14

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 127.703+/-150.087 χ^2/NDF:31.0/22

Out: 215.517+/-159.095 χ^2/NDF:40.6/26

All: 169.054+/-109.173 χ^2/NDF: 71.8/49



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: 455.365+/-0.131 χ^2/NDF:92272.3/6

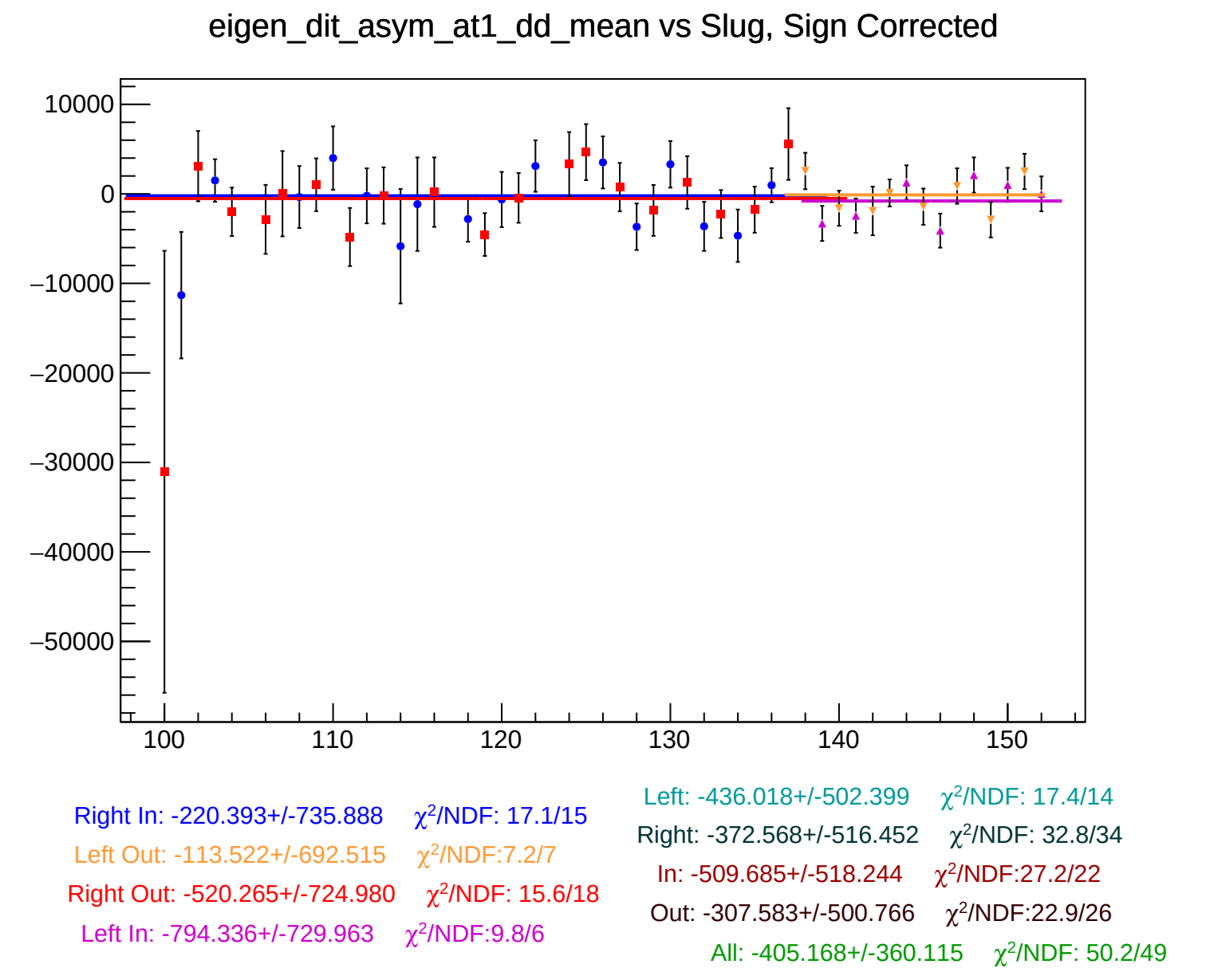
Left: 454.592+/-0.095 χ^2/NDF: 1382779.5/14

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

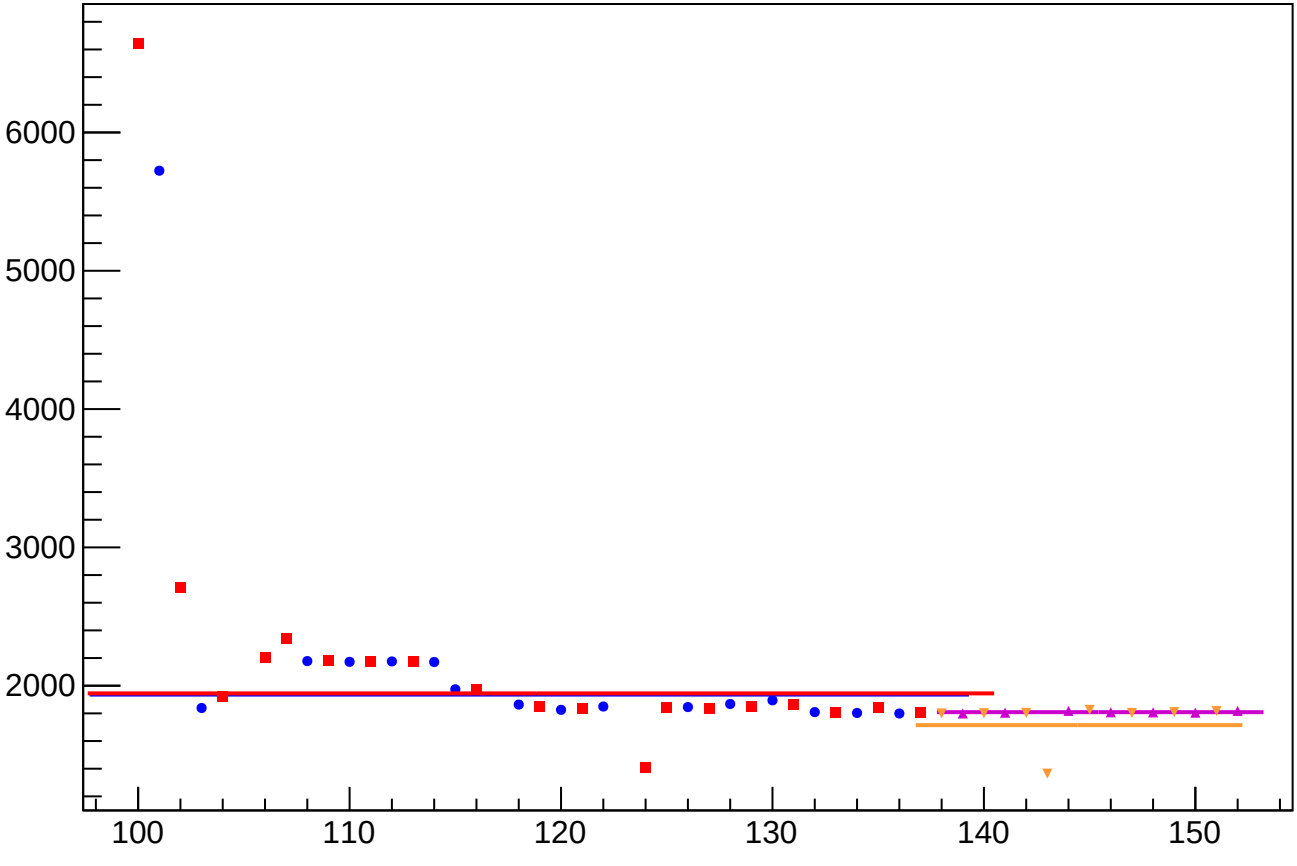
In: 515.430+/-0.106 χ^2/NDF:2943829.4/22

Out: 526.192+/-0.112 χ^2/NDF:5237771.7/26

All: 520.498+/-0.077 χ^2/NDF: 8186443.6/49


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: -794.336+/-729.963 χ²/NDF:9.8/6
Left: -436.018+/-502.399 χ²/NDF: 17.4/14
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -509.685+/-518.244 χ²/NDF:27.2/22
Out: -307.583+/-500.766 χ²/NDF:22.9/26
All: -405.168+/-360.115 χ²/NDF: 50.2/49

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: 1808.725+/-0.516 χ^2/NDF:157.7/6

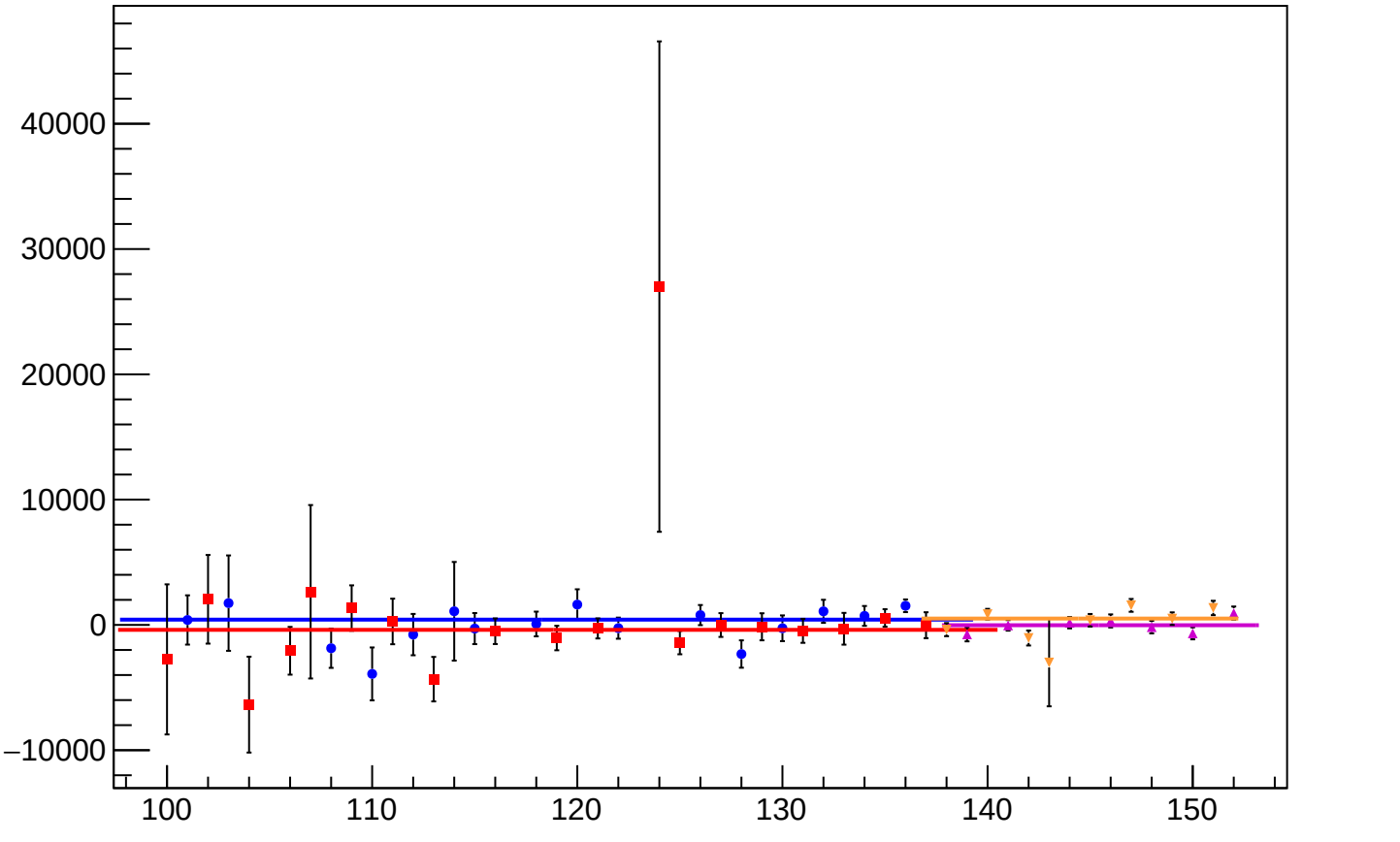
Left: 1759.424+/-0.355 χ^2/NDF: 154473.2/14

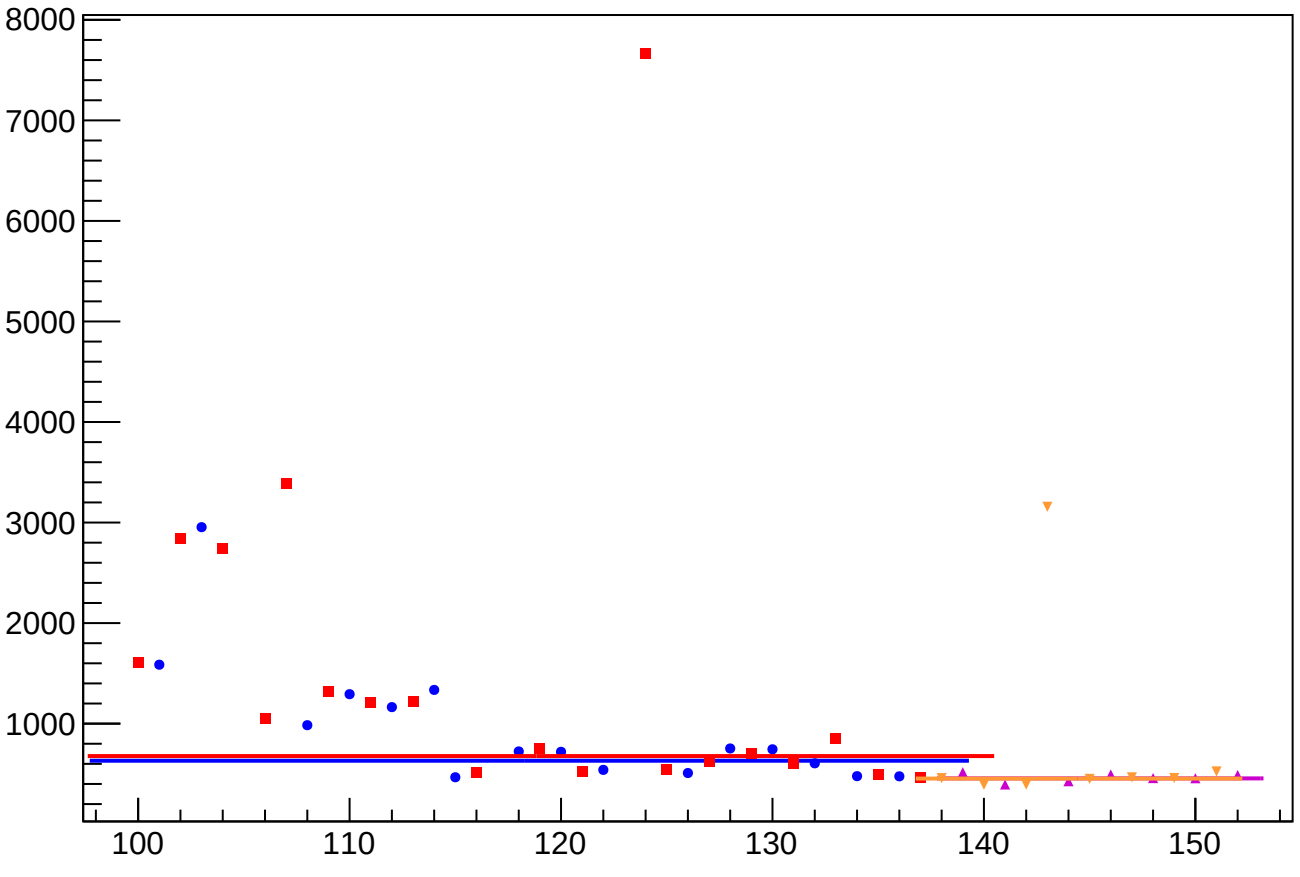
Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1871.835+/-0.366 χ^2/NDF:670108.4/22

Out: 1824.521+/-0.354 χ^2/NDF:517951.8/26

All: 1847.367+/-0.255 χ^2/NDF: 1196681.4/49


asym_at1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: 421.144+/-256.749 χ²/NDF: 21.5/15
Left Out: 507.270+/-193.481 χ²/NDF:17.7/7
Right Out: -393.591+/-279.562 χ²/NDF: 15.9/18
Left In: -24.623+/-184.985 χ²/NDF:7.6/6
Left: 229.389+/-133.707 χ²/NDF: 29.2/14
Right: 48.371+/-189.101 χ²/NDF: 41.9/34
In: 127.703+/-150.087 χ²/NDF:31.0/22
Out: 215.518+/-159.095 χ²/NDF:40.6/26
All: 169.054+/-109.173 χ²/NDF: 71.8/49



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: 455.364+/-0.131 χ^2/NDF:92273.1/6

Left: 454.592+/-0.095 χ^2/NDF: 1382779.9/14

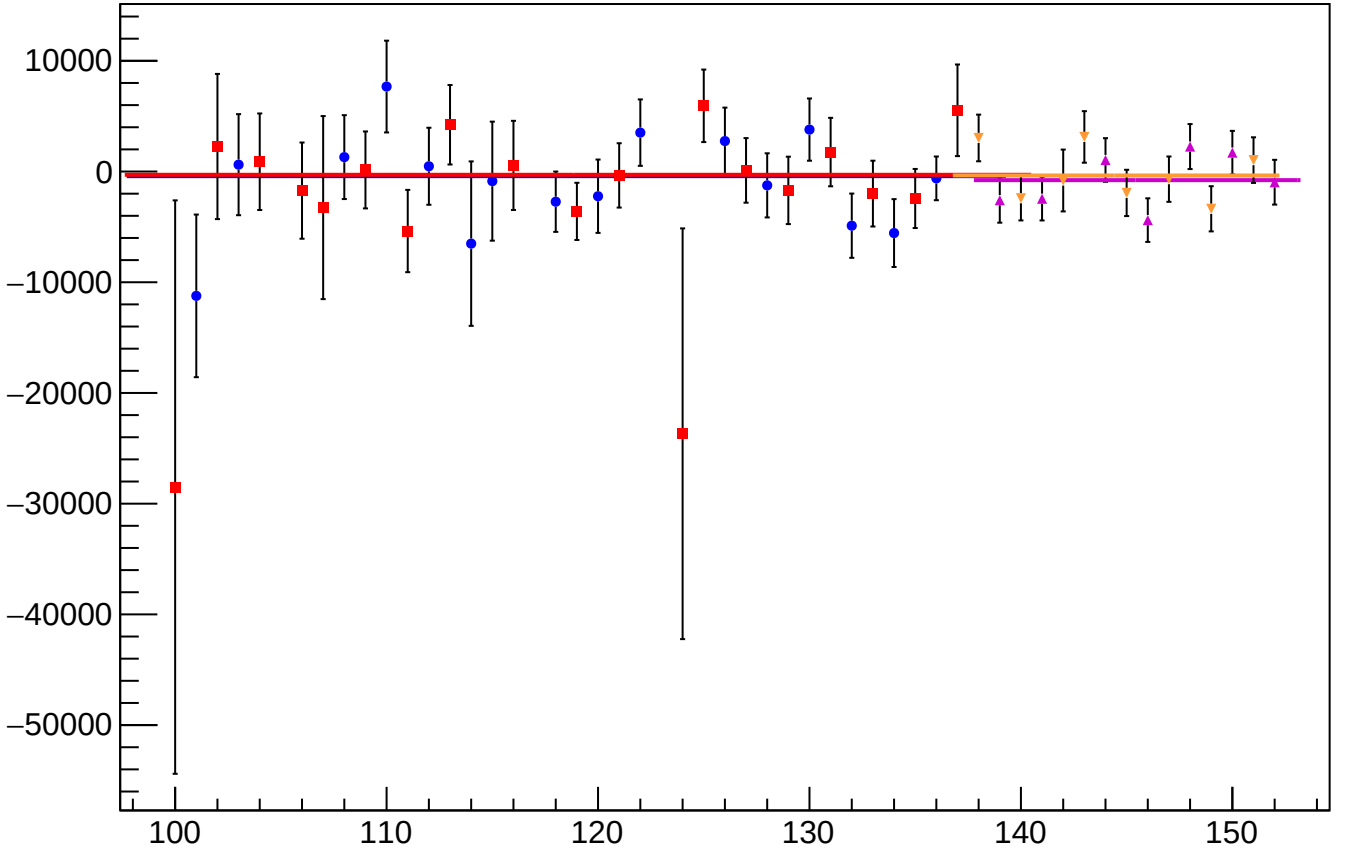
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 515.429+/-0.106 χ^2/NDF:2943830.6/22

Out: 526.191+/-0.112 χ^2/NDF:5237778.3/26

All: 520.497+/-0.077 χ^2/NDF: 8186451.0/49

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: -778.657+/-753.144 χ^2/NDF:9.6/6

Left: -569.056+/-535.077 χ^2/NDF: 18.9/14

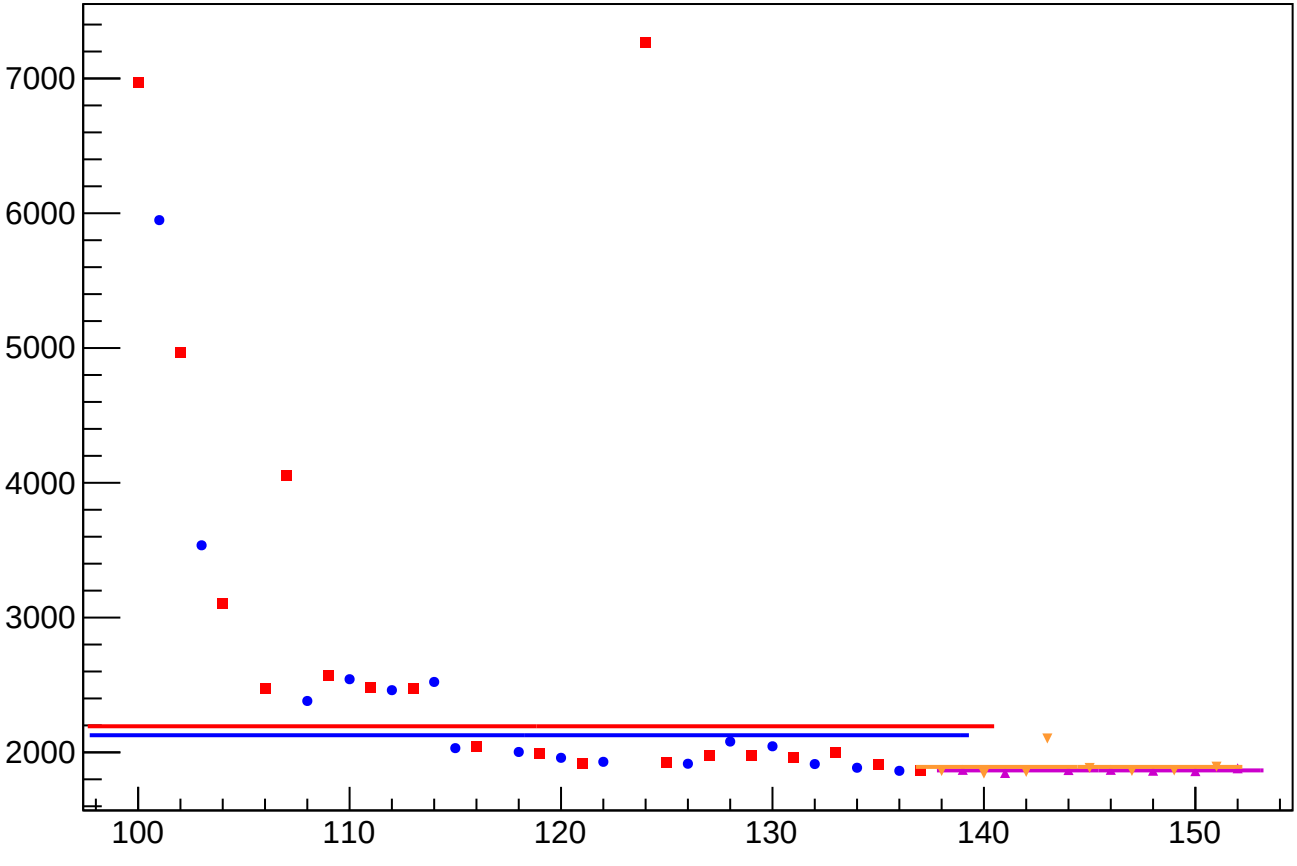
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -612.458+/-553.245 χ^2/NDF:28.0/22

Out: -327.702+/-561.147 χ^2/NDF:24.8/26

All: -472.099+/-393.967 χ^2/NDF: 52.9/49

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: 1866.128+/-0.533 χ^2/NDF:344.7/6

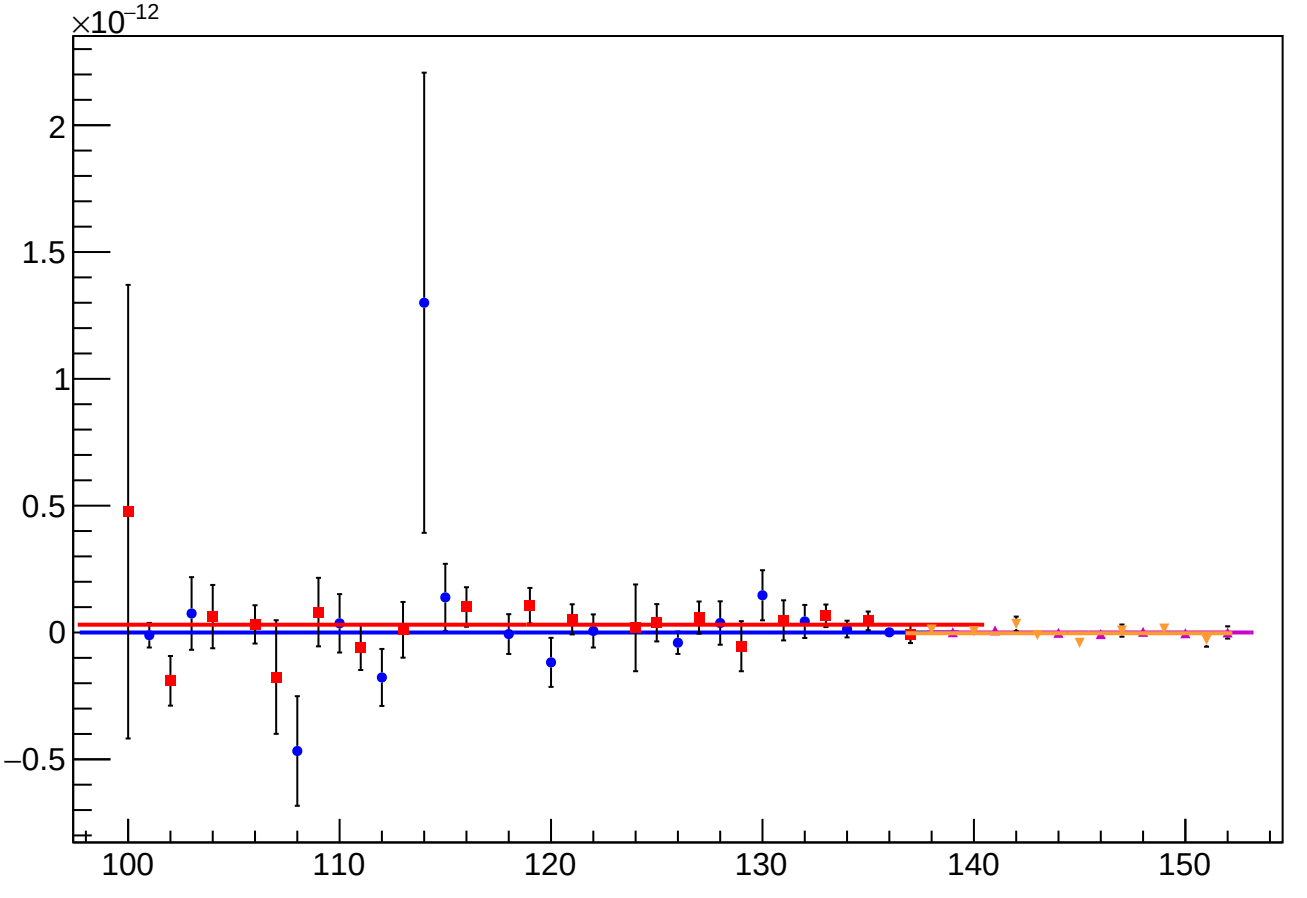
Left: 1878.976+/-0.378 χ^2/NDF: 20708.5/14

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1986.250+/-0.391 χ^2/NDF:985930.5/22

Out: 2029.344+/-0.397 χ^2/NDF:1104949.9/26

All: 2007.491+/-0.279 χ^2/NDF: 2096861.5/49



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:1.0/6

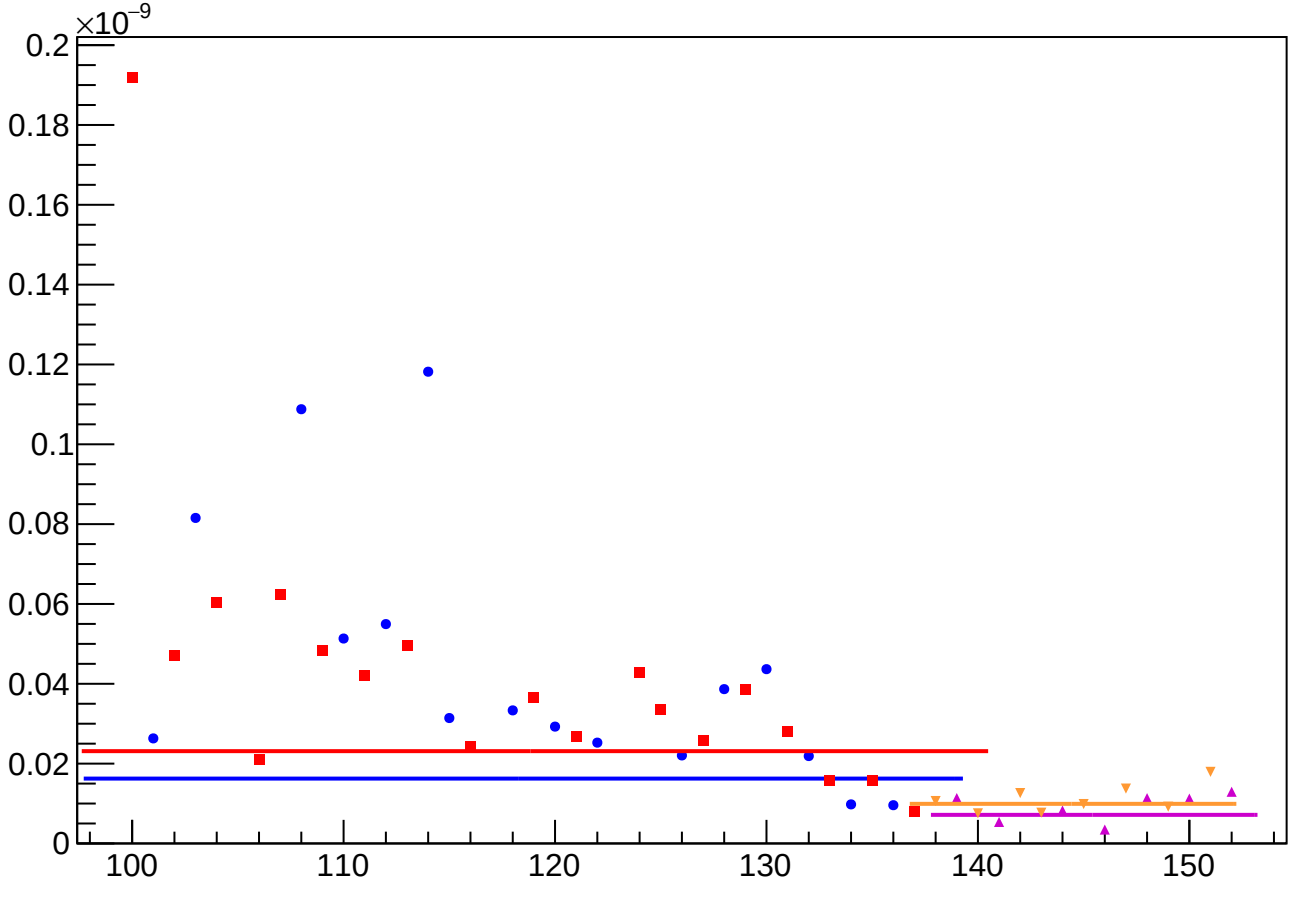
Left: -0.000+/-0.000 χ^2/NDF: 11.5/14

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.1/22

Out: 0.000+/-0.000 χ^2/NDF:26.7/26

All: 0.000+/-0.000 χ^2/NDF: 43.9/49



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:741861.4/6

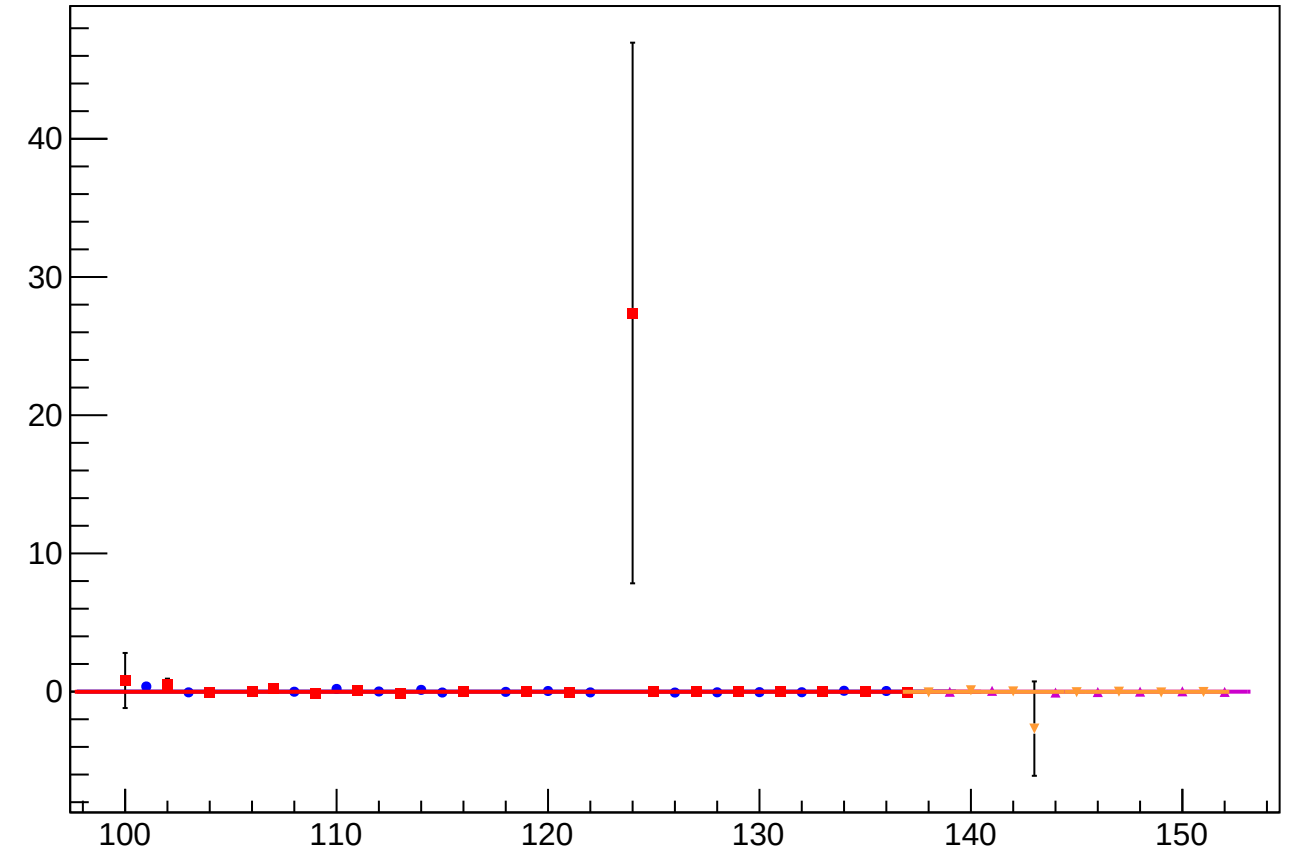
Left: 0.000+/-0.000 χ^2/NDF: 1300884.8/14

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:3998476.0/22

Out: 0.000+/-0.000 χ^2/NDF:2964140.3/26

All: 0.000+/-0.000 χ^2/NDF: 7279600.9/49



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: -0.004+/-0.015 χ^2/NDF:6.6/6

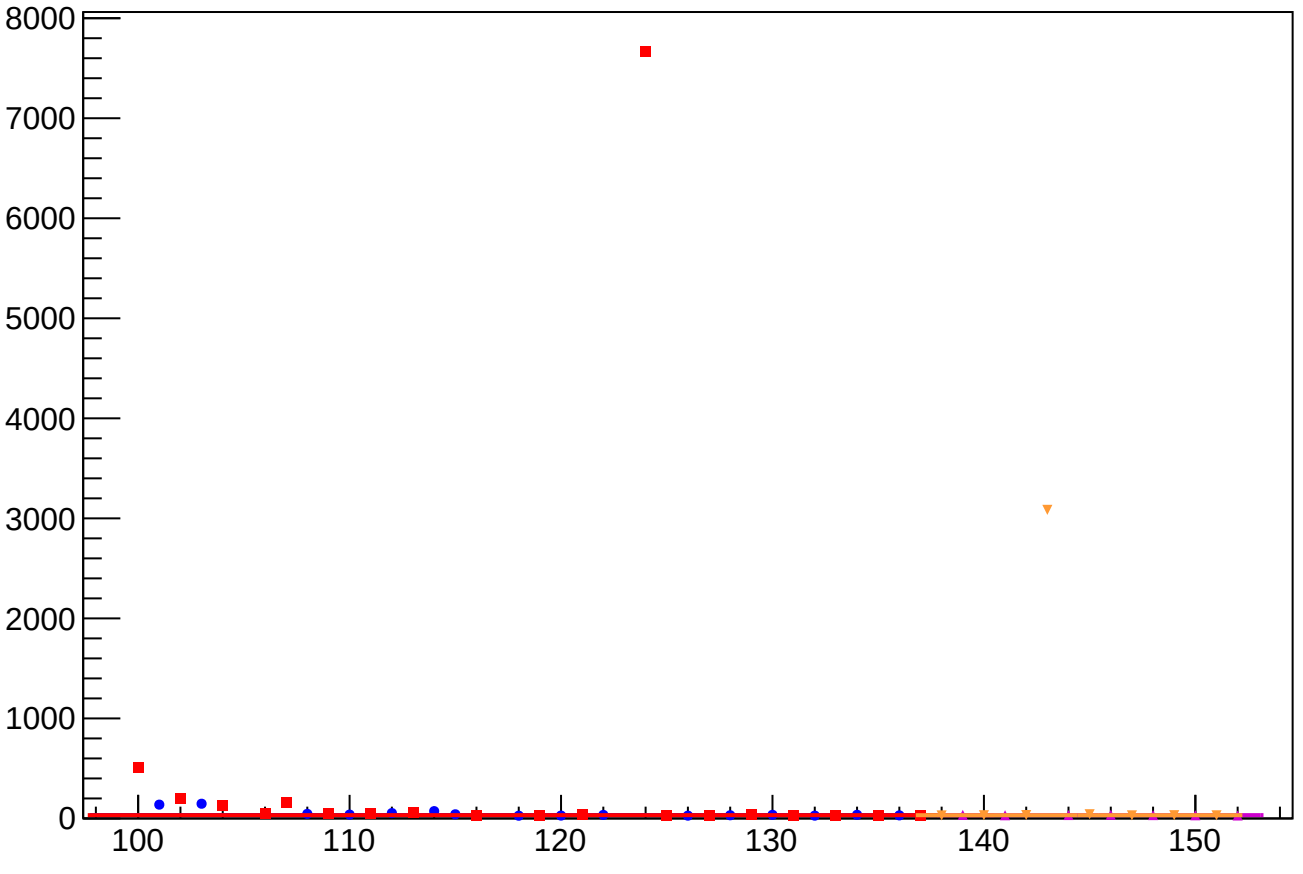
Left: -0.009+/-0.011 χ^2/NDF: 18.9/14

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.010 χ^2/NDF:27.7/22

Out: -0.013+/-0.011 χ^2/NDF:26.3/26

All: -0.007+/-0.007 χ^2/NDF: 54.6/49



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: 33.337+/-0.010 χ^2/NDF:50773.2/6

Left: 33.029+/-0.007 χ^2/NDF: 1741382.2/14

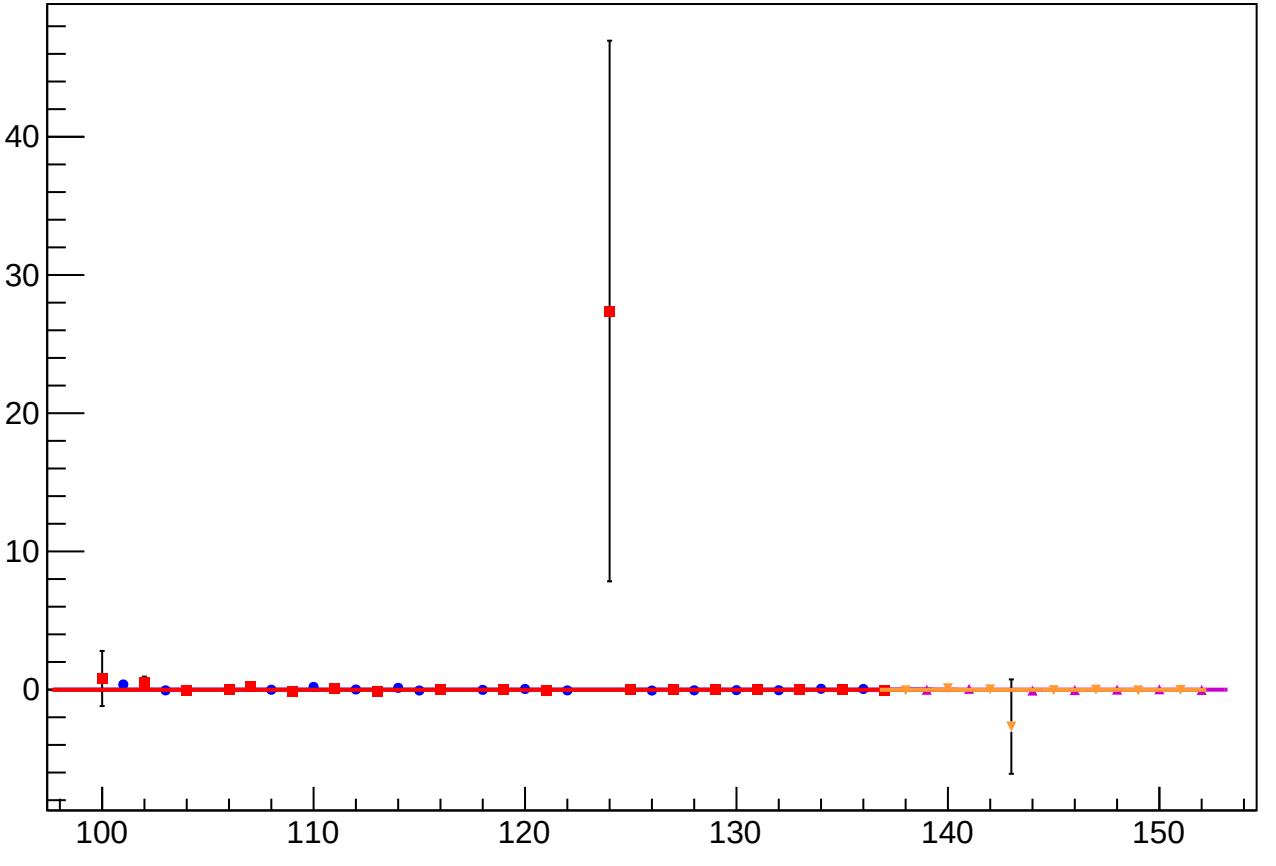
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.691+/-0.007 χ^2/NDF:1770442.5/22

Out: 32.893+/-0.008 χ^2/NDF:3764538.1/26

All: 33.303+/-0.005 χ^2/NDF: 5540759.4/49

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: -0.004+/-0.015 χ^2/NDF:6.6/6

Left: -0.009+/-0.011 χ^2/NDF: 18.9/14

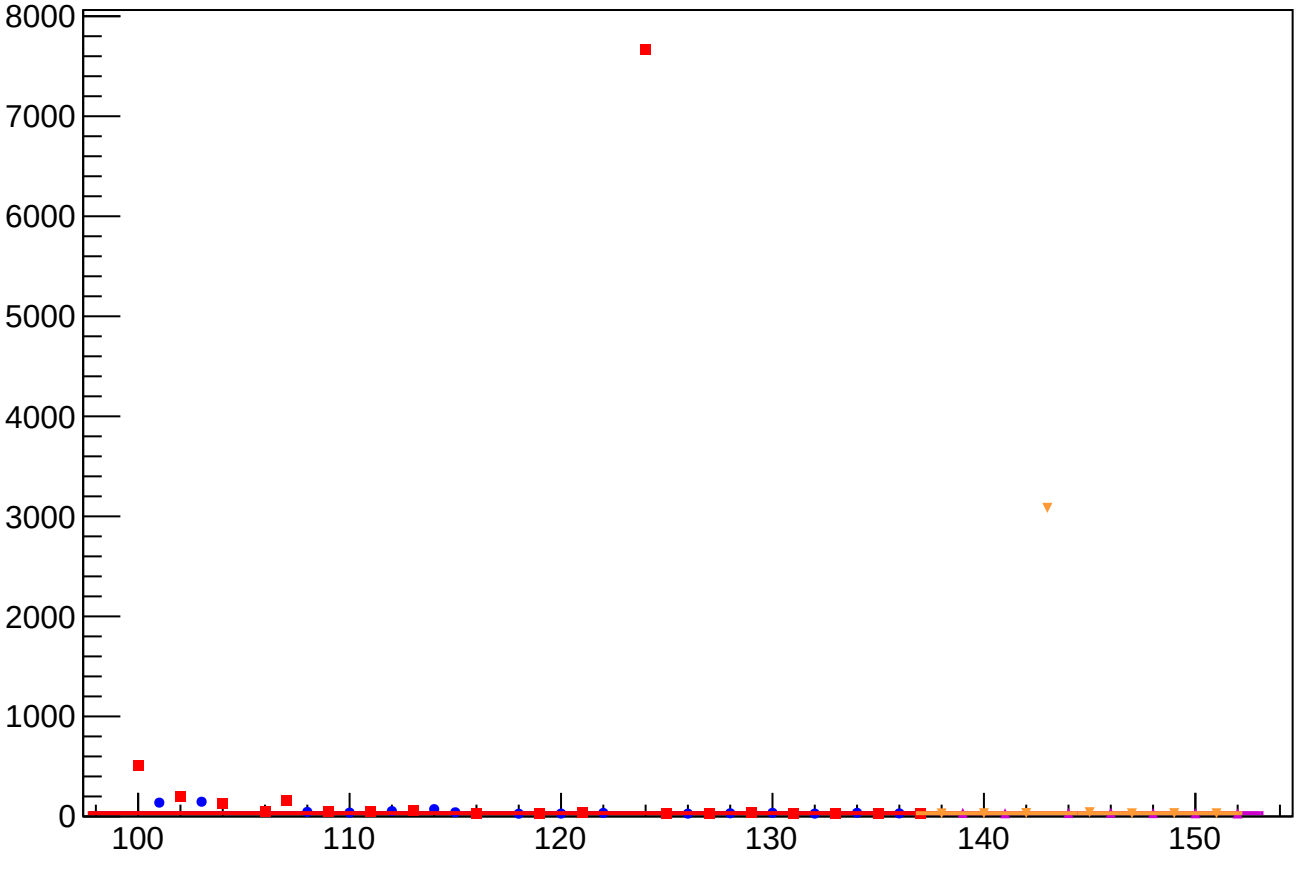
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.010 χ^2/NDF:27.7/22

Out: -0.013+/-0.011 χ^2/NDF:26.3/26

All: -0.007+/-0.007 χ^2/NDF: 54.6/49

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.692+/-0.011 χ^2/NDF:1688736.9/7

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 33.337+/-0.010 χ^2/NDF:50773.2/6

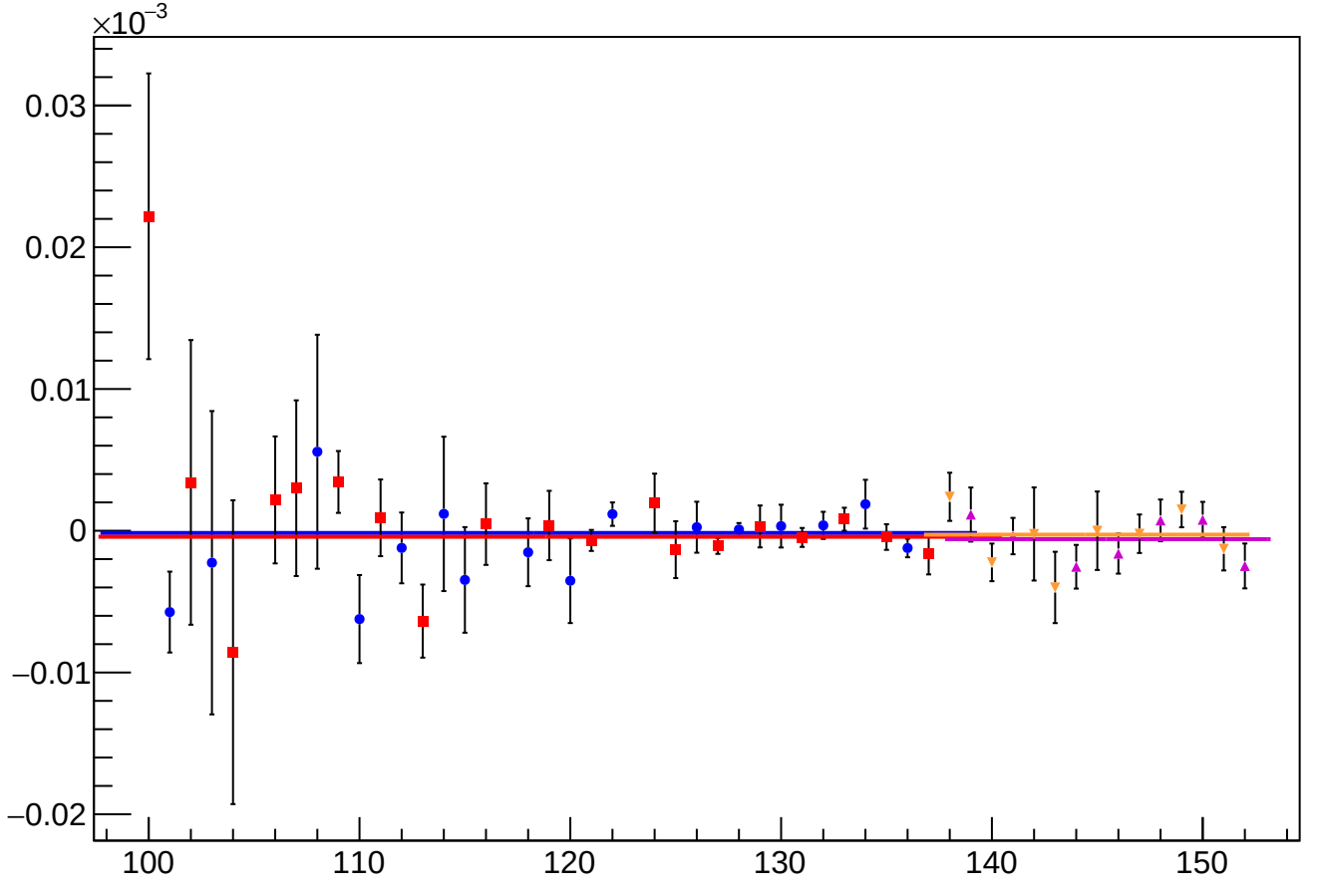
Left: 33.029+/-0.007 χ^2/NDF: 1741382.2/14

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.691+/-0.007 χ^2/NDF:1770442.5/22

Out: 32.893+/-0.008 χ^2/NDF:3764538.1/26

All: 33.303+/-0.005 χ^2/NDF: 5540759.4/49



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:6.4/6

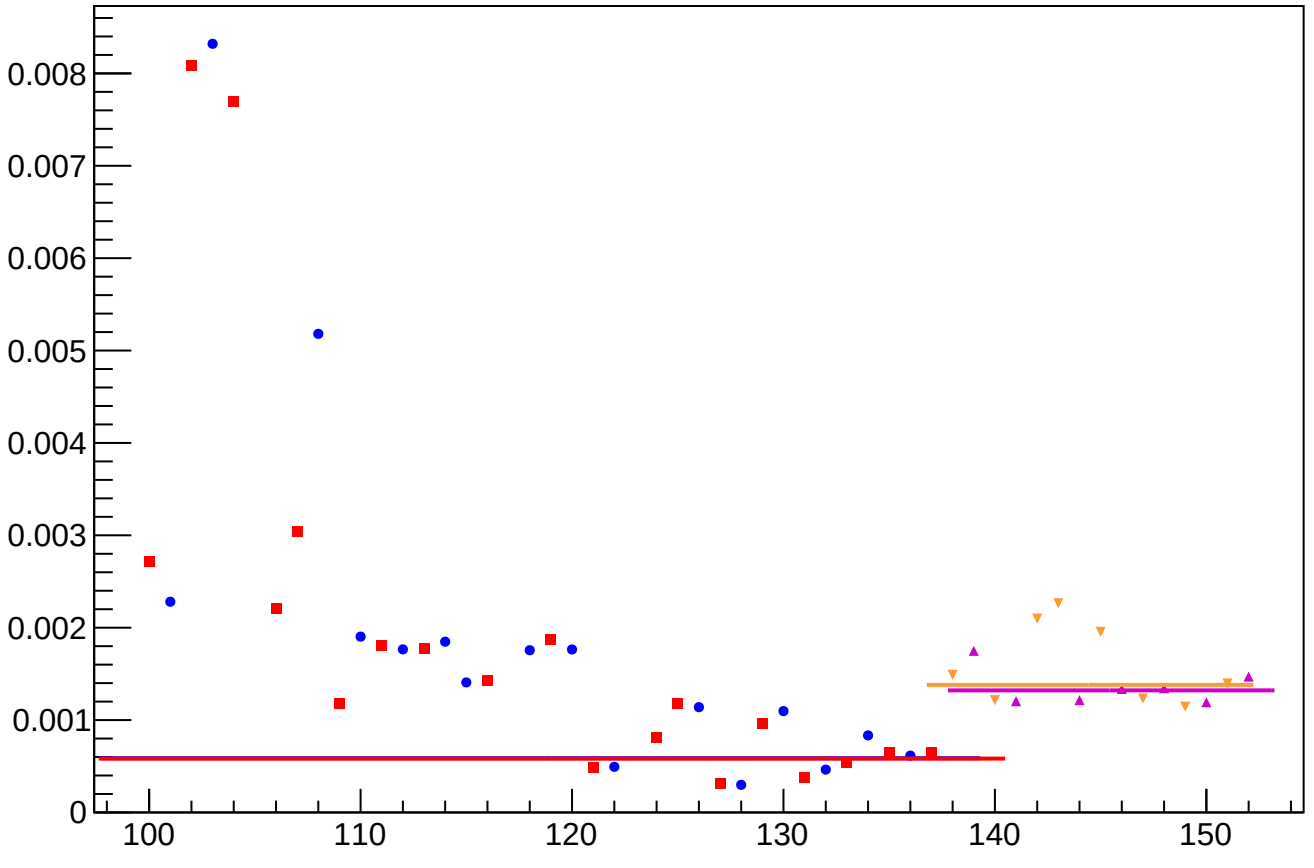
Left: -0.000+/-0.000 χ^2/NDF: 15.8/14

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:25.0/22

Out: -0.000+/-0.000 χ^2/NDF:30.9/26

All: -0.000+/-0.000 χ^2/NDF: 56.1/49



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:165906.5/6

Left: 0.001+/-0.000 χ^2/NDF: 738447.2/14

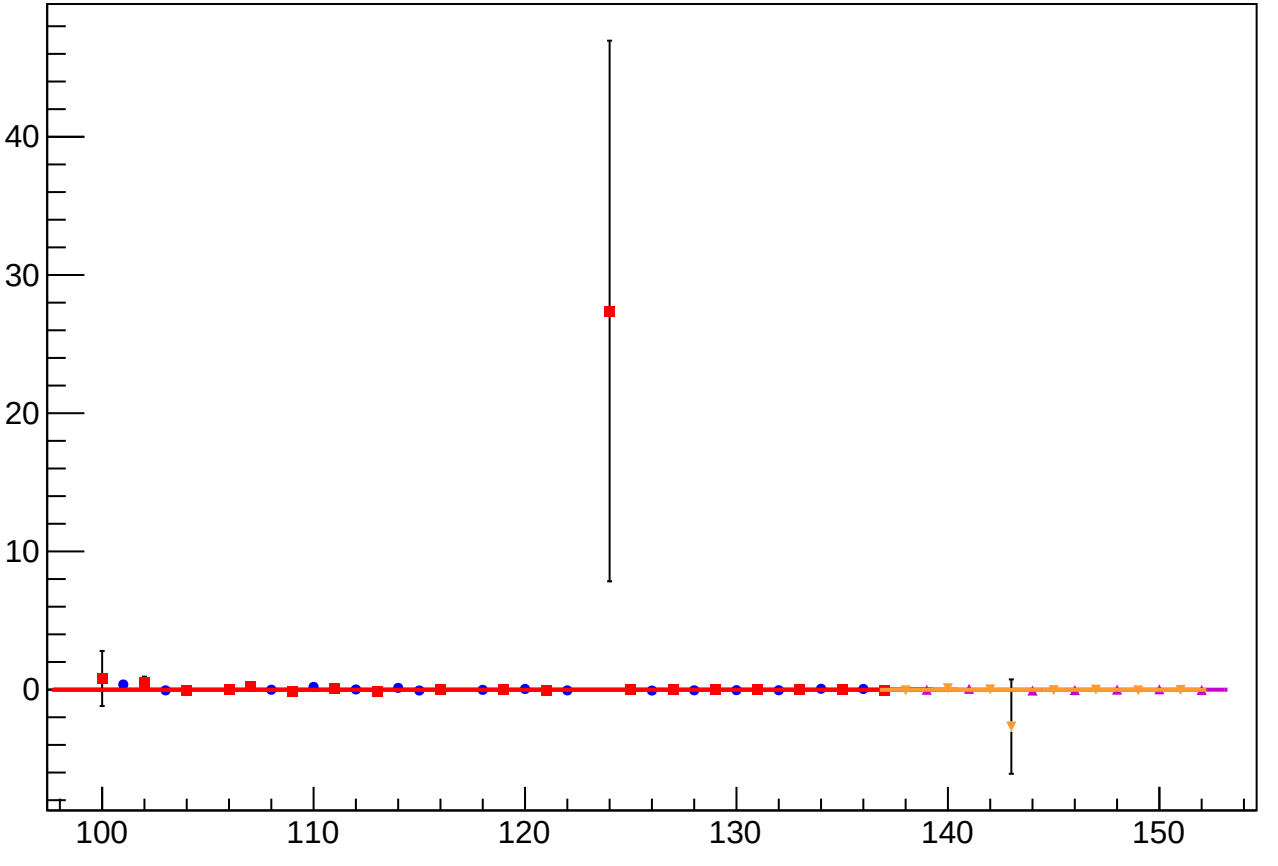
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:8421960.3/22

Out: 0.001+/-0.000 χ^2/NDF:8986246.1/26

All: 0.001+/-0.000 χ^2/NDF: 17411094.4/49

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: -0.004+/-0.015 χ^2/NDF:6.6/6

Left: -0.009+/-0.011 χ^2/NDF: 18.9/14

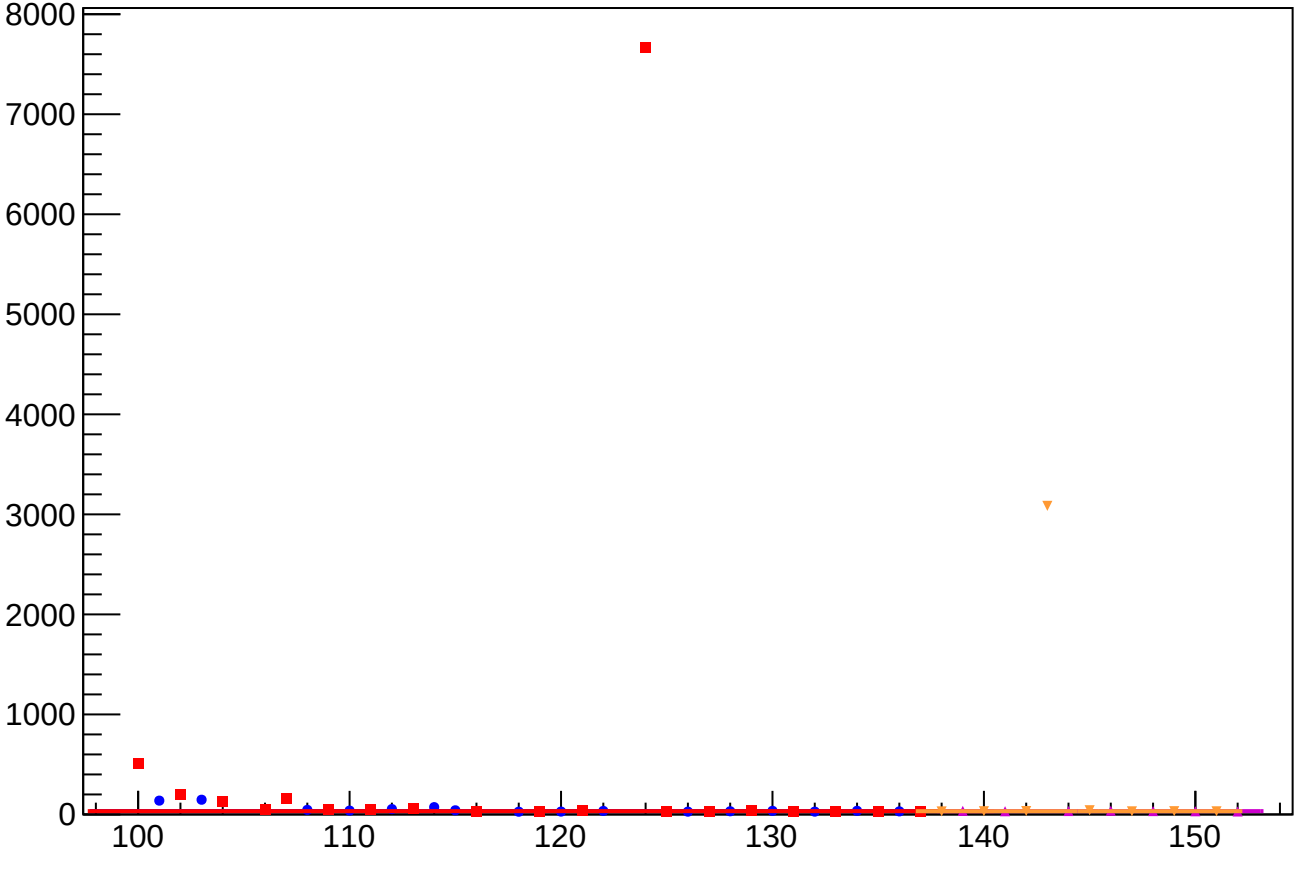
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.010 χ^2/NDF:27.7/22

Out: -0.013+/-0.011 χ^2/NDF:26.3/26

All: -0.007+/-0.007 χ^2/NDF: 54.6/49

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: 33.337+/-0.010 χ^2/NDF:50775.6/6

Left: 33.029+/-0.007 χ^2/NDF: 1741385.8/14

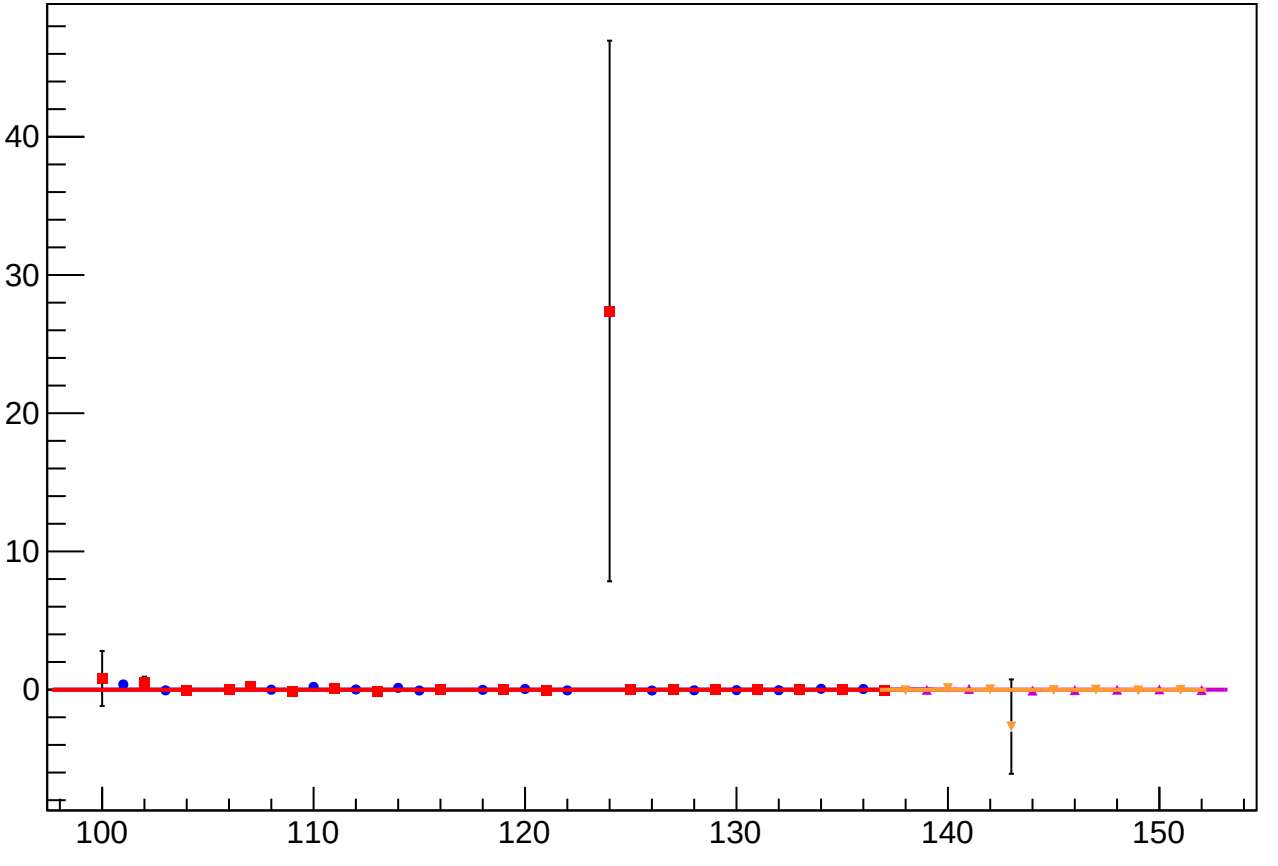
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.691+/-0.007 χ^2/NDF:1770433.3/22

Out: 32.893+/-0.008 χ^2/NDF:3764519.9/26

All: 33.303+/-0.005 χ^2/NDF: 5540733.9/49

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: -0.004+/-0.015 χ^2/NDF:6.6/6

Left: -0.009+/-0.011 χ^2/NDF: 18.9/14

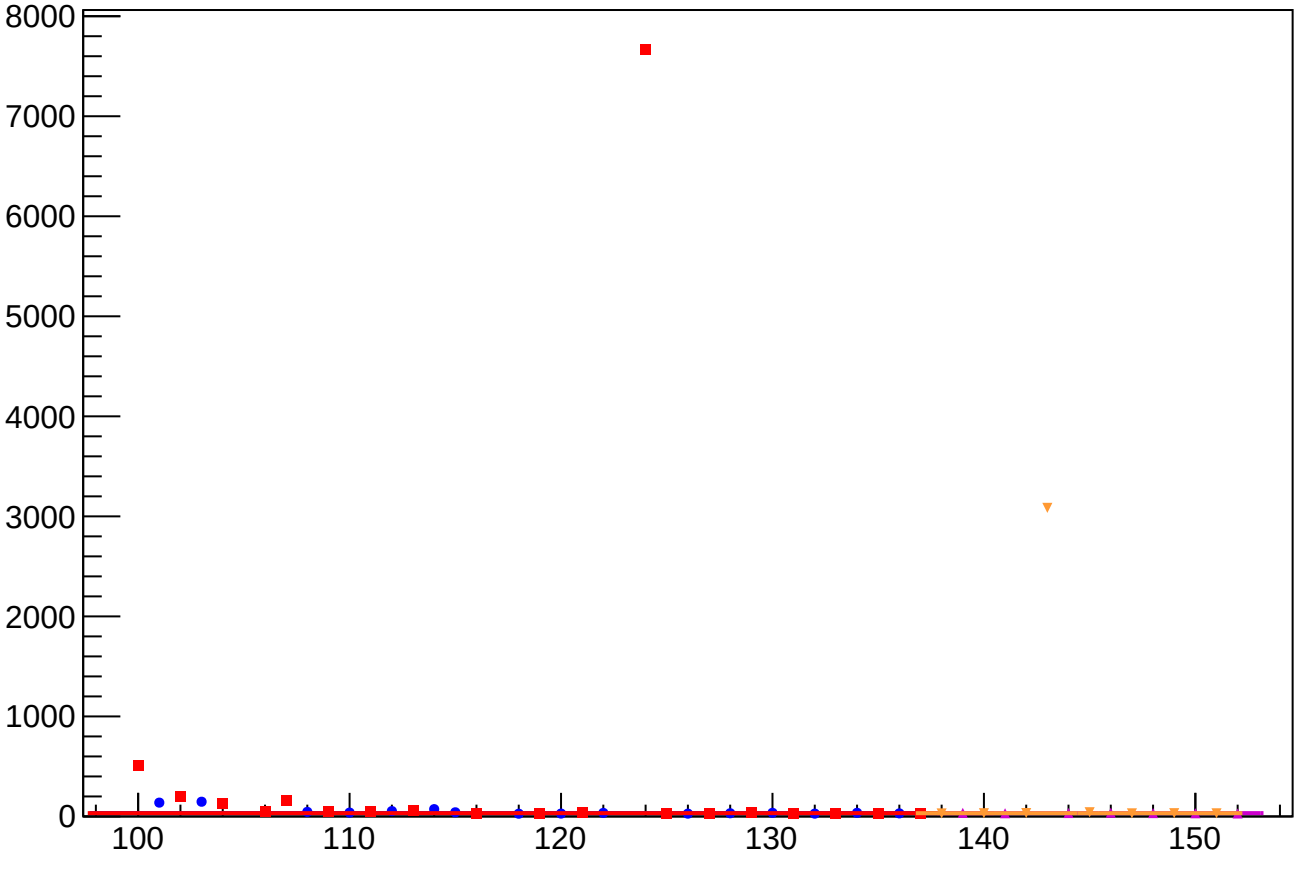
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.010 χ^2/NDF:27.7/22

Out: -0.013+/-0.011 χ^2/NDF:26.3/26

All: -0.007+/-0.007 χ^2/NDF: 54.6/49

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: 33.337+/-0.010 χ^2/NDF:50775.6/6

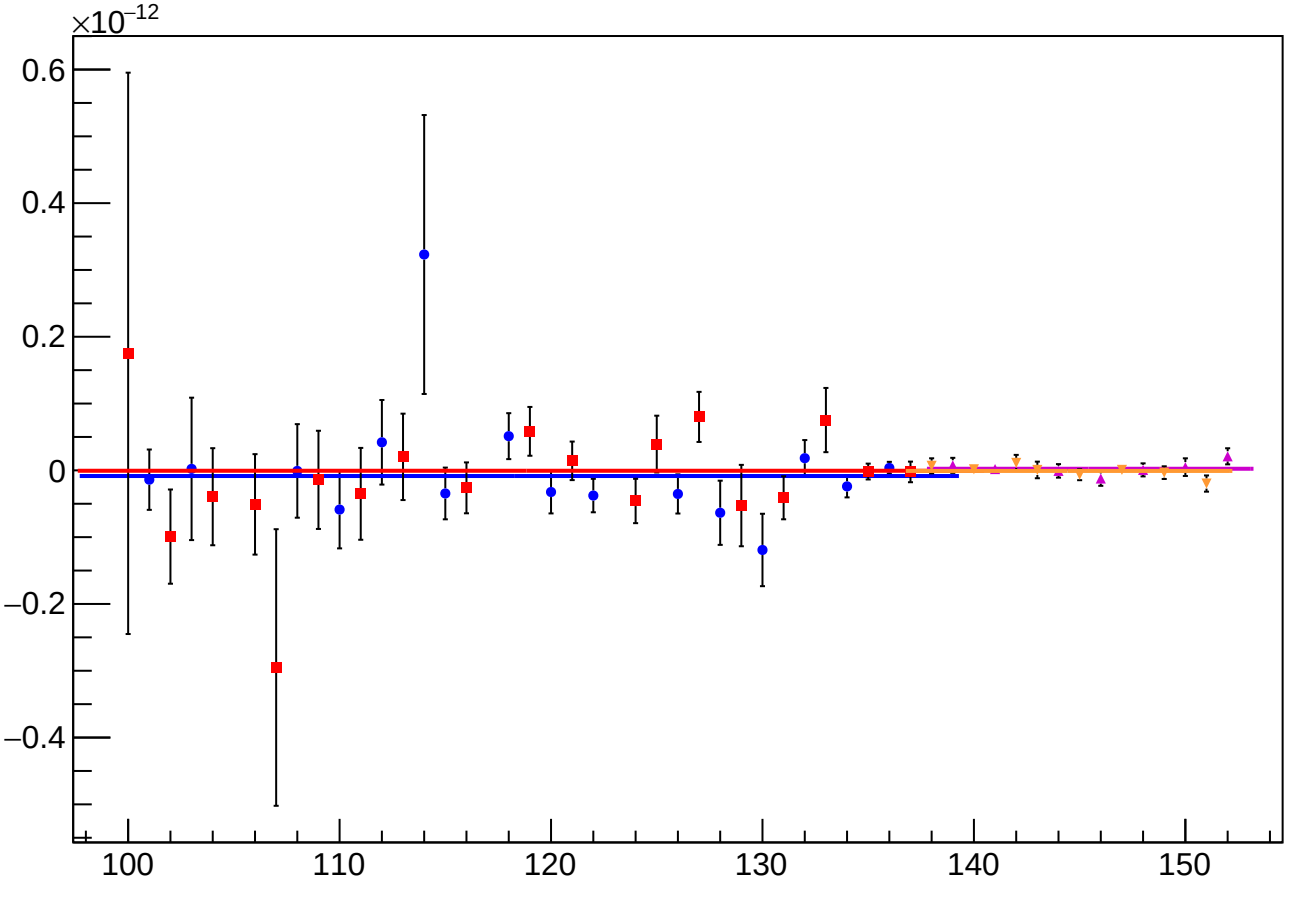
Left: 33.029+/-0.007 χ^2/NDF: 1741385.8/14

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.691+/-0.007 χ^2/NDF:1770433.3/22

Out: 32.893+/-0.008 χ^2/NDF:3764519.9/26

All: 33.303+/-0.005 χ^2/NDF: 5540733.9/49



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/6

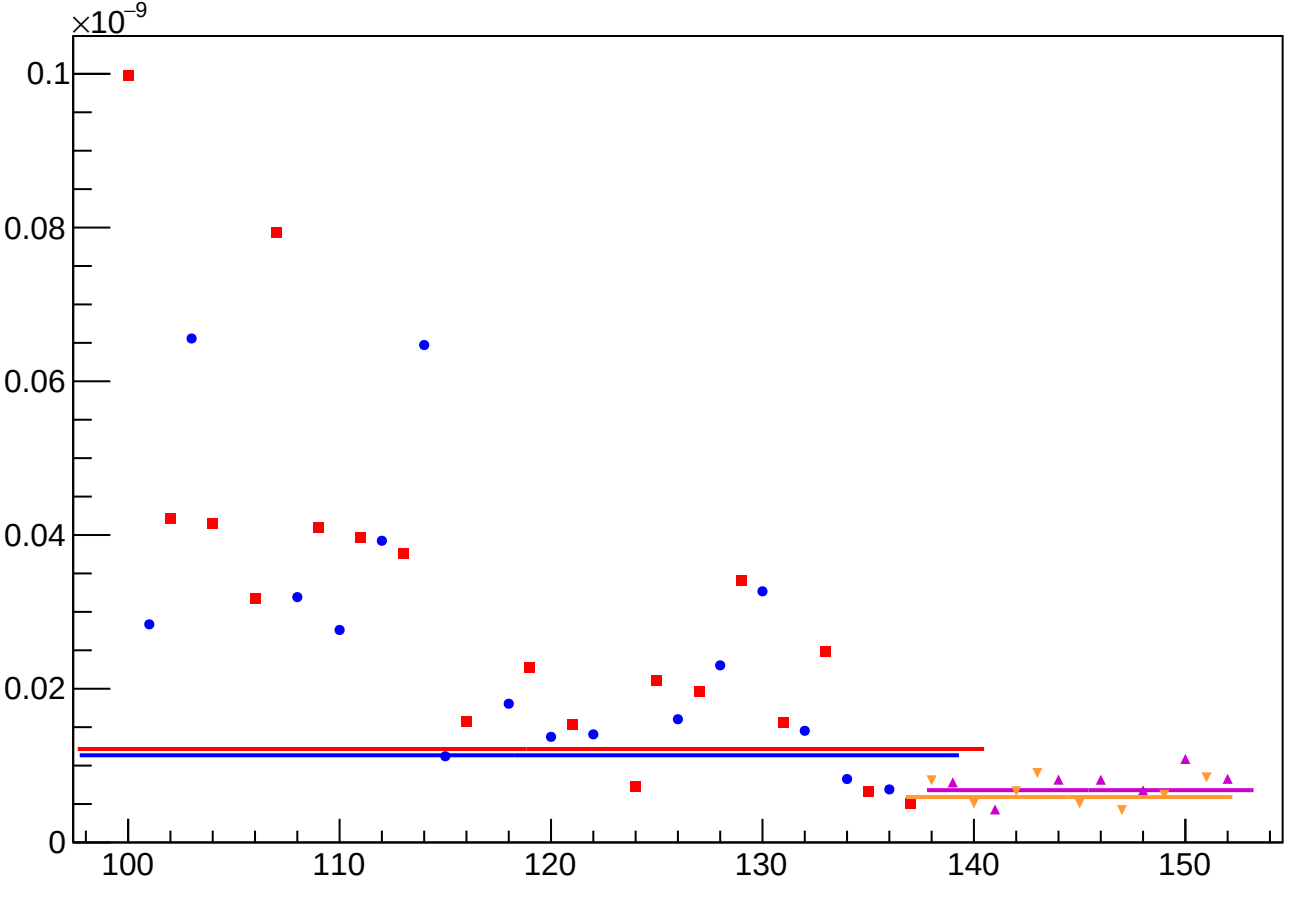
Left: 0.000+/-0.000 χ^2/NDF: 9.7/14

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: -0.000+/-0.000 χ^2/NDF:26.0/22

Out: -0.000+/-0.000 χ^2/NDF:25.4/26

All: -0.000+/-0.000 χ^2/NDF: 51.5/49



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:634710.1/6

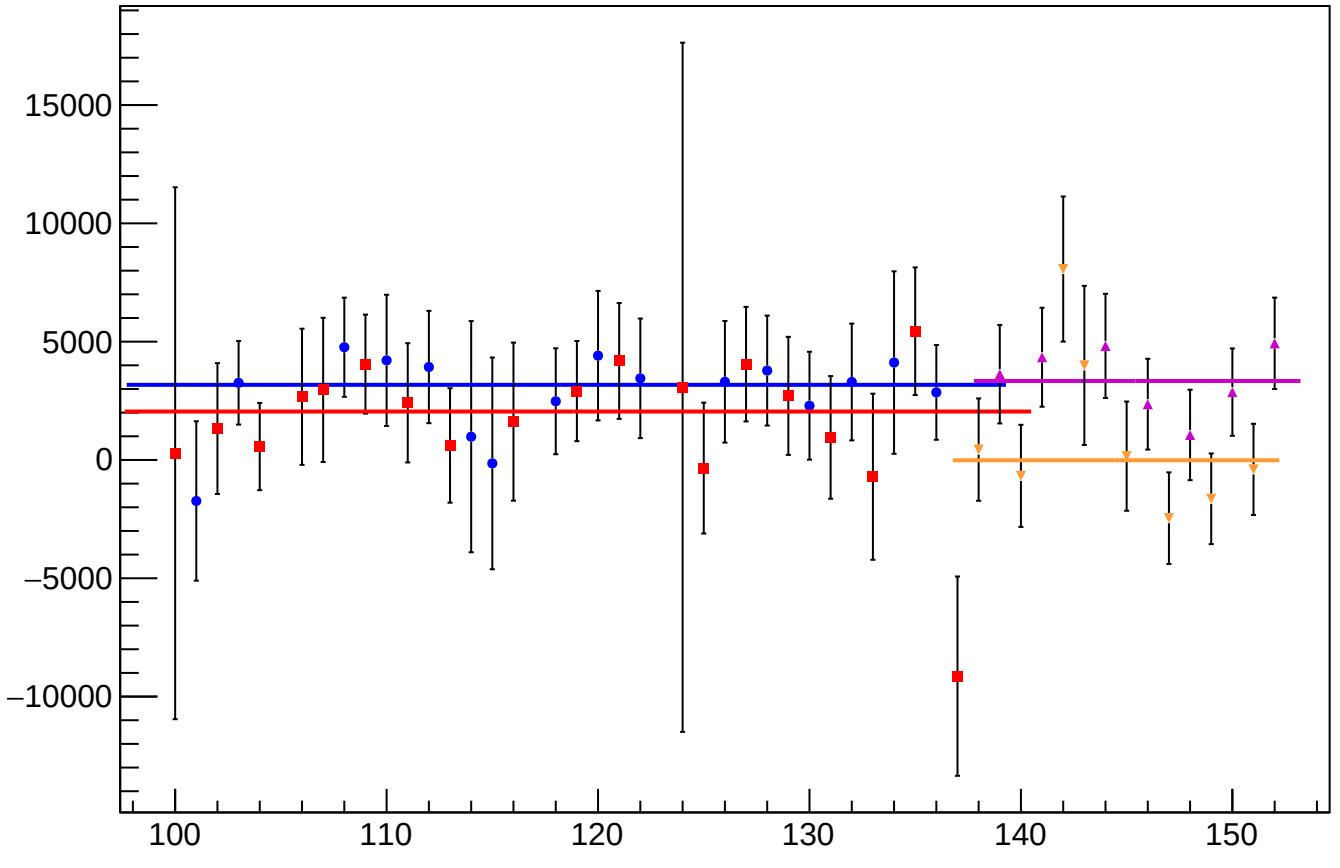
Left: 0.000+/-0.000 χ^2/NDF: 1161257.2/14

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4209268.2/22

Out: 0.000+/-0.000 χ^2/NDF:5460385.2/26

All: 0.000+/-0.000 χ^2/NDF: 9772175.2/49



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: 3338.418+/-750.942 χ^2/NDF:3.1/6

Left: 1738.526+/-542.850 χ^2/NDF: 23.5/14

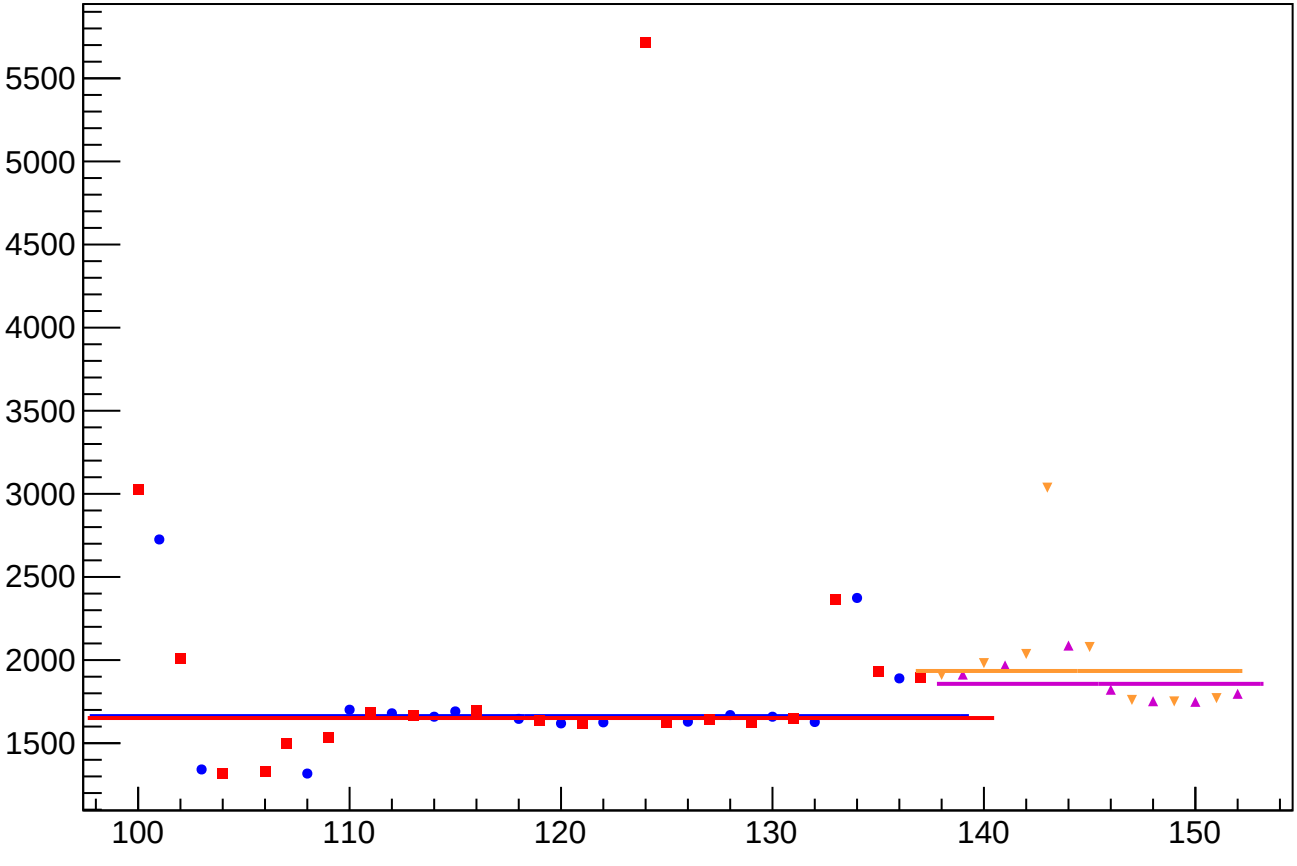
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3242.605+/-481.740 χ^2/NDF:7.5/22

Out: 1254.459+/-487.425 χ^2/NDF:29.1/26

All: 2260.195+/-342.634 χ^2/NDF: 45.0/49

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: 1856.962+/-0.531 χ^2/NDF:44368.1/6

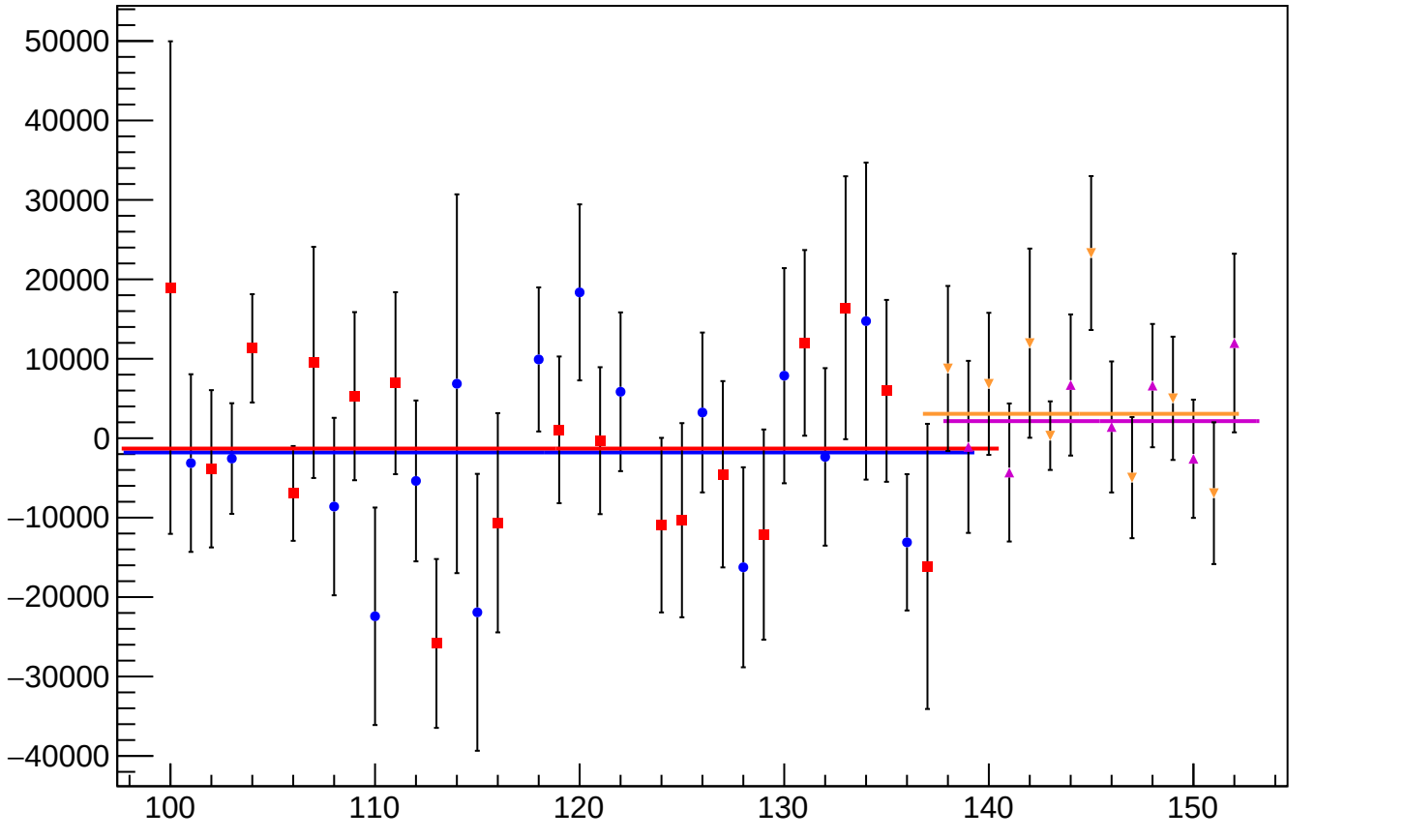
Left: 1893.949+/-0.384 χ^2/NDF: 329892.1/14

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1742.765+/-0.341 χ^2/NDF:538596.5/22

Out: 1760.295+/-0.345 χ^2/NDF:867071.9/26

All: 1751.427+/-0.242 χ^2/NDF: 1406977.0/49



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 3067.801+/-2677.813 χ^2/NDF:8.2/7

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 2149.099+/-3302.206 χ^2/NDF:2.4/6

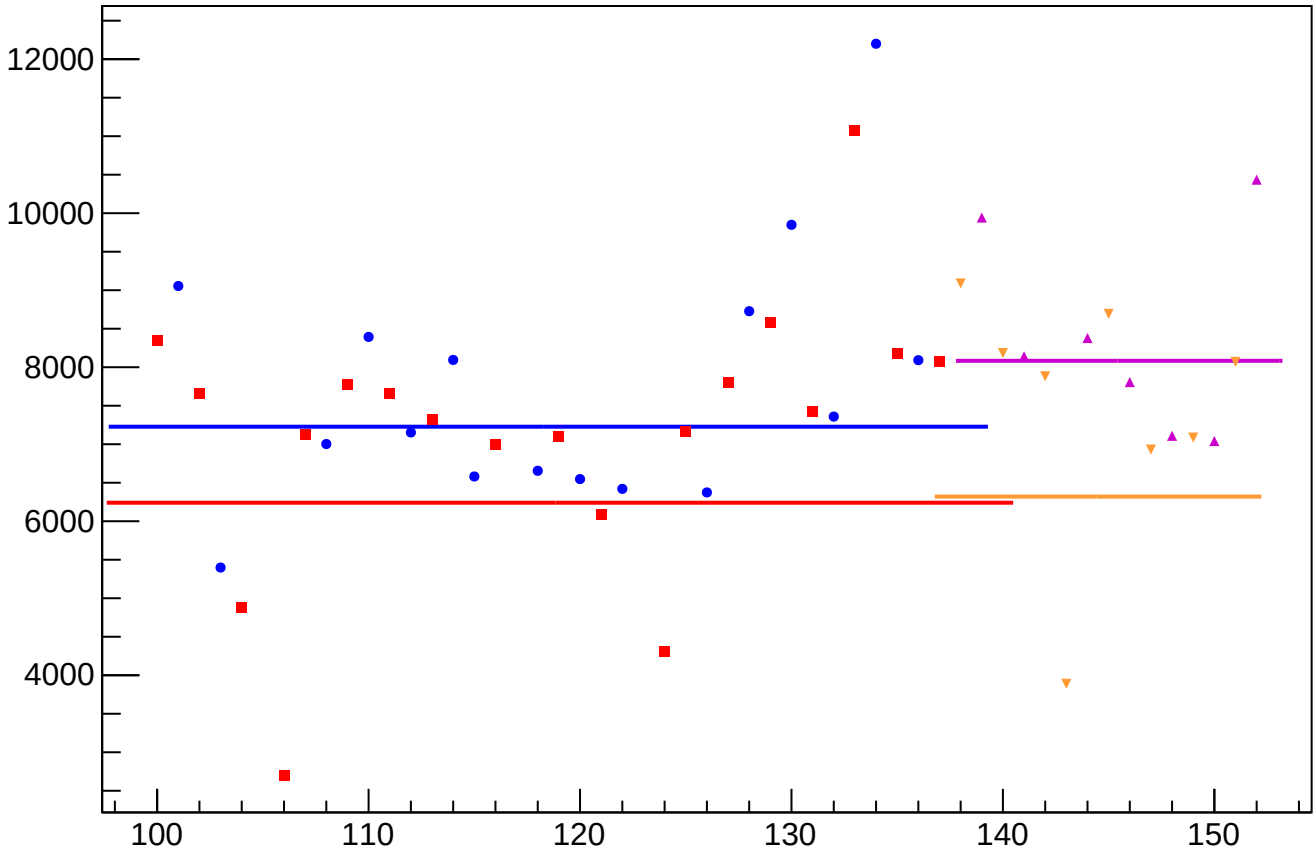
Left: 2703.340+/-2079.899 χ^2/NDF: 10.7/14

Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -181.923+/-2110.287 χ^2/NDF:17.6/22

Out: 669.083+/-1799.543 χ^2/NDF:27.4/26

All: 310.791+/-1369.284 χ^2/NDF: 45.1/49



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: 8082.957+/-2.335 χ^2/NDF:221828.1/6

Left: 7019.528+/-1.471 χ^2/NDF: 1692001.4/14

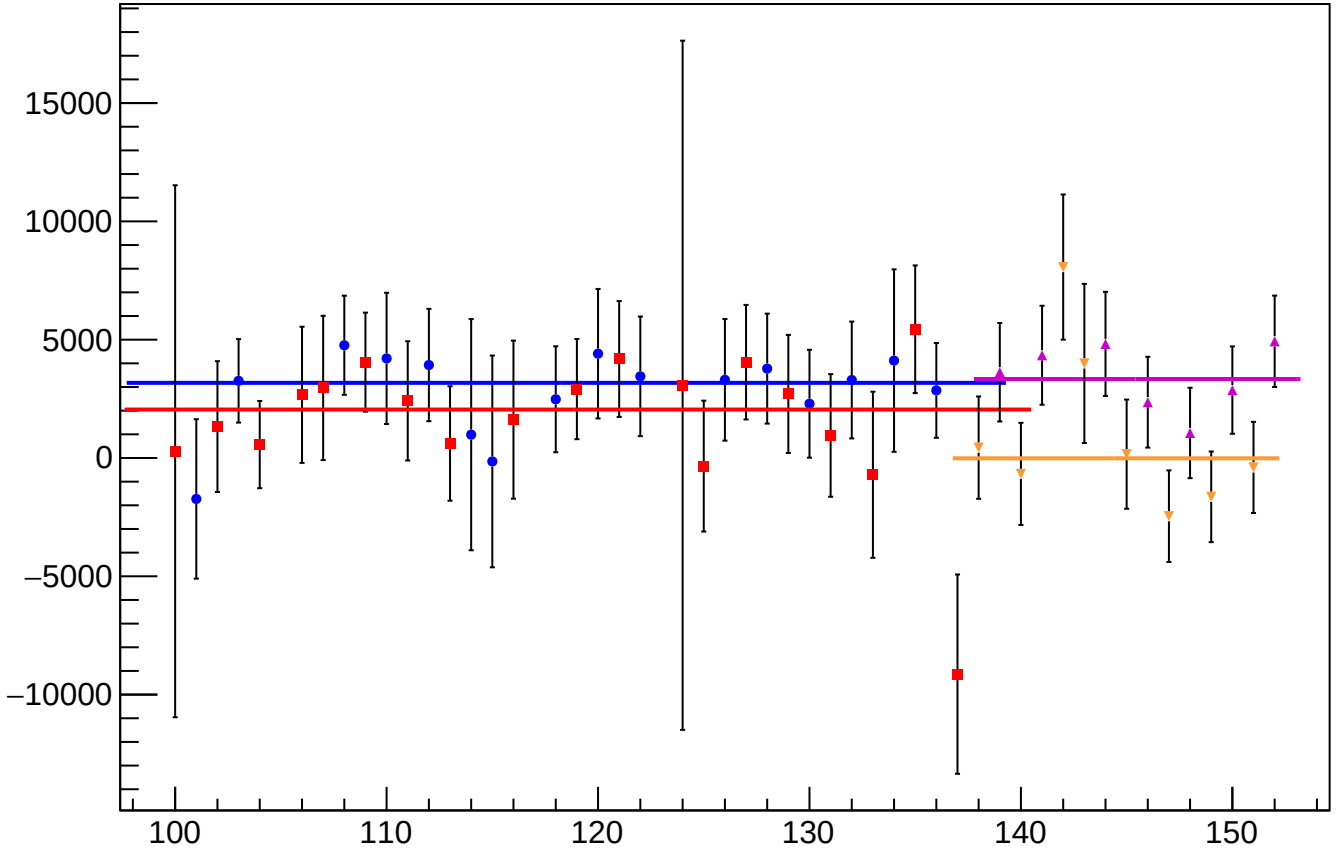
Right: 6674.473+/-1.286 χ^2/NDF: 2047393.1/34

In: 7576.913+/-1.492 χ^2/NDF:804478.4/22

Out: 6276.539+/-1.272 χ^2/NDF:2526414.6/26

All: 6824.024+/-0.968 χ^2/NDF: 3770582.6/49

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: 3338.570+/-750.942 χ^2/NDF:3.1/6

Left: 1738.575+/-542.850 χ^2/NDF: 23.5/14

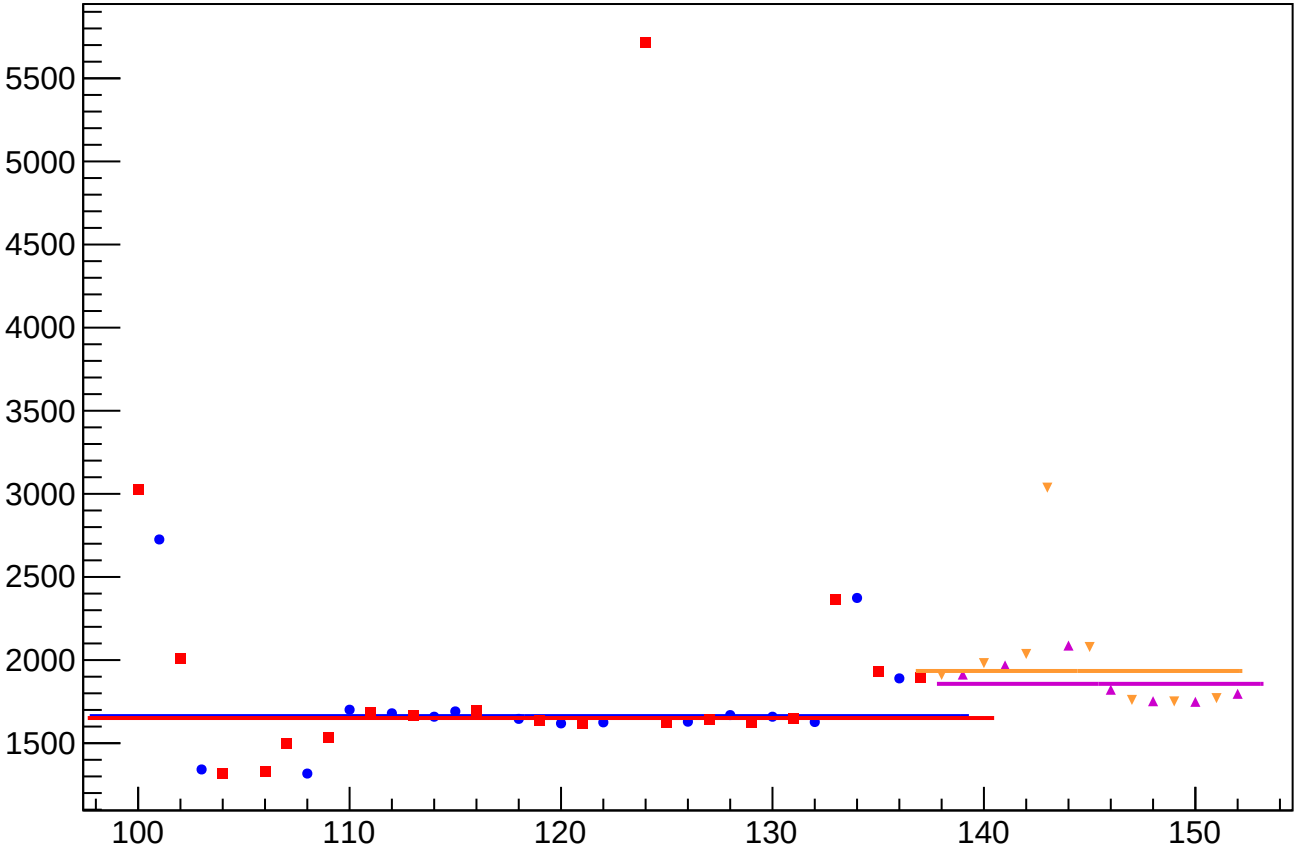
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3242.721+/-481.740 χ^2/NDF:7.5/22

Out: 1254.314+/-487.425 χ^2/NDF:29.1/26

All: 2260.182+/-342.634 χ^2/NDF: 45.0/49

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: 1856.962+/-0.531 χ^2/NDF:44368.1/6

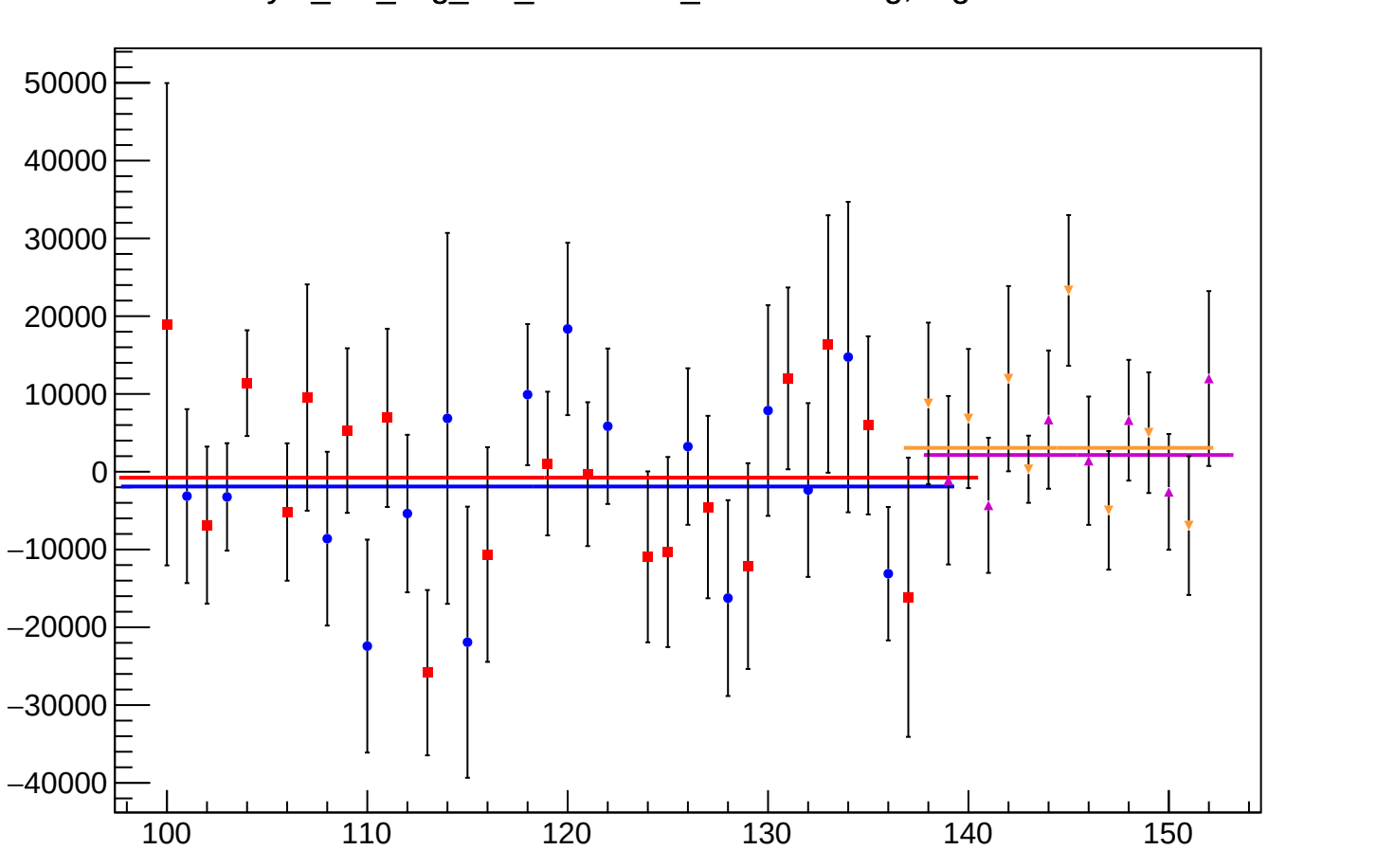
Left: 1893.949+/-0.384 χ^2/NDF: 329892.1/14

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1742.765+/-0.341 χ^2/NDF:538597.0/22

Out: 1760.295+/-0.345 χ^2/NDF:867072.2/26

All: 1751.427+/-0.242 χ^2/NDF: 1406977.8/49



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: 2149.205+/-3302.204 χ^2/NDF:2.4/6

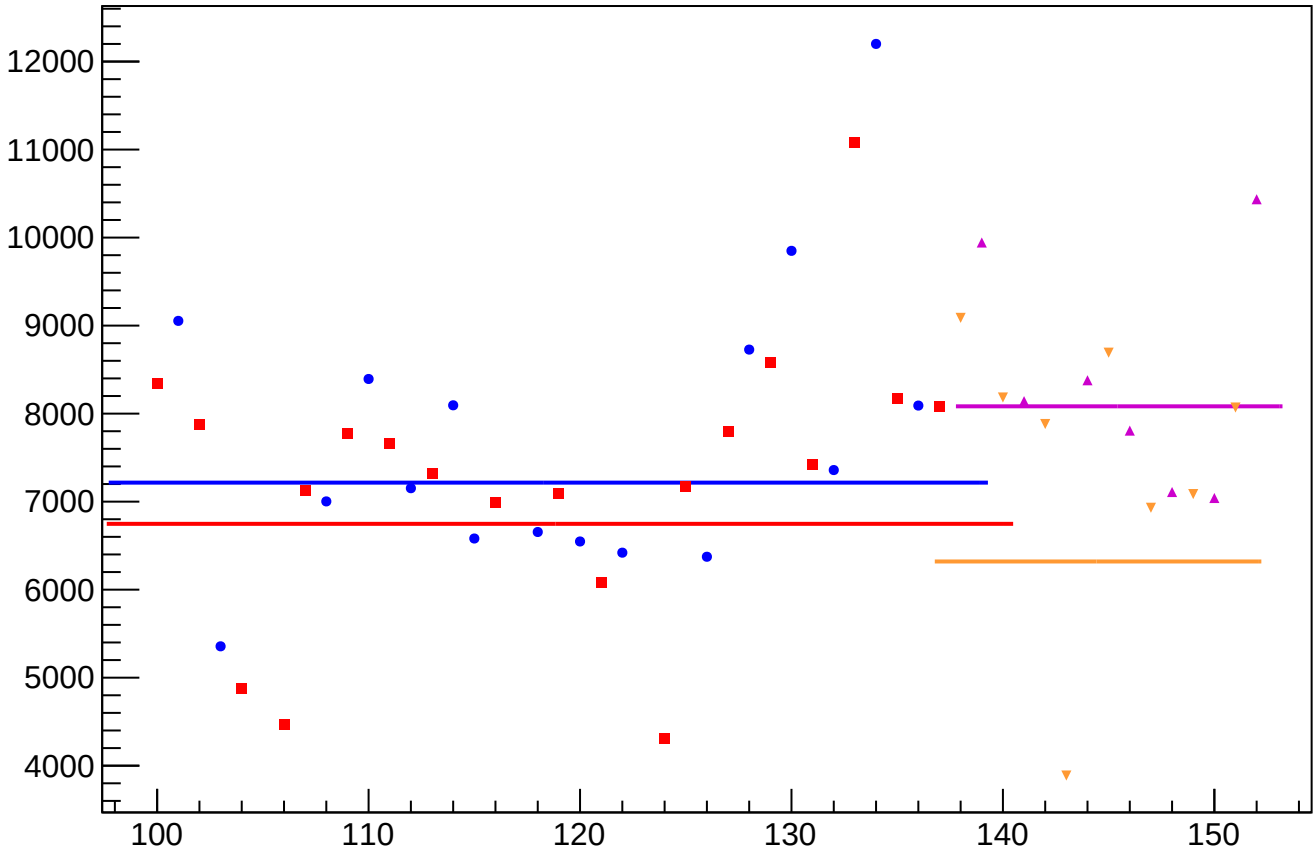
Left: 2703.322+/-2079.893 χ^2/NDF: 10.7/14

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -249.034+/-2108.618 χ^2/NDF:17.7/22

Out: 1058.971+/-1846.629 χ^2/NDF:26.6/26

All: 491.230+/-1389.211 χ^2/NDF: 44.5/49



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: 8082.952+/-2.335 χ^2/NDF:221829.8/6

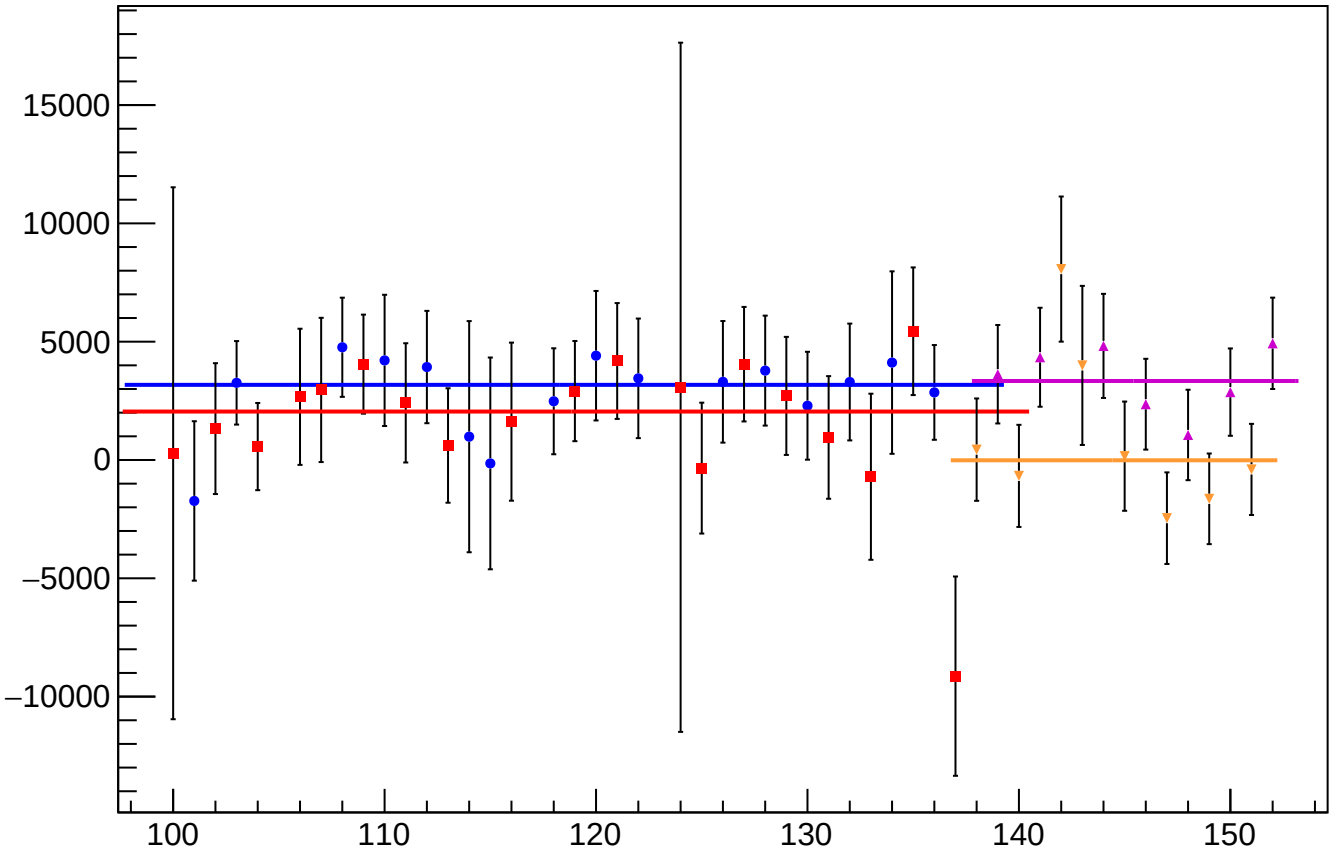
Left: 7019.499+/-1.471 χ^2/NDF: 1692049.2/14

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7569.512+/-1.491 χ^2/NDF:815594.0/22

Out: 6544.415+/-1.306 χ^2/NDF:1861929.3/26

All: 6989.360+/-0.982 χ^2/NDF: 2945034.1/49



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: 3338.570+/-750.942 χ^2/NDF:3.1/6

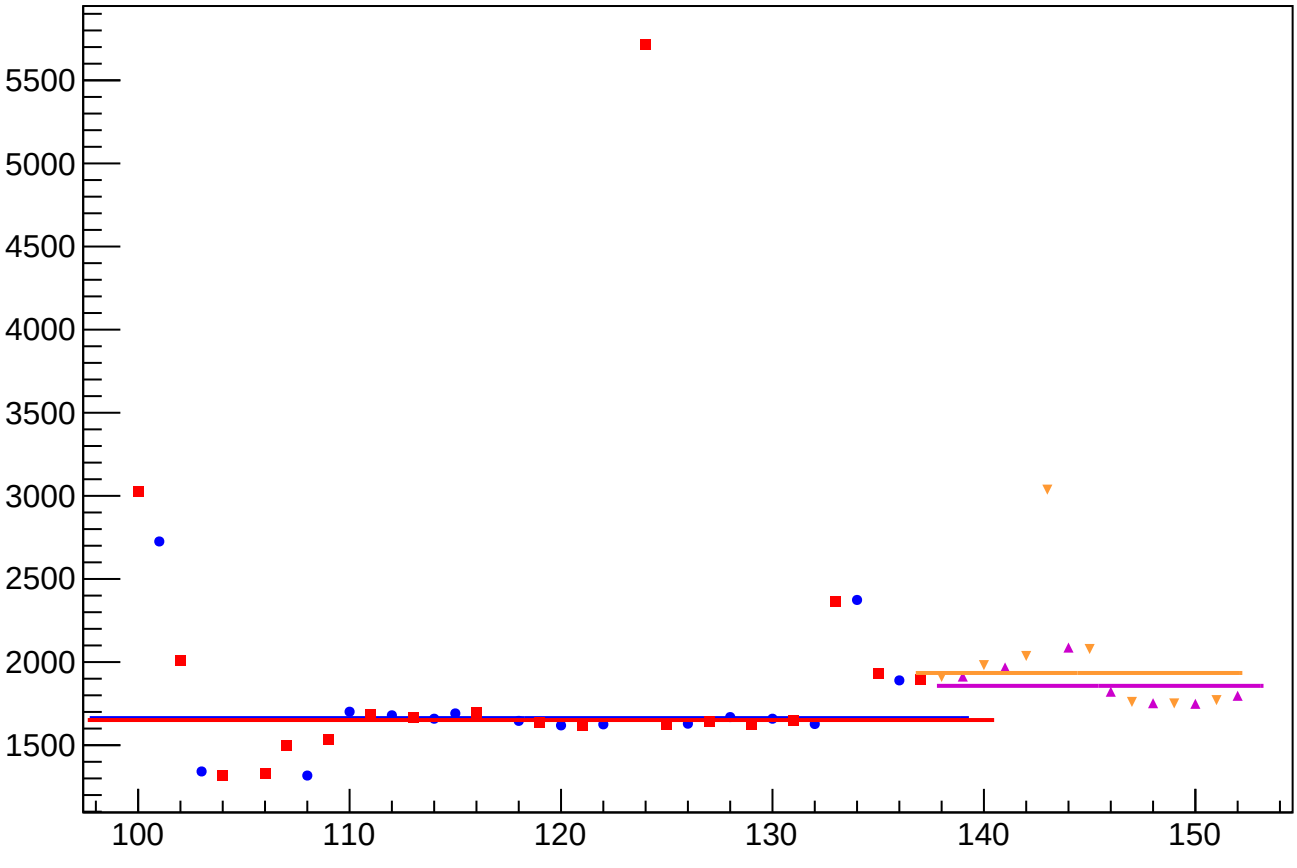
Left: 1738.575+/-542.850 χ^2/NDF: 23.5/14

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3242.721+/-481.740 χ^2/NDF:7.5/22

Out: 1254.314+/-487.425 χ^2/NDF:29.1/26

All: 2260.182+/-342.634 χ^2/NDF: 45.0/49



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: 1856.962+/-0.531 χ^2/NDF:44368.1/6

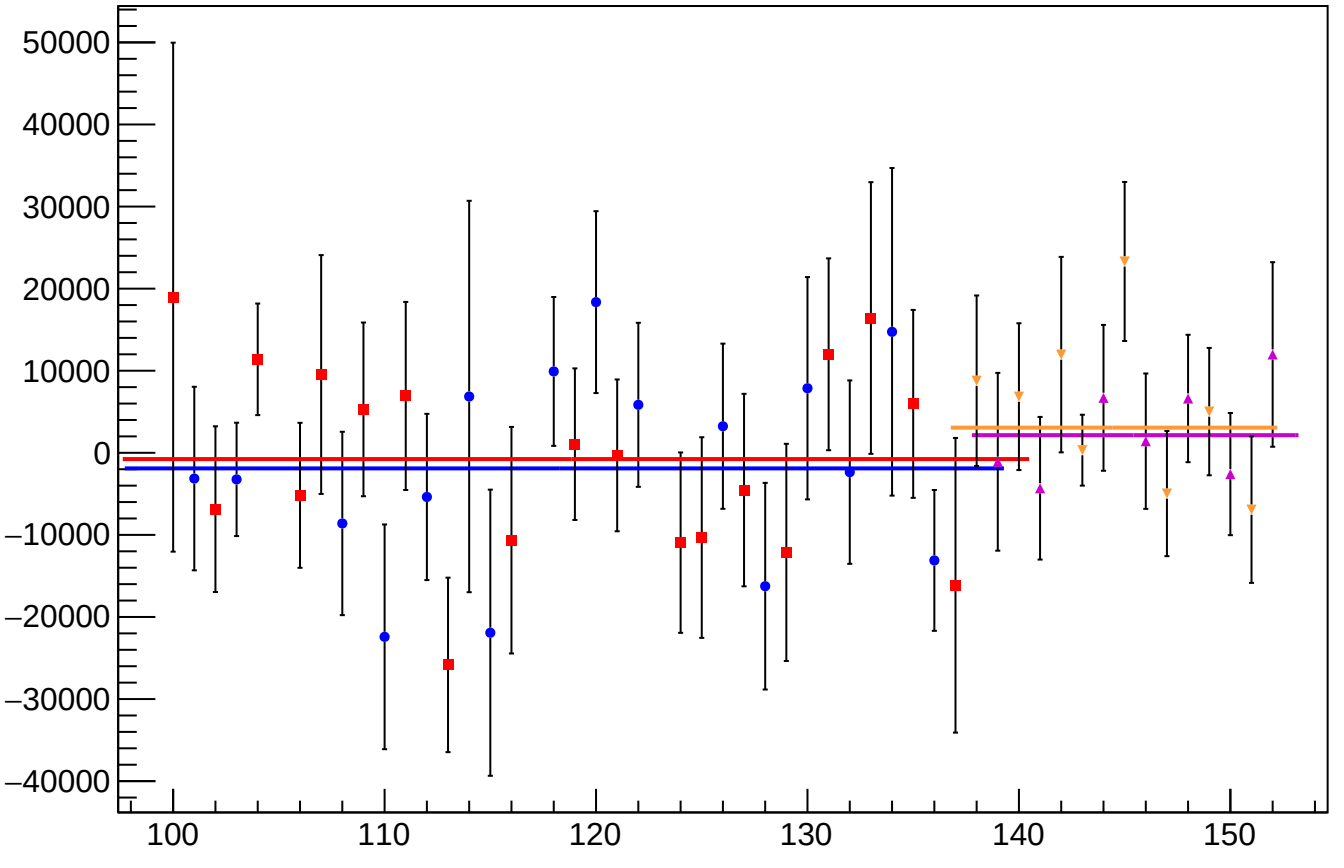
Left: 1893.949+/-0.384 χ^2/NDF: 329892.1/14

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1742.765+/-0.341 χ^2/NDF:538597.0/22

Out: 1760.295+/-0.345 χ^2/NDF:867072.2/26

All: 1751.427+/-0.242 χ^2/NDF: 1406977.8/49



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: 2149.205+/-3302.204 χ^2/NDF:2.4/6

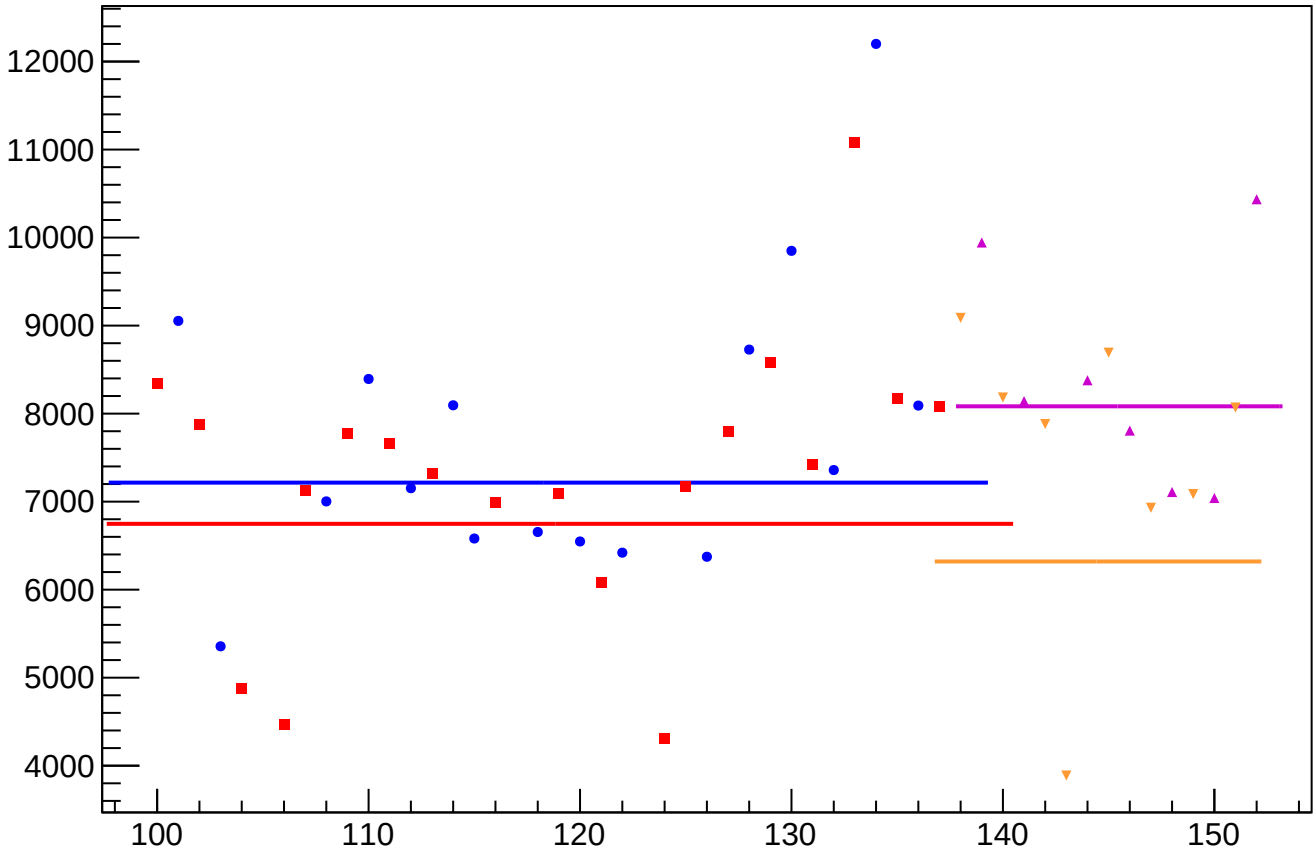
Left: 2703.322+/-2079.893 χ^2/NDF: 10.7/14

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -249.034+/-2108.618 χ^2/NDF:17.7/22

Out: 1058.971+/-1846.629 χ^2/NDF:26.6/26

All: 491.230+/-1389.211 χ^2/NDF: 44.5/49



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: 8082.952+/-2.335 χ^2/NDF:221829.8/6

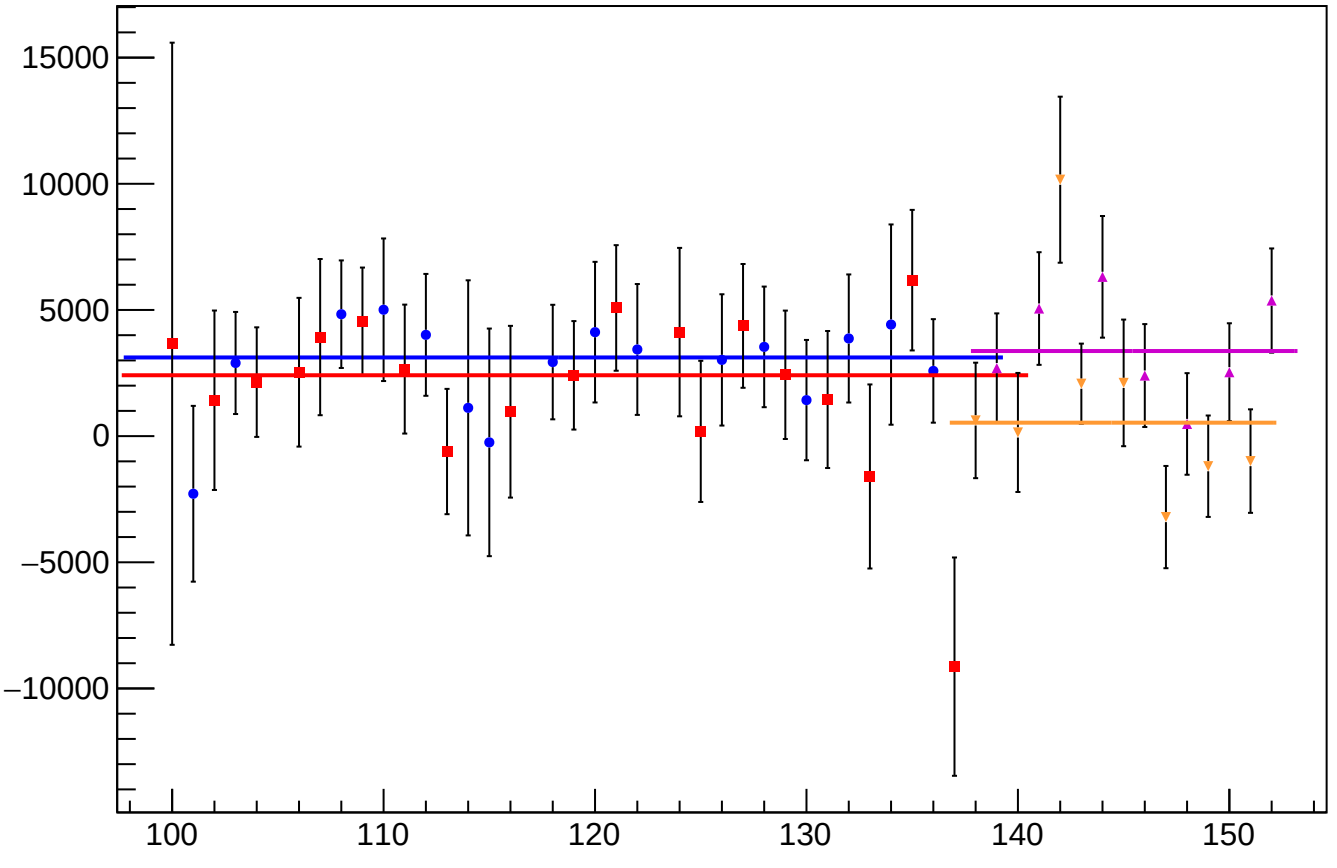
Left: 7019.499+/-1.471 χ^2/NDF: 1692049.2/14

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7569.512+/-1.491 χ^2/NDF:815594.0/22

Out: 6544.415+/-1.306 χ^2/NDF:1861929.3/26

All: 6989.360+/-0.982 χ^2/NDF: 2945034.1/49



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: 3372.301+/-797.198 χ^2/NDF:5.6/6

Left: 1878.178+/-548.746 χ^2/NDF: 26.9/14

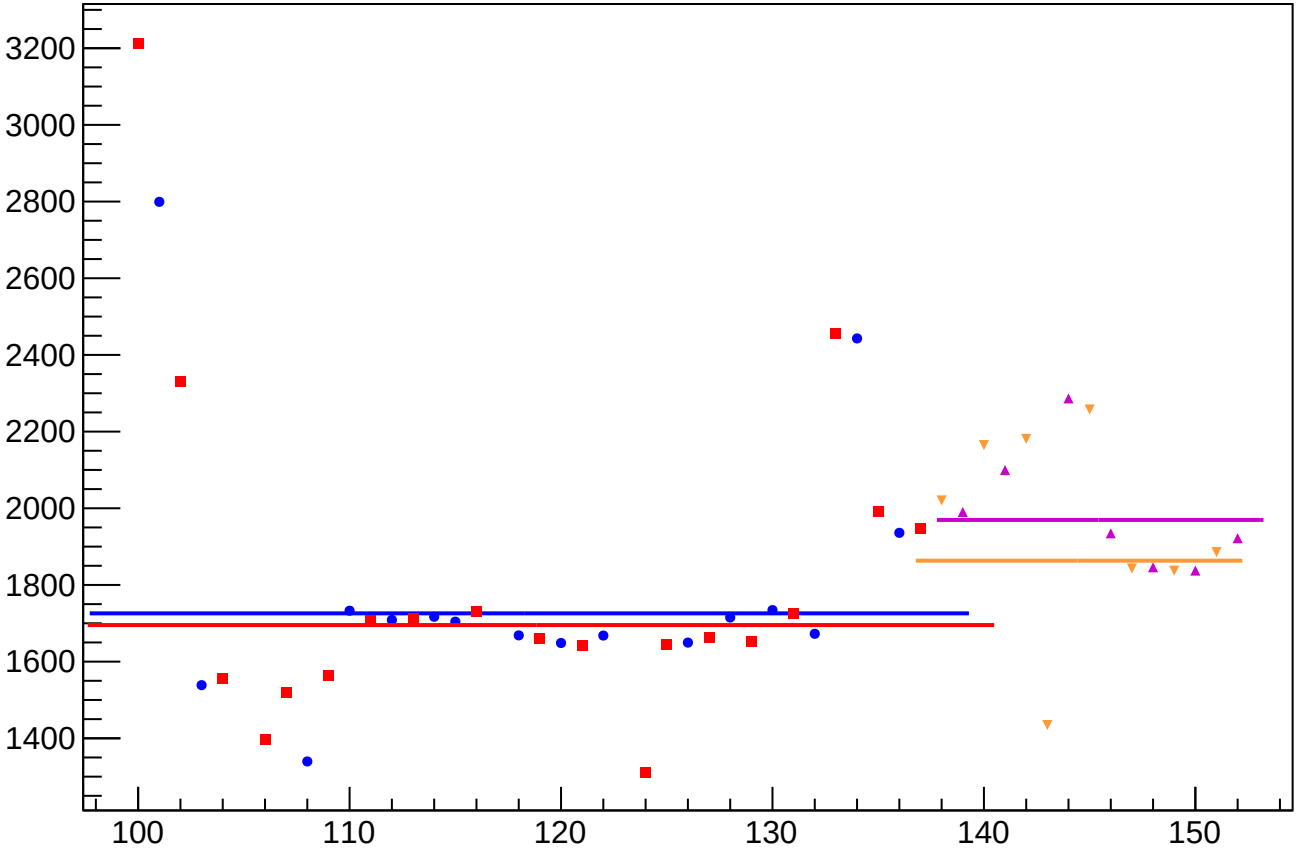
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3219.686+/-504.289 χ^2/NDF:10.9/22

Out: 1629.731+/-488.163 χ^2/NDF:34.2/26

All: 2398.881+/-350.746 χ^2/NDF: 50.3/49

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: 1969.581+/-0.564 χ^2/NDF:60032.9/6

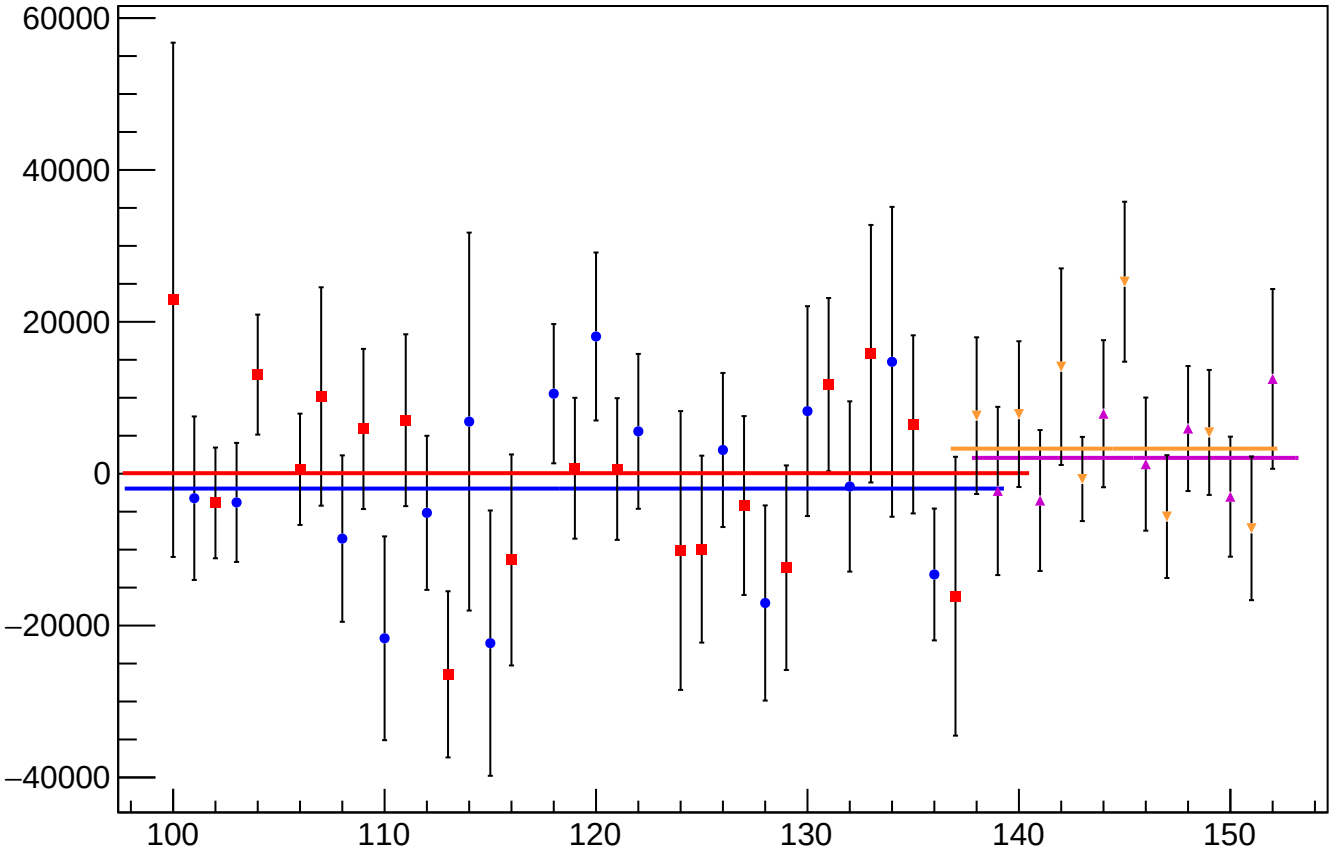
Left: 1913.662+/-0.388 χ^2/NDF: 335387.3/14

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1823.416+/-0.357 χ^2/NDF:537755.6/22

Out: 1765.282+/-0.345 χ^2/NDF:599802.7/26

All: 1793.399+/-0.248 χ^2/NDF: 1151282.4/49



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: 2083.645+/-3506.449 χ^2/NDF:2.3/6

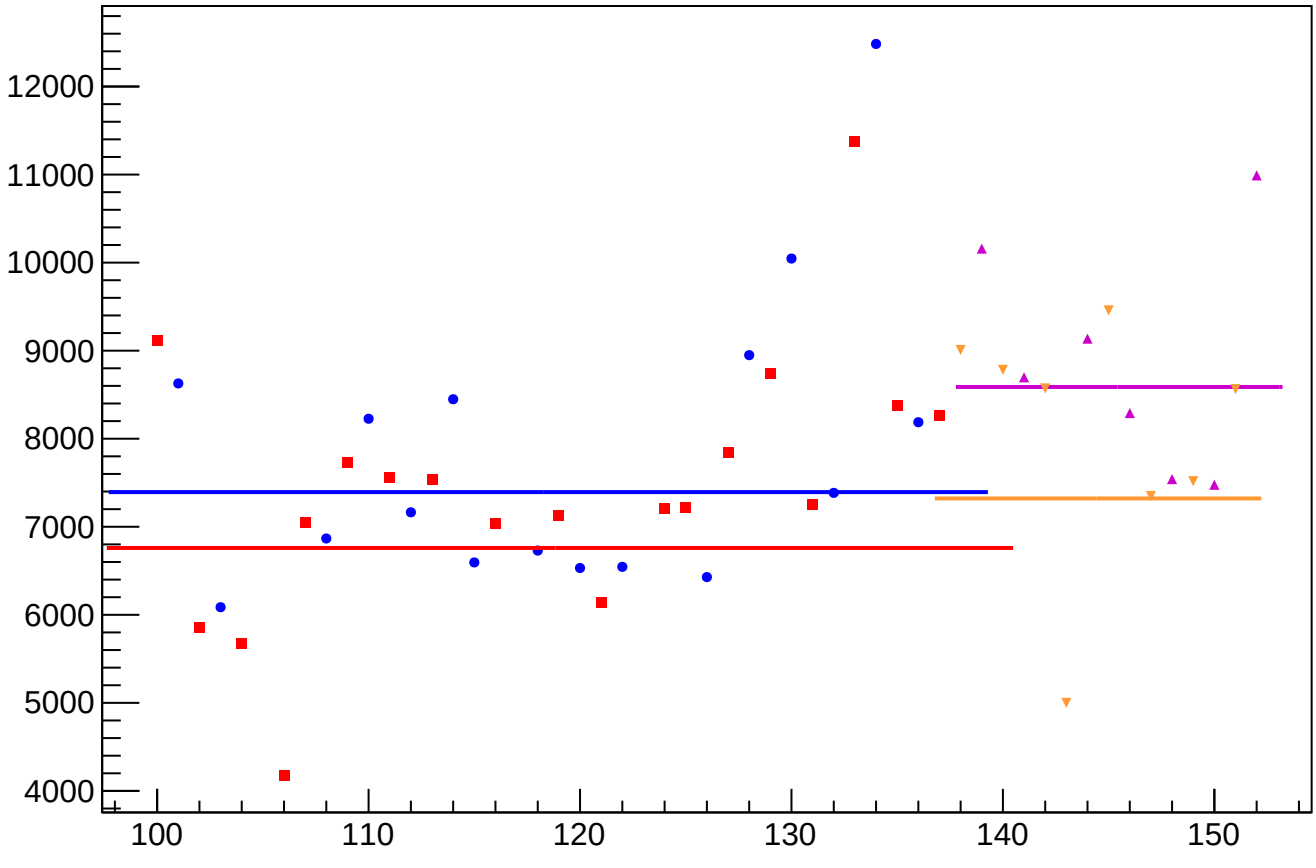
Left: 2780.392+/-2292.227 χ^2/NDF: 10.9/14

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -385.815+/-2187.195 χ^2/NDF:17.5/22

Out: 1396.097+/-1941.568 χ^2/NDF:25.3/26

All: 610.776+/-1452.005 χ^2/NDF: 43.1/49



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: 8587.755+/-2.479 χ^2/NDF:203413.2/6

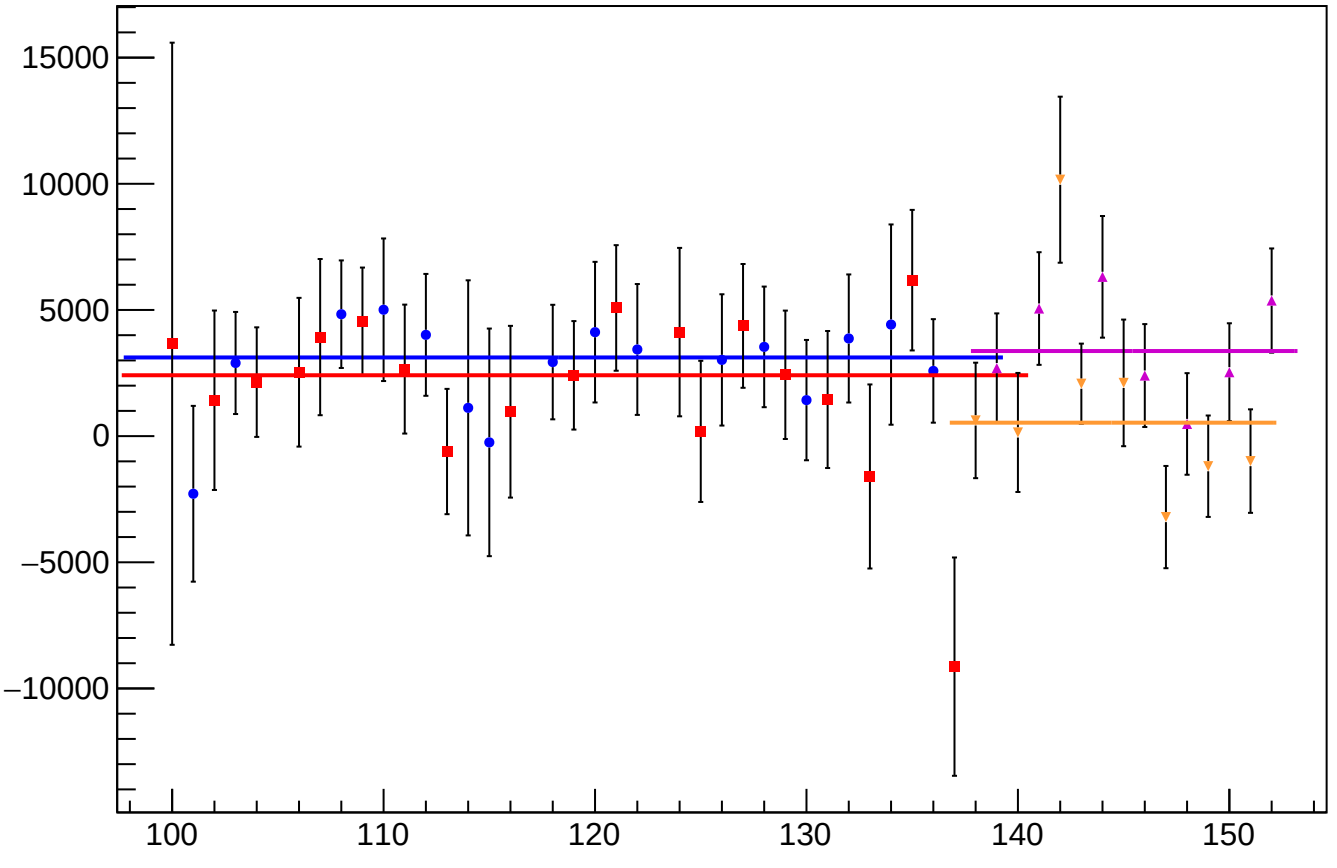
Left: 7862.785+/-1.621 χ^2/NDF: 939441.6/14

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 7858.237+/-1.547 χ^2/NDF:746944.5/22

Out: 6990.466+/-1.373 χ^2/NDF:1271635.7/26

All: 7372.908+/-1.027 χ^2/NDF: 2194654.2/49



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: 3372.297+/-797.199 χ^2/NDF:5.6/6

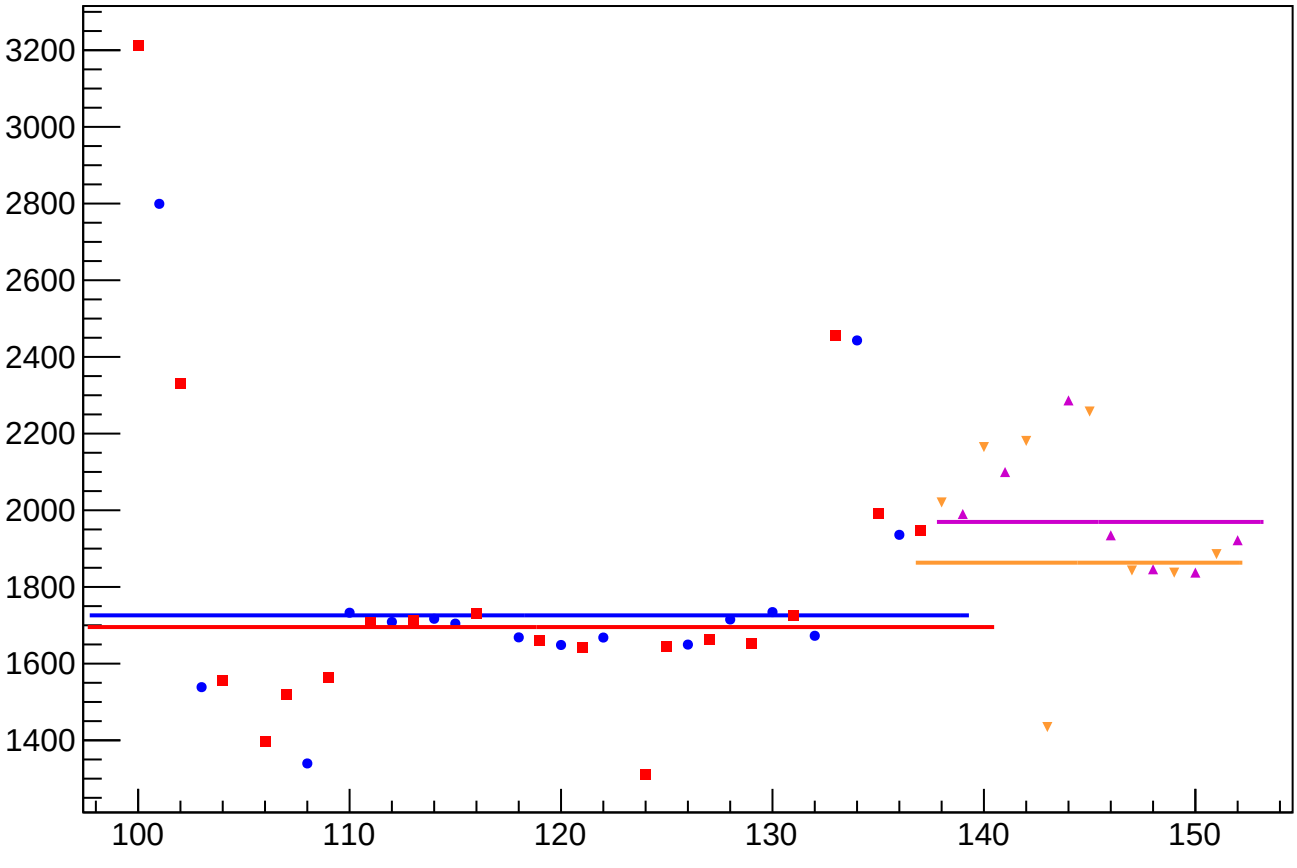
Left: 1878.176+/-548.746 χ^2/NDF: 26.9/14

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3219.687+/-504.290 χ^2/NDF:10.9/22

Out: 1629.737+/-488.164 χ^2/NDF:34.2/26

All: 2398.884+/-350.746 χ^2/NDF: 50.3/49



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: 1969.584+/-0.564 χ^2/NDF:60033.3/6

Left: 1913.665+/-0.388 χ^2/NDF: 335388.1/14

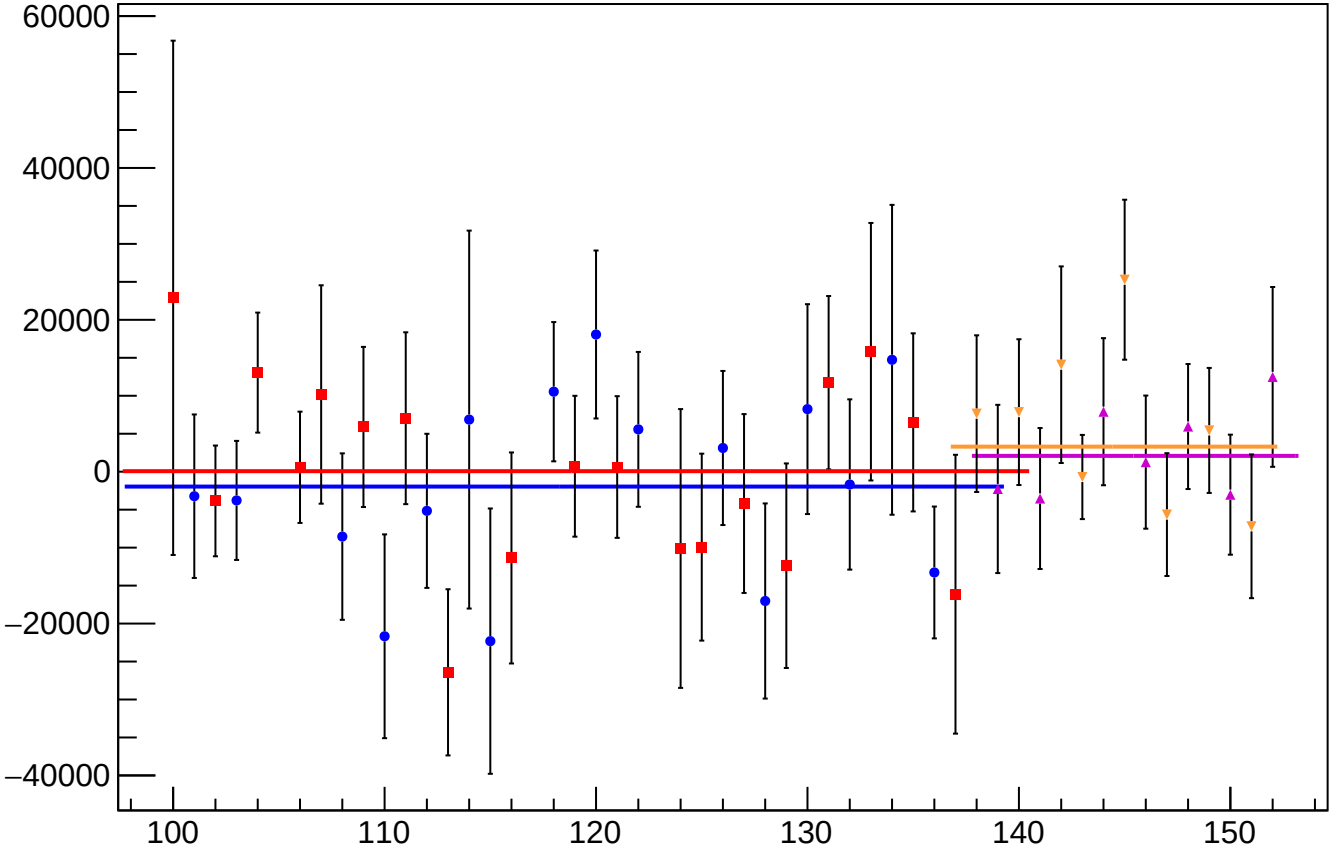
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1823.417+/-0.357 χ^2/NDF:537758.6/22

Out: 1765.283+/-0.345 χ^2/NDF:599805.0/26

All: 1793.399+/-0.248 χ^2/NDF: 1151287.8/49

asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 3300.340+/-3029.090 χ^2/NDF:8.5/7

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 2083.642+/-3506.454 χ^2/NDF:2.3/6

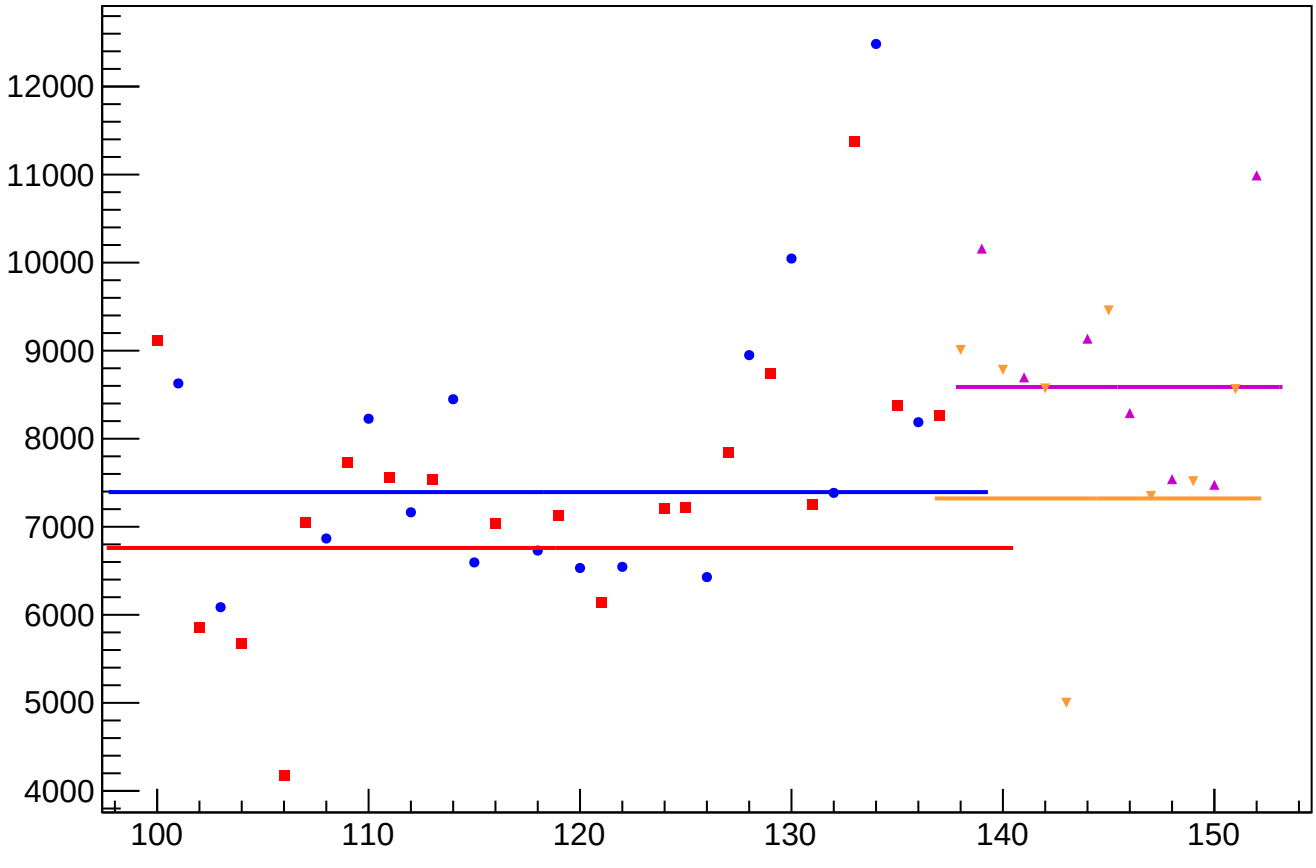
Left: 2780.388+/-2292.230 χ^2/NDF: 10.9/14

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -385.810+/-2187.193 χ^2/NDF:17.5/22

Out: 1396.094+/-1941.567 χ^2/NDF:25.3/26

All: 610.776+/-1452.003 χ^2/NDF: 43.1/49



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: 8587.766+/-2.479 χ^2/NDF:203413.9/6

Left: 7862.796+/-1.621 χ^2/NDF: 939441.6/14

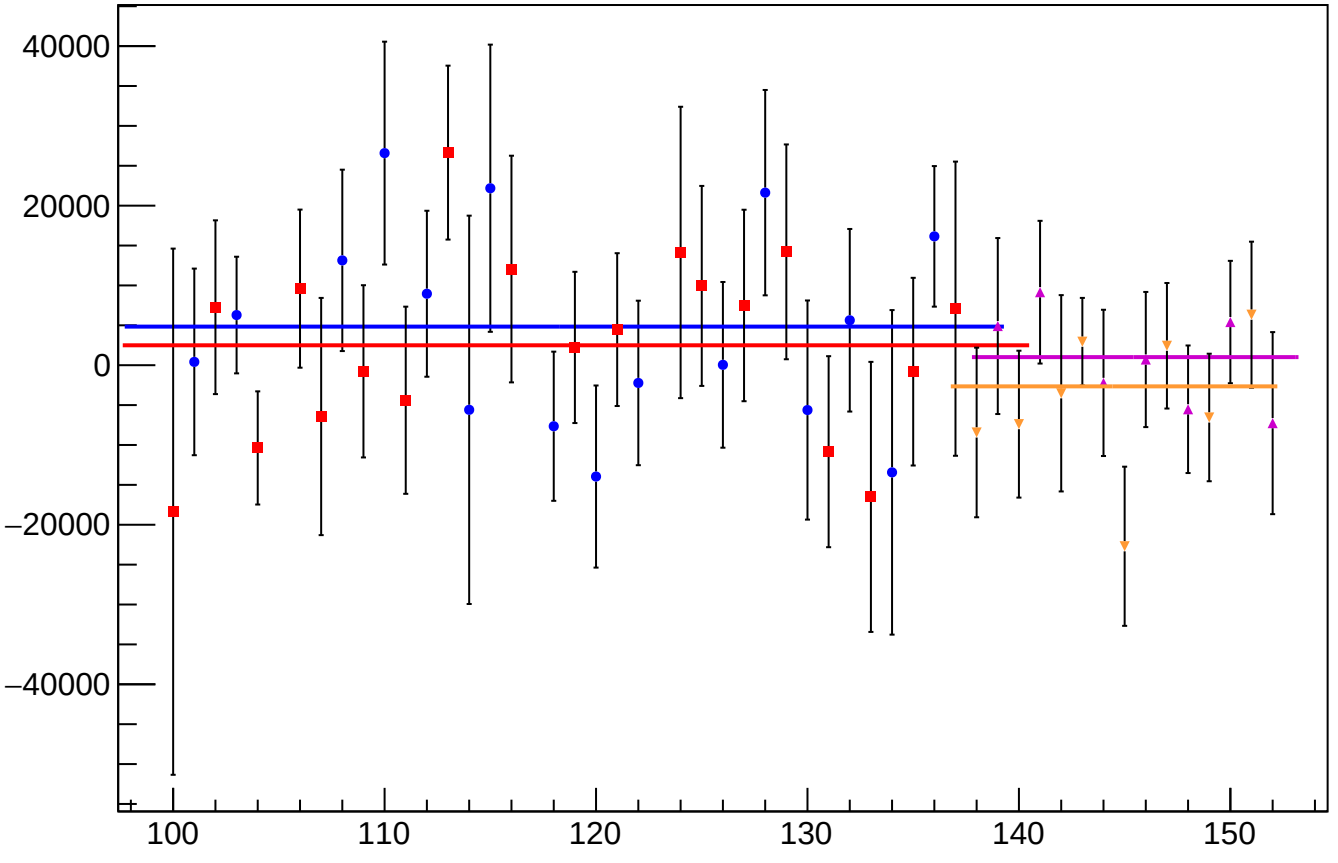
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 7858.228+/-1.547 χ^2/NDF:746954.1/22

Out: 6990.461+/-1.373 χ^2/NDF:1271638.0/26

All: 7372.902+/-1.027 χ^2/NDF: 2194665.0/49

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: 1013.595+/-3392.807 χ^2/NDF:2.6/6

Left: -1069.295+/-2230.067 χ^2/NDF: 10.5/14

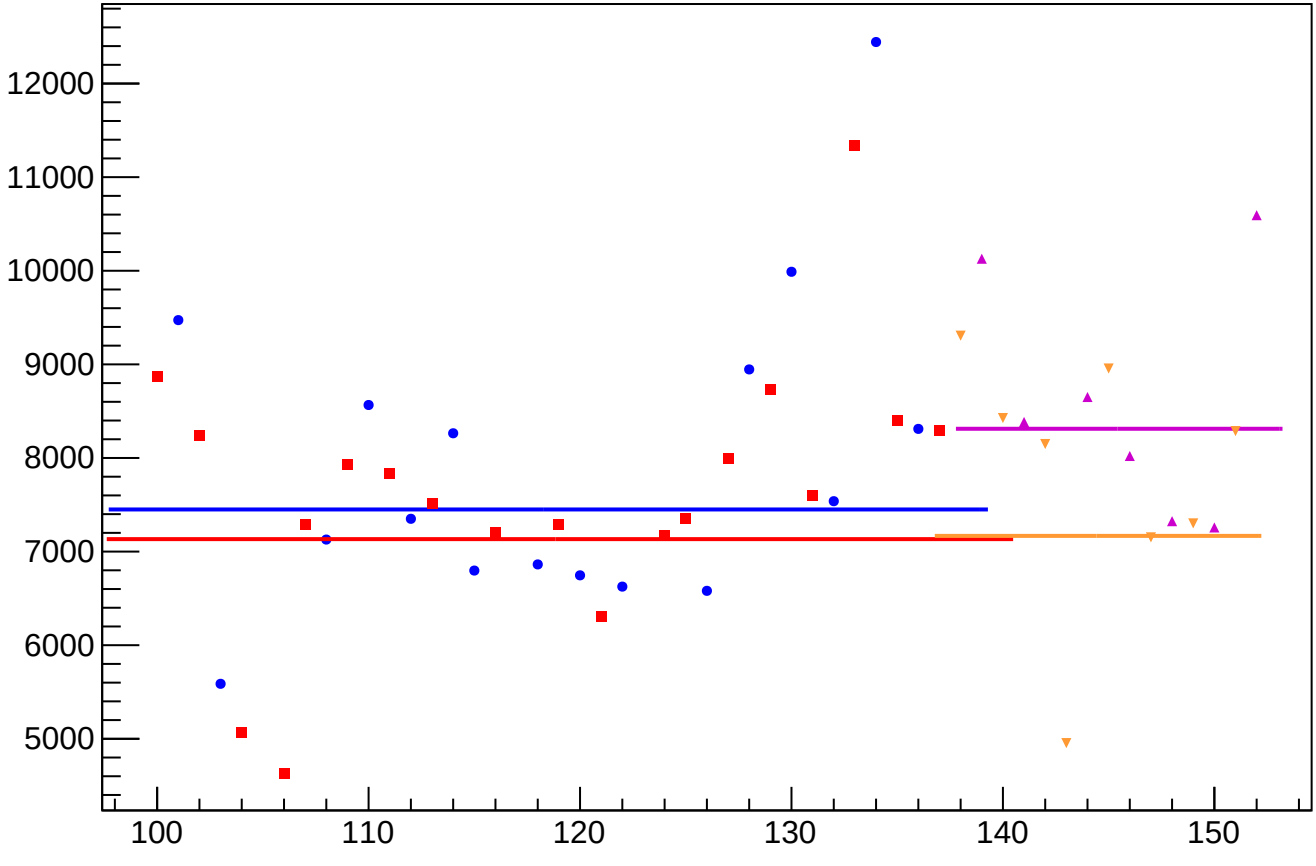
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3269.482+/-2172.738 χ^2/NDF:17.7/22

Out: 160.568+/-1992.700 χ^2/NDF:23.8/26

All: 1580.903+/-1468.582 χ^2/NDF: 42.6/49

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: 8312.017+/-2.399 χ^2/NDF:207710.0/6

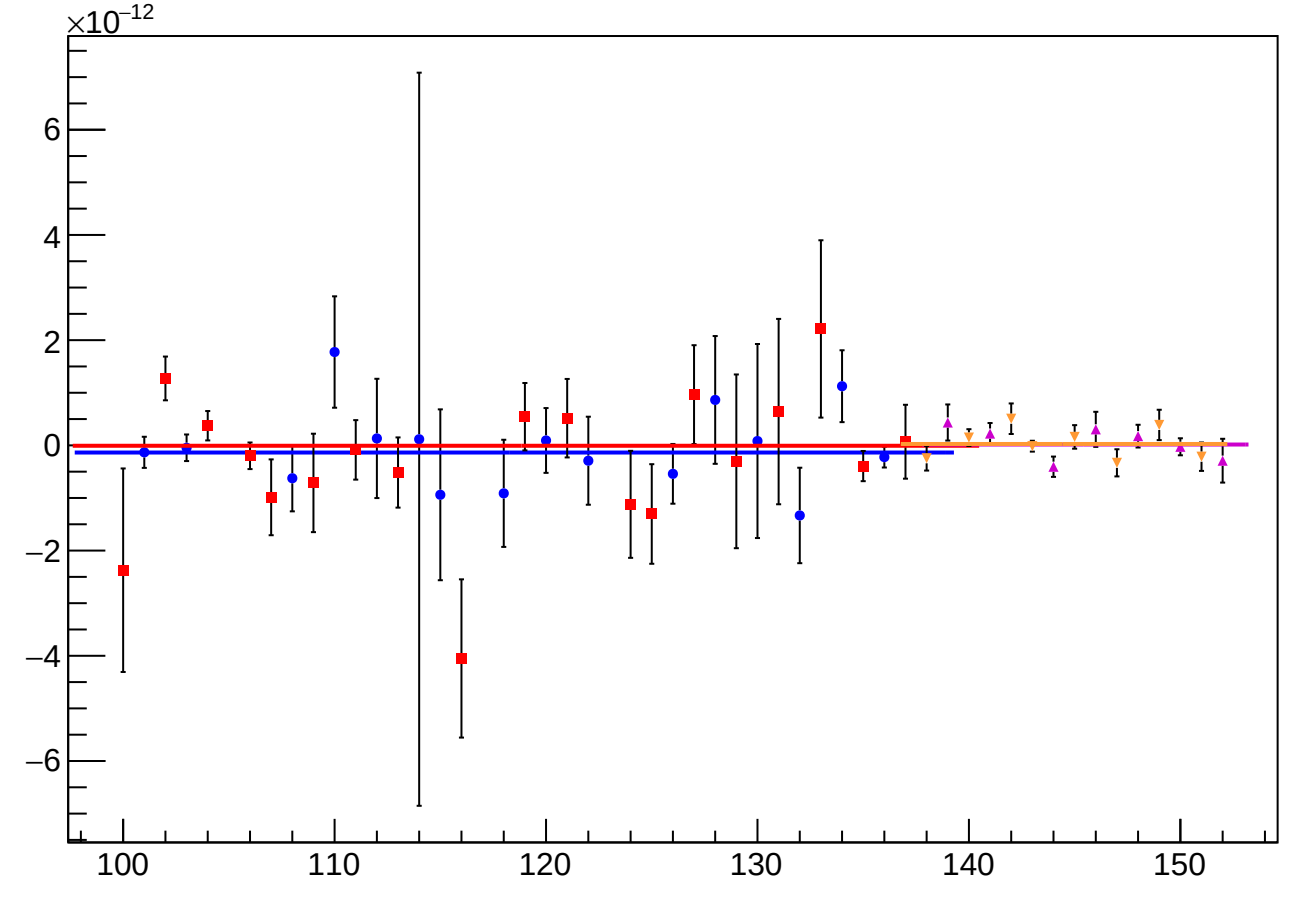
Left: 7662.109+/-1.577 χ^2/NDF: 887845.0/14

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 7803.506+/-1.536 χ^2/NDF:770299.1/22

Out: 7148.818+/-1.409 χ^2/NDF:1108068.9/26

All: 7447.908+/-1.038 χ^2/NDF: 1976999.1/49



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:9.2/6

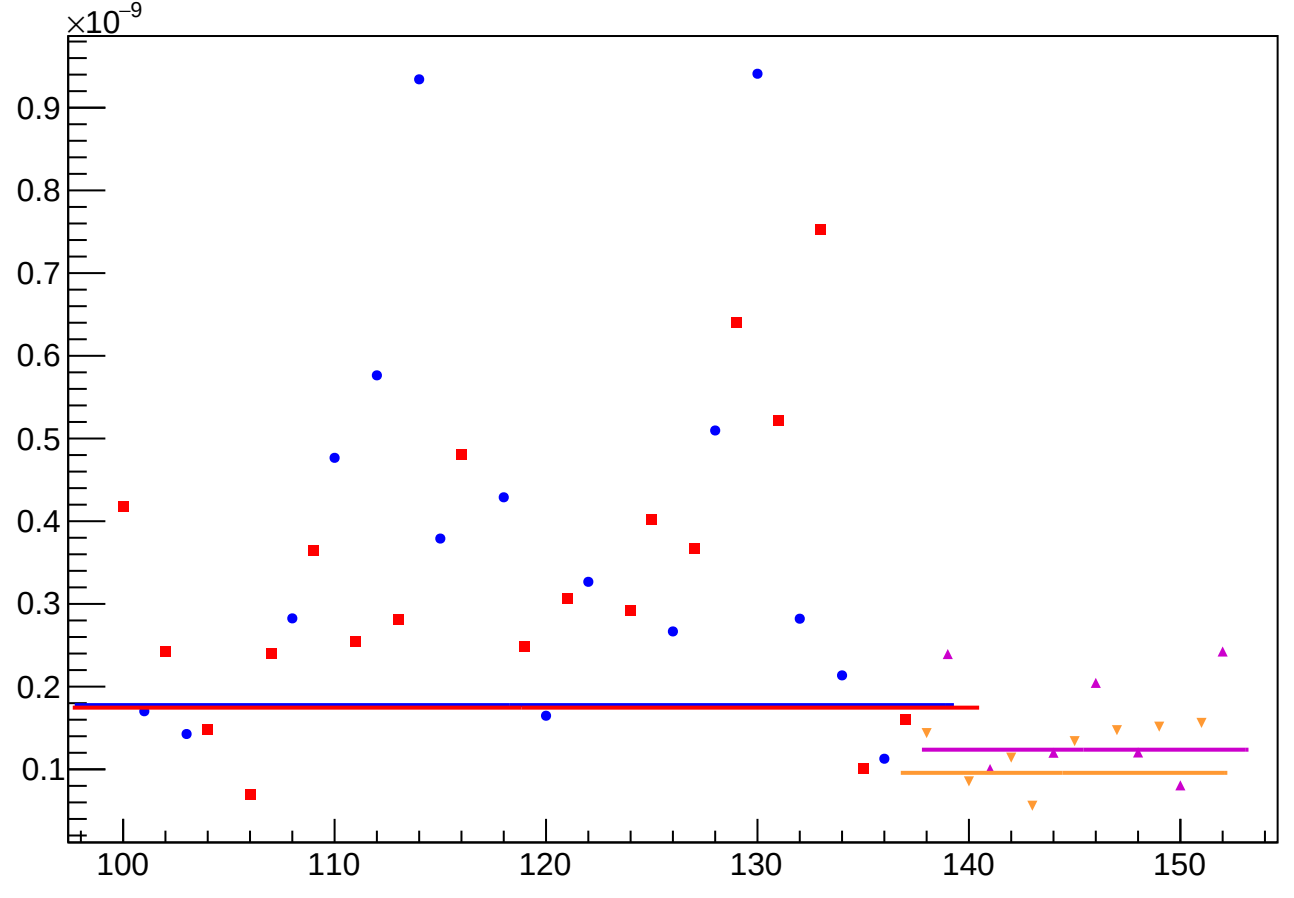
Left: 0.000+/-0.000 χ^2/NDF: 18.7/14

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:21.9/22

Out: 0.000+/-0.000 χ^2/NDF:42.3/26

All: -0.000+/-0.000 χ^2/NDF: 64.5/49



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:677738.3/6

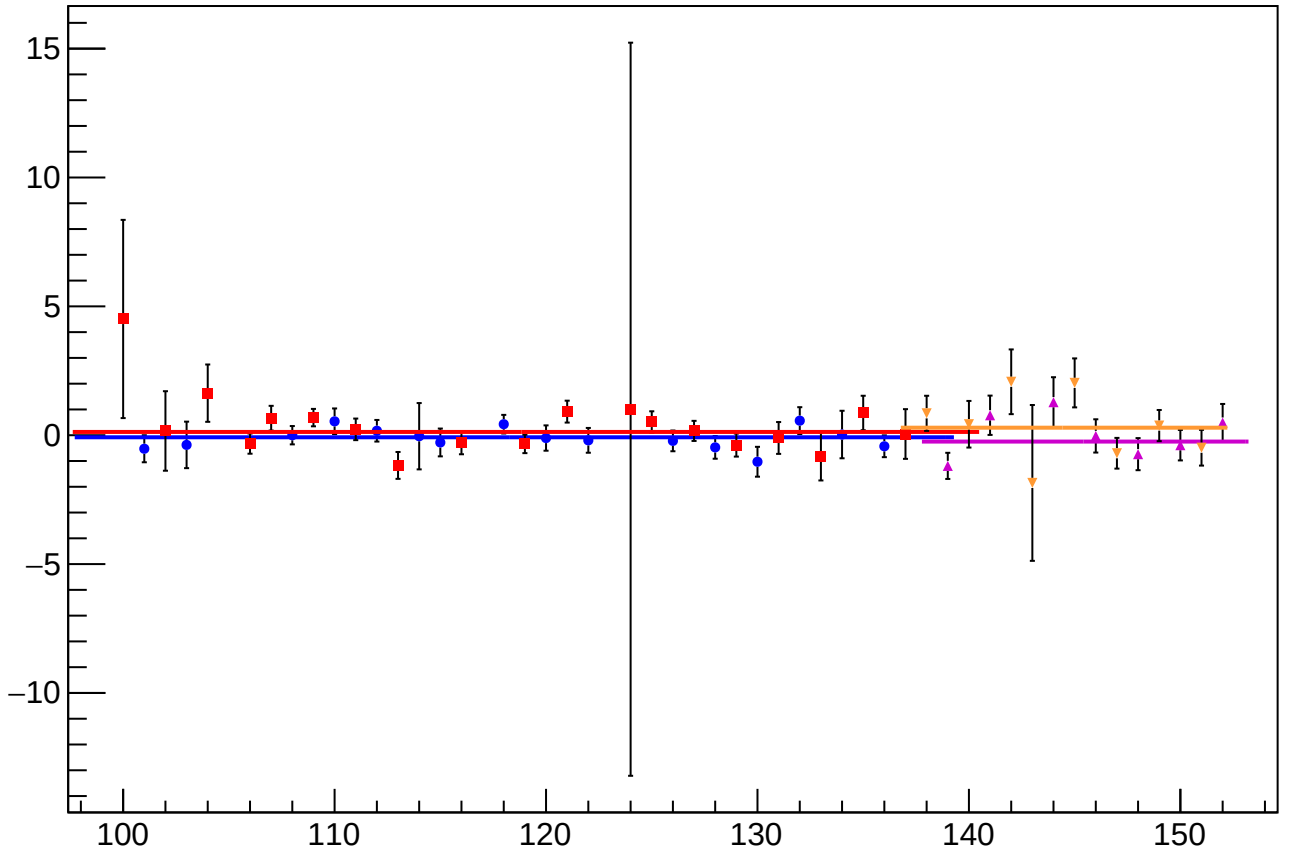
Left: 0.000+/-0.000 χ^2/NDF: 1519524.0/14

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:2474416.9/22

Out: 0.000+/-0.000 χ^2/NDF:2985627.8/26

All: 0.000+/-0.000 χ^2/NDF: 5653462.8/49



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: -0.246+/-0.247 χ^2/NDF:9.6/6

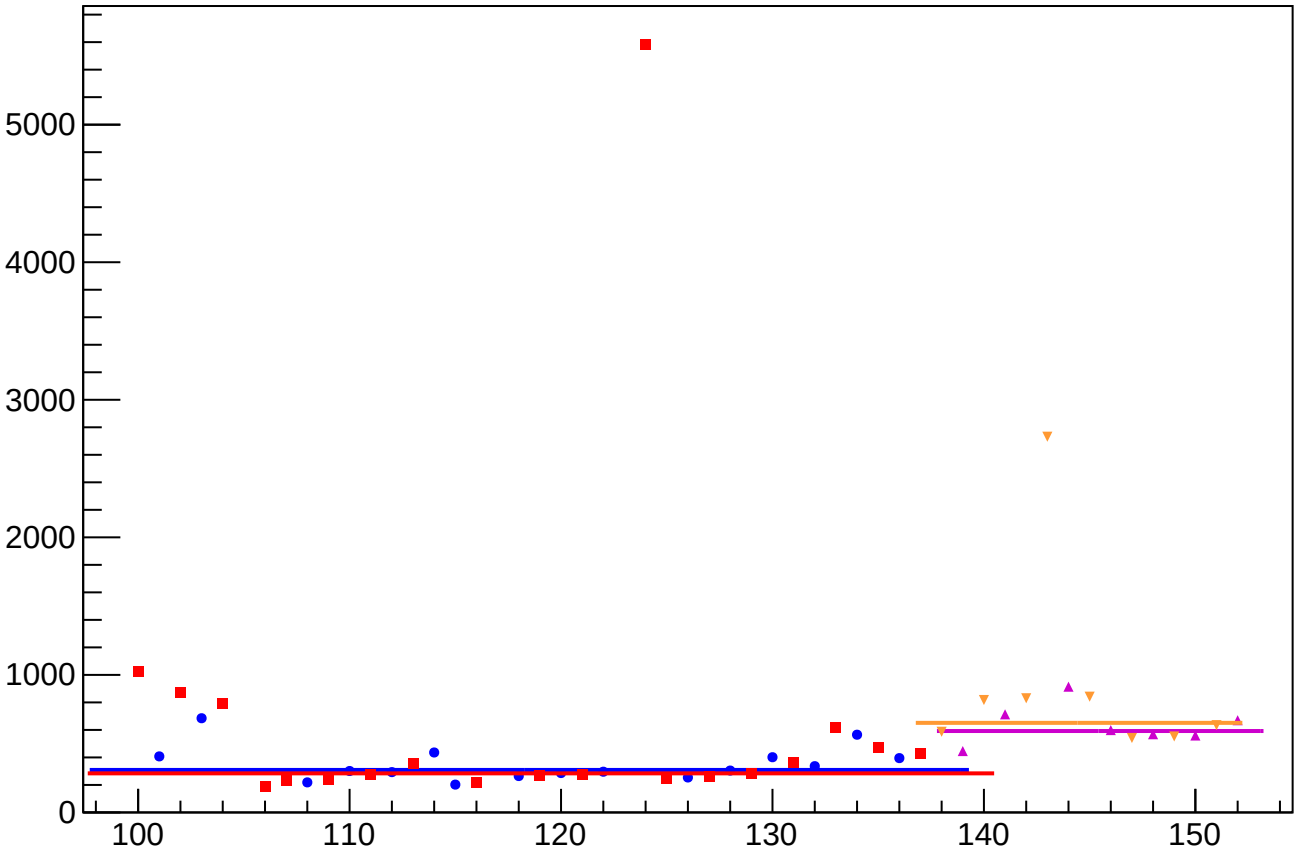
Left: -0.010+/-0.185 χ^2/NDF: 22.3/14

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.113+/-0.109 χ^2/NDF:20.7/22

Out: 0.152+/-0.108 χ^2/NDF:36.2/26

All: 0.022+/-0.077 χ^2/NDF: 59.8/49



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: 592.036+/-0.174 χ^2/NDF:469968.1/6

Left: 618.081+/-0.131 χ^2/NDF: 1796311.0/14

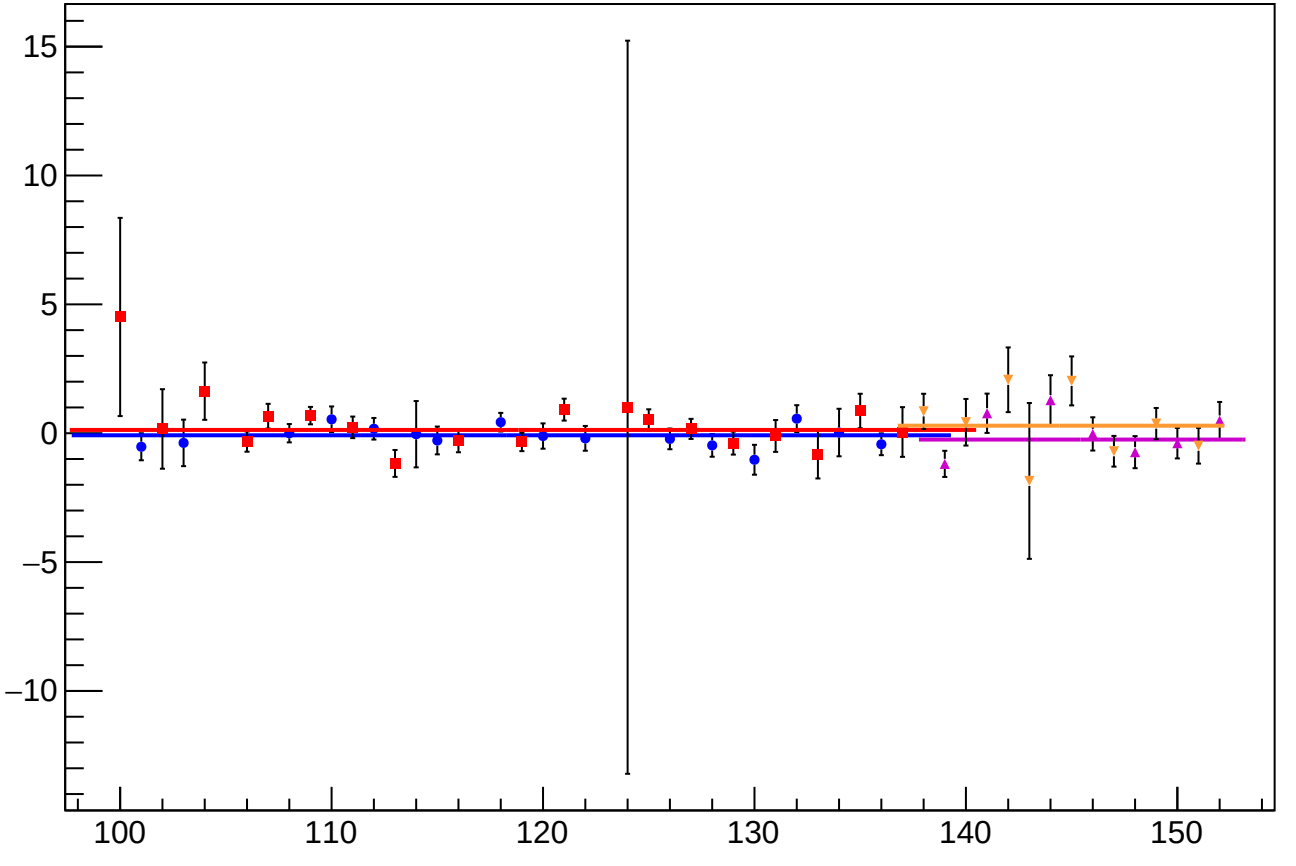
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 364.598+/-0.077 χ^2/NDF:3599485.0/22

Out: 339.054+/-0.076 χ^2/NDF:6079903.1/26

All: 351.657+/-0.054 χ^2/NDF: 9734769.3/49

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: -0.246+/-0.247 χ^2/NDF:9.6/6

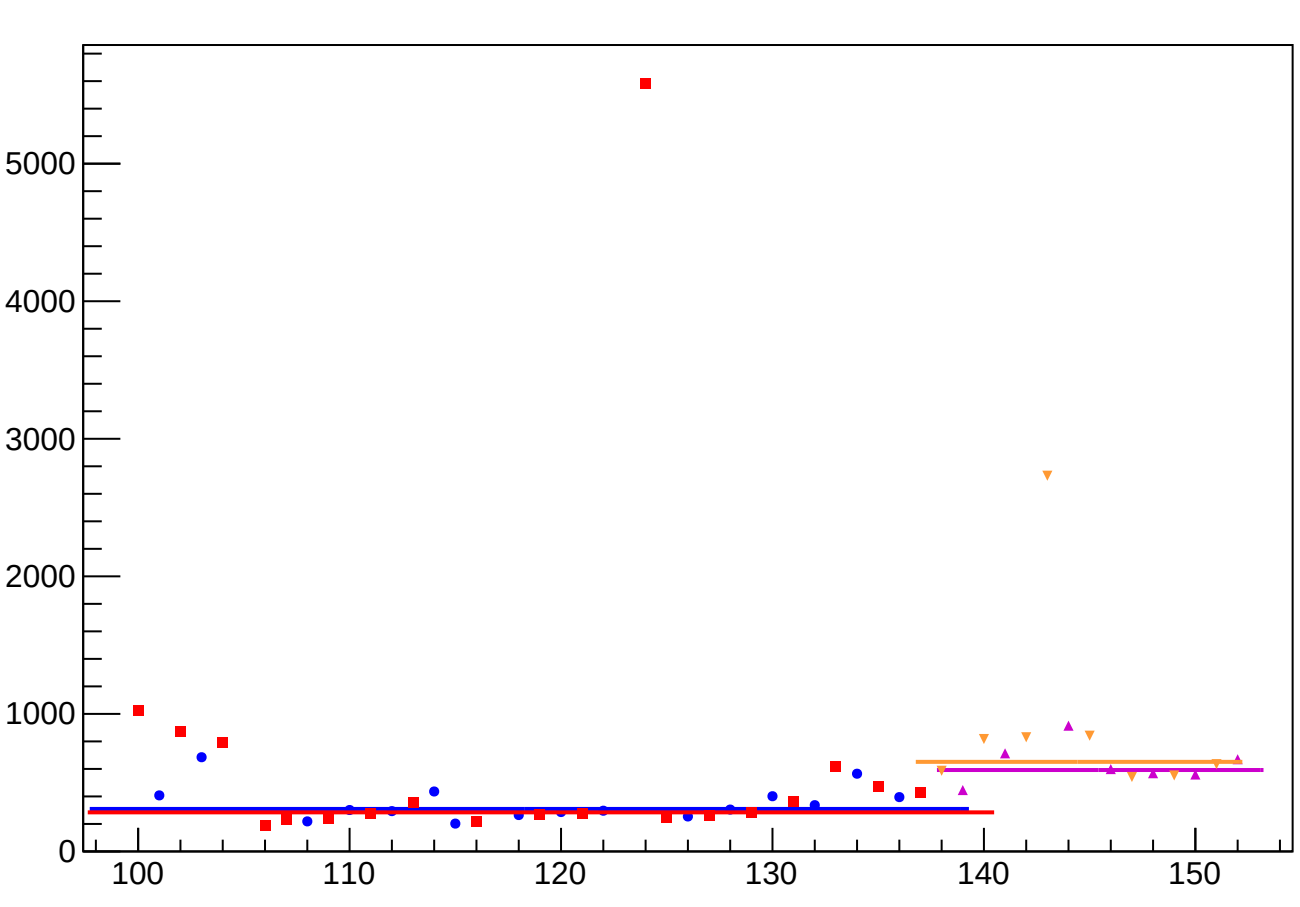
Left: -0.010+/-0.185 χ^2/NDF: 22.3/14

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.113+/-0.109 χ^2/NDF:20.7/22

Out: 0.152+/-0.108 χ^2/NDF:36.2/26

All: 0.022+/-0.077 χ^2/NDF: 59.8/49



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: 592.036+/-0.174 χ^2/NDF:469968.1/6

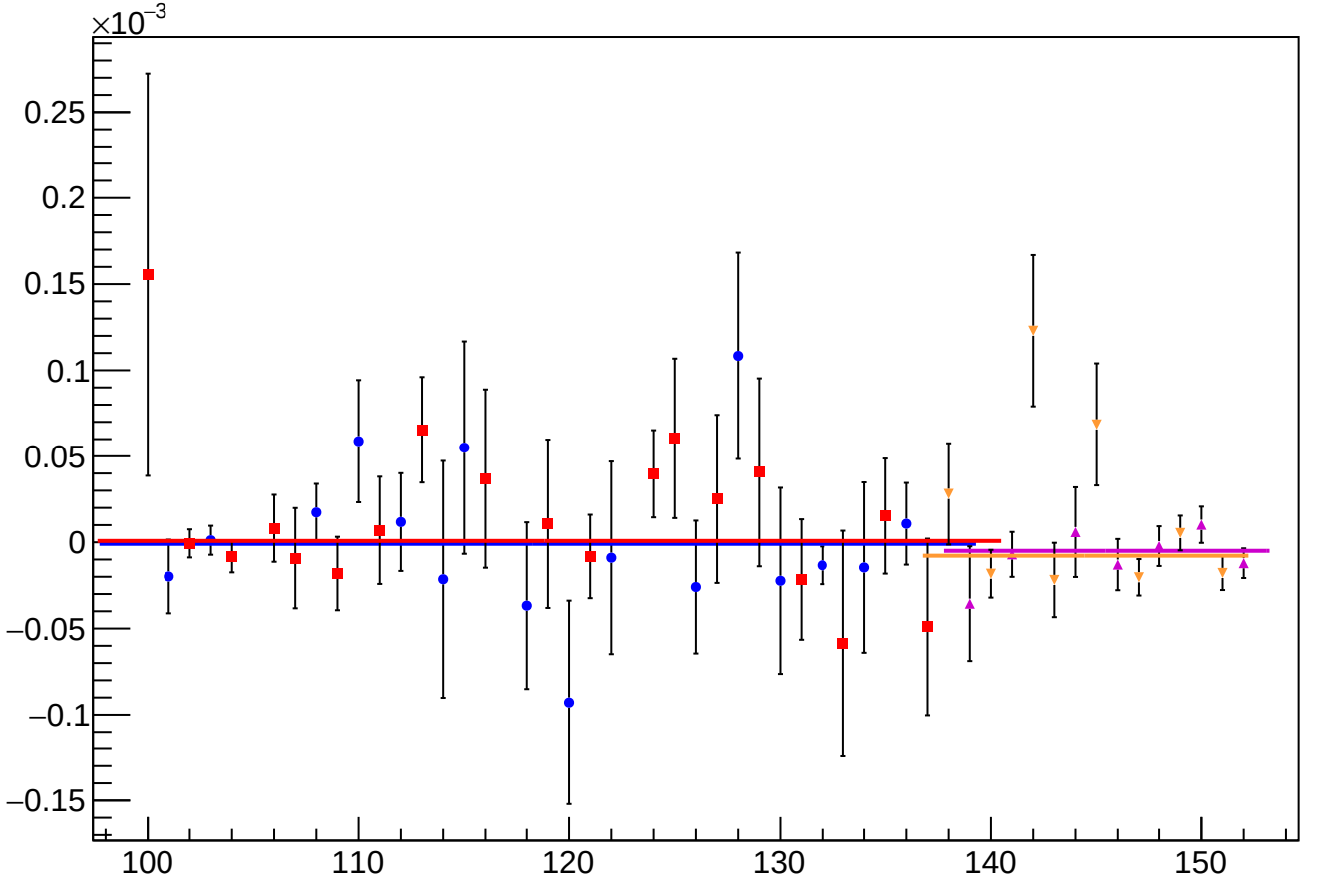
Left: 618.081+/-0.131 χ^2/NDF: 1796311.0/14

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 364.598+/-0.077 χ^2/NDF:3599485.0/22

Out: 339.054+/-0.076 χ^2/NDF:6079903.1/26

All: 351.657+/-0.054 χ^2/NDF: 9734769.3/49



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:4.2/6

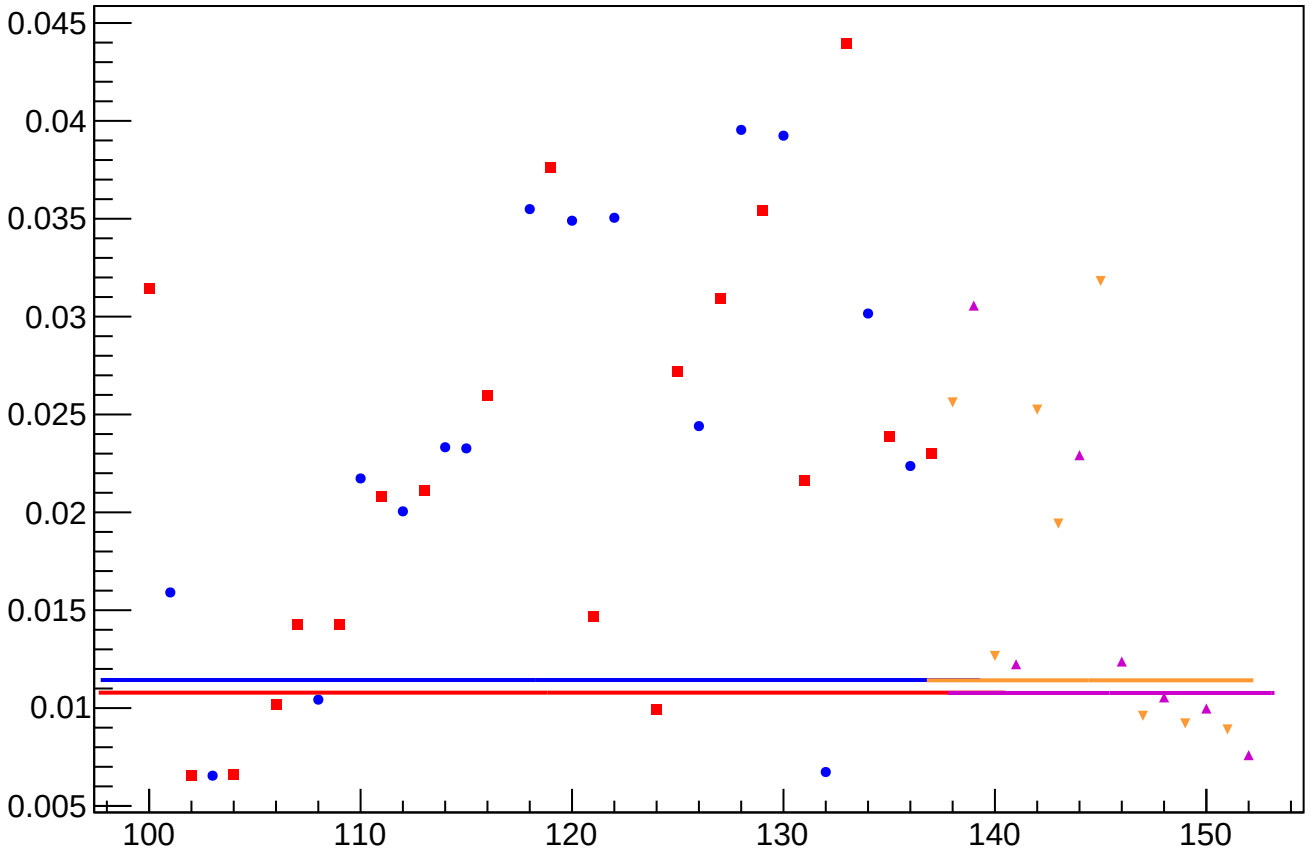
Left: -0.000+/-0.000 χ^2/NDF: 24.4/14

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:19.0/22

Out: -0.000+/-0.000 χ^2/NDF:37.8/26

All: -0.000+/-0.000 χ^2/NDF: 56.7/49



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: 0.011+/-0.000 χ^2/NDF:1476307.9/6

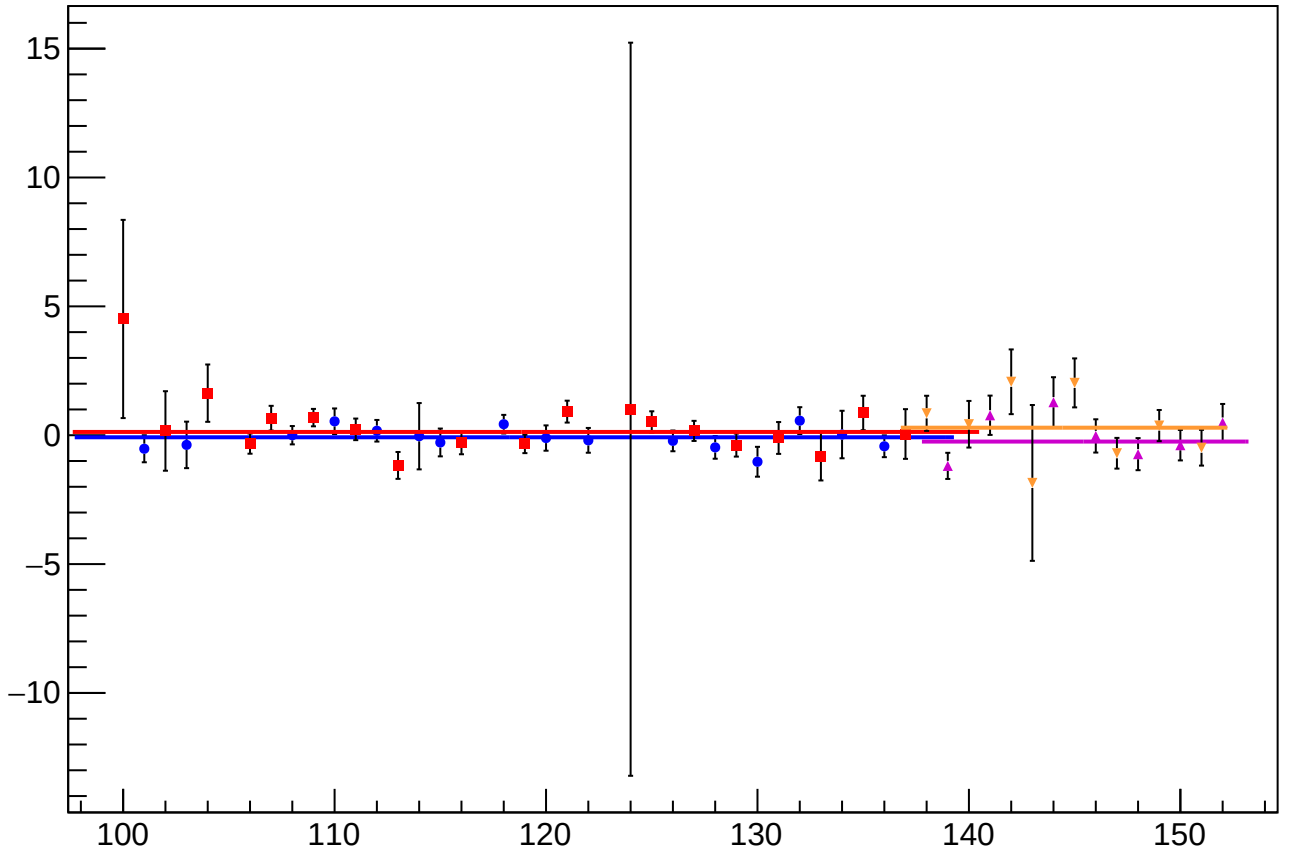
Left: 0.011+/-0.000 χ^2/NDF: 3393896.5/14

Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.011+/-0.000 χ^2/NDF:6193227.4/22

Out: 0.011+/-0.000 χ^2/NDF:6390369.0/26

All: 0.011+/-0.000 χ^2/NDF: 12583621.8/49



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: -0.246+/-0.247 χ^2/NDF:9.6/6

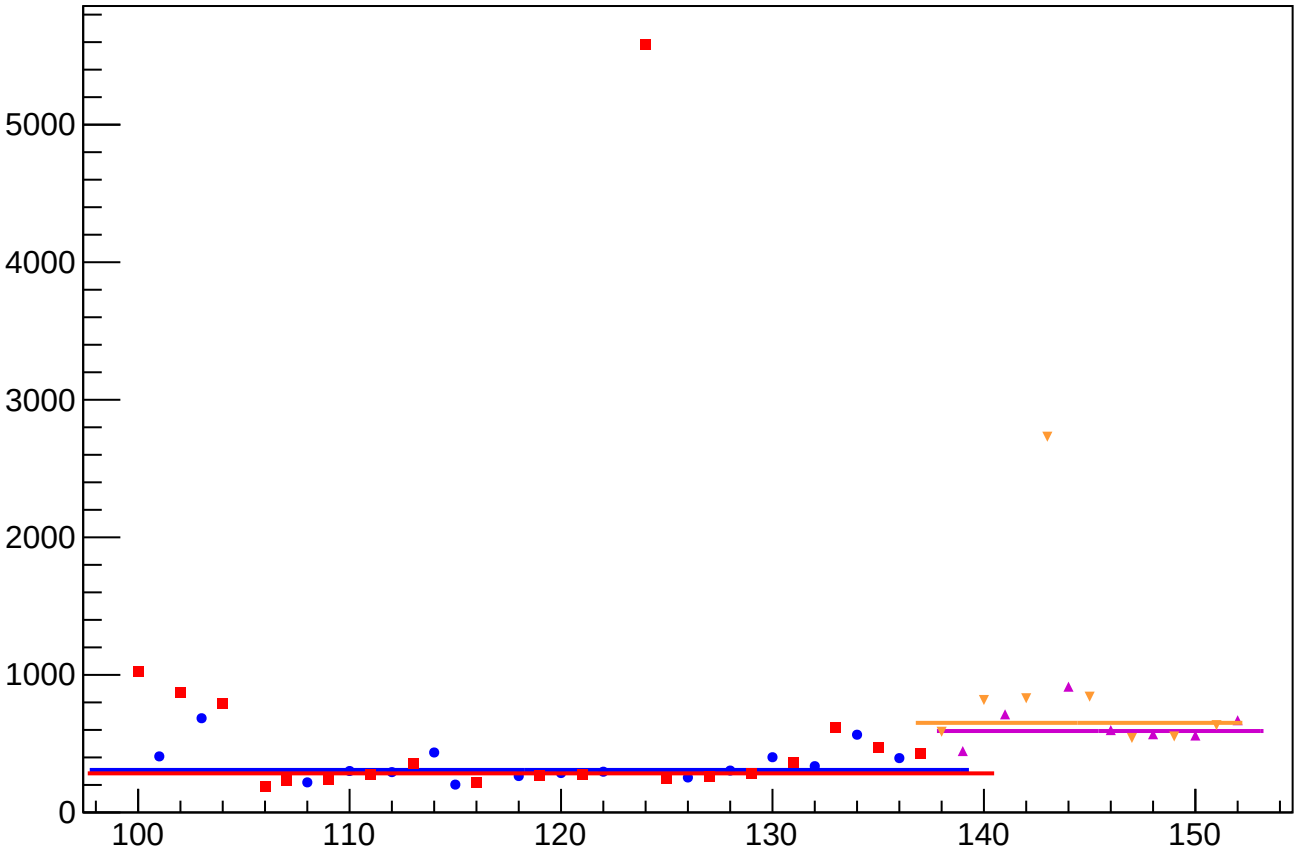
Left: -0.010+/-0.185 χ^2/NDF: 22.3/14

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.113+/-0.109 χ^2/NDF:20.7/22

Out: 0.152+/-0.108 χ^2/NDF:36.2/26

All: 0.022+/-0.077 χ^2/NDF: 59.8/49



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: 592.044+/-0.174 χ^2/NDF:469949.9/6

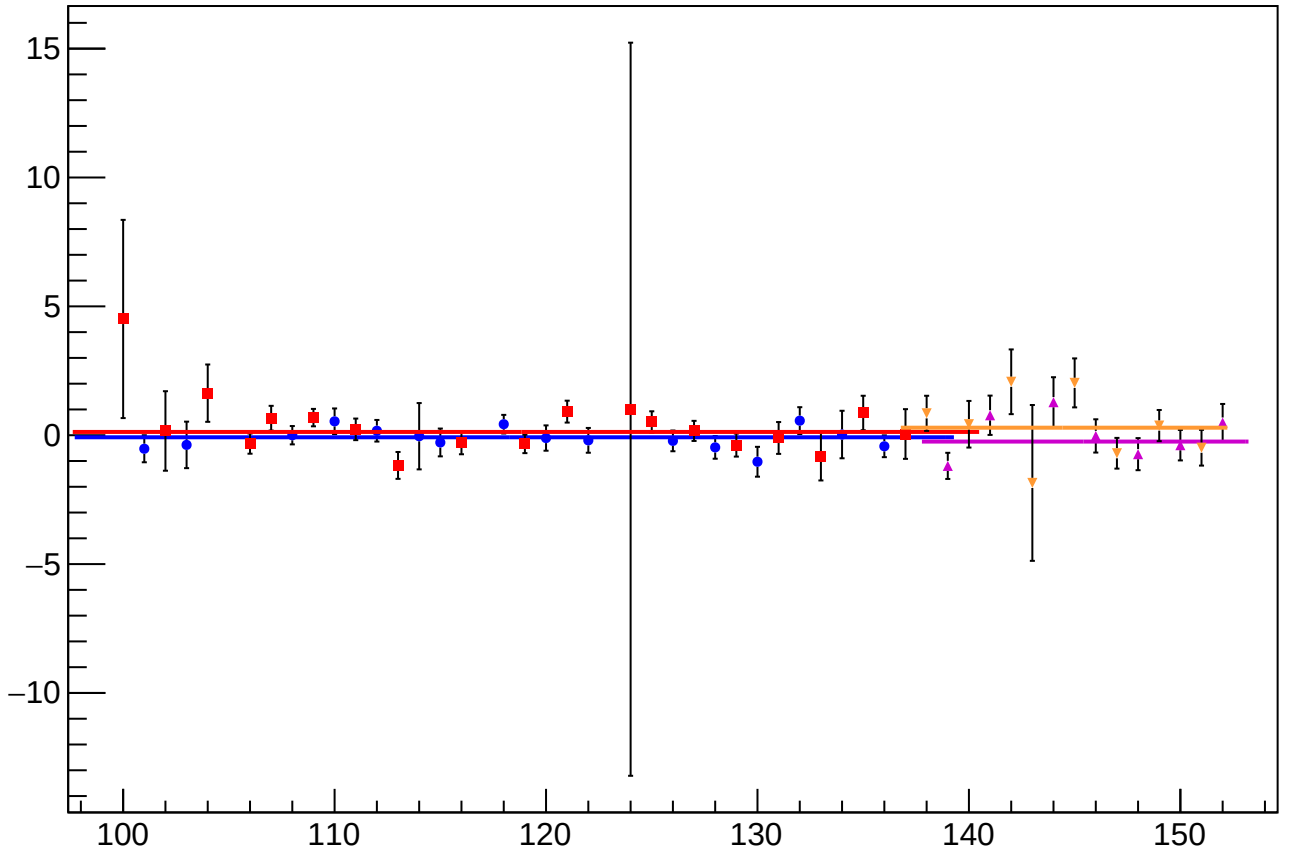
Left: 618.089+/-0.131 χ^2/NDF: 1796288.1/14

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 364.598+/-0.077 χ^2/NDF:3599526.6/22

Out: 339.053+/-0.076 χ^2/NDF:6079953.6/26

All: 351.656+/-0.054 χ^2/NDF: 9734862.7/49



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: -0.246+/-0.247 χ^2/NDF:9.6/6

Left: -0.010+/-0.185 χ^2/NDF: 22.3/14

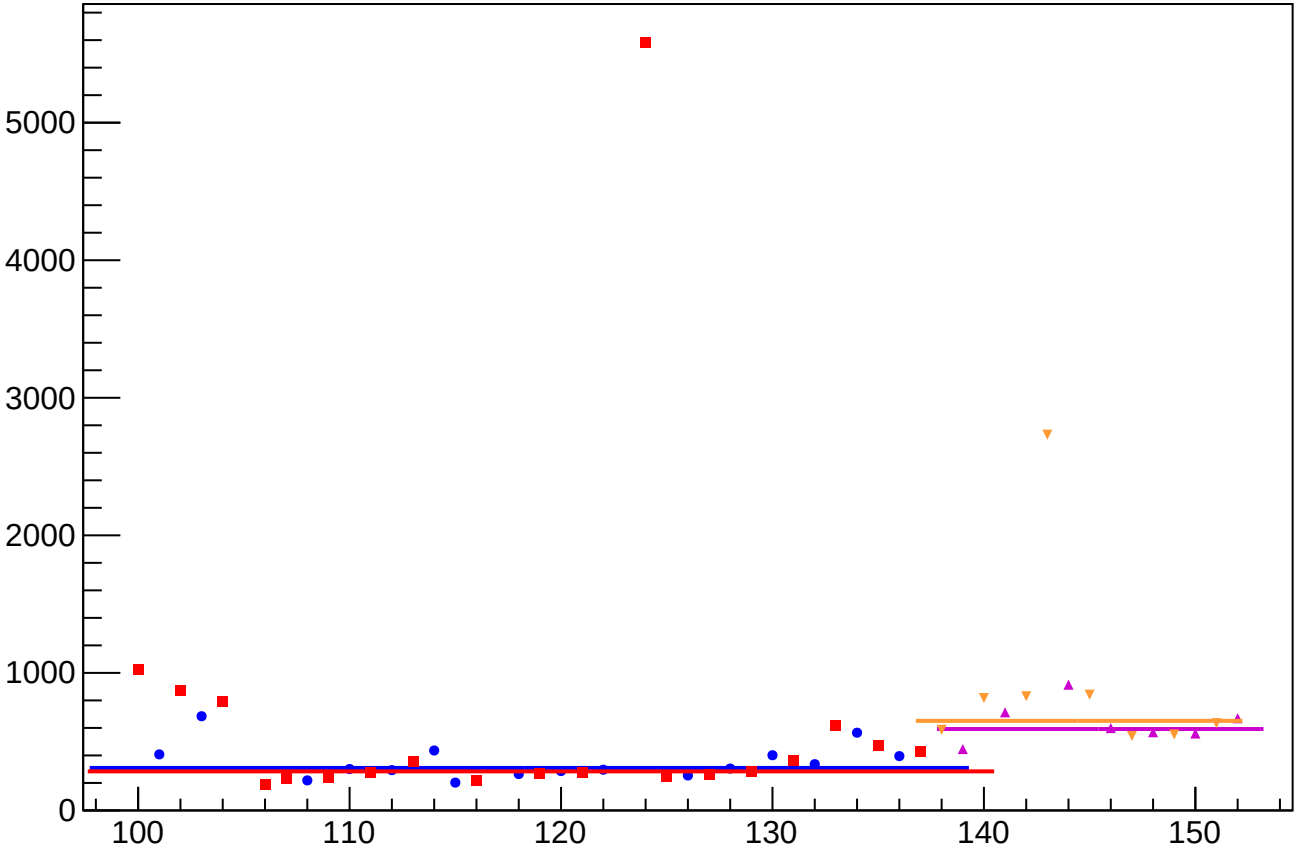
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.113+/-0.109 χ^2/NDF:20.7/22

Out: 0.152+/-0.108 χ^2/NDF:36.2/26

All: 0.022+/-0.077 χ^2/NDF: 59.8/49

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: 592.044+/-0.174 χ^2/NDF:469949.9/6

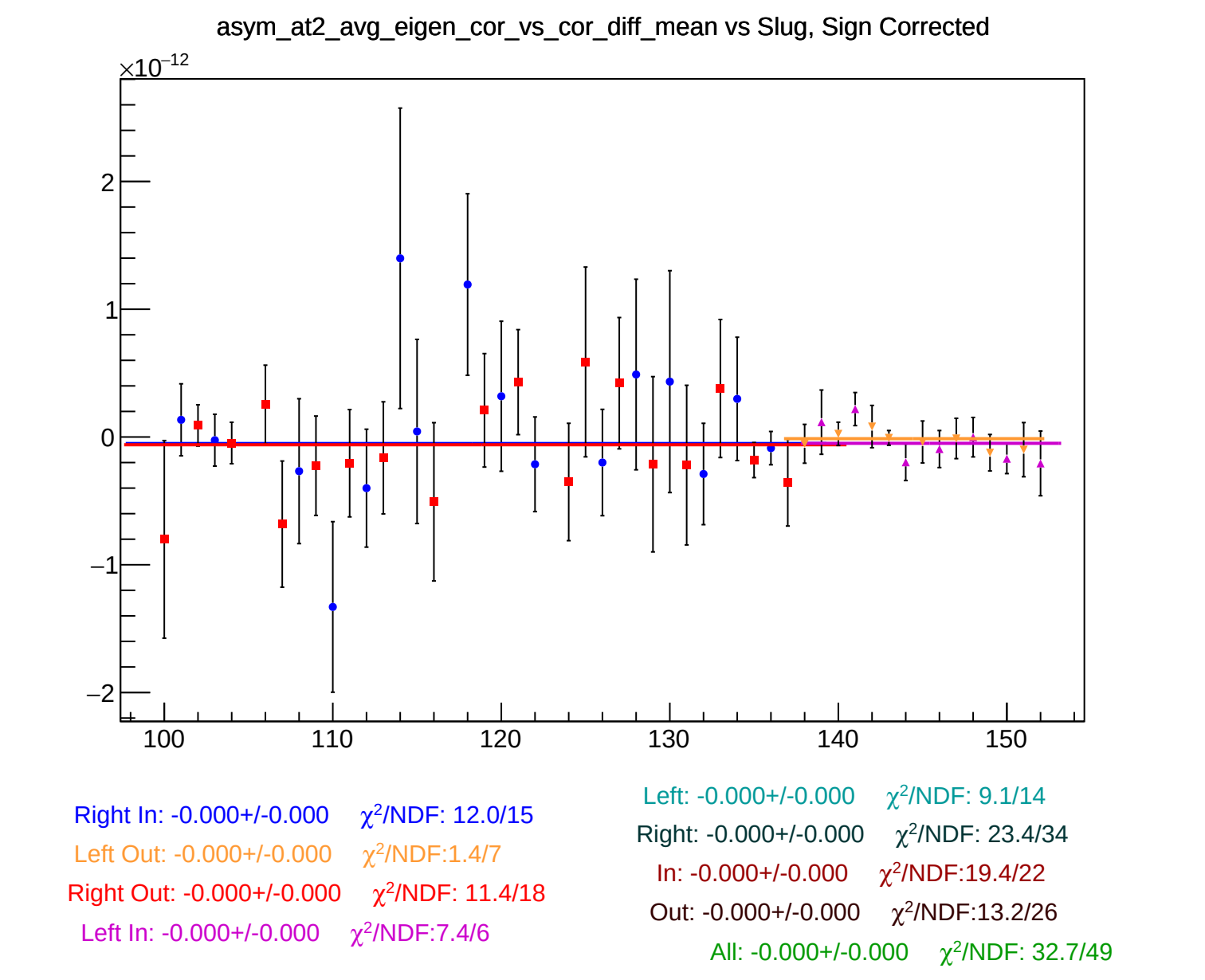
Left: 618.089+/-0.131 χ^2/NDF: 1796288.1/14

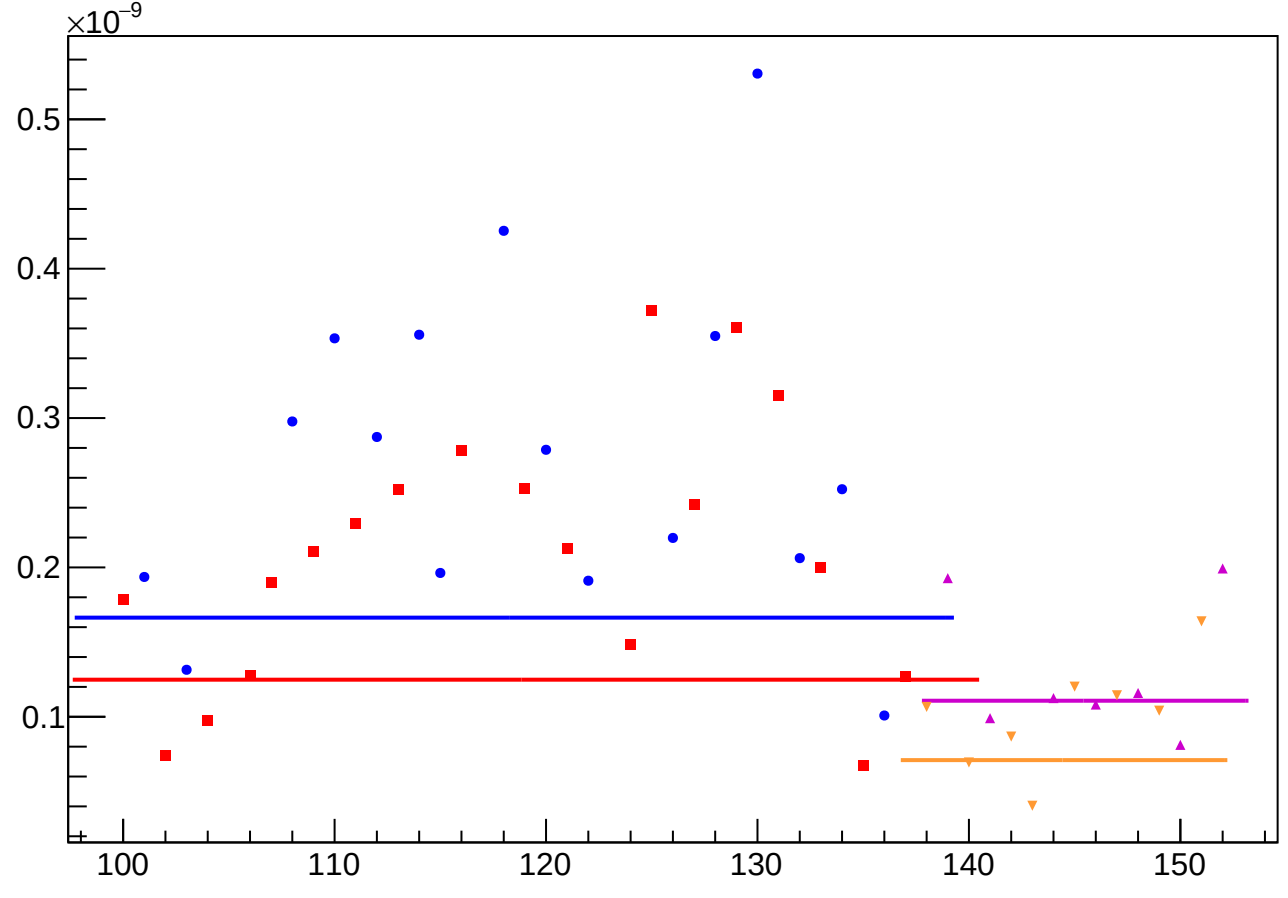
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 364.598+/-0.077 χ^2/NDF:3599526.6/22

Out: 339.053+/-0.076 χ^2/NDF:6079953.6/26

All: 351.656+/-0.054 χ^2/NDF: 9734862.7/49


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:7.4/6
Left: -0.000+/-0.000 χ²/NDF: 9.1/14
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:19.4/22
Out: -0.000+/-0.000 χ²/NDF:13.2/26
All: -0.000+/-0.000 χ²/NDF: 32.7/49



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:604993.0/6

Left: 0.000+/-0.000 χ^2/NDF: 2769220.5/14

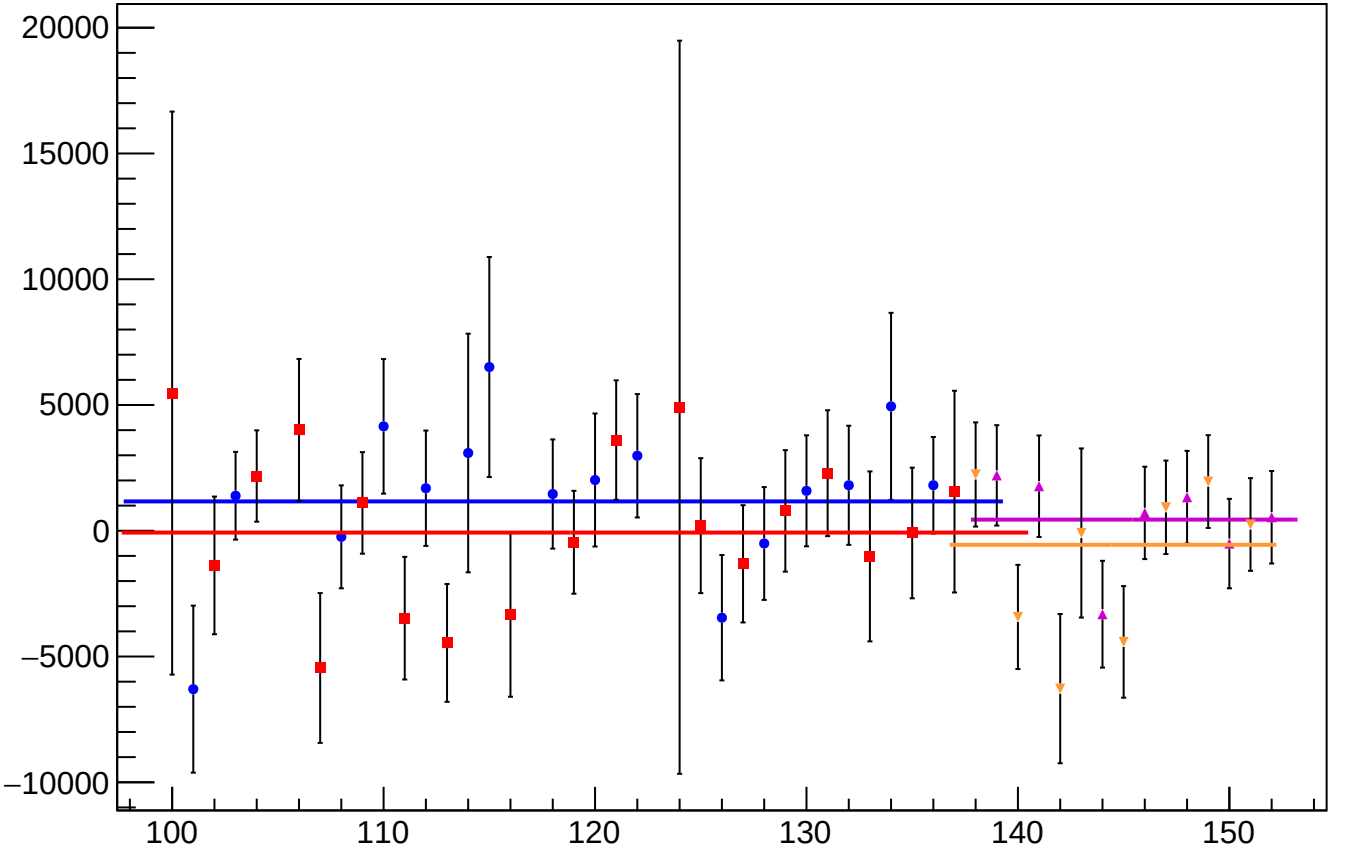
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:3182147.7/22

Out: 0.000+/-0.000 χ^2/NDF:4620912.5/26

All: 0.000+/-0.000 χ^2/NDF: 8958136.0/49

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: 443.336+/-721.416 χ^2/NDF:4.9/6

Left: -34.218+/-521.959 χ^2/NDF: 19.0/14

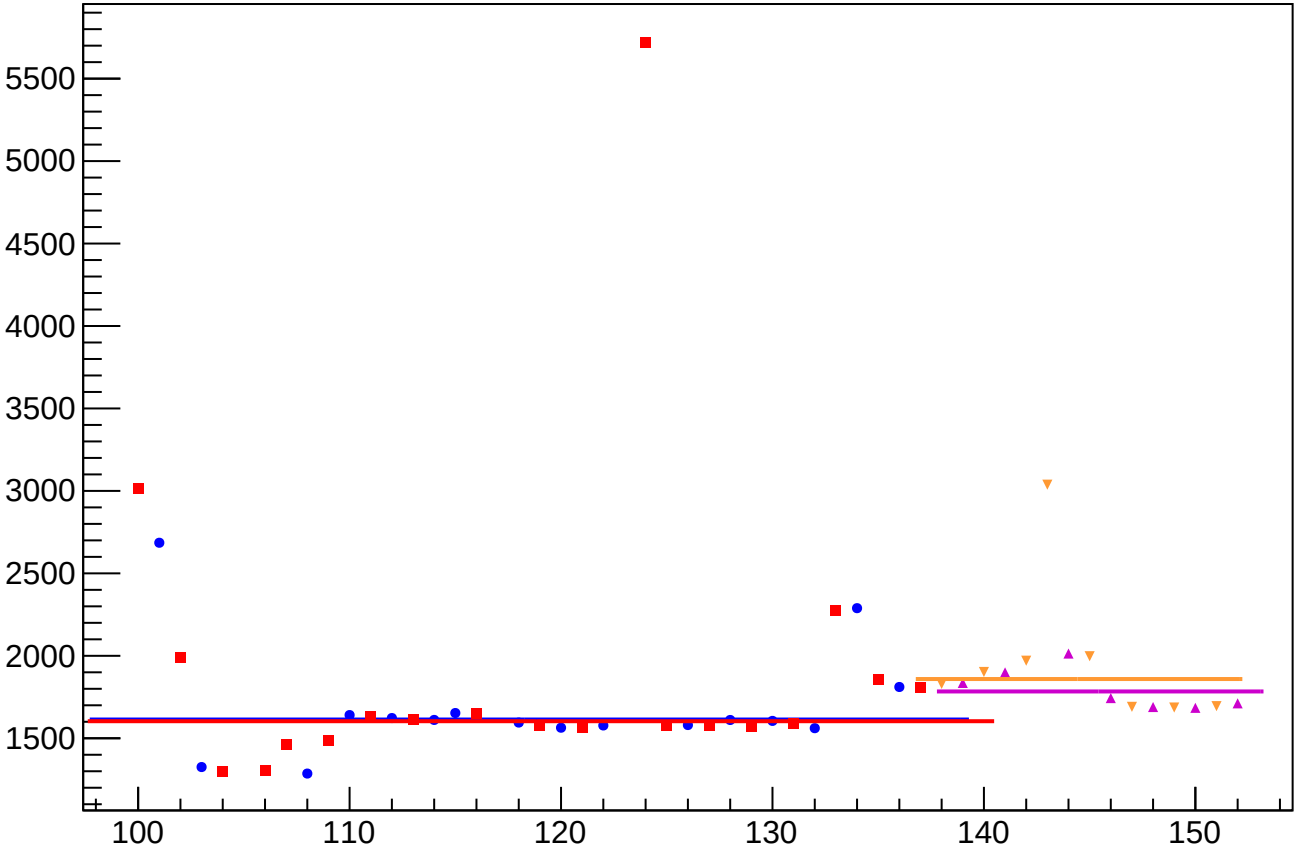
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 865.703+/-465.433 χ^2/NDF:19.9/22

Out: -261.504+/-471.615 χ^2/NDF:31.7/26

All: 309.536+/-331.275 χ^2/NDF: 54.5/49

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: 1783.865+/-0.510 χ^2/NDF:46869.1/6

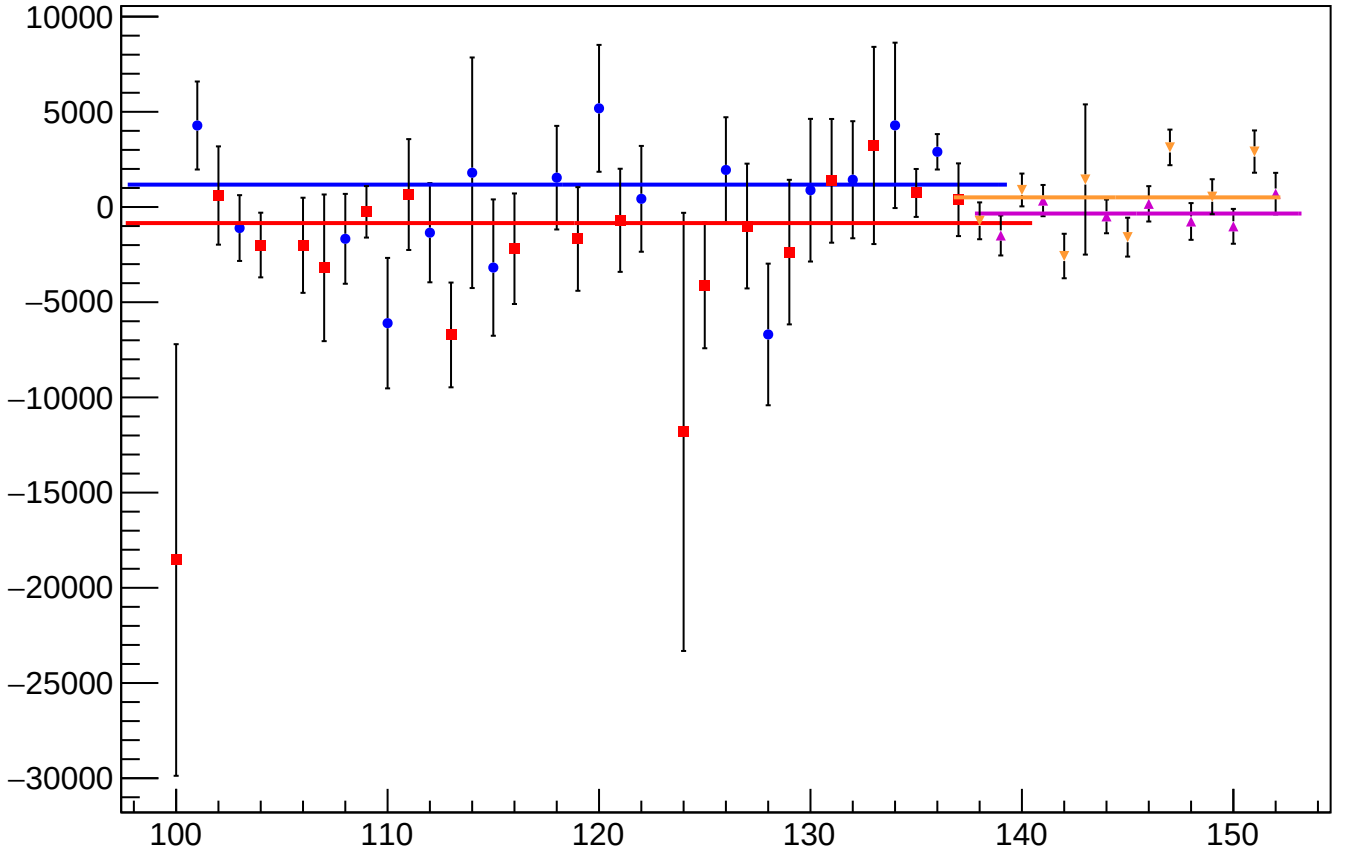
Left: 1819.772+/-0.369 χ^2/NDF: 364746.0/14

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1684.514+/-0.329 χ^2/NDF:516535.9/22

Out: 1702.959+/-0.333 χ^2/NDF:873070.1/26

All: 1693.615+/-0.234 χ^2/NDF: 1391155.9/49



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: -342.848+/-355.026 χ^2/NDF:3.9/6

Left: 64.720+/-256.089 χ^2/NDF: 32.2/14

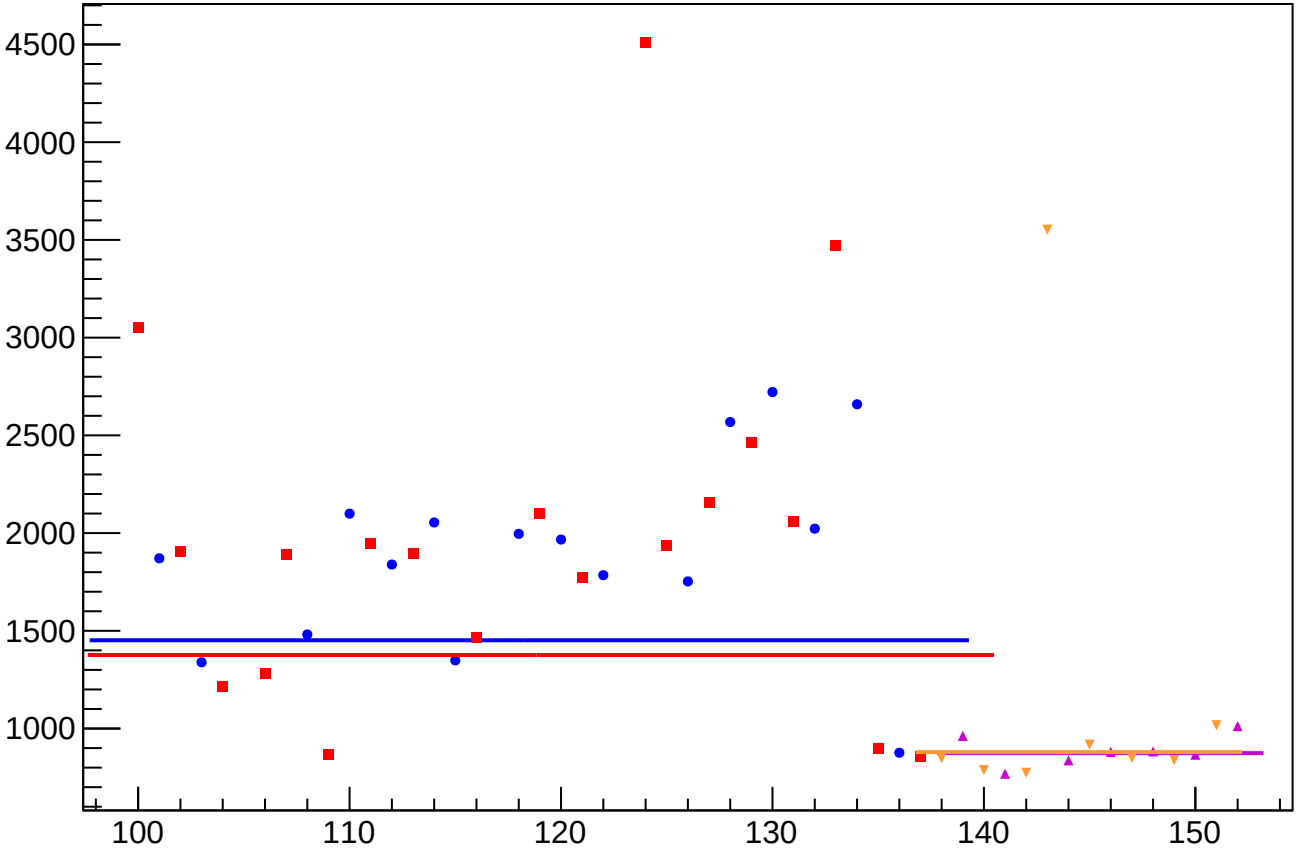
Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 71.962+/-302.669 χ^2/NDF:30.9/22

Out: 94.115+/-308.129 χ^2/NDF:43.9/26

All: 82.841+/-215.924 χ^2/NDF: 74.8/49

asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 879.576+/-0.261 χ^2/NDF:998596.7/7

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 874.242+/-0.251 χ^2/NDF:82949.8/6

Left: 876.801+/-0.181 χ^2/NDF: 1081763.0/14

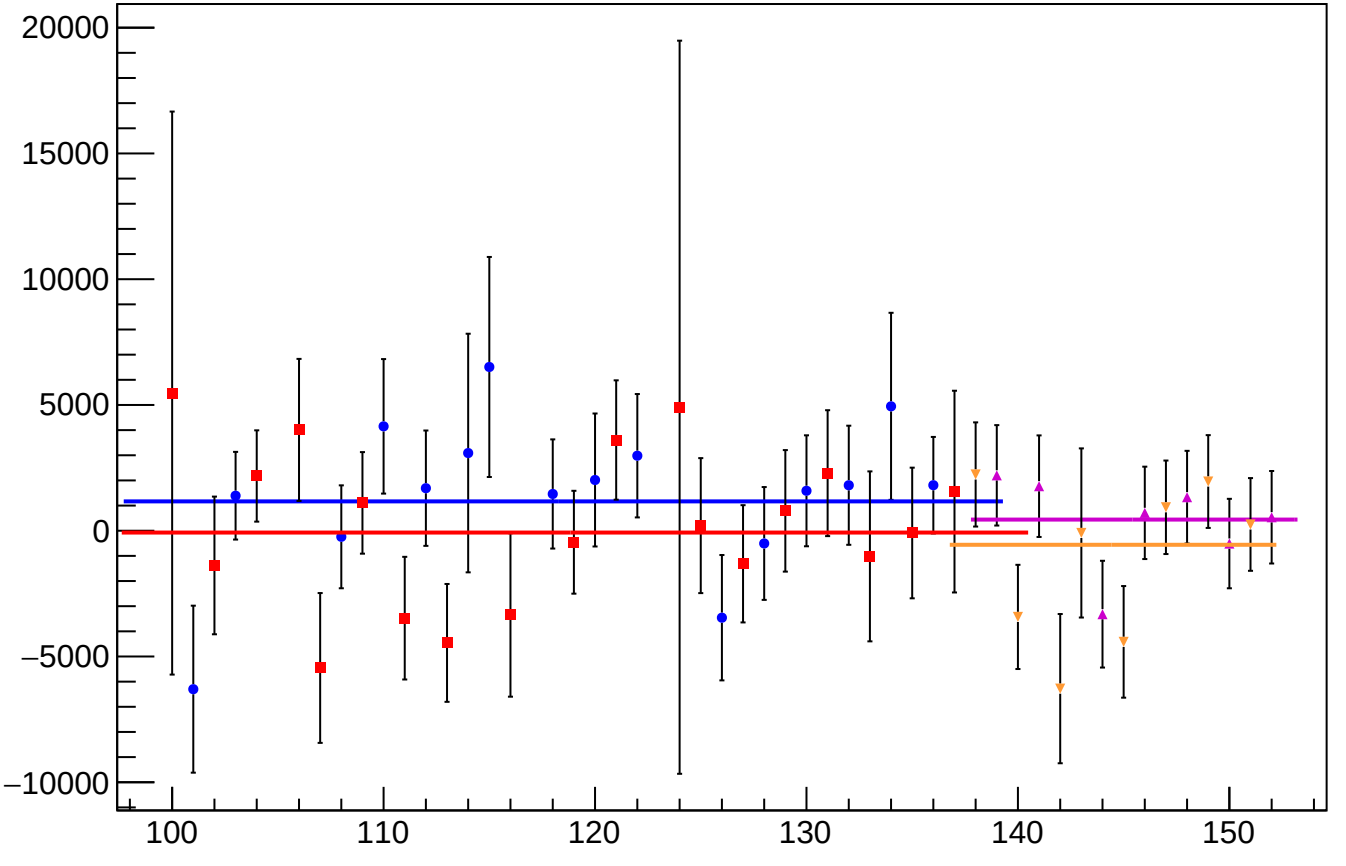
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1031.986+/-0.214 χ^2/NDF:3318998.0/22

Out: 1031.399+/-0.218 χ^2/NDF:4234238.4/26

All: 1031.698+/-0.153 χ^2/NDF: 7553240.1/49

cor_asym_at2_dd_mean vs Slug, Sign Corrected



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: 443.292+/-721.416 χ^2/NDF:4.9/6

Left: -34.290+/-521.959 χ^2/NDF: 19.0/14

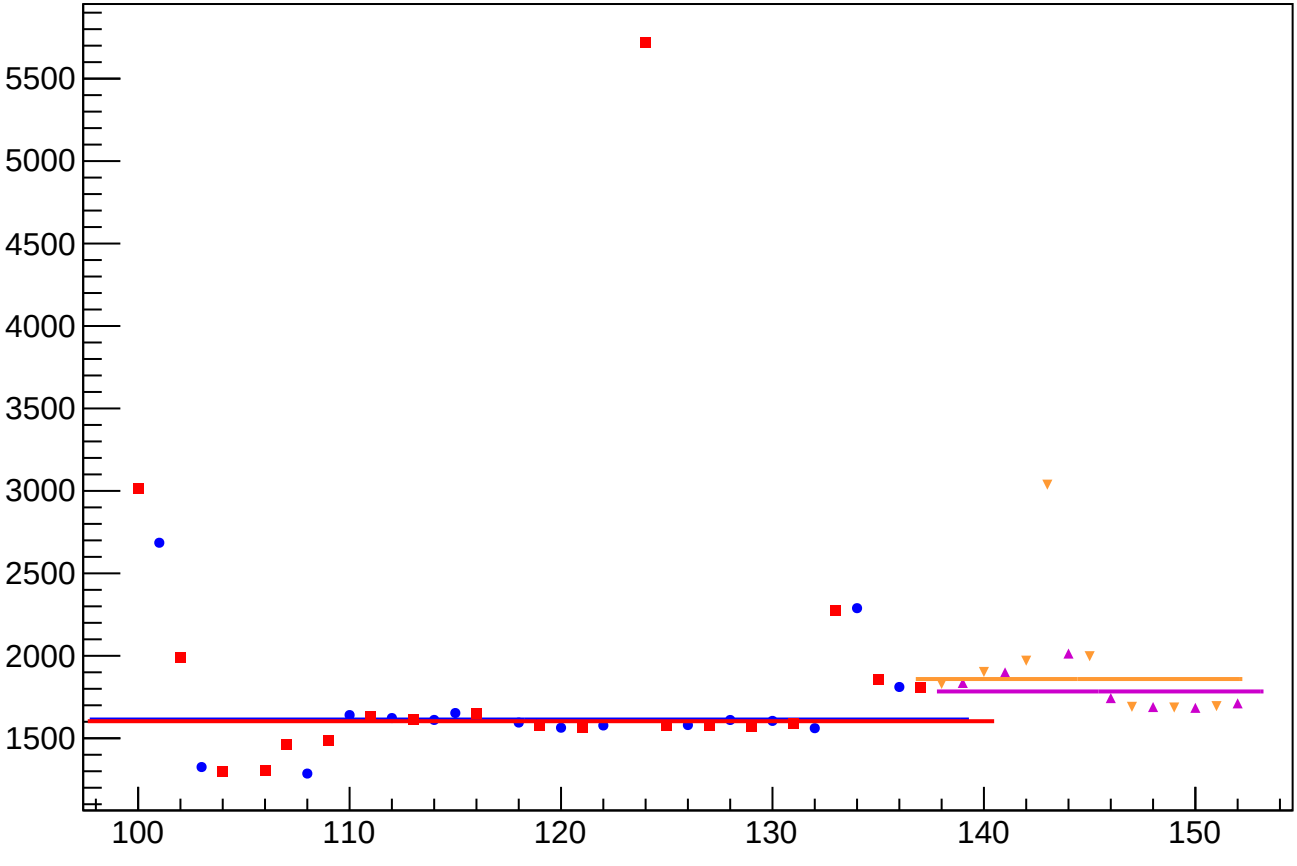
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 865.630+/-465.433 χ^2/NDF:19.9/22

Out: -261.739+/-471.615 χ^2/NDF:31.7/26

All: 309.383+/-331.275 χ^2/NDF: 54.5/49

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: 1783.865+/-0.510 χ^2/NDF:46869.1/6

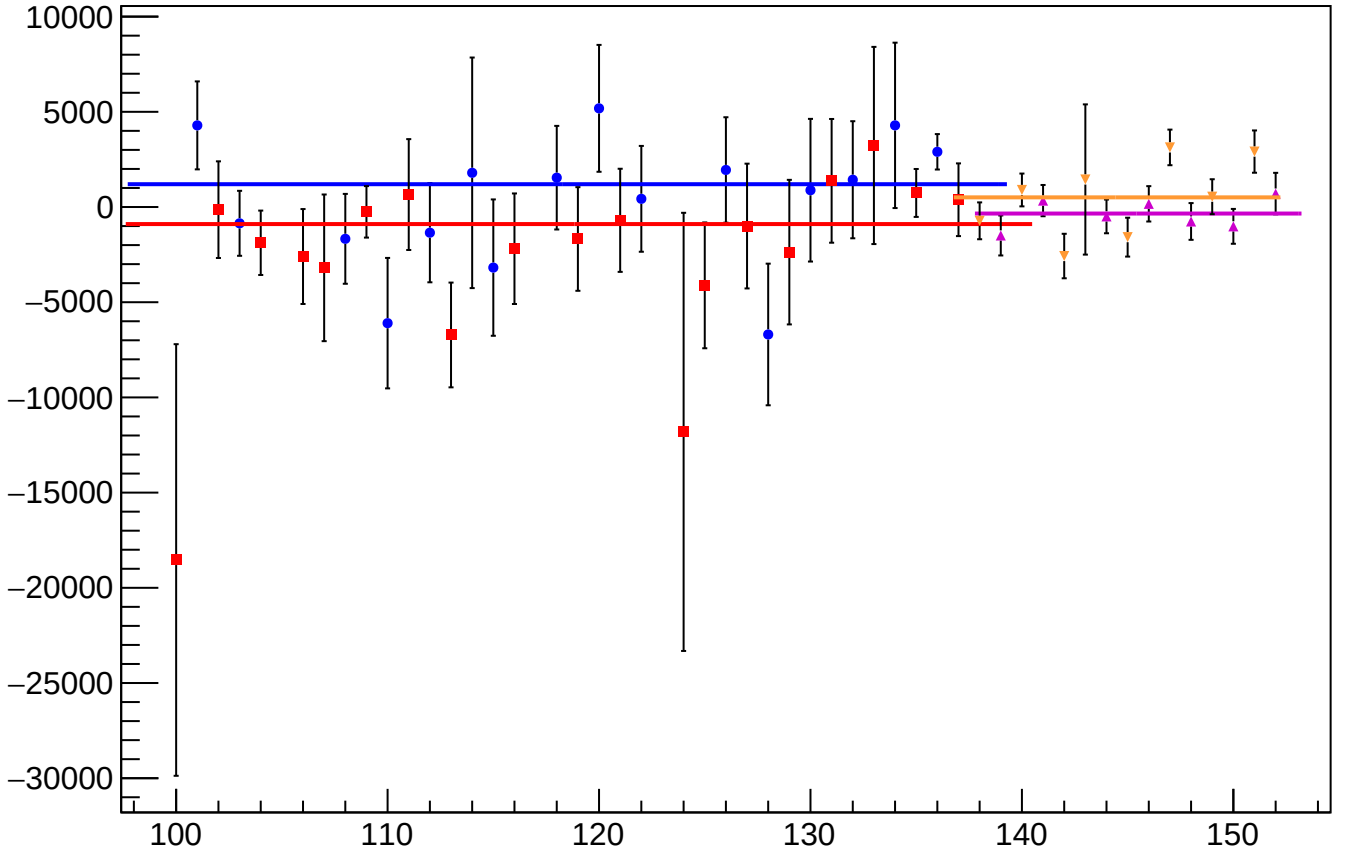
Left: 1819.772+/-0.369 χ^2/NDF: 364746.0/14

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1684.514+/-0.329 χ^2/NDF:516536.3/22

Out: 1702.959+/-0.333 χ^2/NDF:873070.3/26

All: 1693.615+/-0.234 χ^2/NDF: 1391156.4/49



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: -342.869+/-355.024 χ^2/NDF:3.9/6

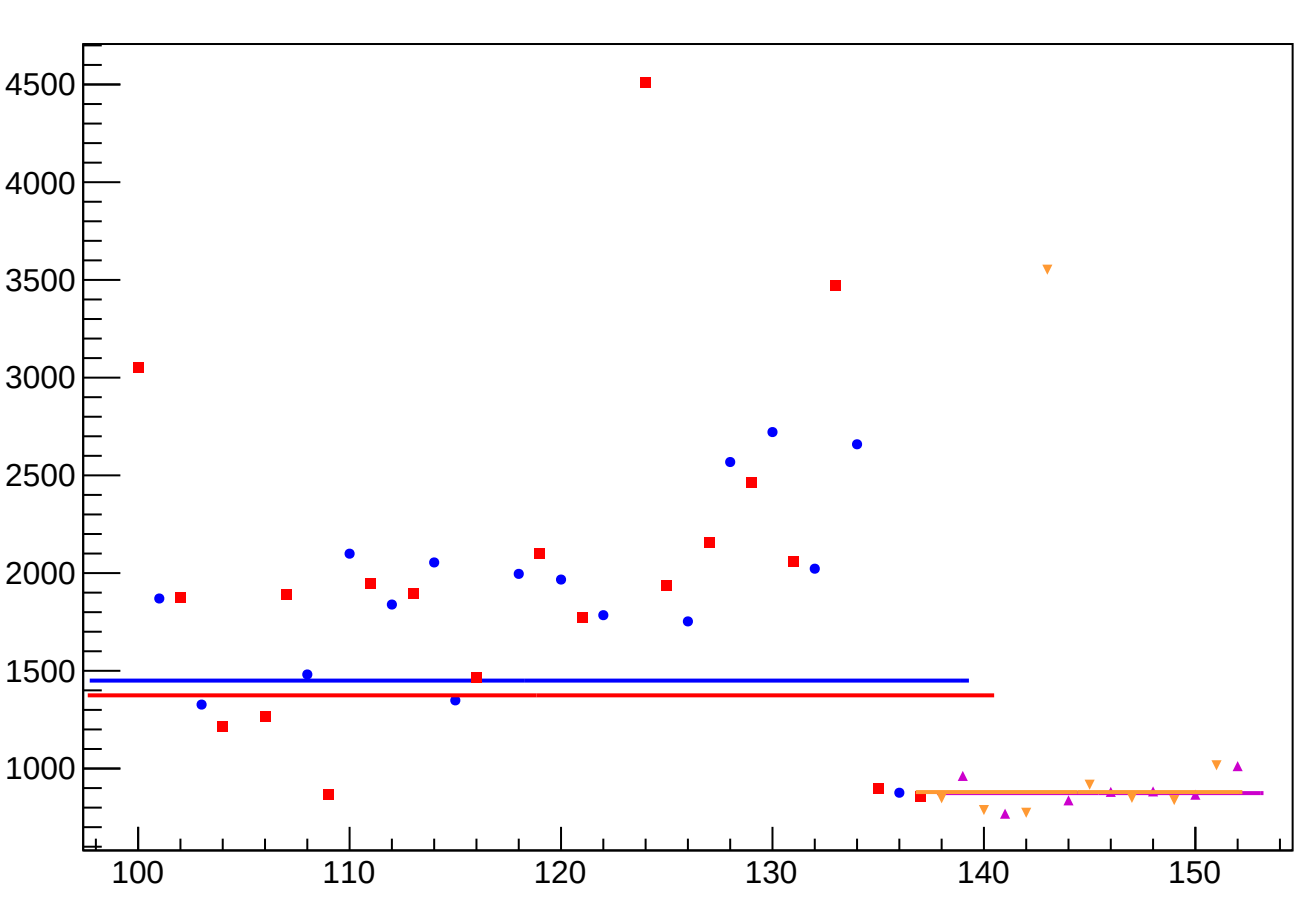
Left: 64.718+/-256.091 χ^2/NDF: 32.2/14

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 79.058+/-302.550 χ^2/NDF:30.7/22

Out: 77.539+/-308.003 χ^2/NDF:44.2/26

All: 78.312+/-215.837 χ^2/NDF: 74.9/49



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: 874.235+/-0.251 χ^2/NDF:82962.4/6

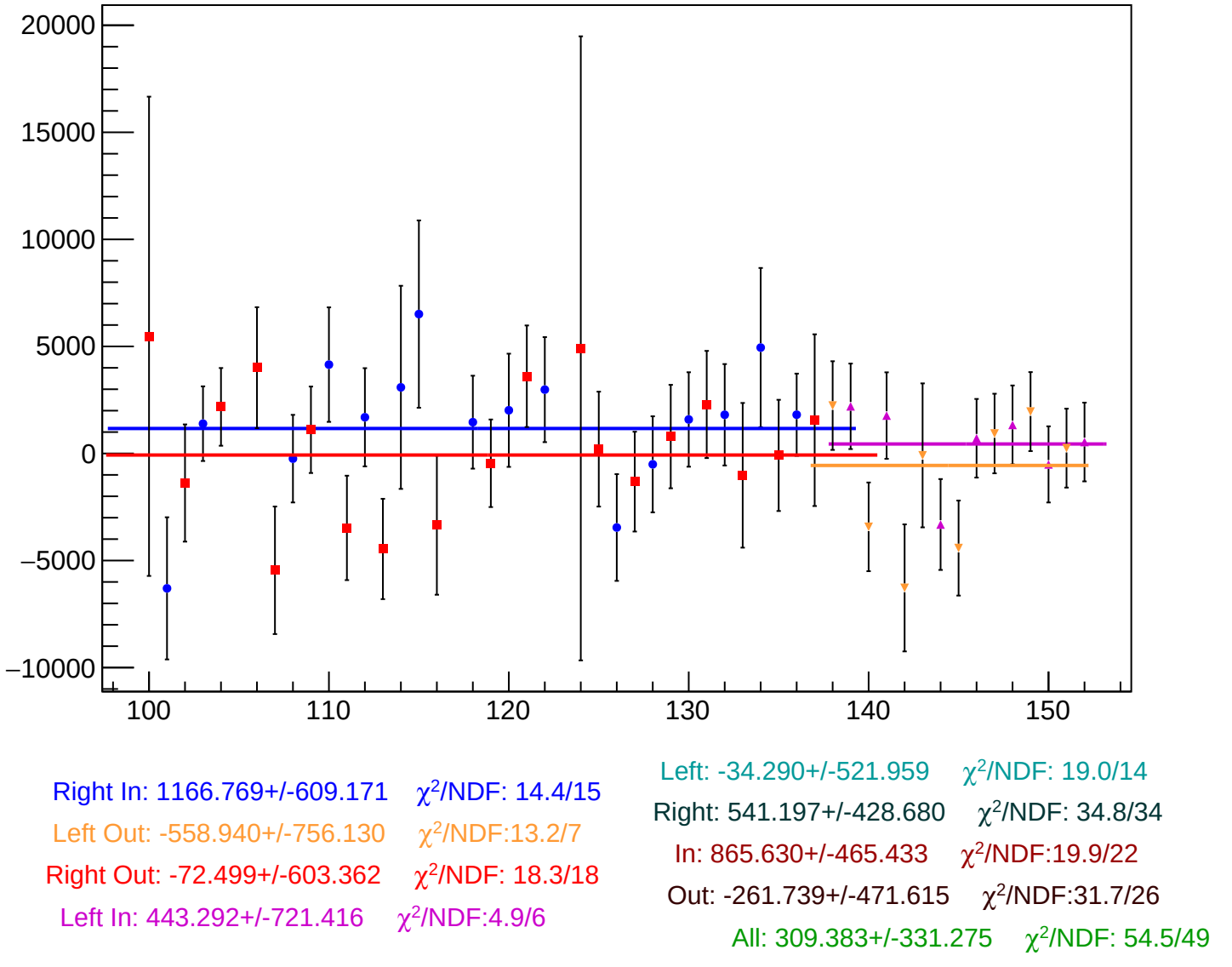
Left: 876.806+/-0.181 χ^2/NDF: 1081731.5/14

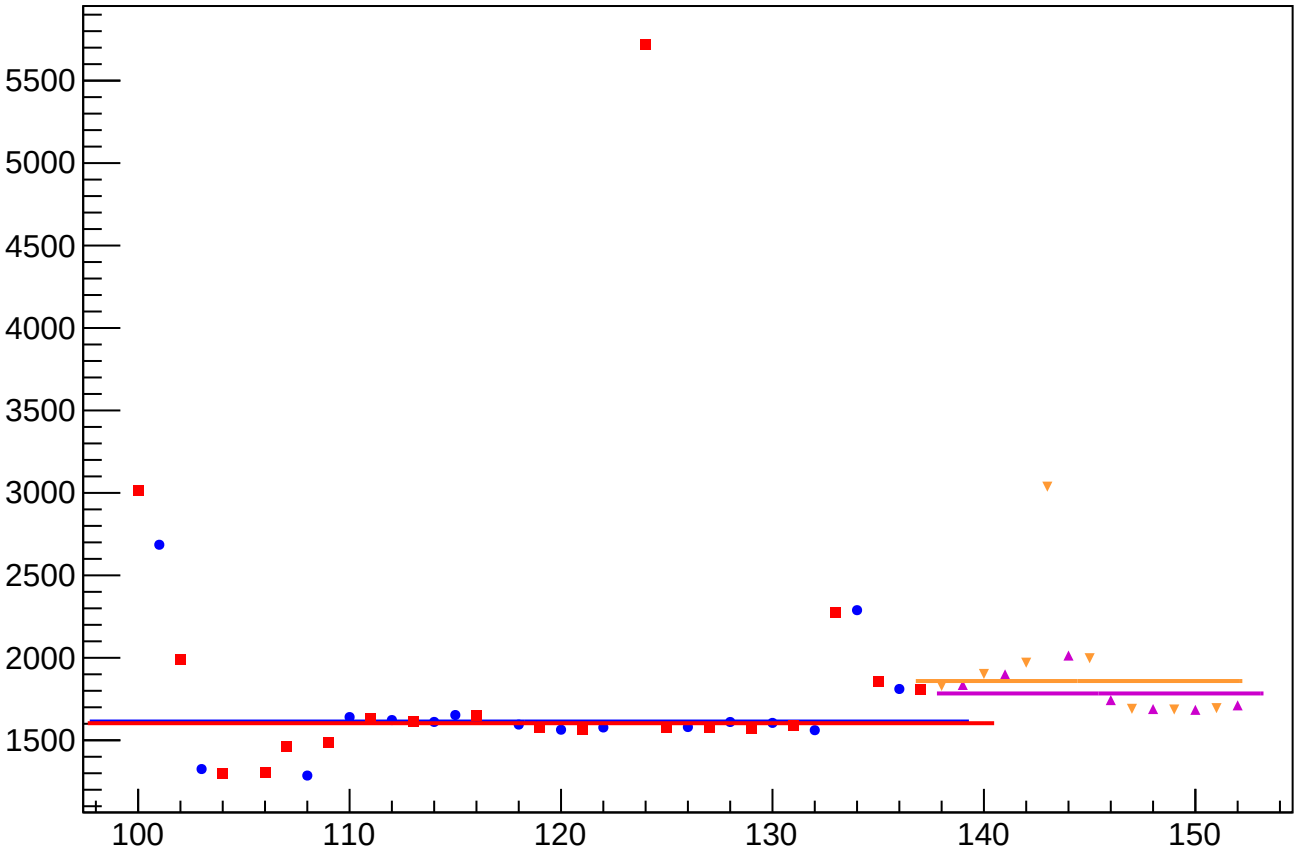
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1031.842+/-0.214 χ^2/NDF:3315389.6/22

Out: 1031.086+/-0.218 χ^2/NDF:4222838.3/26

All: 1031.471+/-0.153 χ^2/NDF: 7538234.1/49


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: 443.292+/-721.416 χ²/NDF:4.9/6
Left: -34.290+/-521.959 χ²/NDF: 19.0/14
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 865.630+/-465.433 χ²/NDF:19.9/22
Out: -261.739+/-471.615 χ²/NDF:31.7/26
All: 309.383+/-331.275 χ²/NDF: 54.5/49



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: 1783.865+/-0.510 χ^2/NDF:46869.1/6

Left: 1819.772+/-0.369 χ^2/NDF: 364746.0/14

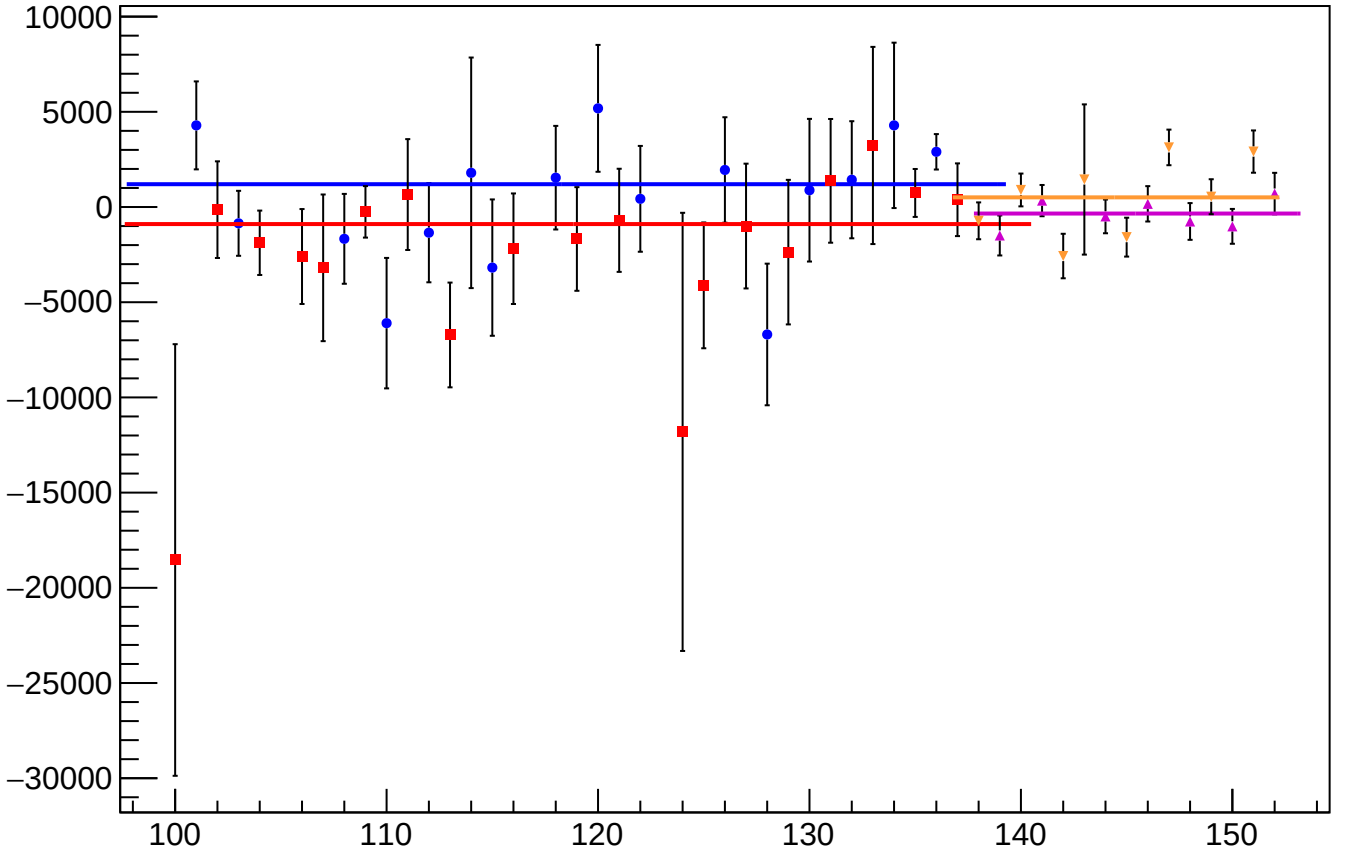
Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1684.514+/-0.329 χ^2/NDF:516536.3/22

Out: 1702.959+/-0.333 χ^2/NDF:873070.3/26

All: 1693.615+/-0.234 χ^2/NDF: 1391156.4/49

asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 506.840+/-369.759 χ^2/NDF:25.6/7

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -342.869+/-355.024 χ^2/NDF:3.9/6

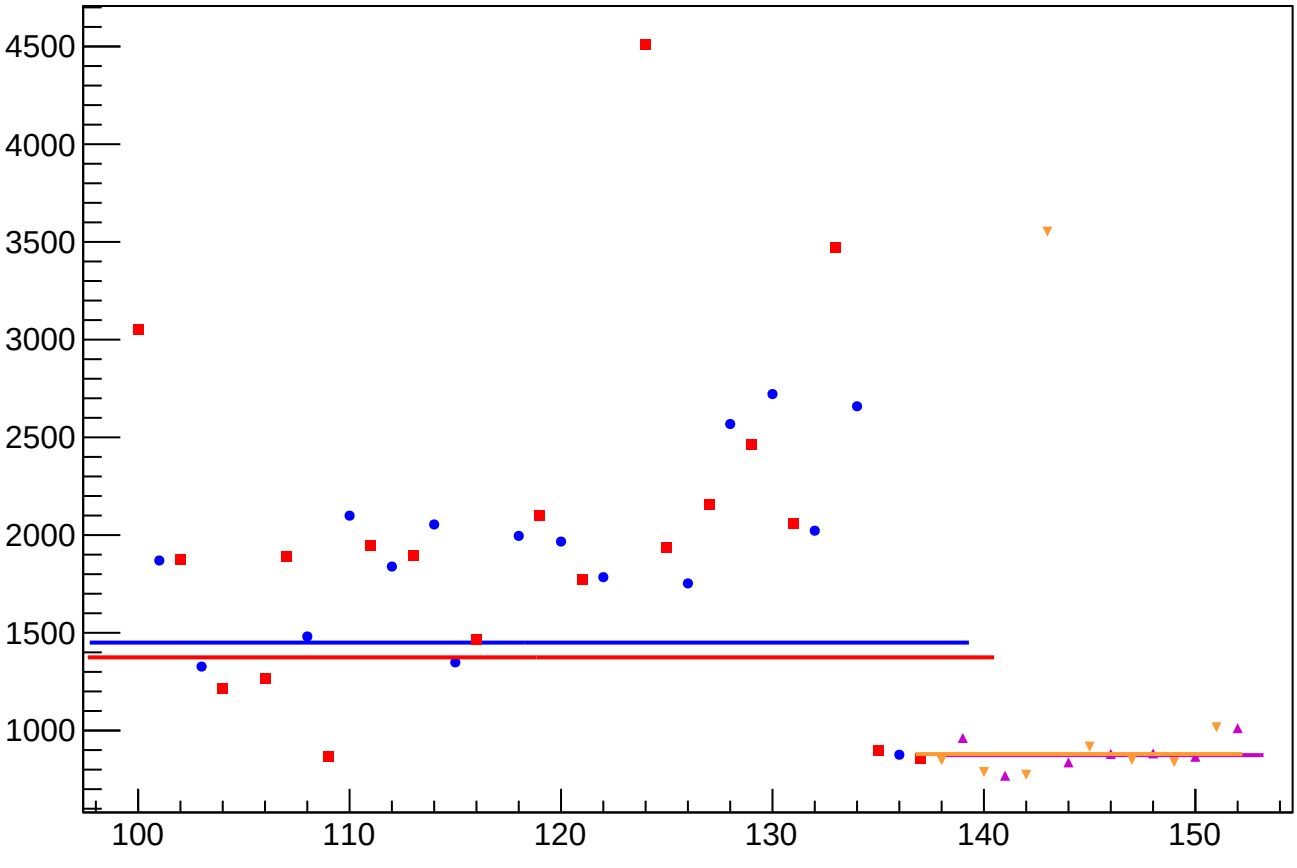
Left: 64.718+/-256.091 χ^2/NDF: 32.2/14

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 79.058+/-302.550 χ^2/NDF:30.7/22

Out: 77.539+/-308.003 χ^2/NDF:44.2/26

All: 78.312+/-215.837 χ^2/NDF: 74.9/49



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: 874.235+/-0.251 χ^2/NDF:82962.4/6

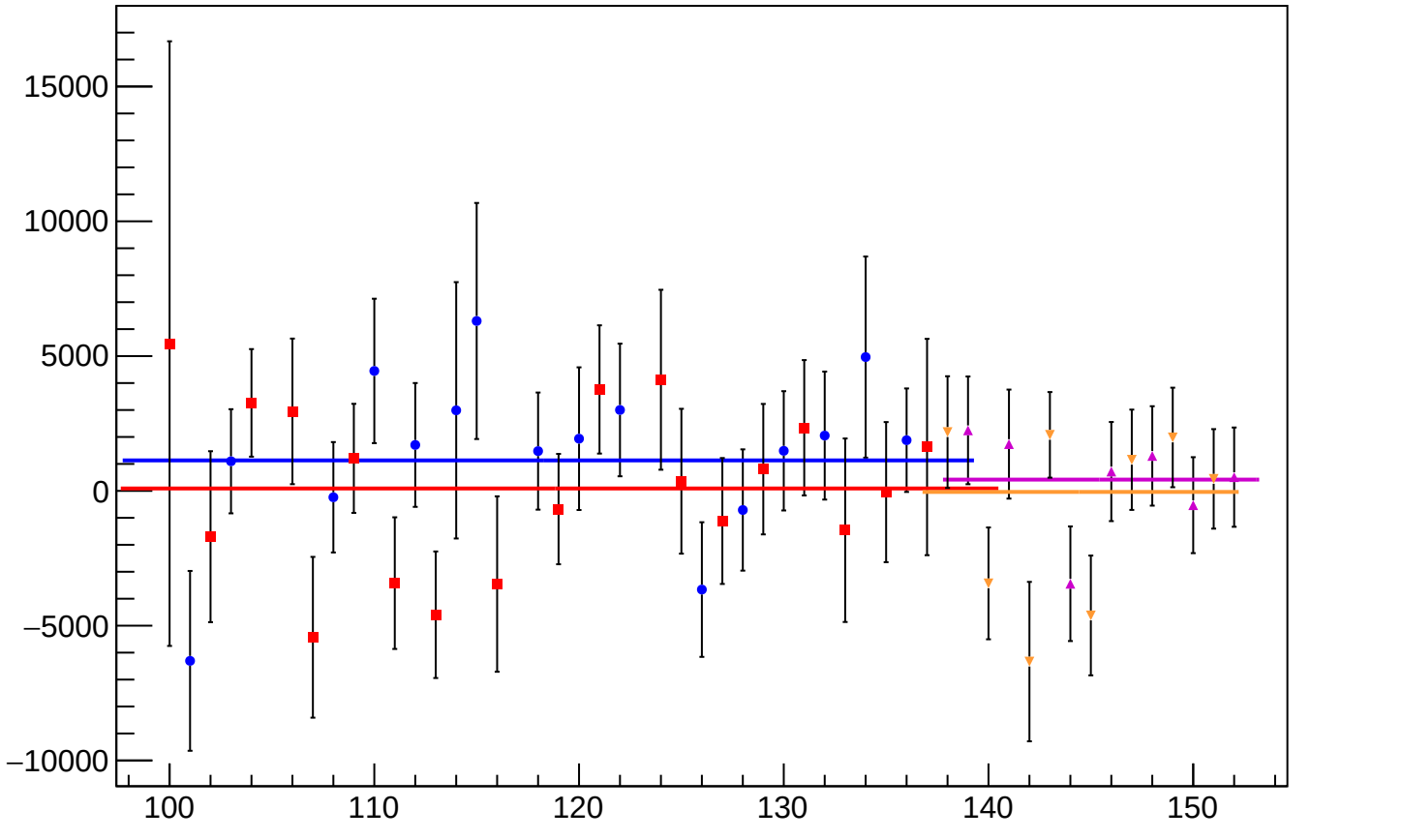
Left: 876.806+/-0.181 χ^2/NDF: 1081731.5/14

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

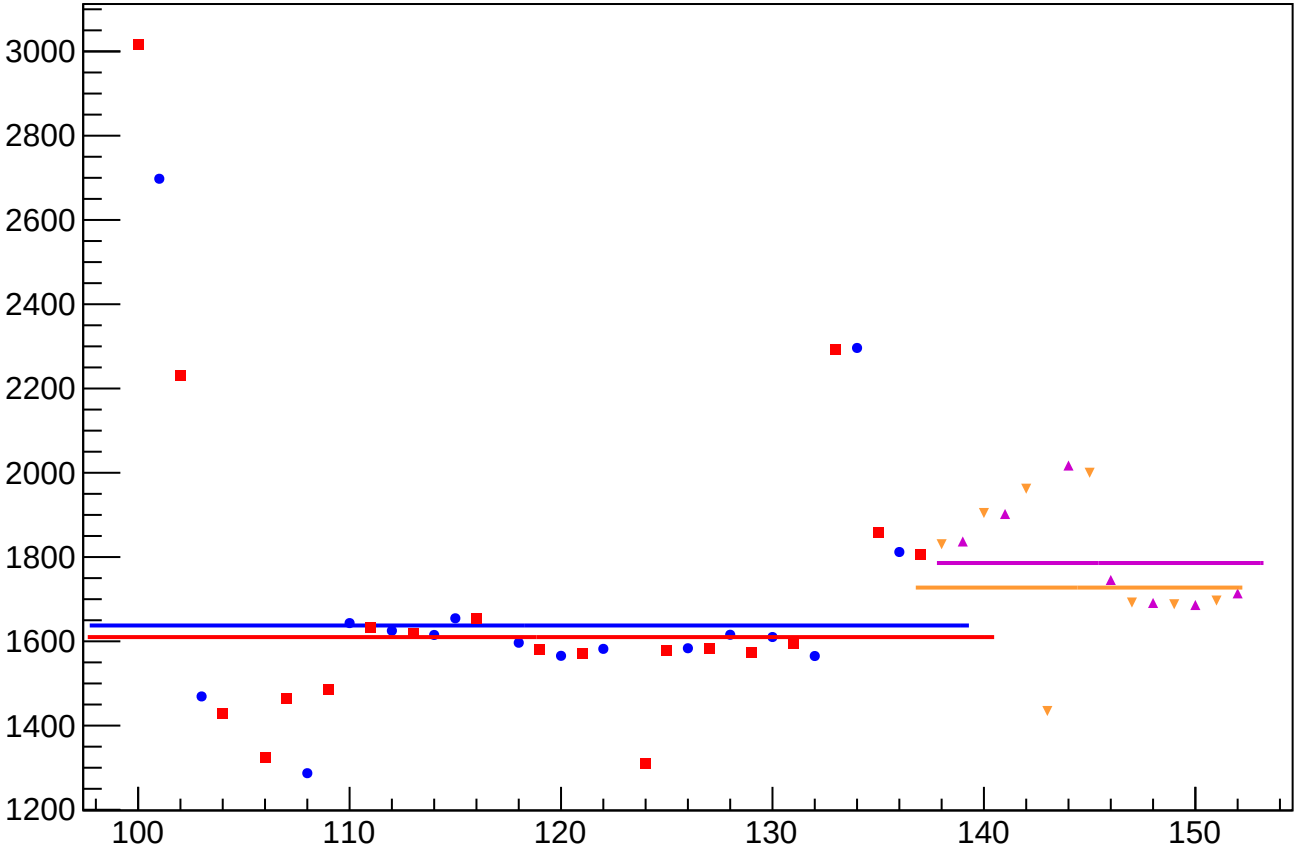
In: 1031.842+/-0.214 χ^2/NDF:3315389.6/22

Out: 1031.086+/-0.218 χ^2/NDF:4222838.3/26

All: 1031.471+/-0.153 χ^2/NDF: 7538234.1/49


dit_asym_at2_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 1130.726+/-617.236 χ²/NDF: 15.0/15
Left Out: -39.088+/-697.595 χ²/NDF:16.1/7
Right Out: 89.220+/-603.072 χ²/NDF: 20.7/18
Left In: 418.087+/-722.236 χ²/NDF:5.1/6
Left: 181.567+/-501.759 χ²/NDF: 21.4/14
Right: 597.886+/-431.357 χ²/NDF: 37.1/34
In: 829.928+/-469.225 χ²/NDF:20.7/22
Out: 34.341+/-456.223 χ²/NDF:36.8/26
All: 420.960+/-327.099 χ²/NDF: 58.9/49

dit_asym_at2_dd_rms vs Slug, Sign Corrected



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: 1785.854+/-0.511 χ^2/NDF:47188.0/6

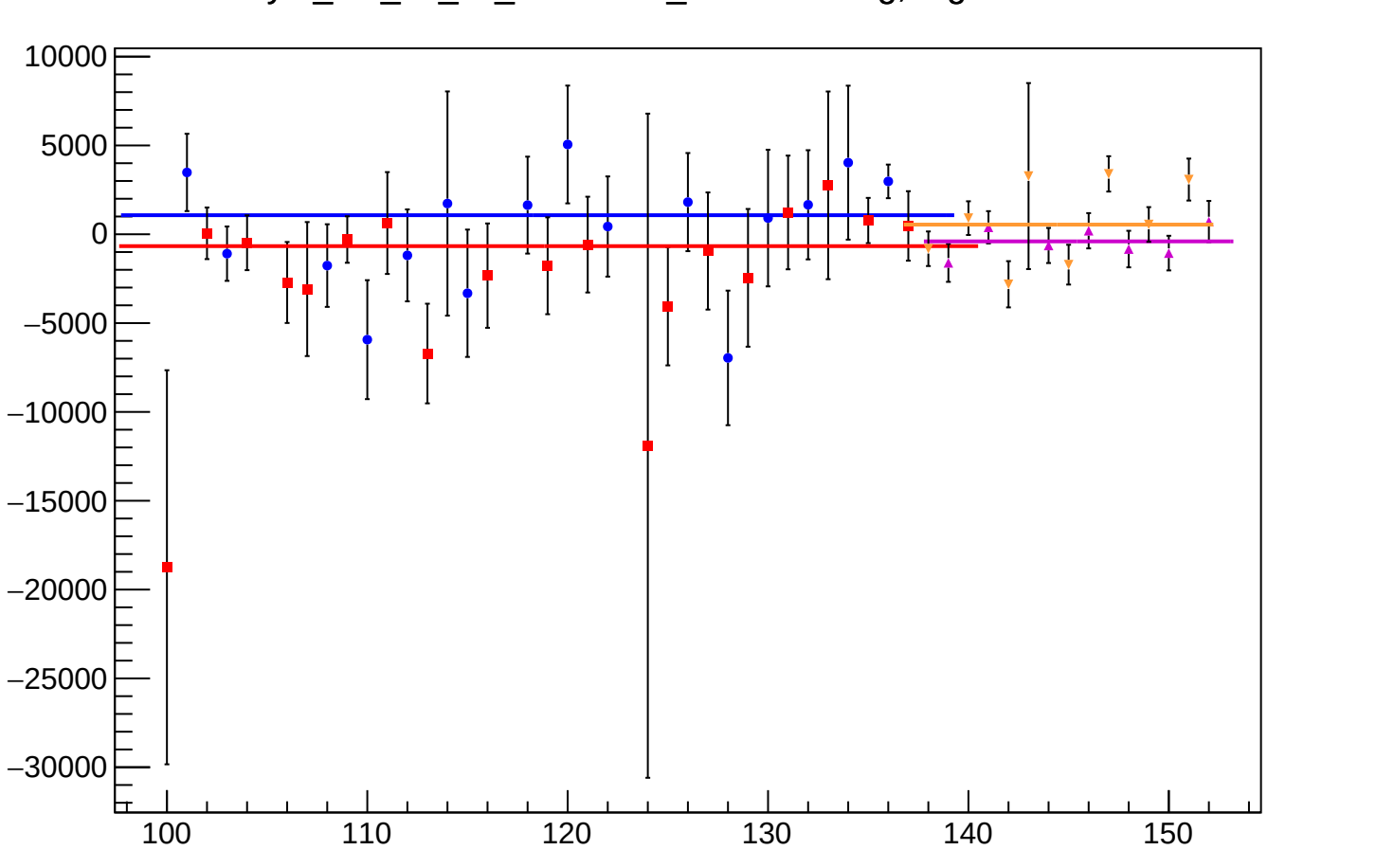
Left: 1755.685+/-0.355 χ^2/NDF: 186367.6/14

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.161+/-0.332 χ^2/NDF:457324.2/22

Out: 1660.297+/-0.323 χ^2/NDF:445717.3/26

All: 1679.669+/-0.231 χ^2/NDF: 910461.9/49



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: -400.149+/-381.762 χ^2/NDF:4.0/6

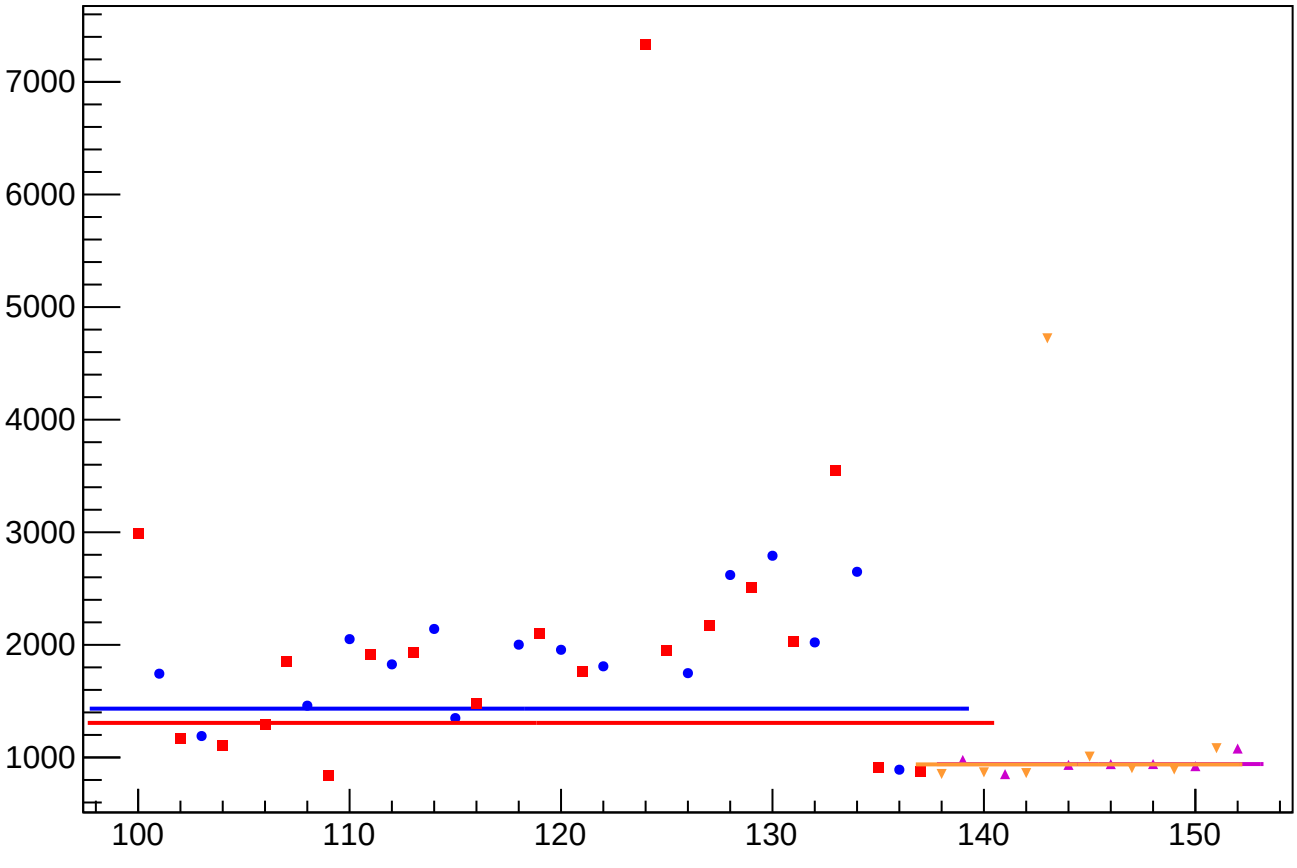
Left: 54.003+/-274.962 χ^2/NDF: 32.9/14

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: 54.448+/-317.468 χ^2/NDF:30.6/22

Out: 102.149+/-315.996 χ^2/NDF:42.9/26

All: 78.410+/-223.962 χ^2/NDF: 73.5/49



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 938.307+/-0.280 χ^2/NDF:1122447.4/7

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 941.336+/-0.270 χ^2/NDF:50662.5/6

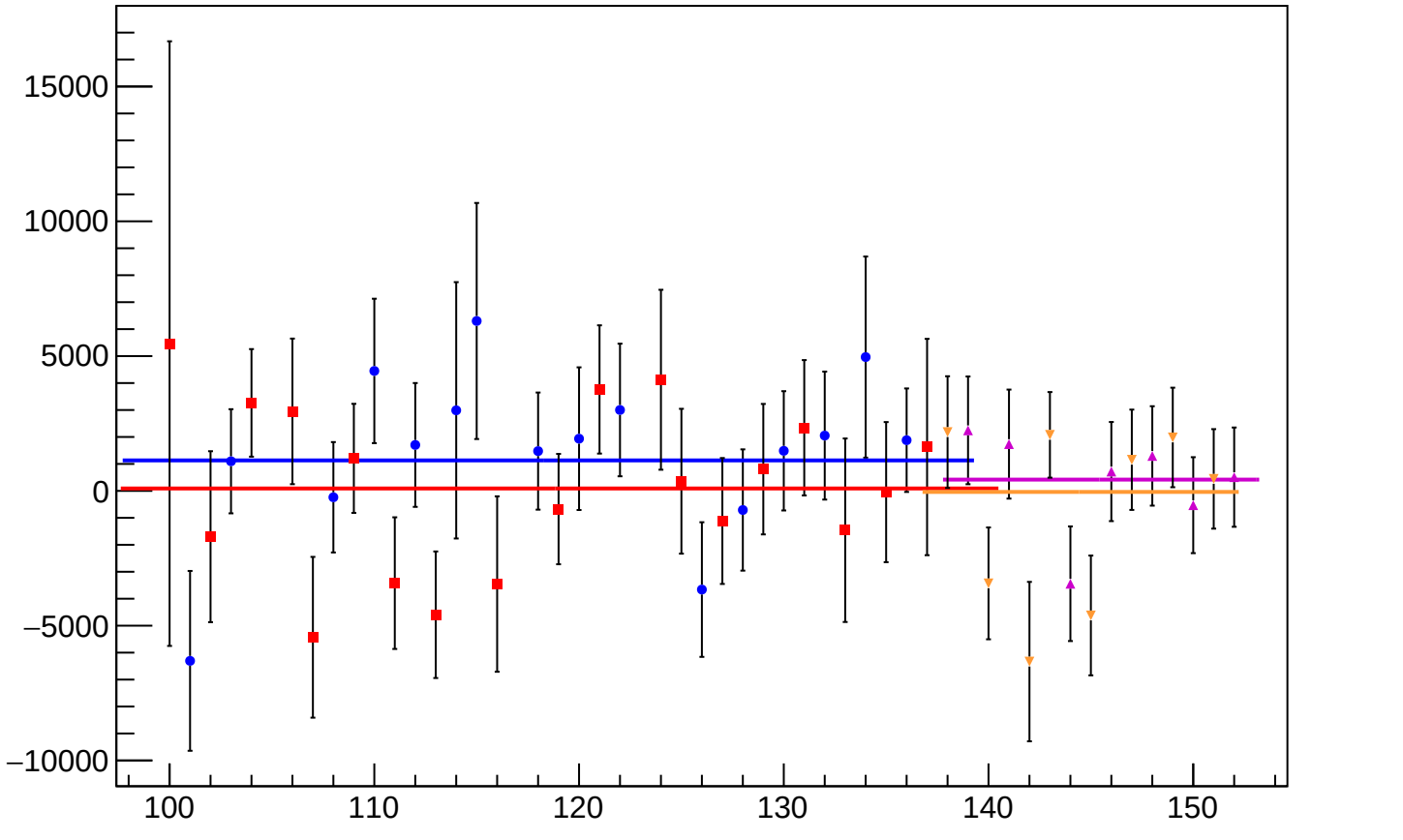
Left: 939.878+/-0.194 χ^2/NDF: 1173170.5/14

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1093.143+/-0.224 χ^2/NDF:2839395.5/22

Out: 1072.607+/-0.223 χ^2/NDF:3936496.9/26

All: 1082.827+/-0.158 χ^2/NDF: 6780096.4/49



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: 418.080+/-722.236 χ^2/NDF:5.1/6

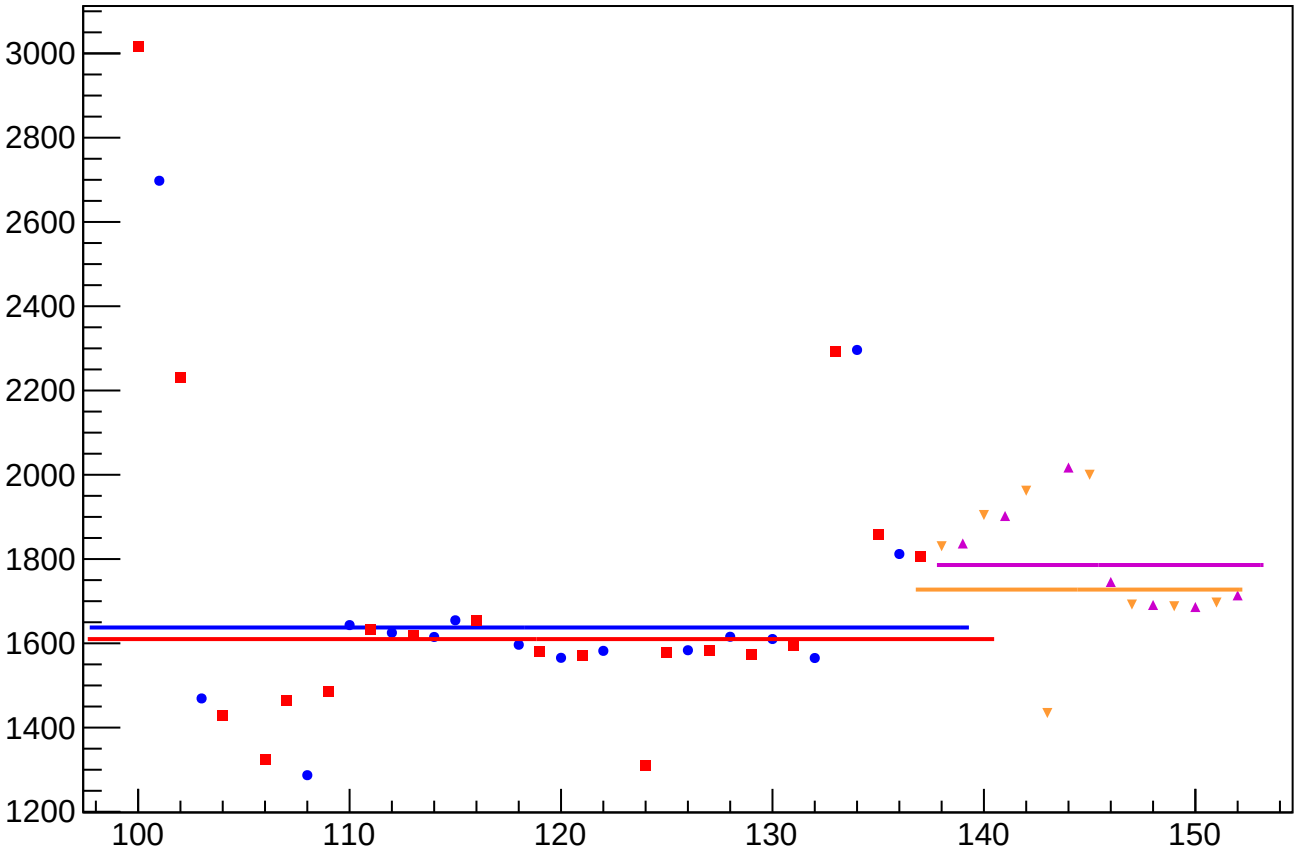
Left: 181.559+/-501.759 χ^2/NDF: 21.4/14

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 829.926+/-469.225 χ^2/NDF:20.7/22

Out: 34.340+/-456.223 χ^2/NDF:36.8/26

All: 420.958+/-327.099 χ^2/NDF: 58.9/49



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: 1785.854+/-0.511 χ^2/NDF:47188.1/6

Left: 1755.685+/-0.355 χ^2/NDF: 186366.5/14

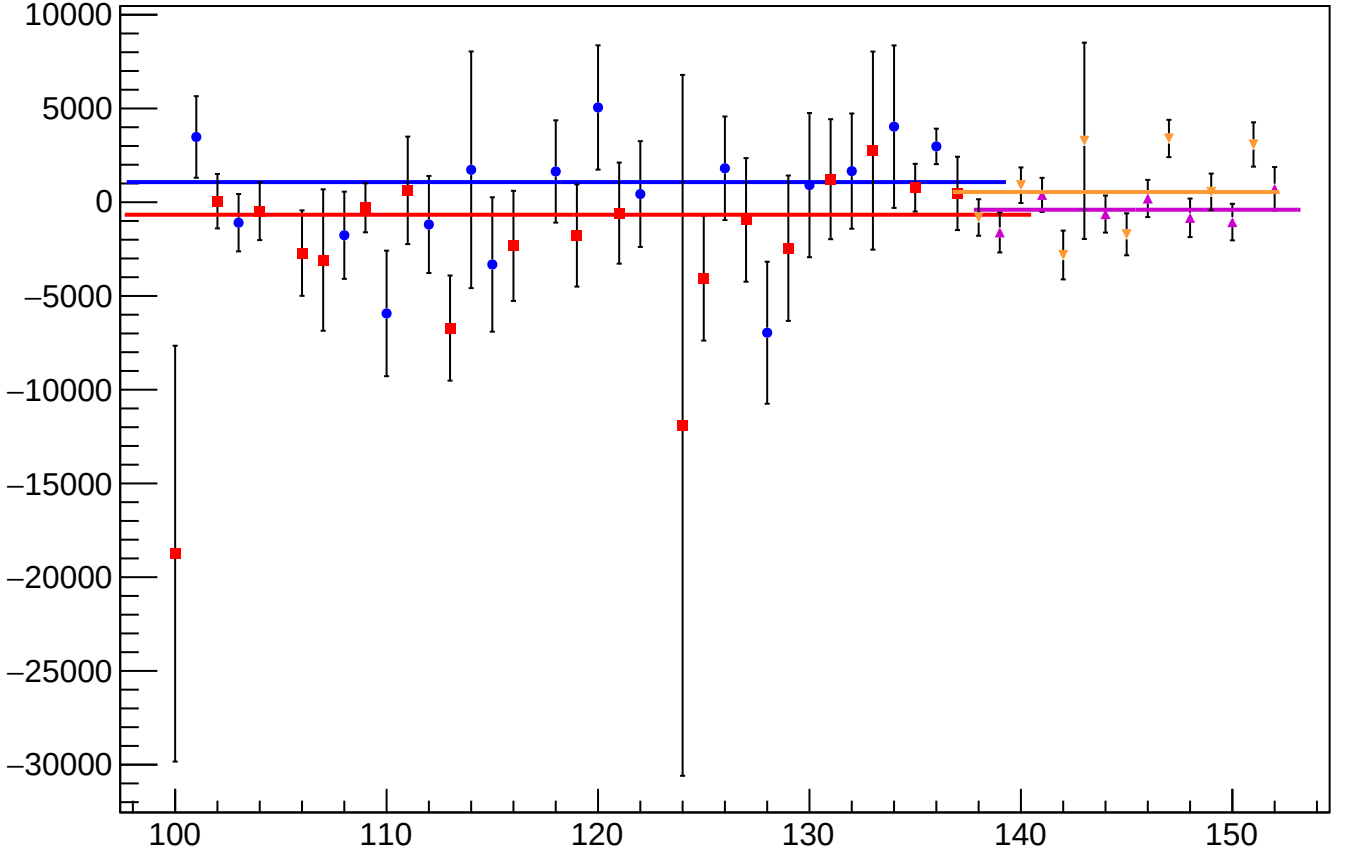
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.161+/-0.332 χ^2/NDF:457324.1/22

Out: 1660.298+/-0.323 χ^2/NDF:445716.7/26

All: 1679.669+/-0.231 χ^2/NDF: 910461.3/49

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: -400.151+/-381.763 χ^2/NDF:4.0/6

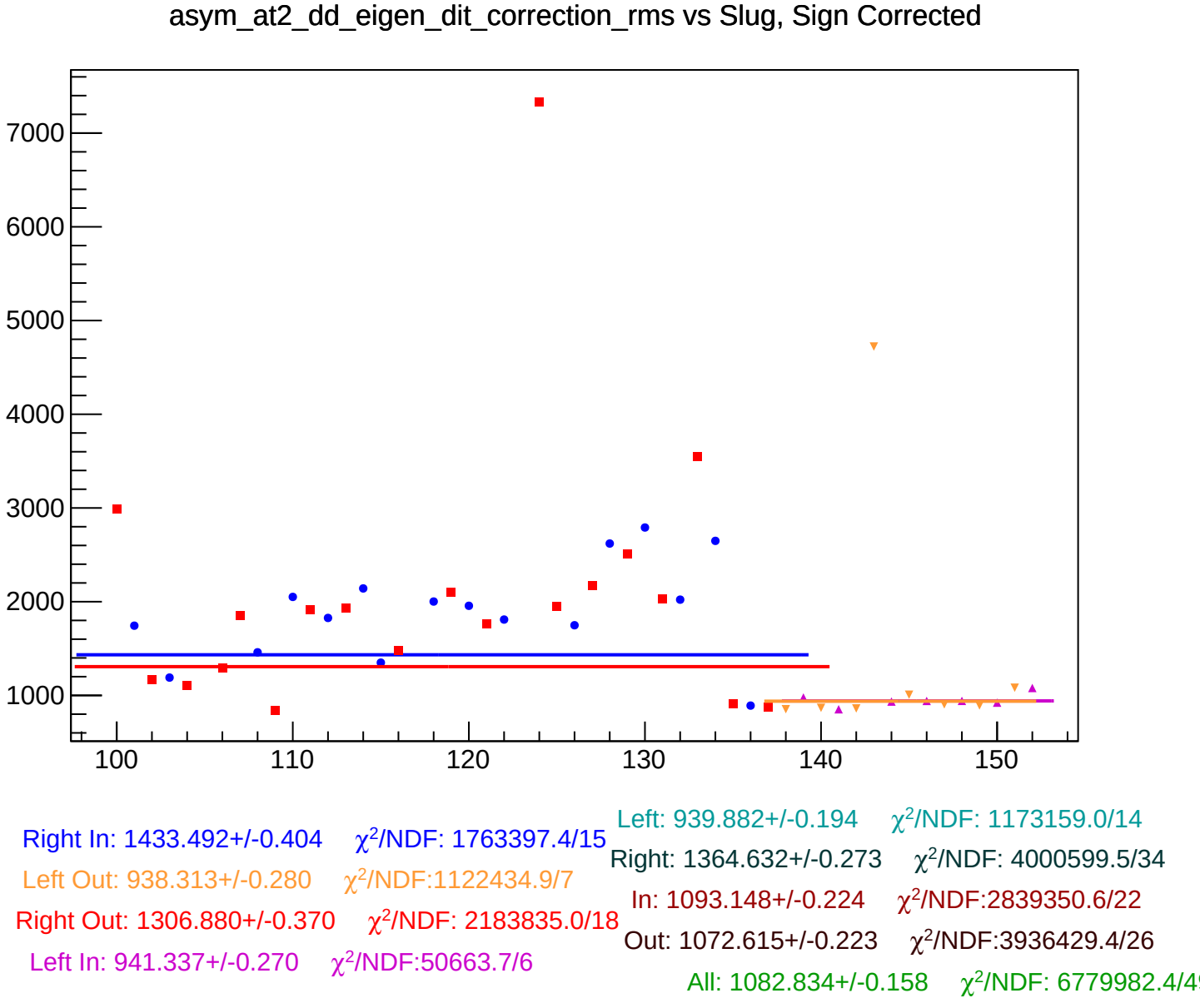
Left: 54.007+/-274.963 χ^2/NDF: 32.9/14

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

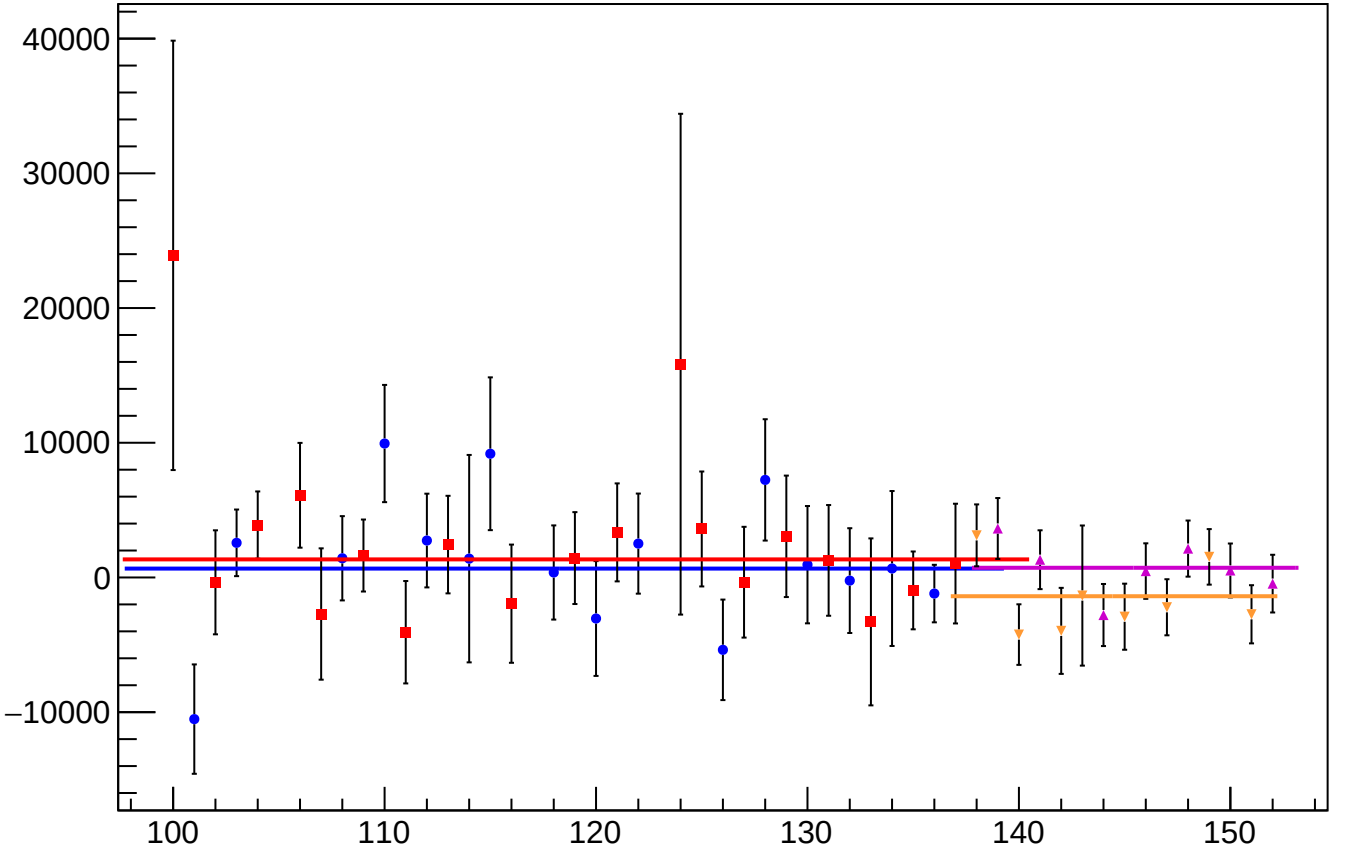
In: 54.440+/-317.469 χ^2/NDF:30.6/22

Out: 102.155+/-315.998 χ^2/NDF:42.9/26

All: 78.408+/-223.963 χ^2/NDF: 73.5/49


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: 941.337+/-0.270 χ²/NDF:50663.7/6
Left: 939.882+/-0.194 χ²/NDF: 1173159.0/14
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1093.148+/-0.224 χ²/NDF:2839350.6/22
Out: 1072.615+/-0.223 χ²/NDF:3936429.4/26
All: 1082.834+/-0.158 χ²/NDF: 6779982.4/49

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: 718.938+/-809.195 χ^2/NDF:4.8/6

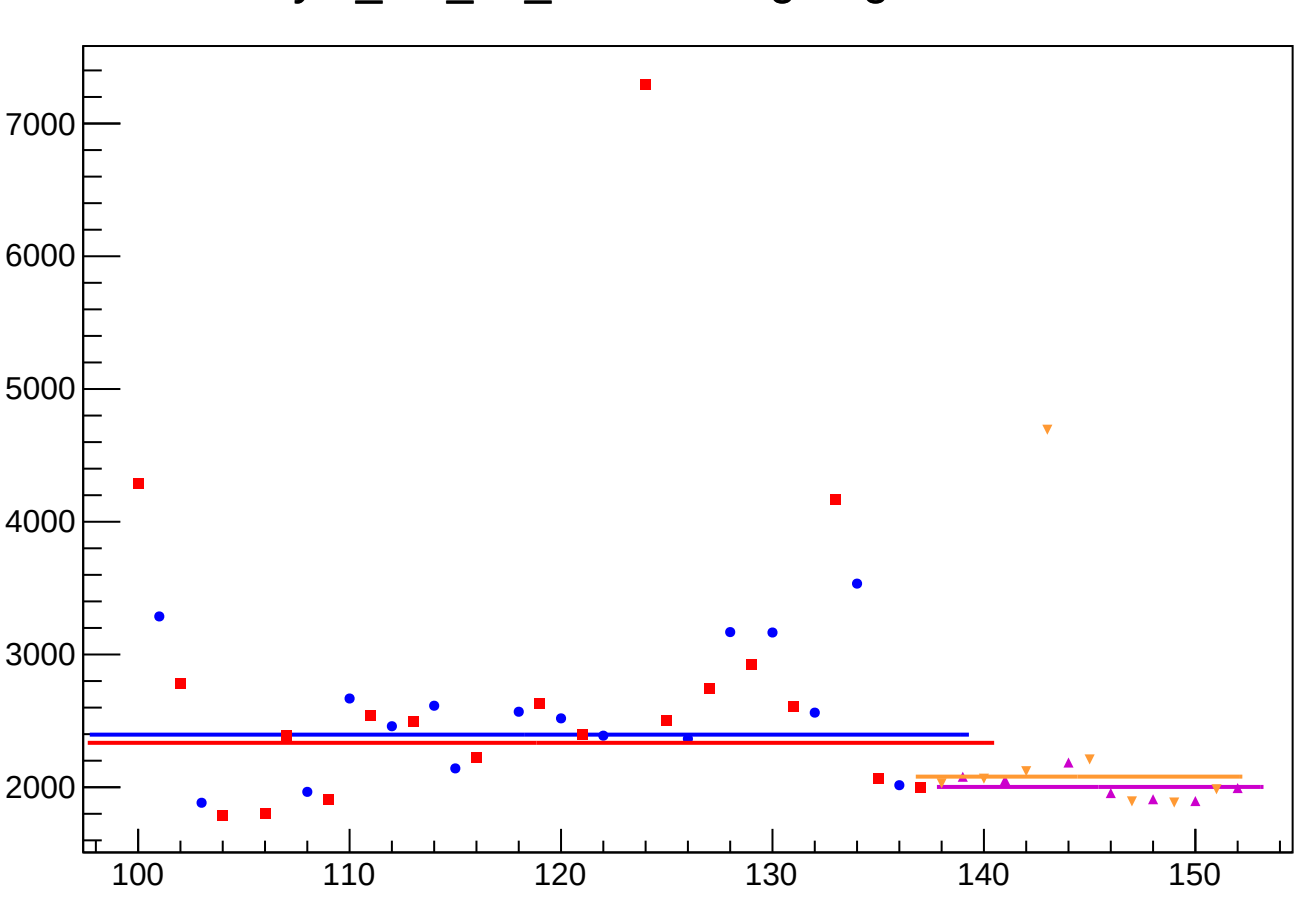
Left: -279.116+/-587.602 χ^2/NDF: 17.1/14

Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 692.660+/-604.573 χ^2/NDF:26.8/22

Out: -81.488+/-616.642 χ^2/NDF:24.8/26

All: 313.236+/-431.701 χ^2/NDF: 52.4/49



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: 2002.397+/-0.572 χ^2/NDF:26806.2/6

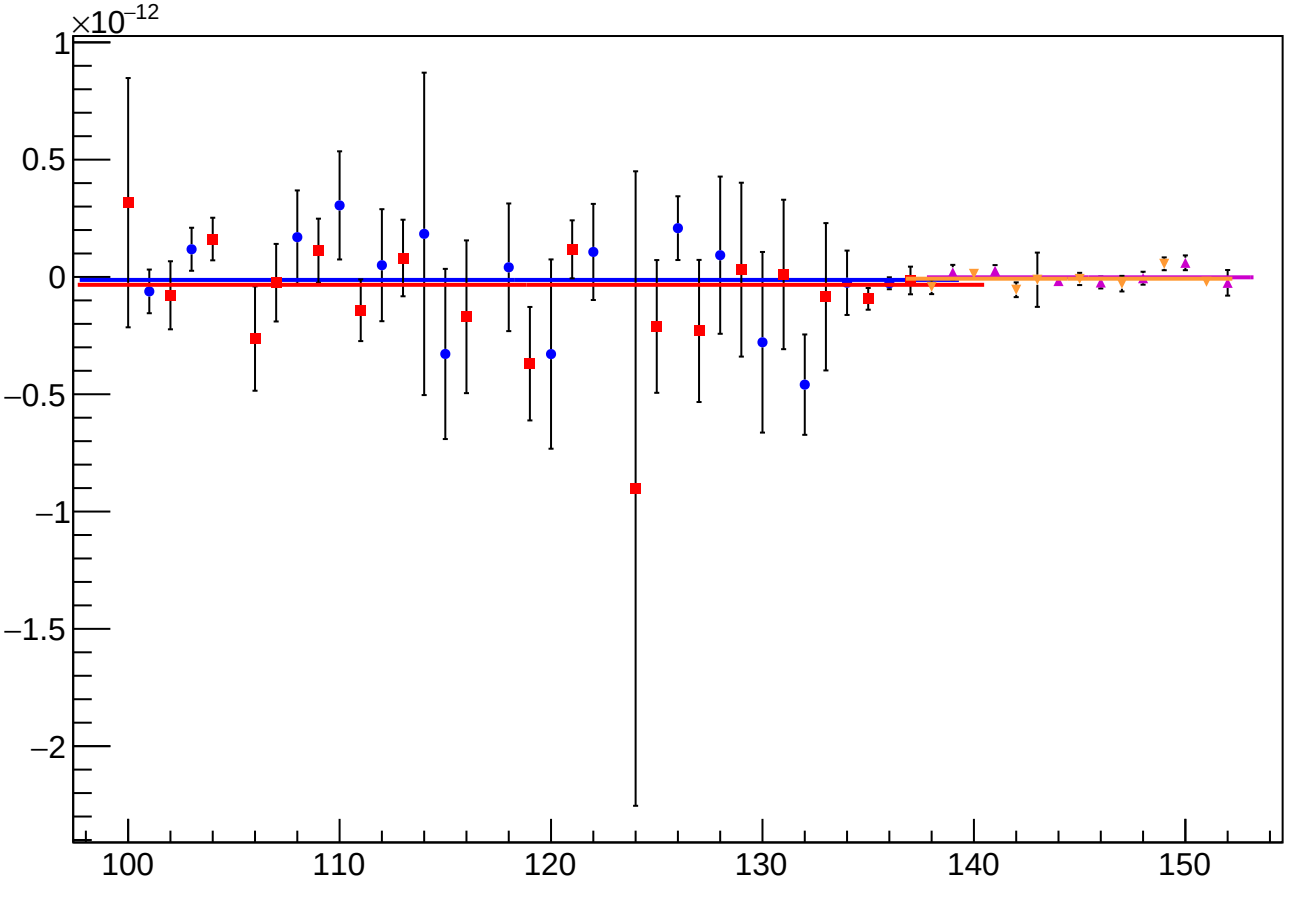
Left: 2039.089+/-0.415 χ^2/NDF: 585255.6/14

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2176.412+/-0.427 χ^2/NDF:744054.2/22

Out: 2202.071+/-0.436 χ^2/NDF:1316391.5/26

All: 2188.988+/-0.305 χ^2/NDF: 2062211.4/49



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:7.9/6

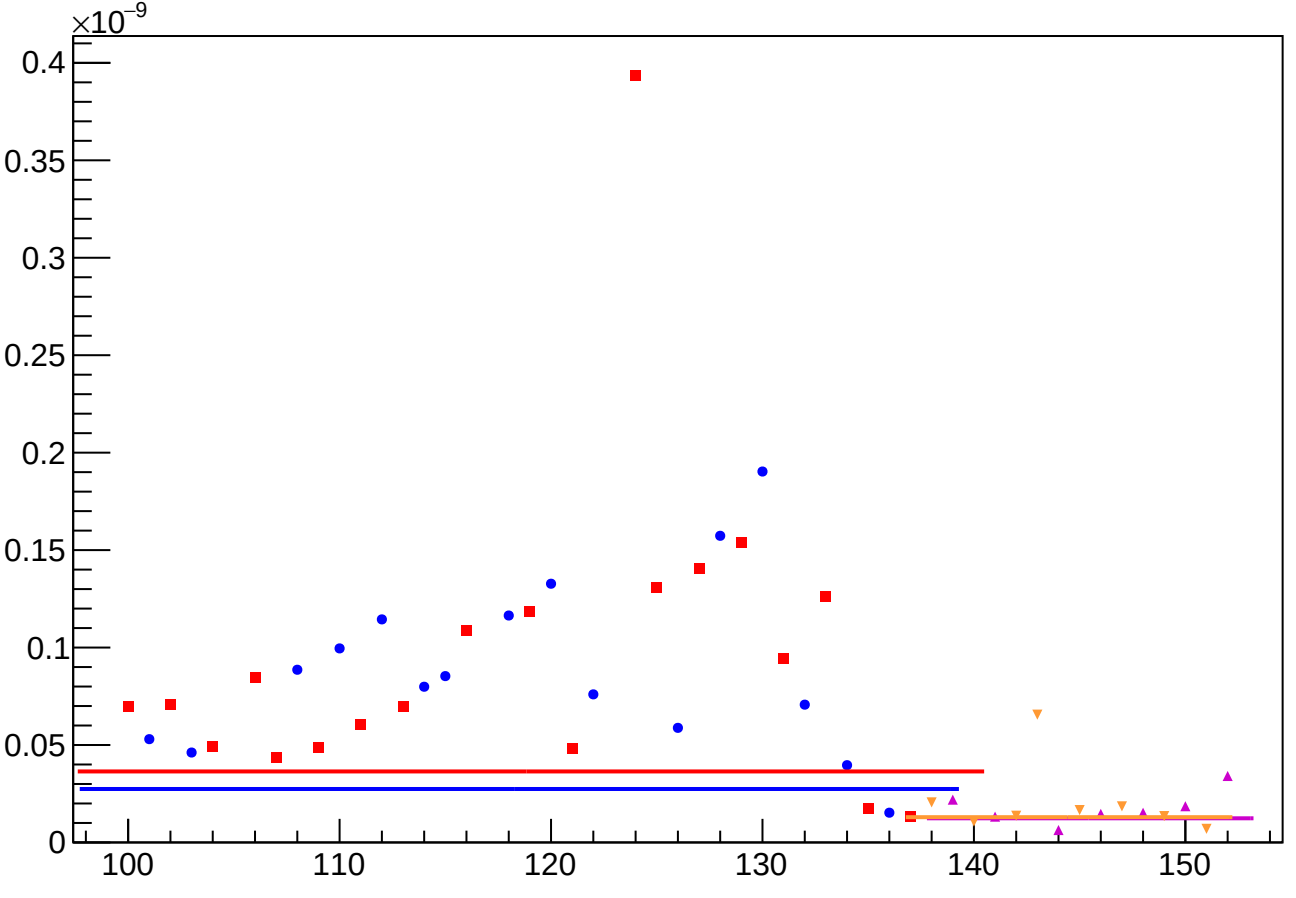
Left: -0.000+/-0.000 χ^2/NDF: 19.0/14

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:22.9/22

Out: -0.000+/-0.000 χ^2/NDF:26.9/26

All: -0.000+/-0.000 χ^2/NDF: 50.2/49



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:995604.7/6

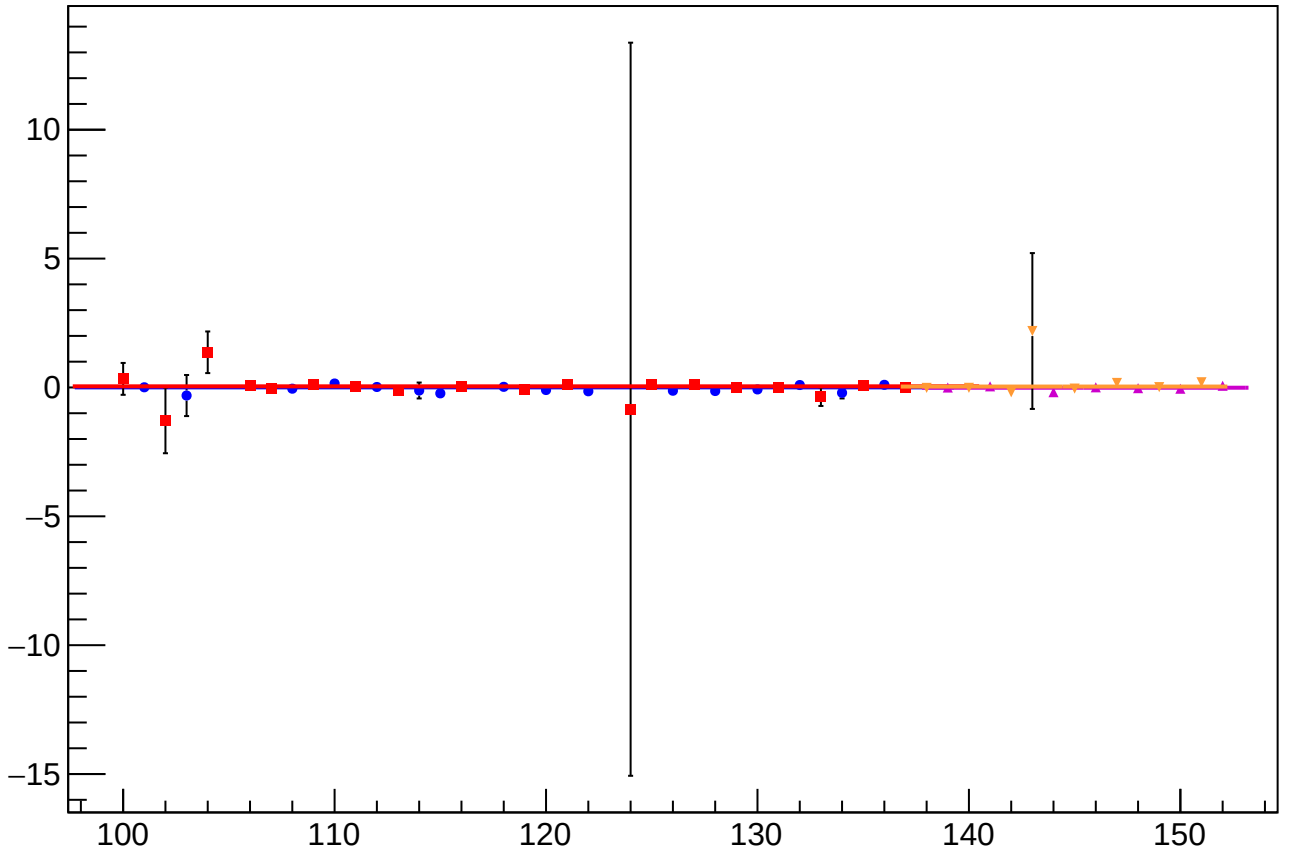
Left: 0.000+/-0.000 χ^2/NDF: 1866261.5/14

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4510836.8/22

Out: 0.000+/-0.000 χ^2/NDF:4575407.5/26

All: 0.000+/-0.000 χ^2/NDF: 9093816.8/49



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: -0.010+/-0.026 χ^2/NDF:4.2/6

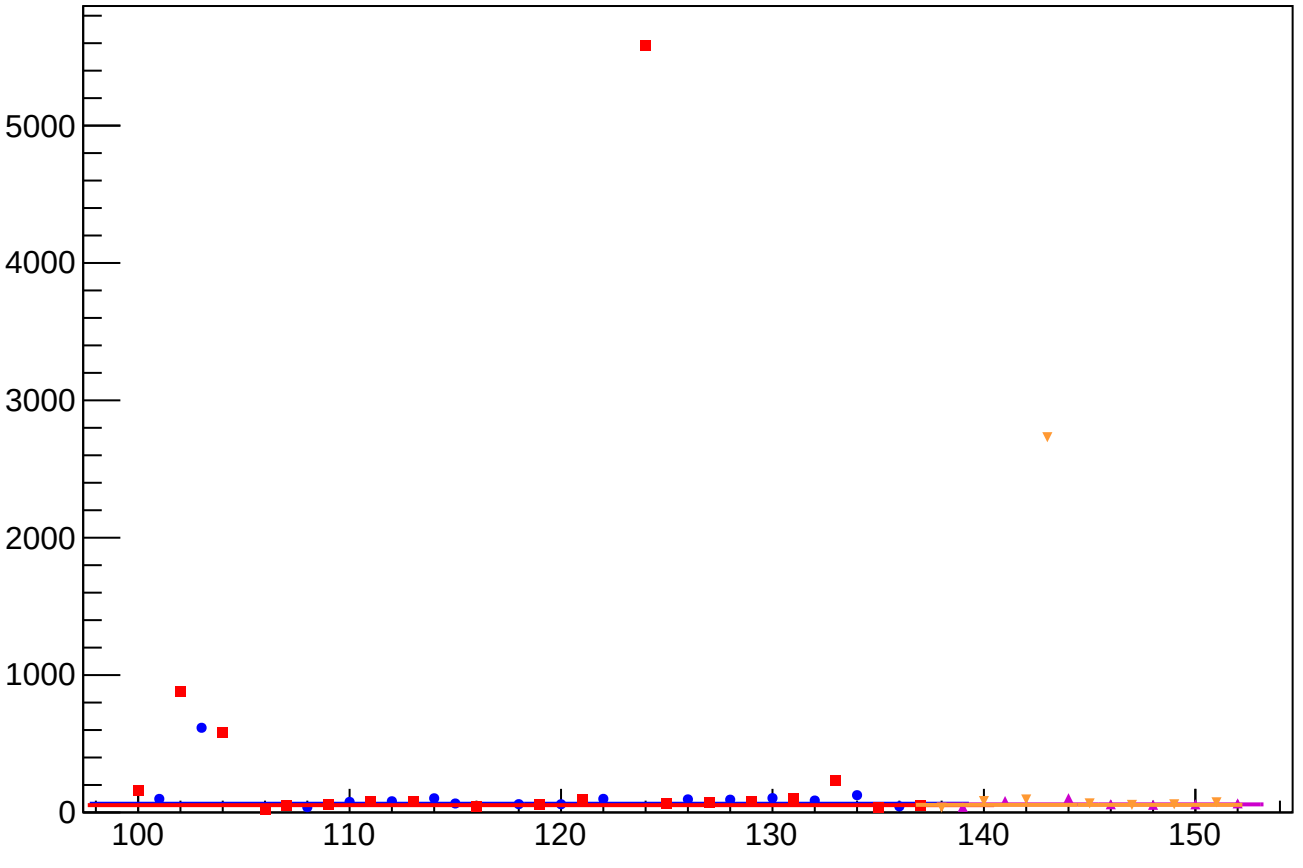
Left: 0.012+/-0.019 χ^2/NDF: 20.2/14

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.019 χ^2/NDF:17.6/22

Out: 0.039+/-0.018 χ^2/NDF:27.2/26

All: 0.019+/-0.013 χ^2/NDF: 47.6/49



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: 58.764+/-0.018 χ^2/NDF:751102.2/6

Left: 57.024+/-0.013 χ^2/NDF: 3221856.8/14

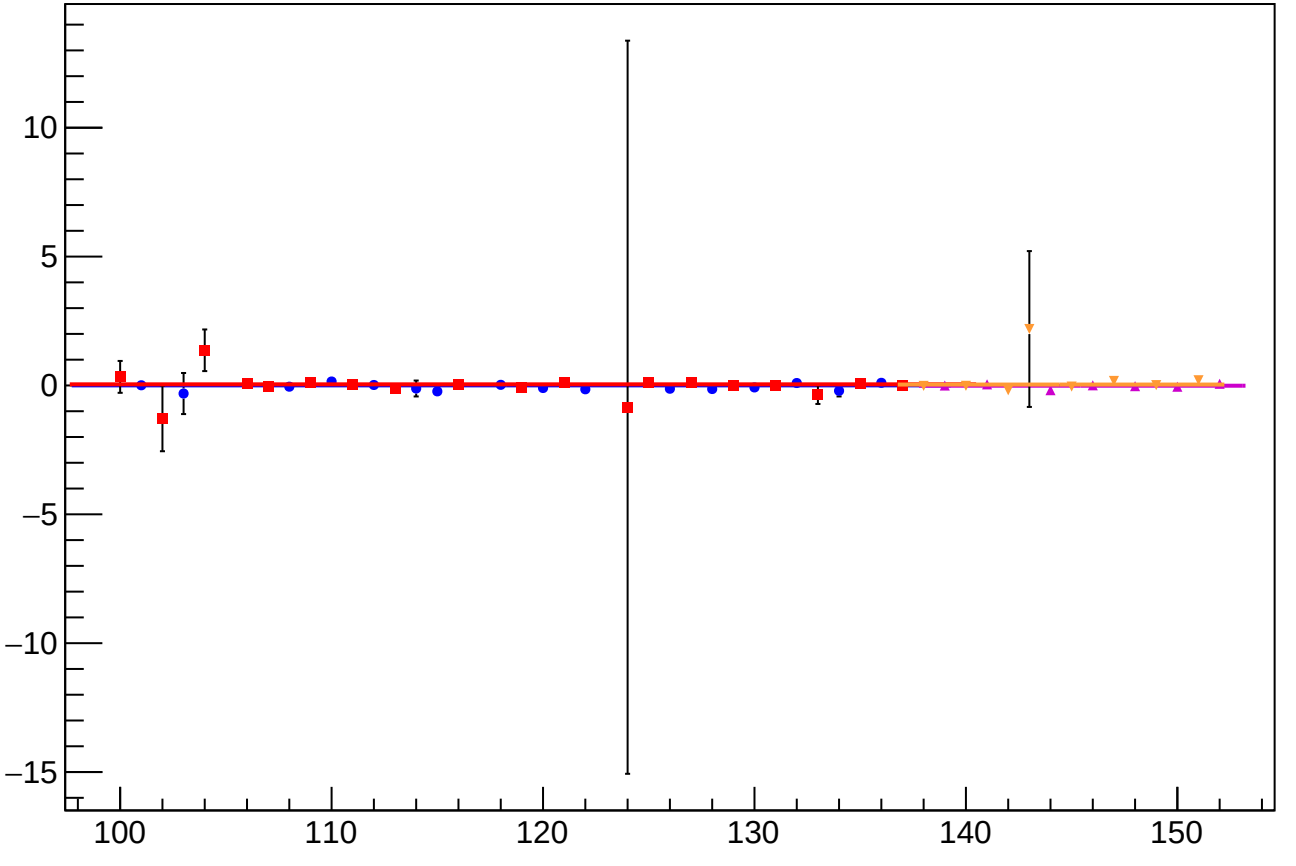
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 61.015+/-0.013 χ^2/NDF:3227245.7/22

Out: 54.168+/-0.013 χ^2/NDF:6405041.4/26

All: 57.449+/-0.009 χ^2/NDF: 9769688.1/49

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: -0.010+/-0.026 χ^2/NDF:4.2/6

Left: 0.012+/-0.019 χ^2/NDF: 20.2/14

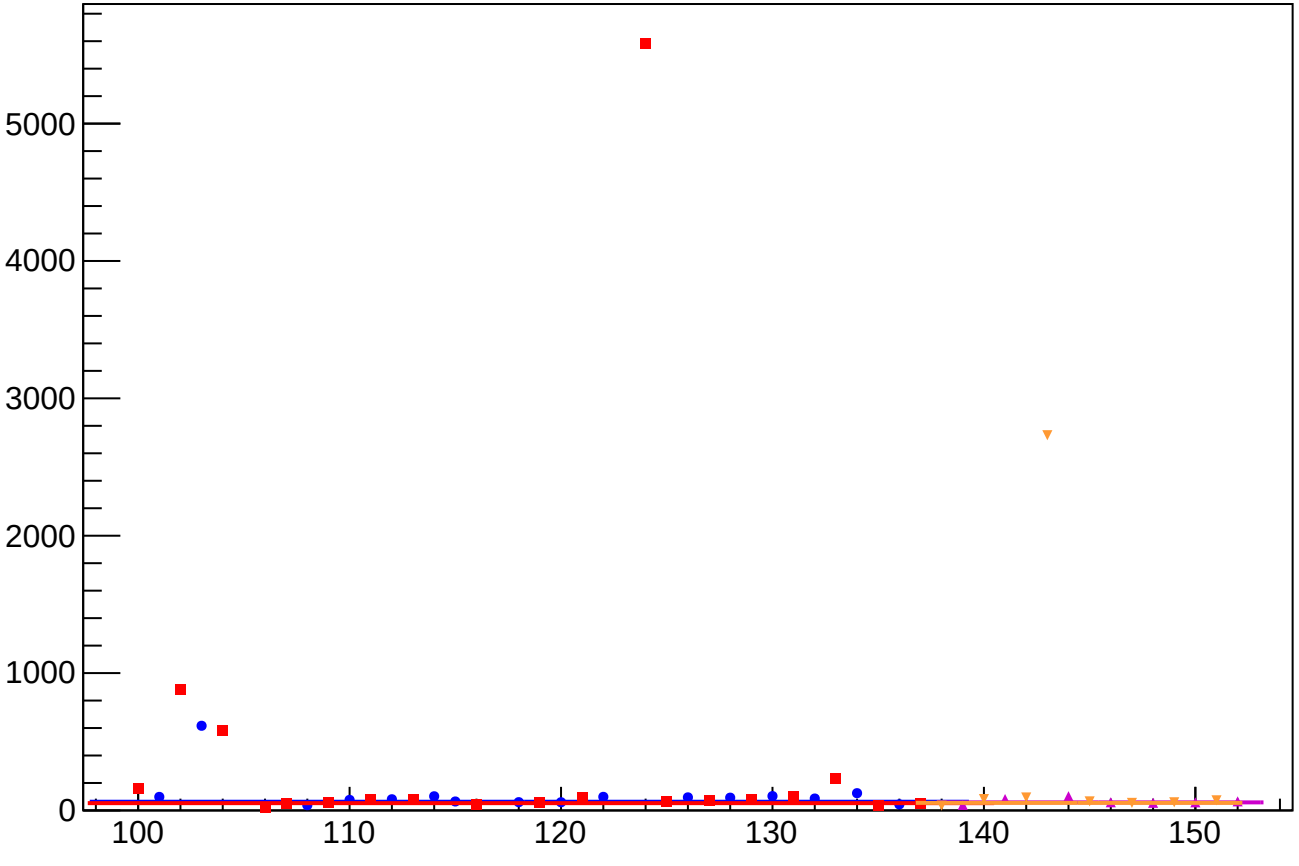
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.019 χ^2/NDF:17.6/22

Out: 0.039+/-0.018 χ^2/NDF:27.2/26

All: 0.019+/-0.013 χ^2/NDF: 47.6/49

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: 58.764+/-0.018 χ^2/NDF:751102.2/6

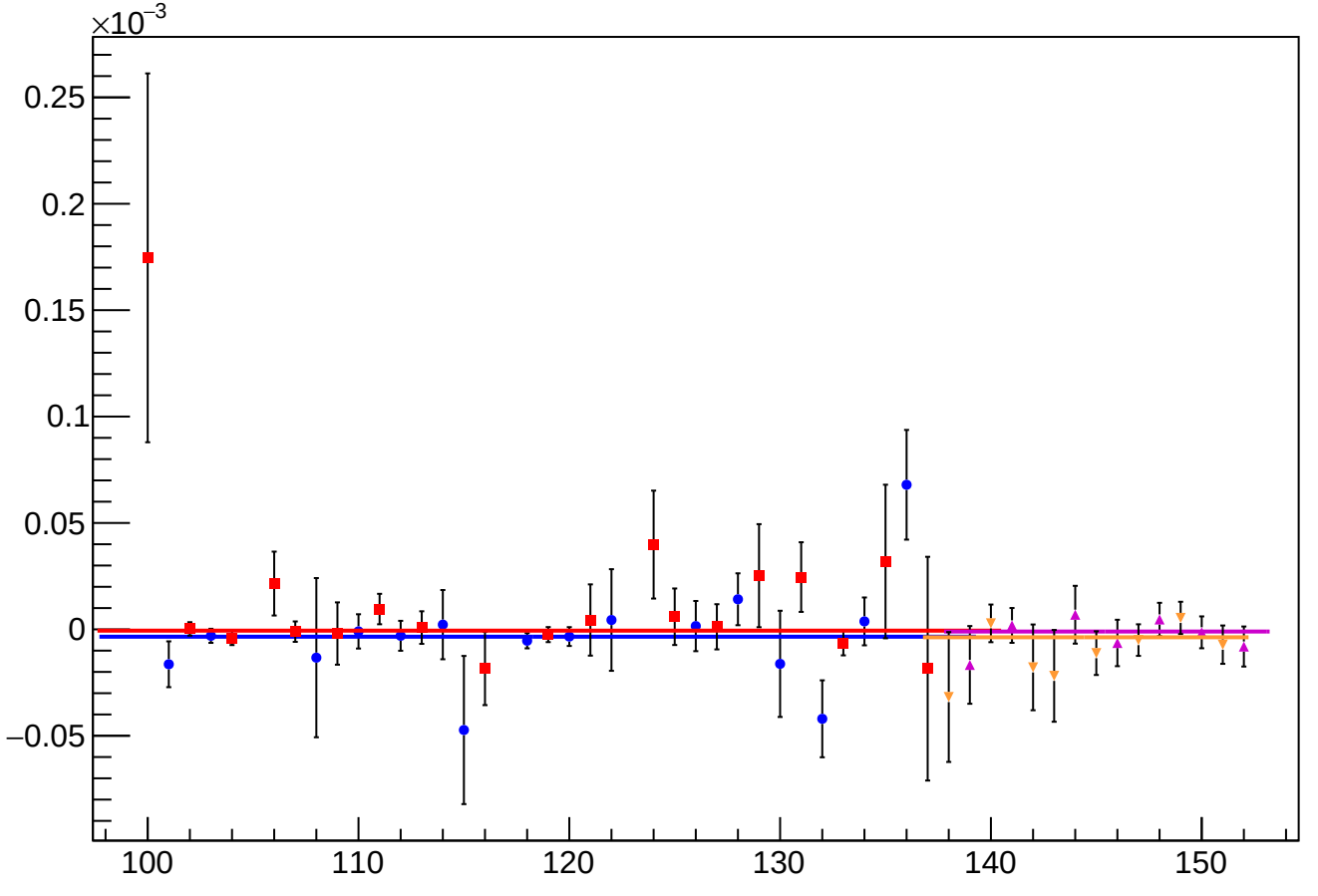
Left: 57.024+/-0.013 χ^2/NDF: 3221856.8/14

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 61.015+/-0.013 χ^2/NDF:3227245.7/22

Out: 54.168+/-0.013 χ^2/NDF:6405041.4/26

All: 57.449+/-0.009 χ^2/NDF: 9769688.1/49



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:2.5/6

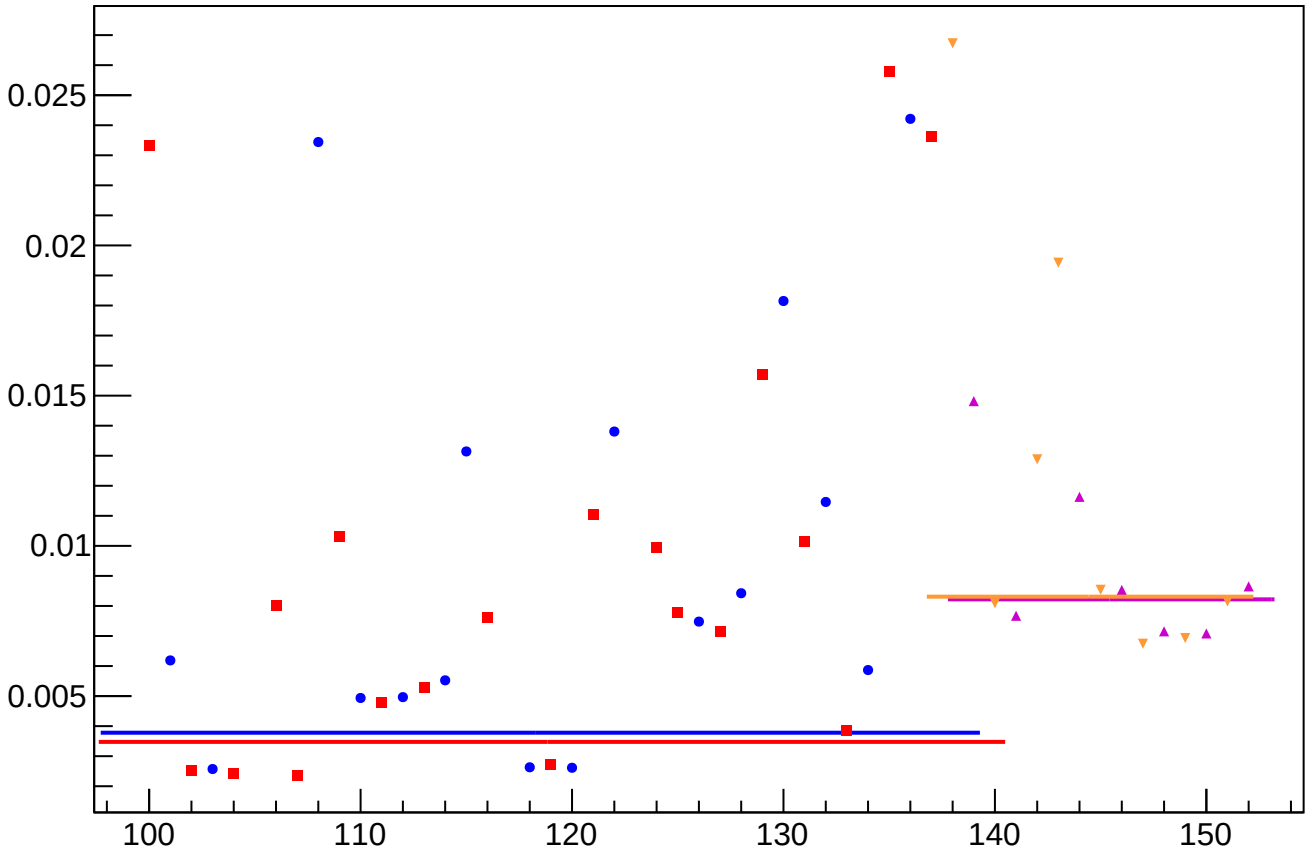
Left: -0.000+/-0.000 χ^2/NDF: 7.5/14

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:21.8/22

Out: -0.000+/-0.000 χ^2/NDF:24.5/26

All: -0.000+/-0.000 χ^2/NDF: 47.0/49



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:485149.7/6

Left: 0.008+/-0.000 χ^2/NDF: 2006412.2/14

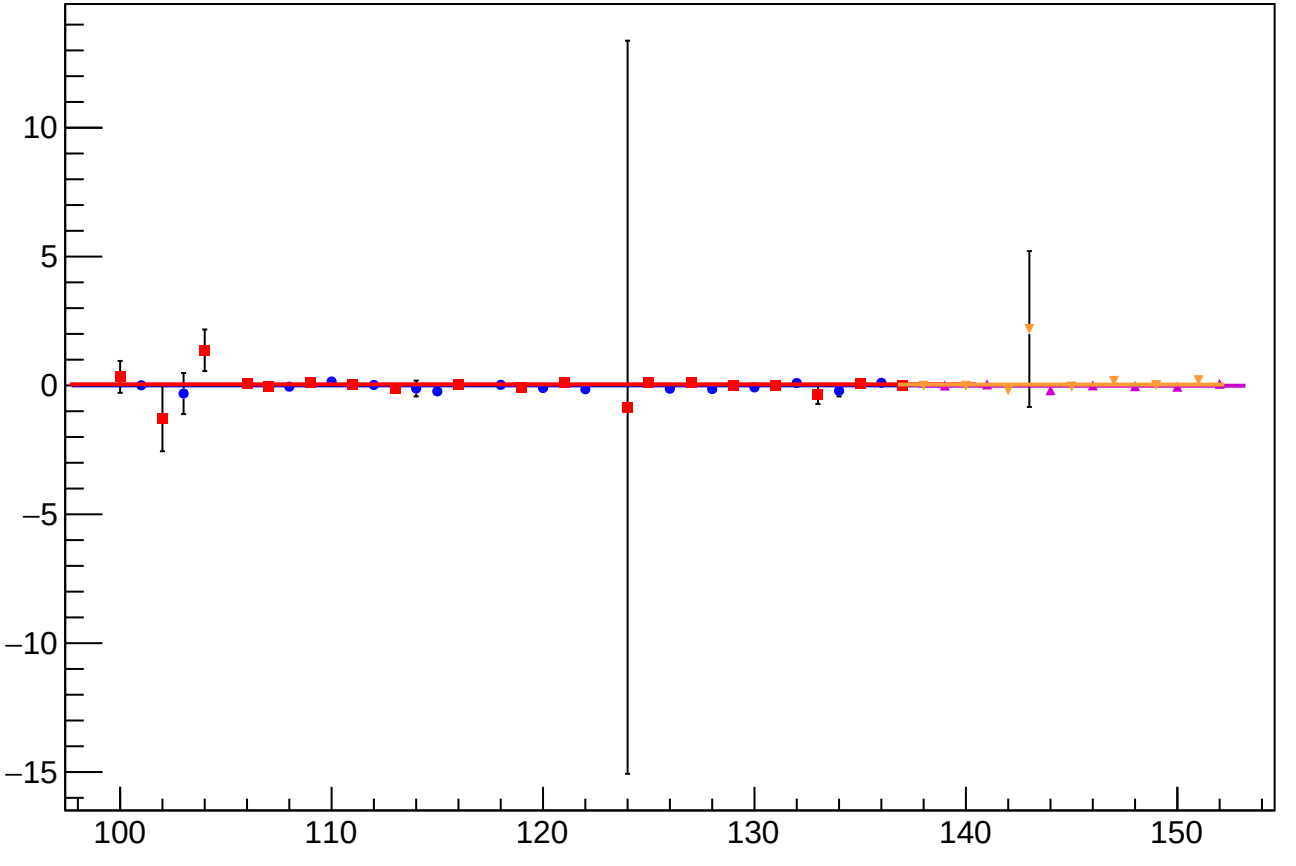
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:7625926.5/22

Out: 0.004+/-0.000 χ^2/NDF:9015611.9/26

All: 0.004+/-0.000 χ^2/NDF: 16737799.7/49

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: -0.010+/-0.026 χ^2/NDF:4.2/6

Left: 0.012+/-0.019 χ^2/NDF: 20.2/14

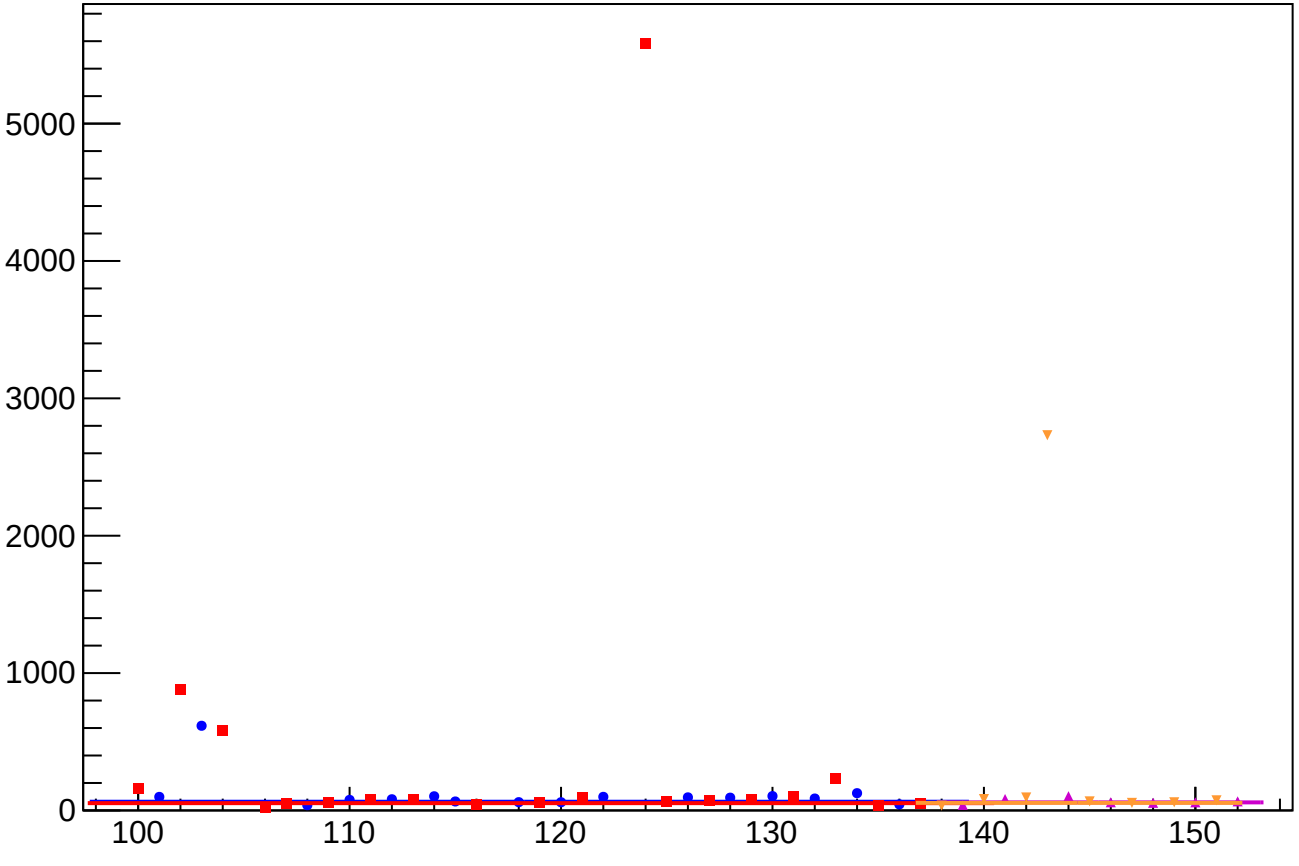
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.019 χ^2/NDF:17.6/22

Out: 0.039+/-0.018 χ^2/NDF:27.2/26

All: 0.019+/-0.013 χ^2/NDF: 47.6/49

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 55.251+/-0.019 χ^2/NDF:2452812.1/7

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 58.768+/-0.018 χ^2/NDF:750771.9/6

Left: 57.024+/-0.013 χ^2/NDF: 3221519.5/14

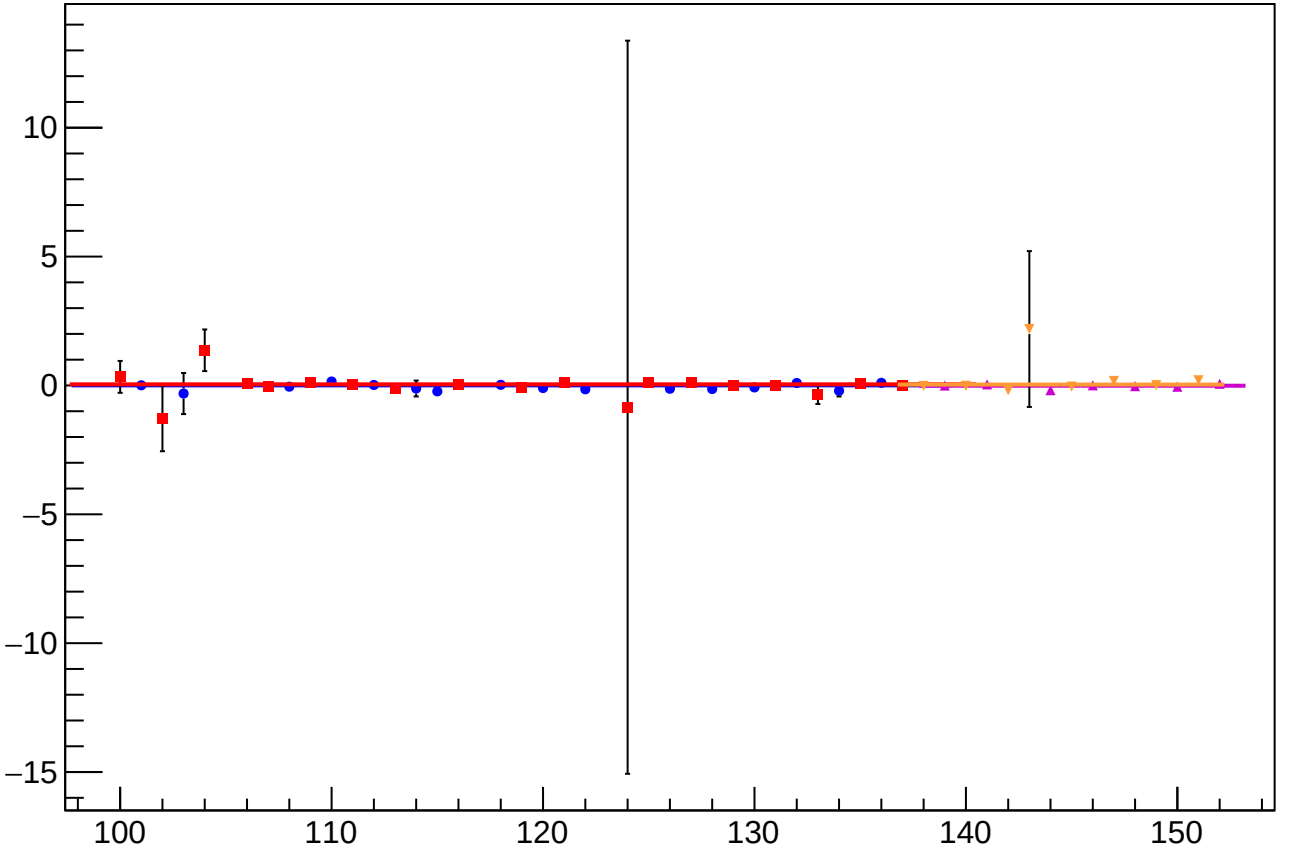
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 61.021+/-0.013 χ^2/NDF:3226083.5/22

Out: 54.165+/-0.013 χ^2/NDF:6405543.3/26

All: 57.449+/-0.009 χ^2/NDF: 9769416.5/49

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: -0.010+/-0.026 χ^2/NDF:4.2/6

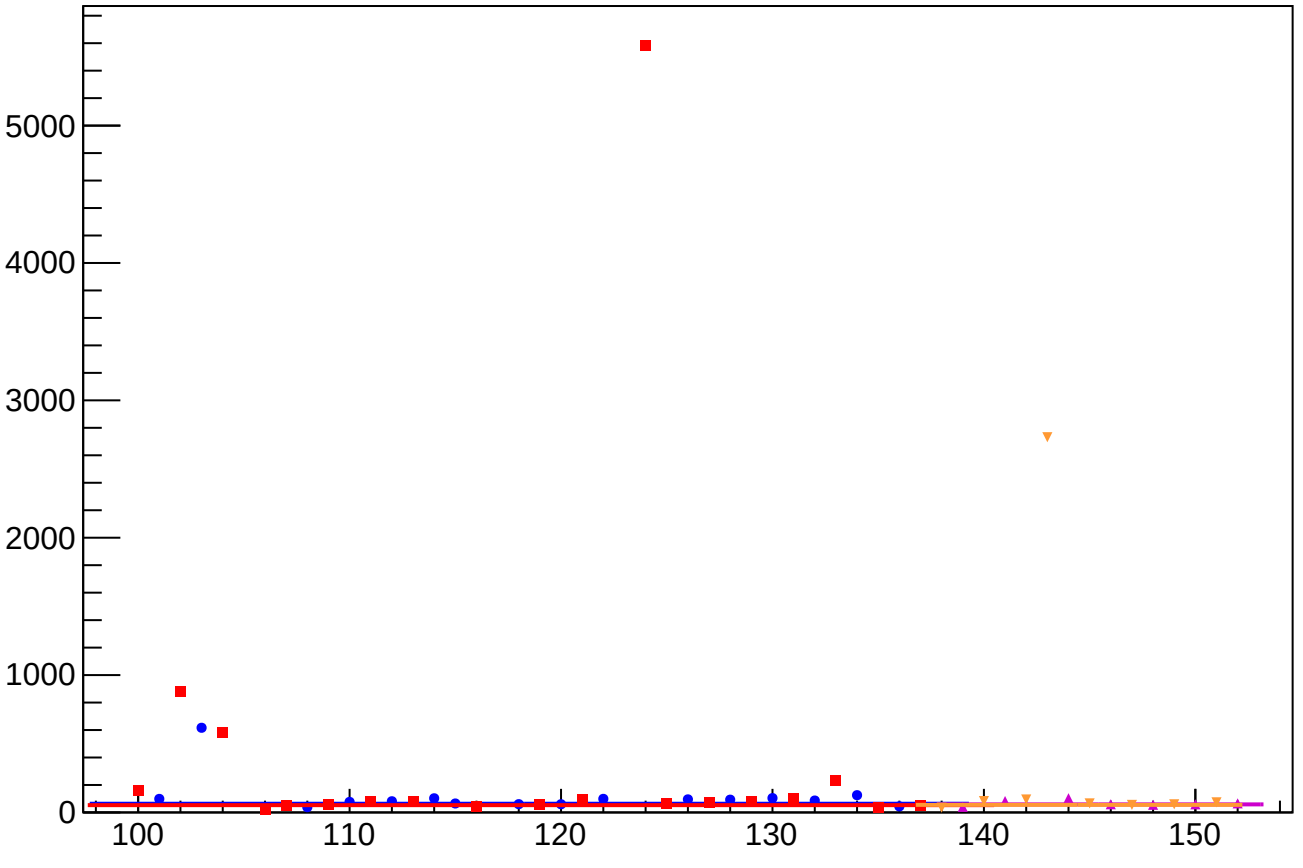
Left: 0.012+/-0.019 χ^2/NDF: 20.2/14

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.019 χ^2/NDF:17.6/22

Out: 0.039+/-0.018 χ^2/NDF:27.2/26

All: 0.019+/-0.013 χ^2/NDF: 47.6/49



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: 58.768+/-0.018 χ^2/NDF:750771.9/6

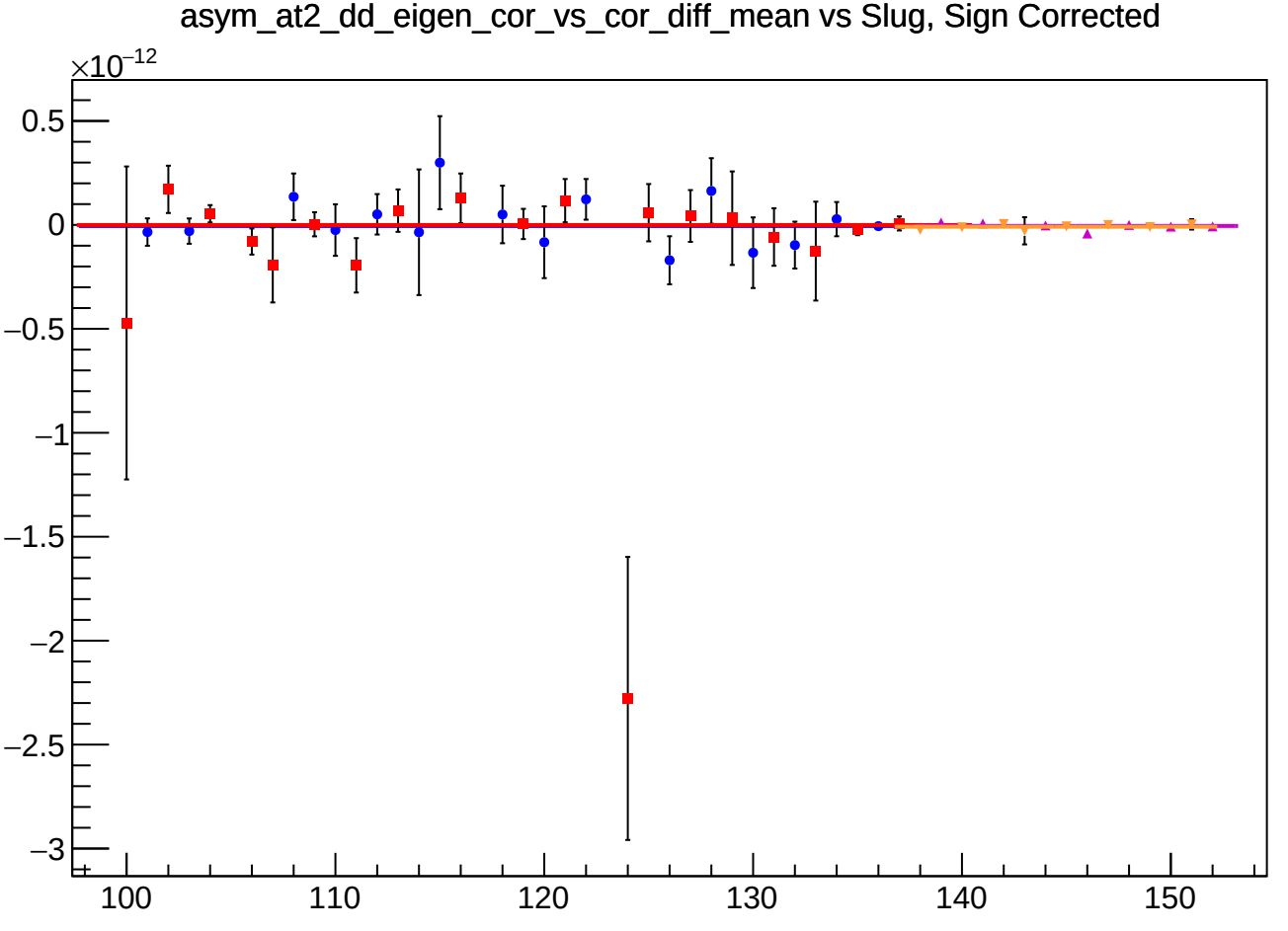
Left: 57.024+/-0.013 χ^2/NDF: 3221519.5/14

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 61.021+/-0.013 χ^2/NDF:3226083.5/22

Out: 54.165+/-0.013 χ^2/NDF:6405543.3/26

All: 57.449+/-0.009 χ^2/NDF: 9769416.5/49



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:7.0/6

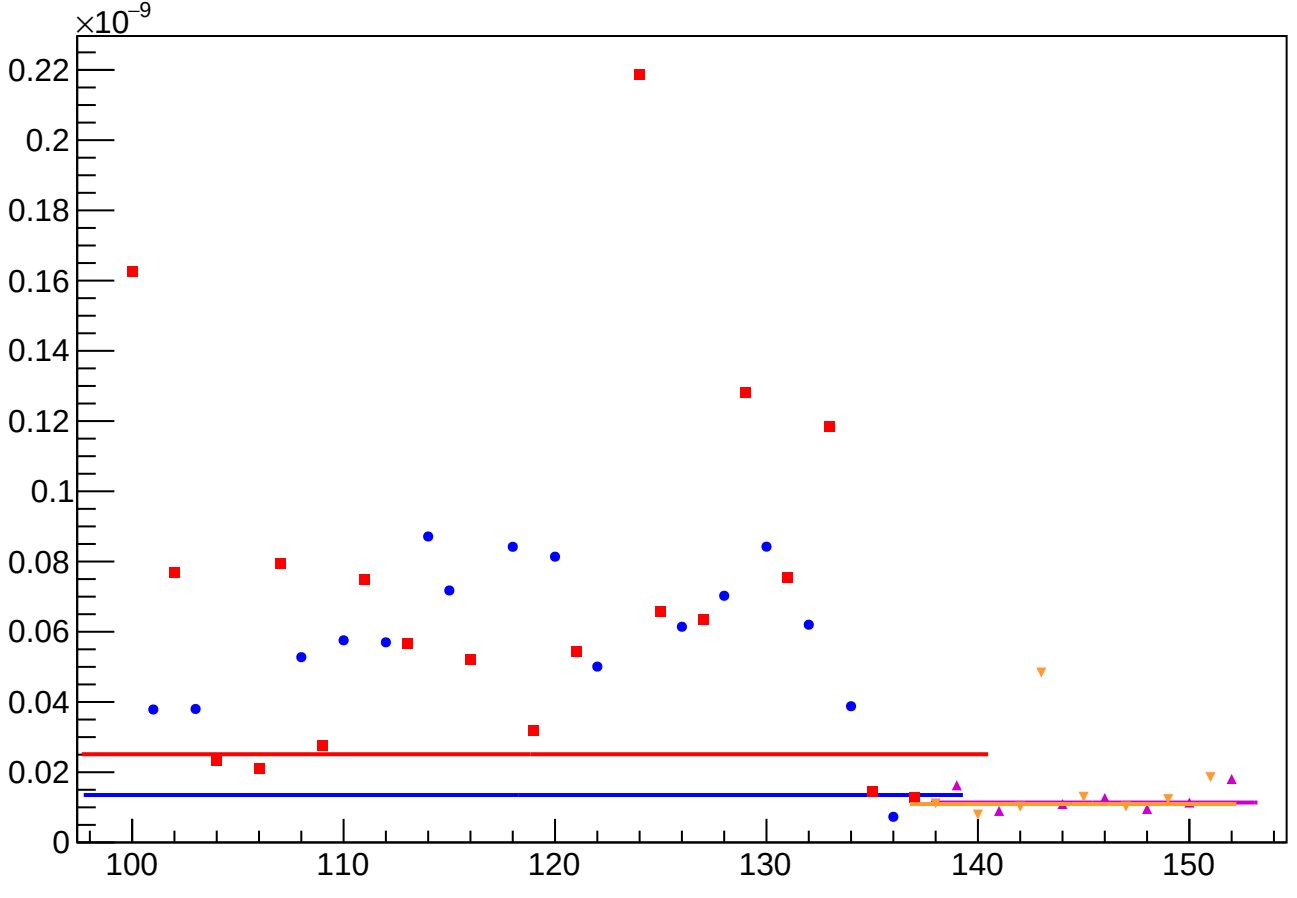
Left: -0.000+/-0.000 χ^2/NDF: 9.3/14

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:17.8/22

Out: -0.000+/-0.000 χ^2/NDF:27.5/26

All: -0.000+/-0.000 χ^2/NDF: 45.4/49



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:407183.1/6

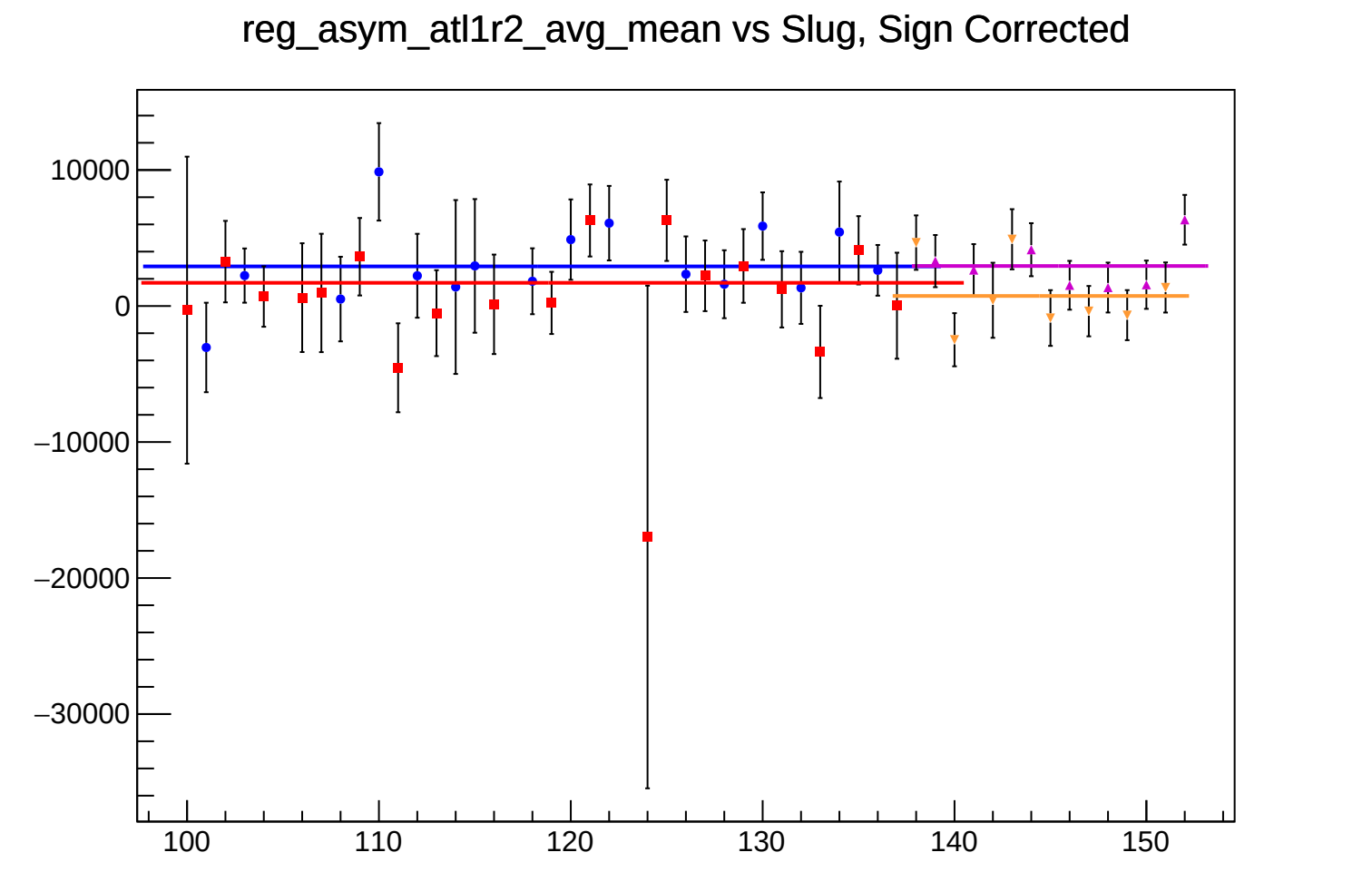
Left: 0.000+/-0.000 χ^2/NDF: 1476468.8/14

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5466453.2/22

Out: 0.000+/-0.000 χ^2/NDF:6193434.9/26

All: 0.000+/-0.000 χ^2/NDF: 11686824.9/49



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: 2942.665+/-700.877 χ^2/NDF:5.9/6

Left: 1859.767+/-499.788 χ^2/NDF: 22.5/14

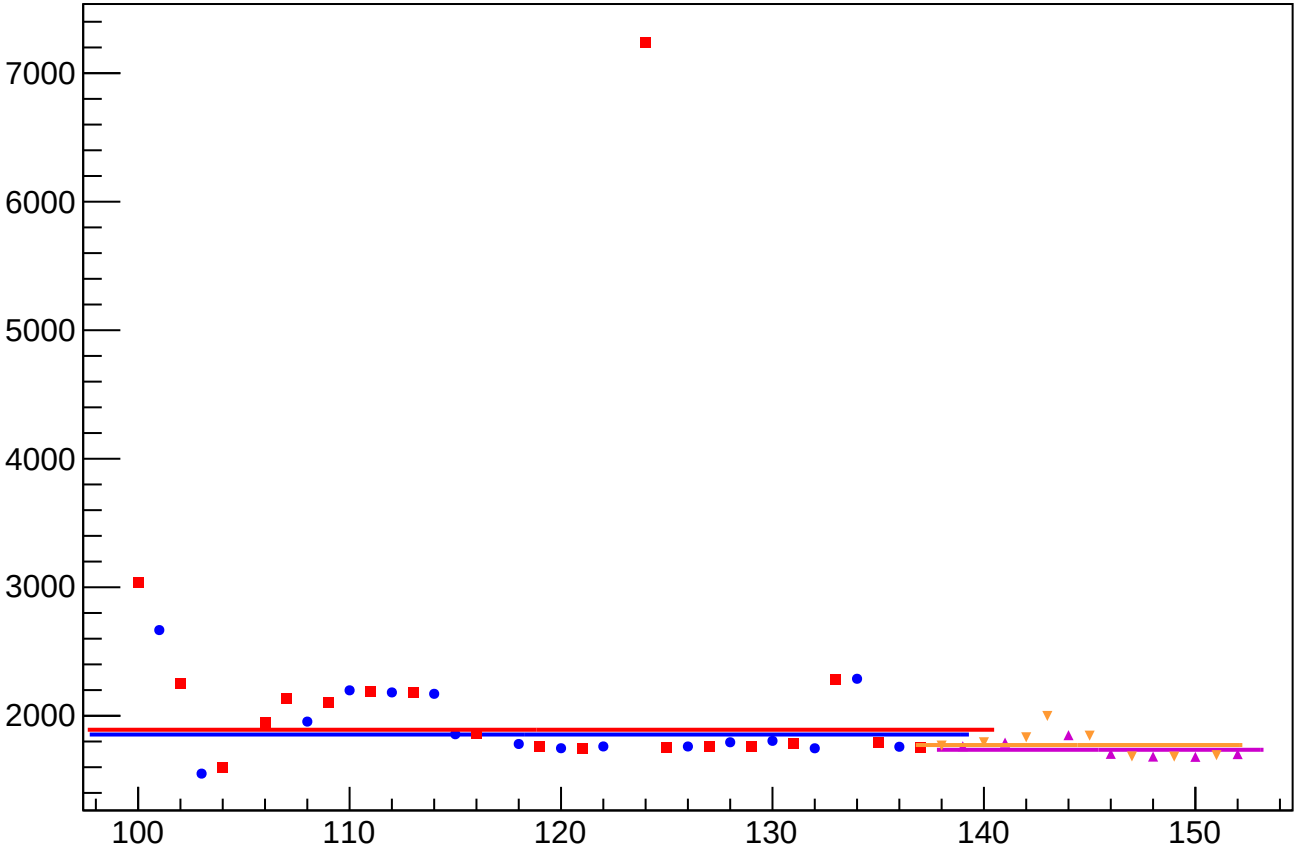
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2927.704+/-493.526 χ^2/NDF:18.3/22

Out: 1226.276+/-501.939 χ^2/NDF:28.6/26

All: 2091.368+/-351.912 χ^2/NDF: 52.7/49

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: 1735.602+/-0.496 χ^2/NDF:13820.2/6

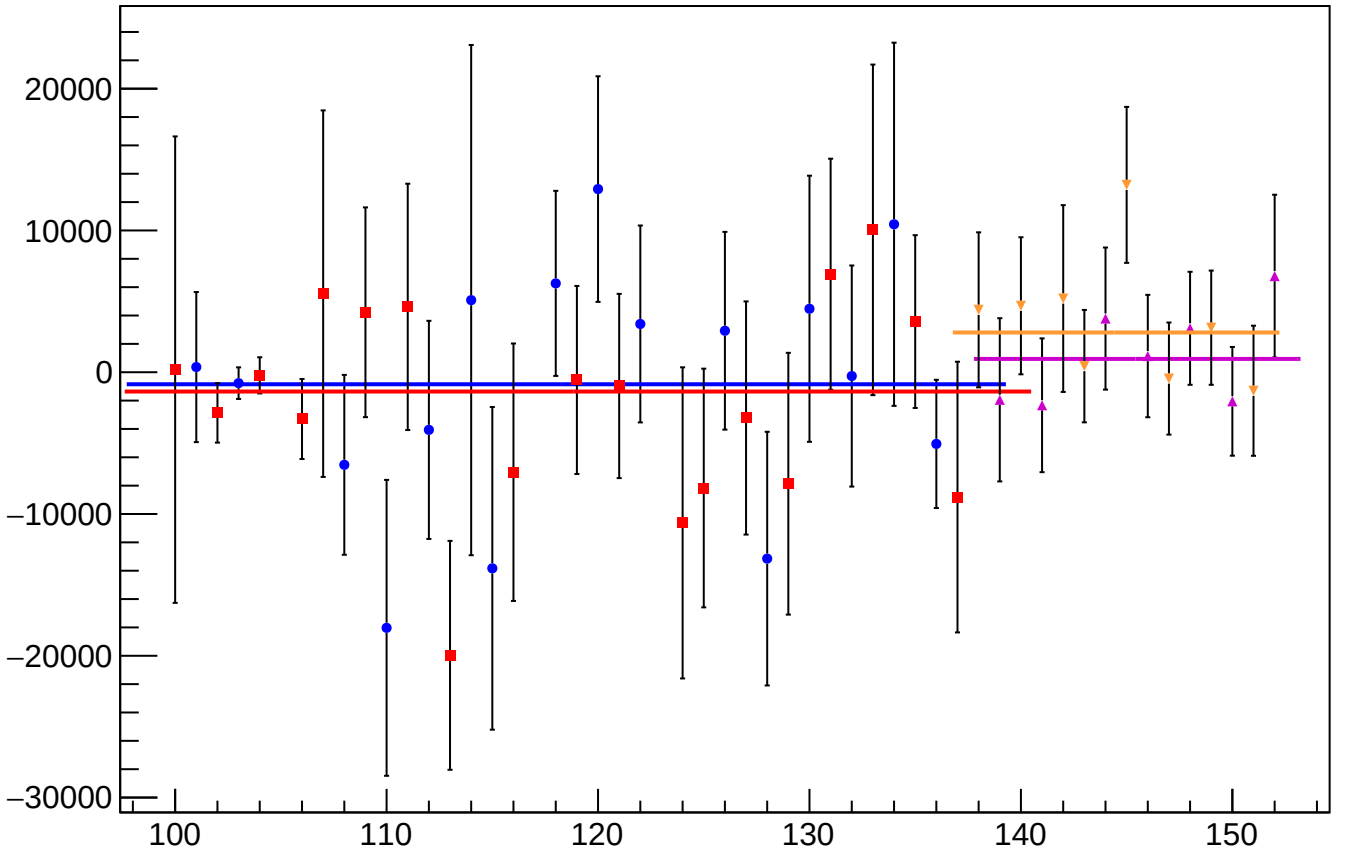
Left: 1753.785+/-0.353 χ^2/NDF: 54252.9/14

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1795.452+/-0.349 χ^2/NDF:306070.2/22

Out: 1832.676+/-0.355 χ^2/NDF:429850.7/26

All: 1813.771+/-0.249 χ^2/NDF: 741520.3/49



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: 939.290+/-1741.058 χ^2/NDF:3.0/6

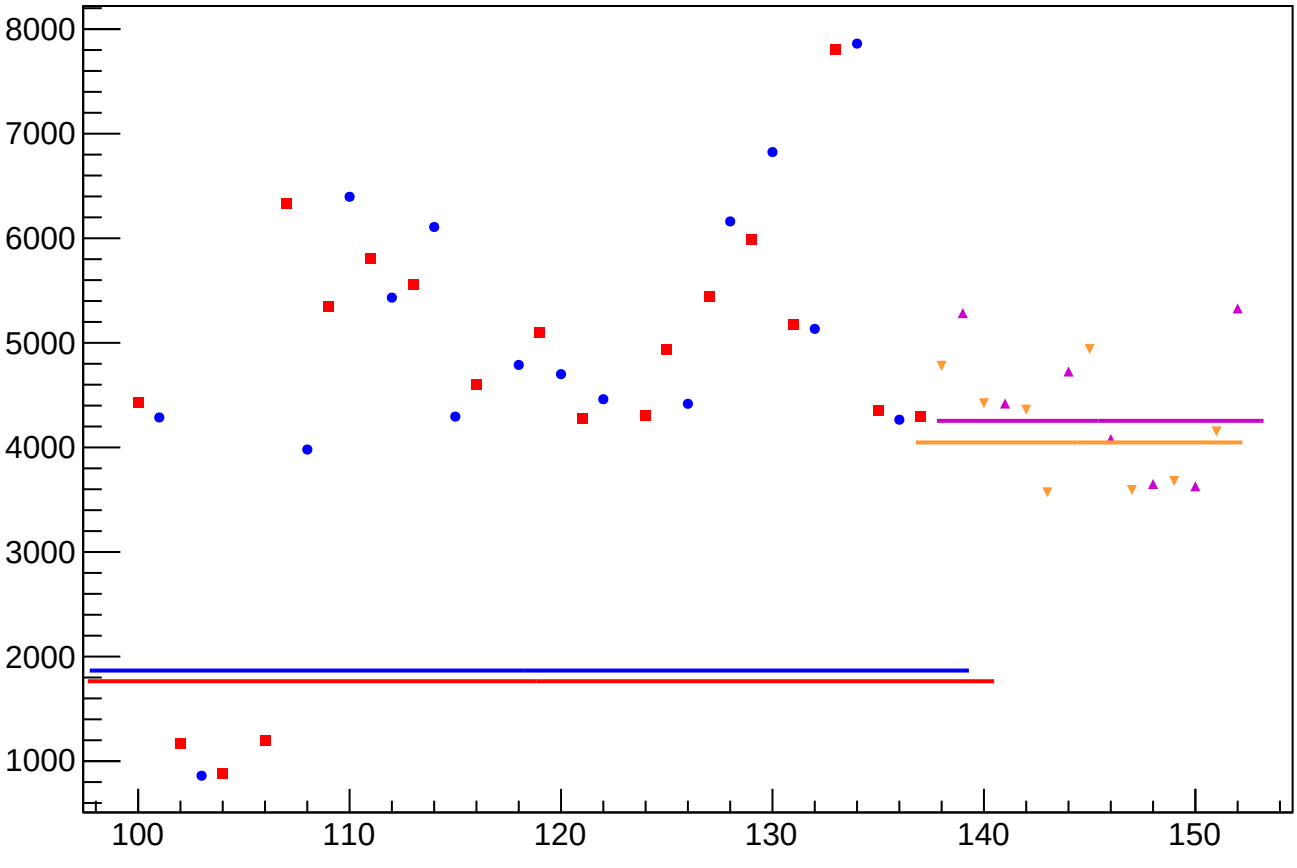
Left: 1923.740+/-1196.130 χ^2/NDF: 9.4/14

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -429.339+/-842.632 χ^2/NDF:17.7/22

Out: -376.812+/-800.368 χ^2/NDF:24.7/26

All: -401.725+/-580.312 χ^2/NDF: 42.4/49



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: 4254.330+/-1.231 χ^2/NDF:256785.1/6

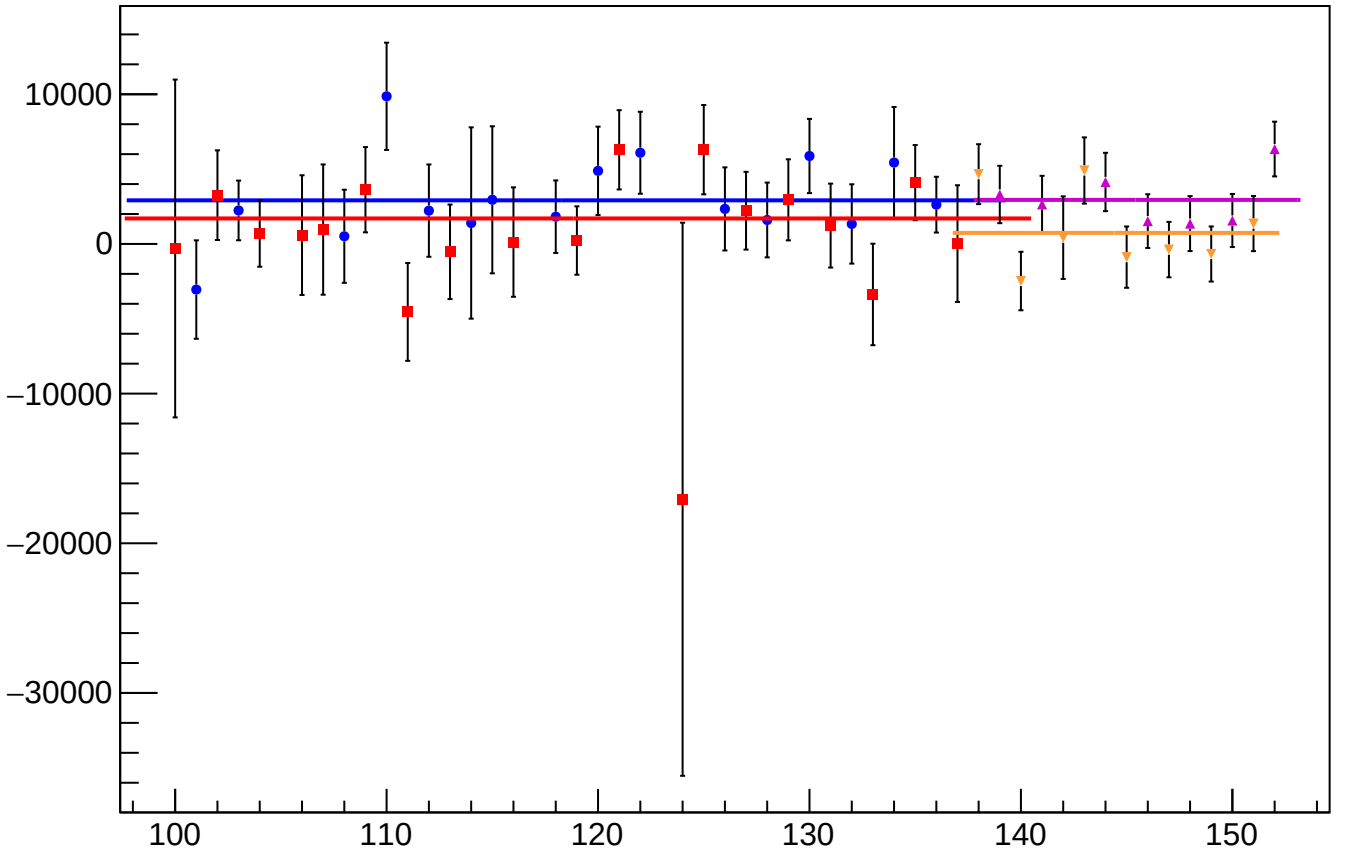
Left: 4145.299+/-0.846 χ^2/NDF: 449980.6/14

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2425.738+/-0.596 χ^2/NDF:9987406.7/22

Out: 2304.138+/-0.566 χ^2/NDF:9552153.2/26

All: 2361.812+/-0.410 χ^2/NDF: 19561455.9/4



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: 2942.831+/-700.877 χ^2/NDF:5.9/6

Left: 1859.753+/-499.788 χ^2/NDF: 22.5/14

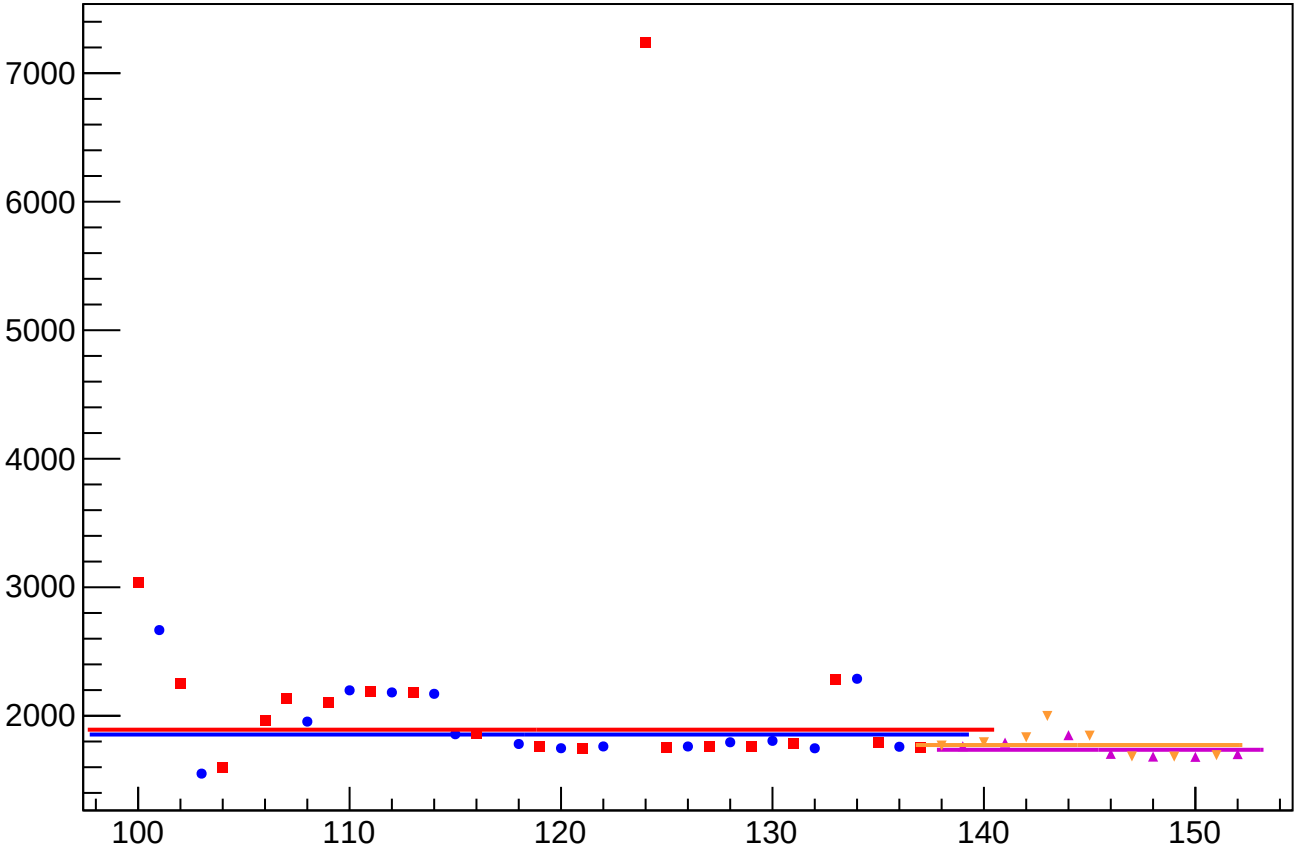
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2927.837+/-493.526 χ^2/NDF:18.3/22

Out: 1225.481+/-501.939 χ^2/NDF:28.6/26

All: 2091.045+/-351.912 χ^2/NDF: 52.7/49

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: 1735.602+/-0.496 χ^2/NDF:13820.2/6

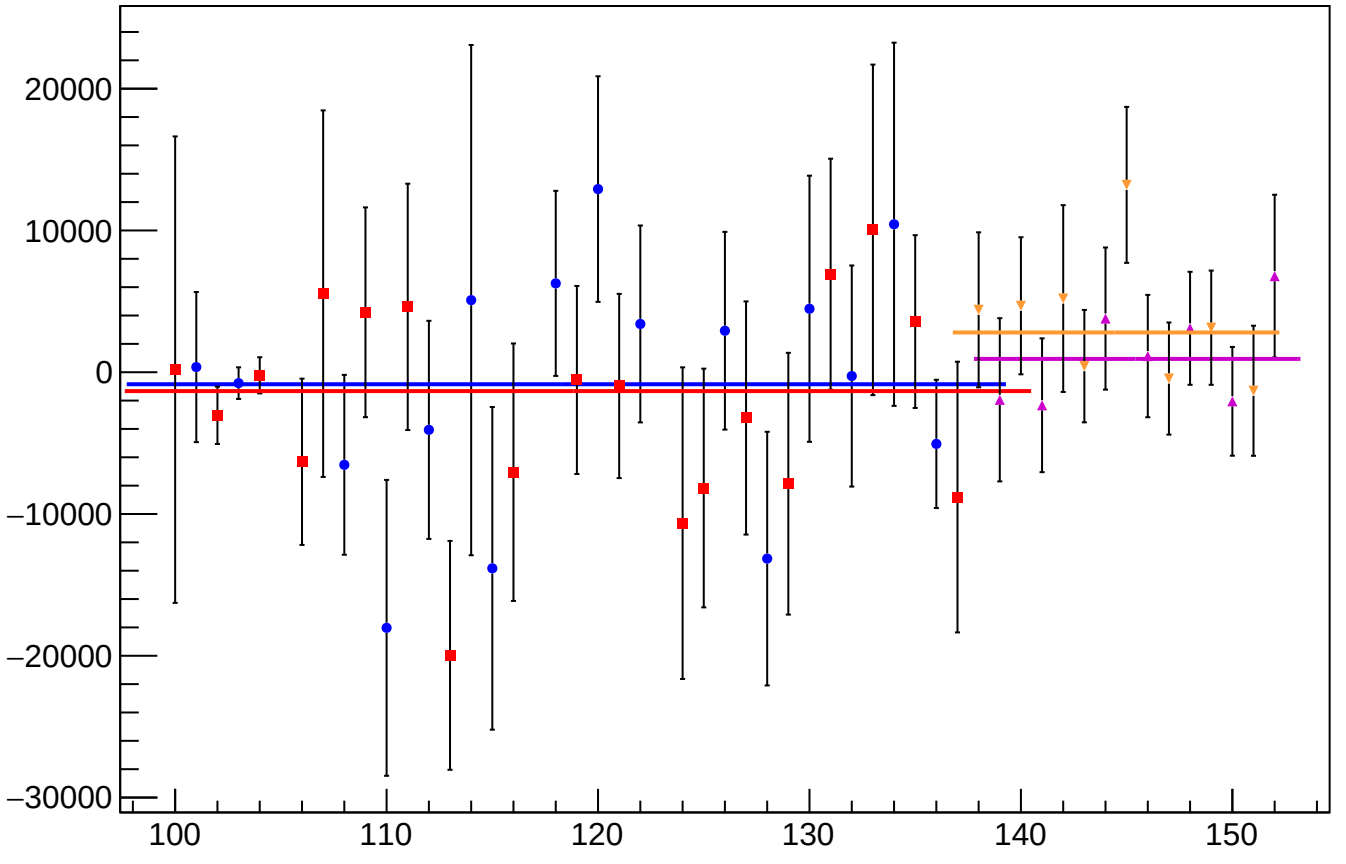
Left: 1753.785+/-0.353 χ^2/NDF: 54252.9/14

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1795.452+/-0.349 χ^2/NDF:306070.1/22

Out: 1832.894+/-0.355 χ^2/NDF:430303.0/26

All: 1813.877+/-0.249 χ^2/NDF: 742037.7/49



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: 939.425+/-1741.058 χ^2/NDF:3.0/6

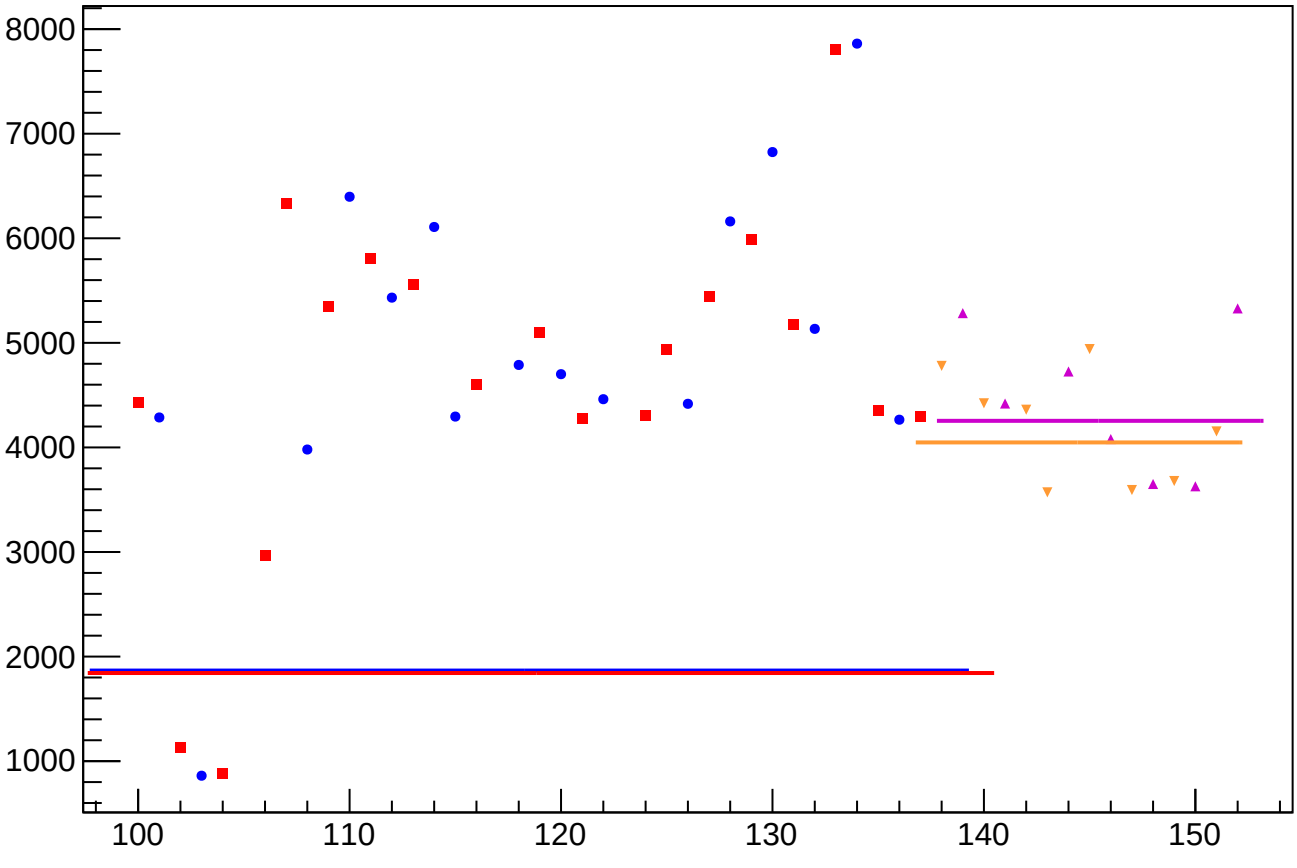
Left: 1923.741+/-1196.129 χ^2/NDF: 9.4/14

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -428.980+/-842.597 χ^2/NDF:17.7/22

Out: -301.234+/-821.611 χ^2/NDF:25.0/26

All: -363.496+/-588.246 χ^2/NDF: 42.6/49



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: 4254.327+/-1.231 χ^2/NDF:256790.3/6

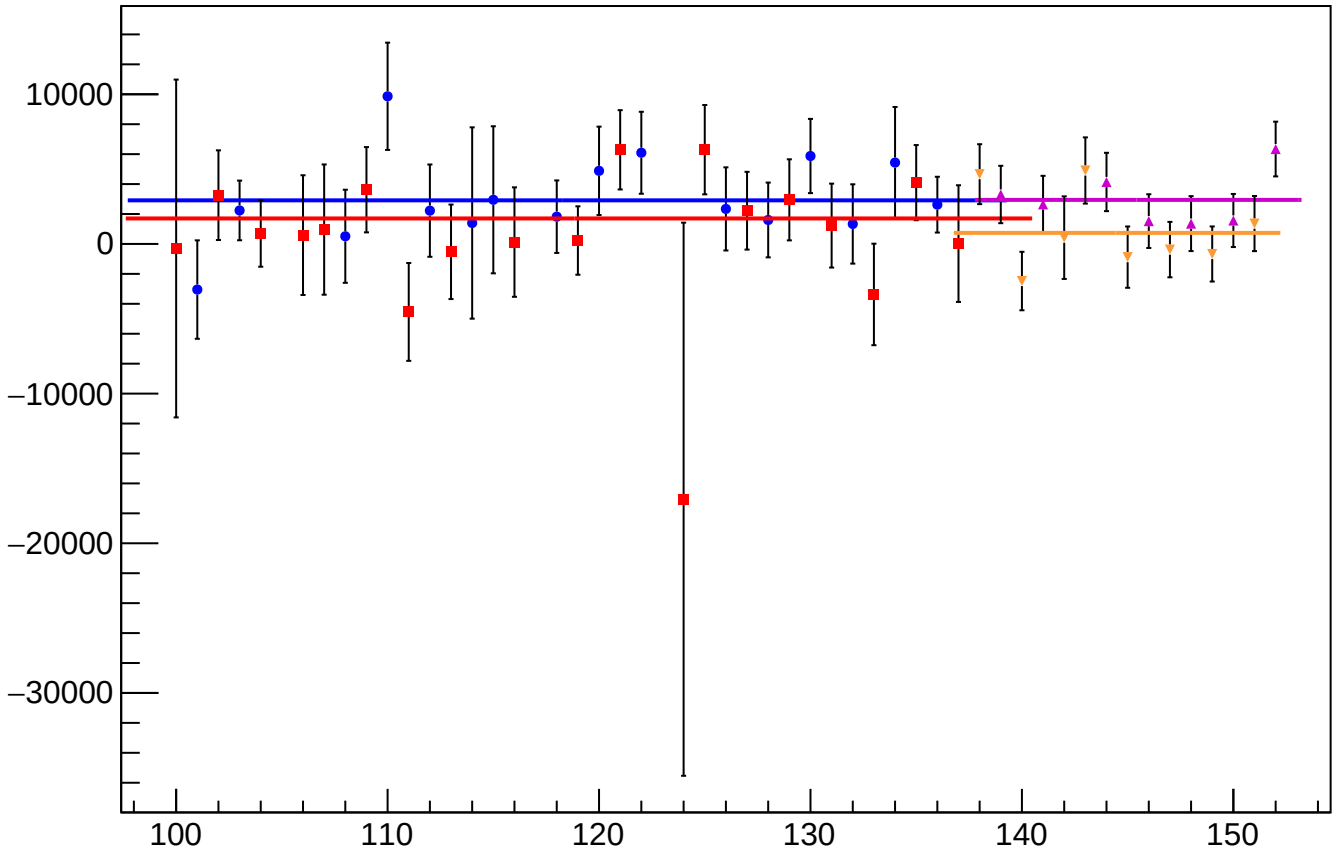
Left: 4145.293+/-0.846 χ^2/NDF: 449988.6/14

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2425.572+/-0.596 χ^2/NDF:9988274.5/22

Out: 2392.194+/-0.581 χ^2/NDF:9331319.3/26

All: 2408.462+/-0.416 χ^2/NDF: 19321202.6/4



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: 2942.831+/-700.877 χ^2/NDF:5.9/6

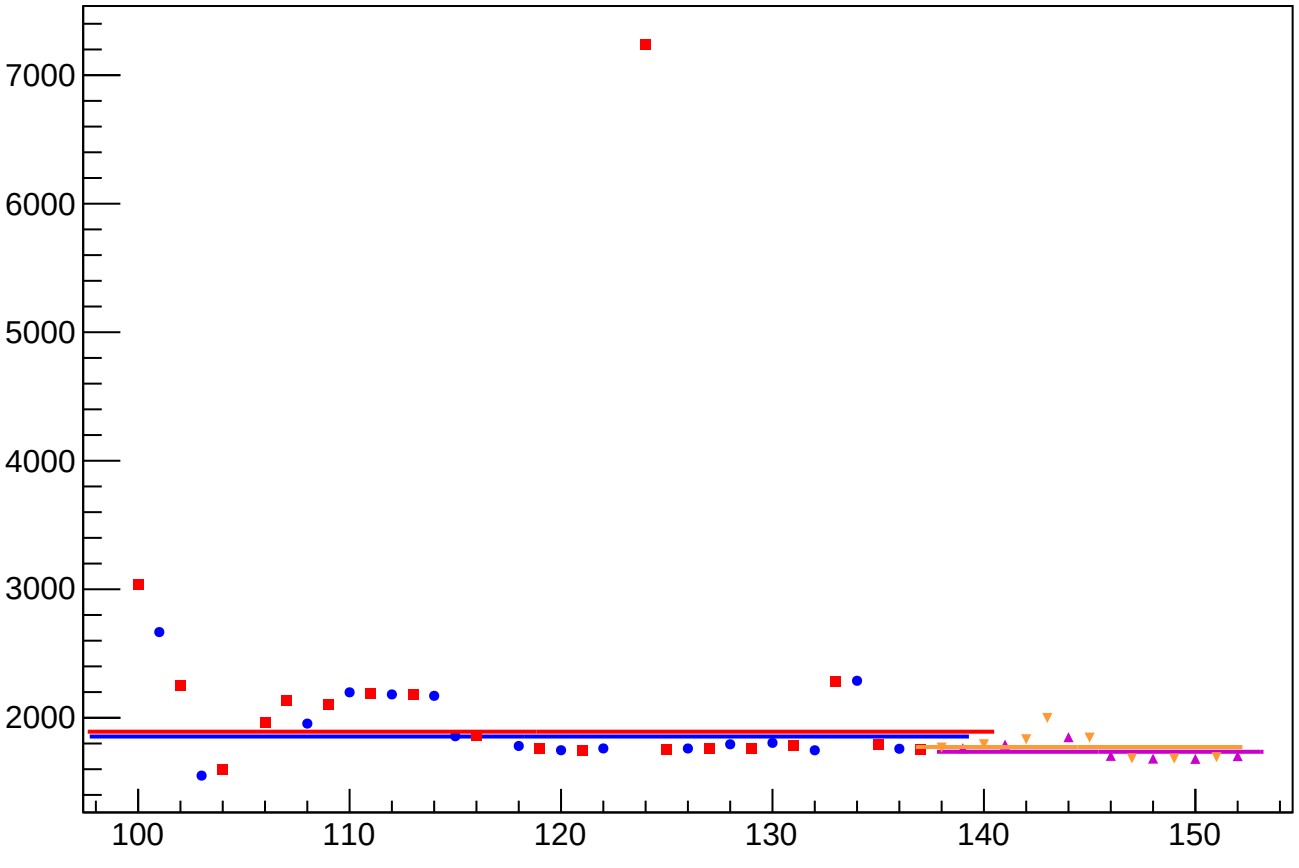
Left: 1859.753+/-499.788 χ^2/NDF: 22.5/14

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2927.837+/-493.526 χ^2/NDF:18.3/22

Out: 1225.481+/-501.939 χ^2/NDF:28.6/26

All: 2091.045+/-351.912 χ^2/NDF: 52.7/49



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: 1735.602+/-0.496 χ^2/NDF:13820.2/6

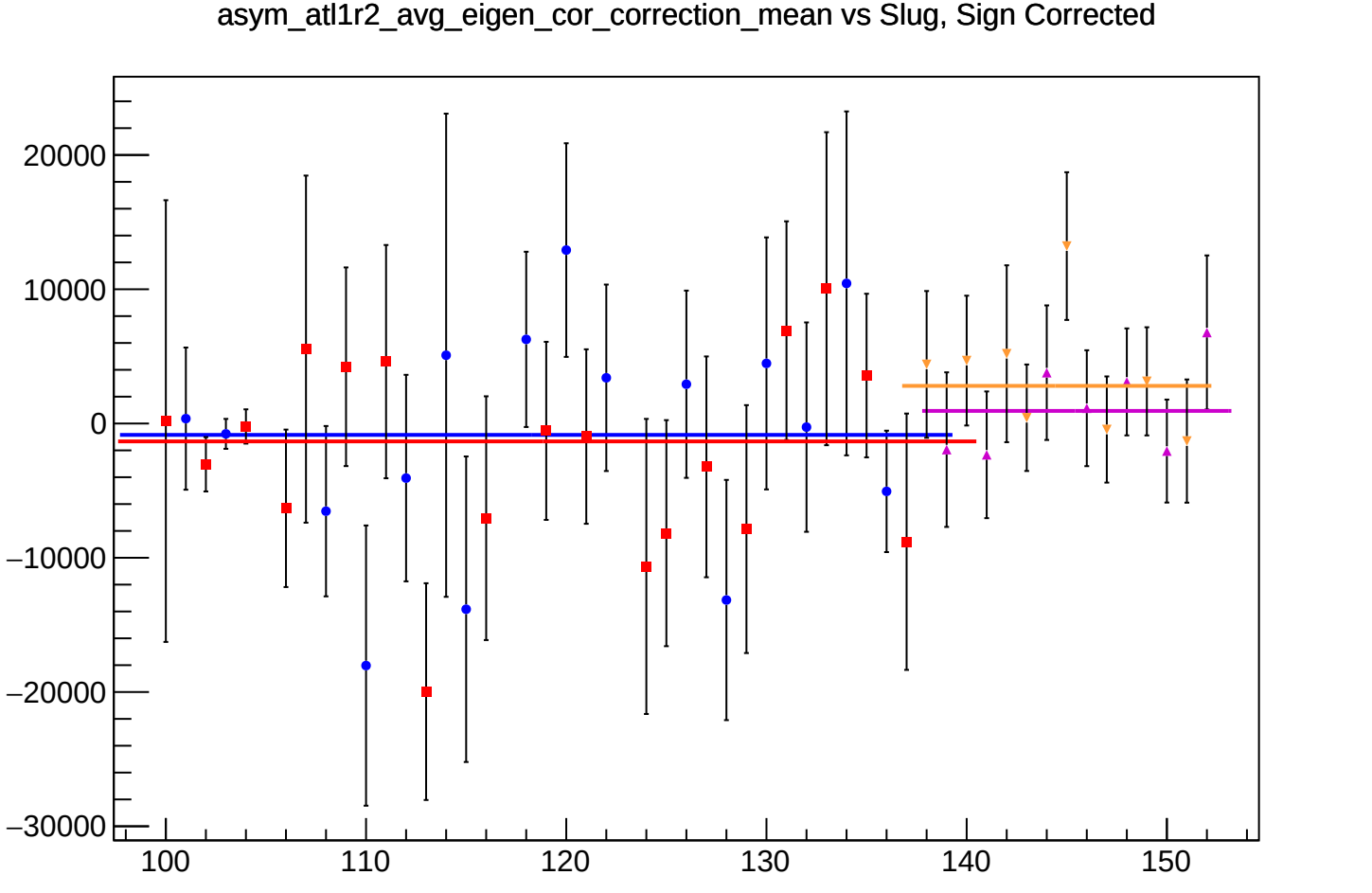
Left: 1753.785+/-0.353 χ^2/NDF: 54252.9/14

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1795.452+/-0.349 χ^2/NDF:306070.1/22

Out: 1832.894+/-0.355 χ^2/NDF:430303.0/26

All: 1813.877+/-0.249 χ^2/NDF: 742037.7/49



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: 939.425+/-1741.058 χ^2/NDF:3.0/6

Left: 1923.741+/-1196.129 χ^2/NDF: 9.4/14

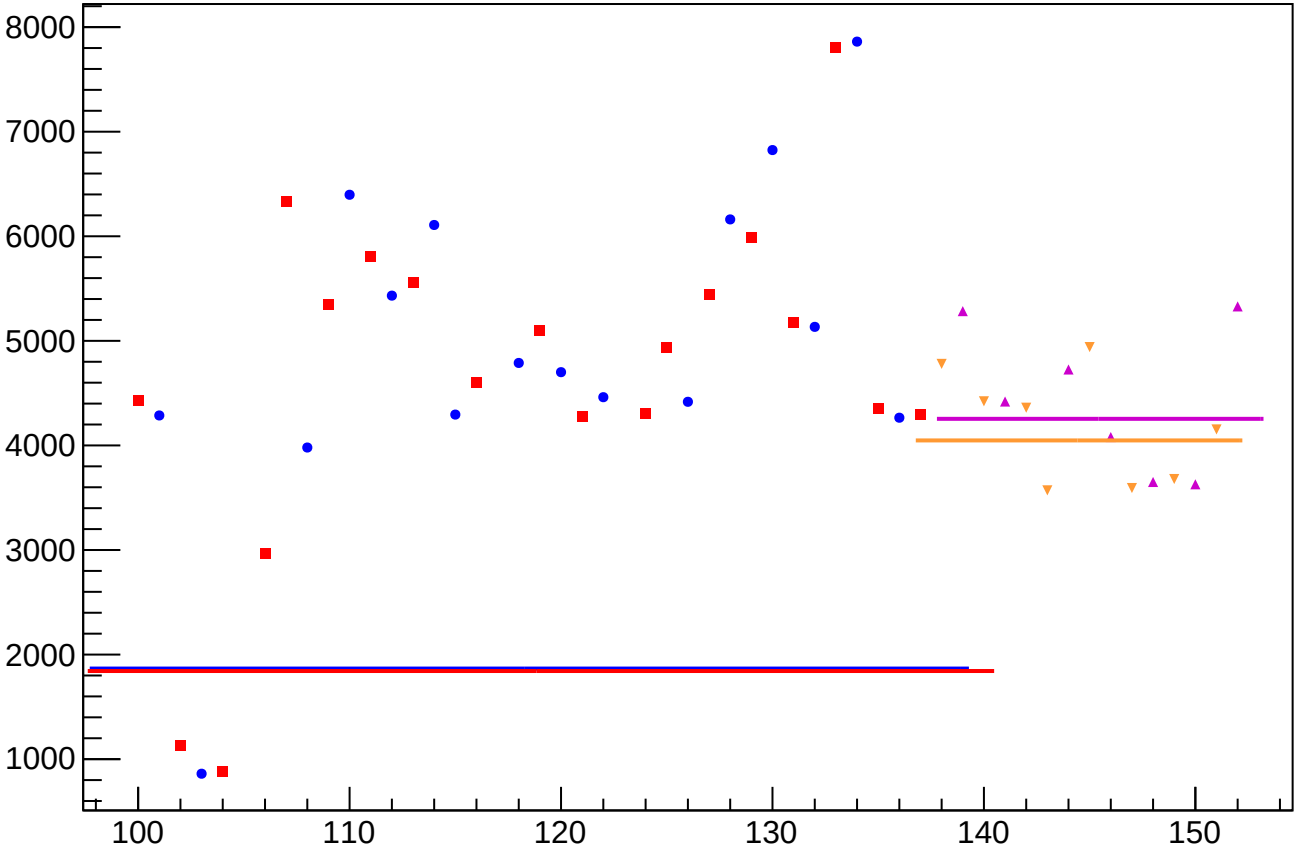
Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -428.980+/-842.597 χ^2/NDF:17.7/22

Out: -301.234+/-821.611 χ^2/NDF:25.0/26

All: -363.496+/-588.246 χ^2/NDF: 42.6/49

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: 4254.327+/-1.231 χ^2/NDF:256790.3/6

Left: 4145.293+/-0.846 χ^2/NDF: 449988.6/14

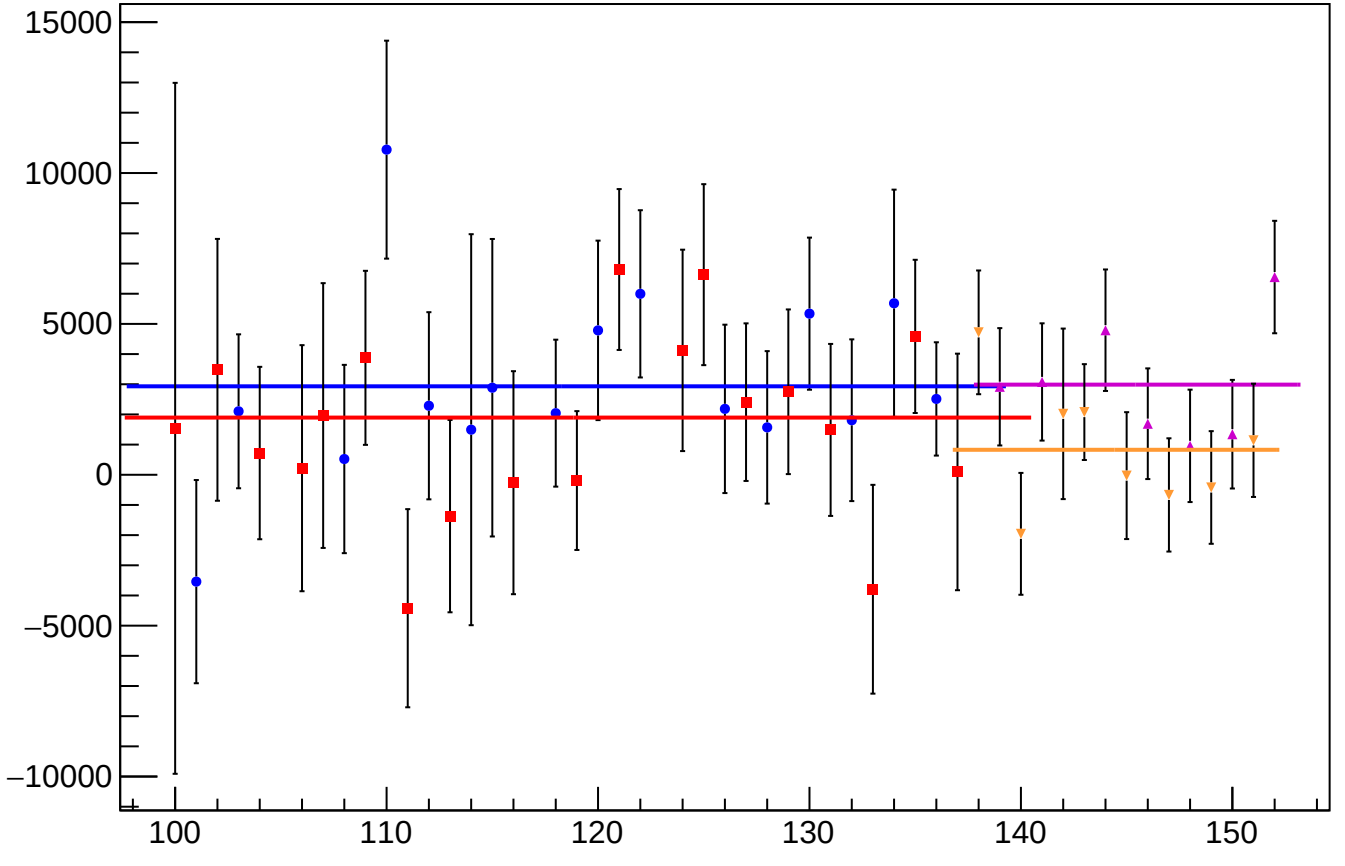
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2425.572+/-0.596 χ^2/NDF:9988274.5/22

Out: 2392.194+/-0.581 χ^2/NDF:9331319.3/26

All: 2408.462+/-0.416 χ^2/NDF: 19321202.6/4

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: 2987.282+/-714.538 χ^2/NDF:7.0/6

Left: 1873.675+/-497.237 χ^2/NDF: 19.3/14

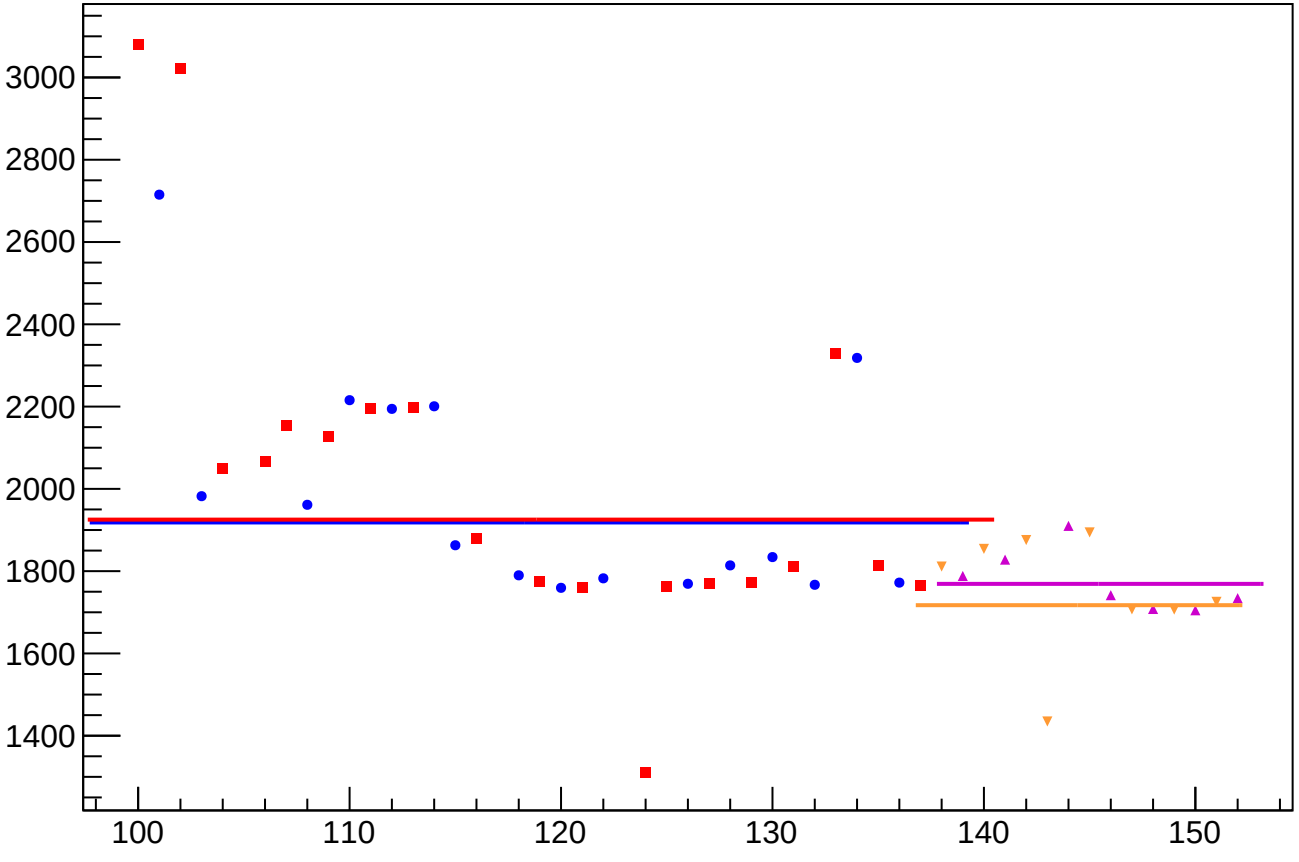
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2959.632+/-506.581 χ^2/NDF:20.0/22

Out: 1339.469+/-499.716 χ^2/NDF:26.1/26

All: 2138.498+/-355.755 χ^2/NDF: 51.3/49

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: 1769.071+/-0.505 χ^2/NDF:17674.5/6

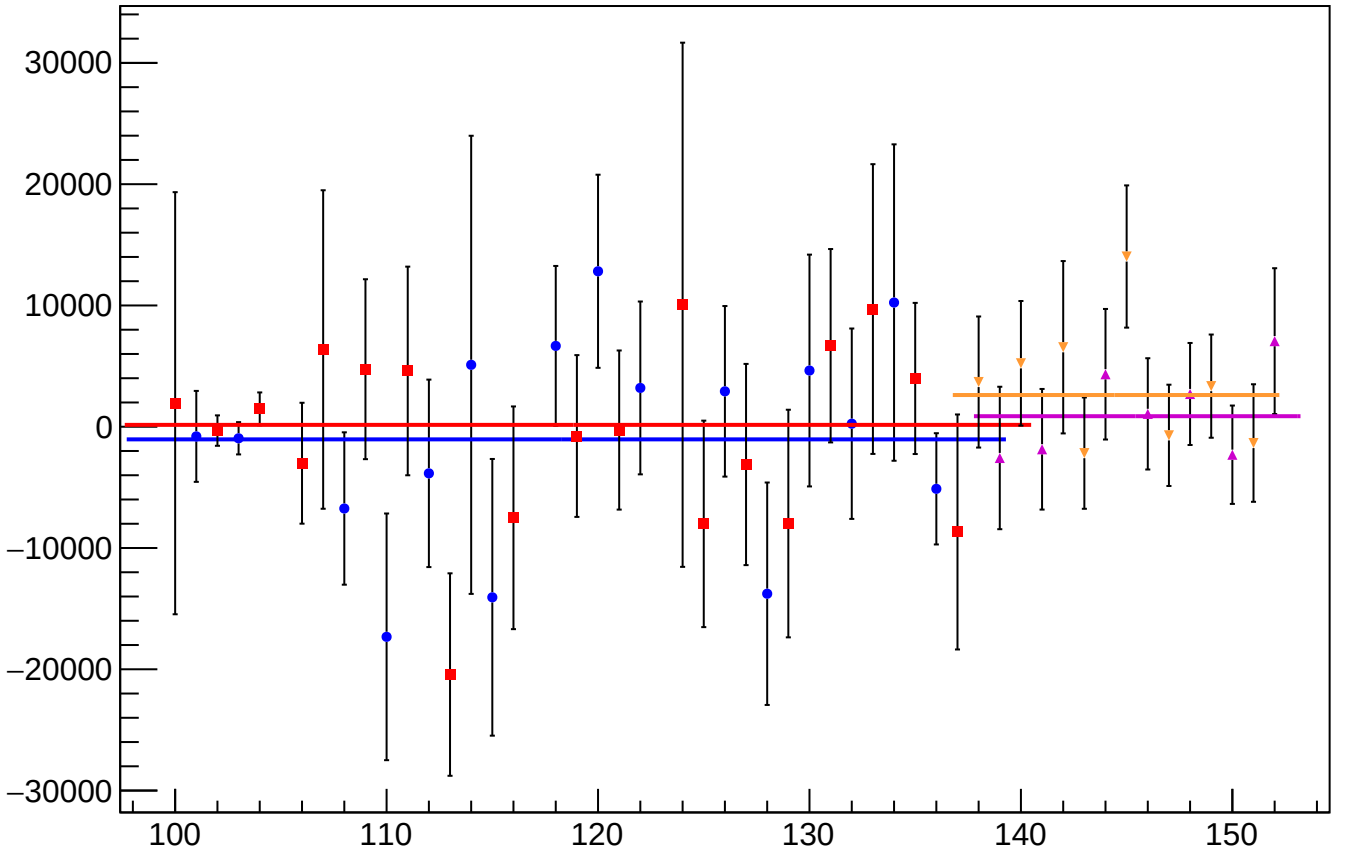
Left: 1742.356+/-0.352 χ^2/NDF: 120457.5/14

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1843.327+/-0.358 χ^2/NDF:276693.9/22

Out: 1817.004+/-0.353 χ^2/NDF:522997.0/26

All: 1829.981+/-0.252 χ^2/NDF: 802428.7/49



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: 868.772+/-1836.779 χ^2/NDF:2.9/6

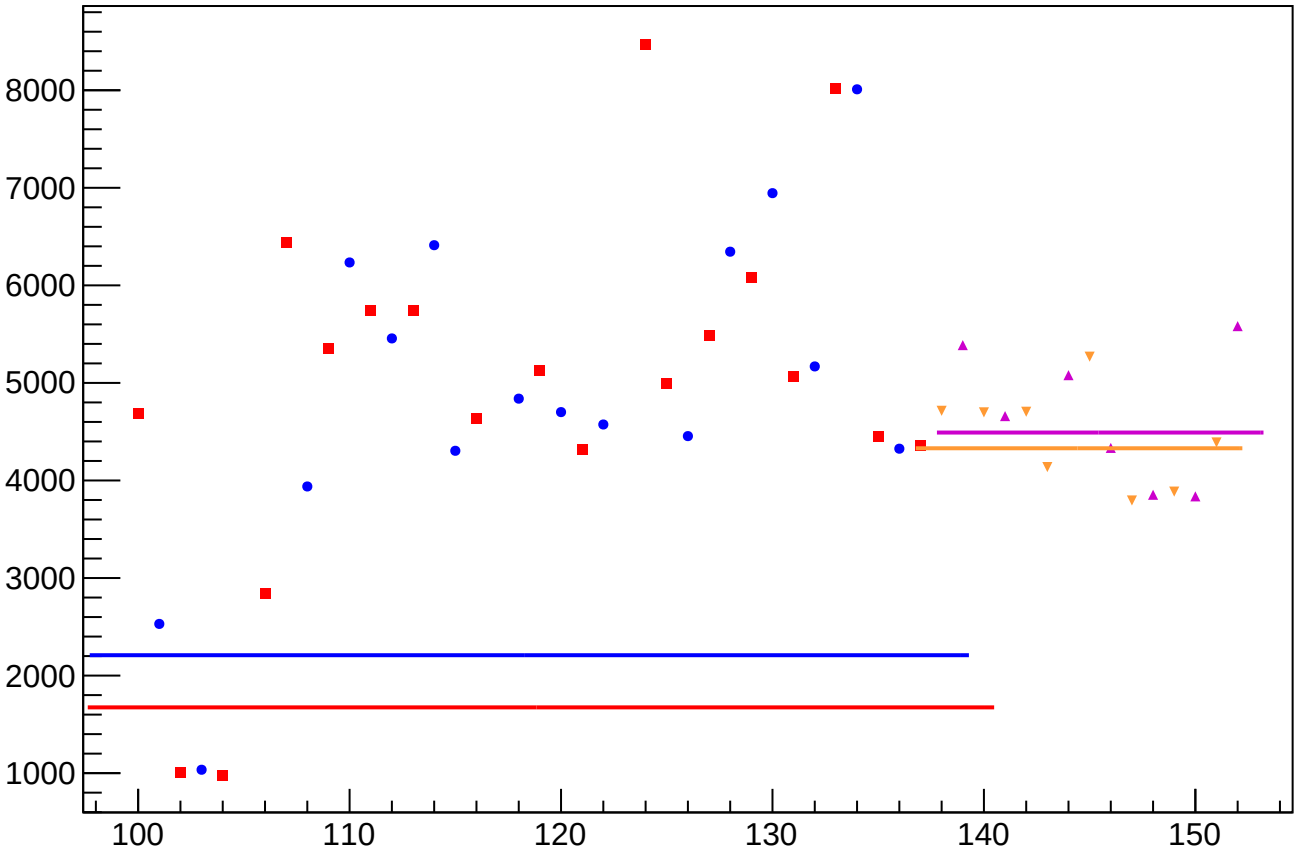
Left: 1779.983+/-1269.972 χ^2/NDF: 10.2/14

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -556.170+/-926.113 χ^2/NDF:17.6/22

Out: 607.255+/-754.716 χ^2/NDF:22.1/26

All: 142.958+/-585.049 χ^2/NDF: 40.7/49



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: 4491.273+/-1.299 χ^2/NDF:238902.2/6

Left: 4407.147+/-0.898 χ^2/NDF: 382608.6/14

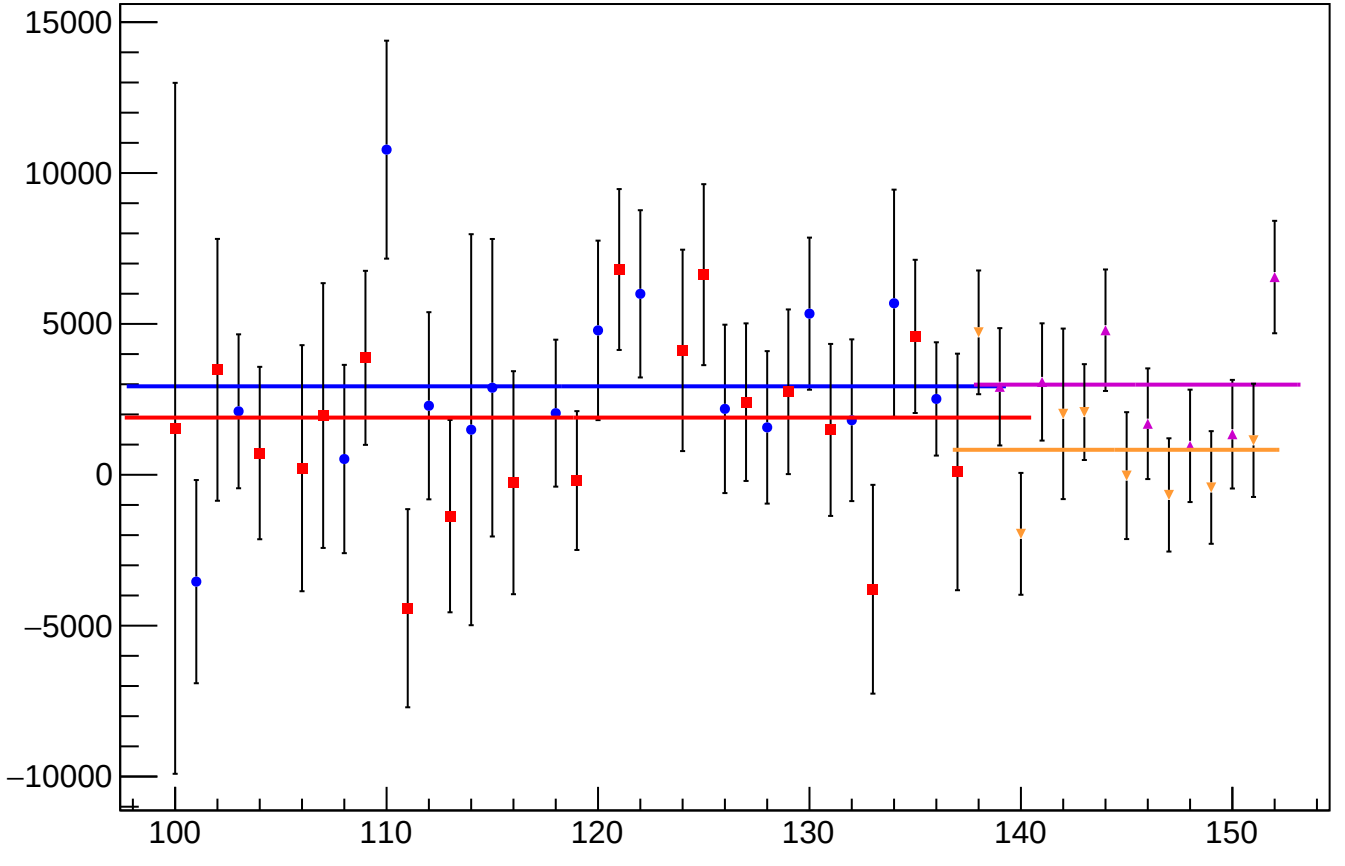
Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2789.139+/-0.655 χ^2/NDF:8040914.0/22

Out: 2163.742+/-0.534 χ^2/NDF:10712938.7/26

All: 2413.324+/-0.414 χ^2/NDF: 19301918.8/4

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: 2987.278+/-714.538 χ^2/NDF:7.0/6

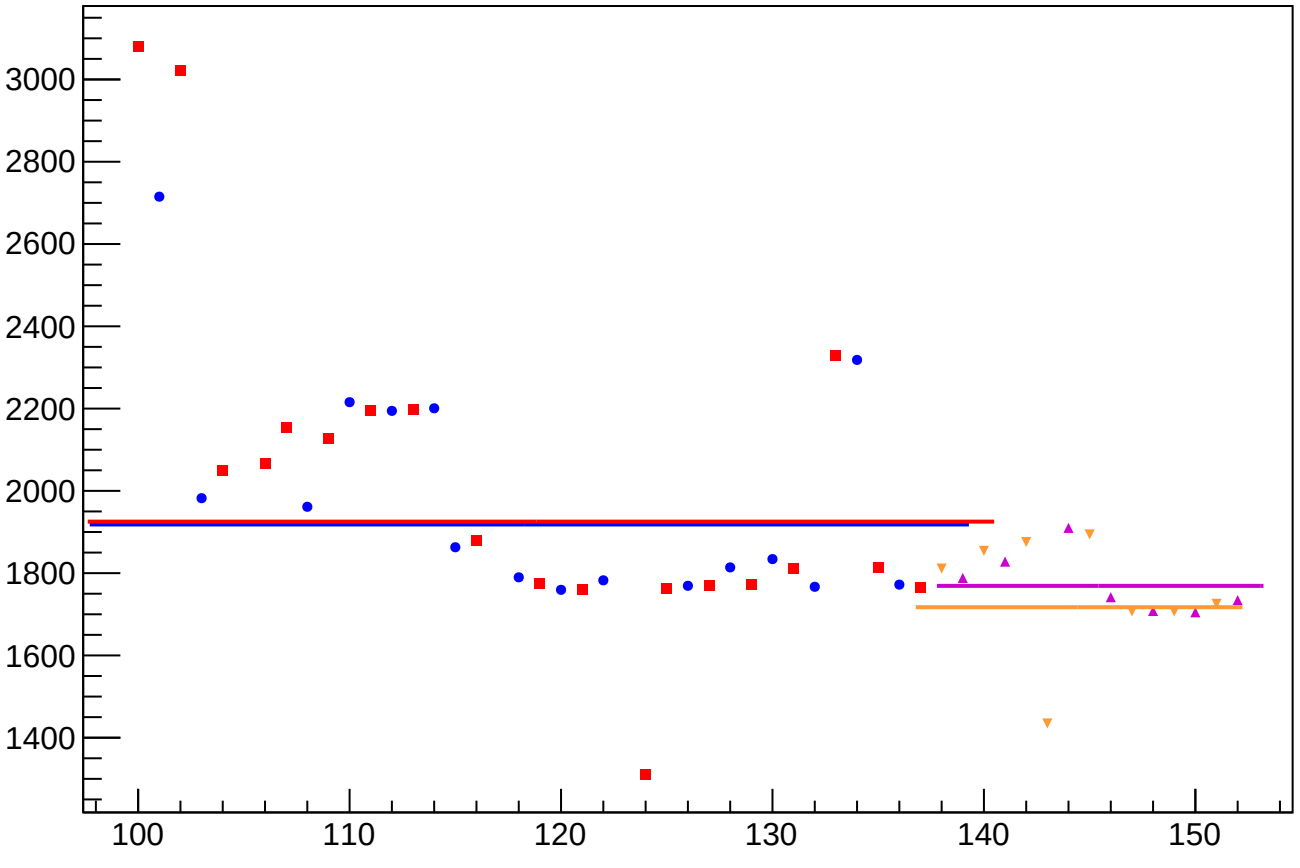
Left: 1873.673+/-497.238 χ^2/NDF: 19.3/14

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2959.632+/-506.581 χ^2/NDF:20.0/22

Out: 1339.471+/-499.717 χ^2/NDF:26.1/26

All: 2138.499+/-355.755 χ^2/NDF: 51.3/49



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: 1769.072+/-0.505 χ^2/NDF:17674.5/6

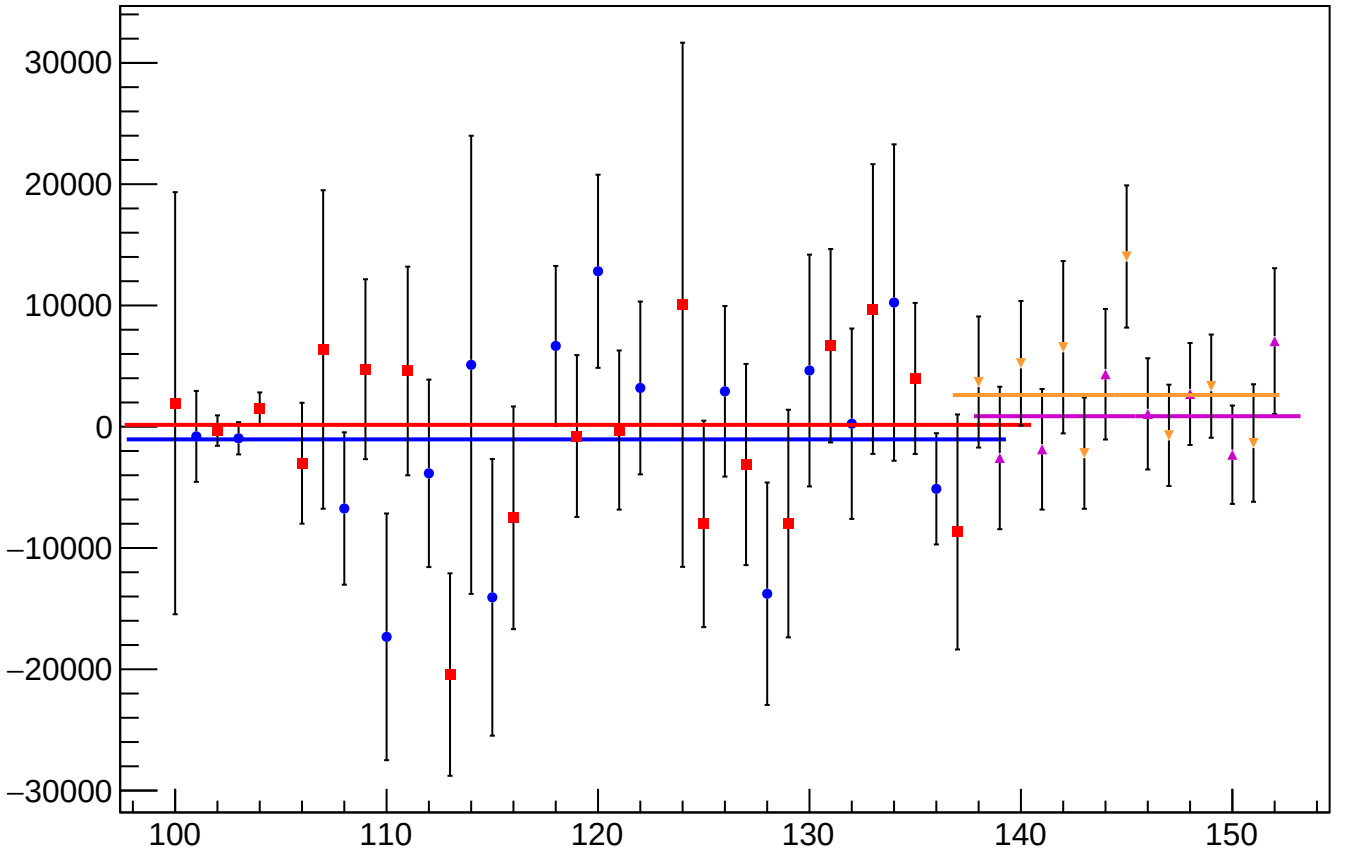
Left: 1742.357+/-0.352 χ^2/NDF: 120456.5/14

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1843.327+/-0.358 χ^2/NDF:276693.1/22

Out: 1817.005+/-0.353 χ^2/NDF:522993.7/26

All: 1829.981+/-0.252 χ^2/NDF: 802424.6/49



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: 868.769+/-1836.782 χ^2/NDF:2.9/6

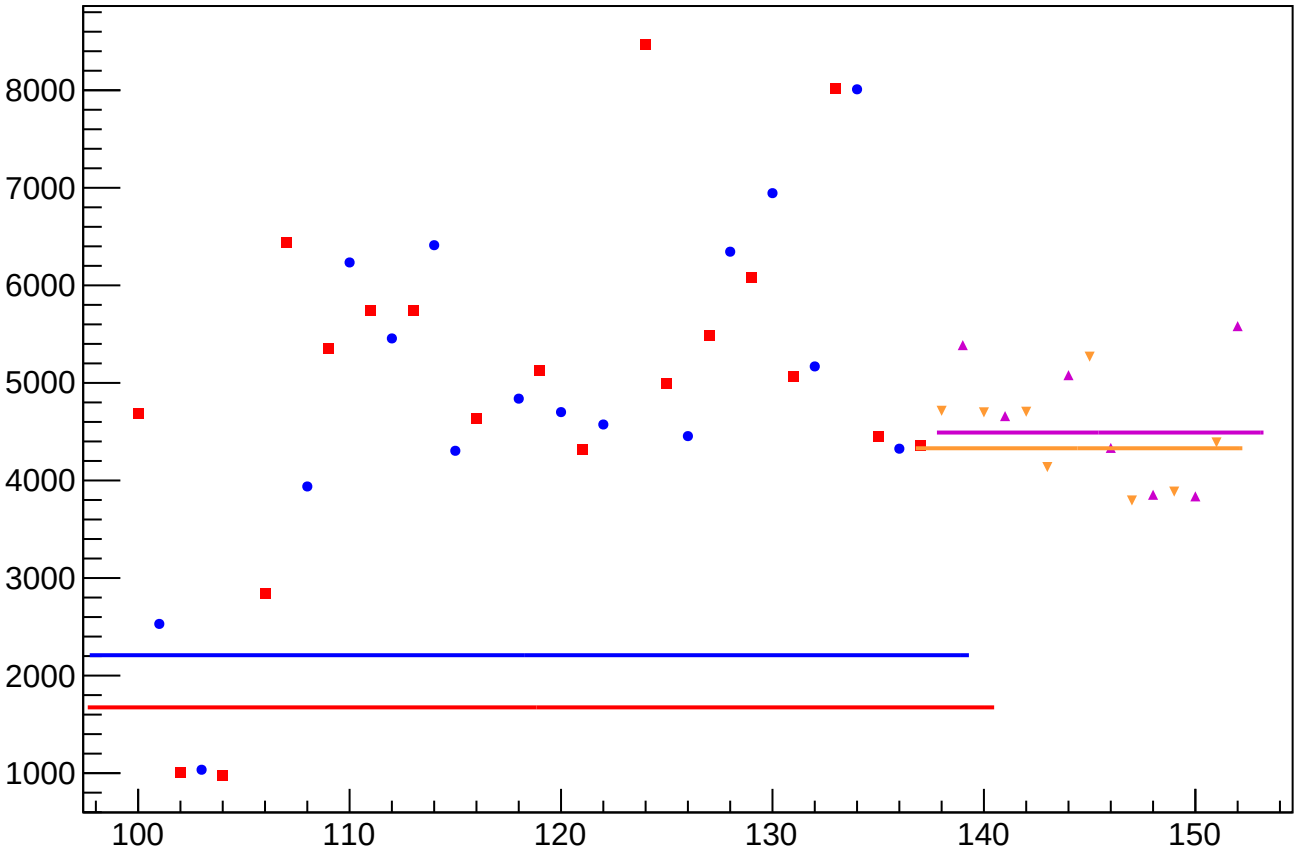
Left: 1779.982+/-1269.974 χ^2/NDF: 10.2/14

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -556.171+/-926.113 χ^2/NDF:17.6/22

Out: 607.249+/-754.716 χ^2/NDF:22.1/26

All: 142.954+/-585.049 χ^2/NDF: 40.7/49



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: 4491.279+/-1.299 χ^2/NDF:238900.6/6

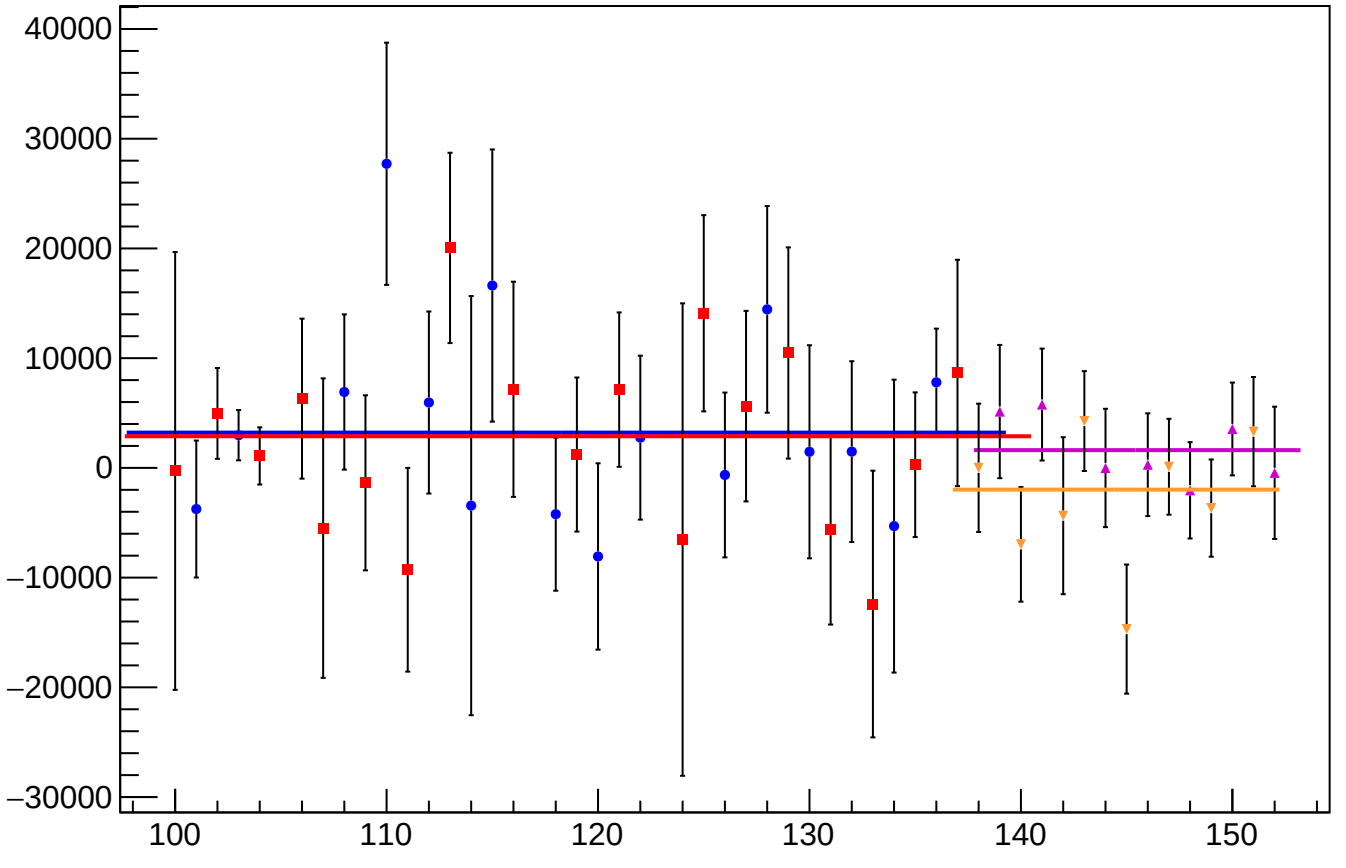
Left: 4407.154+/-0.898 χ^2/NDF: 382606.5/14

Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2789.139+/-0.655 χ^2/NDF:8040915.9/22

Out: 2163.741+/-0.534 χ^2/NDF:10712941.1/26

All: 2413.323+/-0.414 χ^2/NDF: 19301923.2/4



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: 1617.433+/-1886.918 χ^2/NDF:2.2/6

Left: -260.064+/-1305.081 χ^2/NDF: 13.3/14

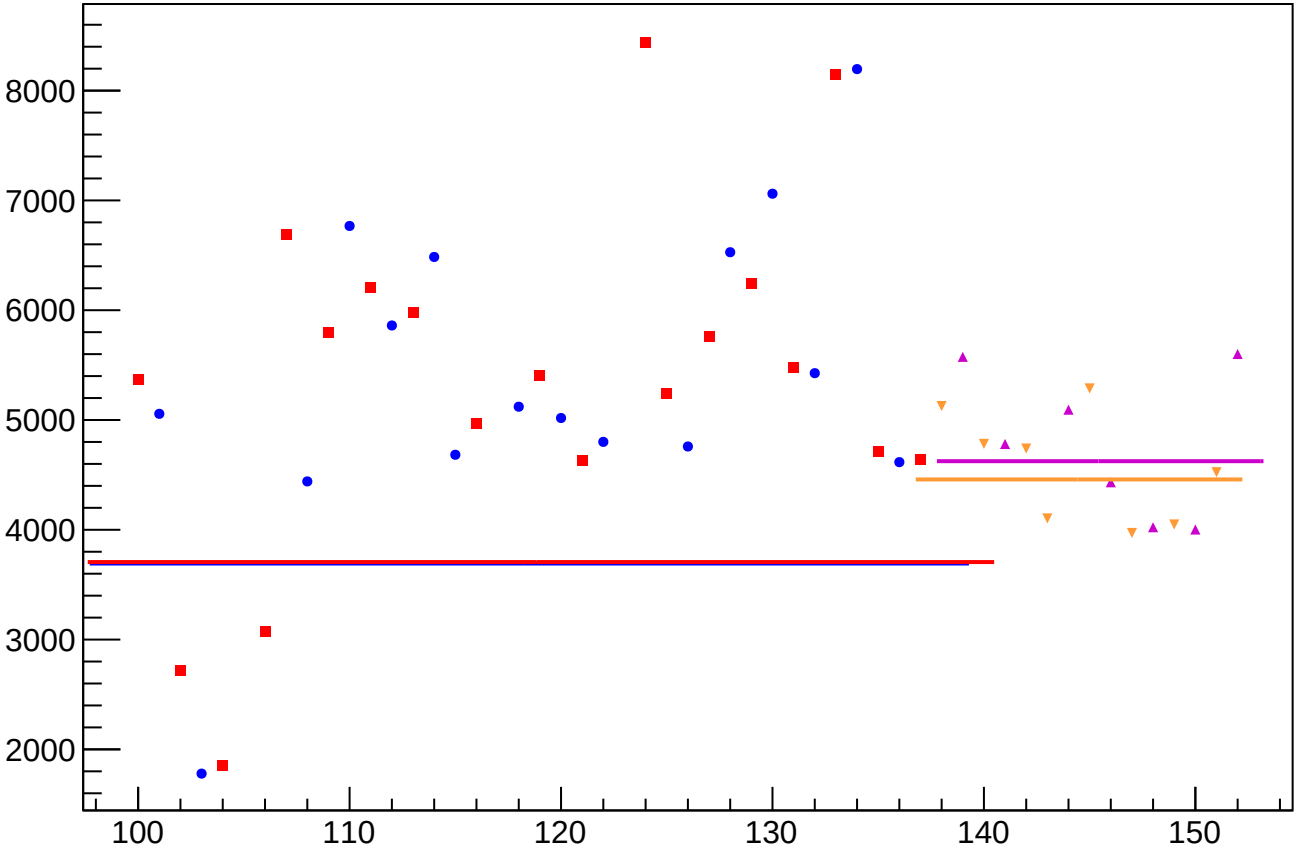
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2577.087+/-1192.740 χ^2/NDF:16.4/22

Out: 817.812+/-1177.407 χ^2/NDF:26.8/26

All: 1686.069+/-837.921 χ^2/NDF: 44.3/49

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: 4624.946+/-1.334 χ^2/NDF:202662.2/6

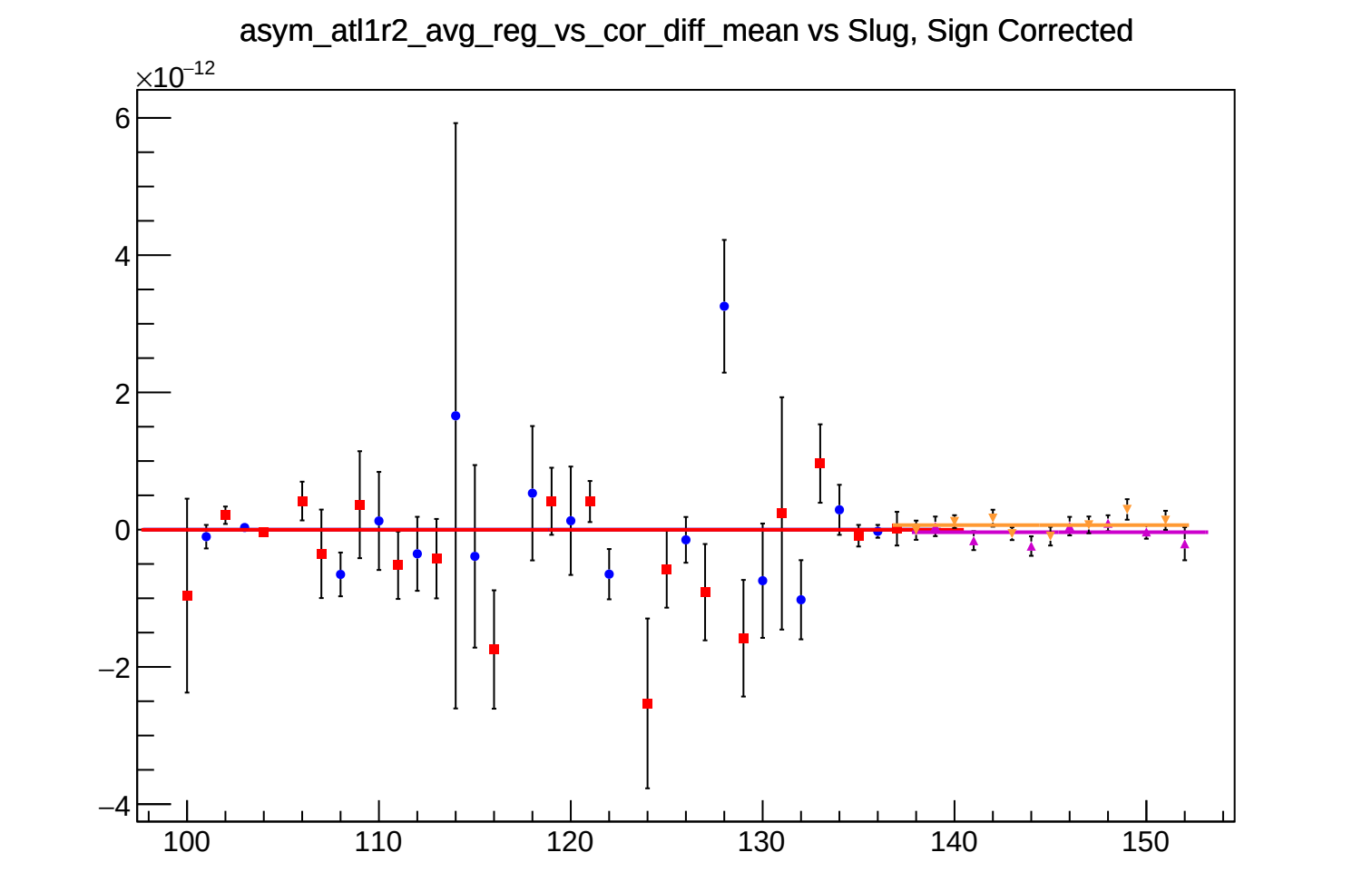
Left: 4538.110+/-0.923 χ^2/NDF: 341998.0/14

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4065.261+/-0.843 χ^2/NDF:3381371.9/22

Out: 4021.832+/-0.828 χ^2/NDF:3016969.1/26

All: 4043.140+/-0.591 χ^2/NDF: 6399691.6/49



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/7

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/6

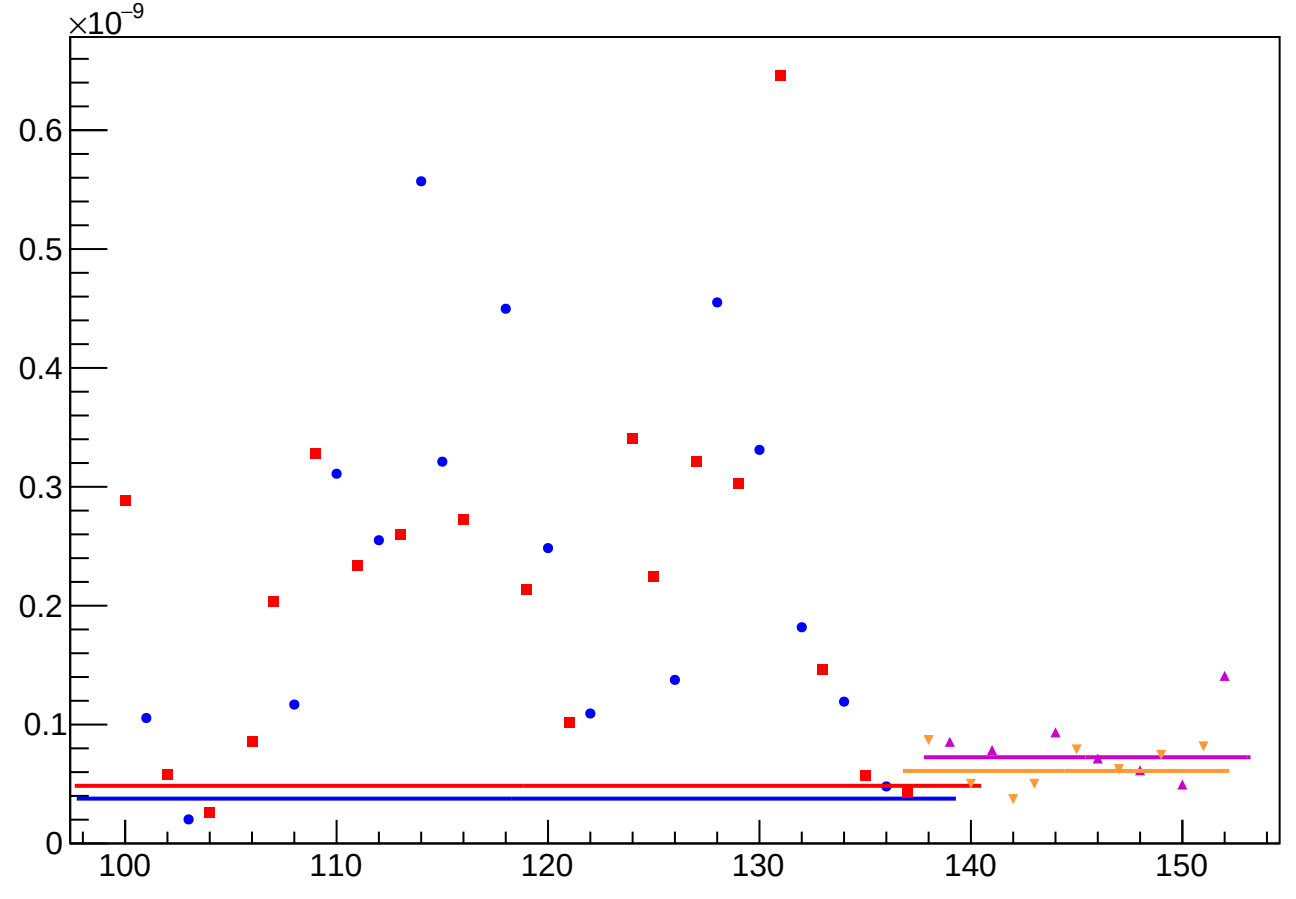
Left: 0.000+/-0.000 χ^2/NDF: 15.0/14

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:31.2/22

Out: 0.000+/-0.000 χ^2/NDF:36.5/26

All: 0.000+/-0.000 χ^2/NDF: 68.9/49



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:349024.2/6

Left: 0.000+/-0.000 χ^2/NDF: 705036.1/14

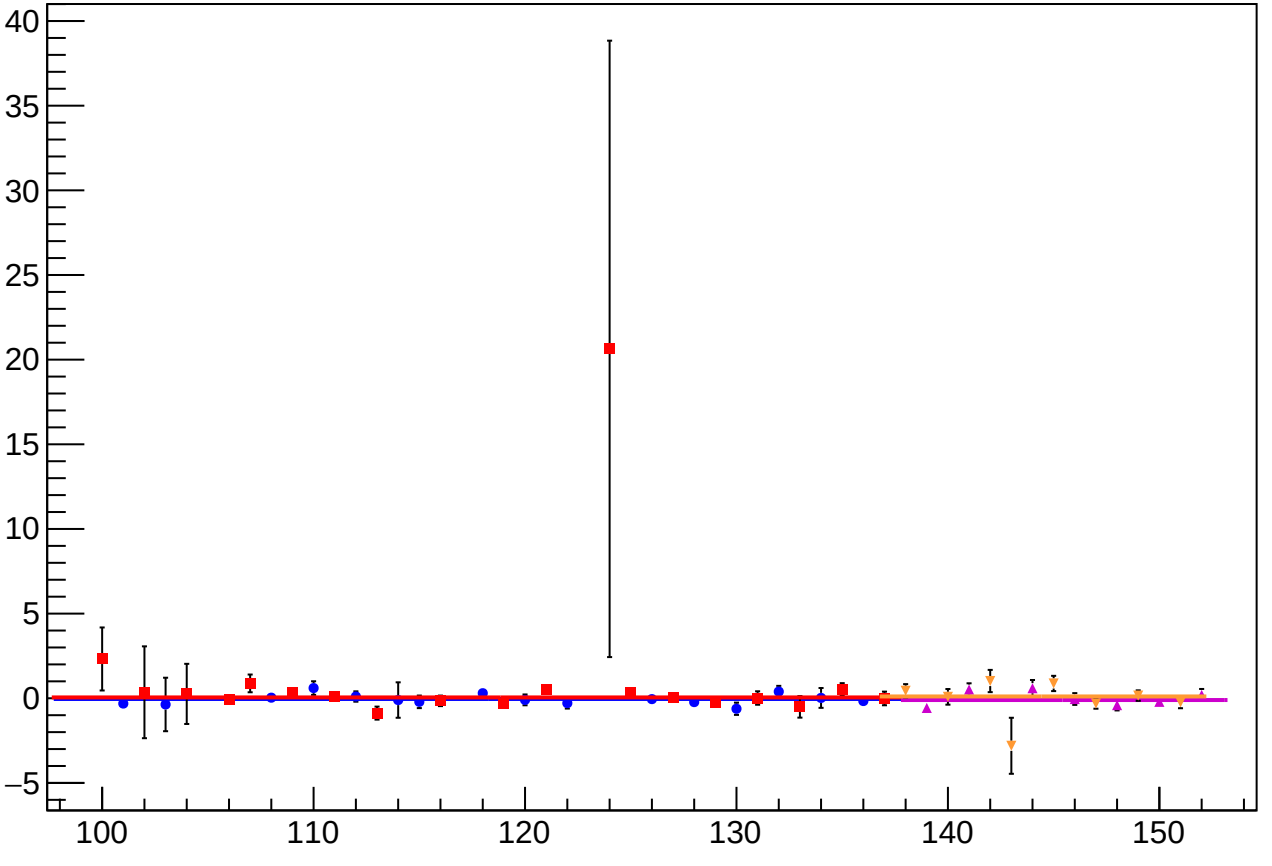
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:4123360.9/22

Out: 0.000+/-0.000 χ^2/NDF:3272055.0/26

All: 0.000+/-0.000 χ^2/NDF: 7428179.3/49

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: -0.104+/-0.126 χ^2/NDF:9.7/6

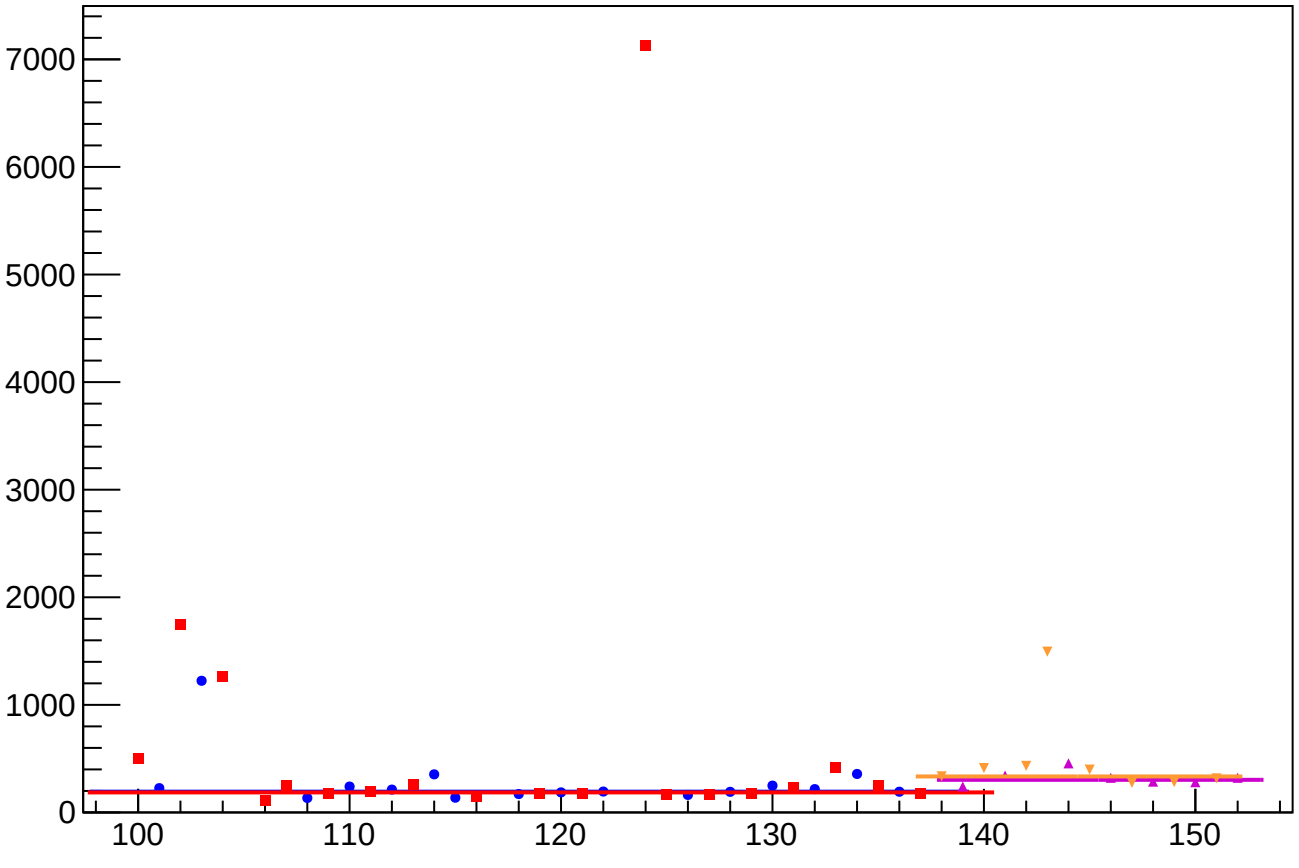
Left: -0.013+/-0.095 χ^2/NDF: 22.5/14

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.059+/-0.066 χ^2/NDF:21.6/22

Out: 0.063+/-0.069 χ^2/NDF:34.7/26

All: -0.001+/-0.048 χ^2/NDF: 57.9/49



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: 303.297+/-0.089 χ^2/NDF:354898.7/6

Left: 316.899+/-0.067 χ^2/NDF: 1671557.2/14

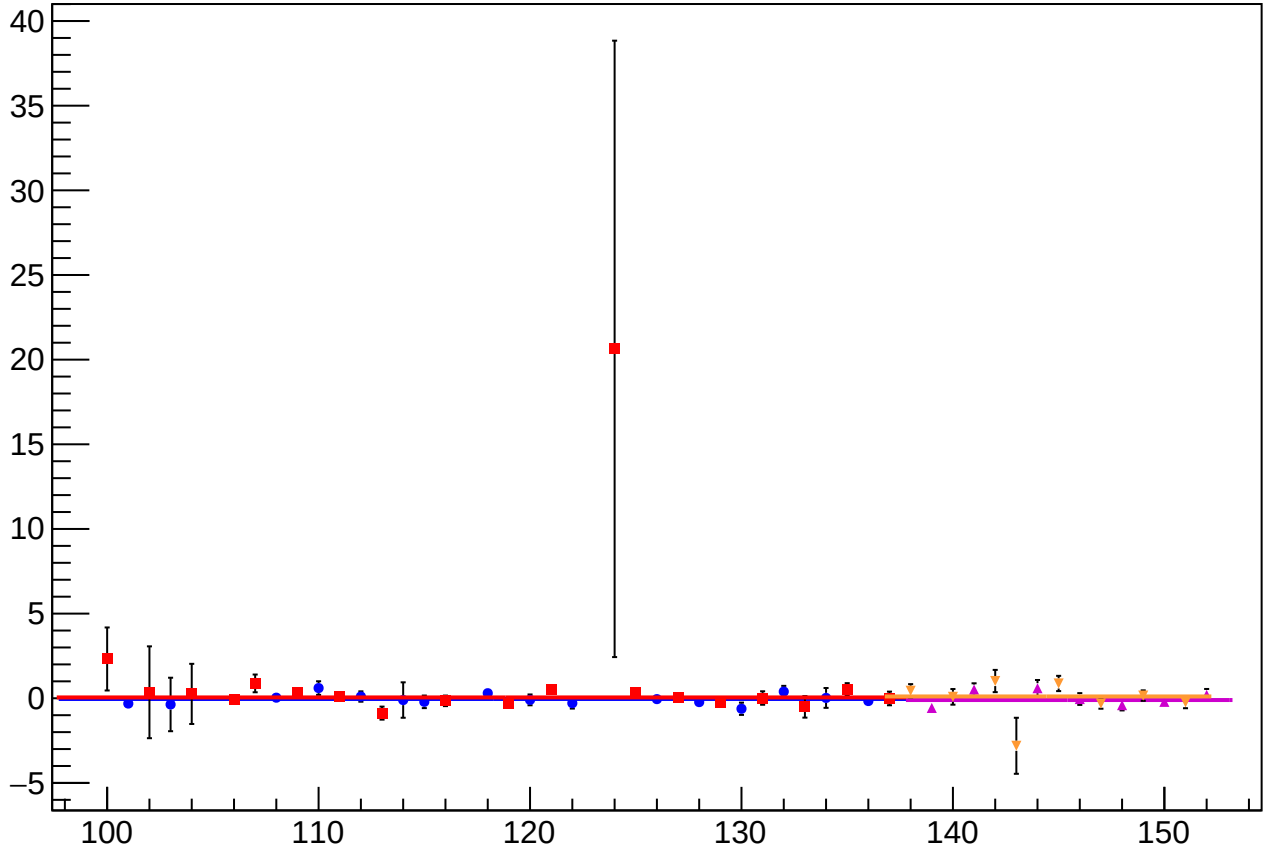
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 223.610+/-0.047 χ^2/NDF:2868633.7/22

Out: 220.584+/-0.049 χ^2/NDF:5375869.4/26

All: 222.163+/-0.034 χ^2/NDF: 8246504.1/49

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: -0.104+/-0.126 χ^2/NDF:9.7/6

Left: -0.013+/-0.095 χ^2/NDF: 22.5/14

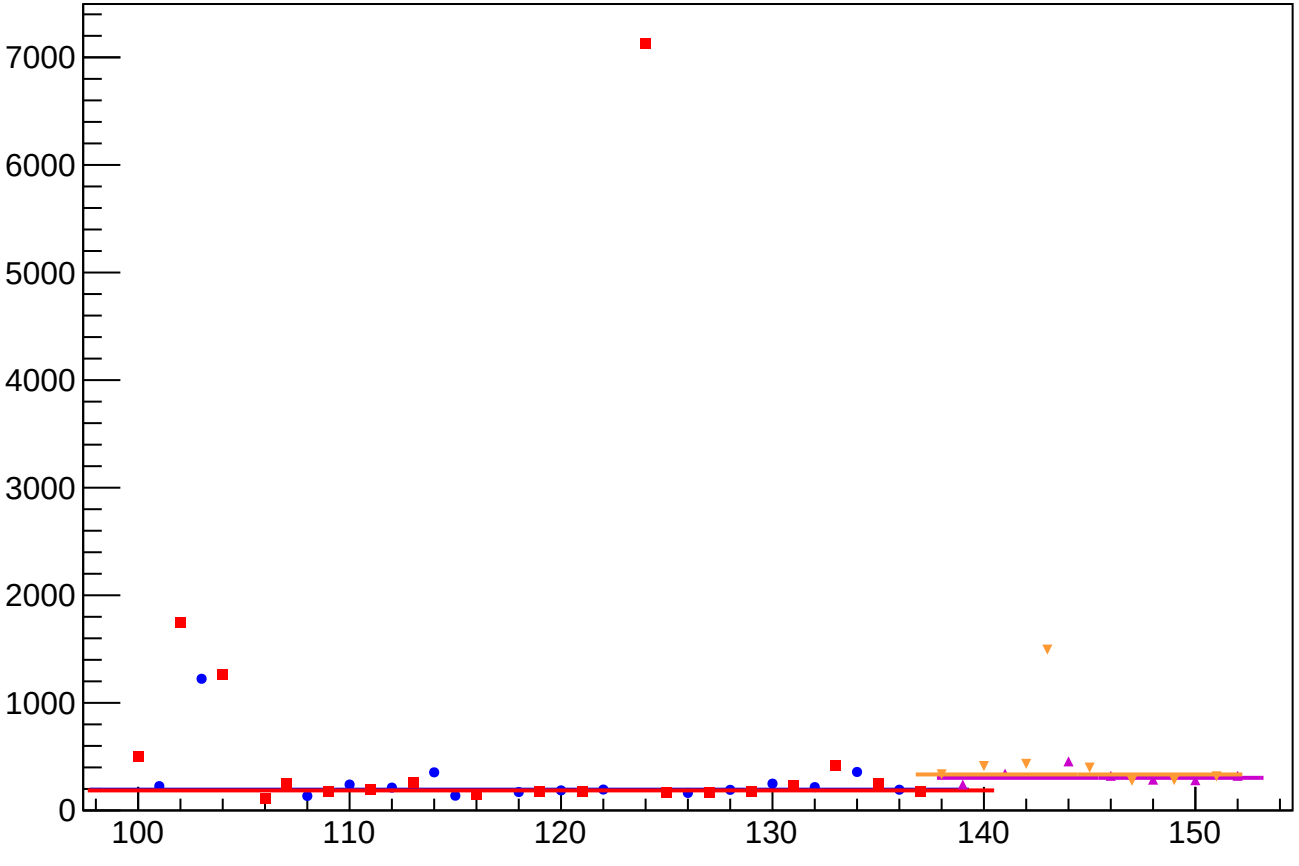
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.059+/-0.066 χ^2/NDF:21.6/22

Out: 0.063+/-0.069 χ^2/NDF:34.7/26

All: -0.001+/-0.048 χ^2/NDF: 57.9/49

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: 303.297+/-0.089 χ^2/NDF:354898.7/6

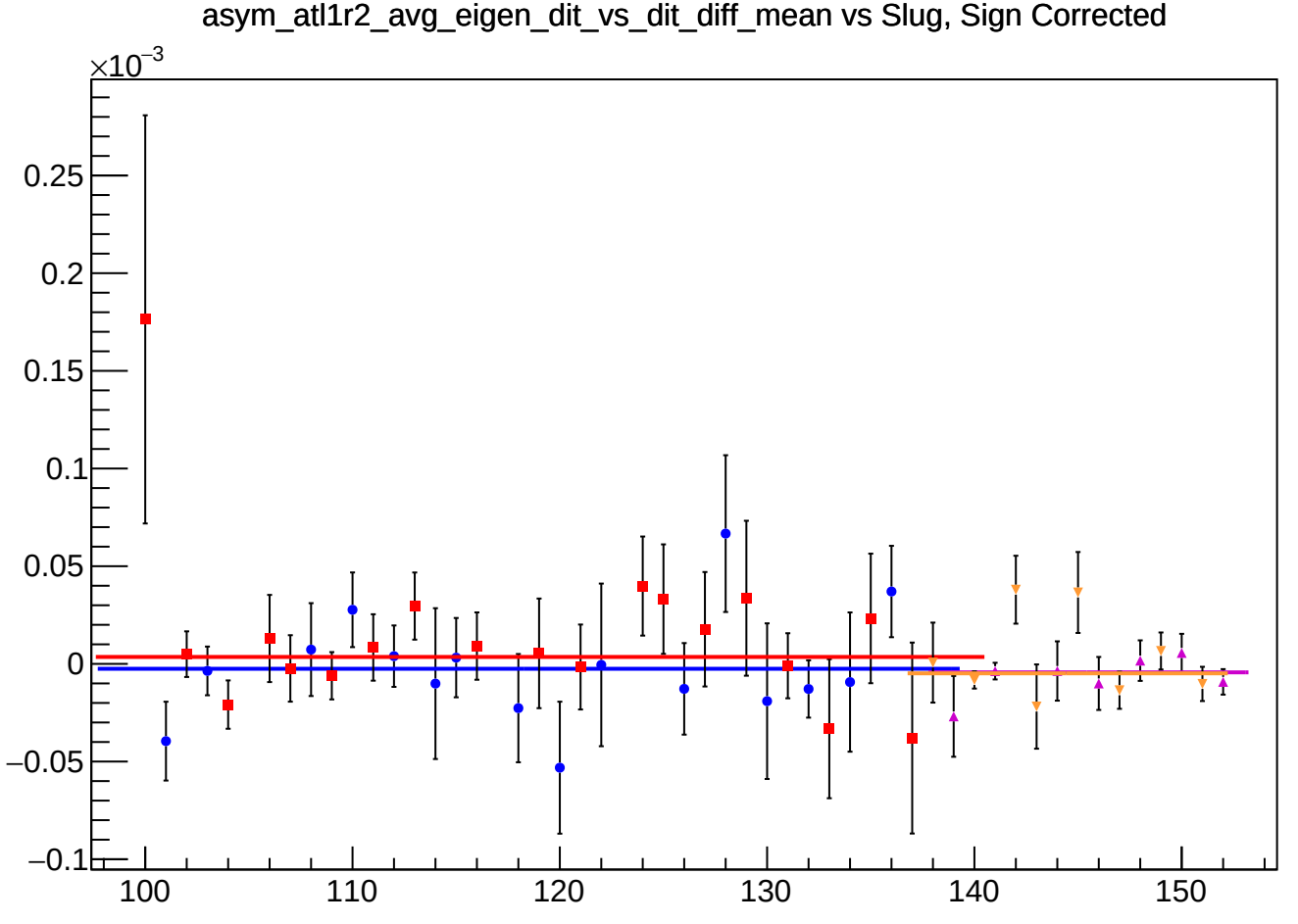
Left: 316.899+/-0.067 χ^2/NDF: 1671557.2/14

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 223.610+/-0.047 χ^2/NDF:2868633.7/22

Out: 220.584+/-0.049 χ^2/NDF:5375869.4/26

All: 222.163+/-0.034 χ^2/NDF: 8246504.1/49



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/6

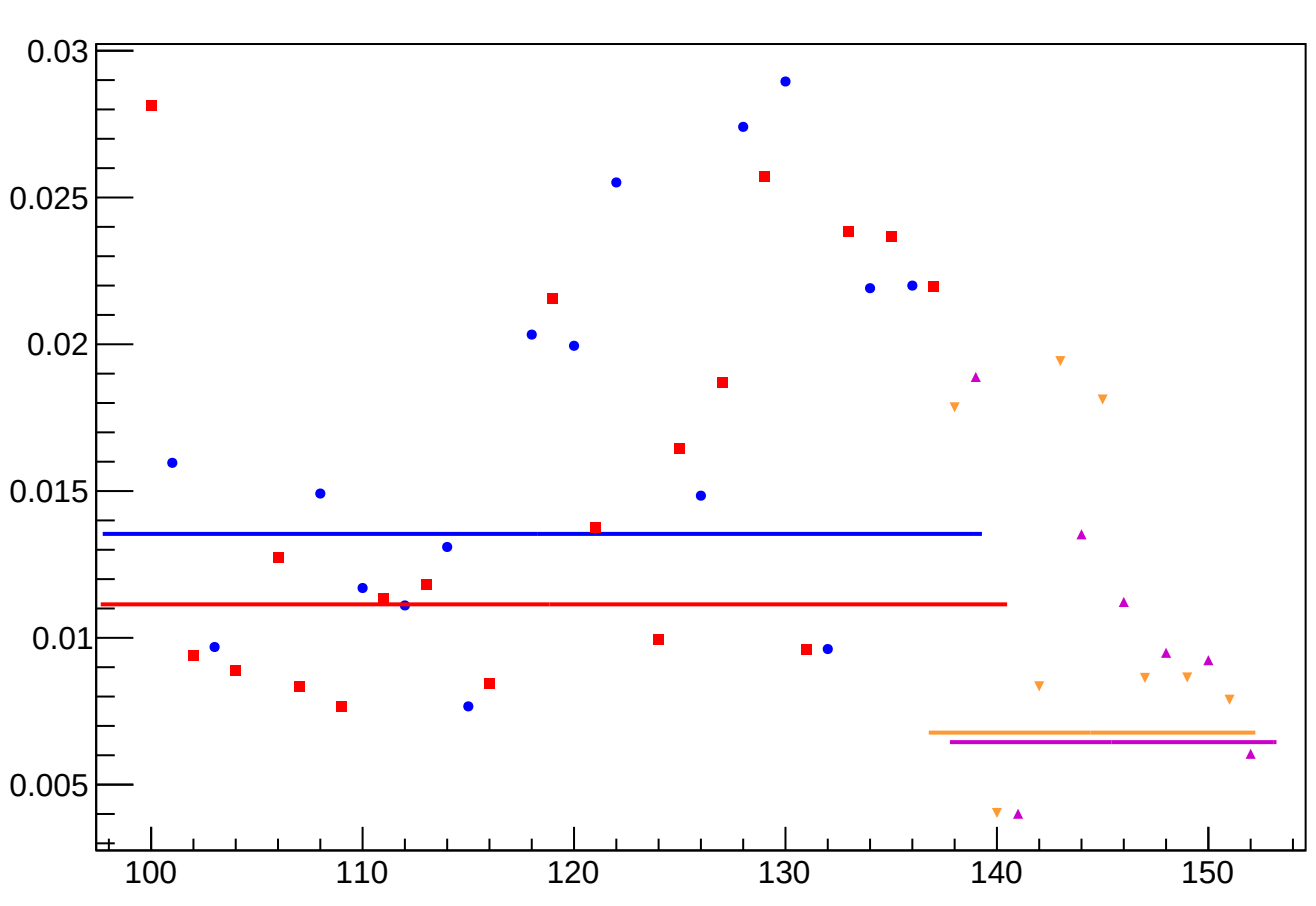
Left: -0.000+/-0.000 χ^2/NDF: 17.4/14

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:19.2/22

Out: -0.000+/-0.000 χ^2/NDF:32.7/26

All: -0.000+/-0.000 χ^2/NDF: 52.2/49



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: 0.006+/-0.000 χ^2/NDF:2402786.5/6

Left: 0.007+/-0.000 χ^2/NDF: 5267367.2/14

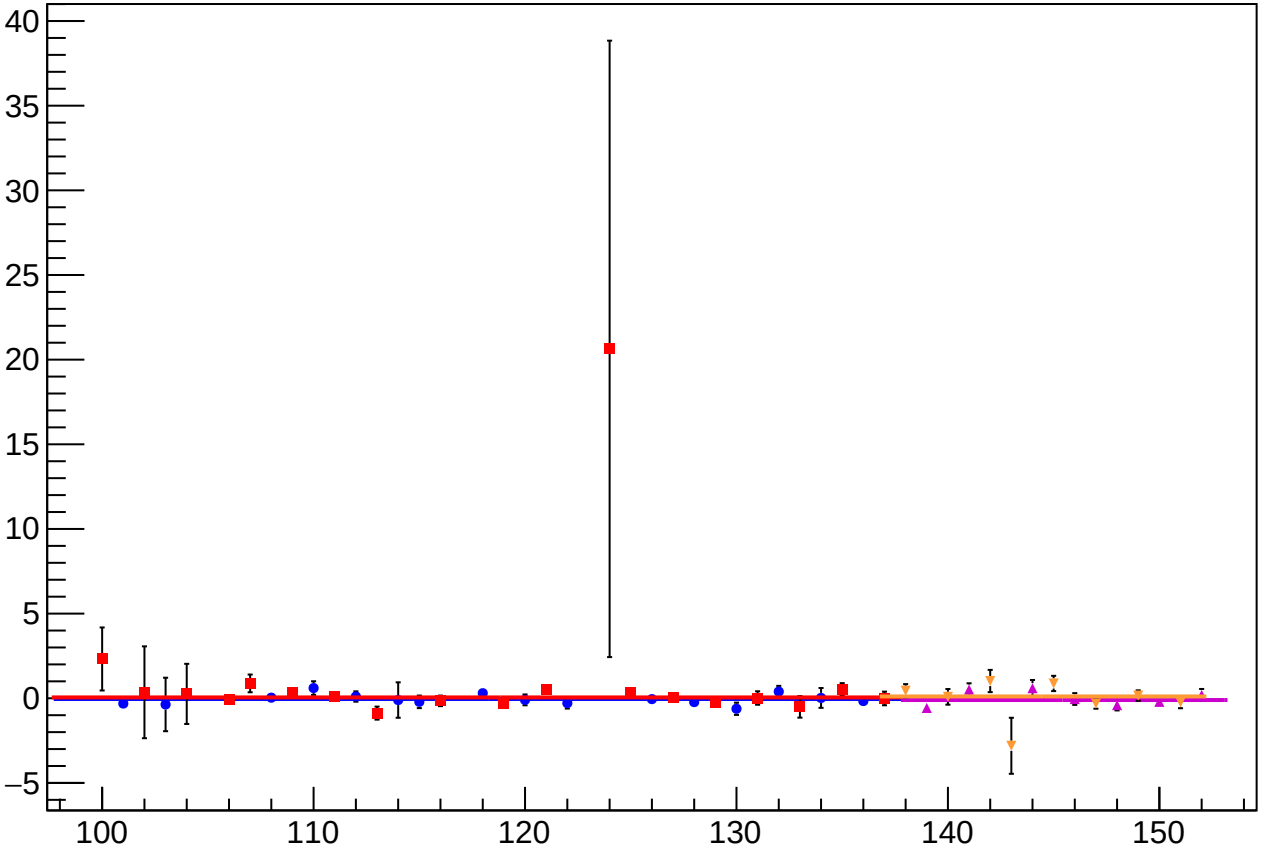
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:6874312.1/22

Out: 0.008+/-0.000 χ^2/NDF:6005060.4/26

All: 0.008+/-0.000 χ^2/NDF: 12882877.8/49

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: -0.104+/-0.126 χ^2/NDF:9.7/6

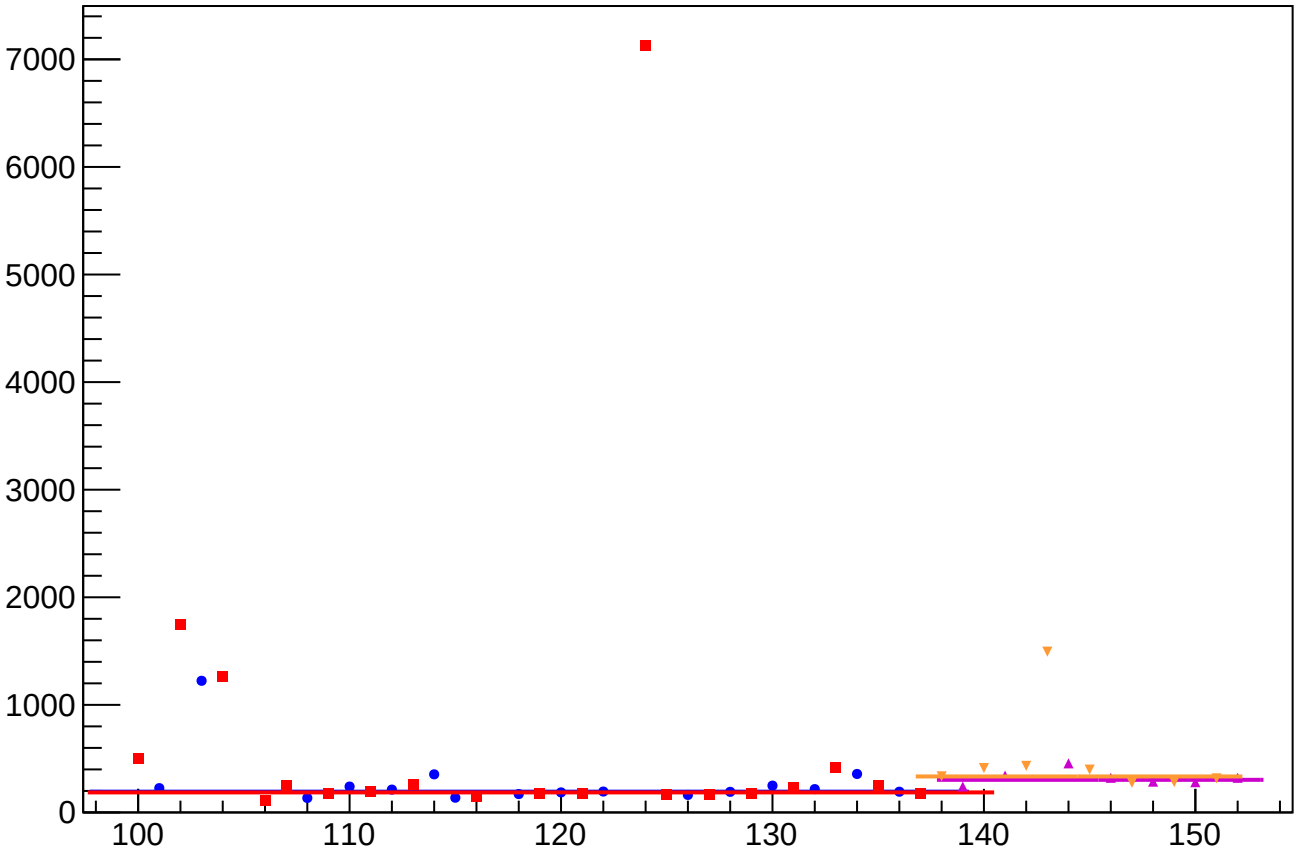
Left: -0.013+/-0.095 χ^2/NDF: 22.5/14

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.059+/-0.066 χ^2/NDF:21.6/22

Out: 0.063+/-0.069 χ^2/NDF:34.7/26

All: -0.001+/-0.048 χ^2/NDF: 57.9/49



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: 303.301+/-0.089 χ^2/NDF:354877.6/6

Left: 316.904+/-0.067 χ^2/NDF: 1671506.0/14

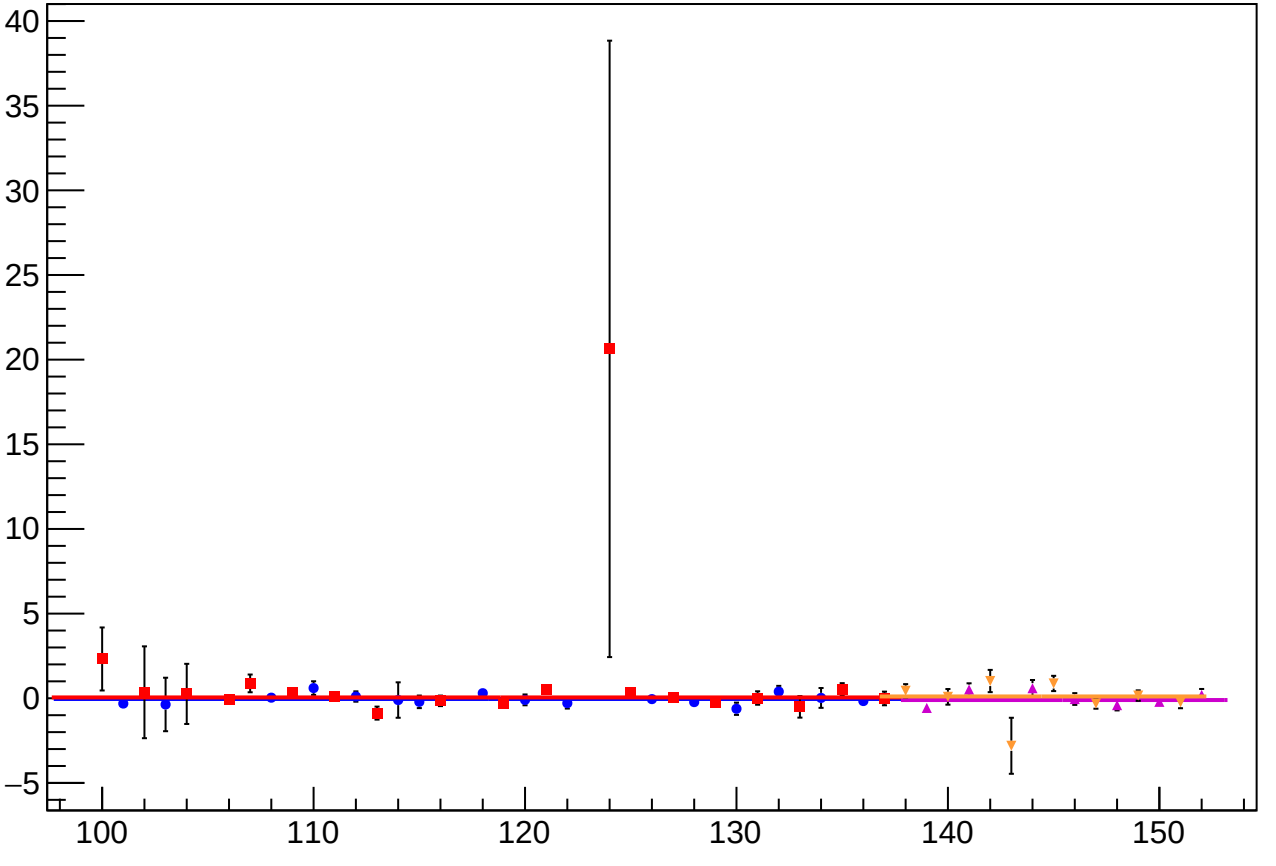
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 223.610+/-0.047 χ^2/NDF:2868706.5/22

Out: 220.582+/-0.049 χ^2/NDF:5375991.4/26

All: 222.162+/-0.034 χ^2/NDF: 8246700.4/49

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: -0.104+/-0.126 χ^2/NDF:9.7/6

Left: -0.013+/-0.095 χ^2/NDF: 22.5/14

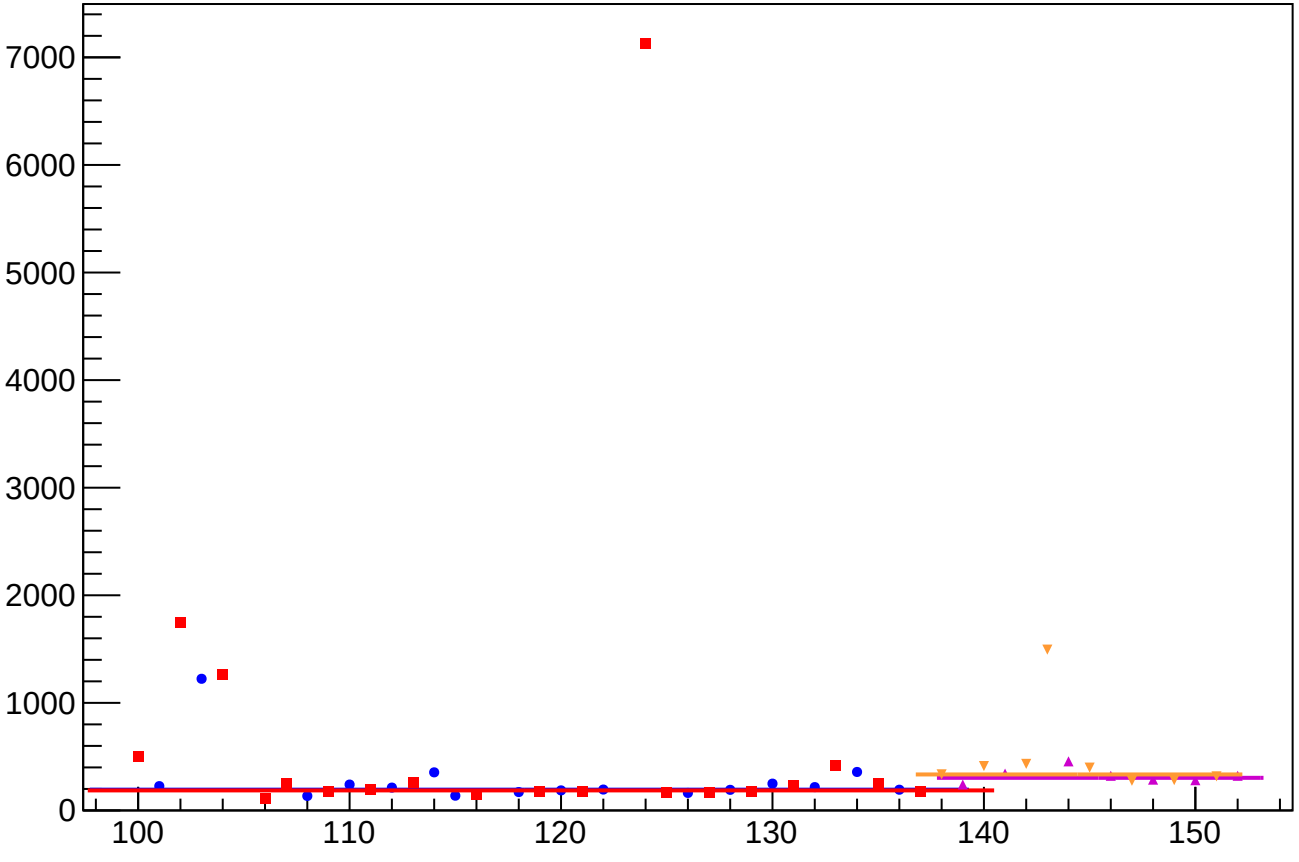
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.059+/-0.066 χ^2/NDF:21.6/22

Out: 0.063+/-0.069 χ^2/NDF:34.7/26

All: -0.001+/-0.048 χ^2/NDF: 57.9/49

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: 303.301+/-0.089 χ^2/NDF:354877.6/6

Left: 316.904+/-0.067 χ^2/NDF: 1671506.0/14

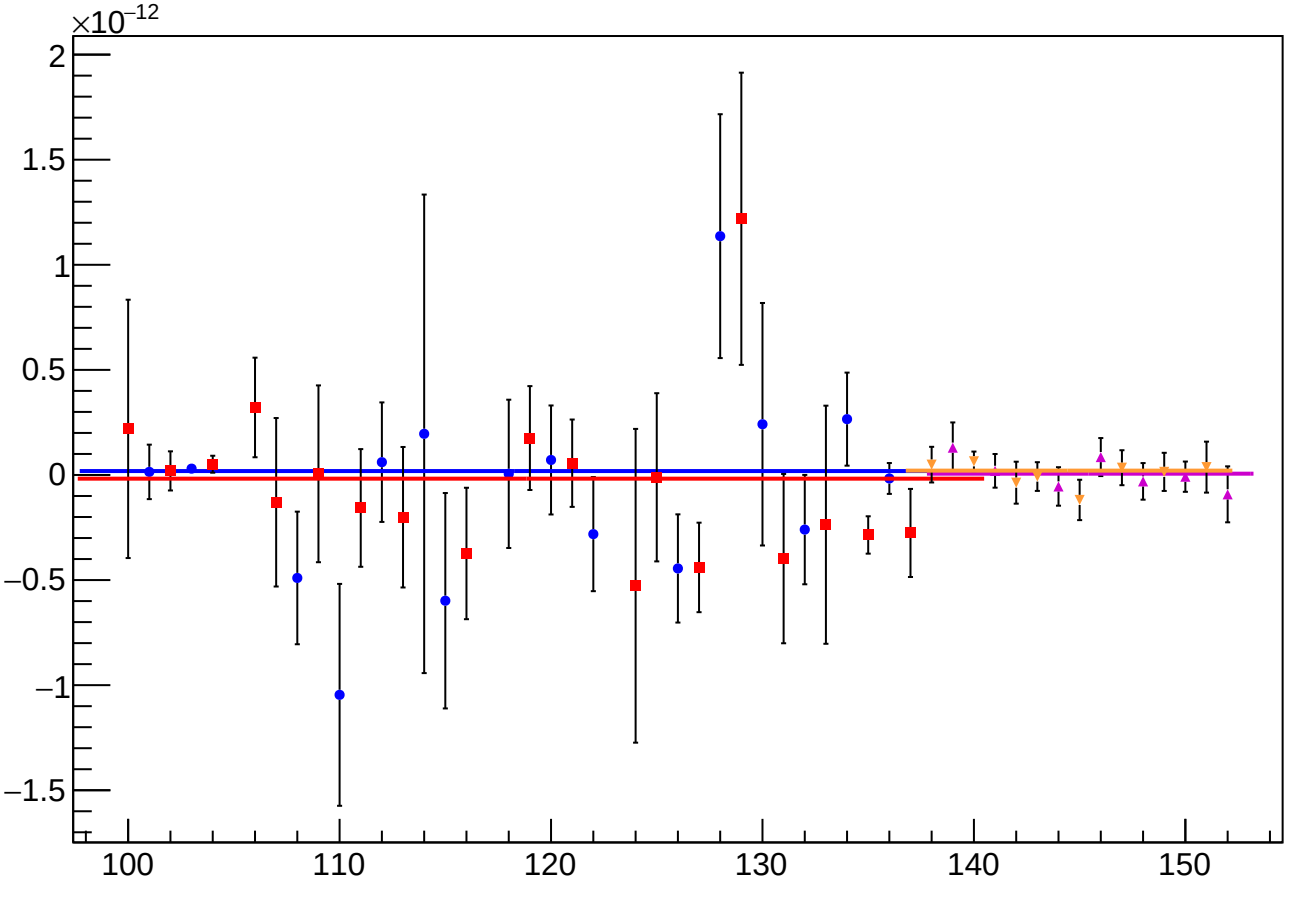
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 223.610+/-0.047 χ^2/NDF:2868706.5/22

Out: 220.582+/-0.049 χ^2/NDF:5375991.4/26

All: 222.162+/-0.034 χ^2/NDF: 8246700.4/49

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.1/6

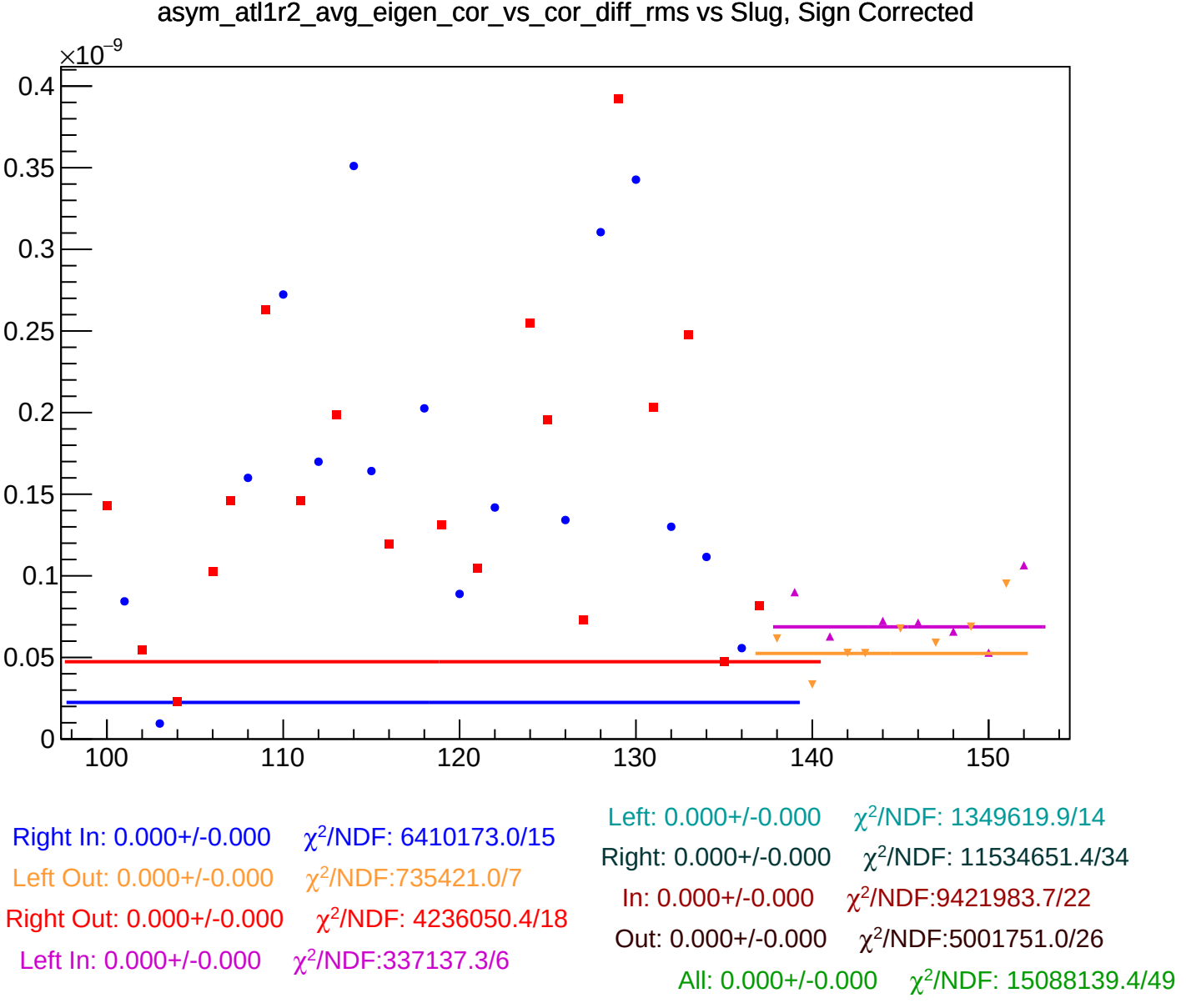
Left: 0.000+/-0.000 χ^2/NDF: 6.9/14

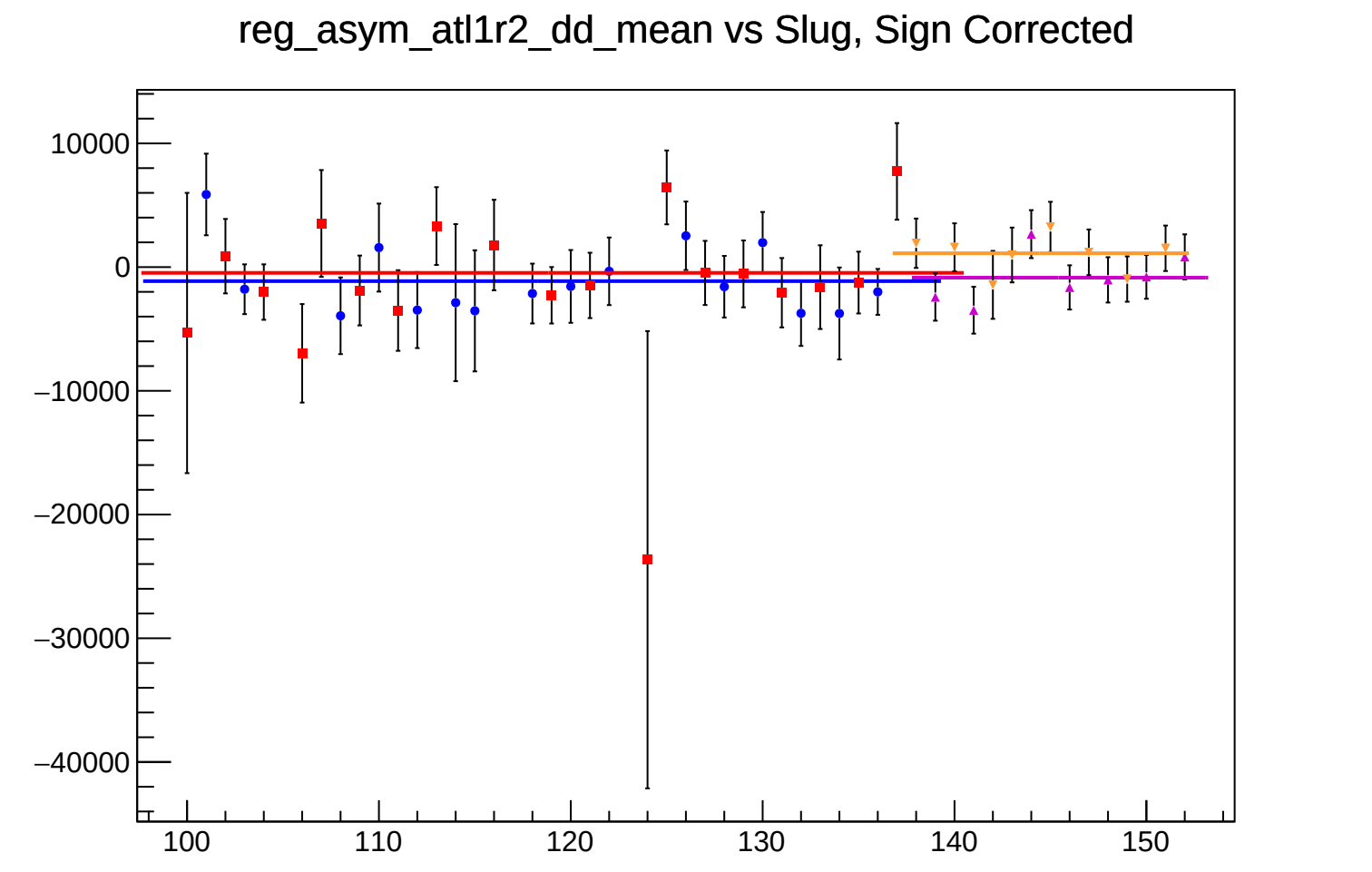
Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: 0.000+/-0.000 χ^2/NDF:22.6/22

Out: 0.000+/-0.000 χ^2/NDF:31.7/26

All: 0.000+/-0.000 χ^2/NDF: 54.4/49


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:337137.3/6
Left: 0.000+/-0.000 χ²/NDF: 1349619.9/14
Right: 0.000+/-0.000 χ²/NDF: 11534651.4/34
In: 0.000+/-0.000 χ²/NDF:9421983.7/22
Out: 0.000+/-0.000 χ²/NDF:5001751.0/26
All: 0.000+/-0.000 χ²/NDF: 15088139.4/49



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: -854.691+/-698.014 χ^2/NDF:7.0/6

Left: 115.107+/-497.811 χ^2/NDF: 14.4/14

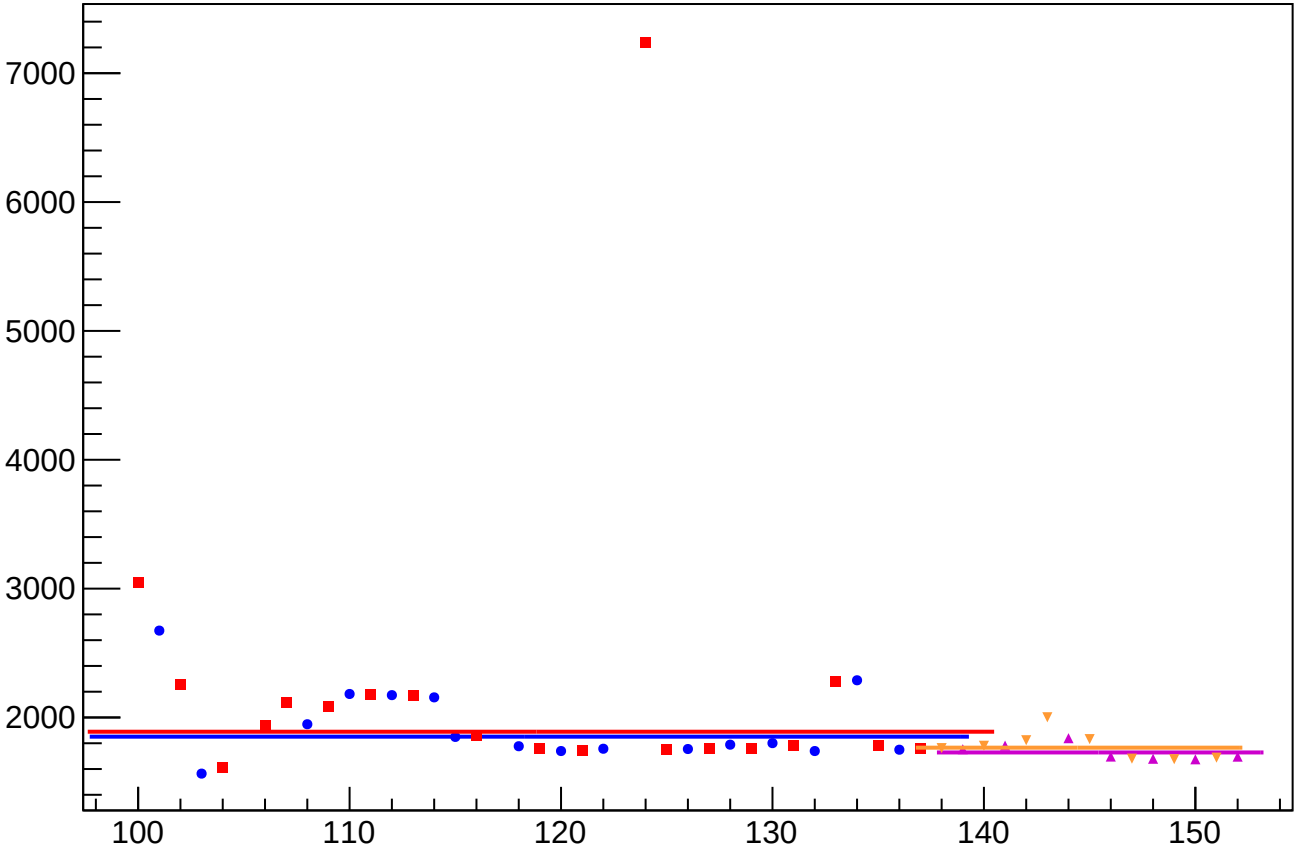
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -995.512+/-492.067 χ^2/NDF:19.3/22

Out: 321.979+/-500.657 χ^2/NDF:26.0/26

All: -348.165+/-350.942 χ^2/NDF: 48.8/49

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: 1728.617+/-0.494 χ^2/NDF:12935.8/6

Left: 1746.880+/-0.352 χ^2/NDF: 54099.8/14

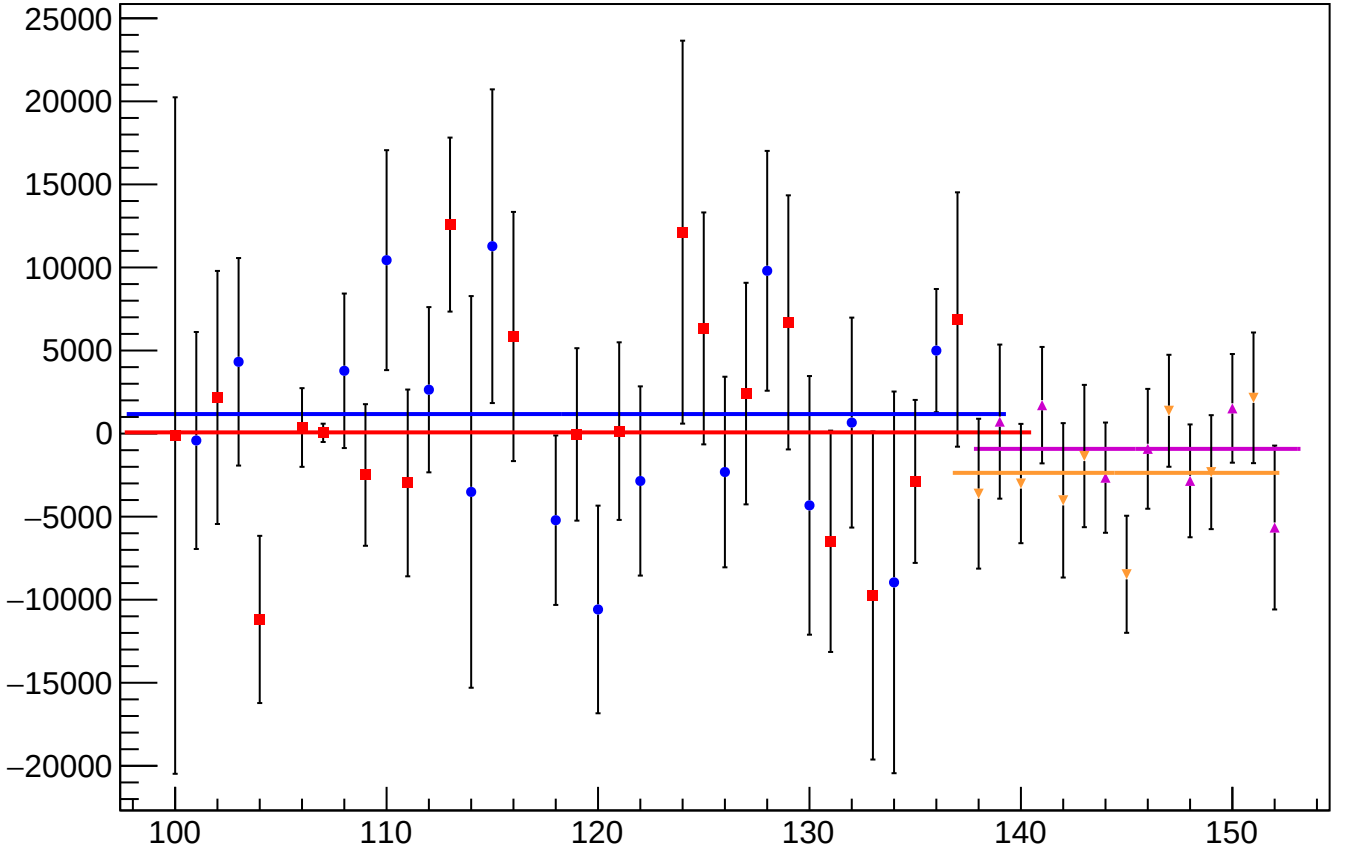
Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1790.246+/-0.348 χ^2/NDF:303910.9/22

Out: 1828.170+/-0.354 χ^2/NDF:427893.9/26

All: 1808.902+/-0.248 χ^2/NDF: 737648.8/49

asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected



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: -920.543+/-1390.996 χ^2/NDF:2.8/6

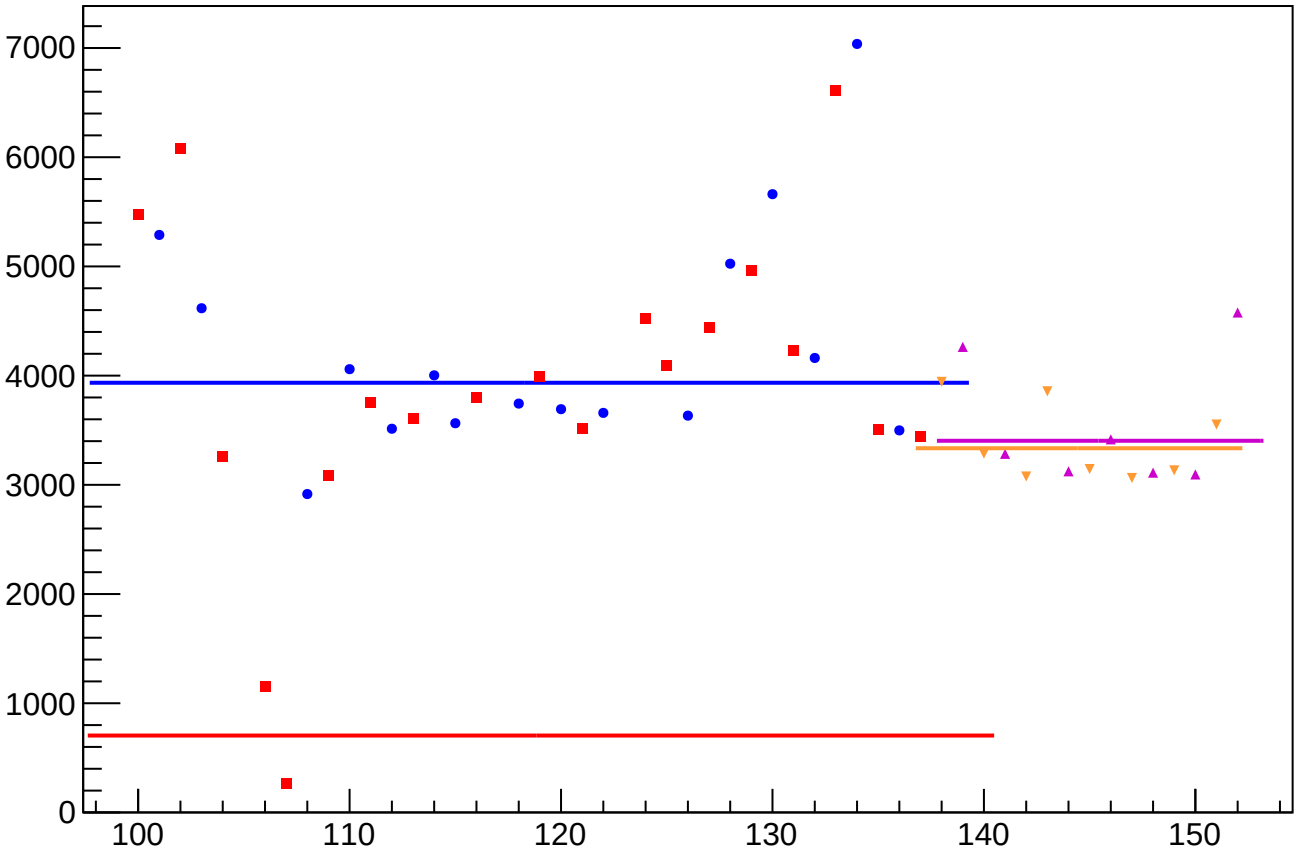
Left: -1661.799+/-970.111 χ^2/NDF: 9.2/14

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 47.051+/-1020.612 χ^2/NDF:17.5/22

Out: -225.708+/-473.717 χ^2/NDF:26.6/26

All: -177.362+/-429.687 χ^2/NDF: 44.2/49



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: 3403.406+/-0.984 χ^2/NDF:231223.1/6

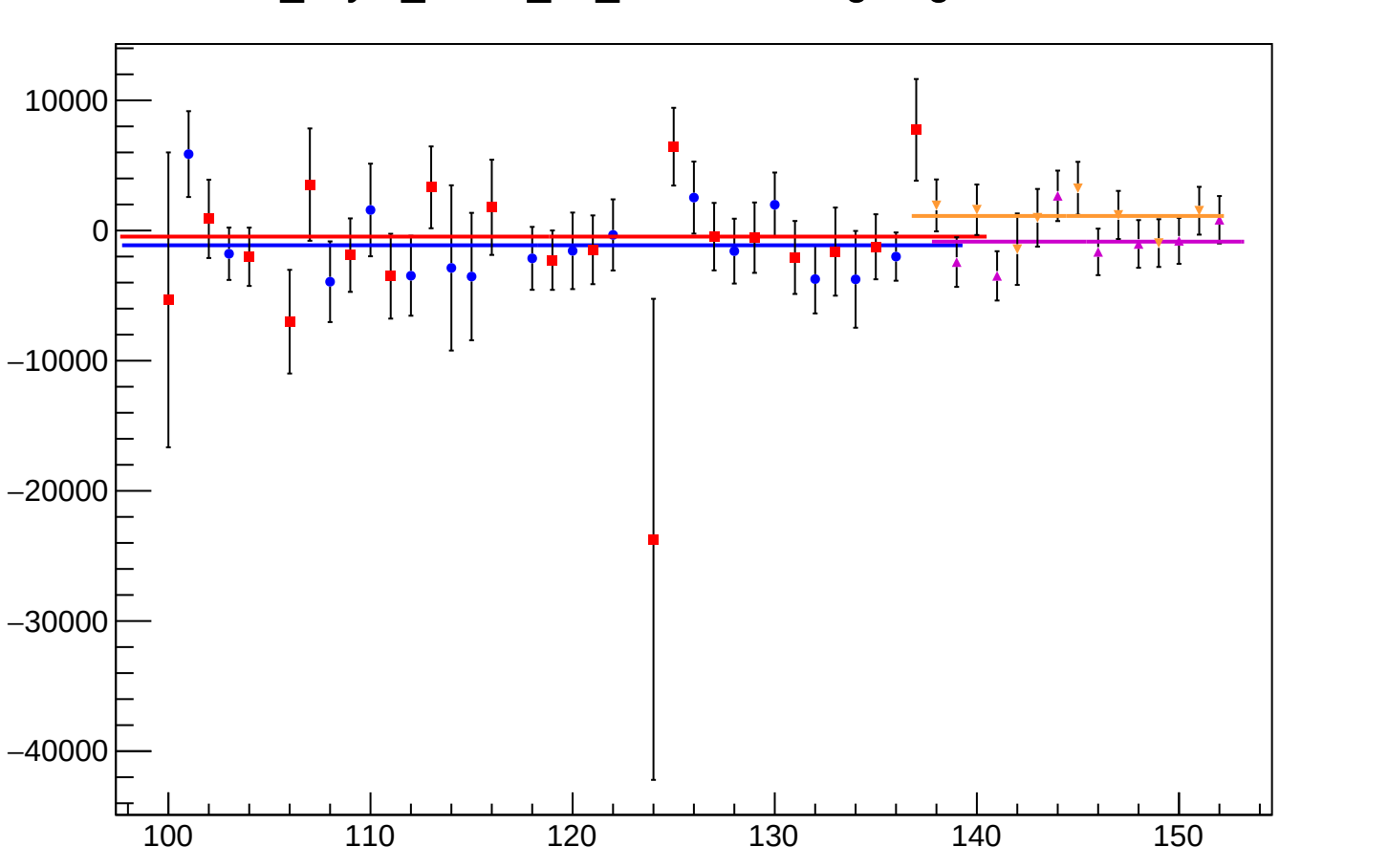
Left: 3368.313+/-0.686 χ^2/NDF: 338179.2/14

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3648.683+/-0.722 χ^2/NDF:926053.8/22

Out: 1026.561+/-0.335 χ^2/NDF:17351678.5/26

All: 1491.330+/-0.304 χ^2/NDF: 29139057.1/4



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: -854.642+/-698.014 χ^2/NDF:7.0/6

Left: 115.108+/-497.811 χ^2/NDF: 14.4/14

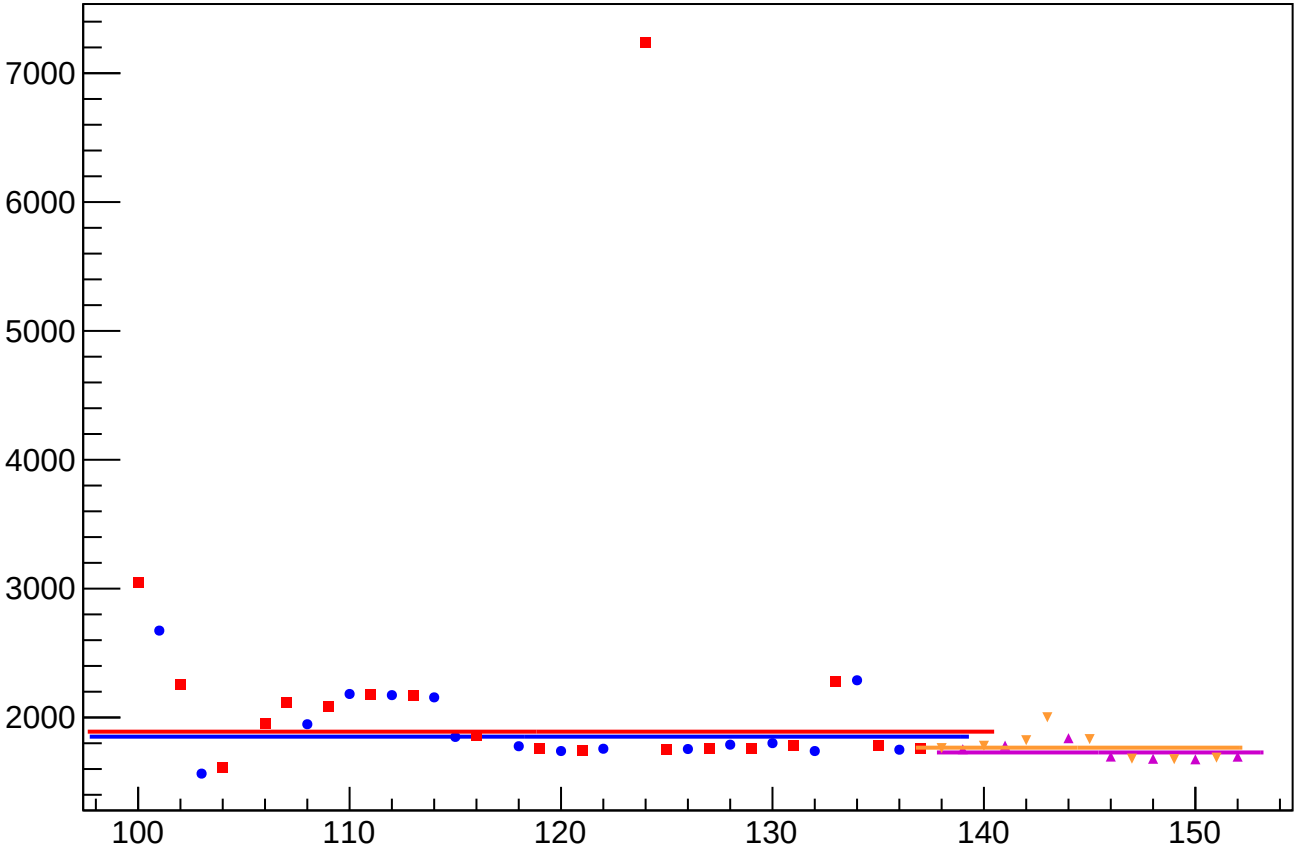
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -995.273+/-492.067 χ^2/NDF:19.3/22

Out: 321.766+/-500.658 χ^2/NDF:26.1/26

All: -348.149+/-350.942 χ^2/NDF: 48.9/49

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: 1728.617+/-0.494 χ^2/NDF:12935.8/6

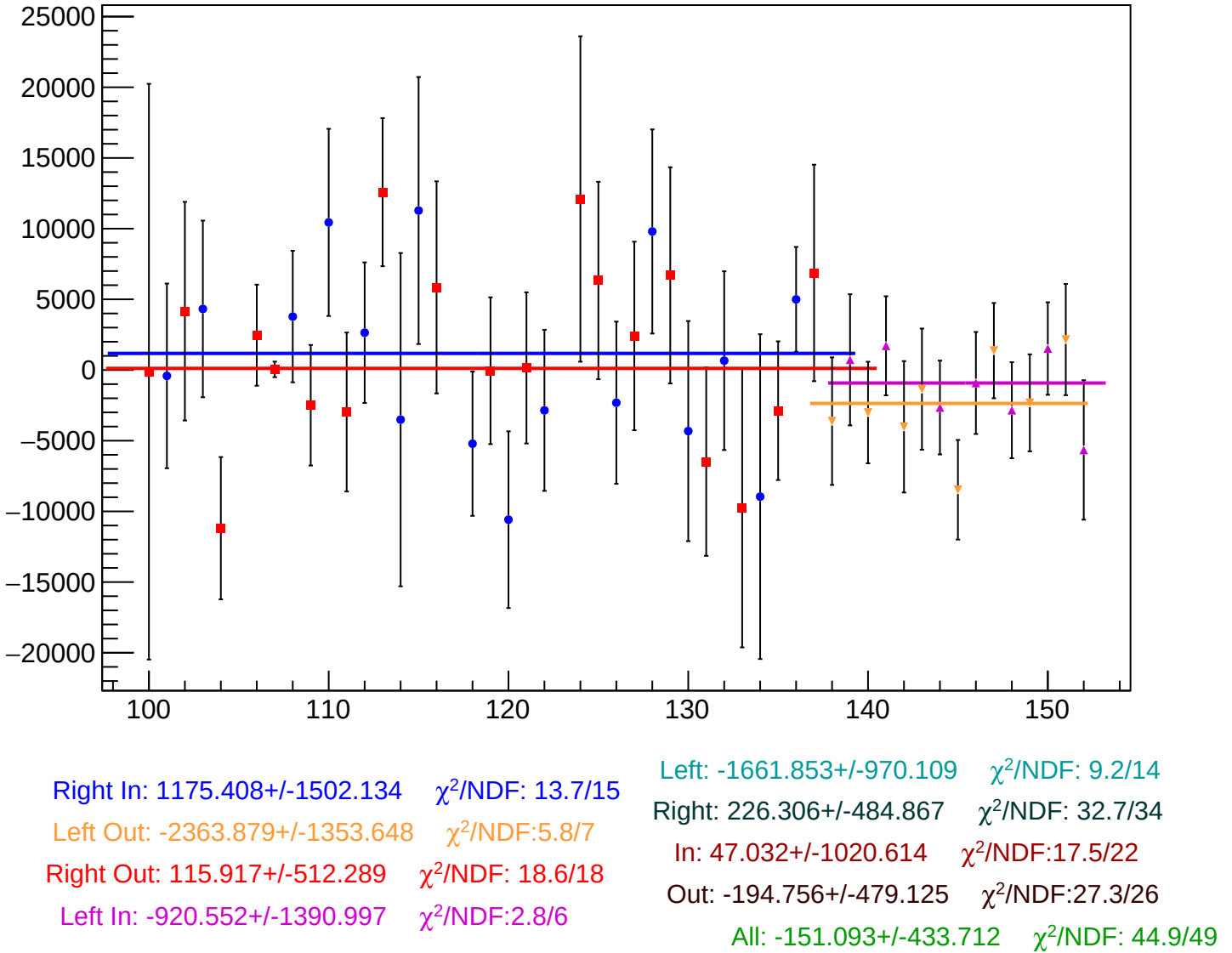
Left: 1746.880+/-0.352 χ^2/NDF: 54099.8/14

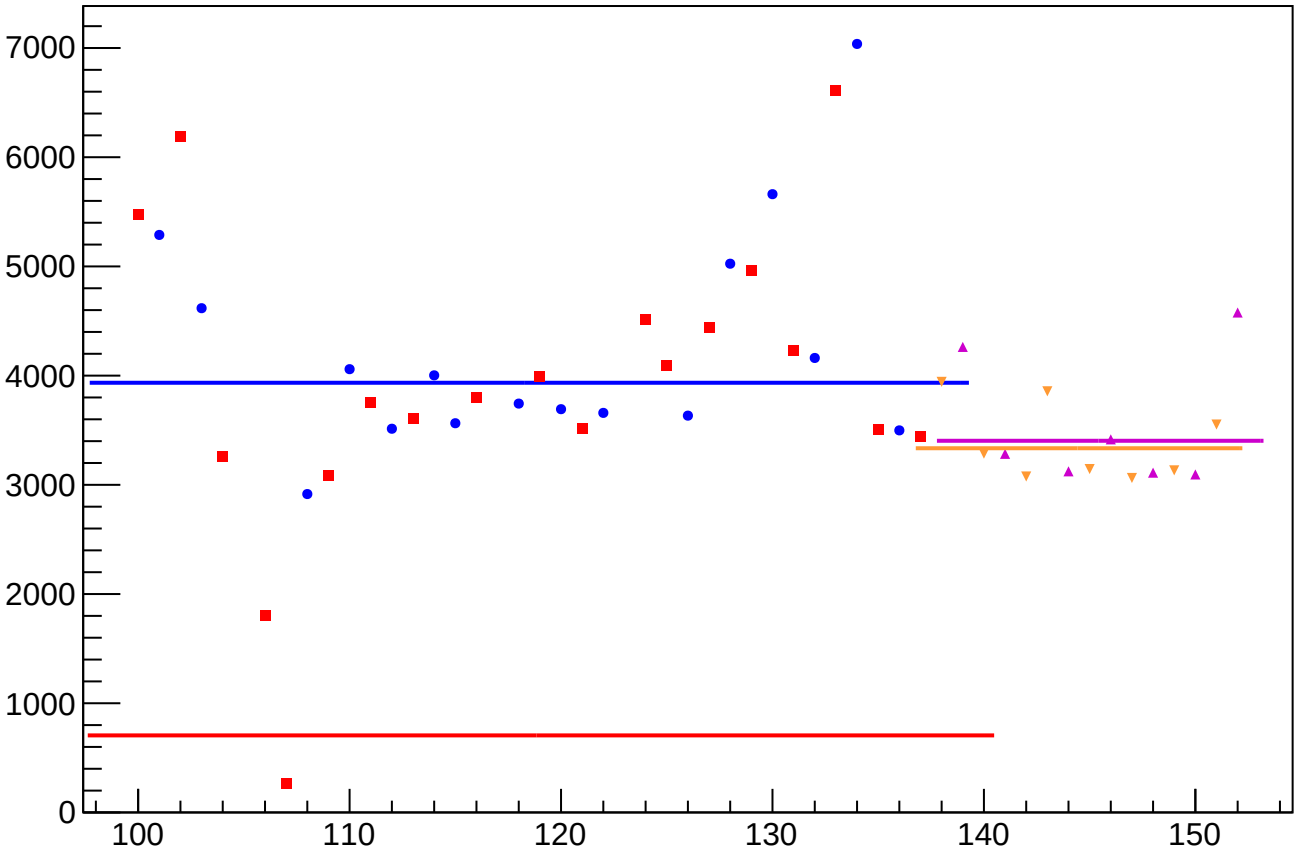
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1790.246+/-0.348 χ^2/NDF:303910.3/22

Out: 1828.387+/-0.354 χ^2/NDF:428333.8/26

All: 1809.007+/-0.248 χ^2/NDF: 738154.4/49


asym_atl1r2_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: 1175.408+/-1502.134 χ²/NDF: 13.7/15
Left Out: -2363.879+/-1353.648 χ²/NDF:5.8/7
Right Out: 115.917+/-512.289 χ²/NDF: 18.6/18
Left In: -920.552+/-1390.997 χ²/NDF:2.8/6
Left: -1661.853+/-970.109 χ²/NDF: 9.2/14
Right: 226.306+/-484.867 χ²/NDF: 32.7/34
In: 47.032+/-1020.614 χ²/NDF:17.5/22
Out: -194.756+/-479.125 χ²/NDF:27.3/26
All: -151.093+/-433.712 χ²/NDF: 44.9/49



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: 3403.409+/-0.984 χ^2/NDF:231222.7/6

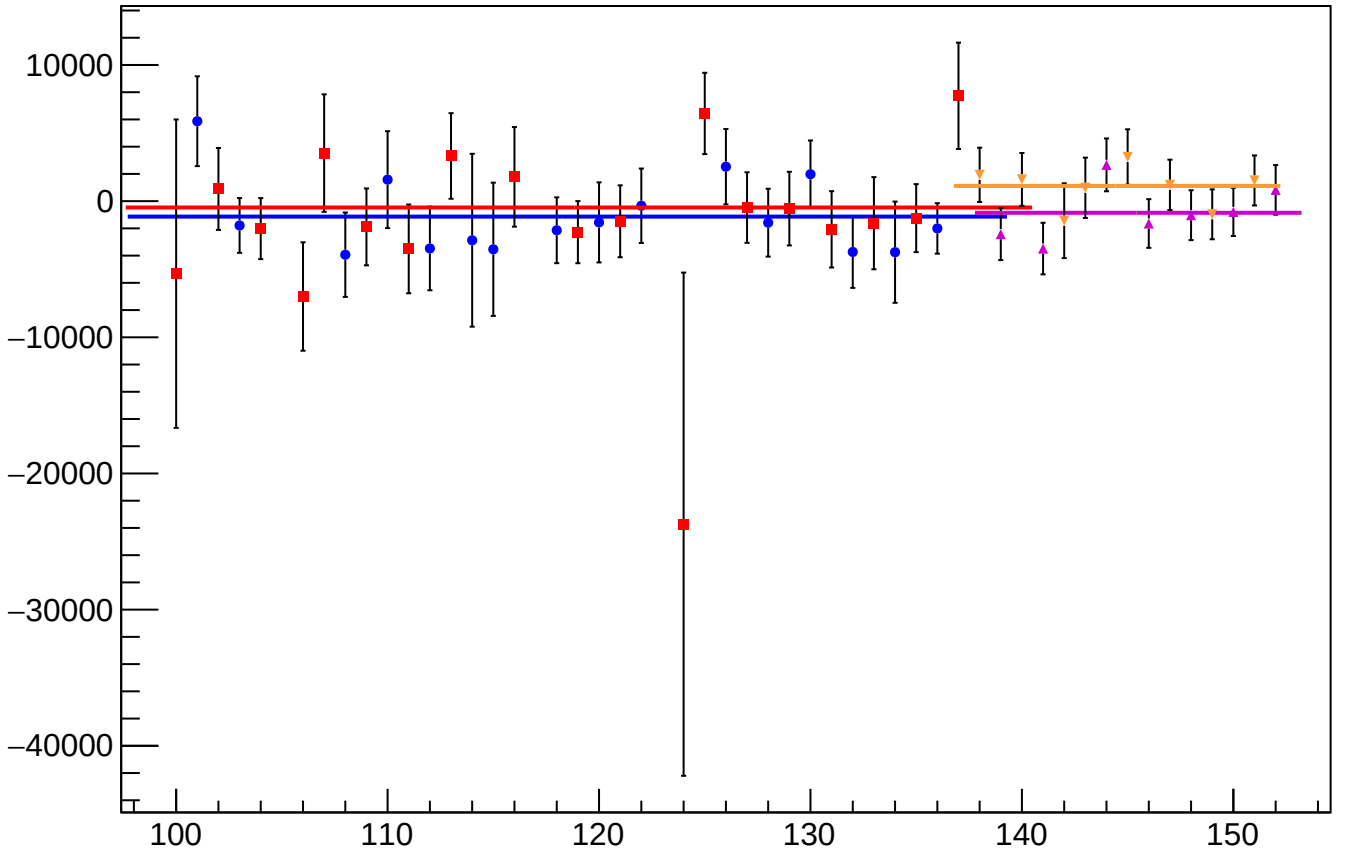
Left: 3368.308+/-0.686 χ^2/NDF: 338184.2/14

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3648.688+/-0.722 χ^2/NDF:926080.3/22

Out: 1035.041+/-0.339 χ^2/NDF:17452777.0/26

All: 1507.024+/-0.307 χ^2/NDF: 29126292.8/4



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: -854.642+/-698.014 χ^2/NDF:7.0/6

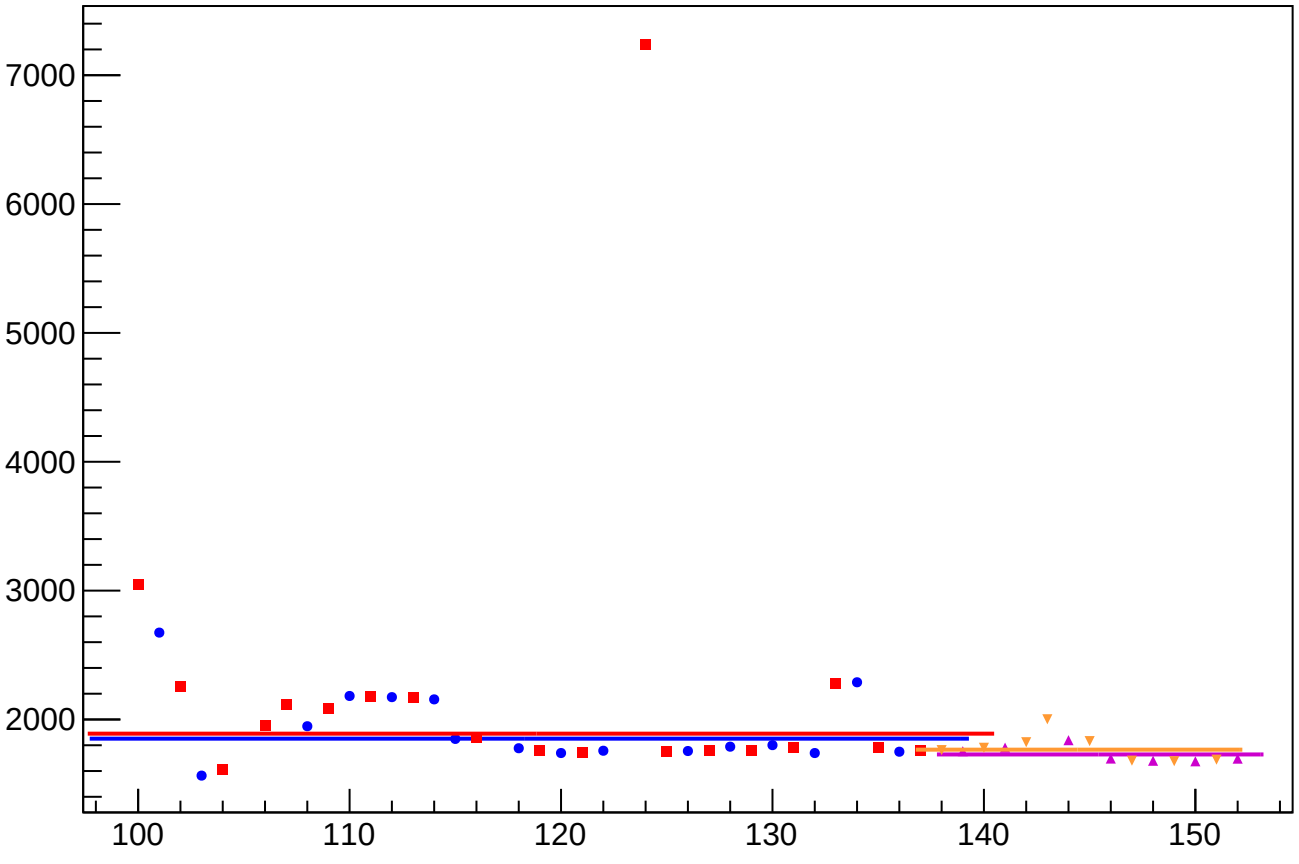
Left: 115.108+/-497.811 χ^2/NDF: 14.4/14

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -995.273+/-492.067 χ^2/NDF:19.3/22

Out: 321.766+/-500.658 χ^2/NDF:26.1/26

All: -348.149+/-350.942 χ^2/NDF: 48.9/49



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: 1728.617+/-0.494 χ^2/NDF:12935.8/6

Left: 1746.880+/-0.352 χ^2/NDF: 54099.8/14

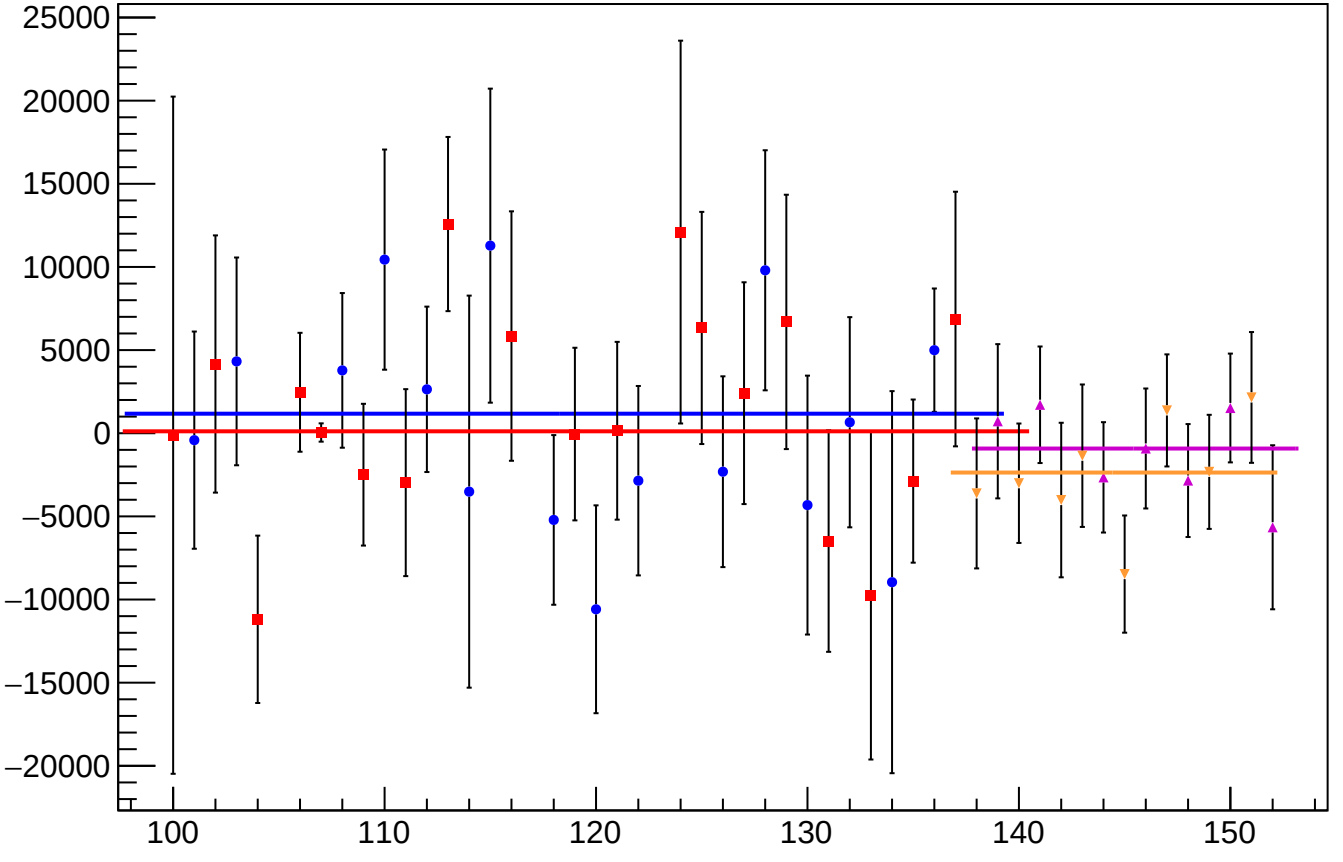
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1790.246+/-0.348 χ^2/NDF:303910.3/22

Out: 1828.387+/-0.354 χ^2/NDF:428333.8/26

All: 1809.007+/-0.248 χ^2/NDF: 738154.4/49

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: -920.552+/-1390.997 χ^2/NDF:2.8/6

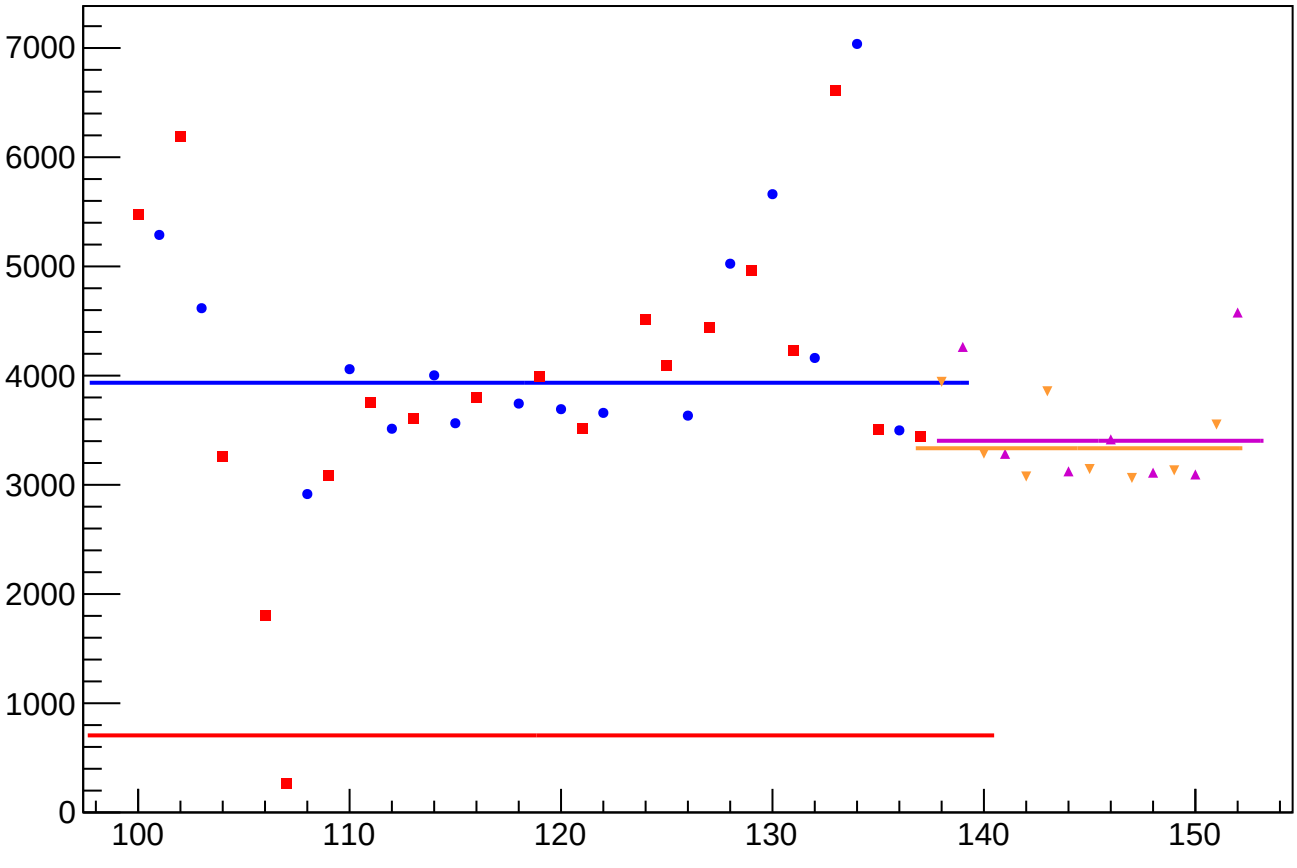
Left: -1661.853+/-970.109 χ^2/NDF: 9.2/14

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 47.032+/-1020.614 χ^2/NDF:17.5/22

Out: -194.756+/-479.125 χ^2/NDF:27.3/26

All: -151.093+/-433.712 χ^2/NDF: 44.9/49



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: 3403.409+/-0.984 χ^2/NDF:231222.7/6

Left: 3368.308+/-0.686 χ^2/NDF: 338184.2/14

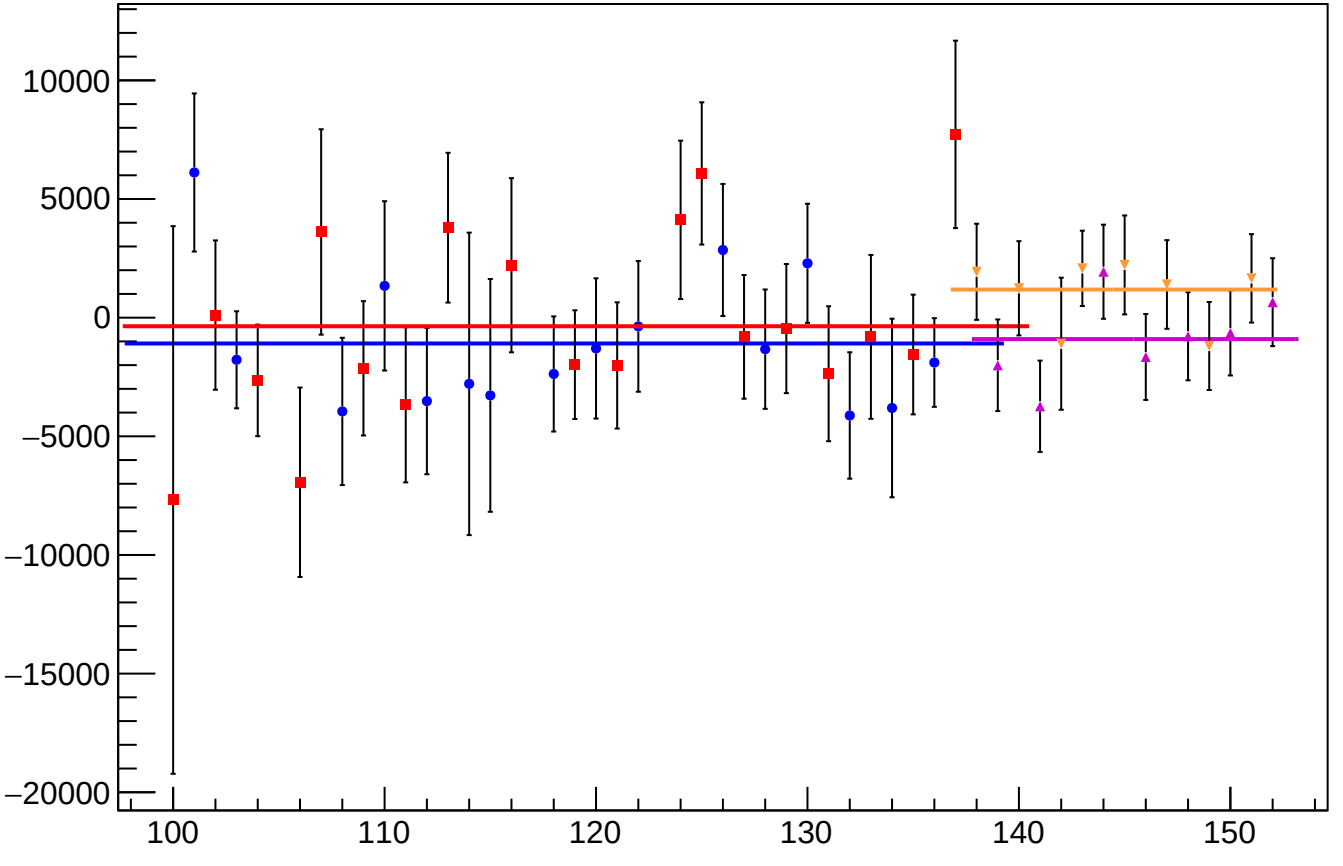
Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3648.688+/-0.722 χ^2/NDF:926080.3/22

Out: 1035.041+/-0.339 χ^2/NDF:17452777.0/26

All: 1507.024+/-0.307 χ^2/NDF: 29126292.8/4

dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1184.700+/-687.015 χ^2/NDF:3.1/7

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -903.163+/-708.462 χ^2/NDF:5.4/6

Left: 172.849+/-493.201 χ^2/NDF: 13.0/14

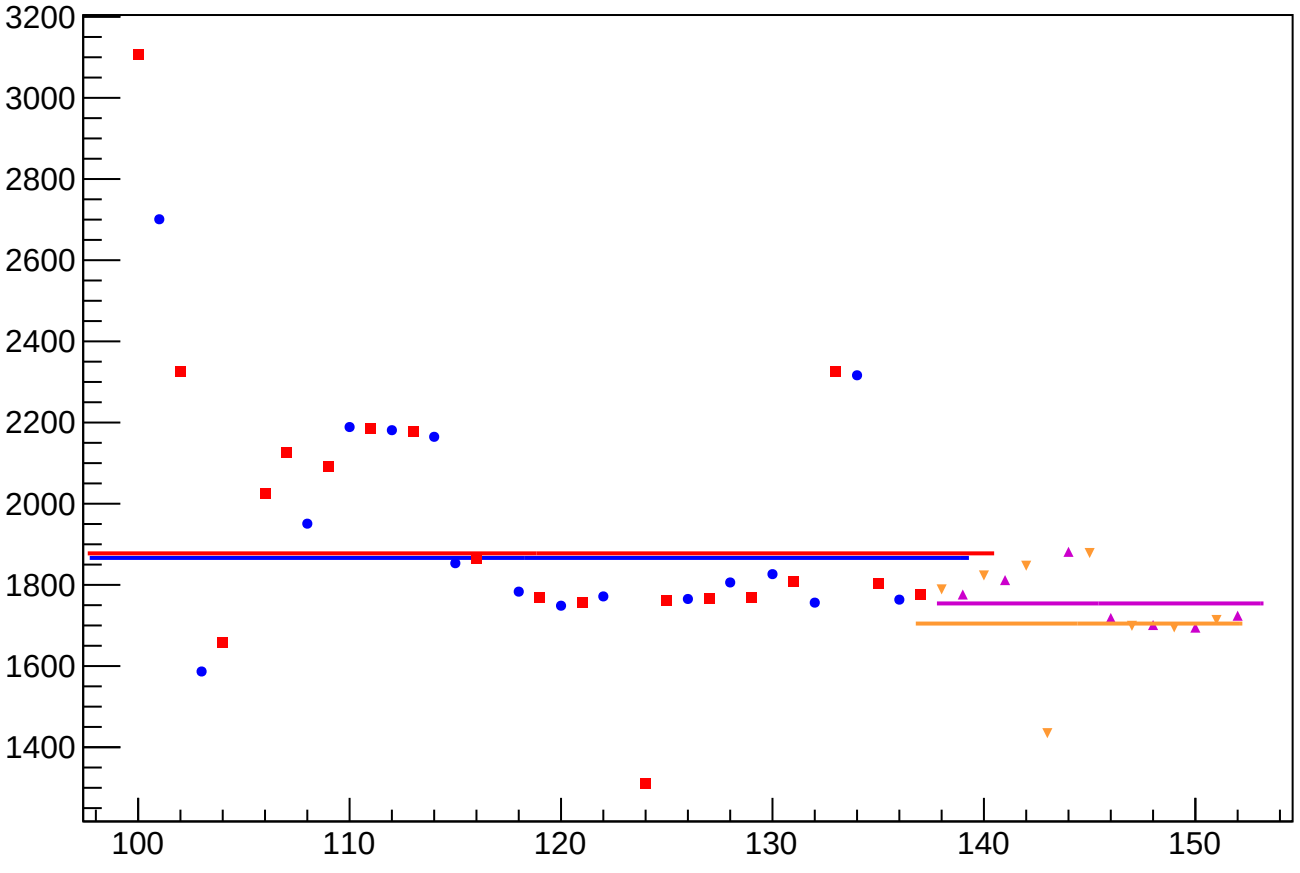
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -996.612+/-497.788 χ^2/NDF:18.7/22

Out: 425.842+/-490.204 χ^2/NDF:26.4/26

All: -274.467+/-349.277 χ^2/NDF: 49.2/49

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: 1754.284+/-0.501 χ^2/NDF:15447.2/6

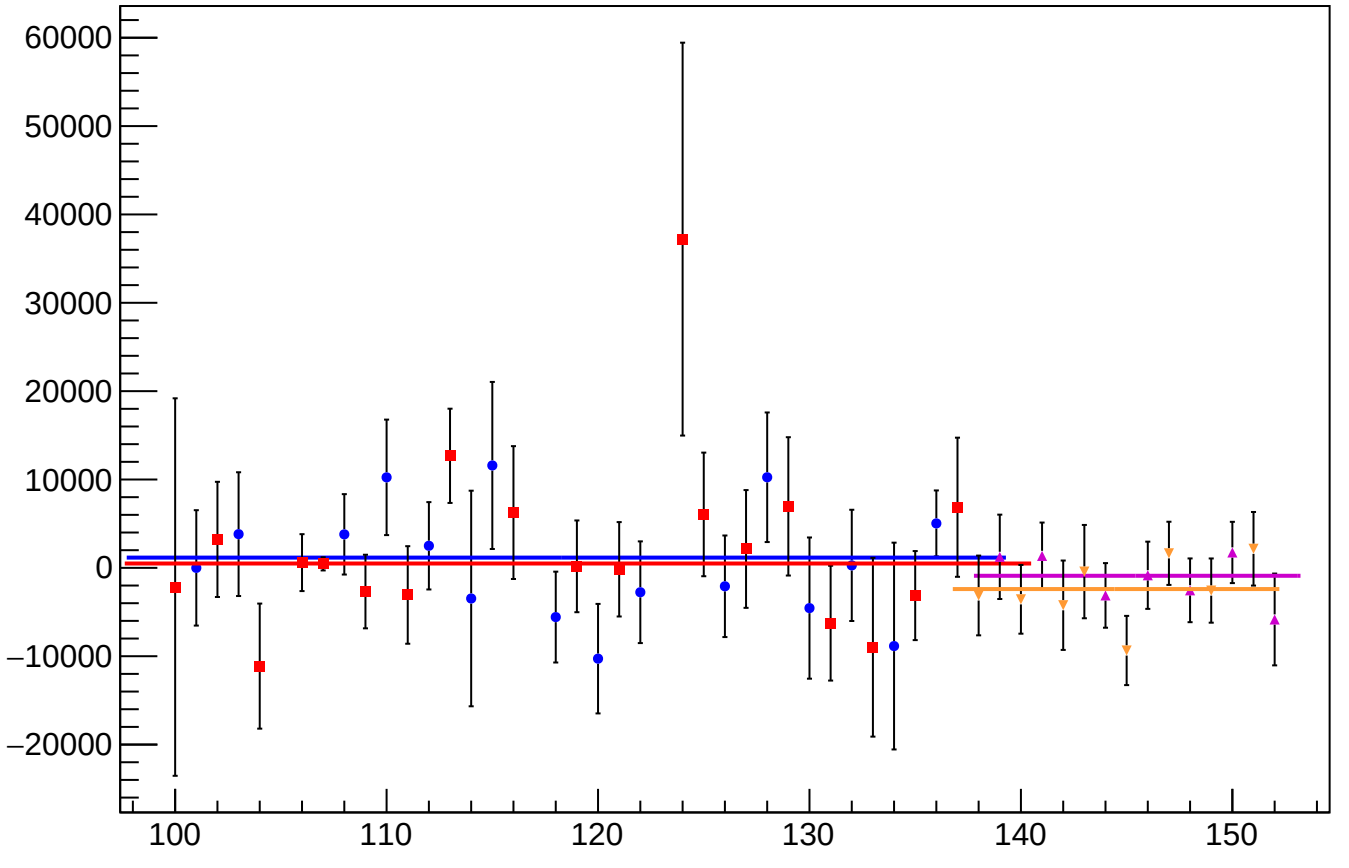
Left: 1728.733+/-0.349 χ^2/NDF: 108205.0/14

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1811.078+/-0.352 χ^2/NDF:297094.6/22

Out: 1789.676+/-0.346 χ^2/NDF:401832.8/26

All: 1800.208+/-0.247 χ^2/NDF: 700804.9/49



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: -896.041+/-1482.317 χ^2/NDF:2.6/6

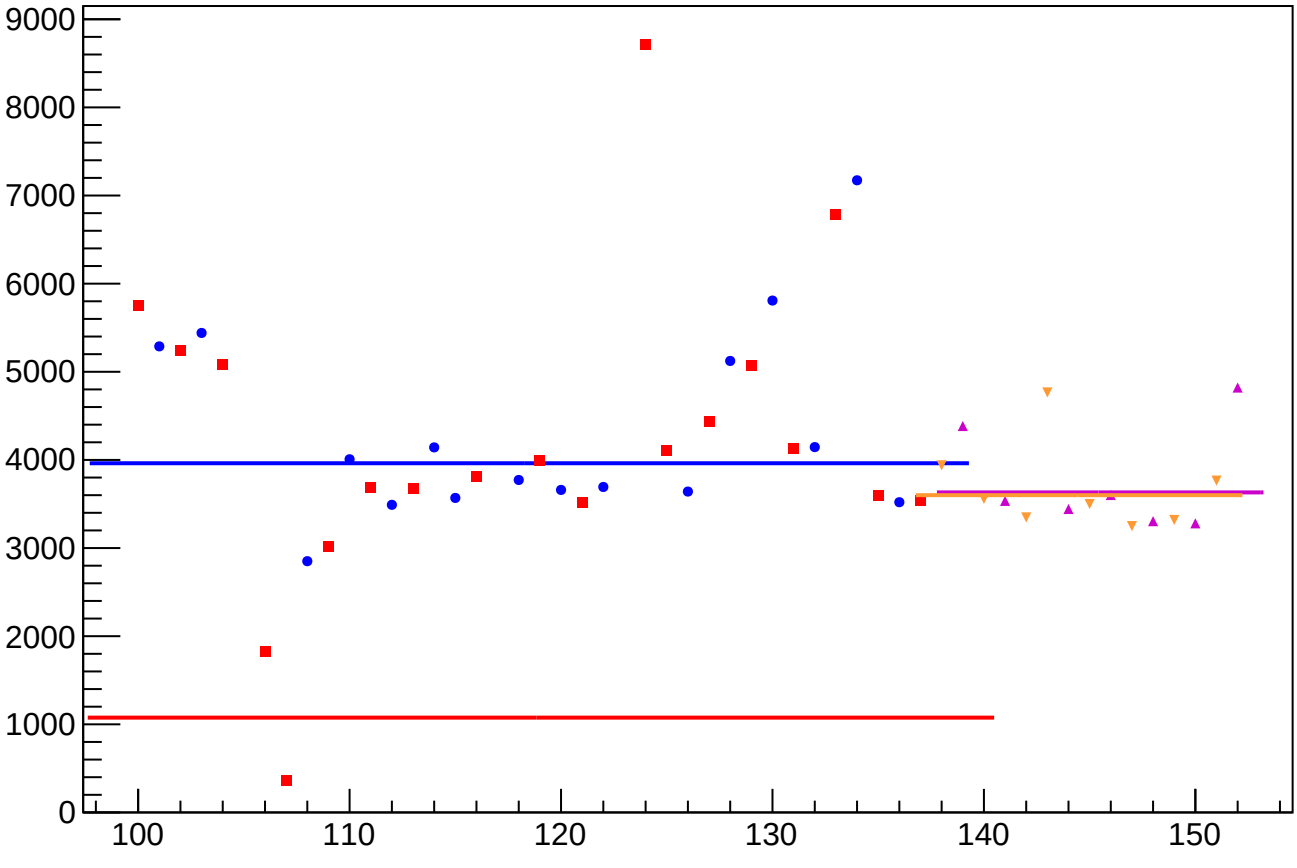
Left: -1657.163+/-1041.417 χ^2/NDF: 9.2/14

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 111.998+/-1058.572 χ^2/NDF:17.2/22

Out: 5.954+/-600.515 χ^2/NDF:26.2/26

All: 31.772+/-522.322 χ^2/NDF: 43.4/49



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: 3631.460+/-1.048 χ^2/NDF:198261.4/6

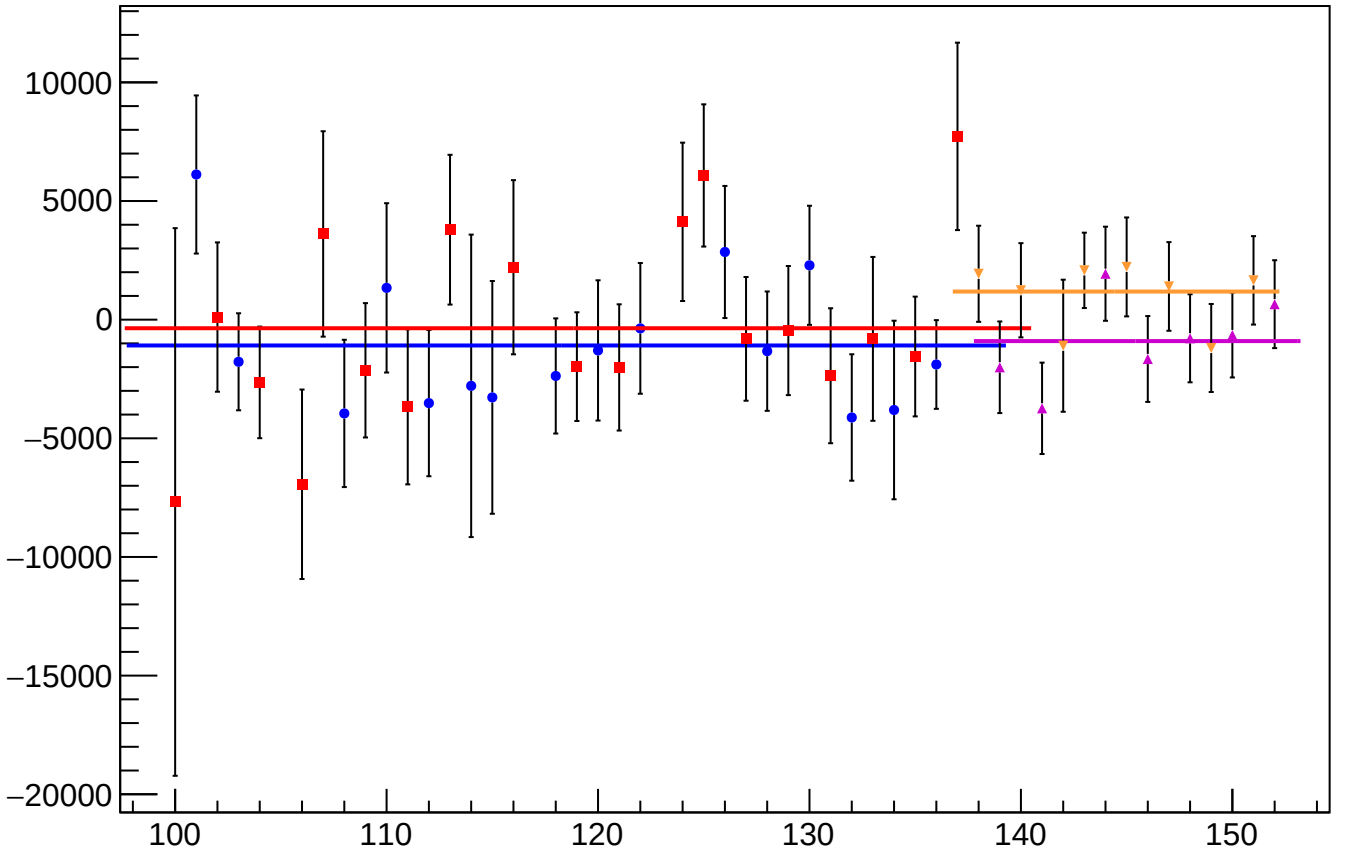
Left: 3615.533+/-0.736 χ^2/NDF: 348312.2/14

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3793.609+/-0.749 χ^2/NDF:915440.4/22

Out: 1500.966+/-0.425 χ^2/NDF:14655640.9/26

All: 2059.144+/-0.369 χ^2/NDF: 22668347.0/4



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: -903.160+/-708.462 χ^2/NDF:5.4/6

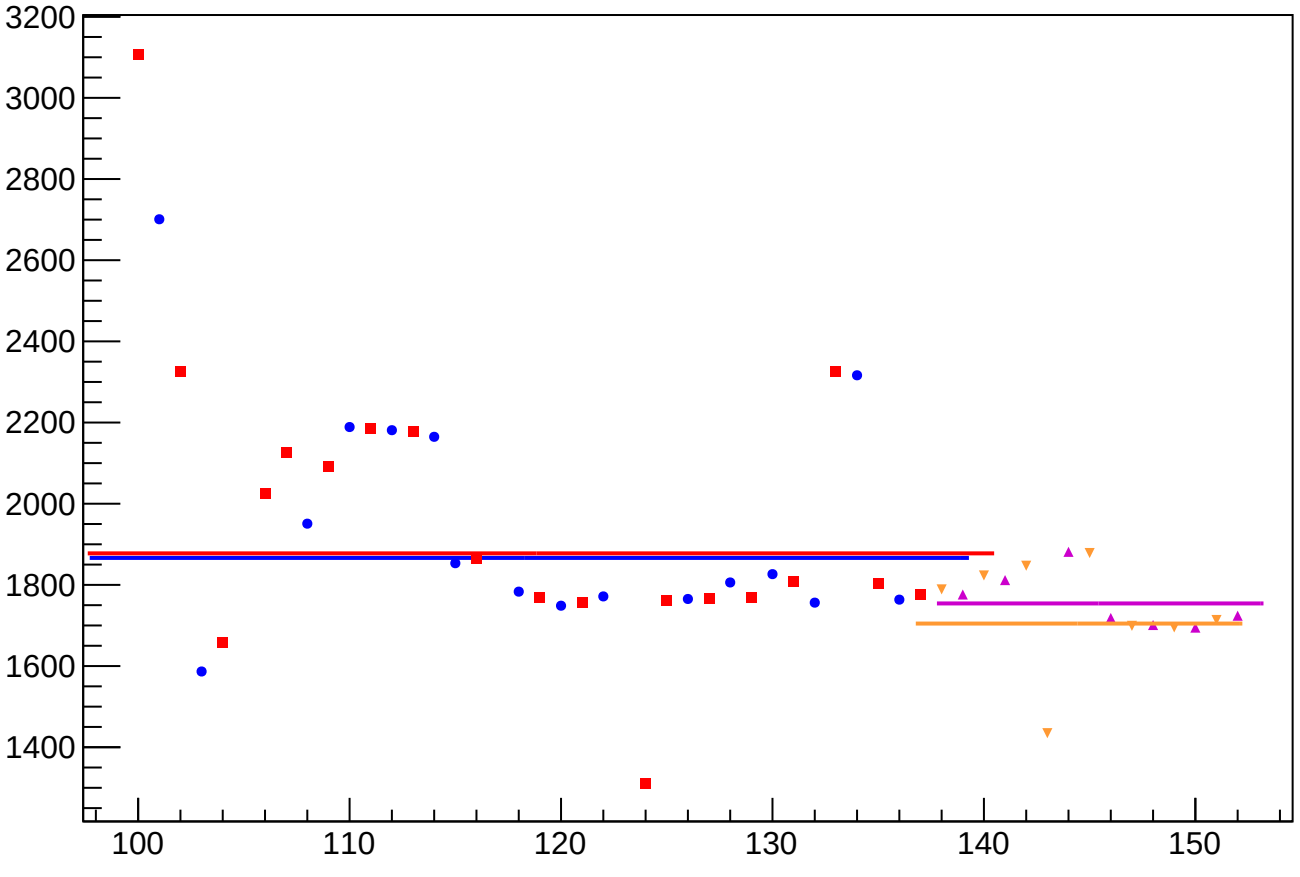
Left: 172.848+/-493.201 χ^2/NDF: 13.0/14

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -996.612+/-497.788 χ^2/NDF:18.7/22

Out: 425.836+/-490.204 χ^2/NDF:26.4/26

All: -274.470+/-349.277 χ^2/NDF: 49.2/49



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: 1754.285+/-0.501 χ^2/NDF:15447.1/6

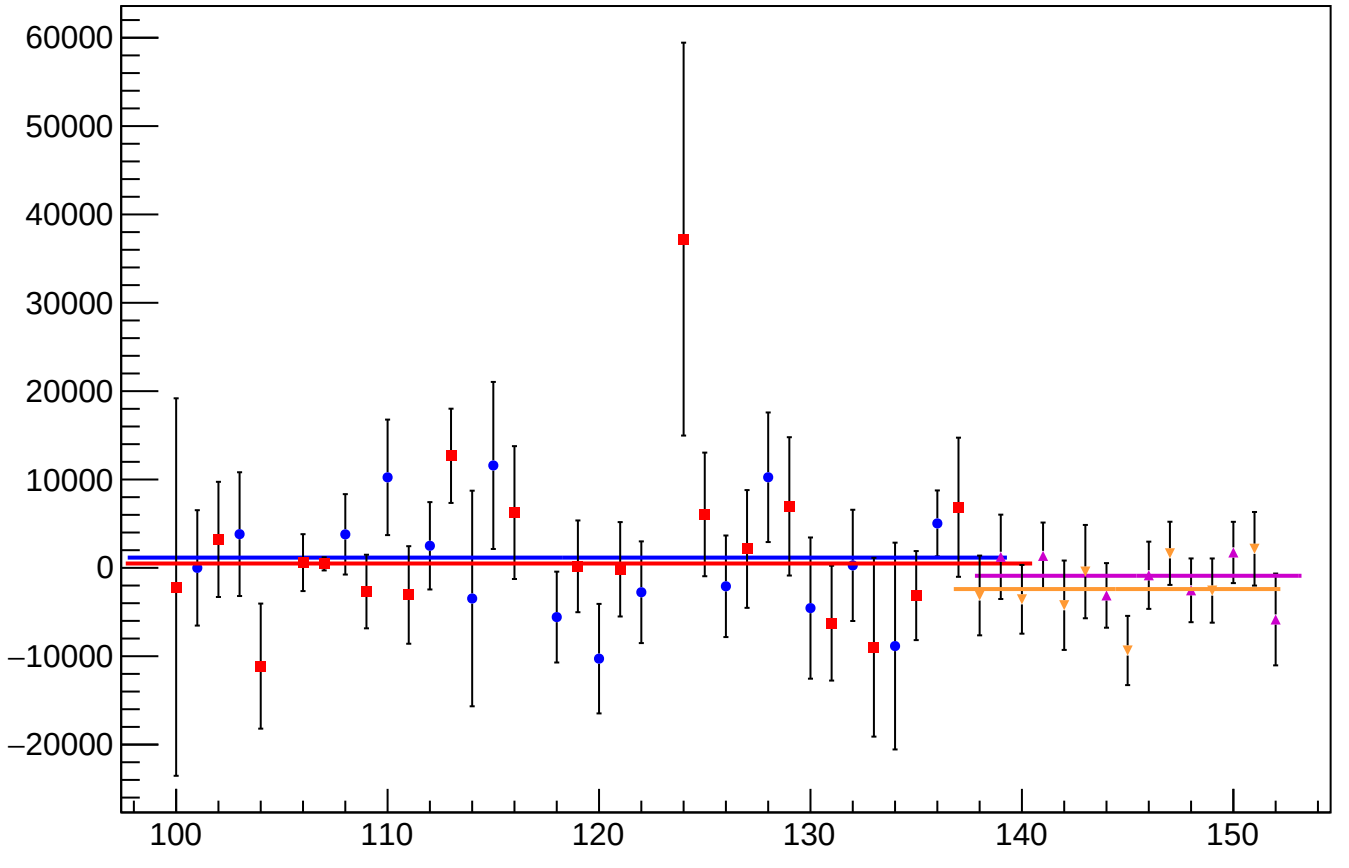
Left: 1728.734+/-0.349 χ^2/NDF: 108203.9/14

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1811.078+/-0.352 χ^2/NDF:297094.1/22

Out: 1789.677+/-0.346 χ^2/NDF:401831.5/26

All: 1800.209+/-0.247 χ^2/NDF: 700803.1/49



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: -896.038+/-1482.319 χ^2/NDF:2.6/6

Left: -1657.163+/-1041.419 χ^2/NDF: 9.2/14

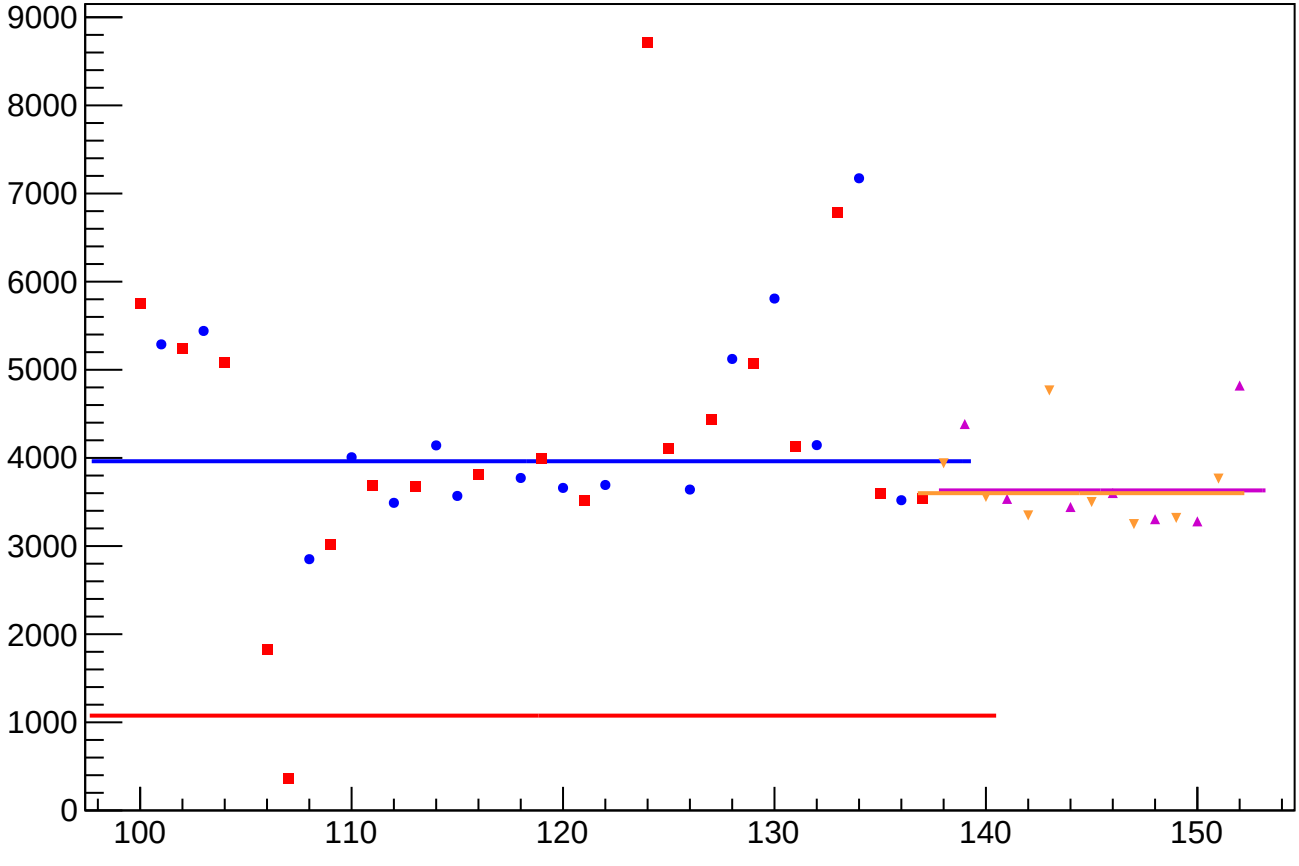
Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 111.992+/-1058.572 χ^2/NDF:17.2/22

Out: 5.947+/-600.524 χ^2/NDF:26.2/26

All: 31.766+/-522.328 χ^2/NDF: 43.4/49

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 3631.465+/-1.048 χ^2/NDF:198260.7/6

Left: 3615.537+/-0.736 χ^2/NDF: 348309.9/14

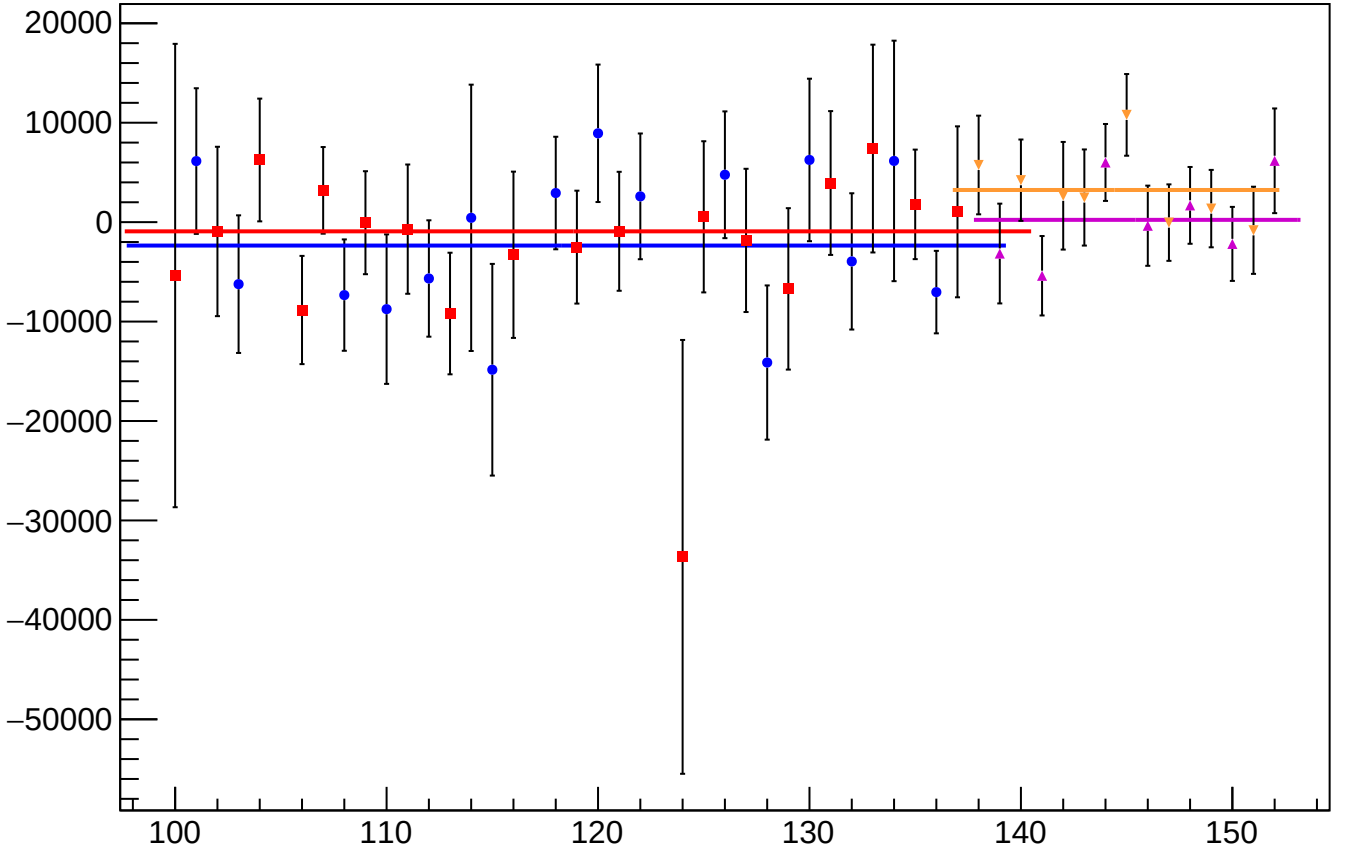
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3793.609+/-0.749 χ^2/NDF:915432.8/22

Out: 1501.003+/-0.425 χ^2/NDF:14655369.0/26

All: 2059.184+/-0.369 χ^2/NDF: 22667790.9/4

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: 230.422+/-1569.355 χ^2/NDF:6.5/6

Left: 1761.768+/-1098.797 χ^2/NDF: 13.9/14

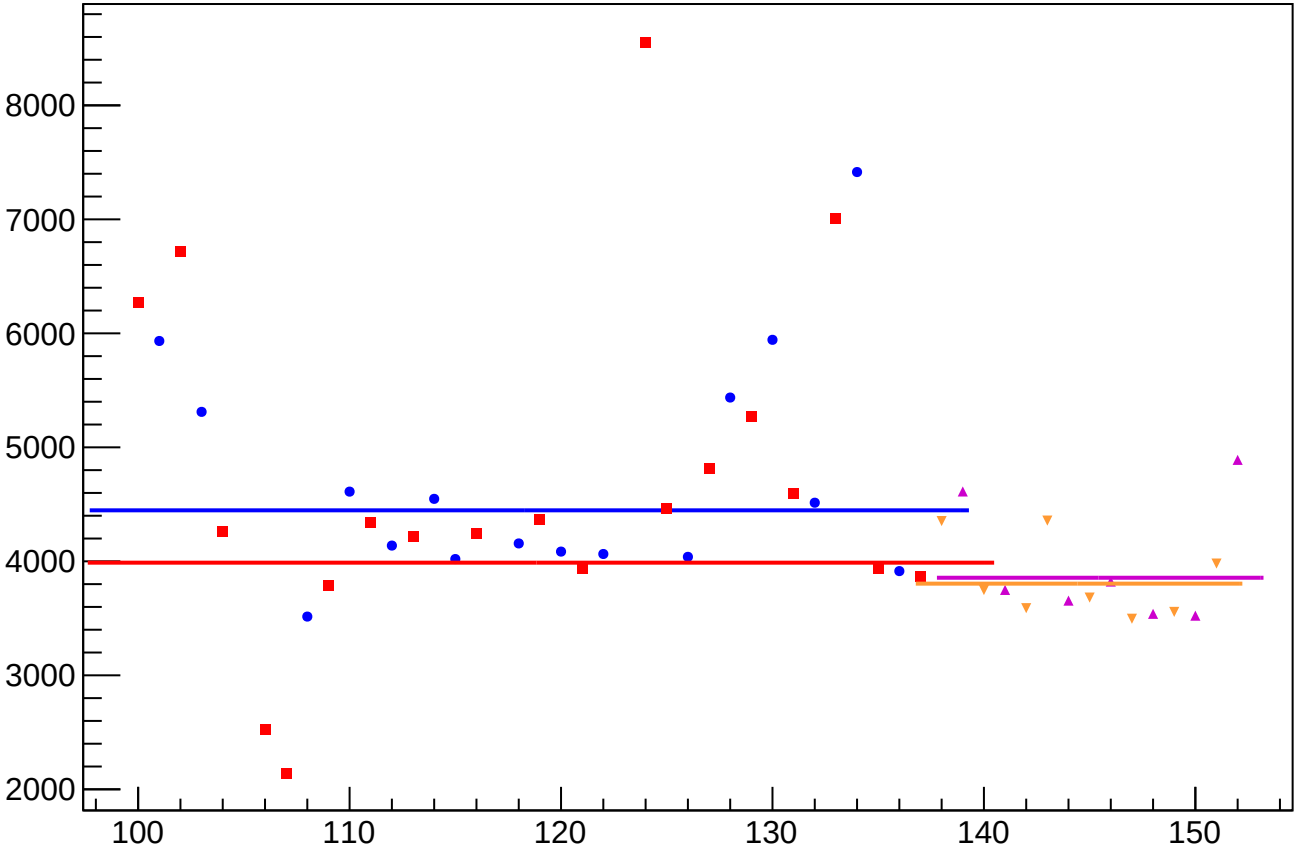
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -970.626+/-1148.342 χ^2/NDF:23.3/22

Out: 1165.425+/-1091.001 χ^2/NDF:19.8/26

All: 152.060+/-790.949 χ^2/NDF: 44.9/49

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: 3855.998+/-1.110 χ^2/NDF:159032.7/6

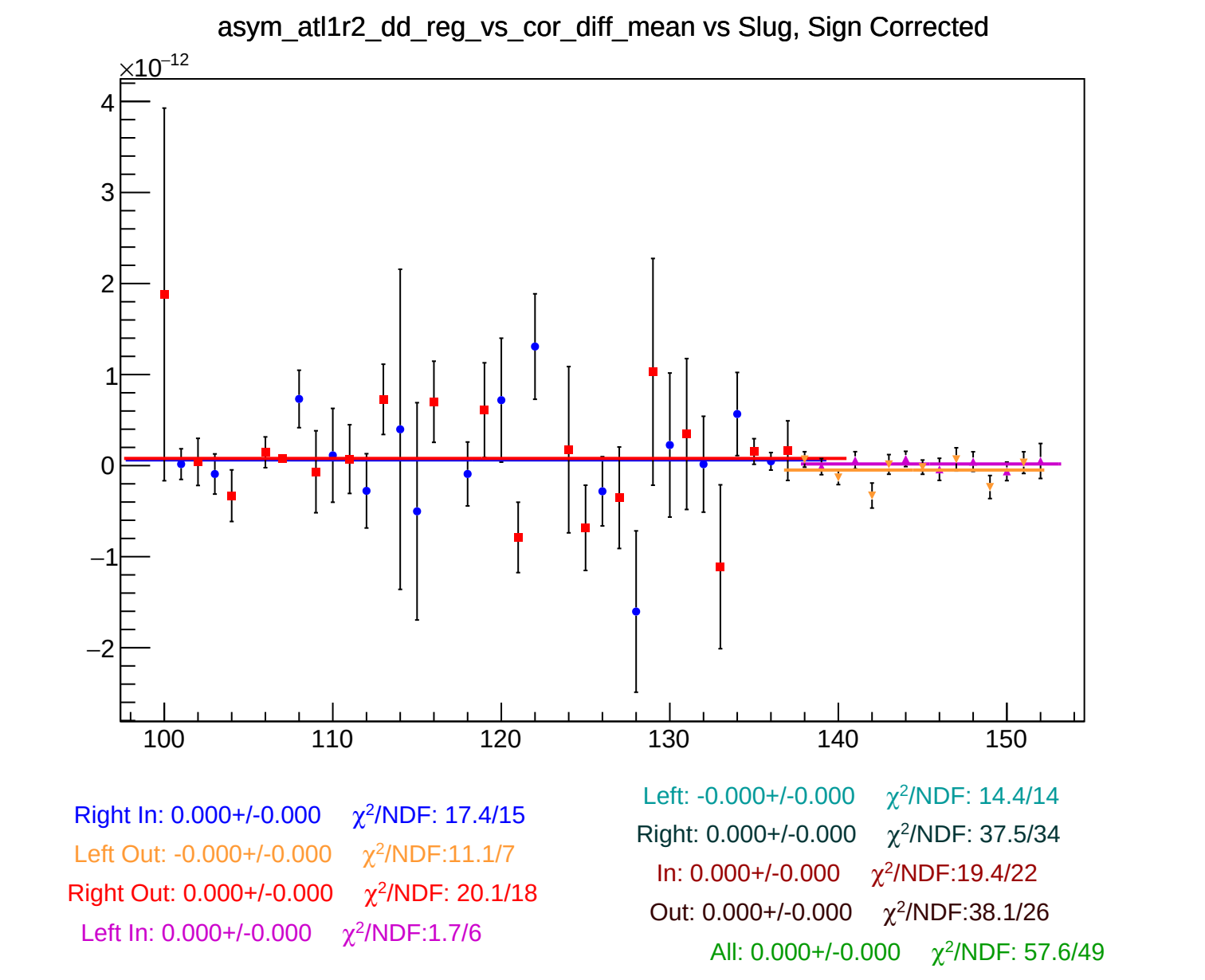
Left: 3829.612+/-0.777 χ^2/NDF: 240277.2/14

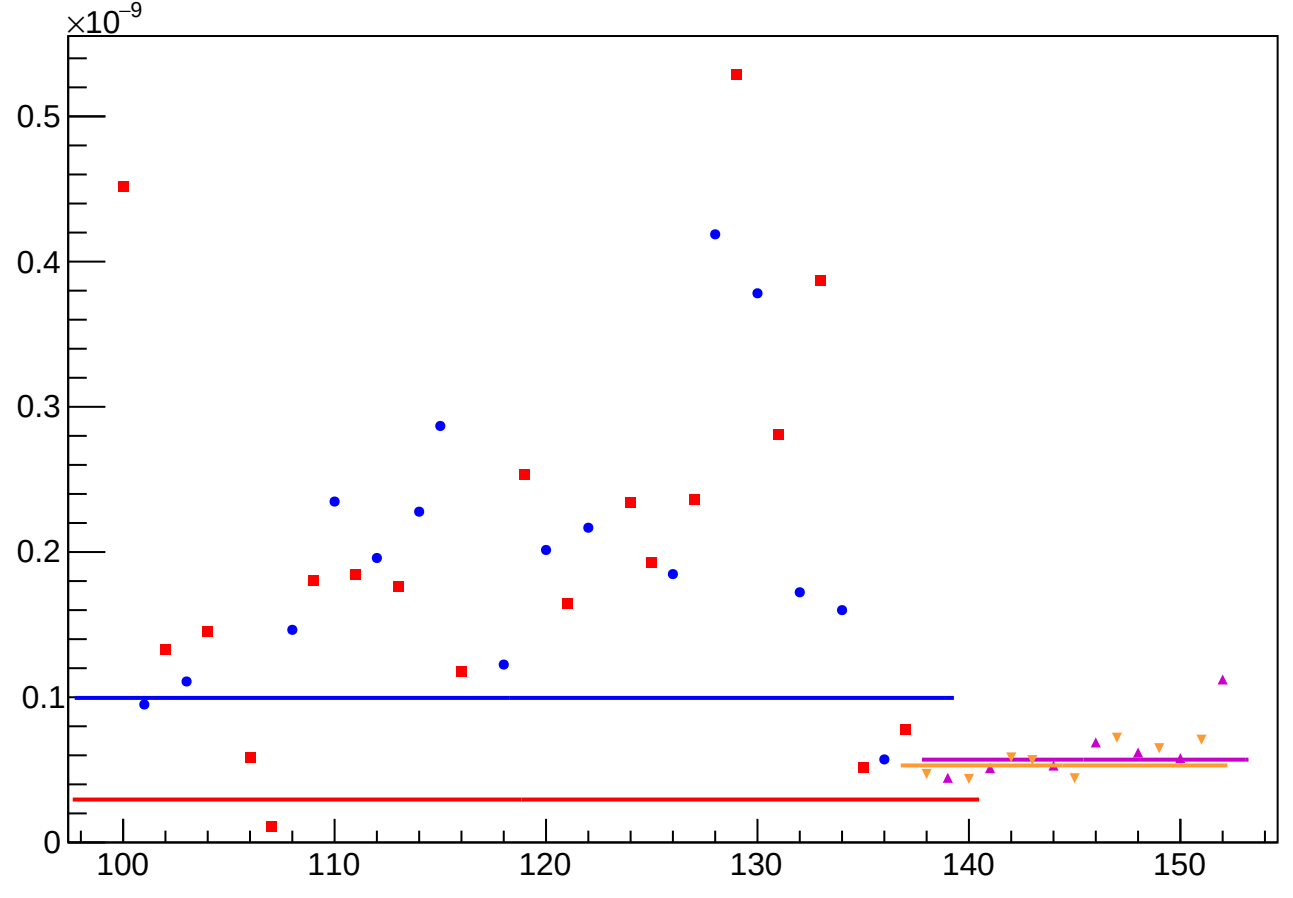
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4130.759+/-0.812 χ^2/NDF:749243.6/22

Out: 3896.687+/-0.768 χ^2/NDF:1238433.4/26

All: 4007.152+/-0.558 χ^2/NDF: 2031558.1/49


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:1.7/6
Left: -0.000+/-0.000 χ²/NDF: 14.4/14
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:19.4/22
Out: 0.000+/-0.000 χ²/NDF:38.1/26
All: 0.000+/-0.000 χ²/NDF: 57.6/49



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:241190.5/6

Left: 0.000+/-0.000 χ^2/NDF: 428024.5/14

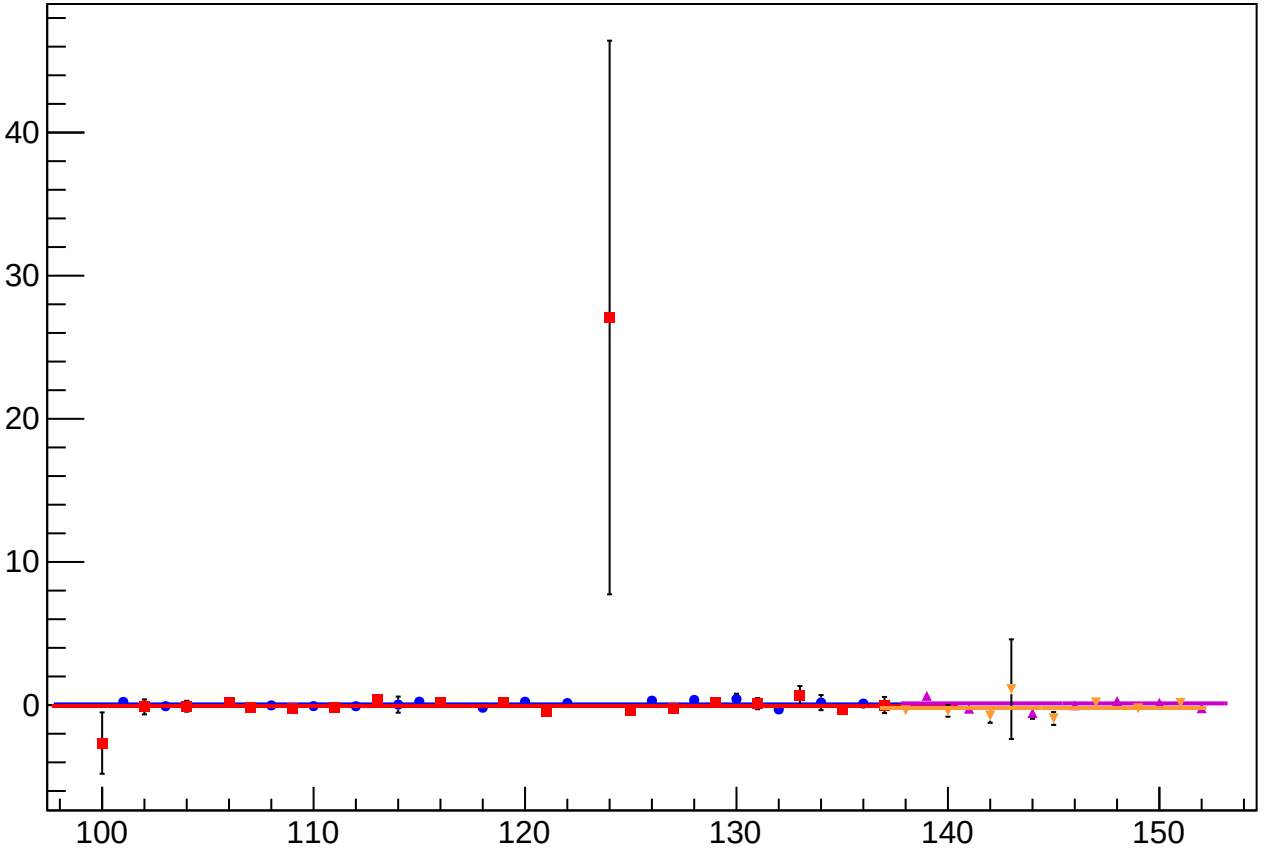
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2391732.1/22

Out: 0.000+/-0.000 χ^2/NDF:5006098.2/26

All: 0.000+/-0.000 χ^2/NDF: 8235775.0/49

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: 0.119+/-0.111 χ^2/NDF:10.5/6

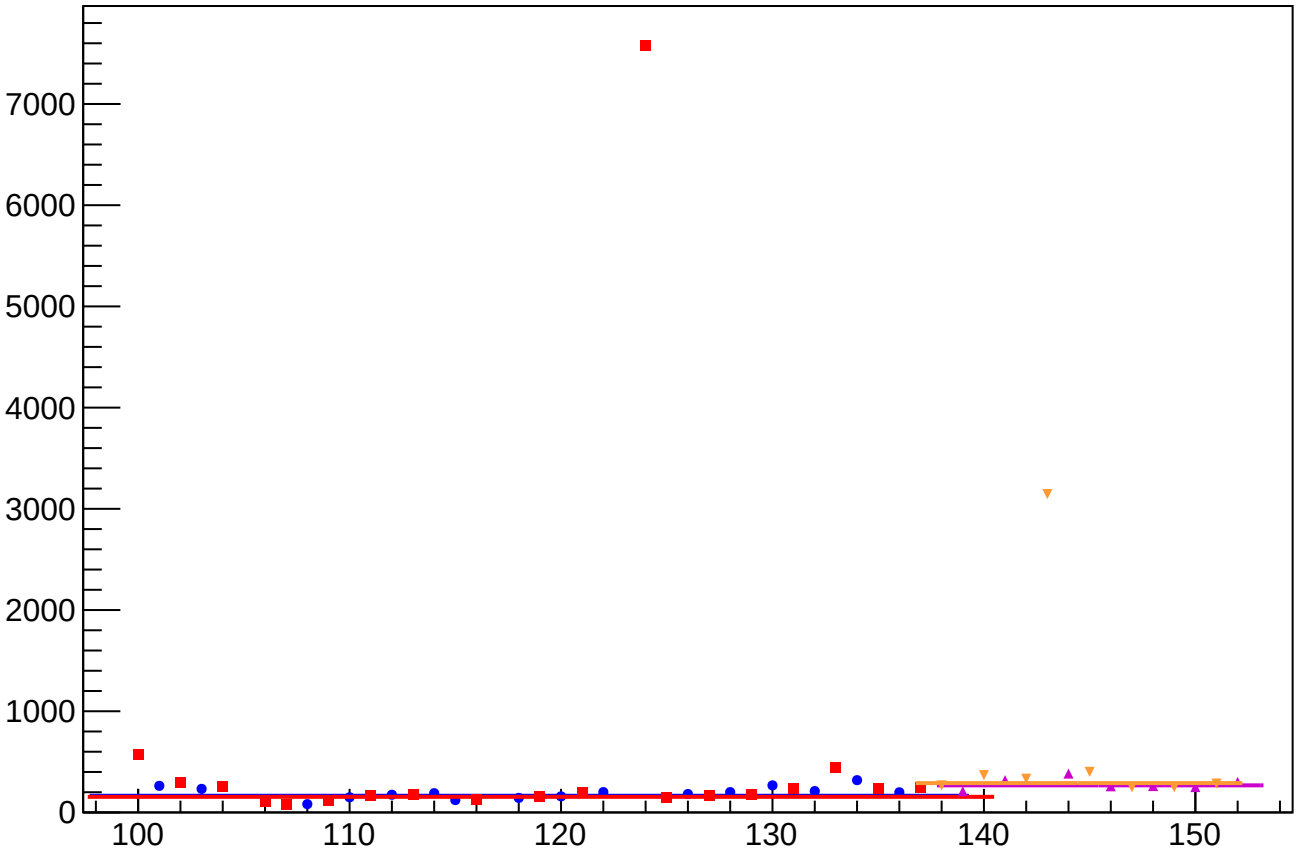
Left: -0.021+/-0.083 χ^2/NDF: 21.9/14

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.067+/-0.057 χ^2/NDF:18.4/22

Out: -0.091+/-0.057 χ^2/NDF:27.1/26

All: -0.011+/-0.040 χ^2/NDF: 49.3/49



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: 267.812+/-0.079 χ^2/NDF:360722.8/6

Left: 277.582+/-0.059 χ^2/NDF: 2059452.4/14

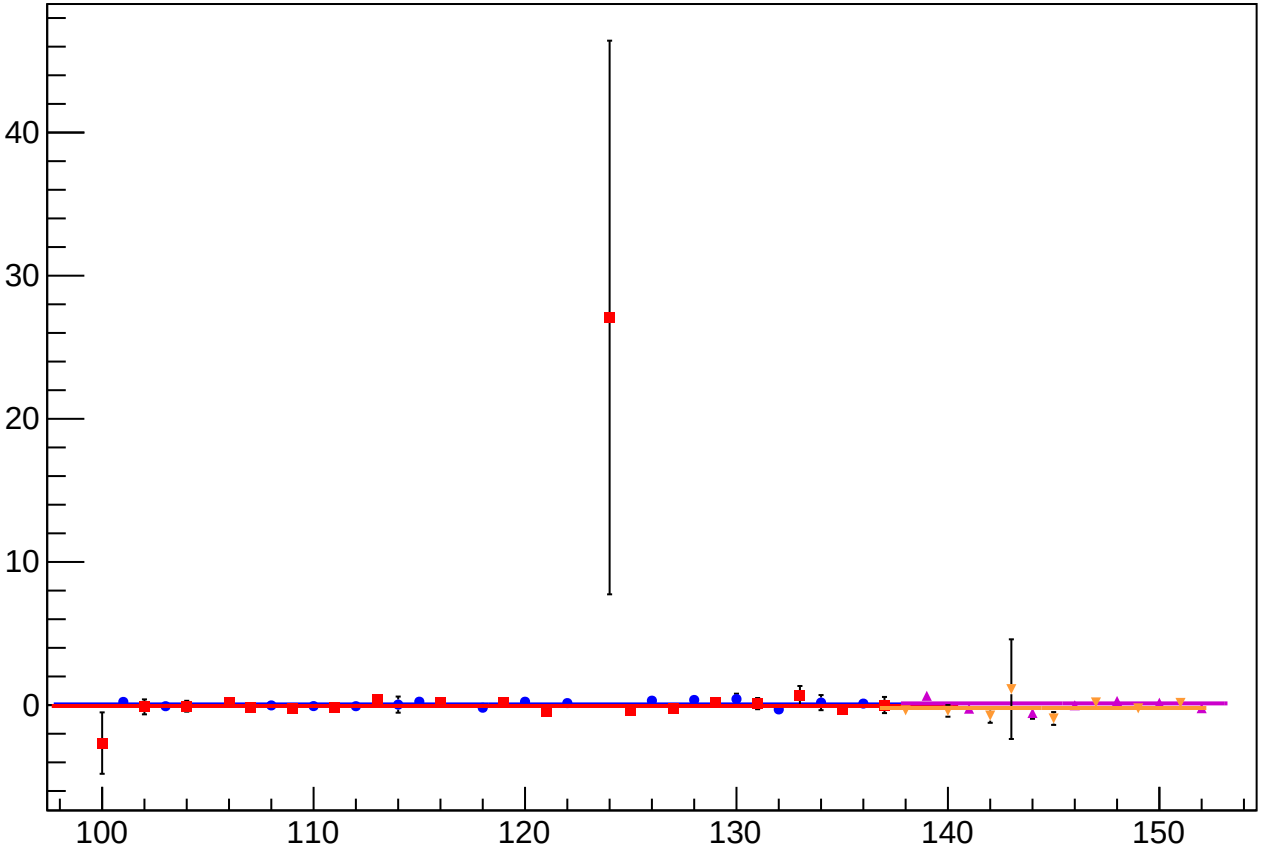
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 191.973+/-0.040 χ^2/NDF:3101303.6/22

Out: 182.358+/-0.041 χ^2/NDF:5416893.5/26

All: 187.199+/-0.029 χ^2/NDF: 8546458.9/49

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: 0.119+/-0.111 χ^2/NDF:10.5/6

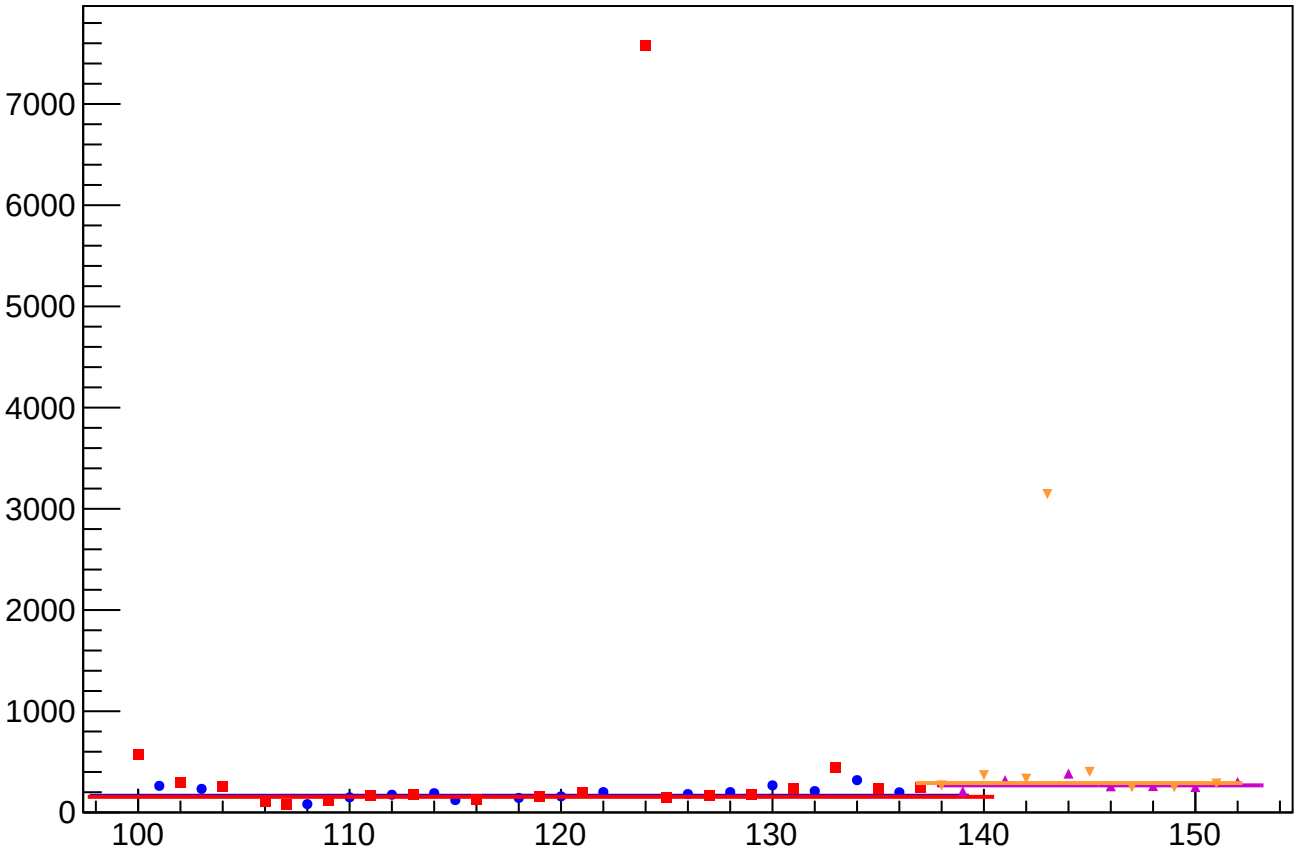
Left: -0.021+/-0.083 χ^2/NDF: 21.9/14

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.067+/-0.057 χ^2/NDF:18.4/22

Out: -0.091+/-0.057 χ^2/NDF:27.1/26

All: -0.011+/-0.040 χ^2/NDF: 49.3/49



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: 267.812+/-0.079 χ^2/NDF:360722.8/6

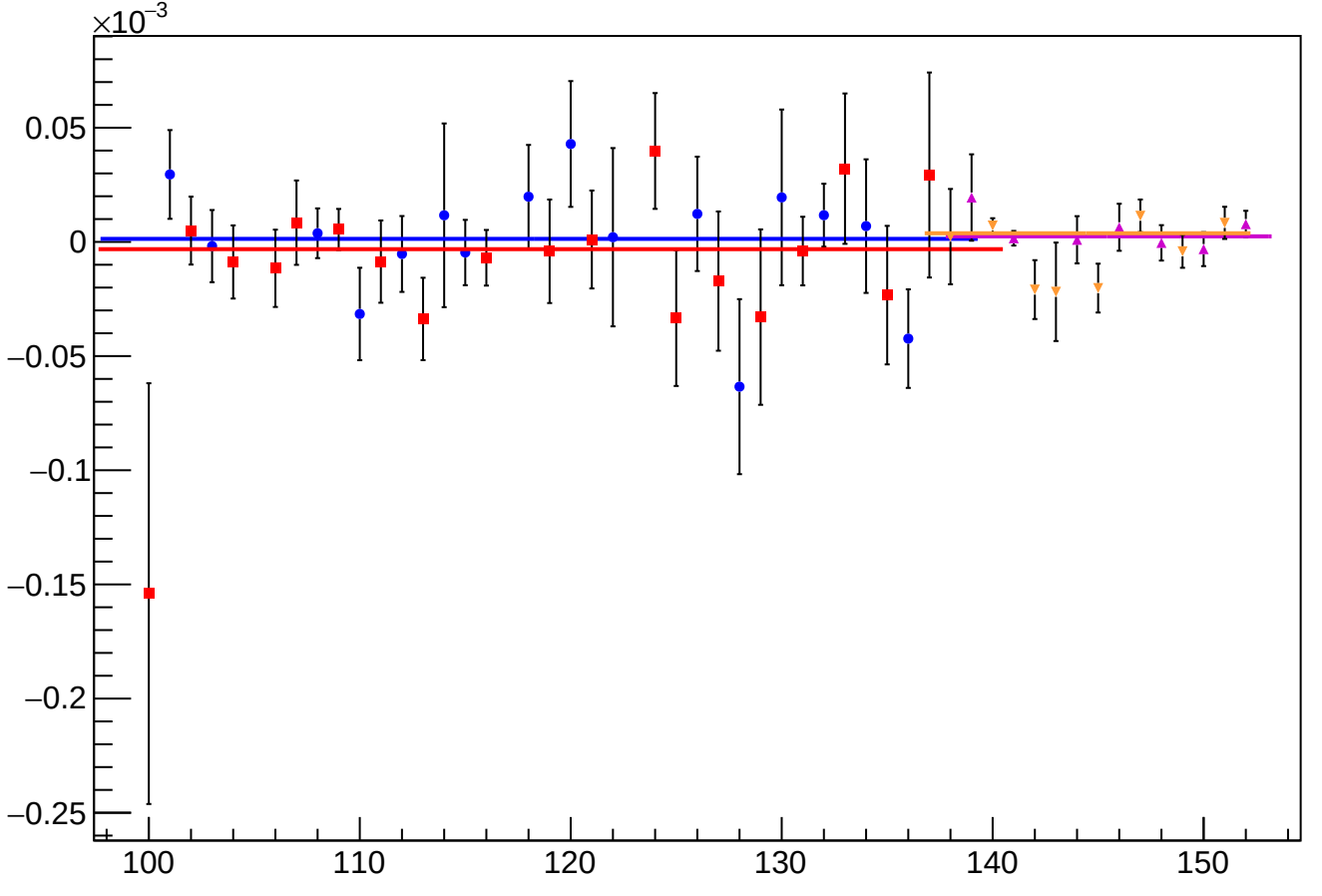
Left: 277.582+/-0.059 χ^2/NDF: 2059452.4/14

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 191.973+/-0.040 χ^2/NDF:3101303.6/22

Out: 182.358+/-0.041 χ^2/NDF:5416893.5/26

All: 187.199+/-0.029 χ^2/NDF: 8546458.9/49



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:2.6/6

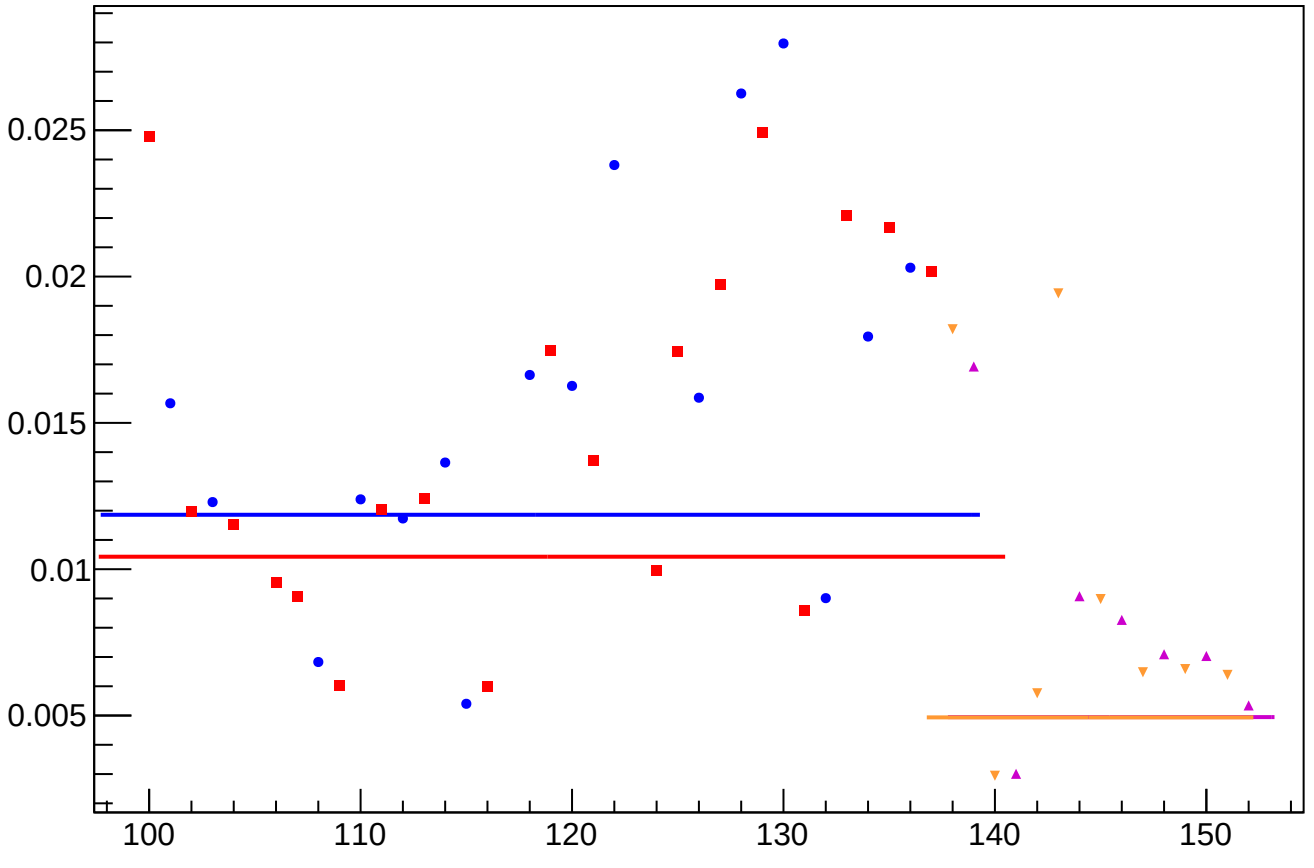
Left: 0.000+/-0.000 χ^2/NDF: 16.8/14

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:18.8/22

Out: 0.000+/-0.000 χ^2/NDF:30.6/26

All: 0.000+/-0.000 χ^2/NDF: 49.4/49



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:2381308.8/6

Left: 0.005+/-0.000 χ^2/NDF: 5439512.6/14

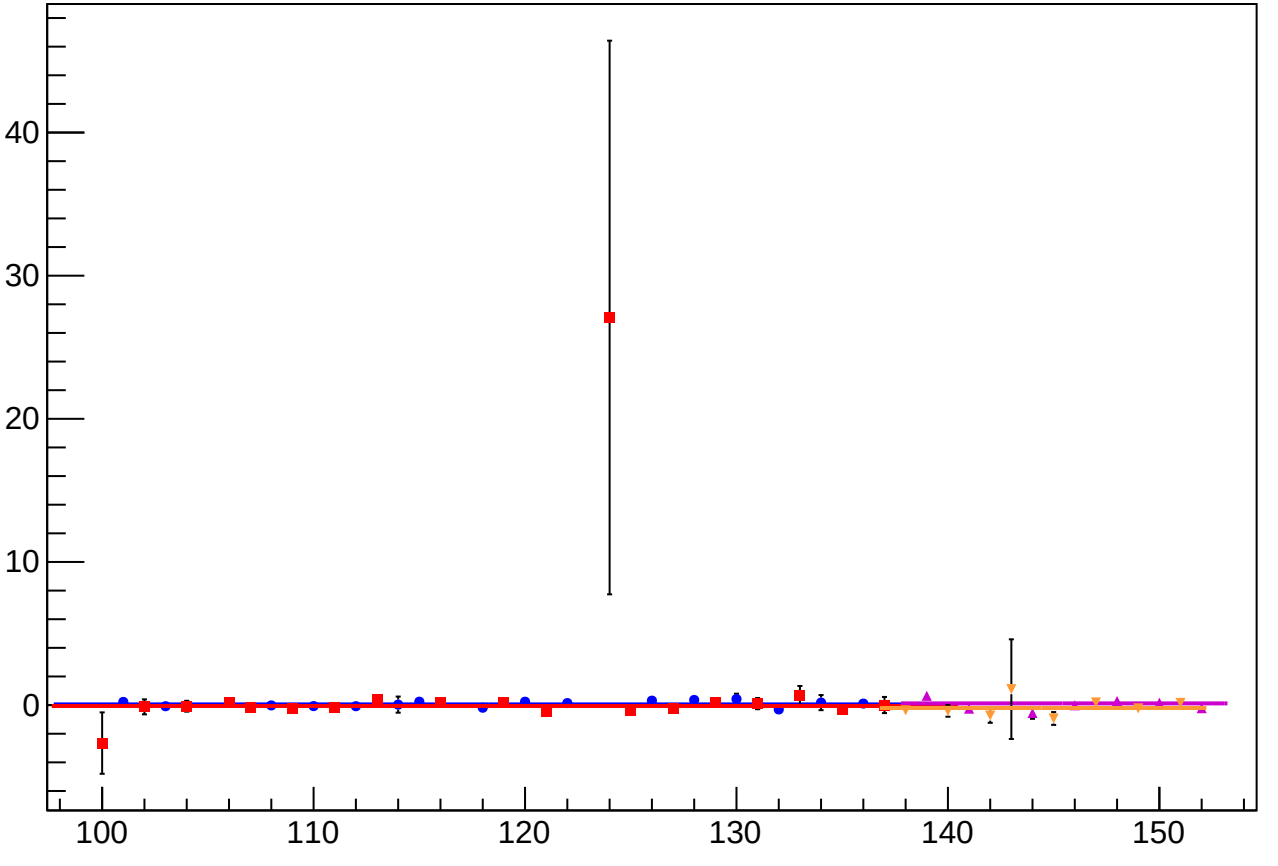
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:8060573.8/22

Out: 0.006+/-0.000 χ^2/NDF:7960776.6/26

All: 0.006+/-0.000 χ^2/NDF: 16021458.2/49

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: 0.119+/-0.111 χ^2/NDF:10.5/6

Left: -0.021+/-0.083 χ^2/NDF: 21.9/14

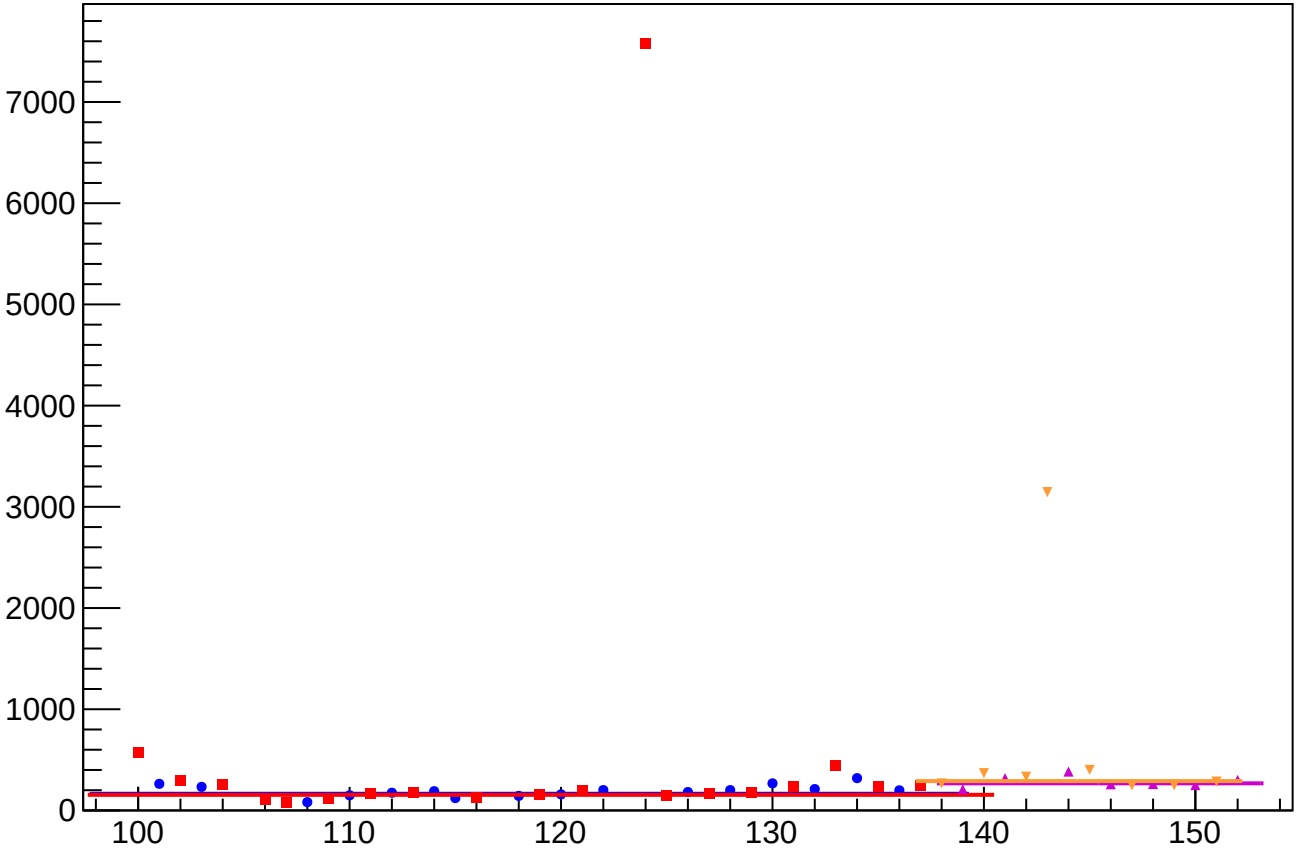
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.067+/-0.057 χ^2/NDF:18.4/22

Out: -0.091+/-0.057 χ^2/NDF:27.1/26

All: -0.011+/-0.040 χ^2/NDF: 49.3/49

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: 267.816+/-0.079 χ^2/NDF:360700.8/6

Left: 277.585+/-0.059 χ^2/NDF: 2059410.7/14

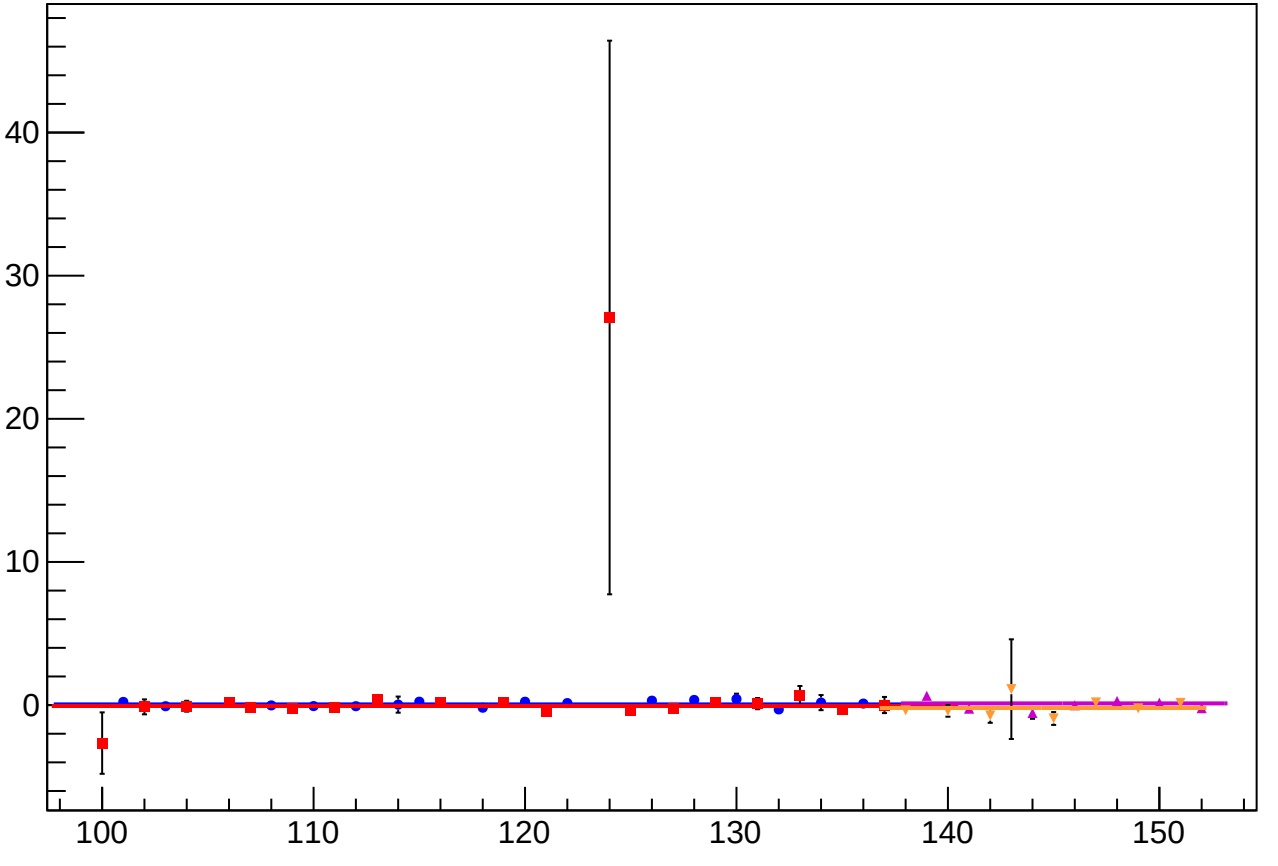
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 191.974+/-0.040 χ^2/NDF:3101326.0/22

Out: 182.358+/-0.041 χ^2/NDF:5416976.0/26

All: 187.199+/-0.029 χ^2/NDF: 8546564.6/49

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: 0.119+/-0.111 χ^2/NDF:10.5/6

Left: -0.021+/-0.083 χ^2/NDF: 21.9/14

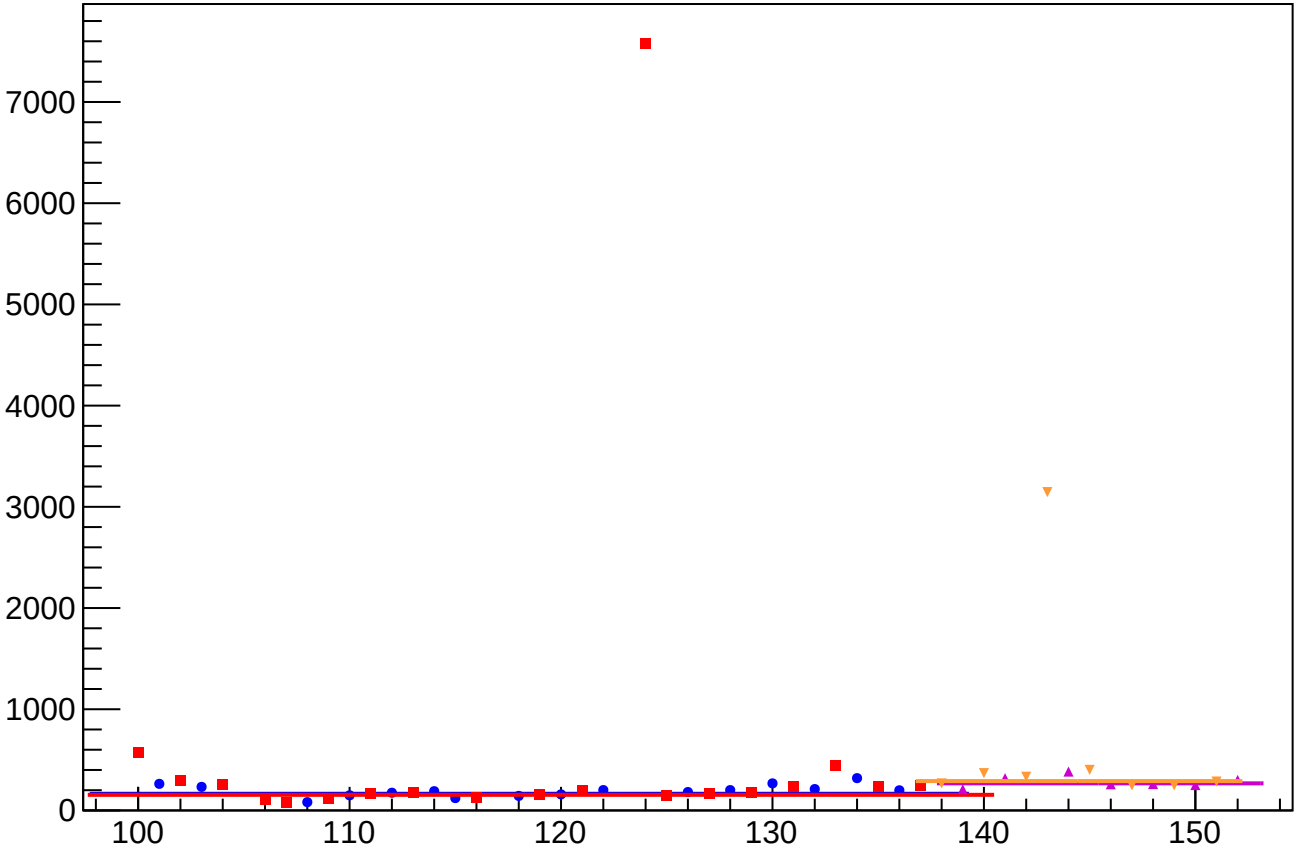
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.067+/-0.057 χ^2/NDF:18.4/22

Out: -0.091+/-0.057 χ^2/NDF:27.1/26

All: -0.011+/-0.040 χ^2/NDF: 49.3/49

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: 267.816+/-0.079 χ^2/NDF:360700.8/6

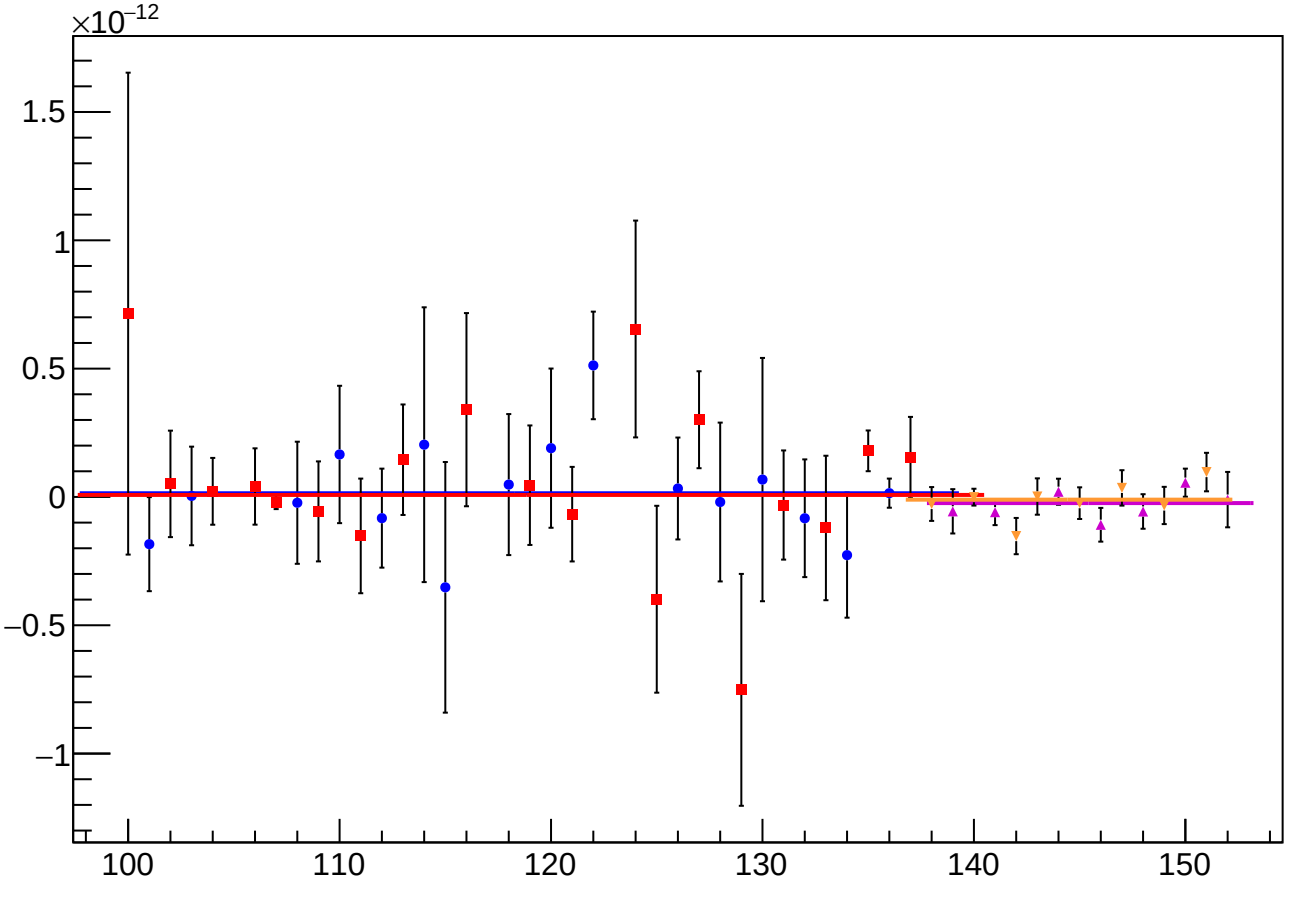
Left: 277.585+/-0.059 χ^2/NDF: 2059410.7/14

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 191.974+/-0.040 χ^2/NDF:3101326.0/22

Out: 182.358+/-0.041 χ^2/NDF:5416976.0/26

All: 187.199+/-0.029 χ^2/NDF: 8546564.6/49



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:5.4/6

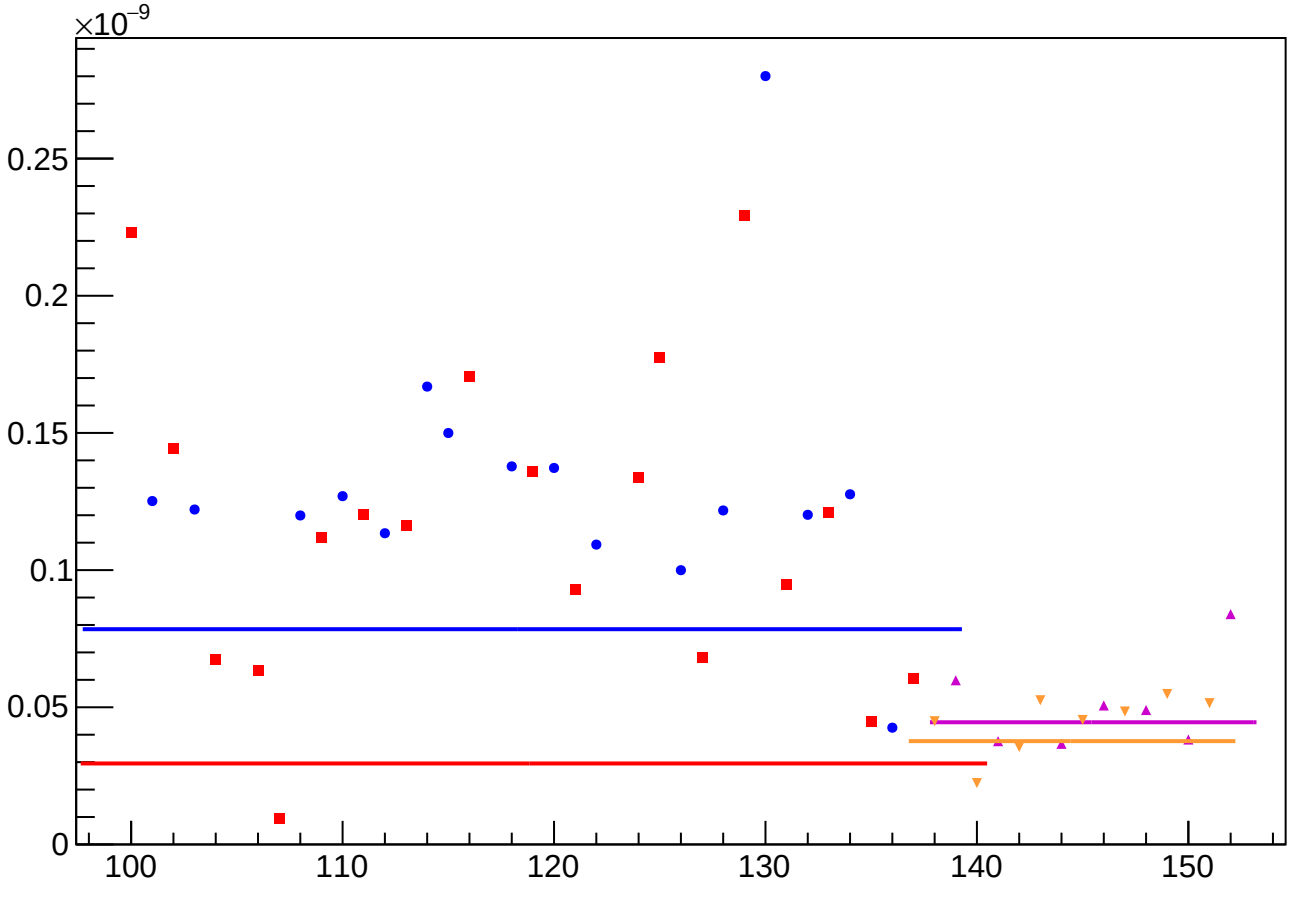
Left: -0.000+/-0.000 χ^2/NDF: 12.4/14

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:15.7/22

Out: -0.000+/-0.000 χ^2/NDF:25.6/26

All: -0.000+/-0.000 χ^2/NDF: 41.5/49



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:467357.9/6

Left: 0.000+/-0.000 χ^2/NDF: 1373308.8/14

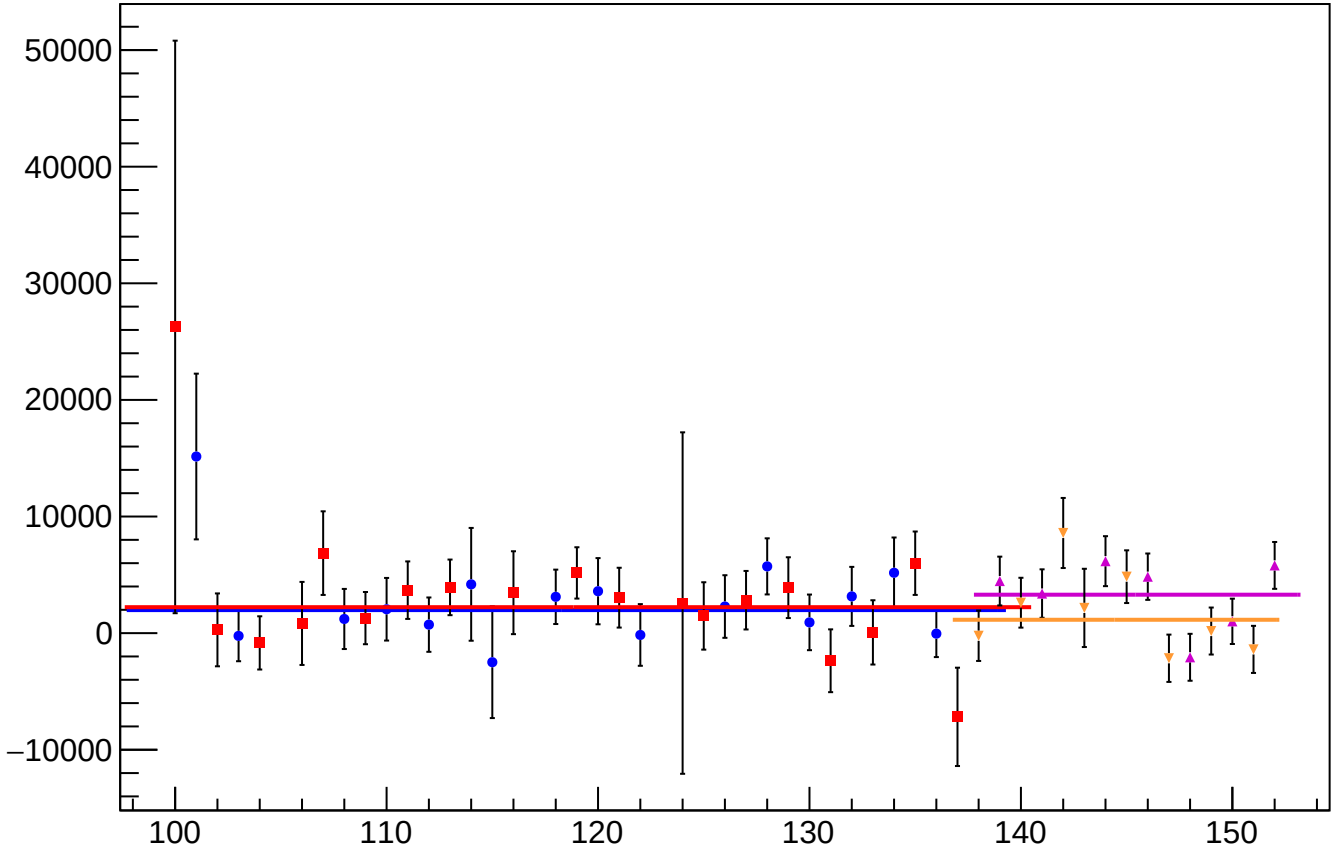
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3546214.8/22

Out: 0.000+/-0.000 χ^2/NDF:6437361.6/26

All: 0.000+/-0.000 χ^2/NDF: 11024667.6/49

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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: 3296.260+/-769.037 χ^2/NDF:12.8/6

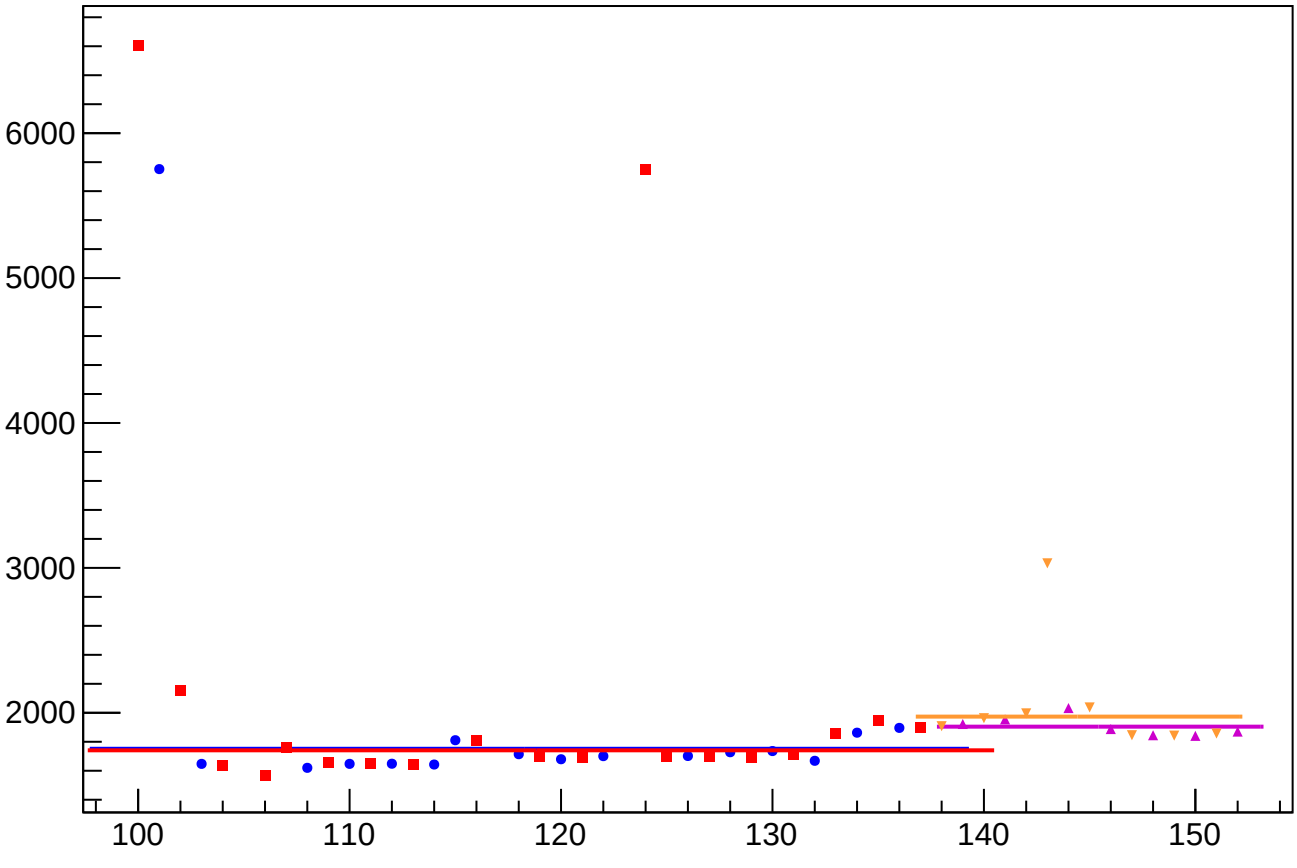
Left: 2263.779+/-554.358 χ^2/NDF: 30.8/14

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2543.649+/-504.188 χ^2/NDF:26.6/22

Out: 1791.929+/-507.353 χ^2/NDF:34.3/26

All: 2170.141+/-357.628 χ^2/NDF: 62.0/49



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: 1904.279+/-0.544 χ^2/NDF:13071.4/6

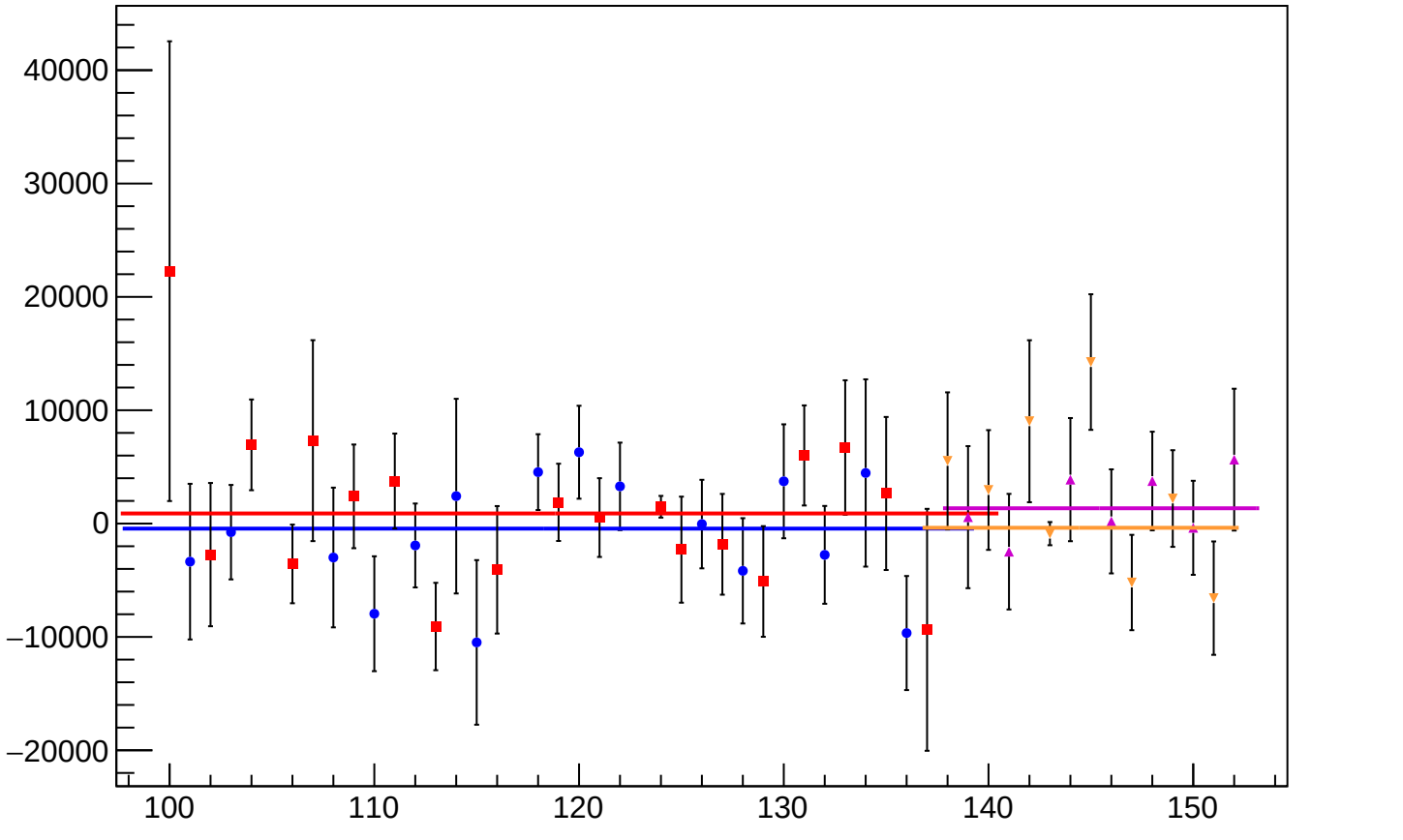
Left: 1937.587+/-0.392 χ^2/NDF: 246463.9/14

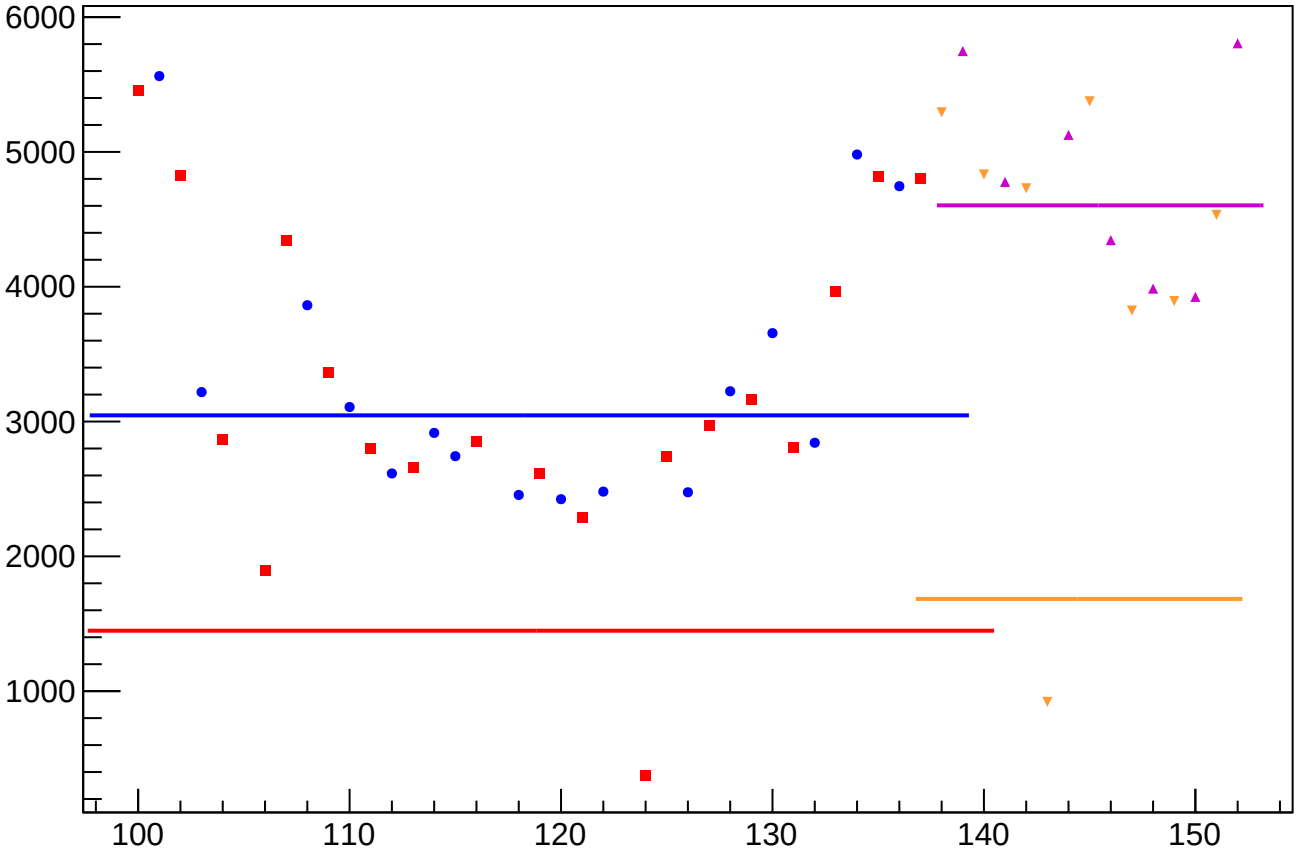
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1817.229+/-0.357 χ^2/NDF:728666.0/22

Out: 1833.804+/-0.357 χ^2/NDF:631890.6/26

All: 1825.501+/-0.252 χ^2/NDF: 1361635.4/49


asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -444.273+/-1174.448 χ²/NDF: 15.9/15
Left Out: -371.476+/-905.782 χ²/NDF:12.5/7
Right Out: 892.237+/-725.737 χ²/NDF: 20.1/18
Left In: 1350.526+/-1884.046 χ²/NDF:1.8/6
Left: -48.185+/-816.340 χ²/NDF: 15.0/14
Right: 522.917+/-617.375 χ²/NDF: 36.9/34
In: 57.986+/-996.662 χ²/NDF:18.4/22
Out: 398.159+/-566.366 χ²/NDF:33.8/26
All: 315.124+/-492.414 χ²/NDF: 52.3/49



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: 4603.728+/-1.332 χ^2/NDF:261568.9/6

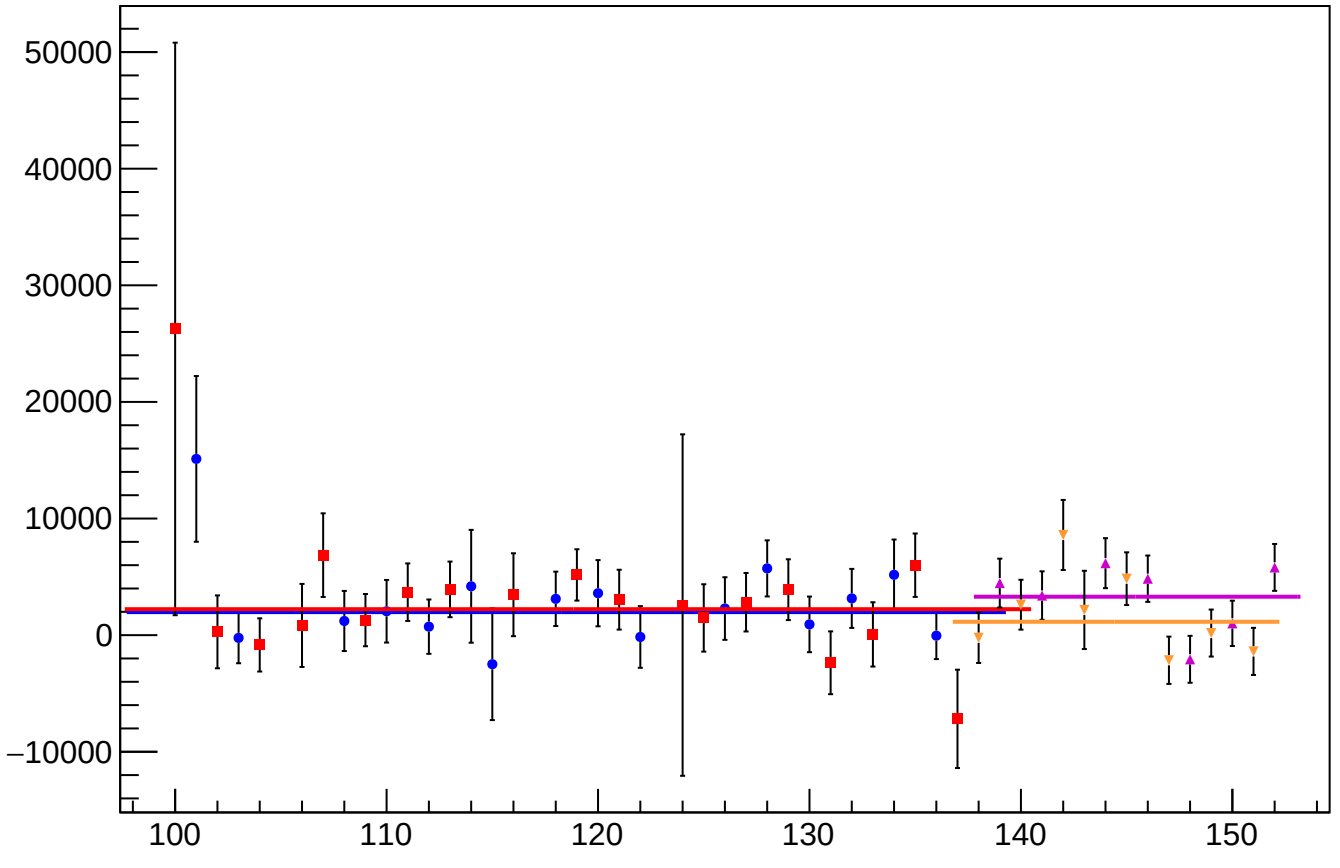
Left: 2232.261+/-0.577 χ^2/NDF: 9530388.8/14

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3481.858+/-0.705 χ^2/NDF:2153654.9/22

Out: 1540.638+/-0.400 χ^2/NDF:12237069.9/26

All: 2014.486+/-0.348 χ^2/NDF: 20125931.4/4



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: 3296.485+/-769.037 χ^2/NDF:12.8/6

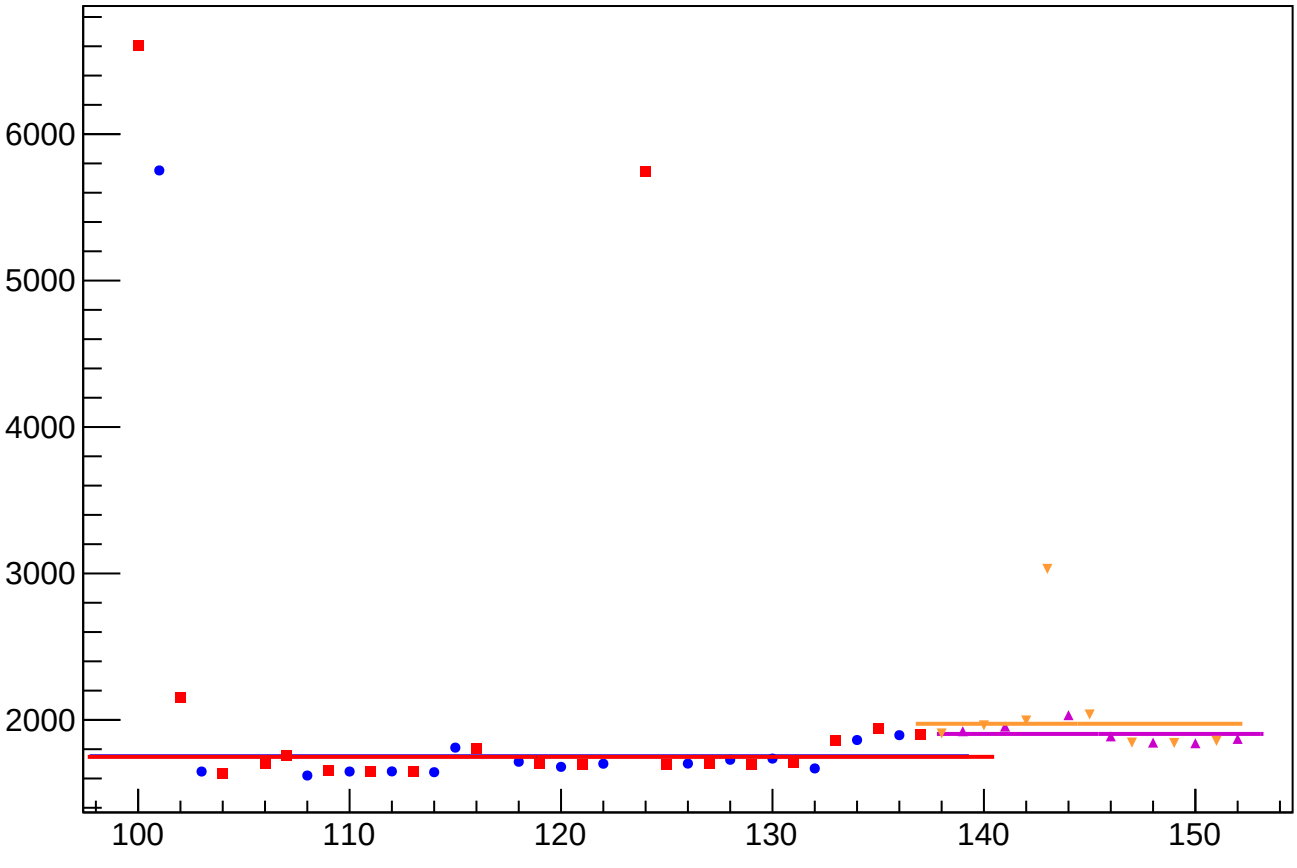
Left: 2263.911+/-554.358 χ^2/NDF: 30.8/14

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2543.545+/-504.188 χ^2/NDF:26.6/22

Out: 1792.000+/-507.353 χ^2/NDF:34.3/26

All: 2170.124+/-357.628 χ^2/NDF: 62.0/49



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: 1904.279+/-0.544 χ^2/NDF:13071.4/6

Left: 1937.587+/-0.392 χ^2/NDF: 246463.9/14

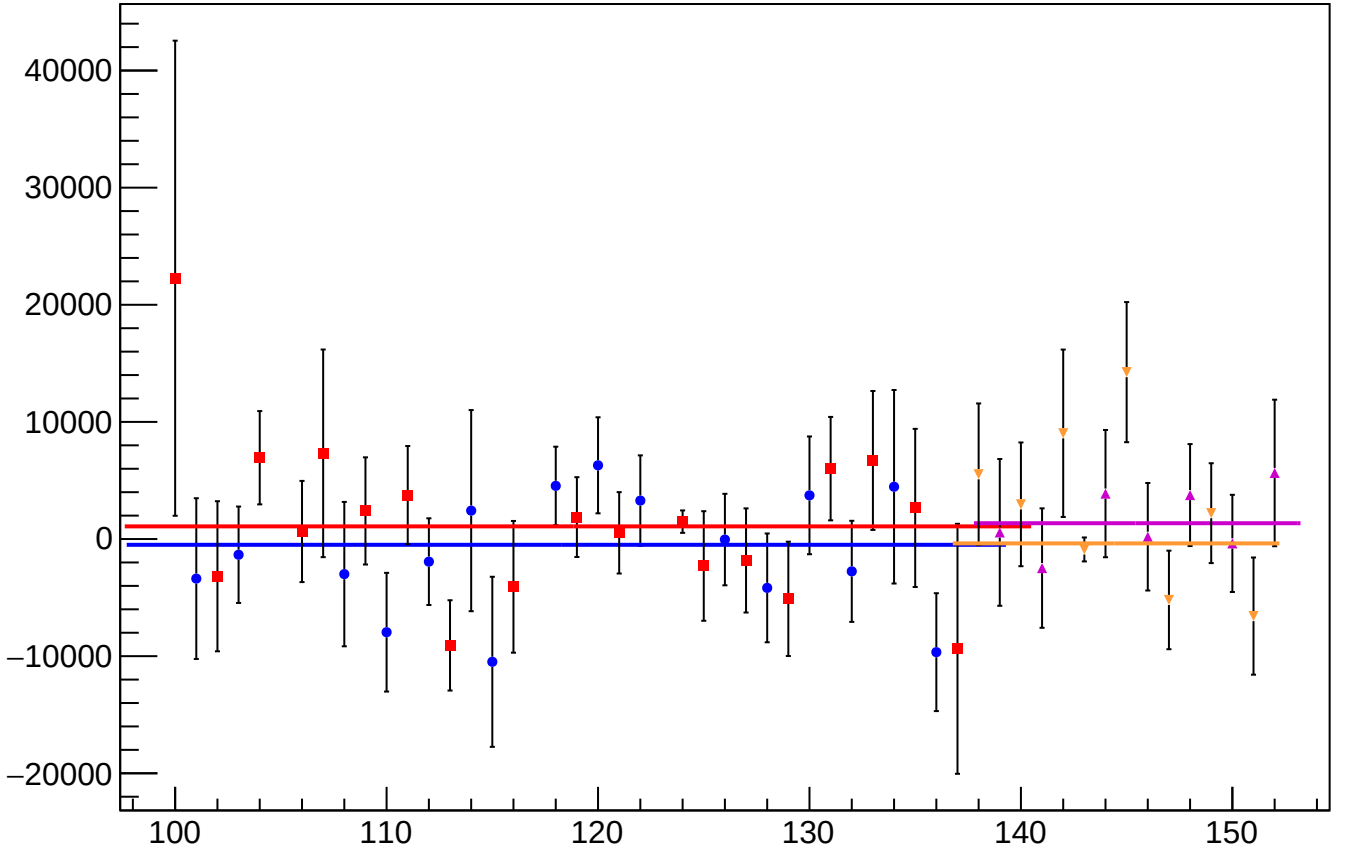
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1817.228+/-0.357 χ^2/NDF:728666.4/22

Out: 1838.246+/-0.358 χ^2/NDF:619073.7/26

All: 1827.695+/-0.253 χ^2/NDF: 1349470.8/49

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: 1350.577+/-1884.046 χ^2/NDF:1.8/6

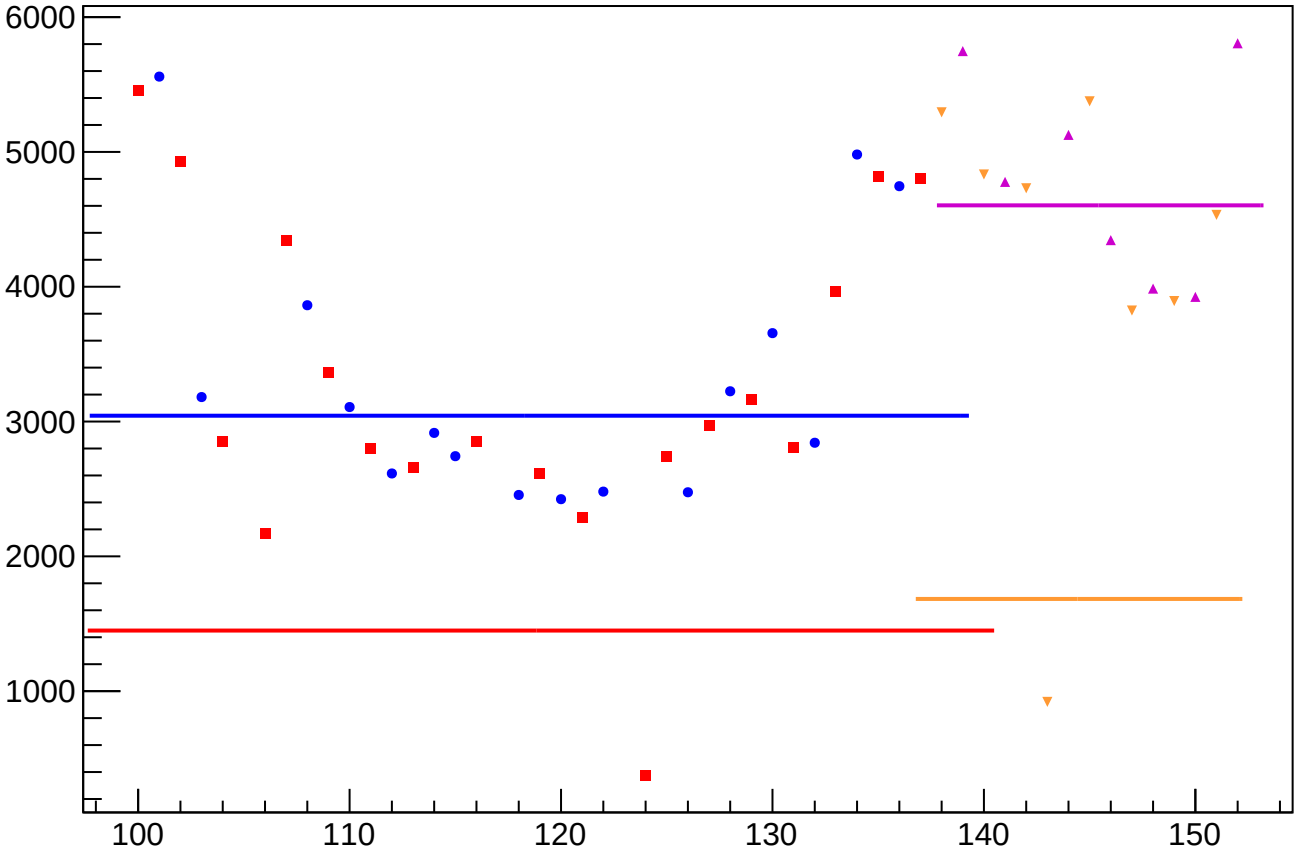
Left: -48.045+/-816.318 χ^2/NDF: 15.0/14

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 22.205+/-995.923 χ^2/NDF:18.5/22

Out: 507.683+/-569.066 χ^2/NDF:32.6/26

All: 388.192+/-494.094 χ^2/NDF: 51.2/49



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: 4603.728+/-1.332 χ^2/NDF:261568.4/6

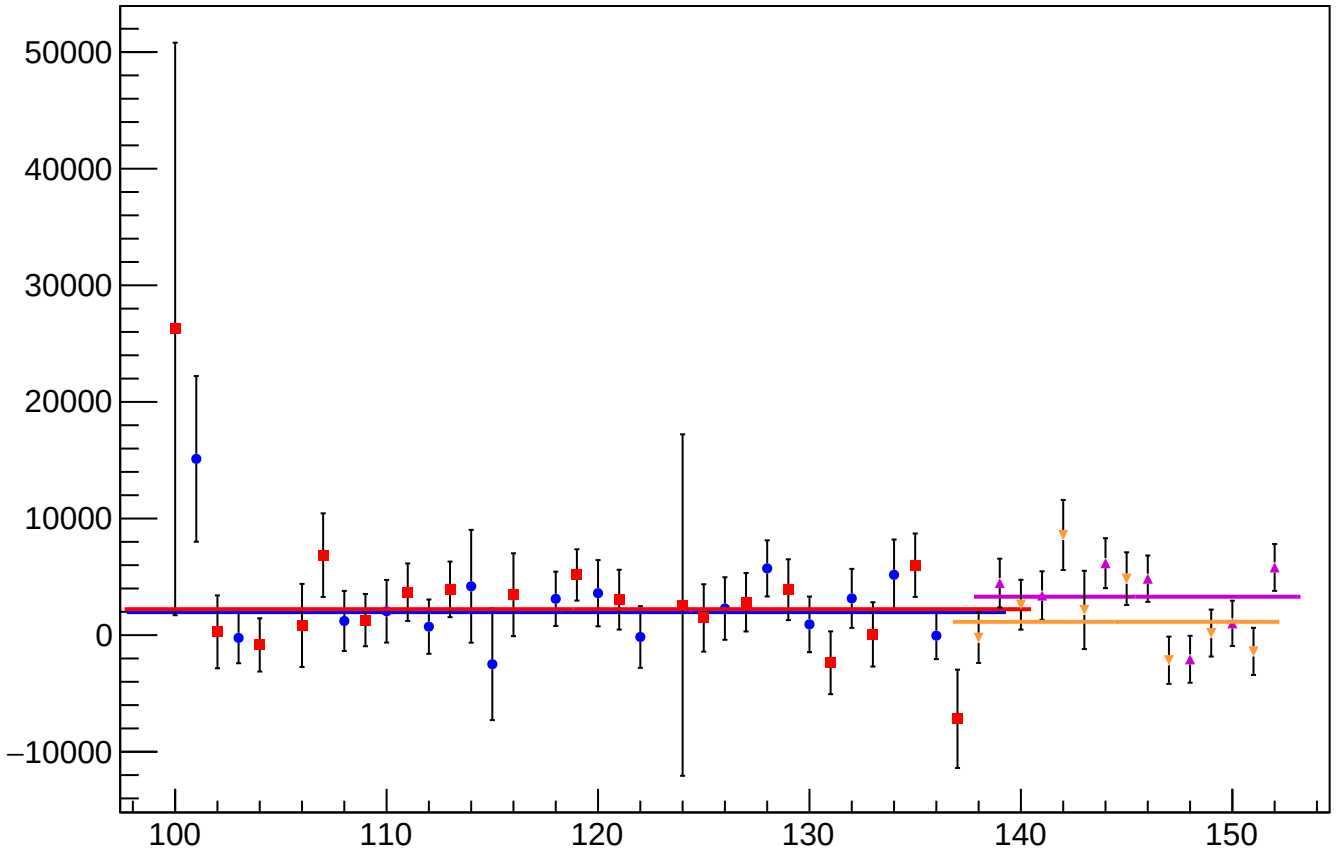
Left: 2232.169+/-0.577 χ^2/NDF: 9530836.9/14

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3479.304+/-0.704 χ^2/NDF:2155847.8/22

Out: 1542.097+/-0.402 χ^2/NDF:12274801.6/26

All: 2018.906+/-0.349 χ^2/NDF: 20135261.9/4



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: 3296.485+/-769.037 χ^2/NDF:12.8/6

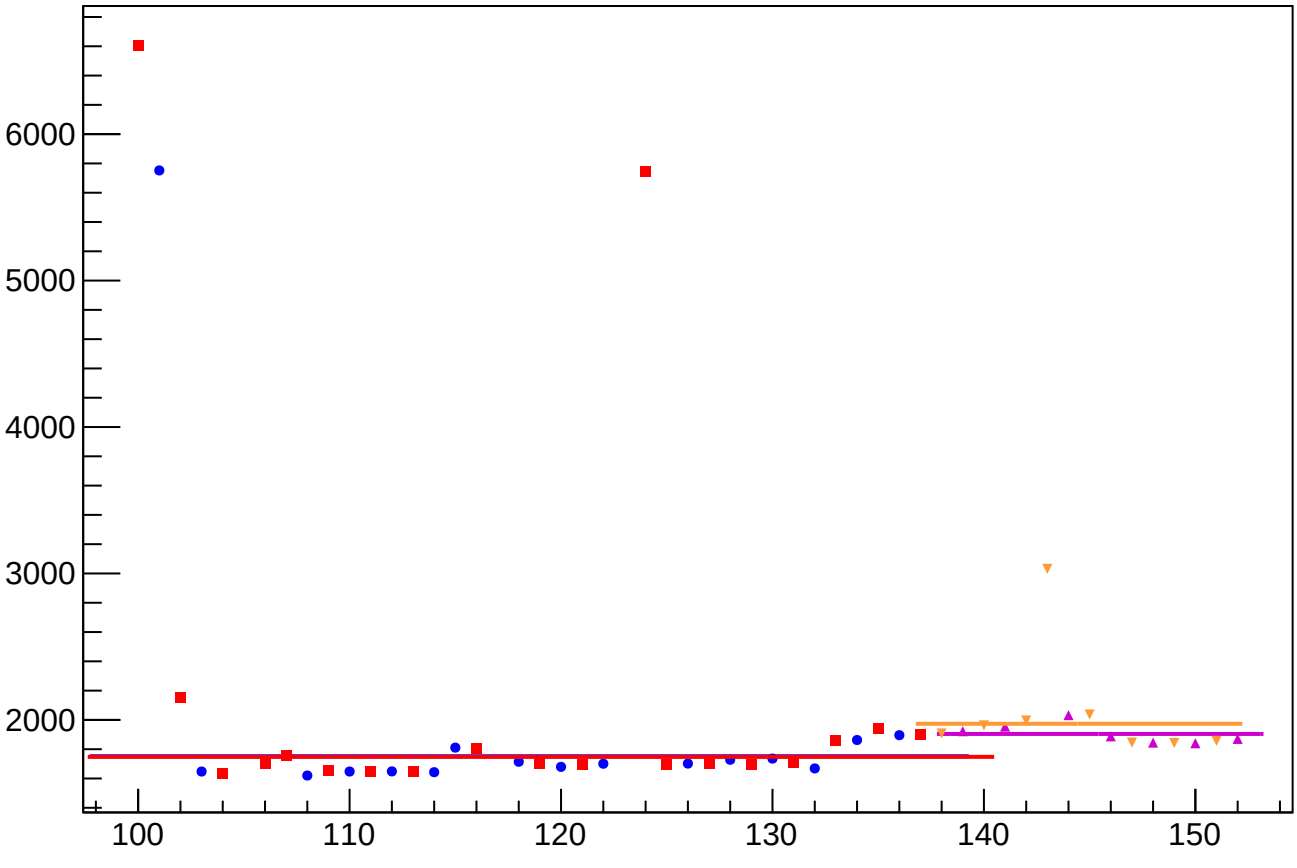
Left: 2263.911+/-554.358 χ^2/NDF: 30.8/14

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2543.545+/-504.188 χ^2/NDF:26.6/22

Out: 1792.000+/-507.353 χ^2/NDF:34.3/26

All: 2170.124+/-357.628 χ^2/NDF: 62.0/49



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: 1904.279+/-0.544 χ^2/NDF:13071.4/6

Left: 1937.587+/-0.392 χ^2/NDF: 246463.9/14

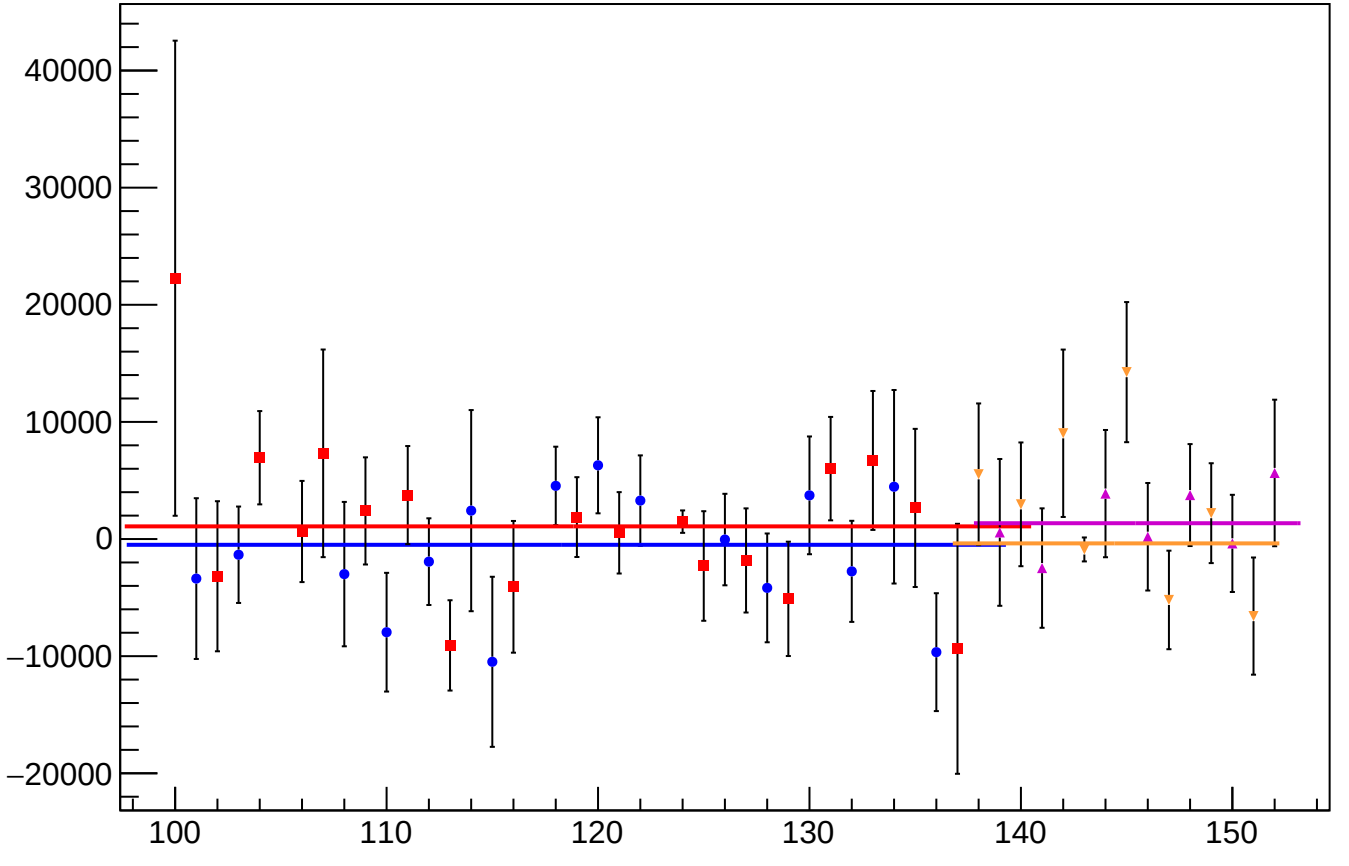
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1817.228+/-0.357 χ^2/NDF:728666.4/22

Out: 1838.246+/-0.358 χ^2/NDF:619073.7/26

All: 1827.695+/-0.253 χ^2/NDF: 1349470.8/49

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -371.294+/-905.753 χ^2/NDF:12.5/7

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1350.577+/-1884.046 χ^2/NDF:1.8/6

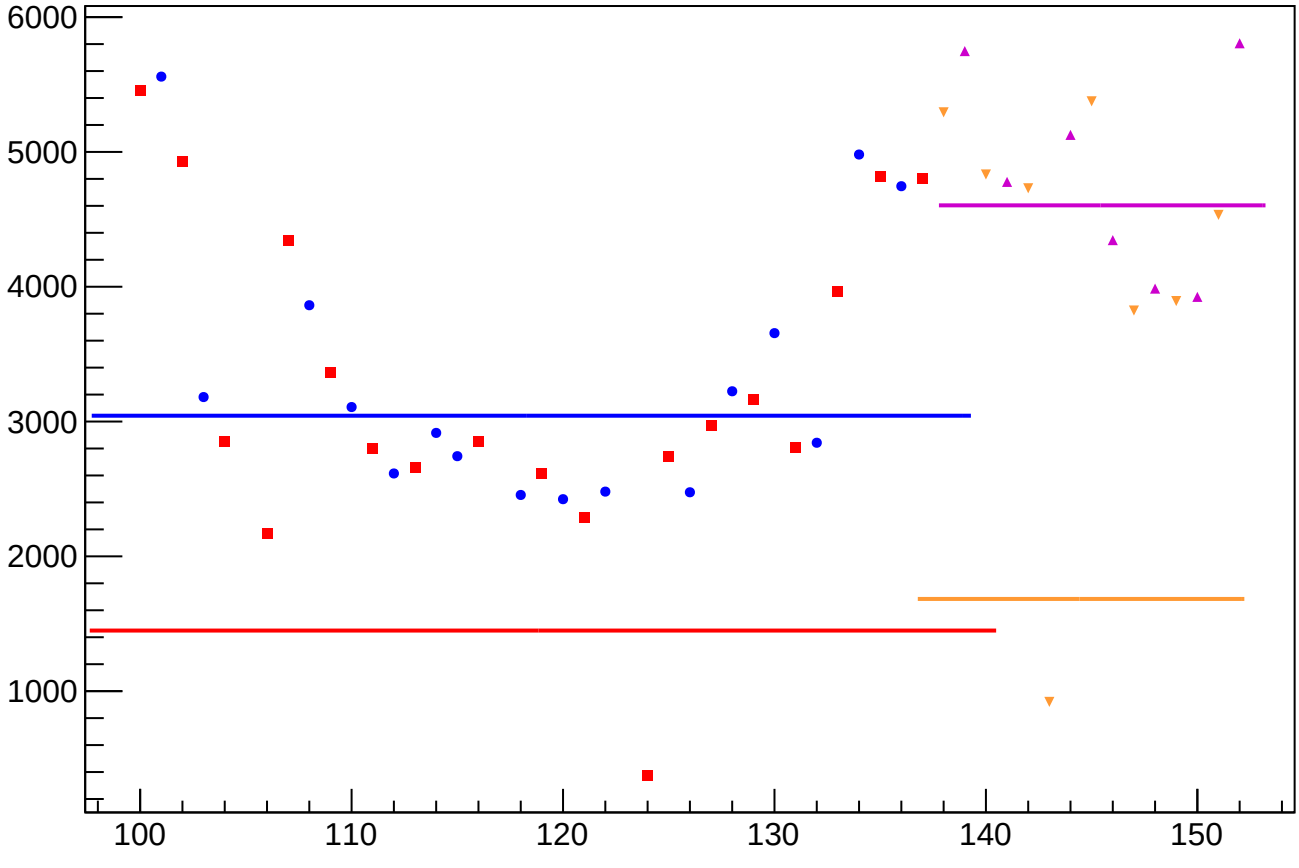
Left: -48.045+/-816.318 χ^2/NDF: 15.0/14

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 22.205+/-995.923 χ^2/NDF:18.5/22

Out: 507.683+/-569.066 χ^2/NDF:32.6/26

All: 388.192+/-494.094 χ^2/NDF: 51.2/49



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: 4603.728+/-1.332 χ^2/NDF:261568.4/6

Left: 2232.169+/-0.577 χ^2/NDF: 9530836.9/14

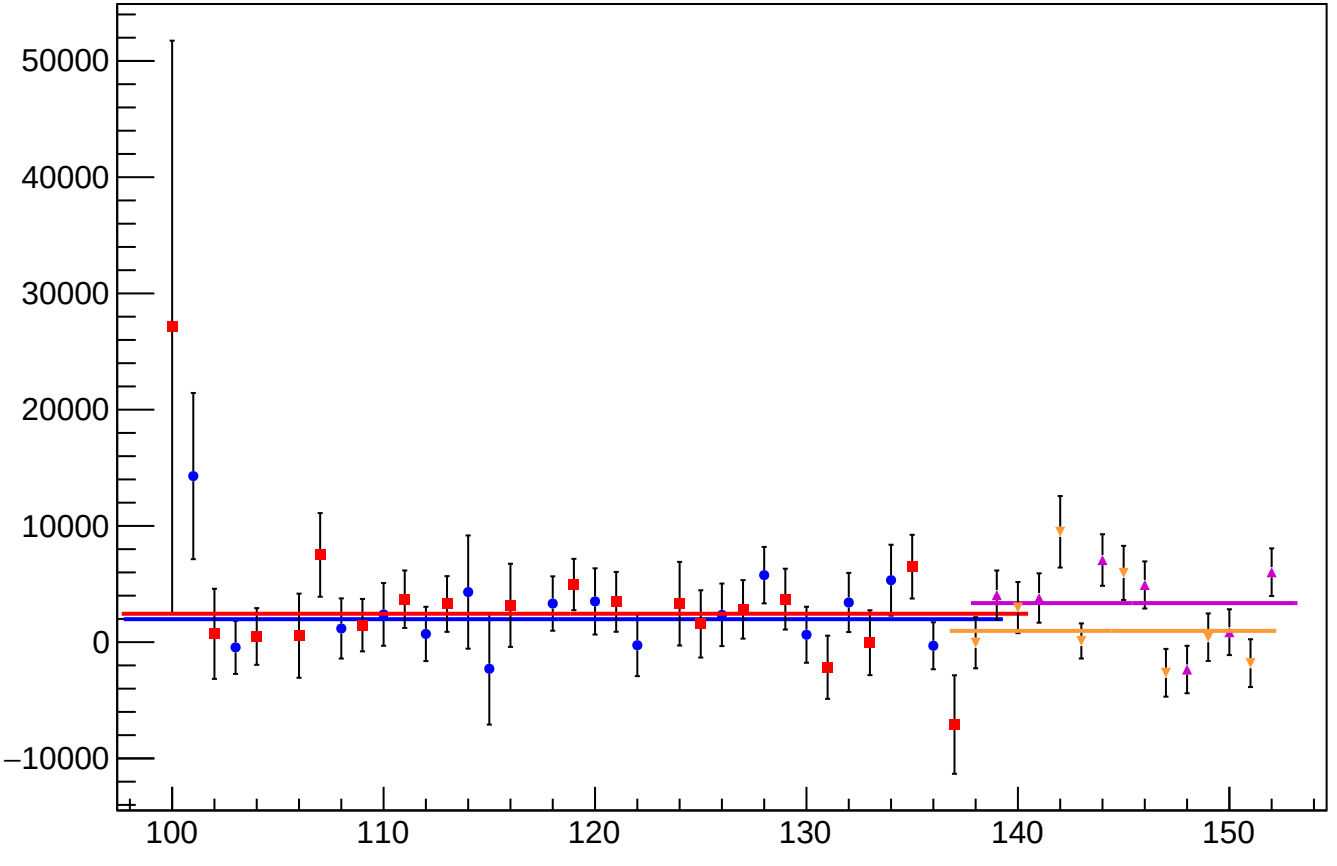
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3479.304+/-0.704 χ^2/NDF:2155847.8/22

Out: 1542.097+/-0.402 χ^2/NDF:12274801.6/26

All: 2018.906+/-0.349 χ^2/NDF: 20135261.9/4

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 971.671+/-734.089 χ^2/NDF:18.6/7

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3361.276+/-783.734 χ^2/NDF:14.7/6

Left: 2088.398+/-535.771 χ^2/NDF: 38.2/14

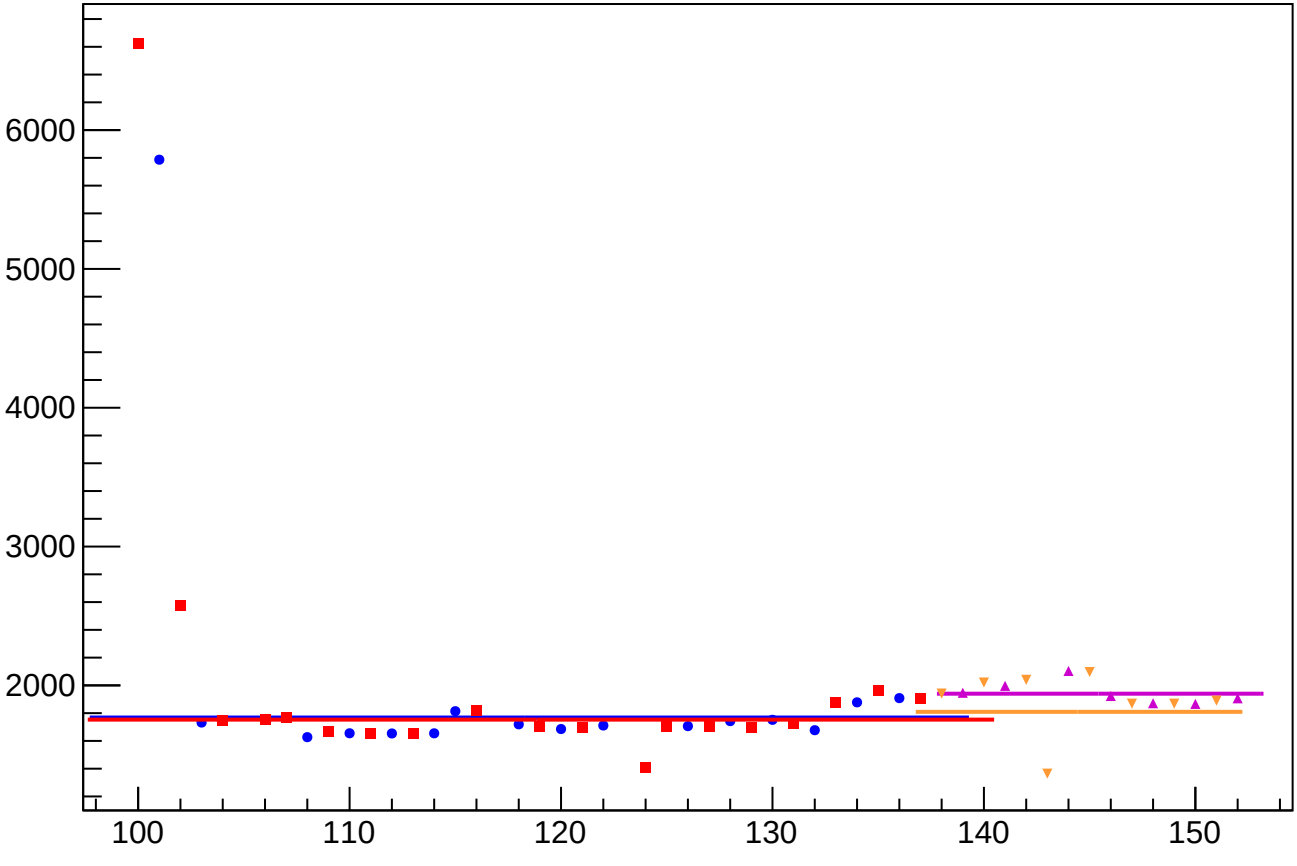
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2564.920+/-511.058 χ^2/NDF:28.9/22

Out: 1788.532+/-489.845 χ^2/NDF:38.3/26

All: 2160.279+/-353.634 χ^2/NDF: 68.4/49

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1809.467+/-0.519 χ^2/NDF:247443.4/7

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1940.184+/-0.554 χ^2/NDF:18042.3/6

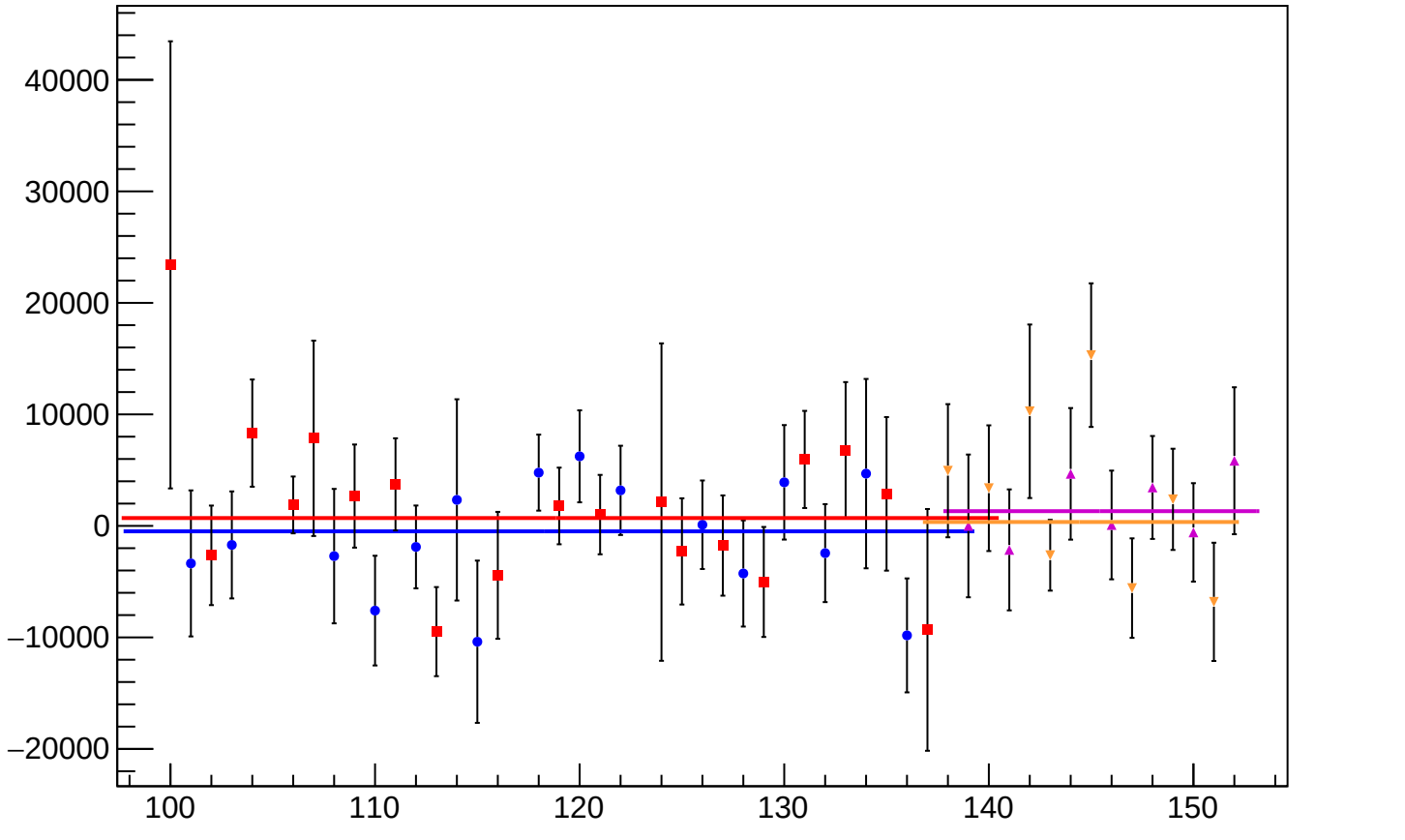
Left: 1870.554+/-0.379 χ^2/NDF: 295121.7/14

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1841.490+/-0.361 χ^2/NDF:740587.2/22

Out: 1778.281+/-0.346 χ^2/NDF:472798.9/26

All: 1808.500+/-0.250 χ^2/NDF: 1229354.0/49



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: 1320.207+/-1997.895 χ^2/NDF:1.7/6

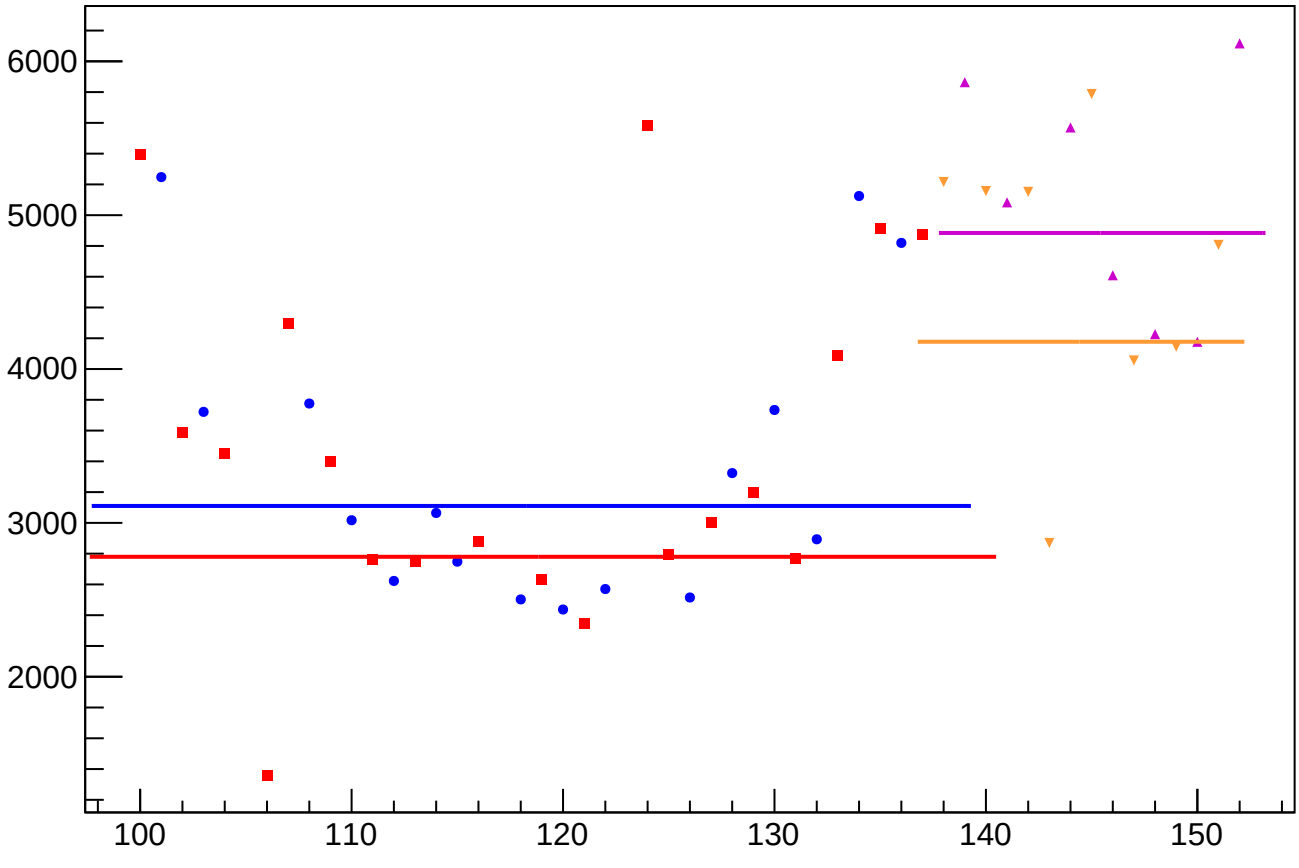
Left: 765.674+/-1308.393 χ^2/NDF: 14.4/14

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -9.569+/-1027.763 χ^2/NDF:18.1/22

Out: 605.533+/-909.869 χ^2/NDF:31.5/26

All: 335.269+/-681.260 χ^2/NDF: 49.7/49



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4177.369+/-1.224 χ^2/NDF:646035.4/7

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 4884.448+/-1.413 χ^2/NDF:244912.9/6

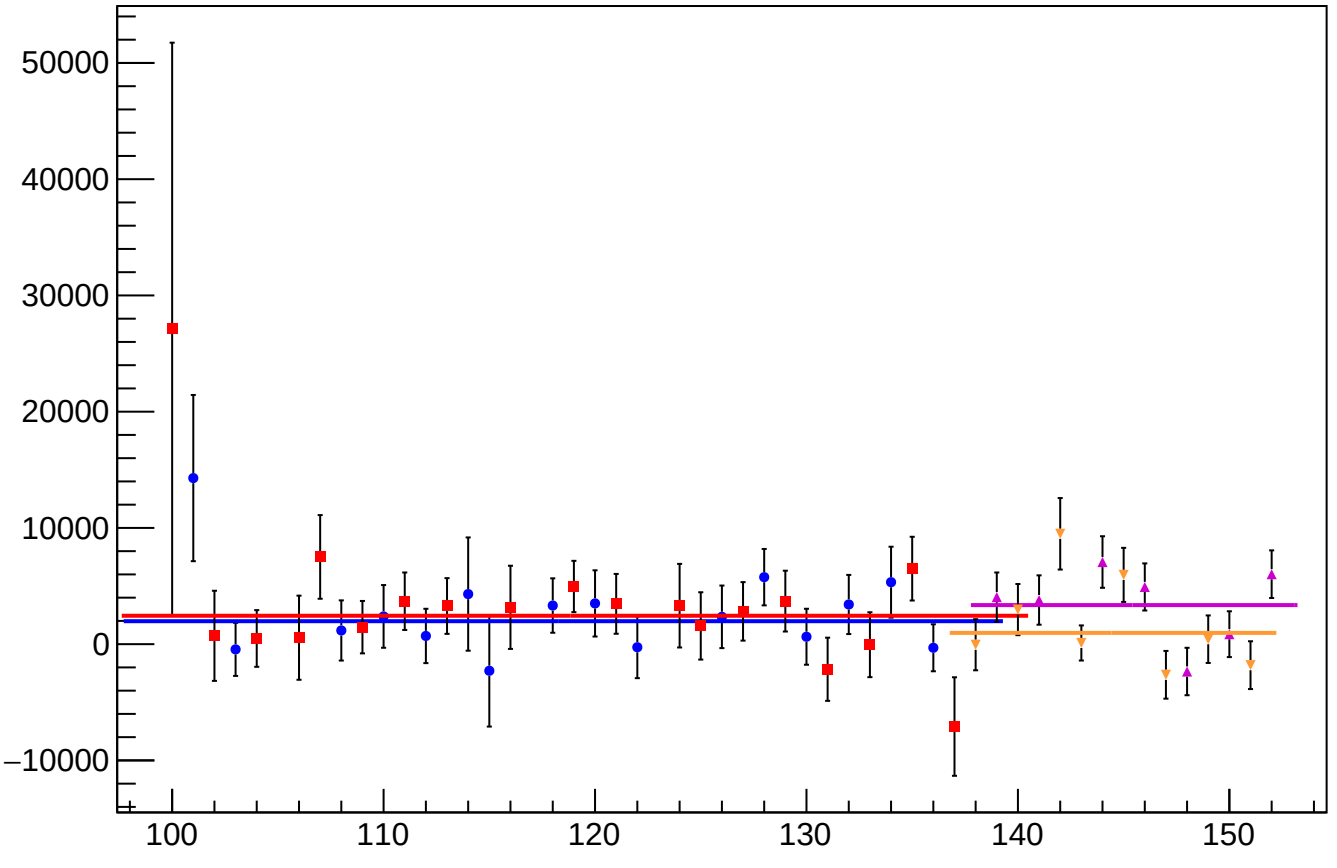
Left: 4480.618+/-0.925 χ^2/NDF: 1034019.6/14

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3579.671+/-0.727 χ^2/NDF:2288159.3/22

Out: 3165.675+/-0.643 χ^2/NDF:2937714.6/26

All: 3347.577+/-0.482 χ^2/NDF: 5407804.1/49



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: 3361.276+/-783.734 χ^2/NDF:14.7/6

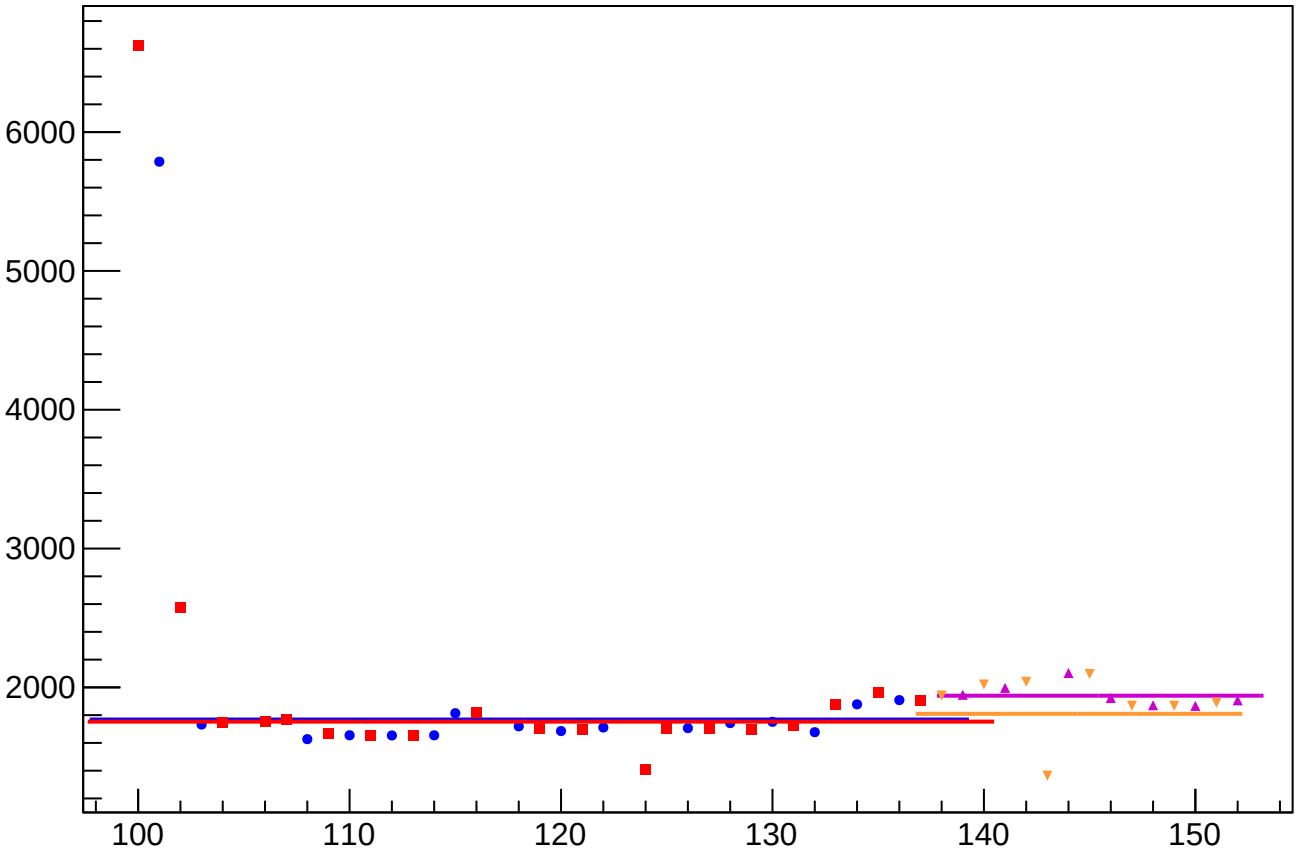
Left: 2088.399+/-535.771 χ^2/NDF: 38.2/14

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2564.921+/-511.058 χ^2/NDF:28.9/22

Out: 1788.534+/-489.845 χ^2/NDF:38.3/26

All: 2160.280+/-353.634 χ^2/NDF: 68.4/49



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: 1940.185+/-0.554 χ^2/NDF:18042.6/6

Left: 1870.555+/-0.379 χ^2/NDF: 295123.1/14

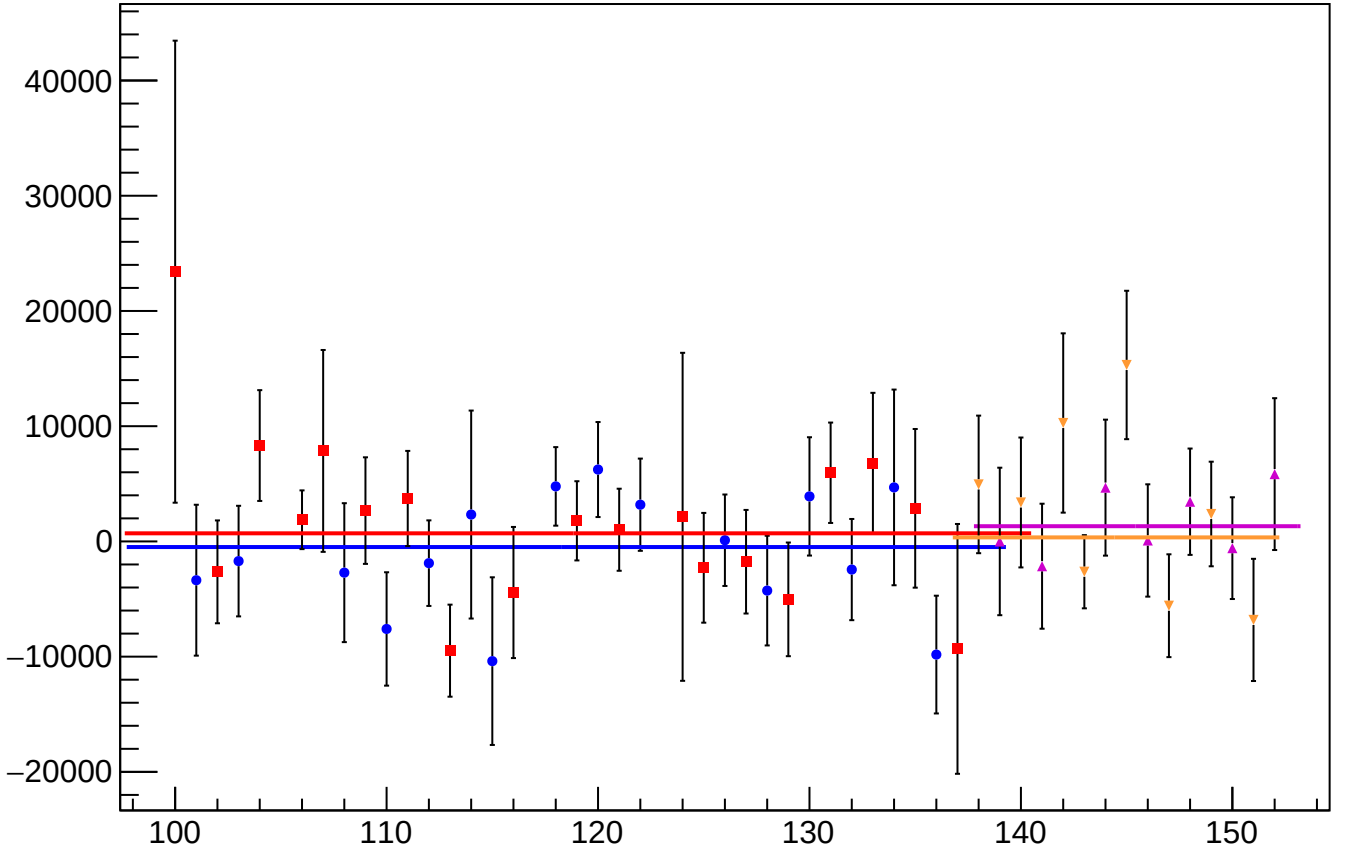
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1841.490+/-0.361 χ^2/NDF:740588.0/22

Out: 1778.281+/-0.346 χ^2/NDF:472800.0/26

All: 1808.500+/-0.250 χ^2/NDF: 1229356.2/49

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: 1320.209+/-1997.897 χ^2/NDF:1.7/6

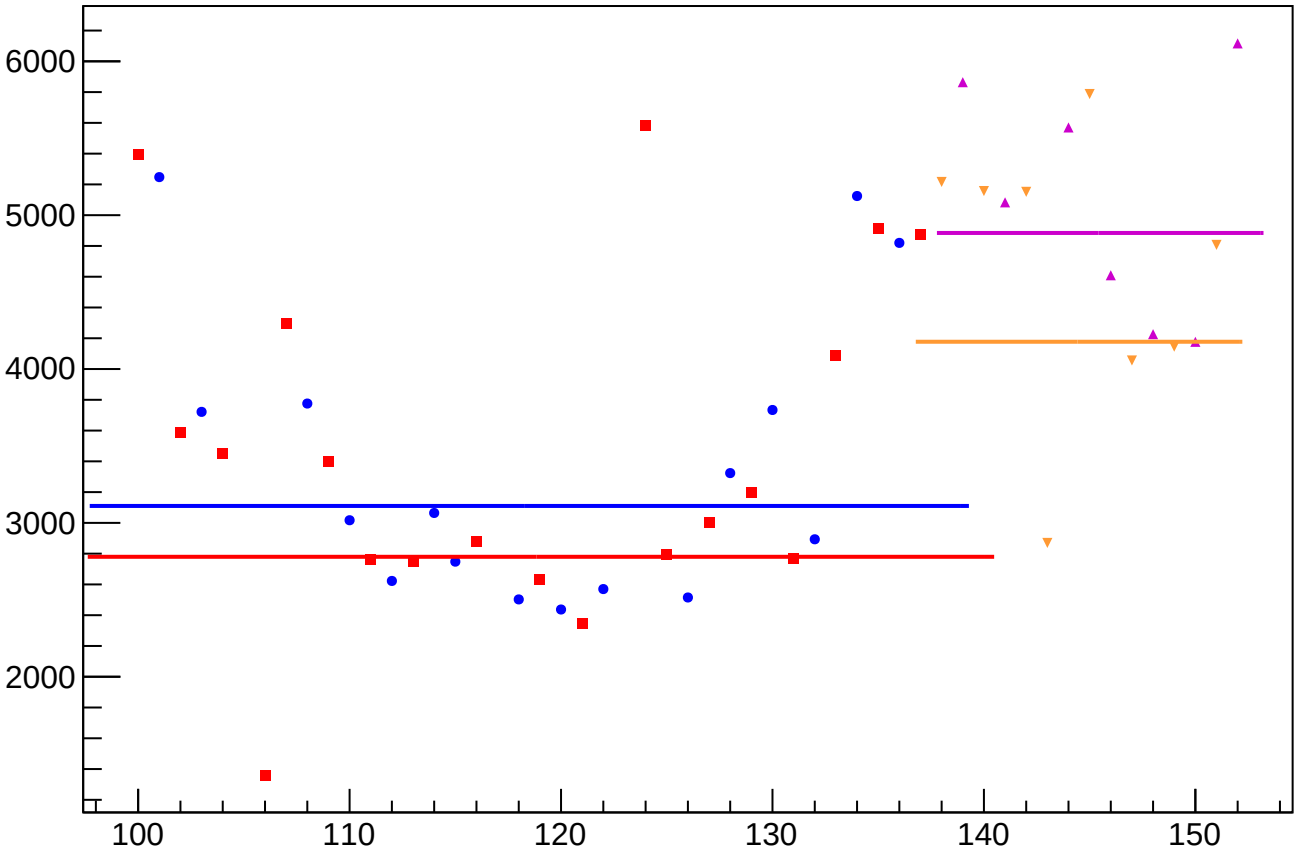
Left: 765.671+/-1308.394 χ^2/NDF: 14.4/14

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -9.567+/-1027.760 χ^2/NDF:18.1/22

Out: 605.533+/-909.867 χ^2/NDF:31.5/26

All: 335.270+/-681.259 χ^2/NDF: 49.7/49



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: 4884.453+/-1.413 χ^2/NDF:244915.9/6

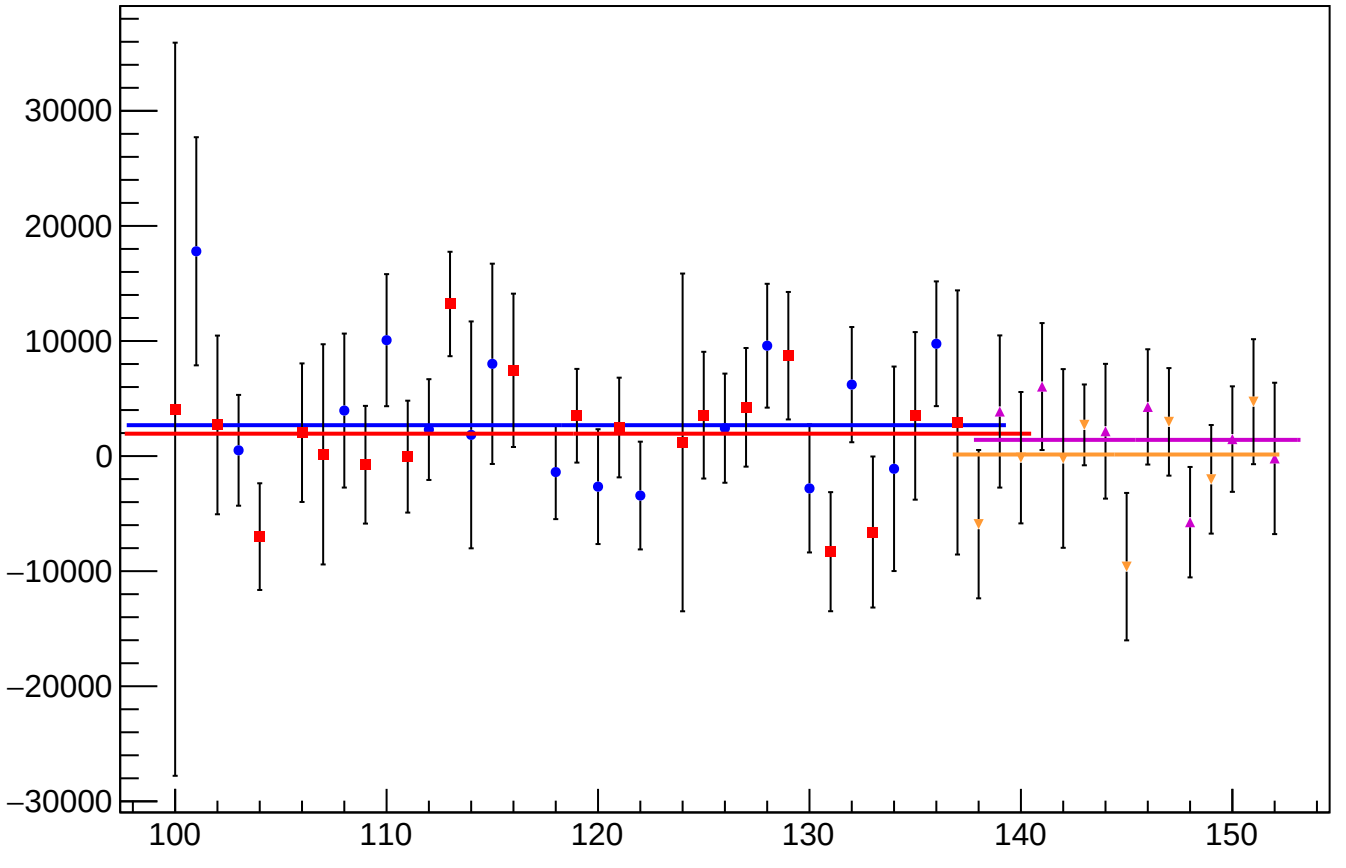
Left: 4480.621+/-0.925 χ^2/NDF: 1034028.0/14

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3579.661+/-0.727 χ^2/NDF:2288193.2/22

Out: 3165.664+/-0.643 χ^2/NDF:2937760.5/26

All: 3347.566+/-0.482 χ^2/NDF: 5407885.8/49



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: 1408.918+/-2046.025 χ^2/NDF:3.5/6

Left: 699.414+/-1360.441 χ^2/NDF: 8.7/14

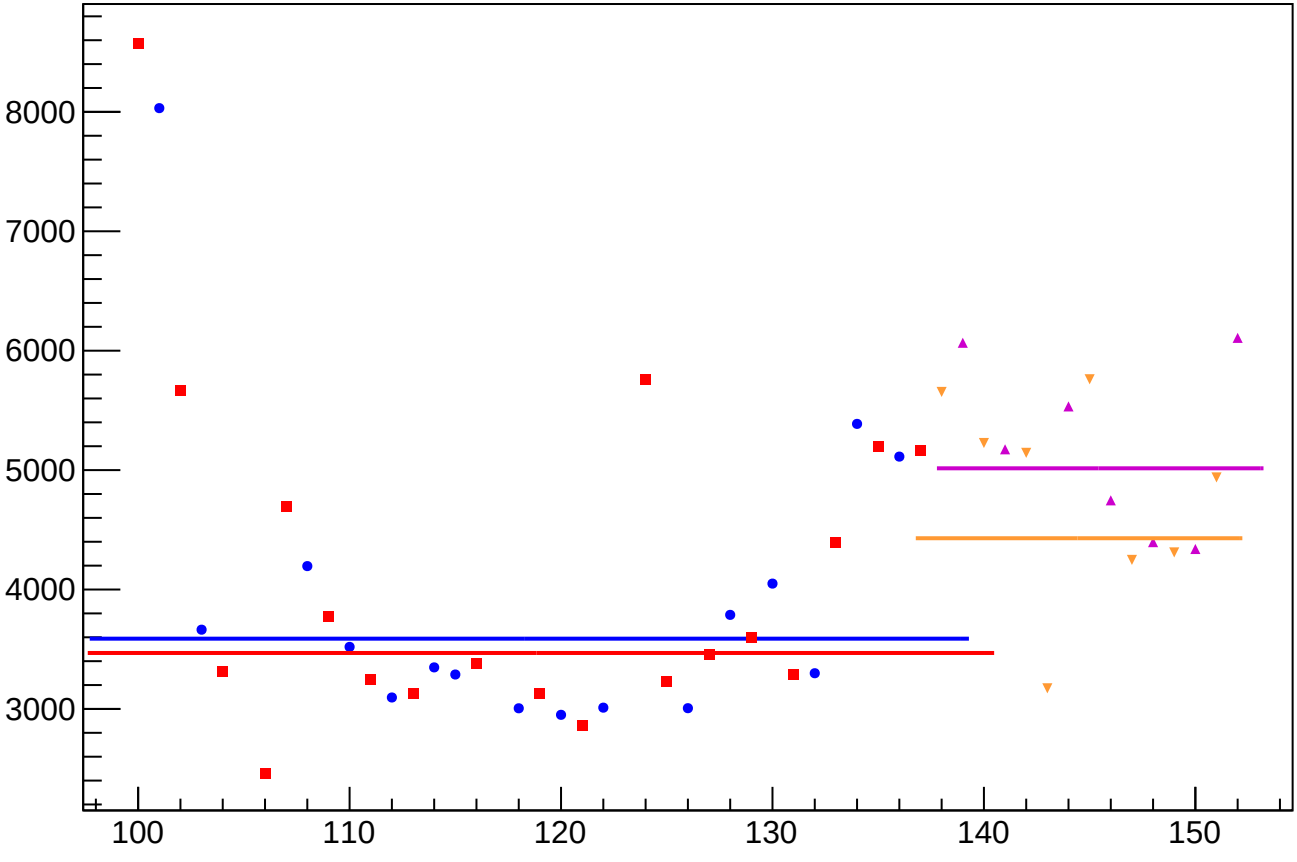
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2286.320+/-1144.035 χ^2/NDF:17.2/22

Out: 1314.890+/-1075.691 χ^2/NDF:24.4/26

All: 1770.724+/-783.676 χ^2/NDF: 41.9/49

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: 5015.031+/-1.447 χ^2/NDF:205470.6/6

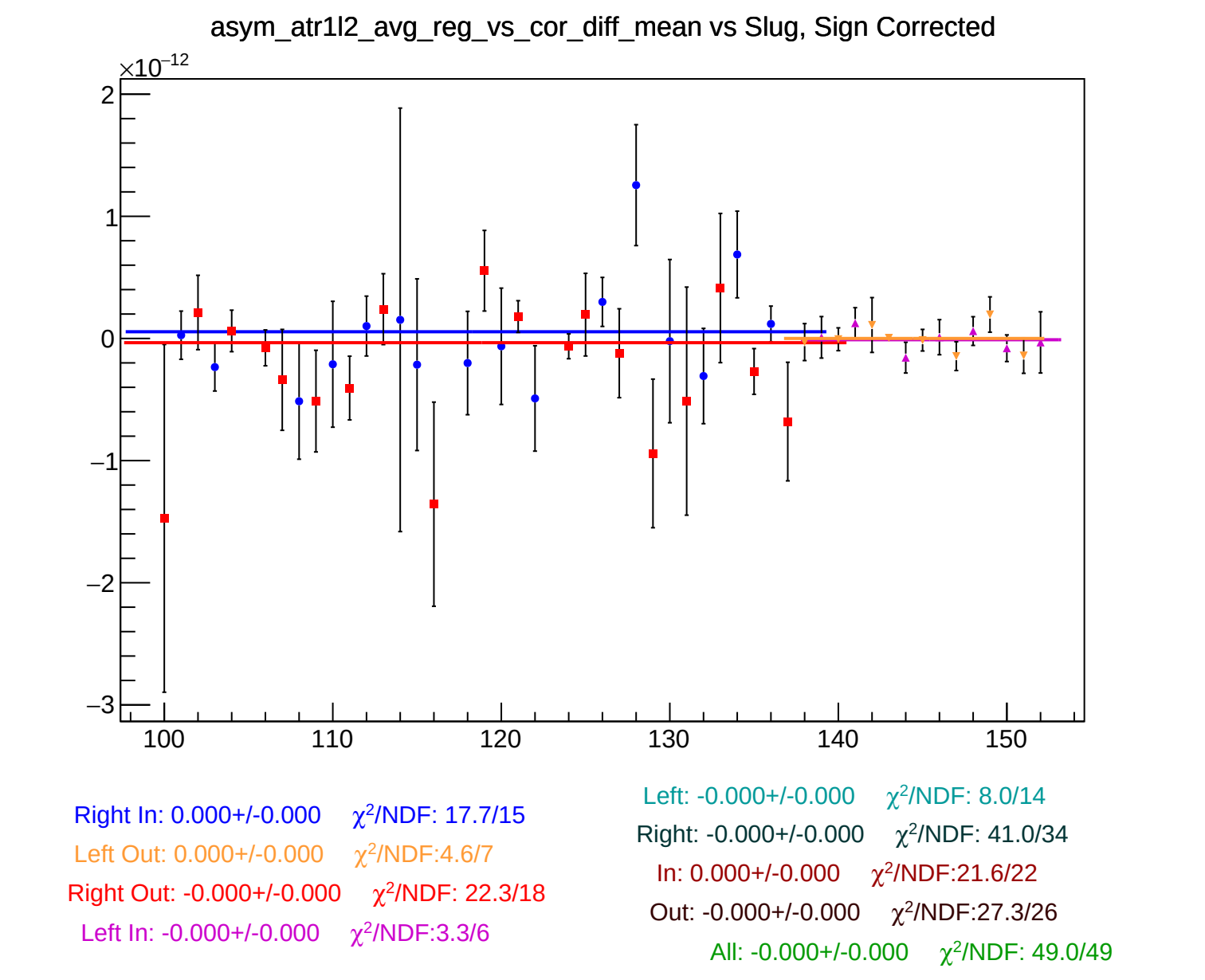
Left: 4688.346+/-0.962 χ^2/NDF: 789515.9/14

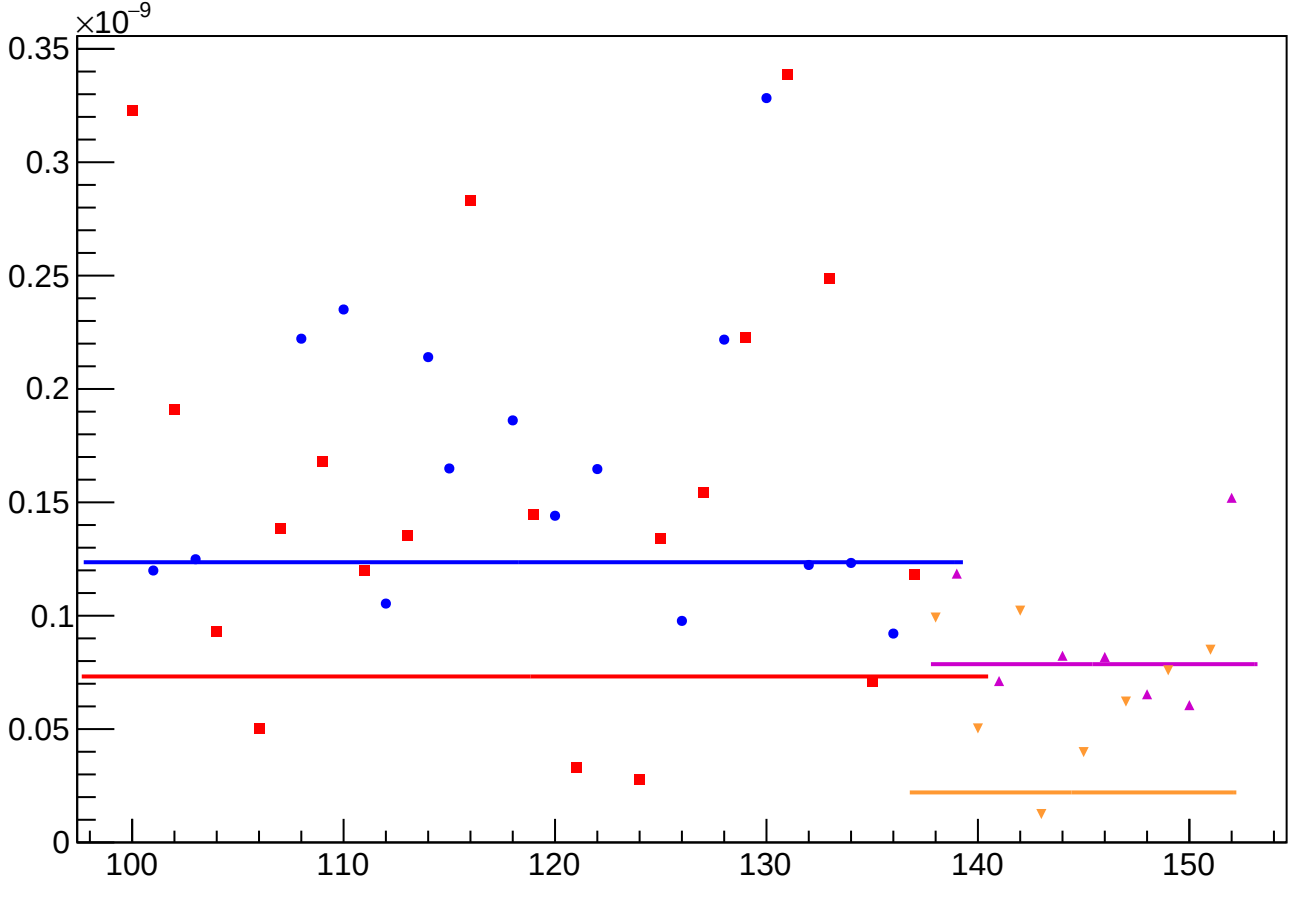
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4034.454+/-0.809 χ^2/NDF:1719020.7/22

Out: 3797.099+/-0.753 χ^2/NDF:1525476.0/26

All: 3907.292+/-0.551 χ^2/NDF: 3290618.7/49


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:3.3/6
Left: -0.000+/-0.000 χ²/NDF: 8.0/14
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:21.6/22
Out: -0.000+/-0.000 χ²/NDF:27.3/26
All: -0.000+/-0.000 χ²/NDF: 49.0/49



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:372192.6/6

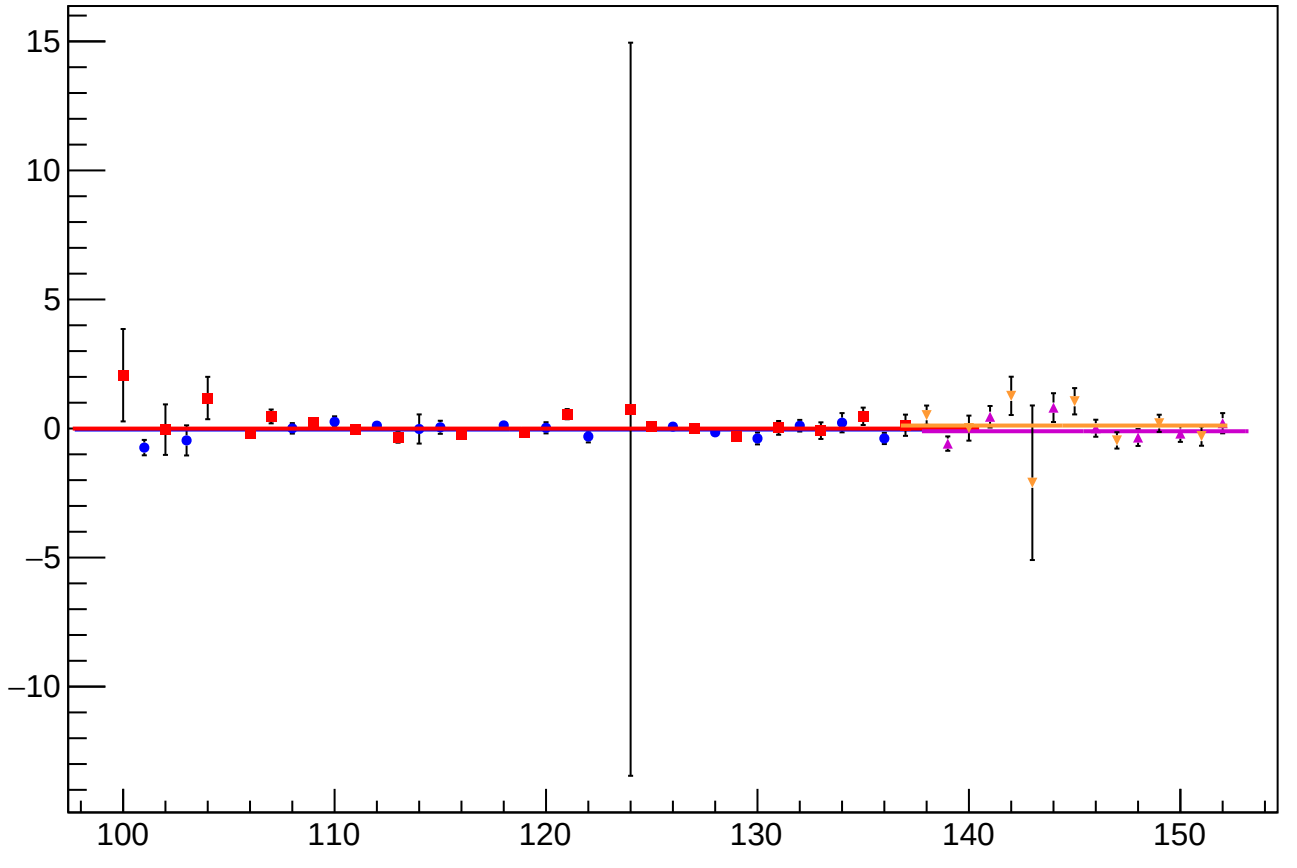
Left: 0.000+/-0.000 χ^2/NDF: 4767744.9/14

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1541249.0/22

Out: 0.000+/-0.000 χ^2/NDF:6086807.3/26

All: 0.000+/-0.000 χ^2/NDF: 11614350.1/49



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: -0.106+/-0.133 χ^2/NDF:8.8/6

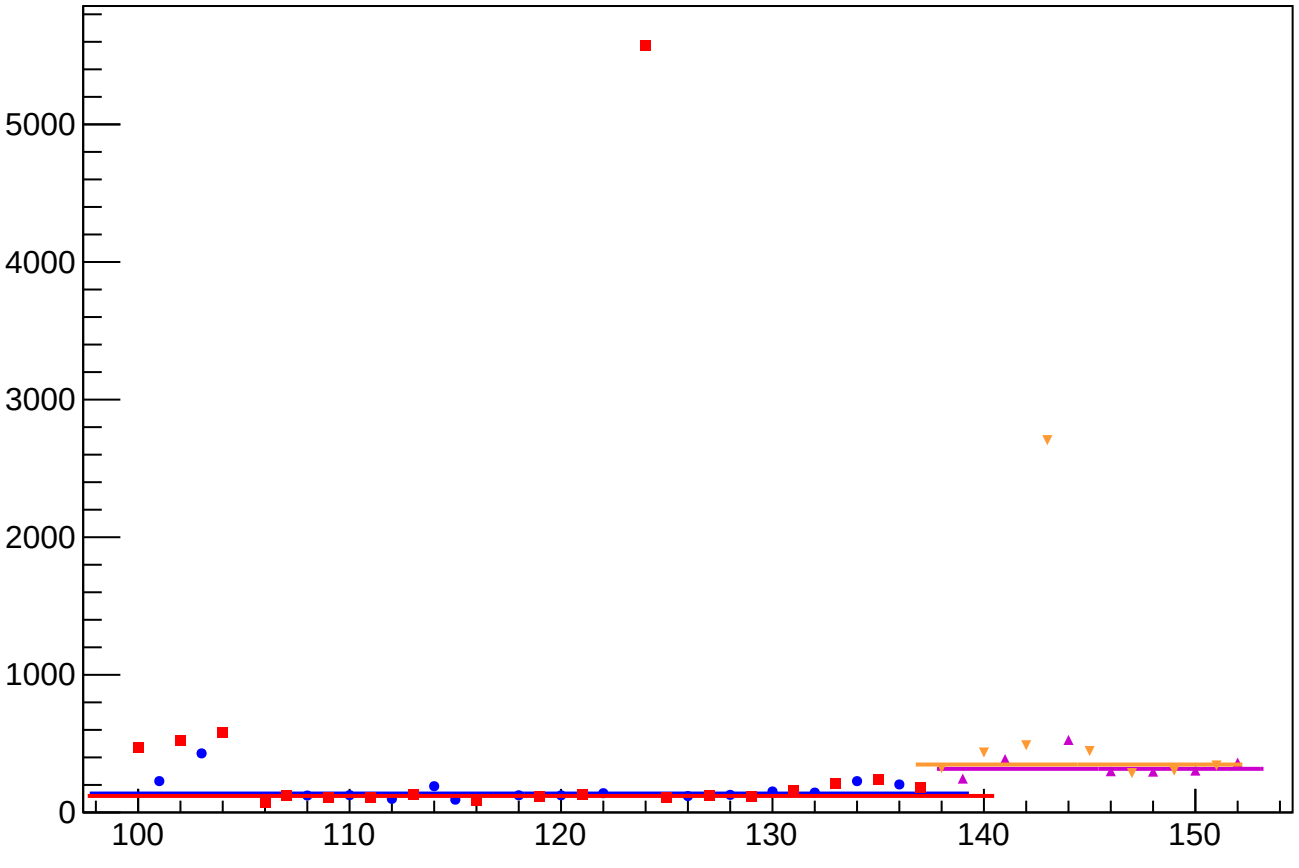
Left: -0.010+/-0.100 χ^2/NDF: 22.2/14

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.051 χ^2/NDF:27.0/22

Out: 0.009+/-0.048 χ^2/NDF:41.4/26

All: -0.018+/-0.035 χ^2/NDF: 69.1/49



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: 317.001+/-0.094 χ^2/NDF:513367.6/6

Left: 330.602+/-0.071 χ^2/NDF: 2134248.4/14

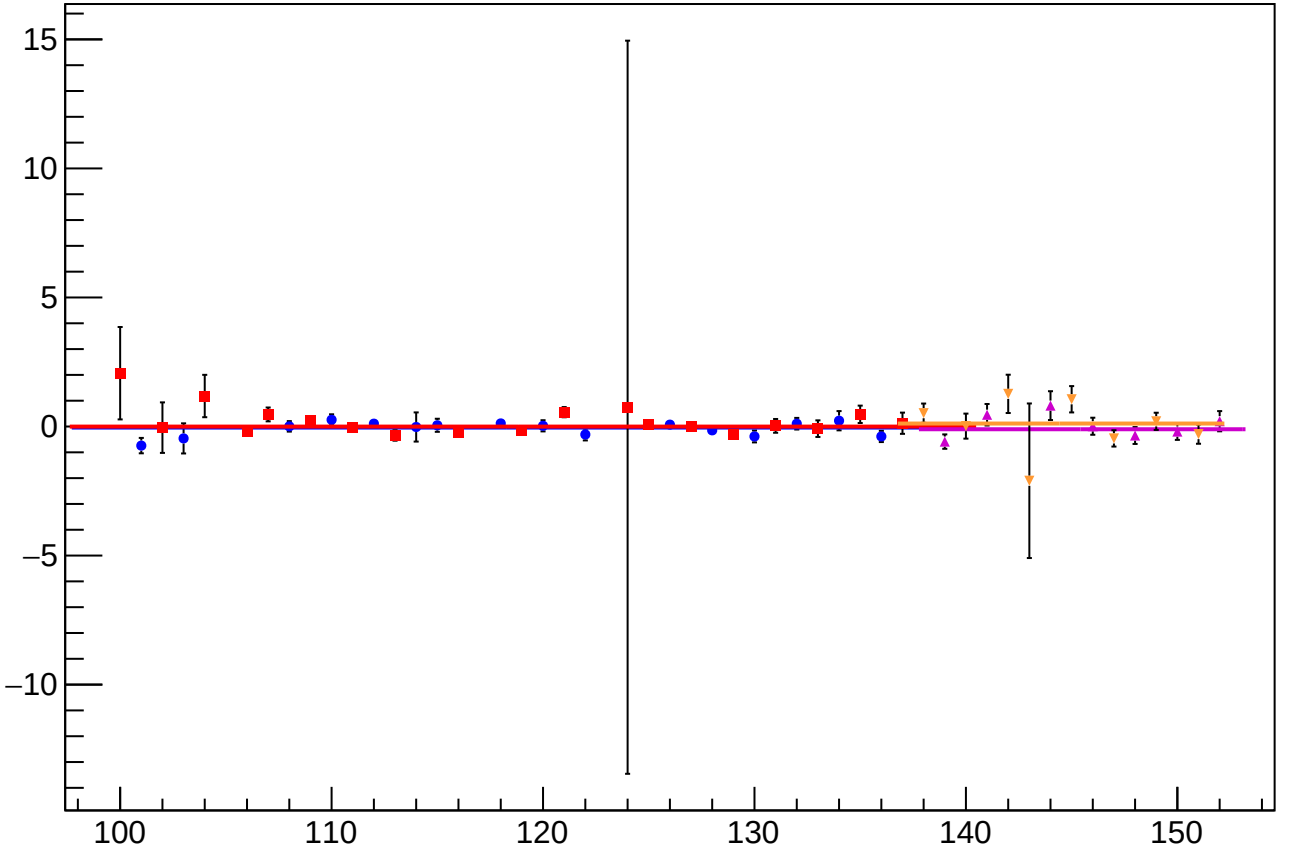
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 164.283+/-0.036 χ^2/NDF:4880799.0/22

Out: 143.081+/-0.034 χ^2/NDF:7775625.2/26

All: 153.005+/-0.025 χ^2/NDF: 12836926.1/49

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: -0.106+/-0.133 χ^2/NDF:8.8/6

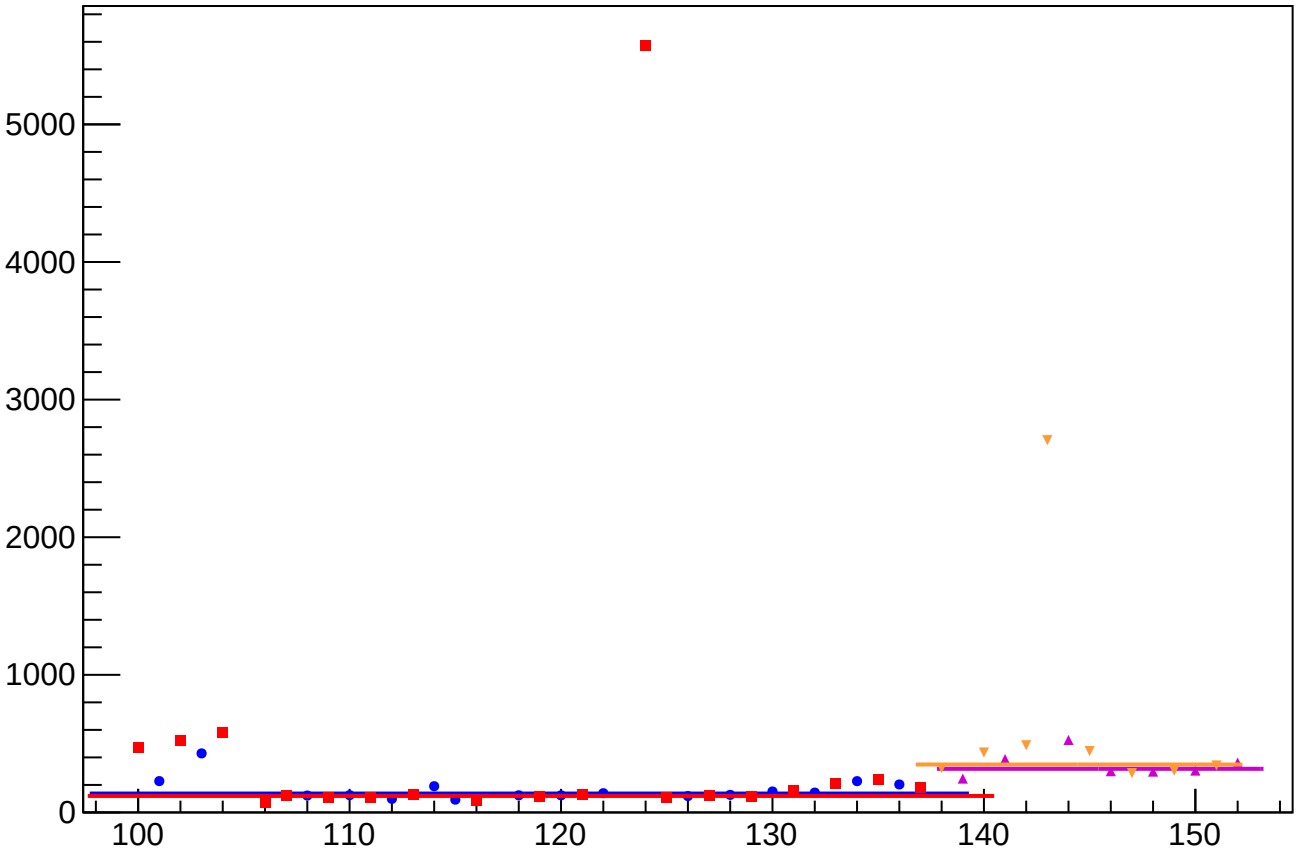
Left: -0.010+/-0.100 χ^2/NDF: 22.2/14

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.051 χ^2/NDF:27.0/22

Out: 0.009+/-0.048 χ^2/NDF:41.4/26

All: -0.018+/-0.035 χ^2/NDF: 69.1/49



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: 317.001+/-0.094 χ^2/NDF:513367.6/6

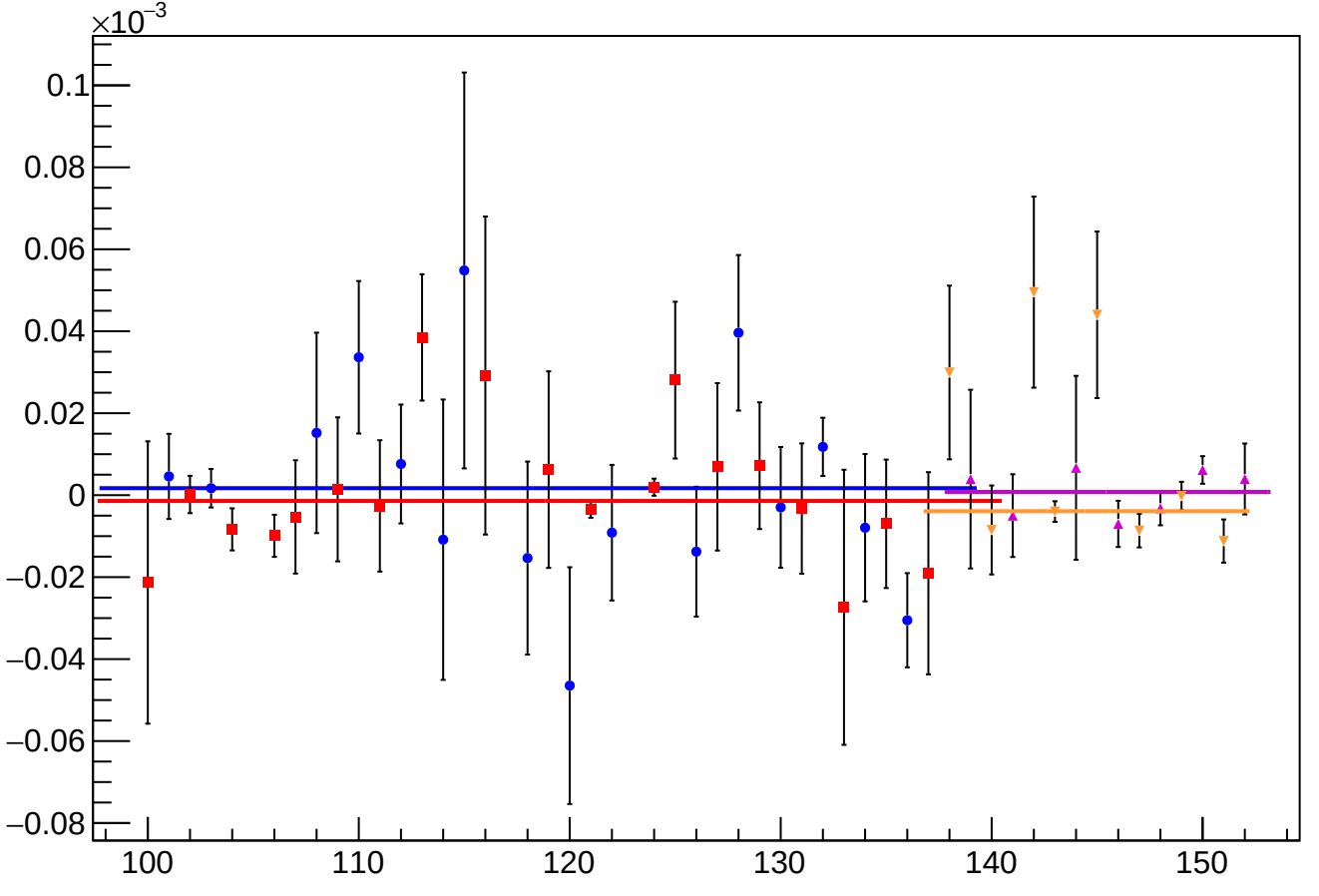
Left: 330.602+/-0.071 χ^2/NDF: 2134248.4/14

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 164.283+/-0.036 χ^2/NDF:4880799.0/22

Out: 143.081+/-0.034 χ^2/NDF:7775625.2/26

All: 153.005+/-0.025 χ^2/NDF: 12836926.1/49



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:5.9/6

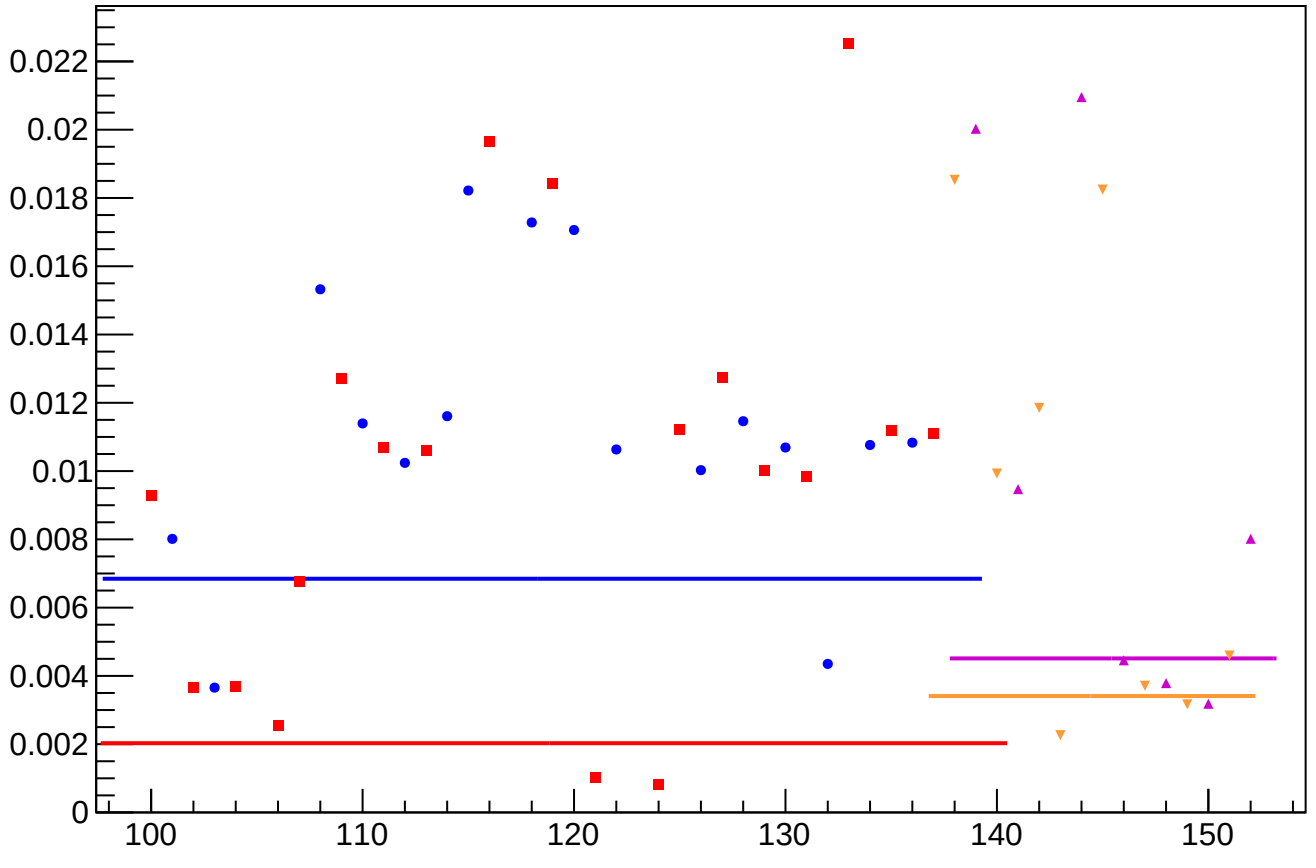
Left: -0.000+/-0.000 χ^2/NDF: 26.7/14

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:29.8/22

Out: -0.000+/-0.000 χ^2/NDF:39.6/26

All: -0.000+/-0.000 χ^2/NDF: 72.2/49



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: 0.005+/-0.000 χ^2/NDF:3271058.7/6

Left: 0.004+/-0.000 χ^2/NDF: 7189565.9/14

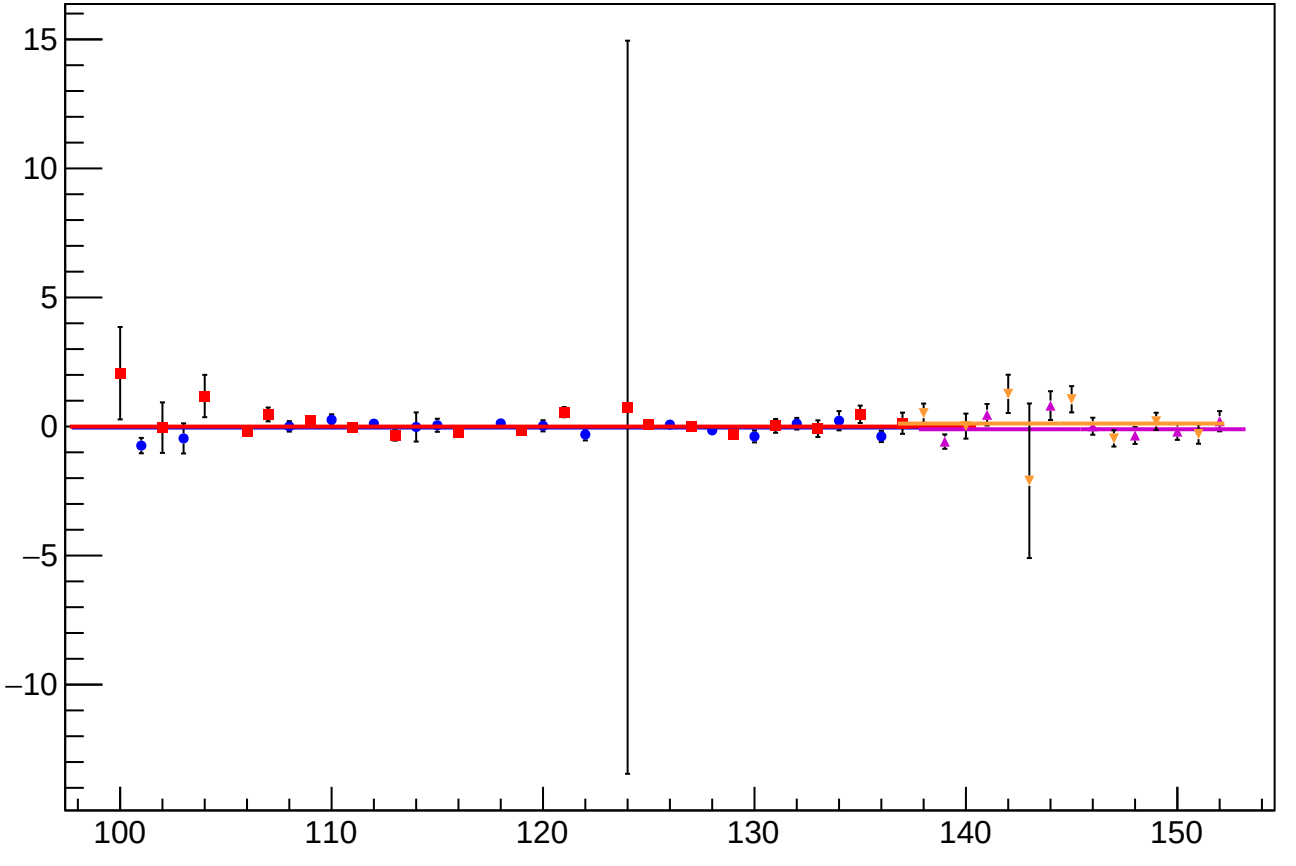
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:7297414.8/22

Out: 0.003+/-0.000 χ^2/NDF:13475134.4/26

All: 0.003+/-0.000 χ^2/NDF: 24606932.2/49

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: -0.106+/-0.133 χ^2/NDF:8.8/6

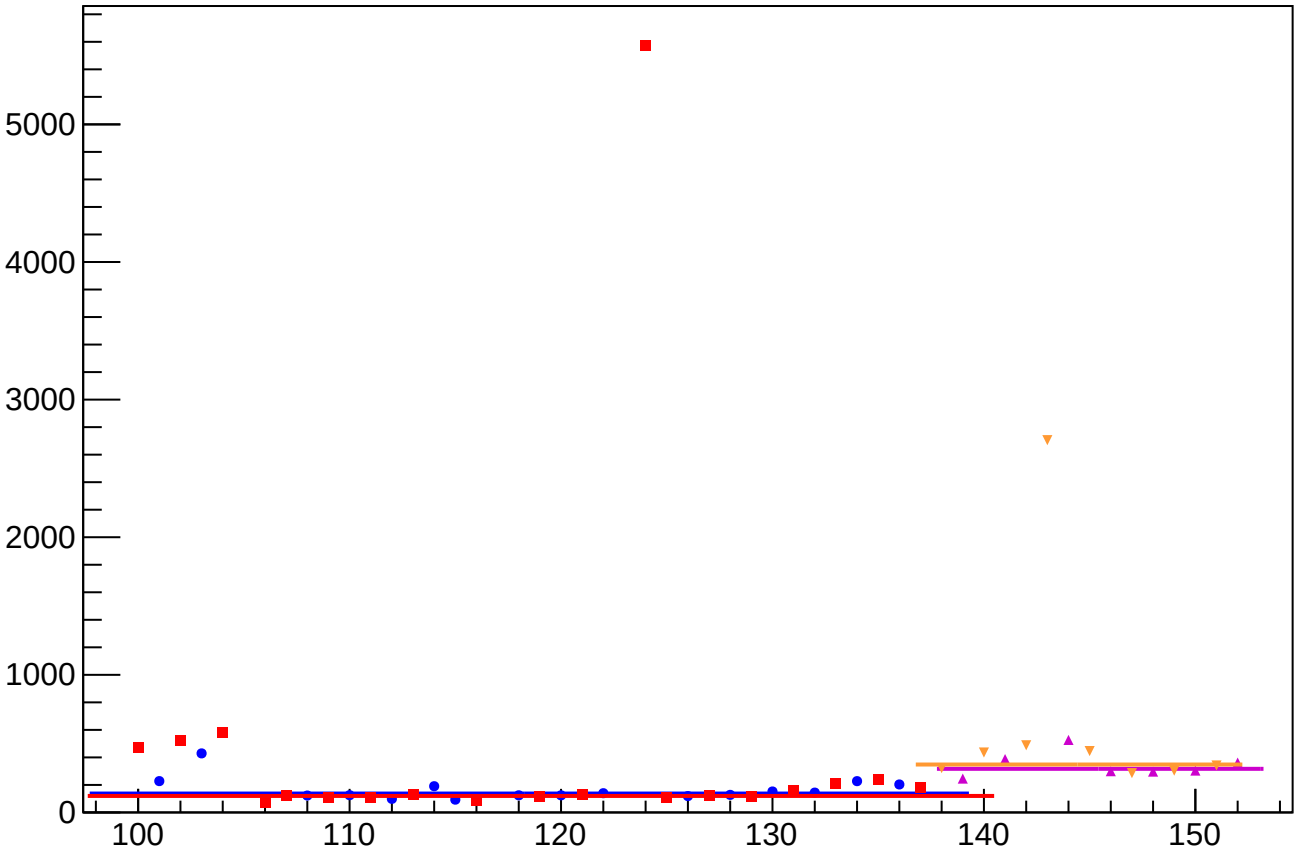
Left: -0.010+/-0.100 χ^2/NDF: 22.2/14

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.051 χ^2/NDF:27.0/22

Out: 0.009+/-0.048 χ^2/NDF:41.4/26

All: -0.018+/-0.035 χ^2/NDF: 69.1/49



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: 317.005+/-0.094 χ^2/NDF:513357.6/6

Left: 330.606+/-0.071 χ^2/NDF: 2134258.5/14

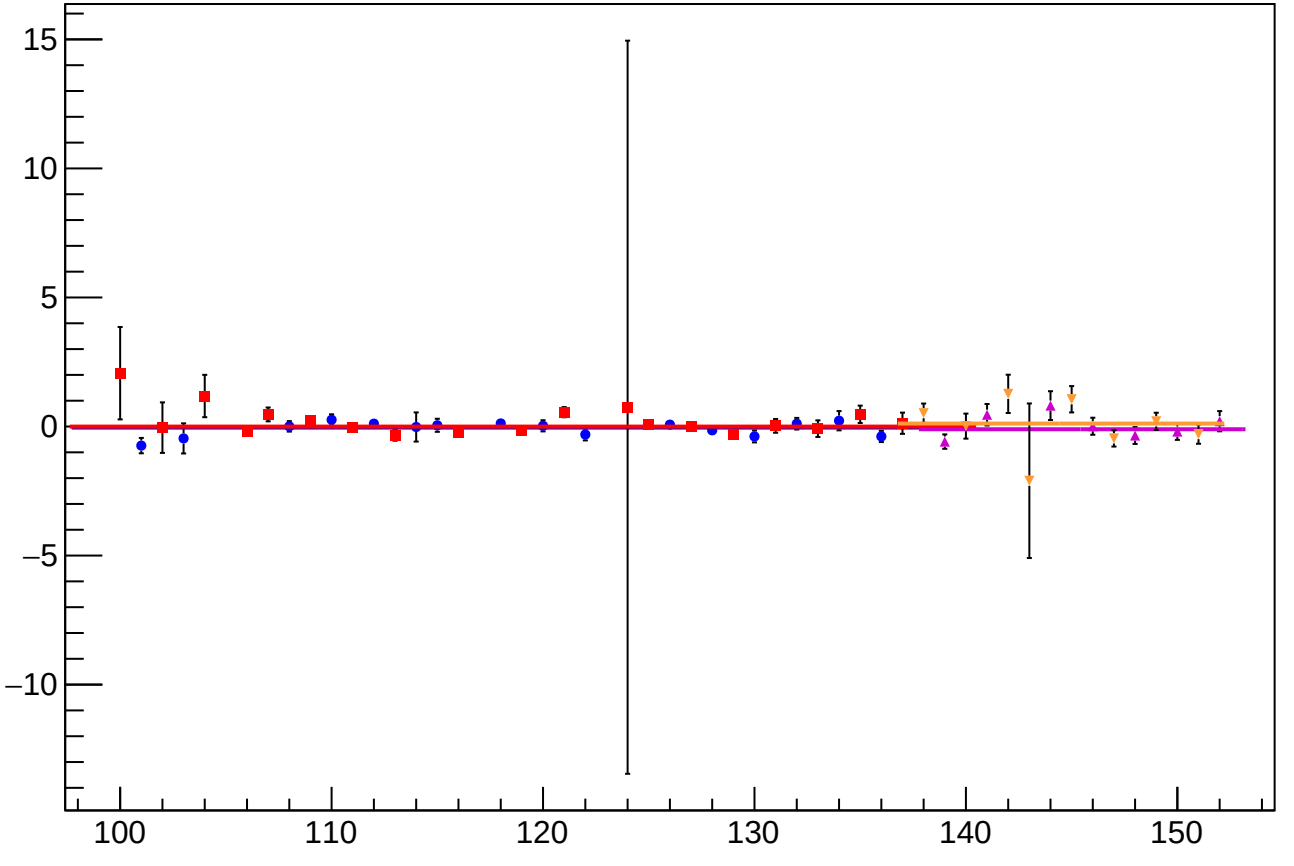
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 164.285+/-0.036 χ^2/NDF:4880766.9/22

Out: 143.081+/-0.034 χ^2/NDF:7775601.8/26

All: 153.006+/-0.025 χ^2/NDF: 12836889.2/49

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.115+/-0.152 χ^2/NDF:12.1/7

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.106+/-0.133 χ^2/NDF:8.8/6

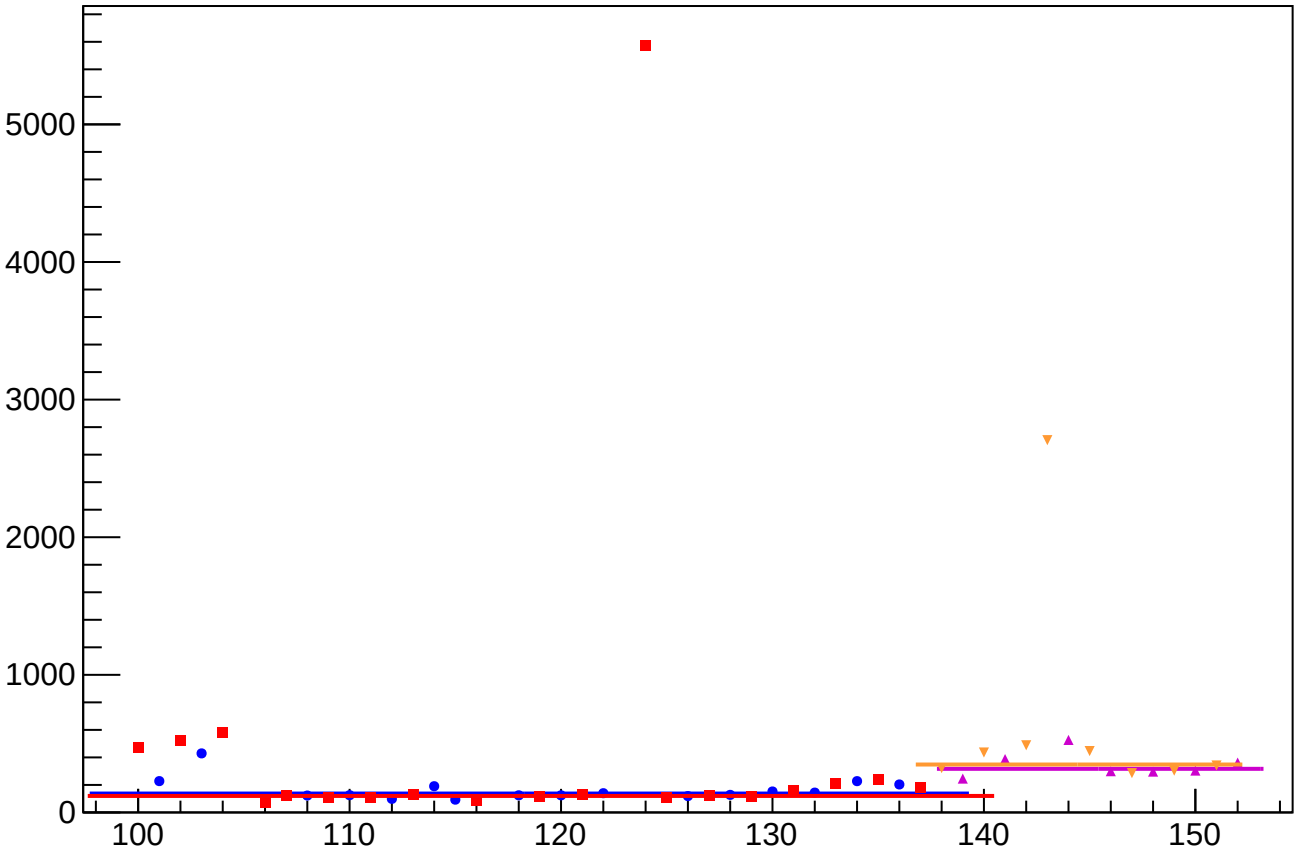
Left: -0.010+/-0.100 χ^2/NDF: 22.2/14

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.051 χ^2/NDF:27.0/22

Out: 0.009+/-0.048 χ^2/NDF:41.4/26

All: -0.018+/-0.035 χ^2/NDF: 69.1/49



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: 317.005+/-0.094 χ^2/NDF:513357.6/6

Left: 330.606+/-0.071 χ^2/NDF: 2134258.5/14

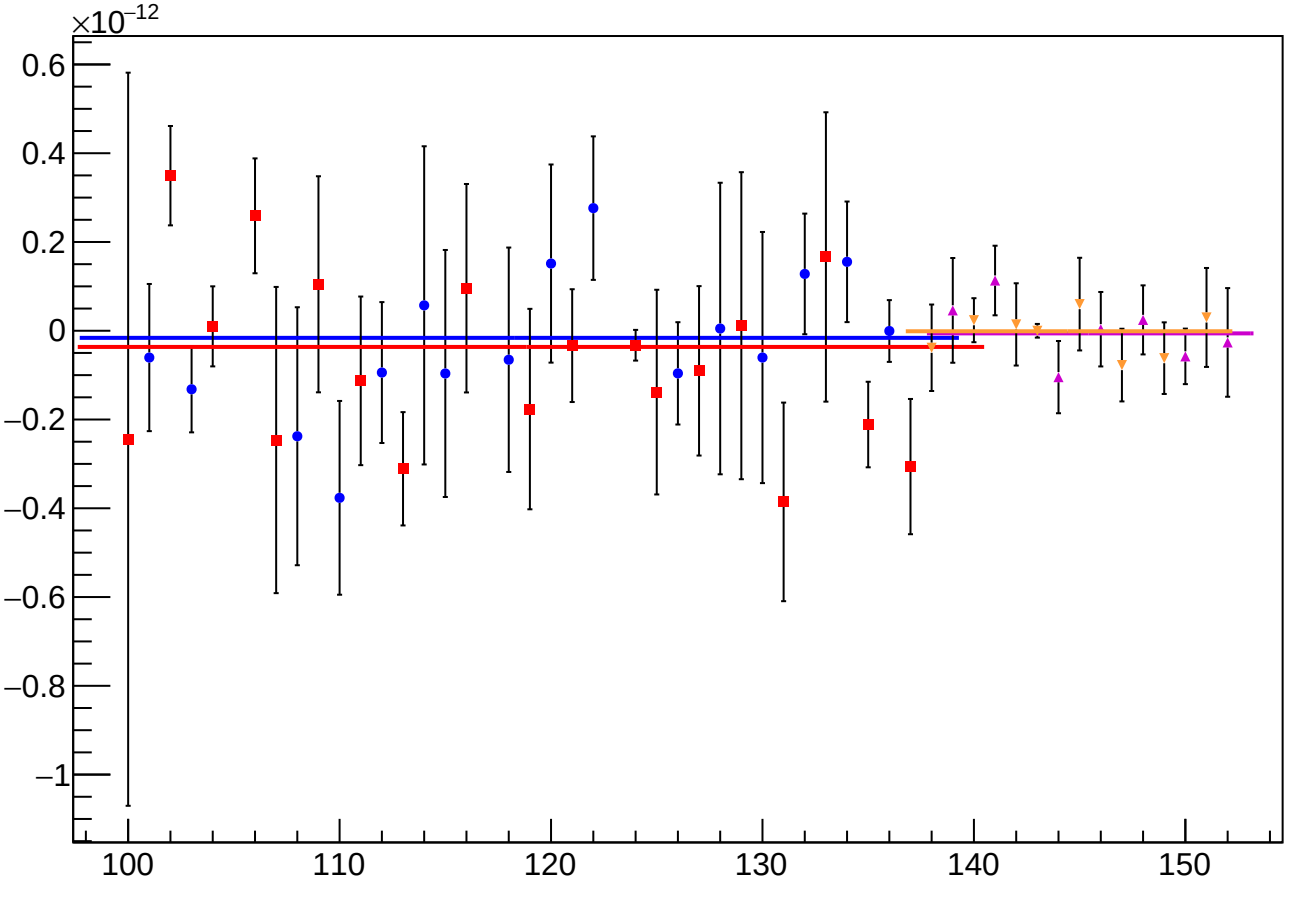
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 164.285+/-0.036 χ^2/NDF:4880766.9/22

Out: 143.081+/-0.034 χ^2/NDF:7775601.8/26

All: 153.006+/-0.025 χ^2/NDF: 12836889.2/49

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/7

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/6

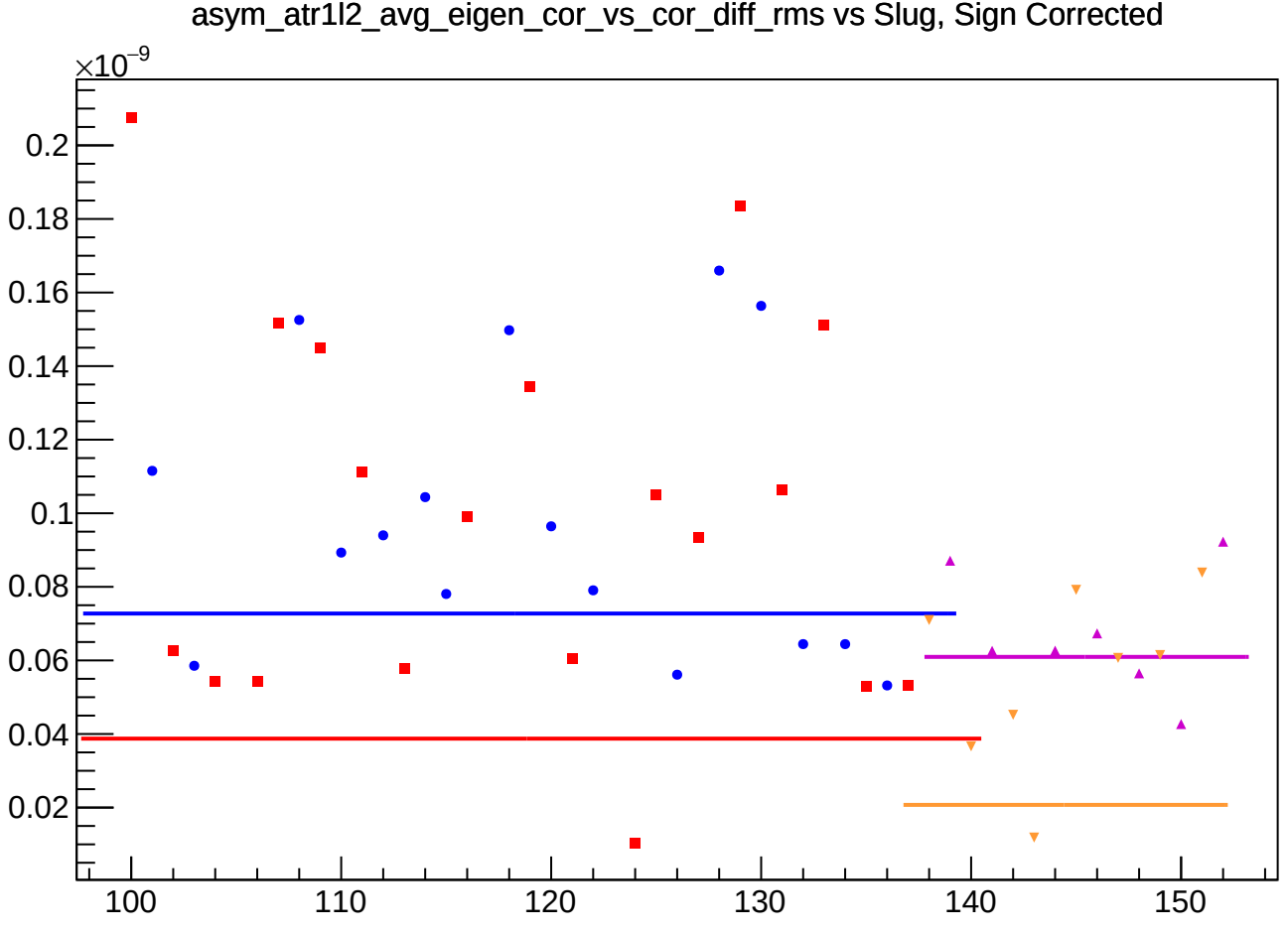
Left: -0.000+/-0.000 χ^2/NDF: 7.1/14

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

In: -0.000+/-0.000 χ^2/NDF:17.2/22

Out: -0.000+/-0.000 χ^2/NDF:36.9/26

All: -0.000+/-0.000 χ^2/NDF: 54.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3794509.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:419395.2/6

Left: 0.000+/-0.000 χ^2/NDF: 6970706.7/14

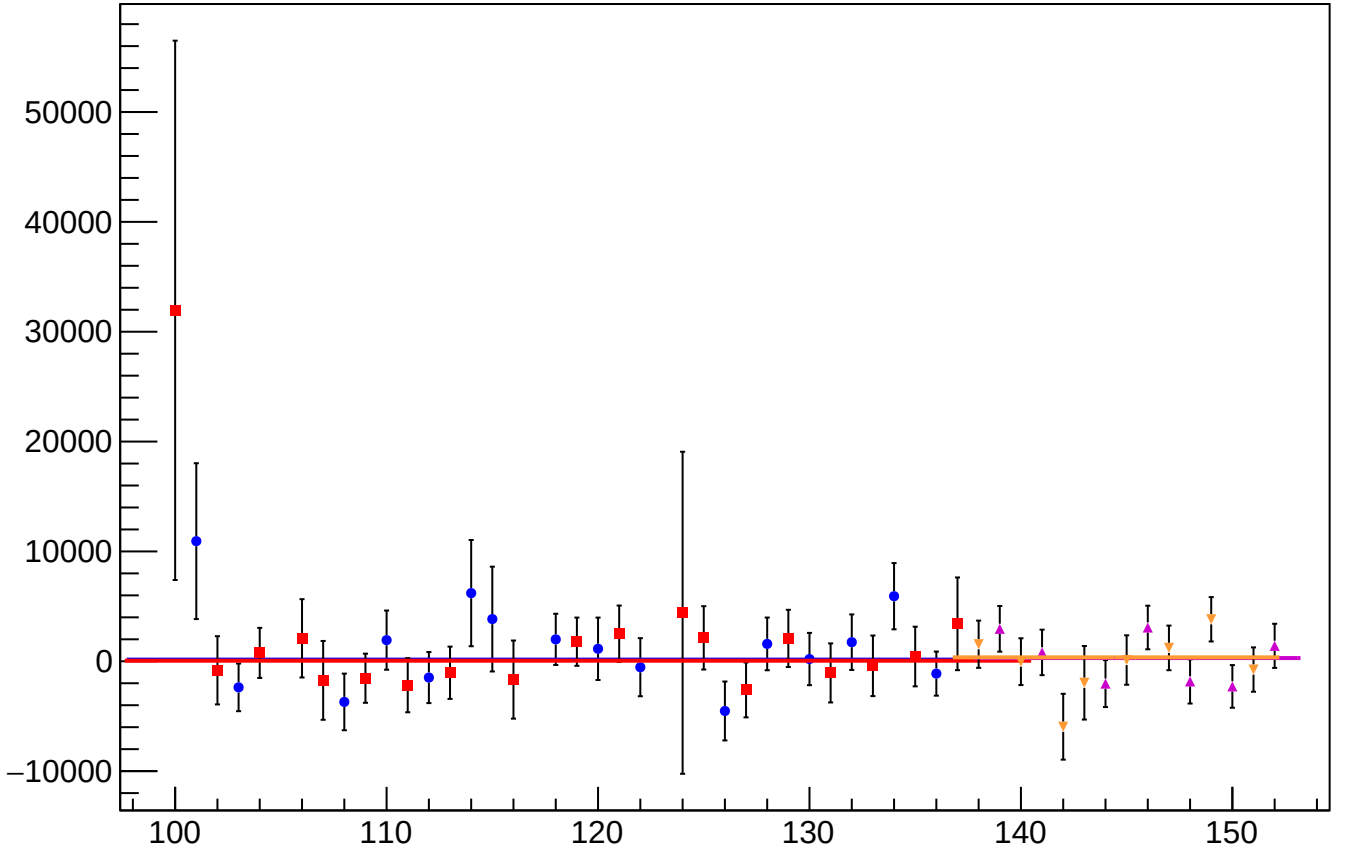
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:1664546.1/22

Out: 0.000+/-0.000 χ^2/NDF:8837497.3/26

All: 0.000+/-0.000 χ^2/NDF: 15170627.3/49

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: 292.677+/-767.507 χ^2/NDF:8.0/6

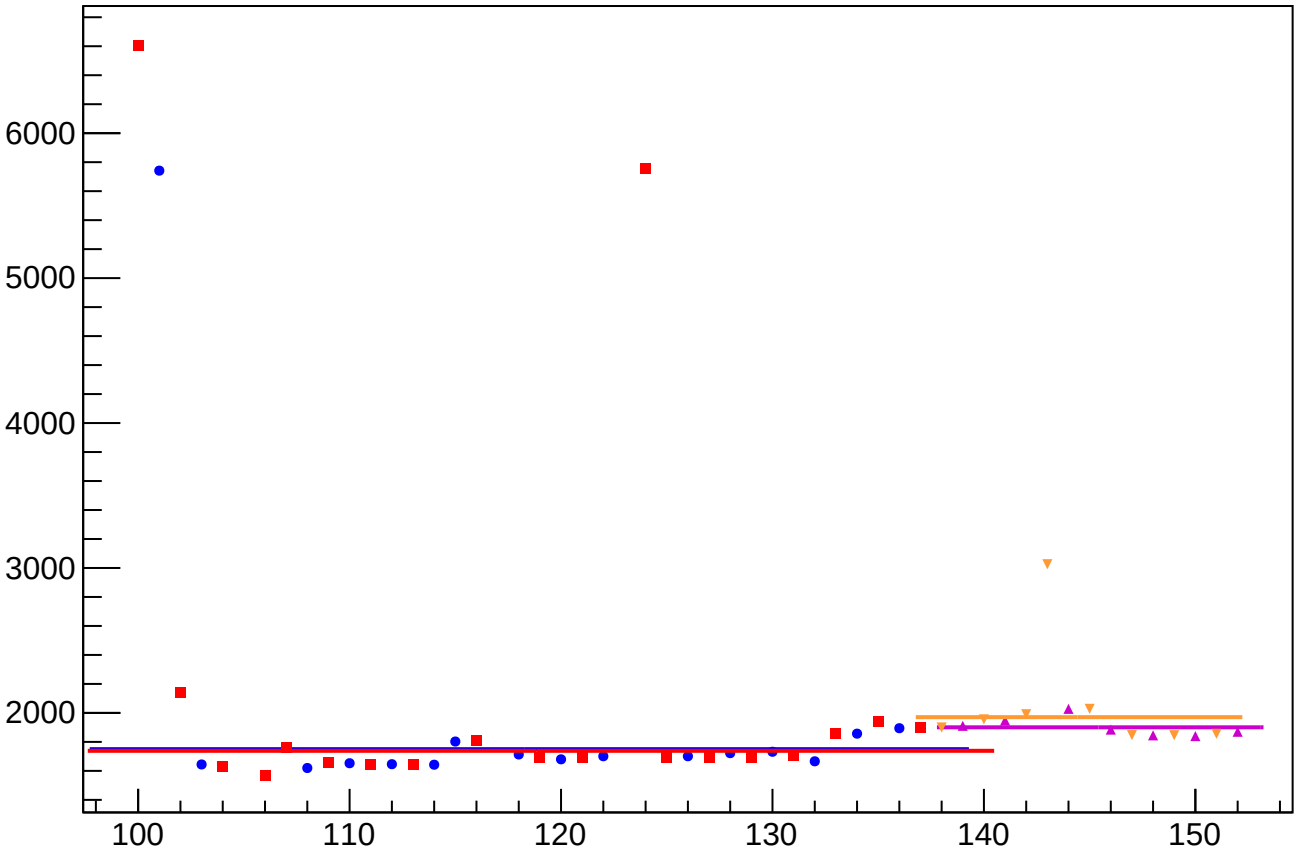
Left: 323.561+/-553.360 χ^2/NDF: 16.7/14

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 211.805+/-503.463 χ^2/NDF:25.7/22

Out: 175.985+/-506.556 χ^2/NDF:17.7/26

All: 194.005+/-357.091 χ^2/NDF: 43.5/49



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: 1900.634+/-0.543 χ^2/NDF:12218.7/6

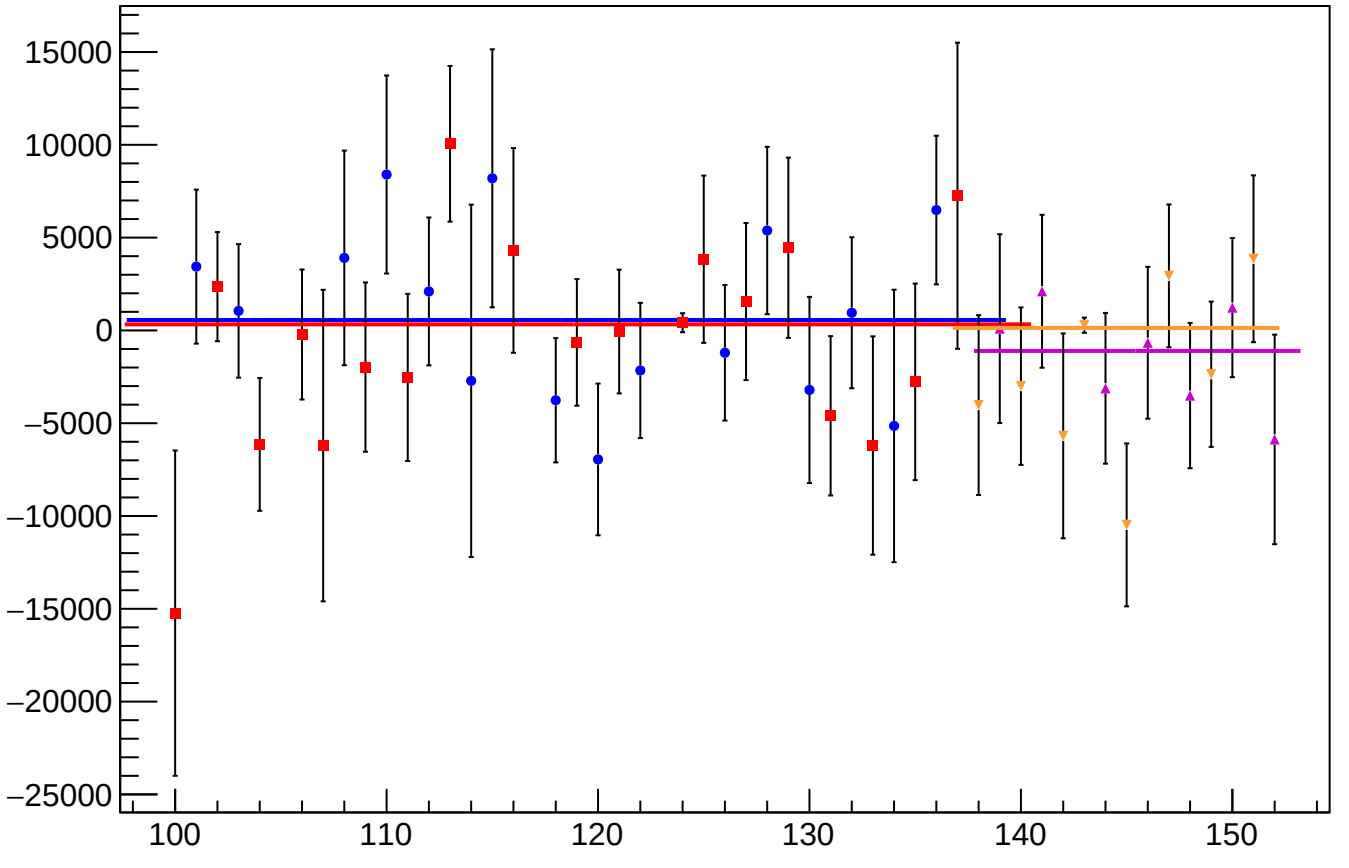
Left: 1934.240+/-0.391 χ^2/NDF: 243964.0/14

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1814.741+/-0.356 χ^2/NDF:725763.2/22

Out: 1831.077+/-0.357 χ^2/NDF:629842.6/26

All: 1822.895+/-0.252 χ^2/NDF: 1356656.8/49



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: -1107.049+/-1610.119 χ^2/NDF:2.4/6

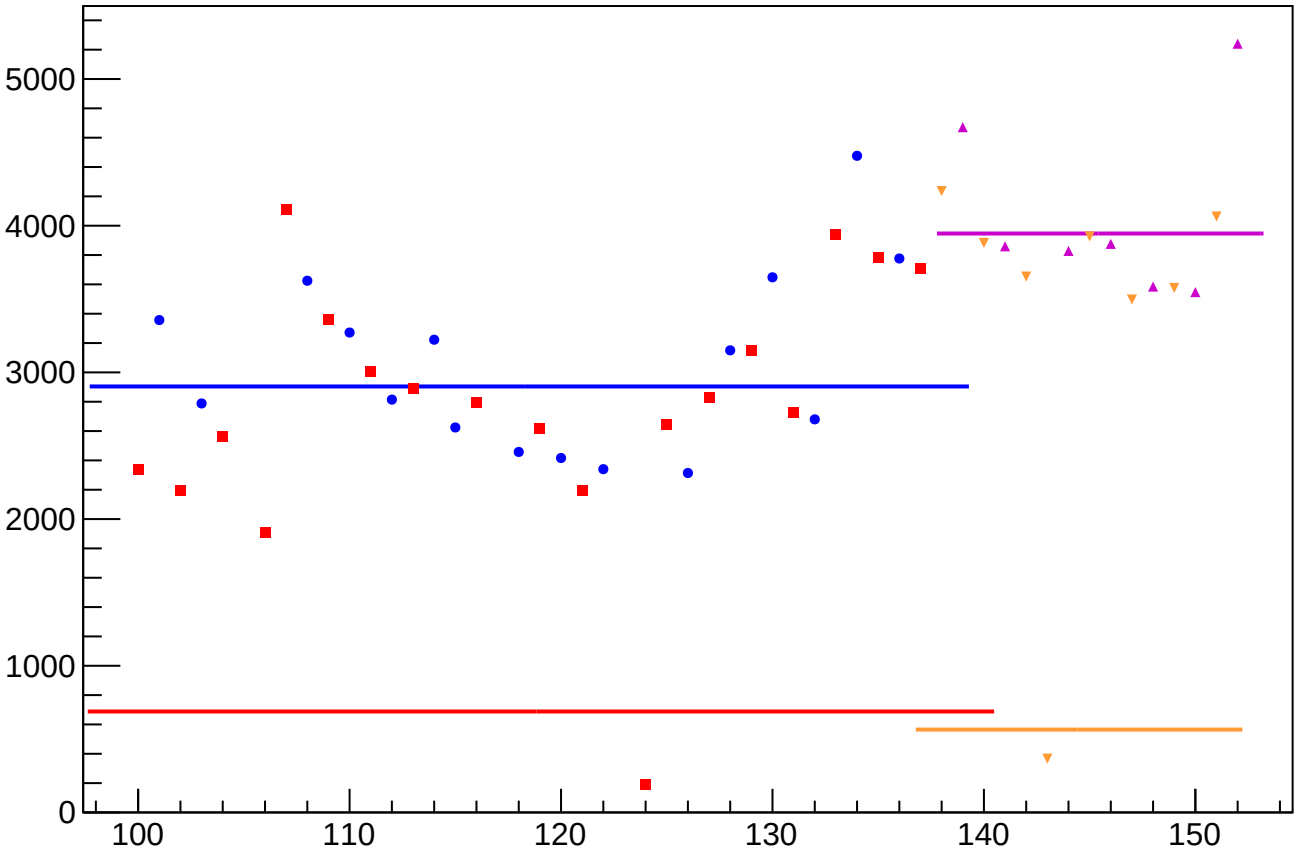
Left: 62.359+/-385.584 χ^2/NDF: 13.0/14

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 30.353+/-908.929 χ^2/NDF:17.9/22

Out: 215.945+/-300.033 χ^2/NDF:29.3/26

All: 197.709+/-284.911 χ^2/NDF: 47.3/49



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: 3946.748+/-1.139 χ^2/NDF:188637.8/6

Left: 758.903+/-0.273 χ^2/NDF: 16701001.5/14

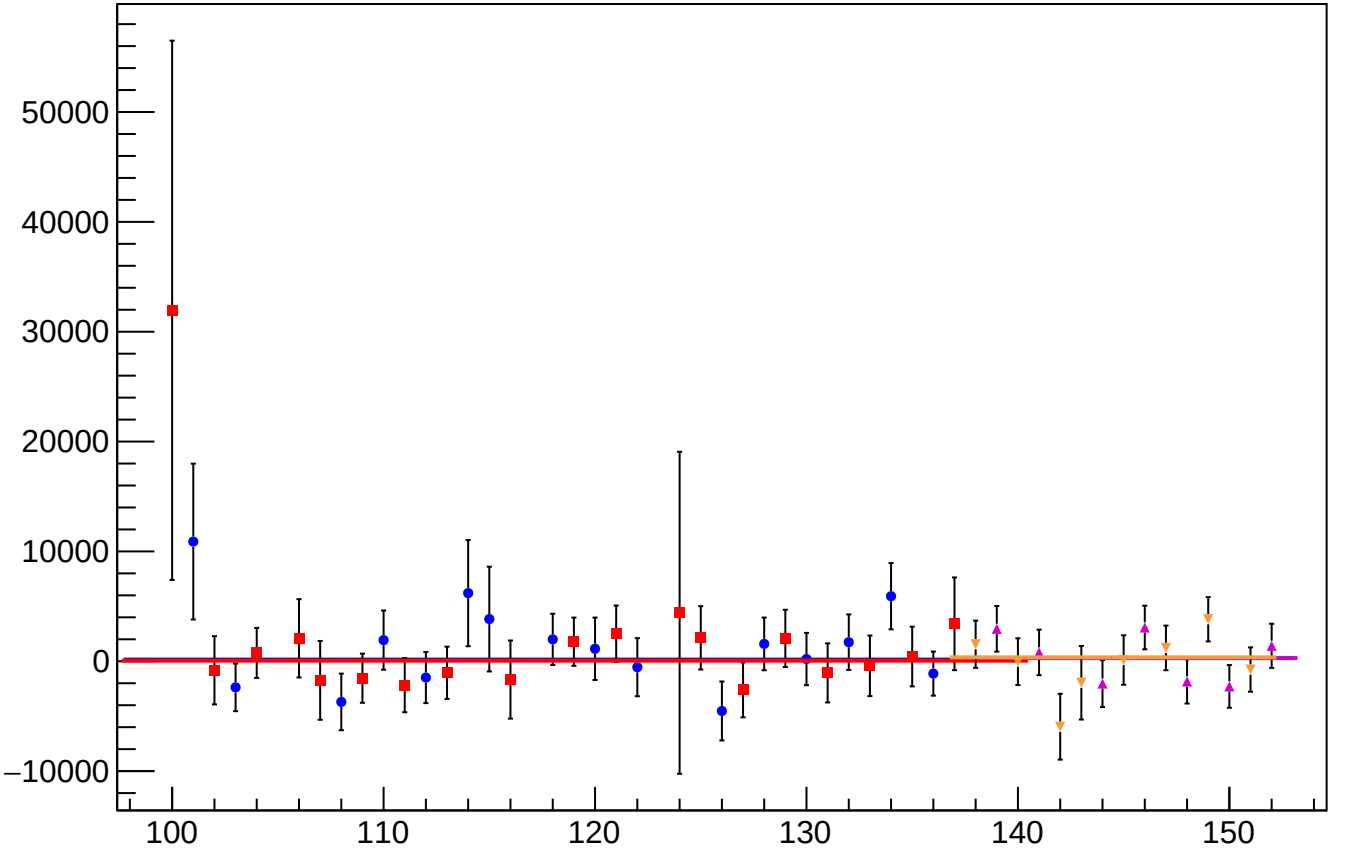
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3236.335+/-0.643 χ^2/NDF:1239864.6/22

Out: 617.913+/-0.212 χ^2/NDF:18427284.4/26

All: 875.189+/-0.201 χ^2/NDF: 34634087.6/49

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: 292.710+/-767.507 χ^2/NDF:8.0/6

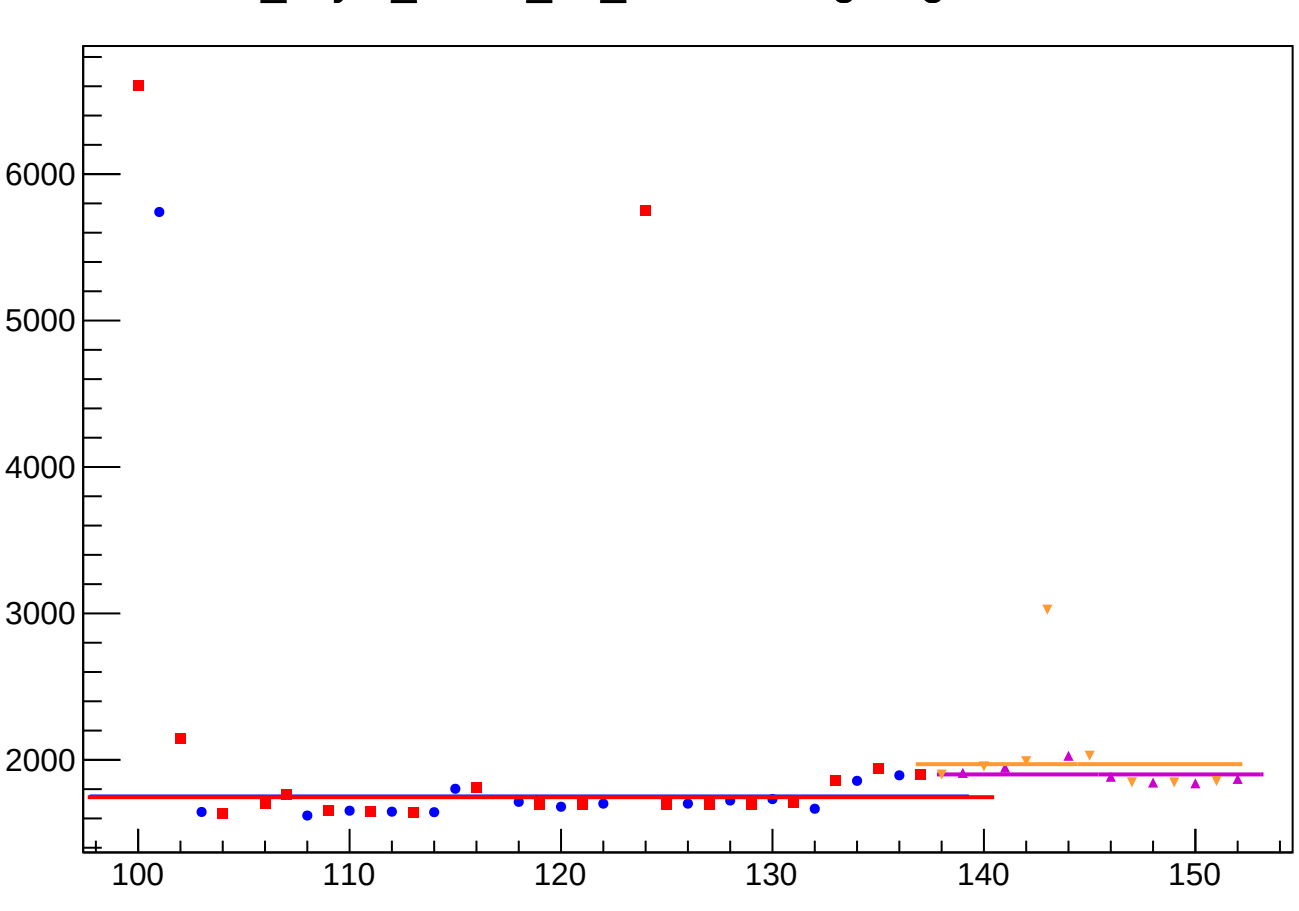
Left: 323.571+/-553.360 χ^2/NDF: 16.7/14

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 211.553+/-503.463 χ^2/NDF:25.7/22

Out: 176.009+/-506.556 χ^2/NDF:17.7/26

All: 193.890+/-357.091 χ^2/NDF: 43.5/49



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: 1900.634+/-0.543 χ^2/NDF:12218.7/6

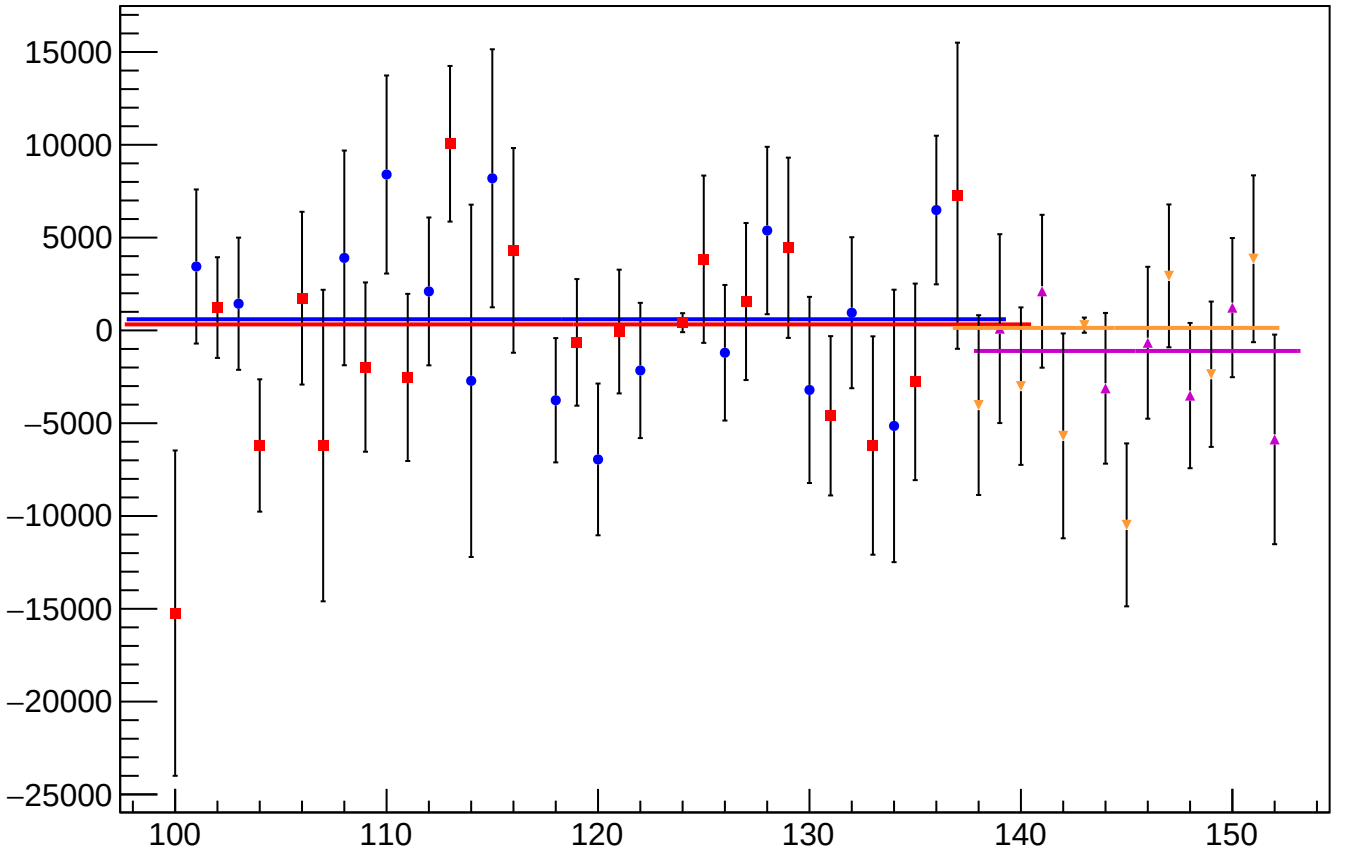
Left: 1934.240+/-0.391 χ^2/NDF: 243964.0/14

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1814.741+/-0.356 χ^2/NDF:725763.6/22

Out: 1835.493+/-0.357 χ^2/NDF:617276.1/26

All: 1825.077+/-0.252 χ^2/NDF: 1344732.1/49



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: -1107.114+/-1610.114 χ^2/NDF:2.4/6

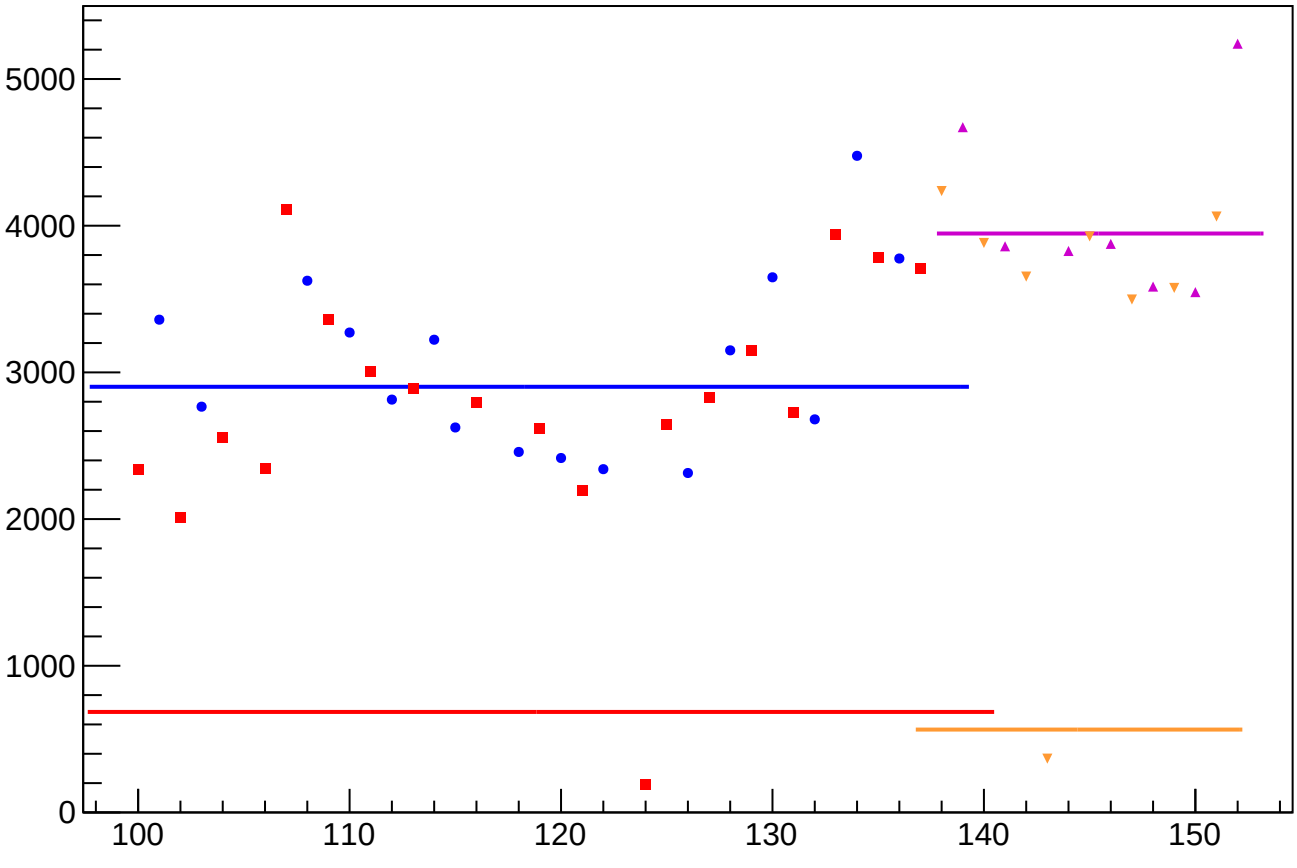
Left: 63.250+/-385.614 χ^2/NDF: 13.0/14

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 56.825+/-908.344 χ^2/NDF:18.0/22

Out: 215.286+/-300.304 χ^2/NDF:29.1/26

All: 199.672+/-285.125 χ^2/NDF: 47.2/49



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: 3946.737+/-1.139 χ^2/NDF:188639.4/6

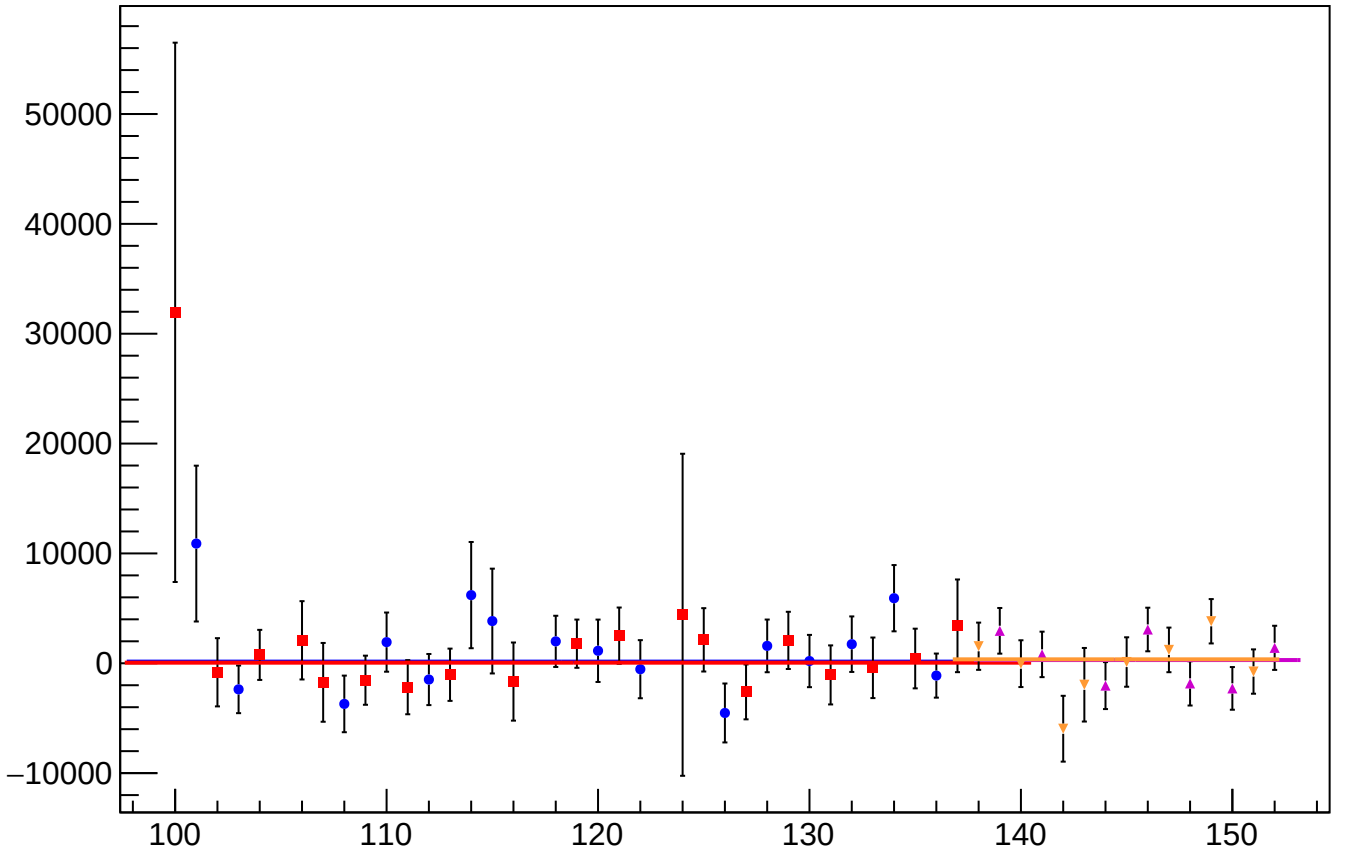
Left: 759.001+/-0.273 χ^2/NDF: 16700289.7/14

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3234.407+/-0.642 χ^2/NDF:1243771.8/22

Out: 616.527+/-0.212 χ^2/NDF:18379559.1/26

All: 874.468+/-0.202 χ^2/NDF: 34598782.2/49



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: 292.710+/-767.507 χ^2/NDF:8.0/6

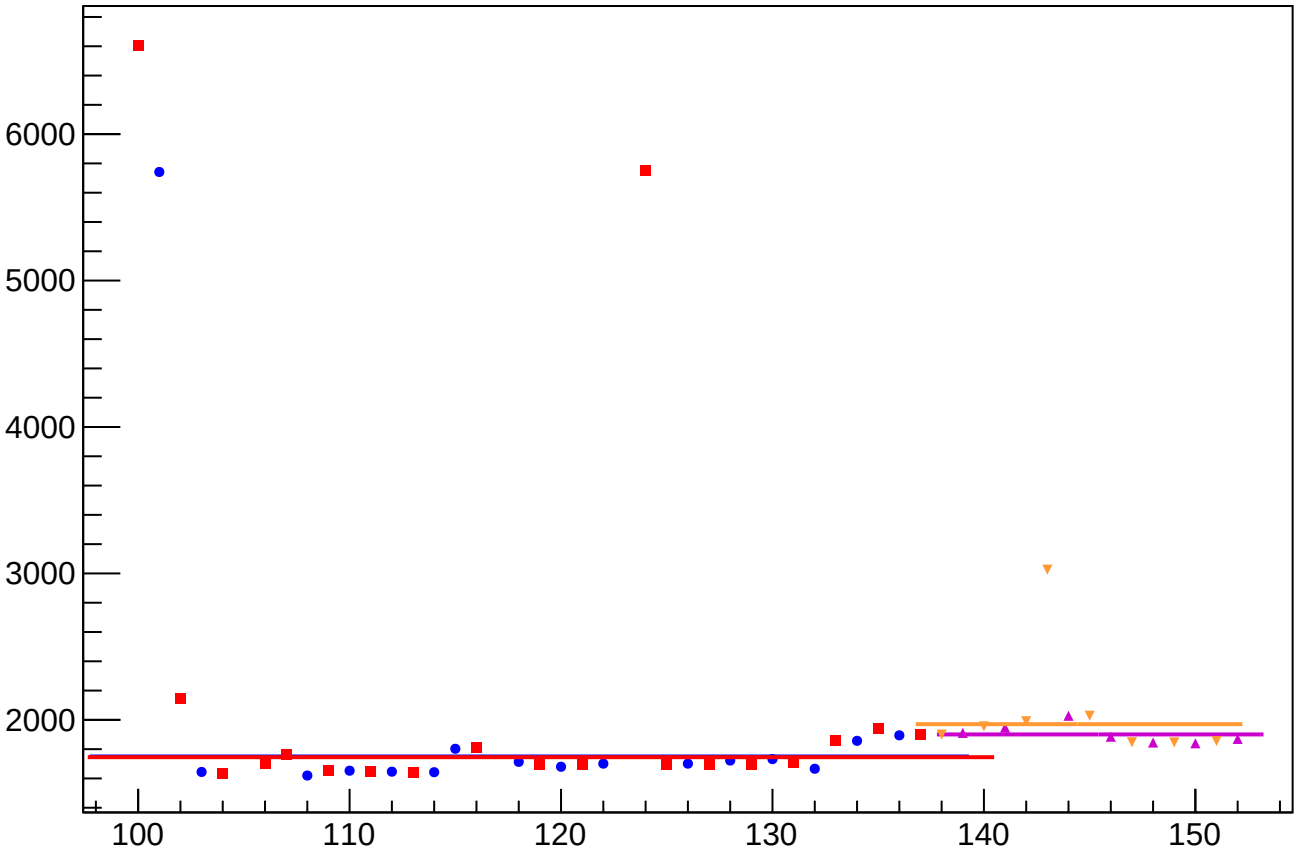
Left: 323.571+/-553.360 χ^2/NDF: 16.7/14

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 211.553+/-503.463 χ^2/NDF:25.7/22

Out: 176.009+/-506.556 χ^2/NDF:17.7/26

All: 193.890+/-357.091 χ^2/NDF: 43.5/49



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: 1900.634+/-0.543 χ^2/NDF:12218.7/6

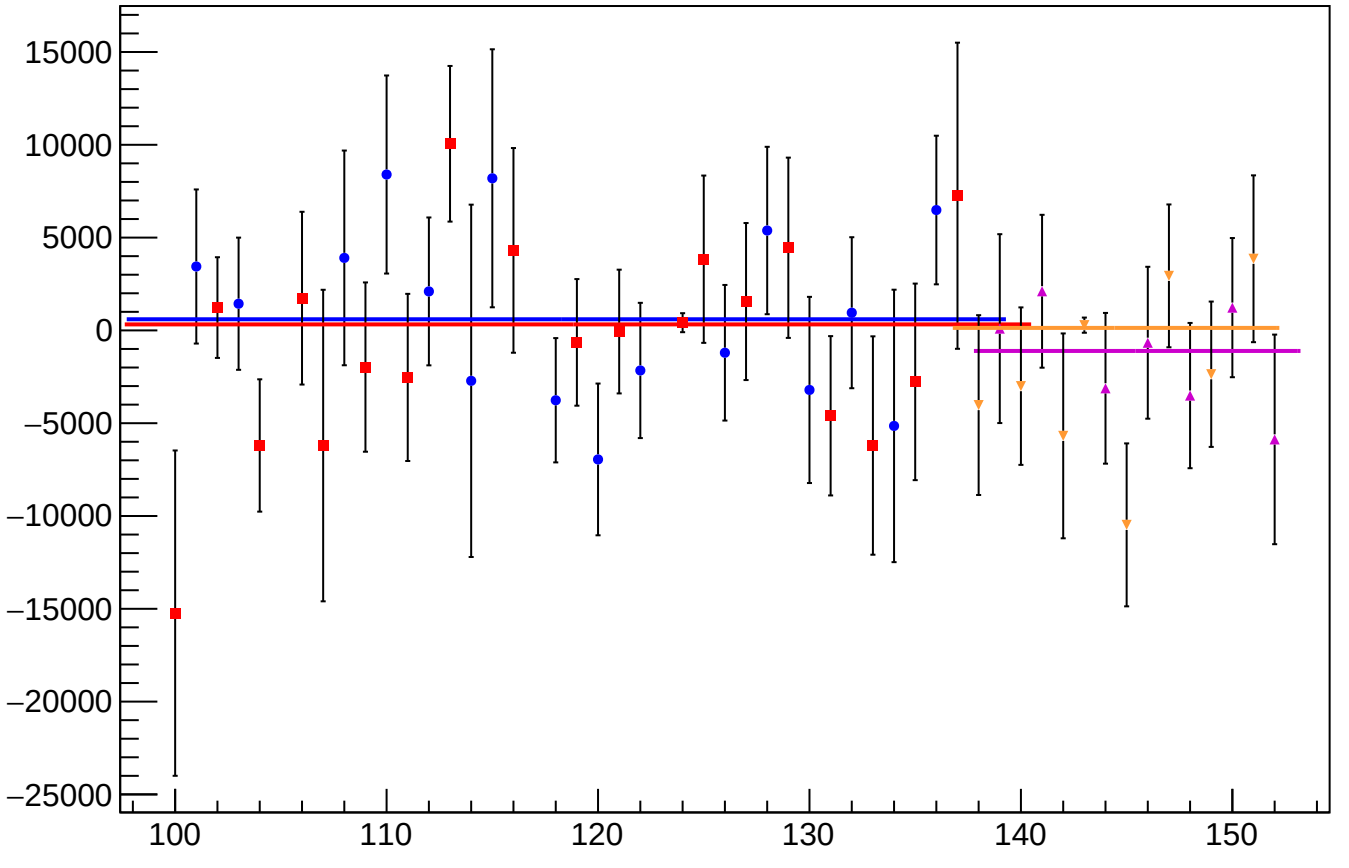
Left: 1934.240+/-0.391 χ^2/NDF: 243964.0/14

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1814.741+/-0.356 χ^2/NDF:725763.6/22

Out: 1835.493+/-0.357 χ^2/NDF:617276.1/26

All: 1825.077+/-0.252 χ^2/NDF: 1344732.1/49



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: -1107.114+/-1610.114 χ^2/NDF:2.4/6

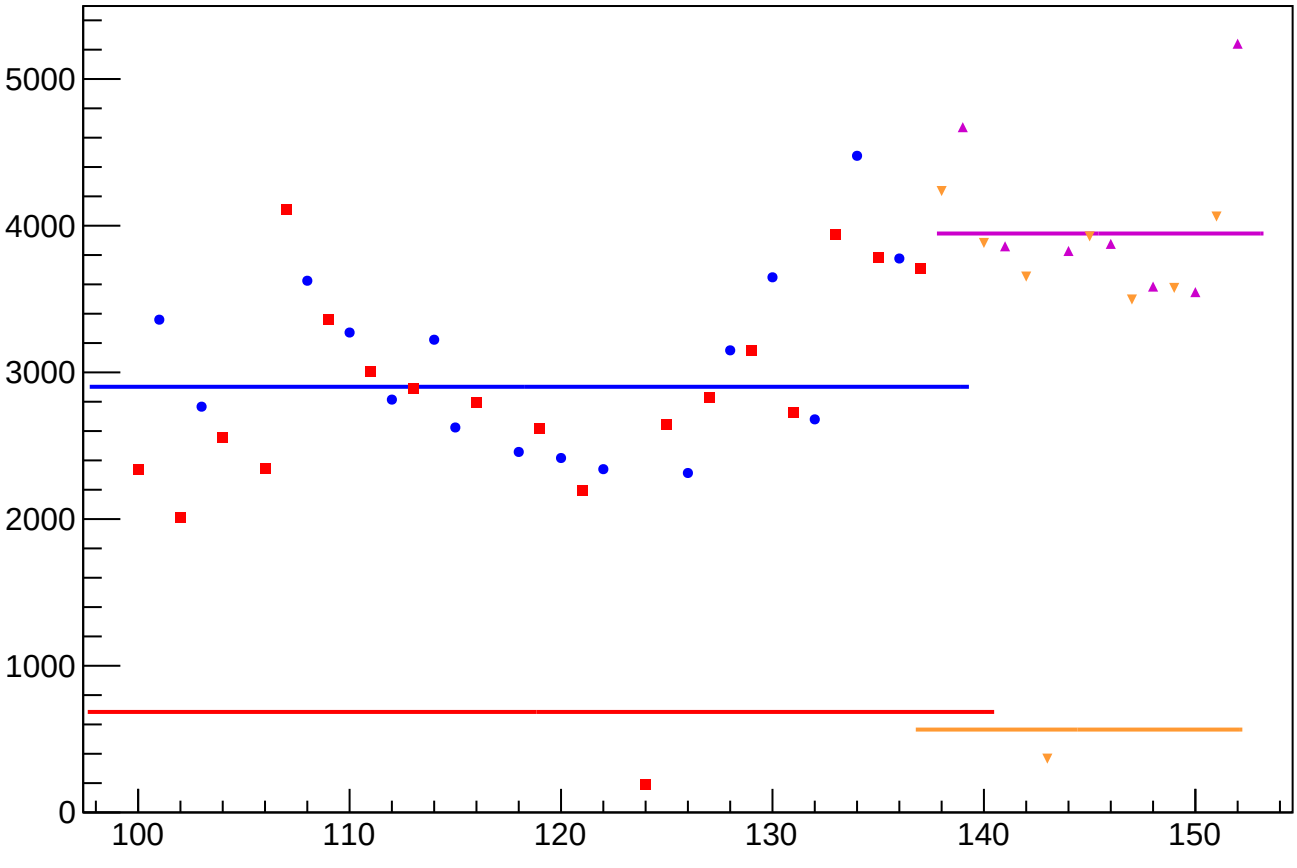
Left: 63.250+/-385.614 χ^2/NDF: 13.0/14

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 56.825+/-908.344 χ^2/NDF:18.0/22

Out: 215.286+/-300.304 χ^2/NDF:29.1/26

All: 199.672+/-285.125 χ^2/NDF: 47.2/49



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: 3946.737+/-1.139 χ^2/NDF:188639.4/6

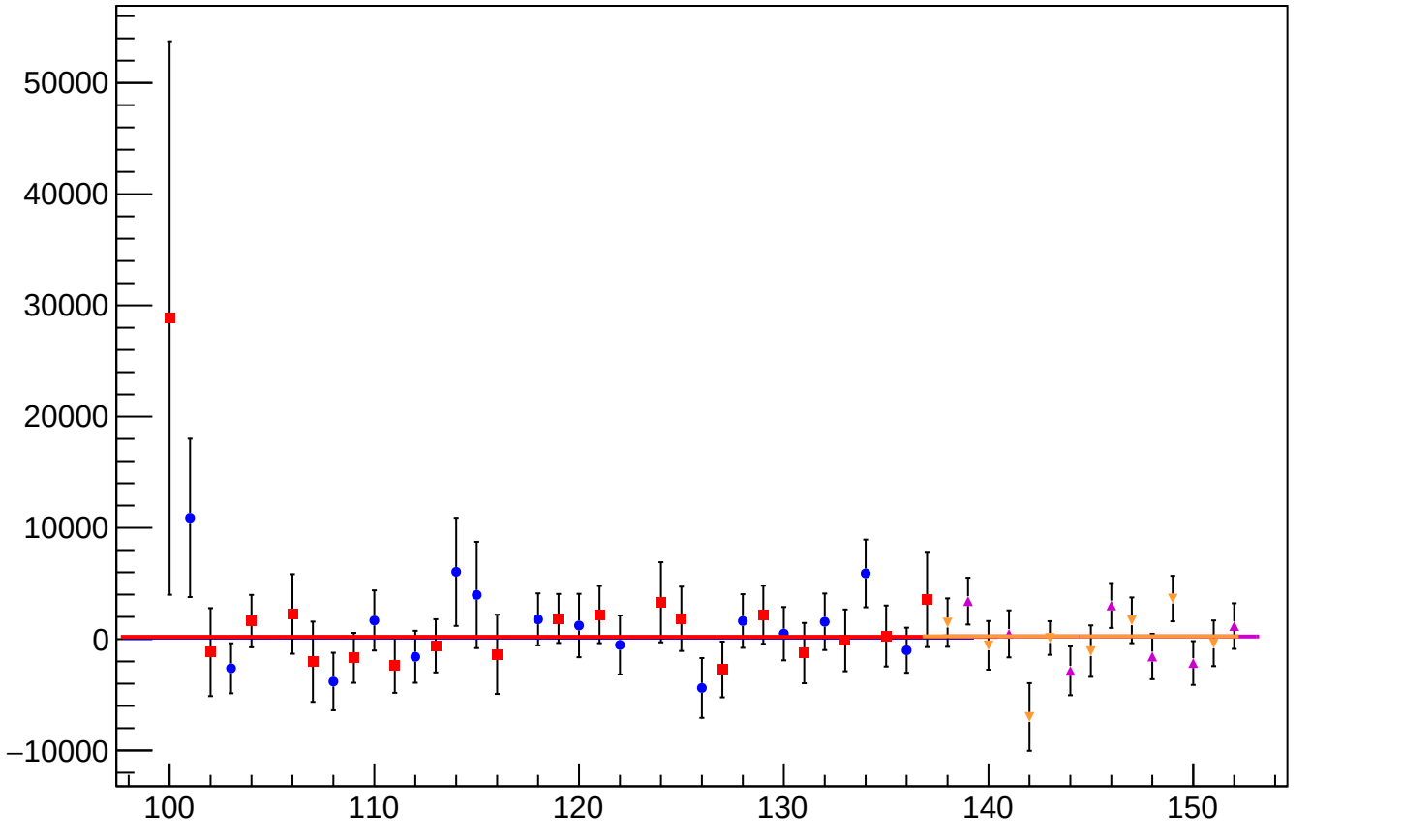
Left: 759.001+/-0.273 χ^2/NDF: 16700289.7/14

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3234.407+/-0.642 χ^2/NDF:1243771.8/22

Out: 616.527+/-0.212 χ^2/NDF:18379559.1/26

All: 874.468+/-0.202 χ^2/NDF: 34598782.2/49



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: 233.389+/-780.564 χ^2/NDF:8.6/6

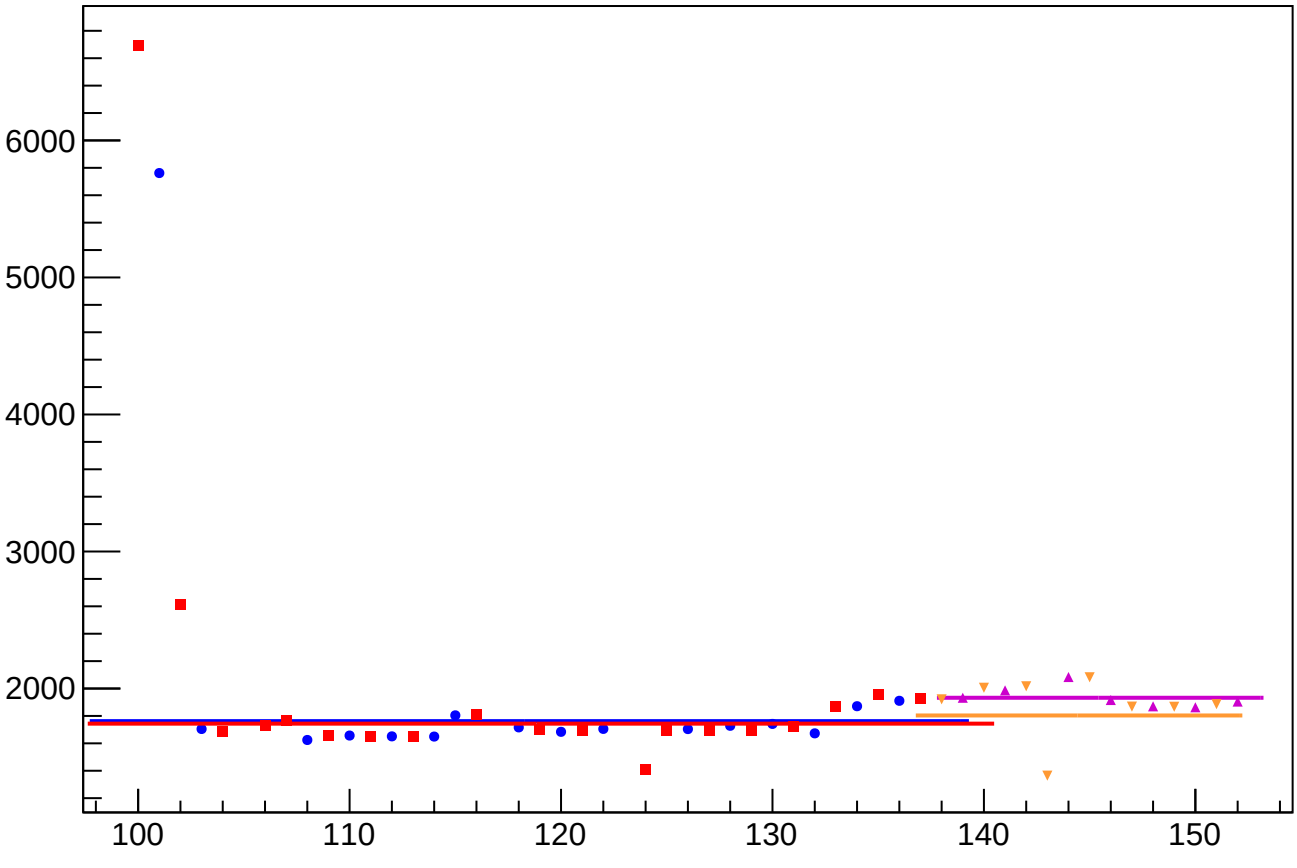
Left: 243.015+/-533.694 χ^2/NDF: 18.4/14

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 176.187+/-509.104 χ^2/NDF:25.9/22

Out: 225.897+/-487.693 χ^2/NDF:19.5/26

All: 202.109+/-352.177 χ^2/NDF: 45.4/49



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: 1932.600+/-0.552 χ^2/NDF:15681.3/6

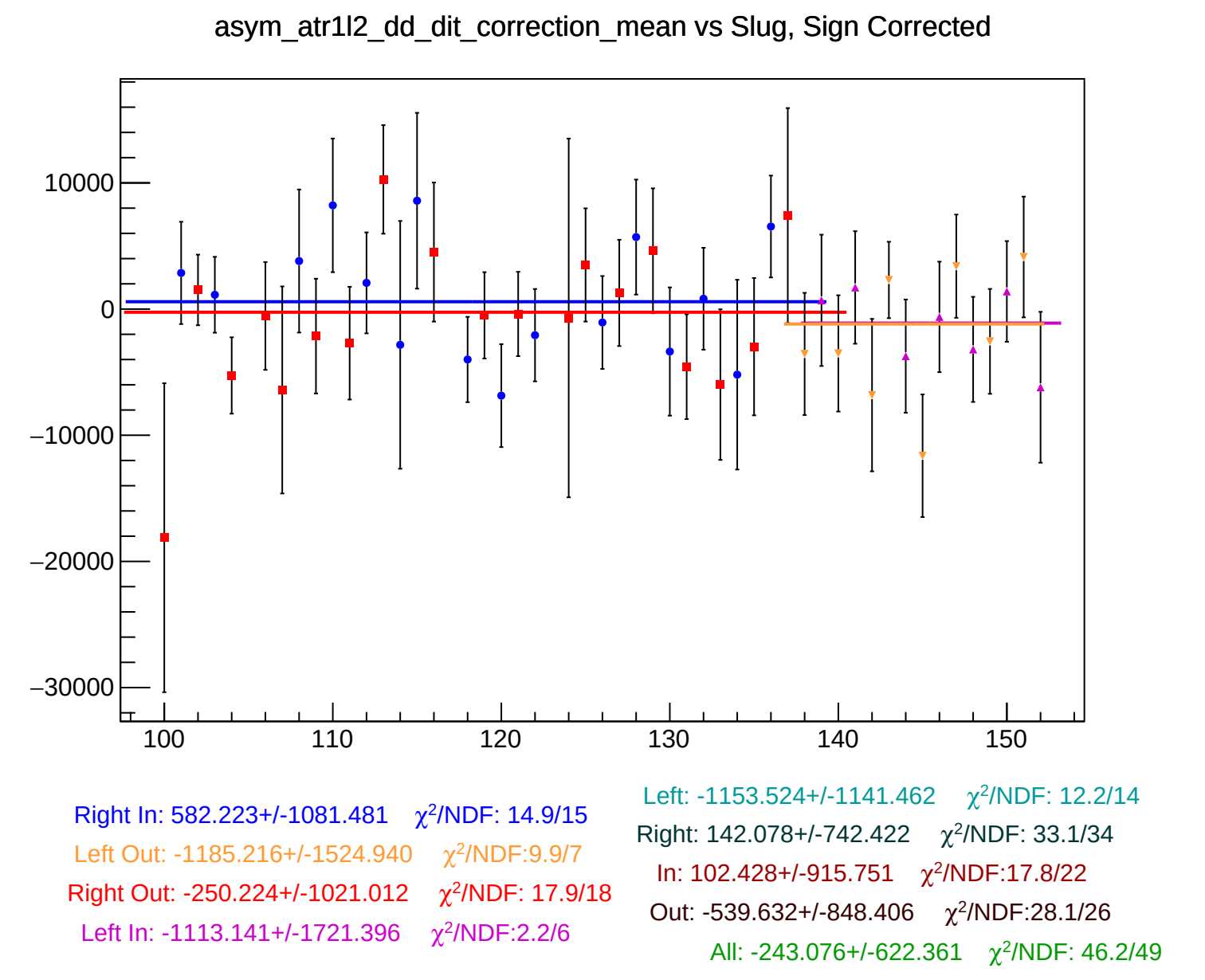
Left: 1863.818+/-0.377 χ^2/NDF: 283088.5/14

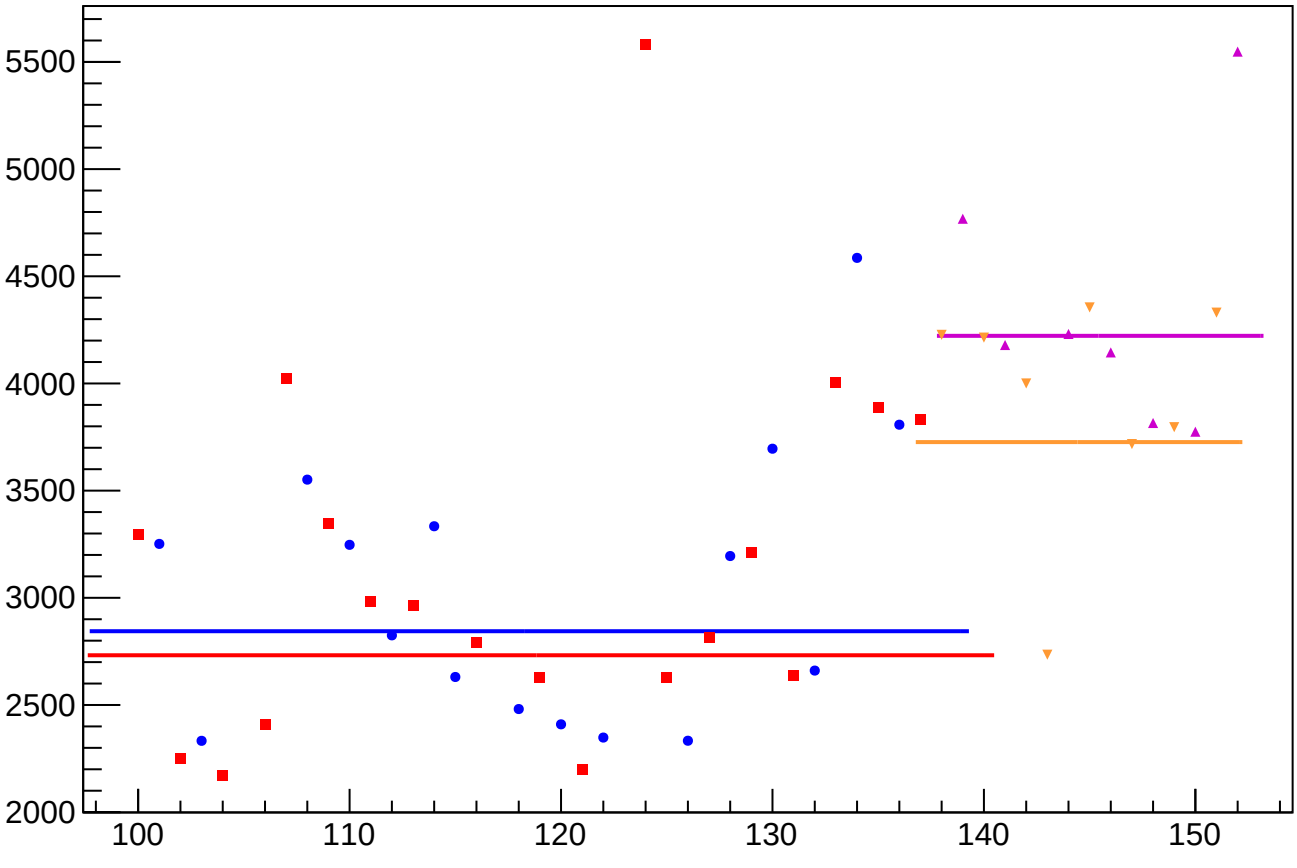
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1834.603+/-0.360 χ^2/NDF:738240.2/22

Out: 1770.191+/-0.344 χ^2/NDF:473429.5/26

All: 1800.963+/-0.249 χ^2/NDF: 1228390.1/49


asym_atr1l2_dd_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 582.223+/-1081.481 χ²/NDF: 14.9/15
Left Out: -1185.216+/-1524.940 χ²/NDF:9.9/7
Right Out: -250.224+/-1021.012 χ²/NDF: 17.9/18
Left In: -1113.141+/-1721.396 χ²/NDF:2.2/6
Left: -1153.524+/-1141.462 χ²/NDF: 12.2/14
Right: 142.078+/-742.422 χ²/NDF: 33.1/34
In: 102.428+/-915.751 χ²/NDF:17.8/22
Out: -539.632+/-848.406 χ²/NDF:28.1/26
All: -243.076+/-622.361 χ²/NDF: 46.2/49



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: 4222.230+/-1.217 χ^2/NDF:165463.0/6

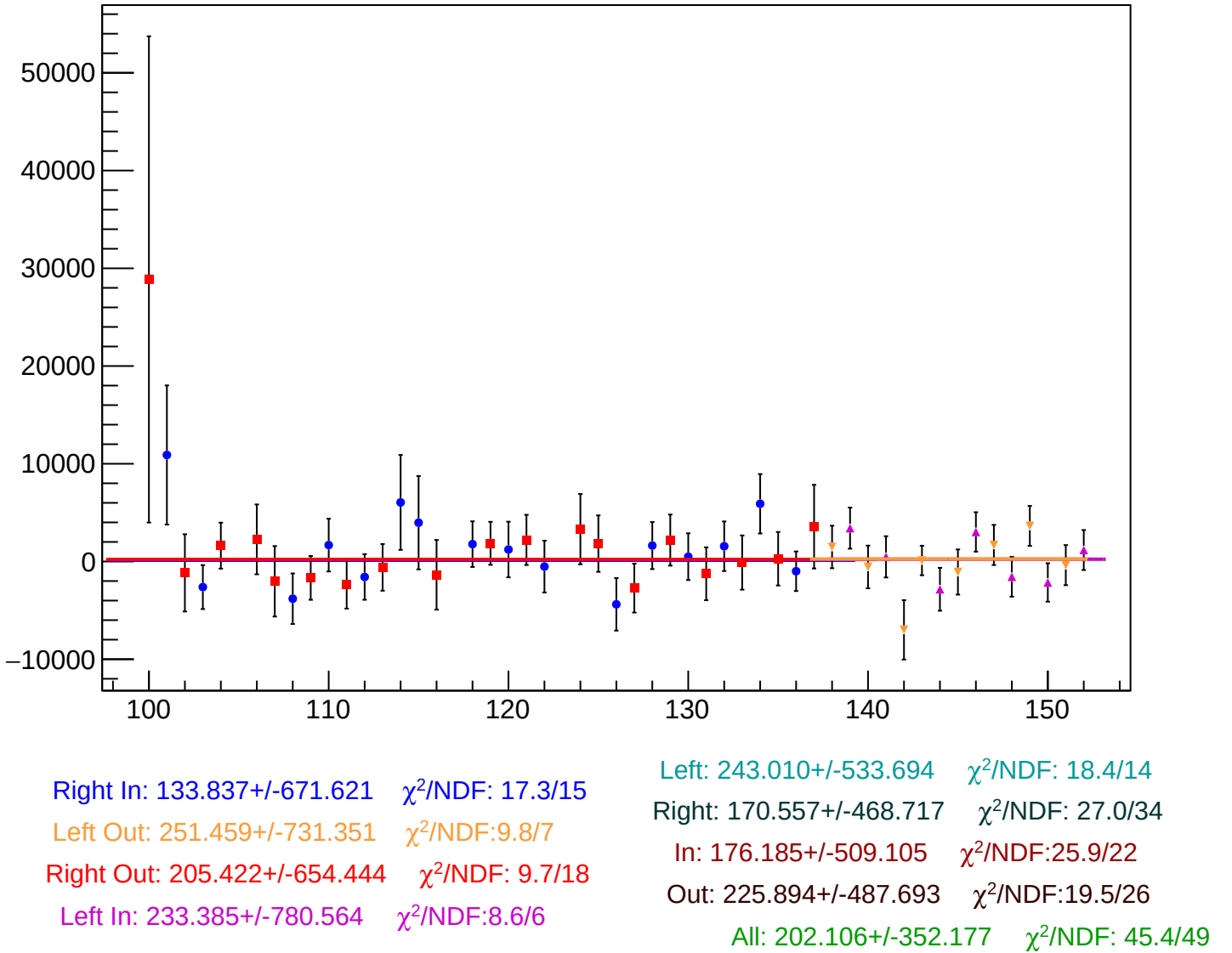
Left: 3944.474+/-0.807 χ^2/NDF: 586883.7/14

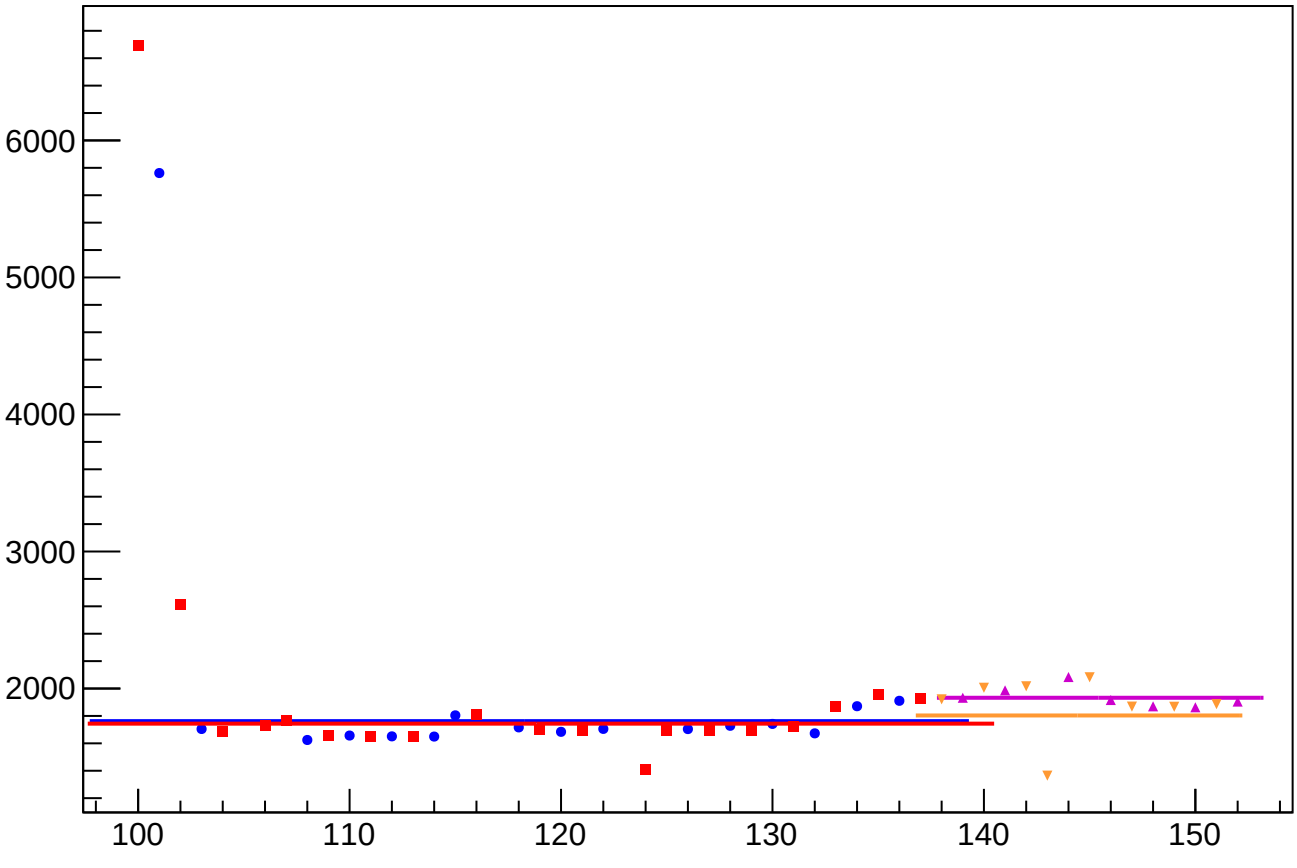
Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3234.154+/-0.648 χ^2/NDF:1626531.0/22

Out: 3039.811+/-0.600 χ^2/NDF:1527112.2/26

All: 3129.575+/-0.440 χ^2/NDF: 3202115.3/49


eigen_dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: 133.837+/-671.621 χ²/NDF: 17.3/15
Left Out: 251.459+/-731.351 χ²/NDF:9.8/7
Right Out: 205.422+/-654.444 χ²/NDF: 9.7/18
Left In: 233.385+/-780.564 χ²/NDF:8.6/6
Left: 243.010+/-533.694 χ²/NDF: 18.4/14
Right: 170.557+/-468.717 χ²/NDF: 27.0/34
In: 176.185+/-509.105 χ²/NDF:25.9/22
Out: 225.894+/-487.693 χ²/NDF:19.5/26
All: 202.106+/-352.177 χ²/NDF: 45.4/49



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: 1932.601+/-0.552 χ^2/NDF:15681.5/6

Left: 1863.819+/-0.377 χ^2/NDF: 283089.7/14

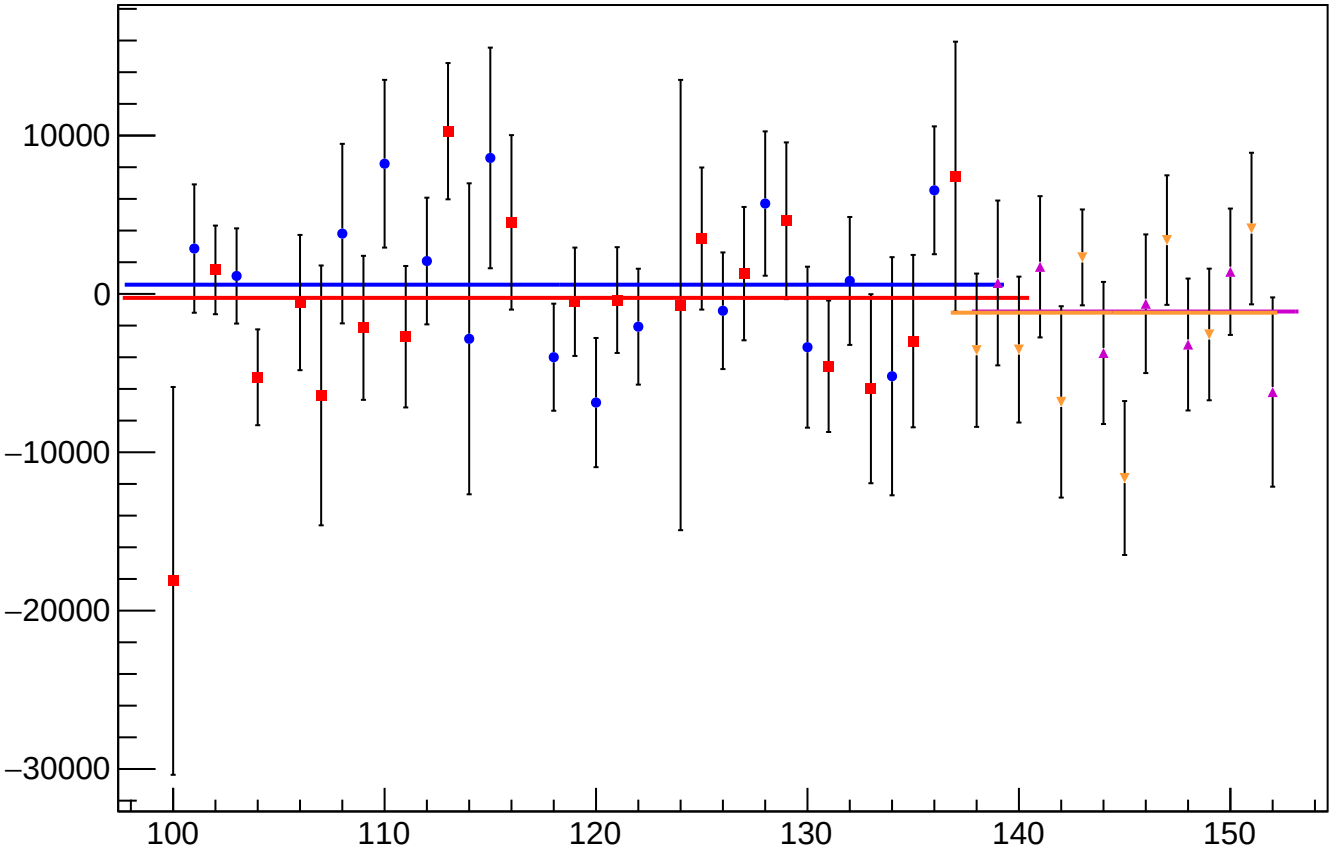
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1834.603+/-0.360 χ^2/NDF:738240.8/22

Out: 1770.191+/-0.344 χ^2/NDF:473430.5/26

All: 1800.963+/-0.249 χ^2/NDF: 1228391.8/49

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -1185.213+/-1524.942 χ^2/NDF:9.9/7

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -1113.142+/-1721.398 χ^2/NDF:2.2/6

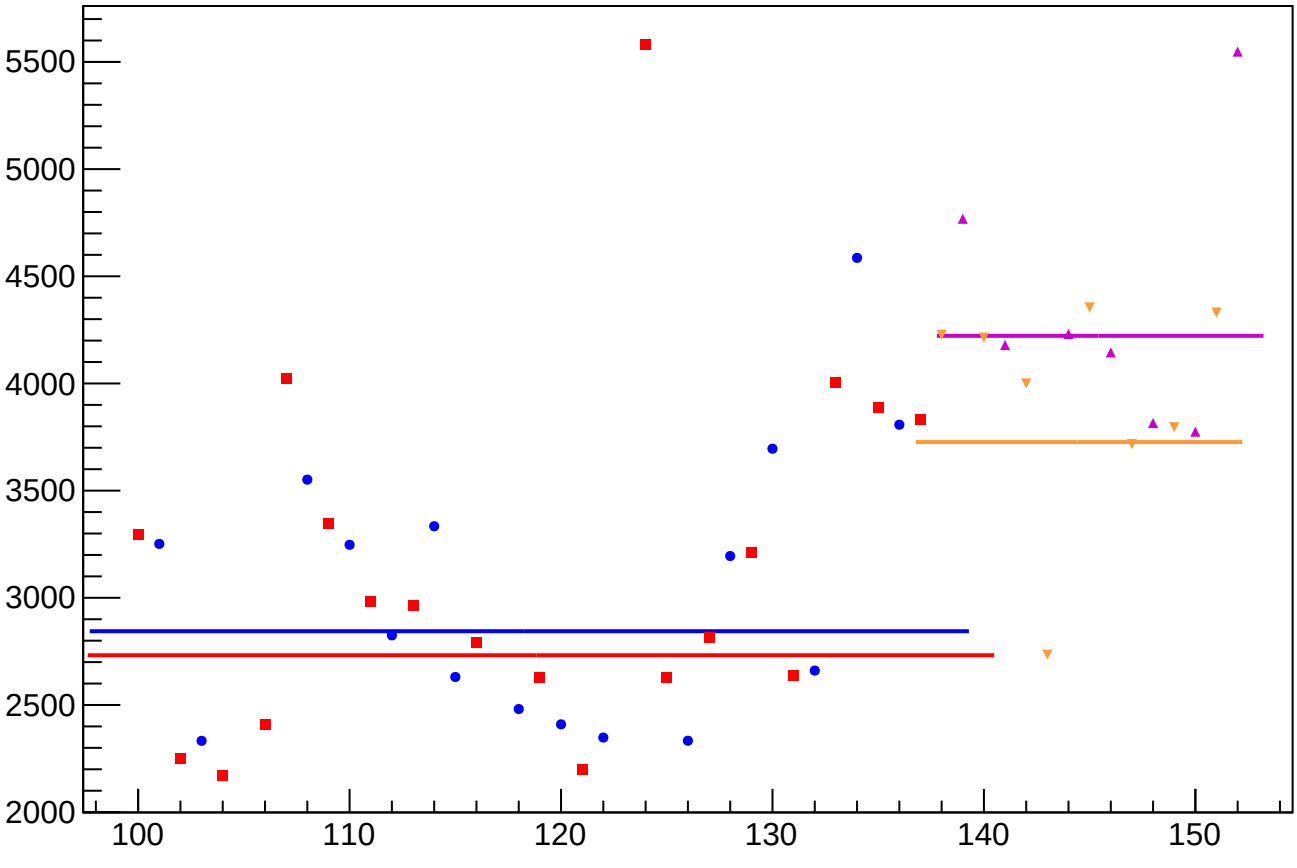
Left: -1153.523+/-1141.463 χ^2/NDF: 12.2/14

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 102.427+/-915.749 χ^2/NDF:17.8/22

Out: -539.630+/-848.405 χ^2/NDF:28.1/26

All: -243.076+/-622.360 χ^2/NDF: 46.2/49



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: 4222.235+/-1.217 χ^2/NDF:165465.0/6

Left: 3944.478+/-0.807 χ^2/NDF: 586889.5/14

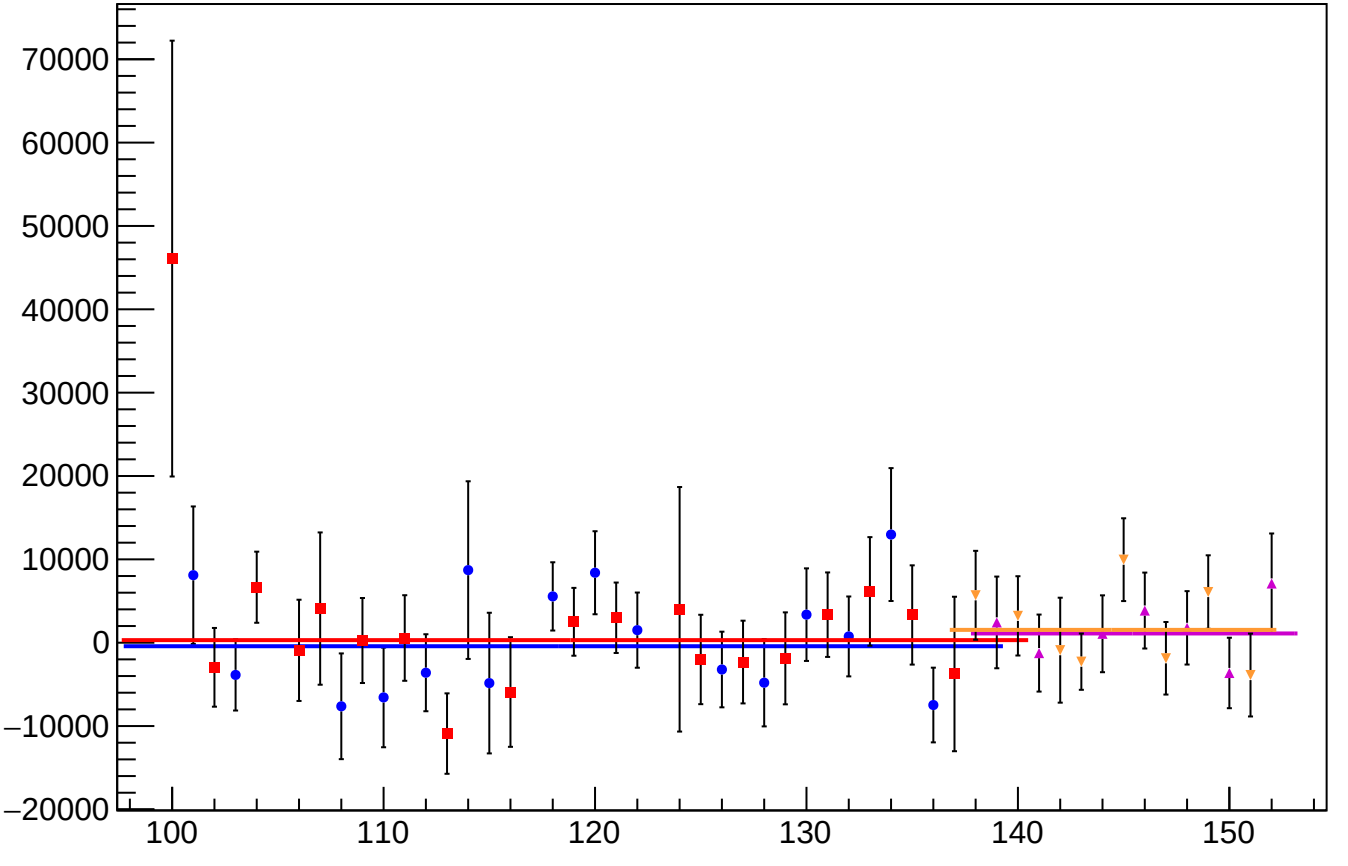
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3234.148+/-0.648 χ^2/NDF:1626553.3/22

Out: 3039.807+/-0.600 χ^2/NDF:1527123.7/26

All: 3129.569+/-0.440 χ^2/NDF: 3202148.2/49

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: 1108.781+/-1794.854 χ^2/NDF:3.0/6

Left: 1344.770+/-1205.606 χ^2/NDF: 10.9/14

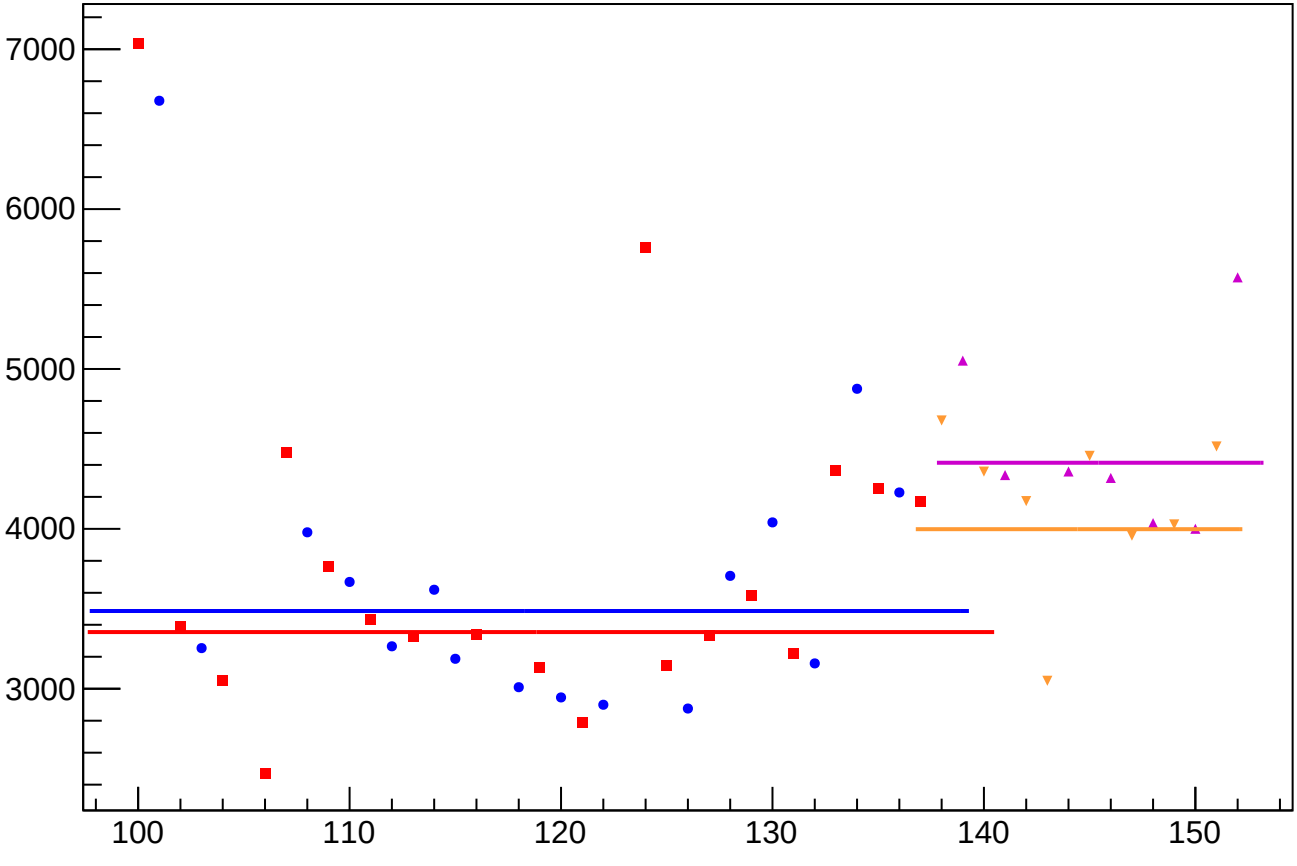
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 118.425+/-1067.171 χ^2/NDF:21.3/22

Out: 776.343+/-1004.003 χ^2/NDF:23.5/26

All: 467.431+/-731.249 χ^2/NDF: 45.0/49

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: 4413.483+/-1.269 χ^2/NDF:137170.9/6

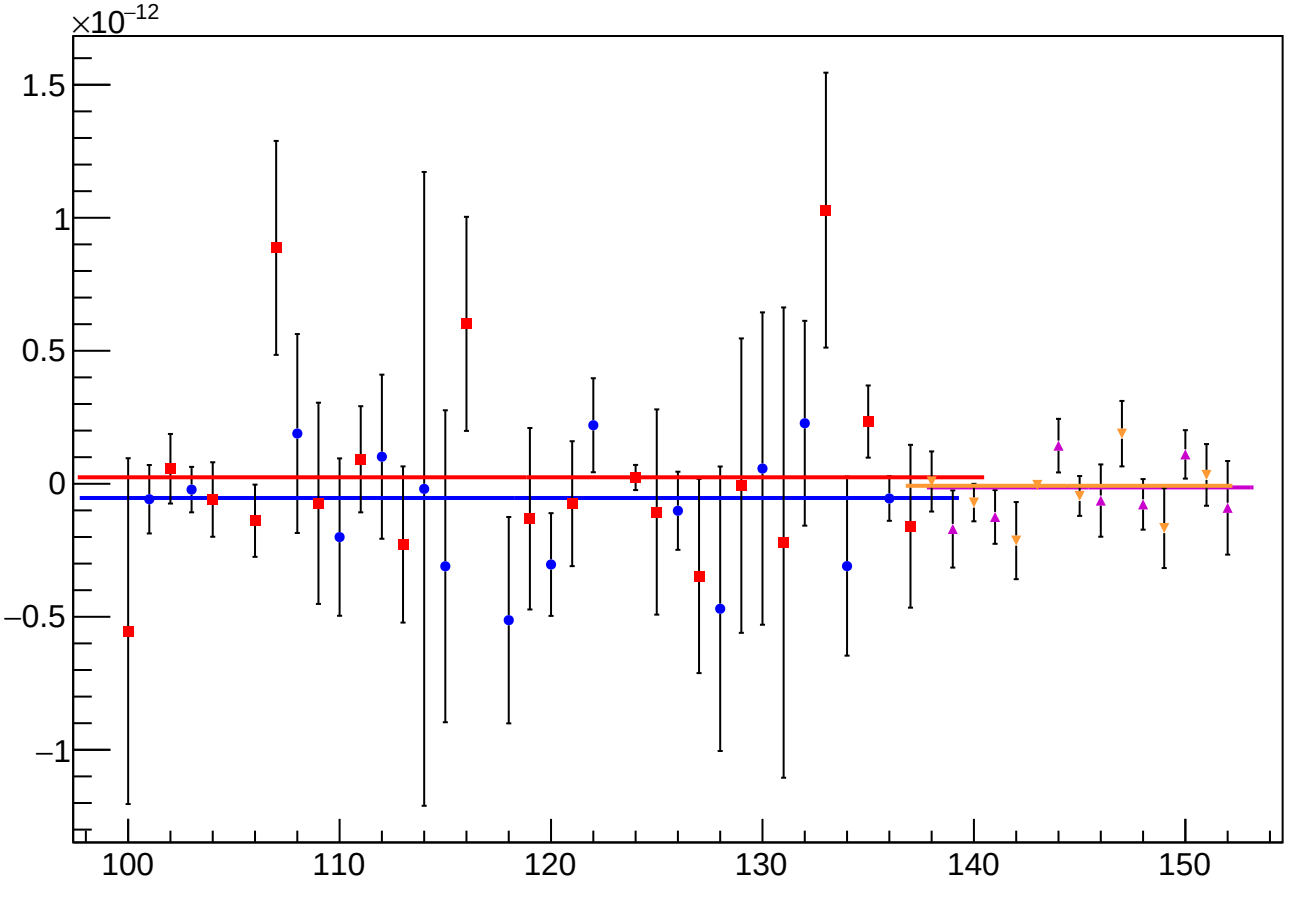
Left: 4185.426+/-0.852 χ^2/NDF: 438352.4/14

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3813.988+/-0.755 χ^2/NDF:1078093.5/22

Out: 3595.113+/-0.704 χ^2/NDF:814534.2/26

All: 3696.929+/-0.515 χ^2/NDF: 1937622.7/49



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:7.4/6

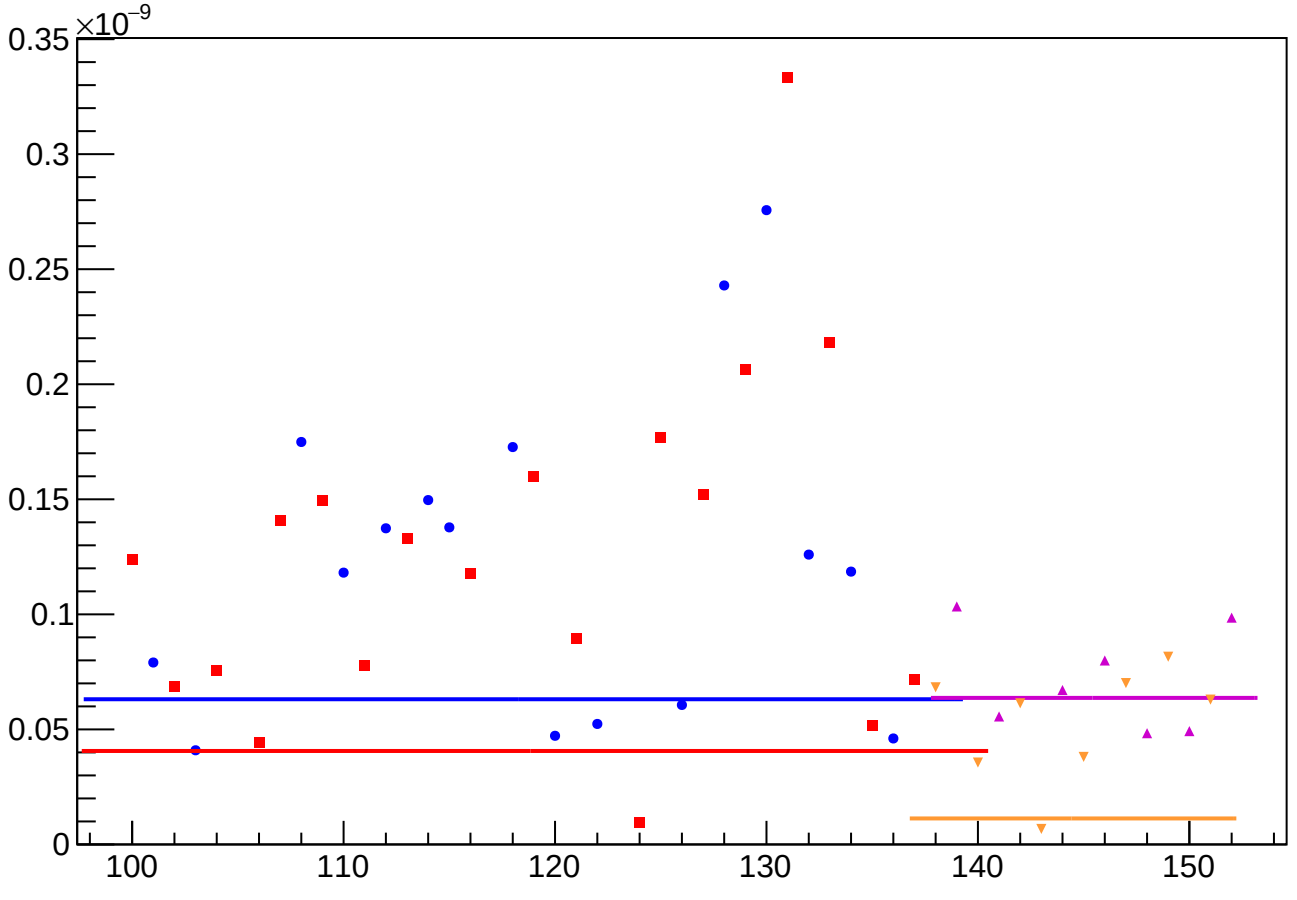
Left: -0.000+/-0.000 χ^2/NDF: 14.4/14

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:16.4/22

Out: -0.000+/-0.000 χ^2/NDF:26.0/26

All: -0.000+/-0.000 χ^2/NDF: 43.2/49



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:374688.9/6

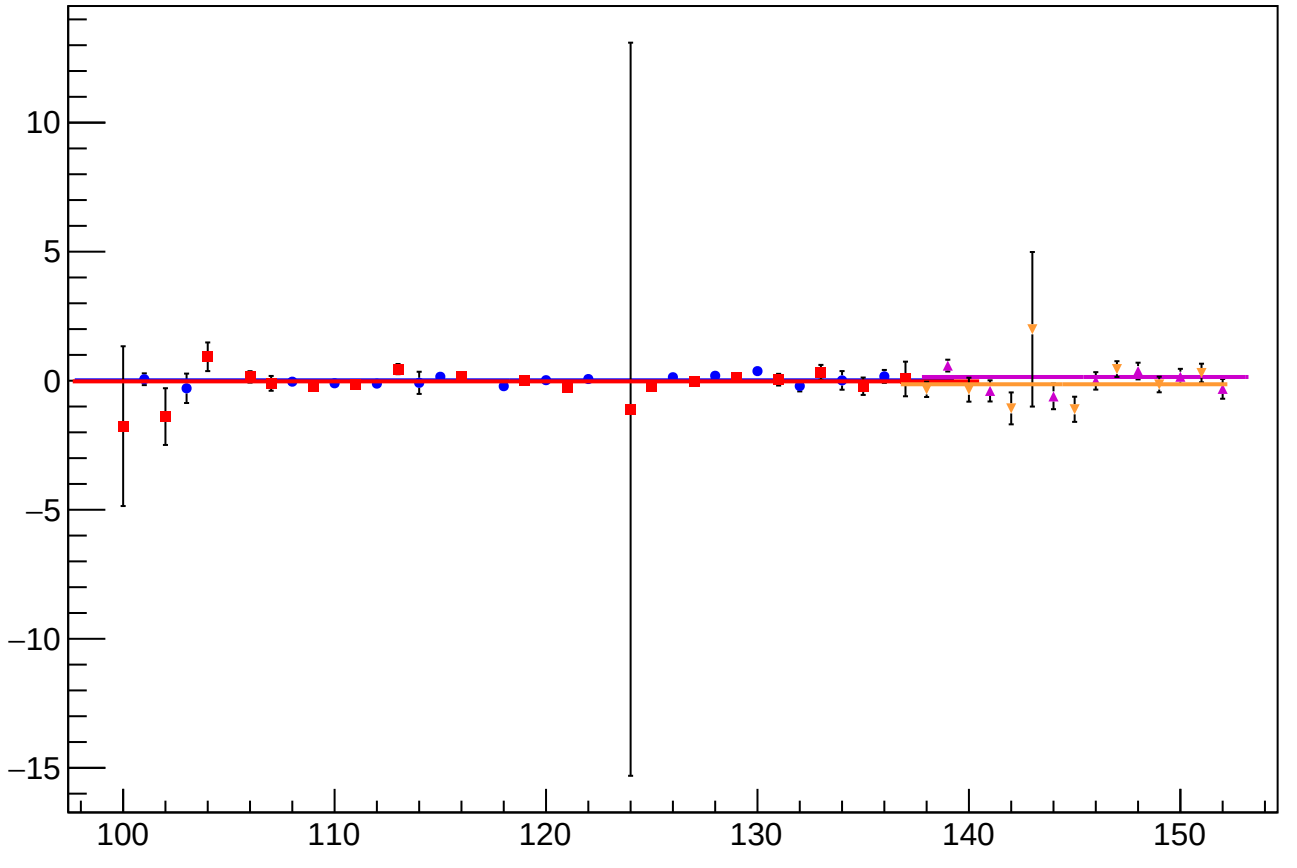
Left: 0.000+/-0.000 χ^2/NDF: 6000261.0/14

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:1806892.7/22

Out: 0.000+/-0.000 χ^2/NDF:7158451.0/26

All: 0.000+/-0.000 χ^2/NDF: 13458131.0/49



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: 0.144+/-0.124 χ^2/NDF:9.9/6

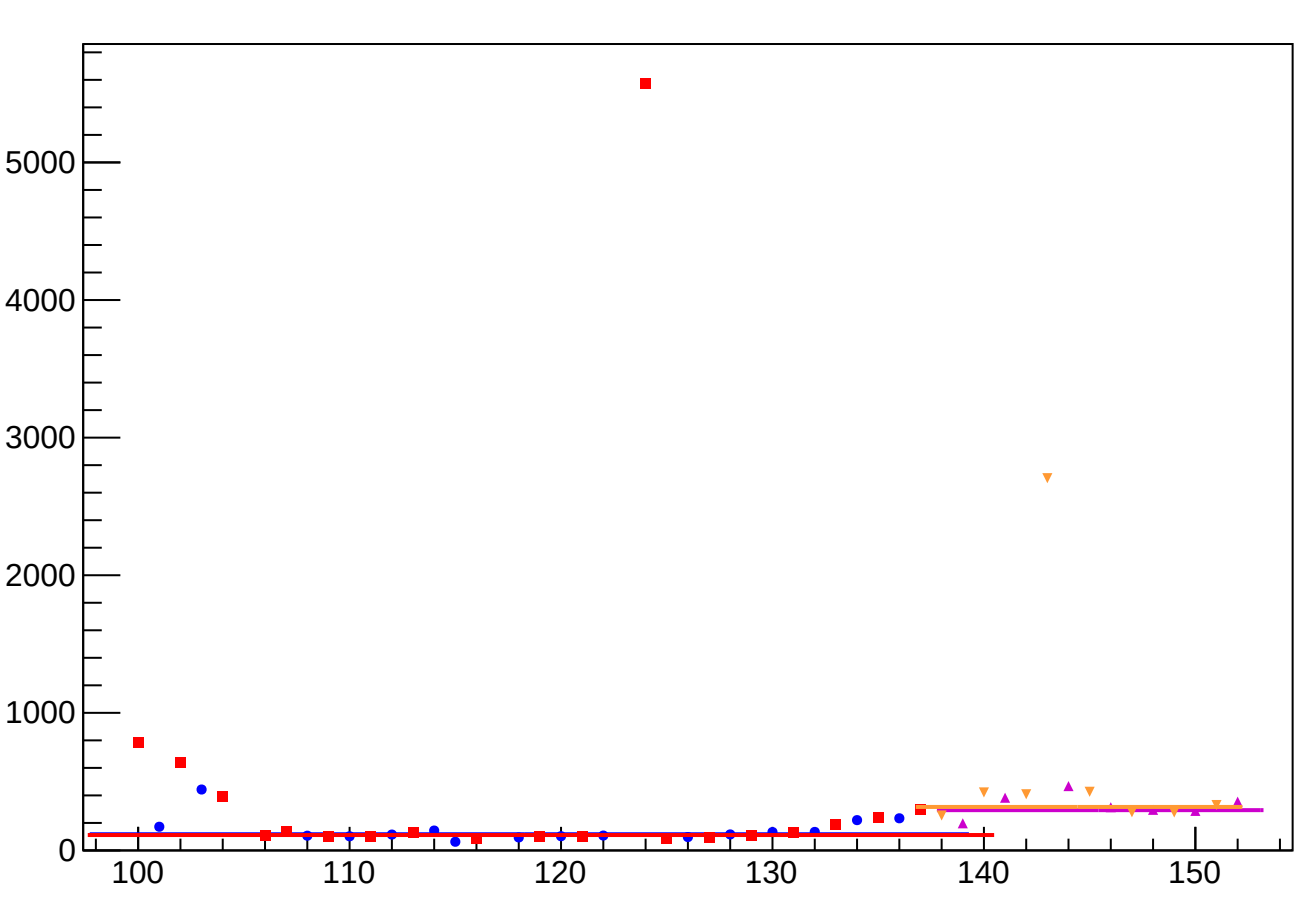
Left: 0.019+/-0.092 χ^2/NDF: 24.8/14

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.032+/-0.045 χ^2/NDF:22.7/22

Out: -0.037+/-0.044 χ^2/NDF:35.2/26

All: -0.003+/-0.031 χ^2/NDF: 59.1/49



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: 292.911+/-0.088 χ^2/NDF:756283.6/6

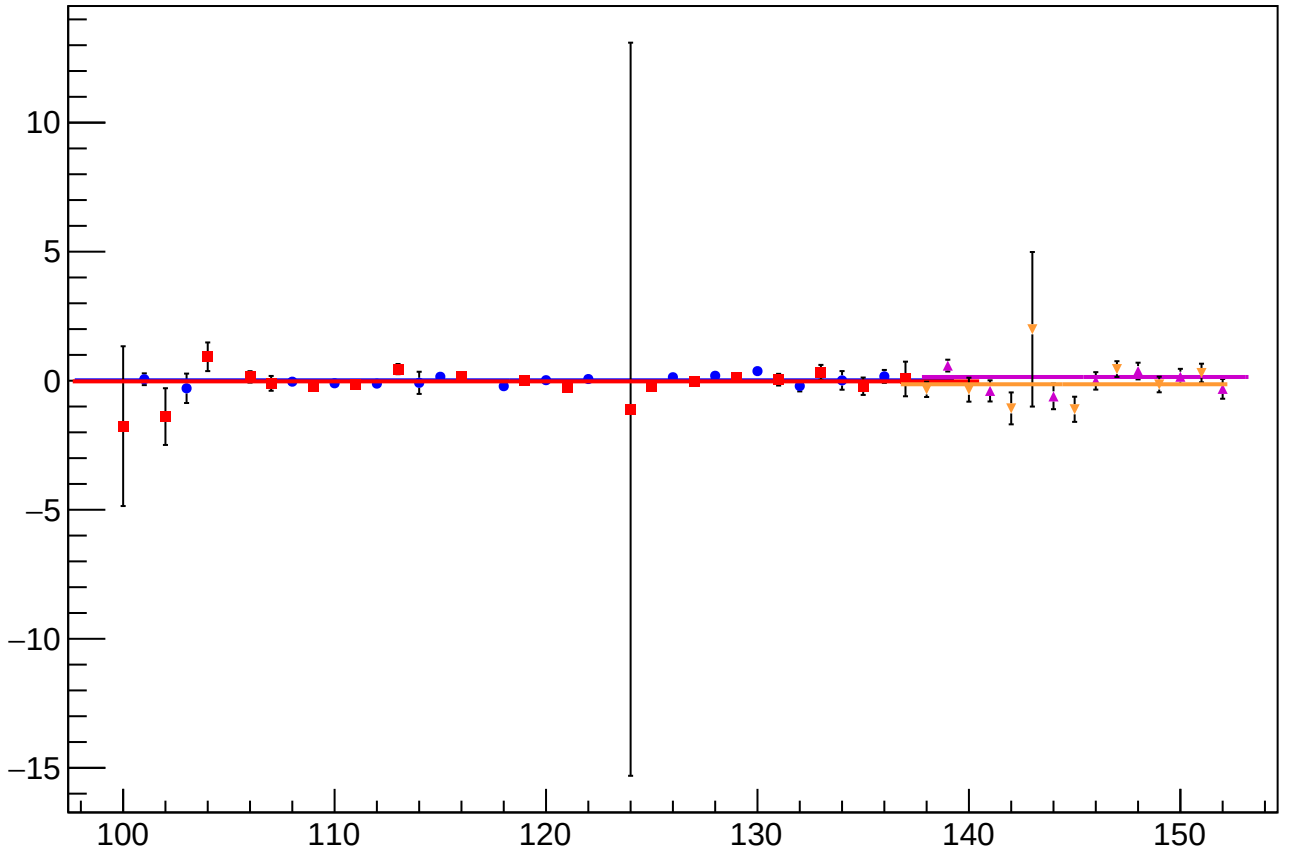
Left: 303.302+/-0.065 χ^2/NDF: 2469661.5/14

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 140.397+/-0.032 χ^2/NDF:5954842.5/22

Out: 133.157+/-0.031 χ^2/NDF:7780705.8/26

All: 136.751+/-0.022 χ^2/NDF: 13761993.6/49



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: 0.144+/-0.124 χ^2/NDF:9.9/6

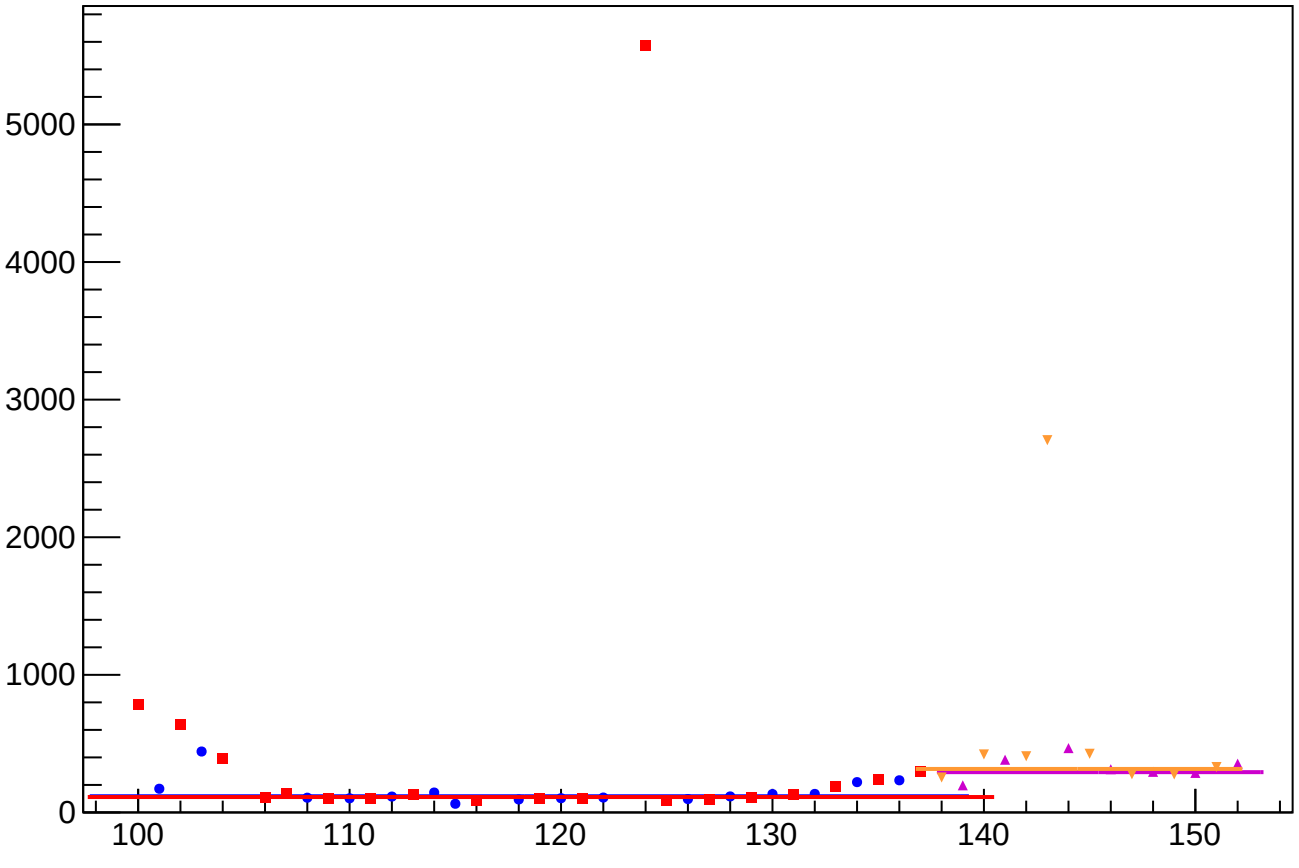
Left: 0.019+/-0.092 χ^2/NDF: 24.8/14

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.032+/-0.045 χ^2/NDF:22.7/22

Out: -0.037+/-0.044 χ^2/NDF:35.2/26

All: -0.003+/-0.031 χ^2/NDF: 59.1/49



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: 292.911+/-0.088 χ^2/NDF:756283.6/6

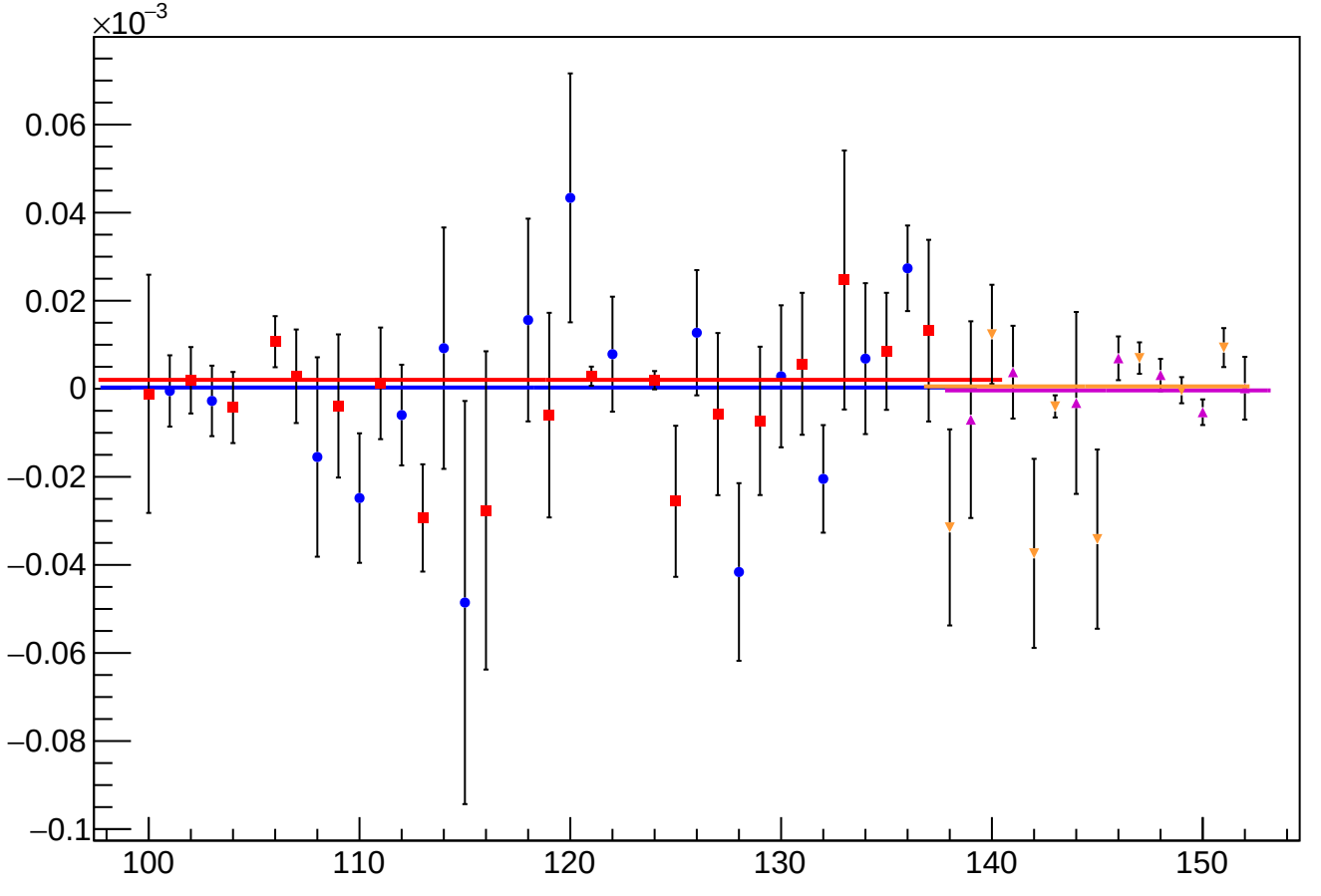
Left: 303.302+/-0.065 χ^2/NDF: 2469661.5/14

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 140.397+/-0.032 χ^2/NDF:5954842.5/22

Out: 133.157+/-0.031 χ^2/NDF:7780705.8/26

All: 136.751+/-0.022 χ^2/NDF: 13761993.6/49



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:6.2/6

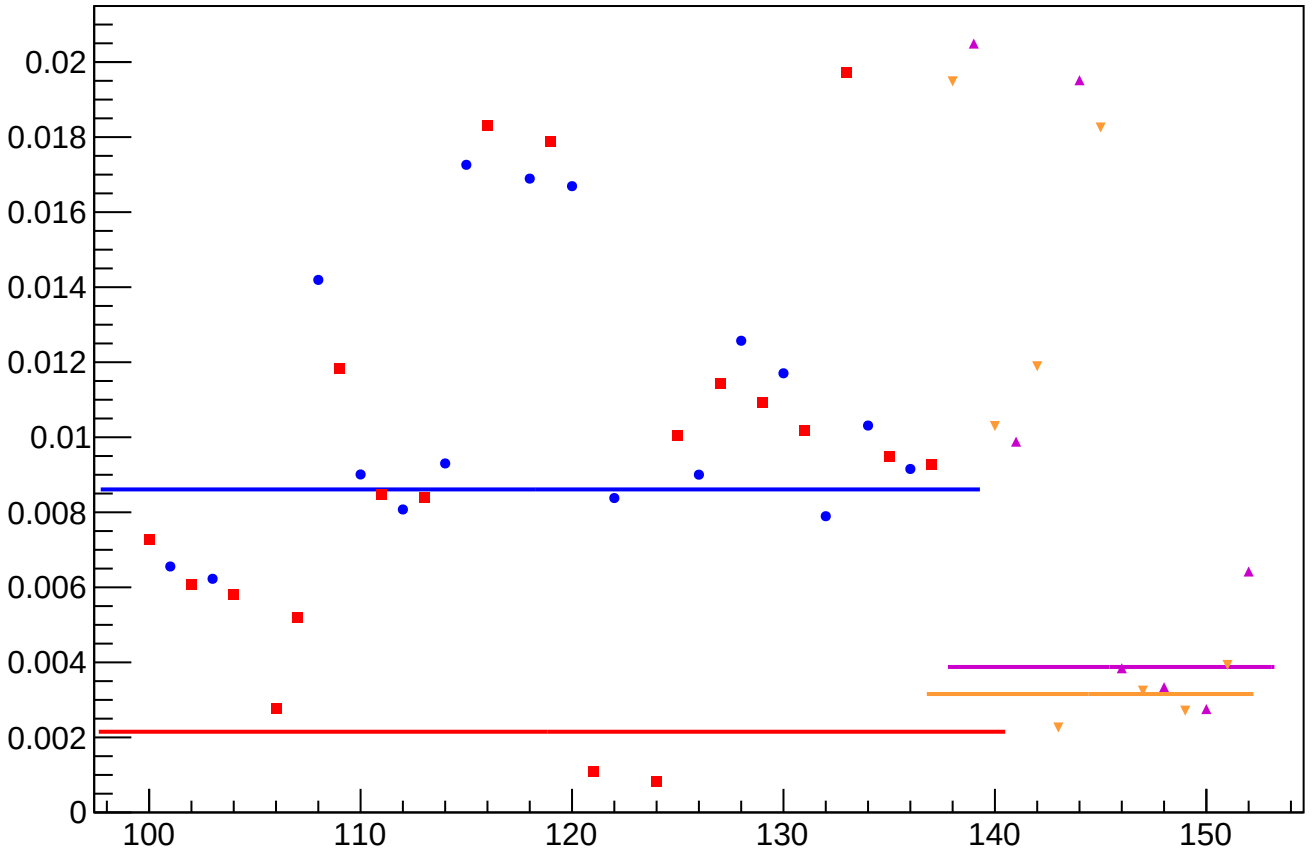
Left: 0.000+/-0.000 χ^2/NDF: 26.1/14

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:30.4/22

Out: 0.000+/-0.000 χ^2/NDF:35.1/26

All: 0.000+/-0.000 χ^2/NDF: 66.1/49



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:3498077.7/6

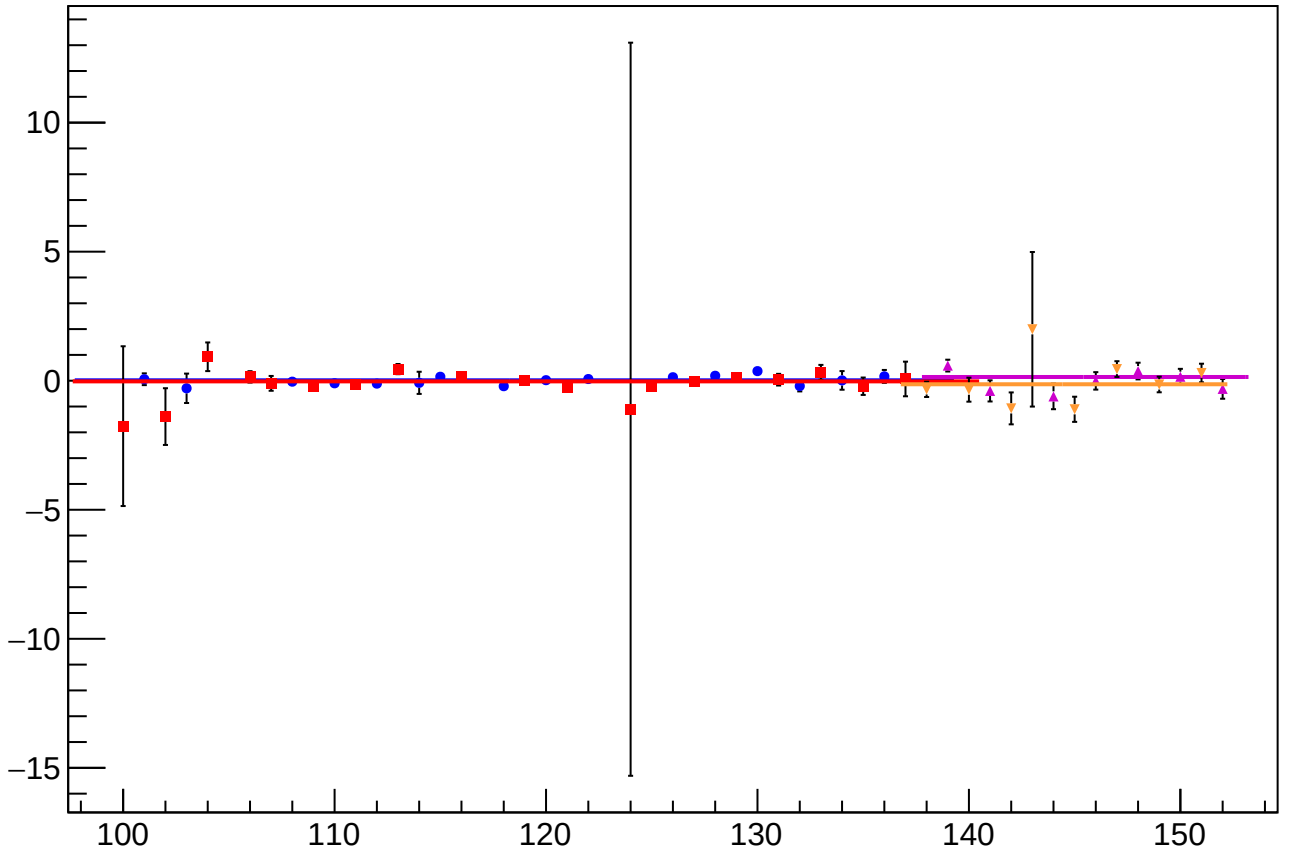
Left: 0.003+/-0.000 χ^2/NDF: 7337238.6/14

Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:7570020.1/22

Out: 0.003+/-0.000 χ^2/NDF:13238661.1/26

All: 0.003+/-0.000 χ^2/NDF: 23982244.0/49



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: 0.144+/-0.124 χ^2/NDF:9.9/6

Left: 0.019+/-0.092 χ^2/NDF: 24.8/14

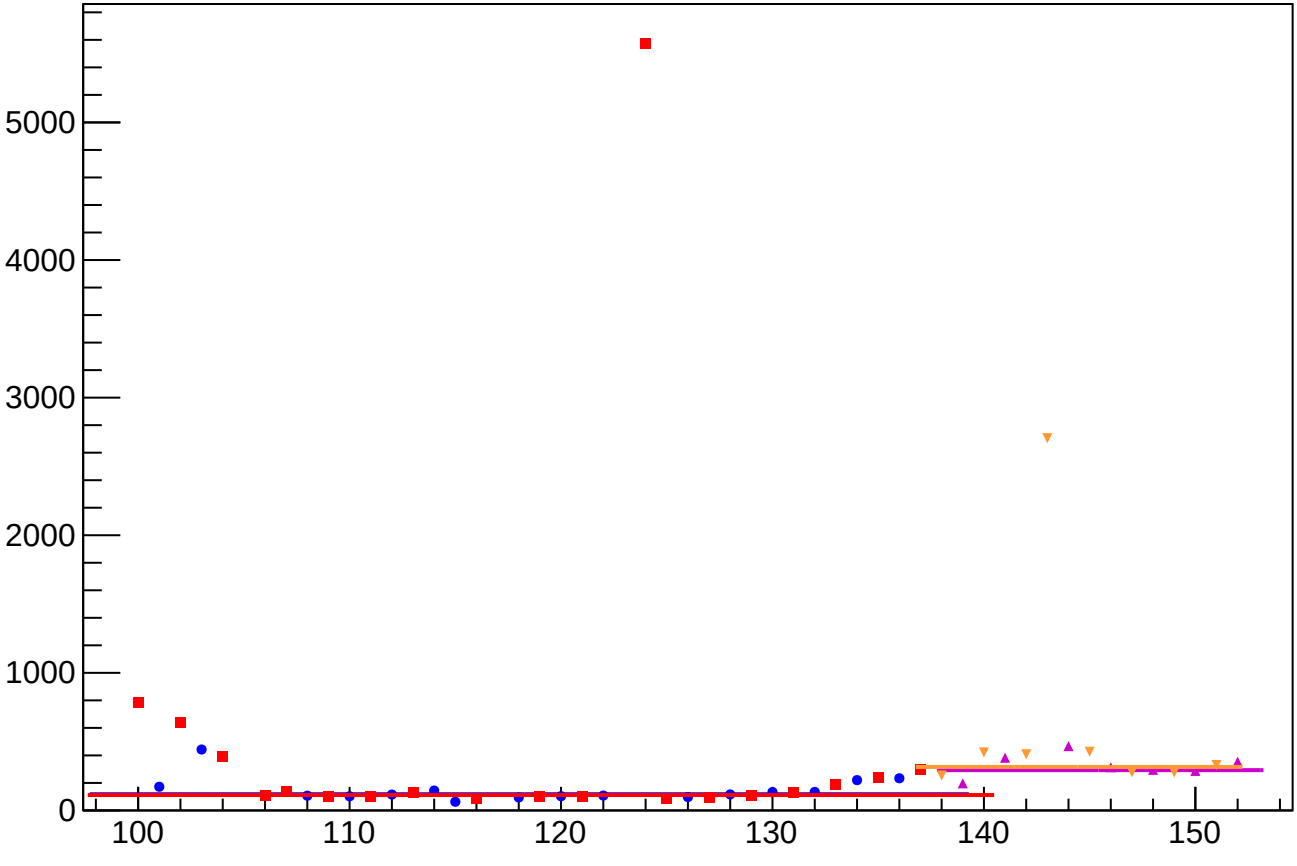
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.032+/-0.045 χ^2/NDF:22.7/22

Out: -0.037+/-0.044 χ^2/NDF:35.2/26

All: -0.003+/-0.031 χ^2/NDF: 59.1/49

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: 292.915+/-0.088 χ^2/NDF:756269.5/6

Left: 303.305+/-0.065 χ^2/NDF: 2469665.0/14

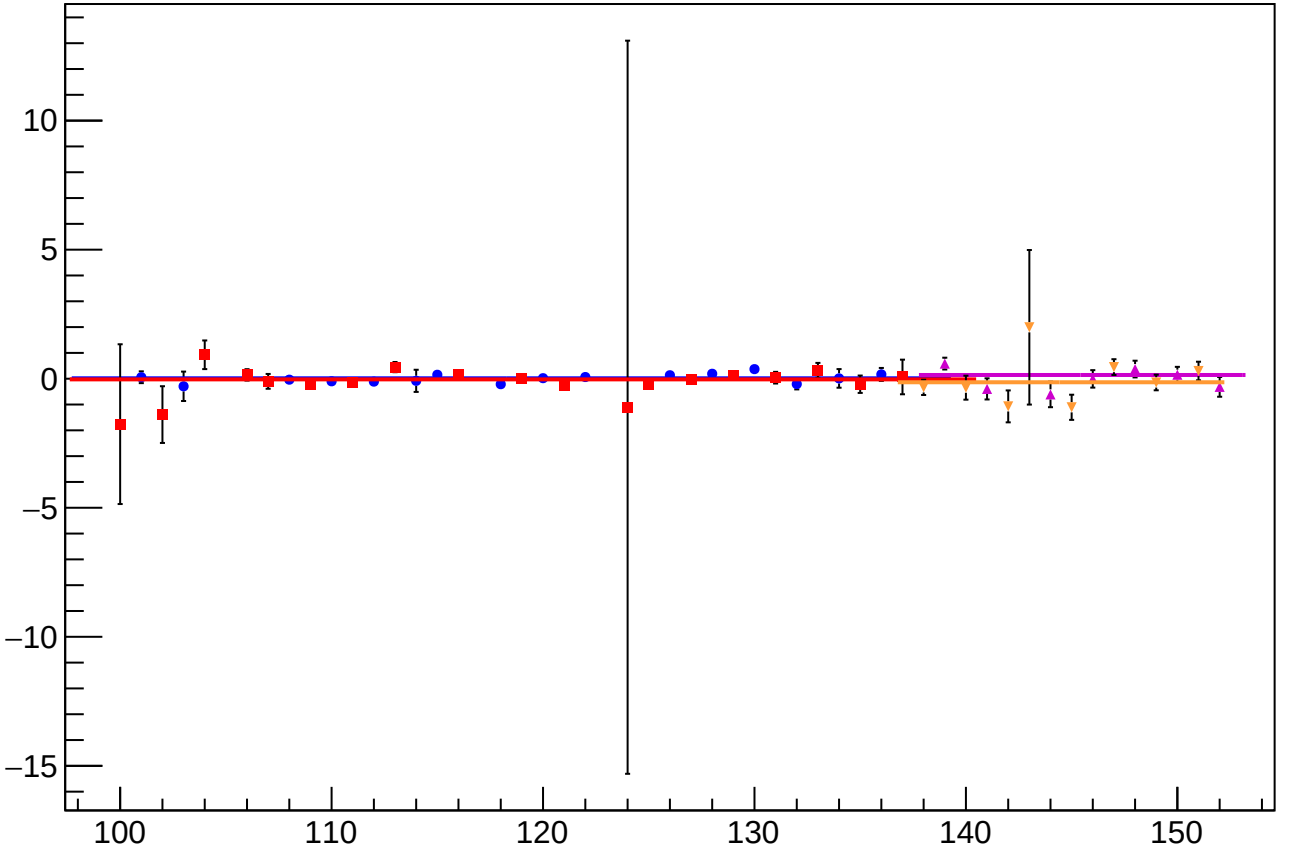
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 140.397+/-0.032 χ^2/NDF:5954861.0/22

Out: 133.159+/-0.031 χ^2/NDF:7780616.7/26

All: 136.752+/-0.022 χ^2/NDF: 13761909.5/49

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: 0.144+/-0.124 χ^2/NDF:9.9/6

Left: 0.019+/-0.092 χ^2/NDF: 24.8/14

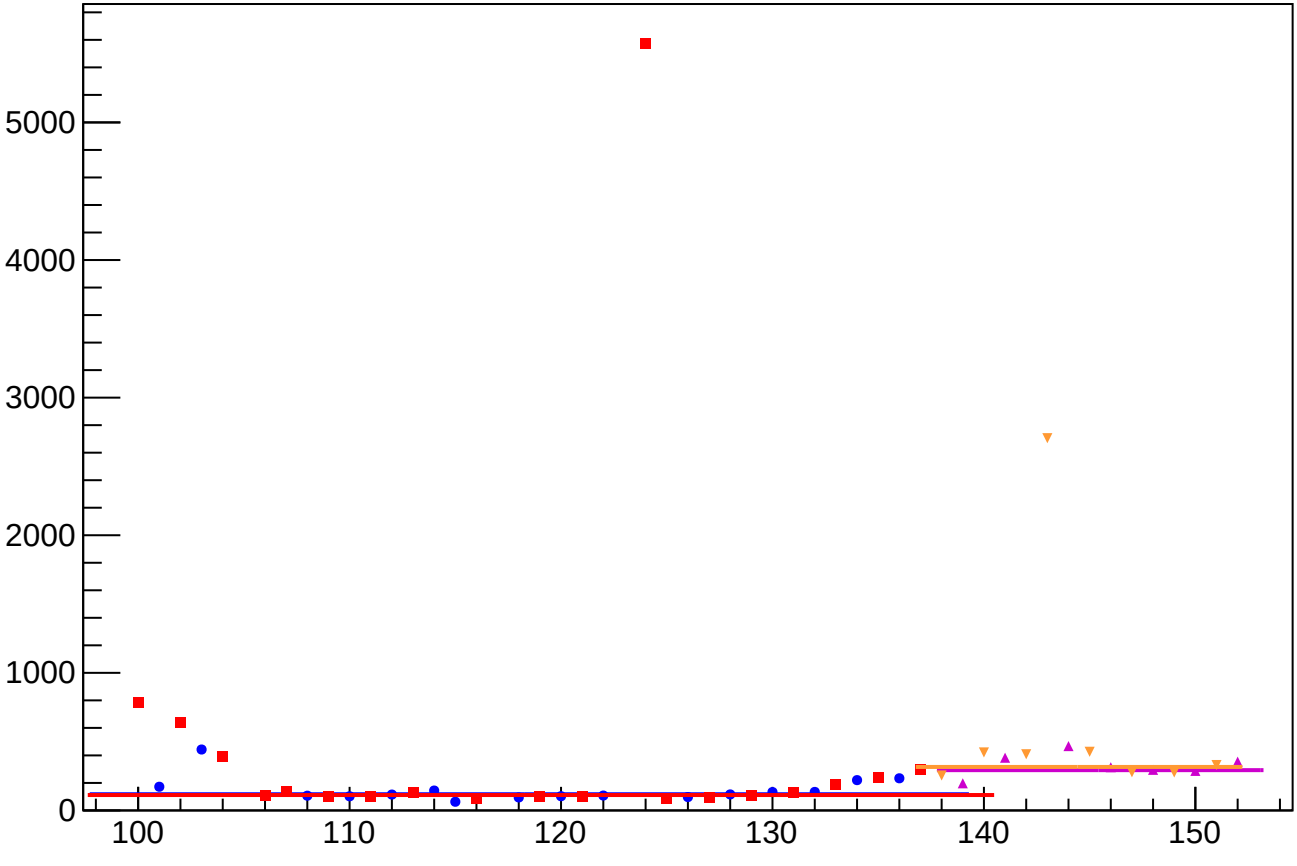
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.032+/-0.045 χ^2/NDF:22.7/22

Out: -0.037+/-0.044 χ^2/NDF:35.2/26

All: -0.003+/-0.031 χ^2/NDF: 59.1/49

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: 292.915+/-0.088 χ^2/NDF:756269.5/6

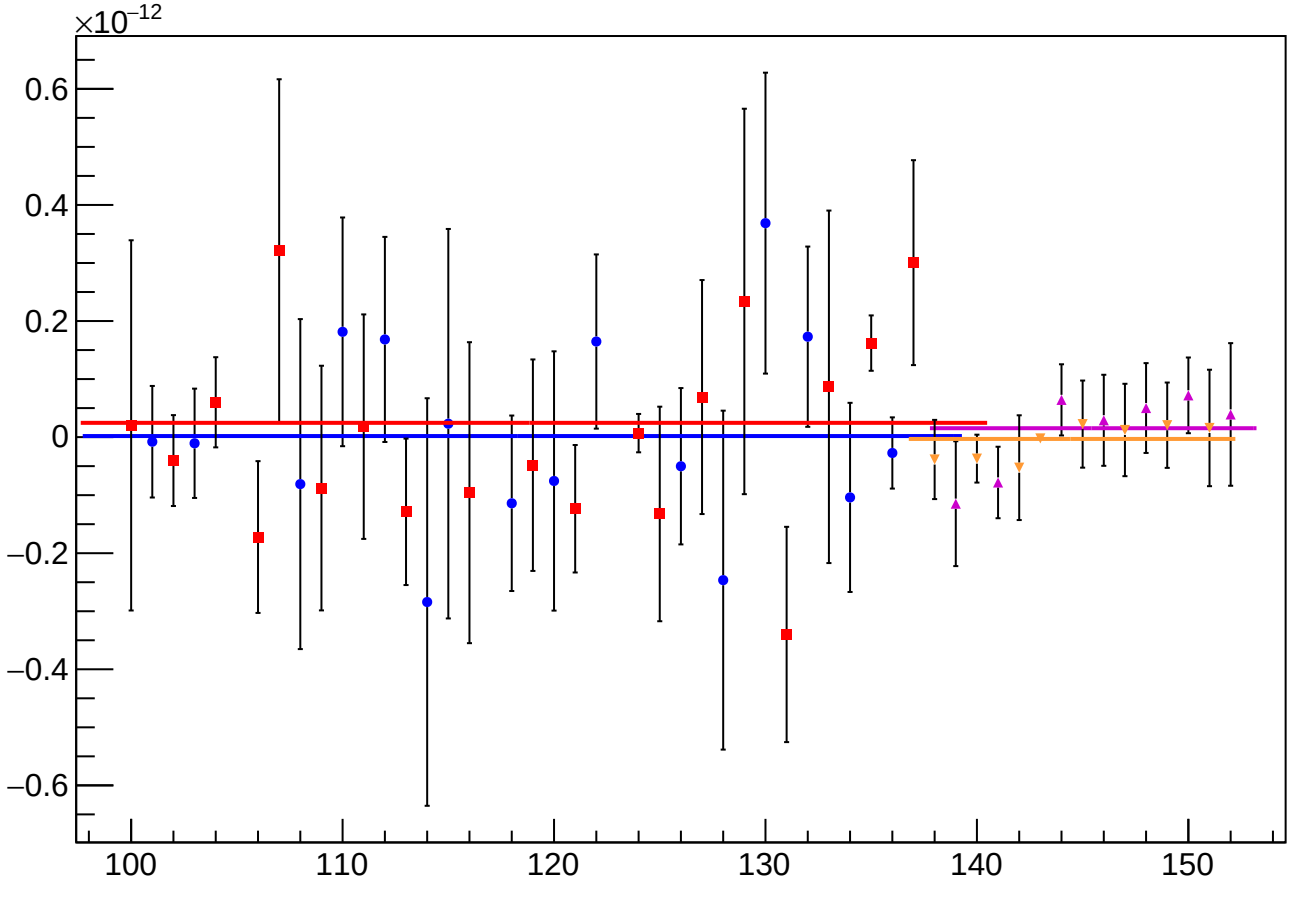
Left: 303.305+/-0.065 χ^2/NDF: 2469665.0/14

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 140.397+/-0.032 χ^2/NDF:5954861.0/22

Out: 133.159+/-0.031 χ^2/NDF:7780616.7/26

All: 136.752+/-0.022 χ^2/NDF: 13761909.5/49



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:5.4/6

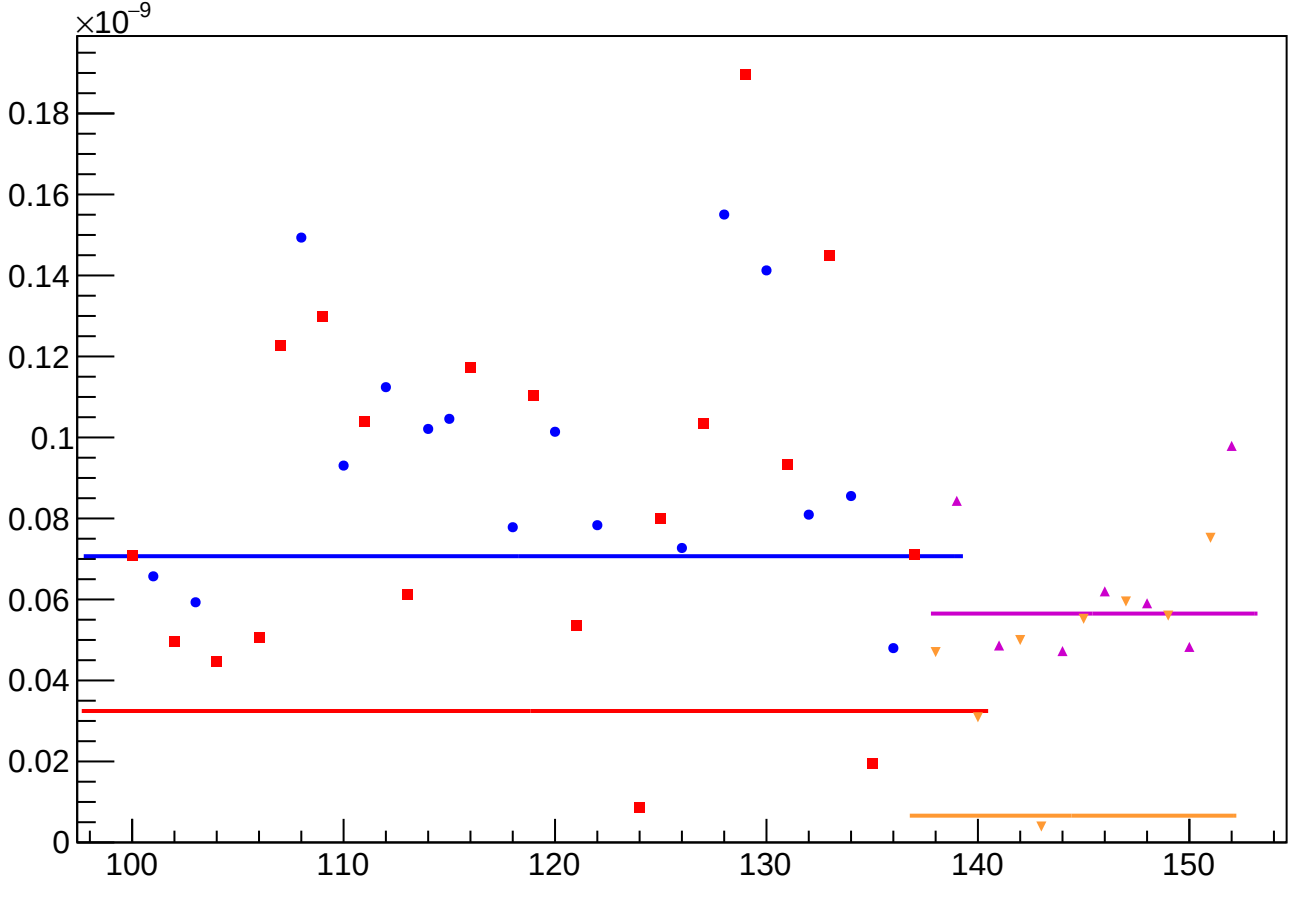
Left: -0.000+/-0.000 χ^2/NDF: 7.4/14

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:14.6/22

Out: -0.000+/-0.000 χ^2/NDF:27.3/26

All: -0.000+/-0.000 χ^2/NDF: 42.2/49



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:483289.4/6

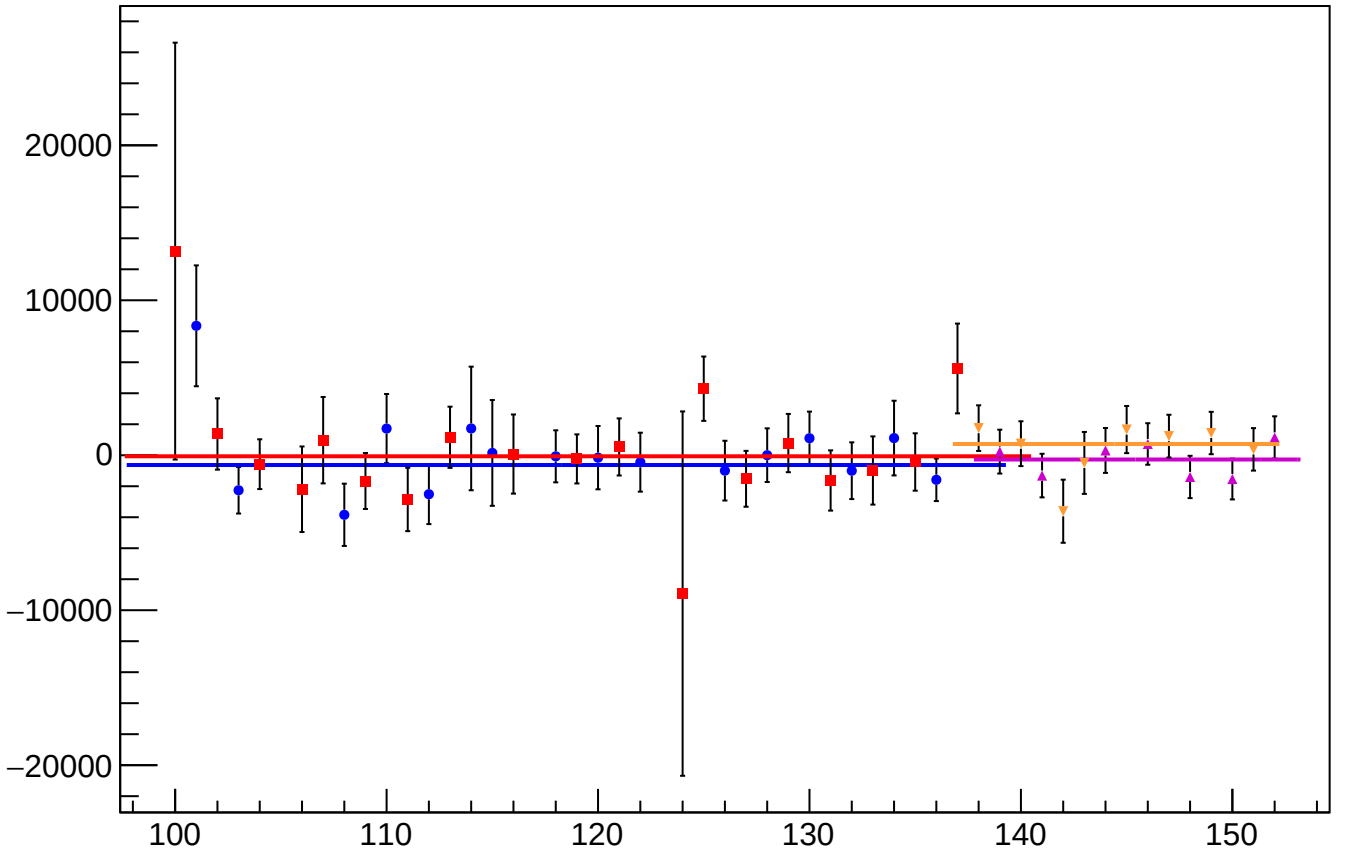
Left: 0.000+/-0.000 χ^2/NDF: 12135389.1/14

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:1708941.3/22

Out: 0.000+/-0.000 χ^2/NDF:12820601.2/26

All: 0.000+/-0.000 χ^2/NDF: 25629456.2/49



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: -274.938+/-520.586 χ^2/NDF:4.1/6

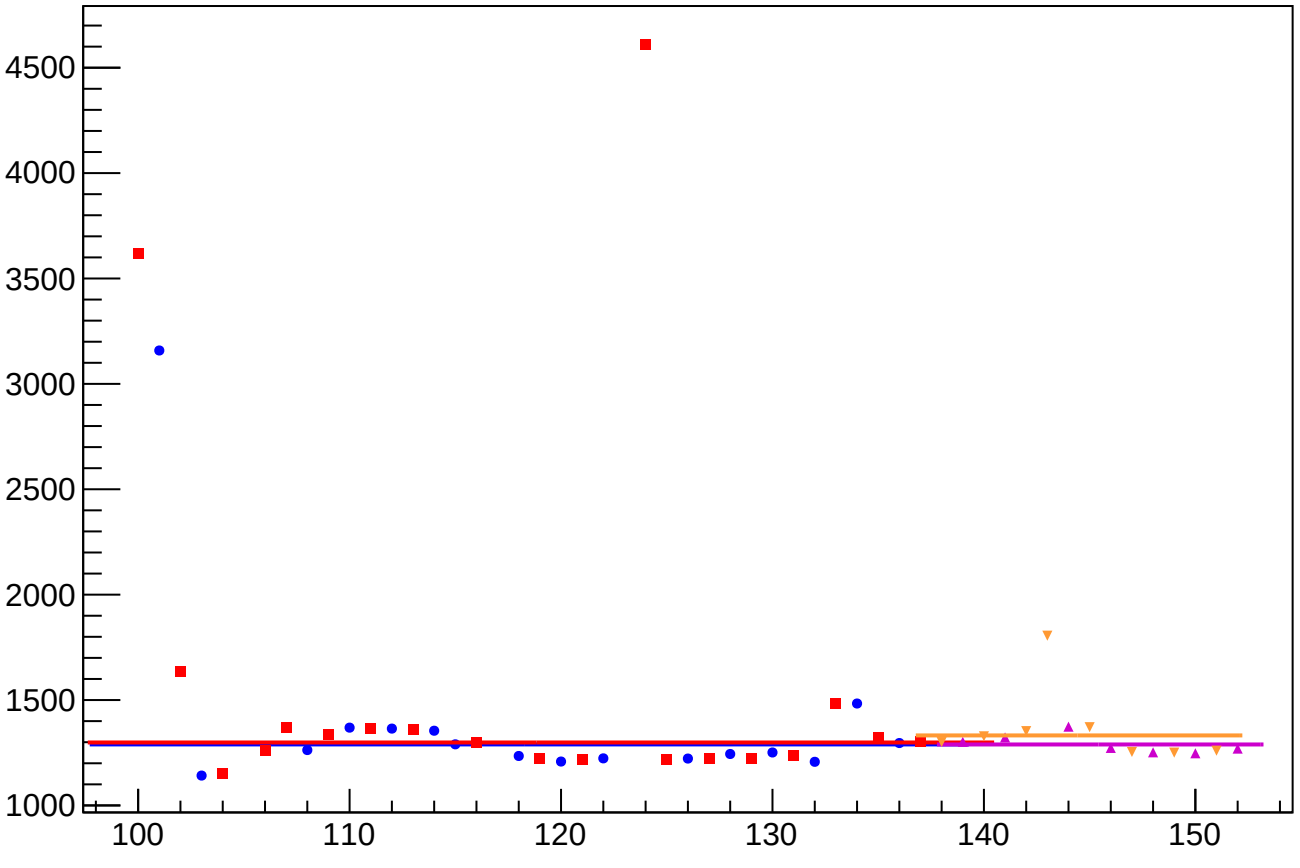
Left: 208.152+/-374.068 χ^2/NDF: 12.1/14

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -464.242+/-356.288 χ^2/NDF:18.2/22

Out: 289.526+/-361.316 χ^2/NDF:23.3/26

All: -92.639+/-253.693 χ^2/NDF: 43.7/49



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: 1289.223+/-0.368 χ^2/NDF:12310.3/6

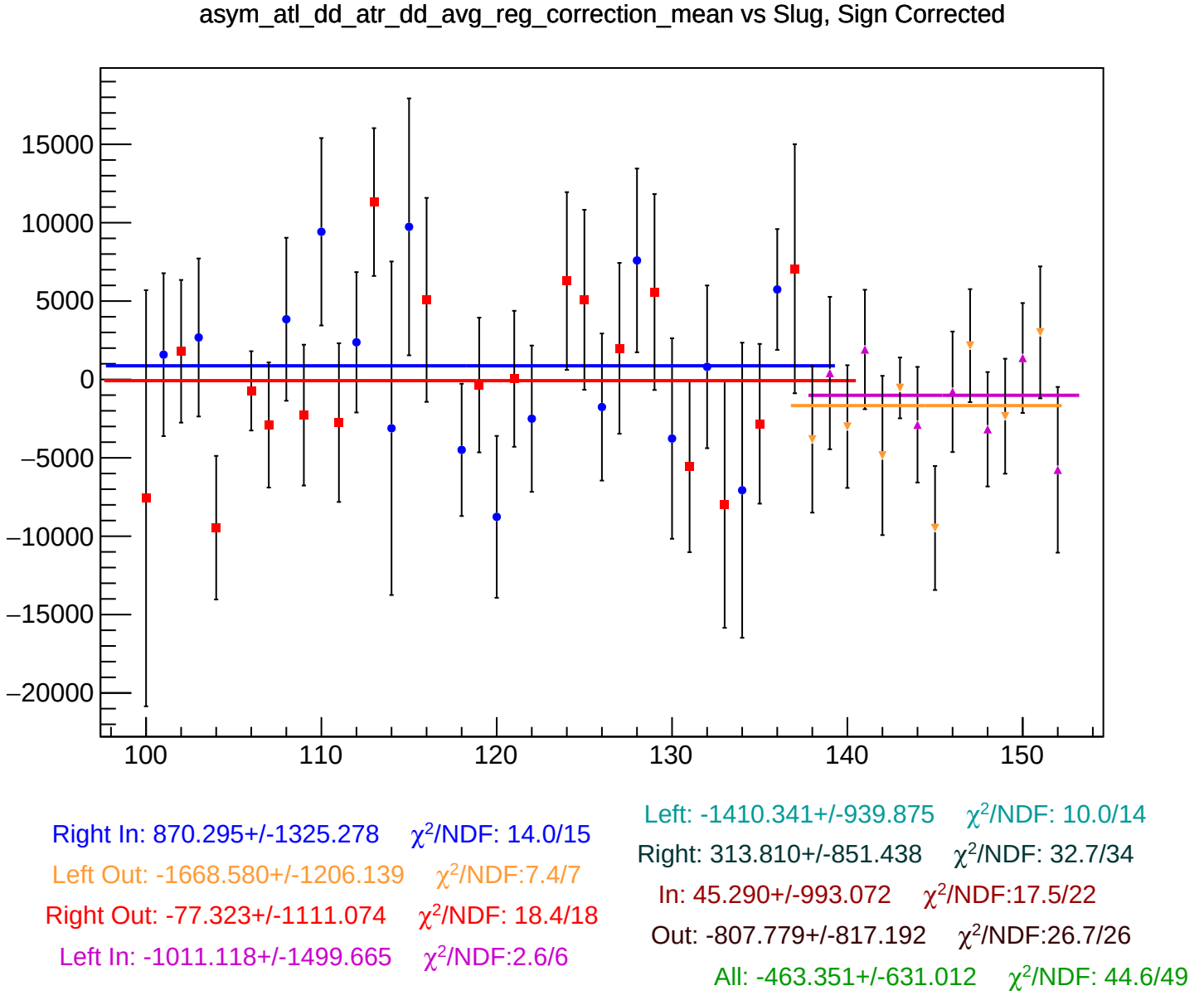
Left: 1310.004+/-0.265 χ^2/NDF: 152652.2/14

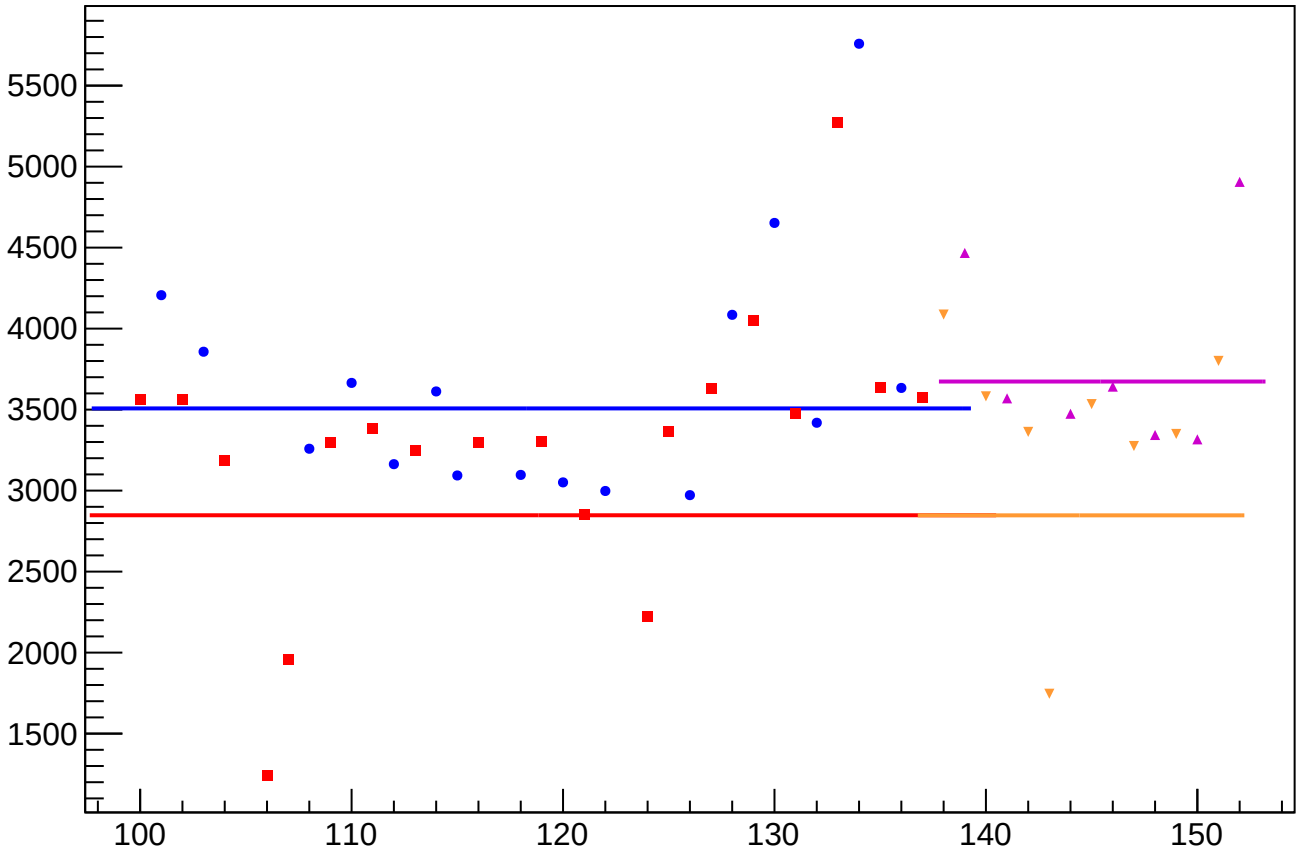
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1289.352+/-0.252 χ^2/NDF:526985.6/22

Out: 1313.744+/-0.255 χ^2/NDF:457403.1/26

All: 1301.395+/-0.179 χ^2/NDF: 989016.6/49


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: -1011.118+/-1499.665 χ²/NDF:2.6/6
Left: -1410.341+/-939.875 χ²/NDF: 10.0/14
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 45.290+/-993.072 χ²/NDF:17.5/22
Out: -807.779+/-817.192 χ²/NDF:26.7/26
All: -463.351+/-631.012 χ²/NDF: 44.6/49



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: 3673.333+/-1.060 χ^2/NDF:206565.8/6

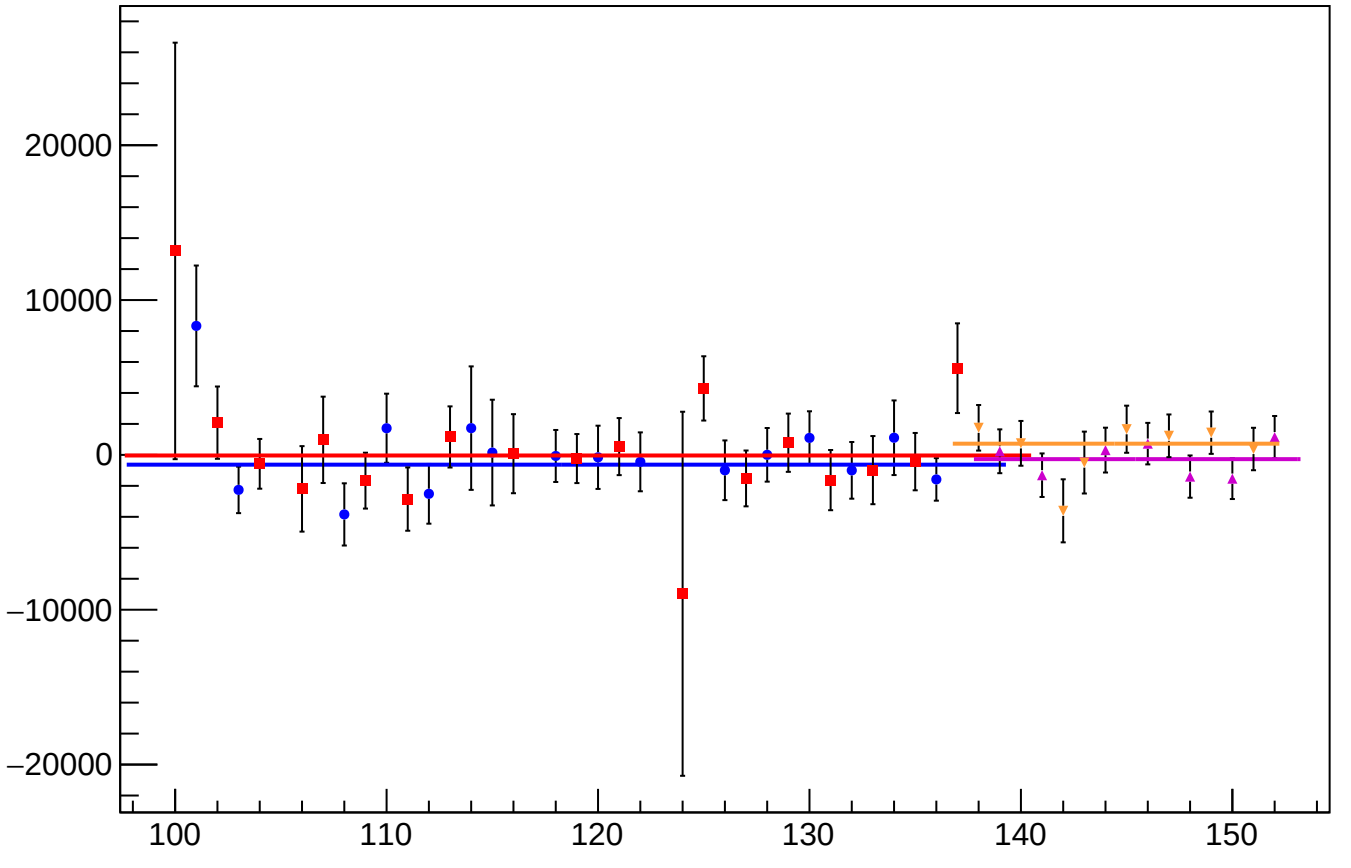
Left: 3171.757+/-0.665 χ^2/NDF: 1680182.8/14

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3580.160+/-0.702 χ^2/NDF:574293.8/22

Out: 2847.593+/-0.578 χ^2/NDF:2604549.0/26

All: 3143.368+/-0.446 χ^2/NDF: 3827761.8/49



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: -274.899+/-520.586 χ^2/NDF:4.1/6

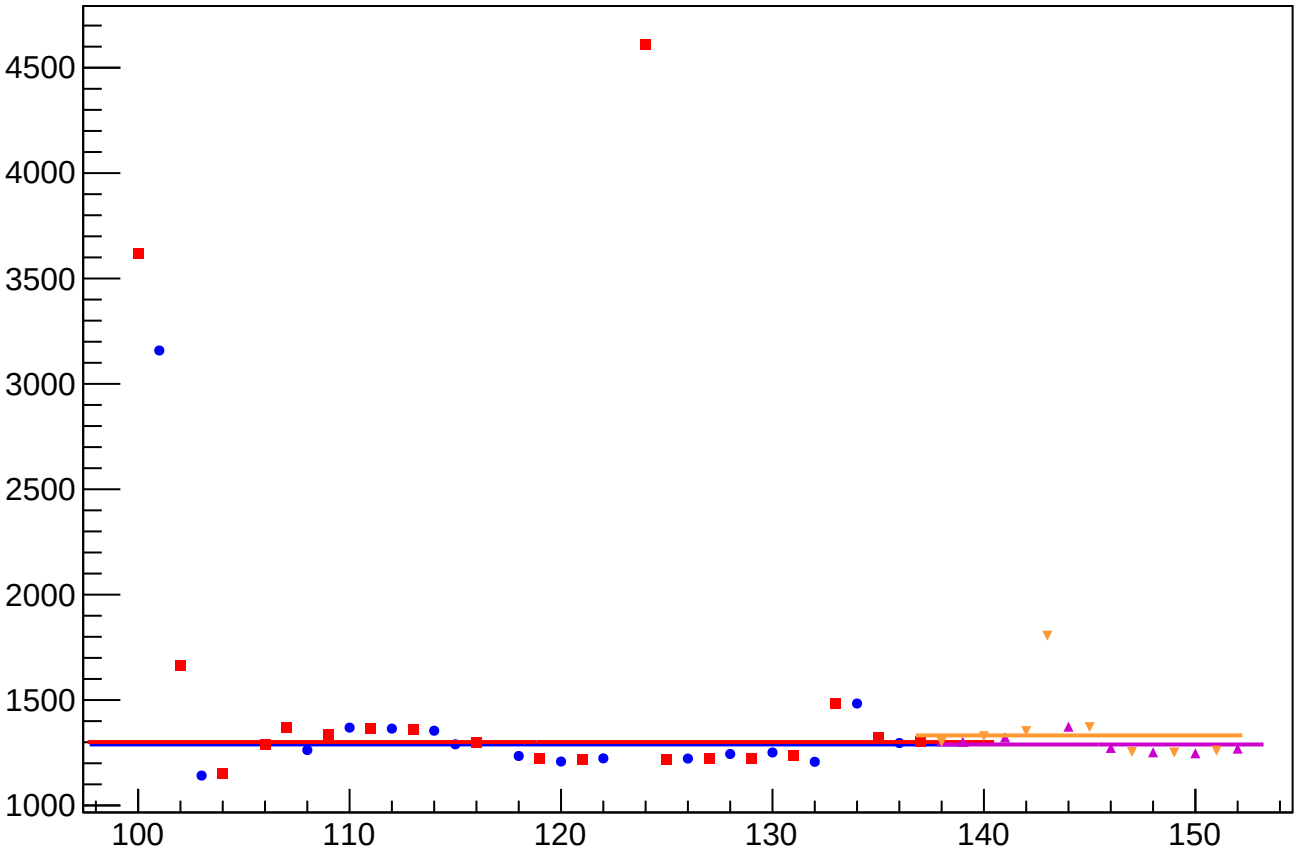
Left: 208.157+/-374.068 χ^2/NDF: 12.1/14

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -464.428+/-356.288 χ^2/NDF:18.2/22

Out: 305.686+/-361.448 χ^2/NDF:23.7/26

All: -84.907+/-253.738 χ^2/NDF: 44.2/49



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: 1289.223+/-0.368 χ^2/NDF:12310.3/6

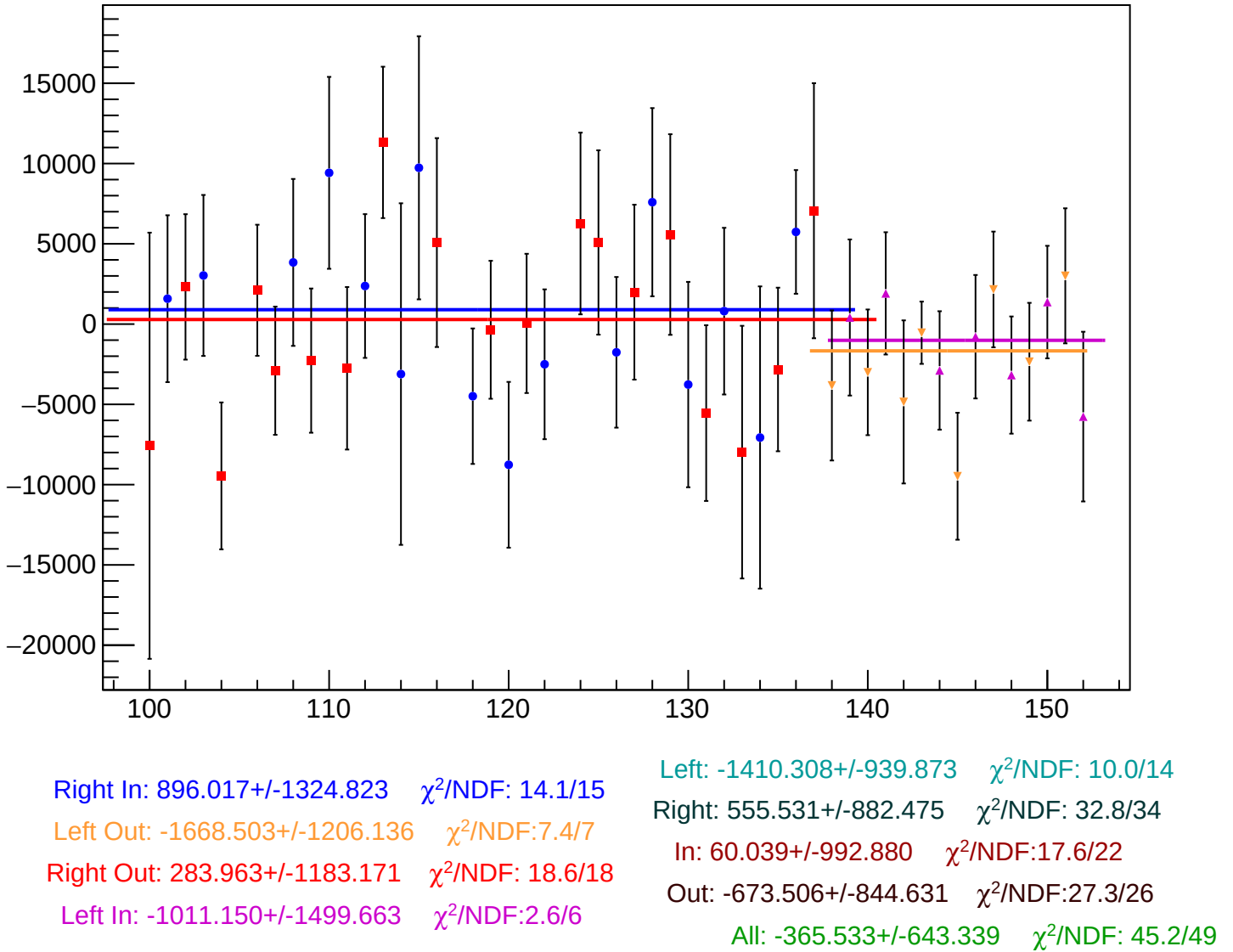
Left: 1310.004+/-0.265 χ^2/NDF: 152652.2/14

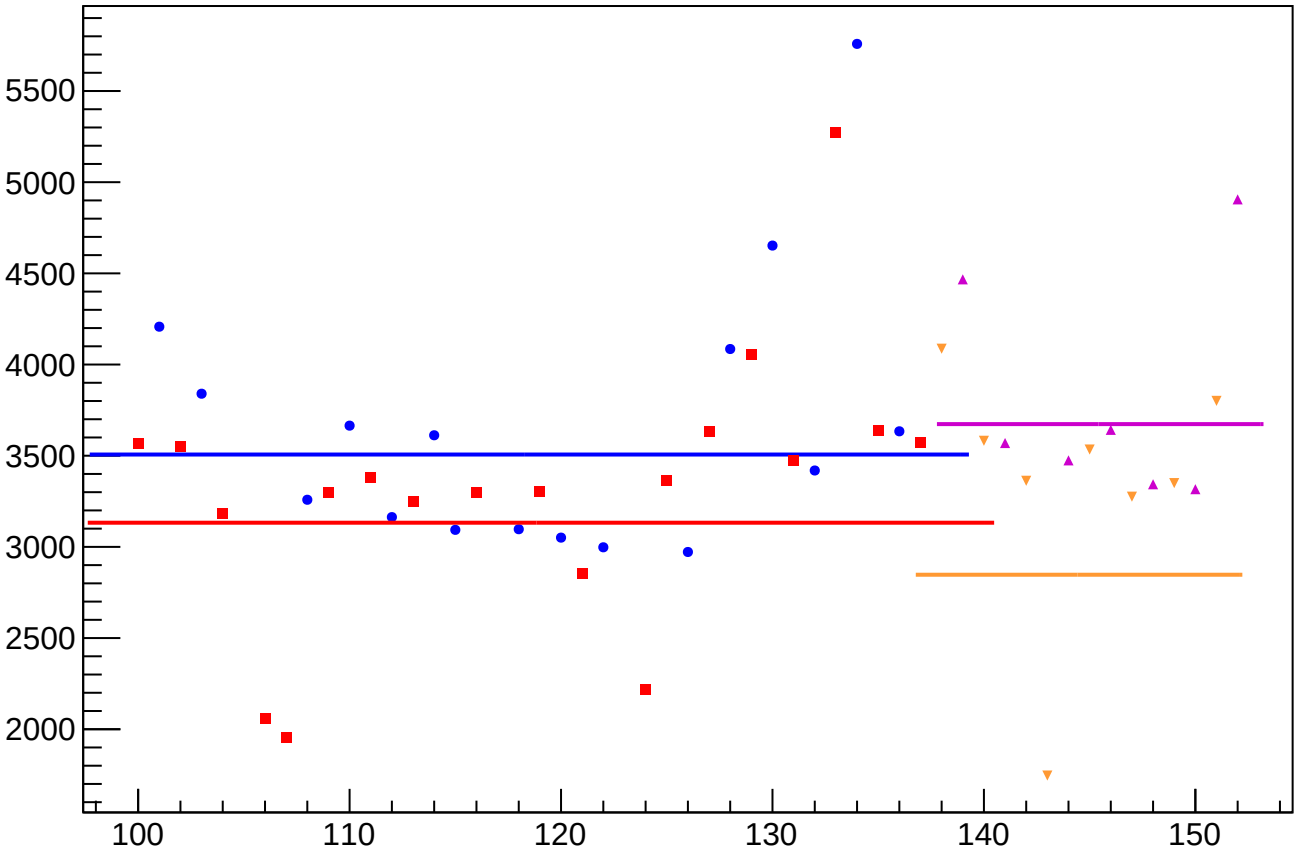
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.352+/-0.252 χ^2/NDF:526987.0/22

Out: 1314.882+/-0.255 χ^2/NDF:463429.4/26

All: 1301.946+/-0.179 χ^2/NDF: 995482.2/49


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: -1011.150+/-1499.663 χ²/NDF:2.6/6
Left: -1410.308+/-939.873 χ²/NDF: 10.0/14
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 60.039+/-992.880 χ²/NDF:17.6/22
Out: -673.506+/-844.631 χ²/NDF:27.3/26
All: -365.533+/-643.339 χ²/NDF: 45.2/49



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: 3673.328+/-1.060 χ^2/NDF:206566.1/6

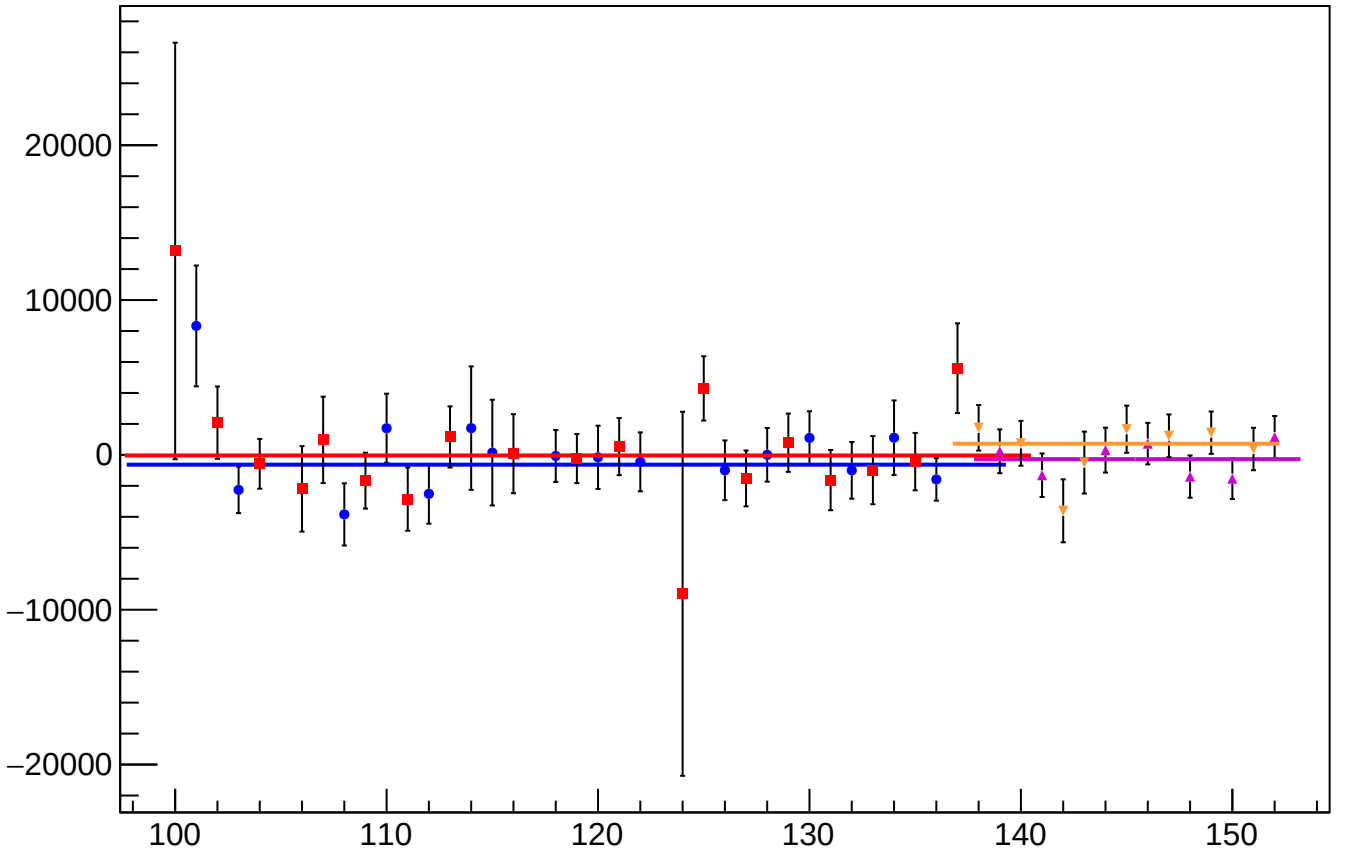
Left: 3171.749+/-0.665 χ^2/NDF: 1680208.8/14

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3579.617+/-0.702 χ^2/NDF:573707.8/22

Out: 2992.685+/-0.597 χ^2/NDF:1811827.0/26

All: 3239.104+/-0.455 χ^2/NDF: 2791004.1/49



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: -274.899+/-520.586 χ^2/NDF:4.1/6

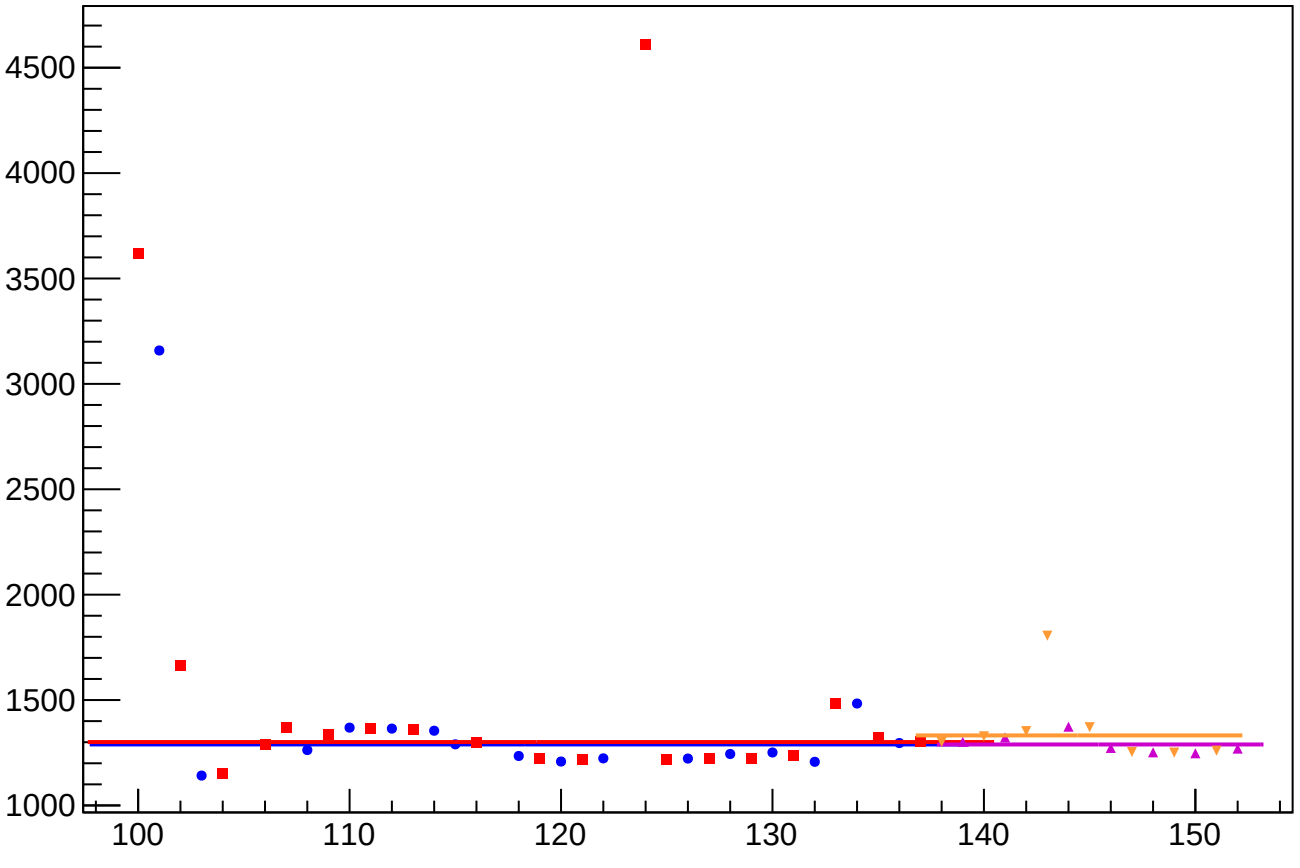
Left: 208.157+/-374.068 χ^2/NDF: 12.1/14

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

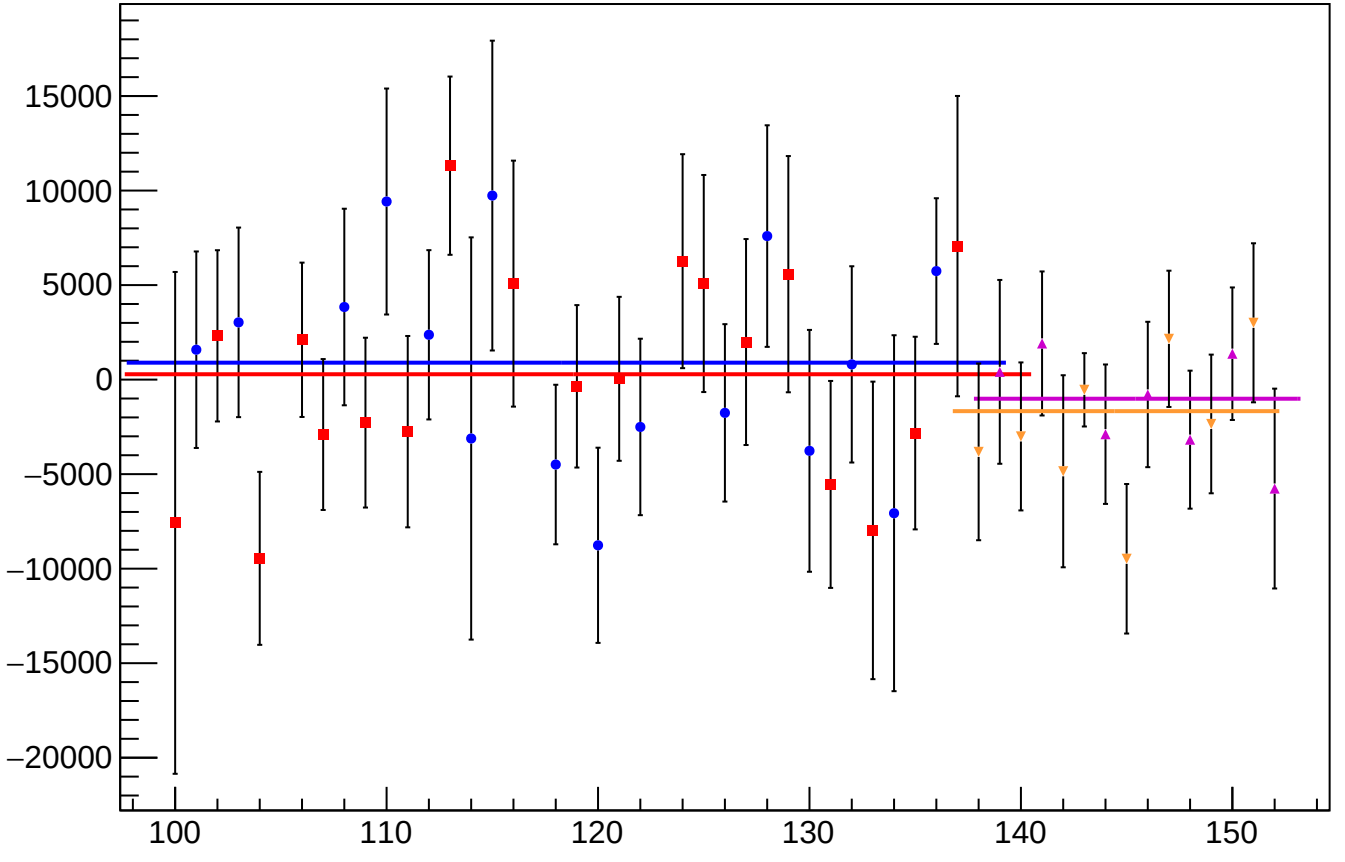
In: -464.428+/-356.288 χ^2/NDF:18.2/22

Out: 305.686+/-361.448 χ^2/NDF:23.7/26

All: -84.907+/-253.738 χ^2/NDF: 44.2/49


eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 1289.466+/-0.346 χ²/NDF: 514676.5/15
Left Out: 1332.187+/-0.380 χ²/NDF:133752.8/7
Right Out: 1300.684+/-0.344 χ²/NDF: 325907.6/18
Left In: 1289.223+/-0.368 χ²/NDF:12310.3/6
Left: 1310.004+/-0.265 χ²/NDF: 152652.2/14
Right: 1295.092+/-0.244 χ²/NDF: 841112.8/34
In: 1289.352+/-0.252 χ²/NDF:526987.0/22
Out: 1314.882+/-0.255 χ²/NDF:463429.4/26
All: 1301.946+/-0.179 χ²/NDF: 995482.2/49

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: -1011.150+/-1499.663 χ^2/NDF:2.6/6

Left: -1410.308+/-939.873 χ^2/NDF: 10.0/14

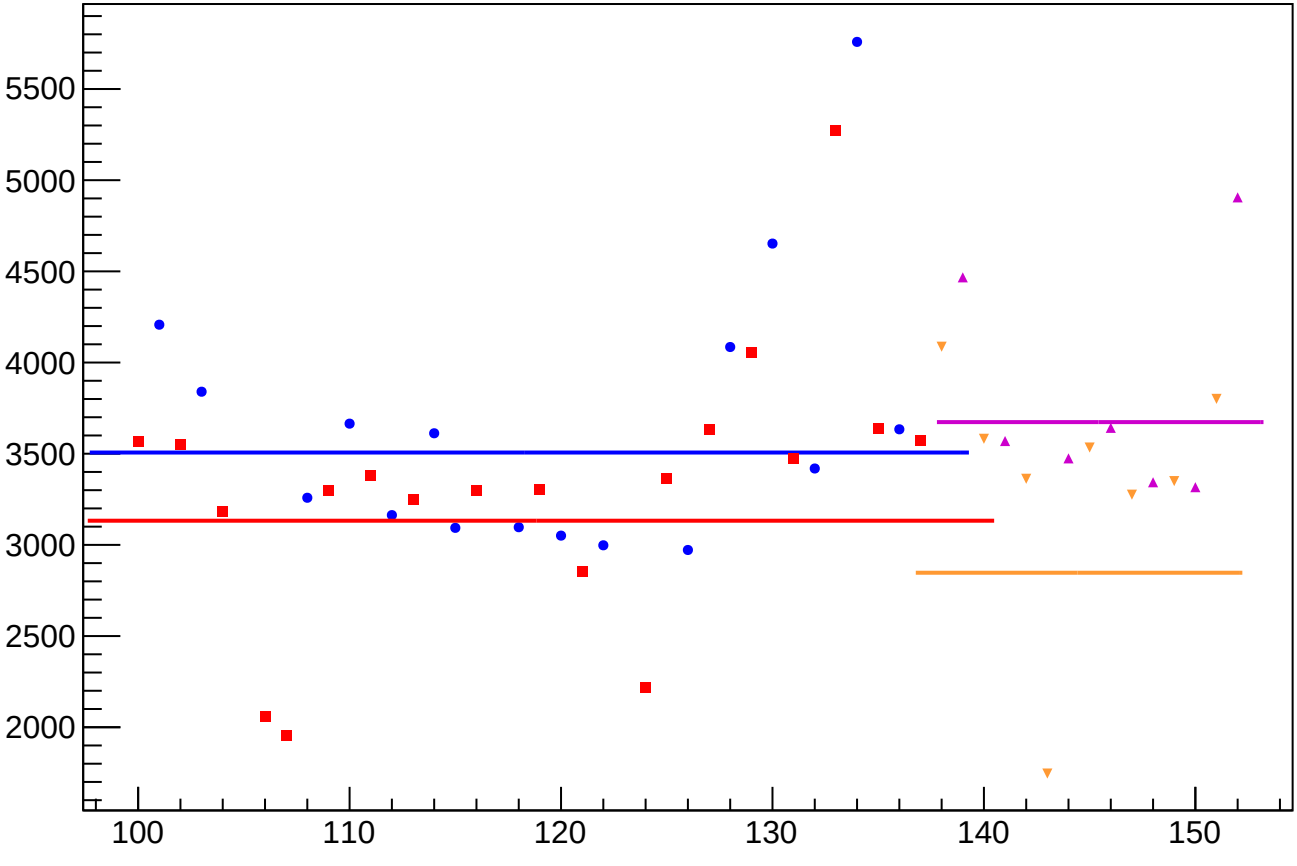
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 60.039+/-992.880 χ^2/NDF:17.6/22

Out: -673.506+/-844.631 χ^2/NDF:27.3/26

All: -365.533+/-643.339 χ^2/NDF: 45.2/49

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: 3673.328+/-1.060 χ^2/NDF:206566.1/6

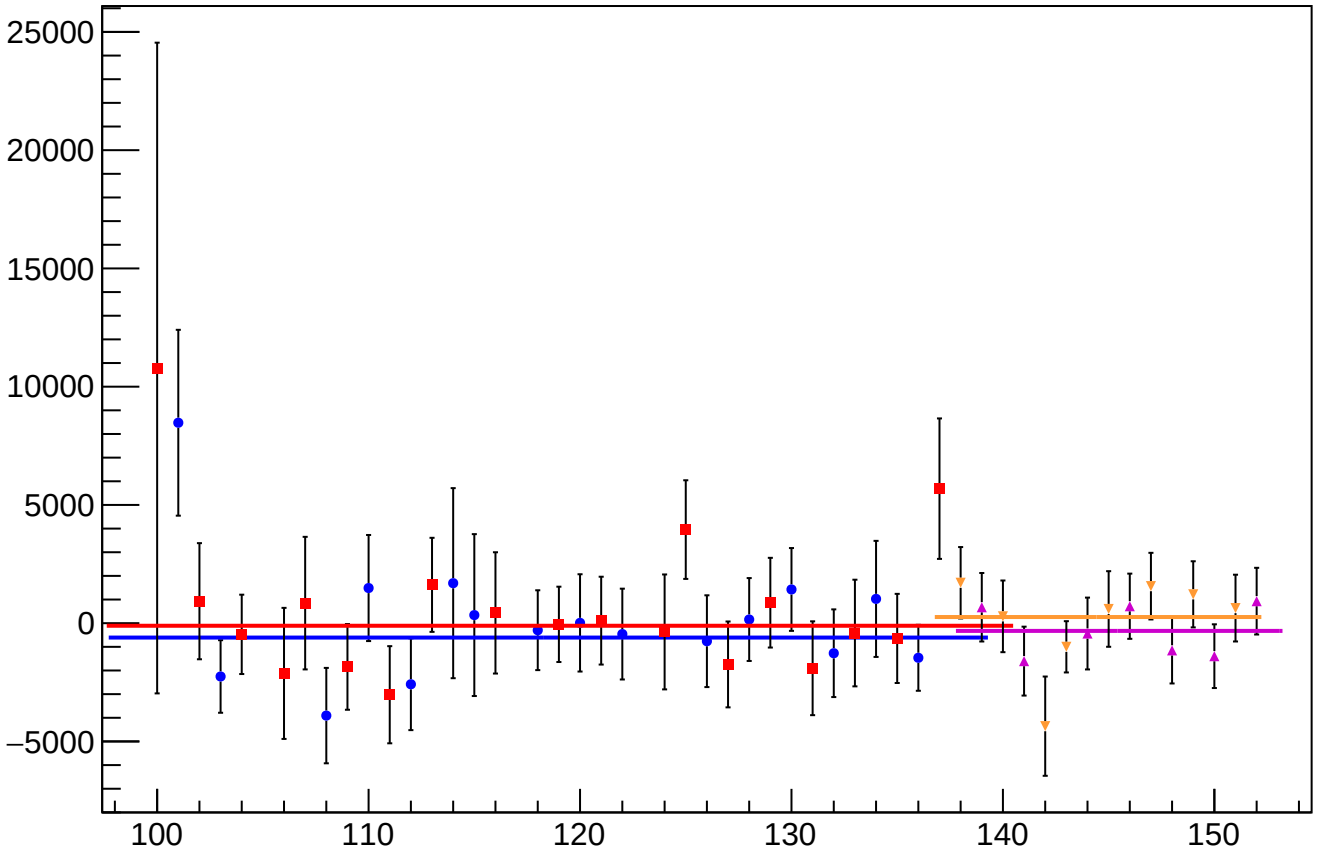
Left: 3171.749+/-0.665 χ^2/NDF: 1680208.8/14

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3579.617+/-0.702 χ^2/NDF:573707.8/22

Out: 2992.685+/-0.597 χ^2/NDF:1811827.0/26

All: 3239.104+/-0.455 χ^2/NDF: 2791004.1/49



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: -326.169+/-536.661 χ^2/NDF:3.6/6

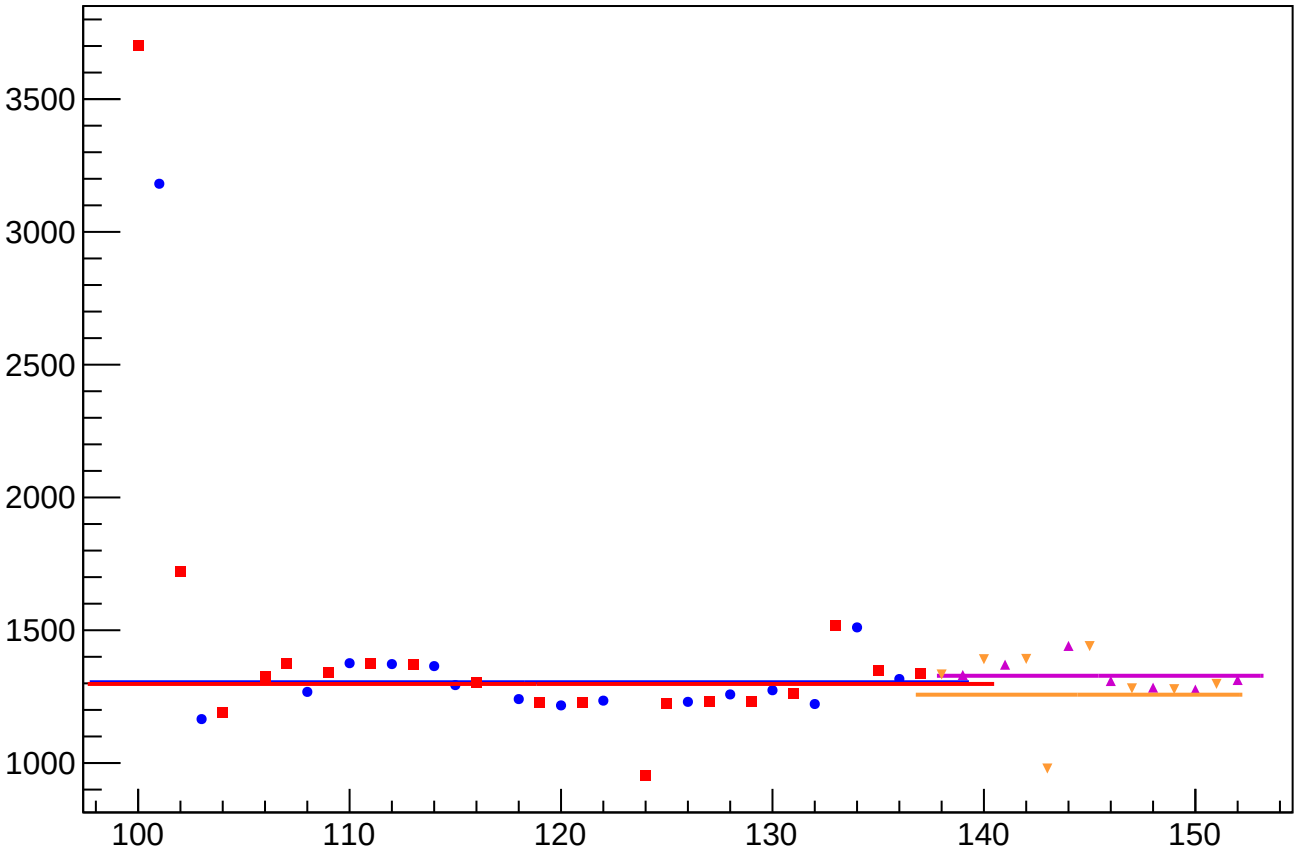
Left: -17.252+/-369.268 χ^2/NDF: 12.8/14

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -478.587+/-363.531 χ^2/NDF:17.8/22

Out: 67.296+/-351.299 χ^2/NDF:23.7/26

All: -196.307+/-252.619 χ^2/NDF: 42.7/49



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: 1328.595+/-0.379 χ^2/NDF:18306.6/6

Left: 1291.072+/-0.261 χ^2/NDF: 226208.8/14

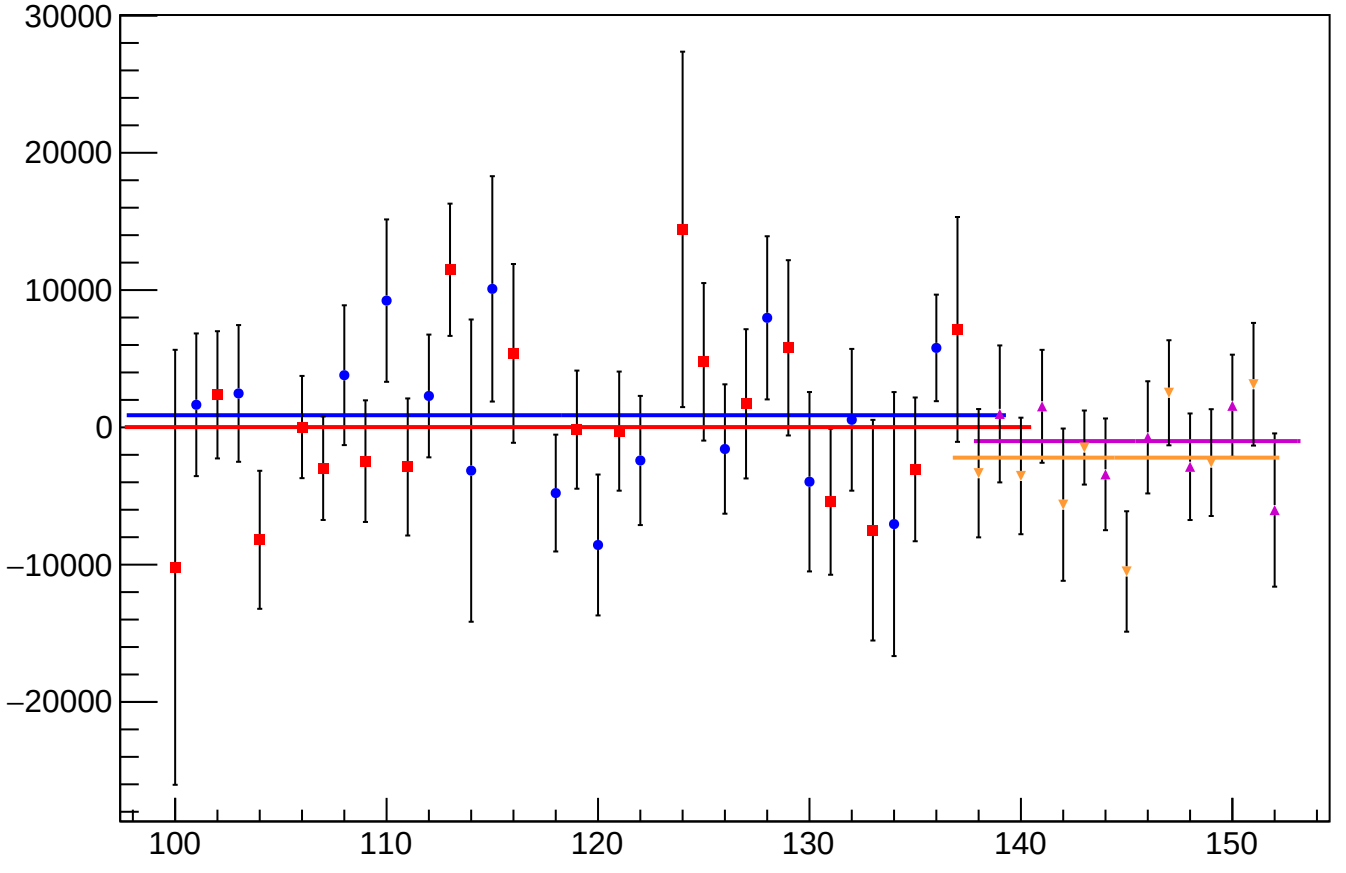
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1315.341+/-0.257 χ^2/NDF:531150.3/22

Out: 1278.528+/-0.248 χ^2/NDF:409053.9/26

All: 1296.298+/-0.179 χ^2/NDF: 950813.5/49

asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -2205.955+/-1403.445 χ^2/NDF:7.2/7

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1000.552+/-1600.800 χ^2/NDF:2.4/6

Left: -1682.098+/-1055.303 χ^2/NDF: 9.9/14

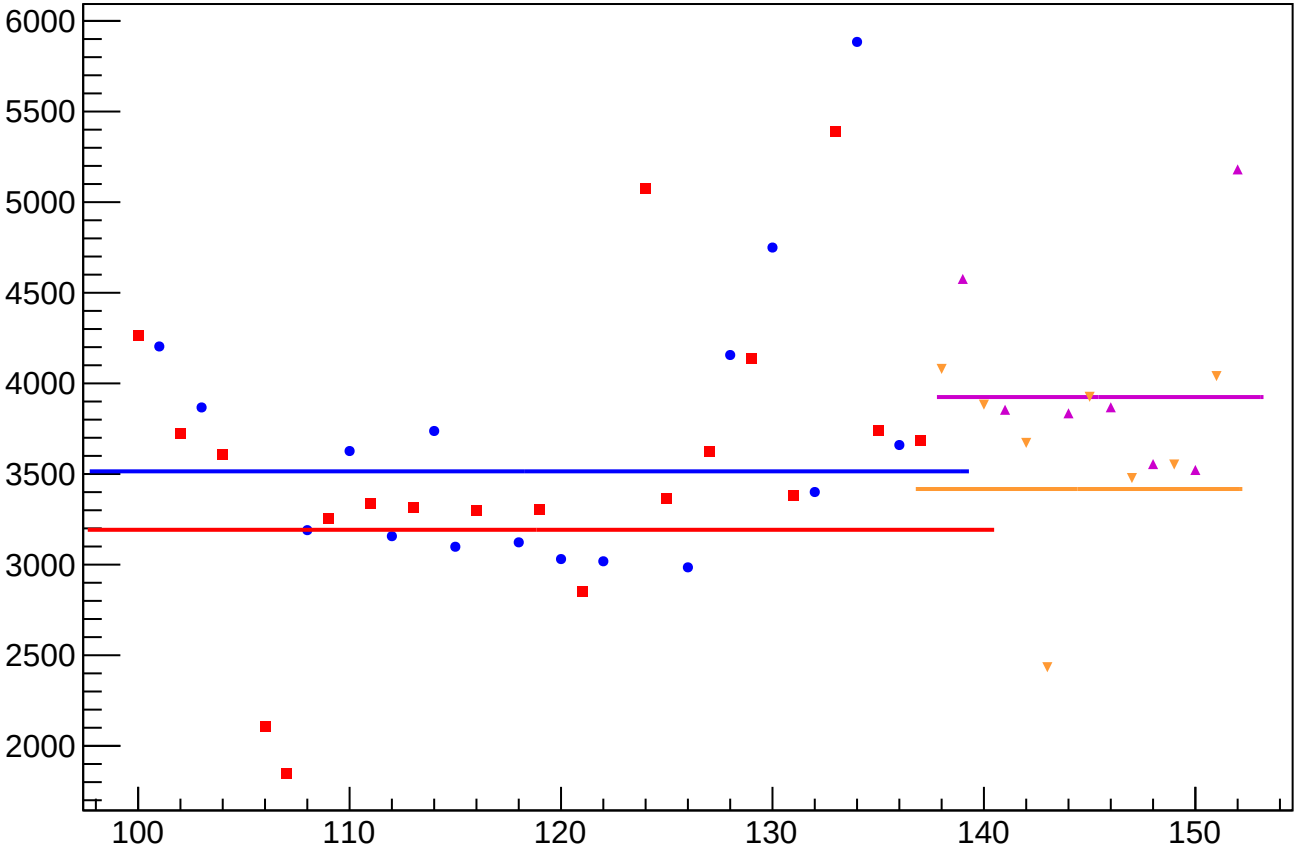
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 116.195+/-1021.805 χ^2/NDF:17.4/22

Out: -919.707+/-912.062 χ^2/NDF:25.4/26

All: -460.353+/-680.429 χ^2/NDF: 43.4/49

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: 3924.685+/-1.132 χ^2/NDF:178886.7/6

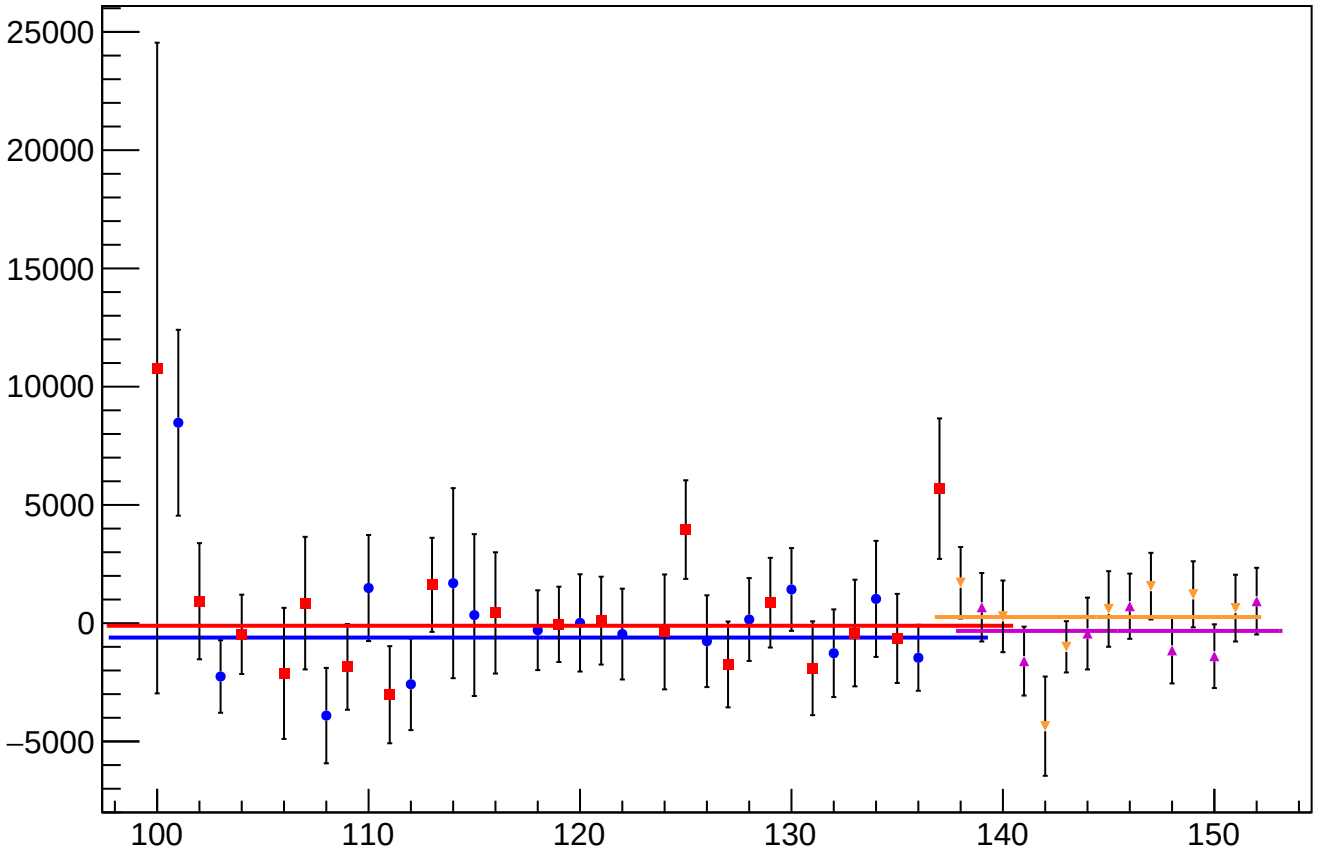
Left: 3637.799+/-0.746 χ^2/NDF: 695423.7/14

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3681.771+/-0.723 χ^2/NDF:631684.5/22

Out: 3287.266+/-0.645 χ^2/NDF:1205141.9/26

All: 3462.203+/-0.481 χ^2/NDF: 2002752.8/49



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: -326.168+/-536.661 χ^2/NDF:3.6/6

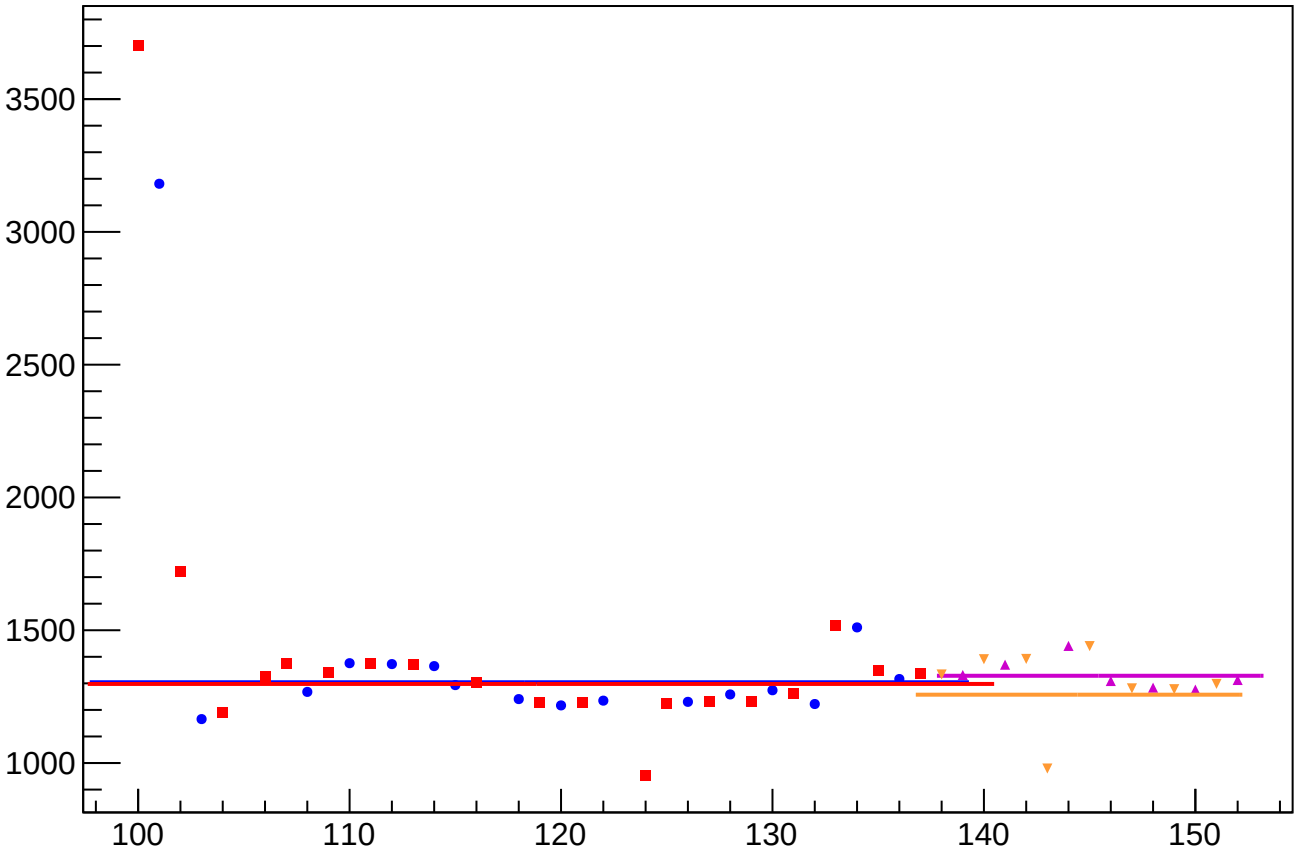
Left: -17.252+/-369.268 χ^2/NDF: 12.8/14

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -478.589+/-363.531 χ^2/NDF:17.8/22

Out: 67.292+/-351.299 χ^2/NDF:23.7/26

All: -196.310+/-252.619 χ^2/NDF: 42.7/49



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: 1328.596+/-0.379 χ^2/NDF:18306.7/6

Left: 1291.073+/-0.261 χ^2/NDF: 226209.1/14

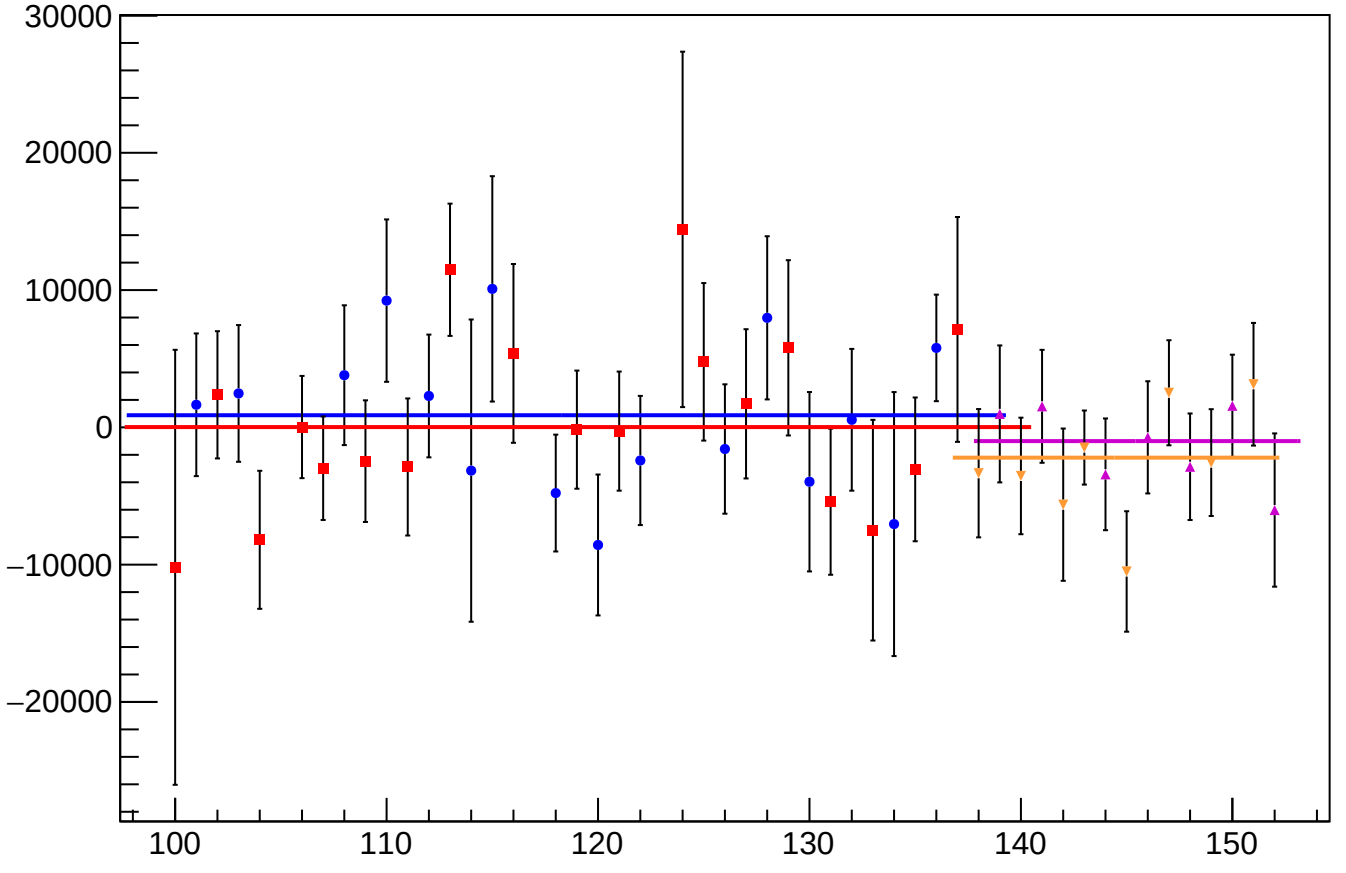
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1315.341+/-0.257 χ^2/NDF:531150.7/22

Out: 1278.529+/-0.248 χ^2/NDF:409053.9/26

All: 1296.298+/-0.179 χ^2/NDF: 950813.9/49

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: -1000.550+/-1600.802 χ^2/NDF:2.4/6

Left: -1682.097+/-1055.304 χ^2/NDF: 9.9/14

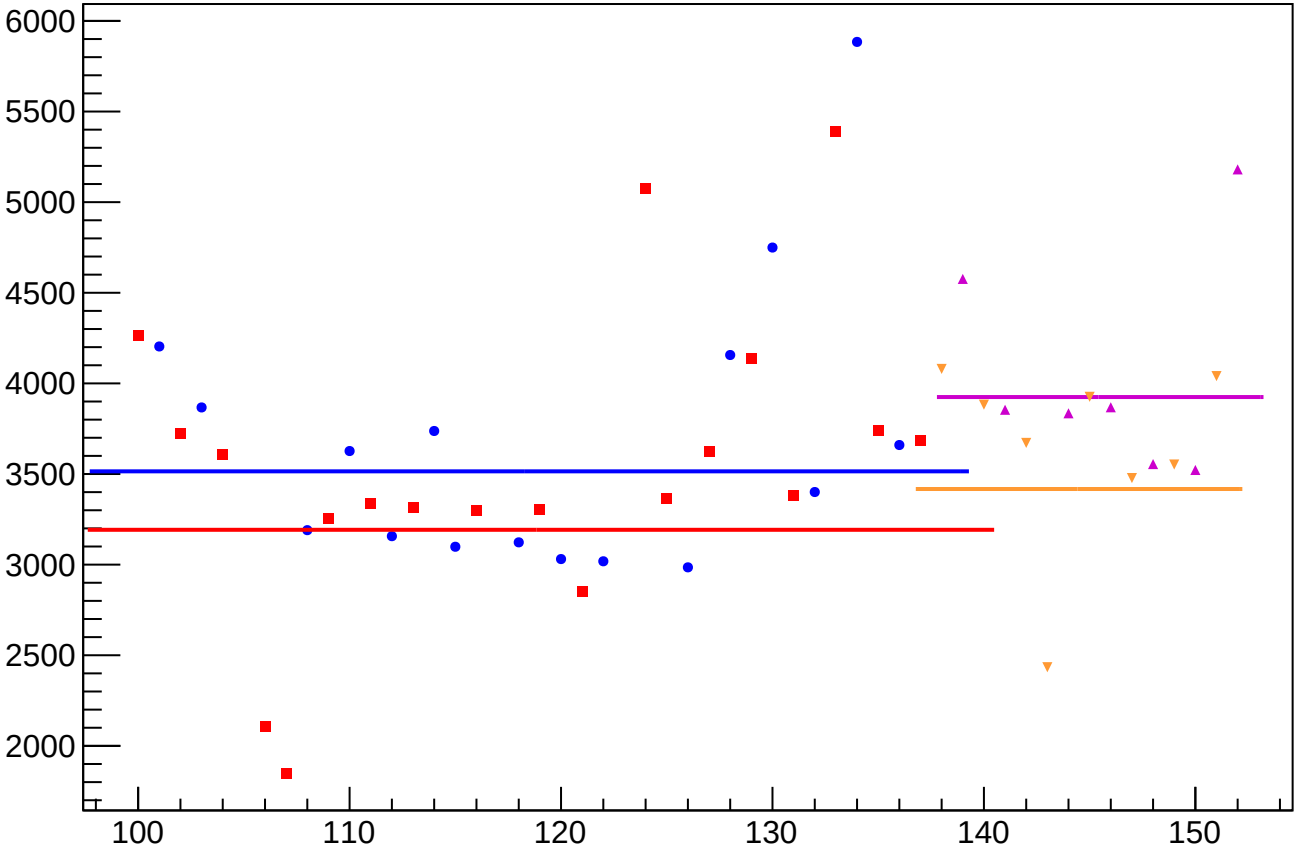
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 116.193+/-1021.804 χ^2/NDF:17.4/22

Out: -919.705+/-912.061 χ^2/NDF:25.4/26

All: -460.352+/-680.428 χ^2/NDF: 43.4/49

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: 3924.690+/-1.132 χ^2/NDF:178887.3/6

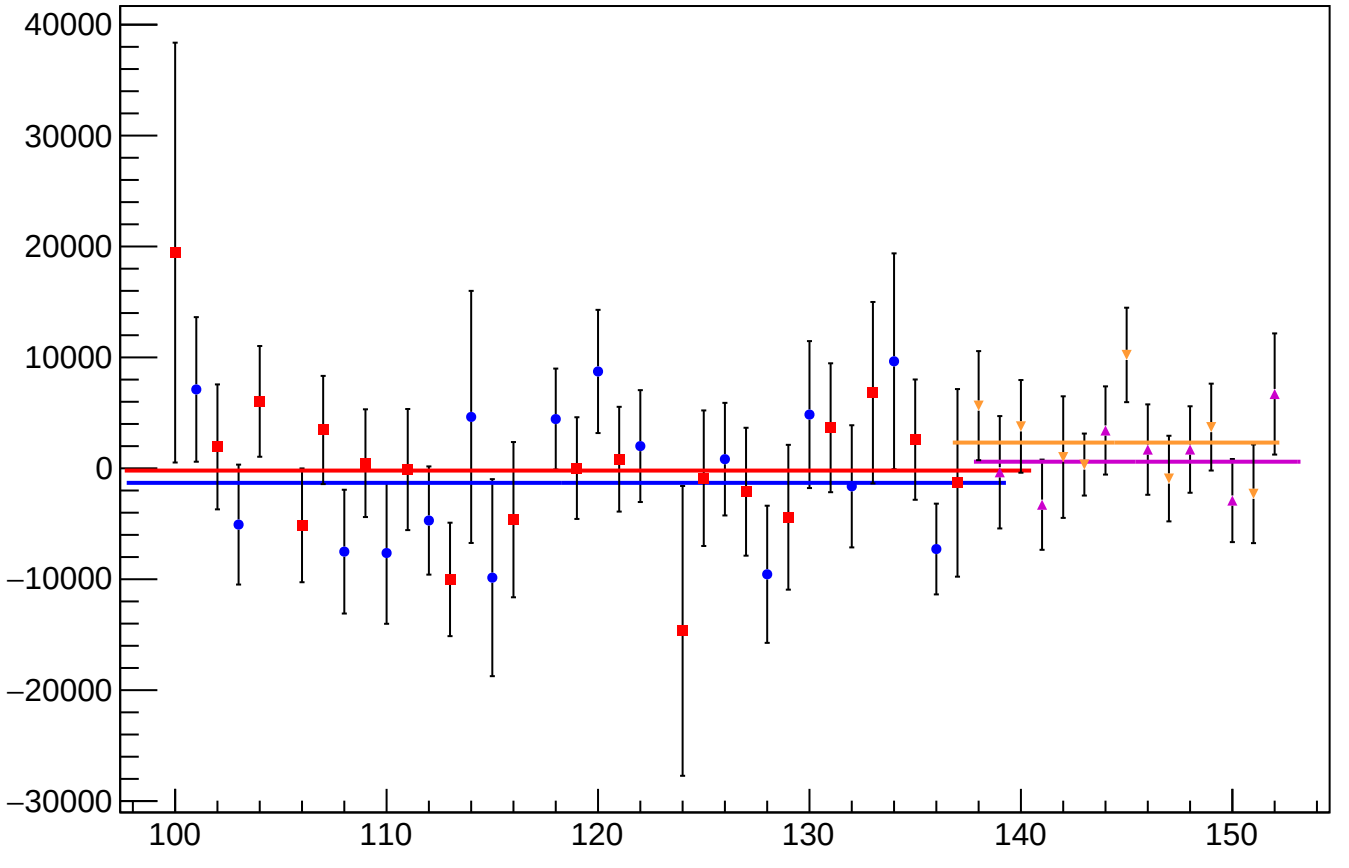
Left: 3637.804+/-0.746 χ^2/NDF: 695424.4/14

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3681.767+/-0.723 χ^2/NDF:631694.7/22

Out: 3287.263+/-0.645 χ^2/NDF:1205147.7/26

All: 3462.199+/-0.481 χ^2/NDF: 2002768.2/49



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: 596.327+/-1594.326 χ^2/NDF:3.7/6

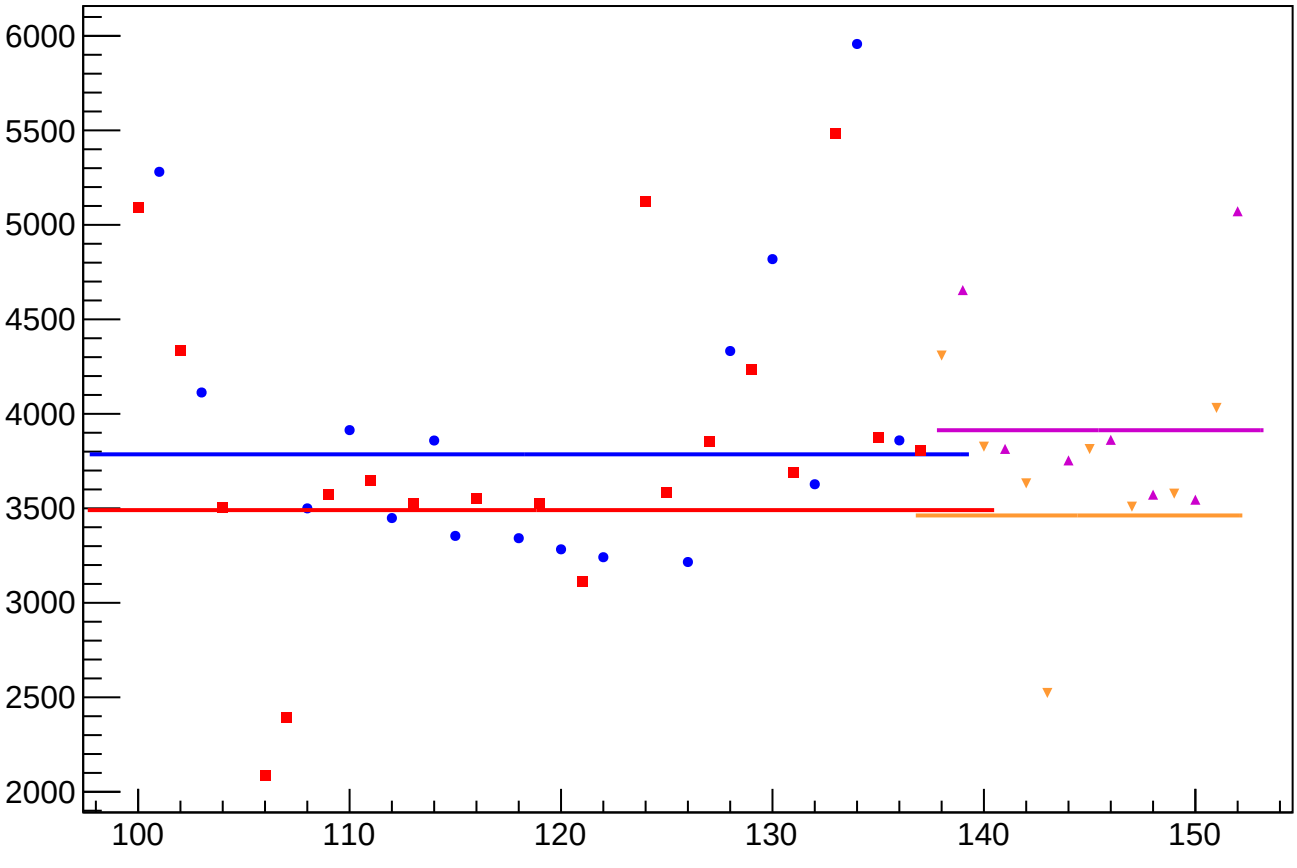
Left: 1559.944+/-1059.230 χ^2/NDF: 10.9/14

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -458.682+/-1065.203 χ^2/NDF:22.1/22

Out: 985.581+/-972.165 χ^2/NDF:19.8/26

All: 329.266+/-718.068 χ^2/NDF: 42.9/49



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: 3913.340+/-1.127 χ^2/NDF:172116.9/6

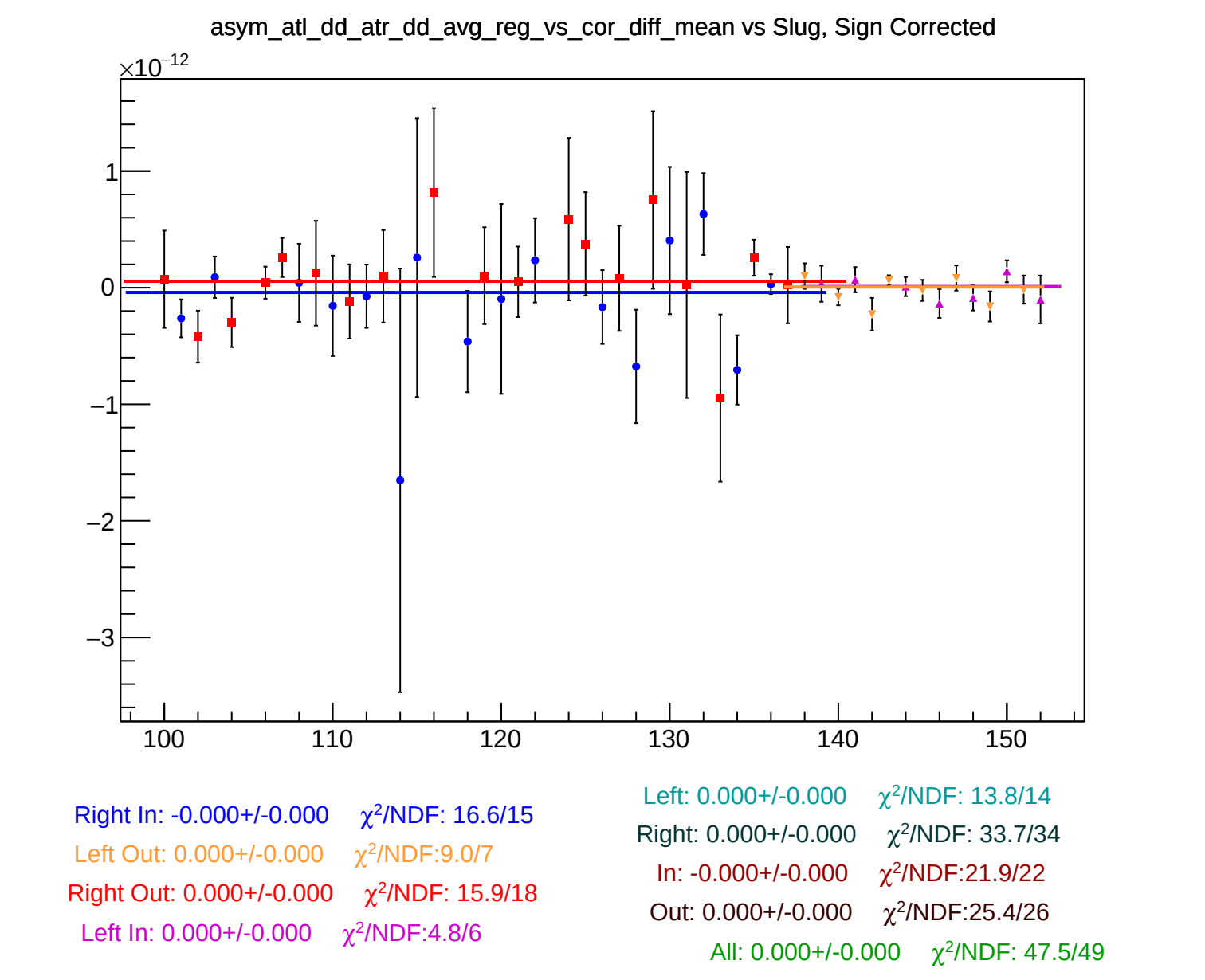
Left: 3661.409+/-0.749 χ^2/NDF: 612001.9/14

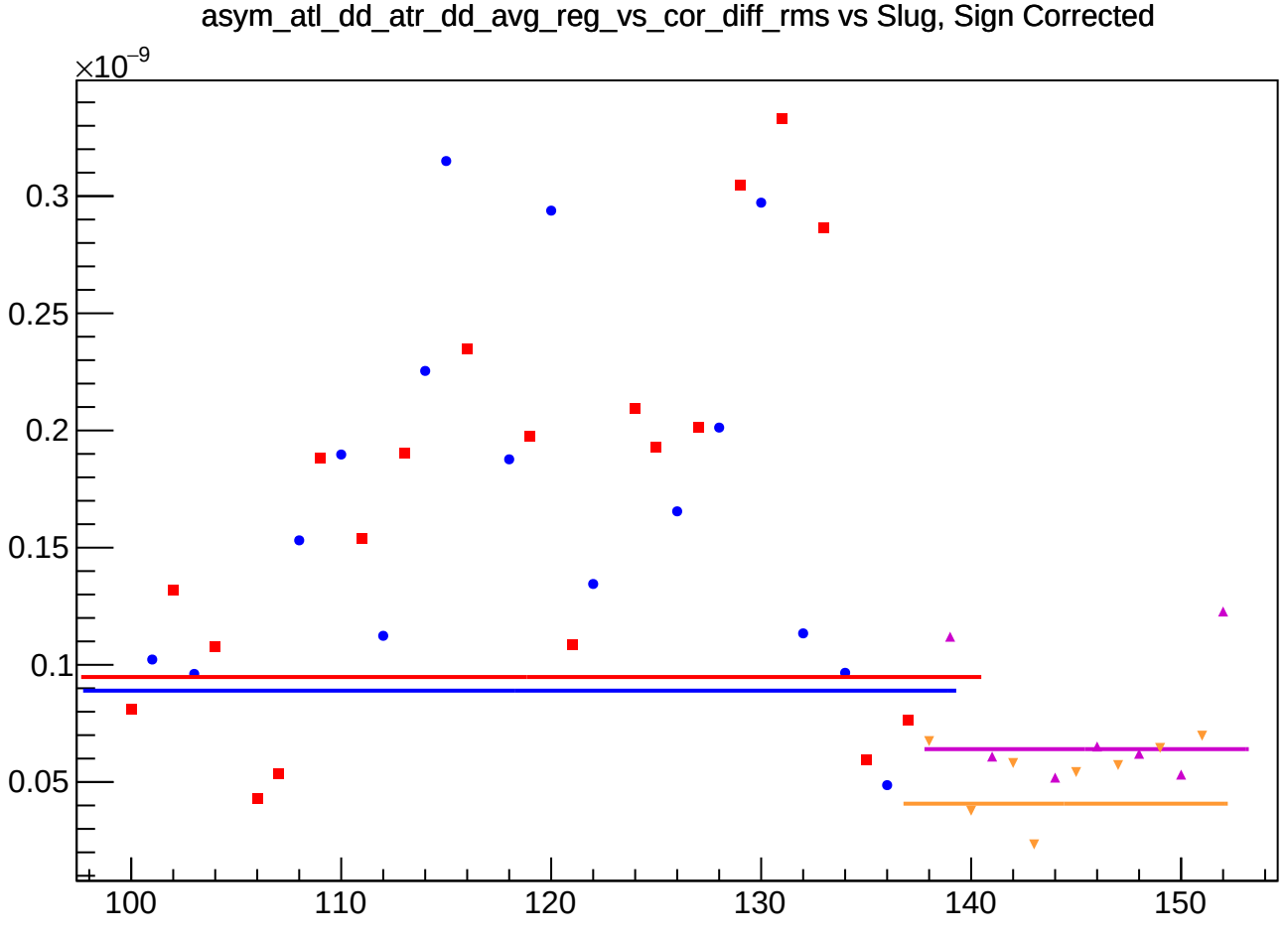
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3842.717+/-0.753 χ^2/NDF:562198.3/22

Out: 3477.503+/-0.682 χ^2/NDF:937628.2/26

All: 3642.144+/-0.506 χ^2/NDF: 1628944.9/49


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:4.8/6
Left: 0.000+/-0.000 χ²/NDF: 13.8/14
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: -0.000+/-0.000 χ²/NDF:21.9/22
Out: 0.000+/-0.000 χ²/NDF:25.4/26
All: 0.000+/-0.000 χ²/NDF: 47.5/49



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:428699.4/6

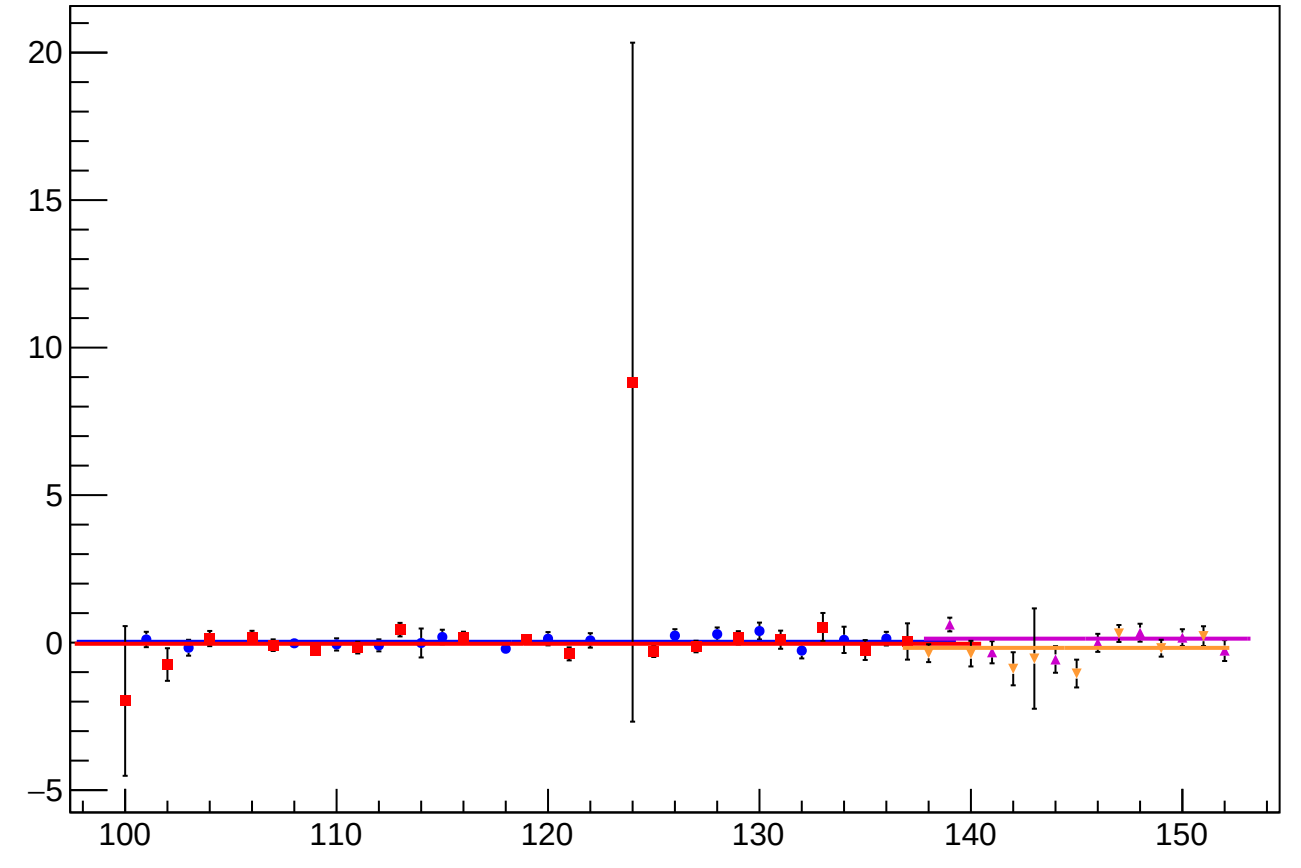
Left: 0.000+/-0.000 χ^2/NDF: 1583567.1/14

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2126559.2/22

Out: 0.000+/-0.000 χ^2/NDF:3659125.2/26

All: 0.000+/-0.000 χ^2/NDF: 6325285.1/49



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: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: -0.004+/-0.088 χ^2/NDF: 23.2/14

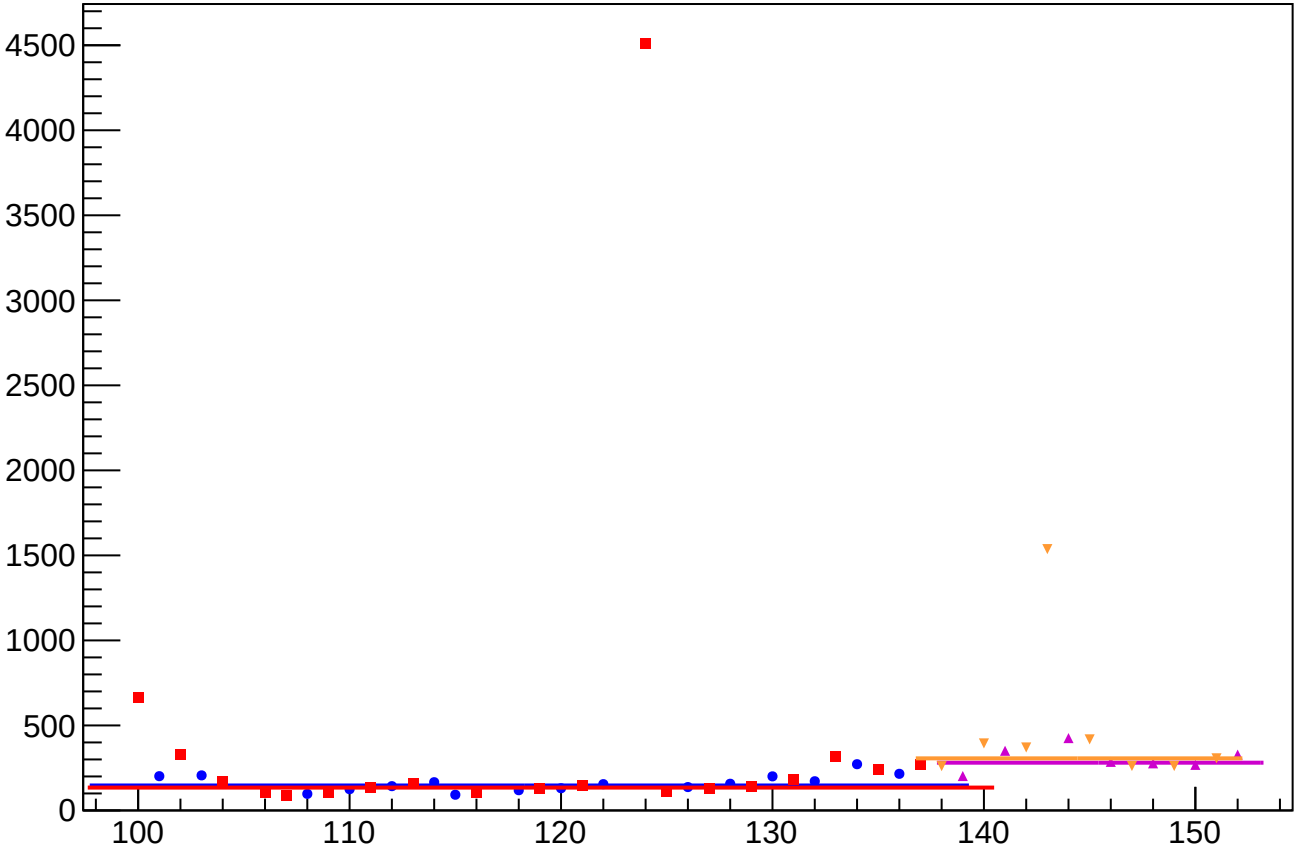
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.007+/-0.036 χ^2/NDF: 53.4/49

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: 280.884+/-0.083 χ^2/NDF:544153.6/6

Left: 292.172+/-0.062 χ^2/NDF: 1997537.0/14

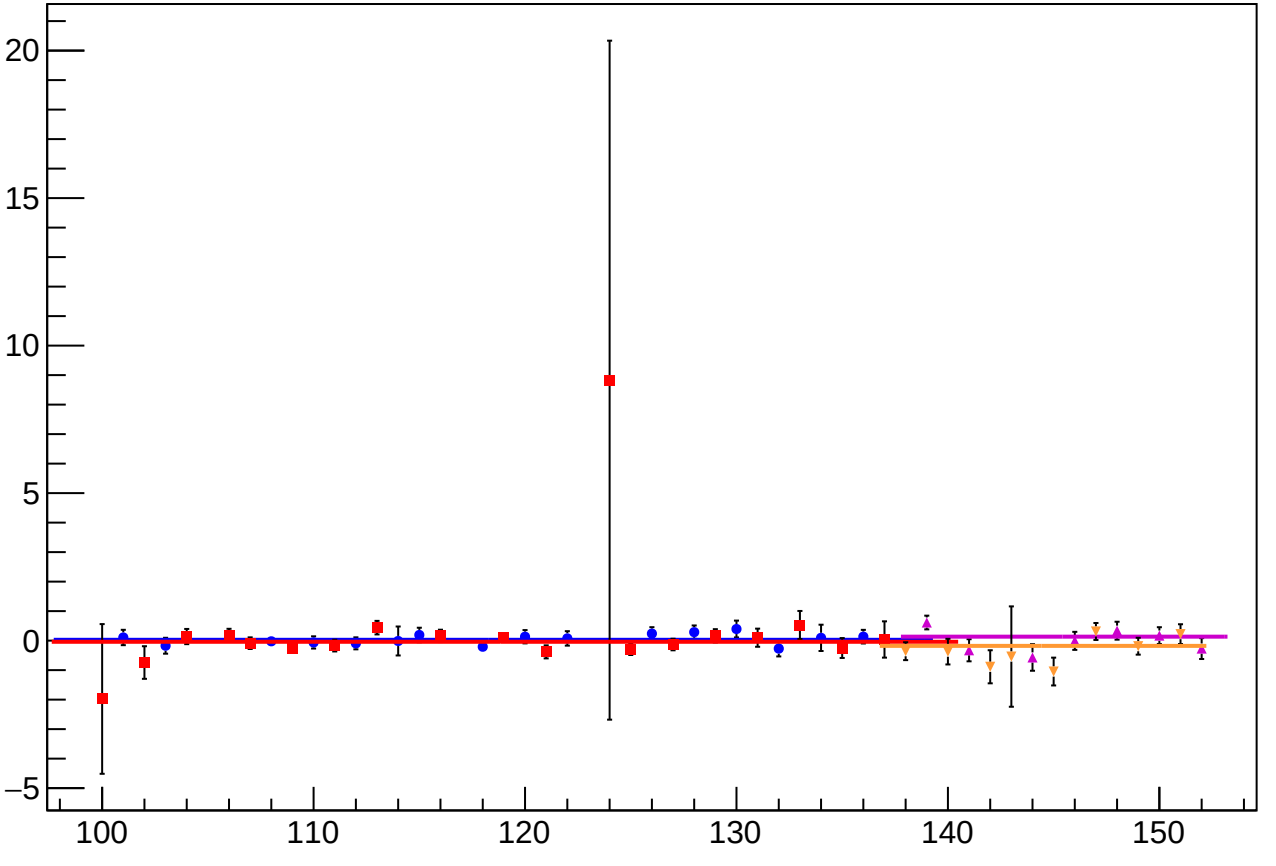
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 172.891+/-0.037 χ^2/NDF:3641488.3/22

Out: 159.792+/-0.036 χ^2/NDF:5915213.1/26

All: 166.188+/-0.026 χ^2/NDF: 9622179.4/49

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: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: -0.004+/-0.088 χ^2/NDF: 23.2/14

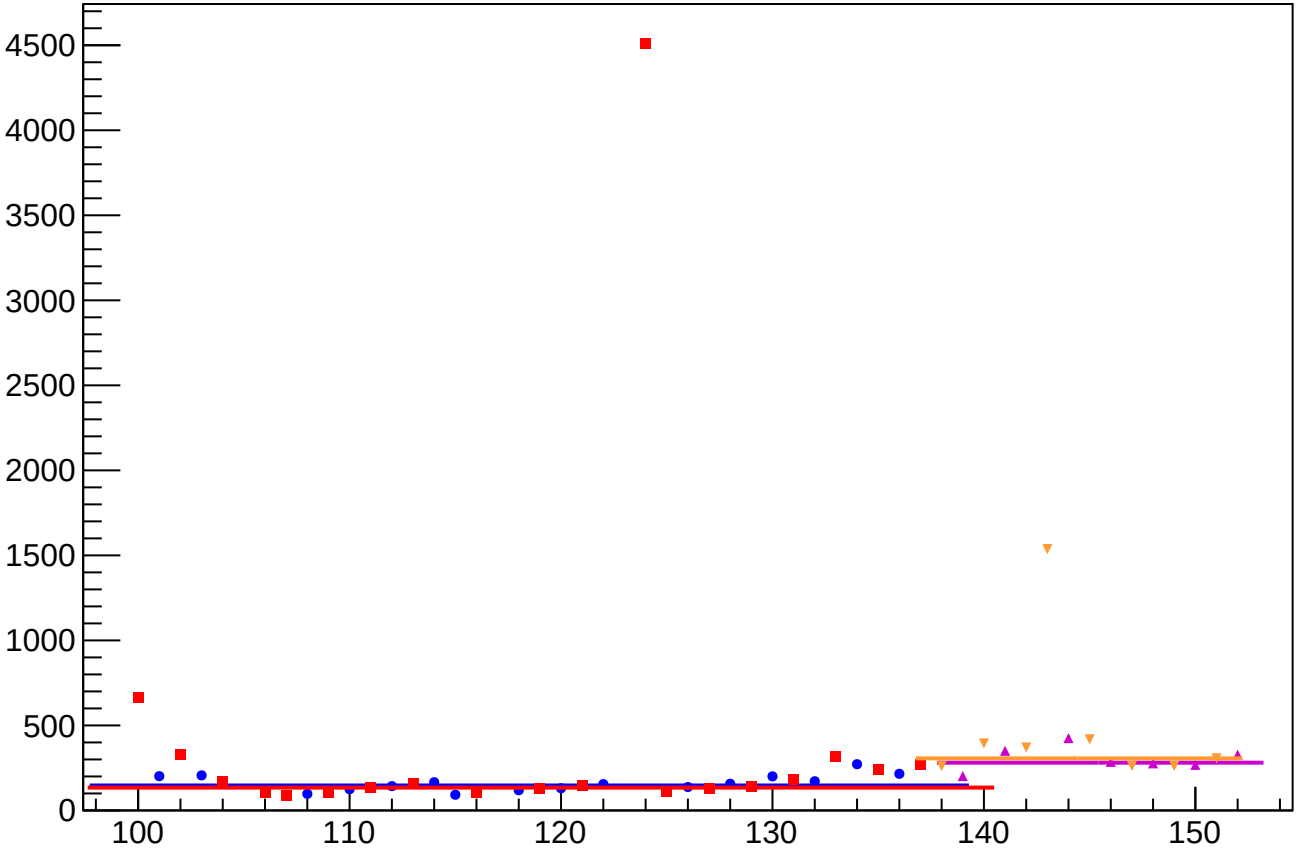
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.007+/-0.036 χ^2/NDF: 53.4/49

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: 280.884+/-0.083 χ^2/NDF:544153.6/6

Left: 292.172+/-0.062 χ^2/NDF: 1997537.0/14

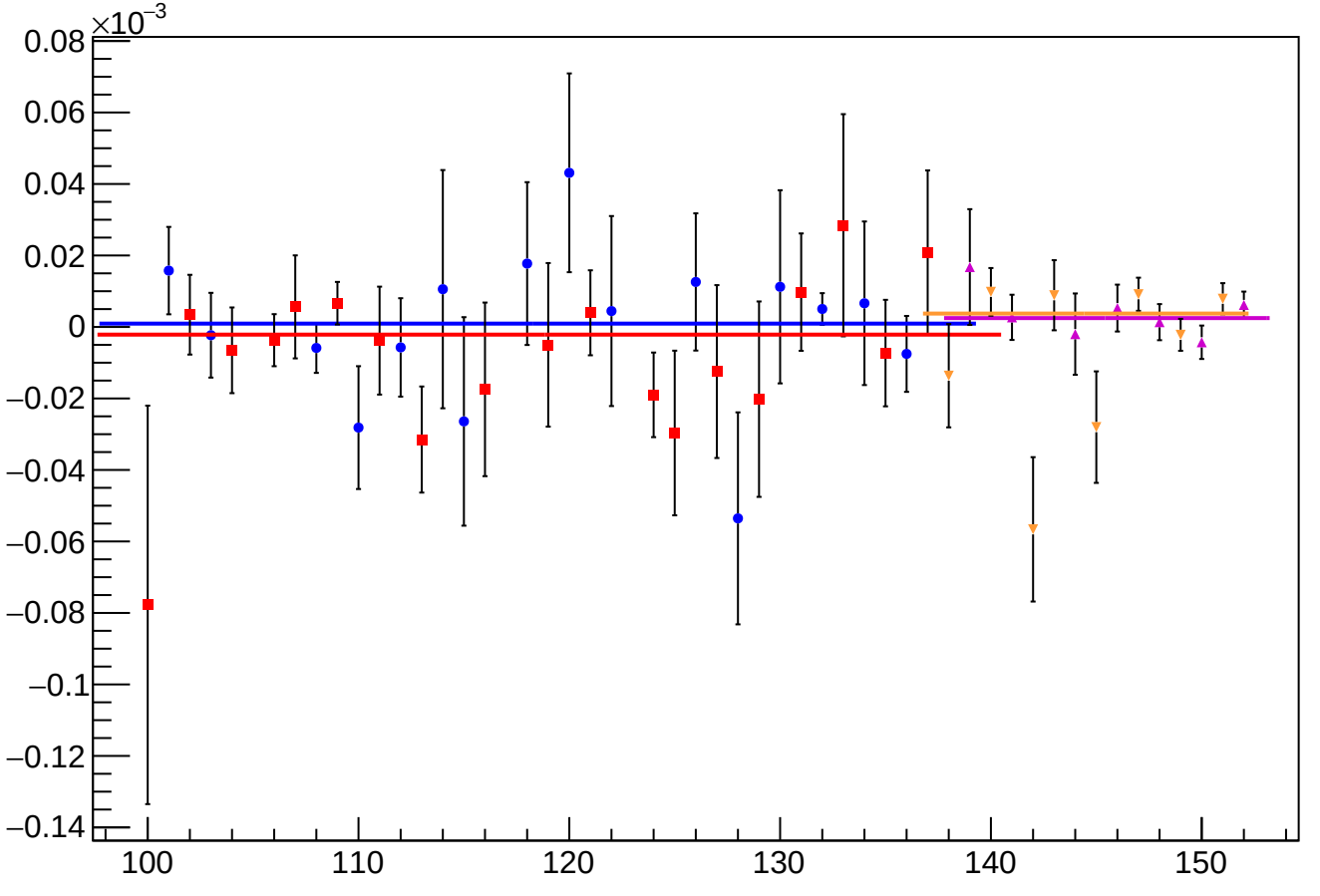
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 172.891+/-0.037 χ^2/NDF:3641488.3/22

Out: 159.792+/-0.036 χ^2/NDF:5915213.1/26

All: 166.188+/-0.026 χ^2/NDF: 9622179.4/49

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:4.2/6

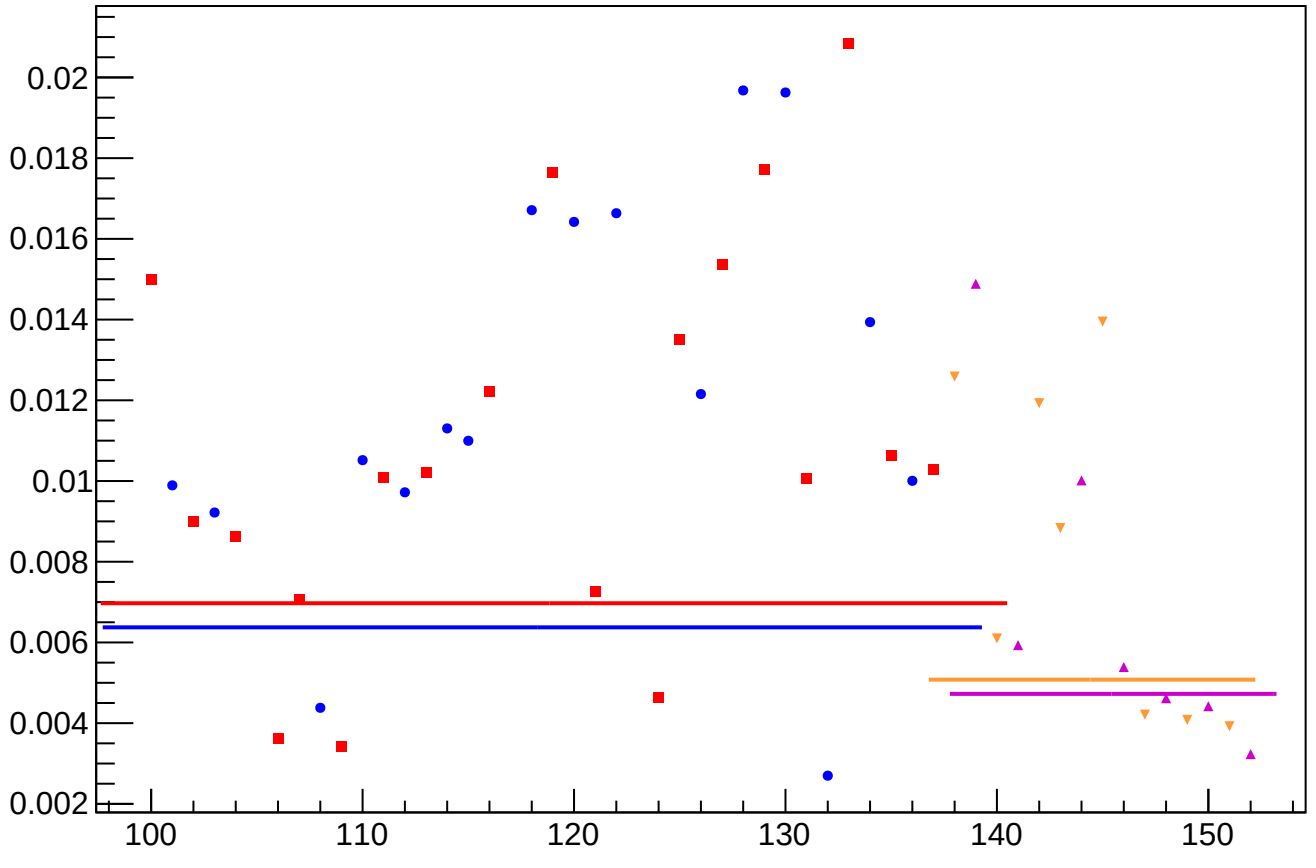
Left: 0.000+/-0.000 χ^2/NDF: 24.1/14

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:19.3/22

Out: 0.000+/-0.000 χ^2/NDF:38.2/26

All: 0.000+/-0.000 χ^2/NDF: 57.4/49



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:1642592.5/6

Left: 0.005+/-0.000 χ^2/NDF: 3735676.8/14

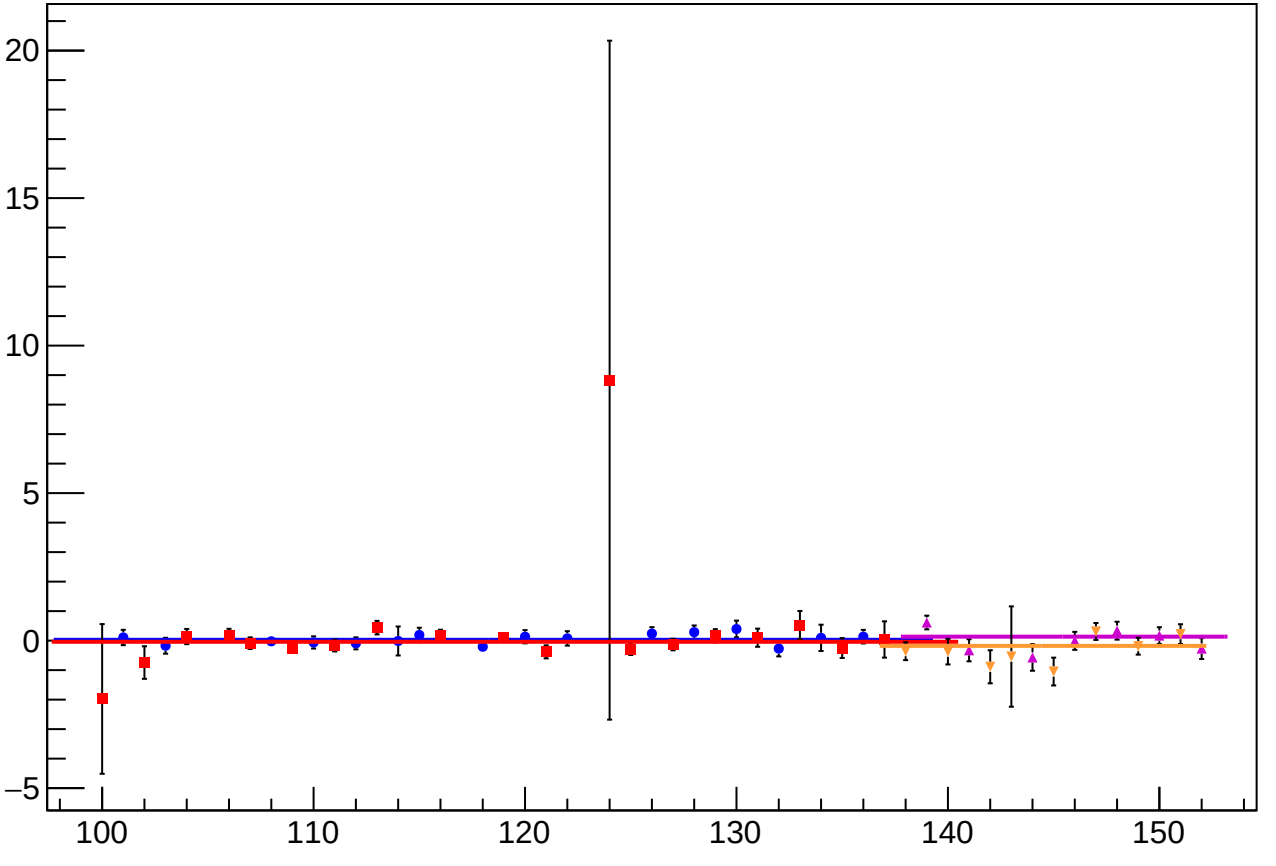
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:6694531.2/22

Out: 0.006+/-0.000 χ^2/NDF:5980677.1/26

All: 0.006+/-0.000 χ^2/NDF: 12742951.7/49

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: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: -0.004+/-0.088 χ^2/NDF: 23.2/14

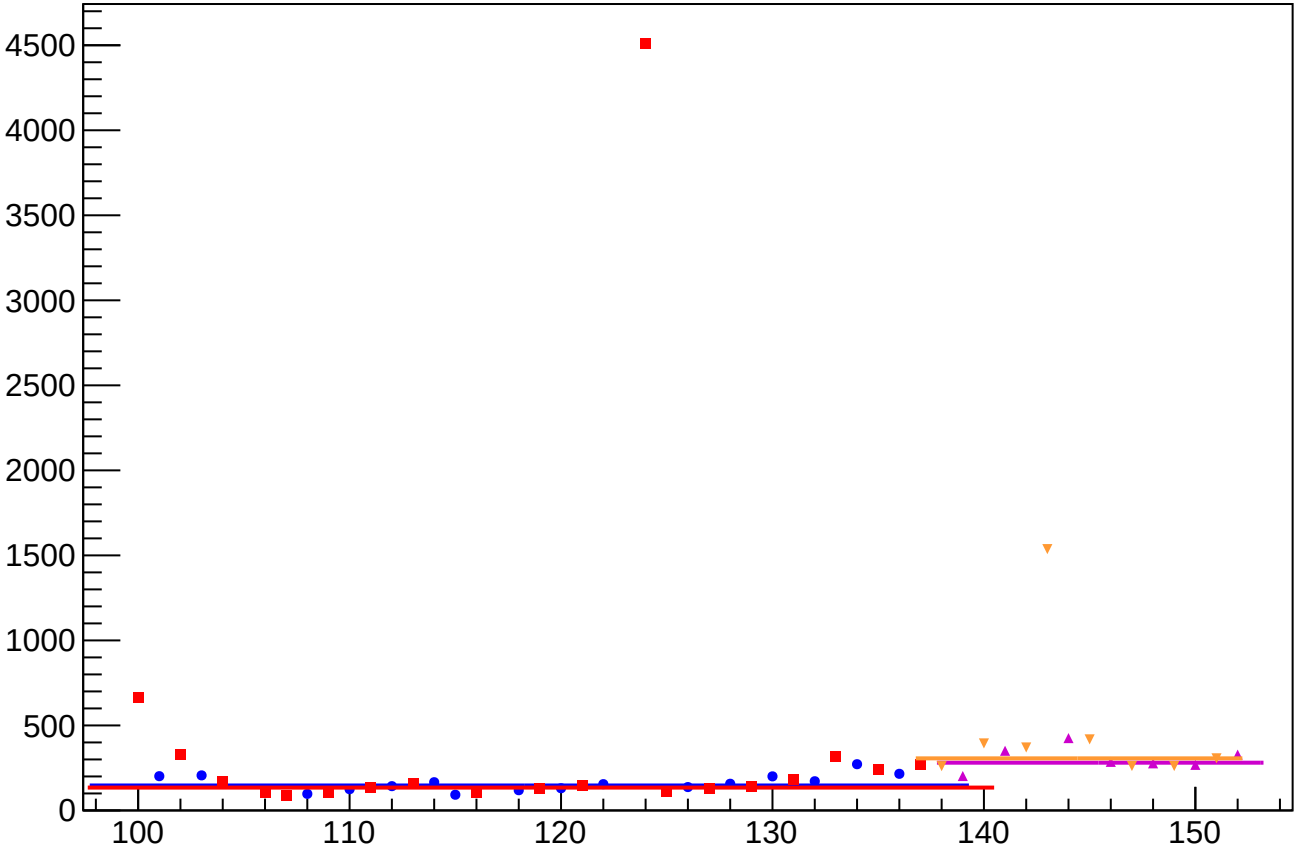
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.007+/-0.036 χ^2/NDF: 53.4/49

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: 280.888+/-0.083 χ^2/NDF:544132.6/6

Left: 292.176+/-0.062 χ^2/NDF: 1997511.2/14

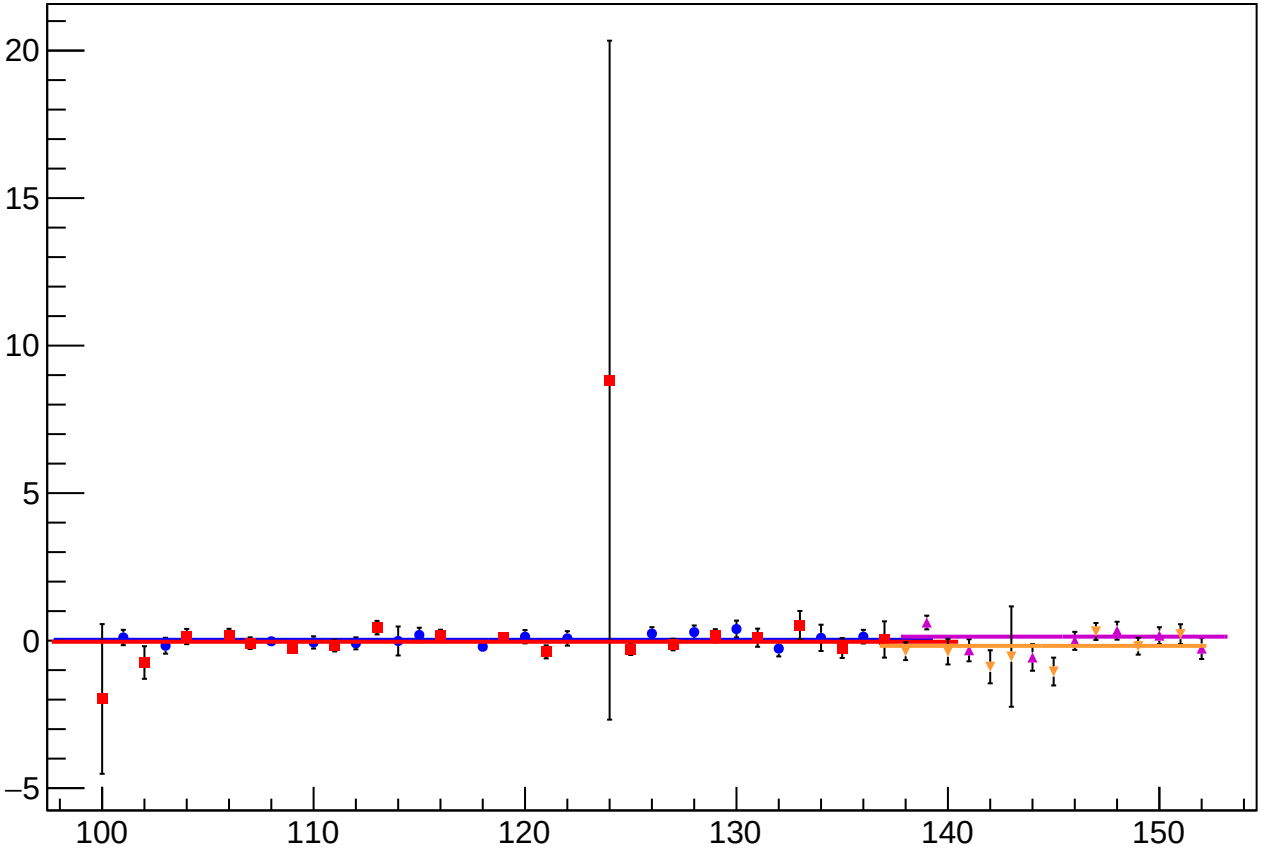
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 172.891+/-0.037 χ^2/NDF:3641488.5/22

Out: 159.793+/-0.036 χ^2/NDF:5915146.0/26

All: 166.189+/-0.026 χ^2/NDF: 9622098.8/49

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: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: -0.004+/-0.088 χ^2/NDF: 23.2/14

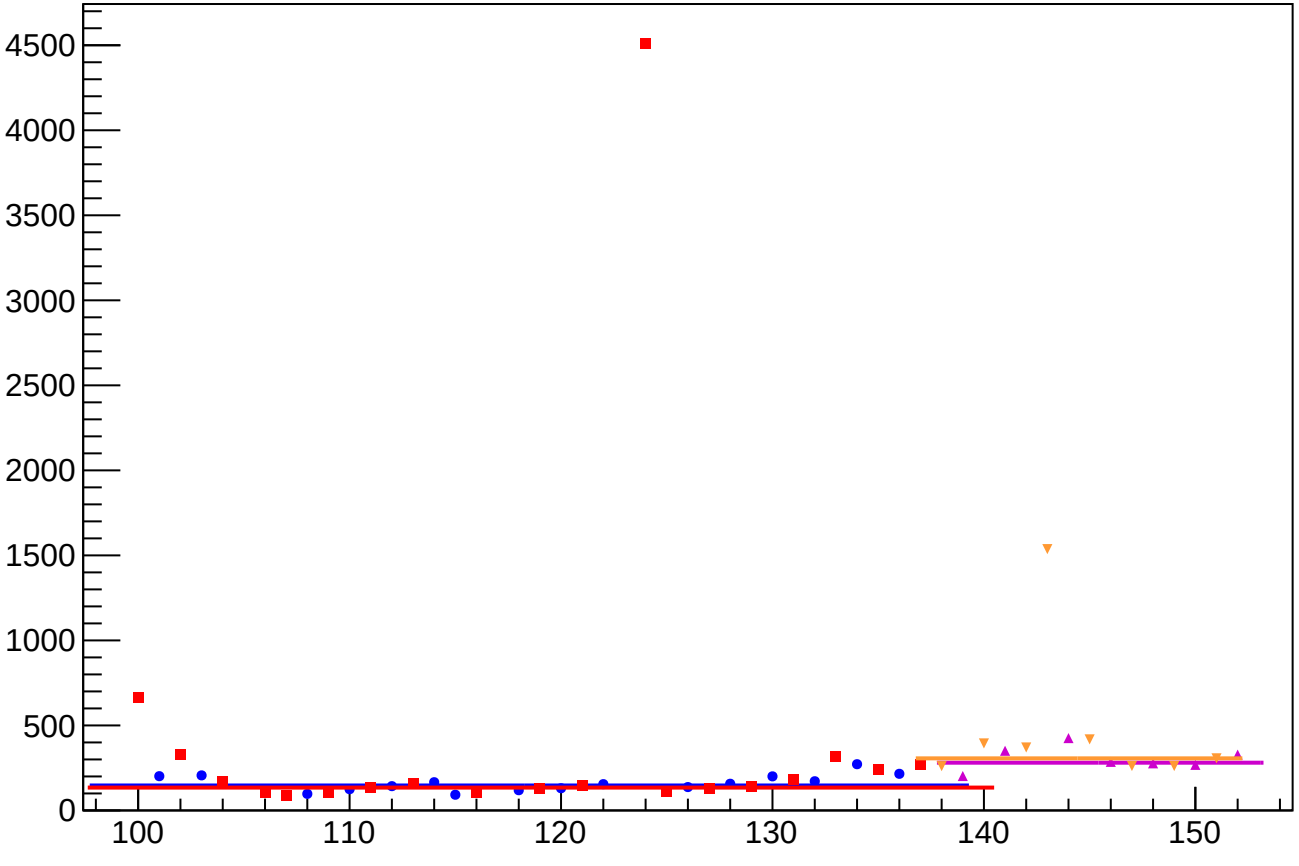
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.007+/-0.036 χ^2/NDF: 53.4/49

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: 280.888+/-0.083 χ^2/NDF:544132.6/6

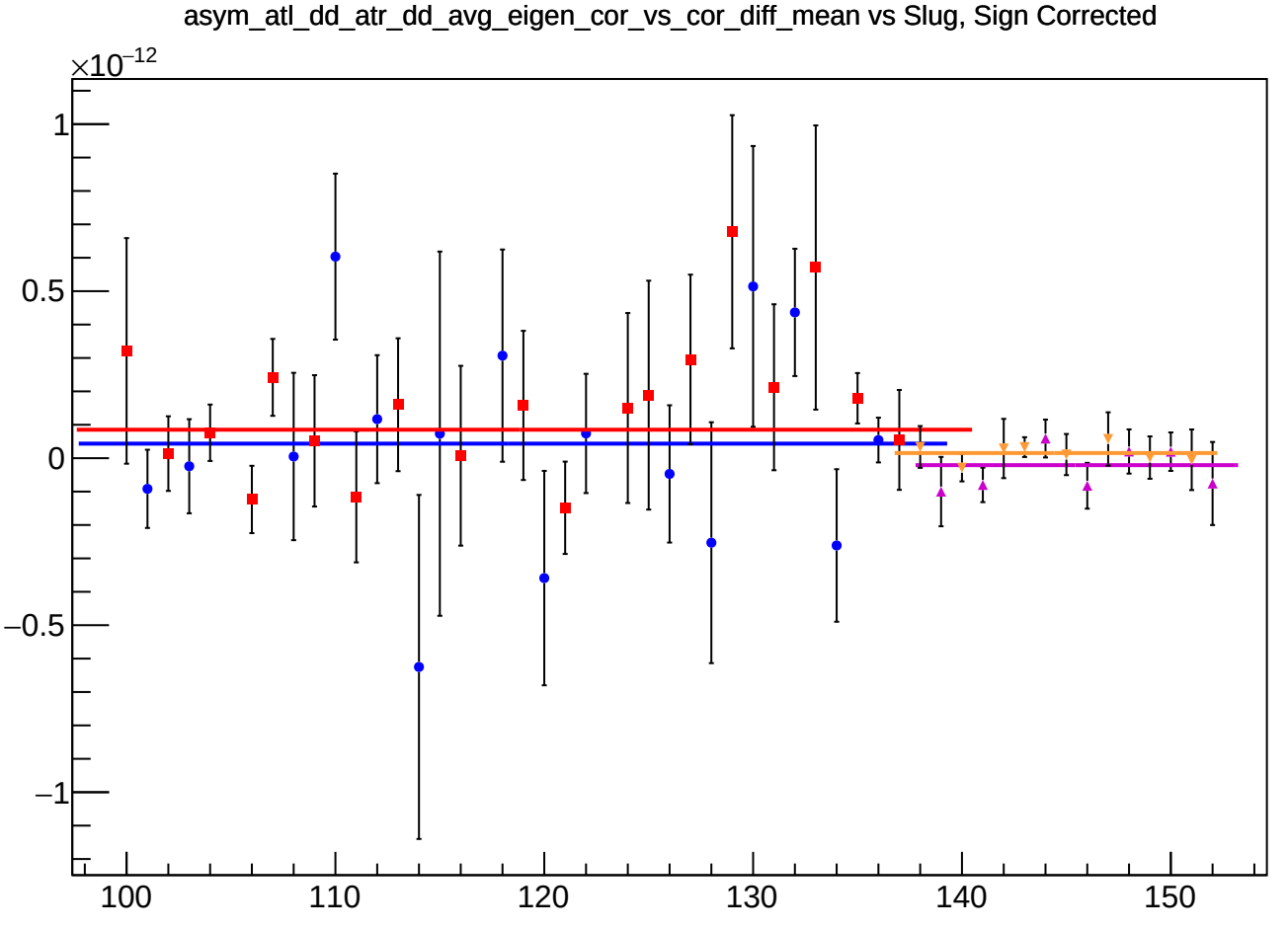
Left: 292.176+/-0.062 χ^2/NDF: 1997511.2/14

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 172.891+/-0.037 χ^2/NDF:3641488.5/22

Out: 159.793+/-0.036 χ^2/NDF:5915146.0/26

All: 166.189+/-0.026 χ^2/NDF: 9622098.8/49



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:5.8/6

Left: 0.000+/-0.000 χ^2/NDF: 9.1/14

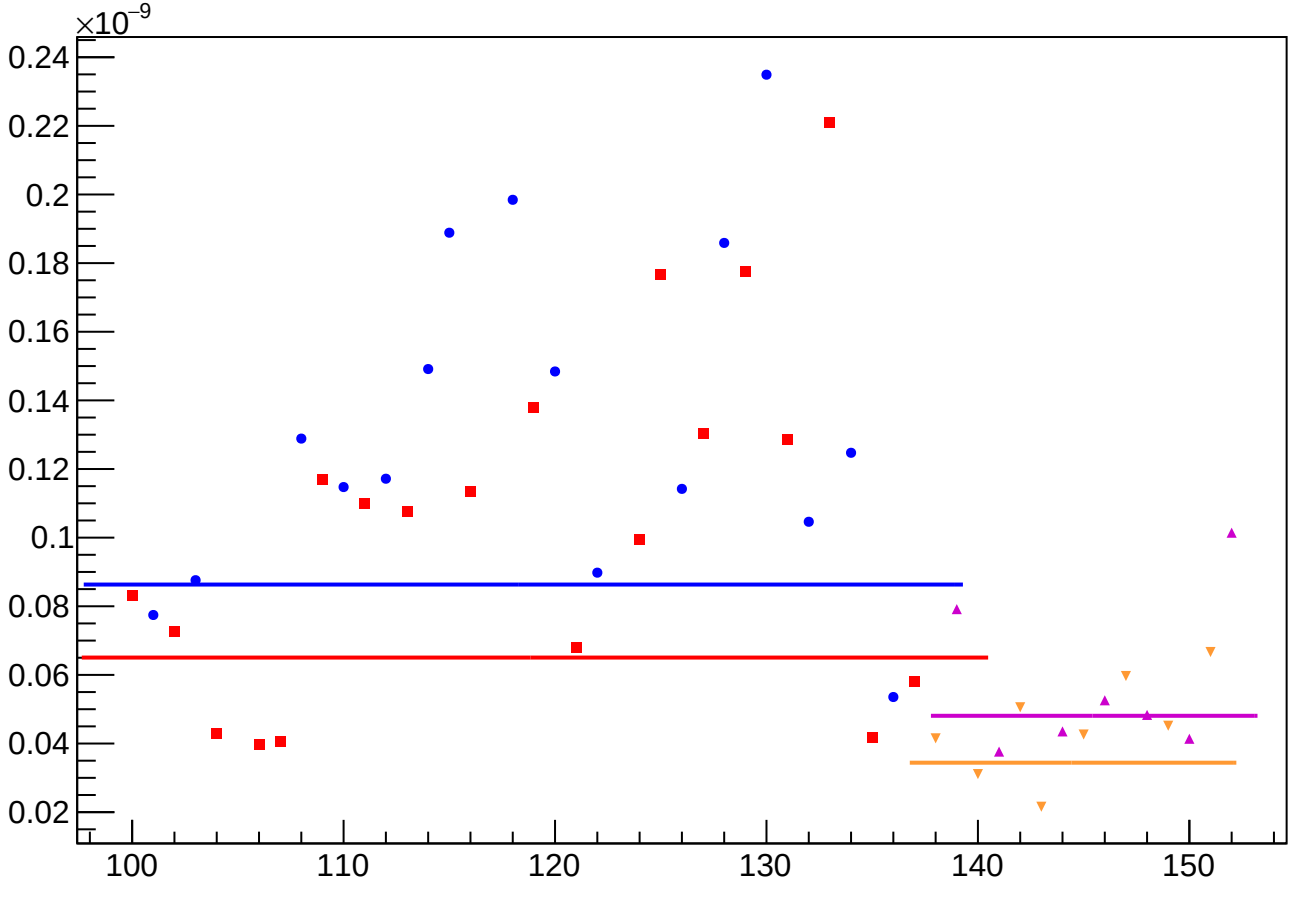
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.4/22

Out: 0.000+/-0.000 χ^2/NDF:23.4/26

All: 0.000+/-0.000 χ^2/NDF: 51.6/49

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1026181.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:678131.0/6

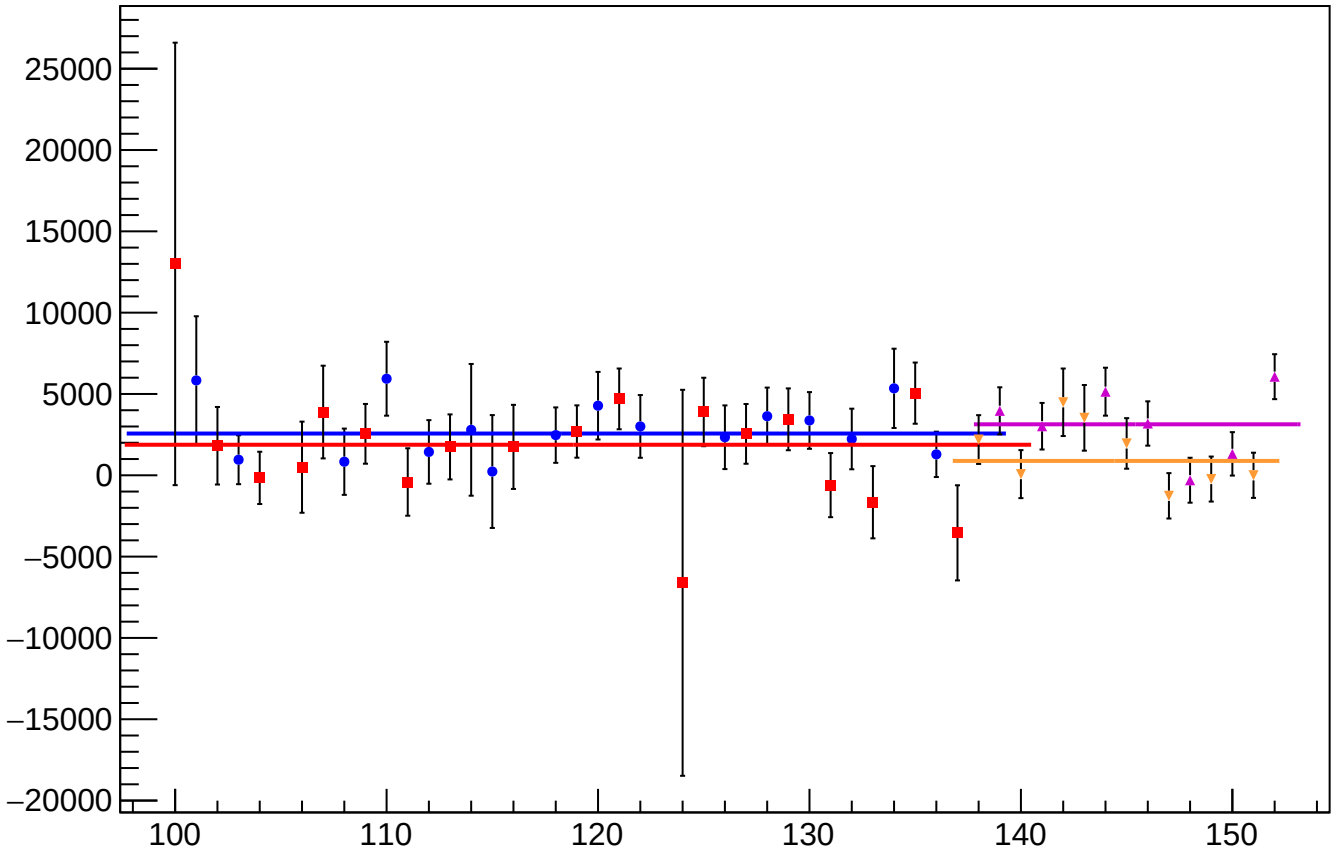
Left: 0.000+/-0.000 χ^2/NDF: 2088002.7/14

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3434958.0/22

Out: 0.000+/-0.000 χ^2/NDF:4423556.7/26

All: 0.000+/-0.000 χ^2/NDF: 8602072.4/49



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: 3135.250+/-529.093 χ^2/NDF:14.7/6

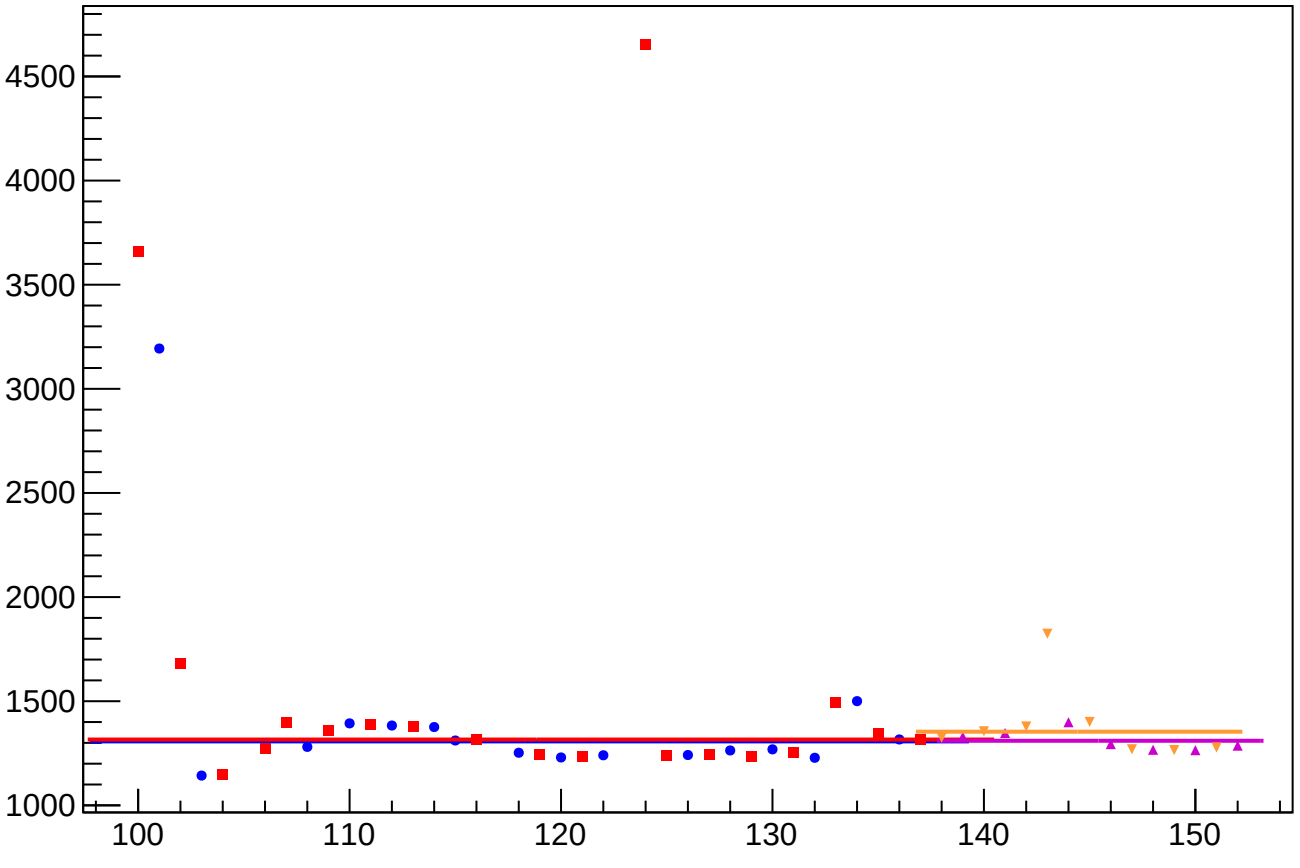
Left: 2045.984+/-380.124 χ^2/NDF: 33.2/14

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2832.682+/-361.612 χ^2/NDF:24.4/22

Out: 1430.285+/-366.757 χ^2/NDF:31.1/26

All: 2141.390+/-257.498 χ^2/NDF: 62.9/49



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: 1310.053+/-0.374 χ^2/NDF:14118.1/6

Left: 1331.116+/-0.269 χ^2/NDF: 153539.6/14

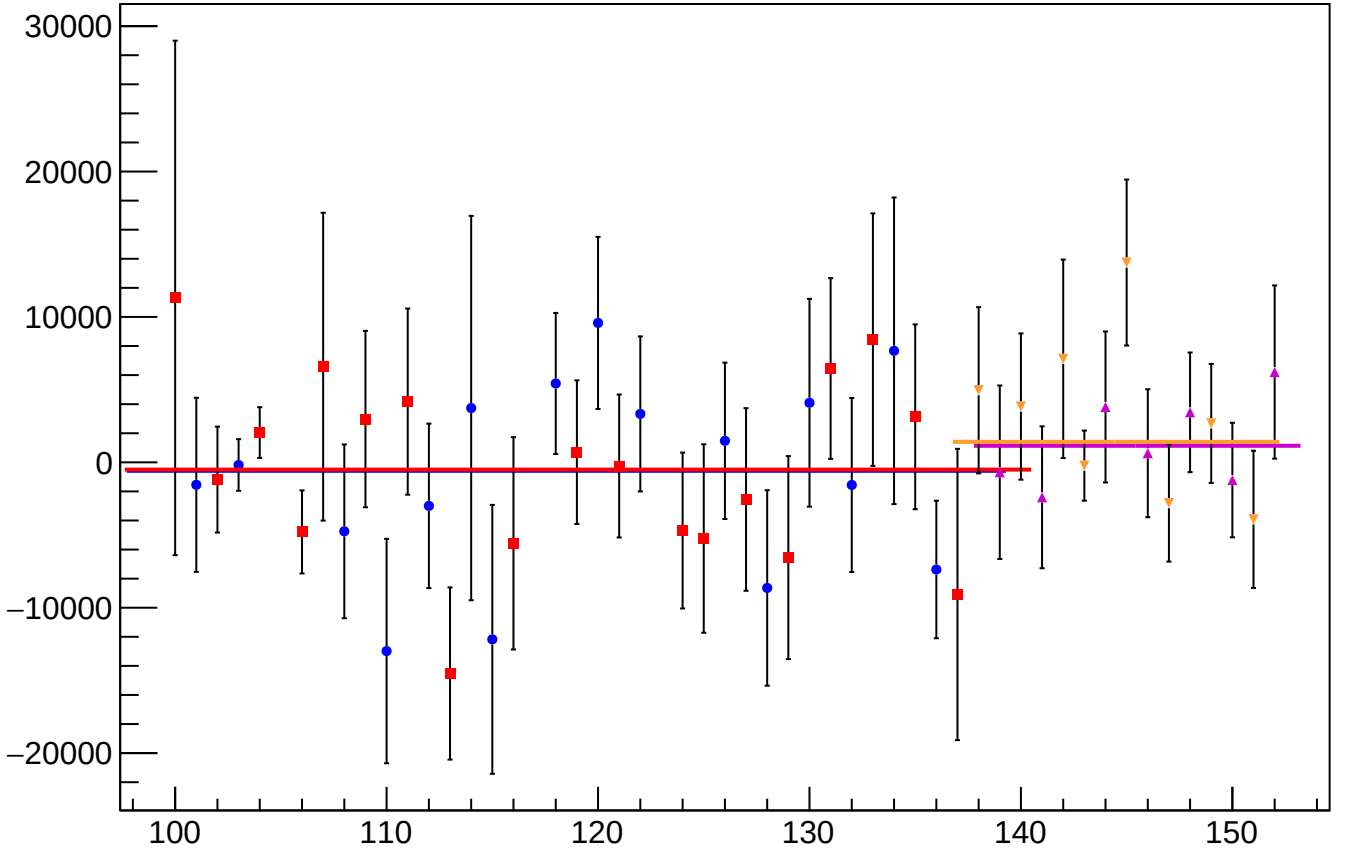
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1308.462+/-0.256 χ^2/NDF:530401.1/22

Out: 1332.878+/-0.259 χ^2/NDF:464503.2/26

All: 1320.516+/-0.182 χ^2/NDF: 999405.5/49

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: 1138.160+/-1794.676 χ^2/NDF:2.3/6

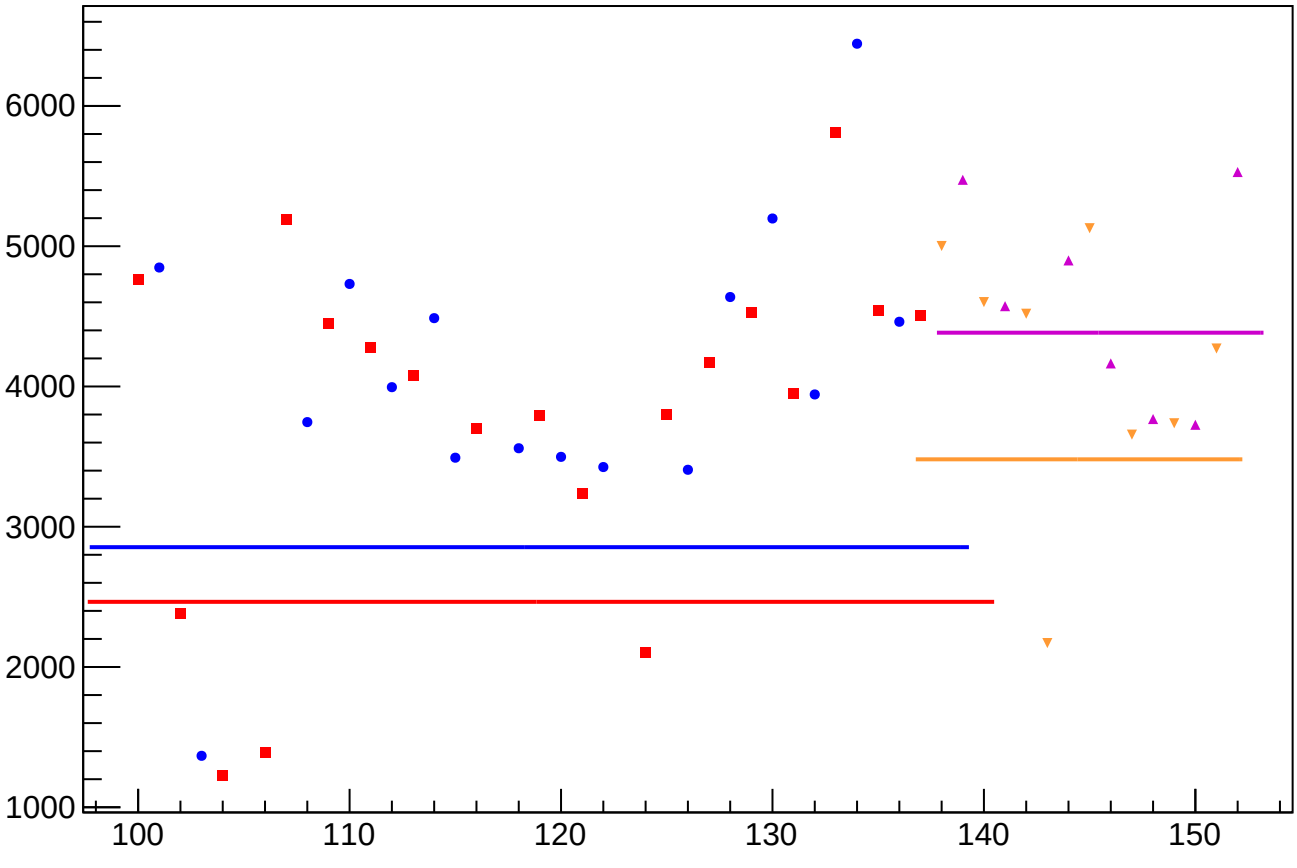
Left: 1300.089+/-1138.719 χ^2/NDF: 11.2/14

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -54.773+/-993.437 χ^2/NDF:17.7/22

Out: 147.457+/-857.986 χ^2/NDF:27.7/26

All: 61.058+/-649.338 χ^2/NDF: 45.4/49



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: 4383.468+/-1.269 χ^2/NDF:268732.7/6

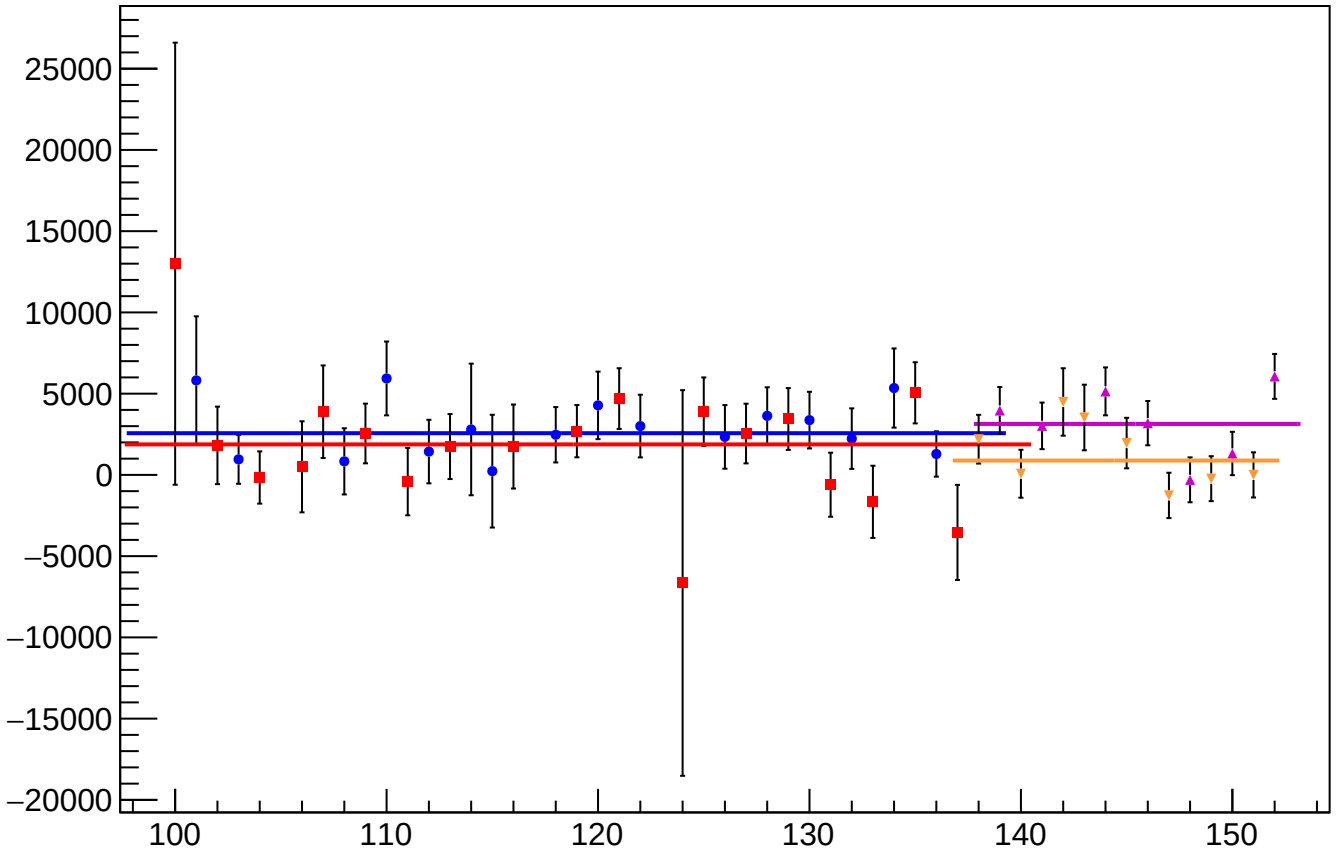
Left: 3844.071+/-0.805 χ^2/NDF: 1683311.5/14

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3322.858+/-0.702 χ^2/NDF:4180646.5/22

Out: 2809.171+/-0.607 χ^2/NDF:5096667.2/26

All: 3028.633+/-0.459 χ^2/NDF: 9583599.9/49



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: 3135.447+/-529.093 χ^2/NDF:14.7/6

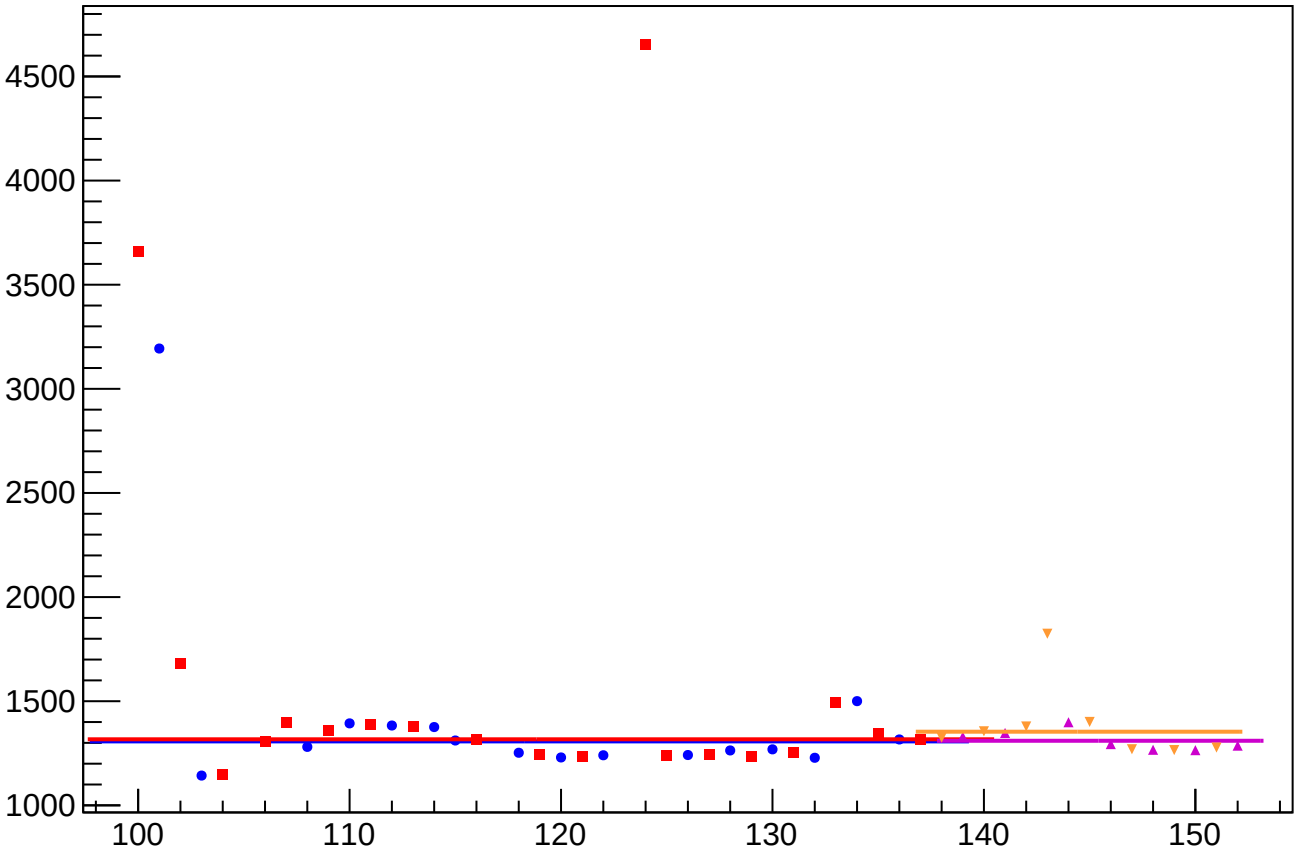
Left: 2046.043+/-380.124 χ^2/NDF: 33.2/14

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2832.625+/-361.612 χ^2/NDF:24.4/22

Out: 1430.105+/-366.757 χ^2/NDF:31.1/26

All: 2141.272+/-257.498 χ^2/NDF: 62.9/49



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: 1310.053+/-0.374 χ^2/NDF:14118.1/6

Left: 1331.116+/-0.269 χ^2/NDF: 153539.6/14

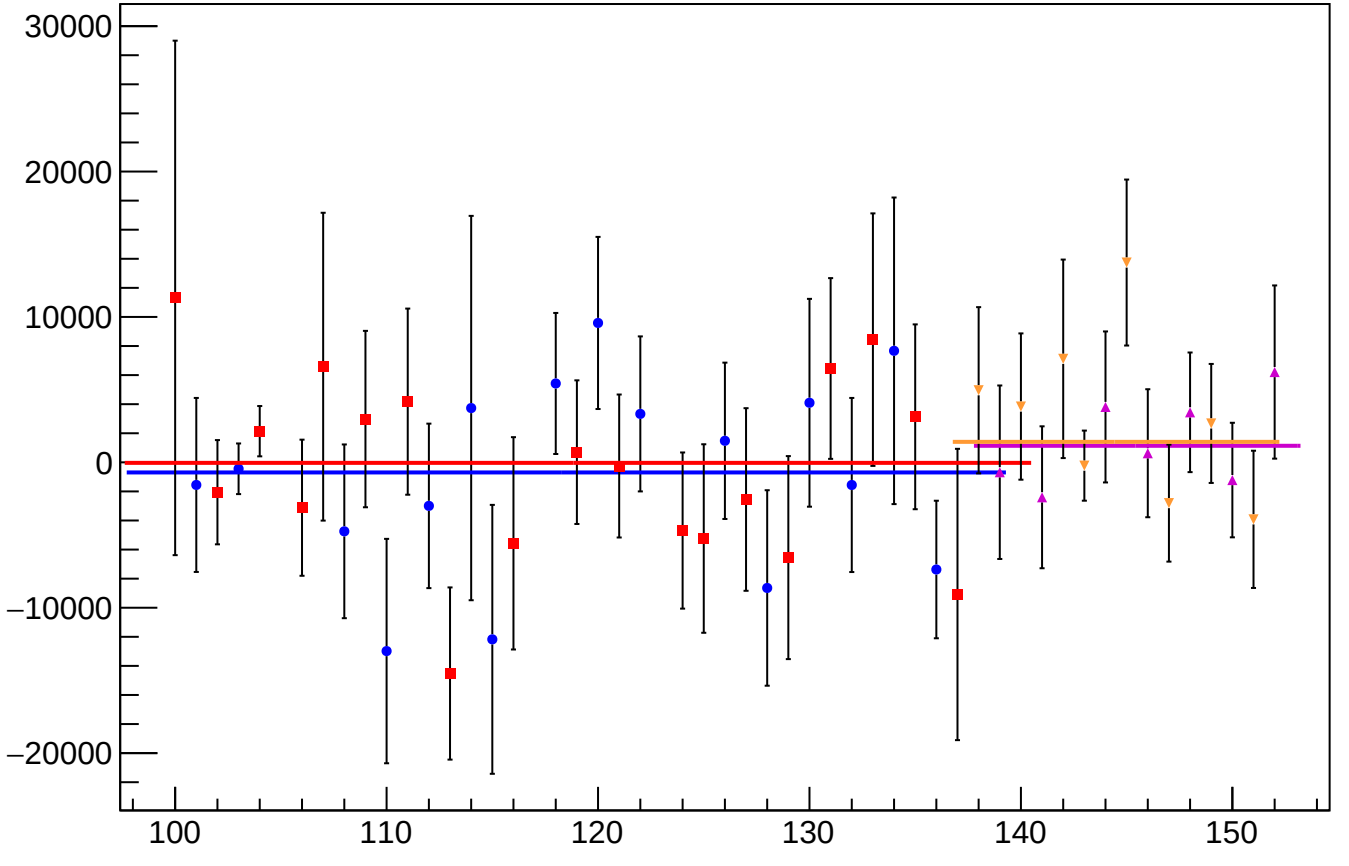
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1308.462+/-0.256 χ^2/NDF:530402.6/22

Out: 1333.515+/-0.259 χ^2/NDF:463697.9/26

All: 1320.825+/-0.182 χ^2/NDF: 998837.5/49

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: 1138.228+/-1794.676 χ^2/NDF:2.3/6

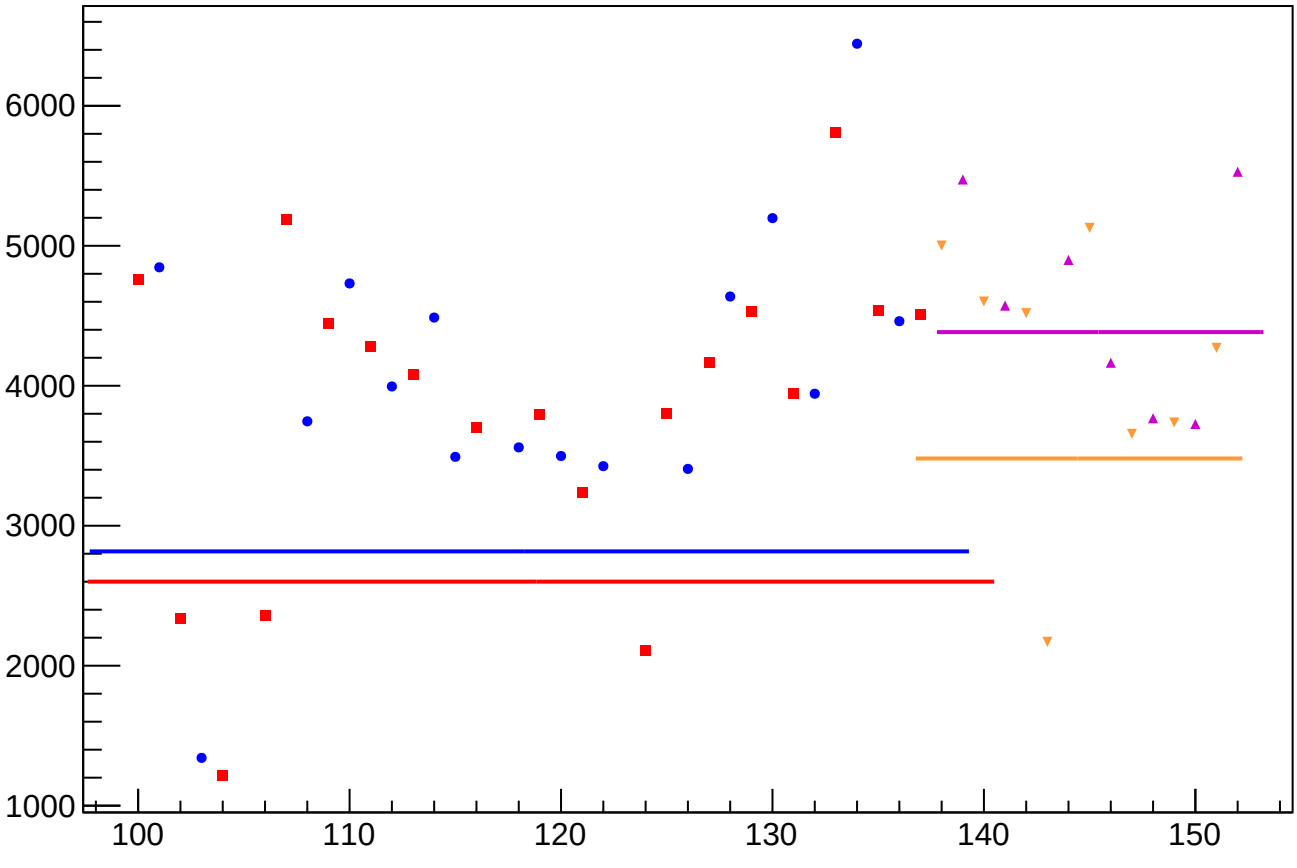
Left: 1300.084+/-1138.715 χ^2/NDF: 11.2/14

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -140.266+/-987.389 χ^2/NDF:17.7/22

Out: 480.119+/-880.493 χ^2/NDF:25.5/26

All: 205.314+/-657.158 χ^2/NDF: 43.4/49



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: 4383.468+/-1.269 χ^2/NDF:268735.0/6

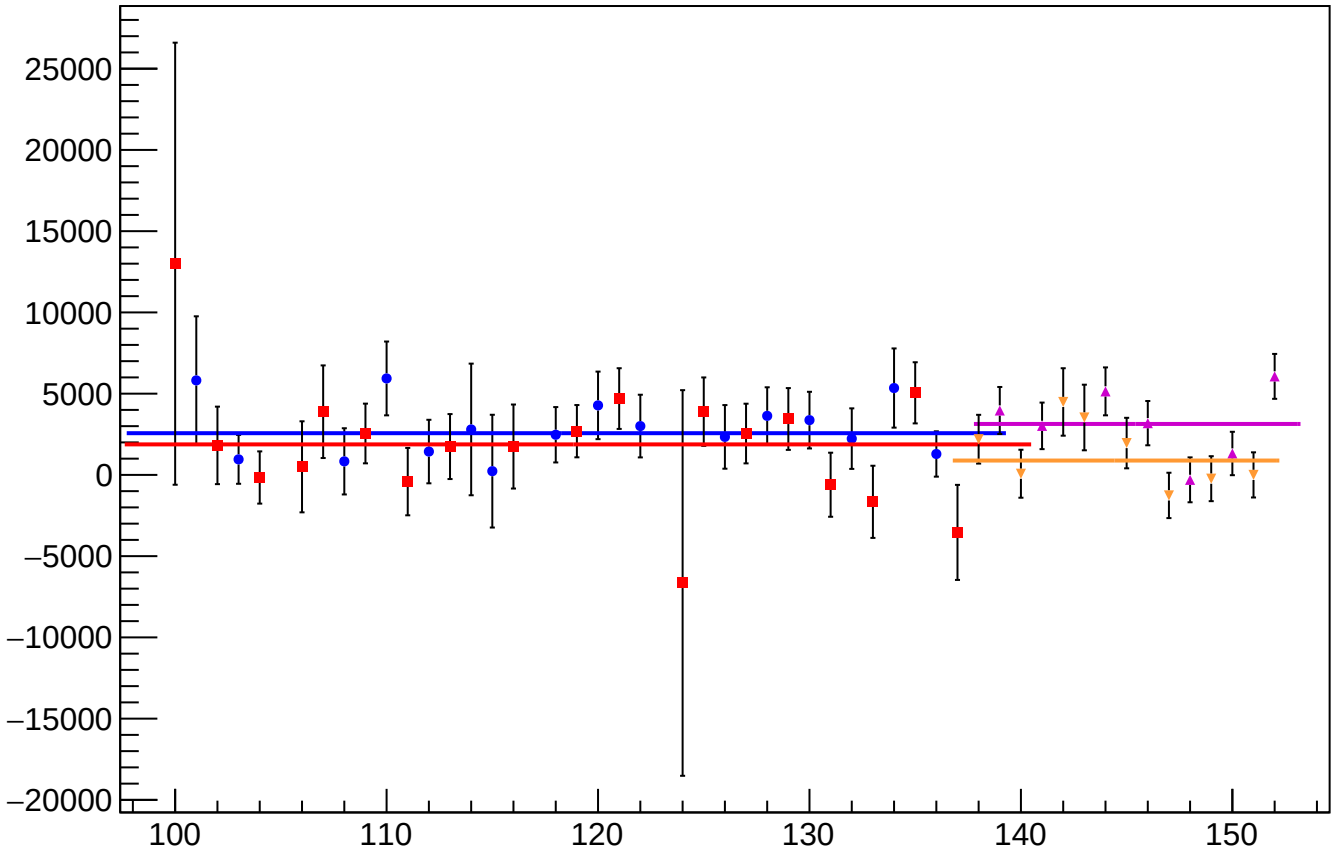
Left: 3844.053+/-0.805 χ^2/NDF: 1683368.3/14

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3291.010+/-0.698 χ^2/NDF:4339086.5/22

Out: 2914.860+/-0.623 χ^2/NDF:4651697.4/26

All: 3081.479+/-0.465 χ^2/NDF: 9152466.5/49



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: 3135.447+/-529.093 χ^2/NDF:14.7/6

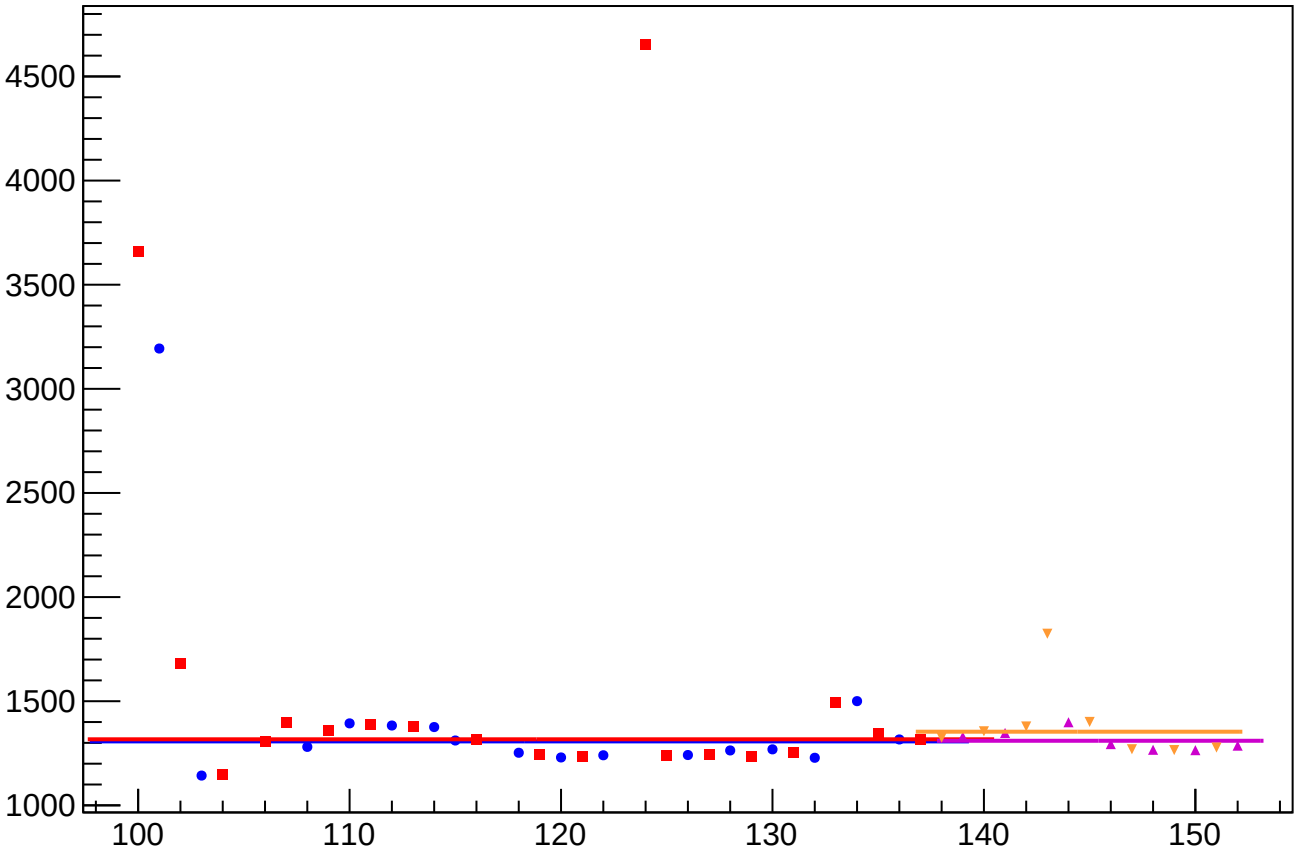
Left: 2046.043+/-380.124 χ^2/NDF: 33.2/14

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2832.625+/-361.612 χ^2/NDF:24.4/22

Out: 1430.105+/-366.757 χ^2/NDF:31.1/26

All: 2141.272+/-257.498 χ^2/NDF: 62.9/49



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: 1310.053+/-0.374 χ^2/NDF:14118.1/6

Left: 1331.116+/-0.269 χ^2/NDF: 153539.6/14

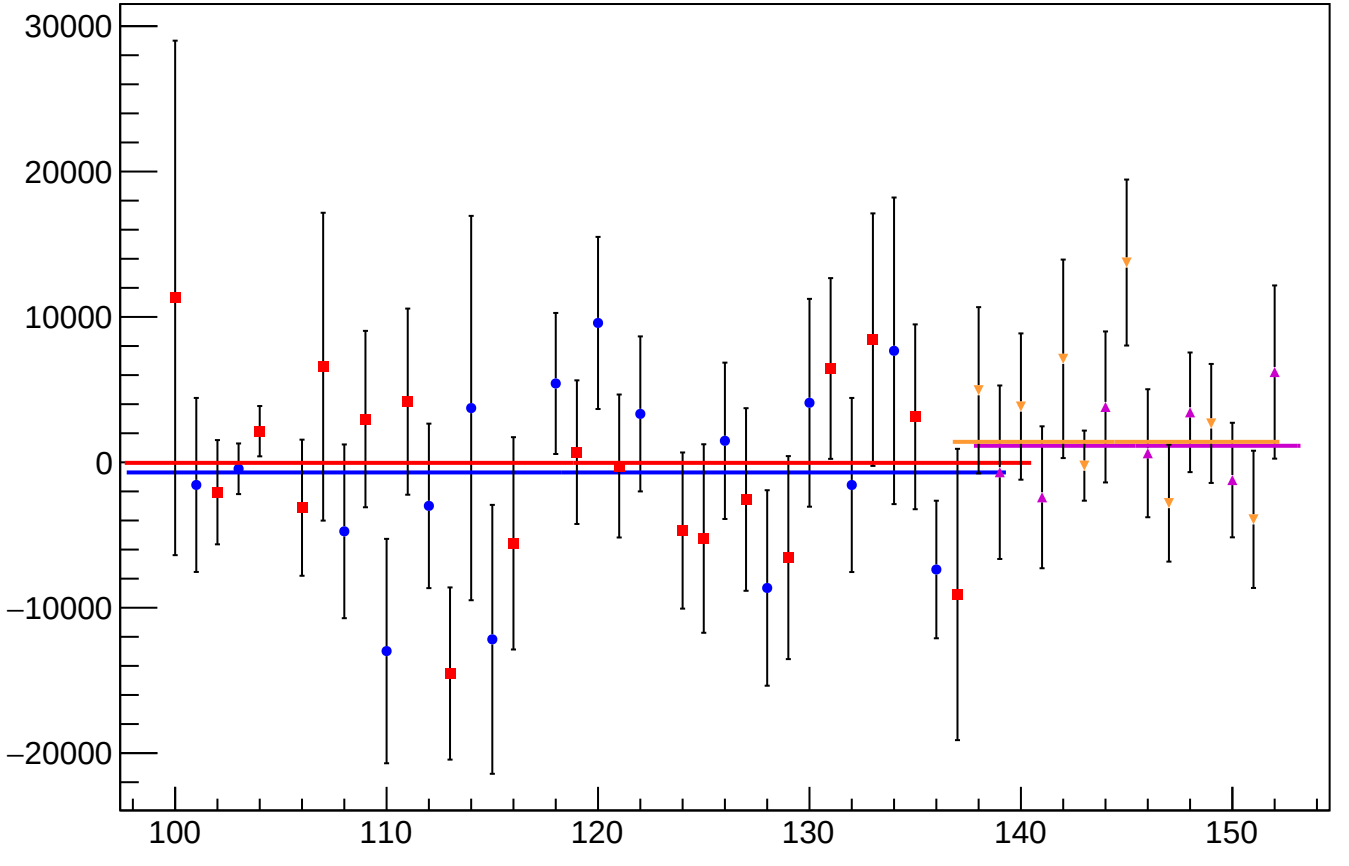
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1308.462+/-0.256 χ^2/NDF:530402.6/22

Out: 1333.515+/-0.259 χ^2/NDF:463697.9/26

All: 1320.825+/-0.182 χ^2/NDF: 998837.5/49

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: 1138.228+/-1794.676 χ^2/NDF:2.3/6

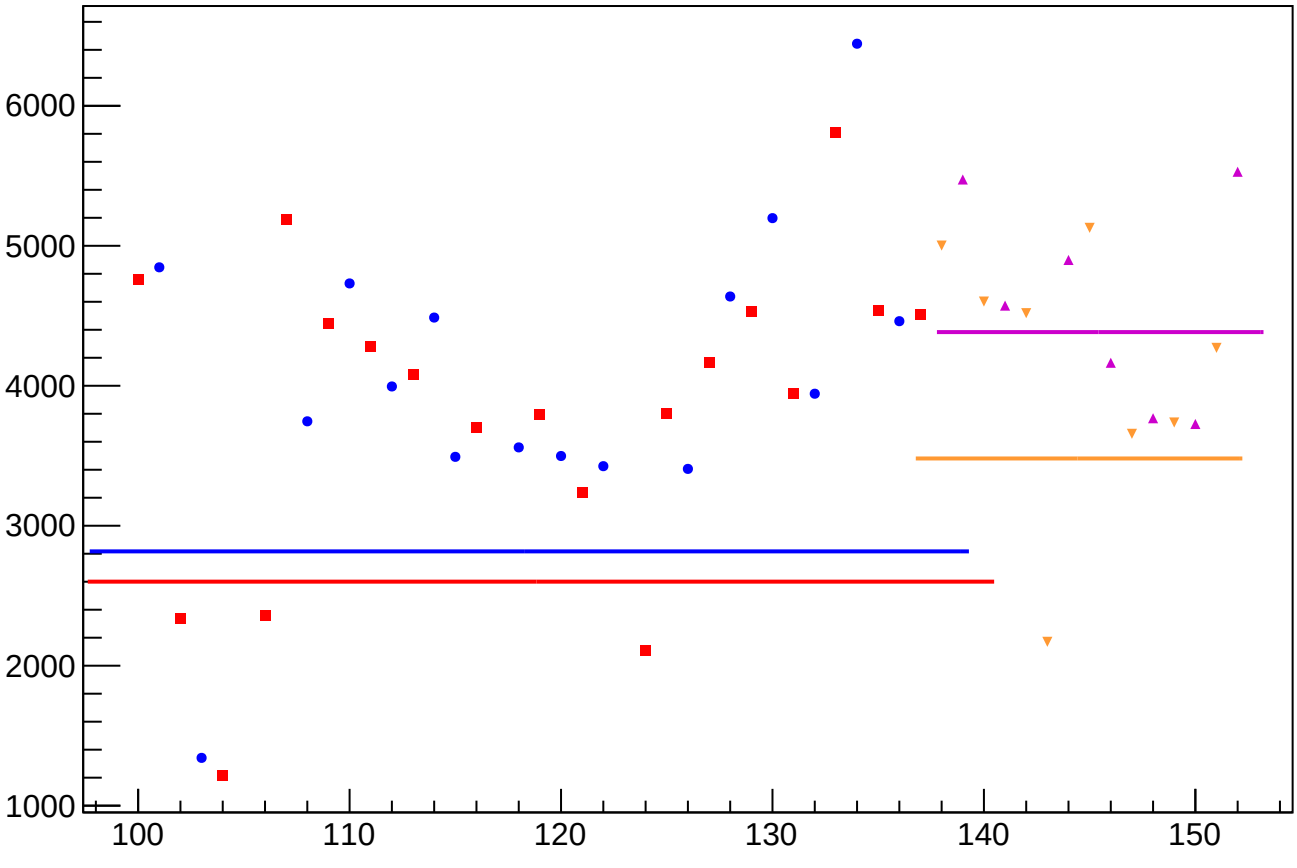
Left: 1300.084+/-1138.715 χ^2/NDF: 11.2/14

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -140.266+/-987.389 χ^2/NDF:17.7/22

Out: 480.119+/-880.493 χ^2/NDF:25.5/26

All: 205.314+/-657.158 χ^2/NDF: 43.4/49



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: 4383.468+/-1.269 χ^2/NDF:268735.0/6

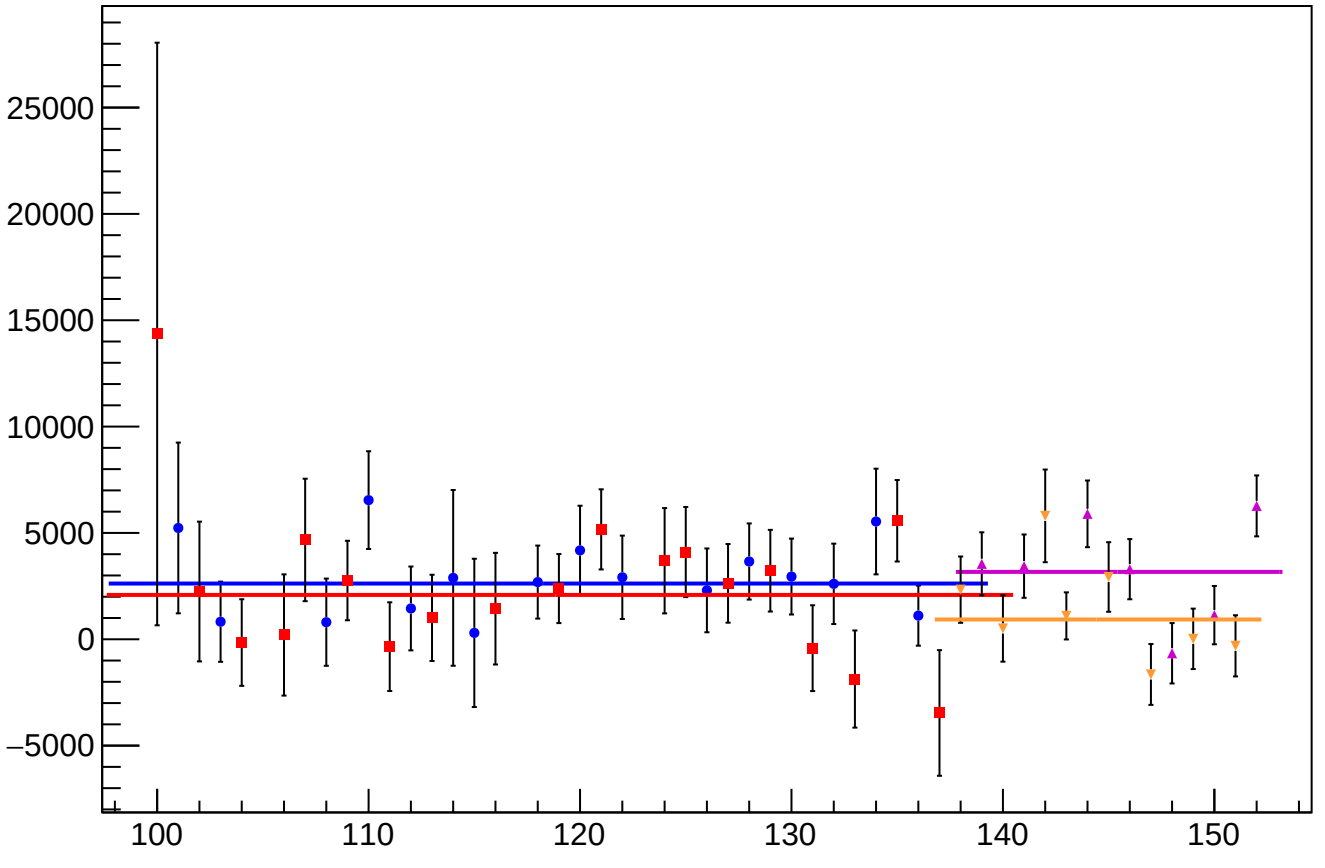
Left: 3844.053+/-0.805 χ^2/NDF: 1683368.3/14

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3291.010+/-0.698 χ^2/NDF:4339086.5/22

Out: 2914.860+/-0.623 χ^2/NDF:4651697.4/26

All: 3081.479+/-0.465 χ^2/NDF: 9152466.5/49



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: 3168.252+/-548.102 χ^2/NDF:17.3/6

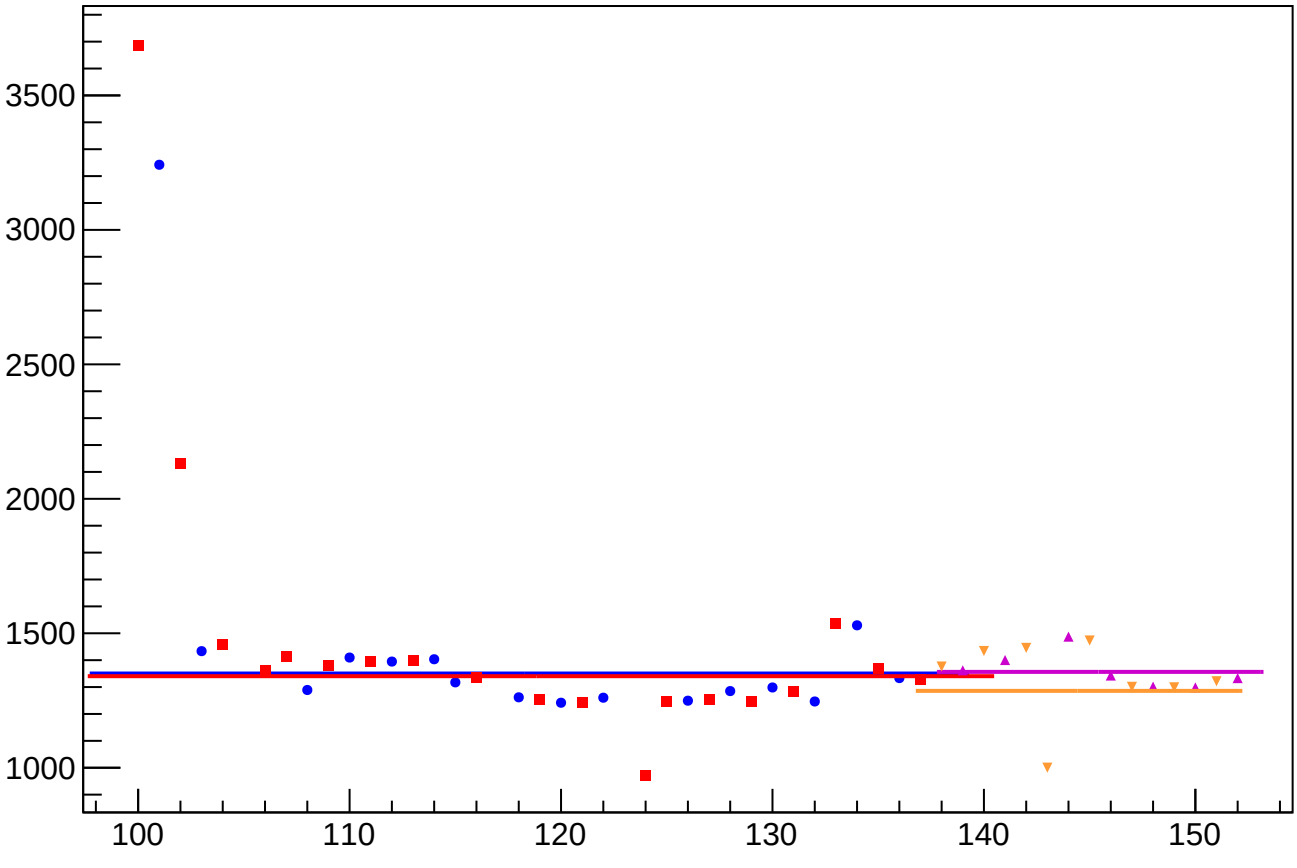
Left: 1991.829+/-377.465 χ^2/NDF: 37.9/14

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2875.501+/-373.960 χ^2/NDF:27.1/22

Out: 1525.773+/-362.429 χ^2/NDF:35.3/26

All: 2179.507+/-260.257 χ^2/NDF: 69.2/49



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: 1356.451+/-0.388 χ^2/NDF:22987.7/6

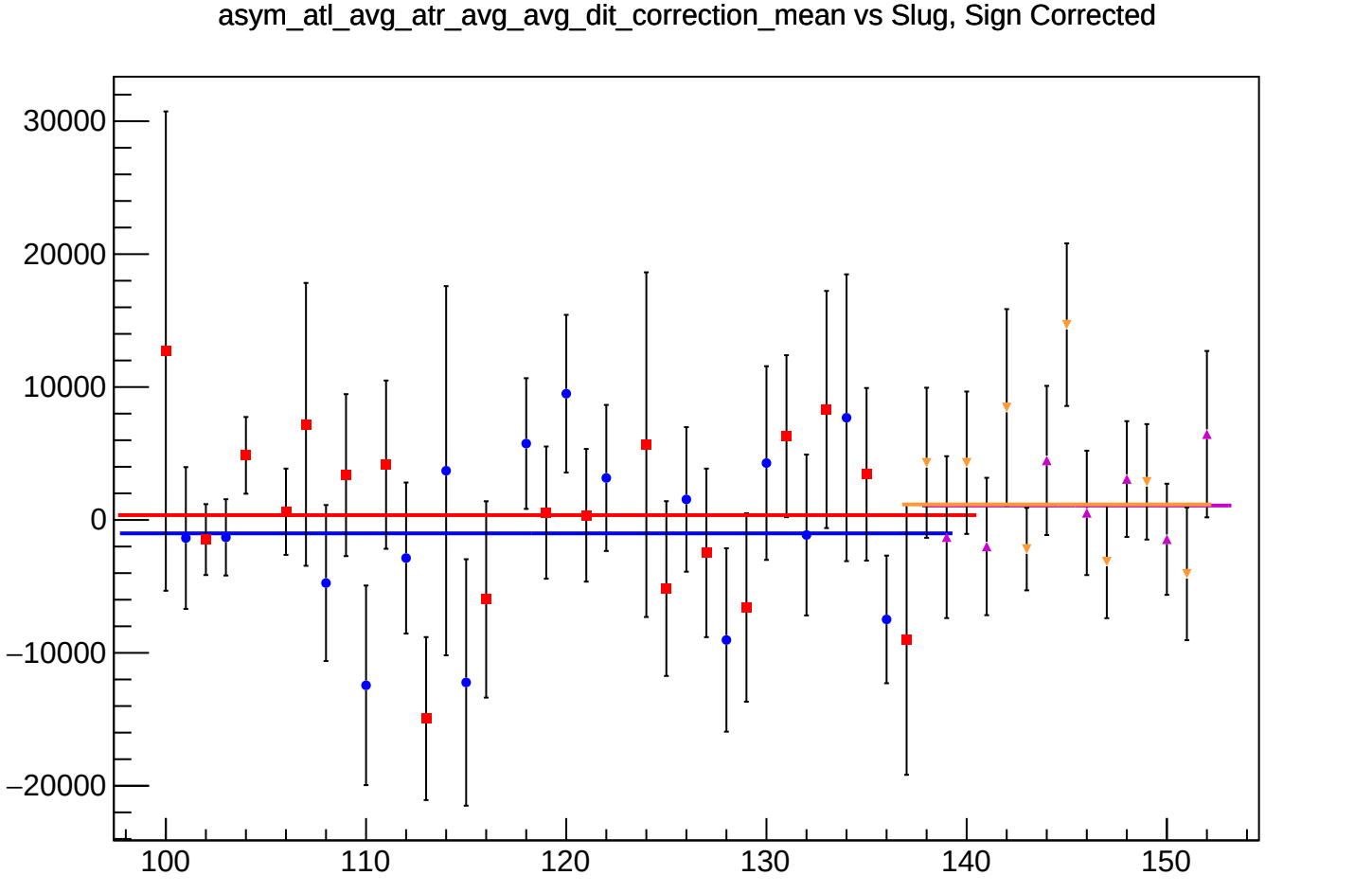
Left: 1319.324+/-0.267 χ^2/NDF: 236855.7/14

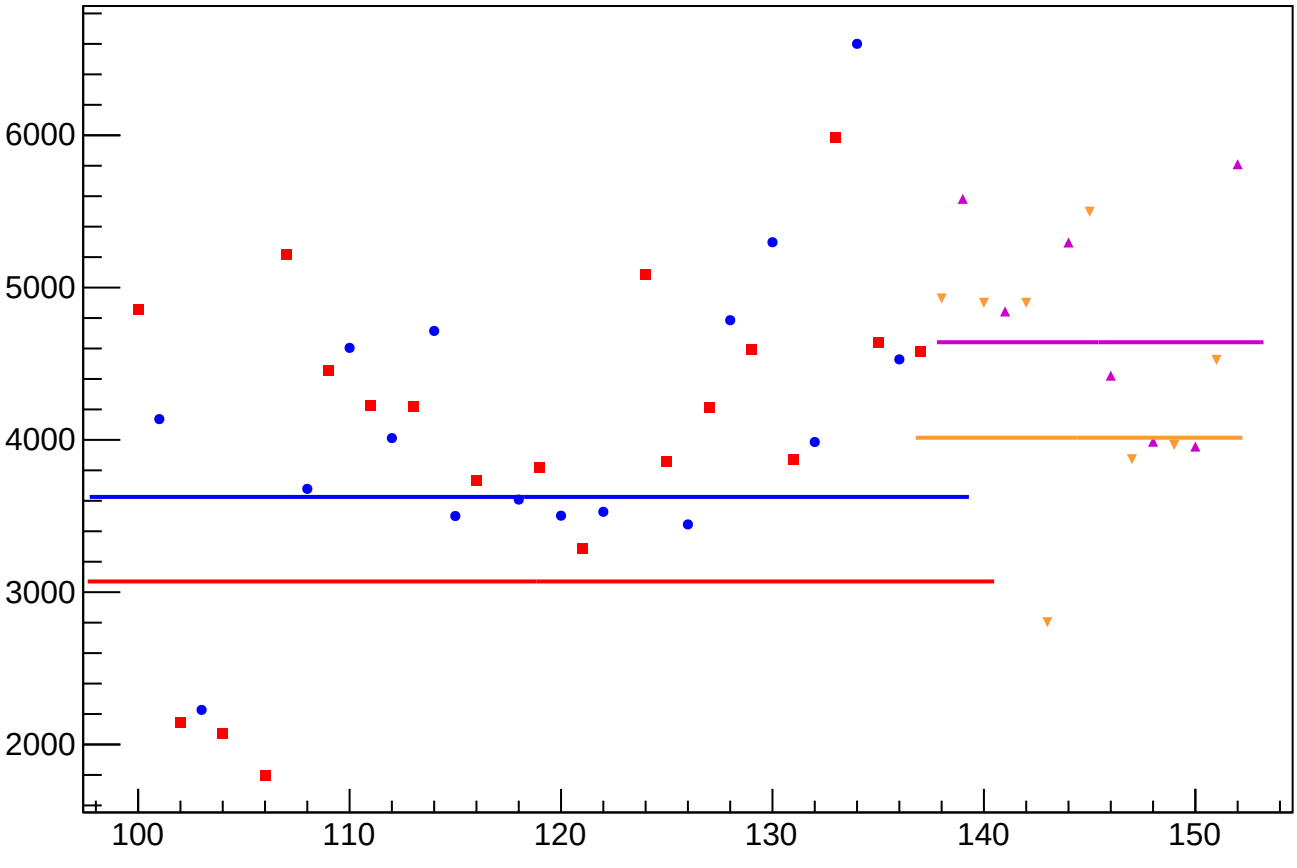
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1353.200+/-0.264 χ^2/NDF:517170.5/22

Out: 1313.983+/-0.256 χ^2/NDF:479939.1/26

All: 1332.972+/-0.184 χ^2/NDF: 1008455.3/49


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: 1085.611+/-1899.017 χ²/NDF:2.2/6
Left: 1131.252+/-1249.776 χ²/NDF: 12.1/14
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -266.948+/-1129.194 χ²/NDF:17.6/22
Out: 640.397+/-973.817 χ²/NDF:26.3/26
All: 253.398+/-737.458 χ²/NDF: 44.3/49



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: 4641.157+/-1.343 χ^2/NDF:250897.8/6

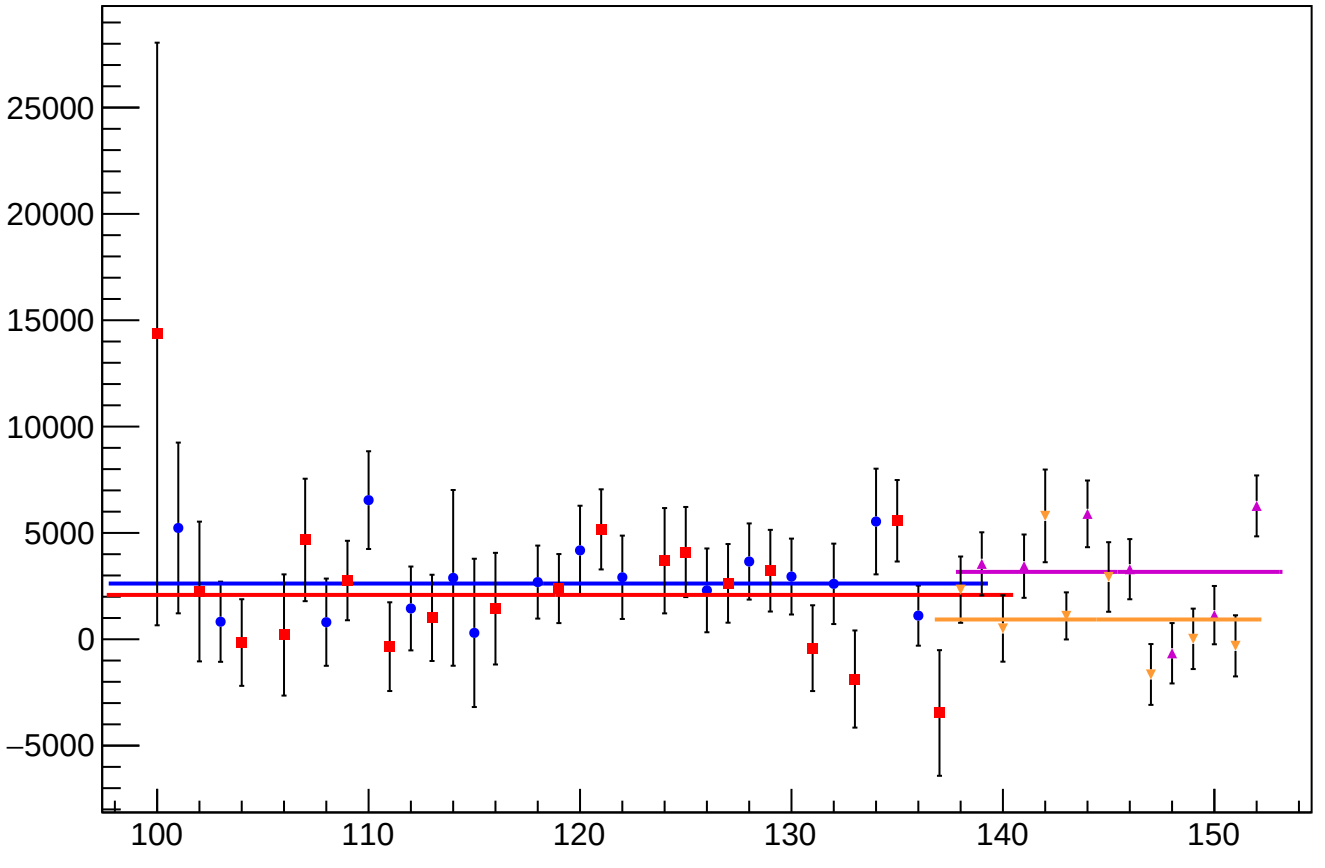
Left: 4285.726+/-0.884 χ^2/NDF: 955221.0/14

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 3984.617+/-0.798 χ^2/NDF:1565610.3/22

Out: 3395.251+/-0.689 χ^2/NDF:2843358.7/26

All: 3646.626+/-0.521 χ^2/NDF: 4721420.1/49



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: 3168.250+/-548.103 χ^2/NDF:17.3/6

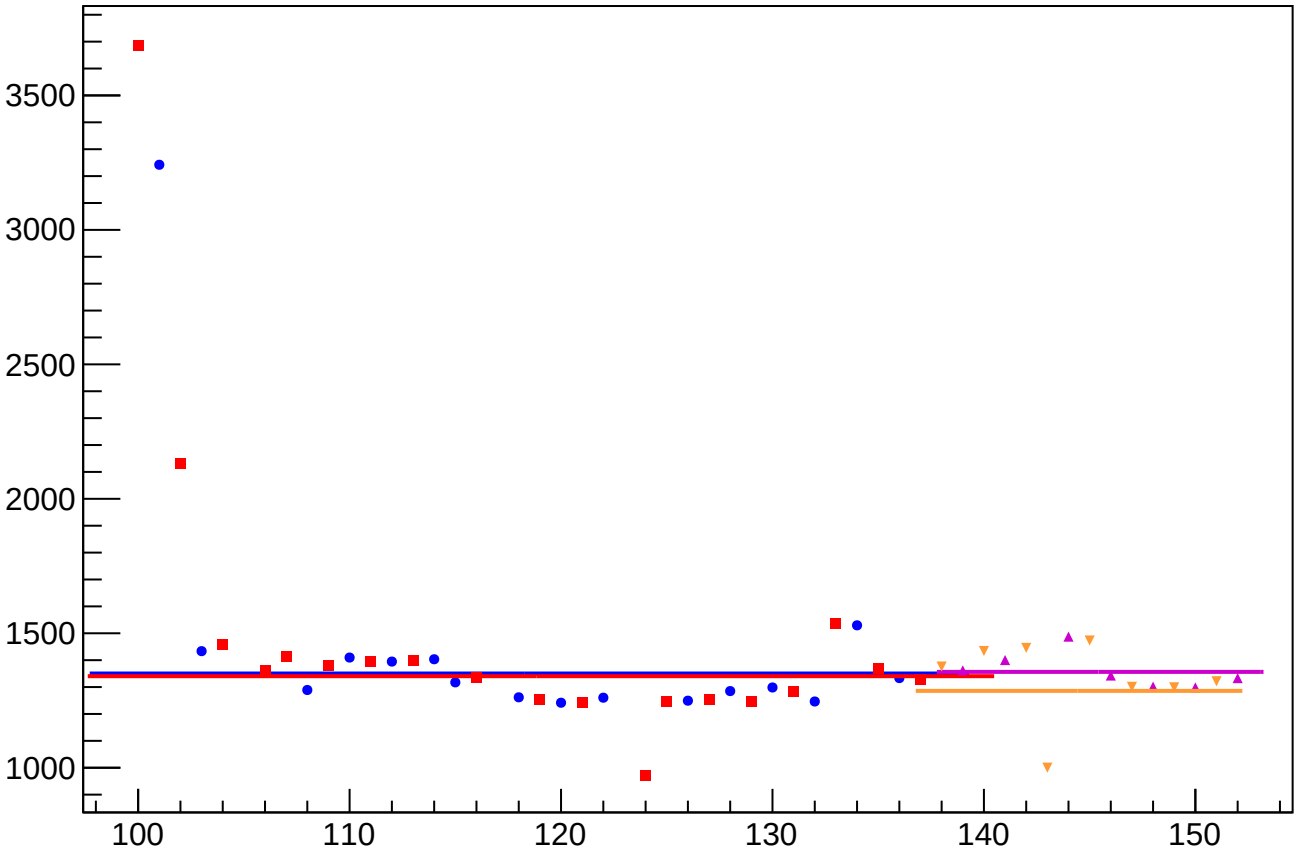
Left: 1991.829+/-377.465 χ^2/NDF: 37.9/14

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2875.500+/-373.960 χ^2/NDF:27.1/22

Out: 1525.775+/-362.429 χ^2/NDF:35.3/26

All: 2179.508+/-260.257 χ^2/NDF: 69.2/49



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: 1356.453+/-0.388 χ^2/NDF:22988.0/6

Left: 1319.325+/-0.267 χ^2/NDF: 236856.2/14

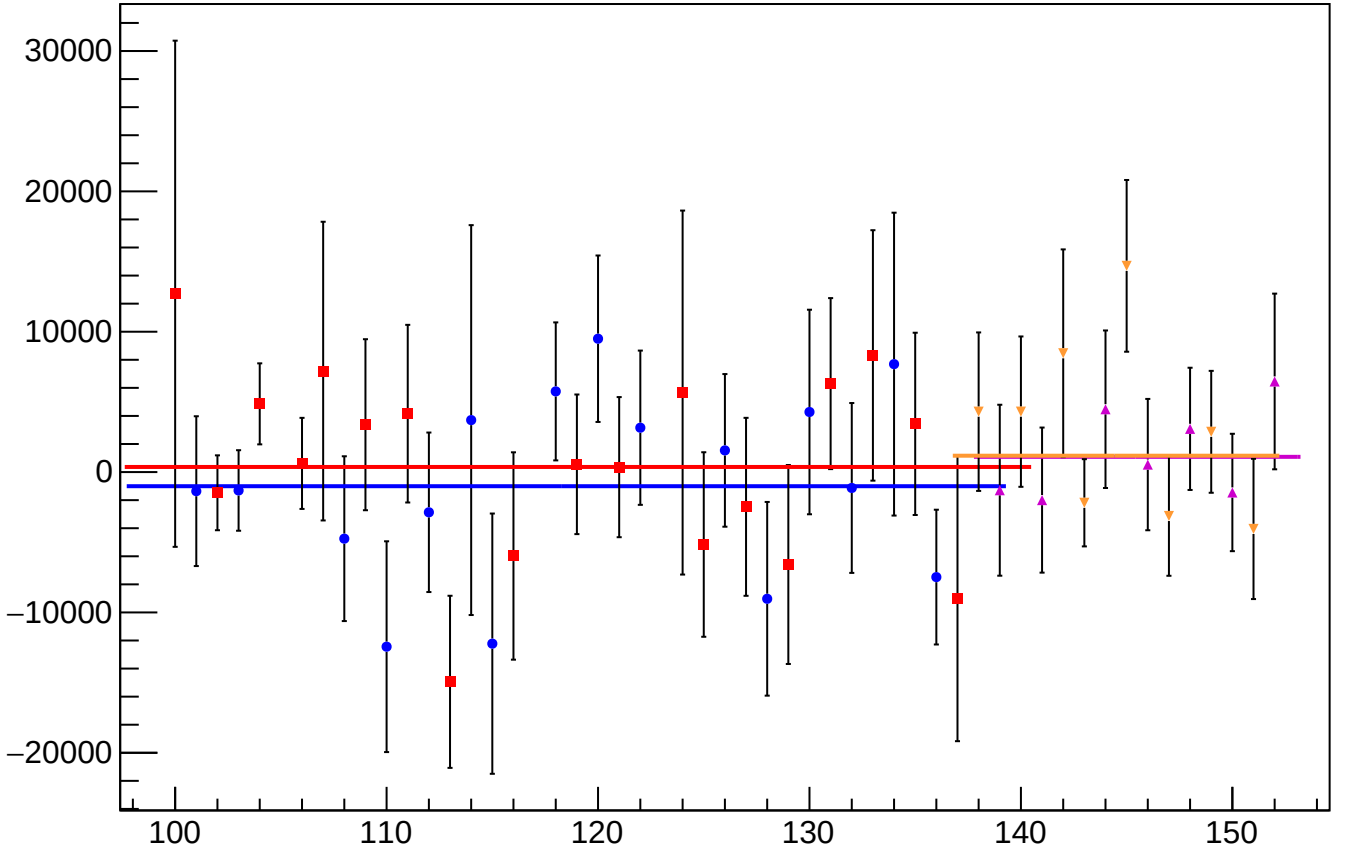
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1353.201+/-0.264 χ^2/NDF:517170.9/22

Out: 1313.983+/-0.256 χ^2/NDF:479937.7/26

All: 1332.972+/-0.184 χ^2/NDF: 1008454.4/49

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: 1085.610+/-1899.020 χ^2/NDF:2.2/6

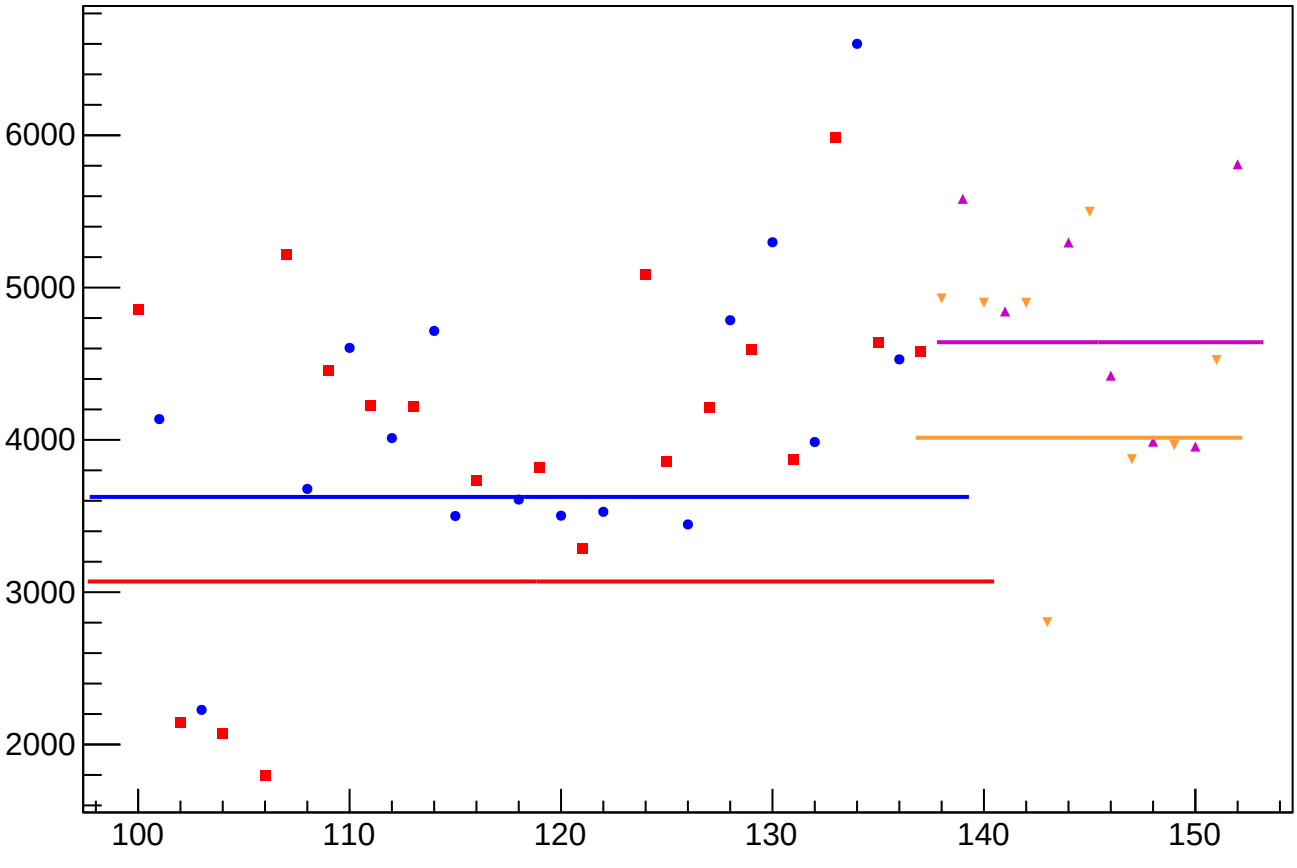
Left: 1131.250+/-1249.777 χ^2/NDF: 12.1/14

Right: -215.528+/-913.428 χ^2/NDF: 31.4/34

In: -266.946+/-1129.193 χ^2/NDF:17.6/22

Out: 640.396+/-973.816 χ^2/NDF:26.3/26

All: 253.398+/-737.457 χ^2/NDF: 44.3/49



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: 4641.162+/-1.343 χ^2/NDF:250898.5/6

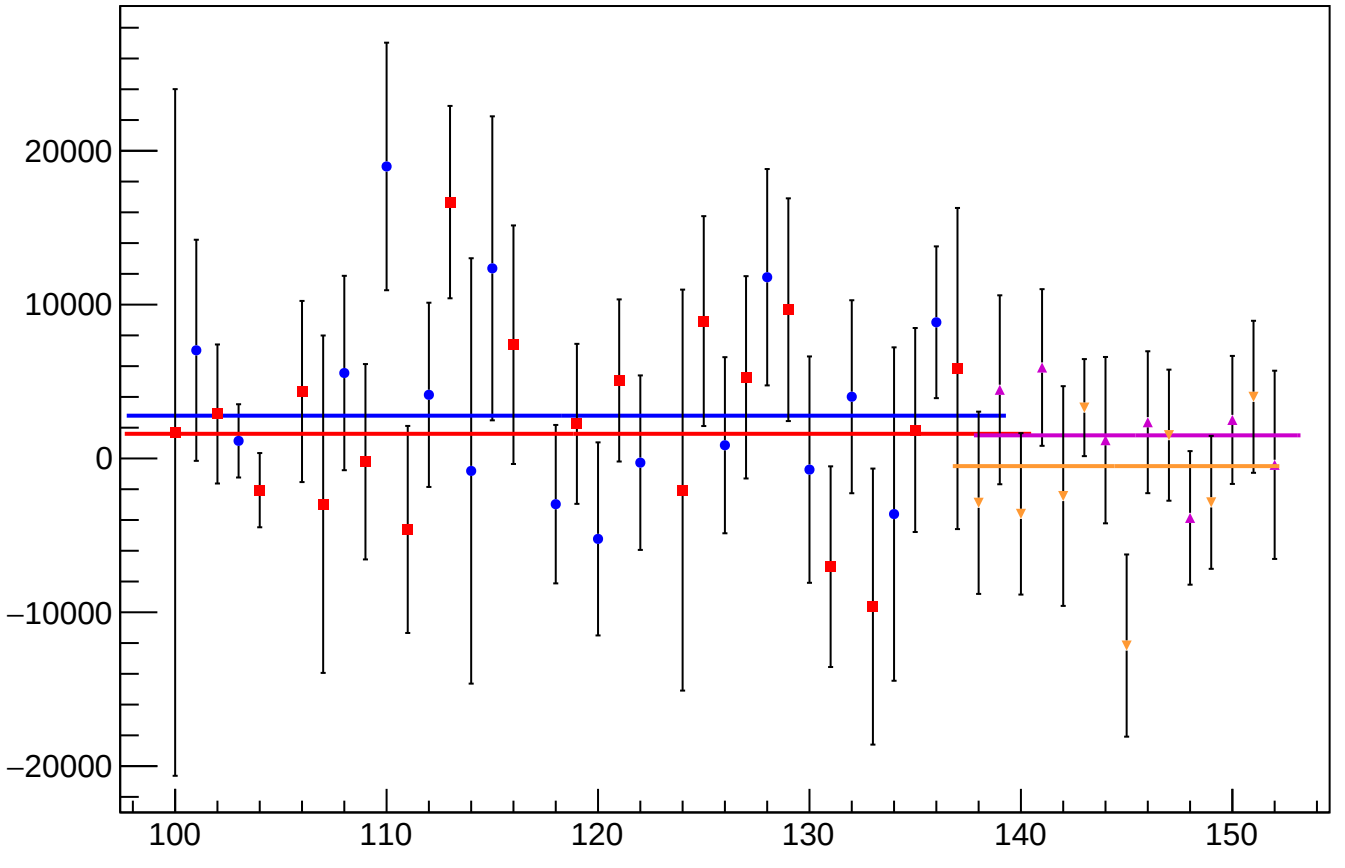
Left: 4285.732+/-0.884 χ^2/NDF: 955221.3/14

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 3984.611+/-0.798 χ^2/NDF:1565623.9/22

Out: 3395.246+/-0.689 χ^2/NDF:2843374.6/26

All: 3646.621+/-0.521 χ^2/NDF: 4721450.3/49



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: 1502.499+/-1877.178 χ^2/NDF:2.7/6

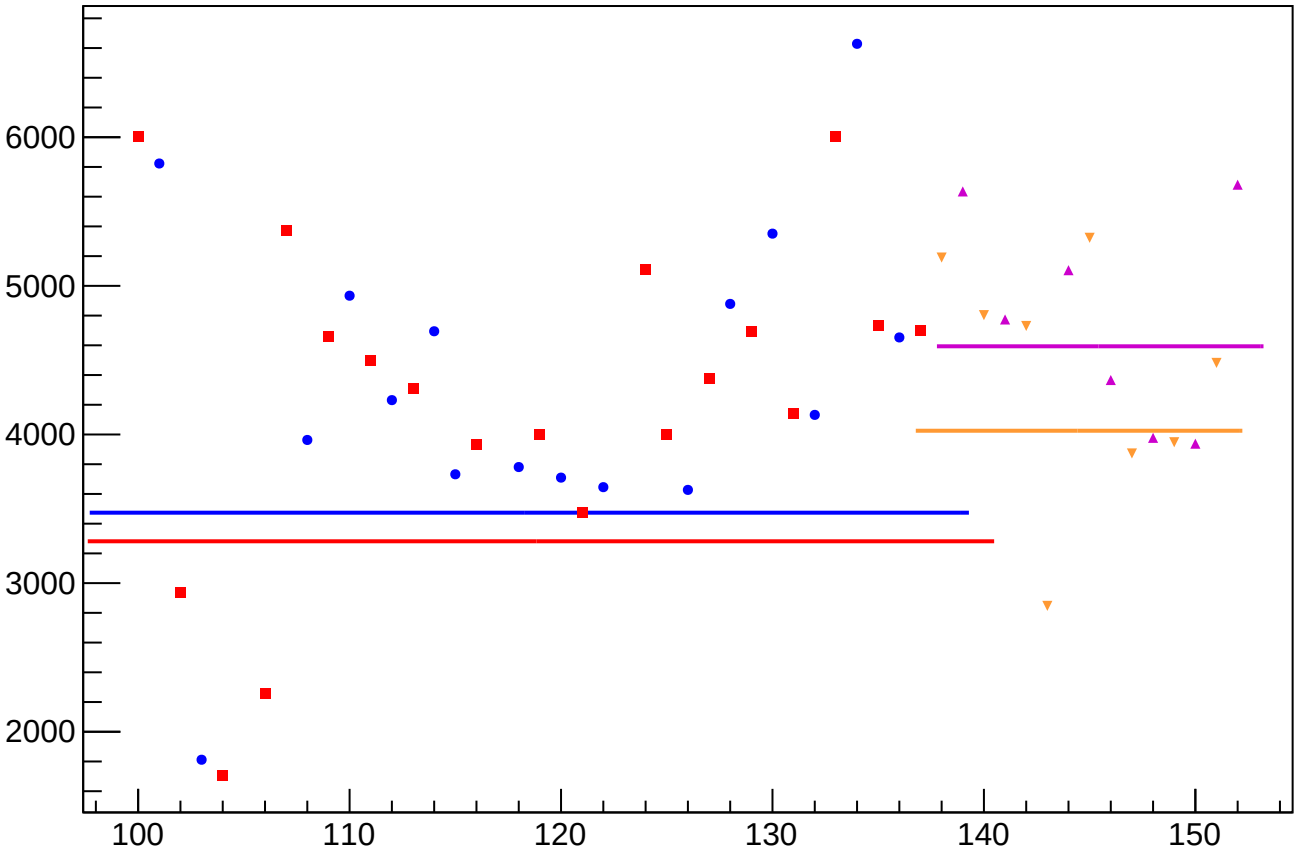
Left: 379.776+/-1243.442 χ^2/NDF: 10.6/14

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2328.401+/-1116.796 χ^2/NDF:16.2/22

Out: 775.982+/-1041.222 χ^2/NDF:25.0/26

All: 1497.892+/-761.572 χ^2/NDF: 42.3/49



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: 4593.370+/-1.327 χ^2/NDF:235845.9/6

Left: 4274.536+/-0.879 χ^2/NDF: 874824.4/14

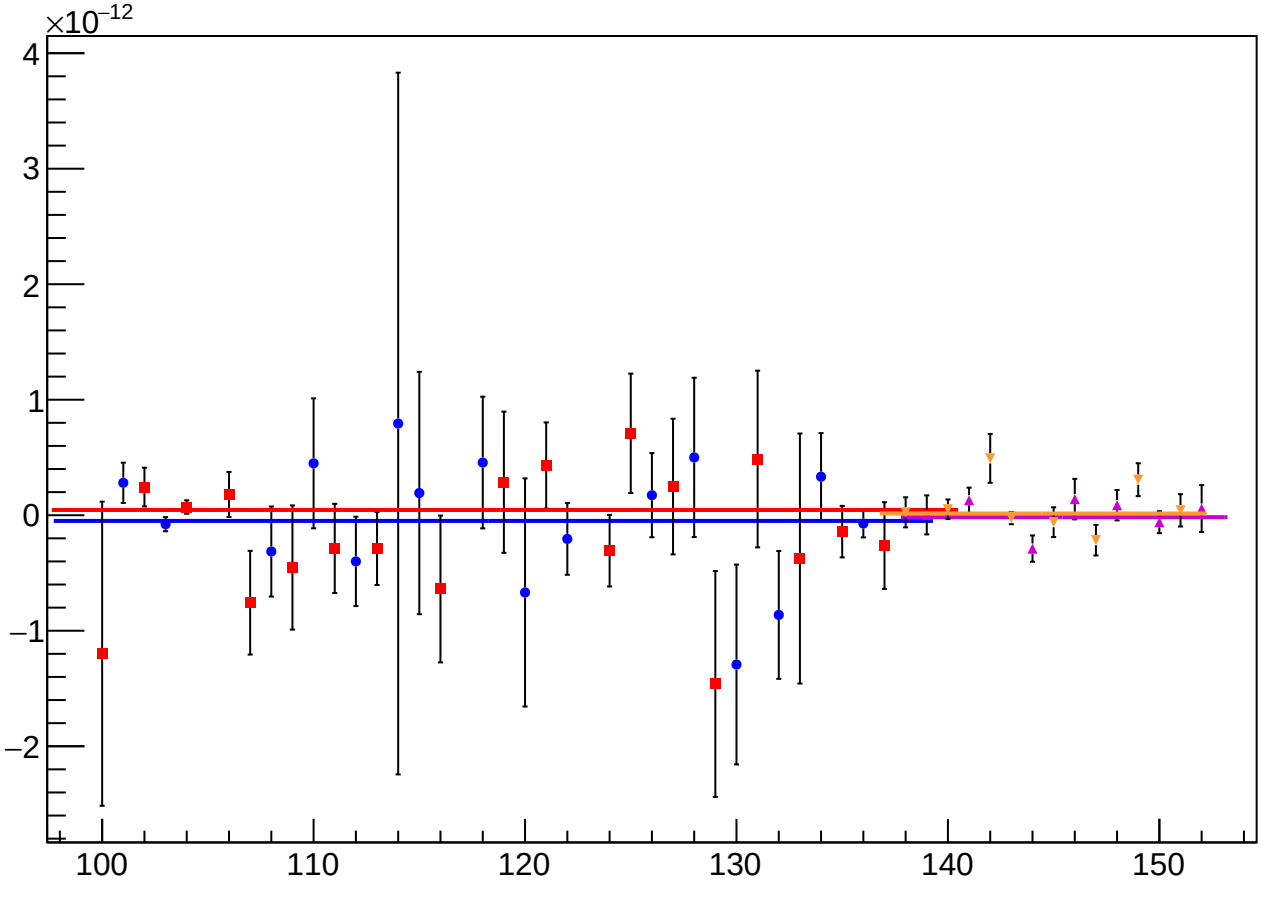
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 3870.127+/-0.790 χ^2/NDF:2539343.1/22

Out: 3569.308+/-0.730 χ^2/NDF:2657871.7/26

All: 3707.941+/-0.536 χ^2/NDF: 5275450.3/49

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/6

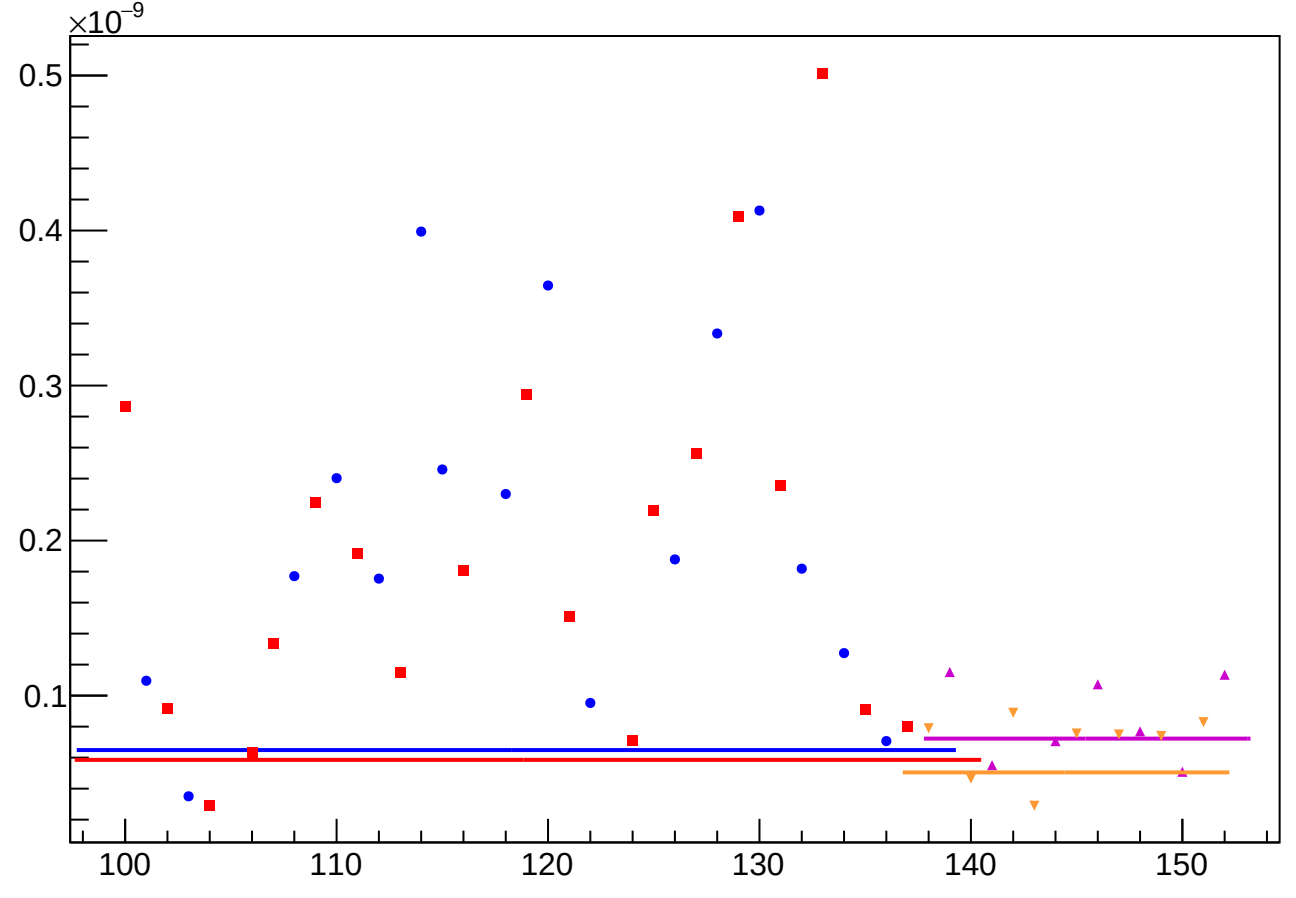
Left: 0.000+/-0.000 χ^2/NDF: 23.1/14

Right: -0.000+/-0.000 χ^2/NDF: 34.2/34

In: -0.000+/-0.000 χ^2/NDF:23.2/22

Out: 0.000+/-0.000 χ^2/NDF:32.3/26

All: 0.000+/-0.000 χ^2/NDF: 57.3/49



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:445101.0/6

Left: 0.000+/-0.000 χ^2/NDF: 1509532.0/14

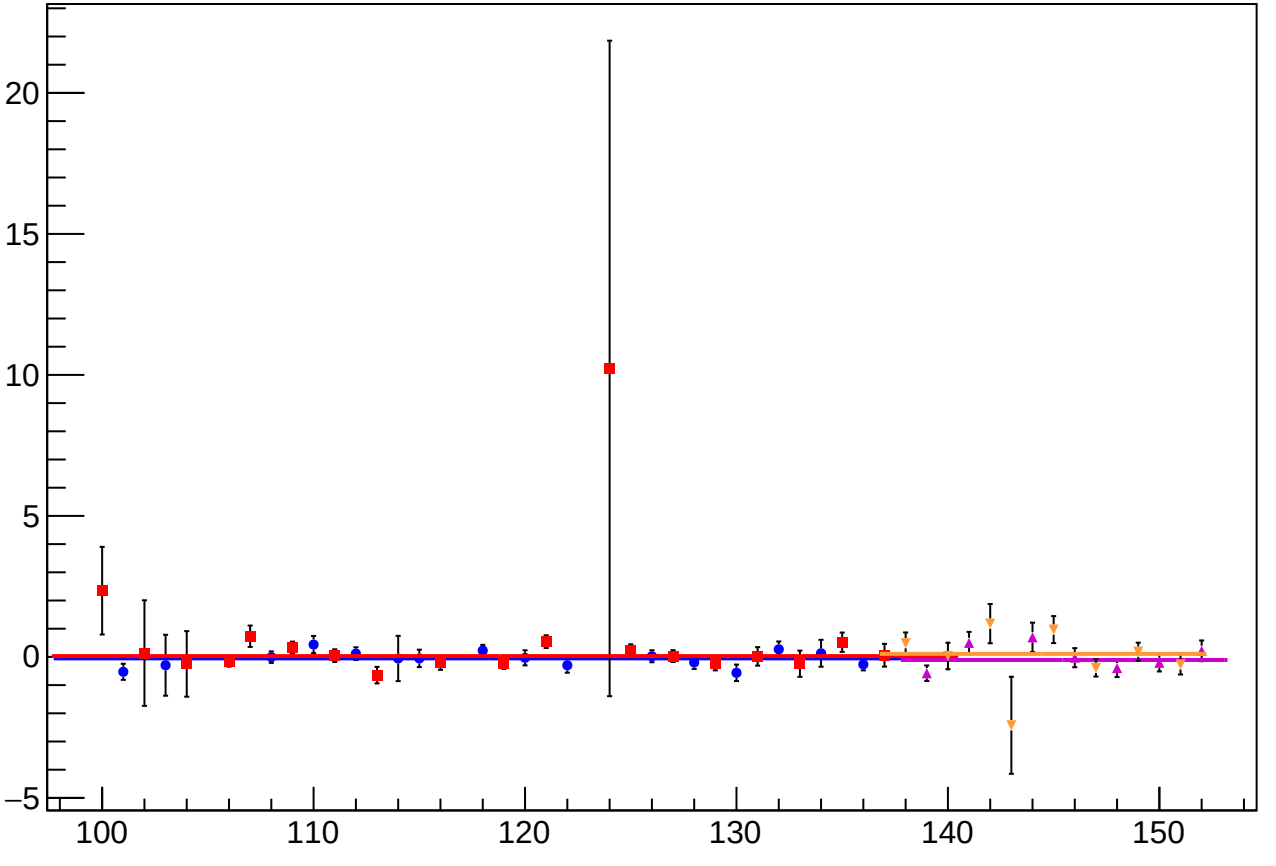
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3061044.8/22

Out: 0.000+/-0.000 χ^2/NDF:3695216.4/26

All: 0.000+/-0.000 χ^2/NDF: 6988283.0/49

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: -0.109+/-0.129 χ^2/NDF:9.5/6

Left: -0.015+/-0.097 χ^2/NDF: 23.2/14

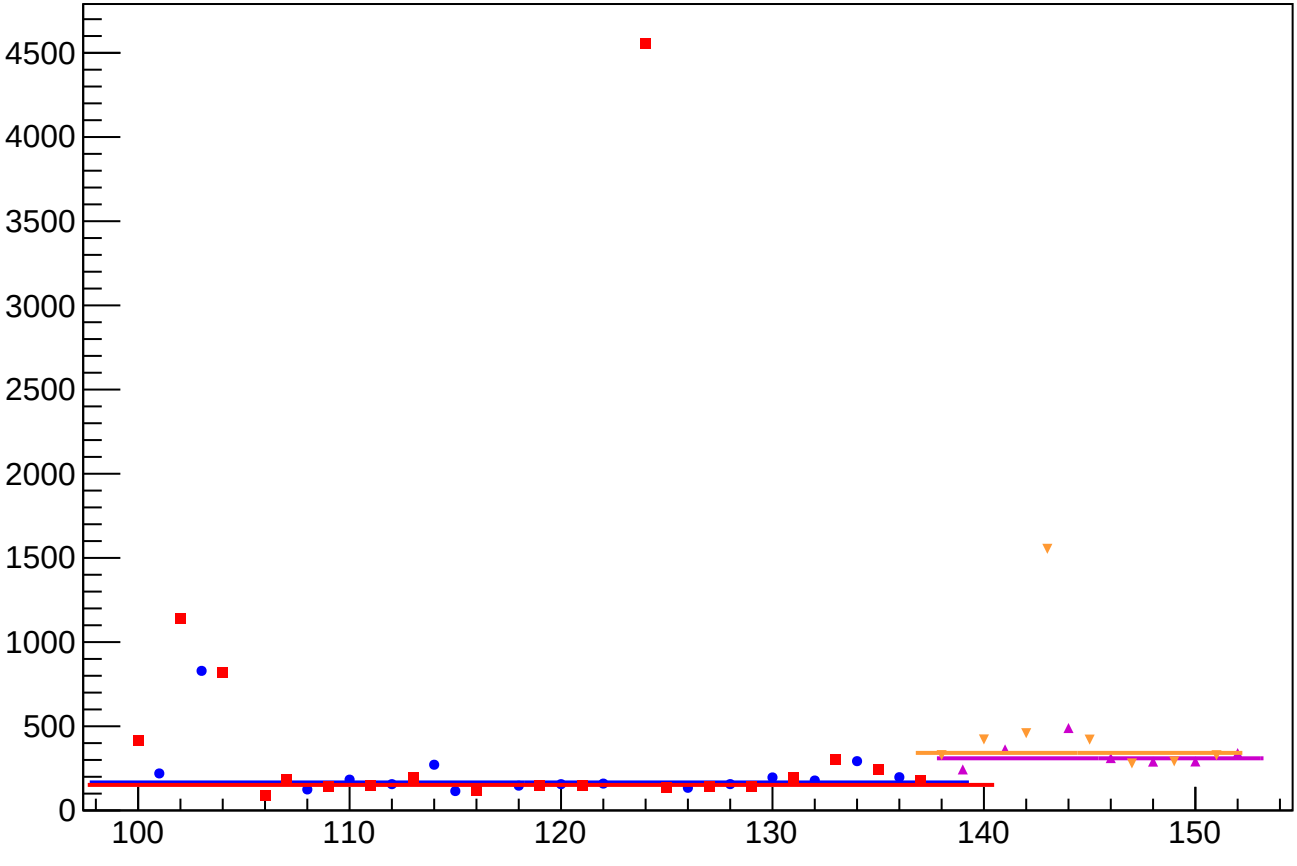
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.063+/-0.059 χ^2/NDF:24.5/22

Out: 0.042+/-0.059 χ^2/NDF:40.3/26

All: -0.010+/-0.042 χ^2/NDF: 66.4/49

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 341.934+/-0.104 χ^2/NDF:1298957.0/7

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 309.748+/-0.091 χ^2/NDF:421098.9/6

Left: 323.751+/-0.069 χ^2/NDF: 1774140.0/14

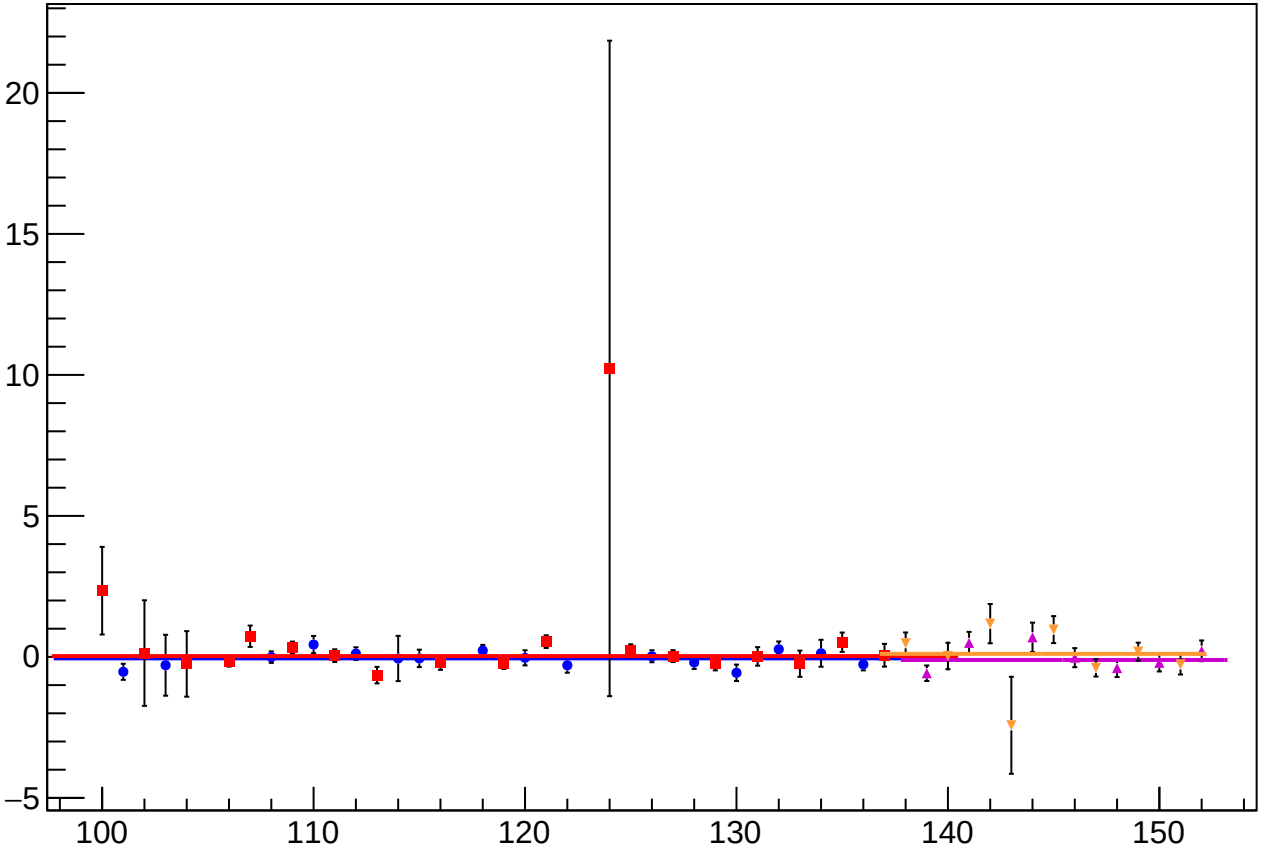
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 196.591+/-0.042 χ^2/NDF:3650882.0/22

Out: 182.068+/-0.042 χ^2/NDF:6423650.1/26

All: 189.259+/-0.029 χ^2/NDF: 10135137.2/49

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: -0.109+/-0.129 χ^2/NDF:9.5/6

Left: -0.015+/-0.097 χ^2/NDF: 23.2/14

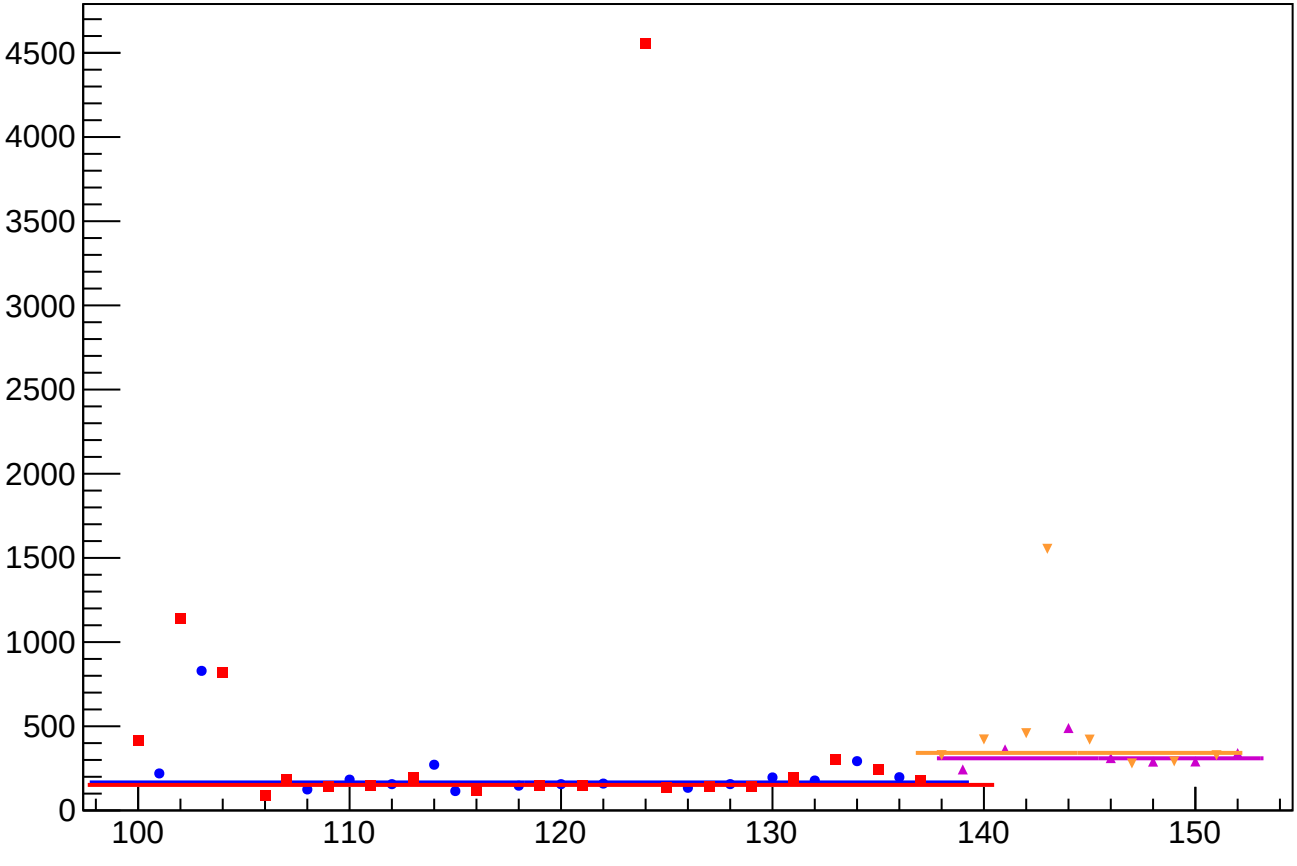
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.063+/-0.059 χ^2/NDF:24.5/22

Out: 0.042+/-0.059 χ^2/NDF:40.3/26

All: -0.010+/-0.042 χ^2/NDF: 66.4/49

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: 309.748+/-0.091 χ^2/NDF:421098.9/6

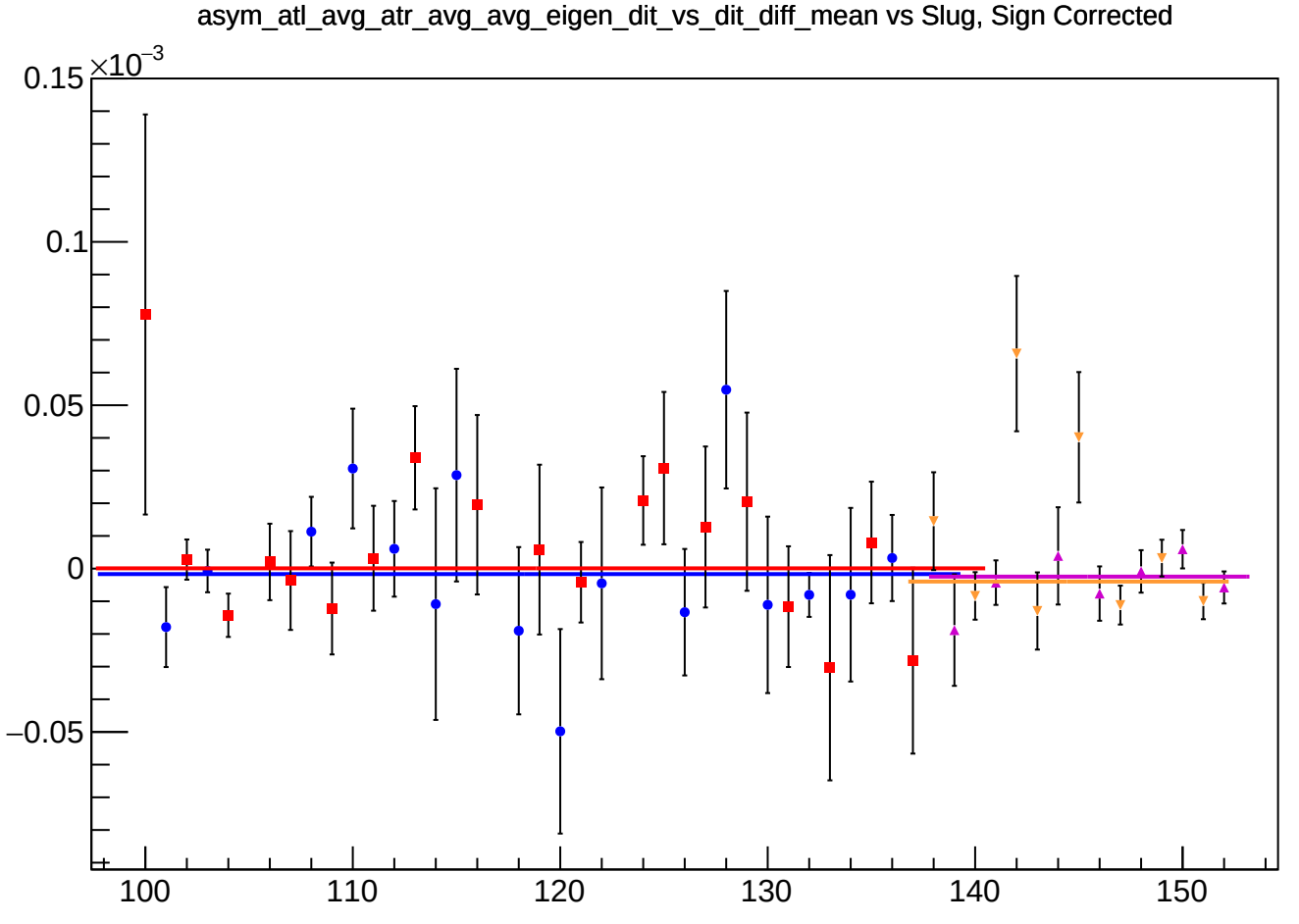
Left: 323.751+/-0.069 χ^2/NDF: 1774140.0/14

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 196.591+/-0.042 χ^2/NDF:3650882.0/22

Out: 182.068+/-0.042 χ^2/NDF:6423650.1/26

All: 189.259+/-0.029 χ^2/NDF: 10135137.2/49



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:4.1/6

Left: -0.000+/-0.000 χ^2/NDF: 24.5/14

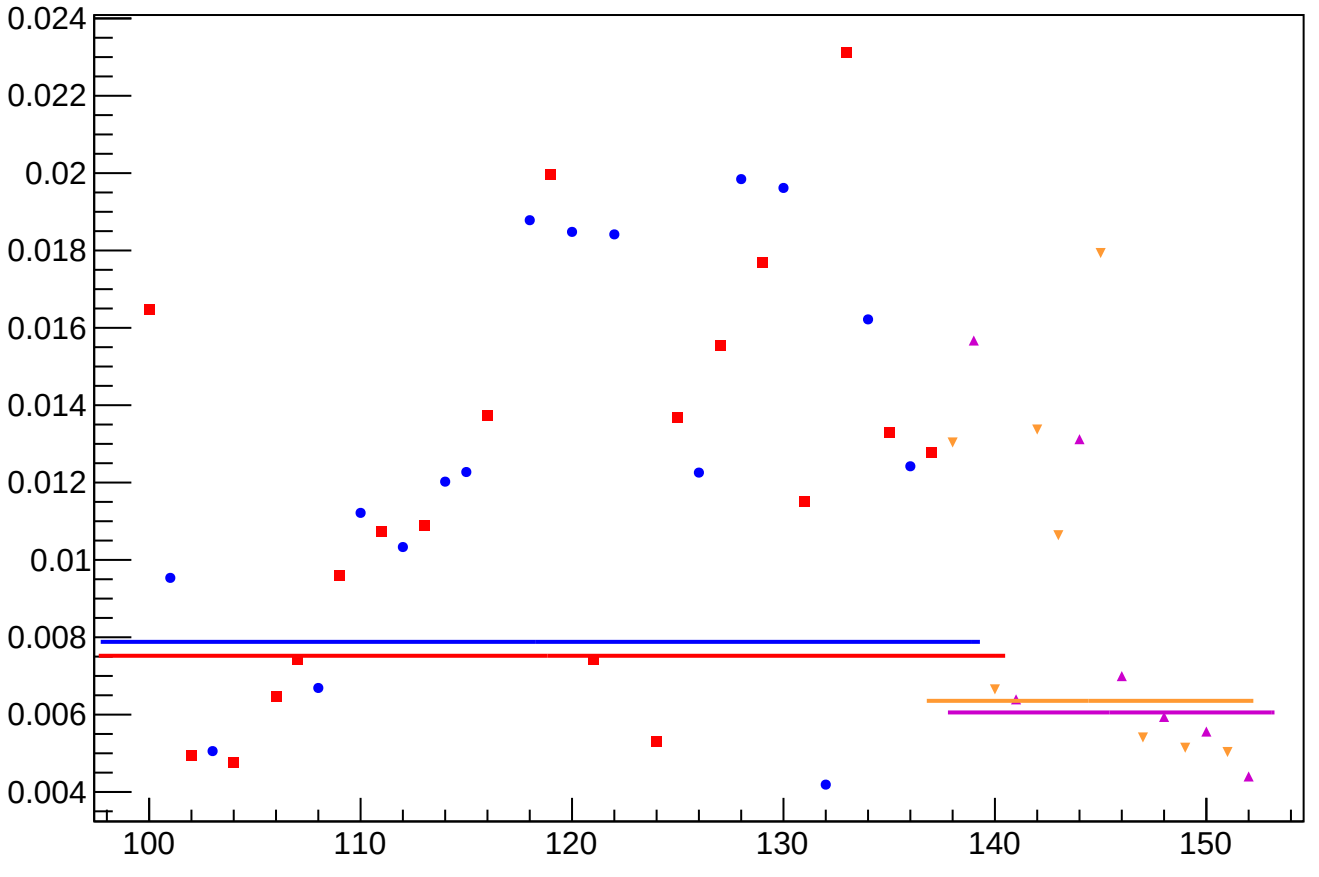
Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:19.6/22

Out: -0.000+/-0.000 χ^2/NDF:41.0/26

All: -0.000+/-0.000 χ^2/NDF: 60.7/49

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: 0.006+/-0.000 χ^2/NDF:1358826.3/6

Left: 0.006+/-0.000 χ^2/NDF: 3138601.3/14

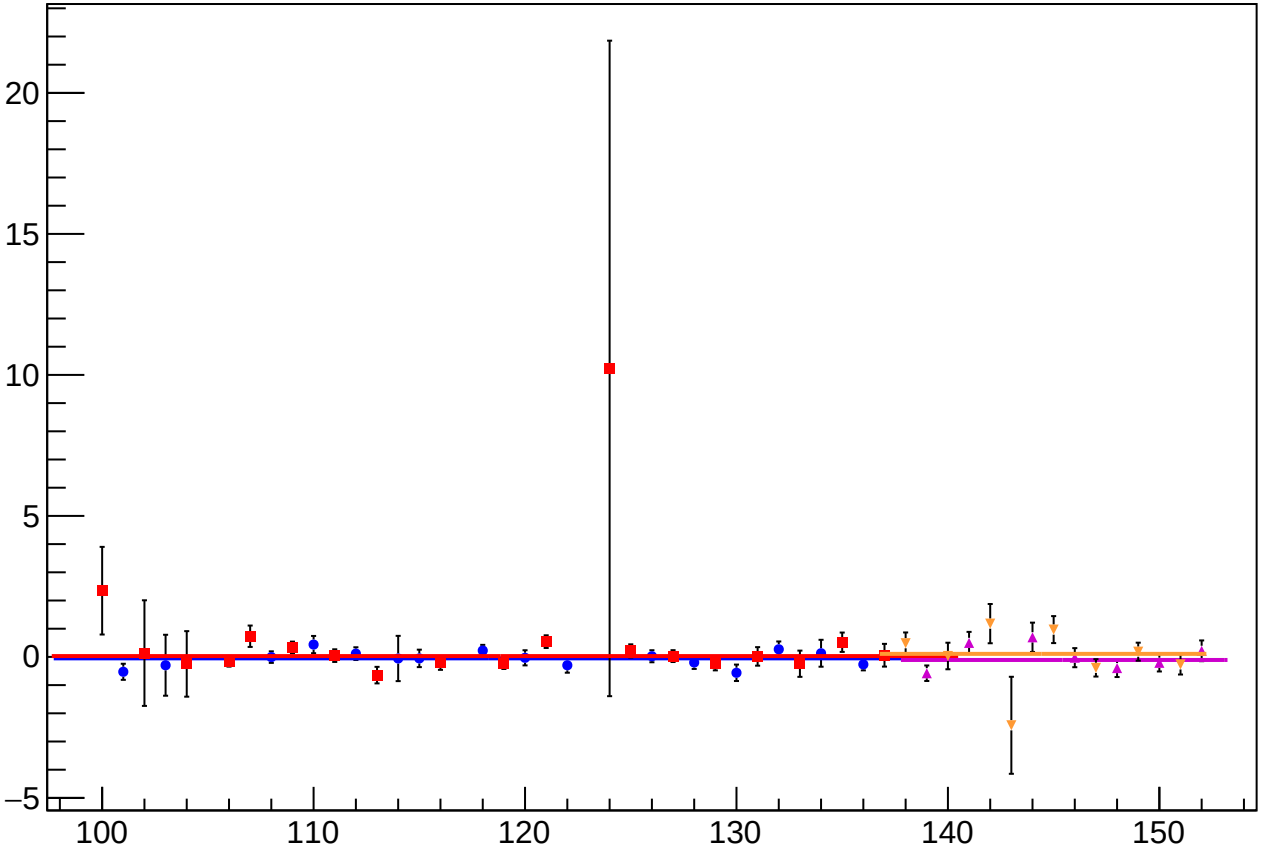
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:5014871.4/22

Out: 0.007+/-0.000 χ^2/NDF:4896353.5/26

All: 0.007+/-0.000 χ^2/NDF: 9914261.4/49

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: -0.109+/-0.129 χ^2/NDF:9.5/6

Left: -0.015+/-0.097 χ^2/NDF: 23.2/14

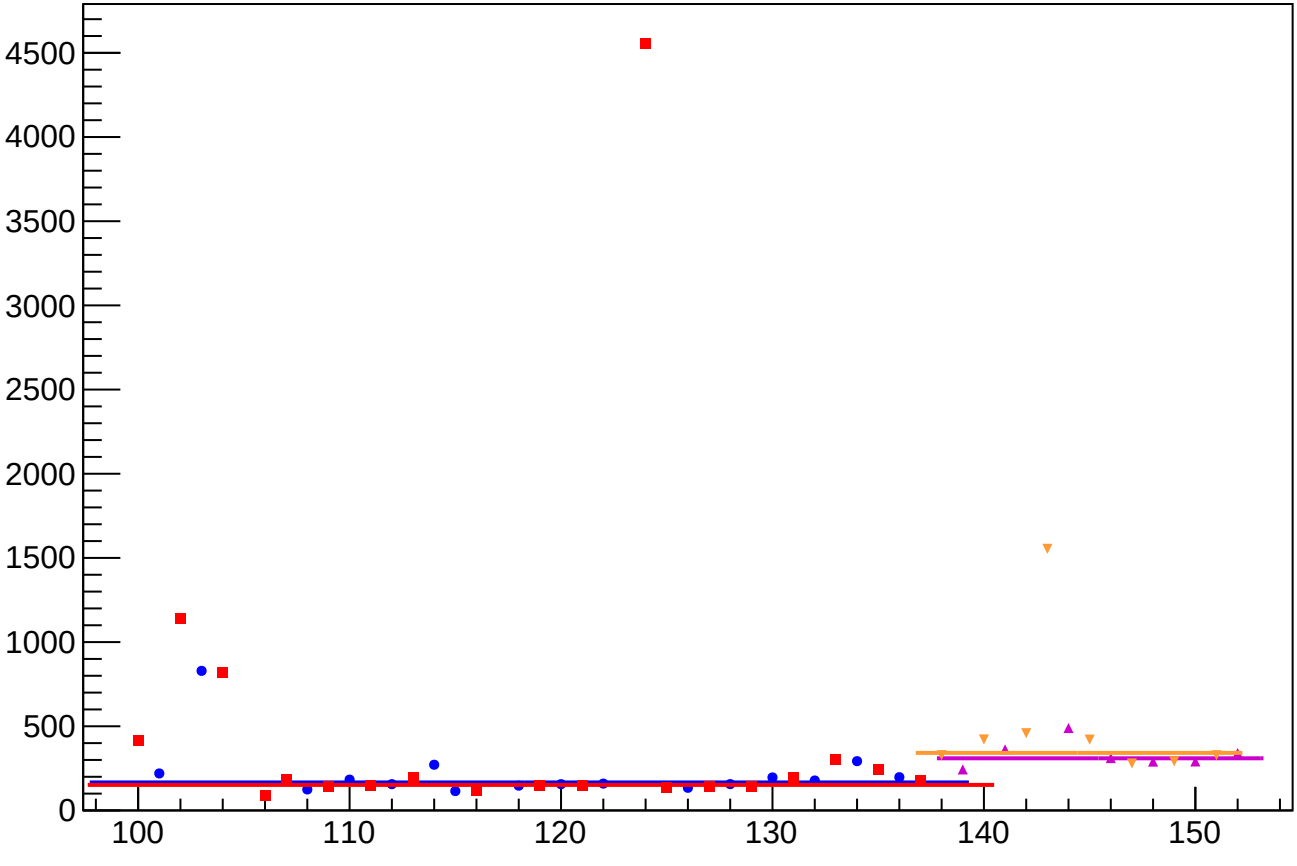
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.063+/-0.059 χ^2/NDF:24.5/22

Out: 0.042+/-0.059 χ^2/NDF:40.3/26

All: -0.010+/-0.042 χ^2/NDF: 66.4/49

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: 309.752+/-0.091 χ^2/NDF:421084.0/6

Left: 323.755+/-0.069 χ^2/NDF: 1774118.7/14

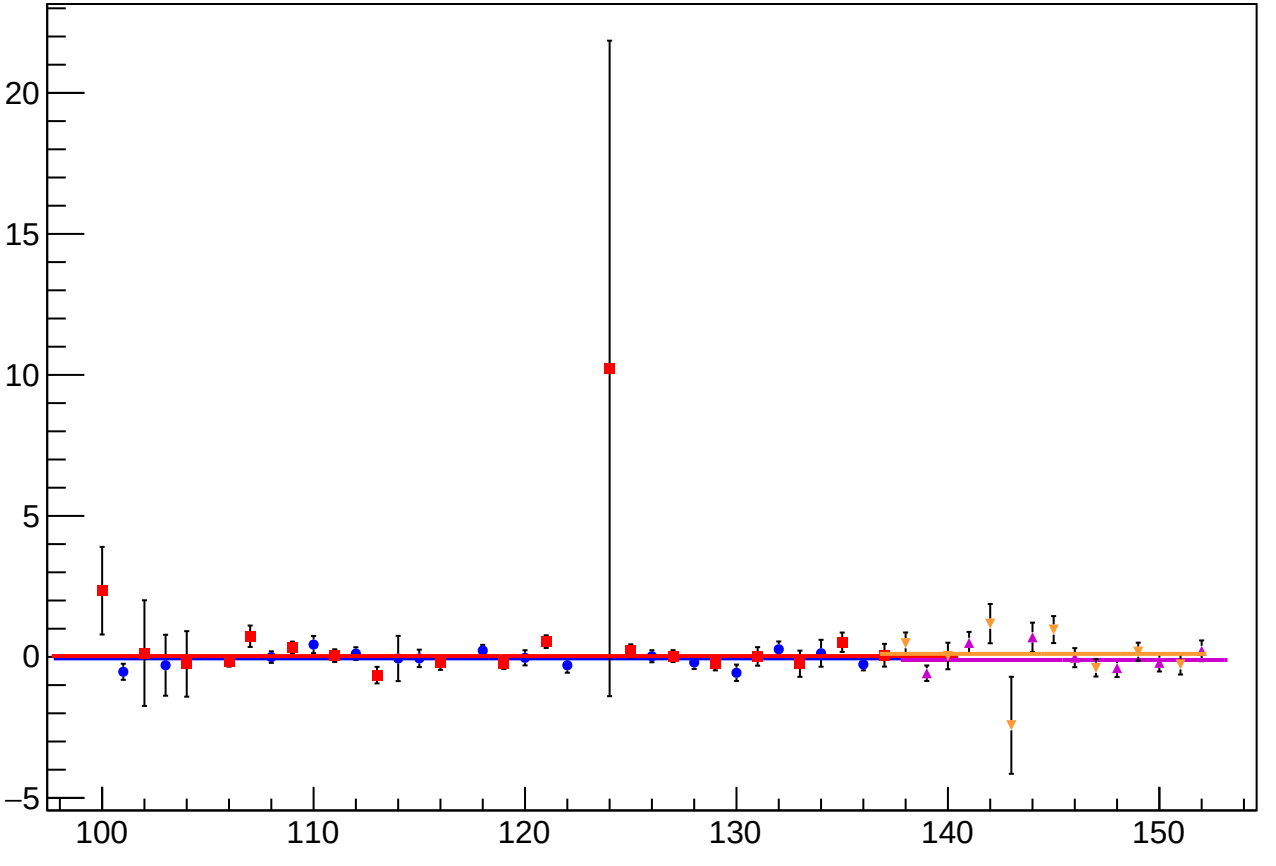
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 196.590+/-0.042 χ^2/NDF:3650962.7/22

Out: 182.067+/-0.042 χ^2/NDF:6423752.7/26

All: 189.258+/-0.029 χ^2/NDF: 10135328.7/49

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: -0.109+/-0.129 χ^2/NDF:9.5/6

Left: -0.015+/-0.097 χ^2/NDF: 23.2/14

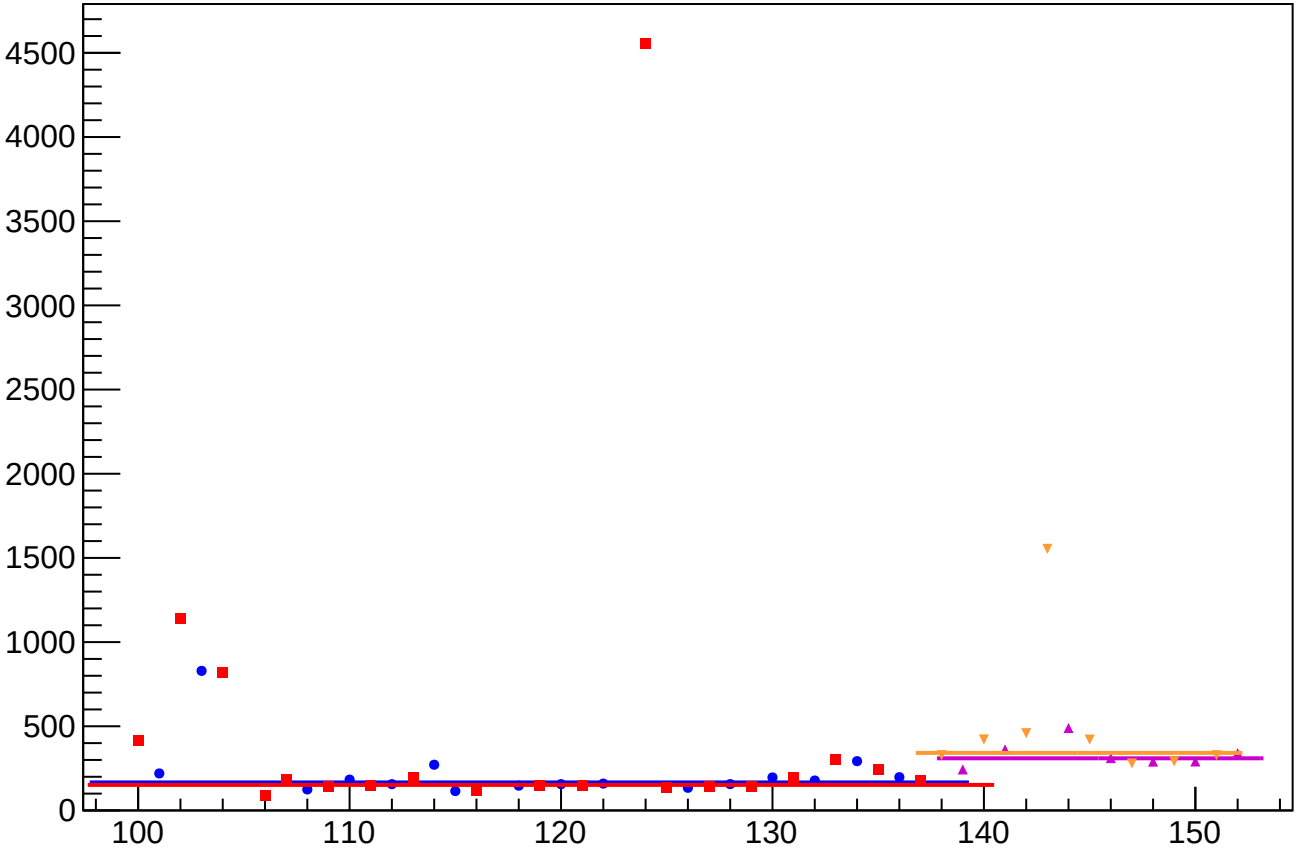
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.063+/-0.059 χ^2/NDF:24.5/22

Out: 0.042+/-0.059 χ^2/NDF:40.3/26

All: -0.010+/-0.042 χ^2/NDF: 66.4/49

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: 309.752+/-0.091 χ^2/NDF:421084.0/6

Left: 323.755+/-0.069 χ^2/NDF: 1774118.7/14

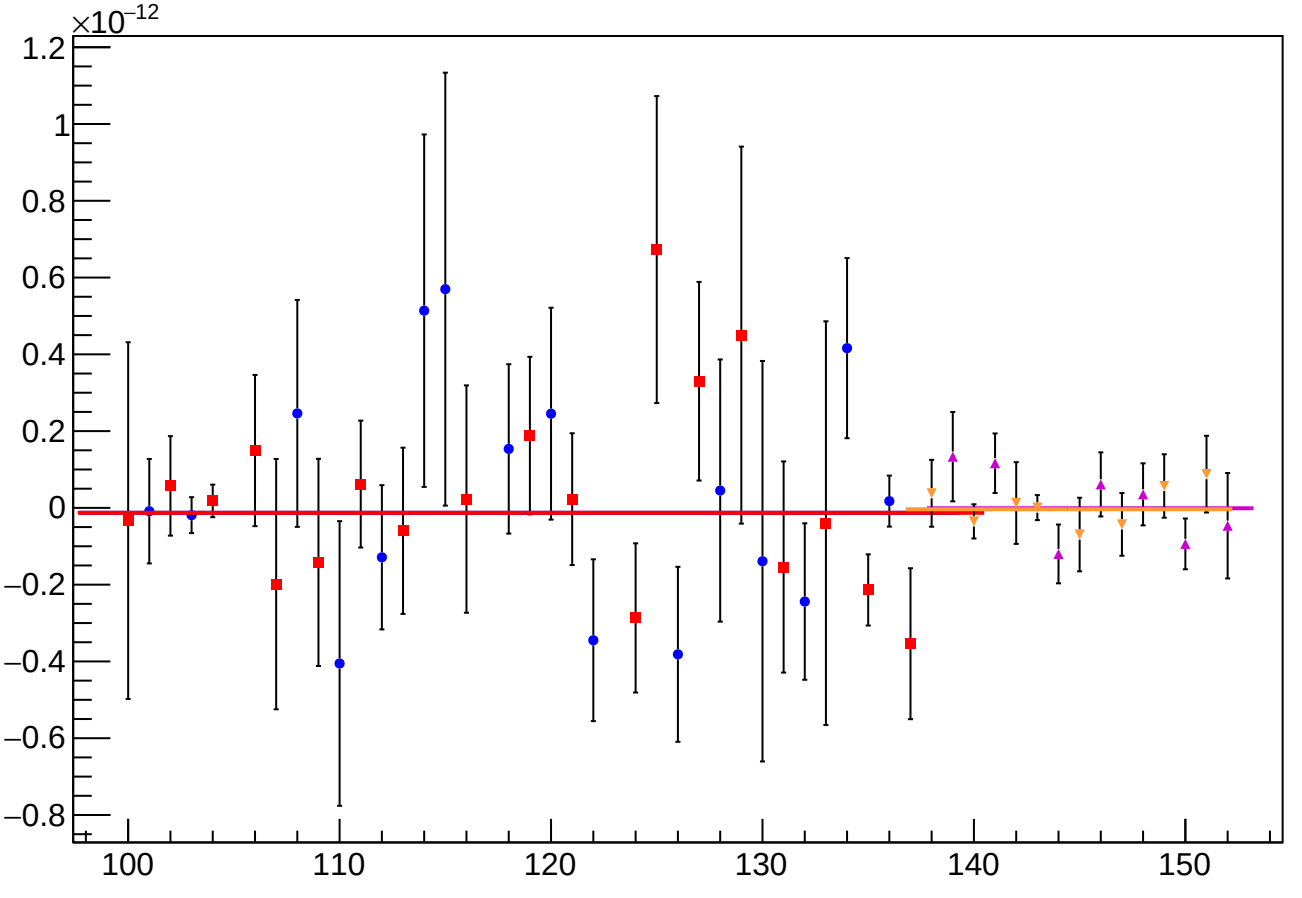
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 196.590+/-0.042 χ^2/NDF:3650962.7/22

Out: 182.067+/-0.042 χ^2/NDF:6423752.7/26

All: 189.258+/-0.029 χ^2/NDF: 10135328.7/49

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:8.9/6

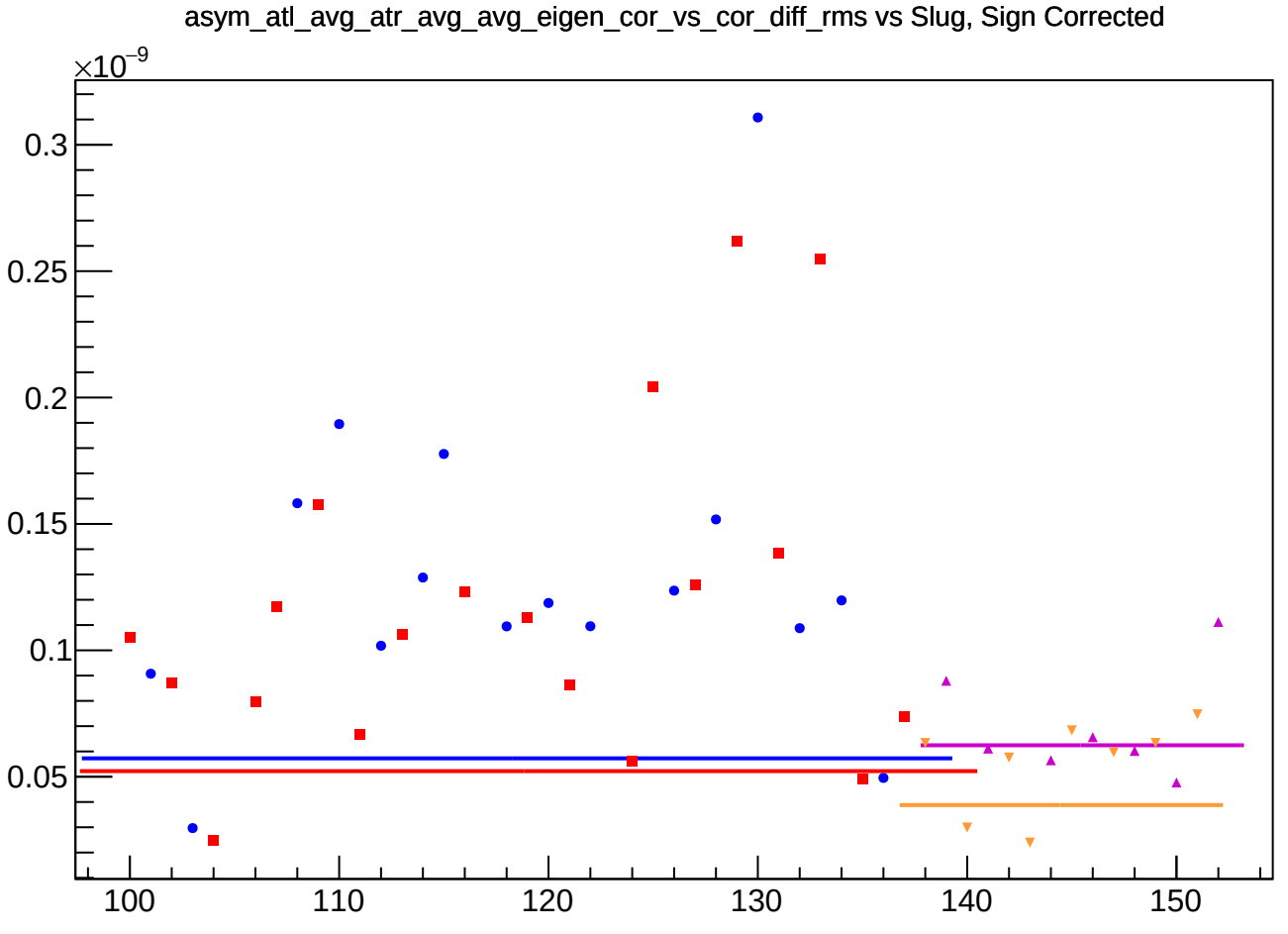
Left: -0.000+/-0.000 χ^2/NDF: 11.7/14

Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:25.1/22

Out: -0.000+/-0.000 χ^2/NDF:21.8/26

All: -0.000+/-0.000 χ^2/NDF: 46.9/49



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:464888.8/6

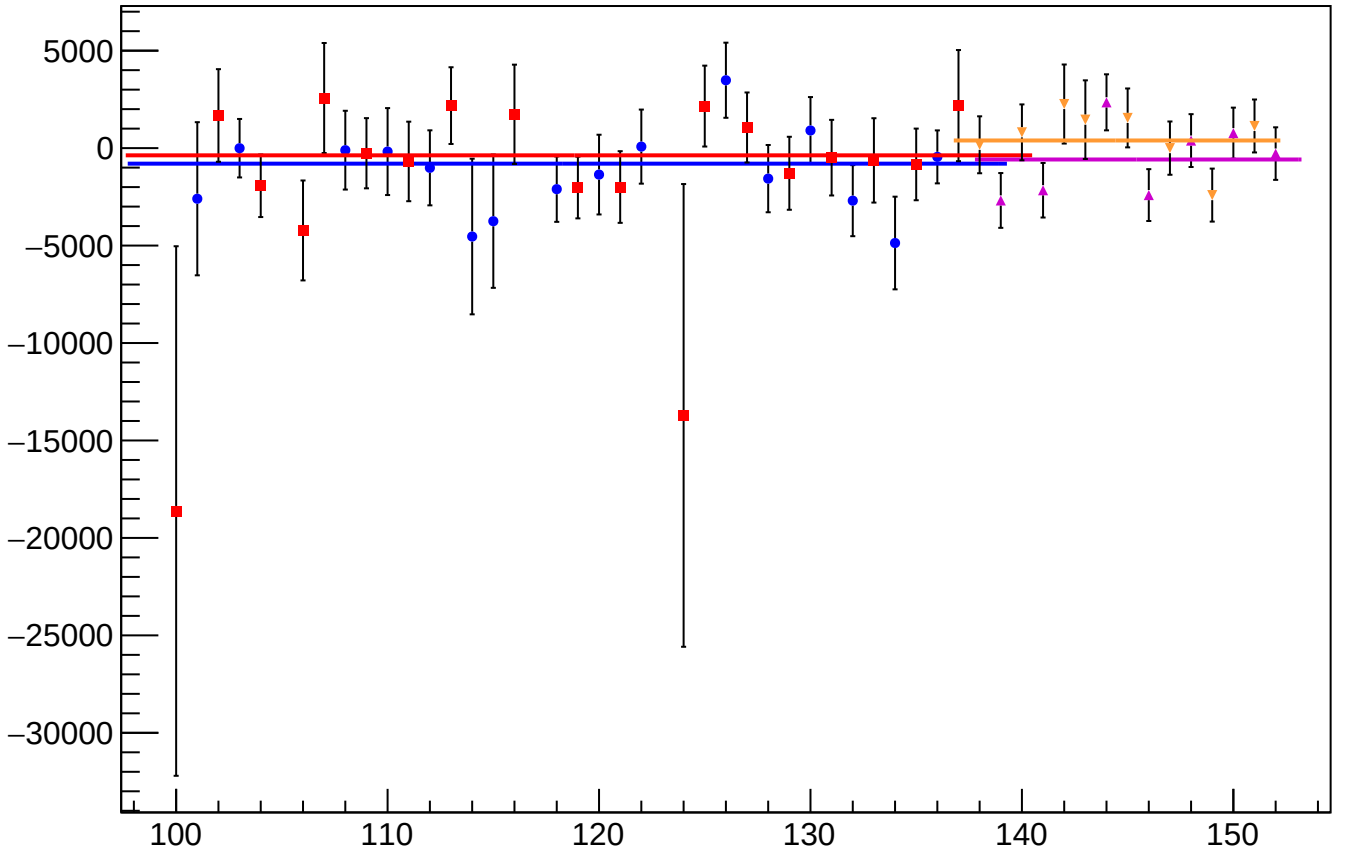
Left: 0.000+/-0.000 χ^2/NDF: 2696869.4/14

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:3473585.0/22

Out: 0.000+/-0.000 χ^2/NDF:5007901.0/26

All: 0.000+/-0.000 χ^2/NDF: 9162995.7/49



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: -583.590+/-516.914 χ^2/NDF:11.2/6

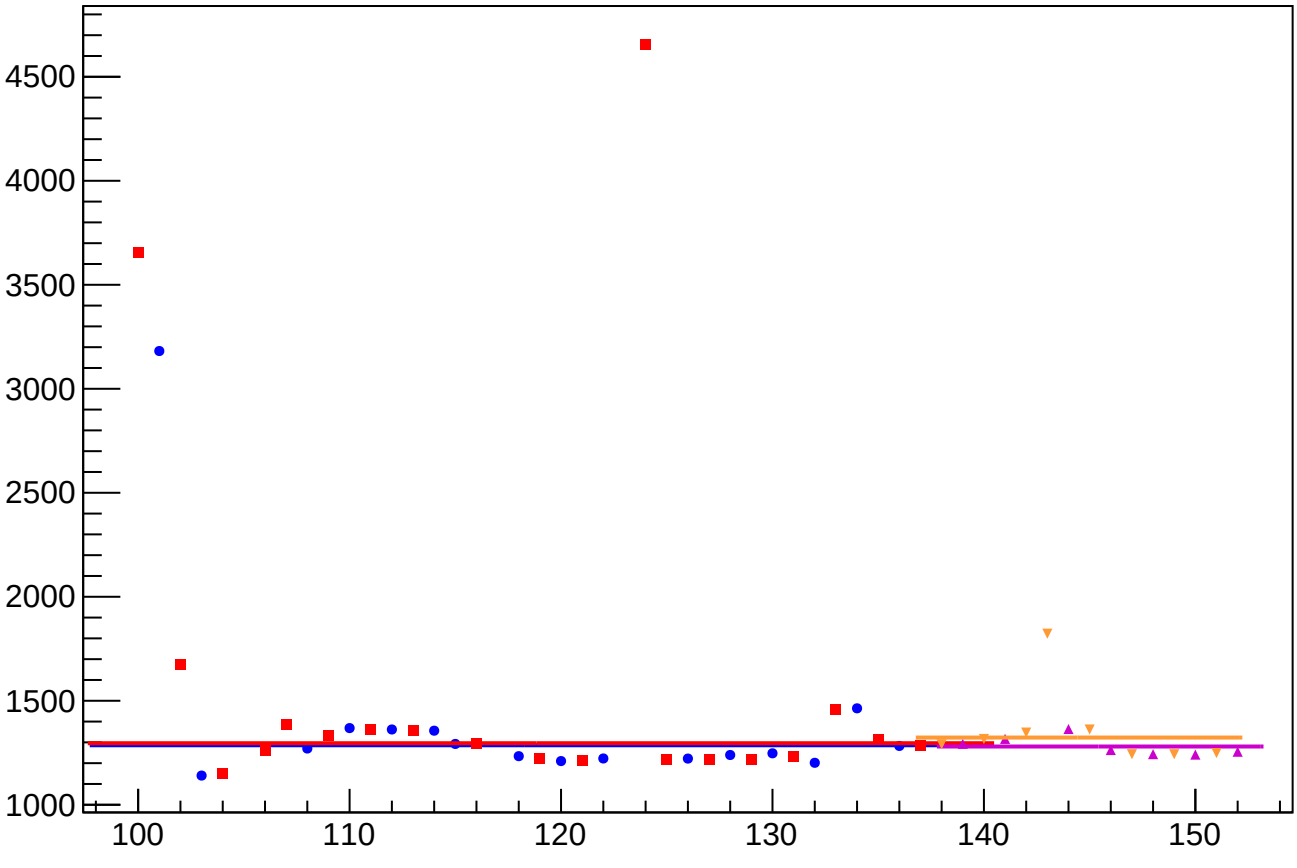
Left: -111.911+/-371.564 χ^2/NDF: 19.4/14

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -696.700+/-354.640 χ^2/NDF:24.7/22

Out: -25.094+/-359.500 χ^2/NDF:23.2/26

All: -365.468+/-252.469 χ^2/NDF: 49.6/49



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: 1280.094+/-0.366 χ^2/NDF:12635.6/6

Left: 1300.915+/-0.263 χ^2/NDF: 164365.4/14

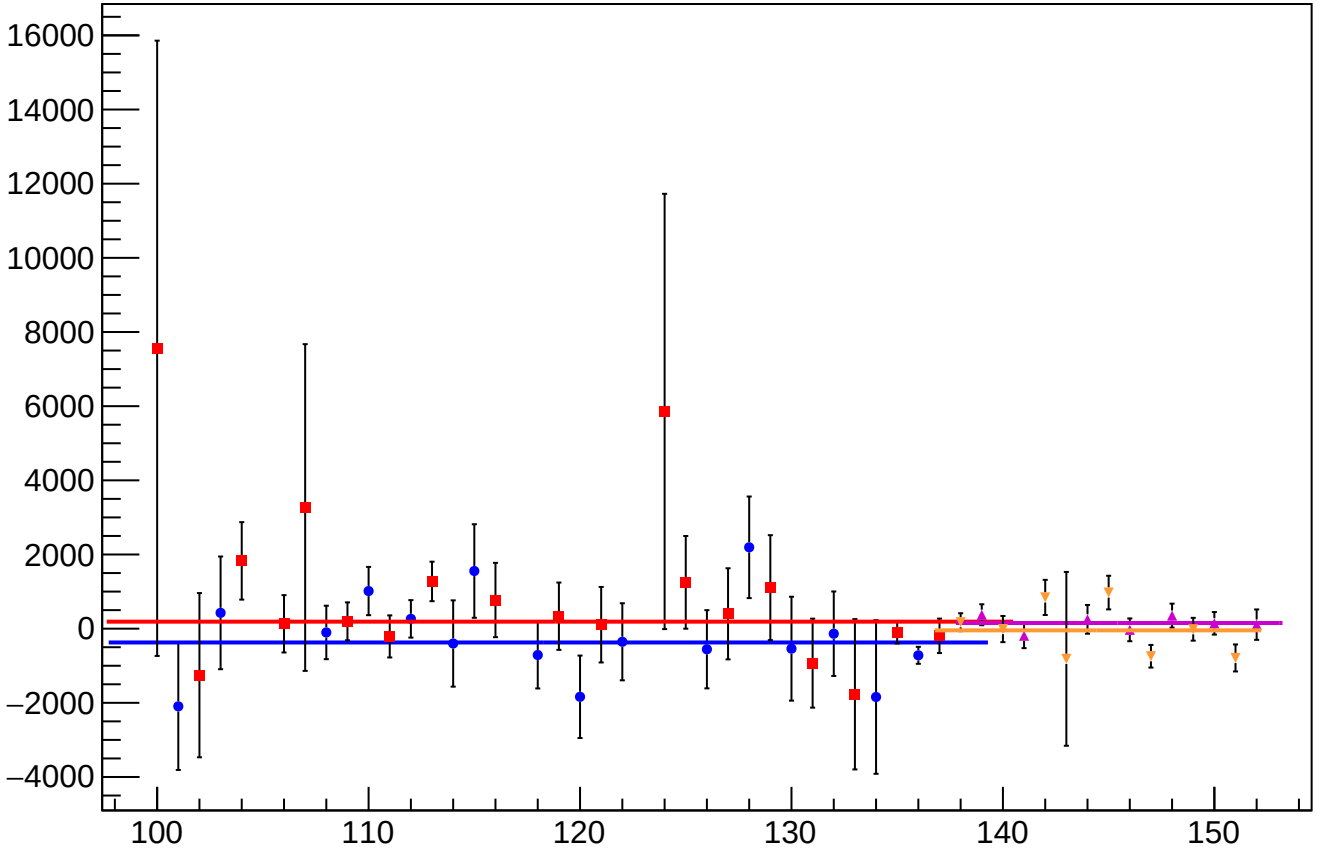
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1283.271+/-0.251 χ^2/NDF:530905.3/22

Out: 1308.263+/-0.254 χ^2/NDF:475928.7/26

All: 1295.597+/-0.179 χ^2/NDF: 1011732.6/49

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: 152.828+/-123.979 χ^2/NDF:2.5/6

Left: 55.019+/-88.186 χ^2/NDF: 22.7/14

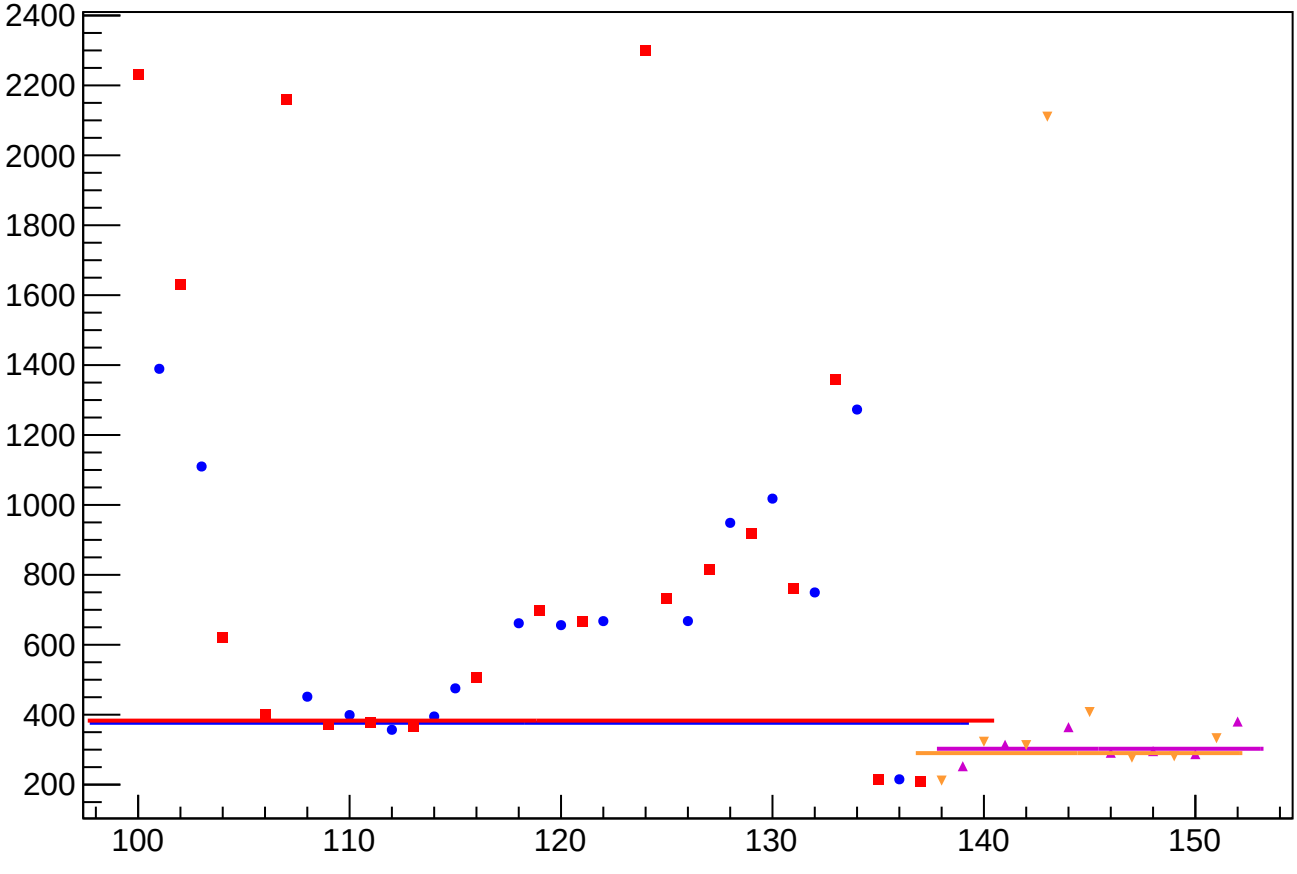
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -32.042+/-99.799 χ^2/NDF:26.9/22

Out: 37.666+/-100.859 χ^2/NDF:34.8/26

All: 2.444+/-70.940 χ^2/NDF: 62.0/49

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: 302.561+/-0.088 χ^2/NDF:196714.5/6

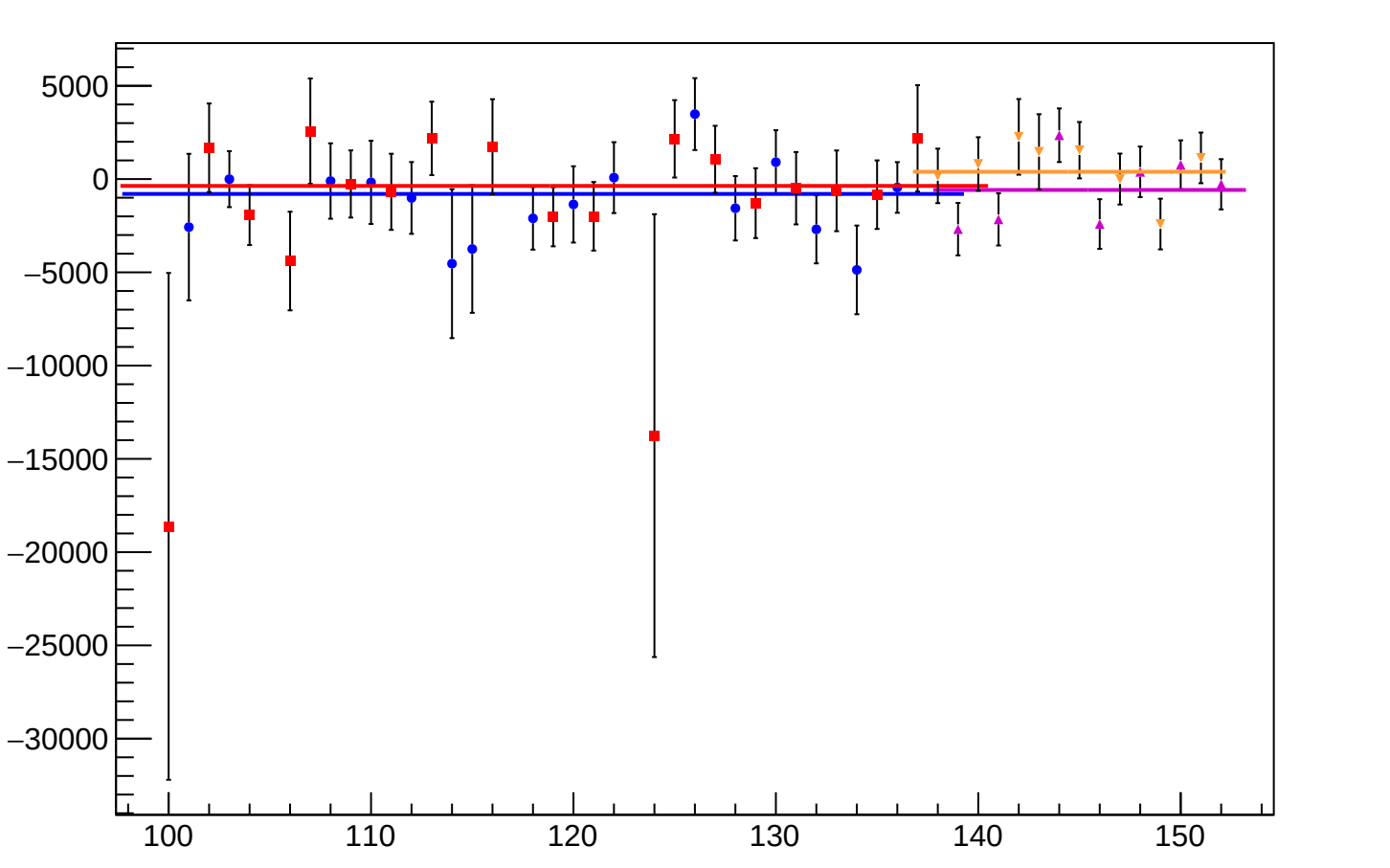
Left: 296.414+/-0.062 χ^2/NDF: 1813250.8/14

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 328.728+/-0.071 χ^2/NDF:4639993.5/22

Out: 323.002+/-0.071 χ^2/NDF:6049074.3/26

All: 325.895+/-0.050 χ^2/NDF: 10692324.1/49



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: -583.580+/-516.914 χ^2/NDF:11.2/6

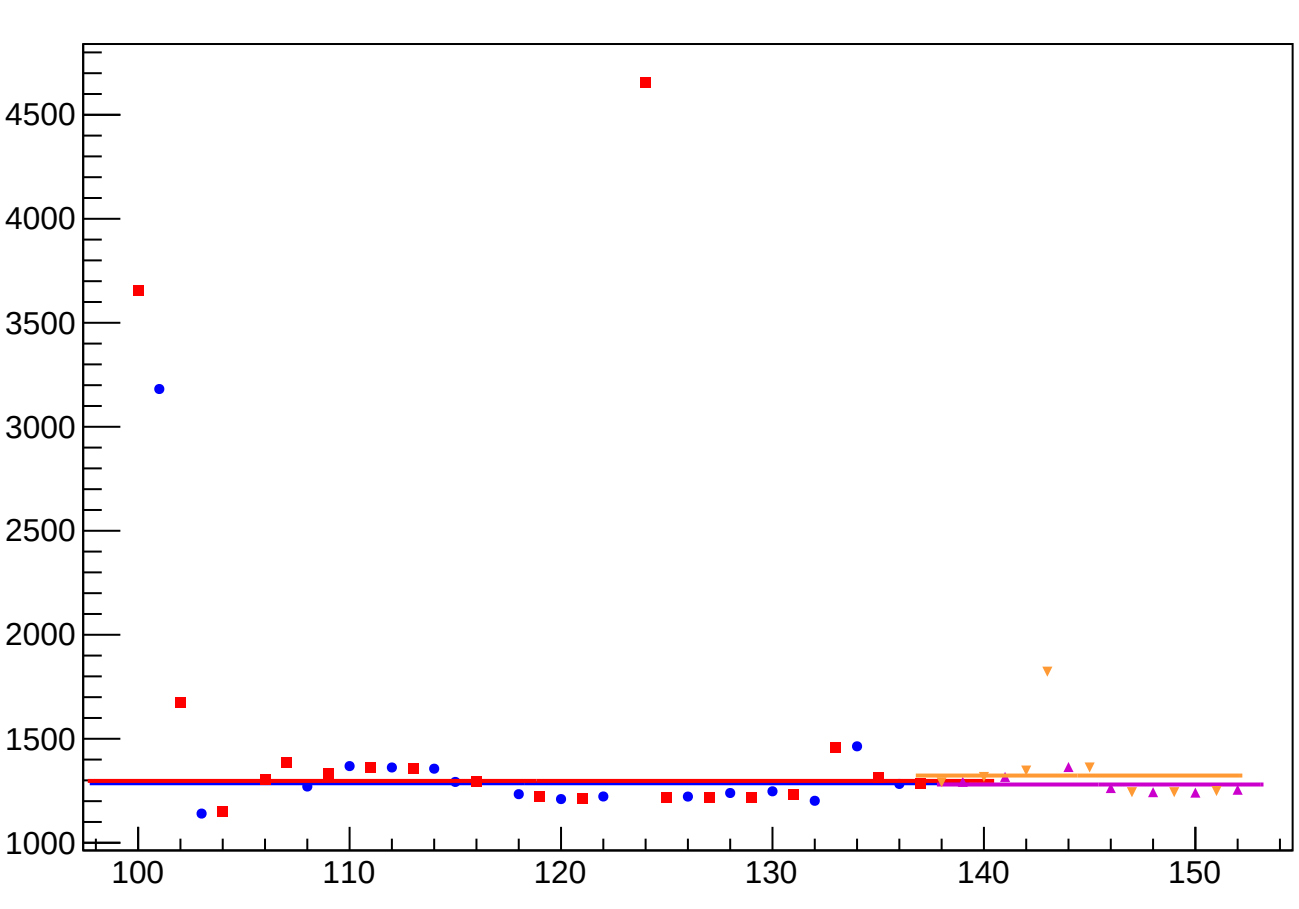
Left: -111.916+/-371.564 χ^2/NDF: 19.4/14

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -696.483+/-354.640 χ^2/NDF:24.7/22

Out: -23.311+/-359.712 χ^2/NDF:23.2/26

All: -364.677+/-252.542 χ^2/NDF: 49.7/49



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: 1280.094+/-0.366 χ^2/NDF:12635.6/6

Left: 1300.915+/-0.263 χ^2/NDF: 164365.4/14

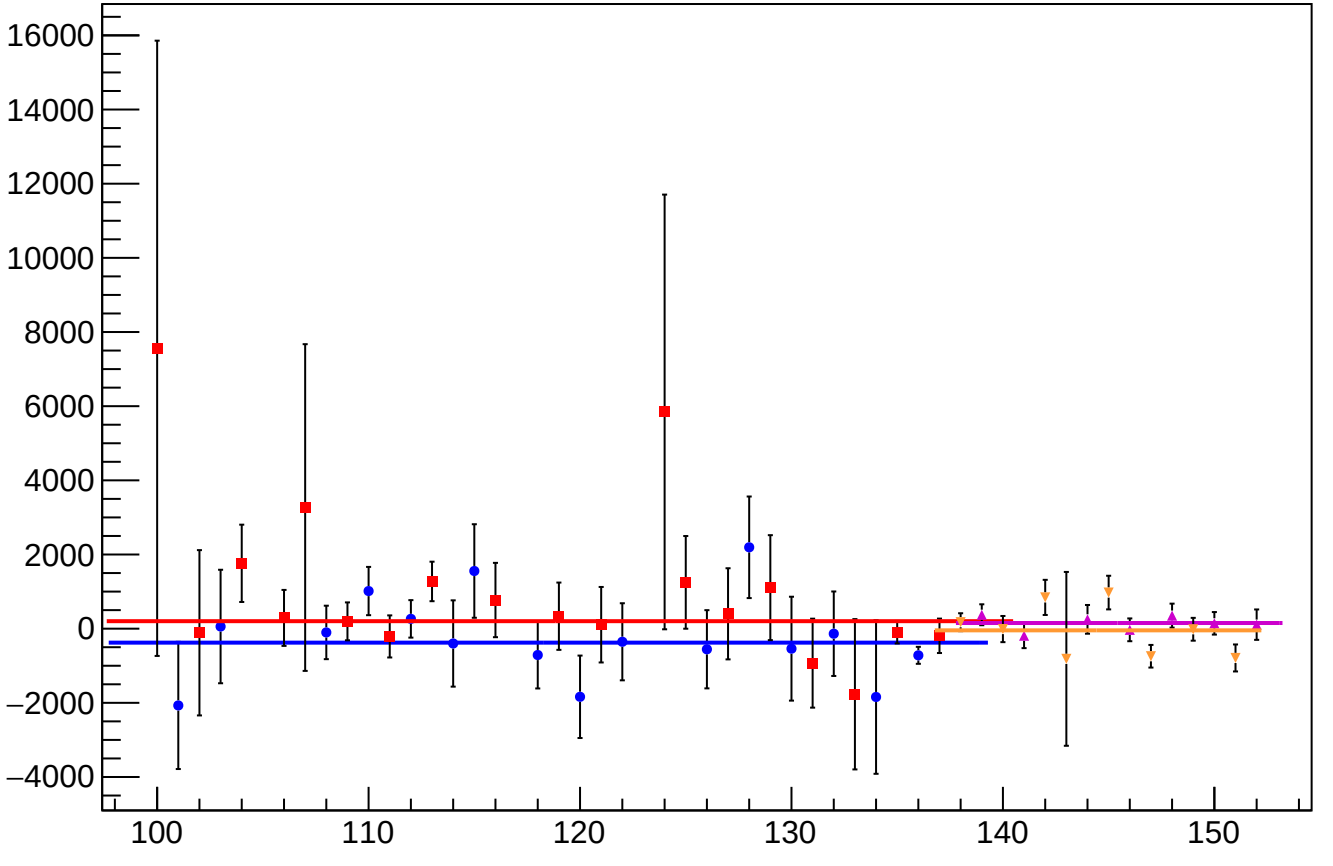
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1283.271+/-0.251 χ^2/NDF:530906.7/22

Out: 1309.072+/-0.254 χ^2/NDF:475303.1/26

All: 1295.988+/-0.179 χ^2/NDF: 1011427.4/49

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: 152.851+/-123.978 χ^2/NDF:2.5/6

Left: 55.015+/-88.187 χ^2/NDF: 22.7/14

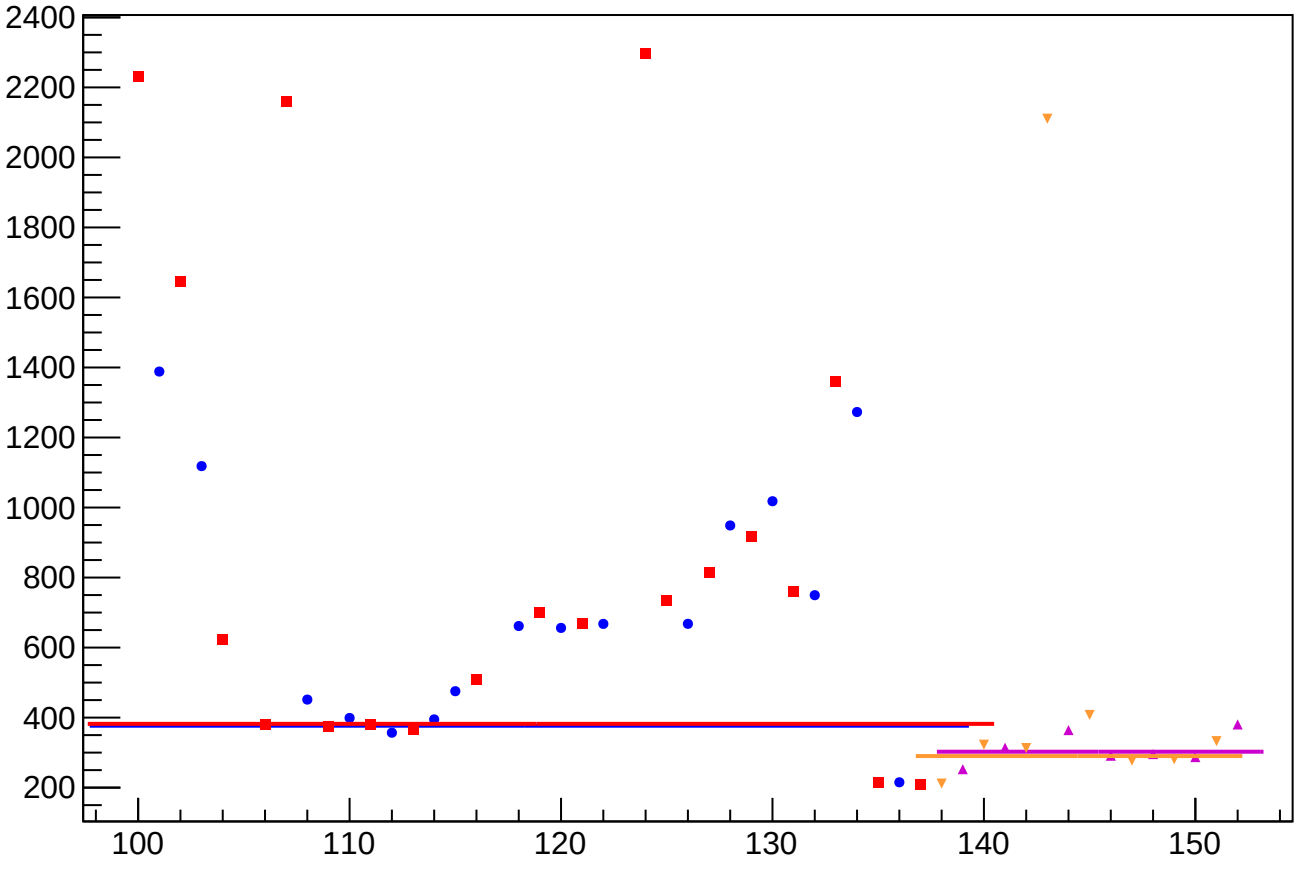
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -33.561+/-99.802 χ^2/NDF:26.8/22

Out: 42.444+/-100.819 χ^2/NDF:34.4/26

All: 4.056+/-70.928 χ^2/NDF: 61.5/49

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: 302.558+/-0.088 χ^2/NDF:196709.3/6

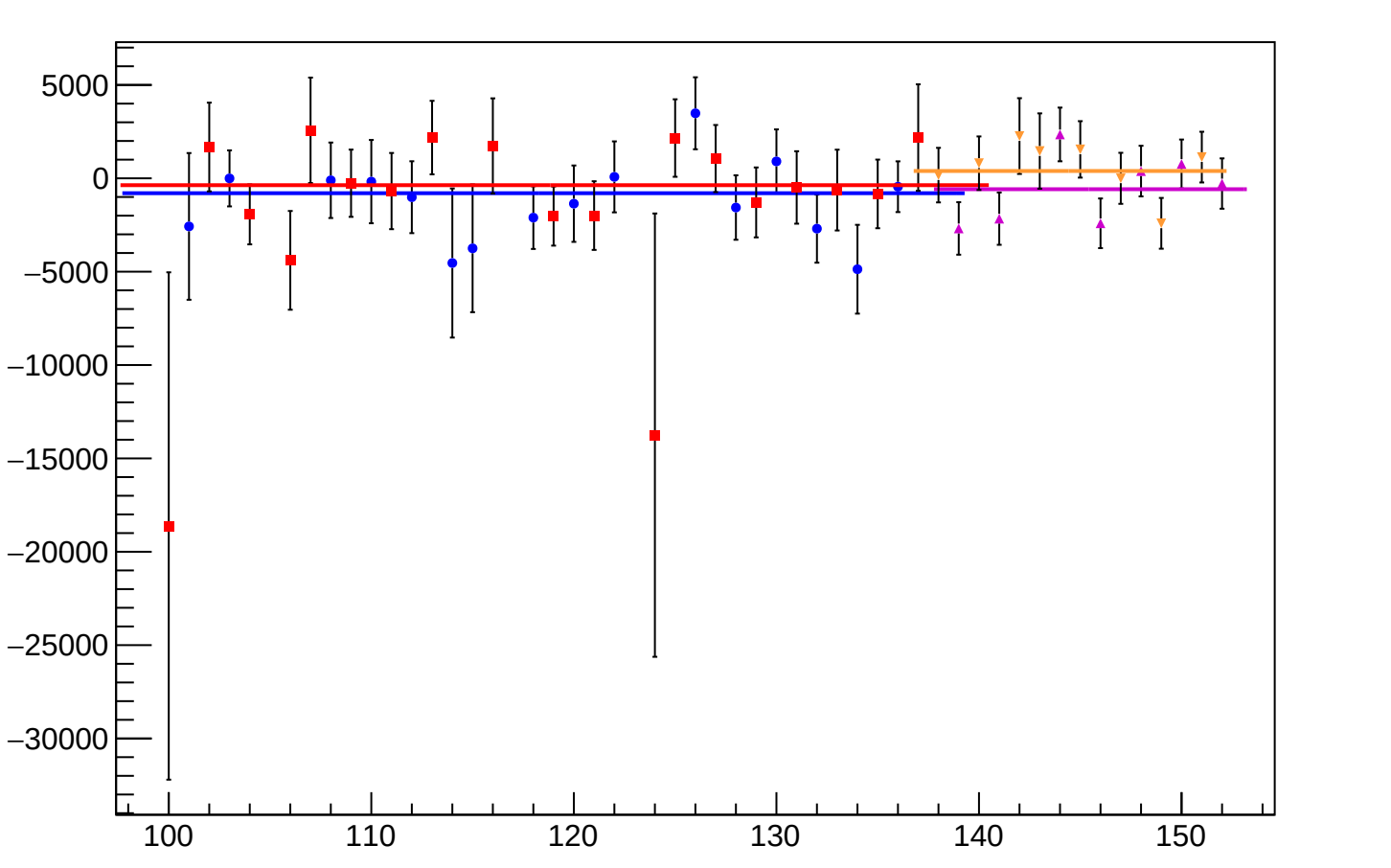
Left: 296.418+/-0.062 χ^2/NDF: 1813223.2/14

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 328.719+/-0.071 χ^2/NDF:4643043.7/22

Out: 322.728+/-0.071 χ^2/NDF:6047232.8/26

All: 325.754+/-0.050 χ^2/NDF: 10693843.0/49



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: -583.580+/-516.914 χ^2/NDF:11.2/6

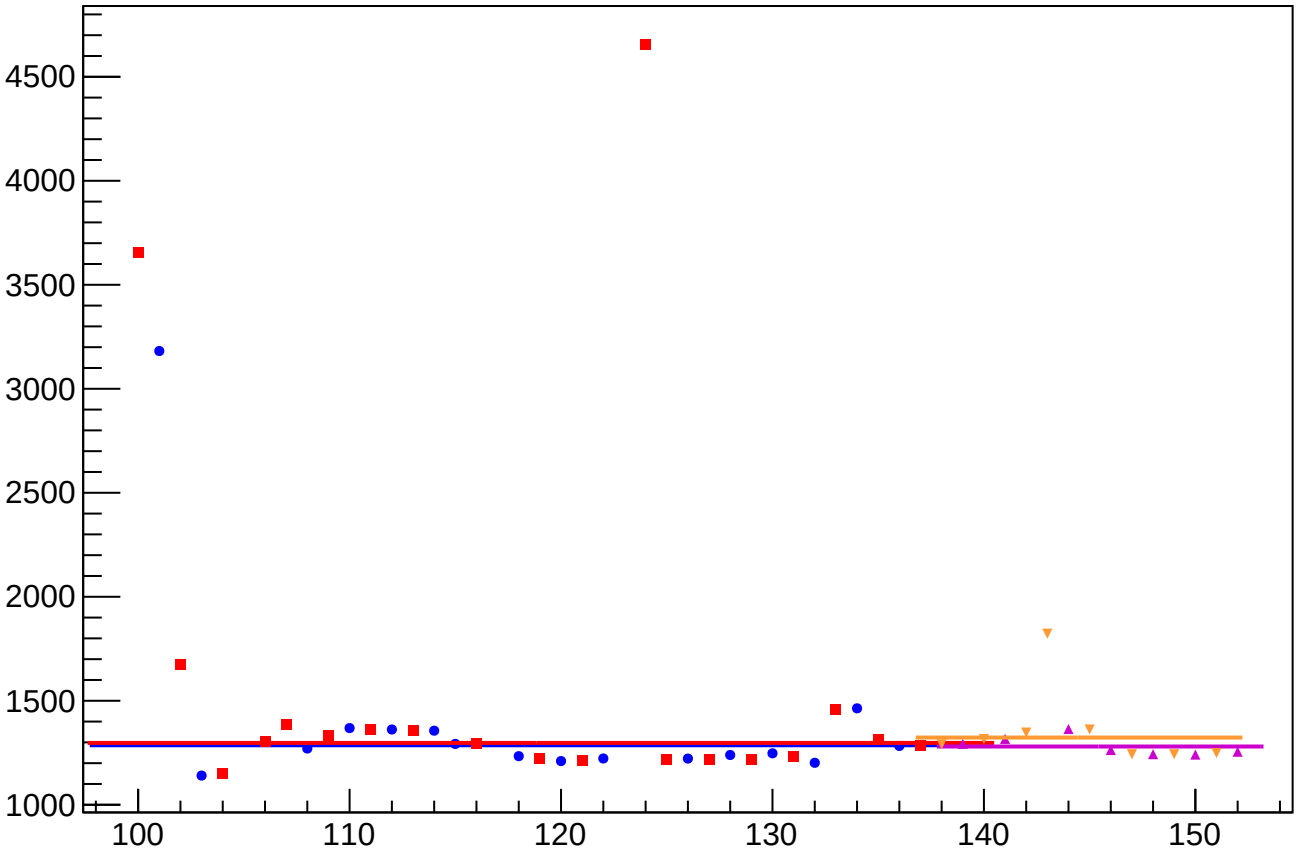
Left: -111.916+/-371.564 χ^2/NDF: 19.4/14

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -696.483+/-354.640 χ^2/NDF:24.7/22

Out: -23.311+/-359.712 χ^2/NDF:23.2/26

All: -364.677+/-252.542 χ^2/NDF: 49.7/49



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: 1280.094+/-0.366 χ^2/NDF:12635.6/6

Left: 1300.915+/-0.263 χ^2/NDF: 164365.4/14

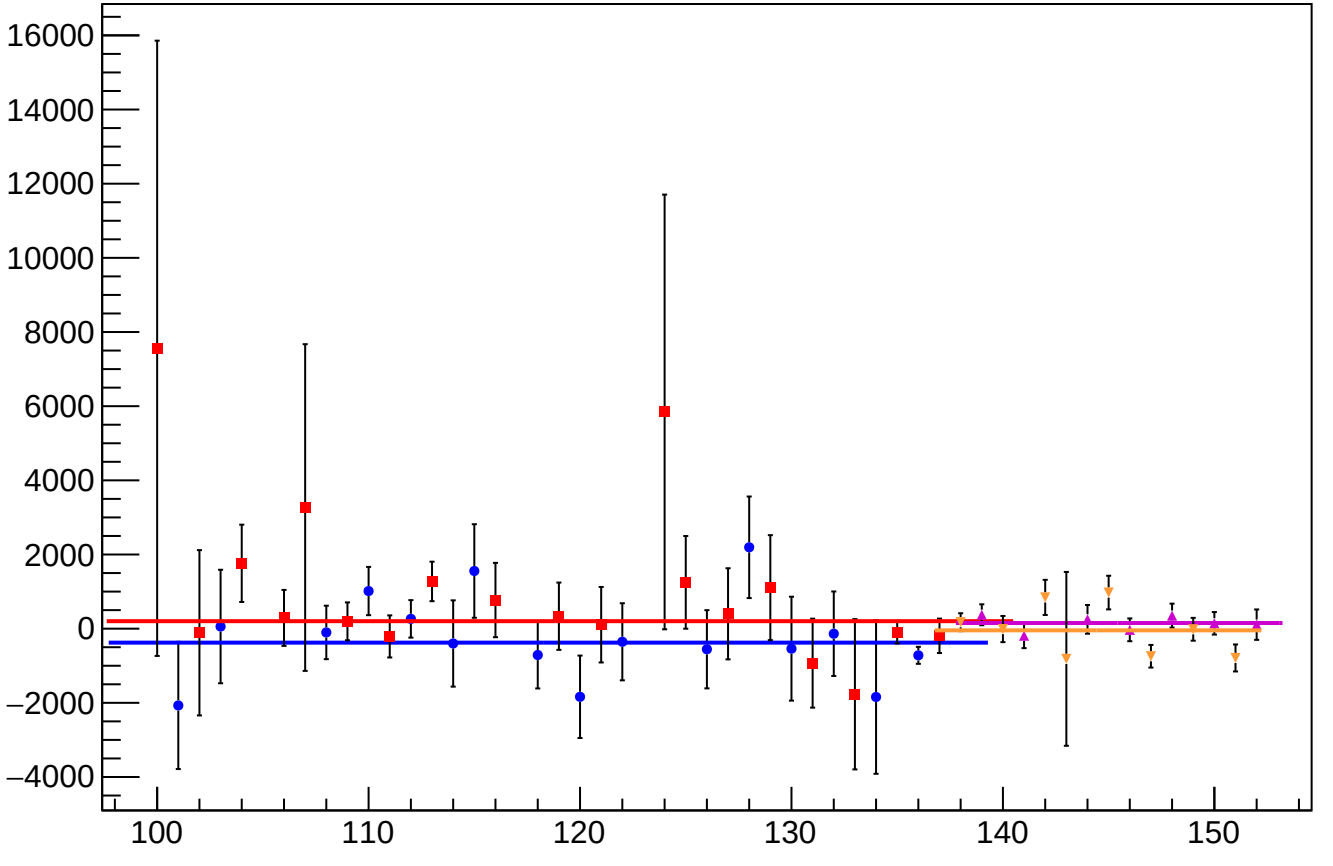
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1283.271+/-0.251 χ^2/NDF:530906.7/22

Out: 1309.072+/-0.254 χ^2/NDF:475303.1/26

All: 1295.988+/-0.179 χ^2/NDF: 1011427.4/49

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: 152.851+/-123.978 χ^2/NDF:2.5/6

Left: 55.015+/-88.187 χ^2/NDF: 22.7/14

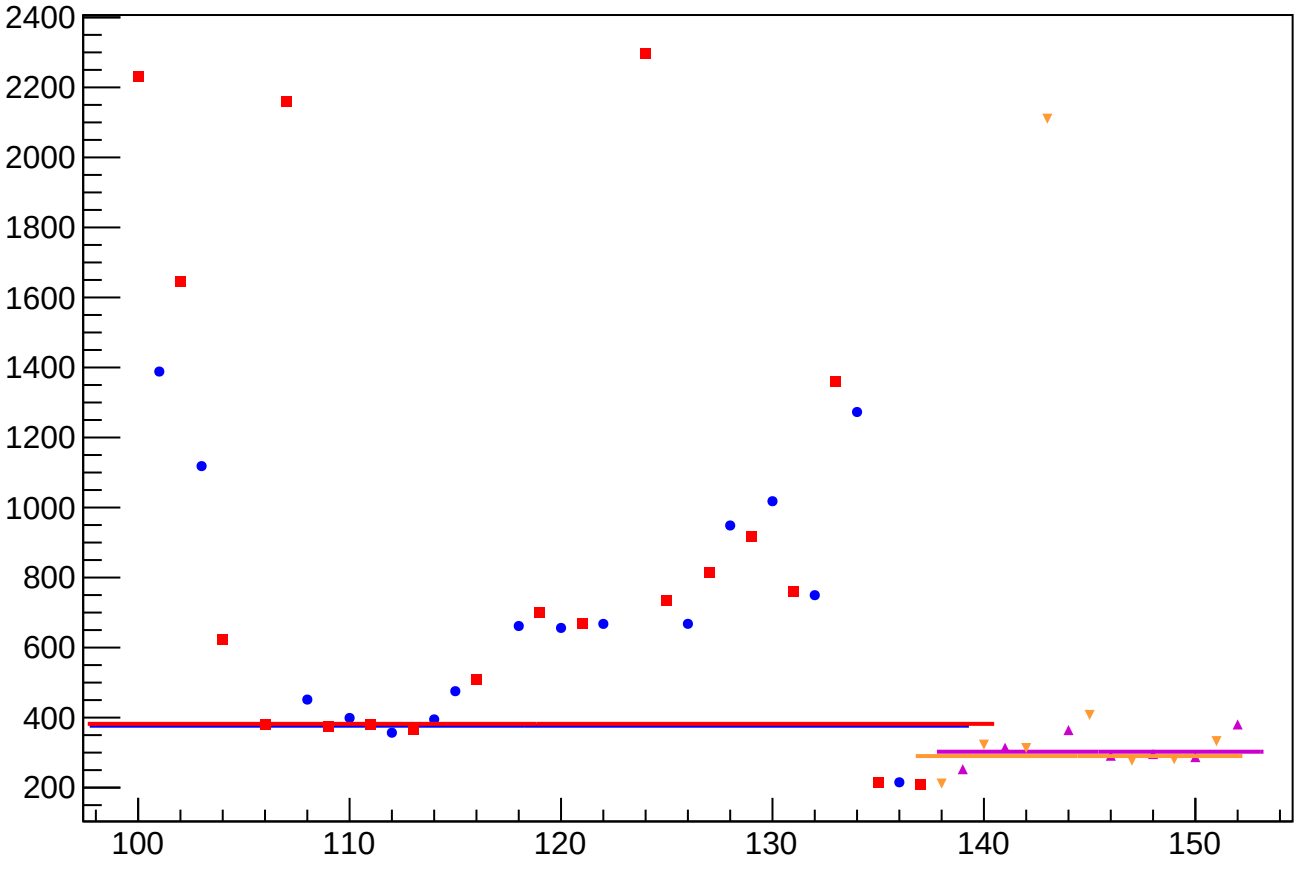
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -33.561+/-99.802 χ^2/NDF:26.8/22

Out: 42.444+/-100.819 χ^2/NDF:34.4/26

All: 4.056+/-70.928 χ^2/NDF: 61.5/49

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: 302.558+/-0.088 χ^2/NDF:196709.3/6

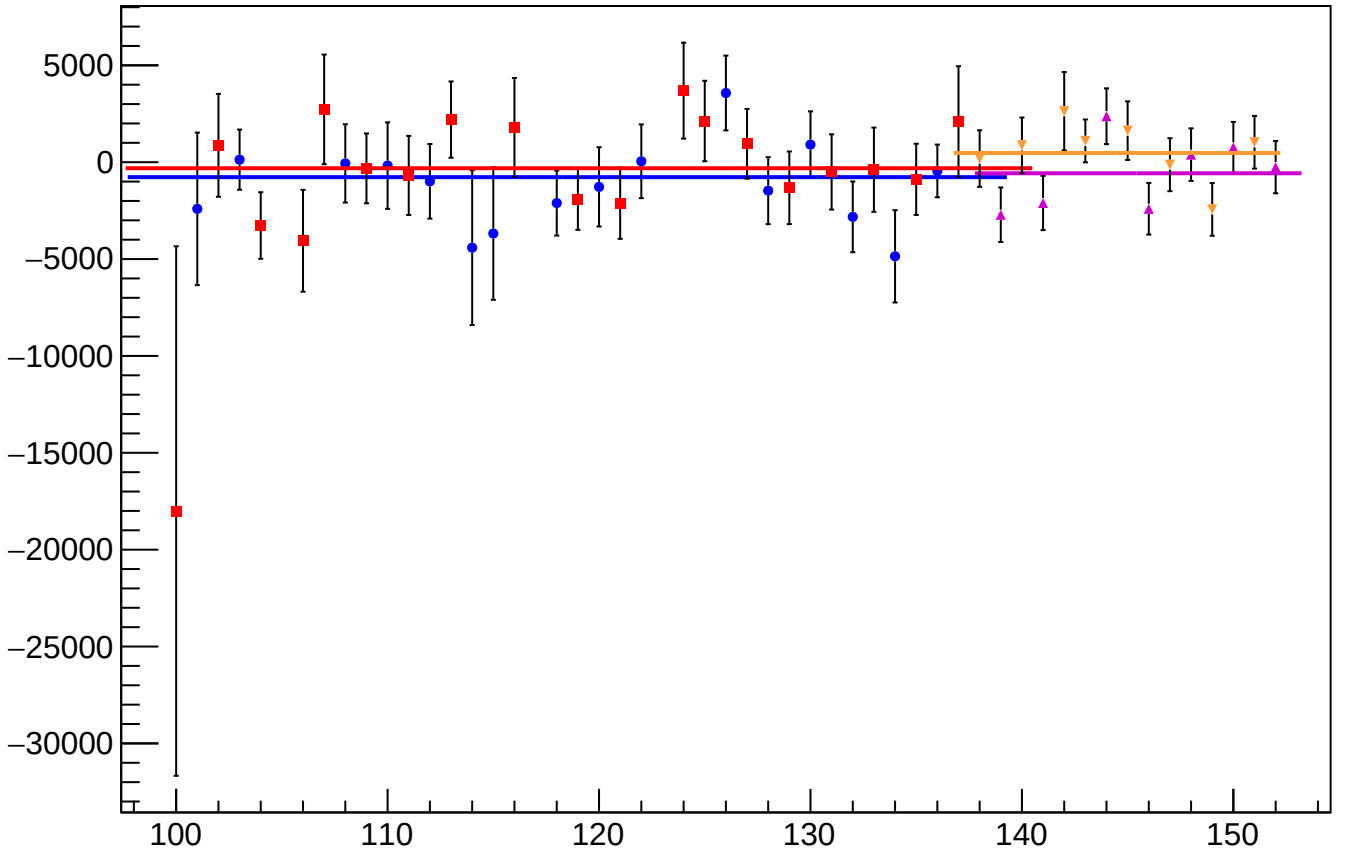
Left: 296.418+/-0.062 χ^2/NDF: 1813223.2/14

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 328.719+/-0.071 χ^2/NDF:4643043.7/22

Out: 322.728+/-0.071 χ^2/NDF:6047232.8/26

All: 325.754+/-0.050 χ^2/NDF: 10693843.0/49



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: -571.168+/-517.296 χ^2/NDF:11.2/6

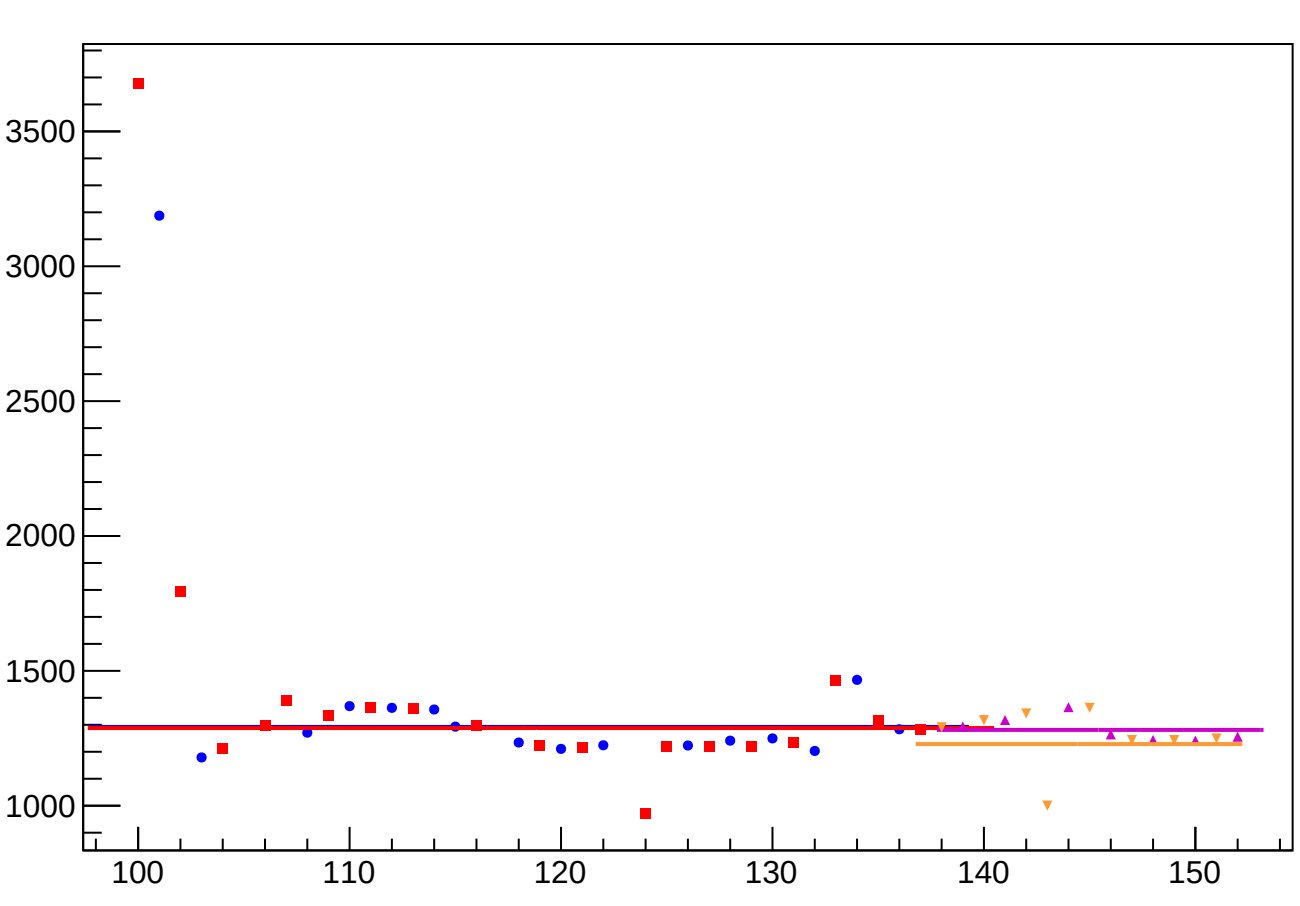
Left: -25.539+/-357.928 χ^2/NDF: 20.4/14

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -676.839+/-355.589 χ^2/NDF:24.9/22

Out: 71.544+/-345.825 χ^2/NDF:26.3/26

All: -292.233+/-247.915 χ^2/NDF: 53.5/49



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: 1281.030+/-0.366 χ^2/NDF:12720.2/6

Left: 1253.694+/-0.253 χ^2/NDF: 142777.5/14

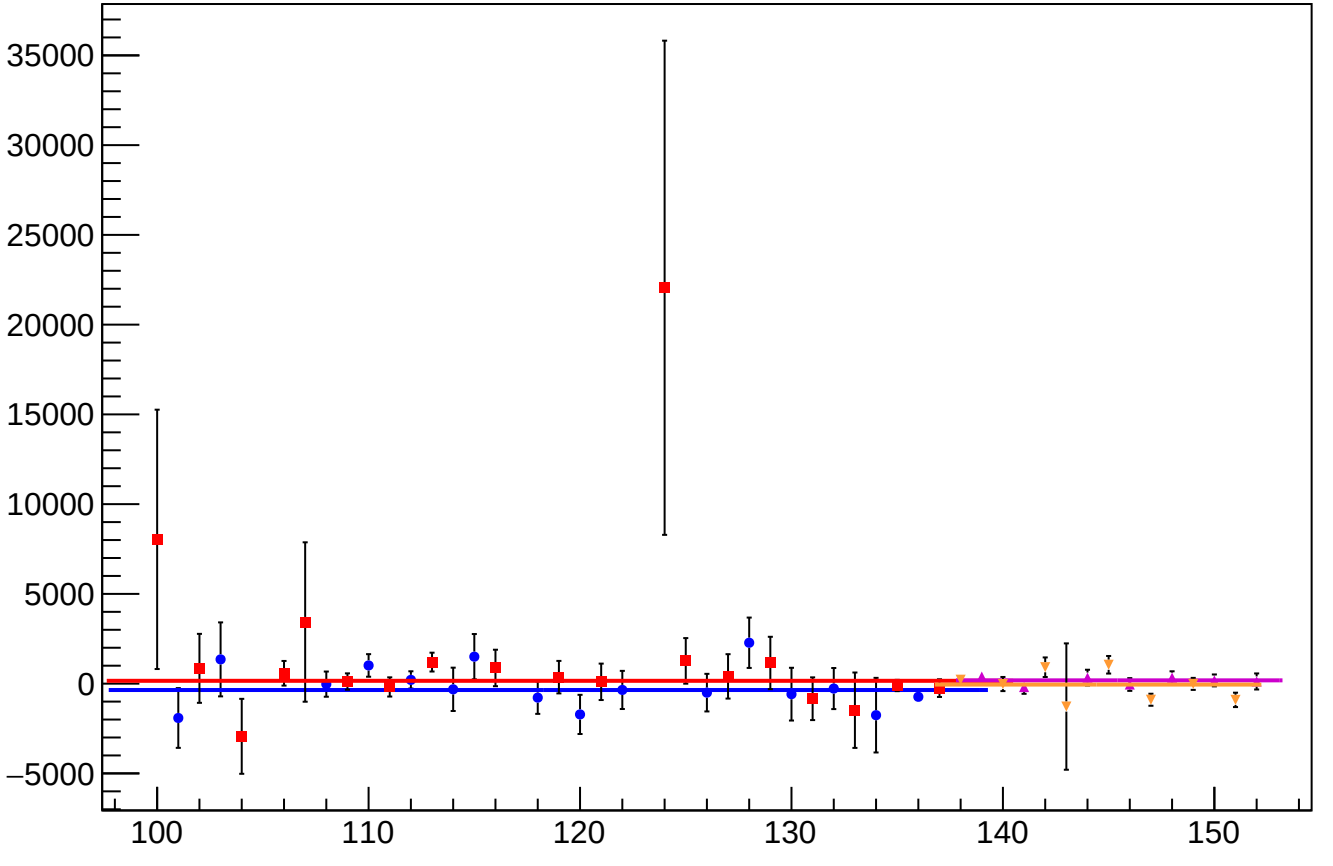
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1286.836+/-0.251 χ^2/NDF:522604.2/22

Out: 1259.083+/-0.245 χ^2/NDF:343293.1/26

All: 1272.574+/-0.175 χ^2/NDF: 872158.4/49

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: 183.633+/-134.428 χ^2/NDF:2.3/6

Left: 66.342+/-95.211 χ^2/NDF: 24.3/14

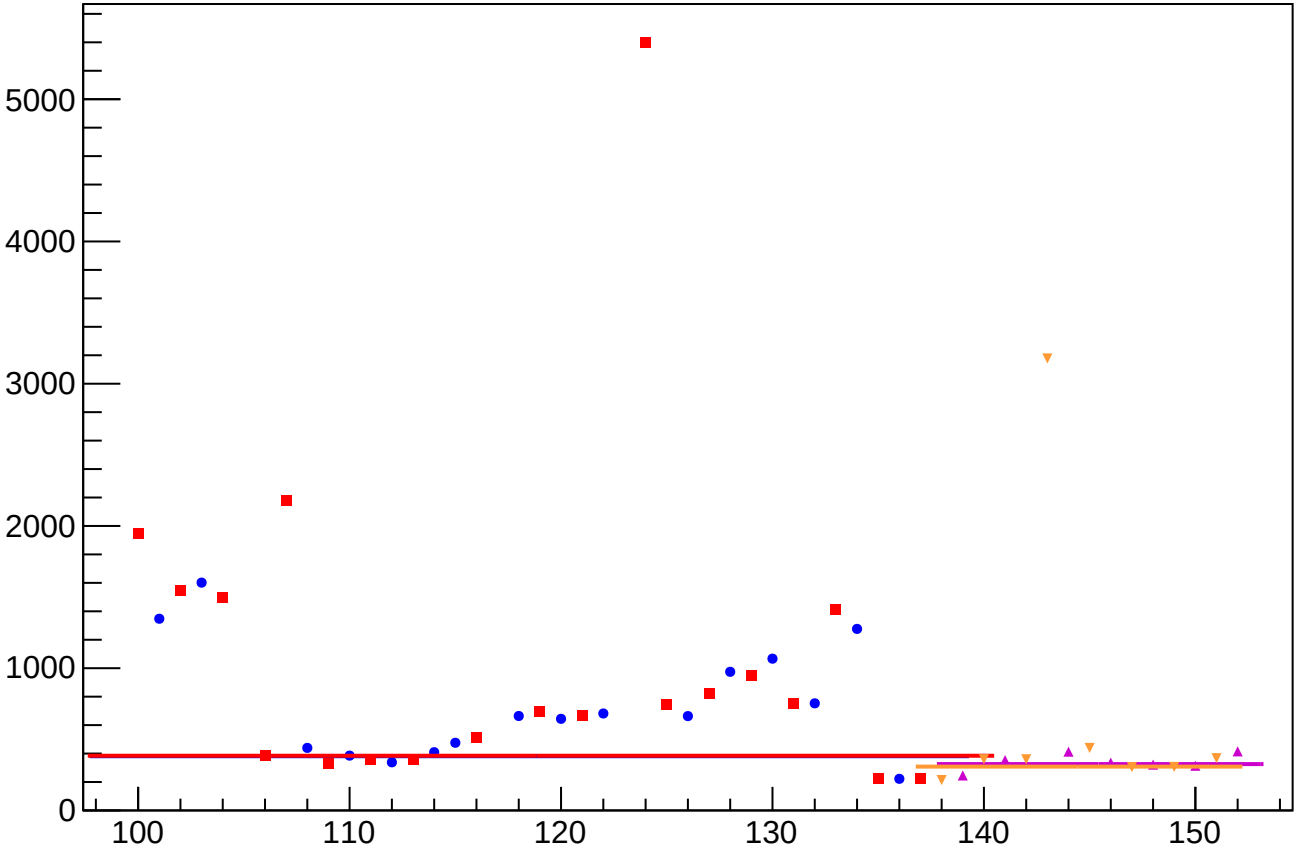
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -23.723+/-105.437 χ^2/NDF:26.9/22

Out: 29.456+/-105.577 χ^2/NDF:37.3/26

All: 2.831+/-74.605 χ^2/NDF: 64.3/49

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: 325.974+/-0.095 χ^2/NDF:341981.8/6

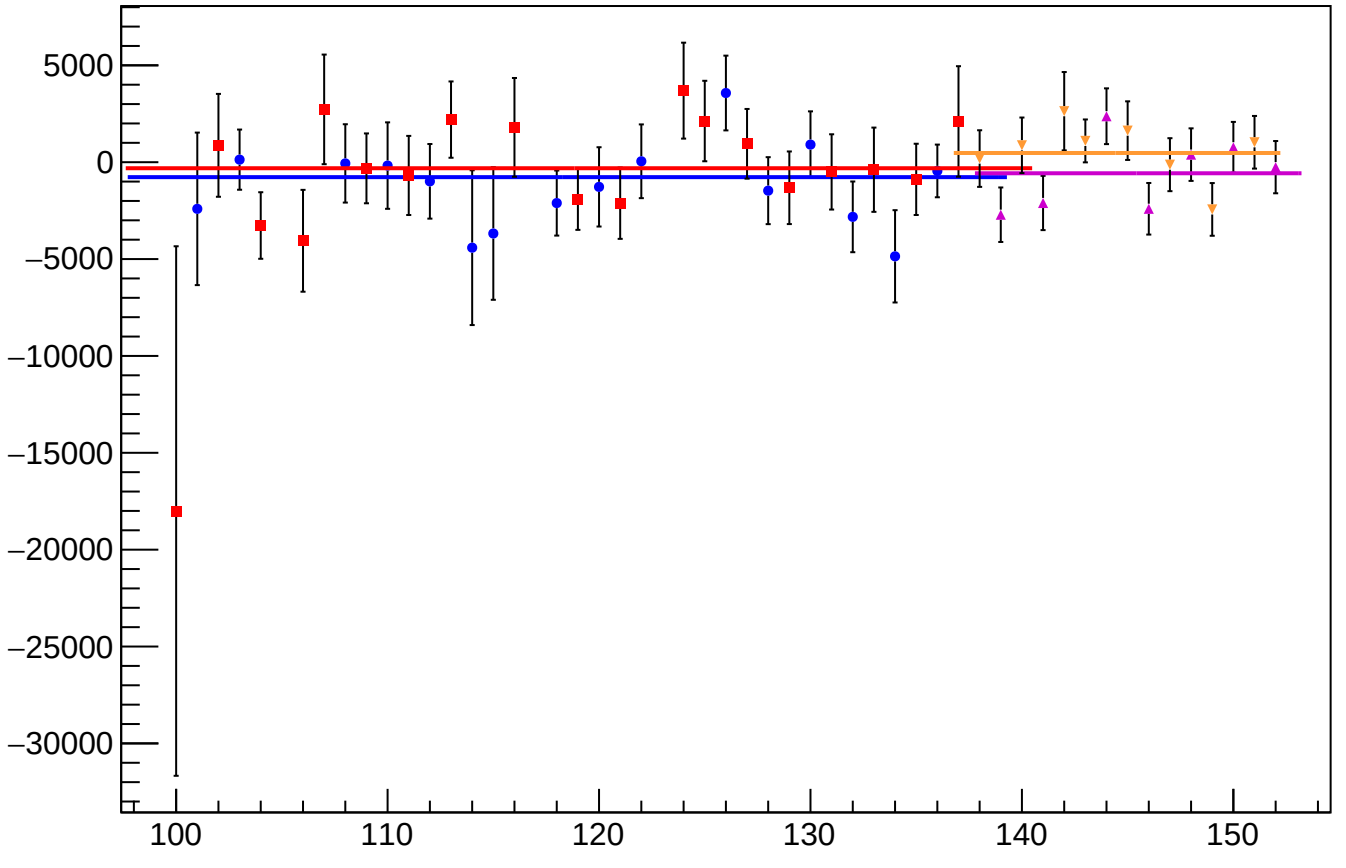
Left: 317.196+/-0.067 χ^2/NDF: 2230020.0/14

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 347.283+/-0.075 χ^2/NDF:4790499.1/22

Out: 337.902+/-0.075 χ^2/NDF:6678926.3/26

All: 342.598+/-0.053 χ^2/NDF: 11477330.4/49



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 475.610+/-495.763 χ^2/NDF:7.1/7

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -571.165+/-517.296 χ^2/NDF:11.2/6

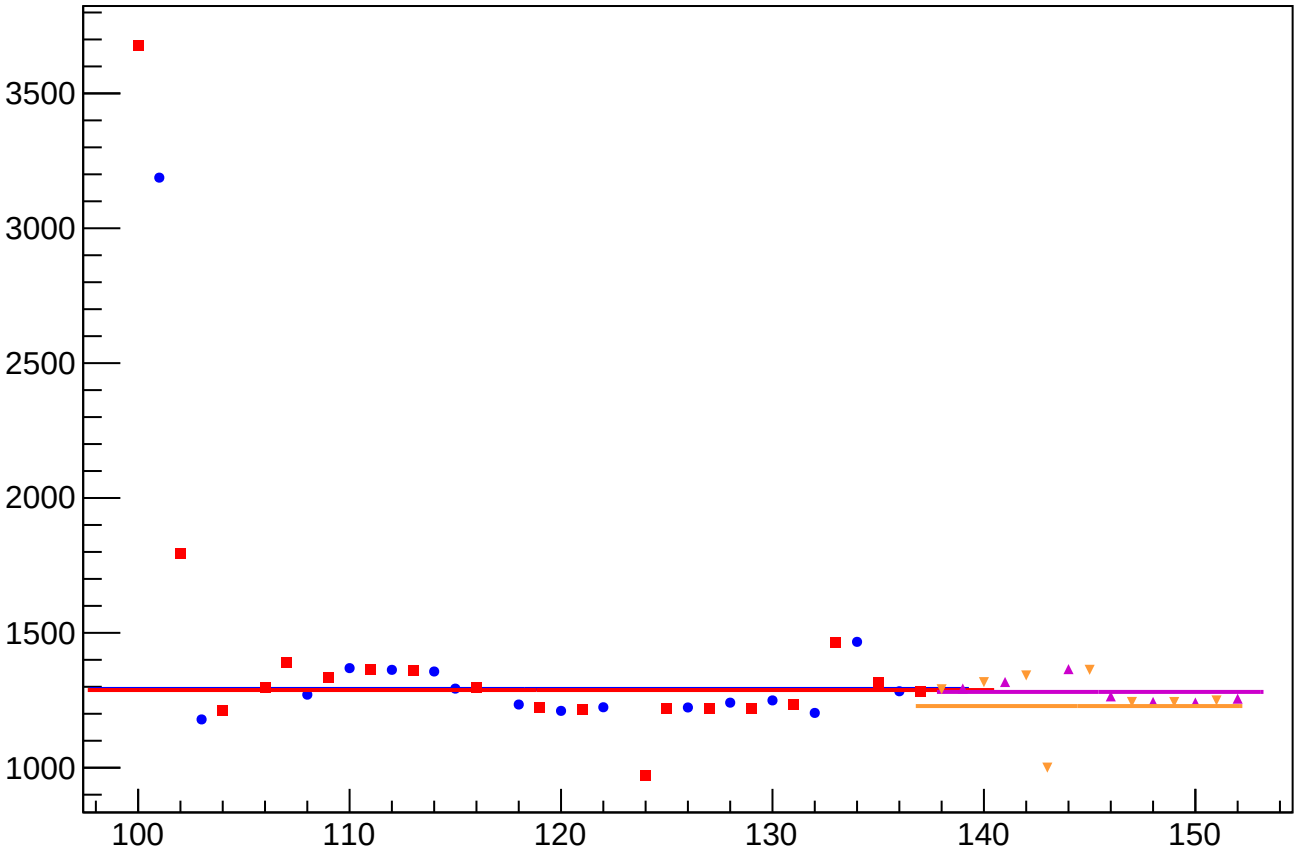
Left: -25.538+/-357.928 χ^2/NDF: 20.4/14

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -676.839+/-355.589 χ^2/NDF:24.9/22

Out: 71.543+/-345.825 χ^2/NDF:26.3/26

All: -292.233+/-247.915 χ^2/NDF: 53.5/49



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: 1281.030+/-0.366 χ^2/NDF:12720.3/6

Left: 1253.694+/-0.253 χ^2/NDF: 142776.7/14

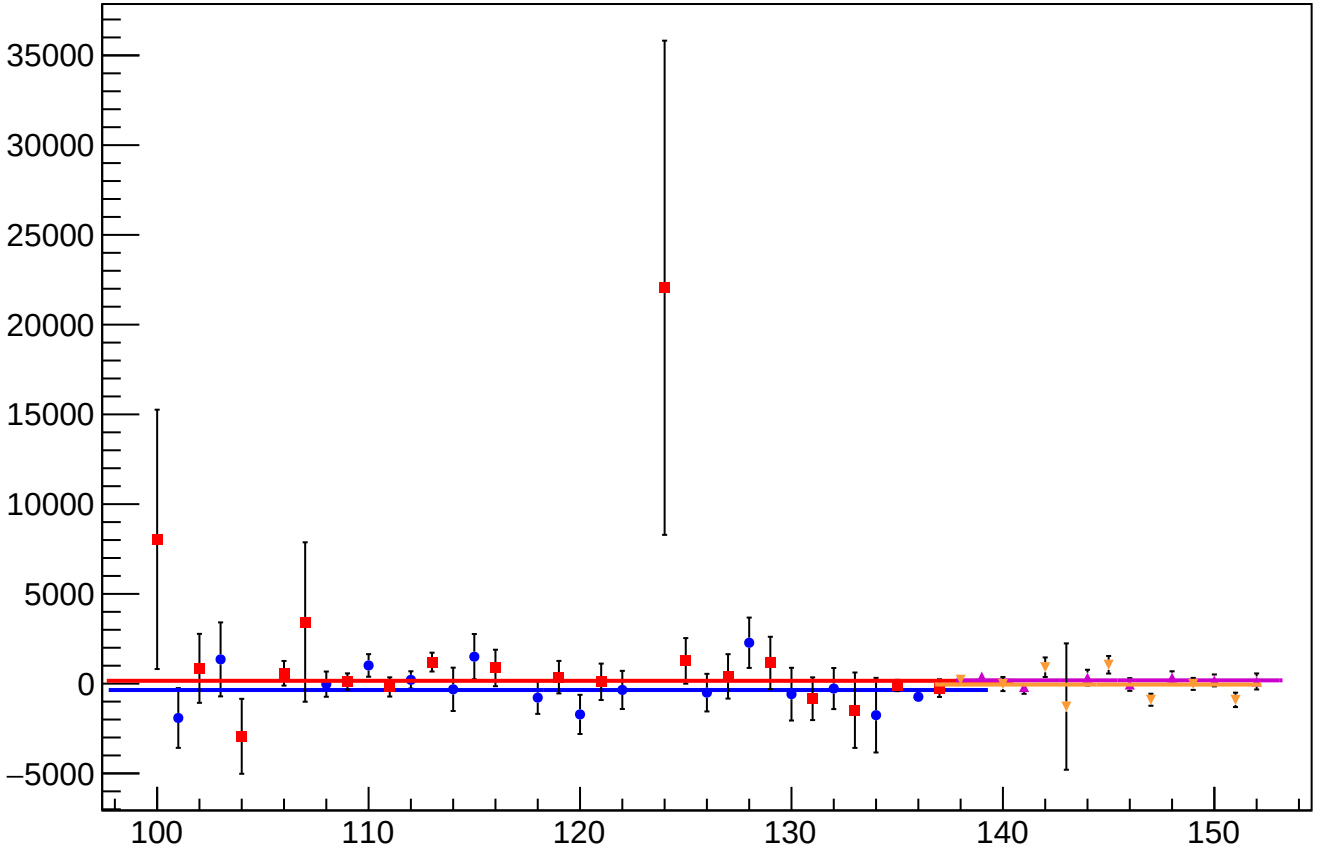
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1286.836+/-0.251 χ^2/NDF:522604.2/22

Out: 1259.084+/-0.245 χ^2/NDF:343292.5/26

All: 1272.574+/-0.175 χ^2/NDF: 872157.7/49

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: 183.634+/-134.429 χ^2/NDF:2.3/6

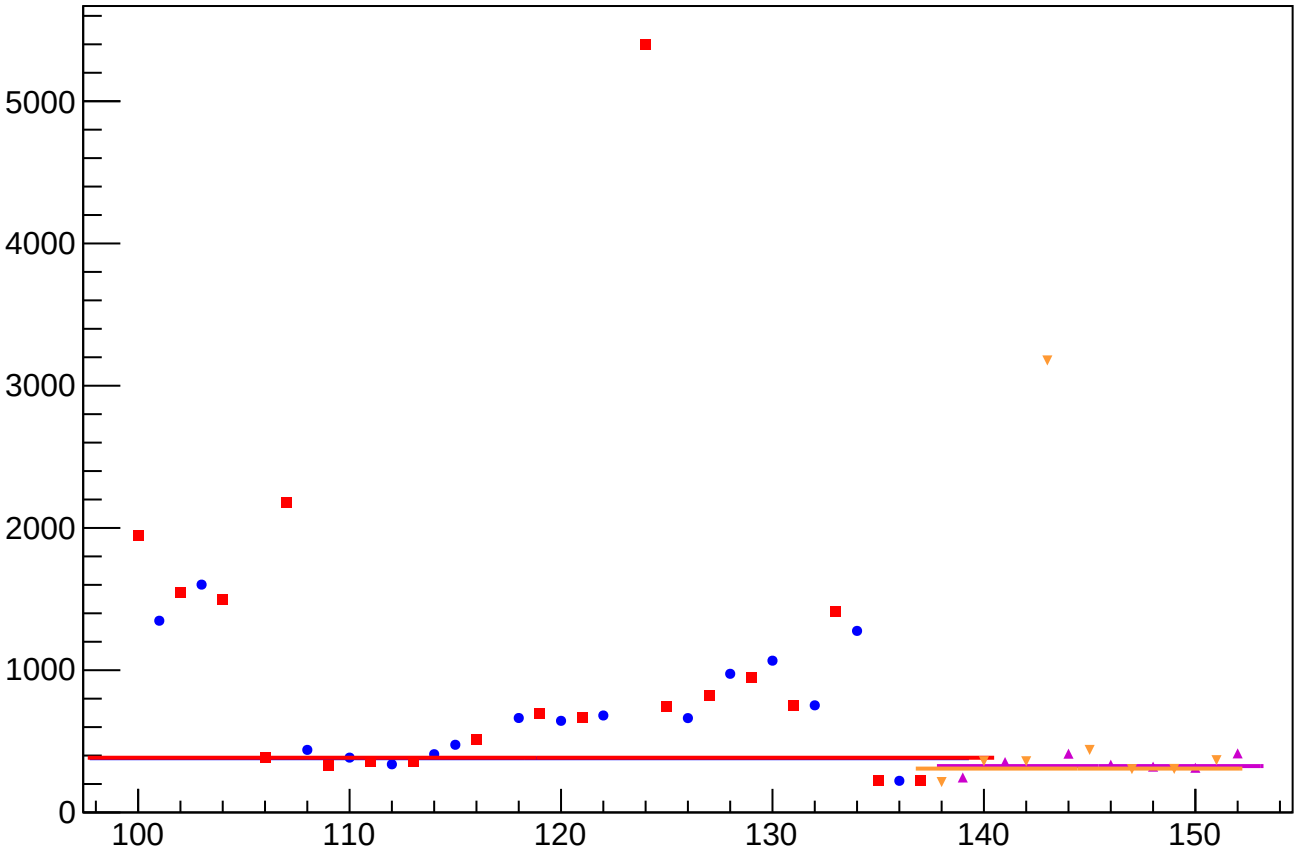
Left: 66.339+/-95.212 χ^2/NDF: 24.3/14

Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -23.721+/-105.439 χ^2/NDF:26.9/22

Out: 29.452+/-105.579 χ^2/NDF:37.3/26

All: 2.831+/-74.606 χ^2/NDF: 64.3/49



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: 325.979+/-0.095 χ^2/NDF:341907.6/6

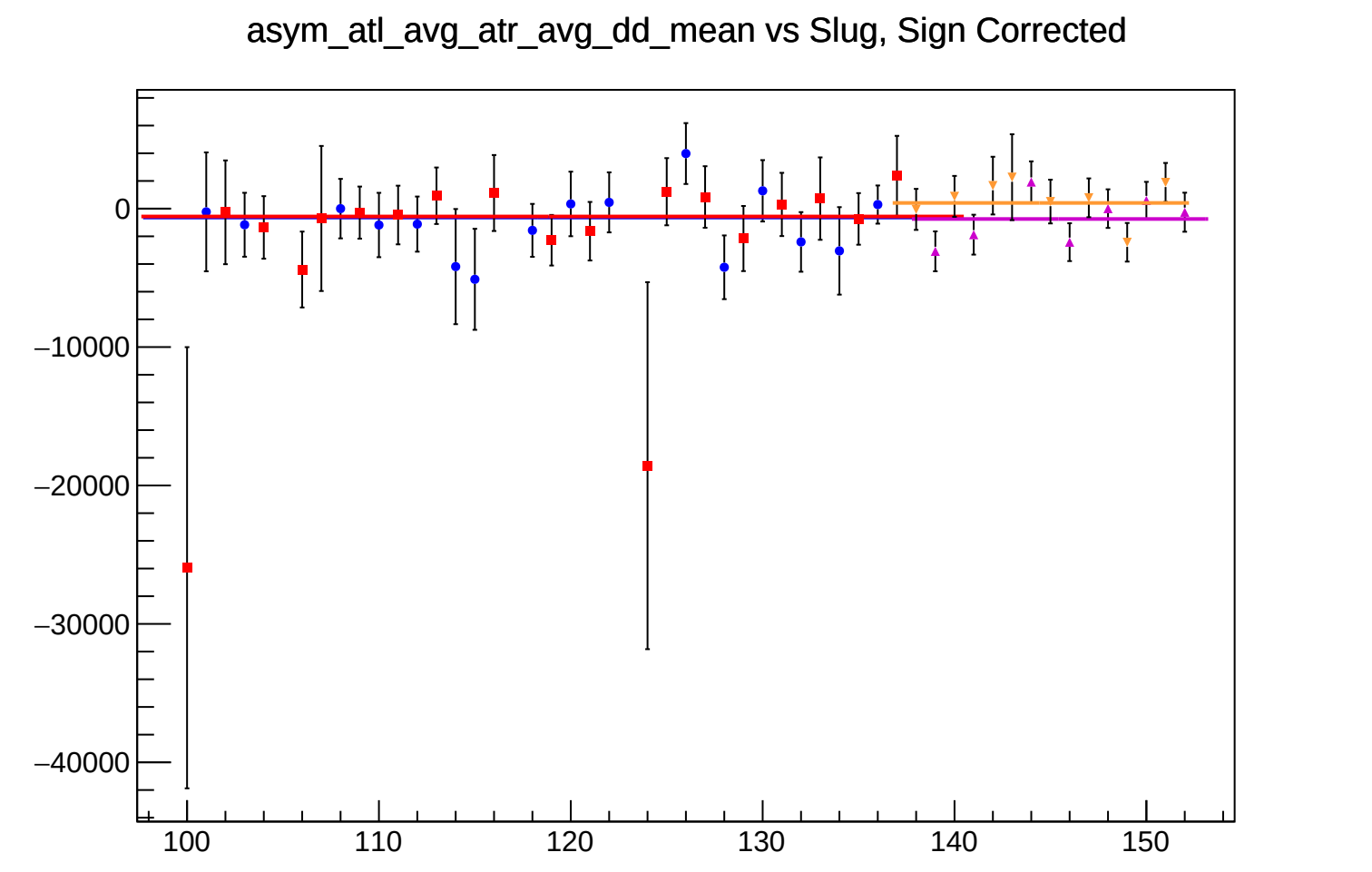
Left: 317.203+/-0.067 χ^2/NDF: 2229826.4/14

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 347.289+/-0.075 χ^2/NDF:4790258.8/22

Out: 337.910+/-0.075 χ^2/NDF:6678667.1/26

All: 342.606+/-0.053 χ^2/NDF: 11476829.3/49



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: -747.382+/-533.169 χ^2/NDF:9.4/6

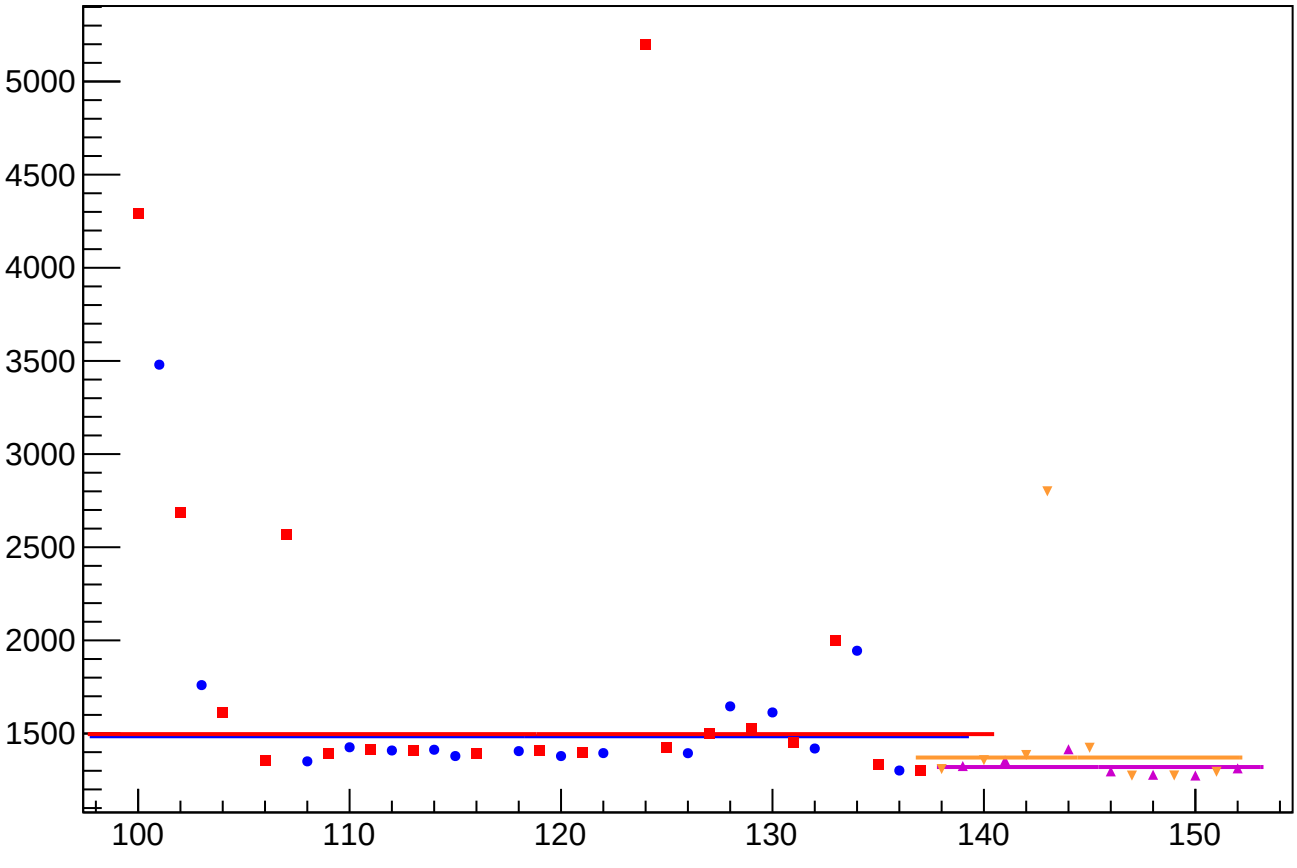
Left: -197.412+/-386.504 χ^2/NDF: 17.9/14

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -697.130+/-387.567 χ^2/NDF:21.8/22

Out: -72.857+/-398.748 χ^2/NDF:19.1/26

All: -393.869+/-277.920 χ^2/NDF: 42.2/49



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: 1320.213+/-0.377 χ^2/NDF:14095.6/6

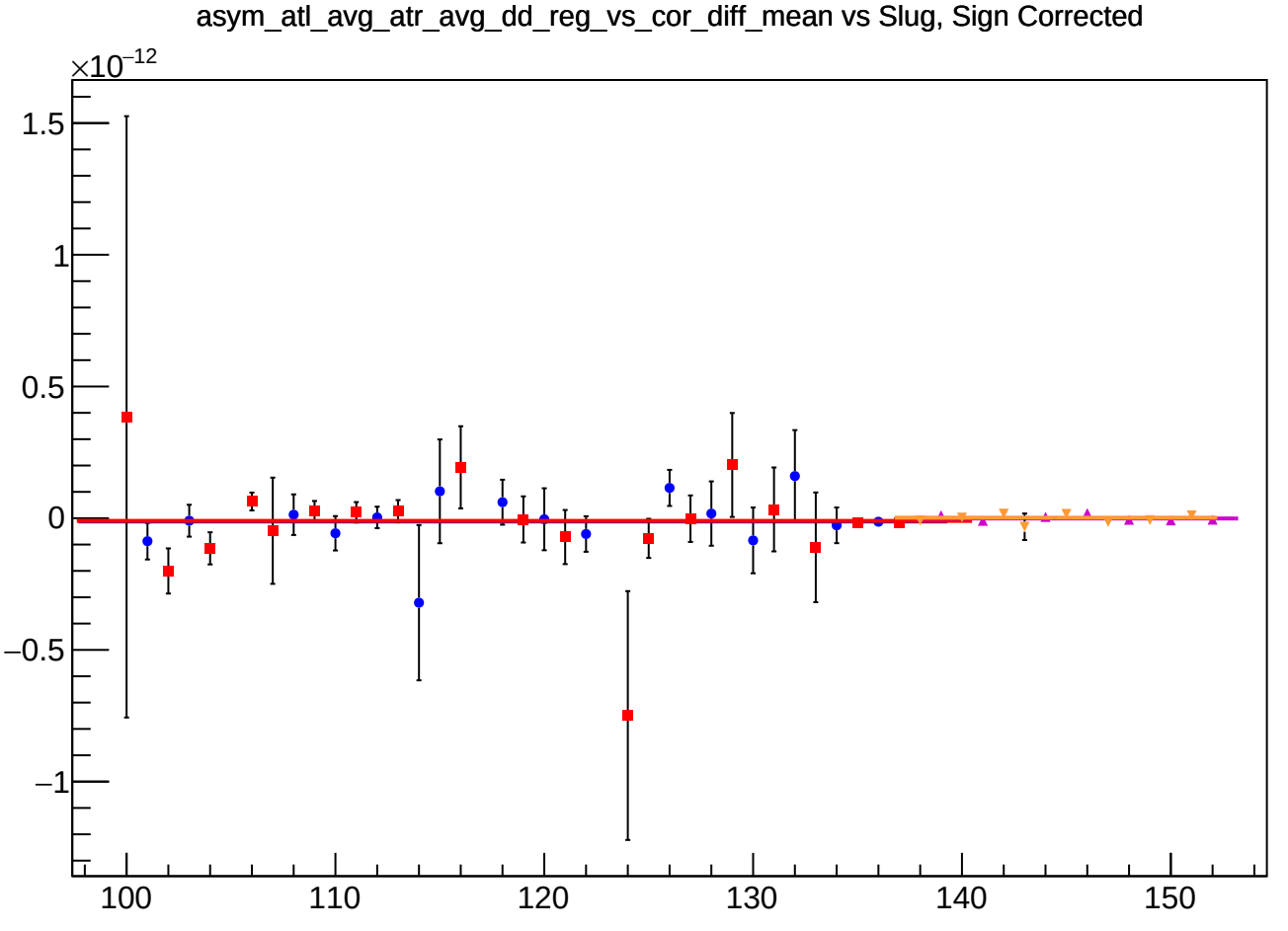
Left: 1344.406+/-0.273 χ^2/NDF: 477861.5/14

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1398.101+/-0.274 χ^2/NDF:689070.1/22

Out: 1433.400+/-0.282 χ^2/NDF:1128035.4/26

All: 1415.249+/-0.197 χ^2/NDF: 1825165.2/49



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:8.9/6

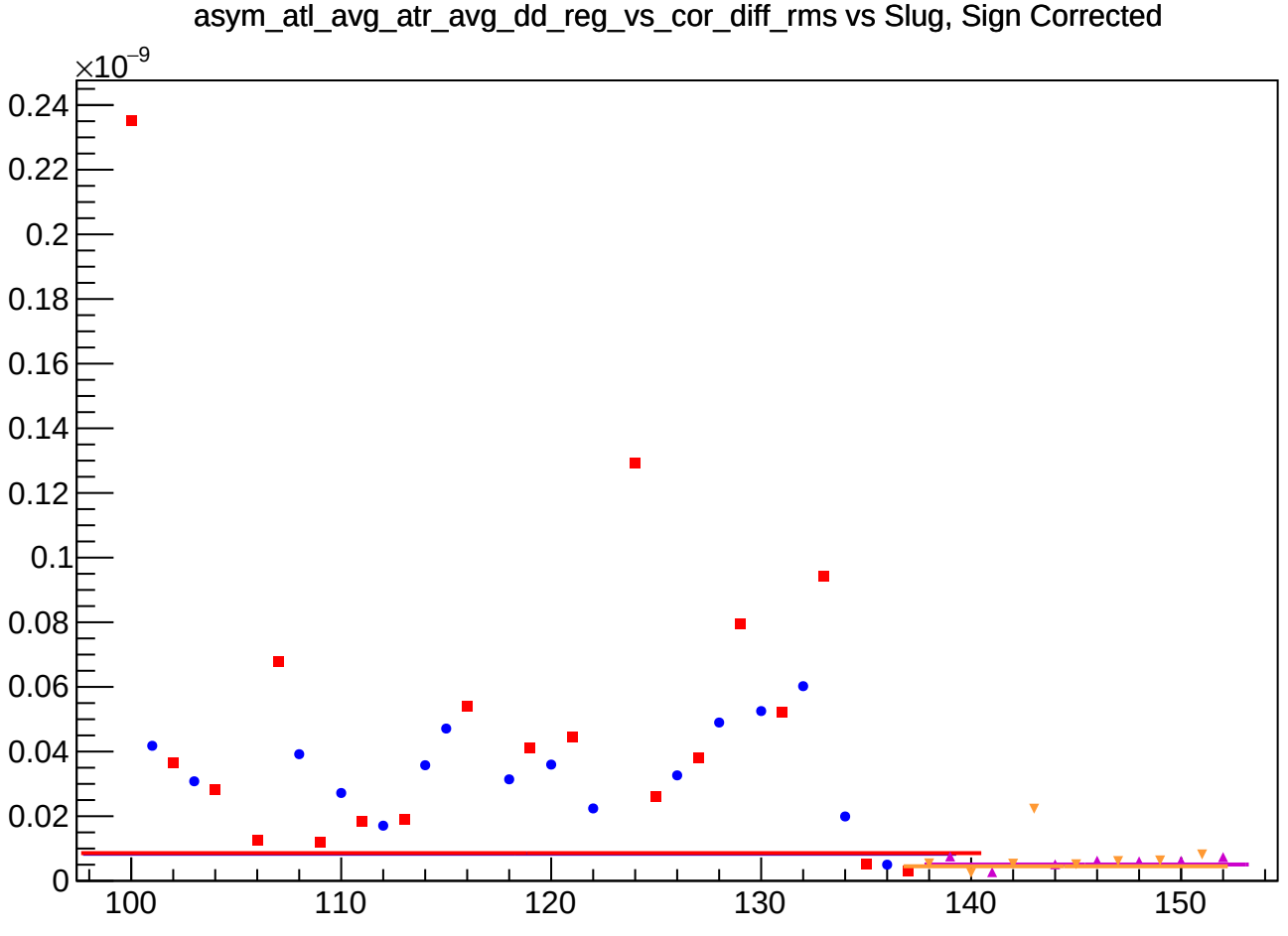
Left: 0.000+/-0.000 χ^2/NDF: 19.2/14

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:20.3/22

Out: 0.000+/-0.000 χ^2/NDF:34.2/26

All: -0.000+/-0.000 χ^2/NDF: 55.1/49



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:566513.4/6

Left: 0.000+/-0.000 χ^2/NDF: 1504530.4/14

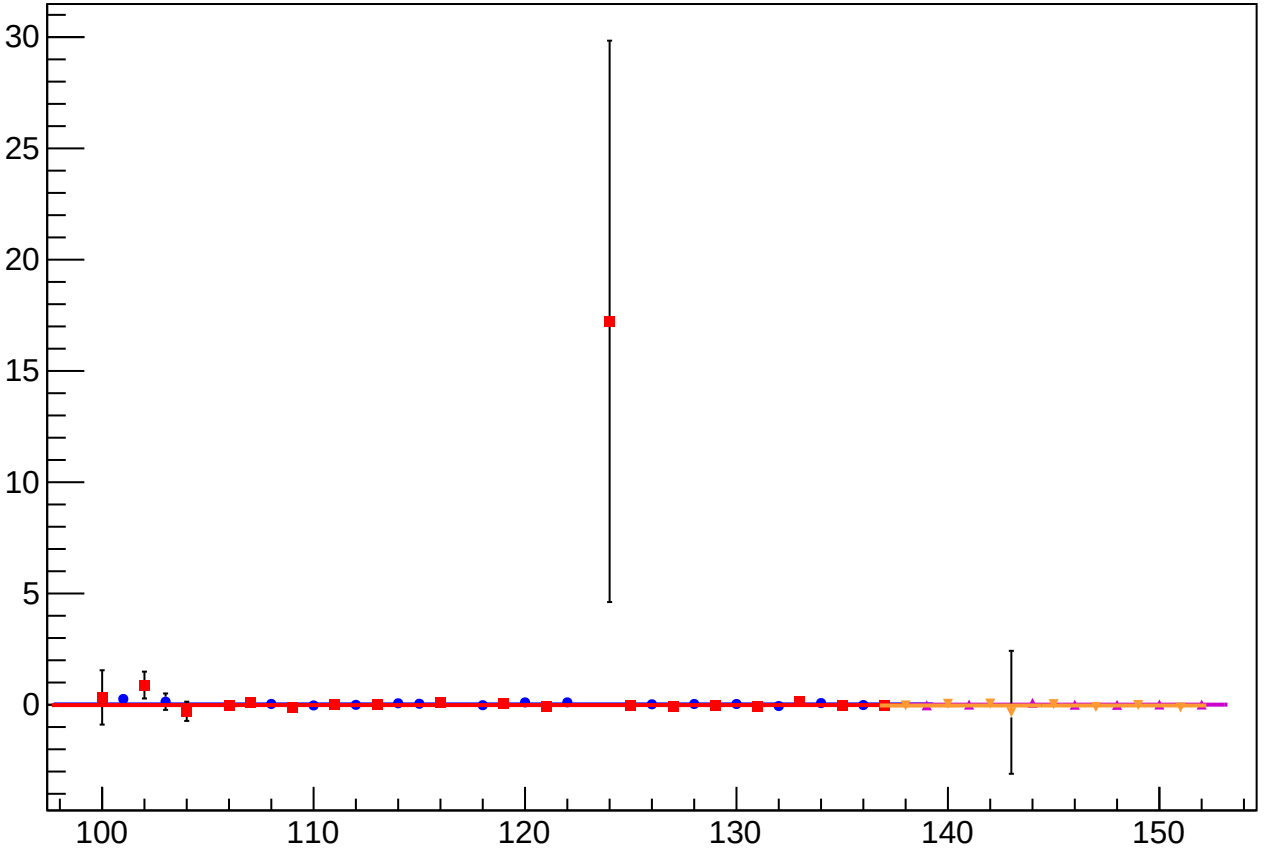
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3956882.0/22

Out: 0.000+/-0.000 χ^2/NDF:4702209.1/26

All: 0.000+/-0.000 χ^2/NDF: 8693659.3/49

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.032+/-0.014 χ^2/NDF:15.0/7

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.013+/-0.010 χ^2/NDF: 22.0/14

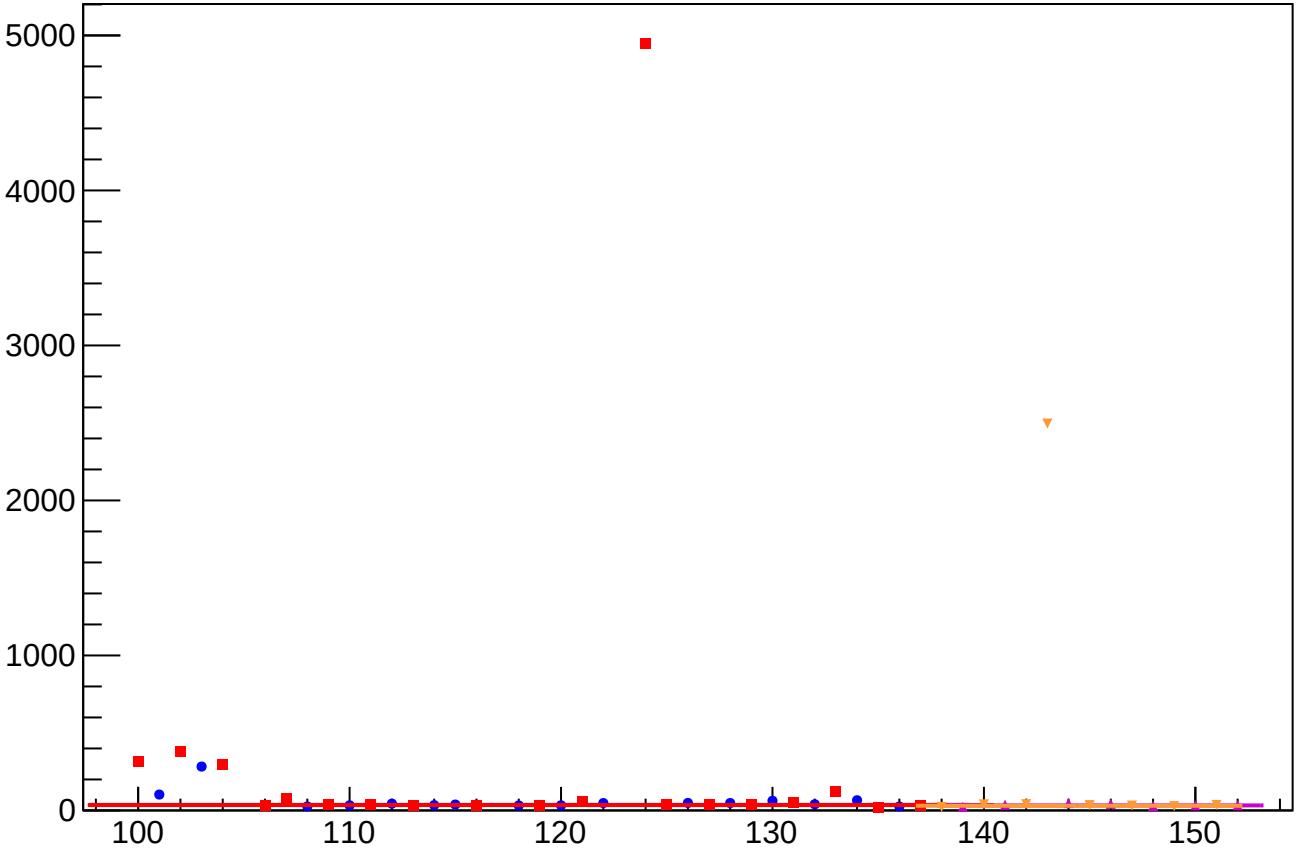
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.006+/-0.007 χ^2/NDF: 52.4/49

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: 32.493+/-0.010 χ^2/NDF:481357.8/6

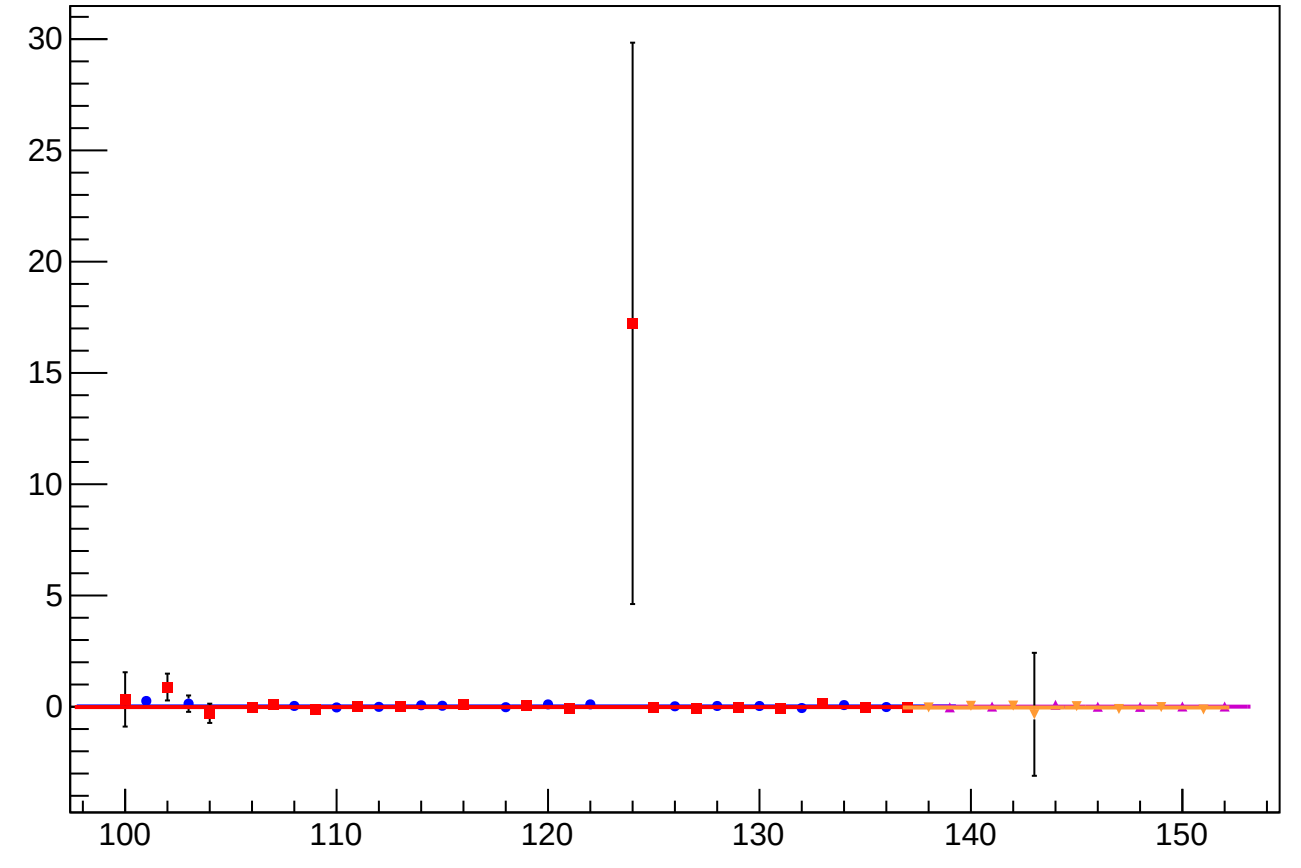
Left: 31.411+/-0.007 χ^2/NDF: 2445848.9/14

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.019+/-0.007 χ^2/NDF:2793052.1/22

Out: 32.390+/-0.007 χ^2/NDF:4944357.8/26

All: 33.203+/-0.005 χ^2/NDF: 7761131.0/49



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: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.013+/-0.010 χ^2/NDF: 22.0/14

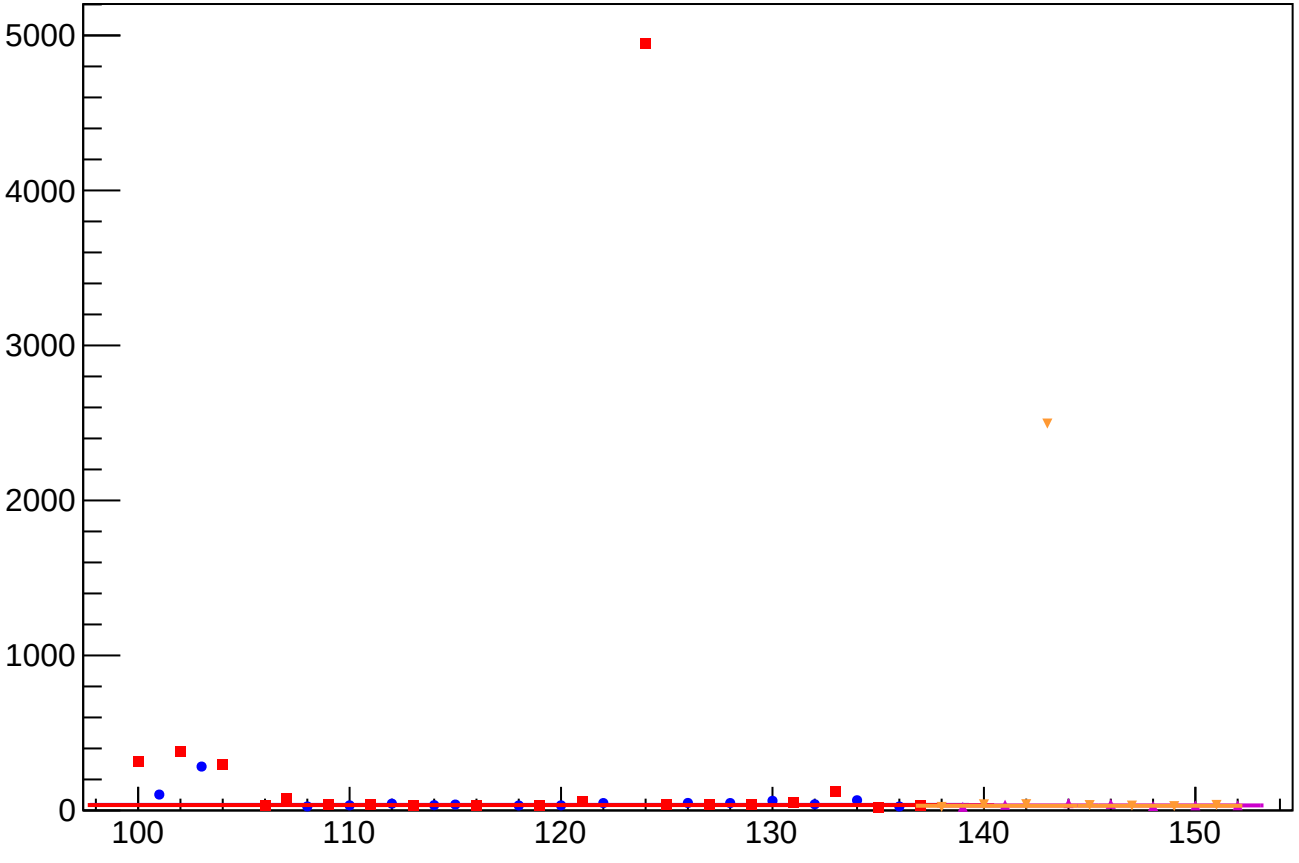
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.006+/-0.007 χ^2/NDF: 52.4/49

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: 32.493+/-0.010 χ^2/NDF:481357.8/6

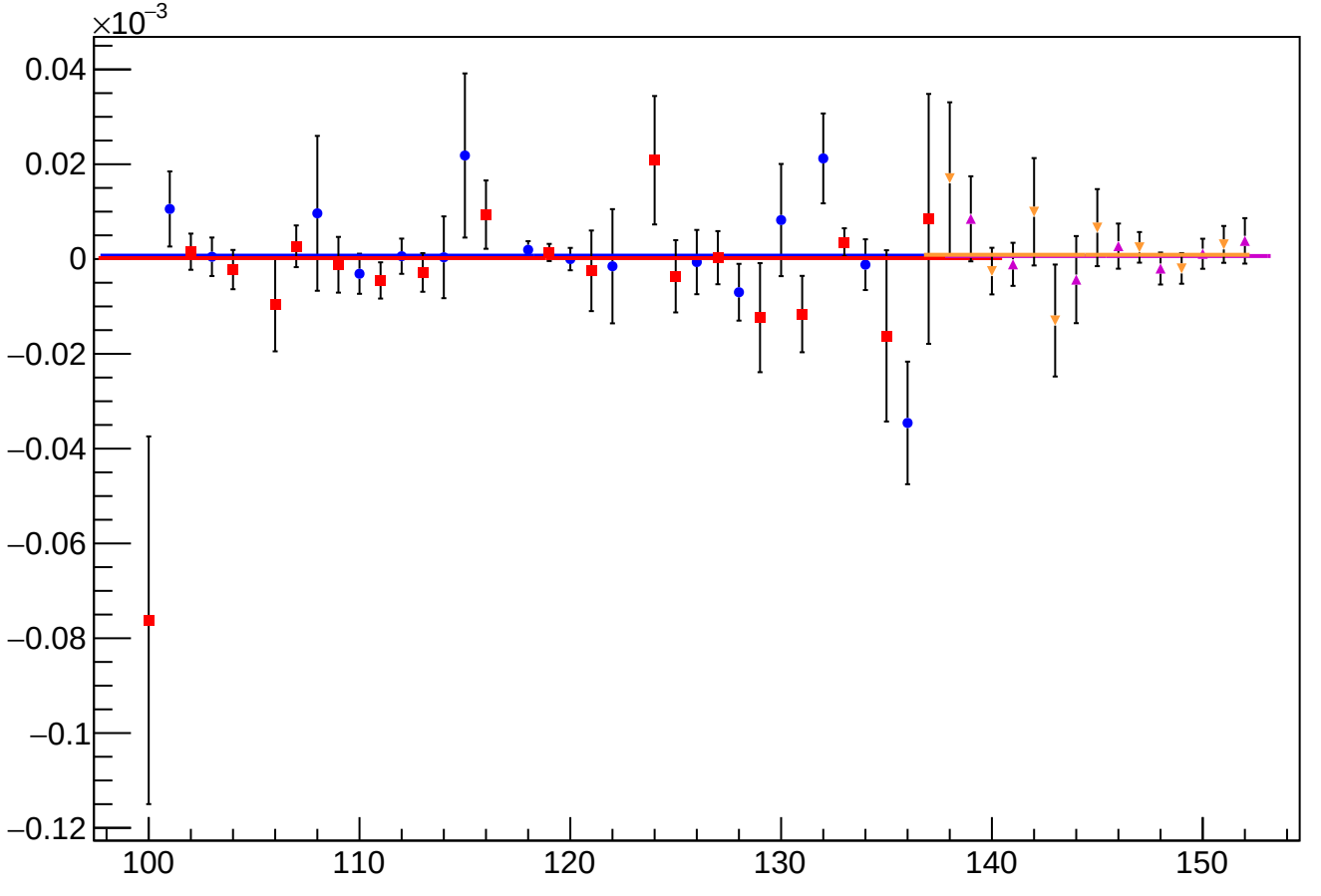
Left: 31.411+/-0.007 χ^2/NDF: 2445848.9/14

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.019+/-0.007 χ^2/NDF:2793052.1/22

Out: 32.390+/-0.007 χ^2/NDF:4944357.8/26

All: 33.203+/-0.005 χ^2/NDF: 7761131.0/49



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:2.5/6

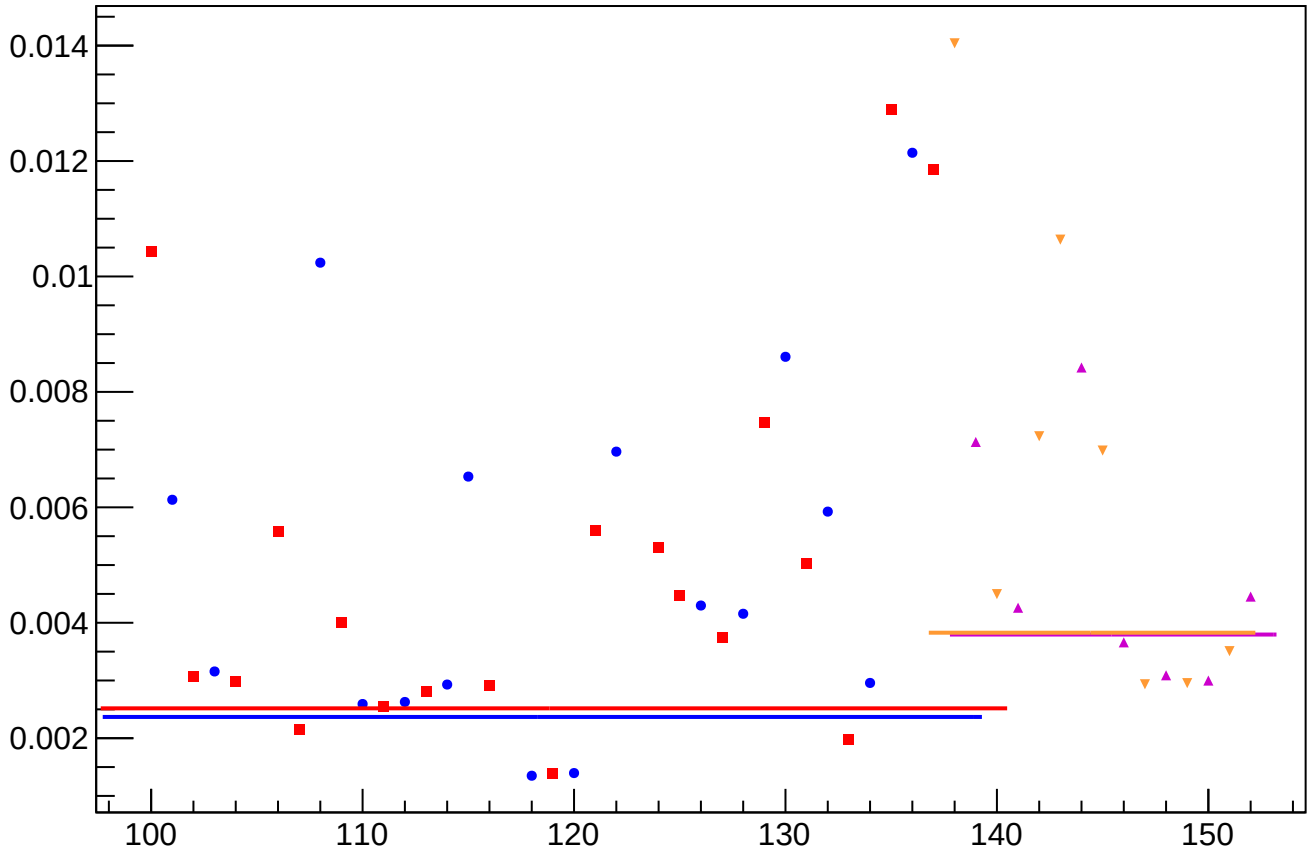
Left: 0.000+/-0.000 χ^2/NDF: 7.9/14

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:21.6/22

Out: 0.000+/-0.000 χ^2/NDF:23.6/26

All: 0.000+/-0.000 χ^2/NDF: 45.2/49



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:1057970.7/6

Left: 0.004+/-0.000 χ^2/NDF: 3366779.6/14

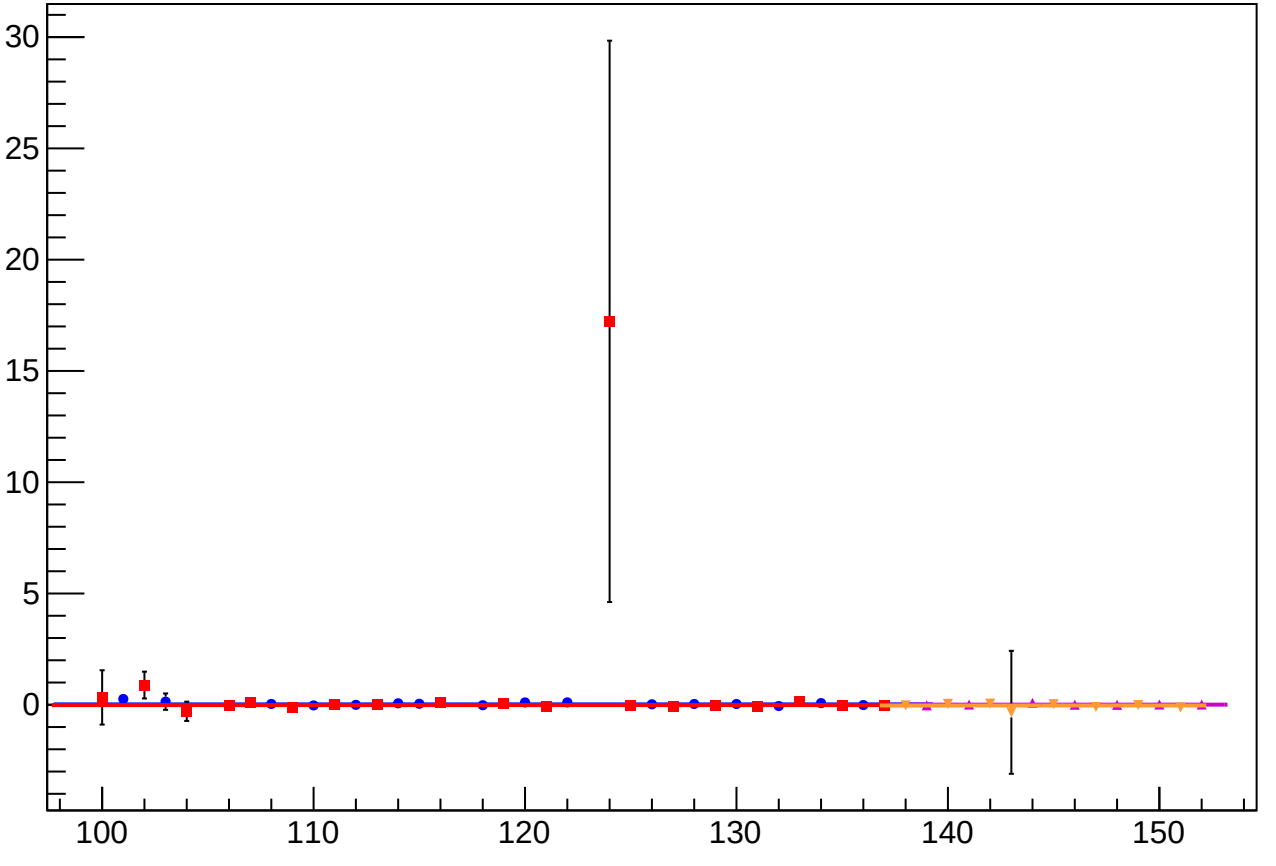
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6774062.3/22

Out: 0.003+/-0.000 χ^2/NDF:6536868.2/26

All: 0.003+/-0.000 χ^2/NDF: 13318922.0/49

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: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.013+/-0.010 χ^2/NDF: 22.0/14

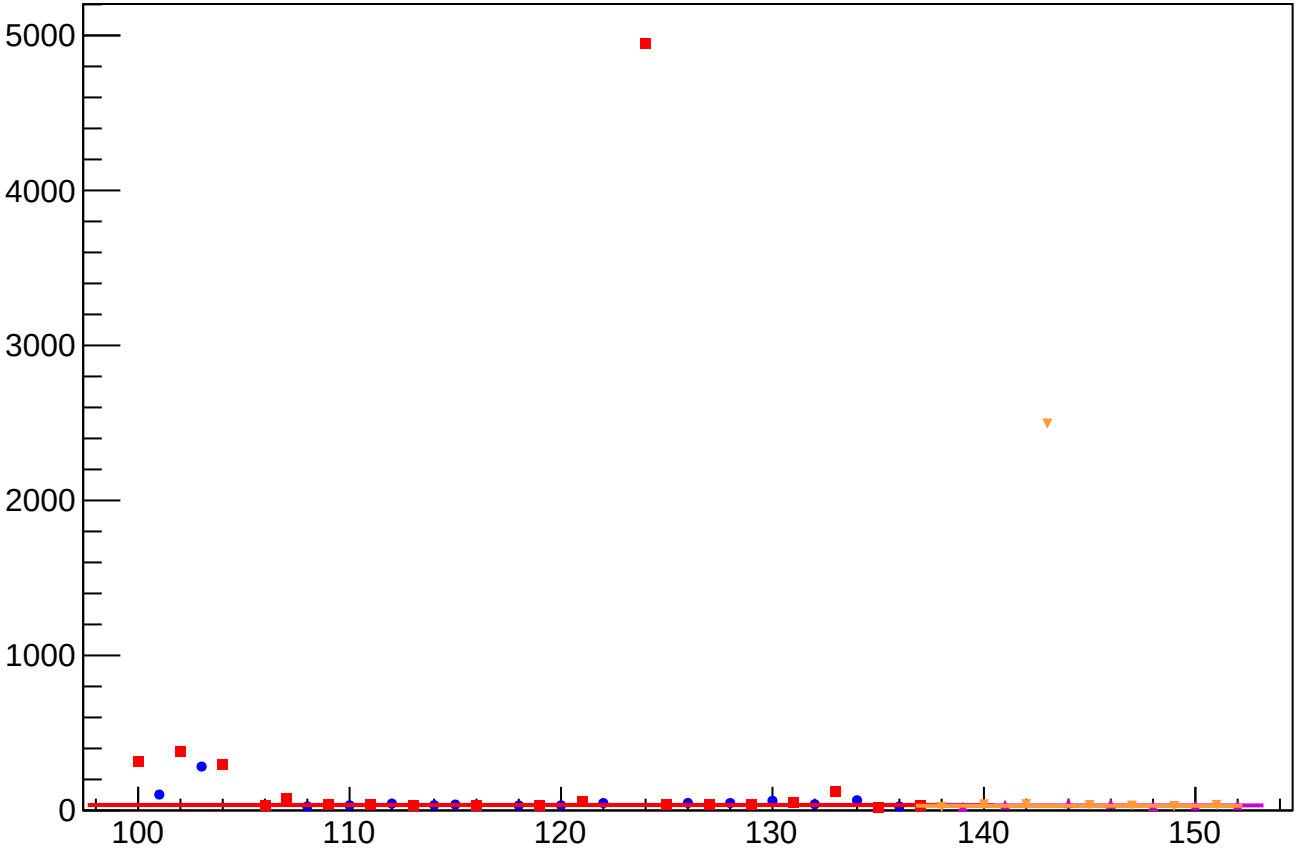
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.006+/-0.007 χ^2/NDF: 52.4/49

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: 32.491+/-0.010 χ^2/NDF:481691.3/6

Left: 31.410+/-0.007 χ^2/NDF: 2446375.9/14

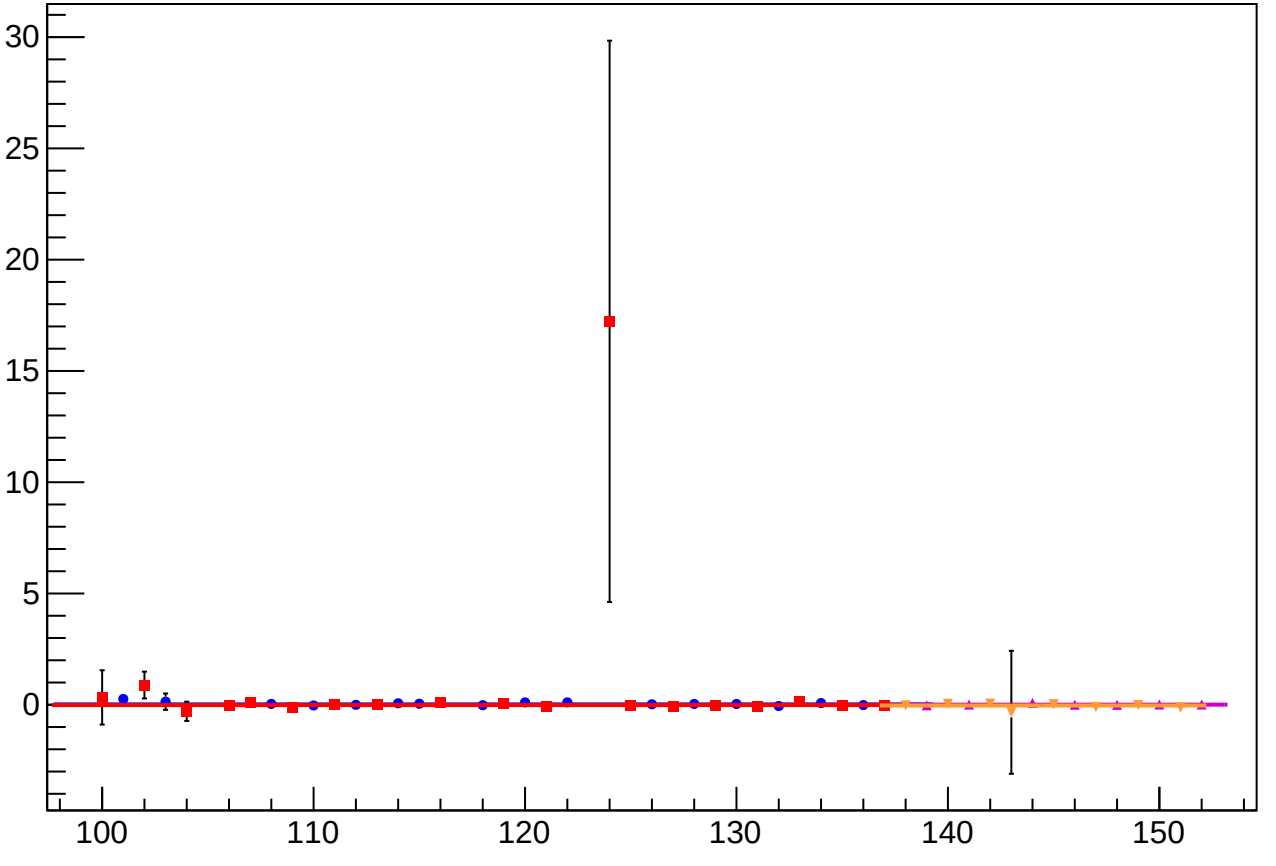
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.019+/-0.007 χ^2/NDF:2793215.3/22

Out: 32.390+/-0.007 χ^2/NDF:4944458.6/26

All: 33.203+/-0.005 χ^2/NDF: 7761371.1/49

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: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.013+/-0.010 χ^2/NDF: 22.0/14

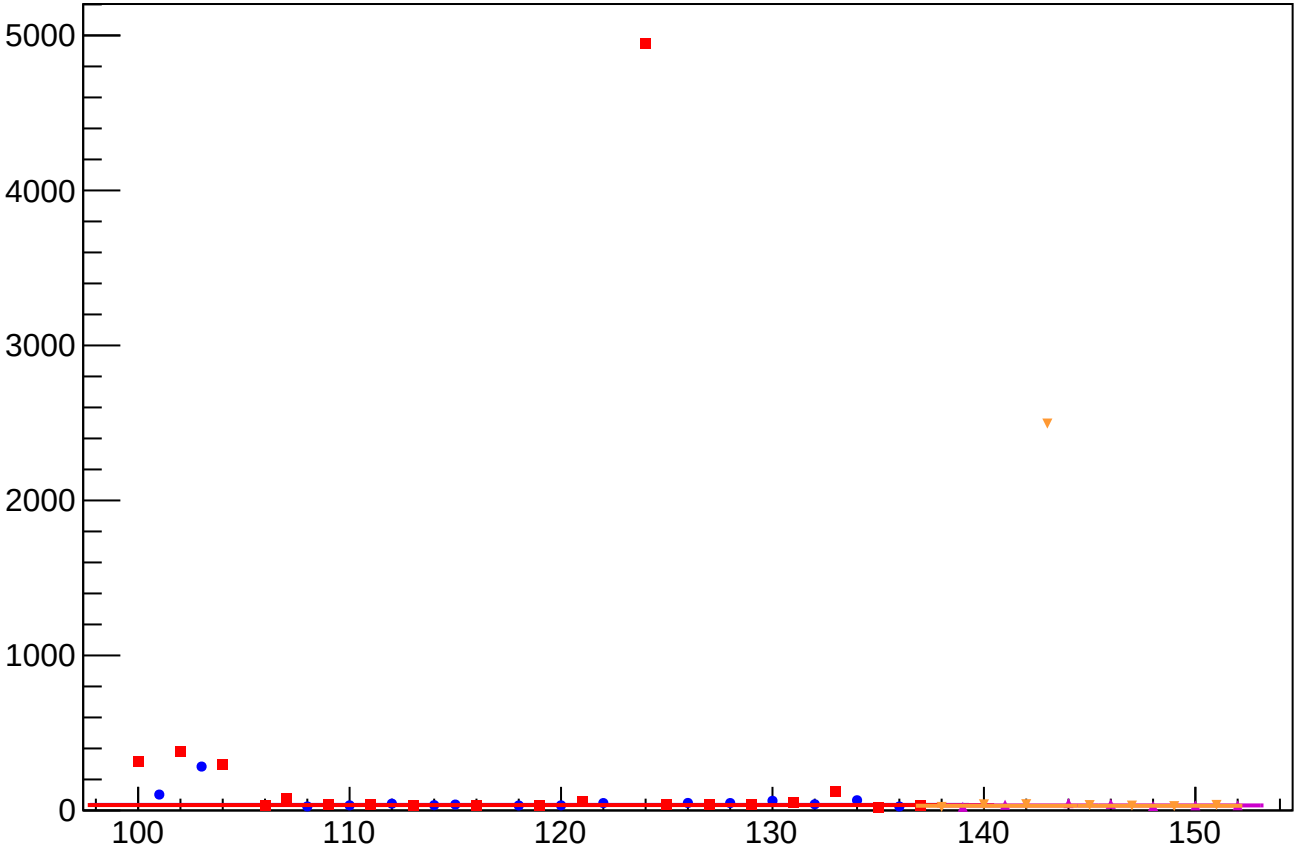
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.006+/-0.007 χ^2/NDF: 52.4/49

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: 32.491+/-0.010 χ^2/NDF:481691.3/6

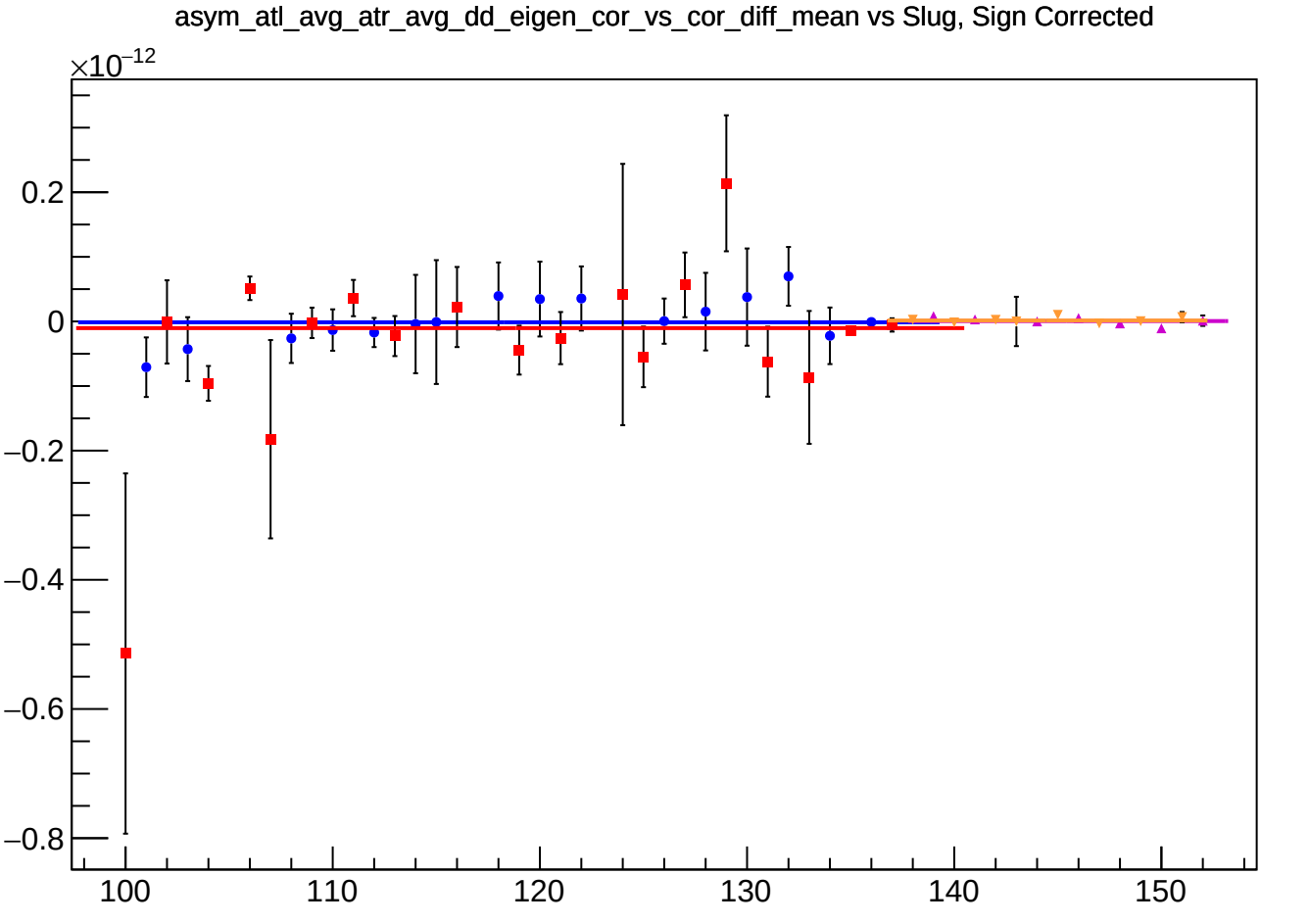
Left: 31.410+/-0.007 χ^2/NDF: 2446375.9/14

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

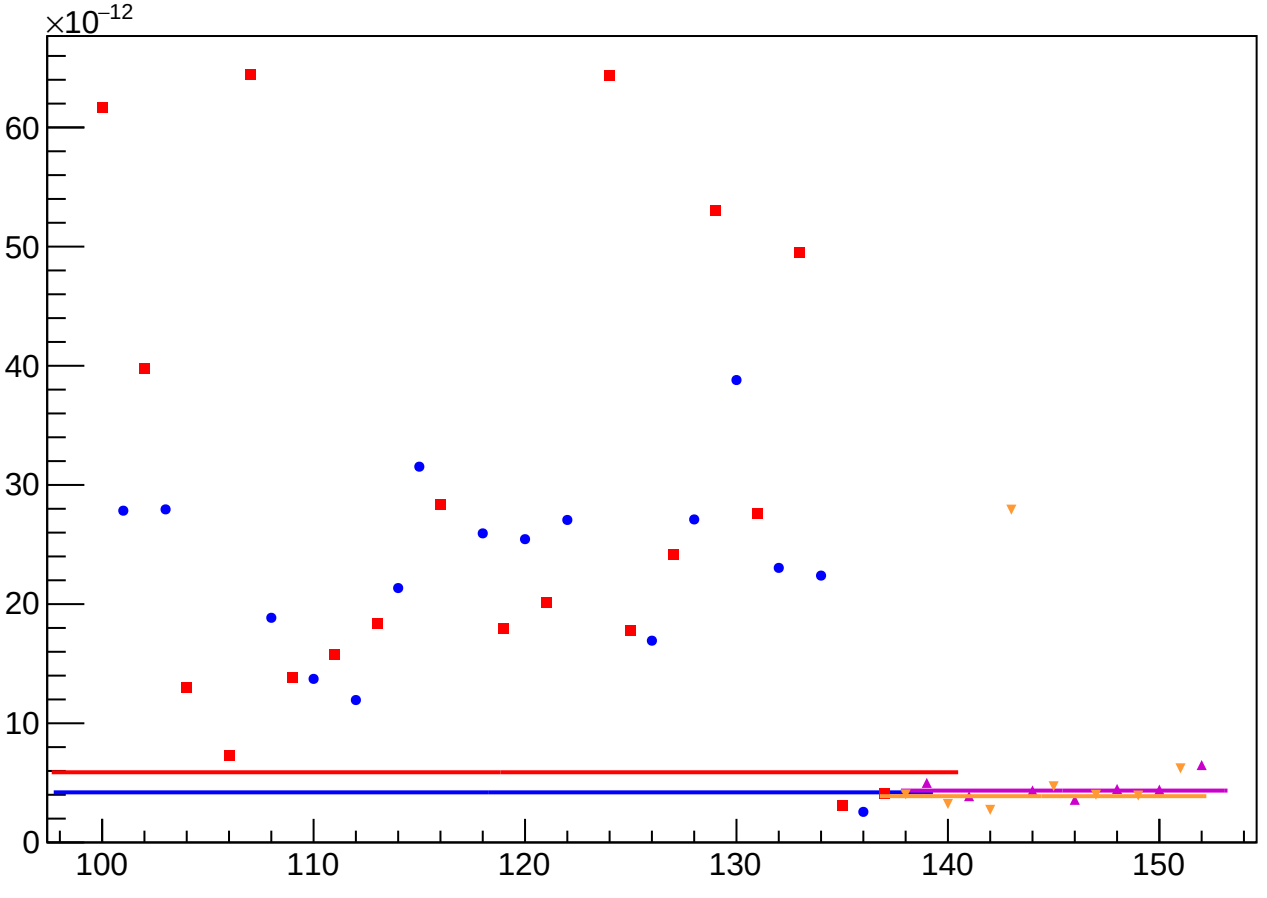
In: 34.019+/-0.007 χ^2/NDF:2793215.3/22

Out: 32.390+/-0.007 χ^2/NDF:4944458.6/26

All: 33.203+/-0.005 χ^2/NDF: 7761371.1/49


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3.7/7
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:7.3/6
Left: 0.000+/-0.000 χ²/NDF: 11.1/14
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:16.1/22
Out: -0.000+/-0.000 χ²/NDF:50.0/26
All: -0.000+/-0.000 χ²/NDF: 66.2/49

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1153607.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:232556.5/6

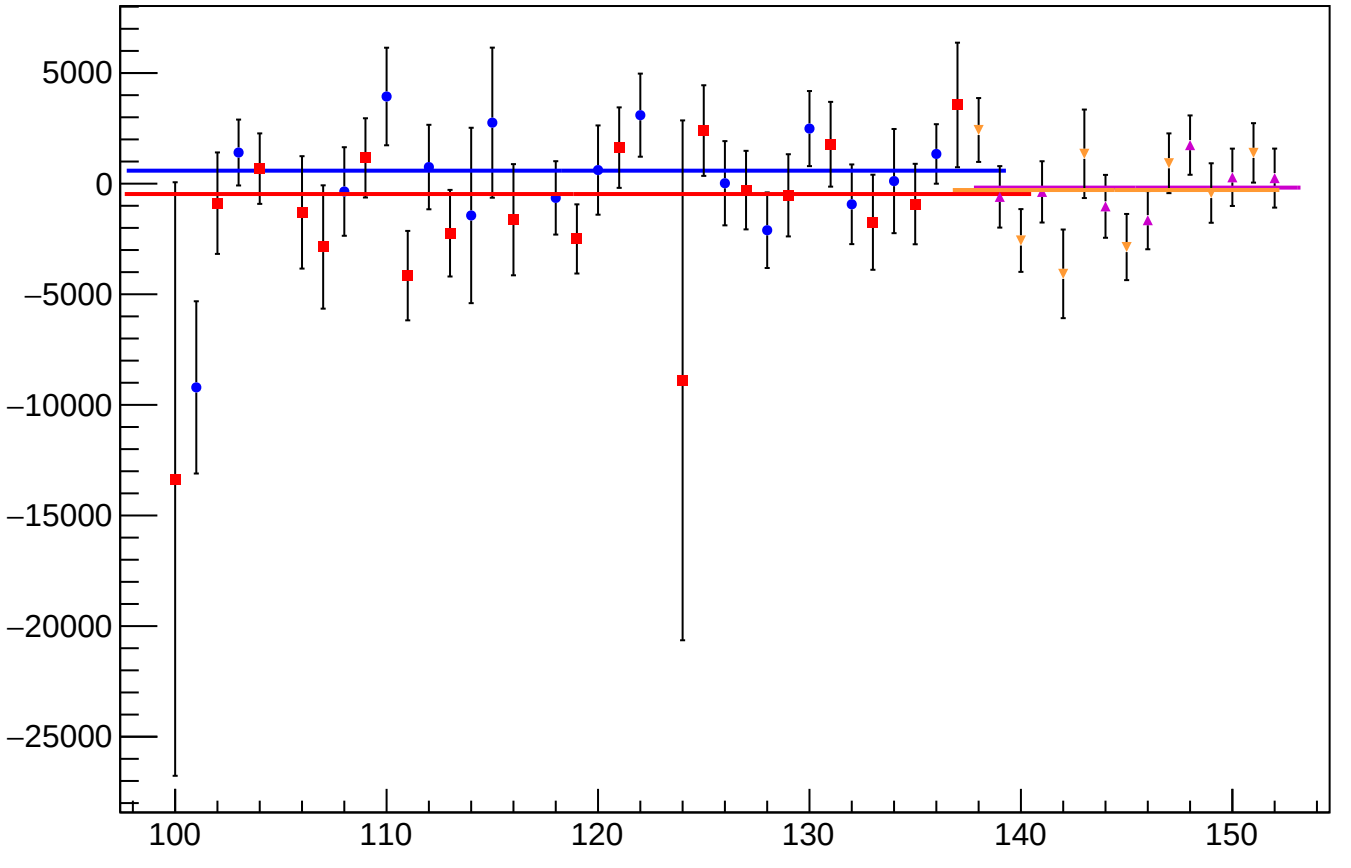
Left: 0.000+/-0.000 χ^2/NDF: 1437300.6/14

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5315487.7/22

Out: 0.000+/-0.000 χ^2/NDF:6388812.4/26

All: 0.000+/-0.000 χ^2/NDF: 11705008.6/49



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: -178.905+/-511.253 χ^2/NDF:4.0/6

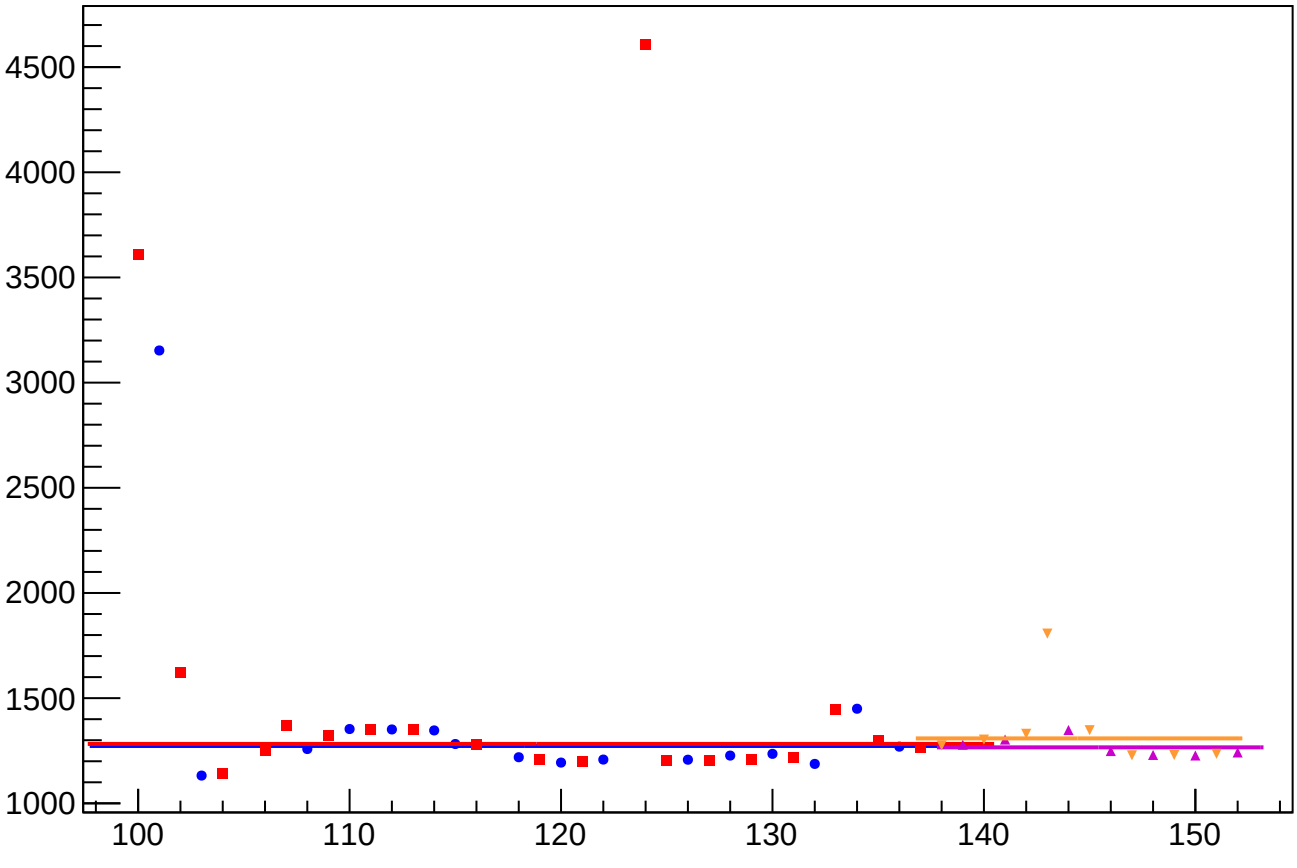
Left: -231.575+/-367.502 χ^2/NDF: 19.7/14

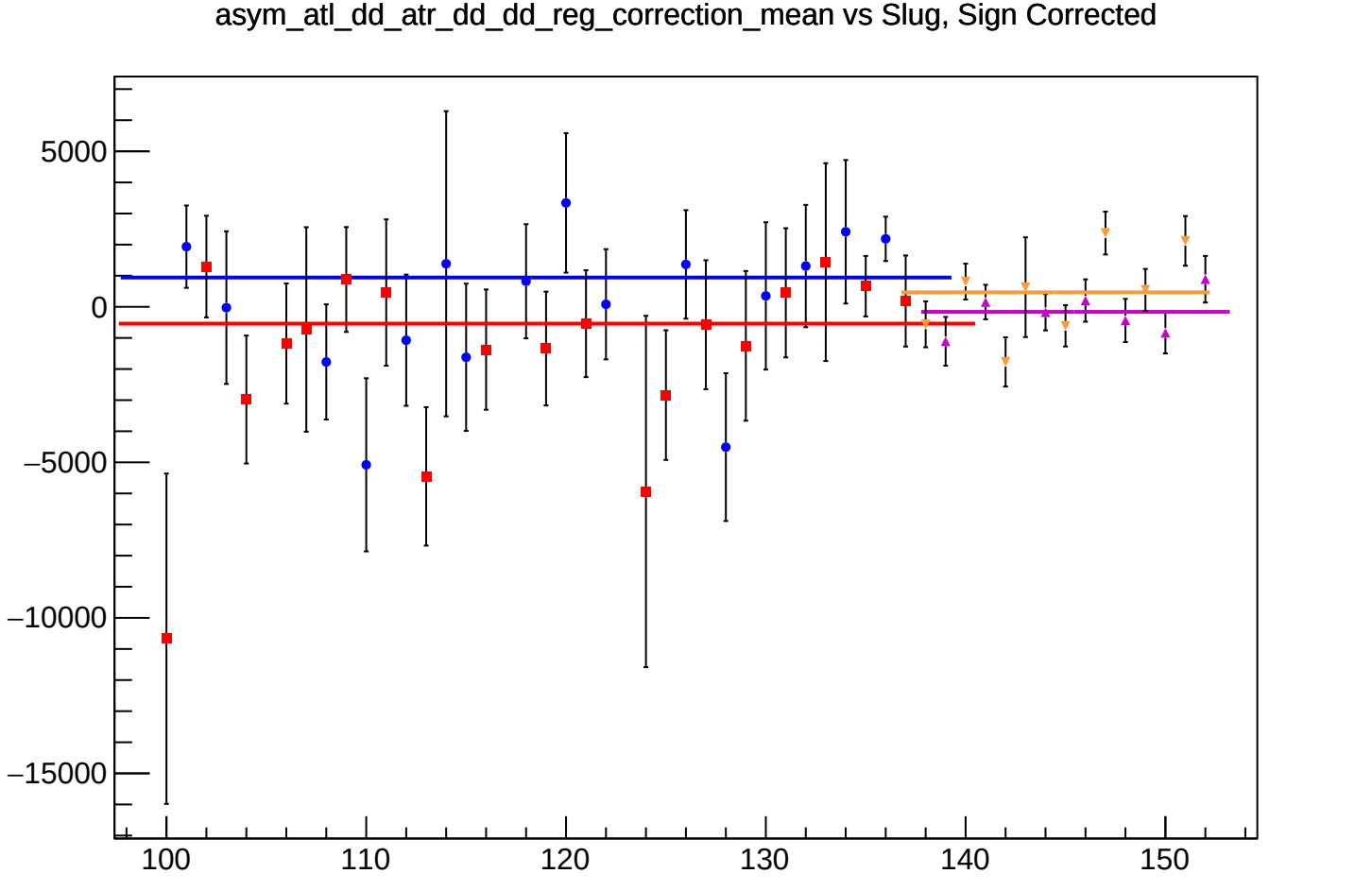
Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 226.207+/-350.878 χ^2/NDF:22.3/22

Out: -387.067+/-355.574 χ^2/NDF:32.6/26

All: -76.354+/-249.752 χ^2/NDF: 56.4/49


reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 1272.804+/-0.341 χ²/NDF: 519298.2/15
Left Out: 1308.640+/-0.374 χ²/NDF:146779.5/7
Right Out: 1282.365+/-0.340 χ²/NDF: 322078.6/18
Left In: 1266.109+/-0.362 χ²/NDF:12564.9/6
Left: 1286.664+/-0.260 χ²/NDF: 166033.7/14
Right: 1277.604+/-0.241 χ²/NDF: 841771.1/34
In: 1269.651+/-0.248 χ²/NDF:532044.5/22
Out: 1294.252+/-0.251 χ²/NDF:471563.7/26
All: 1281.788+/-0.177 χ²/NDF: 1008458.9/49



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: -161.627+/-249.140 χ^2/NDF:5.2/6

Left: 140.545+/-179.304 χ^2/NDF: 33.2/14

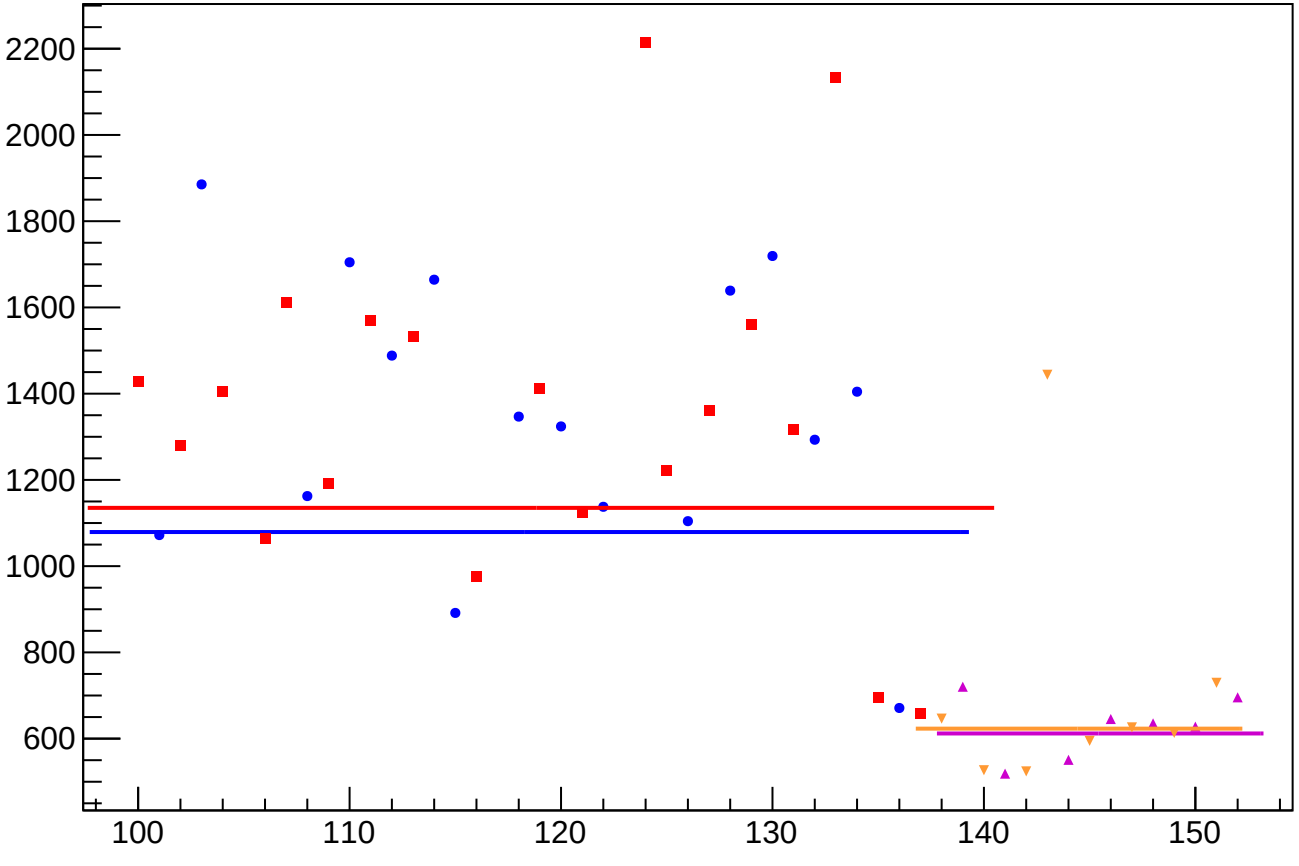
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 119.745+/-215.040 χ^2/NDF:30.1/22

Out: 207.417+/-222.711 χ^2/NDF:45.9/26

All: 162.046+/-154.697 χ^2/NDF: 76.2/49

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 623.157+/-0.183 χ^2/NDF:652859.0/7

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 611.959+/-0.176 χ^2/NDF:150058.6/6

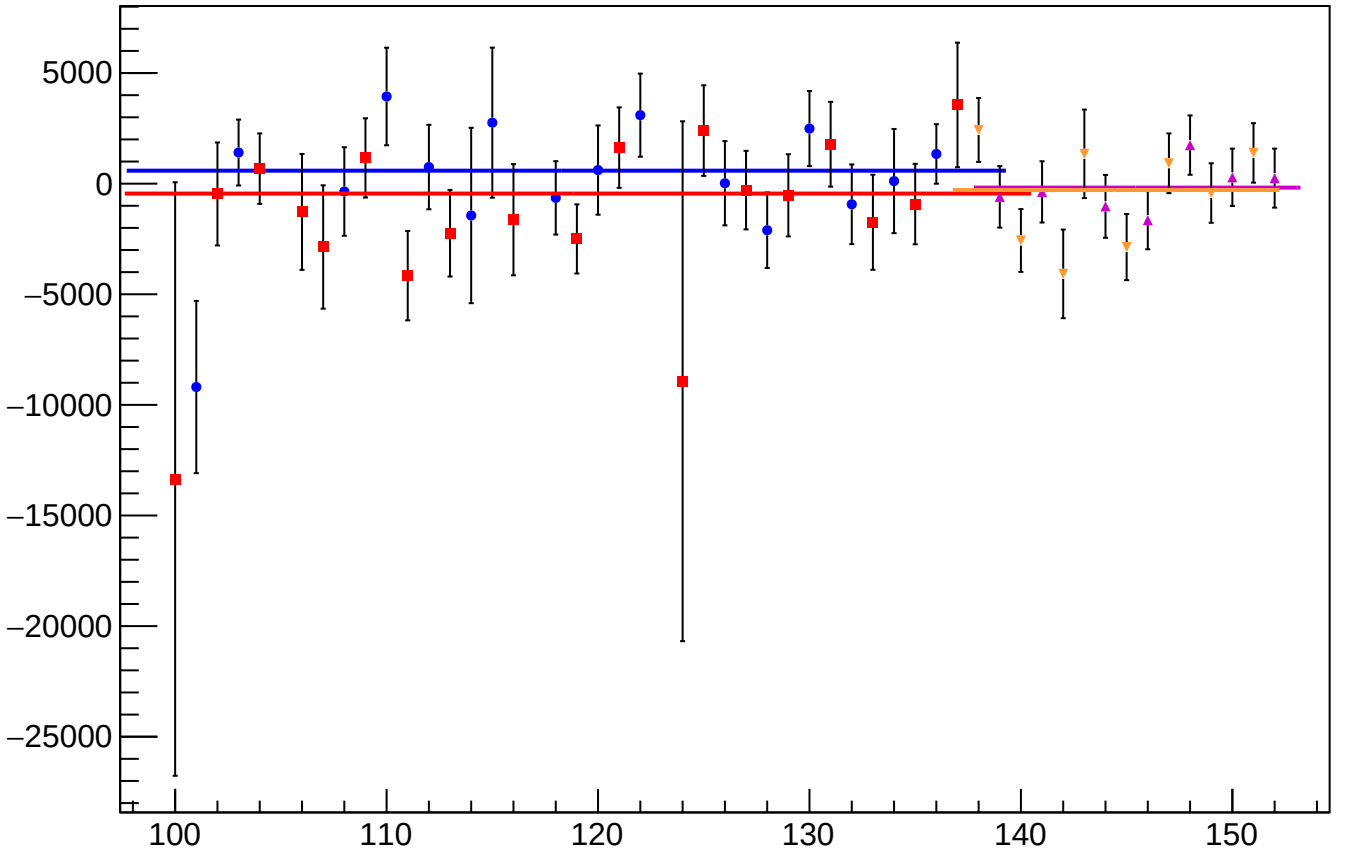
Left: 617.357+/-0.127 χ^2/NDF: 804865.3/14

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 731.088+/-0.152 χ^2/NDF:3425490.7/22

Out: 754.388+/-0.157 χ^2/NDF:3960832.6/26

All: 742.330+/-0.109 χ^2/NDF: 7397651.9/49



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: -178.935+/-511.253 χ^2/NDF:4.0/6

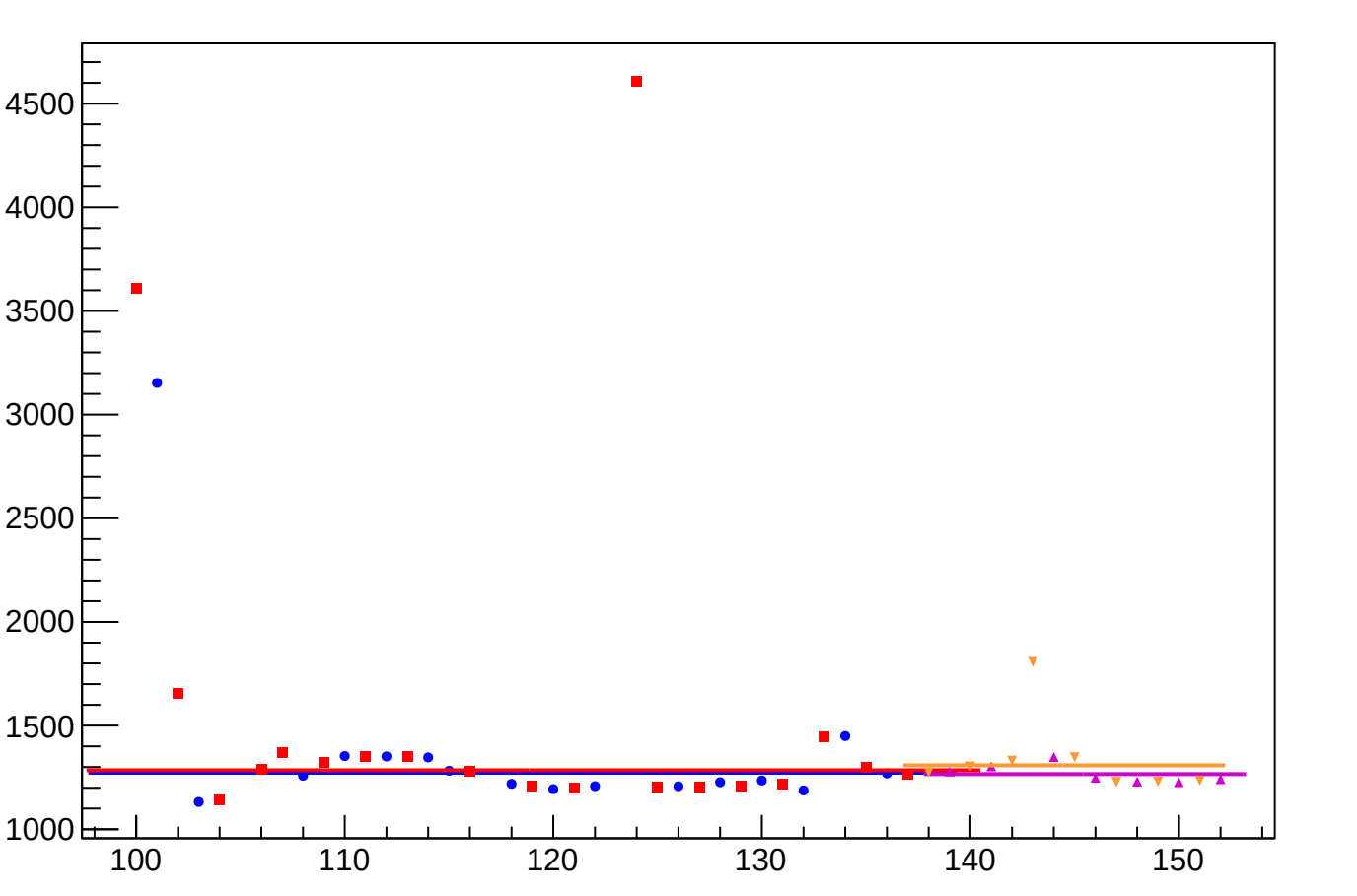
Left: -231.650+/-367.502 χ^2/NDF: 19.7/14

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 226.362+/-350.878 χ^2/NDF:22.2/22

Out: -375.708+/-355.905 χ^2/NDF:32.6/26

All: -70.391+/-249.867 χ^2/NDF: 56.3/49



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: 1266.109+/-0.362 χ^2/NDF:12564.9/6

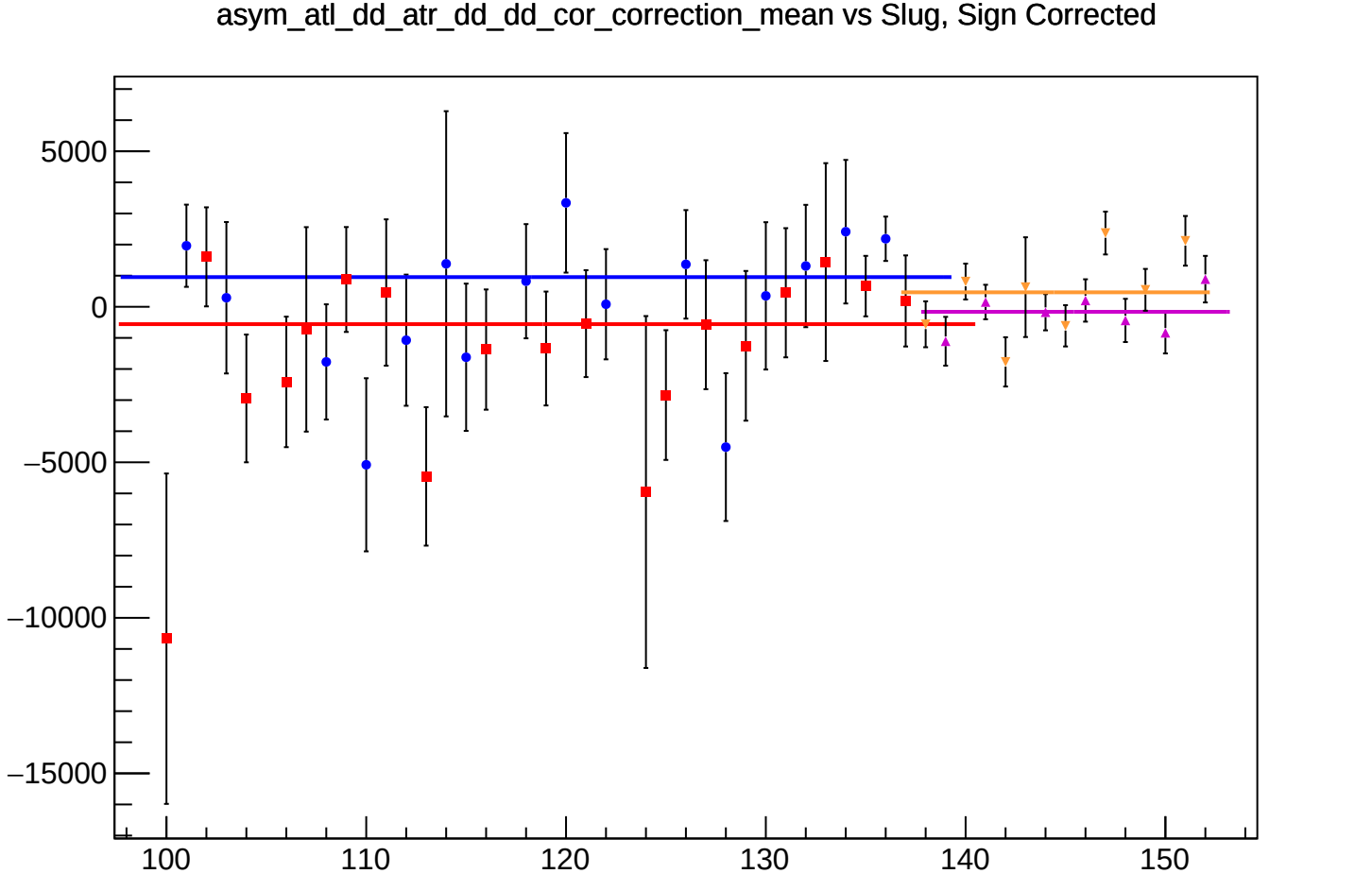
Left: 1286.664+/-0.260 χ^2/NDF: 166033.7/14

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1269.651+/-0.248 χ^2/NDF:532045.9/22

Out: 1295.526+/-0.252 χ^2/NDF:477765.6/26

All: 1282.404+/-0.177 χ^2/NDF: 1015172.6/49



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: -161.691+/-249.138 χ^2/NDF:5.2/6

Left: 140.492+/-179.304 χ^2/NDF: 33.2/14

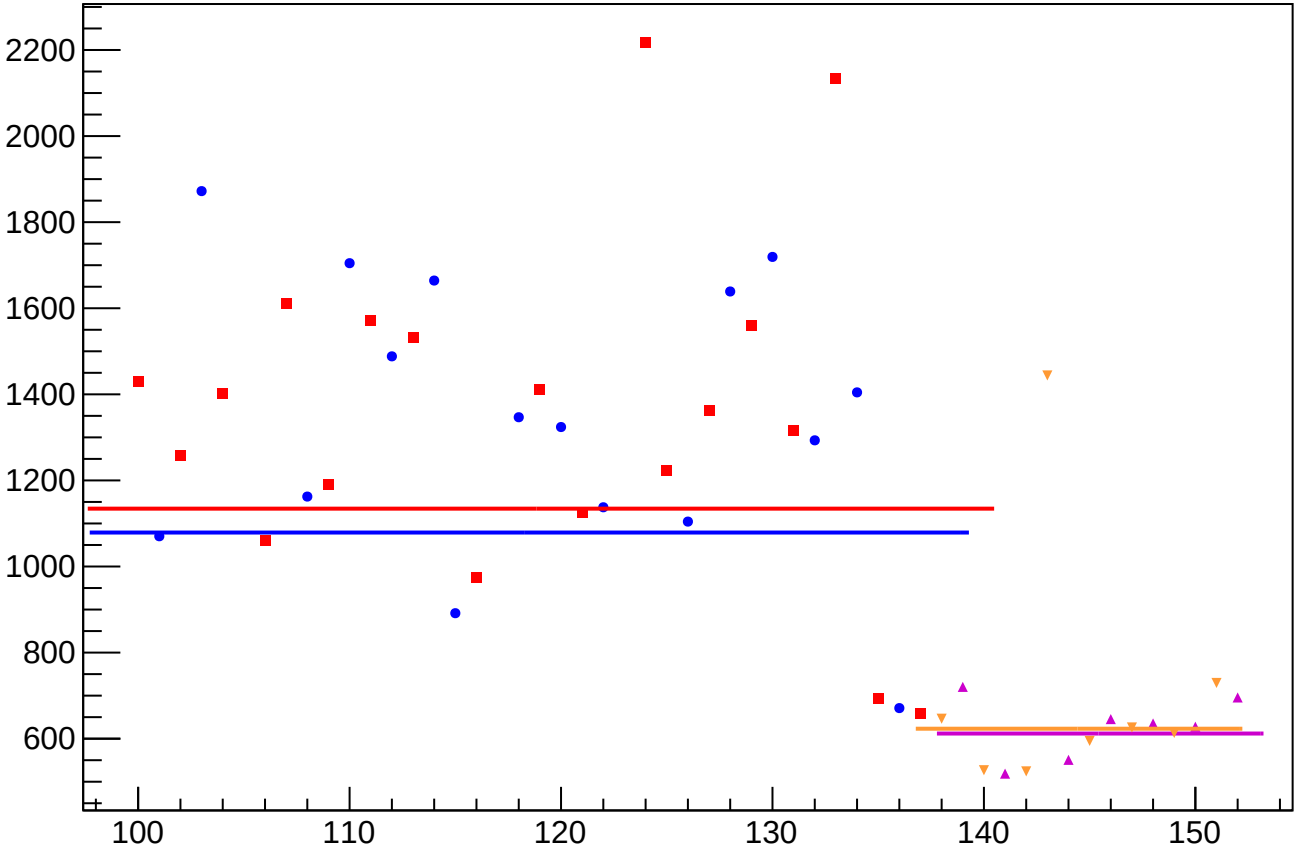
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 123.028+/-215.016 χ^2/NDF:30.2/22

Out: 203.709+/-222.823 χ^2/NDF:47.3/26

All: 161.930+/-154.726 χ^2/NDF: 77.6/49

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 623.168+/-0.183 χ^2/NDF:652790.4/7

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 611.952+/-0.176 χ^2/NDF:150074.9/6

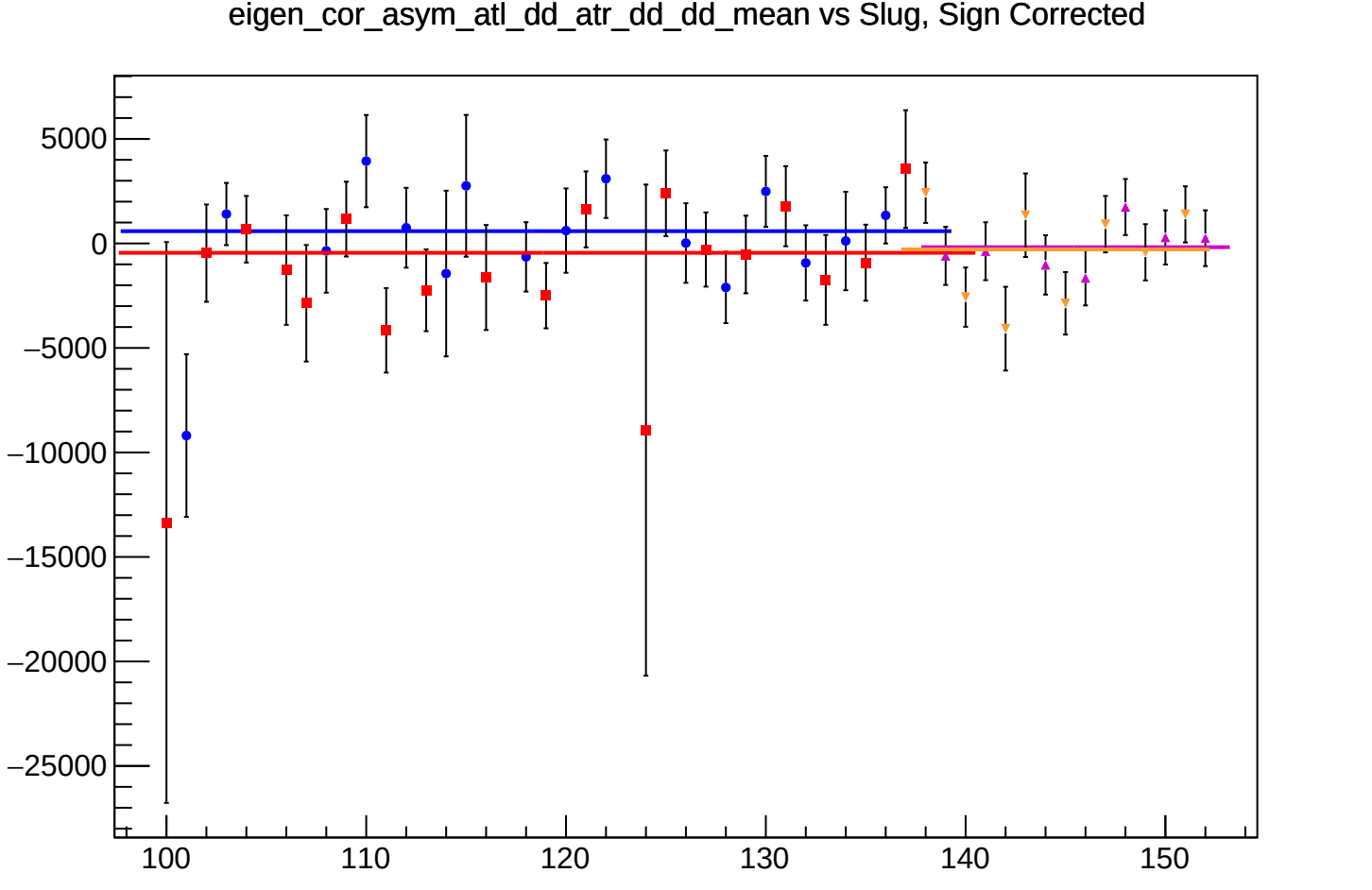
Left: 617.359+/-0.127 χ^2/NDF: 804819.0/14

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 731.107+/-0.152 χ^2/NDF:3421716.4/22

Out: 753.834+/-0.158 χ^2/NDF:3944929.8/26

All: 742.066+/-0.109 χ^2/NDF: 7377419.9/49



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: -178.935+/-511.253 χ^2/NDF:4.0/6

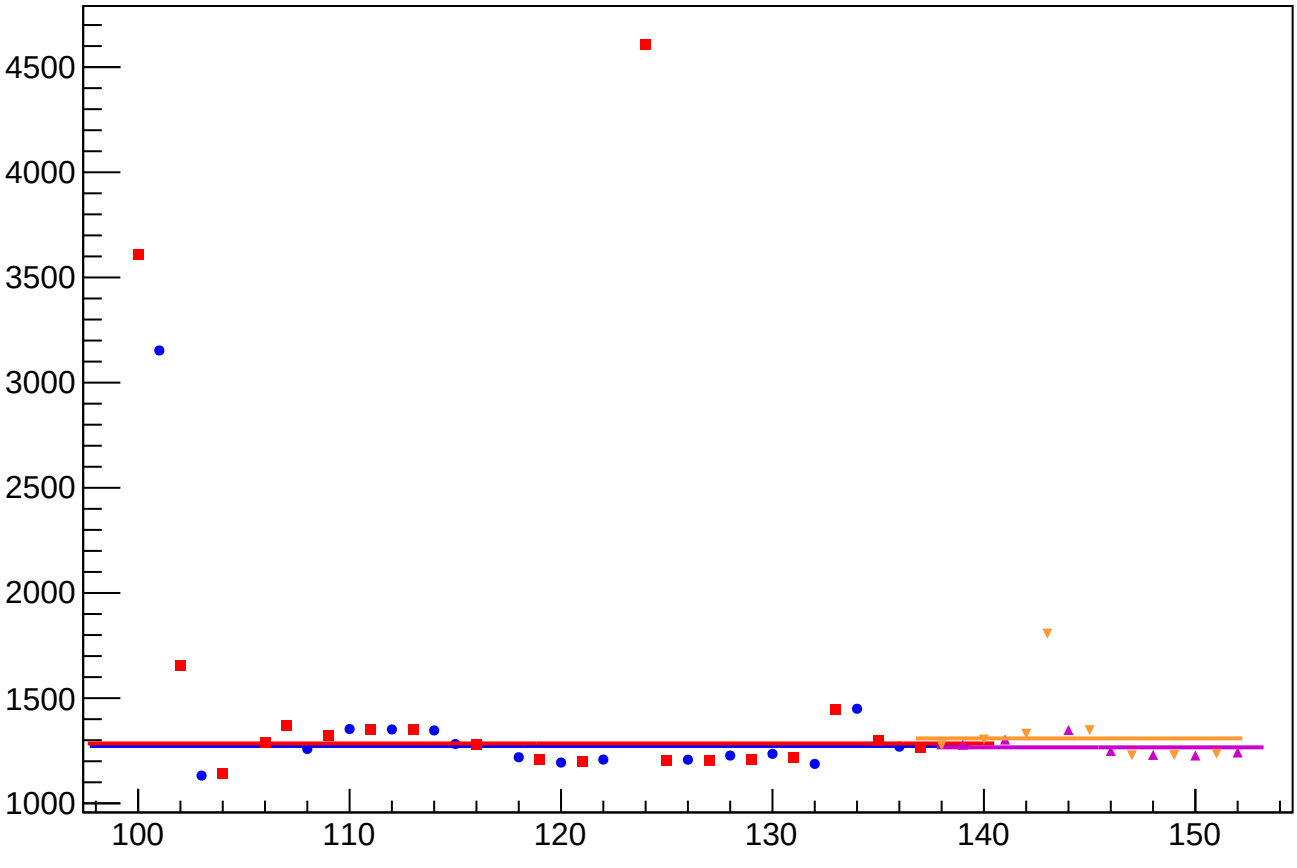
Left: -231.650+/-367.502 χ^2/NDF: 19.7/14

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 226.362+/-350.878 χ^2/NDF:22.2/22

Out: -375.708+/-355.905 χ^2/NDF:32.6/26

All: -70.391+/-249.867 χ^2/NDF: 56.3/49



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: 1266.109+/-0.362 χ^2/NDF:12564.9/6

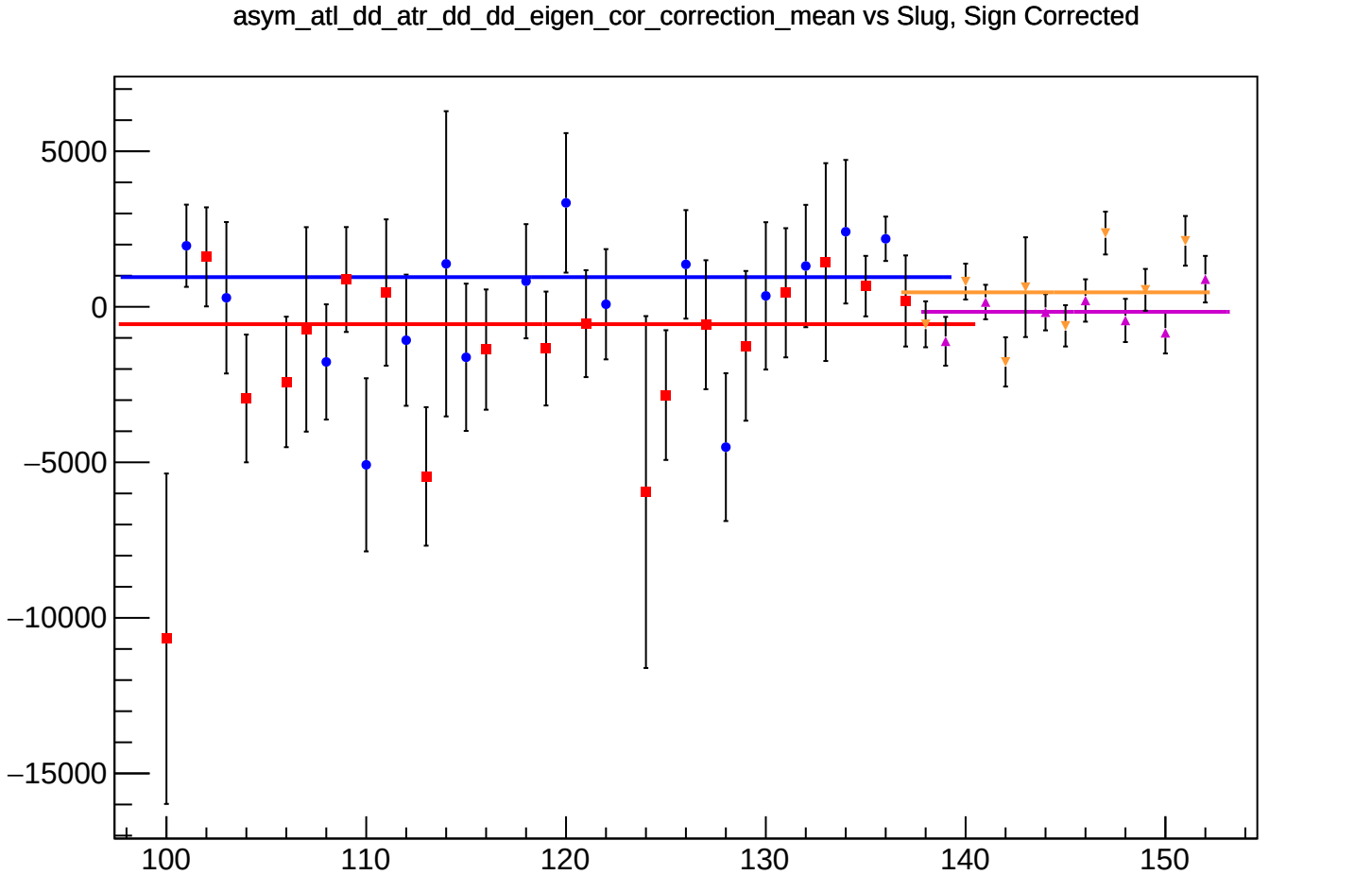
Left: 1286.664+/-0.260 χ^2/NDF: 166033.7/14

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

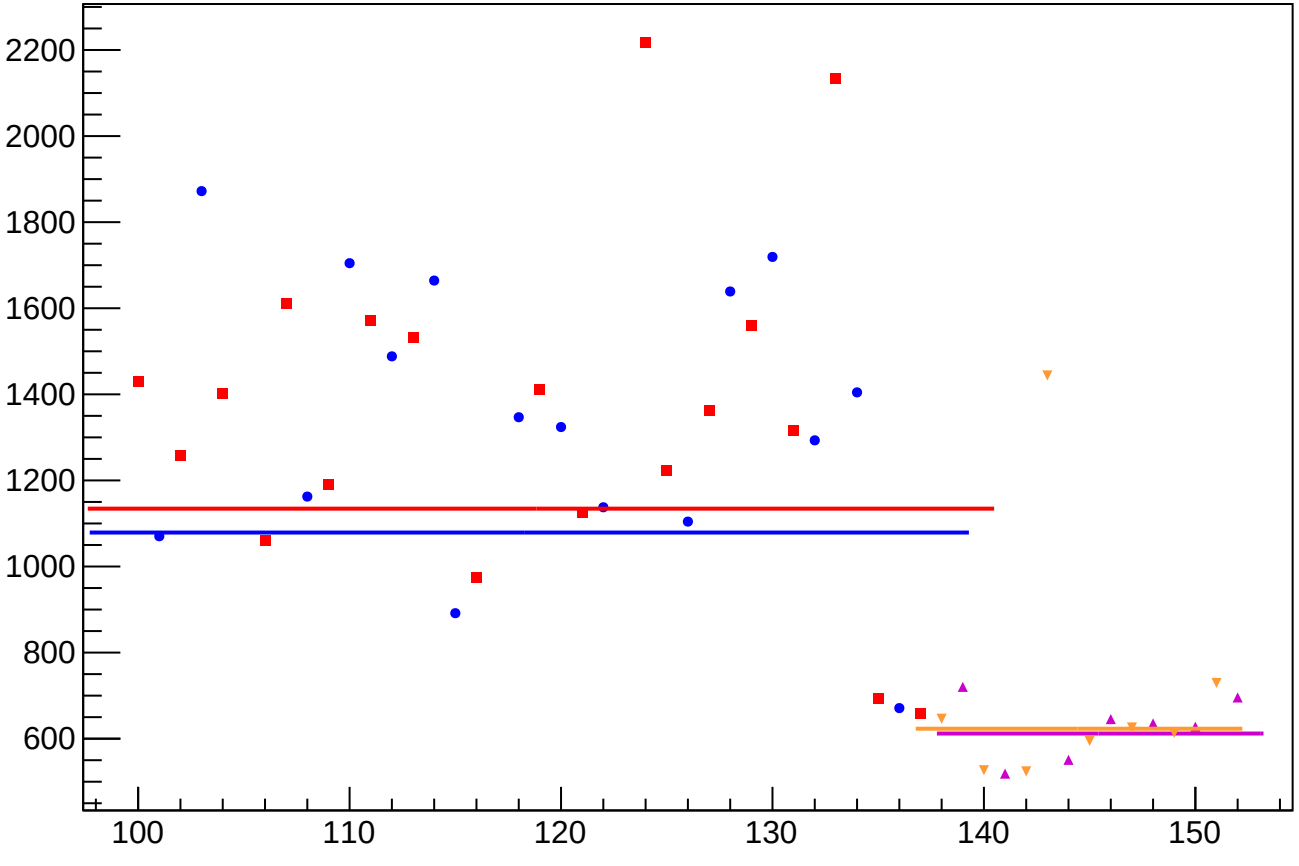
In: 1269.651+/-0.248 χ^2/NDF:532045.9/22

Out: 1295.526+/-0.252 χ^2/NDF:477765.6/26

All: 1282.404+/-0.177 χ^2/NDF: 1015172.6/49


asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 465.199+/-258.256 χ²/NDF:24.9/7
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -161.691+/-249.138 χ²/NDF:5.2/6
Left: 140.492+/-179.304 χ²/NDF: 33.2/14
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 123.028+/-215.016 χ²/NDF:30.2/22
Out: 203.709+/-222.823 χ²/NDF:47.3/26
All: 161.930+/-154.726 χ²/NDF: 77.6/49

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: 611.952+/-0.176 χ^2/NDF:150074.9/6

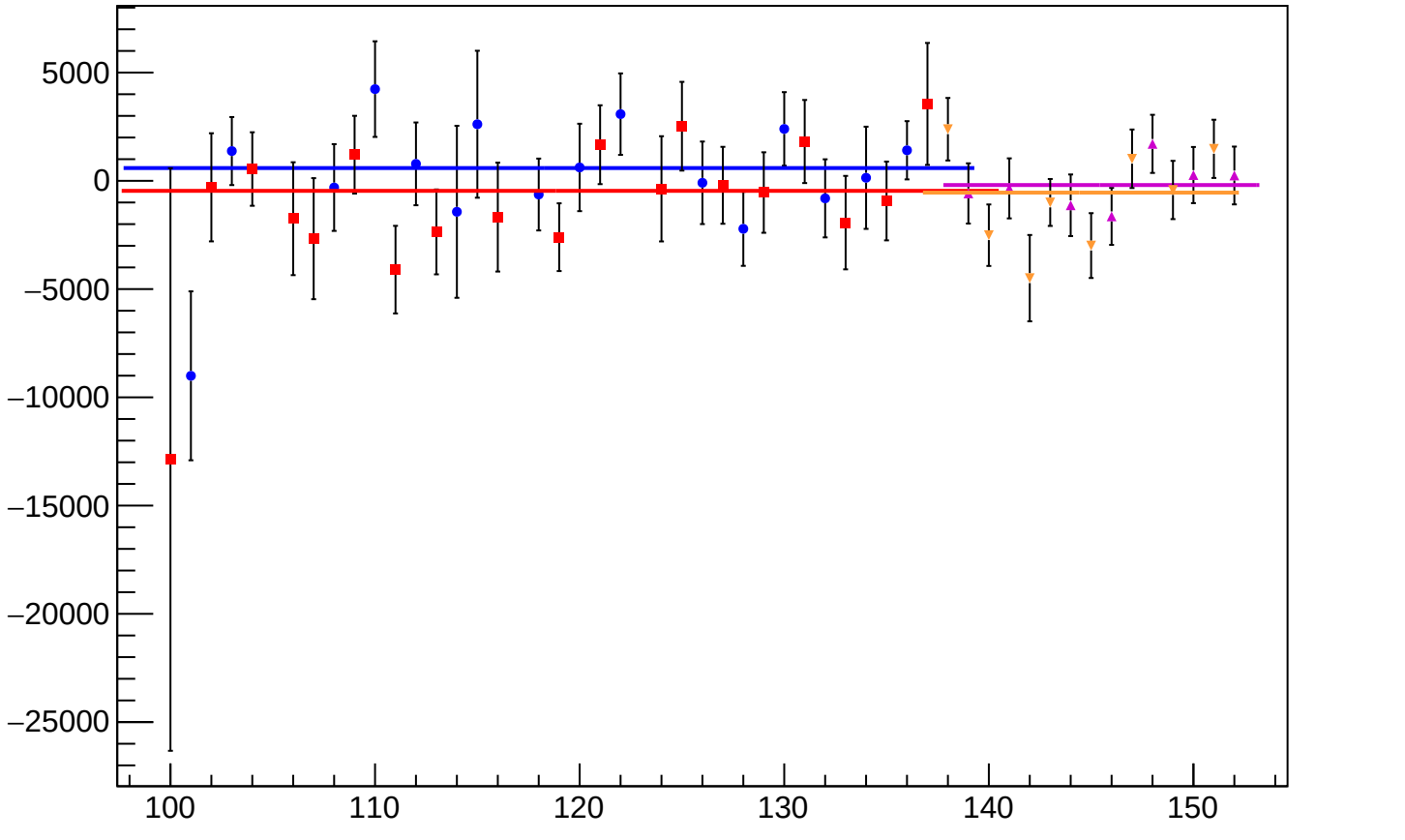
Left: 617.359+/-0.127 χ^2/NDF: 804819.0/14

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 731.107+/-0.152 χ^2/NDF:3421716.4/22

Out: 753.834+/-0.158 χ^2/NDF:3944929.8/26

All: 742.066+/-0.109 χ^2/NDF: 7377419.9/49



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: -194.734+/-511.646 χ^2/NDF:4.0/6

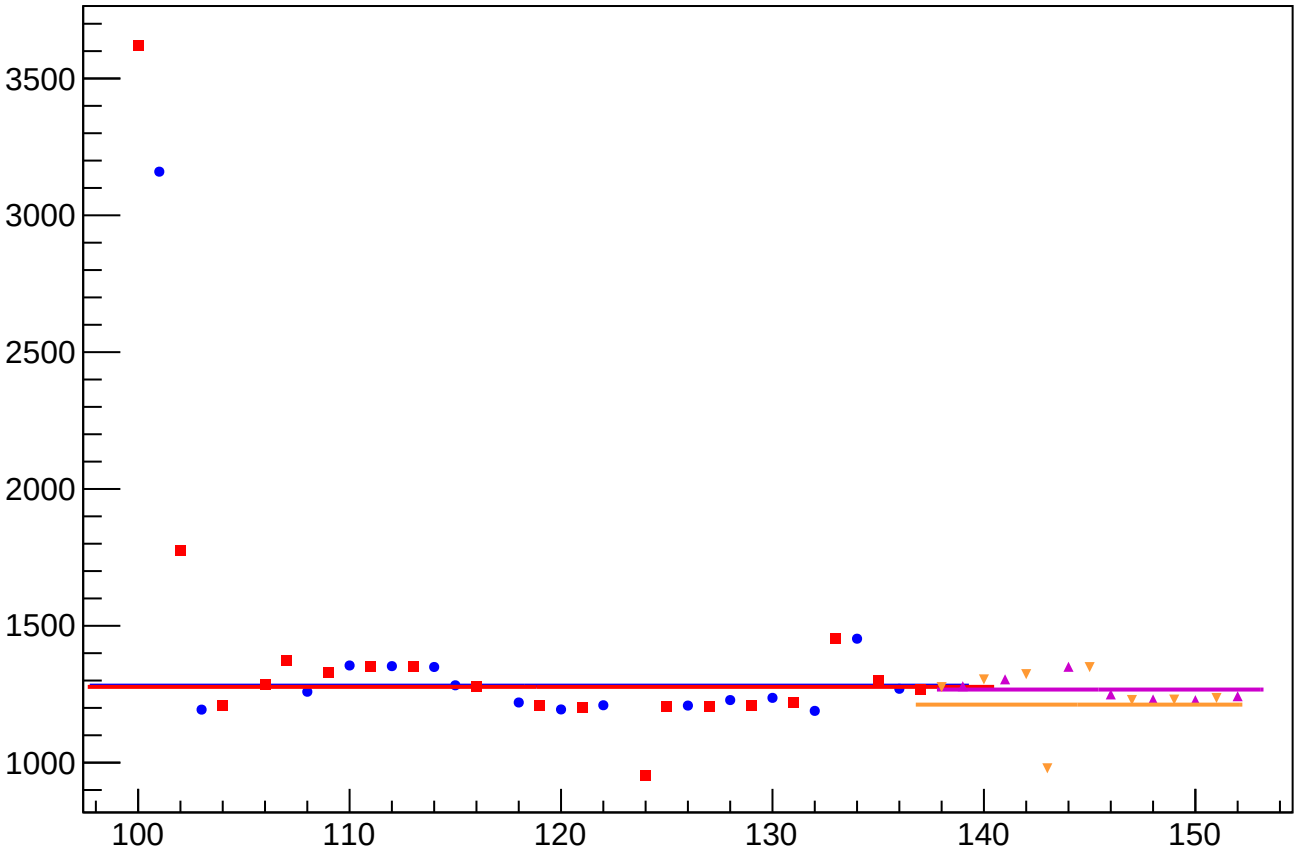
Left: -377.507+/-353.615 χ^2/NDF: 20.6/14

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 218.379+/-352.174 χ^2/NDF:22.3/22

Out: -502.568+/-341.473 χ^2/NDF:33.1/26

All: -153.214+/-245.154 χ^2/NDF: 57.6/49



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: 1267.073+/-0.362 χ^2/NDF:12704.6/6

Left: 1238.310+/-0.250 χ^2/NDF: 153645.8/14

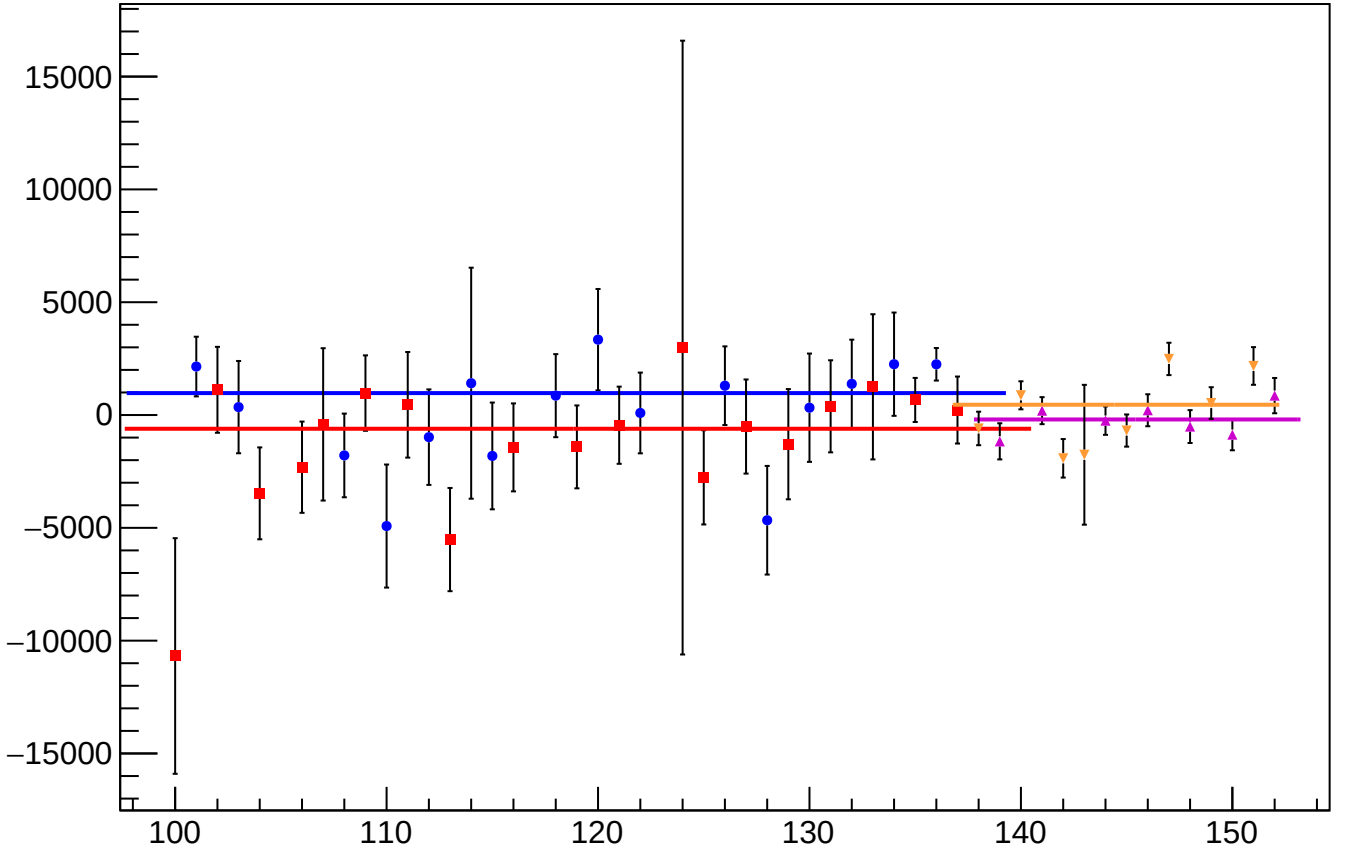
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1274.596+/-0.249 χ^2/NDF:520604.7/22

Out: 1245.272+/-0.241 χ^2/NDF:367377.4/26

All: 1259.481+/-0.173 χ^2/NDF: 895129.2/49

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 456.384+/-274.631 χ^2/NDF:25.5/7

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -196.797+/-263.029 χ^2/NDF:5.2/6

Left: 115.706+/-189.959 χ^2/NDF: 33.7/14

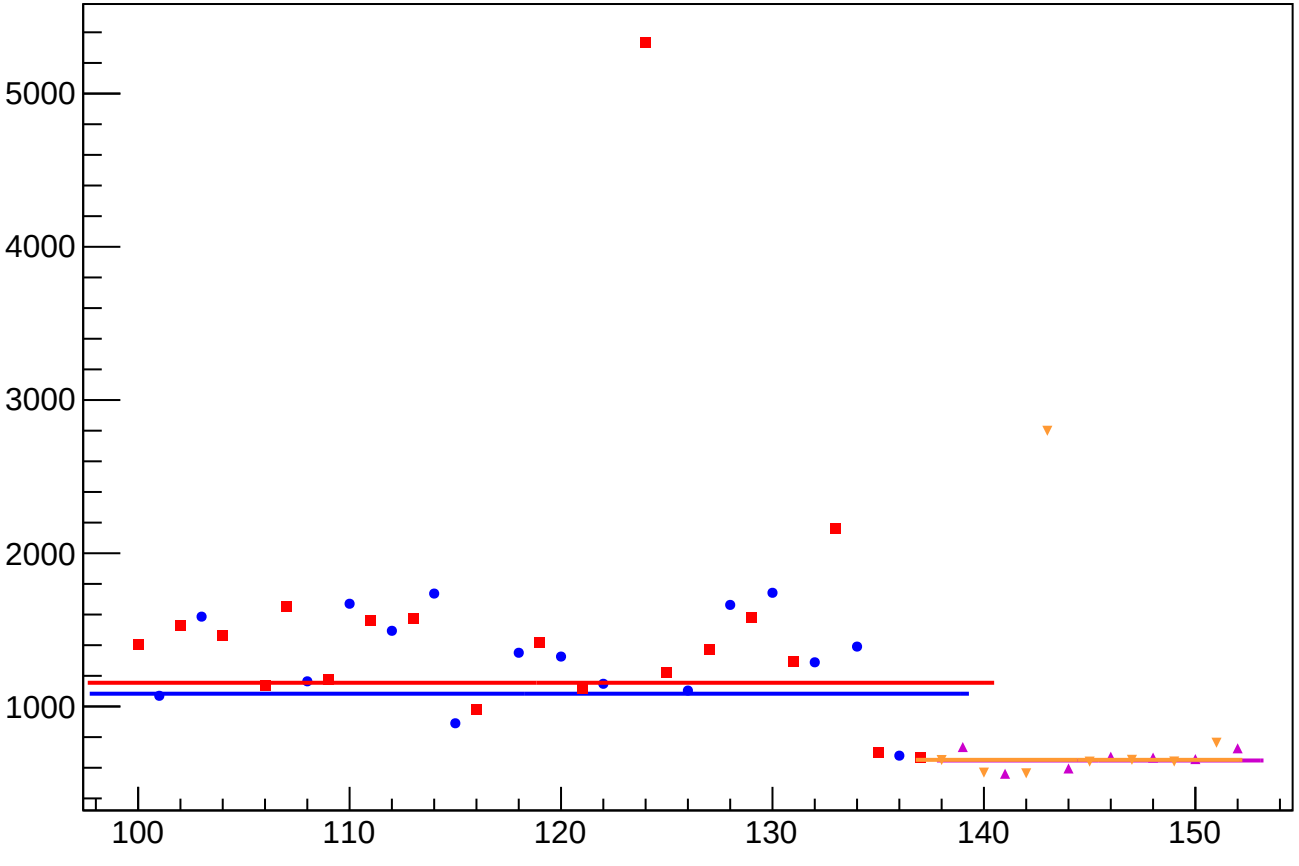
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 126.739+/-223.692 χ^2/NDF:31.1/22

Out: 165.285+/-234.101 χ^2/NDF:46.8/26

All: 145.136+/-161.729 χ^2/NDF: 77.9/49

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 651.678+/-0.194 χ^2/NDF:1054627.9/7

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 647.485+/-0.186 χ^2/NDF:104248.1/6

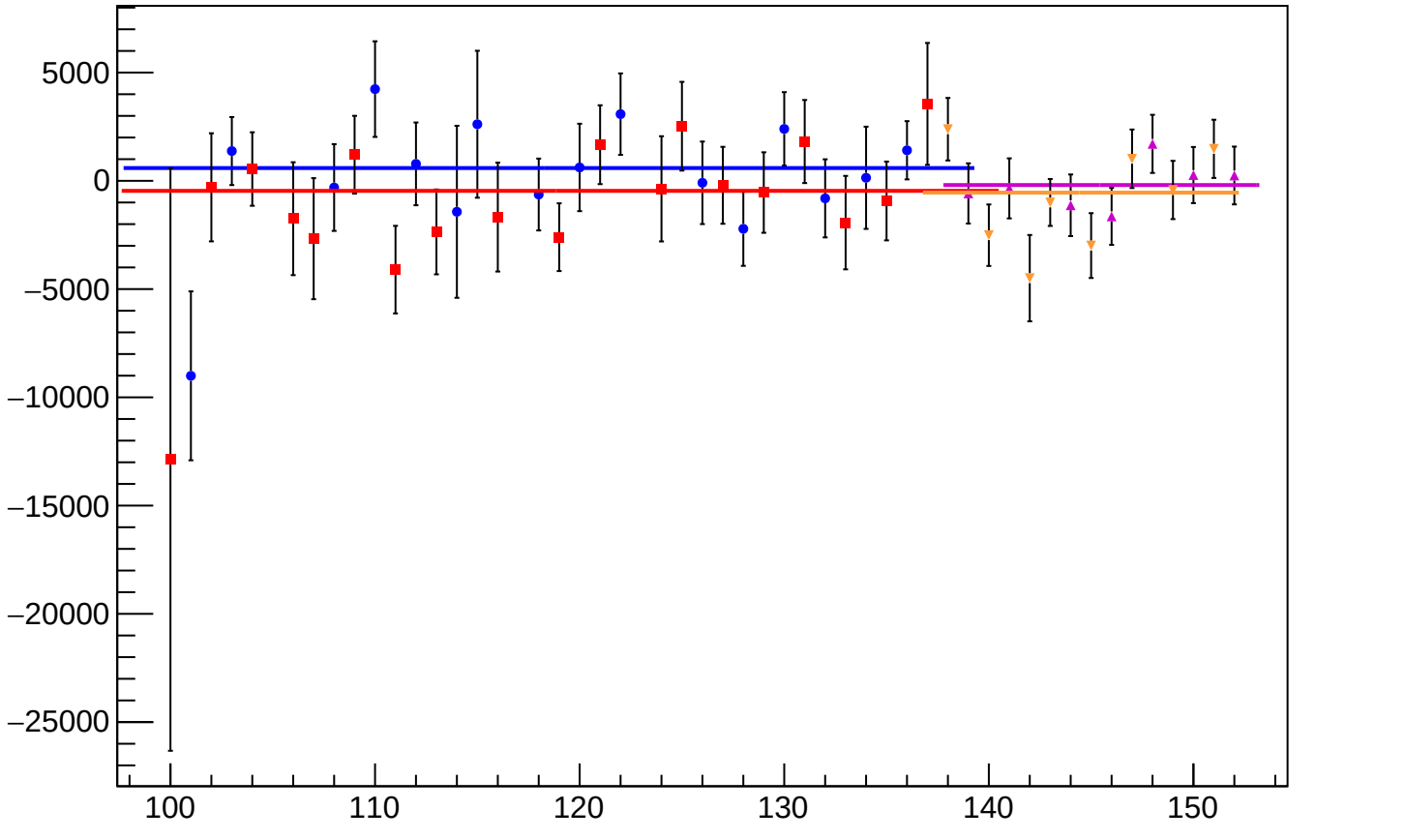
Left: 649.491+/-0.134 χ^2/NDF: 1159119.1/14

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 768.103+/-0.158 χ^2/NDF:2984151.8/22

Out: 789.201+/-0.166 χ^2/NDF:4377415.0/26

All: 778.172+/-0.114 χ^2/NDF: 7370057.9/49



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -544.650+/-489.278 χ^2/NDF:16.4/7

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -194.737+/-511.646 χ^2/NDF:4.0/6

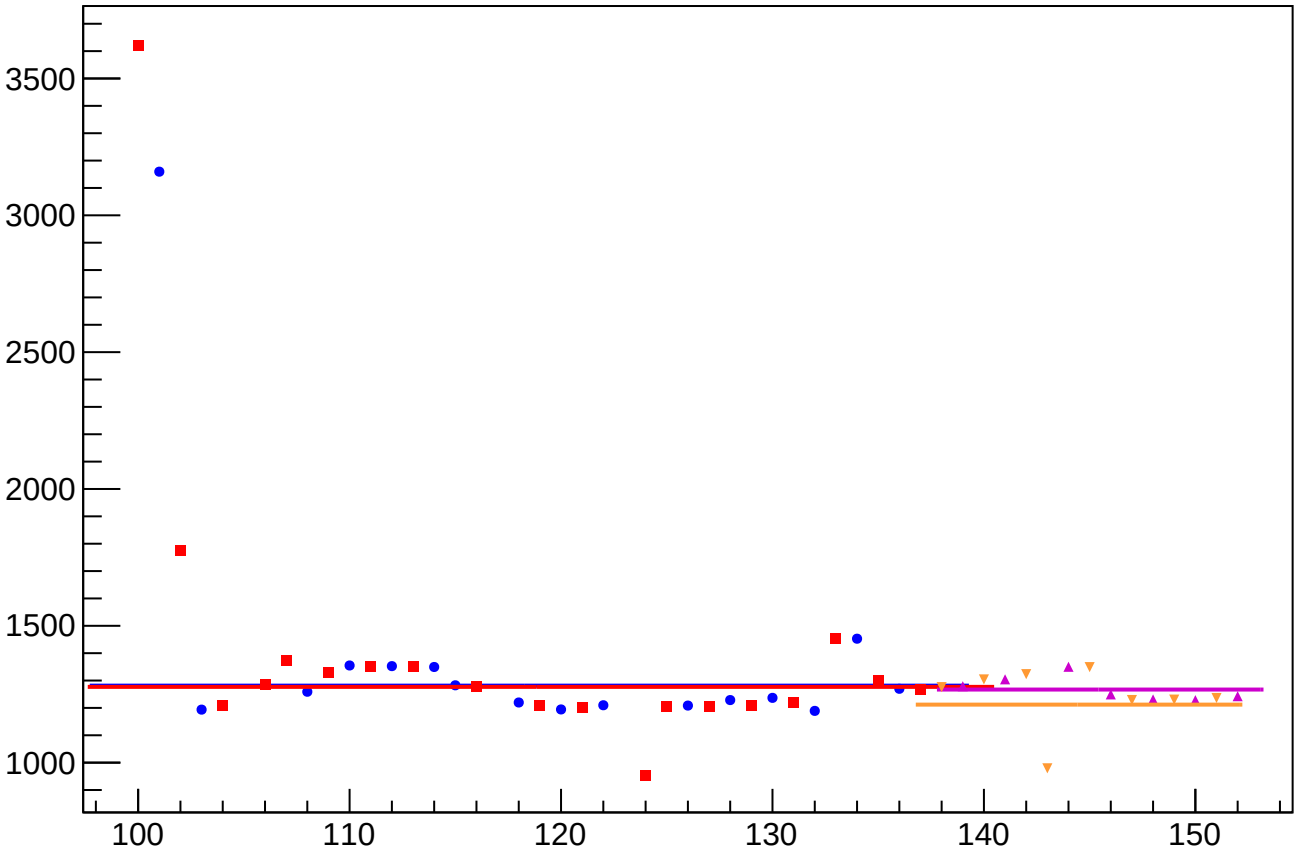
Left: -377.509+/-353.615 χ^2/NDF: 20.6/14

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 218.378+/-352.174 χ^2/NDF:22.3/22

Out: -502.567+/-341.473 χ^2/NDF:33.1/26

All: -153.215+/-245.154 χ^2/NDF: 57.6/49



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: 1267.073+/-0.362 χ^2/NDF:12704.7/6

Left: 1238.310+/-0.250 χ^2/NDF: 153645.1/14

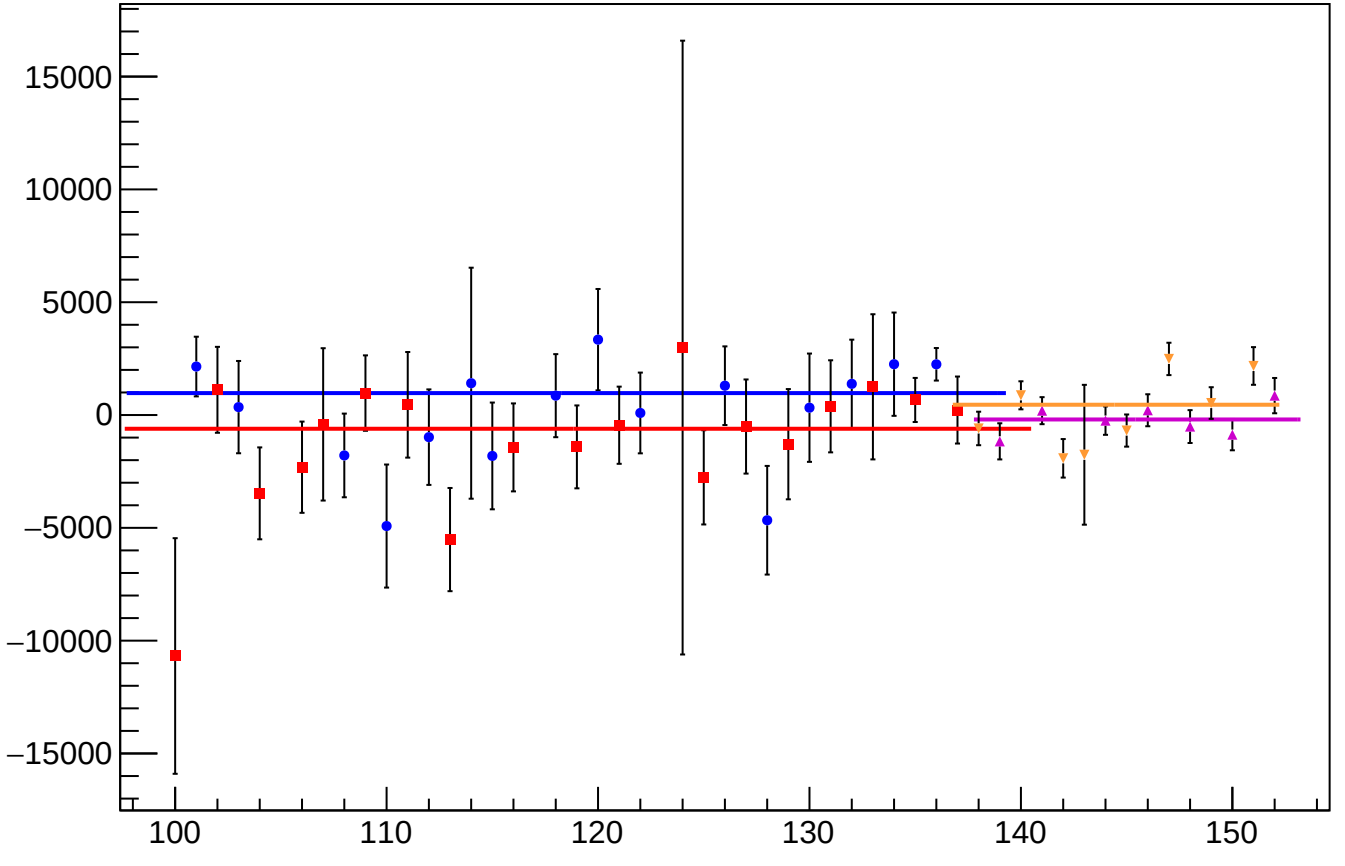
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1274.596+/-0.249 χ^2/NDF:520604.9/22

Out: 1245.272+/-0.241 χ^2/NDF:367376.4/26

All: 1259.481+/-0.173 χ^2/NDF: 895128.3/49

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 456.388+/-274.632 χ^2/NDF:25.5/7

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -196.797+/-263.029 χ^2/NDF:5.2/6

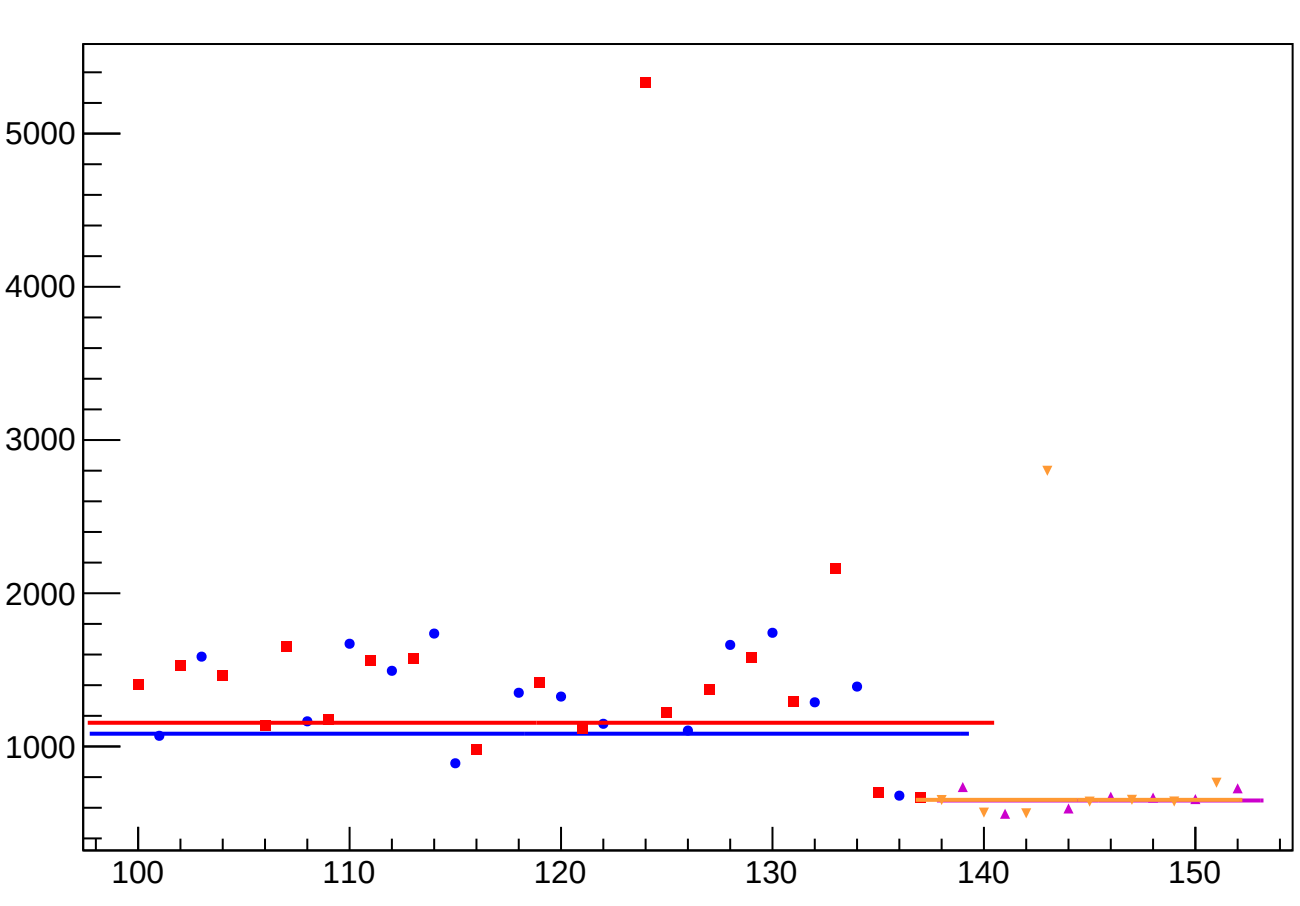
Left: 115.706+/-189.959 χ^2/NDF: 33.7/14

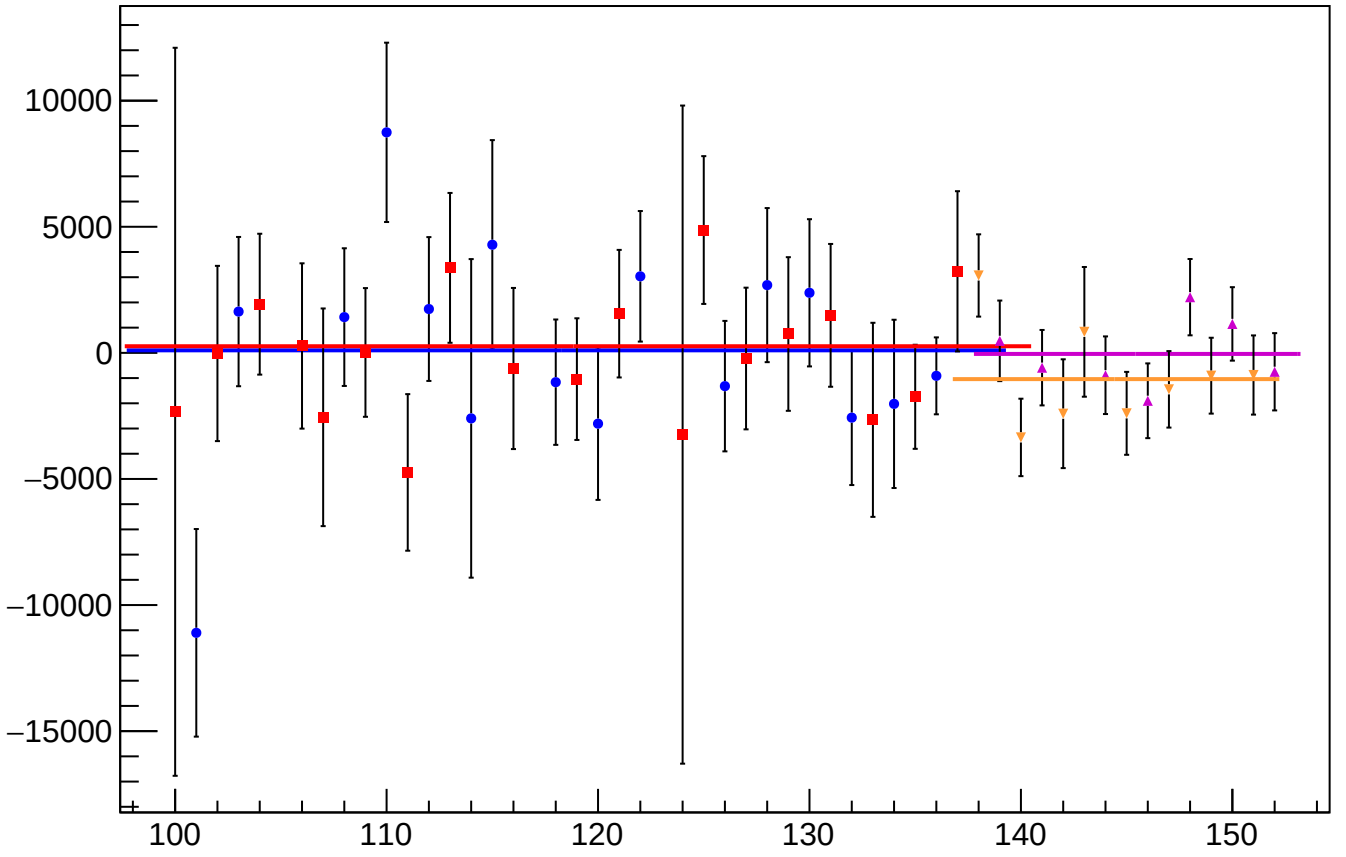
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 126.735+/-223.692 χ^2/NDF:31.1/22

Out: 165.286+/-234.102 χ^2/NDF:46.8/26

All: 145.134+/-161.729 χ^2/NDF: 77.9/49


asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 1083.341+/-0.301 χ²/NDF: 1360095.7/15
Left Out: 651.680+/-0.194 χ²/NDF:1054624.2/7
Right Out: 1154.732+/-0.317 χ²/NDF: 1488251.4/18
Left In: 647.484+/-0.186 χ²/NDF:104250.8/6
Left: 649.491+/-0.134 χ²/NDF: 1159118.4/14
Right: 1117.196+/-0.218 χ²/NDF: 2875081.4/34
In: 768.104+/-0.158 χ²/NDF:2984136.4/22
Out: 789.204+/-0.166 χ²/NDF:4377383.6/26
All: 778.174+/-0.114 χ²/NDF: 7370012.9/49



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: -42.131+/-572.584 χ^2/NDF:5.2/6

Left: -521.851+/-412.803 χ^2/NDF: 17.0/14

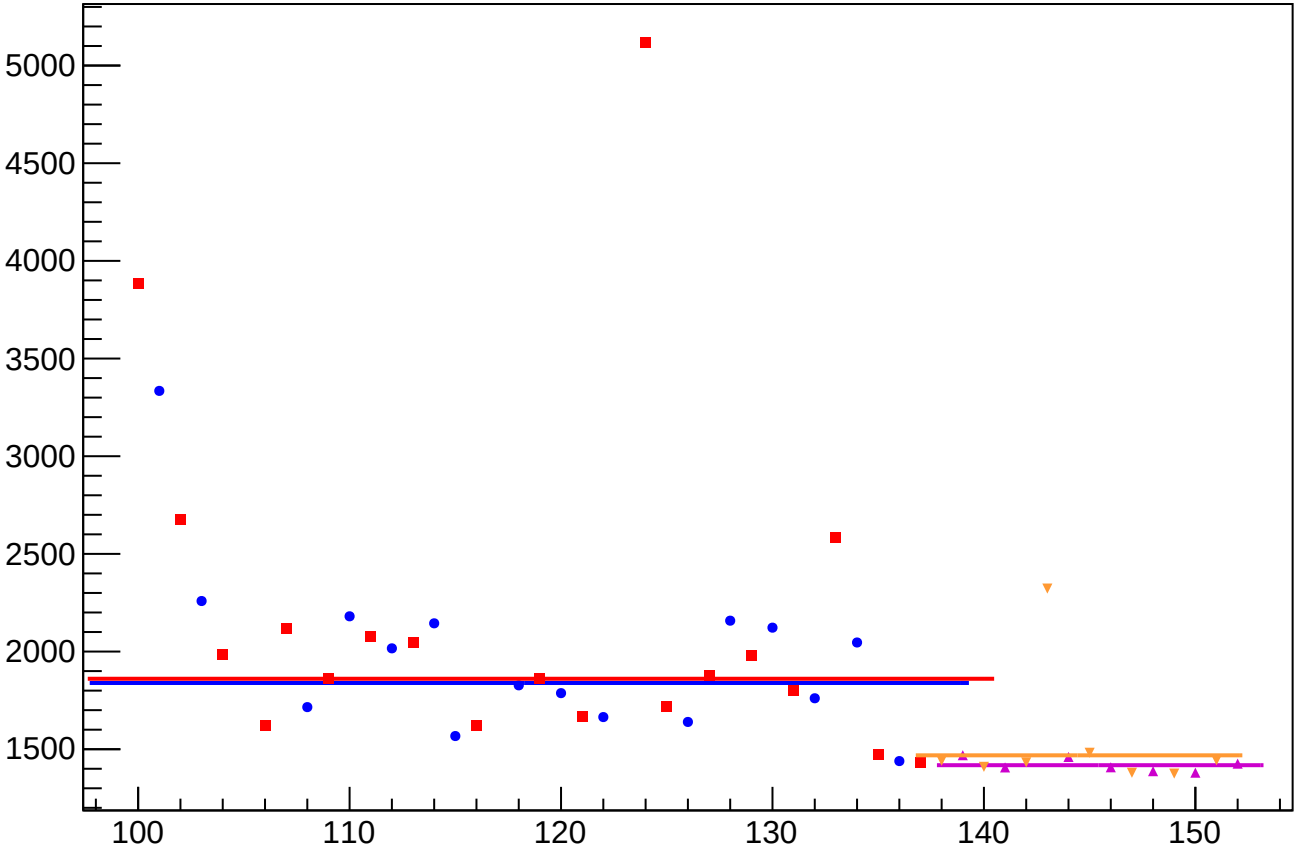
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 15.126+/-442.942 χ^2/NDF:26.5/22

Out: -493.207+/-453.581 χ^2/NDF:22.7/26

All: -233.009+/-316.902 χ^2/NDF: 49.8/49

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: 1418.257+/-0.405 χ^2/NDF:6024.7/6

Left: 1442.522+/-0.292 χ^2/NDF: 253221.3/14

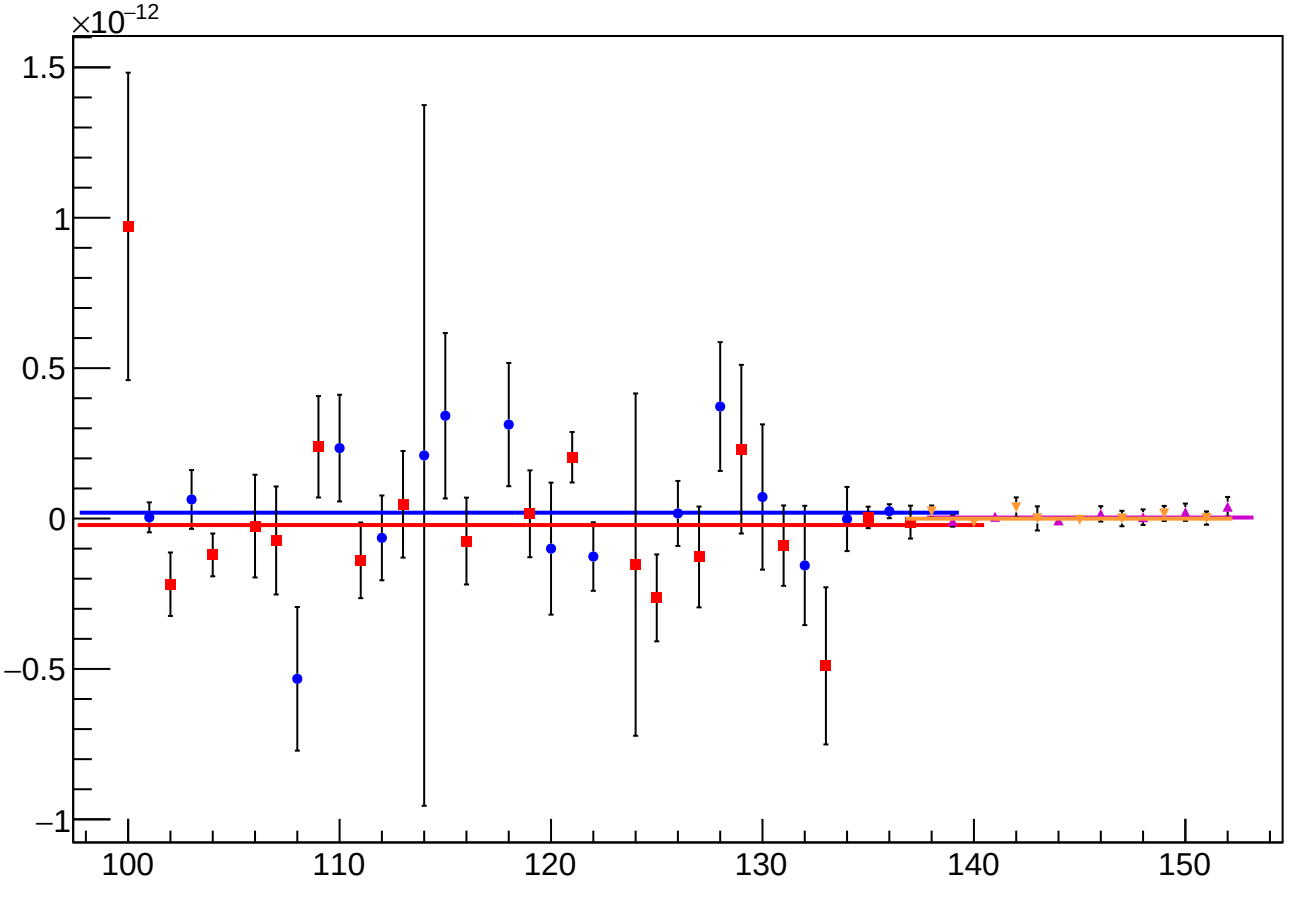
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1587.260+/-0.313 χ^2/NDF:996639.7/22

Out: 1633.492+/-0.321 χ^2/NDF:1125716.3/26

All: 1609.828+/-0.224 χ^2/NDF: 2132991.7/49

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:2.8/6

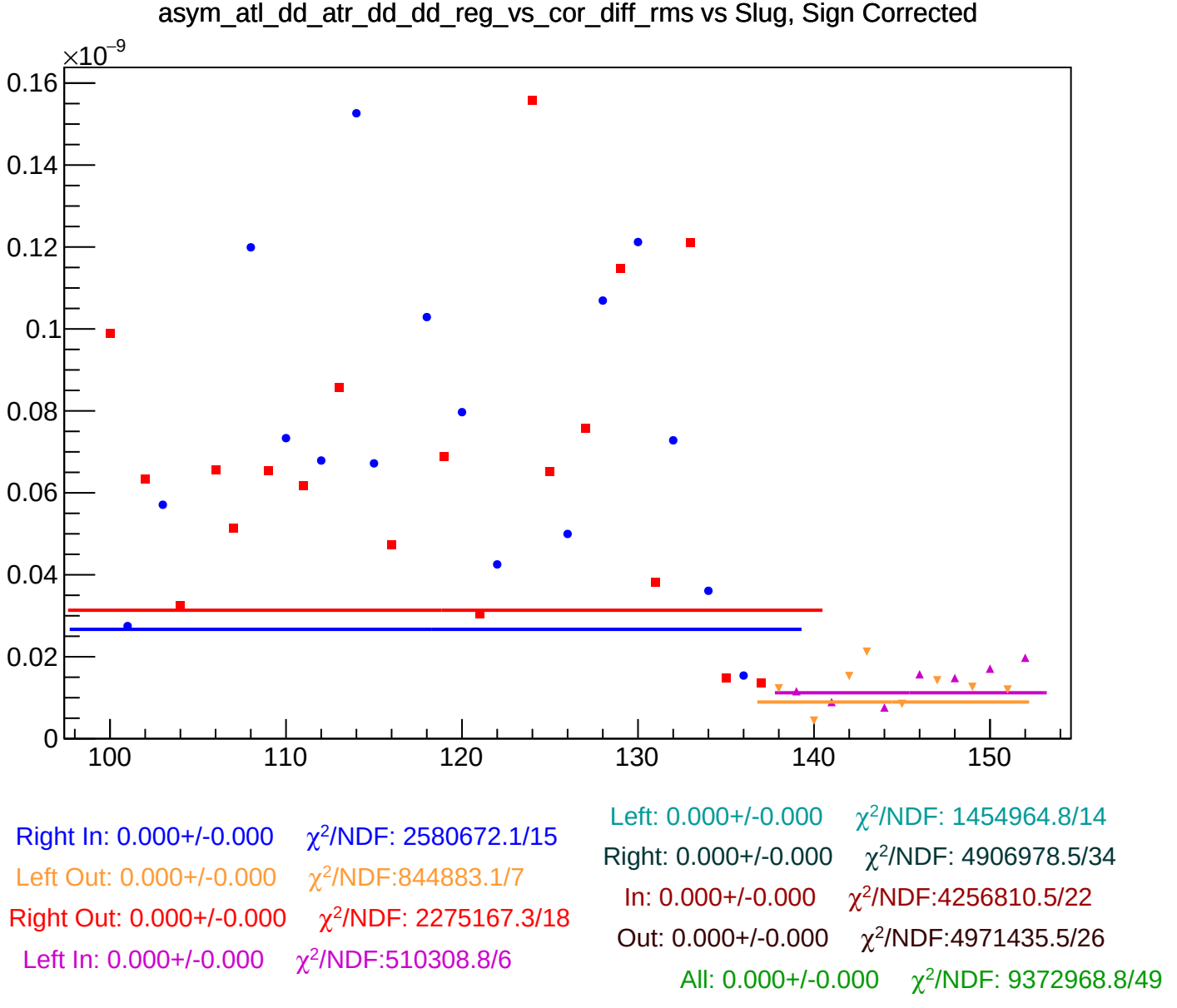
Left: 0.000+/-0.000 χ^2/NDF: 7.4/14

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

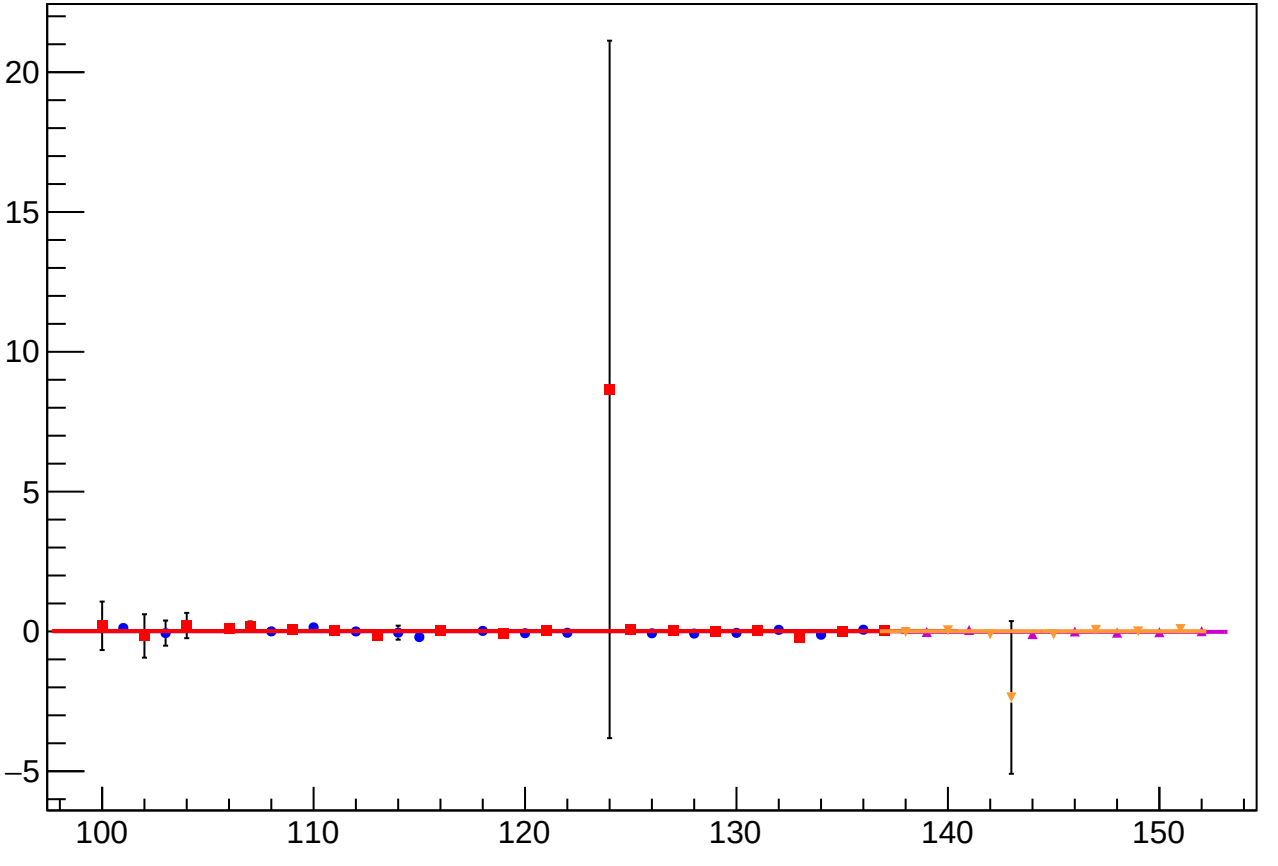
In: 0.000+/-0.000 χ^2/NDF:19.9/22

Out: -0.000+/-0.000 χ^2/NDF:33.5/26

All: 0.000+/-0.000 χ^2/NDF: 54.1/49


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:844883.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:510308.8/6
Left: 0.000+/-0.000 χ²/NDF: 1454964.8/14
Right: 0.000+/-0.000 χ²/NDF: 4906978.5/34
In: 0.000+/-0.000 χ²/NDF:4256810.5/22
Out: 0.000+/-0.000 χ²/NDF:4971435.5/26
All: 0.000+/-0.000 χ²/NDF: 9372968.8/49

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: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.005+/-0.011 χ^2/NDF: 17.0/14

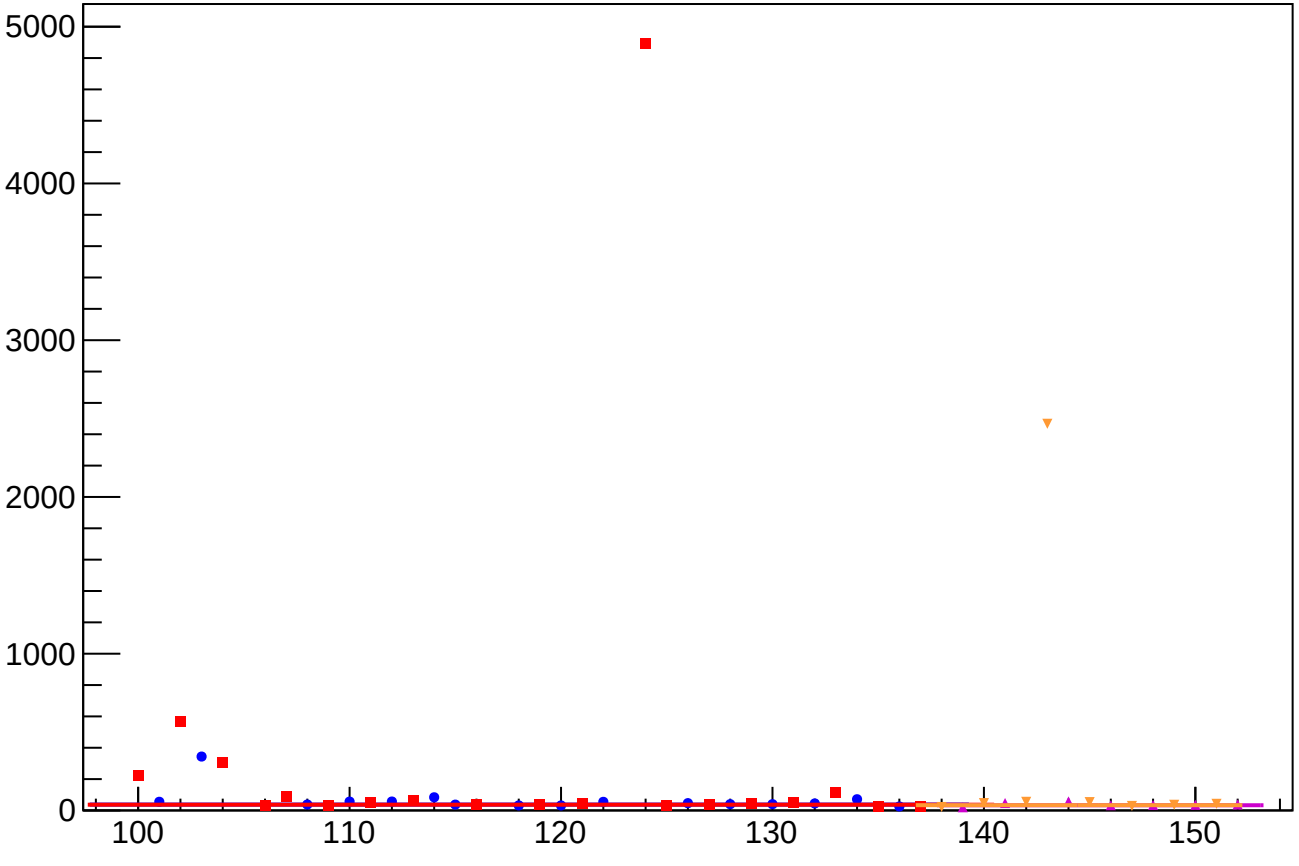
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/49

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: 33.229+/-0.011 χ^2/NDF:938959.2/6

Left: 33.423+/-0.008 χ^2/NDF: 3425729.6/14

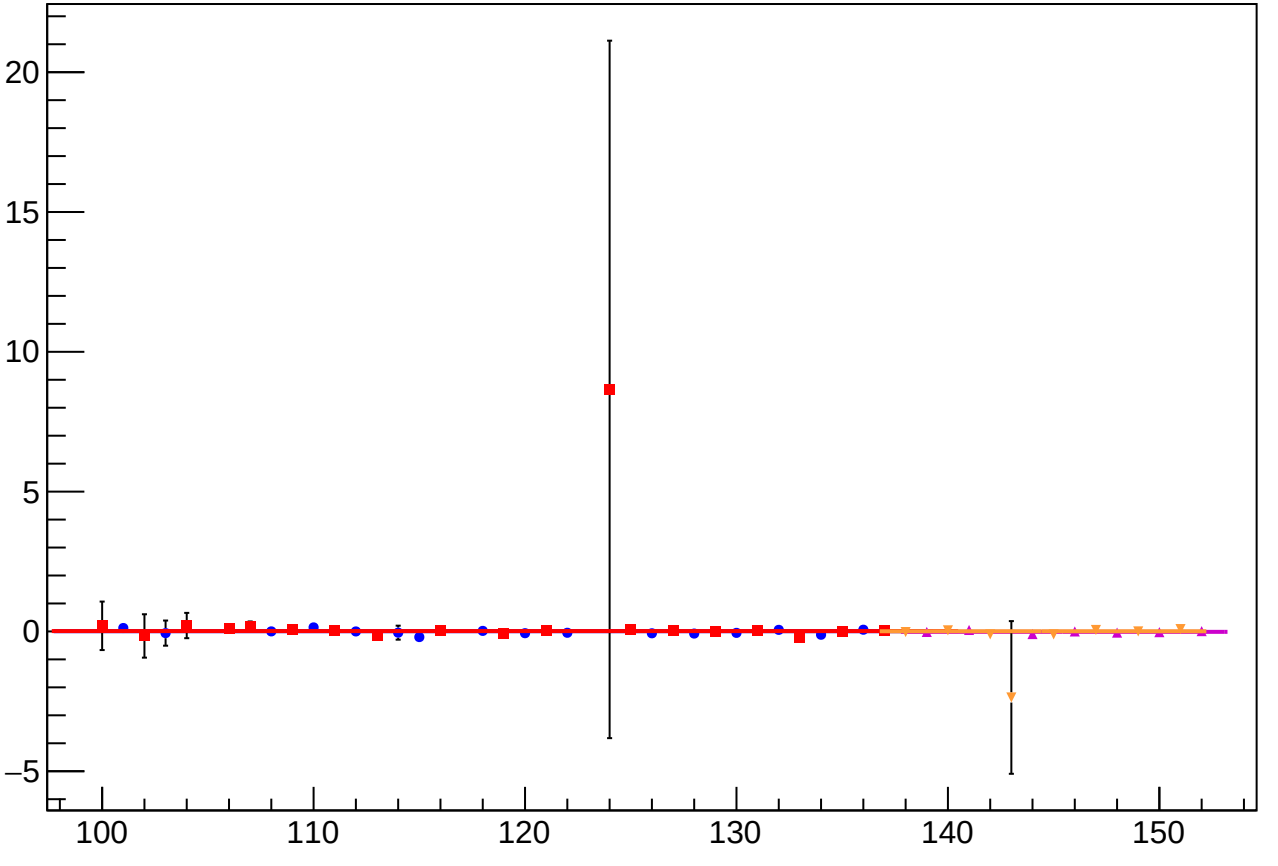
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.216+/-0.008 χ^2/NDF:2997396.5/22

Out: 35.162+/-0.008 χ^2/NDF:5713009.3/26

All: 35.191+/-0.006 χ^2/NDF: 8710428.7/49

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: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.005+/-0.011 χ^2/NDF: 17.0/14

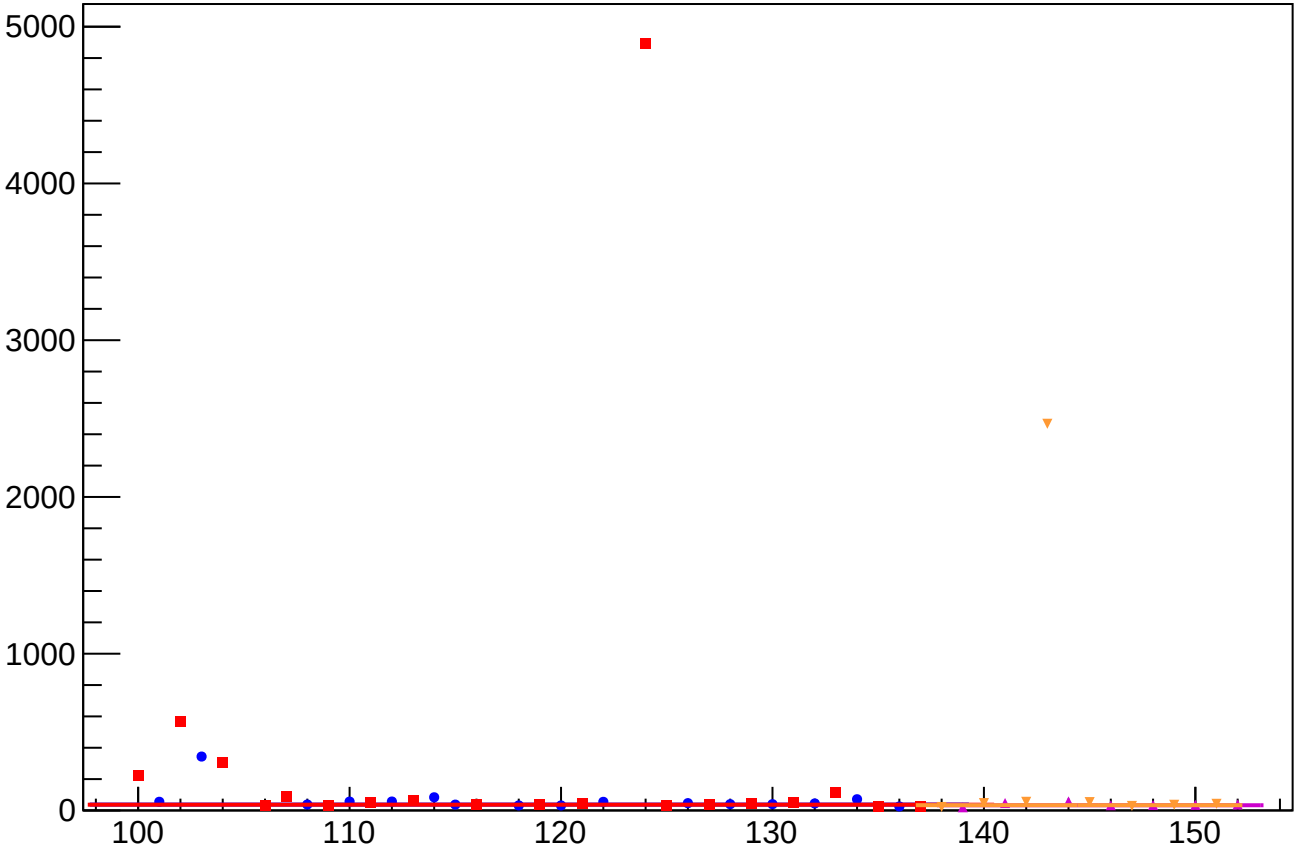
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/49

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: 33.229+/-0.011 χ^2/NDF:938959.2/6

Left: 33.423+/-0.008 χ^2/NDF: 3425729.6/14

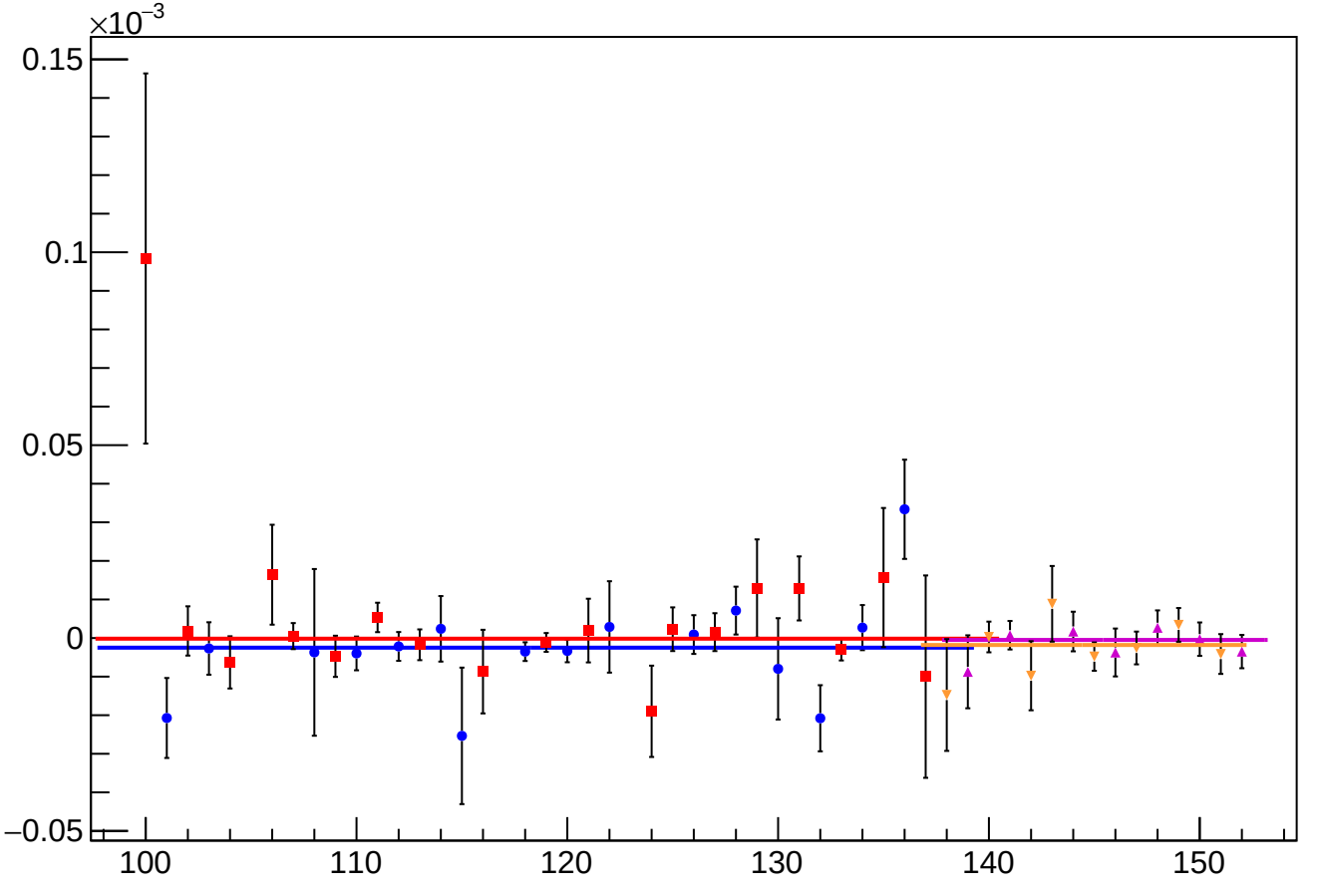
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.216+/-0.008 χ^2/NDF:2997396.5/22

Out: 35.162+/-0.008 χ^2/NDF:5713009.3/26

All: 35.191+/-0.006 χ^2/NDF: 8710428.7/49

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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:2.3/6

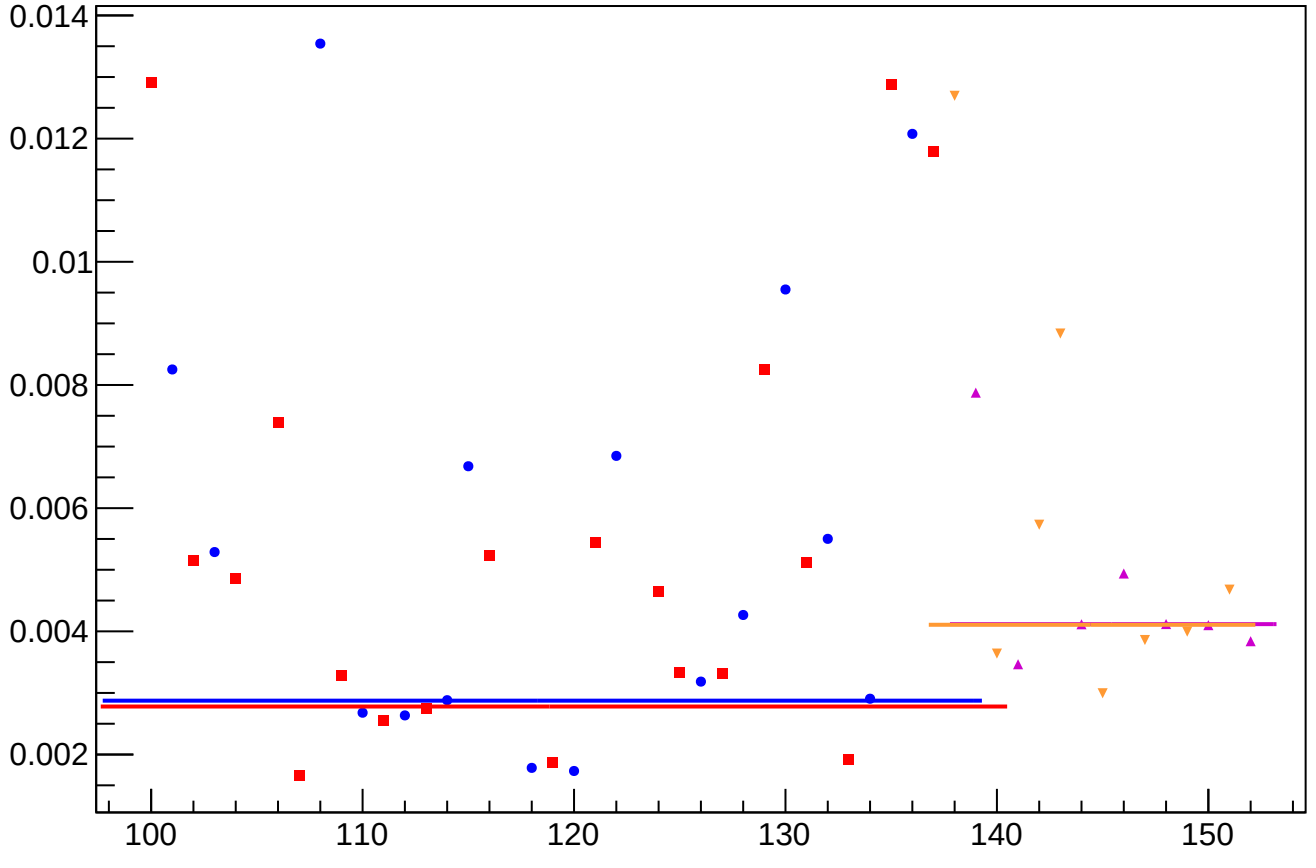
Left: -0.000+/-0.000 χ^2/NDF: 8.0/14

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:25.0/22

Out: -0.000+/-0.000 χ^2/NDF:24.8/26

All: -0.000+/-0.000 χ^2/NDF: 50.4/49



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:421329.1/6

Left: 0.004+/-0.000 χ^2/NDF: 1898387.2/14

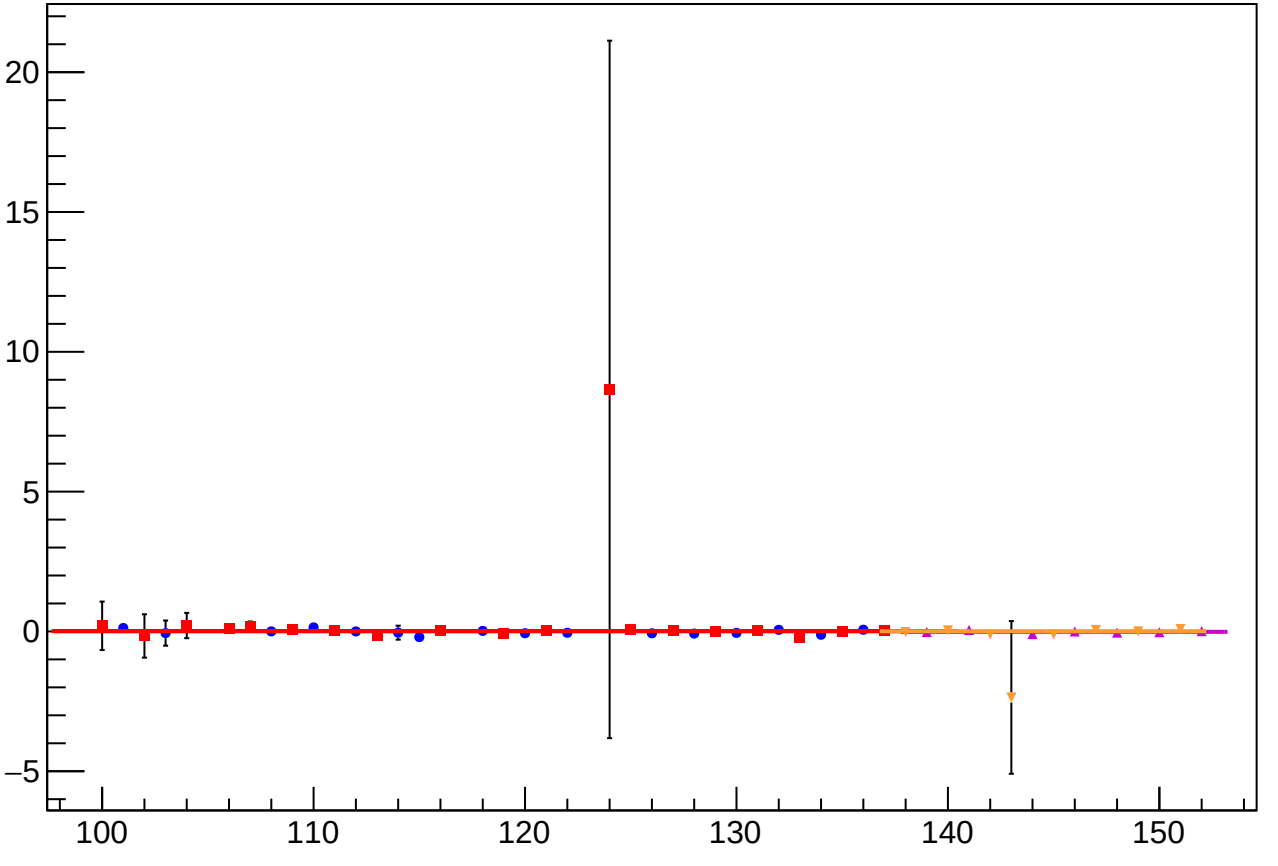
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5192569.9/22

Out: 0.003+/-0.000 χ^2/NDF:5554380.1/26

All: 0.003+/-0.000 χ^2/NDF: 10761214.4/49

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: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.005+/-0.011 χ^2/NDF: 17.0/14

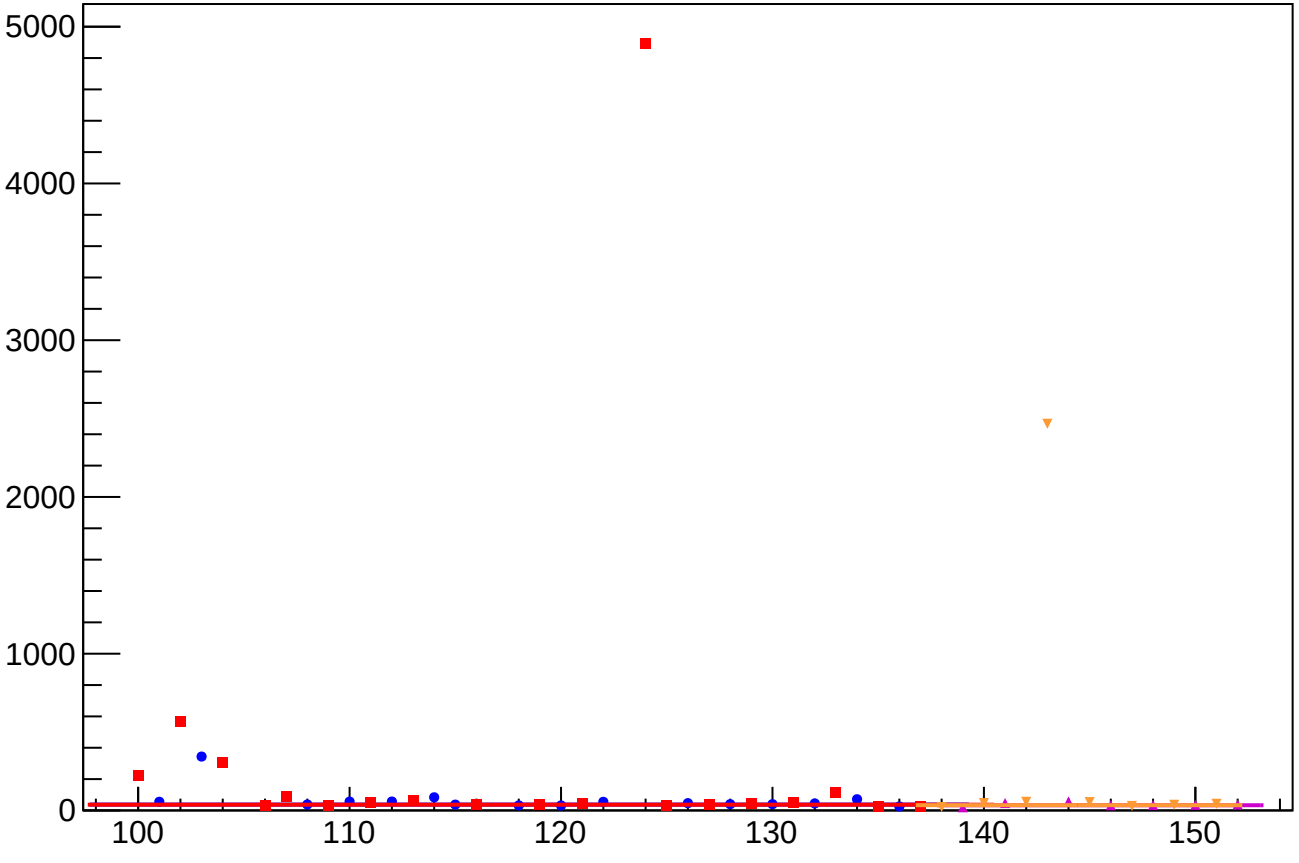
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/49

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: 33.233+/-0.011 χ^2/NDF:938144.4/6

Left: 33.424+/-0.008 χ^2/NDF: 3425264.1/14

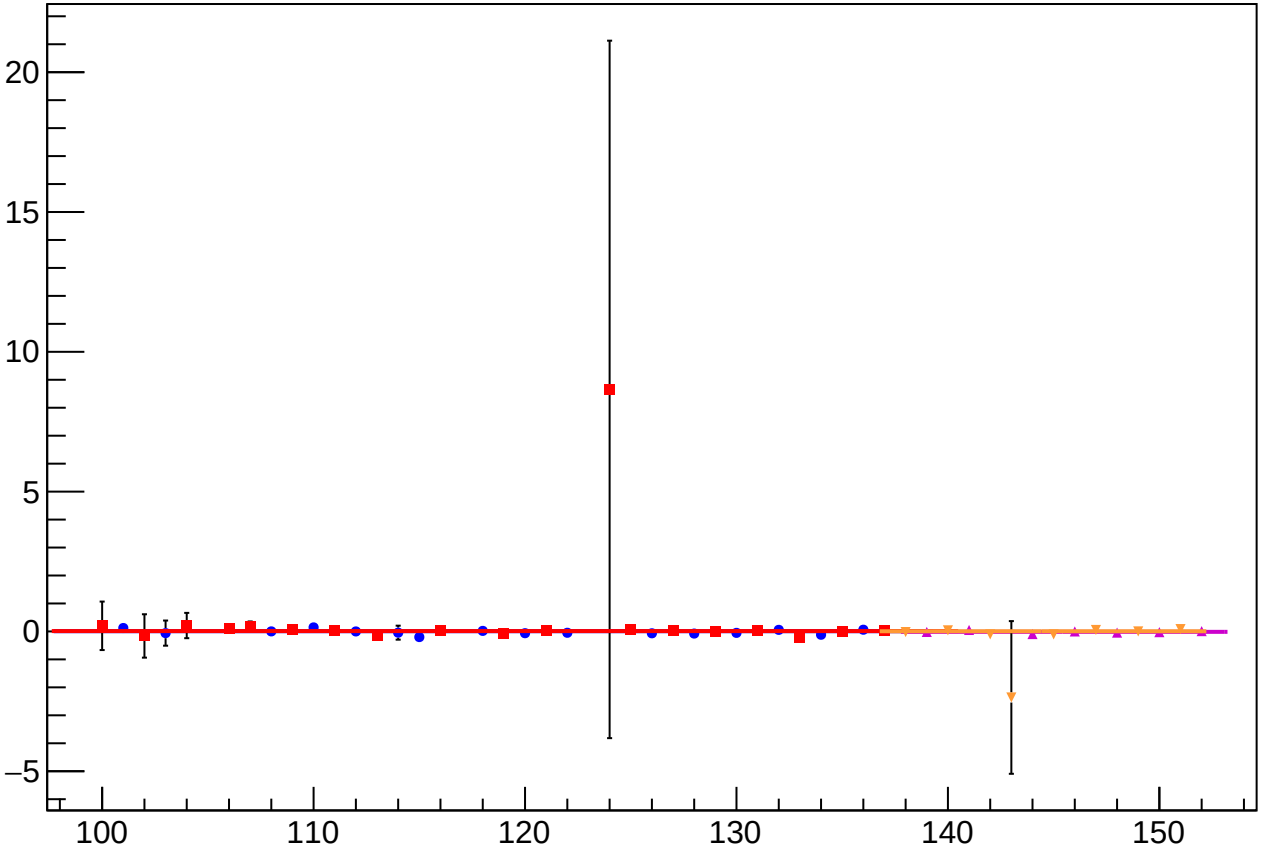
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.219+/-0.008 χ^2/NDF:2996382.3/22

Out: 35.161+/-0.008 χ^2/NDF:5713194.3/26

All: 35.192+/-0.006 χ^2/NDF: 8709602.5/49

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: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.005+/-0.011 χ^2/NDF: 17.0/14

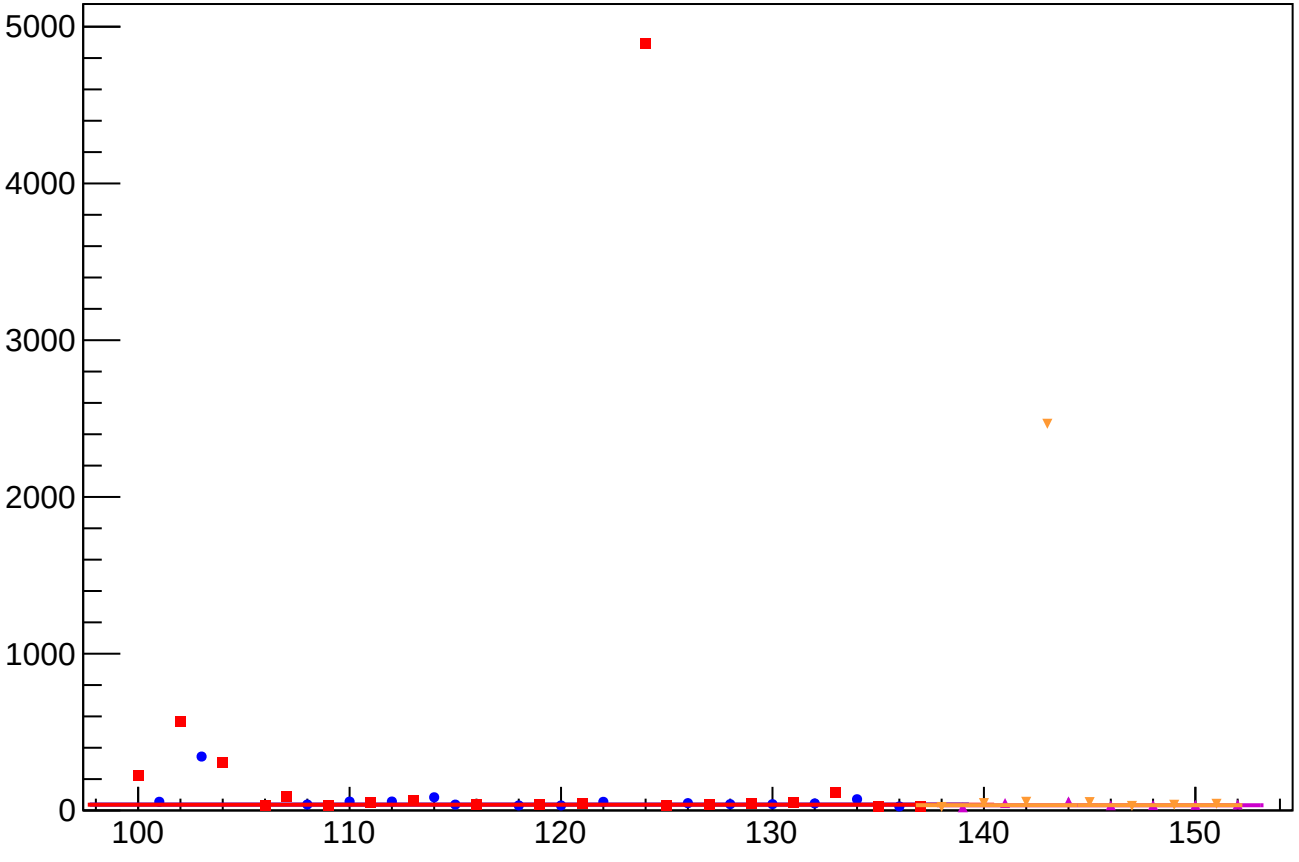
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/49

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: 33.233+/-0.011 χ^2/NDF:938144.4/6

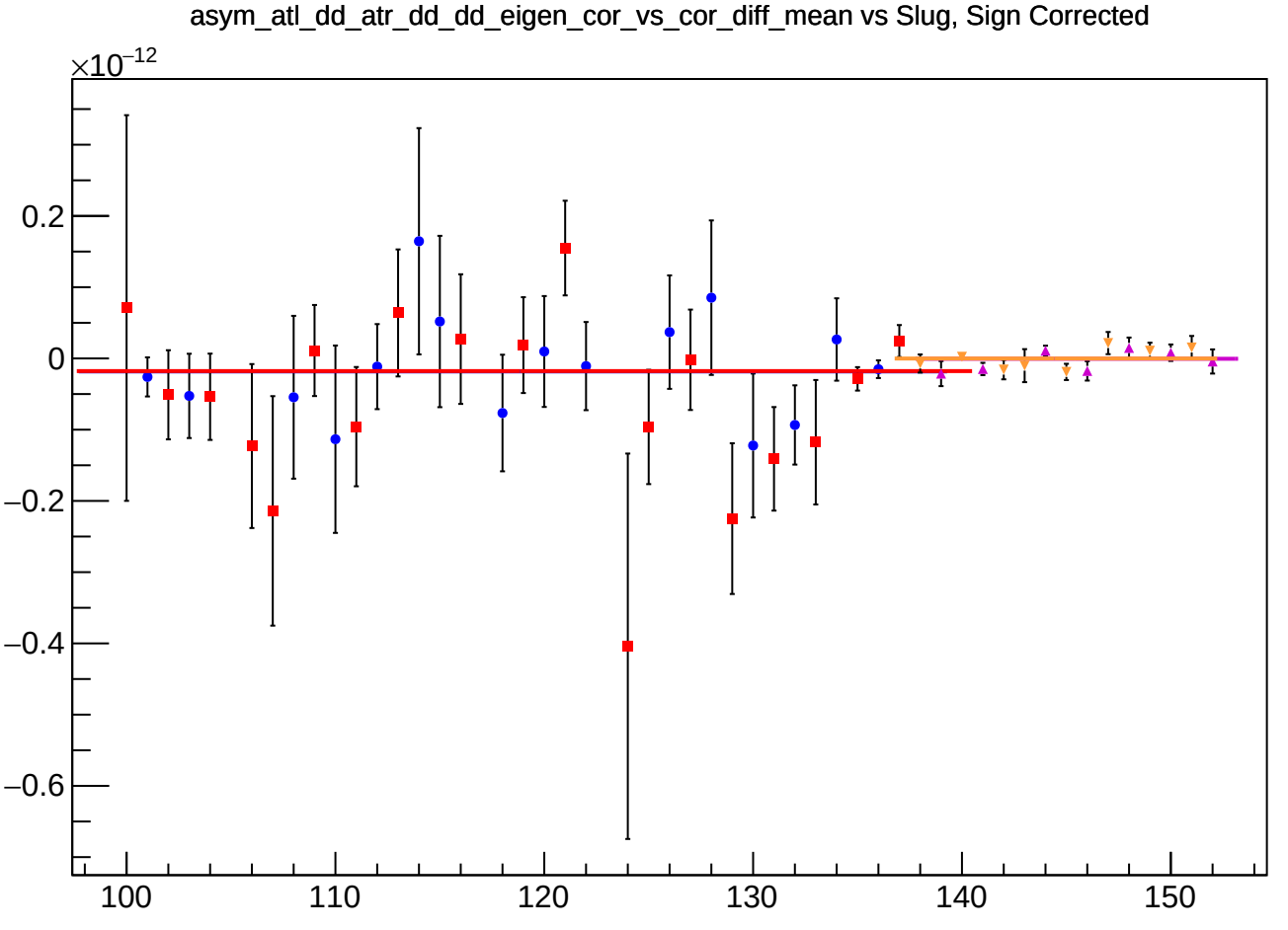
Left: 33.424+/-0.008 χ^2/NDF: 3425264.1/14

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.219+/-0.008 χ^2/NDF:2996382.3/22

Out: 35.161+/-0.008 χ^2/NDF:5713194.3/26

All: 35.192+/-0.006 χ^2/NDF: 8709602.5/49



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:10.0/6

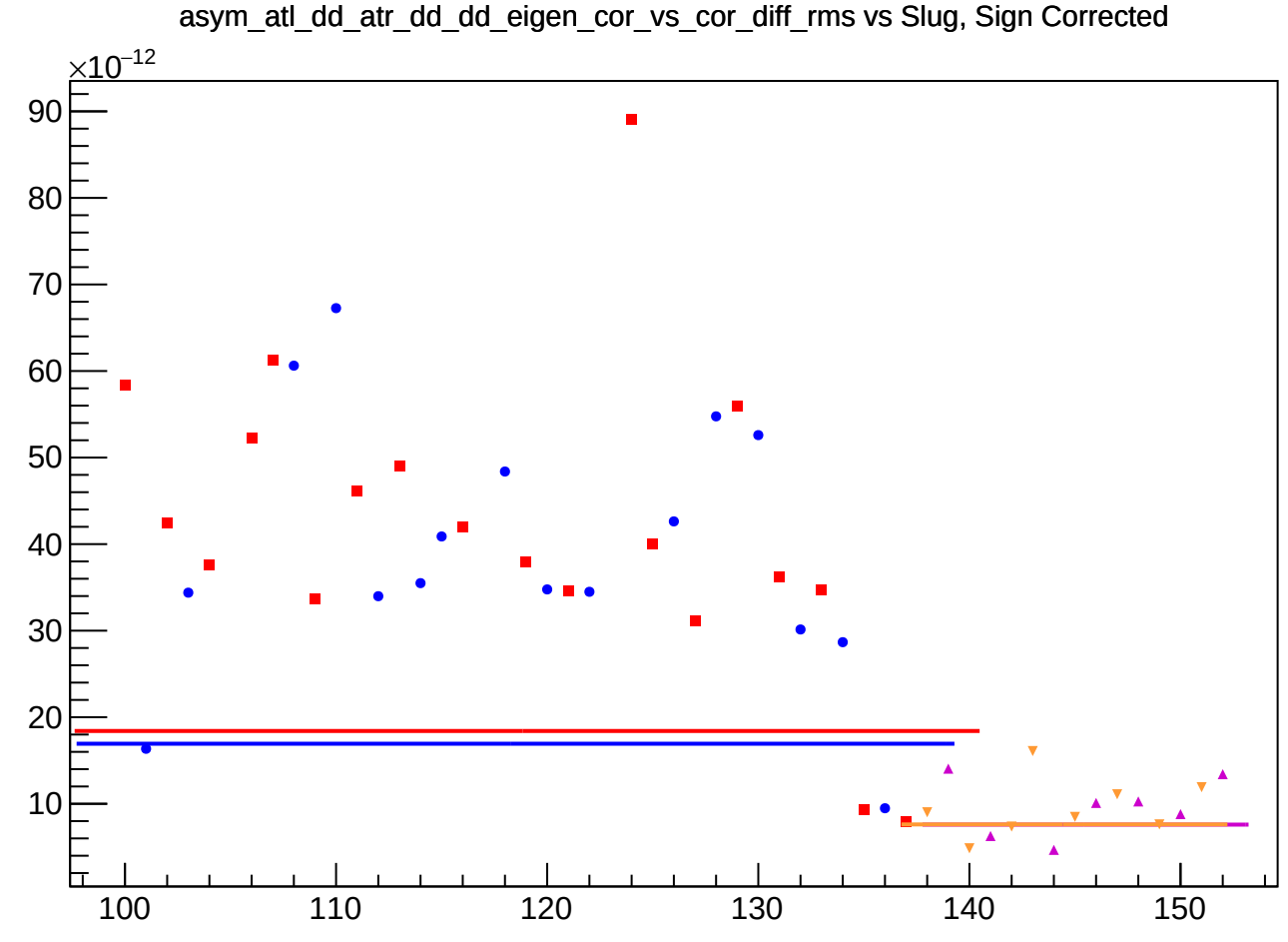
Left: -0.000+/-0.000 χ^2/NDF: 18.5/14

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:21.1/22

Out: -0.000+/-0.000 χ^2/NDF:37.9/26

All: -0.000+/-0.000 χ^2/NDF: 59.0/49



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:1056828.1/6

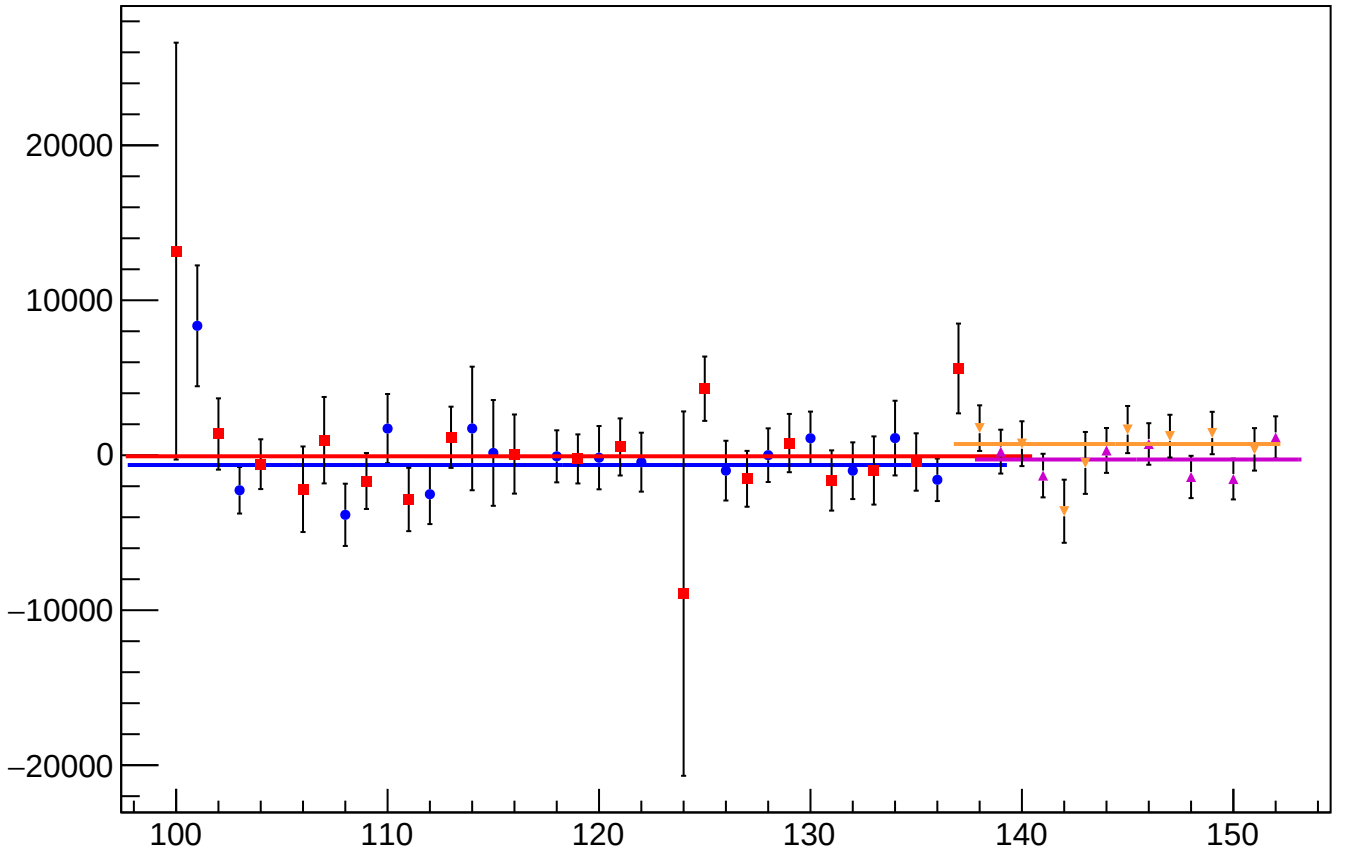
Left: 0.000+/-0.000 χ^2/NDF: 1935056.0/14

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:5776374.4/22

Out: 0.000+/-0.000 χ^2/NDF:6227941.9/26

All: 0.000+/-0.000 χ^2/NDF: 12004502.9/49



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: -274.938+/-520.586 χ^2/NDF:4.1/6

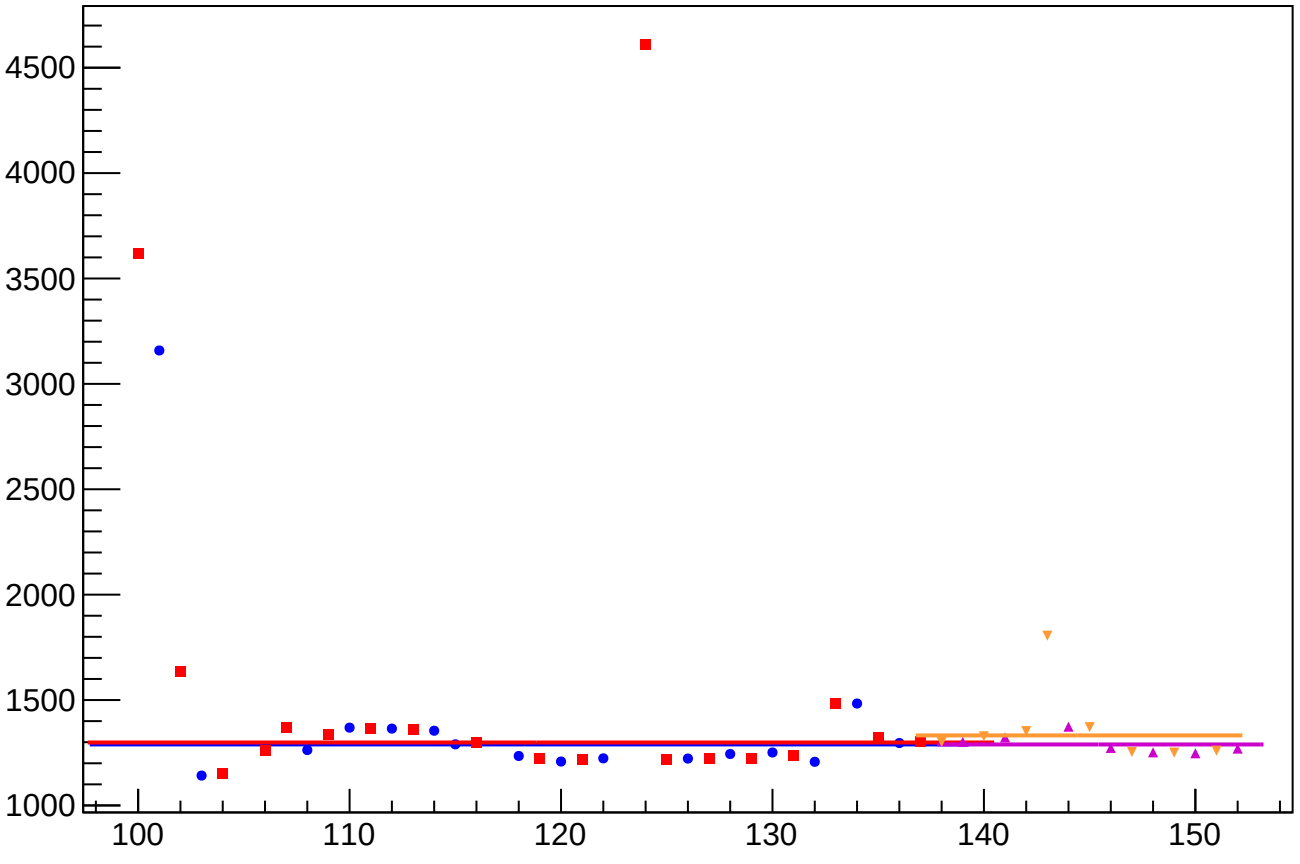
Left: 208.152+/-374.068 χ^2/NDF: 12.1/14

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -464.242+/-356.288 χ^2/NDF:18.2/22

Out: 289.526+/-361.316 χ^2/NDF:23.3/26

All: -92.639+/-253.693 χ^2/NDF: 43.7/49



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: 1289.223+/-0.368 χ^2/NDF:12310.3/6

Left: 1310.004+/-0.265 χ^2/NDF: 152652.2/14

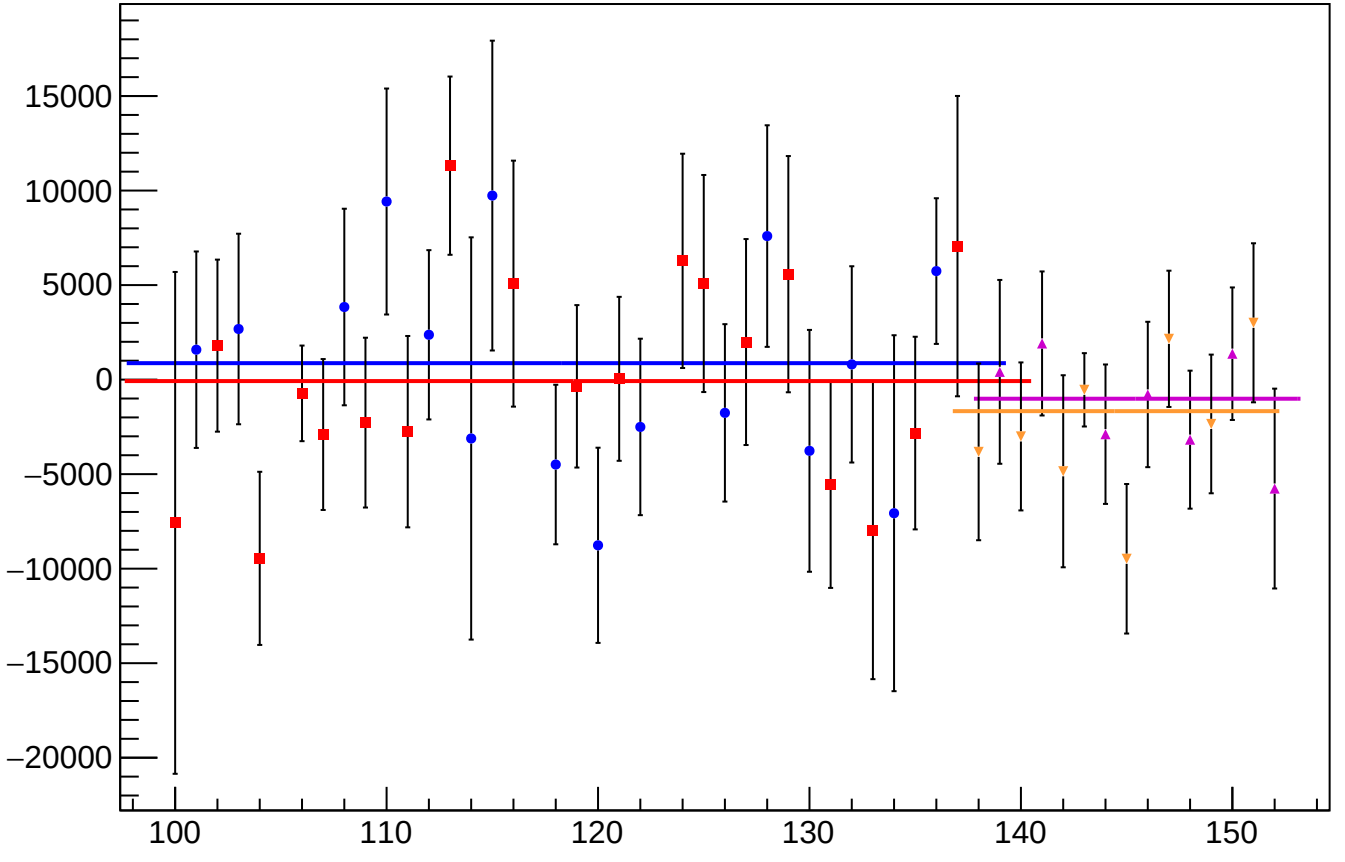
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1289.352+/-0.252 χ^2/NDF:526985.6/22

Out: 1313.744+/-0.255 χ^2/NDF:457403.1/26

All: 1301.395+/-0.179 χ^2/NDF: 989016.6/49

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1668.580+/-1206.139 χ^2/NDF:7.4/7

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -1011.118+/-1499.665 χ^2/NDF:2.6/6

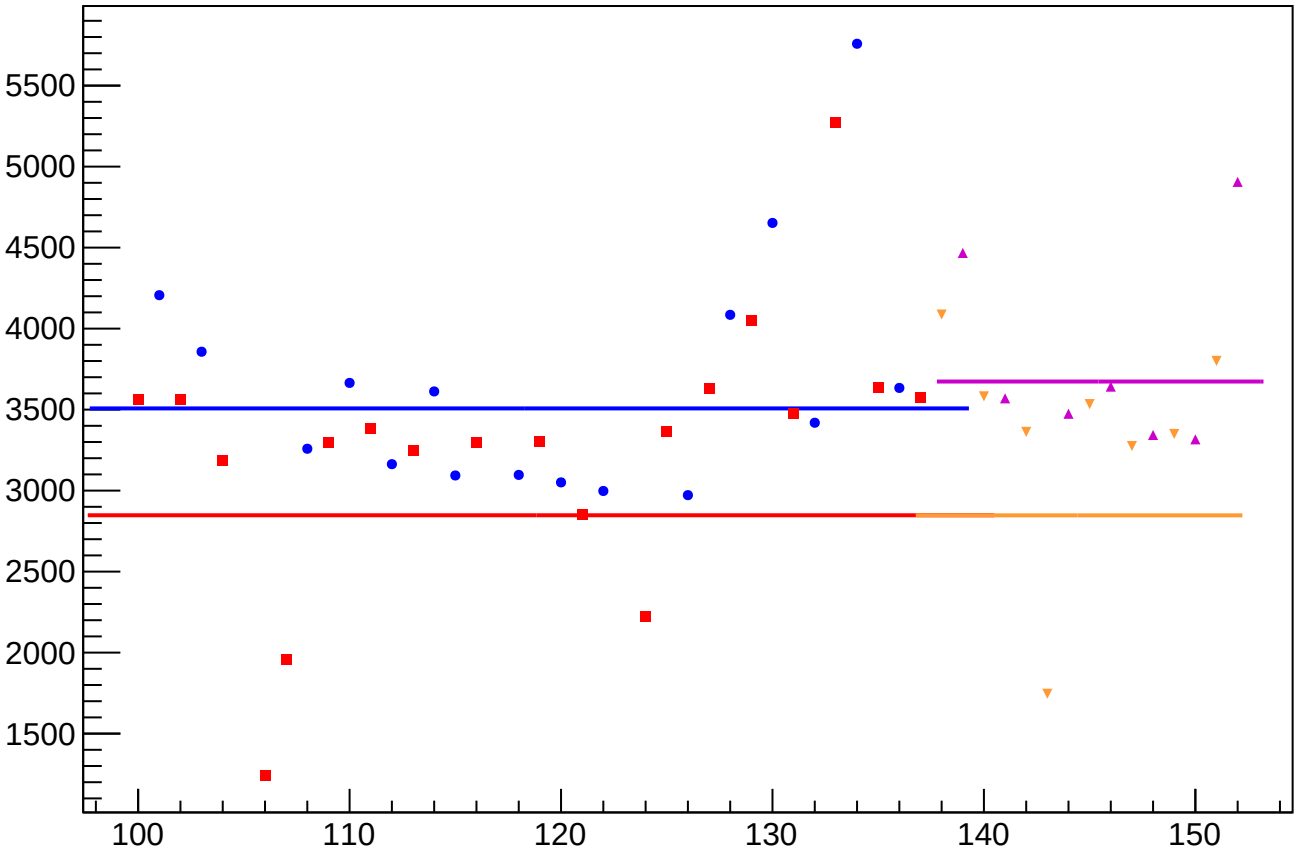
Left: -1410.341+/-939.875 χ^2/NDF: 10.0/14

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 45.290+/-993.072 χ^2/NDF:17.5/22

Out: -807.779+/-817.192 χ^2/NDF:26.7/26

All: -463.351+/-631.012 χ^2/NDF: 44.6/49



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: 3673.333+/-1.060 χ^2/NDF:206565.8/6

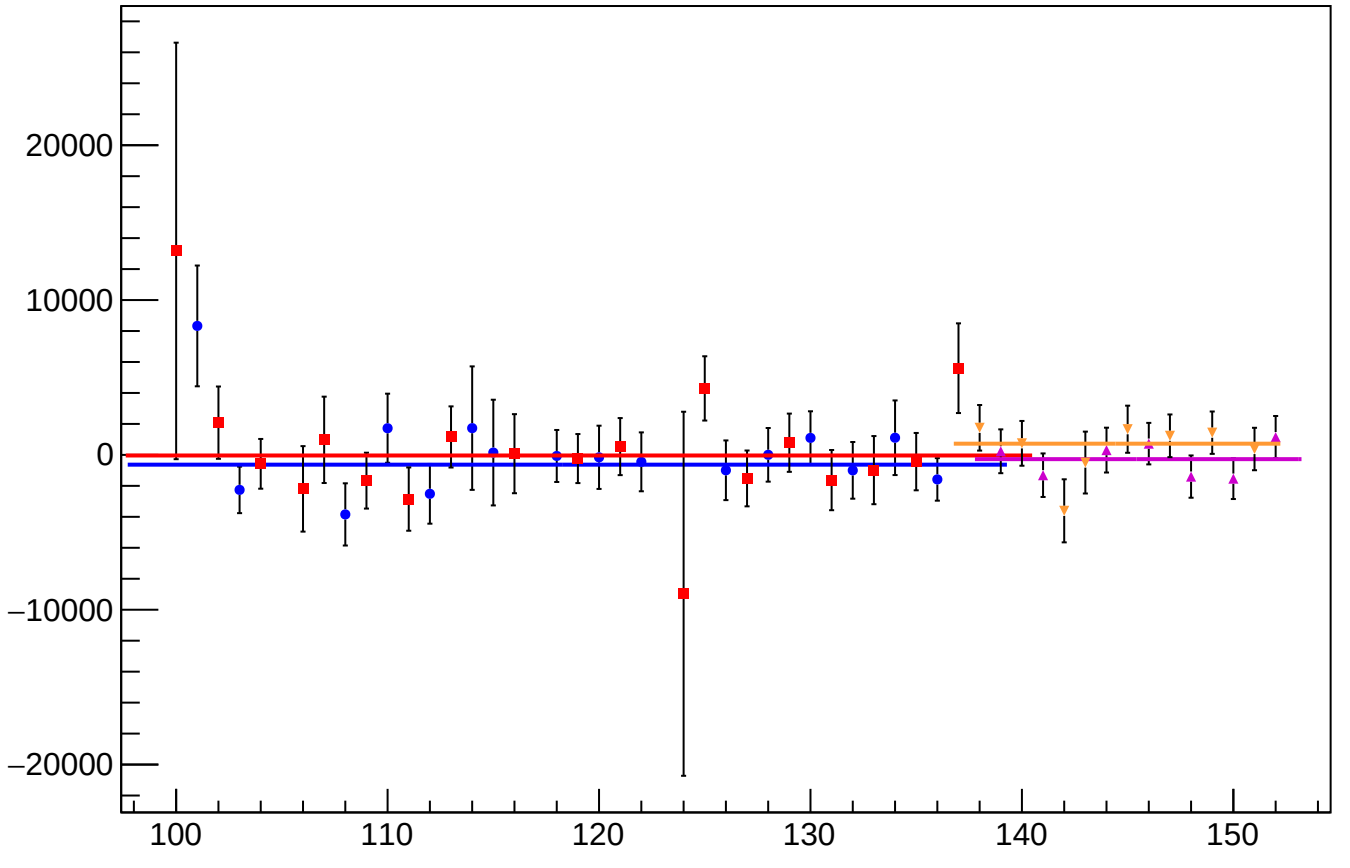
Left: 3171.757+/-0.665 χ^2/NDF: 1680182.8/14

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3580.160+/-0.702 χ^2/NDF:574293.8/22

Out: 2847.593+/-0.578 χ^2/NDF:2604549.0/26

All: 3143.368+/-0.446 χ^2/NDF: 3827761.8/49



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: -274.899+/-520.586 χ^2/NDF:4.1/6

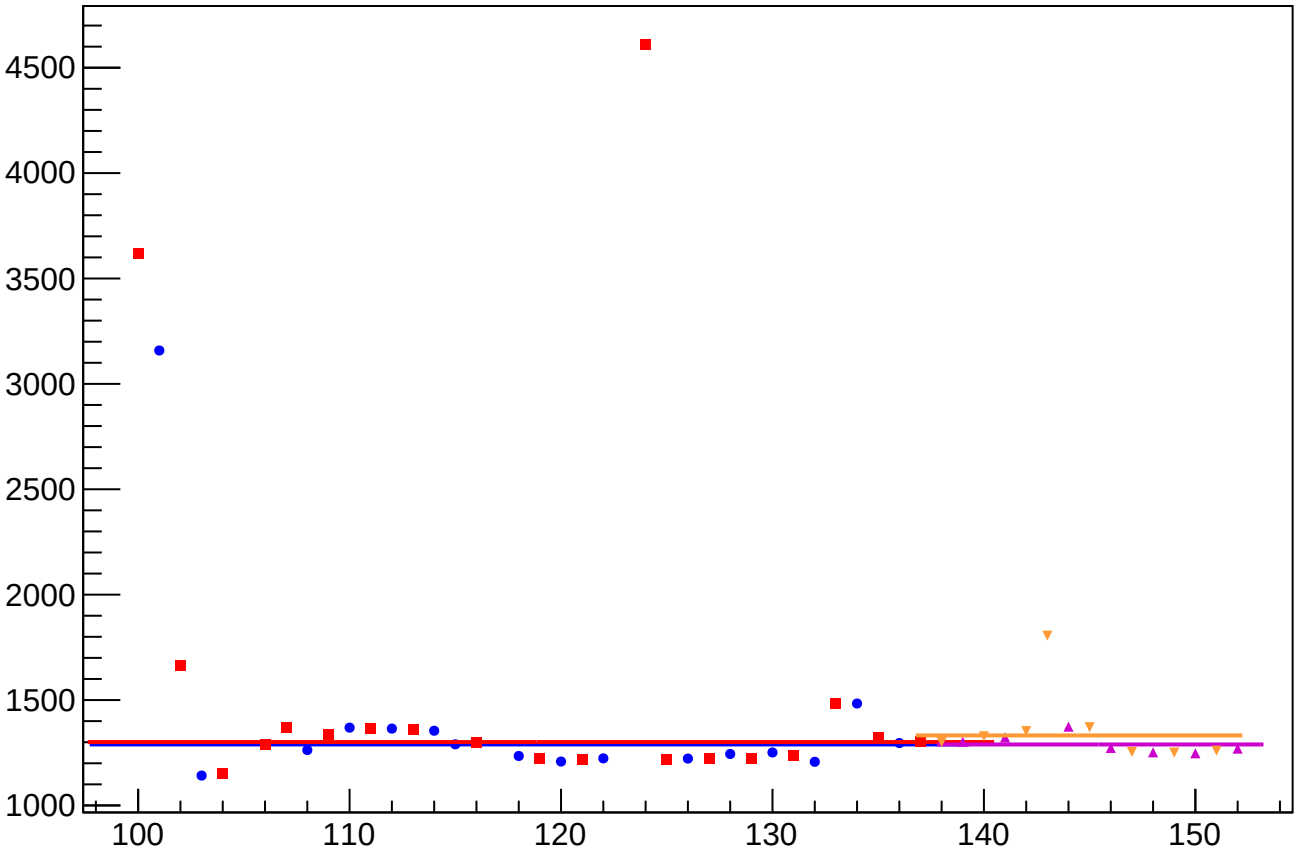
Left: 208.157+/-374.068 χ^2/NDF: 12.1/14

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -464.428+/-356.288 χ^2/NDF:18.2/22

Out: 305.686+/-361.448 χ^2/NDF:23.7/26

All: -84.907+/-253.738 χ^2/NDF: 44.2/49



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: 1289.223+/-0.368 χ^2/NDF:12310.3/6

Left: 1310.004+/-0.265 χ^2/NDF: 152652.2/14

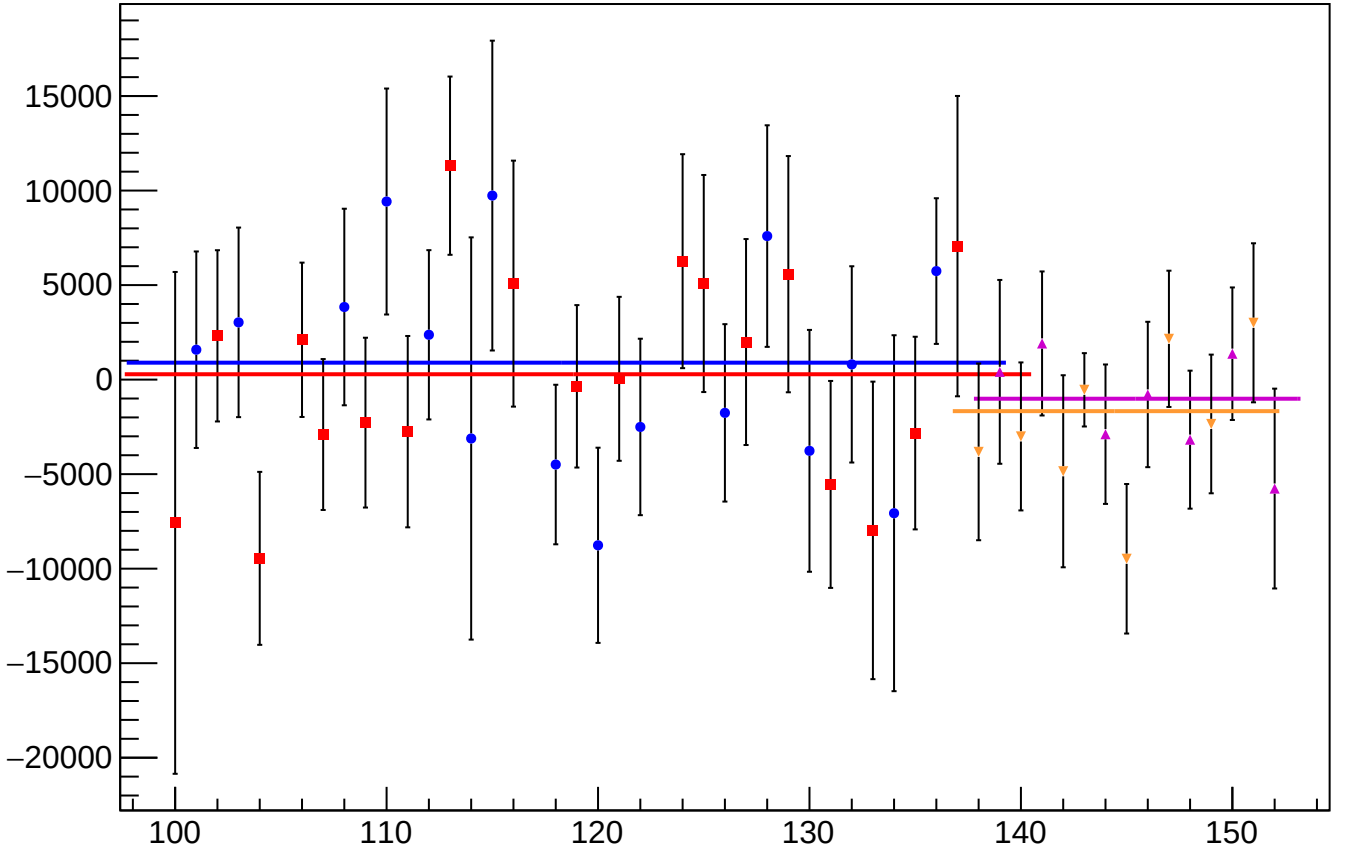
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.352+/-0.252 χ^2/NDF:526987.0/22

Out: 1314.882+/-0.255 χ^2/NDF:463429.4/26

All: 1301.946+/-0.179 χ^2/NDF: 995482.2/49

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: -1011.150+/-1499.663 χ^2/NDF:2.6/6

Left: -1410.308+/-939.873 χ^2/NDF: 10.0/14

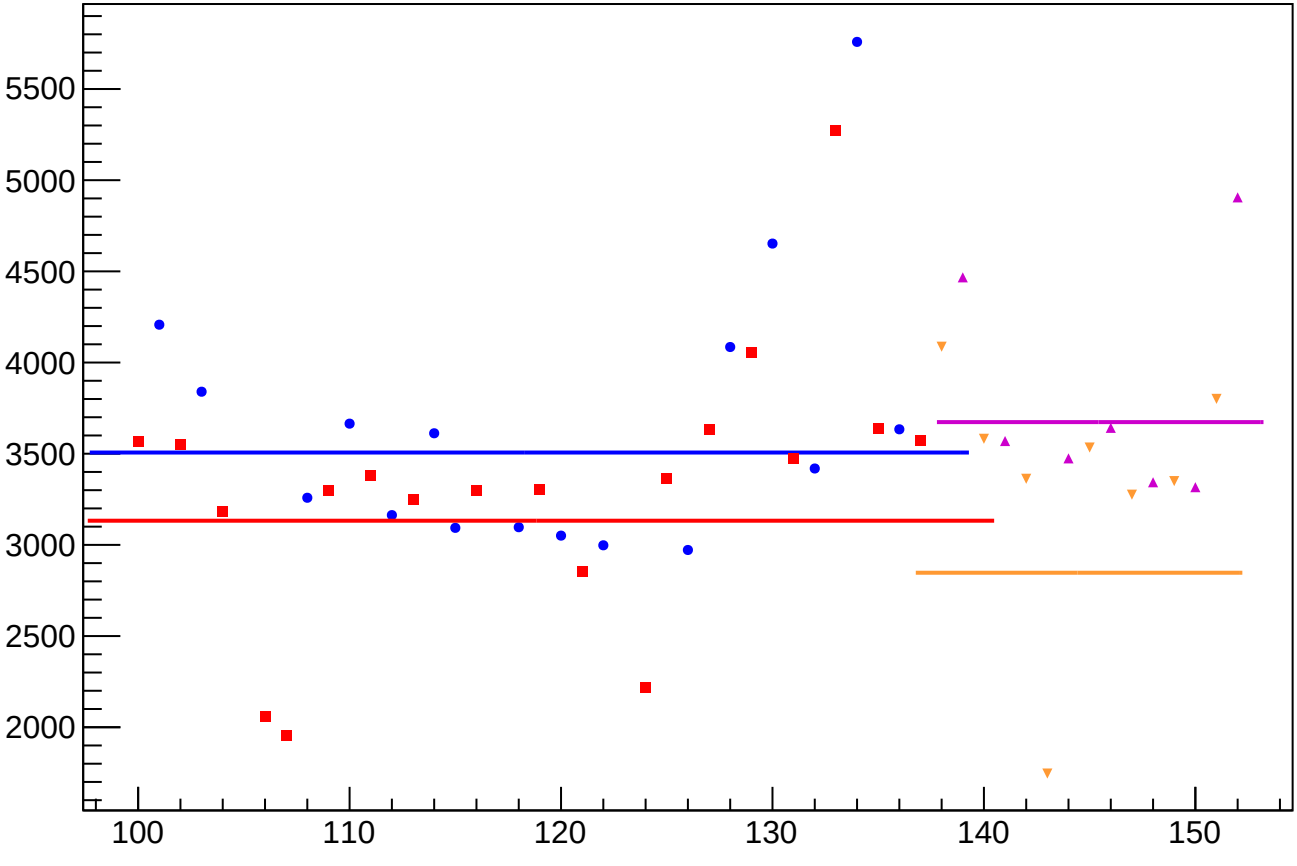
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 60.039+/-992.880 χ^2/NDF:17.6/22

Out: -673.506+/-844.631 χ^2/NDF:27.3/26

All: -365.533+/-643.339 χ^2/NDF: 45.2/49

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

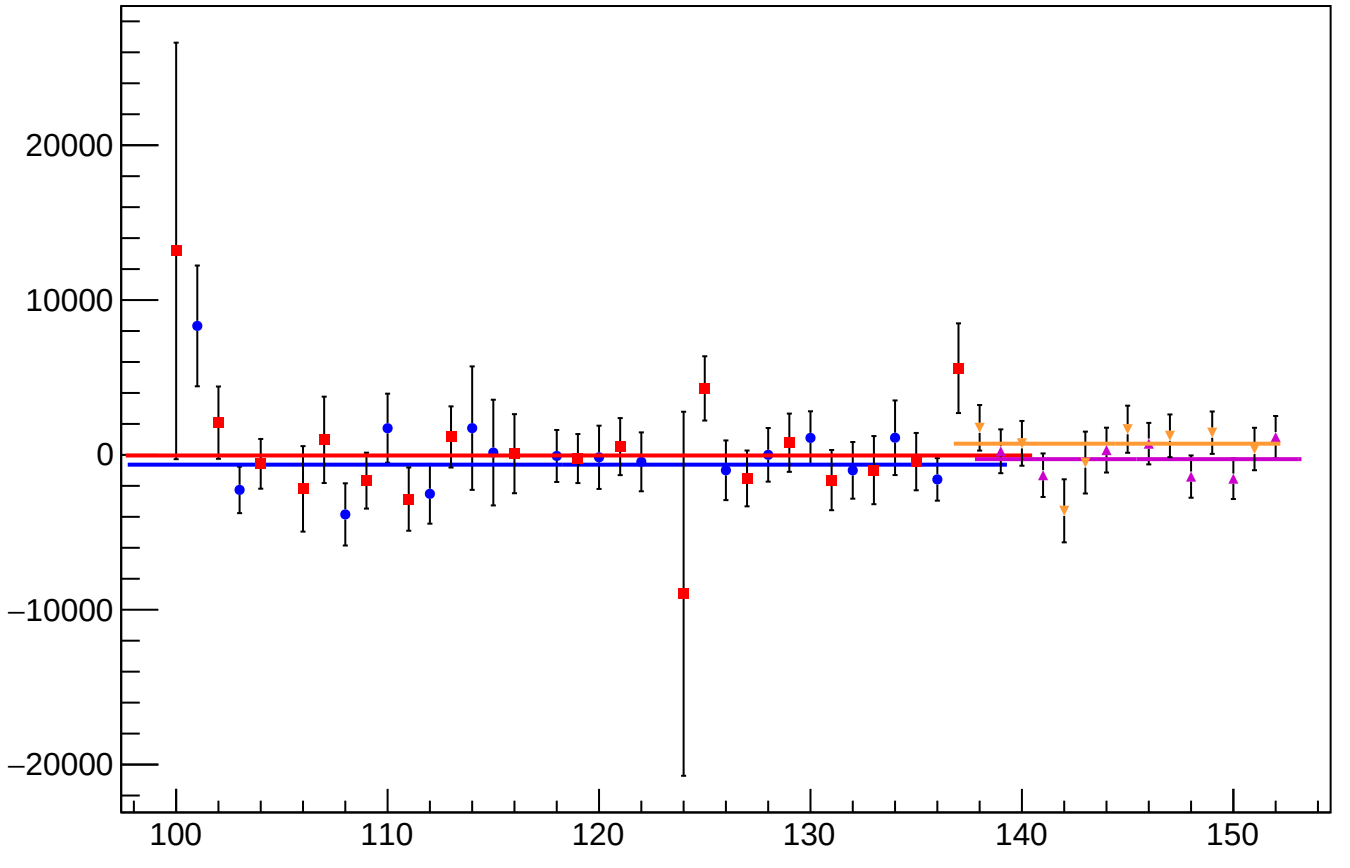
Left: 3171.749+/-0.665 χ^2/NDF: 1680208.8/14

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3579.617+/-0.702 χ^2/NDF:573707.8/22

Out: 2992.685+/-0.597 χ^2/NDF:1811827.0/26

All: 3239.104+/-0.455 χ^2/NDF: 2791004.1/49



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: -274.899+/-520.586 χ^2/NDF:4.1/6

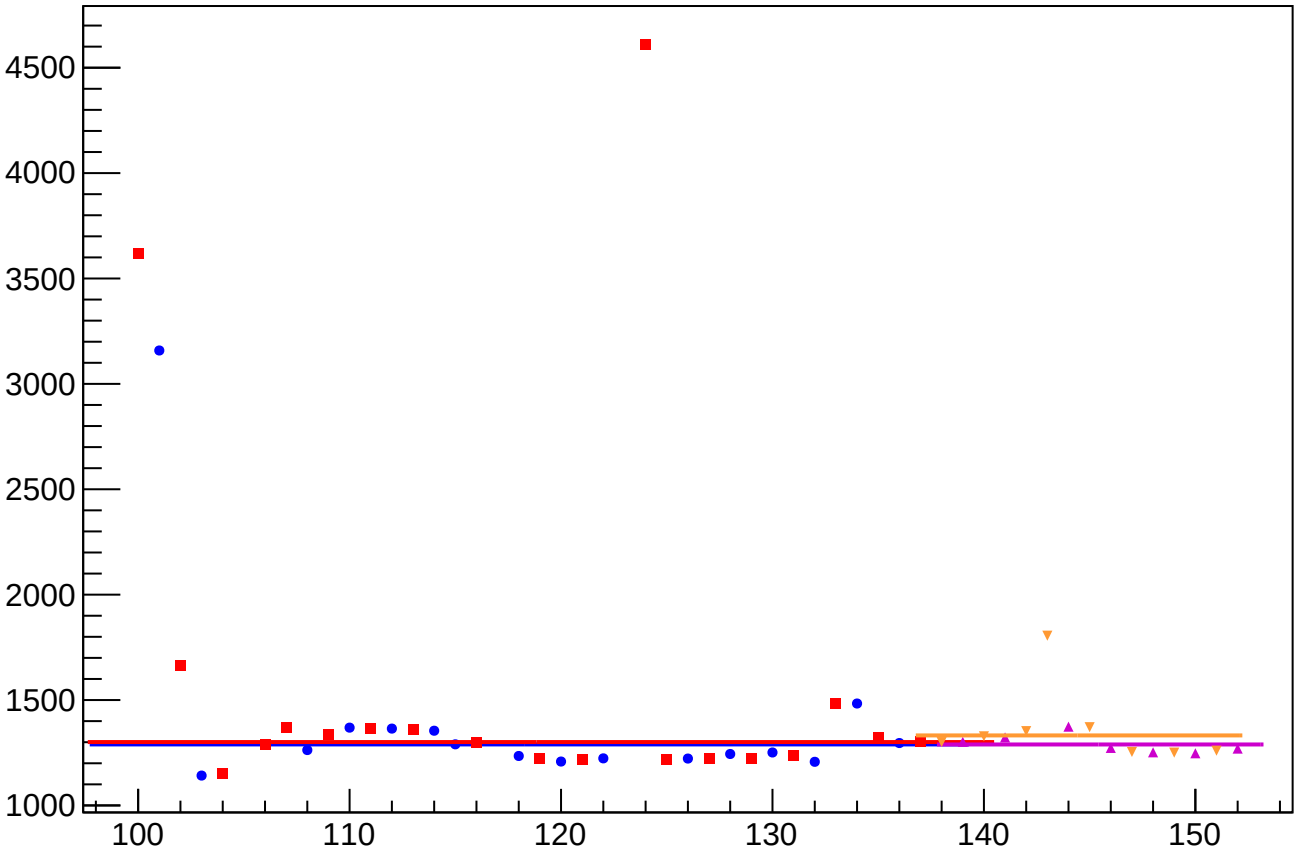
Left: 208.157+/-374.068 χ^2/NDF: 12.1/14

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -464.428+/-356.288 χ^2/NDF:18.2/22

Out: 305.686+/-361.448 χ^2/NDF:23.7/26

All: -84.907+/-253.738 χ^2/NDF: 44.2/49



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: 1289.223+/-0.368 χ^2/NDF:12310.3/6

Left: 1310.004+/-0.265 χ^2/NDF: 152652.2/14

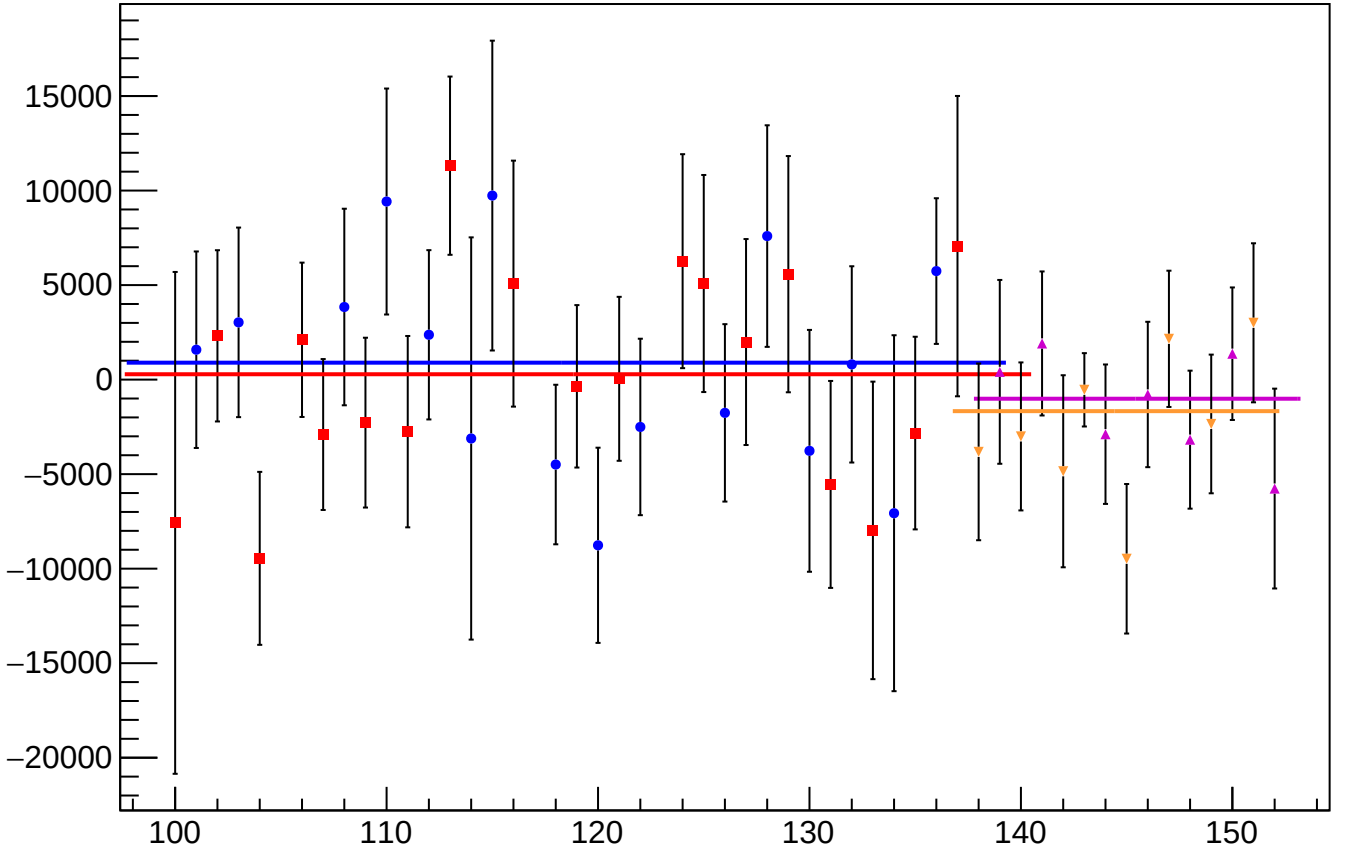
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.352+/-0.252 χ^2/NDF:526987.0/22

Out: 1314.882+/-0.255 χ^2/NDF:463429.4/26

All: 1301.946+/-0.179 χ^2/NDF: 995482.2/49

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1668.503+/-1206.136 χ^2/NDF:7.4/7

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1011.150+/-1499.663 χ^2/NDF:2.6/6

Left: -1410.308+/-939.873 χ^2/NDF: 10.0/14

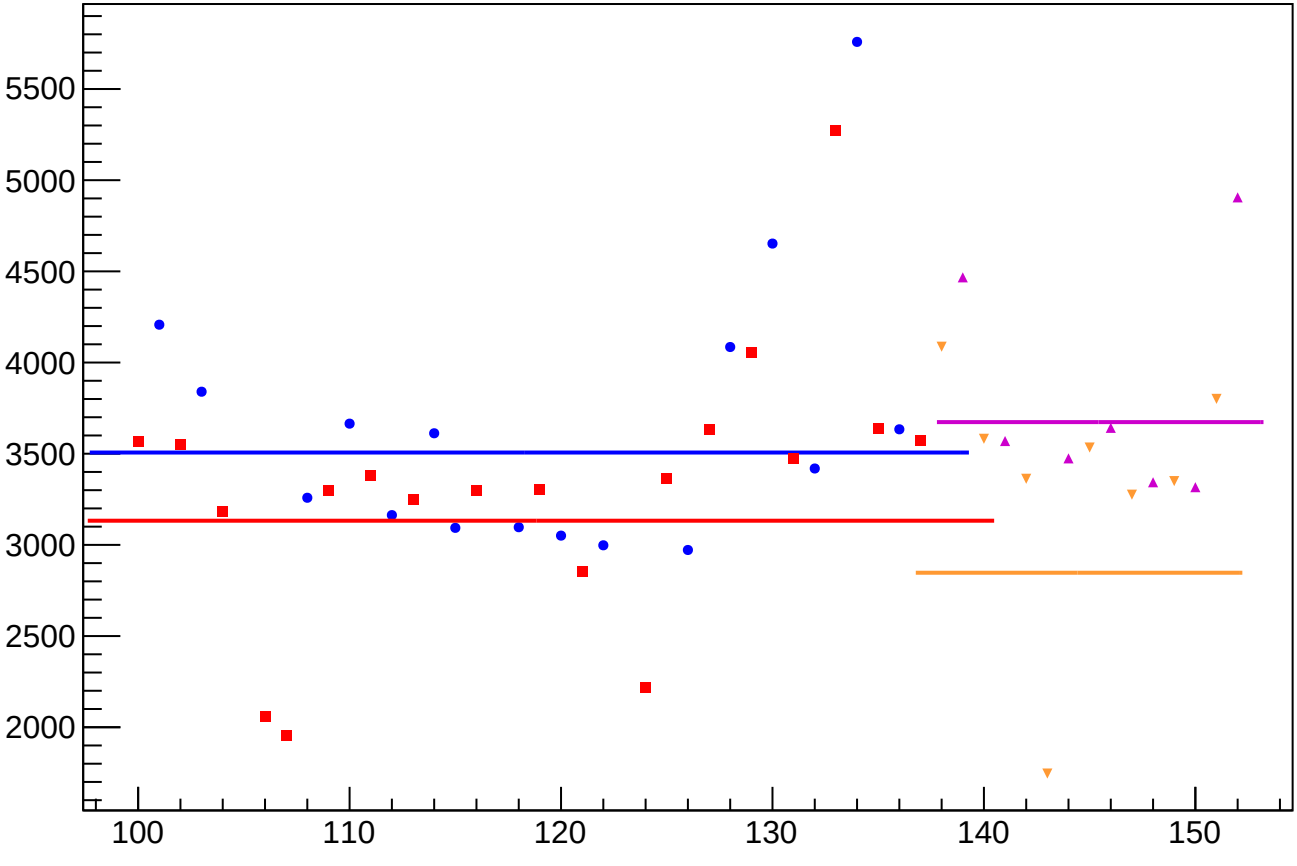
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 60.039+/-992.880 χ^2/NDF:17.6/22

Out: -673.506+/-844.631 χ^2/NDF:27.3/26

All: -365.533+/-643.339 χ^2/NDF: 45.2/49

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

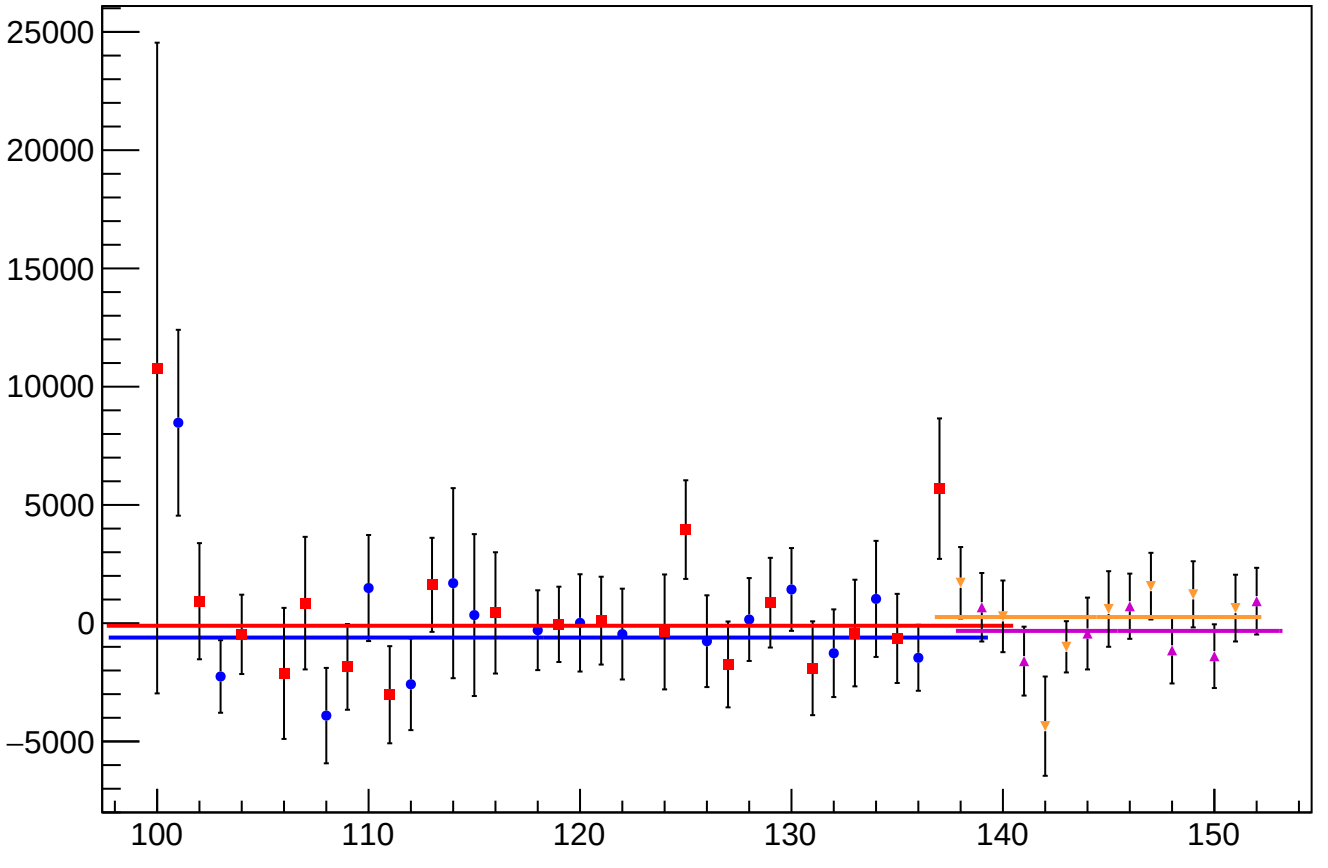
Left: 3171.749+/-0.665 χ^2/NDF: 1680208.8/14

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3579.617+/-0.702 χ^2/NDF:573707.8/22

Out: 2992.685+/-0.597 χ^2/NDF:1811827.0/26

All: 3239.104+/-0.455 χ^2/NDF: 2791004.1/49



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: -326.169+/-536.661 χ^2/NDF:3.6/6

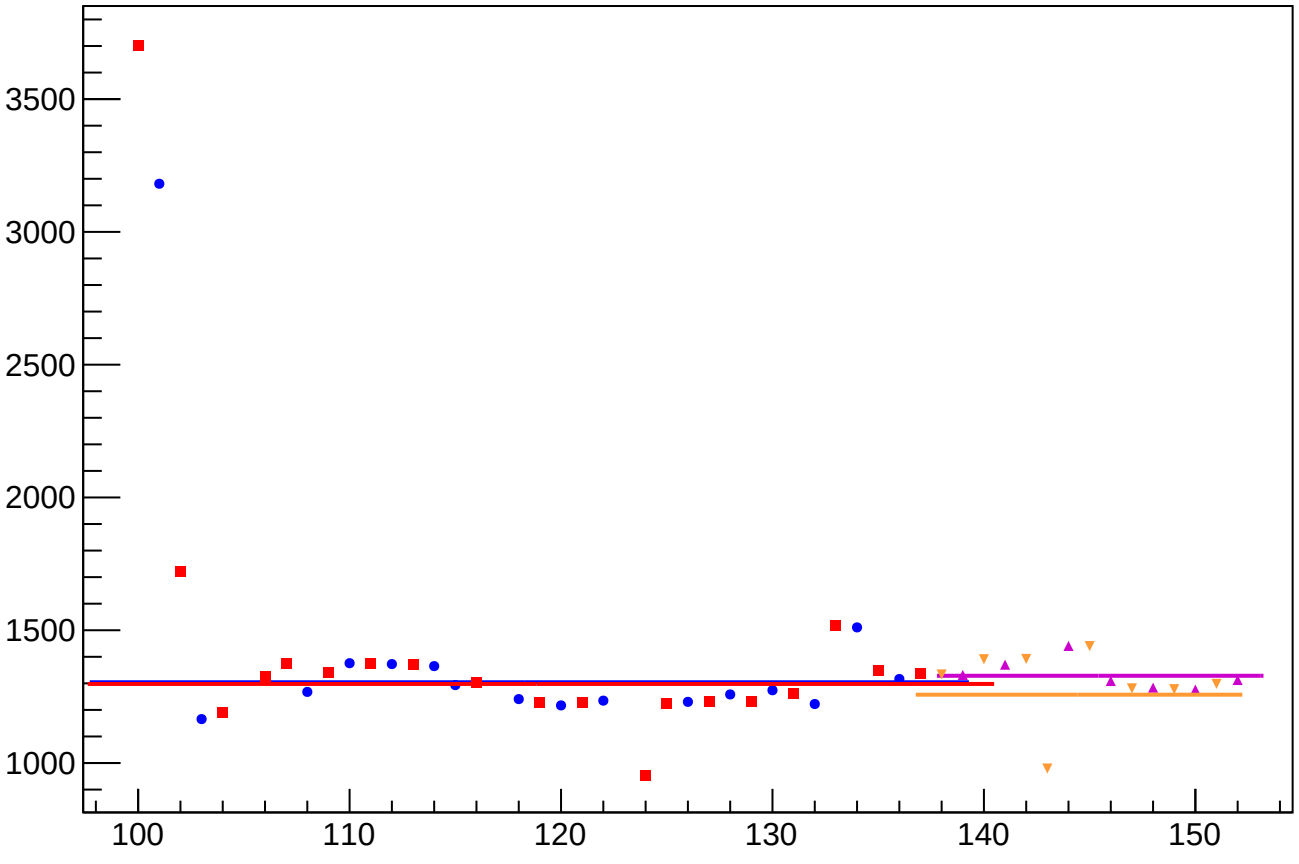
Left: -17.252+/-369.268 χ^2/NDF: 12.8/14

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -478.587+/-363.531 χ^2/NDF:17.8/22

Out: 67.296+/-351.299 χ^2/NDF:23.7/26

All: -196.307+/-252.619 χ^2/NDF: 42.7/49



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: 1328.595+/-0.379 χ^2/NDF:18306.6/6

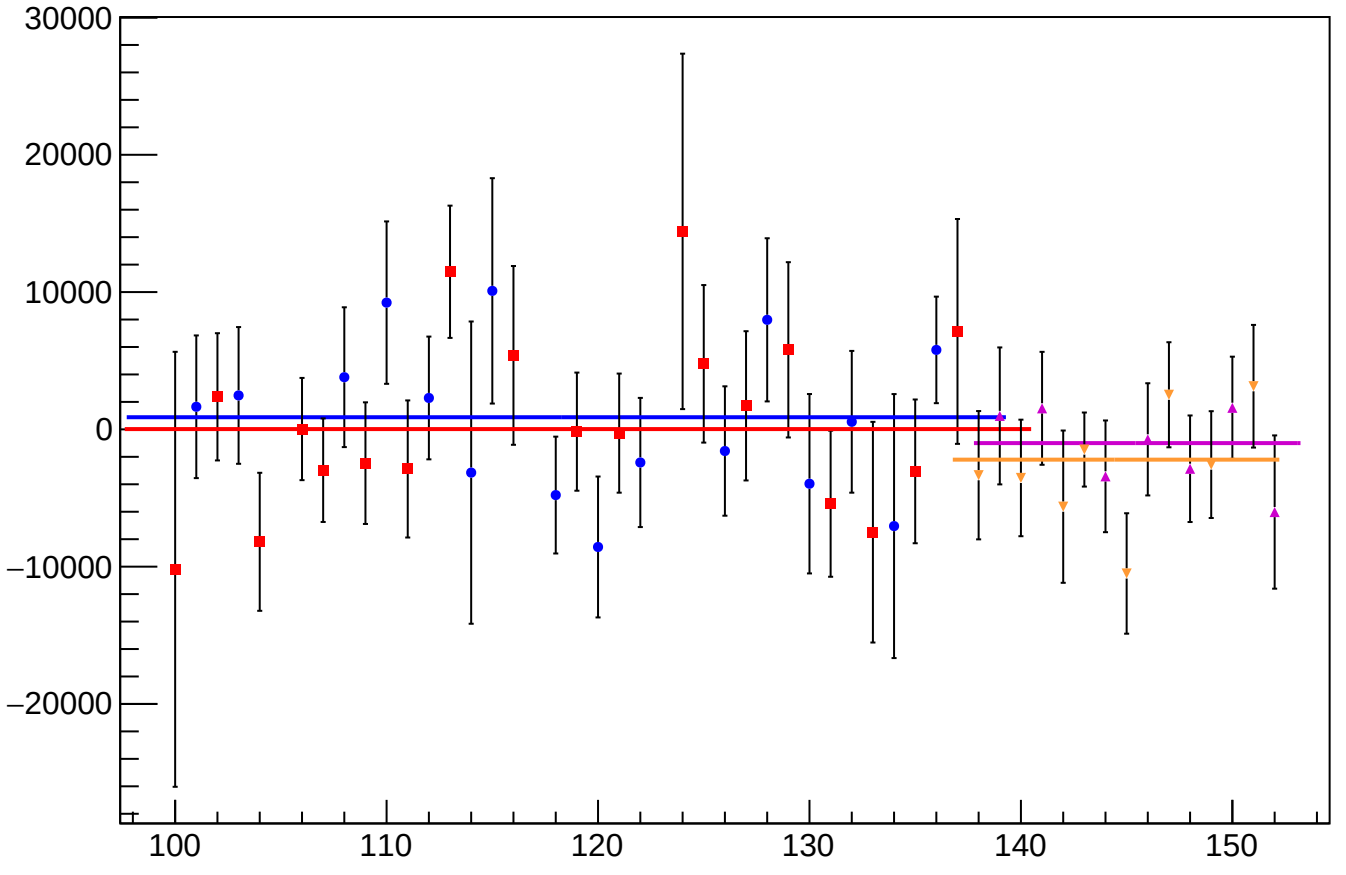
Left: 1291.072+/-0.261 χ^2/NDF: 226208.8/14

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1315.341+/-0.257 χ^2/NDF:531150.3/22

Out: 1278.528+/-0.248 χ^2/NDF:409053.9/26

All: 1296.298+/-0.179 χ^2/NDF: 950813.5/49



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: -1000.552+/-1600.800 χ^2/NDF:2.4/6

Left: -1682.098+/-1055.303 χ^2/NDF: 9.9/14

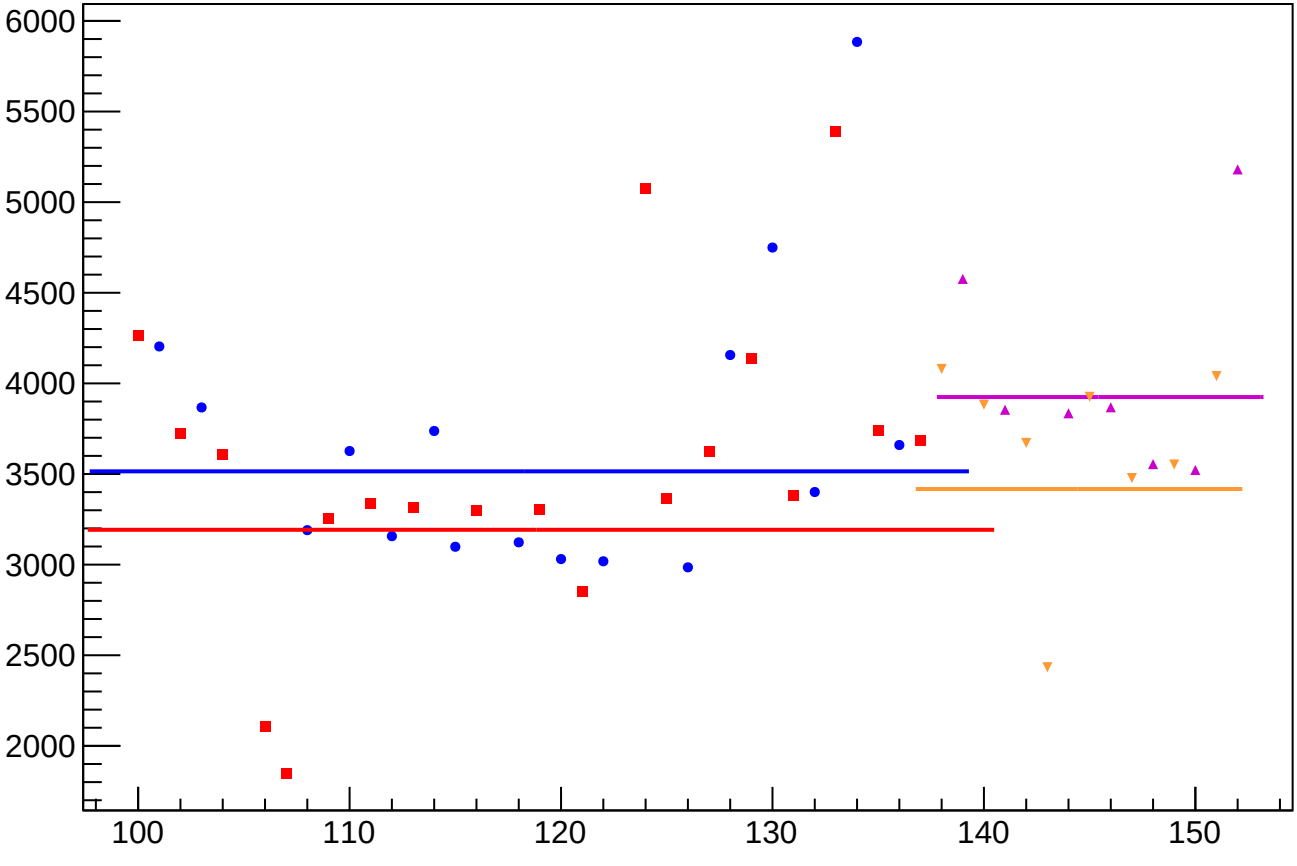
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 116.195+/-1021.805 χ^2/NDF:17.4/22

Out: -919.707+/-912.062 χ^2/NDF:25.4/26

All: -460.353+/-680.429 χ^2/NDF: 43.4/49

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: 3924.685+/-1.132 χ^2/NDF:178886.7/6

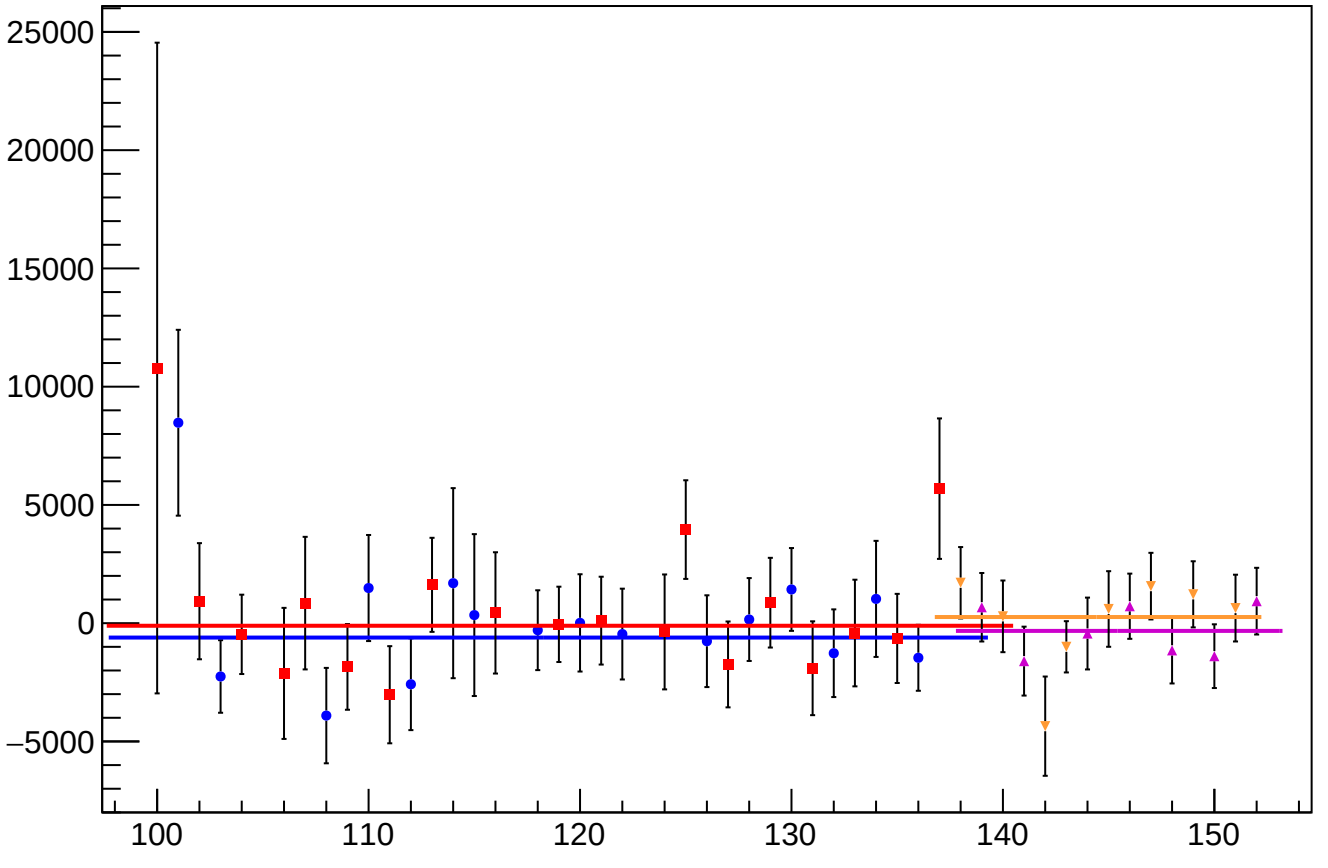
Left: 3637.799+/-0.746 χ^2/NDF: 695423.7/14

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3681.771+/-0.723 χ^2/NDF:631684.5/22

Out: 3287.266+/-0.645 χ^2/NDF:1205141.9/26

All: 3462.203+/-0.481 χ^2/NDF: 2002752.8/49



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: -326.168+/-536.661 χ^2/NDF:3.6/6

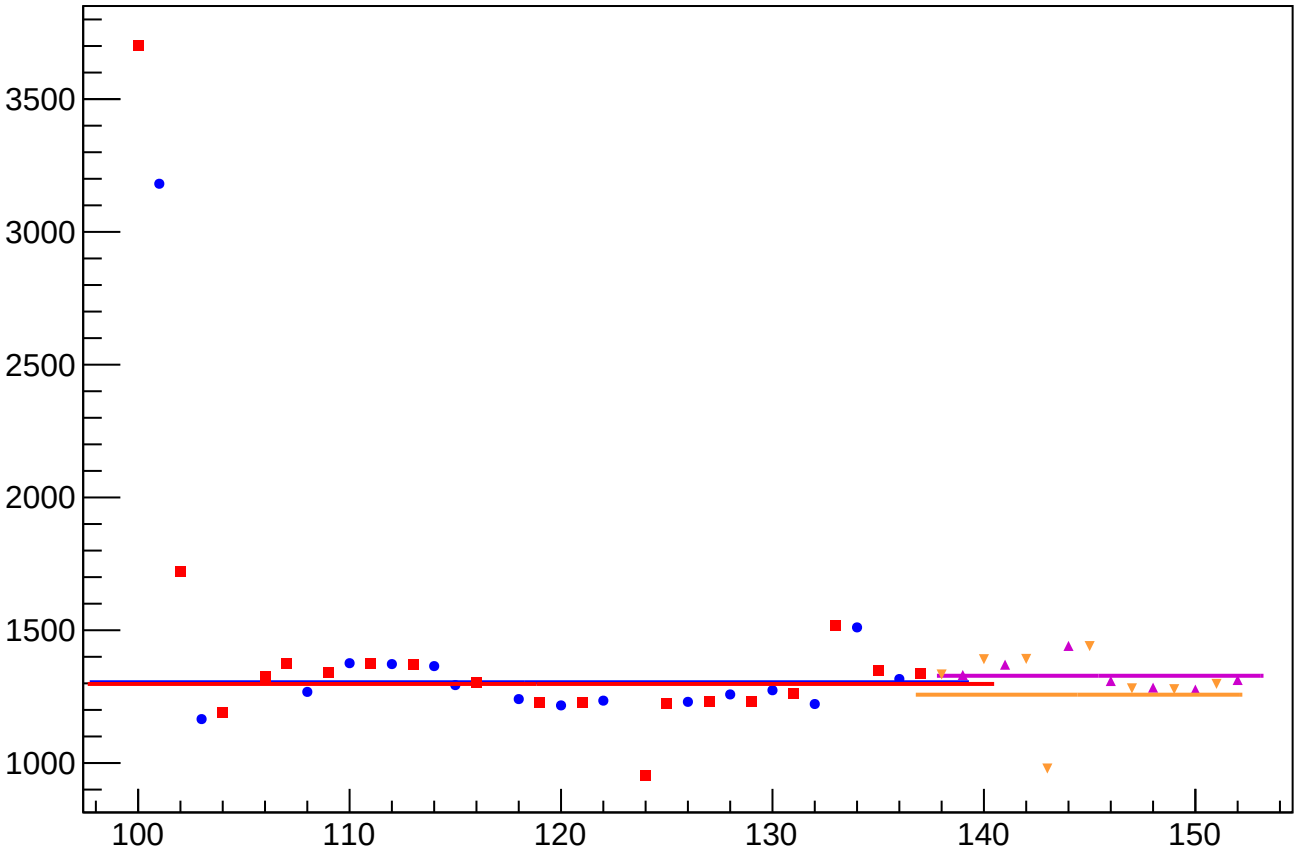
Left: -17.252+/-369.268 χ^2/NDF: 12.8/14

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -478.589+/-363.531 χ^2/NDF:17.8/22

Out: 67.292+/-351.299 χ^2/NDF:23.7/26

All: -196.310+/-252.619 χ^2/NDF: 42.7/49



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: 1328.596+/-0.379 χ^2/NDF:18306.7/6

Left: 1291.073+/-0.261 χ^2/NDF: 226209.1/14

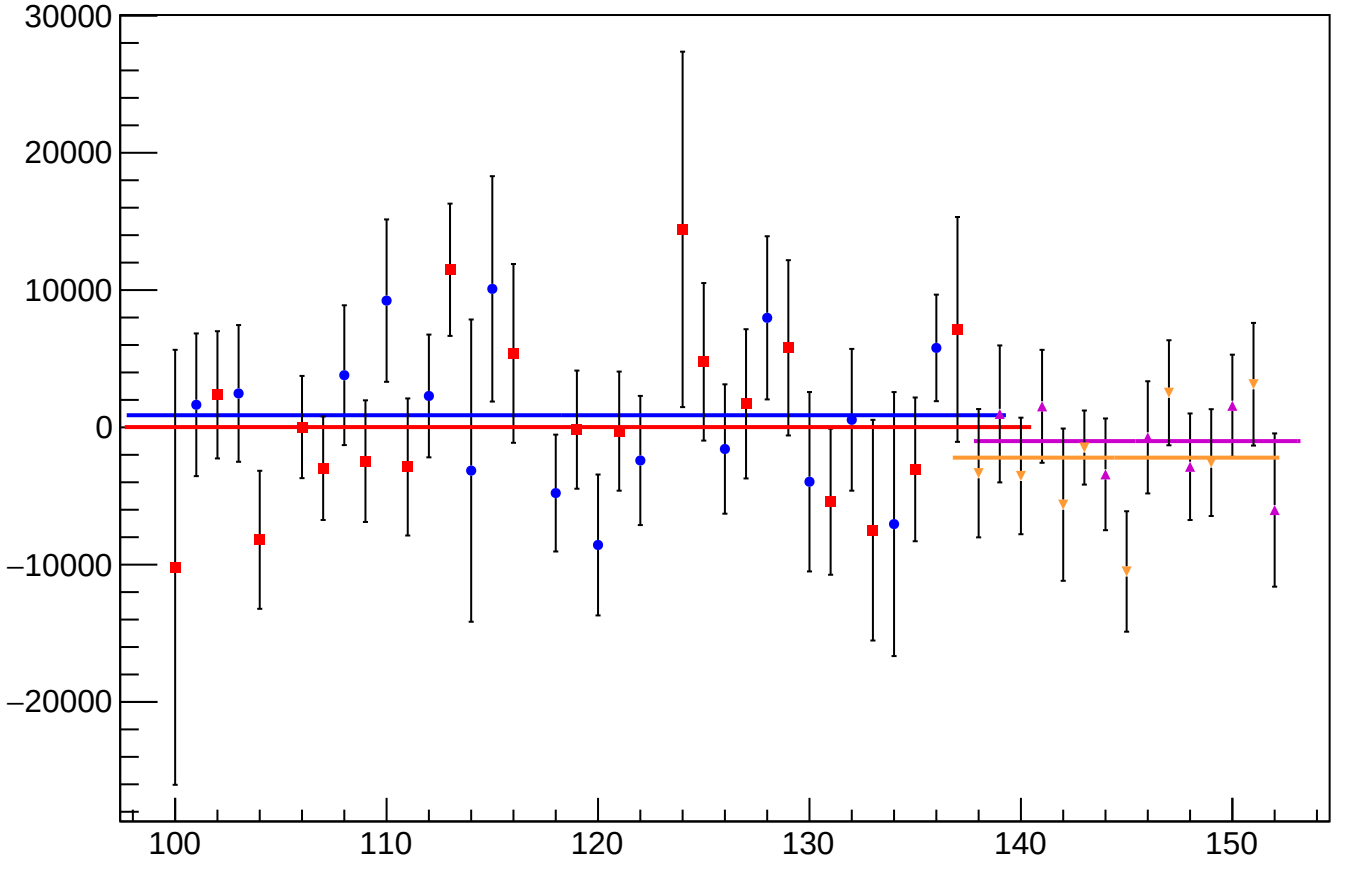
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1315.341+/-0.257 χ^2/NDF:531150.7/22

Out: 1278.529+/-0.248 χ^2/NDF:409053.9/26

All: 1296.298+/-0.179 χ^2/NDF: 950813.9/49

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: -1000.550+/-1600.802 χ^2/NDF:2.4/6

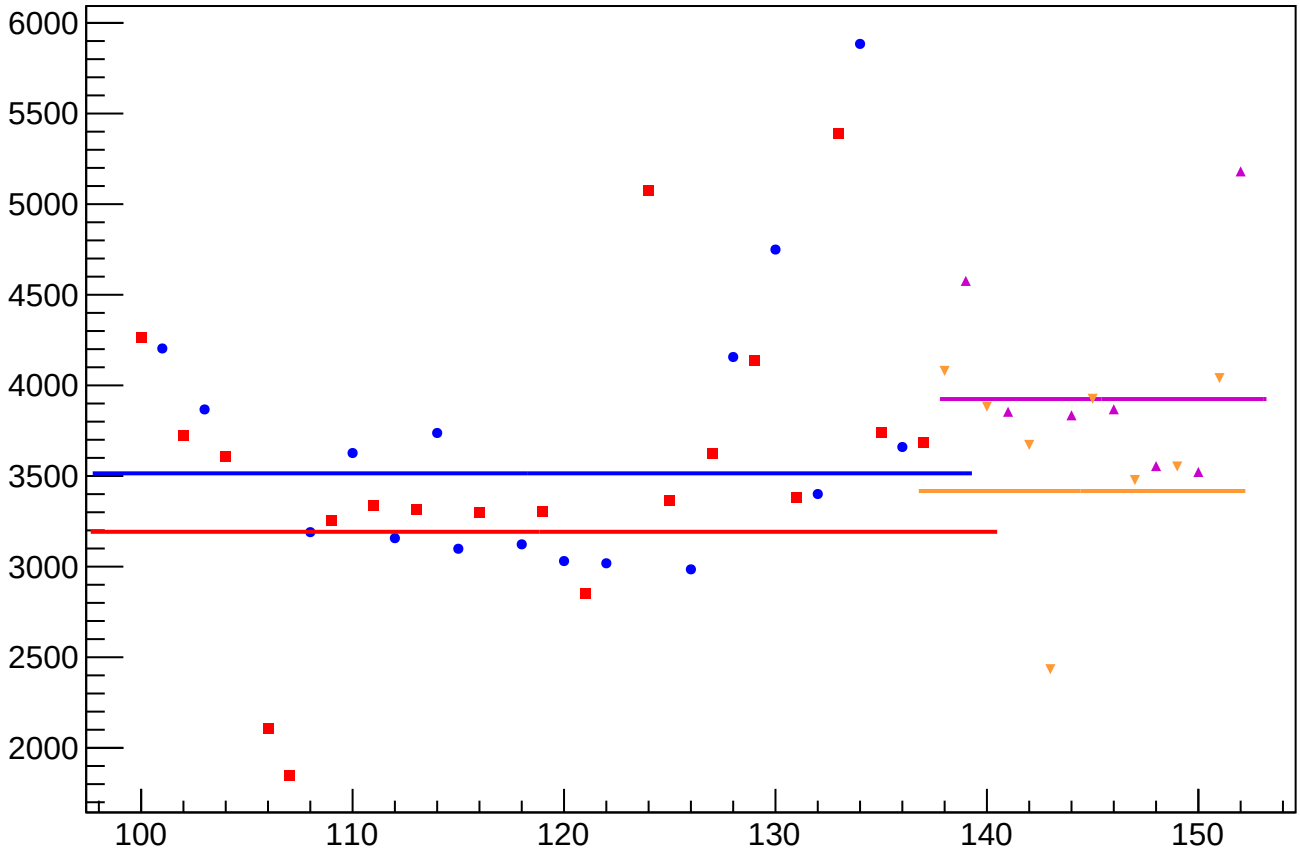
Left: -1682.097+/-1055.304 χ^2/NDF: 9.9/14

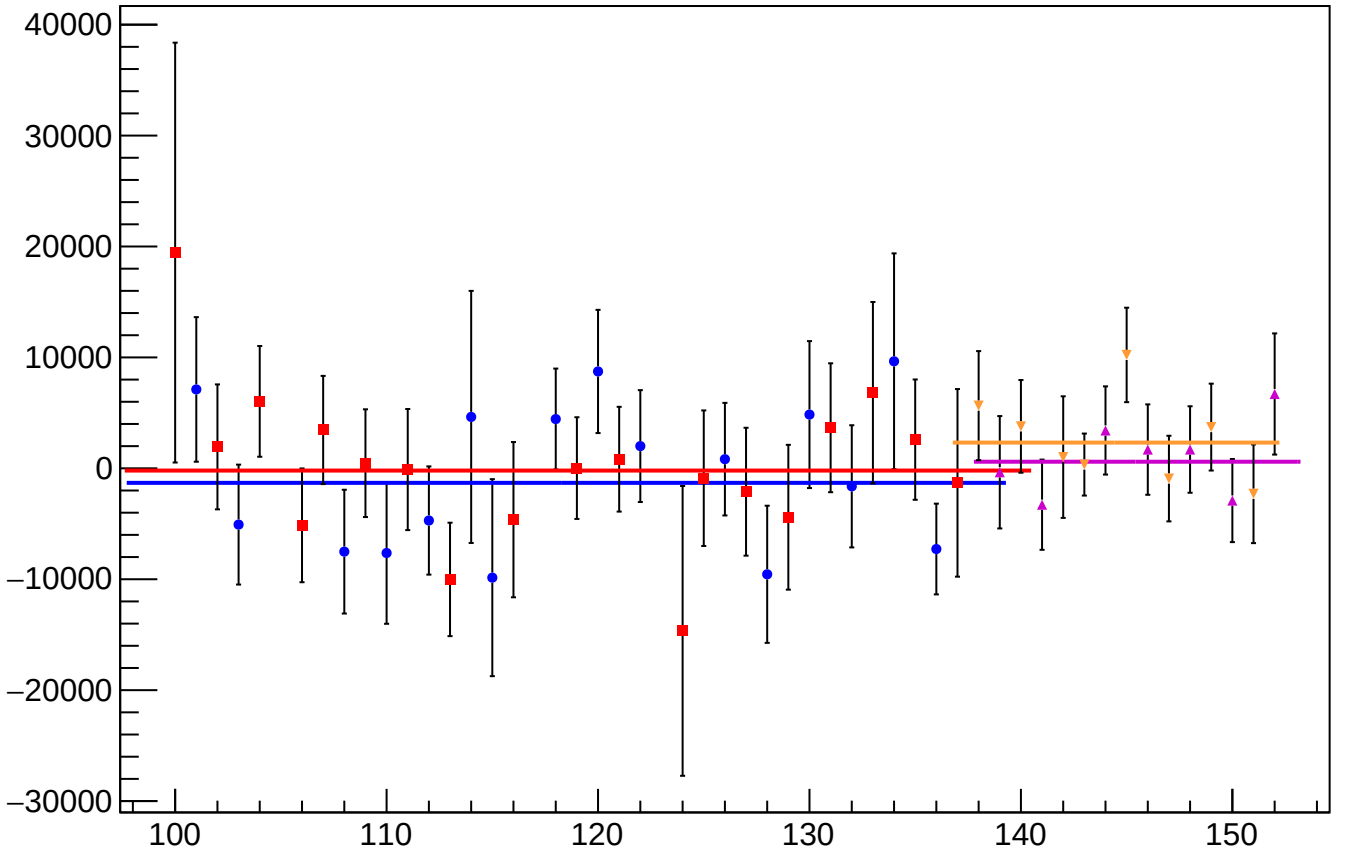
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 116.193+/-1021.804 χ^2/NDF:17.4/22

Out: -919.705+/-912.061 χ^2/NDF:25.4/26

All: -460.352+/-680.428 χ^2/NDF: 43.4/49


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: 3924.690+/-1.132 χ²/NDF:178887.3/6
Left: 3637.804+/-0.746 χ²/NDF: 695424.4/14
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 3681.767+/-0.723 χ²/NDF:631694.7/22
Out: 3287.263+/-0.645 χ²/NDF:1205147.7/26
All: 3462.199+/-0.481 χ²/NDF: 2002768.2/49



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: 596.327+/-1594.326 χ^2/NDF:3.7/6

Left: 1559.944+/-1059.230 χ^2/NDF: 10.9/14

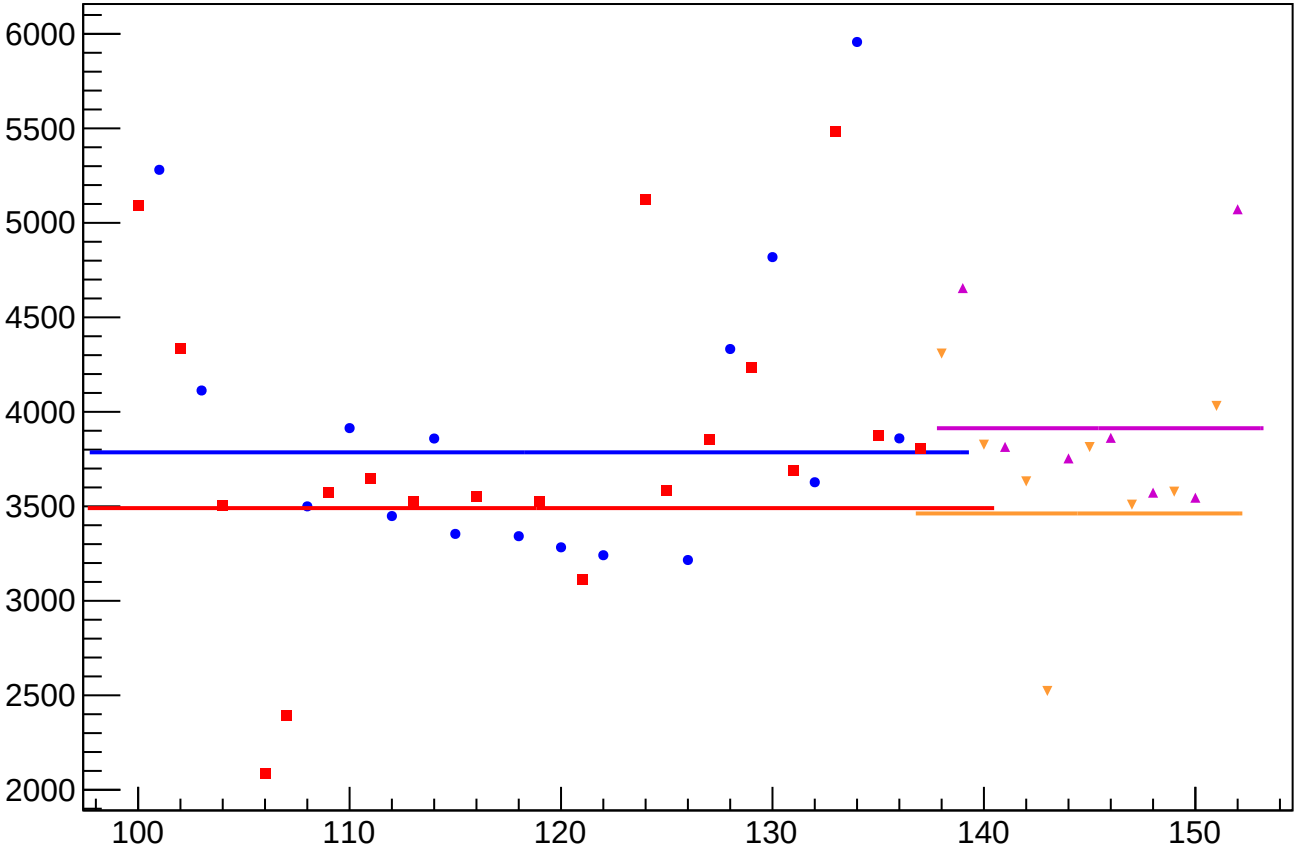
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -458.682+/-1065.203 χ^2/NDF:22.1/22

Out: 985.581+/-972.165 χ^2/NDF:19.8/26

All: 329.266+/-718.068 χ^2/NDF: 42.9/49

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: 3913.340+/-1.127 χ^2/NDF:172116.9/6

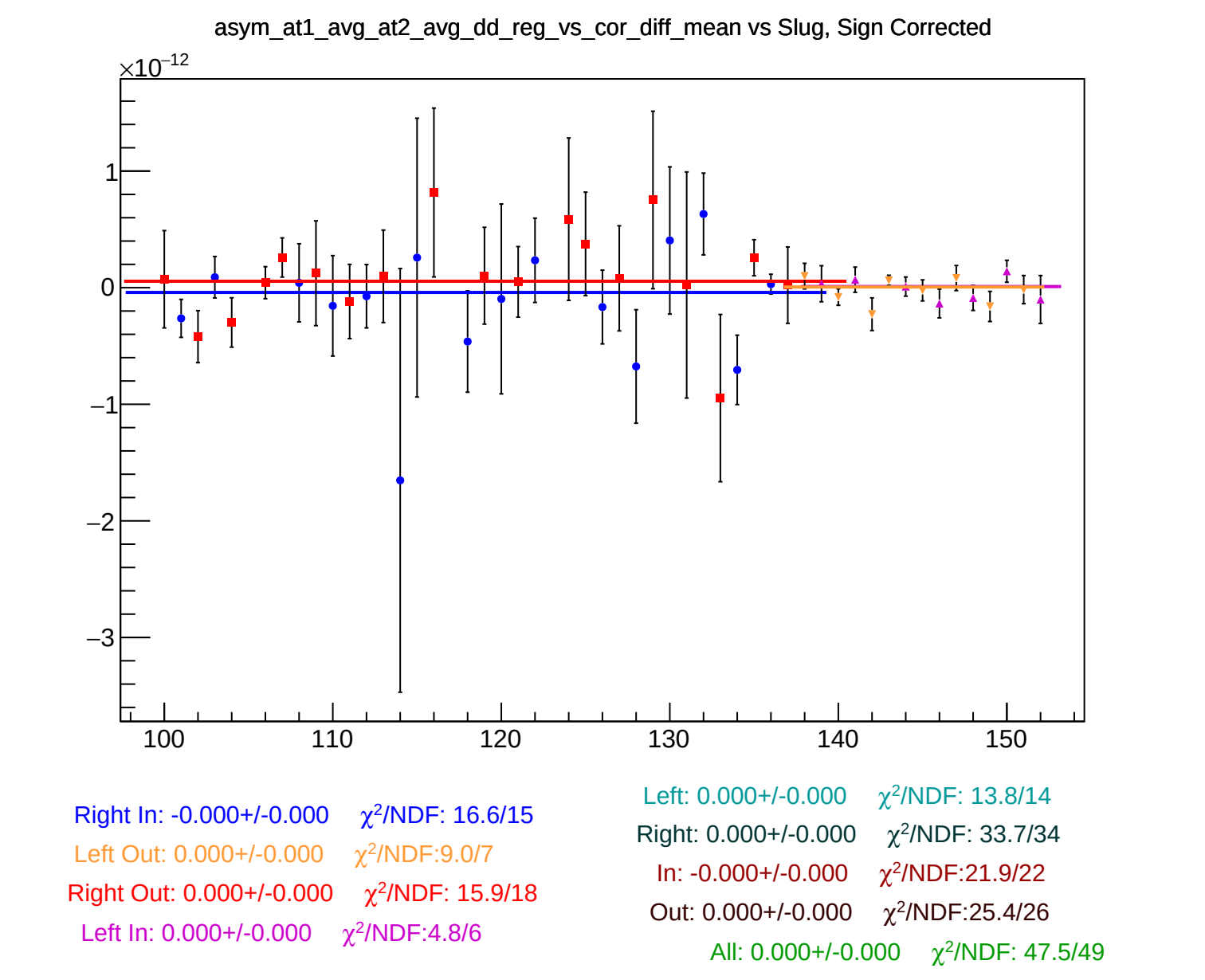
Left: 3661.409+/-0.749 χ^2/NDF: 612001.9/14

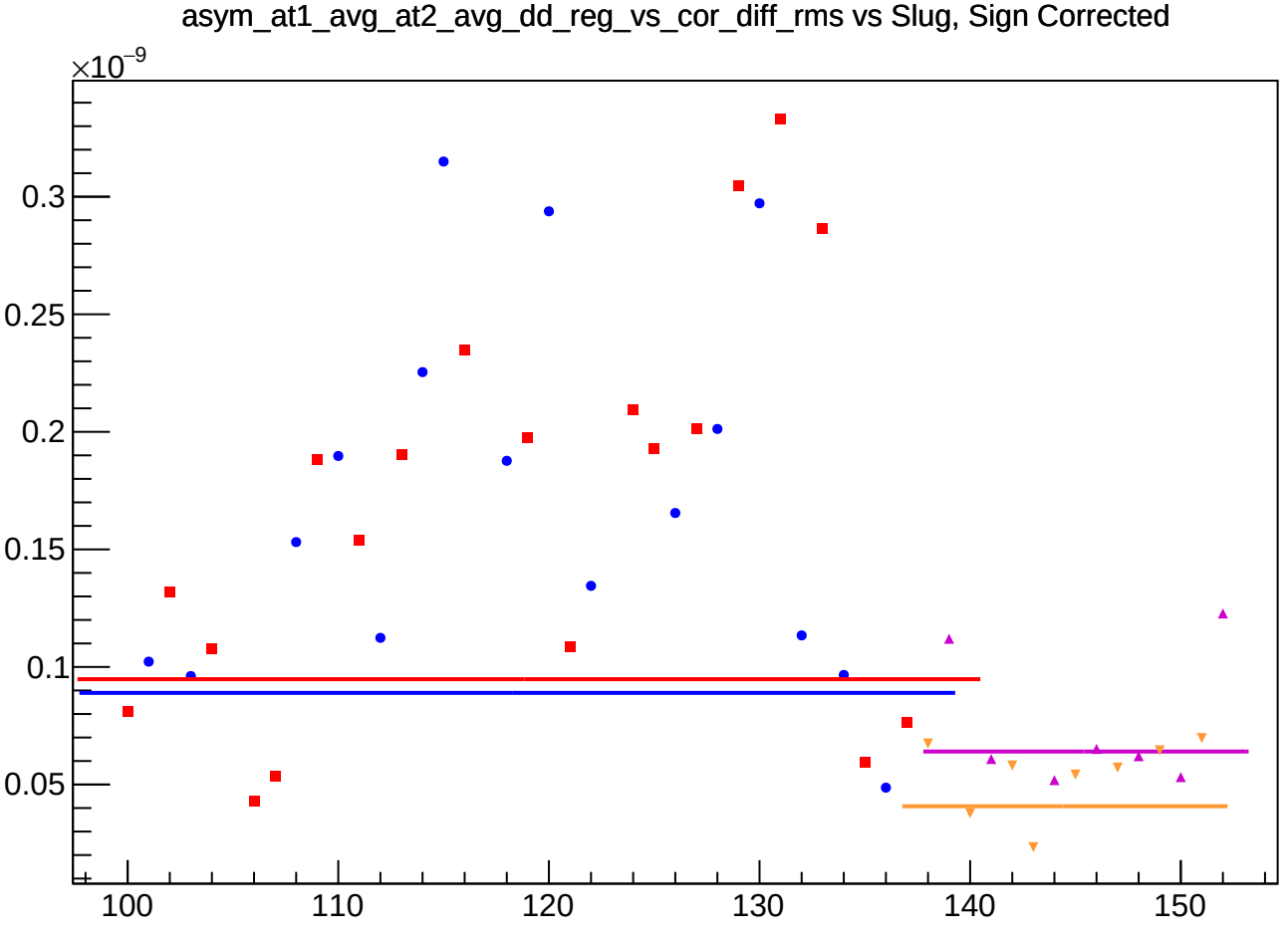
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3842.717+/-0.753 χ^2/NDF:562198.3/22

Out: 3477.503+/-0.682 χ^2/NDF:937628.2/26

All: 3642.144+/-0.506 χ^2/NDF: 1628944.9/49


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:4.8/6
Left: 0.000+/-0.000 χ²/NDF: 13.8/14
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: -0.000+/-0.000 χ²/NDF:21.9/22
Out: 0.000+/-0.000 χ²/NDF:25.4/26
All: 0.000+/-0.000 χ²/NDF: 47.5/49



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:428699.4/6

Left: 0.000+/-0.000 χ^2/NDF: 1583567.1/14

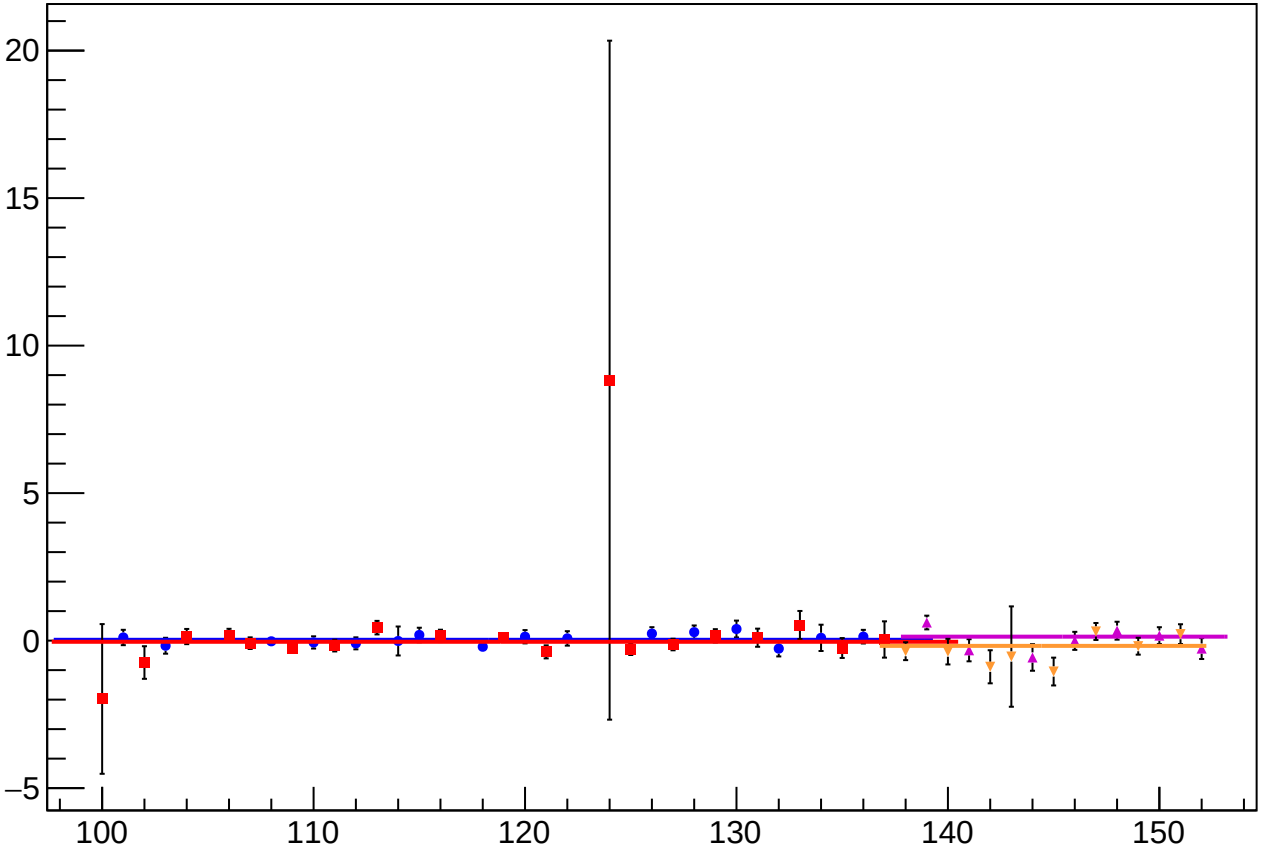
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2126559.2/22

Out: 0.000+/-0.000 χ^2/NDF:3659125.2/26

All: 0.000+/-0.000 χ^2/NDF: 6325285.1/49

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: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: -0.004+/-0.088 χ^2/NDF: 23.2/14

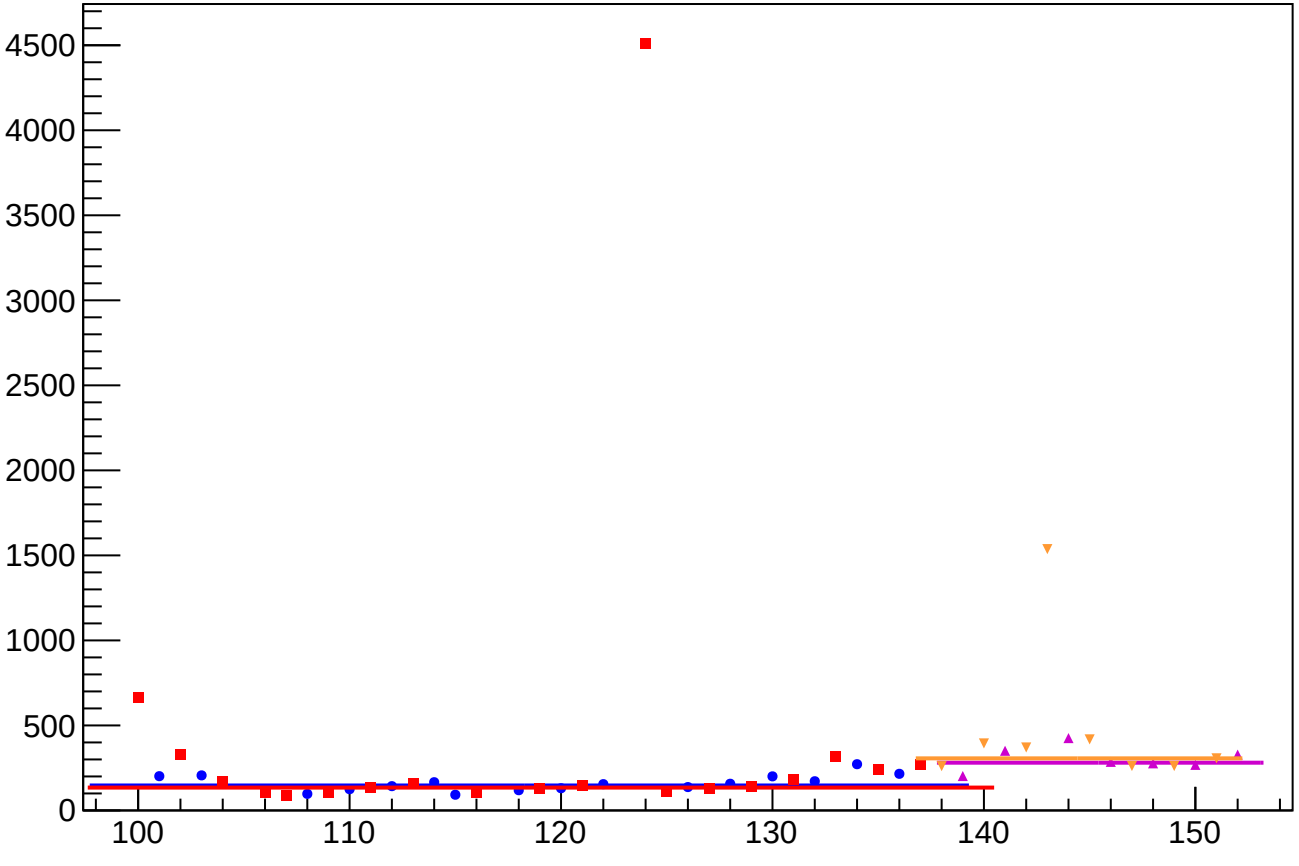
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.007+/-0.036 χ^2/NDF: 53.4/49

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: 280.884+/-0.083 χ^2/NDF:544153.6/6

Left: 292.172+/-0.062 χ^2/NDF: 1997537.0/14

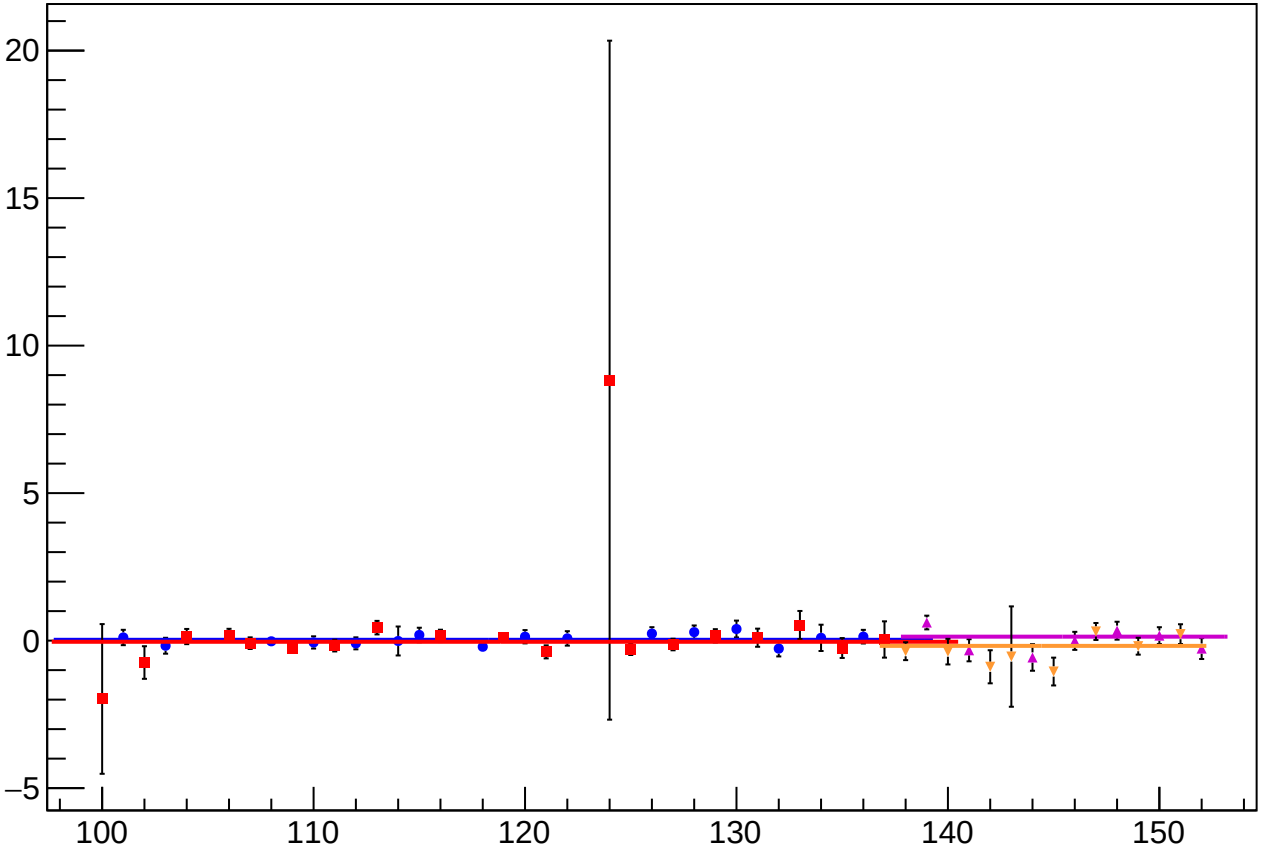
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 172.891+/-0.037 χ^2/NDF:3641488.3/22

Out: 159.792+/-0.036 χ^2/NDF:5915213.1/26

All: 166.188+/-0.026 χ^2/NDF: 9622179.4/49

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: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: -0.004+/-0.088 χ^2/NDF: 23.2/14

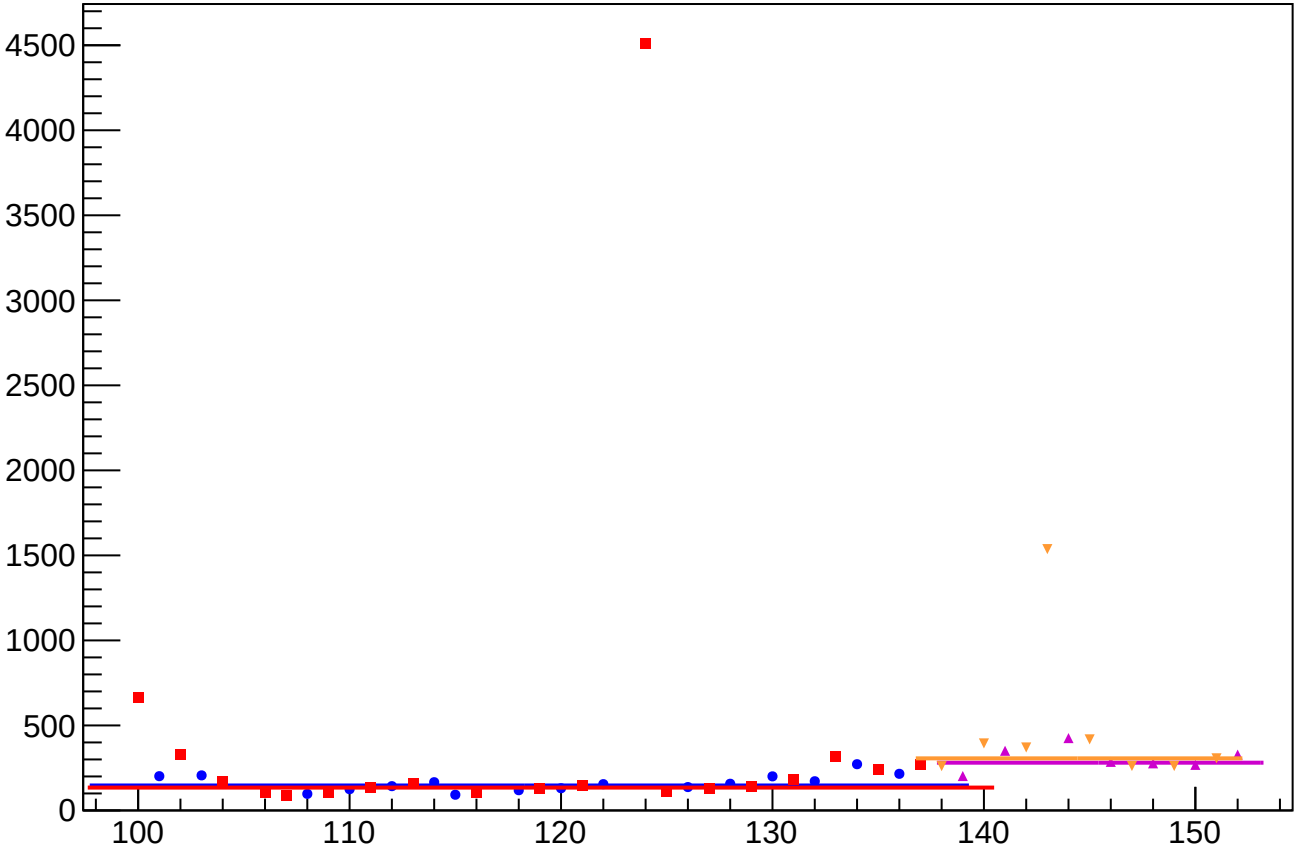
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.007+/-0.036 χ^2/NDF: 53.4/49

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: 280.884+/-0.083 χ^2/NDF:544153.6/6

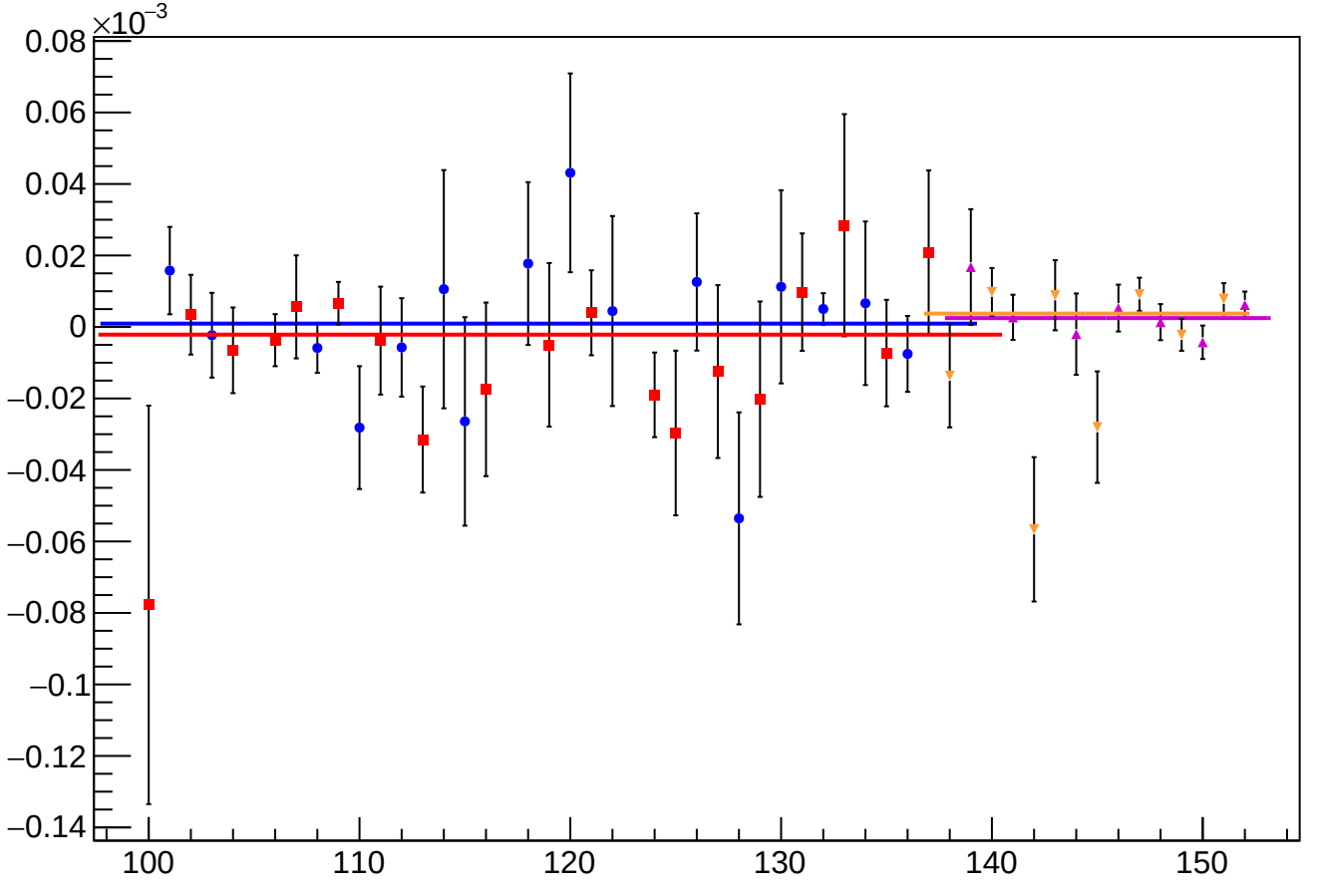
Left: 292.172+/-0.062 χ^2/NDF: 1997537.0/14

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 172.891+/-0.037 χ^2/NDF:3641488.3/22

Out: 159.792+/-0.036 χ^2/NDF:5915213.1/26

All: 166.188+/-0.026 χ^2/NDF: 9622179.4/49



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:4.2/6

Left: 0.000+/-0.000 χ^2/NDF: 24.1/14

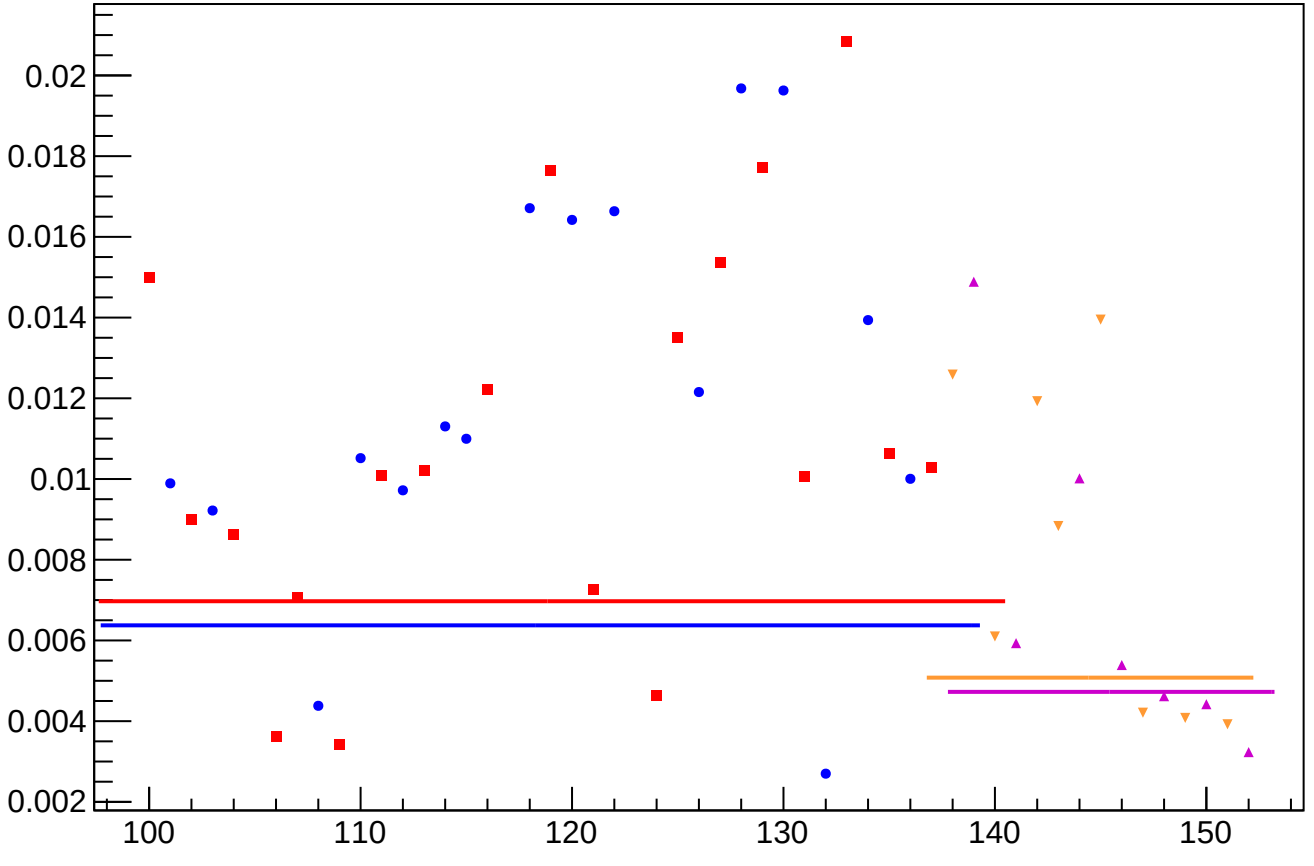
Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:19.3/22

Out: 0.000+/-0.000 χ^2/NDF:38.2/26

All: 0.000+/-0.000 χ^2/NDF: 57.4/49

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:1642592.5/6

Left: 0.005+/-0.000 χ^2/NDF: 3735676.8/14

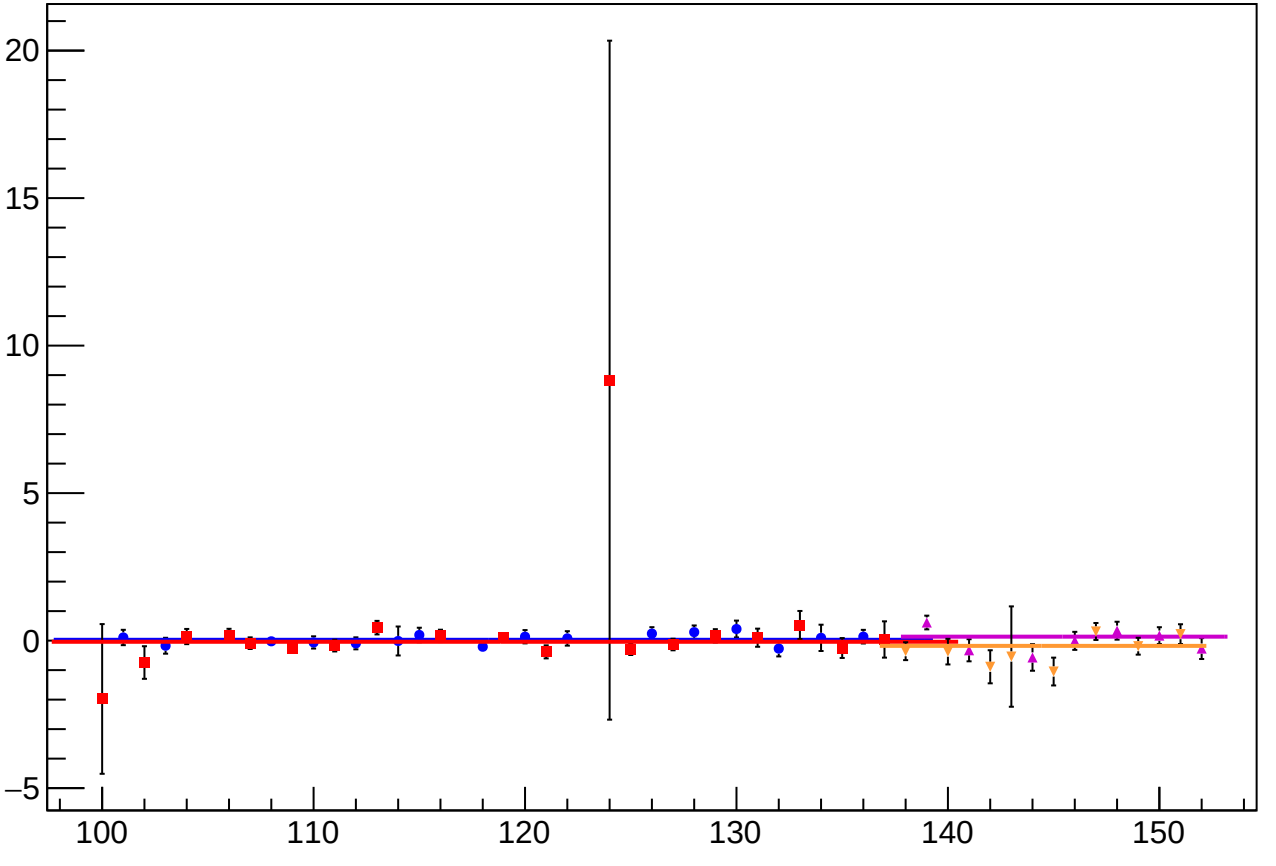
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:6694531.2/22

Out: 0.006+/-0.000 χ^2/NDF:5980677.1/26

All: 0.006+/-0.000 χ^2/NDF: 12742951.7/49

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: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: -0.004+/-0.088 χ^2/NDF: 23.2/14

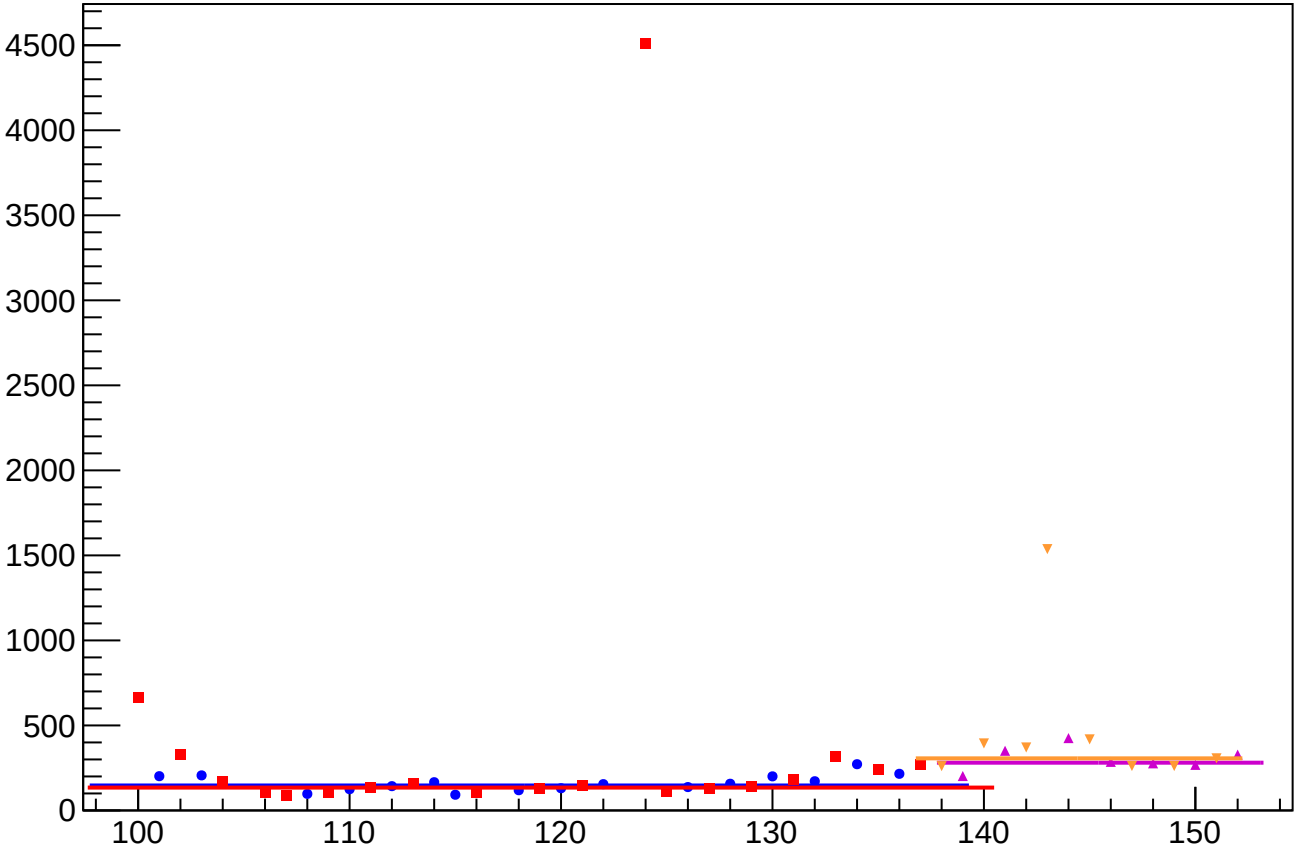
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.007+/-0.036 χ^2/NDF: 53.4/49

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: 280.888+/-0.083 χ^2/NDF:544132.6/6

Left: 292.176+/-0.062 χ^2/NDF: 1997511.2/14

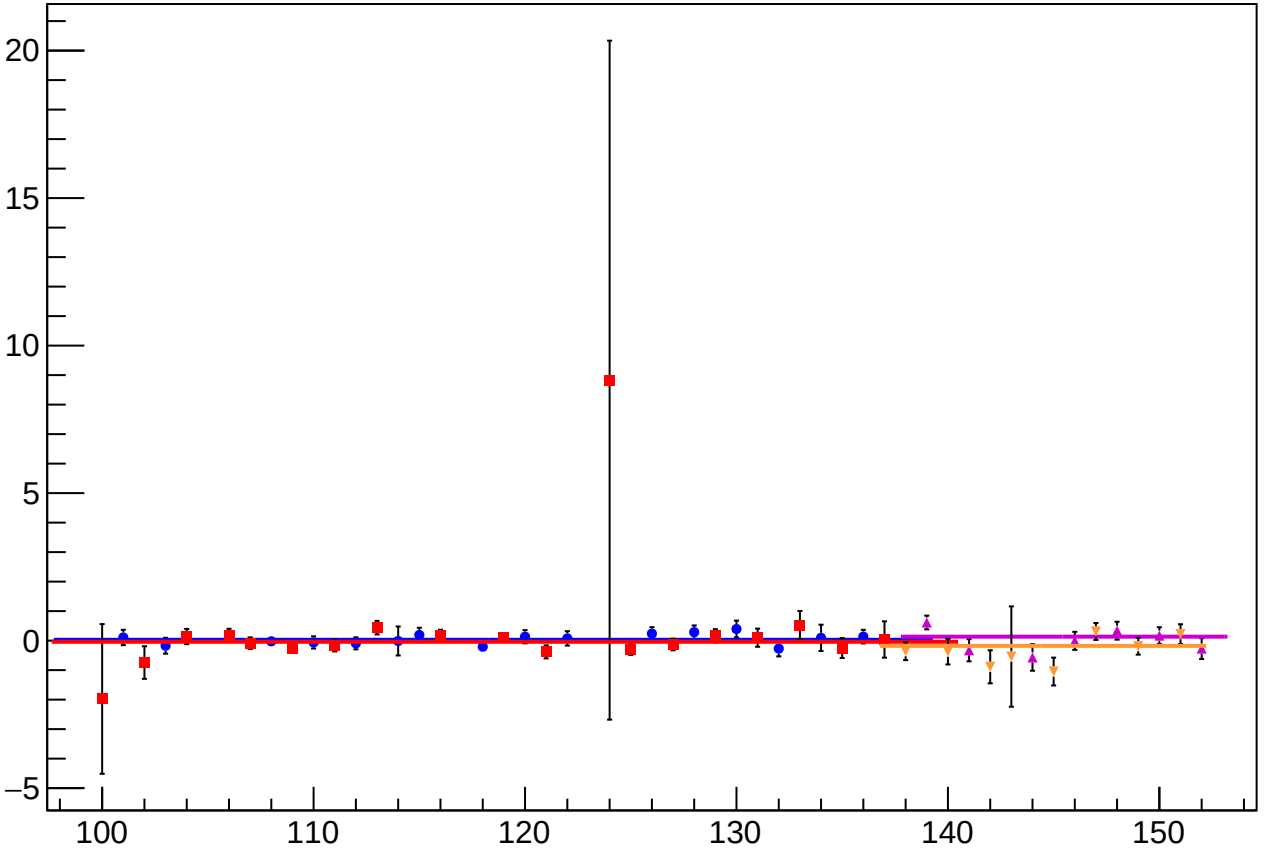
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 172.891+/-0.037 χ^2/NDF:3641488.5/22

Out: 159.793+/-0.036 χ^2/NDF:5915146.0/26

All: 166.189+/-0.026 χ^2/NDF: 9622098.8/49

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: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: -0.004+/-0.088 χ^2/NDF: 23.2/14

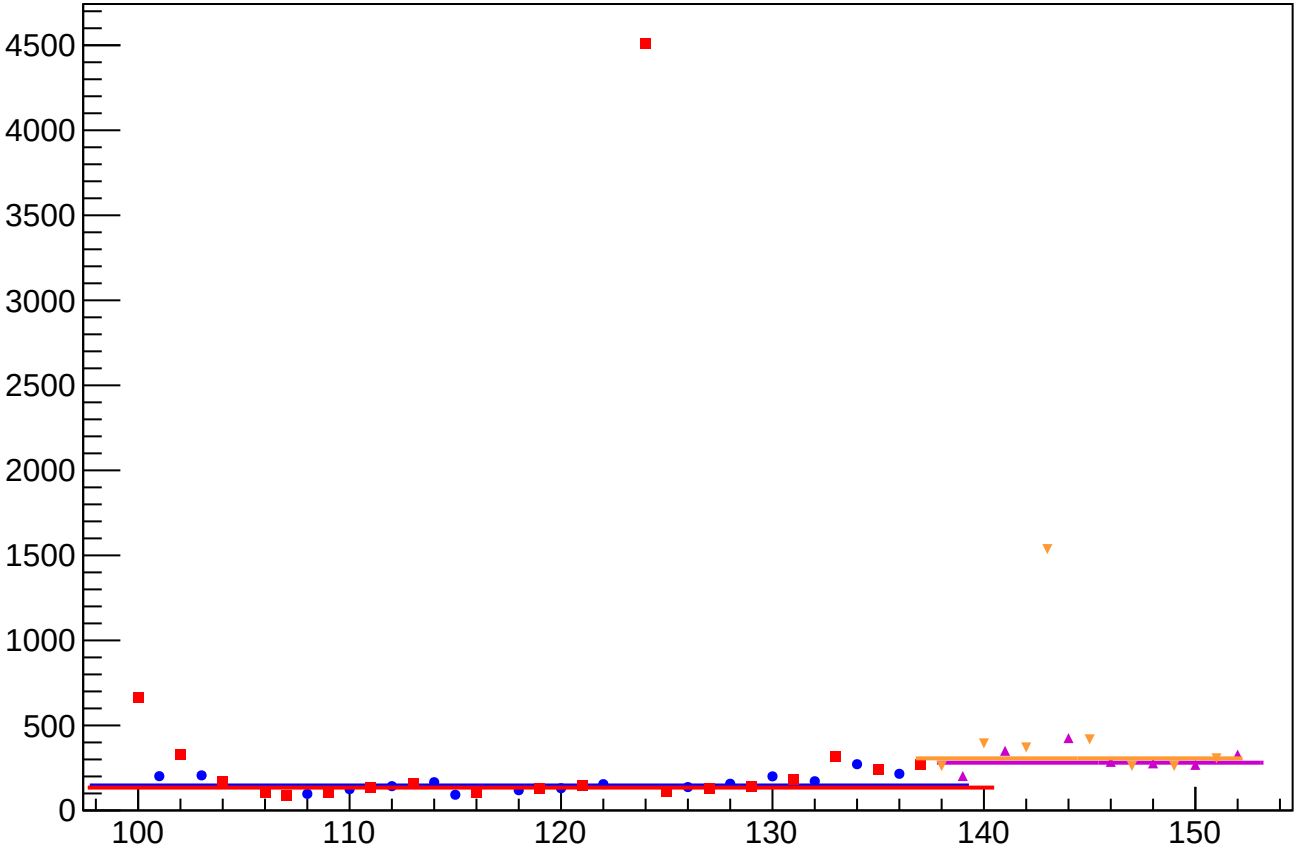
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.007+/-0.036 χ^2/NDF: 53.4/49

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: 280.888+/-0.083 χ^2/NDF:544132.6/6

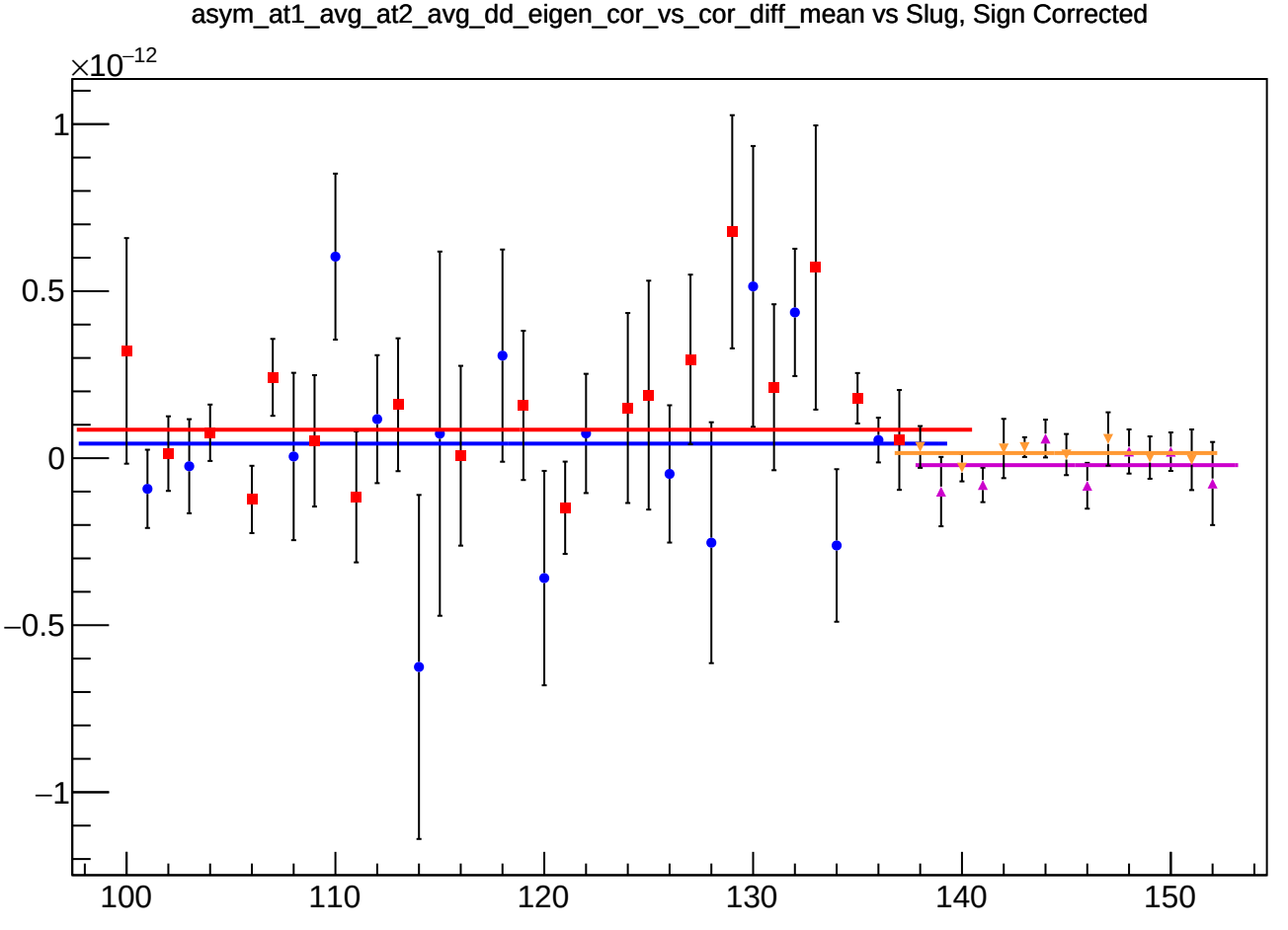
Left: 292.176+/-0.062 χ^2/NDF: 1997511.2/14

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 172.891+/-0.037 χ^2/NDF:3641488.5/22

Out: 159.793+/-0.036 χ^2/NDF:5915146.0/26

All: 166.189+/-0.026 χ^2/NDF: 9622098.8/49



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:5.8/6

Left: 0.000+/-0.000 χ^2/NDF: 9.1/14

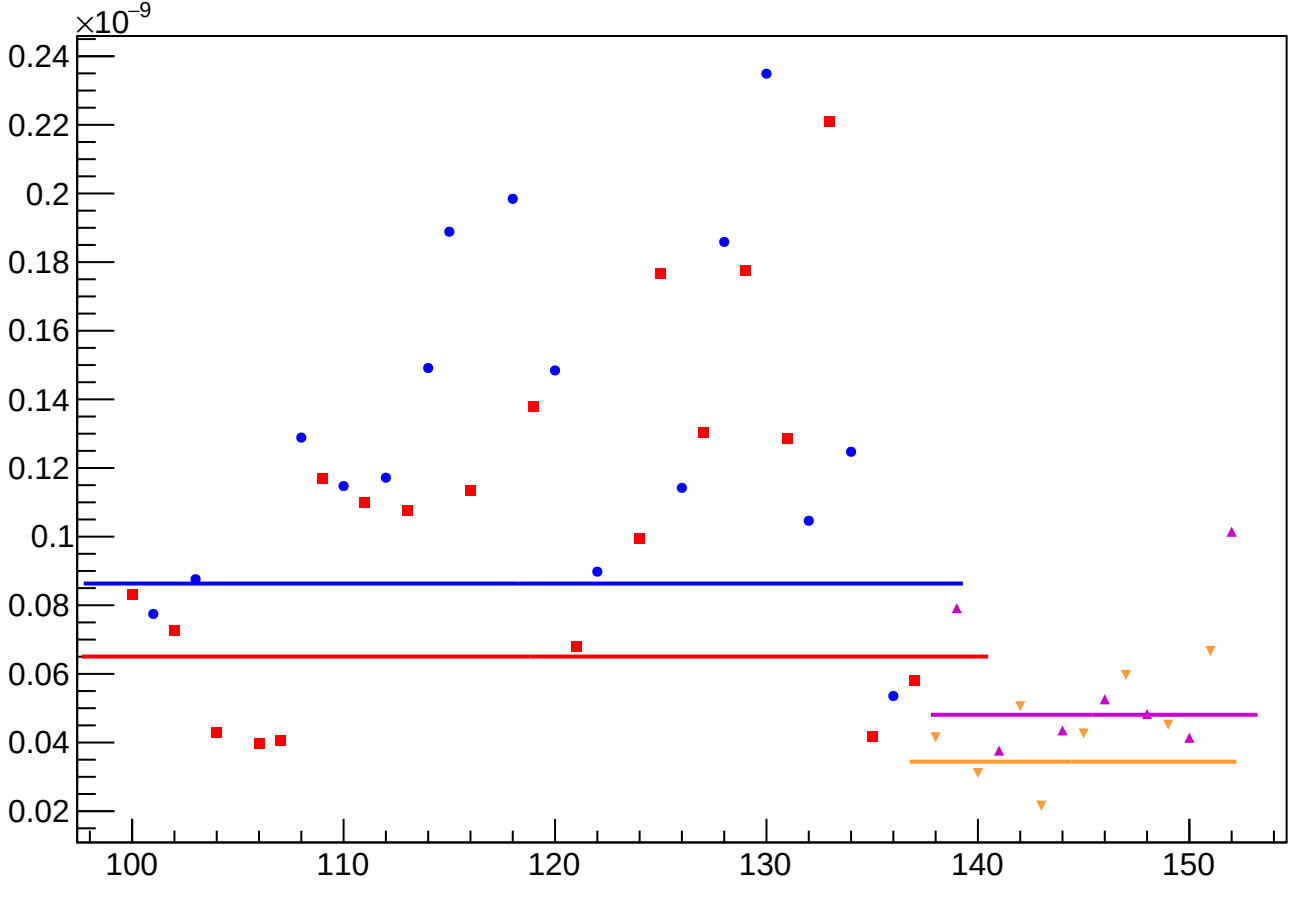
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.4/22

Out: 0.000+/-0.000 χ^2/NDF:23.4/26

All: 0.000+/-0.000 χ^2/NDF: 51.6/49

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:678131.0/6

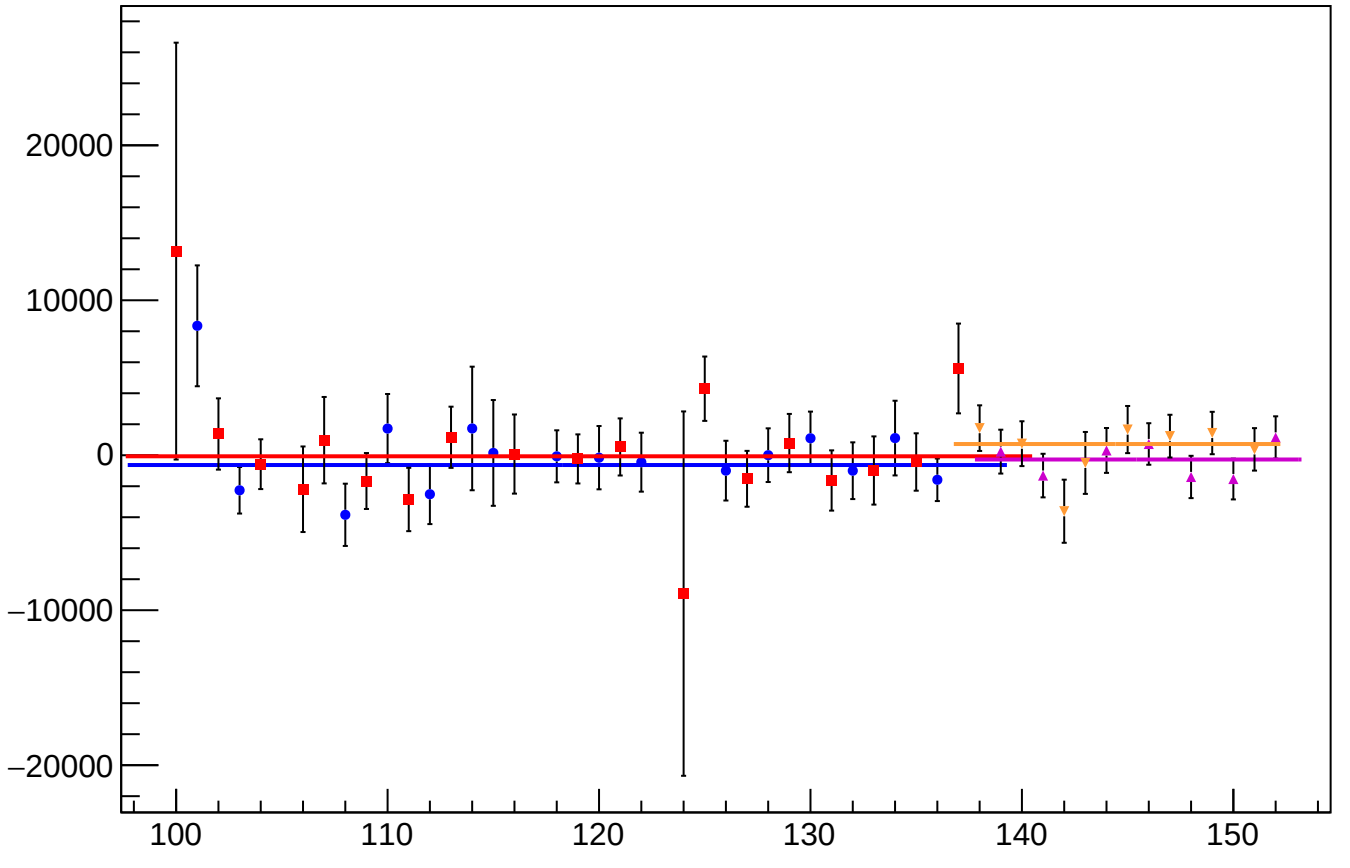
Left: 0.000+/-0.000 χ^2/NDF: 2088002.7/14

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3434958.0/22

Out: 0.000+/-0.000 χ^2/NDF:4423556.7/26

All: 0.000+/-0.000 χ^2/NDF: 8602072.4/49



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: -274.938+/-520.586 χ^2/NDF:4.1/6

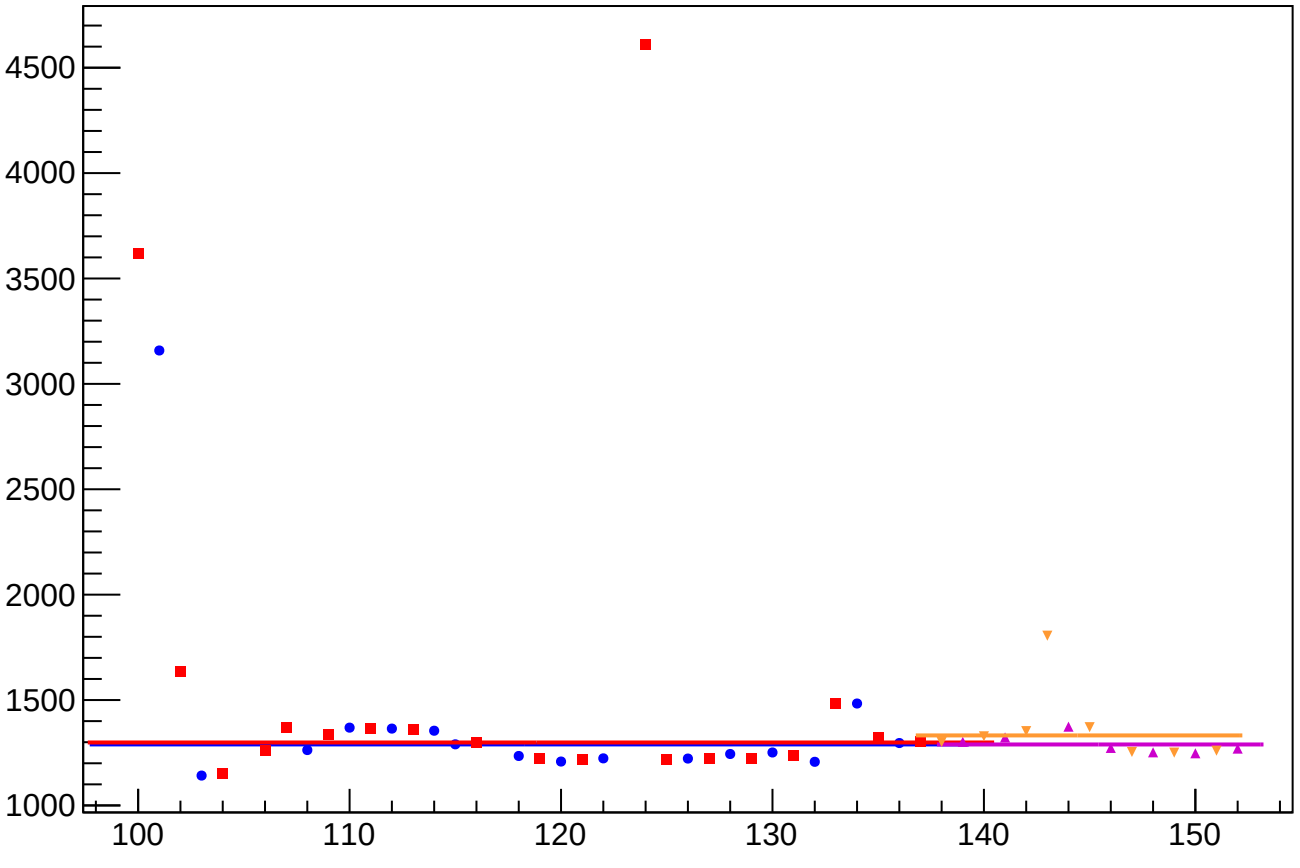
Left: 208.152+/-374.068 χ^2/NDF: 12.1/14

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -464.242+/-356.288 χ^2/NDF:18.2/22

Out: 289.526+/-361.316 χ^2/NDF:23.3/26

All: -92.639+/-253.693 χ^2/NDF: 43.7/49



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: 1289.223+/-0.368 χ^2/NDF:12310.3/6

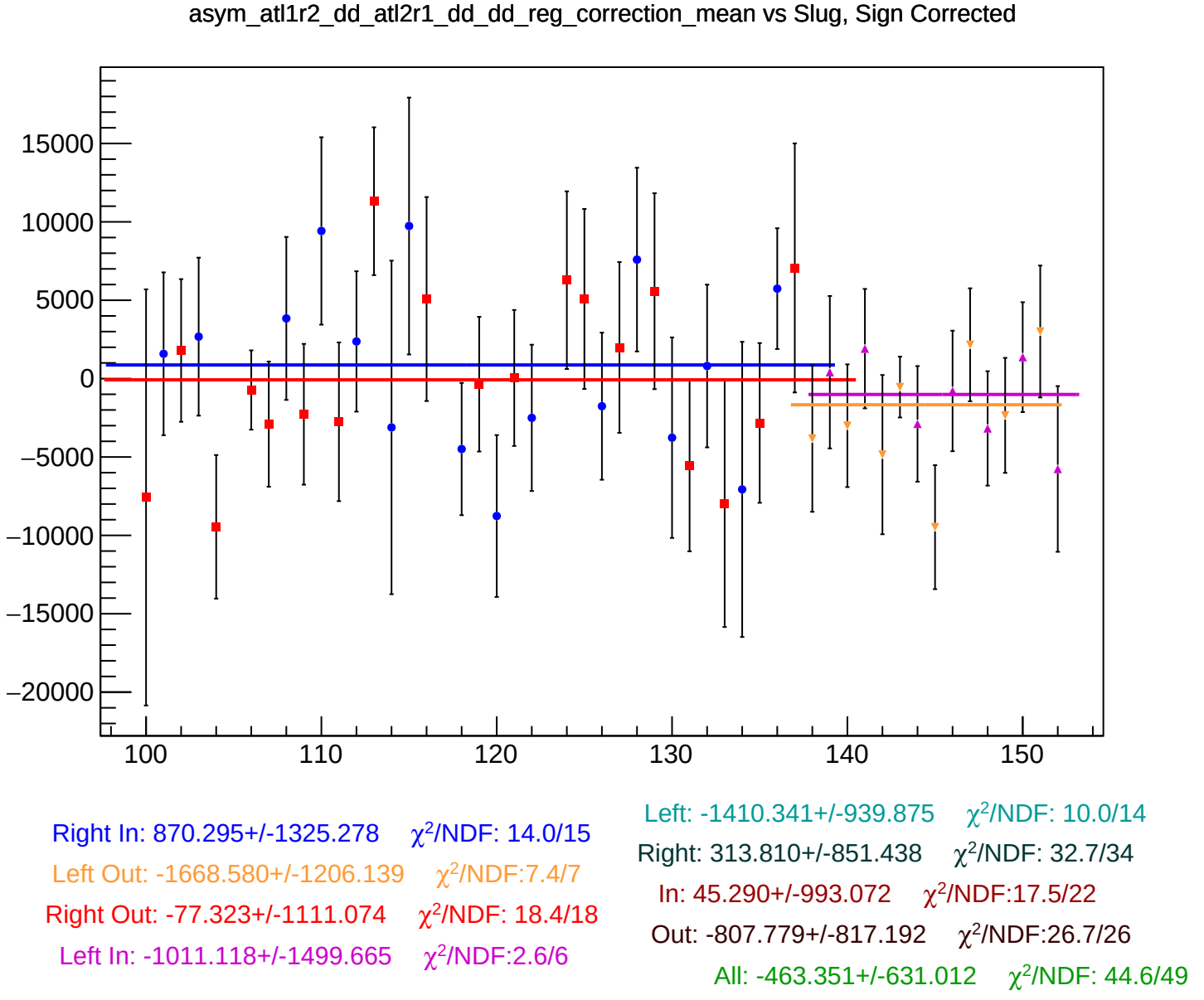
Left: 1310.004+/-0.265 χ^2/NDF: 152652.2/14

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

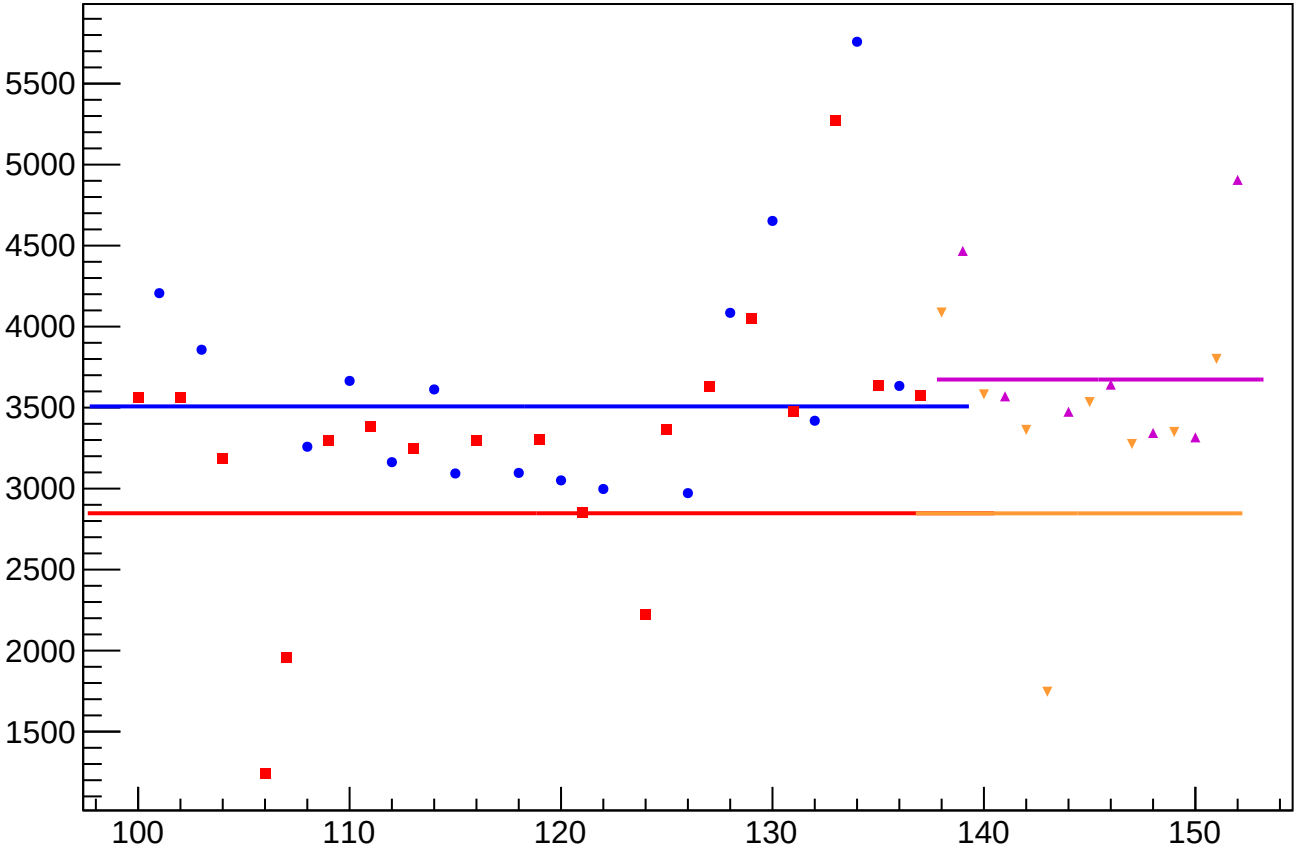
In: 1289.352+/-0.252 χ^2/NDF:526985.6/22

Out: 1313.744+/-0.255 χ^2/NDF:457403.1/26

All: 1301.395+/-0.179 χ^2/NDF: 989016.6/49


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: -1011.118+/-1499.665 χ²/NDF:2.6/6
Left: -1410.341+/-939.875 χ²/NDF: 10.0/14
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 45.290+/-993.072 χ²/NDF:17.5/22
Out: -807.779+/-817.192 χ²/NDF:26.7/26
All: -463.351+/-631.012 χ²/NDF: 44.6/49

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: 3673.333+/-1.060 χ^2/NDF:206565.8/6

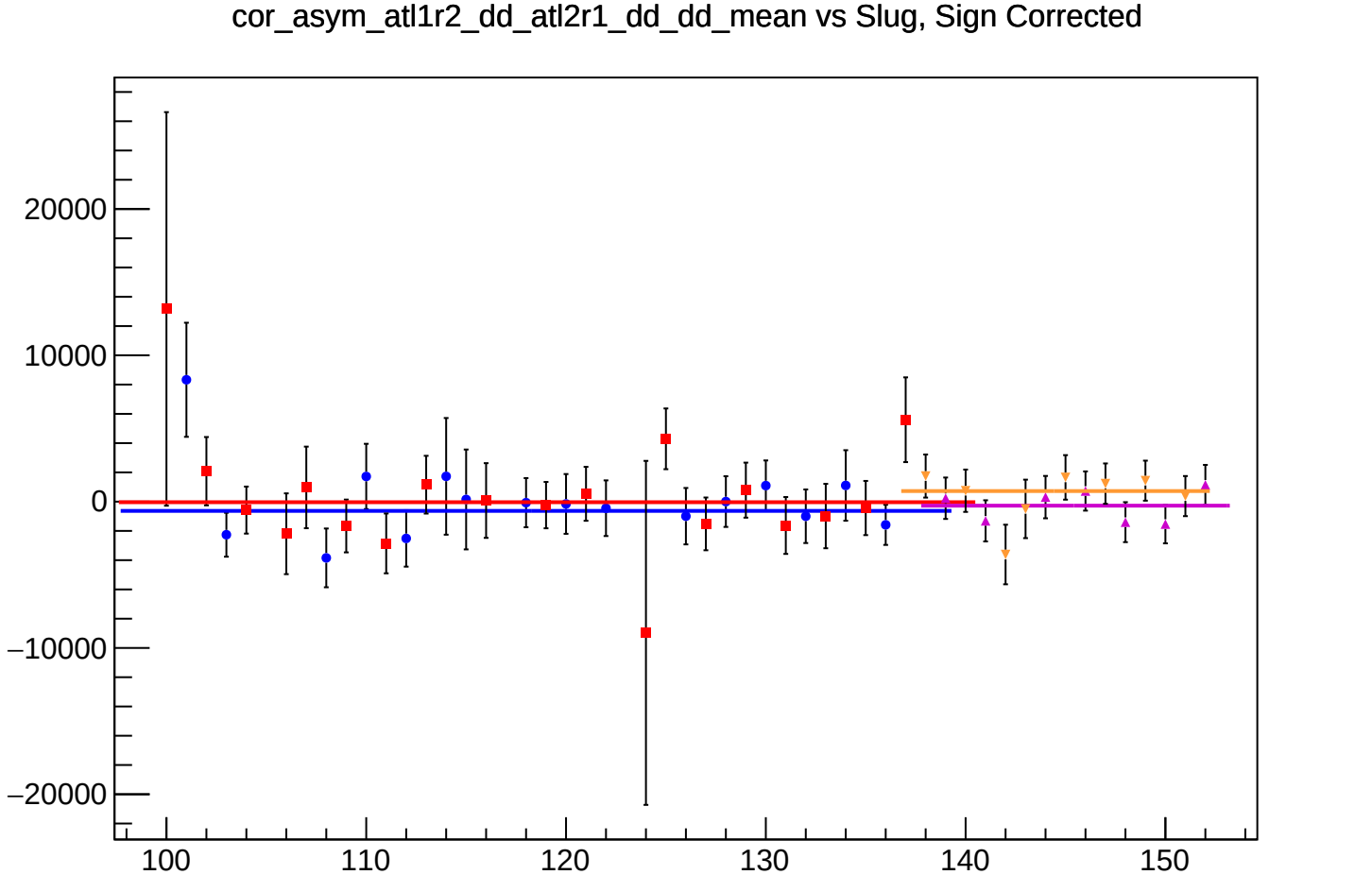
Left: 3171.757+/-0.665 χ^2/NDF: 1680182.8/14

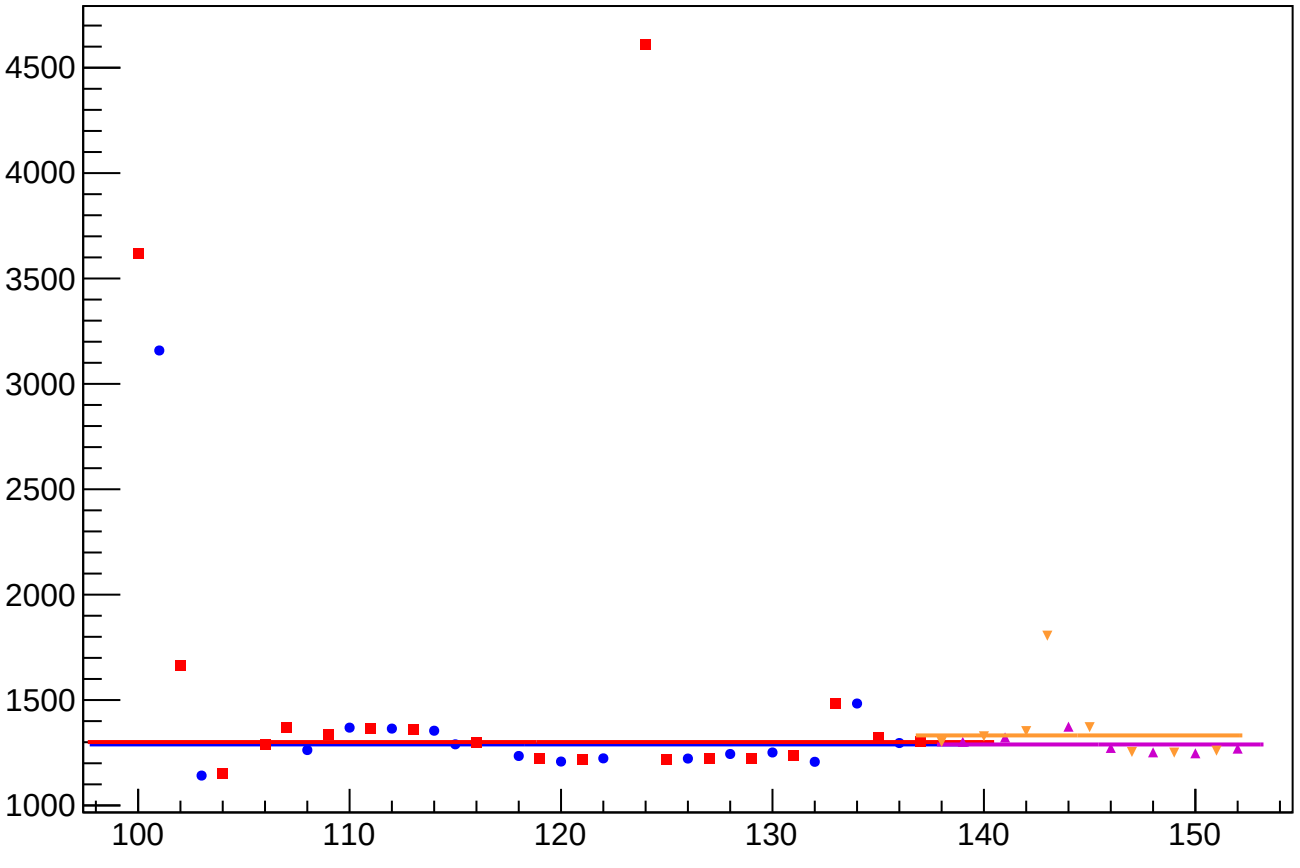
Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3580.160+/-0.702 χ^2/NDF:574293.8/22

Out: 2847.593+/-0.578 χ^2/NDF:2604549.0/26

All: 3143.368+/-0.446 χ^2/NDF: 3827761.8/49


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: -274.899+/-520.586 χ²/NDF:4.1/6
Left: 208.157+/-374.068 χ²/NDF: 12.1/14
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -464.428+/-356.288 χ²/NDF:18.2/22
Out: 305.686+/-361.448 χ²/NDF:23.7/26
All: -84.907+/-253.738 χ²/NDF: 44.2/49



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: 1289.223+/-0.368 χ^2/NDF:12310.3/6

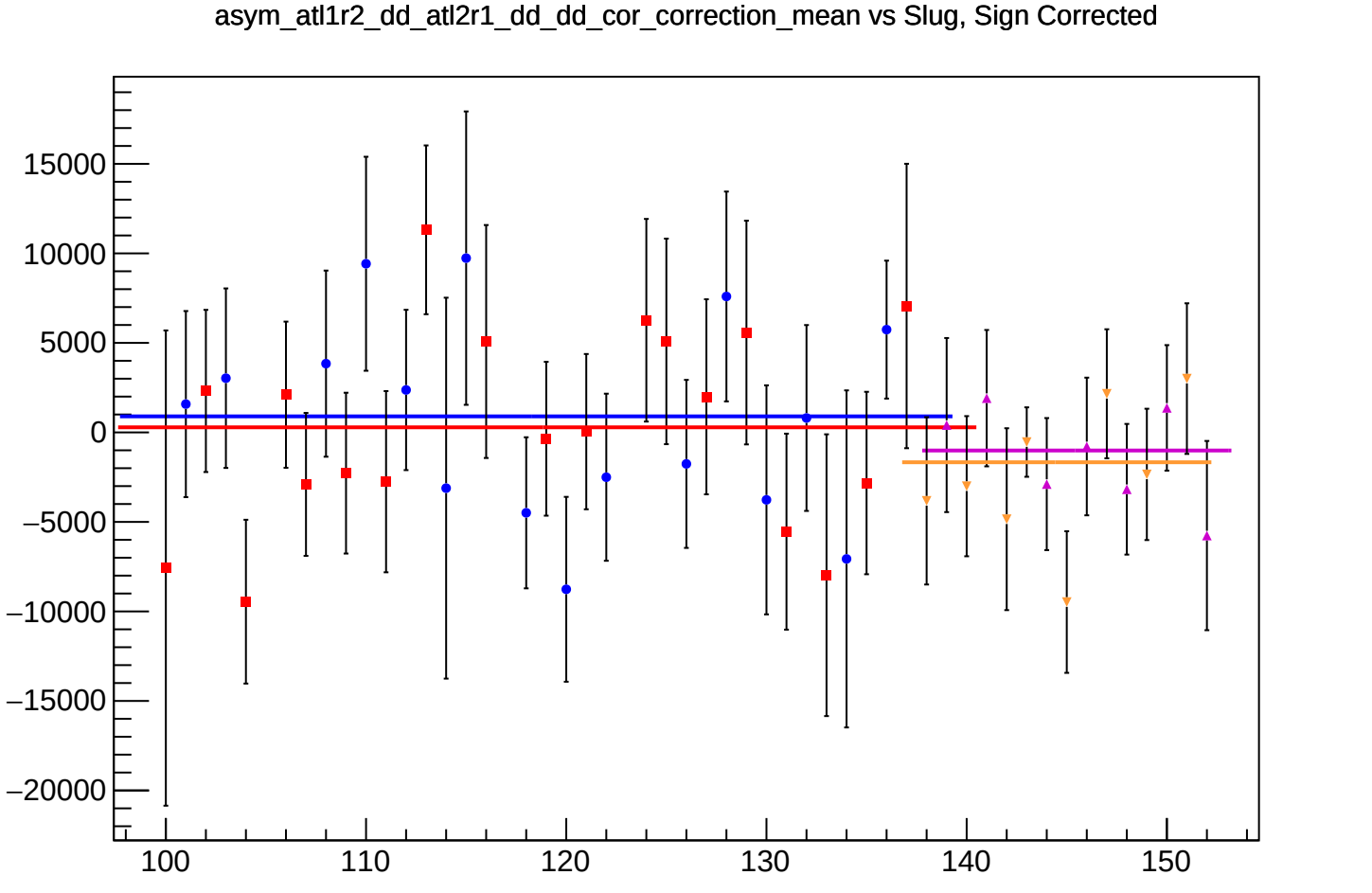
Left: 1310.004+/-0.265 χ^2/NDF: 152652.2/14

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.352+/-0.252 χ^2/NDF:526987.0/22

Out: 1314.882+/-0.255 χ^2/NDF:463429.4/26

All: 1301.946+/-0.179 χ^2/NDF: 995482.2/49



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: -1011.150+/-1499.663 χ^2/NDF:2.6/6

Left: -1410.308+/-939.873 χ^2/NDF: 10.0/14

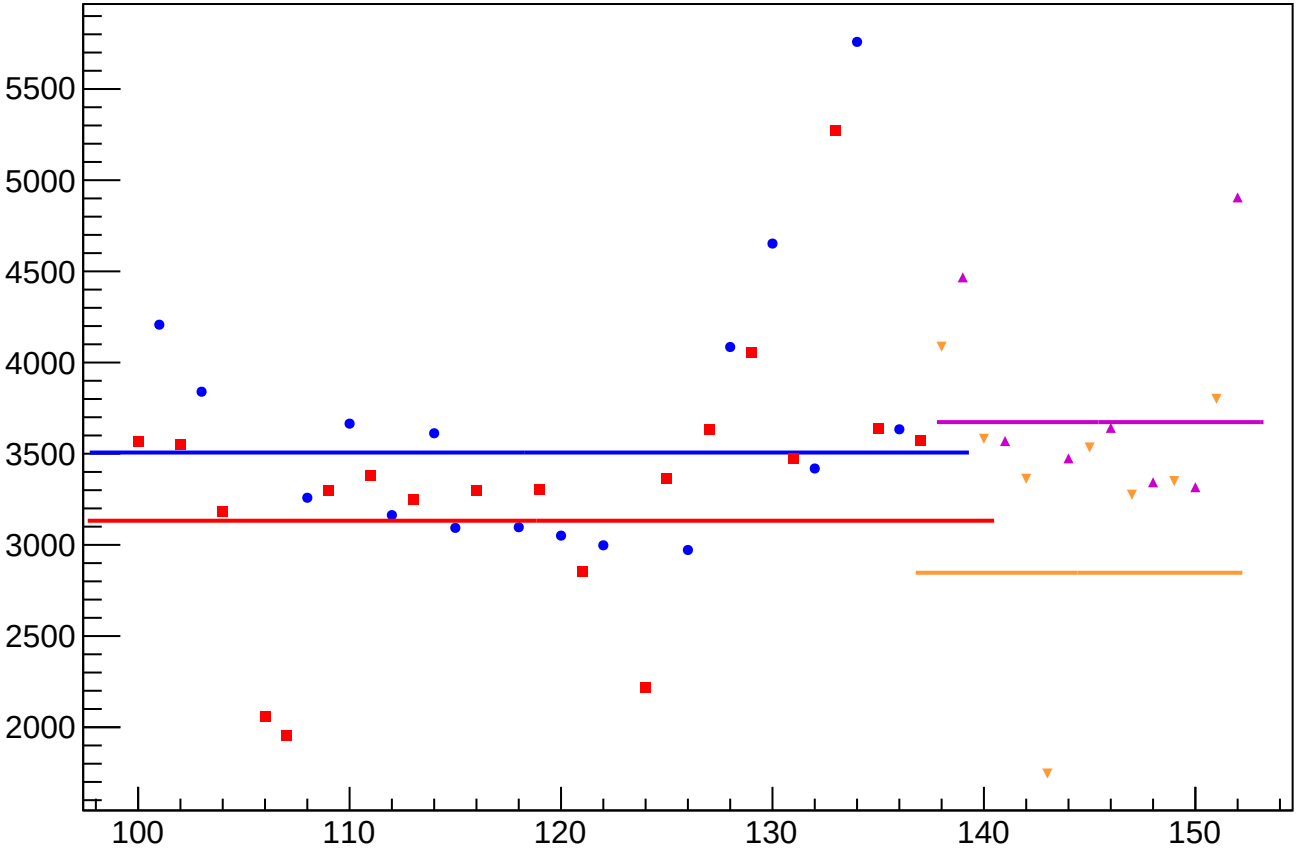
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 60.039+/-992.880 χ^2/NDF:17.6/22

Out: -673.506+/-844.631 χ^2/NDF:27.3/26

All: -365.533+/-643.339 χ^2/NDF: 45.2/49

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2847.301+/-0.853 χ^2/NDF:1105194.9/7

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

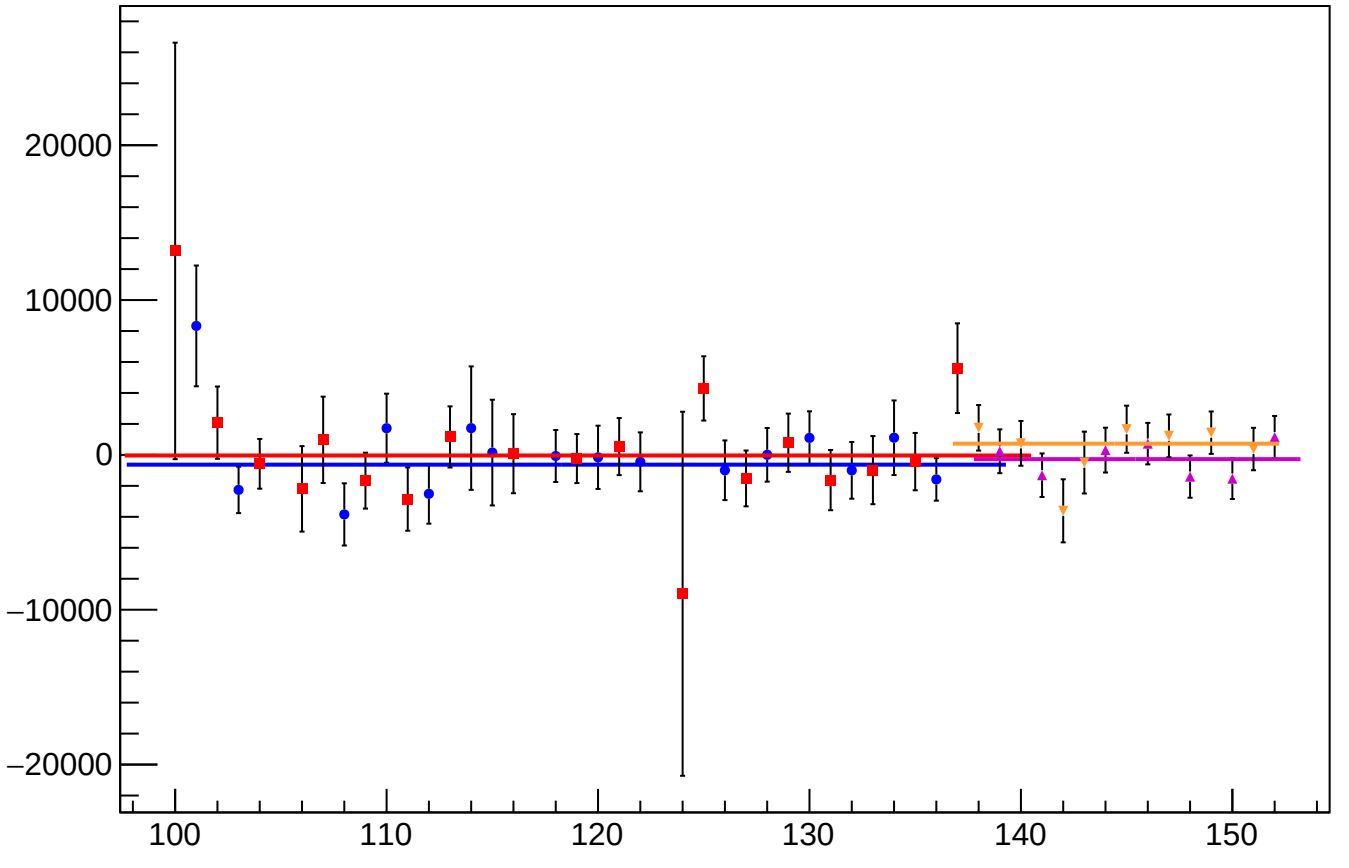
Left: 3171.749+/-0.665 χ^2/NDF: 1680208.8/14

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3579.617+/-0.702 χ^2/NDF:573707.8/22

Out: 2992.685+/-0.597 χ^2/NDF:1811827.0/26

All: 3239.104+/-0.455 χ^2/NDF: 2791004.1/49



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: -274.899+/-520.586 χ^2/NDF:4.1/6

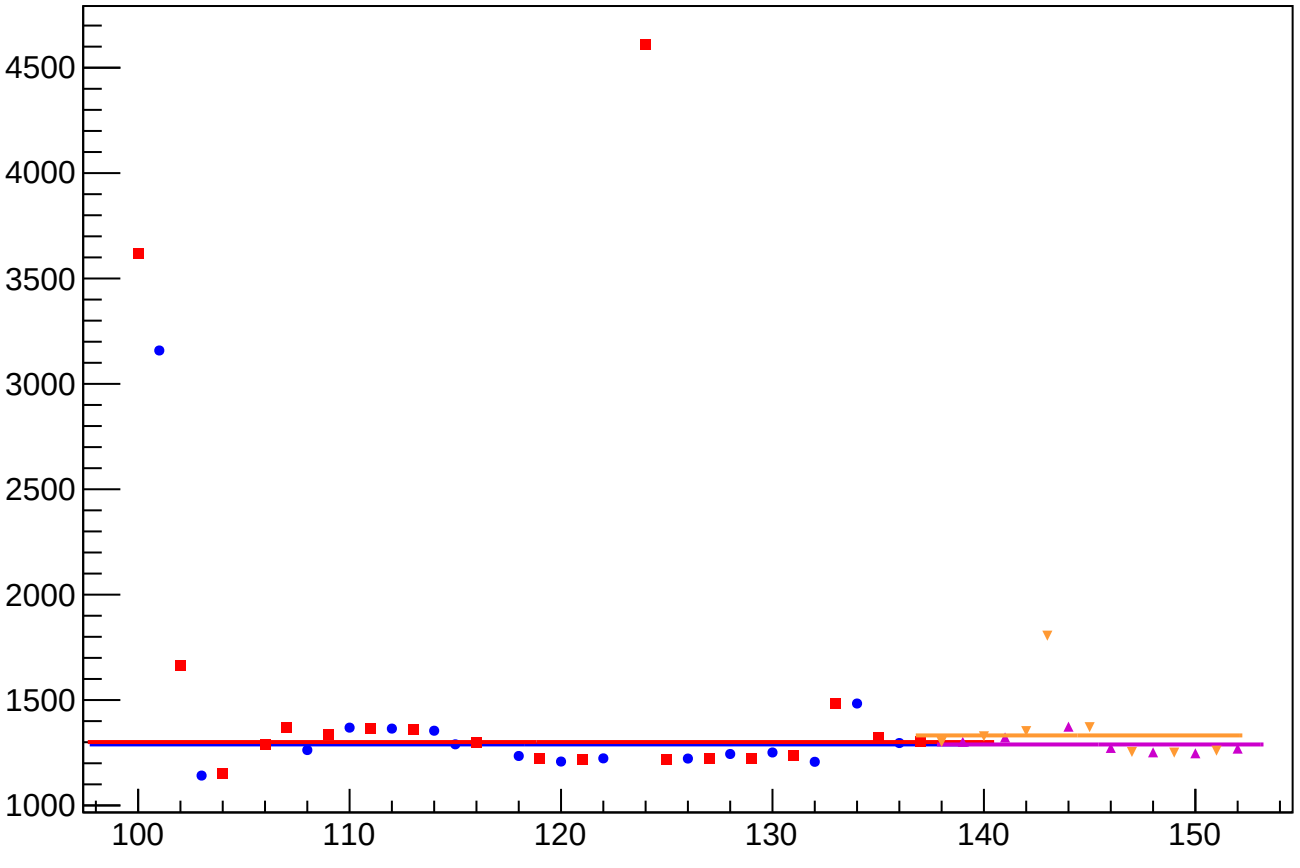
Left: 208.157+/-374.068 χ^2/NDF: 12.1/14

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -464.428+/-356.288 χ^2/NDF:18.2/22

Out: 305.686+/-361.448 χ^2/NDF:23.7/26

All: -84.907+/-253.738 χ^2/NDF: 44.2/49



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: 1289.223+/-0.368 χ^2/NDF:12310.3/6

Left: 1310.004+/-0.265 χ^2/NDF: 152652.2/14

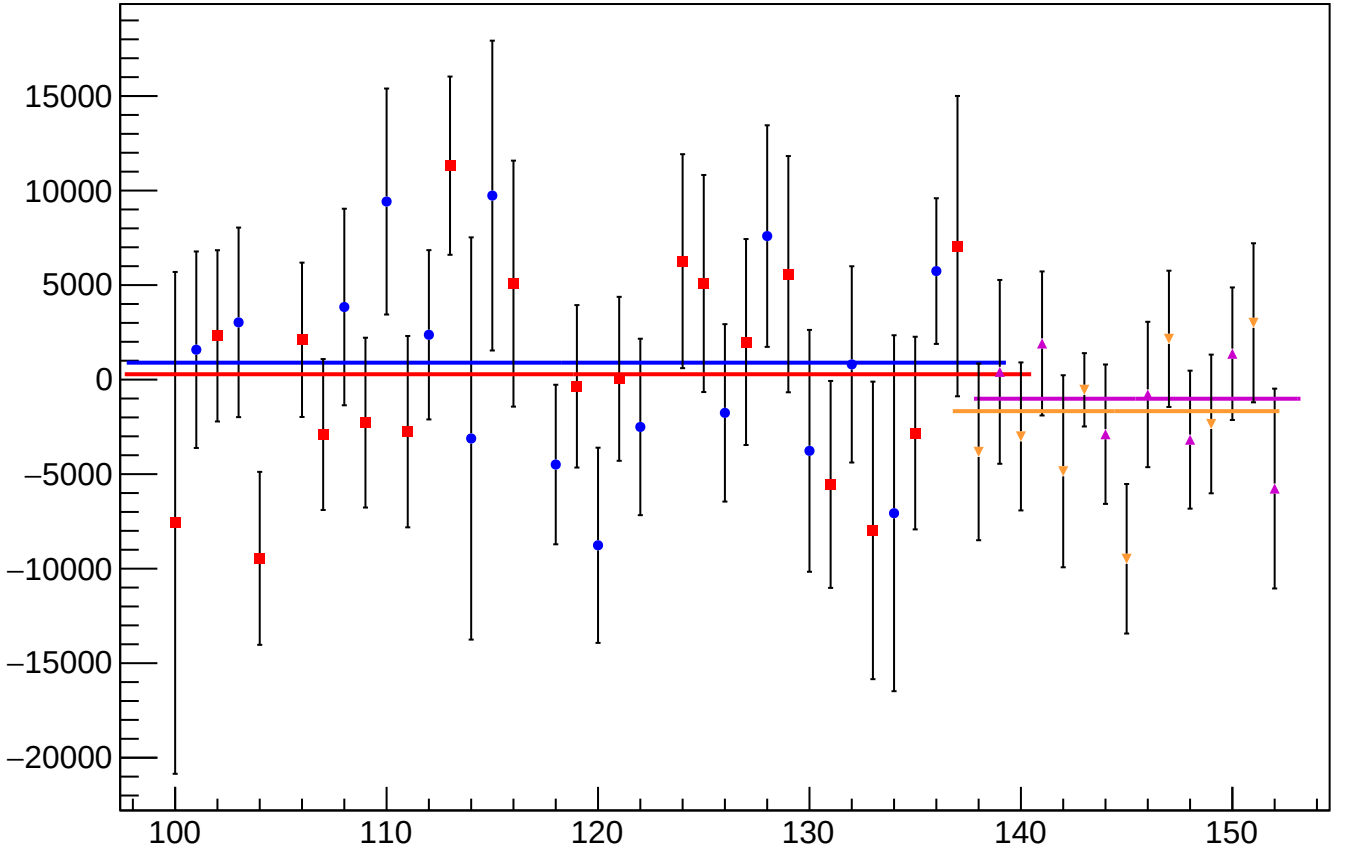
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.352+/-0.252 χ^2/NDF:526987.0/22

Out: 1314.882+/-0.255 χ^2/NDF:463429.4/26

All: 1301.946+/-0.179 χ^2/NDF: 995482.2/49

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: -1011.150+/-1499.663 χ^2/NDF:2.6/6

Left: -1410.308+/-939.873 χ^2/NDF: 10.0/14

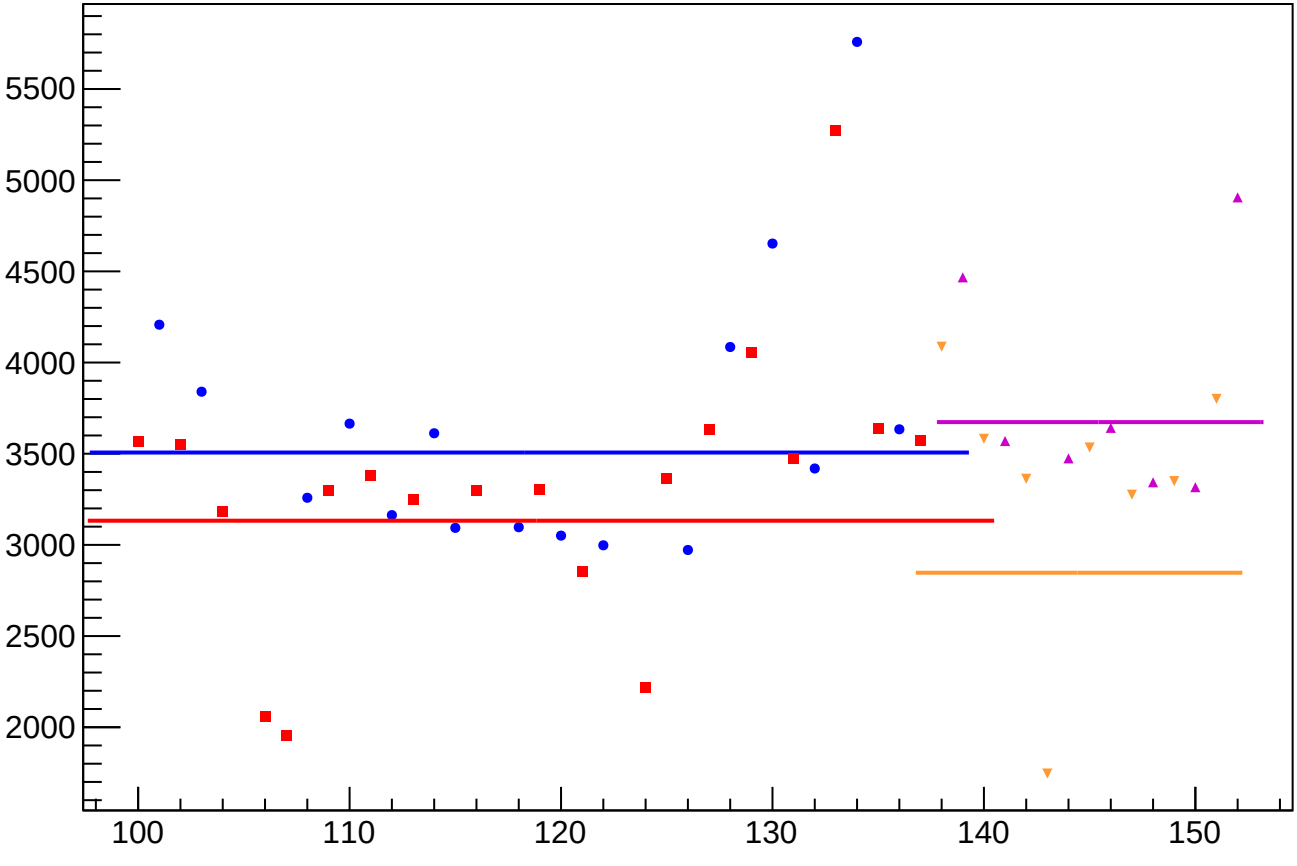
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 60.039+/-992.880 χ^2/NDF:17.6/22

Out: -673.506+/-844.631 χ^2/NDF:27.3/26

All: -365.533+/-643.339 χ^2/NDF: 45.2/49

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: 3673.328+/-1.060 χ^2/NDF:206566.1/6

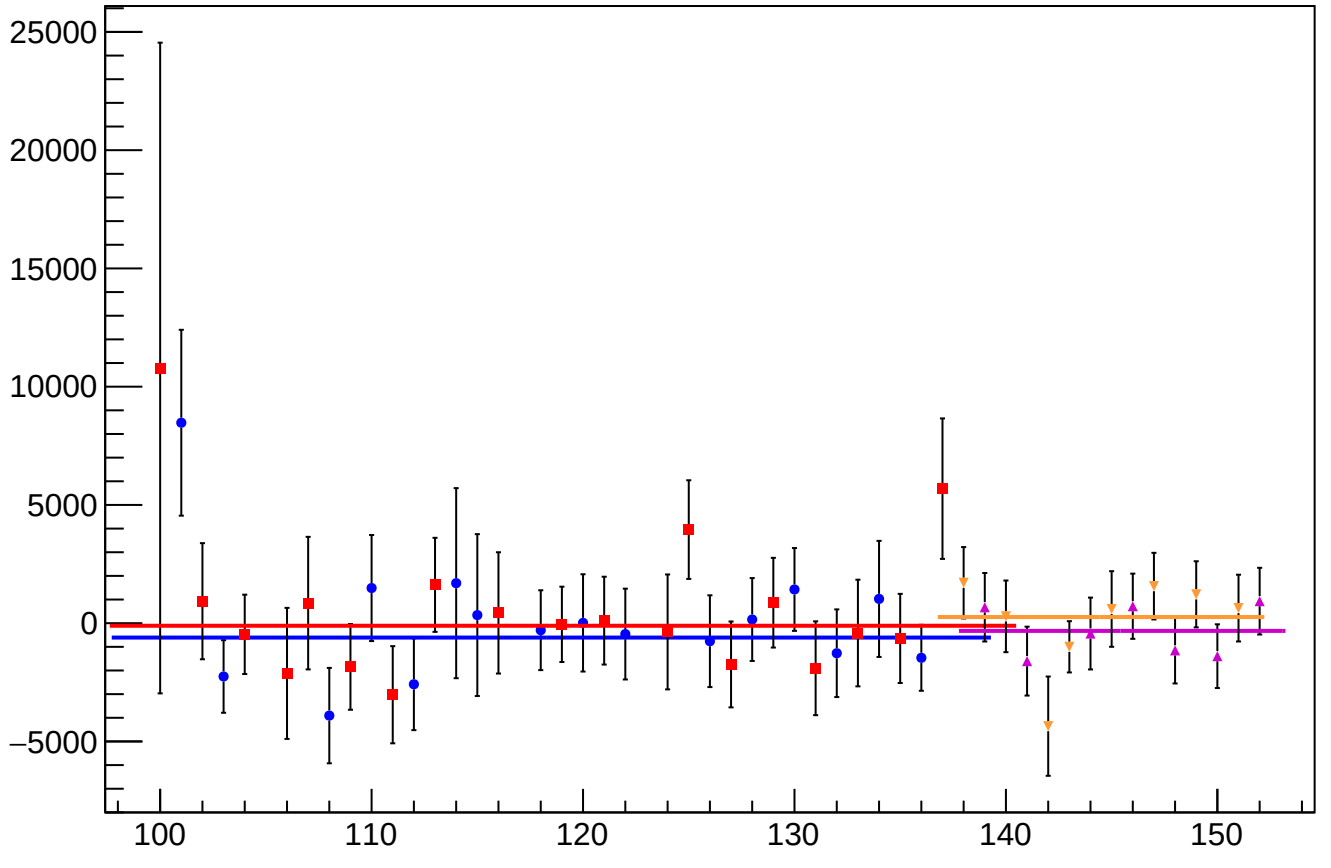
Left: 3171.749+/-0.665 χ^2/NDF: 1680208.8/14

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3579.617+/-0.702 χ^2/NDF:573707.8/22

Out: 2992.685+/-0.597 χ^2/NDF:1811827.0/26

All: 3239.104+/-0.455 χ^2/NDF: 2791004.1/49



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: -326.169+/-536.661 χ^2/NDF:3.6/6

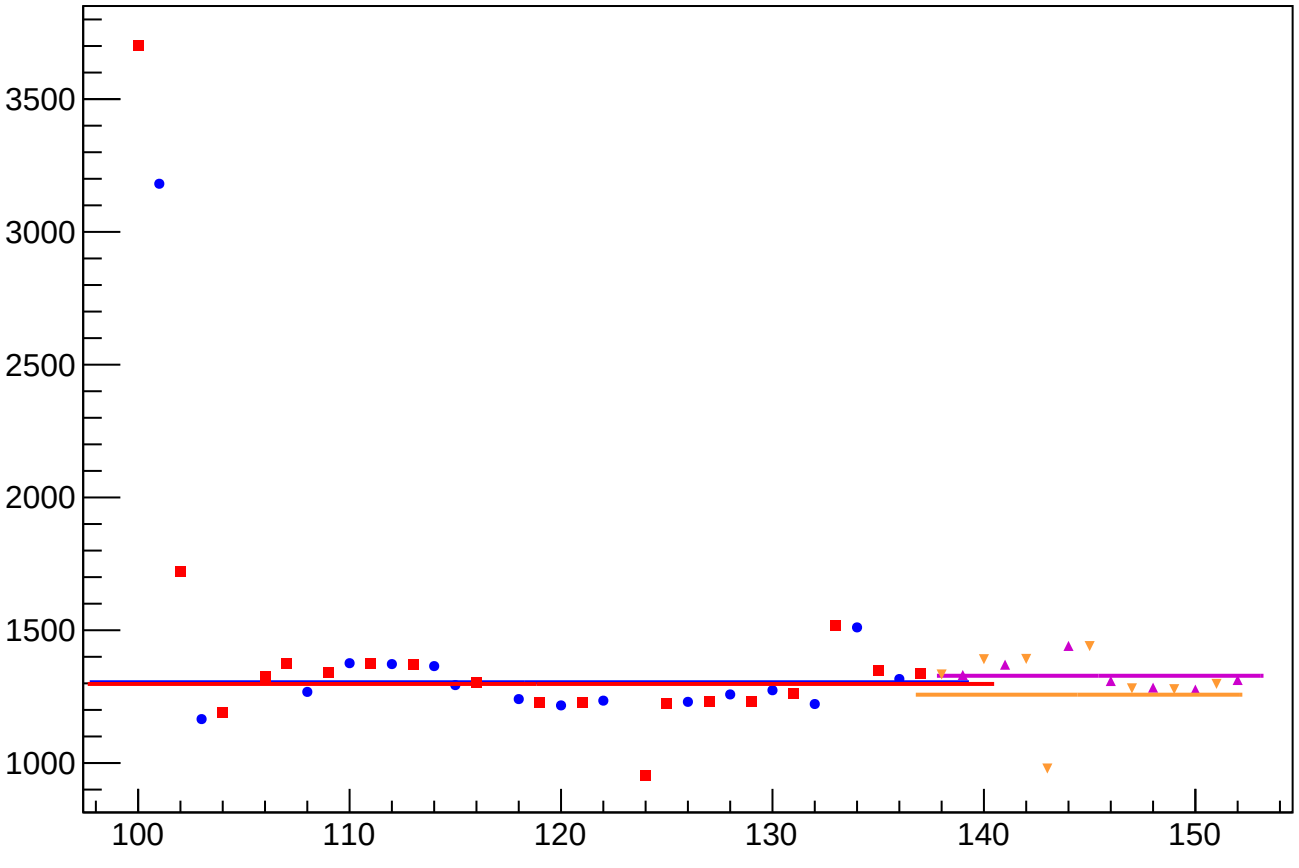
Left: -17.252+/-369.268 χ^2/NDF: 12.8/14

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -478.587+/-363.531 χ^2/NDF:17.8/22

Out: 67.296+/-351.299 χ^2/NDF:23.7/26

All: -196.307+/-252.619 χ^2/NDF: 42.7/49



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: 1328.595+/-0.379 χ^2/NDF:18306.6/6

Left: 1291.072+/-0.261 χ^2/NDF: 226208.8/14

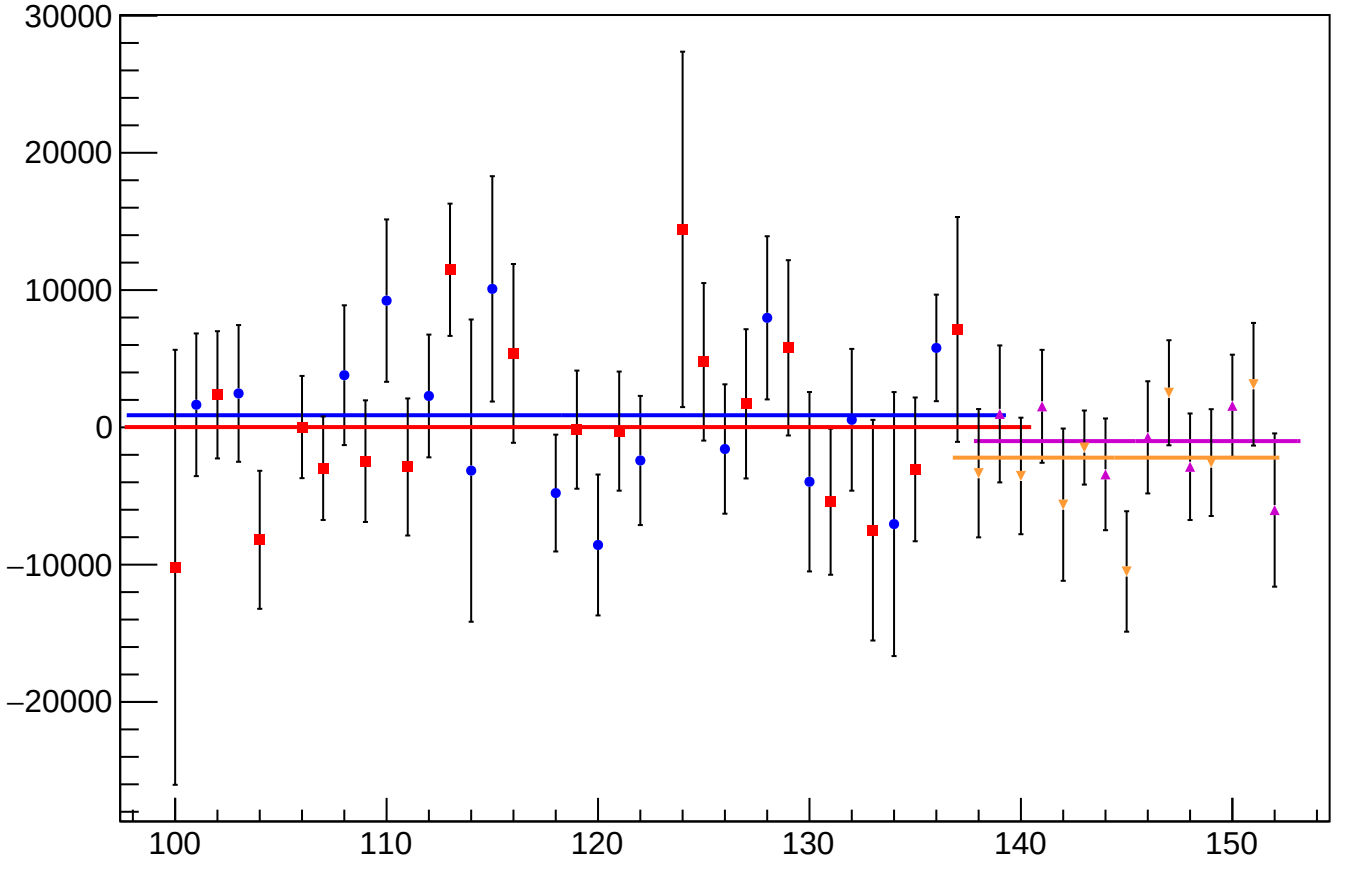
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1315.341+/-0.257 χ^2/NDF:531150.3/22

Out: 1278.528+/-0.248 χ^2/NDF:409053.9/26

All: 1296.298+/-0.179 χ^2/NDF: 950813.5/49

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: -1000.552+/-1600.800 χ^2/NDF:2.4/6

Left: -1682.098+/-1055.303 χ^2/NDF: 9.9/14

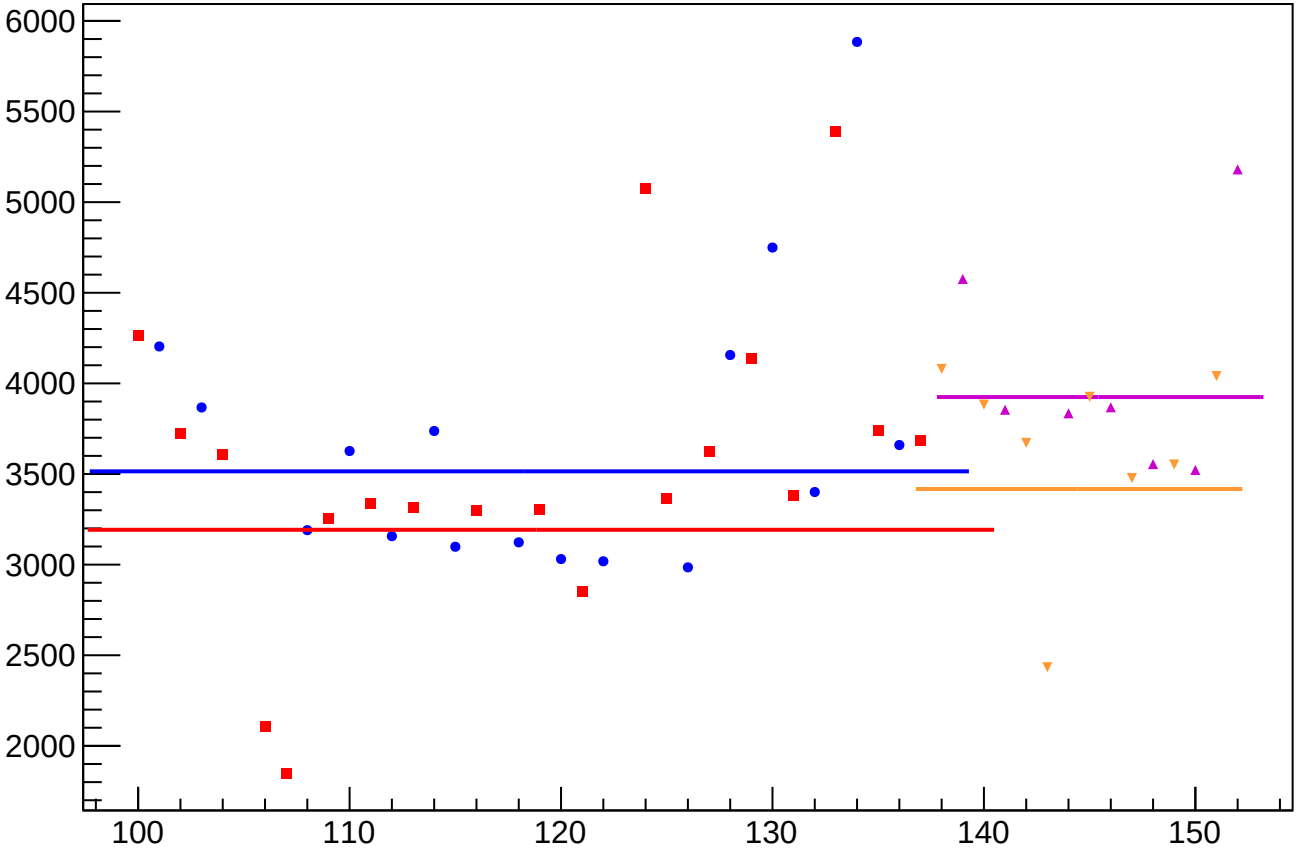
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 116.195+/-1021.805 χ^2/NDF:17.4/22

Out: -919.707+/-912.062 χ^2/NDF:25.4/26

All: -460.353+/-680.429 χ^2/NDF: 43.4/49

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: 3924.685+/-1.132 χ^2/NDF:178886.7/6

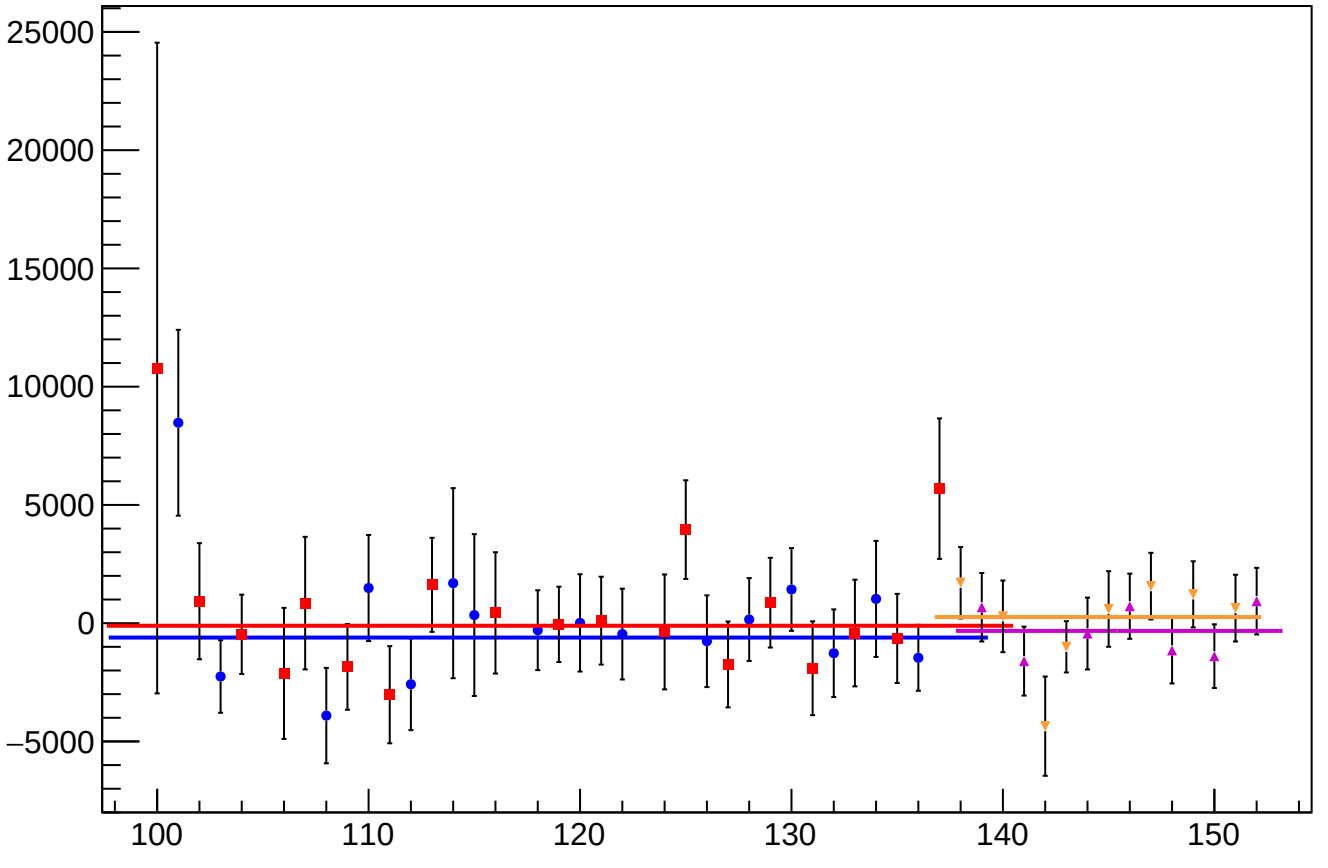
Left: 3637.799+/-0.746 χ^2/NDF: 695423.7/14

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3681.771+/-0.723 χ^2/NDF:631684.5/22

Out: 3287.266+/-0.645 χ^2/NDF:1205141.9/26

All: 3462.203+/-0.481 χ^2/NDF: 2002752.8/49



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: -326.168+/-536.661 χ^2/NDF:3.6/6

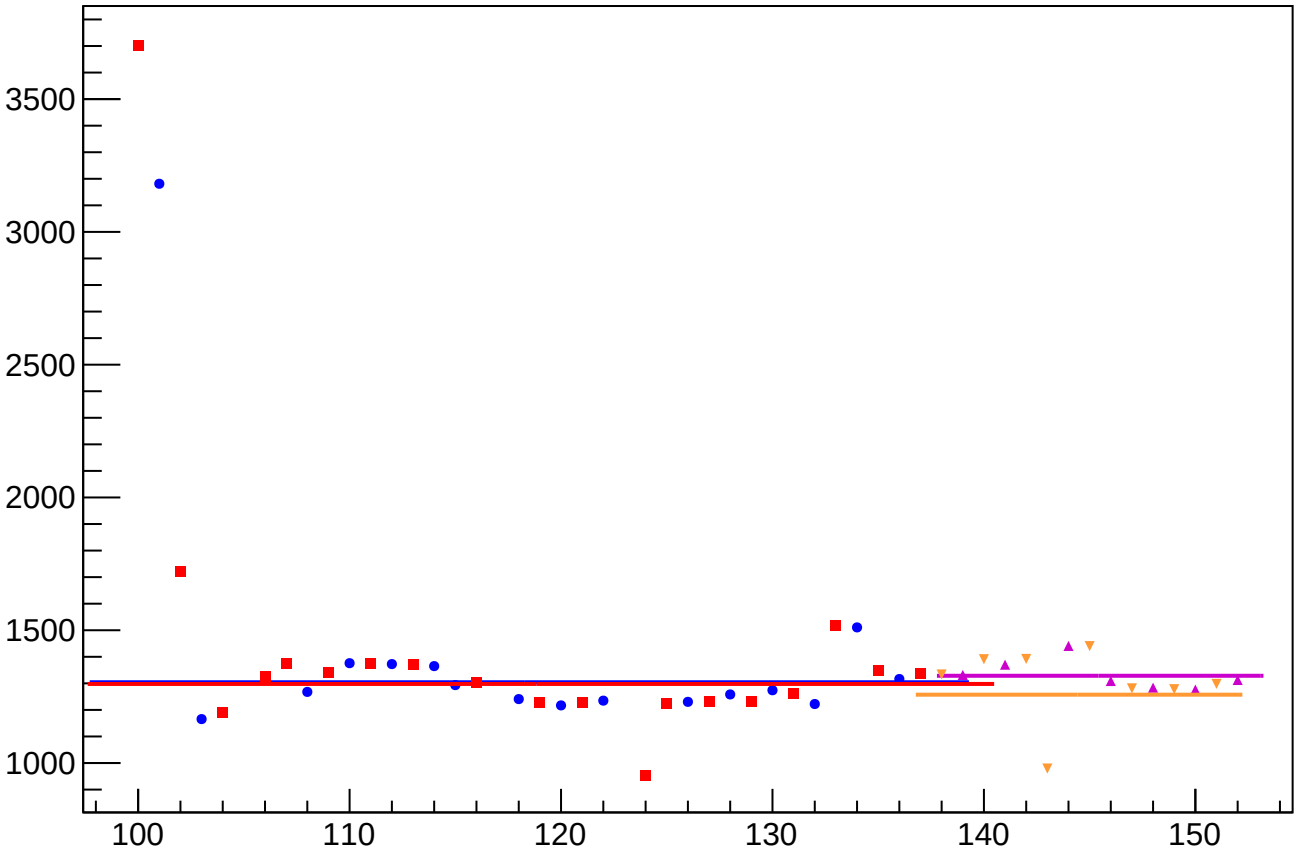
Left: -17.252+/-369.268 χ^2/NDF: 12.8/14

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -478.589+/-363.531 χ^2/NDF:17.8/22

Out: 67.292+/-351.299 χ^2/NDF:23.7/26

All: -196.310+/-252.619 χ^2/NDF: 42.7/49



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: 1328.596+/-0.379 χ^2/NDF:18306.7/6

Left: 1291.073+/-0.261 χ^2/NDF: 226209.1/14

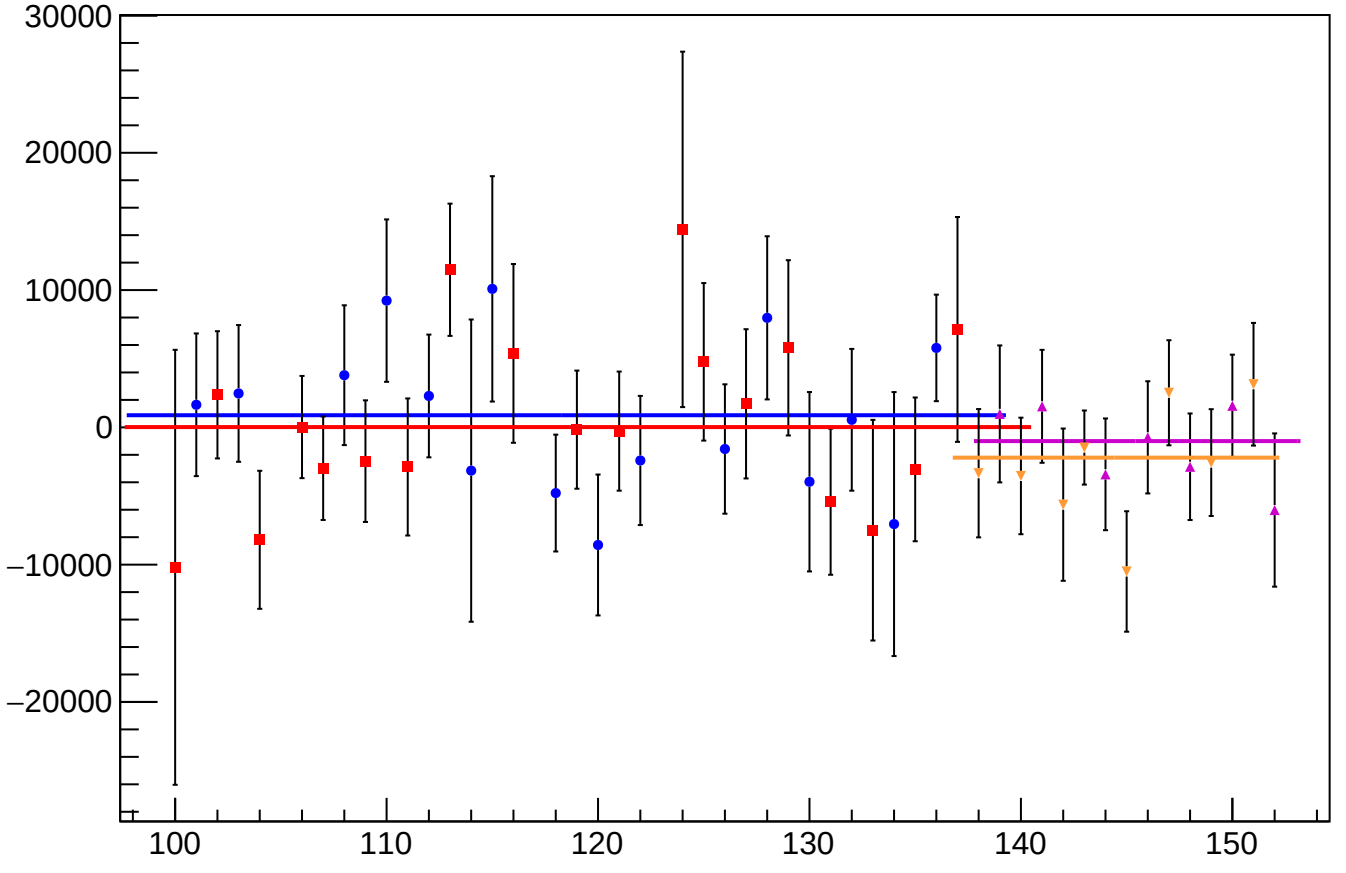
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1315.341+/-0.257 χ^2/NDF:531150.7/22

Out: 1278.529+/-0.248 χ^2/NDF:409053.9/26

All: 1296.298+/-0.179 χ^2/NDF: 950813.9/49

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: -1000.550+/-1600.802 χ^2/NDF:2.4/6

Left: -1682.097+/-1055.304 χ^2/NDF: 9.9/14

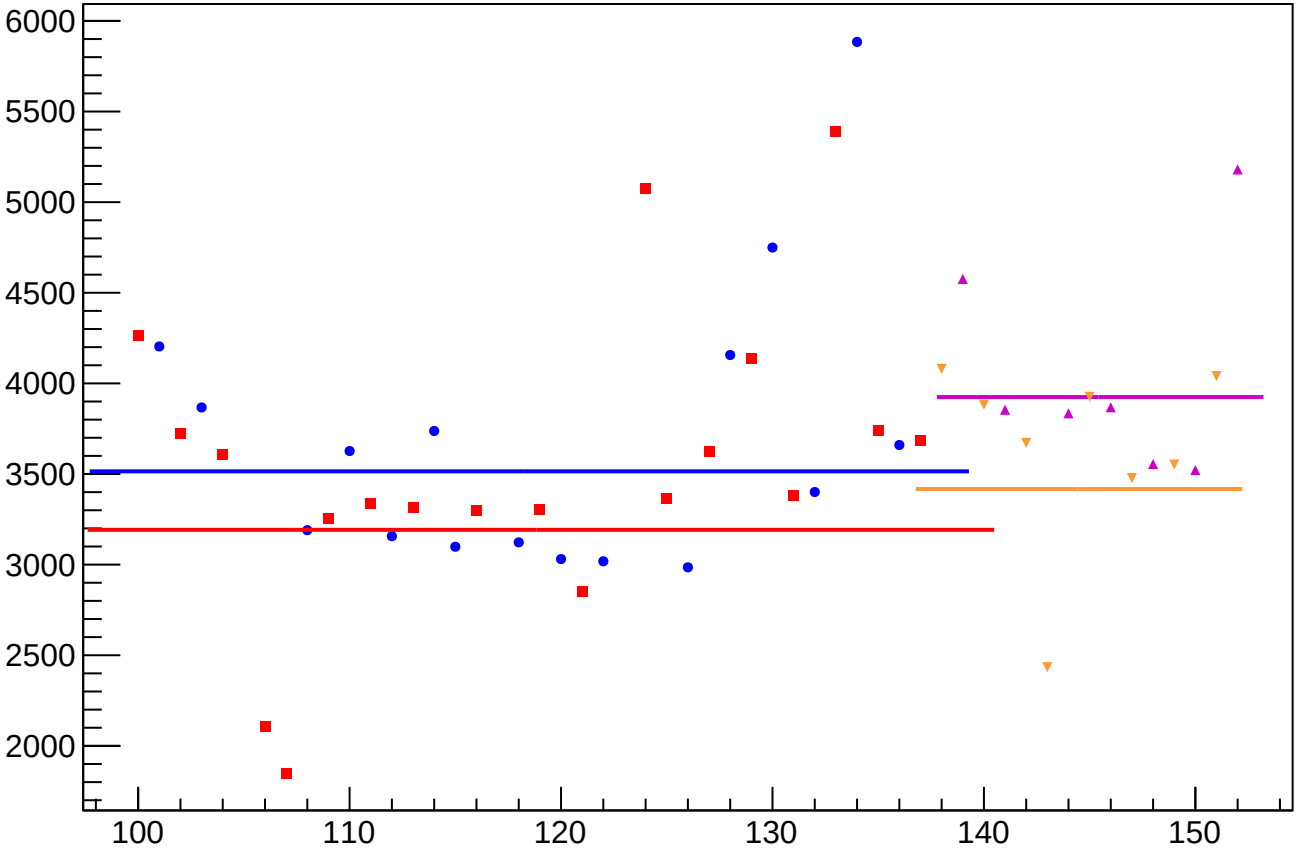
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 116.193+/-1021.804 χ^2/NDF:17.4/22

Out: -919.705+/-912.061 χ^2/NDF:25.4/26

All: -460.352+/-680.428 χ^2/NDF: 43.4/49

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: 3924.690+/-1.132 χ^2/NDF:178887.3/6

Left: 3637.804+/-0.746 χ^2/NDF: 695424.4/14

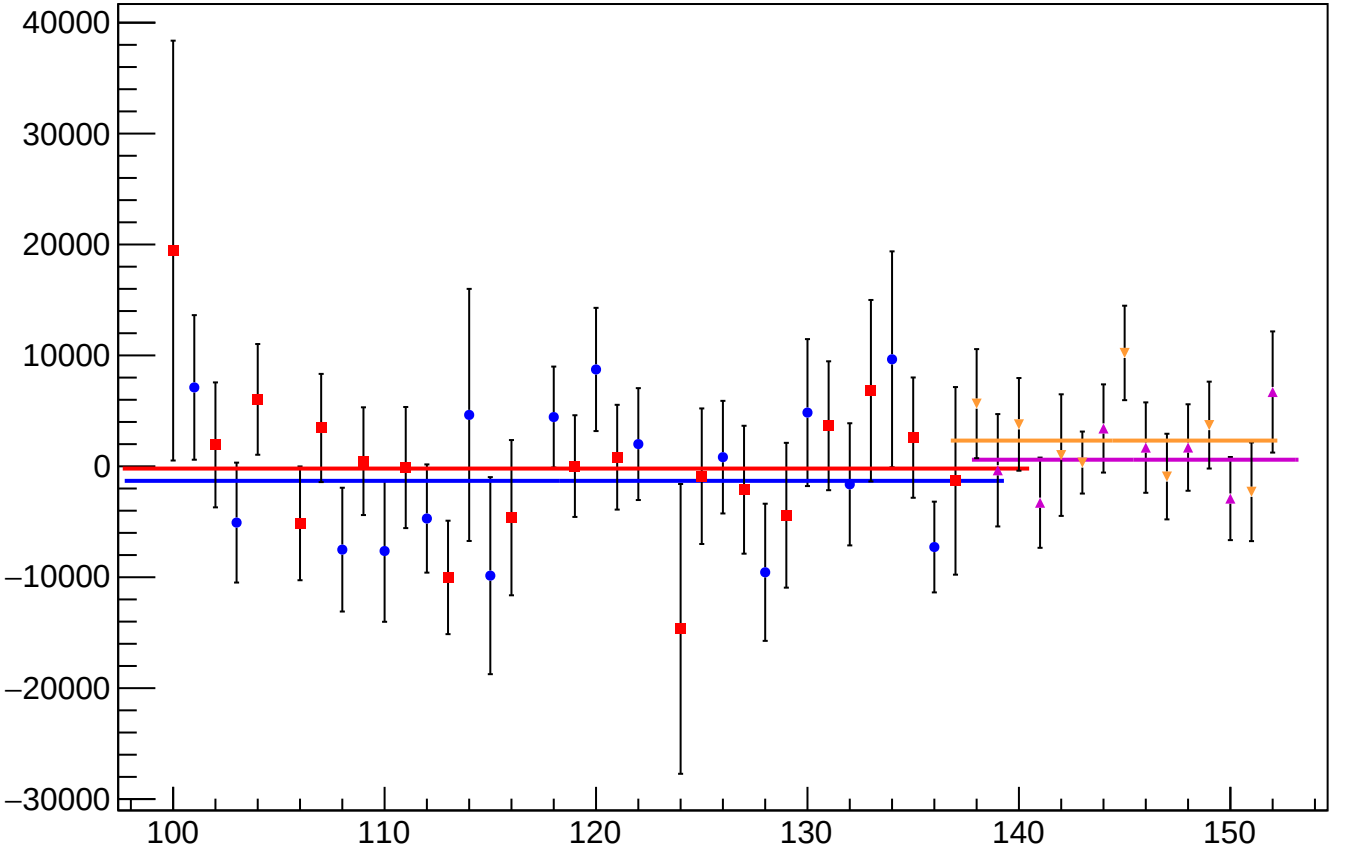
Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3681.767+/-0.723 χ^2/NDF:631694.7/22

Out: 3287.263+/-0.645 χ^2/NDF:1205147.7/26

All: 3462.199+/-0.481 χ^2/NDF: 2002768.2/49

asym_atl1r2_dd_atl2r1_dd_dd_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: 596.327+/-1594.326 χ^2/NDF:3.7/6

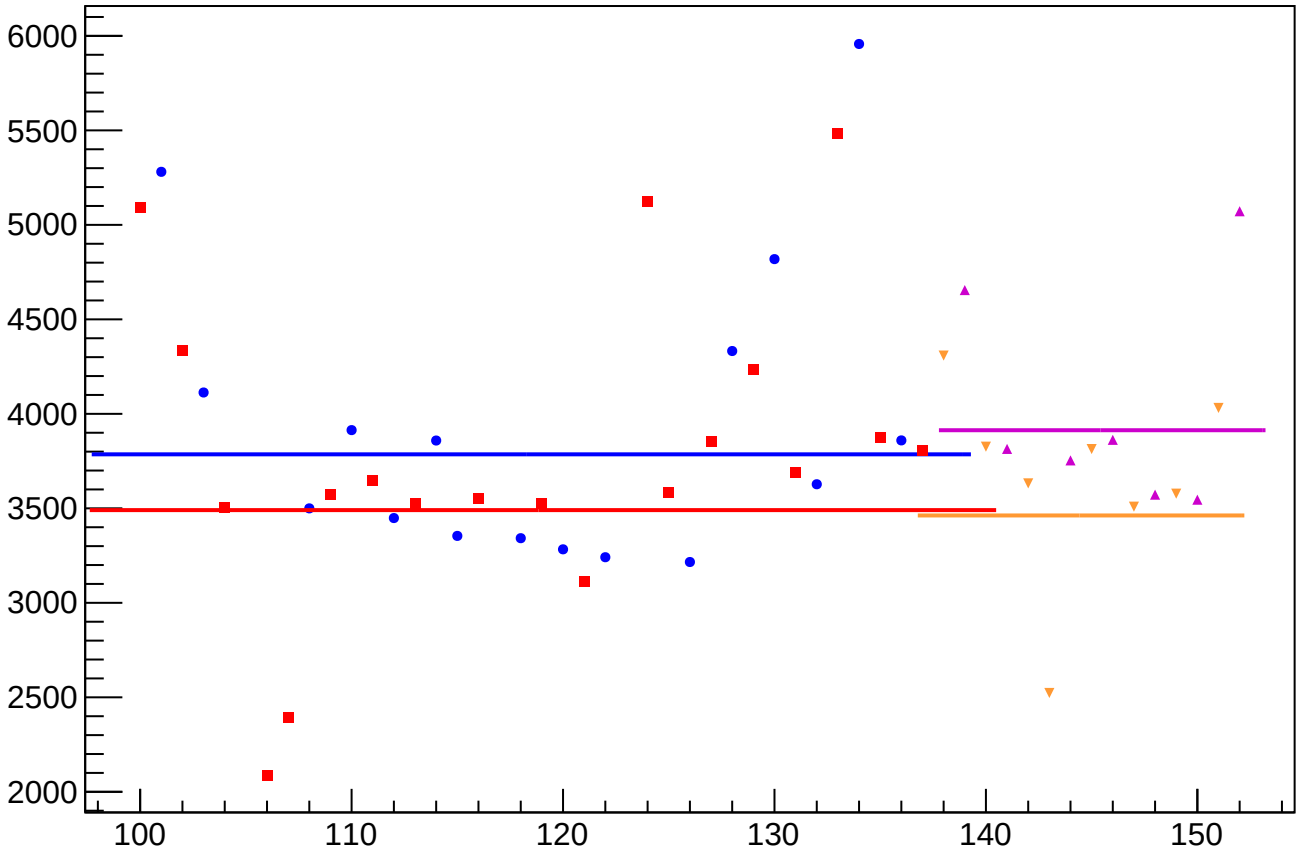
Left: 1559.944+/-1059.230 χ^2/NDF: 10.9/14

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -458.682+/-1065.203 χ^2/NDF:22.1/22

Out: 985.581+/-972.165 χ^2/NDF:19.8/26

All: 329.266+/-718.068 χ^2/NDF: 42.9/49



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: 3913.340+/-1.127 χ^2/NDF:172116.9/6

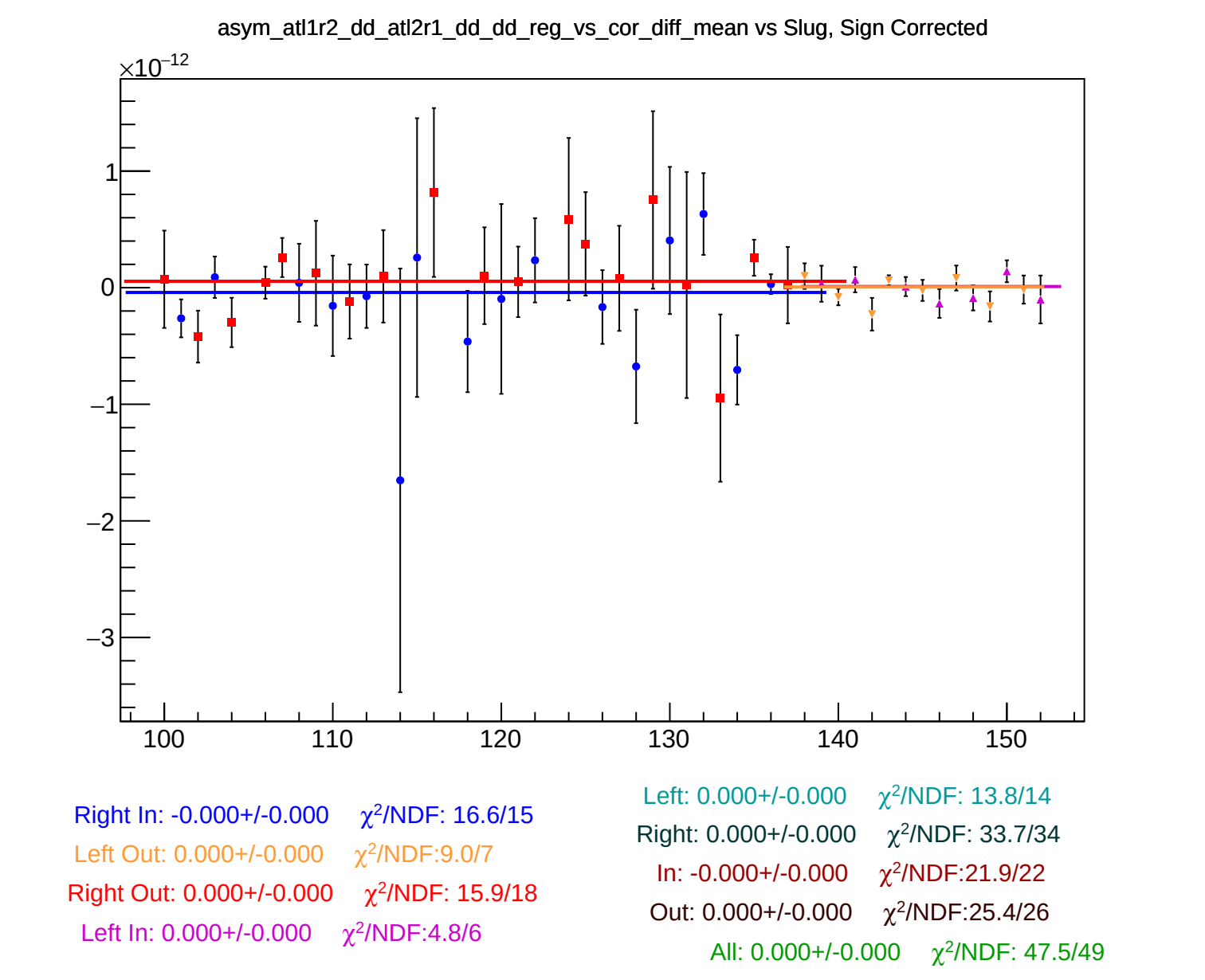
Left: 3661.409+/-0.749 χ^2/NDF: 612001.9/14

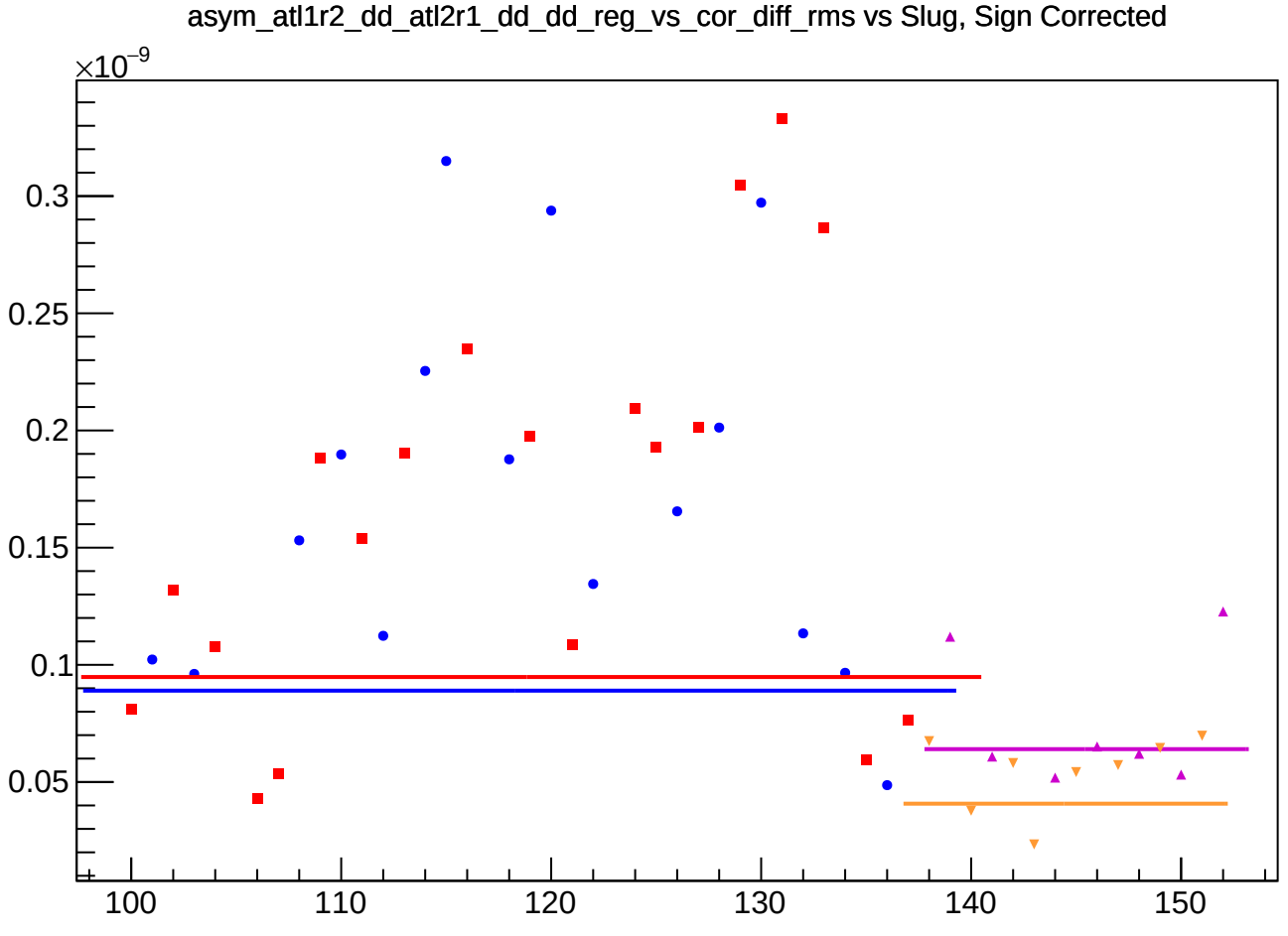
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3842.717+/-0.753 χ^2/NDF:562198.3/22

Out: 3477.503+/-0.682 χ^2/NDF:937628.2/26

All: 3642.144+/-0.506 χ^2/NDF: 1628944.9/49


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:4.8/6
Left: 0.000+/-0.000 χ²/NDF: 13.8/14
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: -0.000+/-0.000 χ²/NDF:21.9/22
Out: 0.000+/-0.000 χ²/NDF:25.4/26
All: 0.000+/-0.000 χ²/NDF: 47.5/49



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:428699.4/6

Left: 0.000+/-0.000 χ^2/NDF: 1583567.1/14

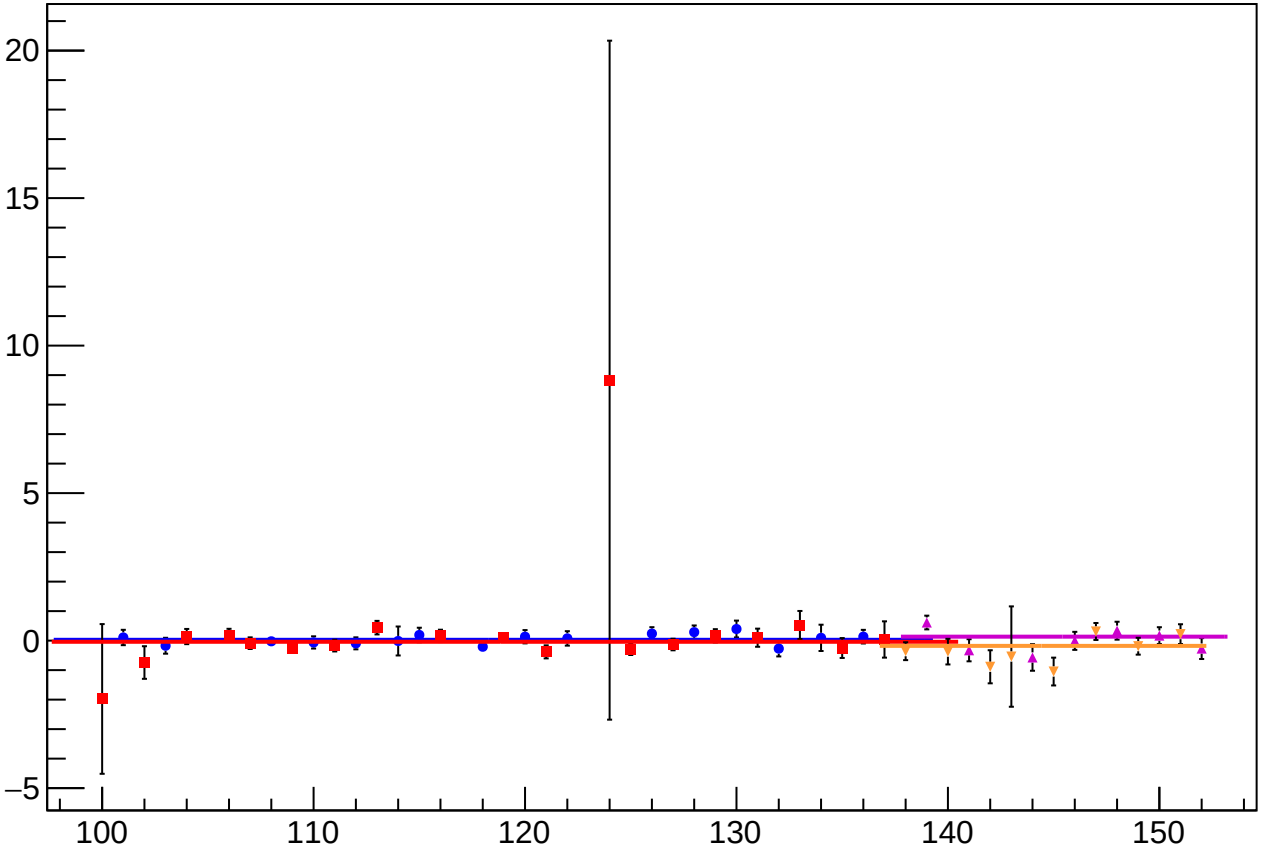
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2126559.2/22

Out: 0.000+/-0.000 χ^2/NDF:3659125.2/26

All: 0.000+/-0.000 χ^2/NDF: 6325285.1/49

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: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: -0.004+/-0.088 χ^2/NDF: 23.2/14

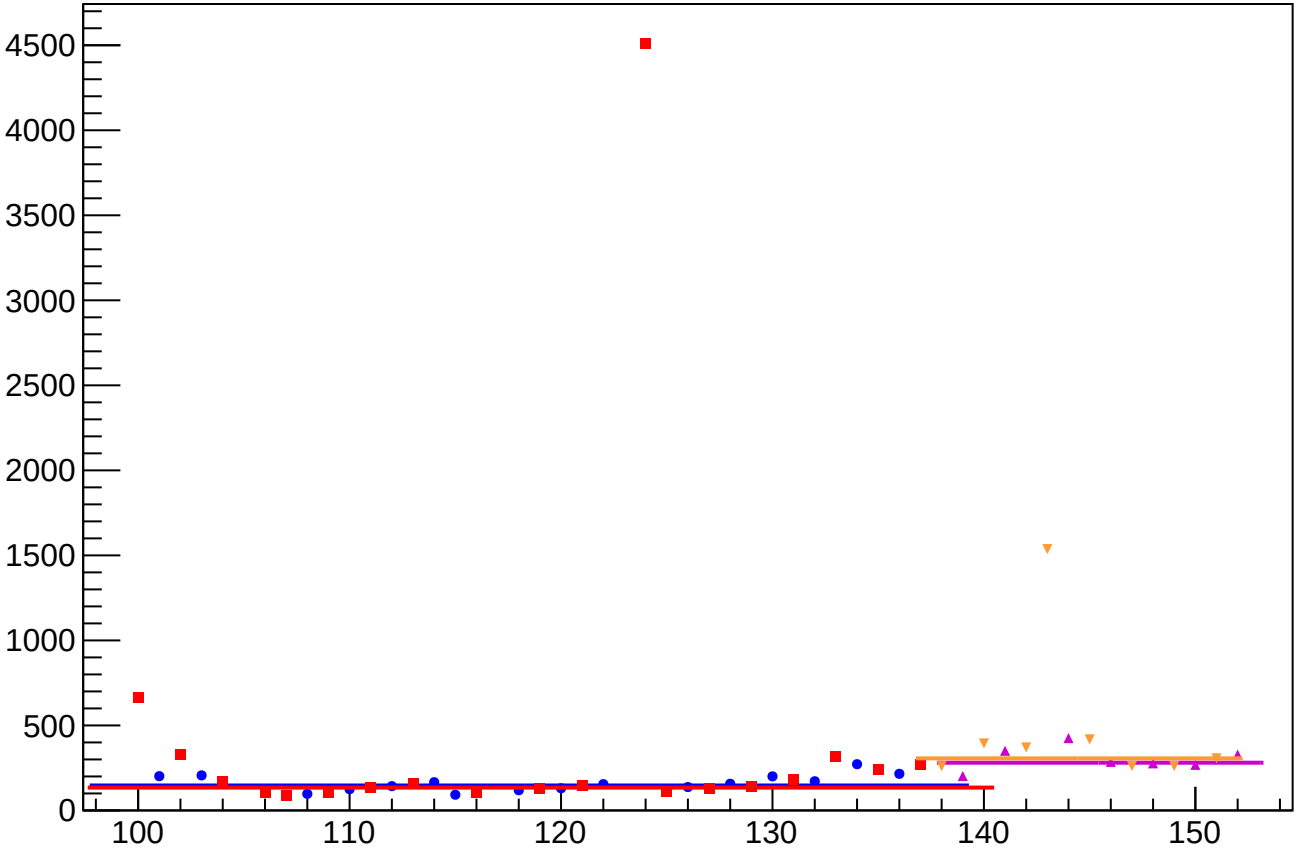
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.007+/-0.036 χ^2/NDF: 53.4/49

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: 280.884+/-0.083 χ^2/NDF:544153.6/6

Left: 292.172+/-0.062 χ^2/NDF: 1997537.0/14

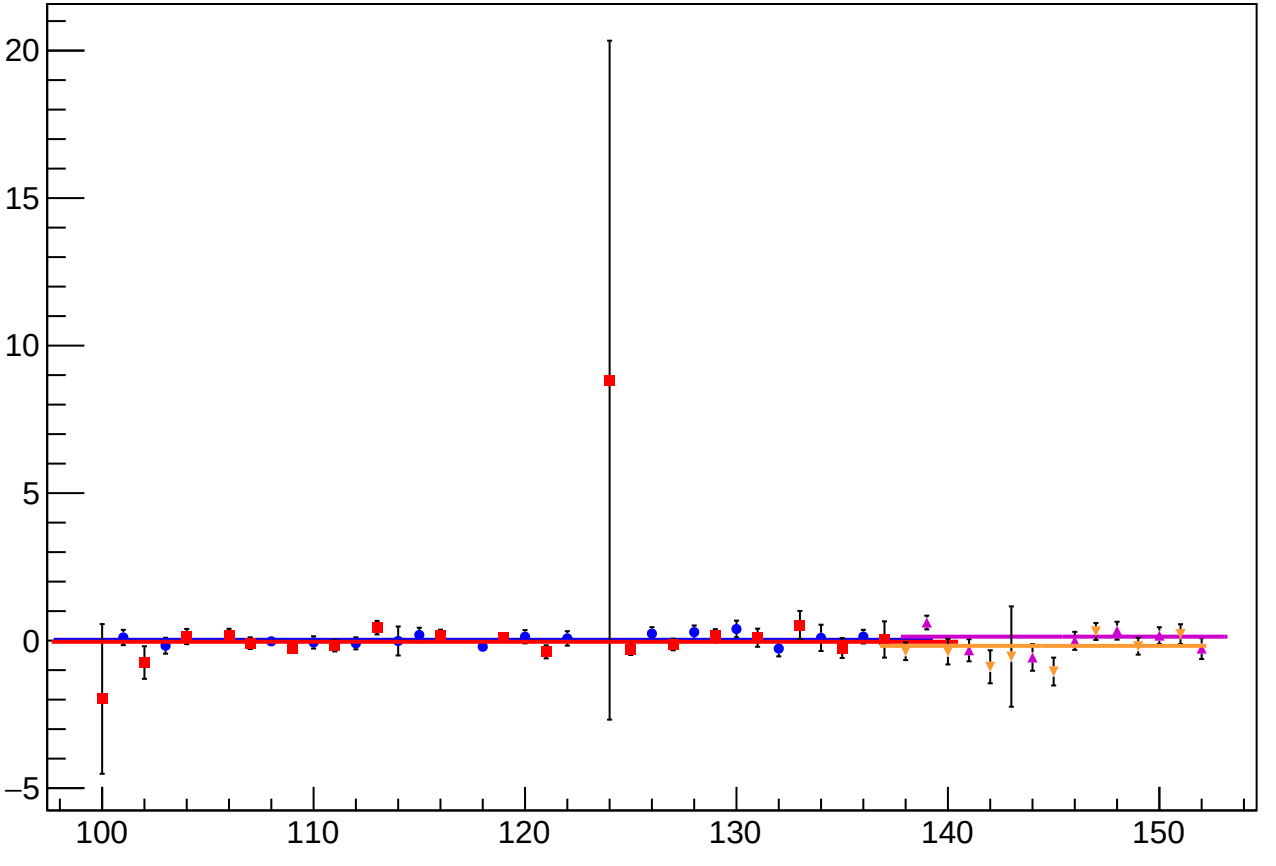
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 172.891+/-0.037 χ^2/NDF:3641488.3/22

Out: 159.792+/-0.036 χ^2/NDF:5915213.1/26

All: 166.188+/-0.026 χ^2/NDF: 9622179.4/49

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: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: -0.004+/-0.088 χ^2/NDF: 23.2/14

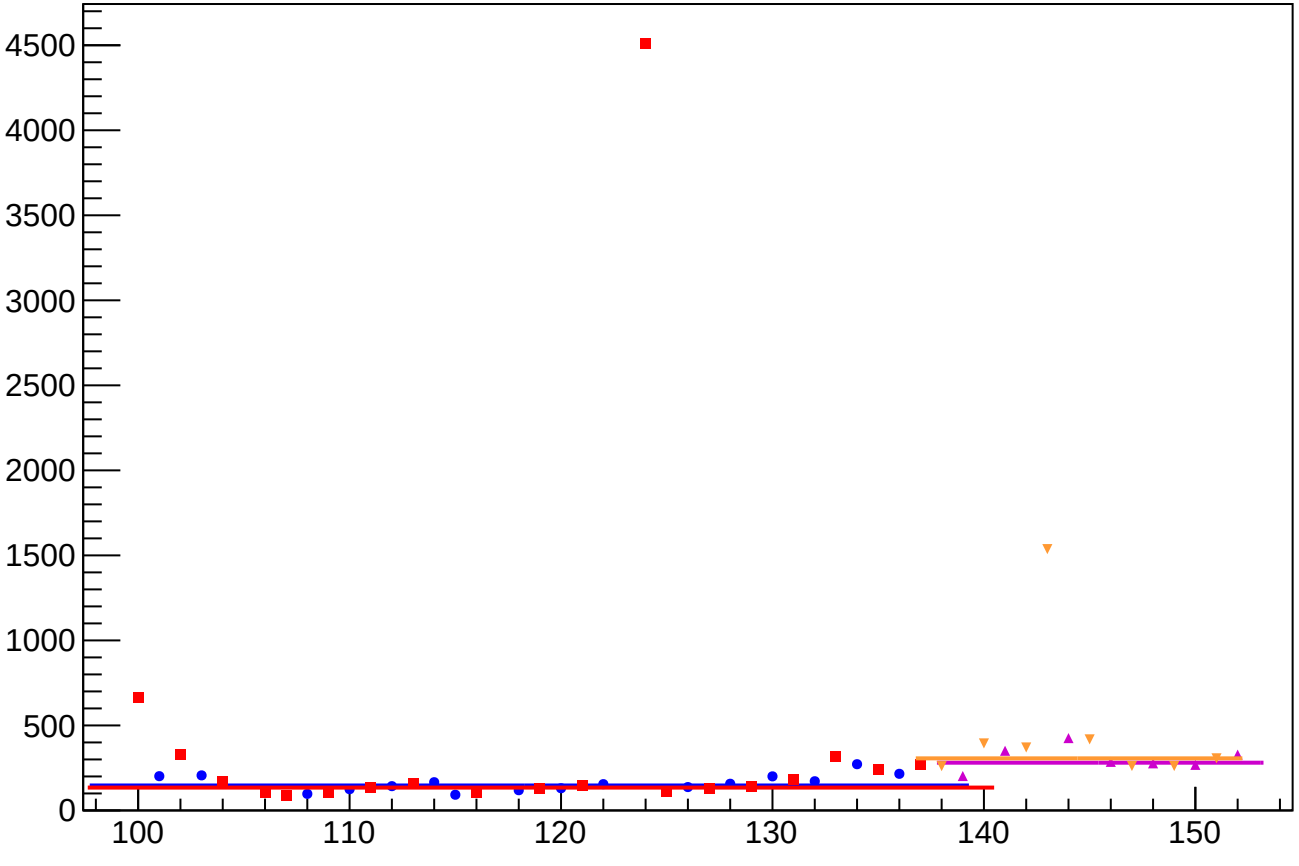
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.007+/-0.036 χ^2/NDF: 53.4/49

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: 280.884+/-0.083 χ^2/NDF:544153.6/6

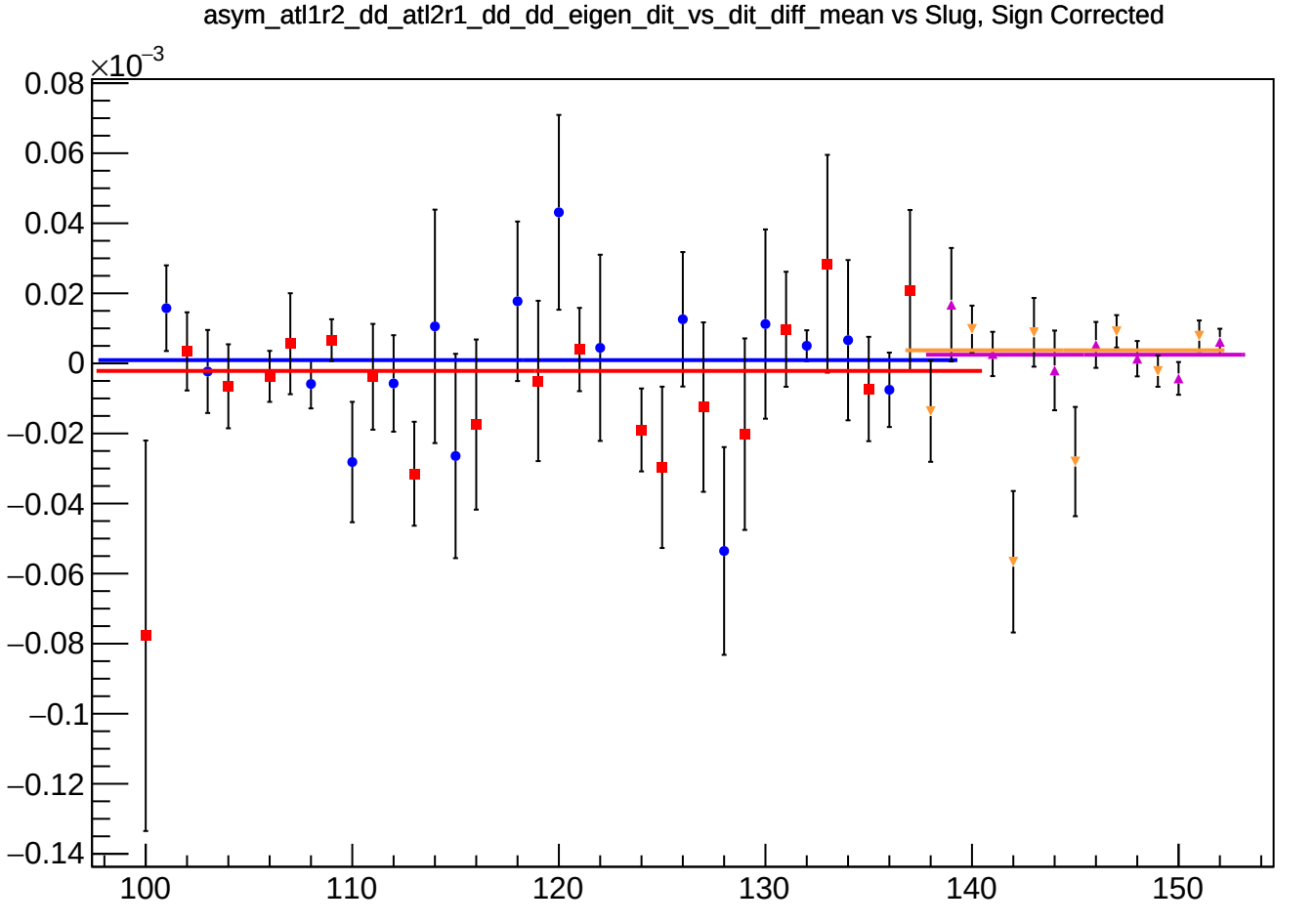
Left: 292.172+/-0.062 χ^2/NDF: 1997537.0/14

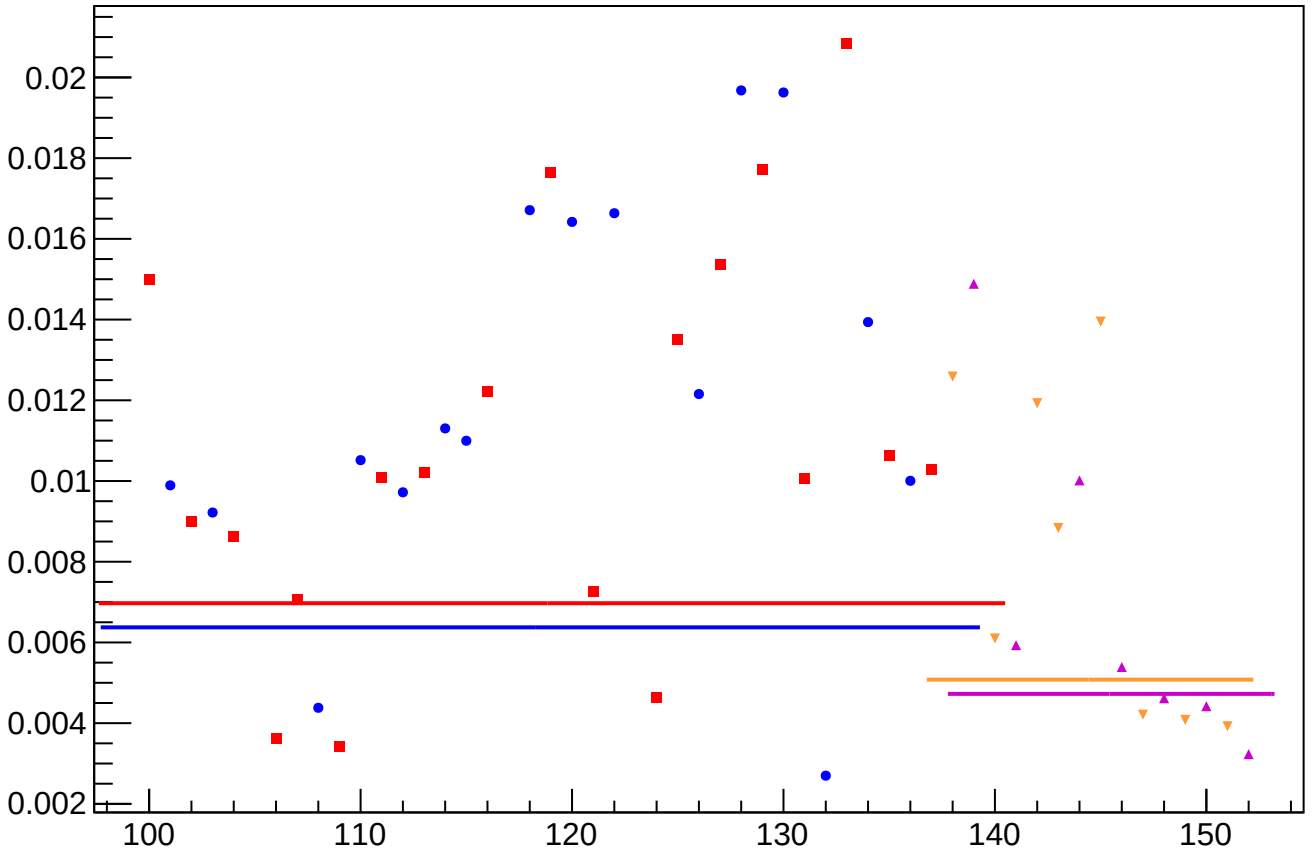
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 172.891+/-0.037 χ^2/NDF:3641488.3/22

Out: 159.792+/-0.036 χ^2/NDF:5915213.1/26

All: 166.188+/-0.026 χ^2/NDF: 9622179.4/49


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:4.2/6
Left: 0.000+/-0.000 χ²/NDF: 24.1/14
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:19.3/22
Out: 0.000+/-0.000 χ²/NDF:38.2/26
All: 0.000+/-0.000 χ²/NDF: 57.4/49



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:1642592.5/6

Left: 0.005+/-0.000 χ^2/NDF: 3735676.8/14

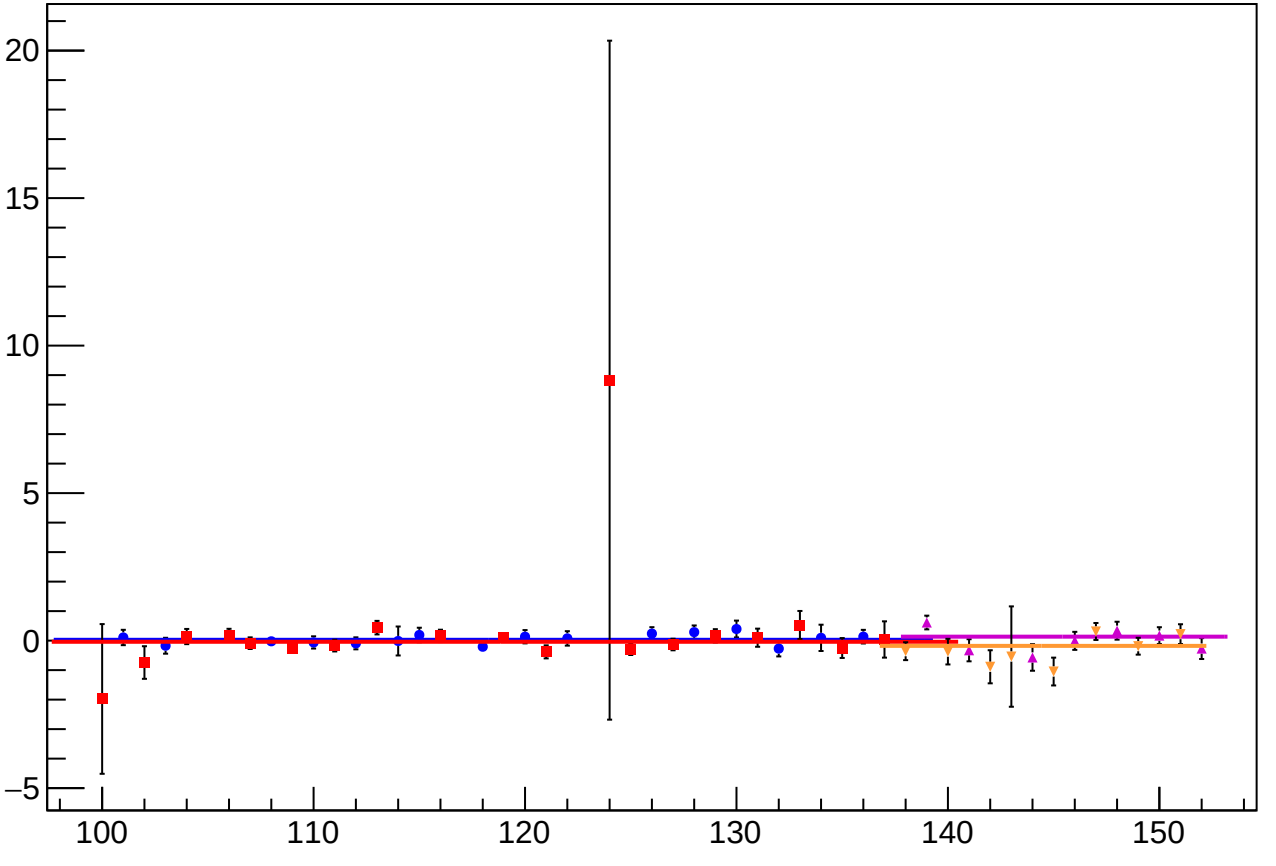
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:6694531.2/22

Out: 0.006+/-0.000 χ^2/NDF:5980677.1/26

All: 0.006+/-0.000 χ^2/NDF: 12742951.7/49

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: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: -0.004+/-0.088 χ^2/NDF: 23.2/14

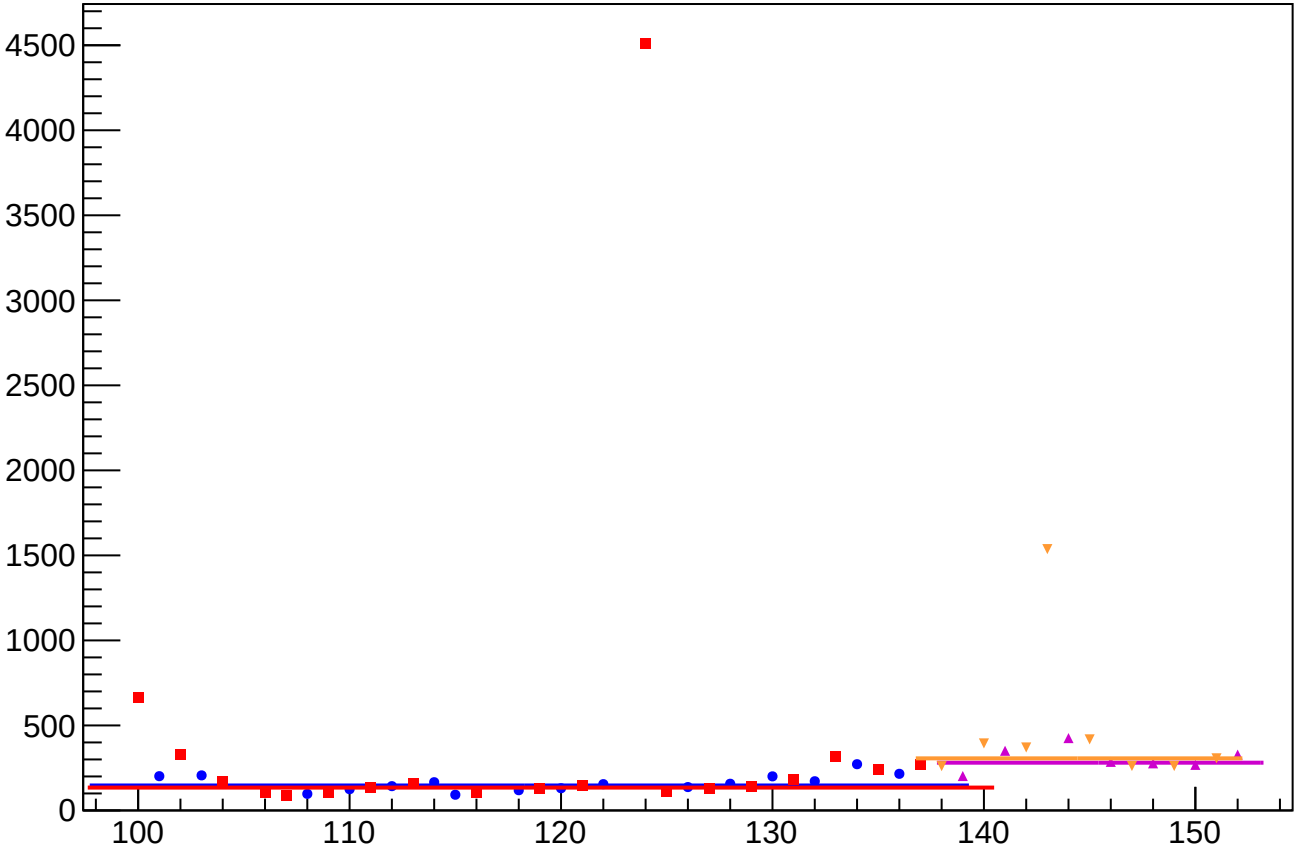
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.007+/-0.036 χ^2/NDF: 53.4/49

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: 280.888+/-0.083 χ^2/NDF:544132.6/6

Left: 292.176+/-0.062 χ^2/NDF: 1997511.2/14

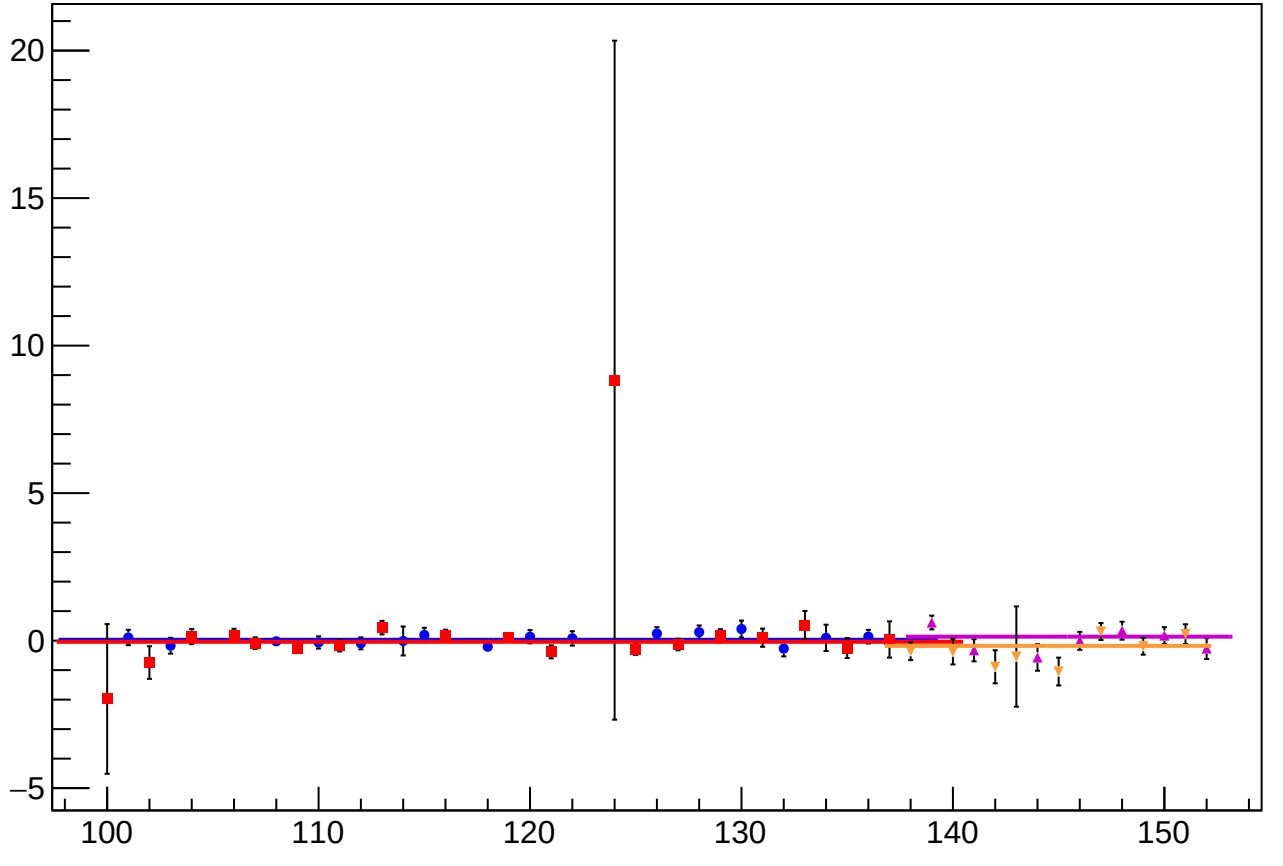
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 172.891+/-0.037 χ^2/NDF:3641488.5/22

Out: 159.793+/-0.036 χ^2/NDF:5915146.0/26

All: 166.189+/-0.026 χ^2/NDF: 9622098.8/49

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: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: -0.004+/-0.088 χ^2/NDF: 23.2/14

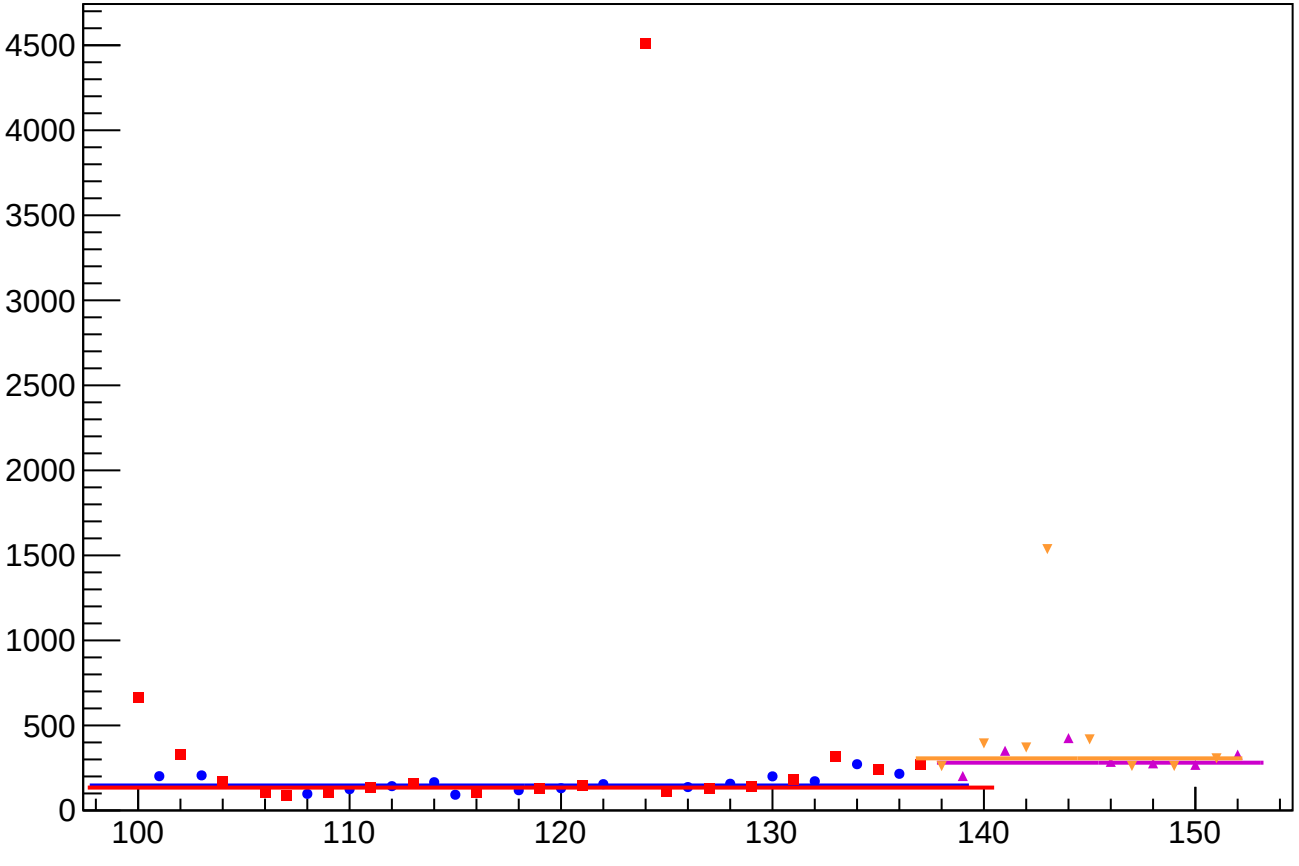
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.060+/-0.051 χ^2/NDF:30.8/26

All: -0.007+/-0.036 χ^2/NDF: 53.4/49

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: 280.888+/-0.083 χ^2/NDF:544132.6/6

Left: 292.176+/-0.062 χ^2/NDF: 1997511.2/14

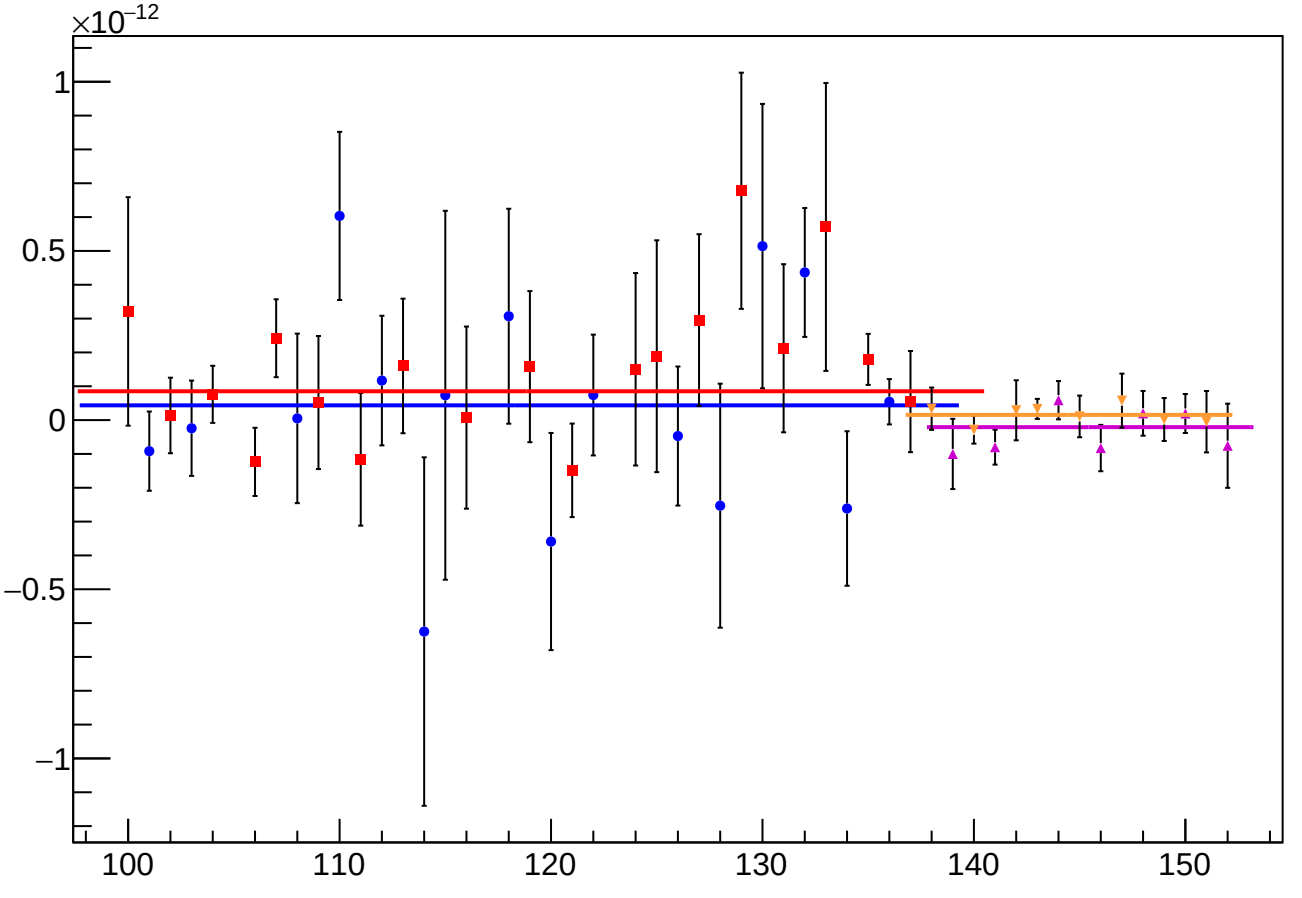
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 172.891+/-0.037 χ^2/NDF:3641488.5/22

Out: 159.793+/-0.036 χ^2/NDF:5915146.0/26

All: 166.189+/-0.026 χ^2/NDF: 9622098.8/49

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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:5.8/6

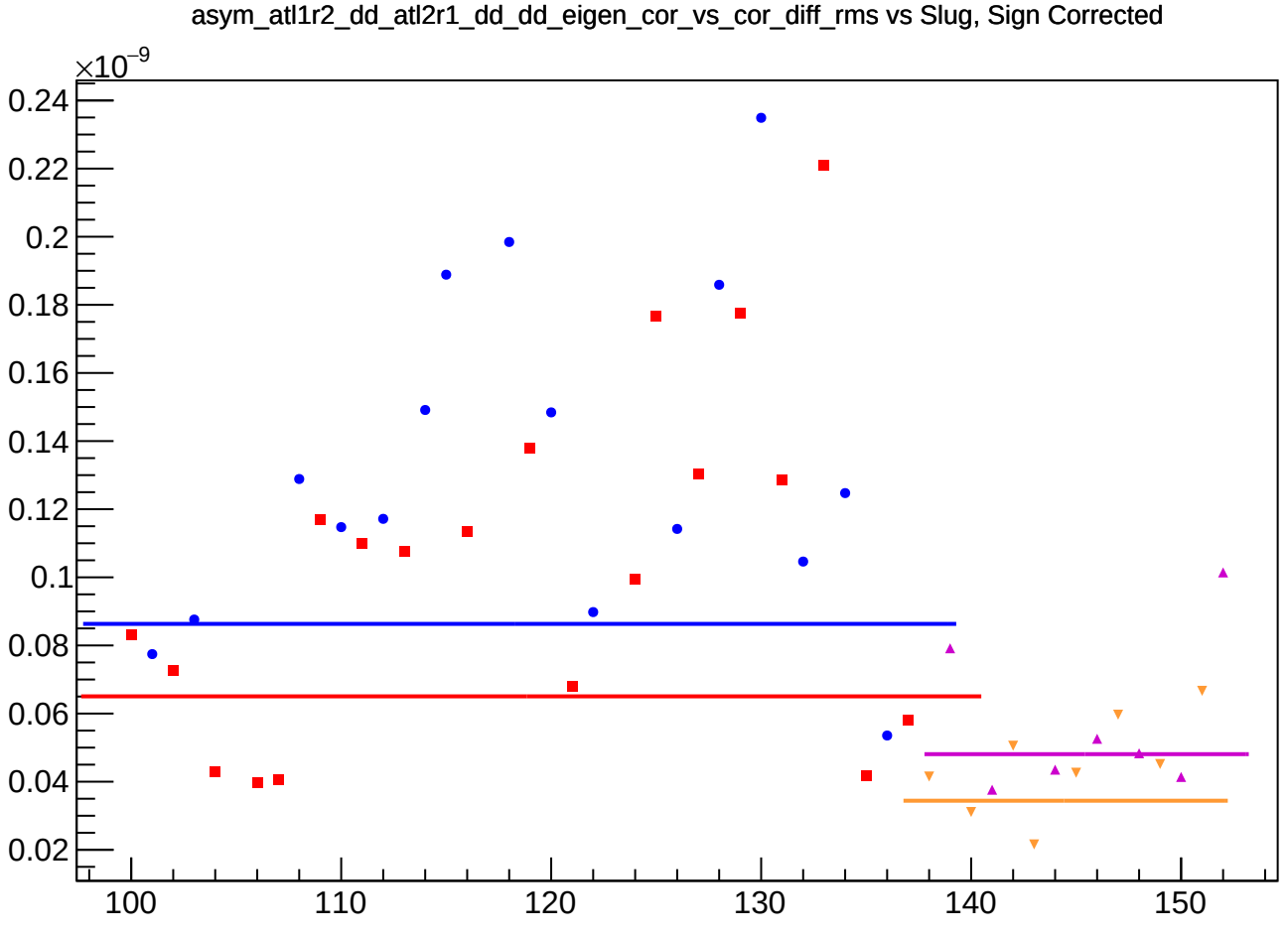
Left: 0.000+/-0.000 χ^2/NDF: 9.1/14

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.4/22

Out: 0.000+/-0.000 χ^2/NDF:23.4/26

All: 0.000+/-0.000 χ^2/NDF: 51.6/49



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:678131.0/6

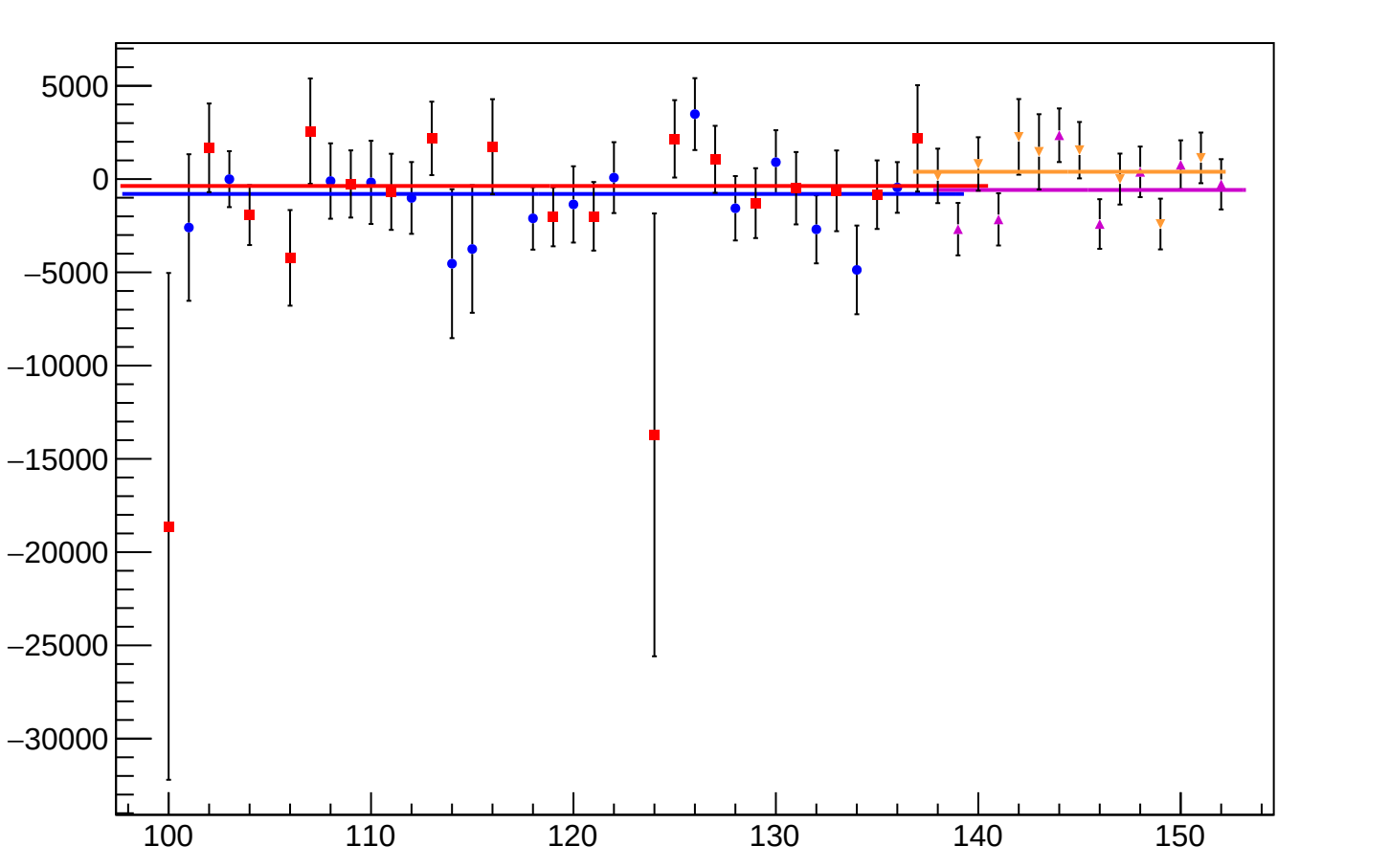
Left: 0.000+/-0.000 χ^2/NDF: 2088002.7/14

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3434958.0/22

Out: 0.000+/-0.000 χ^2/NDF:4423556.7/26

All: 0.000+/-0.000 χ^2/NDF: 8602072.4/49



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: -583.590+/-516.914 χ^2/NDF:11.2/6

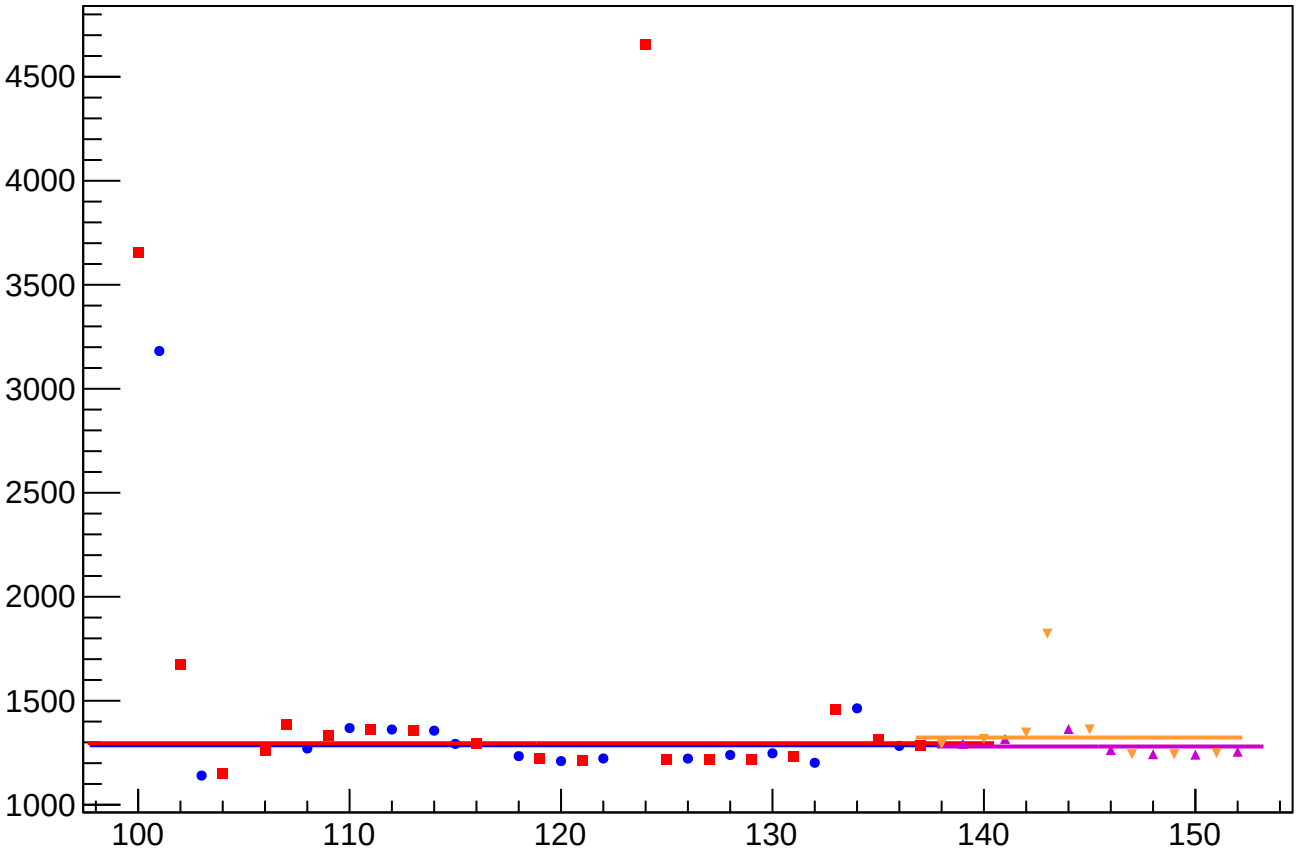
Left: -111.911+/-371.564 χ^2/NDF: 19.4/14

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -696.700+/-354.640 χ^2/NDF:24.7/22

Out: -25.094+/-359.500 χ^2/NDF:23.2/26

All: -365.468+/-252.469 χ^2/NDF: 49.6/49



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: 1280.094+/-0.366 χ^2/NDF:12635.6/6

Left: 1300.915+/-0.263 χ^2/NDF: 164365.4/14

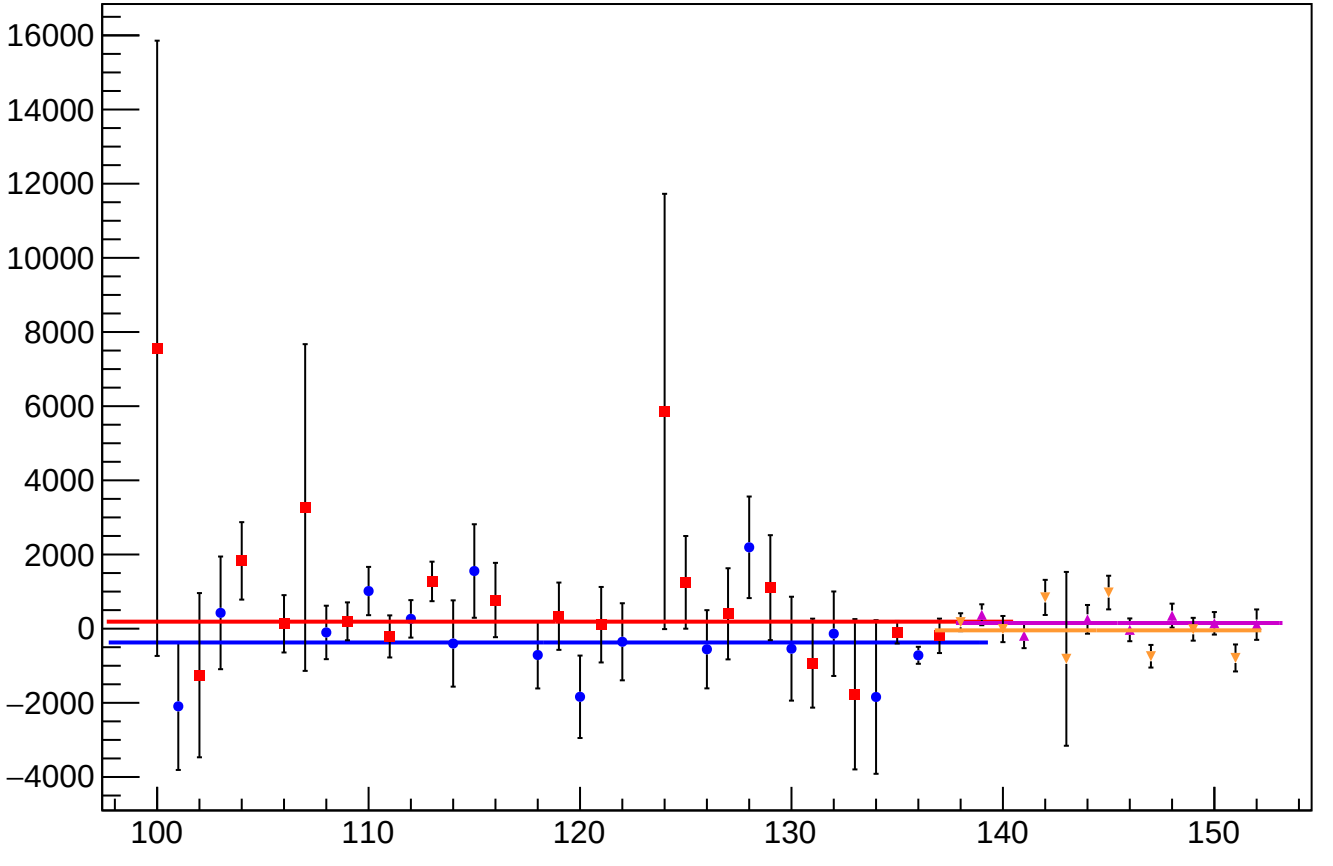
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1283.271+/-0.251 χ^2/NDF:530905.3/22

Out: 1308.263+/-0.254 χ^2/NDF:475928.7/26

All: 1295.597+/-0.179 χ^2/NDF: 1011732.6/49

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: 152.828+/-123.979 χ^2/NDF:2.5/6

Left: 55.019+/-88.186 χ^2/NDF: 22.7/14

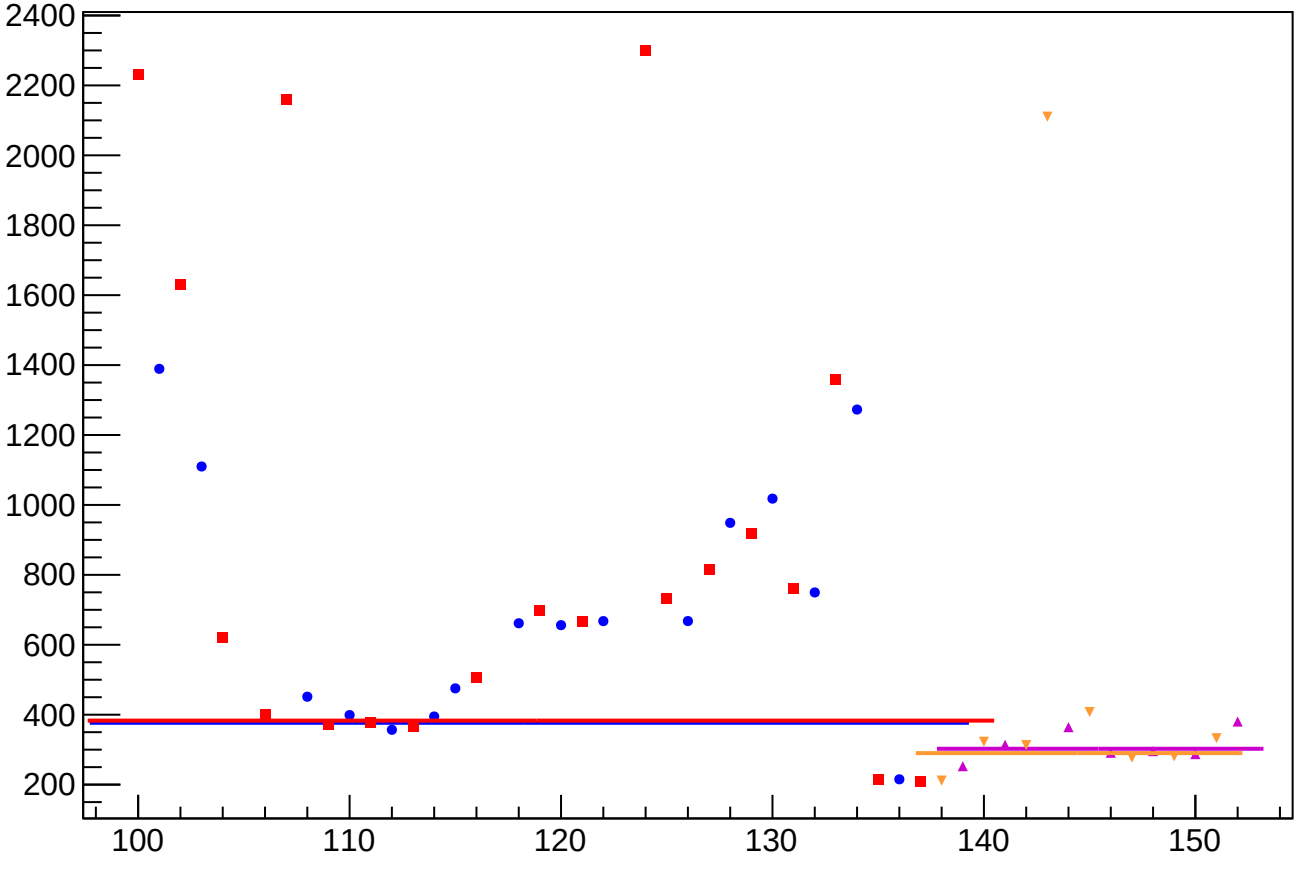
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -32.042+/-99.799 χ^2/NDF:26.9/22

Out: 37.666+/-100.859 χ^2/NDF:34.8/26

All: 2.444+/-70.940 χ^2/NDF: 62.0/49

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: 302.561+/-0.088 χ^2/NDF:196714.5/6

Left: 296.414+/-0.062 χ^2/NDF: 1813250.8/14

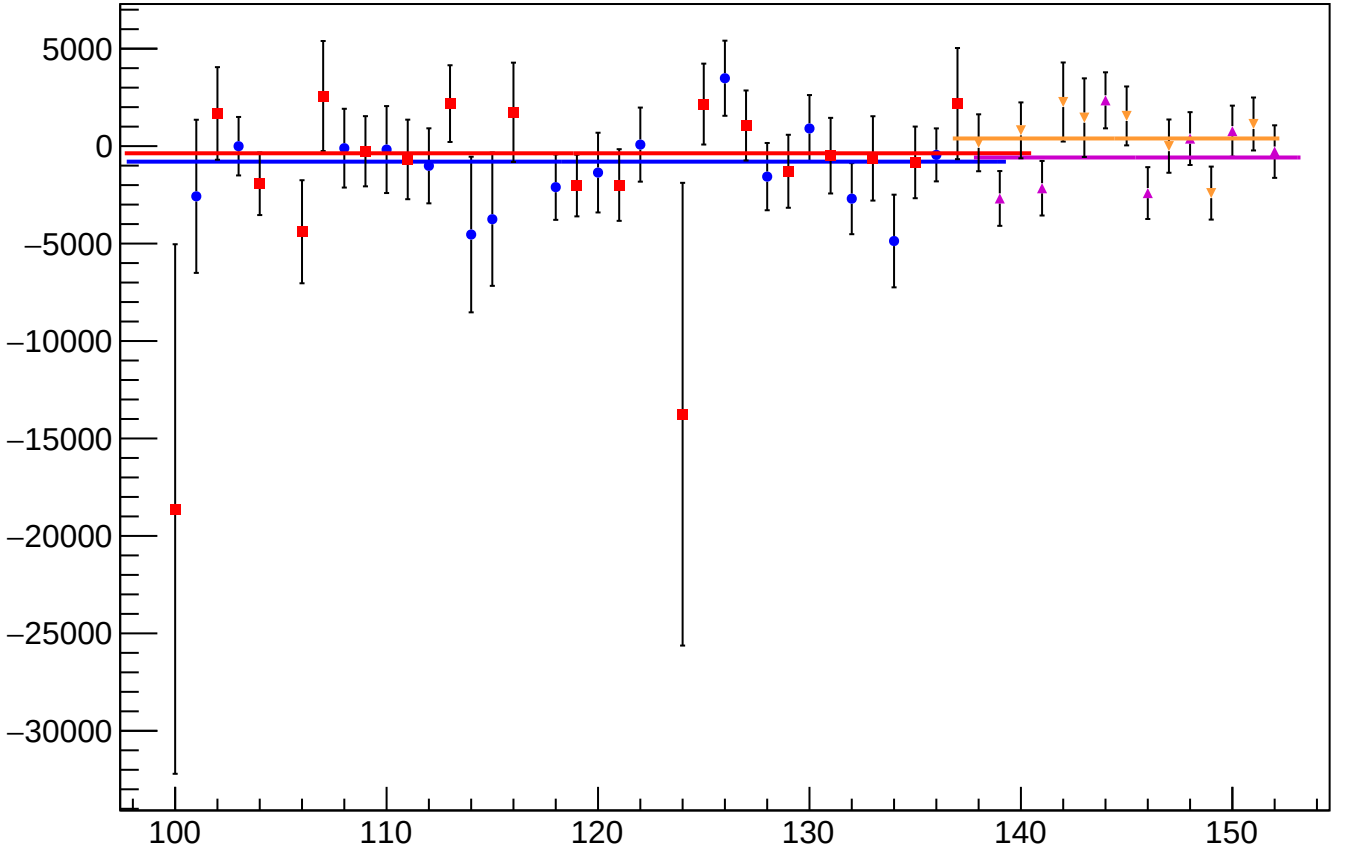
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 328.728+/-0.071 χ^2/NDF:4639993.5/22

Out: 323.002+/-0.071 χ^2/NDF:6049074.3/26

All: 325.895+/-0.050 χ^2/NDF: 10692324.1/49

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



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: -583.580+/-516.914 χ^2/NDF:11.2/6

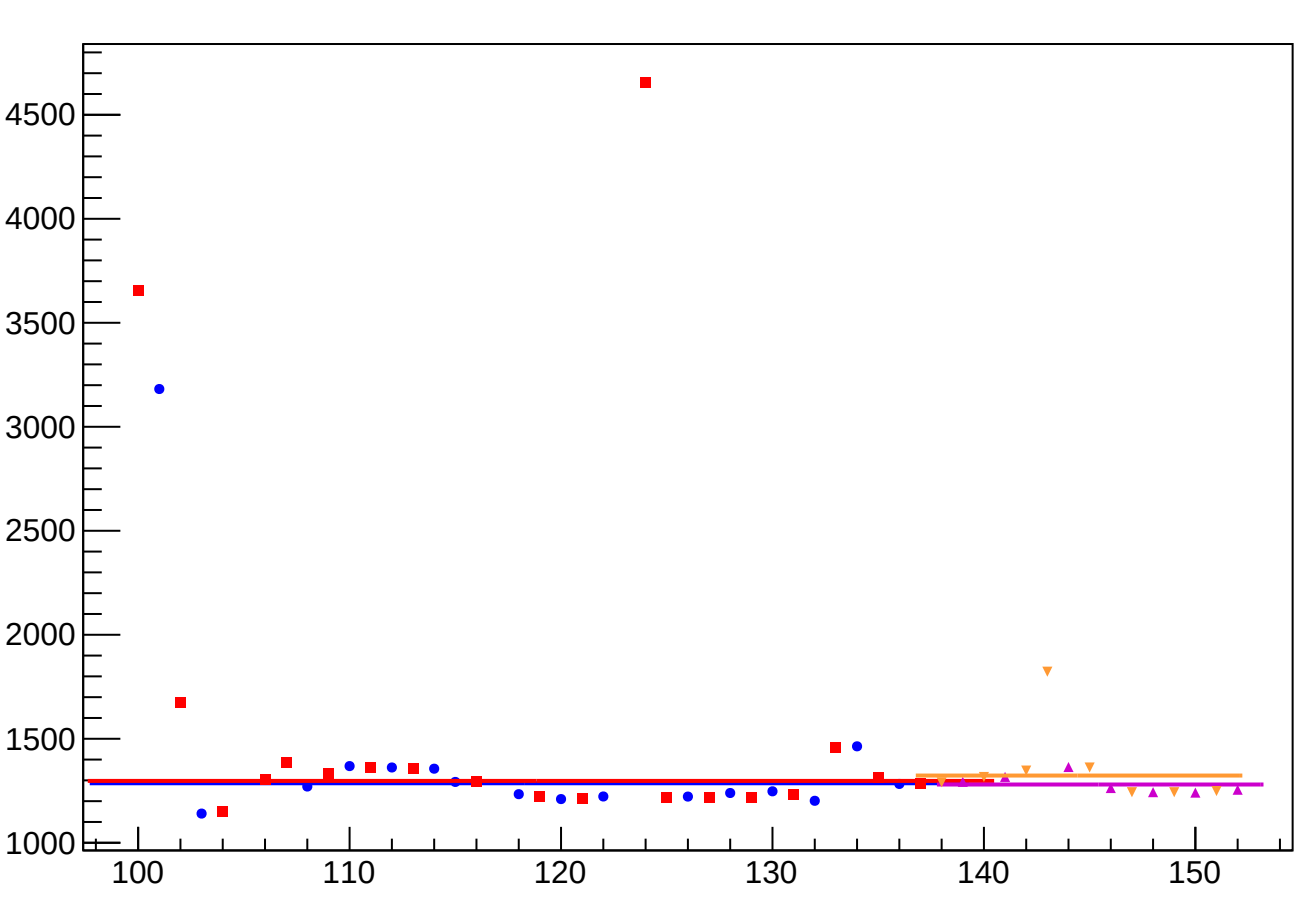
Left: -111.916+/-371.564 χ^2/NDF: 19.4/14

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -696.483+/-354.640 χ^2/NDF:24.7/22

Out: -23.311+/-359.712 χ^2/NDF:23.2/26

All: -364.677+/-252.542 χ^2/NDF: 49.7/49



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: 1280.094+/-0.366 χ^2/NDF:12635.6/6

Left: 1300.915+/-0.263 χ^2/NDF: 164365.4/14

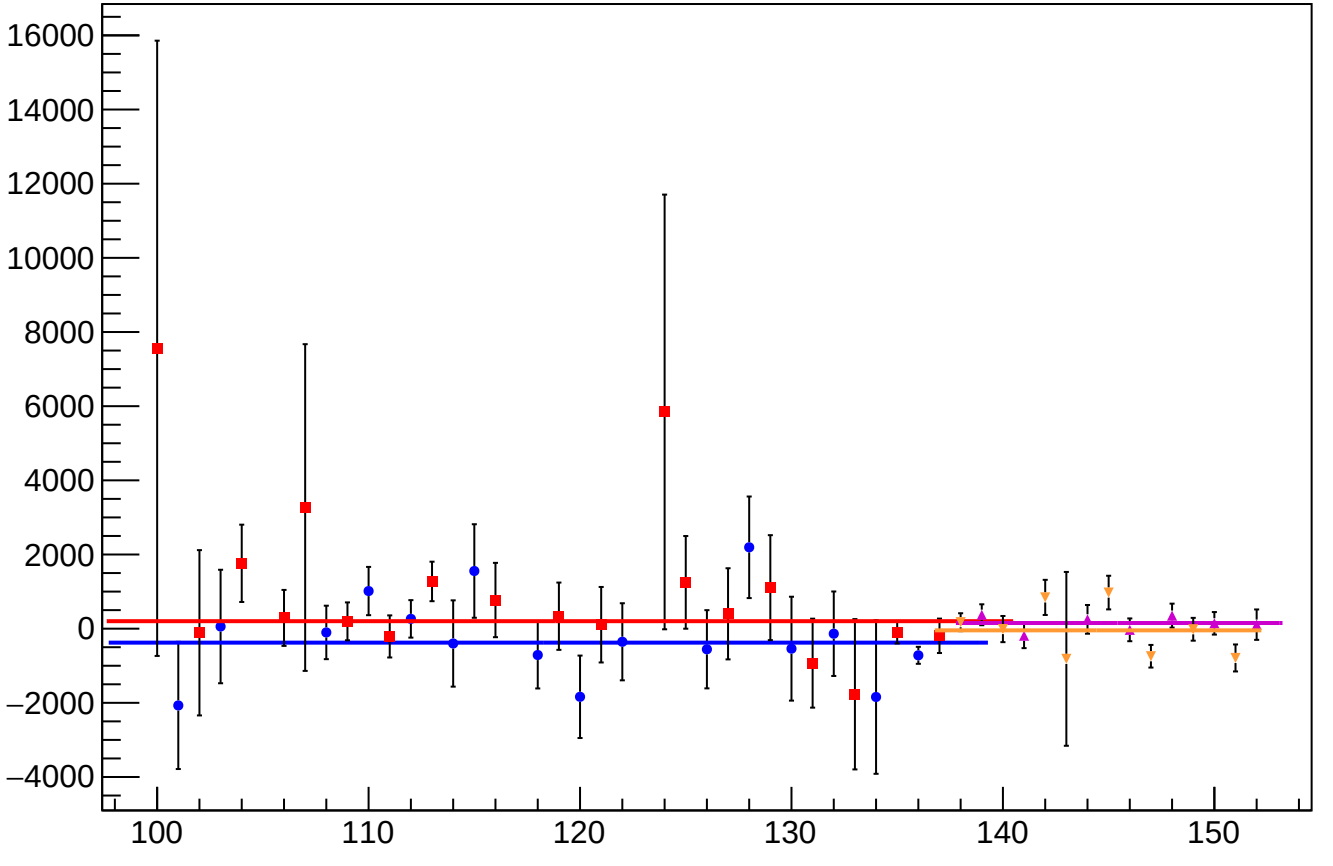
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1283.271+/-0.251 χ^2/NDF:530906.7/22

Out: 1309.072+/-0.254 χ^2/NDF:475303.1/26

All: 1295.988+/-0.179 χ^2/NDF: 1011427.4/49

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: 152.851+/-123.978 χ^2/NDF:2.5/6

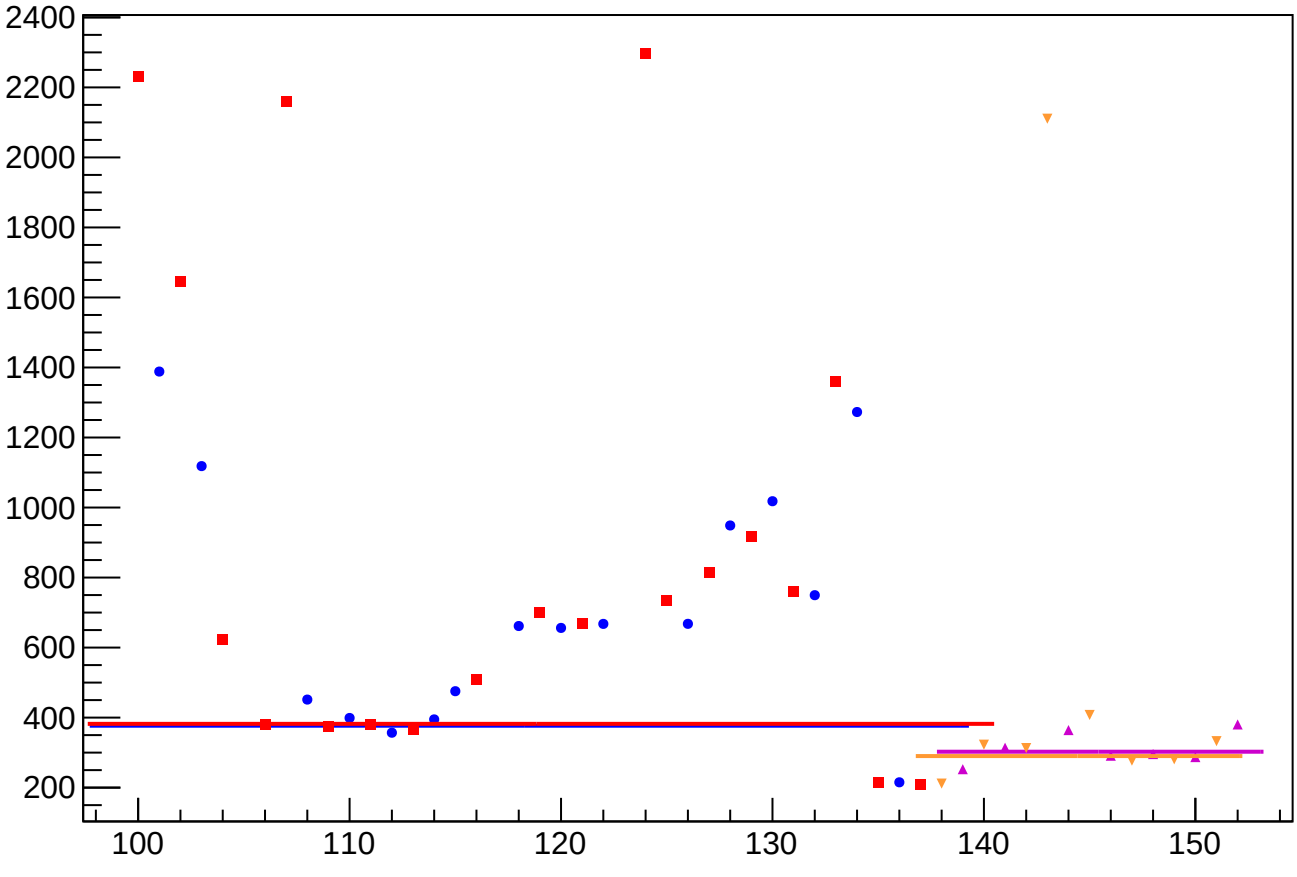
Left: 55.015+/-88.187 χ^2/NDF: 22.7/14

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -33.561+/-99.802 χ^2/NDF:26.8/22

Out: 42.444+/-100.819 χ^2/NDF:34.4/26

All: 4.056+/-70.928 χ^2/NDF: 61.5/49



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: 302.558+/-0.088 χ^2/NDF:196709.3/6

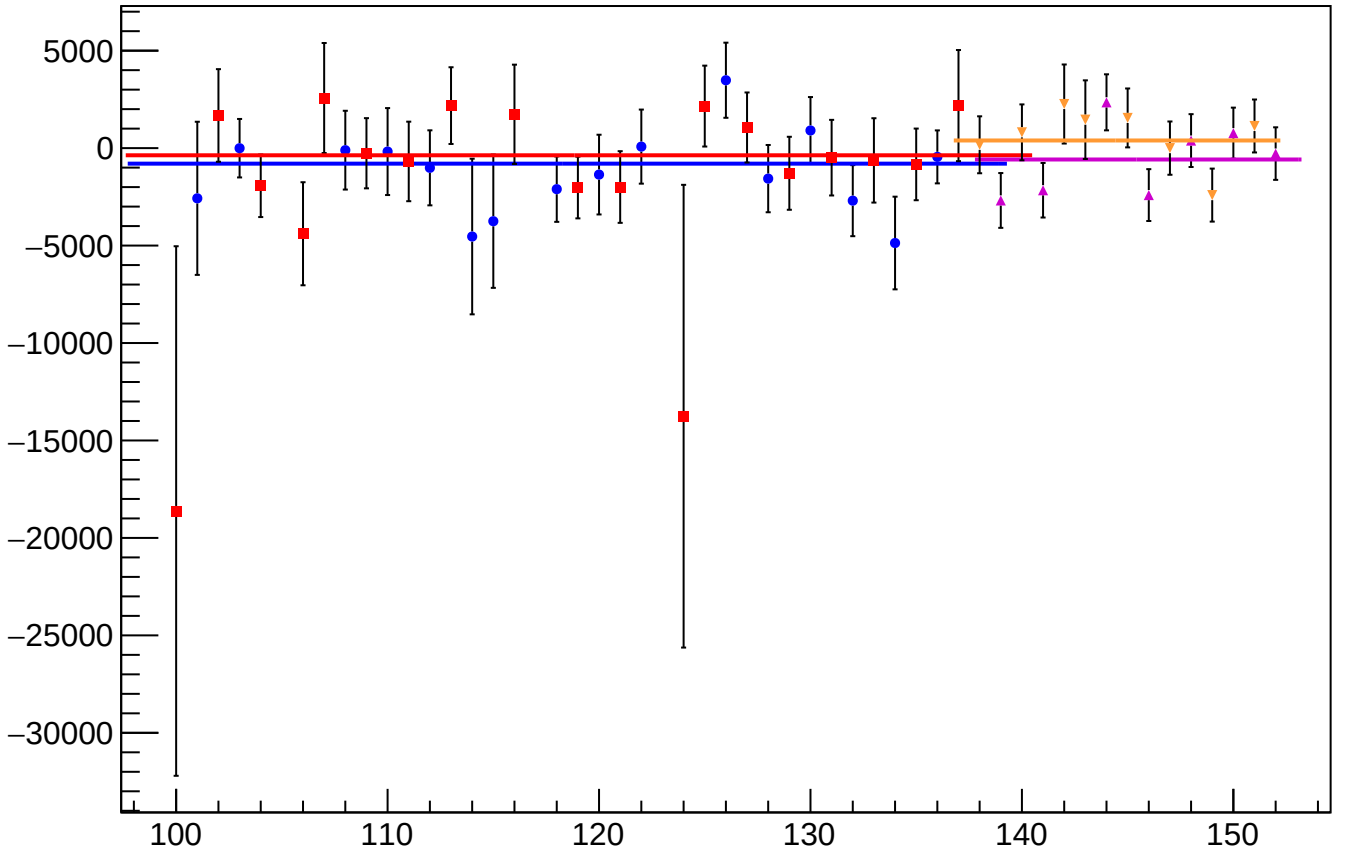
Left: 296.418+/-0.062 χ^2/NDF: 1813223.2/14

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 328.719+/-0.071 χ^2/NDF:4643043.7/22

Out: 322.728+/-0.071 χ^2/NDF:6047232.8/26

All: 325.754+/-0.050 χ^2/NDF: 10693843.0/49



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: -583.580+/-516.914 χ^2/NDF:11.2/6

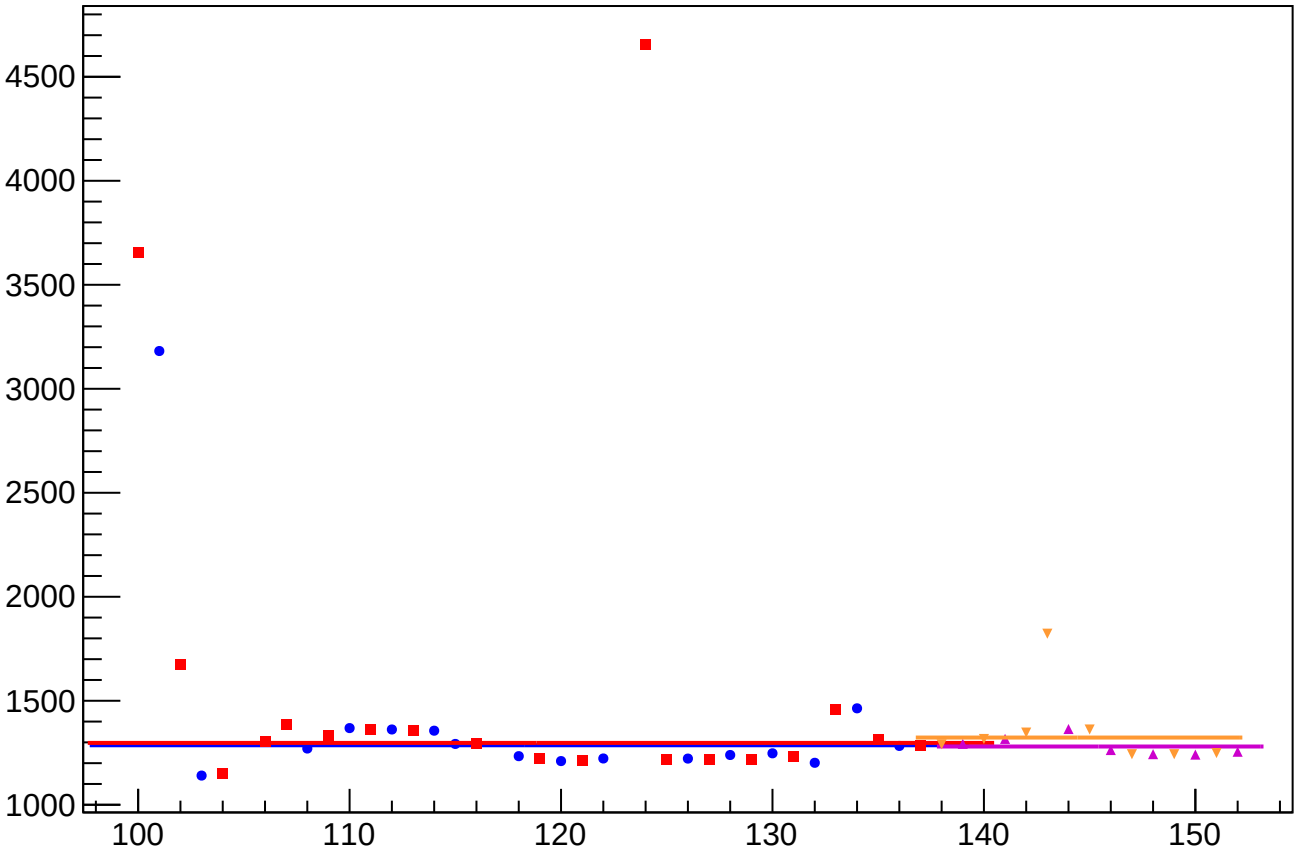
Left: -111.916+/-371.564 χ^2/NDF: 19.4/14

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -696.483+/-354.640 χ^2/NDF:24.7/22

Out: -23.311+/-359.712 χ^2/NDF:23.2/26

All: -364.677+/-252.542 χ^2/NDF: 49.7/49



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: 1280.094+/-0.366 χ^2/NDF:12635.6/6

Left: 1300.915+/-0.263 χ^2/NDF: 164365.4/14

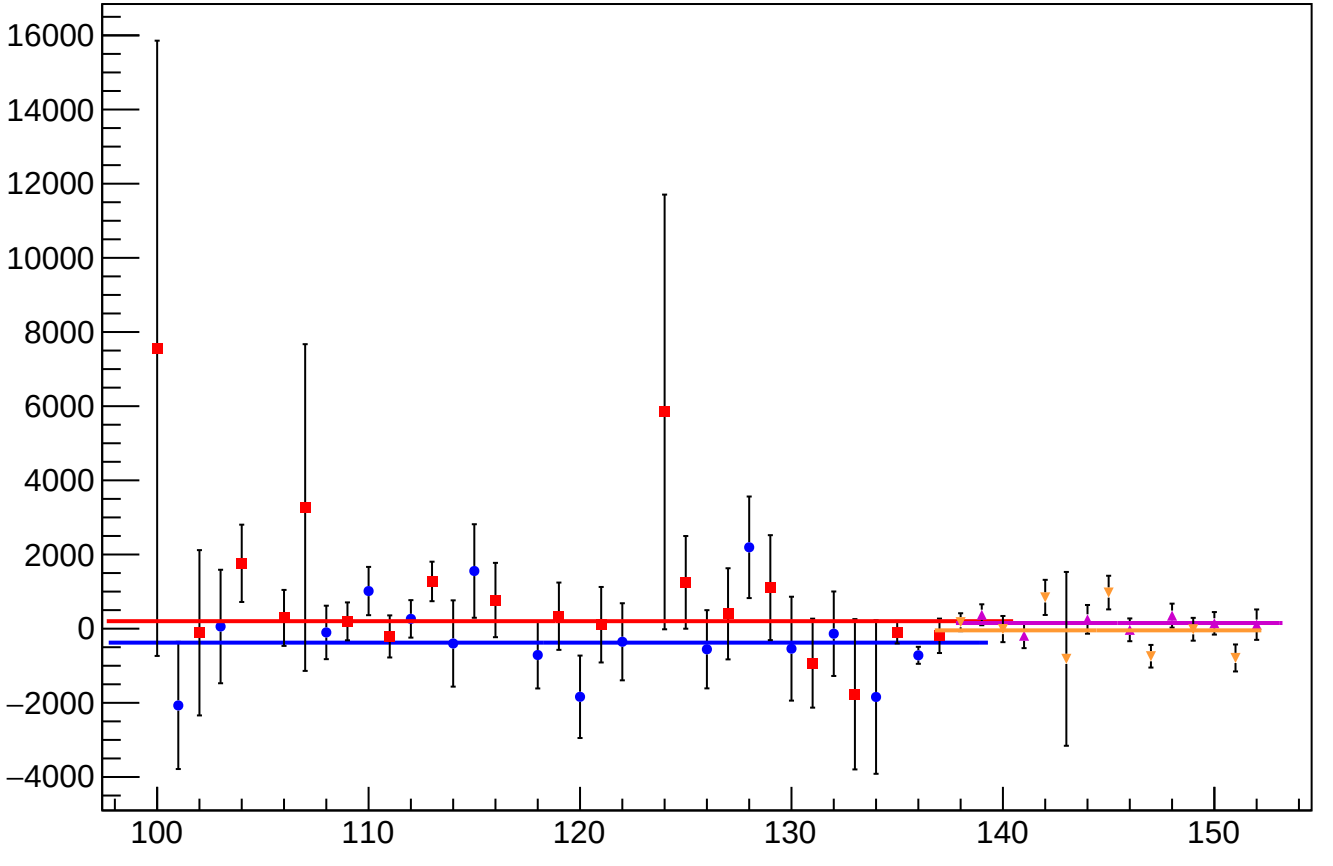
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1283.271+/-0.251 χ^2/NDF:530906.7/22

Out: 1309.072+/-0.254 χ^2/NDF:475303.1/26

All: 1295.988+/-0.179 χ^2/NDF: 1011427.4/49

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: 152.851+/-123.978 χ^2/NDF:2.5/6

Left: 55.015+/-88.187 χ^2/NDF: 22.7/14

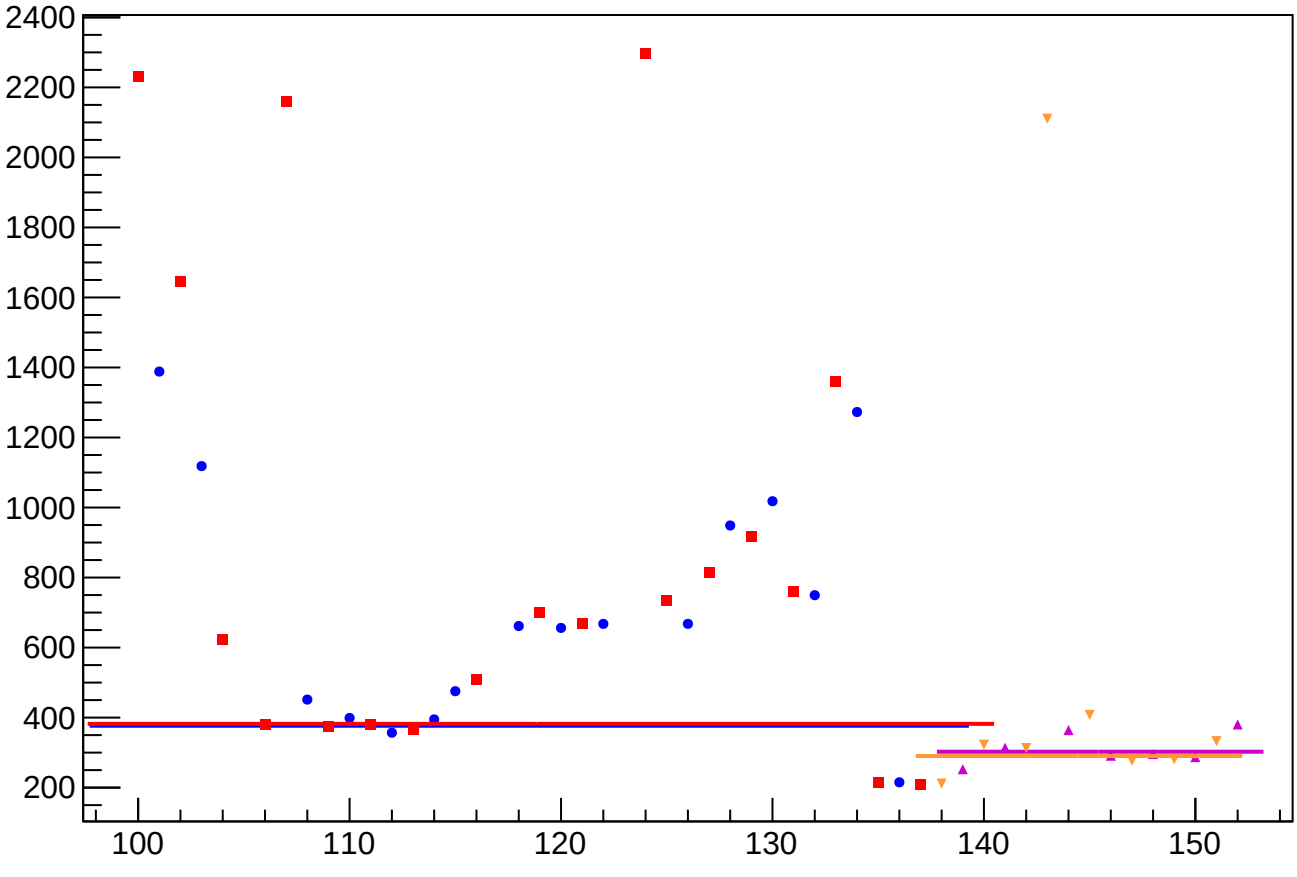
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -33.561+/-99.802 χ^2/NDF:26.8/22

Out: 42.444+/-100.819 χ^2/NDF:34.4/26

All: 4.056+/-70.928 χ^2/NDF: 61.5/49

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: 302.558+/-0.088 χ^2/NDF:196709.3/6

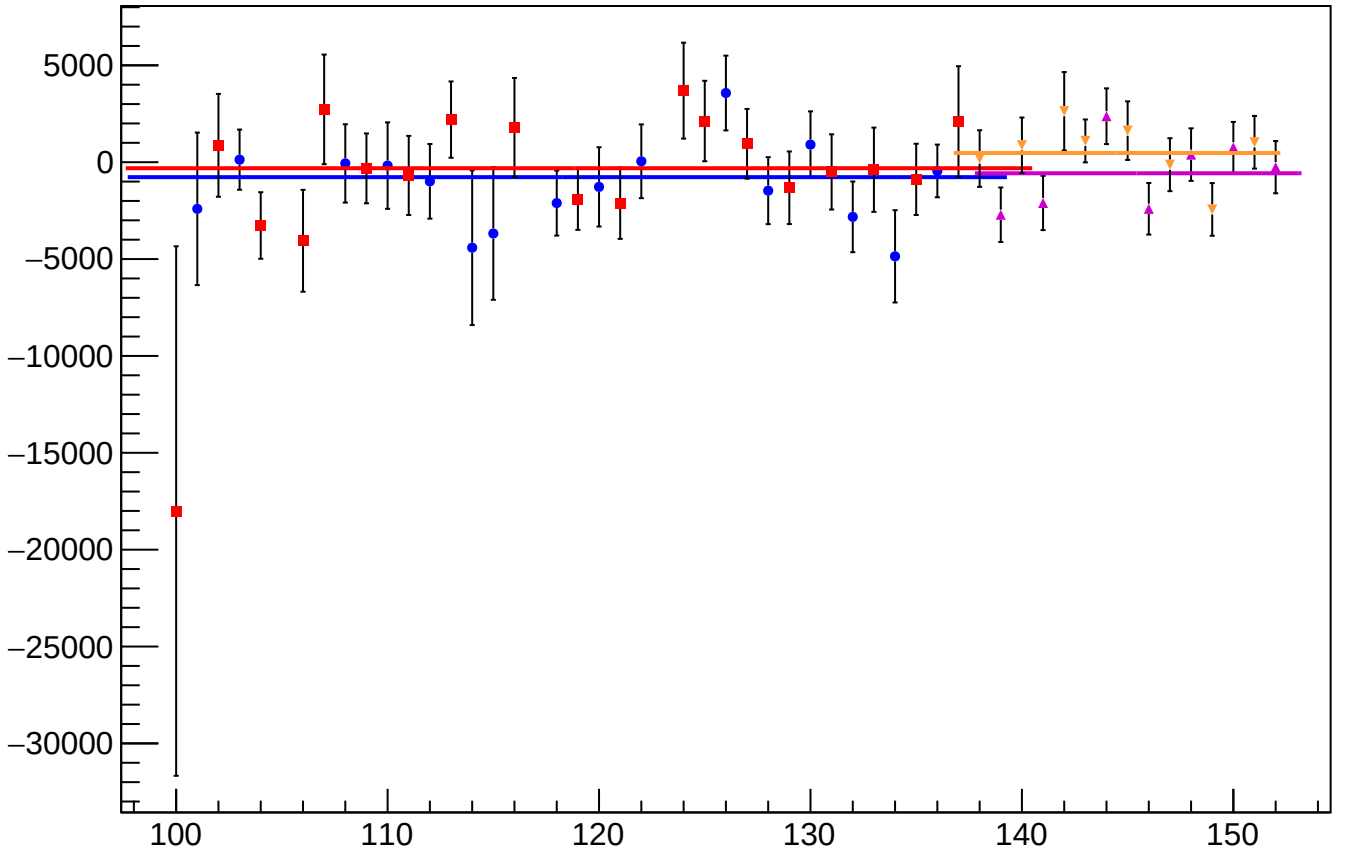
Left: 296.418+/-0.062 χ^2/NDF: 1813223.2/14

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 328.719+/-0.071 χ^2/NDF:4643043.7/22

Out: 322.728+/-0.071 χ^2/NDF:6047232.8/26

All: 325.754+/-0.050 χ^2/NDF: 10693843.0/49



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: -571.168+/-517.296 χ^2/NDF:11.2/6

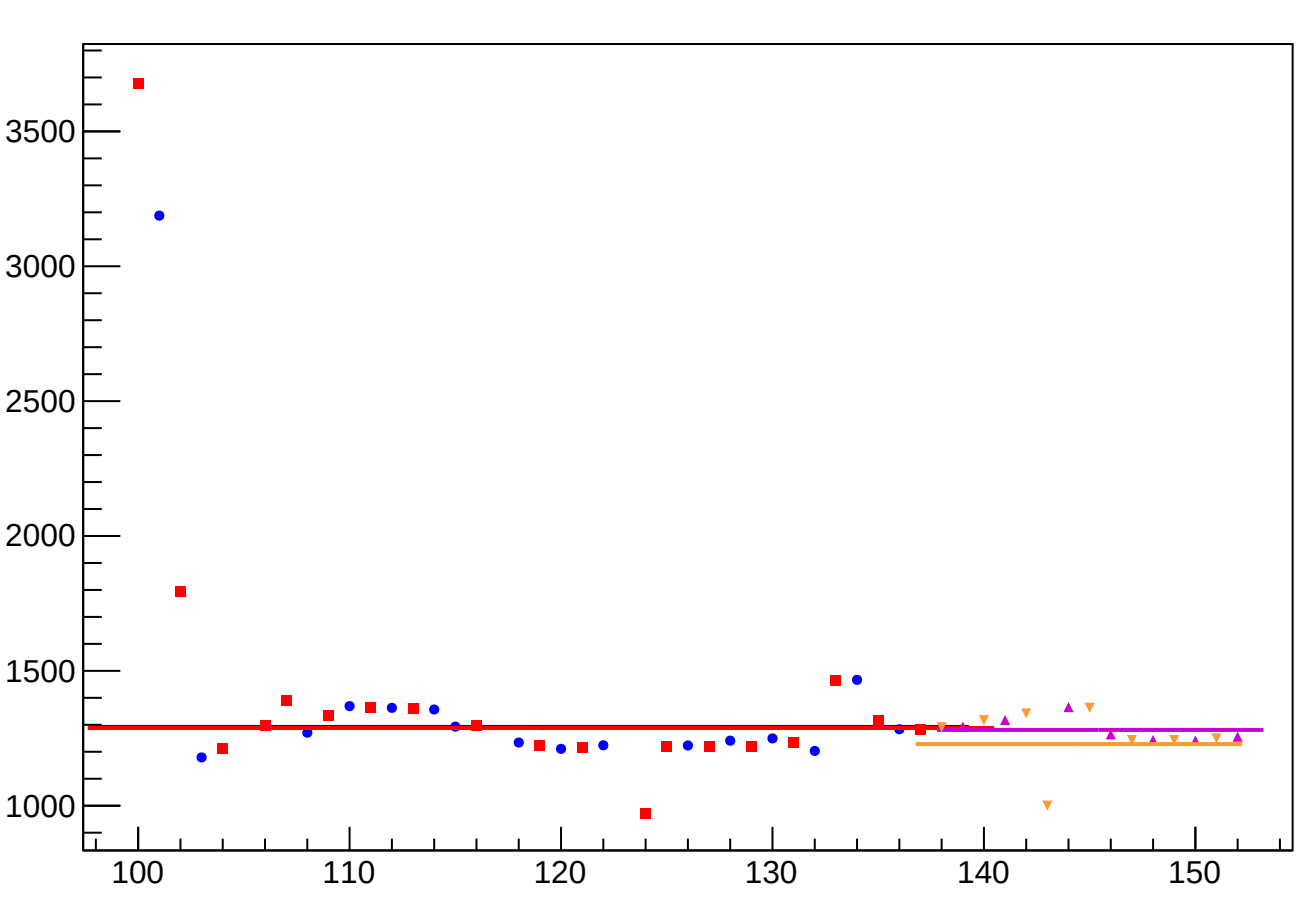
Left: -25.539+/-357.928 χ^2/NDF: 20.4/14

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -676.839+/-355.589 χ^2/NDF:24.9/22

Out: 71.544+/-345.825 χ^2/NDF:26.3/26

All: -292.233+/-247.915 χ^2/NDF: 53.5/49



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: 1281.030+/-0.366 χ^2/NDF:12720.2/6

Left: 1253.694+/-0.253 χ^2/NDF: 142777.5/14

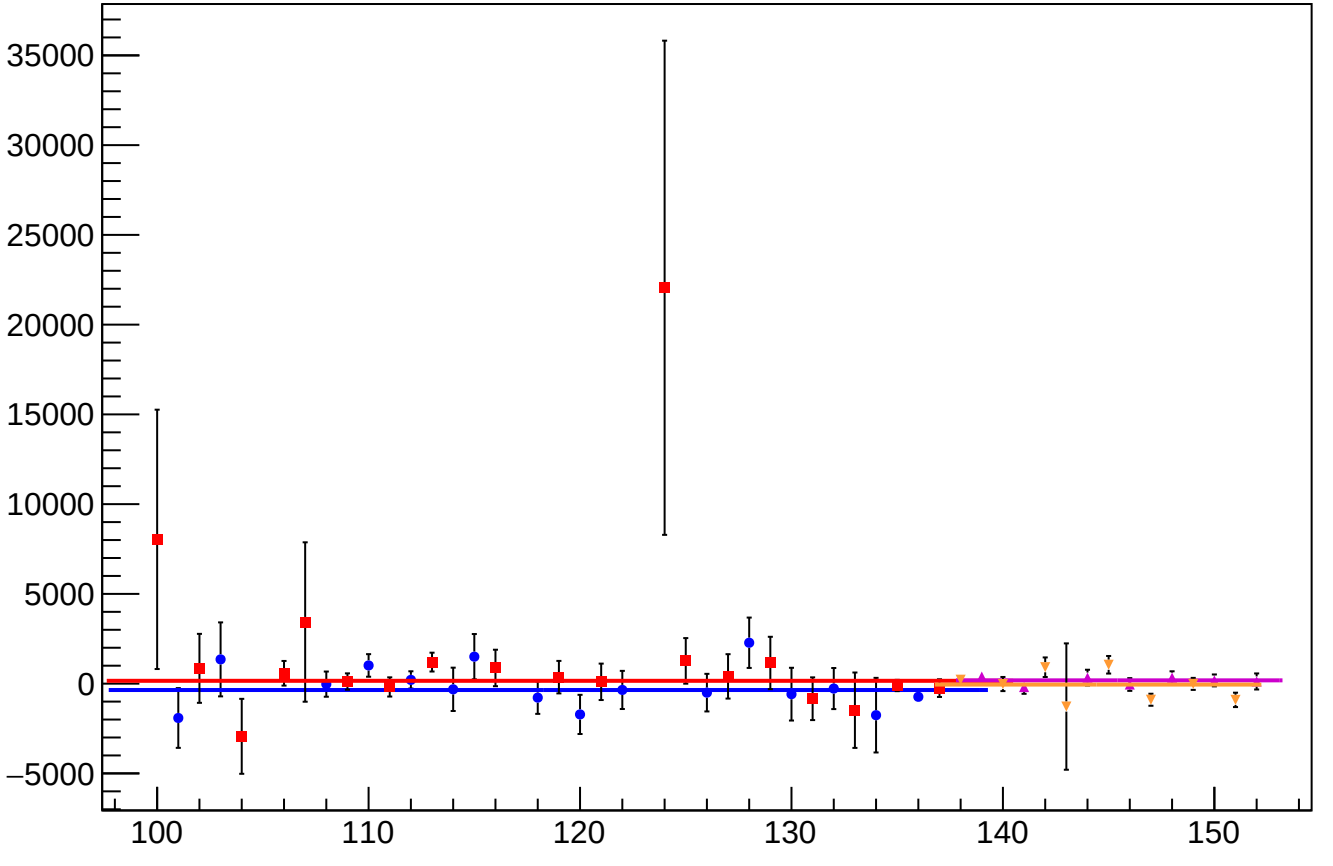
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1286.836+/-0.251 χ^2/NDF:522604.2/22

Out: 1259.083+/-0.245 χ^2/NDF:343293.1/26

All: 1272.574+/-0.175 χ^2/NDF: 872158.4/49

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: 183.633+/-134.428 χ^2/NDF:2.3/6

Left: 66.342+/-95.211 χ^2/NDF: 24.3/14

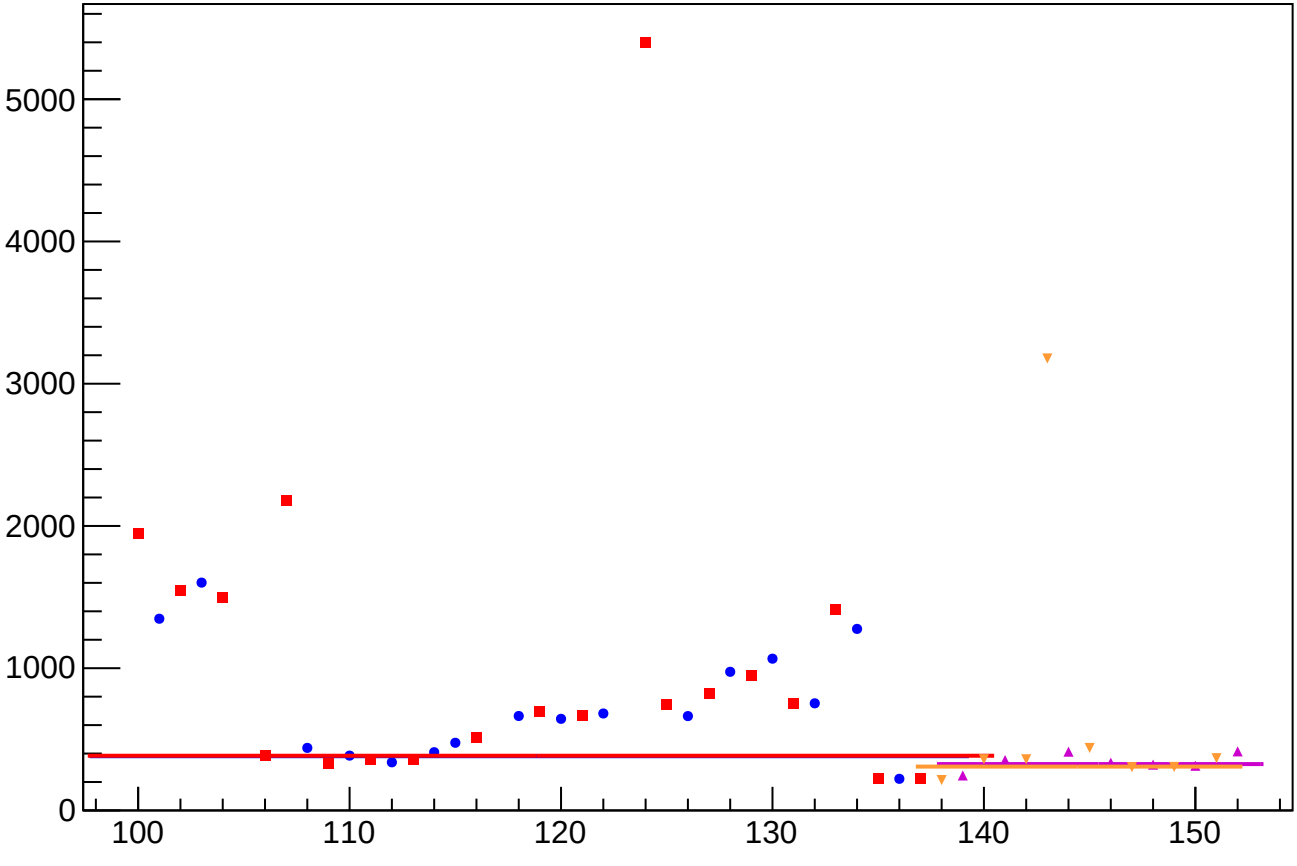
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -23.723+/-105.437 χ^2/NDF:26.9/22

Out: 29.456+/-105.577 χ^2/NDF:37.3/26

All: 2.831+/-74.605 χ^2/NDF: 64.3/49

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: 325.974+/-0.095 χ^2/NDF:341981.8/6

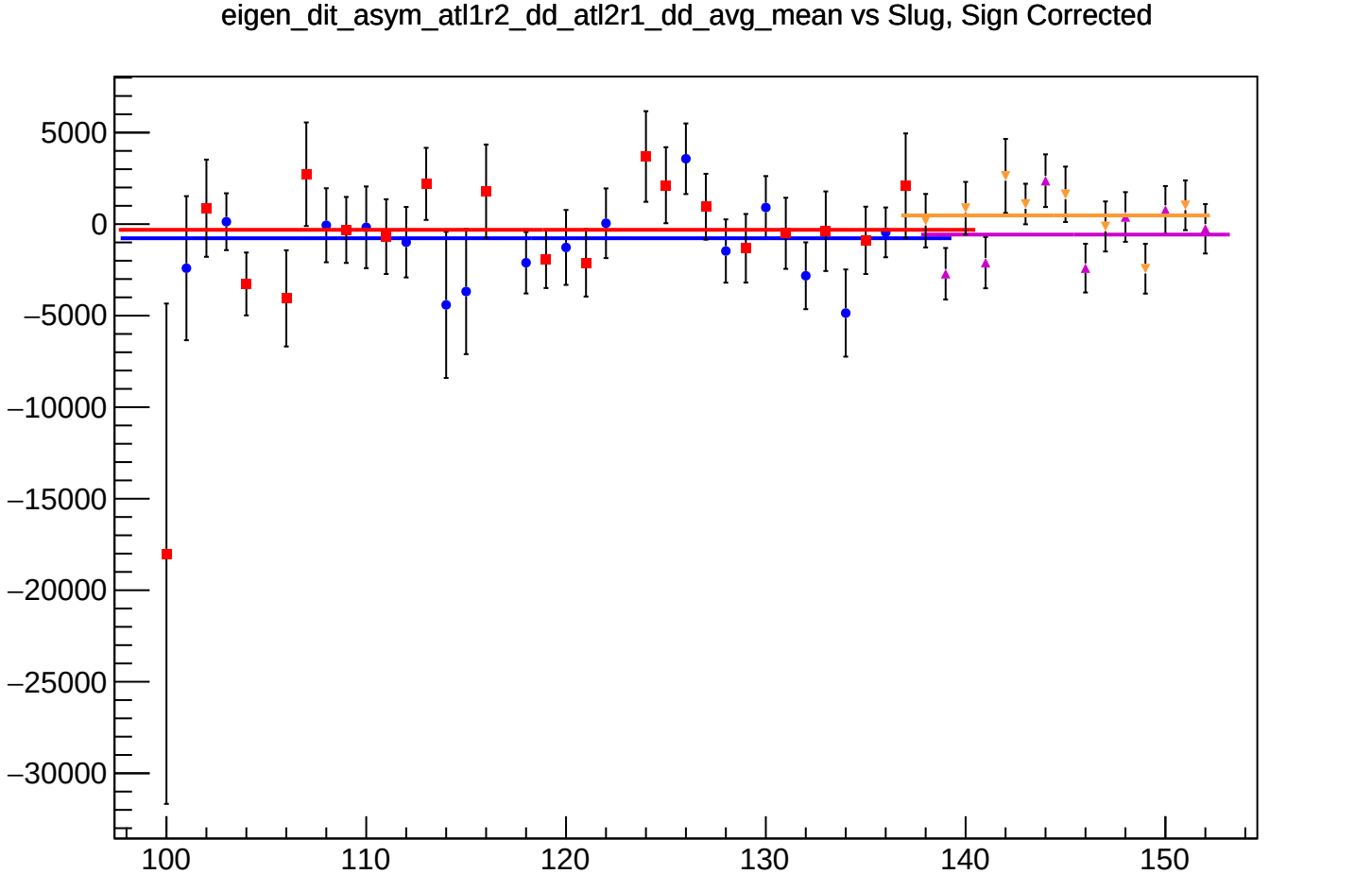
Left: 317.196+/-0.067 χ^2/NDF: 2230020.0/14

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 347.283+/-0.075 χ^2/NDF:4790499.1/22

Out: 337.902+/-0.075 χ^2/NDF:6678926.3/26

All: 342.598+/-0.053 χ^2/NDF: 11477330.4/49



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 475.610+/-495.763 χ^2/NDF:7.1/7

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -571.165+/-517.296 χ^2/NDF:11.2/6

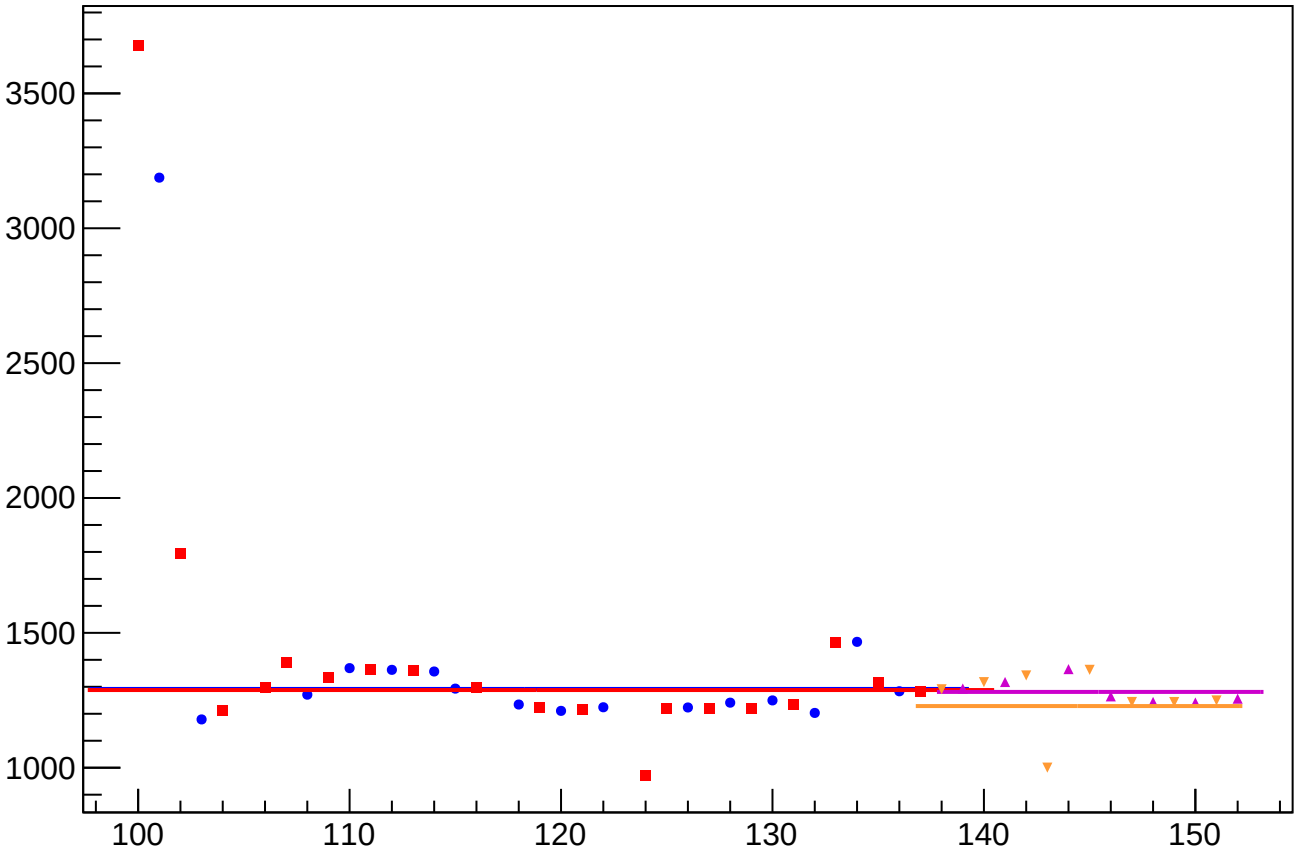
Left: -25.538+/-357.928 χ^2/NDF: 20.4/14

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -676.839+/-355.589 χ^2/NDF:24.9/22

Out: 71.543+/-345.825 χ^2/NDF:26.3/26

All: -292.233+/-247.915 χ^2/NDF: 53.5/49



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: 1281.030+/-0.366 χ^2/NDF:12720.3/6

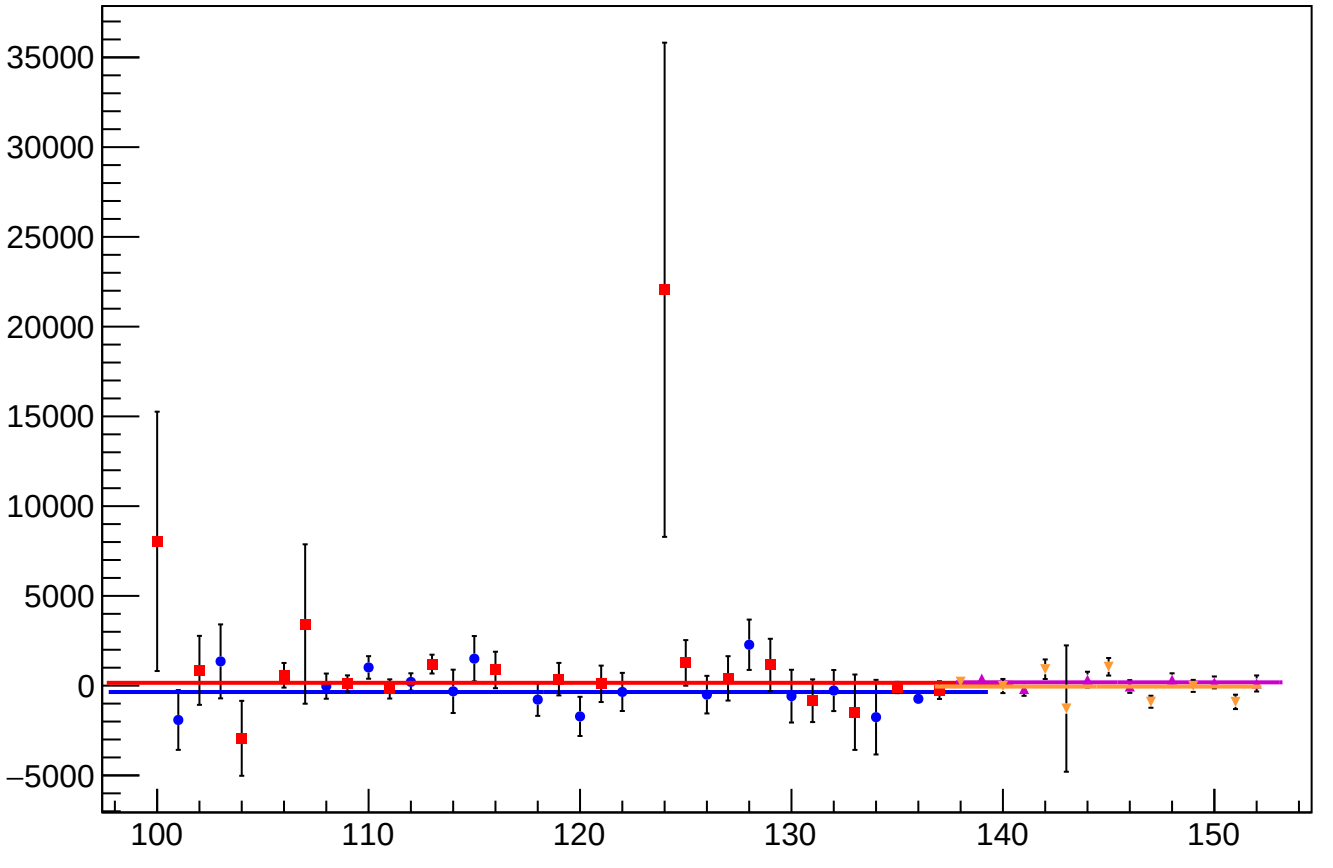
Left: 1253.694+/-0.253 χ^2/NDF: 142776.7/14

Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1286.836+/-0.251 χ^2/NDF:522604.2/22

Out: 1259.084+/-0.245 χ^2/NDF:343292.5/26

All: 1272.574+/-0.175 χ^2/NDF: 872157.7/49



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: 183.634+/-134.429 χ^2/NDF:2.3/6

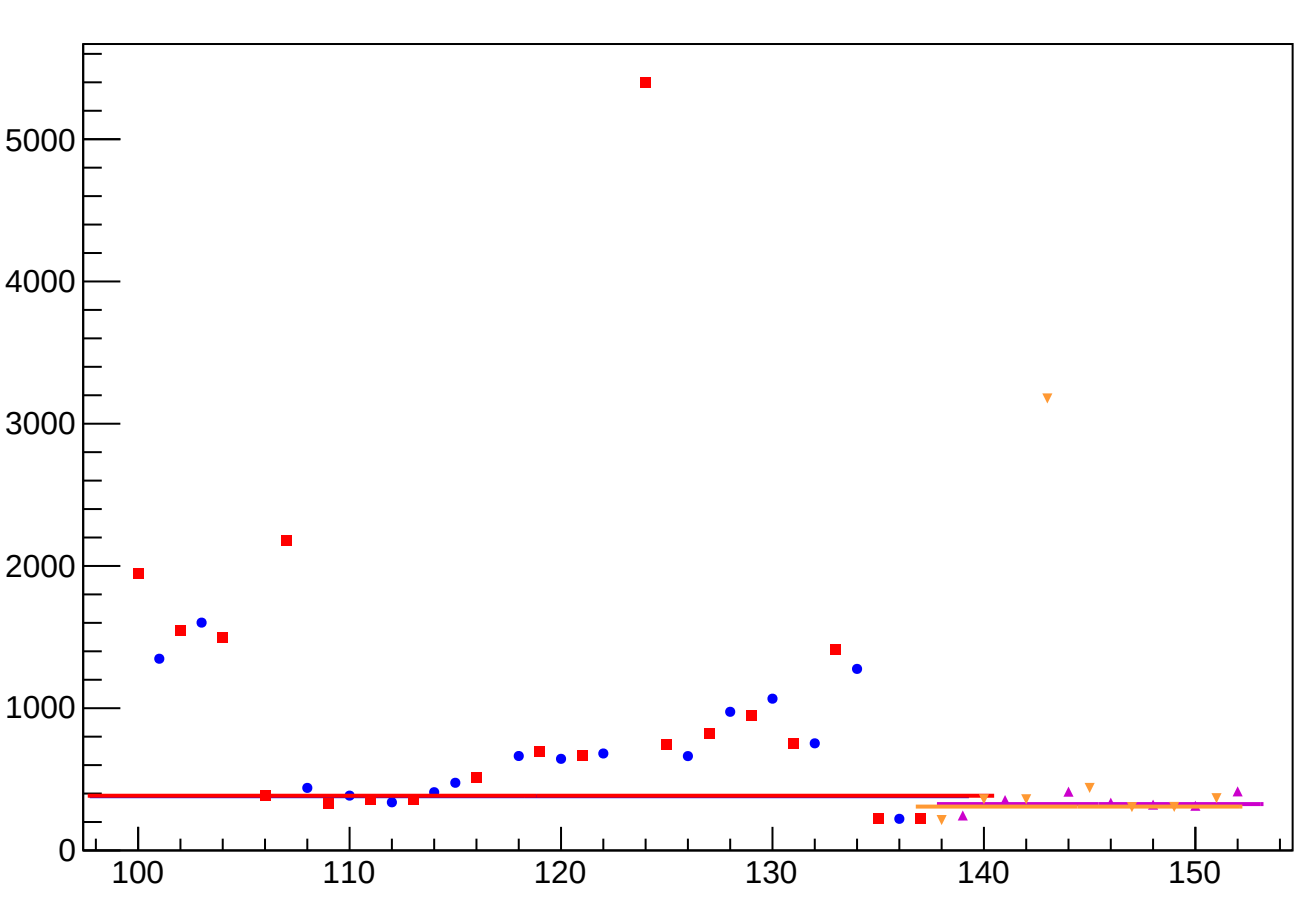
Left: 66.339+/-95.212 χ^2/NDF: 24.3/14

Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -23.721+/-105.439 χ^2/NDF:26.9/22

Out: 29.452+/-105.579 χ^2/NDF:37.3/26

All: 2.831+/-74.606 χ^2/NDF: 64.3/49



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: 325.979+/-0.095 χ^2/NDF:341907.6/6

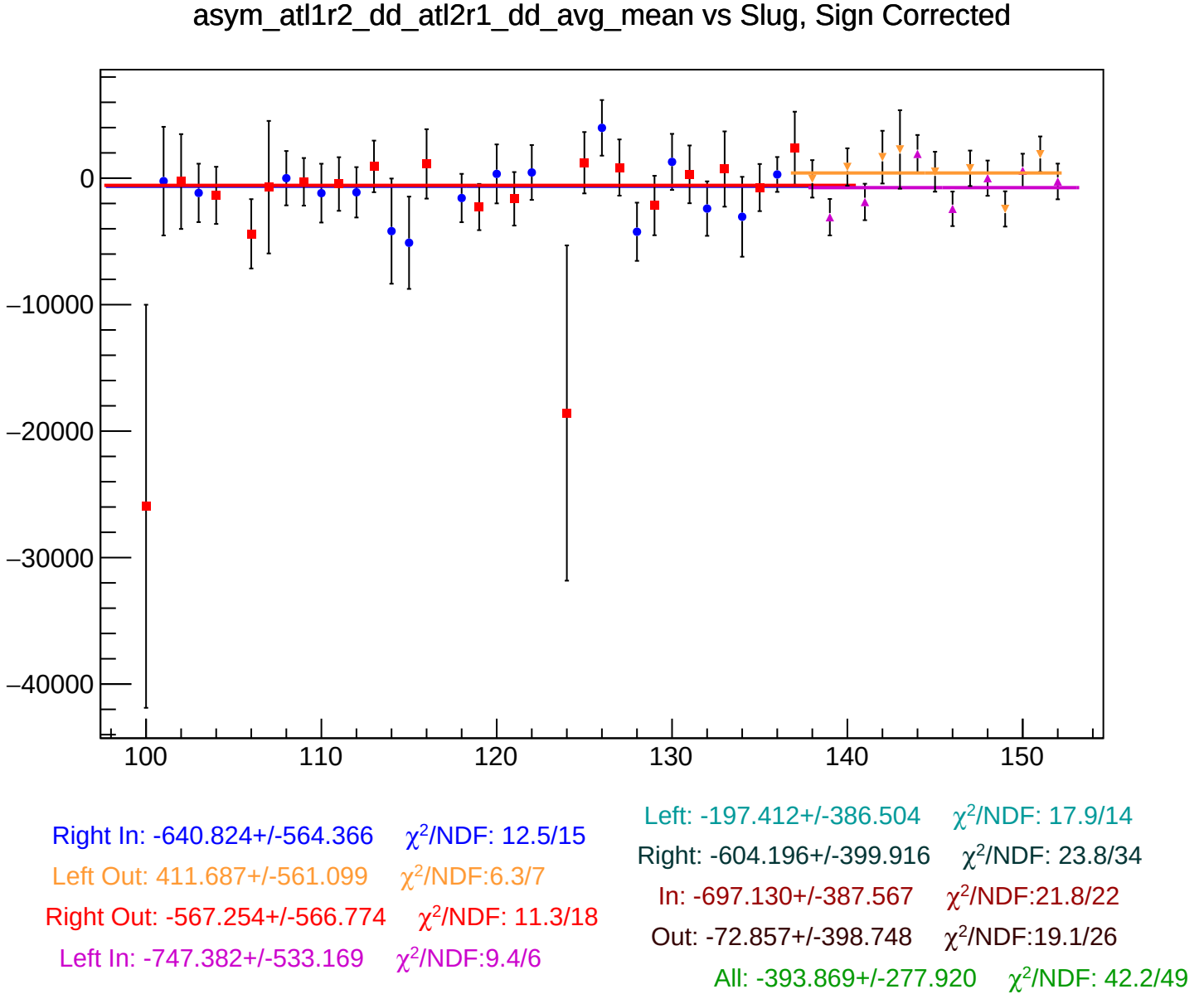
Left: 317.203+/-0.067 χ^2/NDF: 2229826.4/14

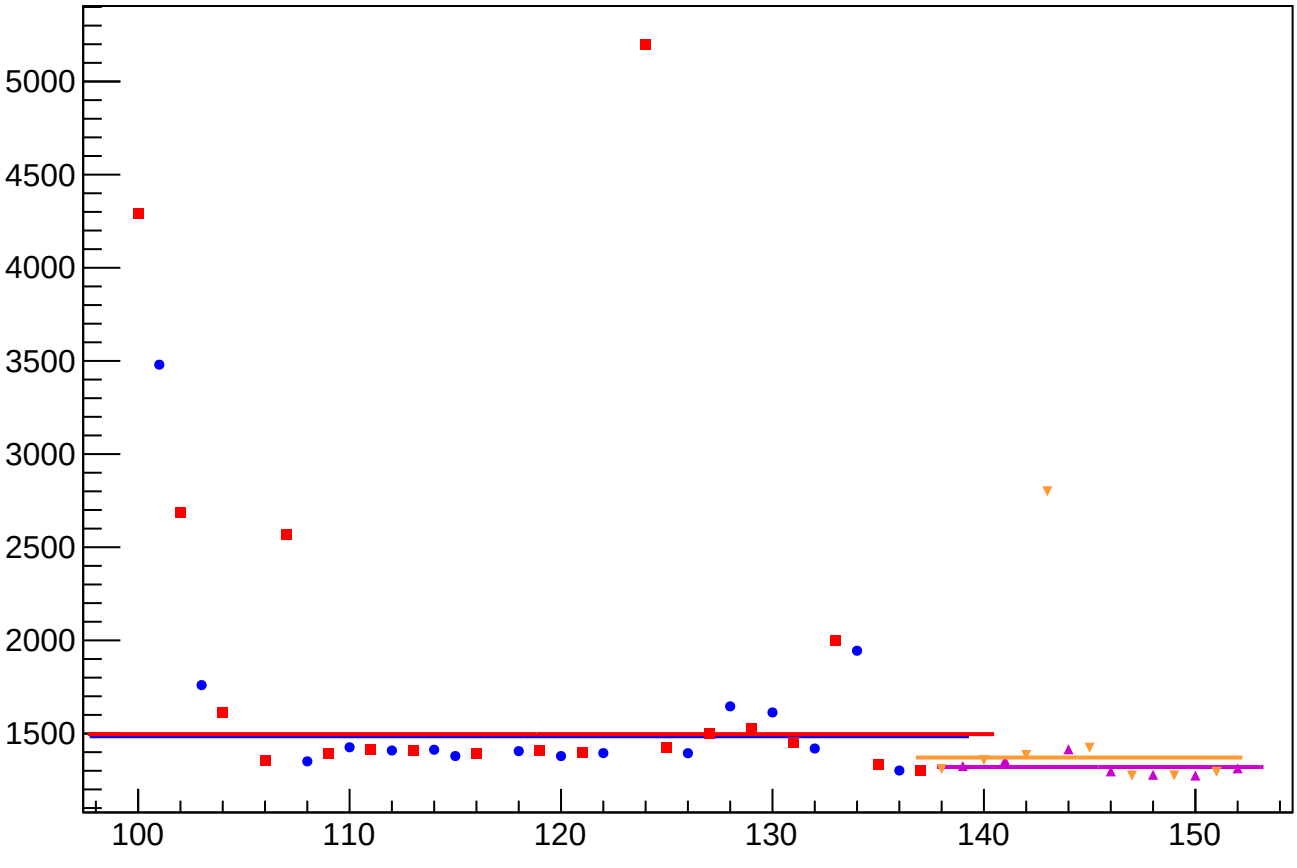
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 347.289+/-0.075 χ^2/NDF:4790258.8/22

Out: 337.910+/-0.075 χ^2/NDF:6678667.1/26

All: 342.606+/-0.053 χ^2/NDF: 11476829.3/49


asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: 411.687+/-561.099 χ²/NDF:6.3/7
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -747.382+/-533.169 χ²/NDF:9.4/6
Left: -197.412+/-386.504 χ²/NDF: 17.9/14
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -697.130+/-387.567 χ²/NDF:21.8/22
Out: -72.857+/-398.748 χ²/NDF:19.1/26
All: -393.869+/-277.920 χ²/NDF: 42.2/49



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: 1320.213+/-0.377 χ^2/NDF:14095.6/6

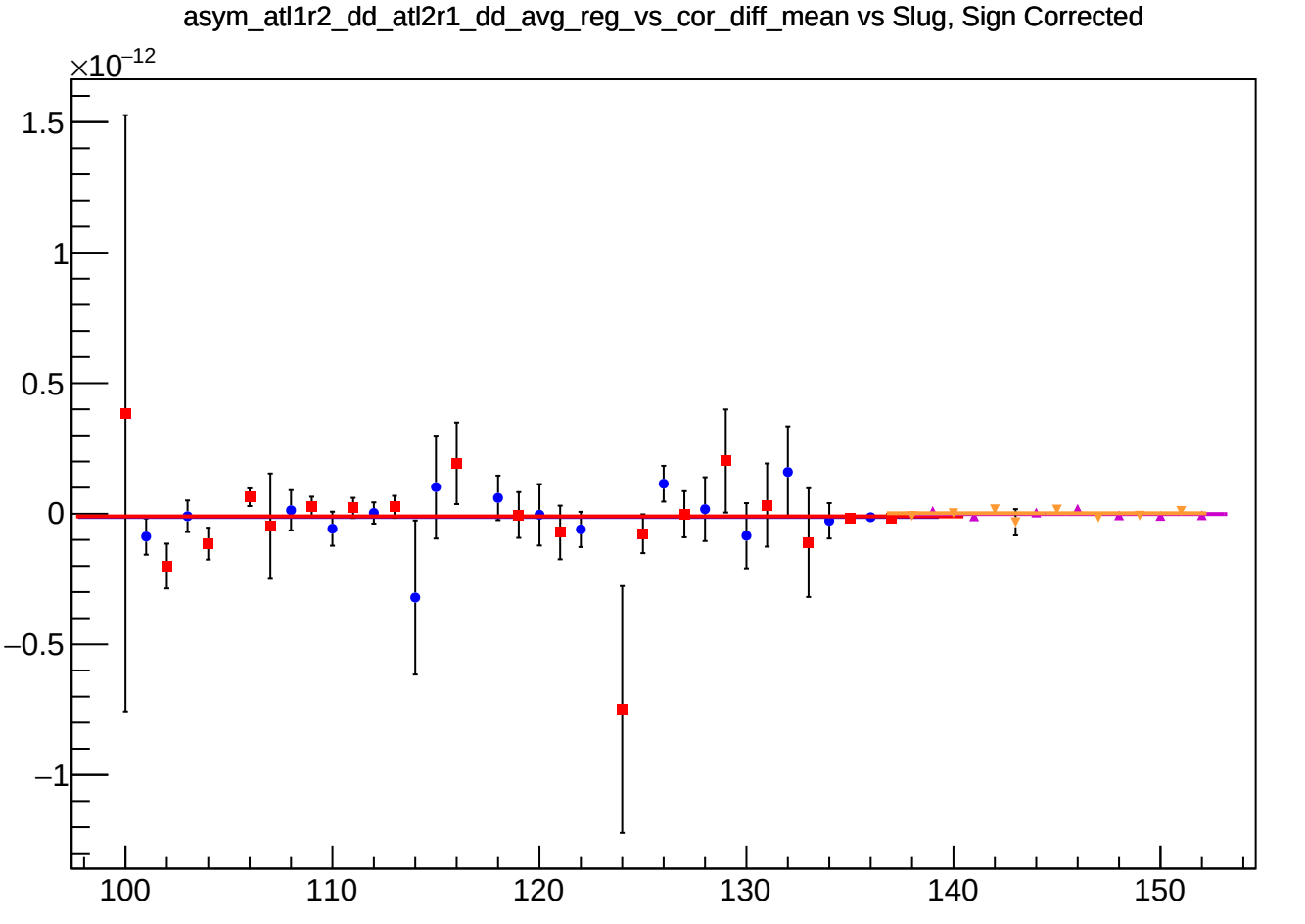
Left: 1344.406+/-0.273 χ^2/NDF: 477861.5/14

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1398.101+/-0.274 χ^2/NDF:689070.1/22

Out: 1433.400+/-0.282 χ^2/NDF:1128035.4/26

All: 1415.249+/-0.197 χ^2/NDF: 1825165.2/49



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:8.9/6

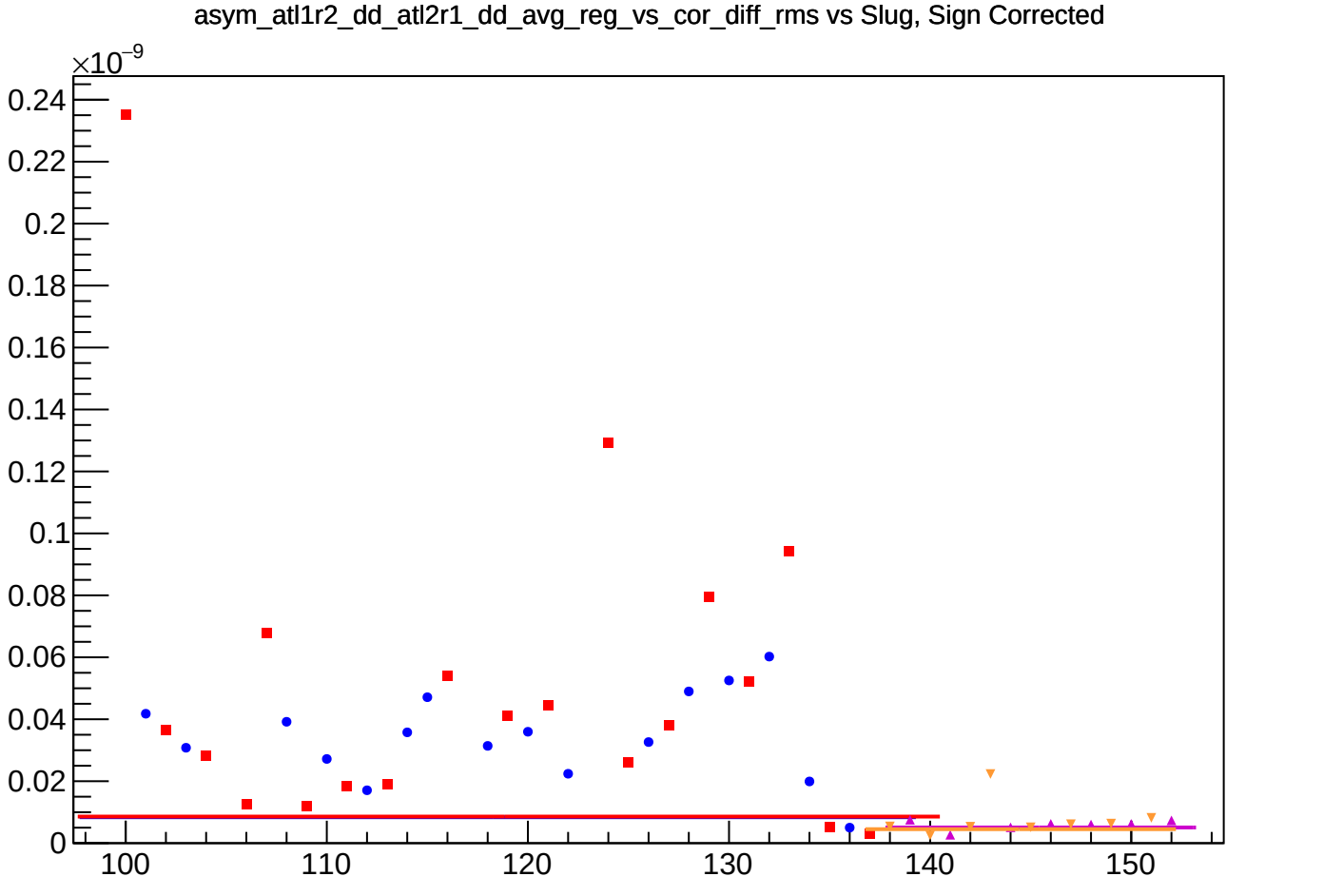
Left: 0.000+/-0.000 χ^2/NDF: 19.2/14

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:20.3/22

Out: 0.000+/-0.000 χ^2/NDF:34.2/26

All: -0.000+/-0.000 χ^2/NDF: 55.1/49



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:566513.4/6

Left: 0.000+/-0.000 χ^2/NDF: 1504530.4/14

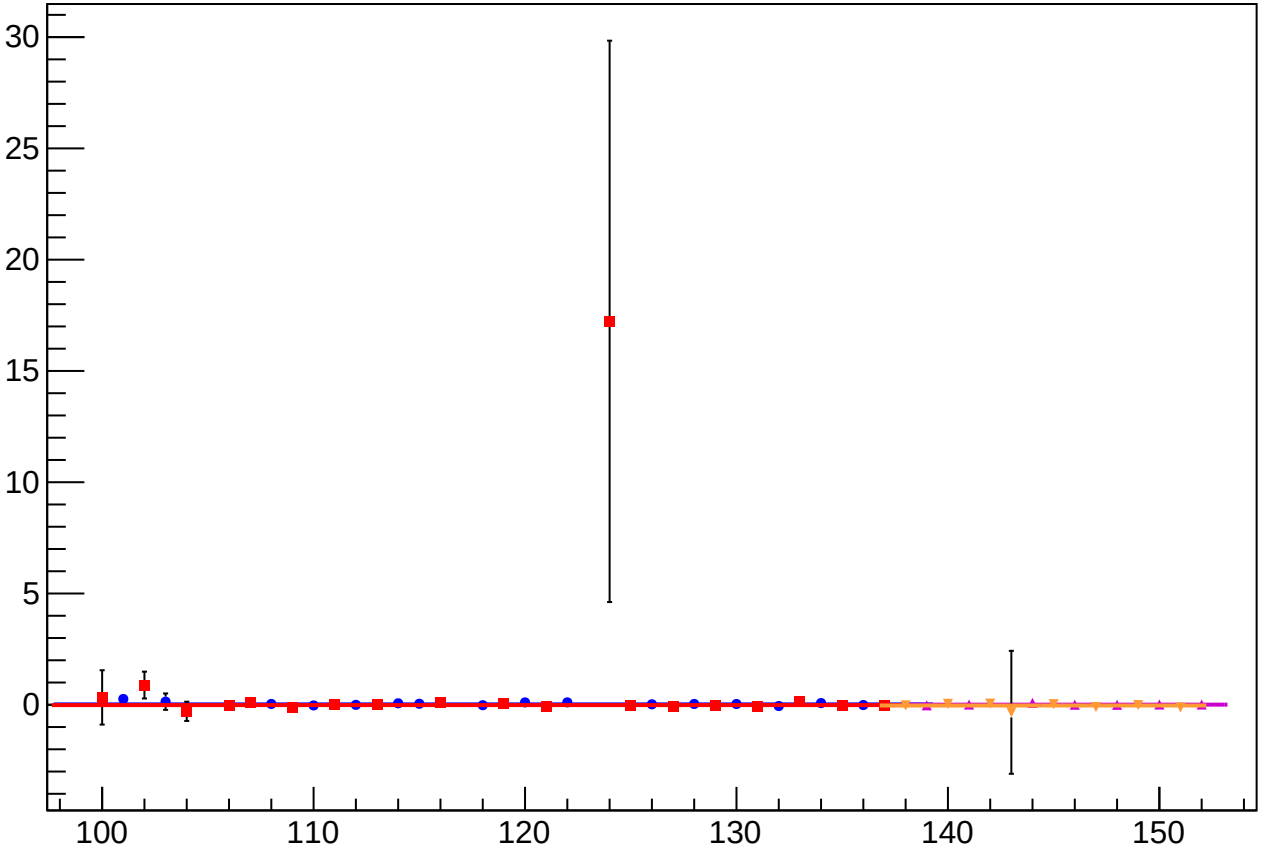
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3956882.0/22

Out: 0.000+/-0.000 χ^2/NDF:4702209.1/26

All: 0.000+/-0.000 χ^2/NDF: 8693659.3/49

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: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.013+/-0.010 χ^2/NDF: 22.0/14

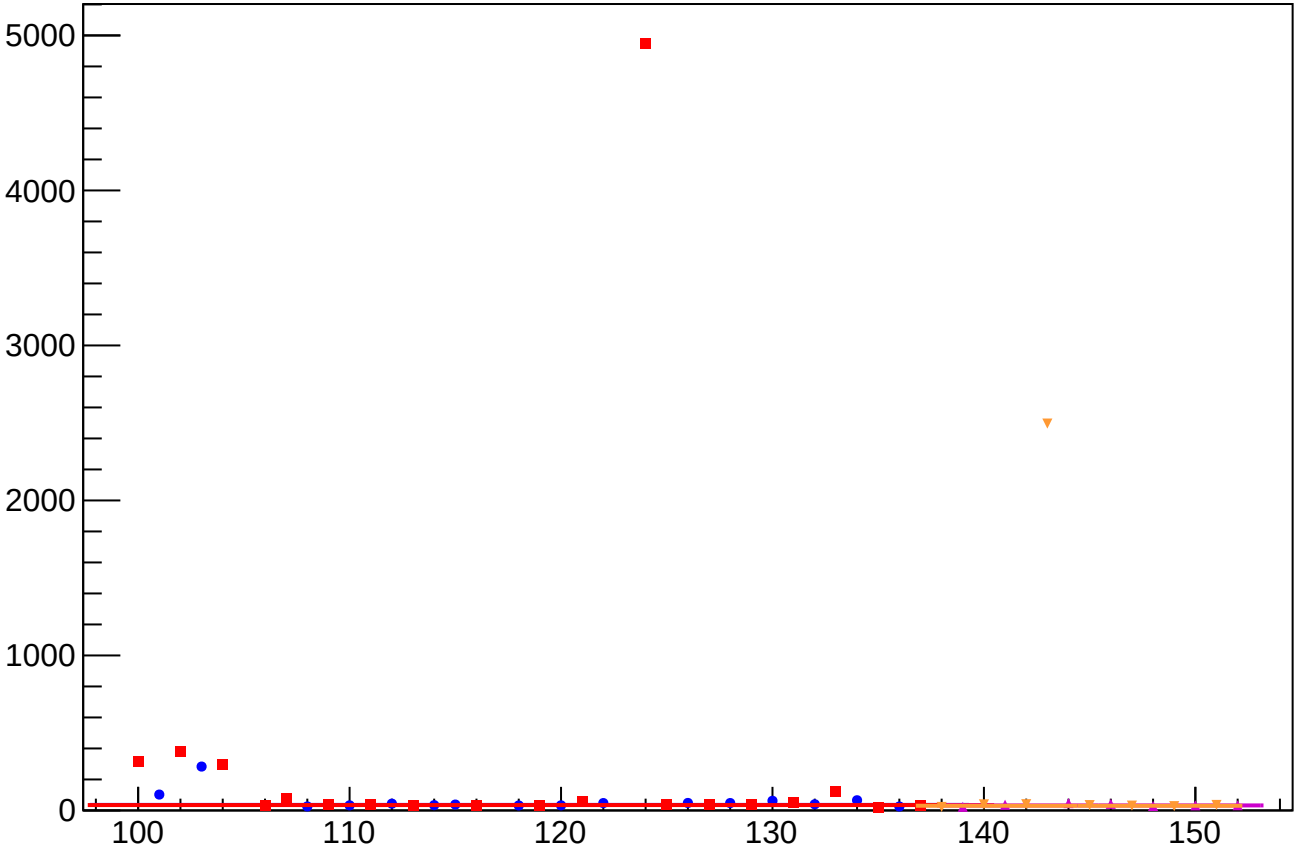
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.006+/-0.007 χ^2/NDF: 52.4/49

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: 32.493+/-0.010 χ^2/NDF:481357.8/6

Left: 31.411+/-0.007 χ^2/NDF: 2445848.9/14

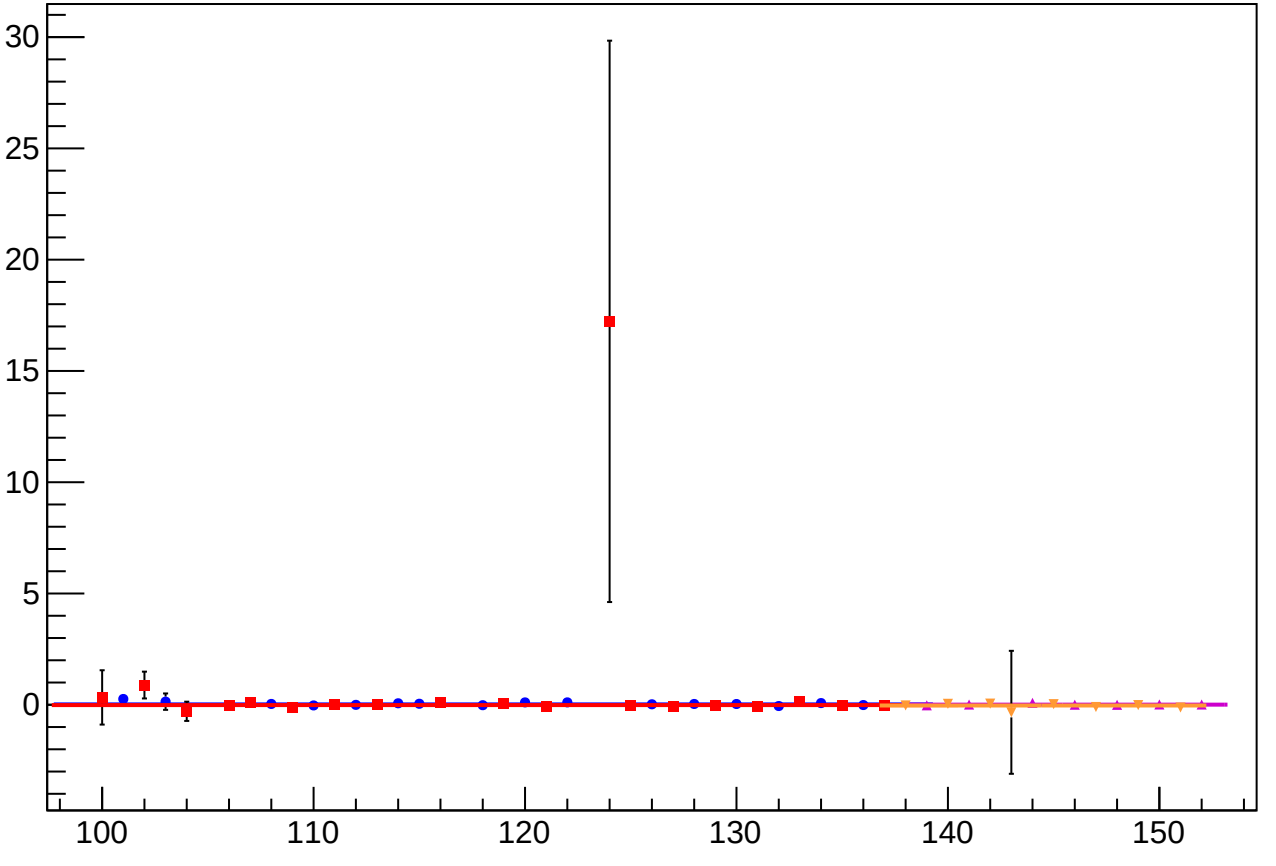
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.019+/-0.007 χ^2/NDF:2793052.1/22

Out: 32.390+/-0.007 χ^2/NDF:4944357.8/26

All: 33.203+/-0.005 χ^2/NDF: 7761131.0/49

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: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.013+/-0.010 χ^2/NDF: 22.0/14

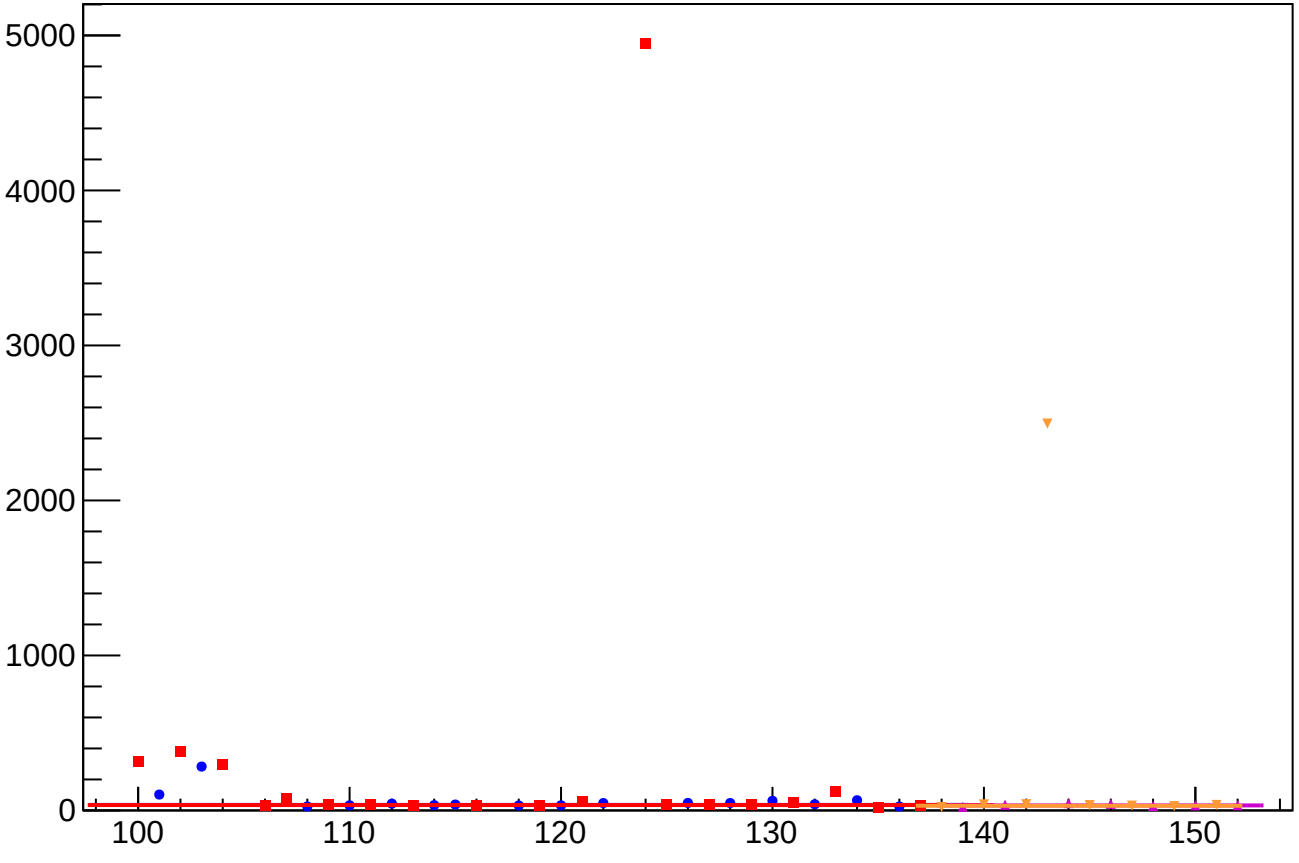
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.006+/-0.007 χ^2/NDF: 52.4/49

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: 32.493+/-0.010 χ^2/NDF:481357.8/6

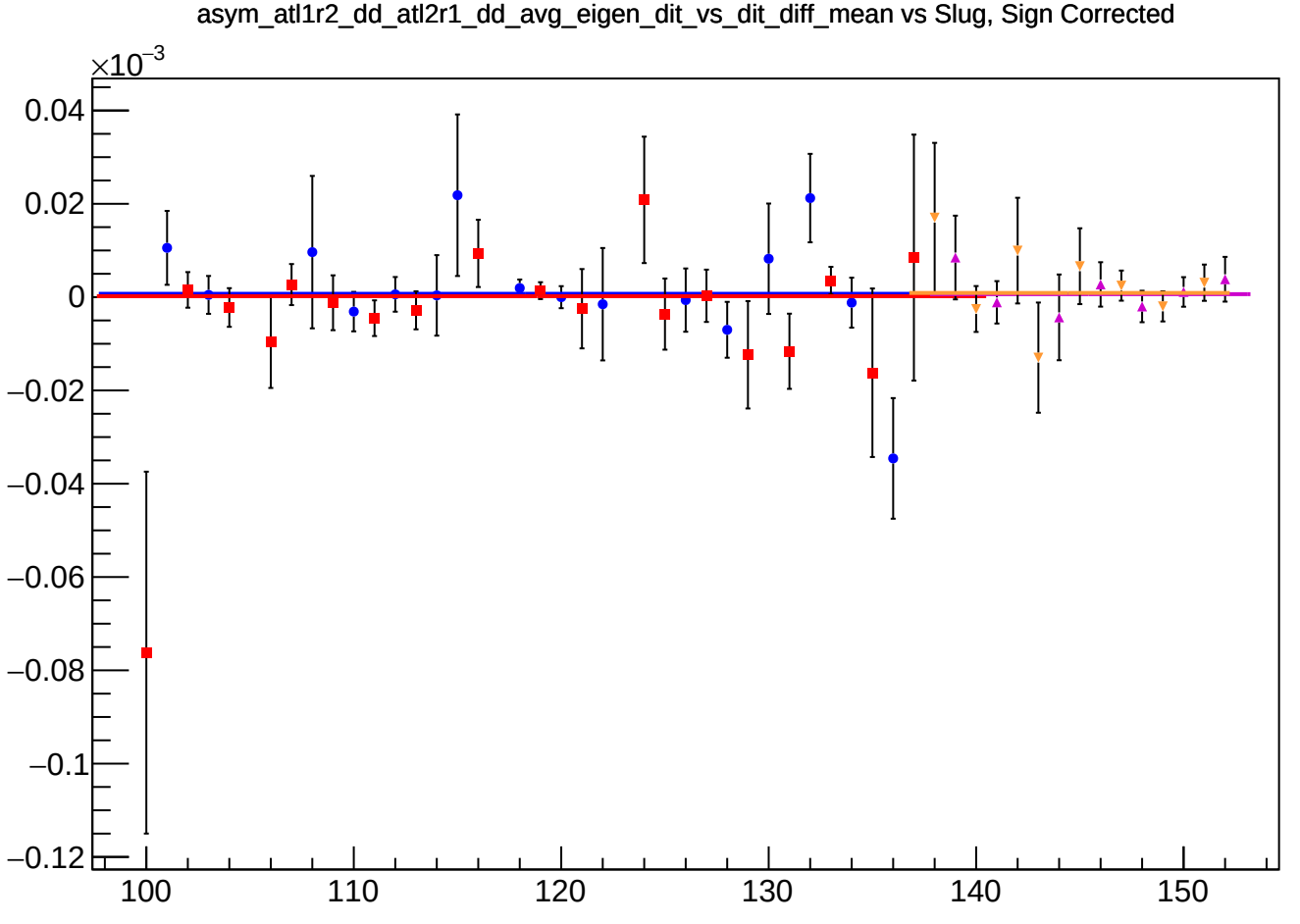
Left: 31.411+/-0.007 χ^2/NDF: 2445848.9/14

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.019+/-0.007 χ^2/NDF:2793052.1/22

Out: 32.390+/-0.007 χ^2/NDF:4944357.8/26

All: 33.203+/-0.005 χ^2/NDF: 7761131.0/49



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:2.5/6

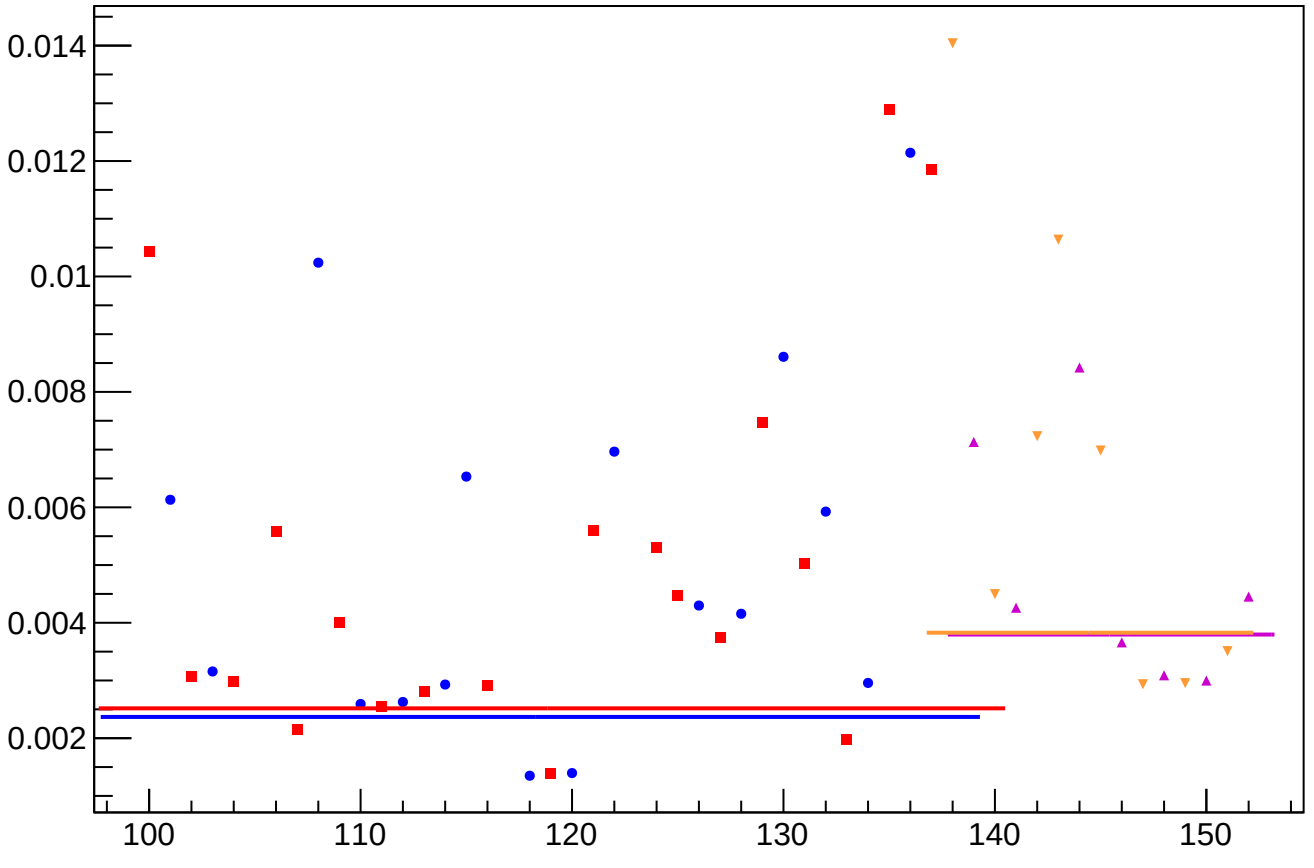
Left: 0.000+/-0.000 χ^2/NDF: 7.9/14

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:21.6/22

Out: 0.000+/-0.000 χ^2/NDF:23.6/26

All: 0.000+/-0.000 χ^2/NDF: 45.2/49



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:1057970.7/6

Left: 0.004+/-0.000 χ^2/NDF: 3366779.6/14

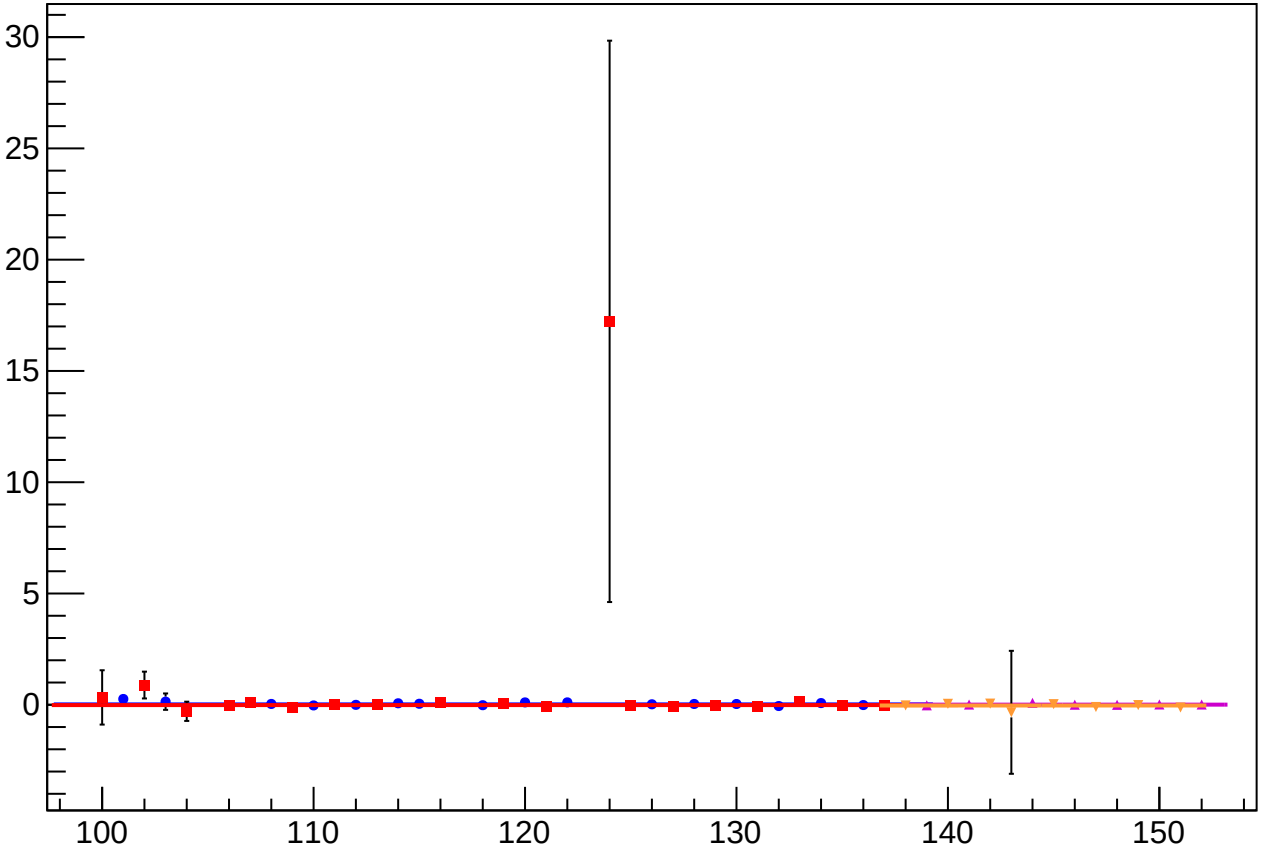
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6774062.3/22

Out: 0.003+/-0.000 χ^2/NDF:6536868.2/26

All: 0.003+/-0.000 χ^2/NDF: 13318922.0/49

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: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.013+/-0.010 χ^2/NDF: 22.0/14

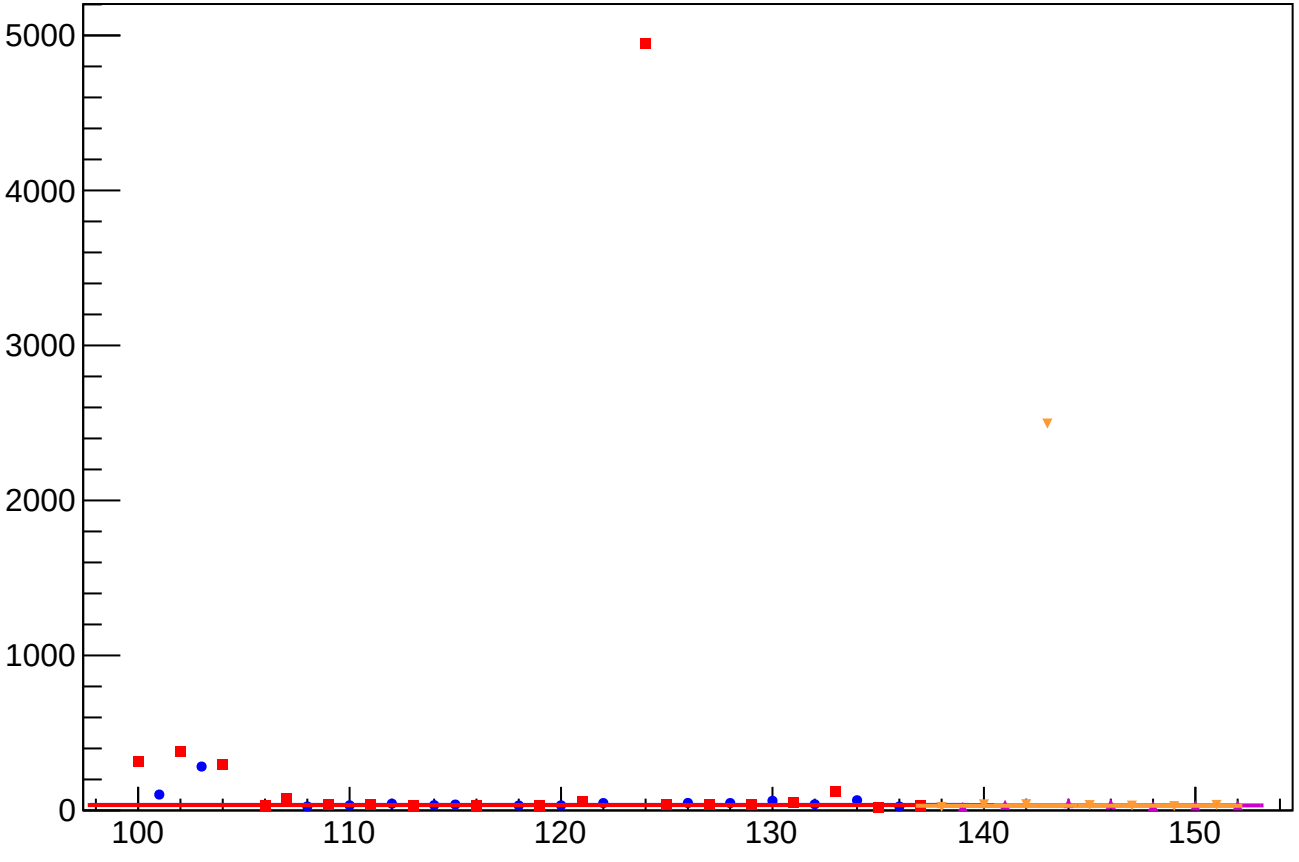
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.006+/-0.007 χ^2/NDF: 52.4/49

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: 32.491+/-0.010 χ^2/NDF:481691.3/6

Left: 31.410+/-0.007 χ^2/NDF: 2446375.9/14

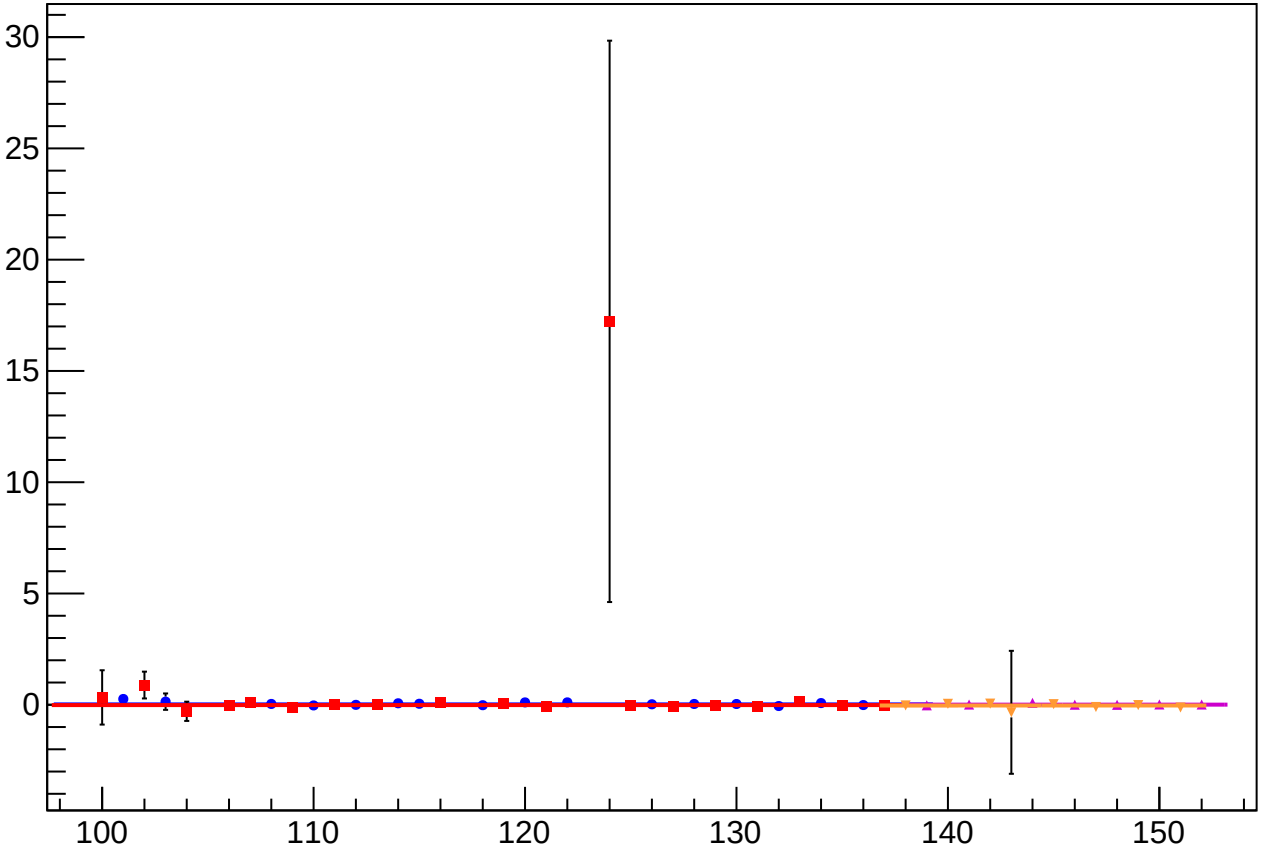
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.019+/-0.007 χ^2/NDF:2793215.3/22

Out: 32.390+/-0.007 χ^2/NDF:4944458.6/26

All: 33.203+/-0.005 χ^2/NDF: 7761371.1/49

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: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.013+/-0.010 χ^2/NDF: 22.0/14

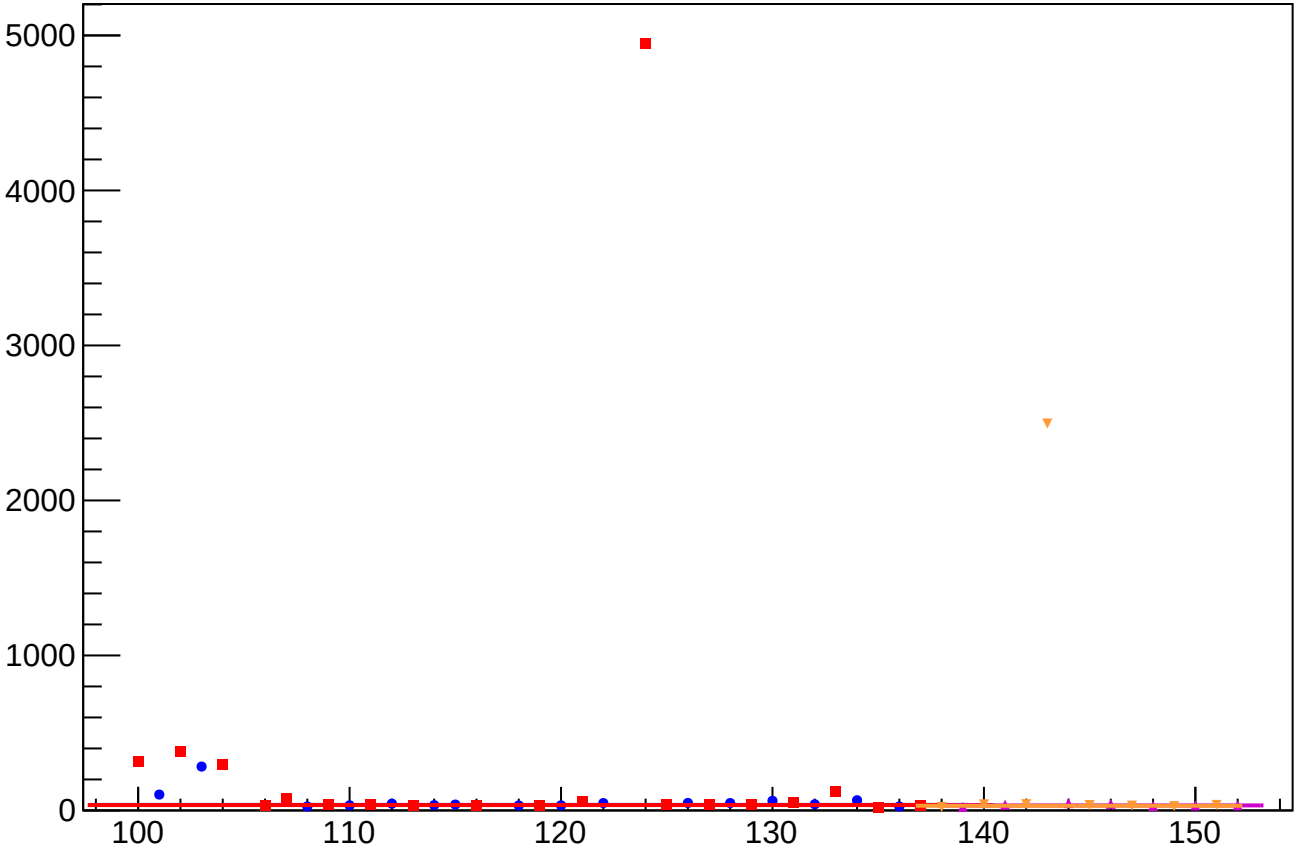
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.024+/-0.011 χ^2/NDF:31.8/26

All: -0.006+/-0.007 χ^2/NDF: 52.4/49

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: 32.491+/-0.010 χ^2/NDF:481691.3/6

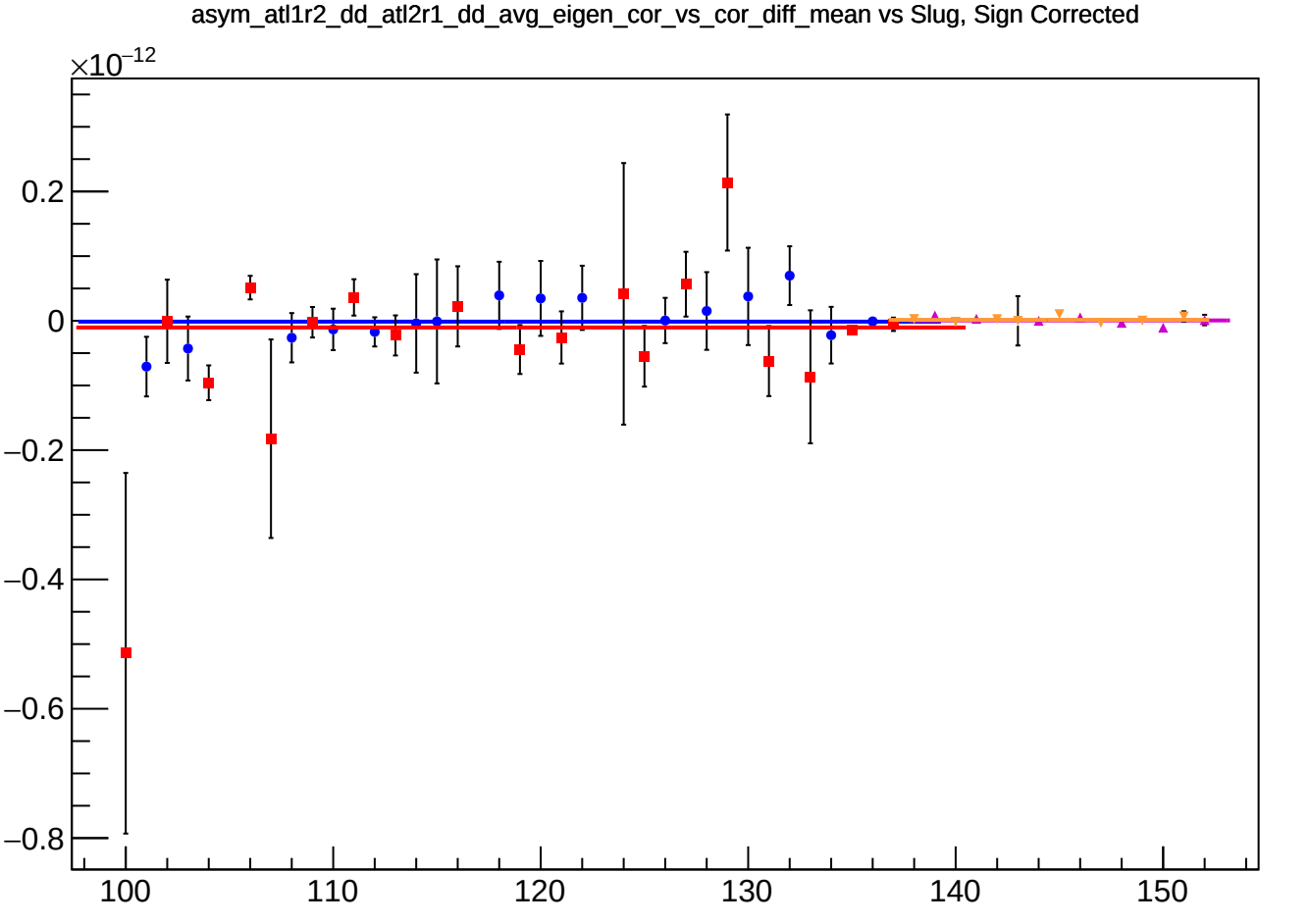
Left: 31.410+/-0.007 χ^2/NDF: 2446375.9/14

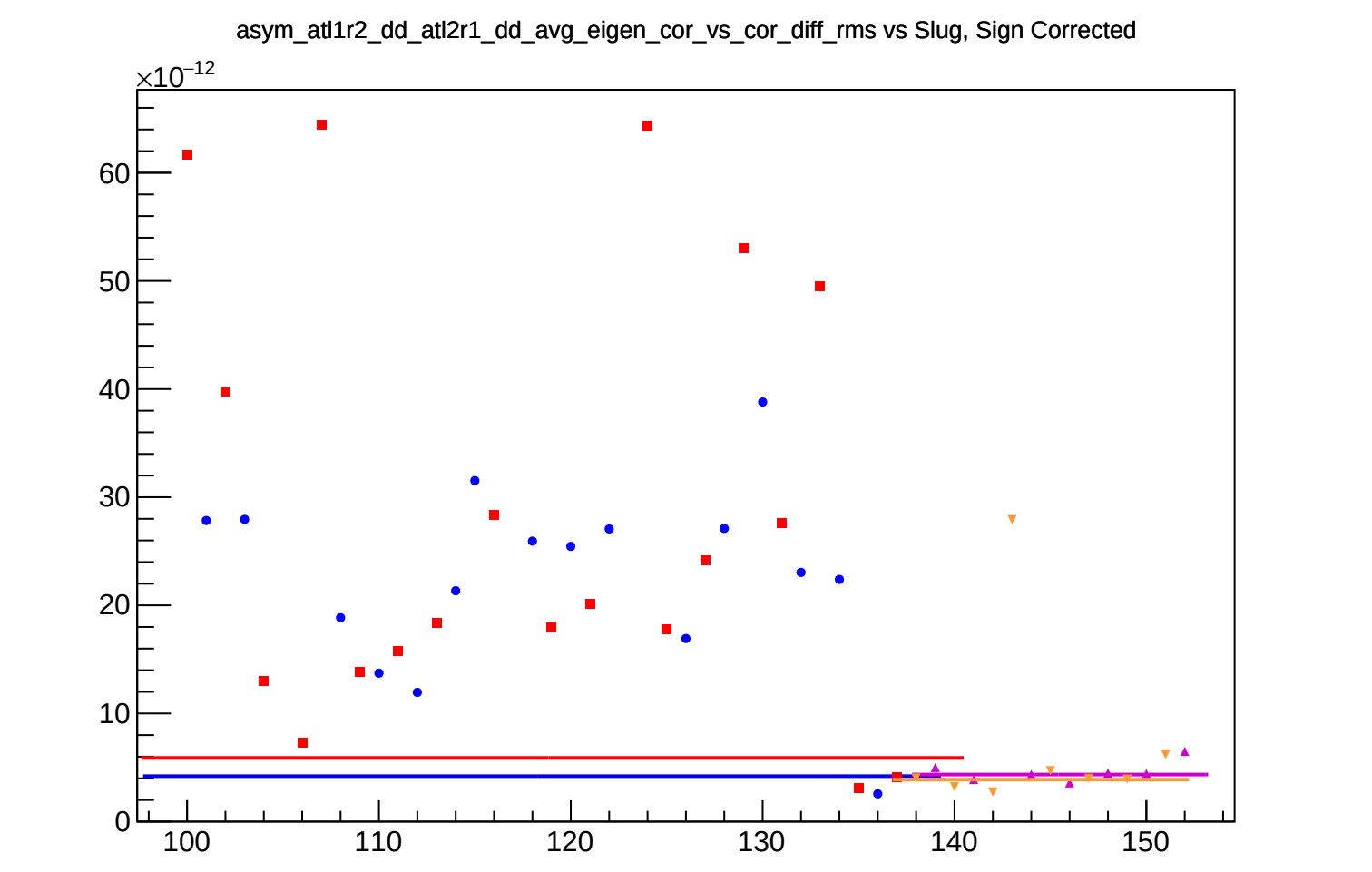
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.019+/-0.007 χ^2/NDF:2793215.3/22

Out: 32.390+/-0.007 χ^2/NDF:4944458.6/26

All: 33.203+/-0.005 χ^2/NDF: 7761371.1/49


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:7.3/6
Left: 0.000+/-0.000 χ²/NDF: 11.1/14
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:16.1/22
Out: -0.000+/-0.000 χ²/NDF:50.0/26
All: -0.000+/-0.000 χ²/NDF: 66.2/49



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:232556.5/6

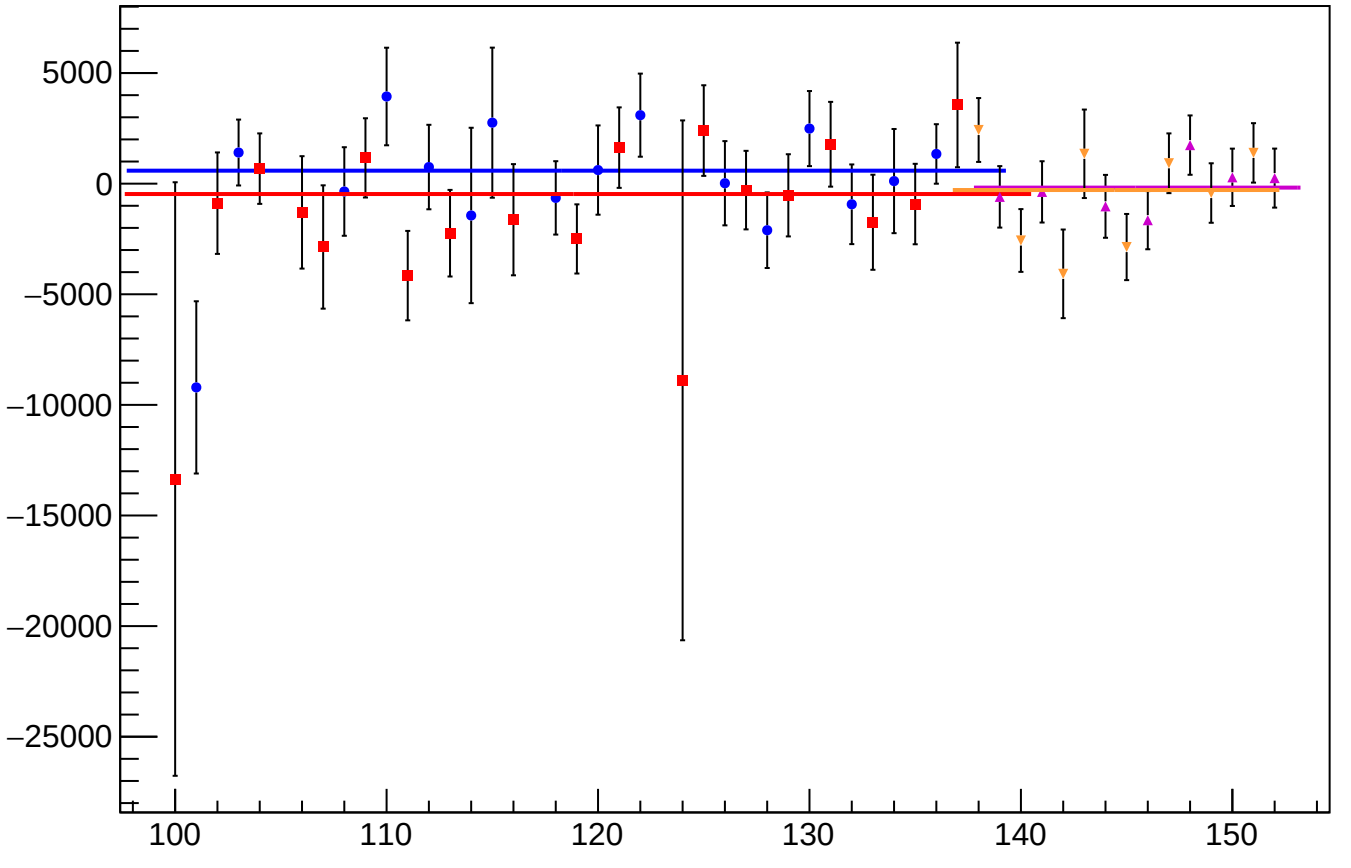
Left: 0.000+/-0.000 χ^2/NDF: 1437300.6/14

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5315487.7/22

Out: 0.000+/-0.000 χ^2/NDF:6388812.4/26

All: 0.000+/-0.000 χ^2/NDF: 11705008.6/49



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: -178.905+/-511.253 χ^2/NDF:4.0/6

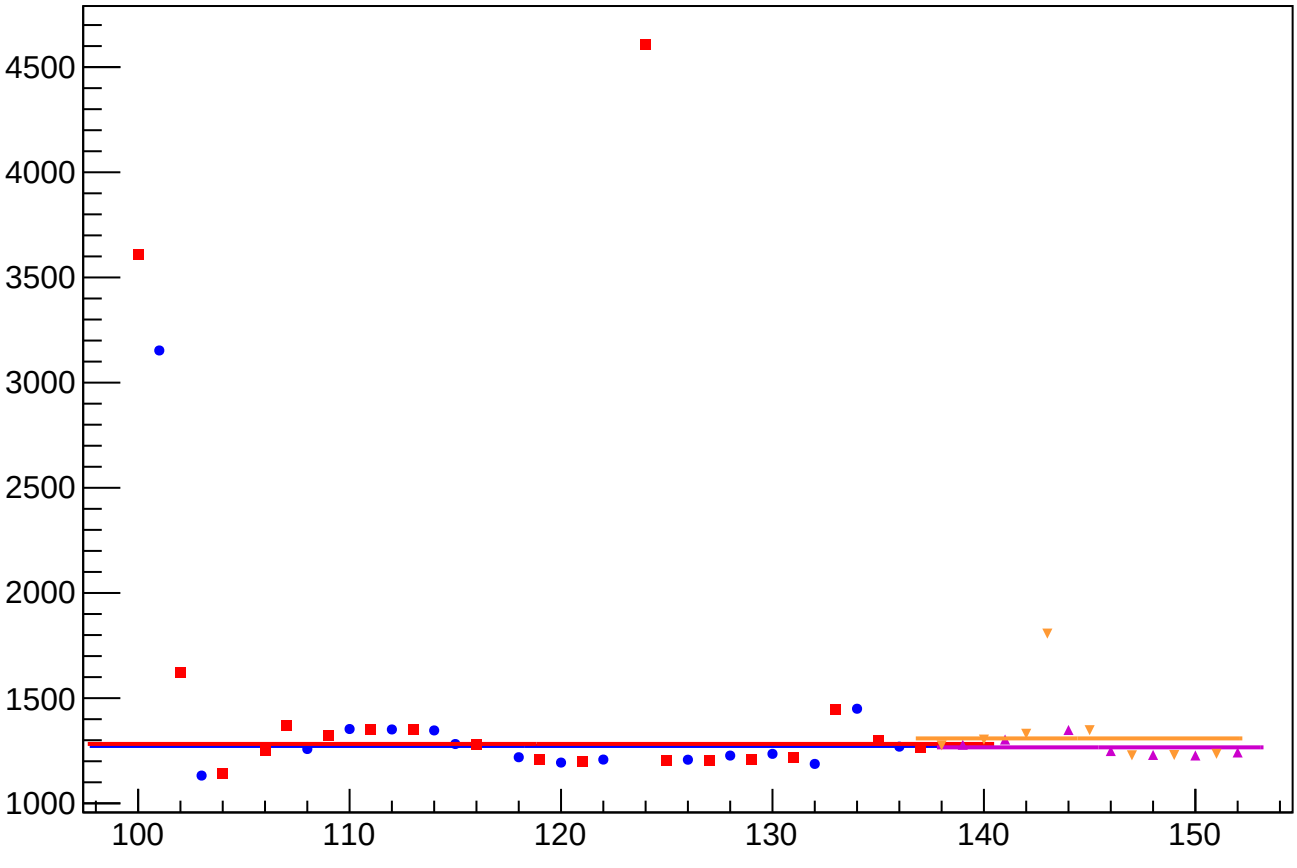
Left: -231.575+/-367.502 χ^2/NDF: 19.7/14

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 226.207+/-350.878 χ^2/NDF:22.3/22

Out: -387.067+/-355.574 χ^2/NDF:32.6/26

All: -76.354+/-249.752 χ^2/NDF: 56.4/49



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: 1266.109+/-0.362 χ^2/NDF:12564.9/6

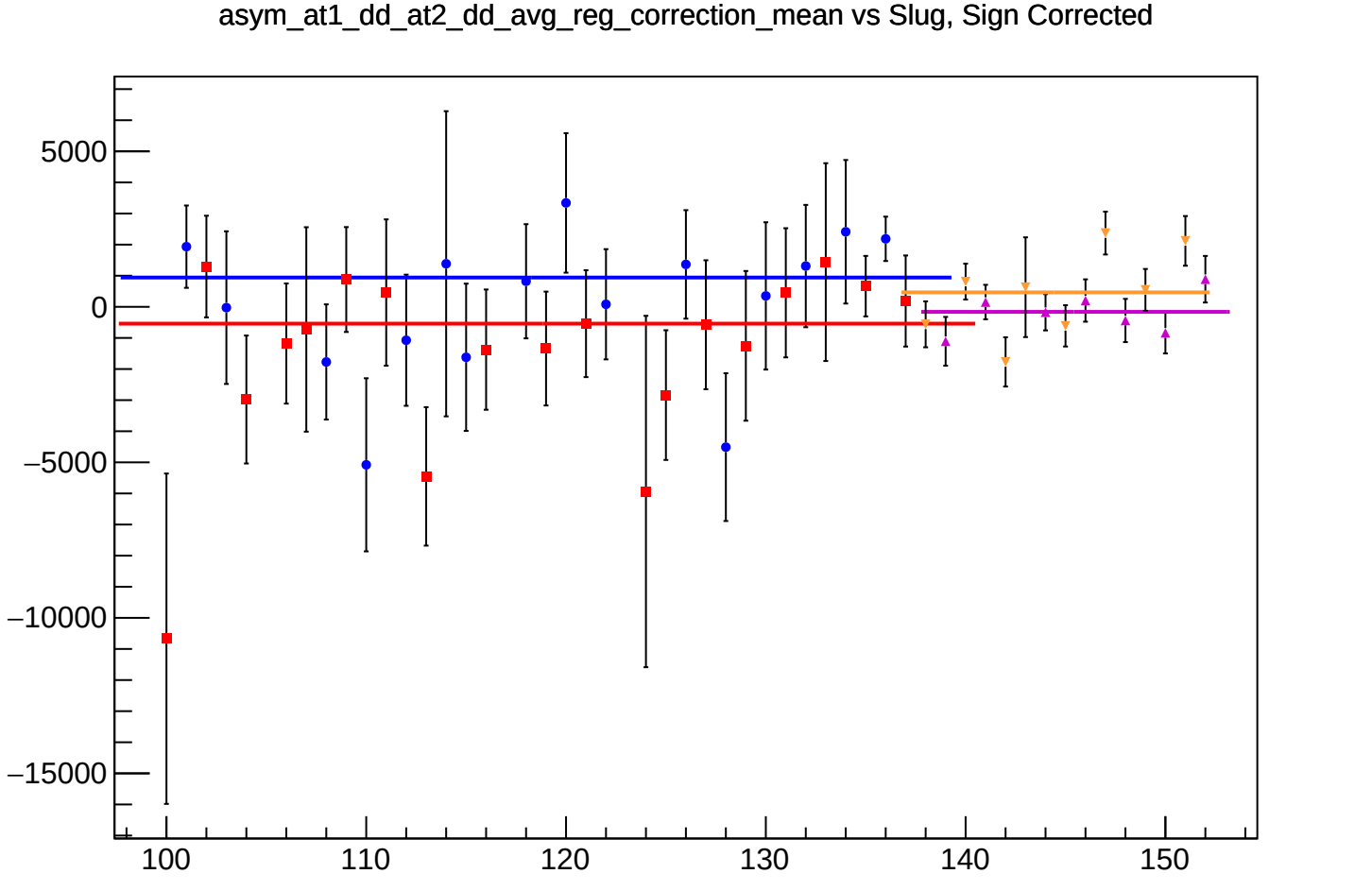
Left: 1286.664+/-0.260 χ^2/NDF: 166033.7/14

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

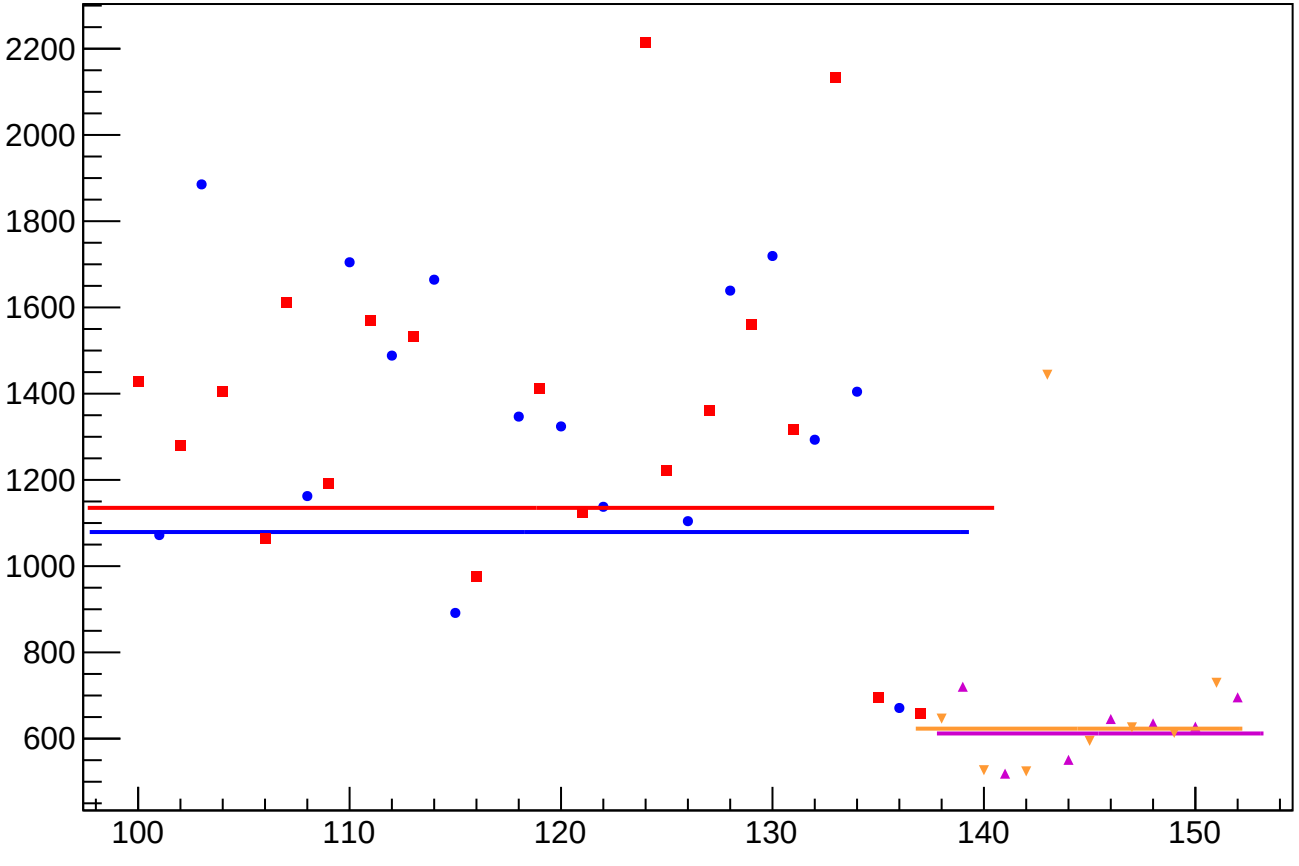
In: 1269.651+/-0.248 χ^2/NDF:532044.5/22

Out: 1294.252+/-0.251 χ^2/NDF:471563.7/26

All: 1281.788+/-0.177 χ^2/NDF: 1008458.9/49


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 465.225+/-258.253 χ²/NDF:24.9/7
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -161.627+/-249.140 χ²/NDF:5.2/6
Left: 140.545+/-179.304 χ²/NDF: 33.2/14
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: 119.745+/-215.040 χ²/NDF:30.1/22
Out: 207.417+/-222.711 χ²/NDF:45.9/26
All: 162.046+/-154.697 χ²/NDF: 76.2/49

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: 611.959+/-0.176 χ^2/NDF:150058.6/6

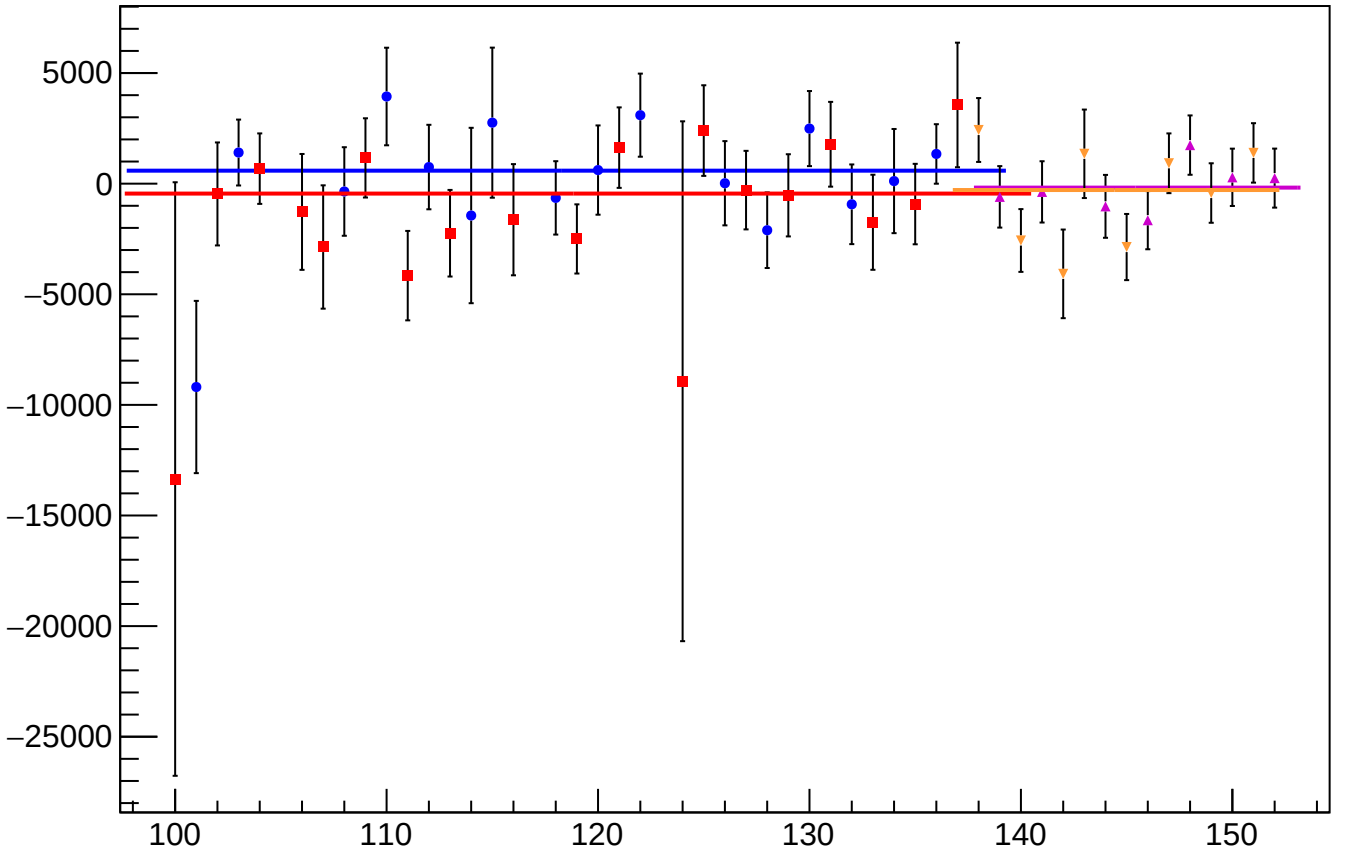
Left: 617.357+/-0.127 χ^2/NDF: 804865.3/14

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 731.088+/-0.152 χ^2/NDF:3425490.7/22

Out: 754.388+/-0.157 χ^2/NDF:3960832.6/26

All: 742.330+/-0.109 χ^2/NDF: 7397651.9/49



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: -178.935+/-511.253 χ^2/NDF:4.0/6

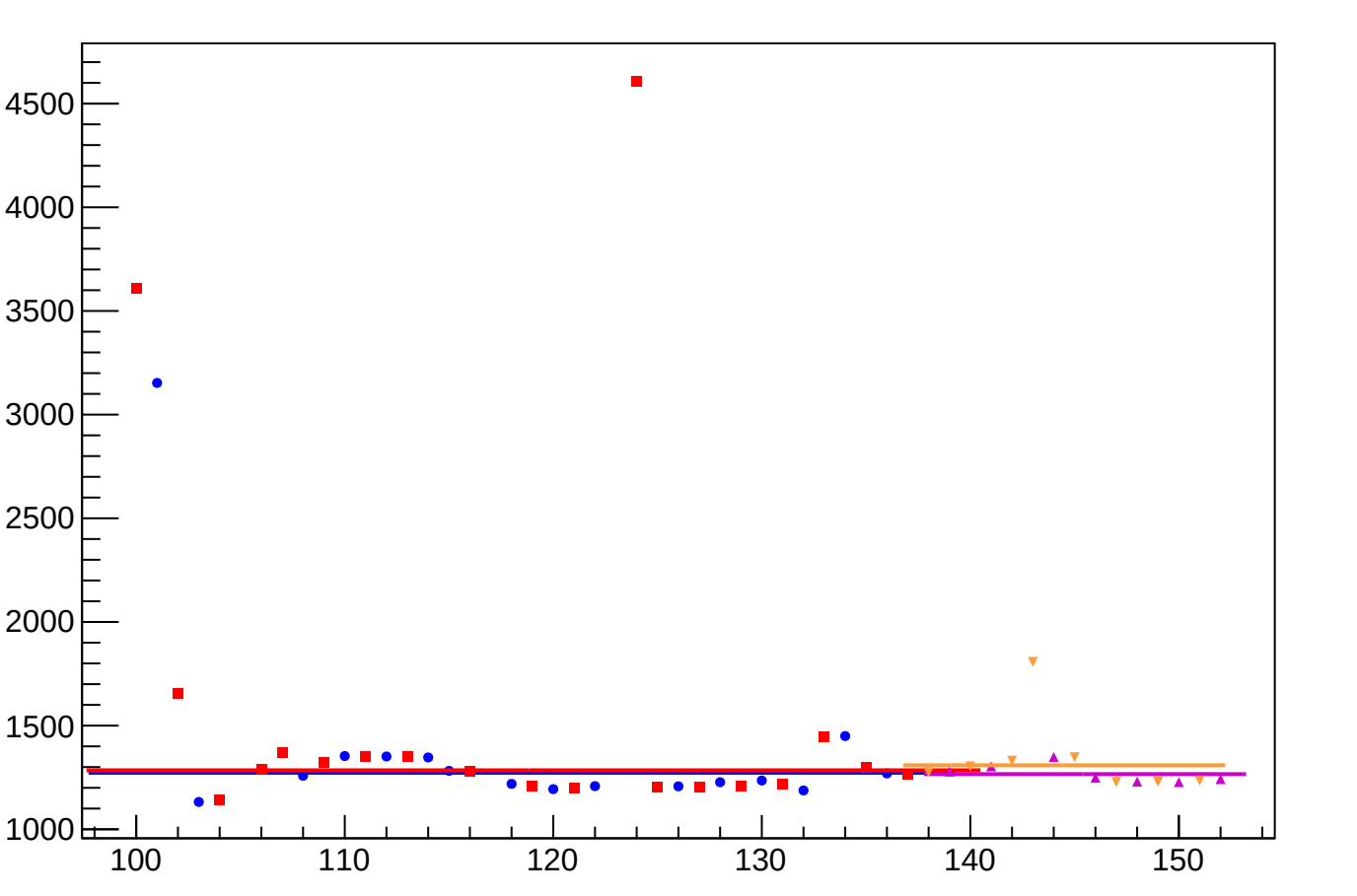
Left: -231.650+/-367.502 χ^2/NDF: 19.7/14

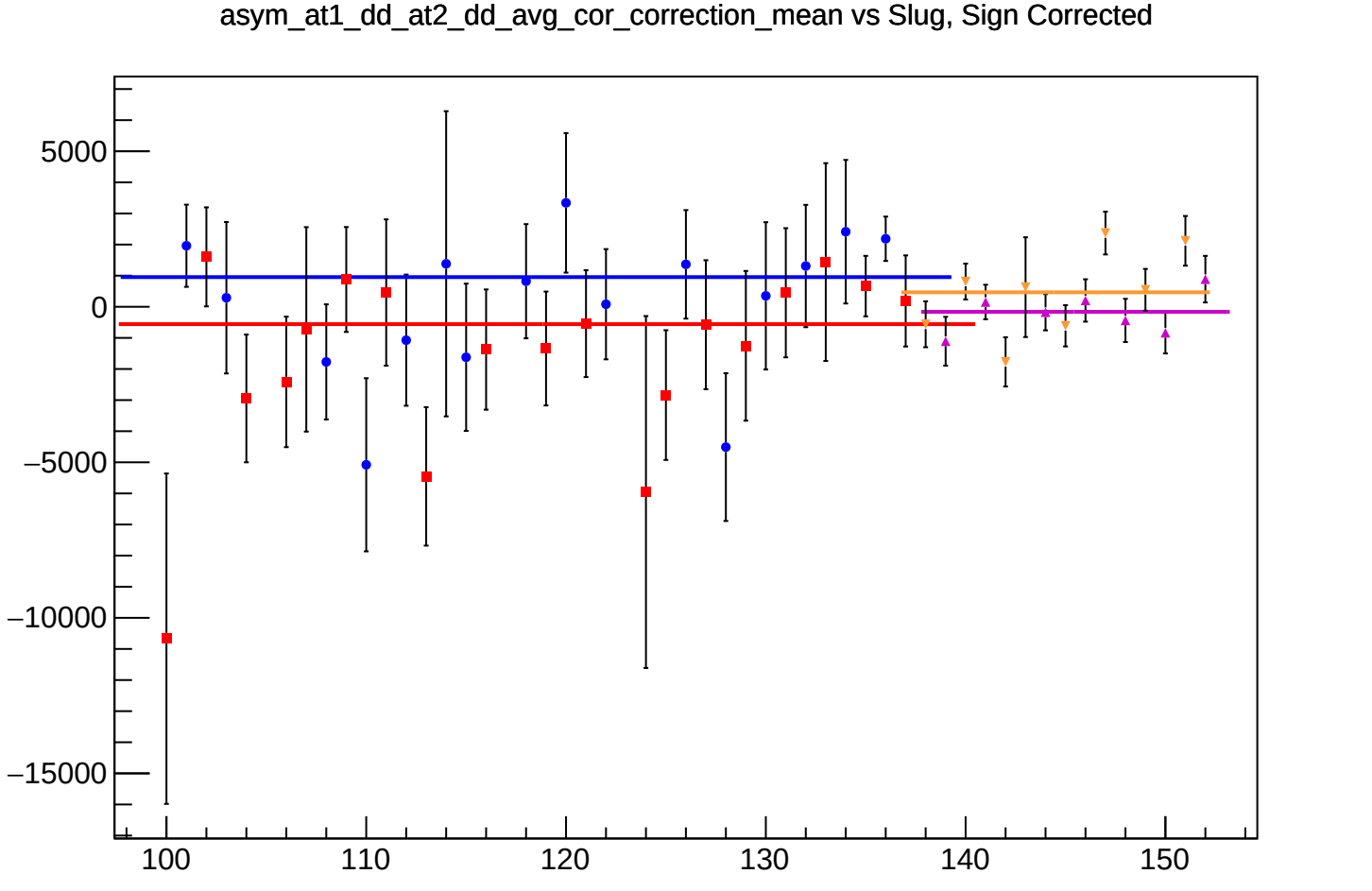
Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 226.362+/-350.878 χ^2/NDF:22.2/22

Out: -375.708+/-355.905 χ^2/NDF:32.6/26

All: -70.391+/-249.867 χ^2/NDF: 56.3/49


cor_asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 1272.804+/-0.341 χ²/NDF: 519299.6/15
Left Out: 1308.640+/-0.374 χ²/NDF:146779.5/7
Right Out: 1284.654+/-0.340 χ²/NDF: 328734.9/18
Left In: 1266.109+/-0.362 χ²/NDF:12564.9/6
Left: 1286.664+/-0.260 χ²/NDF: 166033.7/14
Right: 1278.743+/-0.241 χ²/NDF: 848639.3/34
In: 1269.651+/-0.248 χ²/NDF:532045.9/22
Out: 1295.526+/-0.252 χ²/NDF:477765.6/26
All: 1282.404+/-0.177 χ²/NDF: 1015172.6/49



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: -161.691+/-249.138 χ^2/NDF:5.2/6

Left: 140.492+/-179.304 χ^2/NDF: 33.2/14

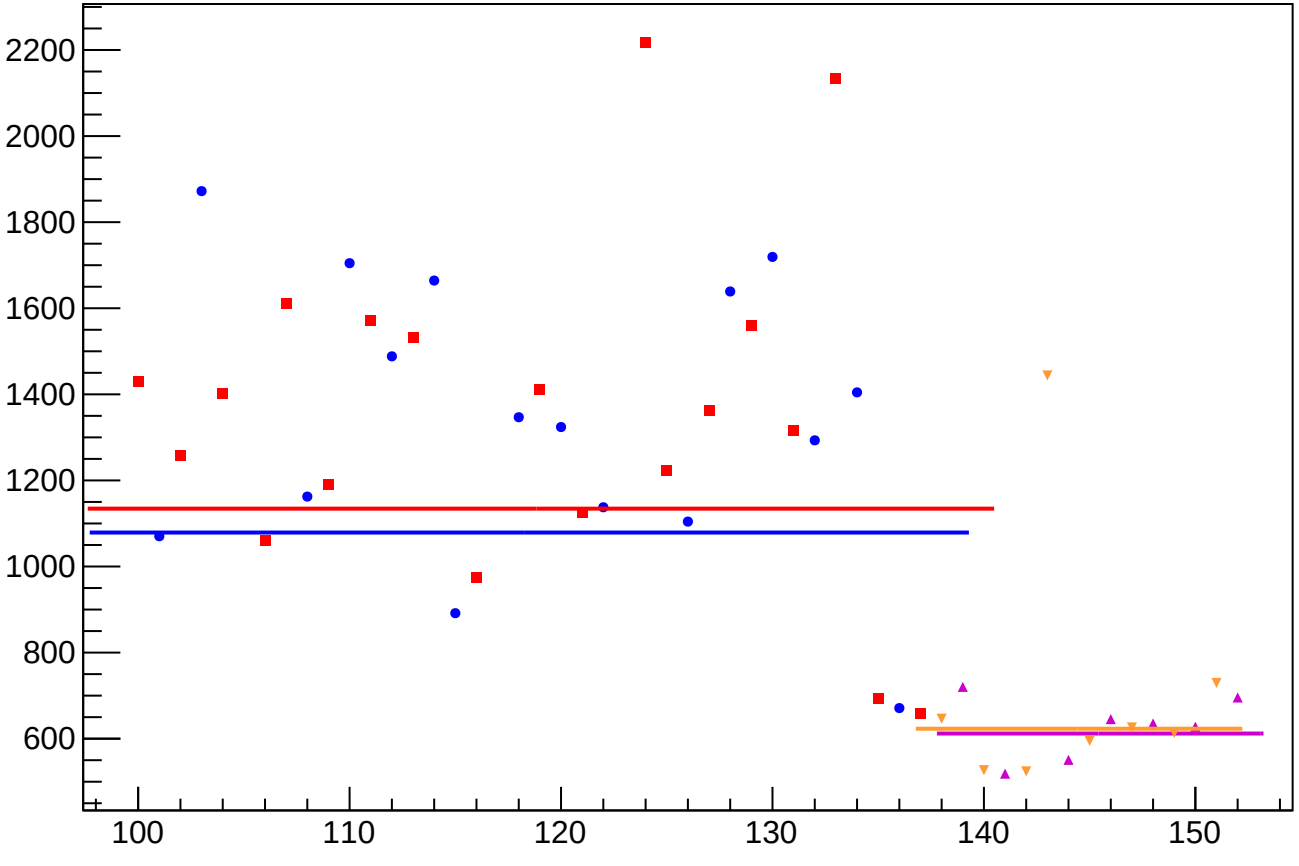
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 123.028+/-215.016 χ^2/NDF:30.2/22

Out: 203.709+/-222.823 χ^2/NDF:47.3/26

All: 161.930+/-154.726 χ^2/NDF: 77.6/49

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: 611.952+/-0.176 χ^2/NDF:150074.9/6

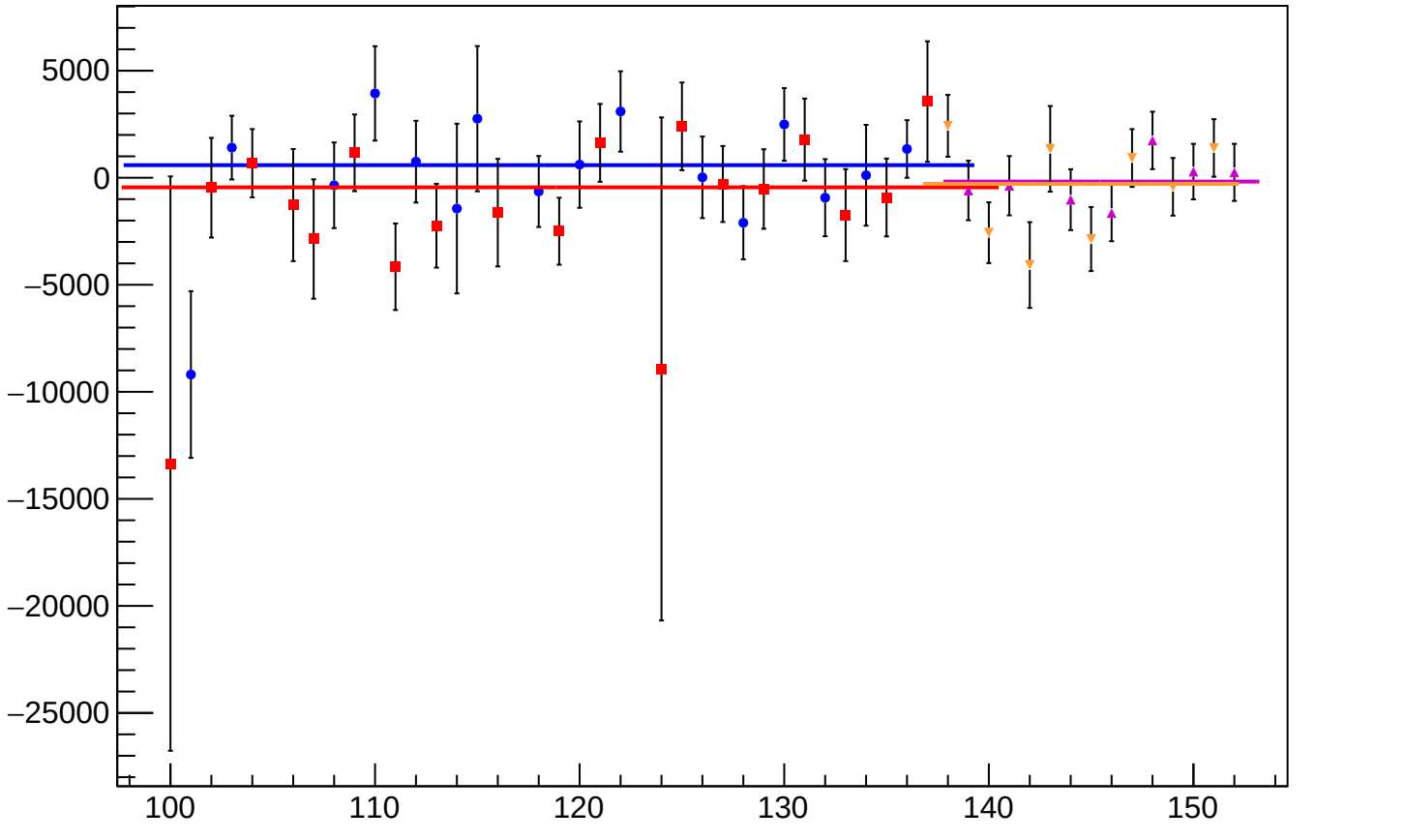
Left: 617.359+/-0.127 χ^2/NDF: 804819.0/14

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 731.107+/-0.152 χ^2/NDF:3421716.4/22

Out: 753.834+/-0.158 χ^2/NDF:3944929.8/26

All: 742.066+/-0.109 χ^2/NDF: 7377419.9/49



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: -178.935+/-511.253 χ^2/NDF:4.0/6

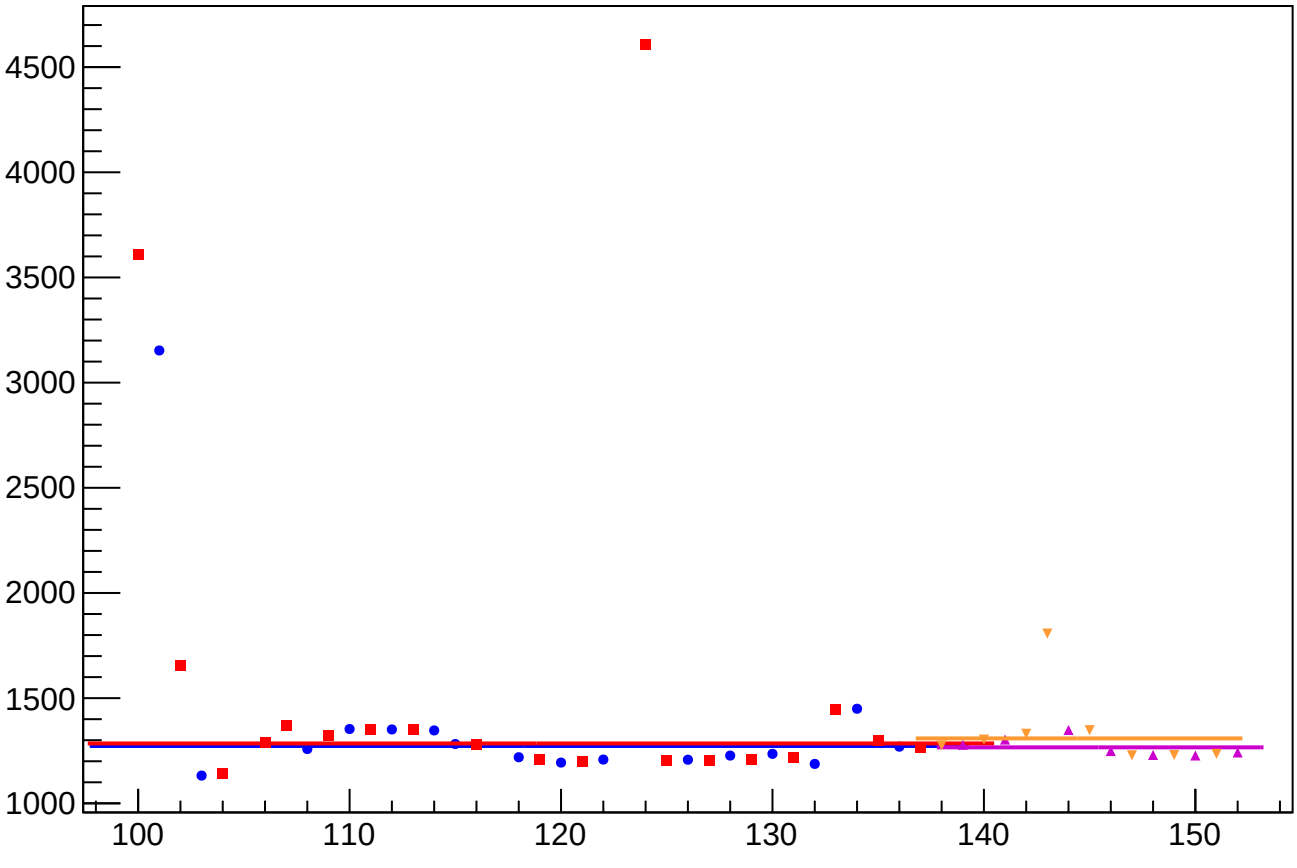
Left: -231.650+/-367.502 χ^2/NDF: 19.7/14

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 226.362+/-350.878 χ^2/NDF:22.2/22

Out: -375.708+/-355.905 χ^2/NDF:32.6/26

All: -70.391+/-249.867 χ^2/NDF: 56.3/49



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: 1266.109+/-0.362 χ^2/NDF:12564.9/6

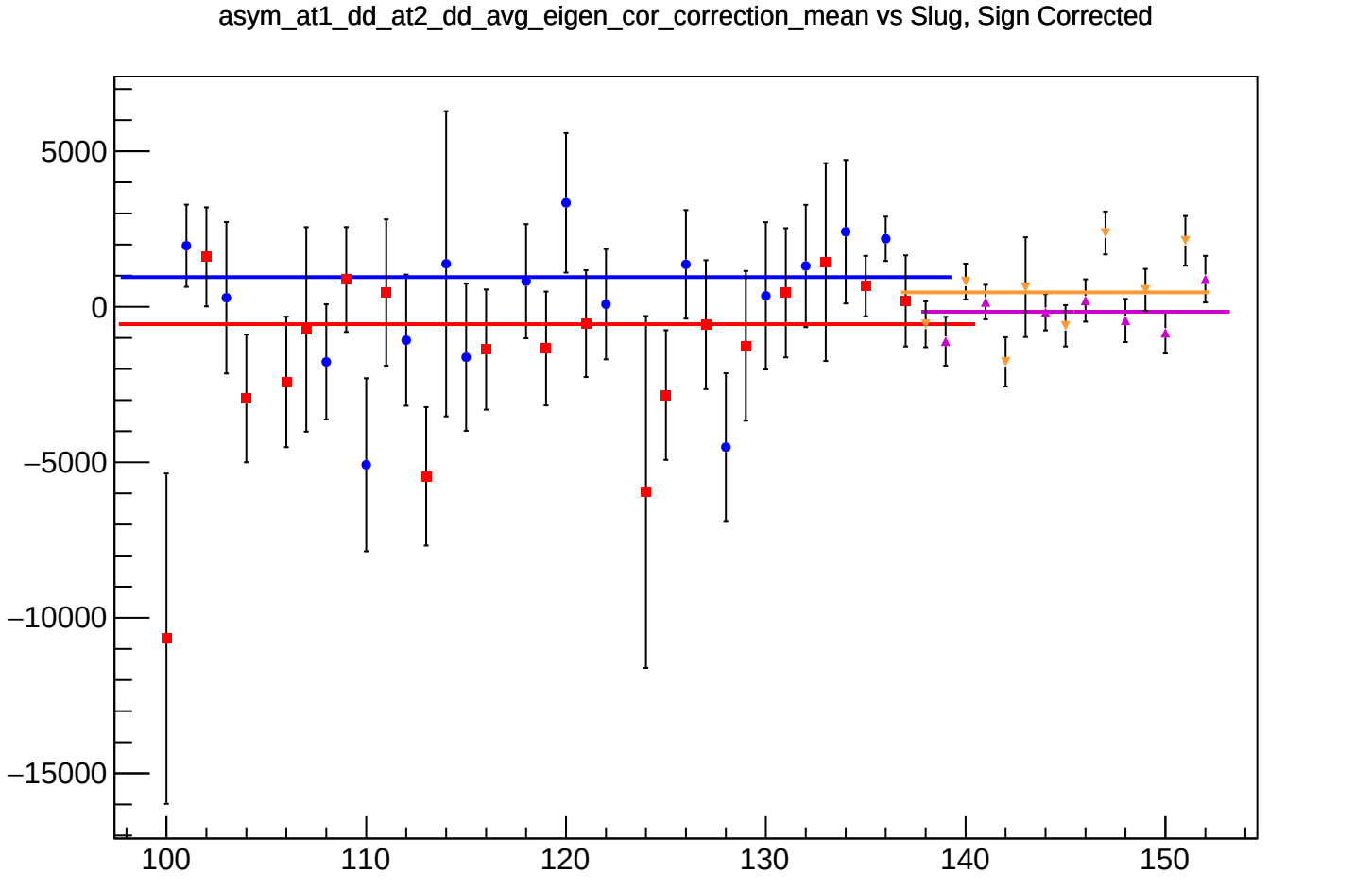
Left: 1286.664+/-0.260 χ^2/NDF: 166033.7/14

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

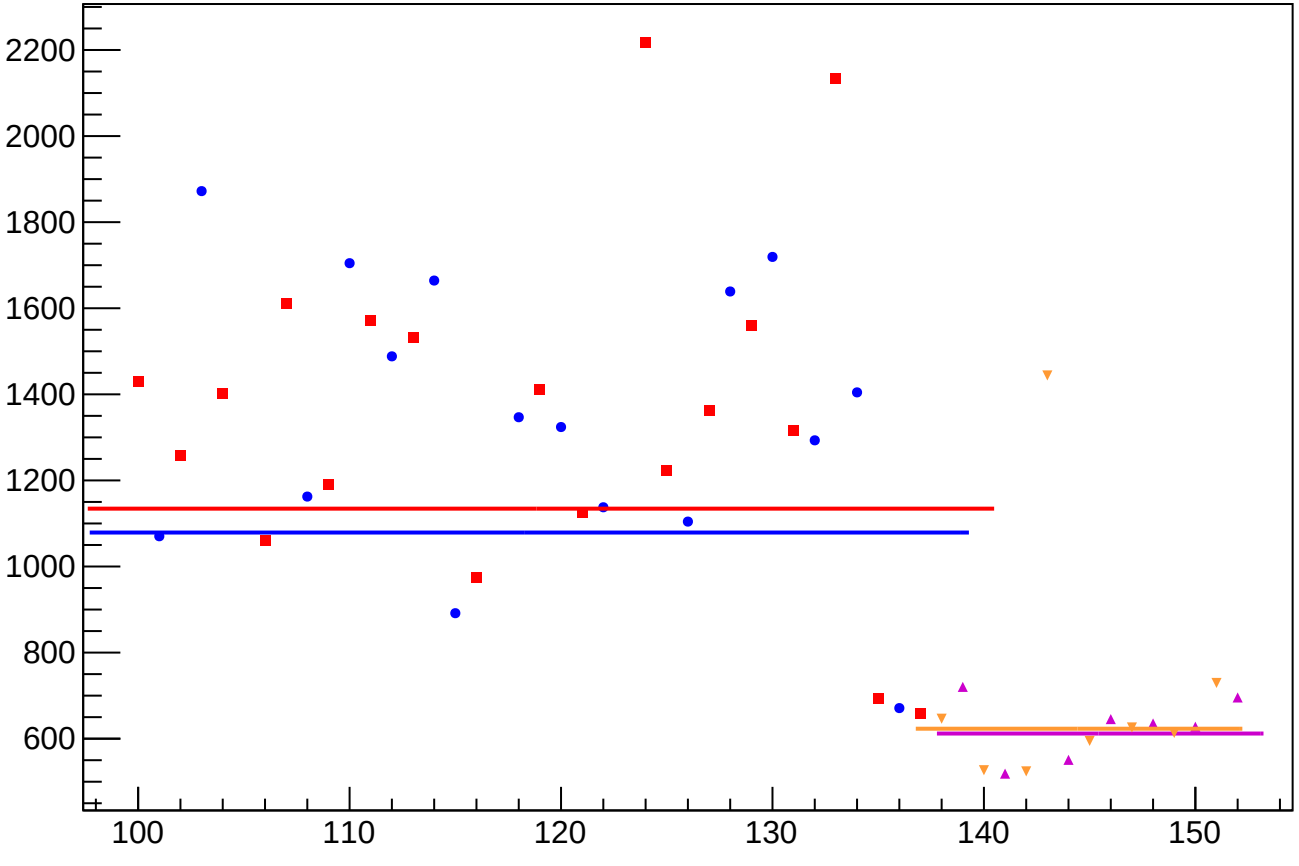
In: 1269.651+/-0.248 χ^2/NDF:532045.9/22

Out: 1295.526+/-0.252 χ^2/NDF:477765.6/26

All: 1282.404+/-0.177 χ^2/NDF: 1015172.6/49


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 465.199+/-258.256 χ²/NDF:24.9/7
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -161.691+/-249.138 χ²/NDF:5.2/6
Left: 140.492+/-179.304 χ²/NDF: 33.2/14
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 123.028+/-215.016 χ²/NDF:30.2/22
Out: 203.709+/-222.823 χ²/NDF:47.3/26
All: 161.930+/-154.726 χ²/NDF: 77.6/49

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: 611.952+/-0.176 χ^2/NDF:150074.9/6

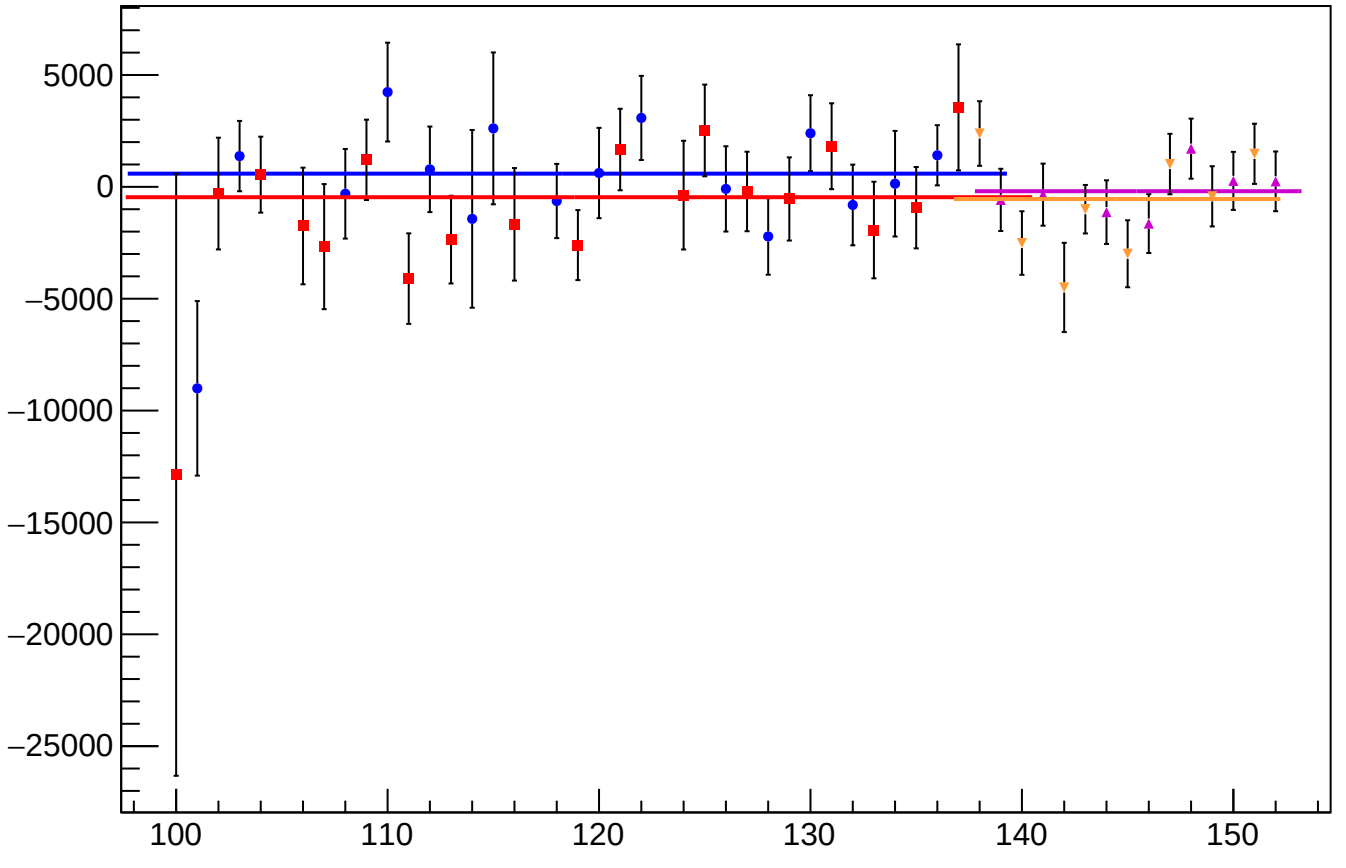
Left: 617.359+/-0.127 χ^2/NDF: 804819.0/14

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 731.107+/-0.152 χ^2/NDF:3421716.4/22

Out: 753.834+/-0.158 χ^2/NDF:3944929.8/26

All: 742.066+/-0.109 χ^2/NDF: 7377419.9/49



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: -194.734+/-511.646 χ^2/NDF:4.0/6

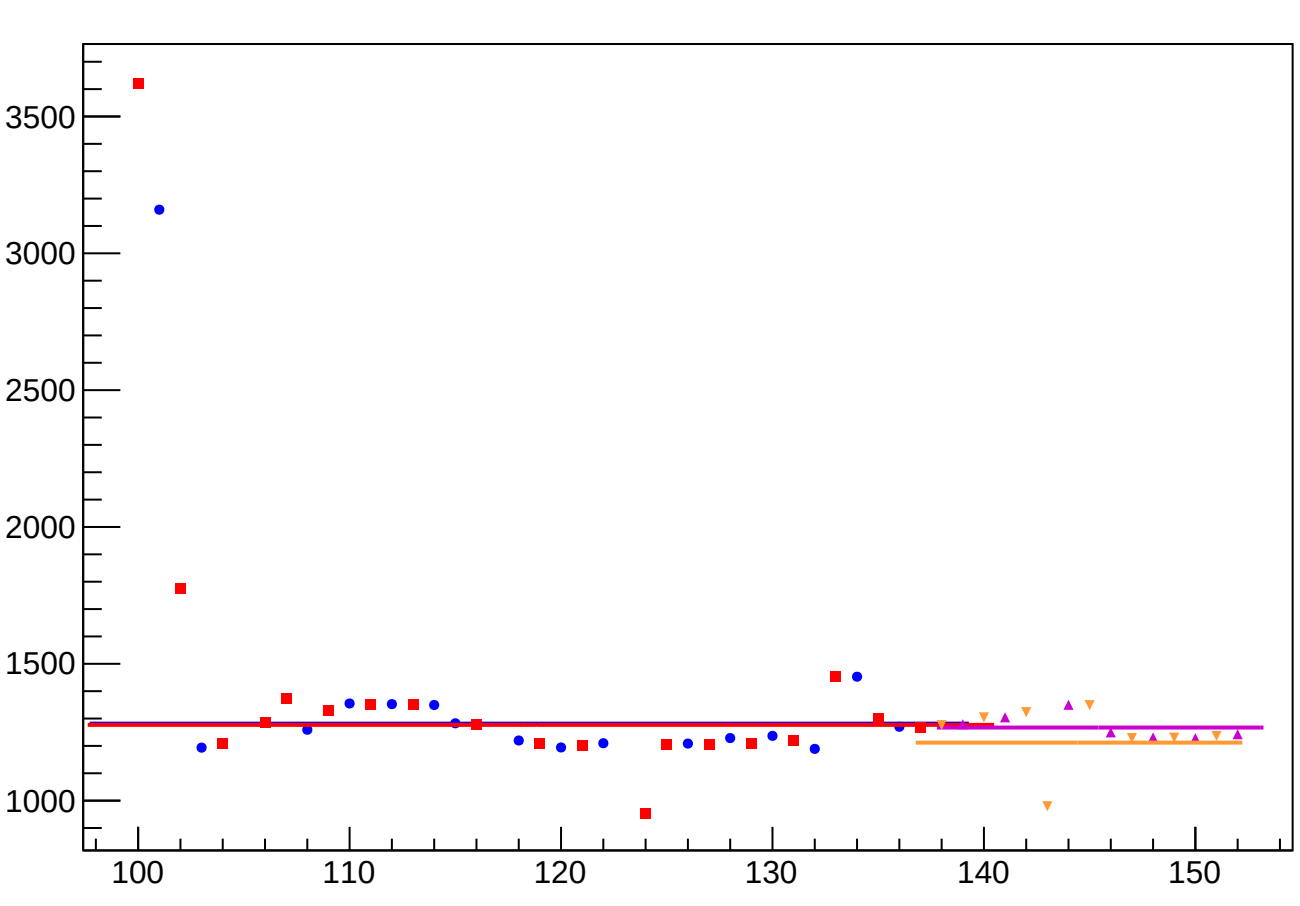
Left: -377.507+/-353.615 χ^2/NDF: 20.6/14

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 218.379+/-352.174 χ^2/NDF:22.3/22

Out: -502.568+/-341.473 χ^2/NDF:33.1/26

All: -153.214+/-245.154 χ^2/NDF: 57.6/49



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: 1267.073+/-0.362 χ^2/NDF:12704.6/6

Left: 1238.310+/-0.250 χ^2/NDF: 153645.8/14

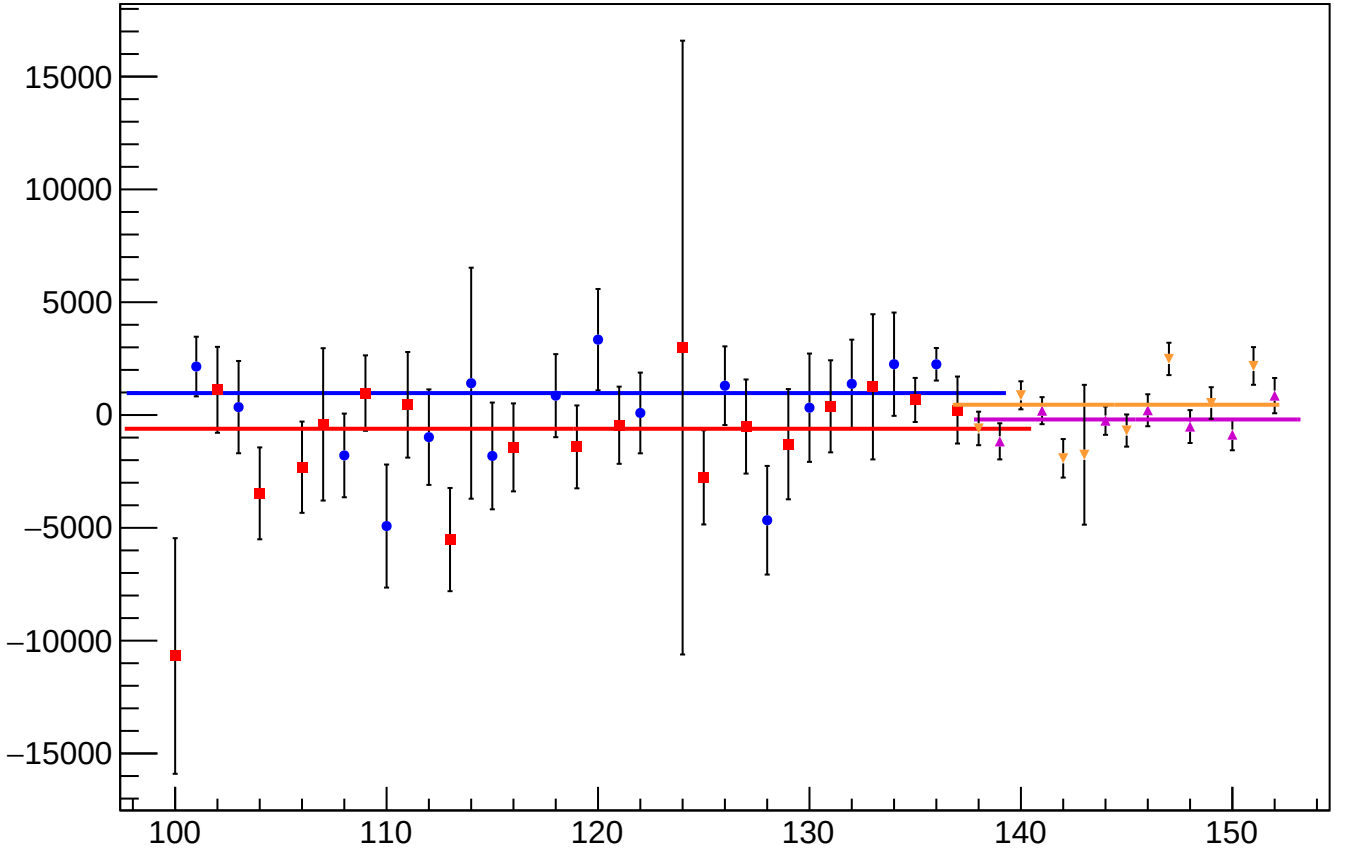
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1274.596+/-0.249 χ^2/NDF:520604.7/22

Out: 1245.272+/-0.241 χ^2/NDF:367377.4/26

All: 1259.481+/-0.173 χ^2/NDF: 895129.2/49

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 456.384+/-274.631 χ^2/NDF:25.5/7

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -196.797+/-263.029 χ^2/NDF:5.2/6

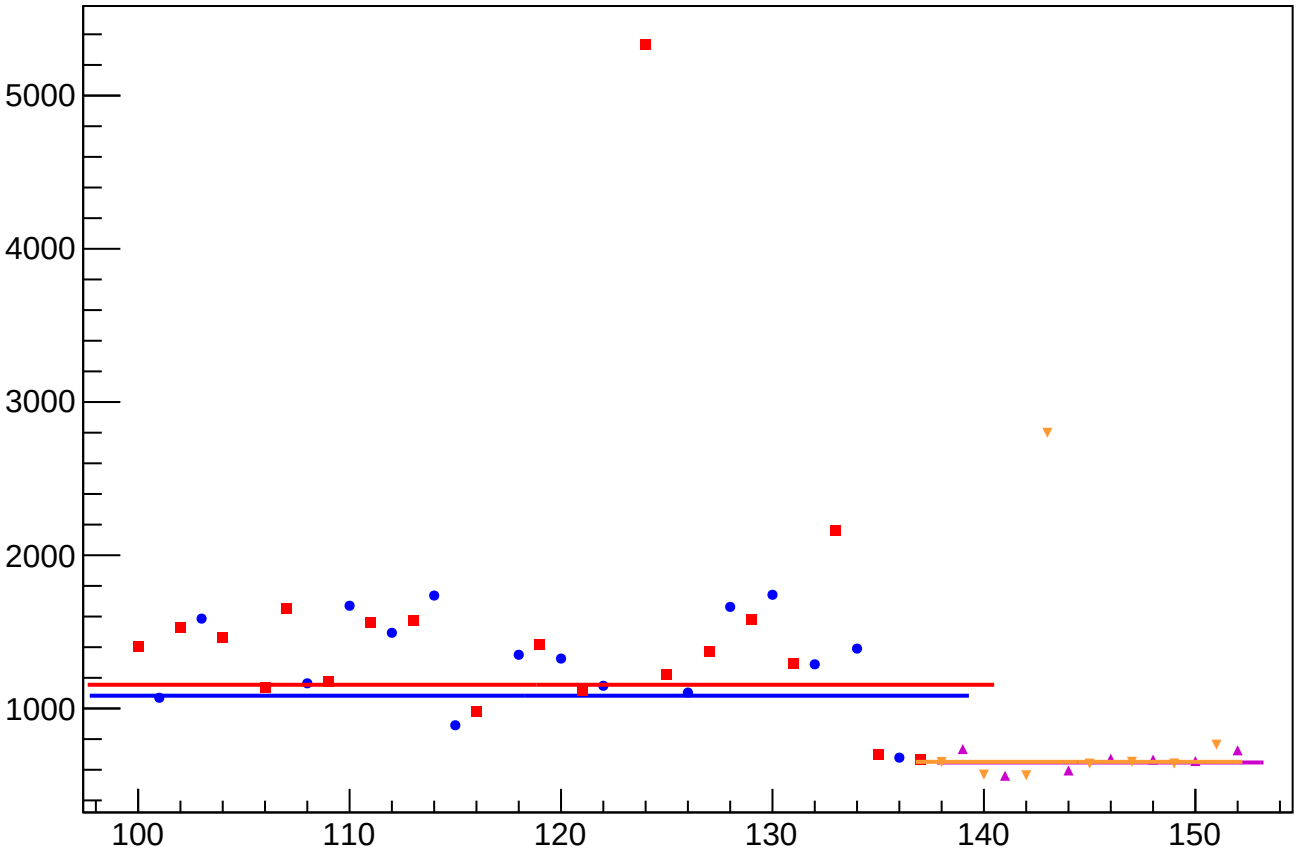
Left: 115.706+/-189.959 χ^2/NDF: 33.7/14

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 126.739+/-223.692 χ^2/NDF:31.1/22

Out: 165.285+/-234.101 χ^2/NDF:46.8/26

All: 145.136+/-161.729 χ^2/NDF: 77.9/49



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: 647.485+/-0.186 χ^2/NDF:104248.1/6

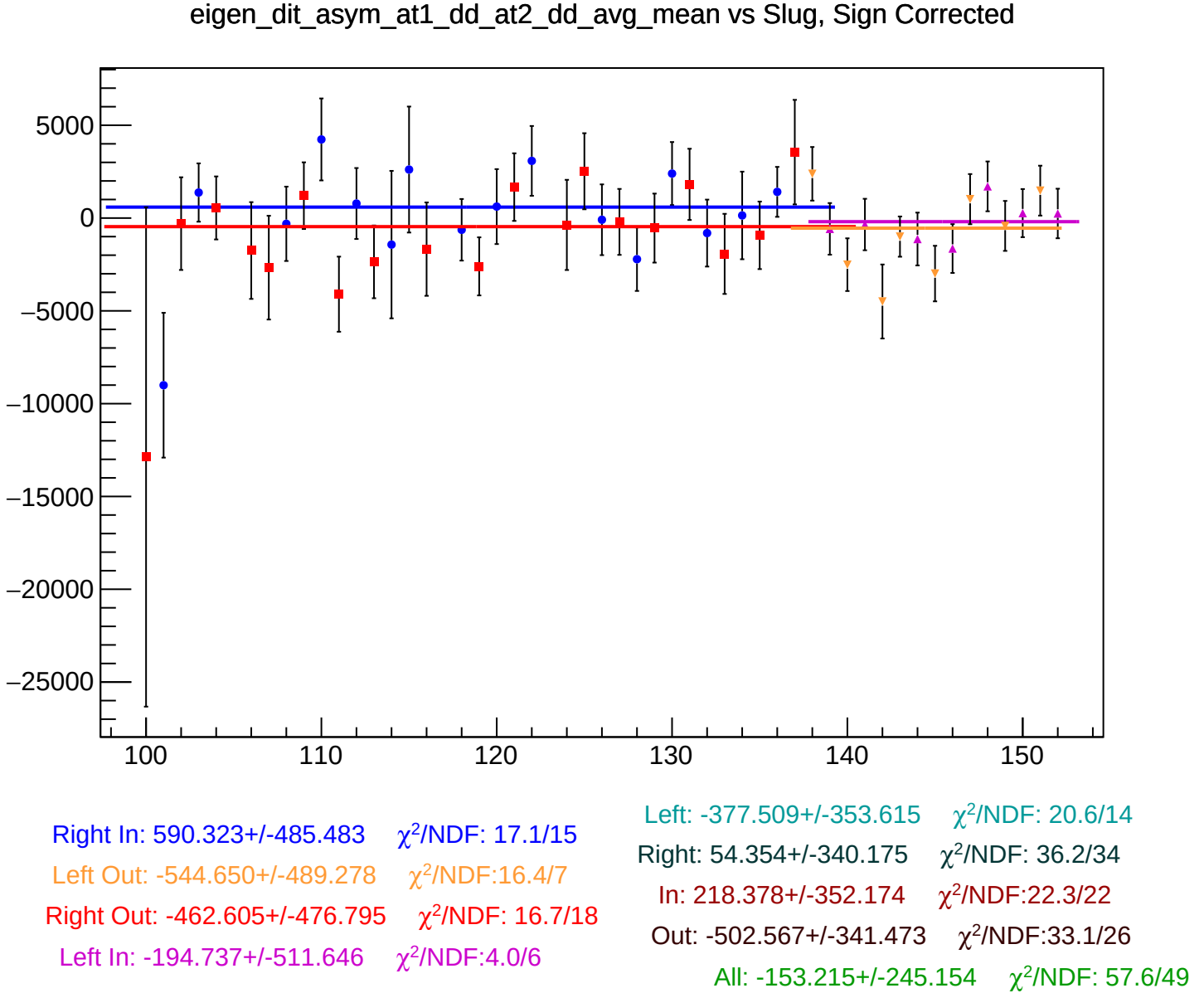
Left: 649.491+/-0.134 χ^2/NDF: 1159119.1/14

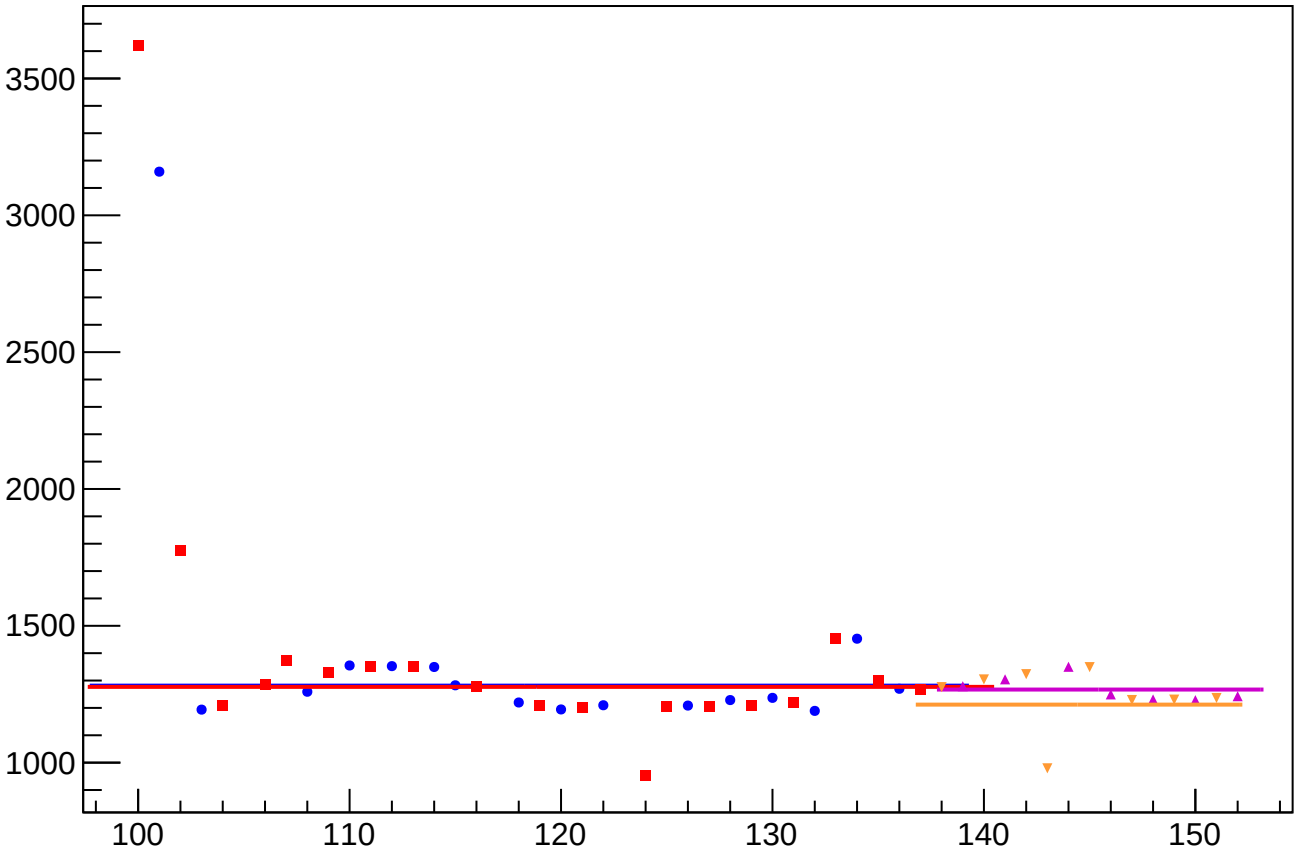
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 768.103+/-0.158 χ^2/NDF:2984151.8/22

Out: 789.201+/-0.166 χ^2/NDF:4377415.0/26

All: 778.172+/-0.114 χ^2/NDF: 7370057.9/49


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: -194.737+/-511.646 χ²/NDF:4.0/6
Left: -377.509+/-353.615 χ²/NDF: 20.6/14
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 218.378+/-352.174 χ²/NDF:22.3/22
Out: -502.567+/-341.473 χ²/NDF:33.1/26
All: -153.215+/-245.154 χ²/NDF: 57.6/49



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: 1267.073+/-0.362 χ^2/NDF:12704.7/6

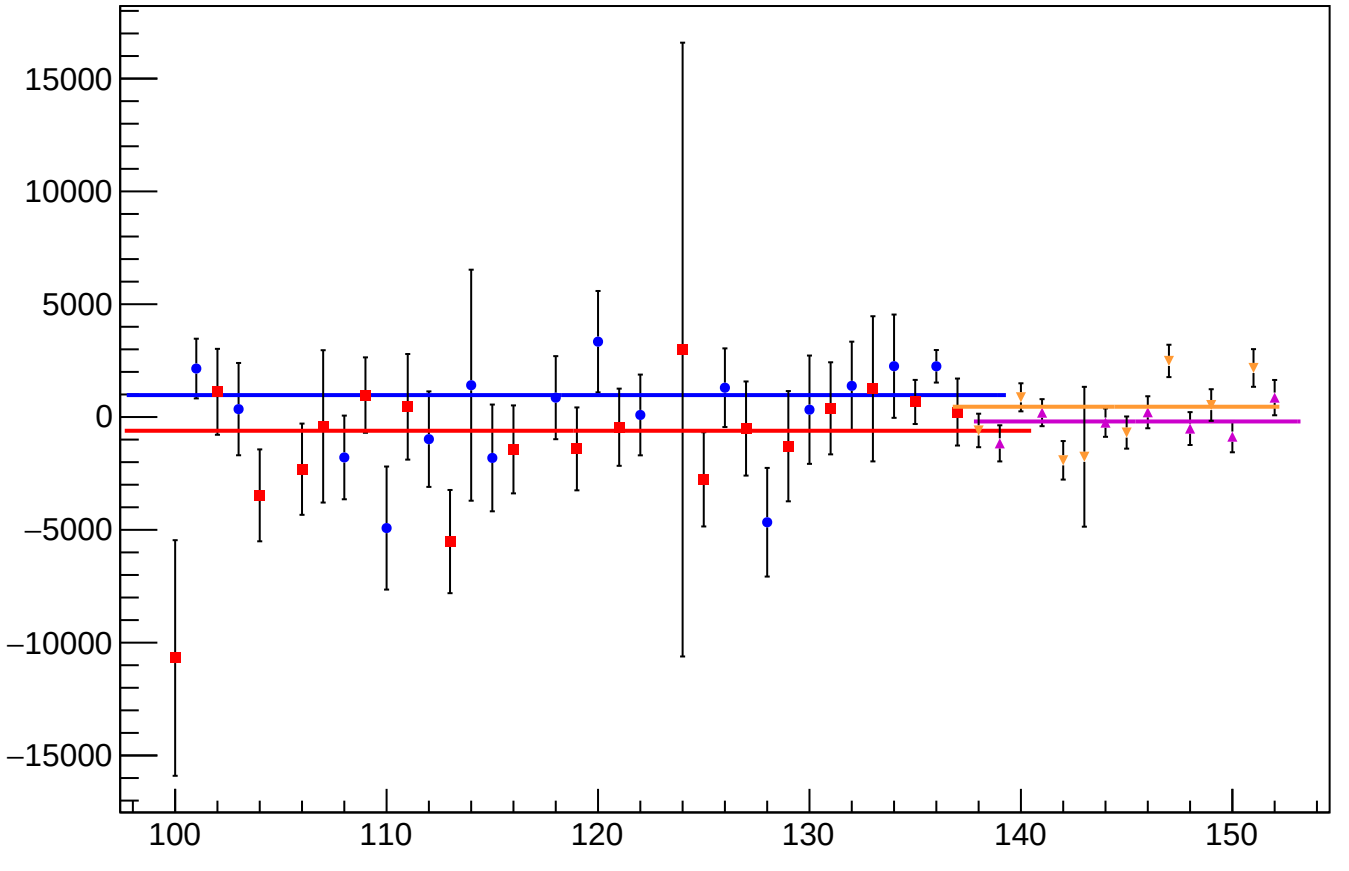
Left: 1238.310+/-0.250 χ^2/NDF: 153645.1/14

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1274.596+/-0.249 χ^2/NDF:520604.9/22

Out: 1245.272+/-0.241 χ^2/NDF:367376.4/26

All: 1259.481+/-0.173 χ^2/NDF: 895128.3/49



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: -196.797+/-263.029 χ^2/NDF:5.2/6

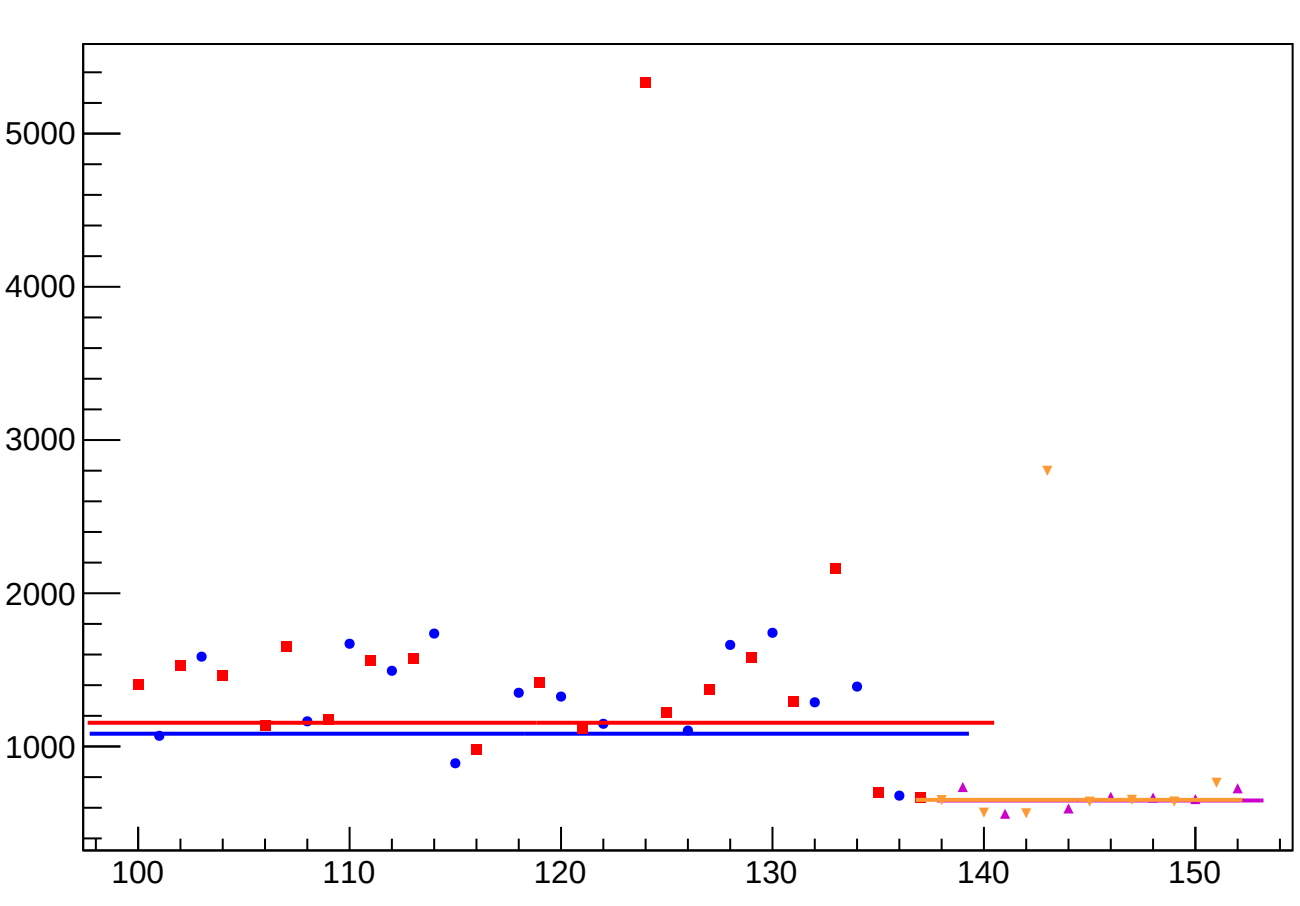
Left: 115.706+/-189.959 χ^2/NDF: 33.7/14

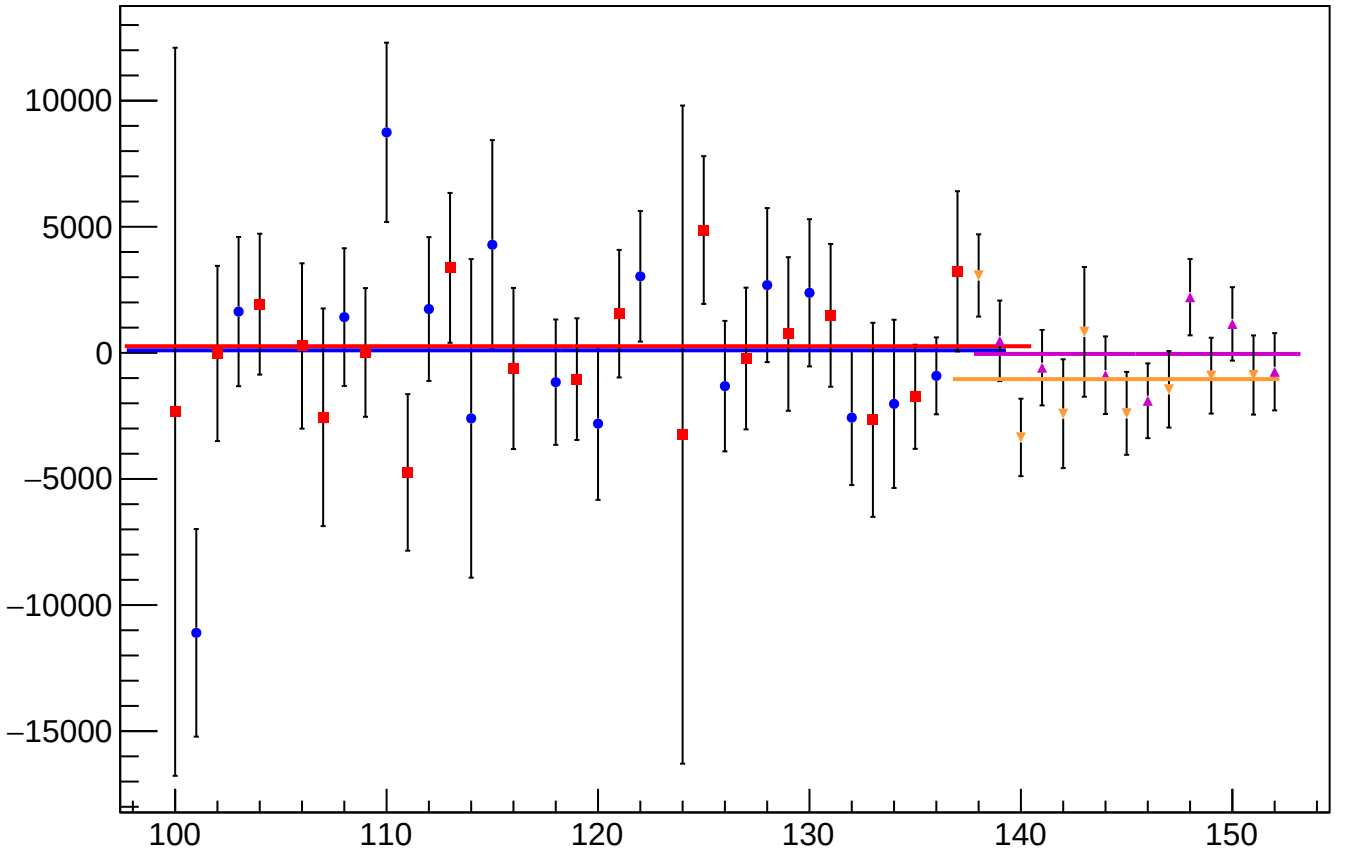
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 126.735+/-223.692 χ^2/NDF:31.1/22

Out: 165.286+/-234.102 χ^2/NDF:46.8/26

All: 145.134+/-161.729 χ^2/NDF: 77.9/49


asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 1083.341+/-0.301 χ²/NDF: 1360095.7/15
Left Out: 651.680+/-0.194 χ²/NDF:1054624.2/7
Right Out: 1154.732+/-0.317 χ²/NDF: 1488251.4/18
Left In: 647.484+/-0.186 χ²/NDF:104250.8/6
Left: 649.491+/-0.134 χ²/NDF: 1159118.4/14
Right: 1117.196+/-0.218 χ²/NDF: 2875081.4/34
In: 768.104+/-0.158 χ²/NDF:2984136.4/22
Out: 789.204+/-0.166 χ²/NDF:4377383.6/26
All: 778.174+/-0.114 χ²/NDF: 7370012.9/49



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: -42.131+/-572.584 χ^2/NDF:5.2/6

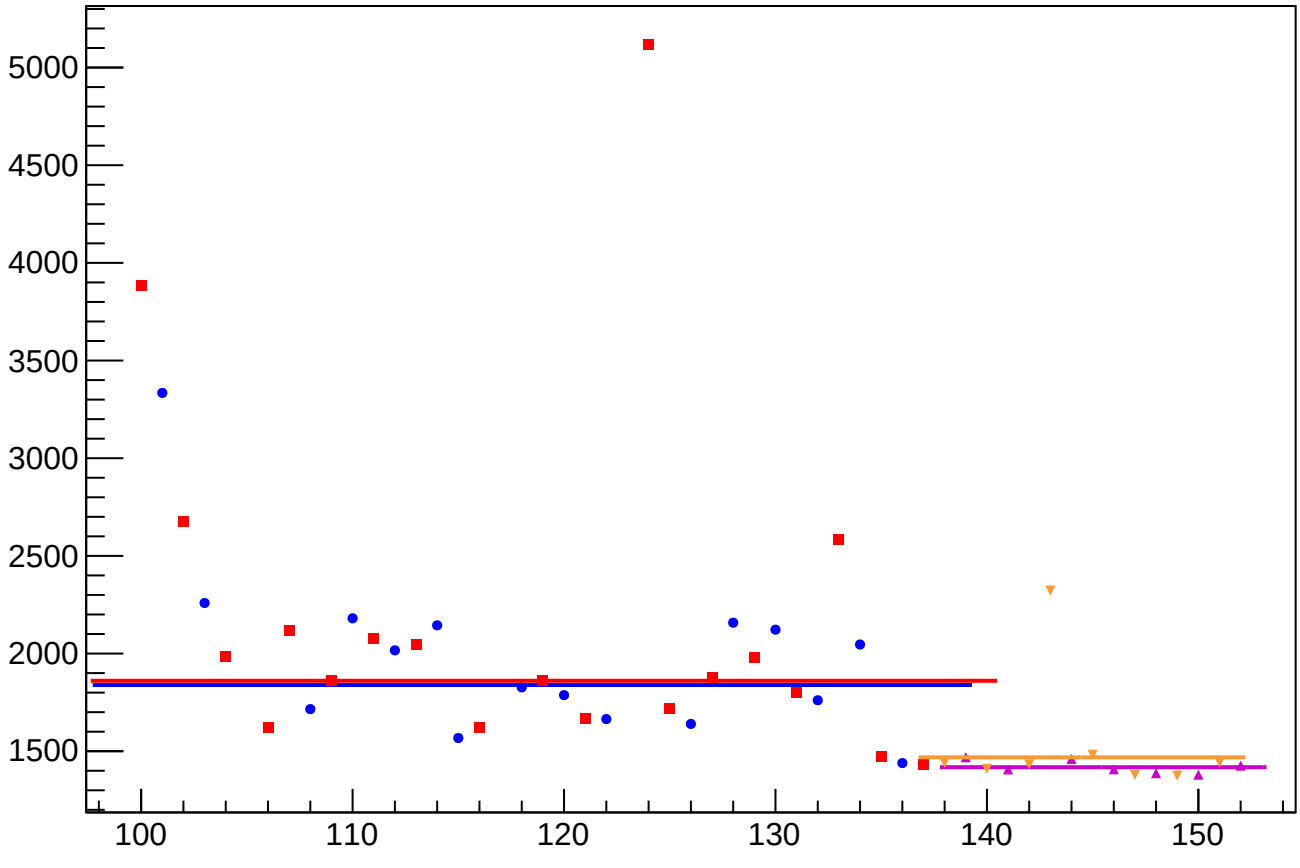
Left: -521.851+/-412.803 χ^2/NDF: 17.0/14

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 15.126+/-442.942 χ^2/NDF:26.5/22

Out: -493.207+/-453.581 χ^2/NDF:22.7/26

All: -233.009+/-316.902 χ^2/NDF: 49.8/49



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: 1418.257+/-0.405 χ^2/NDF:6024.7/6

Left: 1442.522+/-0.292 χ^2/NDF: 253221.3/14

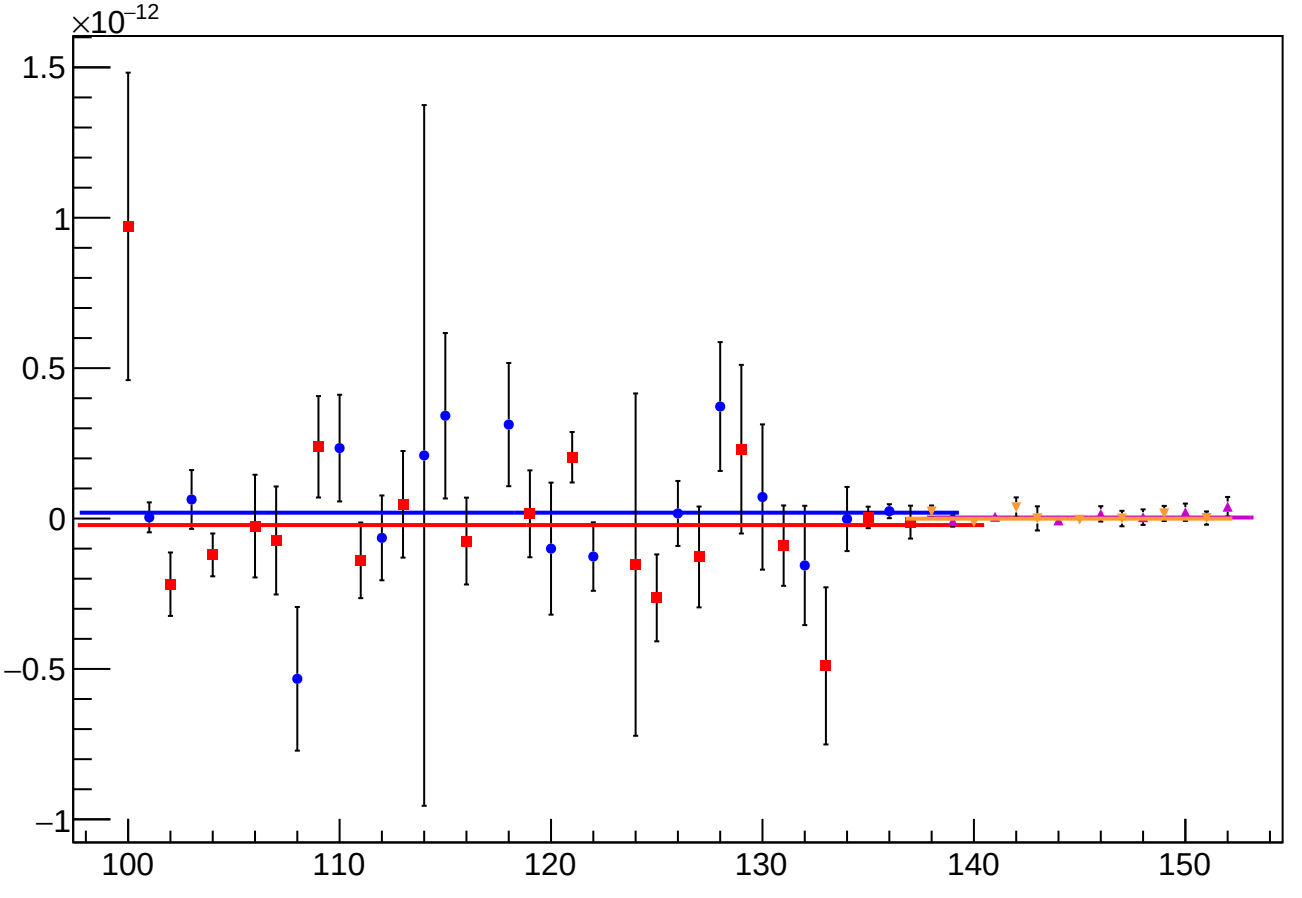
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1587.260+/-0.313 χ^2/NDF:996639.7/22

Out: 1633.492+/-0.321 χ^2/NDF:1125716.3/26

All: 1609.828+/-0.224 χ^2/NDF: 2132991.7/49

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:2.8/6

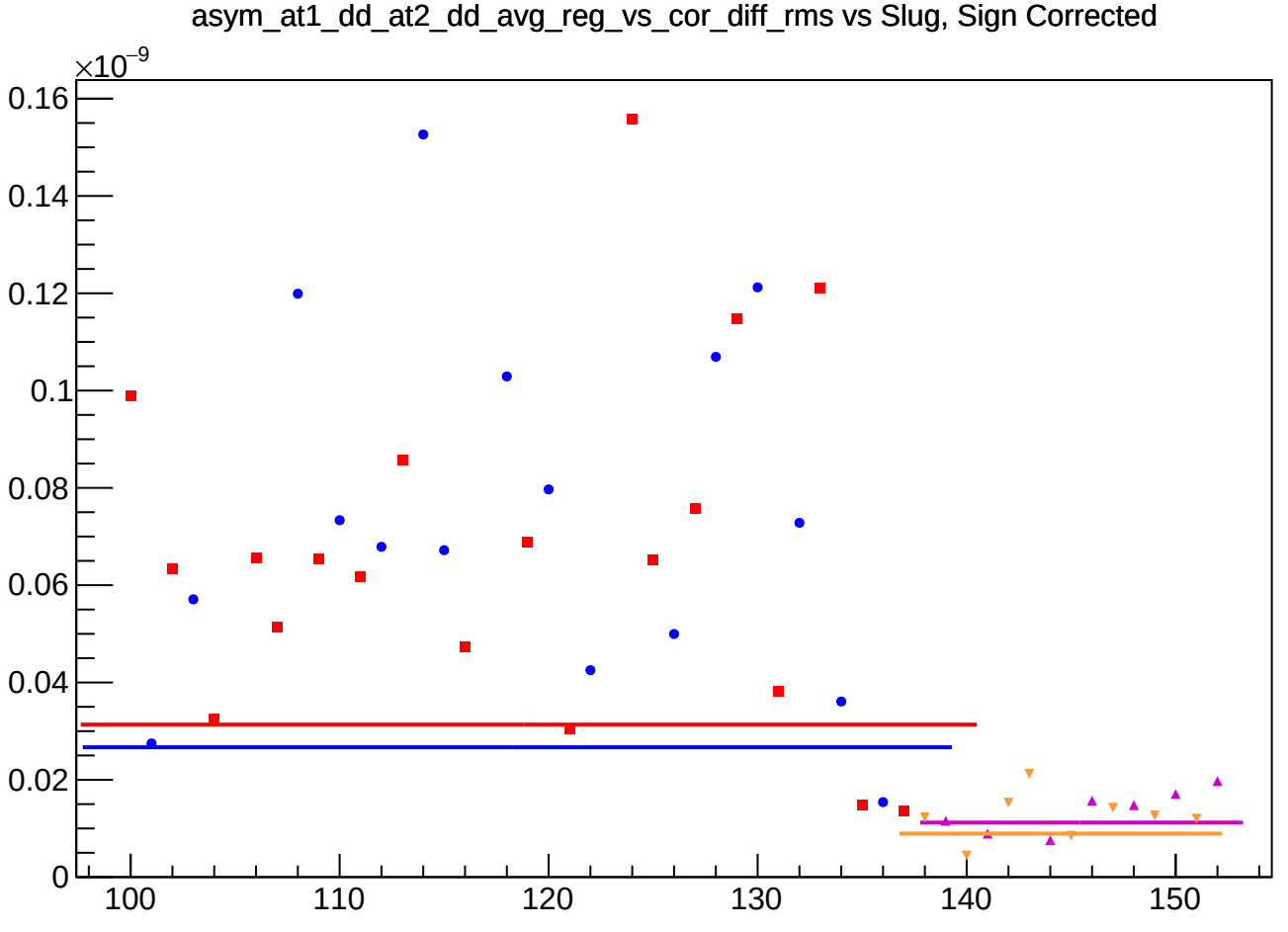
Left: 0.000+/-0.000 χ^2/NDF: 7.4/14

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:19.9/22

Out: -0.000+/-0.000 χ^2/NDF:33.5/26

All: 0.000+/-0.000 χ^2/NDF: 54.1/49



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:510308.8/6

Left: 0.000+/-0.000 χ^2/NDF: 1454964.8/14

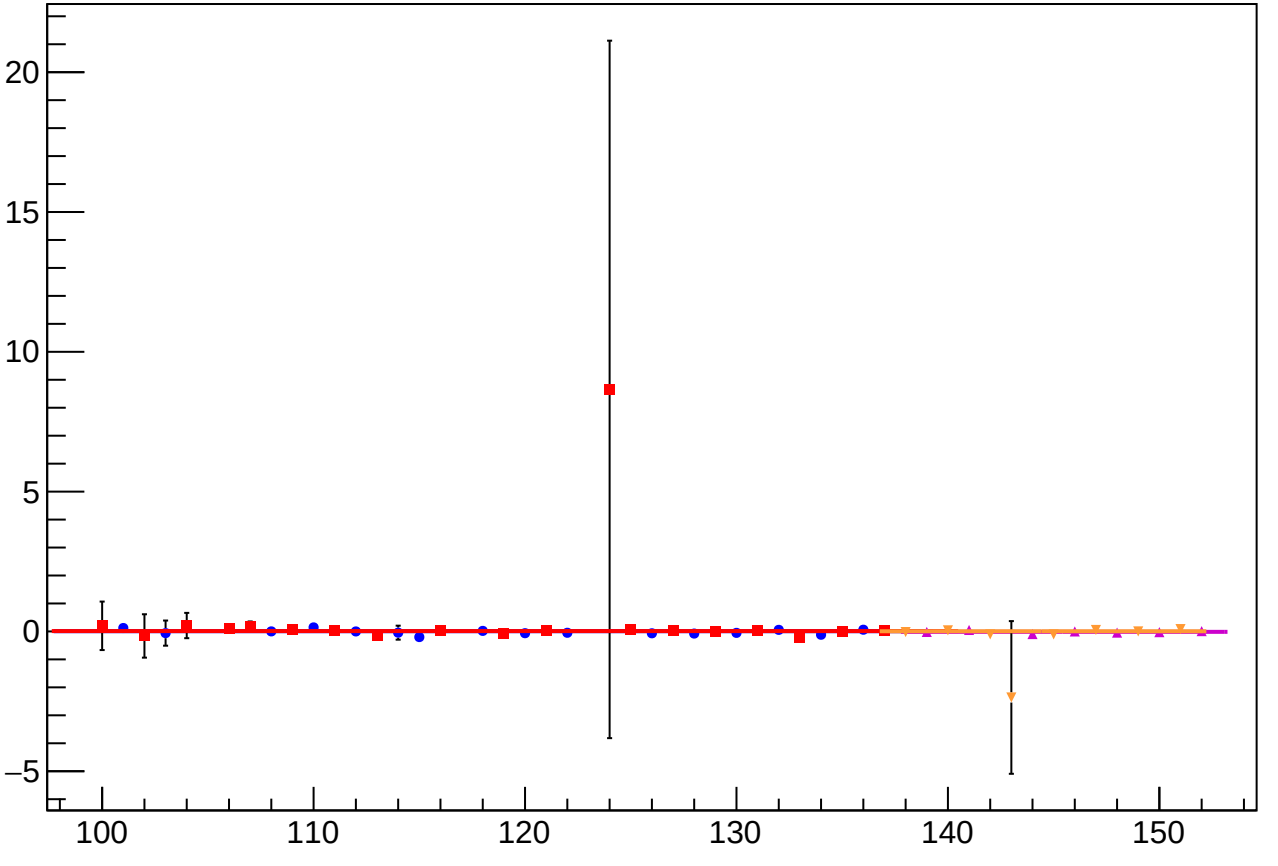
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4256810.5/22

Out: 0.000+/-0.000 χ^2/NDF:4971435.5/26

All: 0.000+/-0.000 χ^2/NDF: 9372968.8/49

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: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.005+/-0.011 χ^2/NDF: 17.0/14

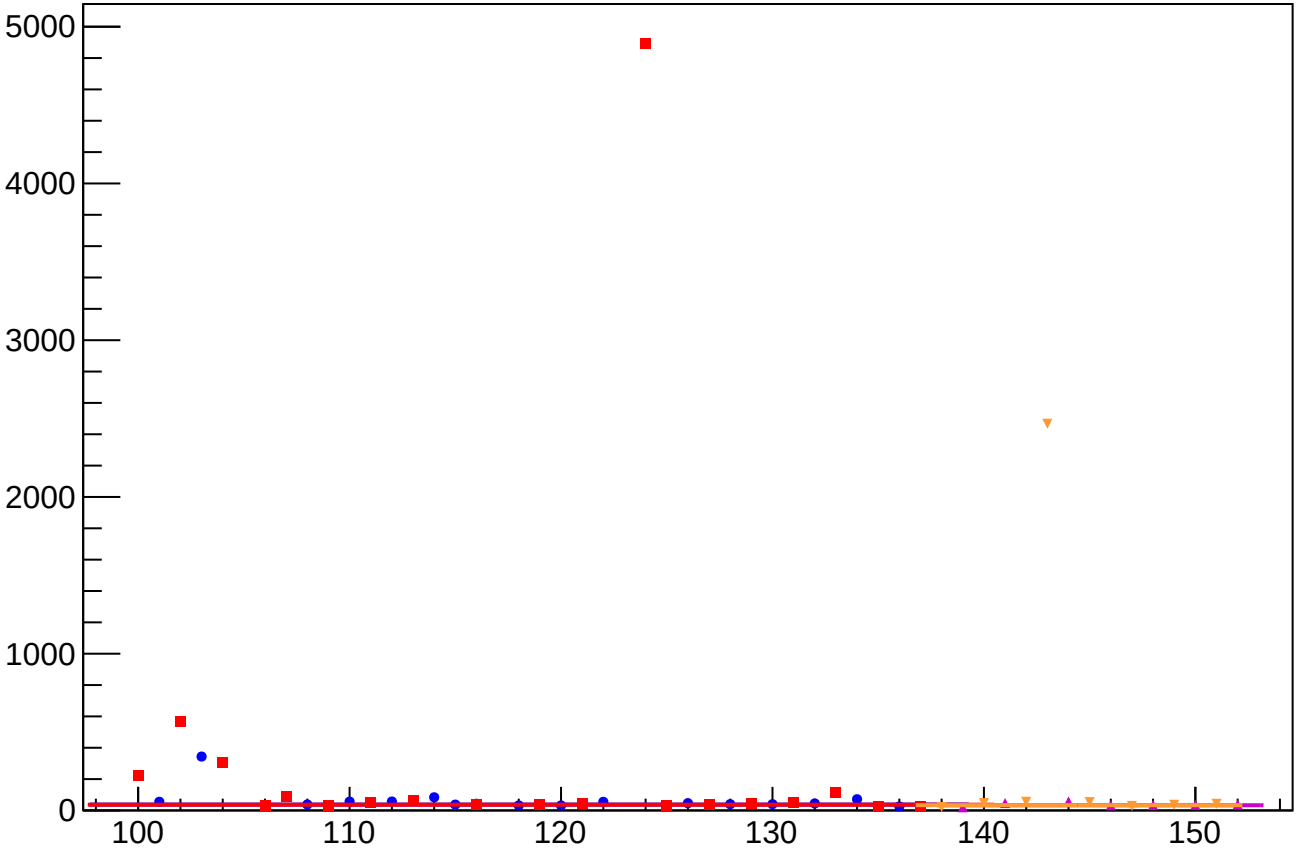
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/49

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: 33.229+/-0.011 χ^2/NDF:938959.2/6

Left: 33.423+/-0.008 χ^2/NDF: 3425729.6/14

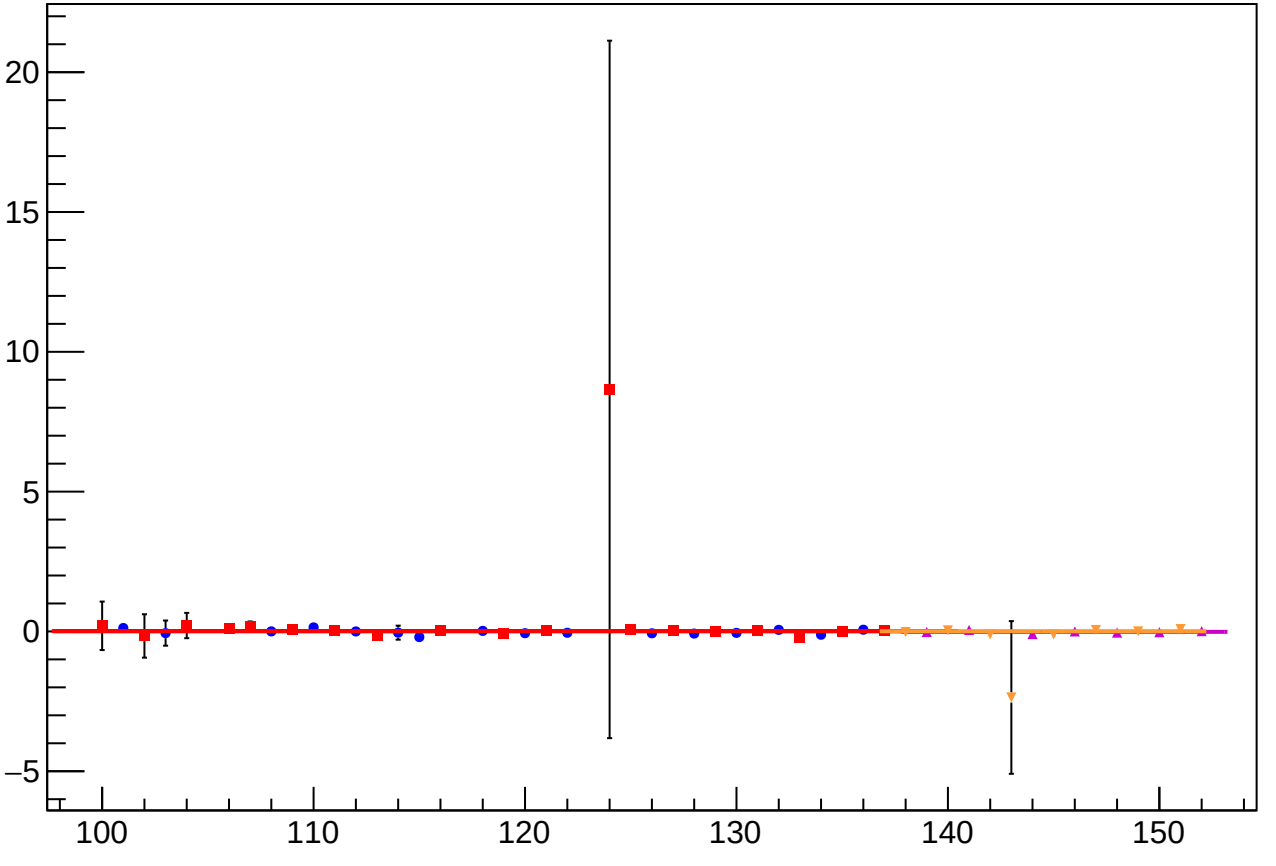
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.216+/-0.008 χ^2/NDF:2997396.5/22

Out: 35.162+/-0.008 χ^2/NDF:5713009.3/26

All: 35.191+/-0.006 χ^2/NDF: 8710428.7/49

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: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.005+/-0.011 χ^2/NDF: 17.0/14

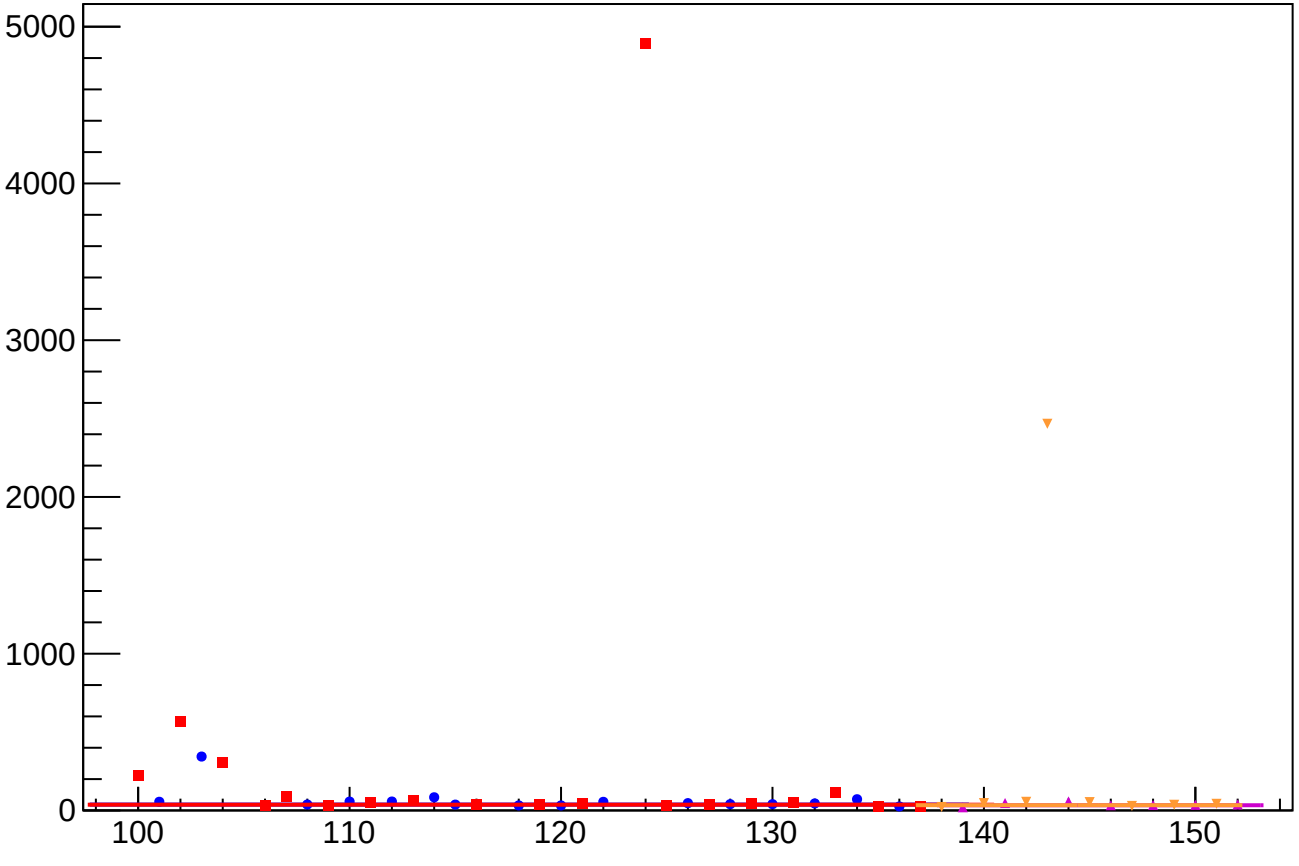
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/49

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: 33.229+/-0.011 χ^2/NDF:938959.2/6

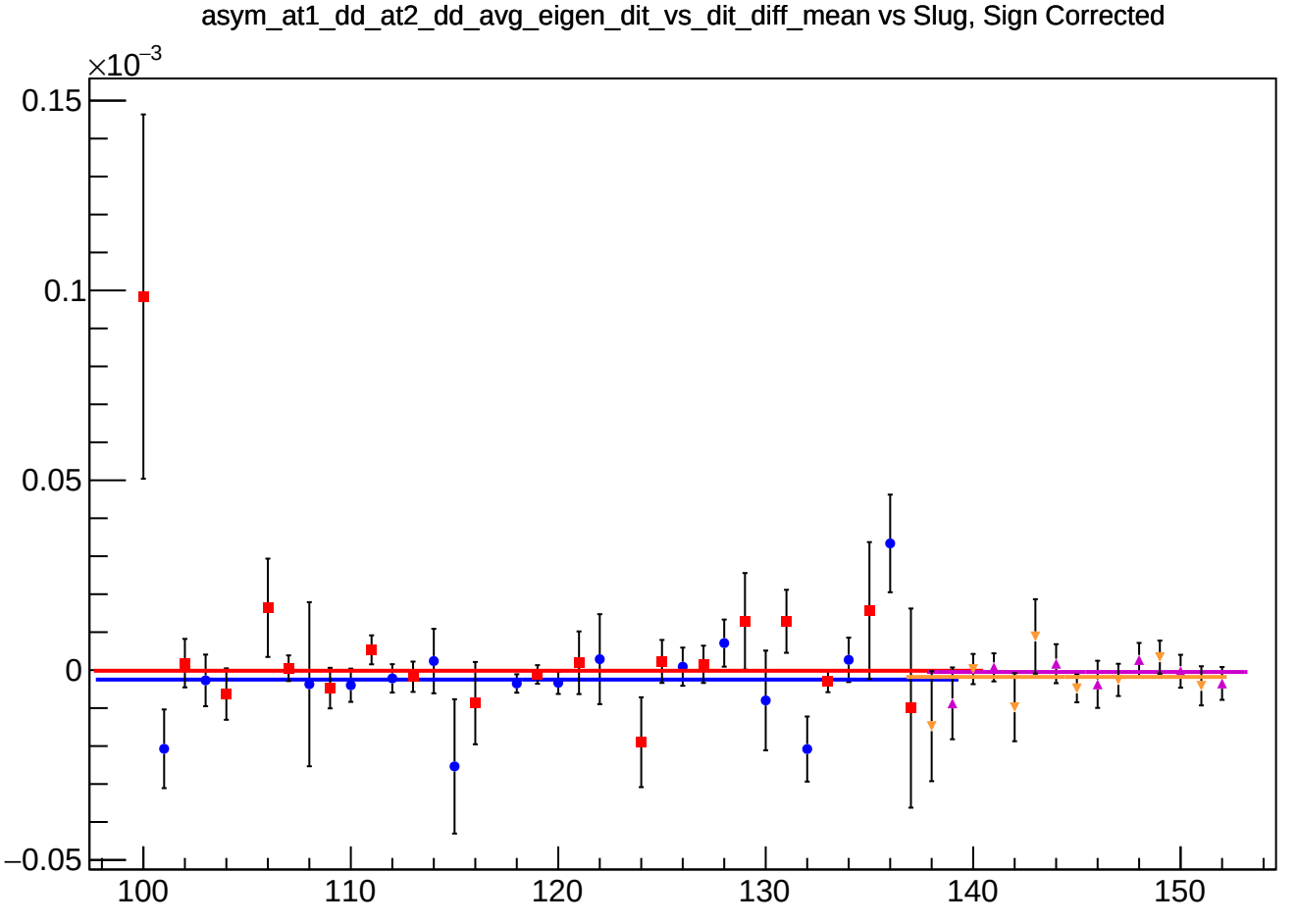
Left: 33.423+/-0.008 χ^2/NDF: 3425729.6/14

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.216+/-0.008 χ^2/NDF:2997396.5/22

Out: 35.162+/-0.008 χ^2/NDF:5713009.3/26

All: 35.191+/-0.006 χ^2/NDF: 8710428.7/49



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:2.3/6

Left: -0.000+/-0.000 χ^2/NDF: 8.0/14

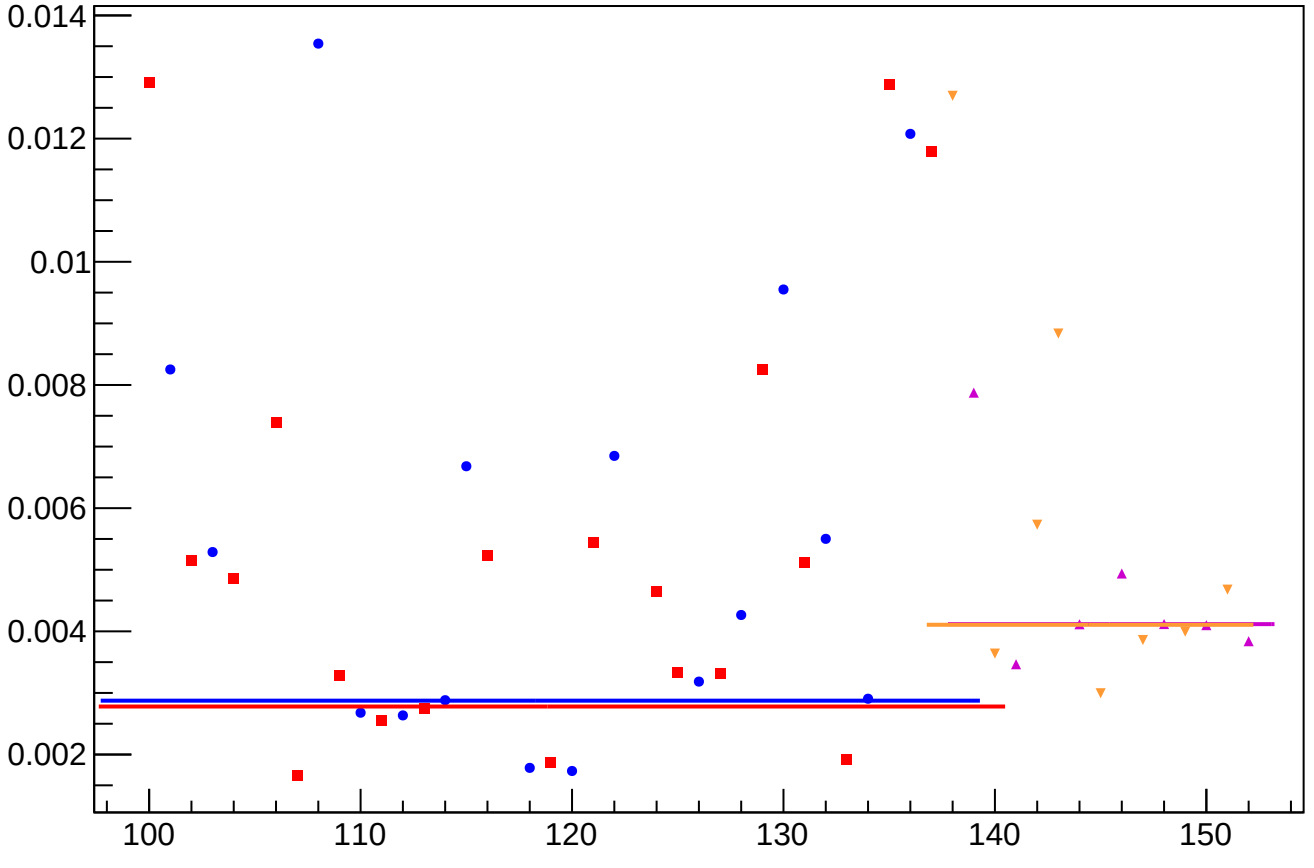
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:25.0/22

Out: -0.000+/-0.000 χ^2/NDF:24.8/26

All: -0.000+/-0.000 χ^2/NDF: 50.4/49

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1477024.7/7

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:421329.1/6

Left: 0.004+/-0.000 χ^2/NDF: 1898387.2/14

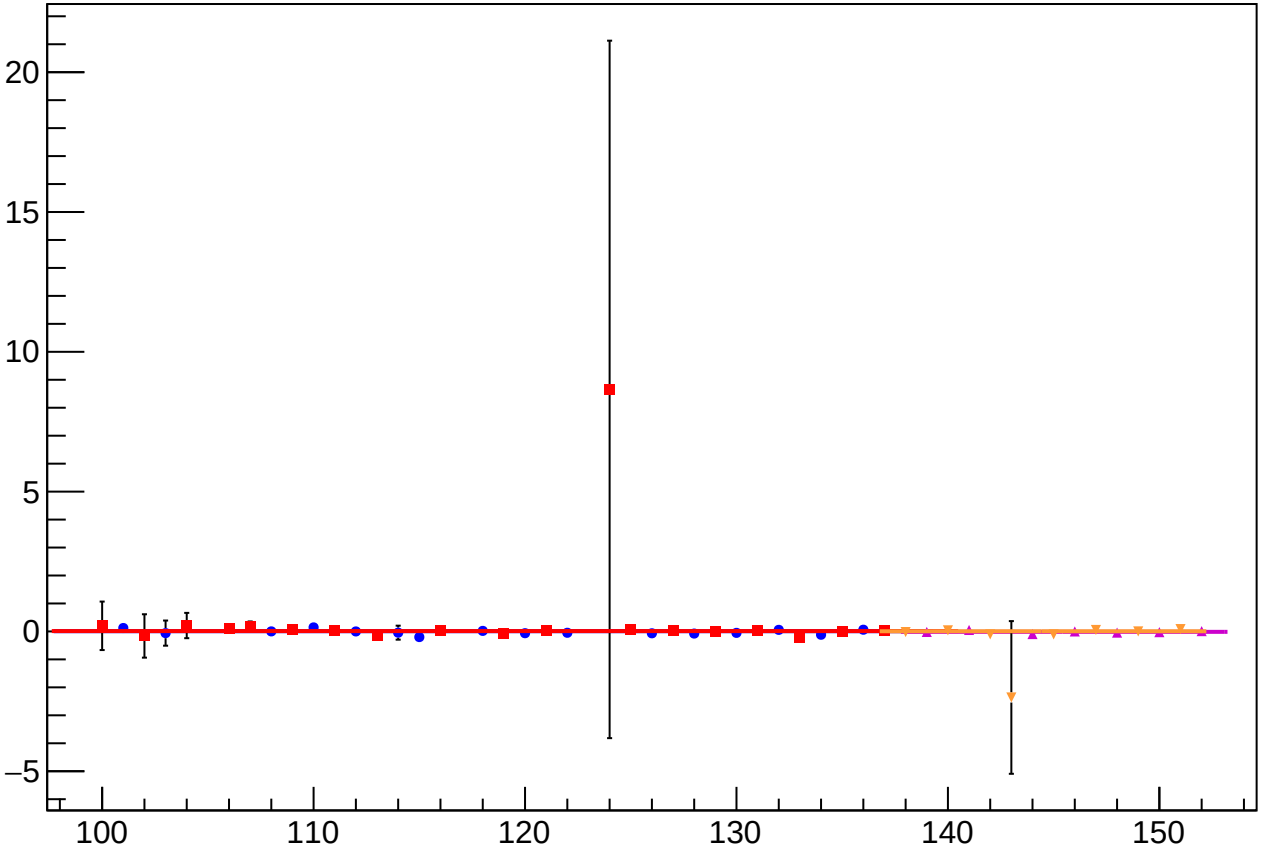
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5192569.9/22

Out: 0.003+/-0.000 χ^2/NDF:5554380.1/26

All: 0.003+/-0.000 χ^2/NDF: 10761214.4/49

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: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.005+/-0.011 χ^2/NDF: 17.0/14

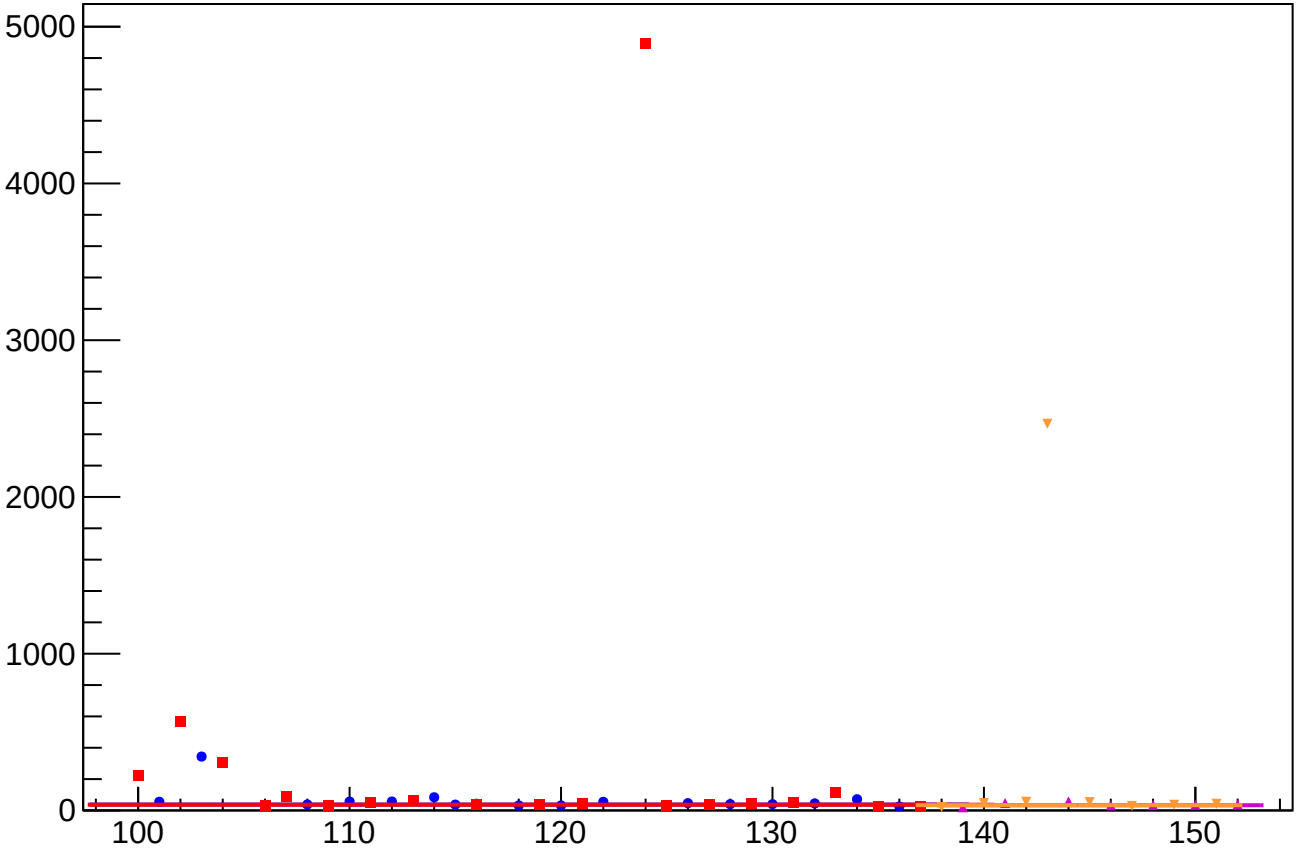
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/49

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: 33.233+/-0.011 χ^2/NDF:938144.4/6

Left: 33.424+/-0.008 χ^2/NDF: 3425264.1/14

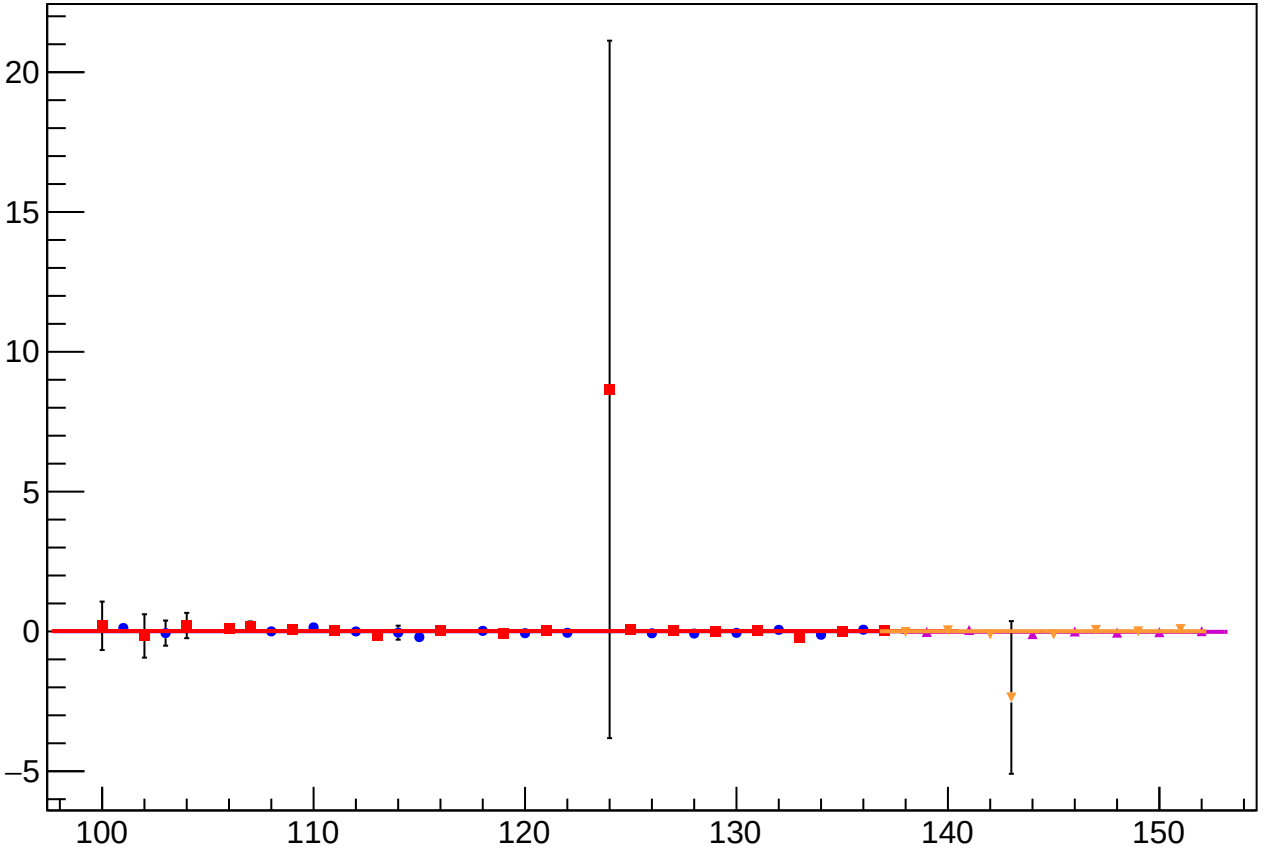
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.219+/-0.008 χ^2/NDF:2996382.3/22

Out: 35.161+/-0.008 χ^2/NDF:5713194.3/26

All: 35.192+/-0.006 χ^2/NDF: 8709602.5/49

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: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.005+/-0.011 χ^2/NDF: 17.0/14

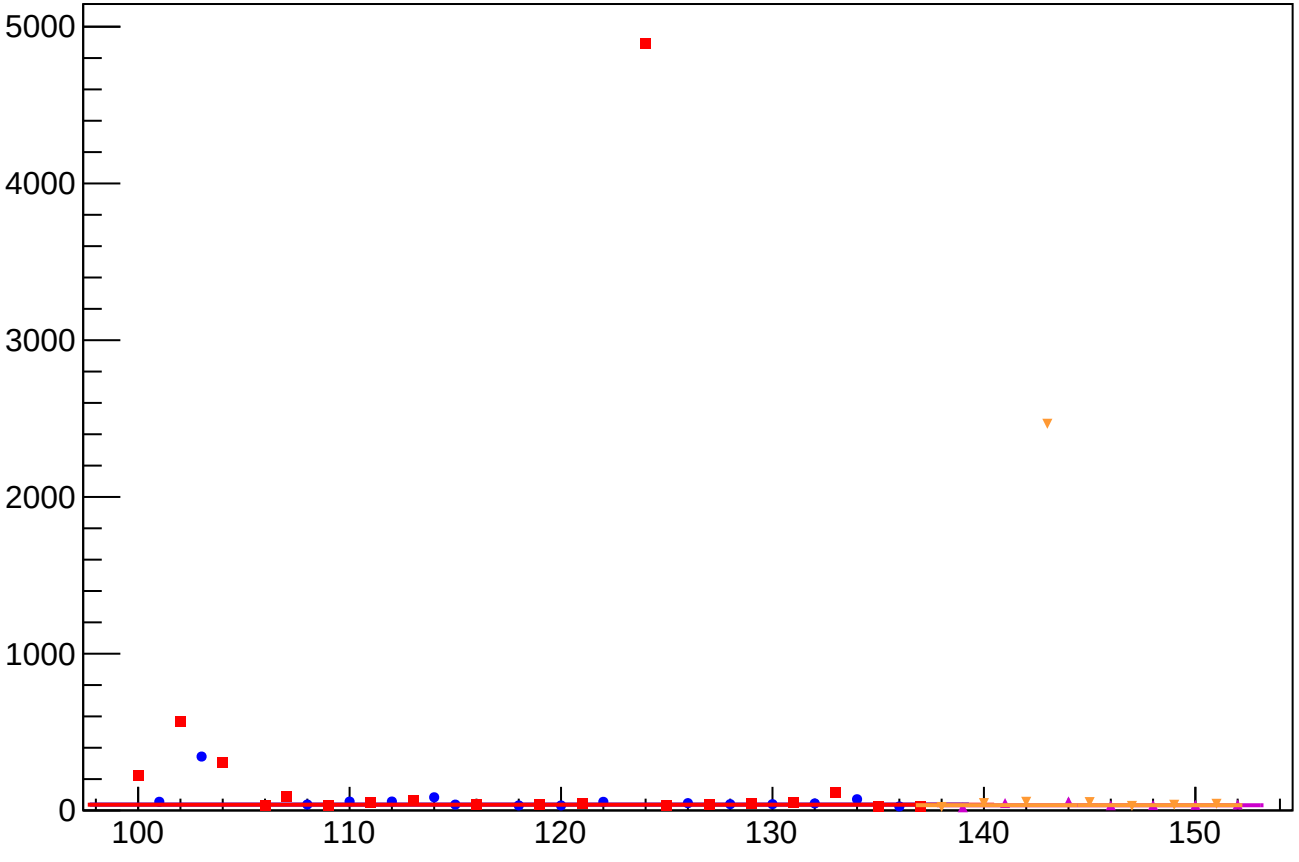
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.009+/-0.012 χ^2/NDF:24.4/26

All: 0.002+/-0.008 χ^2/NDF: 49.8/49

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: 33.233+/-0.011 χ^2/NDF:938144.4/6

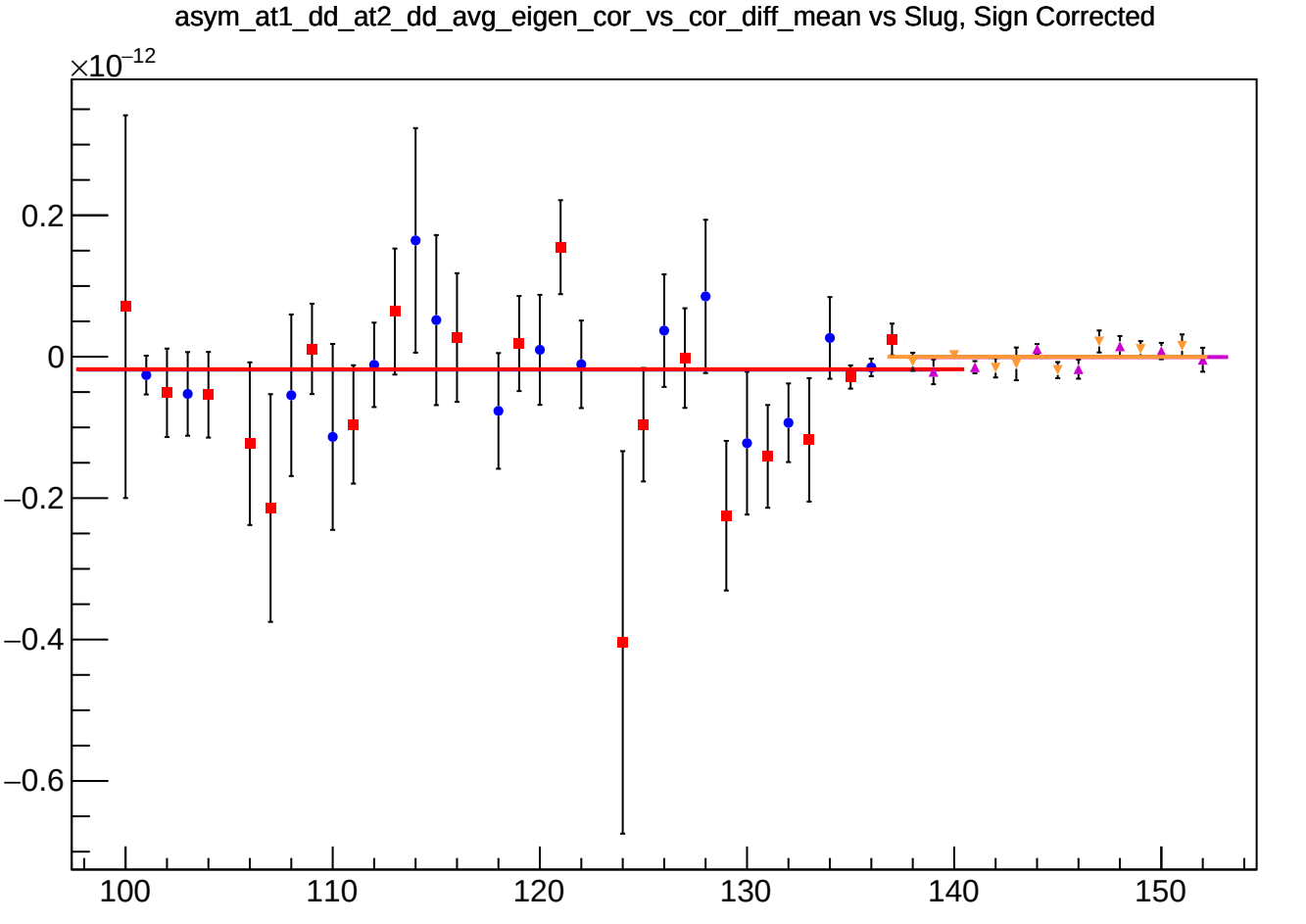
Left: 33.424+/-0.008 χ^2/NDF: 3425264.1/14

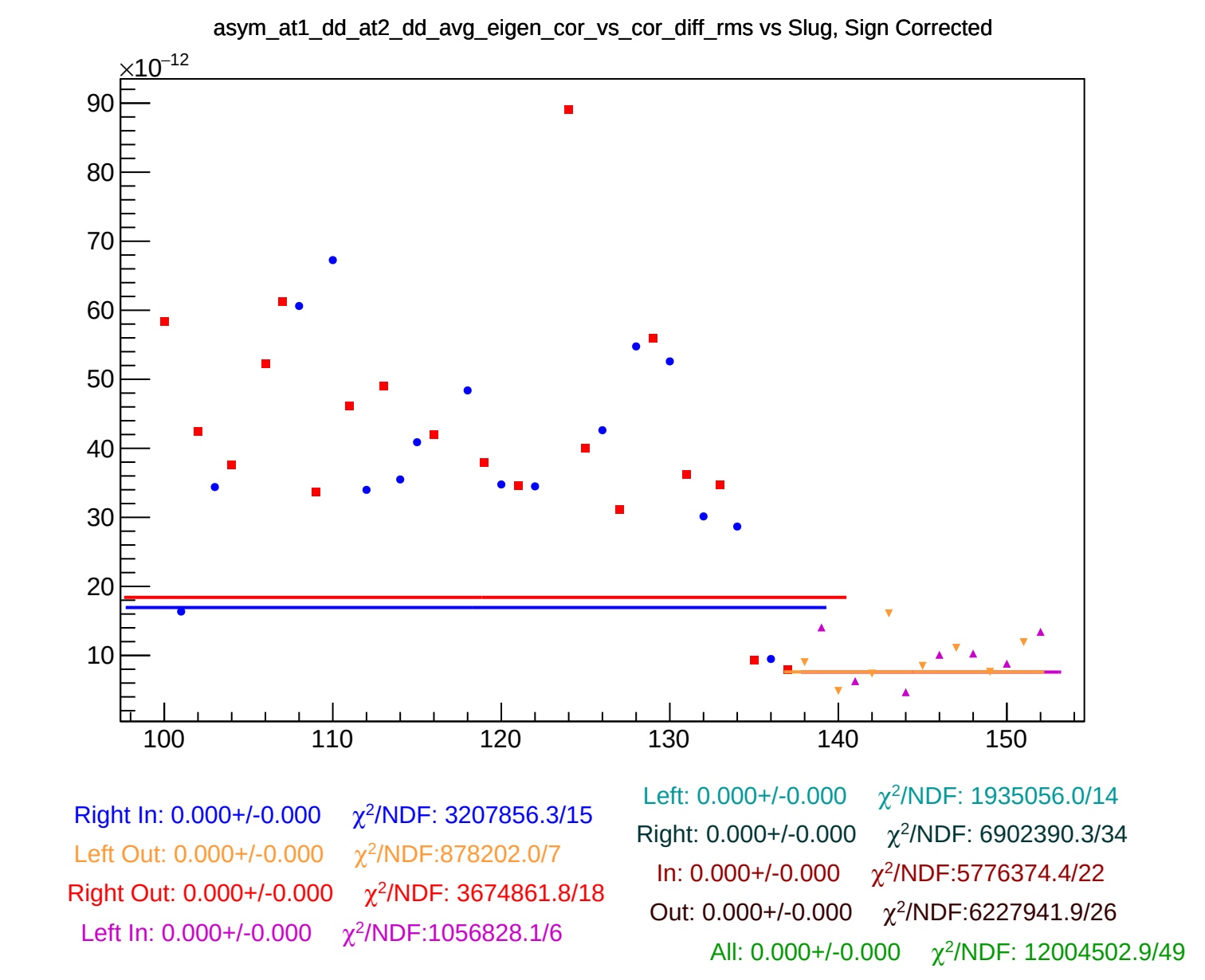
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.219+/-0.008 χ^2/NDF:2996382.3/22

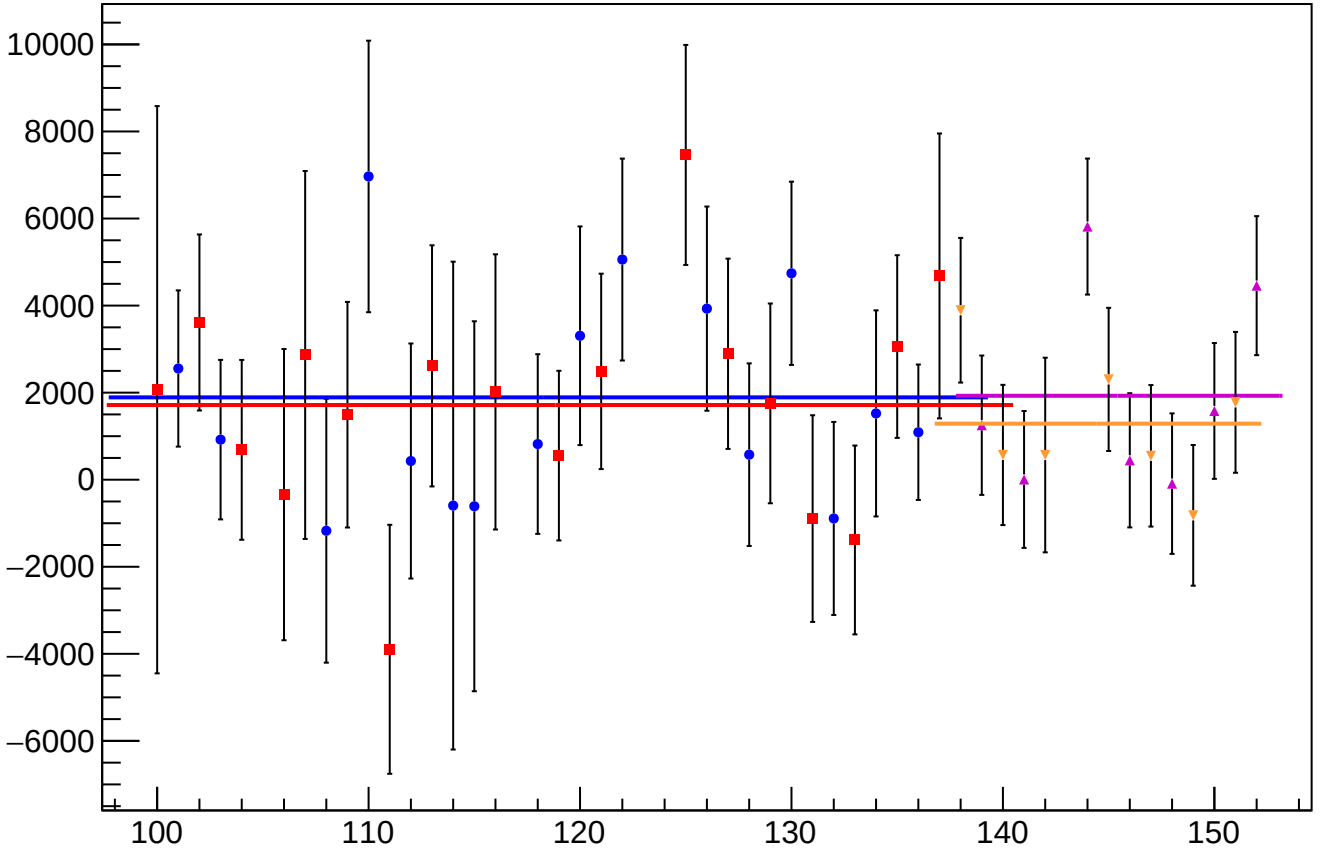
Out: 35.161+/-0.008 χ^2/NDF:5713194.3/26

All: 35.192+/-0.006 χ^2/NDF: 8709602.5/49


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:10.0/6
Left: -0.000+/-0.000 χ²/NDF: 18.5/14
Right: -0.000+/-0.000 χ²/NDF: 35.6/34
In: -0.000+/-0.000 χ²/NDF:21.1/22
Out: -0.000+/-0.000 χ²/NDF:37.9/26
All: -0.000+/-0.000 χ²/NDF: 59.0/49


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:1056828.1/6
Left: 0.000+/-0.000 χ²/NDF: 1935056.0/14
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:5776374.4/22
Out: 0.000+/-0.000 χ²/NDF:6227941.9/26
All: 0.000+/-0.000 χ²/NDF: 12004502.9/49

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: 1928.236+/-596.304 χ^2/NDF:12.9/6

Left: 1629.197+/-435.475 χ^2/NDF: 18.6/13

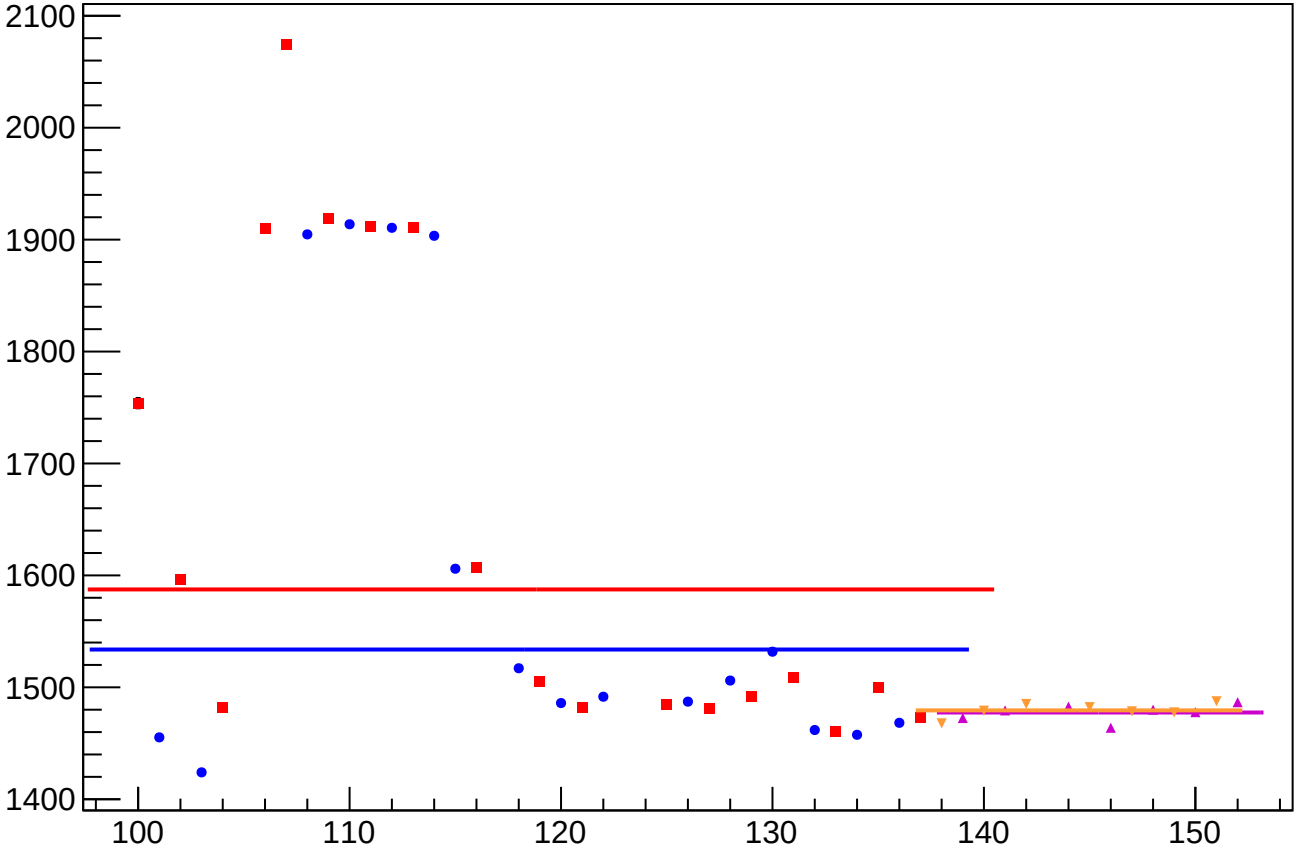
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1909.090+/-412.882 χ^2/NDF:25.1/22

Out: 1518.397+/-432.811 χ^2/NDF:21.4/24

All: 1722.945+/-298.748 χ^2/NDF: 46.9/47

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: 1477.494+/-0.422 χ^2/NDF:272.0/6

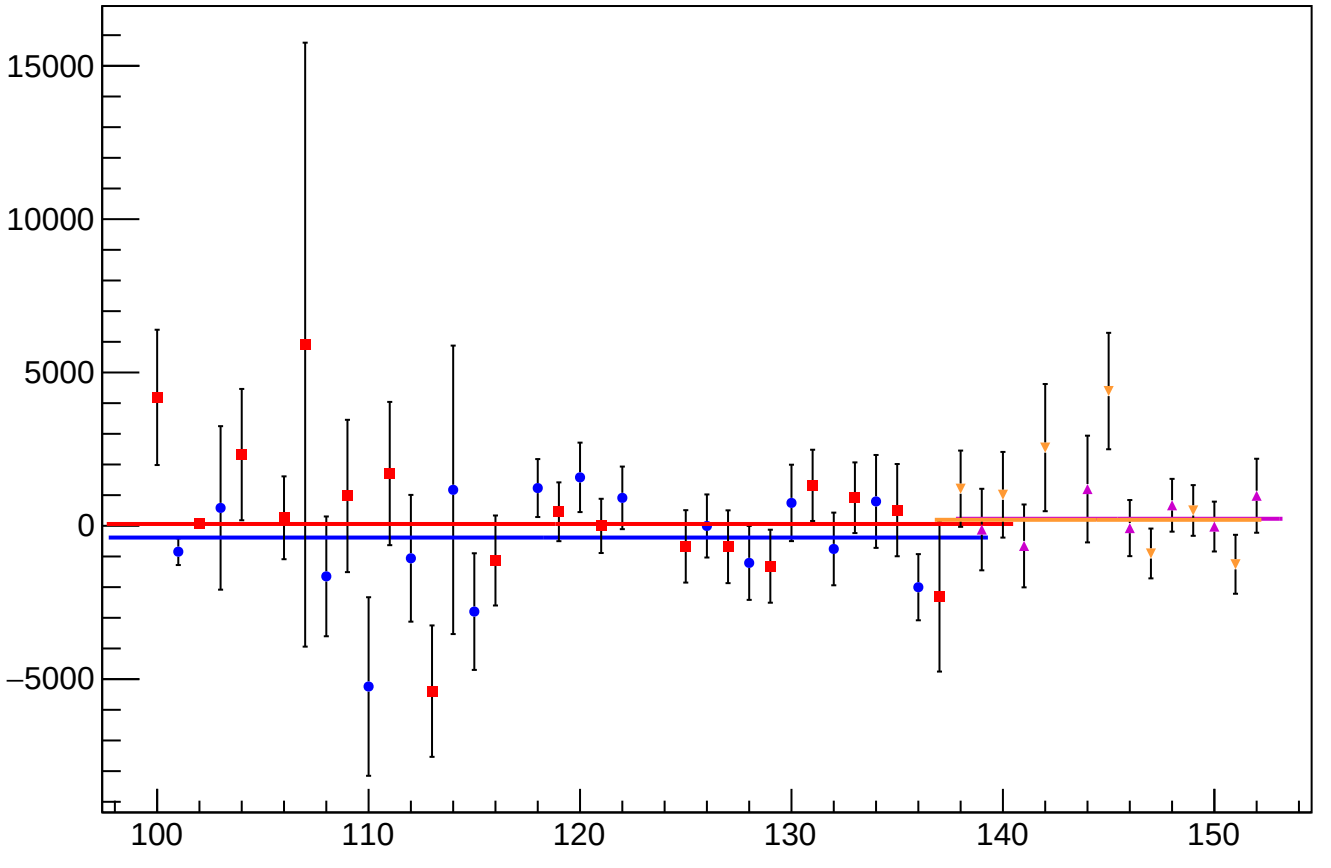
Left: 1478.381+/-0.308 χ^2/NDF: 451.9/13

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1506.790+/-0.292 χ^2/NDF:138817.2/22

Out: 1537.645+/-0.306 χ^2/NDF:203139.8/24

All: 1521.491+/-0.211 χ^2/NDF: 347278.4/47



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: 229.737+/-402.008 χ^2/NDF:1.7/6

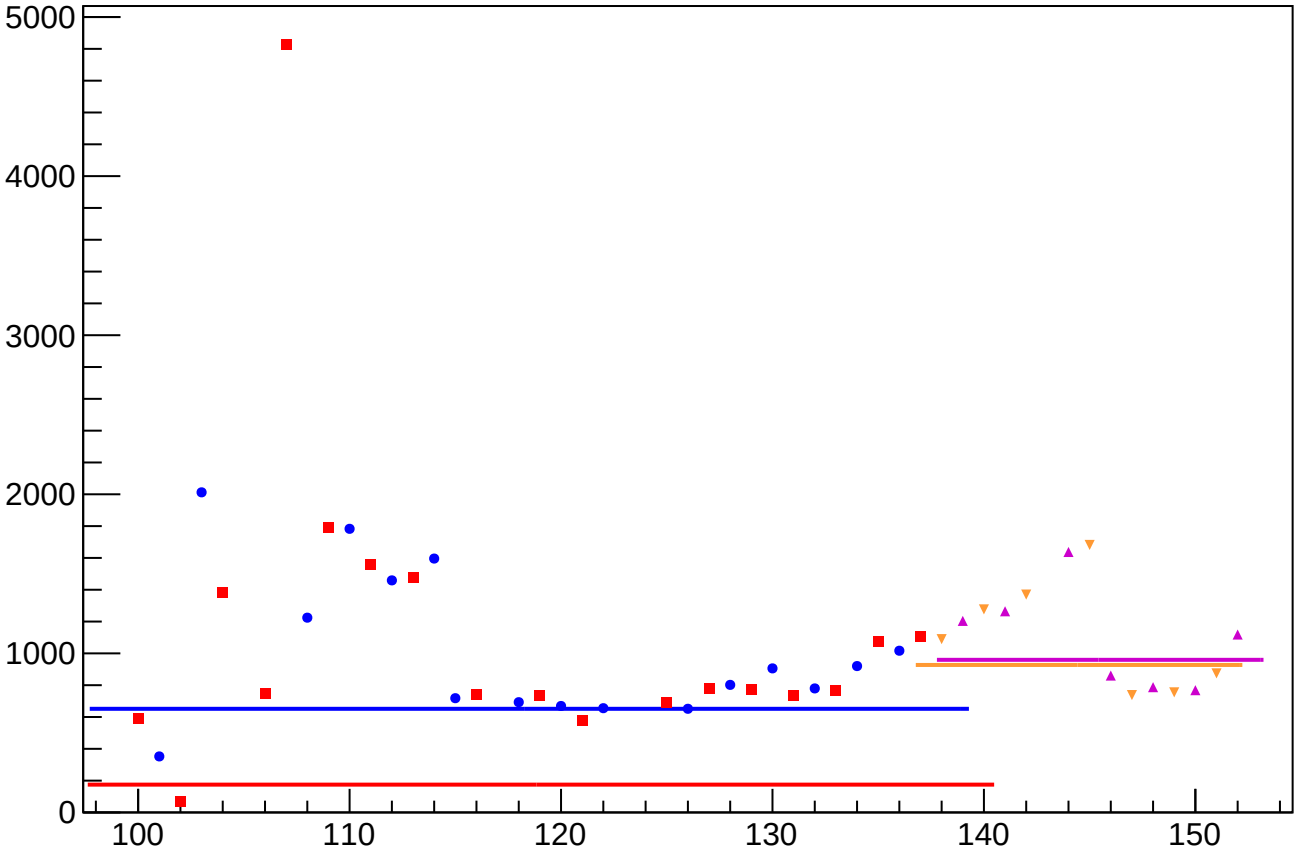
Left: 213.450+/-289.661 χ^2/NDF: 13.1/13

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -190.233+/-225.398 χ^2/NDF:21.5/22

Out: 71.585+/-122.122 χ^2/NDF:29.3/24

All: 12.169+/-107.374 χ^2/NDF: 51.8/47



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: 959.451+/-0.284 χ^2/NDF:721449.6/6

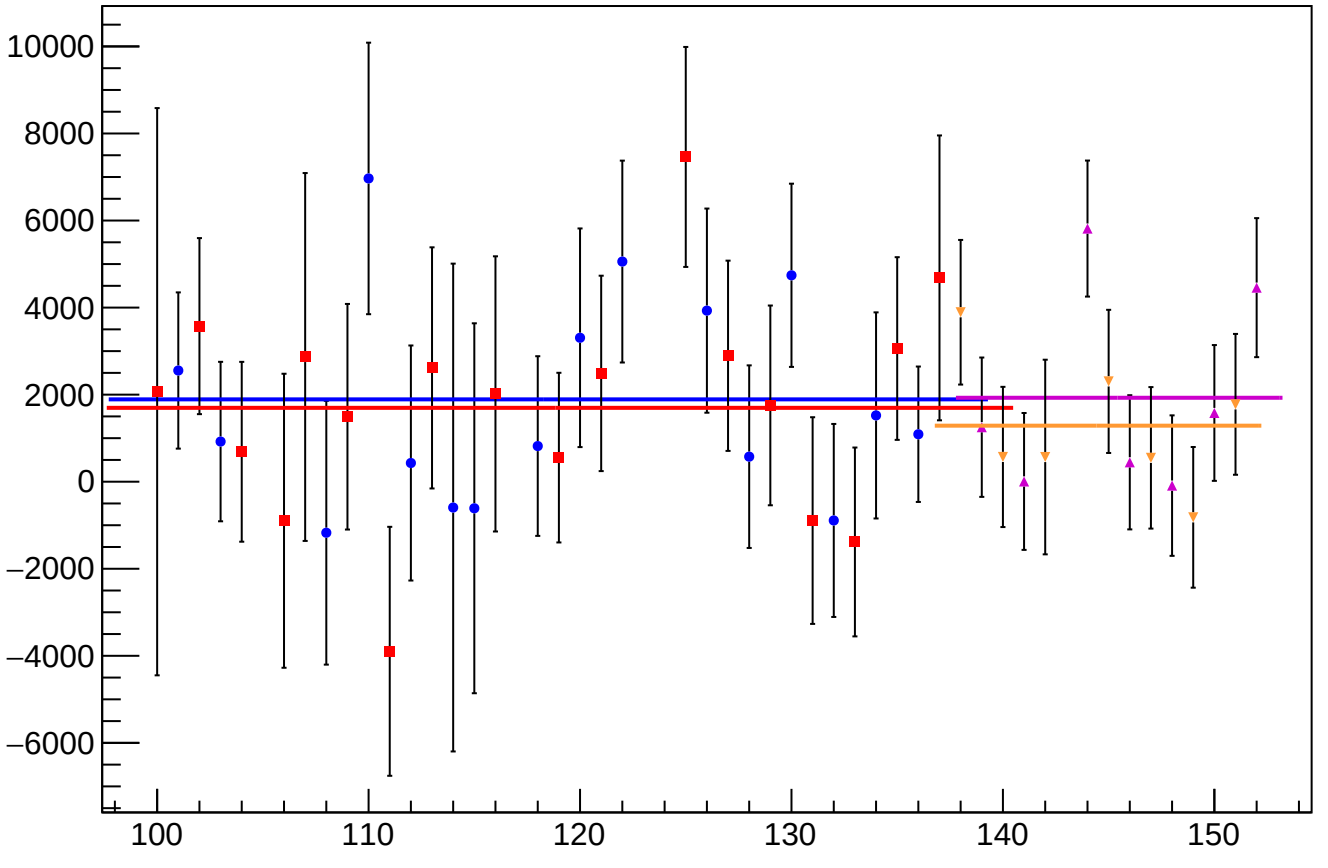
Left: 943.933+/-0.205 χ^2/NDF: 1495157.0/13

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 748.324+/-0.159 χ^2/NDF:4288653.8/22

Out: 239.193+/-0.086 χ^2/NDF:16460677.0/24

All: 354.732+/-0.076 χ^2/NDF: 28638026.4/47



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: 1928.376+/-596.304 χ^2/NDF:12.9/6

Left: 1629.203+/-435.475 χ^2/NDF: 18.6/13

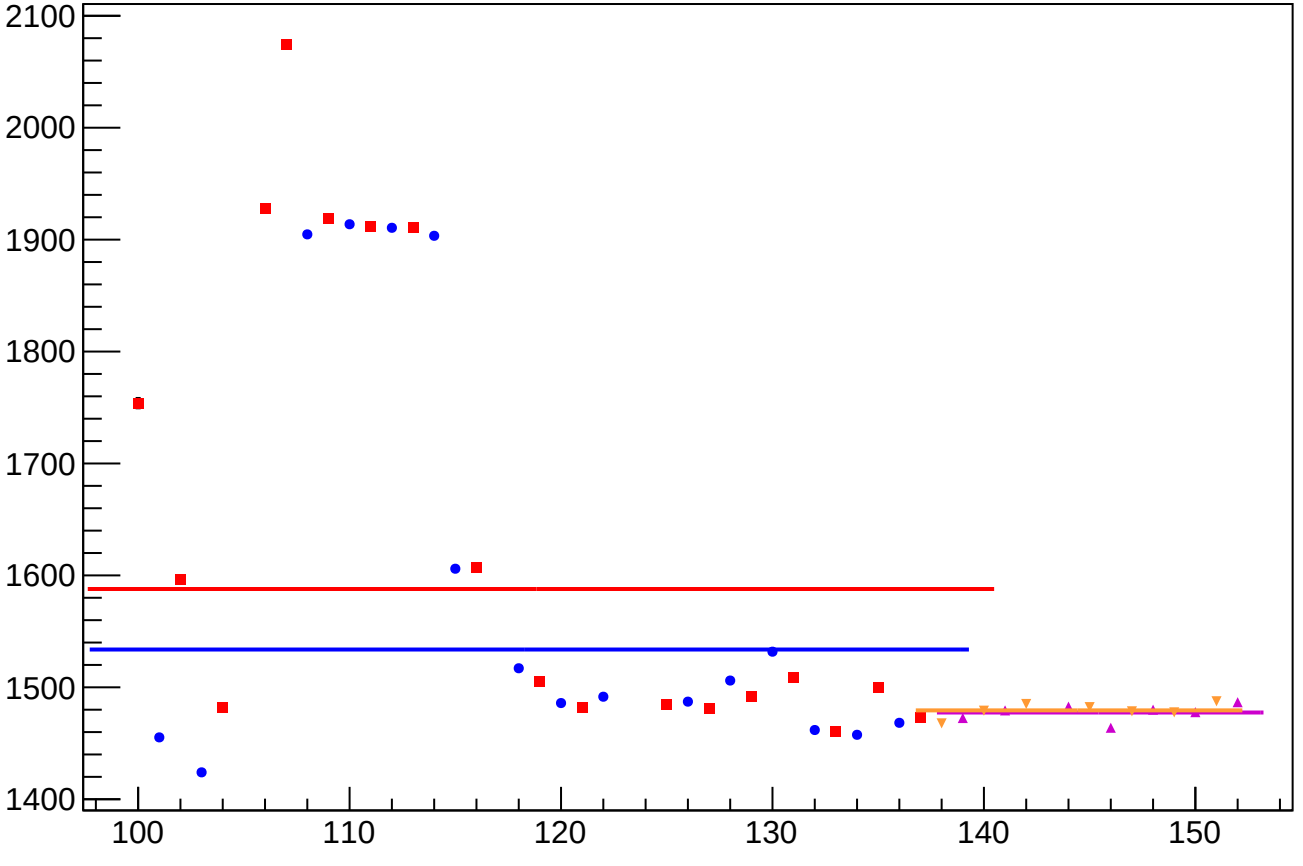
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1909.211+/-412.882 χ^2/NDF:25.1/22

Out: 1508.068+/-432.882 χ^2/NDF:21.5/24

All: 1718.121+/-298.772 χ^2/NDF: 47.1/47

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: 1477.494+/-0.422 χ^2/NDF:272.0/6

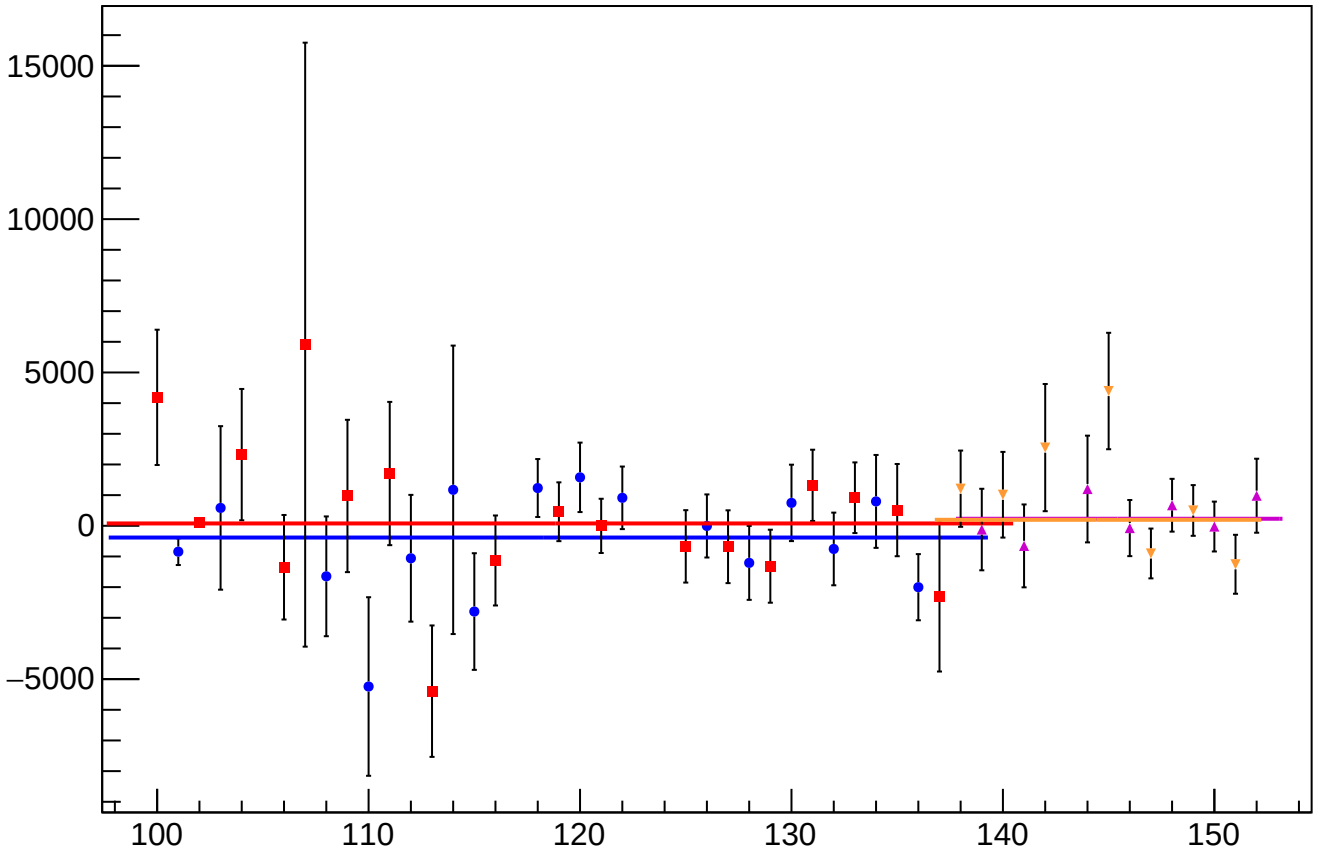
Left: 1478.381+/-0.308 χ^2/NDF: 451.9/13

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1506.790+/-0.292 χ^2/NDF:138817.1/22

Out: 1537.836+/-0.306 χ^2/NDF:205130.7/24

All: 1521.579+/-0.211 χ^2/NDF: 349334.3/47



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: 229.798+/-402.008 χ^2/NDF:1.7/6

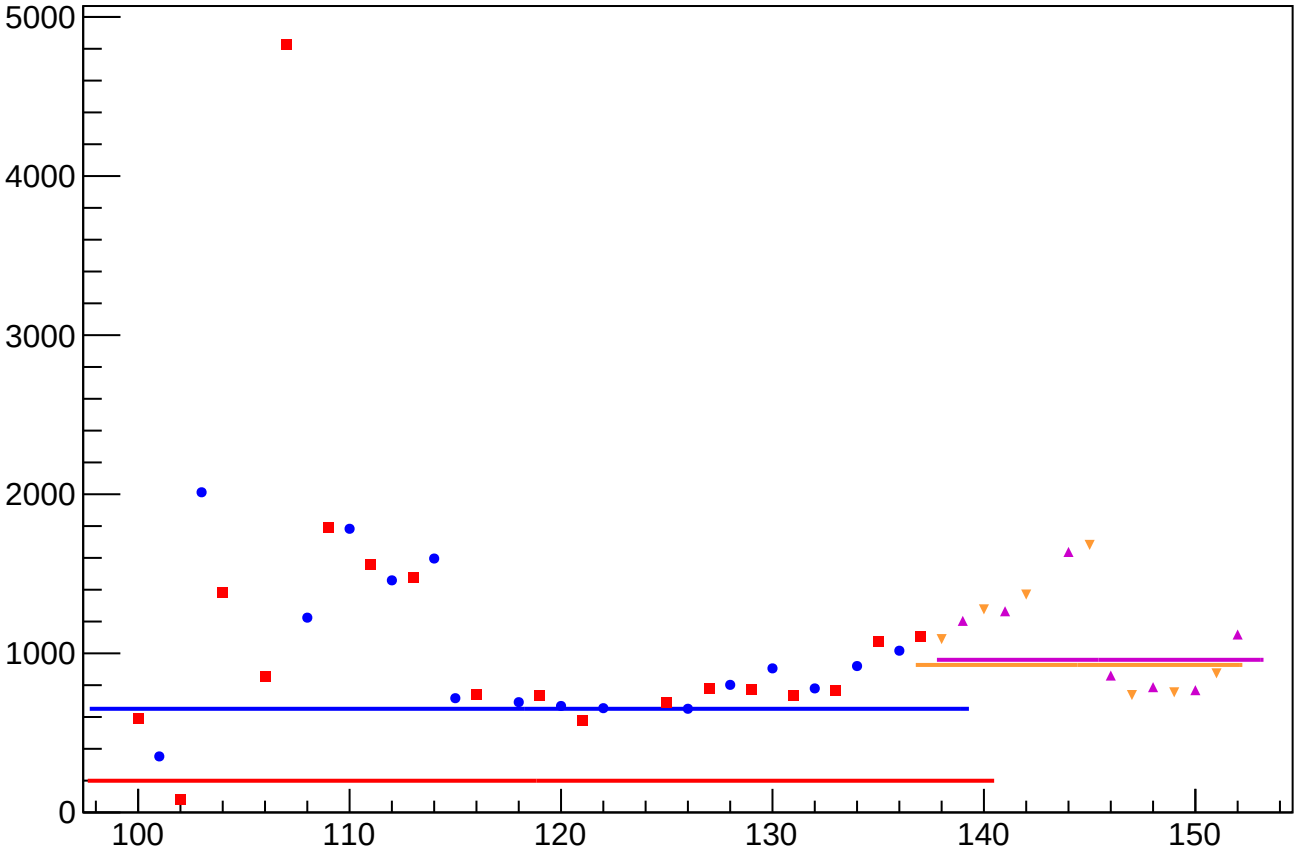
Left: 213.365+/-289.662 χ^2/NDF: 13.1/13

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -190.196+/-225.398 χ^2/NDF:21.5/22

Out: 88.471+/-131.152 χ^2/NDF:30.0/24

All: 17.986+/-113.359 χ^2/NDF: 52.6/47



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: 959.447+/-0.284 χ^2/NDF:721472.9/6

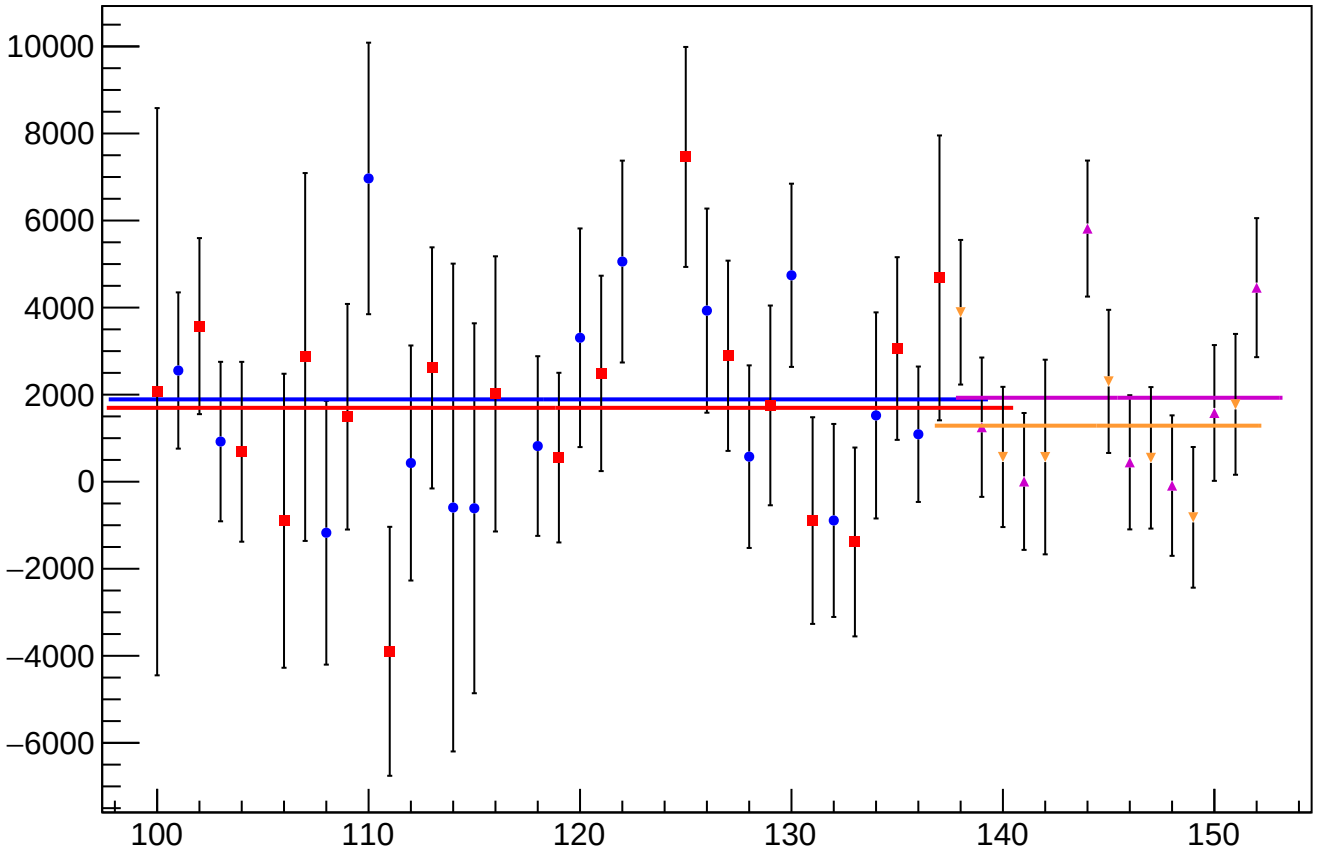
Left: 943.936+/-0.205 χ^2/NDF: 1495154.5/13

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 748.322+/-0.159 χ^2/NDF:4288695.6/22

Out: 271.089+/-0.093 χ^2/NDF:15525439.5/24

All: 391.798+/-0.080 χ^2/NDF: 26512205.6/47



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: 1928.376+/-596.304 χ^2/NDF:12.9/6

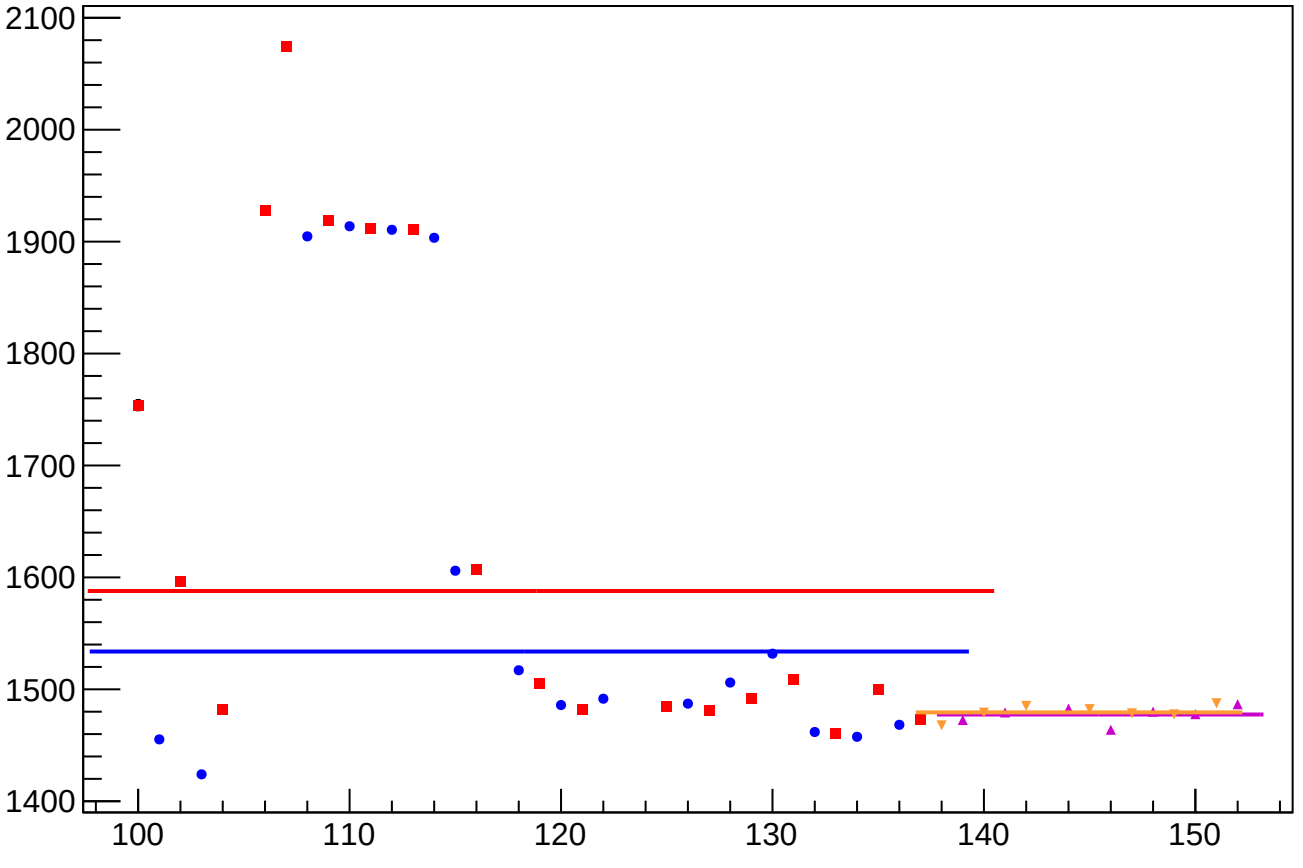
Left: 1629.203+/-435.475 χ^2/NDF: 18.6/13

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1909.211+/-412.882 χ^2/NDF:25.1/22

Out: 1508.068+/-432.882 χ^2/NDF:21.5/24

All: 1718.121+/-298.772 χ^2/NDF: 47.1/47



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: 1477.494+/-0.422 χ^2/NDF:272.0/6

Left: 1478.381+/-0.308 χ^2/NDF: 451.9/13

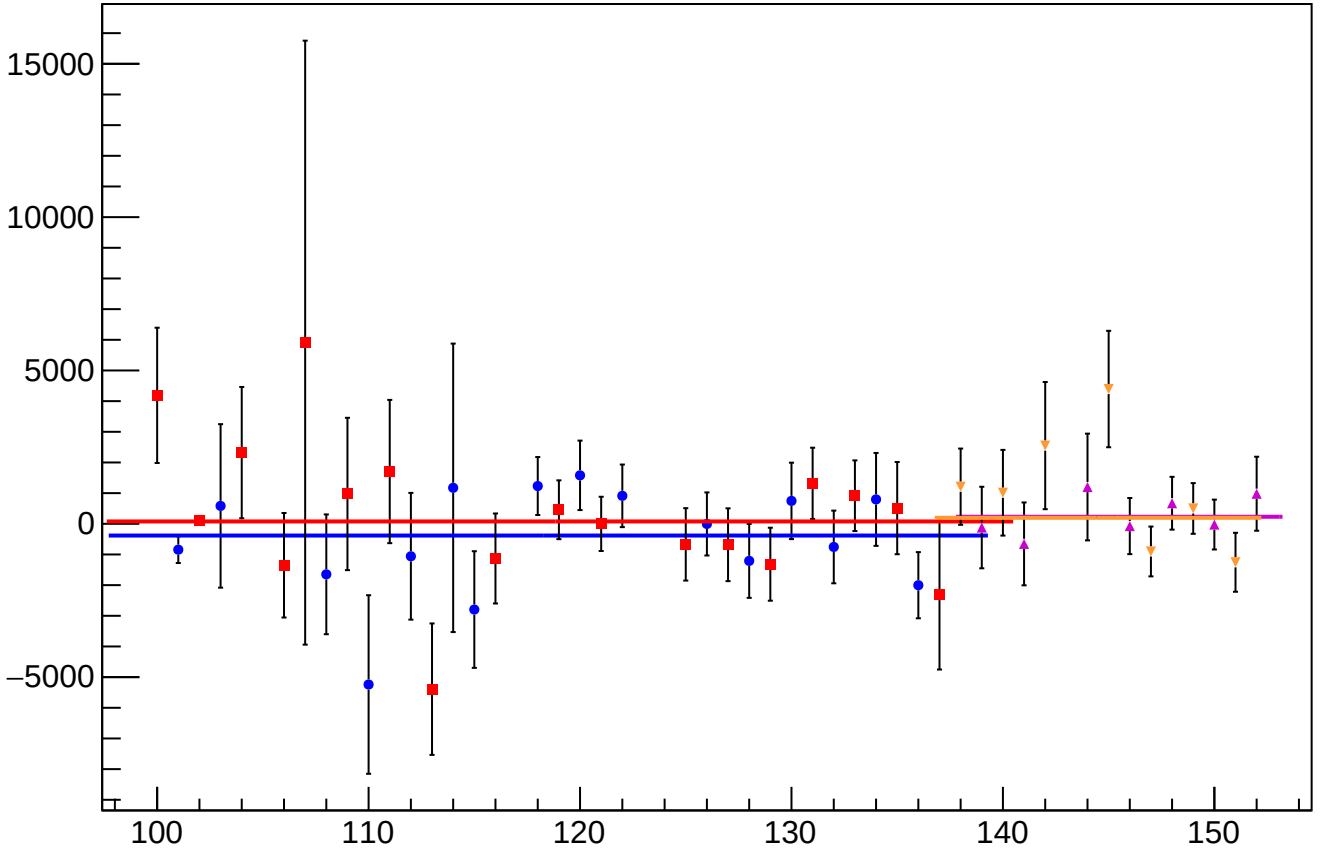
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1506.790+/-0.292 χ^2/NDF:138817.1/22

Out: 1537.836+/-0.306 χ^2/NDF:205130.7/24

All: 1521.579+/-0.211 χ^2/NDF: 349334.3/47

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 195.622+/-417.733 χ^2/NDF:11.4/6

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 229.798+/-402.008 χ^2/NDF:1.7/6

Left: 213.365+/-289.662 χ^2/NDF: 13.1/13

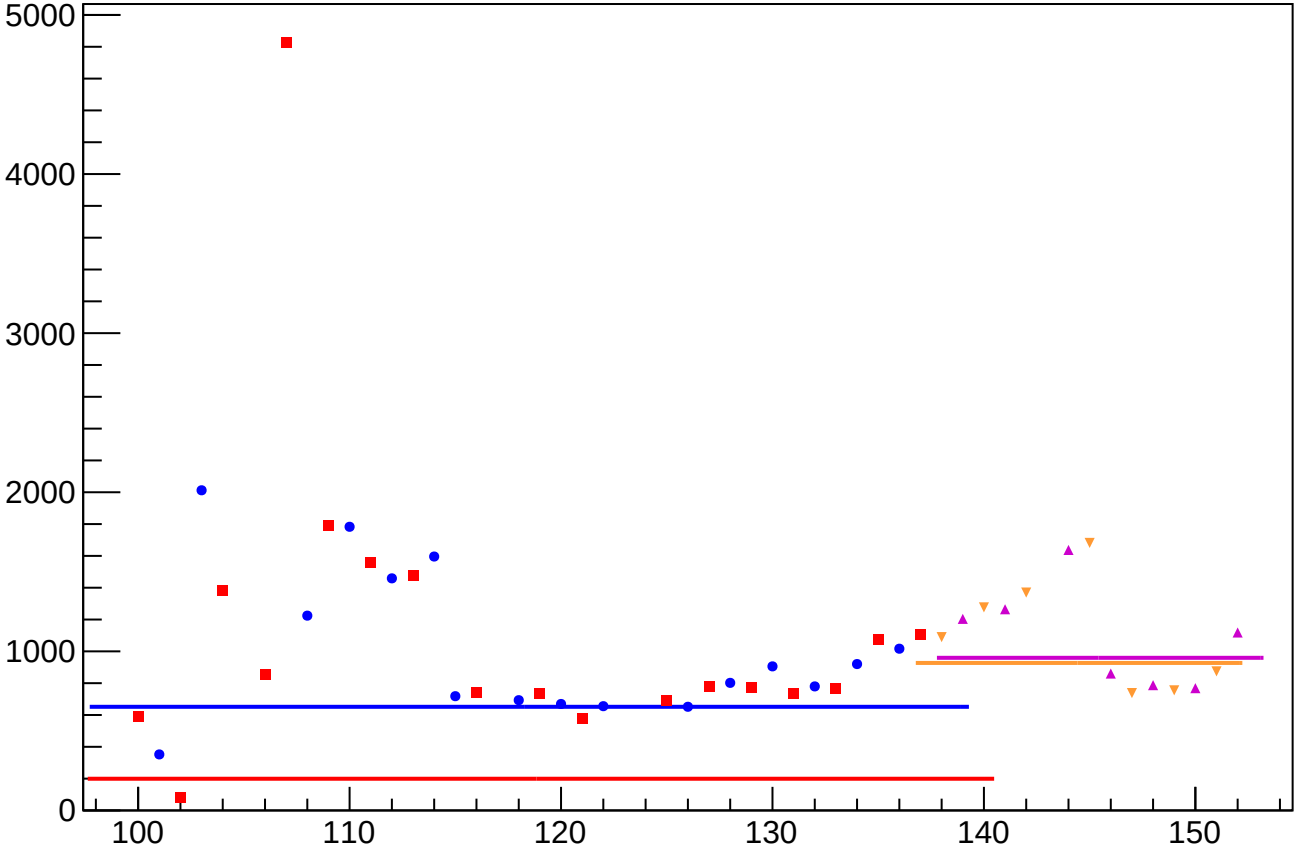
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -190.196+/-225.398 χ^2/NDF:21.5/22

Out: 88.471+/-131.152 χ^2/NDF:30.0/24

All: 17.986+/-113.359 χ^2/NDF: 52.6/47

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: 959.447+/-0.284 χ^2/NDF:721472.9/6

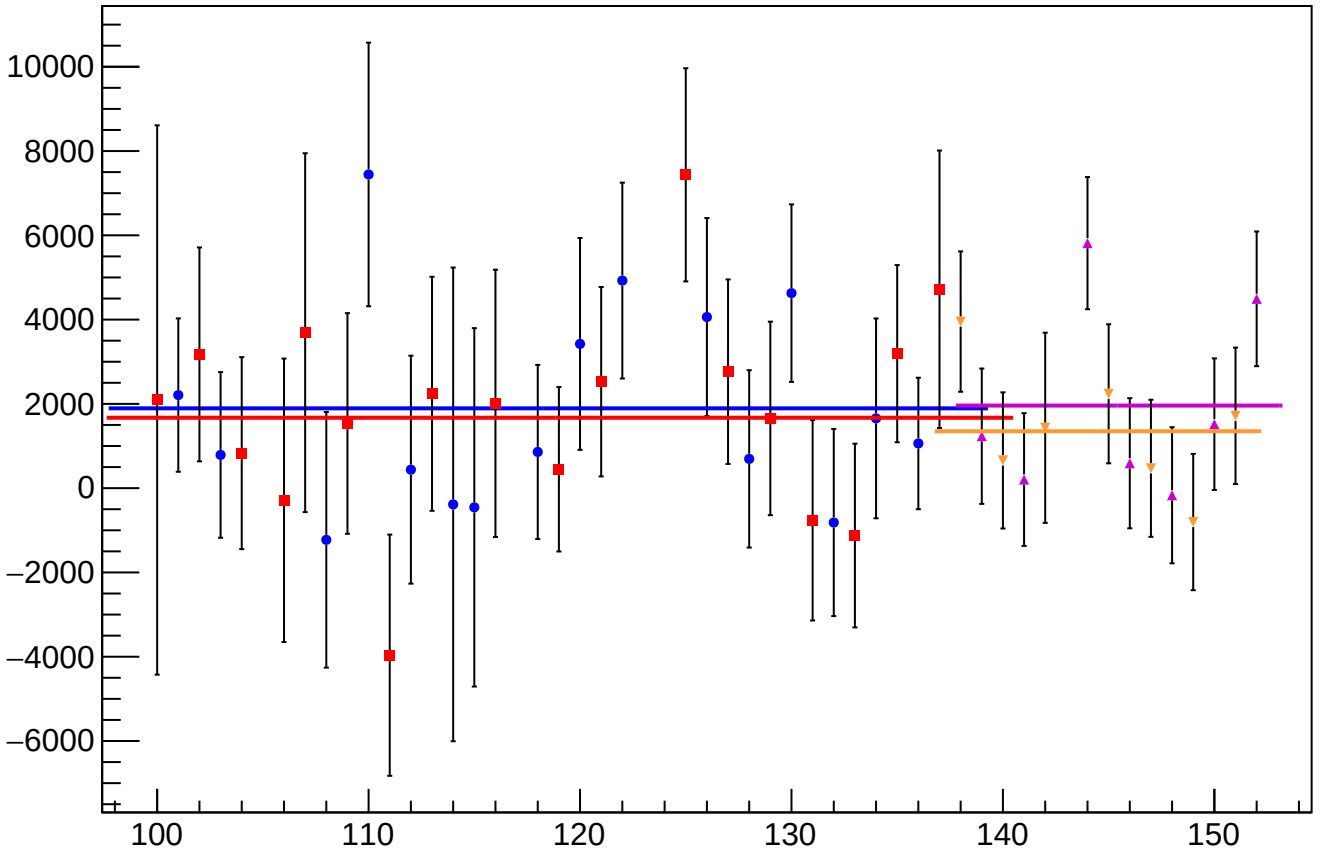
Left: 943.936+/-0.205 χ^2/NDF: 1495154.5/13

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 748.322+/-0.159 χ^2/NDF:4288695.6/22

Out: 271.089+/-0.093 χ^2/NDF:15525439.5/24

All: 391.798+/-0.080 χ^2/NDF: 26512205.6/47



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: 1959.894+/-597.379 χ^2/NDF:12.6/6

Left: 1675.608+/-436.373 χ^2/NDF: 18.1/13

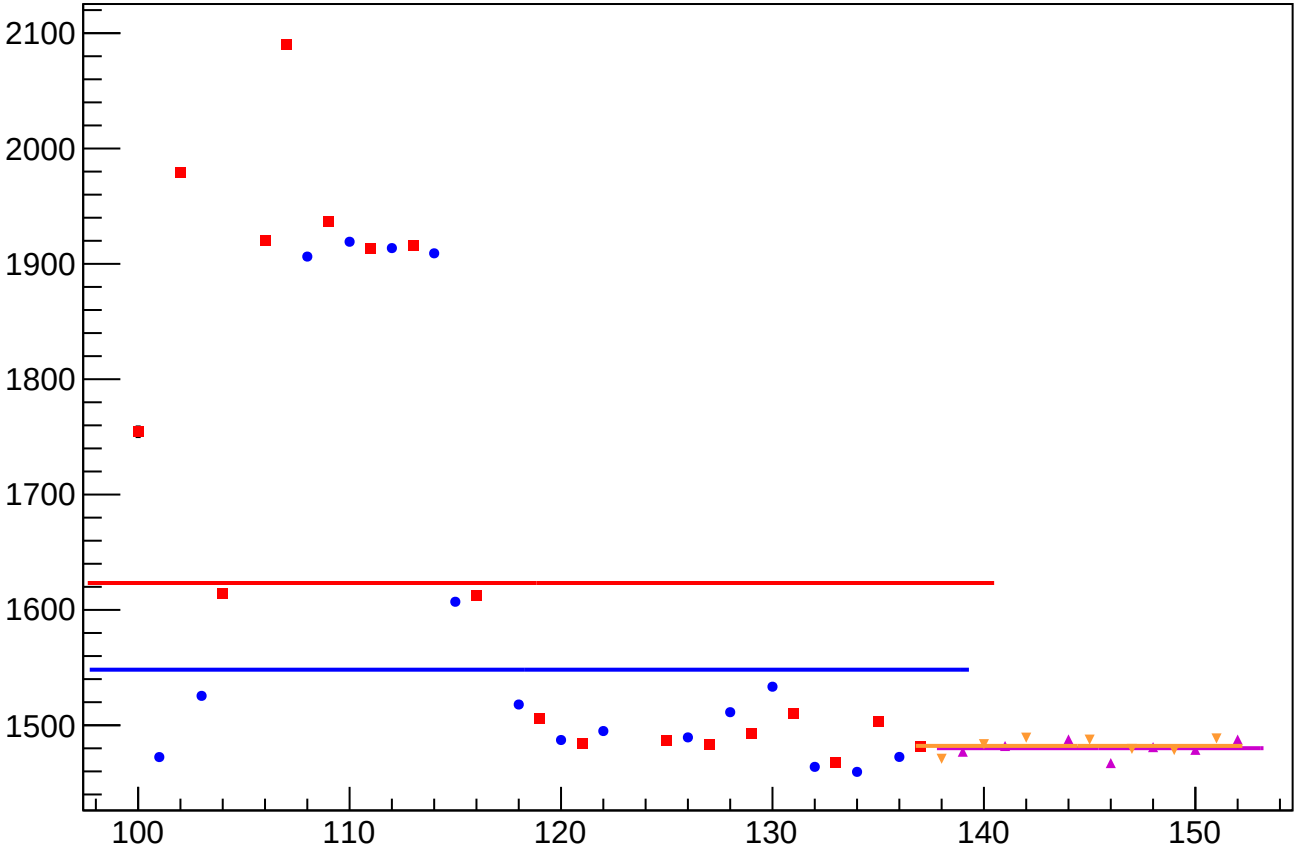
Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1925.928+/-415.252 χ^2/NDF:24.9/22

Out: 1519.437+/-439.255 χ^2/NDF:20.2/24

All: 1734.092+/-301.757 χ^2/NDF: 45.6/47

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: 1480.119+/-0.422 χ^2/NDF:243.1/6

Left: 1481.051+/-0.309 χ^2/NDF: 434.2/13

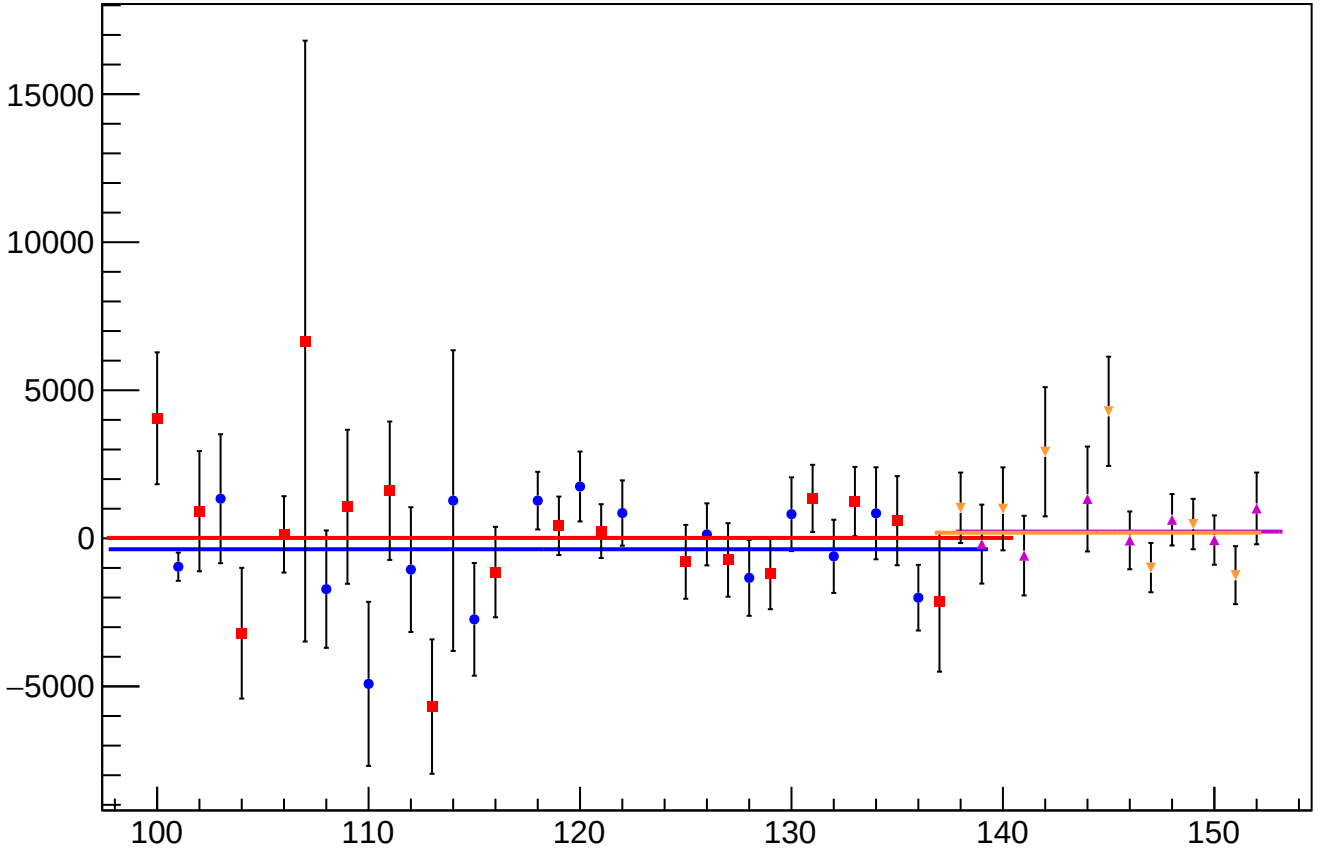
Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1515.290+/-0.294 χ^2/NDF:133562.7/22

Out: 1556.595+/-0.311 χ^2/NDF:263236.1/24

All: 1534.783+/-0.213 χ^2/NDF: 406137.6/47

asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected



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: 228.243+/-410.583 χ^2/NDF:1.7/6

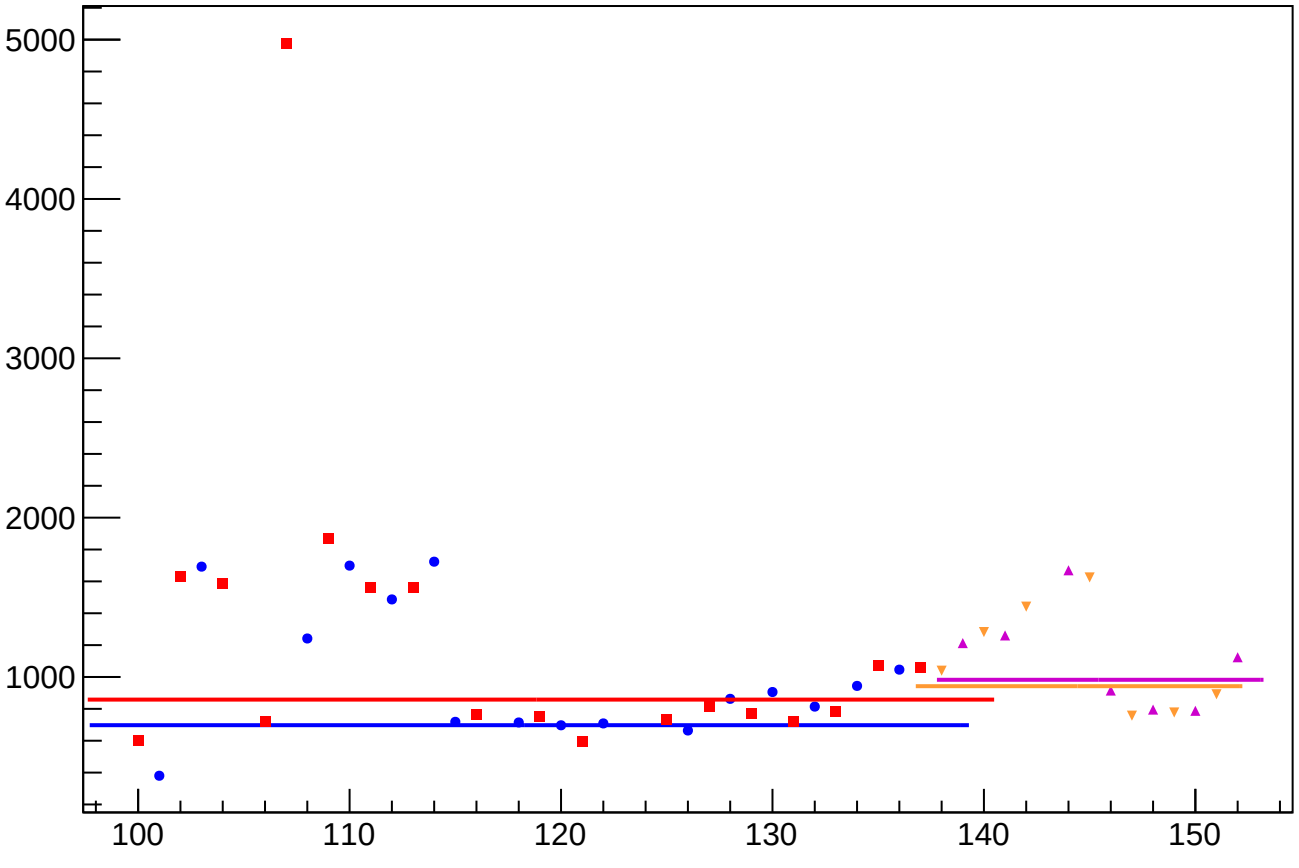
Left: 209.269+/-294.685 χ^2/NDF: 13.3/13

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -173.158+/-234.996 χ^2/NDF:22.0/22

Out: 82.911+/-265.796 χ^2/NDF:30.8/24

All: -60.813+/-176.054 χ^2/NDF: 53.3/47



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: 982.423+/-0.290 χ^2/NDF:685098.5/6

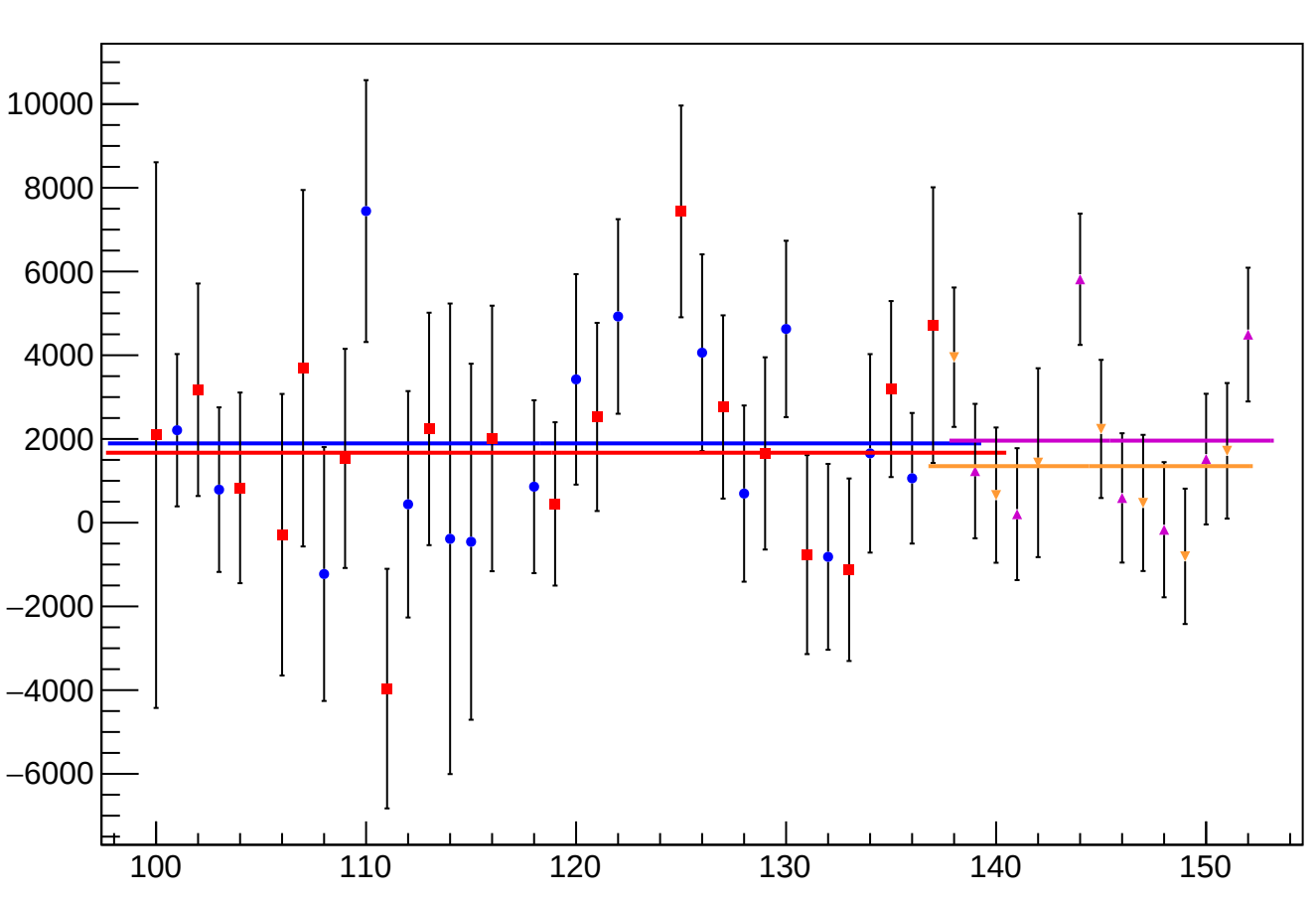
Left: 962.946+/-0.208 χ^2/NDF: 1383179.1/13

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 790.847+/-0.166 χ^2/NDF:3768249.0/22

Out: 891.293+/-0.188 χ^2/NDF:2618855.0/24

All: 834.915+/-0.124 χ^2/NDF: 6547417.5/47



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: 1959.895+/-597.379 χ^2/NDF:12.6/6

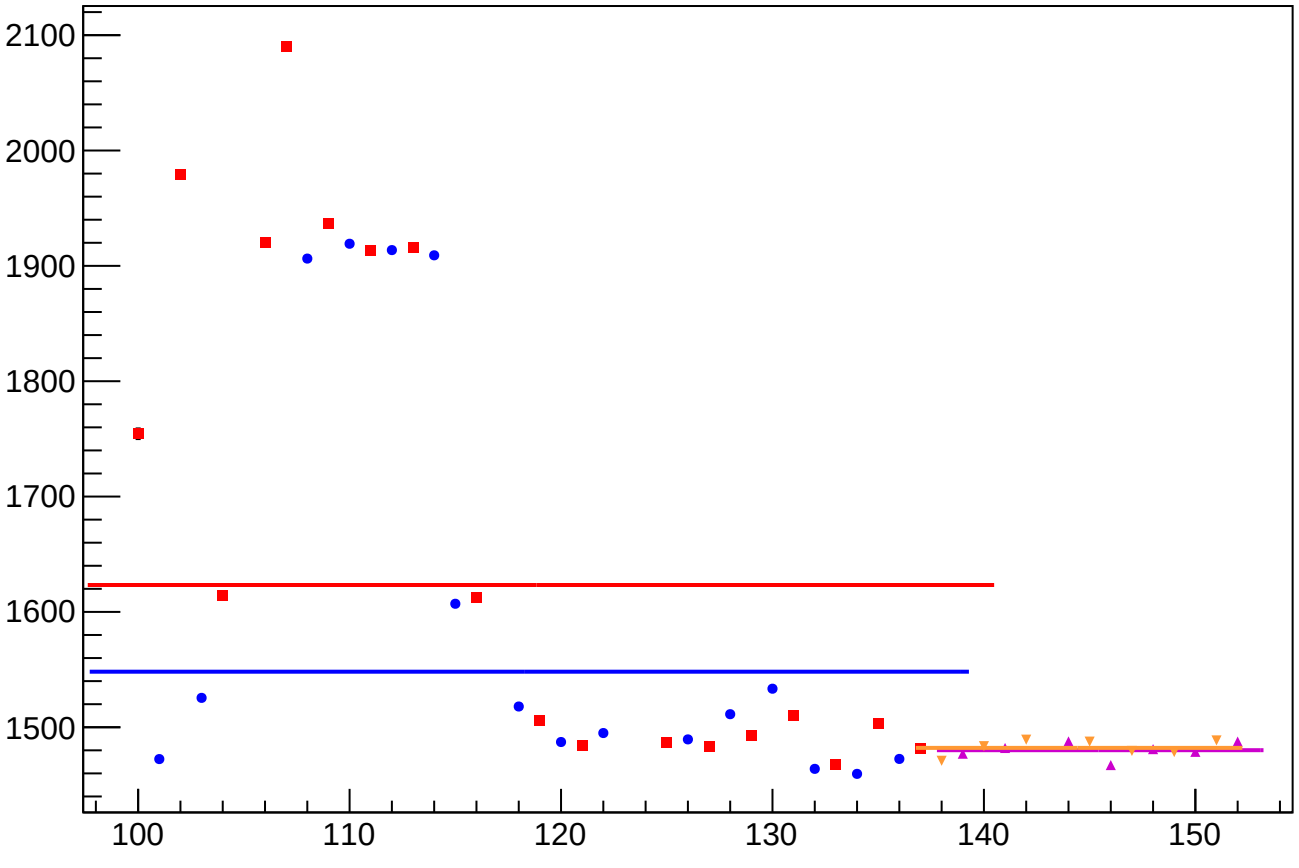
Left: 1675.609+/-436.373 χ^2/NDF: 18.1/13

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1925.928+/-415.252 χ^2/NDF:24.9/22

Out: 1519.436+/-439.255 χ^2/NDF:20.2/24

All: 1734.091+/-301.757 χ^2/NDF: 45.6/47



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: 1480.119+/-0.422 χ^2/NDF:243.1/6

Left: 1481.051+/-0.309 χ^2/NDF: 434.2/13

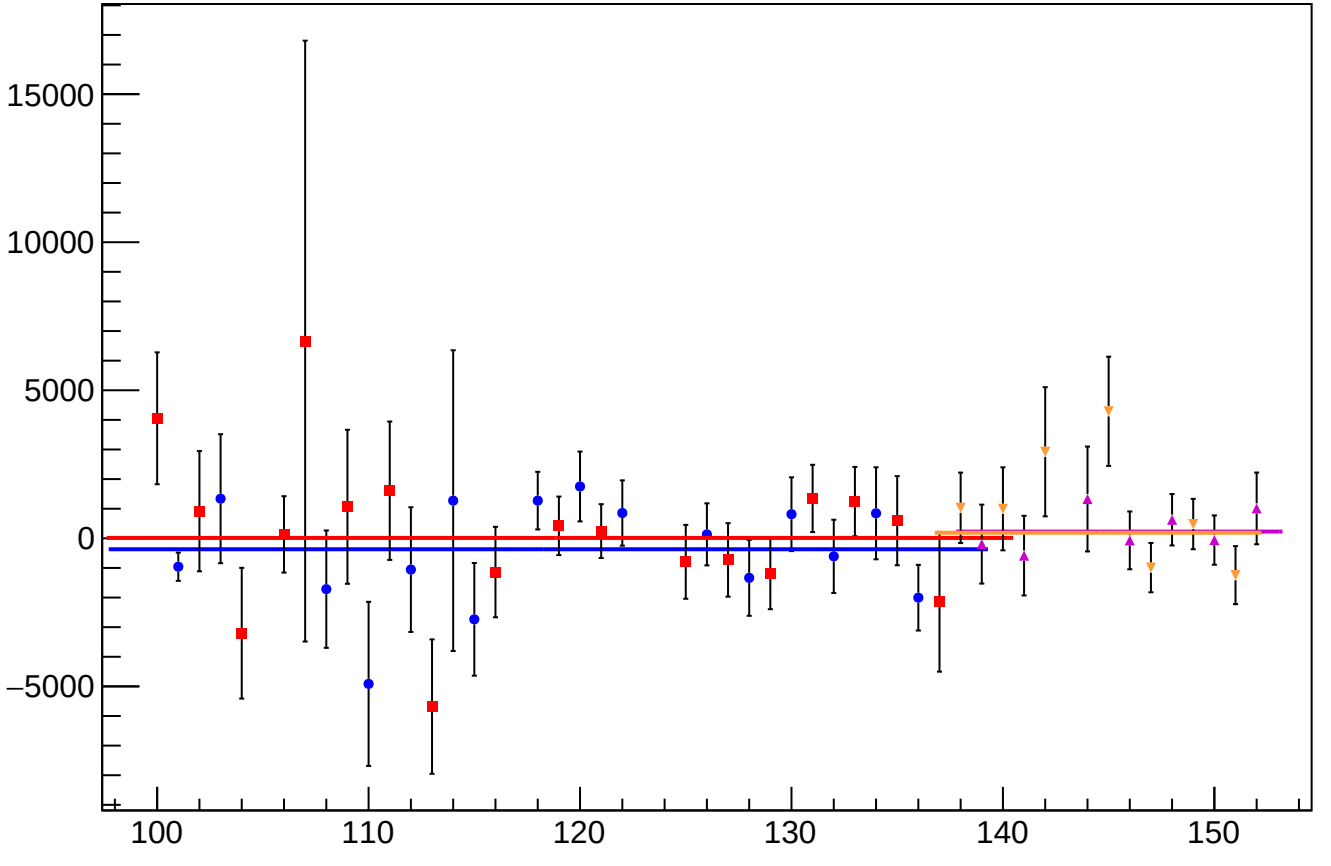
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1515.290+/-0.294 χ^2/NDF:133562.7/22

Out: 1556.595+/-0.311 χ^2/NDF:263235.7/24

All: 1534.783+/-0.213 χ^2/NDF: 406137.2/47

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 189.109+/-423.199 χ^2/NDF:11.6/6

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 228.244+/-410.583 χ^2/NDF:1.7/6

Left: 209.268+/-294.685 χ^2/NDF: 13.3/13

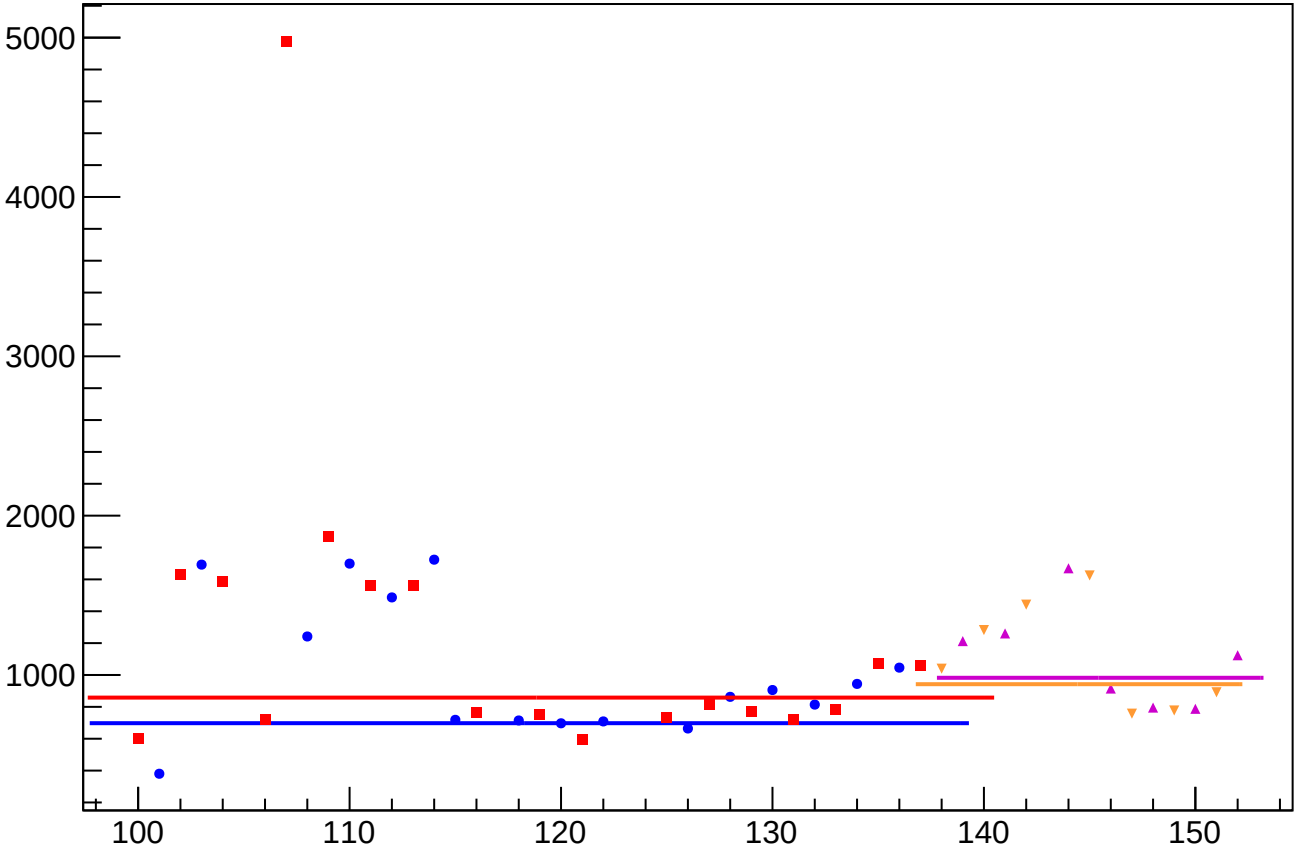
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -173.157+/-234.996 χ^2/NDF:22.0/22

Out: 82.911+/-265.796 χ^2/NDF:30.8/24

All: -60.813+/-176.054 χ^2/NDF: 53.3/47

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: 982.425+/-0.290 χ^2/NDF:685096.0/6

Left: 962.947+/-0.208 χ^2/NDF: 1383175.8/13

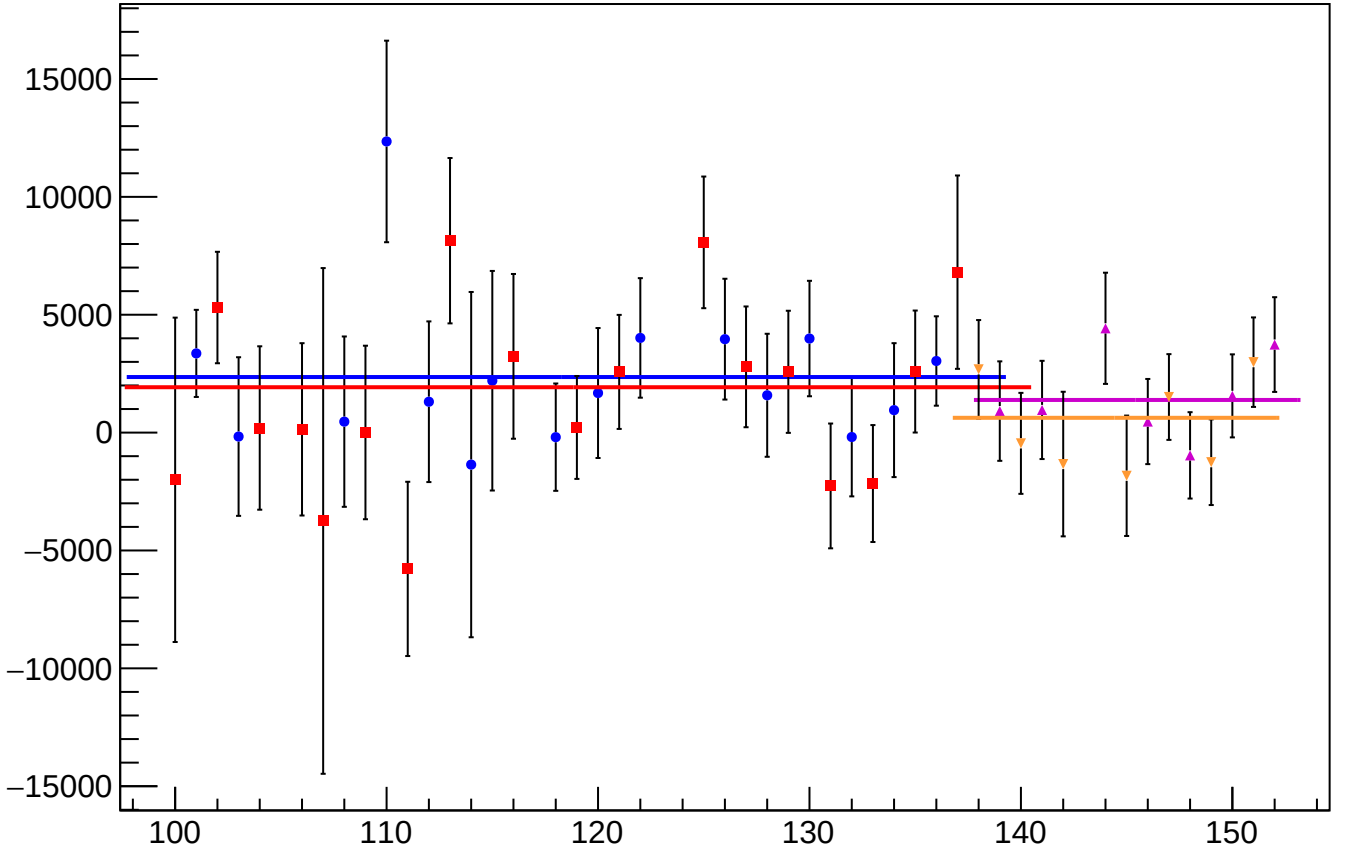
Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 790.847+/-0.166 χ^2/NDF:3768245.3/22

Out: 891.292+/-0.188 χ^2/NDF:2618867.4/24

All: 834.915+/-0.124 χ^2/NDF: 6547423.5/47

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: 1384.721+/-743.457 χ^2/NDF:5.0/6

Left: 1030.615+/-542.444 χ^2/NDF: 10.9/13

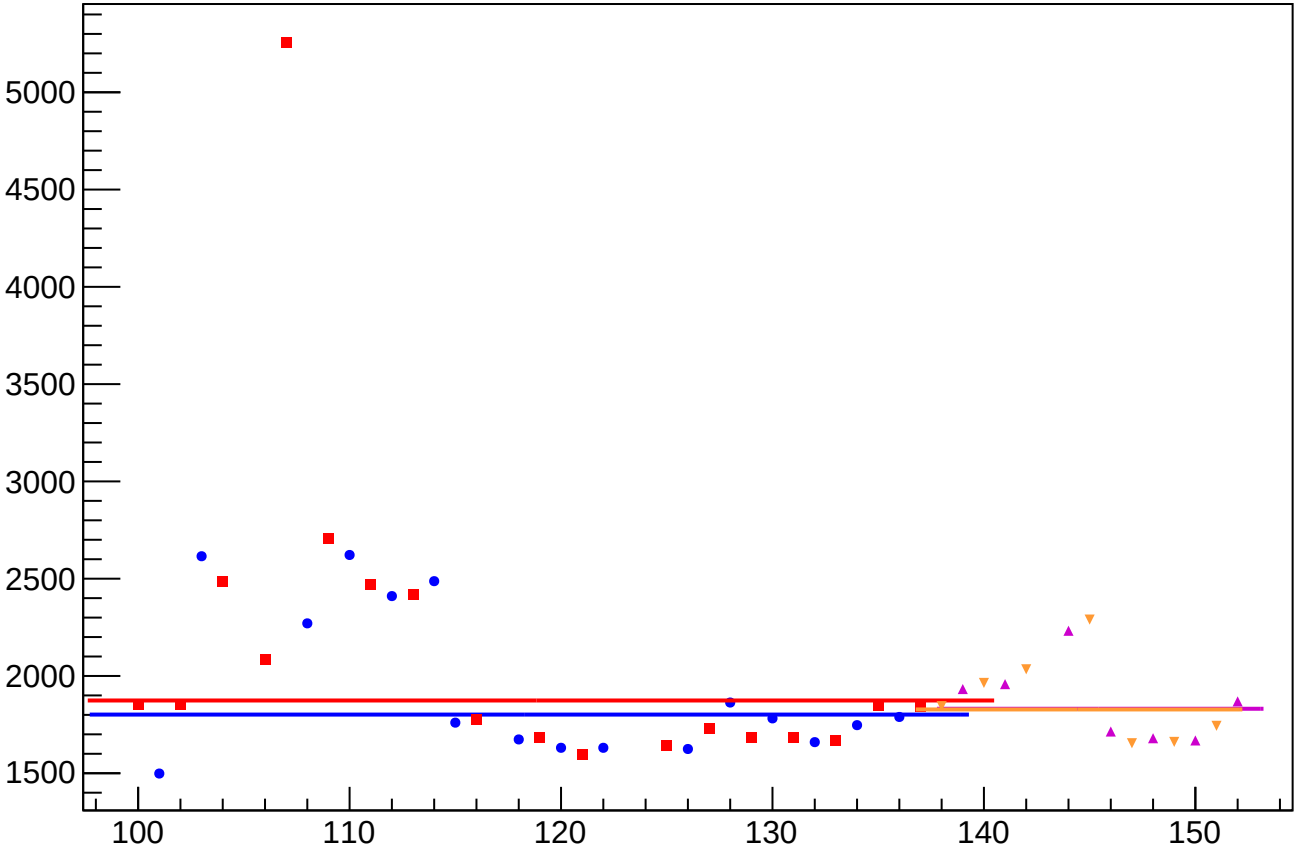
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1914.867+/-501.345 χ^2/NDF:17.0/22

Out: 1350.657+/-527.706 χ^2/NDF:30.3/24

All: 1647.206+/-363.466 χ^2/NDF: 47.9/47

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: 1831.416+/-0.526 χ^2/NDF:109653.4/6

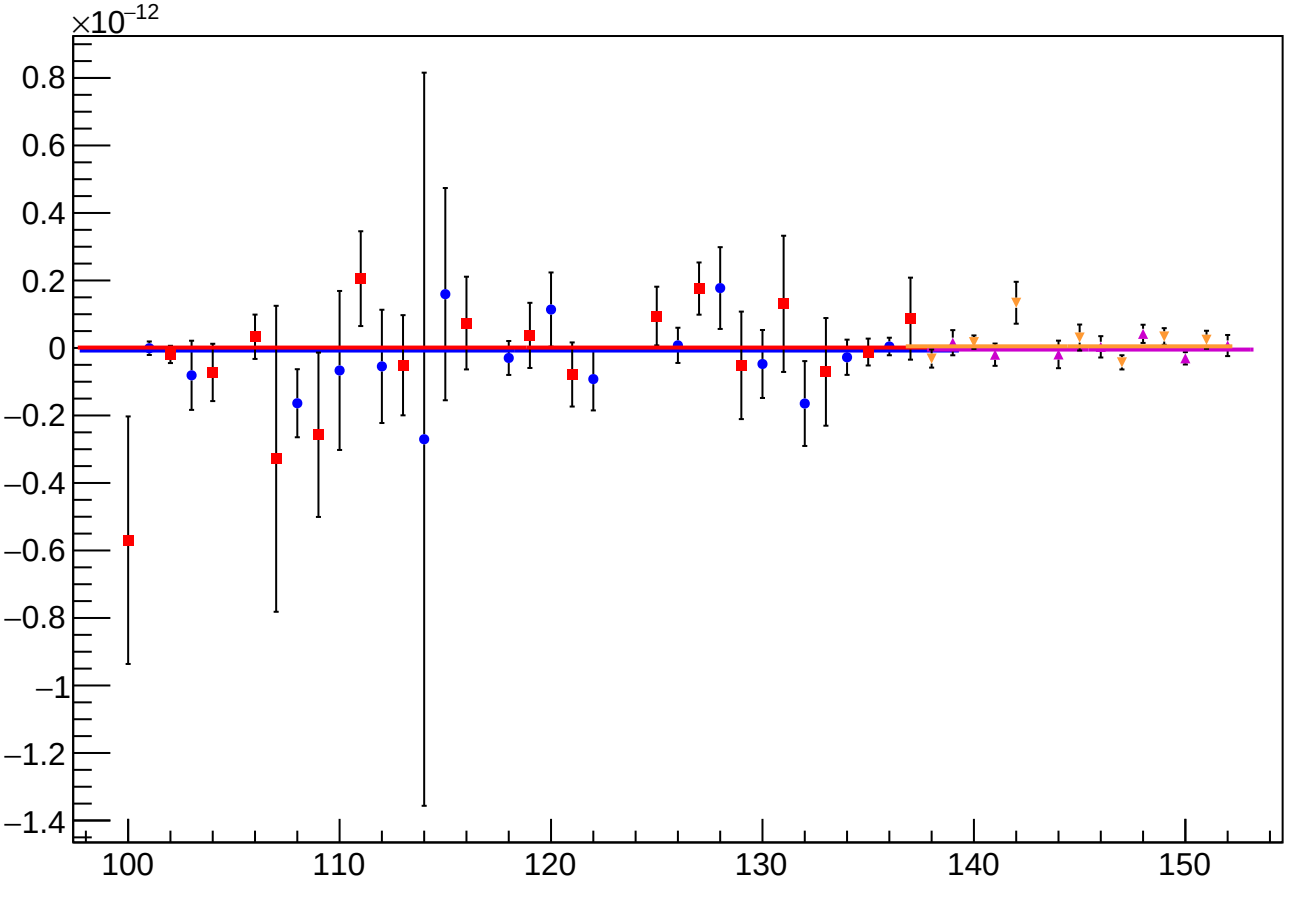
Left: 1829.765+/-0.384 χ^2/NDF: 231425.7/13

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1815.120+/-0.355 χ^2/NDF:512118.3/22

Out: 1853.577+/-0.373 χ^2/NDF:695424.3/24

All: 1833.364+/-0.257 χ^2/NDF: 1213125.5/47



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:5.8/6

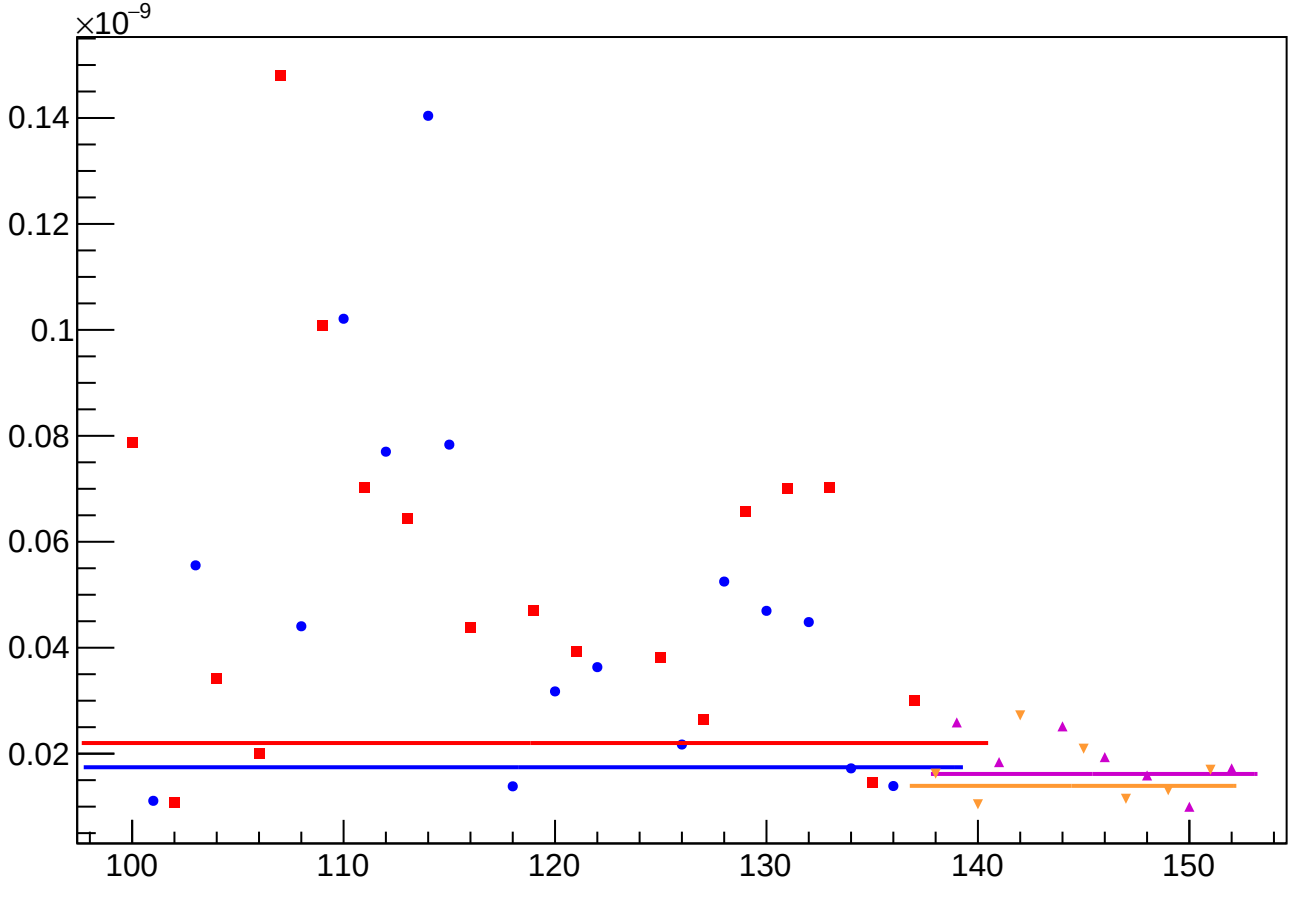
Left: 0.000+/-0.000 χ^2/NDF: 20.3/13

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:16.1/22

Out: 0.000+/-0.000 χ^2/NDF:30.7/24

All: -0.000+/-0.000 χ^2/NDF: 47.5/47



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:491798.1/6

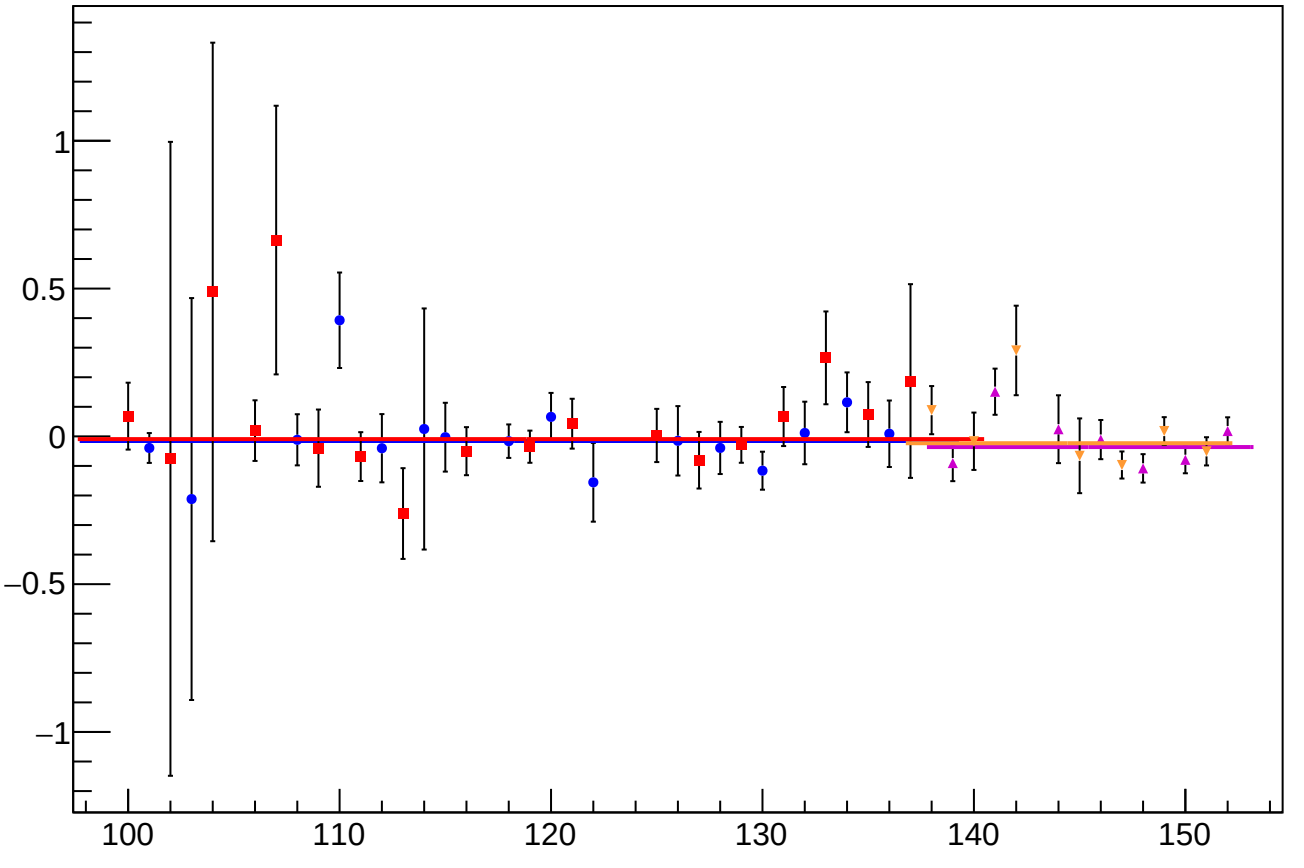
Left: 0.000+/-0.000 χ^2/NDF: 828132.7/13

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:2342943.6/22

Out: 0.000+/-0.000 χ^2/NDF:2720824.9/24

All: 0.000+/-0.000 χ^2/NDF: 5071241.1/47



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: -0.036+/-0.022 χ^2/NDF:11.5/6

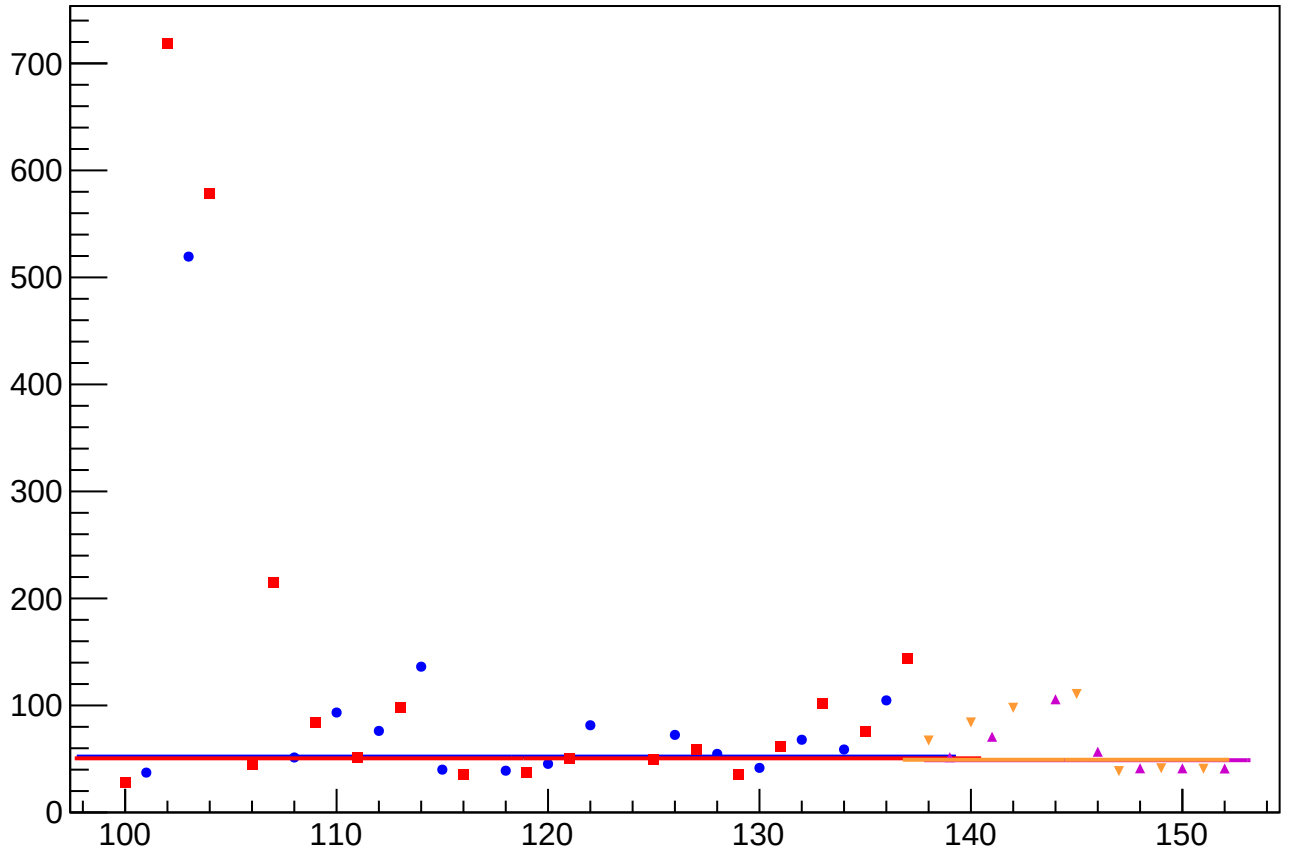
Left: -0.030+/-0.016 χ^2/NDF: 21.6/13

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.026+/-0.016 χ^2/NDF:25.1/22

Out: -0.016+/-0.017 χ^2/NDF:22.6/24

All: -0.022+/-0.011 χ^2/NDF: 47.9/47



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: 48.823+/-0.015 χ^2/NDF:842616.8/6

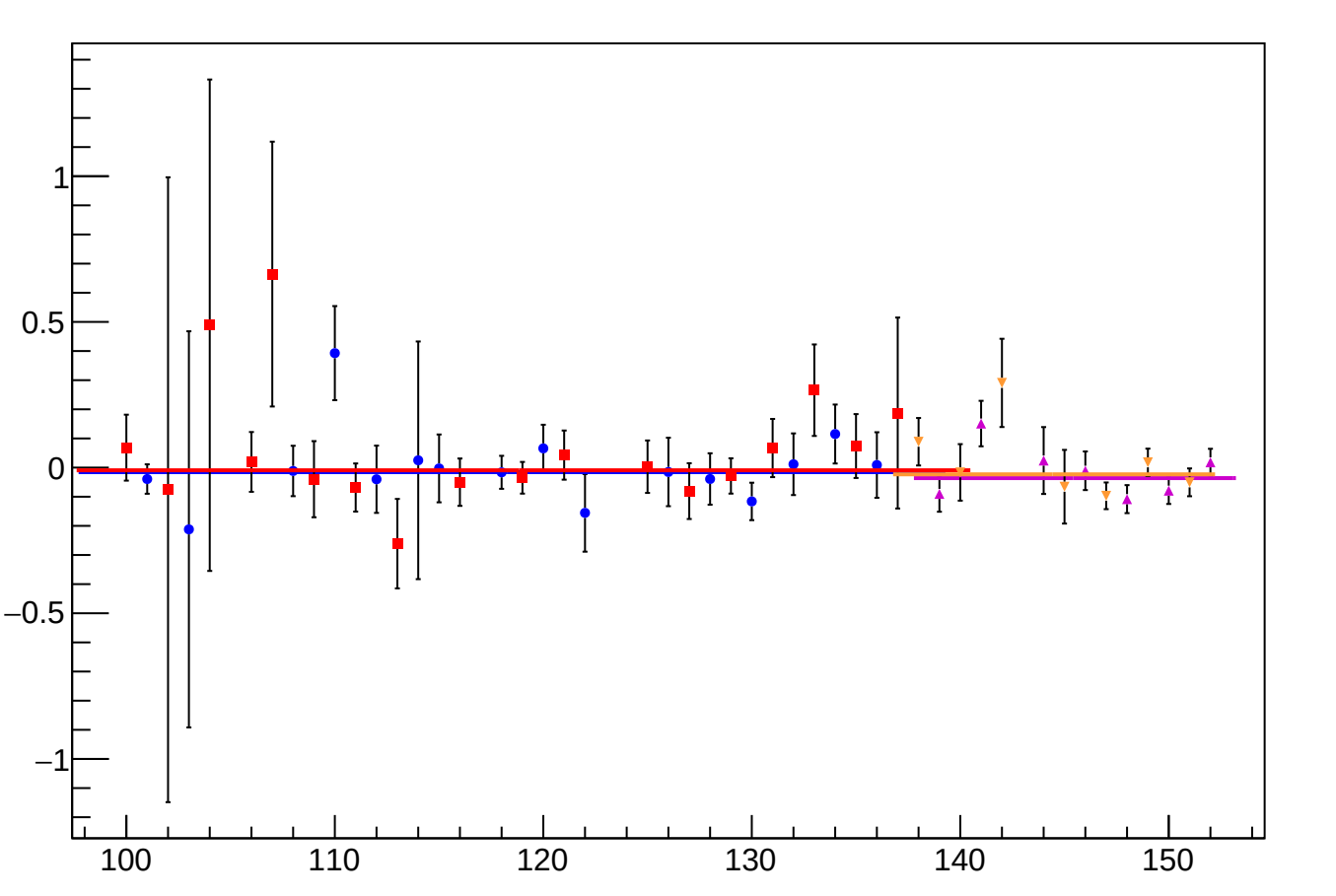
Left: 49.017+/-0.011 χ^2/NDF: 2103049.1/13

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.440+/-0.011 χ^2/NDF:3132539.7/22

Out: 49.930+/-0.012 χ^2/NDF:4314565.1/24

All: 50.203+/-0.008 χ^2/NDF: 7448086.9/47



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: -0.036+/-0.022 χ^2/NDF:11.5/6

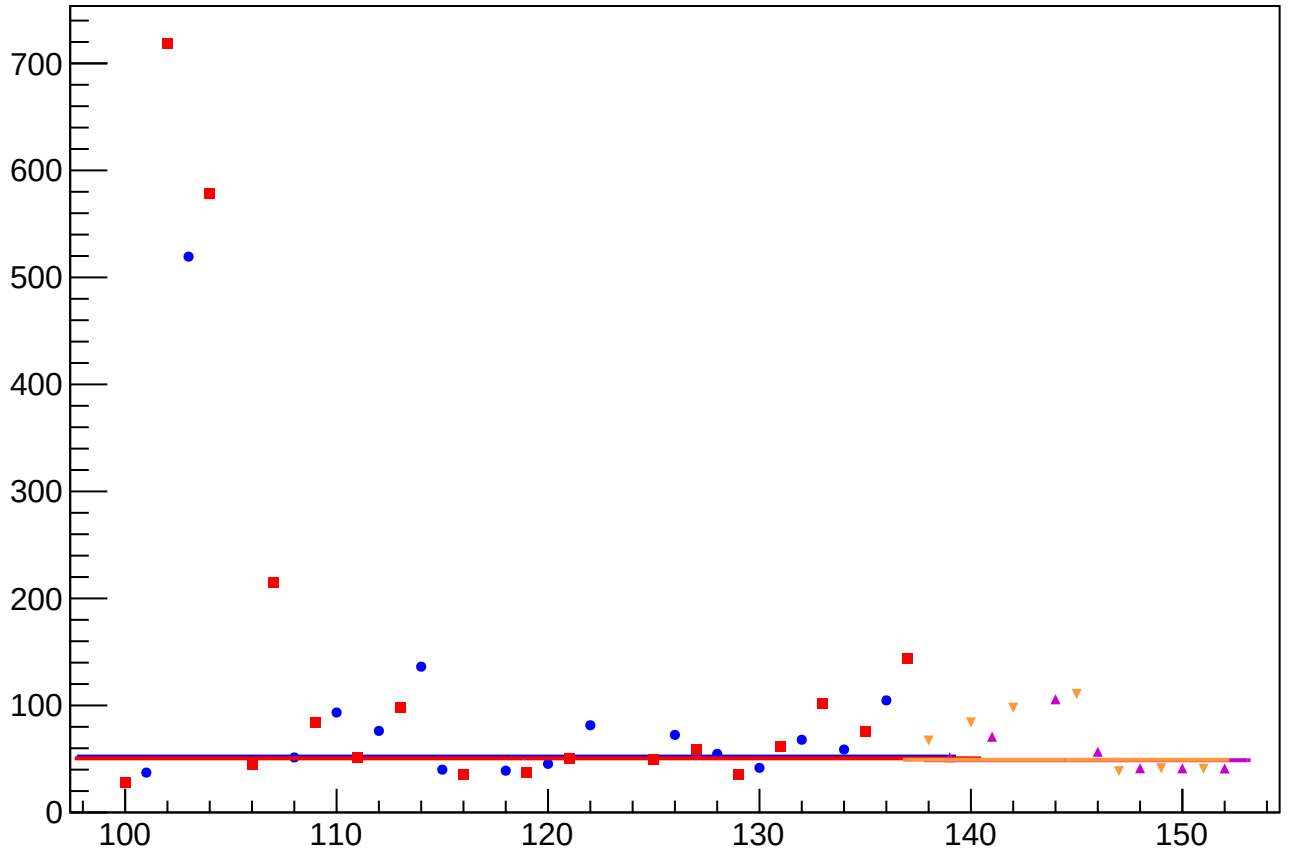
Left: -0.030+/-0.016 χ^2/NDF: 21.6/13

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.026+/-0.016 χ^2/NDF:25.1/22

Out: -0.016+/-0.017 χ^2/NDF:22.6/24

All: -0.022+/-0.011 χ^2/NDF: 47.9/47



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: 48.823+/-0.015 χ^2/NDF:842616.8/6

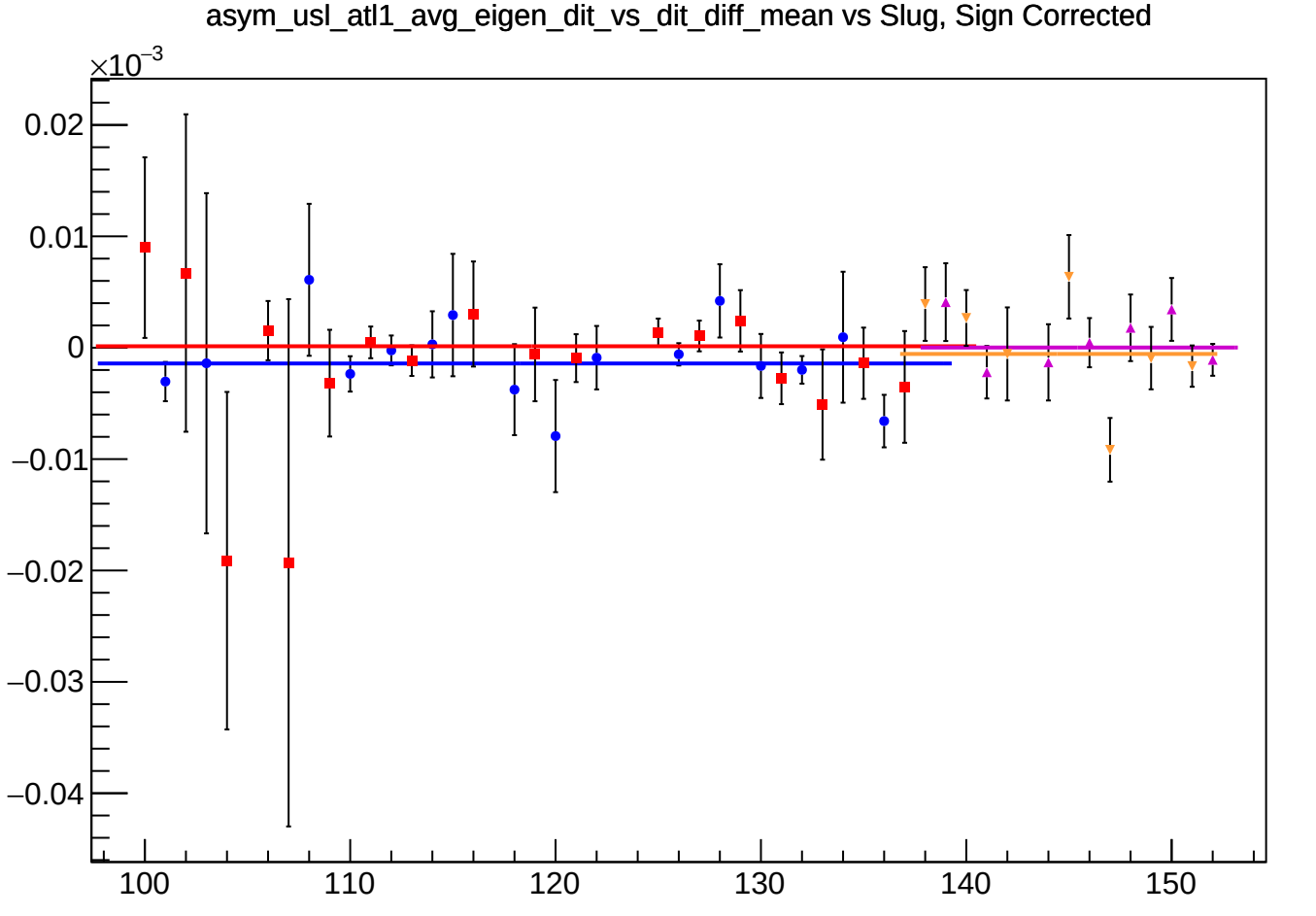
Left: 49.017+/-0.011 χ^2/NDF: 2103049.1/13

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

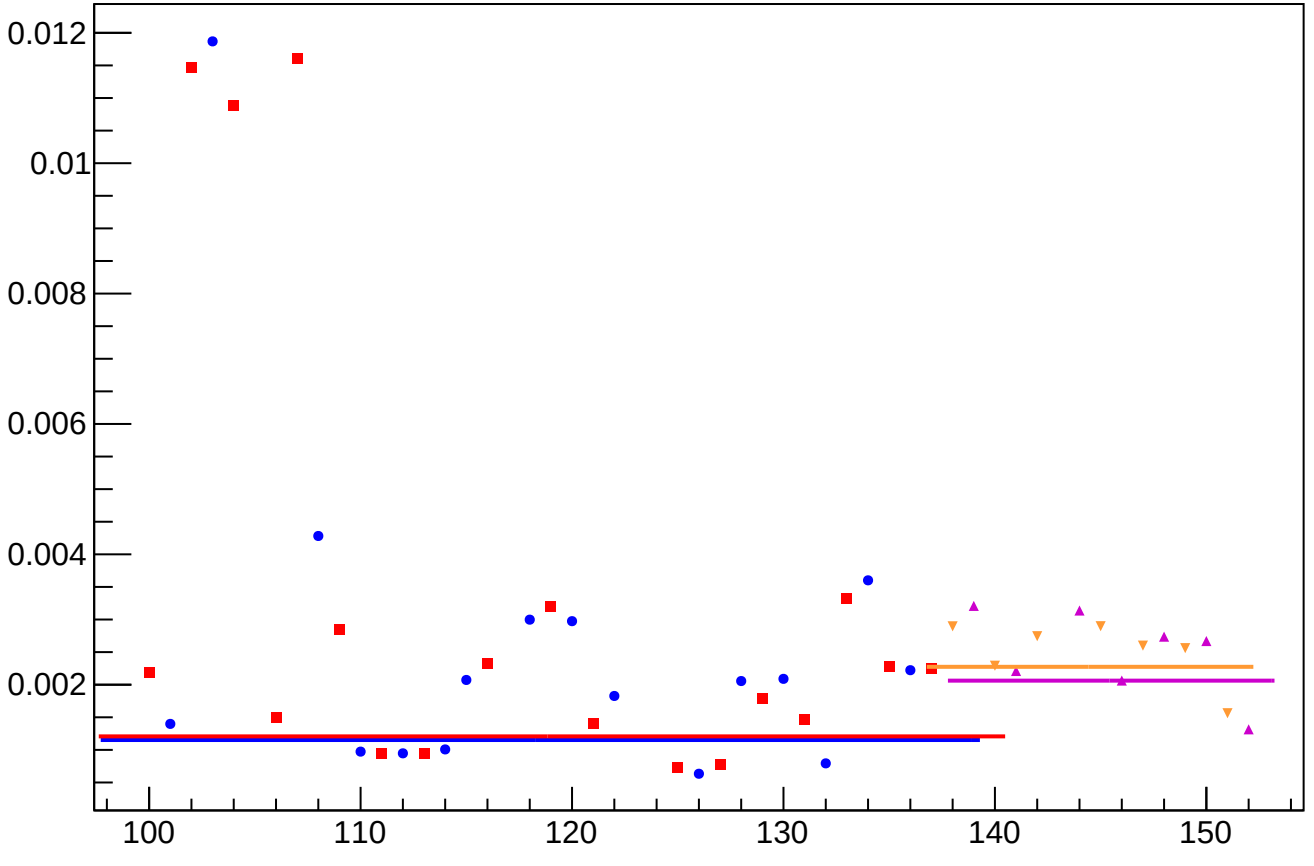
In: 50.440+/-0.011 χ^2/NDF:3132539.7/22

Out: 49.930+/-0.012 χ^2/NDF:4314565.1/24

All: 50.203+/-0.008 χ^2/NDF: 7448086.9/47


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:4.9/6
Left: -0.000+/-0.000 χ²/NDF: 21.4/13
Right: -0.000+/-0.000 χ²/NDF: 30.7/33
In: -0.000+/-0.000 χ²/NDF:21.8/22
Out: -0.000+/-0.000 χ²/NDF:28.3/24
All: -0.000+/-0.000 χ²/NDF: 52.4/47

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: 0.002+/-0.000 χ^2/NDF:1160531.2/6

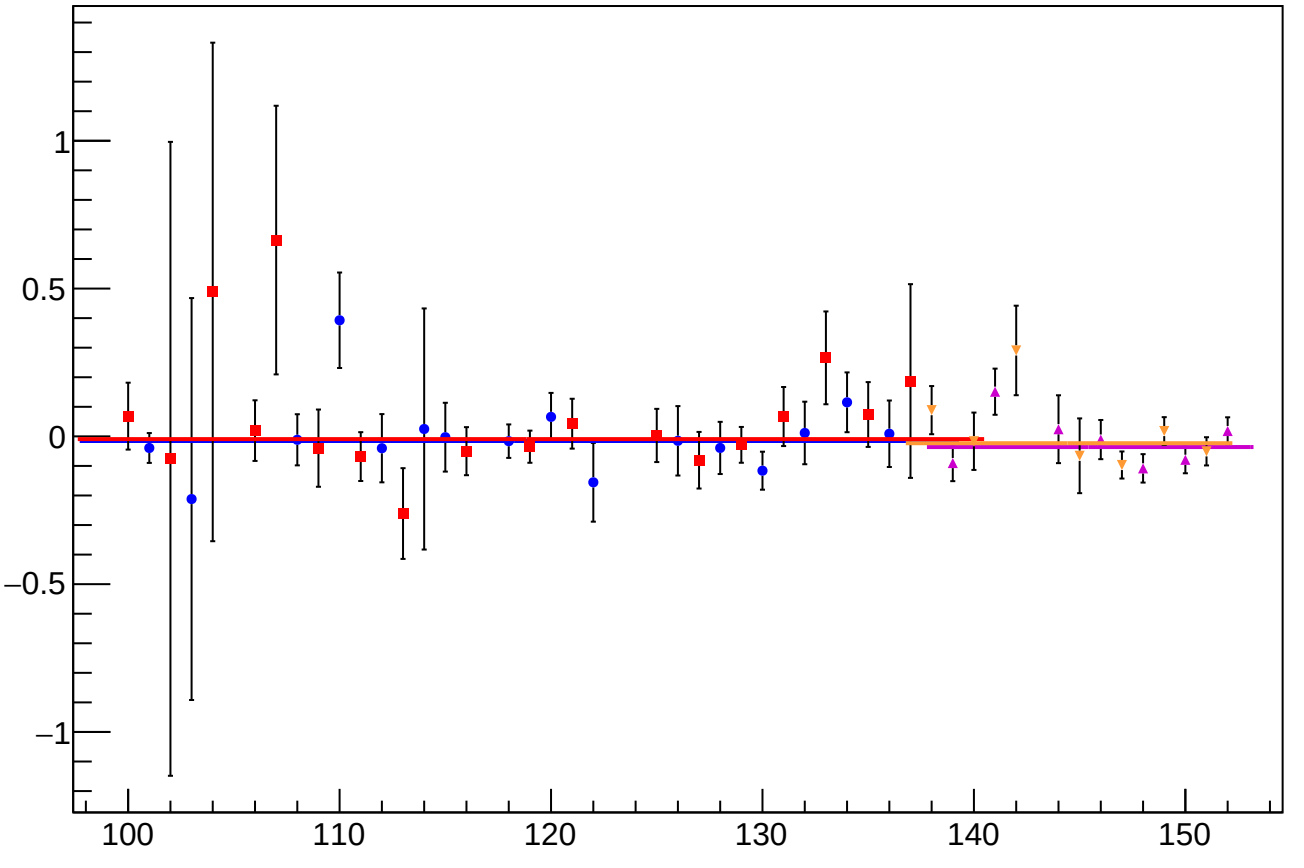
Left: 0.002+/-0.000 χ^2/NDF: 1701172.6/13

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:6929343.1/22

Out: 0.001+/-0.000 χ^2/NDF:6643866.6/24

All: 0.001+/-0.000 χ^2/NDF: 13589885.2/47



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: -0.036+/-0.022 χ^2/NDF:11.5/6

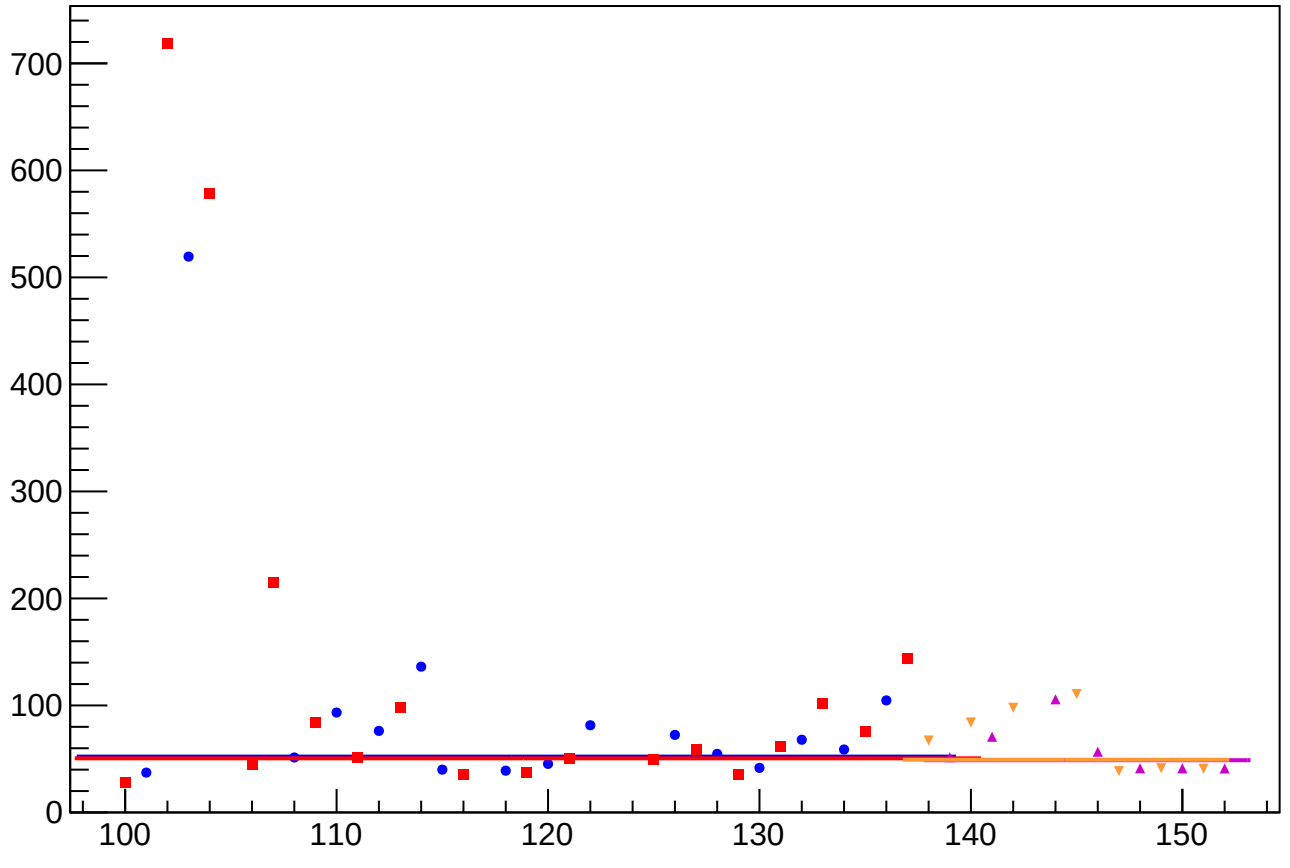
Left: -0.030+/-0.016 χ^2/NDF: 21.6/13

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.026+/-0.016 χ^2/NDF:25.1/22

Out: -0.016+/-0.017 χ^2/NDF:22.6/24

All: -0.022+/-0.011 χ^2/NDF: 47.9/47



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: 48.823+/-0.015 χ^2/NDF:842603.7/6

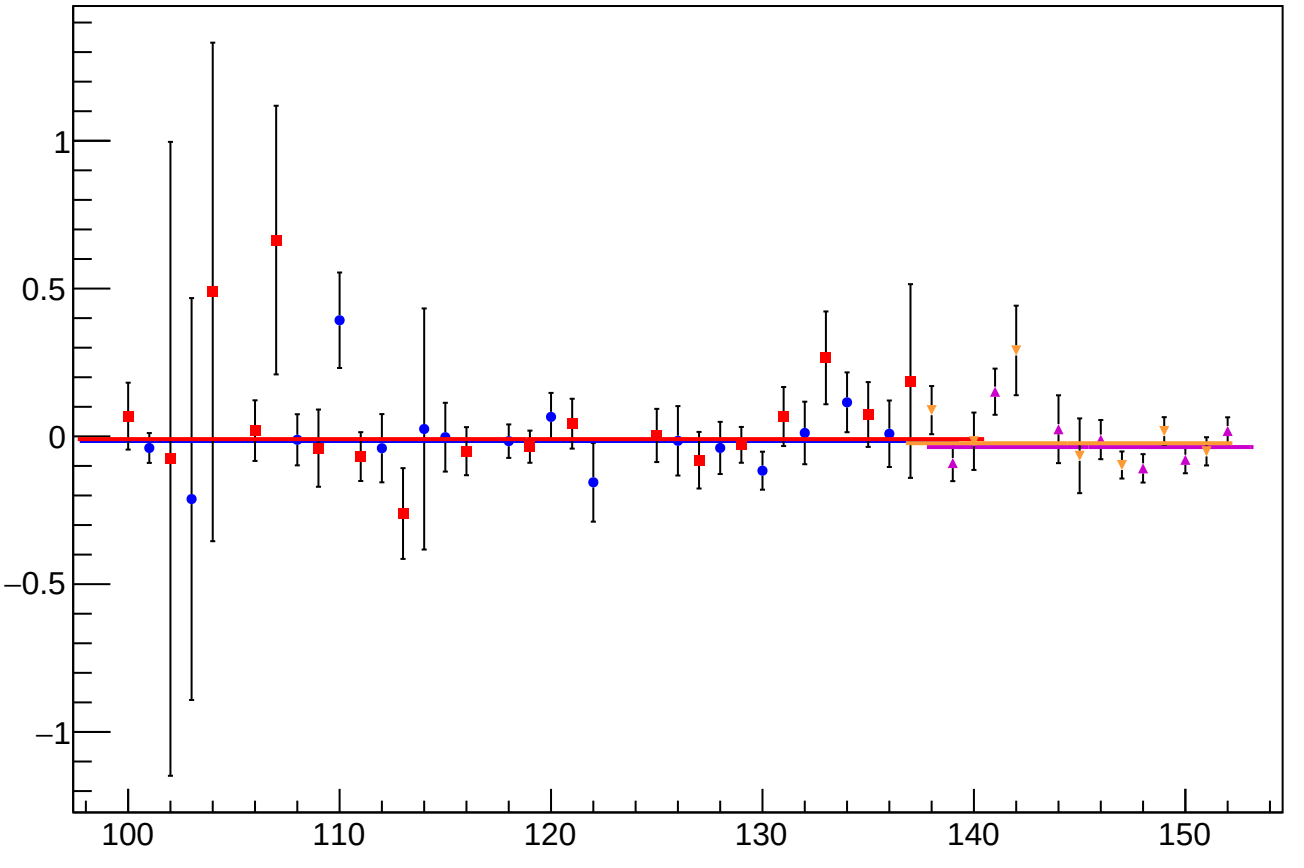
Left: 49.018+/-0.011 χ^2/NDF: 2103009.5/13

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.440+/-0.011 χ^2/NDF:3132515.5/22

Out: 49.930+/-0.012 χ^2/NDF:4314521.3/24

All: 50.203+/-0.008 χ^2/NDF: 7448019.3/47



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: -0.036+/-0.022 χ^2/NDF:11.5/6

Left: -0.030+/-0.016 χ^2/NDF: 21.6/13

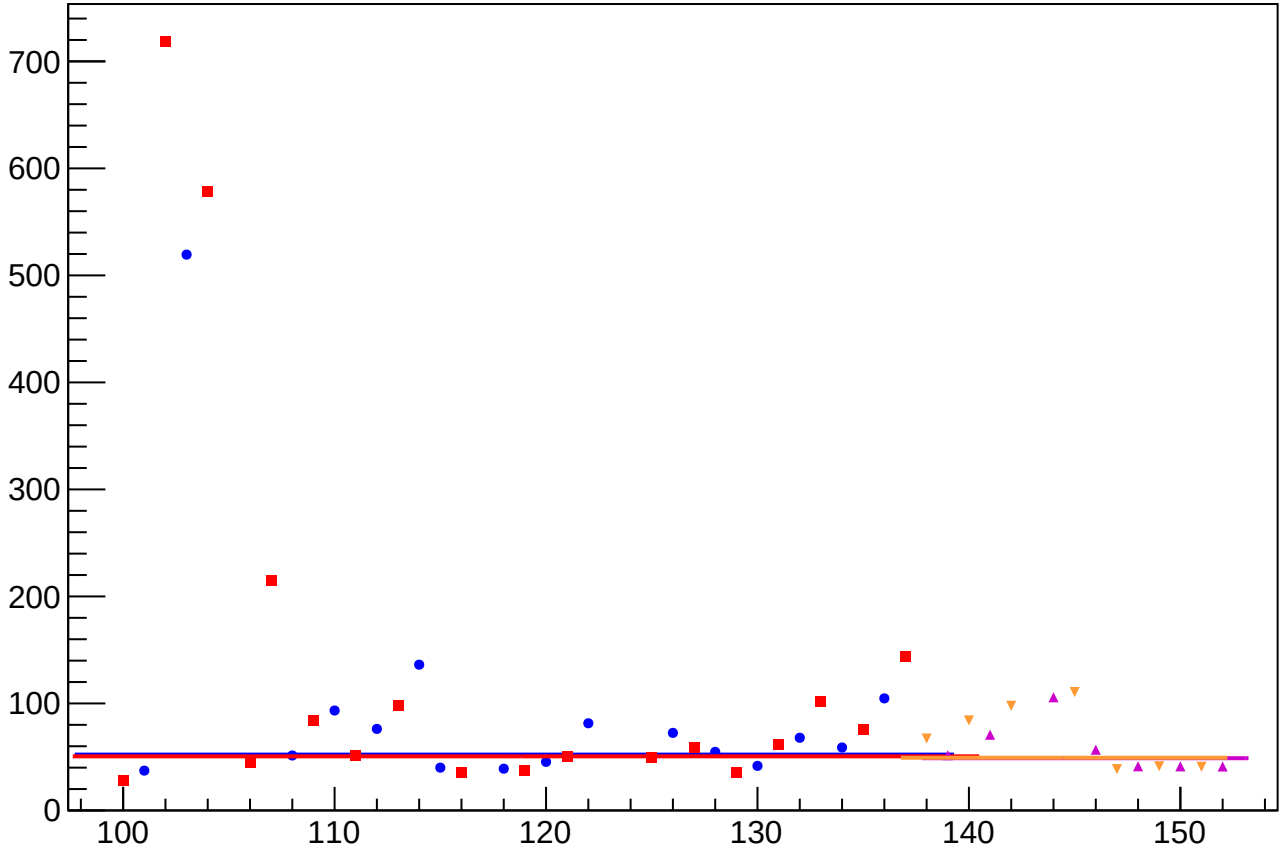
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.026+/-0.016 χ^2/NDF:25.1/22

Out: -0.016+/-0.017 χ^2/NDF:22.6/24

All: -0.022+/-0.011 χ^2/NDF: 47.9/47

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: 48.823+/-0.015 χ^2/NDF:842603.7/6

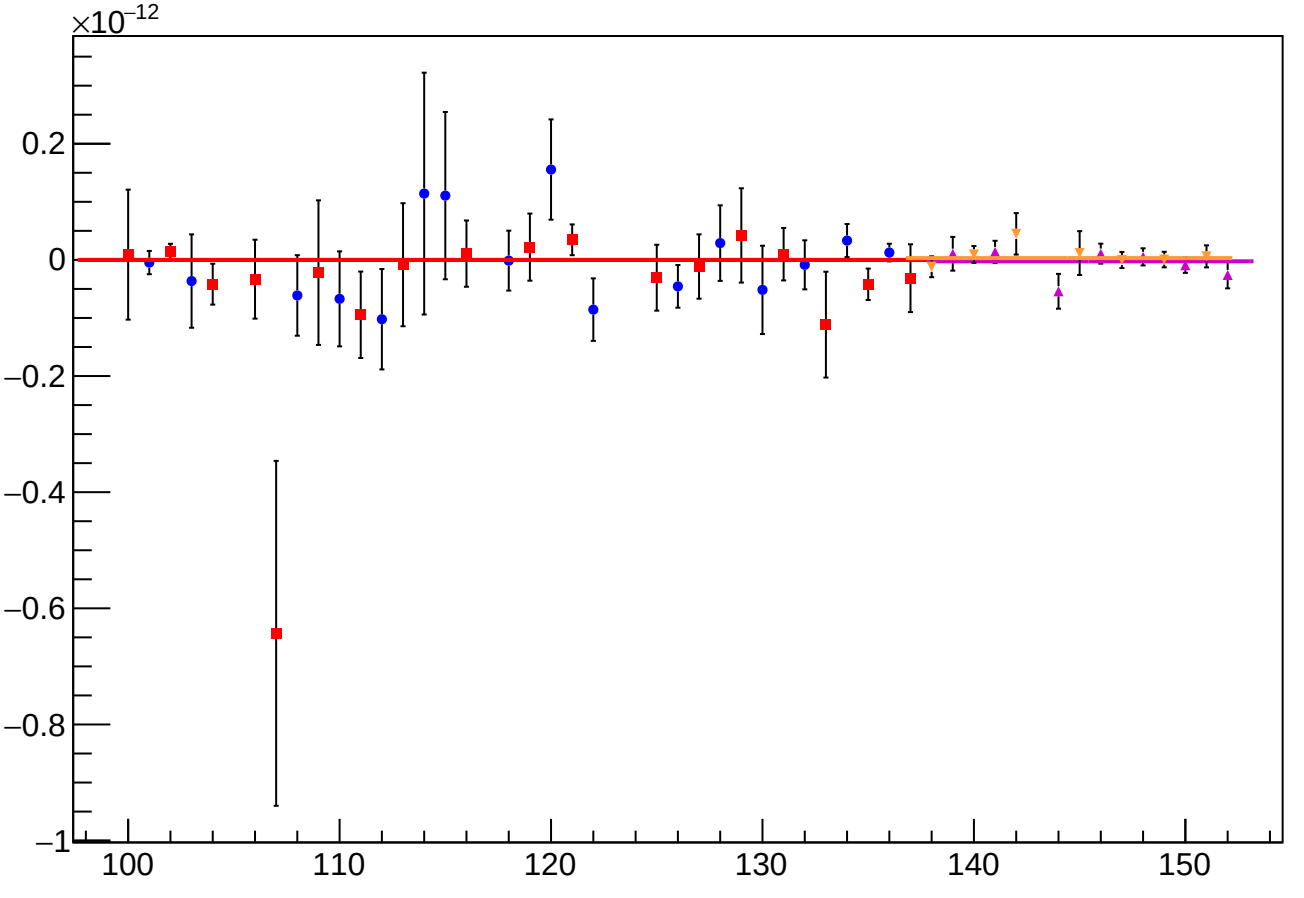
Left: 49.018+/-0.011 χ^2/NDF: 2103009.5/13

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.440+/-0.011 χ^2/NDF:3132515.5/22

Out: 49.930+/-0.012 χ^2/NDF:4314521.3/24

All: 50.203+/-0.008 χ^2/NDF: 7448019.3/47



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:6.0/6

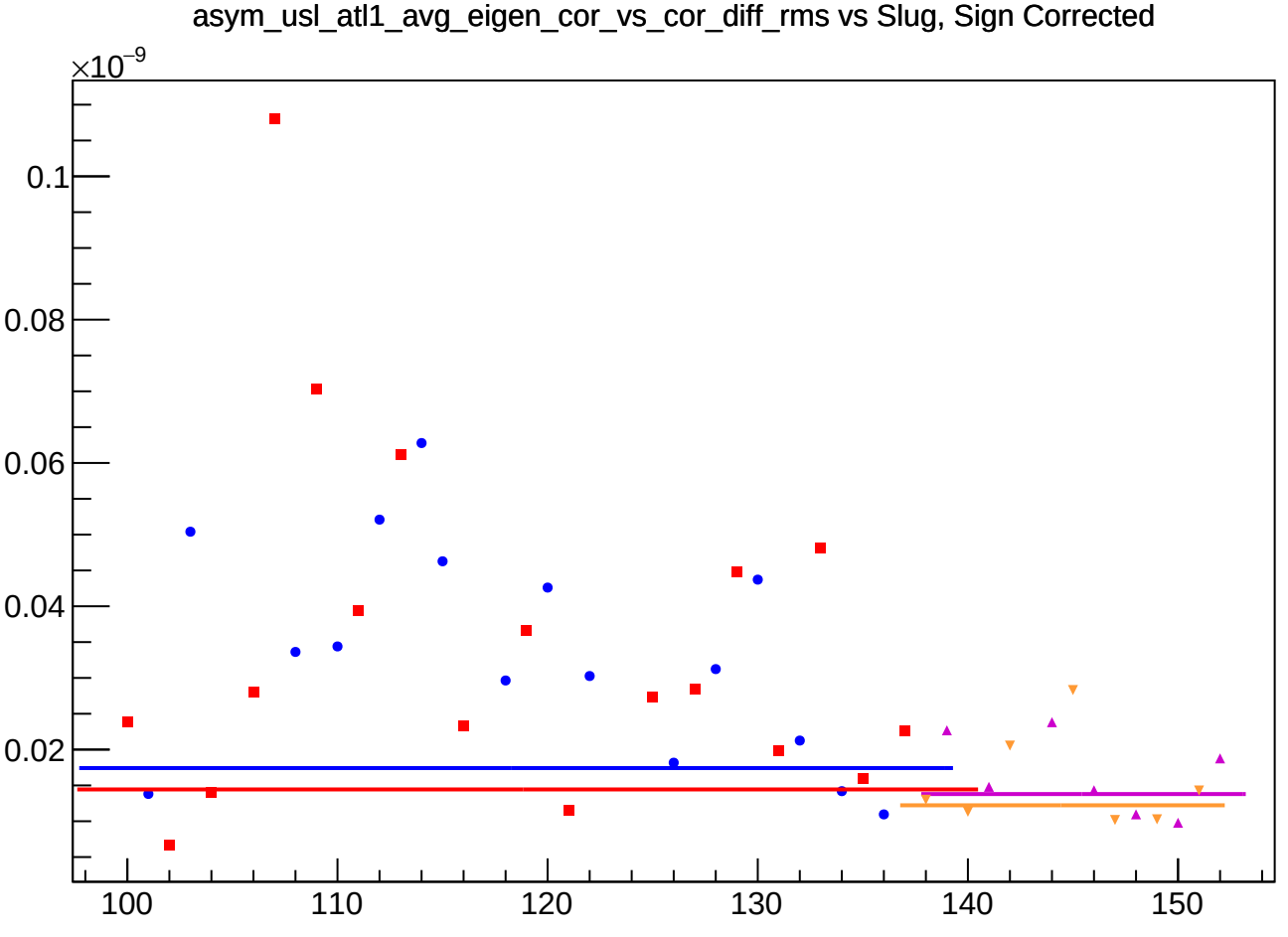
Left: 0.000+/-0.000 χ^2/NDF: 8.8/13

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

In: -0.000+/-0.000 χ^2/NDF:20.1/22

Out: 0.000+/-0.000 χ^2/NDF:18.5/24

All: 0.000+/-0.000 χ^2/NDF: 38.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:594015.3/6

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:766665.6/6

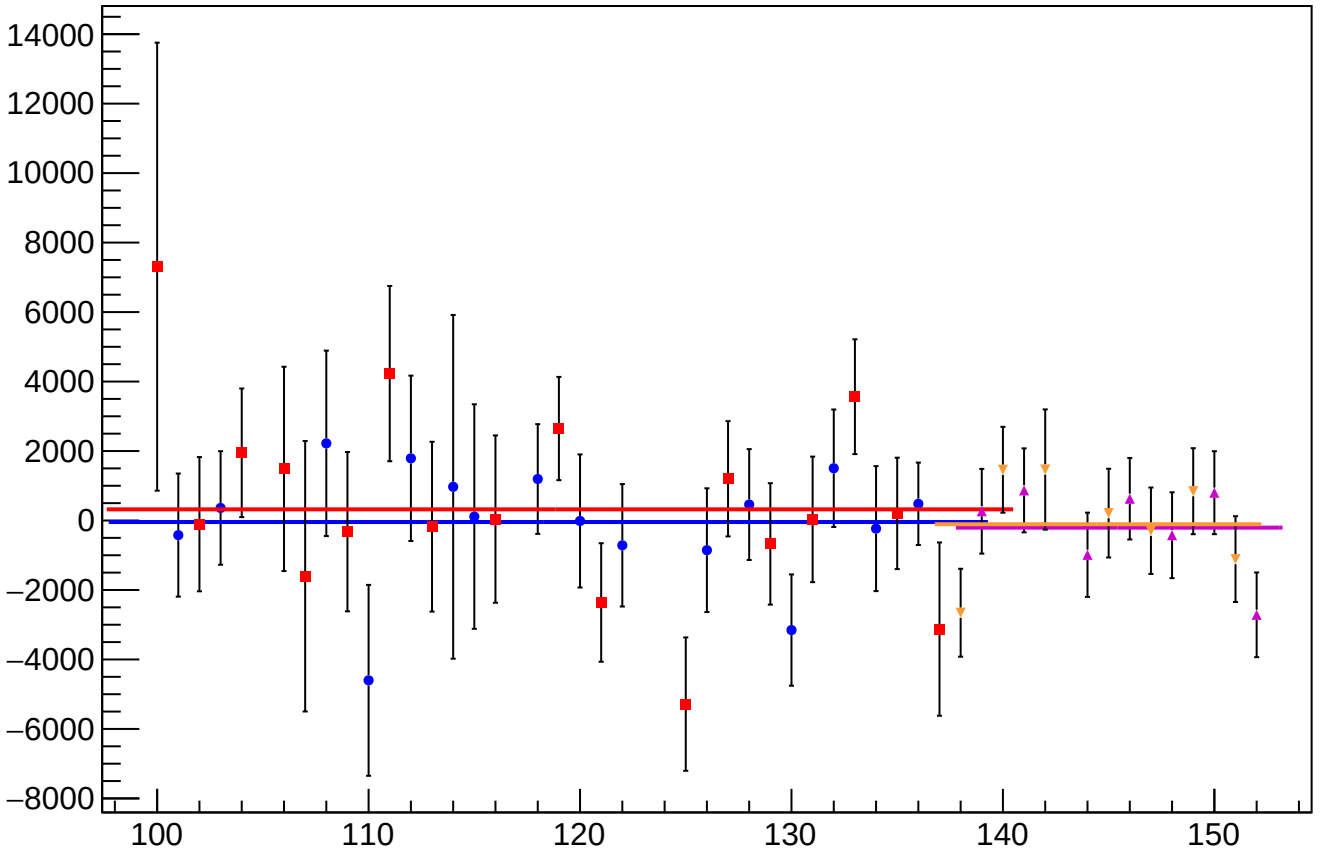
Left: 0.000+/-0.000 χ^2/NDF: 1413981.6/13

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:3183709.4/22

Out: 0.000+/-0.000 χ^2/NDF:3934361.7/24

All: 0.000+/-0.000 χ^2/NDF: 7263325.0/47



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: -205.176+/-456.784 χ^2/NDF:6.8/6

Left: -159.564+/-333.829 χ^2/NDF: 14.7/13

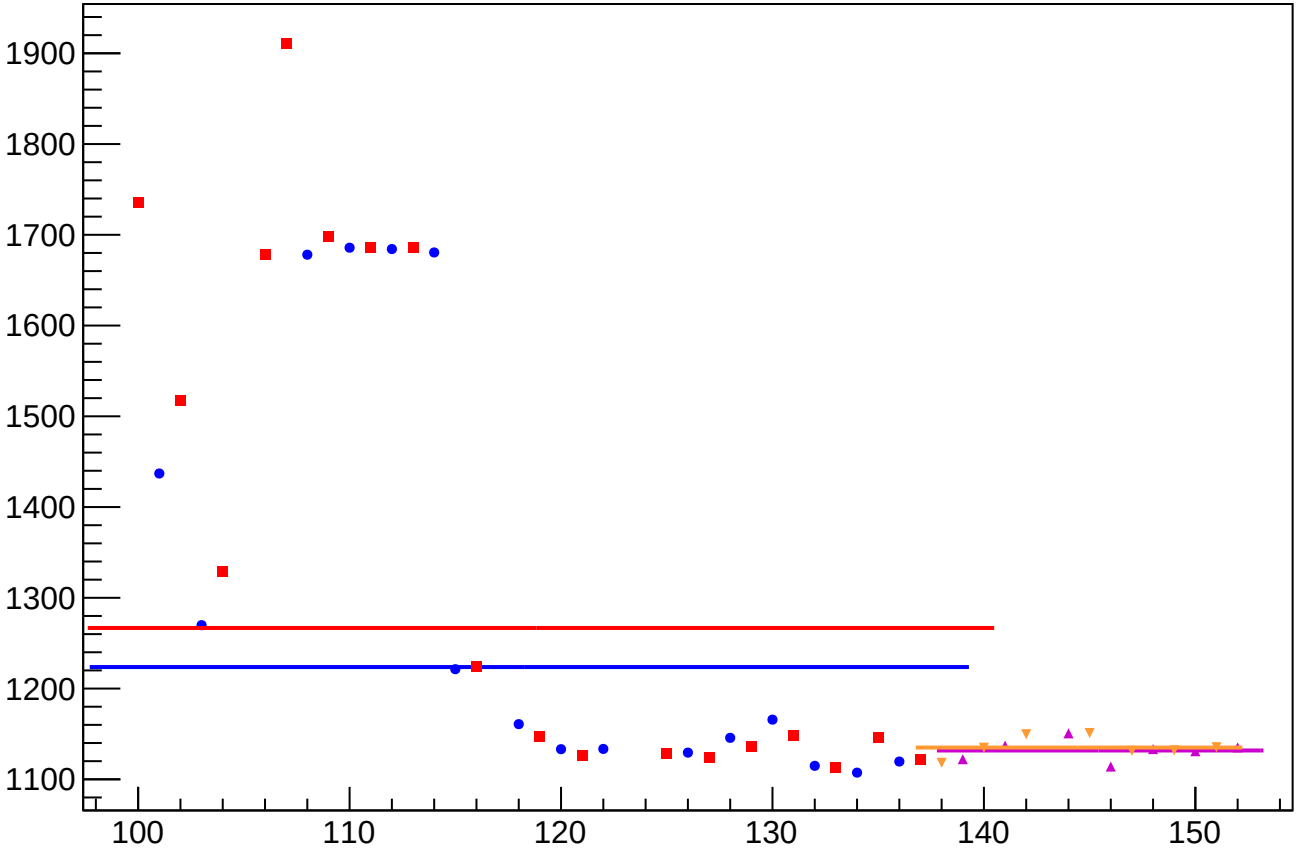
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: -124.858+/-323.853 χ^2/NDF:17.0/22

Out: 113.281+/-340.722 χ^2/NDF:33.0/24

All: -11.830+/-234.736 χ^2/NDF: 50.2/47

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: 1131.769+/-0.323 χ^2/NDF:1123.5/6

Left: 1133.273+/-0.236 χ^2/NDF: 2007.3/13

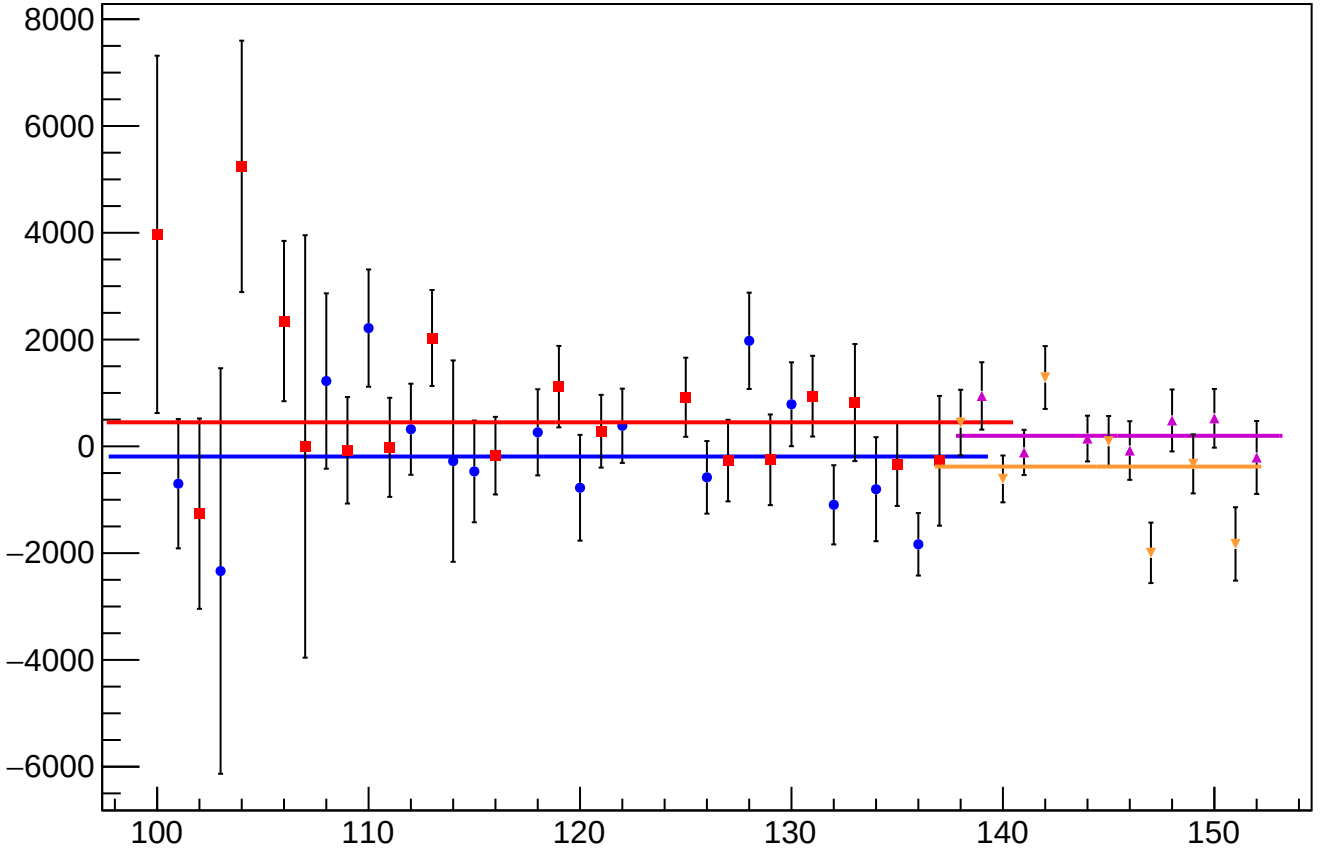
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1177.492+/-0.229 χ^2/NDF:336383.1/22

Out: 1202.822+/-0.241 χ^2/NDF:508413.9/24

All: 1189.514+/-0.166 χ^2/NDF: 850603.9/47

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: 197.727+/-198.925 χ^2/NDF:3.2/6

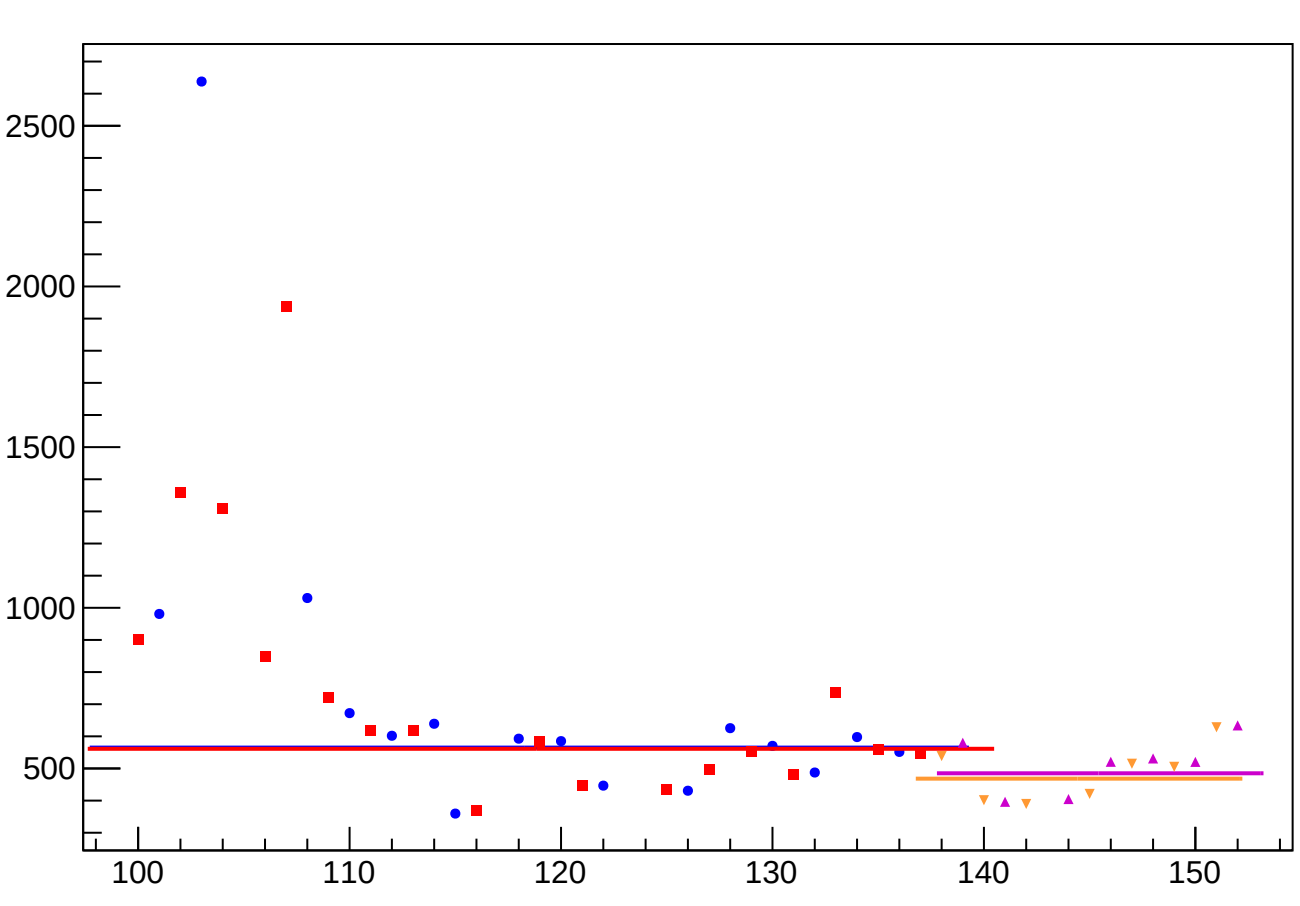
Left: -81.834+/-142.860 χ^2/NDF: 31.0/13

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 25.522+/-148.407 χ^2/NDF:30.1/22

Out: 0.528+/-151.100 χ^2/NDF:48.0/24

All: 13.249+/-105.879 χ^2/NDF: 78.1/47



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: 485.013+/-0.141 χ^2/NDF:327738.6/6

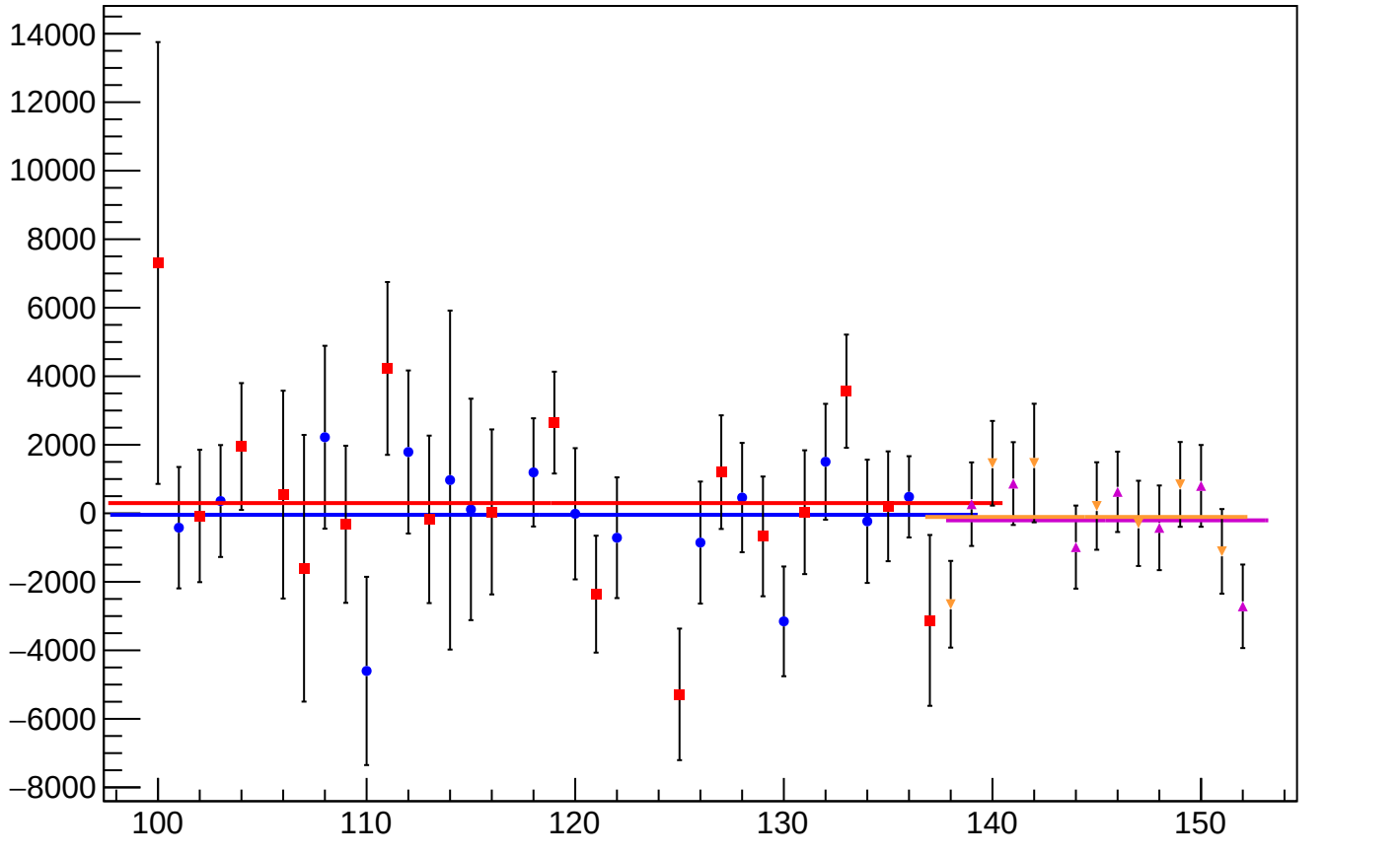
Left: 476.934+/-0.101 χ^2/NDF: 594138.4/13

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

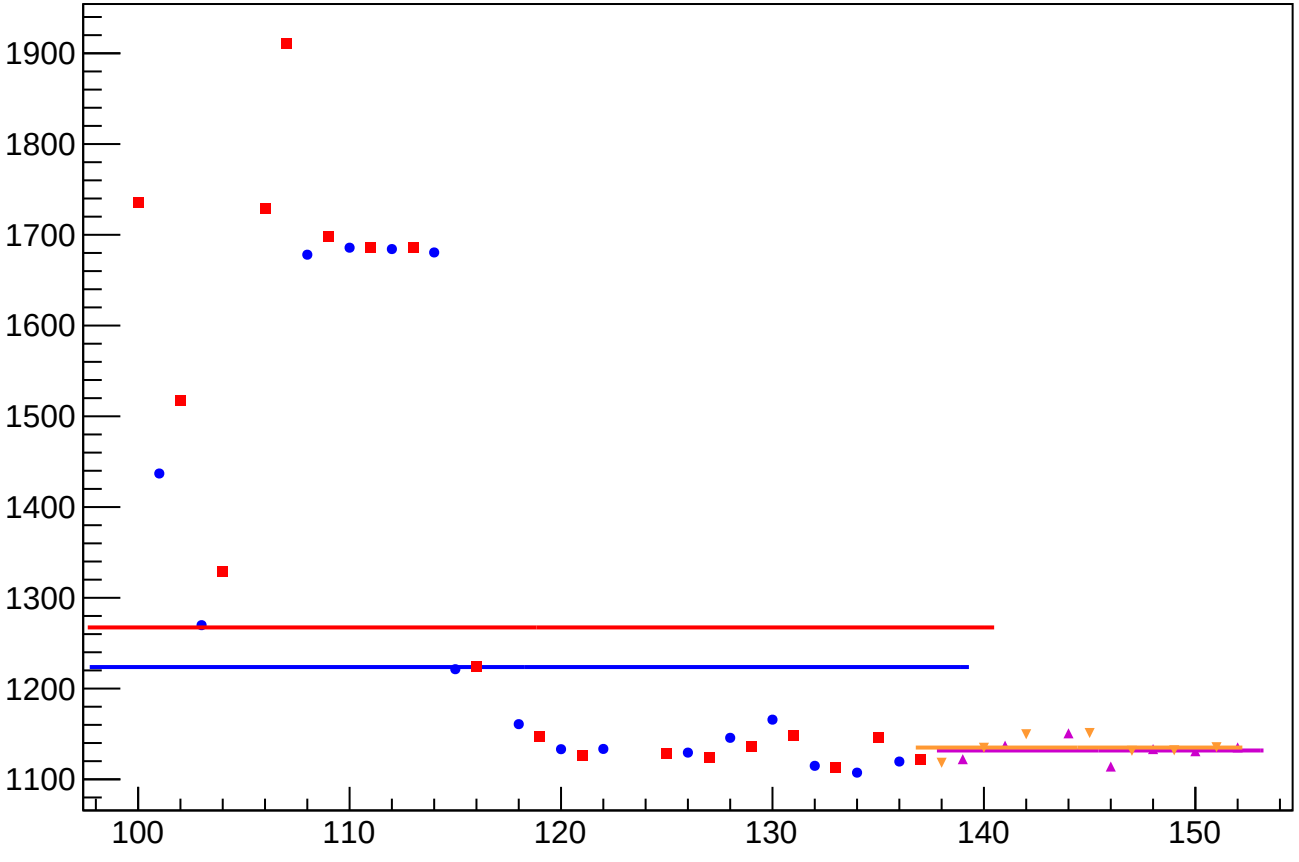
In: 520.462+/-0.105 χ^2/NDF:1755452.4/22

Out: 510.909+/-0.107 χ^2/NDF:1799574.0/24

All: 515.772+/-0.075 χ^2/NDF: 3559095.3/47


cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: -43.923+/-459.222 χ²/NDF: 10.1/15
Left Out: -107.145+/-489.080 χ²/NDF:7.8/6
Right Out: 298.207+/-475.315 χ²/NDF: 24.6/17
Left In: -205.247+/-456.784 χ²/NDF:6.8/6
Left: -159.542+/-333.829 χ²/NDF: 14.7/13
Right: 121.252+/-330.262 χ²/NDF: 35.0/33
In: -125.014+/-323.853 χ²/NDF:17.0/22
Out: 101.316+/-340.861 χ²/NDF:32.8/24
All: -17.636+/-234.781 χ²/NDF: 50.0/47

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: 1131.769+/-0.323 χ^2/NDF:1123.5/6

Left: 1133.273+/-0.236 χ^2/NDF: 2007.3/13

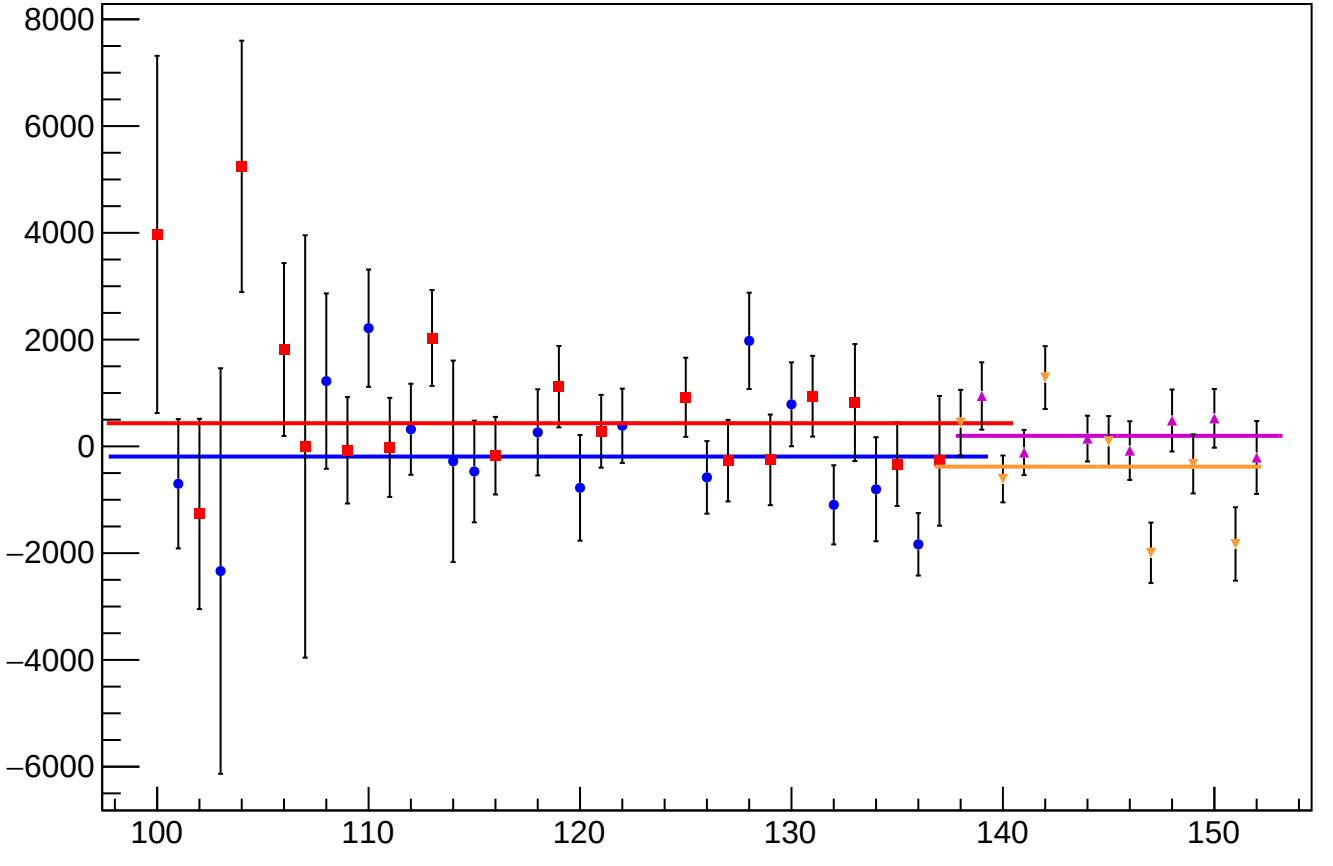
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1177.492+/-0.229 χ^2/NDF:336383.2/22

Out: 1203.070+/-0.241 χ^2/NDF:516156.2/24

All: 1189.627+/-0.166 χ^2/NDF: 858458.0/47

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: 197.732+/-198.925 χ^2/NDF:3.2/6

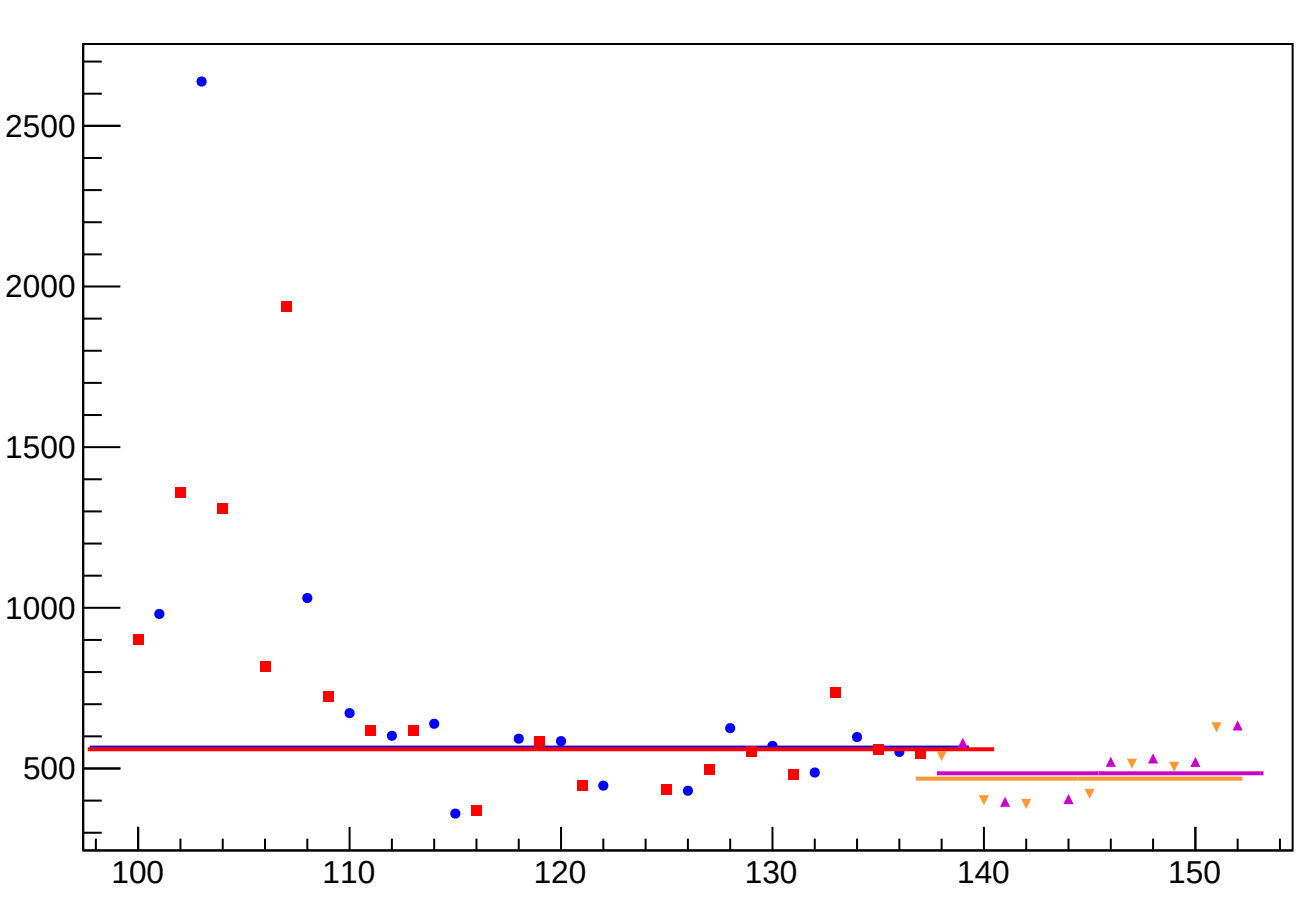
Left: -81.823+/-142.859 χ^2/NDF: 31.0/13

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 25.518+/-148.407 χ^2/NDF:30.1/22

Out: -7.405+/-151.206 χ^2/NDF:46.8/24

All: 9.364+/-105.915 χ^2/NDF: 77.0/47



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: 485.014+/-0.141 χ^2/NDF:327717.5/6

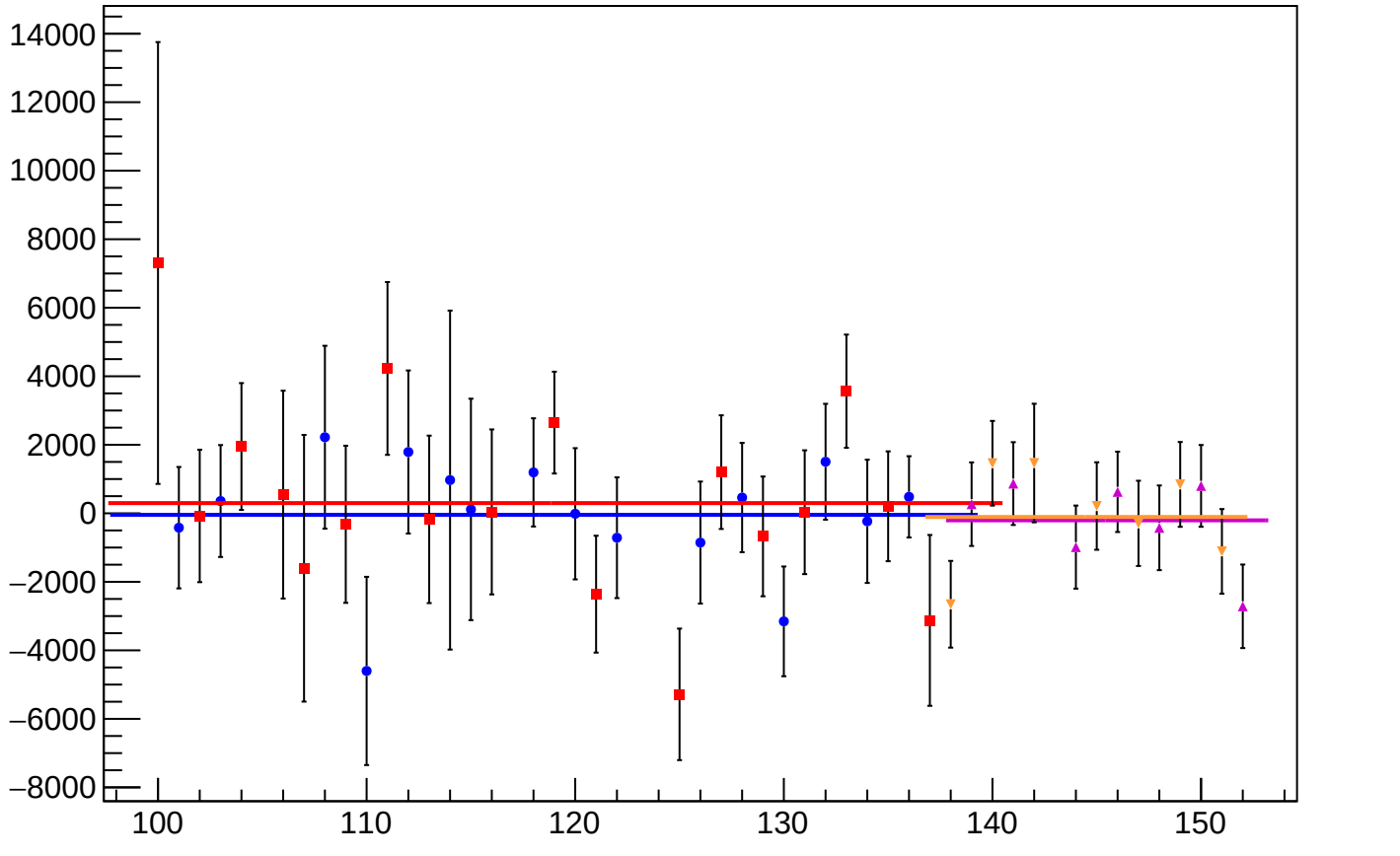
Left: 476.933+/-0.101 χ^2/NDF: 594088.0/13

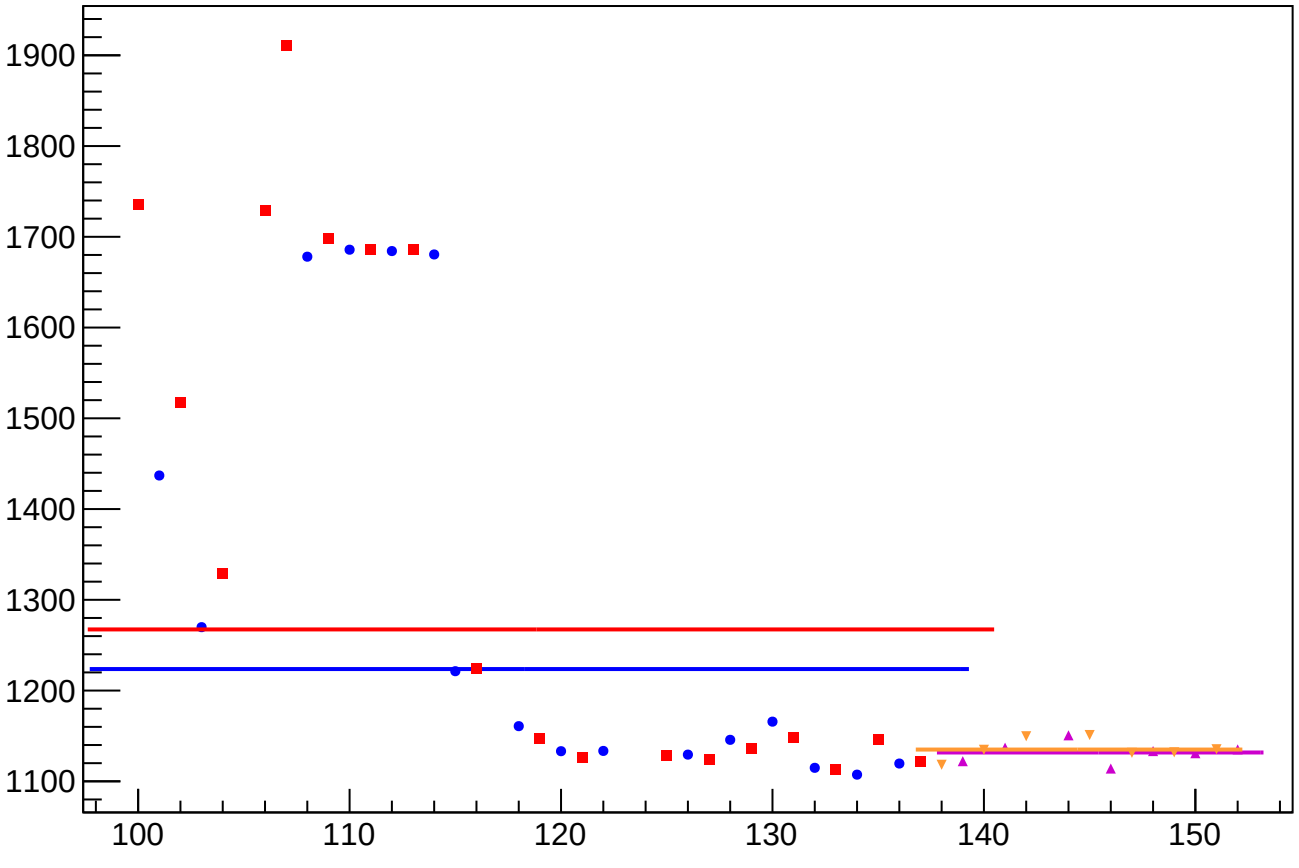
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 520.461+/-0.105 χ^2/NDF:1755388.9/22

Out: 510.157+/-0.107 χ^2/NDF:1770408.8/24

All: 515.406+/-0.075 χ^2/NDF: 3530528.2/47


eigen_cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: -43.923+/-459.222 χ²/NDF: 10.1/15
Left Out: -107.145+/-489.080 χ²/NDF:7.8/6
Right Out: 298.207+/-475.315 χ²/NDF: 24.6/17
Left In: -205.247+/-456.784 χ²/NDF:6.8/6
Left: -159.542+/-333.829 χ²/NDF: 14.7/13
Right: 121.252+/-330.262 χ²/NDF: 35.0/33
In: -125.014+/-323.853 χ²/NDF:17.0/22
Out: 101.316+/-340.861 χ²/NDF:32.8/24
All: -17.636+/-234.781 χ²/NDF: 50.0/47



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: 1131.769+/-0.323 χ^2/NDF:1123.5/6

Left: 1133.273+/-0.236 χ^2/NDF: 2007.3/13

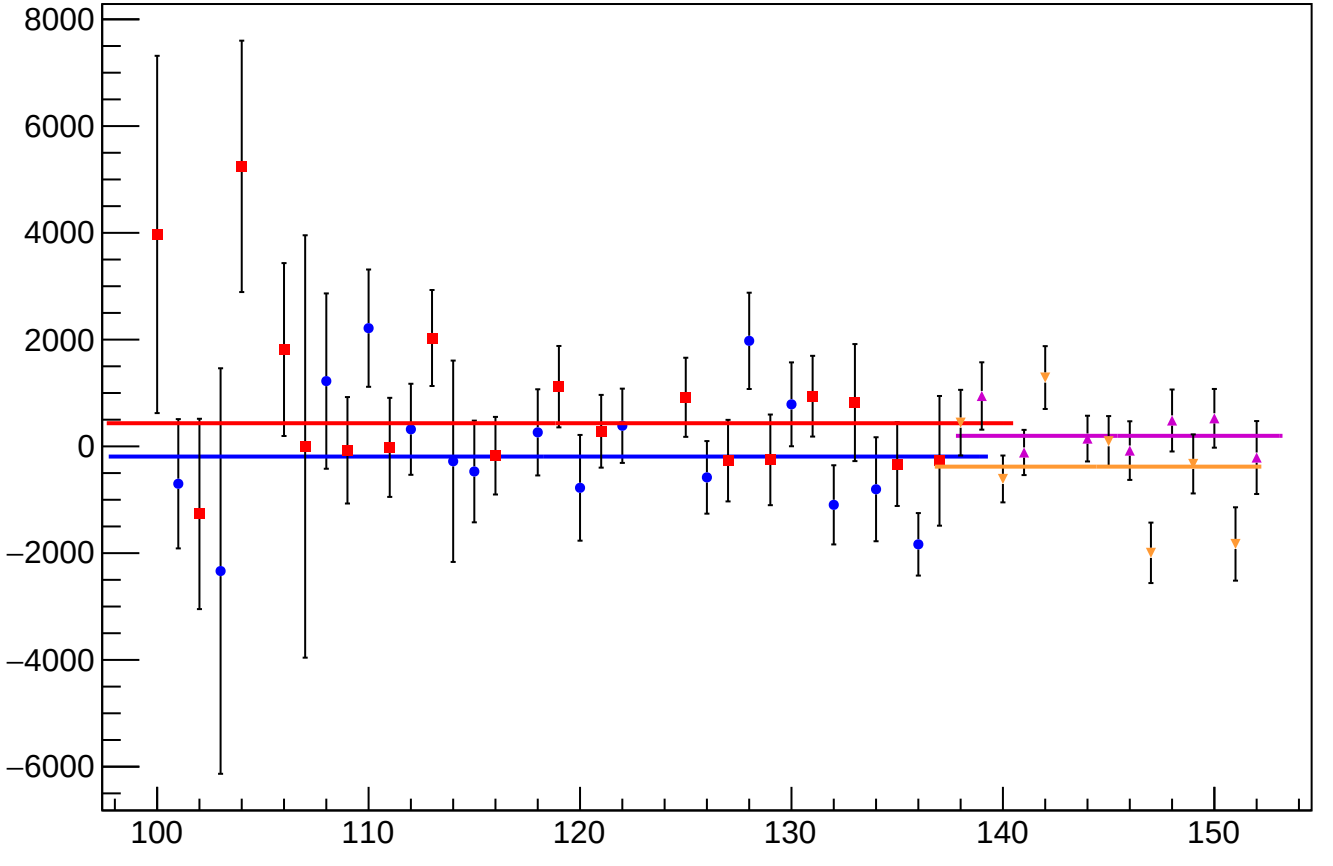
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1177.492+/-0.229 χ^2/NDF:336383.2/22

Out: 1203.070+/-0.241 χ^2/NDF:516156.2/24

All: 1189.627+/-0.166 χ^2/NDF: 858458.0/47

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: 197.732+/-198.925 χ^2/NDF:3.2/6

Left: -81.823+/-142.859 χ^2/NDF: 31.0/13

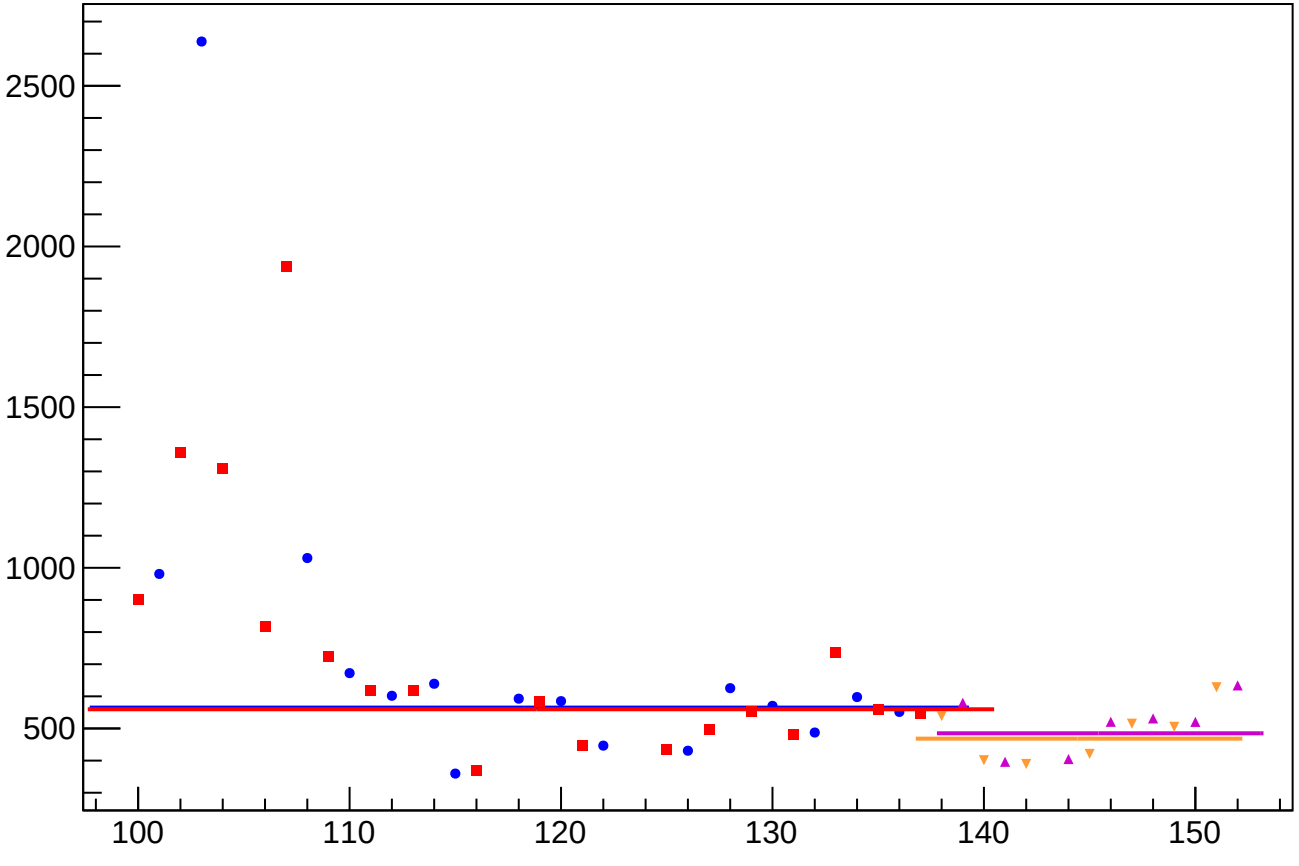
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 25.518+/-148.407 χ^2/NDF:30.1/22

Out: -7.405+/-151.206 χ^2/NDF:46.8/24

All: 9.364+/-105.915 χ^2/NDF: 77.0/47

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: 485.014+/-0.141 χ^2/NDF:327717.5/6

Left: 476.933+/-0.101 χ^2/NDF: 594088.0/13

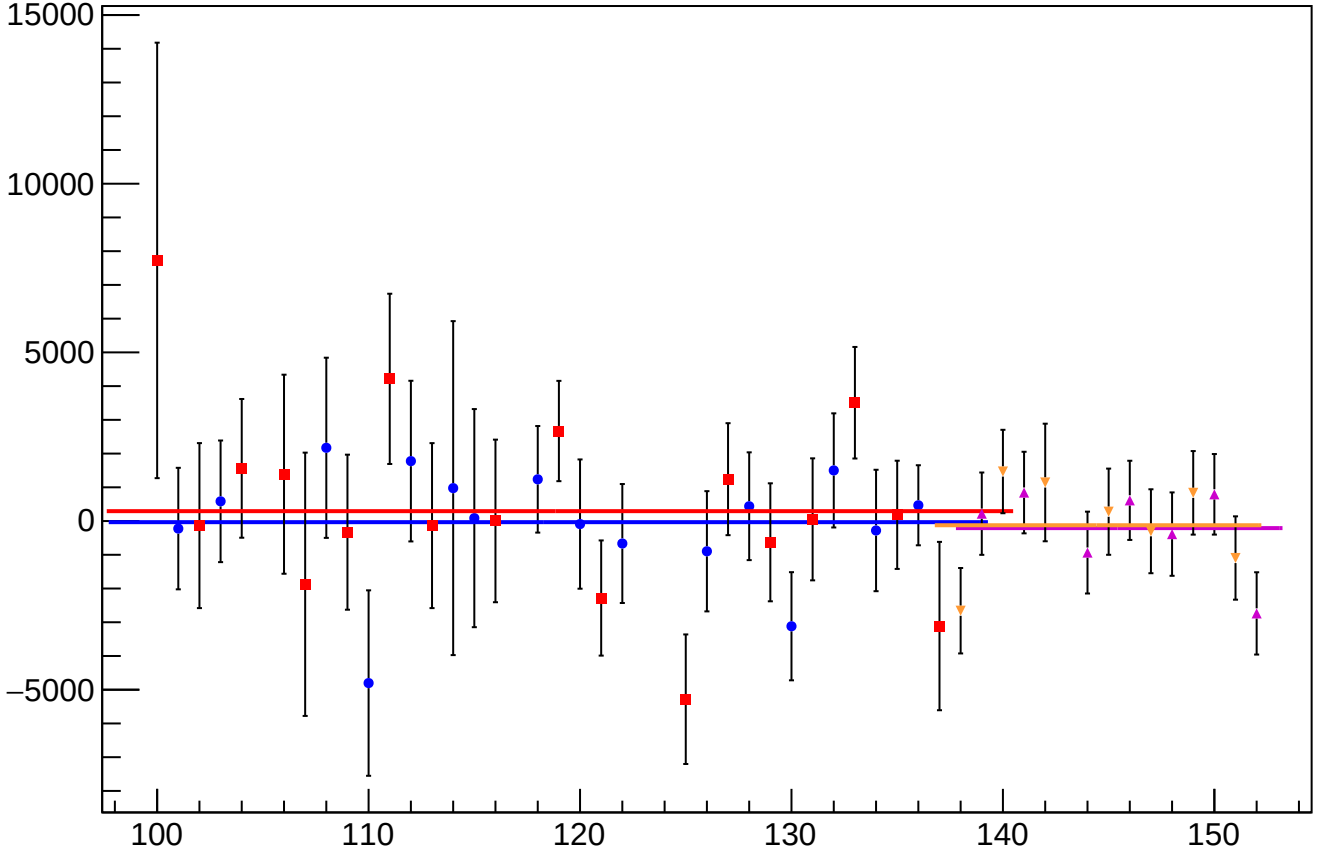
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 520.461+/-0.105 χ^2/NDF:1755388.9/22

Out: 510.157+/-0.107 χ^2/NDF:1770408.8/24

All: 515.406+/-0.075 χ^2/NDF: 3530528.2/47

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: -209.299+/-456.956 χ^2/NDF:6.8/6

Left: -169.737+/-334.040 χ^2/NDF: 14.3/13

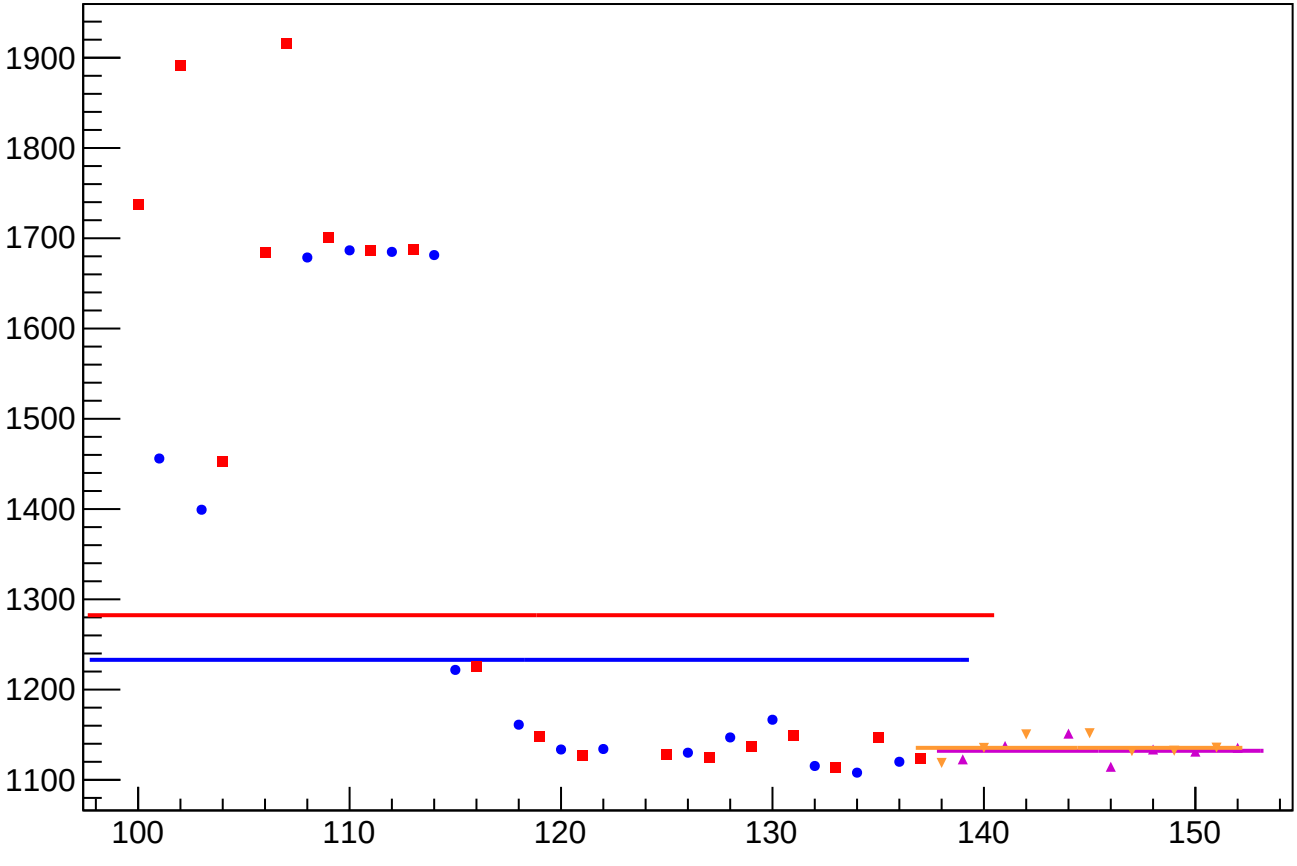
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -122.380+/-325.307 χ^2/NDF:17.1/22

Out: 86.969+/-344.120 χ^2/NDF:32.1/24

All: -23.584+/-236.398 χ^2/NDF: 49.4/47

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: 1132.194+/-0.323 χ^2/NDF:1124.3/6

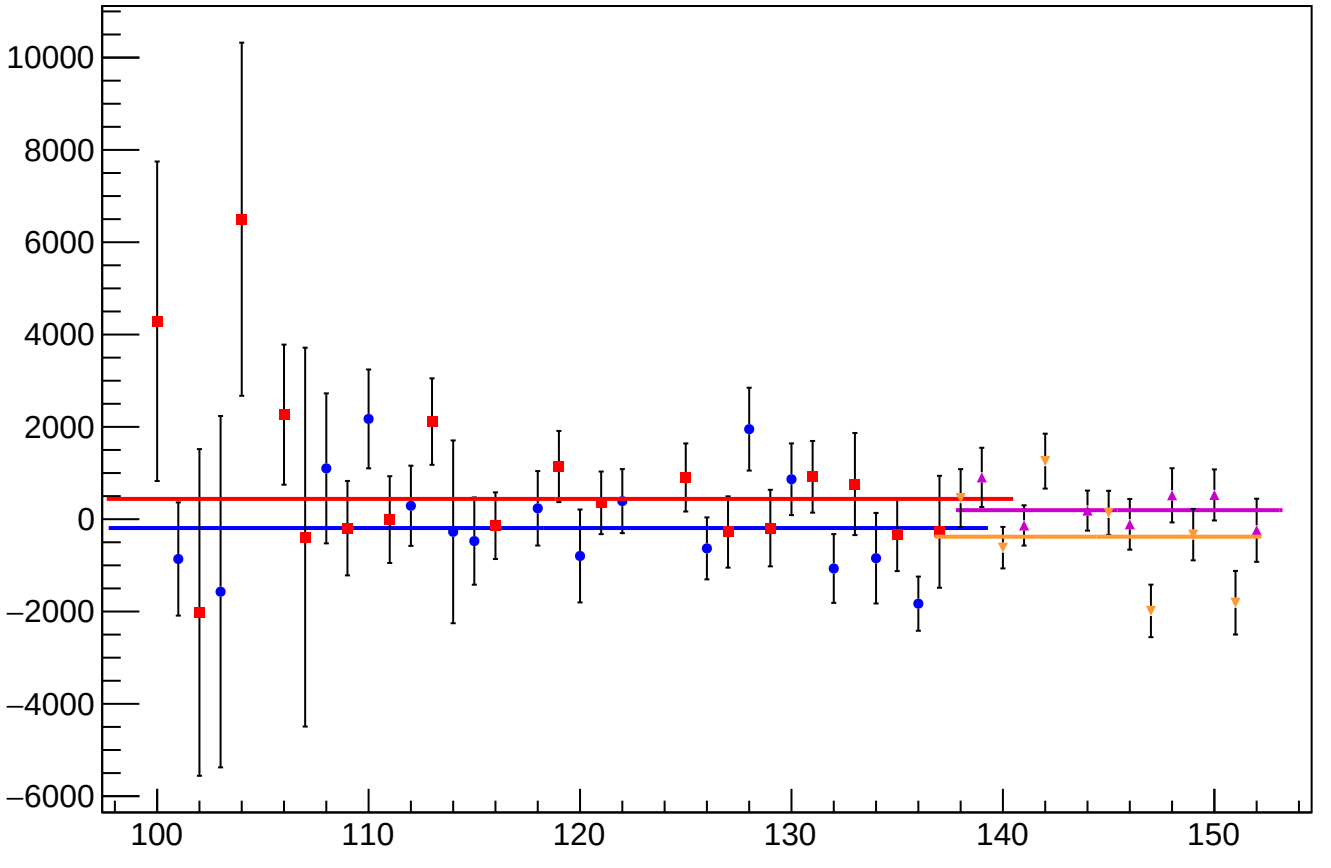
Left: 1133.716+/-0.236 χ^2/NDF: 2018.4/13

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1181.894+/-0.230 χ^2/NDF:364565.3/22

Out: 1209.795+/-0.243 χ^2/NDF:635407.3/24

All: 1195.061+/-0.167 χ^2/NDF: 1006915.5/47



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: 195.693+/-201.500 χ^2/NDF:3.2/6

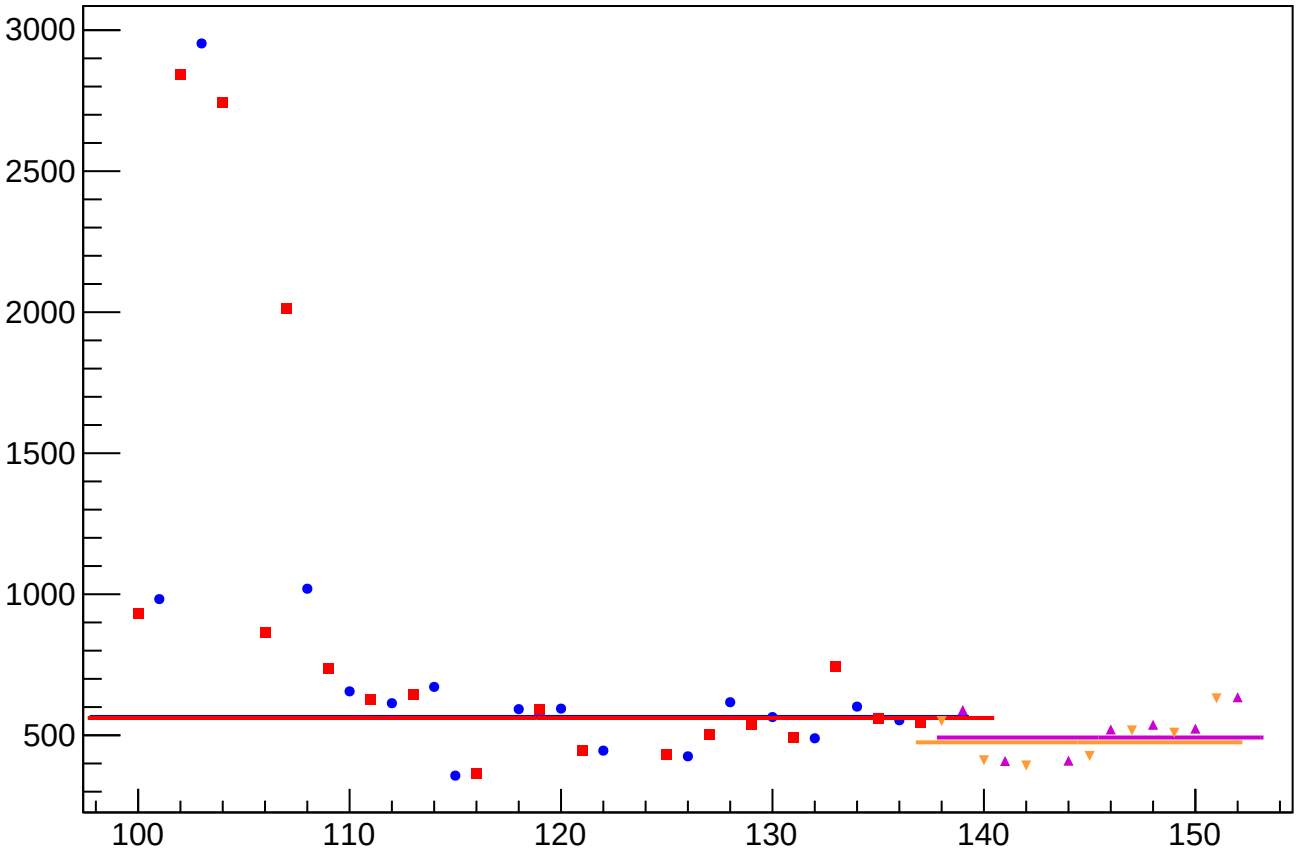
Left: -82.557+/-144.725 χ^2/NDF: 30.2/13

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 21.440+/-149.436 χ^2/NDF:30.1/22

Out: -4.693+/-153.232 χ^2/NDF:44.8/24

All: 8.702+/-106.984 χ^2/NDF: 75.0/47



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: 492.046+/-0.142 χ^2/NDF:301591.3/6

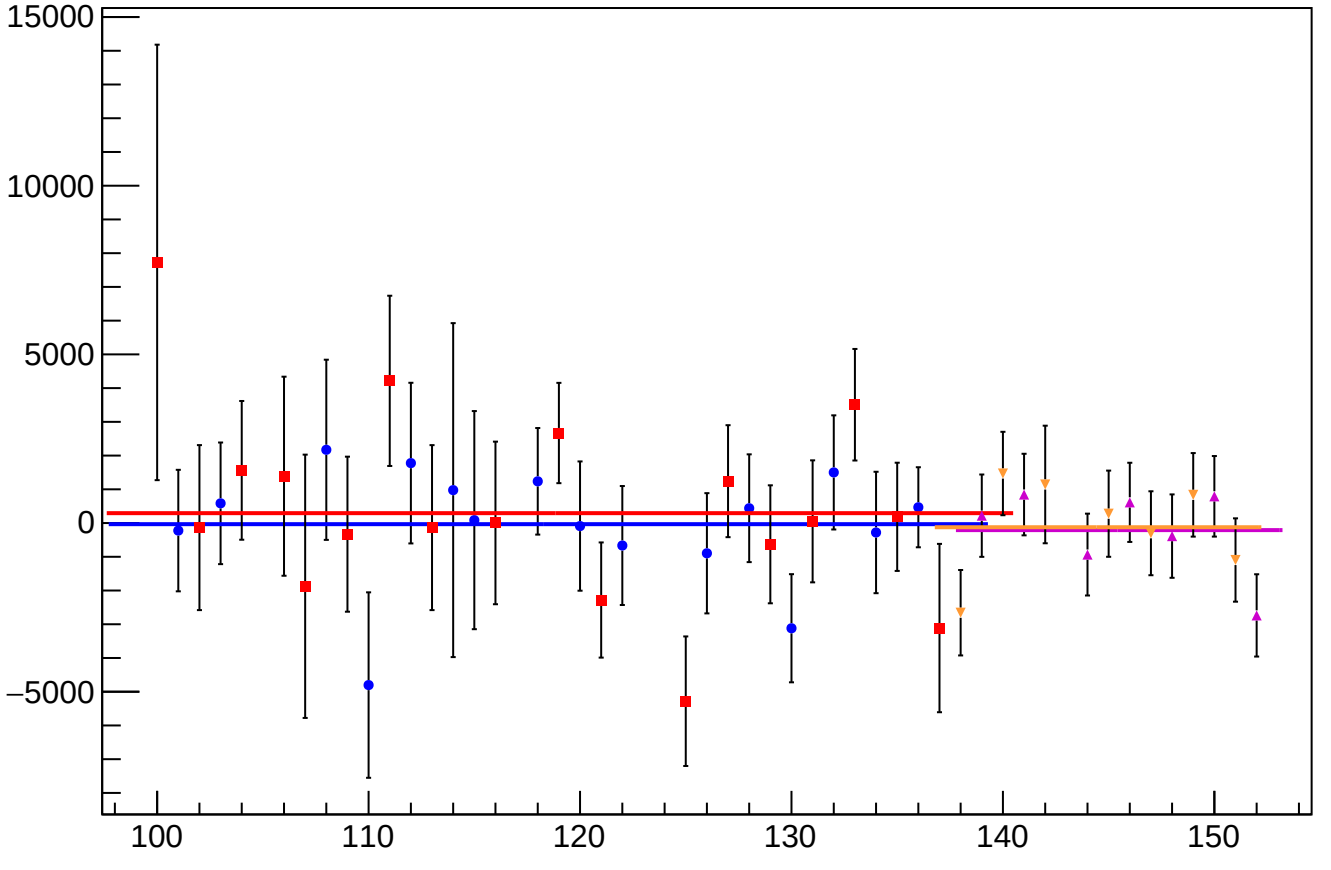
Left: 483.753+/-0.102 χ^2/NDF: 556984.1/13

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 524.818+/-0.106 χ^2/NDF:1899526.1/22

Out: 514.406+/-0.108 χ^2/NDF:2679409.1/24

All: 519.742+/-0.076 χ^2/NDF: 4583668.0/47



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: -209.298+/-456.956 χ^2/NDF:6.8/6

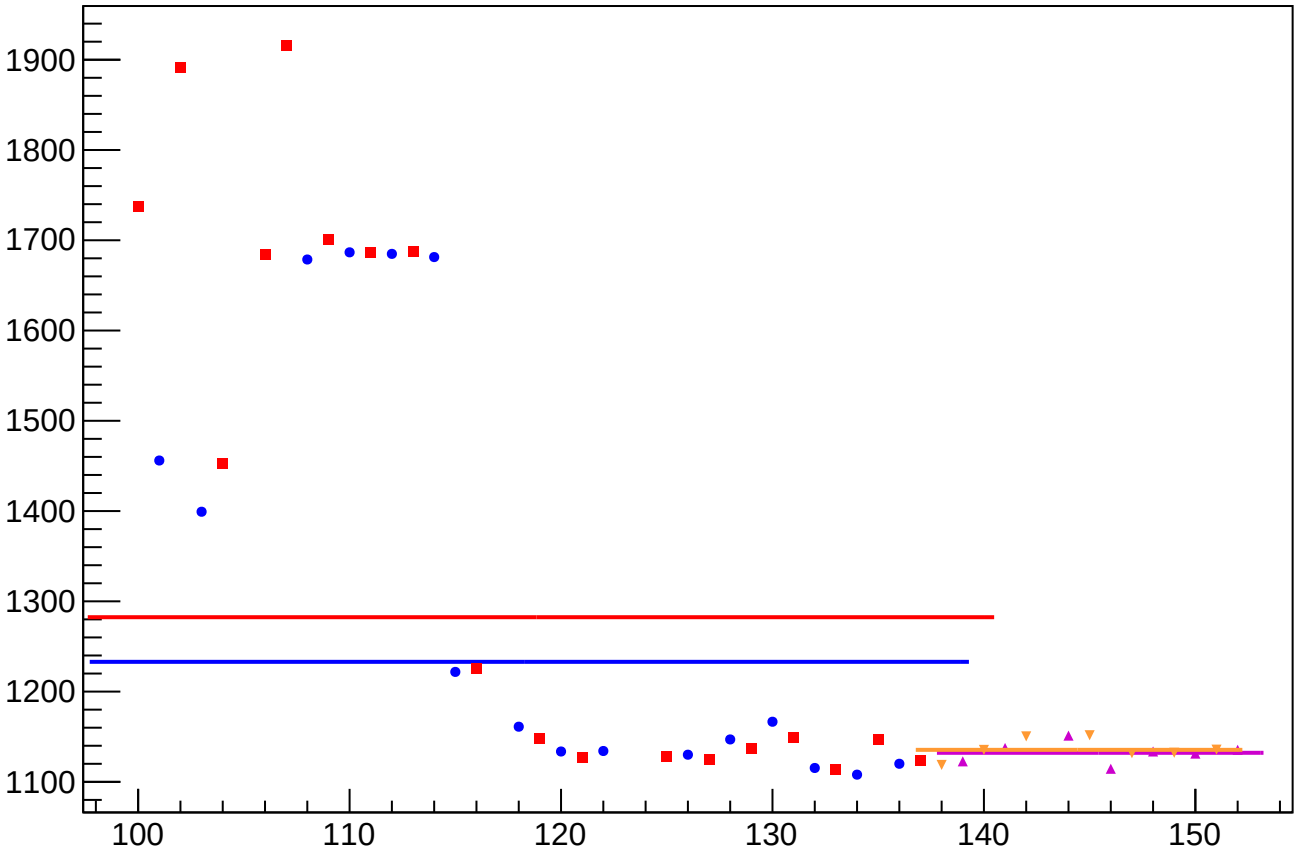
Left: -169.737+/-334.040 χ^2/NDF: 14.3/13

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -122.379+/-325.307 χ^2/NDF:17.1/22

Out: 86.968+/-344.120 χ^2/NDF:32.1/24

All: -23.584+/-236.398 χ^2/NDF: 49.4/47



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: 1132.194+/-0.323 χ^2/NDF:1124.3/6

Left: 1133.716+/-0.236 χ^2/NDF: 2018.4/13

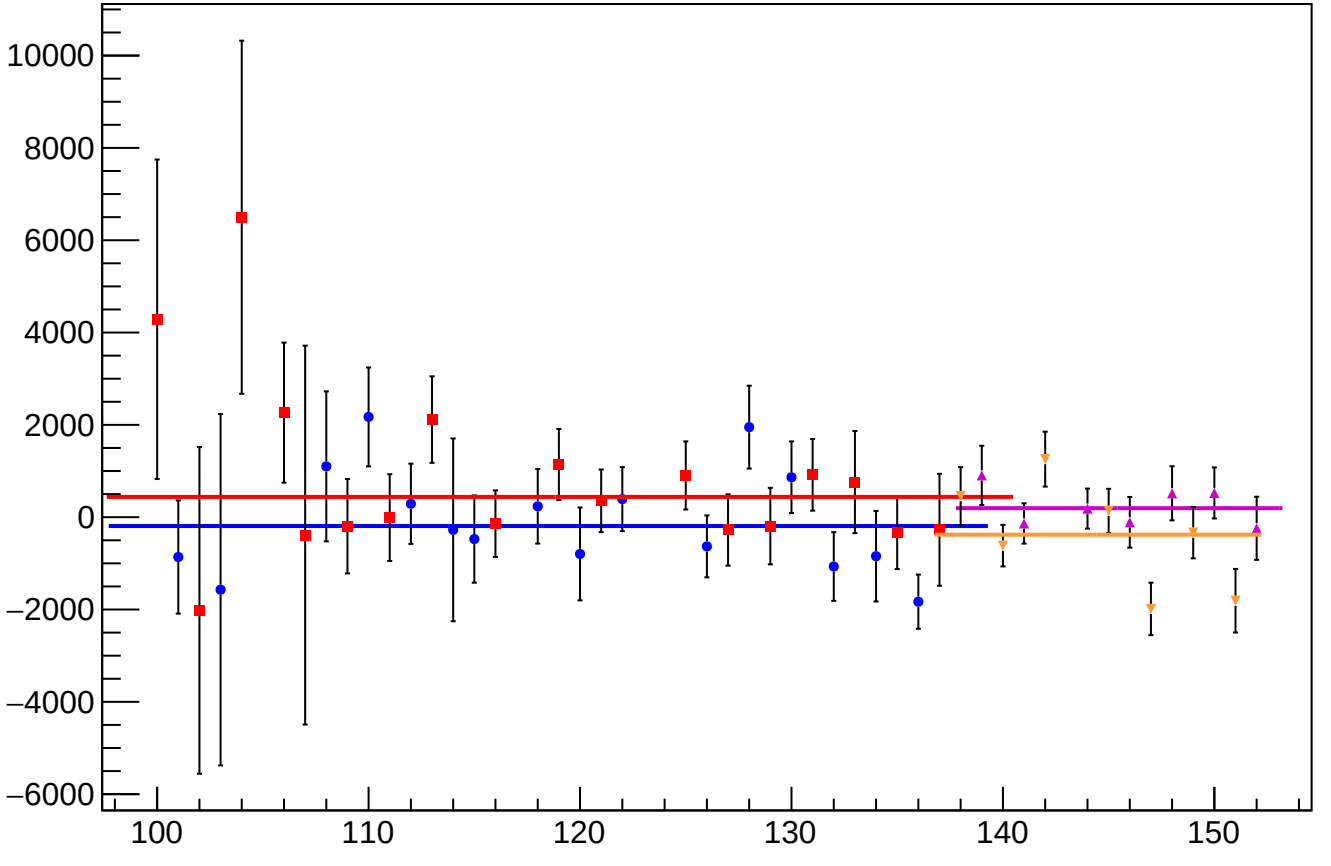
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1181.894+/-0.230 χ^2/NDF:364564.8/22

Out: 1209.795+/-0.243 χ^2/NDF:635406.7/24

All: 1195.061+/-0.167 χ^2/NDF: 1006914.4/47

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: 195.692+/-201.500 χ^2/NDF:3.2/6

Left: -82.557+/-144.725 χ^2/NDF: 30.2/13

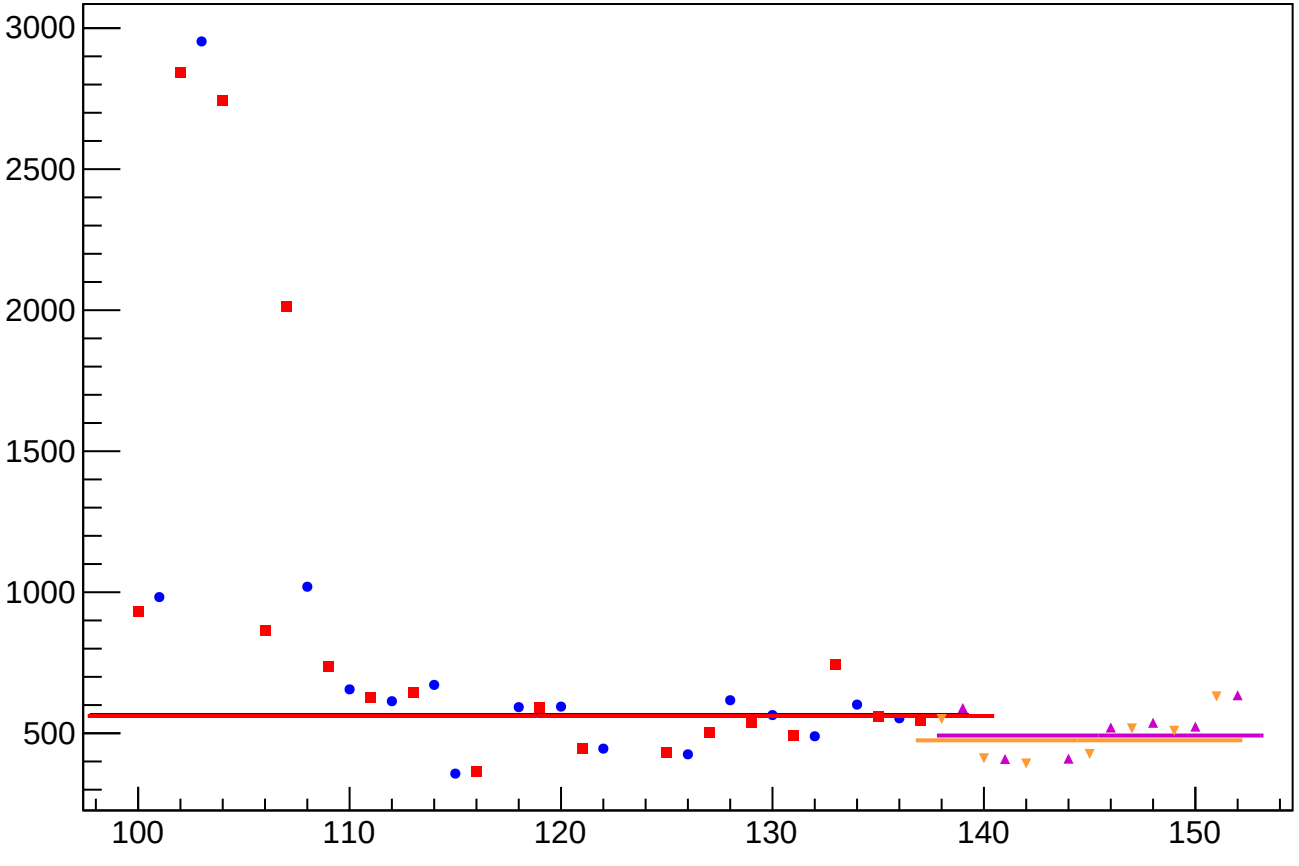
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 21.440+/-149.436 χ^2/NDF:30.1/22

Out: -4.692+/-153.232 χ^2/NDF:44.8/24

All: 8.702+/-106.984 χ^2/NDF: 75.0/47

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 474.916+/-0.147 χ^2/NDF:248406.5/6

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 492.045+/-0.142 χ^2/NDF:301600.2/6

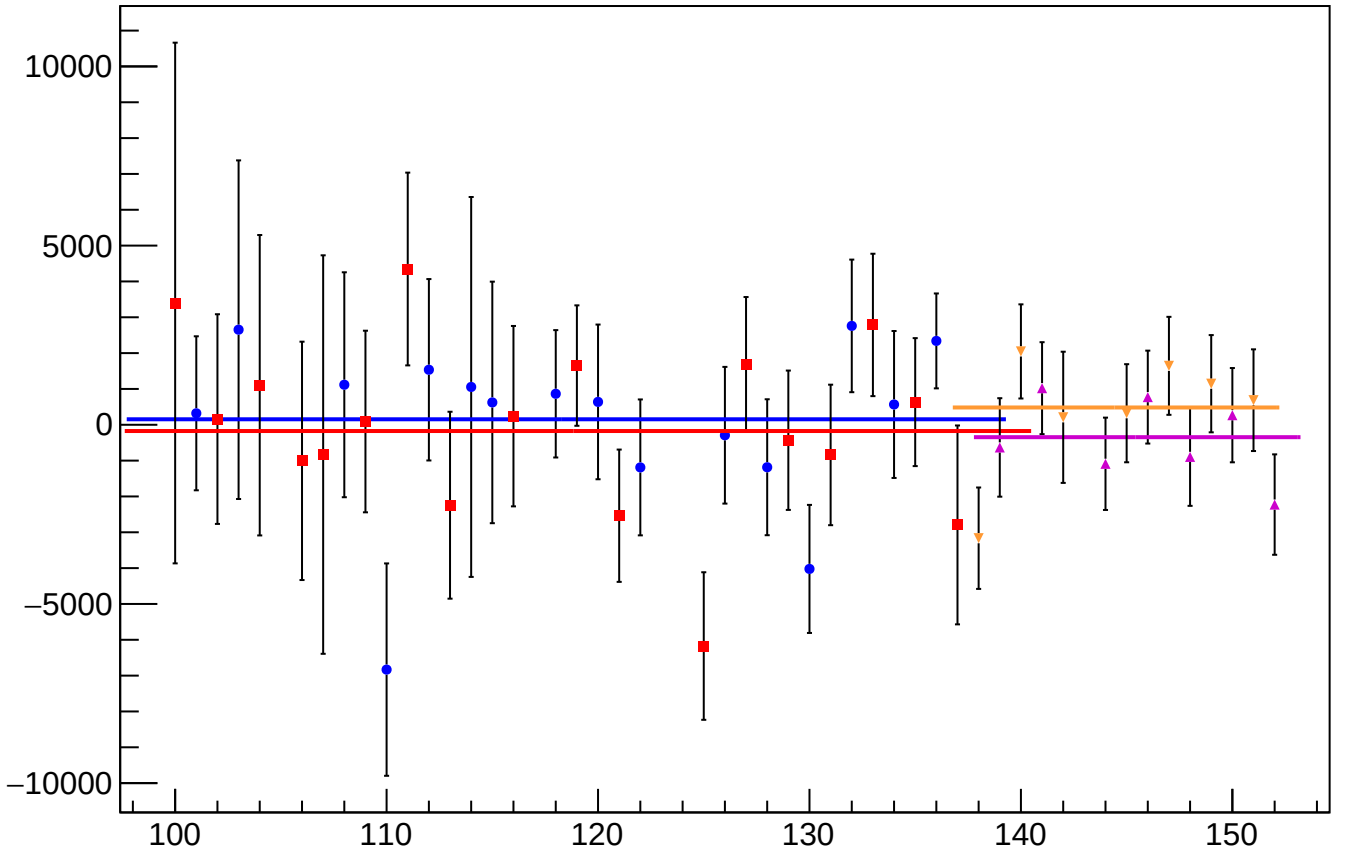
Left: 483.753+/-0.102 χ^2/NDF: 557003.5/13

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 524.817+/-0.106 χ^2/NDF:1899534.2/22

Out: 514.405+/-0.108 χ^2/NDF:2679423.6/24

All: 519.742+/-0.076 χ^2/NDF: 4583690.9/47



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: -346.052+/-502.711 χ^2/NDF:4.4/6

Left: 42.123+/-366.545 χ^2/NDF: 14.8/13

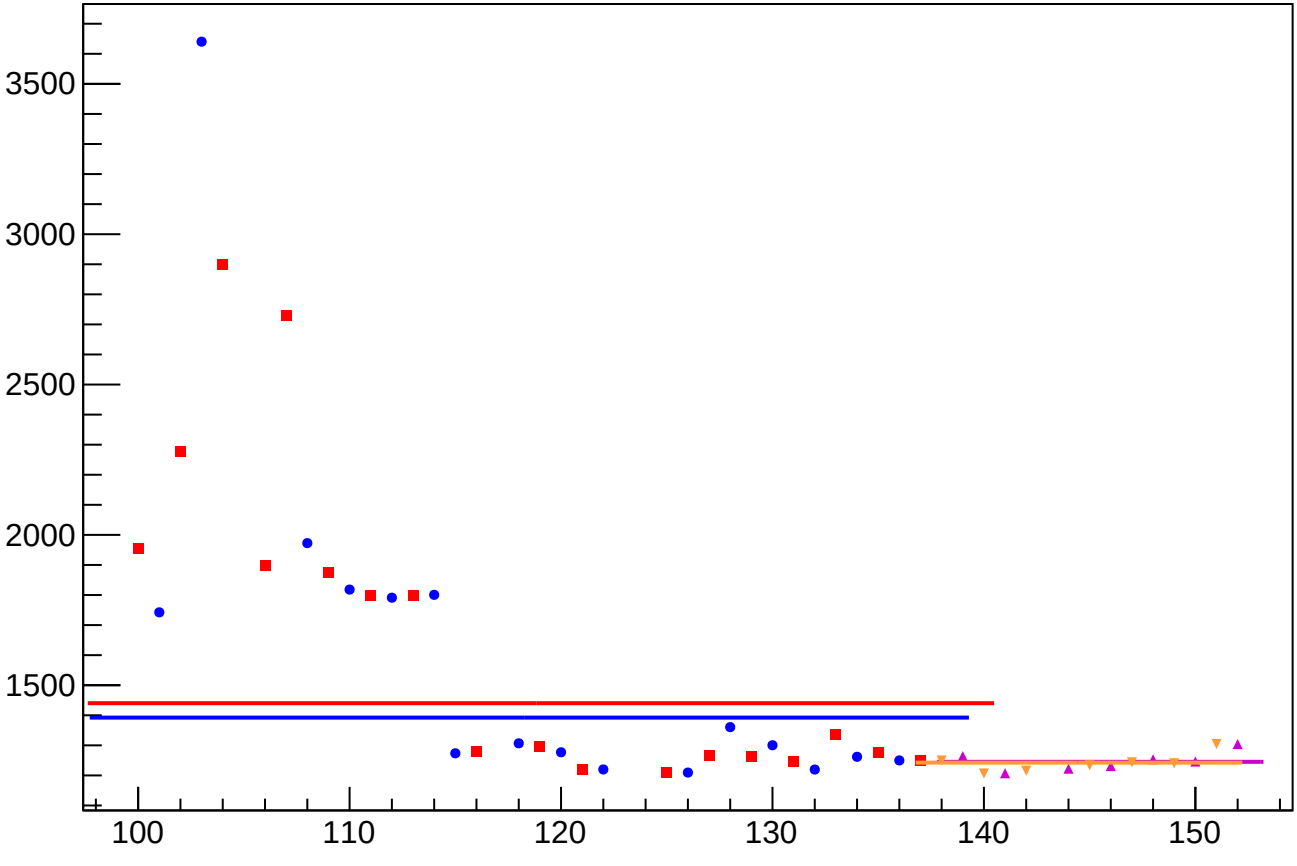
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -110.509+/-365.417 χ^2/NDF:22.7/22

Out: 163.021+/-383.767 χ^2/NDF:29.5/24

All: 19.560+/-264.638 χ^2/NDF: 52.4/47

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: 1245.214+/-0.355 χ^2/NDF:6628.1/6

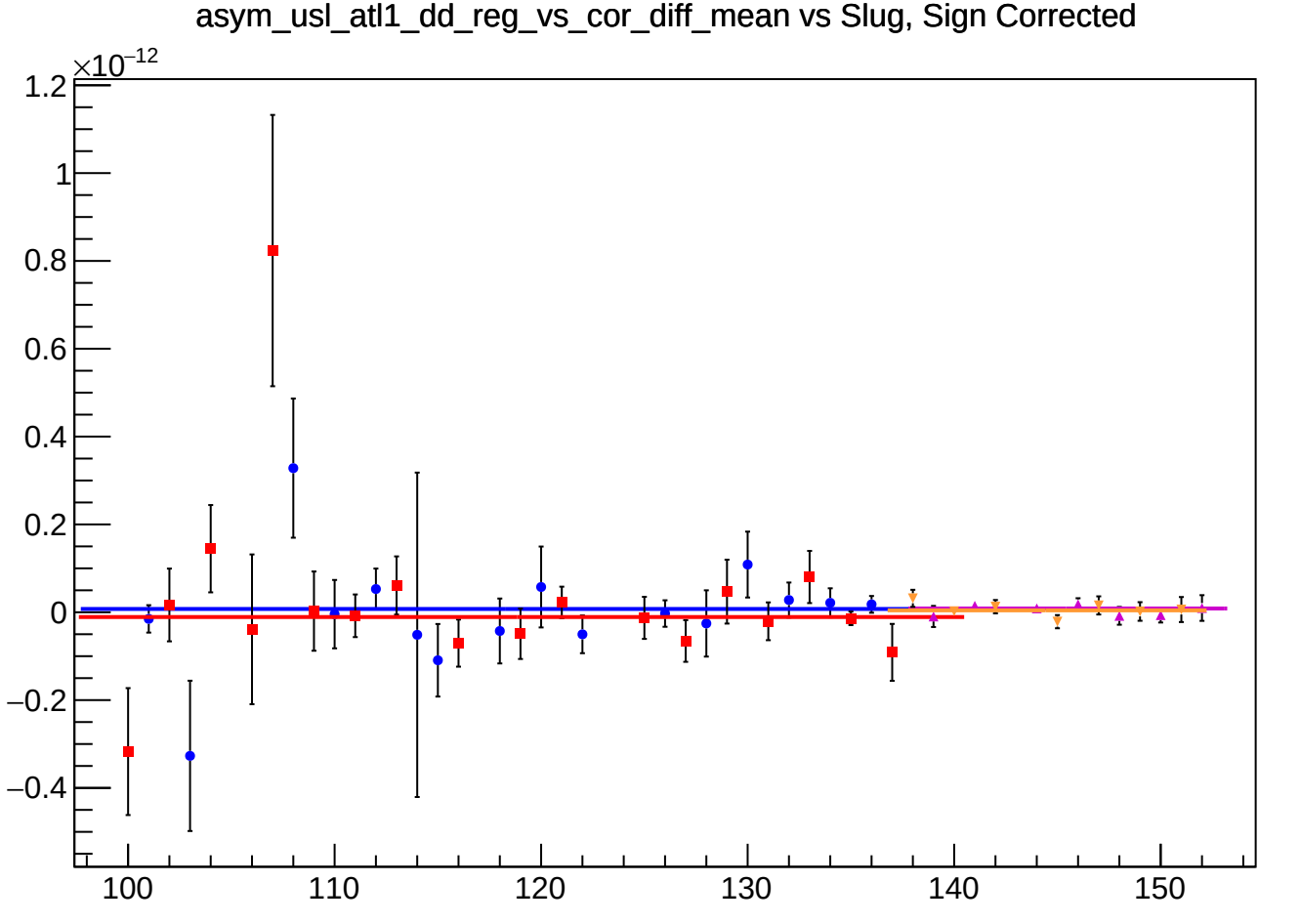
Left: 1243.971+/-0.259 χ^2/NDF: 12539.6/13

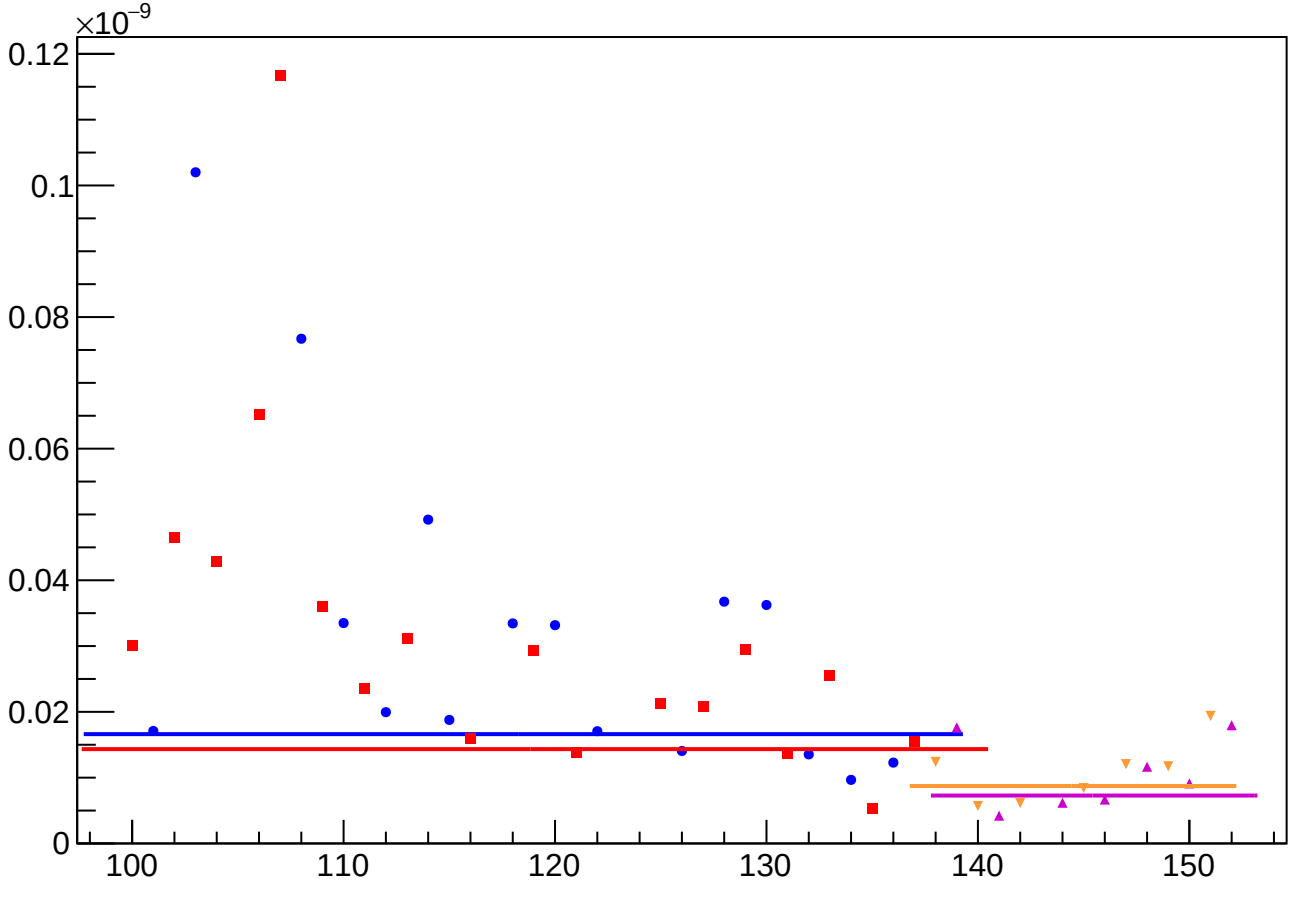
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1314.583+/-0.258 χ^2/NDF:866616.4/22

Out: 1338.741+/-0.271 χ^2/NDF:993318.5/24

All: 1326.071+/-0.187 χ^2/NDF: 1864091.8/47


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:3.0/6
Left: 0.000+/-0.000 χ²/NDF: 8.8/13
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:19.9/22
Out: 0.000+/-0.000 χ²/NDF:31.1/24
All: 0.000+/-0.000 χ²/NDF: 52.2/47



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:996305.2/6

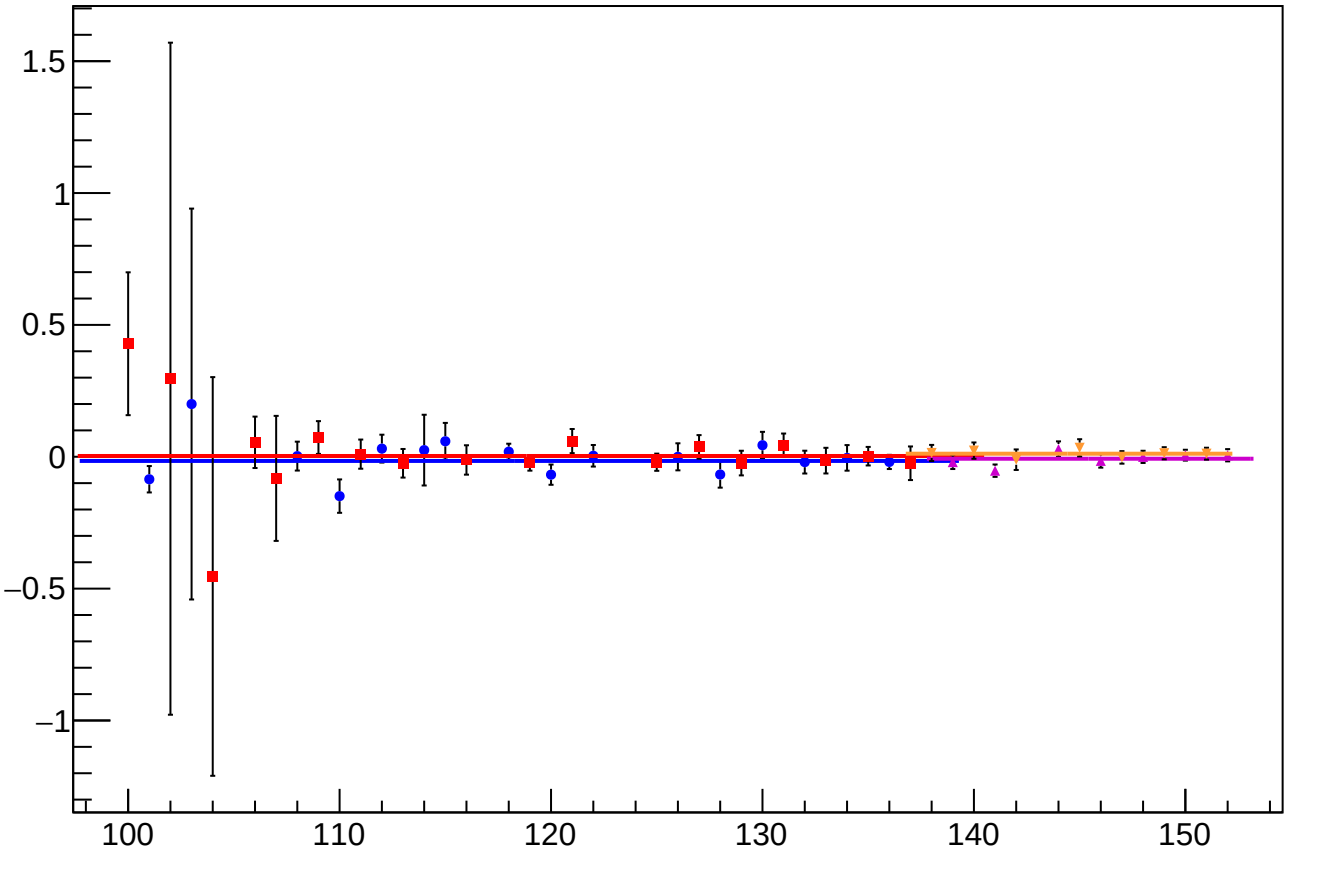
Left: 0.000+/-0.000 χ^2/NDF: 1708900.5/13

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:3751874.1/22

Out: 0.000+/-0.000 χ^2/NDF:3323365.1/24

All: 0.000+/-0.000 χ^2/NDF: 7117753.0/47



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: -0.007+/-0.009 χ^2/NDF:6.5/6

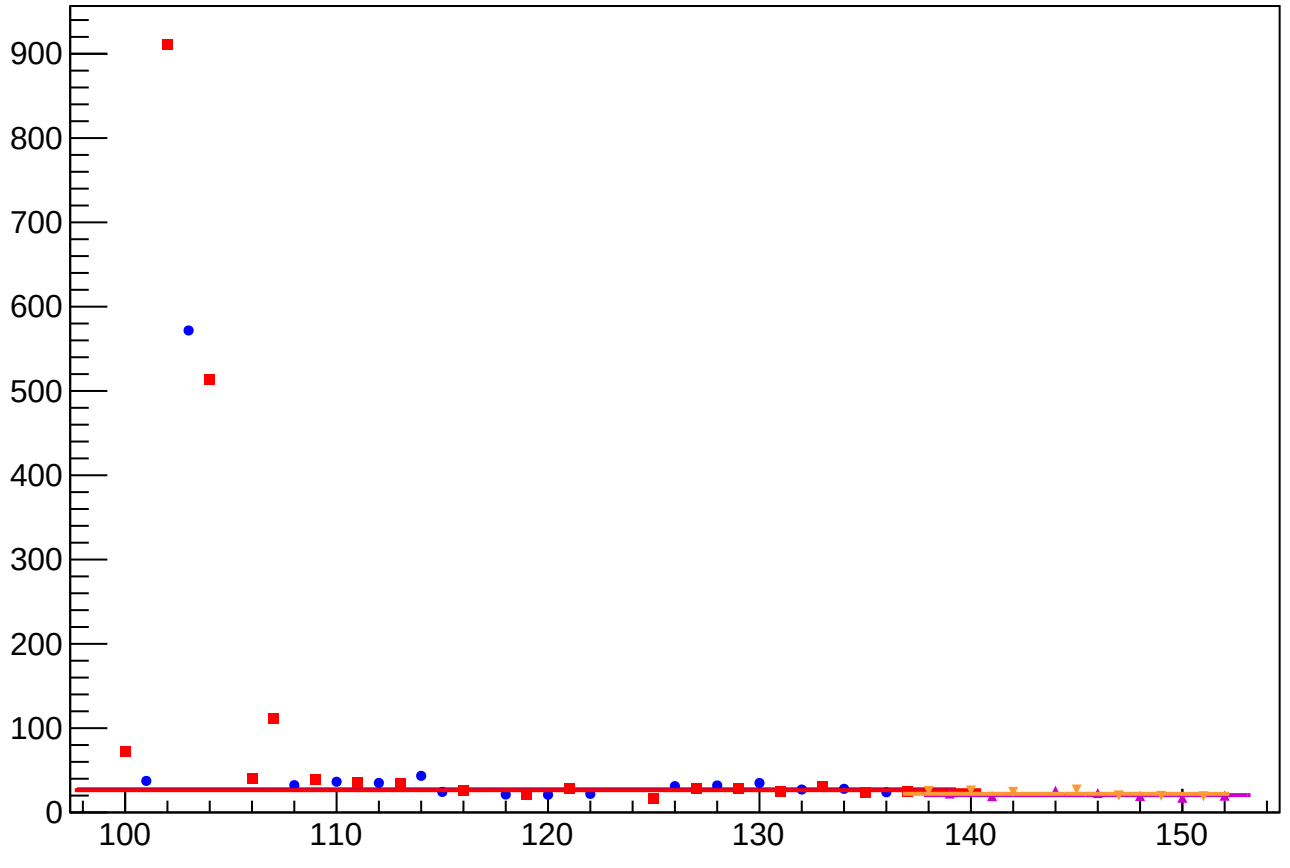
Left: 0.001+/-0.007 χ^2/NDF: 9.7/13

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.011+/-0.007 χ^2/NDF:21.4/22

Out: 0.008+/-0.008 χ^2/NDF:11.5/24

All: -0.002+/-0.005 χ^2/NDF: 36.0/47



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: 20.579+/-0.006 χ^2/NDF:151452.8/6

Left: 21.262+/-0.005 χ^2/NDF: 359212.6/13

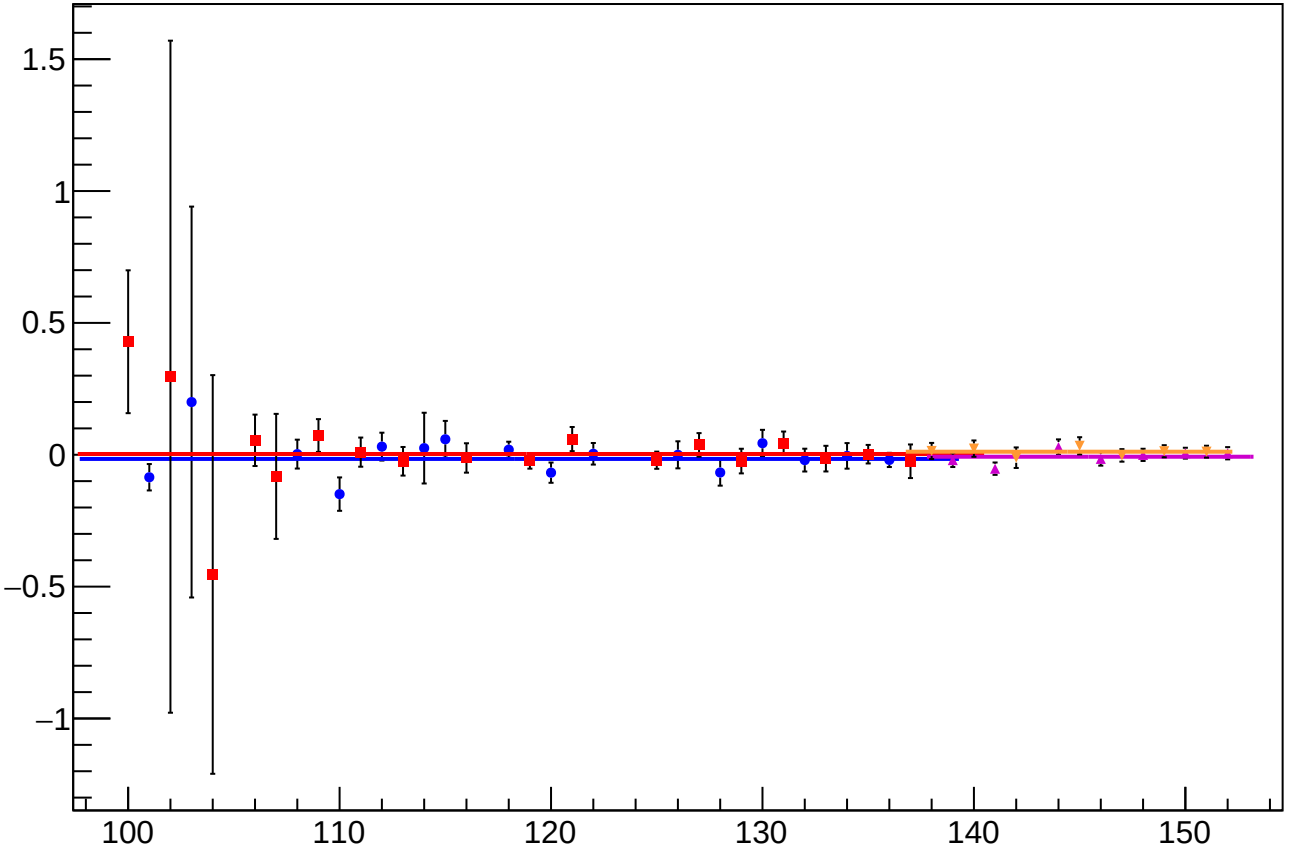
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 23.160+/-0.005 χ^2/NDF:2137060.4/22

Out: 23.955+/-0.006 χ^2/NDF:2940938.4/24

All: 23.521+/-0.004 χ^2/NDF: 5089209.6/47

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: -0.007+/-0.009 χ^2/NDF:6.5/6

Left: 0.001+/-0.007 χ^2/NDF: 9.7/13

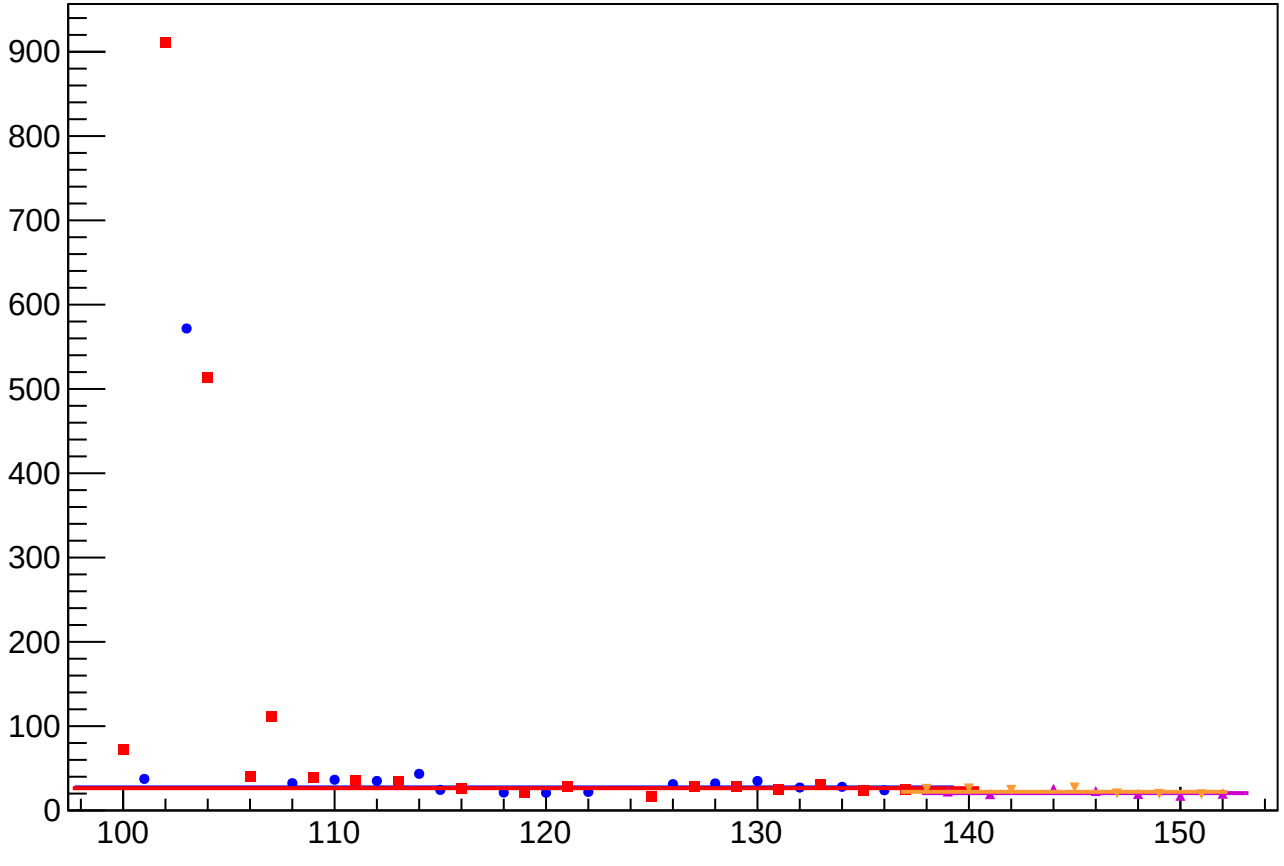
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.011+/-0.007 χ^2/NDF:21.4/22

Out: 0.008+/-0.008 χ^2/NDF:11.5/24

All: -0.002+/-0.005 χ^2/NDF: 36.0/47

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.141+/-0.007 χ^2/NDF:182154.6/6

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.579+/-0.006 χ^2/NDF:151452.8/6

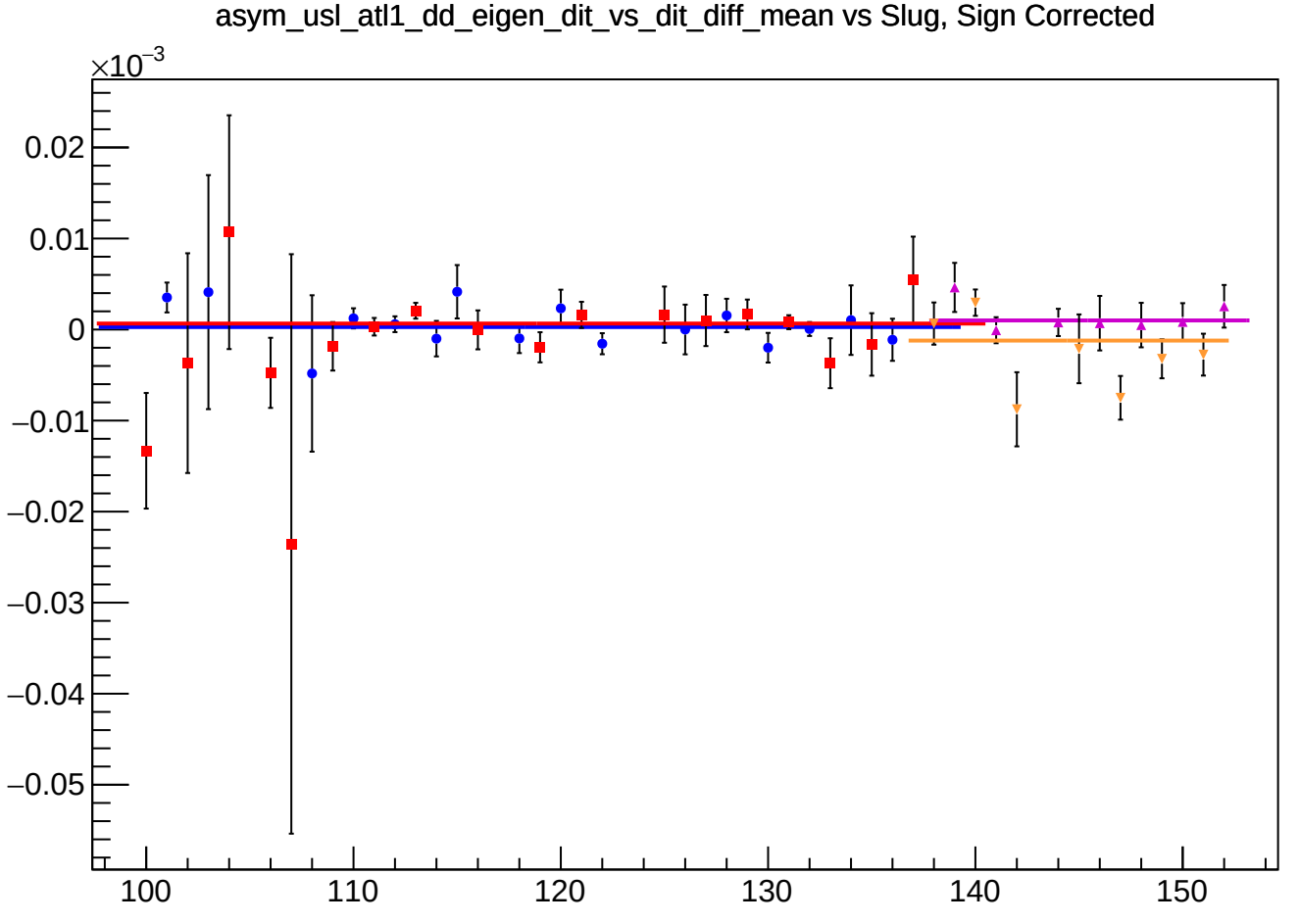
Left: 21.262+/-0.005 χ^2/NDF: 359212.6/13

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 23.160+/-0.005 χ^2/NDF:2137060.4/22

Out: 23.955+/-0.006 χ^2/NDF:2940938.4/24

All: 23.521+/-0.004 χ^2/NDF: 5089209.6/47



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:2.9/6

Left: 0.000+/-0.000 χ^2/NDF: 27.3/13

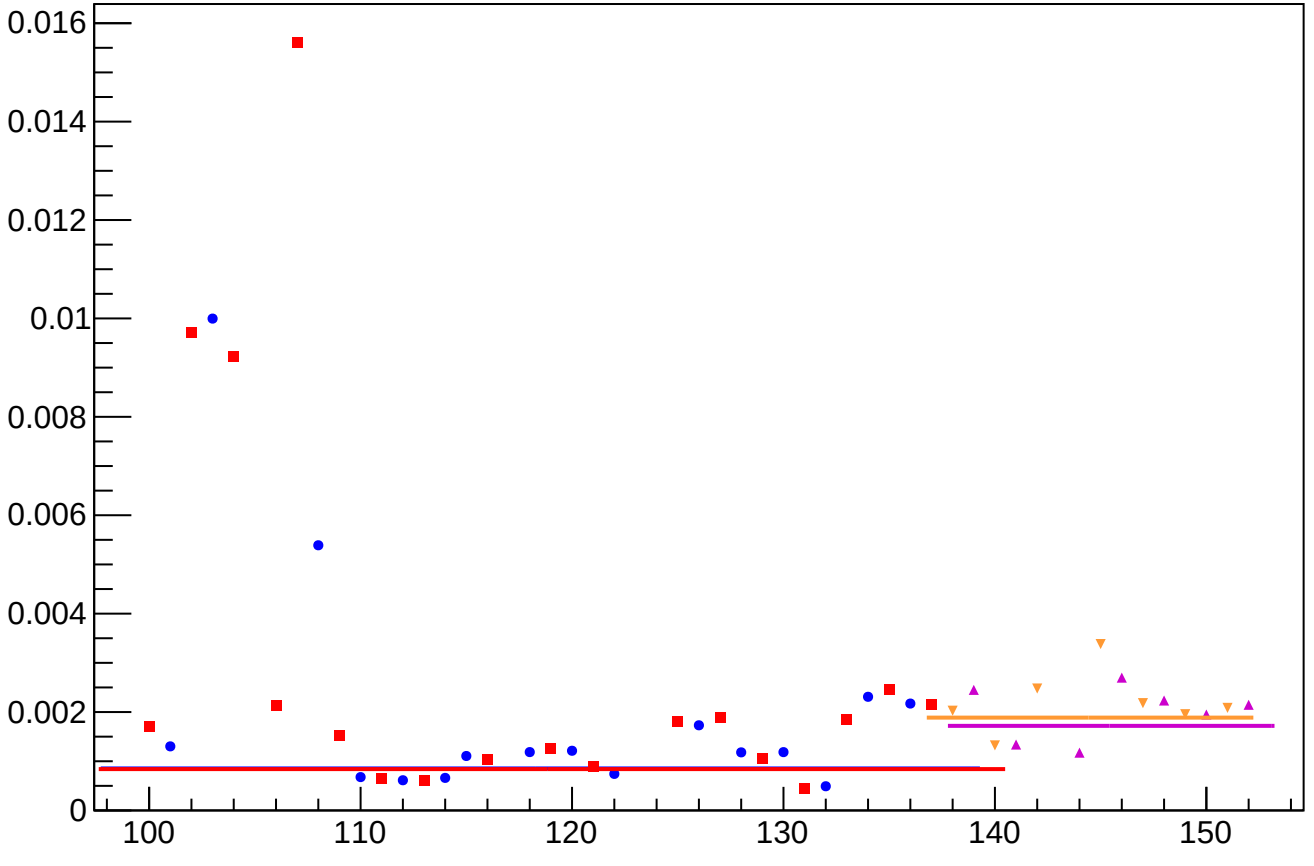
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:18.1/22

Out: 0.000+/-0.000 χ^2/NDF:43.9/24

All: 0.000+/-0.000 χ^2/NDF: 62.0/47

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:947953.6/6

Left: 0.002+/-0.000 χ^2/NDF: 1705746.5/13

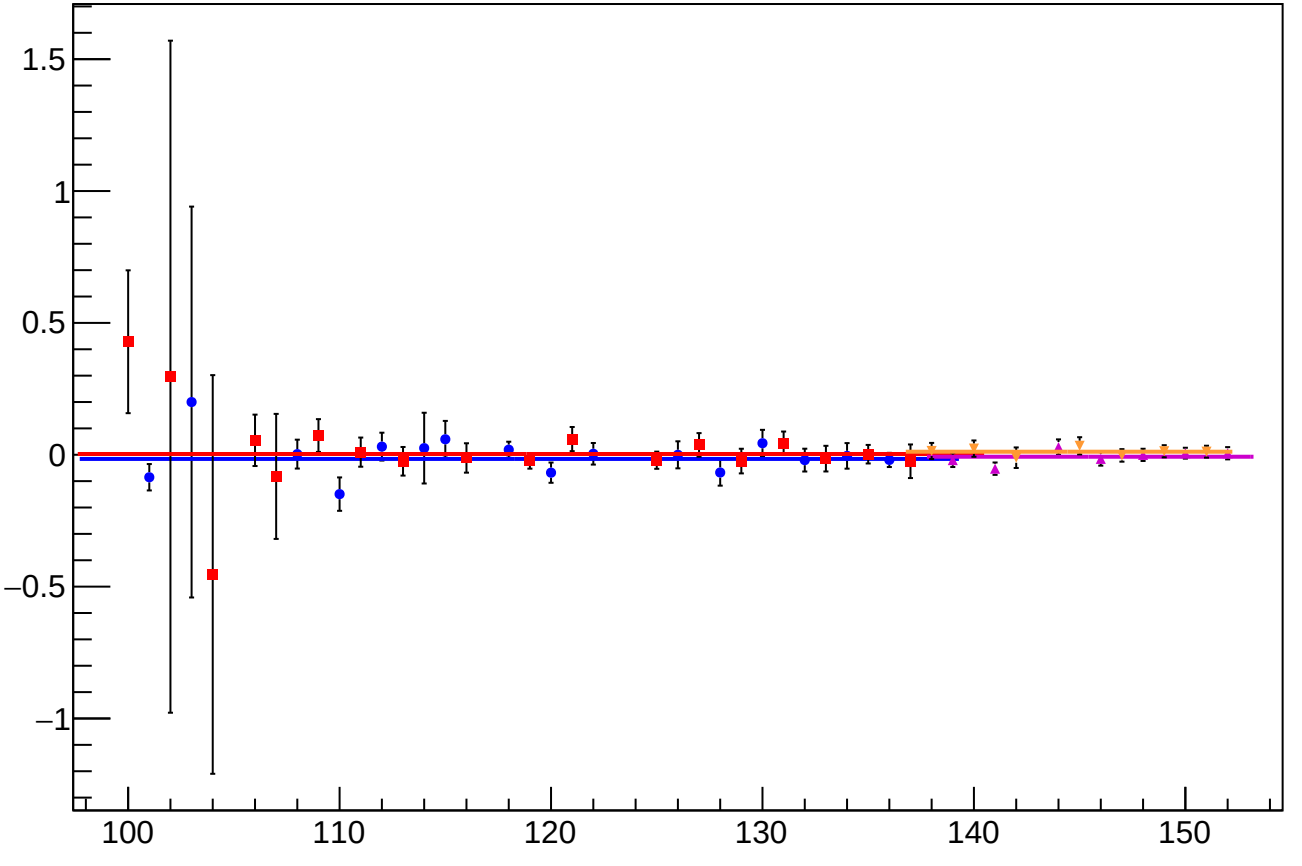
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:6934438.8/22

Out: 0.001+/-0.000 χ^2/NDF:8224564.8/24

All: 0.001+/-0.000 χ^2/NDF: 15159029.2/47

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: -0.007+/-0.009 χ^2/NDF:6.5/6

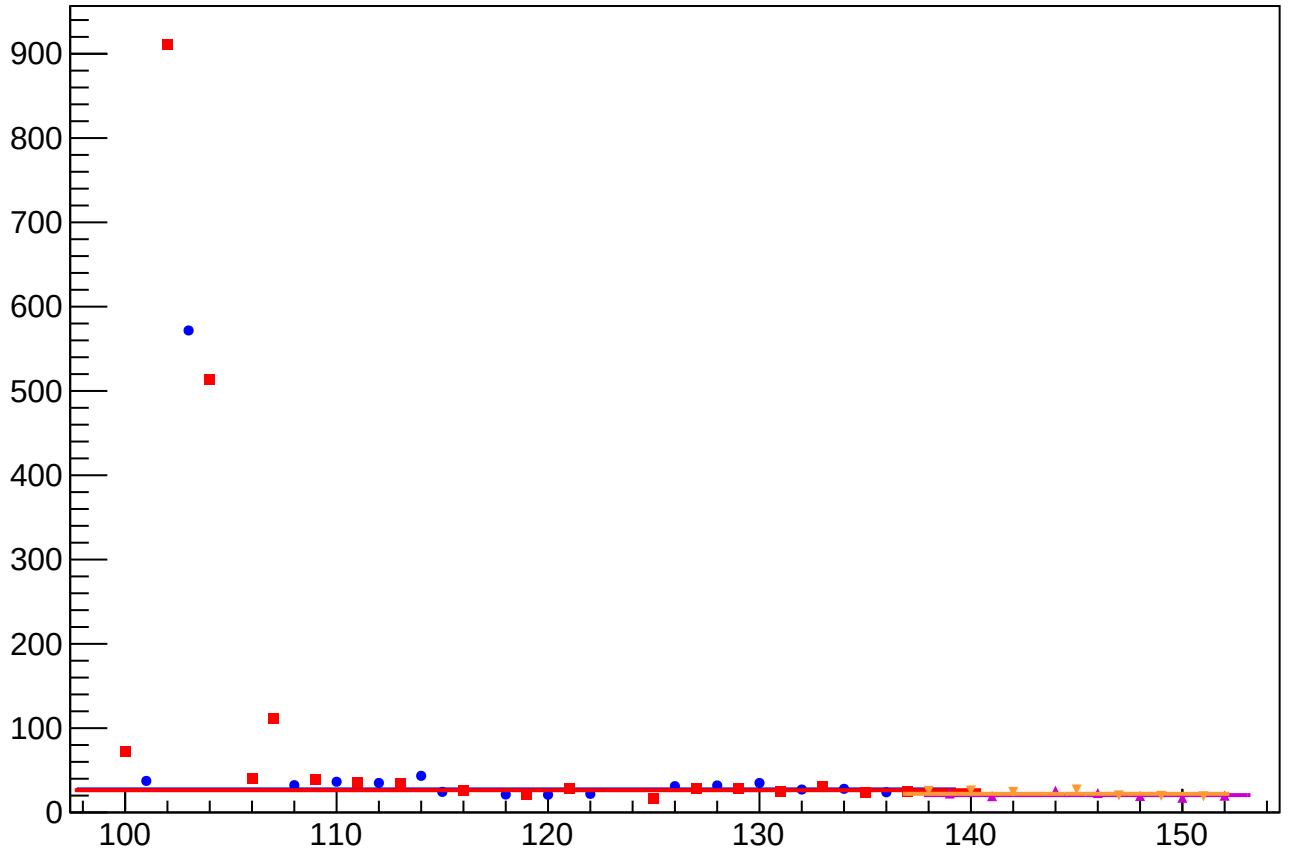
Left: 0.001+/-0.007 χ^2/NDF: 9.7/13

Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.011+/-0.007 χ^2/NDF:21.4/22

Out: 0.008+/-0.008 χ^2/NDF:11.5/24

All: -0.002+/-0.005 χ^2/NDF: 36.0/47



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: 20.580+/-0.006 χ^2/NDF:151426.1/6

Left: 21.262+/-0.005 χ^2/NDF: 359165.1/13

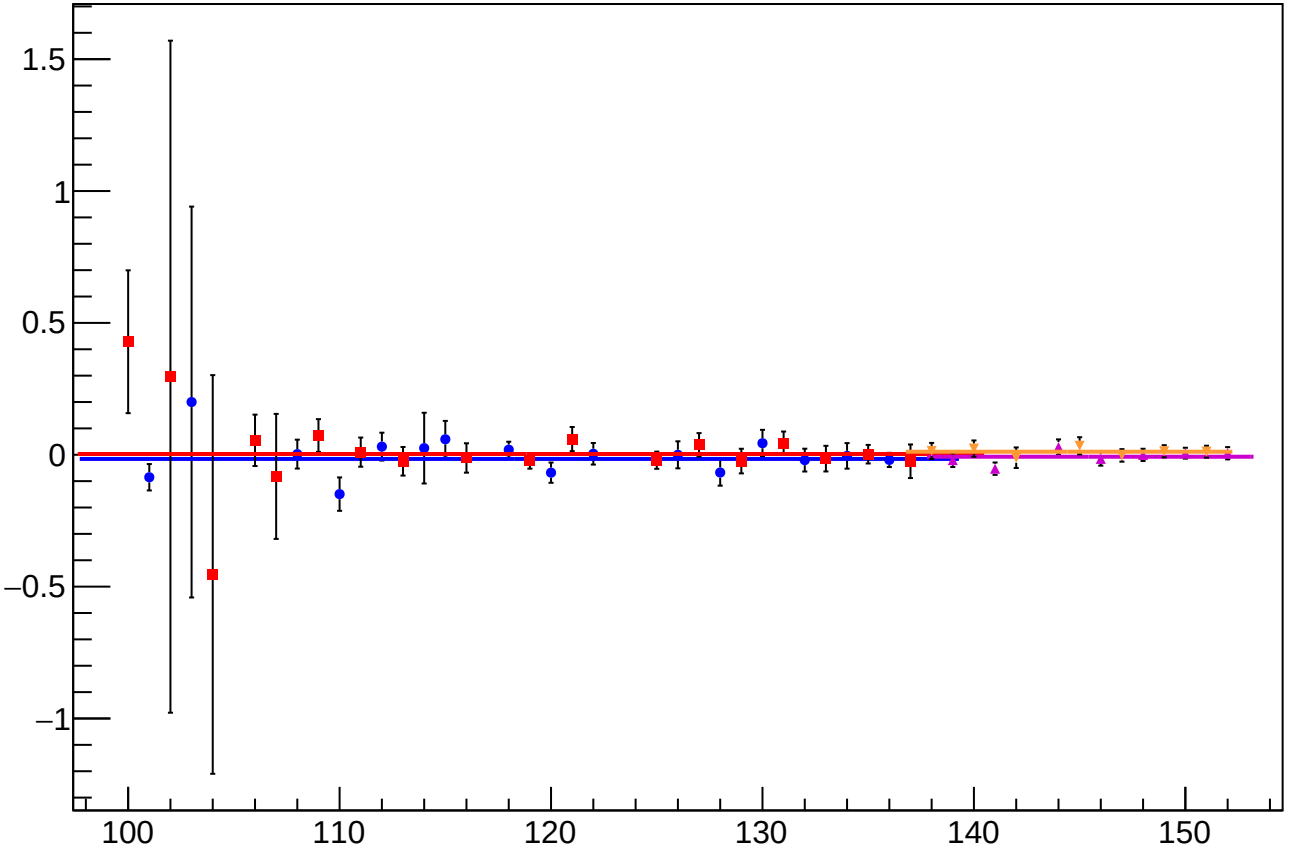
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 23.160+/-0.005 χ^2/NDF:2137018.0/22

Out: 23.955+/-0.006 χ^2/NDF:2940945.8/24

All: 23.521+/-0.004 χ^2/NDF: 5089171.7/47

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: -0.007+/-0.009 χ^2/NDF:6.5/6

Left: 0.001+/-0.007 χ^2/NDF: 9.7/13

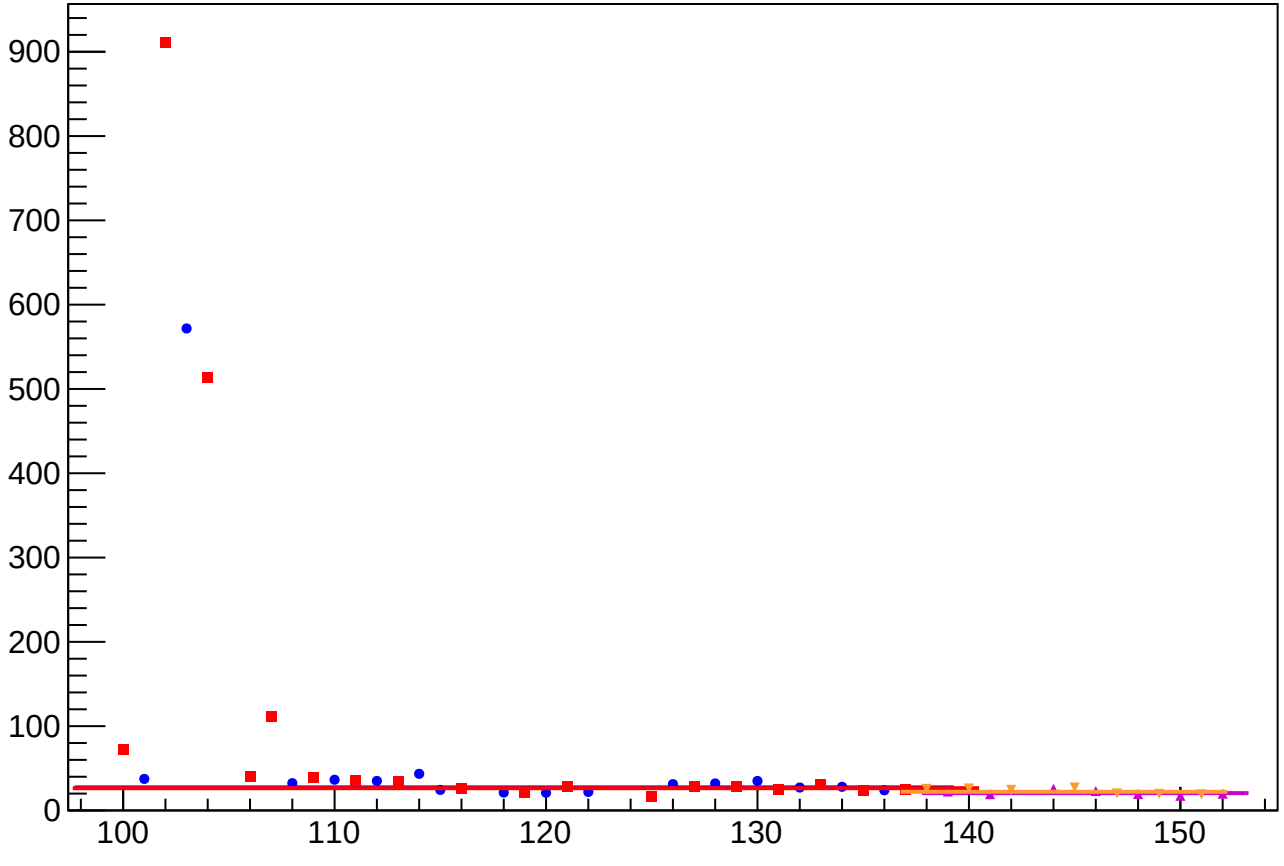
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.011+/-0.007 χ^2/NDF:21.4/22

Out: 0.008+/-0.008 χ^2/NDF:11.5/24

All: -0.002+/-0.005 χ^2/NDF: 36.0/47

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: 20.580+/-0.006 χ^2/NDF:151426.1/6

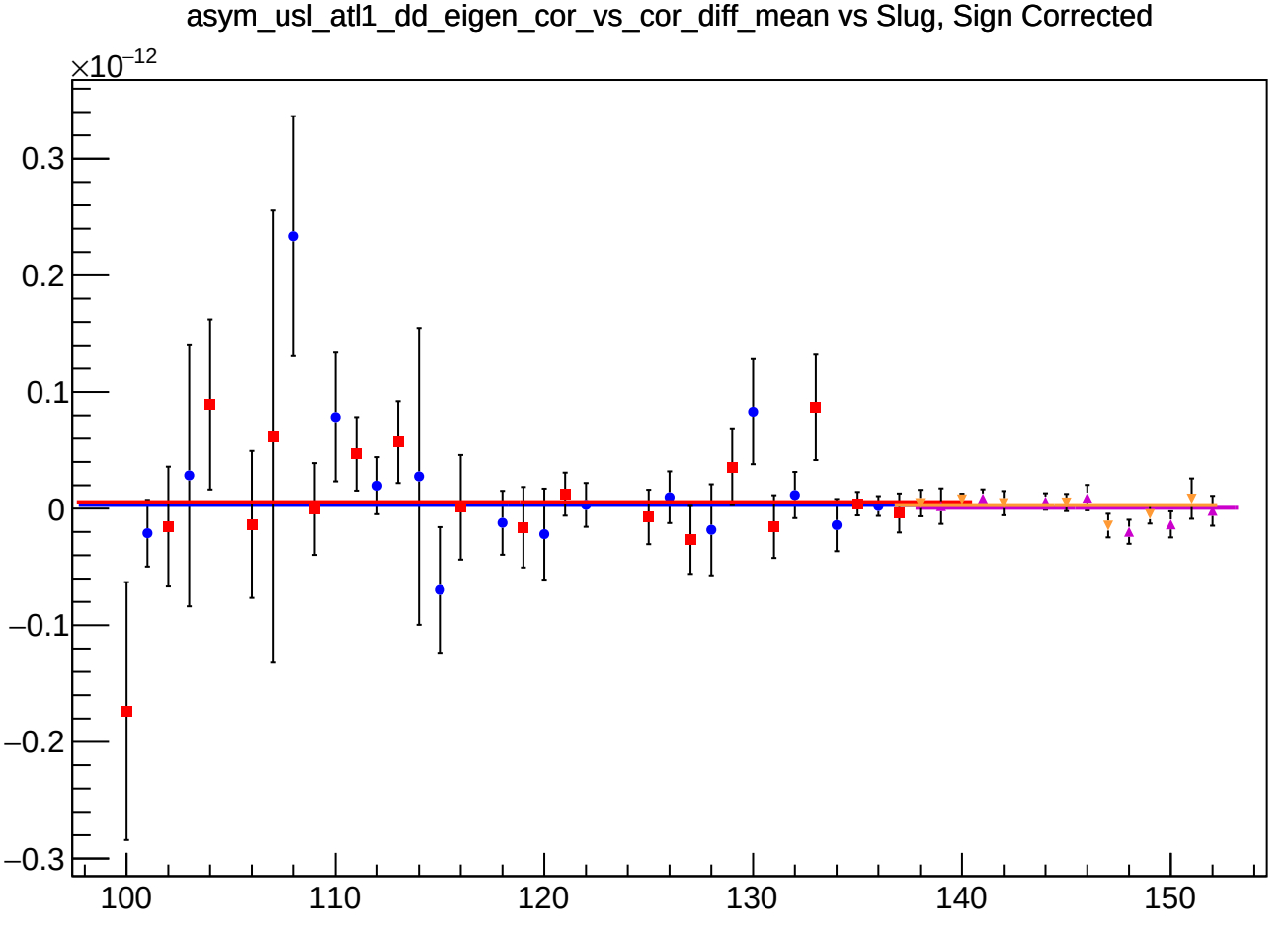
Left: 21.262+/-0.005 χ^2/NDF: 359165.1/13

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 23.160+/-0.005 χ^2/NDF:2137018.0/22

Out: 23.955+/-0.006 χ^2/NDF:2940945.8/24

All: 23.521+/-0.004 χ^2/NDF: 5089171.7/47



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:7.9/6

Left: 0.000+/-0.000 χ^2/NDF: 13.3/13

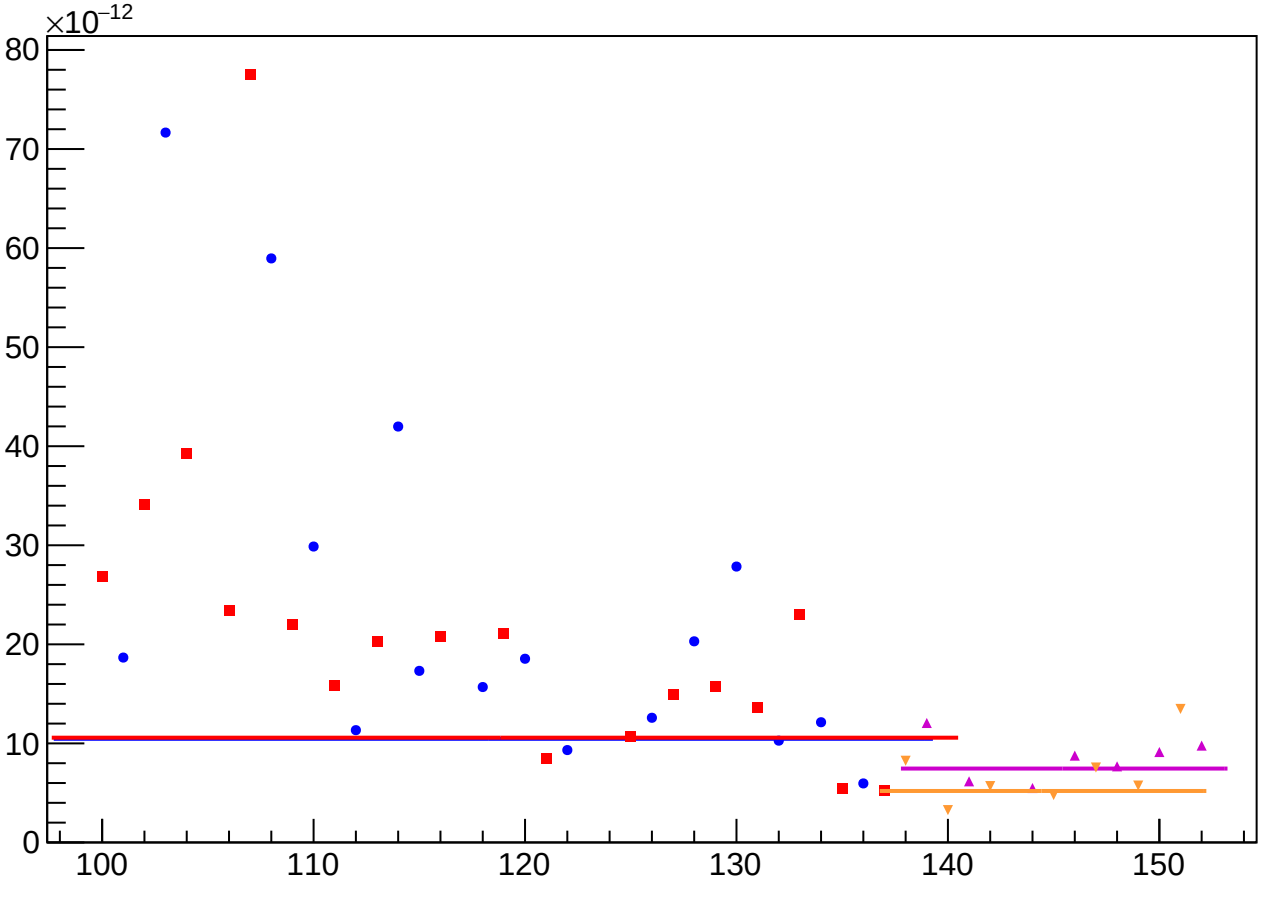
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:23.1/22

Out: 0.000+/-0.000 χ^2/NDF:20.5/24

All: 0.000+/-0.000 χ^2/NDF: 43.9/47

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:532360.4/6

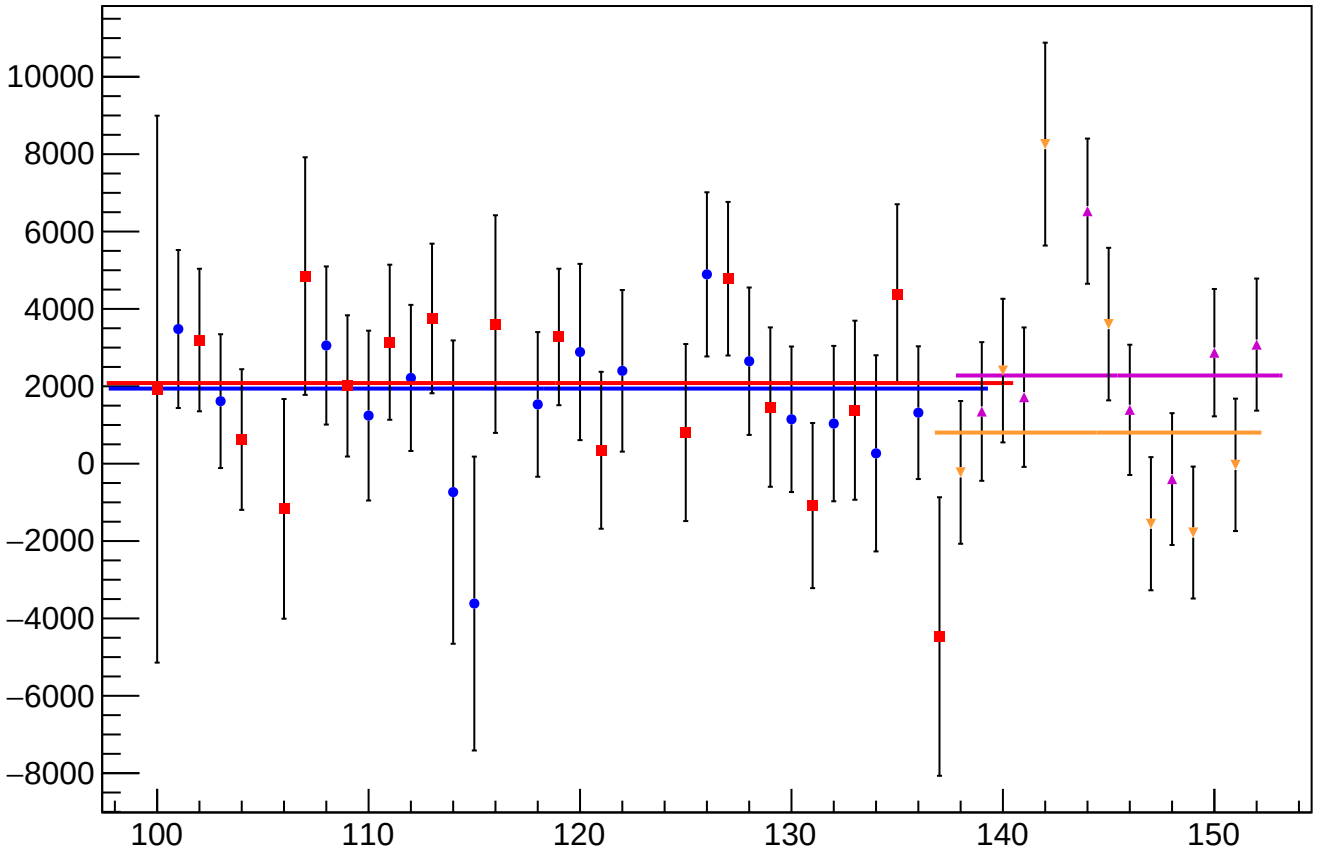
Left: 0.000+/-0.000 χ^2/NDF: 2014774.0/13

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:3714066.7/22

Out: 0.000+/-0.000 χ^2/NDF:5056898.1/24

All: 0.000+/-0.000 χ^2/NDF: 9257189.7/47



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 803.741+/-705.396 χ^2/NDF:15.6/6

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2279.261+/-657.547 χ^2/NDF:8.6/6

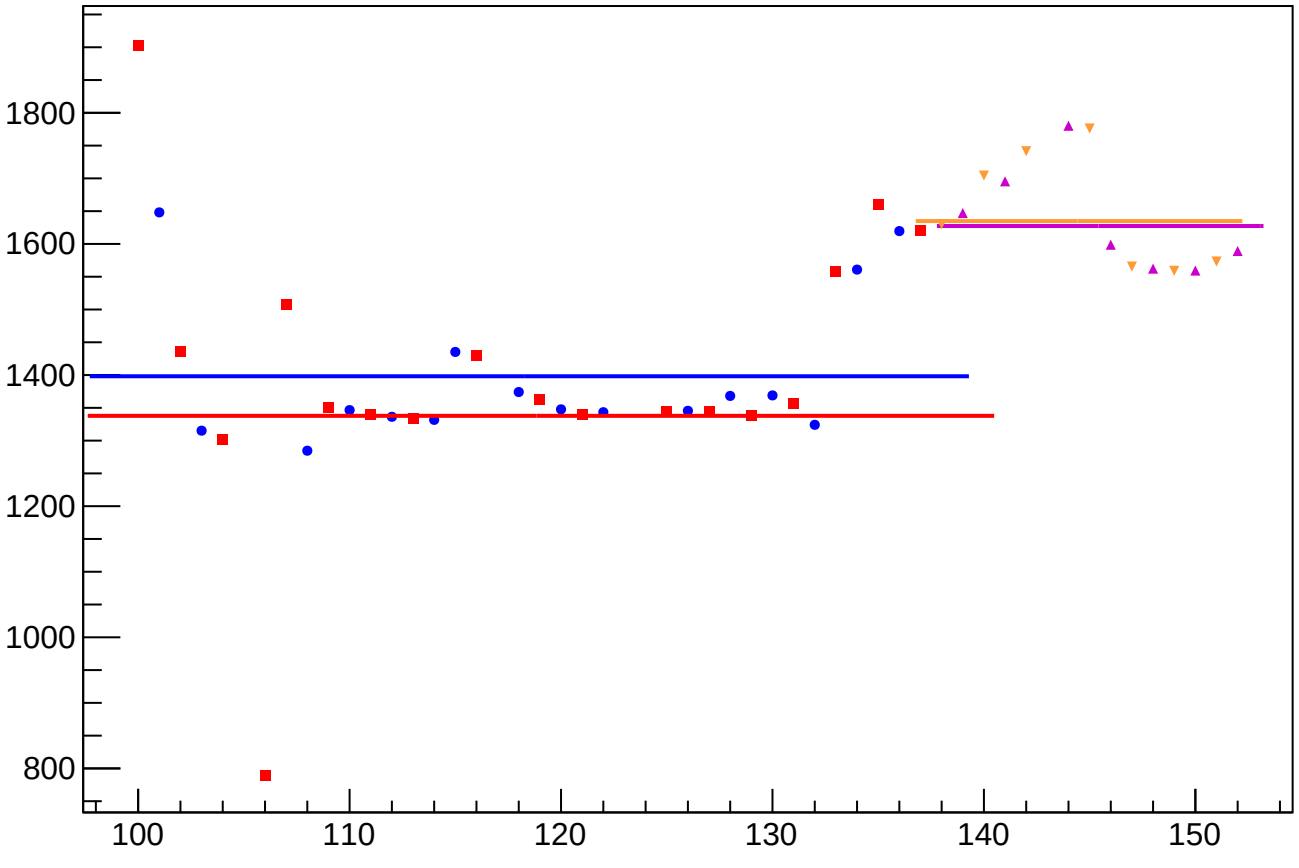
Left: 1593.239+/-480.983 χ^2/NDF: 26.5/13

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2071.805+/-408.919 χ^2/NDF:15.7/22

Out: 1633.669+/-418.345 χ^2/NDF:32.2/24

All: 1857.729+/-292.425 χ^2/NDF: 48.4/47



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: 1627.346+/-0.465 χ^2/NDF:24282.5/6

Left: 1630.849+/-0.340 χ^2/NDF: 50588.3/13

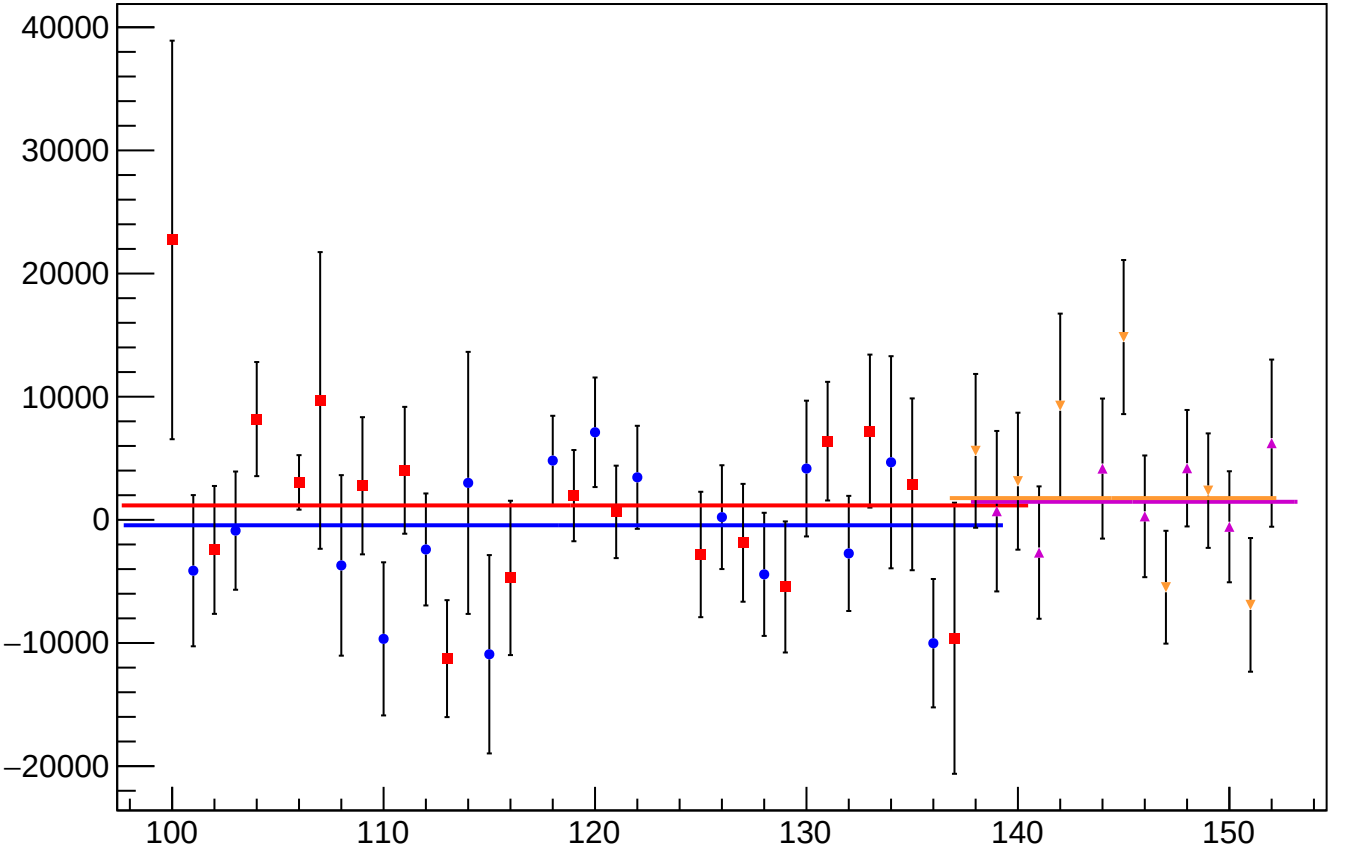
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1486.796+/-0.289 χ^2/NDF:267209.0/22

Out: 1438.039+/-0.290 χ^2/NDF:578979.6/24

All: 1462.465+/-0.205 χ^2/NDF: 860377.8/47

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: 1465.636+/-2017.515 χ^2/NDF:1.9/6

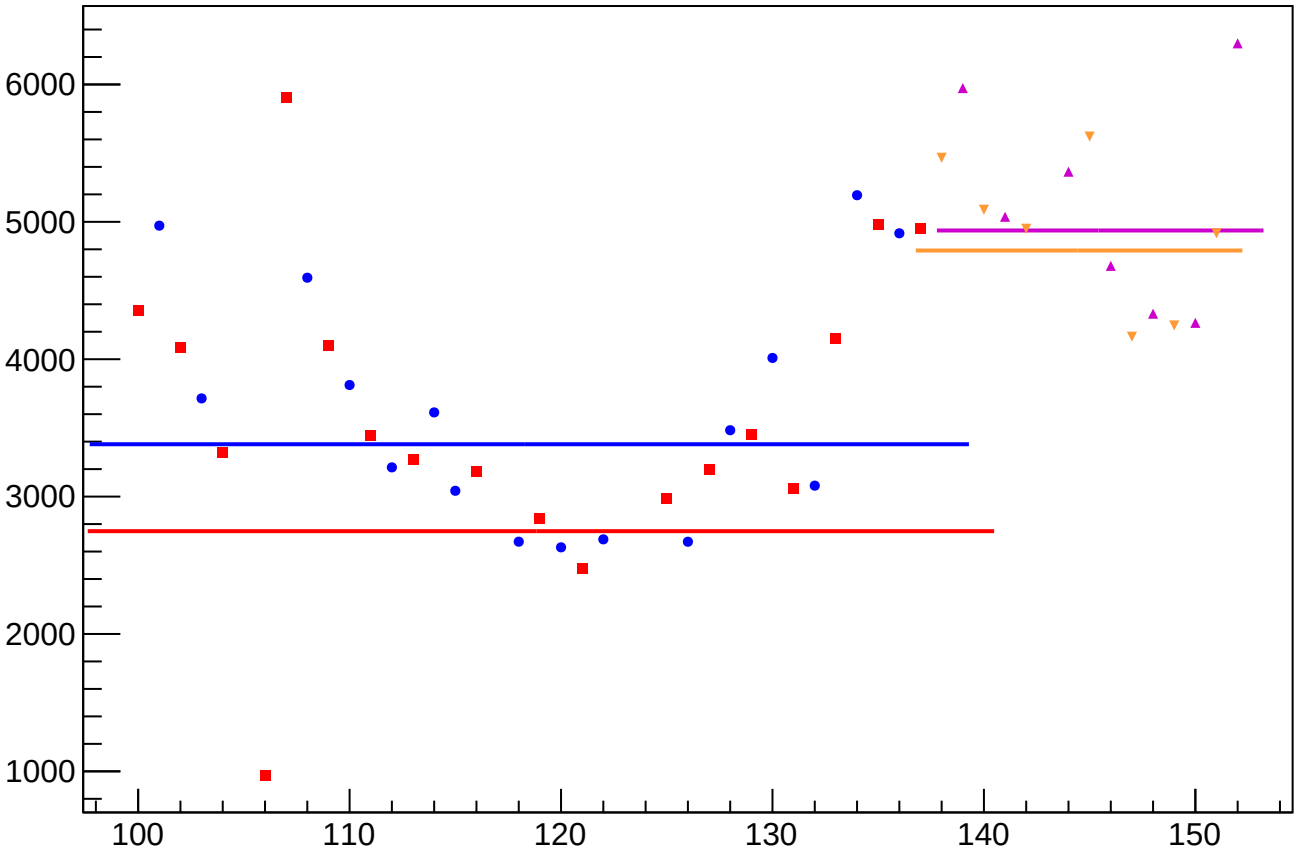
Left: 1610.601+/-1451.013 χ^2/NDF: 12.8/13

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: 115.795+/-1090.357 χ^2/NDF:18.4/22

Out: 1304.294+/-986.944 χ^2/NDF:30.6/24

All: 769.065+/-731.710 χ^2/NDF: 49.7/47



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: 4937.120+/-1.427 χ^2/NDF:225931.4/6

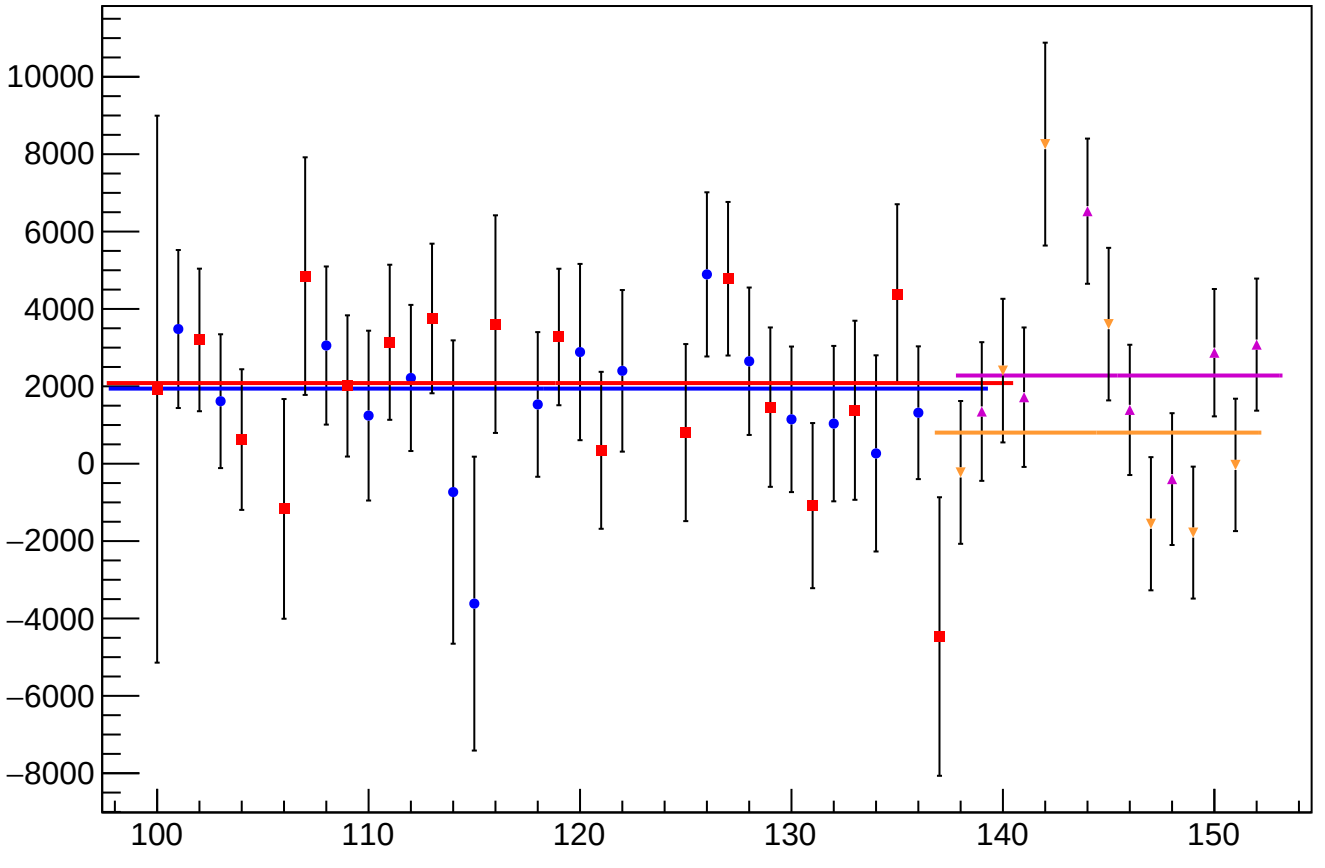
Left: 4866.776+/-1.026 χ^2/NDF: 362246.5/13

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 3835.596+/-0.771 χ^2/NDF:1825249.6/22

Out: 3204.650+/-0.698 χ^2/NDF:3882407.5/24

All: 3488.791+/-0.517 χ^2/NDF: 6075761.7/47



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: 2279.397+/-657.547 χ^2/NDF:8.6/6

Left: 1593.316+/-480.983 χ^2/NDF: 26.5/13

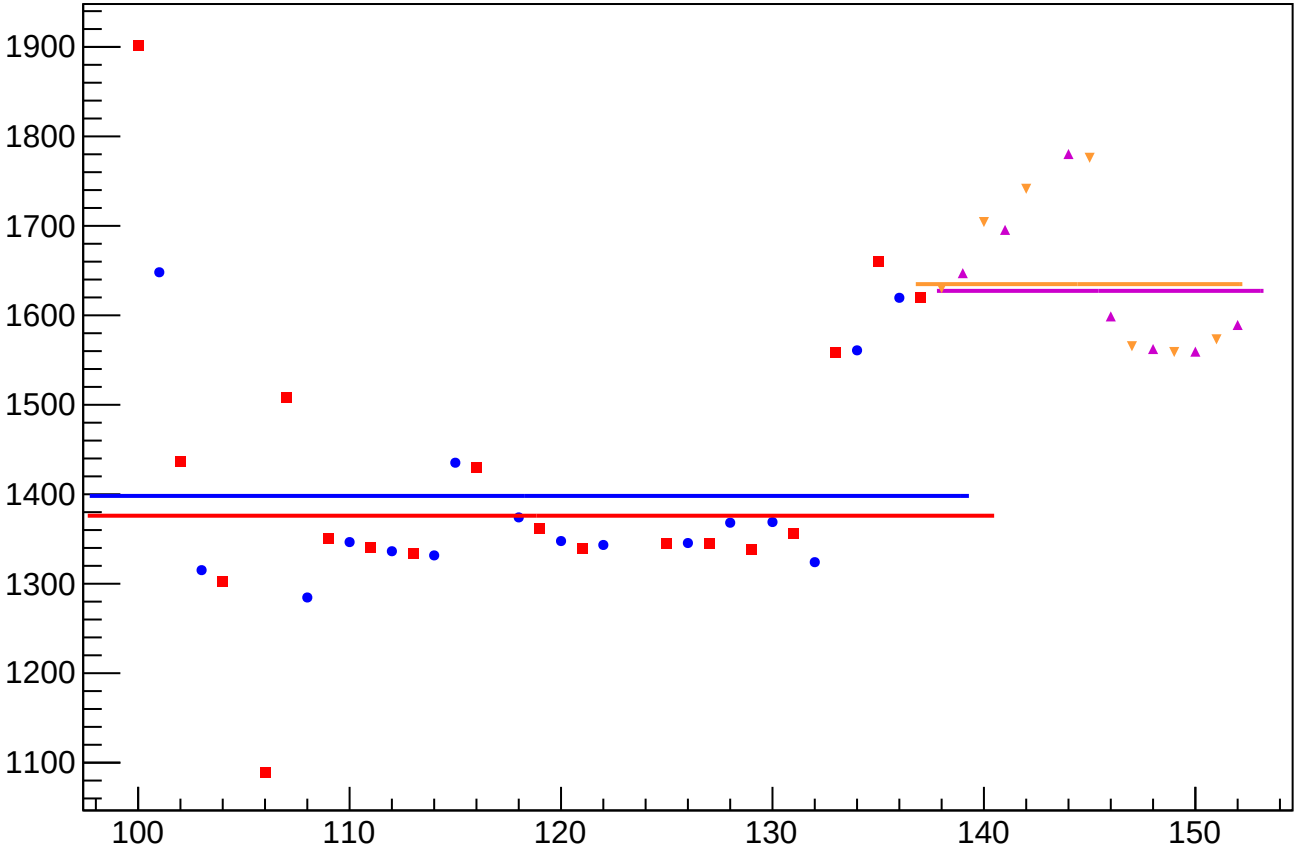
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2071.891+/-408.919 χ^2/NDF:15.7/22

Out: 1633.808+/-418.347 χ^2/NDF:32.2/24

All: 1857.842+/-292.426 χ^2/NDF: 48.4/47

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



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: 1627.346+/-0.465 χ^2/NDF:24282.5/6

Left: 1630.849+/-0.340 χ^2/NDF: 50588.3/13

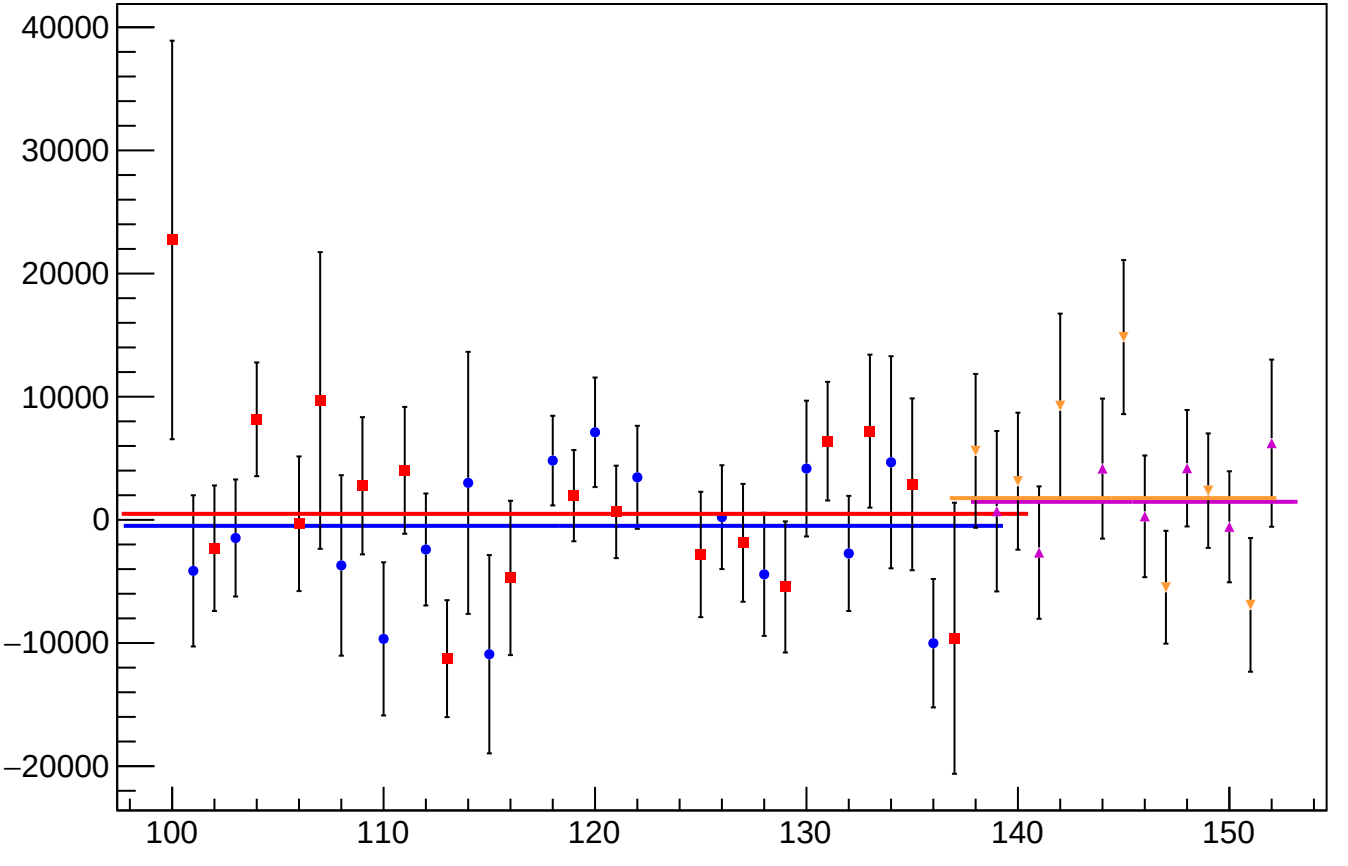
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1486.796+/-0.289 χ^2/NDF:267209.1/22

Out: 1465.496+/-0.293 χ^2/NDF:316456.6/24

All: 1476.296+/-0.206 χ^2/NDF: 586340.7/47

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: 1465.721+/-2017.512 χ^2/NDF:1.9/6

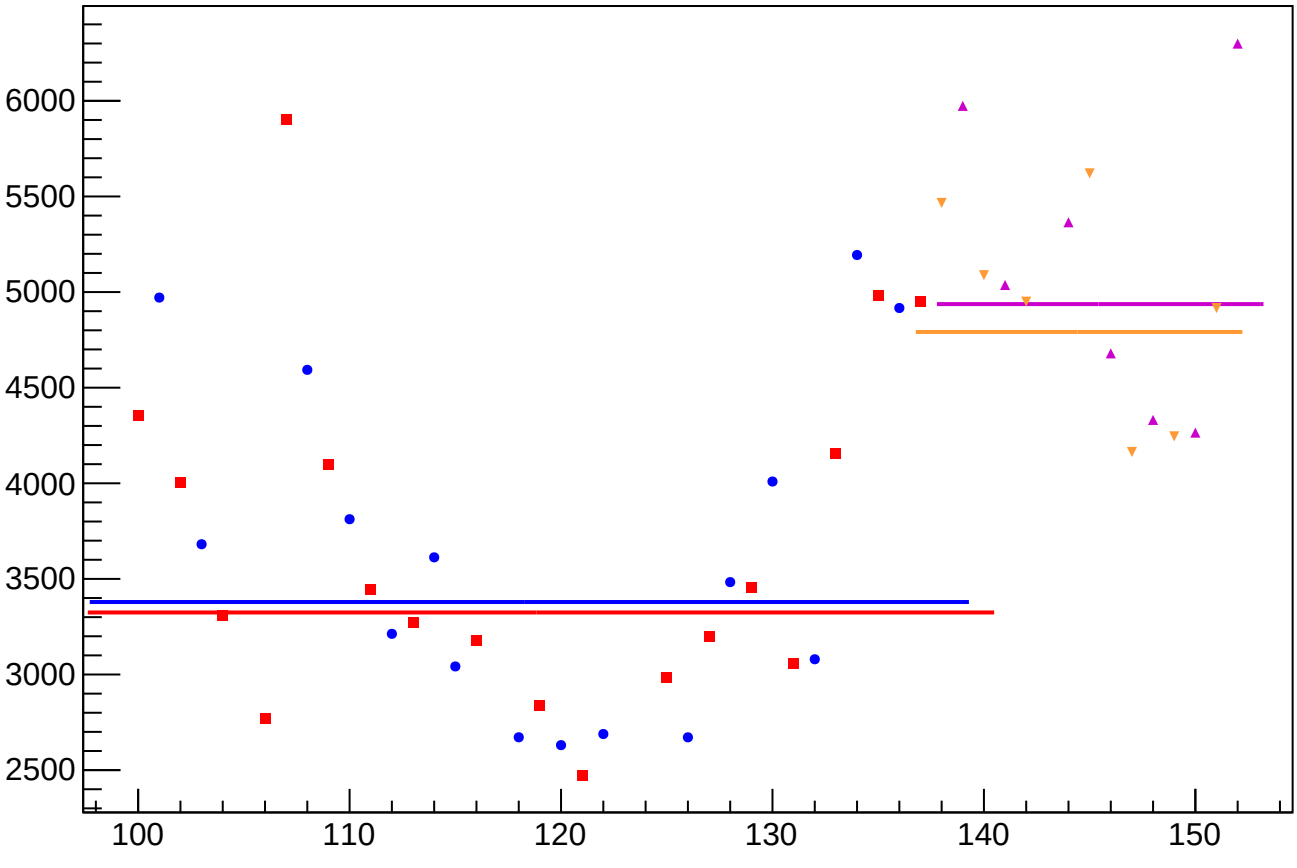
Left: 1610.641+/-1451.012 χ^2/NDF: 12.8/13

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 83.050+/-1089.769 χ^2/NDF:18.5/22

Out: 829.992+/-1079.678 χ^2/NDF:29.9/24

All: 459.995+/-766.990 χ^2/NDF: 48.6/47



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: 4937.114+/-1.427 χ^2/NDF:225932.6/6

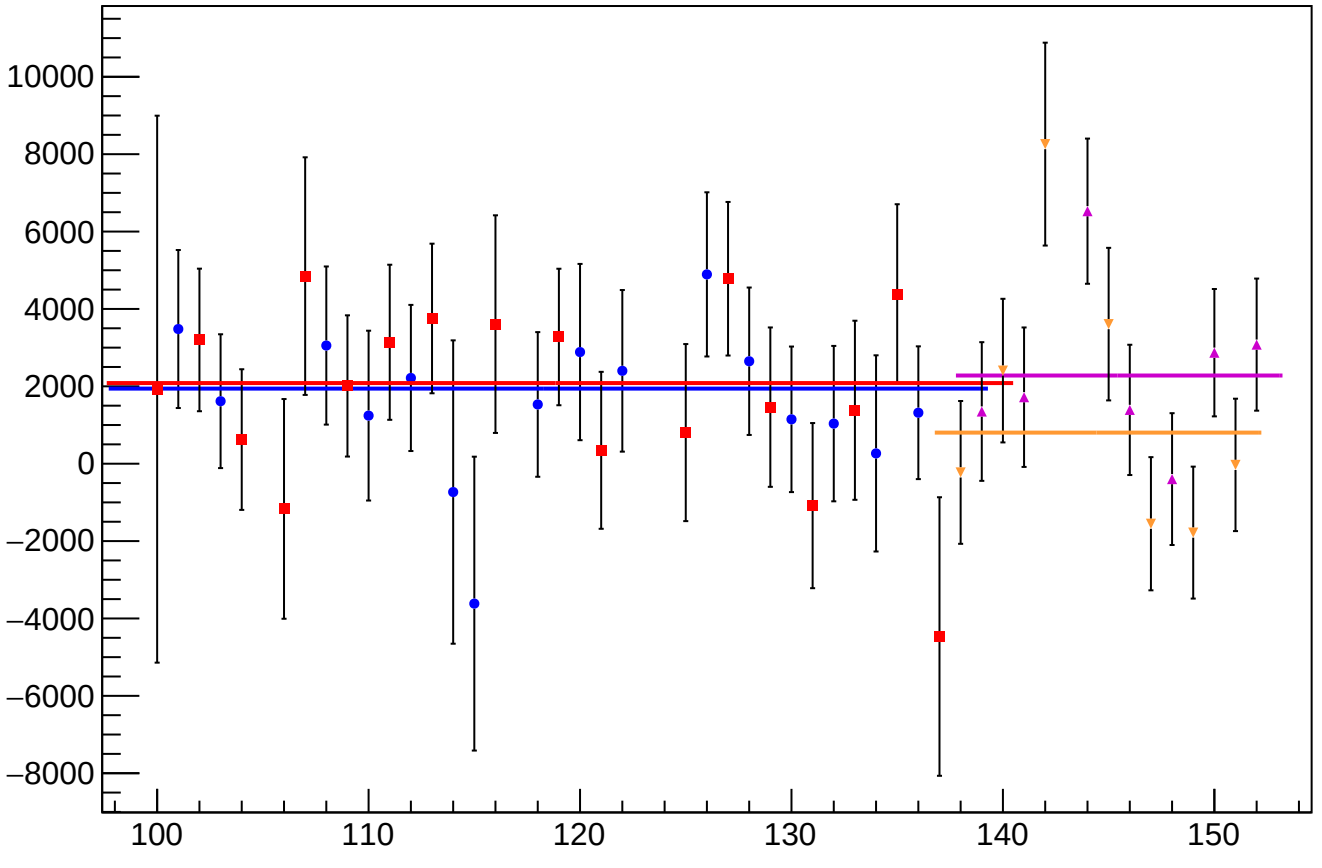
Left: 4866.774+/-1.026 χ^2/NDF: 362246.9/13

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3833.685+/-0.771 χ^2/NDF:1825988.3/22

Out: 3716.530+/-0.763 χ^2/NDF:1398151.5/24

All: 3774.562+/-0.542 χ^2/NDF: 3235804.5/47



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: 2279.397+/-657.547 χ^2/NDF:8.6/6

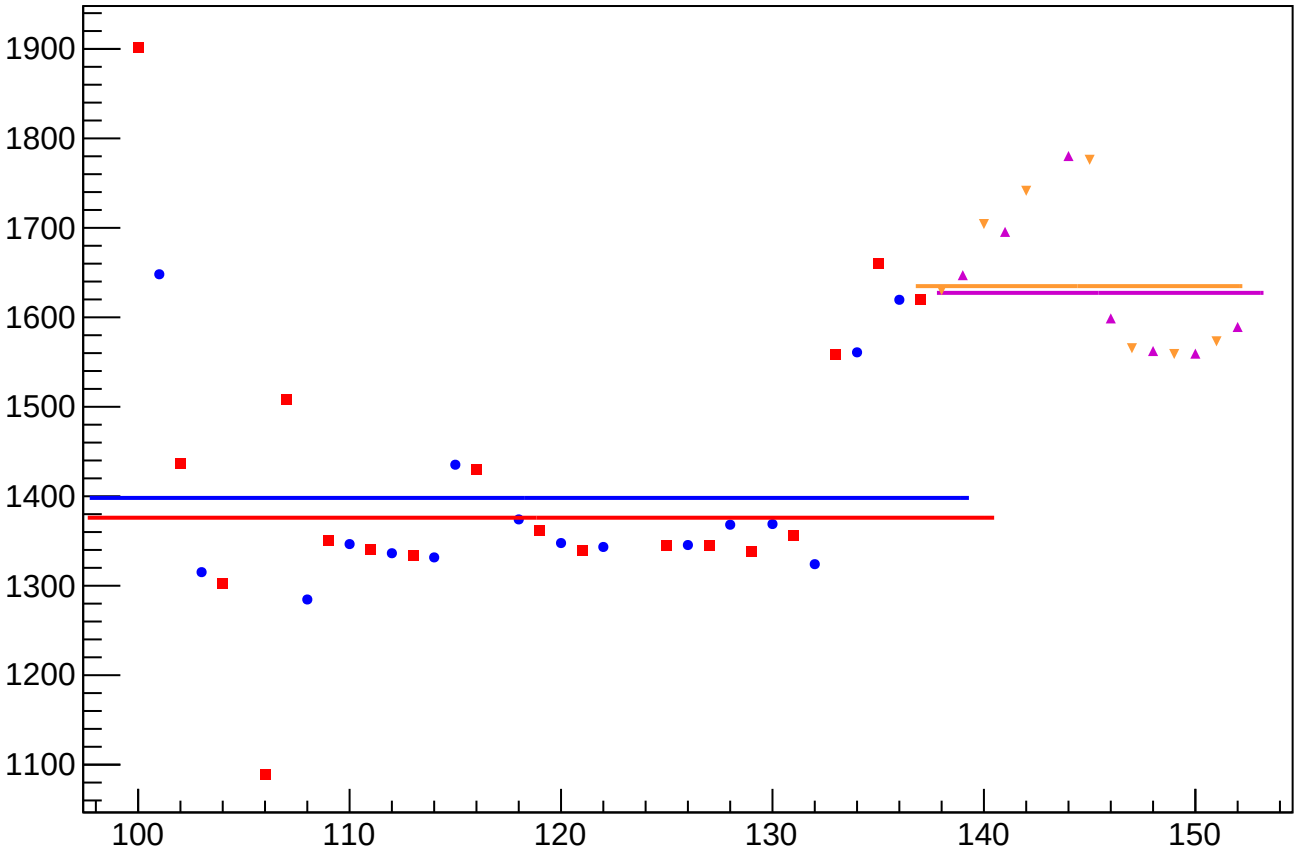
Left: 1593.316+/-480.983 χ^2/NDF: 26.5/13

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2071.891+/-408.919 χ^2/NDF:15.7/22

Out: 1633.808+/-418.347 χ^2/NDF:32.2/24

All: 1857.842+/-292.426 χ^2/NDF: 48.4/47



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: 1627.346+/-0.465 χ^2/NDF:24282.5/6

Left: 1630.849+/-0.340 χ^2/NDF: 50588.3/13

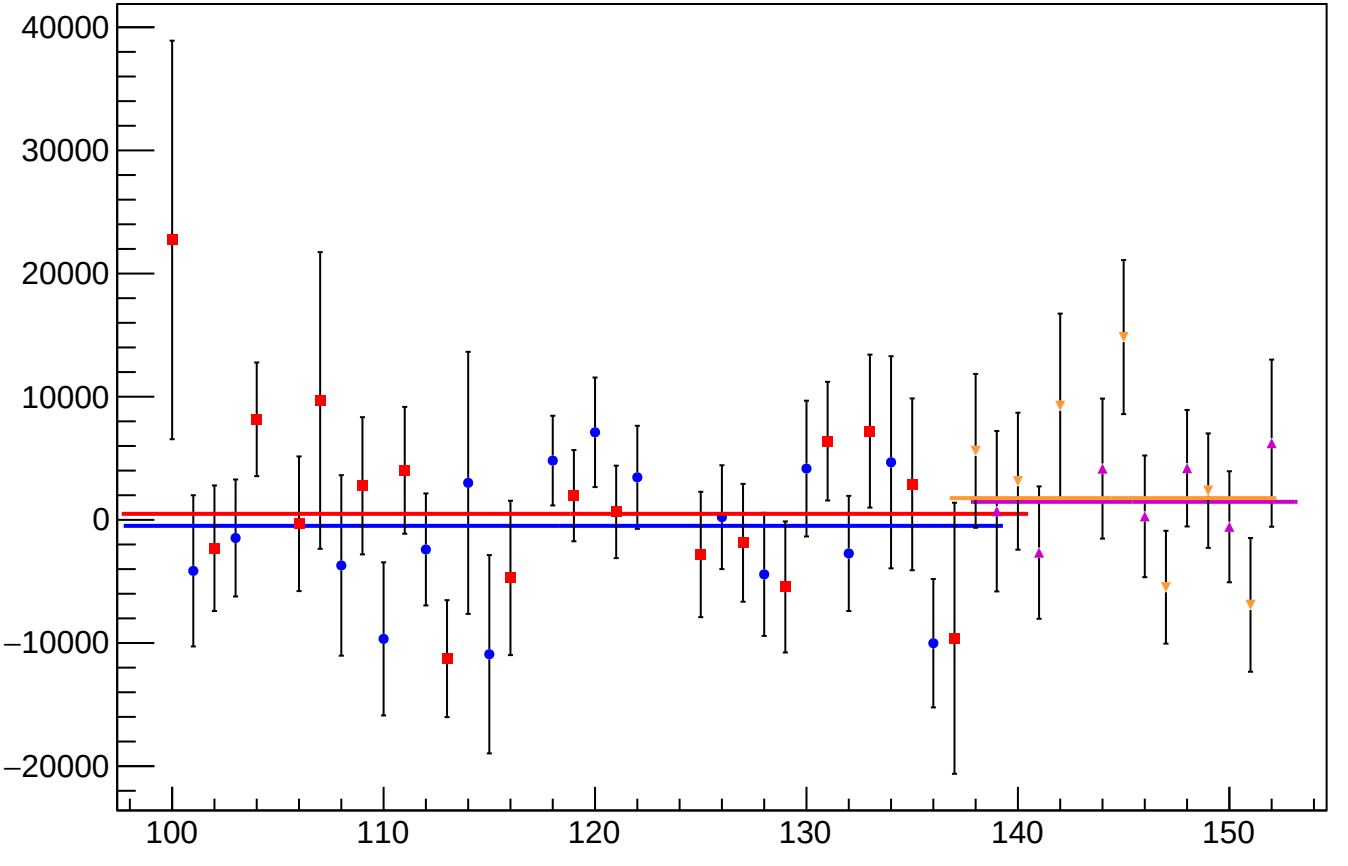
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1486.796+/-0.289 χ^2/NDF:267209.1/22

Out: 1465.496+/-0.293 χ^2/NDF:316456.6/24

All: 1476.296+/-0.206 χ^2/NDF: 586340.7/47

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: 1465.721+/-2017.512 χ^2/NDF:1.9/6

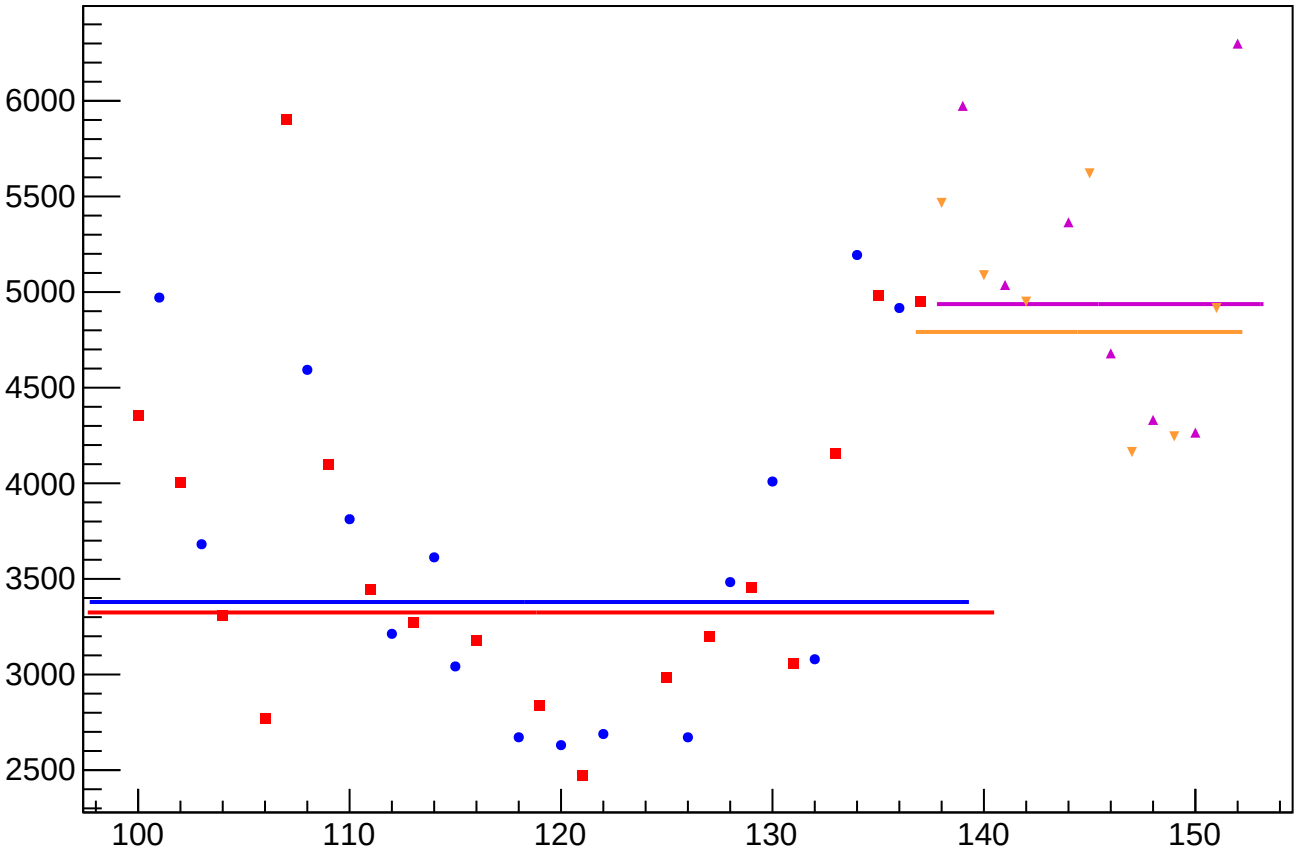
Left: 1610.641+/-1451.012 χ^2/NDF: 12.8/13

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 83.050+/-1089.769 χ^2/NDF:18.5/22

Out: 829.992+/-1079.678 χ^2/NDF:29.9/24

All: 459.995+/-766.990 χ^2/NDF: 48.6/47



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: 4937.114+/-1.427 χ^2/NDF:225932.6/6

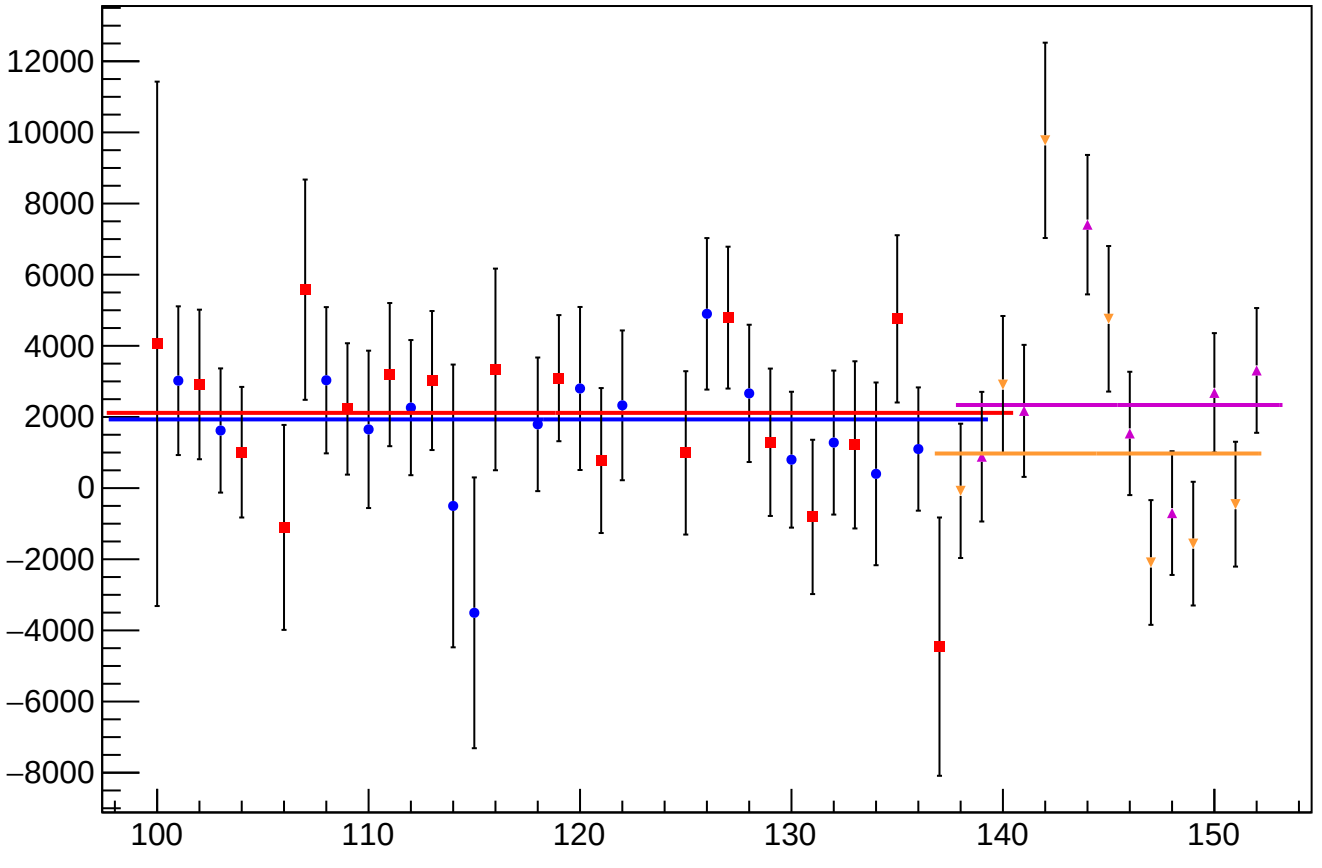
Left: 4866.774+/-1.026 χ^2/NDF: 362246.9/13

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3833.685+/-0.771 χ^2/NDF:1825988.3/22

Out: 3716.530+/-0.763 χ^2/NDF:1398151.5/24

All: 3774.562+/-0.542 χ^2/NDF: 3235804.5/47



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: 2336.559+/-674.978 χ^2/NDF:10.9/6

Left: 1703.561+/-494.088 χ^2/NDF: 33.7/13

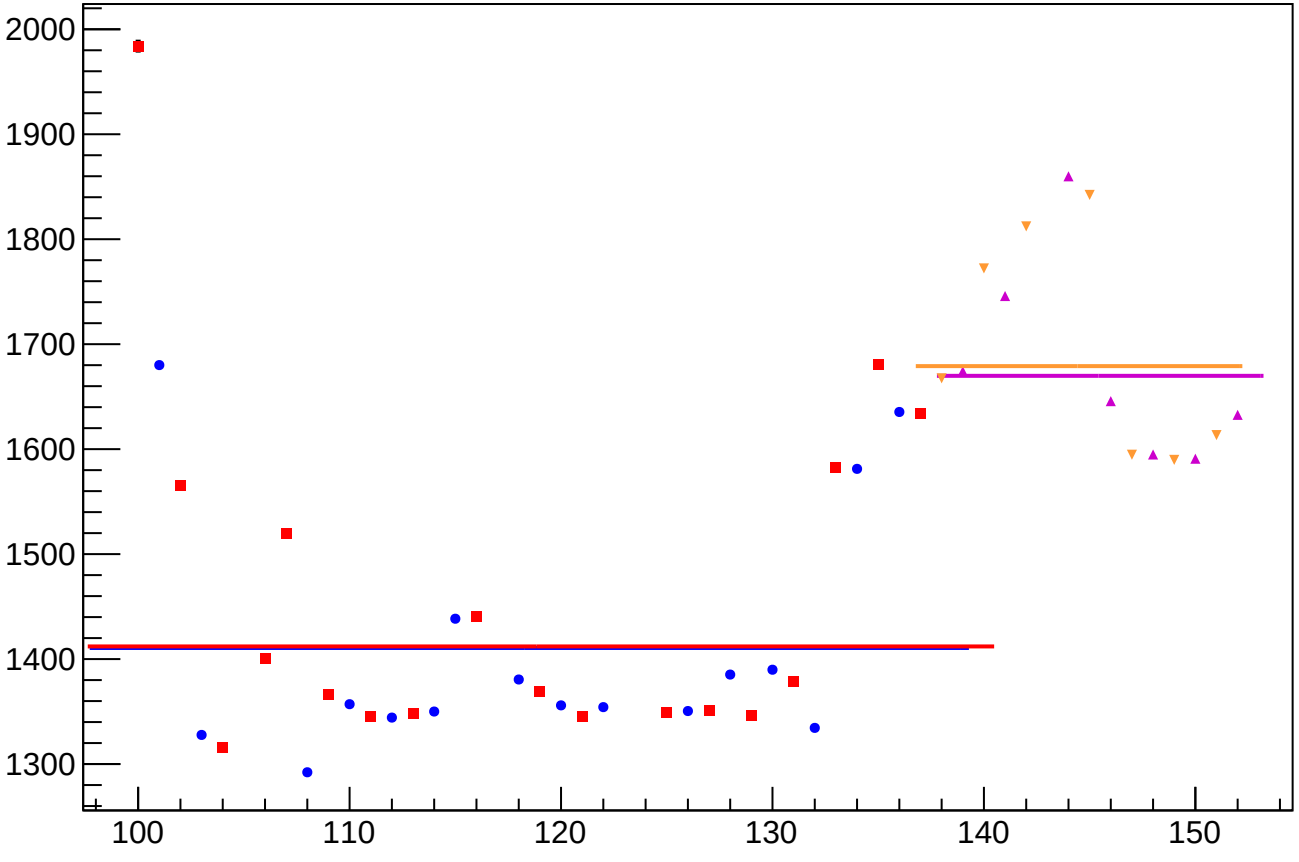
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2084.978+/-415.453 χ^2/NDF:17.5/22

Out: 1718.653+/-427.276 χ^2/NDF:35.7/24

All: 1906.954+/-297.862 χ^2/NDF: 53.6/47

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



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: 1669.846+/-0.477 χ^2/NDF:31589.8/6

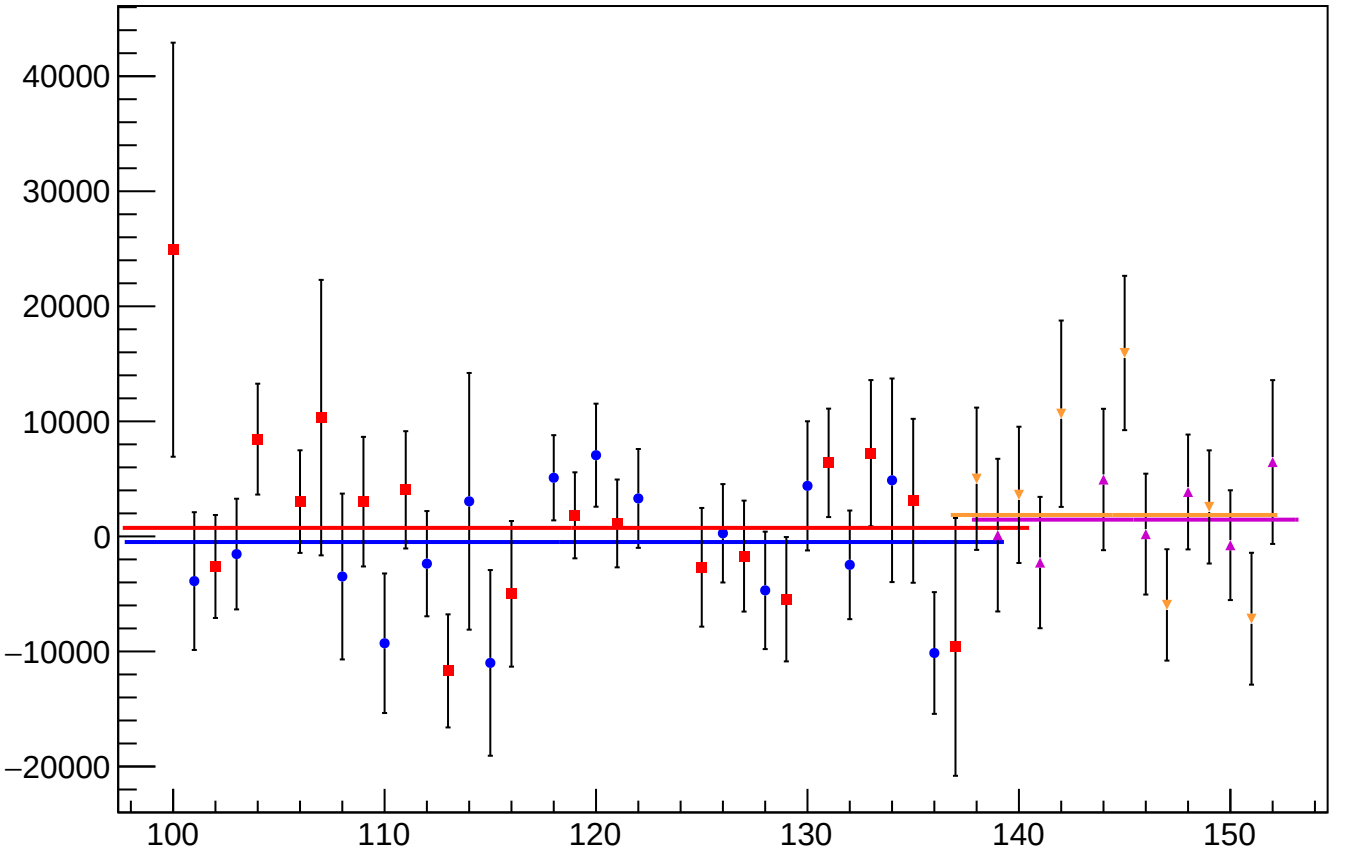
Left: 1674.139+/-0.349 χ^2/NDF: 66621.4/13

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1508.812+/-0.294 χ^2/NDF:314008.9/22

Out: 1504.423+/-0.302 χ^2/NDF:301941.3/24

All: 1506.675+/-0.210 χ^2/NDF: 616058.8/47



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: 1455.354+/-2132.550 χ^2/NDF:1.8/6

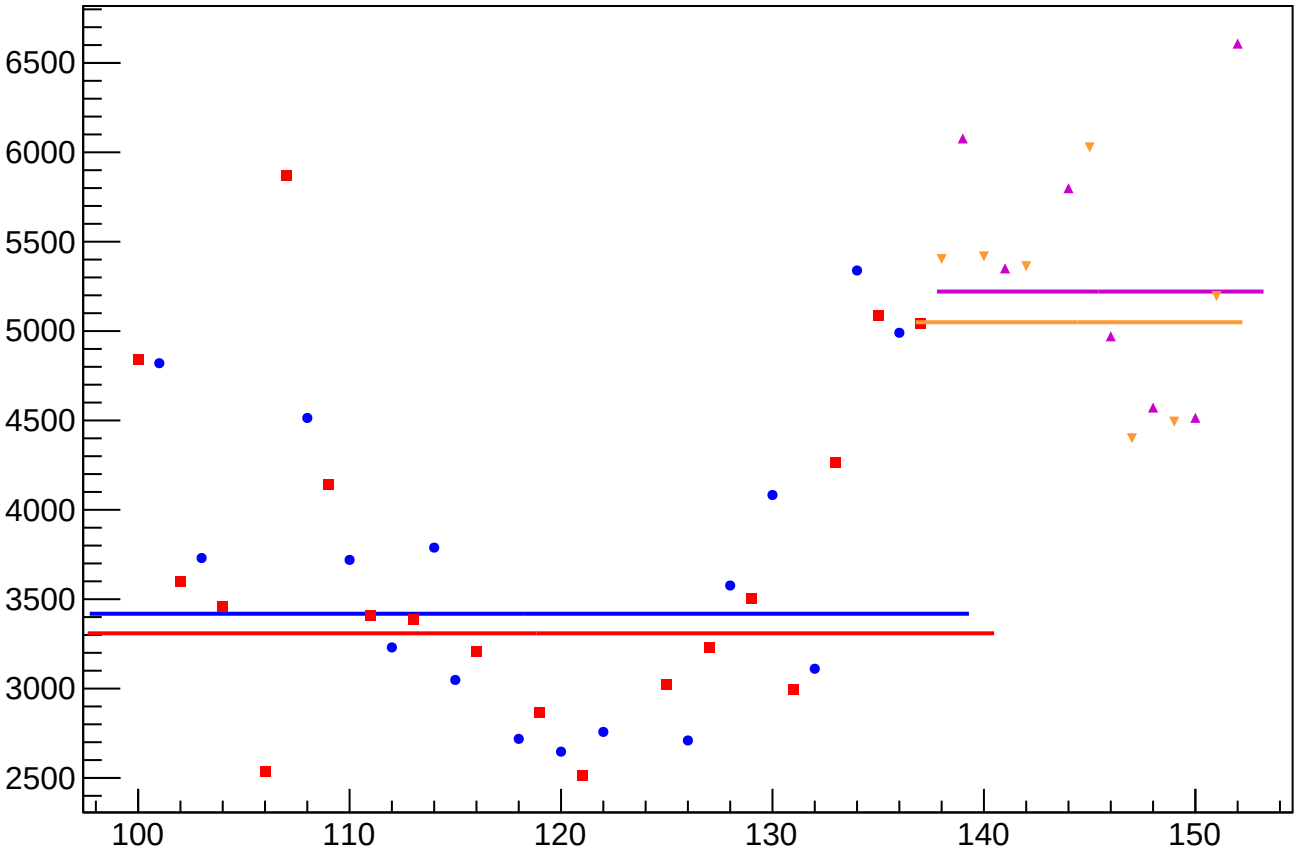
Left: 1653.062+/-1531.285 χ^2/NDF: 12.8/13

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: 42.626+/-1115.409 χ^2/NDF:18.2/22

Out: 1013.923+/-1085.490 χ^2/NDF:30.4/24

All: 541.476+/-777.920 χ^2/NDF: 49.0/47



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: 5221.085+/-1.508 χ^2/NDF:210163.0/6

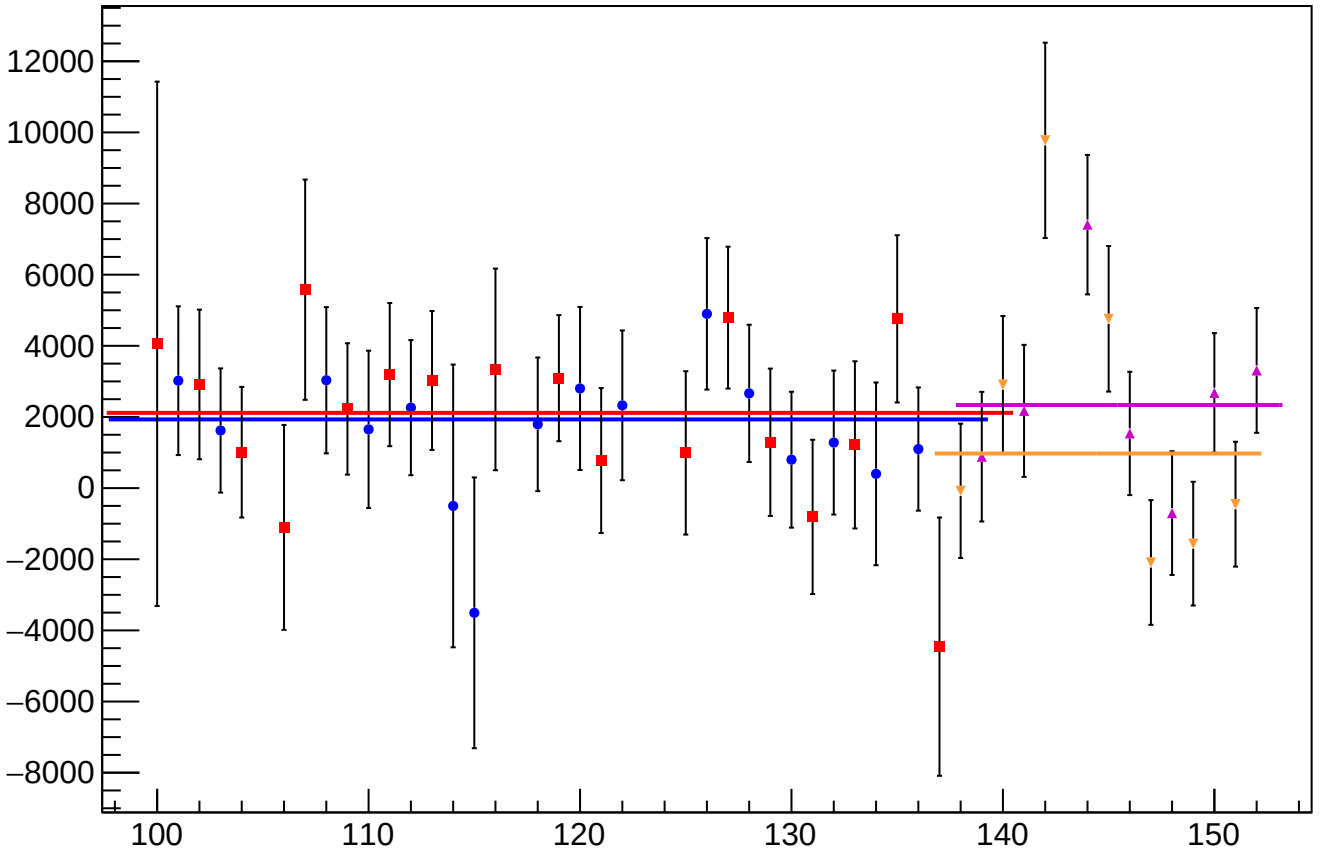
Left: 5137.927+/-1.083 χ^2/NDF: 339069.5/13

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 3911.780+/-0.789 χ^2/NDF:1969192.1/22

Out: 3732.723+/-0.768 χ^2/NDF:1641305.5/24

All: 3819.818+/-0.550 χ^2/NDF: 3636968.1/47



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: 2336.562+/-674.979 χ^2/NDF:10.9/6

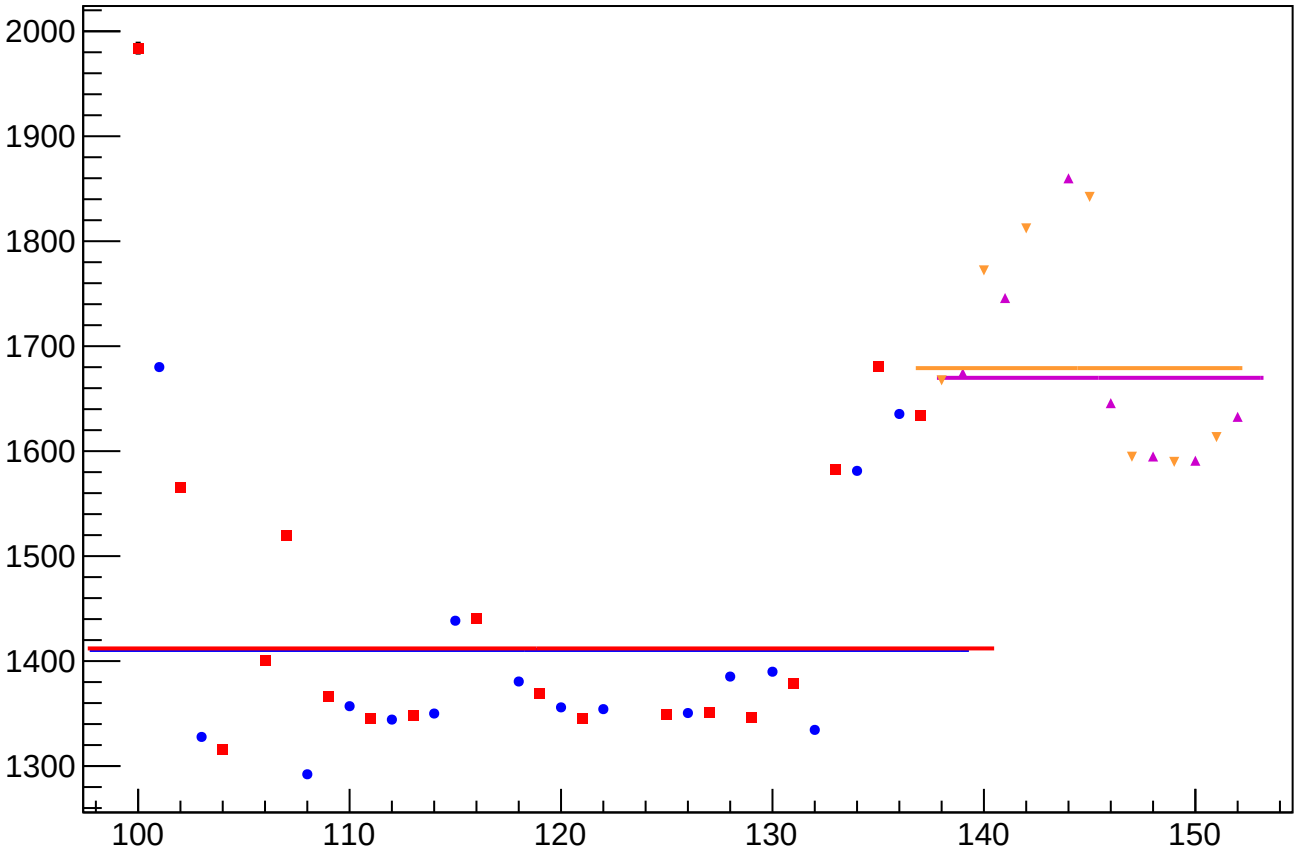
Left: 1703.564+/-494.088 χ^2/NDF: 33.7/13

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2084.980+/-415.453 χ^2/NDF:17.5/22

Out: 1718.655+/-427.276 χ^2/NDF:35.7/24

All: 1906.956+/-297.862 χ^2/NDF: 53.6/47



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: 1669.847+/-0.477 χ^2/NDF:31590.2/6

Left: 1674.140+/-0.349 χ^2/NDF: 66622.6/13

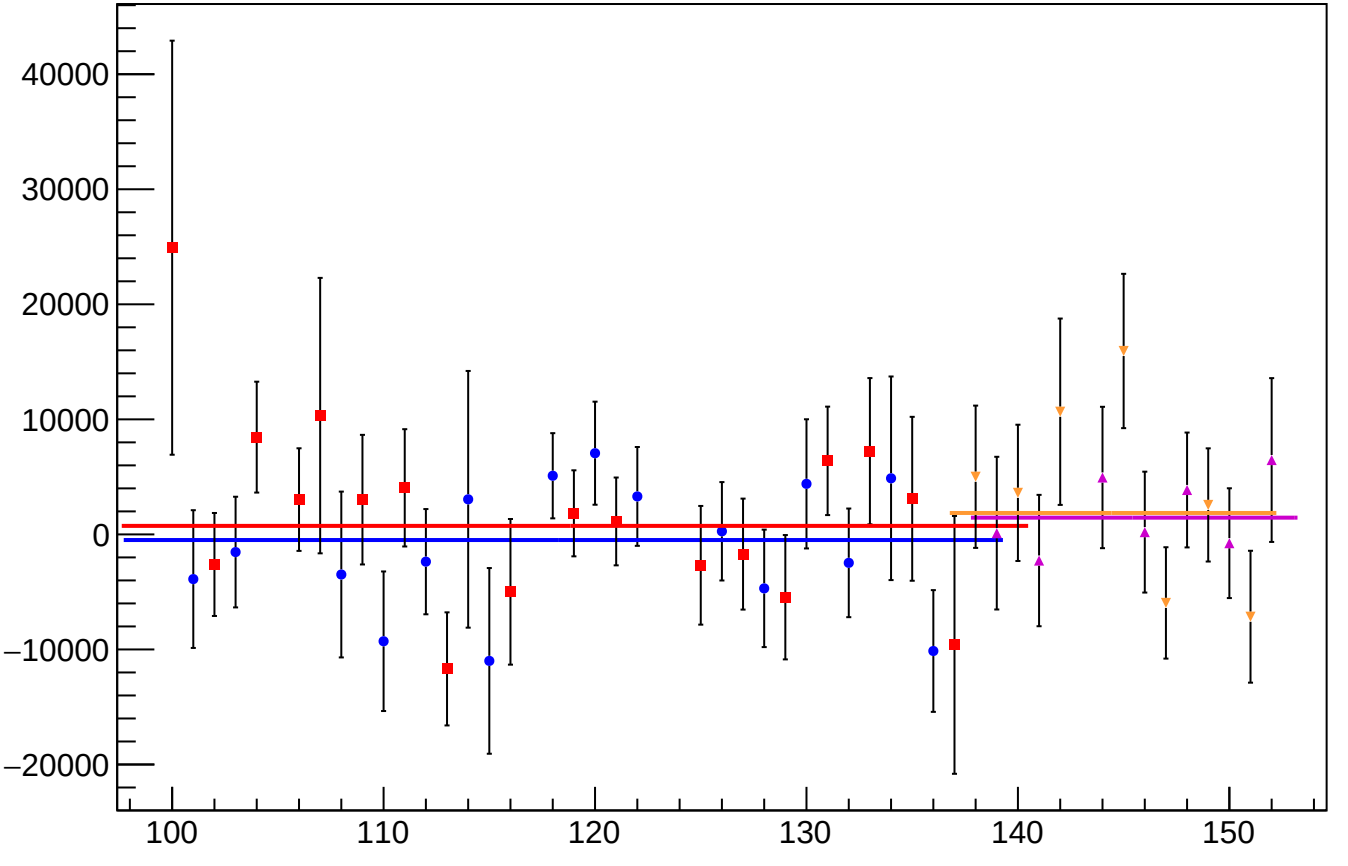
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1508.812+/-0.294 χ^2/NDF:314010.6/22

Out: 1504.423+/-0.302 χ^2/NDF:301943.4/24

All: 1506.675+/-0.210 χ^2/NDF: 616062.7/47

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: 1863.498+/-2200.164 χ^2/NDF:11.0/6

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 1455.357+/-2132.553 χ^2/NDF:1.8/6

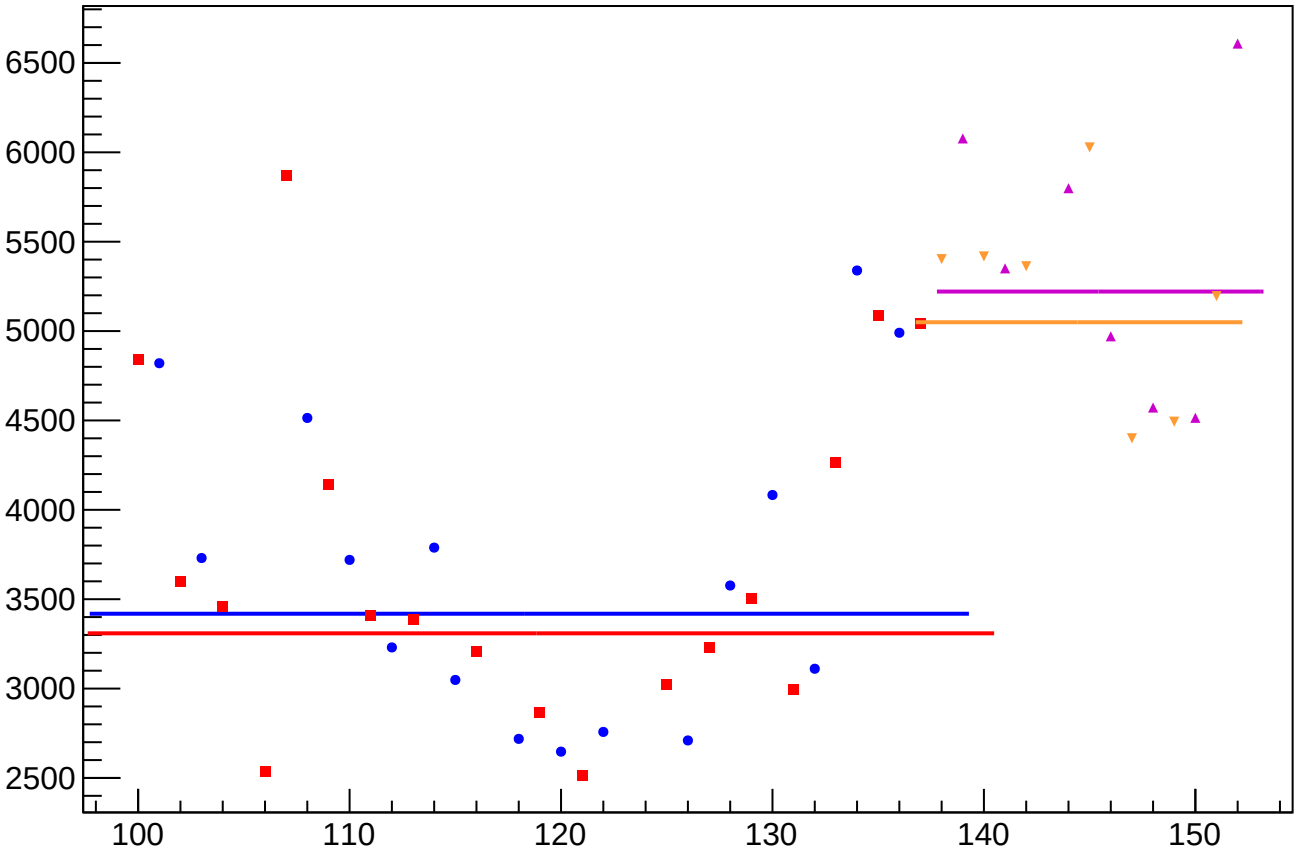
Left: 1653.060+/-1531.287 χ^2/NDF: 12.8/13

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: 42.629+/-1115.407 χ^2/NDF:18.2/22

Out: 1013.921+/-1085.488 χ^2/NDF:30.4/24

All: 541.476+/-777.918 χ^2/NDF: 49.0/47



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: 5221.090+/-1.508 χ^2/NDF:210165.2/6

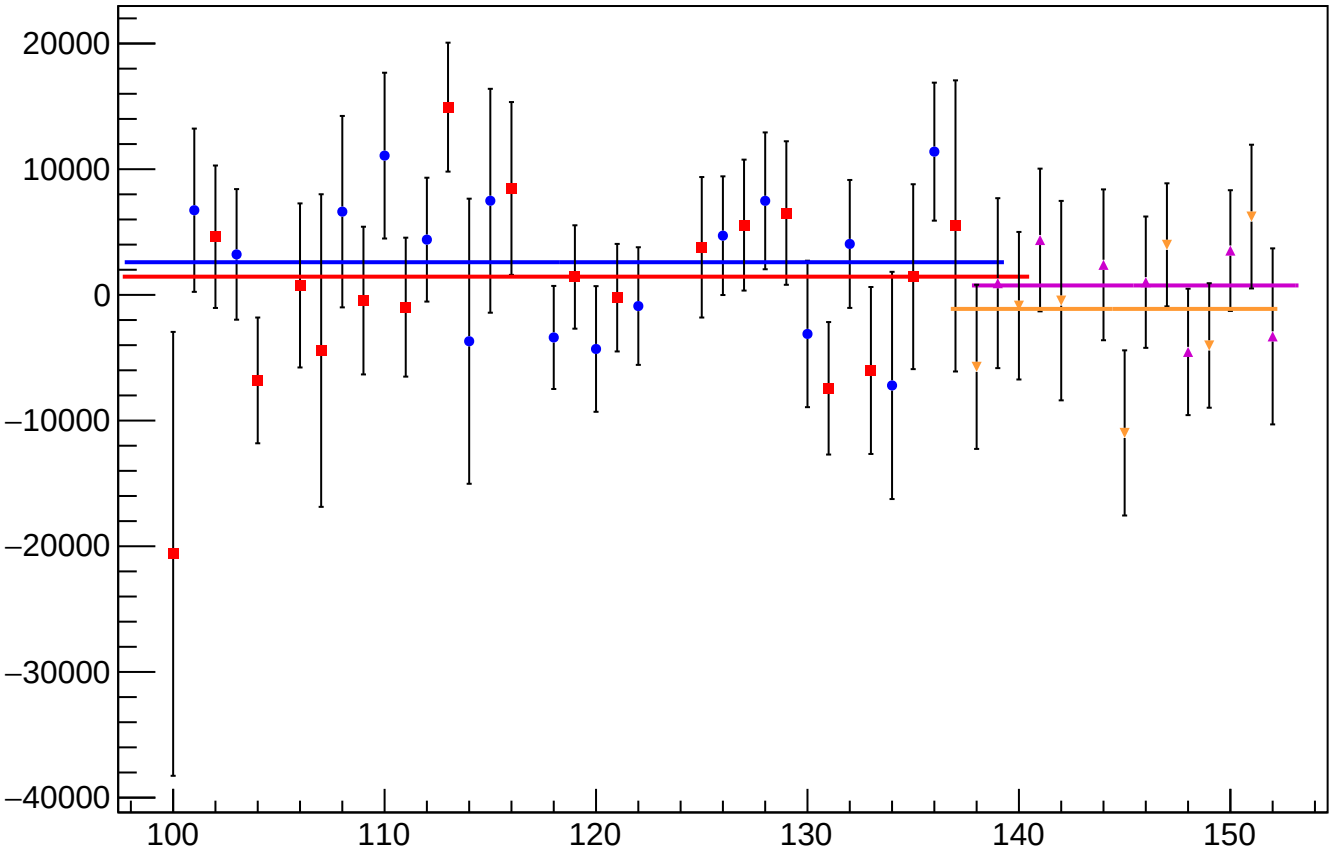
Left: 5137.933+/-1.083 χ^2/NDF: 339074.1/13

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 3911.771+/-0.789 χ^2/NDF:1969222.3/22

Out: 3732.714+/-0.768 χ^2/NDF:1641328.5/24

All: 3819.809+/-0.550 χ^2/NDF: 3637021.2/47



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: 750.915+/-2129.114 χ^2/NDF:2.3/6

Left: -146.987+/-1533.592 χ^2/NDF: 8.5/13

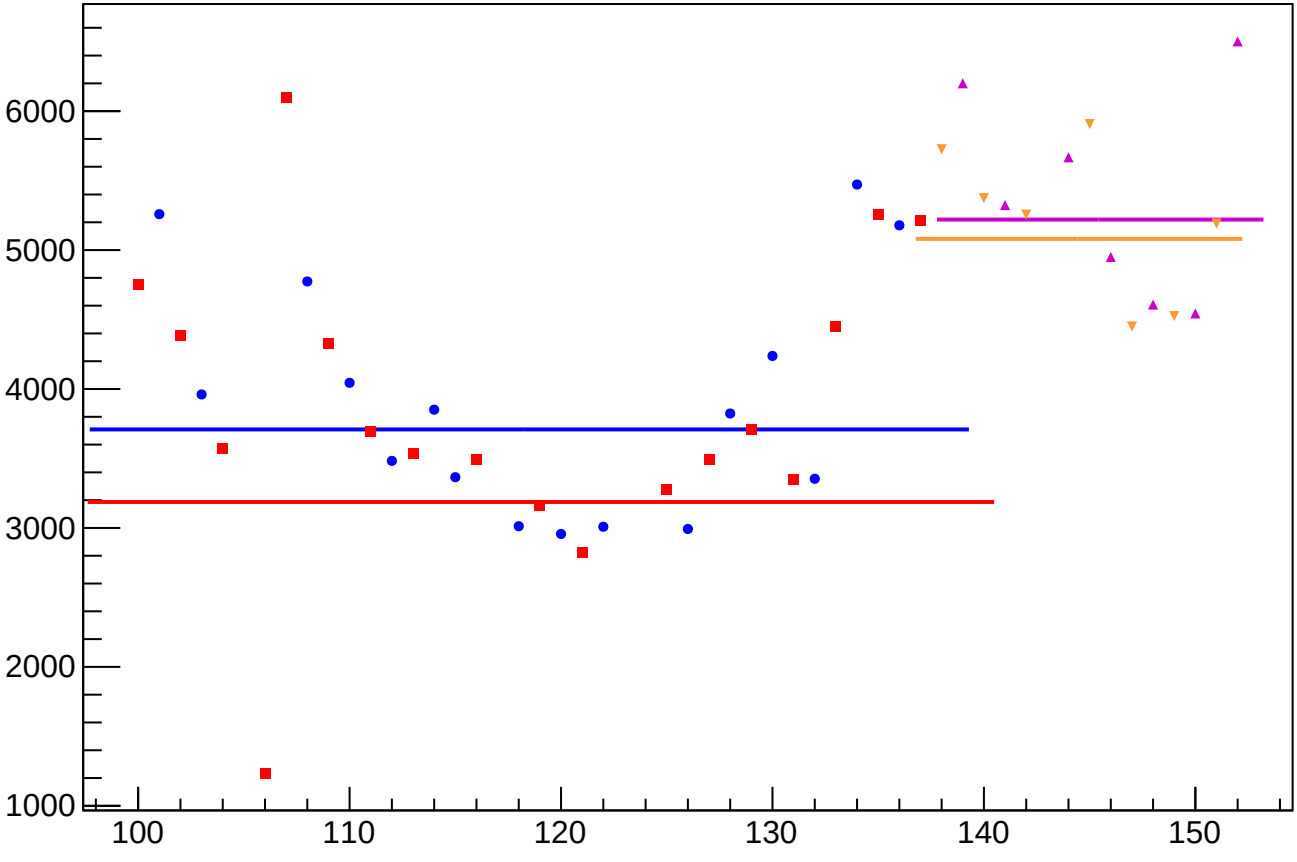
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2033.515+/-1178.187 χ^2/NDF:16.3/22

Out: 728.974+/-1172.380 χ^2/NDF:25.9/24

All: 1378.022+/-831.043 χ^2/NDF: 42.7/47

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: 5219.558+/-1.506 χ^2/NDF:195522.3/6

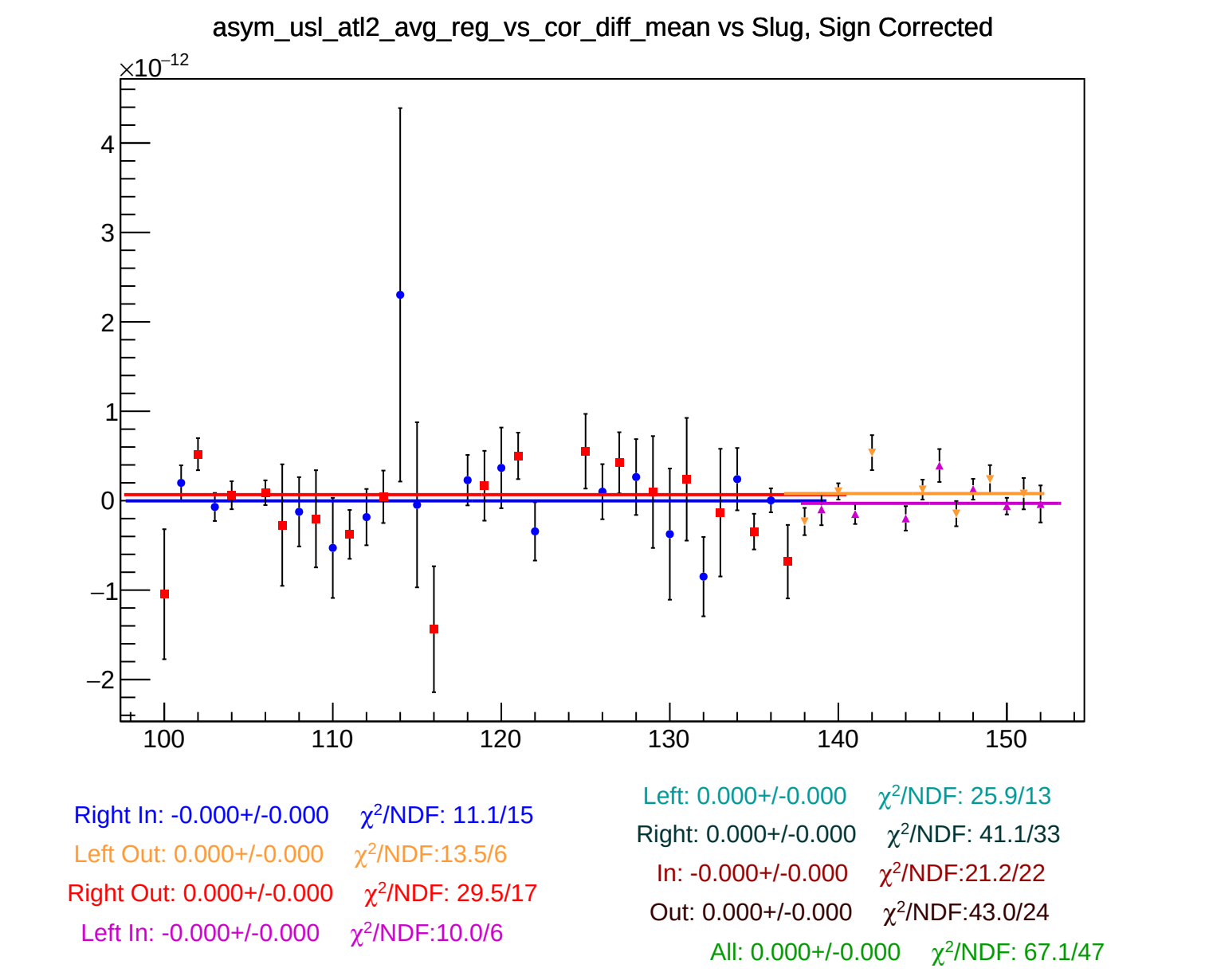
Left: 5152.707+/-1.084 χ^2/NDF: 315809.4/13

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4171.666+/-0.833 χ^2/NDF:1504459.4/22

Out: 3655.037+/-0.777 χ^2/NDF:2831484.8/24

All: 3895.400+/-0.568 χ^2/NDF: 4541584.5/47


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
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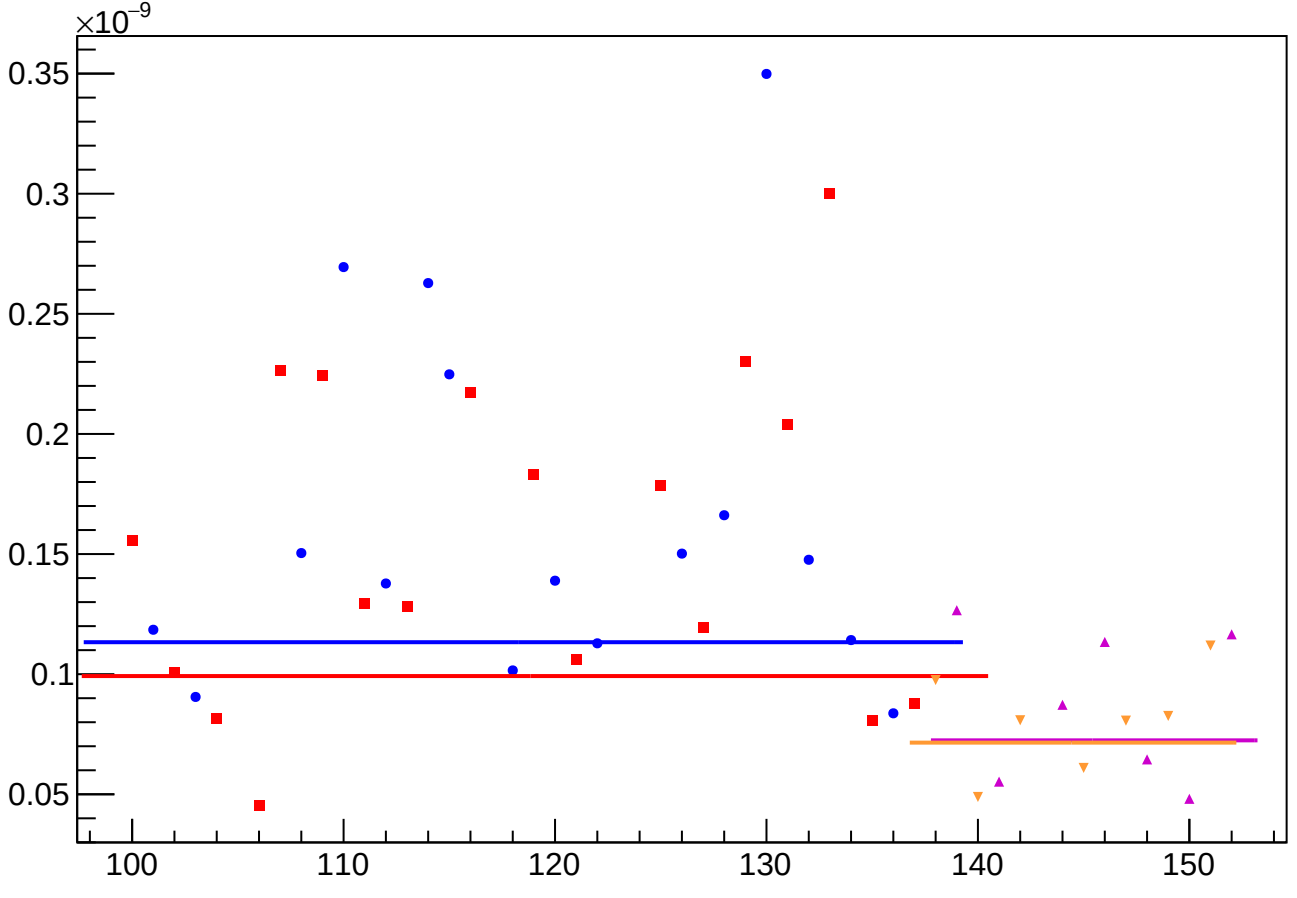
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:13.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:10.0/6
Left: 0.000+/-0.000 χ²/NDF: 25.9/13
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:21.2/22
Out: 0.000+/-0.000 χ²/NDF:43.0/24
All: 0.000+/-0.000 χ²/NDF: 67.1/47



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:591087.3/6

Left: 0.000+/-0.000 χ^2/NDF: 920305.3/13

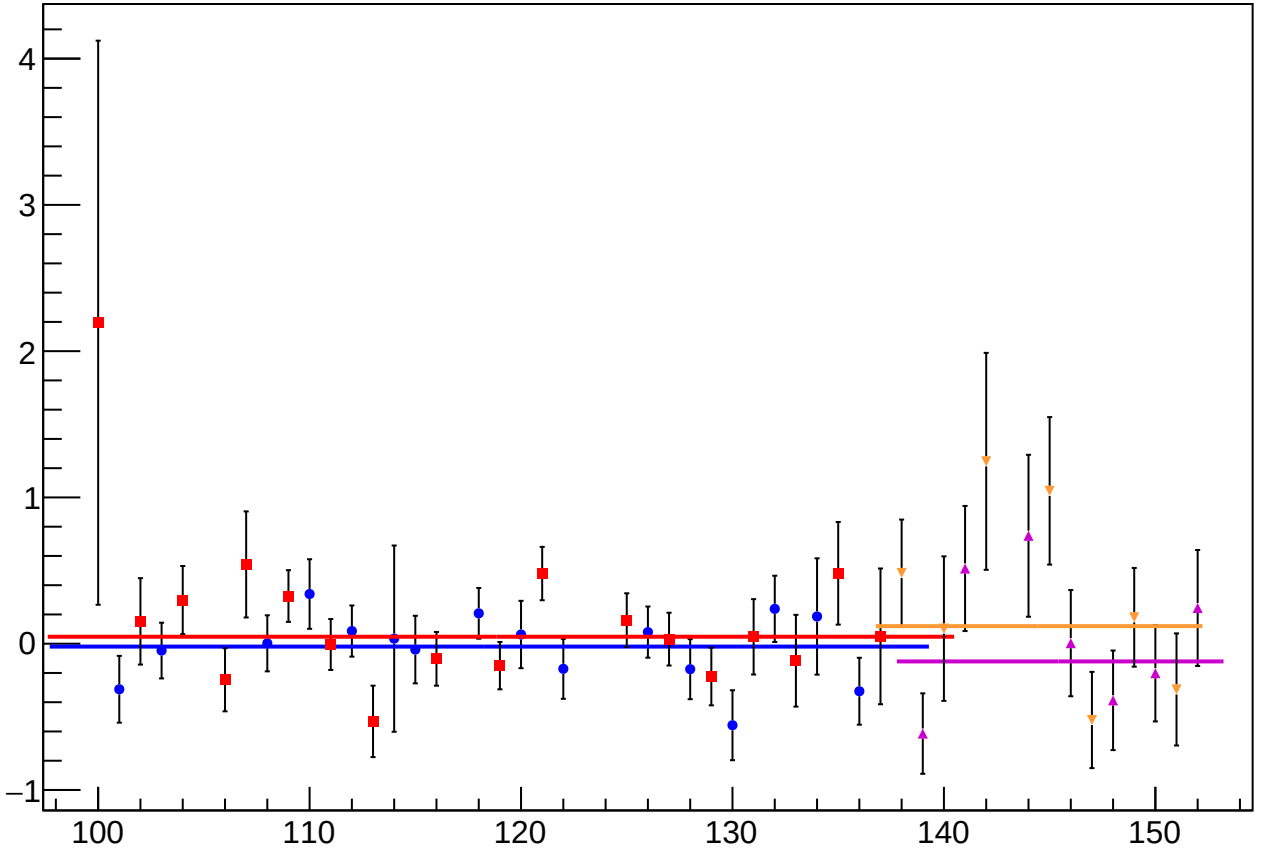
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:1696702.3/22

Out: 0.000+/-0.000 χ^2/NDF:1653743.1/24

All: 0.000+/-0.000 χ^2/NDF: 3361442.0/47

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: -0.121+/-0.136 χ^2/NDF:9.5/6

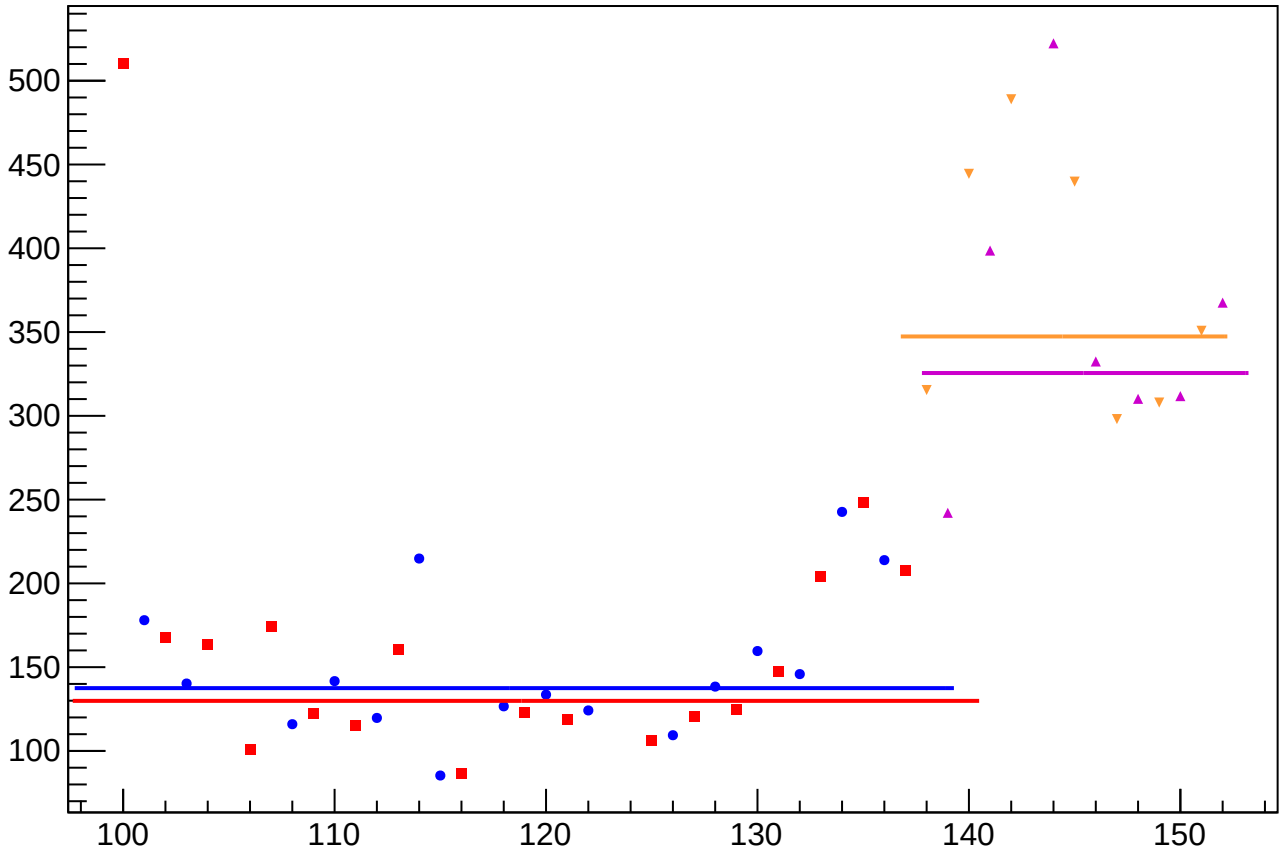
Left: -0.015+/-0.102 χ^2/NDF: 22.6/13

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.050 χ^2/NDF:26.0/22

Out: 0.055+/-0.050 χ^2/NDF:38.3/24

All: 0.011+/-0.035 χ^2/NDF: 65.8/47



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: 325.555+/-0.096 χ^2/NDF:525866.4/6

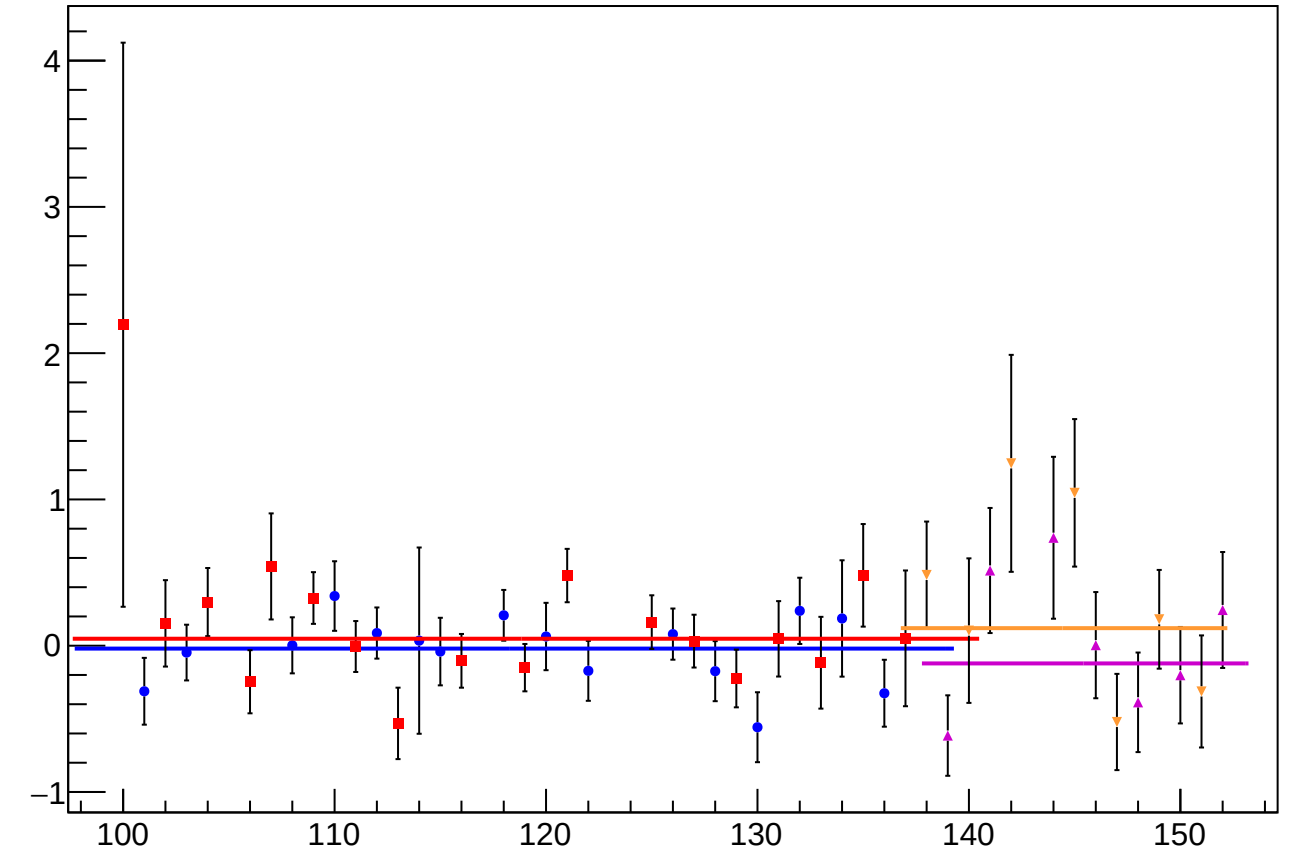
Left: 335.150+/-0.072 χ^2/NDF: 853315.3/13

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 163.135+/-0.036 χ^2/NDF:4501260.1/22

Out: 152.532+/-0.035 χ^2/NDF:4713393.5/24

All: 157.760+/-0.025 χ^2/NDF: 9259559.3/47


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
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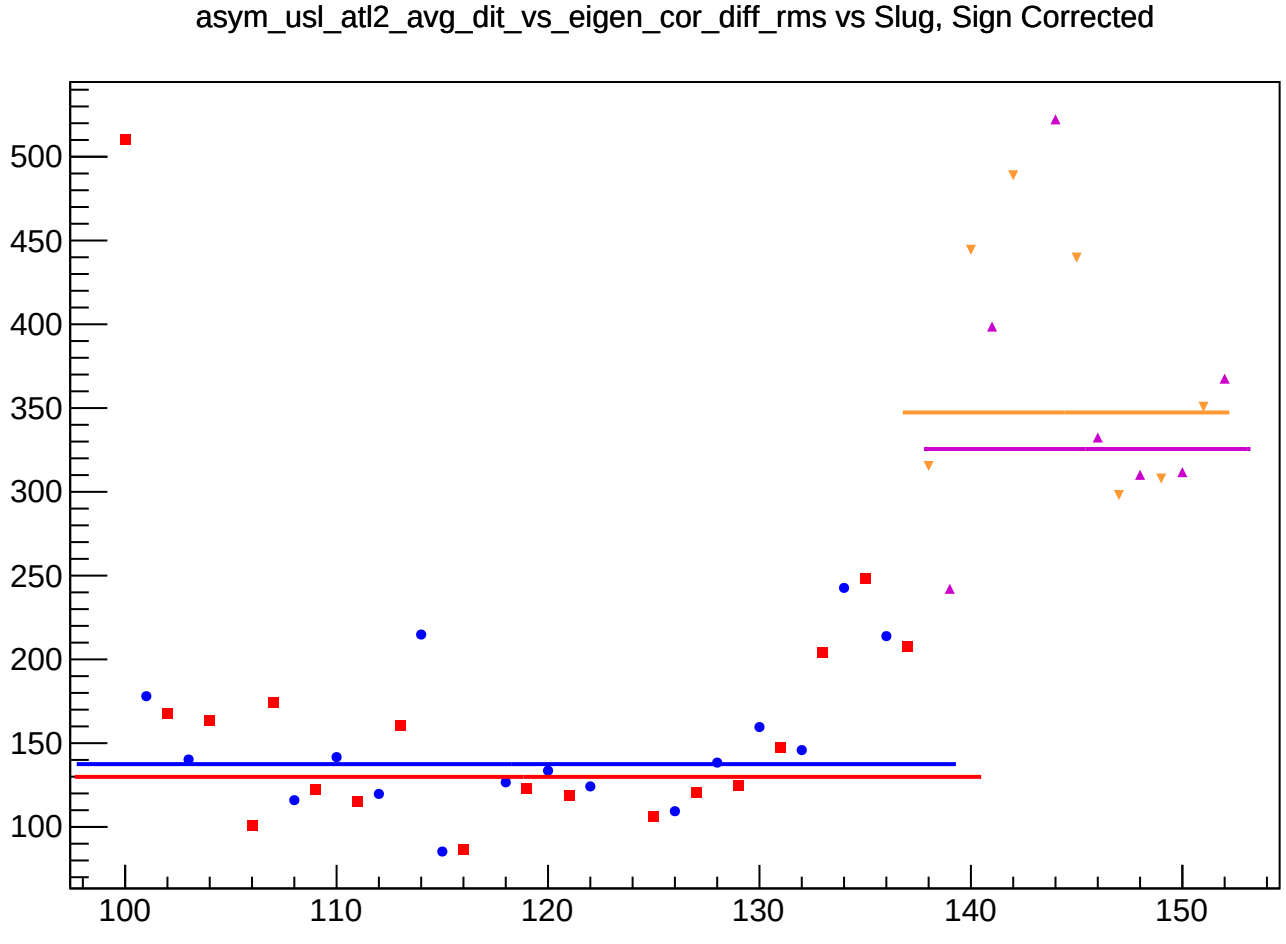
130
140
150
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: 0.120+/-0.154 χ²/NDF:11.8/6
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.121+/-0.136 χ²/NDF:9.5/6
Left: -0.015+/-0.102 χ²/NDF: 22.6/13
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.034+/-0.050 χ²/NDF:26.0/22
Out: 0.055+/-0.050 χ²/NDF:38.3/24
All: 0.011+/-0.035 χ²/NDF: 65.8/47


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
450
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250
200
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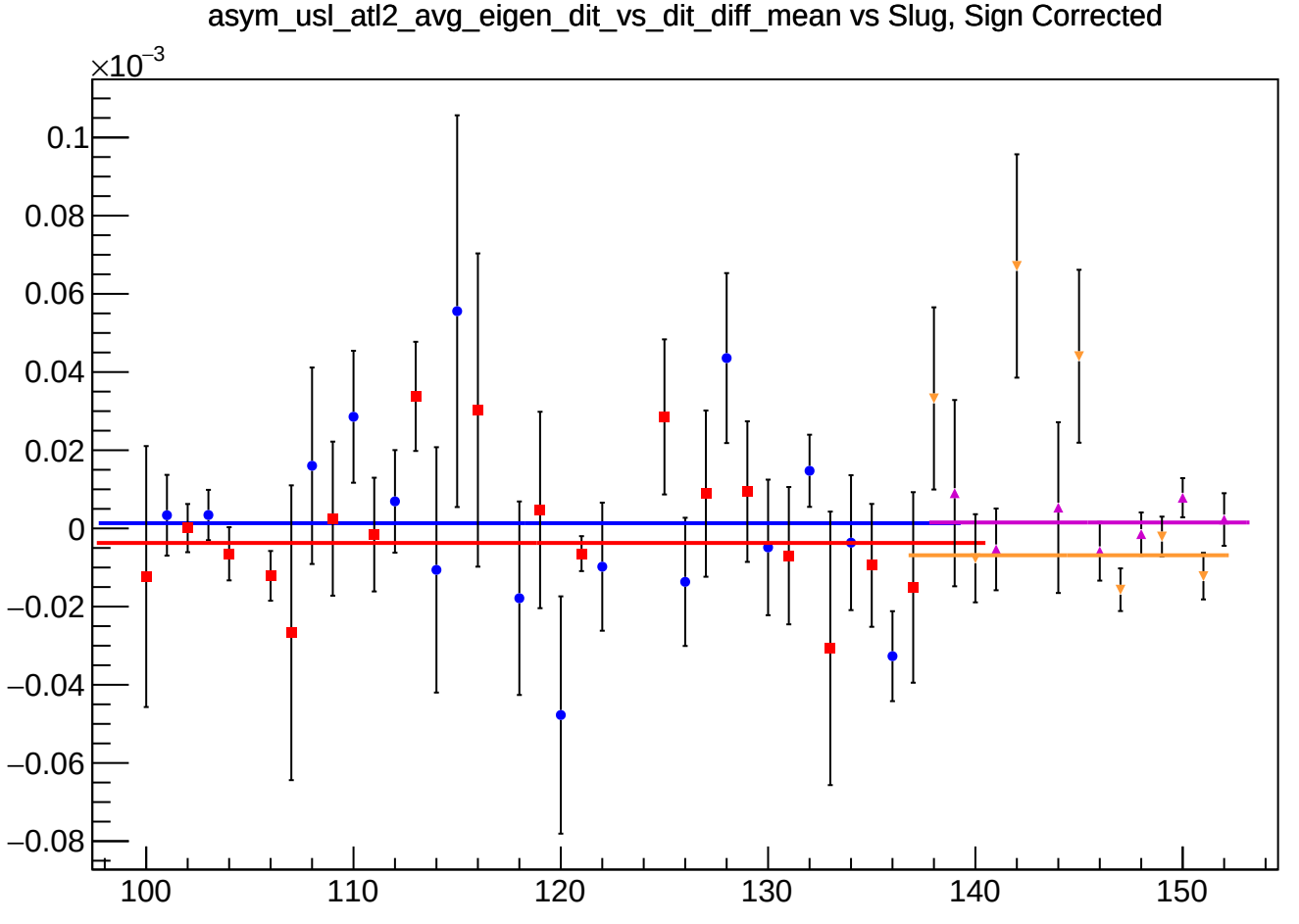
100
110
120
130
140
150
Right In: 137.492+/-0.038 χ²/NDF: 692947.9/15
Left Out: 347.373+/-0.109 χ²/NDF:304954.8/6
Right Out: 129.887+/-0.037 χ²/NDF: 833983.9/17
Left In: 325.555+/-0.096 χ²/NDF:525866.4/6
Left: 335.150+/-0.072 χ²/NDF: 853315.3/13
Right: 133.568+/-0.027 χ²/NDF: 1547246.7/33
In: 163.135+/-0.036 χ²/NDF:4501260.1/22
Out: 152.532+/-0.035 χ²/NDF:4713393.5/24
All: 157.760+/-0.025 χ²/NDF: 9259559.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:3.4/6

Left: -0.000+/-0.000 χ^2/NDF: 26.9/13

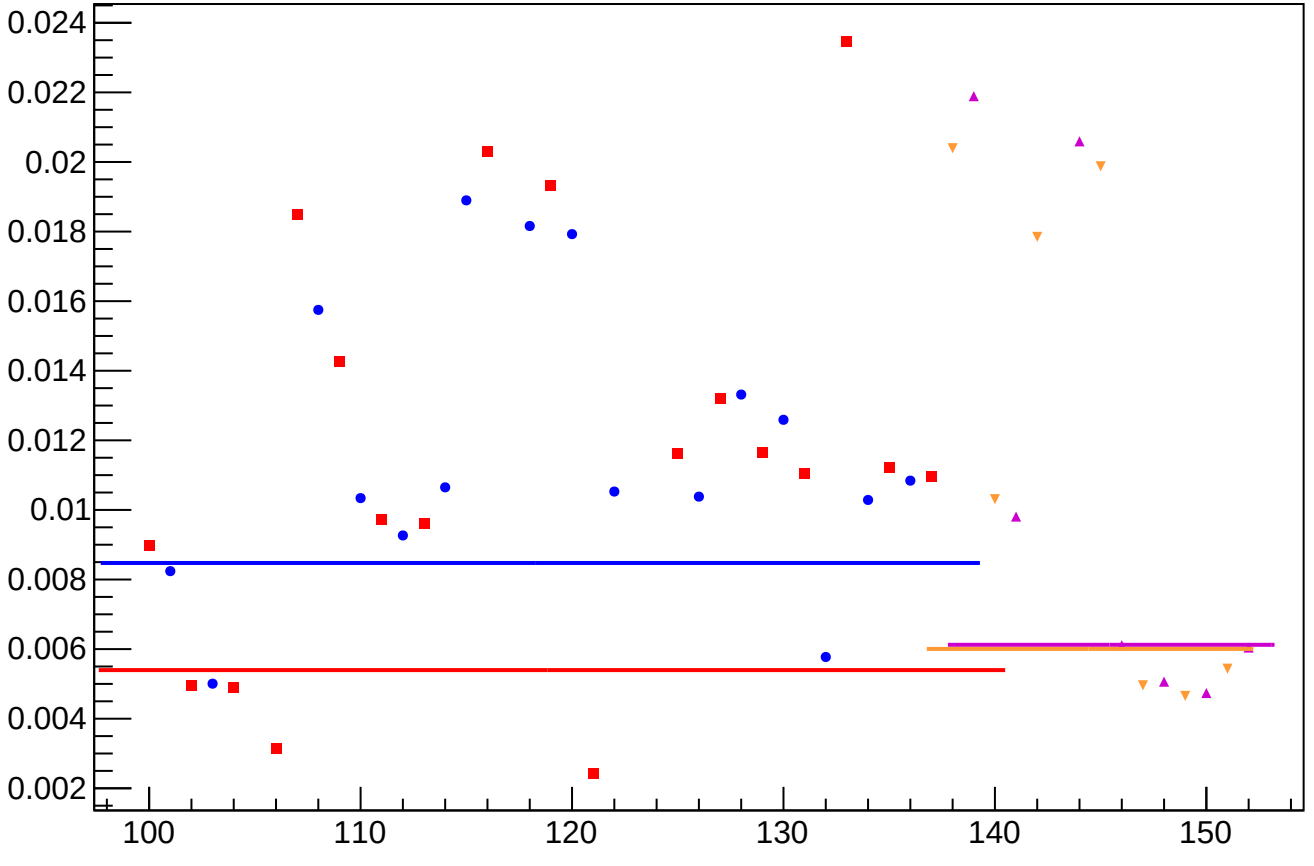
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:27.4/22

Out: -0.000+/-0.000 χ^2/NDF:35.7/24

All: -0.000+/-0.000 χ^2/NDF: 68.0/47

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:2228812.2/6

Left: 0.006+/-0.000 χ^2/NDF: 4647328.9/13

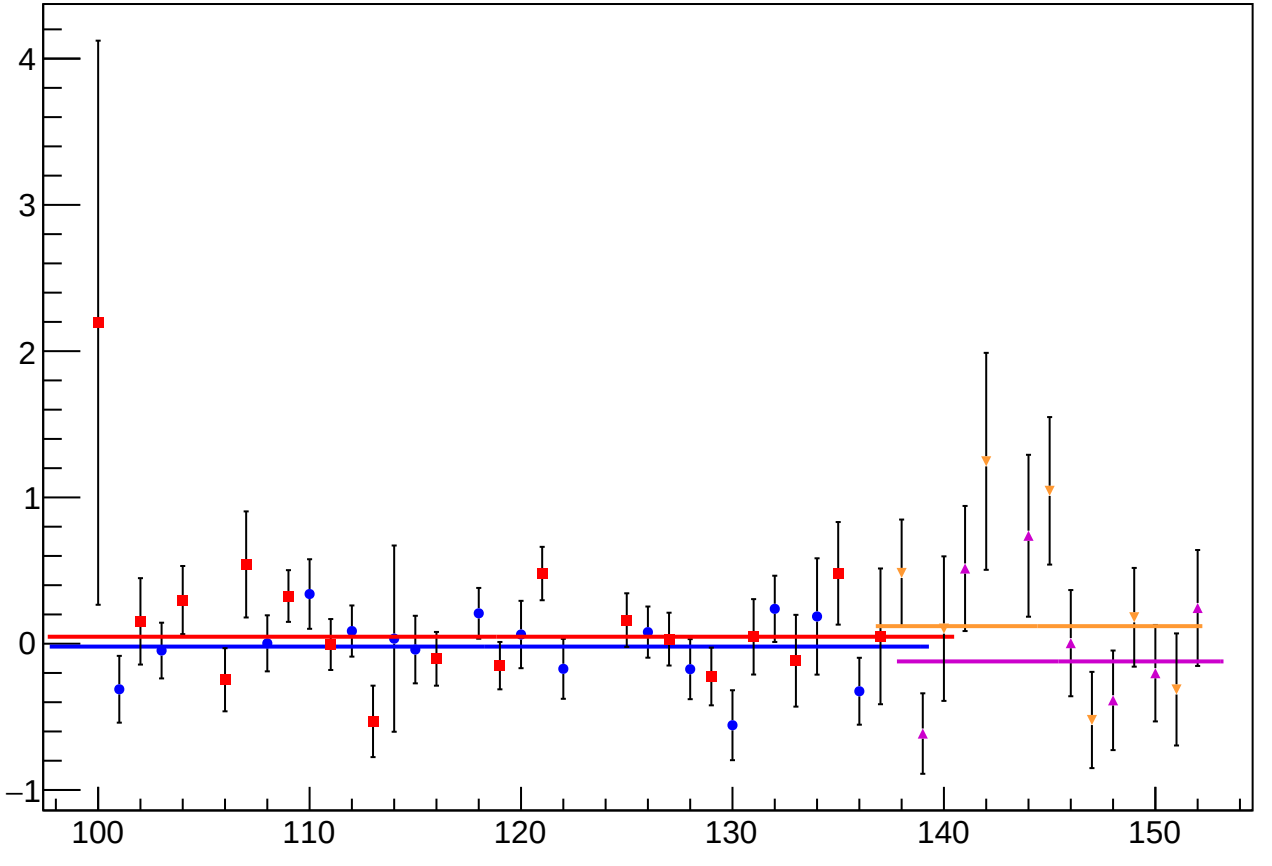
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.007+/-0.000 χ^2/NDF:4711800.1/22

Out: 0.006+/-0.000 χ^2/NDF:7374709.2/24

All: 0.006+/-0.000 χ^2/NDF: 12559194.0/47

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.120+/-0.154 χ^2/NDF:11.8/6

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.121+/-0.136 χ^2/NDF:9.5/6

Left: -0.015+/-0.102 χ^2/NDF: 22.6/13

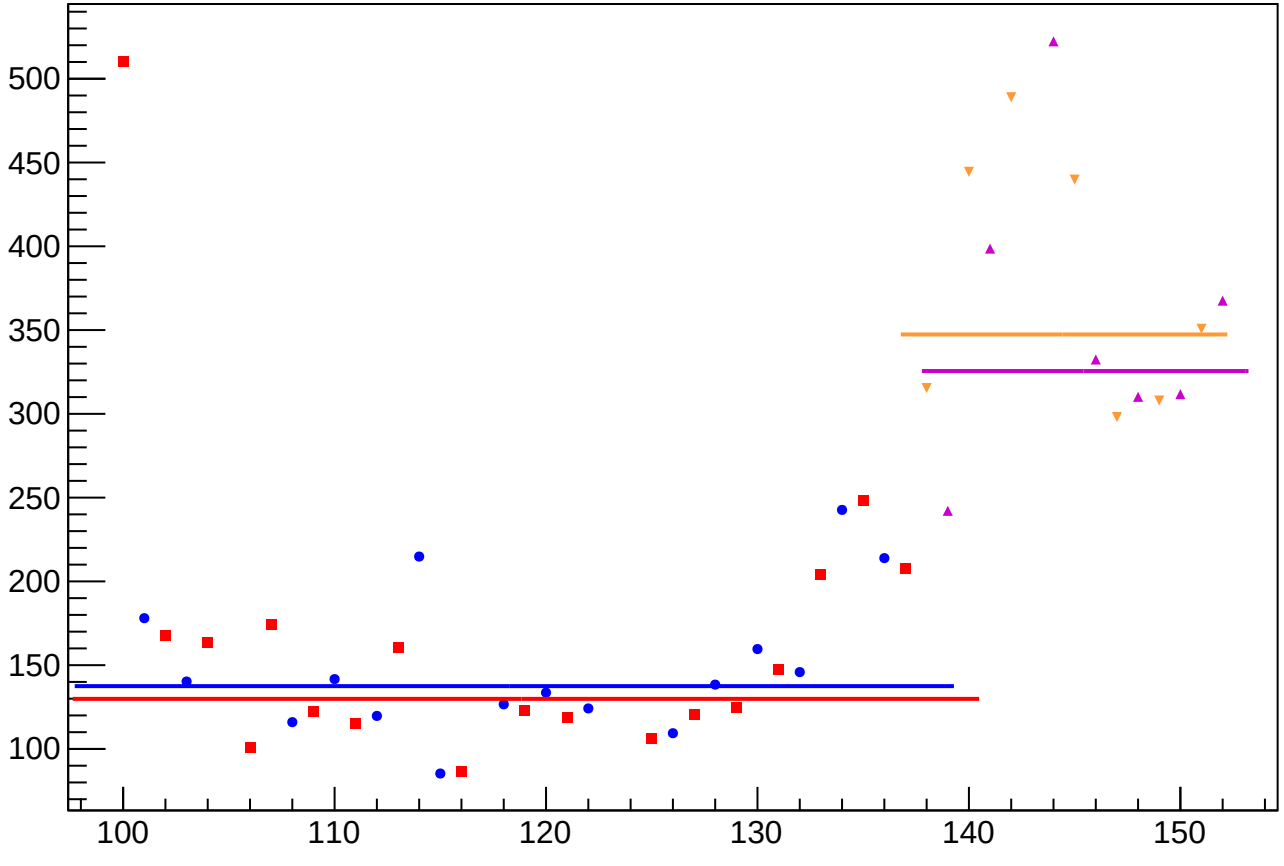
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.050 χ^2/NDF:26.0/22

Out: 0.055+/-0.050 χ^2/NDF:38.3/24

All: 0.011+/-0.035 χ^2/NDF: 65.8/47

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: 325.560+/-0.096 χ^2/NDF:525848.7/6

Left: 335.154+/-0.072 χ^2/NDF: 853319.4/13

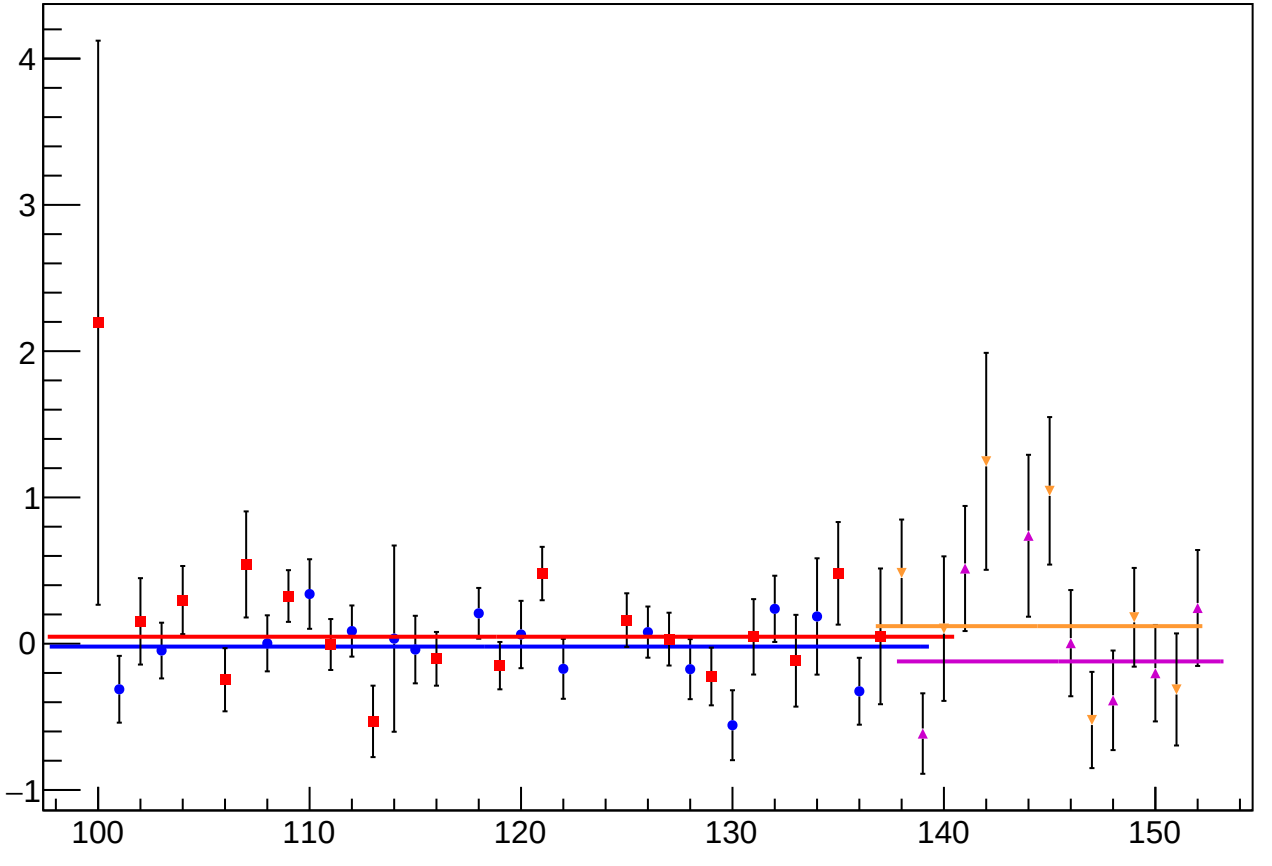
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 163.134+/-0.036 χ^2/NDF:4501305.9/22

Out: 152.532+/-0.035 χ^2/NDF:4713404.5/24

All: 157.760+/-0.025 χ^2/NDF: 9259615.6/47

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: -0.121+/-0.136 χ^2/NDF:9.5/6

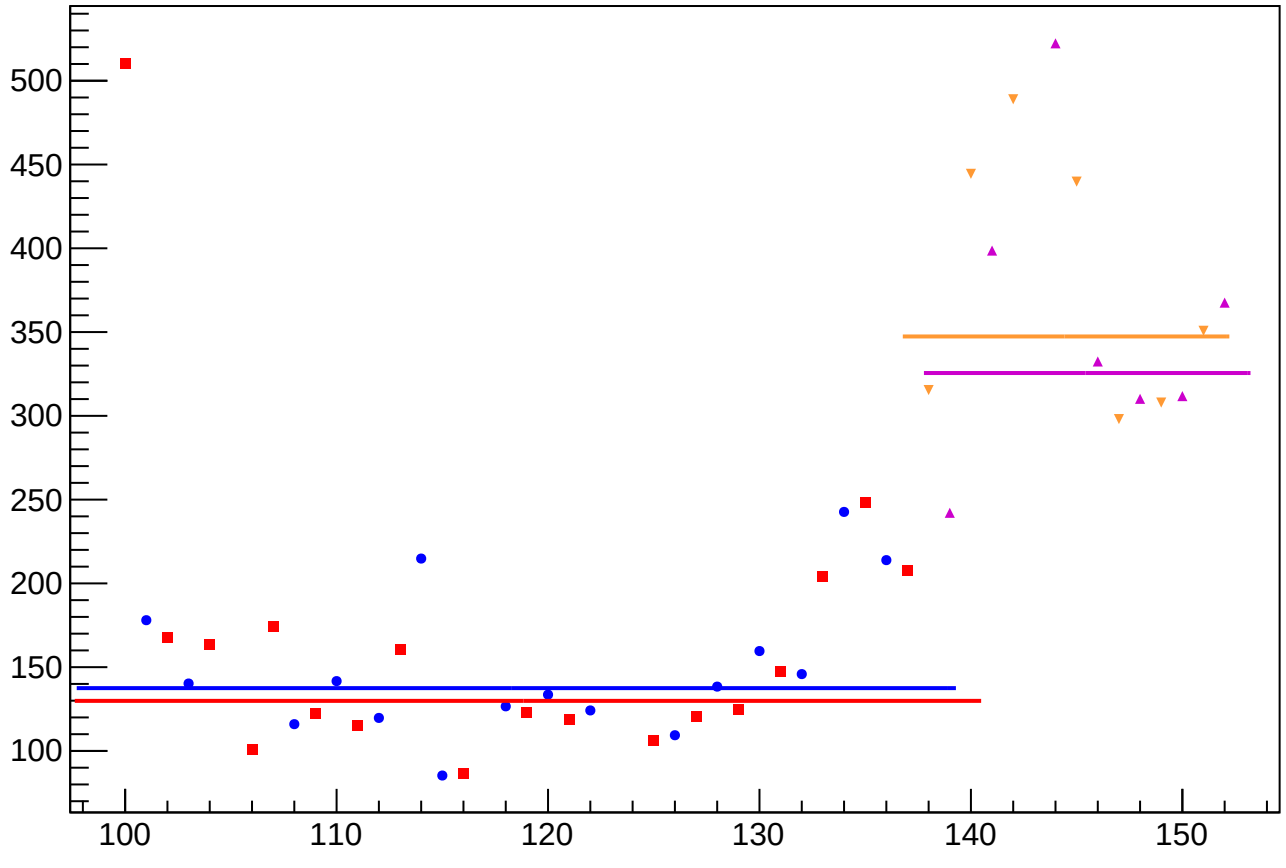
Left: -0.015+/-0.102 χ^2/NDF: 22.6/13

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.050 χ^2/NDF:26.0/22

Out: 0.055+/-0.050 χ^2/NDF:38.3/24

All: 0.011+/-0.035 χ^2/NDF: 65.8/47



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: 325.560+/-0.096 χ^2/NDF:525848.7/6

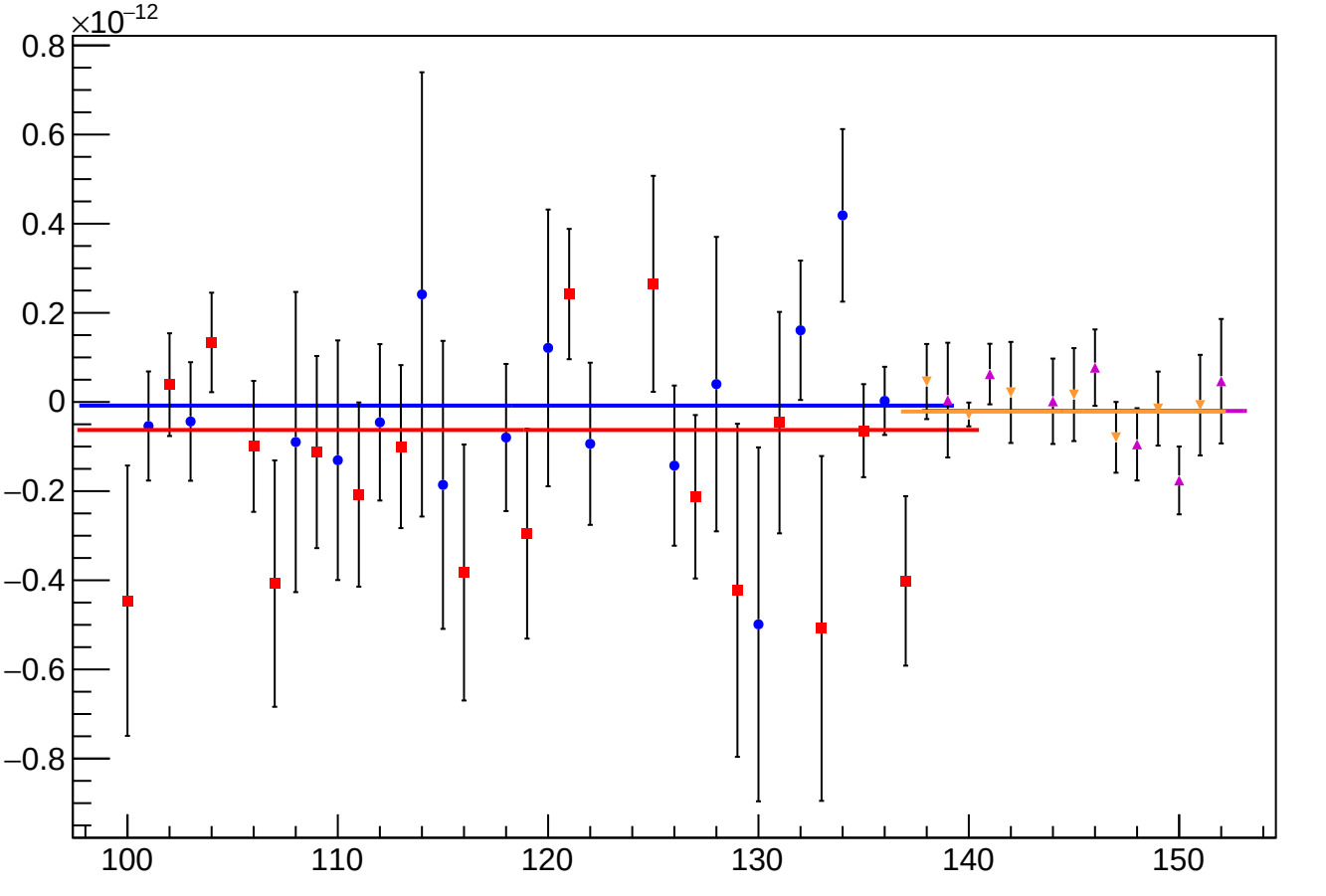
Left: 335.154+/-0.072 χ^2/NDF: 853319.4/13

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 163.134+/-0.036 χ^2/NDF:4501305.9/22

Out: 152.532+/-0.035 χ^2/NDF:4713404.5/24

All: 157.760+/-0.025 χ^2/NDF: 9259615.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.5/6

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:8.1/6

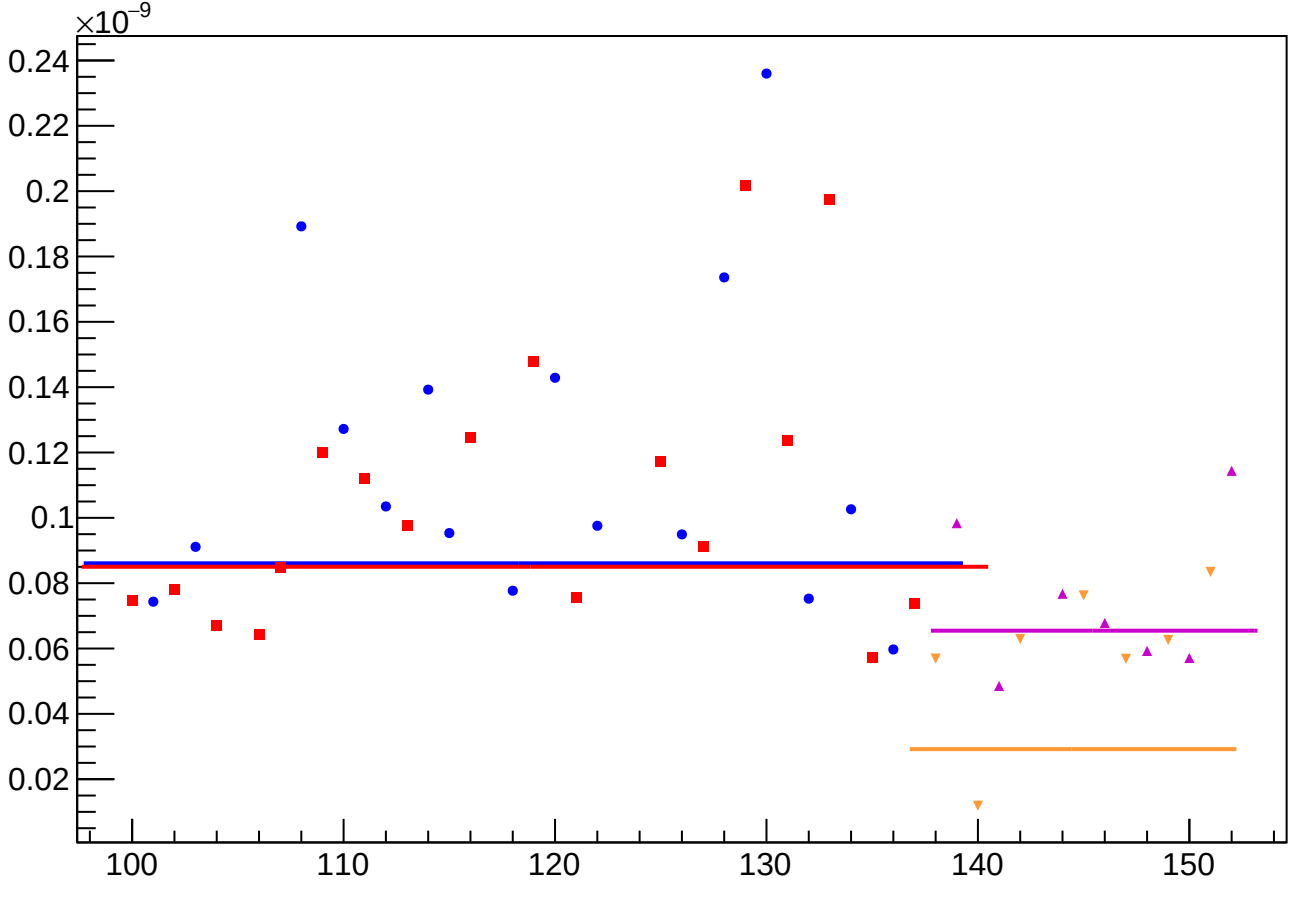
Left: -0.000+/-0.000 χ^2/NDF: 9.7/13

Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: -0.000+/-0.000 χ^2/NDF:18.0/22

Out: -0.000+/-0.000 χ^2/NDF:24.5/24

All: -0.000+/-0.000 χ^2/NDF: 42.7/47



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:565778.3/6

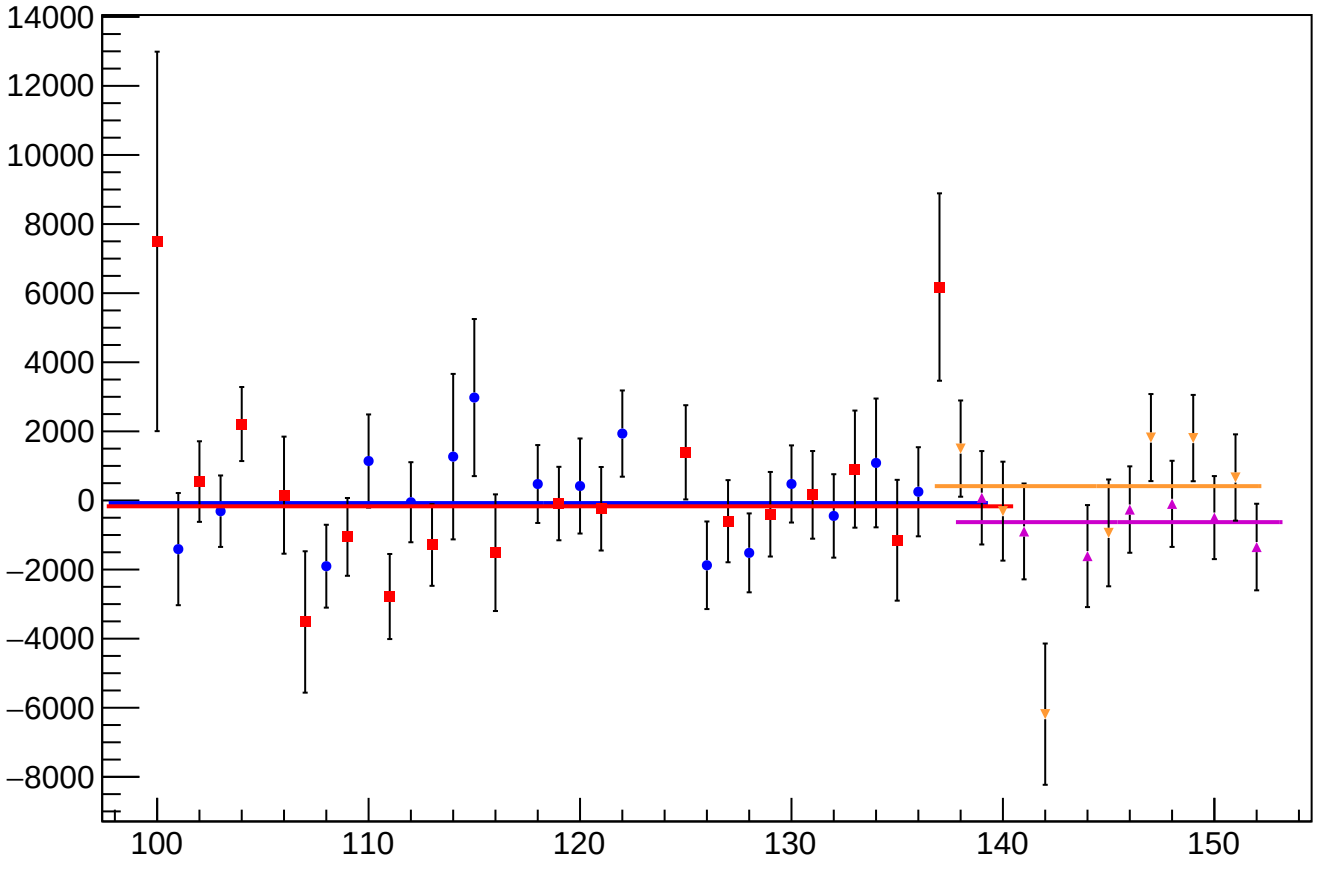
Left: 0.000+/-0.000 χ^2/NDF: 4891676.4/13

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:1929188.2/22

Out: 0.000+/-0.000 χ^2/NDF:6464813.2/24

All: 0.000+/-0.000 χ^2/NDF: 10336489.0/47



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: -627.343+/-491.610 χ^2/NDF:1.4/6

Left: -144.694+/-360.132 χ^2/NDF: 18.0/13

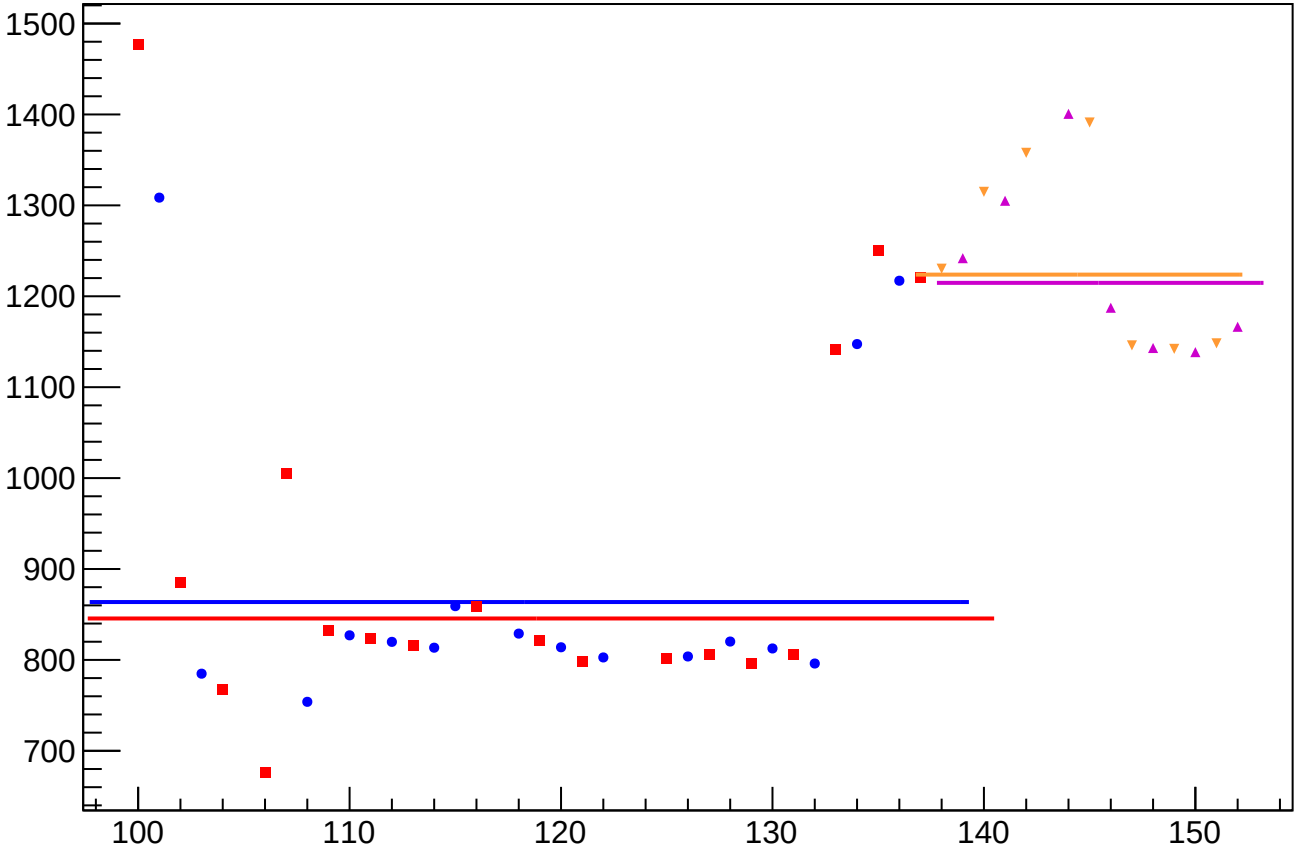
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -244.520+/-271.822 χ^2/NDF:15.6/22

Out: -11.712+/-274.952 χ^2/NDF:39.8/24

All: -129.449+/-193.304 χ^2/NDF: 55.8/47

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: 1214.755+/-0.348 χ^2/NDF:59575.6/6

Left: 1218.958+/-0.255 χ^2/NDF: 123552.1/13

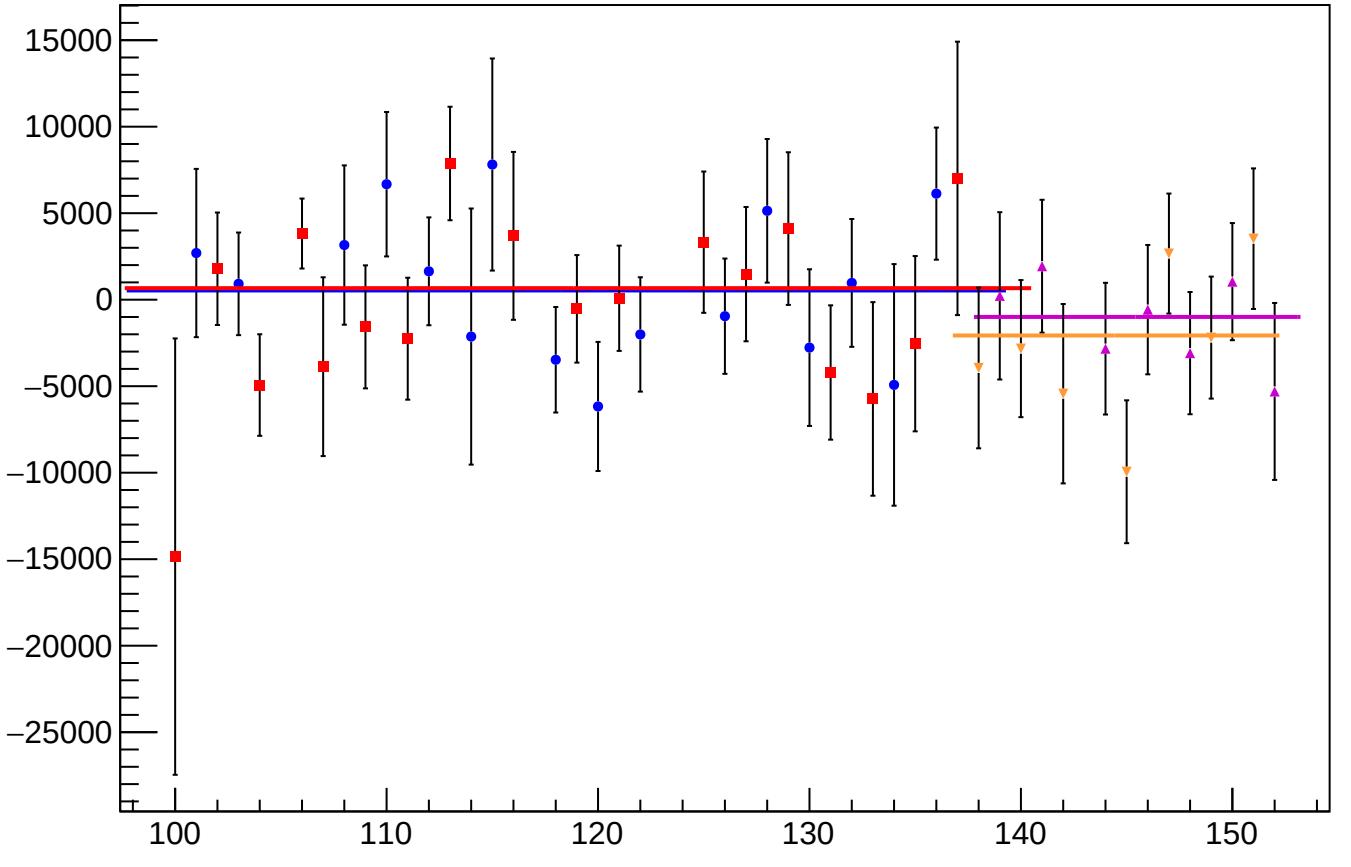
Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 970.999+/-0.192 χ^2/NDF:1175293.0/22

Out: 945.896+/-0.193 χ^2/NDF:1122606.1/24

All: 958.477+/-0.136 χ^2/NDF: 2306407.8/47

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: -996.642+/-1479.628 χ^2/NDF:2.3/6

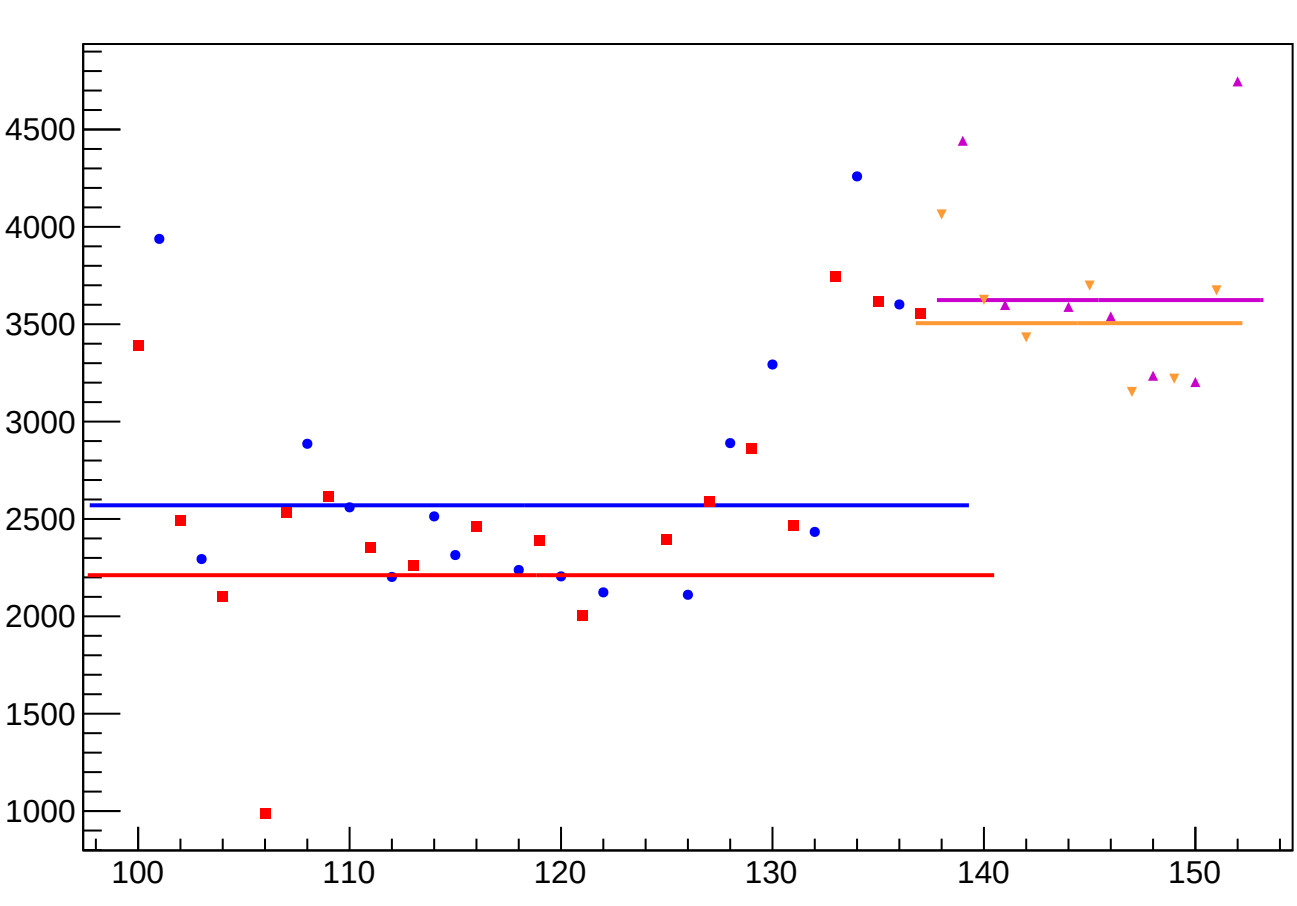
Left: -1516.471+/-1061.918 χ^2/NDF: 10.6/13

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 66.778+/-817.789 χ^2/NDF:17.7/22

Out: 0.259+/-752.368 χ^2/NDF:30.4/24

All: 30.751+/-553.690 χ^2/NDF: 48.1/47



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3505.457+/-1.078 χ^2/NDF:72731.9/6

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3623.969+/-1.046 χ^2/NDF:210025.1/6

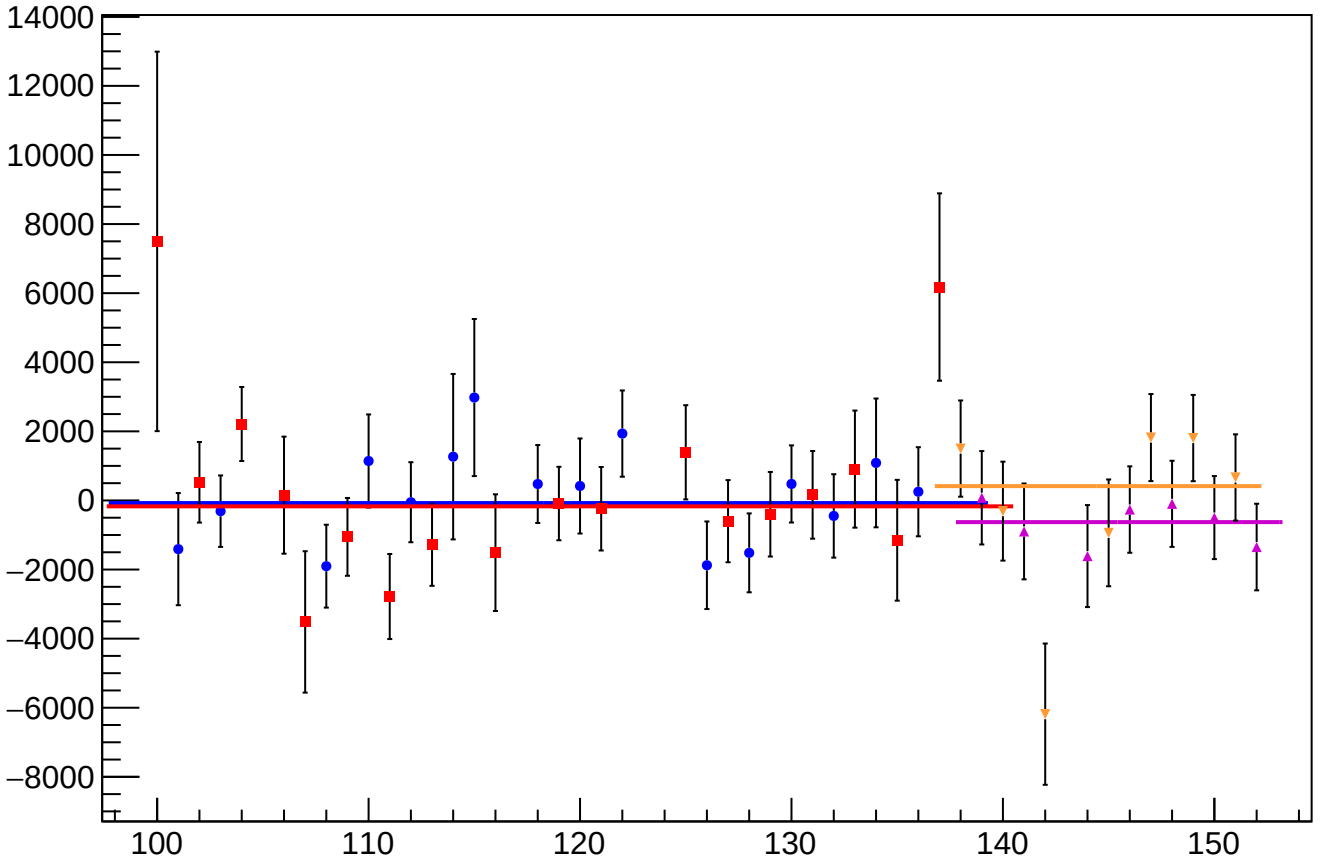
Left: 3566.501+/-0.751 χ^2/NDF: 288978.7/13

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 2892.056+/-0.578 χ^2/NDF:1577125.6/22

Out: 2526.293+/-0.532 χ^2/NDF:2426673.5/24

All: 2693.961+/-0.392 χ^2/NDF: 4220479.9/47



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: -627.400+/-491.610 χ^2/NDF:1.4/6

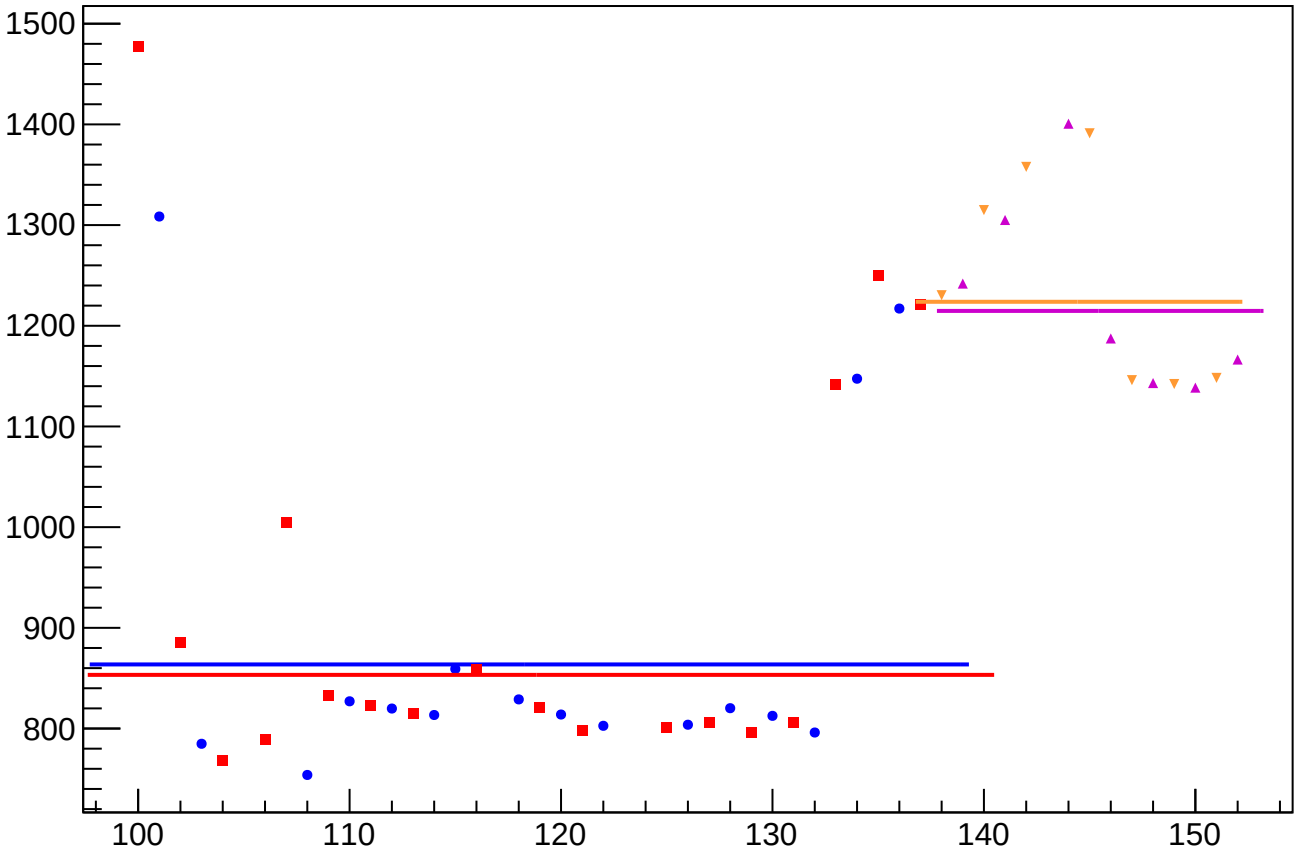
Left: -144.741+/-360.132 χ^2/NDF: 18.0/13

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -244.591+/-271.822 χ^2/NDF:15.6/22

Out: -12.913+/-274.955 χ^2/NDF:39.8/24

All: -130.080+/-193.305 χ^2/NDF: 55.8/47



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: 1214.755+/-0.348 χ^2/NDF:59575.6/6

Left: 1218.958+/-0.255 χ^2/NDF: 123552.1/13

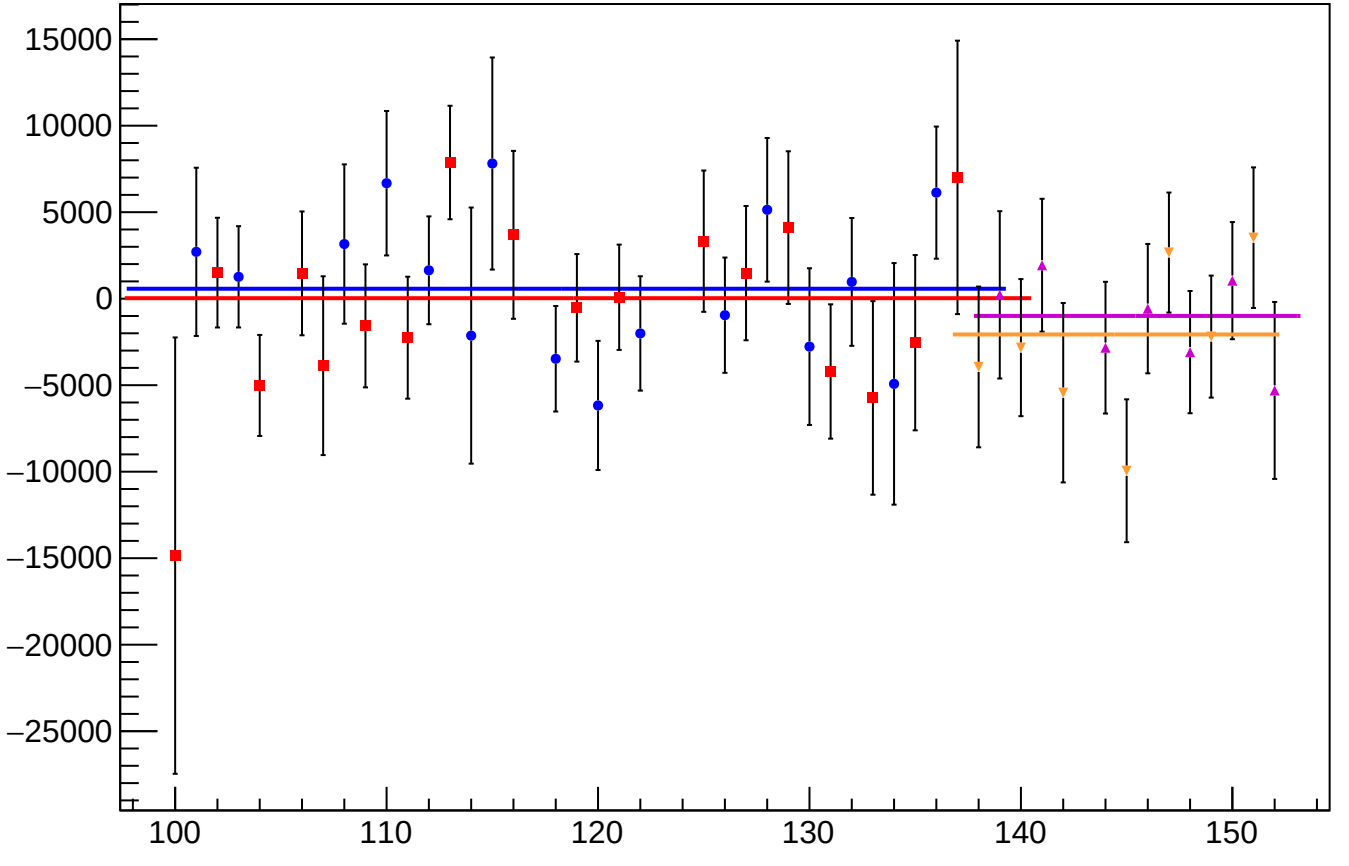
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 970.999+/-0.192 χ^2/NDF:1175293.0/22

Out: 952.616+/-0.194 χ^2/NDF:1057084.9/24

All: 961.878+/-0.136 χ^2/NDF: 2236916.5/47

asym_usl_atl2_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -2068.696+/-1524.956 χ^2/NDF:8.0/6

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -996.670+/-1479.626 χ^2/NDF:2.3/6

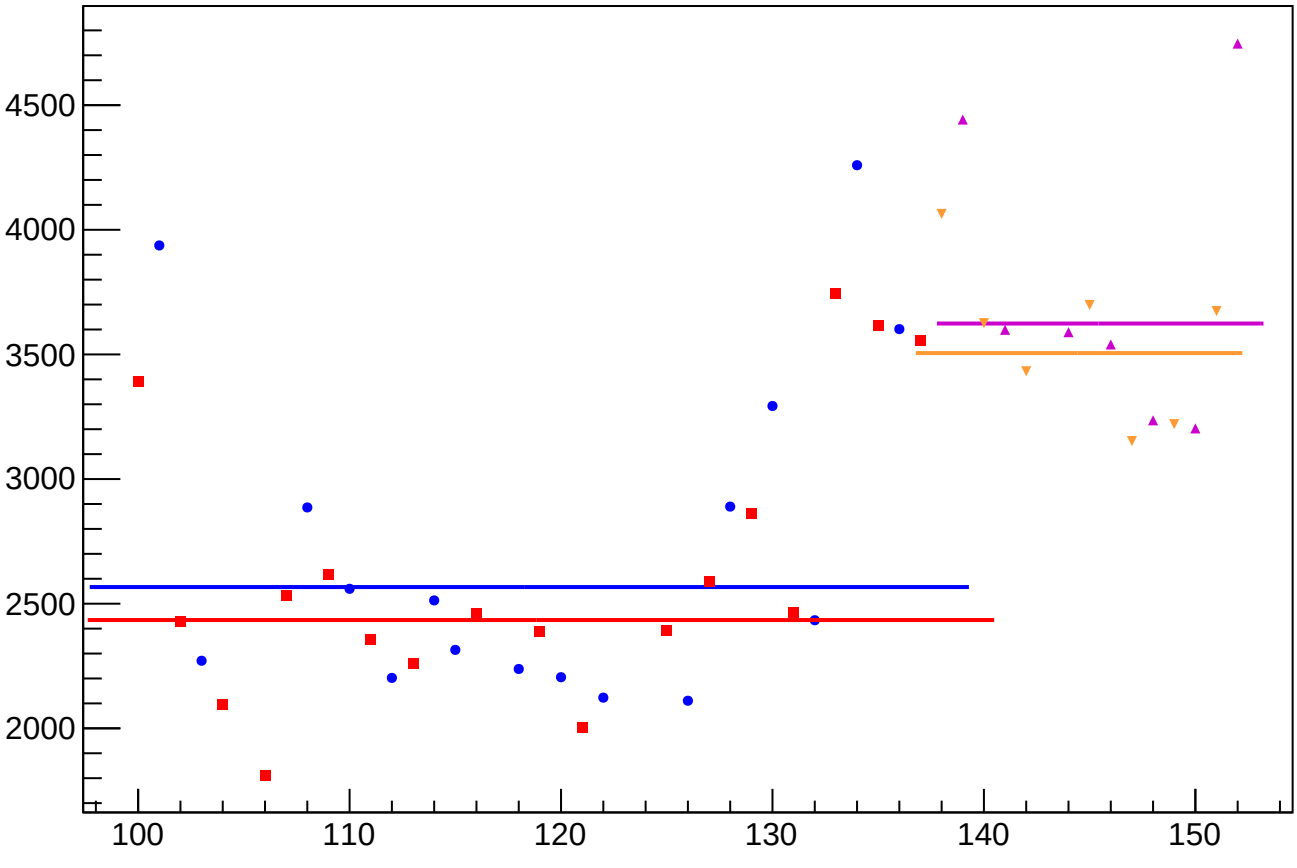
Left: -1516.513+/-1061.918 χ^2/NDF: 10.6/13

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 95.841+/-816.958 χ^2/NDF:17.8/22

Out: -532.934+/-789.072 χ^2/NDF:26.6/24

All: -229.461+/-567.561 χ^2/NDF: 44.7/47



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: 3623.964+/-1.046 χ^2/NDF:210024.9/6

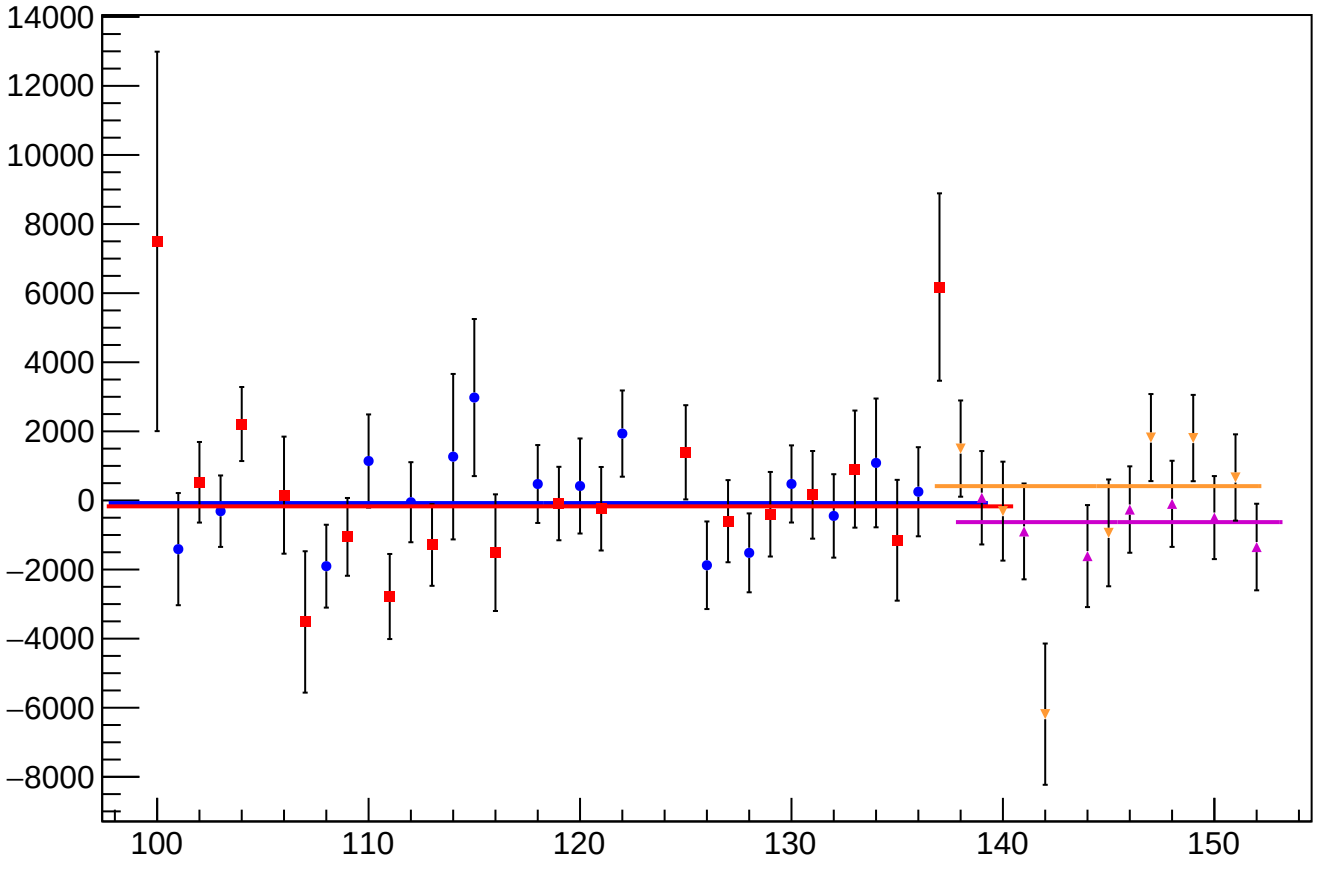
Left: 3566.498+/-0.751 χ^2/NDF: 288977.4/13

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2889.036+/-0.578 χ^2/NDF:1585704.7/22

Out: 2721.190+/-0.558 χ^2/NDF:1229212.1/24

All: 2802.200+/-0.401 χ^2/NDF: 2858592.8/47



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: -627.400+/-491.610 χ^2/NDF:1.4/6

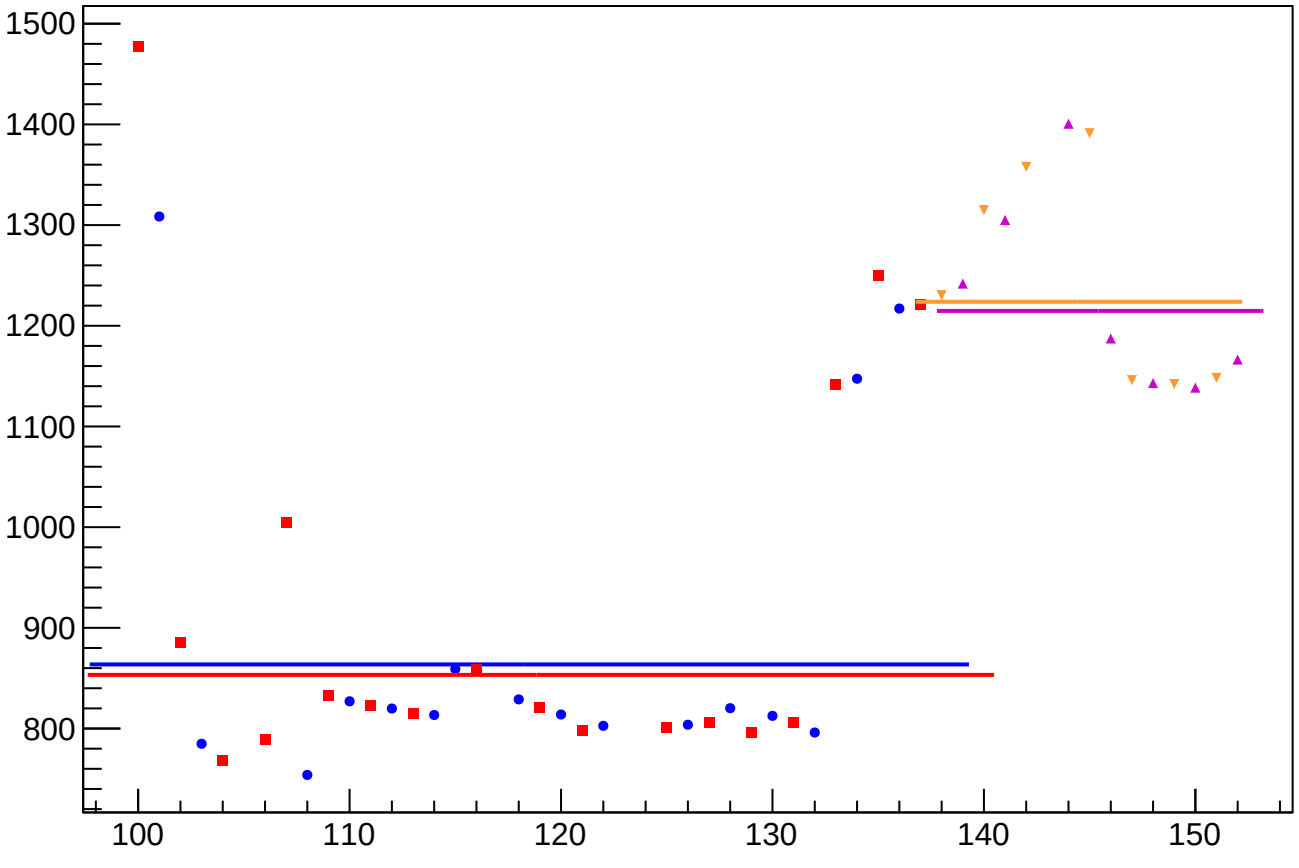
Left: -144.741+/-360.132 χ^2/NDF: 18.0/13

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -244.591+/-271.822 χ^2/NDF:15.6/22

Out: -12.913+/-274.955 χ^2/NDF:39.8/24

All: -130.080+/-193.305 χ^2/NDF: 55.8/47



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: 1214.755+/-0.348 χ^2/NDF:59575.6/6

Left: 1218.958+/-0.255 χ^2/NDF: 123552.1/13

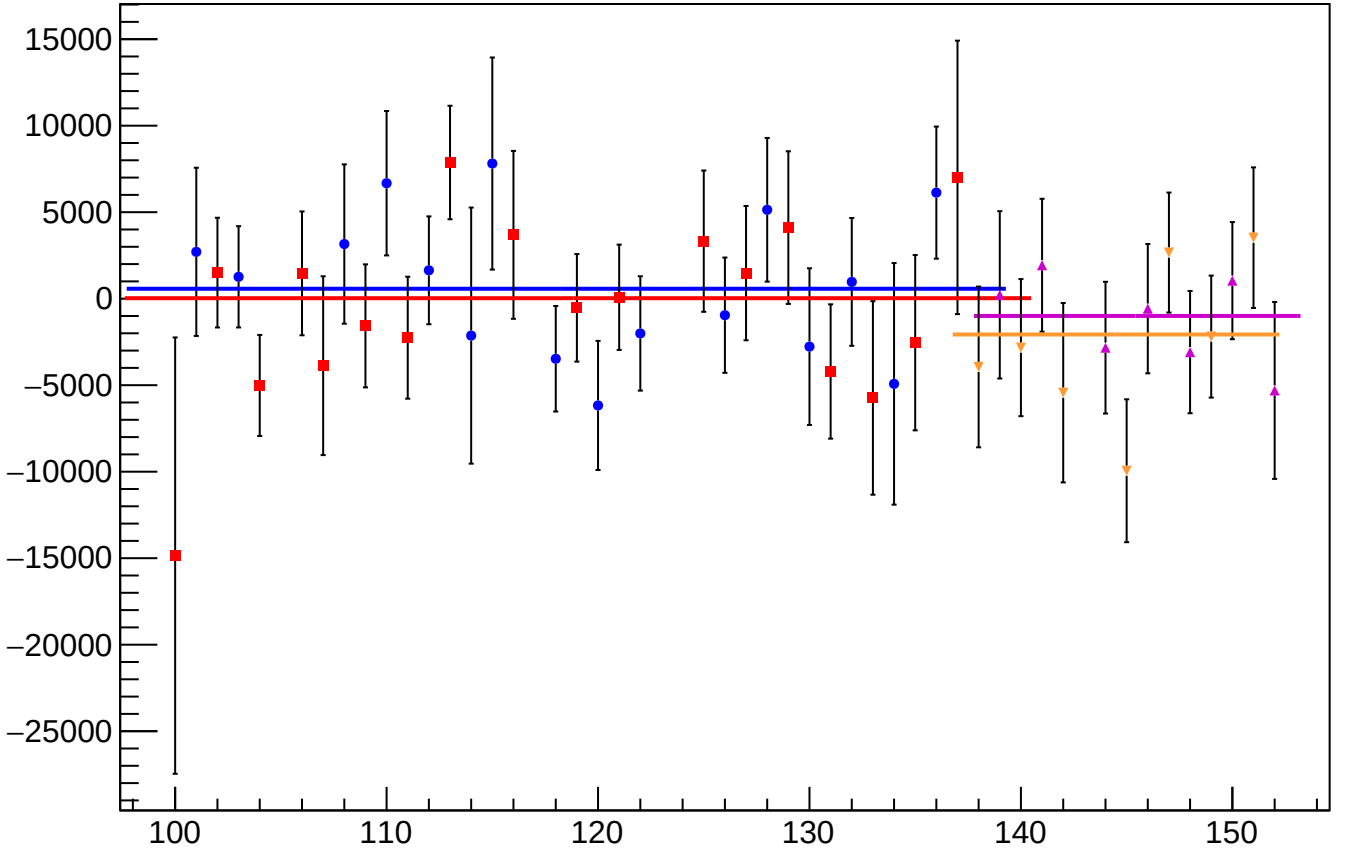
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 970.999+/-0.192 χ^2/NDF:1175293.0/22

Out: 952.616+/-0.194 χ^2/NDF:1057084.9/24

All: 961.878+/-0.136 χ^2/NDF: 2236916.5/47

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -996.670+/-1479.626 χ^2/NDF:2.3/6

Left: -1516.513+/-1061.918 χ^2/NDF: 10.6/13

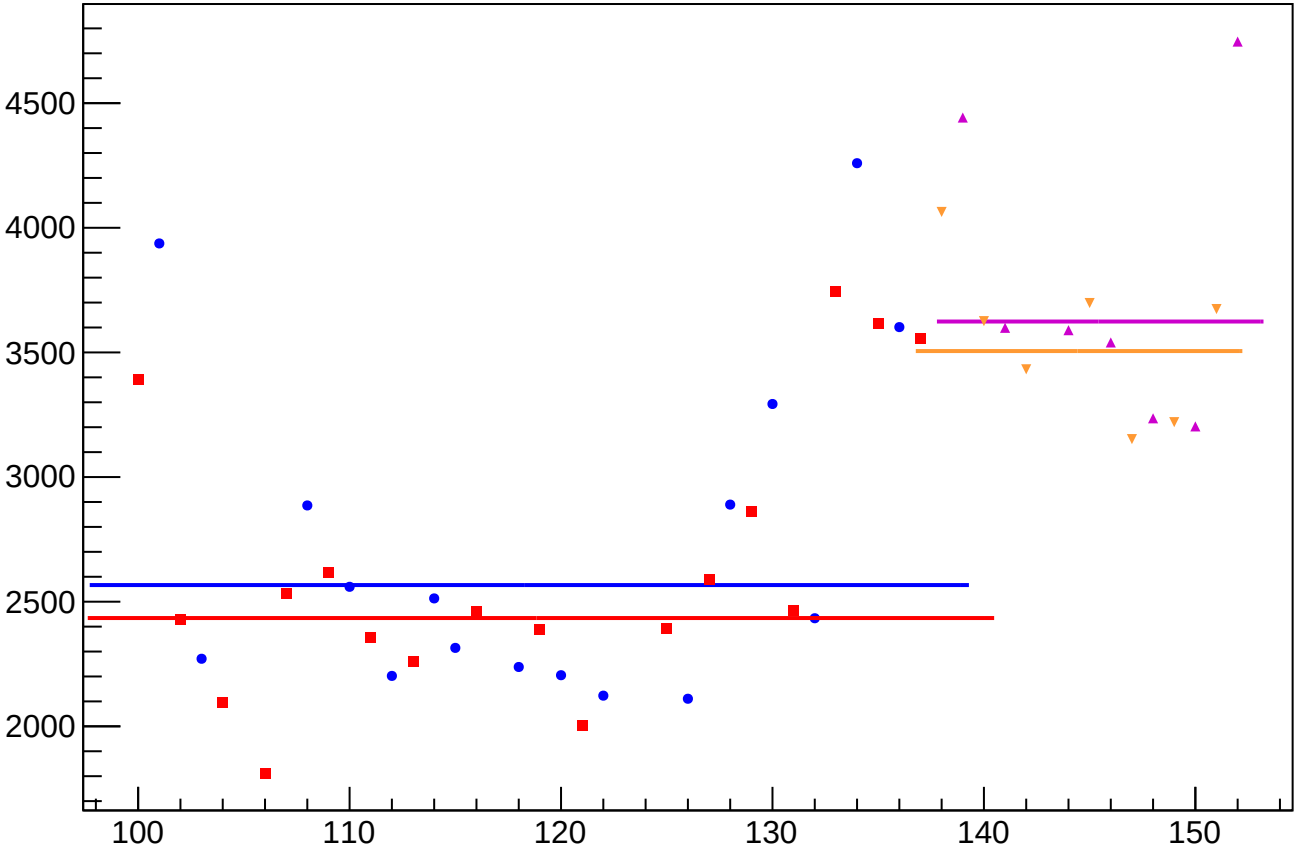
Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 95.841+/-816.958 χ^2/NDF:17.8/22

Out: -532.934+/-789.072 χ^2/NDF:26.6/24

All: -229.461+/-567.561 χ^2/NDF: 44.7/47

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: 3623.964+/-1.046 χ^2/NDF:210024.9/6

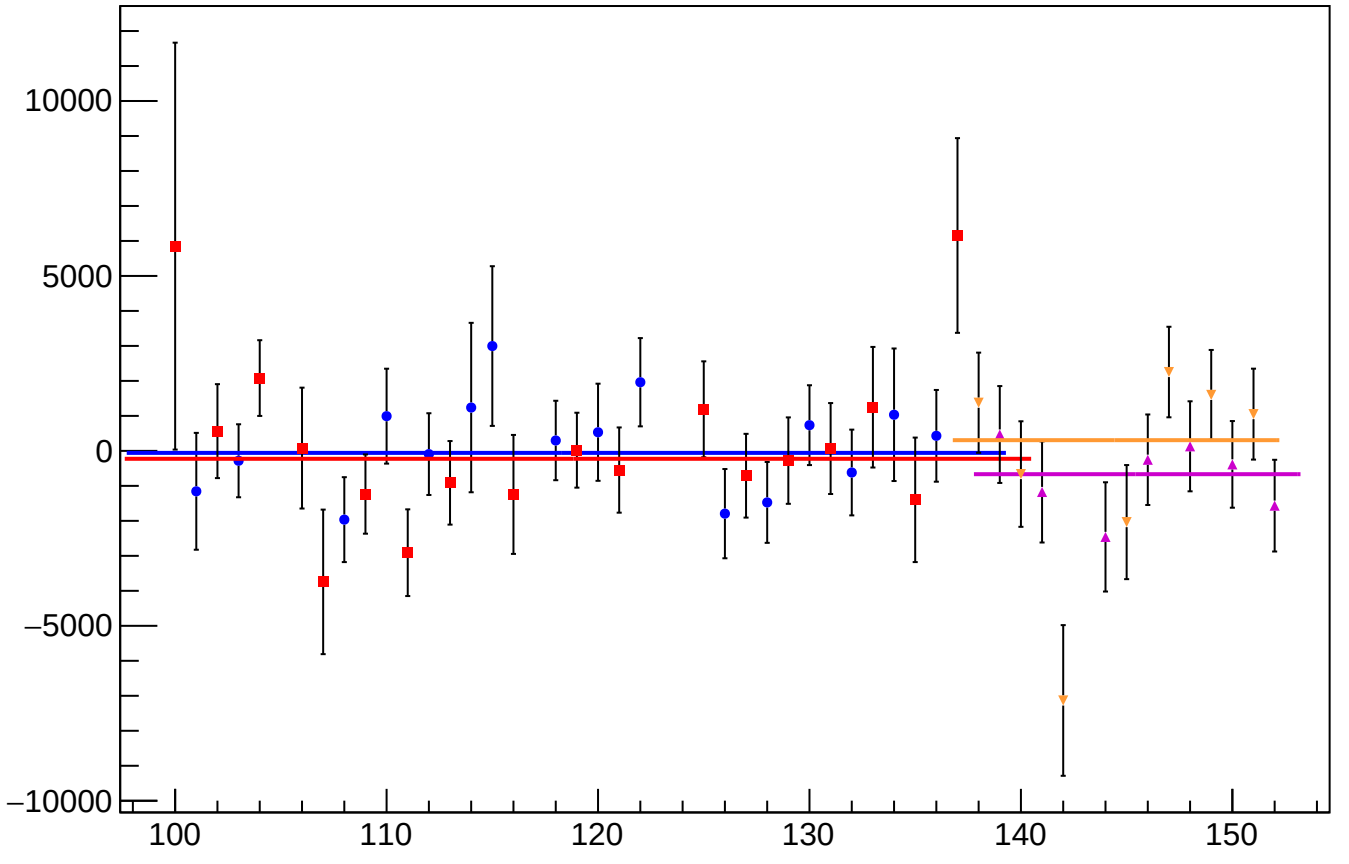
Left: 3566.498+/-0.751 χ^2/NDF: 288977.4/13

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2889.036+/-0.578 χ^2/NDF:1585704.7/22

Out: 2721.190+/-0.558 χ^2/NDF:1229212.1/24

All: 2802.200+/-0.401 χ^2/NDF: 2858592.8/47



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: -666.022+/-509.856 χ^2/NDF:3.1/6

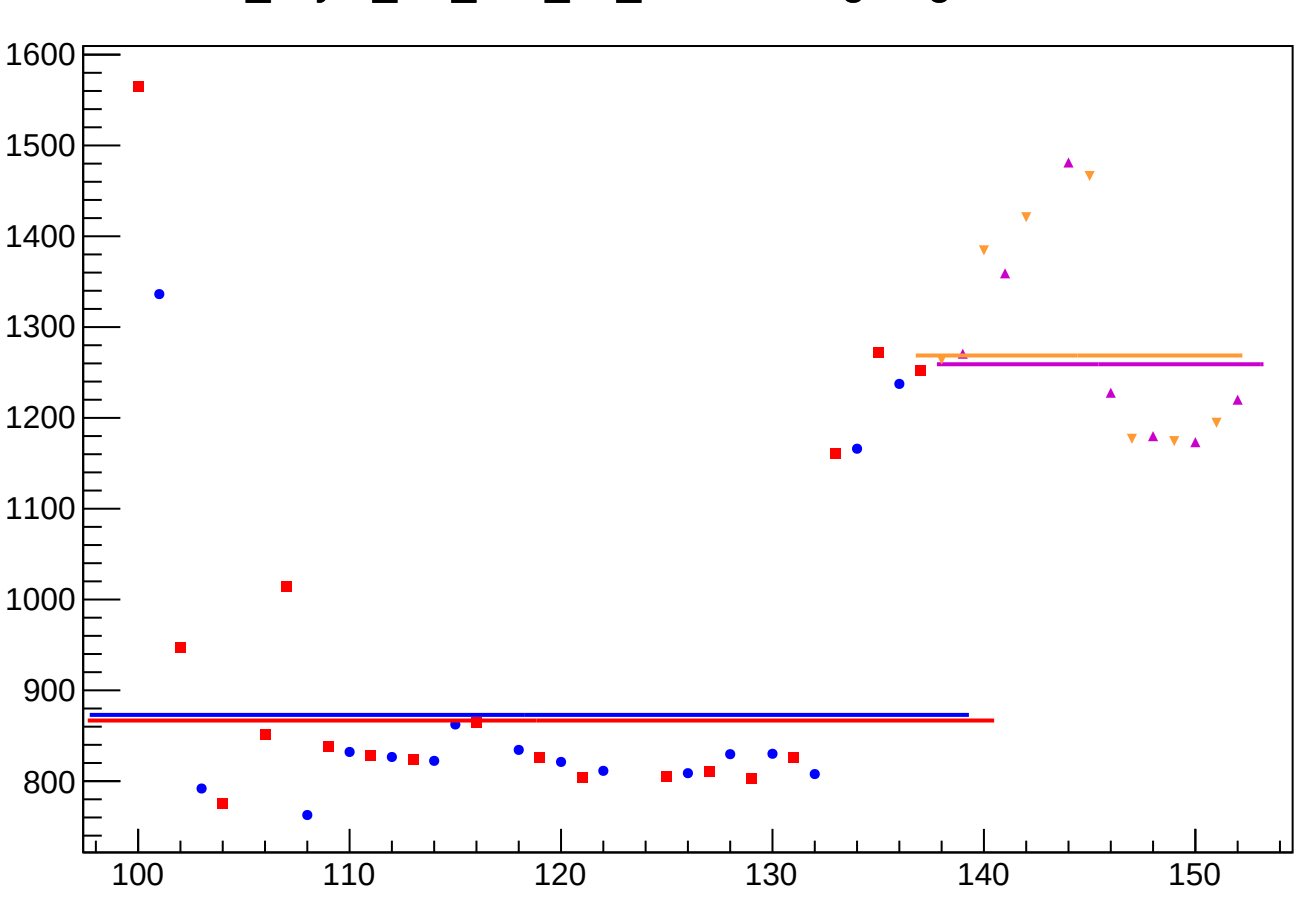
Left: -216.116+/-373.666 χ^2/NDF: 23.4/13

Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -237.022+/-277.087 χ^2/NDF:17.1/22

Out: -86.166+/-281.648 χ^2/NDF:42.2/24

All: -162.825+/-197.523 χ^2/NDF: 59.4/47



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: 1259.078+/-0.361 χ^2/NDF:70359.6/6

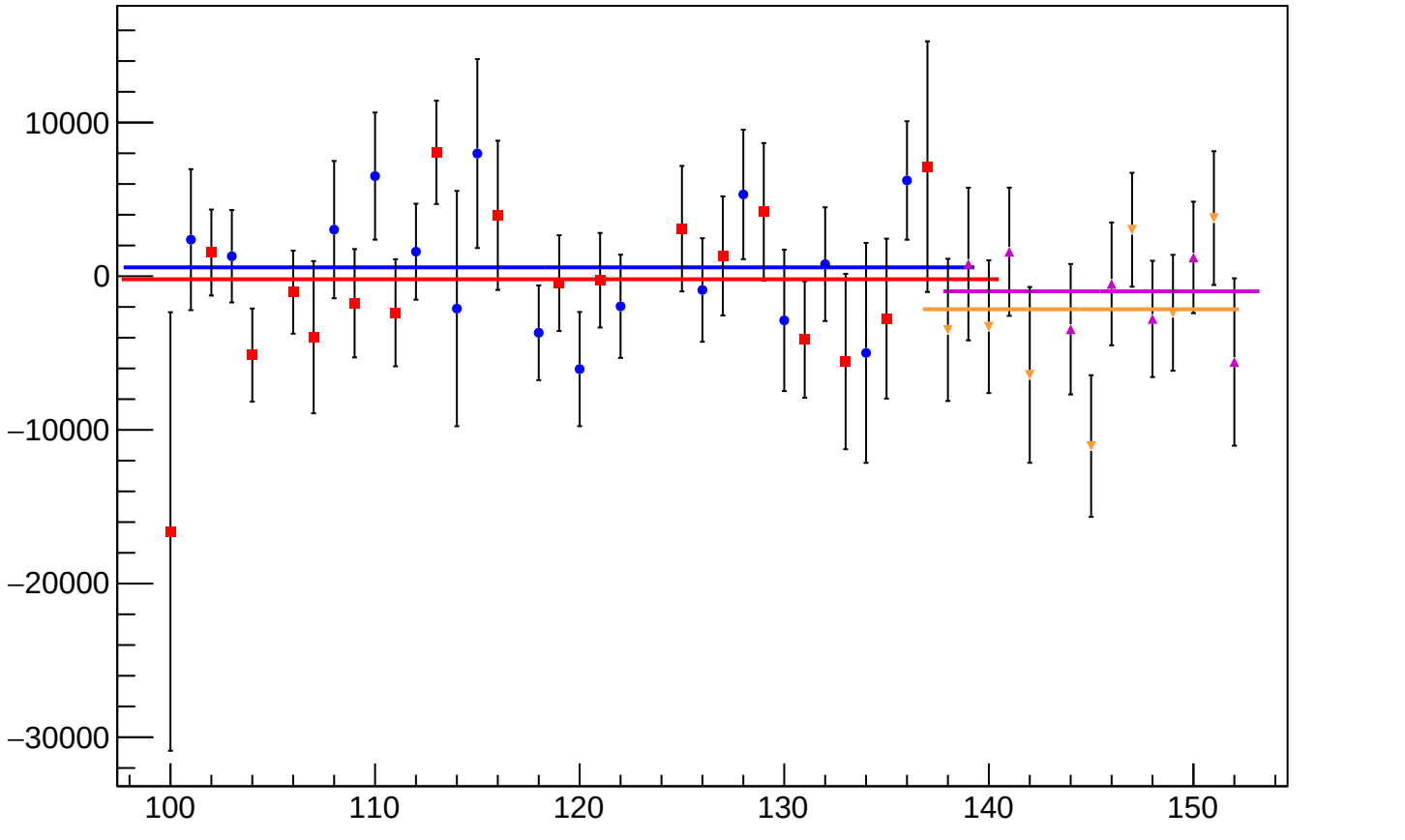
Left: 1263.543+/-0.264 χ^2/NDF: 149195.6/13

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 987.008+/-0.196 χ^2/NDF:1295665.9/22

Out: 972.321+/-0.199 χ^2/NDF:1158822.0/24

All: 979.779+/-0.140 χ^2/NDF: 2457253.6/47



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: -982.793+/-1589.755 χ^2/NDF:2.2/6

Left: -1549.670+/-1139.909 χ^2/NDF: 10.7/13

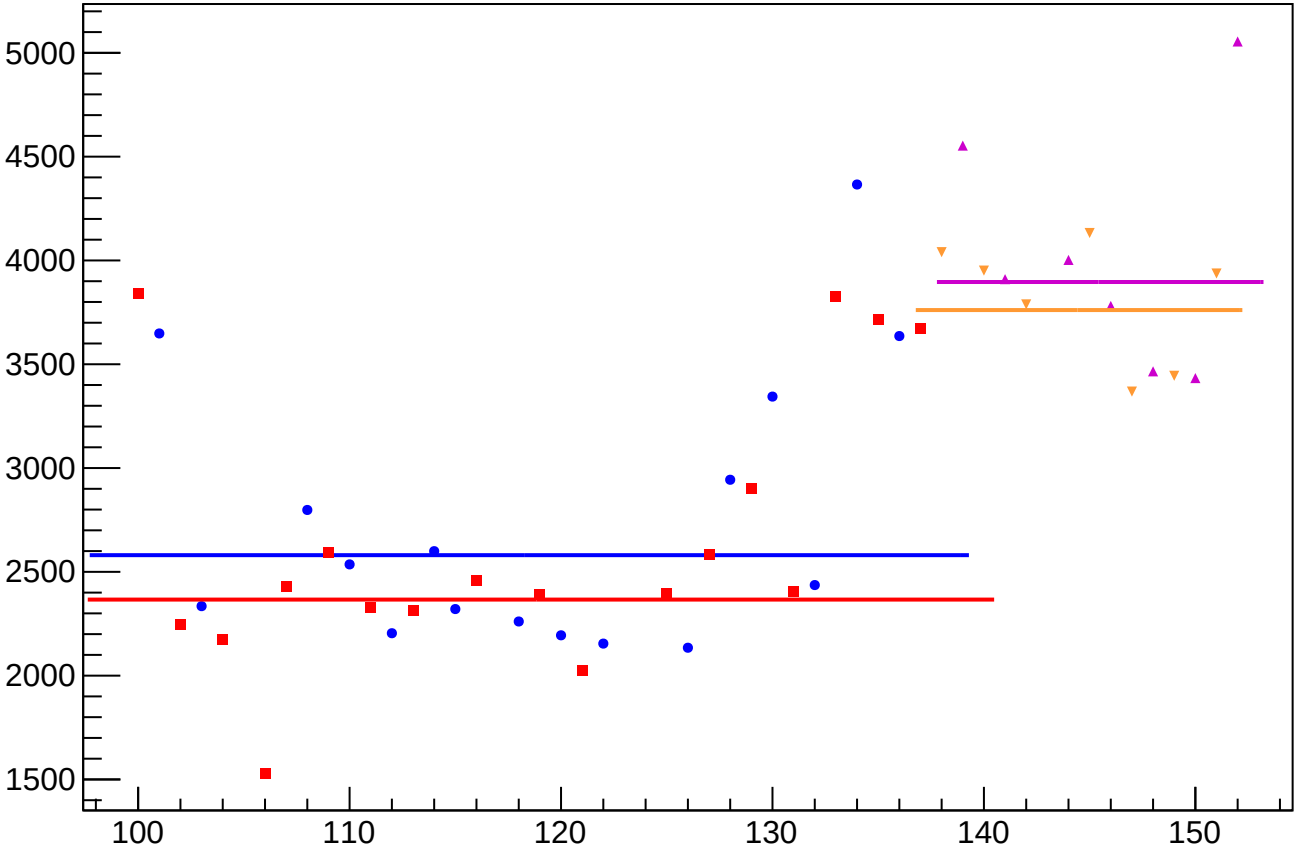
Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 143.133+/-837.238 χ^2/NDF:17.6/22

Out: -647.079+/-784.520 χ^2/NDF:26.5/24

All: -277.634+/-572.470 χ^2/NDF: 44.5/47

asym_usl_atl2_dd_dit_correction_rms vs Slug, Sign Corrected



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: 3896.196+/-1.124 χ^2/NDF:186878.1/6

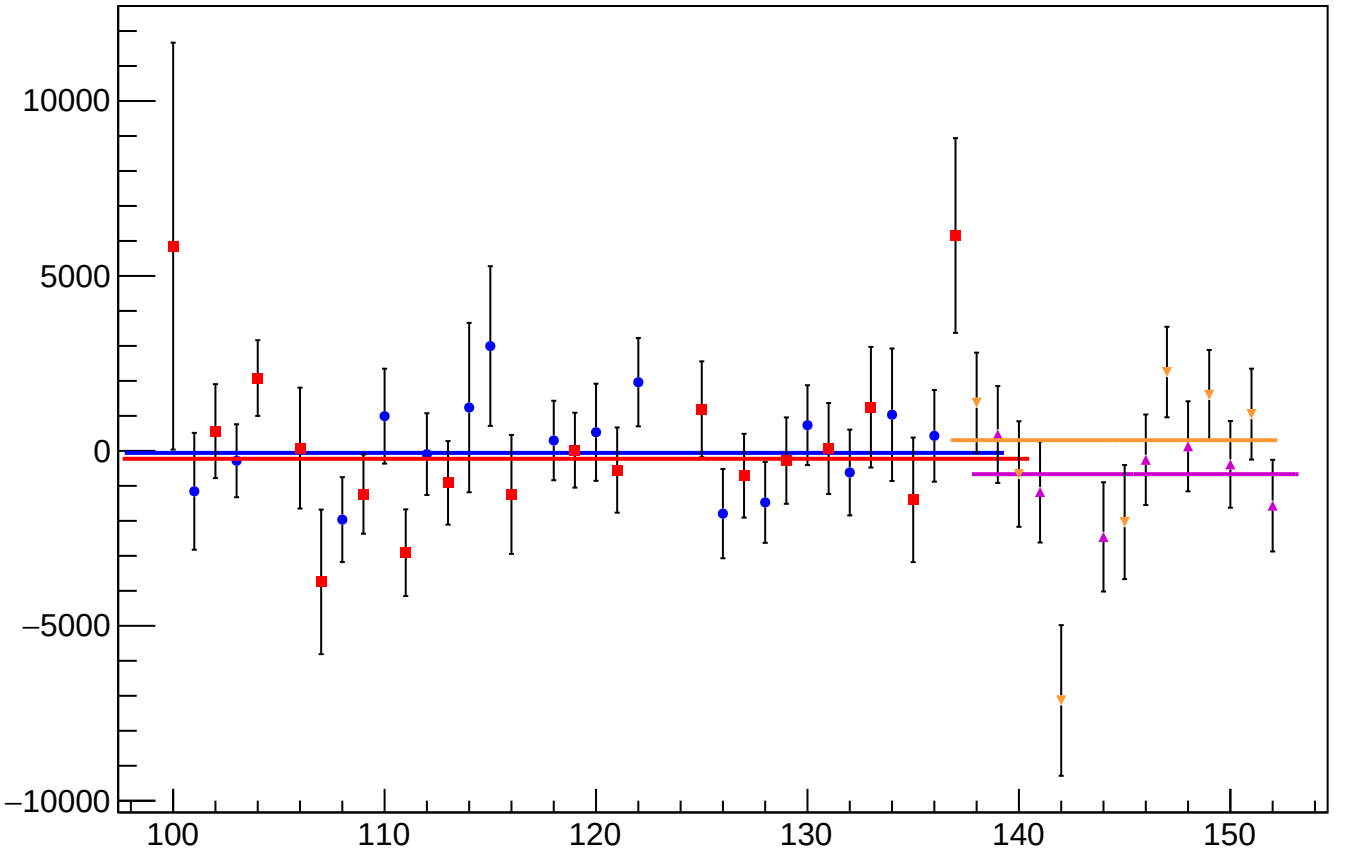
Left: 3830.518+/-0.806 χ^2/NDF: 257898.9/13

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 2945.327+/-0.592 χ^2/NDF:1794150.8/22

Out: 2687.358+/-0.555 χ^2/NDF:1795438.2/24

All: 2807.966+/-0.405 χ^2/NDF: 3690692.1/47



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: -666.023+/-509.856 χ^2/NDF:3.1/6

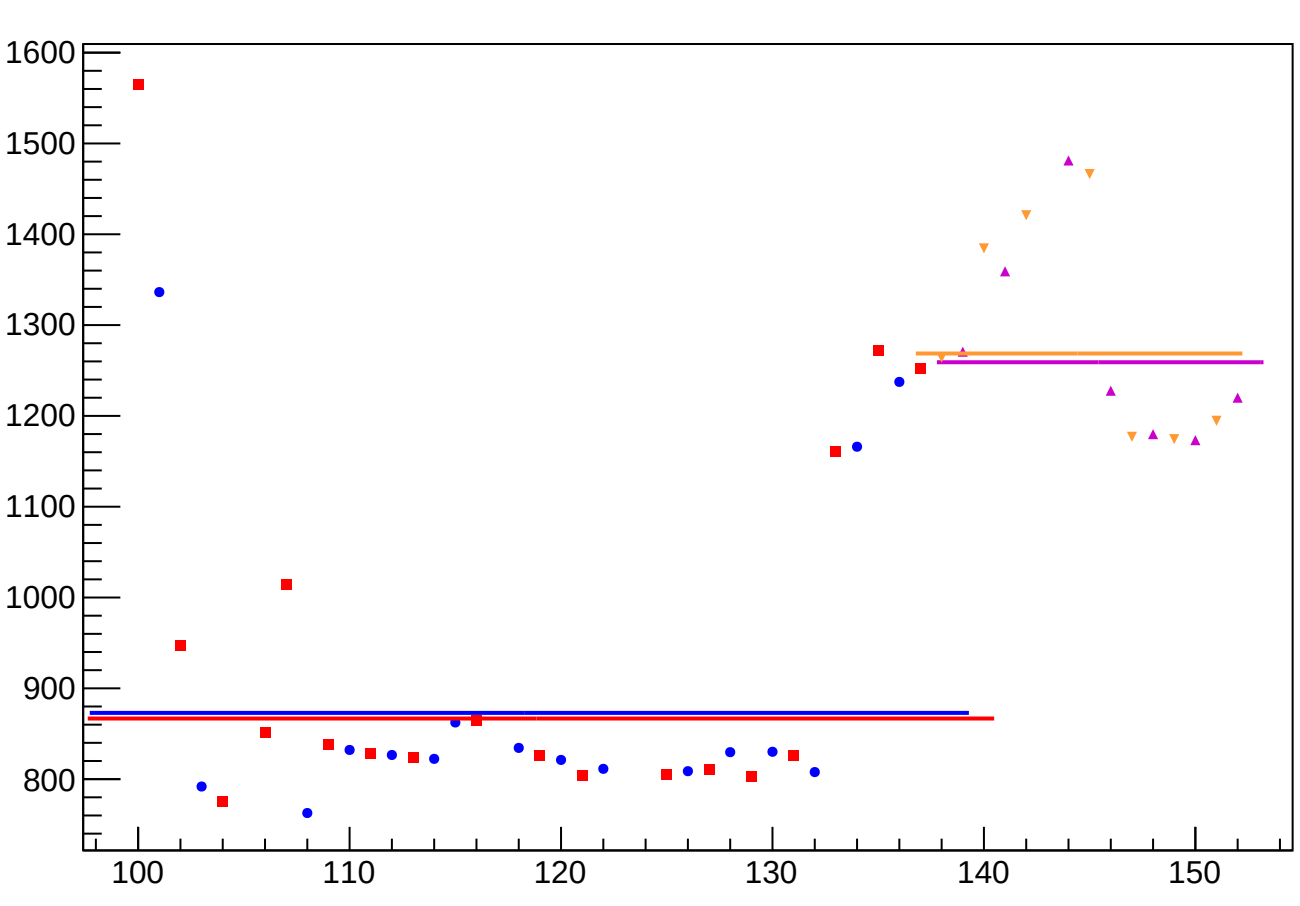
Left: -216.119+/-373.666 χ^2/NDF: 23.4/13

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -237.024+/-277.087 χ^2/NDF:17.1/22

Out: -86.169+/-281.648 χ^2/NDF:42.2/24

All: -162.828+/-197.523 χ^2/NDF: 59.4/47



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: 1259.079+/-0.361 χ^2/NDF:70360.4/6

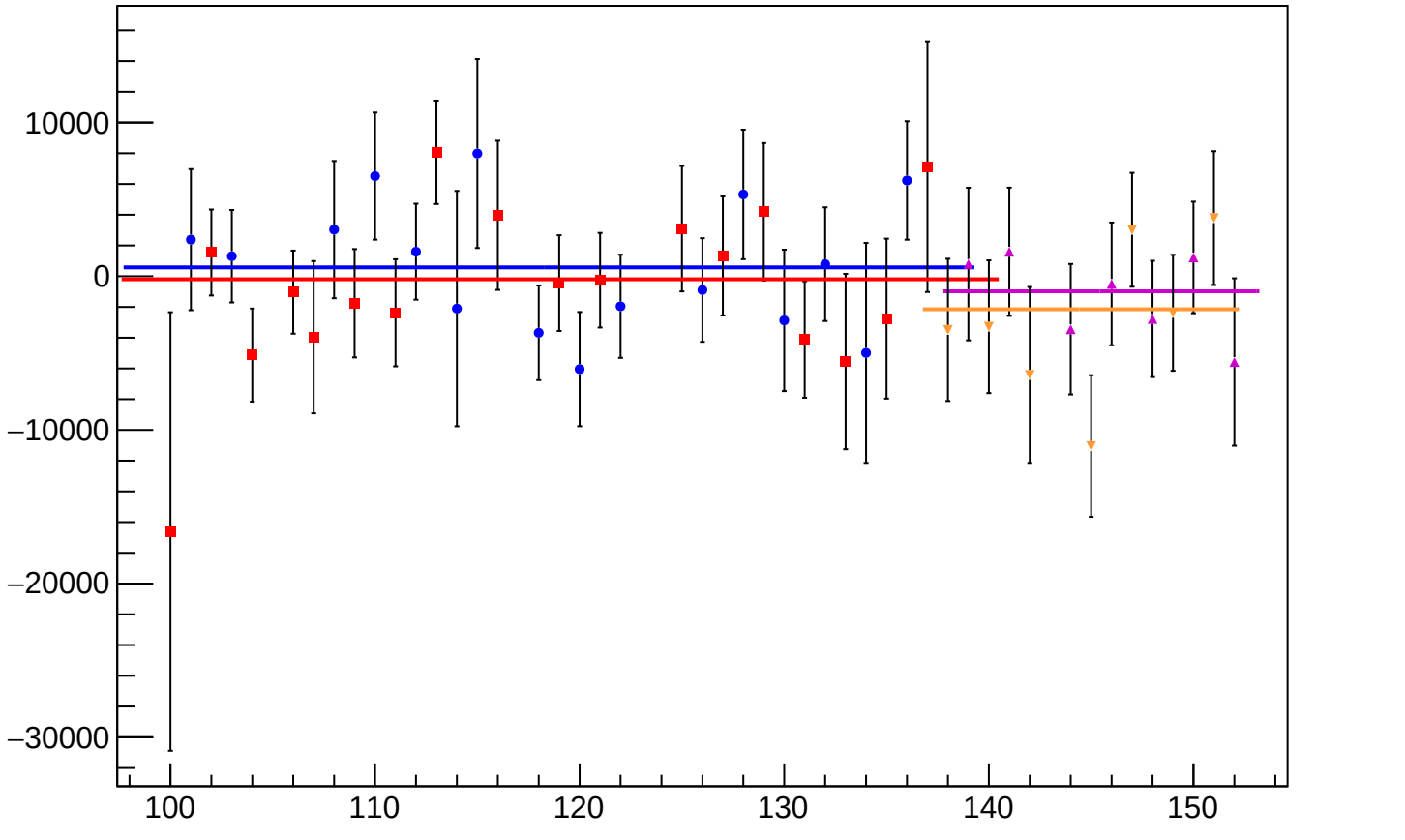
Left: 1263.544+/-0.264 χ^2/NDF: 149197.8/13

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 987.008+/-0.196 χ^2/NDF:1295669.3/22

Out: 972.321+/-0.199 χ^2/NDF:1158825.5/24

All: 979.779+/-0.140 χ^2/NDF: 2457260.6/47



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -2149.539+/-1635.363 χ^2/NDF:8.3/6

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -982.793+/-1589.757 χ^2/NDF:2.2/6

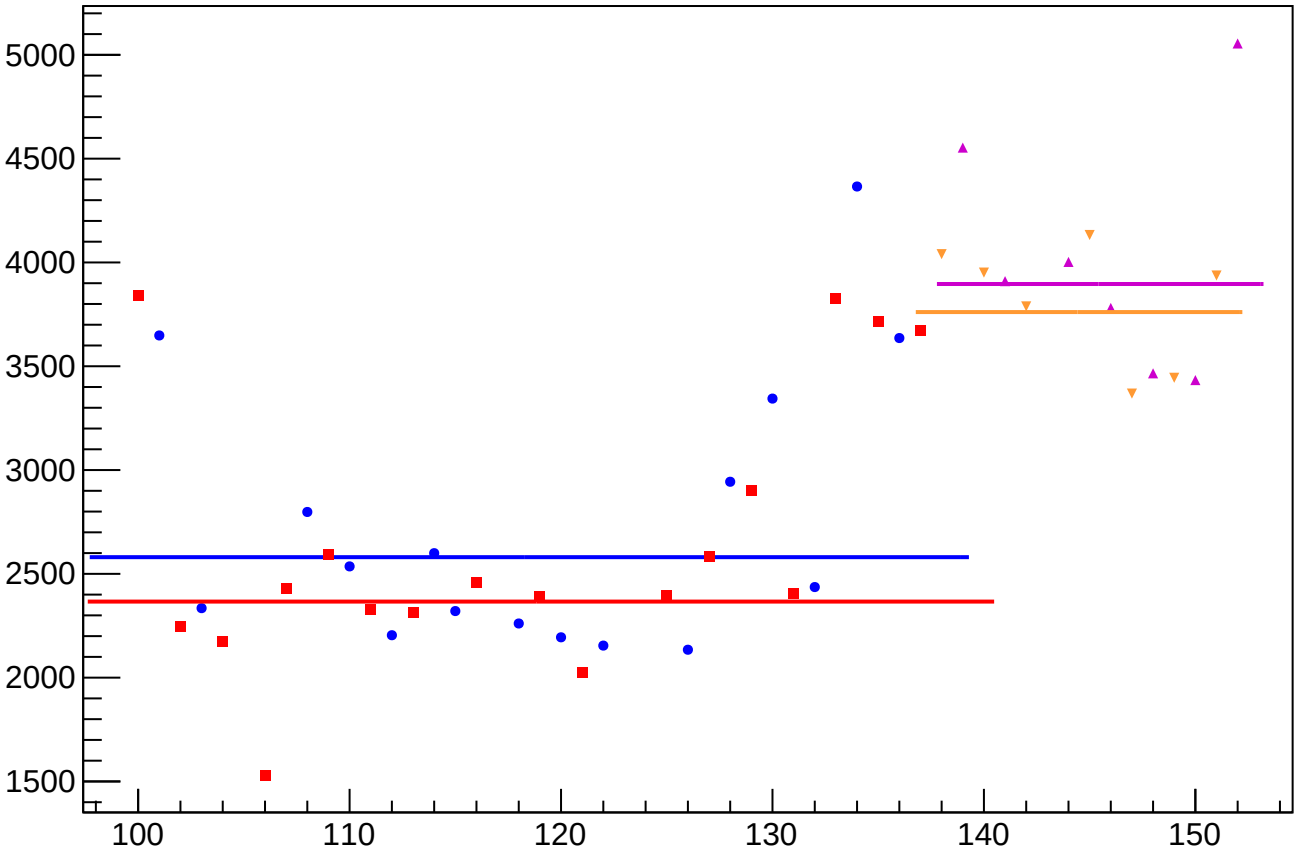
Left: -1549.670+/-1139.910 χ^2/NDF: 10.7/13

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 143.132+/-837.237 χ^2/NDF:17.6/22

Out: -647.078+/-784.519 χ^2/NDF:26.5/24

All: -277.633+/-572.469 χ^2/NDF: 44.5/47



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: 3896.200+/-1.124 χ^2/NDF:186881.0/6

Left: 3830.522+/-0.806 χ^2/NDF: 257903.7/13

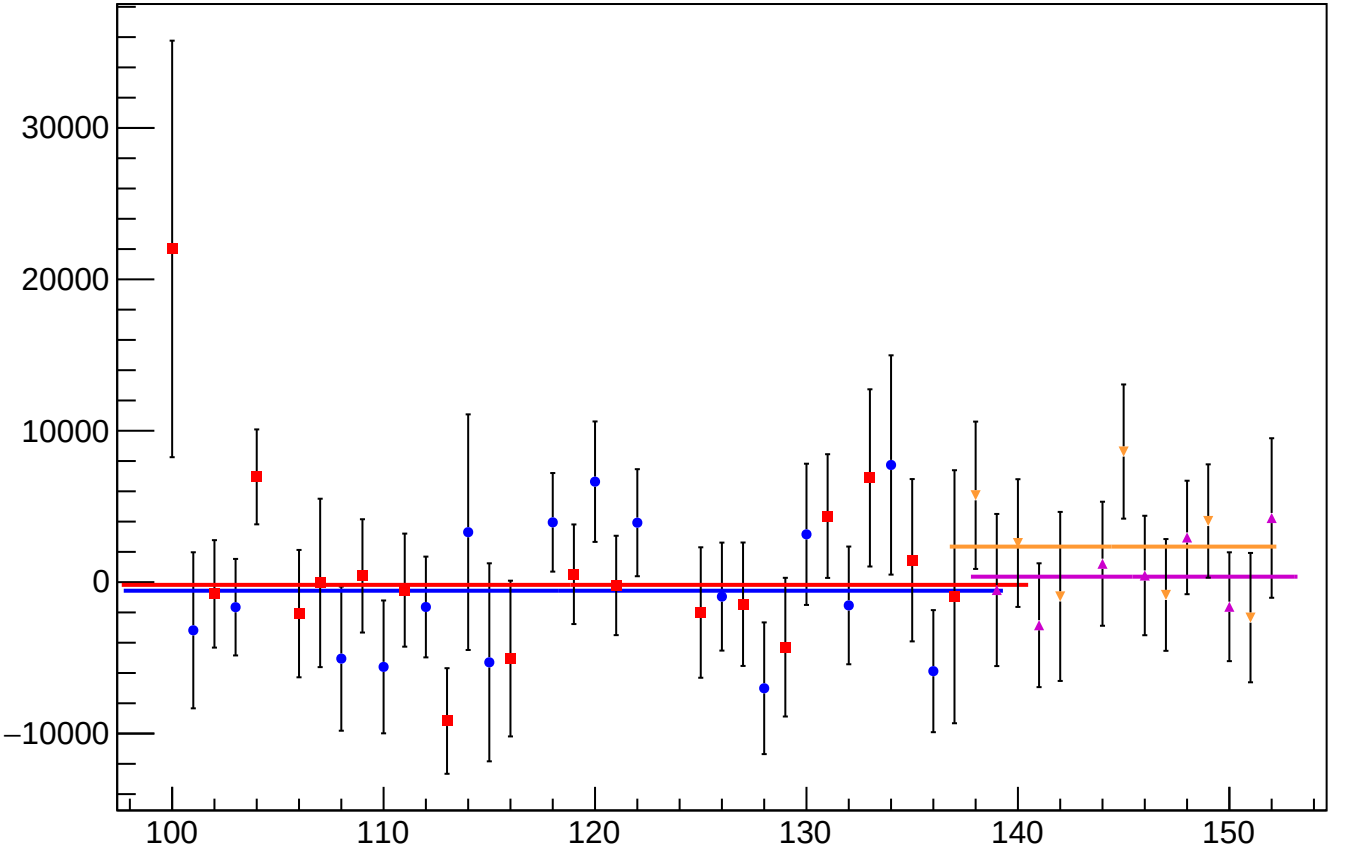
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 2945.320+/-0.592 χ^2/NDF:1794180.0/22

Out: 2687.352+/-0.555 χ^2/NDF:1795461.7/24

All: 2807.959+/-0.405 χ^2/NDF: 3690744.4/47

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



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: 361.347+/-1565.803 χ^2/NDF:2.0/6

Left: 1320.762+/-1125.890 χ^2/NDF: 7.8/13

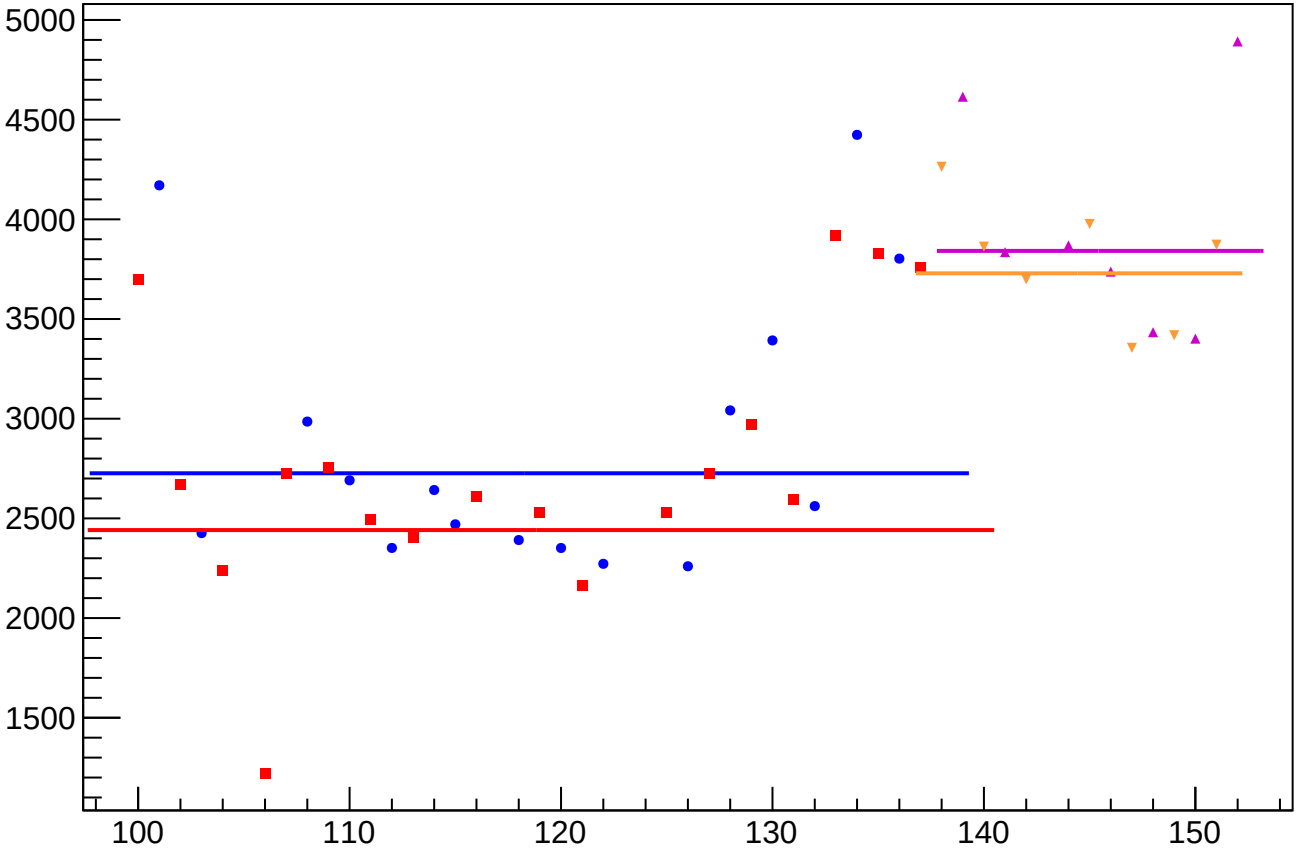
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -282.075+/-866.500 χ^2/NDF:18.5/22

Out: 506.701+/-843.761 χ^2/NDF:26.3/24

All: 122.798+/-604.508 χ^2/NDF: 45.2/47

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: 3841.705+/-1.107 χ^2/NDF:182081.5/6

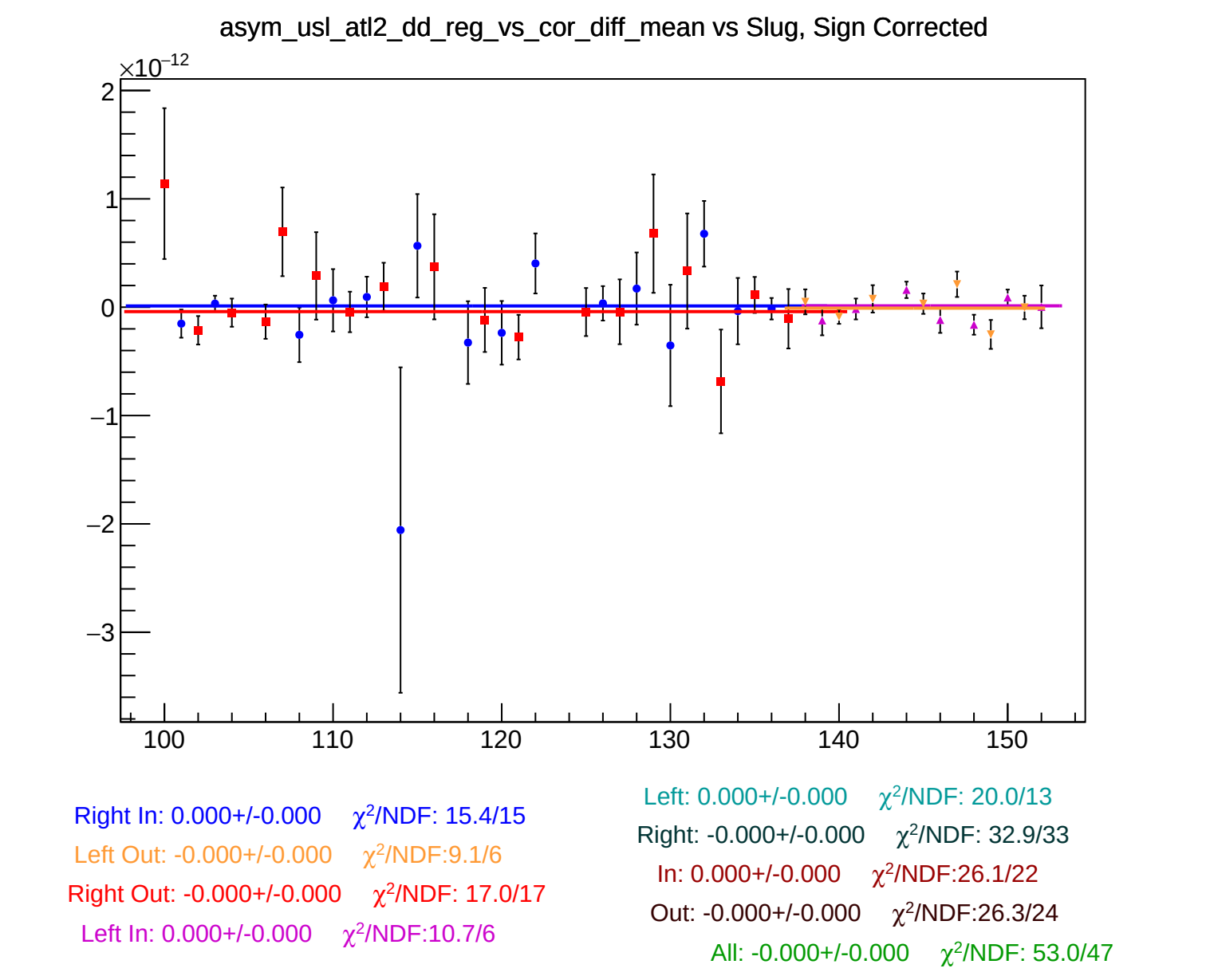
Left: 3787.341+/-0.796 χ^2/NDF: 256039.7/13

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3067.834+/-0.613 χ^2/NDF:1509340.8/22

Out: 2767.357+/-0.576 χ^2/NDF:1903891.5/24

All: 2908.423+/-0.420 χ^2/NDF: 3540824.4/47


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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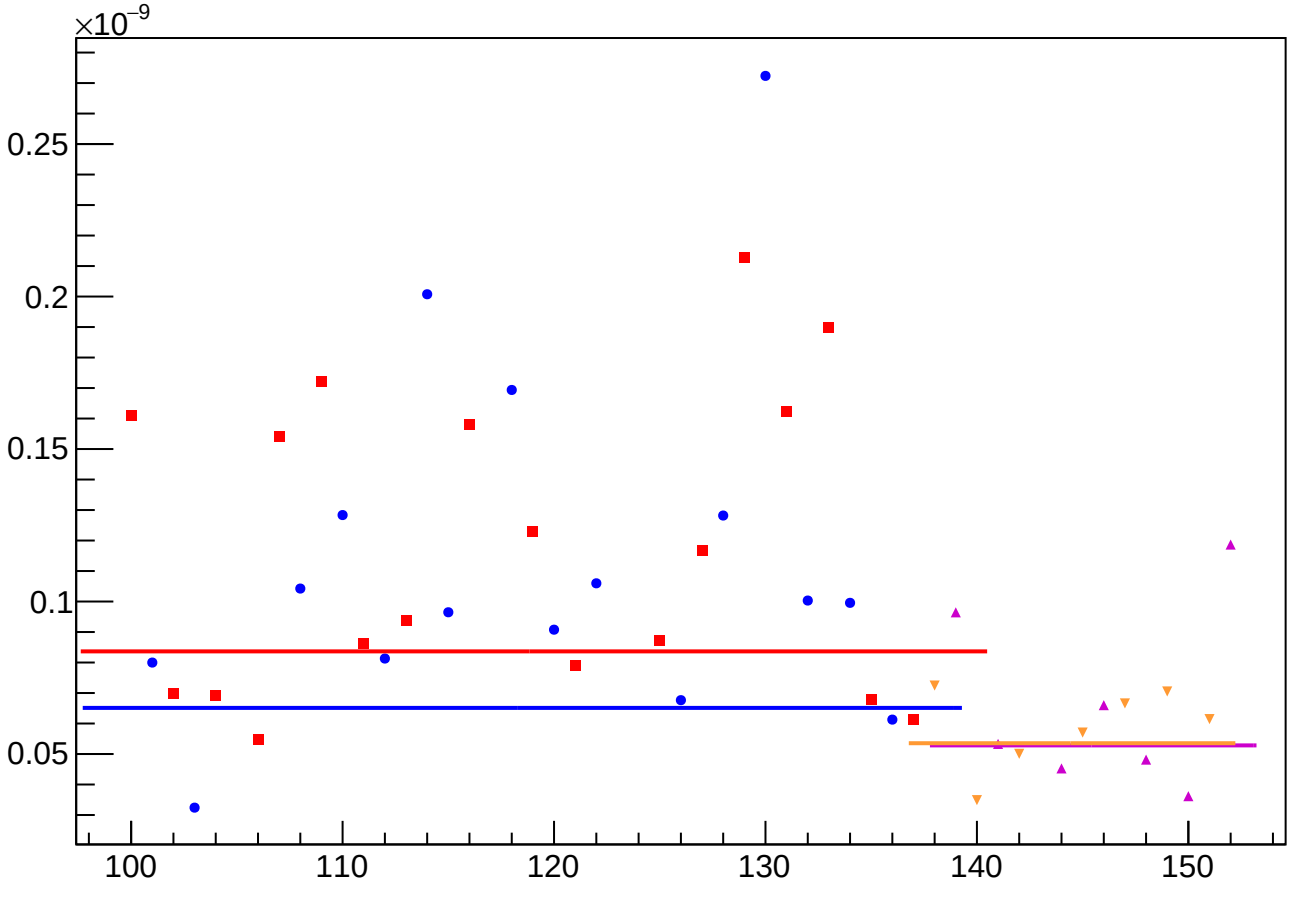
140
150
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:9.1/6
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:10.7/6
Left: 0.000+/-0.000 χ²/NDF: 20.0/13
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:26.1/22
Out: -0.000+/-0.000 χ²/NDF:26.3/24
All: -0.000+/-0.000 χ²/NDF: 53.0/47



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:577171.7/6

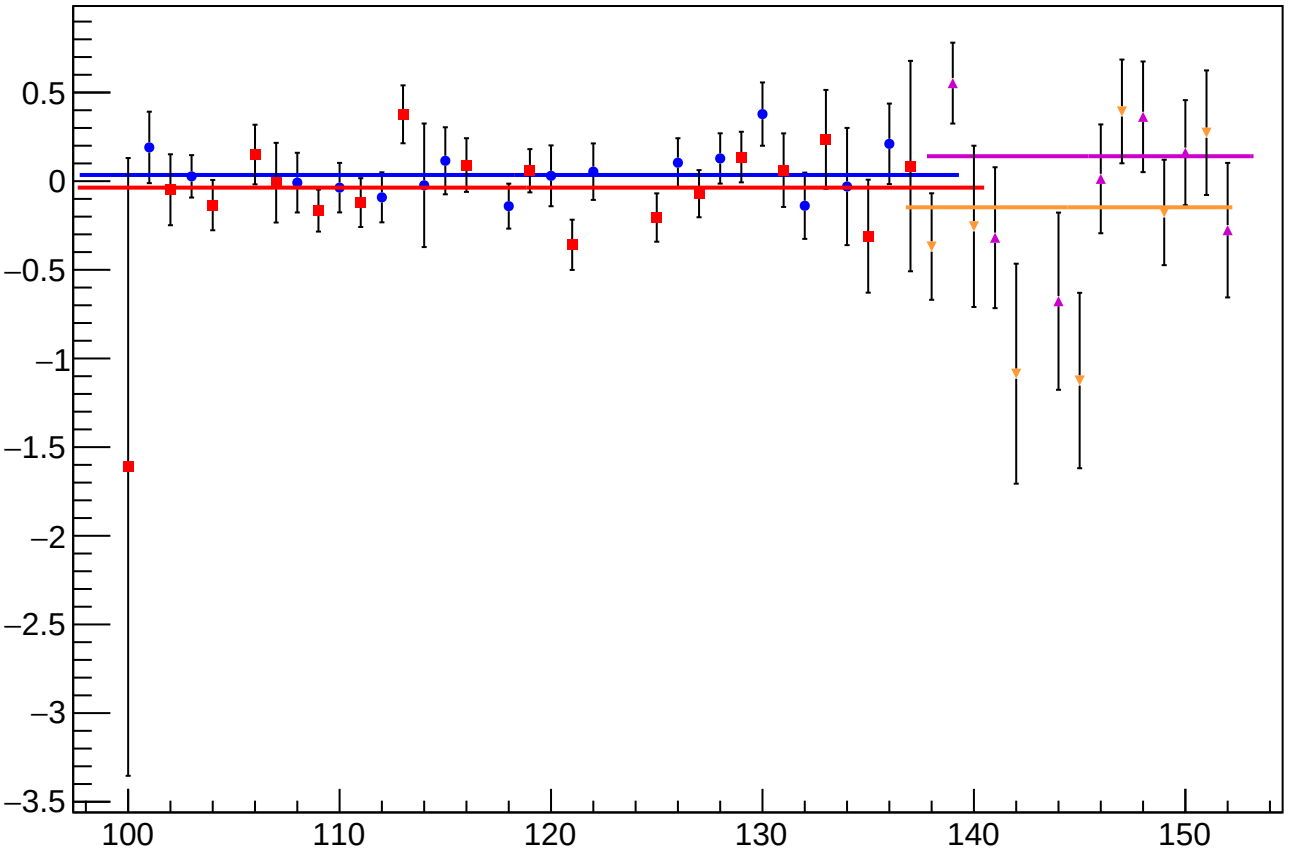
Left: 0.000+/-0.000 χ^2/NDF: 858990.3/13

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:1891357.2/22

Out: 0.000+/-0.000 χ^2/NDF:1394951.1/24

All: 0.000+/-0.000 χ^2/NDF: 3324890.9/47



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: 0.141+/-0.121 χ^2/NDF:9.2/6

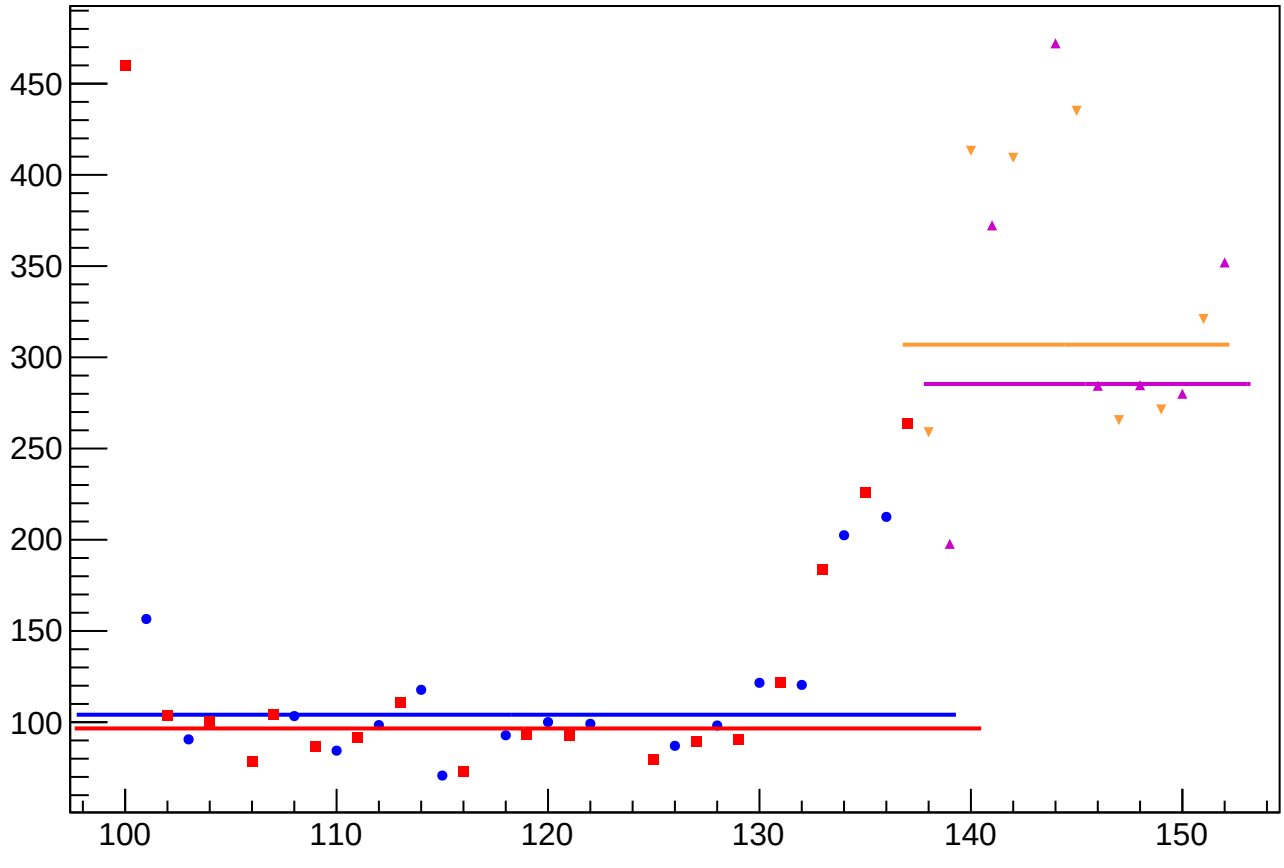
Left: 0.014+/-0.090 χ^2/NDF: 23.3/13

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.046+/-0.039 χ^2/NDF:19.6/22

Out: -0.045+/-0.037 χ^2/NDF:34.3/24

All: -0.001+/-0.027 χ^2/NDF: 56.8/47



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: 285.388+/-0.085 χ^2/NDF:732412.5/6

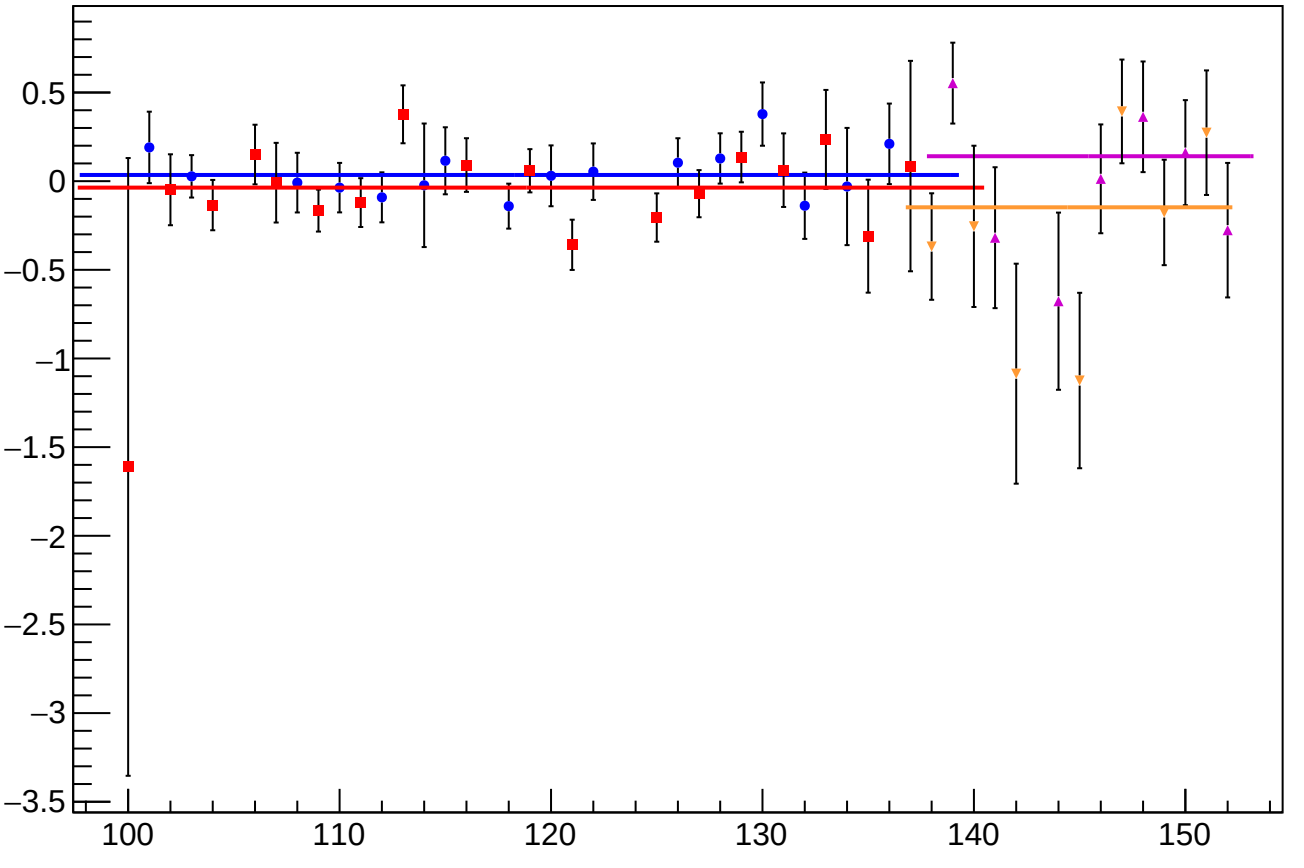
Left: 294.835+/-0.064 χ^2/NDF: 1181238.8/13

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 122.915+/-0.027 χ^2/NDF:5774556.6/22

Out: 112.382+/-0.026 χ^2/NDF:5773017.3/24

All: 117.450+/-0.019 χ^2/NDF: 11623864.5/47



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: 0.141+/-0.121 χ^2/NDF:9.2/6

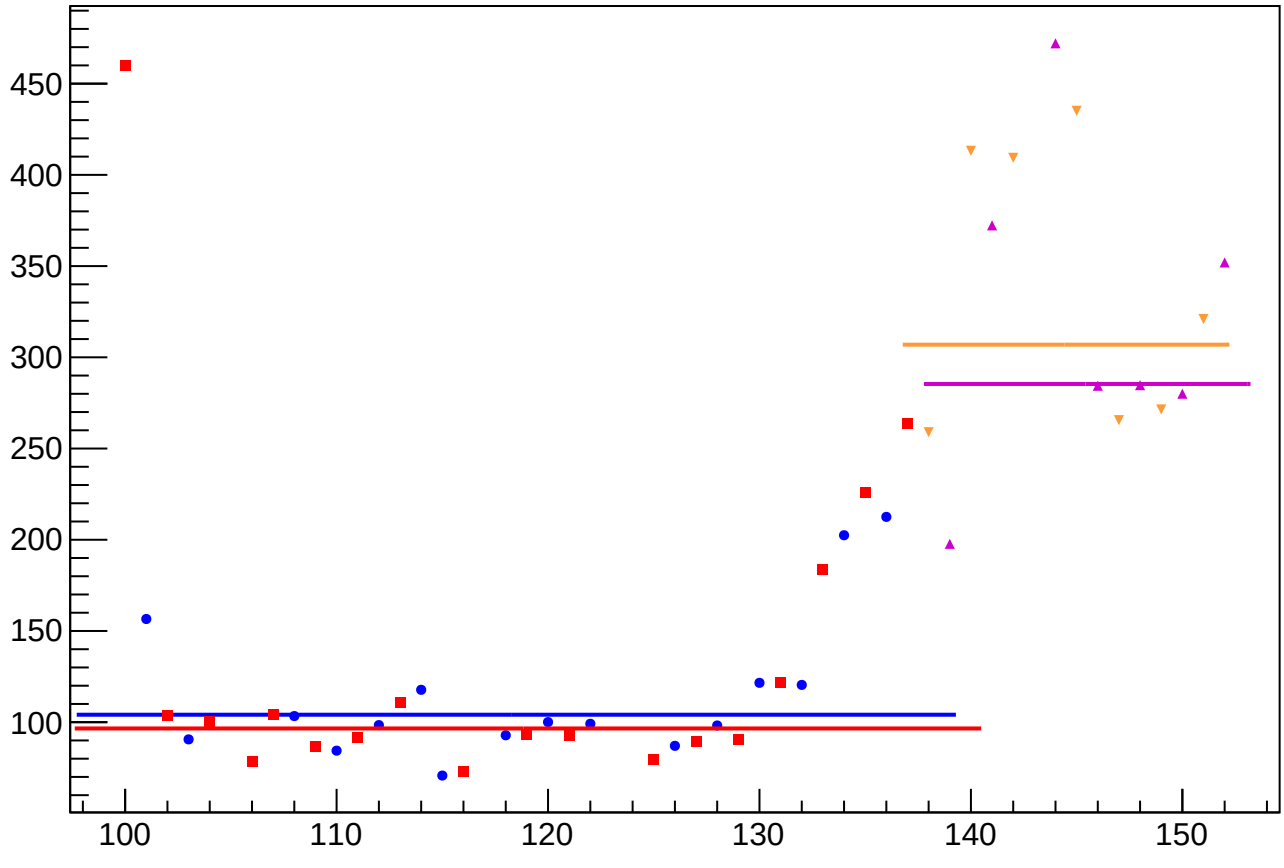
Left: 0.014+/-0.090 χ^2/NDF: 23.3/13

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.046+/-0.039 χ^2/NDF:19.6/22

Out: -0.045+/-0.037 χ^2/NDF:34.3/24

All: -0.001+/-0.027 χ^2/NDF: 56.8/47


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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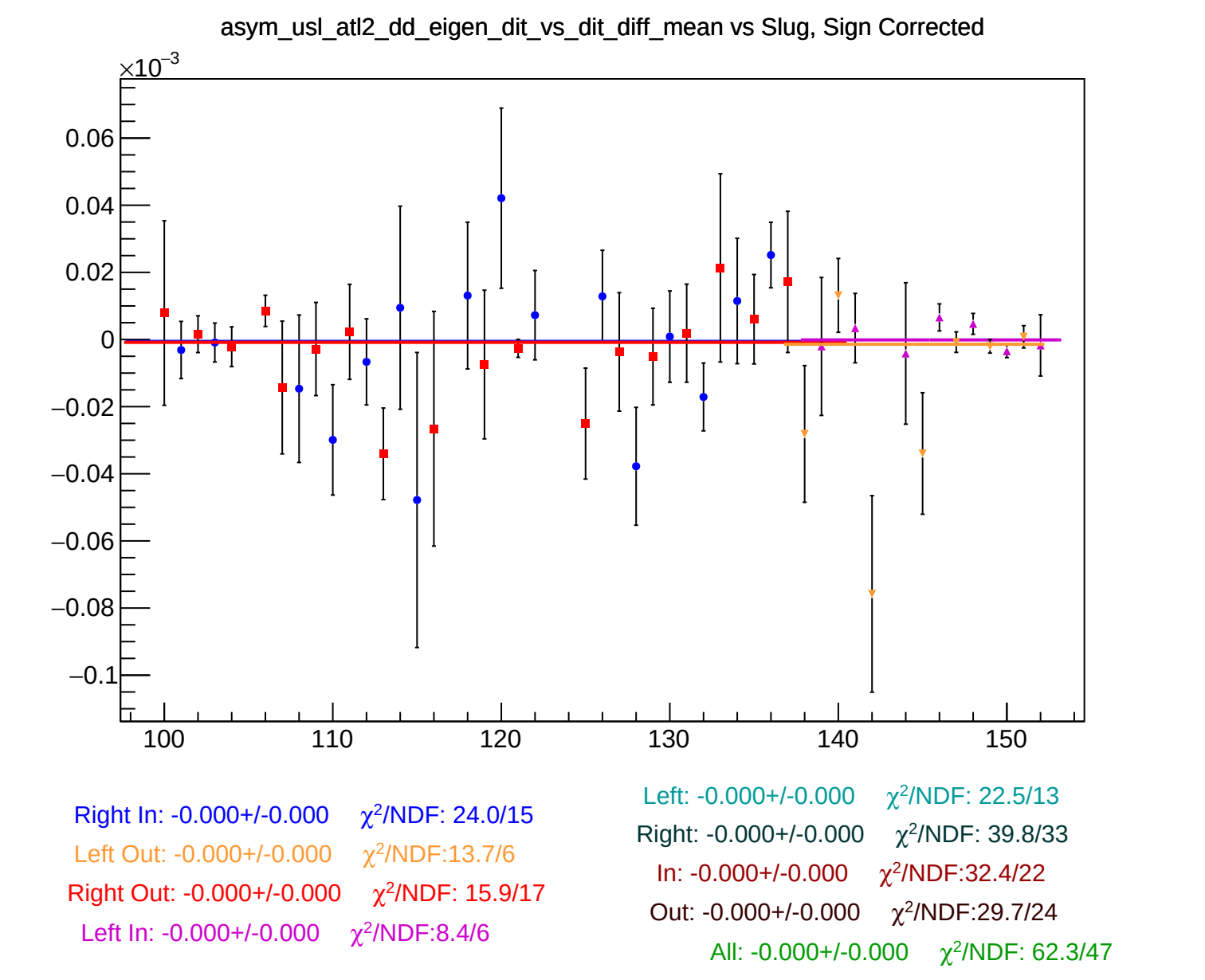
Right In: 104.099+/-0.029 χ²/NDF: 989856.1/15
Left Out: 306.934+/-0.096 χ²/NDF:420823.2/6
Right Out: 96.569+/-0.028 χ²/NDF: 955547.2/17
Left In: 285.388+/-0.085 χ²/NDF:732412.5/6
Left: 294.835+/-0.064 χ²/NDF: 1181238.8/13
Right: 100.134+/-0.020 χ²/NDF: 1980876.5/33
In: 122.915+/-0.027 χ²/NDF:5774556.6/22
Out: 112.382+/-0.026 χ²/NDF:5773017.3/24
All: 117.450+/-0.019 χ²/NDF: 11623864.5/47


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.06
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0
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−0.04
−0.06
−0.08
−0.1
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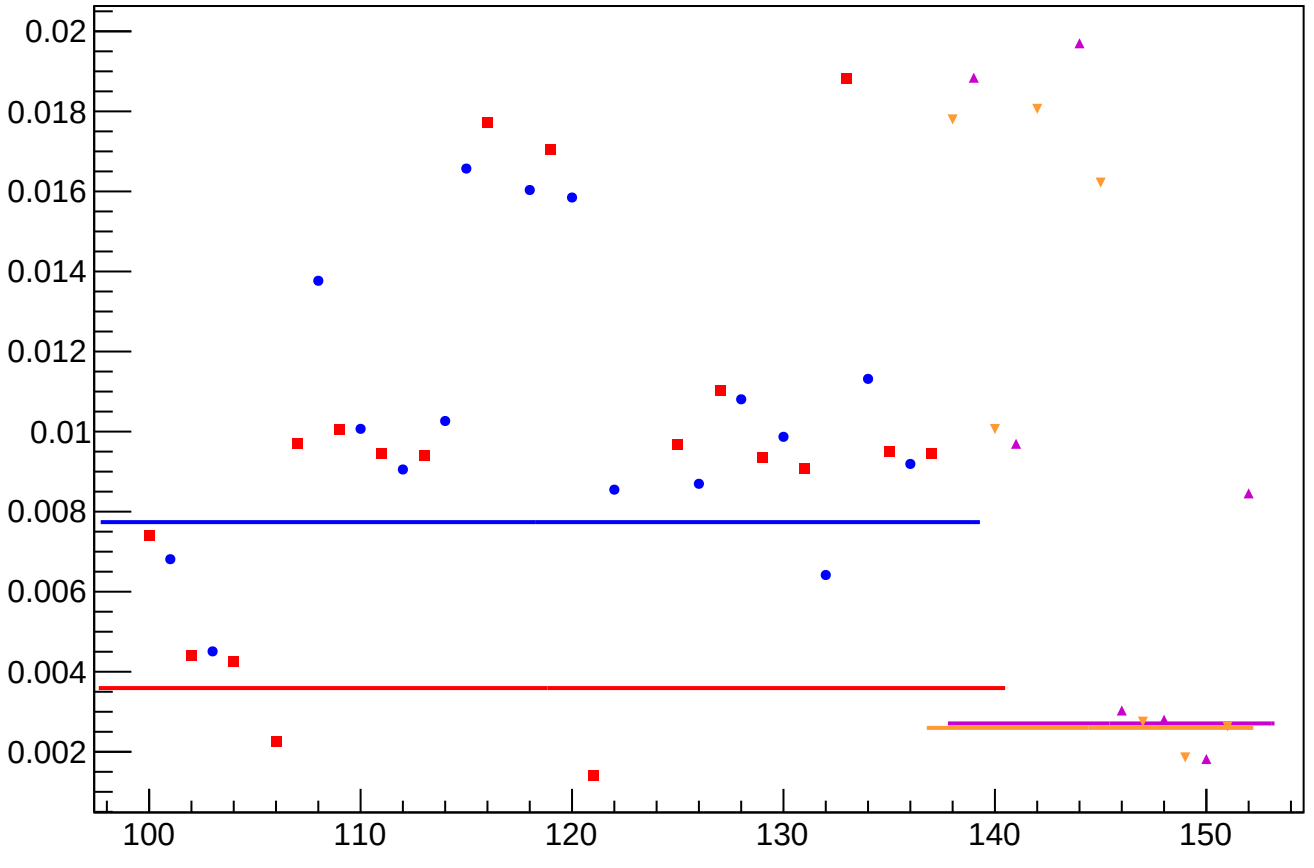
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:13.7/6
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:8.4/6
Left: -0.000+/-0.000 χ²/NDF: 22.5/13
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: -0.000+/-0.000 χ²/NDF:32.4/22
Out: -0.000+/-0.000 χ²/NDF:29.7/24
All: -0.000+/-0.000 χ²/NDF: 62.3/47



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:4682334.7/6

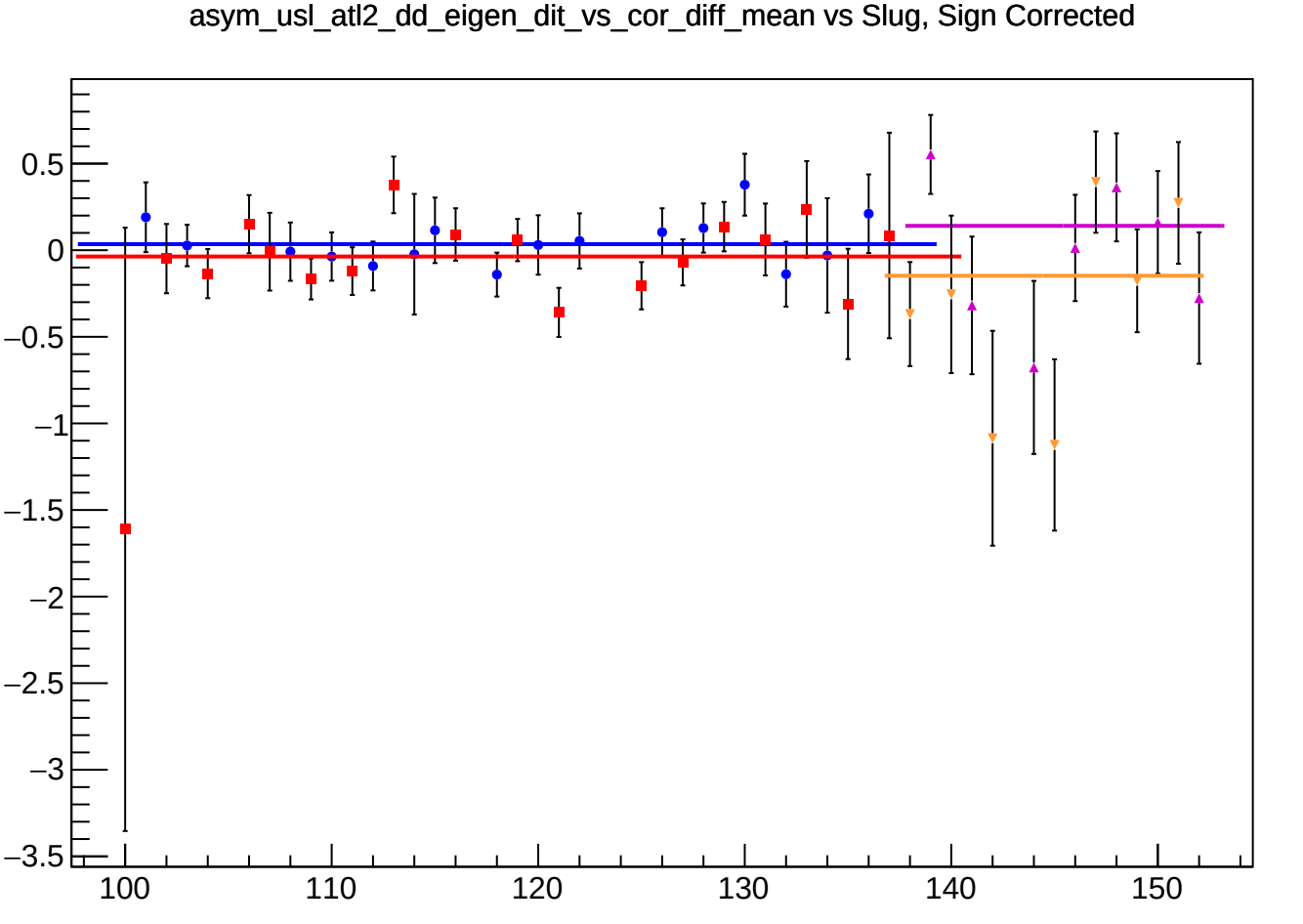
Left: 0.003+/-0.000 χ^2/NDF: 8681866.3/13

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:10652885.7/22

Out: 0.003+/-0.000 χ^2/NDF:10713014.5/24

All: 0.003+/-0.000 χ^2/NDF: 21629483.8/47



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: 0.141+/-0.121 χ^2/NDF:9.2/6

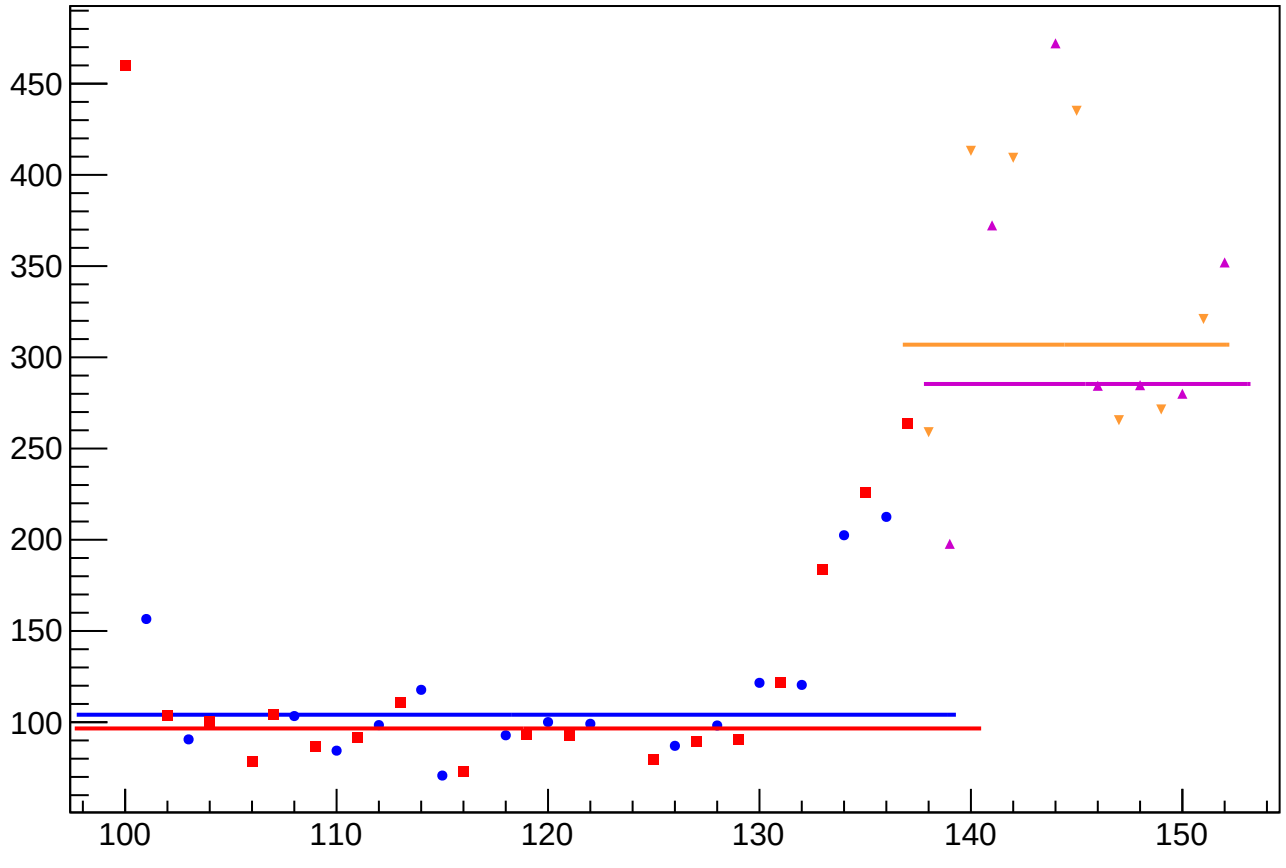
Left: 0.014+/-0.090 χ^2/NDF: 23.3/13

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.046+/-0.039 χ^2/NDF:19.6/22

Out: -0.045+/-0.037 χ^2/NDF:34.3/24

All: -0.001+/-0.027 χ^2/NDF: 56.8/47


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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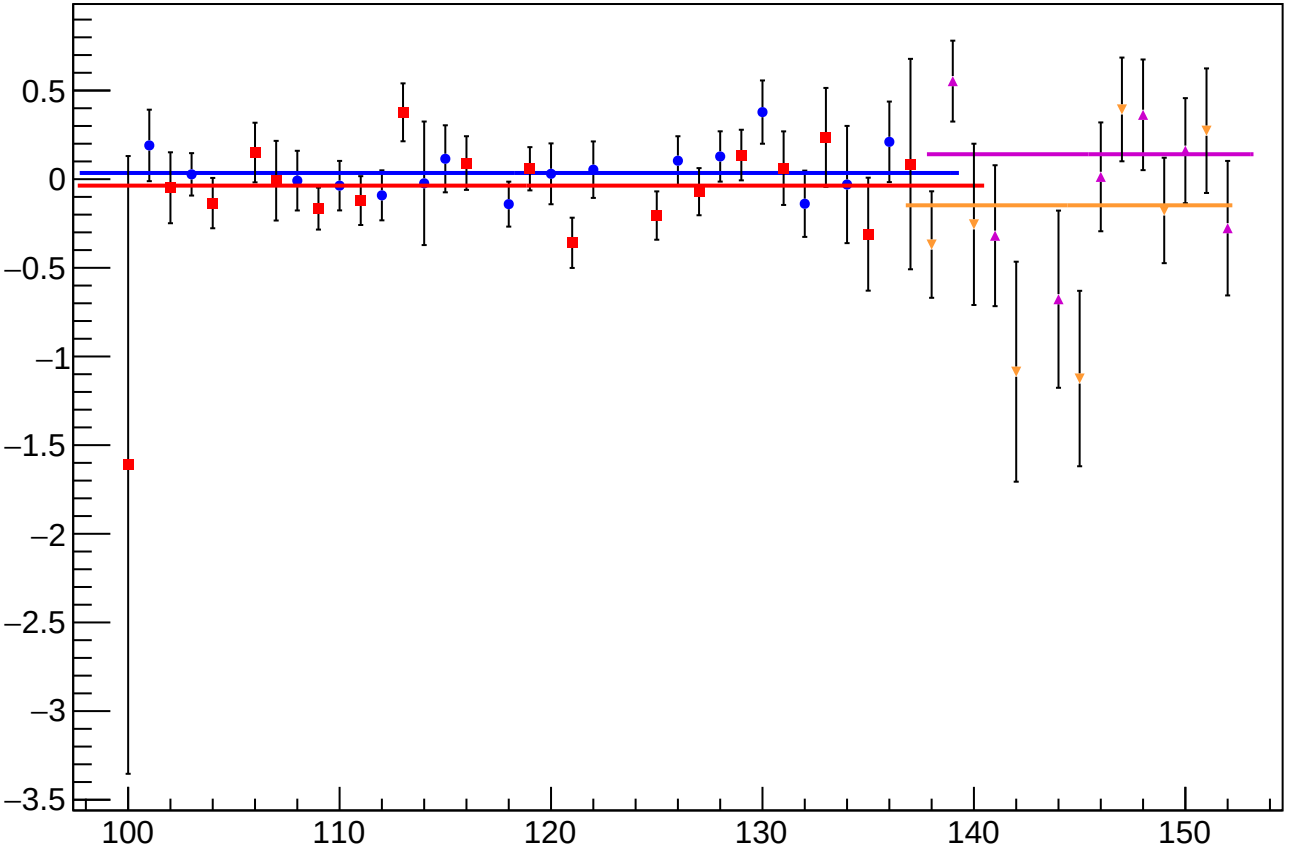
Right In: 104.100+/-0.029 χ²/NDF: 989809.0/15
Left Out: 306.935+/-0.096 χ²/NDF:420853.3/6
Right Out: 96.570+/-0.028 χ²/NDF: 955477.2/17
Left In: 285.392+/-0.085 χ²/NDF:732391.6/6
Left: 294.838+/-0.064 χ²/NDF: 1181241.5/13
Right: 100.135+/-0.020 χ²/NDF: 1980754.7/33
In: 122.916+/-0.027 χ²/NDF:5774524.0/22
Out: 112.383+/-0.026 χ²/NDF:5772931.3/24
All: 117.452+/-0.019 χ²/NDF: 11623738.1/47

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: 0.141+/-0.121 χ^2/NDF:9.2/6

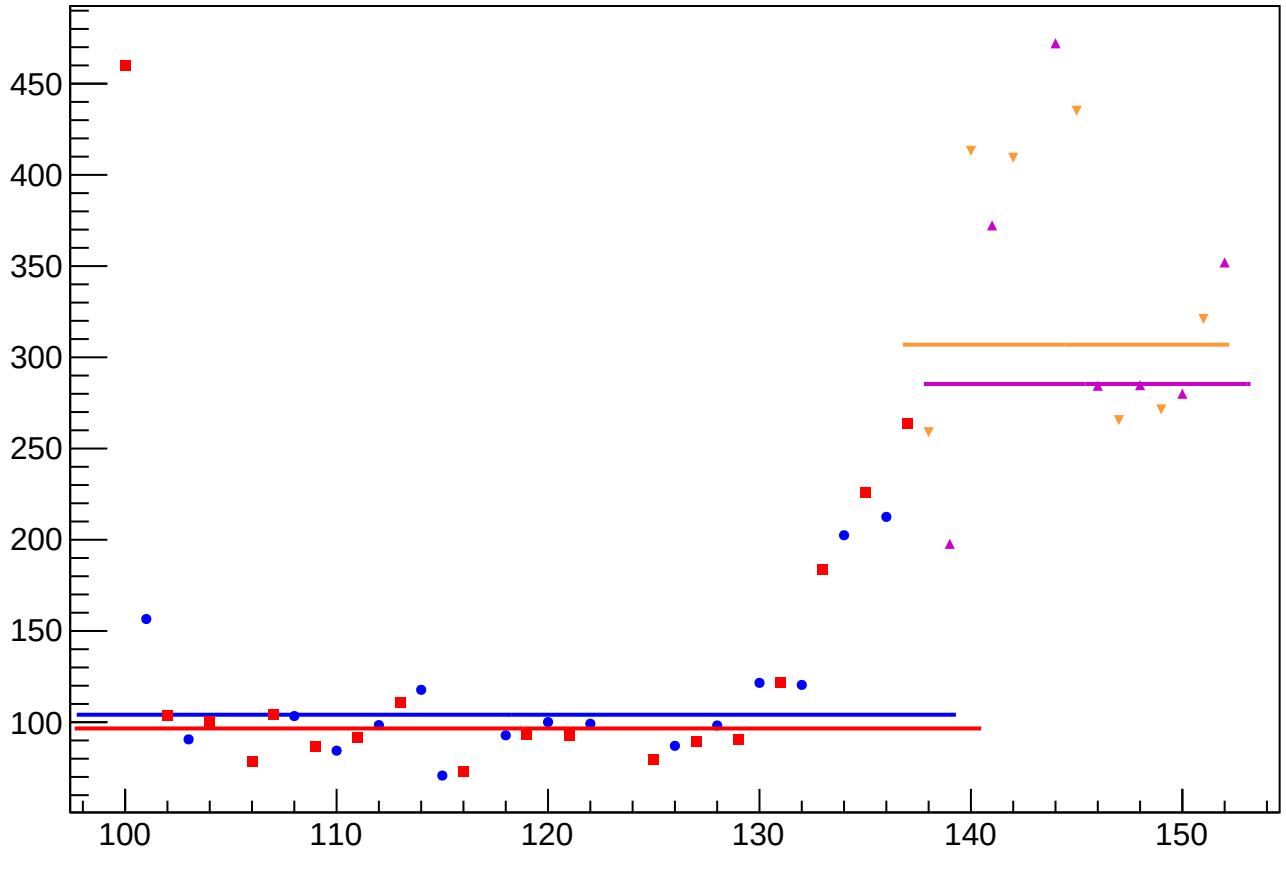
Left: 0.014+/-0.090 χ^2/NDF: 23.3/13

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.046+/-0.039 χ^2/NDF:19.6/22

Out: -0.045+/-0.037 χ^2/NDF:34.3/24

All: -0.001+/-0.027 χ^2/NDF: 56.8/47



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: 285.392+/-0.085 χ^2/NDF:732391.6/6

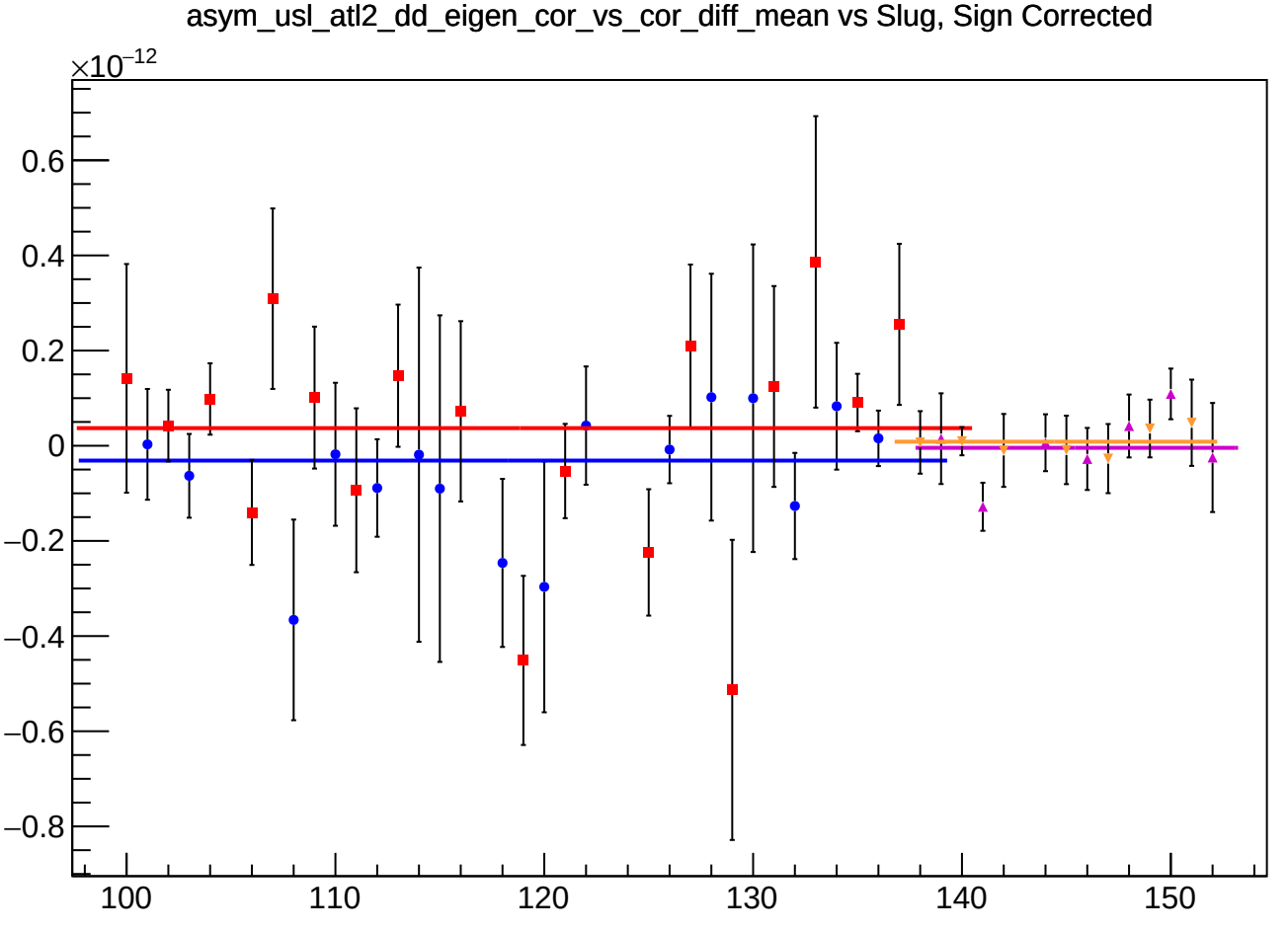
Left: 294.838+/-0.064 χ^2/NDF: 1181241.5/13

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 122.916+/-0.027 χ^2/NDF:5774524.0/22

Out: 112.383+/-0.026 χ^2/NDF:5772931.3/24

All: 117.452+/-0.019 χ^2/NDF: 11623738.1/47



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:11.2/6

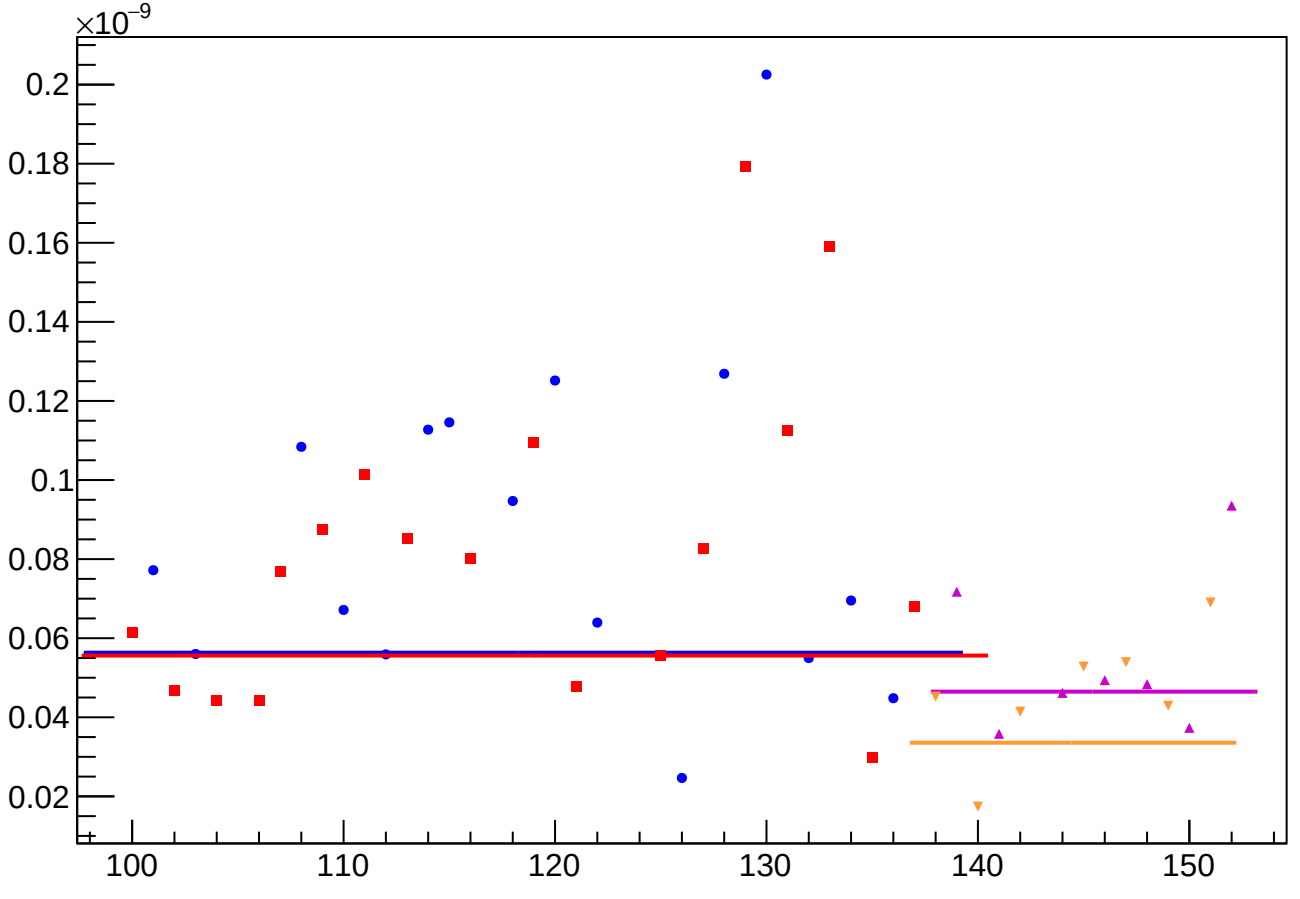
Left: 0.000+/-0.000 χ^2/NDF: 12.2/13

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:20.3/22

Out: 0.000+/-0.000 χ^2/NDF:28.5/24

All: 0.000+/-0.000 χ^2/NDF: 50.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1335647.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:631179.5/6

Left: 0.000+/-0.000 χ^2/NDF: 2291115.0/13

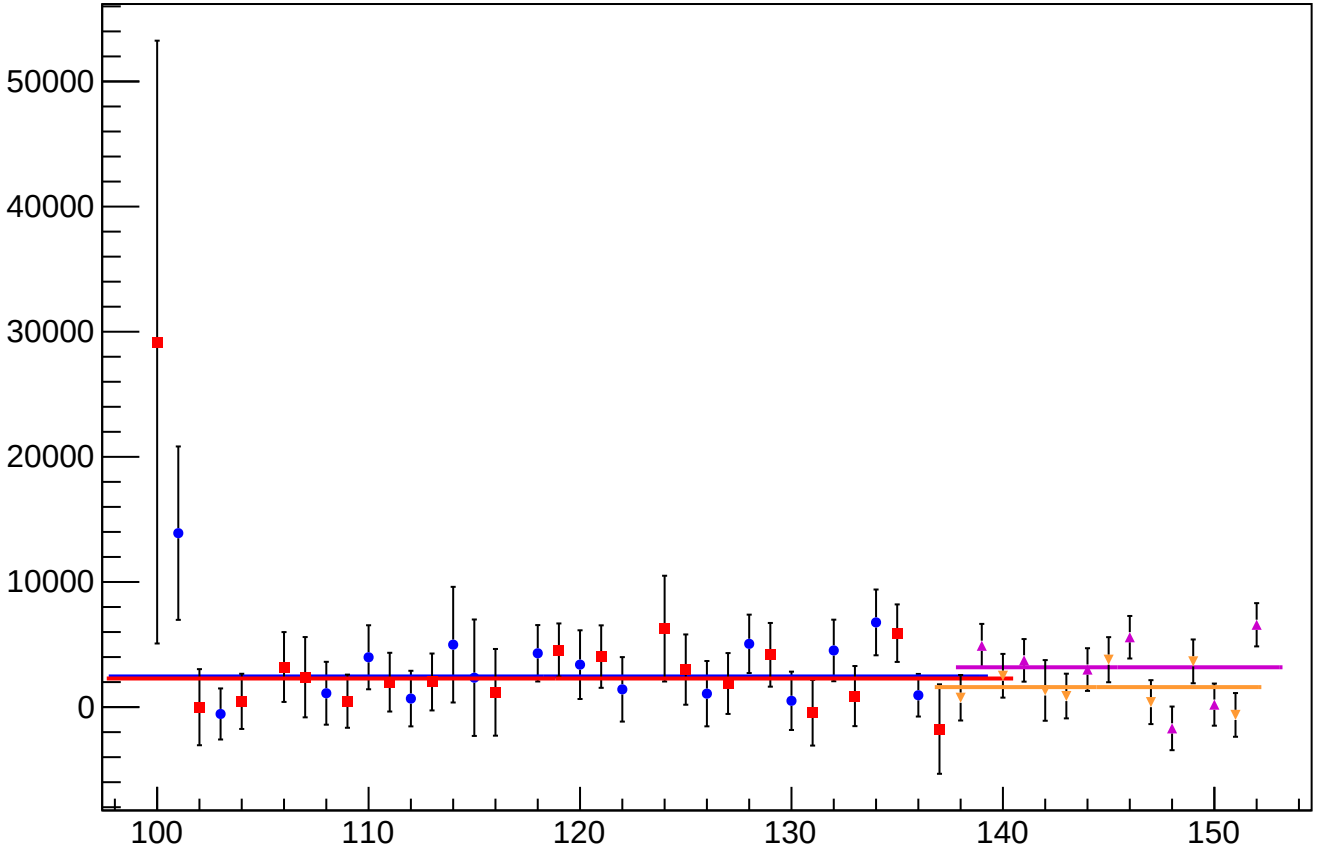
Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:2345693.0/22

Out: 0.000+/-0.000 χ^2/NDF:3875290.3/24

All: 0.000+/-0.000 χ^2/NDF: 6495606.2/47

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: 3183.436+/-648.338 χ^2/NDF:17.9/6

Left: 2387.452+/-457.421 χ^2/NDF: 26.5/14

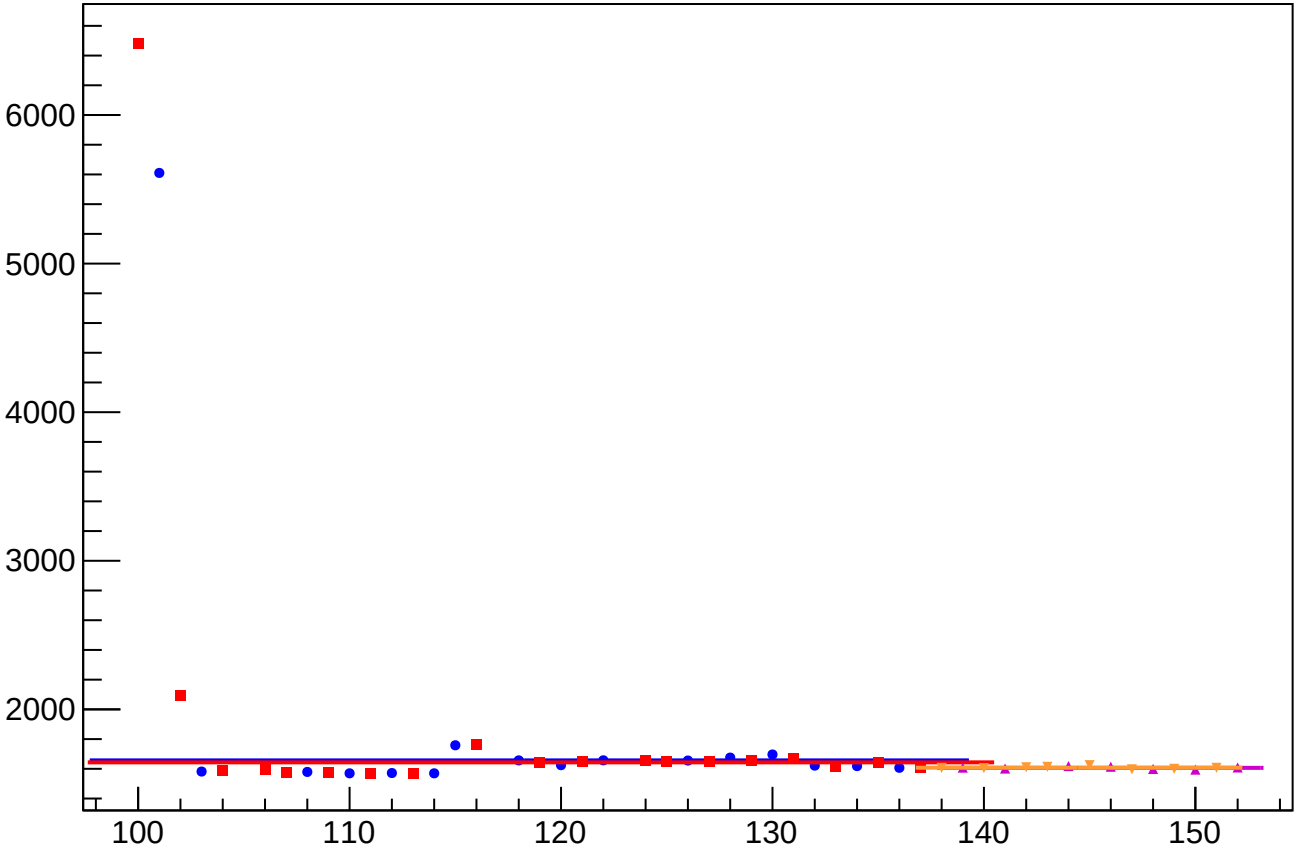
Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2806.313+/-451.908 χ^2/NDF:32.4/22

Out: 1962.443+/-443.015 χ^2/NDF:18.0/26

All: 2375.994+/-316.356 χ^2/NDF: 52.2/49

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: 1606.438+/-0.458 χ^2/NDF:301.4/6

Left: 1606.942+/-0.323 χ^2/NDF: 629.1/14

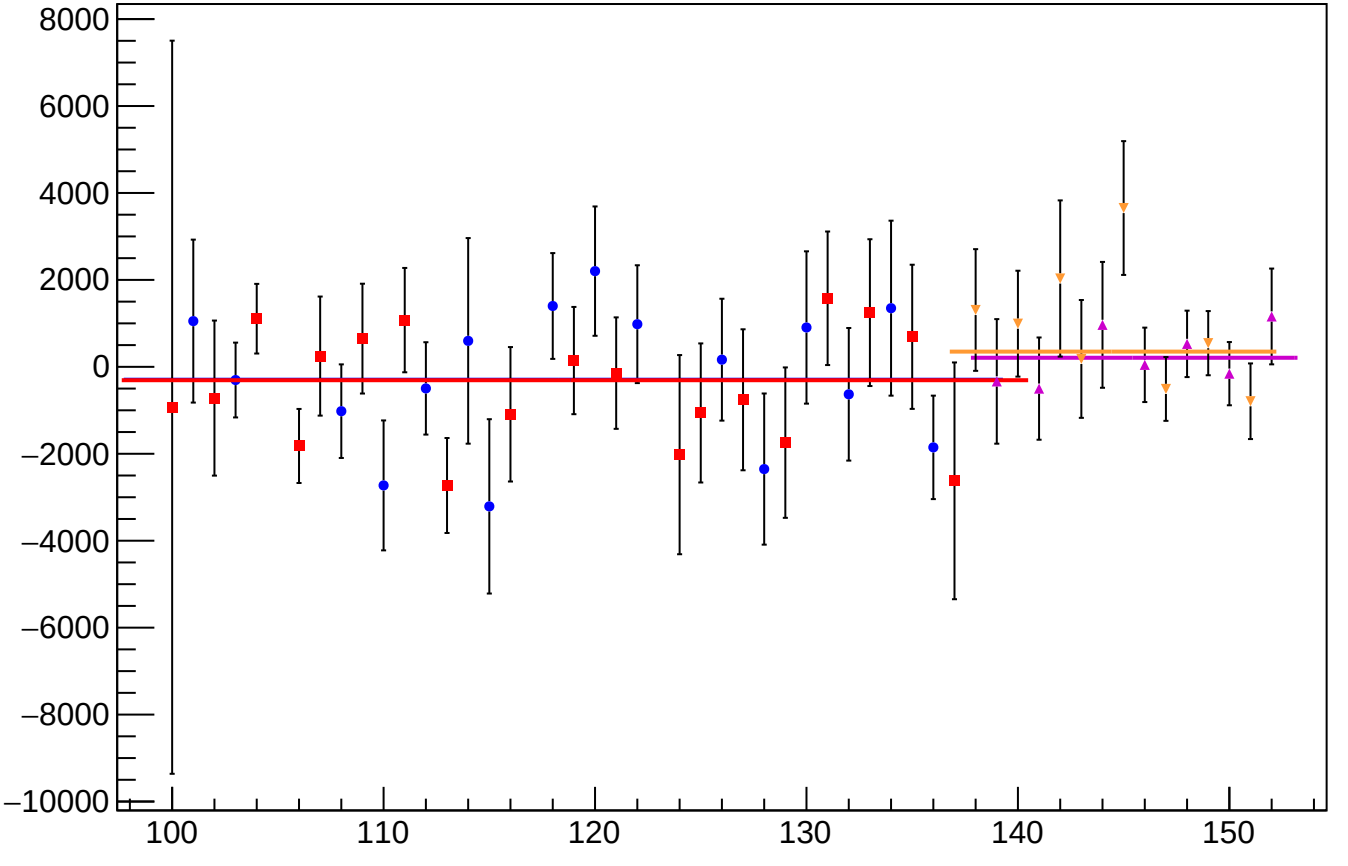
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1632.272+/-0.320 χ^2/NDF:672703.7/22

Out: 1626.477+/-0.313 χ^2/NDF:140611.5/26

All: 1629.317+/-0.224 χ^2/NDF: 813482.9/49

asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 350.325+/-365.829 χ^2/NDF:9.4/7

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 208.756+/-365.677 χ^2/NDF:2.0/6

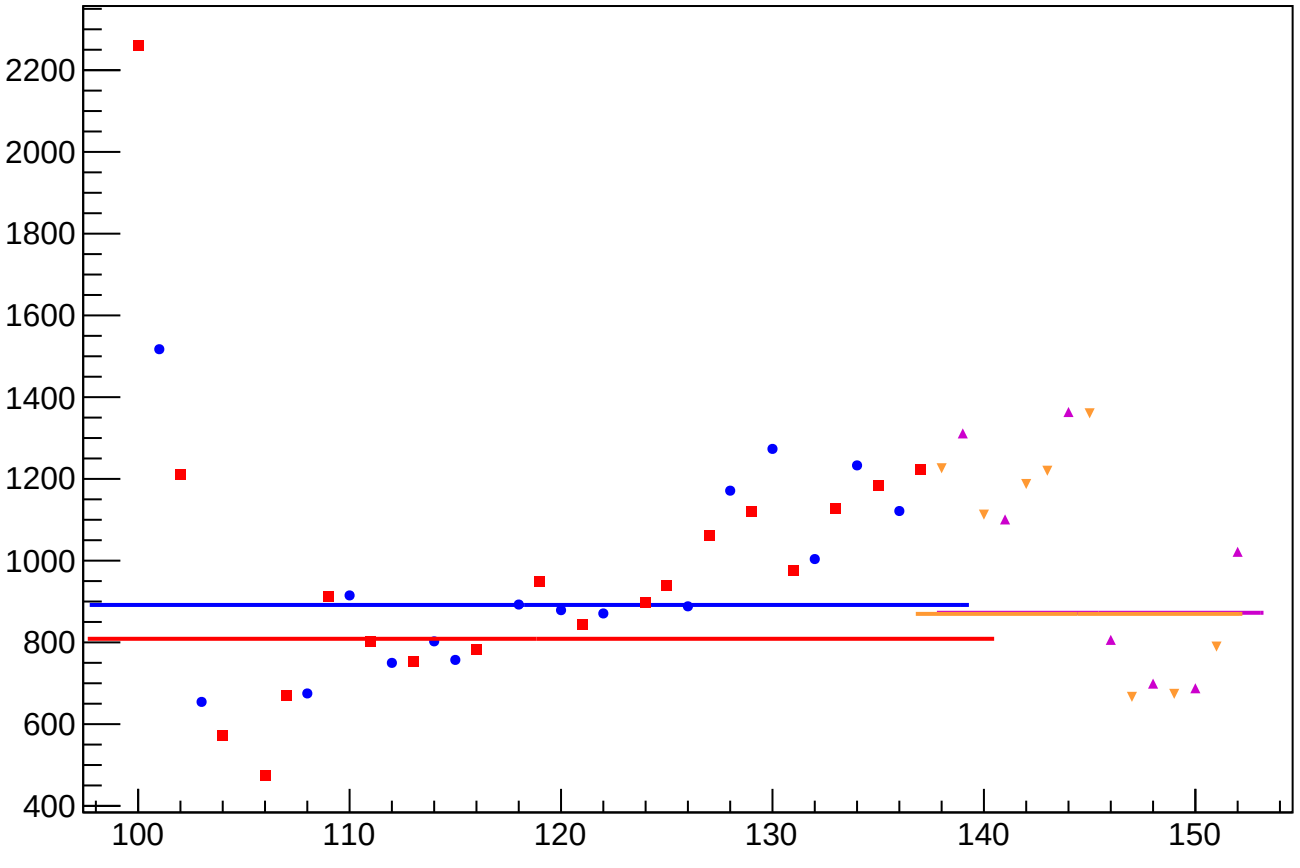
Left: 279.512+/-258.626 χ^2/NDF: 11.5/14

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -59.677+/-250.340 χ^2/NDF:19.0/22

Out: -29.596+/-237.819 χ^2/NDF:30.0/26

All: -43.866+/-172.420 χ^2/NDF: 48.9/49



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: 872.461+/-0.259 χ^2/NDF:773711.0/6

Left: 871.118+/-0.183 χ^2/NDF: 1692600.3/14

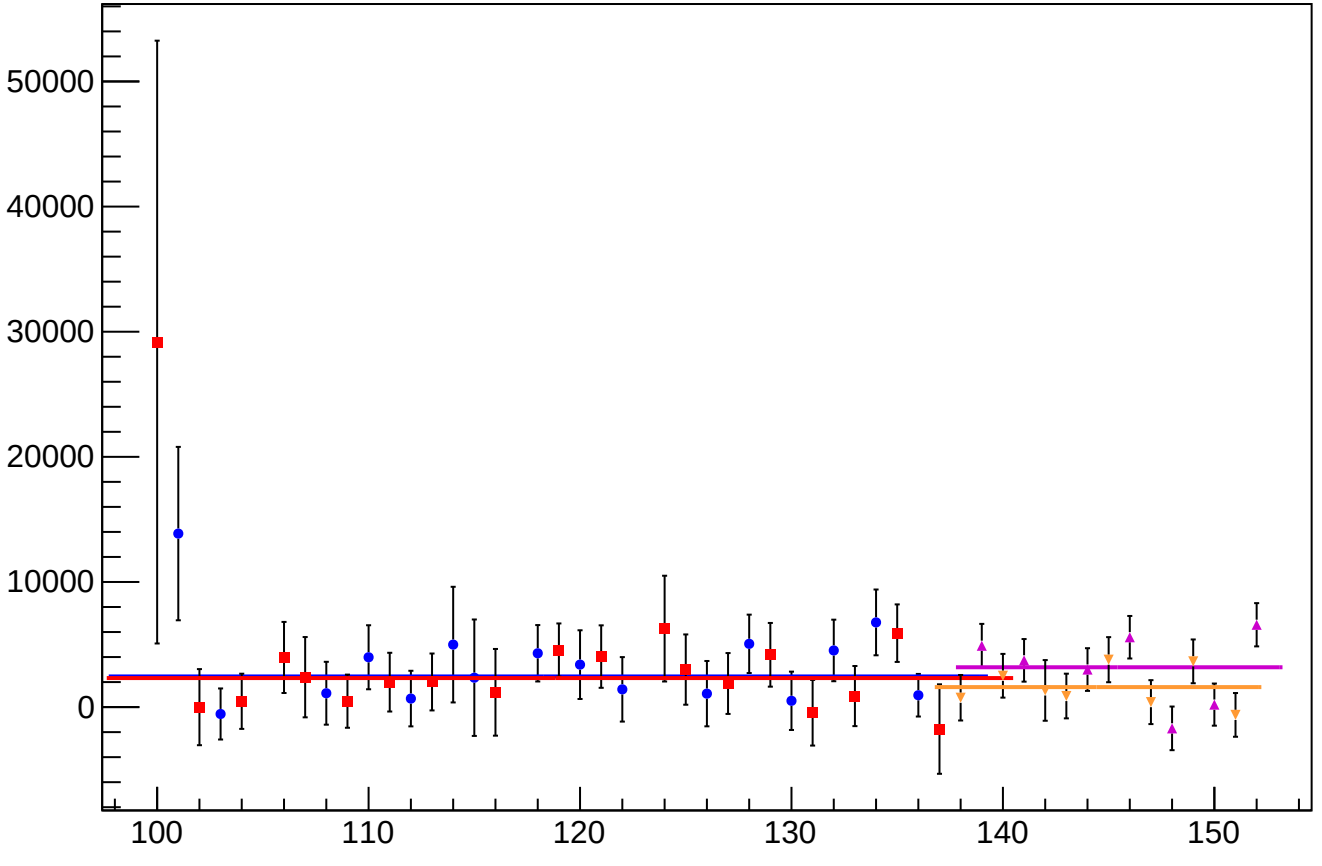
Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 882.648+/-0.177 χ^2/NDF:1570529.3/22

Out: 834.574+/-0.168 χ^2/NDF:2034748.5/26

All: 857.379+/-0.122 χ^2/NDF: 3644045.3/49

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



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: 3183.622+/-648.338 χ^2/NDF:17.9/6

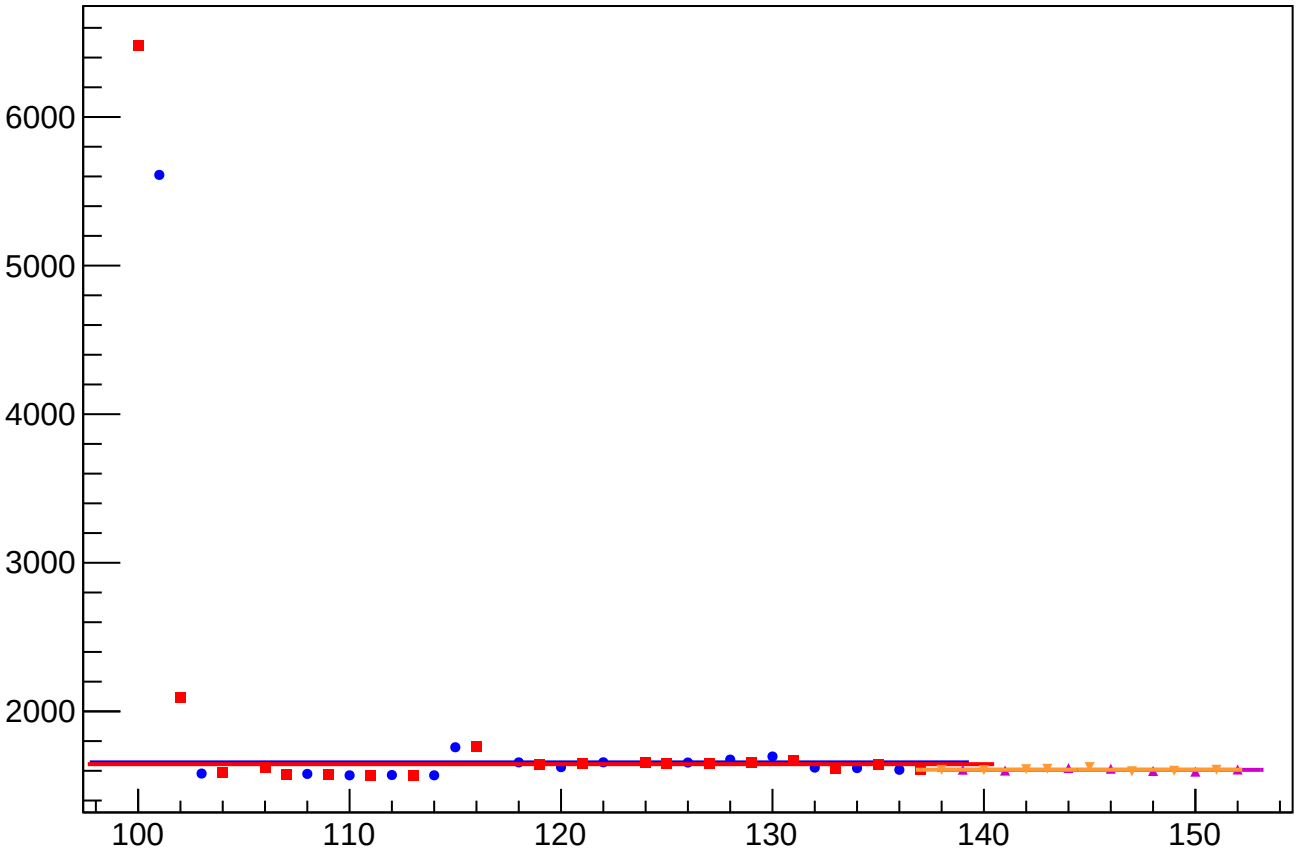
Left: 2387.553+/-457.421 χ^2/NDF: 26.5/14

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2806.116+/-451.908 χ^2/NDF:32.4/22

Out: 1980.138+/-443.208 χ^2/NDF:18.3/26

All: 2385.100+/-316.426 χ^2/NDF: 52.4/49



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: 1606.438+/-0.458 χ^2/NDF:301.4/6

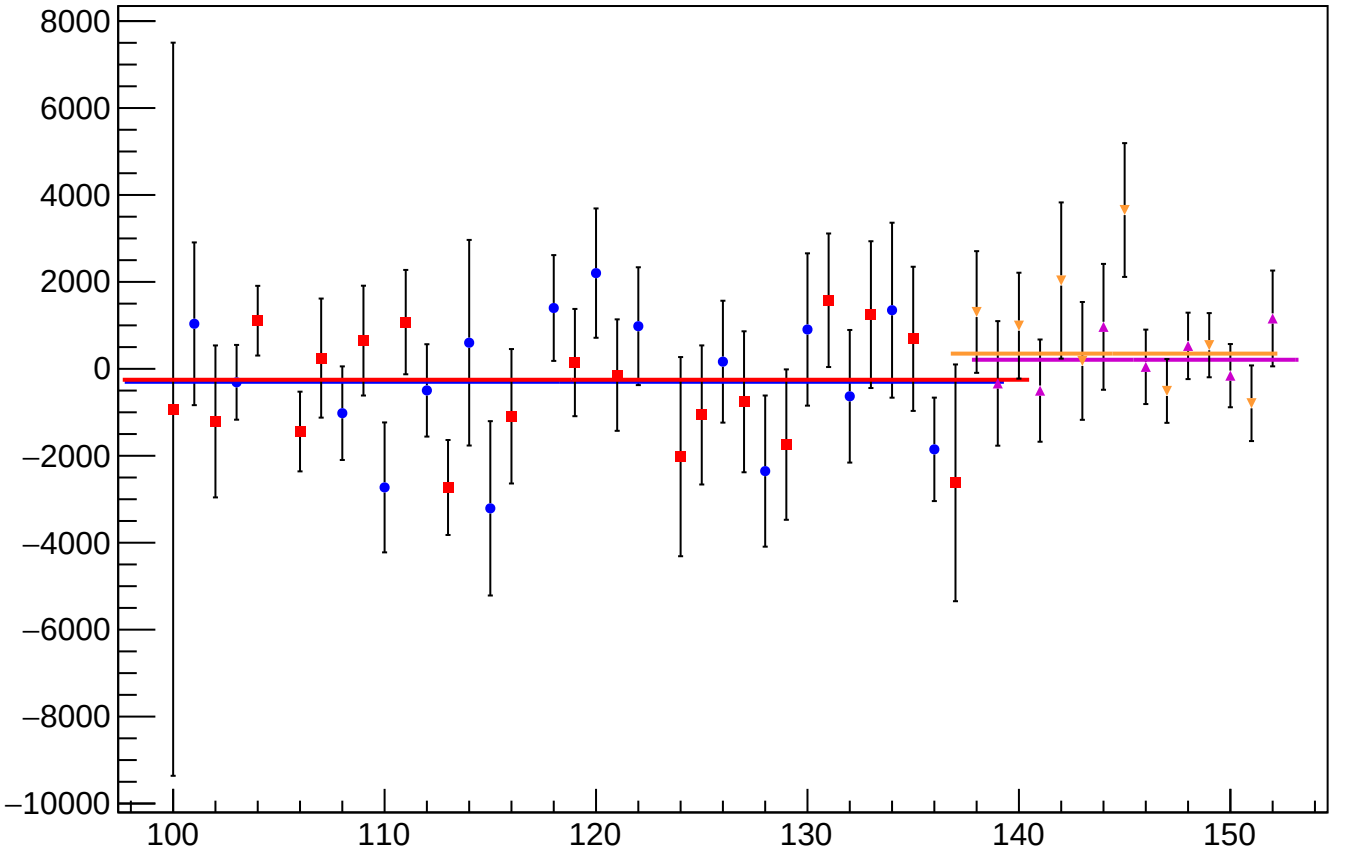
Left: 1606.942+/-0.323 χ^2/NDF: 629.1/14

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1632.272+/-0.320 χ^2/NDF:672703.2/22

Out: 1627.150+/-0.313 χ^2/NDF:140336.4/26

All: 1629.661+/-0.224 χ^2/NDF: 813170.5/49



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: 208.818+/-365.681 χ^2/NDF:2.0/6

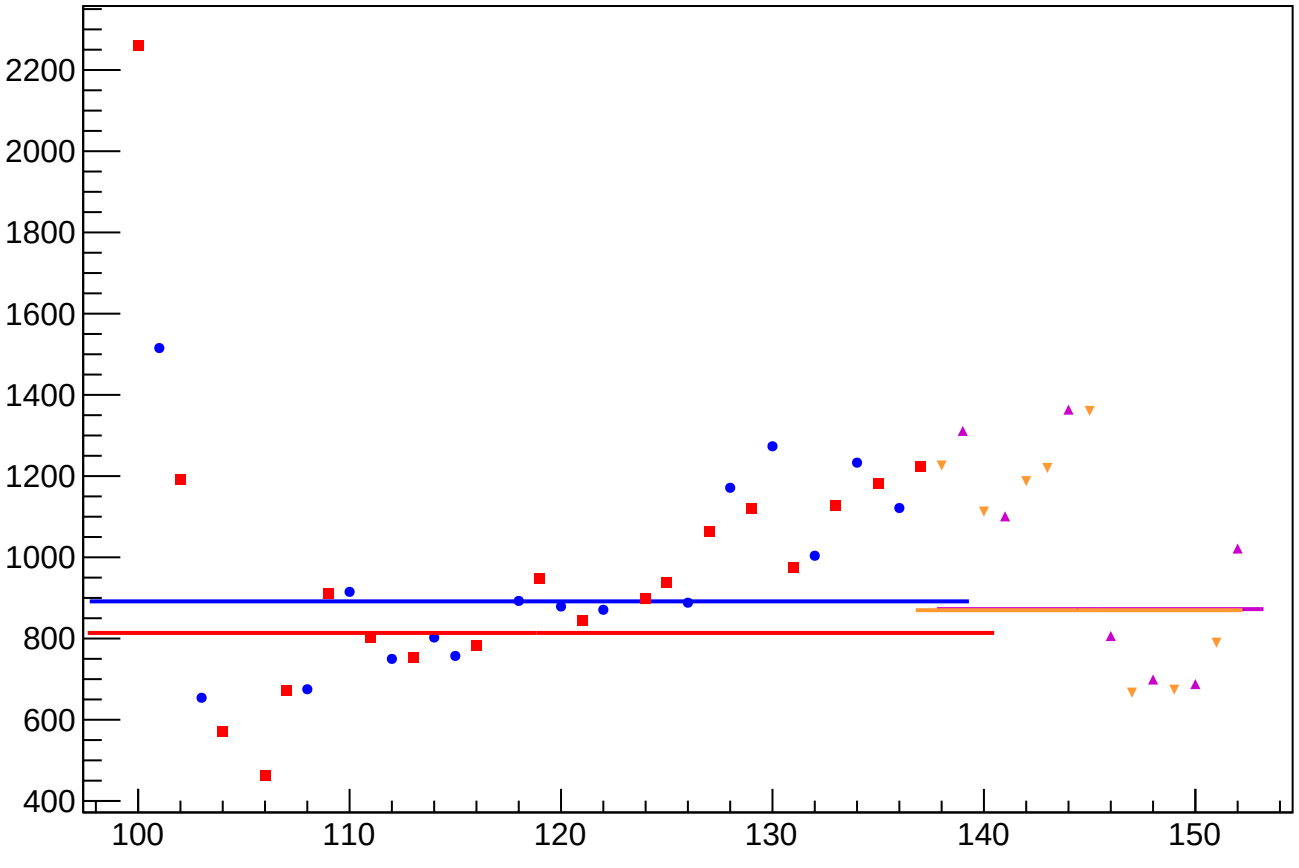
Left: 279.483+/-258.625 χ^2/NDF: 11.5/14

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -60.398+/-250.323 χ^2/NDF:19.0/22

Out: 5.538+/-239.027 χ^2/NDF:28.2/26

All: -25.909+/-172.873 χ^2/NDF: 47.2/49



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: 872.470+/-0.259 χ^2/NDF:773695.3/6

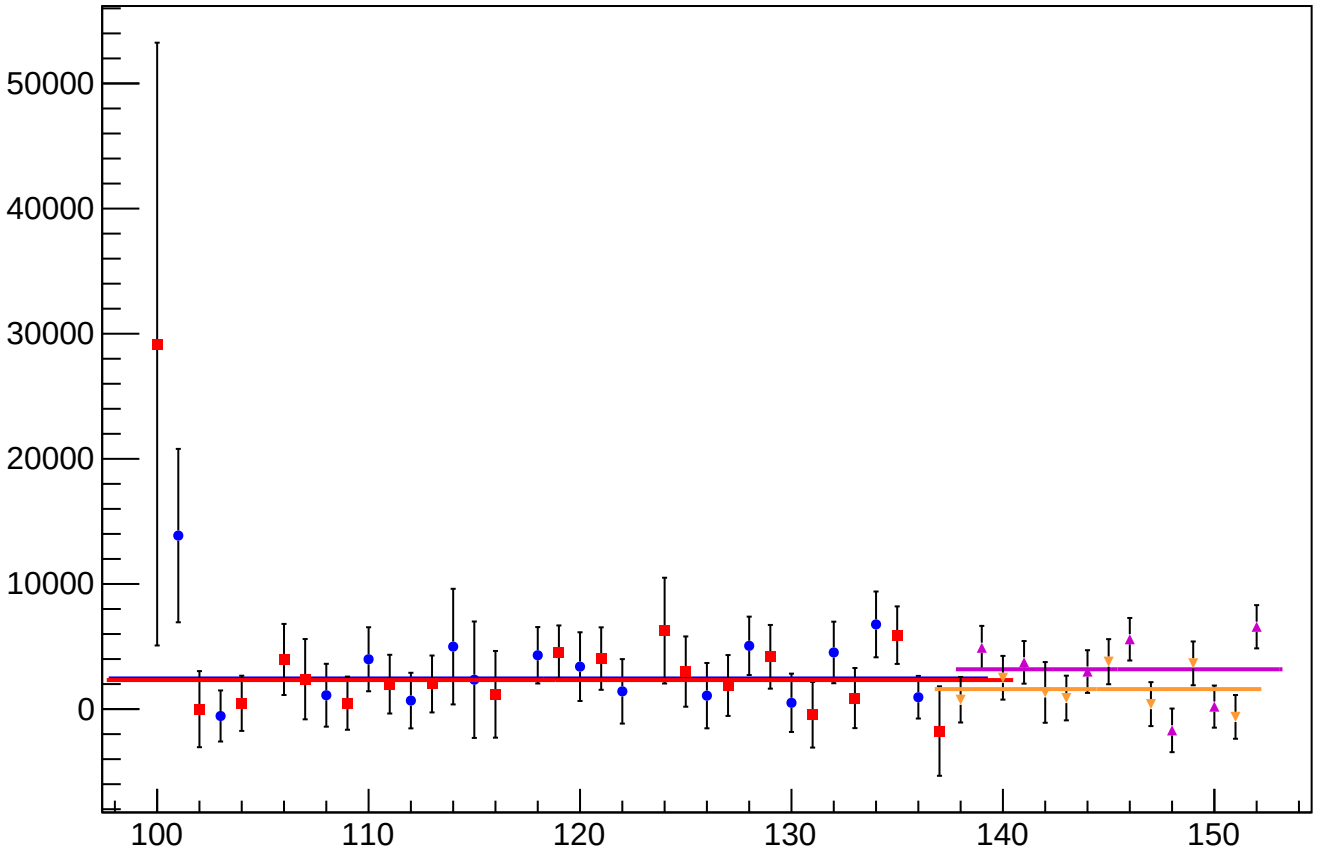
Left: 871.114+/-0.183 χ^2/NDF: 1692617.3/14

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 882.600+/-0.177 χ^2/NDF:1570240.8/22

Out: 837.694+/-0.169 χ^2/NDF:1998668.8/26

All: 859.111+/-0.122 χ^2/NDF: 3602576.7/49



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: 3183.622+/-648.338 χ^2/NDF:17.9/6

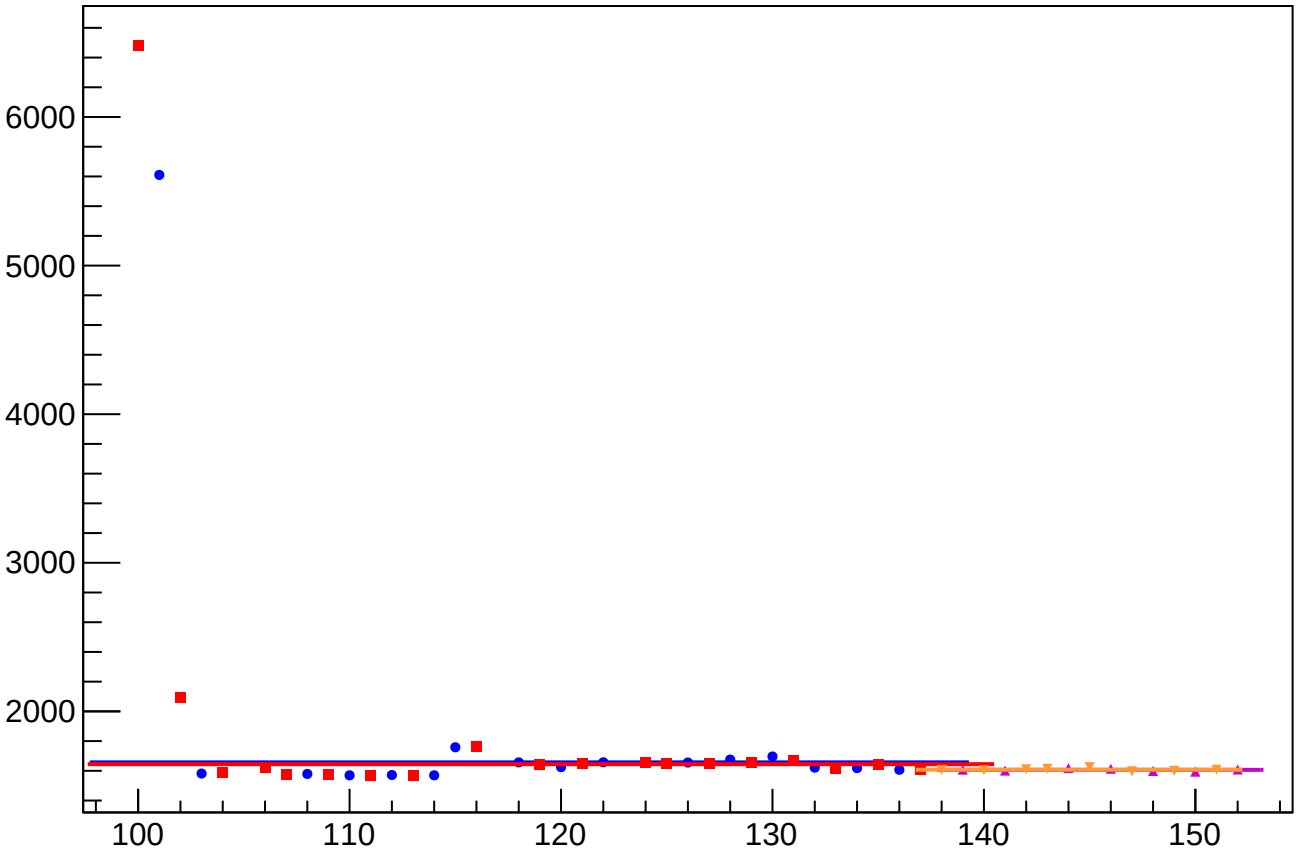
Left: 2387.553+/-457.421 χ^2/NDF: 26.5/14

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2806.116+/-451.908 χ^2/NDF:32.4/22

Out: 1980.138+/-443.208 χ^2/NDF:18.3/26

All: 2385.100+/-316.426 χ^2/NDF: 52.4/49



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: 1606.438+/-0.458 χ^2/NDF:301.4/6

Left: 1606.942+/-0.323 χ^2/NDF: 629.1/14

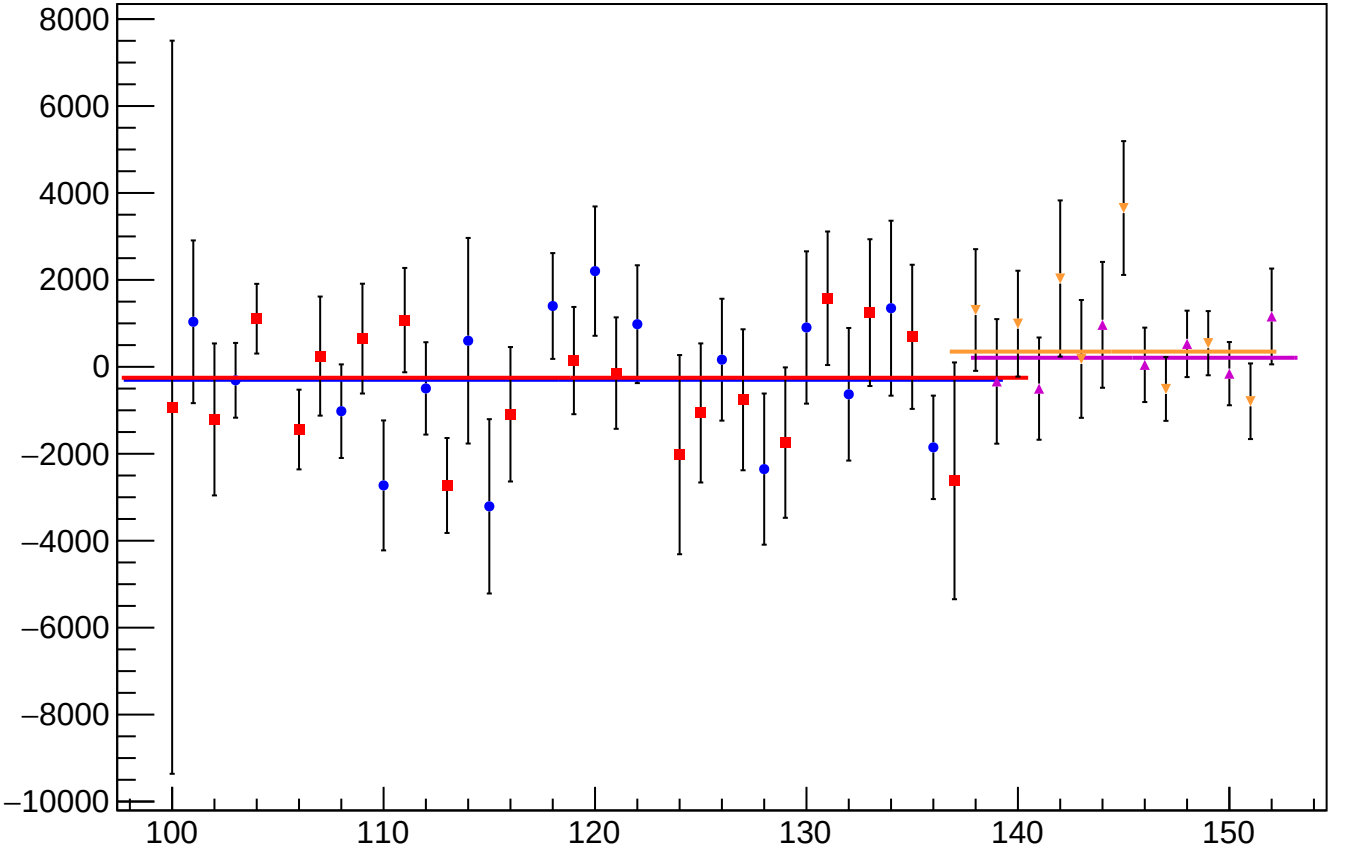
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1632.272+/-0.320 χ^2/NDF:672703.2/22

Out: 1627.150+/-0.313 χ^2/NDF:140336.4/26

All: 1629.661+/-0.224 χ^2/NDF: 813170.5/49

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 350.203+/-365.822 χ^2/NDF:9.4/7

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 208.818+/-365.681 χ^2/NDF:2.0/6

Left: 279.483+/-258.625 χ^2/NDF: 11.5/14

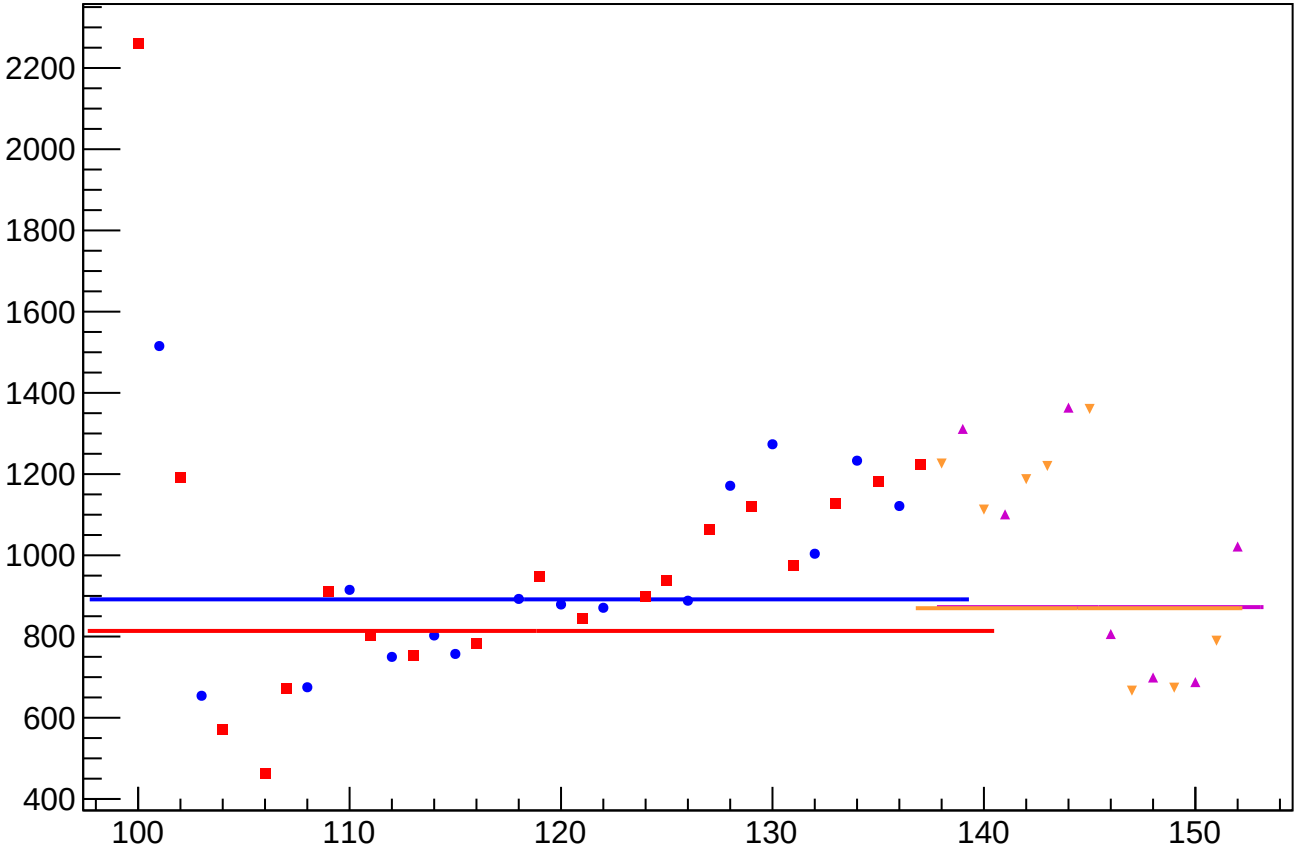
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -60.398+/-250.323 χ^2/NDF:19.0/22

Out: 5.538+/-239.027 χ^2/NDF:28.2/26

All: -25.909+/-172.873 χ^2/NDF: 47.2/49

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: 872.470+/-0.259 χ^2/NDF:773695.3/6

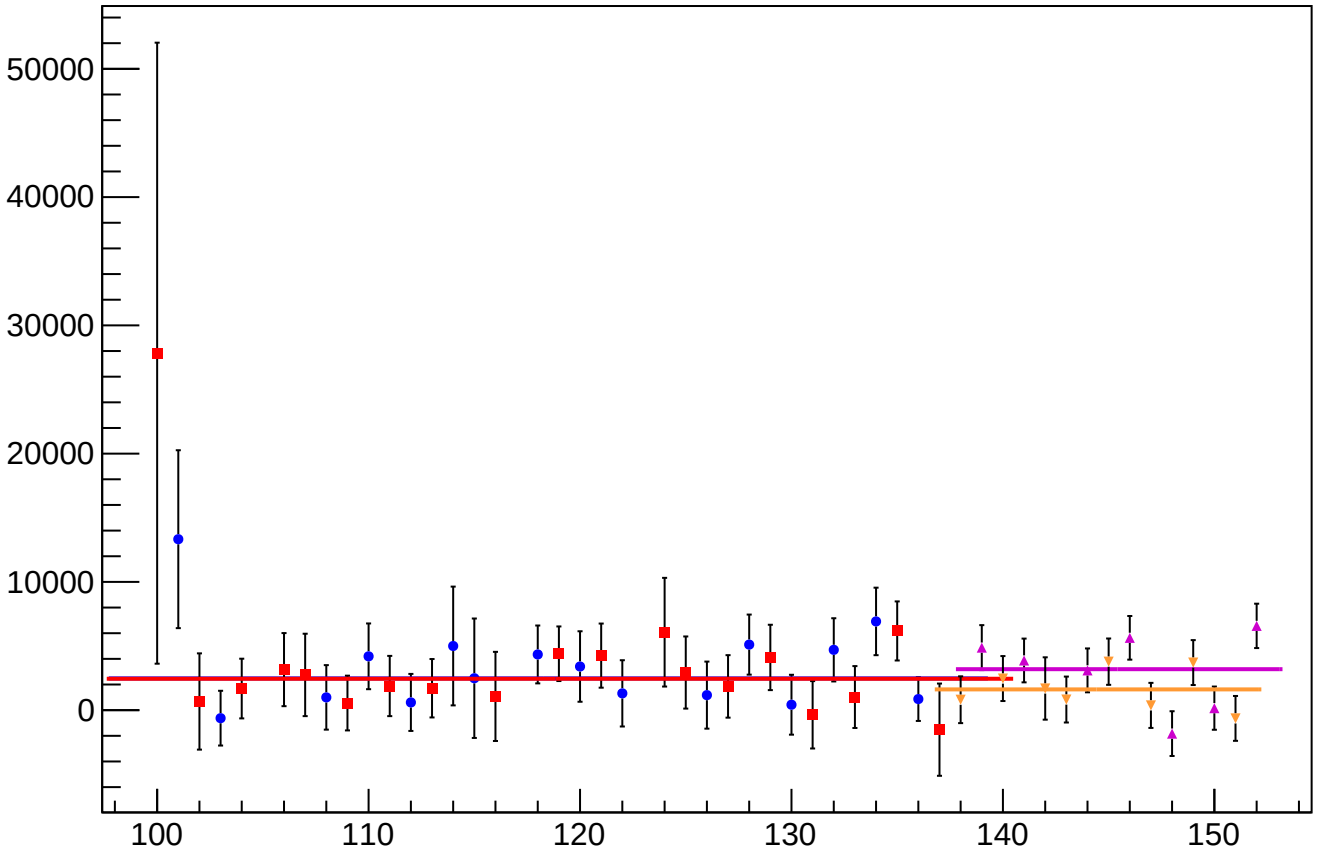
Left: 871.114+/-0.183 χ^2/NDF: 1692617.3/14

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 882.600+/-0.177 χ^2/NDF:1570240.8/22

Out: 837.694+/-0.169 χ^2/NDF:1998668.8/26

All: 859.111+/-0.122 χ^2/NDF: 3602576.7/49



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: 3195.580+/-649.288 χ^2/NDF:18.5/6

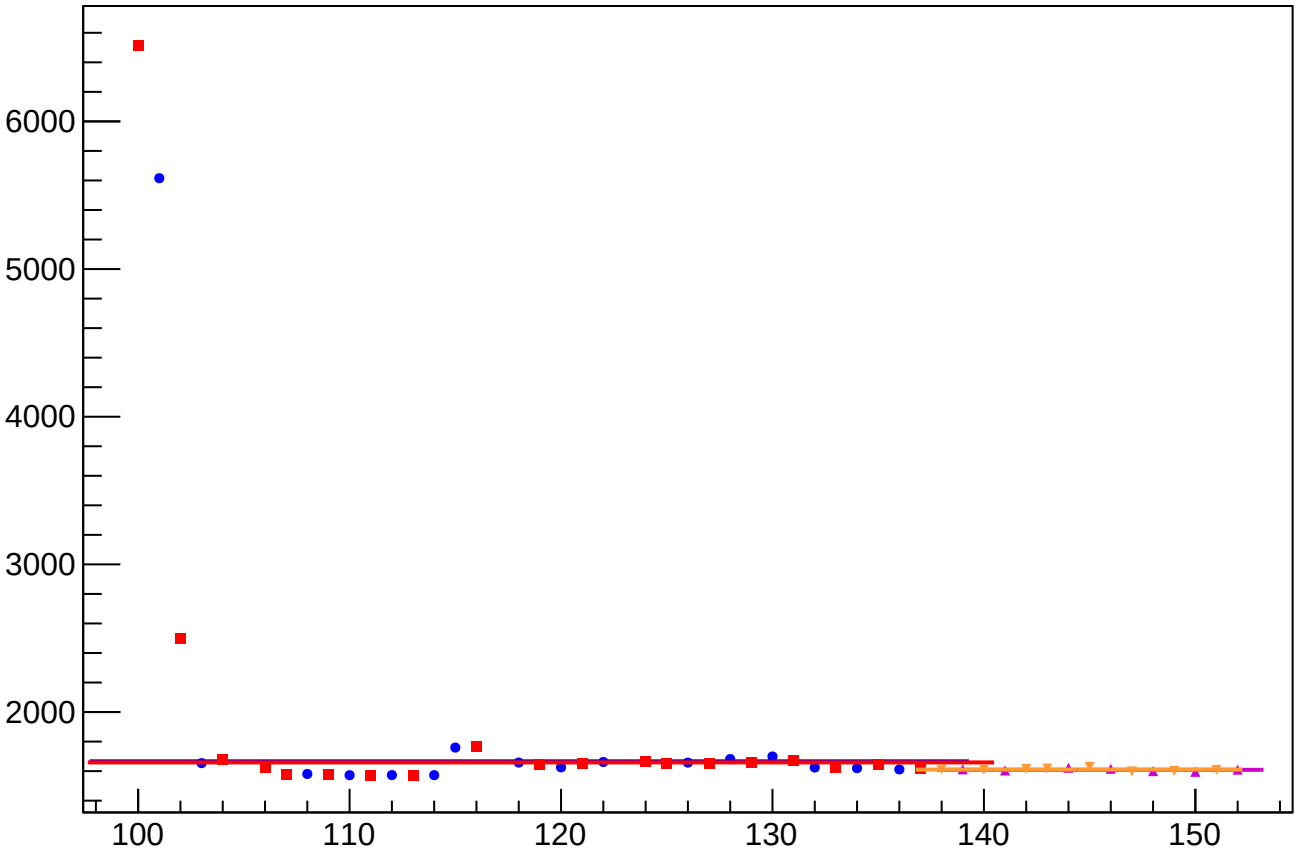
Left: 2404.152+/-458.188 χ^2/NDF: 27.1/14

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2826.748+/-453.565 χ^2/NDF:33.3/22

Out: 2053.192+/-446.608 χ^2/NDF:17.1/26

All: 2433.991+/-318.231 χ^2/NDF: 51.9/49



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: 1608.768+/-0.459 χ^2/NDF:371.2/6

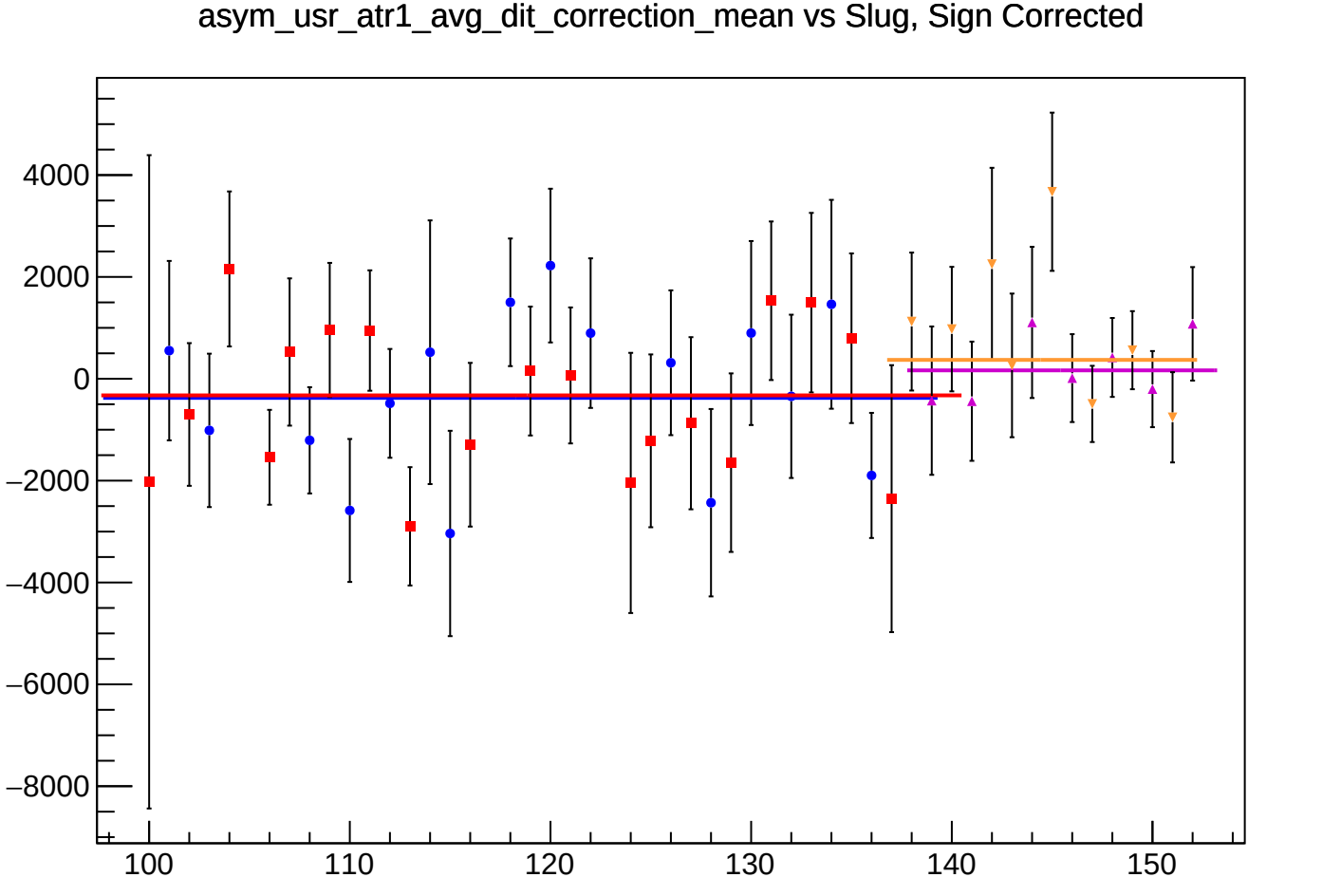
Left: 1609.620+/-0.324 χ^2/NDF: 776.6/14

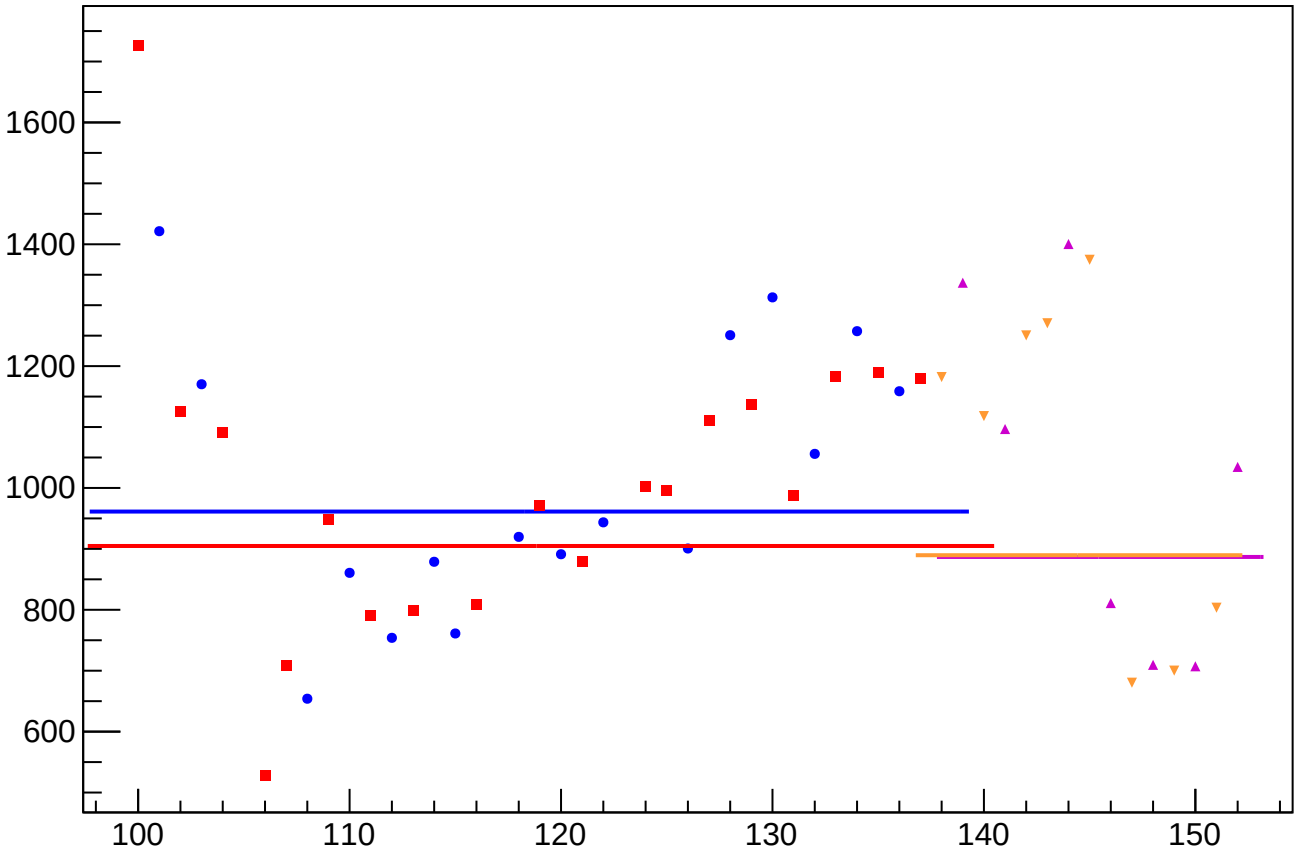
Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1638.276+/-0.321 χ^2/NDF:671353.7/22

Out: 1635.853+/-0.316 χ^2/NDF:199516.1/26

All: 1637.046+/-0.225 χ^2/NDF: 870898.8/49


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: 165.206+/-371.180 χ²/NDF:1.9/6
Left: 267.408+/-263.249 χ²/NDF: 11.1/14
Right: -348.248+/-249.957 χ²/NDF: 33.1/34
In: -107.056+/-261.312 χ²/NDF:18.7/22
Out: -9.333+/-251.651 χ²/NDF:28.4/26
All: -56.355+/-181.263 χ²/NDF: 47.1/49



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: 886.747+/-0.262 χ^2/NDF:765246.8/6

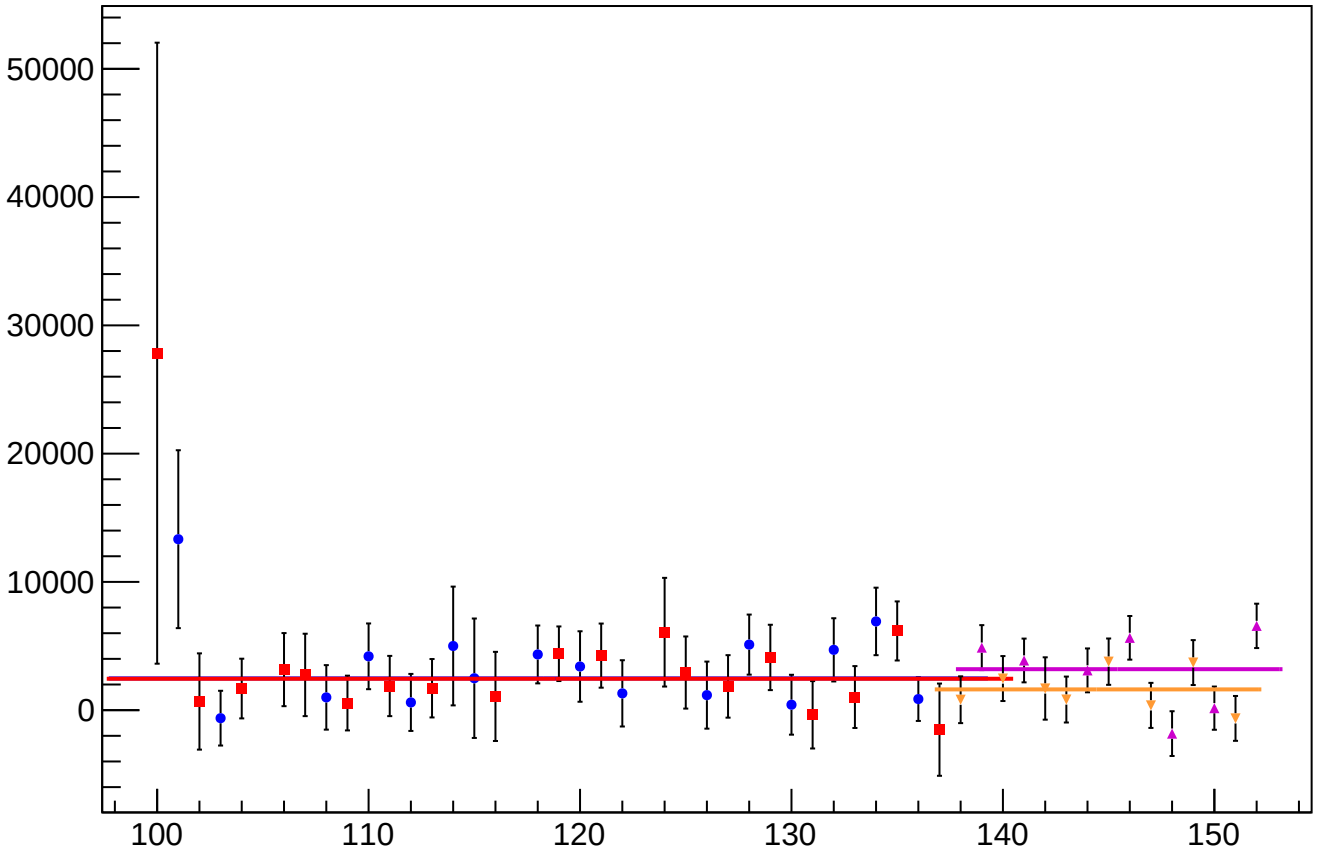
Left: 888.157+/-0.186 χ^2/NDF: 1639306.8/14

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 924.321+/-0.185 χ^2/NDF:1497755.4/22

Out: 897.854+/-0.178 χ^2/NDF:1612284.3/26

All: 910.589+/-0.128 χ^2/NDF: 3120684.3/49



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: 3195.581+/-649.288 χ^2/NDF:18.5/6

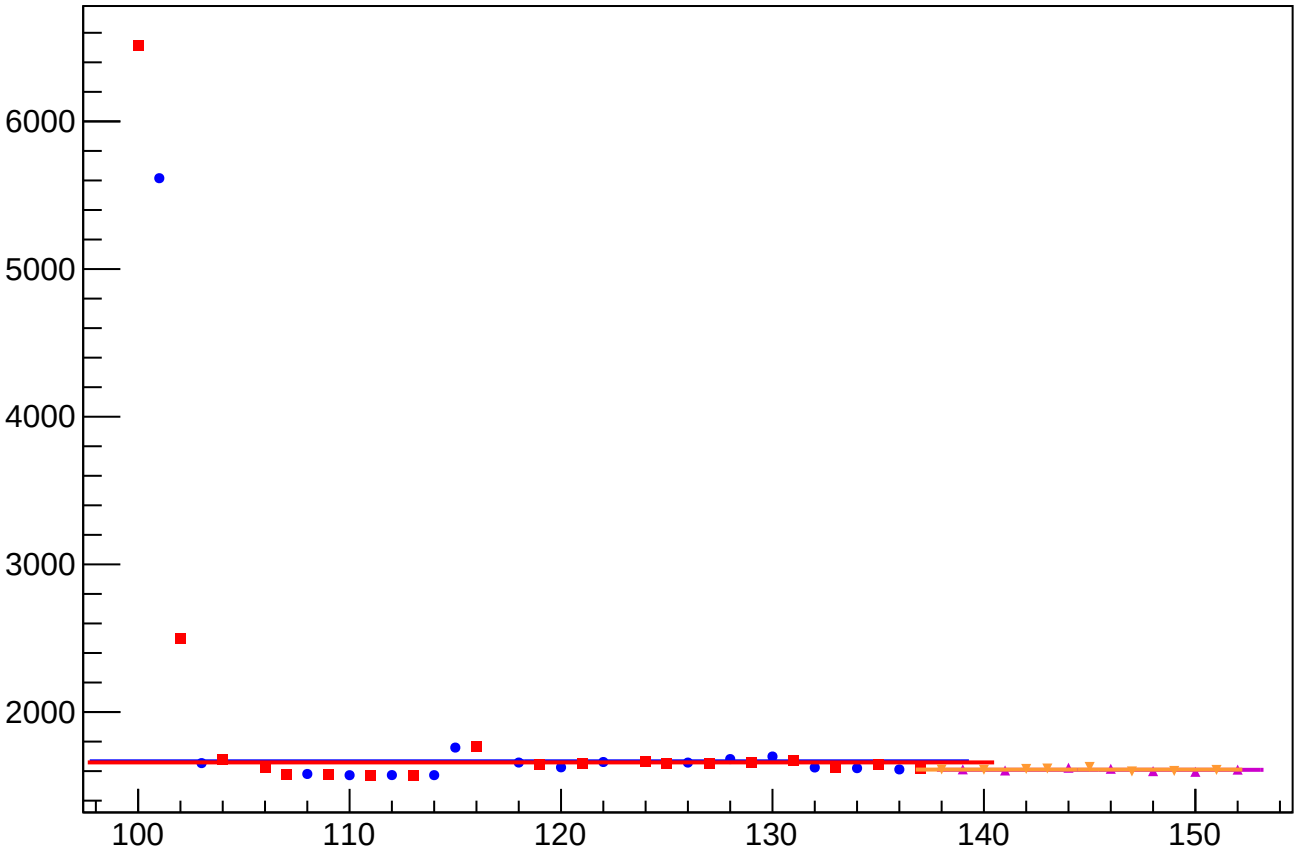
Left: 2404.153+/-458.188 χ^2/NDF: 27.1/14

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2826.748+/-453.565 χ^2/NDF:33.3/22

Out: 2053.192+/-446.608 χ^2/NDF:17.1/26

All: 2433.991+/-318.231 χ^2/NDF: 51.9/49



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: 1608.768+/-0.459 χ^2/NDF:371.2/6

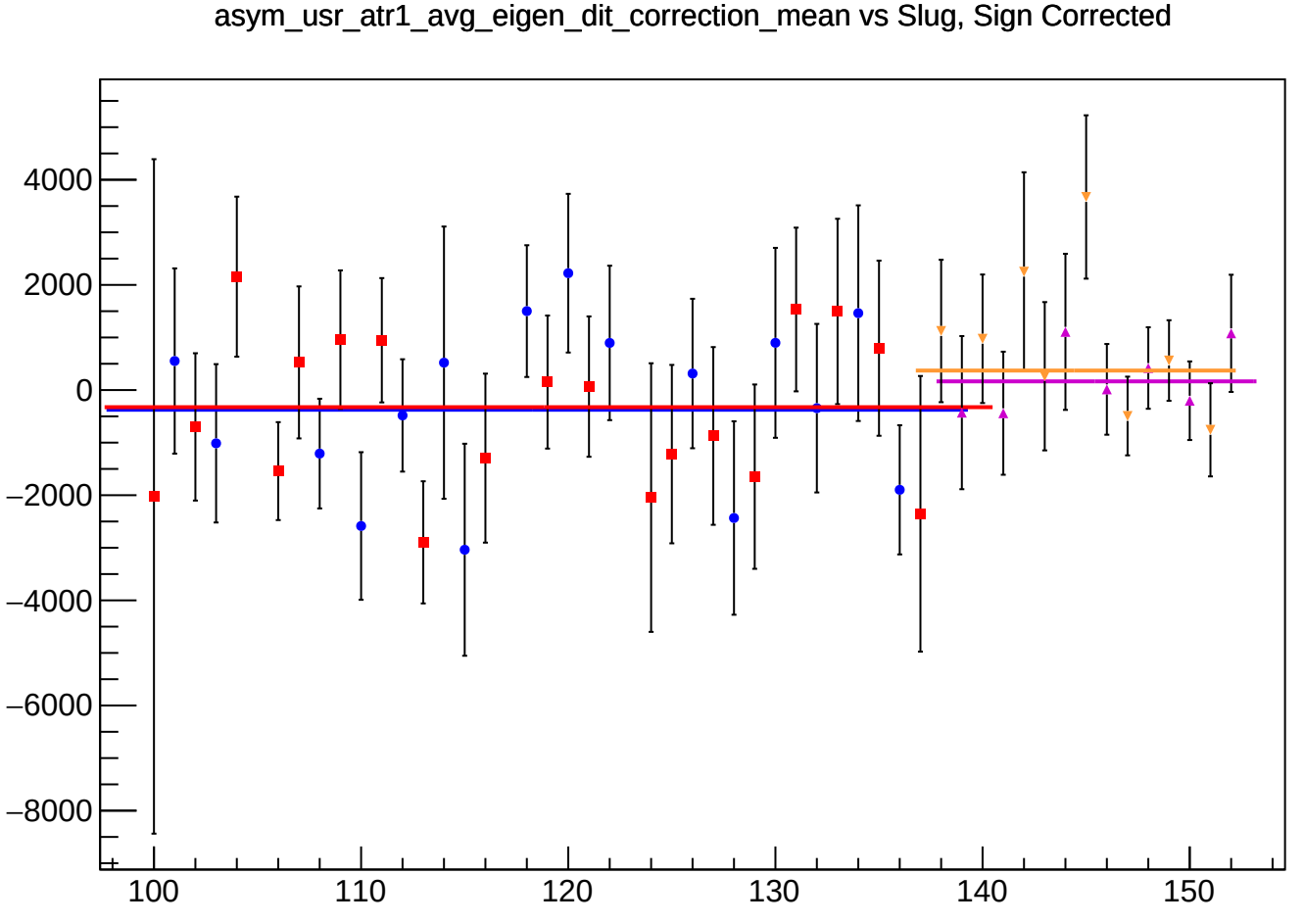
Left: 1609.620+/-0.324 χ^2/NDF: 776.6/14

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1638.276+/-0.321 χ^2/NDF:671353.7/22

Out: 1635.853+/-0.316 χ^2/NDF:199515.8/26

All: 1637.046+/-0.225 χ^2/NDF: 870898.5/49



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: 165.207+/-371.181 χ^2/NDF:1.9/6

Left: 267.408+/-263.250 χ^2/NDF: 11.1/14

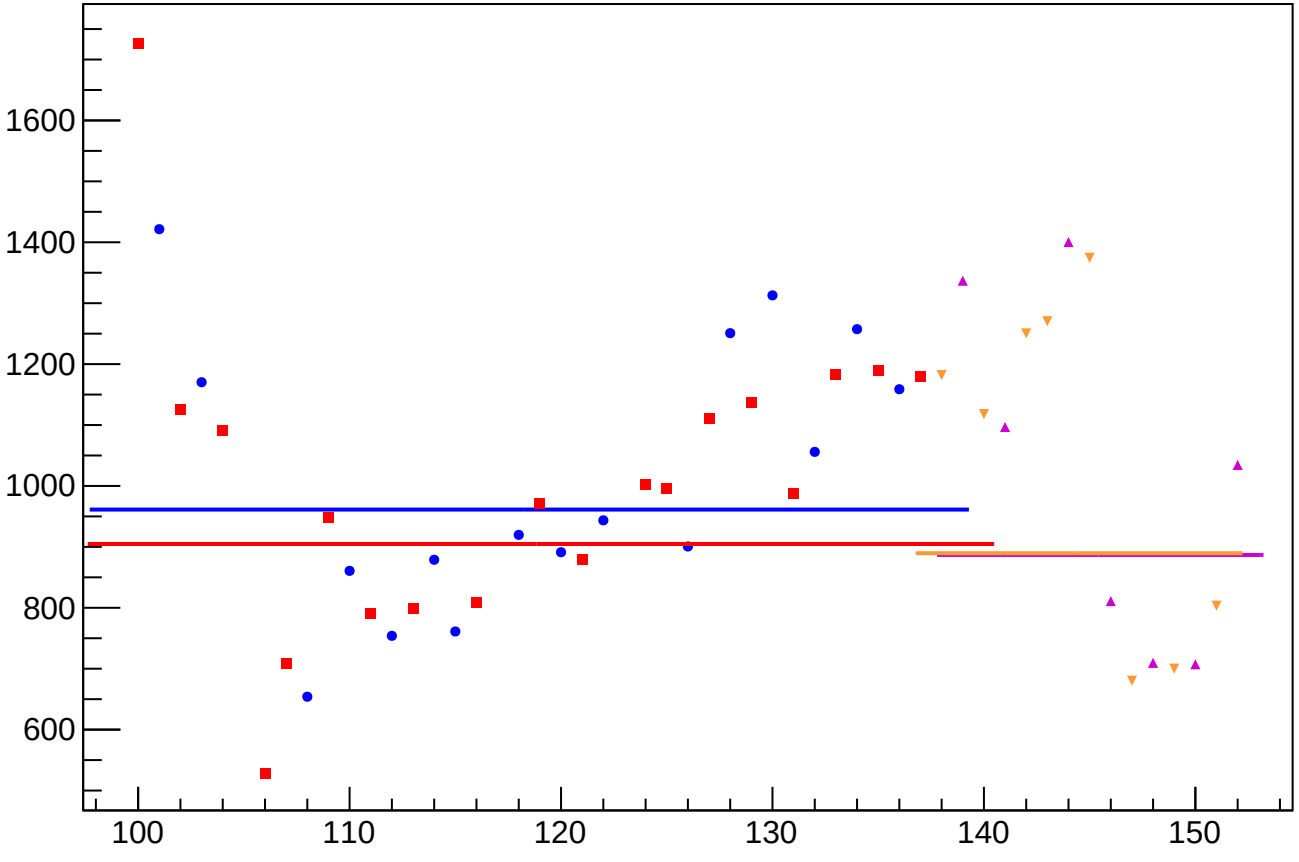
Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -107.056+/-261.312 χ^2/NDF:18.7/22

Out: -9.335+/-251.650 χ^2/NDF:28.4/26

All: -56.356+/-181.263 χ^2/NDF: 47.1/49

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: 886.748+/-0.262 χ^2/NDF:765248.4/6

Left: 888.158+/-0.186 χ^2/NDF: 1639309.4/14

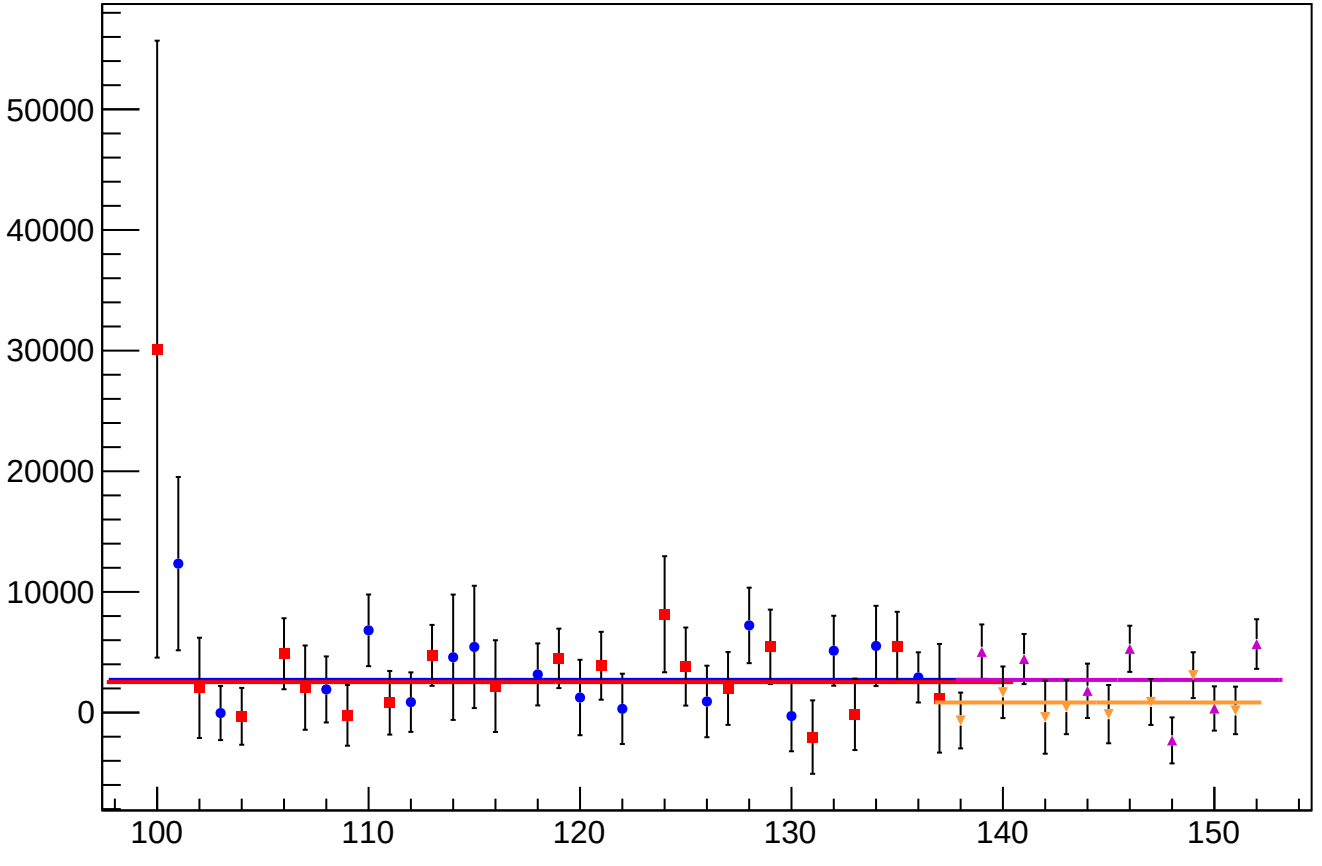
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 924.320+/-0.185 χ^2/NDF:1497758.9/22

Out: 897.854+/-0.178 χ^2/NDF:1612281.8/26

All: 910.588+/-0.128 χ^2/NDF: 3120685.1/49

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



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: 2705.073+/-766.023 χ^2/NDF:14.4/6

Left: 1773.593+/-542.468 χ^2/NDF: 19.8/14

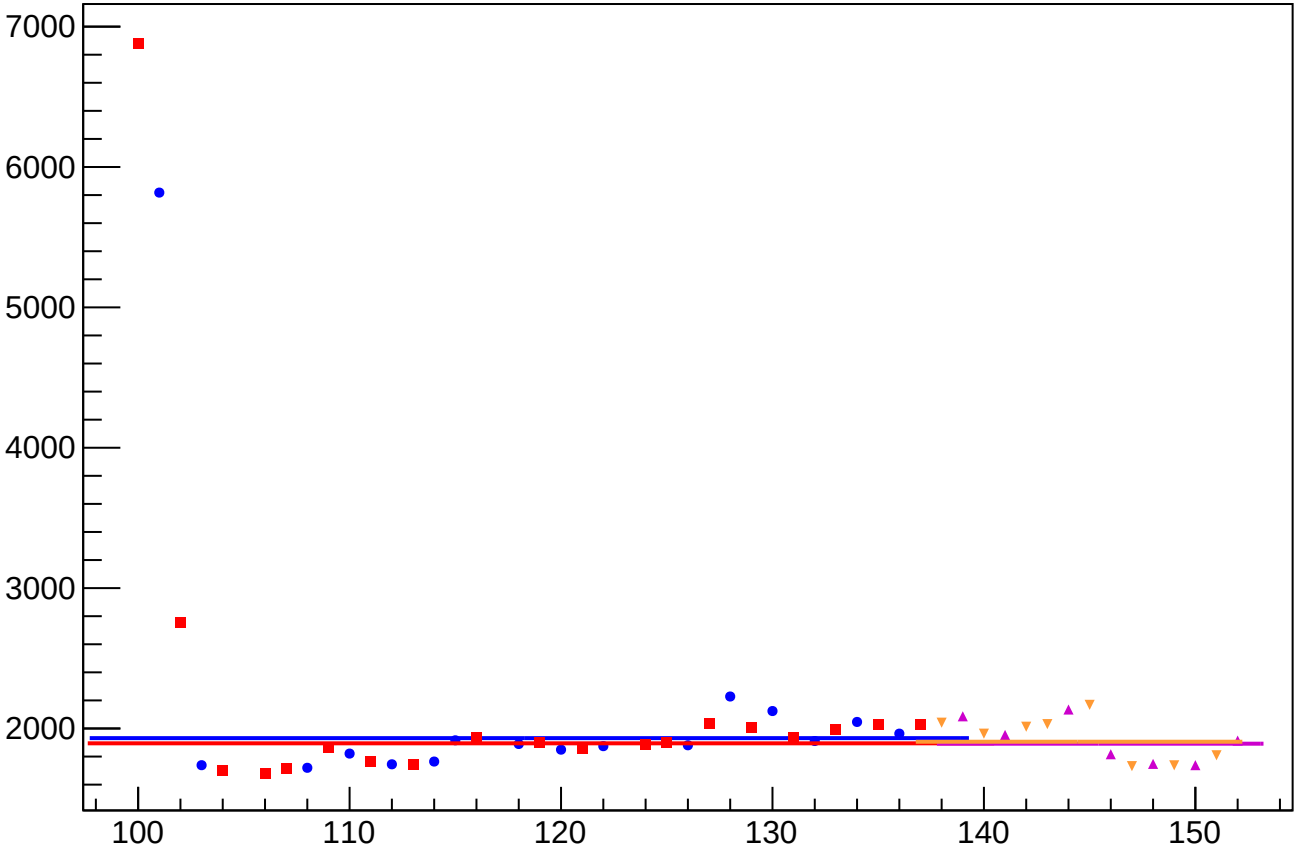
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2708.364+/-530.385 χ^2/NDF:26.5/22

Out: 1751.763+/-520.032 χ^2/NDF:18.3/26

All: 2220.636+/-371.325 χ^2/NDF: 46.5/49

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: 1891.684+/-0.542 χ^2/NDF:68496.5/6

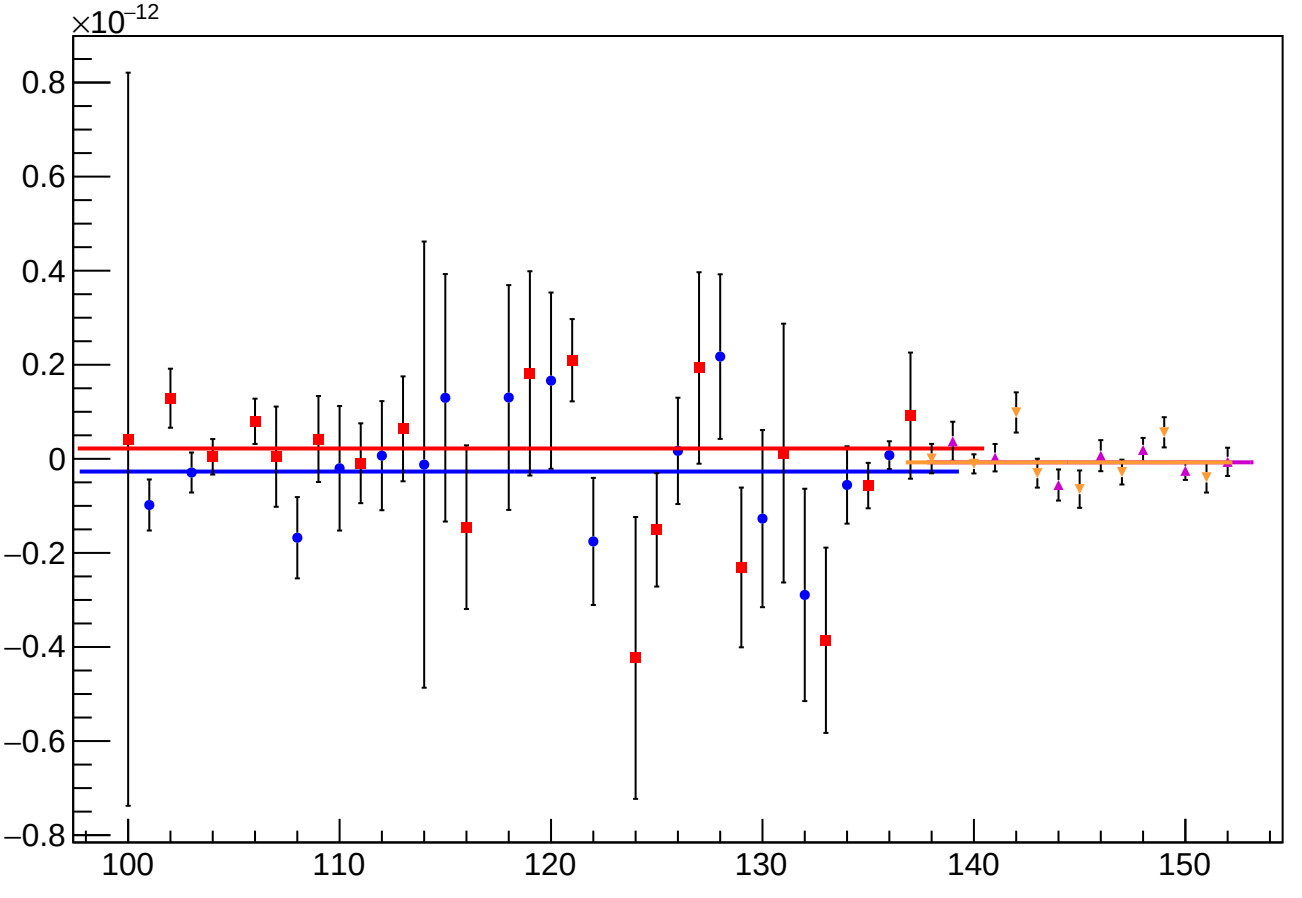
Left: 1898.659+/-0.384 χ^2/NDF: 146693.6/14

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1912.282+/-0.375 χ^2/NDF:732501.3/22

Out: 1899.538+/-0.368 χ^2/NDF:298641.2/26

All: 1905.784+/-0.263 χ^2/NDF: 1031731.2/49



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:5.5/6

Left: -0.000+/-0.000 χ^2/NDF: 19.9/14

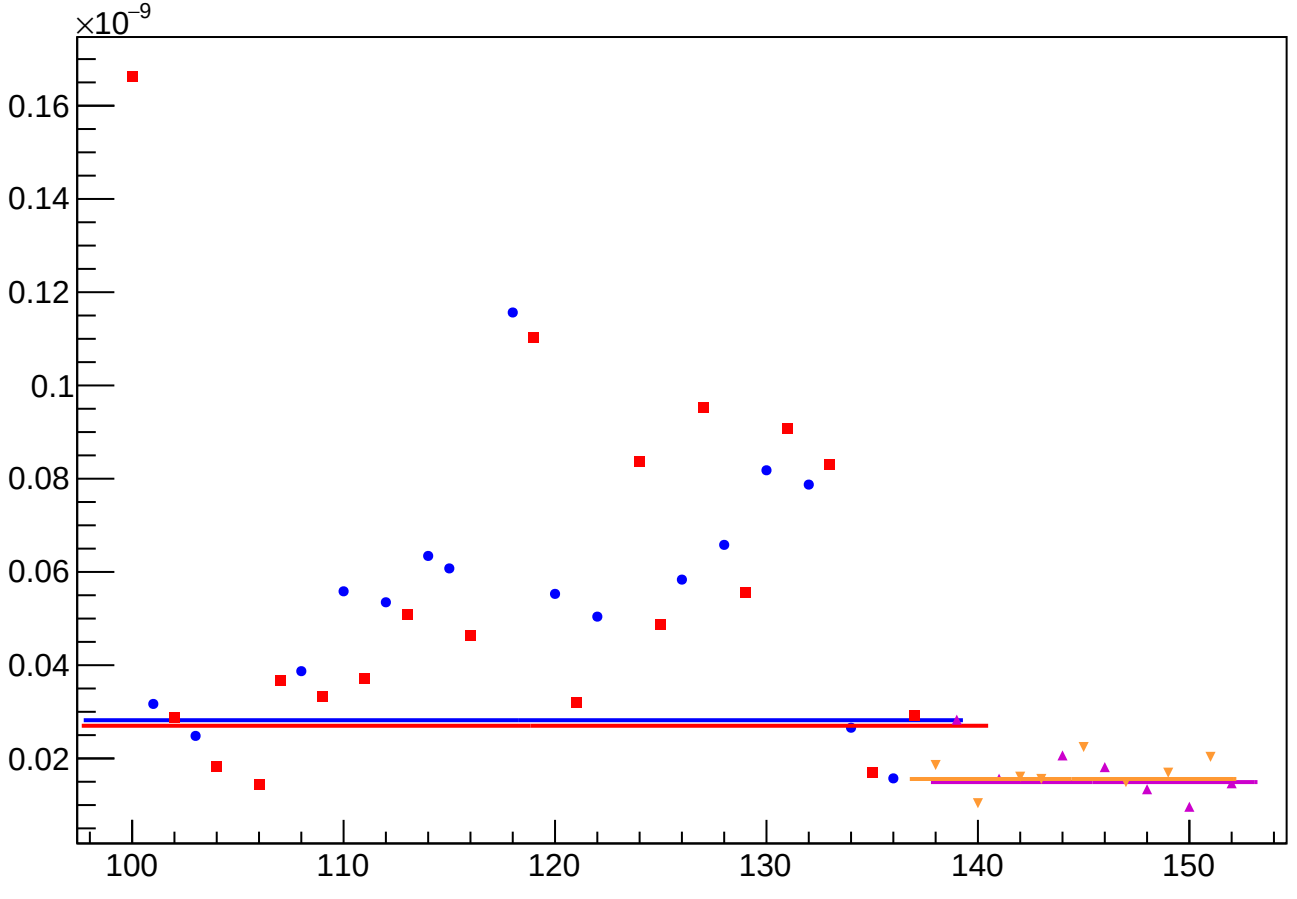
Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:19.1/22

Out: -0.000+/-0.000 χ^2/NDF:41.6/26

All: -0.000+/-0.000 χ^2/NDF: 61.4/49

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:257116.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:444596.7/6

Left: 0.000+/-0.000 χ^2/NDF: 705658.9/14

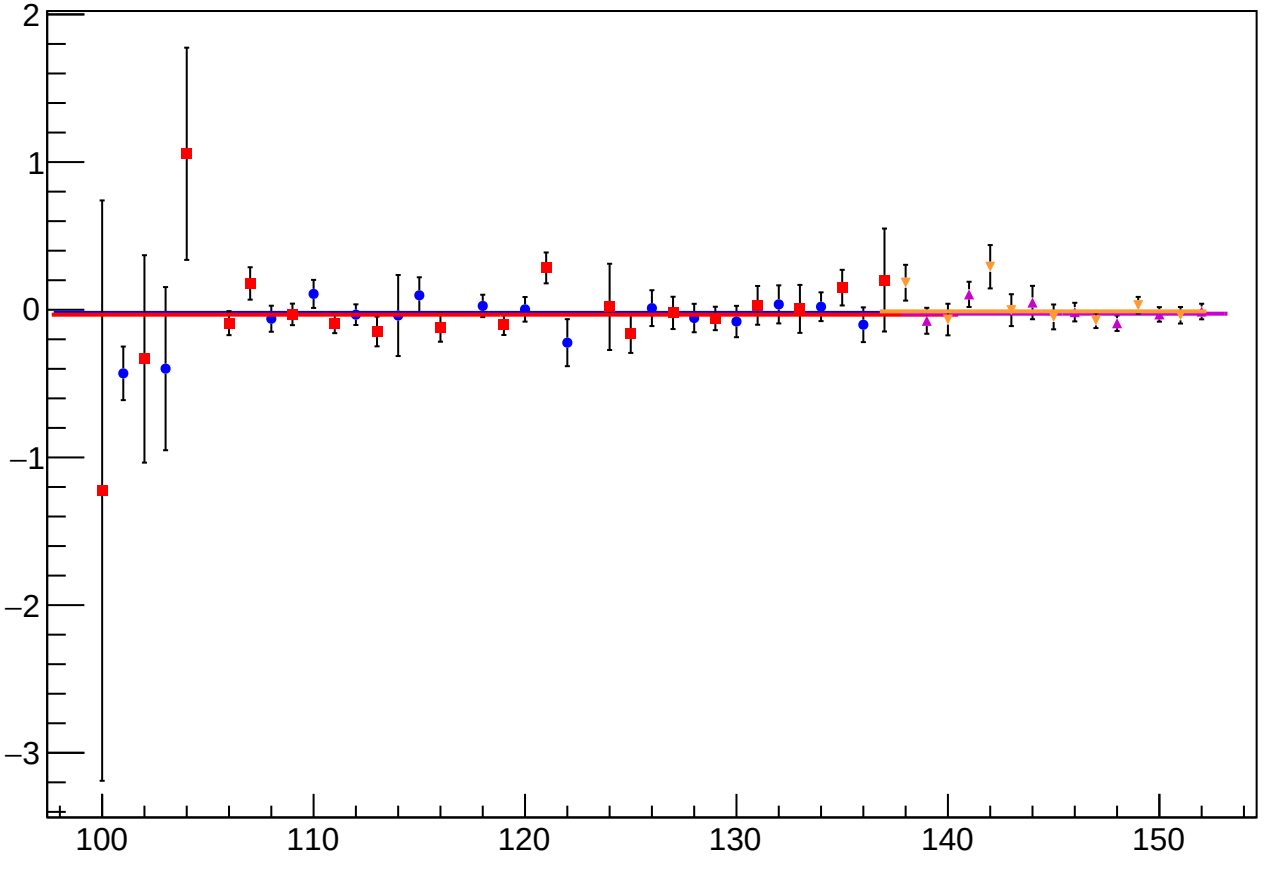
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:2669535.9/22

Out: 0.000+/-0.000 χ^2/NDF:2350234.4/26

All: 0.000+/-0.000 χ^2/NDF: 5020045.9/49

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.011+/-0.026 χ^2/NDF:9.4/7

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.026+/-0.024 χ^2/NDF:4.7/6

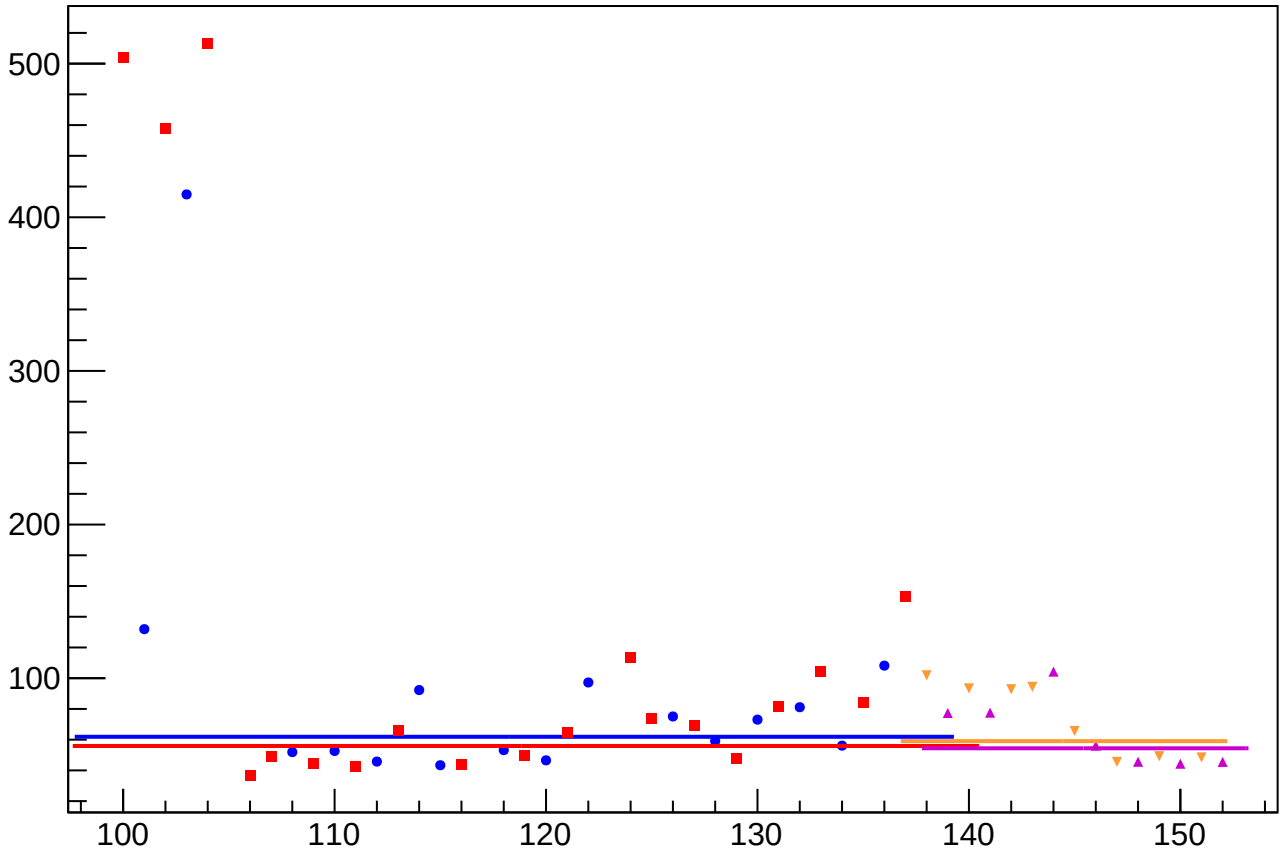
Left: -0.019+/-0.018 χ^2/NDF: 14.4/14

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.024+/-0.018 χ^2/NDF:16.8/22

Out: -0.023+/-0.018 χ^2/NDF:34.2/26

All: -0.024+/-0.013 χ^2/NDF: 51.0/49



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: 54.383+/-0.017 χ^2/NDF:871259.4/6

Left: 56.488+/-0.013 χ^2/NDF: 1962472.6/14

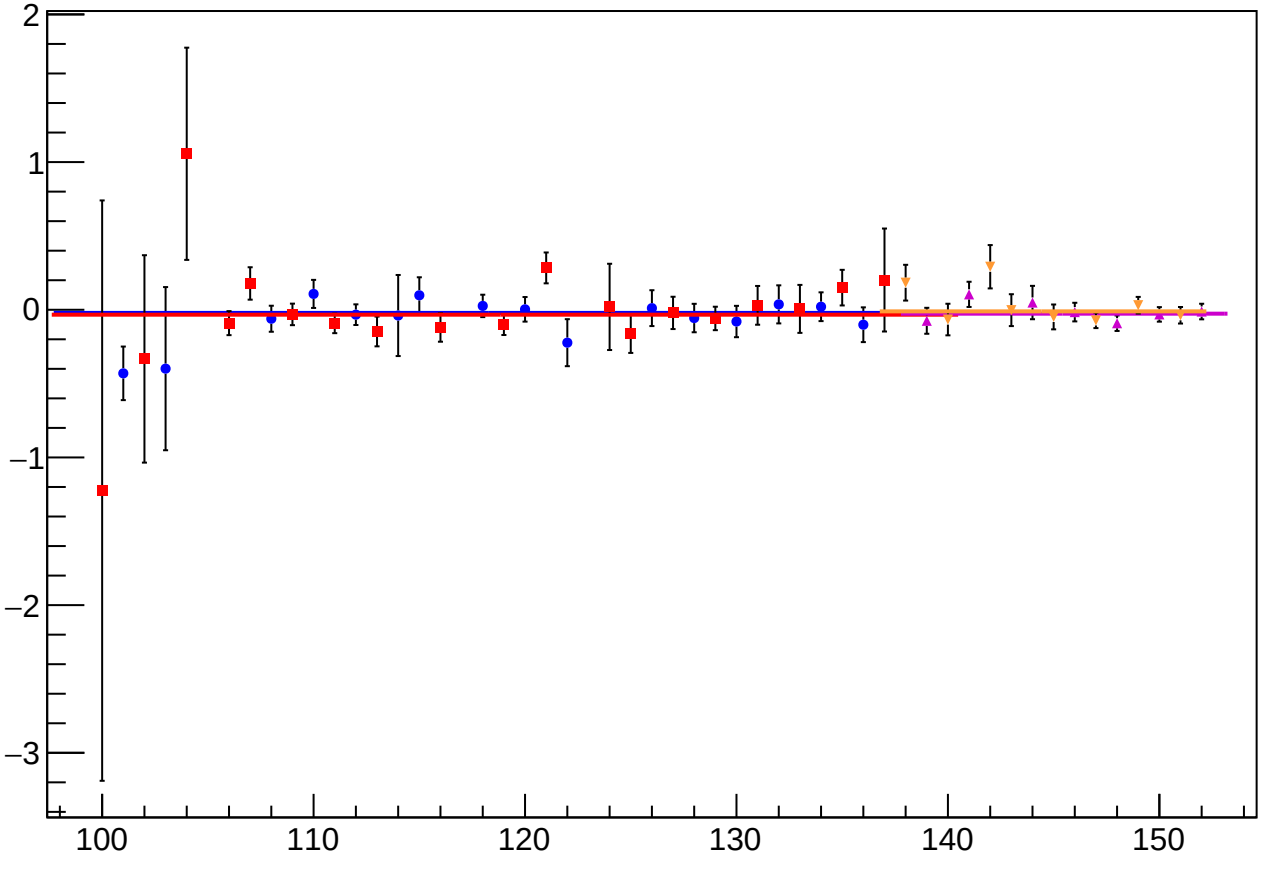
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 57.754+/-0.013 χ^2/NDF:2896791.5/22

Out: 57.348+/-0.013 χ^2/NDF:3663752.8/26

All: 57.554+/-0.009 χ^2/NDF: 6561058.2/49

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: -0.026+/-0.024 χ^2/NDF:4.7/6

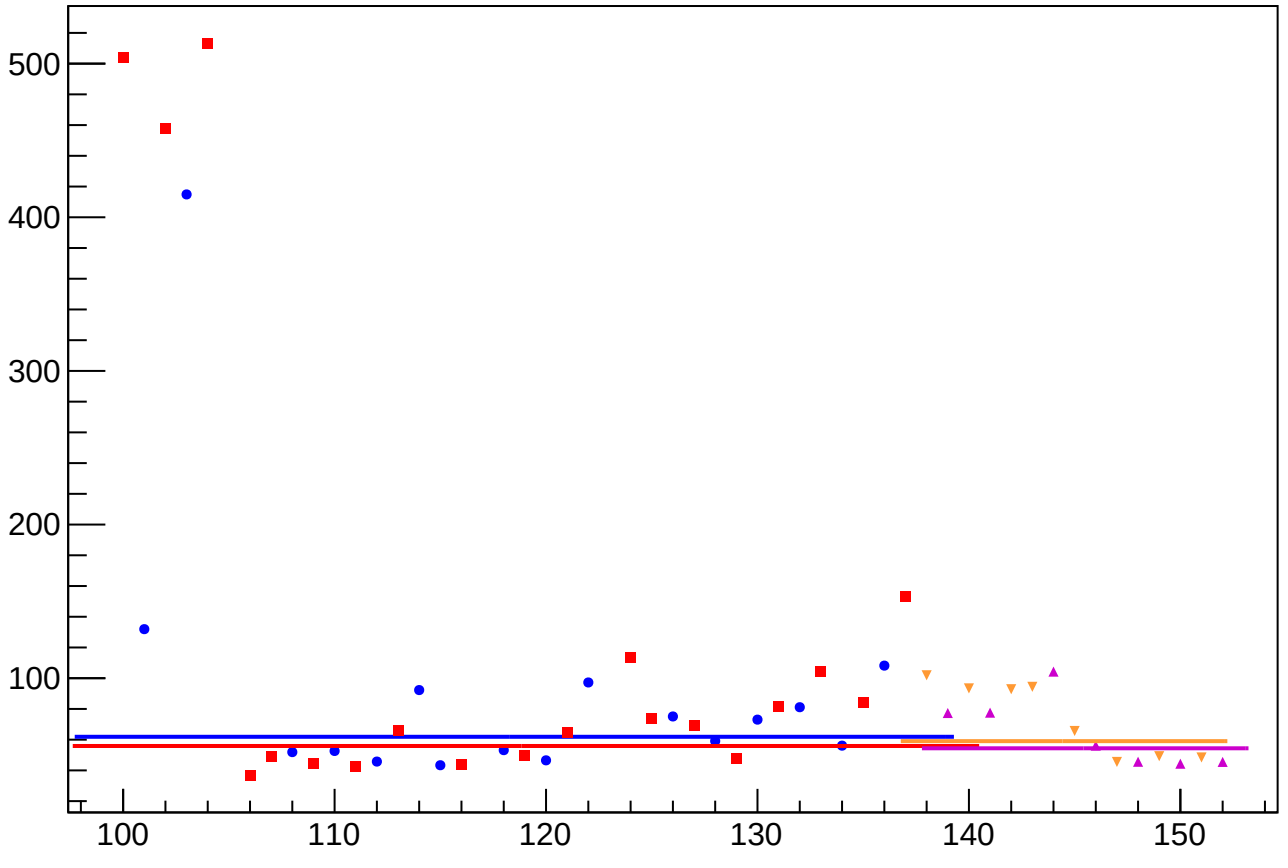
Left: -0.019+/-0.018 χ^2/NDF: 14.4/14

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.024+/-0.018 χ^2/NDF:16.8/22

Out: -0.023+/-0.018 χ^2/NDF:34.2/26

All: -0.024+/-0.013 χ^2/NDF: 51.0/49



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: 54.383+/-0.017 χ^2/NDF:871259.4/6

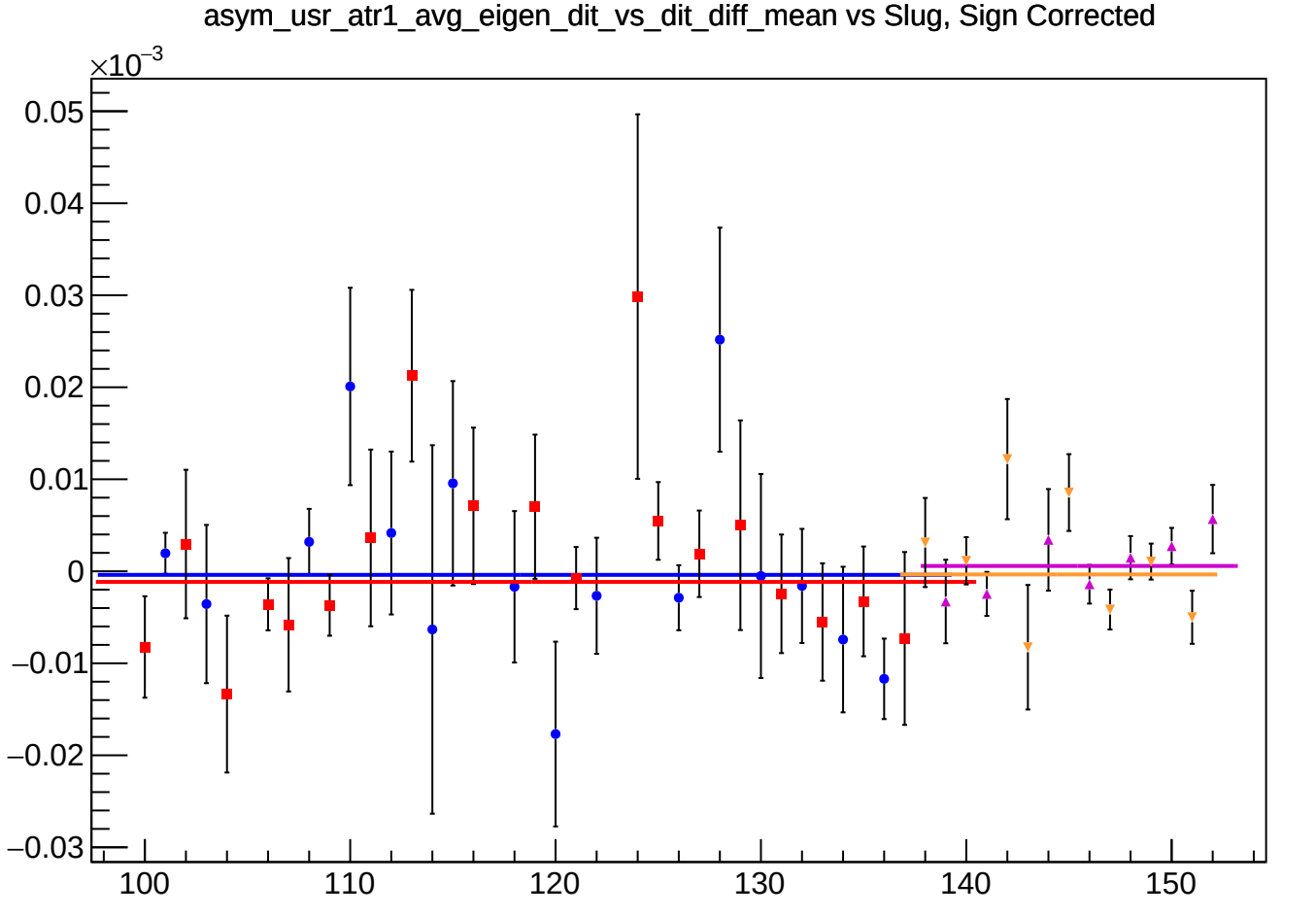
Left: 56.488+/-0.013 χ^2/NDF: 1962472.6/14

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 57.754+/-0.013 χ^2/NDF:2896791.5/22

Out: 57.348+/-0.013 χ^2/NDF:3663752.8/26

All: 57.554+/-0.009 χ^2/NDF: 6561058.2/49



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:6.7/6

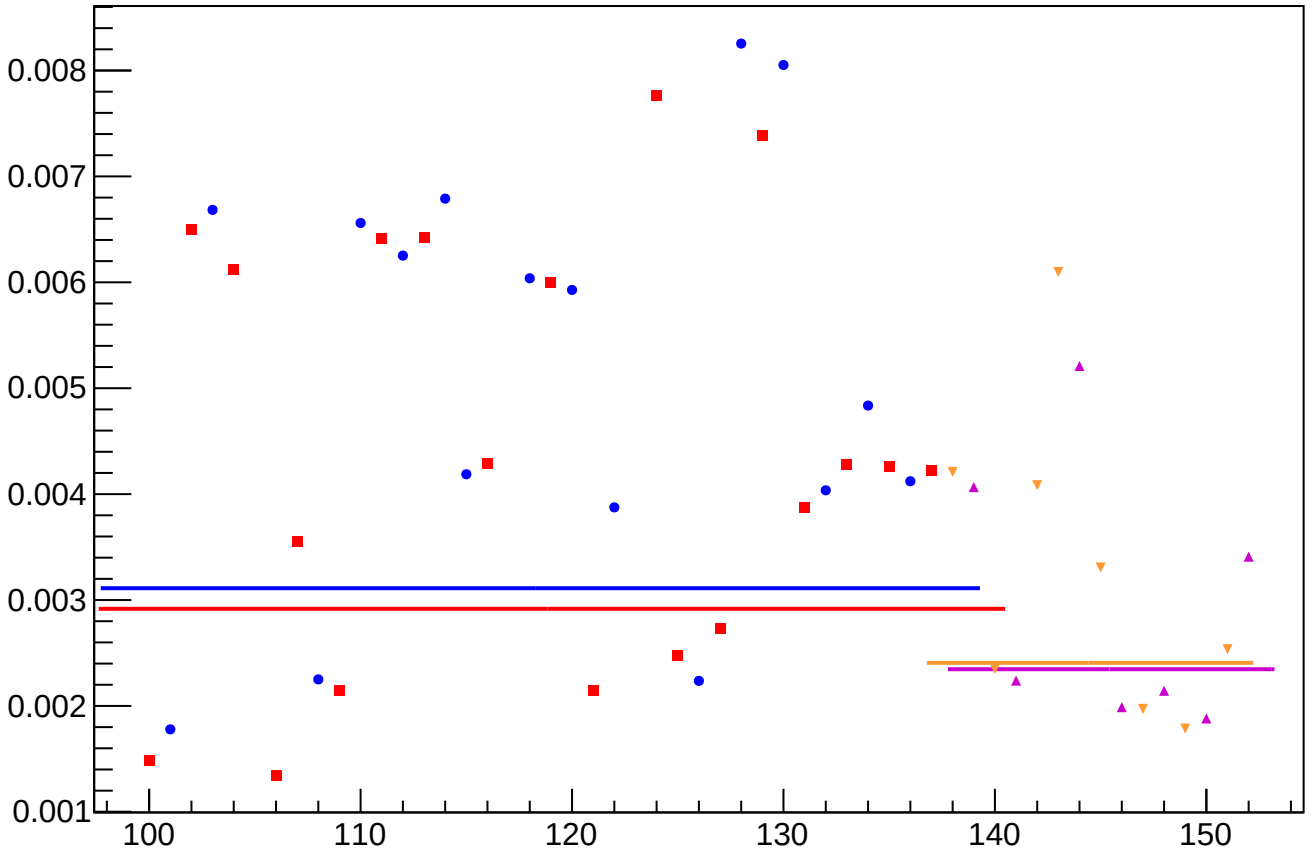
Left: 0.000+/-0.000 χ^2/NDF: 23.7/14

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:29.6/22

Out: -0.000+/-0.000 χ^2/NDF:37.3/26

All: -0.000+/-0.000 χ^2/NDF: 67.6/49



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:1174960.8/6

Left: 0.002+/-0.000 χ^2/NDF: 2561260.6/14

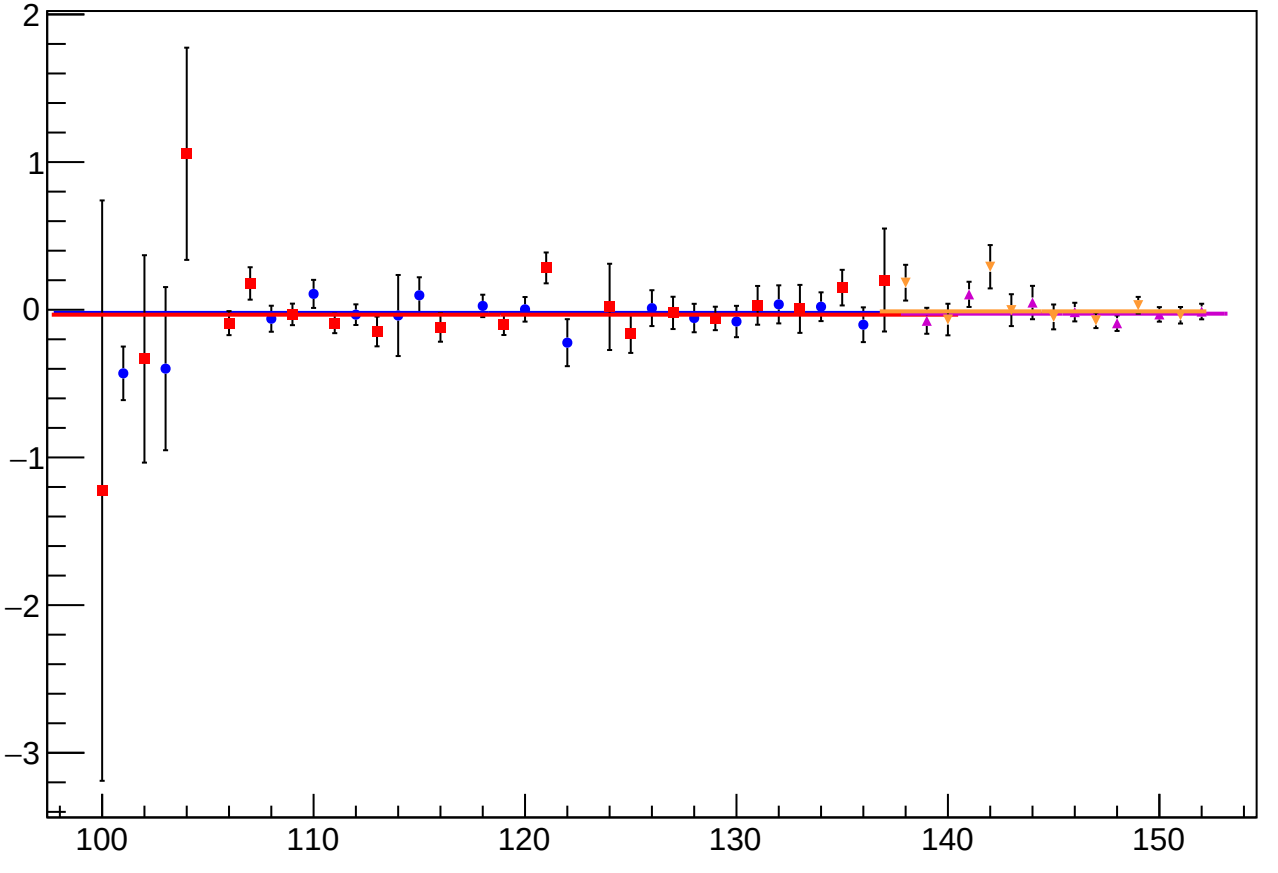
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.003+/-0.000 χ^2/NDF:4879505.2/22

Out: 0.003+/-0.000 χ^2/NDF:4871822.7/26

All: 0.003+/-0.000 χ^2/NDF: 9751361.7/49

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: -0.026+/-0.024 χ^2/NDF:4.7/6

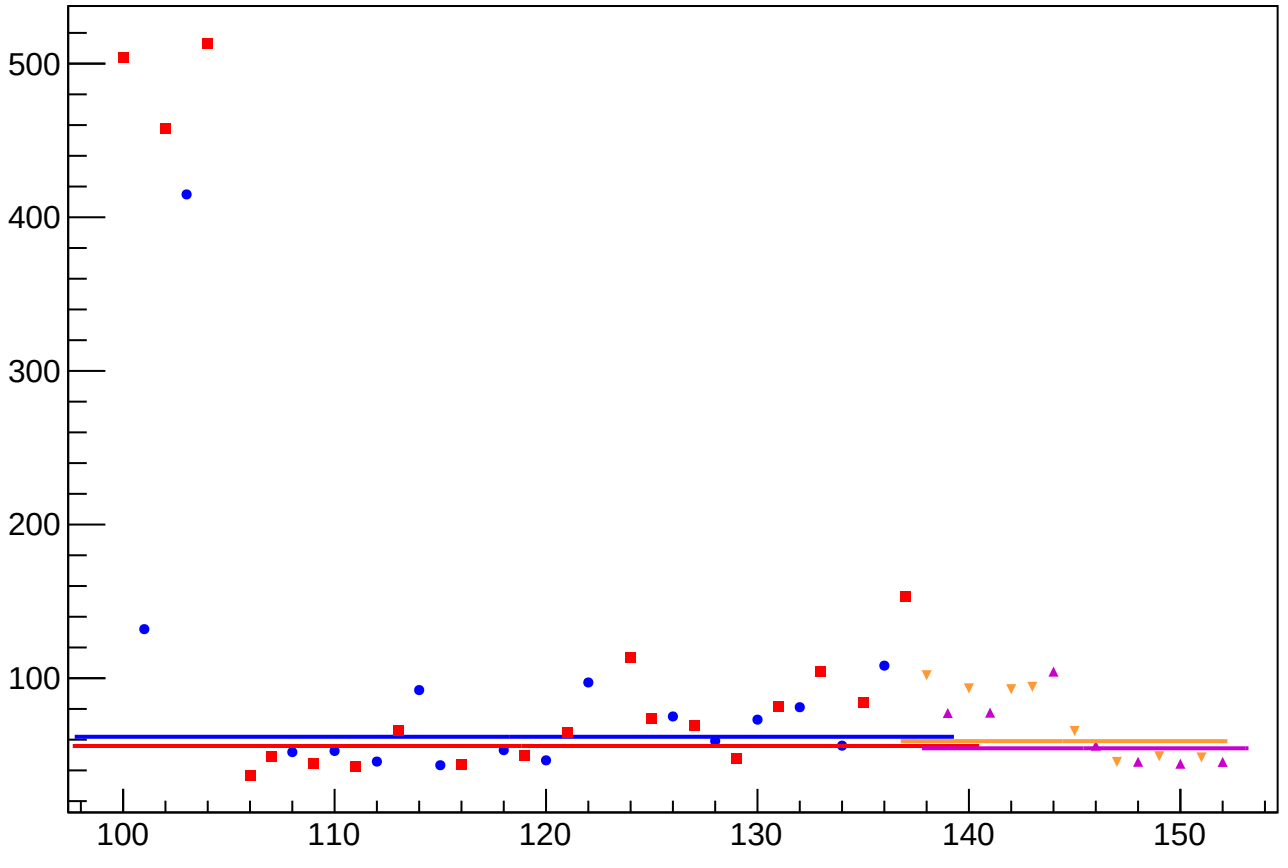
Left: -0.019+/-0.018 χ^2/NDF: 14.4/14

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.024+/-0.018 χ^2/NDF:16.8/22

Out: -0.023+/-0.018 χ^2/NDF:34.2/26

All: -0.024+/-0.013 χ^2/NDF: 51.0/49



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: 54.383+/-0.017 χ^2/NDF:871248.7/6

Left: 56.489+/-0.013 χ^2/NDF: 1962458.4/14

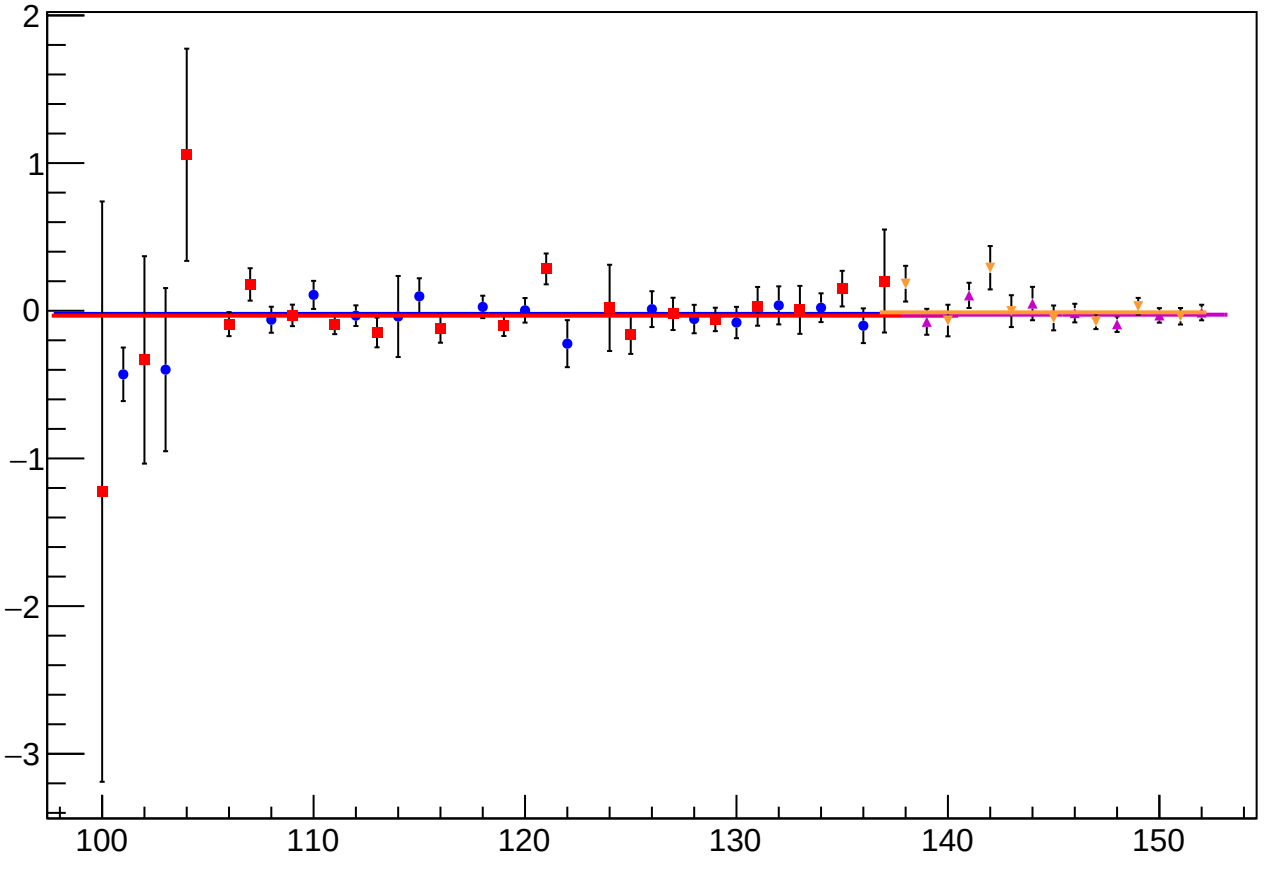
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.754+/-0.013 χ^2/NDF:2896709.5/22

Out: 57.348+/-0.013 χ^2/NDF:3663719.0/26

All: 57.553+/-0.009 χ^2/NDF: 6560943.2/49

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: -0.026+/-0.024 χ^2/NDF:4.7/6

Left: -0.019+/-0.018 χ^2/NDF: 14.4/14

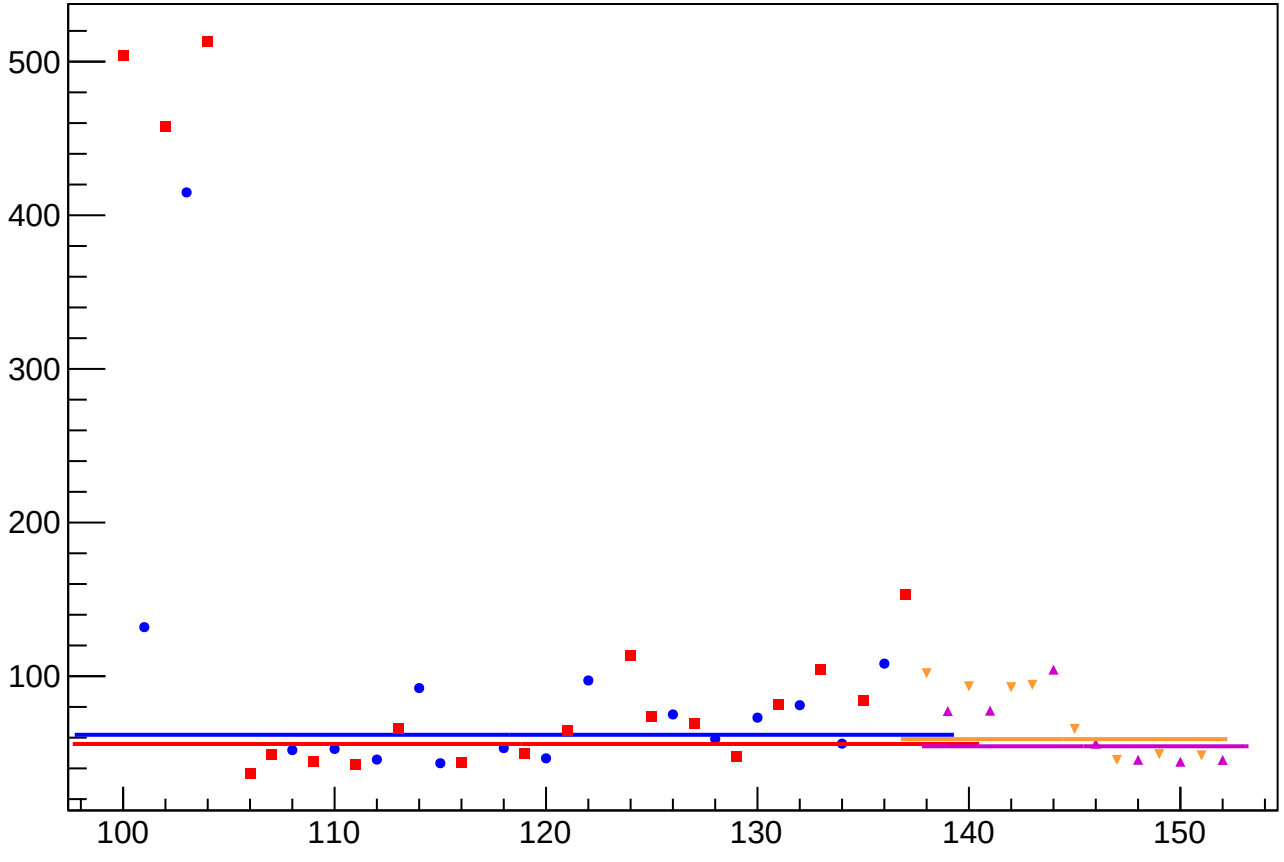
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.024+/-0.018 χ^2/NDF:16.8/22

Out: -0.023+/-0.018 χ^2/NDF:34.2/26

All: -0.024+/-0.013 χ^2/NDF: 51.0/49

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: 54.383+/-0.017 χ^2/NDF:871248.7/6

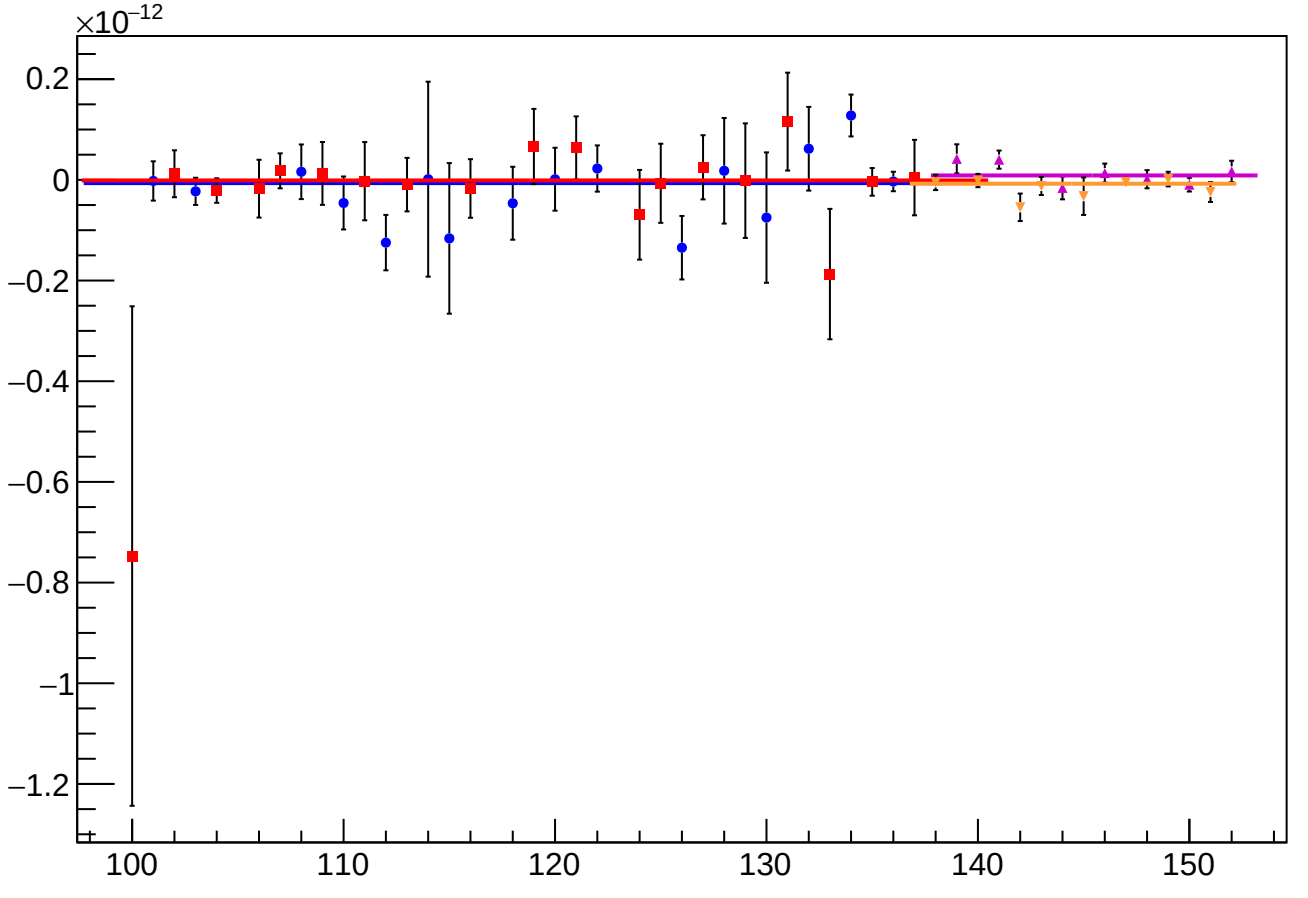
Left: 56.489+/-0.013 χ^2/NDF: 1962458.4/14

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.754+/-0.013 χ^2/NDF:2896709.5/22

Out: 57.348+/-0.013 χ^2/NDF:3663719.0/26

All: 57.553+/-0.009 χ^2/NDF: 6560943.2/49



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:7.7/6

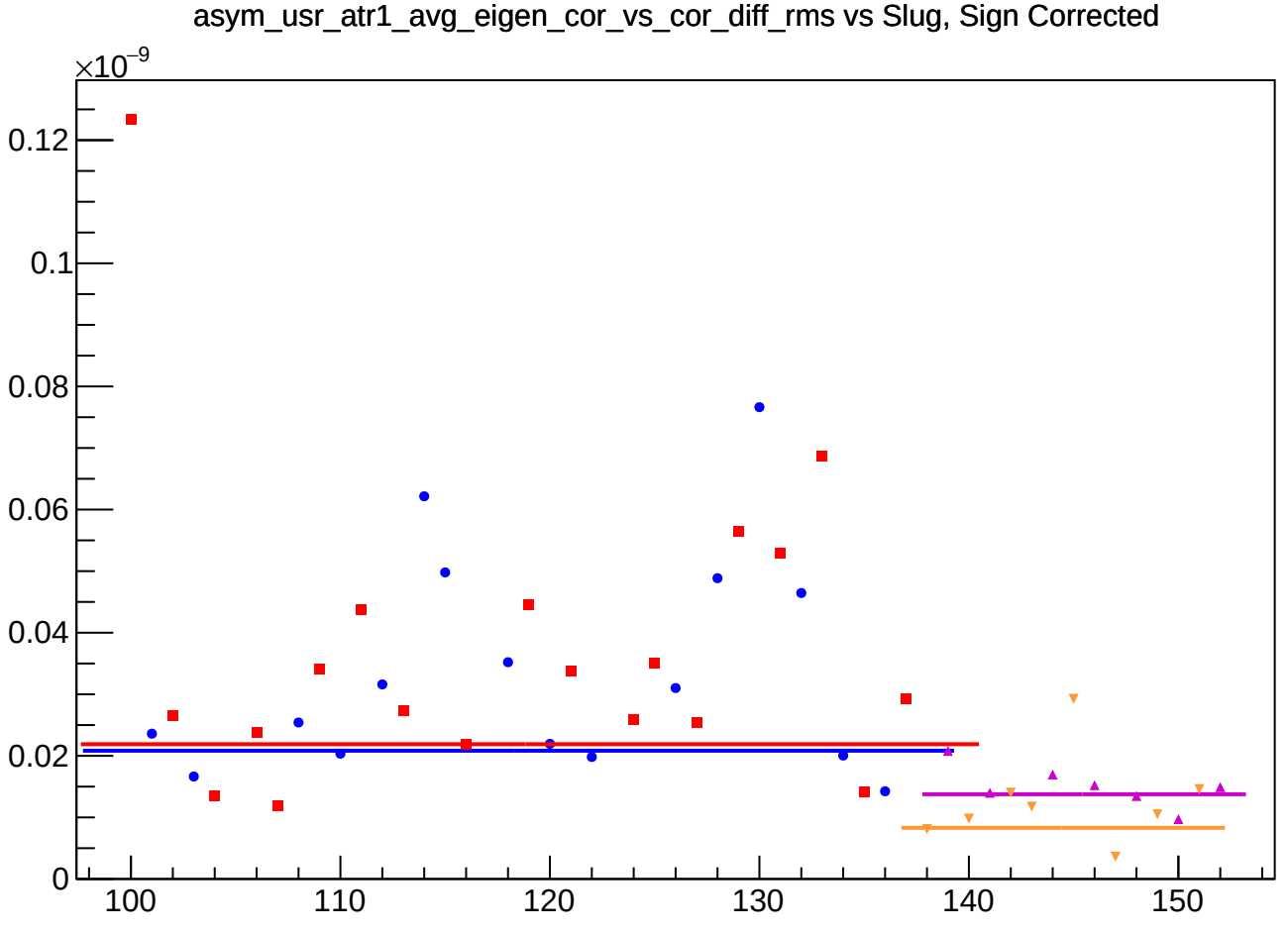
Left: -0.000+/-0.000 χ^2/NDF: 16.1/14

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: 0.000+/-0.000 χ^2/NDF:31.6/22

Out: -0.000+/-0.000 χ^2/NDF:14.9/26

All: -0.000+/-0.000 χ^2/NDF: 48.5/49



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:351733.5/6

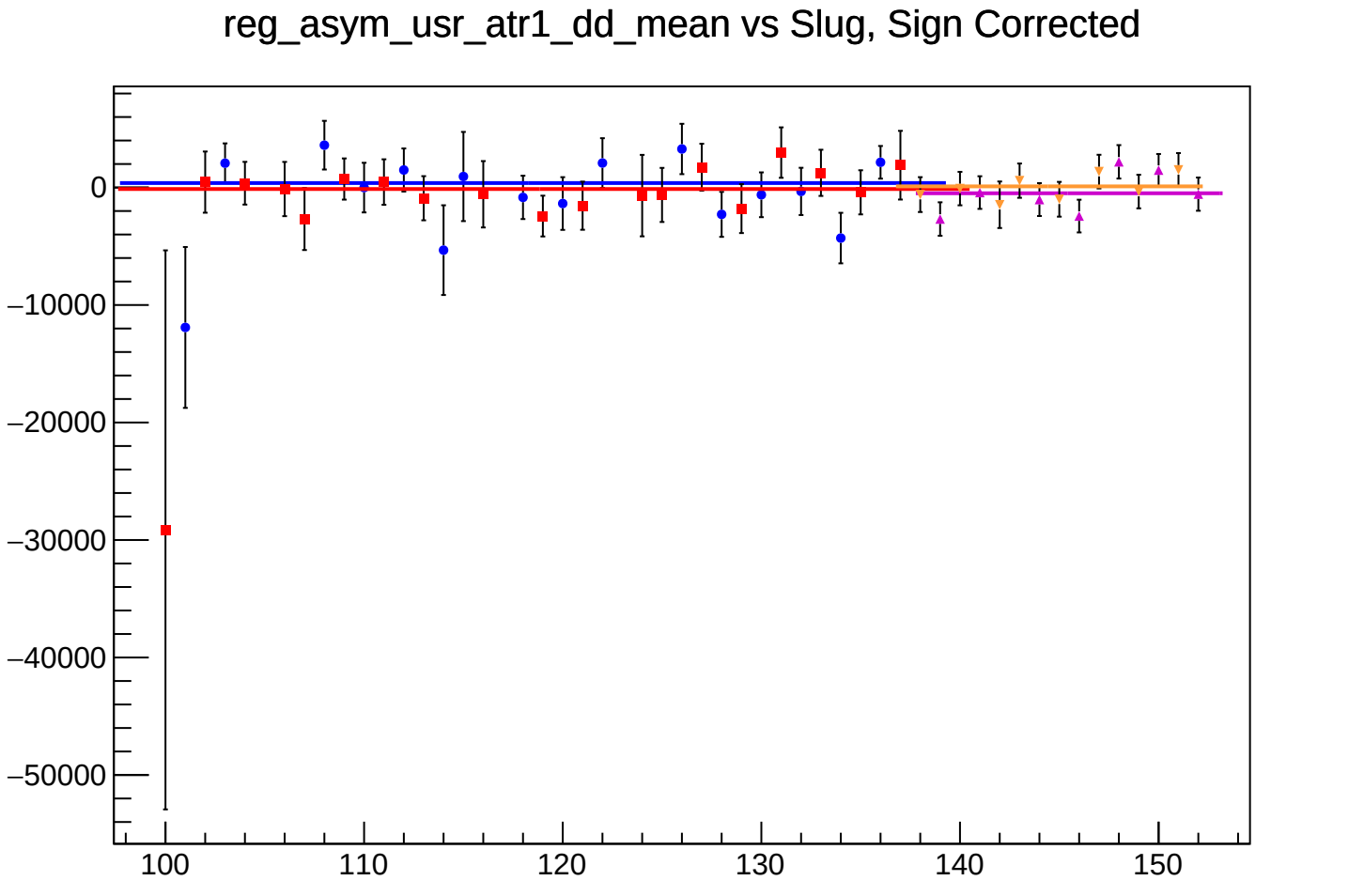
Left: 0.000+/-0.000 χ^2/NDF: 2809757.8/14

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:2297723.1/22

Out: 0.000+/-0.000 χ^2/NDF:5788814.2/26

All: 0.000+/-0.000 χ^2/NDF: 9031514.2/49



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: -489.386+/-529.841 χ^2/NDF:10.1/6

Left: -194.491+/-373.755 χ^2/NDF: 14.0/14

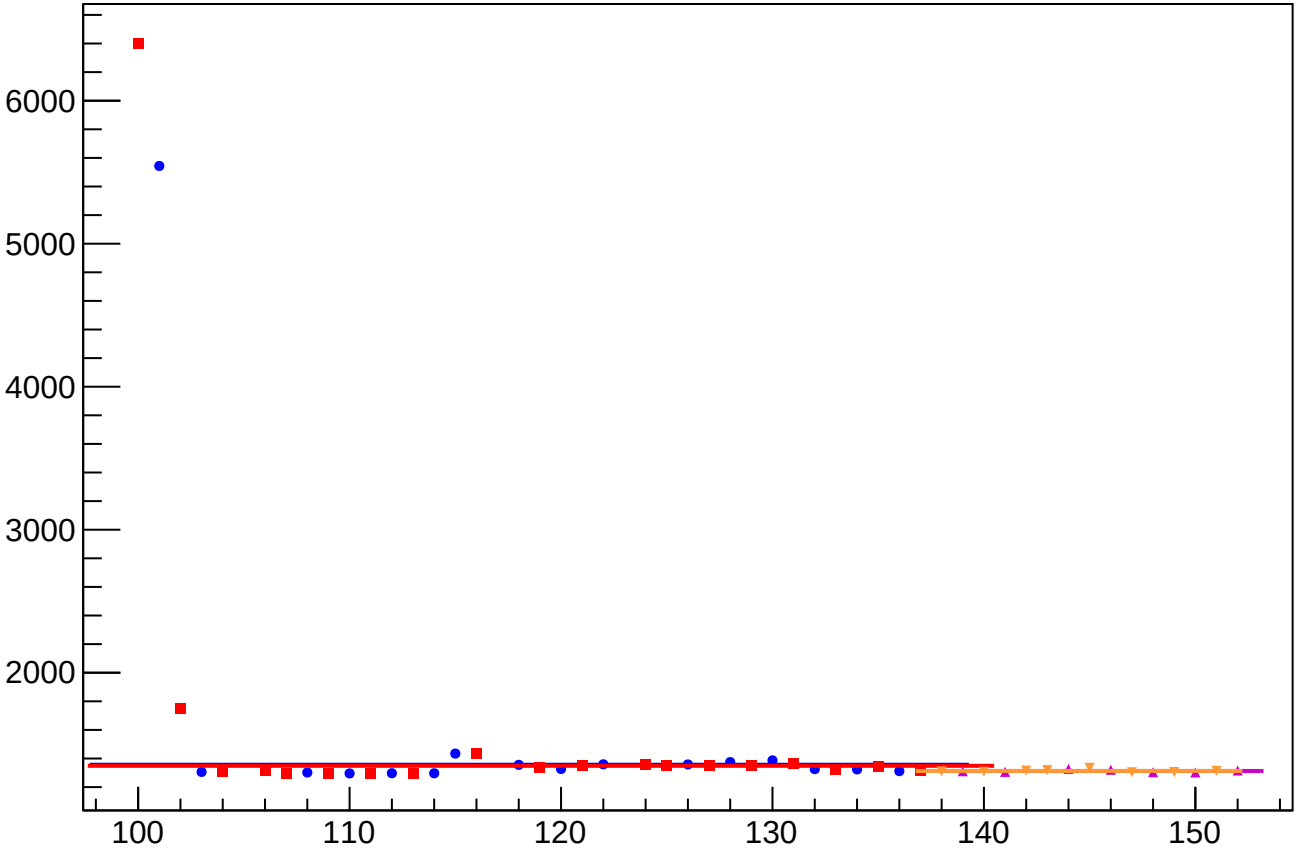
Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: -43.975+/-370.319 χ^2/NDF:33.0/22

Out: -20.938+/-363.201 χ^2/NDF:13.4/26

All: -32.233+/-259.302 χ^2/NDF: 46.4/49

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



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: 1312.823+/-0.375 χ^2/NDF:537.3/6

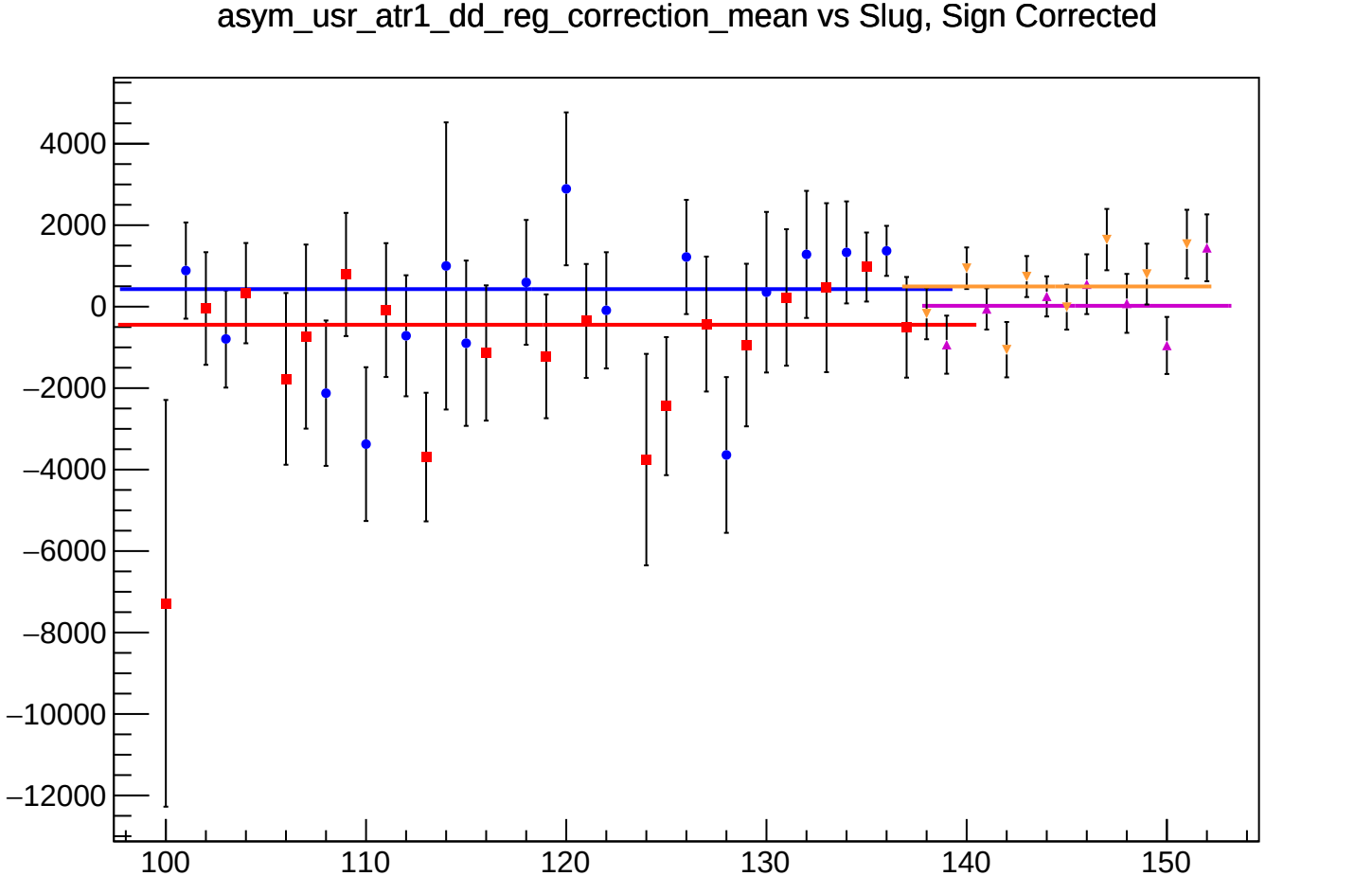
Left: 1313.010+/-0.264 χ^2/NDF: 1177.7/14

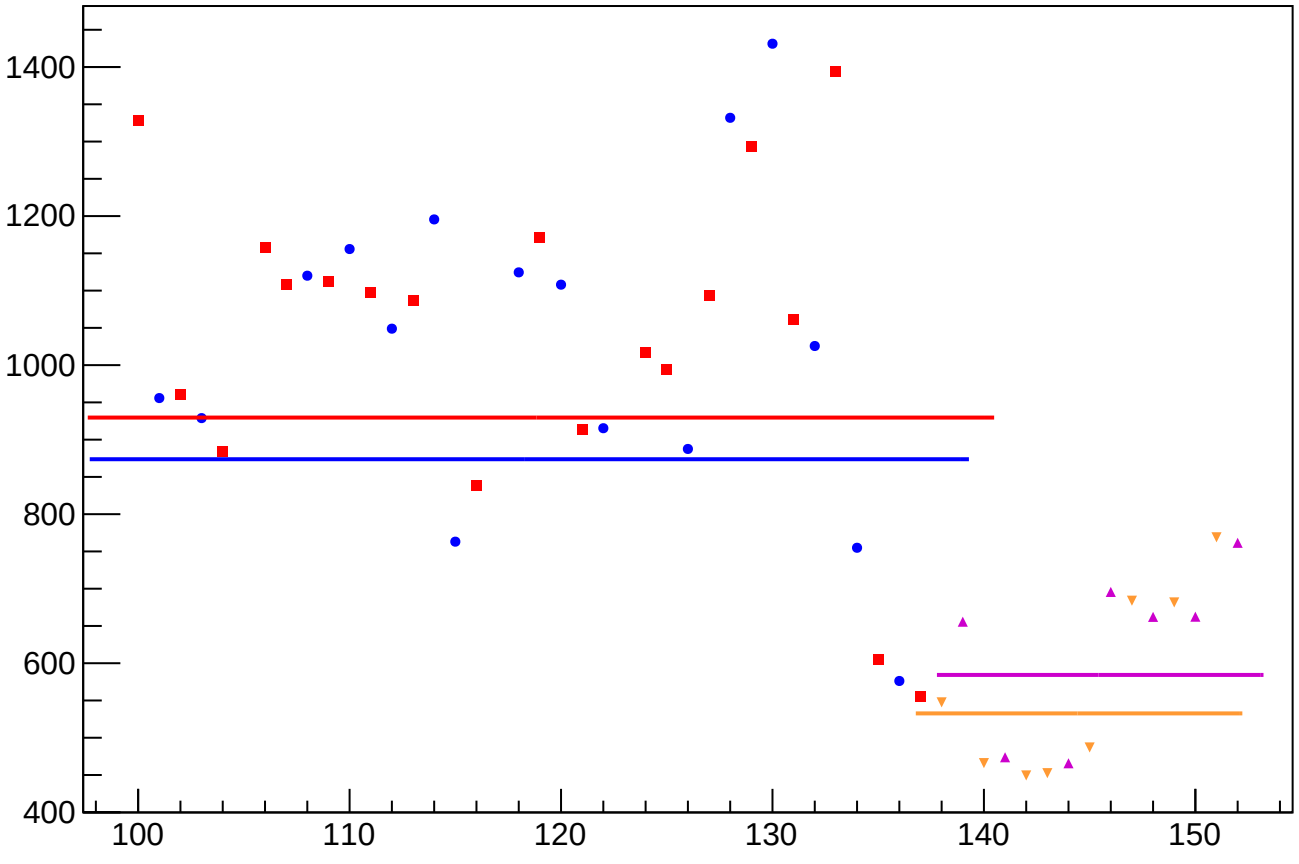
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1335.111+/-0.262 χ^2/NDF:767722.8/22

Out: 1332.001+/-0.257 χ^2/NDF:152744.8/26

All: 1333.526+/-0.183 χ^2/NDF: 920539.5/49


asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
Right In: 430.363+/-338.459 χ²/NDF: 18.2/15
Left Out: 495.527+/-219.553 χ²/NDF:12.2/7
Right Out: -444.555+/-355.594 χ²/NDF: 14.4/18
Left In: 20.977+/-240.606 χ²/NDF:7.5/6
Left: 279.918+/-162.181 χ²/NDF: 21.8/14
Right: 14.491+/-245.161 χ²/NDF: 35.8/34
In: 158.411+/-196.104 χ²/NDF:26.7/22
Out: 236.065+/-186.814 χ²/NDF:31.7/26
All: 199.120+/-135.262 χ²/NDF: 58.5/49



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: 584.290+/-0.170 χ^2/NDF:418417.1/6

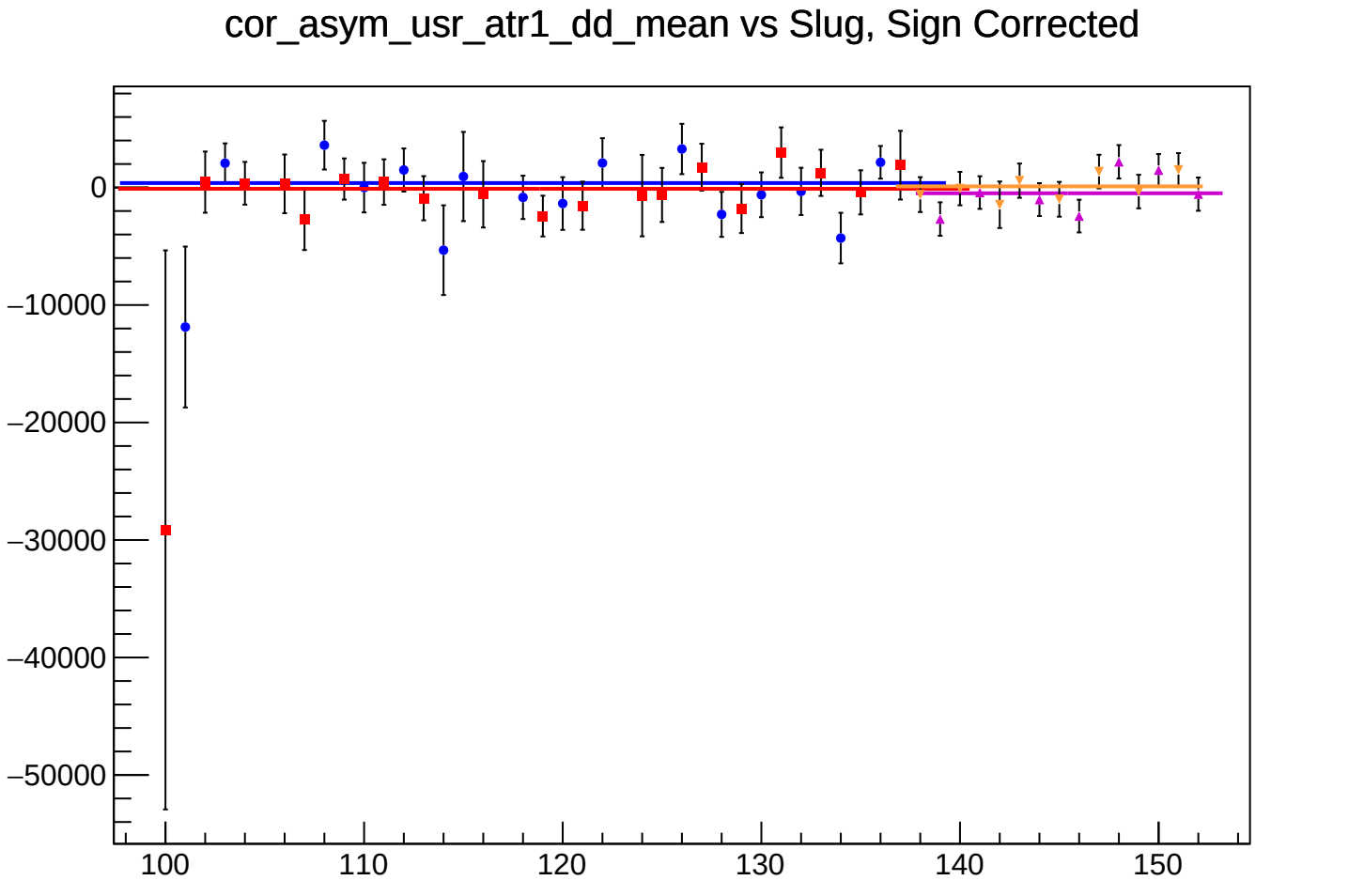
Left: 556.118+/-0.115 χ^2/NDF: 916046.3/14

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 681.458+/-0.139 χ^2/NDF:2404911.8/22

Out: 642.226+/-0.132 χ^2/NDF:3111939.7/26

All: 660.891+/-0.096 χ^2/NDF: 5558813.6/49



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: -489.460+/-529.841 χ^2/NDF:10.1/6

Left: -194.563+/-373.755 χ^2/NDF: 14.0/14

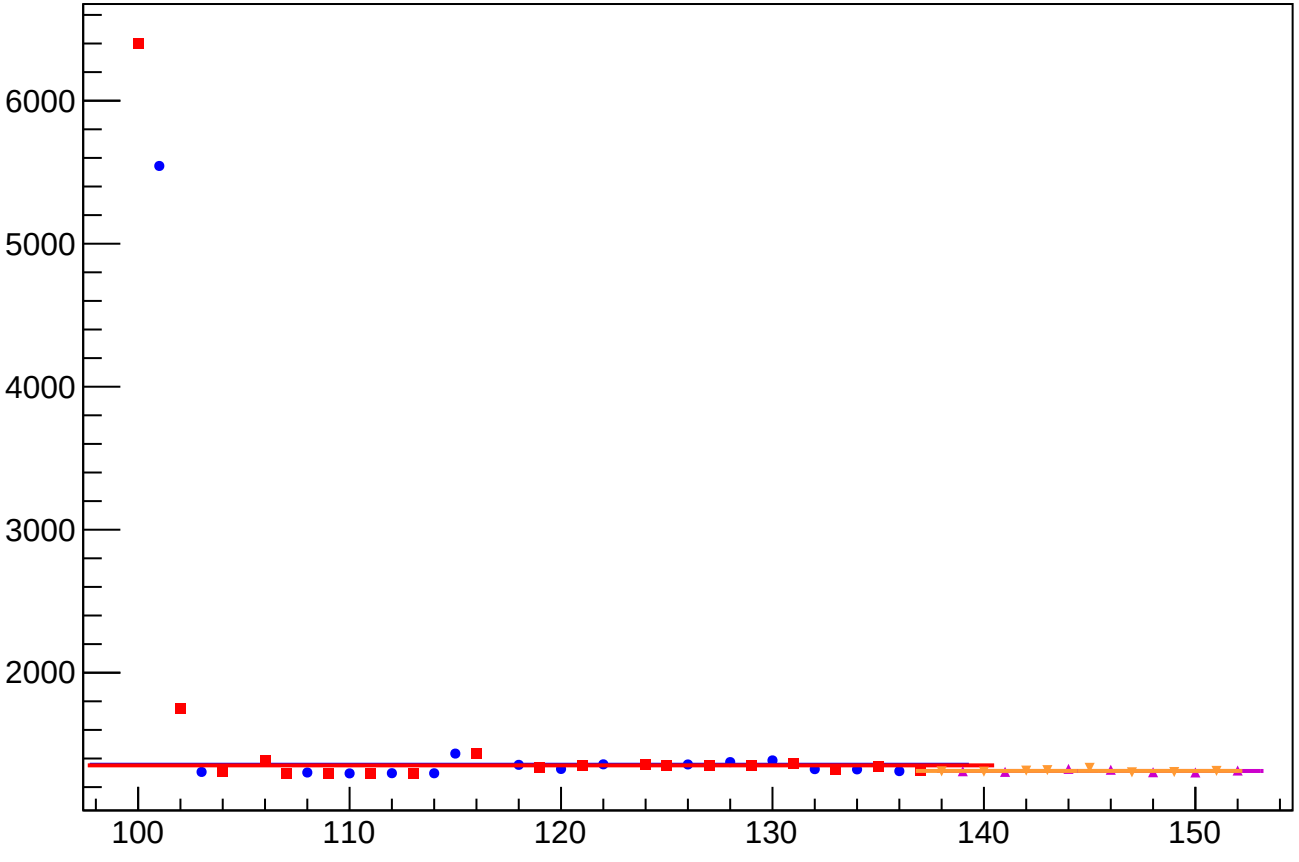
Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -43.854+/-370.319 χ^2/NDF:32.9/22

Out: -11.342+/-363.851 χ^2/NDF:13.4/26

All: -27.311+/-259.538 χ^2/NDF: 46.4/49

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: 1312.823+/-0.375 χ^2/NDF:537.3/6

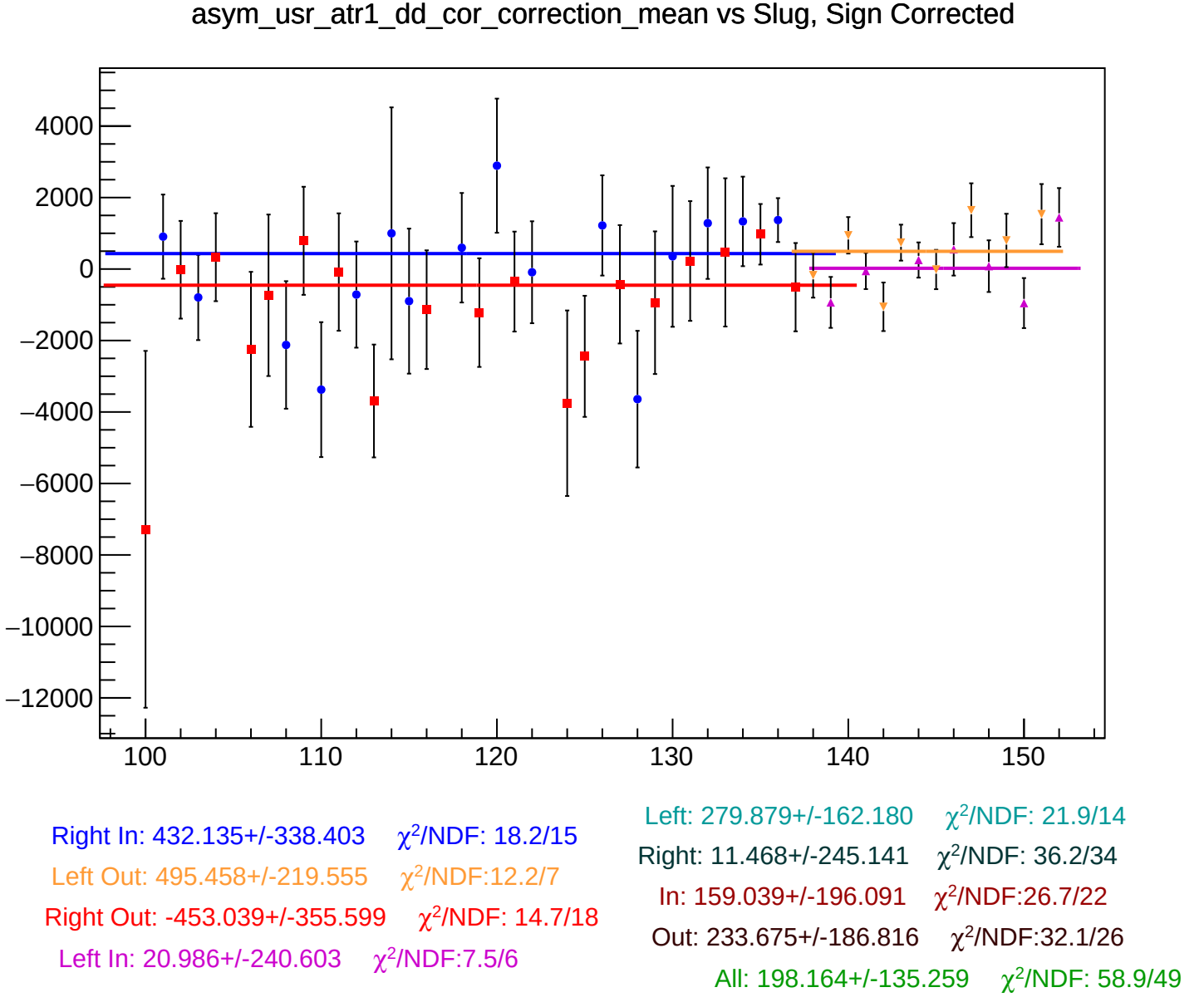
Left: 1313.010+/-0.264 χ^2/NDF: 1177.7/14

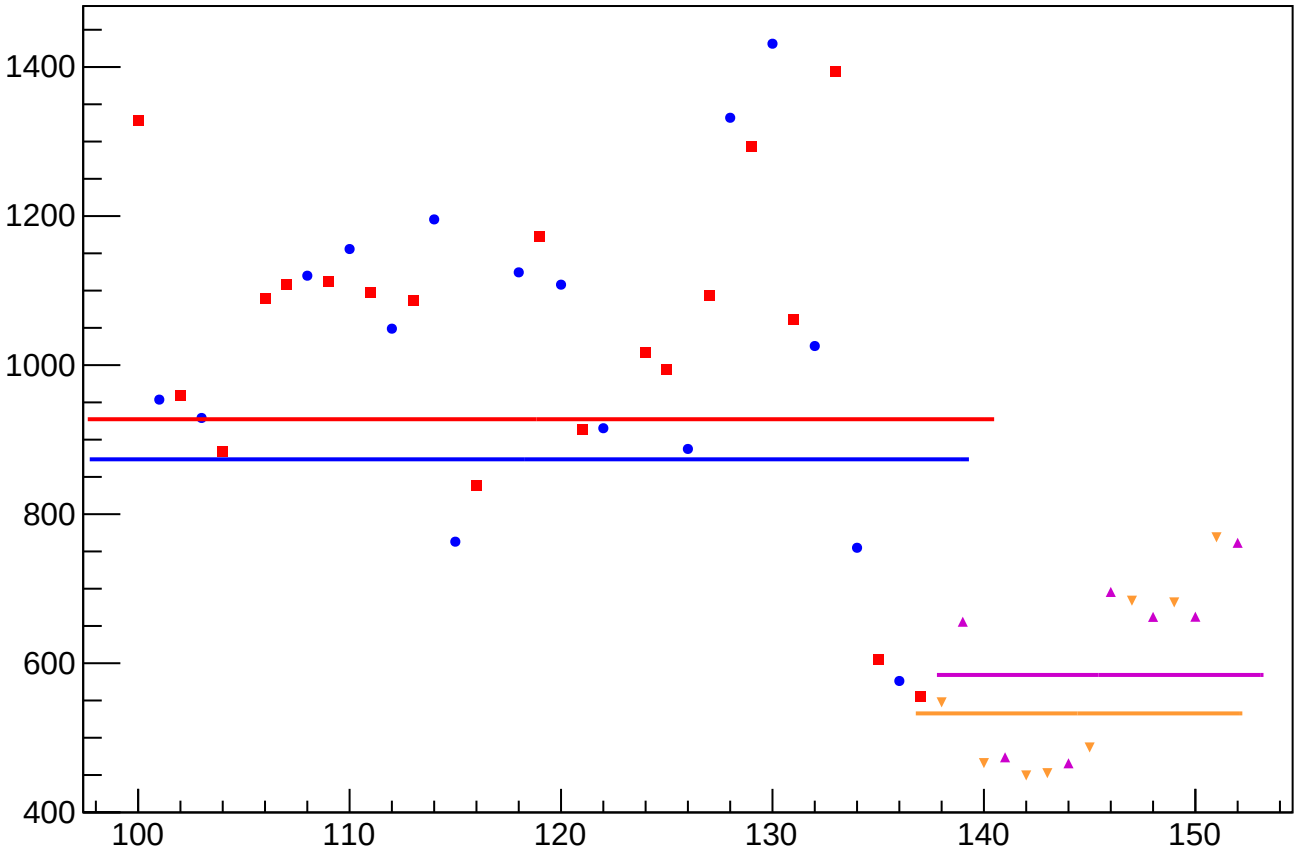
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1335.111+/-0.262 χ^2/NDF:767721.8/22

Out: 1333.568+/-0.257 χ^2/NDF:153664.7/26

All: 1334.326+/-0.184 χ^2/NDF: 921404.2/49


asym_usr_atr1_dd_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 495.458+/-219.555 χ²/NDF:12.2/7
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: 20.986+/-240.603 χ²/NDF:7.5/6
Left: 279.879+/-162.180 χ²/NDF: 21.9/14
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 159.039+/-196.091 χ²/NDF:26.7/22
Out: 233.675+/-186.816 χ²/NDF:32.1/26
All: 198.164+/-135.259 χ²/NDF: 58.9/49



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: 584.281+/-0.170 χ^2/NDF:418458.9/6

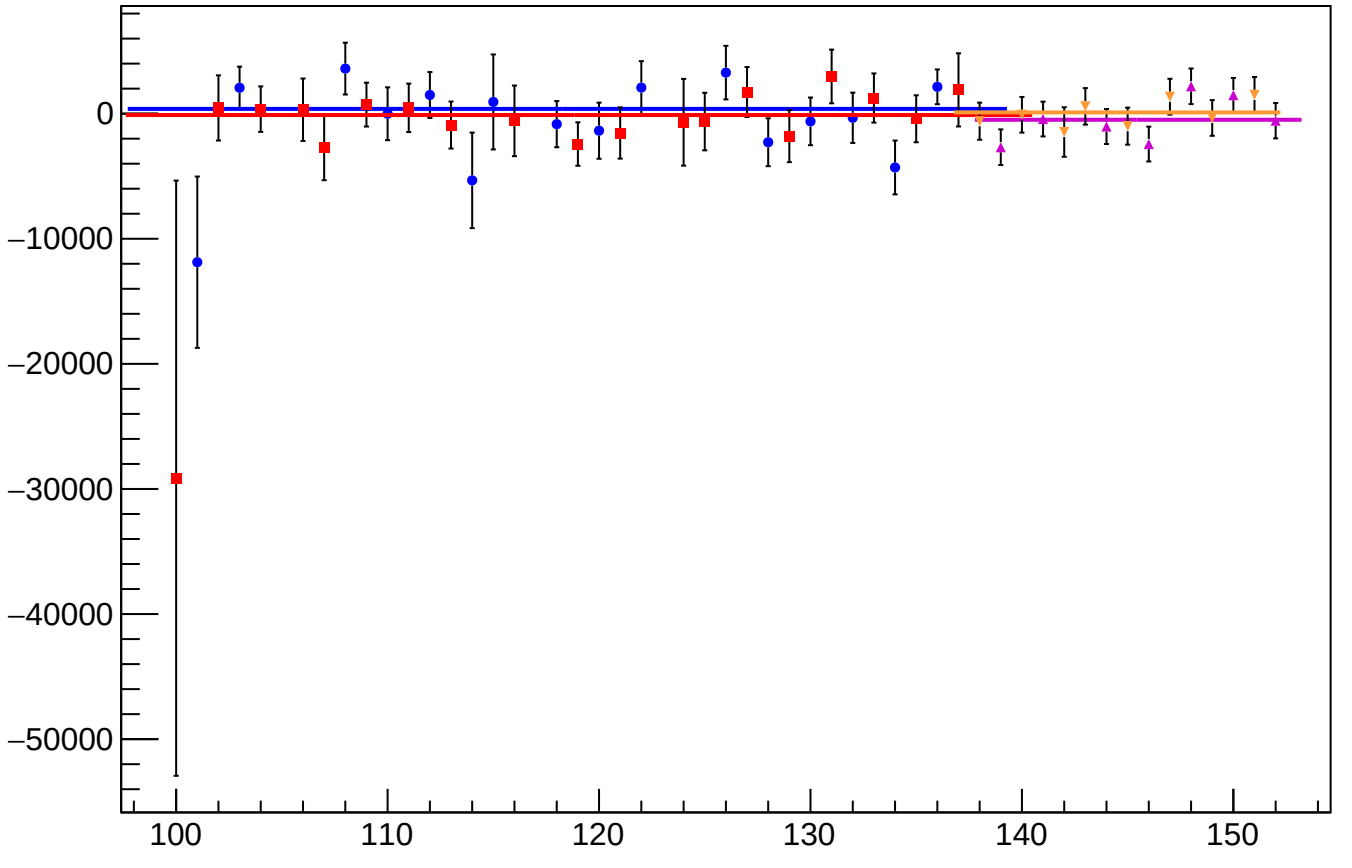
Left: 556.117+/-0.115 χ^2/NDF: 916057.0/14

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 681.429+/-0.139 χ^2/NDF:2403935.9/22

Out: 641.613+/-0.132 χ^2/NDF:3079086.1/26

All: 660.557+/-0.096 χ^2/NDF: 5526246.7/49



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: -489.460+/-529.841 χ^2/NDF:10.1/6

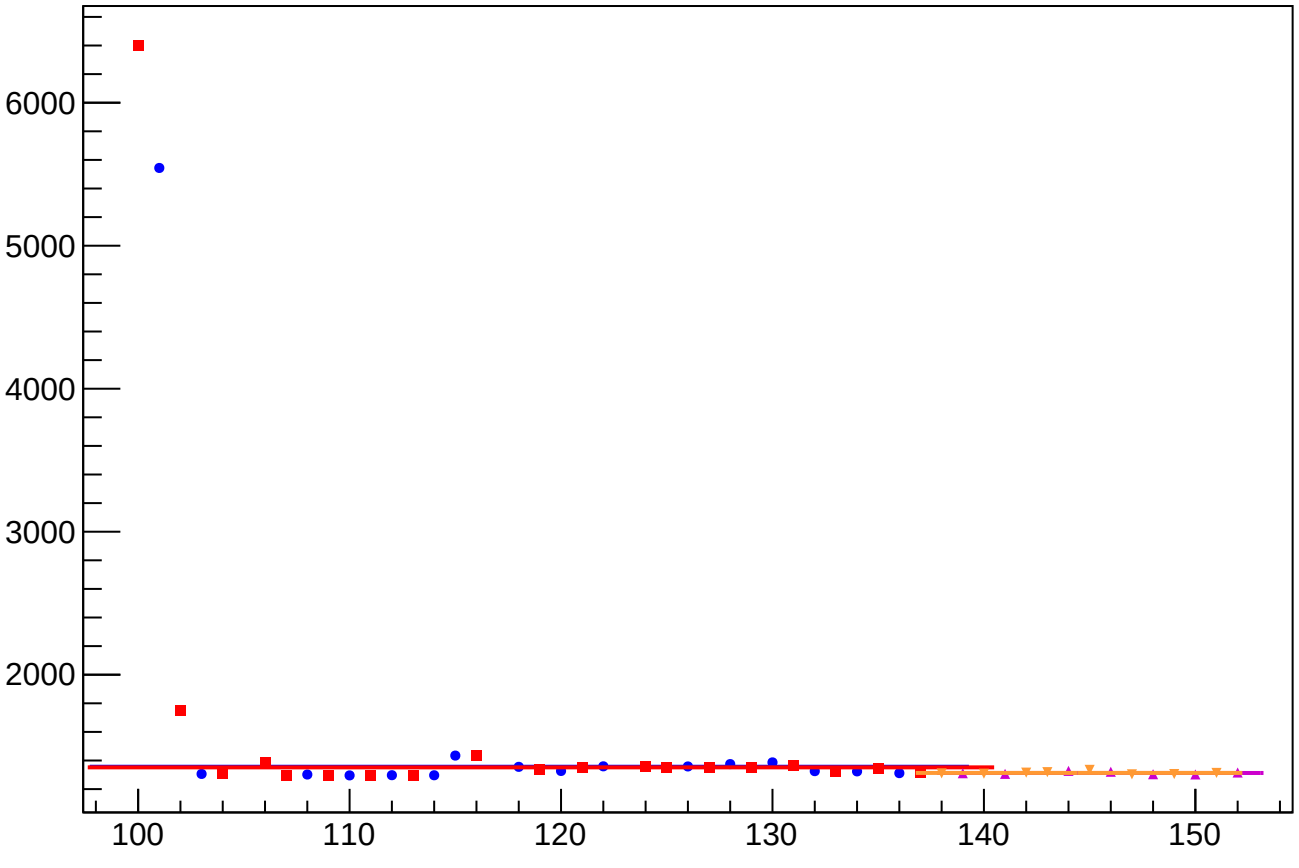
Left: -194.563+/-373.755 χ^2/NDF: 14.0/14

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -43.854+/-370.319 χ^2/NDF:32.9/22

Out: -11.342+/-363.851 χ^2/NDF:13.4/26

All: -27.311+/-259.538 χ^2/NDF: 46.4/49



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: 1312.823+/-0.375 χ^2/NDF:537.3/6

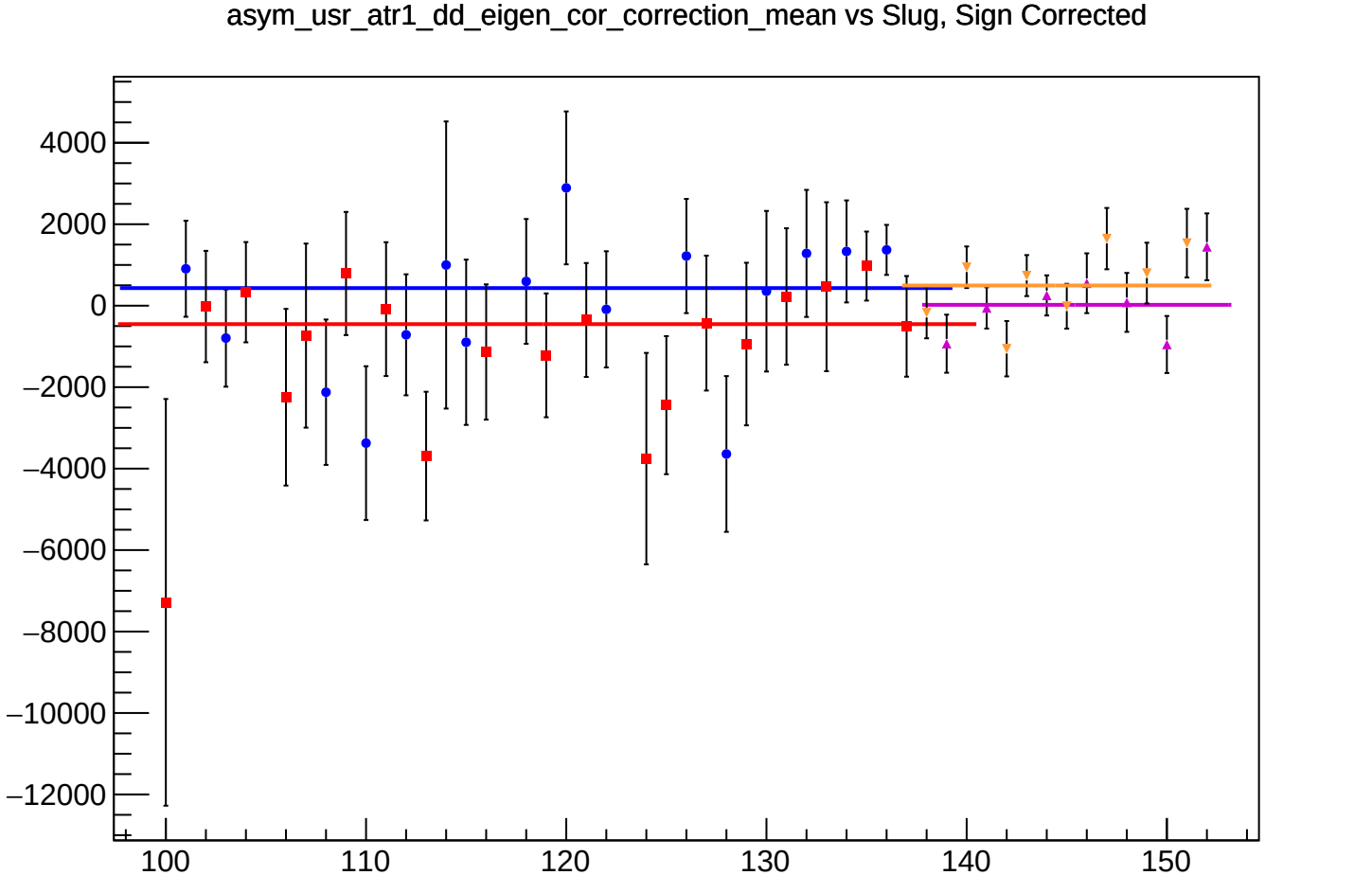
Left: 1313.010+/-0.264 χ^2/NDF: 1177.7/14

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1335.111+/-0.262 χ^2/NDF:767721.8/22

Out: 1333.568+/-0.257 χ^2/NDF:153664.7/26

All: 1334.326+/-0.184 χ^2/NDF: 921404.2/49



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: 20.986+/-240.603 χ^2/NDF:7.5/6

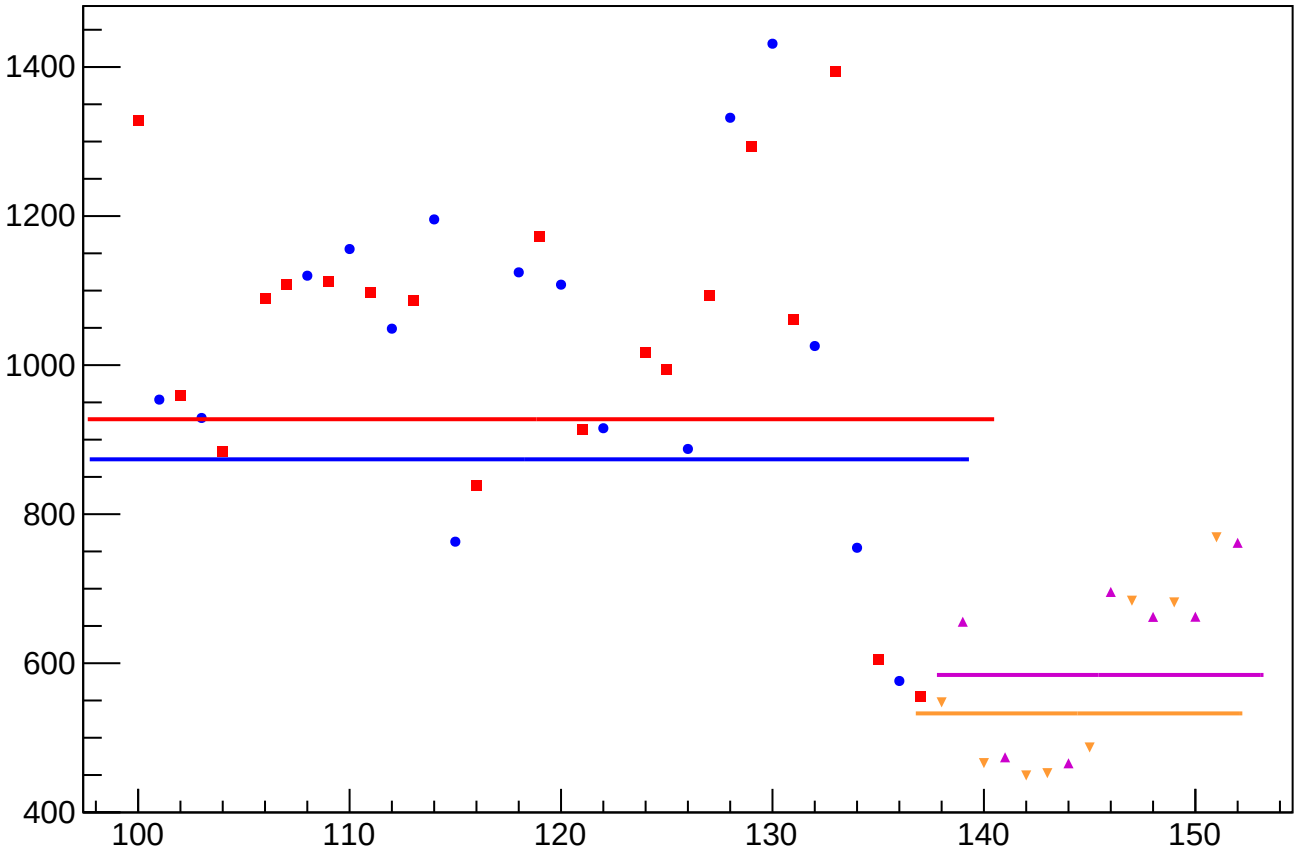
Left: 279.879+/-162.180 χ^2/NDF: 21.9/14

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 159.039+/-196.091 χ^2/NDF:26.7/22

Out: 233.675+/-186.816 χ^2/NDF:32.1/26

All: 198.164+/-135.259 χ^2/NDF: 58.9/49



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: 584.281+/-0.170 χ^2/NDF:418458.9/6

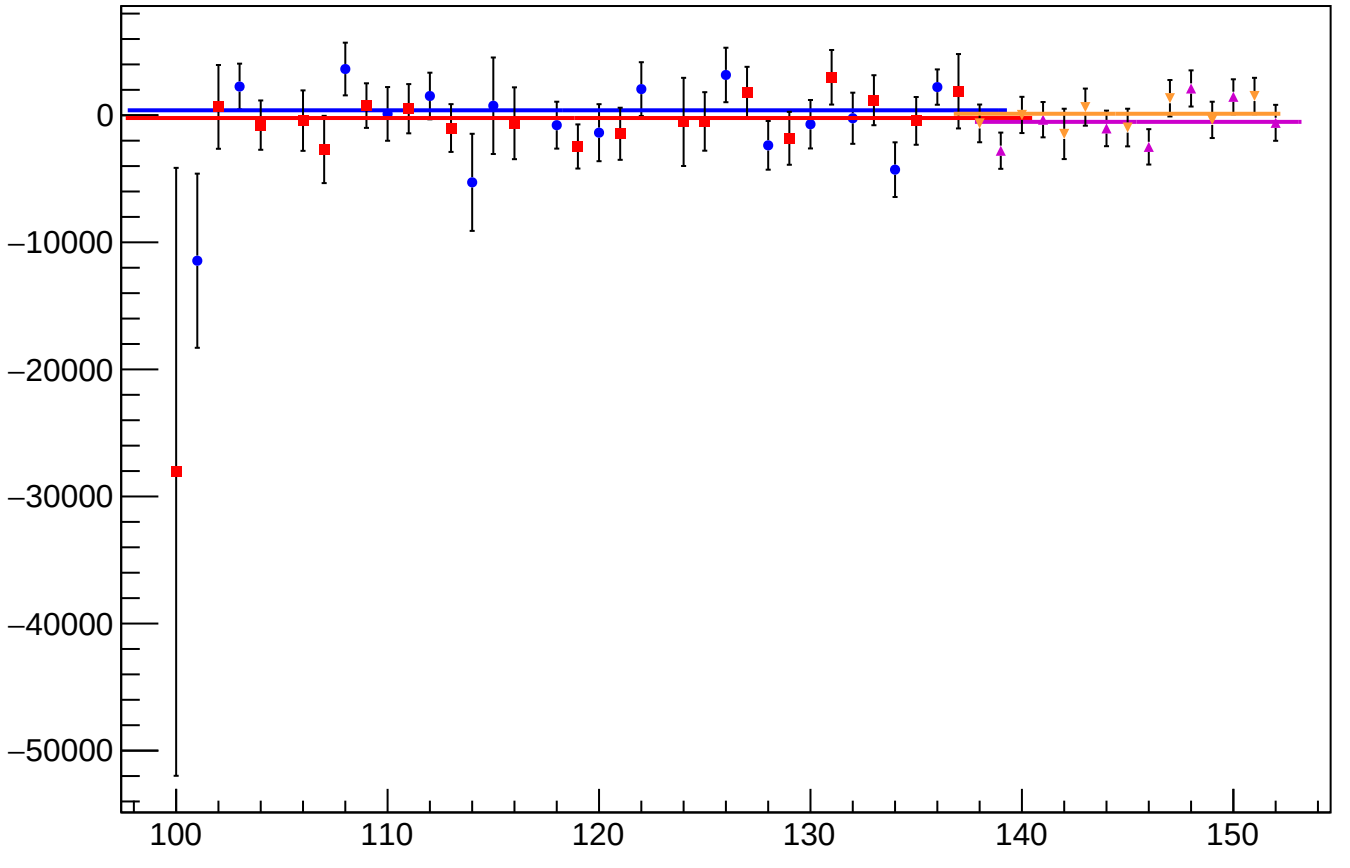
Left: 556.117+/-0.115 χ^2/NDF: 916057.0/14

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 681.429+/-0.139 χ^2/NDF:2403935.9/22

Out: 641.613+/-0.132 χ^2/NDF:3079086.1/26

All: 660.557+/-0.096 χ^2/NDF: 5526246.7/49



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: -520.651+/-530.187 χ^2/NDF:10.2/6

Left: -200.169+/-374.004 χ^2/NDF: 14.3/14

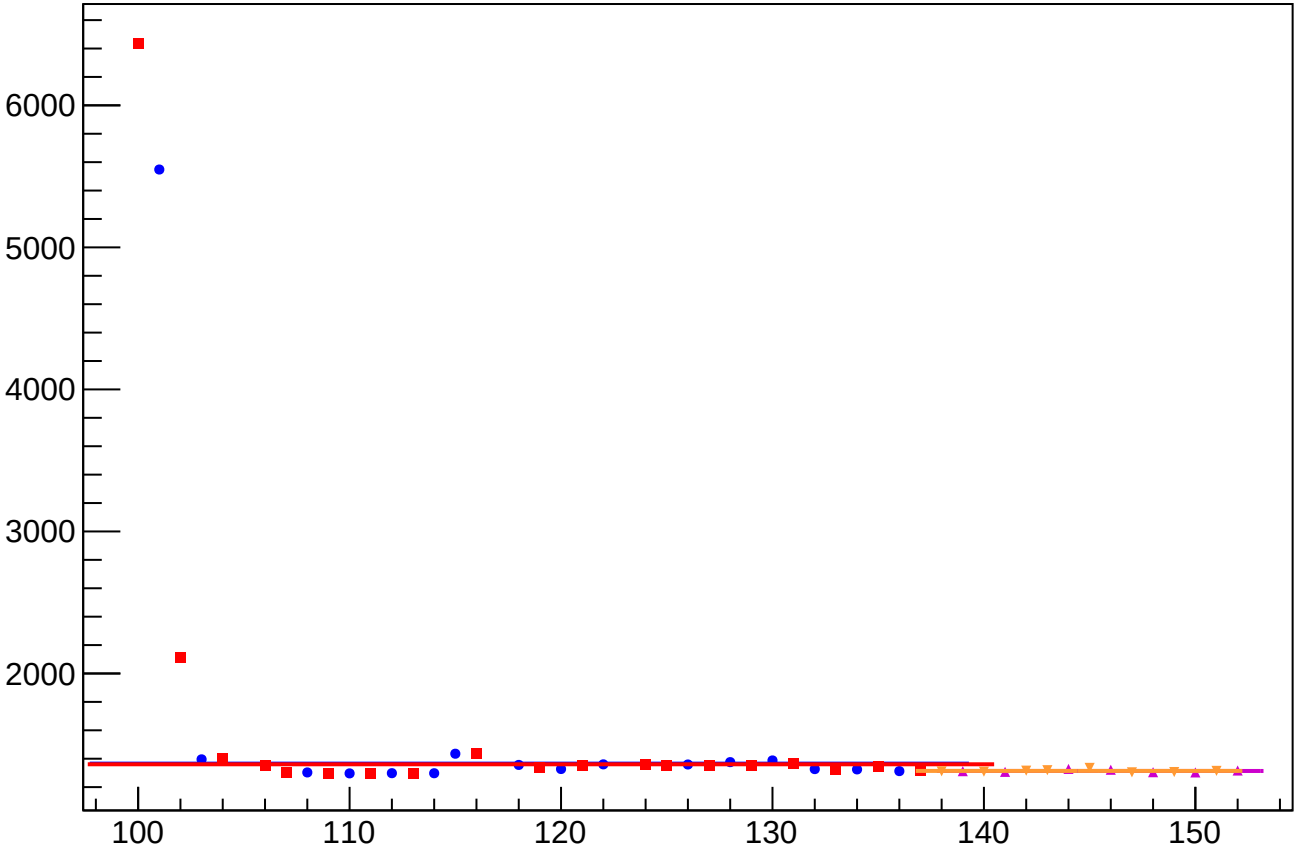
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: -57.532+/-371.666 χ^2/NDF:33.0/22

Out: -56.847+/-365.938 χ^2/NDF:13.6/26

All: -57.184+/-260.759 χ^2/NDF: 46.6/49

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: 1313.679+/-0.375 χ^2/NDF:531.0/6

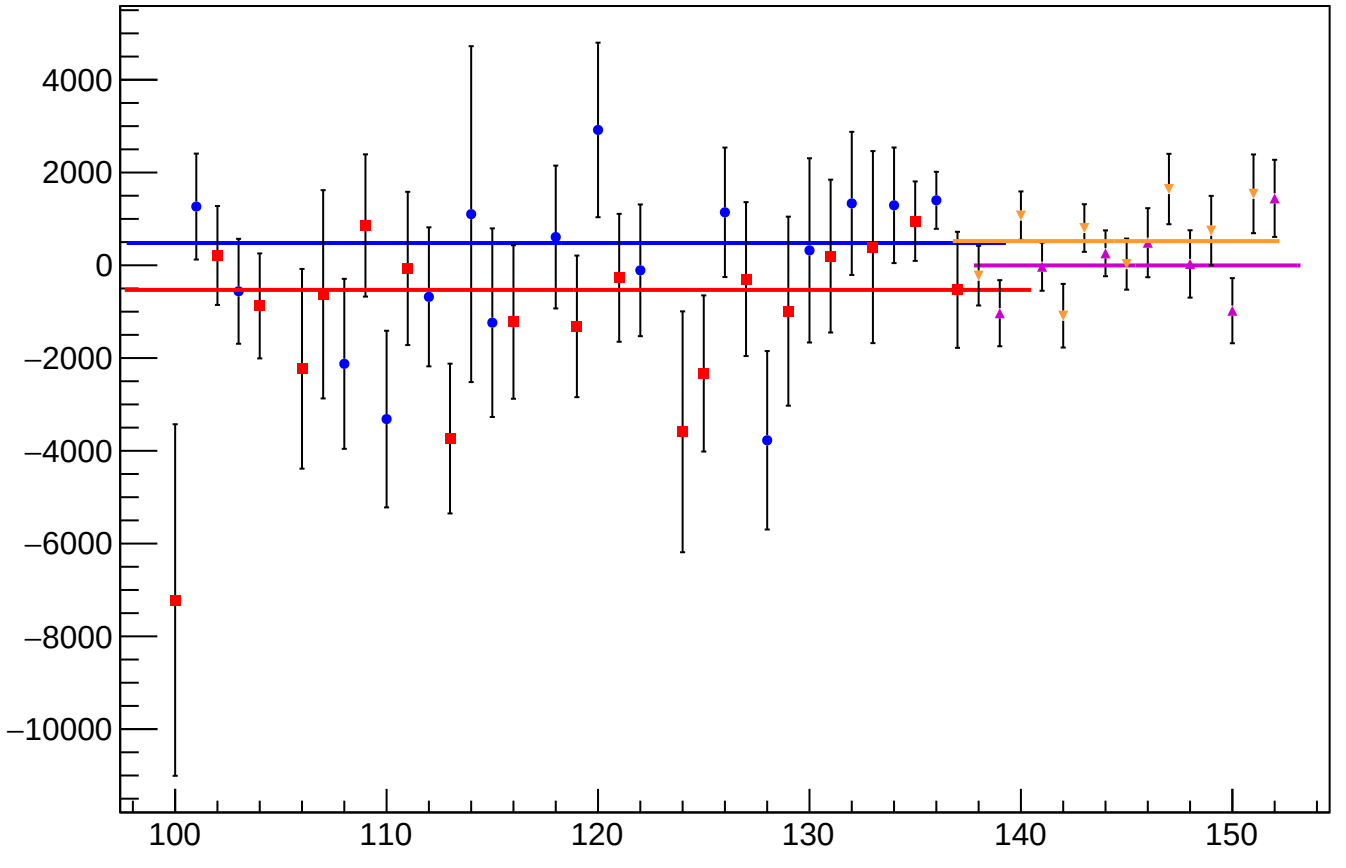
Left: 1313.884+/-0.264 χ^2/NDF: 1162.0/14

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1339.934+/-0.263 χ^2/NDF:769118.8/22

Out: 1338.318+/-0.259 χ^2/NDF:214071.5/26

All: 1339.113+/-0.184 χ^2/NDF: 983209.5/49



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: -3.235+/-242.835 χ^2/NDF:7.8/6

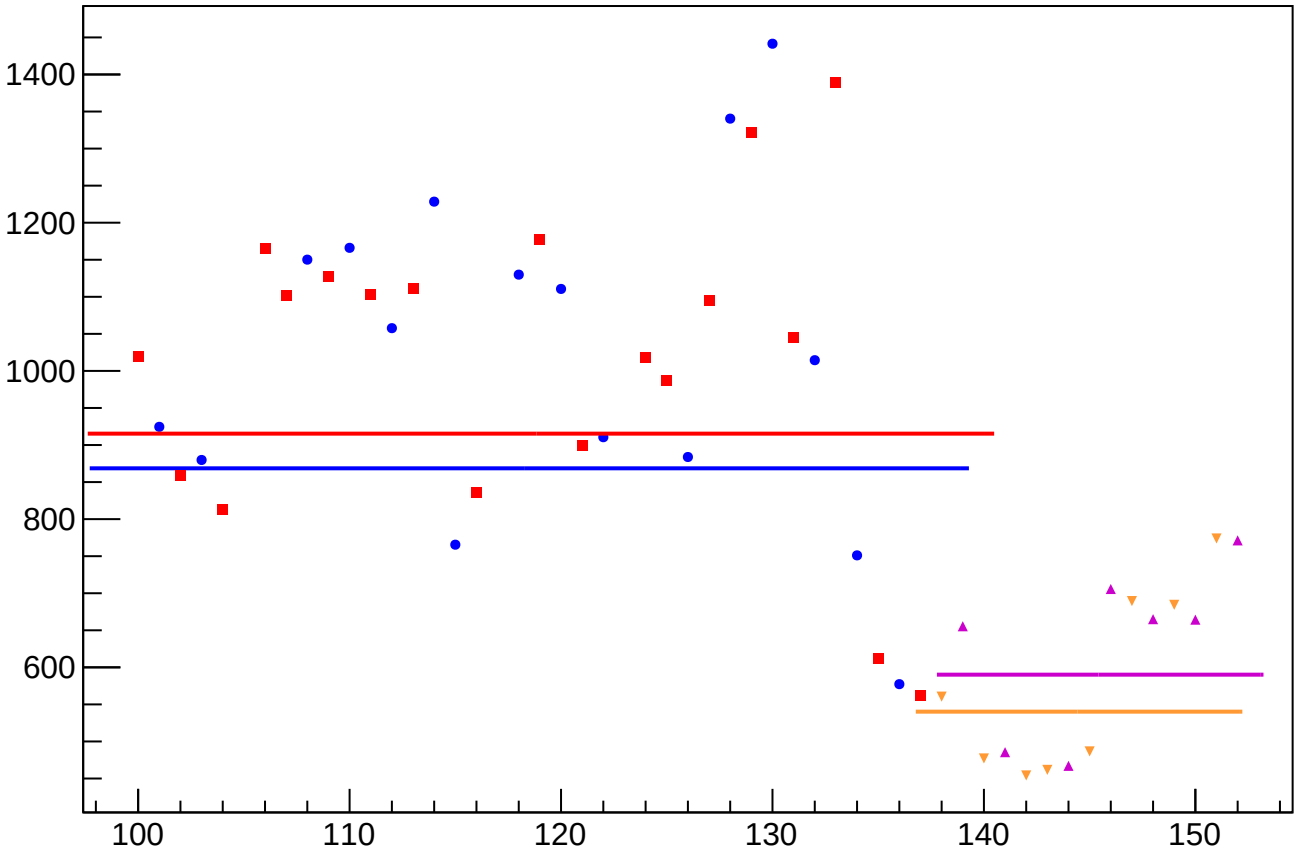
Left: 282.165+/-164.030 χ^2/NDF: 23.1/14

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 162.369+/-196.919 χ^2/NDF:27.7/22

Out: 214.070+/-187.131 χ^2/NDF:34.9/26

All: 189.537+/-135.650 χ^2/NDF: 62.7/49



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: 590.126+/-0.172 χ^2/NDF:408914.6/6

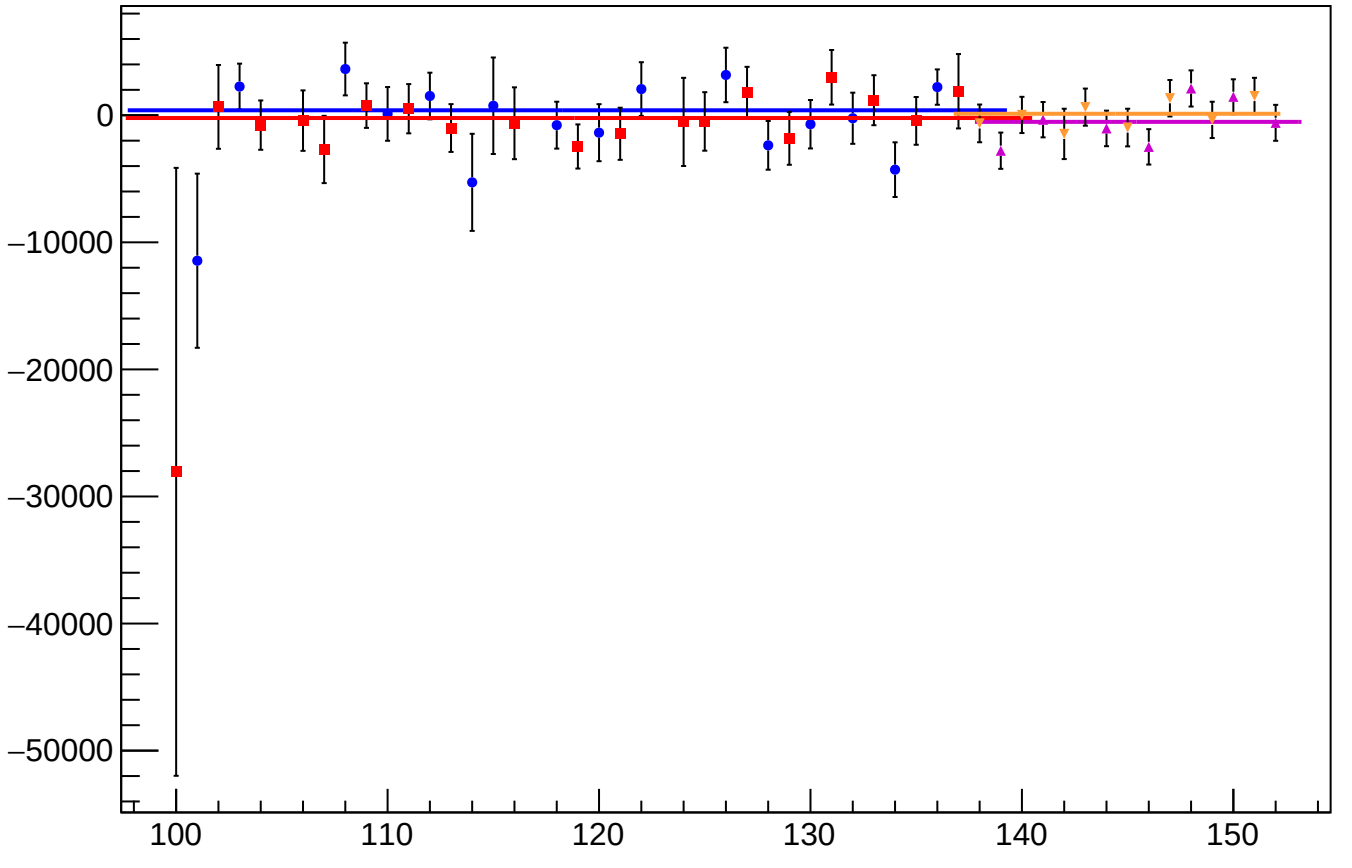
Left: 562.990+/-0.116 χ^2/NDF: 886373.2/14

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 685.470+/-0.139 χ^2/NDF:2330662.6/22

Out: 649.884+/-0.132 χ^2/NDF:2953215.7/26

All: 666.771+/-0.096 χ^2/NDF: 5318200.1/49



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: -520.650+/-530.187 χ^2/NDF:10.2/6

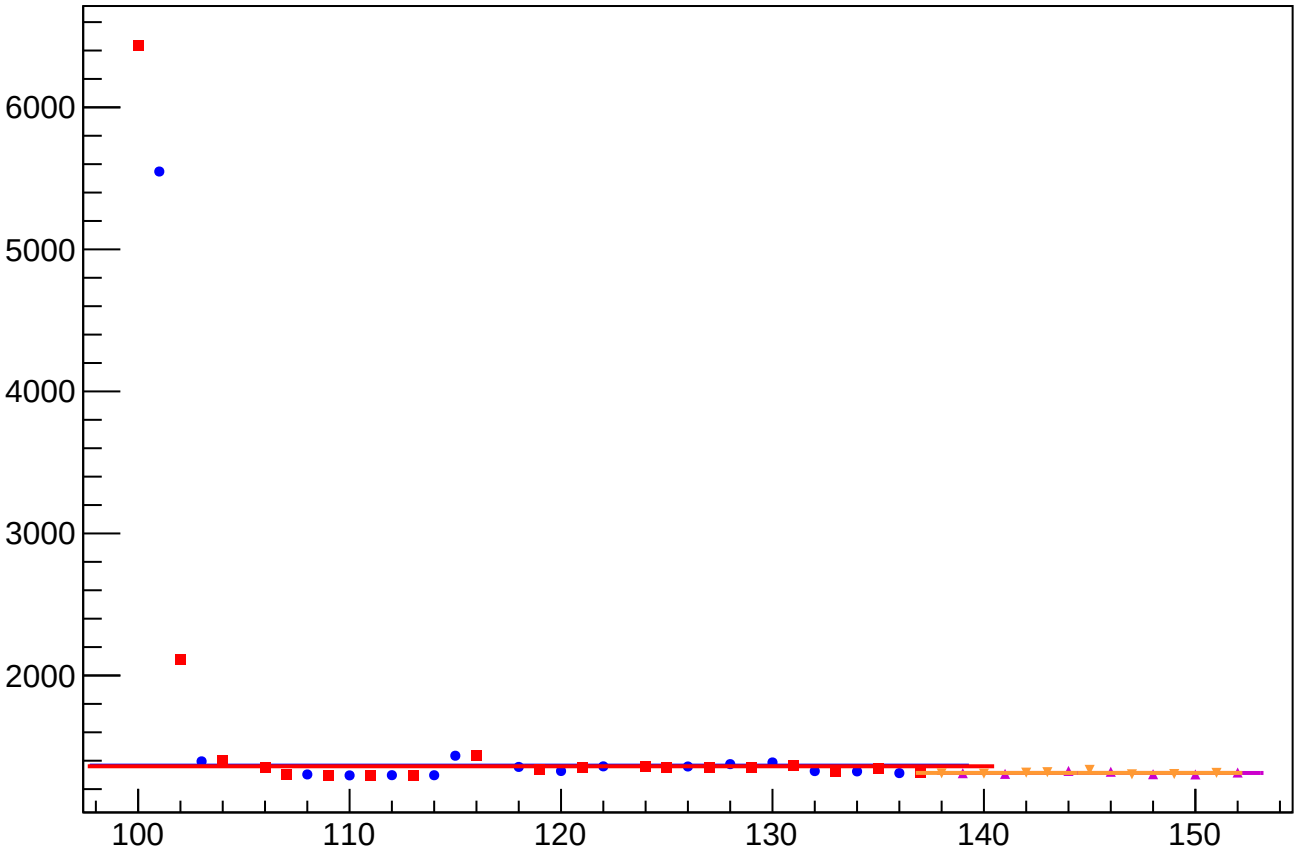
Left: -200.169+/-374.004 χ^2/NDF: 14.3/14

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -57.532+/-371.666 χ^2/NDF:33.0/22

Out: -56.846+/-365.938 χ^2/NDF:13.6/26

All: -57.184+/-260.759 χ^2/NDF: 46.6/49



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: 1313.679+/-0.375 χ^2/NDF:531.0/6

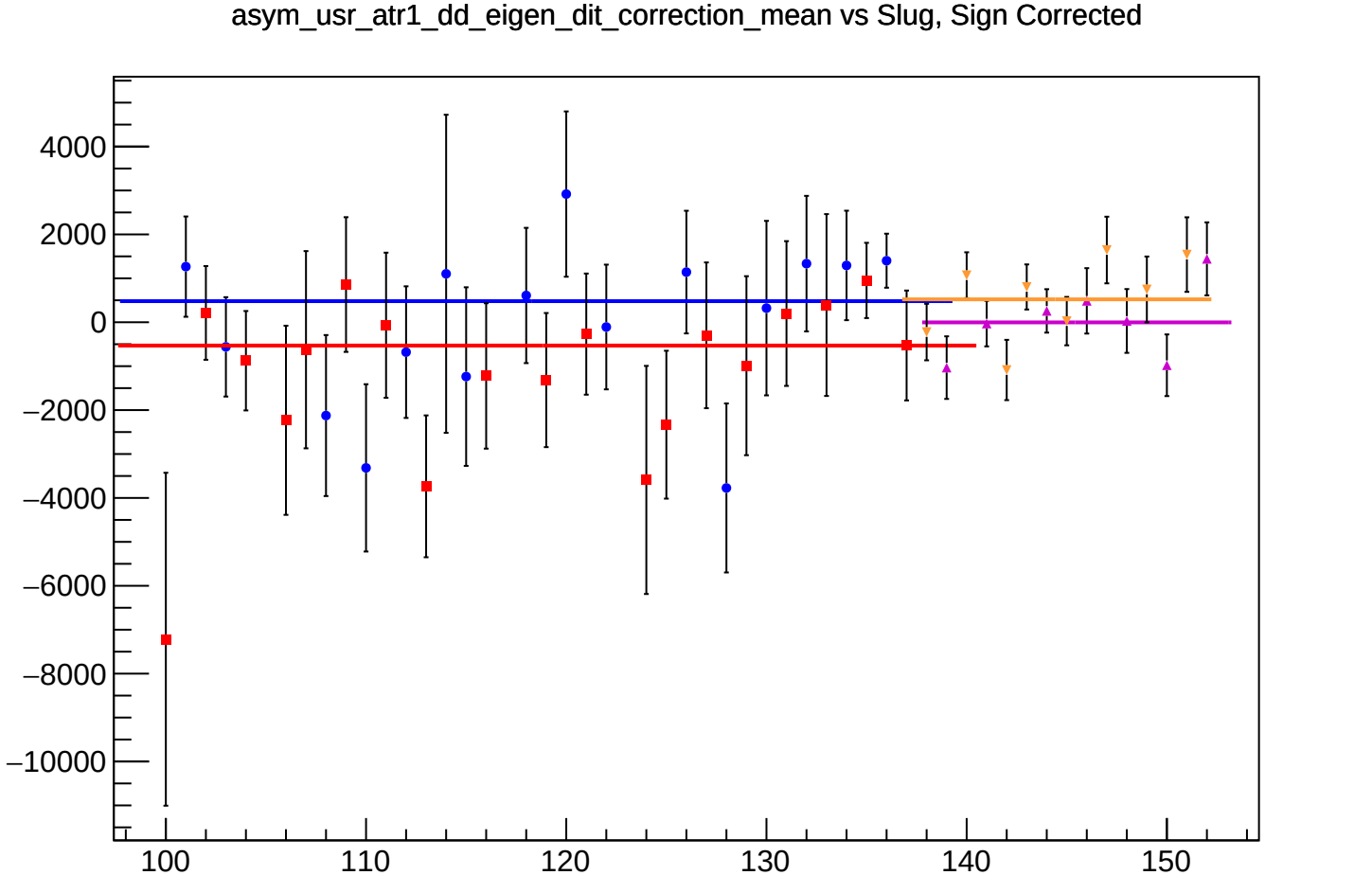
Left: 1313.884+/-0.264 χ^2/NDF: 1162.0/14

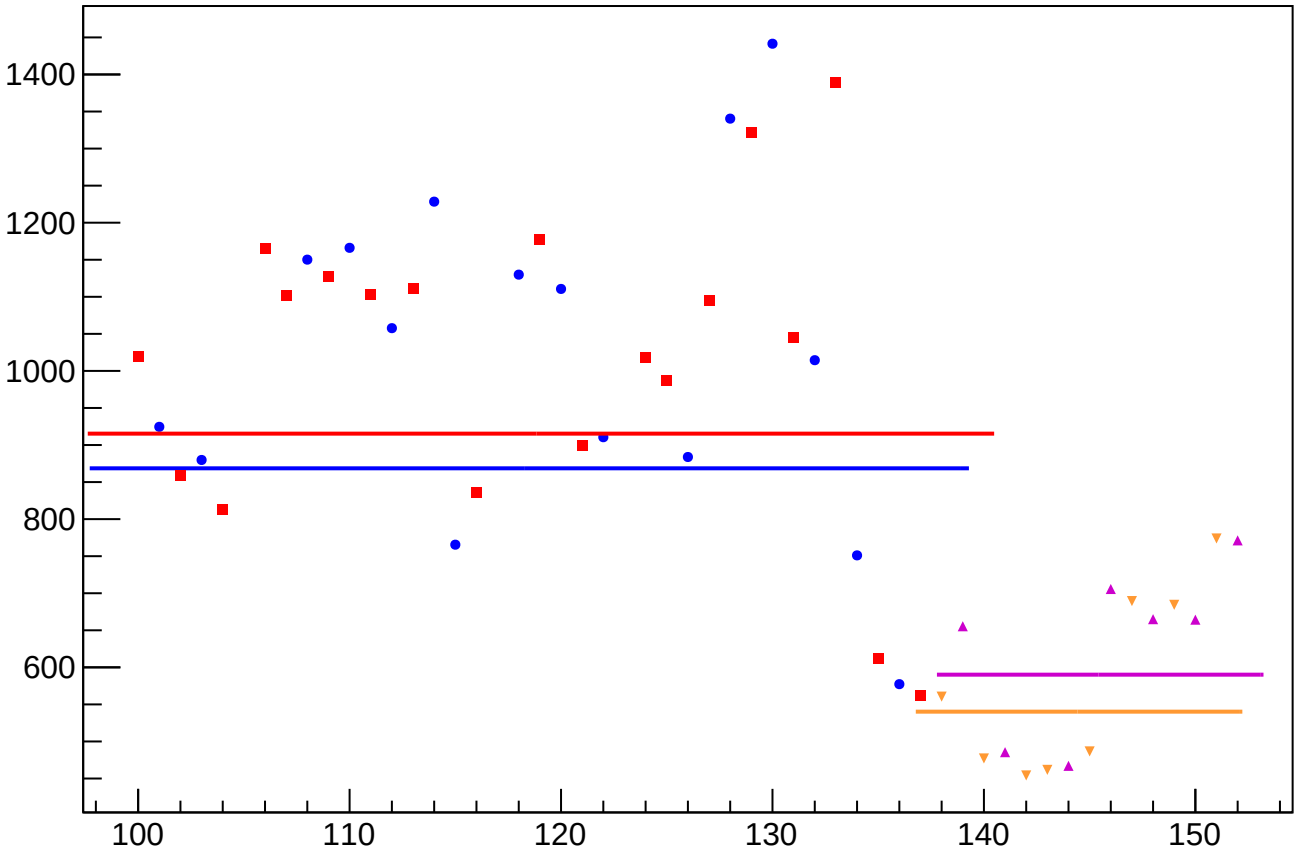
Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1339.934+/-0.263 χ^2/NDF:769118.8/22

Out: 1338.318+/-0.259 χ^2/NDF:214071.4/26

All: 1339.113+/-0.184 χ^2/NDF: 983209.4/49


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: -3.235+/-242.835 χ²/NDF:7.8/6
Left: 282.167+/-164.030 χ²/NDF: 23.1/14
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 162.369+/-196.919 χ²/NDF:27.7/22
Out: 214.071+/-187.131 χ²/NDF:34.9/26
All: 189.537+/-135.650 χ²/NDF: 62.7/49



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: 590.127+/-0.172 χ^2/NDF:408916.9/6

Left: 562.990+/-0.116 χ^2/NDF: 886380.8/14

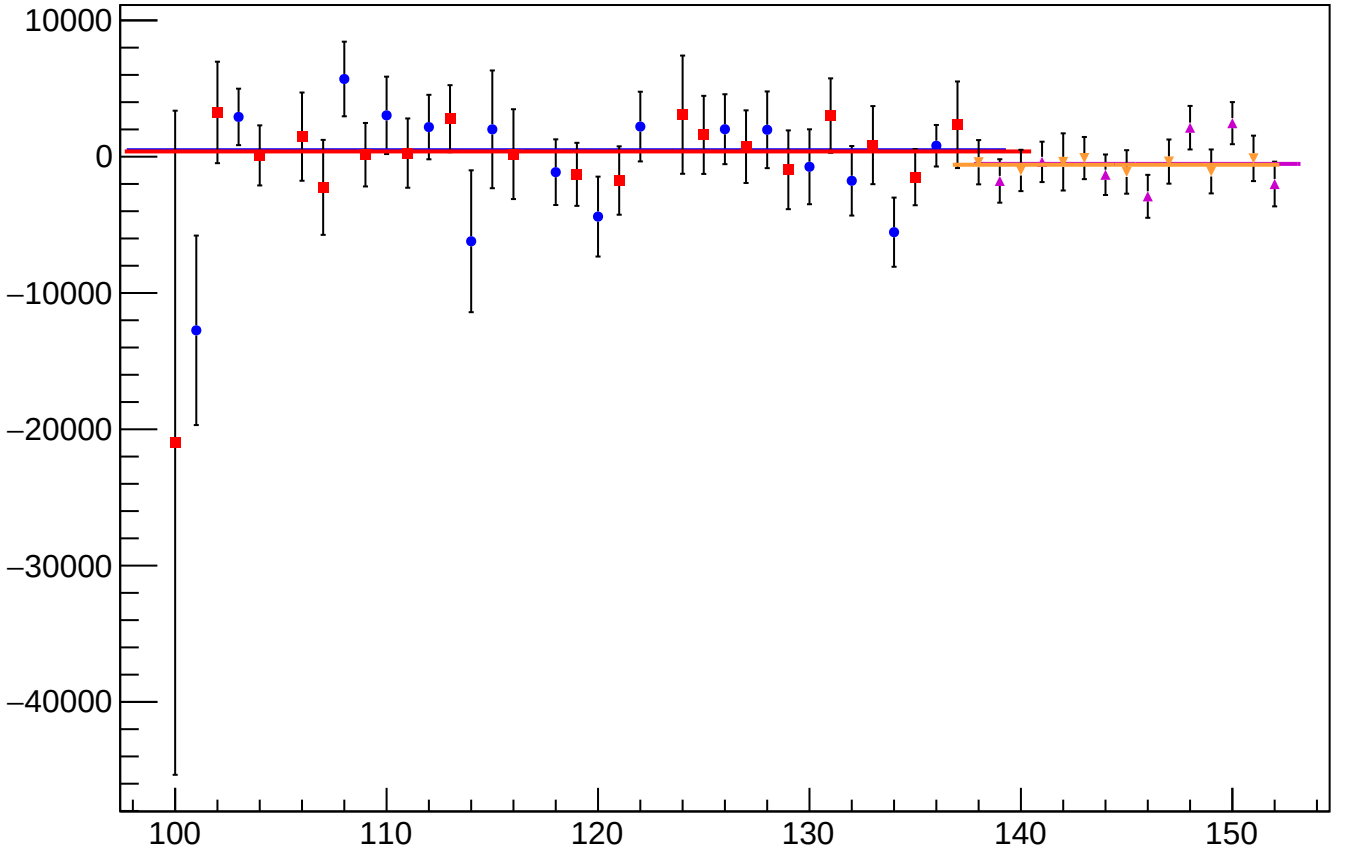
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 685.470+/-0.139 χ^2/NDF:2330647.4/22

Out: 649.883+/-0.132 χ^2/NDF:2953211.7/26

All: 666.770+/-0.096 χ^2/NDF: 5318182.1/49

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: -528.530+/-588.424 χ^2/NDF:10.5/6

Left: -560.107+/-412.904 χ^2/NDF: 11.0/14

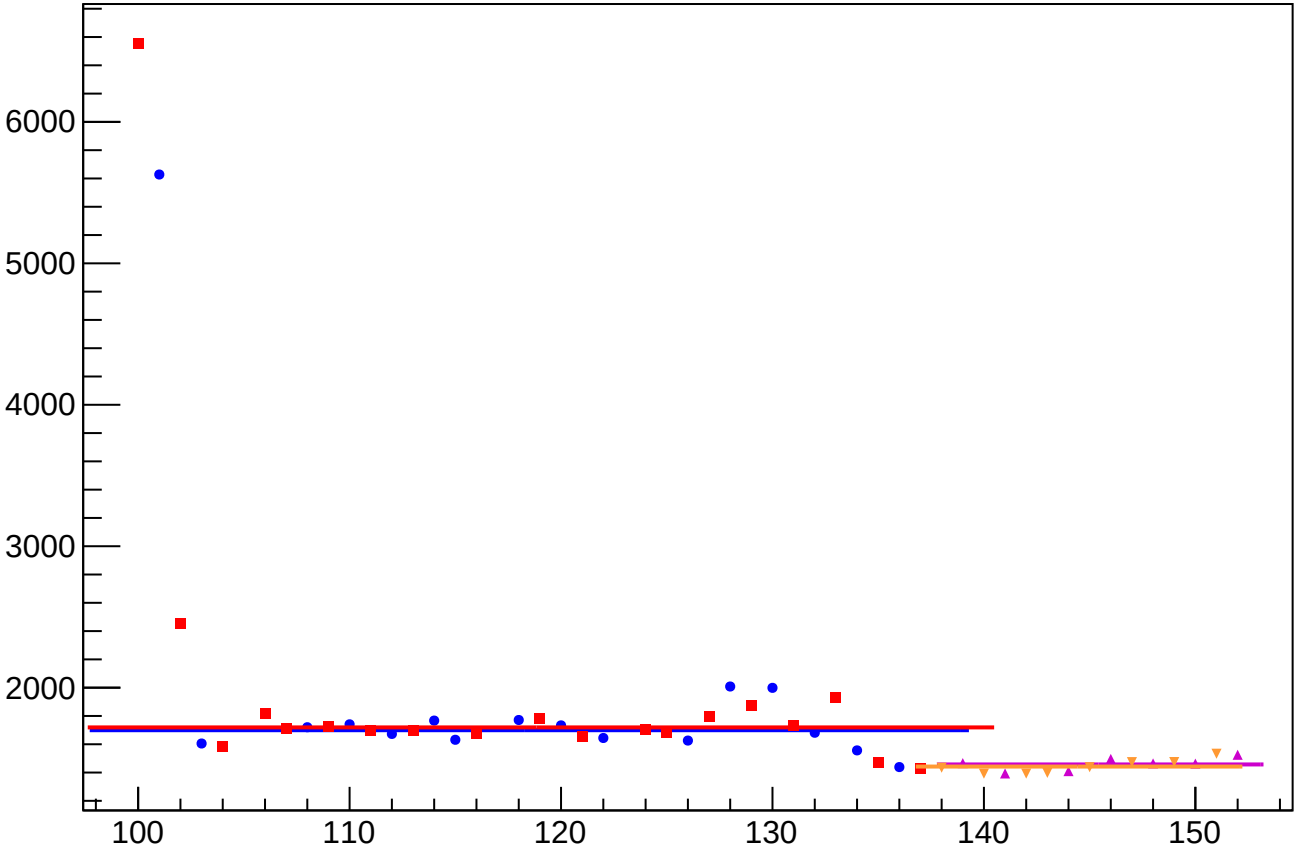
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -76.639+/-435.999 χ^2/NDF:34.5/22

Out: -152.718+/-430.189 χ^2/NDF:9.0/26

All: -115.189+/-306.223 χ^2/NDF: 43.6/49

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: 1457.271+/-0.416 χ^2/NDF:10560.8/6

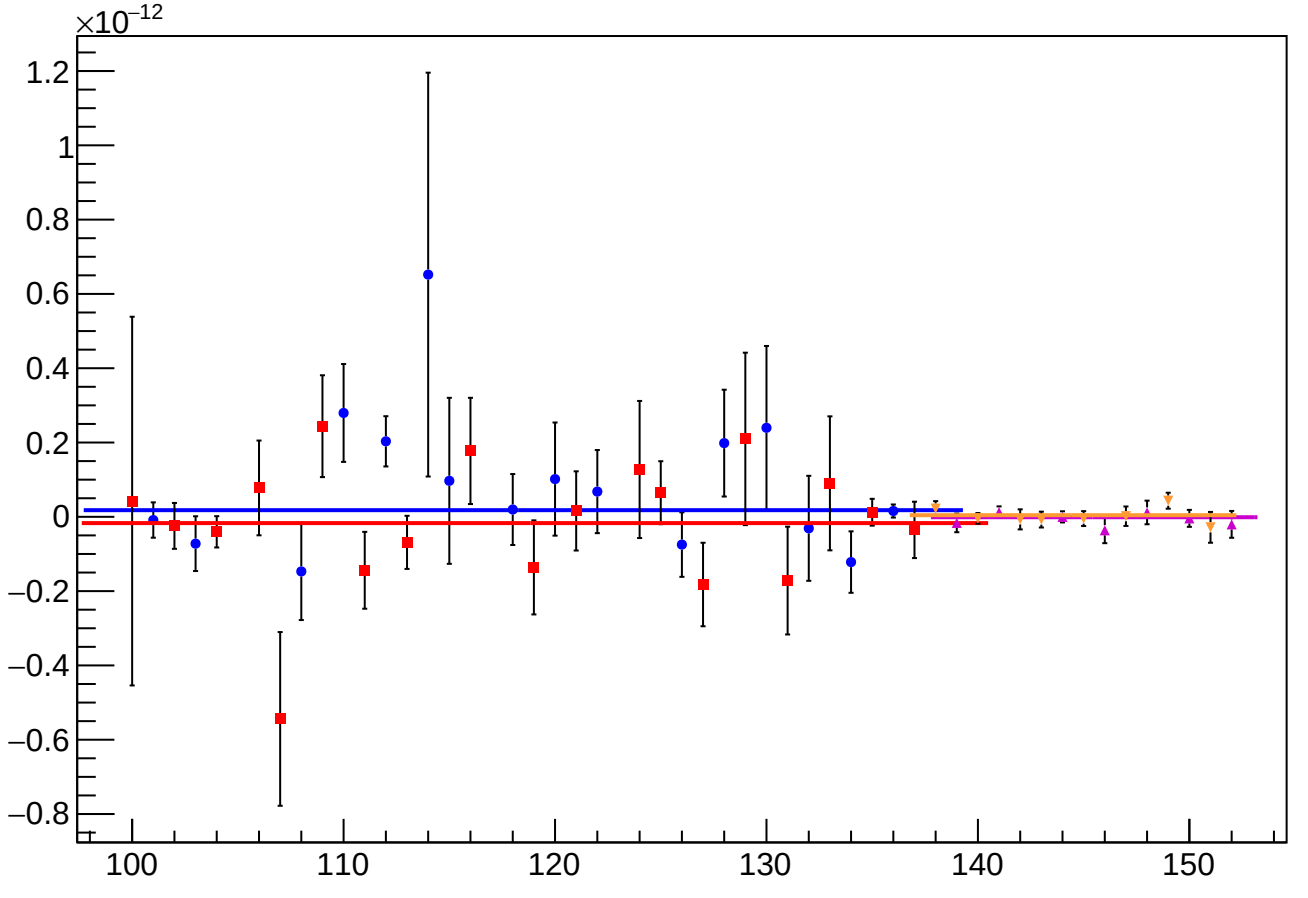
Left: 1449.697+/-0.292 χ^2/NDF: 23671.1/14

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1566.434+/-0.308 χ^2/NDF:925291.1/22

Out: 1566.616+/-0.304 χ^2/NDF:450991.8/26

All: 1566.526+/-0.217 χ^2/NDF: 1376283.2/49



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:2.6/6

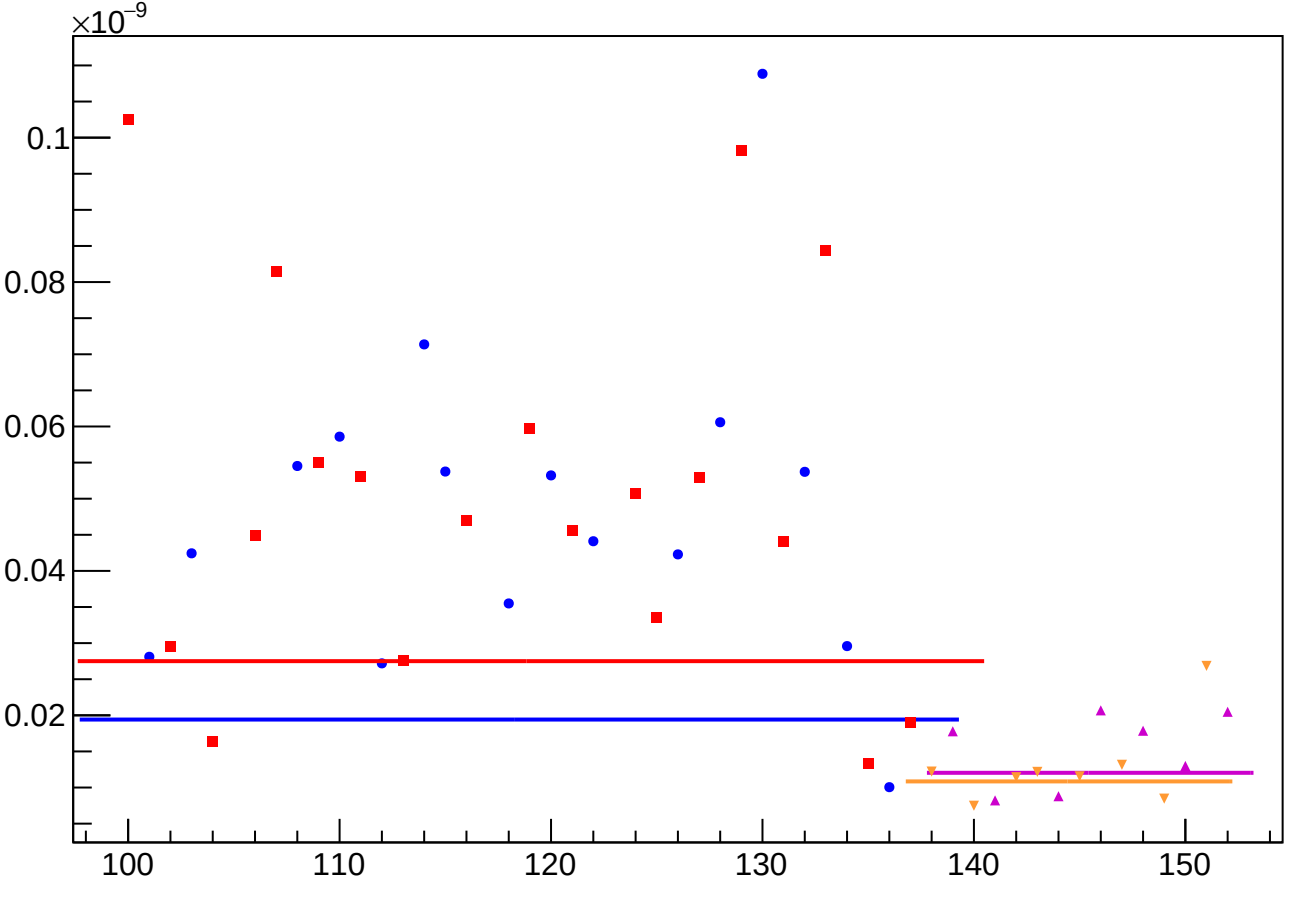
Left: 0.000+/-0.000 χ^2/NDF: 8.6/14

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:27.5/22

Out: 0.000+/-0.000 χ^2/NDF:28.1/26

All: 0.000+/-0.000 χ^2/NDF: 55.7/49



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:624051.9/6

Left: 0.000+/-0.000 χ^2/NDF: 1115175.5/14

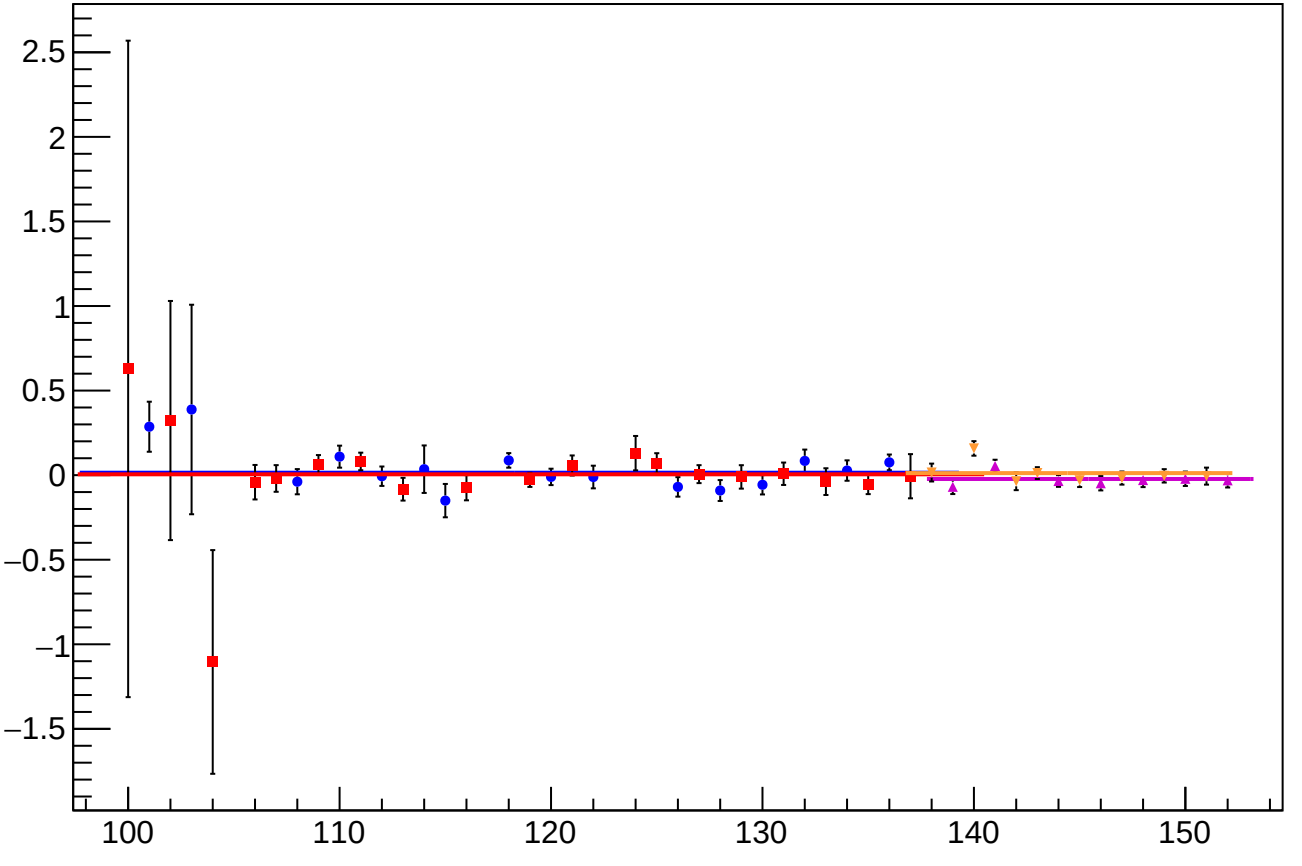
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3294708.0/22

Out: 0.000+/-0.000 χ^2/NDF:3433403.1/26

All: 0.000+/-0.000 χ^2/NDF: 6740090.1/49

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: -0.023+/-0.015 χ^2/NDF:6.0/6

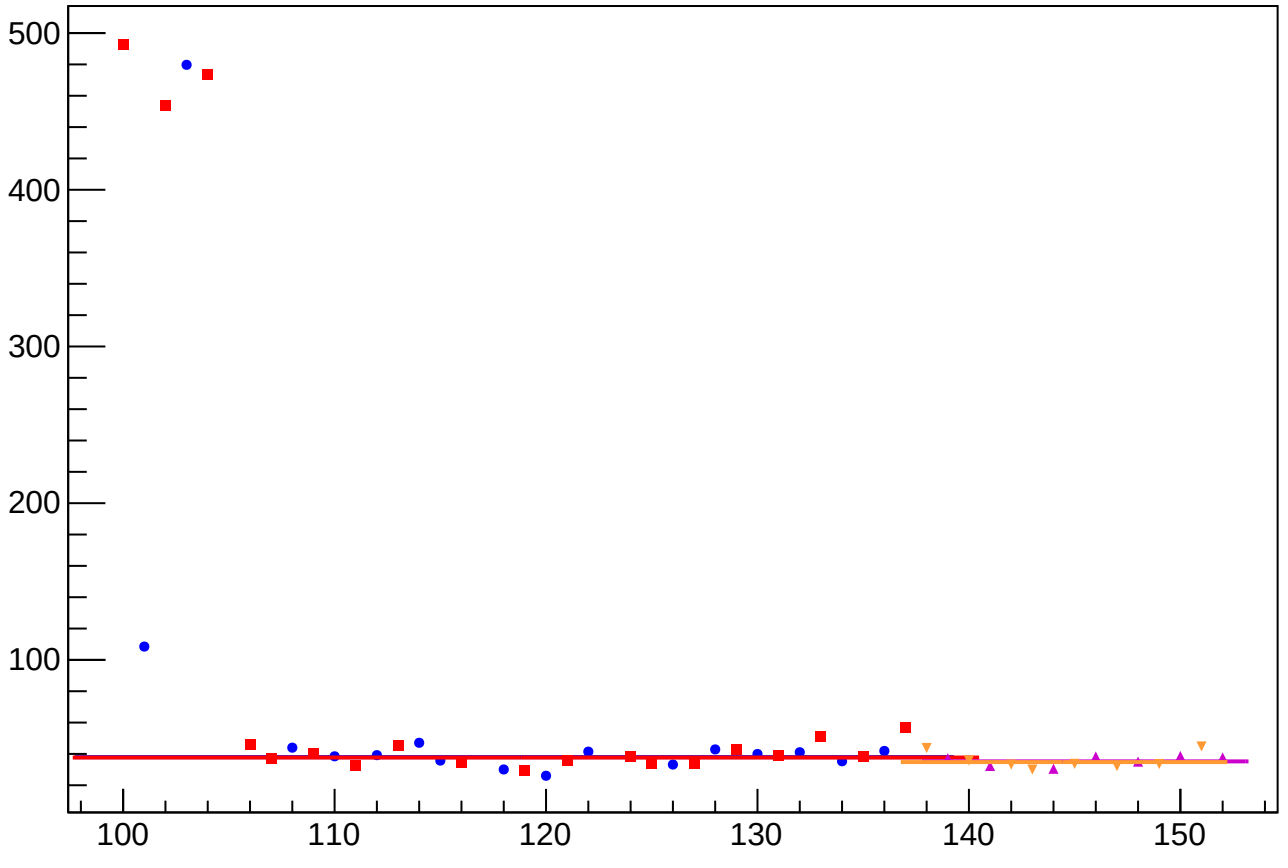
Left: -0.005+/-0.011 χ^2/NDF: 23.0/14

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.005+/-0.011 χ^2/NDF:30.9/22

Out: 0.009+/-0.011 χ^2/NDF:29.3/26

All: 0.002+/-0.008 χ^2/NDF: 61.0/49



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: 35.227+/-0.011 χ^2/NDF:85148.3/6

Left: 35.010+/-0.008 χ^2/NDF: 275266.8/14

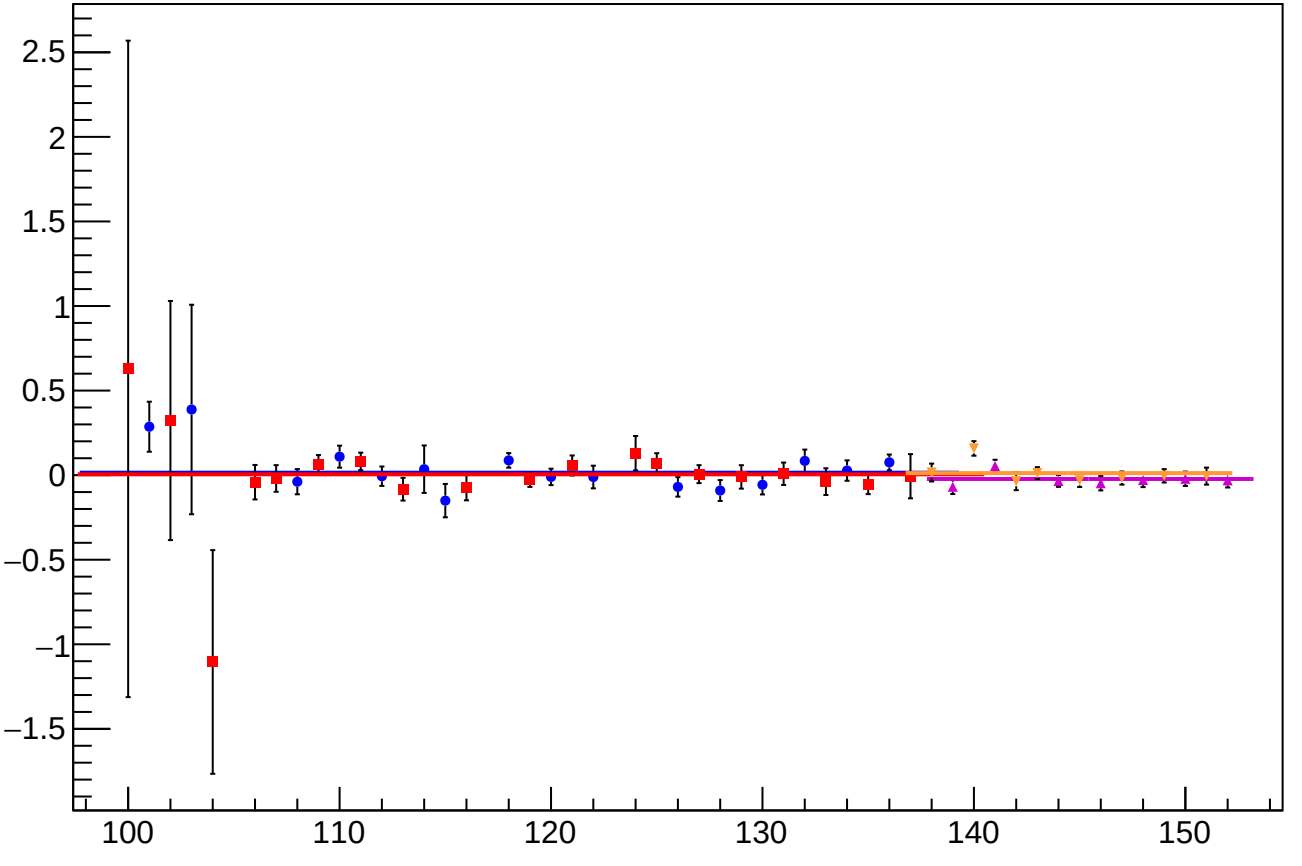
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.519+/-0.008 χ^2/NDF:1855274.0/22

Out: 36.155+/-0.008 χ^2/NDF:2168891.6/26

All: 36.337+/-0.005 χ^2/NDF: 4025261.4/49

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.012+/-0.015 χ^2/NDF:14.3/7

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.023+/-0.015 χ^2/NDF:6.0/6

Left: -0.005+/-0.011 χ^2/NDF: 23.0/14

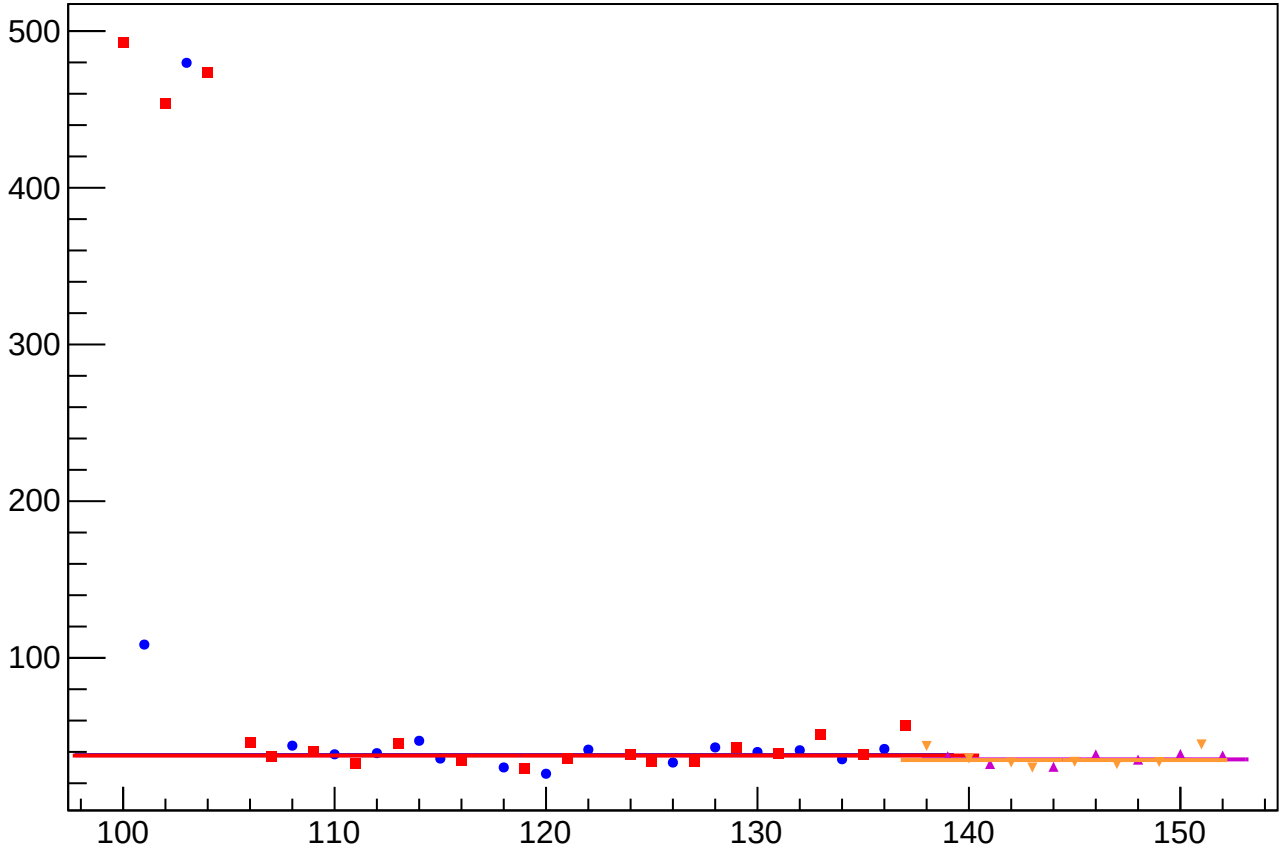
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.005+/-0.011 χ^2/NDF:30.9/22

Out: 0.009+/-0.011 χ^2/NDF:29.3/26

All: 0.002+/-0.008 χ^2/NDF: 61.0/49

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: 35.227+/-0.011 χ^2/NDF:85148.3/6

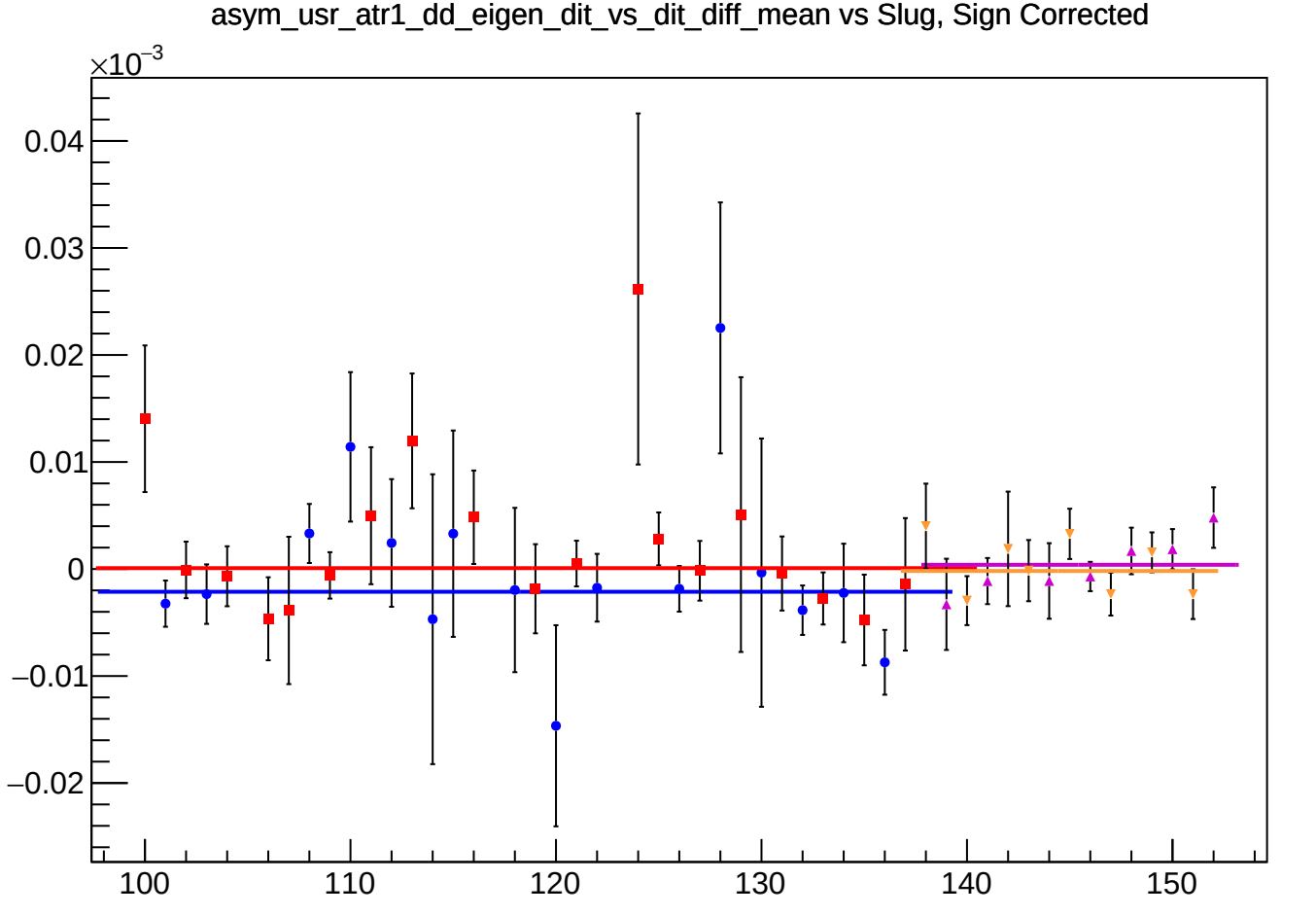
Left: 35.010+/-0.008 χ^2/NDF: 275266.8/14

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.519+/-0.008 χ^2/NDF:1855274.0/22

Out: 36.155+/-0.008 χ^2/NDF:2168891.6/26

All: 36.337+/-0.005 χ^2/NDF: 4025261.4/49



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:5.5/6

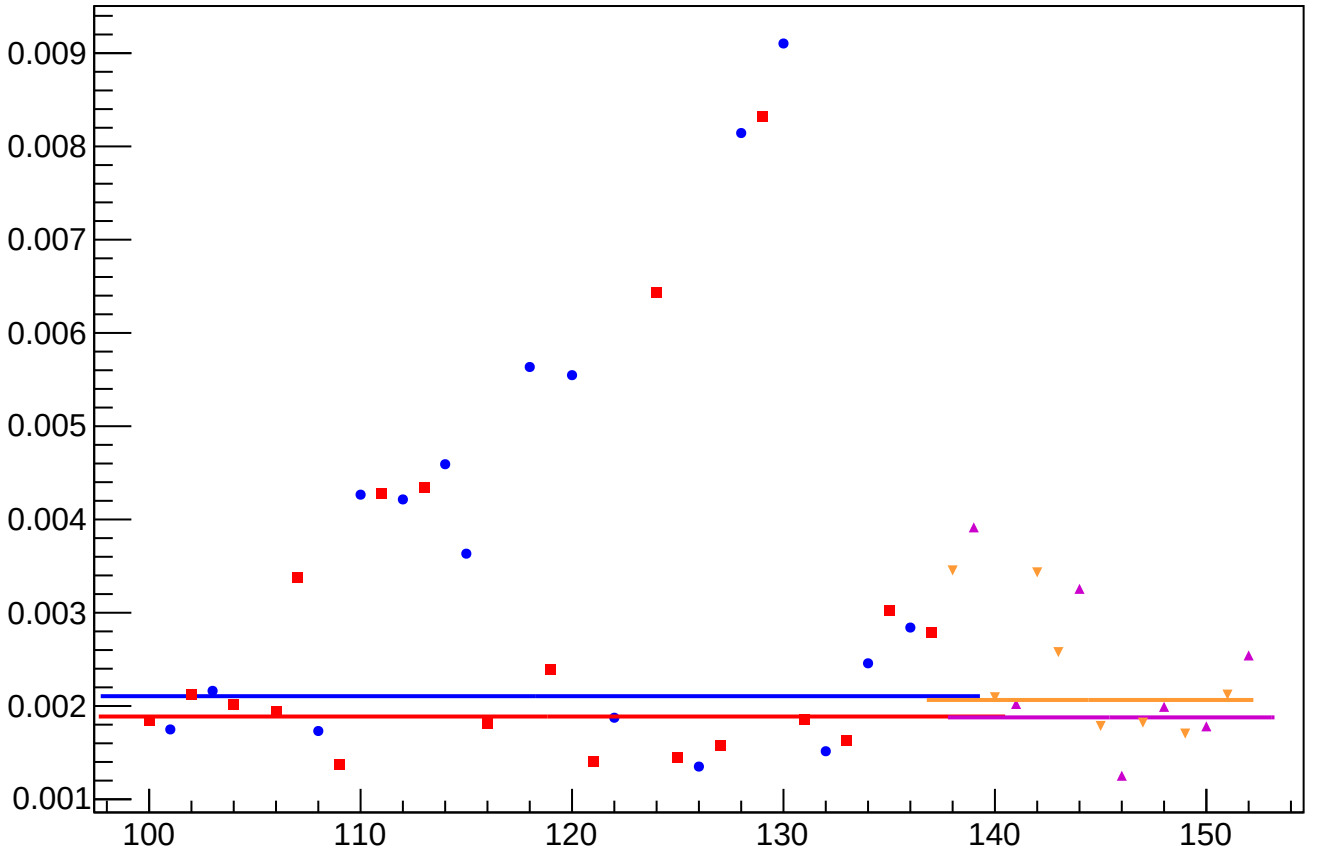
Left: 0.000+/-0.000 χ^2/NDF: 13.5/14

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

In: -0.000+/-0.000 χ^2/NDF:30.2/22

Out: -0.000+/-0.000 χ^2/NDF:26.2/26

All: -0.000+/-0.000 χ^2/NDF: 57.2/49



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:1309689.2/6

Left: 0.002+/-0.000 χ^2/NDF: 1932534.3/14

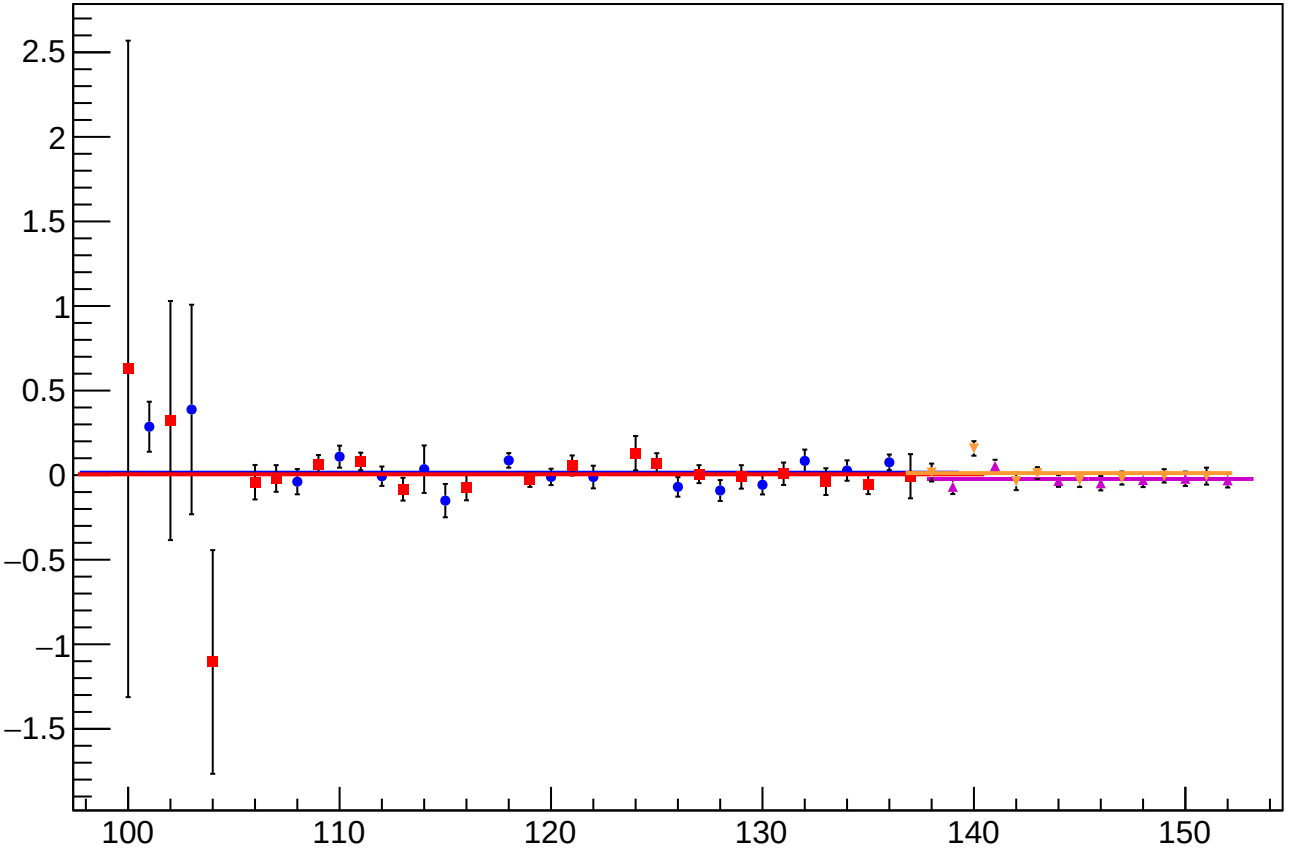
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:4397628.6/22

Out: 0.002+/-0.000 χ^2/NDF:2511485.7/26

All: 0.002+/-0.000 χ^2/NDF: 6909660.5/49

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: -0.023+/-0.015 χ^2/NDF:6.0/6

Left: -0.005+/-0.011 χ^2/NDF: 23.0/14

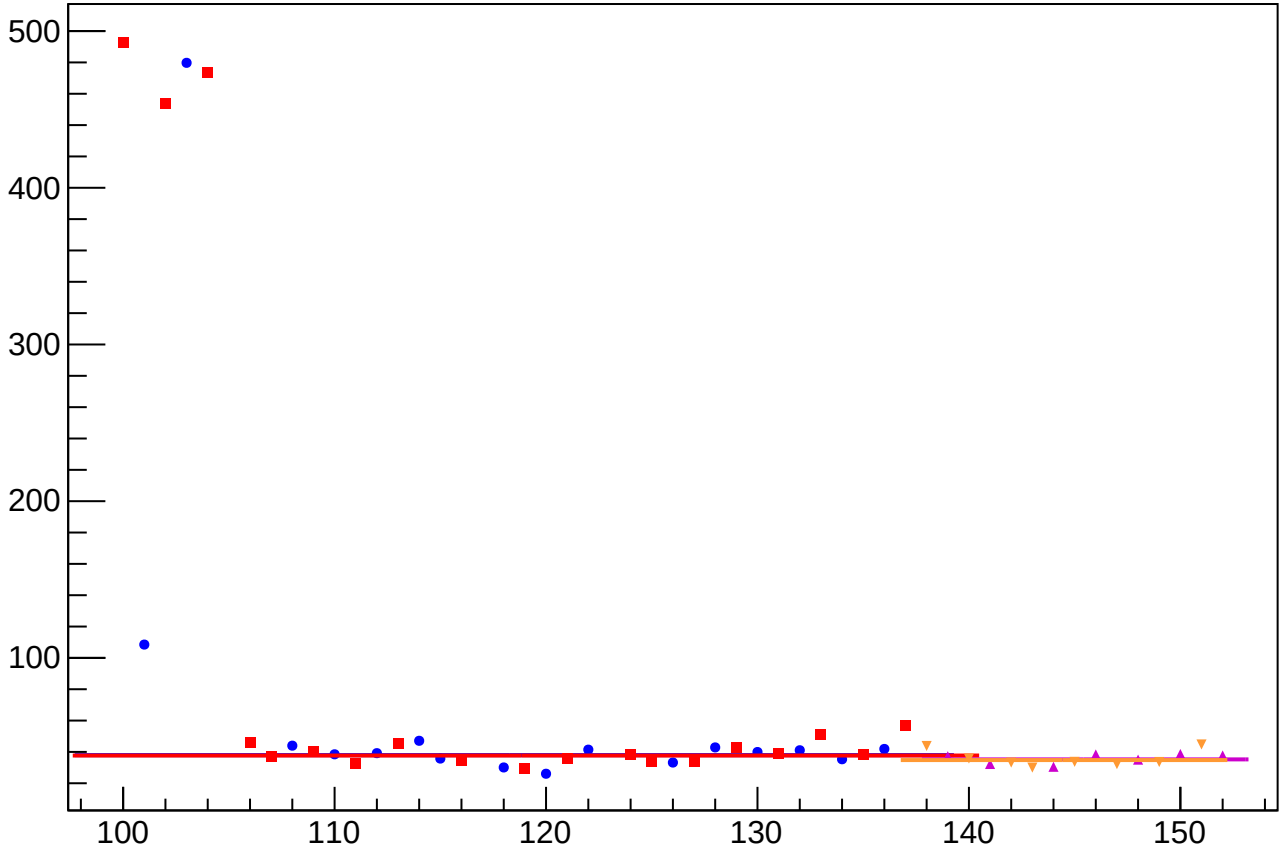
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.005+/-0.011 χ^2/NDF:30.9/22

Out: 0.009+/-0.011 χ^2/NDF:29.3/26

All: 0.002+/-0.008 χ^2/NDF: 61.0/49

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: 35.227+/-0.011 χ^2/NDF:85158.6/6

Left: 35.009+/-0.008 χ^2/NDF: 275311.2/14

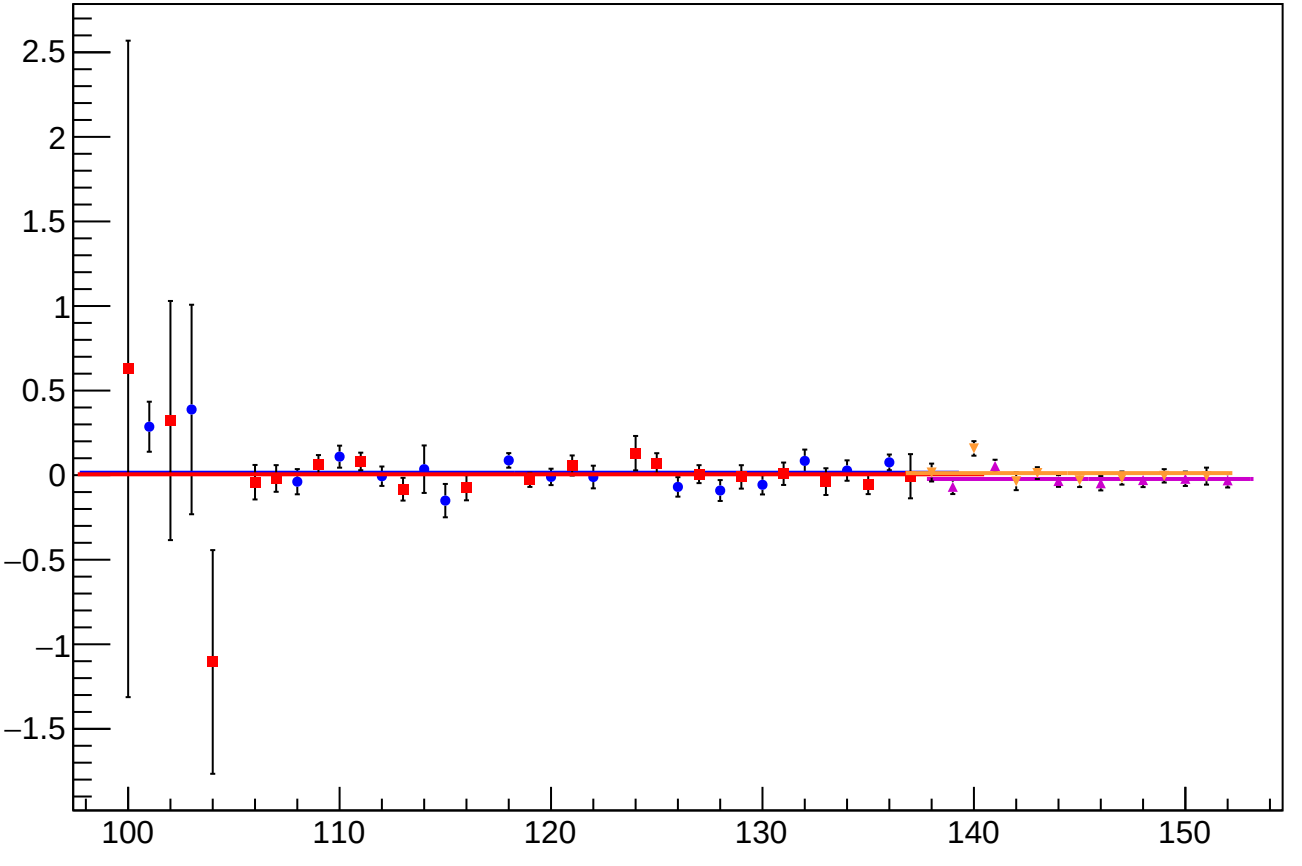
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.518+/-0.008 χ^2/NDF:1855292.8/22

Out: 36.154+/-0.008 χ^2/NDF:2168984.2/26

All: 36.336+/-0.005 χ^2/NDF: 4025374.8/49

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: -0.023+/-0.015 χ^2/NDF:6.0/6

Left: -0.005+/-0.011 χ^2/NDF: 23.0/14

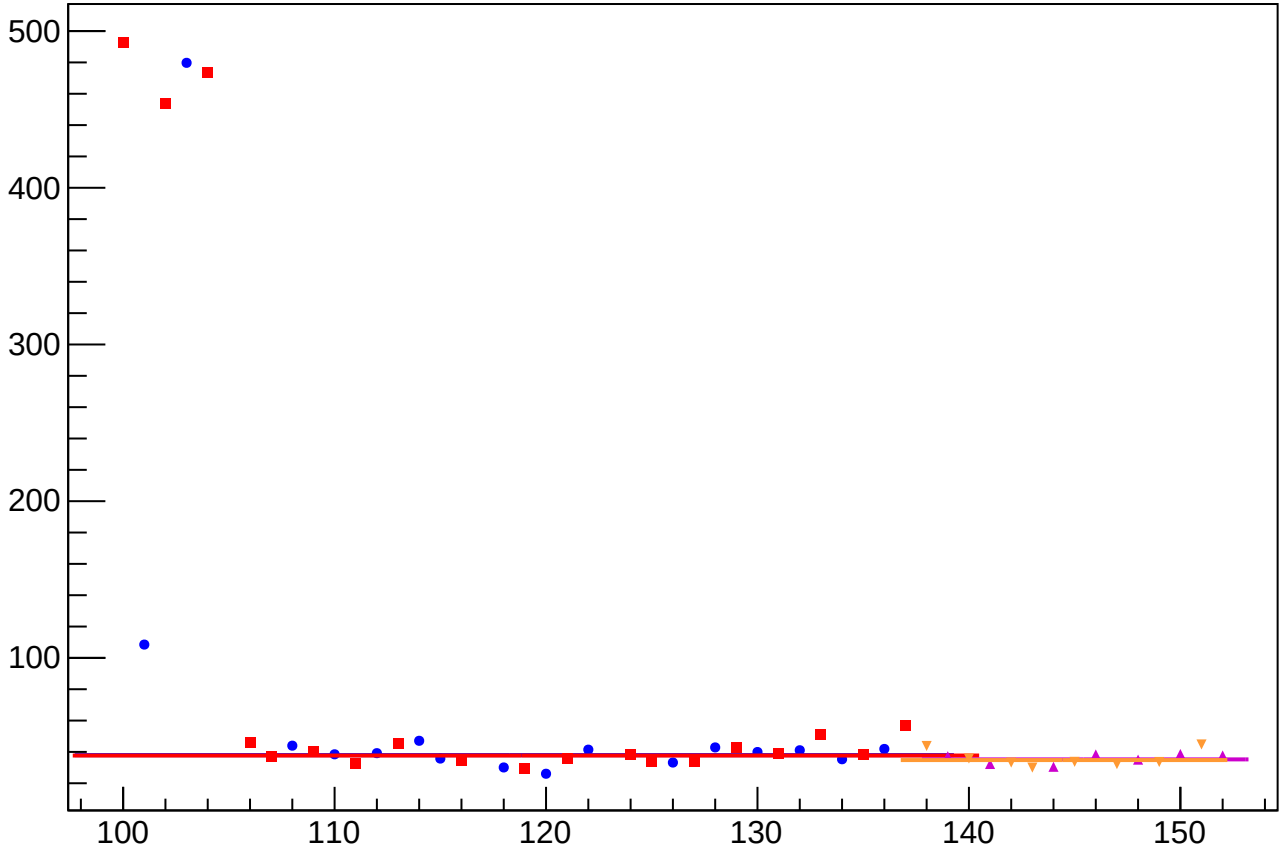
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.005+/-0.011 χ^2/NDF:30.9/22

Out: 0.009+/-0.011 χ^2/NDF:29.3/26

All: 0.002+/-0.008 χ^2/NDF: 61.0/49

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: 35.227+/-0.011 χ^2/NDF:85158.6/6

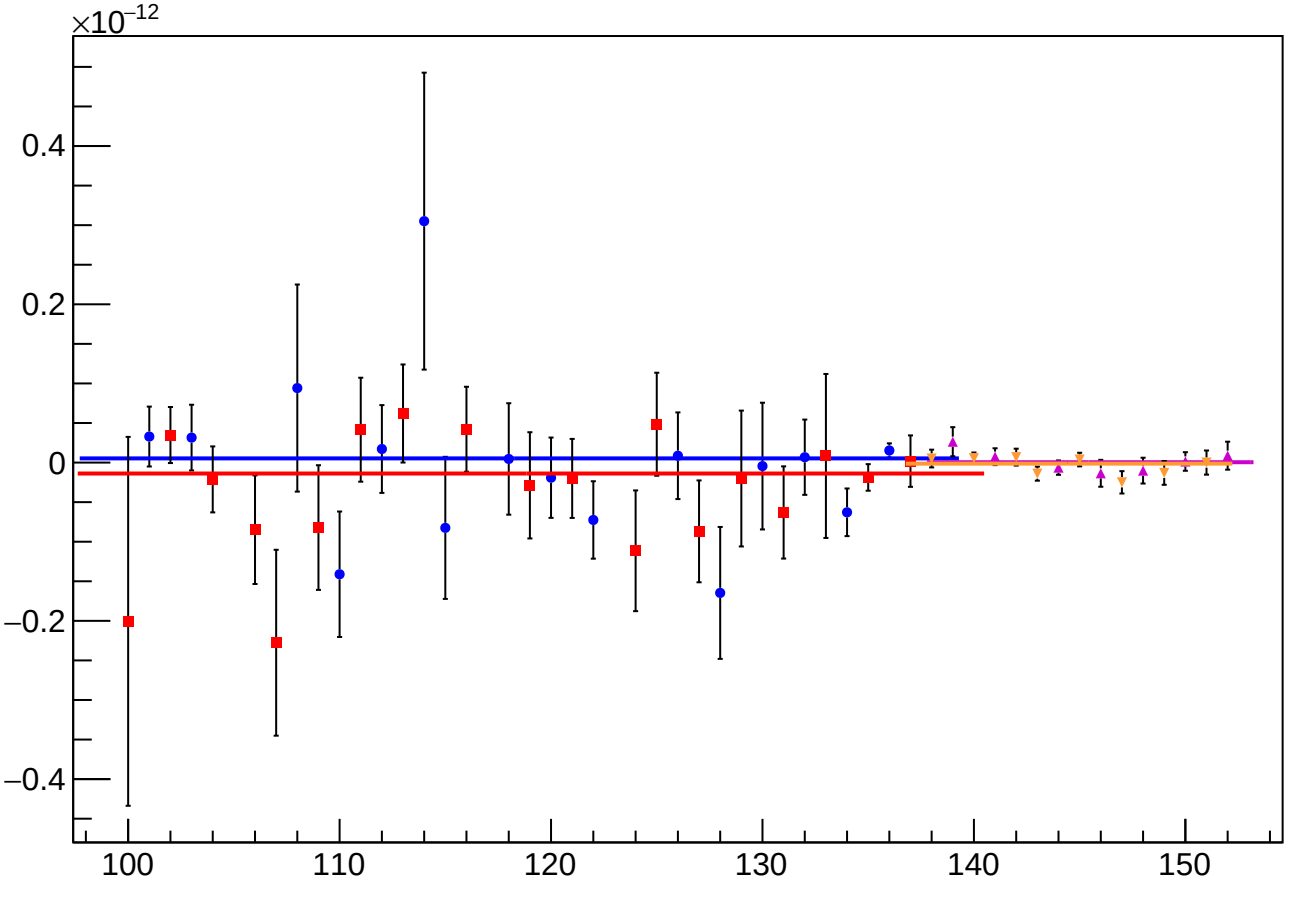
Left: 35.009+/-0.008 χ^2/NDF: 275311.2/14

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.518+/-0.008 χ^2/NDF:1855292.8/22

Out: 36.154+/-0.008 χ^2/NDF:2168984.2/26

All: 36.336+/-0.005 χ^2/NDF: 4025374.8/49



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/7

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.3/6

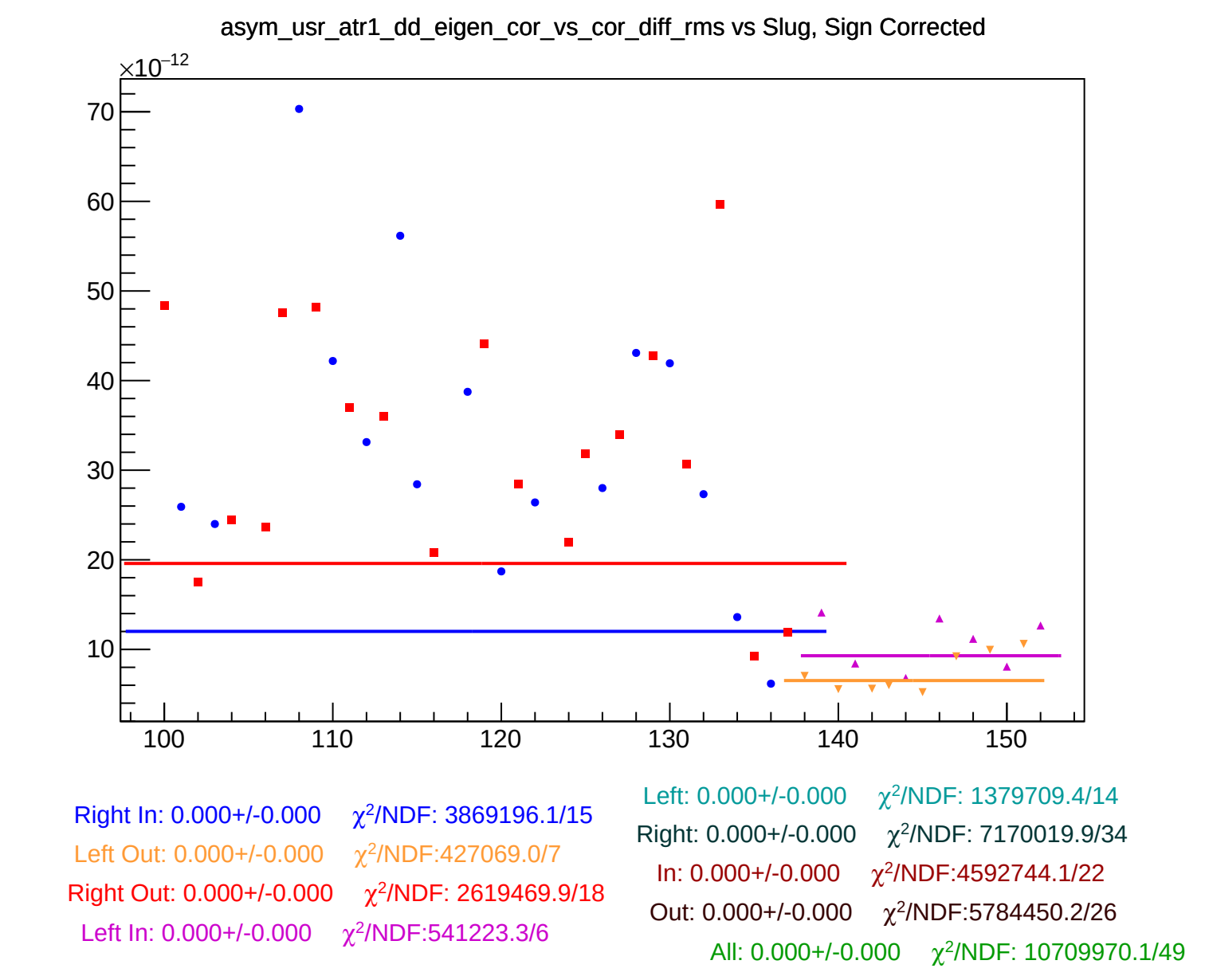
Left: -0.000+/-0.000 χ^2/NDF: 12.0/14

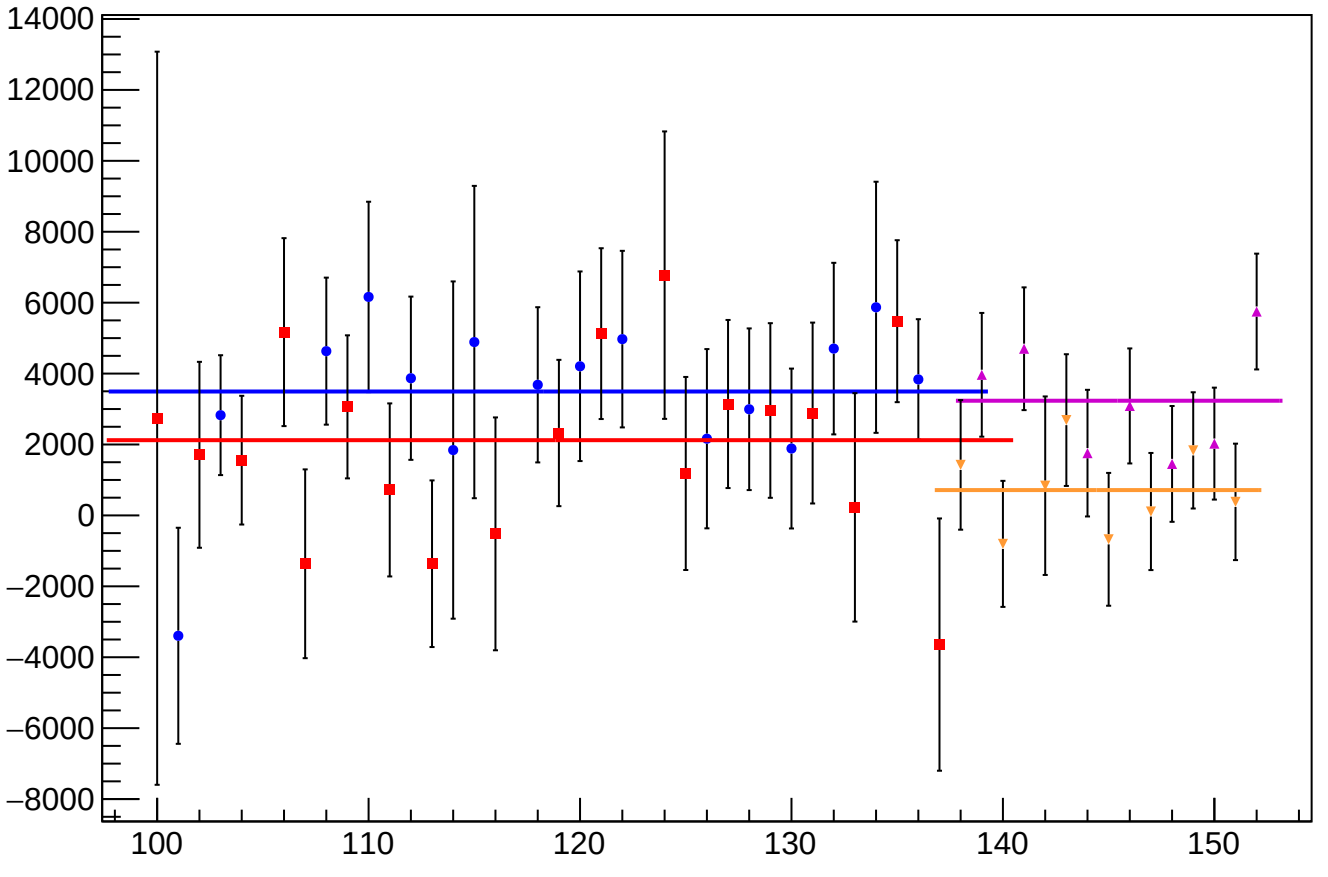
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:26.3/22

Out: -0.000+/-0.000 χ^2/NDF:24.8/26

All: -0.000+/-0.000 χ^2/NDF: 51.8/49


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:541223.3/6
Left: 0.000+/-0.000 χ²/NDF: 1379709.4/14
Right: 0.000+/-0.000 χ²/NDF: 7170019.9/34
In: 0.000+/-0.000 χ²/NDF:4592744.1/22
Out: 0.000+/-0.000 χ²/NDF:5784450.2/26
All: 0.000+/-0.000 χ²/NDF: 10709970.1/49



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: 3234.253+/-631.549 χ^2/NDF:5.7/6

Left: 1986.663+/-448.765 χ^2/NDF: 16.8/14

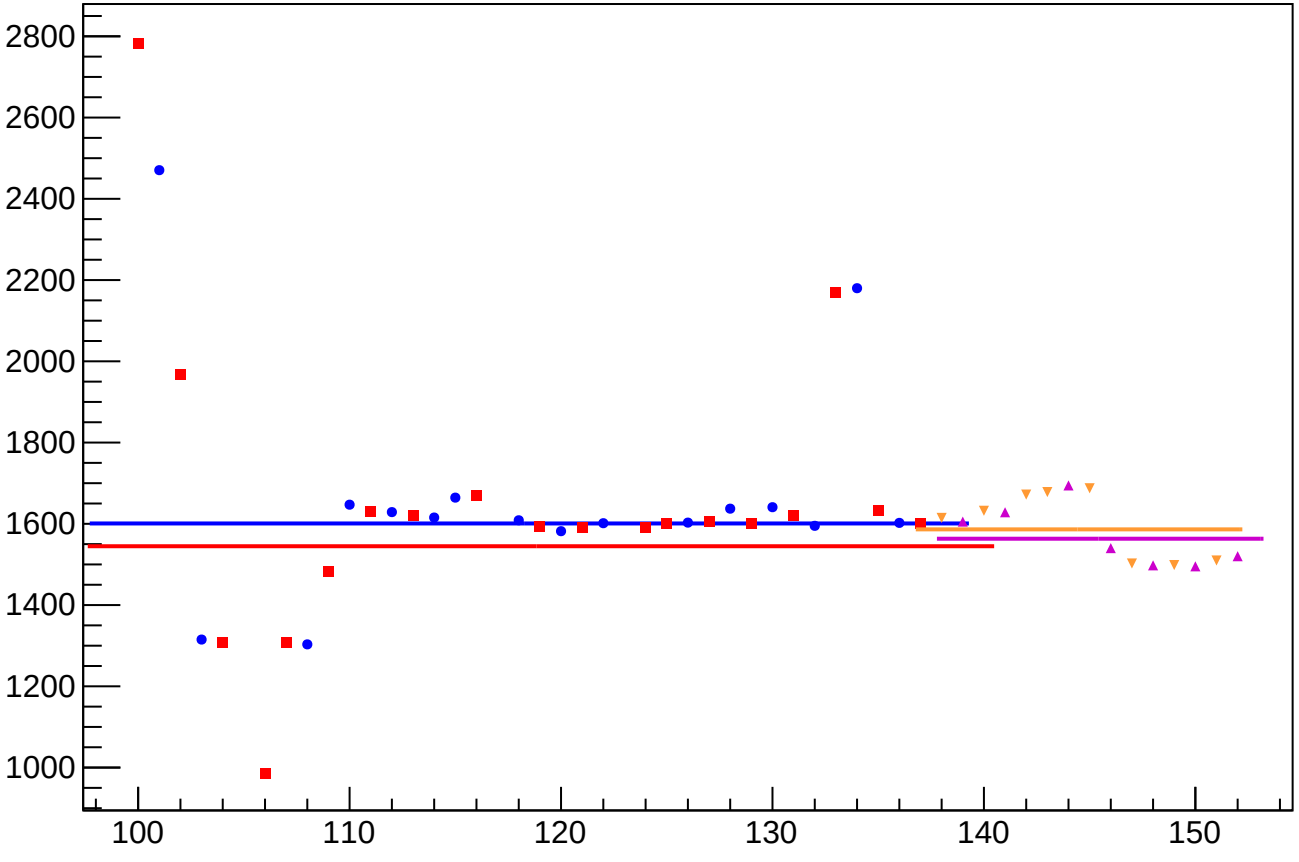
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3370.720+/-435.441 χ^2/NDF:14.6/22

Out: 1475.529+/-432.161 χ^2/NDF:20.9/26

All: 2415.959+/-306.737 χ^2/NDF: 45.1/49

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: 1563.297+/-0.447 χ^2/NDF:23512.0/6

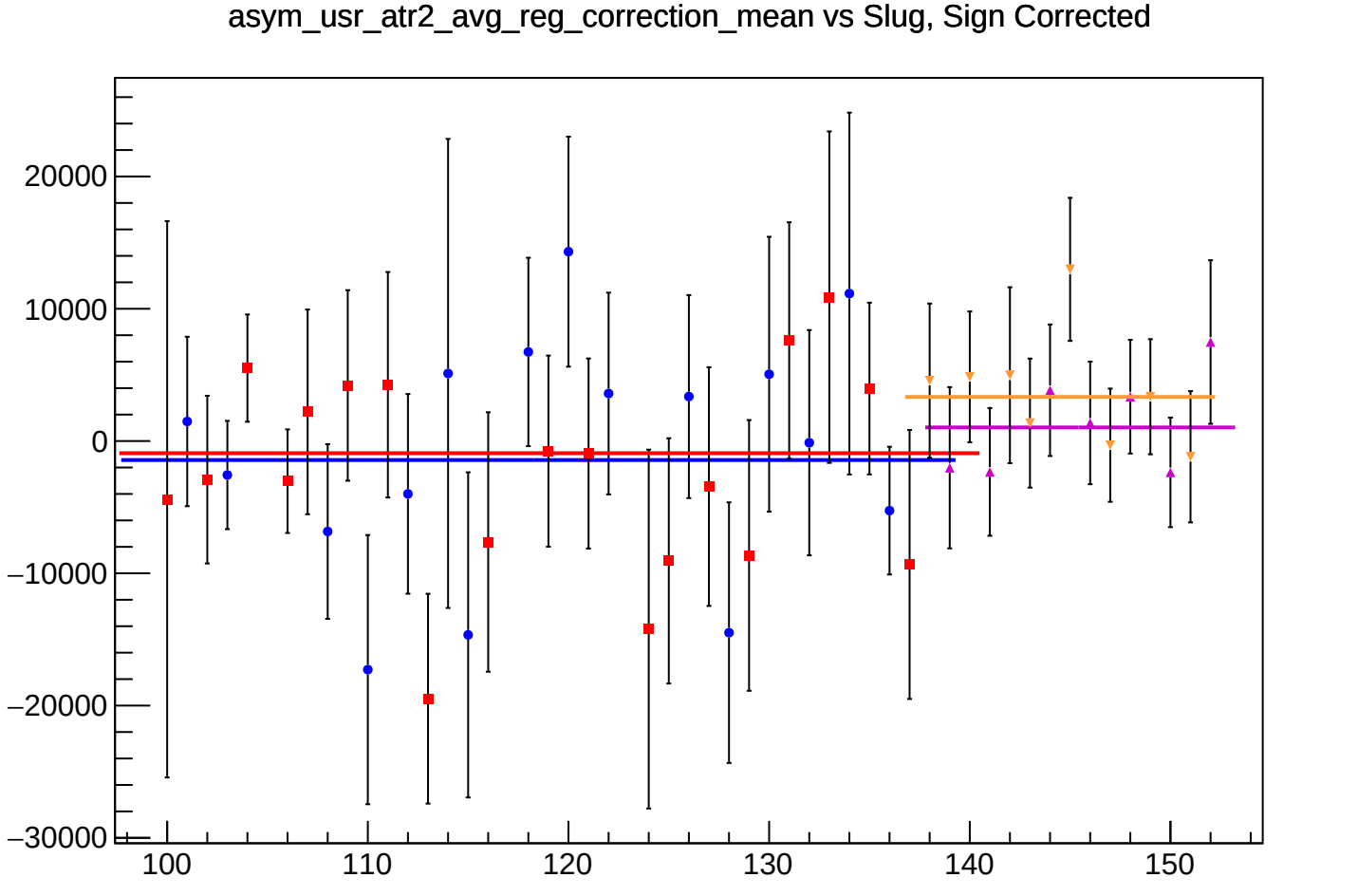
Left: 1574.700+/-0.317 χ^2/NDF: 54933.2/14

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1583.014+/-0.308 χ^2/NDF:344641.6/22

Out: 1563.526+/-0.303 χ^2/NDF:410887.0/26

All: 1573.107+/-0.216 χ^2/NDF: 757565.0/49



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: 1027.964+/-1839.448 χ^2/NDF:3.1/6

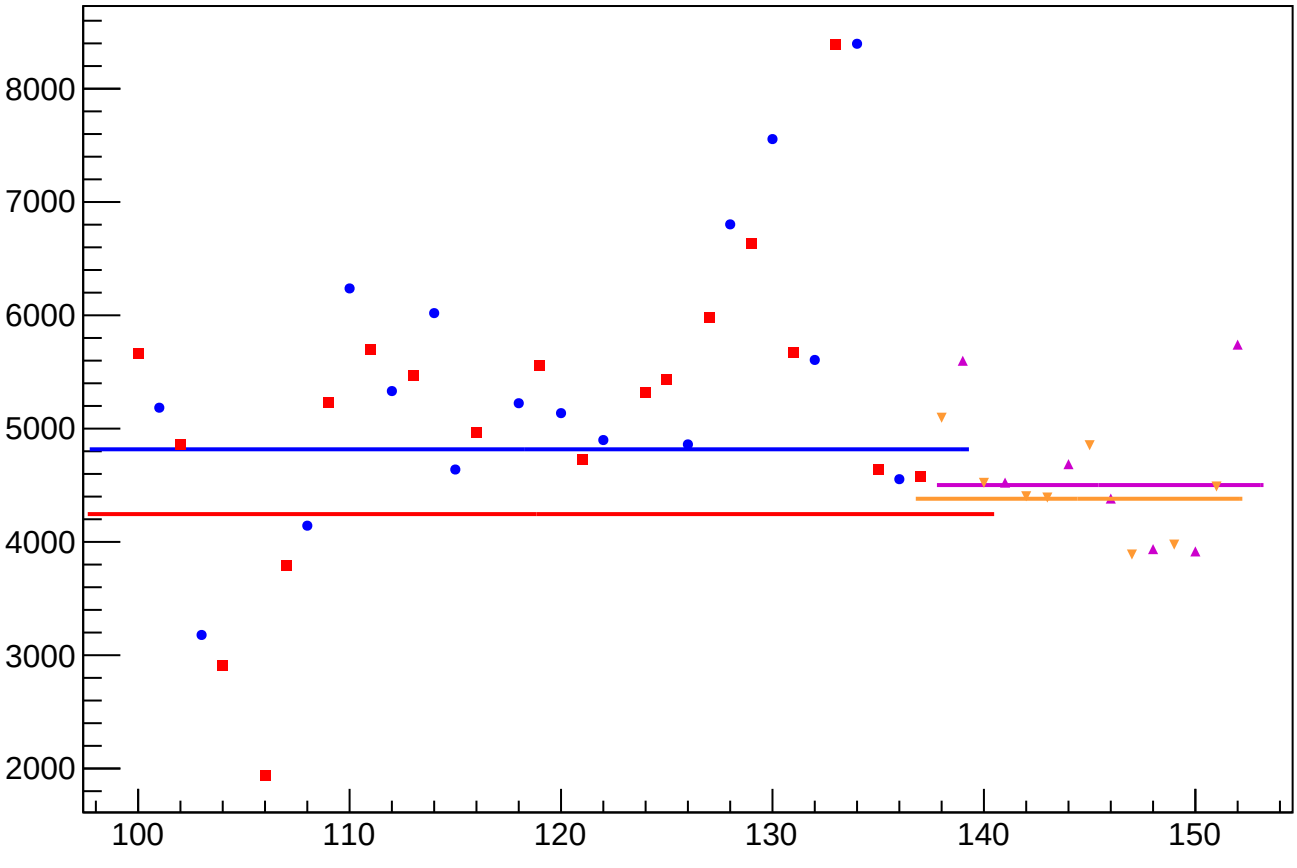
Left: 2221.850+/-1277.536 χ^2/NDF: 9.0/14

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -198.669+/-1303.800 χ^2/NDF:17.9/22

Out: 1076.737+/-1216.227 χ^2/NDF:23.5/26

All: 483.302+/-889.351 χ^2/NDF: 41.9/49



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: 4501.790+/-1.301 χ^2/NDF:223904.9/6

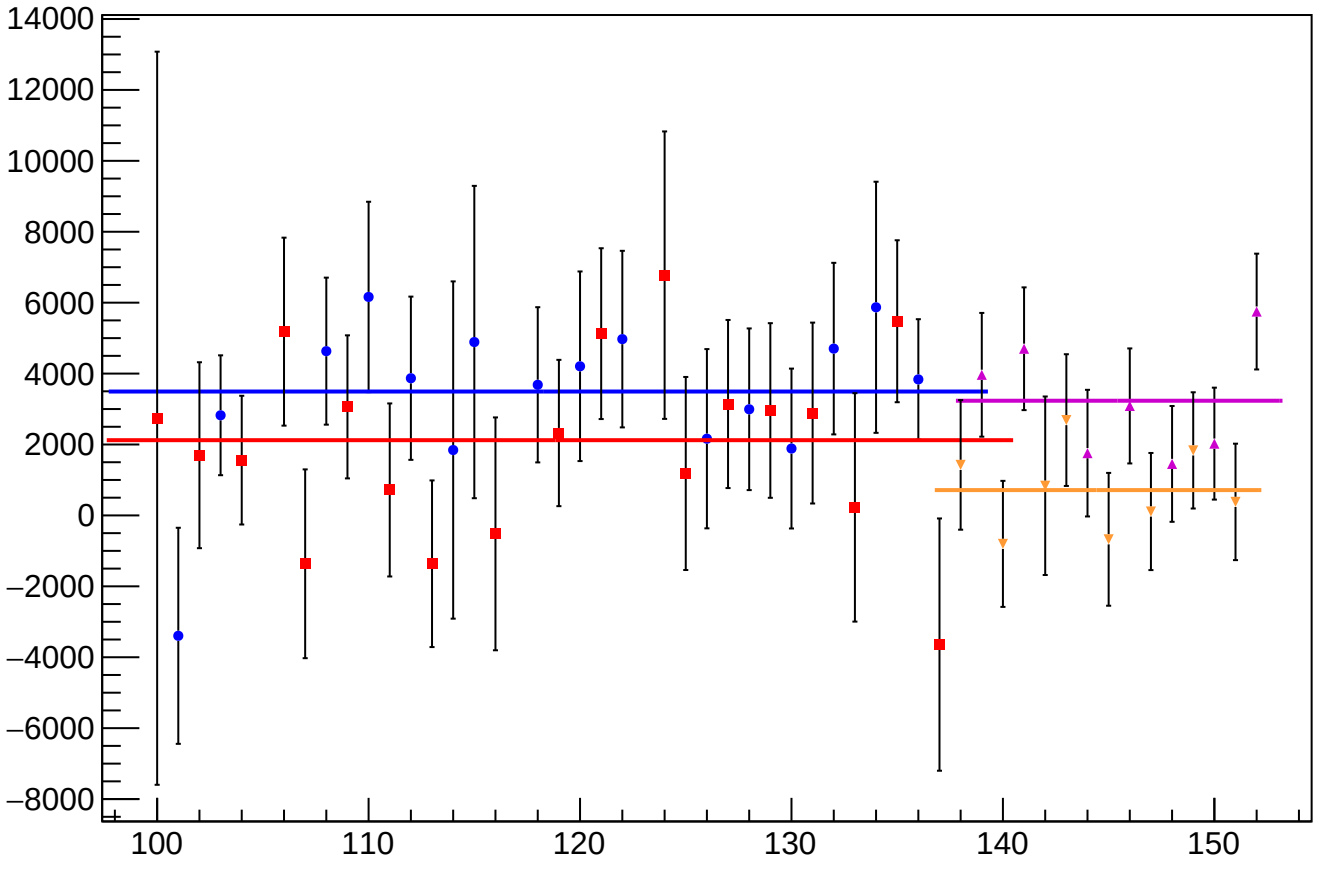
Left: 4439.263+/-0.903 χ^2/NDF: 320058.0/14

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4658.810+/-0.922 χ^2/NDF:1048623.7/22

Out: 4309.086+/-0.860 χ^2/NDF:1781027.0/26

All: 4471.810+/-0.629 χ^2/NDF: 2906595.2/49



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: 3234.364+/-631.549 χ^2/NDF:5.7/6

Left: 1986.666+/-448.765 χ^2/NDF: 16.8/14

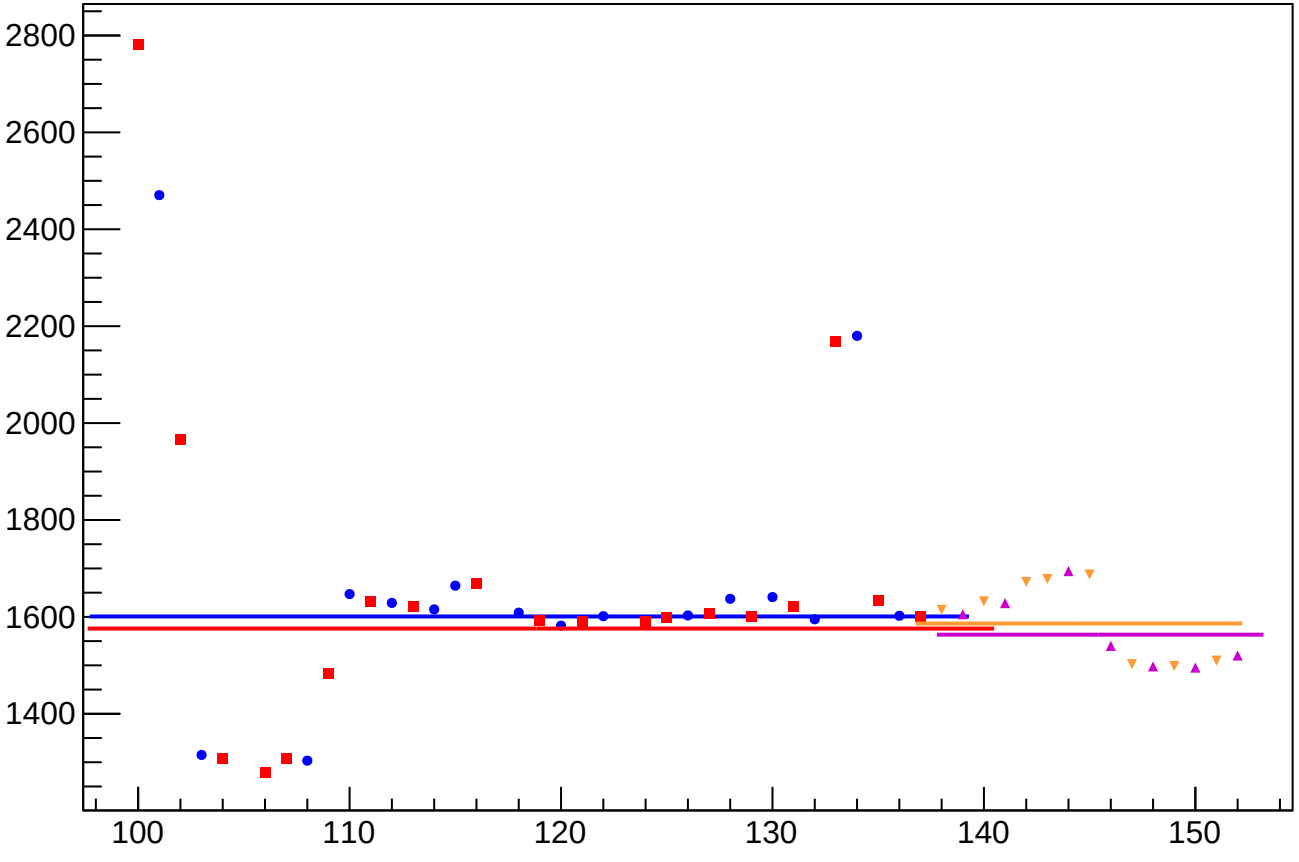
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3370.597+/-435.441 χ^2/NDF:14.6/22

Out: 1475.472+/-432.162 χ^2/NDF:20.9/26

All: 2415.872+/-306.737 χ^2/NDF: 45.1/49

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: 1563.297+/-0.447 χ^2/NDF:23512.0/6

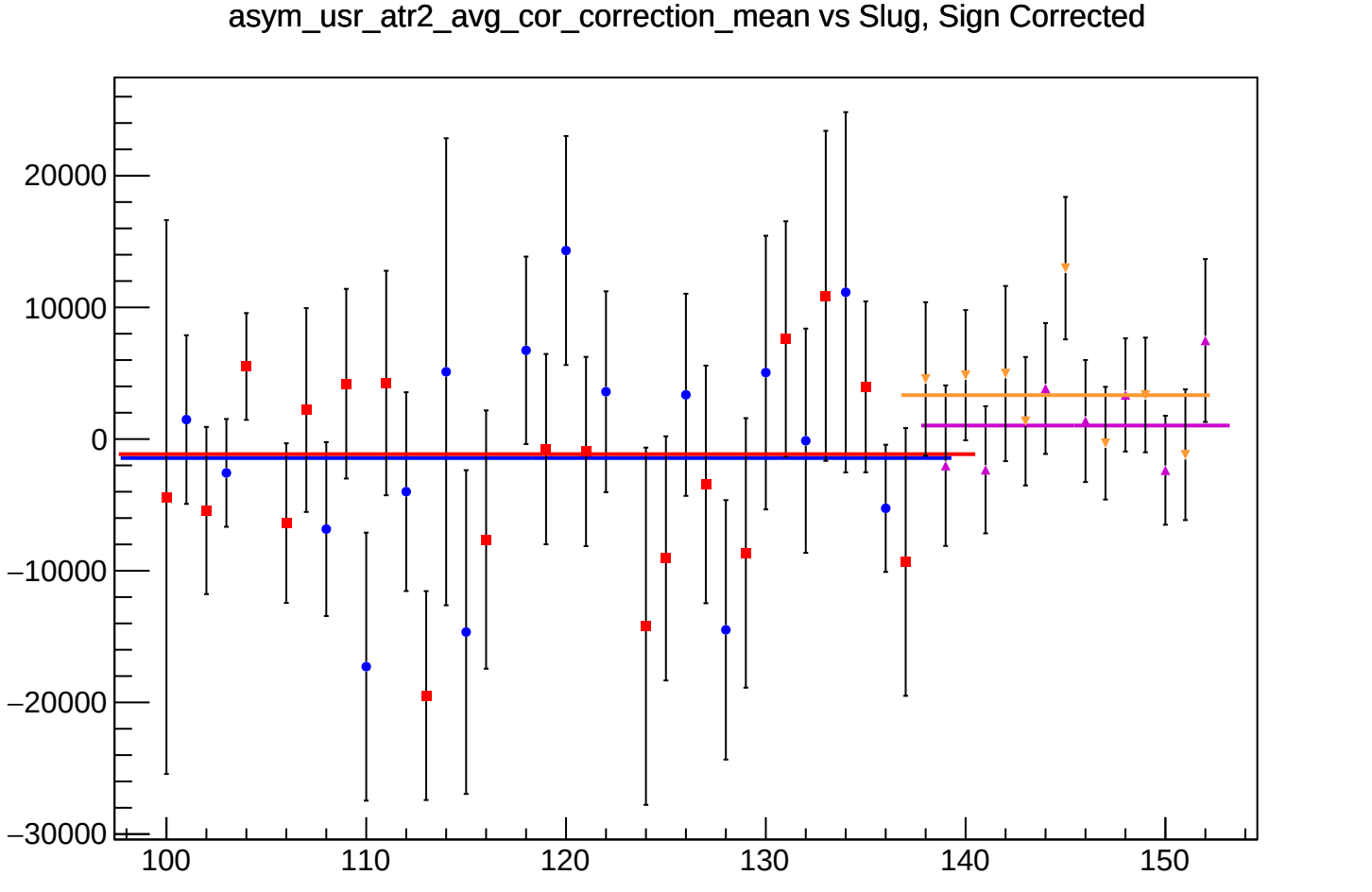
Left: 1574.701+/-0.317 χ^2/NDF: 54933.2/14

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1583.014+/-0.308 χ^2/NDF:344640.8/22

Out: 1580.669+/-0.305 χ^2/NDF:273726.5/26

All: 1581.830+/-0.217 χ^2/NDF: 618396.6/49



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: 1028.110+/-1839.448 χ^2/NDF:3.1/6

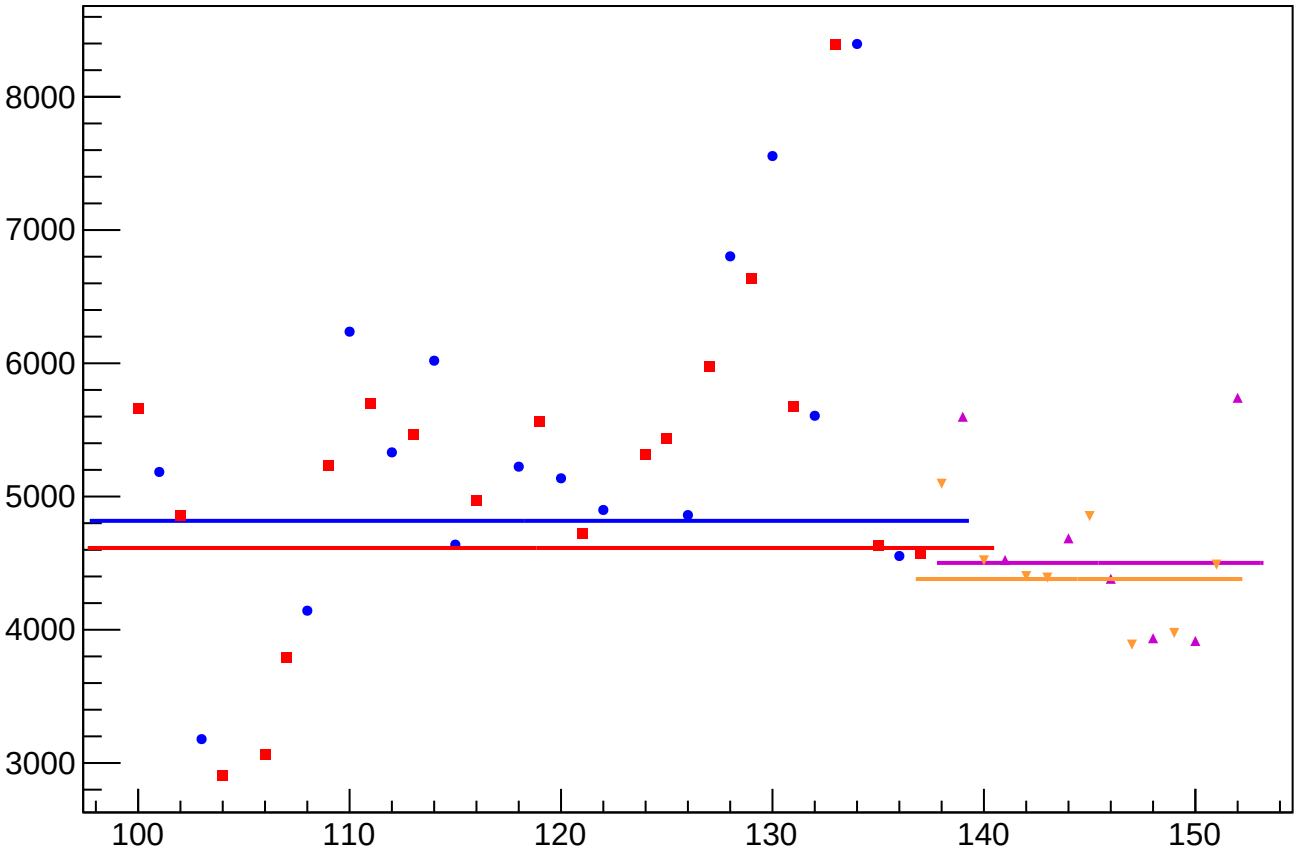
Left: 2221.914+/-1277.534 χ^2/NDF: 9.0/14

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -198.692+/-1303.813 χ^2/NDF:17.9/22

Out: 1081.094+/-1251.930 χ^2/NDF:24.6/26

All: 467.171+/-903.033 χ^2/NDF: 42.9/49



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: 4501.790+/-1.301 χ^2/NDF:223908.5/6

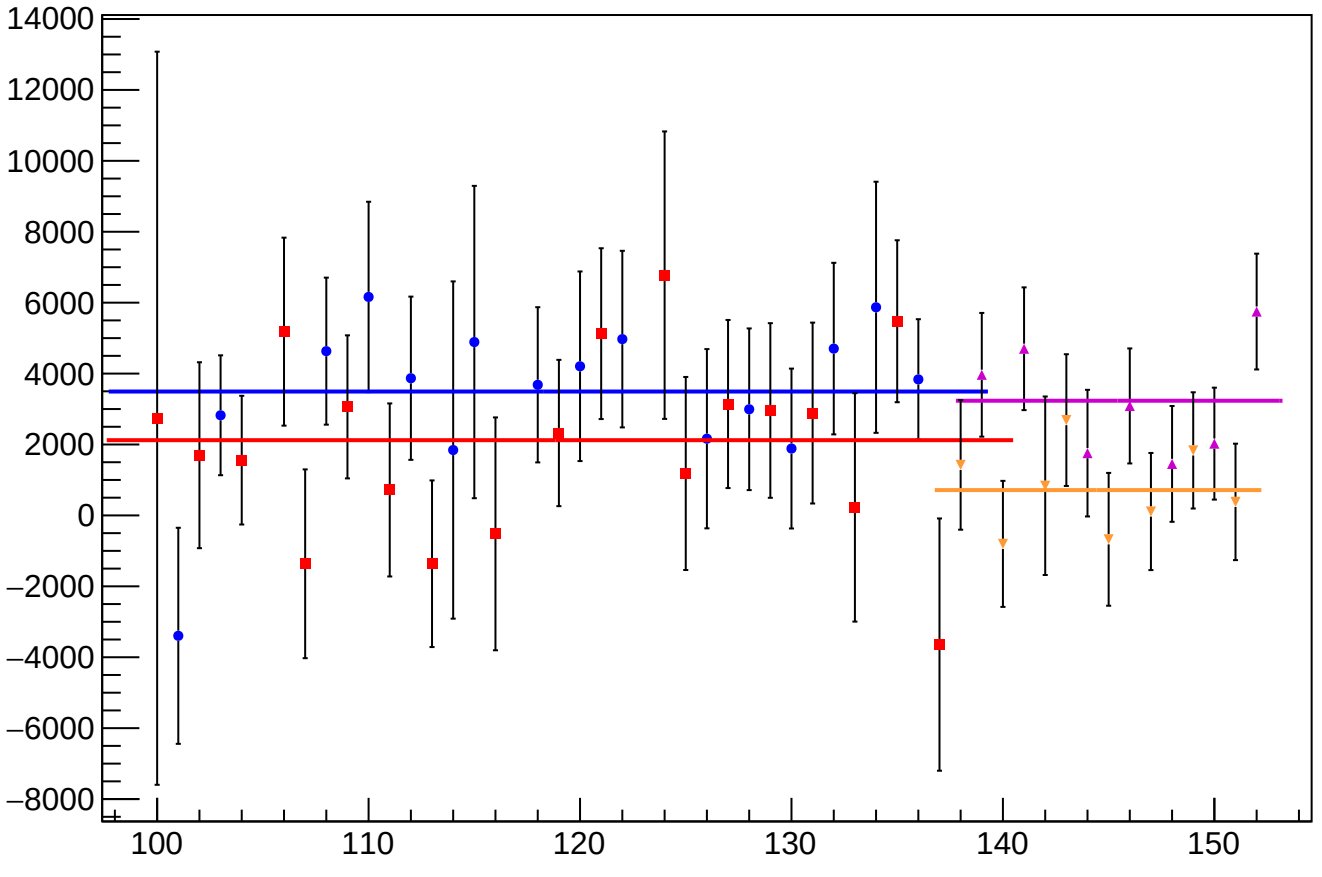
Left: 4439.256+/-0.903 χ^2/NDF: 320063.7/14

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4658.875+/-0.922 χ^2/NDF:1048454.1/22

Out: 4498.093+/-0.885 χ^2/NDF:1086946.6/26

All: 4575.221+/-0.639 χ^2/NDF: 2151224.9/49



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: 3234.364+/-631.549 χ^2/NDF:5.7/6

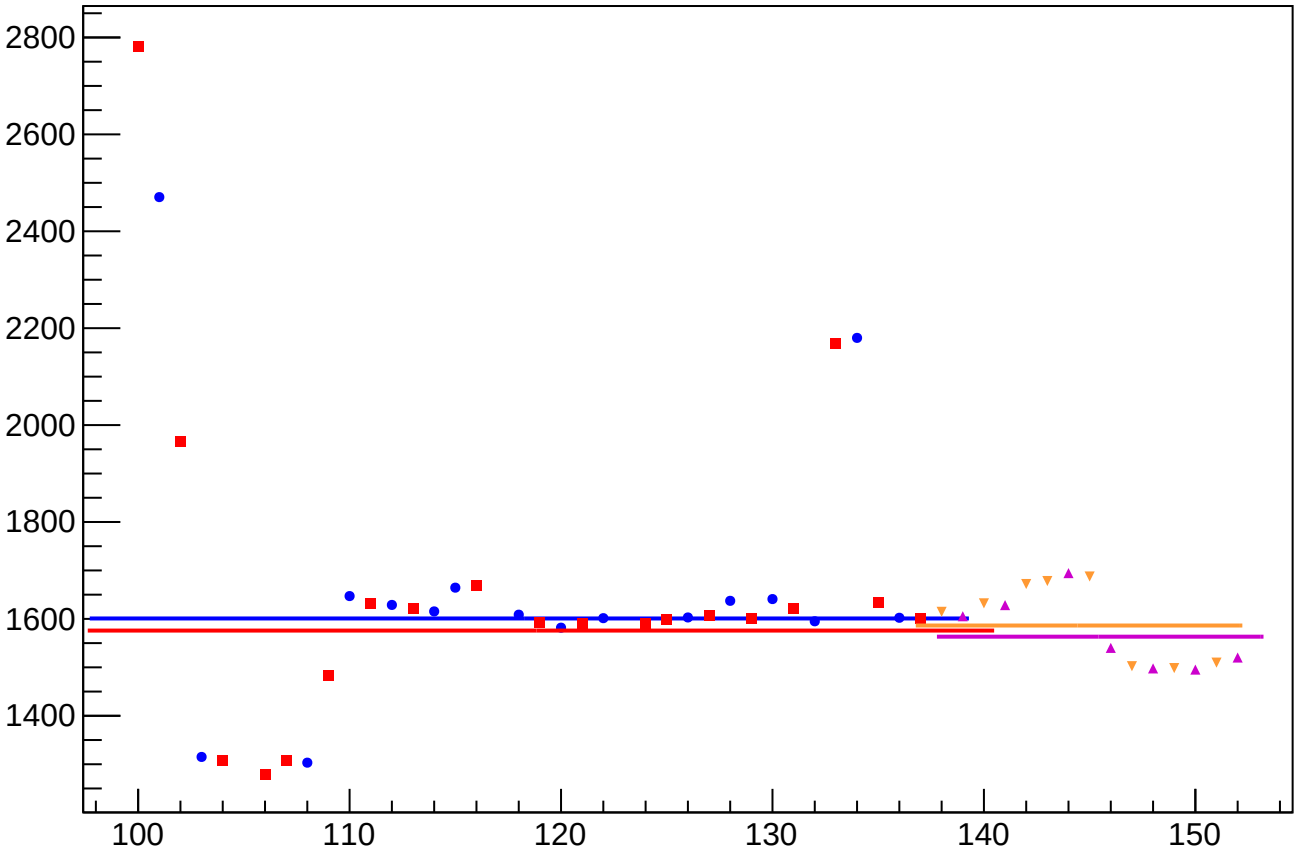
Left: 1986.666+/-448.765 χ^2/NDF: 16.8/14

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3370.597+/-435.441 χ^2/NDF:14.6/22

Out: 1475.472+/-432.162 χ^2/NDF:20.9/26

All: 2415.872+/-306.737 χ^2/NDF: 45.1/49



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: 1563.297+/-0.447 χ^2/NDF:23512.0/6

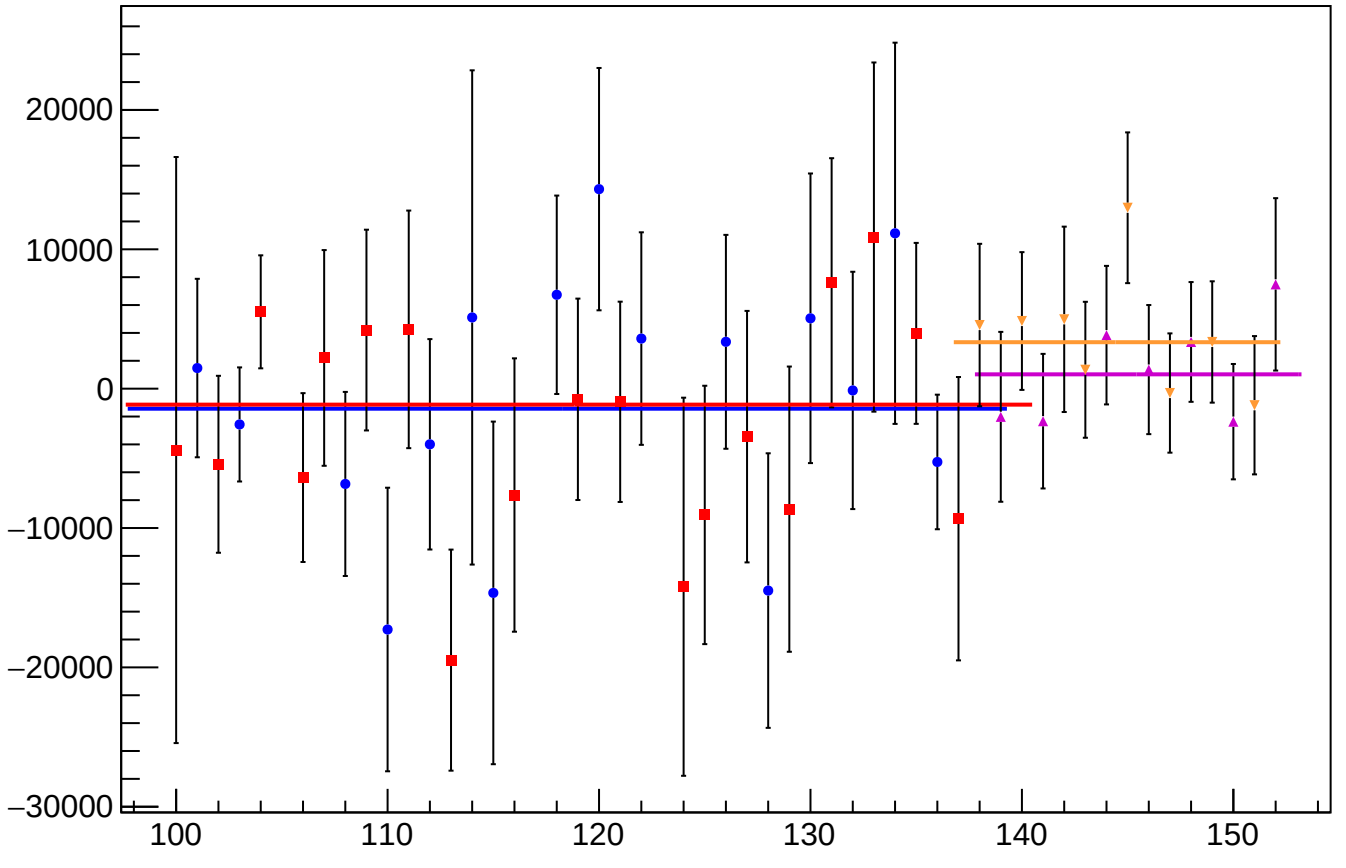
Left: 1574.701+/-0.317 χ^2/NDF: 54933.2/14

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1583.014+/-0.308 χ^2/NDF:344640.8/22

Out: 1580.669+/-0.305 χ^2/NDF:273726.5/26

All: 1581.830+/-0.217 χ^2/NDF: 618396.6/49



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: 1028.110+/-1839.448 χ^2/NDF:3.1/6

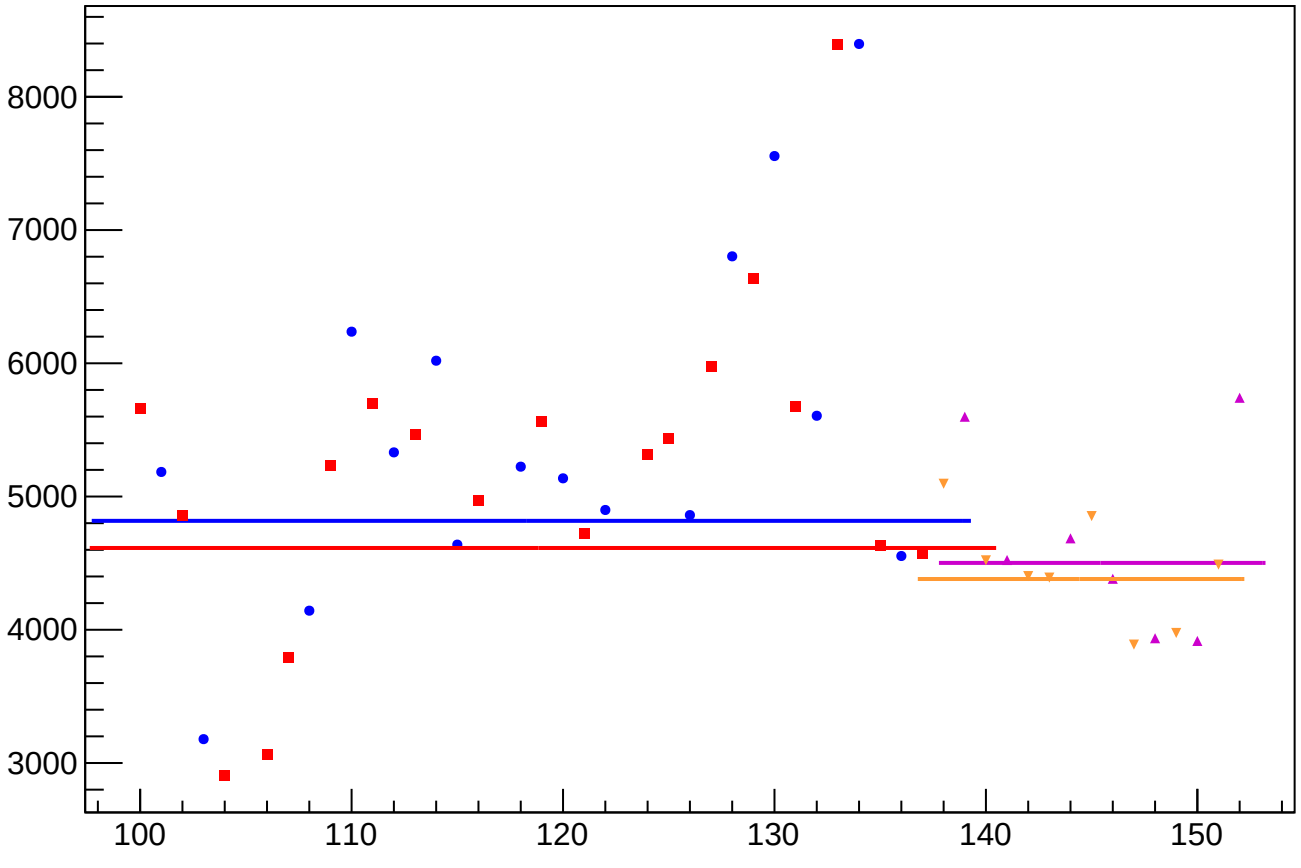
Left: 2221.914+/-1277.534 χ^2/NDF: 9.0/14

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -198.692+/-1303.813 χ^2/NDF:17.9/22

Out: 1081.094+/-1251.930 χ^2/NDF:24.6/26

All: 467.171+/-903.033 χ^2/NDF: 42.9/49



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: 4501.790+/-1.301 χ^2/NDF:223908.5/6

Left: 4439.256+/-0.903 χ^2/NDF: 320063.7/14

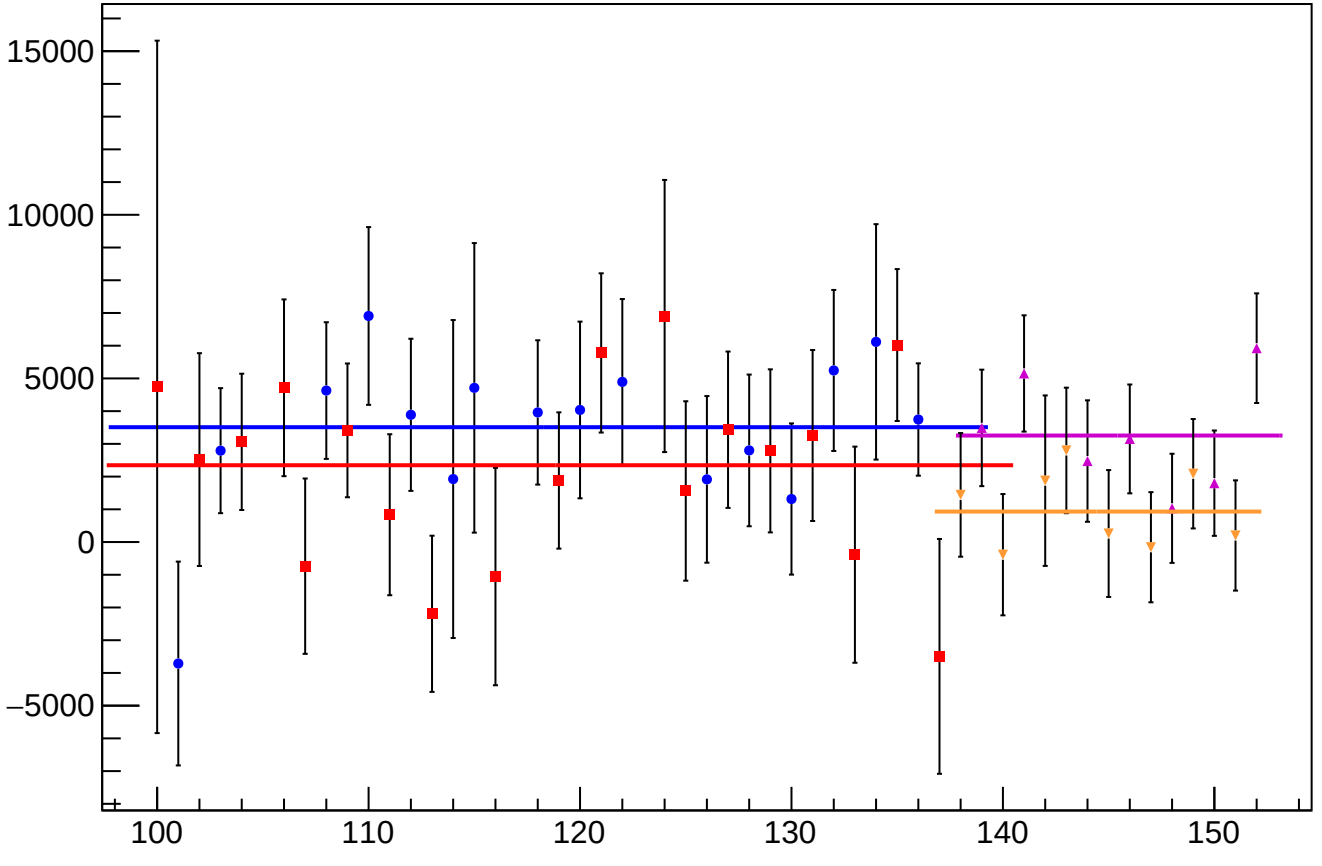
Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4658.875+/-0.922 χ^2/NDF:1048454.1/22

Out: 4498.093+/-0.885 χ^2/NDF:1086946.6/26

All: 4575.221+/-0.639 χ^2/NDF: 2151224.9/49

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: 3254.596+/-647.352 χ^2/NDF:6.5/6

Left: 2109.081+/-460.965 χ^2/NDF: 15.7/14

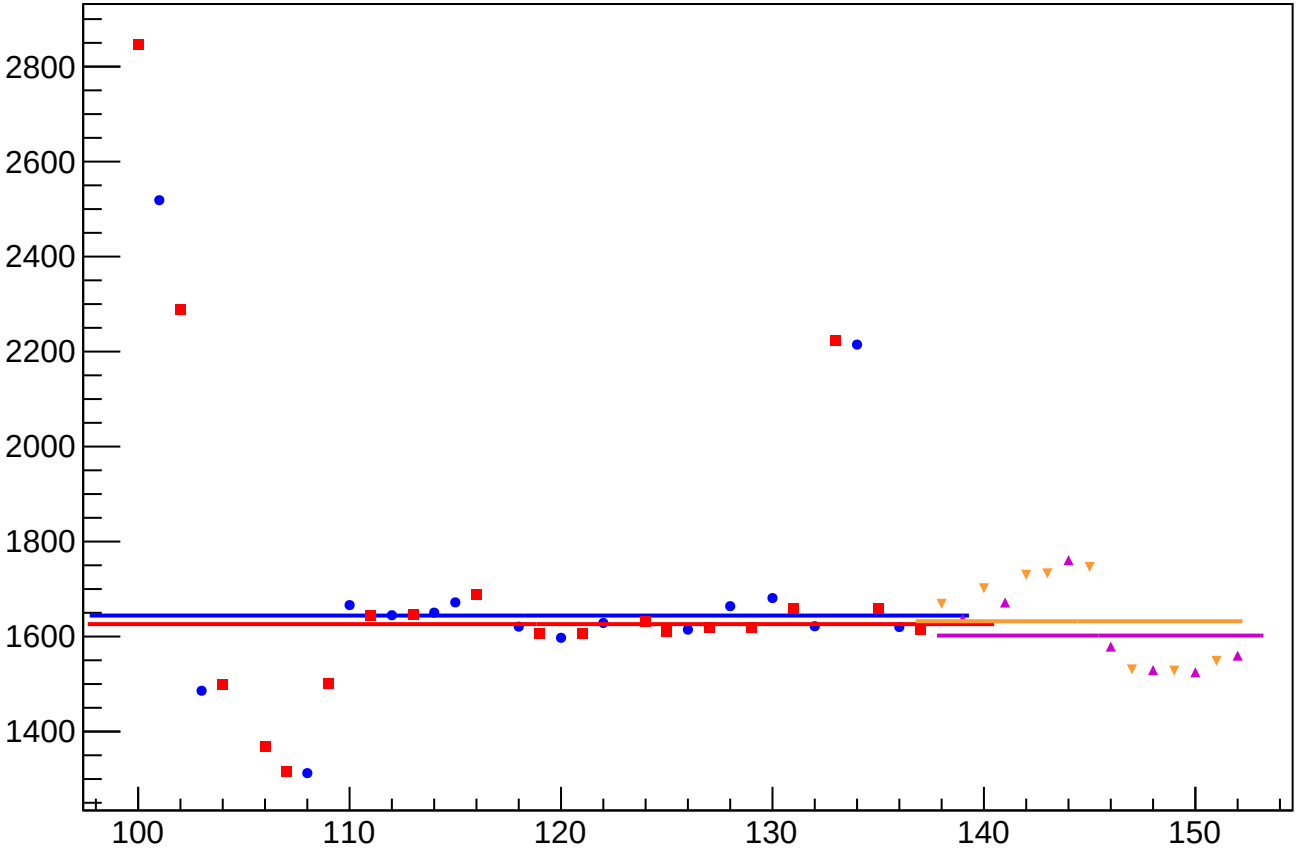
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3388.224+/-446.525 χ^2/NDF:16.9/22

Out: 1693.682+/-445.902 χ^2/NDF:22.5/26

All: 2539.771+/-315.520 χ^2/NDF: 46.6/49

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: 1602.011+/-0.458 χ^2/NDF:28563.6/6

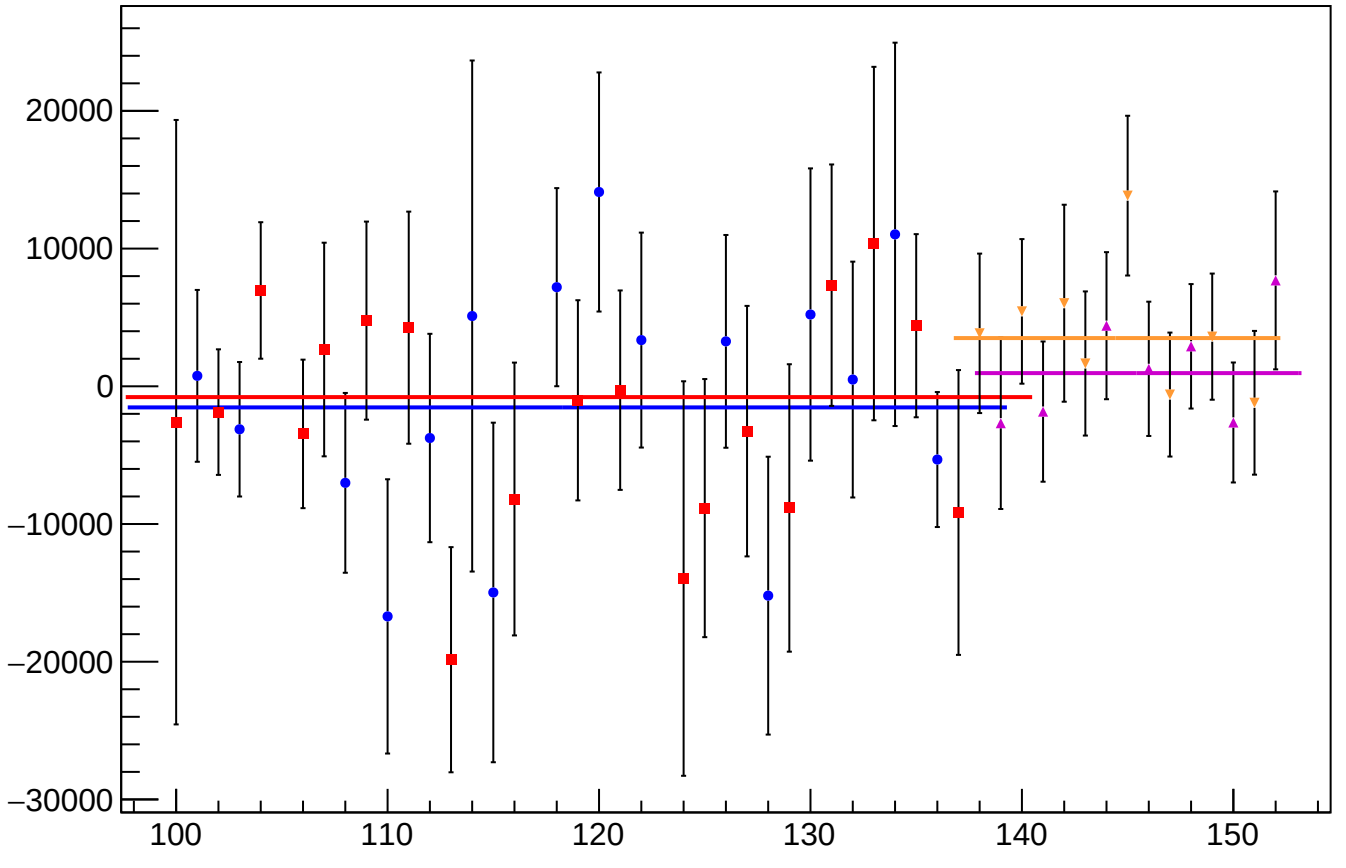
Left: 1616.937+/-0.326 χ^2/NDF: 69482.6/14

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1624.126+/-0.316 χ^2/NDF:307834.2/22

Out: 1628.993+/-0.315 χ^2/NDF:276494.8/26

All: 1626.564+/-0.223 χ^2/NDF: 584448.0/49



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: 957.953+/-1934.983 χ^2/NDF:3.0/6

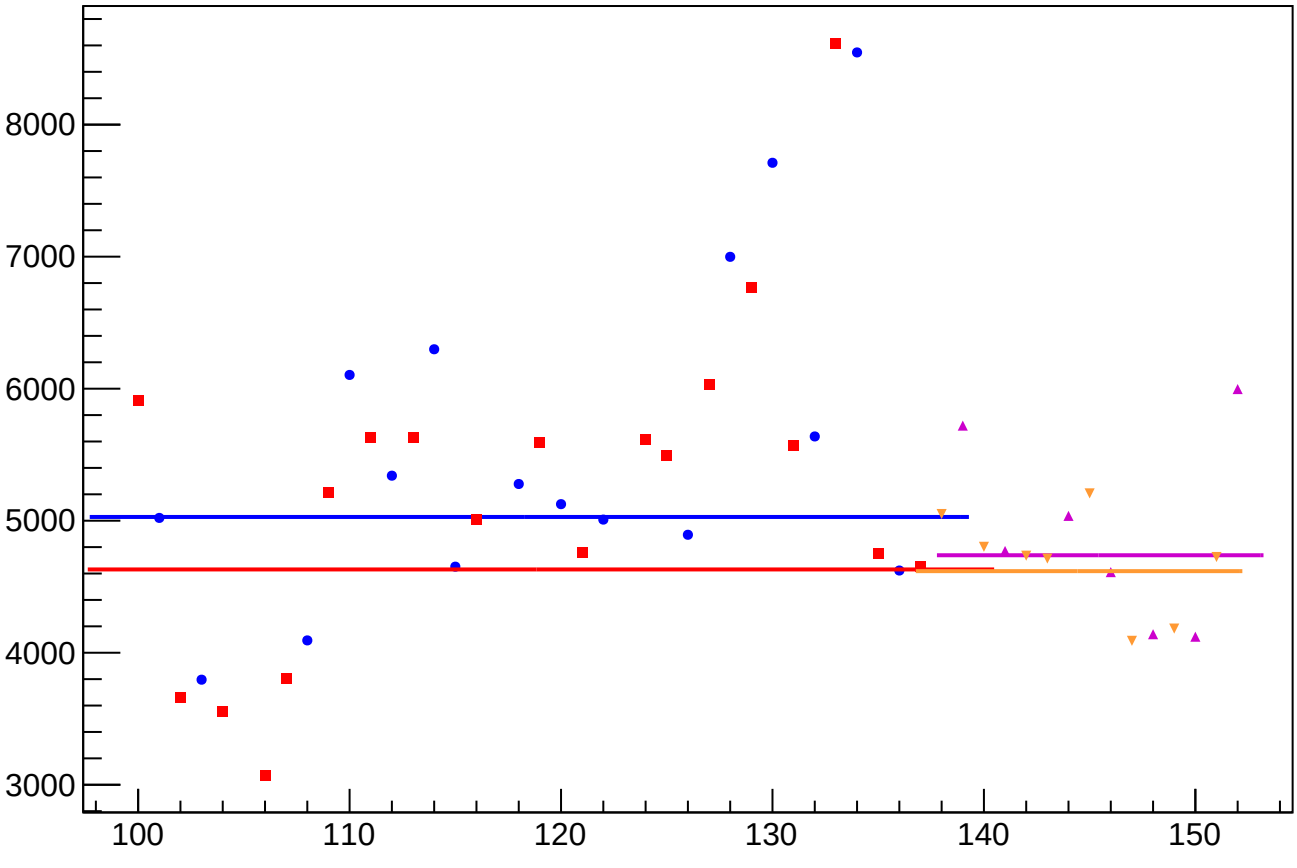
Left: 2272.687+/-1345.106 χ^2/NDF: 9.1/14

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -300.783+/-1360.688 χ^2/NDF:17.7/22

Out: 1213.940+/-1277.565 χ^2/NDF:23.1/26

All: 504.255+/-931.375 χ^2/NDF: 41.4/49



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: 4738.414+/-1.368 χ^2/NDF:208432.9/6

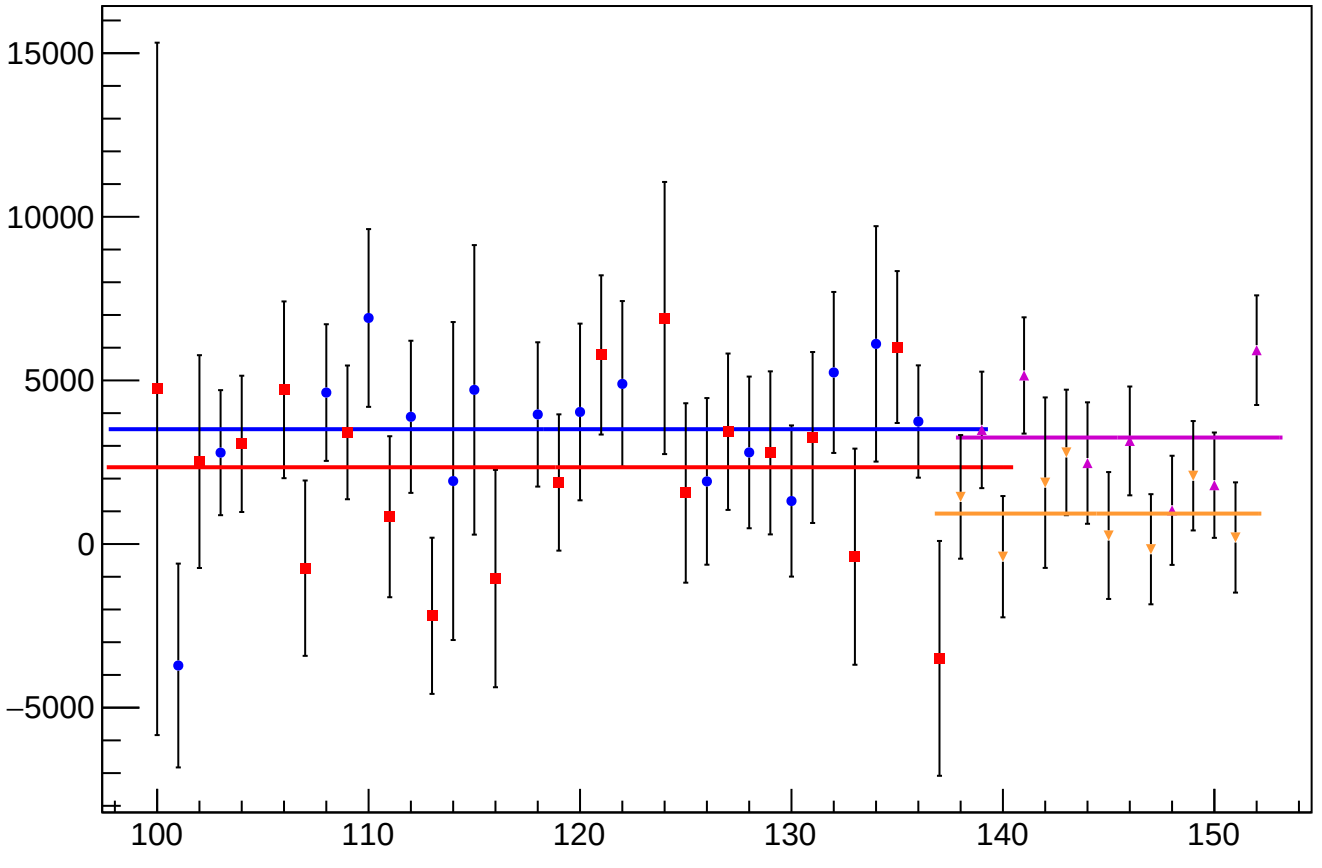
Left: 4676.218+/-0.951 χ^2/NDF: 294265.1/14

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 4885.028+/-0.962 χ^2/NDF:796616.6/22

Out: 4624.913+/-0.903 χ^2/NDF:945398.8/26

All: 4746.783+/-0.659 χ^2/NDF: 1780859.7/49



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: 3254.593+/-647.352 χ^2/NDF:6.5/6

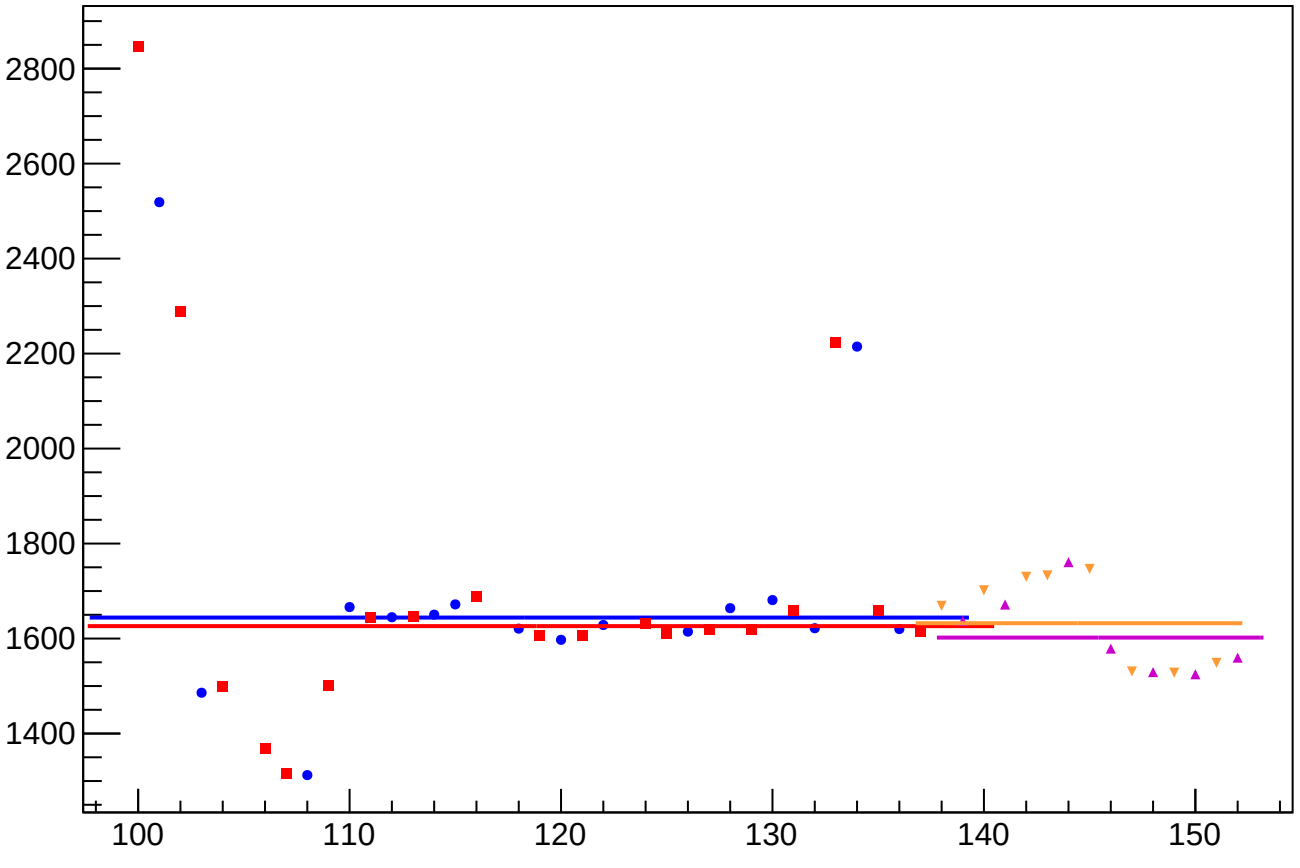
Left: 2109.079+/-460.966 χ^2/NDF: 15.7/14

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3388.224+/-446.525 χ^2/NDF:16.9/22

Out: 1693.686+/-445.903 χ^2/NDF:22.5/26

All: 2539.773+/-315.521 χ^2/NDF: 46.6/49



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1632.291+/-0.464 χ^2/NDF:38762.2/7

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1602.012+/-0.458 χ^2/NDF:28563.6/6

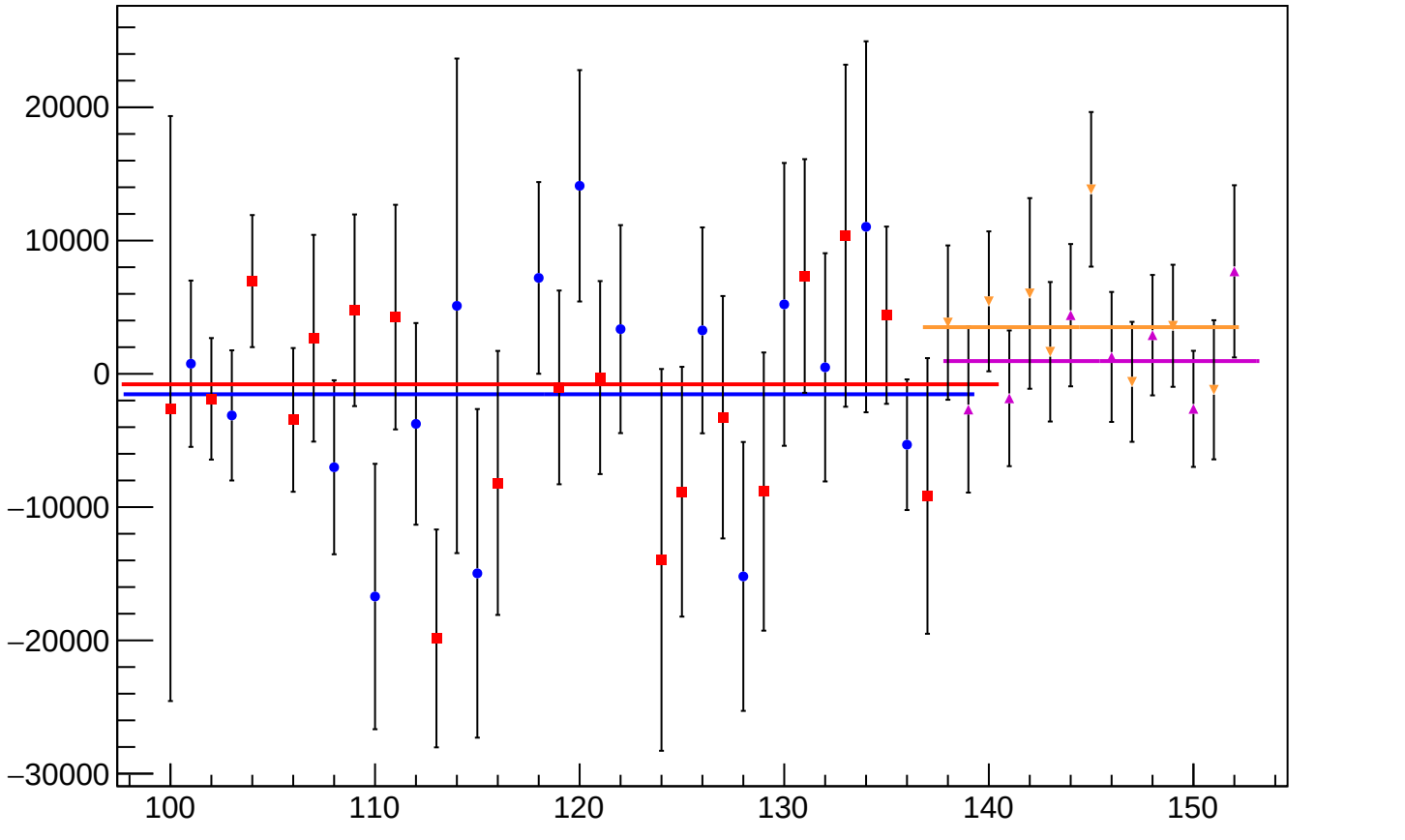
Left: 1616.938+/-0.326 χ^2/NDF: 69482.8/14

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1624.126+/-0.316 χ^2/NDF:307834.0/22

Out: 1628.993+/-0.315 χ^2/NDF:276494.6/26

All: 1626.564+/-0.223 χ^2/NDF: 584447.7/49



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: 957.951+/-1934.985 χ^2/NDF:3.0/6

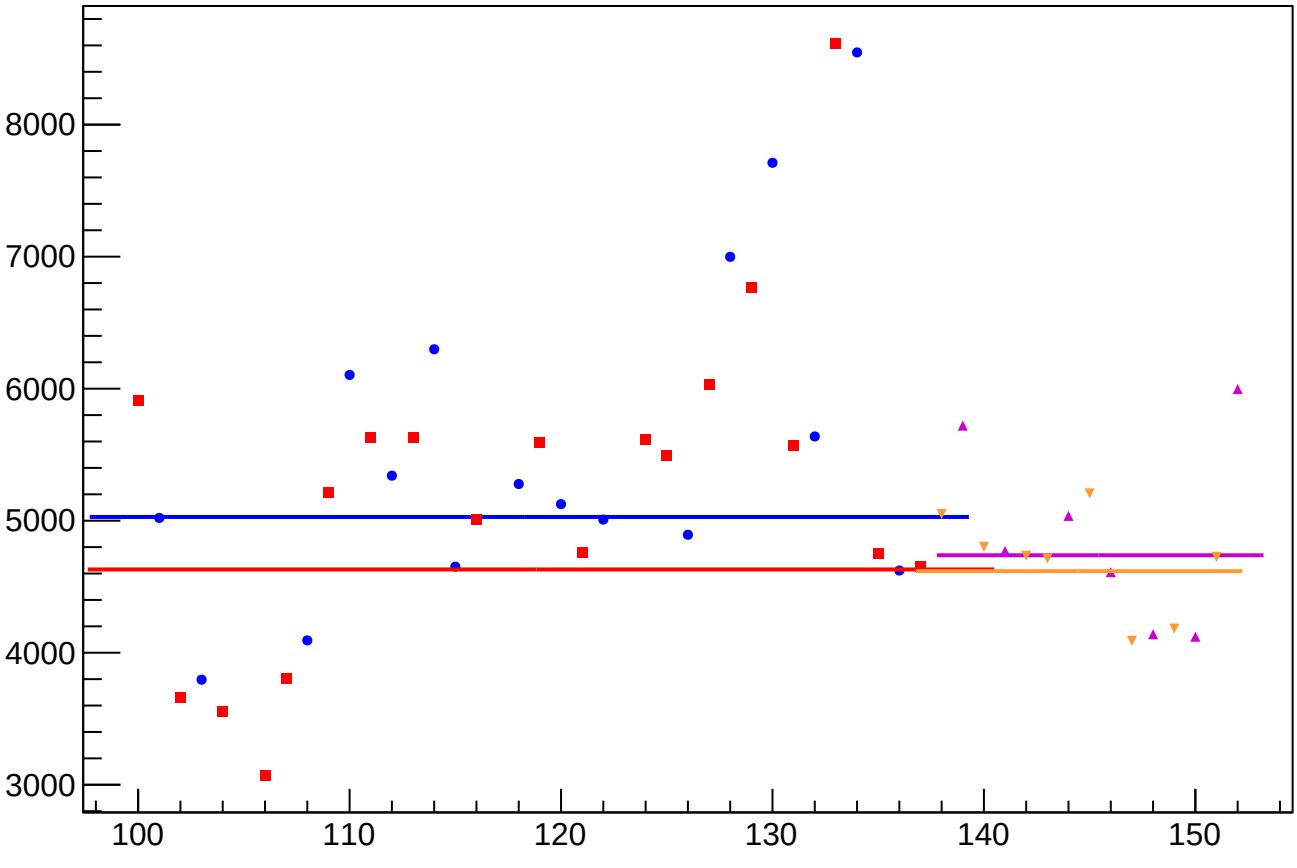
Left: 2272.686+/-1345.108 χ^2/NDF: 9.1/14

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -300.780+/-1360.688 χ^2/NDF:17.7/22

Out: 1213.933+/-1277.565 χ^2/NDF:23.1/26

All: 504.253+/-931.375 χ^2/NDF: 41.4/49



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: 4738.421+/-1.368 χ^2/NDF:208432.2/6

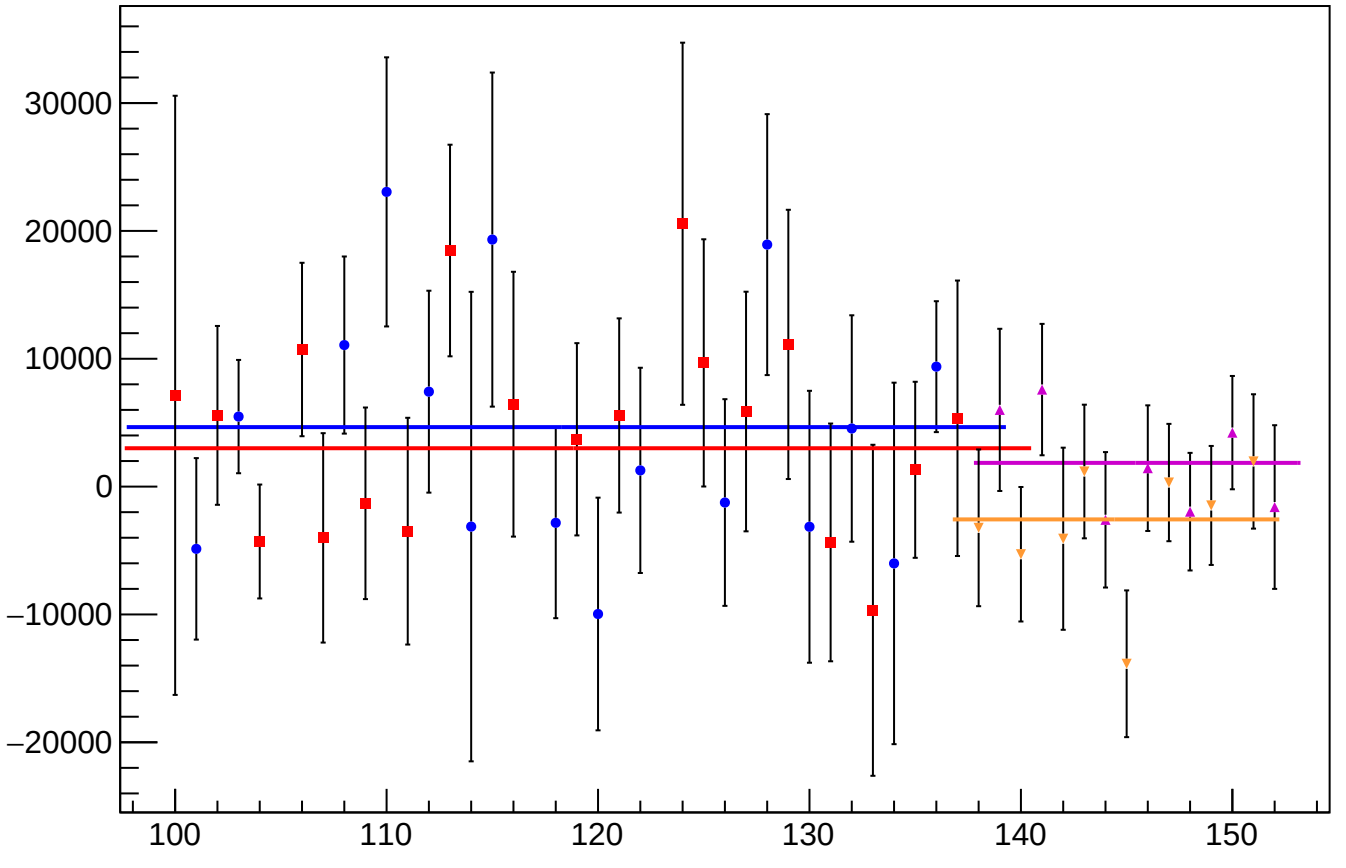
Left: 4676.225+/-0.951 χ^2/NDF: 294264.5/14

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 4885.029+/-0.962 χ^2/NDF:796607.6/22

Out: 4624.913+/-0.903 χ^2/NDF:945392.9/26

All: 4746.784+/-0.659 χ^2/NDF: 1780845.0/49



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: 1856.141+/-1952.321 χ^2/NDF:3.7/6

Left: -423.671+/-1358.779 χ^2/NDF: 12.2/14

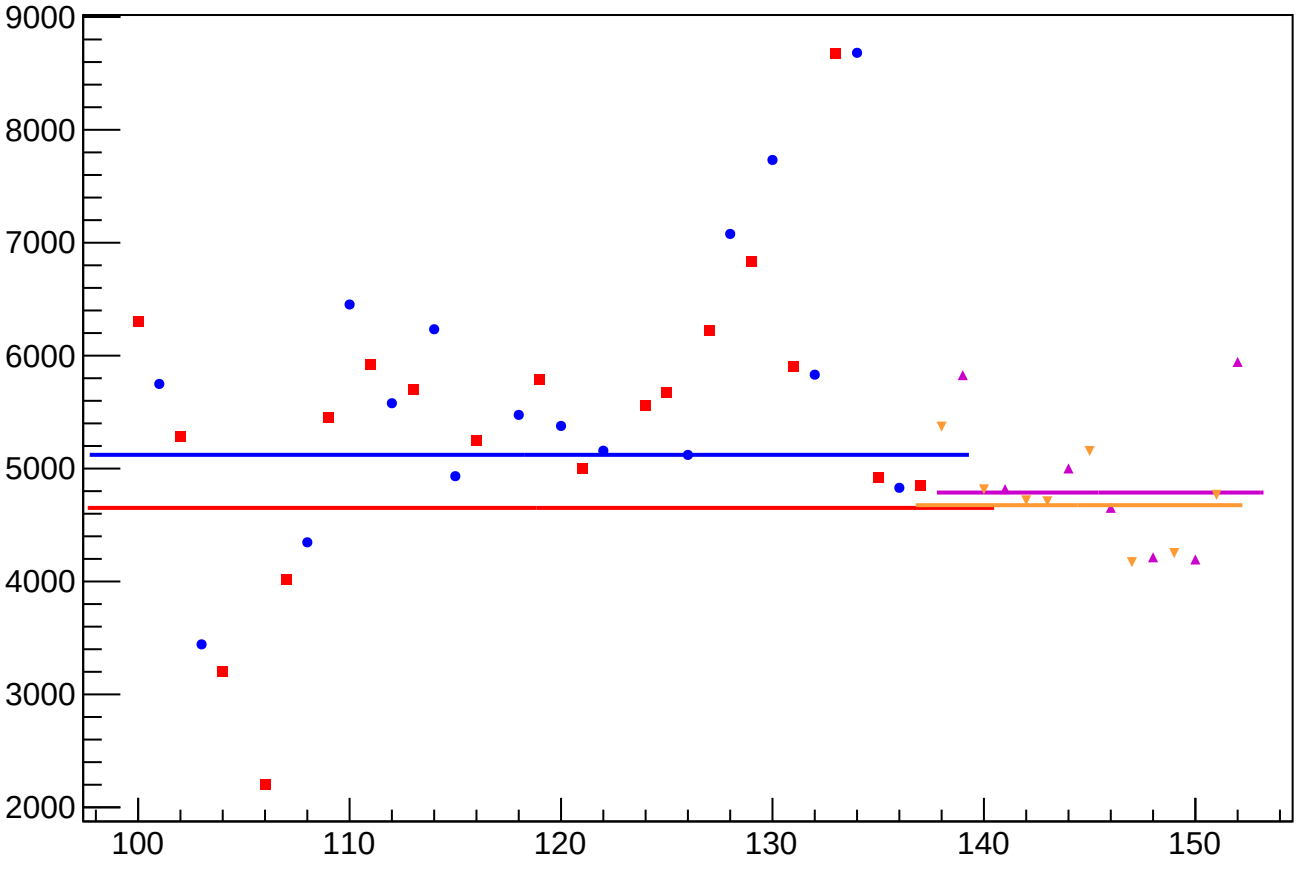
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3250.223+/-1382.677 χ^2/NDF:20.2/22

Out: 231.734+/-1334.692 χ^2/NDF:24.1/26

All: 1687.692+/-960.286 χ^2/NDF: 46.8/49

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: 4787.637+/-1.380 χ^2/NDF:190766.8/6

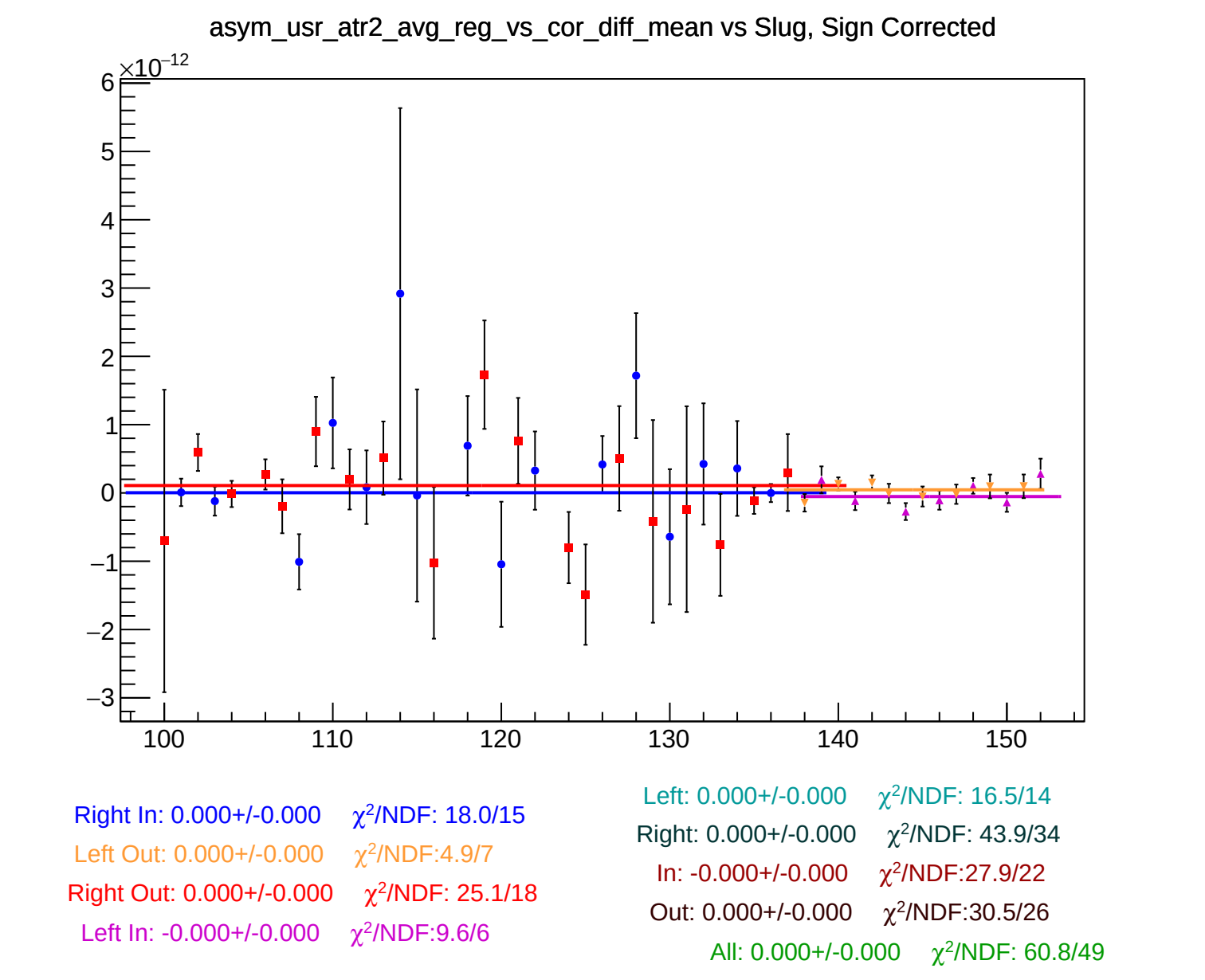
Left: 4729.901+/-0.961 χ^2/NDF: 276819.1/14

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 4954.113+/-0.978 χ^2/NDF:940313.5/22

Out: 4663.167+/-0.925 χ^2/NDF:1427694.9/26

All: 4800.599+/-0.672 χ^2/NDF: 2414733.3/49


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
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1
0
−1
−2
−3
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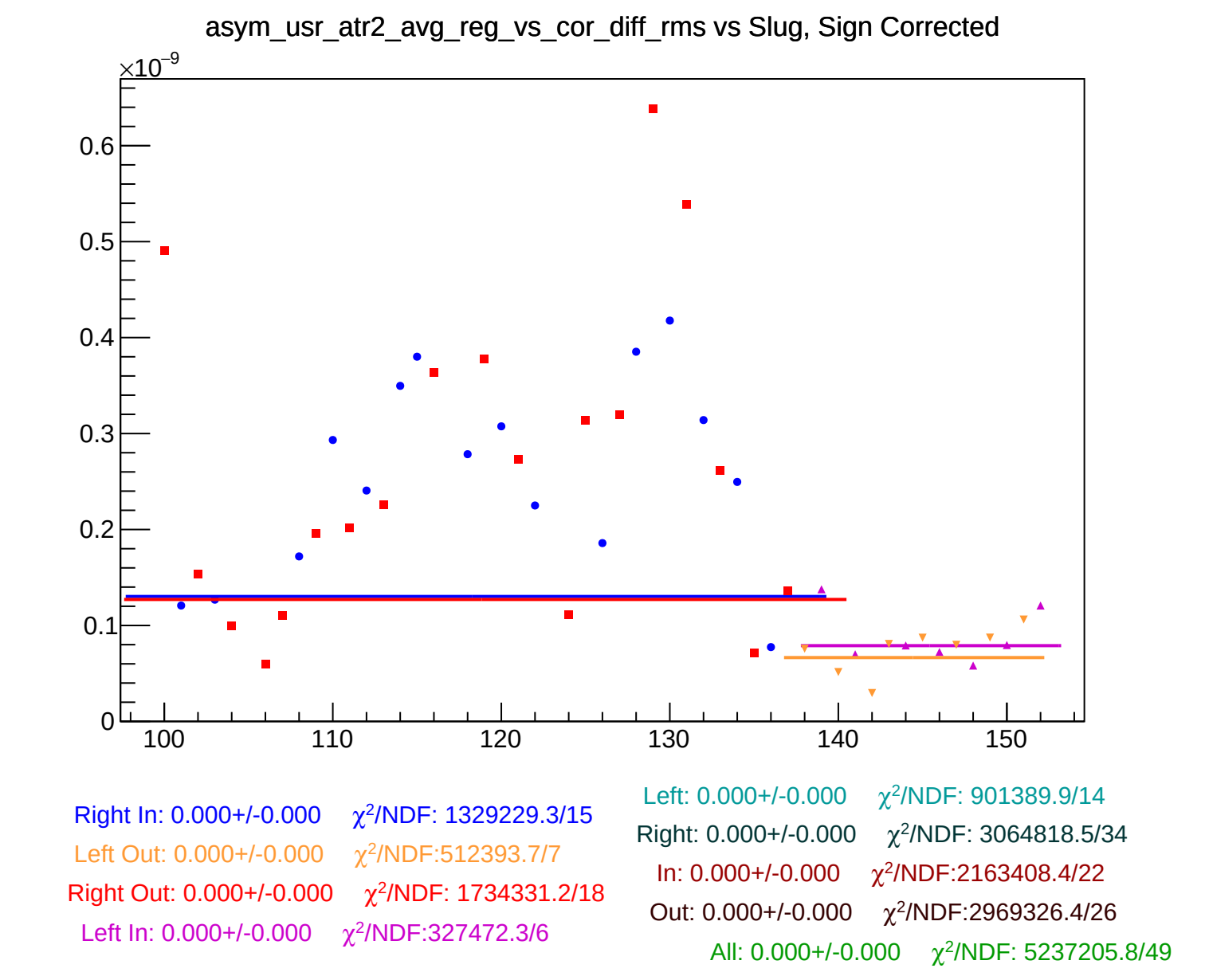
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:4.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/18
Left In: -0.000+/-0.000 χ²/NDF:9.6/6
Left: 0.000+/-0.000 χ²/NDF: 16.5/14
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:27.9/22
Out: 0.000+/-0.000 χ²/NDF:30.5/26
All: 0.000+/-0.000 χ²/NDF: 60.8/49


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
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110
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130
140
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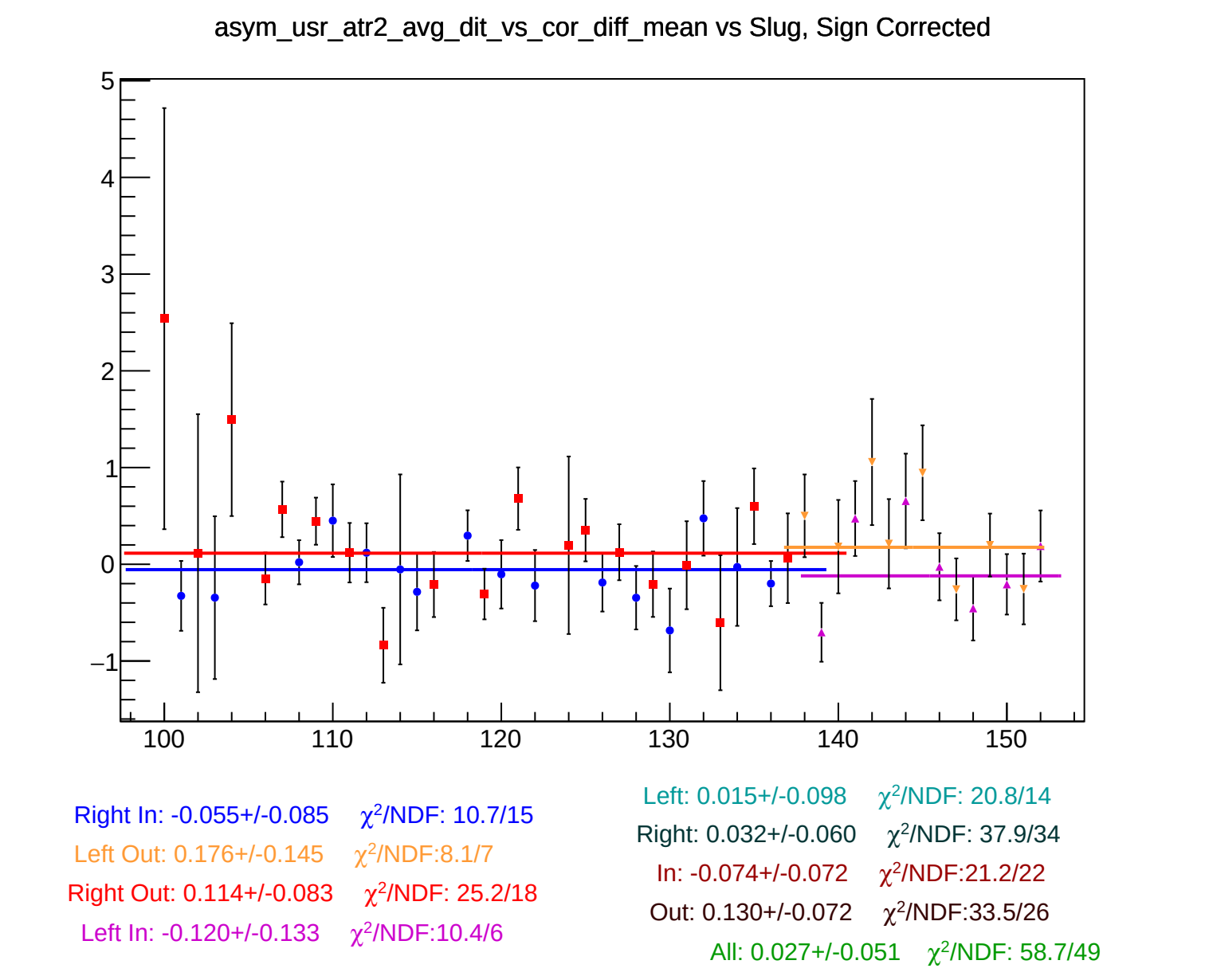
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:512393.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:327472.3/6
Left: 0.000+/-0.000 χ²/NDF: 901389.9/14
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2163408.4/22
Out: 0.000+/-0.000 χ²/NDF:2969326.4/26
All: 0.000+/-0.000 χ²/NDF: 5237205.8/49


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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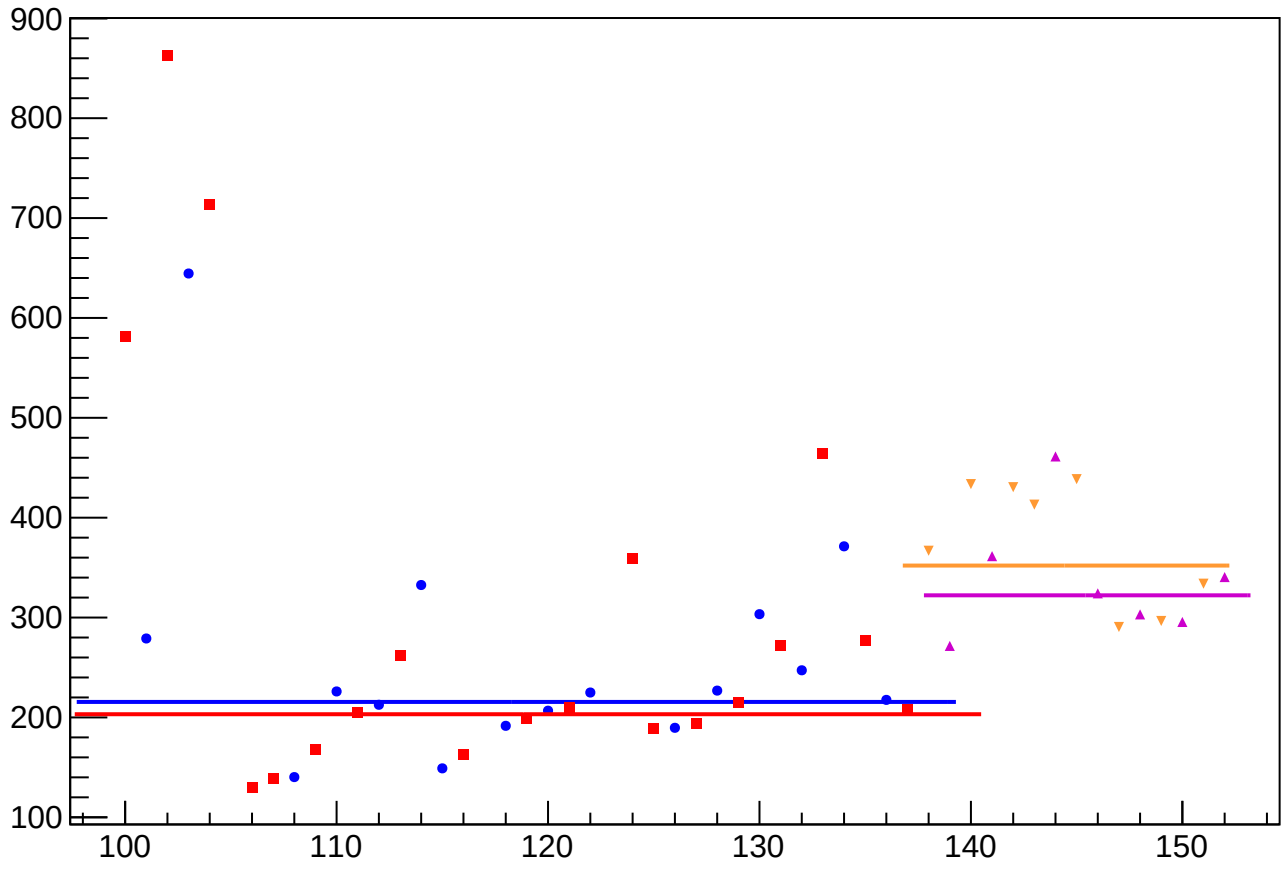
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.176+/-0.145 χ²/NDF:8.1/7
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.120+/-0.133 χ²/NDF:10.4/6
Left: 0.015+/-0.098 χ²/NDF: 20.8/14
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.074+/-0.072 χ²/NDF:21.2/22
Out: 0.130+/-0.072 χ²/NDF:33.5/26
All: 0.027+/-0.051 χ²/NDF: 58.7/49



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: 322.268+/-0.094 χ^2/NDF:263485.3/6

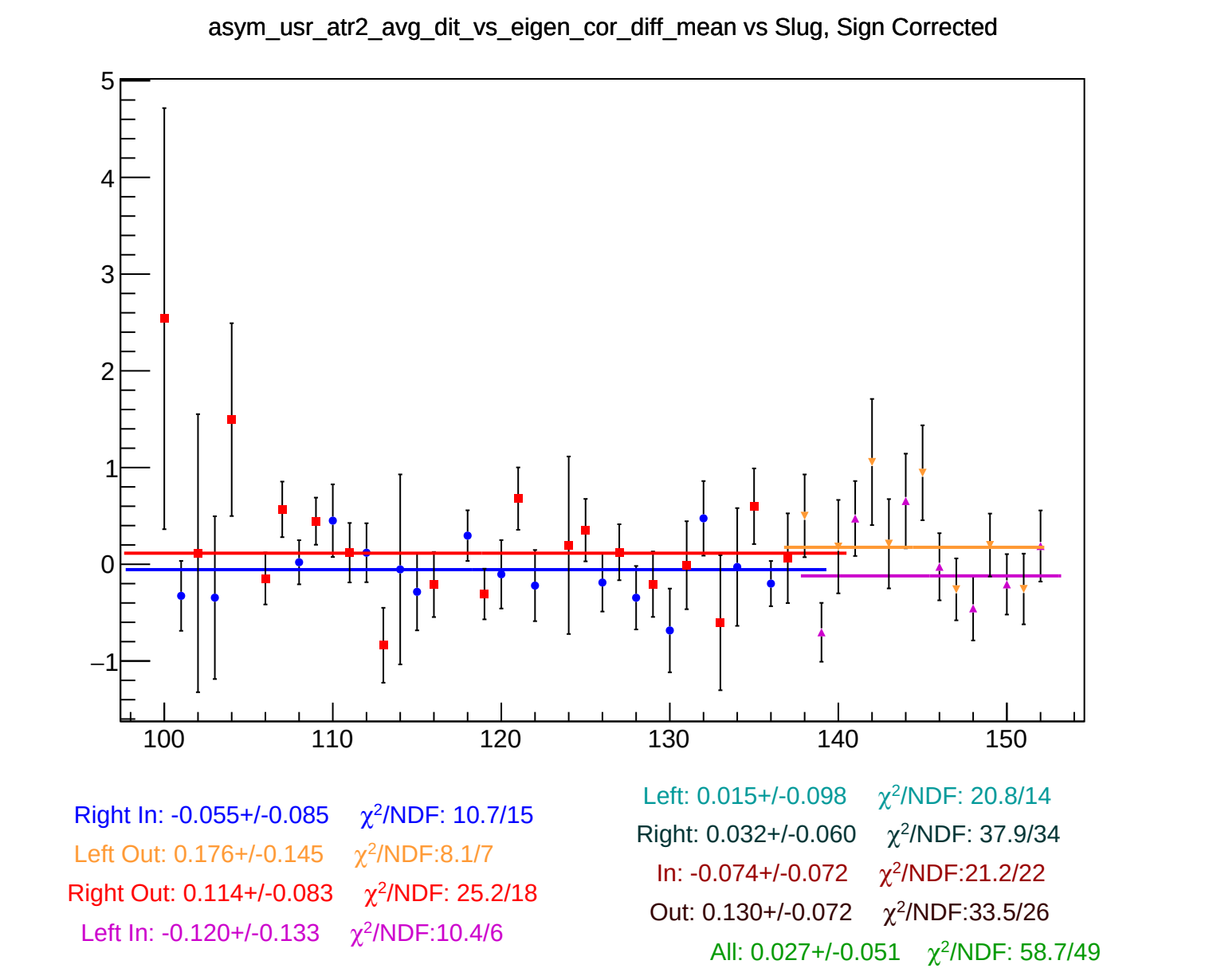
Left: 335.877+/-0.069 χ^2/NDF: 631867.6/14

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 246.768+/-0.051 χ^2/NDF:2325495.8/22

Out: 240.139+/-0.051 χ^2/NDF:3745699.4/26

All: 243.466+/-0.036 χ^2/NDF: 6079668.1/49


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
4
3
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1
0
−1
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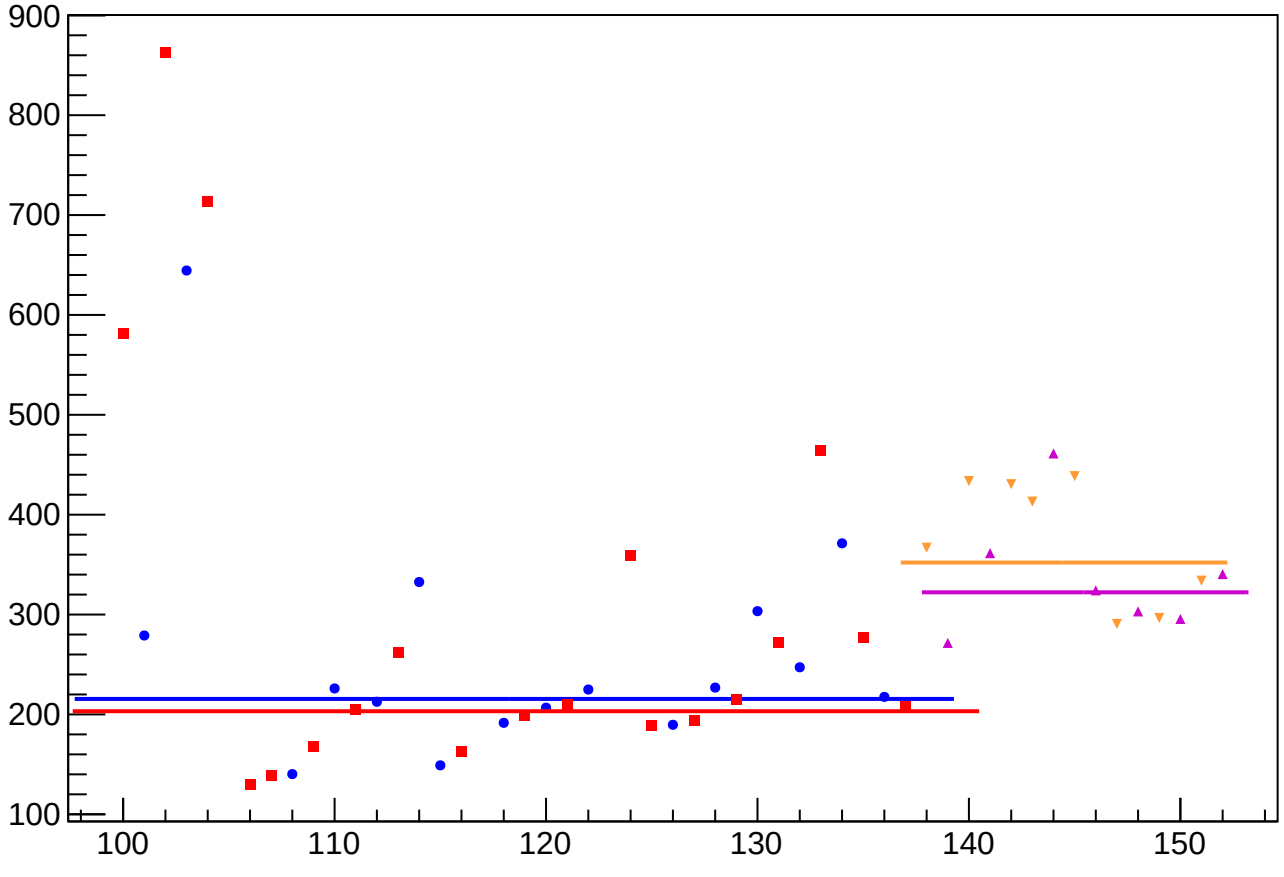
110
120
130
140
150
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.176+/-0.145 χ²/NDF:8.1/7
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.120+/-0.133 χ²/NDF:10.4/6
Left: 0.015+/-0.098 χ²/NDF: 20.8/14
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.074+/-0.072 χ²/NDF:21.2/22
Out: 0.130+/-0.072 χ²/NDF:33.5/26
All: 0.027+/-0.051 χ²/NDF: 58.7/49

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: 322.268+/-0.094 χ^2/NDF:263485.3/6

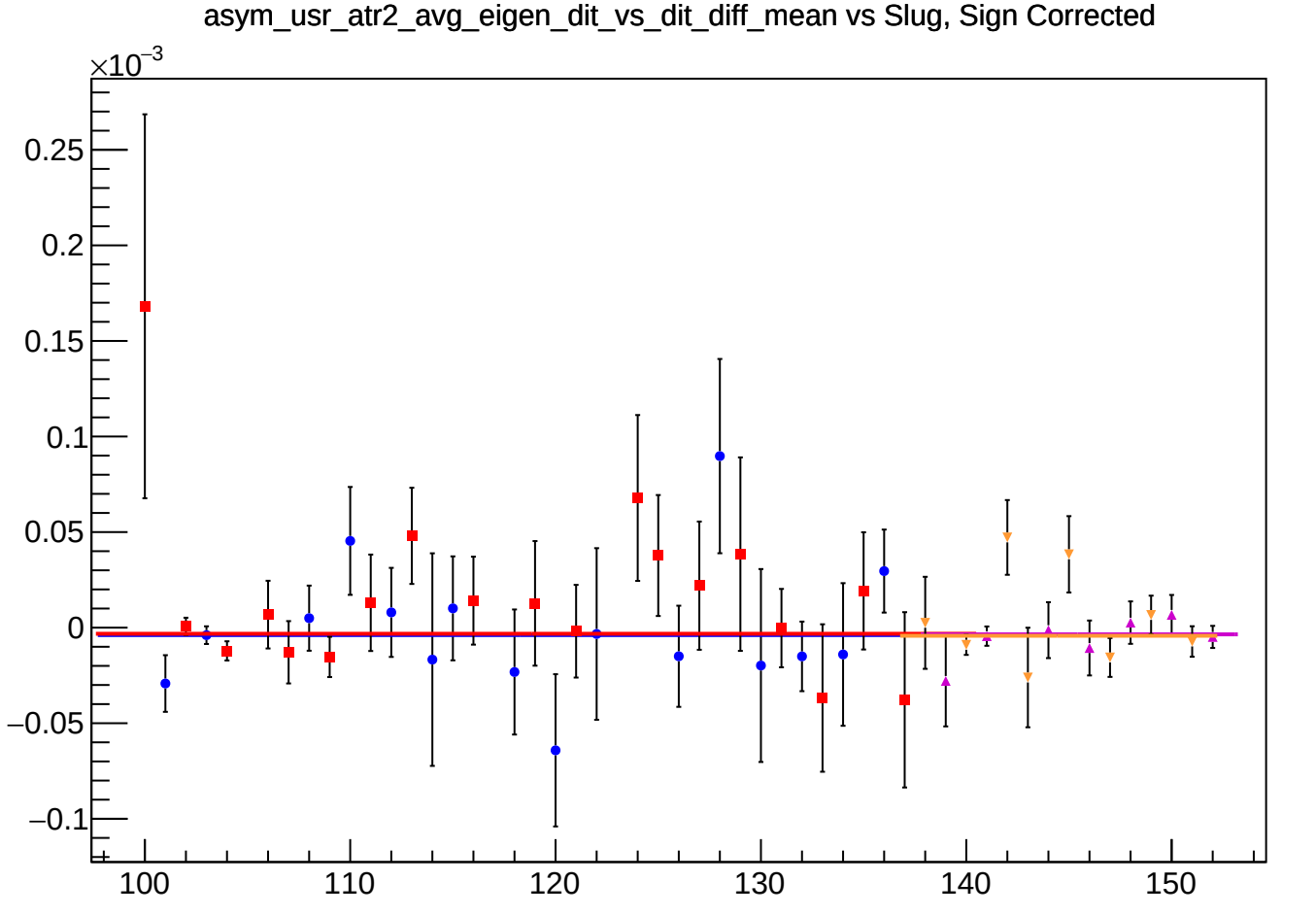
Left: 335.877+/-0.069 χ^2/NDF: 631867.6/14

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 246.768+/-0.051 χ^2/NDF:2325495.8/22

Out: 240.139+/-0.051 χ^2/NDF:3745699.4/26

All: 243.466+/-0.036 χ^2/NDF: 6079668.1/49


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
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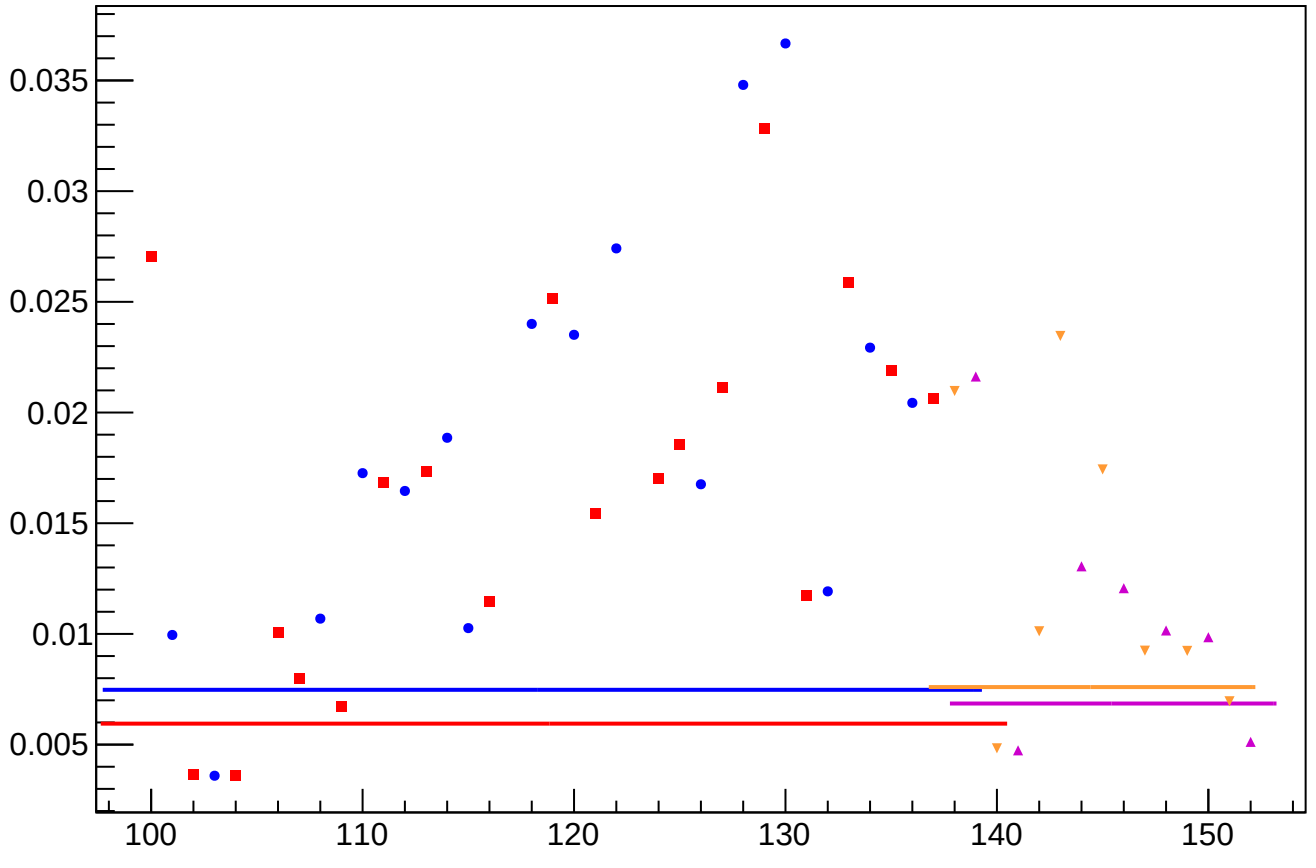
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:15.6/7
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:2.7/6
Left: -0.000+/-0.000 χ²/NDF: 18.3/14
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:18.6/22
Out: -0.000+/-0.000 χ²/NDF:37.3/26
All: -0.000+/-0.000 χ²/NDF: 55.9/49



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: 0.007+/-0.000 χ^2/NDF:2264543.2/6

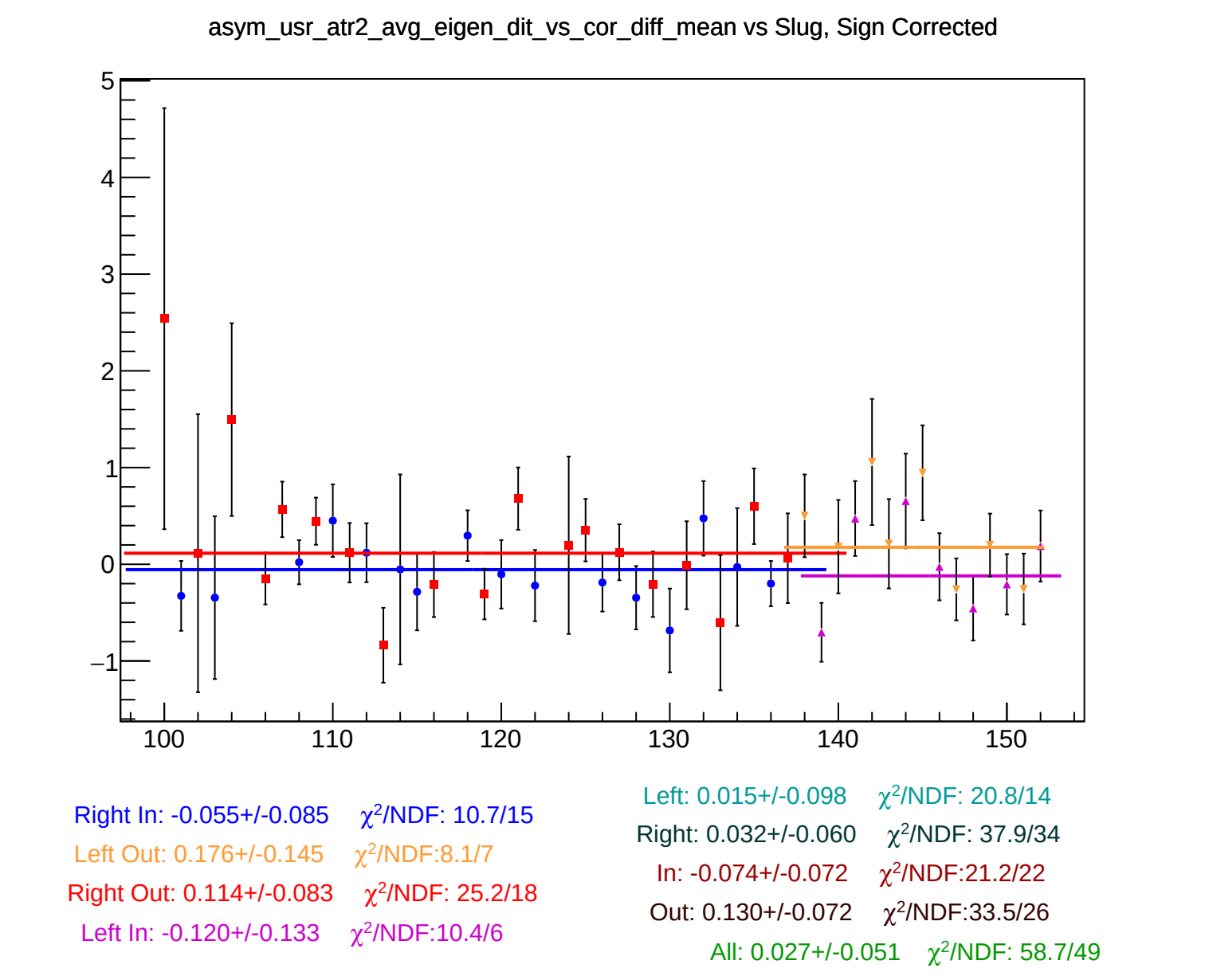
Left: 0.007+/-0.000 χ^2/NDF: 4858212.4/14

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.007+/-0.000 χ^2/NDF:8371949.0/22

Out: 0.007+/-0.000 χ^2/NDF:8739485.1/26

All: 0.007+/-0.000 χ^2/NDF: 17157934.2/49


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
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0
−1
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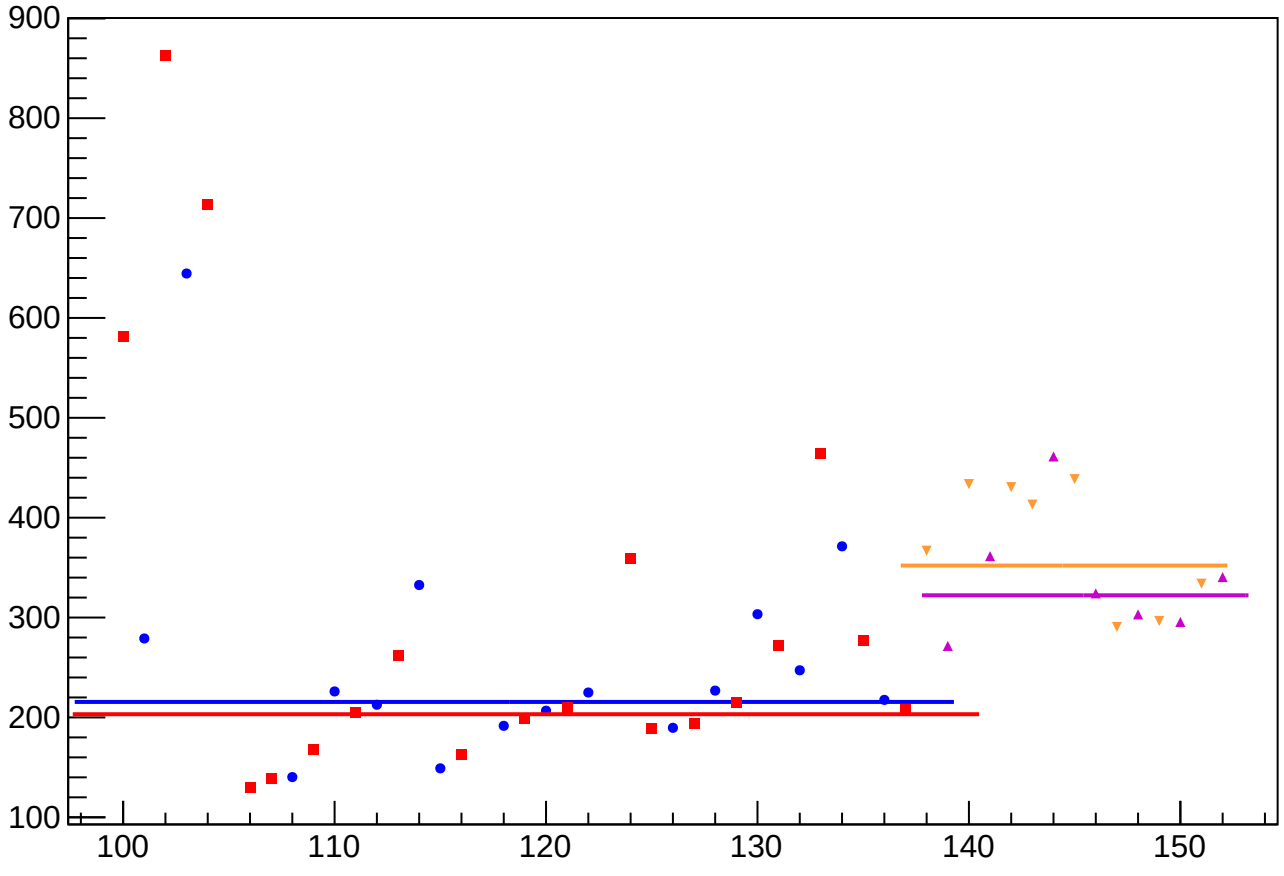
110
120
130
140
150
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.176+/-0.145 χ²/NDF:8.1/7
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.120+/-0.133 χ²/NDF:10.4/6
Left: 0.015+/-0.098 χ²/NDF: 20.8/14
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.074+/-0.072 χ²/NDF:21.2/22
Out: 0.130+/-0.072 χ²/NDF:33.5/26
All: 0.027+/-0.051 χ²/NDF: 58.7/49

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: 322.272+/-0.094 χ^2/NDF:263471.0/6

Left: 335.882+/-0.069 χ^2/NDF: 631842.9/14

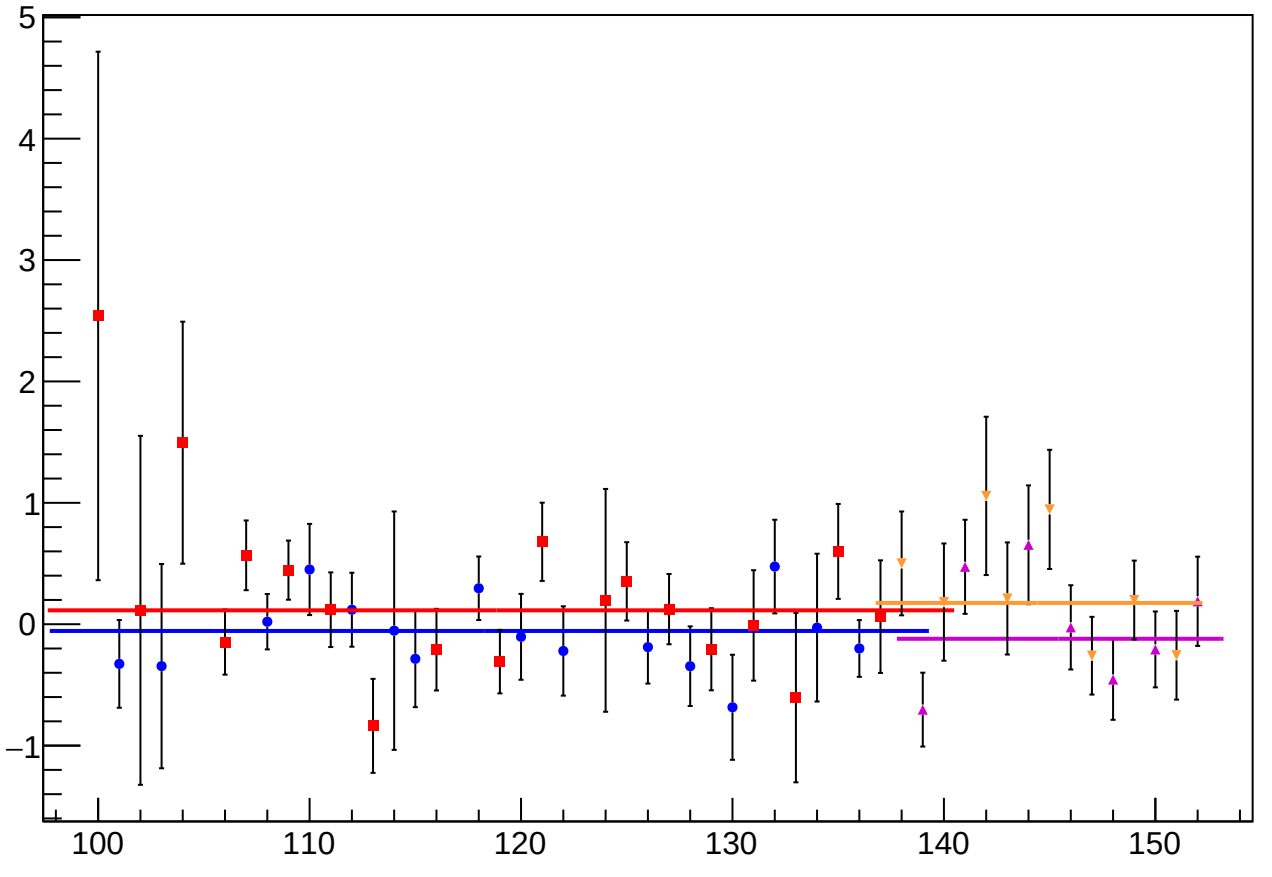
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 246.768+/-0.051 χ^2/NDF:2325540.1/22

Out: 240.138+/-0.051 χ^2/NDF:3745781.0/26

All: 243.466+/-0.036 χ^2/NDF: 6079795.7/49

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: -0.120+/-0.133 χ^2/NDF:10.4/6

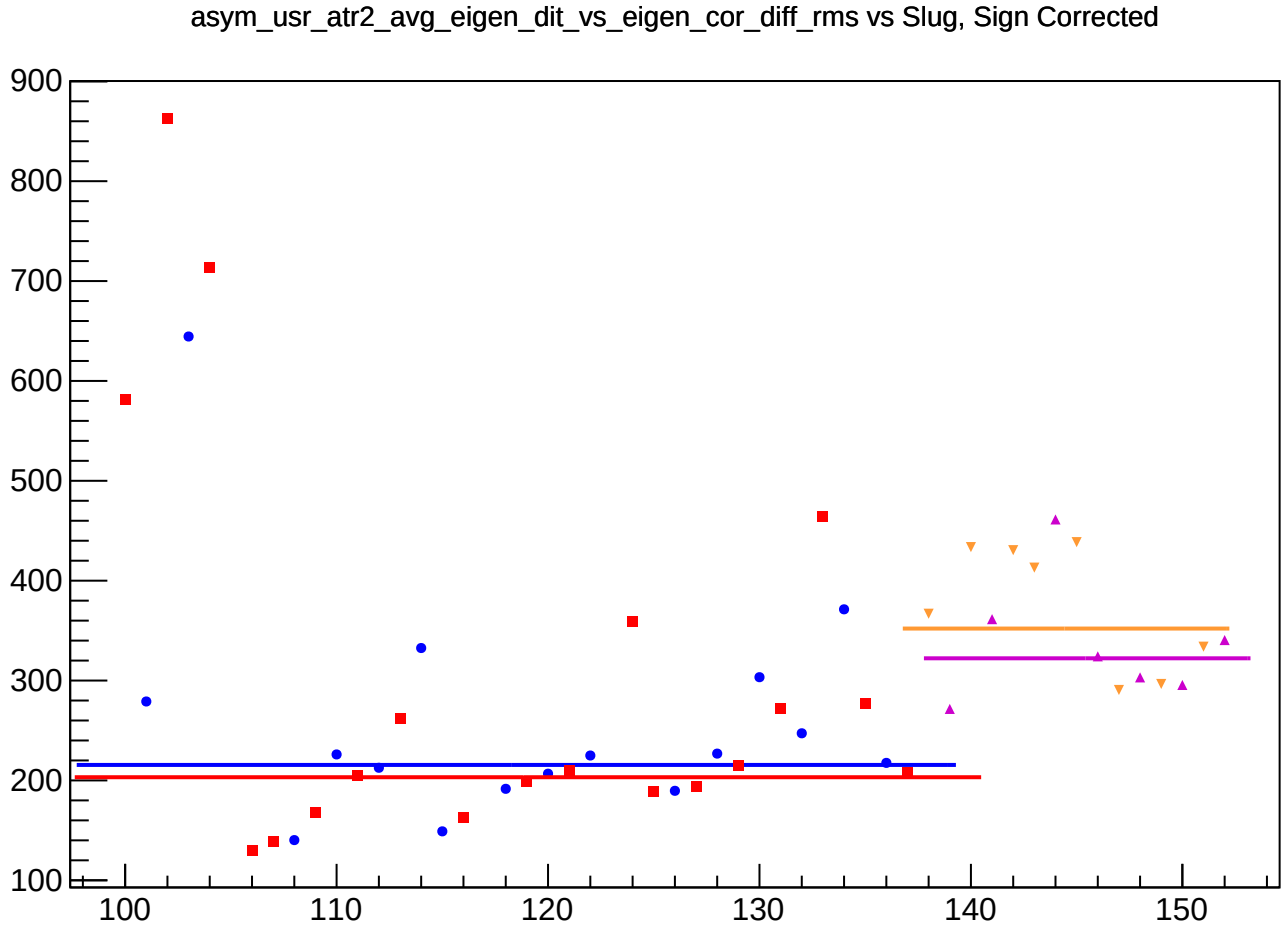
Left: 0.015+/-0.098 χ^2/NDF: 20.8/14

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.074+/-0.072 χ^2/NDF:21.2/22

Out: 0.130+/-0.072 χ^2/NDF:33.5/26

All: 0.027+/-0.051 χ^2/NDF: 58.7/49



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: 322.272+/-0.094 χ^2/NDF:263471.0/6

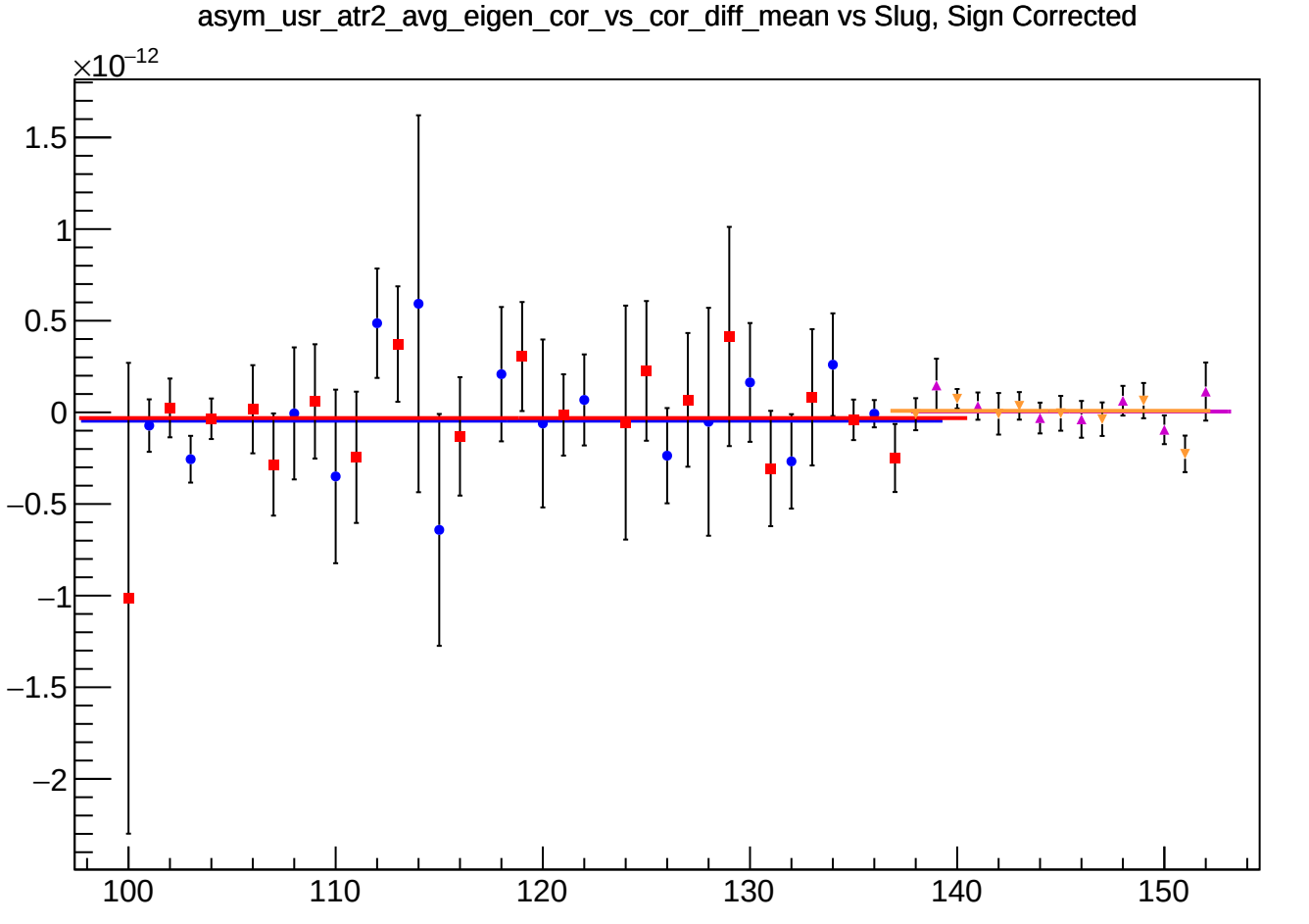
Left: 335.882+/-0.069 χ^2/NDF: 631842.9/14

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 246.768+/-0.051 χ^2/NDF:2325540.1/22

Out: 240.138+/-0.051 χ^2/NDF:3745781.0/26

All: 243.466+/-0.036 χ^2/NDF: 6079795.7/49



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:4.1/6

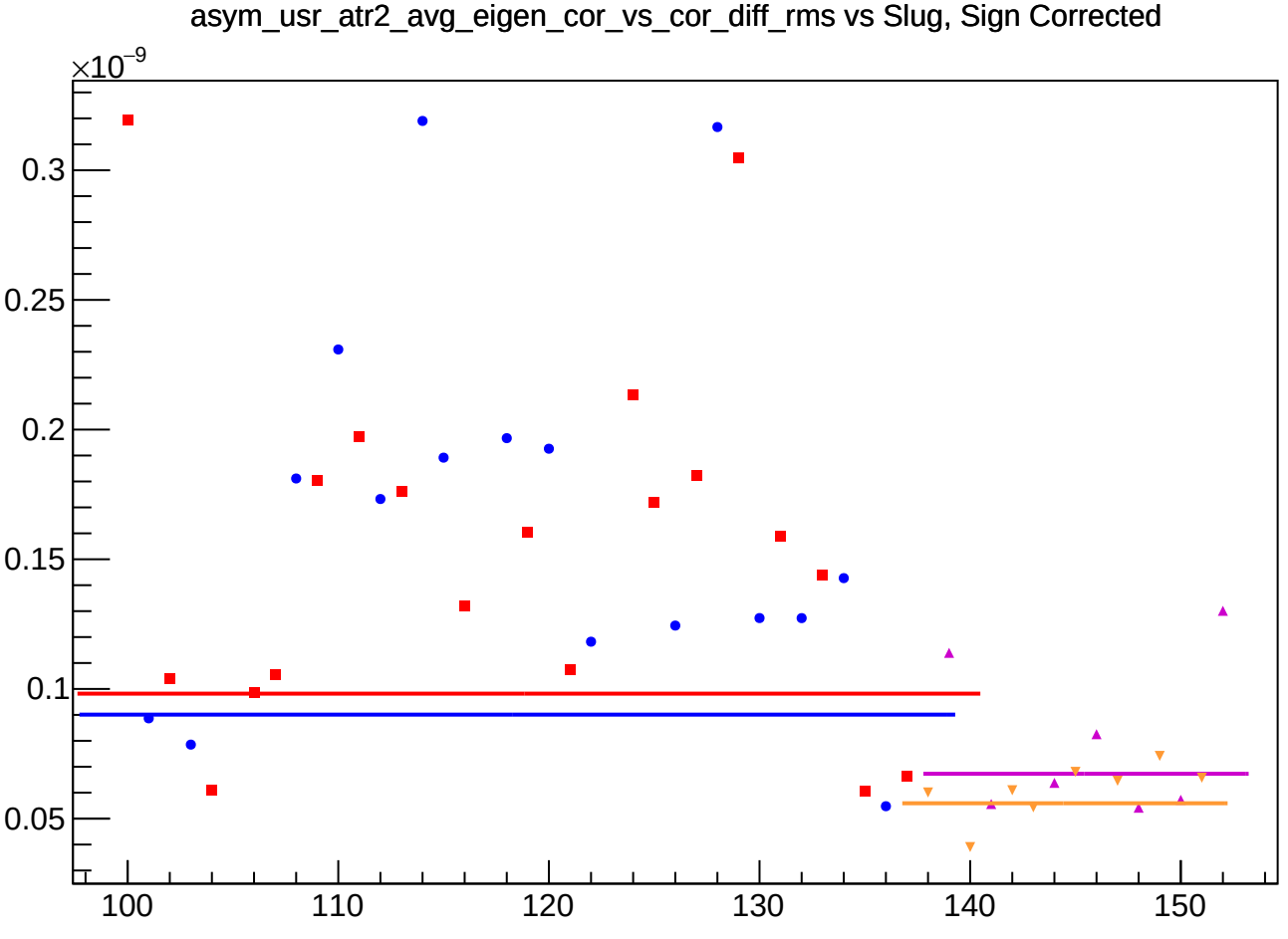
Left: 0.000+/-0.000 χ^2/NDF: 12.0/14

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:16.2/22

Out: -0.000+/-0.000 χ^2/NDF:16.7/26

All: -0.000+/-0.000 χ^2/NDF: 33.0/49



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:702789.9/6

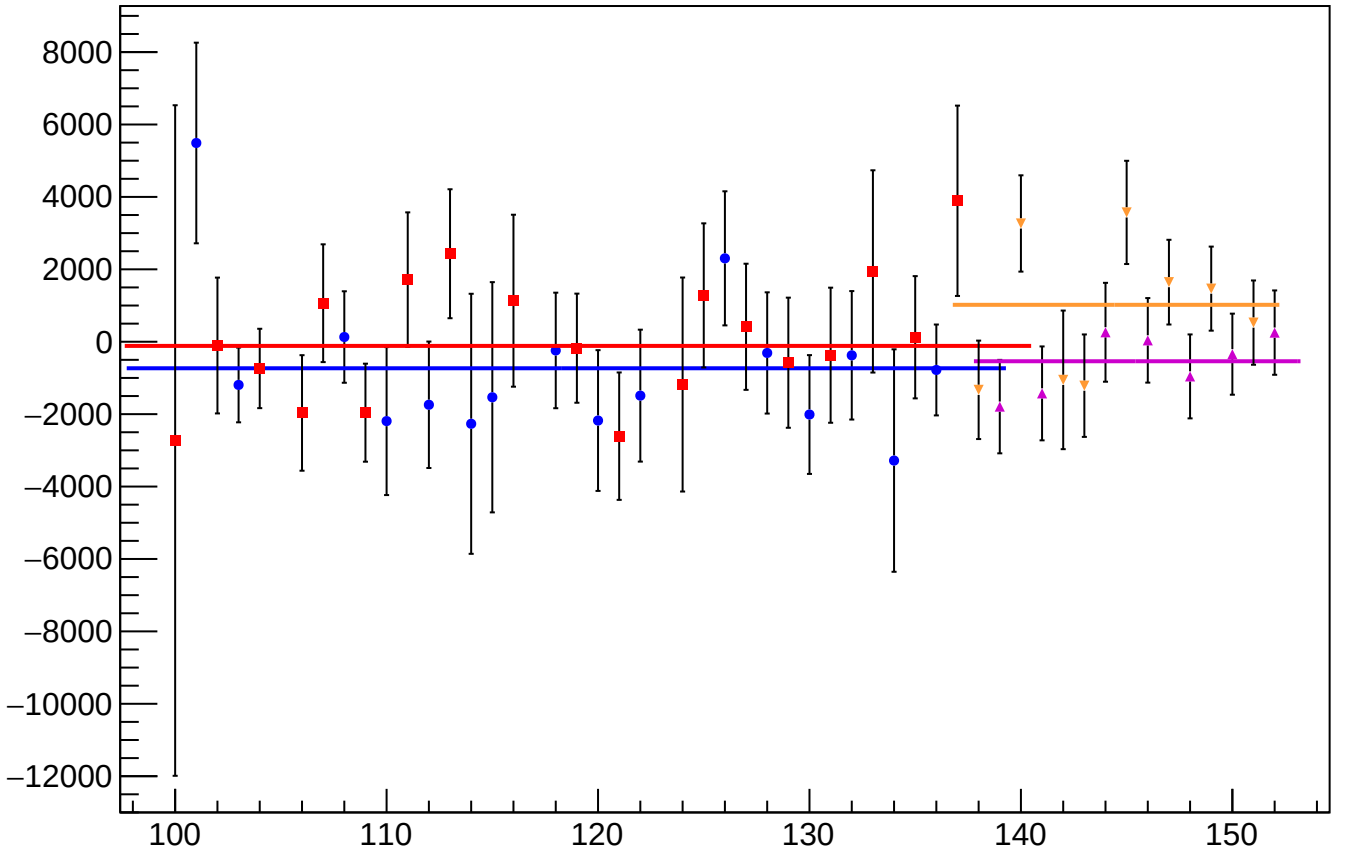
Left: 0.000+/-0.000 χ^2/NDF: 1182272.0/14

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:2791155.0/22

Out: 0.000+/-0.000 χ^2/NDF:3052683.2/26

All: 0.000+/-0.000 χ^2/NDF: 5948947.1/49



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 1019.727+/-467.185 χ^2/NDF:13.3/7

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -538.987+/-459.160 χ^2/NDF:2.6/6

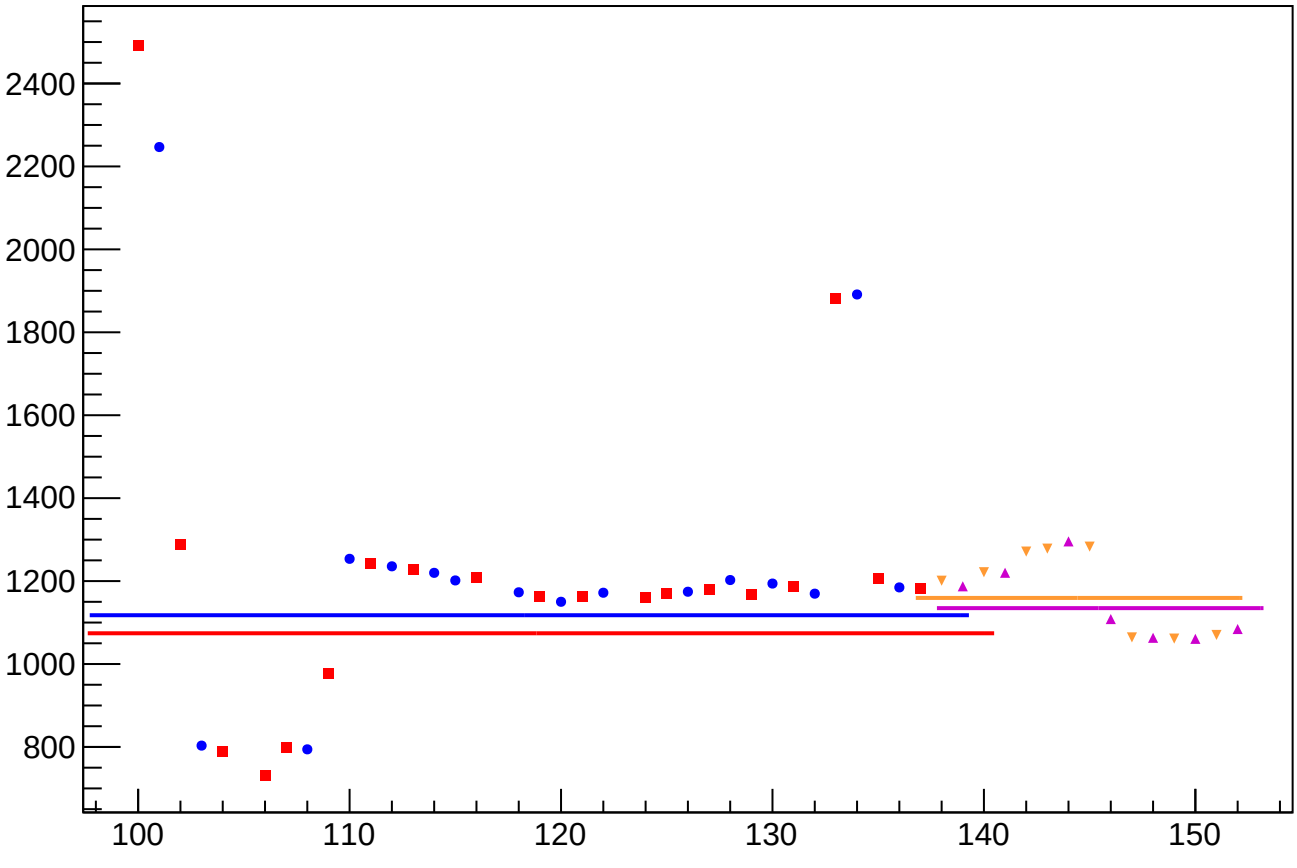
Left: 226.869+/-327.476 χ^2/NDF: 21.6/14

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -642.803+/-312.837 χ^2/NDF:14.4/22

Out: 380.632+/-308.768 χ^2/NDF:29.8/26

All: -124.386+/-219.757 χ^2/NDF: 49.6/49



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: 1134.776+/-0.325 χ^2/NDF:60888.0/6

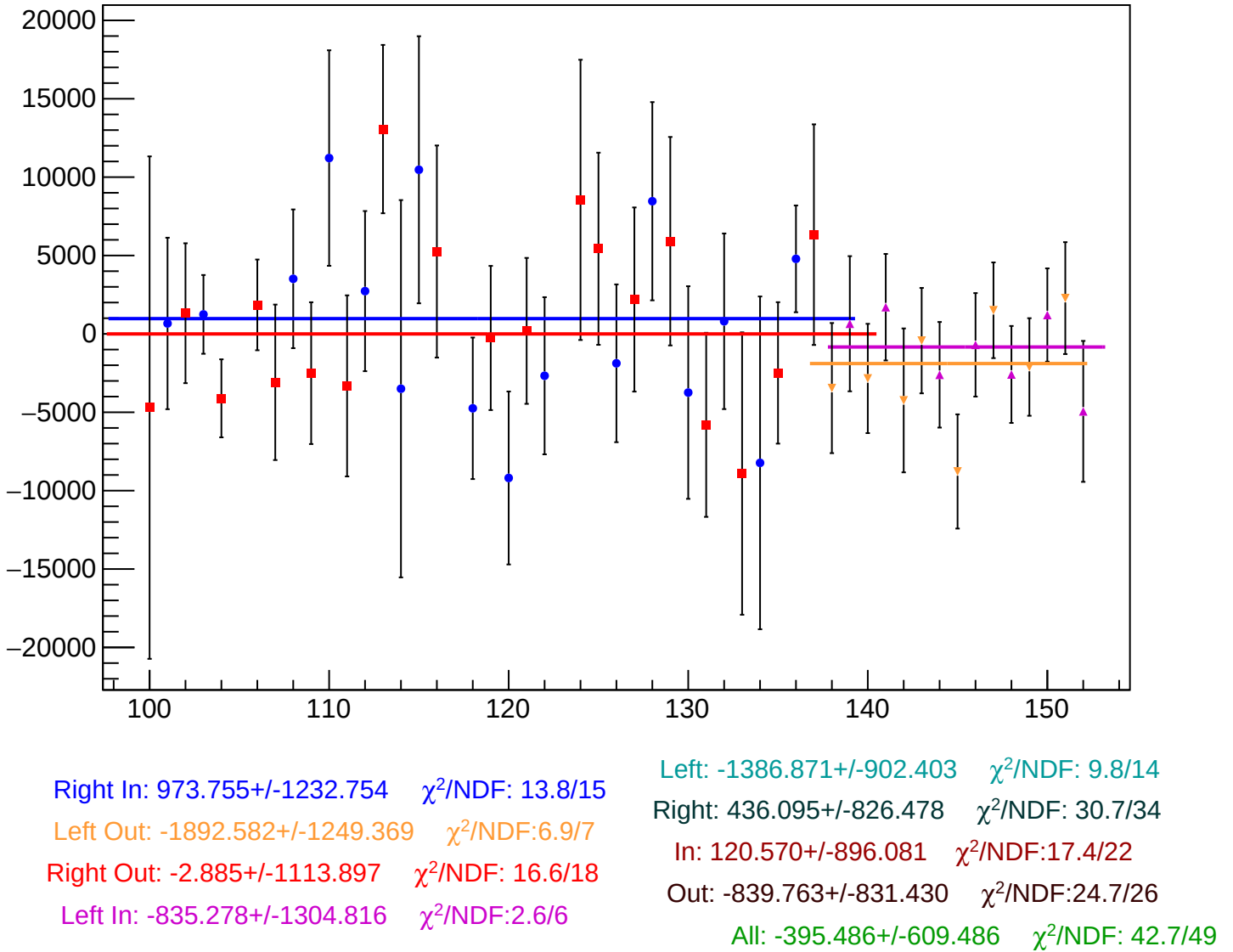
Left: 1146.872+/-0.232 χ^2/NDF: 145194.7/14

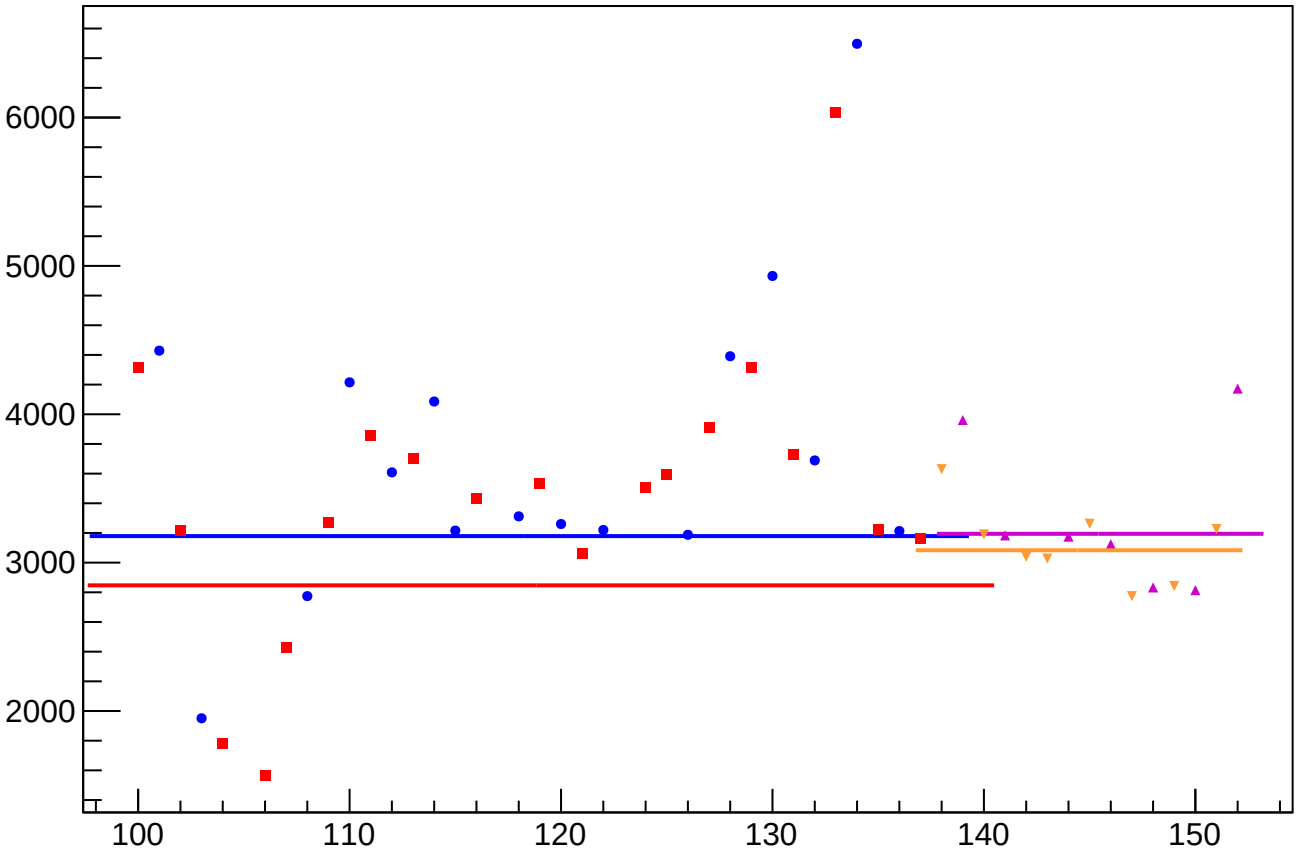
Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1125.618+/-0.221 χ^2/NDF:882208.0/22

Out: 1111.036+/-0.217 χ^2/NDF:768765.8/26

All: 1118.197+/-0.155 χ^2/NDF: 1653185.0/49


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: -835.278+/-1304.816 χ²/NDF:2.6/6
Left: -1386.871+/-902.403 χ²/NDF: 9.8/14
Right: 436.095+/-826.478 χ²/NDF: 30.7/34
In: 120.570+/-896.081 χ²/NDF:17.4/22
Out: -839.763+/-831.430 χ²/NDF:24.7/26
All: -395.486+/-609.486 χ²/NDF: 42.7/49



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: 3194.342+/-0.923 χ^2/NDF:218934.6/6

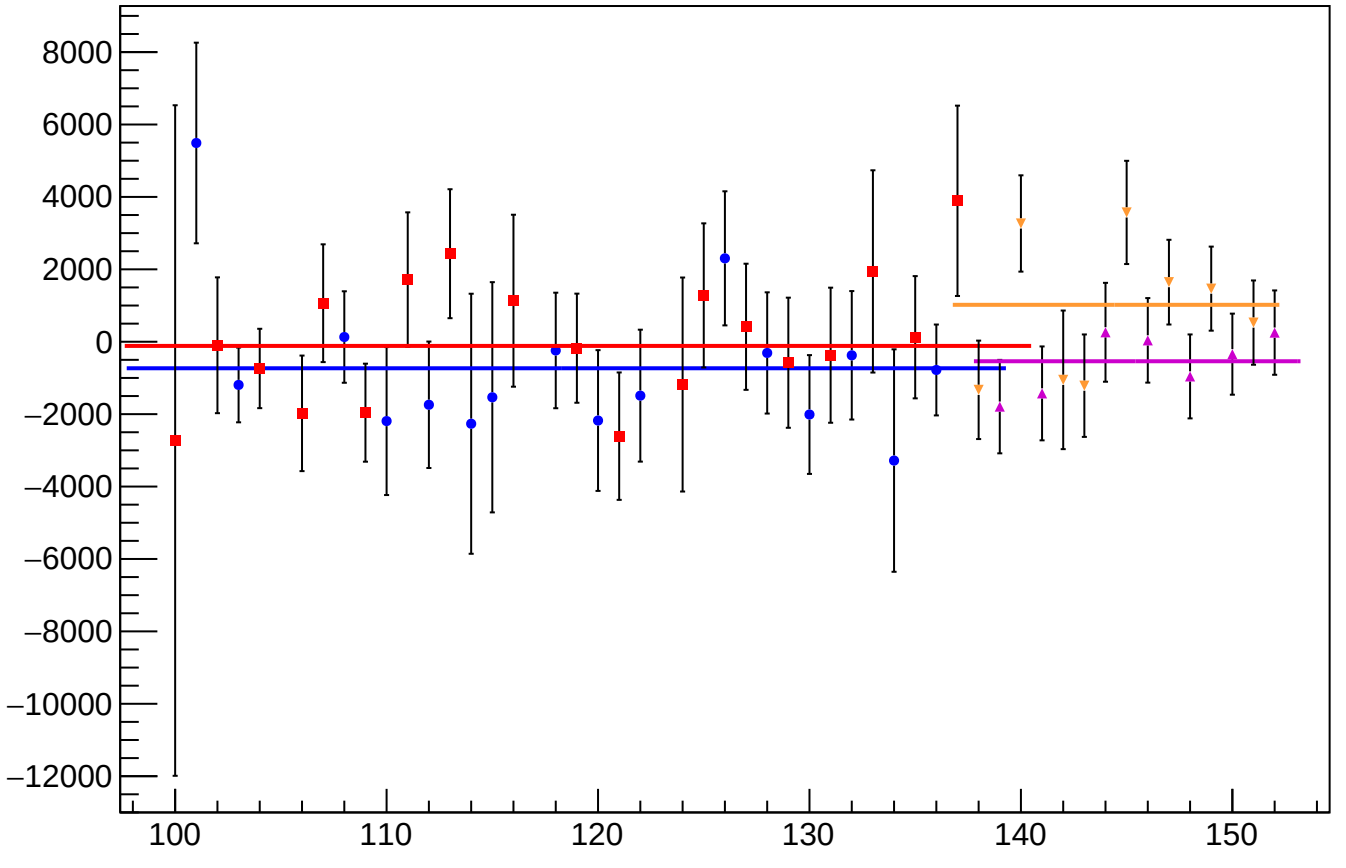
Left: 3136.492+/-0.638 χ^2/NDF: 304297.9/14

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3186.167+/-0.634 χ^2/NDF:1310760.1/22

Out: 2951.726+/-0.588 χ^2/NDF:1628895.3/26

All: 3060.185+/-0.431 χ^2/NDF: 3013221.4/49



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1019.777+/-467.185 χ^2/NDF:13.3/7

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -538.984+/-459.160 χ^2/NDF:2.6/6

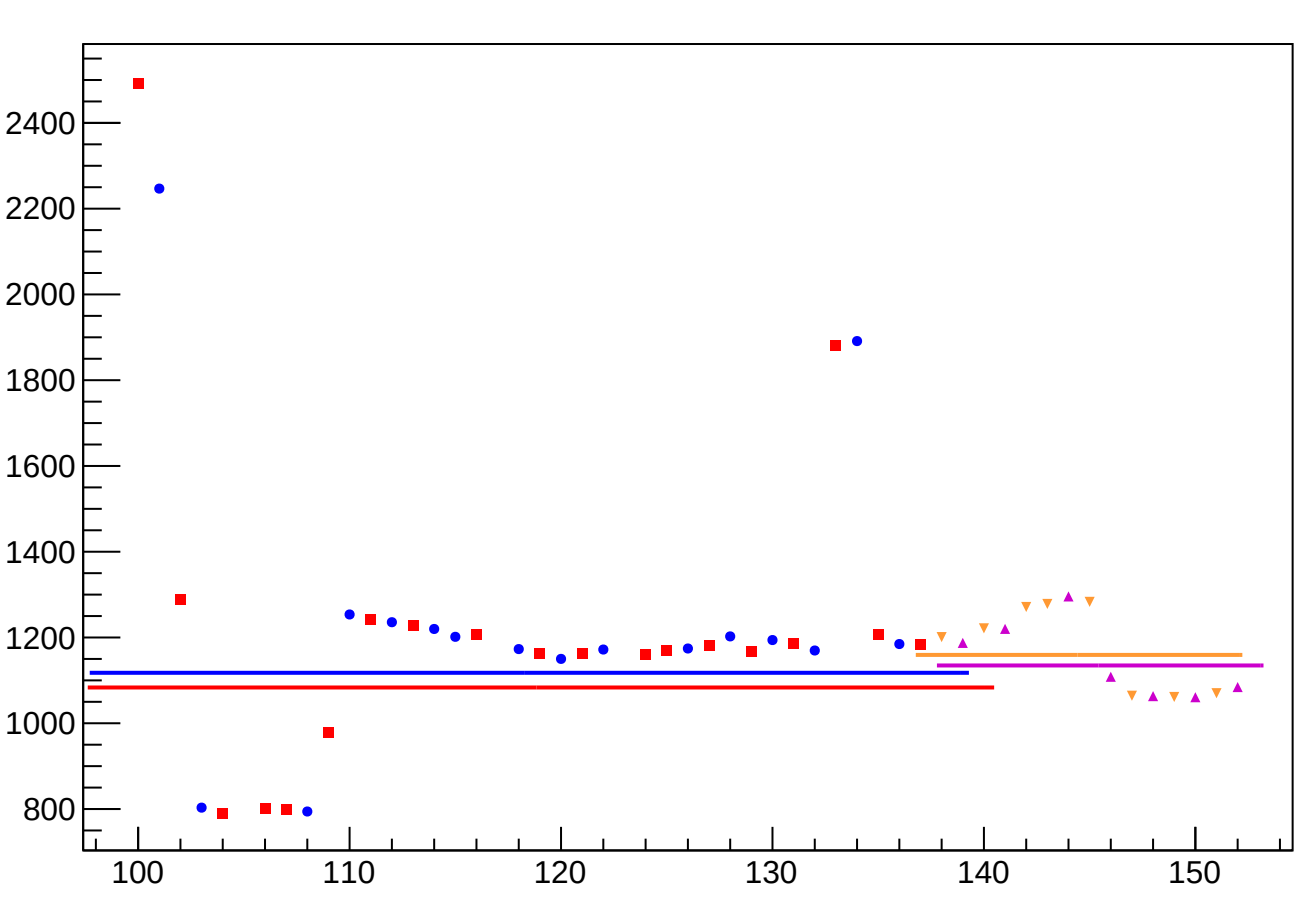
Left: 226.895+/-327.476 χ^2/NDF: 21.6/14

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -642.767+/-312.837 χ^2/NDF:14.4/22

Out: 380.510+/-308.770 χ^2/NDF:29.8/26

All: -124.433+/-219.757 χ^2/NDF: 49.6/49



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: 1134.776+/-0.325 χ^2/NDF:60888.0/6

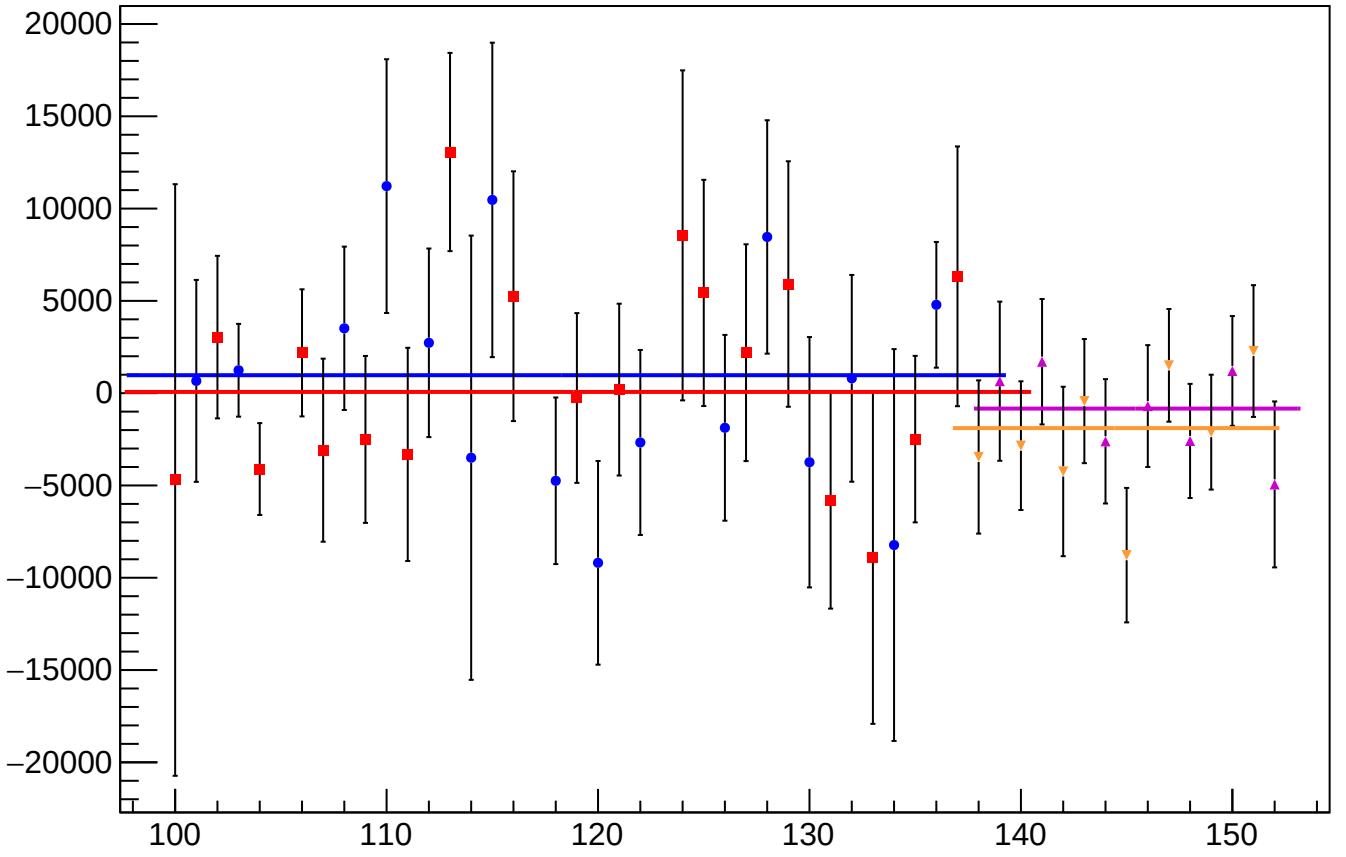
Left: 1146.872+/-0.232 χ^2/NDF: 145194.7/14

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1125.618+/-0.221 χ^2/NDF:882204.5/22

Out: 1116.535+/-0.218 χ^2/NDF:706336.4/26

All: 1121.012+/-0.155 χ^2/NDF: 1589395.7/49



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: -835.280+/-1304.815 χ^2/NDF:2.6/6

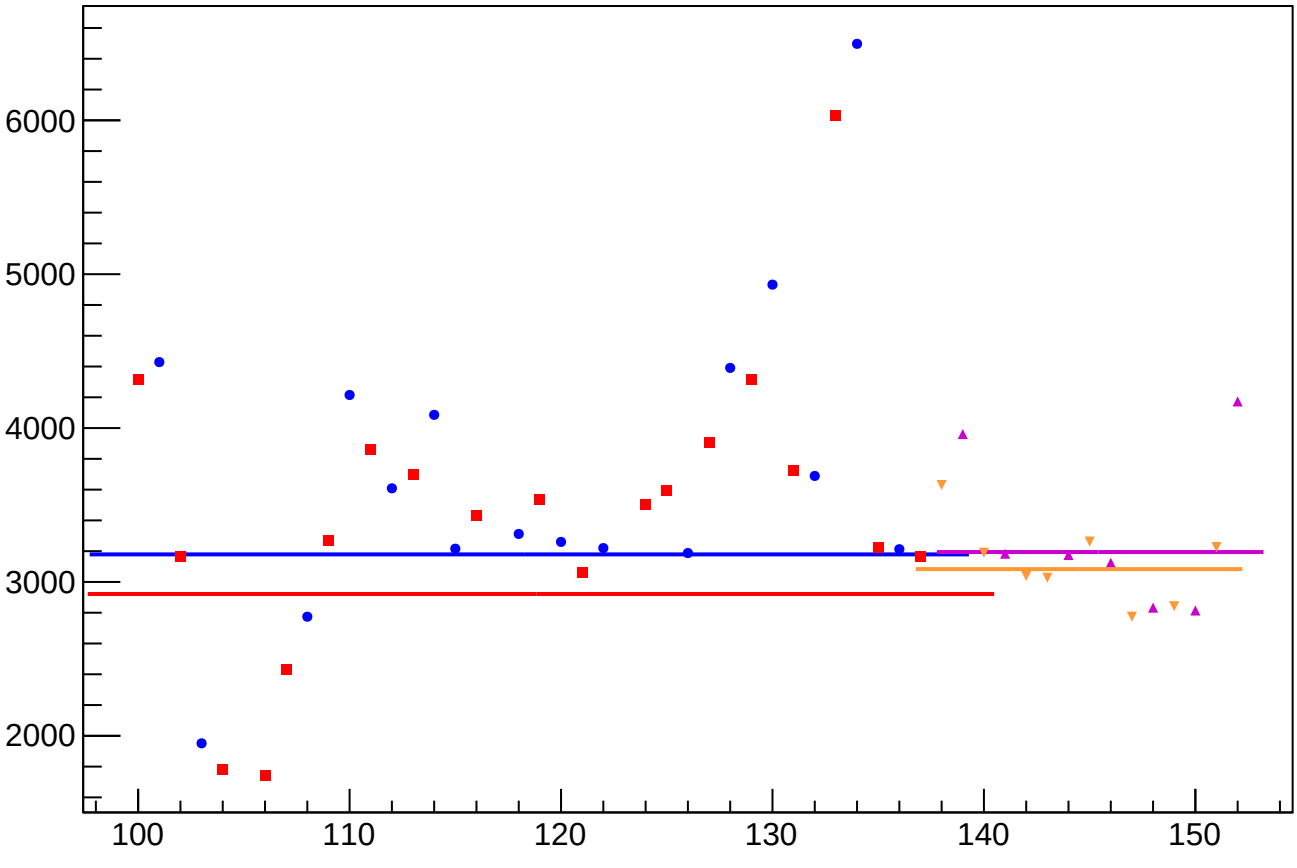
Left: -1386.870+/-902.402 χ^2/NDF: 9.8/14

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 120.269+/-896.100 χ^2/NDF:17.4/22

Out: -821.422+/-841.266 χ^2/NDF:25.1/26

All: -380.268+/-613.335 χ^2/NDF: 43.1/49



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: 3194.341+/-0.923 χ^2/NDF:218936.4/6

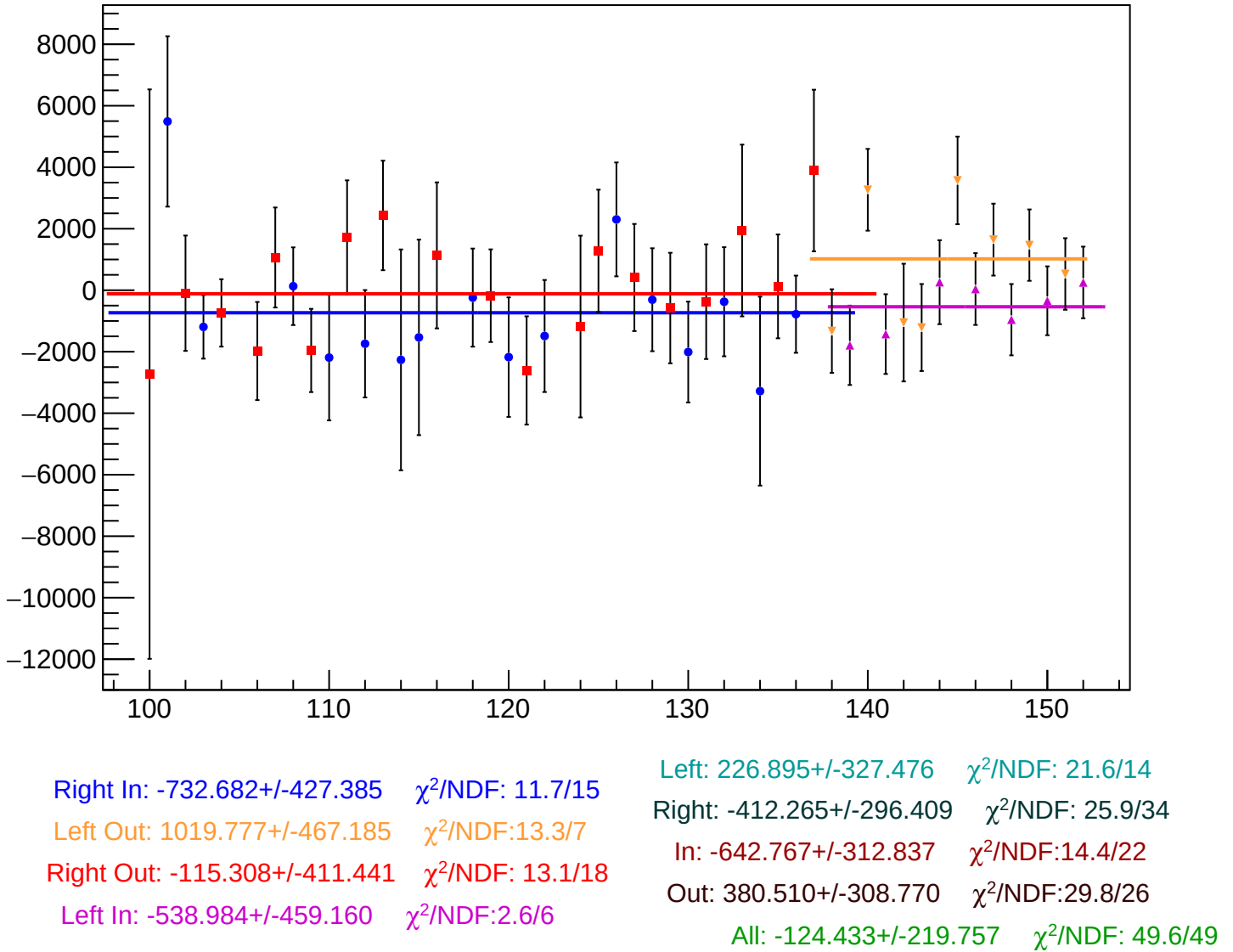
Left: 3136.489+/-0.638 χ^2/NDF: 304300.6/14

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3186.264+/-0.634 χ^2/NDF:1310318.0/22

Out: 2995.006+/-0.595 χ^2/NDF:1409054.6/26

All: 3084.604+/-0.434 χ^2/NDF: 2767799.3/49


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
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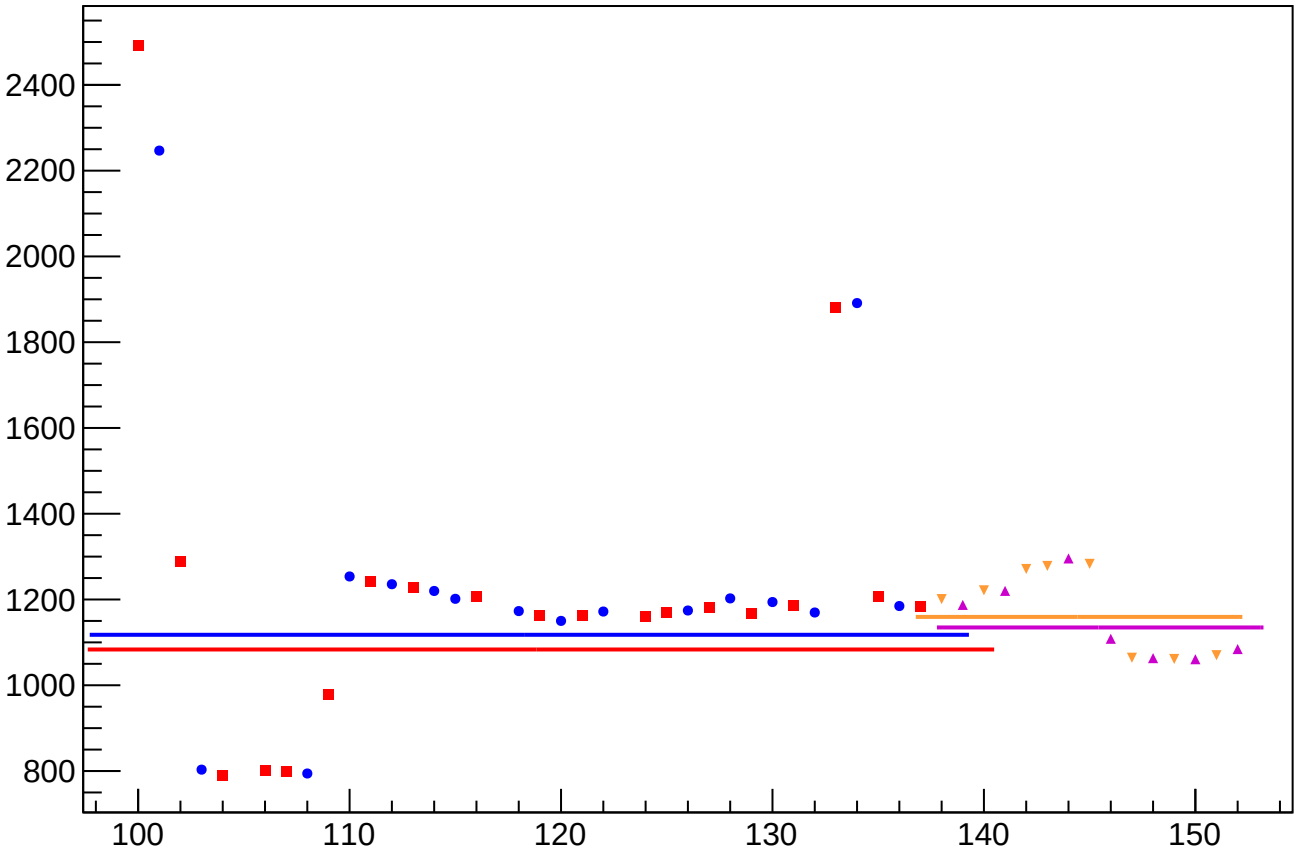
140
150
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 1019.777+/-467.185 χ²/NDF:13.3/7
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -538.984+/-459.160 χ²/NDF:2.6/6
Left: 226.895+/-327.476 χ²/NDF: 21.6/14
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -642.767+/-312.837 χ²/NDF:14.4/22
Out: 380.510+/-308.770 χ²/NDF:29.8/26
All: -124.433+/-219.757 χ²/NDF: 49.6/49



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: 1134.776+/-0.325 χ^2/NDF:60888.0/6

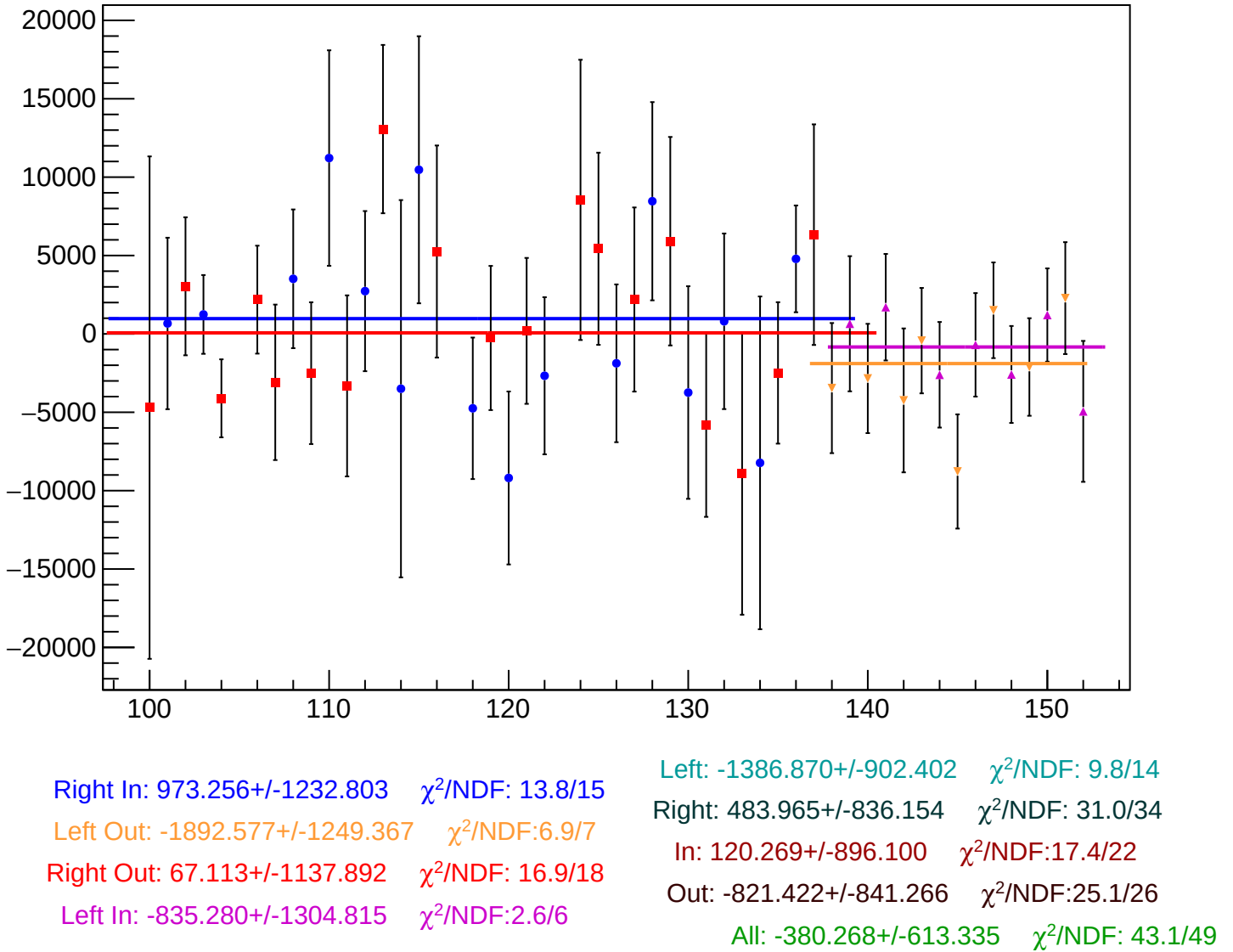
Left: 1146.872+/-0.232 χ^2/NDF: 145194.7/14

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1125.618+/-0.221 χ^2/NDF:882204.5/22

Out: 1116.535+/-0.218 χ^2/NDF:706336.4/26

All: 1121.012+/-0.155 χ^2/NDF: 1589395.7/49


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
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−5000
−10000
−15000
−20000
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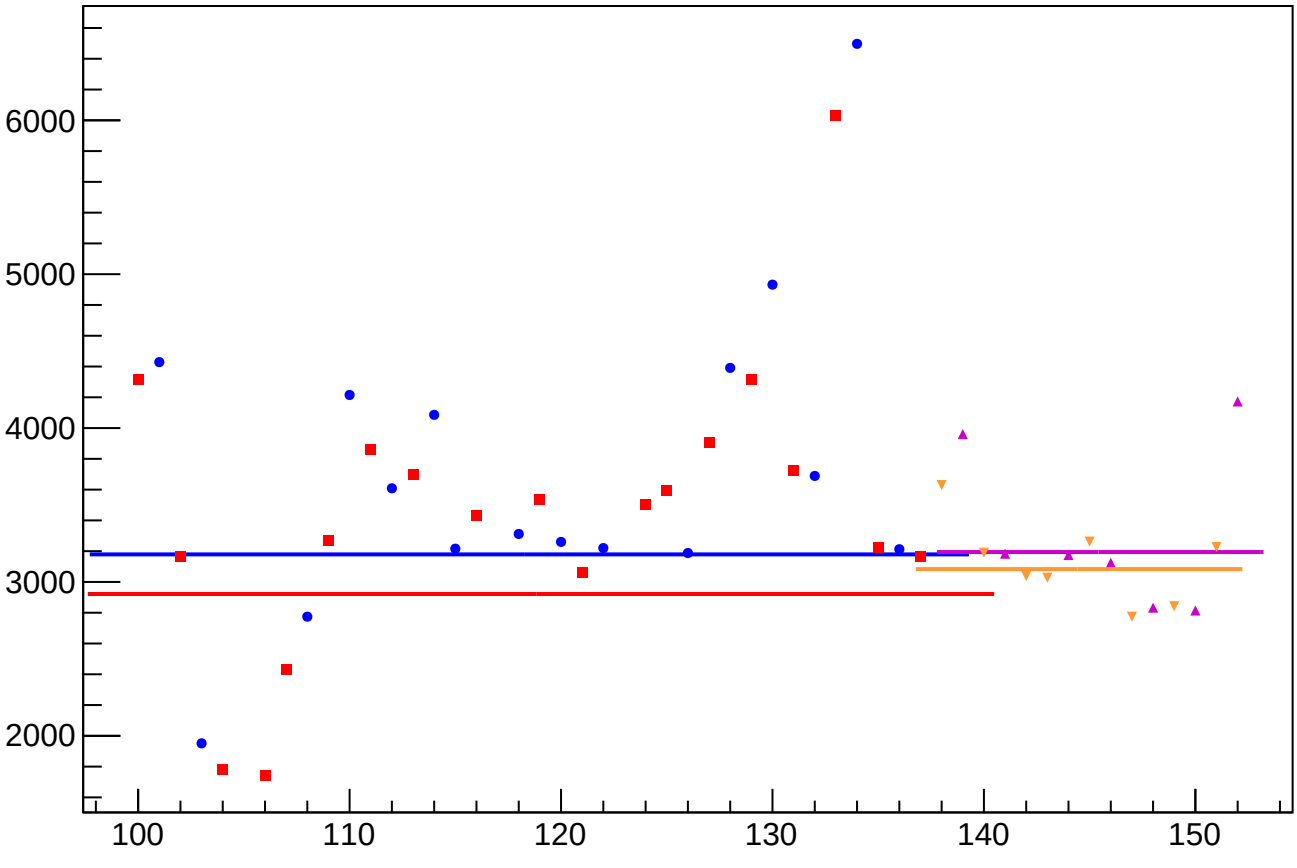
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: -1892.577+/-1249.367 χ²/NDF:6.9/7
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -835.280+/-1304.815 χ²/NDF:2.6/6
Left: -1386.870+/-902.402 χ²/NDF: 9.8/14
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: 120.269+/-896.100 χ²/NDF:17.4/22
Out: -821.422+/-841.266 χ²/NDF:25.1/26
All: -380.268+/-613.335 χ²/NDF: 43.1/49



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: 3194.341+/-0.923 χ^2/NDF:218936.4/6

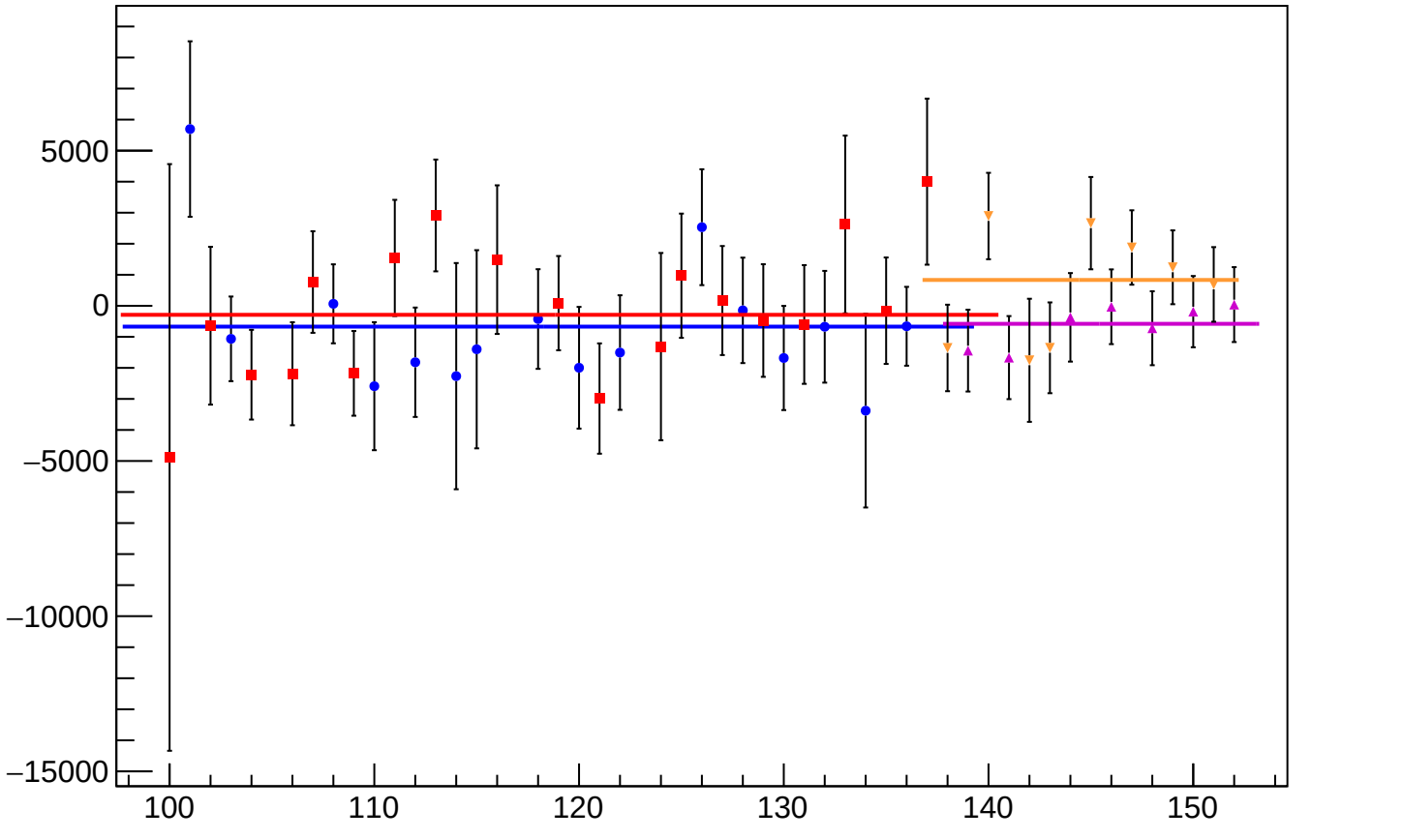
Left: 3136.489+/-0.638 χ^2/NDF: 304300.6/14

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3186.264+/-0.634 χ^2/NDF:1310318.0/22

Out: 2995.006+/-0.595 χ^2/NDF:1409054.6/26

All: 3084.604+/-0.434 χ^2/NDF: 2767799.3/49



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: -580.266+/-473.261 χ^2/NDF:1.7/6

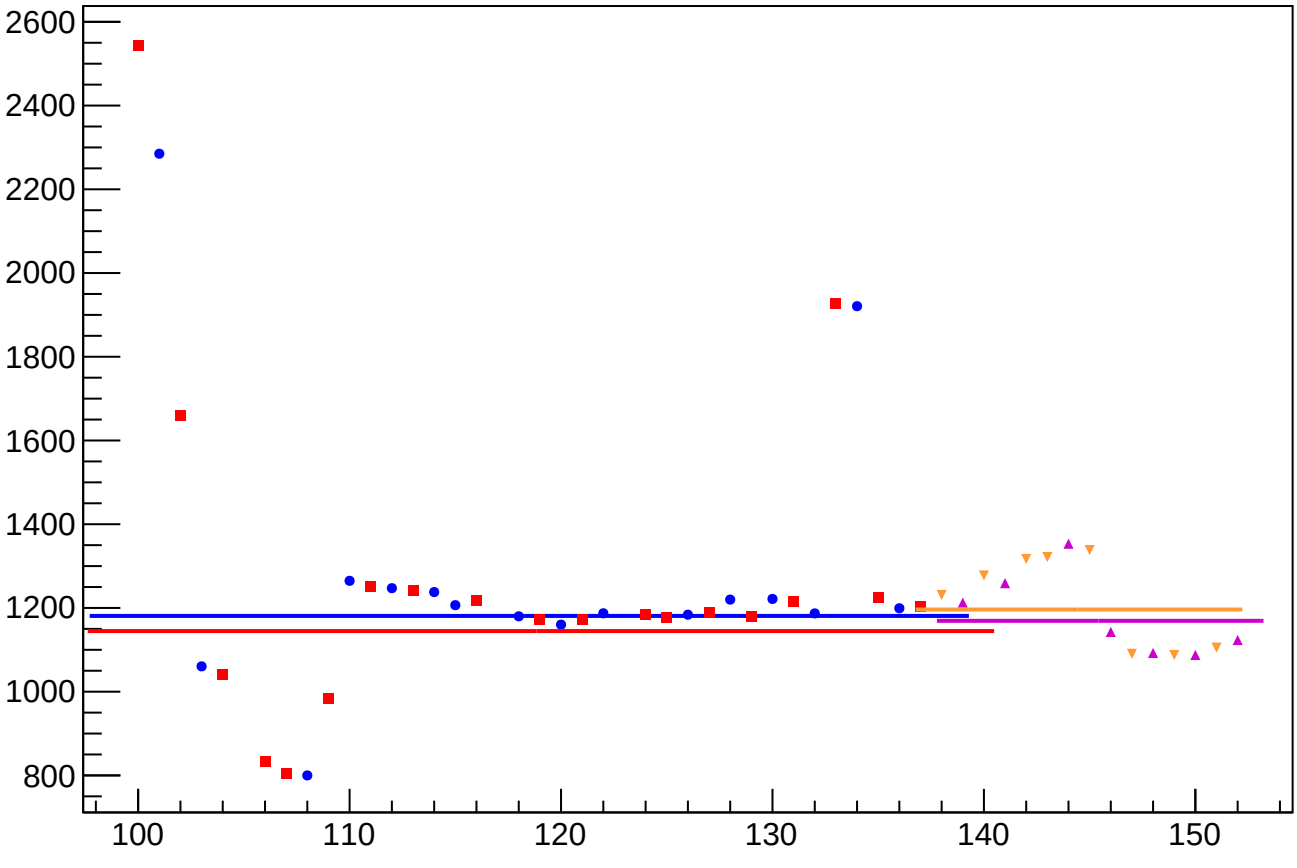
Left: 112.971+/-337.790 χ^2/NDF: 17.1/14

Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -627.973+/-325.539 χ^2/NDF:13.6/22

Out: 212.810+/-322.781 χ^2/NDF:30.9/26

All: -204.005+/-229.210 χ^2/NDF: 47.9/49



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: 1169.269+/-0.335 χ^2/NDF:66794.8/6

Left: 1182.500+/-0.239 χ^2/NDF: 162119.3/14

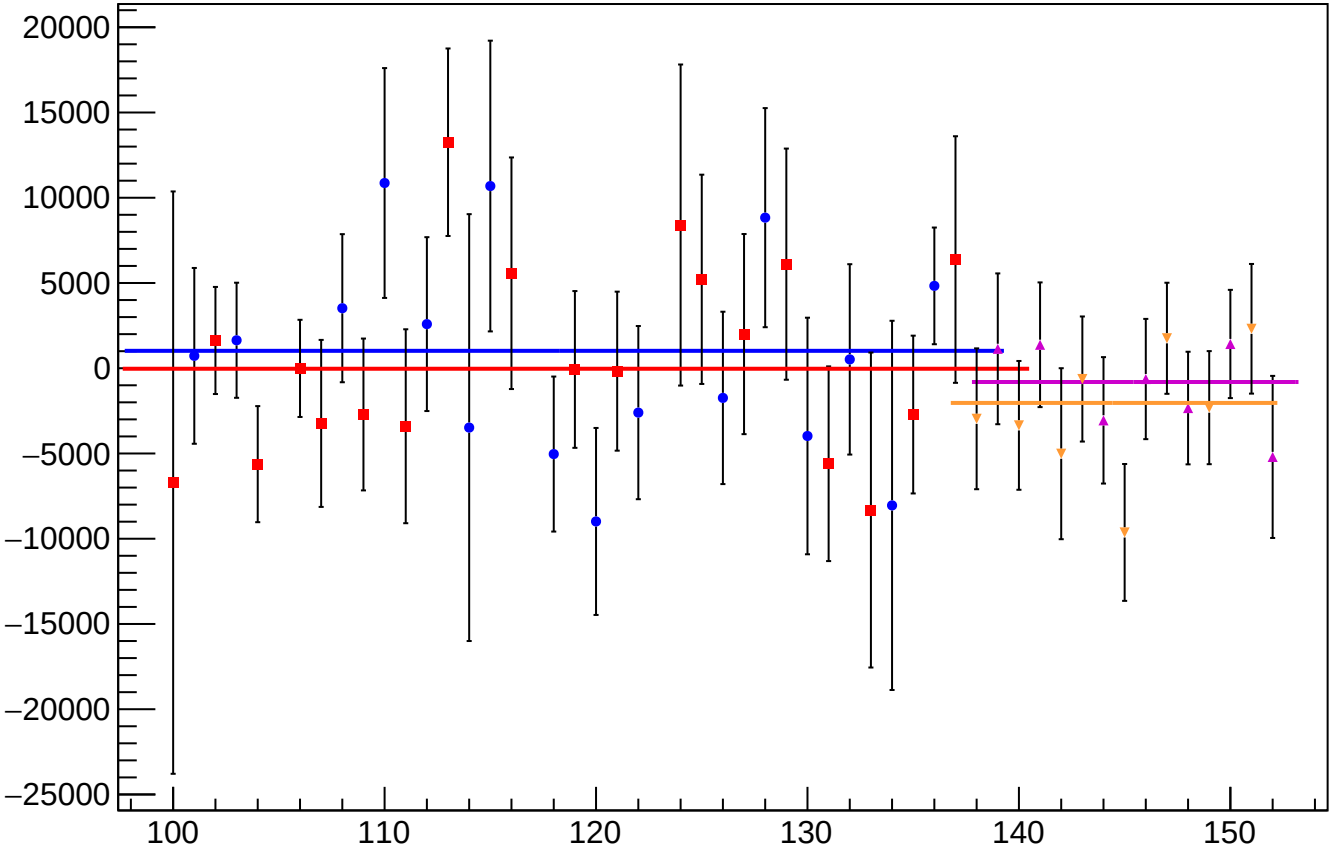
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1175.426+/-0.230 χ^2/NDF:689316.0/22

Out: 1167.818+/-0.228 χ^2/NDF:602446.2/26

All: 1171.588+/-0.162 χ^2/NDF: 1292313.1/49

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -2034.271+/-1337.331 χ^2/NDF:6.9/7

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -807.203+/-1394.539 χ^2/NDF:2.5/6

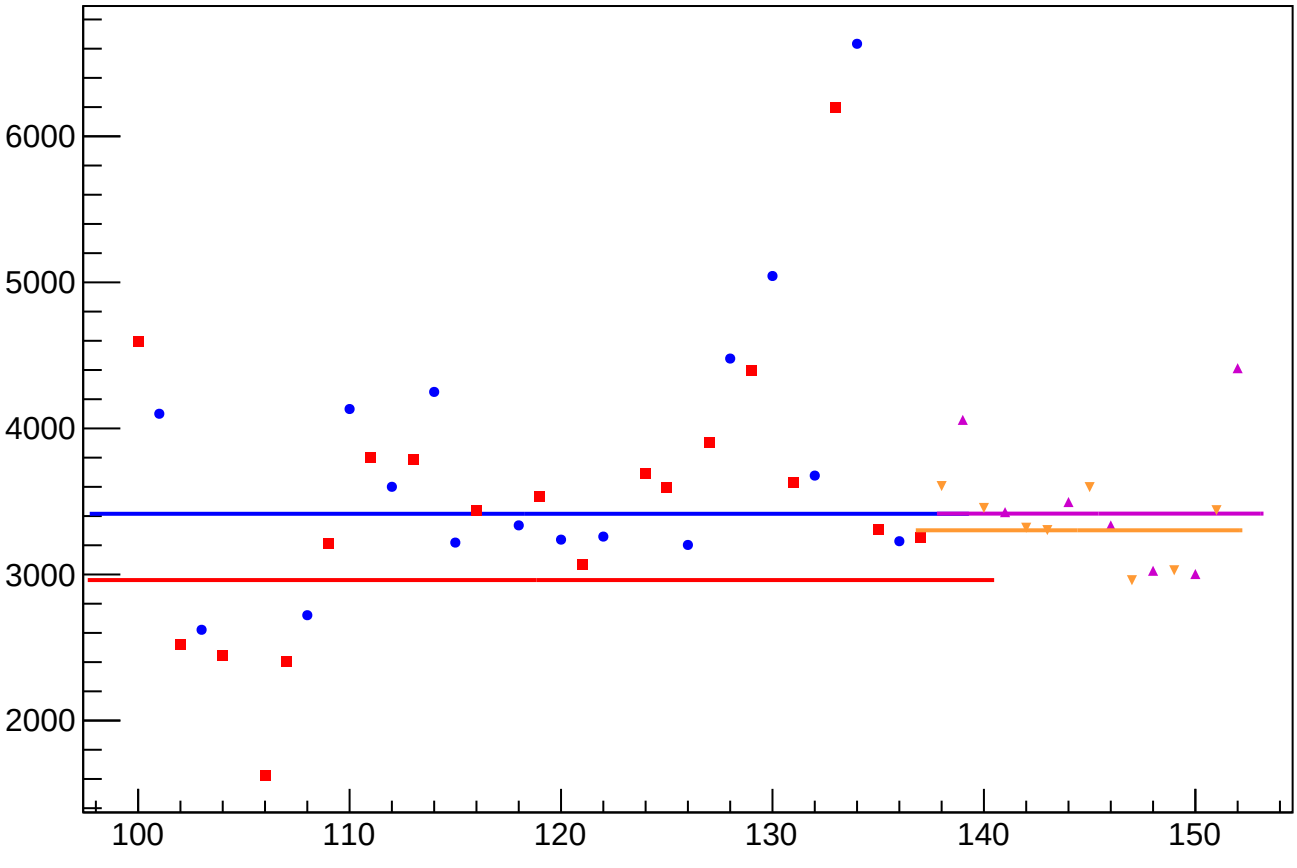
Left: -1446.421+/-965.227 χ^2/NDF: 9.8/14

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 169.288+/-951.856 χ^2/NDF:17.3/22

Out: -865.616+/-863.462 χ^2/NDF:24.4/26

All: -398.437+/-639.532 χ^2/NDF: 42.3/49



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3302.554+/-0.946 χ^2/NDF:63152.4/7

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3416.794+/-0.986 χ^2/NDF:193866.1/6

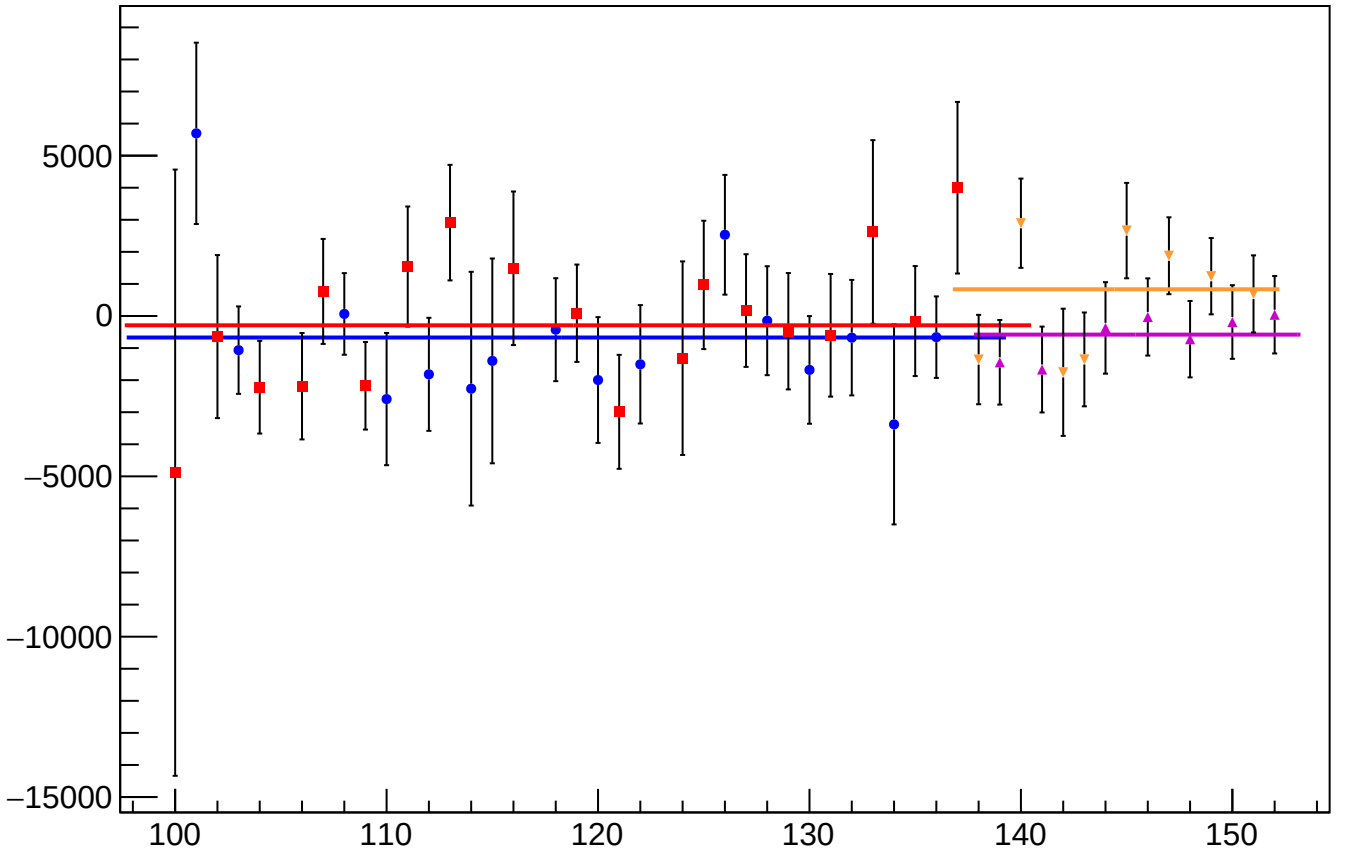
Left: 3357.283+/-0.683 χ^2/NDF: 264010.3/14

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3416.153+/-0.673 χ^2/NDF:786210.9/22

Out: 3103.852+/-0.611 χ^2/NDF:1308127.7/26

All: 3244.832+/-0.452 χ^2/NDF: 2212445.2/49



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 832.884+/-482.281 χ^2/NDF:11.0/7

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -580.261+/-473.261 χ^2/NDF:1.7/6

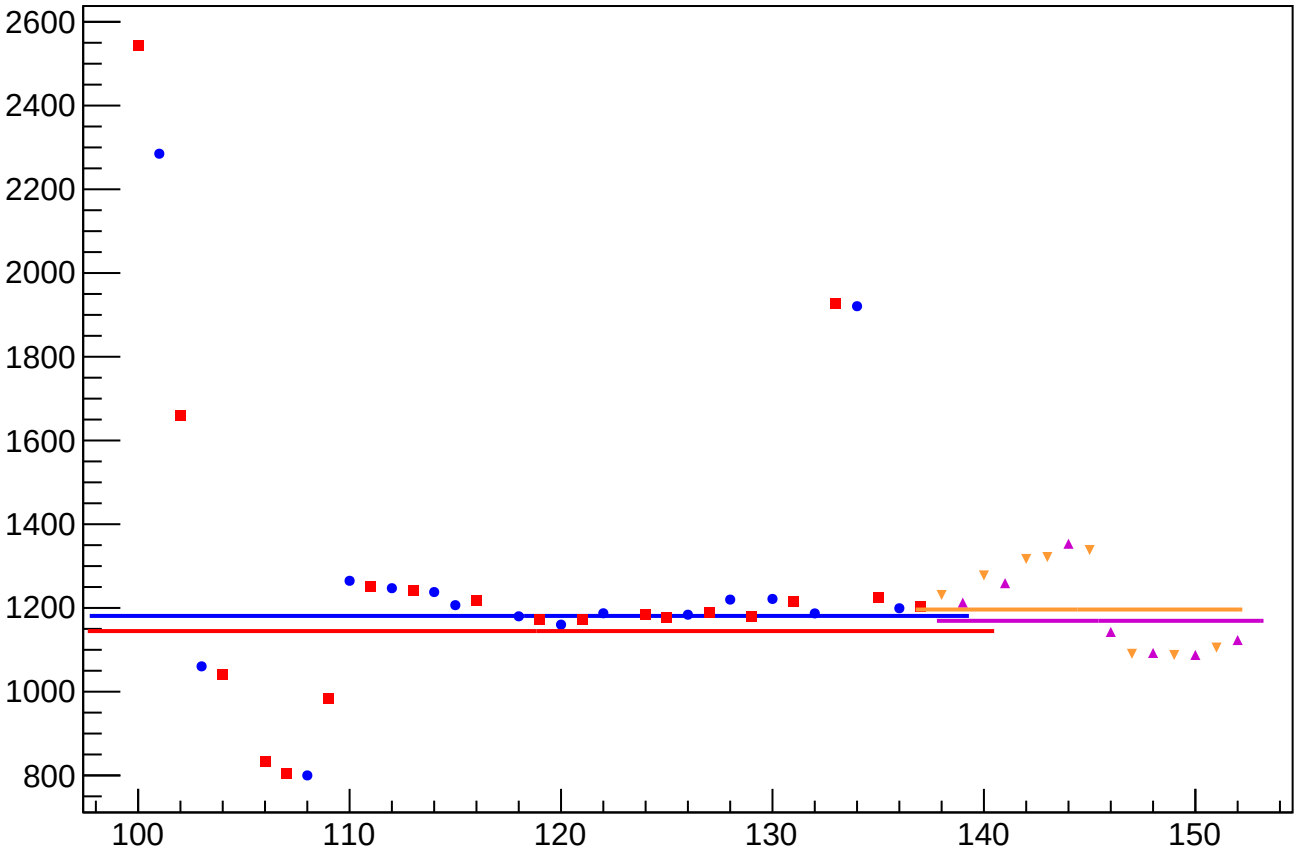
Left: 112.974+/-337.790 χ^2/NDF: 17.1/14

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -627.974+/-325.539 χ^2/NDF:13.6/22

Out: 212.808+/-322.782 χ^2/NDF:30.9/26

All: -204.007+/-229.210 χ^2/NDF: 47.9/49



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: 1169.269+/-0.335 χ^2/NDF:66794.4/6

Left: 1182.501+/-0.239 χ^2/NDF: 162118.9/14

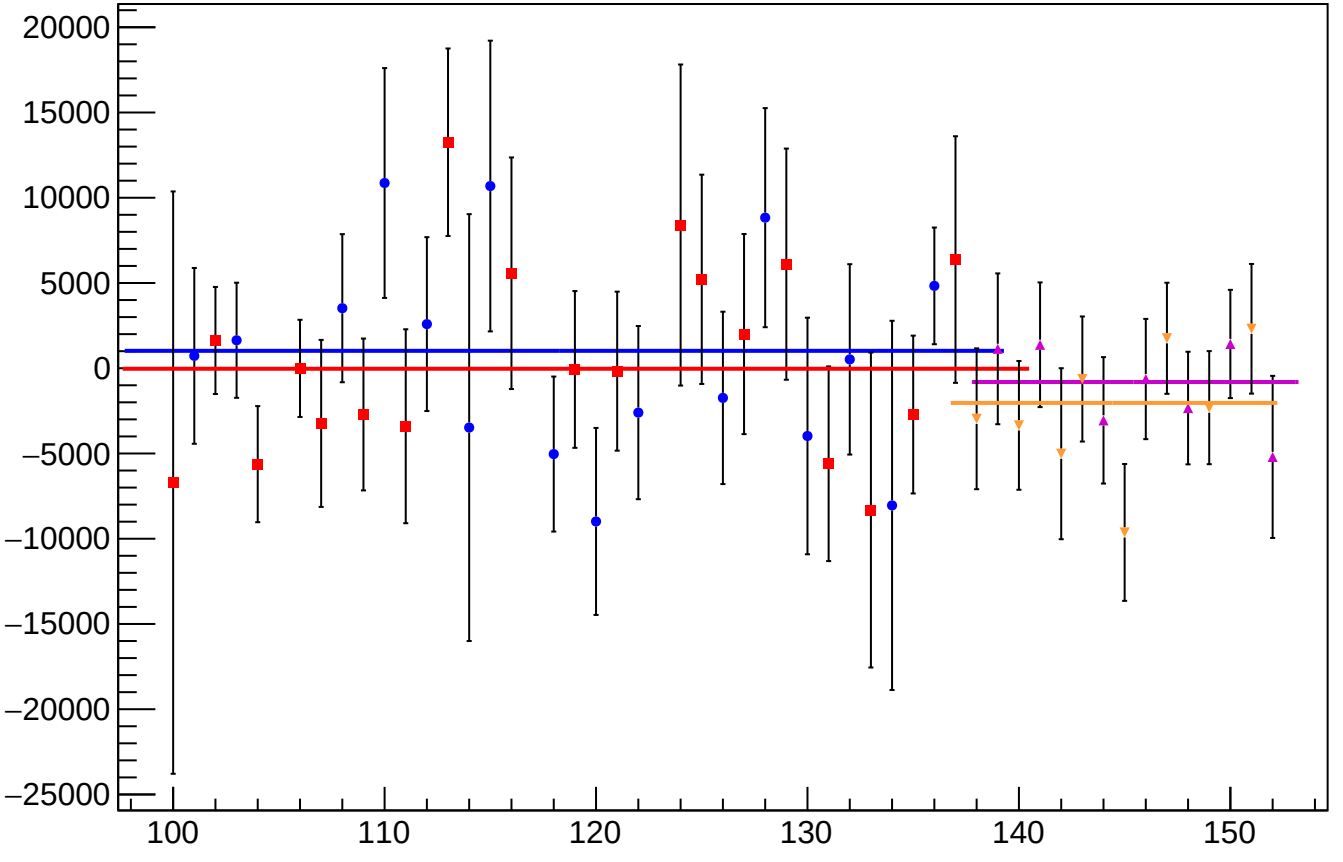
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1175.426+/-0.230 χ^2/NDF:689315.8/22

Out: 1167.818+/-0.228 χ^2/NDF:602446.0/26

All: 1171.589+/-0.162 χ^2/NDF: 1292312.7/49

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: -807.199+/-1394.540 χ^2/NDF:2.5/6

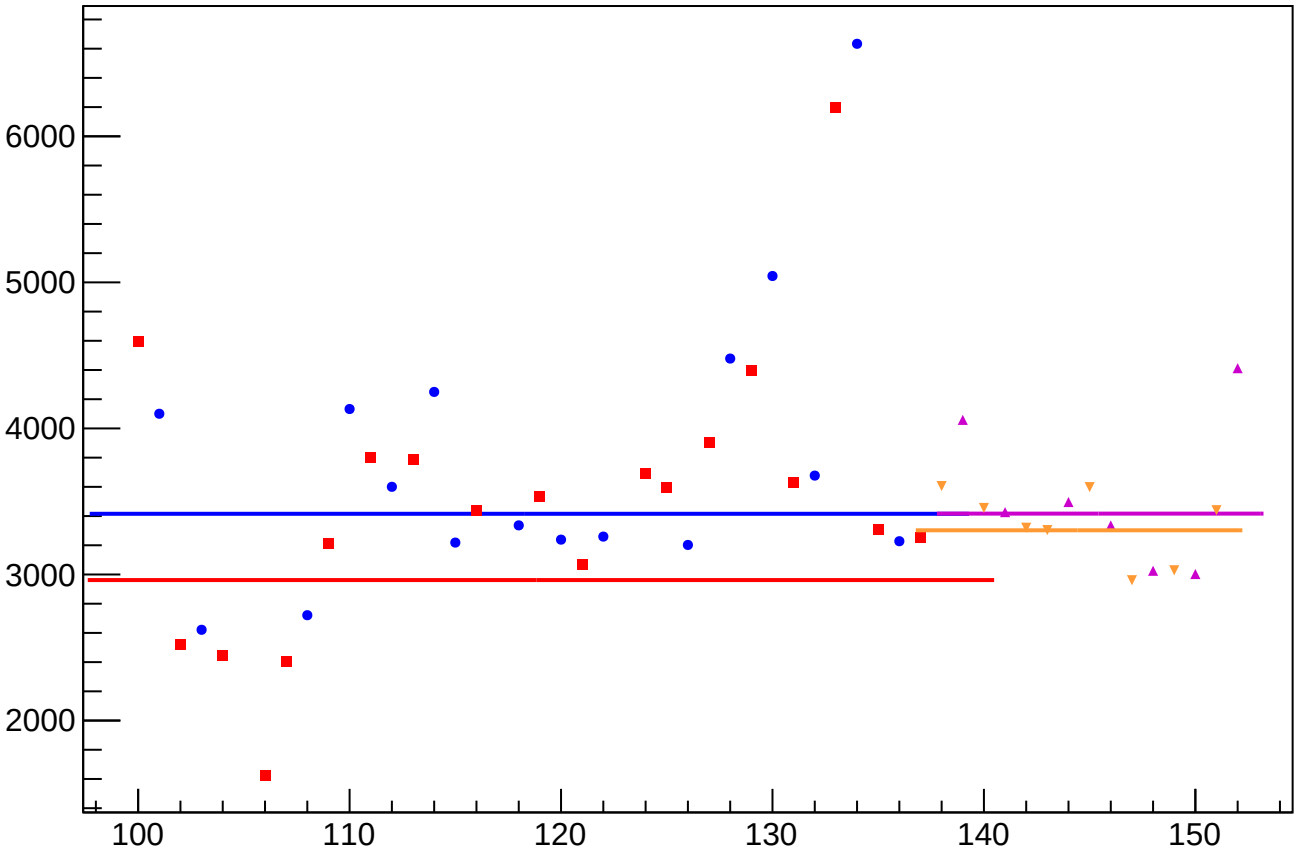
Left: -1446.420+/-965.228 χ^2/NDF: 9.8/14

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 169.282+/-951.856 χ^2/NDF:17.3/22

Out: -865.617+/-863.462 χ^2/NDF:24.4/26

All: -398.441+/-639.532 χ^2/NDF: 42.3/49



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: 3416.798+/-0.986 χ^2/NDF:193864.2/6

Left: 3357.287+/-0.683 χ^2/NDF: 264007.9/14

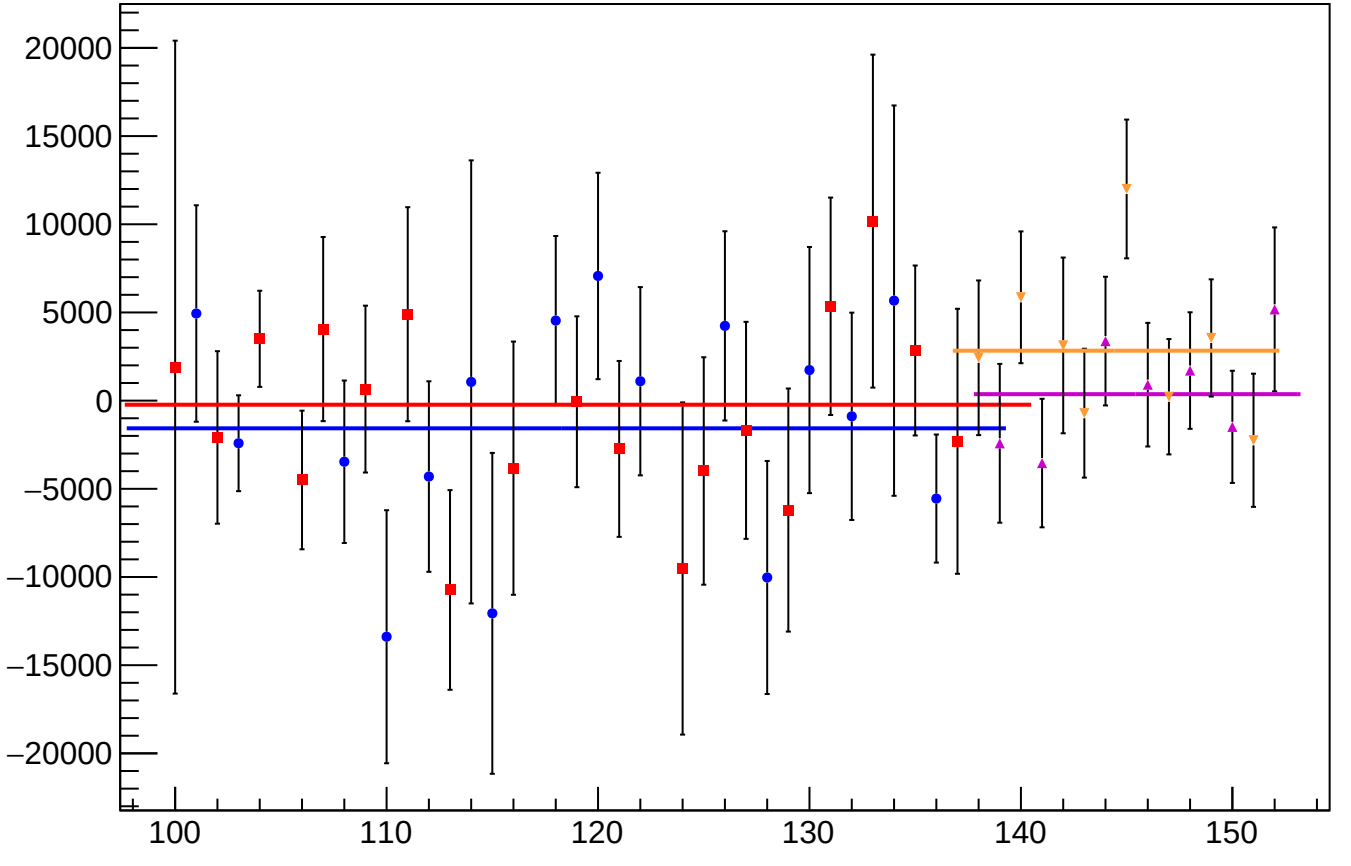
Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3416.154+/-0.673 χ^2/NDF:786204.1/22

Out: 3103.850+/-0.611 χ^2/NDF:1308130.9/26

All: 3244.831+/-0.452 χ^2/NDF: 2212443.0/49

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: 366.801+/-1389.478 χ^2/NDF:3.8/6

Left: 1644.719+/-964.225 χ^2/NDF: 15.0/14

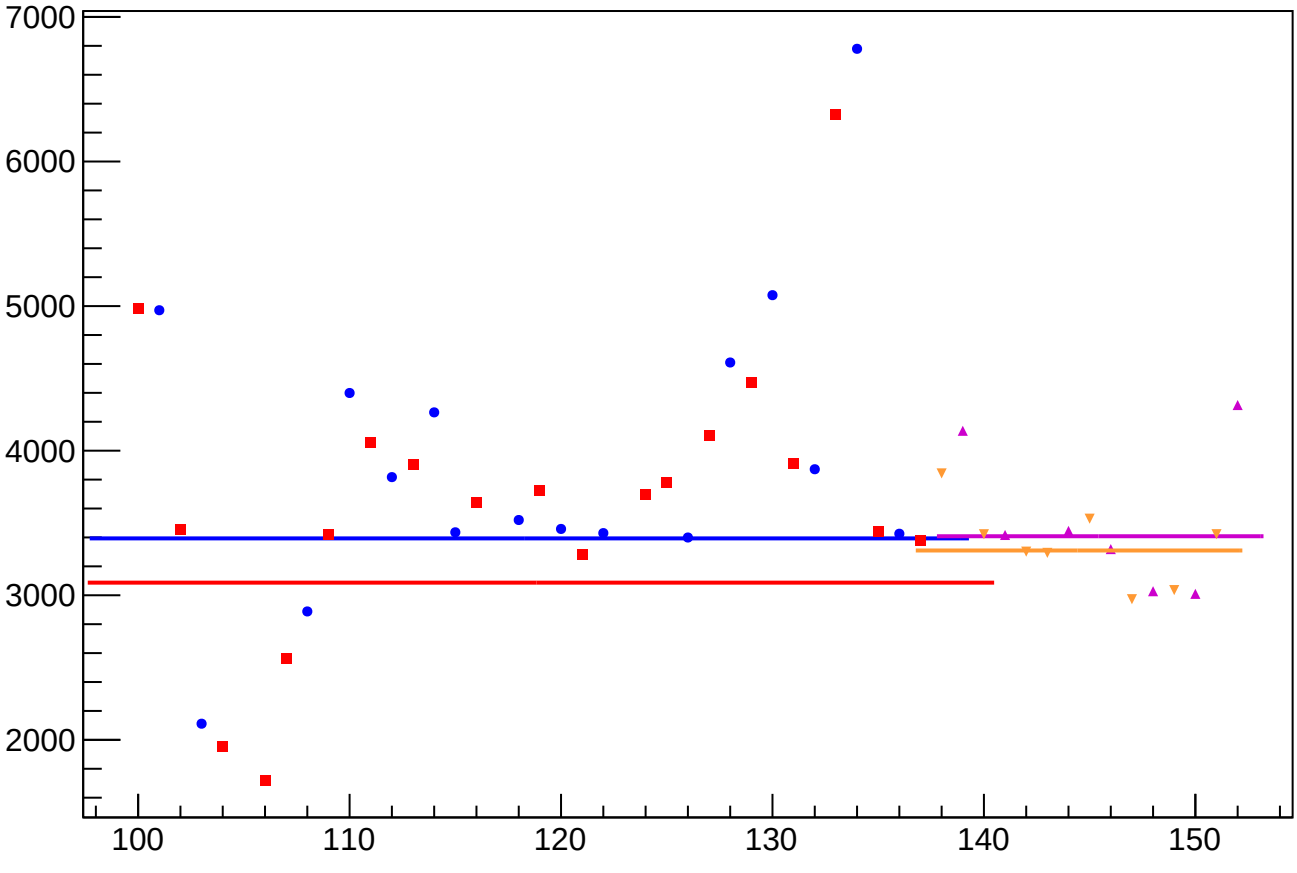
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -656.311+/-954.299 χ^2/NDF:19.3/22

Out: 1163.378+/-903.599 χ^2/NDF:25.6/26

All: 303.154+/-656.133 χ^2/NDF: 46.8/49

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: 3408.247+/-0.983 χ^2/NDF:188126.8/6

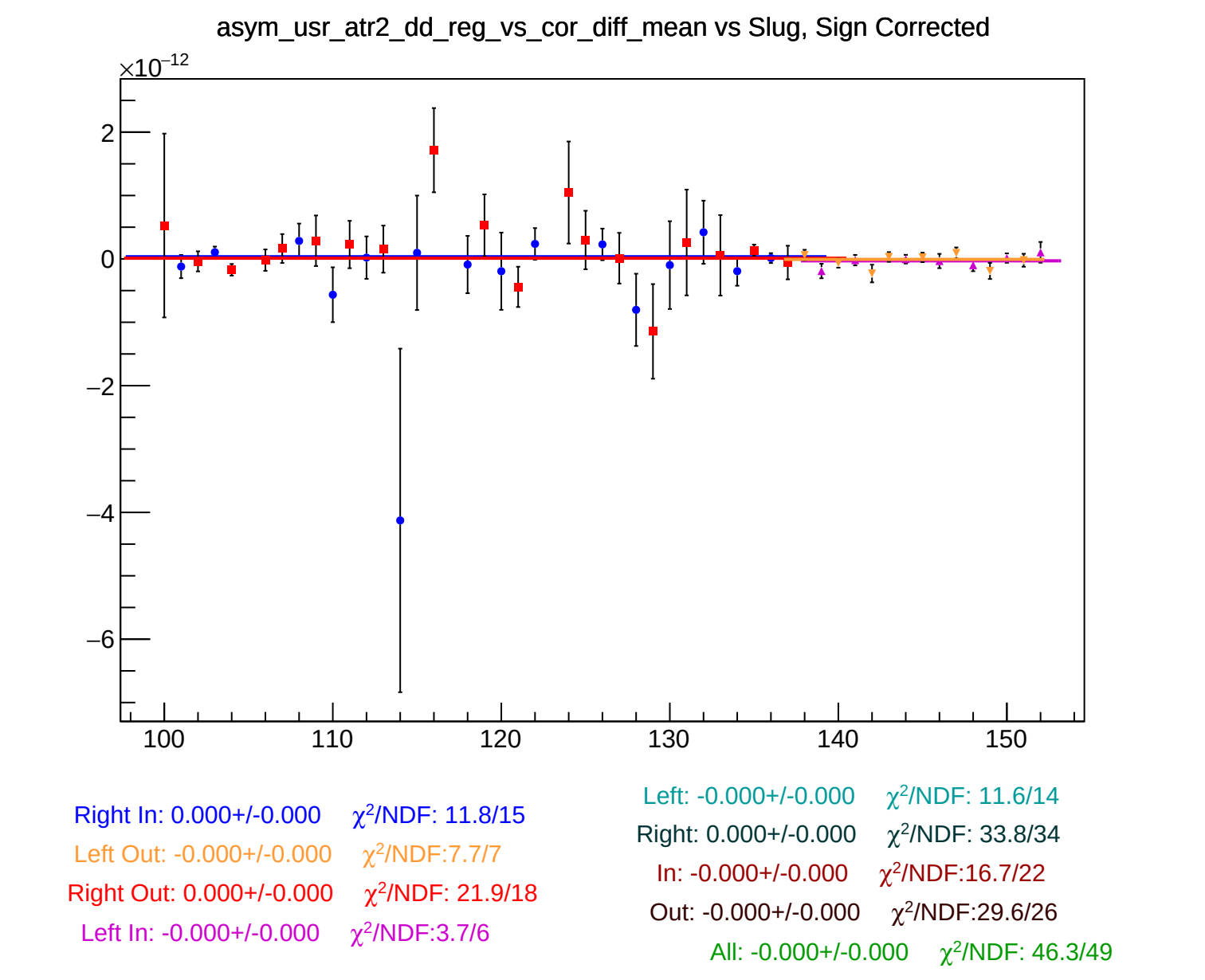
Left: 3357.163+/-0.682 χ^2/NDF: 267604.4/14

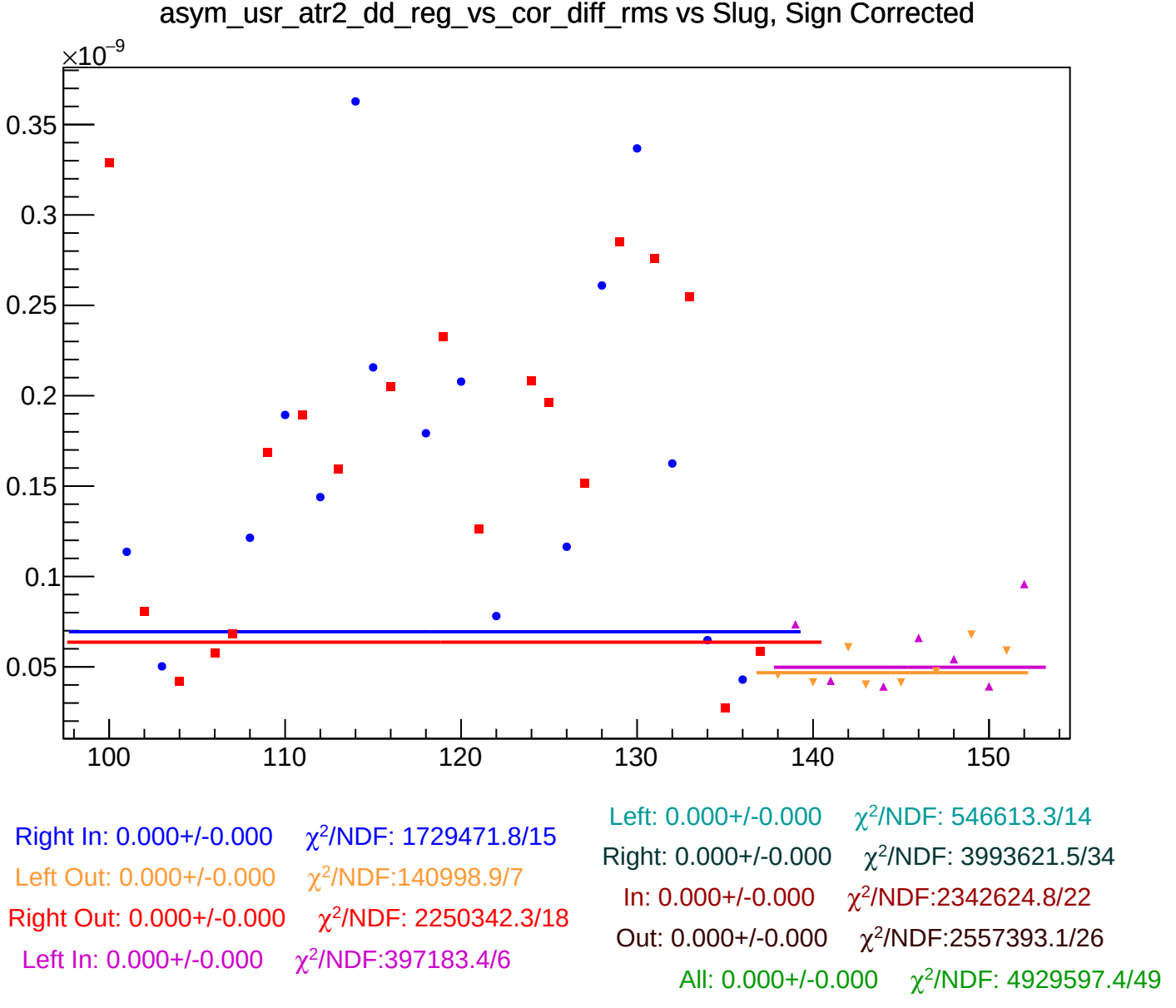
Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

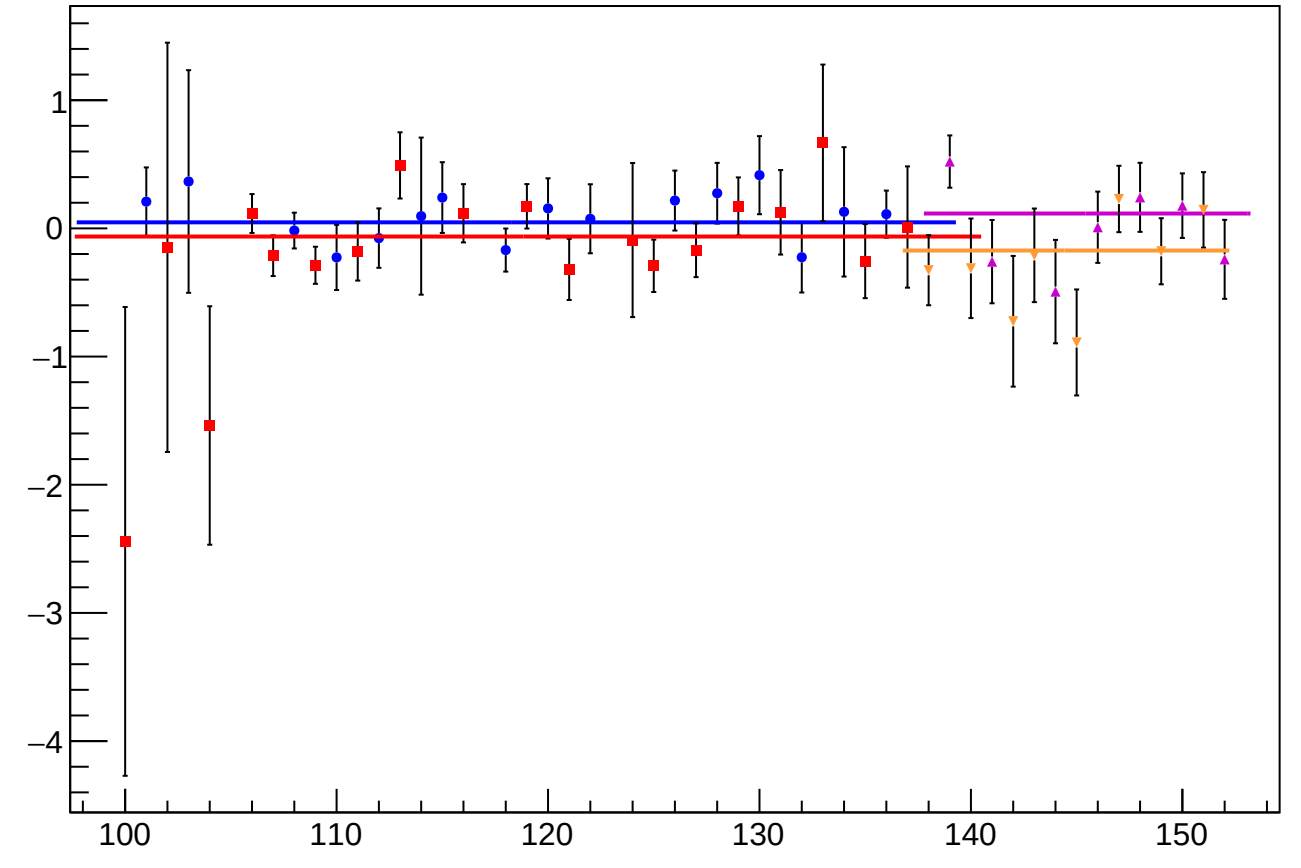
In: 3400.385+/-0.675 χ^2/NDF:1236955.5/22

Out: 3186.707+/-0.633 χ^2/NDF:1433129.6/26

All: 3286.732+/-0.462 χ^2/NDF: 2723418.8/49


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:3.7/6
Left: -0.000+/-0.000 χ²/NDF: 11.6/14
Right: 0.000+/-0.000 χ²/NDF: 33.8/34
In: -0.000+/-0.000 χ²/NDF:16.7/22
Out: -0.000+/-0.000 χ²/NDF:29.6/26
All: -0.000+/-0.000 χ²/NDF: 46.3/49


asym_usr_atr2_dd_reg_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: 1729471.8/15
Left Out: 0.000+/-0.000 χ²/NDF:140998.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 2250342.3/18
Left In: 0.000+/-0.000 χ²/NDF:397183.4/6
Left: 0.000+/-0.000 χ²/NDF: 546613.3/14
Right: 0.000+/-0.000 χ²/NDF: 3993621.5/34
In: 0.000+/-0.000 χ²/NDF:2342624.8/22
Out: 0.000+/-0.000 χ²/NDF:2557393.1/26
All: 0.000+/-0.000 χ²/NDF: 4929597.4/49



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: 0.116+/-0.104 χ^2/NDF:9.3/6

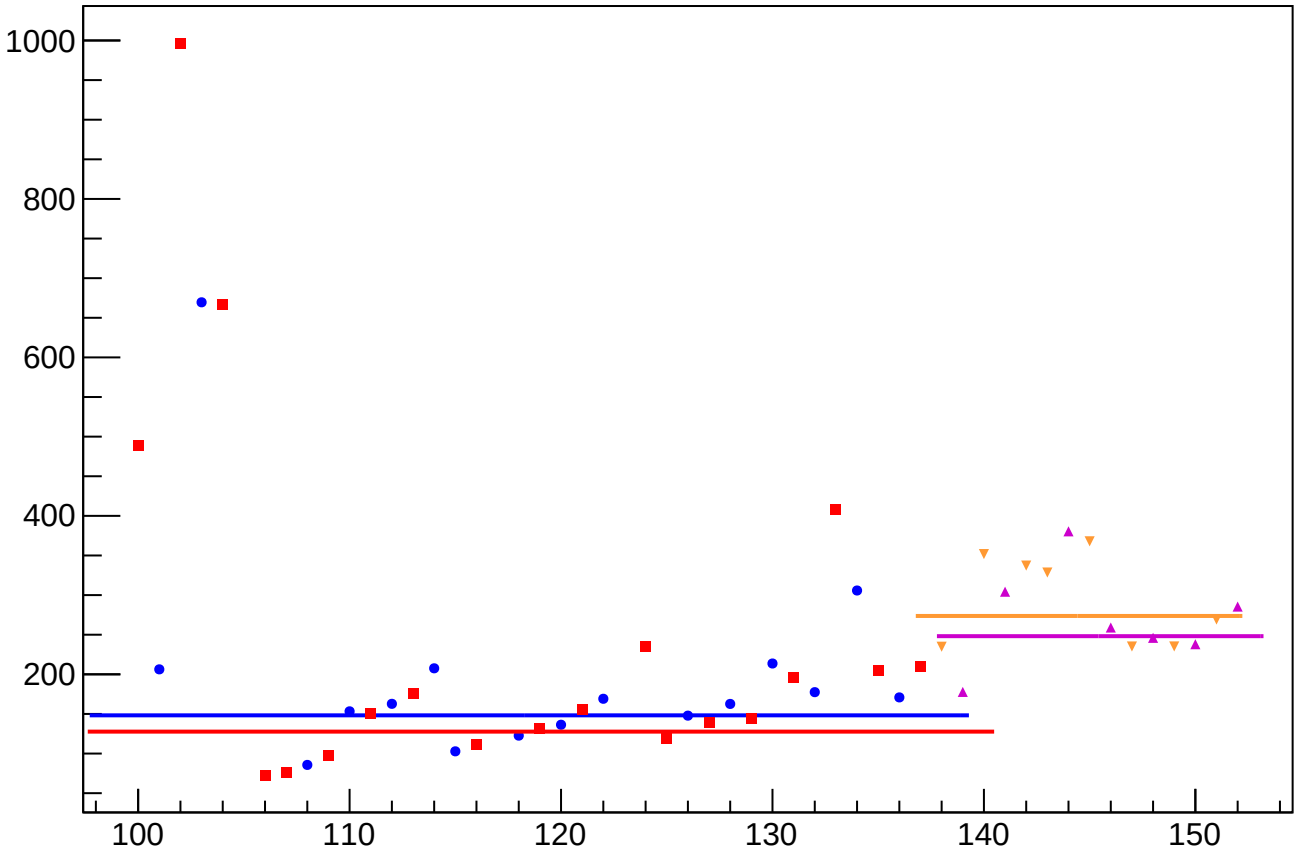
Left: -0.017+/-0.076 χ^2/NDF: 21.1/14

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.064+/-0.052 χ^2/NDF:18.2/22

Out: -0.084+/-0.049 χ^2/NDF:31.2/26

All: -0.014+/-0.036 χ^2/NDF: 53.7/49



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: 248.159+/-0.073 χ^2/NDF:548753.0/6

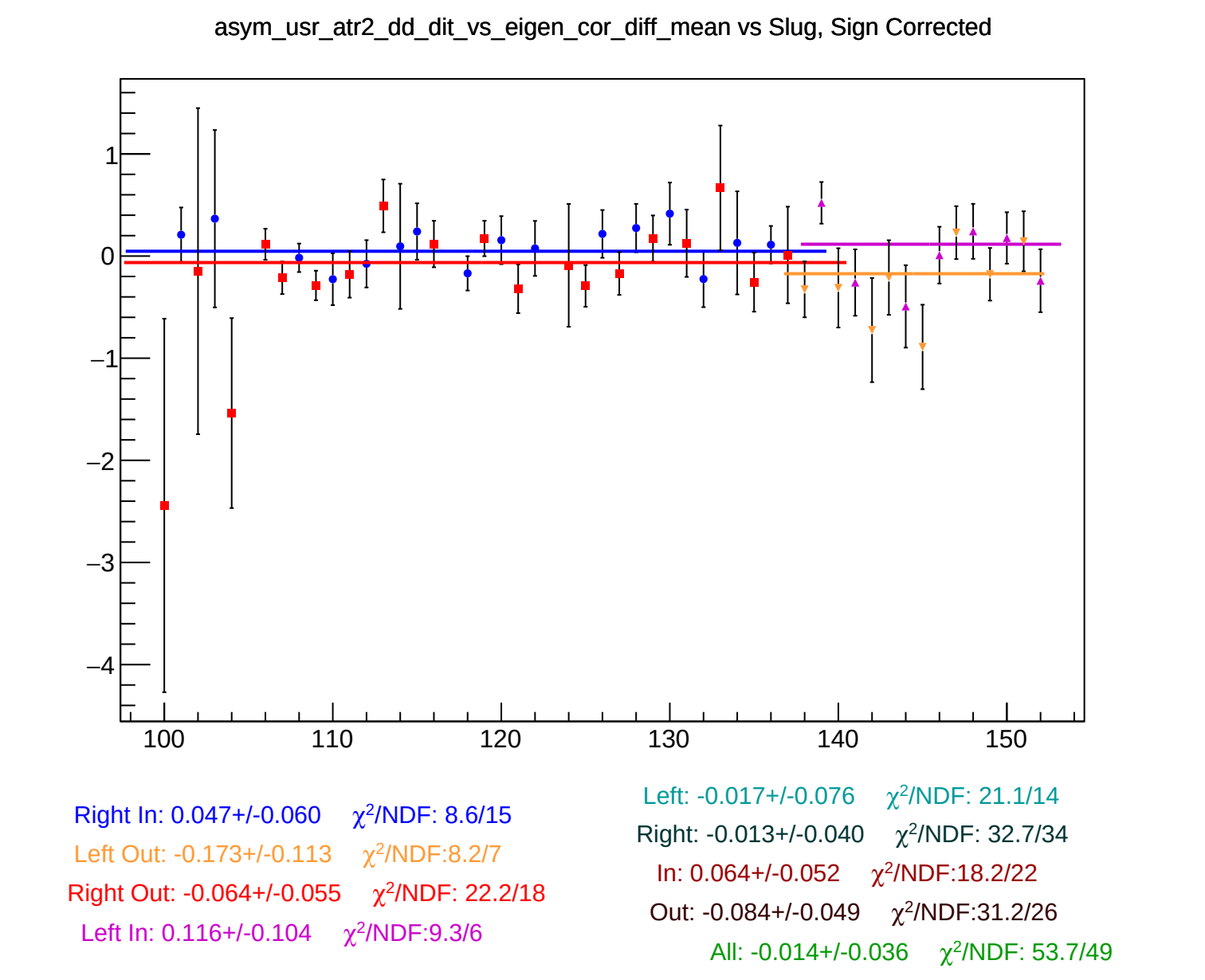
Left: 259.872+/-0.054 χ^2/NDF: 994671.5/14

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

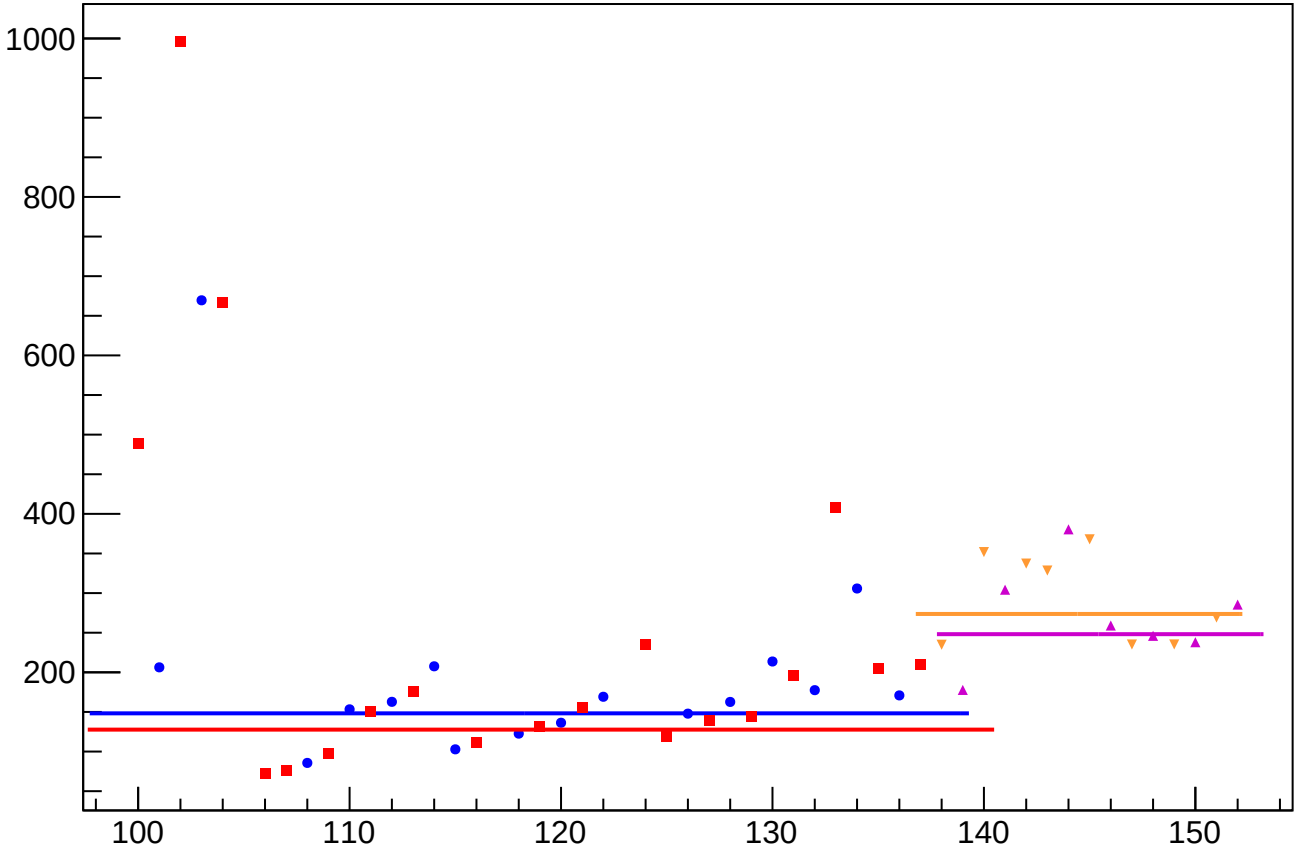
In: 173.259+/-0.037 χ^2/NDF:3646244.0/22

Out: 155.479+/-0.035 χ^2/NDF:5947765.7/26

All: 163.880+/-0.025 χ^2/NDF: 9717473.3/49


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.173+/-0.113 χ²/NDF:8.2/7
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.116+/-0.104 χ²/NDF:9.3/6
Left: -0.017+/-0.076 χ²/NDF: 21.1/14
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.064+/-0.052 χ²/NDF:18.2/22
Out: -0.084+/-0.049 χ²/NDF:31.2/26
All: -0.014+/-0.036 χ²/NDF: 53.7/49

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 273.670+/-0.080 χ^2/NDF:390520.7/7

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 248.159+/-0.073 χ^2/NDF:548753.0/6

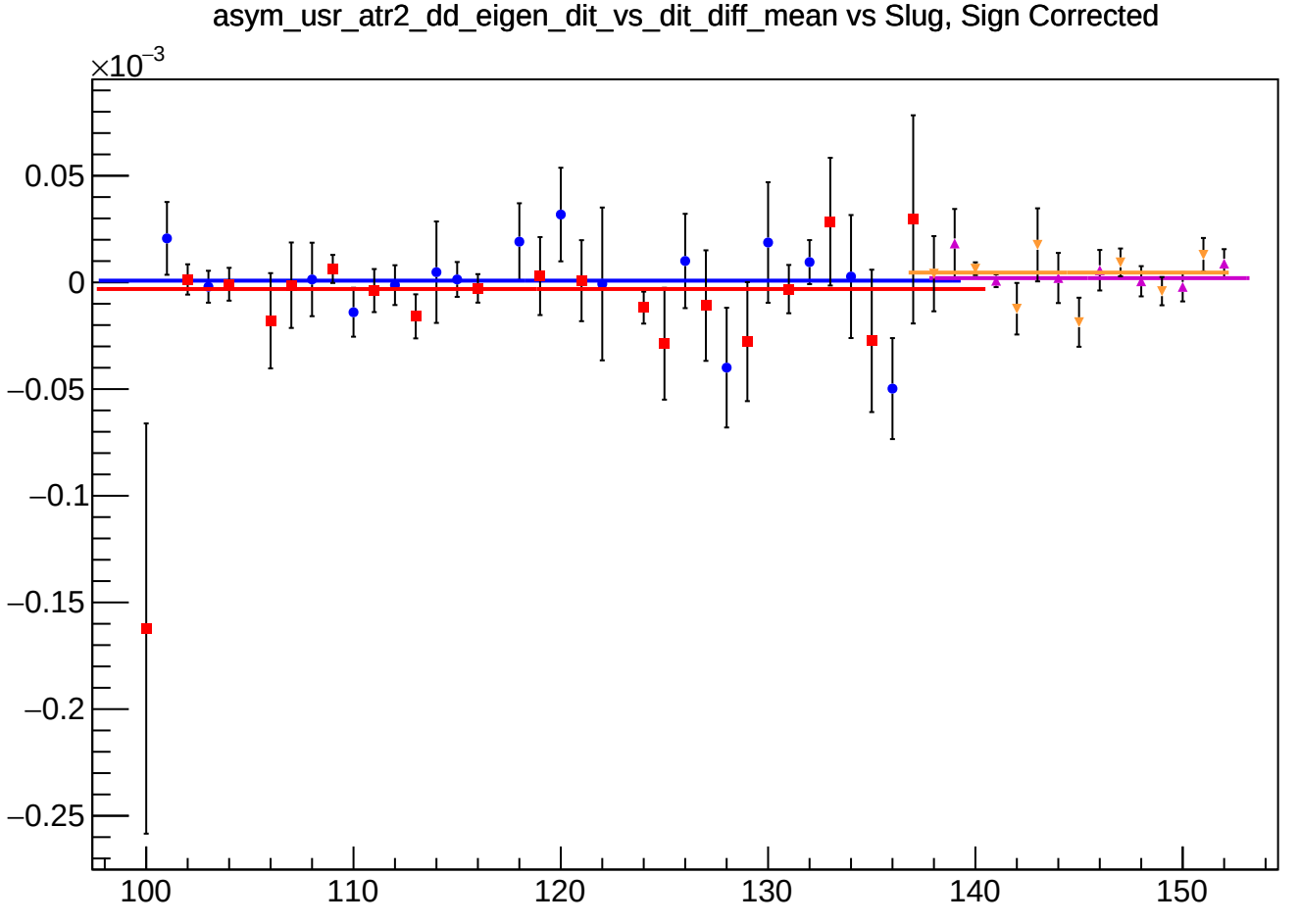
Left: 259.872+/-0.054 χ^2/NDF: 994671.5/14

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 173.259+/-0.037 χ^2/NDF:3646244.0/22

Out: 155.479+/-0.035 χ^2/NDF:5947765.7/26

All: 163.880+/-0.025 χ^2/NDF: 9717473.3/49



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:2.7/6

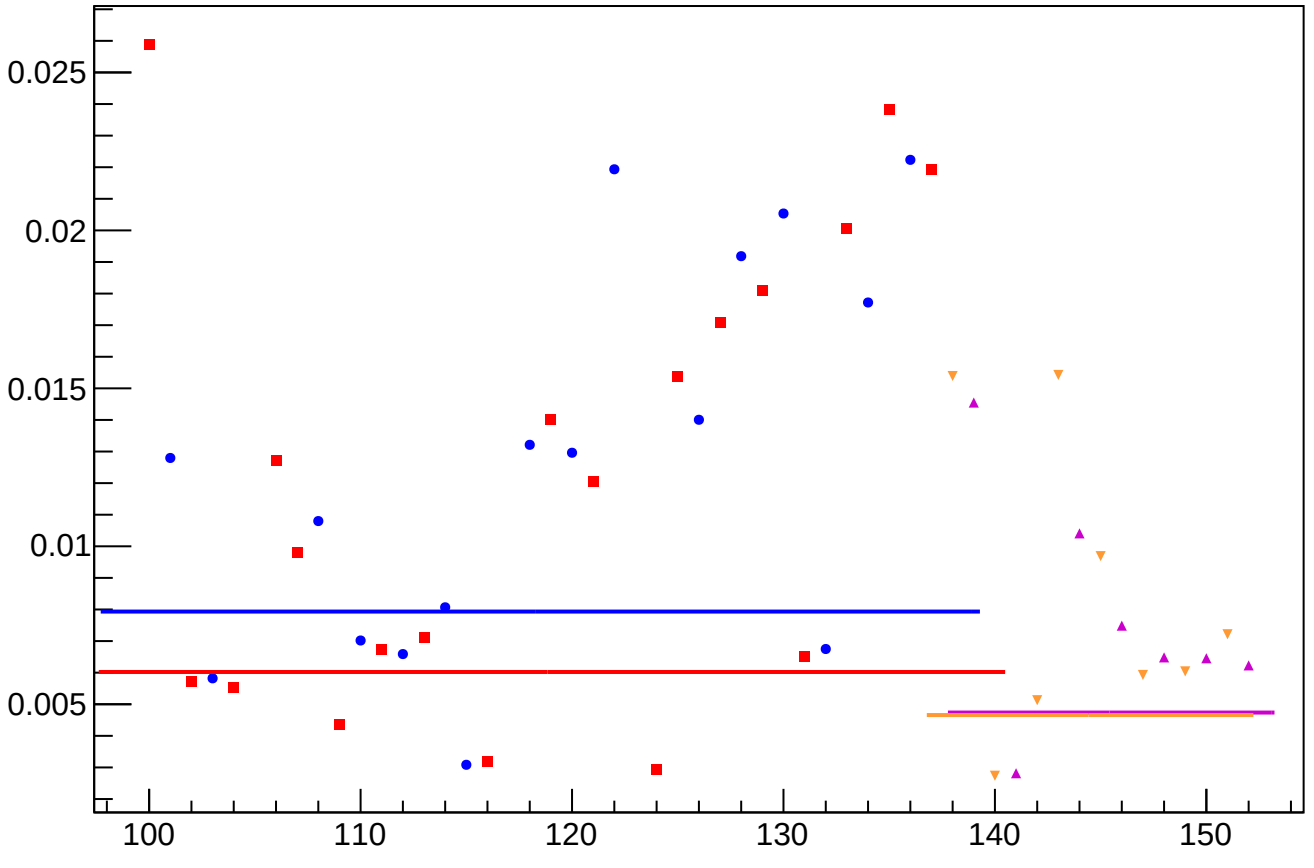
Left: 0.000+/-0.000 χ^2/NDF: 13.8/14

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:17.1/22

Out: 0.000+/-0.000 χ^2/NDF:28.0/26

All: 0.000+/-0.000 χ^2/NDF: 45.1/49



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:2535945.1/6

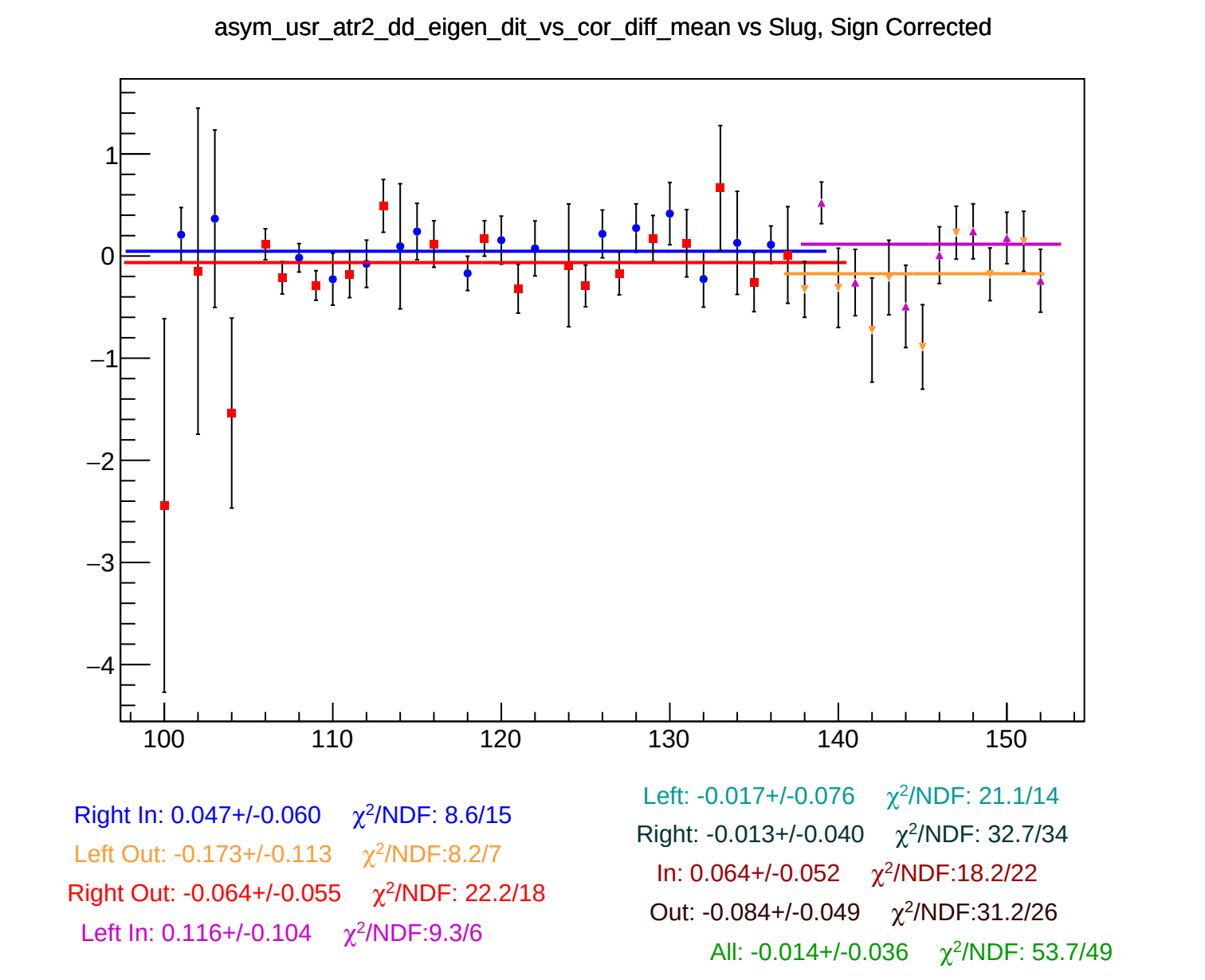
Left: 0.005+/-0.000 χ^2/NDF: 5654046.0/14

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:7310688.7/22

Out: 0.005+/-0.000 χ^2/NDF:7434790.0/26

All: 0.005+/-0.000 χ^2/NDF: 14808693.8/49


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
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−3
−4
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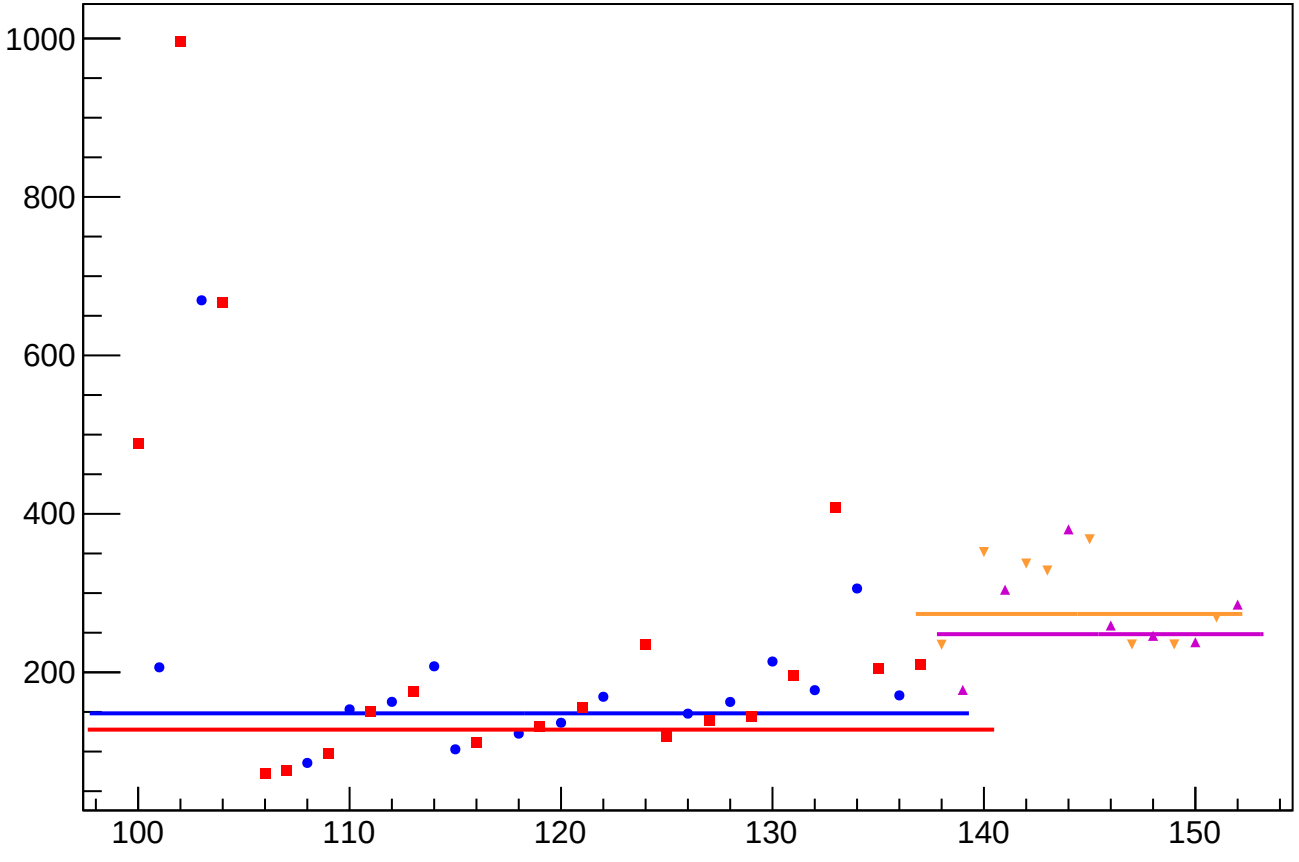
110
120
130
140
150
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.173+/-0.113 χ²/NDF:8.2/7
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.116+/-0.104 χ²/NDF:9.3/6
Left: -0.017+/-0.076 χ²/NDF: 21.1/14
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.064+/-0.052 χ²/NDF:18.2/22
Out: -0.084+/-0.049 χ²/NDF:31.2/26
All: -0.014+/-0.036 χ²/NDF: 53.7/49

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: 248.162+/-0.073 χ^2/NDF:548720.4/6

Left: 259.876+/-0.054 χ^2/NDF: 994617.8/14

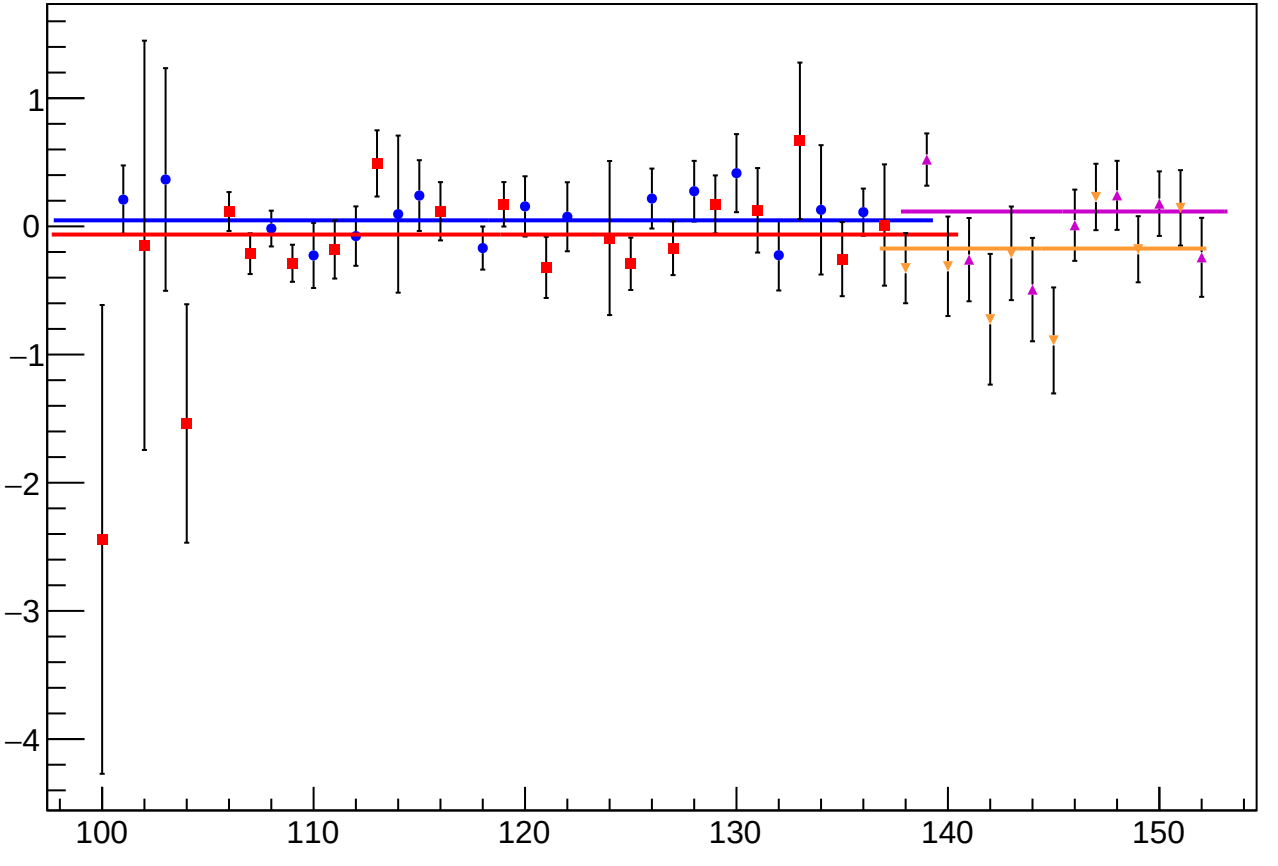
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 173.257+/-0.037 χ^2/NDF:3646431.6/22

Out: 155.480+/-0.035 χ^2/NDF:5947818.3/26

All: 163.879+/-0.025 χ^2/NDF: 9717684.1/49

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: 0.116+/-0.104 χ^2/NDF:9.3/6

Left: -0.017+/-0.076 χ^2/NDF: 21.1/14

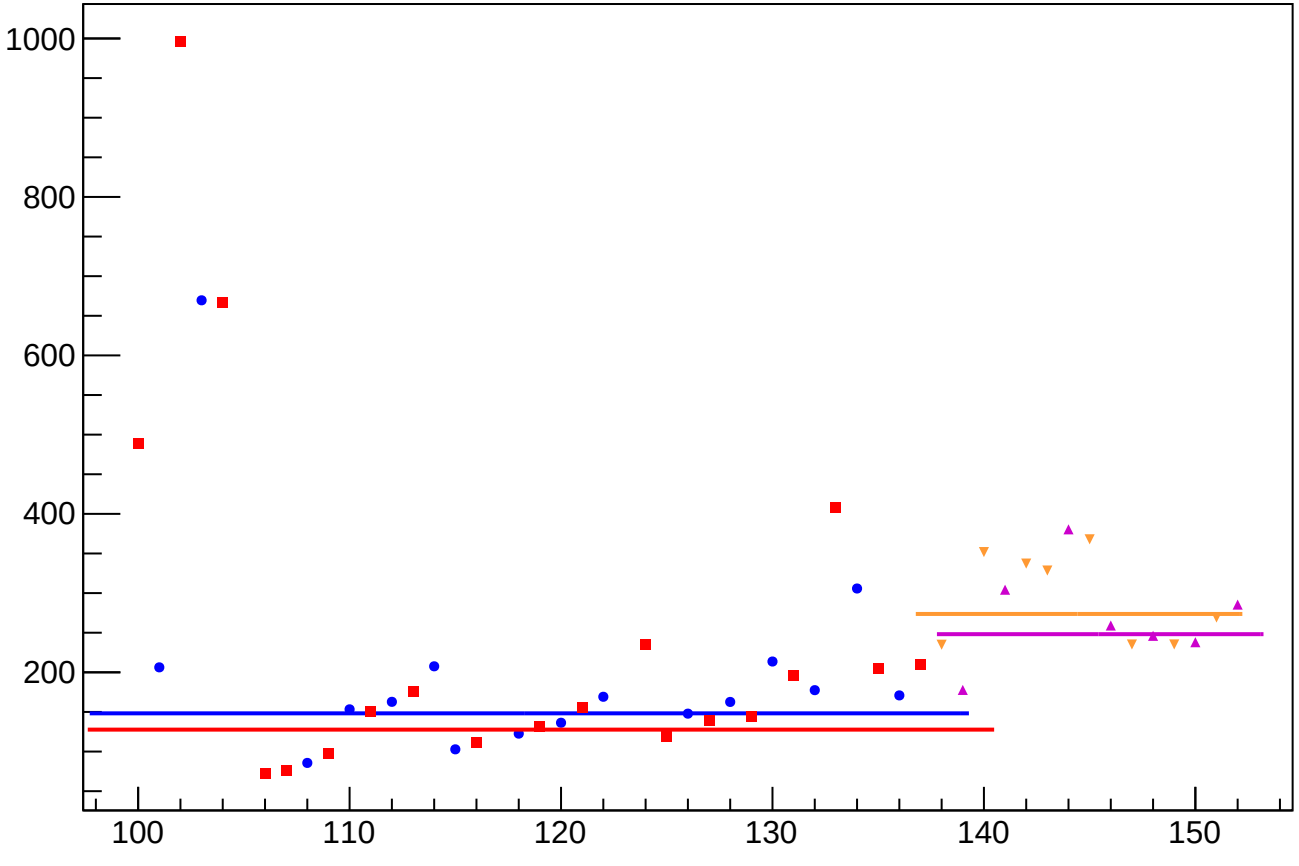
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.064+/-0.052 χ^2/NDF:18.2/22

Out: -0.084+/-0.049 χ^2/NDF:31.2/26

All: -0.014+/-0.036 χ^2/NDF: 53.7/49

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: 248.162+/-0.073 χ^2/NDF:548720.4/6

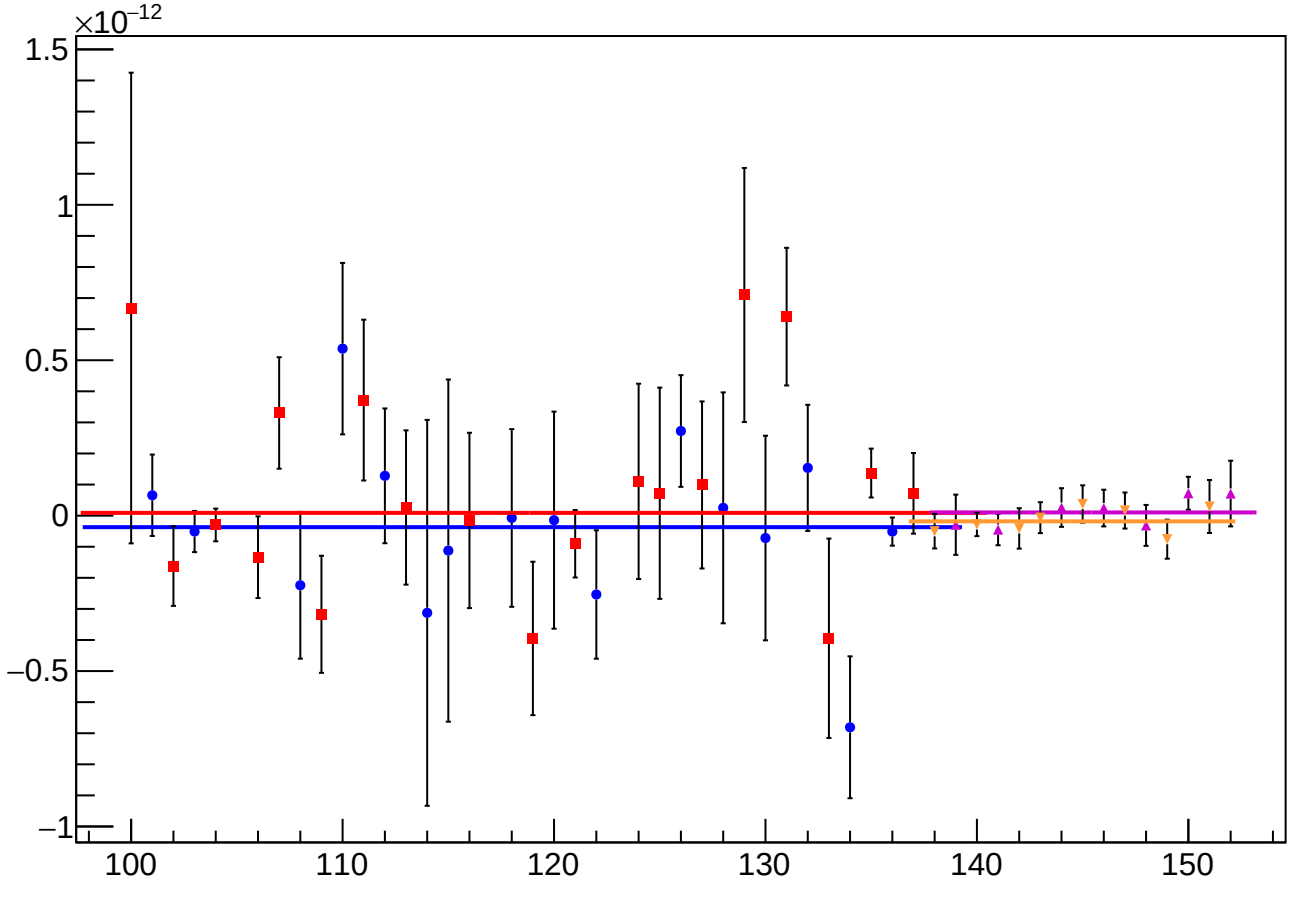
Left: 259.876+/-0.054 χ^2/NDF: 994617.8/14

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 173.257+/-0.037 χ^2/NDF:3646431.6/22

Out: 155.480+/-0.035 χ^2/NDF:5947818.3/26

All: 163.879+/-0.025 χ^2/NDF: 9717684.1/49



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:3.6/6

Left: -0.000+/-0.000 χ^2/NDF: 7.4/14

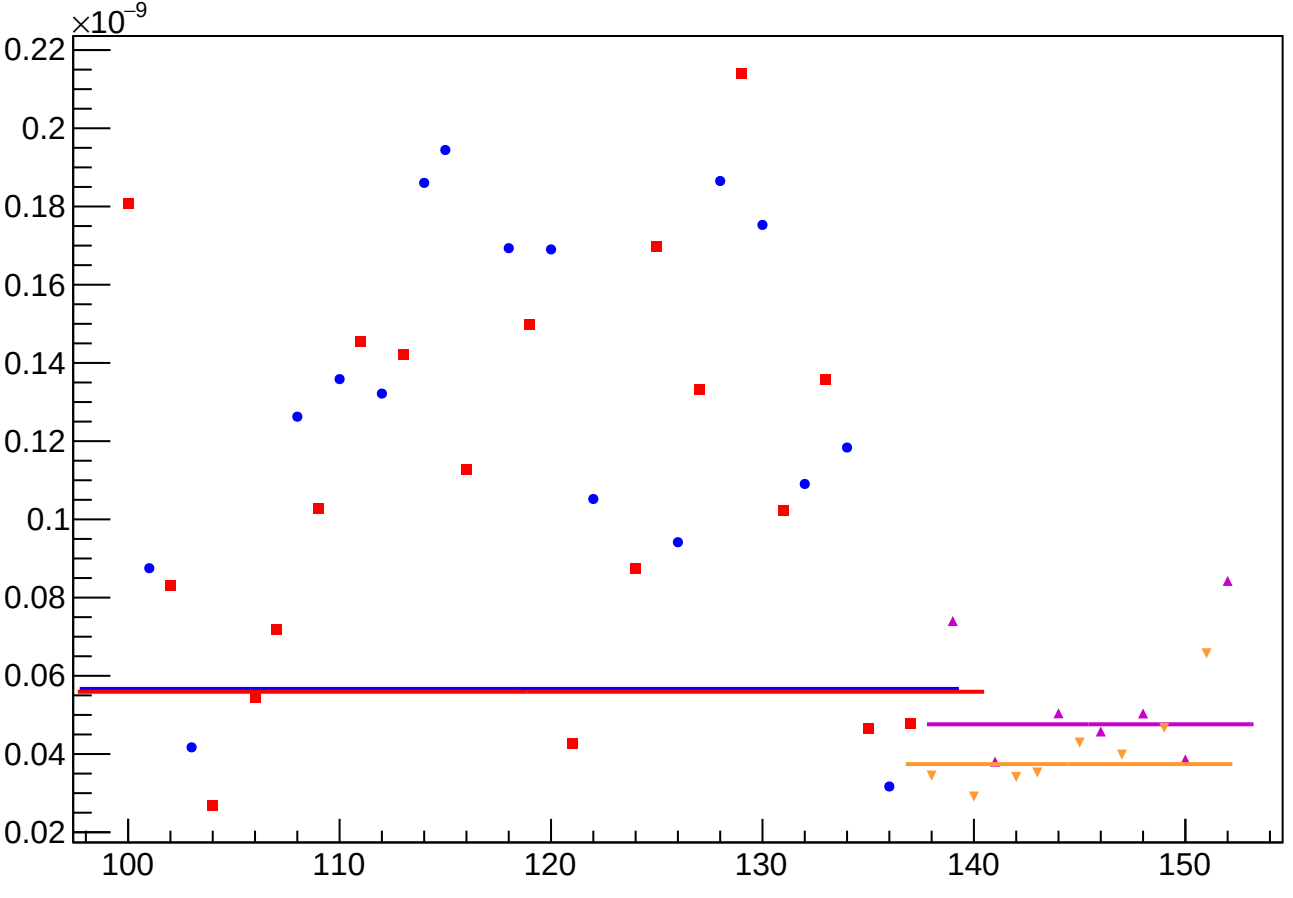
Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: -0.000+/-0.000 χ^2/NDF:24.4/22

Out: -0.000+/-0.000 χ^2/NDF:35.3/26

All: -0.000+/-0.000 χ^2/NDF: 59.7/49

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:396615.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:527586.6/6

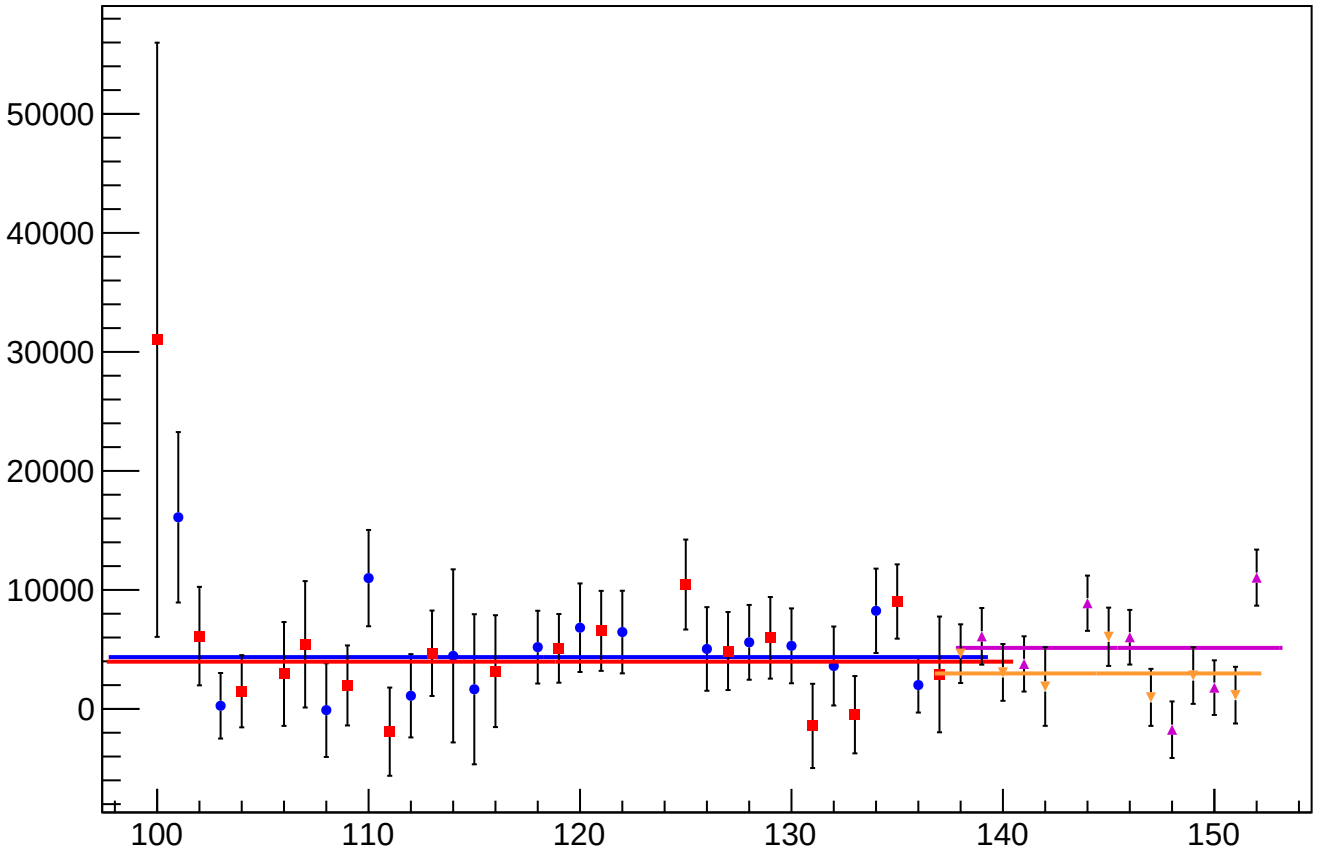
Left: 0.000+/-0.000 χ^2/NDF: 1139903.4/14

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:3742092.4/22

Out: 0.000+/-0.000 χ^2/NDF:3616910.9/26

All: 0.000+/-0.000 χ^2/NDF: 7578379.1/49



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: 5129.701+/-882.430 χ^2/NDF:20.0/6

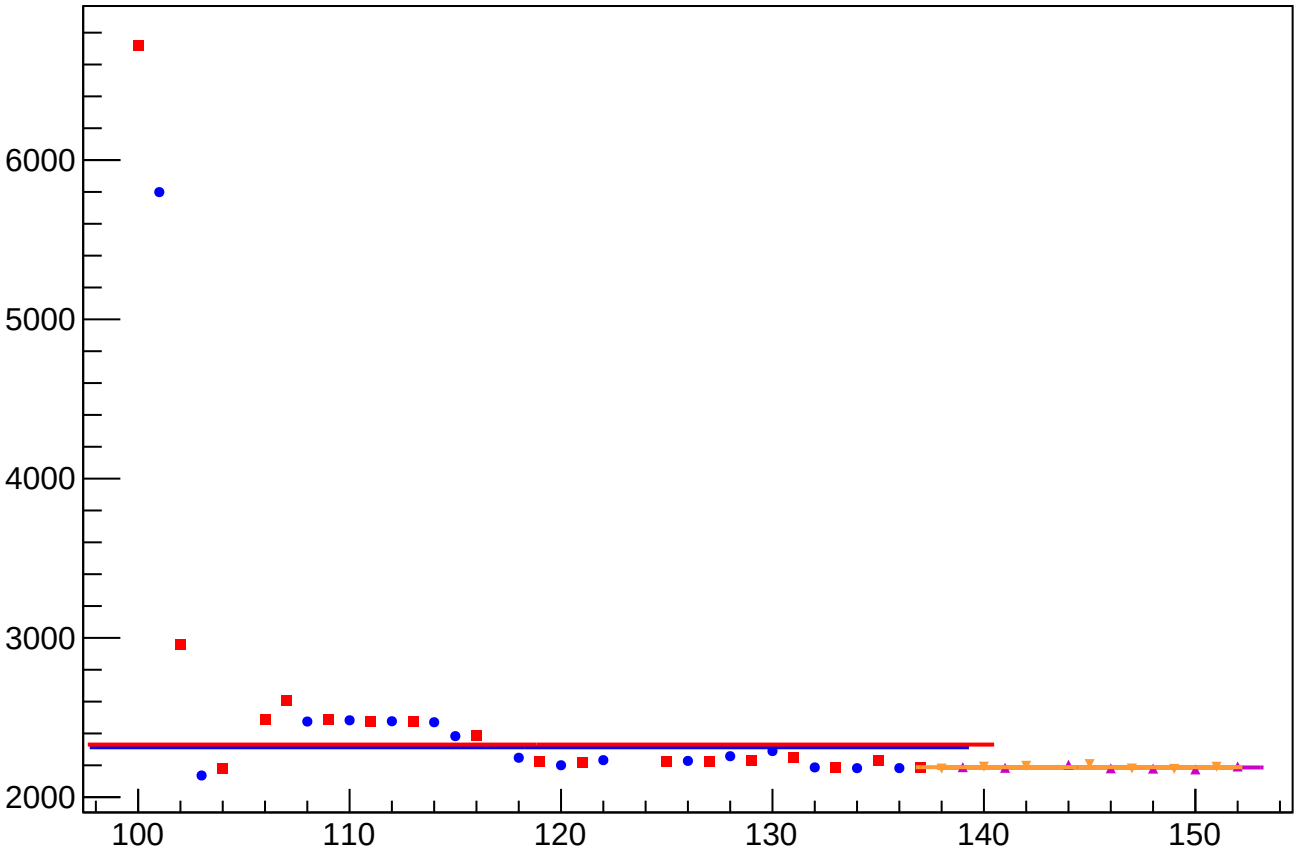
Left: 4127.051+/-644.293 χ^2/NDF: 26.2/13

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4738.816+/-621.384 χ^2/NDF:33.8/22

Out: 3515.957+/-639.924 χ^2/NDF:20.2/24

All: 4145.357+/-445.795 χ^2/NDF: 55.9/47



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: 2186.400+/-0.624 χ^2/NDF:210.9/6

Left: 2187.256+/-0.456 χ^2/NDF: 446.6/13

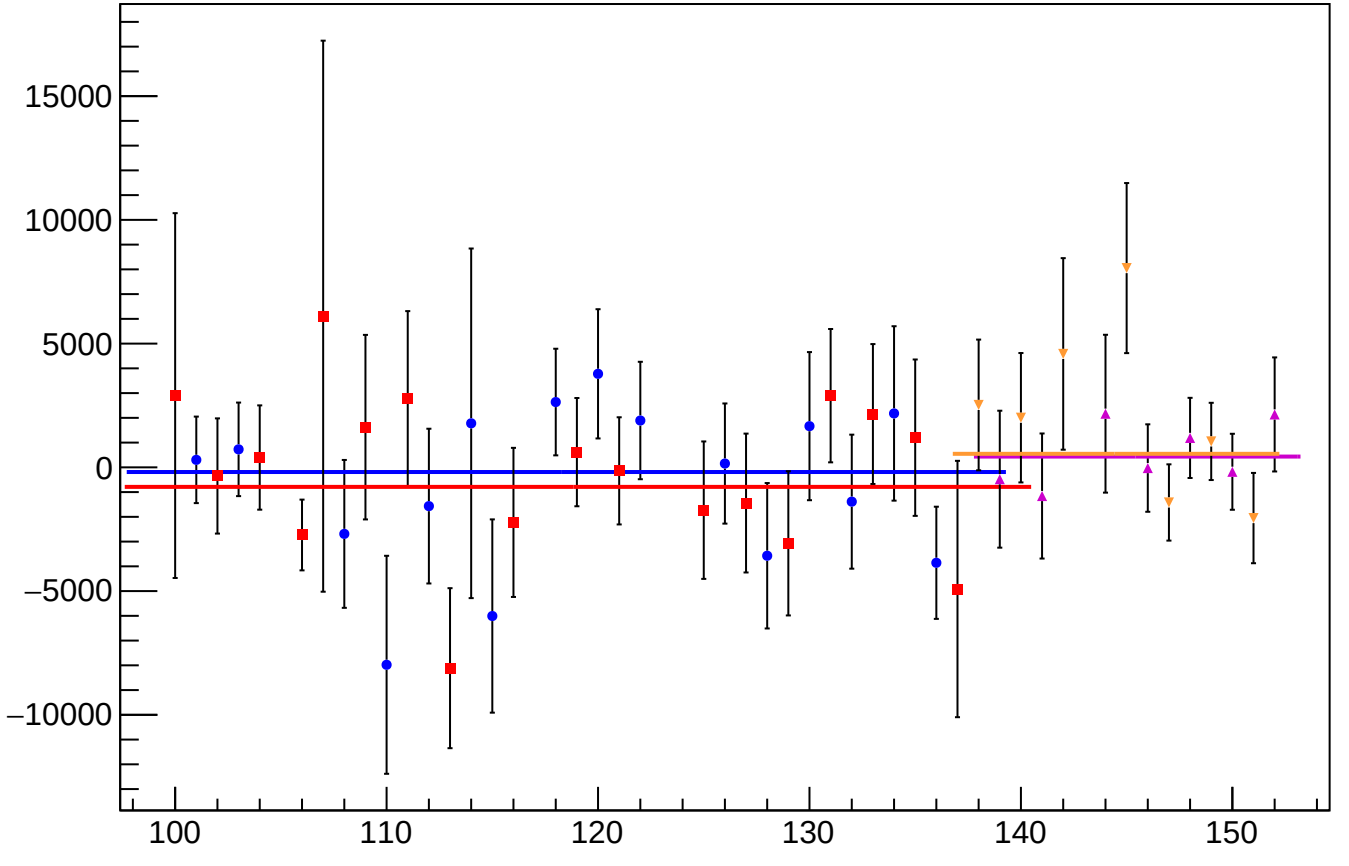
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2250.432+/-0.439 χ^2/NDF:533471.7/22

Out: 2264.811+/-0.452 χ^2/NDF:175898.4/24

All: 2257.410+/-0.315 χ^2/NDF: 709889.8/47

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: 546.546+/-797.265 χ^2/NDF:10.5/6

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 435.501+/-766.988 χ^2/NDF:1.8/6

Left: 488.875+/-552.736 χ^2/NDF: 12.3/13

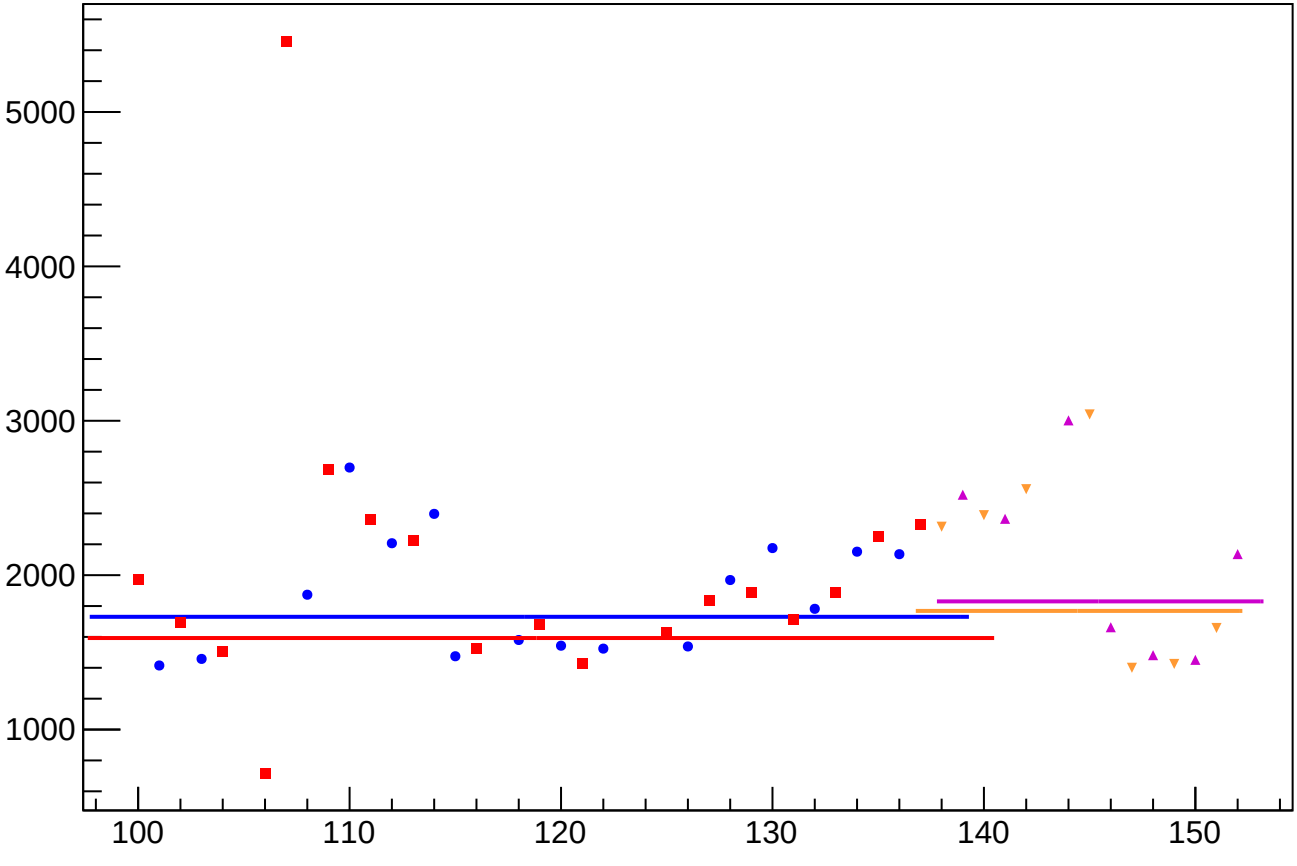
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 76.115+/-499.550 χ^2/NDF:18.6/22

Out: -270.911+/-496.657 χ^2/NDF:27.1/24

All: -98.405+/-352.208 χ^2/NDF: 46.0/47

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: 1830.168+/-0.542 χ^2/NDF:752201.6/6

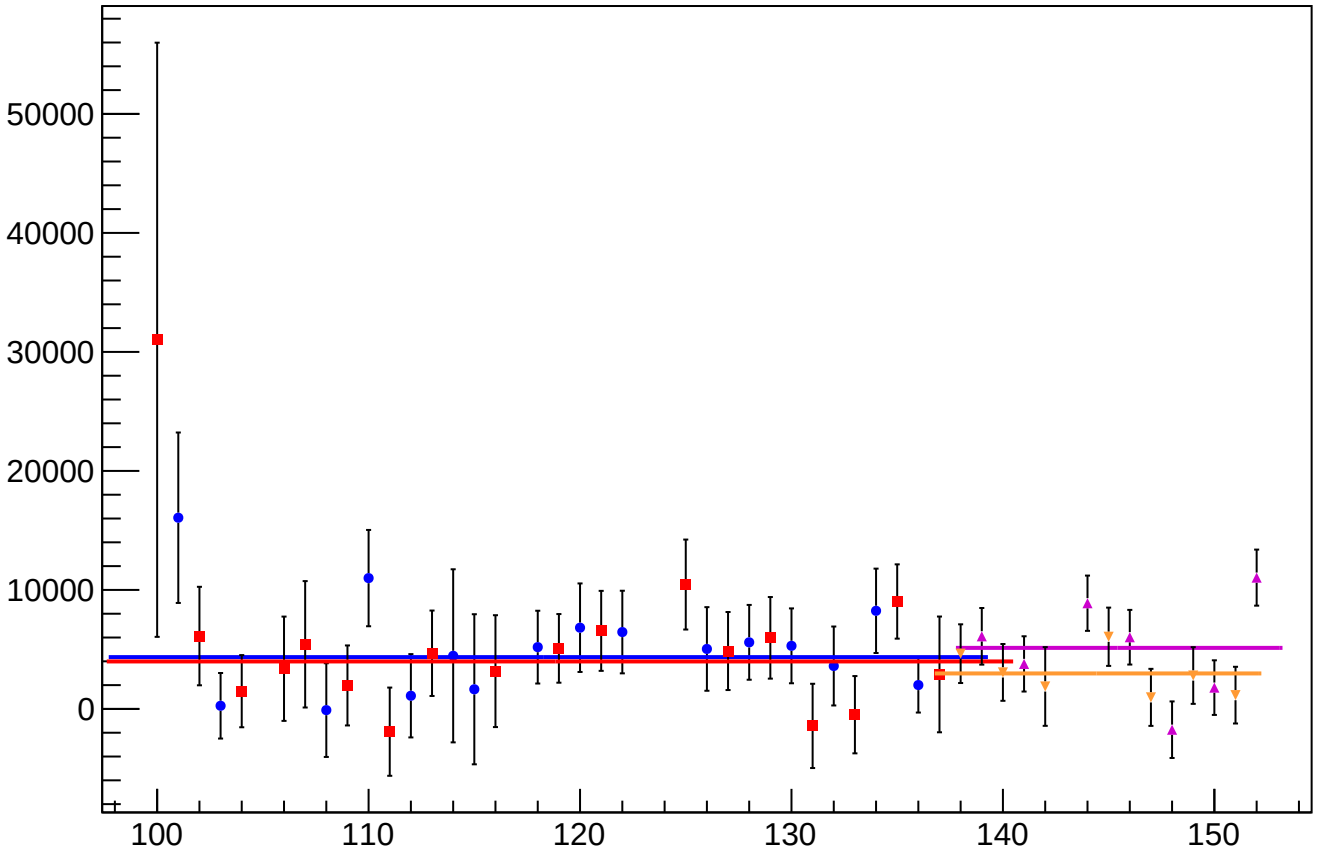
Left: 1800.498+/-0.391 χ^2/NDF: 1532077.9/13

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1772.658+/-0.353 χ^2/NDF:1250662.4/22

Out: 1660.975+/-0.351 χ^2/NDF:2389237.1/24

All: 1716.492+/-0.249 χ^2/NDF: 3690171.6/47



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: 5130.028+/-882.431 χ^2/NDF:20.0/6

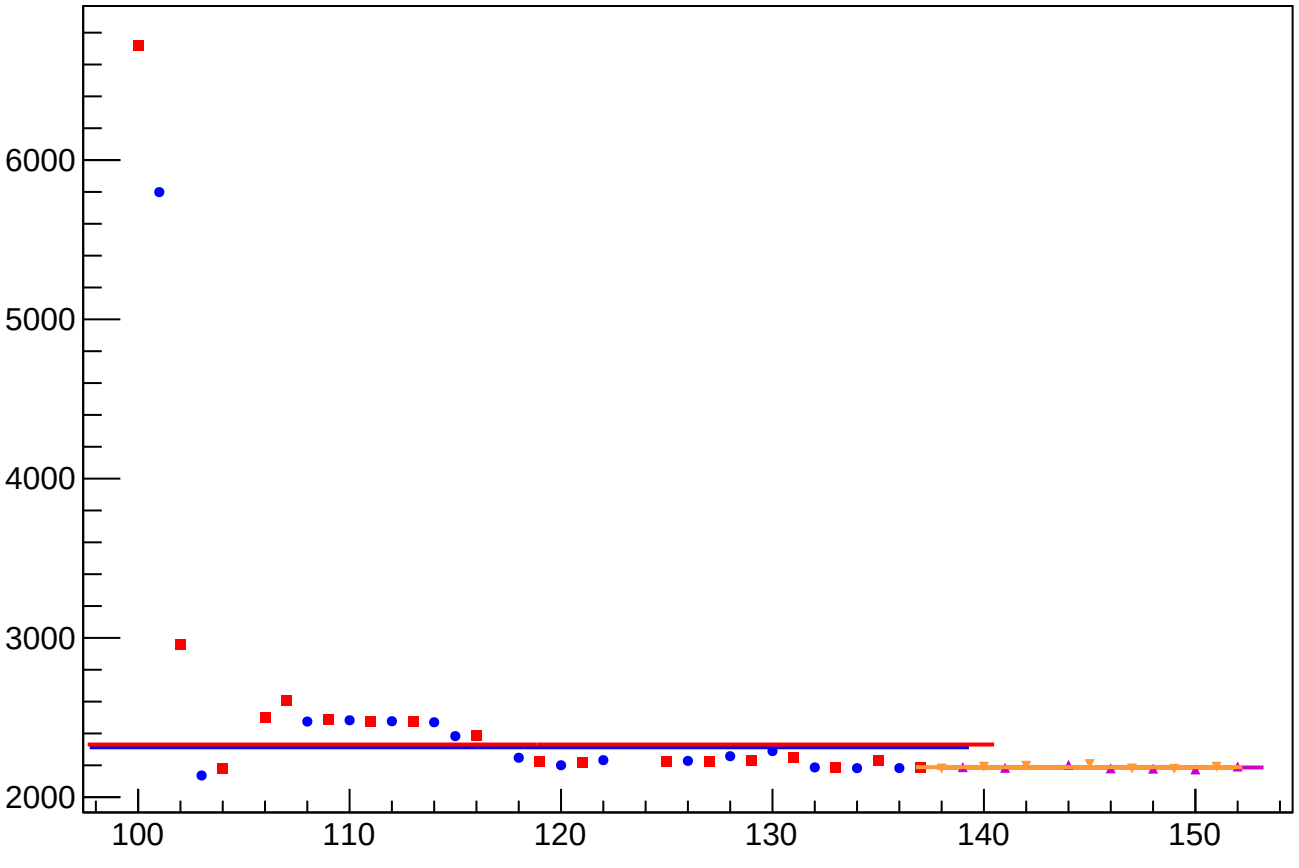
Left: 4127.137+/-644.293 χ^2/NDF: 26.2/13

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4738.635+/-621.384 χ^2/NDF:33.8/22

Out: 3525.603+/-639.984 χ^2/NDF:20.2/24

All: 4150.002+/-445.816 χ^2/NDF: 55.8/47



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: 2186.400+/-0.624 χ^2/NDF:210.9/6

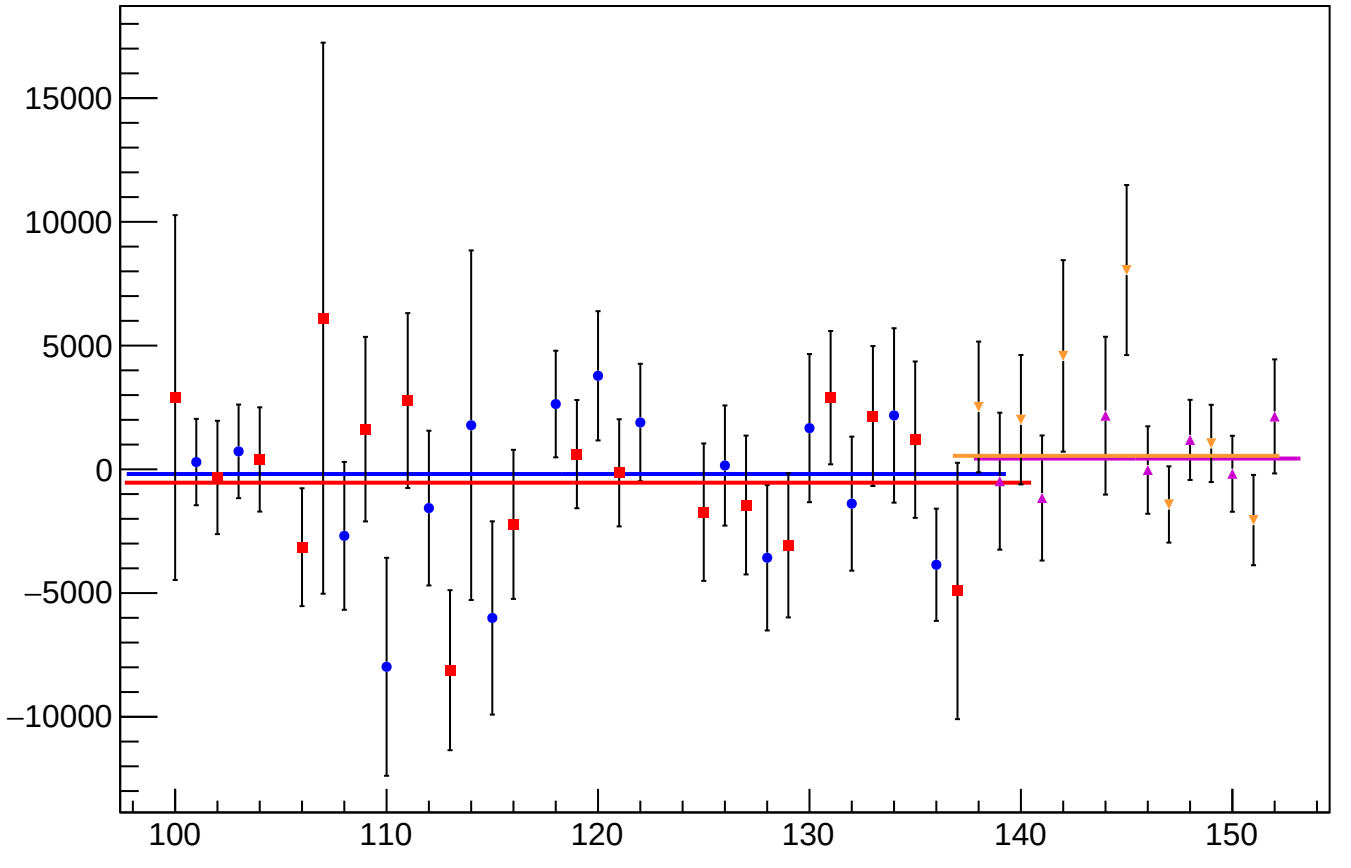
Left: 2187.256+/-0.456 χ^2/NDF: 446.6/13

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2250.432+/-0.439 χ^2/NDF:533472.1/22

Out: 2264.998+/-0.453 χ^2/NDF:176368.0/24

All: 2257.501+/-0.315 χ^2/NDF: 710373.4/47



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: 435.623+/-766.990 χ^2/NDF:1.8/6

Left: 488.745+/-552.736 χ^2/NDF: 12.3/13

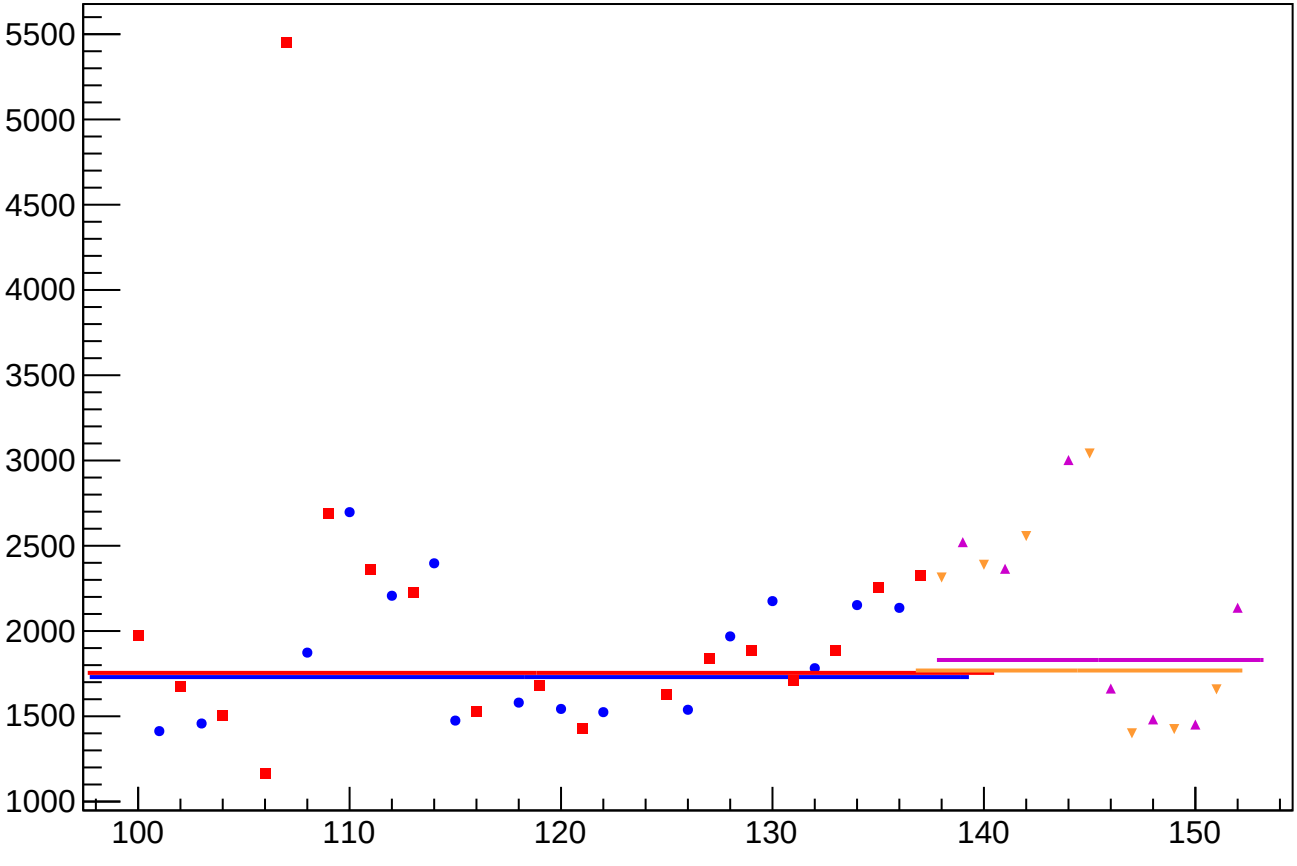
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 75.471+/-499.494 χ^2/NDF:18.6/22

Out: -83.716+/-516.585 χ^2/NDF:25.5/24

All: -1.445+/-359.086 χ^2/NDF: 44.1/47

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1768.432+/-0.564 χ^2/NDF:773646.6/6

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1830.172+/-0.542 χ^2/NDF:752206.9/6

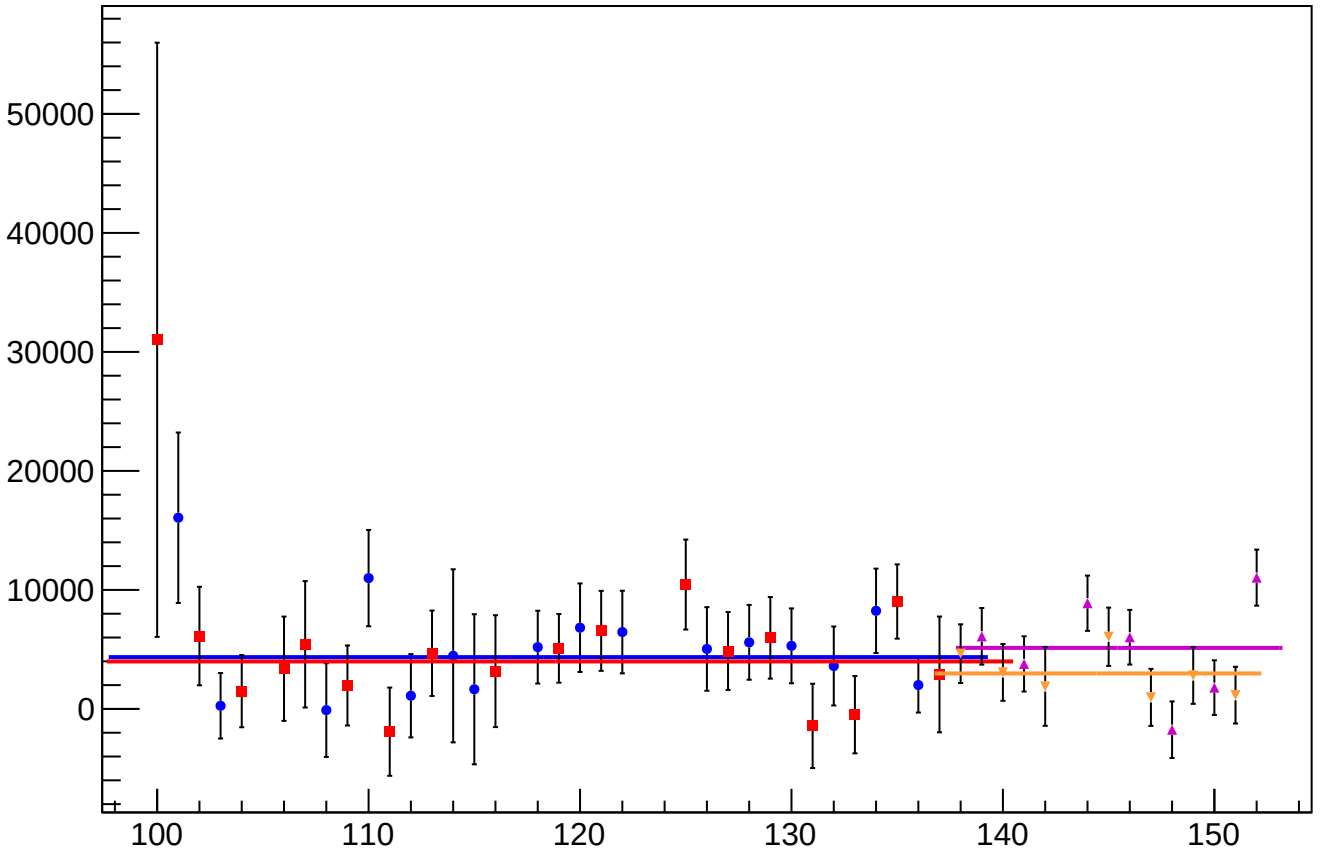
Left: 1800.497+/-0.391 χ^2/NDF: 1532082.5/13

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1772.426+/-0.353 χ^2/NDF:1251791.4/22

Out: 1760.365+/-0.365 χ^2/NDF:1525009.6/24

All: 1766.598+/-0.254 χ^2/NDF: 2777364.5/47



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: 5130.028+/-882.431 χ^2/NDF:20.0/6

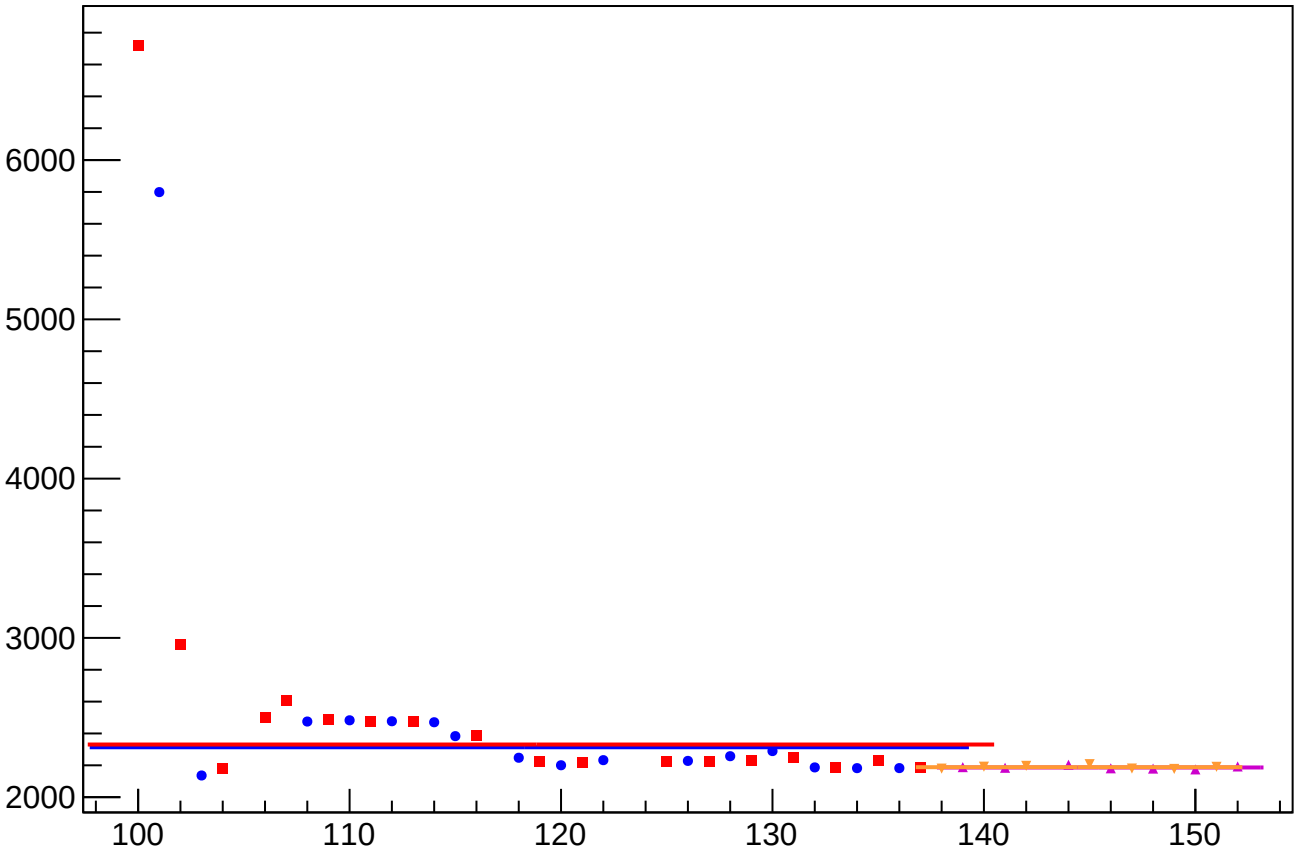
Left: 4127.137+/-644.293 χ^2/NDF: 26.2/13

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4738.635+/-621.384 χ^2/NDF:33.8/22

Out: 3525.603+/-639.984 χ^2/NDF:20.2/24

All: 4150.002+/-445.816 χ^2/NDF: 55.8/47



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: 2186.400+/-0.624 χ^2/NDF:210.9/6

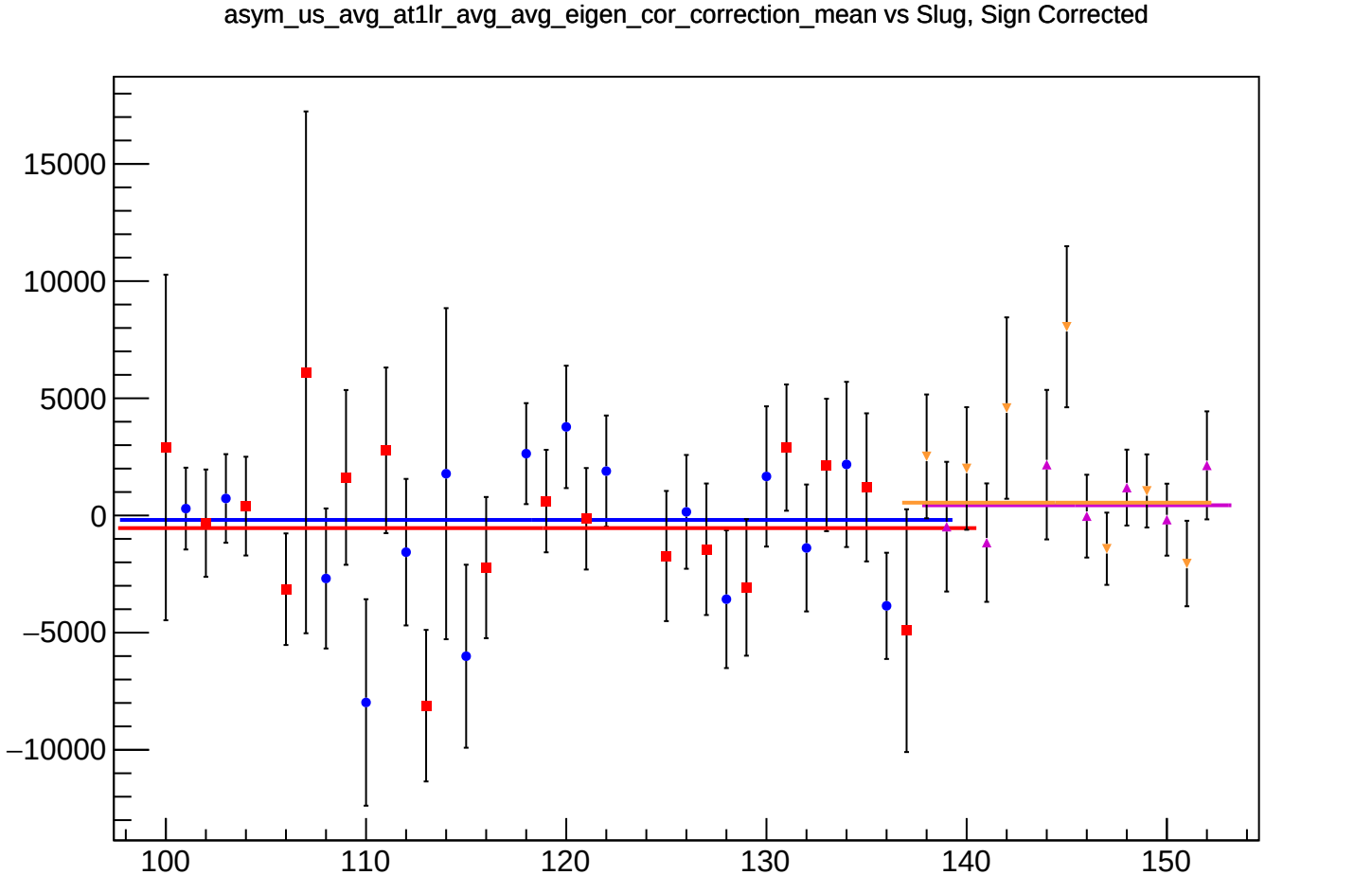
Left: 2187.256+/-0.456 χ^2/NDF: 446.6/13

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

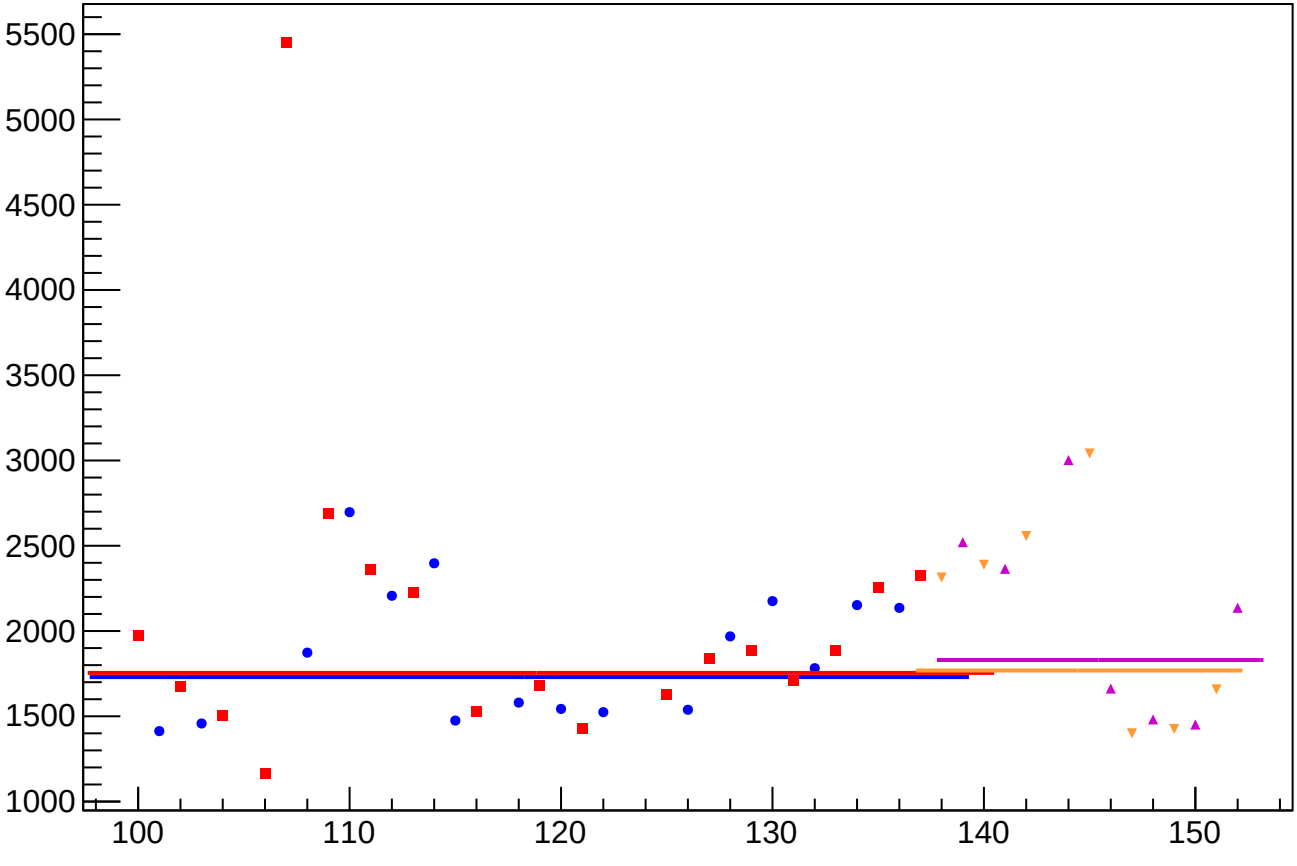
In: 2250.432+/-0.439 χ^2/NDF:533472.1/22

Out: 2264.998+/-0.453 χ^2/NDF:176368.0/24

All: 2257.501+/-0.315 χ^2/NDF: 710373.4/47


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 546.142+/-797.261 χ²/NDF:10.5/6
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 435.623+/-766.990 χ²/NDF:1.8/6
Left: 488.745+/-552.736 χ²/NDF: 12.3/13
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 75.471+/-499.494 χ²/NDF:18.6/22
Out: -83.716+/-516.585 χ²/NDF:25.5/24
All: -1.445+/-359.086 χ²/NDF: 44.1/47

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: 1830.172+/-0.542 χ^2/NDF:752206.9/6

Left: 1800.497+/-0.391 χ^2/NDF: 1532082.5/13

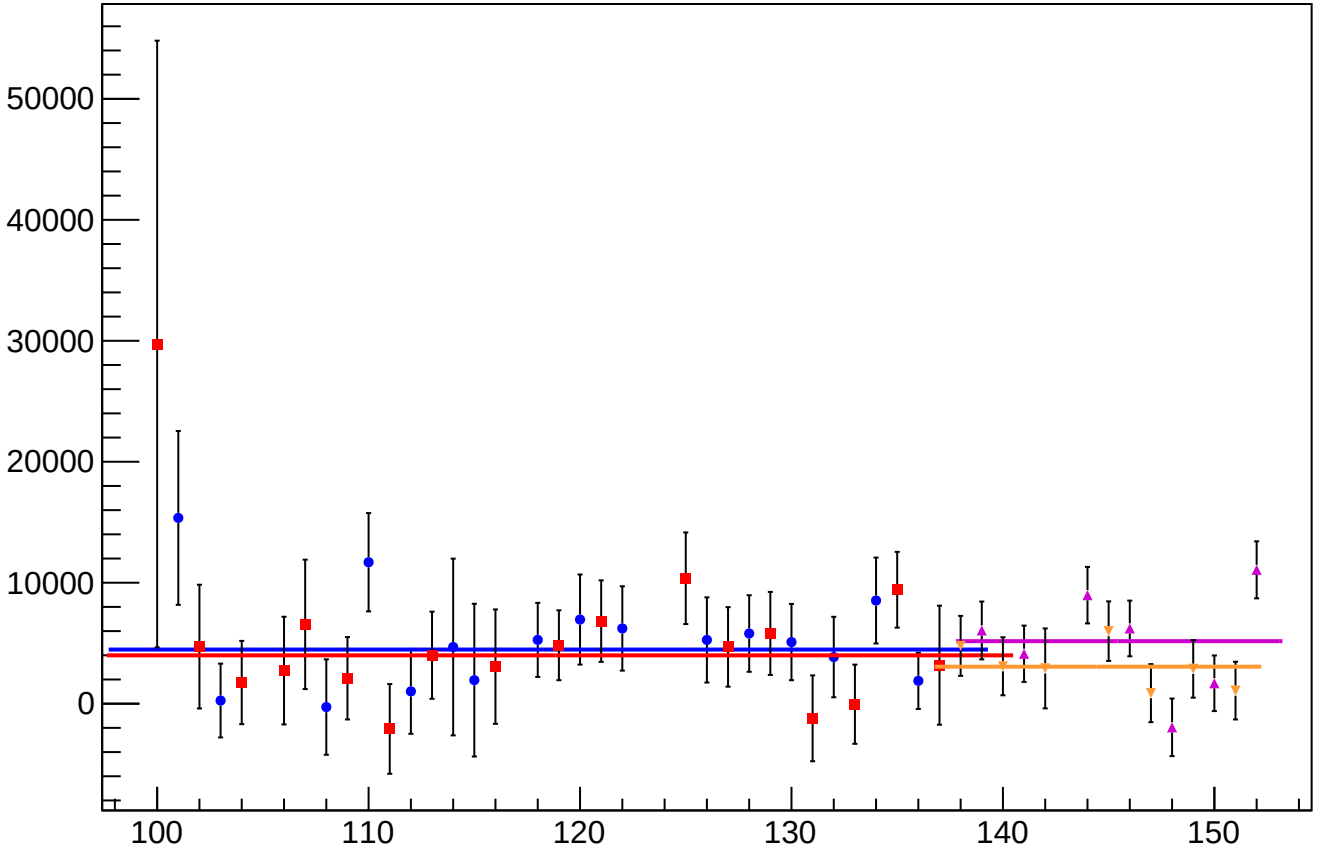
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1772.426+/-0.353 χ^2/NDF:1251791.4/22

Out: 1760.365+/-0.365 χ^2/NDF:1525009.6/24

All: 1766.598+/-0.254 χ^2/NDF: 2777364.5/47

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: 5168.124+/-884.867 χ^2/NDF:20.7/6

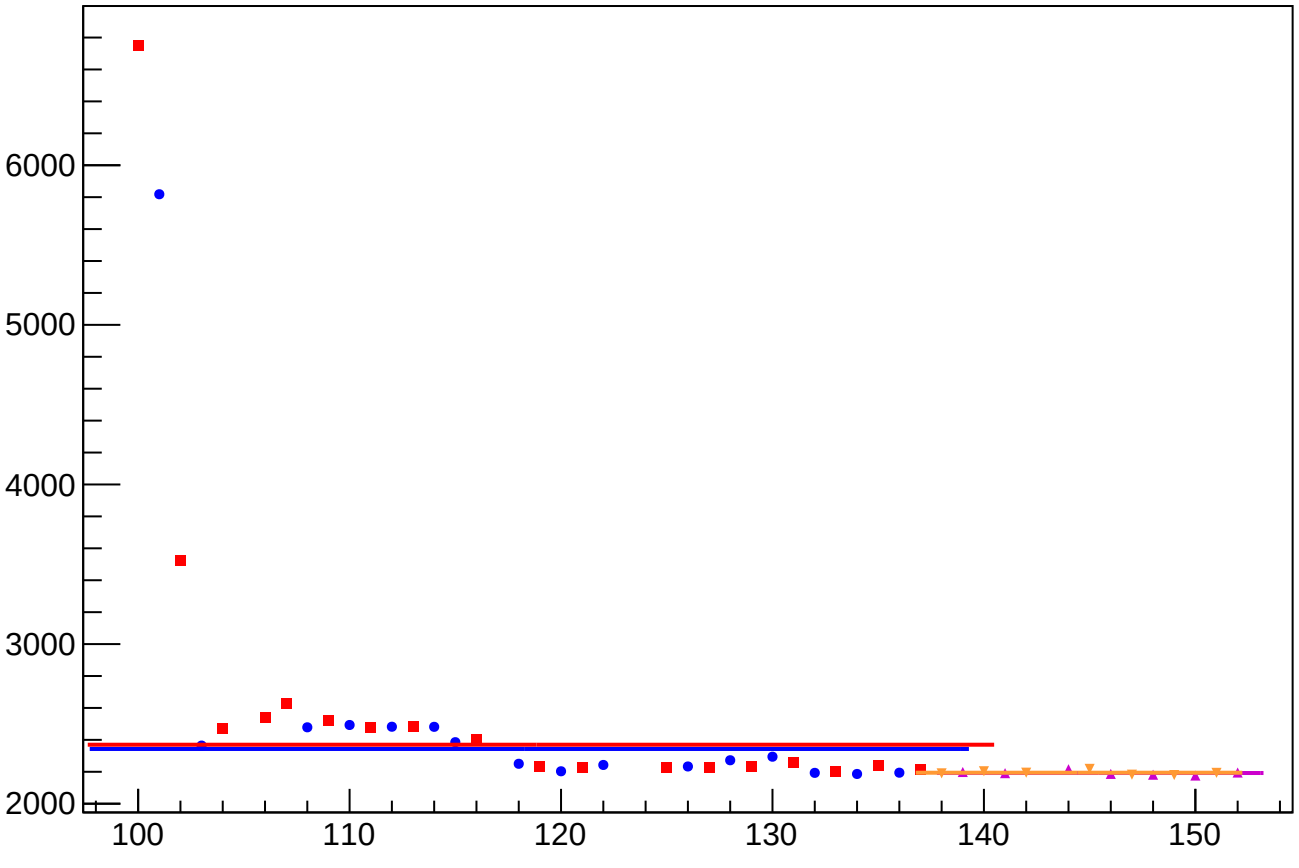
Left: 4182.985+/-646.080 χ^2/NDF: 26.8/13

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4822.754+/-626.126 χ^2/NDF:34.6/22

Out: 3555.078+/-648.240 χ^2/NDF:19.4/24

All: 4210.907+/-450.353 χ^2/NDF: 56.0/47



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: 2192.312+/-0.626 χ^2/NDF:373.7/6

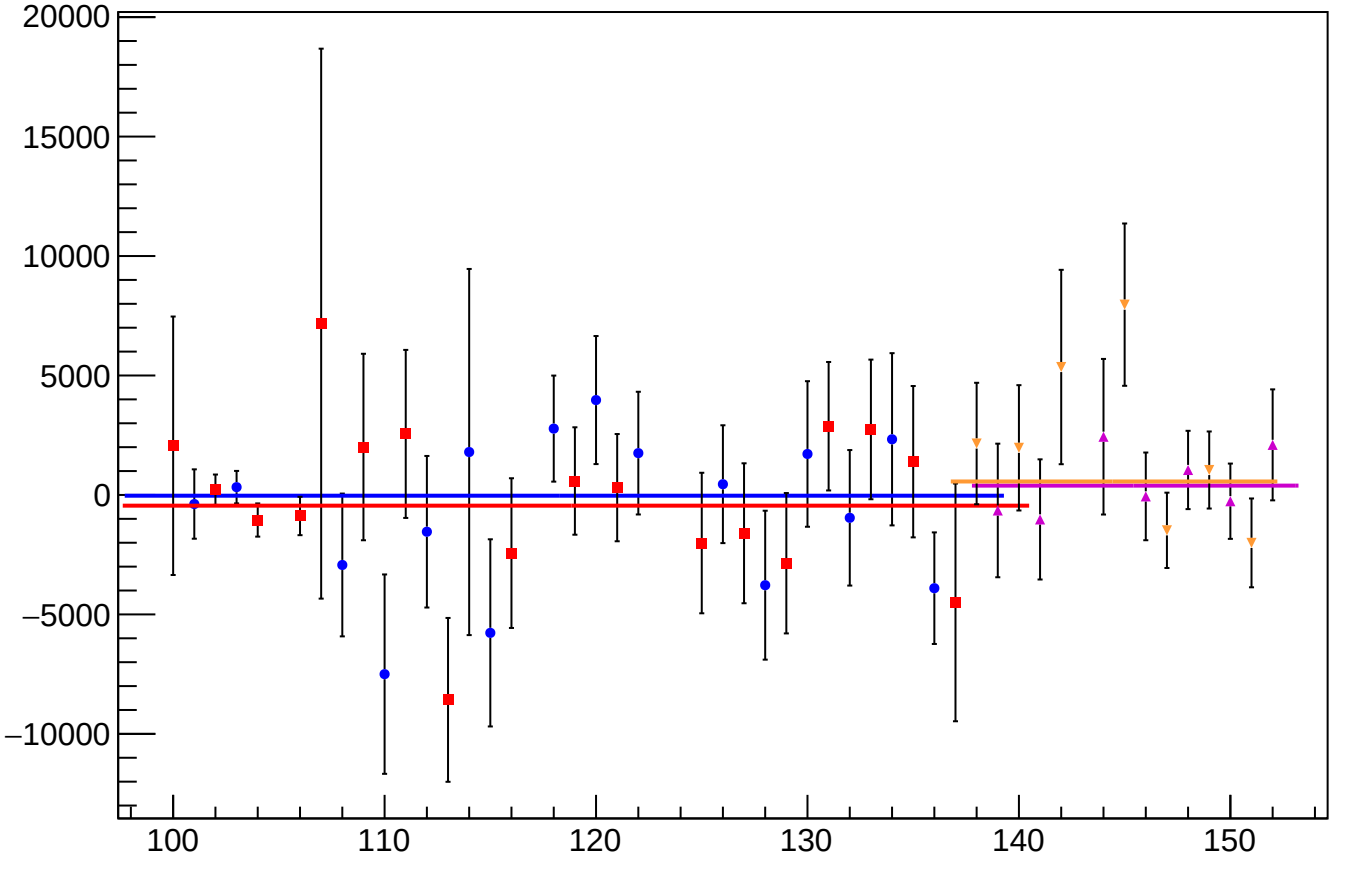
Left: 2193.175+/-0.457 χ^2/NDF: 731.8/13

Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2267.509+/-0.443 χ^2/NDF:532167.2/22

Out: 2287.126+/-0.458 χ^2/NDF:246981.2/24

All: 2276.978+/-0.318 χ^2/NDF: 780095.9/47



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: 390.502+/-781.390 χ^2/NDF:1.8/6

Left: 474.016+/-562.438 χ^2/NDF: 12.3/13

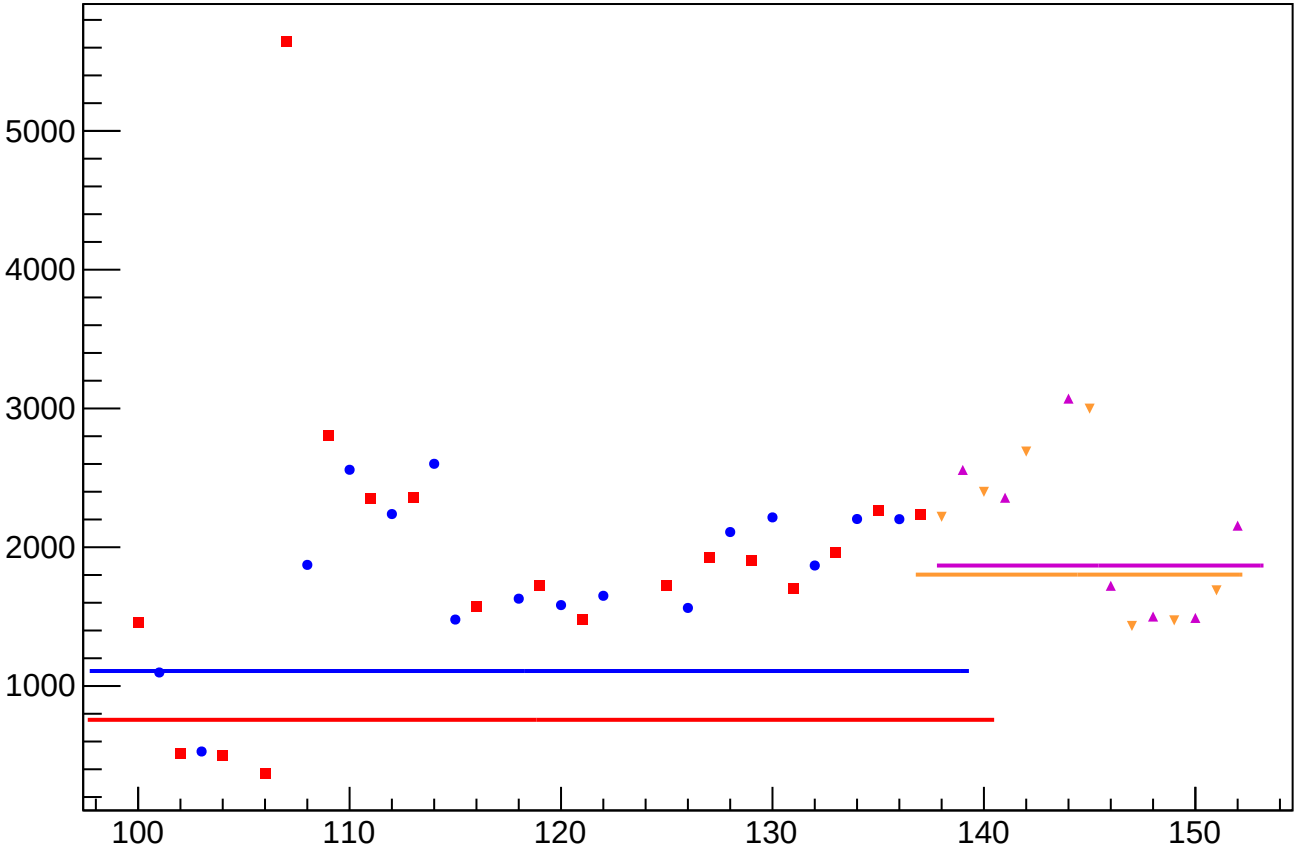
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 86.055+/-412.277 χ^2/NDF:18.3/22

Out: -279.402+/-330.944 χ^2/NDF:26.9/24

All: -136.193+/-258.081 χ^2/NDF: 45.7/47

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: 1868.154+/-0.553 χ^2/NDF:728613.8/6

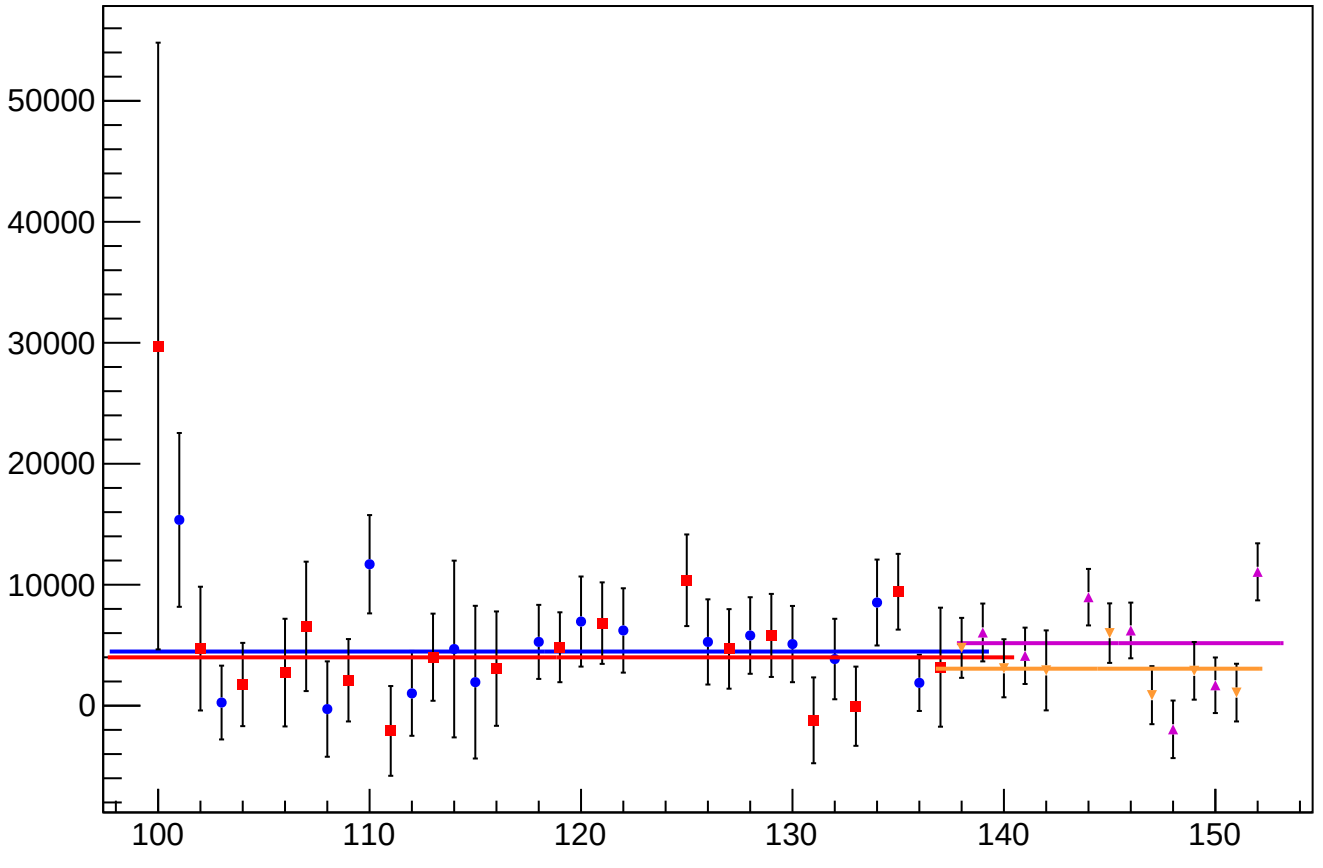
Left: 1836.619+/-0.398 χ^2/NDF: 1436558.8/13

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1319.714+/-0.292 χ^2/NDF:5840445.0/22

Out: 930.989+/-0.234 χ^2/NDF:9083289.5/24

All: 1083.316+/-0.182 χ^2/NDF: 16005015.7/4



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: 5168.126+/-884.867 χ^2/NDF:20.7/6

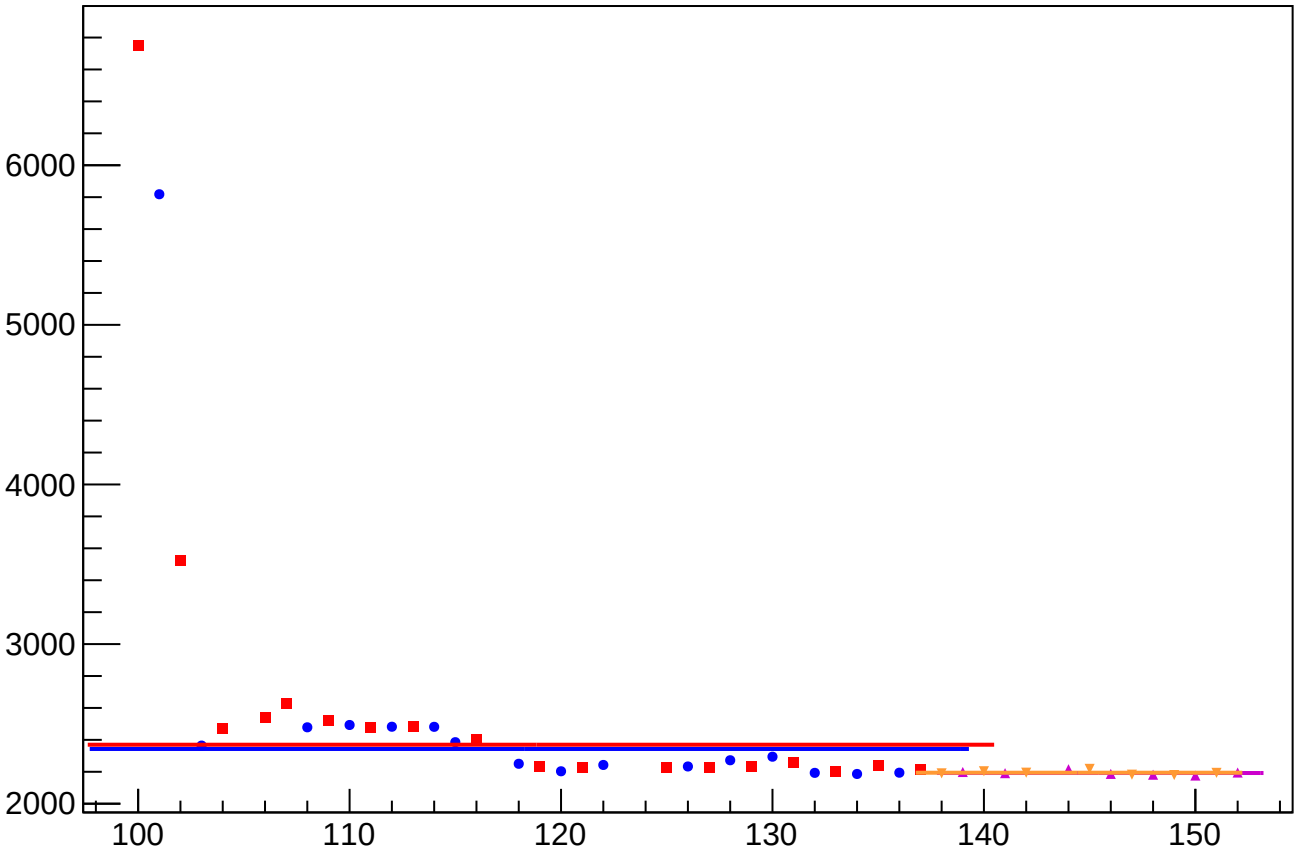
Left: 4182.987+/-646.080 χ^2/NDF: 26.8/13

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

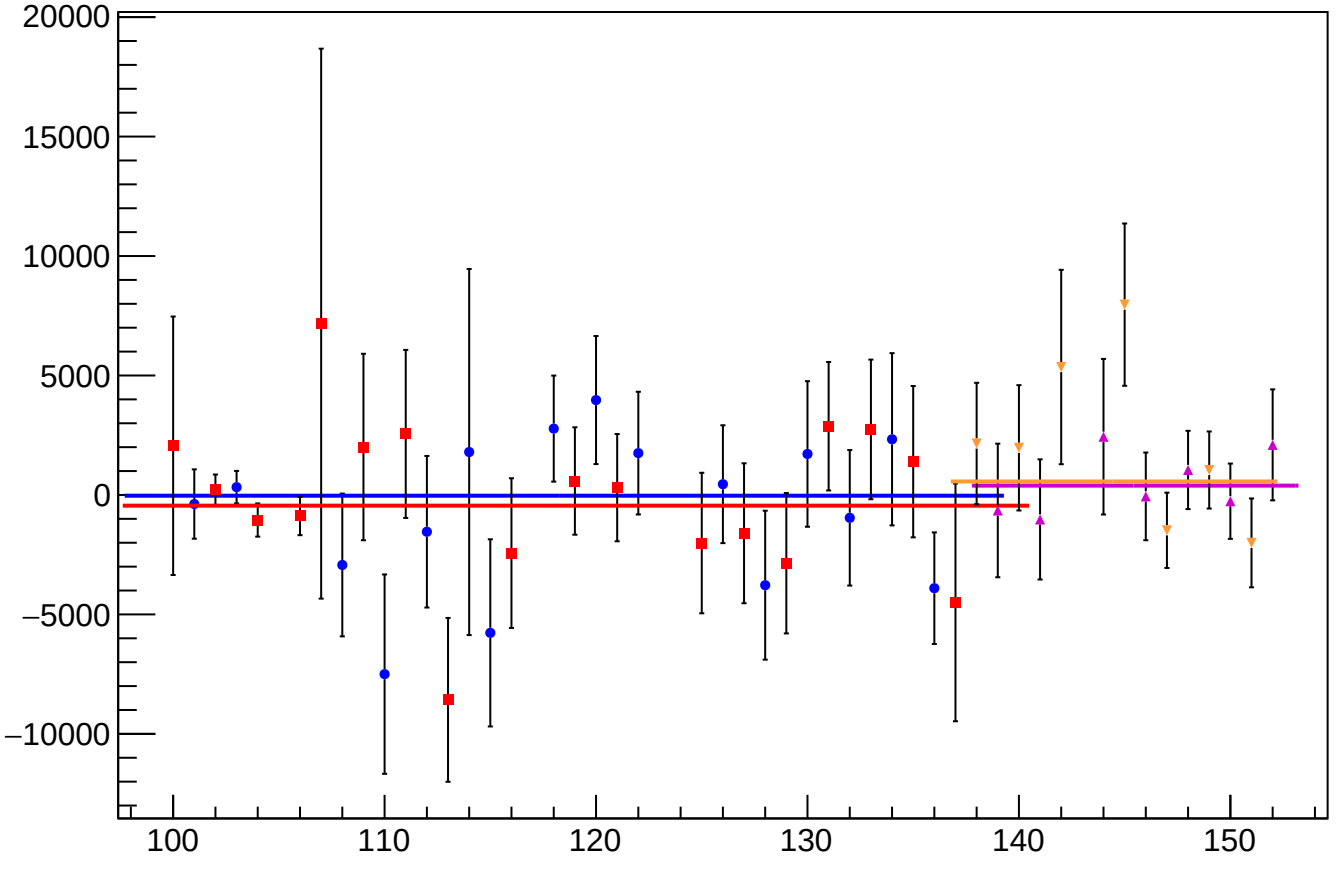
In: 4822.753+/-626.126 χ^2/NDF:34.6/22

Out: 3555.078+/-648.240 χ^2/NDF:19.4/24

All: 4210.907+/-450.353 χ^2/NDF: 56.0/47


eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 2342.913+/-0.627 χ²/NDF: 502866.3/15
Left Out: 2194.161+/-0.669 χ²/NDF:354.0/6
Right Out: 2369.572+/-0.630 χ²/NDF: 210146.5/17
Left In: 2192.312+/-0.626 χ²/NDF:373.7/6
Left: 2193.175+/-0.457 χ²/NDF: 731.8/13
Right: 2356.177+/-0.444 χ²/NDF: 713913.5/33
In: 2267.509+/-0.443 χ²/NDF:532167.0/22
Out: 2287.126+/-0.458 χ²/NDF:246979.9/24
All: 2276.977+/-0.318 χ²/NDF: 780094.4/47

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: 563.800+/-810.209 χ^2/NDF:10.5/6

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 390.504+/-781.392 χ^2/NDF:1.8/6

Left: 474.015+/-562.439 χ^2/NDF: 12.3/13

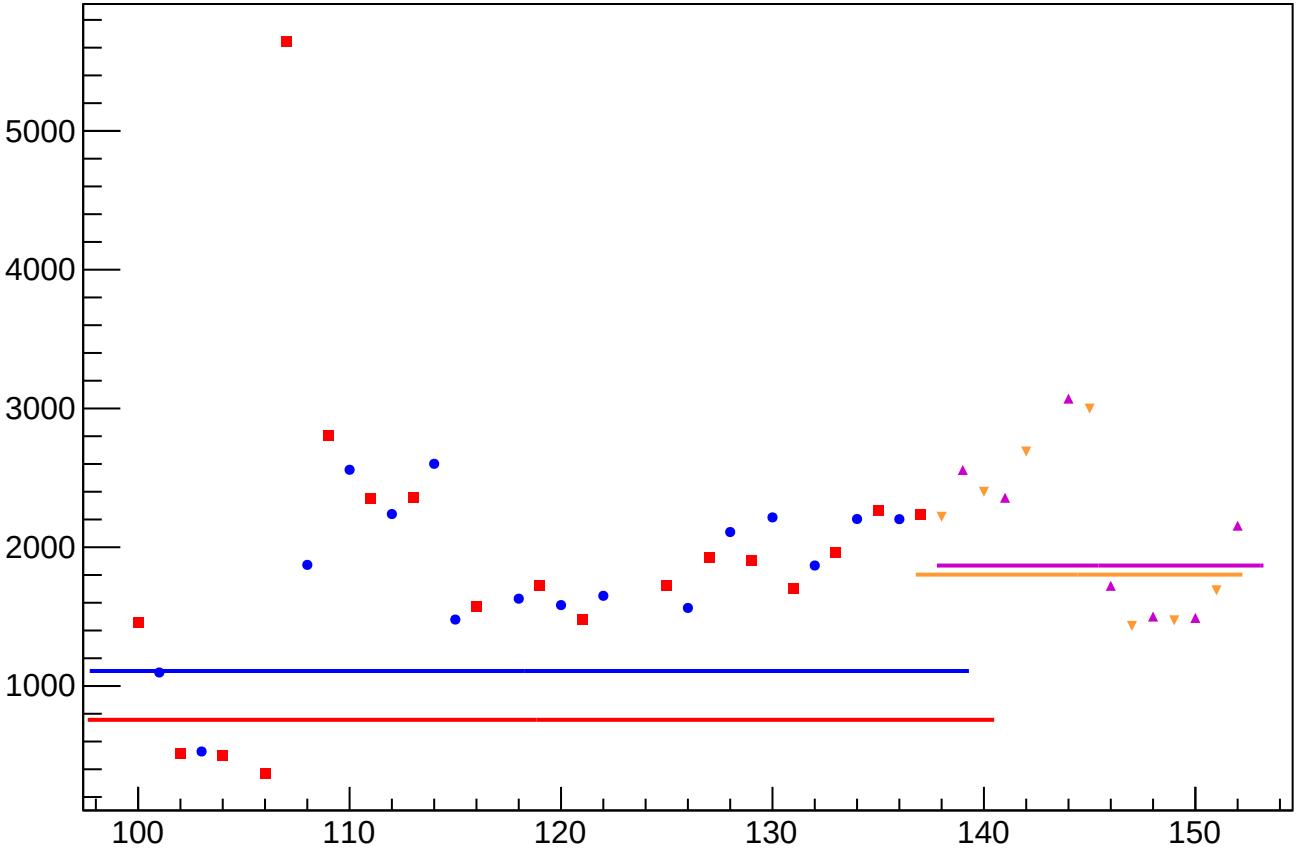
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 86.052+/-412.279 χ^2/NDF:18.3/22

Out: -279.402+/-330.948 χ^2/NDF:26.9/24

All: -136.194+/-258.083 χ^2/NDF: 45.7/47

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: 1868.158+/-0.553 χ^2/NDF:728613.2/6

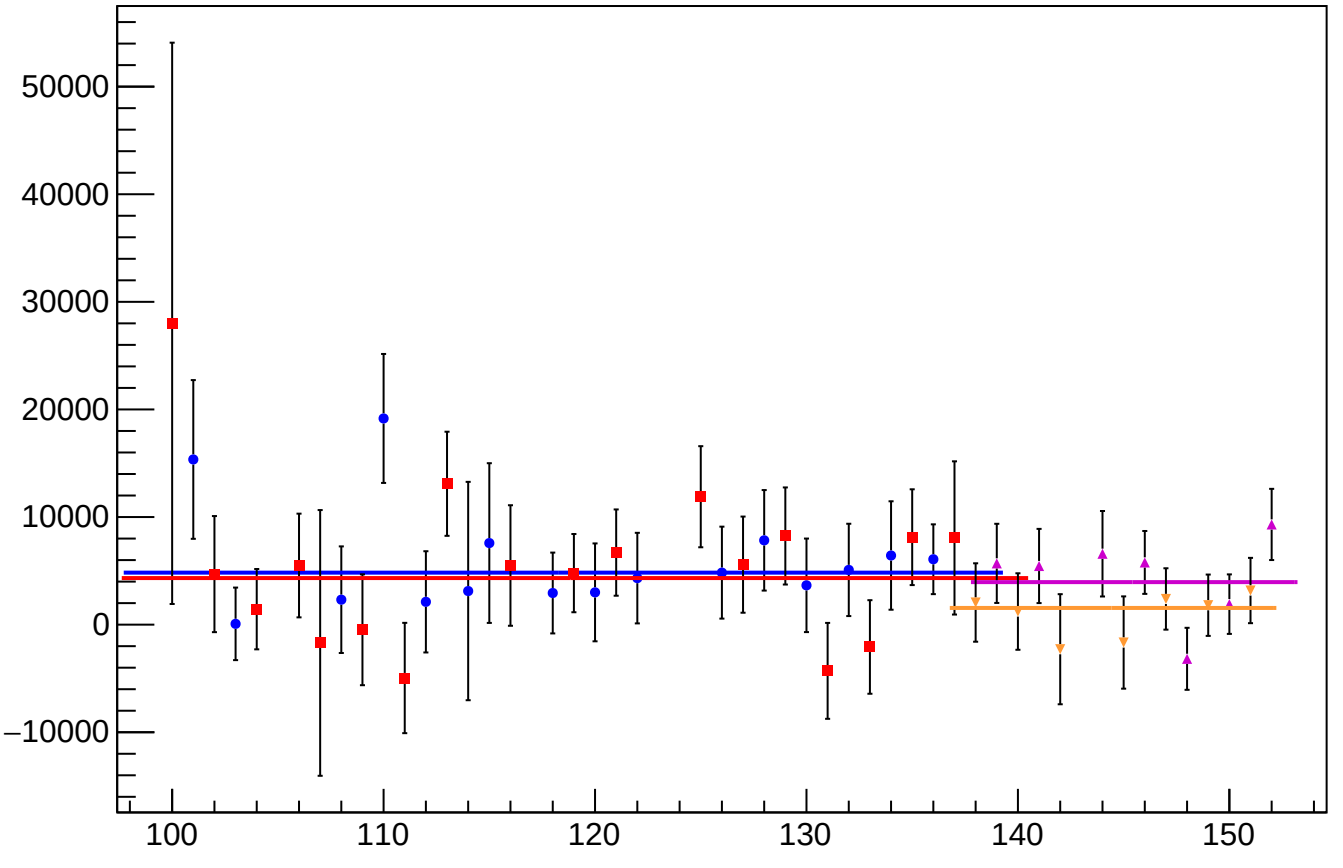
Left: 1836.622+/-0.398 χ^2/NDF: 1436558.3/13

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1319.724+/-0.292 χ^2/NDF:5840338.5/22

Out: 931.006+/-0.234 χ^2/NDF:9083087.5/24

All: 1083.331+/-0.182 χ^2/NDF: 16004651.6/4



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: 3952.168+/-1211.703 χ^2/NDF:10.5/6

Left: 2826.494+/-882.933 χ^2/NDF: 13.9/13

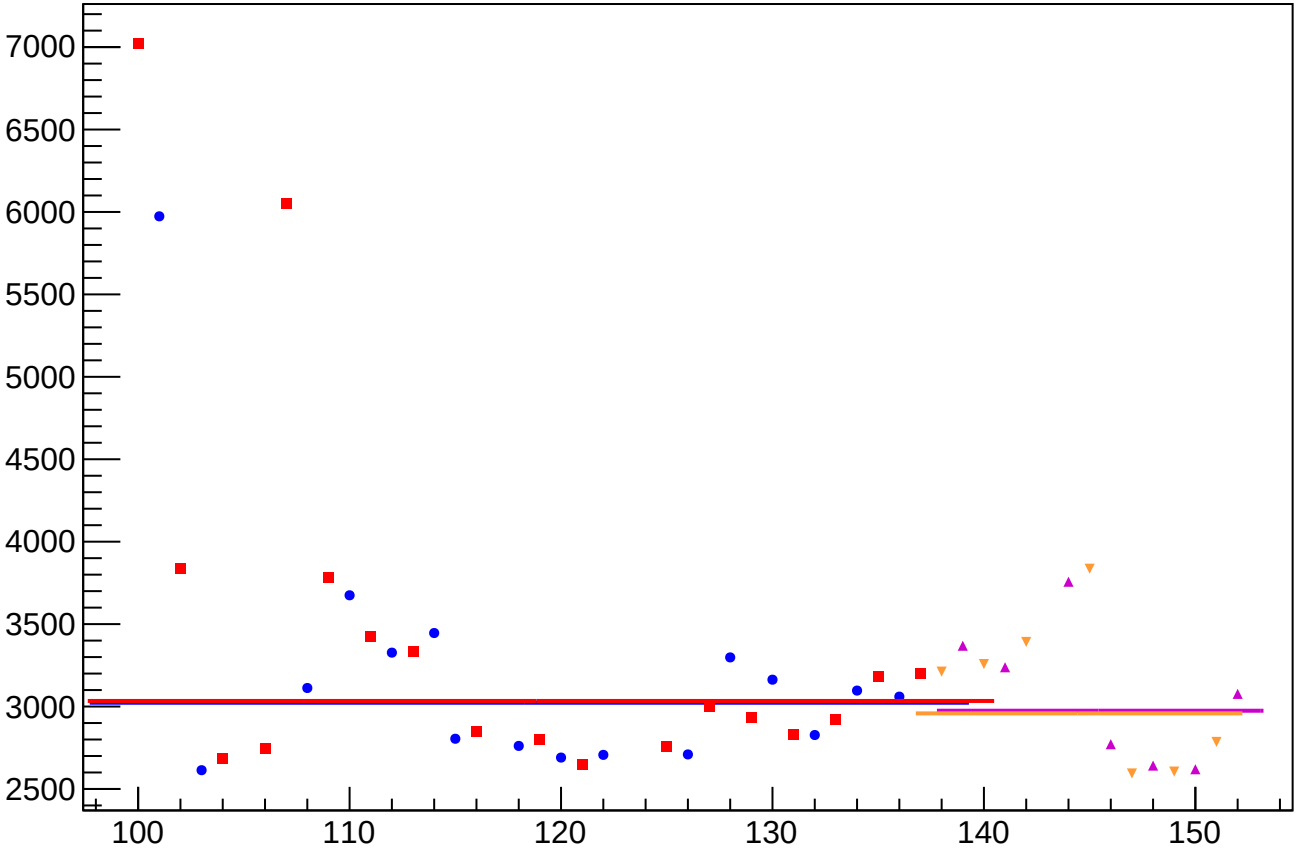
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4418.868+/-831.272 χ^2/NDF:22.5/22

Out: 3104.858+/-855.909 χ^2/NDF:24.0/24

All: 3781.047+/-596.318 χ^2/NDF: 47.7/47

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 2958.416+/-0.912 χ^2/NDF:191791.6/6

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 2974.635+/-0.857 χ^2/NDF:183490.9/6

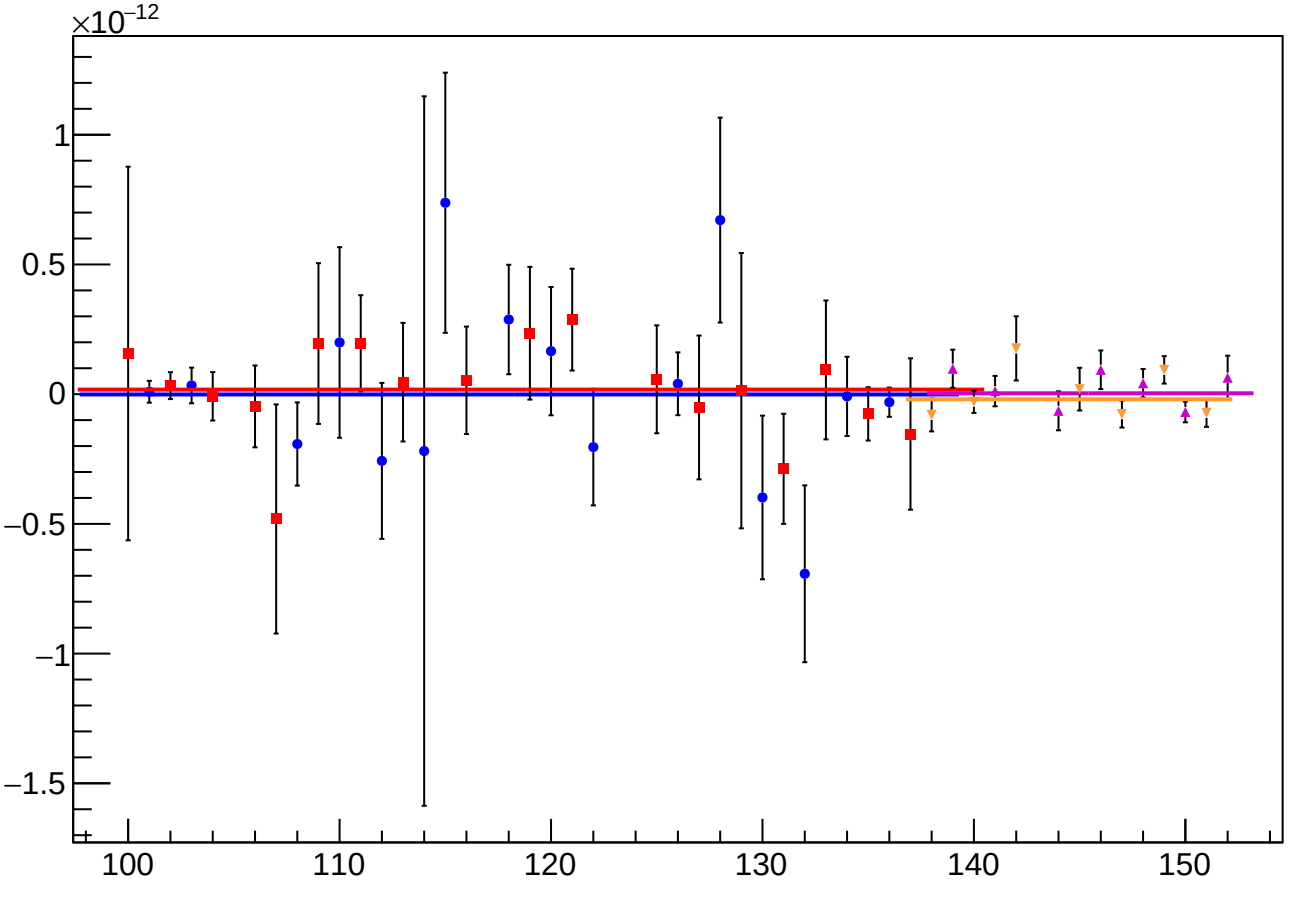
Left: 2967.028+/-0.624 χ^2/NDF: 375450.5/13

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3000.274+/-0.588 χ^2/NDF:628888.2/22

Out: 3000.612+/-0.605 χ^2/NDF:538297.4/24

All: 3000.438+/-0.422 χ^2/NDF: 1167185.8/47



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:8.3/6

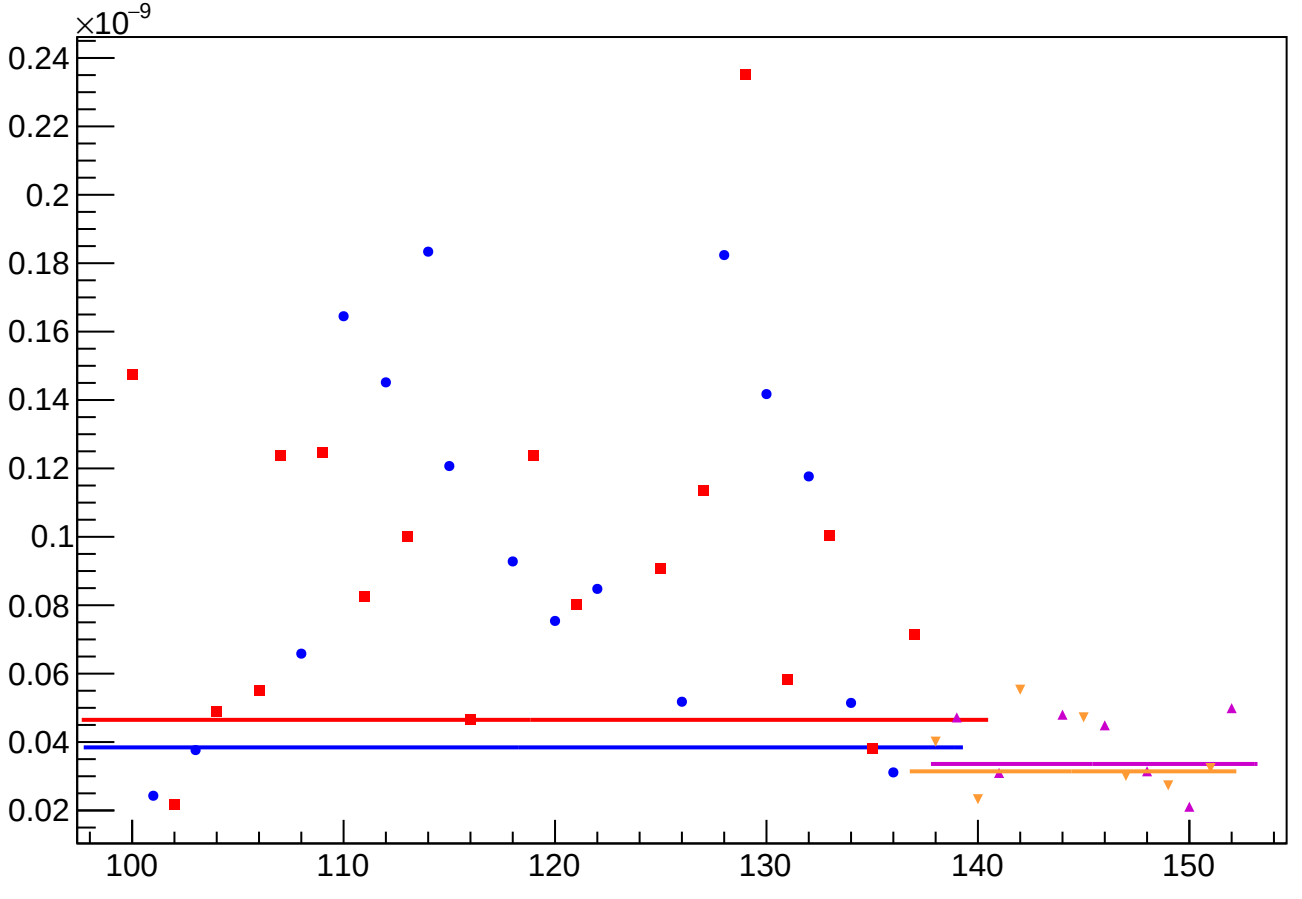
Left: -0.000+/-0.000 χ^2/NDF: 19.3/13

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: 0.000+/-0.000 χ^2/NDF:25.4/22

Out: -0.000+/-0.000 χ^2/NDF:20.3/24

All: -0.000+/-0.000 χ^2/NDF: 45.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:270784.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:467901.9/6

Left: 0.000+/-0.000 χ^2/NDF: 748057.4/13

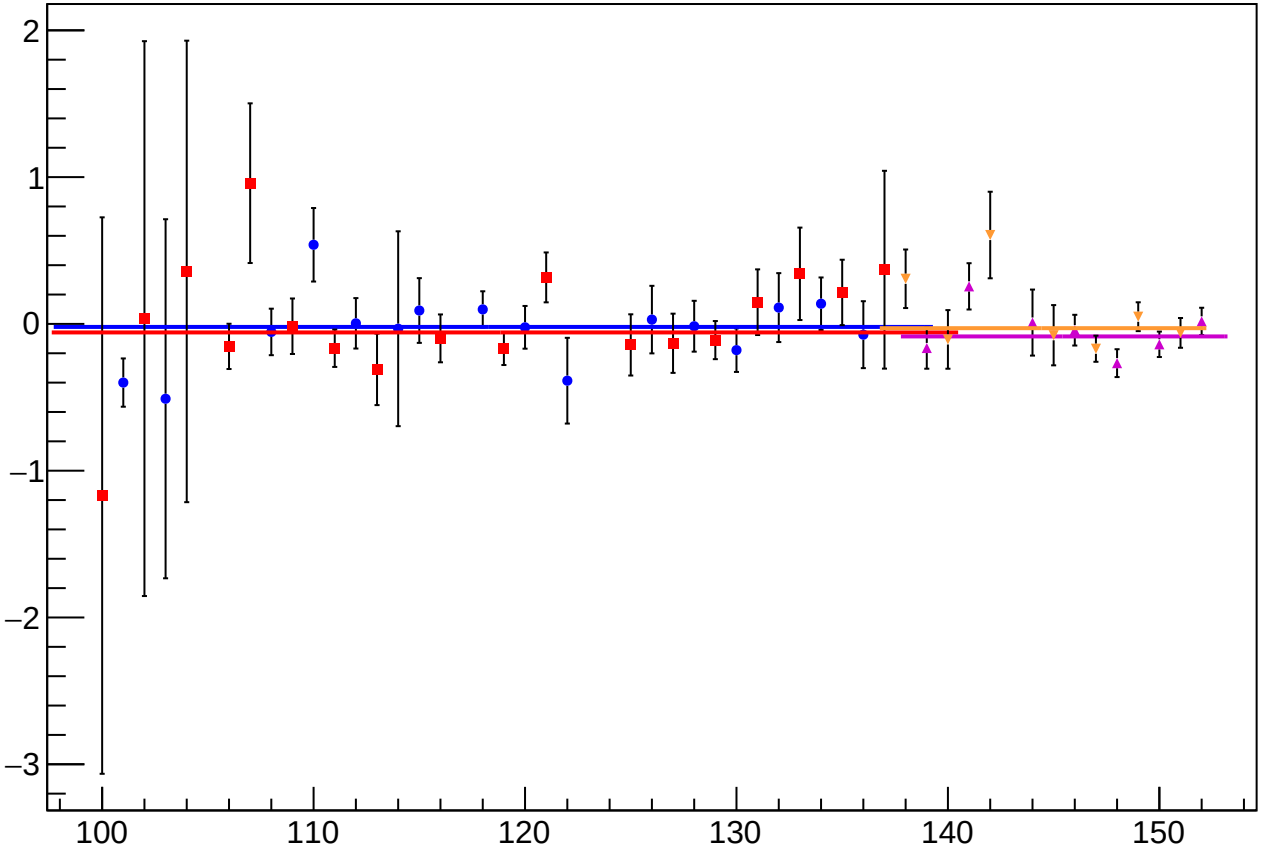
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:2276679.8/22

Out: 0.000+/-0.000 χ^2/NDF:2239003.3/24

All: 0.000+/-0.000 χ^2/NDF: 4515795.0/47

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: -0.085+/-0.042 χ^2/NDF:10.6/6

Left: -0.061+/-0.032 χ^2/NDF: 22.3/13

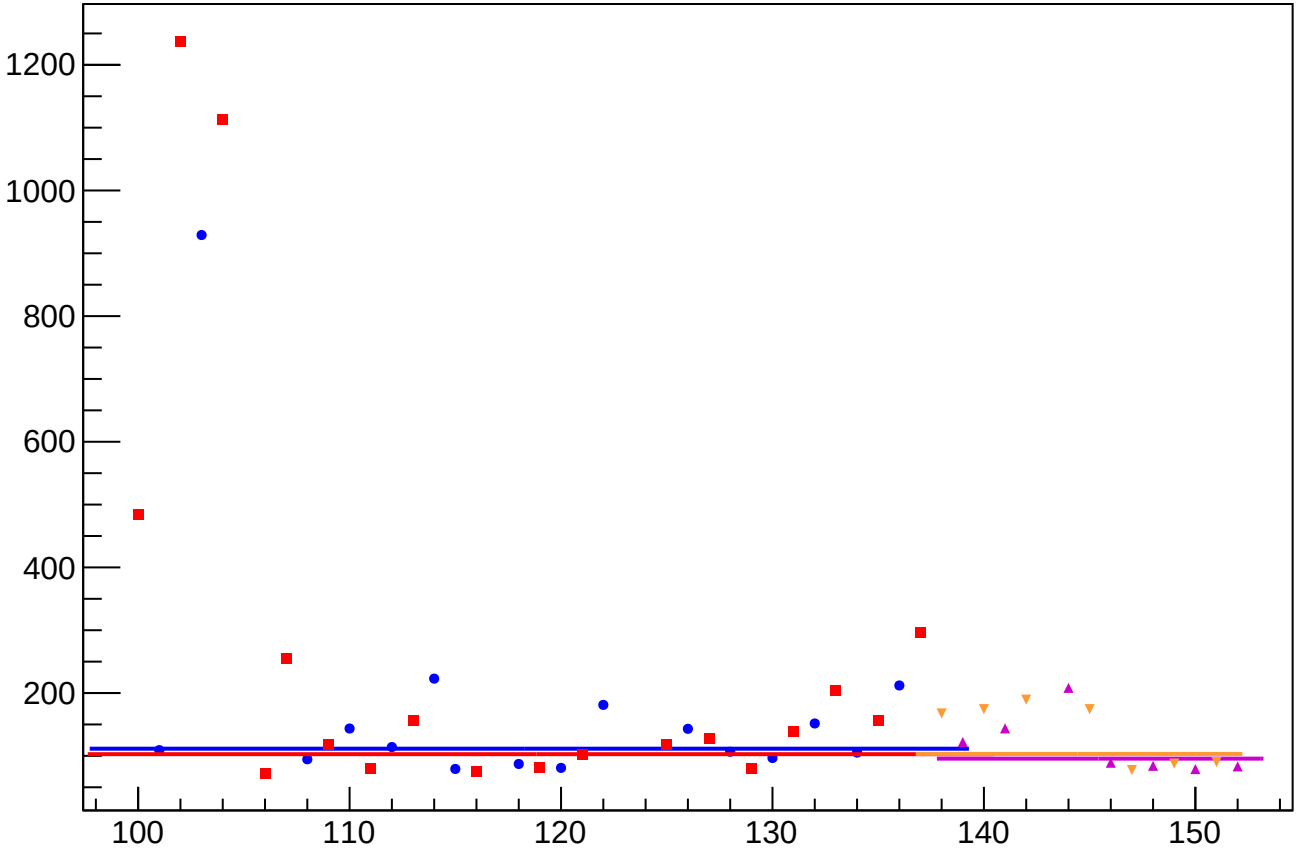
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.057+/-0.032 χ^2/NDF:27.3/22

Out: -0.044+/-0.034 χ^2/NDF:27.9/24

All: -0.051+/-0.023 χ^2/NDF: 55.3/47

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: 95.595+/-0.030 χ^2/NDF:903575.4/6

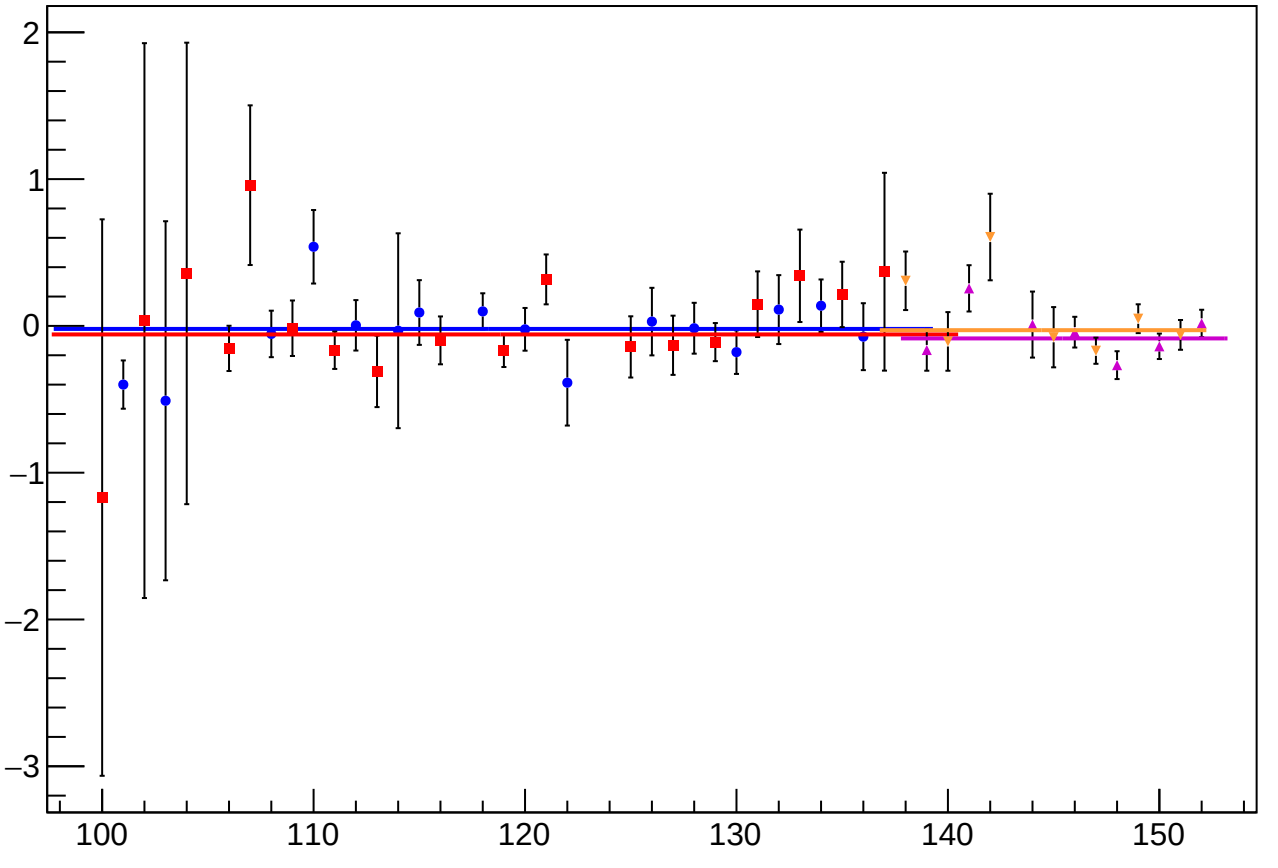
Left: 98.763+/-0.023 χ^2/NDF: 2054422.4/13

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 102.552+/-0.022 χ^2/NDF:2866378.4/22

Out: 102.859+/-0.024 χ^2/NDF:3951201.8/24

All: 102.695+/-0.016 χ^2/NDF: 6817668.4/47



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: -0.085+/-0.042 χ^2/NDF:10.6/6

Left: -0.061+/-0.032 χ^2/NDF: 22.3/13

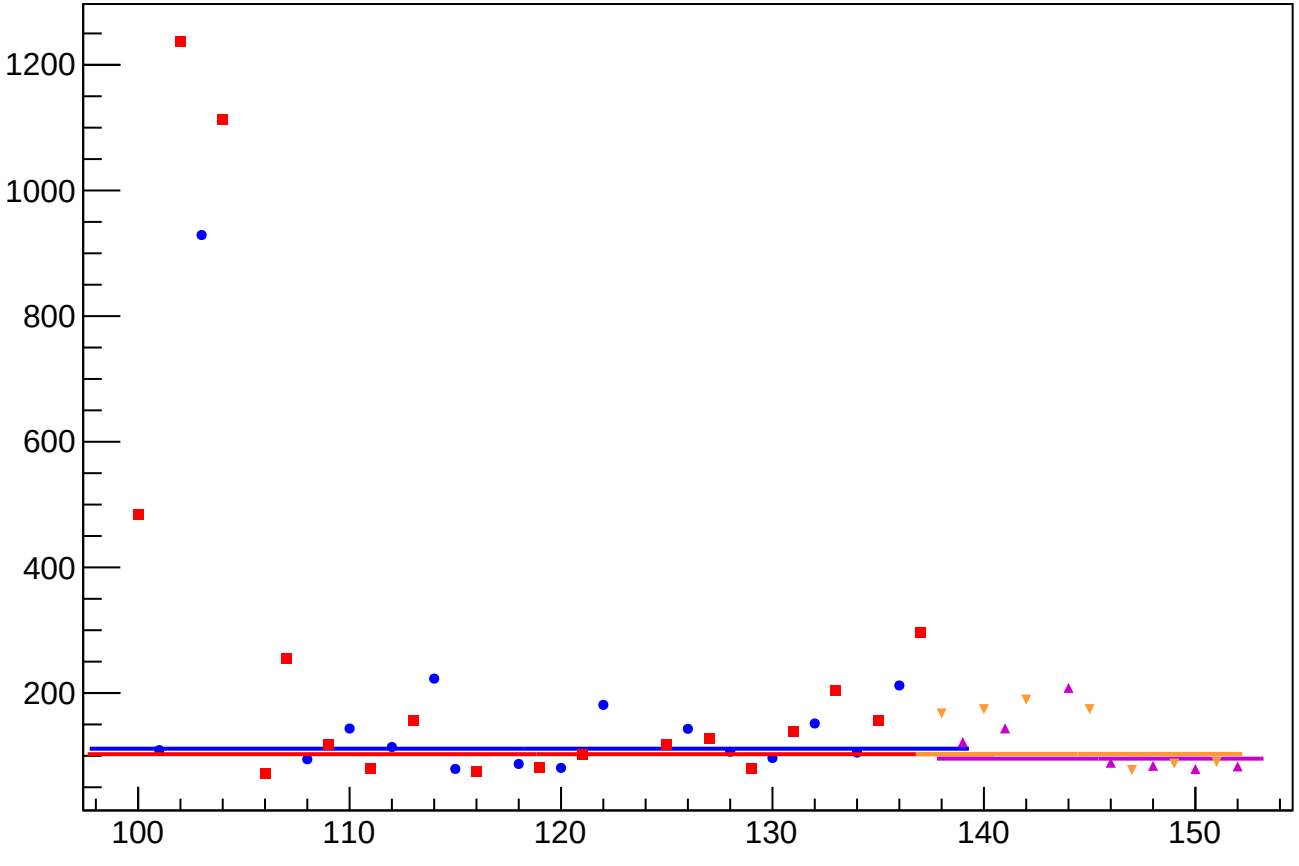
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.057+/-0.032 χ^2/NDF:27.3/22

Out: -0.044+/-0.034 χ^2/NDF:27.9/24

All: -0.051+/-0.023 χ^2/NDF: 55.3/47

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: 95.595+/-0.030 χ^2/NDF:903575.4/6

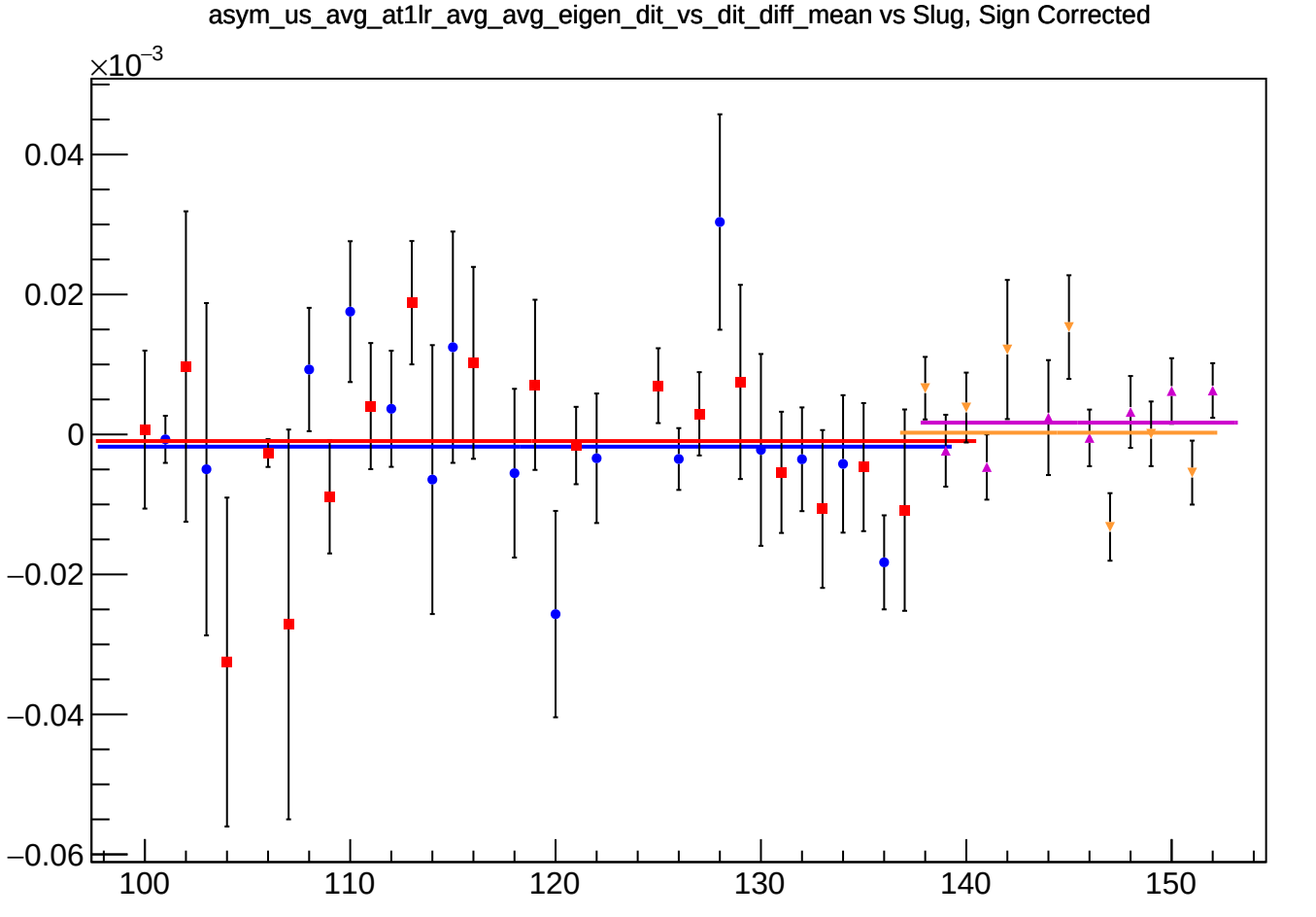
Left: 98.763+/-0.023 χ^2/NDF: 2054422.4/13

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 102.552+/-0.022 χ^2/NDF:2866378.4/22

Out: 102.859+/-0.024 χ^2/NDF:3951201.8/24

All: 102.695+/-0.016 χ^2/NDF: 6817668.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.5/6

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:5.2/6

Left: 0.000+/-0.000 χ^2/NDF: 22.9/13

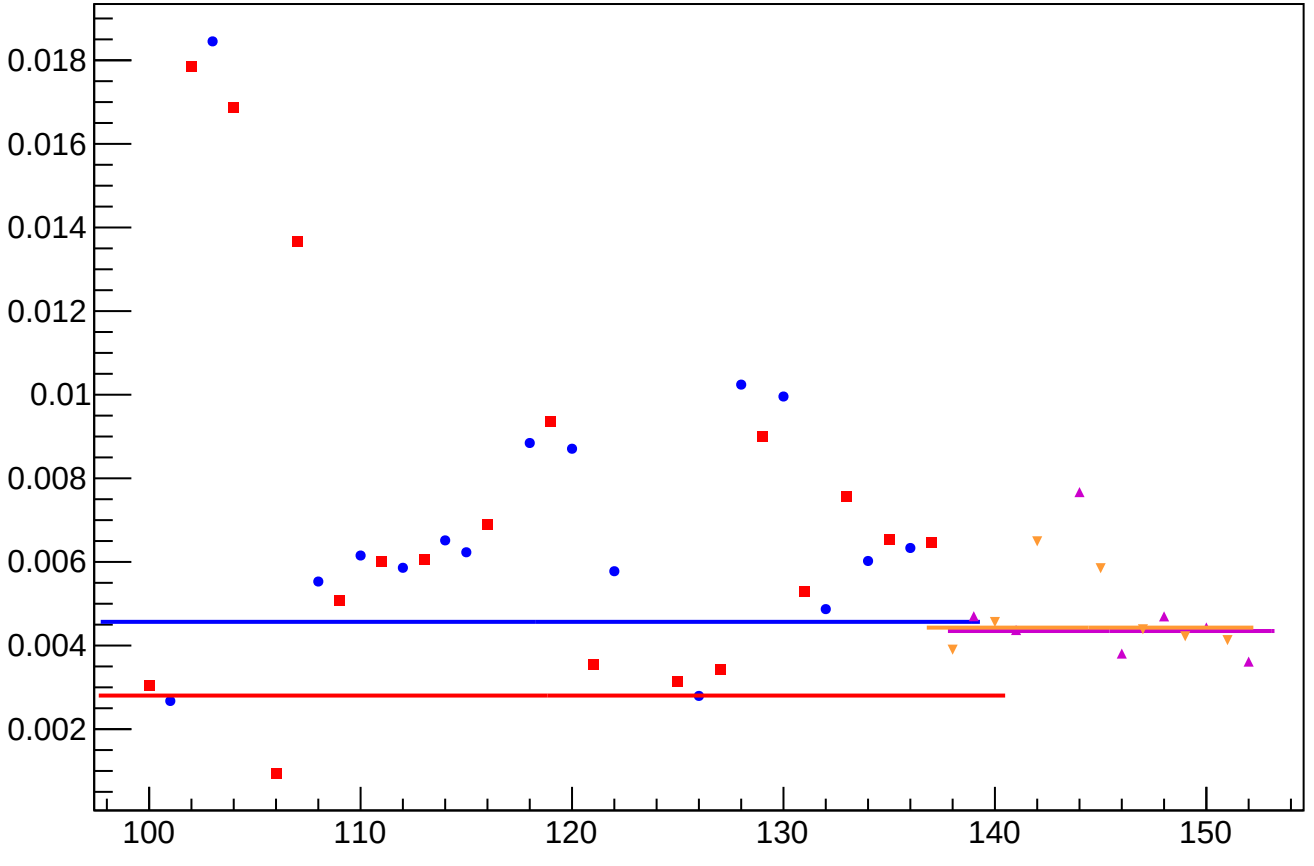
Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:26.9/22

Out: -0.000+/-0.000 χ^2/NDF:33.4/24

All: -0.000+/-0.000 χ^2/NDF: 60.4/47

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:201940.3/6

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:452797.2/6

Left: 0.004+/-0.000 χ^2/NDF: 656573.7/13

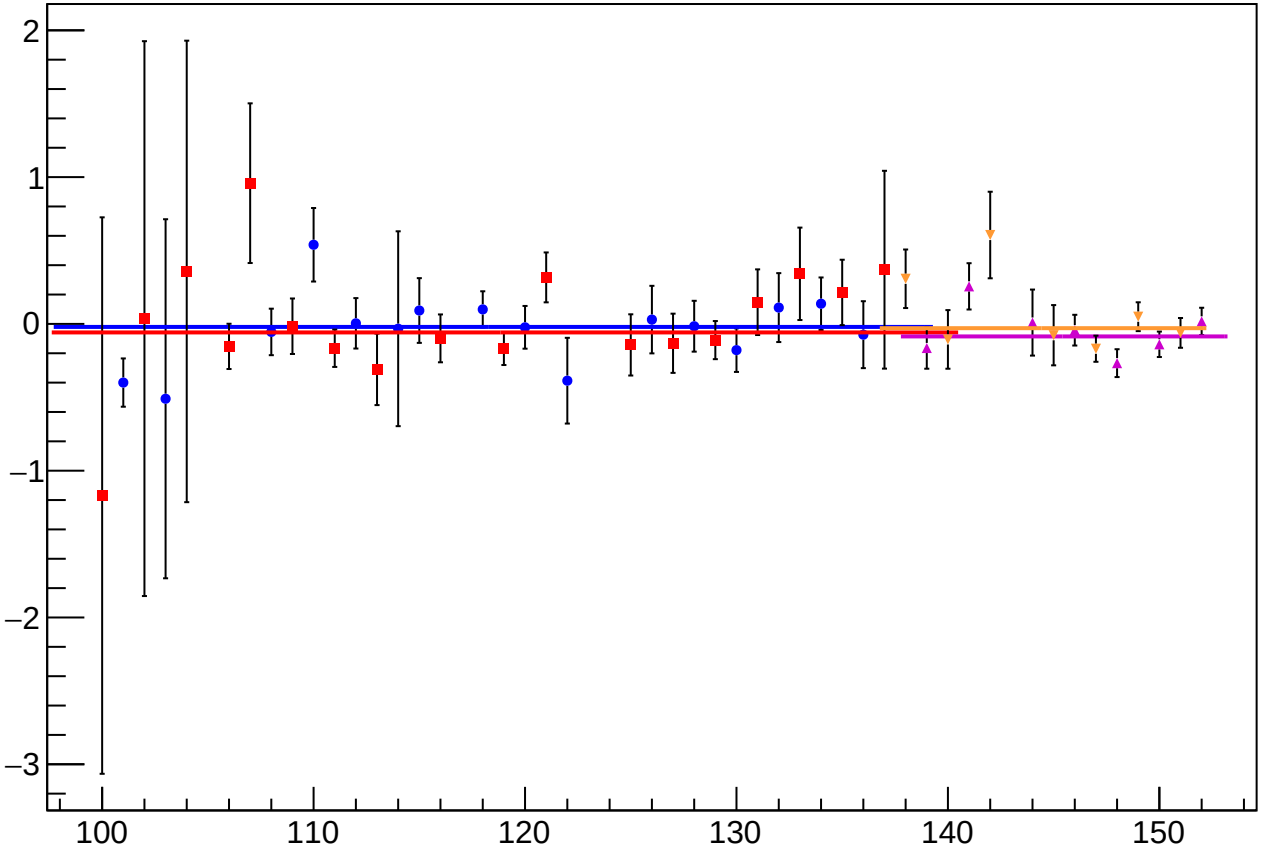
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:3478863.4/22

Out: 0.003+/-0.000 χ^2/NDF:7679755.1/24

All: 0.004+/-0.000 χ^2/NDF: 11879791.9/47

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: -0.085+/-0.042 χ^2/NDF:10.6/6

Left: -0.061+/-0.032 χ^2/NDF: 22.3/13

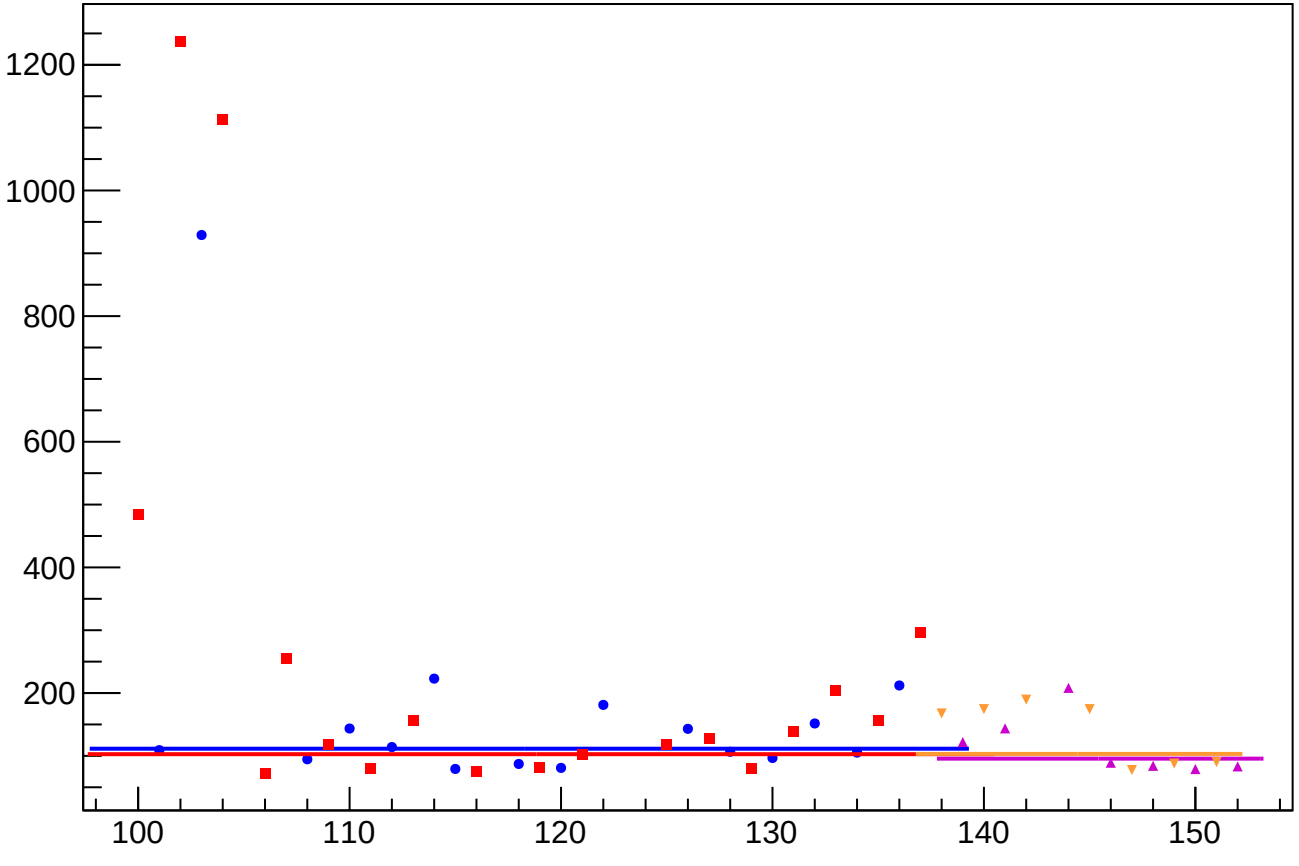
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.057+/-0.032 χ^2/NDF:27.3/22

Out: -0.044+/-0.034 χ^2/NDF:27.9/24

All: -0.051+/-0.023 χ^2/NDF: 55.3/47

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: 95.595+/-0.030 χ^2/NDF:903571.1/6

Left: 98.763+/-0.023 χ^2/NDF: 2054393.7/13

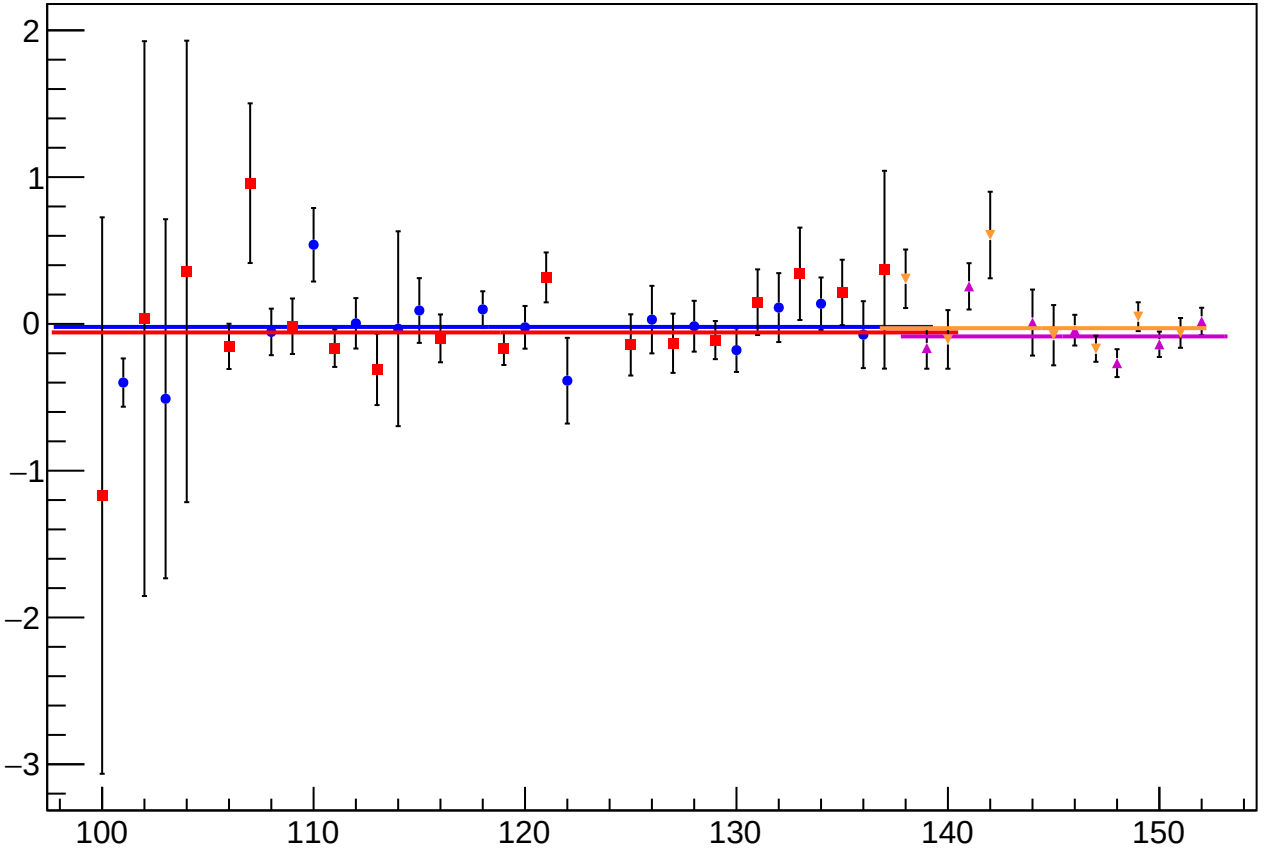
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 102.551+/-0.022 χ^2/NDF:2866374.3/22

Out: 102.858+/-0.024 χ^2/NDF:3951172.0/24

All: 102.694+/-0.016 χ^2/NDF: 6817634.7/47

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: -0.085+/-0.042 χ^2/NDF:10.6/6

Left: -0.061+/-0.032 χ^2/NDF: 22.3/13

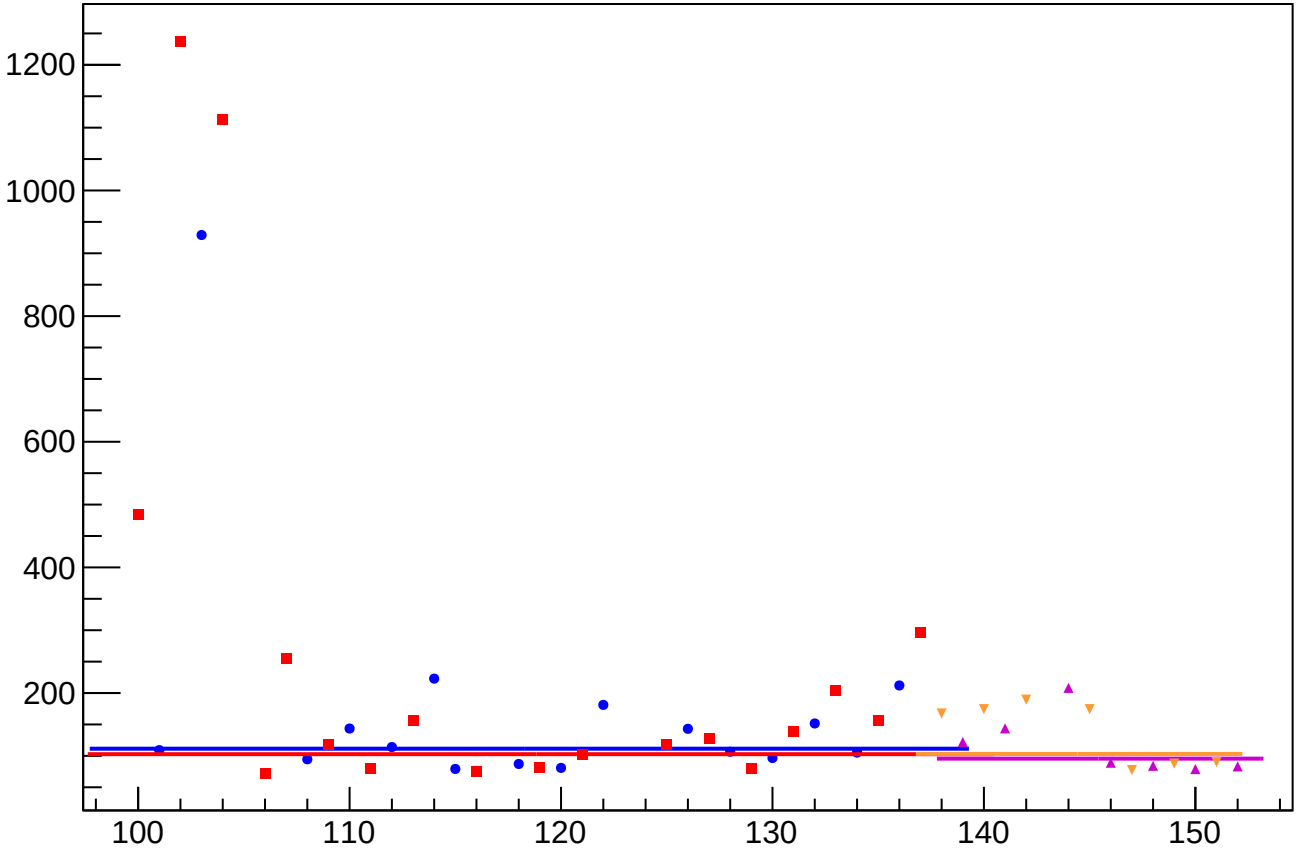
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.057+/-0.032 χ^2/NDF:27.3/22

Out: -0.044+/-0.034 χ^2/NDF:27.9/24

All: -0.051+/-0.023 χ^2/NDF: 55.3/47

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: 95.595+/-0.030 χ^2/NDF:903571.1/6

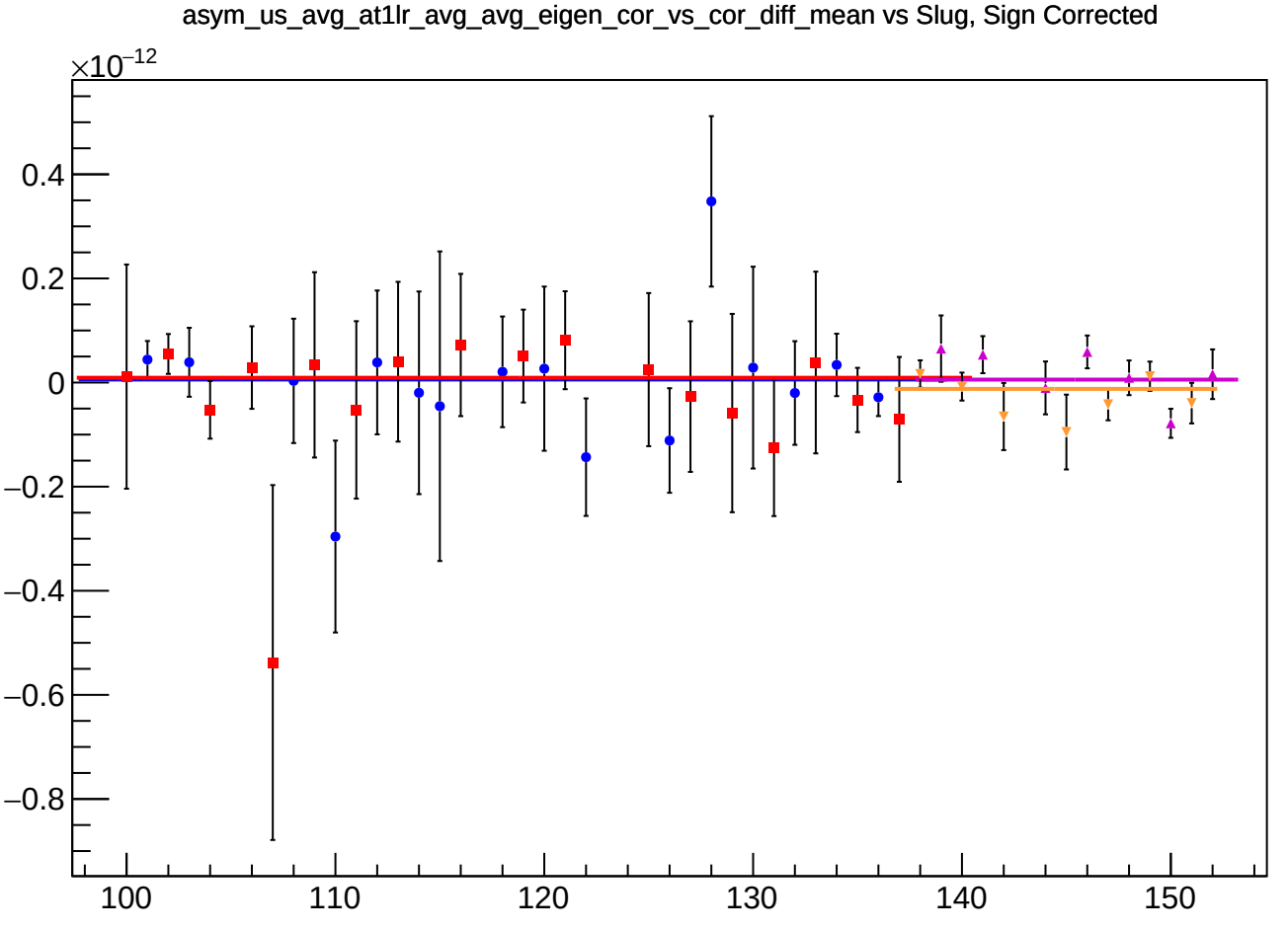
Left: 98.763+/-0.023 χ^2/NDF: 2054393.7/13

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 102.551+/-0.022 χ^2/NDF:2866374.3/22

Out: 102.858+/-0.024 χ^2/NDF:3951172.0/24

All: 102.694+/-0.016 χ^2/NDF: 6817634.7/47



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:14.7/6

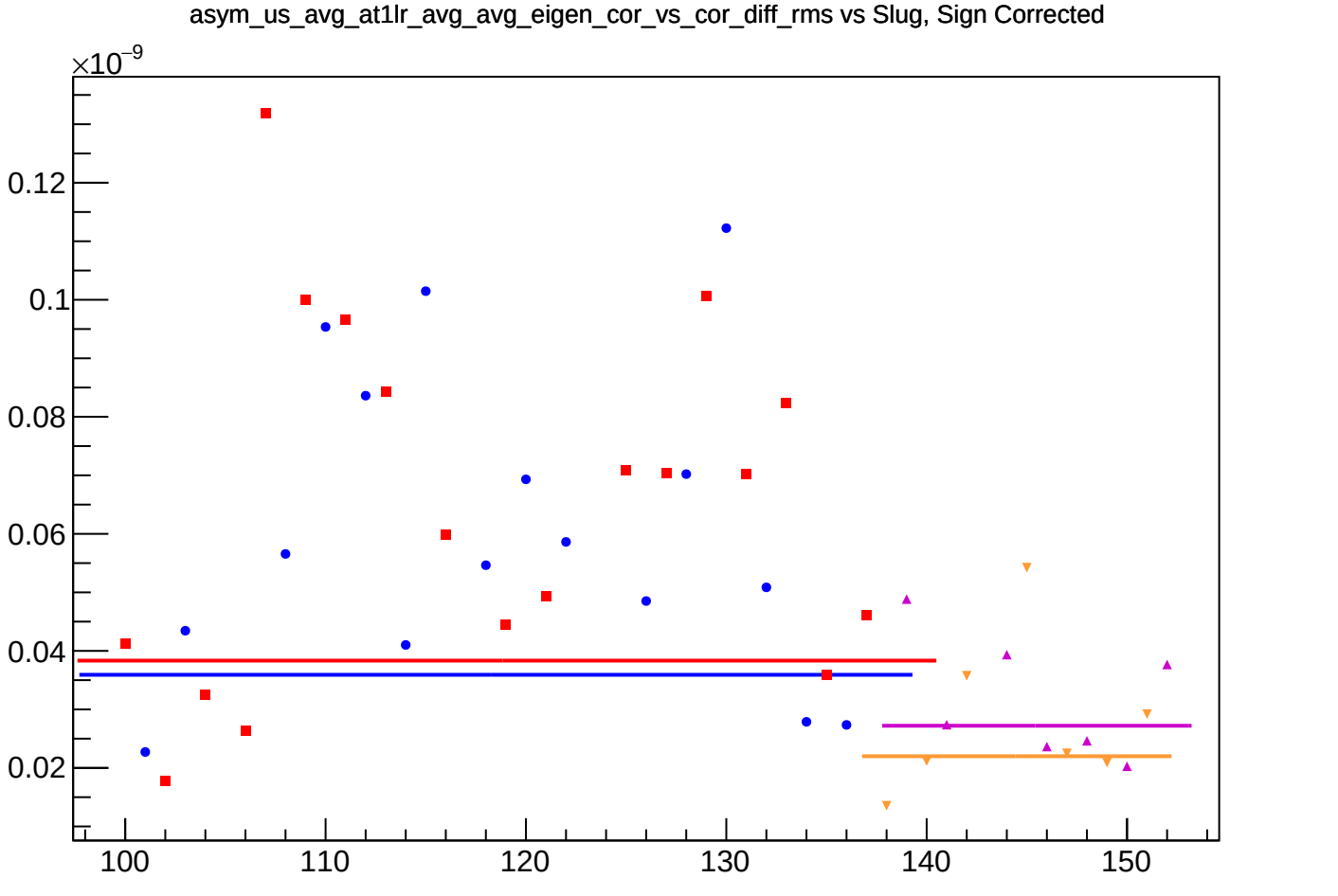
Left: -0.000+/-0.000 χ^2/NDF: 21.0/13

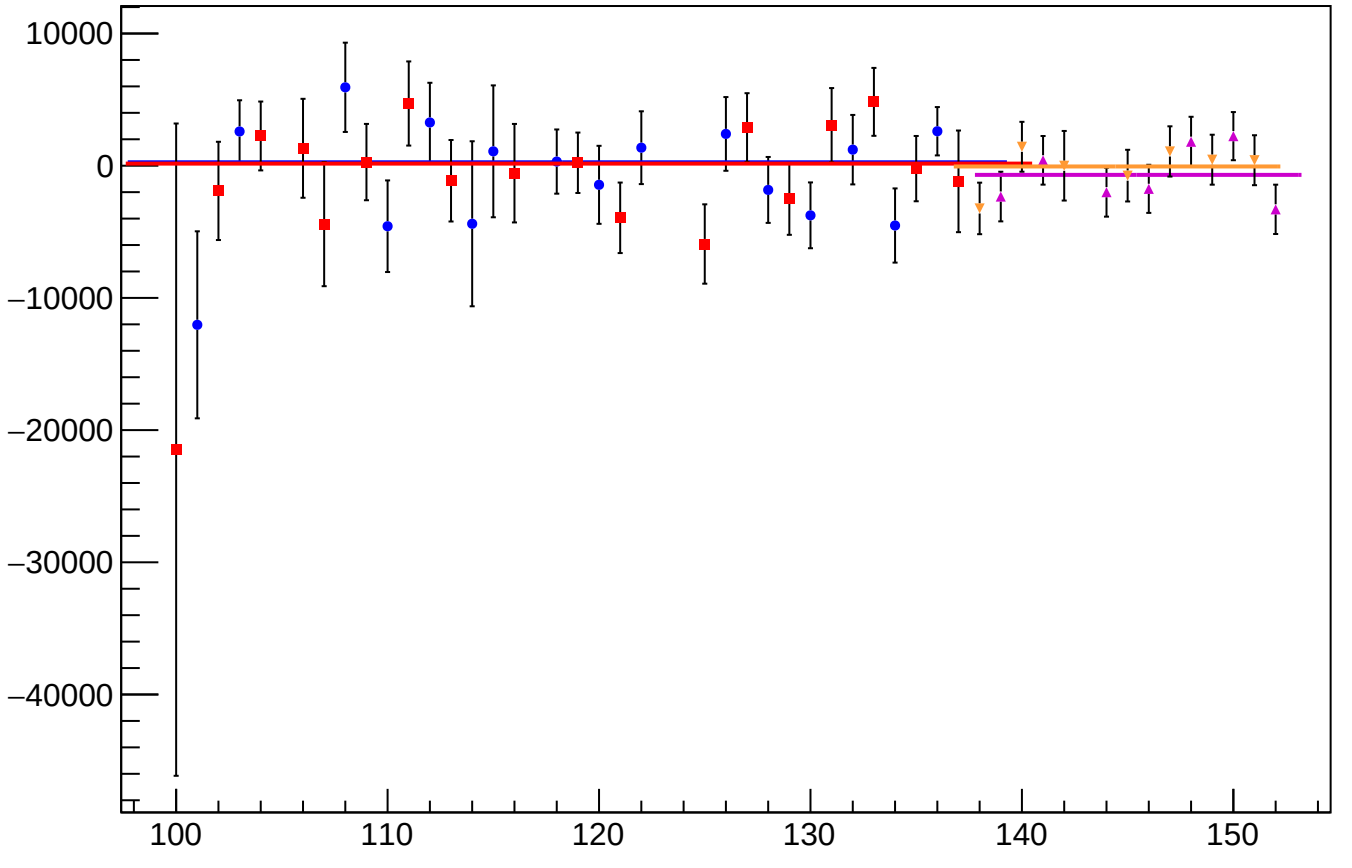
Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: 0.000+/-0.000 χ^2/NDF:27.6/22

Out: -0.000+/-0.000 χ^2/NDF:14.8/24

All: -0.000+/-0.000 χ^2/NDF: 43.1/47


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:774149.7/6
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:602317.4/6
Left: 0.000+/-0.000 χ²/NDF: 1528618.5/13
Right: 0.000+/-0.000 χ²/NDF: 3975413.5/33
In: 0.000+/-0.000 χ²/NDF:2629382.6/22
Out: 0.000+/-0.000 χ²/NDF:3828958.4/24
All: 0.000+/-0.000 χ²/NDF: 6593864.4/47



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: -693.095+/-699.685 χ^2/NDF:8.3/6

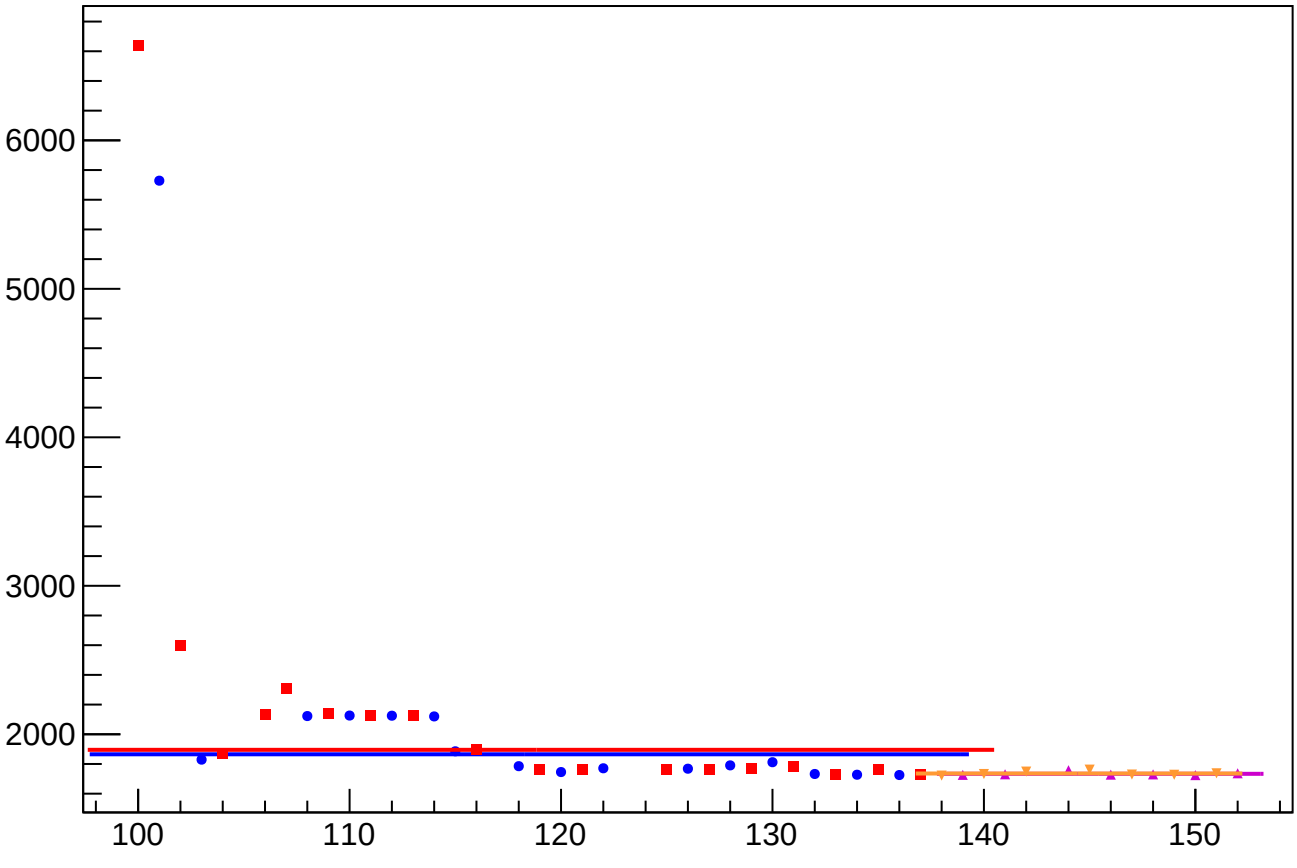
Left: -396.131+/-510.964 χ^2/NDF: 12.5/13

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -223.565+/-498.255 χ^2/NDF:28.6/22

Out: 56.545+/-515.821 χ^2/NDF:22.0/24

All: -88.361+/-358.369 χ^2/NDF: 50.8/47



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: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1733.665+/-0.495 χ^2/NDF:455.9/6

Left: 1734.656+/-0.361 χ^2/NDF: 1046.0/13

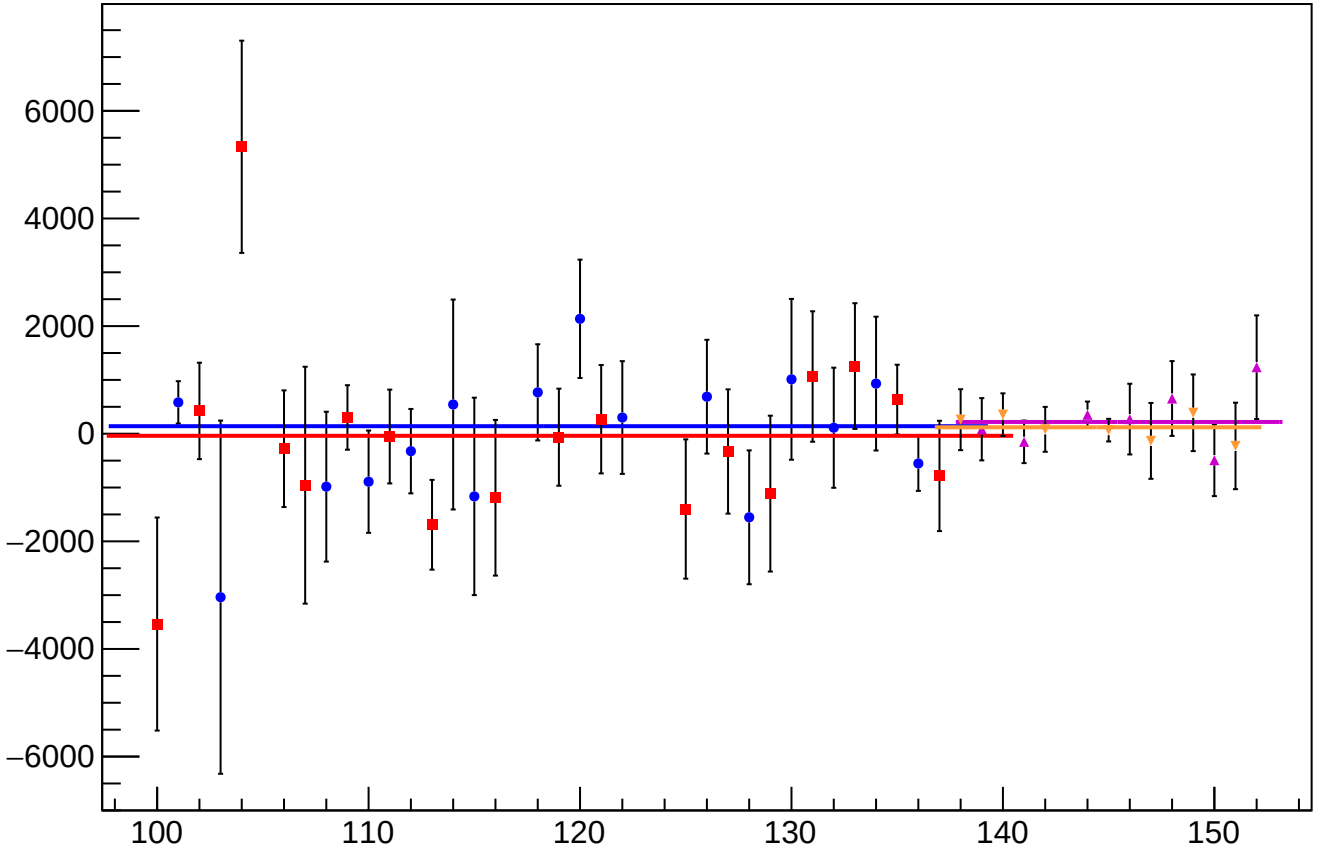
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1798.483+/-0.352 χ^2/NDF:708003.8/22

Out: 1819.409+/-0.365 χ^2/NDF:299057.5/24

All: 1808.584+/-0.253 χ^2/NDF: 1008764.1/47

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 119.756+/-151.668 χ^2/NDF:0.9/6

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 218.505+/-172.134 χ^2/NDF:3.9/6

Left: 162.914+/-113.797 χ^2/NDF: 5.0/13

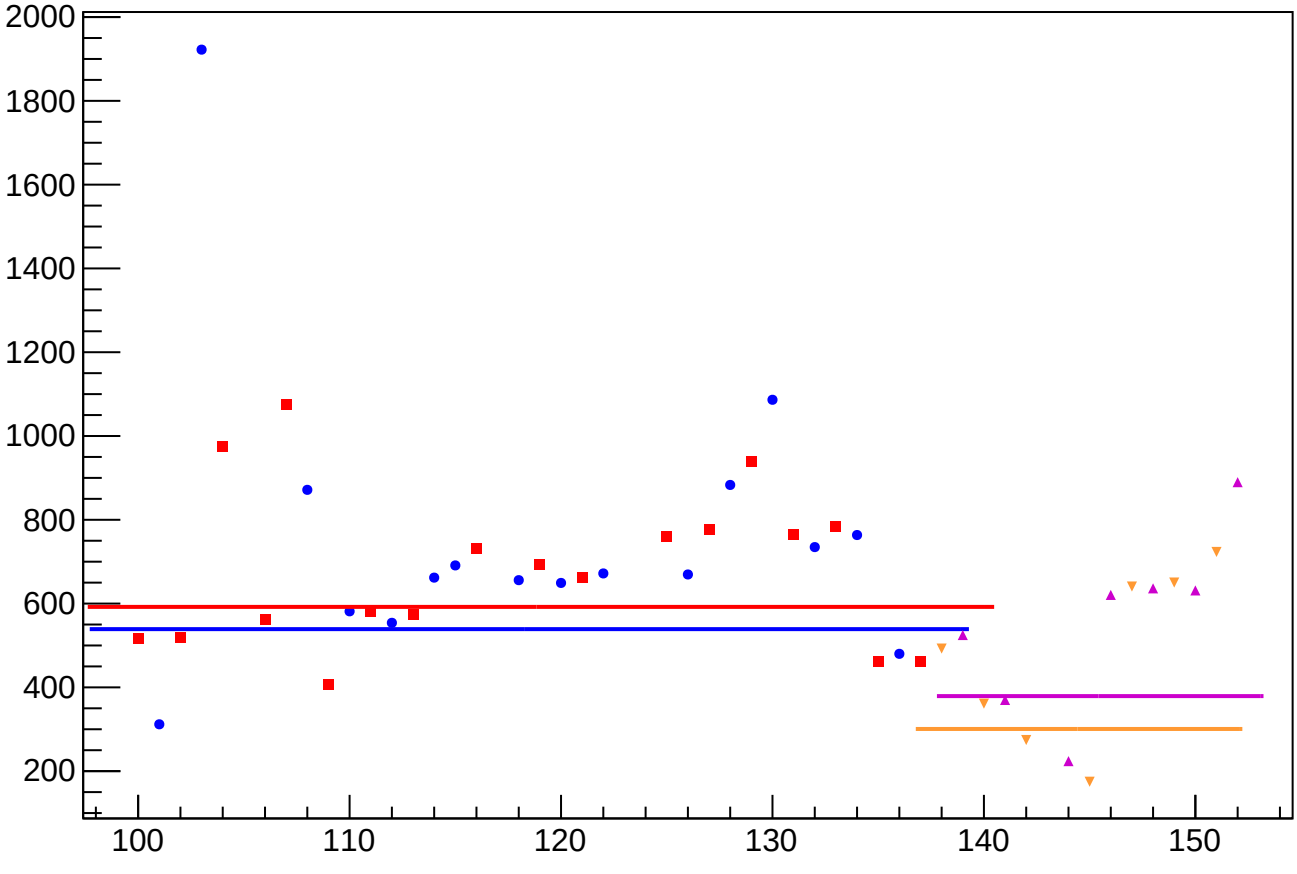
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 188.635+/-135.592 χ^2/NDF:17.4/22

Out: 74.082+/-127.944 χ^2/NDF:22.7/24

All: 128.037+/-93.056 χ^2/NDF: 40.4/47

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: 379.151+/-0.122 χ^2/NDF:2322793.2/6

Left: 334.995+/-0.080 χ^2/NDF: 5059911.1/13

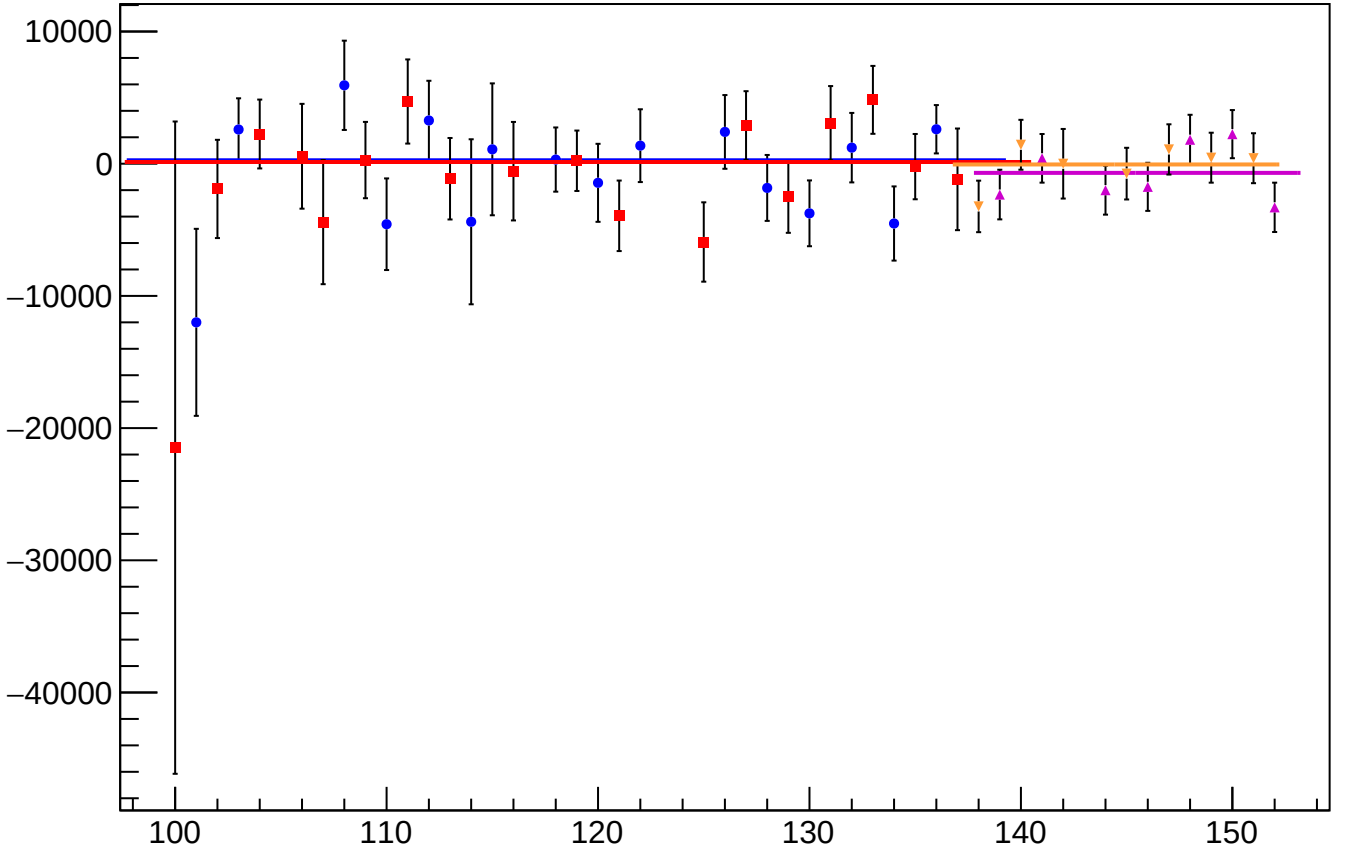
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 439.822+/-0.096 χ^2/NDF:4832050.9/22

Out: 384.744+/-0.090 χ^2/NDF:5475232.7/24

All: 410.686+/-0.066 χ^2/NDF: 10481854.7/47

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: -693.241+/-699.685 χ^2/NDF:8.3/6

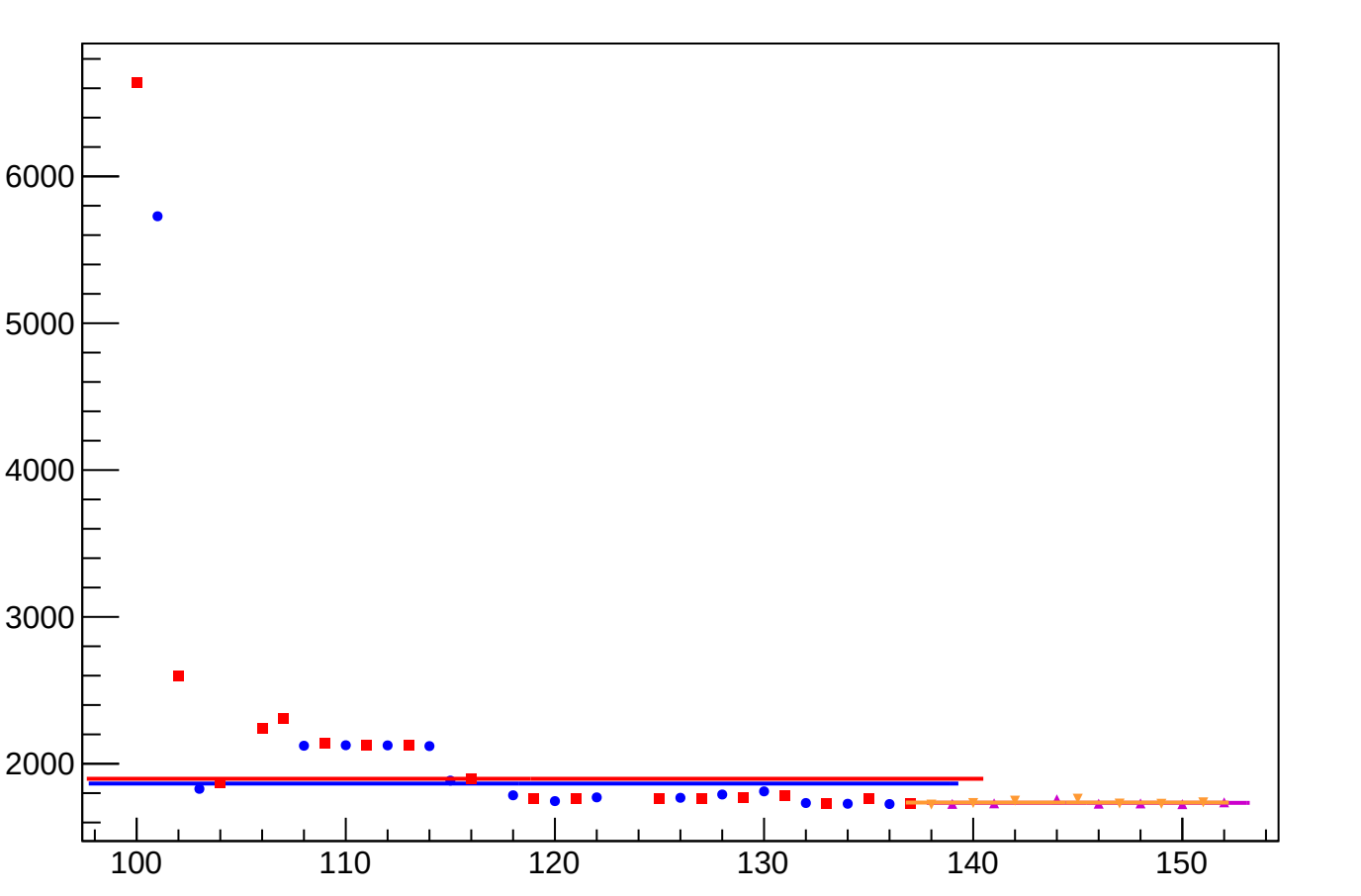
Left: -396.160+/-510.964 χ^2/NDF: 12.5/13

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

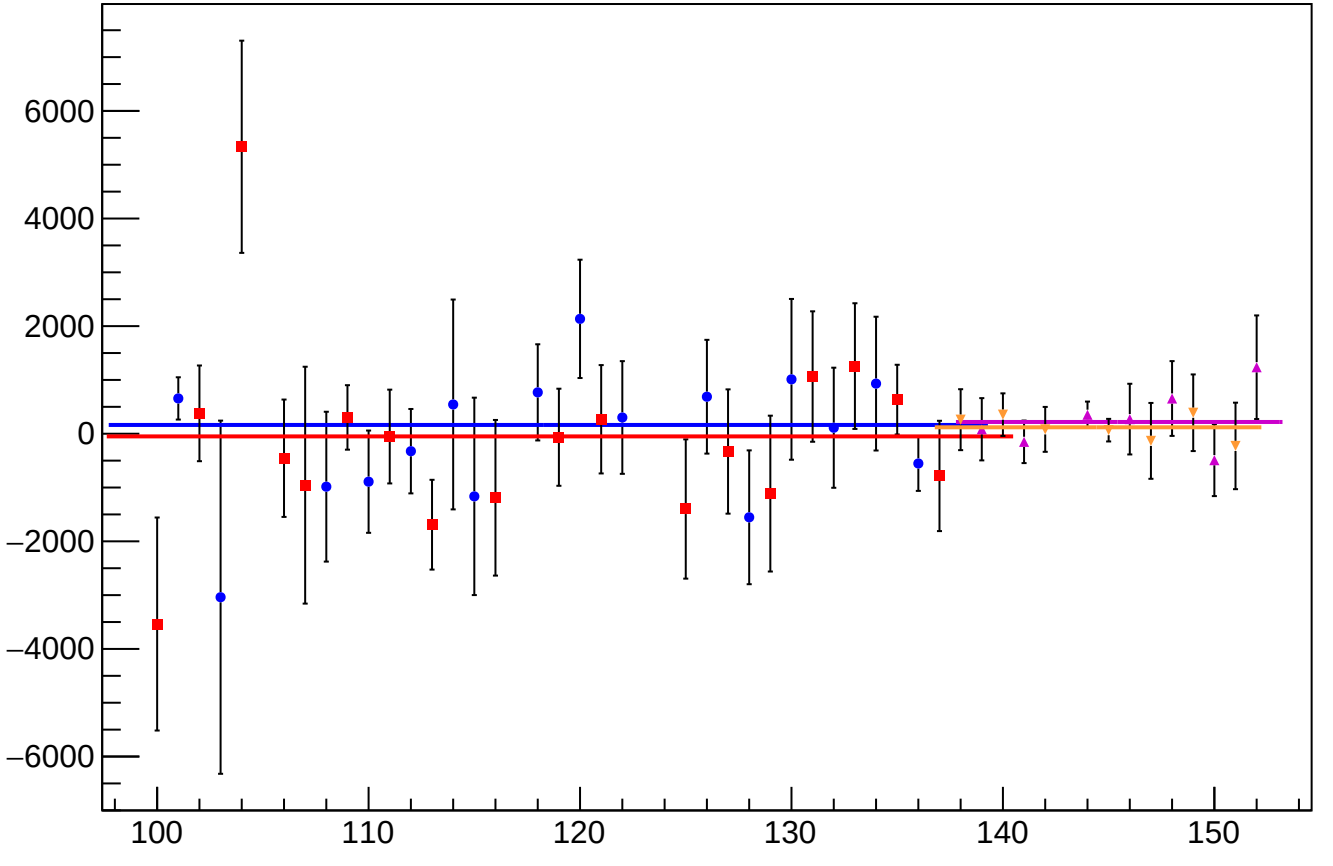
In: -223.546+/-498.255 χ^2/NDF:28.6/22

Out: 41.056+/-516.355 χ^2/NDF:21.9/24

All: -95.964+/-358.548 χ^2/NDF: 50.7/47


cor_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: 1897.700+/-0.505 χ²/NDF: 257735.0/17
Left In: 1733.665+/-0.495 χ²/NDF:455.9/6
Left: 1734.656+/-0.361 χ²/NDF: 1046.0/13
Right: 1881.343+/-0.356 χ²/NDF: 932548.8/33
In: 1798.483+/-0.352 χ²/NDF:708003.6/22
Out: 1820.535+/-0.365 χ²/NDF:307369.9/24
All: 1809.116+/-0.254 χ²/NDF: 1017262.4/47

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: 218.490+/-172.135 χ^2/NDF:3.9/6

Left: 162.837+/-113.798 χ^2/NDF: 5.0/13

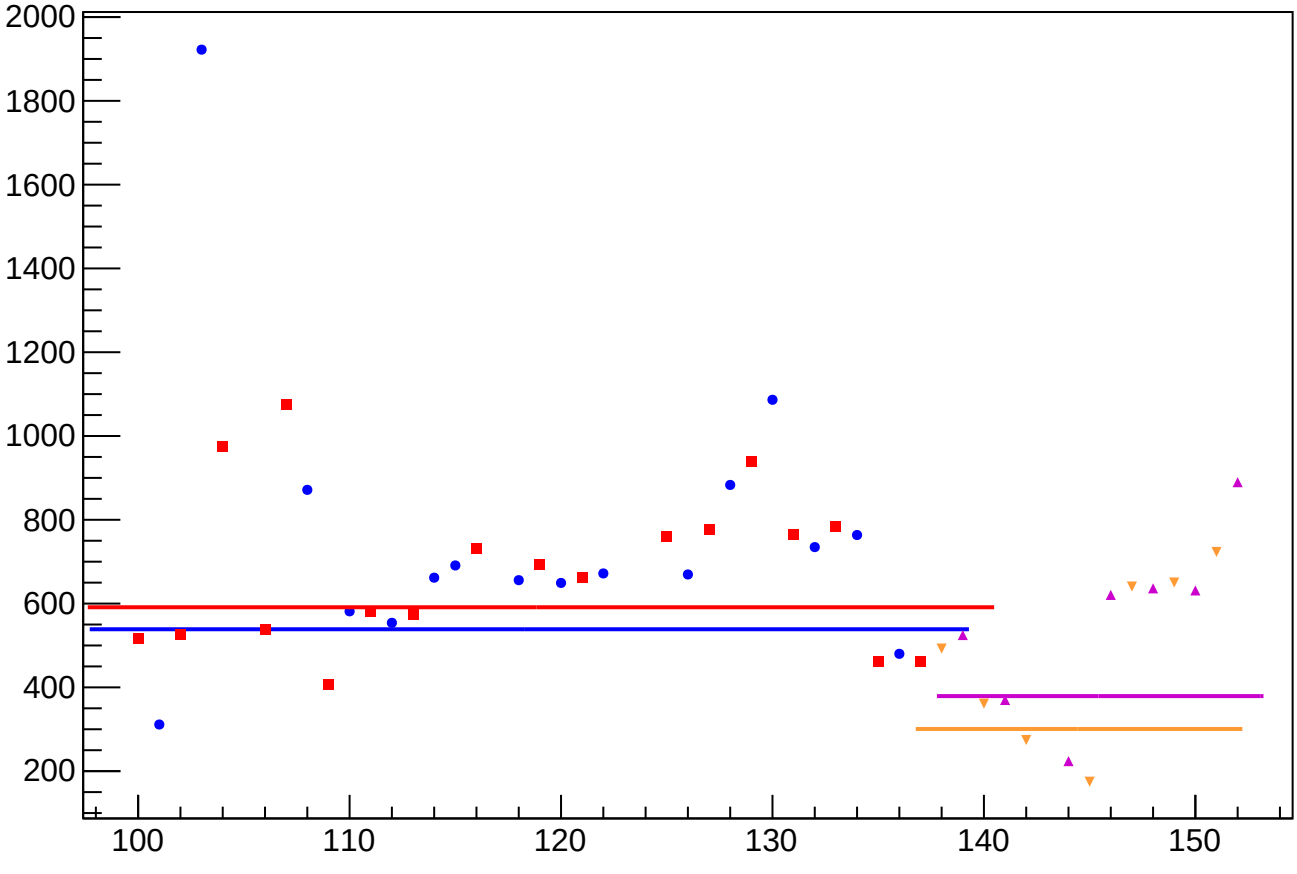
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 197.479+/-135.574 χ^2/NDF:17.8/22

Out: 70.805+/-127.937 χ^2/NDF:22.7/24

All: 130.474+/-93.048 χ^2/NDF: 41.0/47

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: 379.160+/-0.122 χ^2/NDF:2322564.3/6

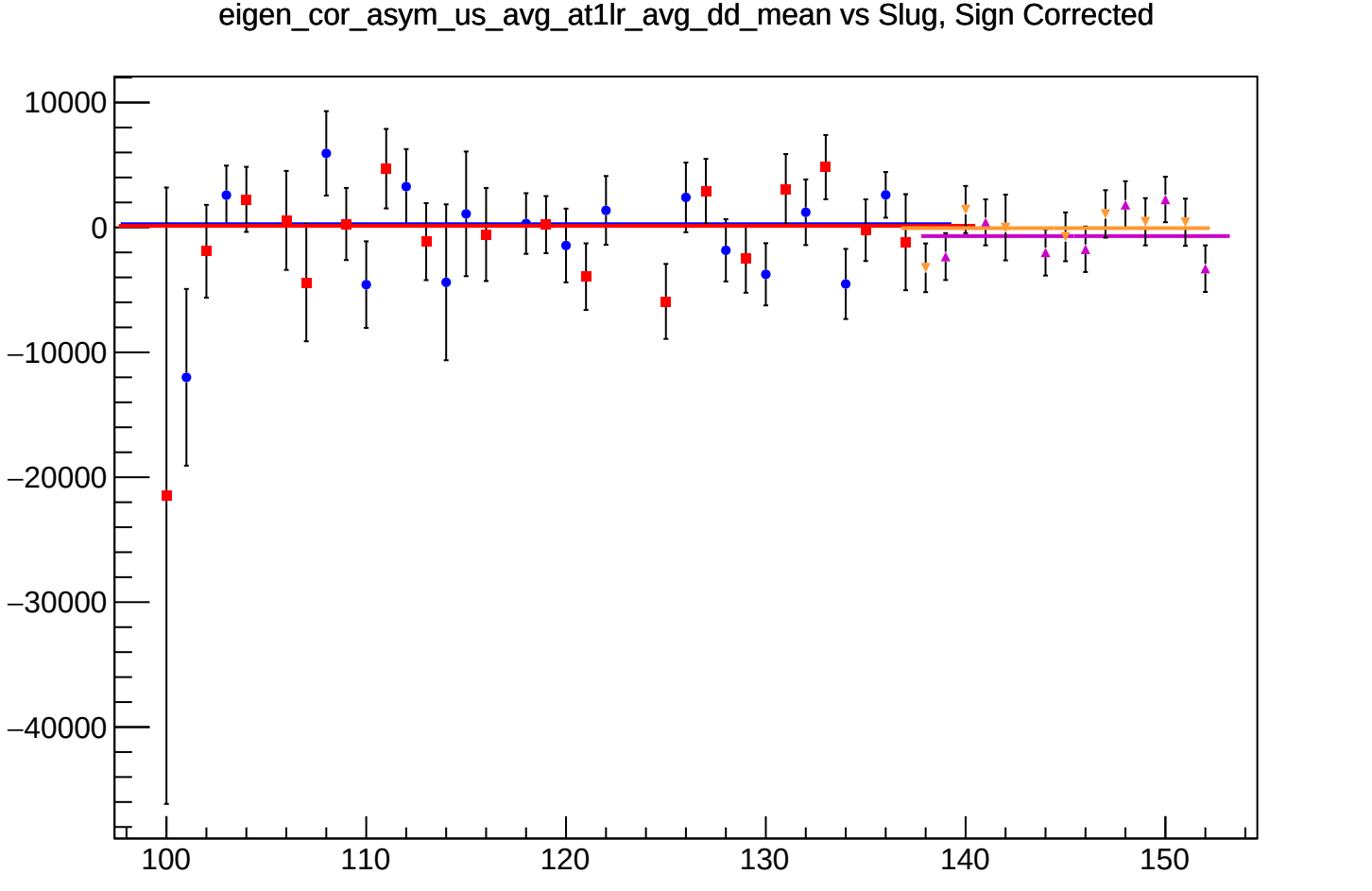
Left: 335.004+/-0.080 χ^2/NDF: 5059657.8/13

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 439.735+/-0.096 χ^2/NDF:4833782.2/22

Out: 384.531+/-0.090 χ^2/NDF:5464704.7/24

All: 410.535+/-0.066 χ^2/NDF: 10473887.8/47



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: -693.241+/-699.685 χ^2/NDF:8.3/6

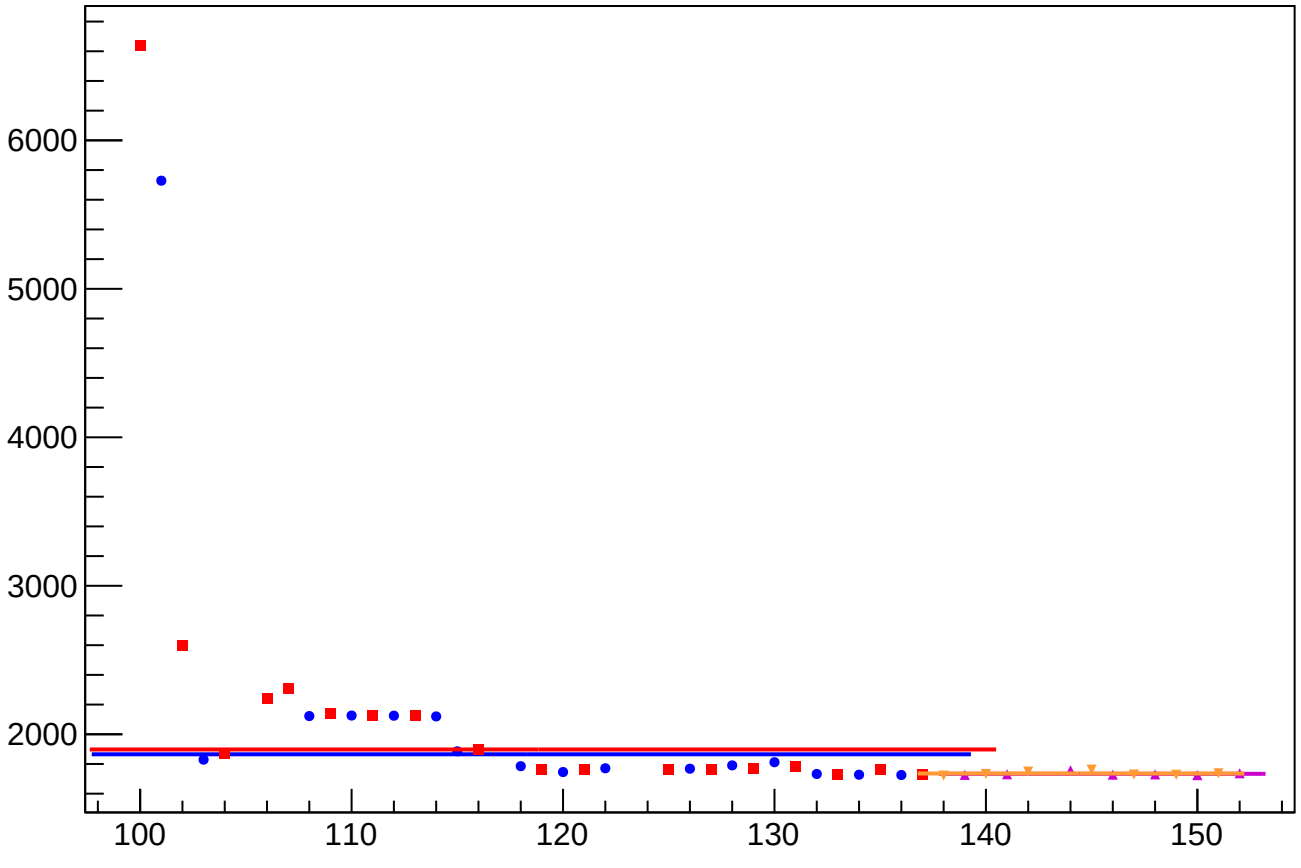
Left: -396.160+/-510.964 χ^2/NDF: 12.5/13

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -223.546+/-498.255 χ^2/NDF:28.6/22

Out: 41.056+/-516.355 χ^2/NDF:21.9/24

All: -95.964+/-358.548 χ^2/NDF: 50.7/47



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: 1733.665+/-0.495 χ^2/NDF:455.9/6

Left: 1734.656+/-0.361 χ^2/NDF: 1046.0/13

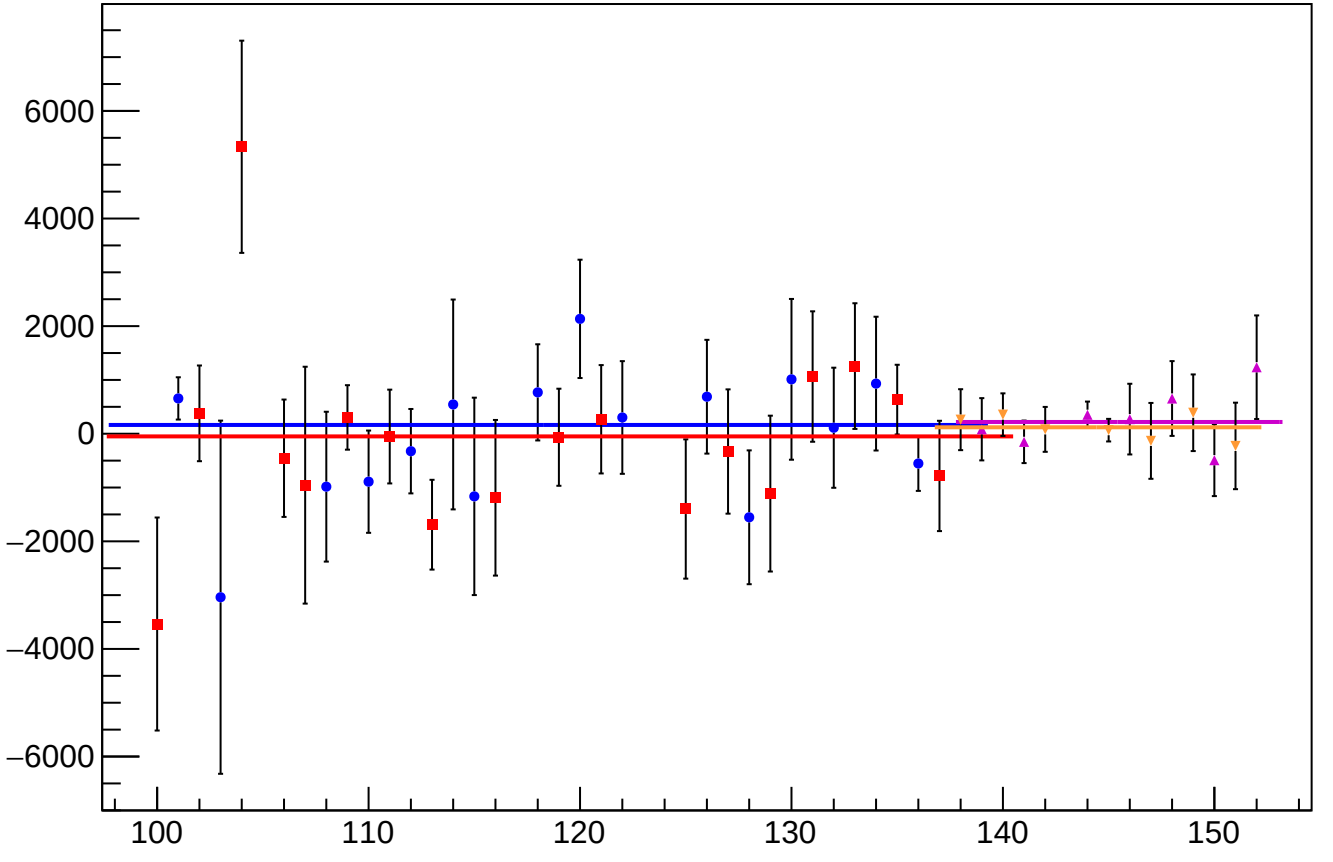
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1798.483+/-0.352 χ^2/NDF:708003.6/22

Out: 1820.535+/-0.365 χ^2/NDF:307369.9/24

All: 1809.116+/-0.254 χ^2/NDF: 1017262.4/47

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: 218.490+/-172.135 χ^2/NDF:3.9/6

Left: 162.837+/-113.798 χ^2/NDF: 5.0/13

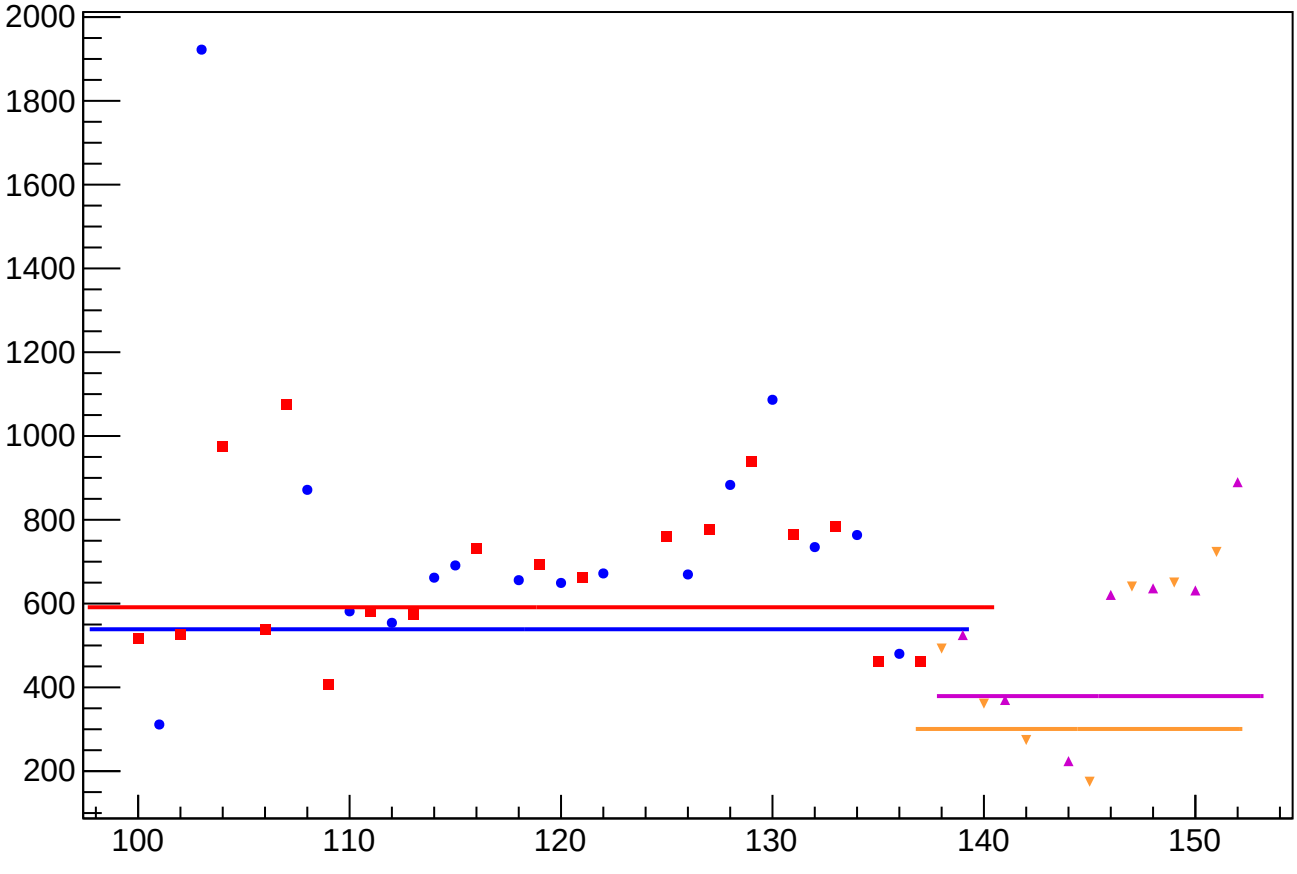
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 197.479+/-135.574 χ^2/NDF:17.8/22

Out: 70.805+/-127.937 χ^2/NDF:22.7/24

All: 130.474+/-93.048 χ^2/NDF: 41.0/47

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: 379.160+/-0.122 χ^2/NDF:2322564.3/6

Left: 335.004+/-0.080 χ^2/NDF: 5059657.8/13

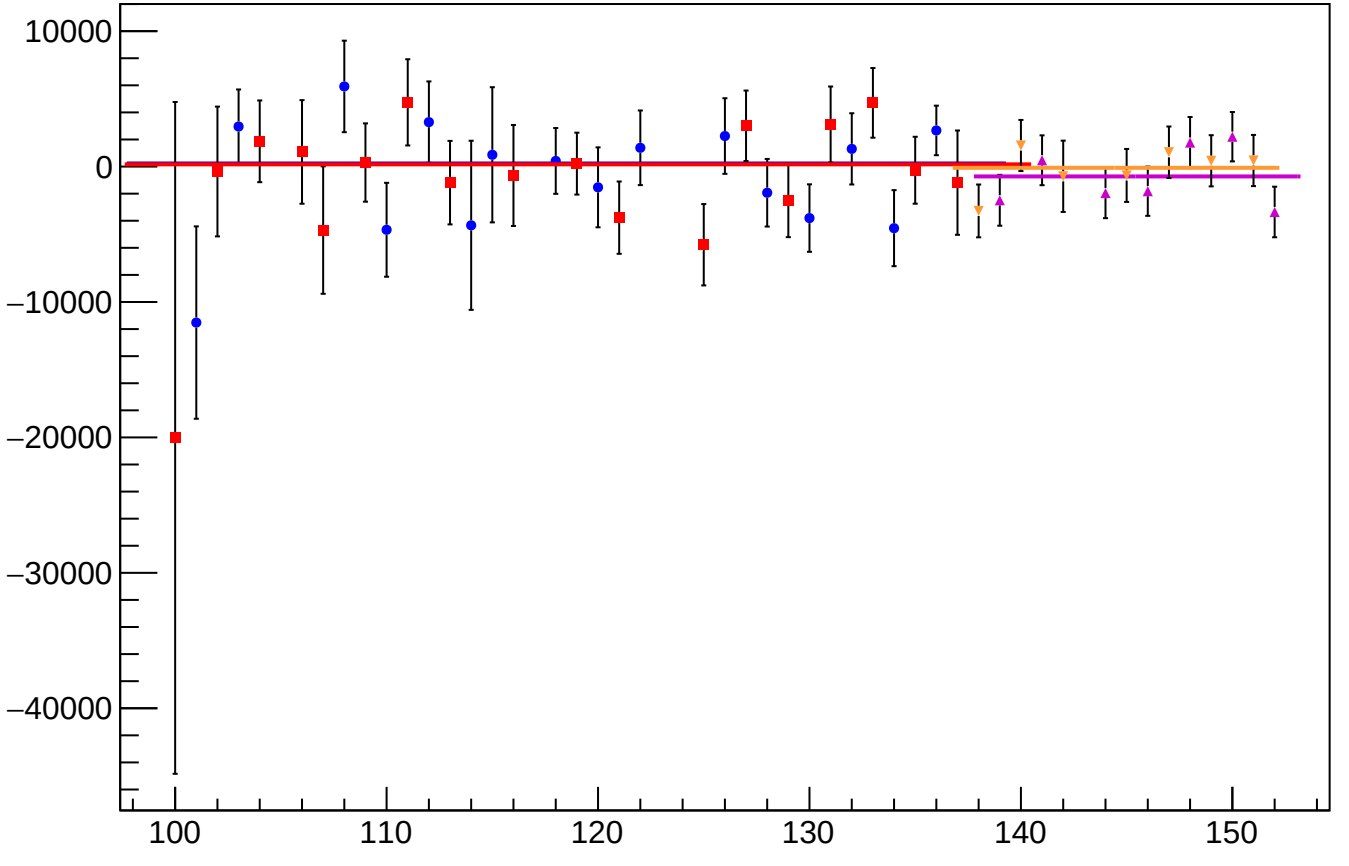
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 439.735+/-0.096 χ^2/NDF:4833782.2/22

Out: 384.531+/-0.090 χ^2/NDF:5464704.7/24

All: 410.535+/-0.066 χ^2/NDF: 10473887.8/47

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: -727.813+/-700.096 χ^2/NDF:8.4/6

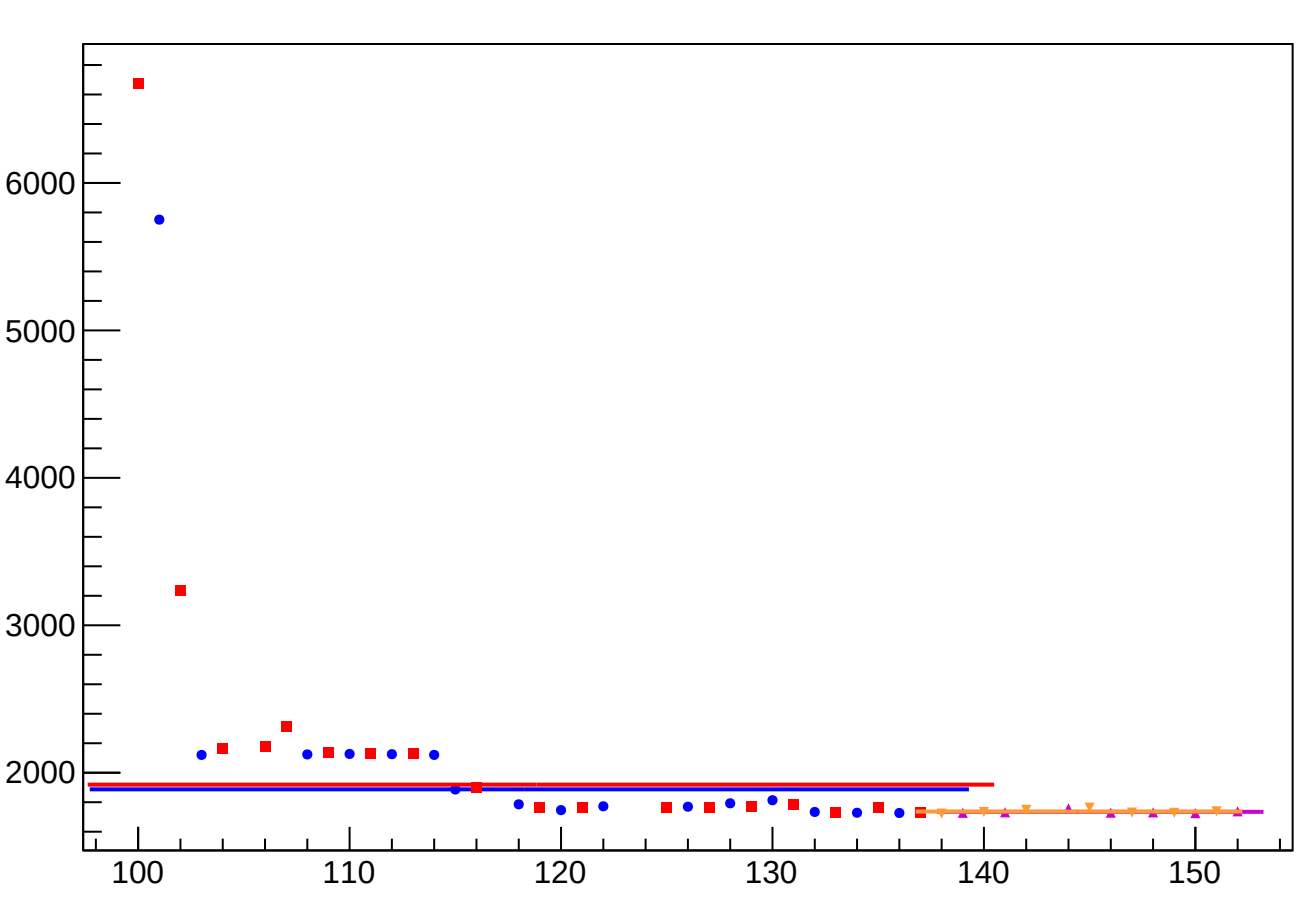
Left: -430.386+/-511.250 χ^2/NDF: 12.9/13

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -263.205+/-501.442 χ^2/NDF:28.7/22

Out: 40.469+/-521.006 χ^2/NDF:21.2/24

All: -117.176+/-361.291 χ^2/NDF: 50.1/47



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: 1734.681+/-0.495 χ^2/NDF:448.0/6

Left: 1735.625+/-0.362 χ^2/NDF: 1034.5/13

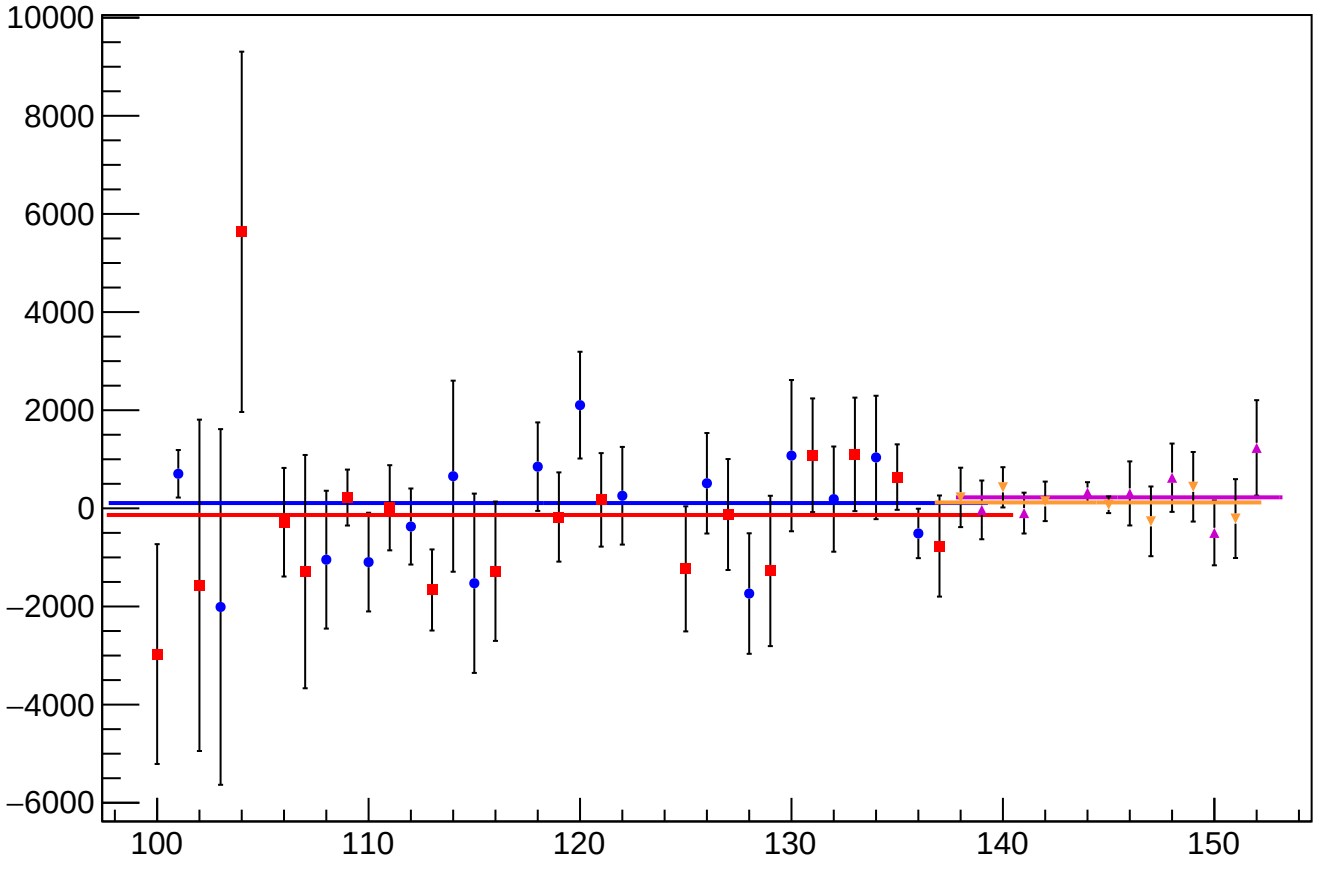
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1809.010+/-0.355 χ^2/NDF:736182.8/22

Out: 1830.724+/-0.368 χ^2/NDF:414411.6/24

All: 1819.452+/-0.255 χ^2/NDF: 1152397.9/47

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: 224.373+/-161.153 χ^2/NDF:3.6/6

Left: 163.112+/-103.508 χ^2/NDF: 5.2/13

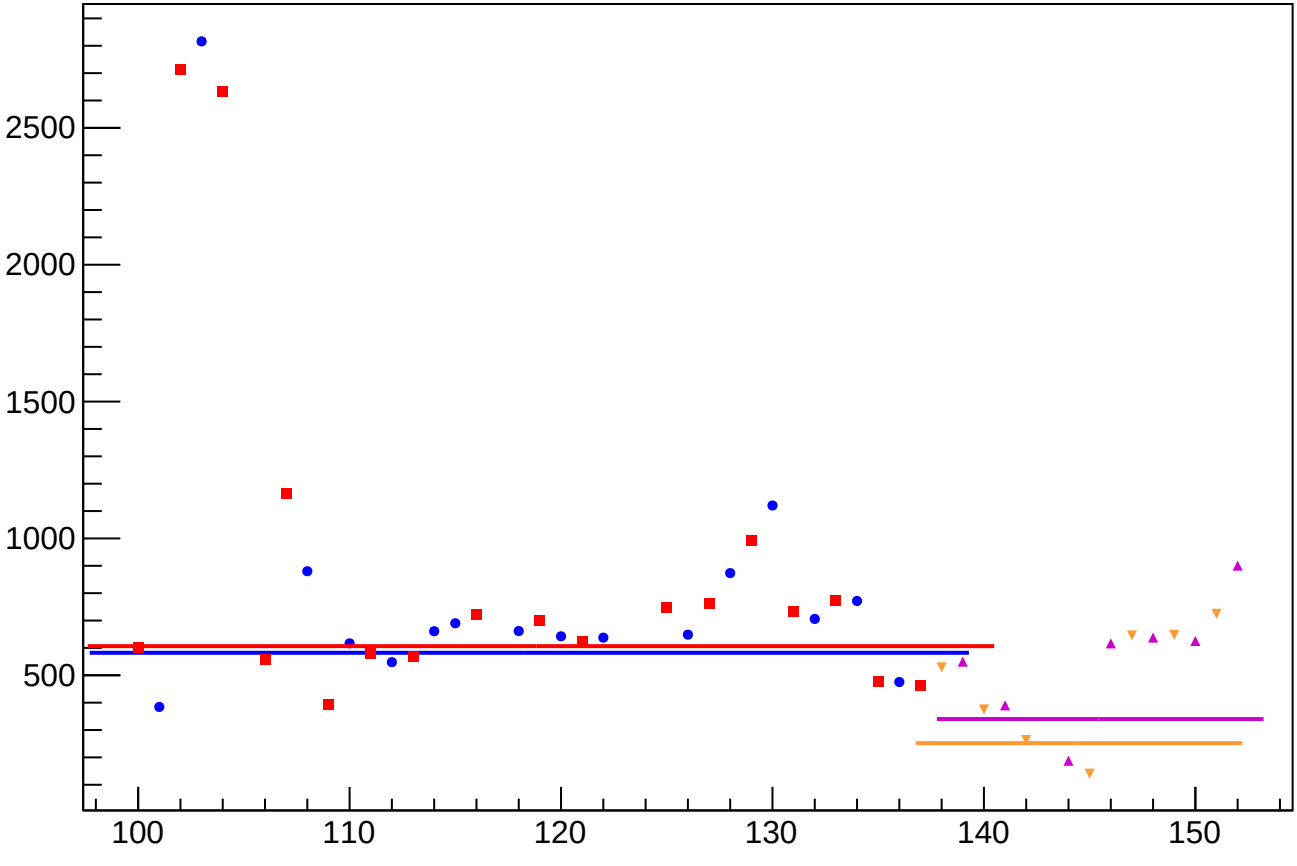
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 186.477+/-132.301 χ^2/NDF:17.9/22

Out: 60.909+/-118.375 χ^2/NDF:16.5/24

All: 116.739+/-88.218 χ^2/NDF: 34.9/47

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 252.061+/-0.095 χ^2/NDF:3389259.1/6

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 340.202+/-0.114 χ^2/NDF:3065993.6/6

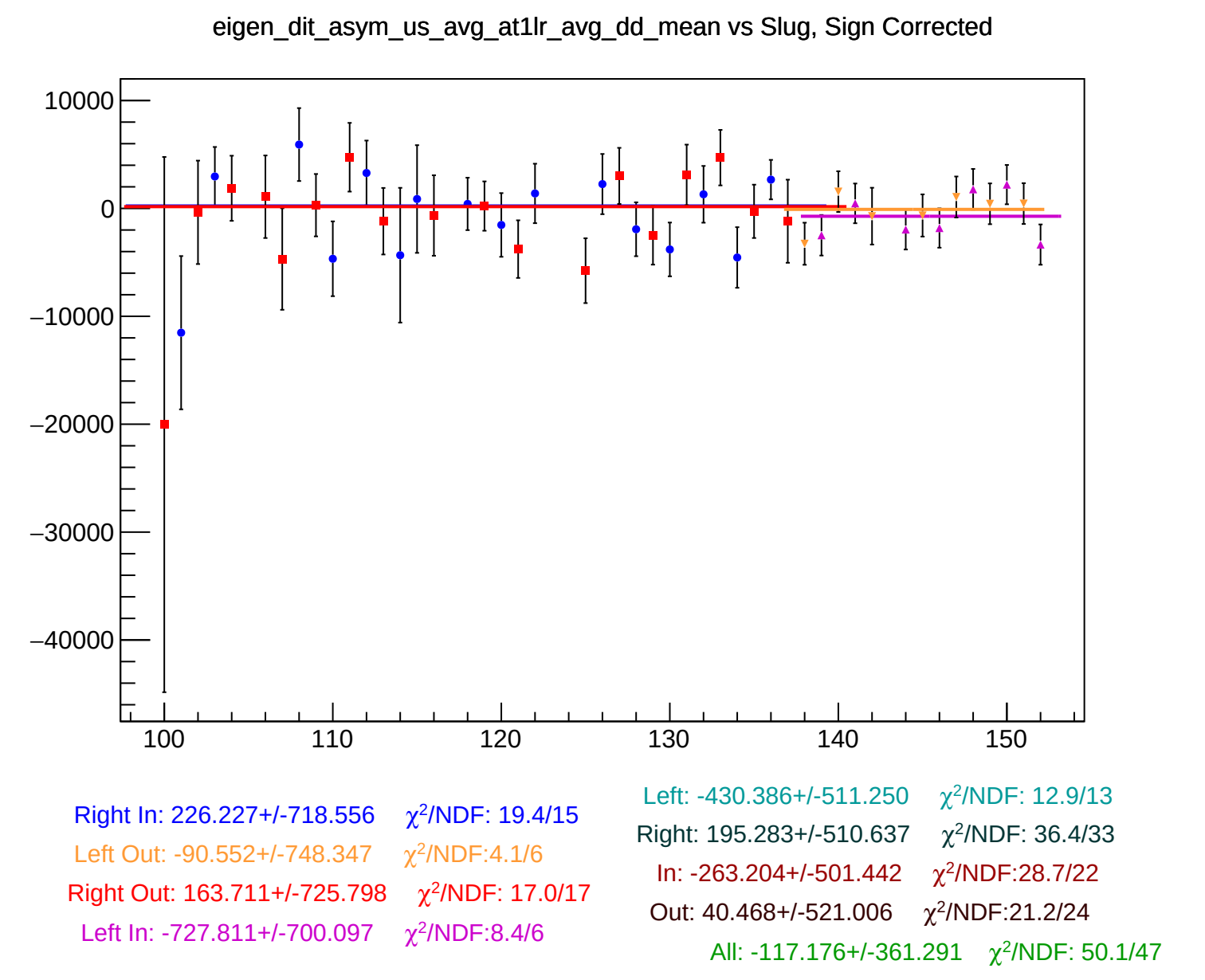
Left: 288.424+/-0.073 χ^2/NDF: 6806717.4/13

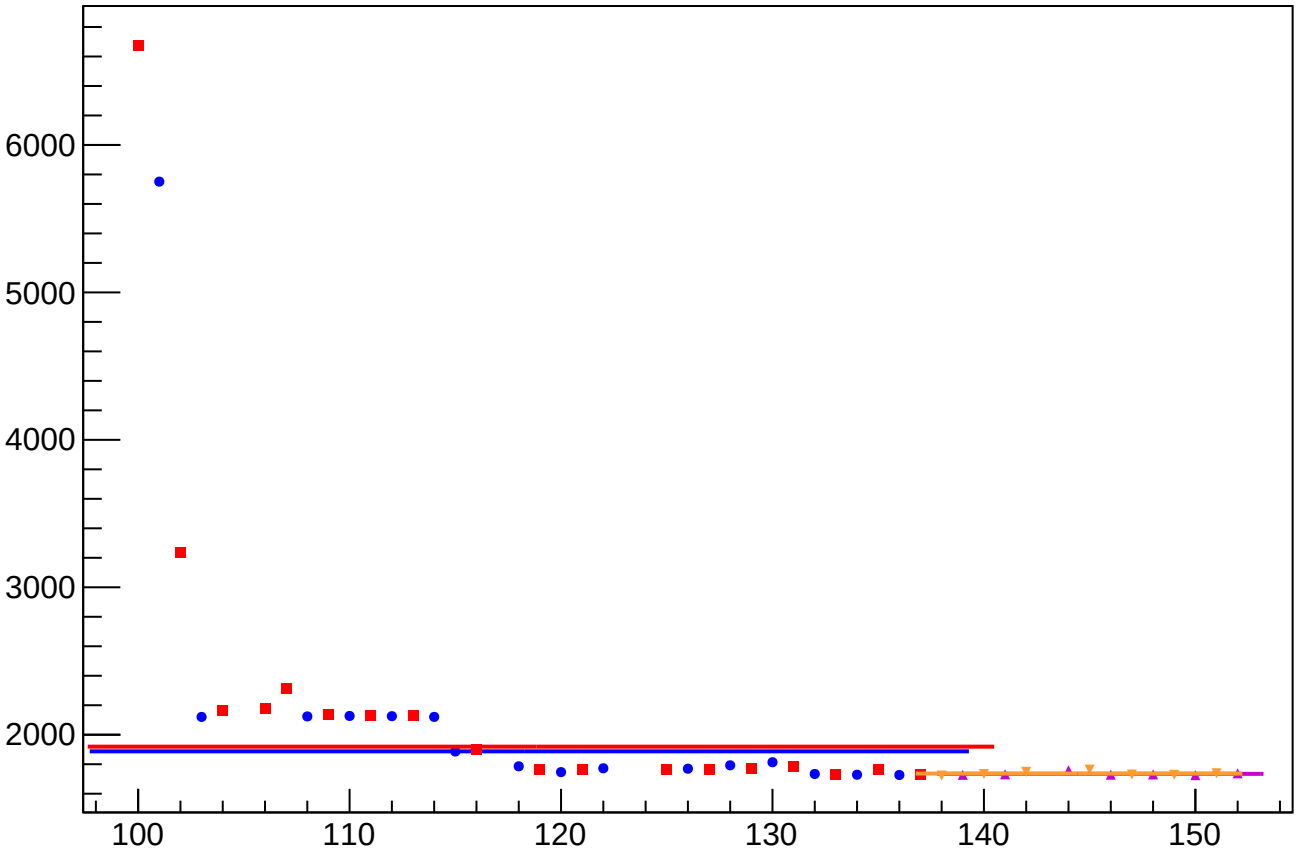
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 419.119+/-0.094 χ^2/NDF:6291468.2/22

Out: 334.166+/-0.084 χ^2/NDF:8778458.9/24

All: 371.938+/-0.062 χ^2/NDF: 15527919.4/47


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -90.552+/-748.347 χ²/NDF:4.1/6
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -727.811+/-700.097 χ²/NDF:8.4/6
Left: -430.386+/-511.250 χ²/NDF: 12.9/13
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -263.204+/-501.442 χ²/NDF:28.7/22
Out: 40.468+/-521.006 χ²/NDF:21.2/24
All: -117.176+/-361.291 χ²/NDF: 50.1/47



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: 1734.681+/-0.495 χ^2/NDF:448.0/6

Left: 1735.625+/-0.362 χ^2/NDF: 1034.5/13

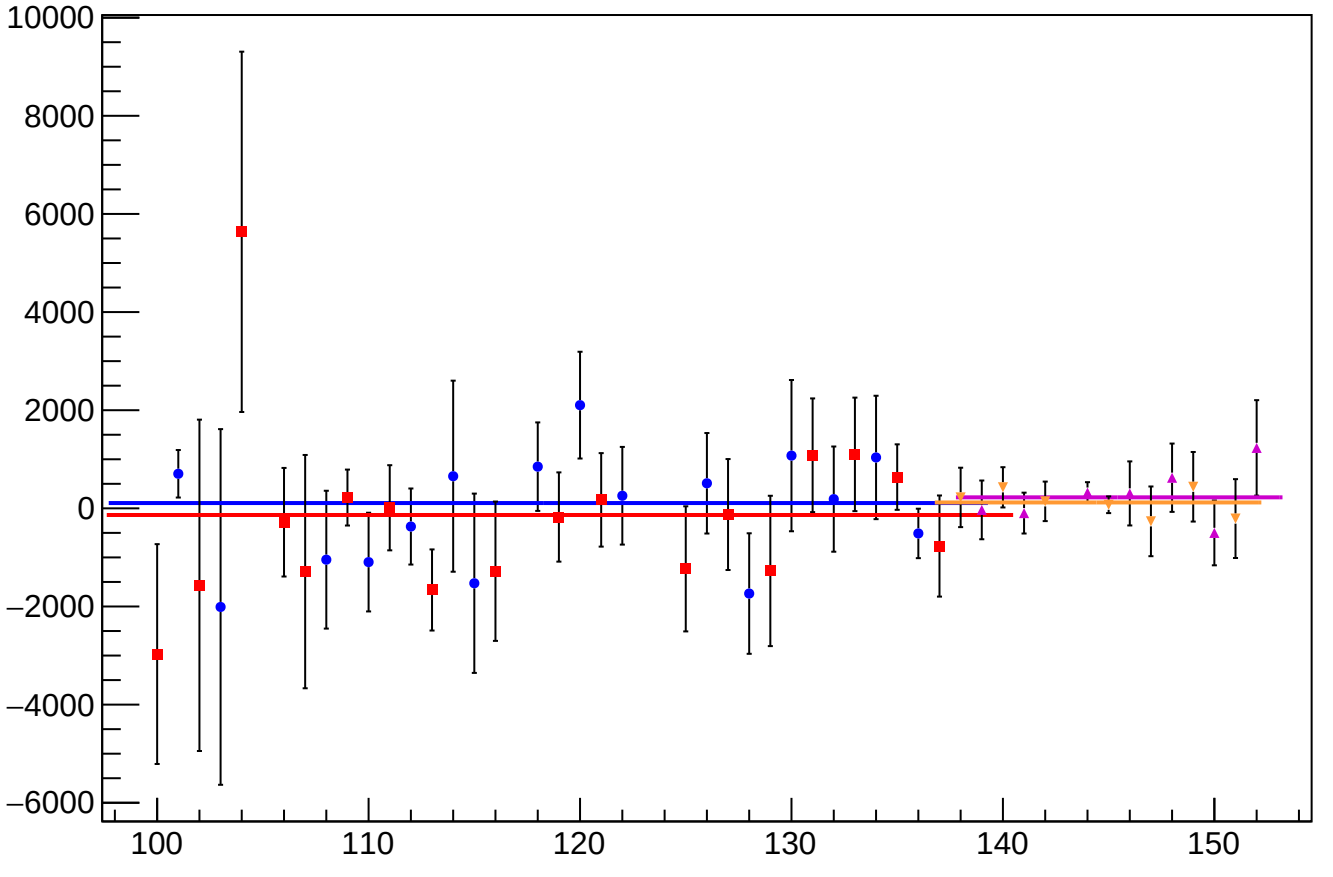
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1809.010+/-0.355 χ^2/NDF:736182.5/22

Out: 1830.724+/-0.368 χ^2/NDF:414410.8/24

All: 1819.452+/-0.255 χ^2/NDF: 1152396.7/47

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: 224.373+/-161.153 χ^2/NDF:3.6/6

Left: 163.111+/-103.508 χ^2/NDF: 5.2/13

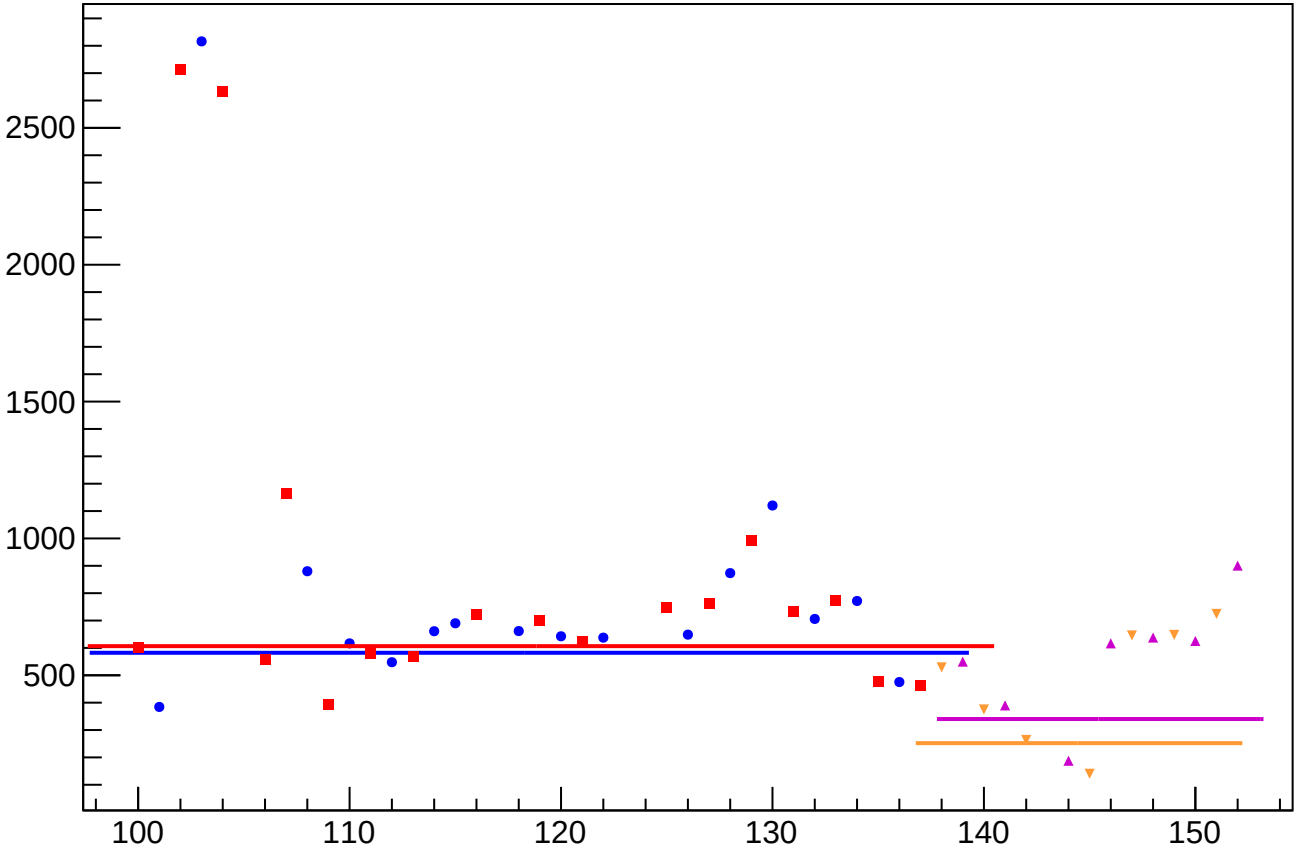
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 186.476+/-132.301 χ^2/NDF:17.9/22

Out: 60.907+/-118.375 χ^2/NDF:16.5/24

All: 116.737+/-88.218 χ^2/NDF: 34.9/47

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: 340.203+/-0.114 χ^2/NDF:3066003.8/6

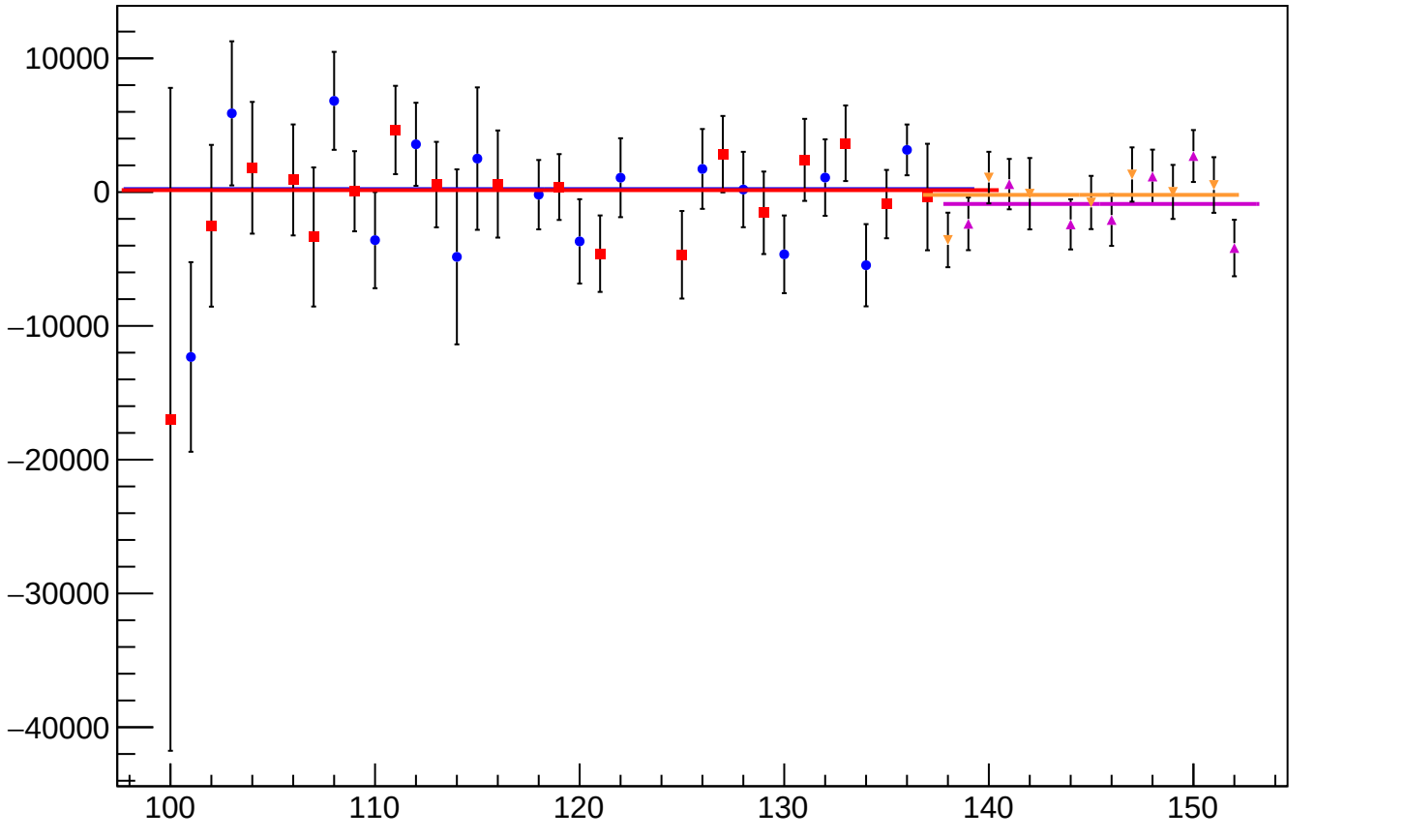
Left: 288.424+/-0.073 χ^2/NDF: 6806746.4/13

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 419.120+/-0.094 χ^2/NDF:6291446.1/22

Out: 334.166+/-0.084 χ^2/NDF:8778450.6/24

All: 371.938+/-0.062 χ^2/NDF: 15527893.5/47



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: -884.633+/-739.747 χ^2/NDF:9.1/6

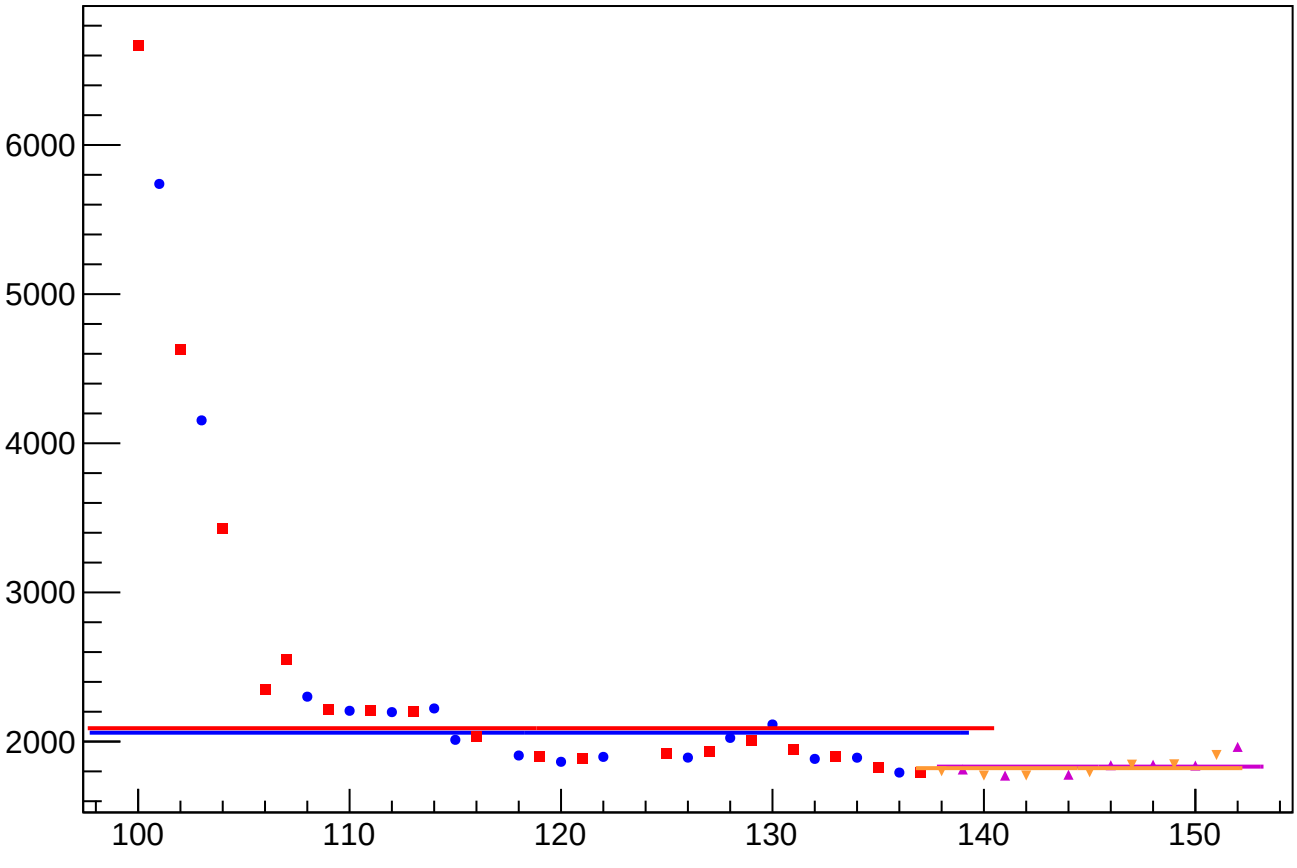
Left: -565.792+/-538.457 χ^2/NDF: 13.5/13

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -367.624+/-540.507 χ^2/NDF:31.3/22

Out: -31.257+/-558.396 χ^2/NDF:15.6/24

All: -204.915+/-388.366 χ^2/NDF: 47.2/47



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: 1831.955+/-0.523 χ^2/NDF:11920.3/6

Left: 1827.119+/-0.381 χ^2/NDF: 18886.4/13

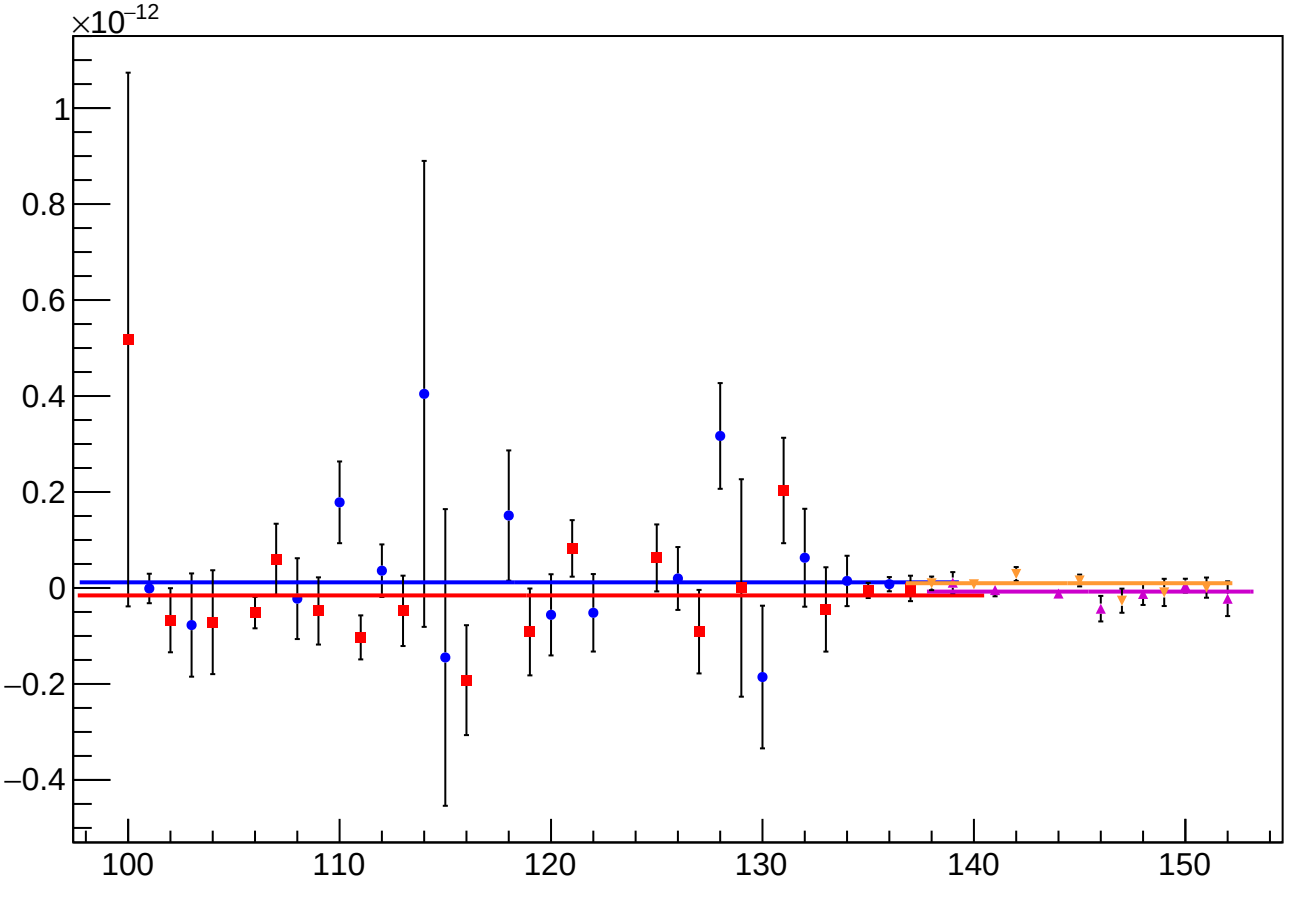
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1938.019+/-0.382 χ^2/NDF:1039997.8/22

Out: 1954.064+/-0.395 χ^2/NDF:803244.9/24

All: 1945.780+/-0.275 χ^2/NDF: 1844095.2/47

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.8/6

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: -0.000+/-0.000 χ^2/NDF:3.7/6

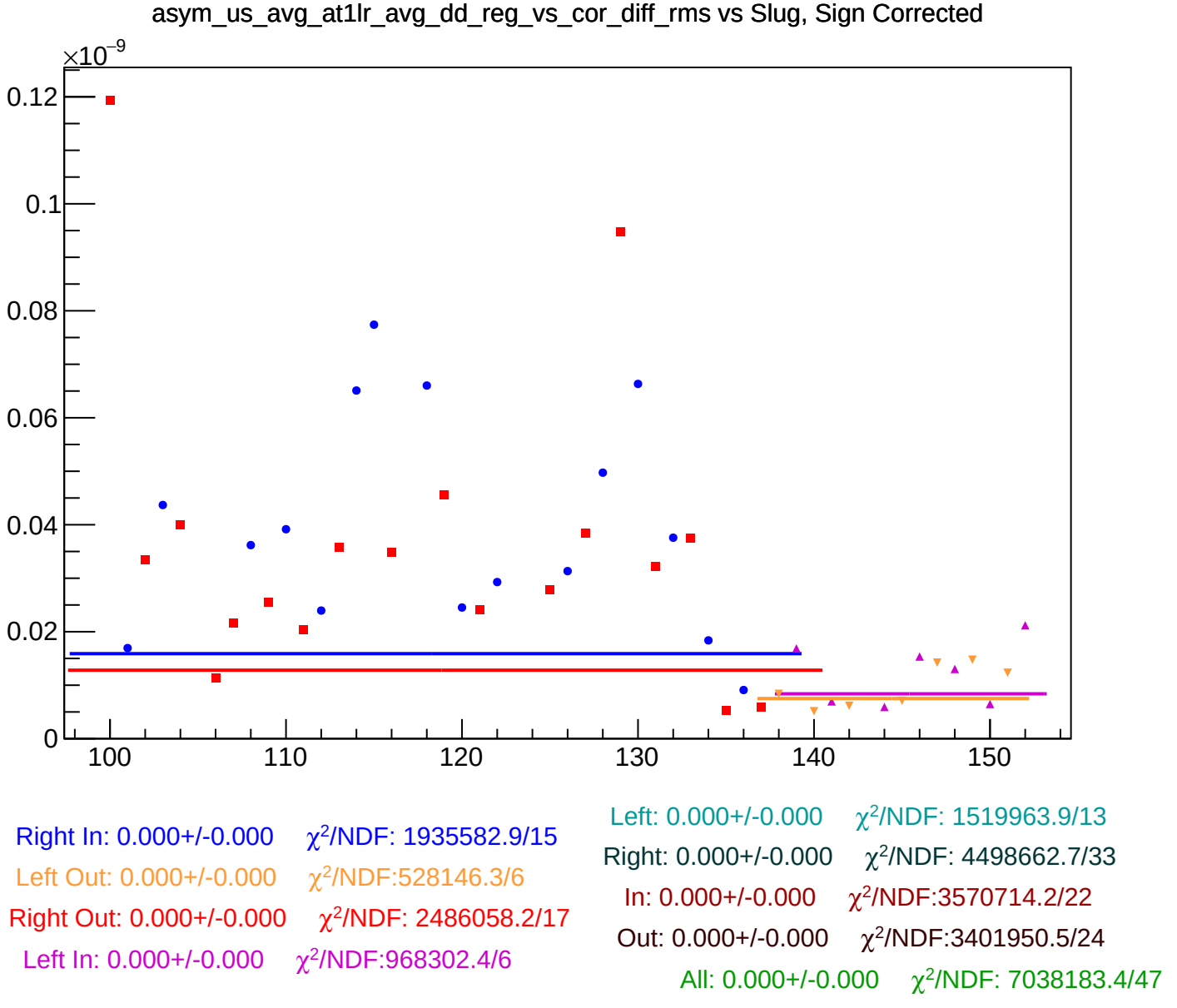
Left: 0.000+/-0.000 χ^2/NDF: 13.1/13

Right: -0.000+/-0.000 χ^2/NDF: 41.8/33

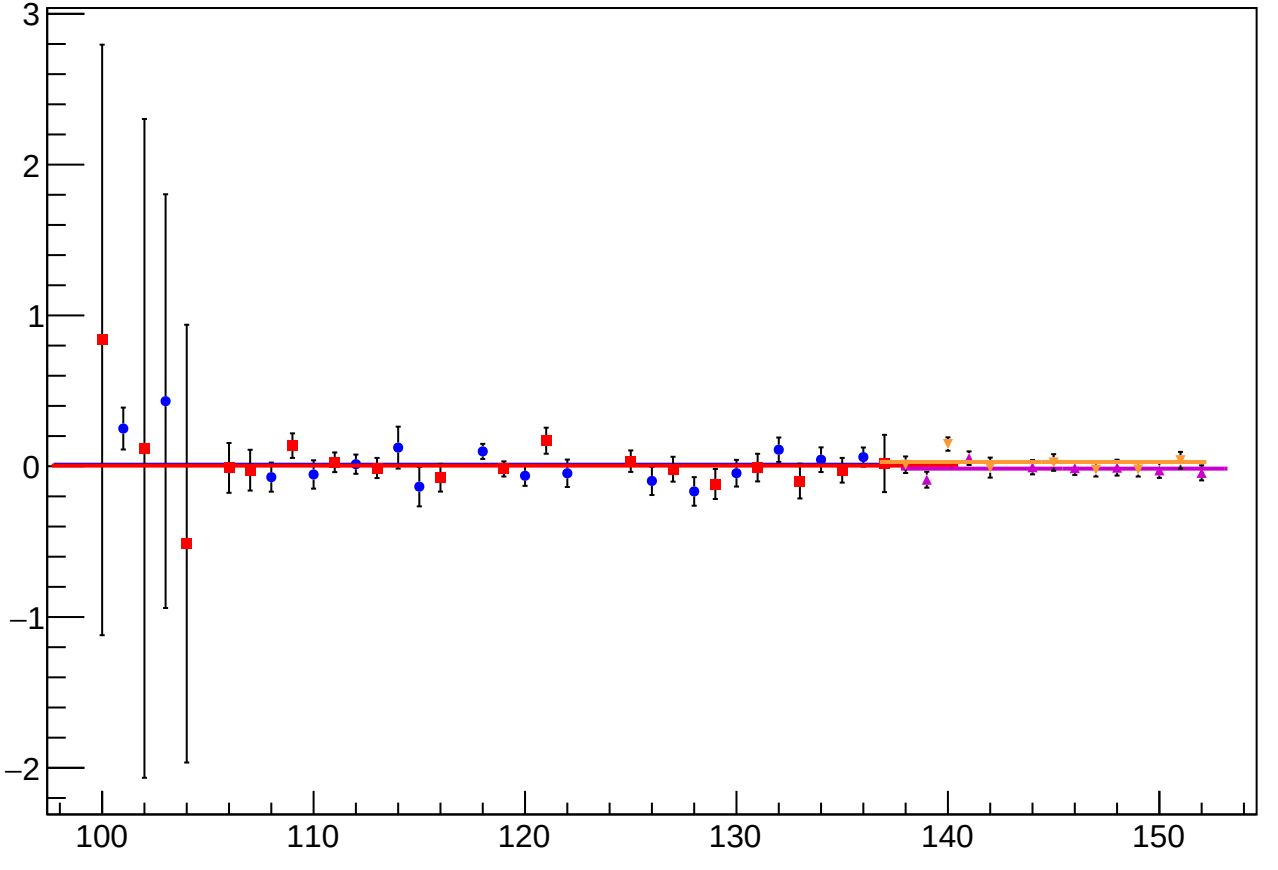
In: -0.000+/-0.000 χ^2/NDF:24.0/22

Out: 0.000+/-0.000 χ^2/NDF:30.0/24

All: 0.000+/-0.000 χ^2/NDF: 55.2/47


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:968302.4/6
Left: 0.000+/-0.000 χ²/NDF: 1519963.9/13
Right: 0.000+/-0.000 χ²/NDF: 4498662.7/33
In: 0.000+/-0.000 χ²/NDF:3570714.2/22
Out: 0.000+/-0.000 χ²/NDF:3401950.5/24
All: 0.000+/-0.000 χ²/NDF: 7038183.4/47

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: -0.016+/-0.018 χ^2/NDF:4.7/6

Left: 0.005+/-0.013 χ^2/NDF: 17.5/13

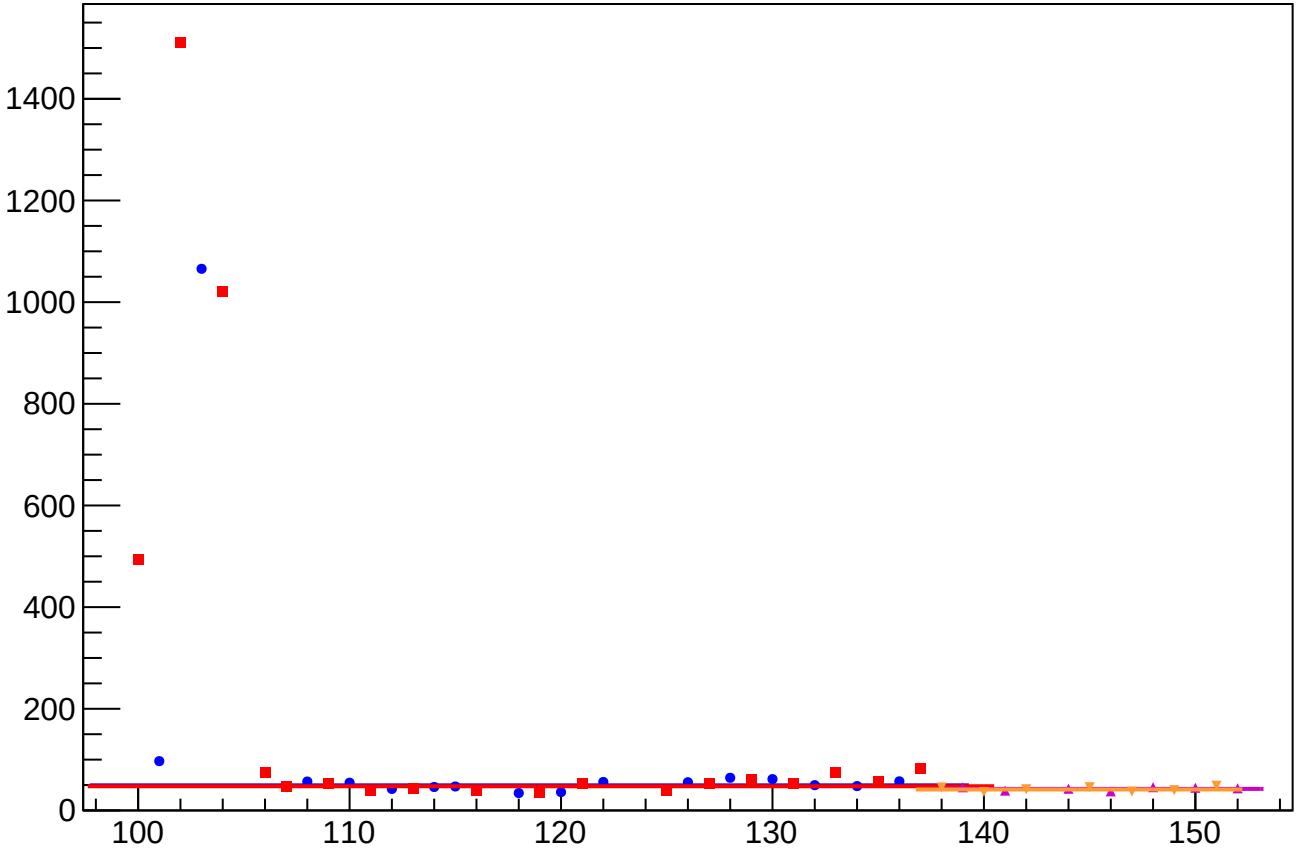
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.005+/-0.014 χ^2/NDF:24.0/22

Out: 0.017+/-0.014 χ^2/NDF:21.2/24

All: 0.006+/-0.010 χ^2/NDF: 46.5/47

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: 42.377+/-0.013 χ^2/NDF:54198.5/6

Left: 41.847+/-0.009 χ^2/NDF: 160222.1/13

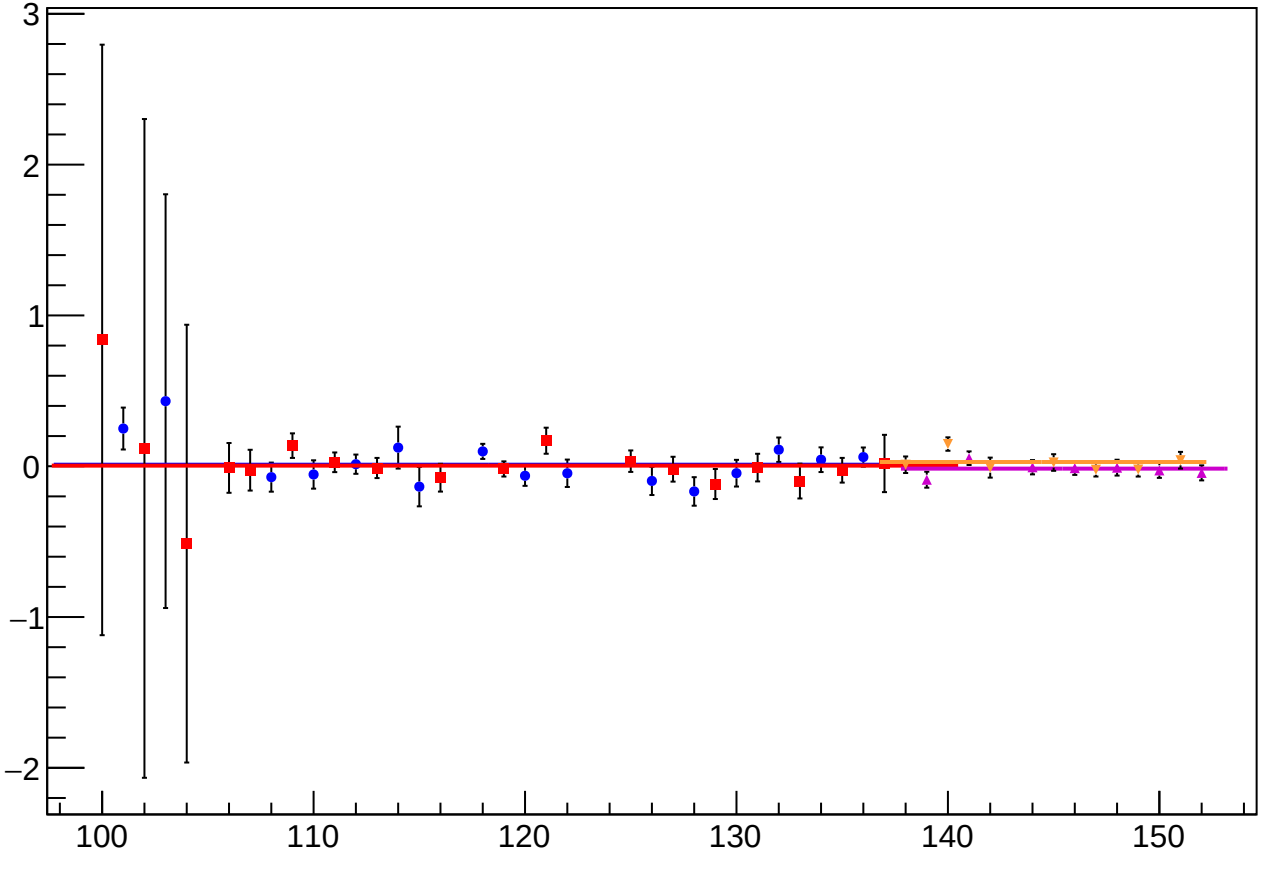
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.405+/-0.010 χ^2/NDF:1955610.9/22

Out: 44.100+/-0.010 χ^2/NDF:2616823.4/24

All: 44.778+/-0.007 χ^2/NDF: 4581001.6/47

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: -0.016+/-0.018 χ^2/NDF:4.7/6

Left: 0.005+/-0.013 χ^2/NDF: 17.5/13

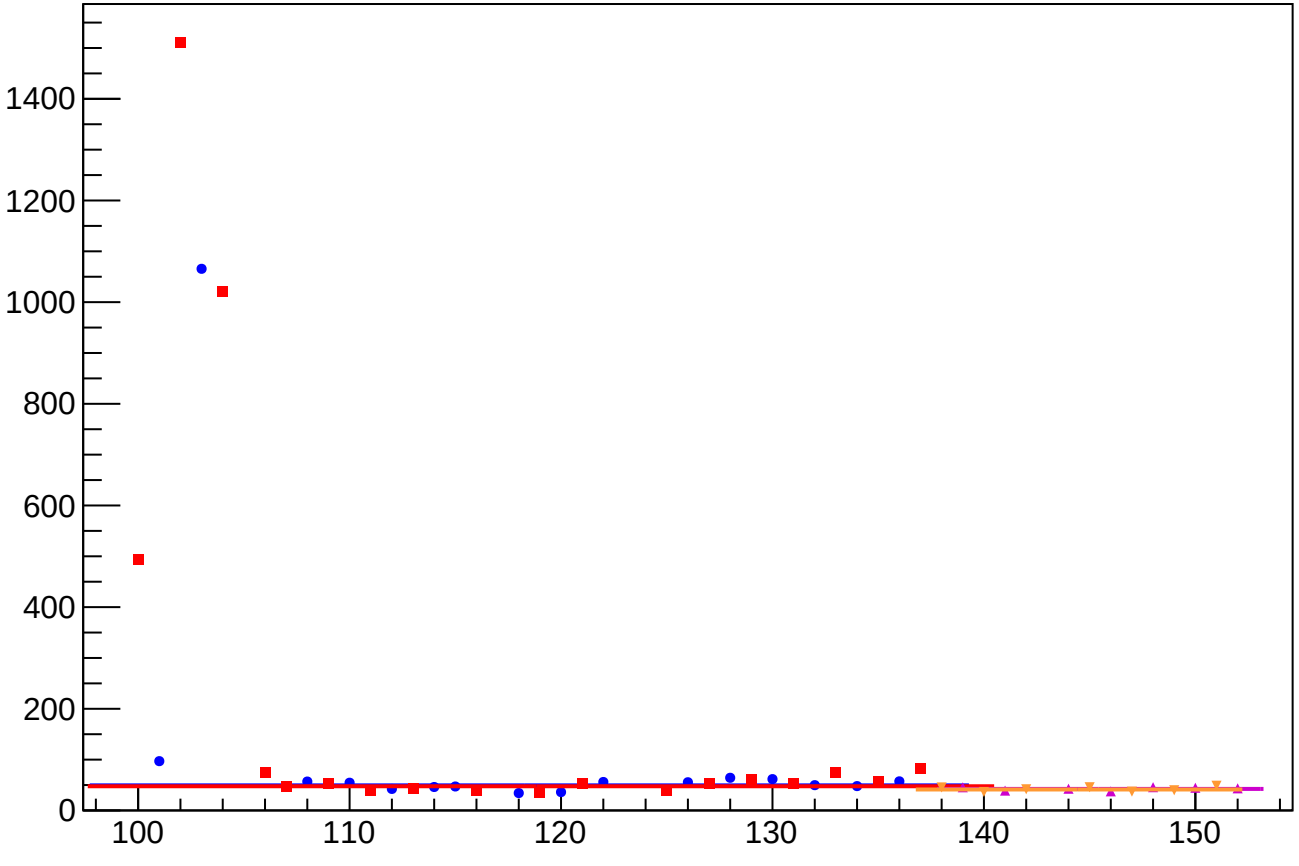
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.005+/-0.014 χ^2/NDF:24.0/22

Out: 0.017+/-0.014 χ^2/NDF:21.2/24

All: 0.006+/-0.010 χ^2/NDF: 46.5/47

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: 42.377+/-0.013 χ^2/NDF:54198.5/6

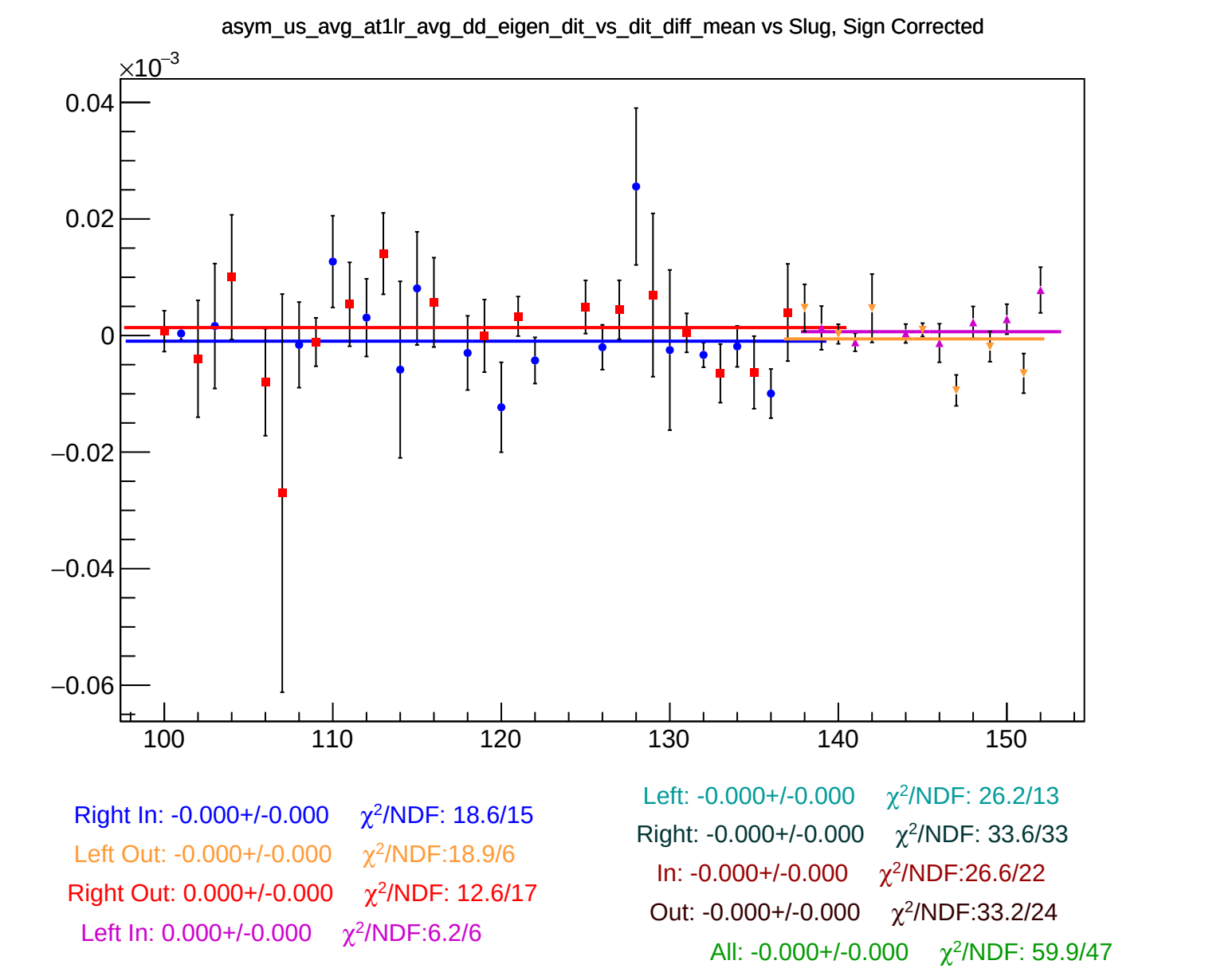
Left: 41.847+/-0.009 χ^2/NDF: 160222.1/13

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

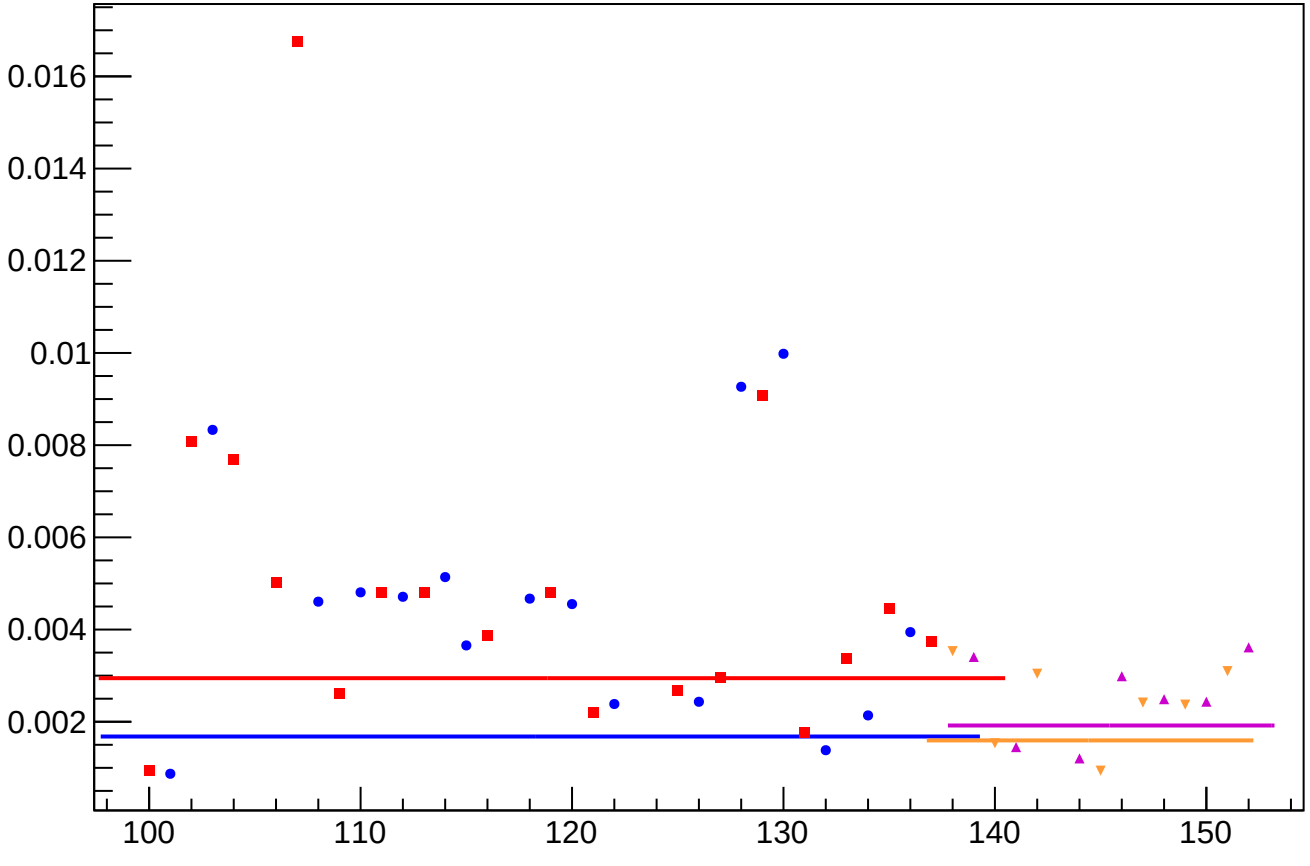
In: 45.405+/-0.010 χ^2/NDF:1955610.9/22

Out: 44.100+/-0.010 χ^2/NDF:2616823.4/24

All: 44.778+/-0.007 χ^2/NDF: 4581001.6/47


asym_us_avg_at1lr_avg_dd_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: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:18.9/6
Right Out: 0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:6.2/6
Left: -0.000+/-0.000 χ²/NDF: 26.2/13
Right: -0.000+/-0.000 χ²/NDF: 33.6/33
In: -0.000+/-0.000 χ²/NDF:26.6/22
Out: -0.000+/-0.000 χ²/NDF:33.2/24
All: -0.000+/-0.000 χ²/NDF: 59.9/47

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:1640372.8/6

Left: 0.002+/-0.000 χ^2/NDF: 3791557.7/13

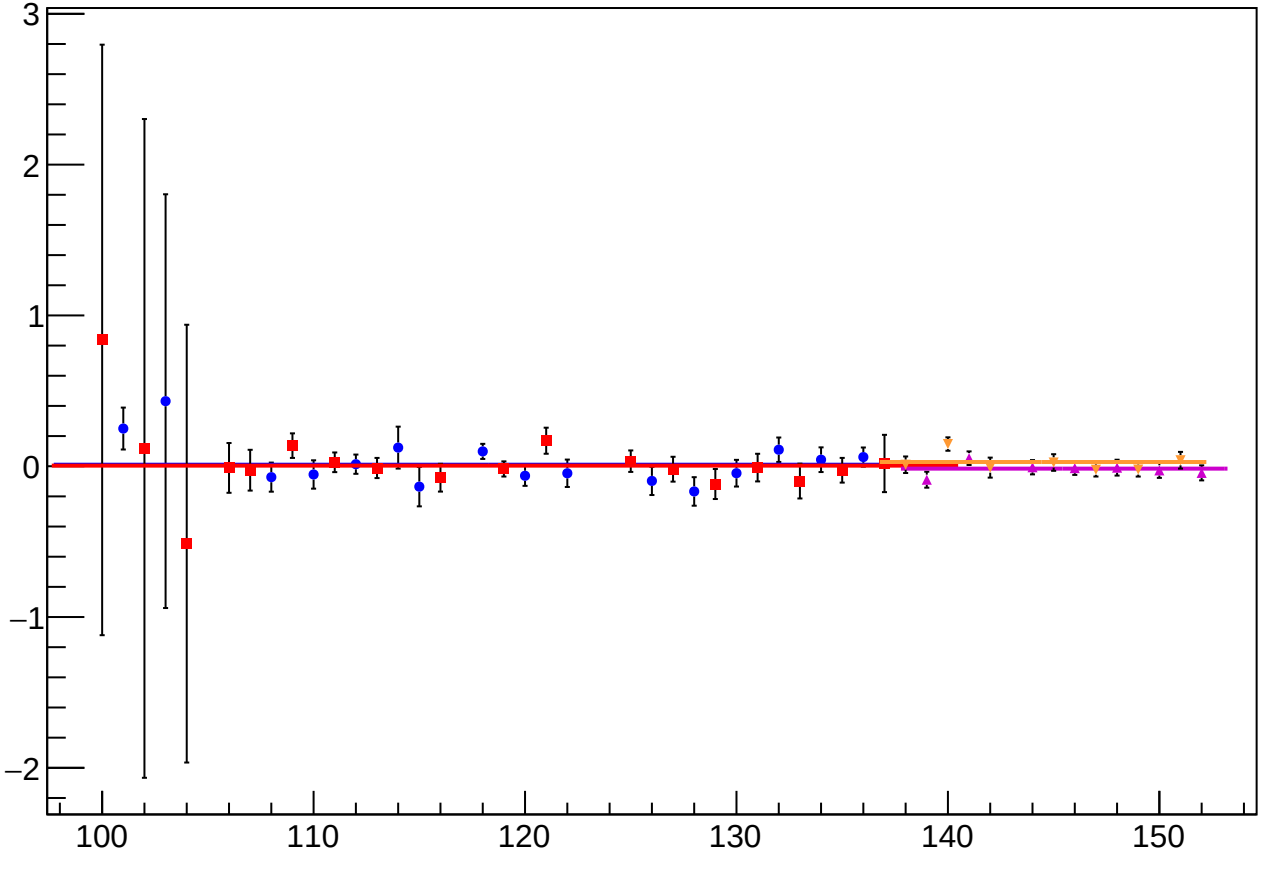
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:7679474.7/22

Out: 0.002+/-0.000 χ^2/NDF:6969767.5/24

All: 0.002+/-0.000 χ^2/NDF: 14722491.4/47

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: -0.016+/-0.018 χ^2/NDF:4.7/6

Left: 0.005+/-0.013 χ^2/NDF: 17.5/13

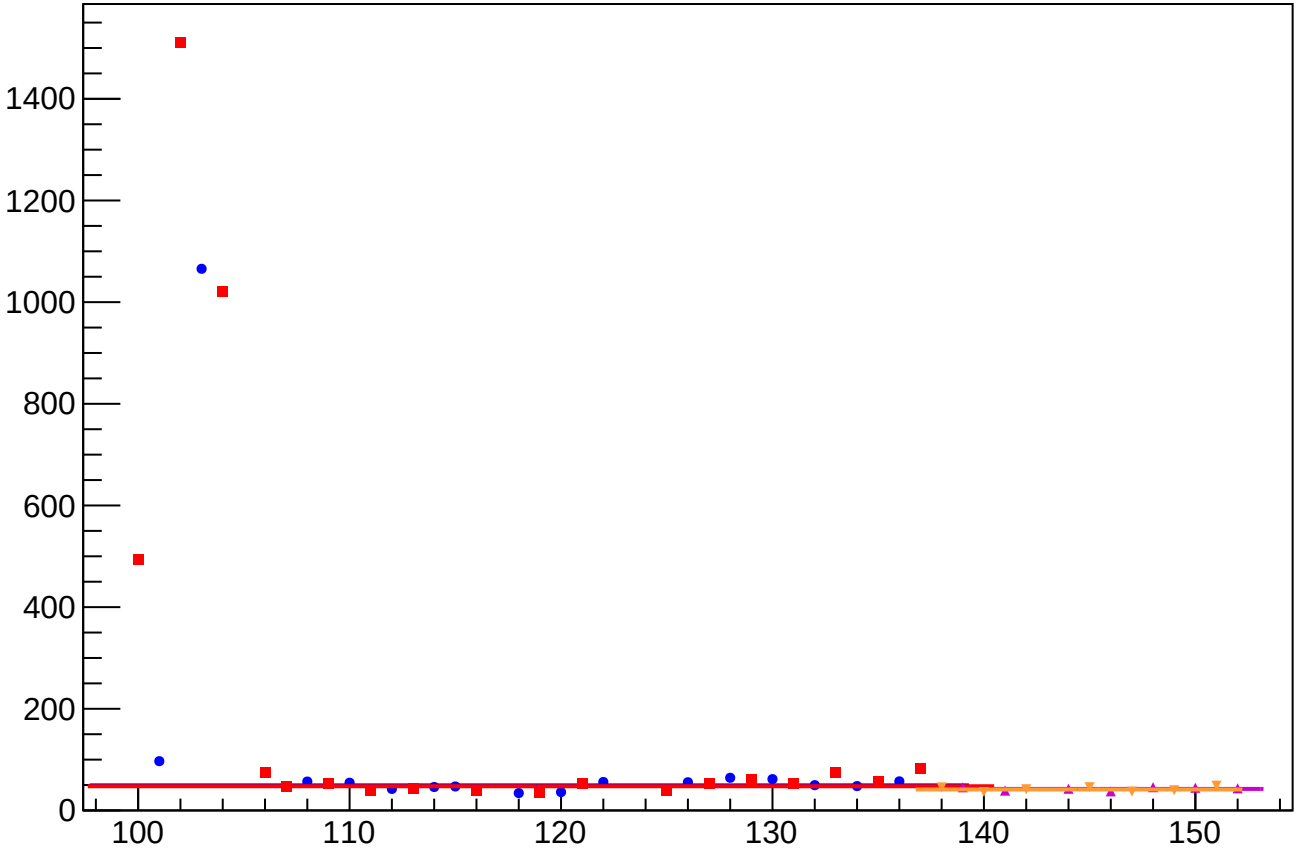
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.005+/-0.014 χ^2/NDF:24.0/22

Out: 0.017+/-0.014 χ^2/NDF:21.2/24

All: 0.006+/-0.010 χ^2/NDF: 46.5/47

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: 42.376+/-0.013 χ^2/NDF:54213.2/6

Left: 41.847+/-0.009 χ^2/NDF: 160237.3/13

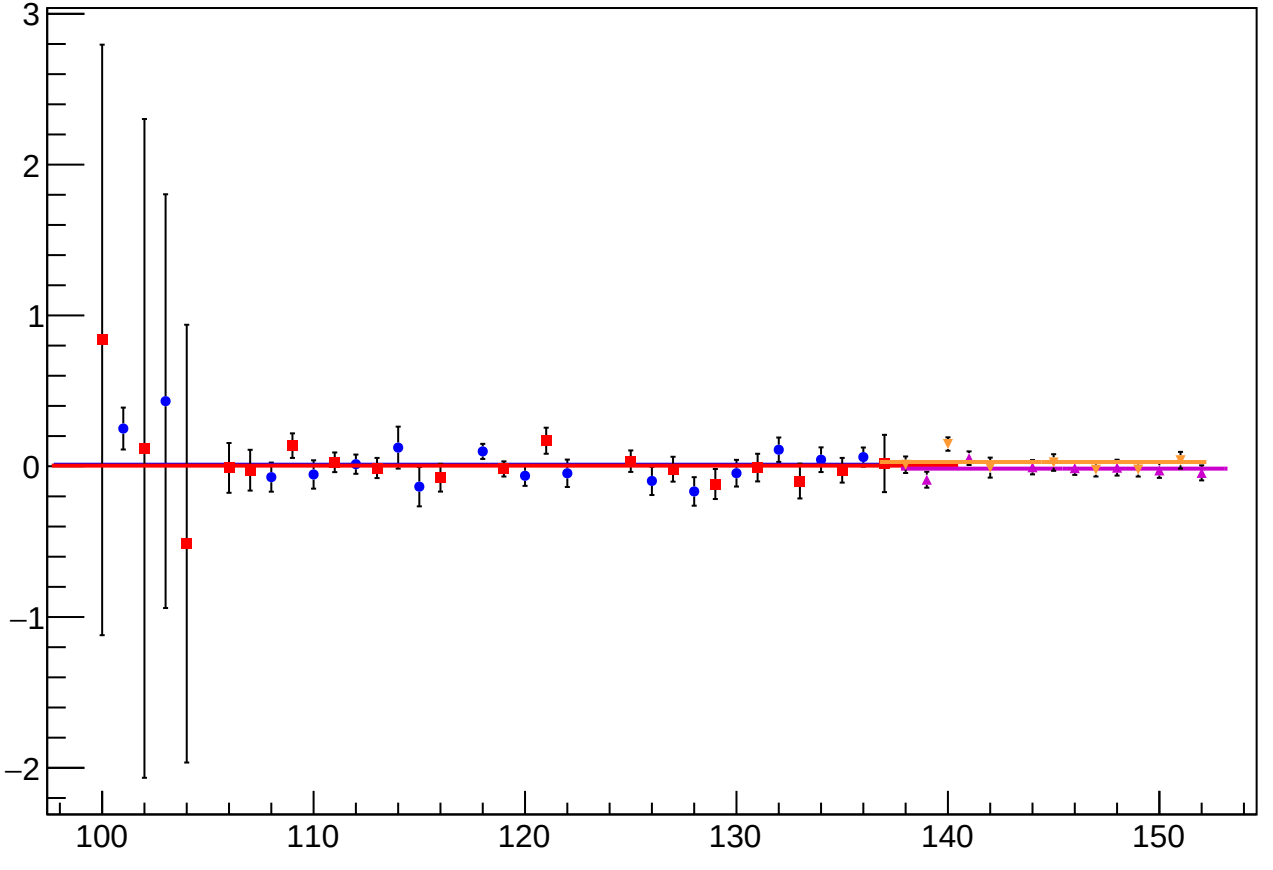
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.405+/-0.010 χ^2/NDF:1955589.9/22

Out: 44.099+/-0.010 χ^2/NDF:2616831.8/24

All: 44.778+/-0.007 χ^2/NDF: 4580988.7/47

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: -0.016+/-0.018 χ^2/NDF:4.7/6

Left: 0.005+/-0.013 χ^2/NDF: 17.5/13

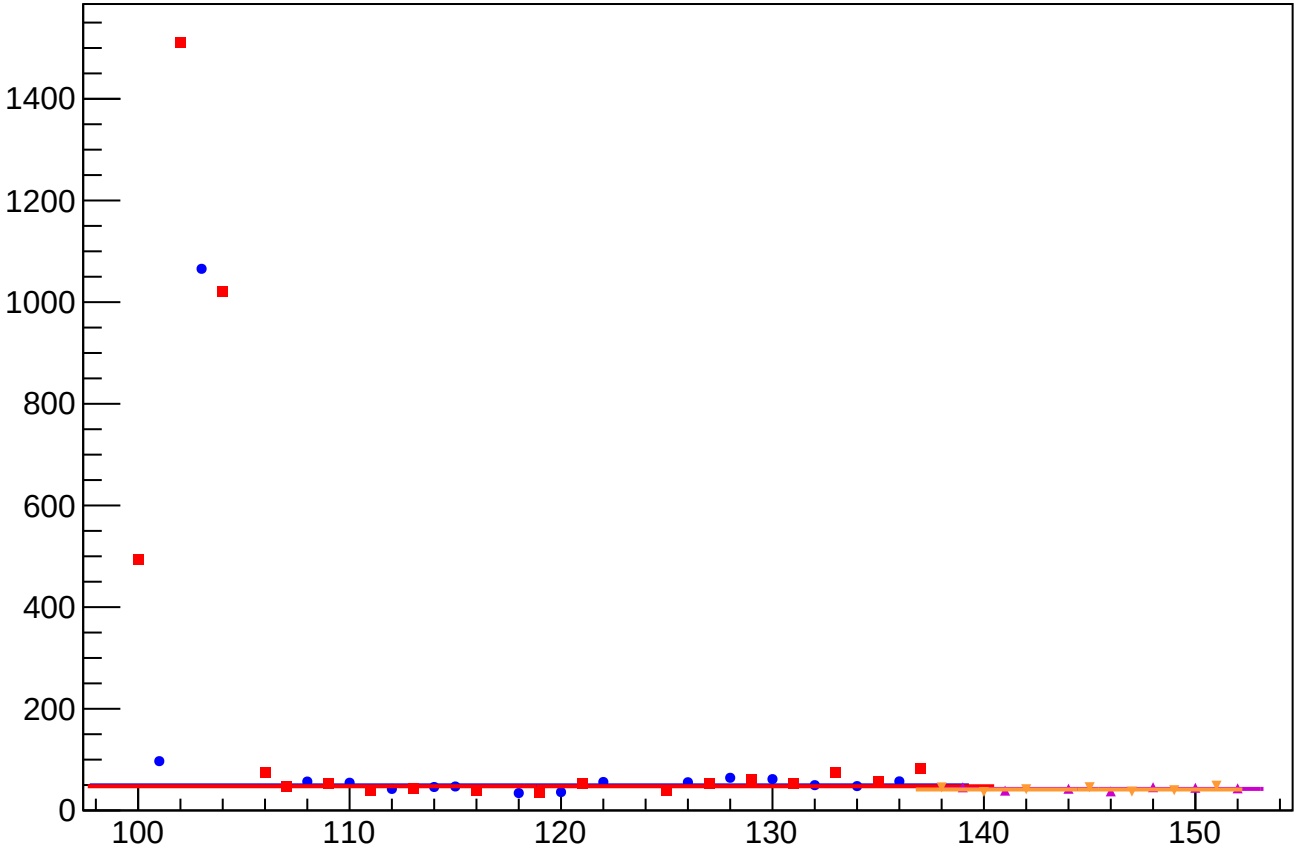
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.005+/-0.014 χ^2/NDF:24.0/22

Out: 0.017+/-0.014 χ^2/NDF:21.2/24

All: 0.006+/-0.010 χ^2/NDF: 46.5/47

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: 42.376+/-0.013 χ^2/NDF:54213.2/6

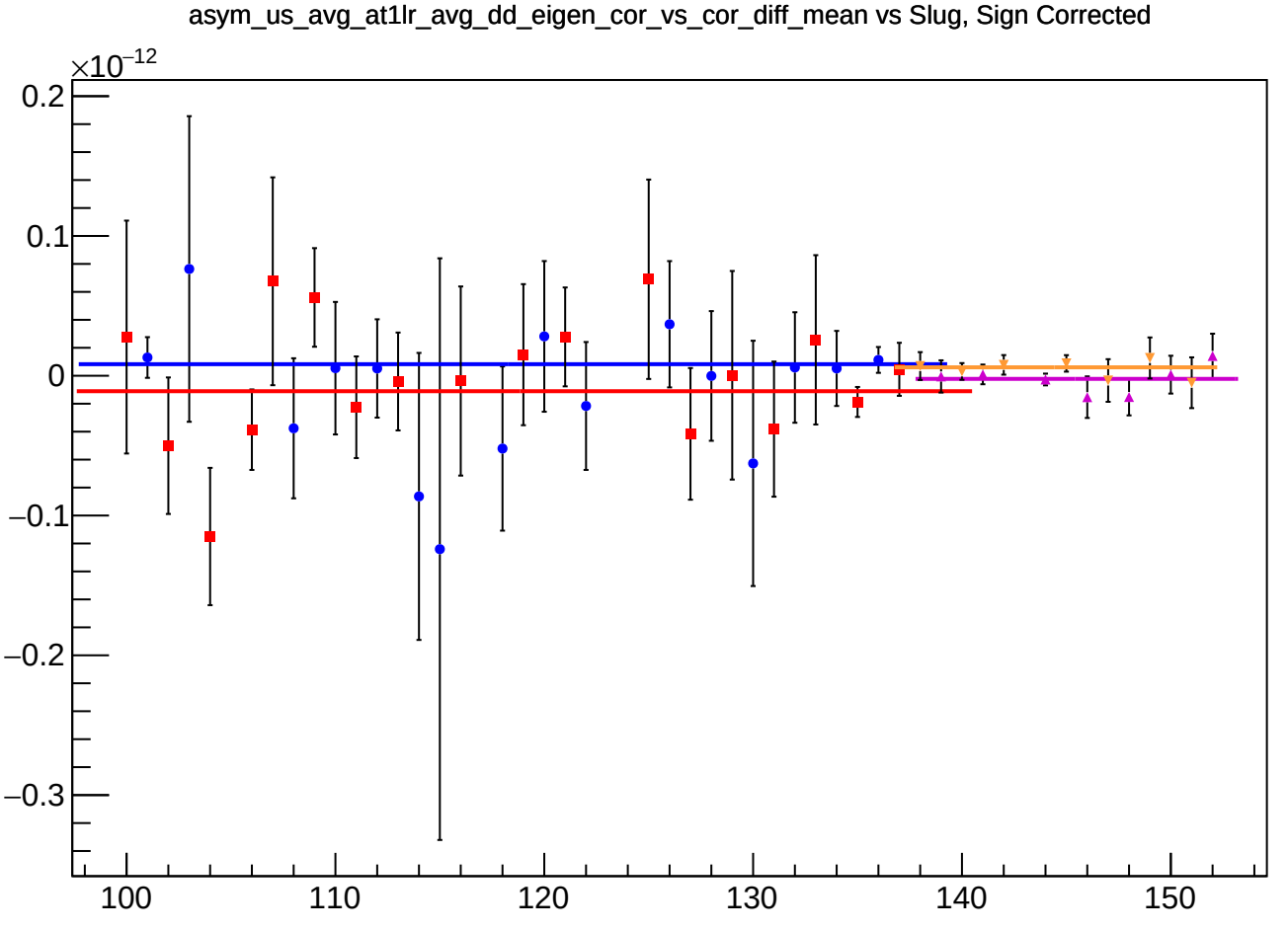
Left: 41.847+/-0.009 χ^2/NDF: 160237.3/13

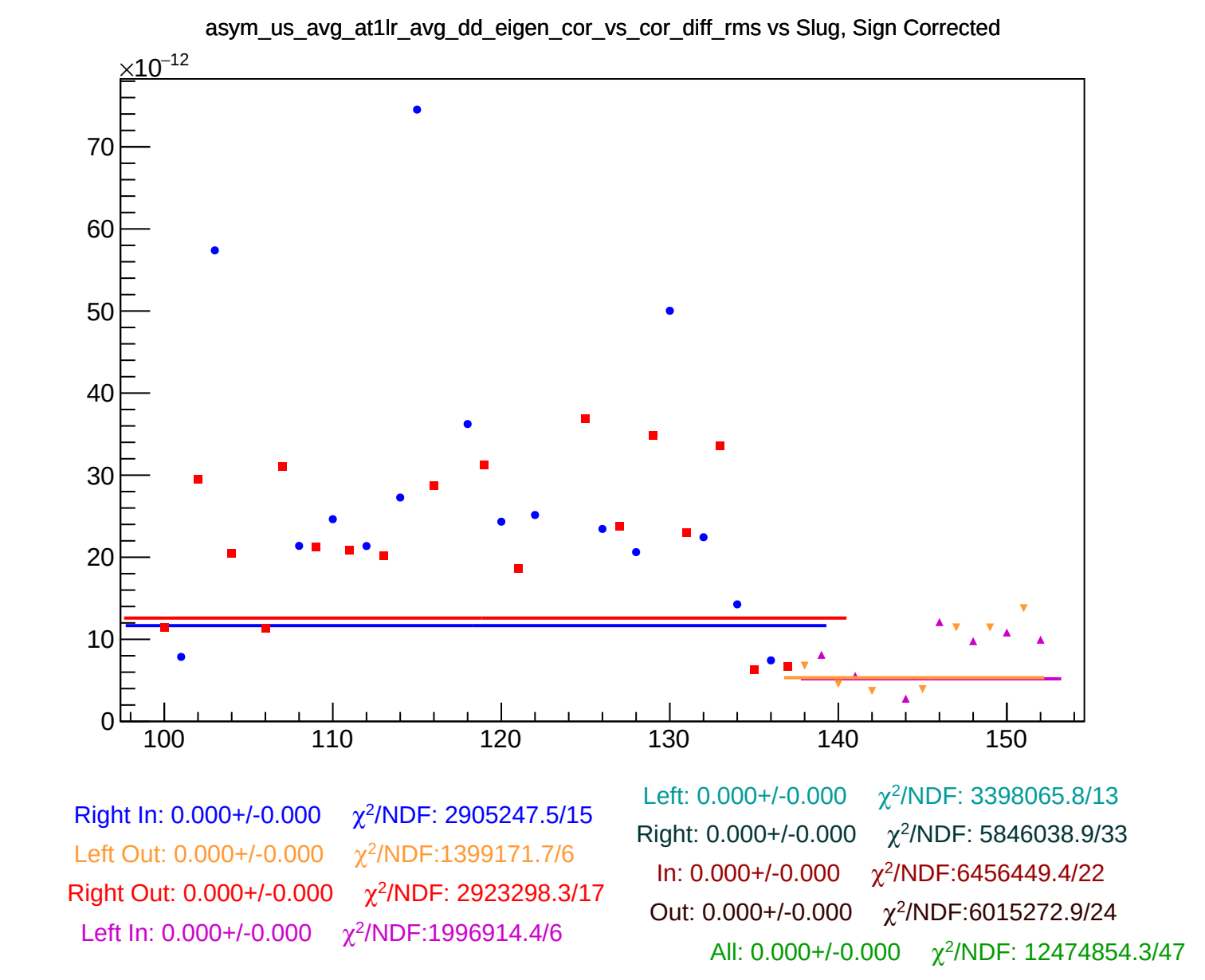
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

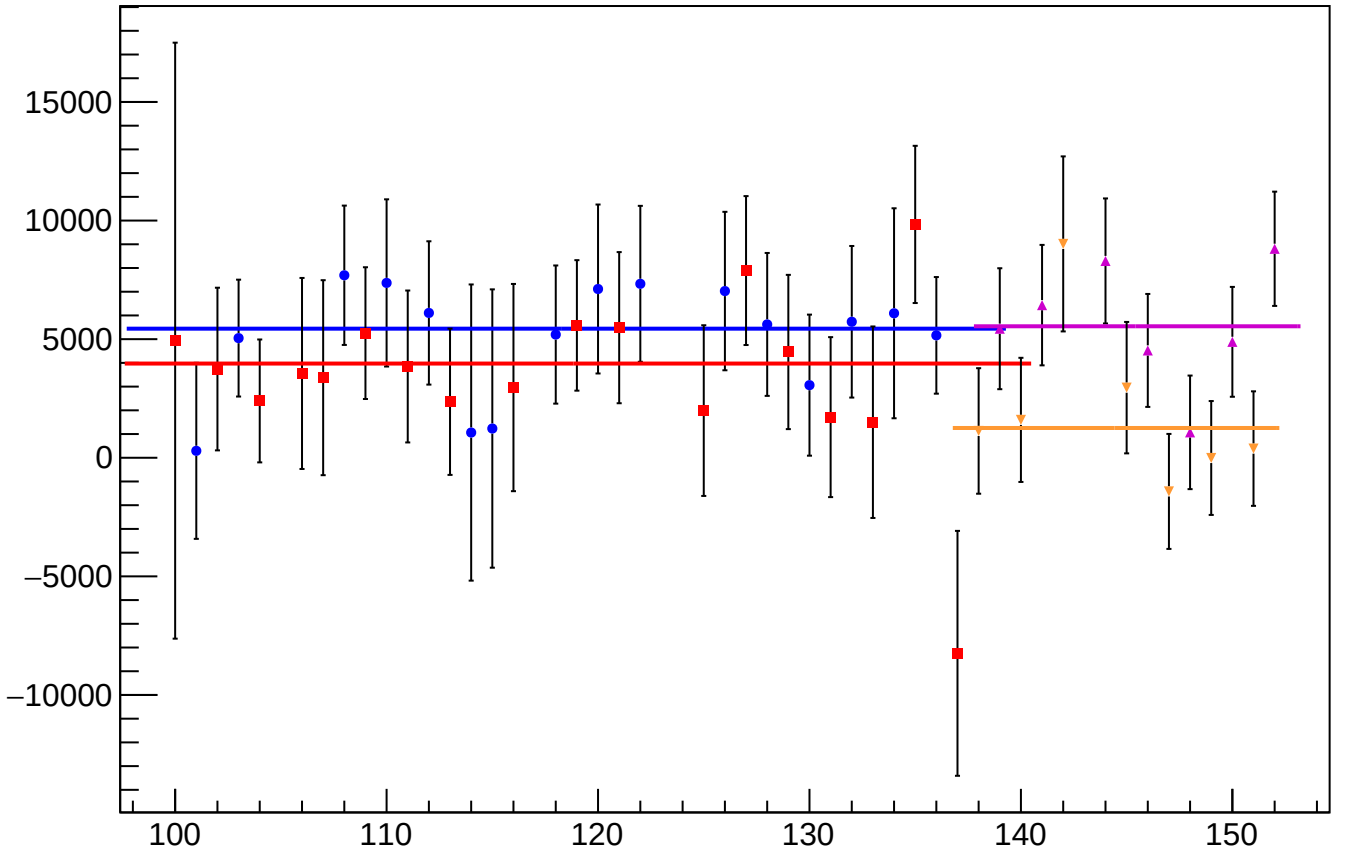
In: 45.405+/-0.010 χ^2/NDF:1955589.9/22

Out: 44.099+/-0.010 χ^2/NDF:2616831.8/24

All: 44.778+/-0.007 χ^2/NDF: 4580988.7/47


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1.5/6
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: -0.000+/-0.000 χ²/NDF:3.1/6
Left: 0.000+/-0.000 χ²/NDF: 8.1/13
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: -0.000+/-0.000 χ²/NDF:10.6/22
Out: 0.000+/-0.000 χ²/NDF:22.4/24
All: 0.000+/-0.000 χ²/NDF: 33.7/47


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1399171.7/6
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:1996914.4/6
Left: 0.000+/-0.000 χ²/NDF: 3398065.8/13
Right: 0.000+/-0.000 χ²/NDF: 5846038.9/33
In: 0.000+/-0.000 χ²/NDF:6456449.4/22
Out: 0.000+/-0.000 χ²/NDF:6015272.9/24
All: 0.000+/-0.000 χ²/NDF: 12474854.3/47



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: 5543.281+/-927.458 χ^2/NDF:6.8/6

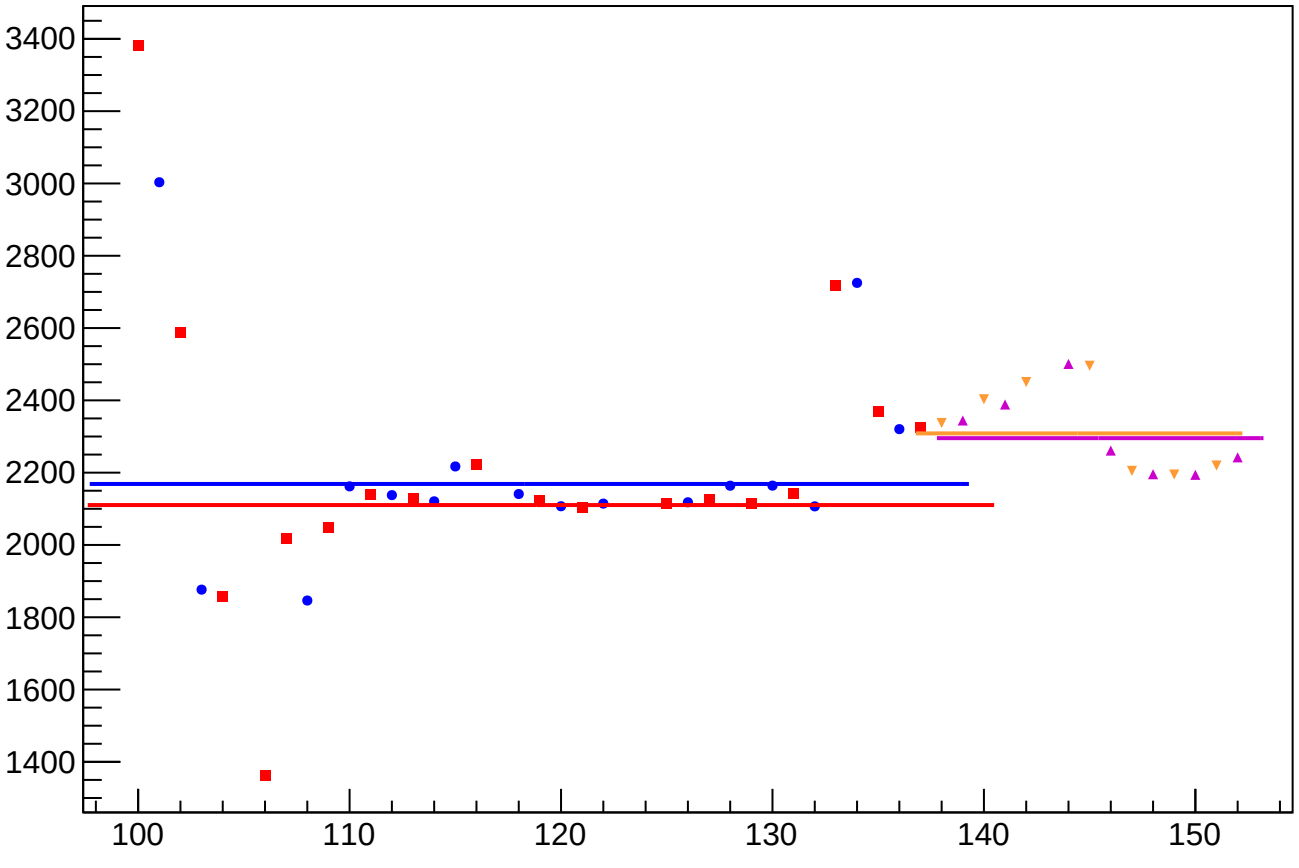
Left: 3552.049+/-678.772 χ^2/NDF: 23.2/13

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5486.170+/-611.165 χ^2/NDF:12.2/22

Out: 2892.007+/-627.981 χ^2/NDF:23.9/24

All: 4224.287+/-437.983 χ^2/NDF: 44.8/47



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2308.634+/-0.704 χ^2/NDF:25796.6/6

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2295.453+/-0.656 χ^2/NDF:24257.8/6

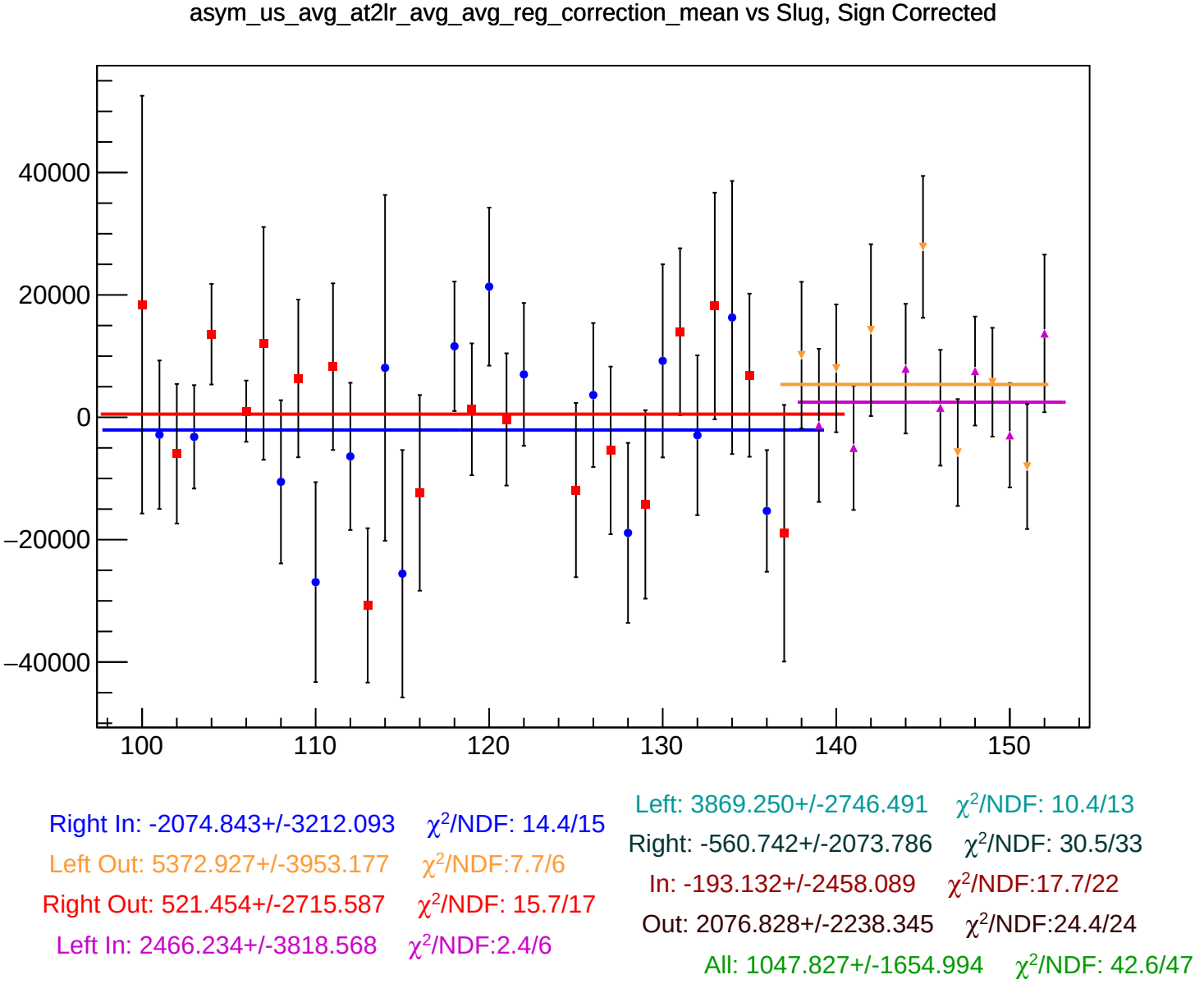
Left: 2301.574+/-0.480 χ^2/NDF: 50241.9/13

Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

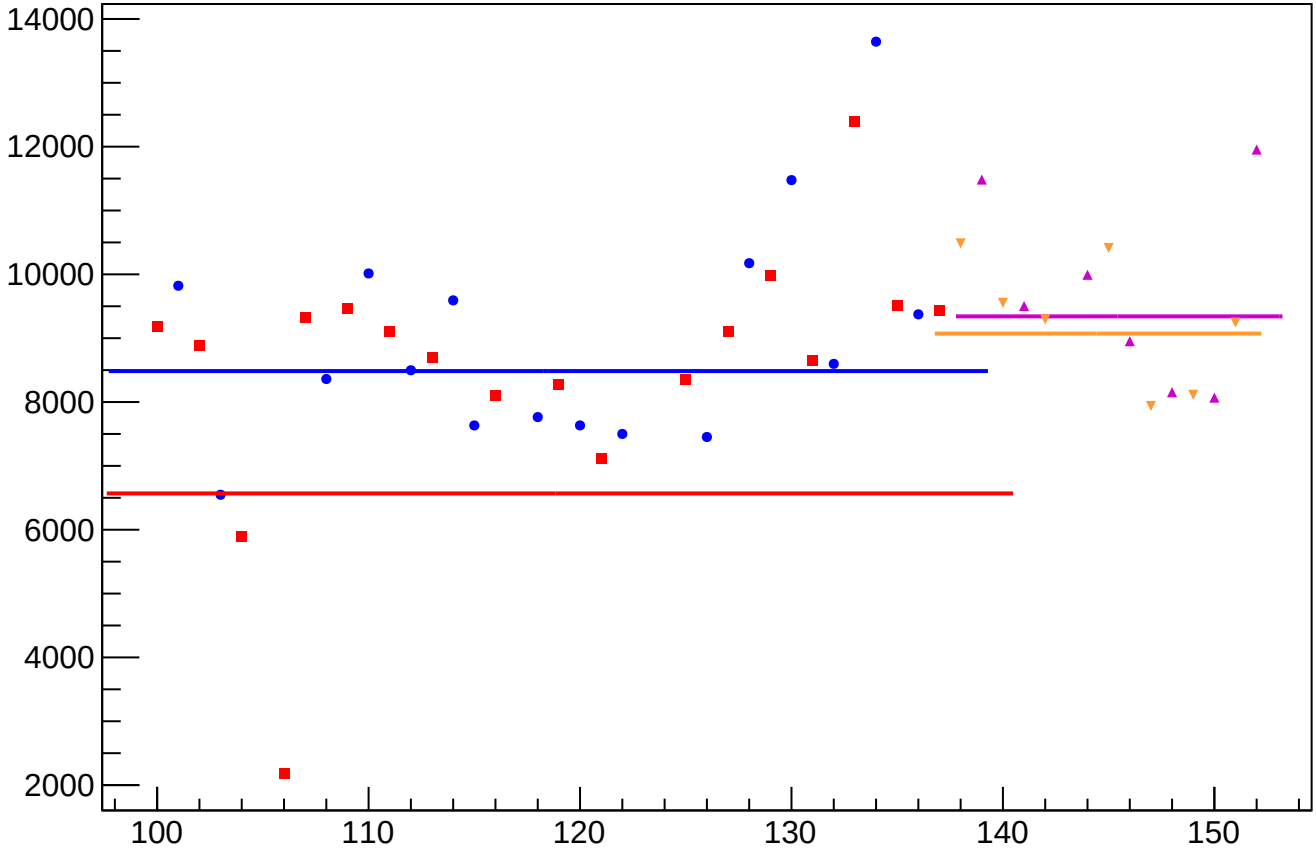
In: 2223.750+/-0.432 χ^2/NDF:241046.8/22

Out: 2187.658+/-0.440 χ^2/NDF:341561.4/24

All: 2206.018+/-0.308 χ^2/NDF: 586034.9/47


asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
Right In: -2074.843+/-3212.093 χ²/NDF: 14.4/15
Left Out: 5372.927+/-3953.177 χ²/NDF:7.7/6
Right Out: 521.454+/-2715.587 χ²/NDF: 15.7/17
Left In: 2466.234+/-3818.568 χ²/NDF:2.4/6
Left: 3869.250+/-2746.491 χ²/NDF: 10.4/13
Right: -560.742+/-2073.786 χ²/NDF: 30.5/33
In: -193.132+/-2458.089 χ²/NDF:17.7/22
Out: 2076.828+/-2238.345 χ²/NDF:24.4/24
All: 1047.827+/-1654.994 χ²/NDF: 42.6/47

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: 9341.872+/-2.700 χ^2/NDF:232496.4/6

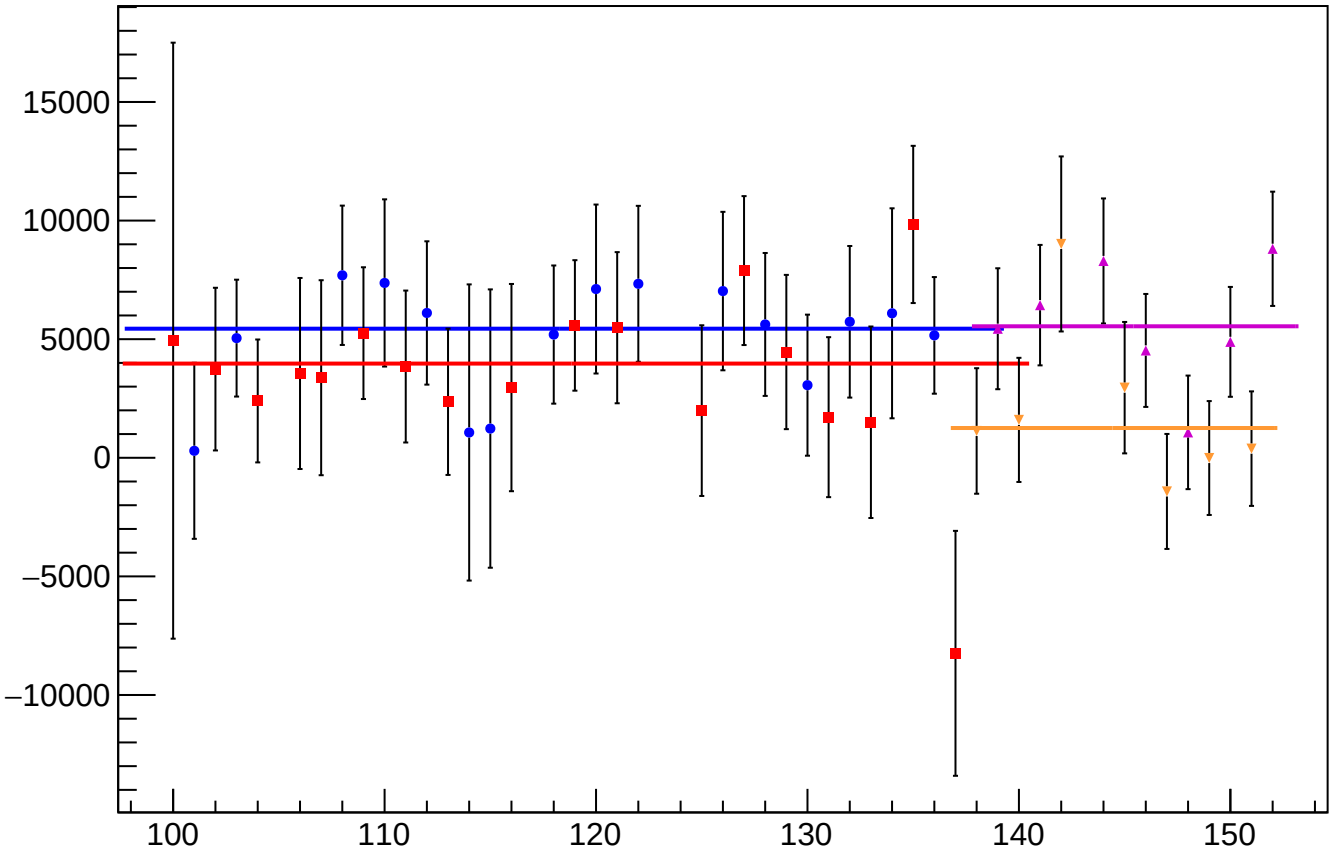
Left: 9211.628+/-1.942 χ^2/NDF: 354122.5/13

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 8840.067+/-1.738 χ^2/NDF:714179.2/22

Out: 7371.274+/-1.583 χ^2/NDF:3230571.0/24

All: 8037.096+/-1.170 χ^2/NDF: 4335137.0/47



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: 5543.531+/-927.458 χ^2/NDF:6.8/6

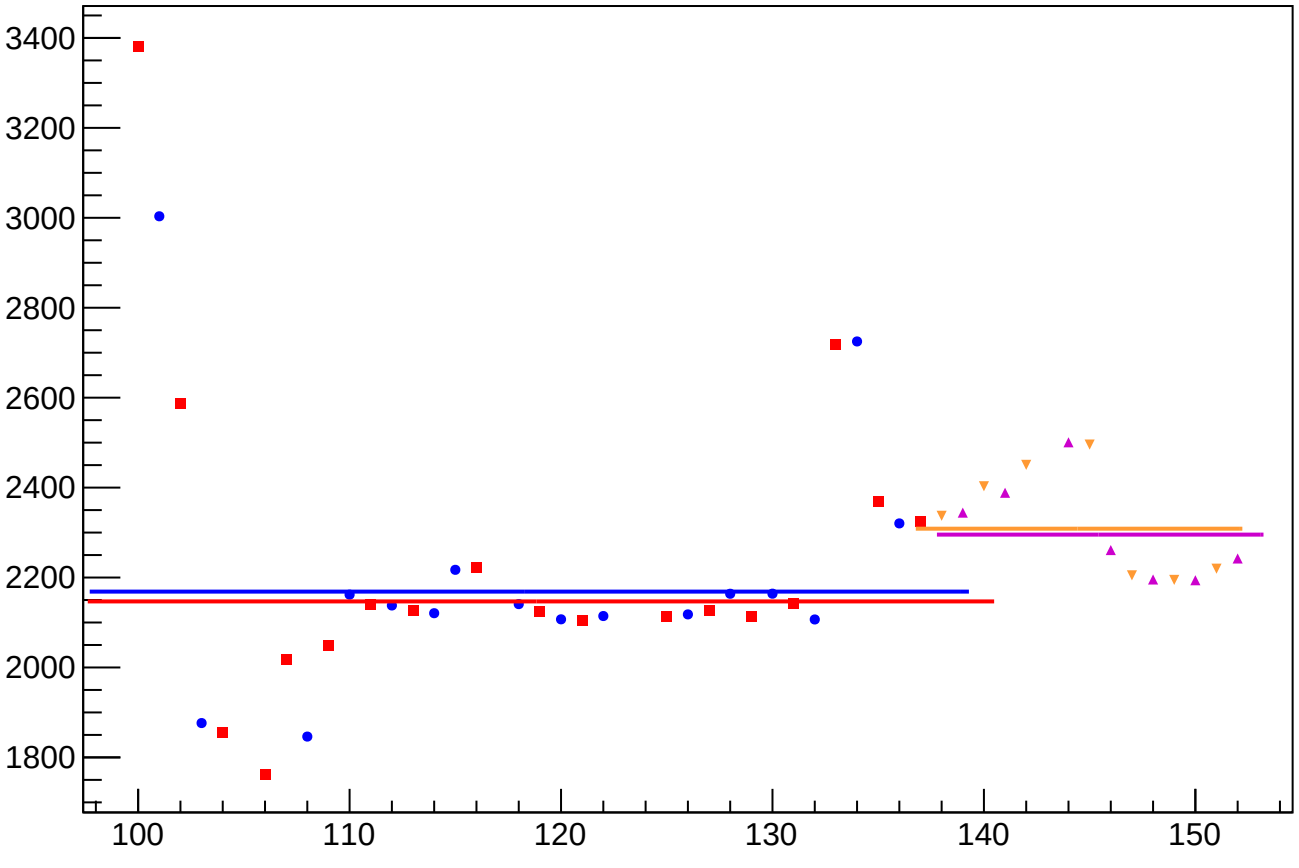
Left: 3552.129+/-678.772 χ^2/NDF: 23.2/13

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5486.359+/-611.165 χ^2/NDF:12.2/22

Out: 2891.805+/-627.981 χ^2/NDF:23.9/24

All: 4224.286+/-437.983 χ^2/NDF: 44.8/47



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: 2295.453+/-0.656 χ^2/NDF:24257.8/6

Left: 2301.574+/-0.480 χ^2/NDF: 50241.9/13

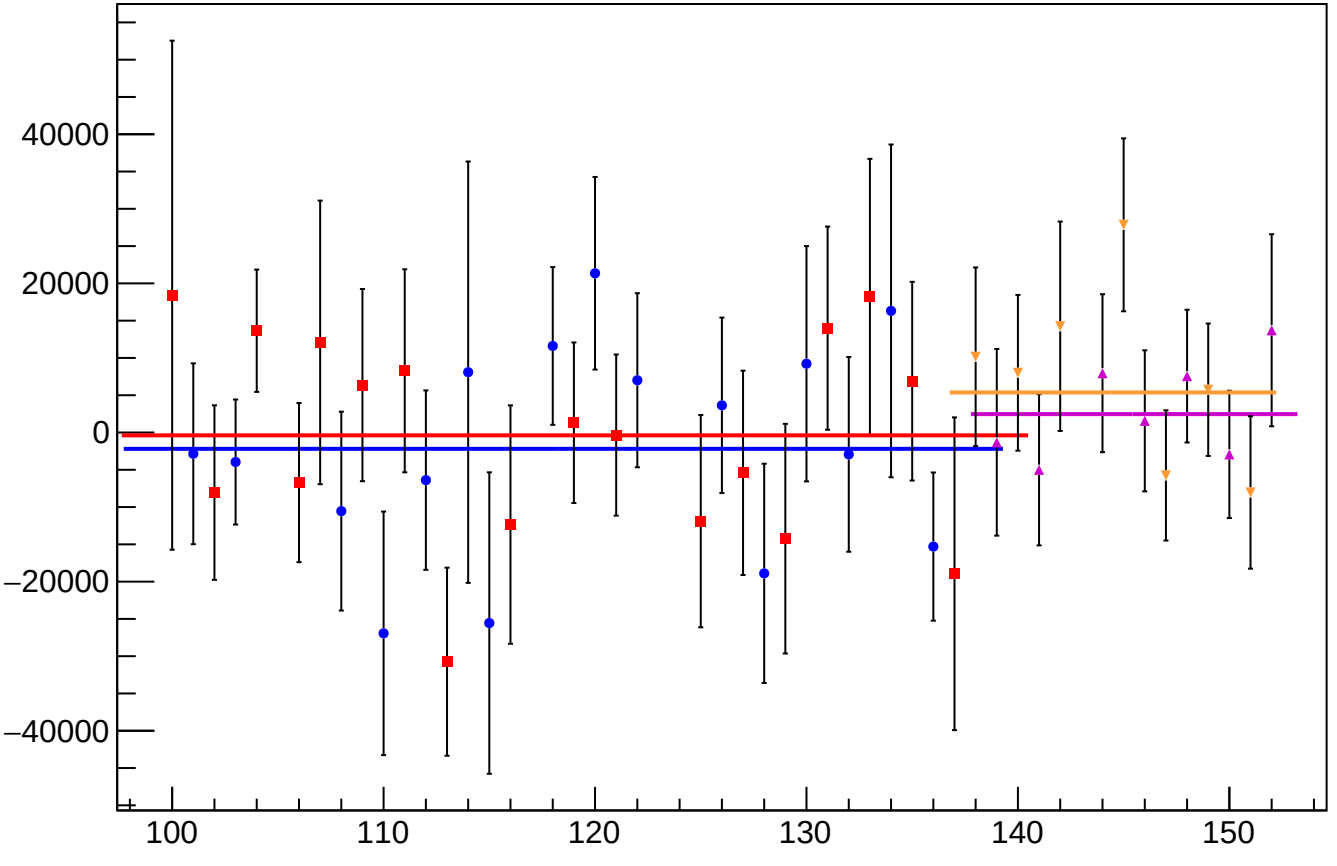
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2223.750+/-0.432 χ^2/NDF:241047.2/22

Out: 2210.794+/-0.443 χ^2/NDF:215448.4/24

All: 2217.428+/-0.309 χ^2/NDF: 456934.2/47

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: 2466.425+/-3818.566 χ^2/NDF:2.4/6

Left: 3869.366+/-2746.488 χ^2/NDF: 10.4/13

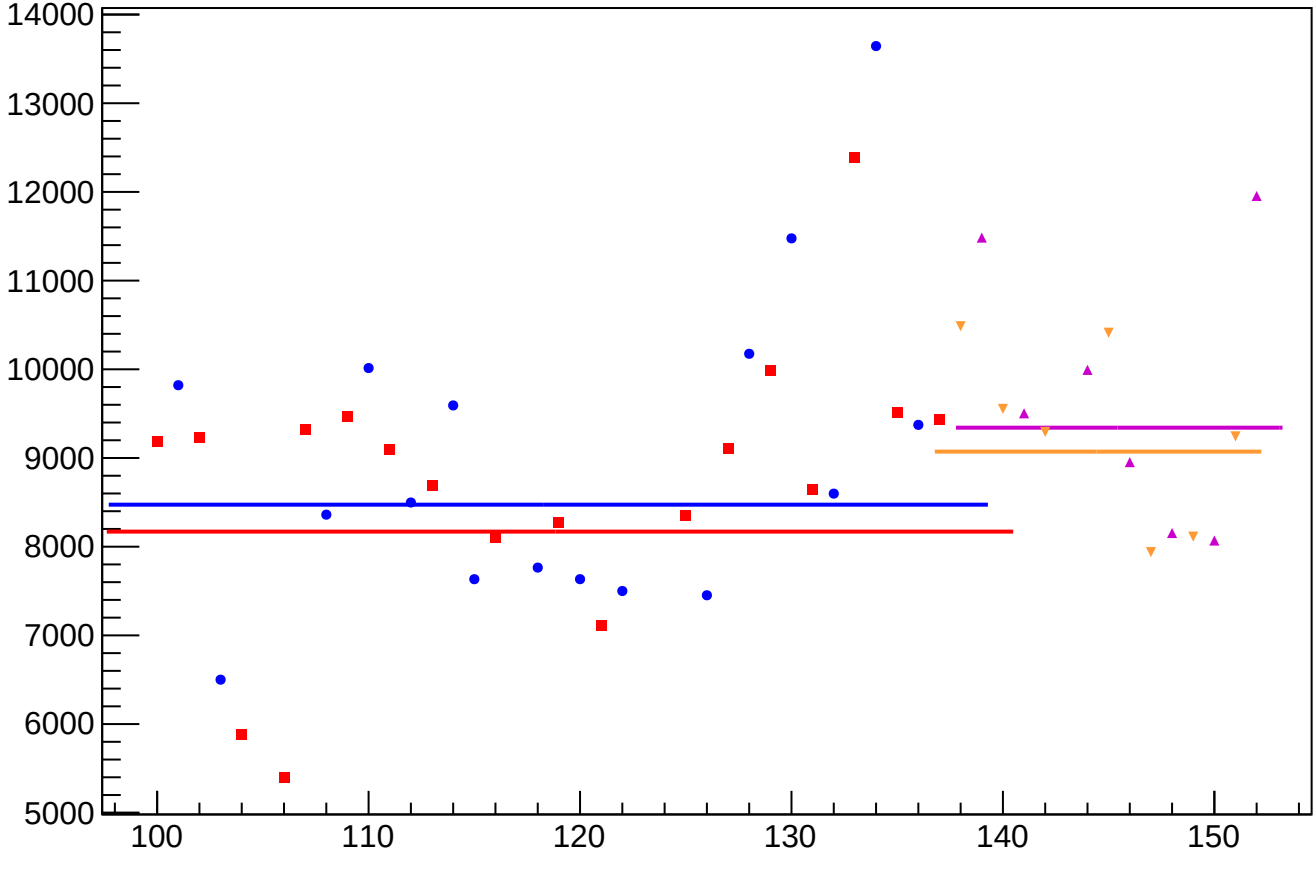
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -262.566+/-2456.488 χ^2/NDF:17.7/22

Out: 1811.052+/-2439.381 χ^2/NDF:25.3/24

All: 781.489+/-1730.919 χ^2/NDF: 43.4/47

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: 9341.867+/-2.700 χ^2/NDF:232498.6/6

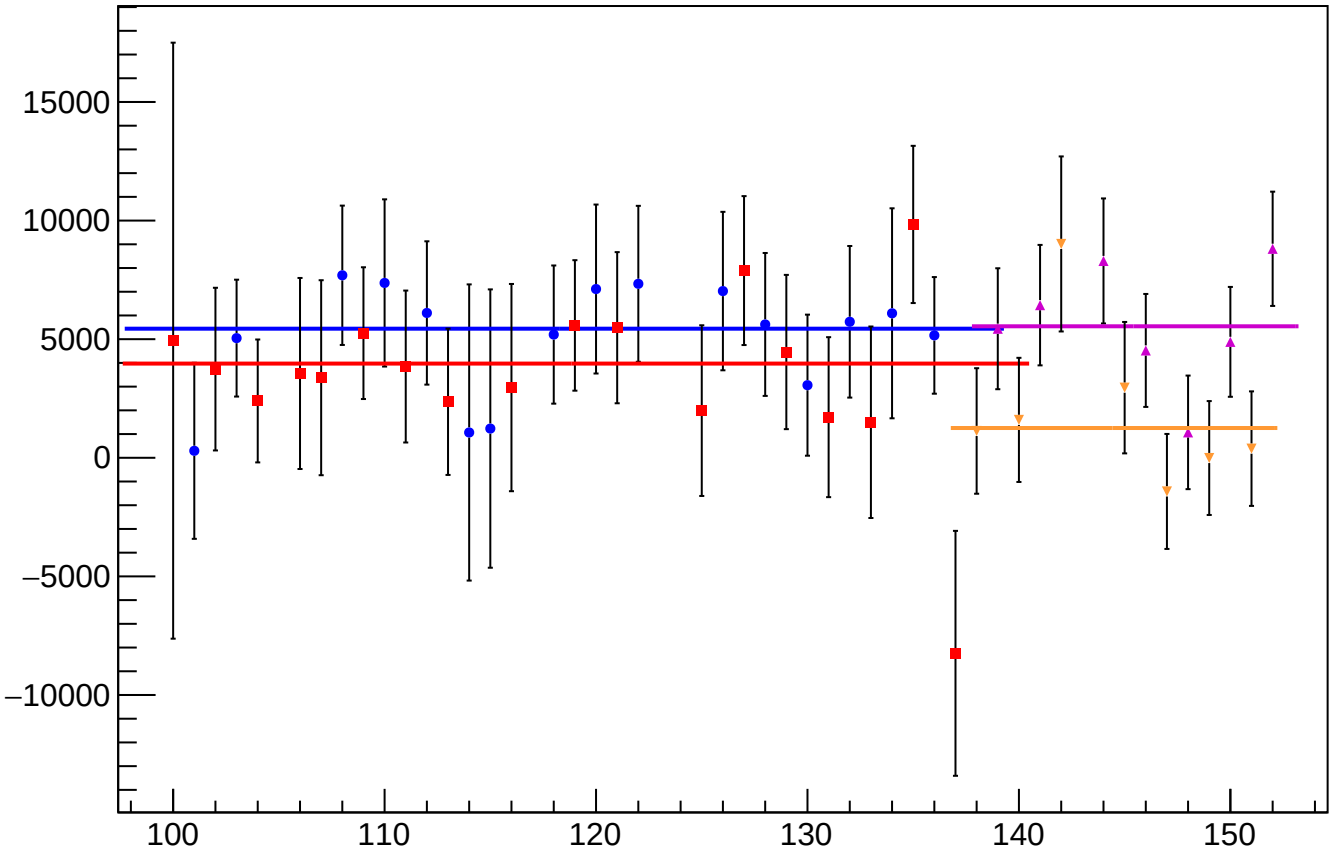
Left: 9211.619+/-1.942 χ^2/NDF: 354125.4/13

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8833.004+/-1.737 χ^2/NDF:722637.4/22

Out: 8513.486+/-1.725 χ^2/NDF:721208.3/24

All: 8672.129+/-1.224 χ^2/NDF: 1460882.4/47



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: 5543.531+/-927.458 χ^2/NDF:6.8/6

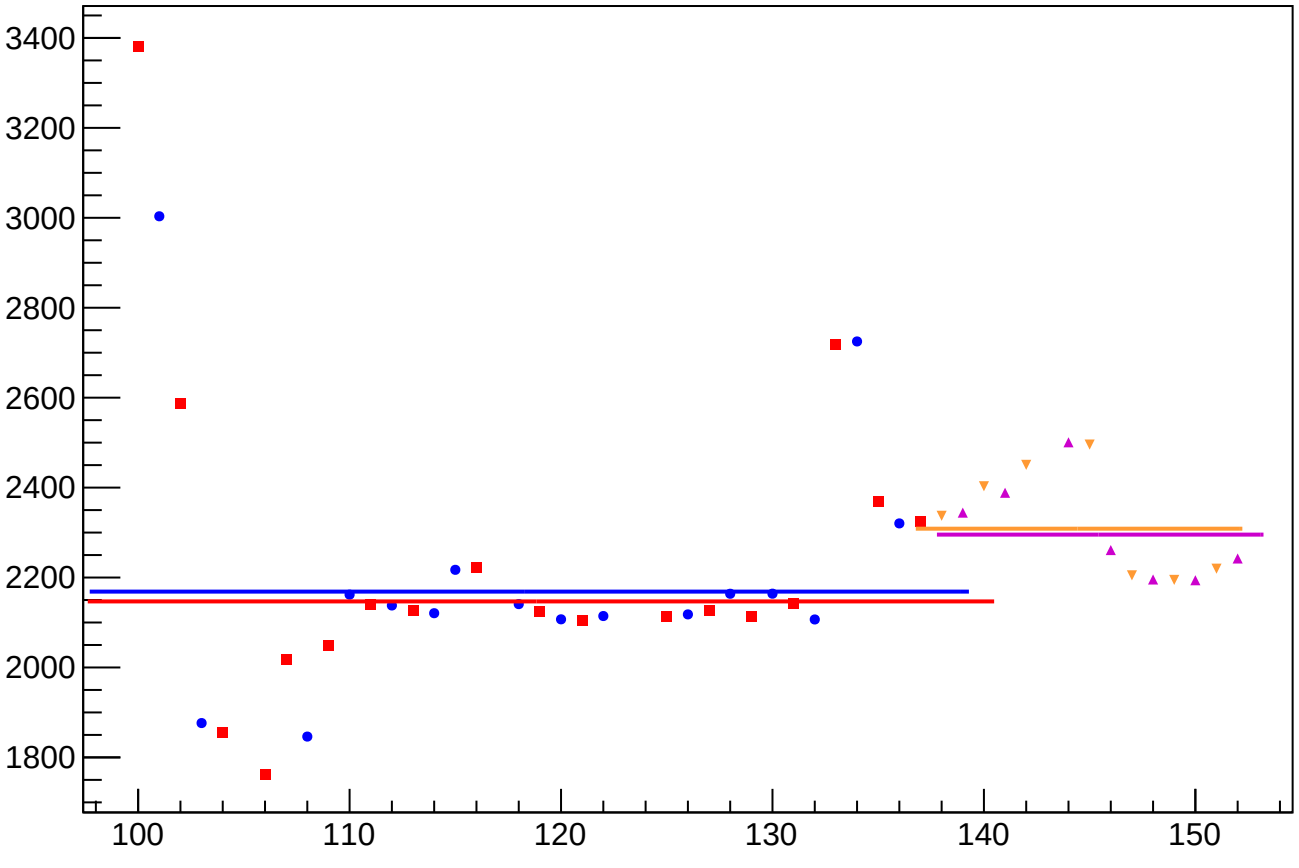
Left: 3552.129+/-678.772 χ^2/NDF: 23.2/13

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5486.359+/-611.165 χ^2/NDF:12.2/22

Out: 2891.805+/-627.981 χ^2/NDF:23.9/24

All: 4224.286+/-437.983 χ^2/NDF: 44.8/47



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: 2295.453+/-0.656 χ^2/NDF:24257.8/6

Left: 2301.574+/-0.480 χ^2/NDF: 50241.9/13

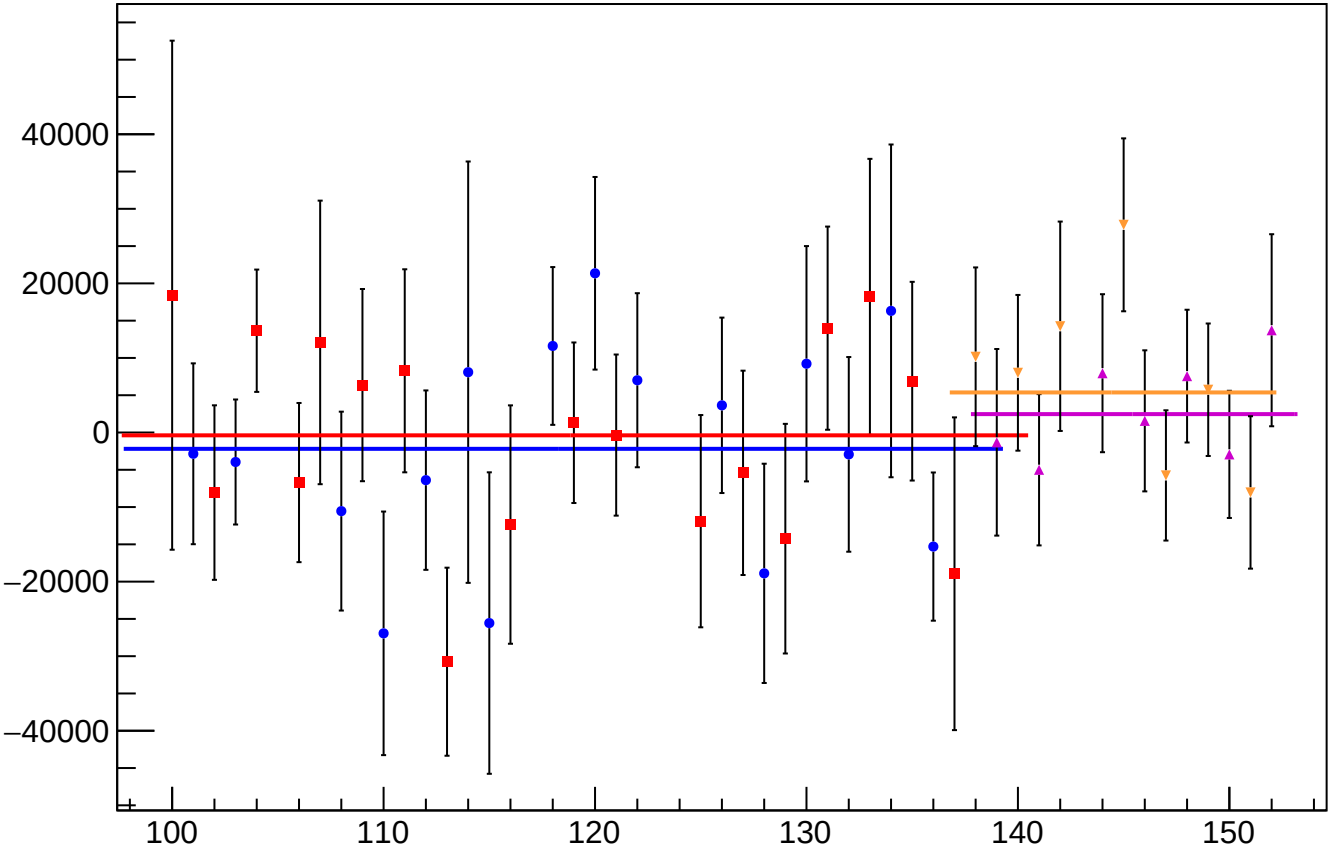
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2223.750+/-0.432 χ^2/NDF:241047.2/22

Out: 2210.794+/-0.443 χ^2/NDF:215448.4/24

All: 2217.428+/-0.309 χ^2/NDF: 456934.2/47

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: 2466.425+/-3818.566 χ^2/NDF:2.4/6

Left: 3869.366+/-2746.488 χ^2/NDF: 10.4/13

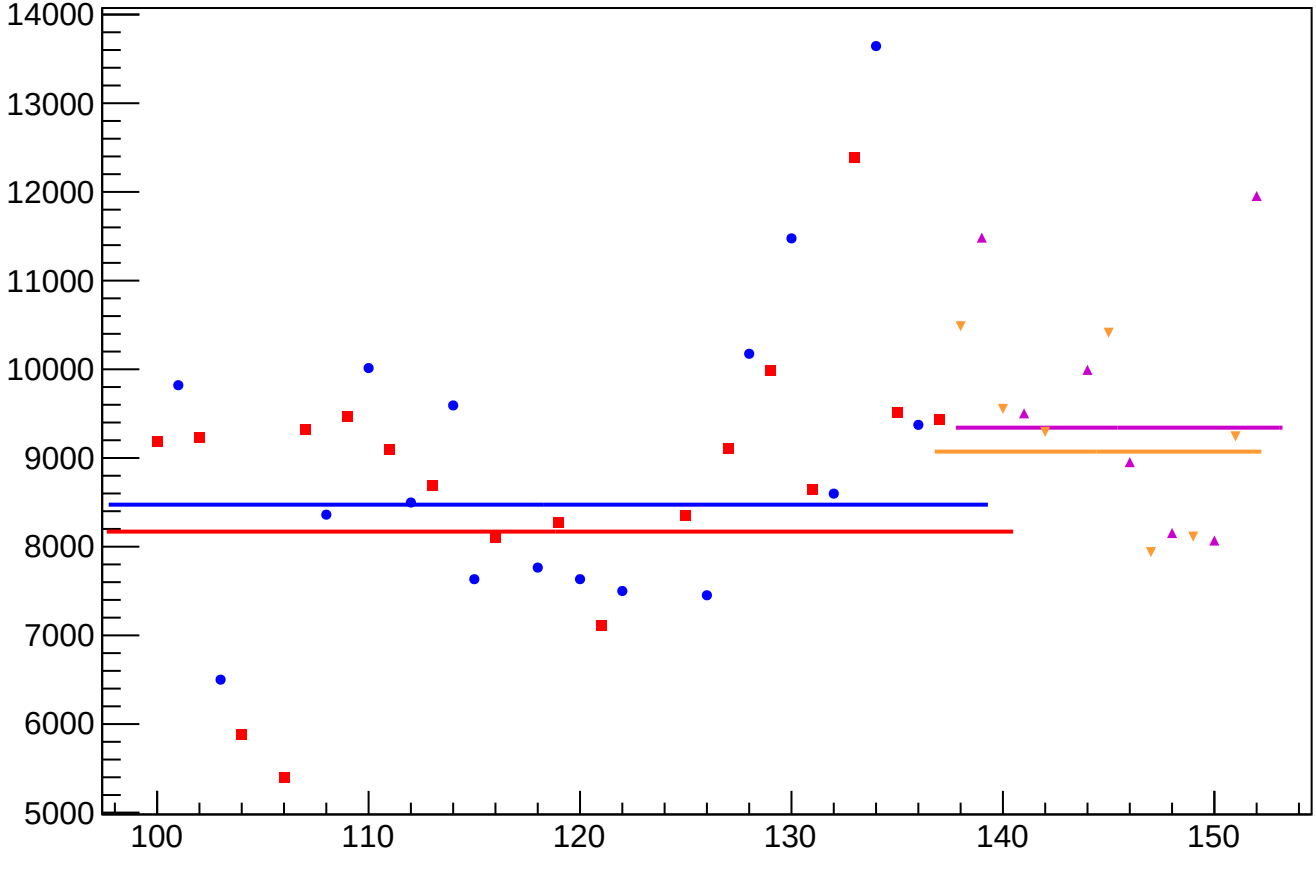
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -262.566+/-2456.488 χ^2/NDF:17.7/22

Out: 1811.052+/-2439.381 χ^2/NDF:25.3/24

All: 781.489+/-1730.919 χ^2/NDF: 43.4/47

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: 9341.867+/-2.700 χ^2/NDF:232498.6/6

Left: 9211.619+/-1.942 χ^2/NDF: 354125.4/13

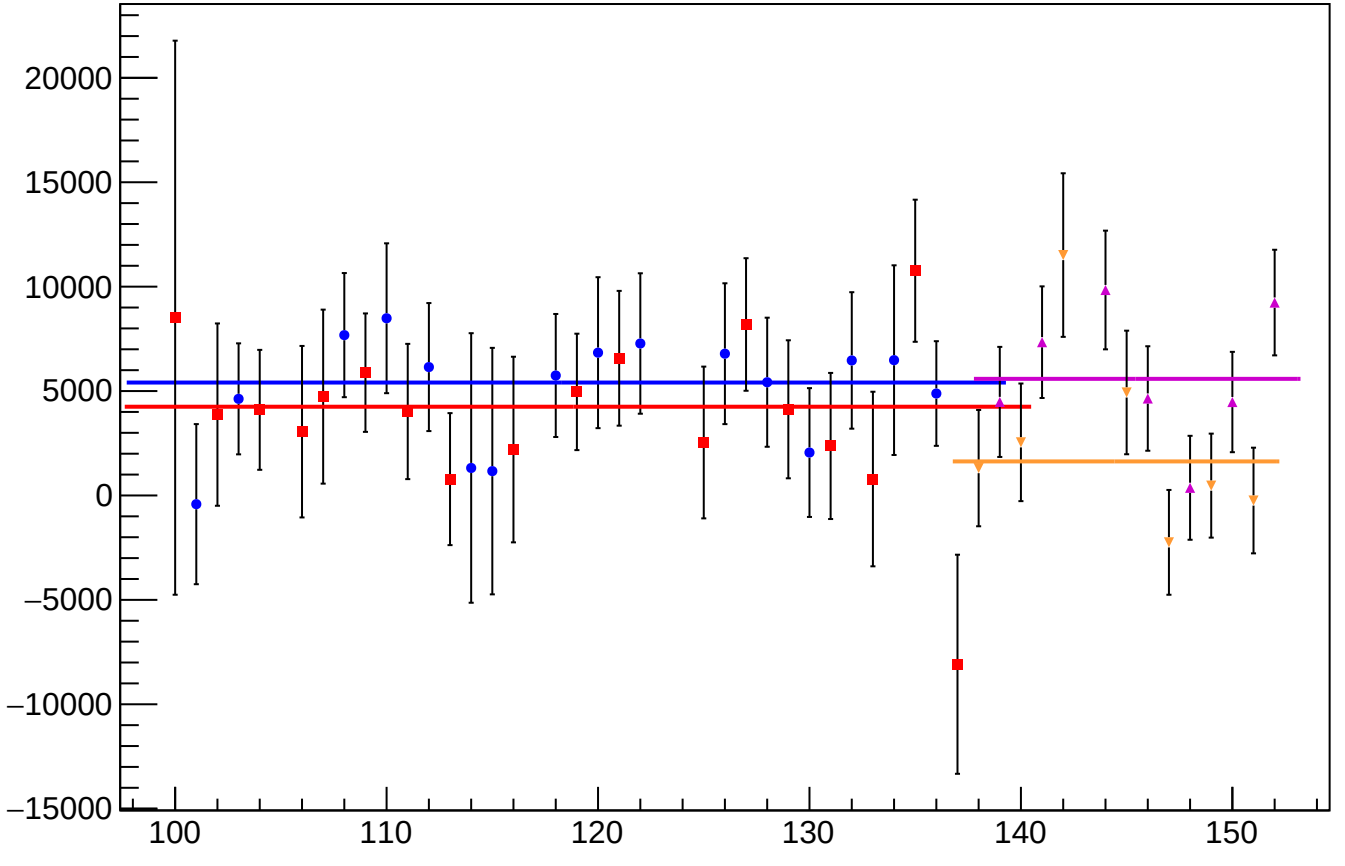
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8833.004+/-1.737 χ^2/NDF:722637.4/22

Out: 8513.486+/-1.725 χ^2/NDF:721208.3/24

All: 8672.129+/-1.224 χ^2/NDF: 1460882.4/47

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1630.588+/-1047.945 χ^2/NDF:10.9/6

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5584.789+/-972.027 χ^2/NDF:9.7/6

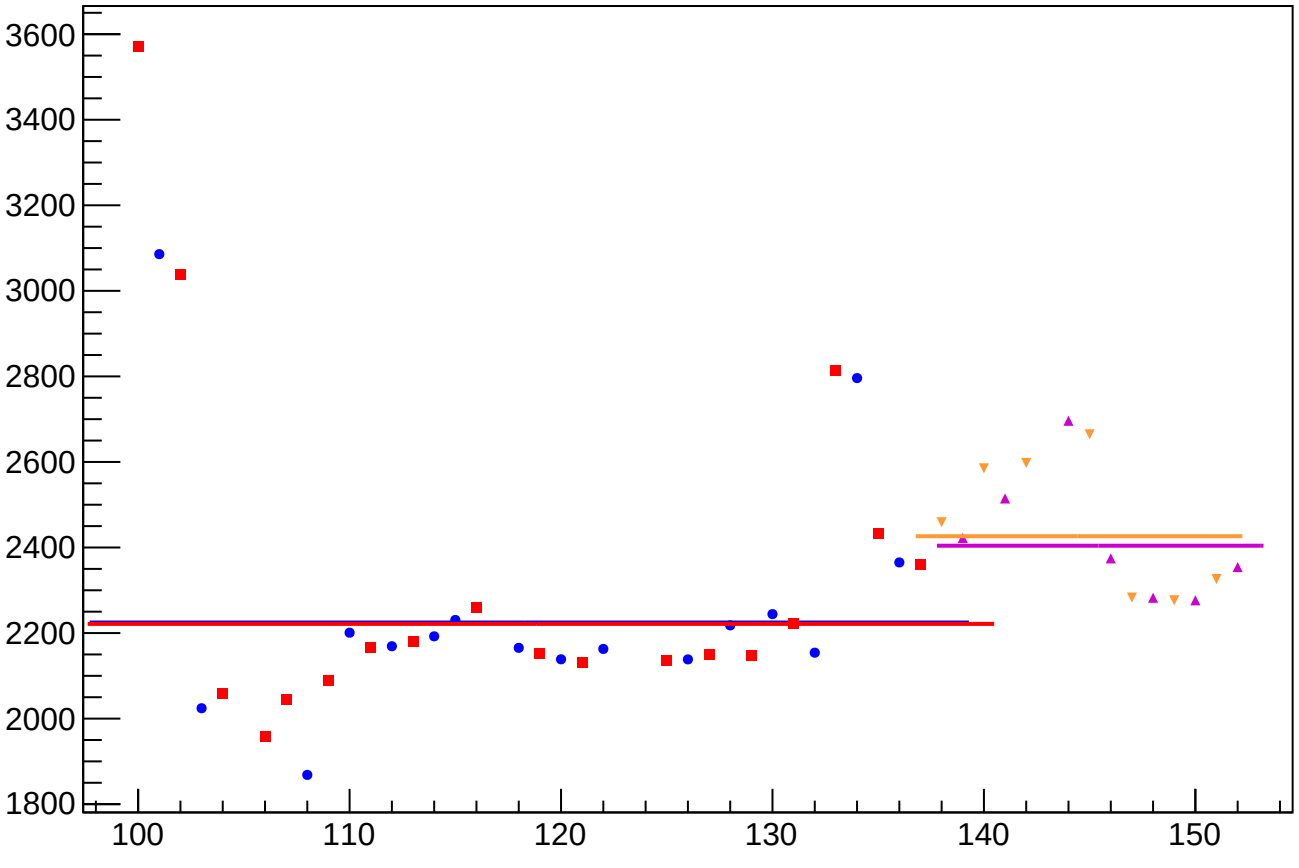
Left: 3756.092+/-712.656 χ^2/NDF: 28.2/13

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5482.853+/-632.815 χ^2/NDF:16.4/22

Out: 3226.272+/-655.112 χ^2/NDF:29.2/24

All: 4393.617+/-455.146 χ^2/NDF: 51.7/47



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: 2404.187+/-0.687 χ^2/NDF:36120.0/6

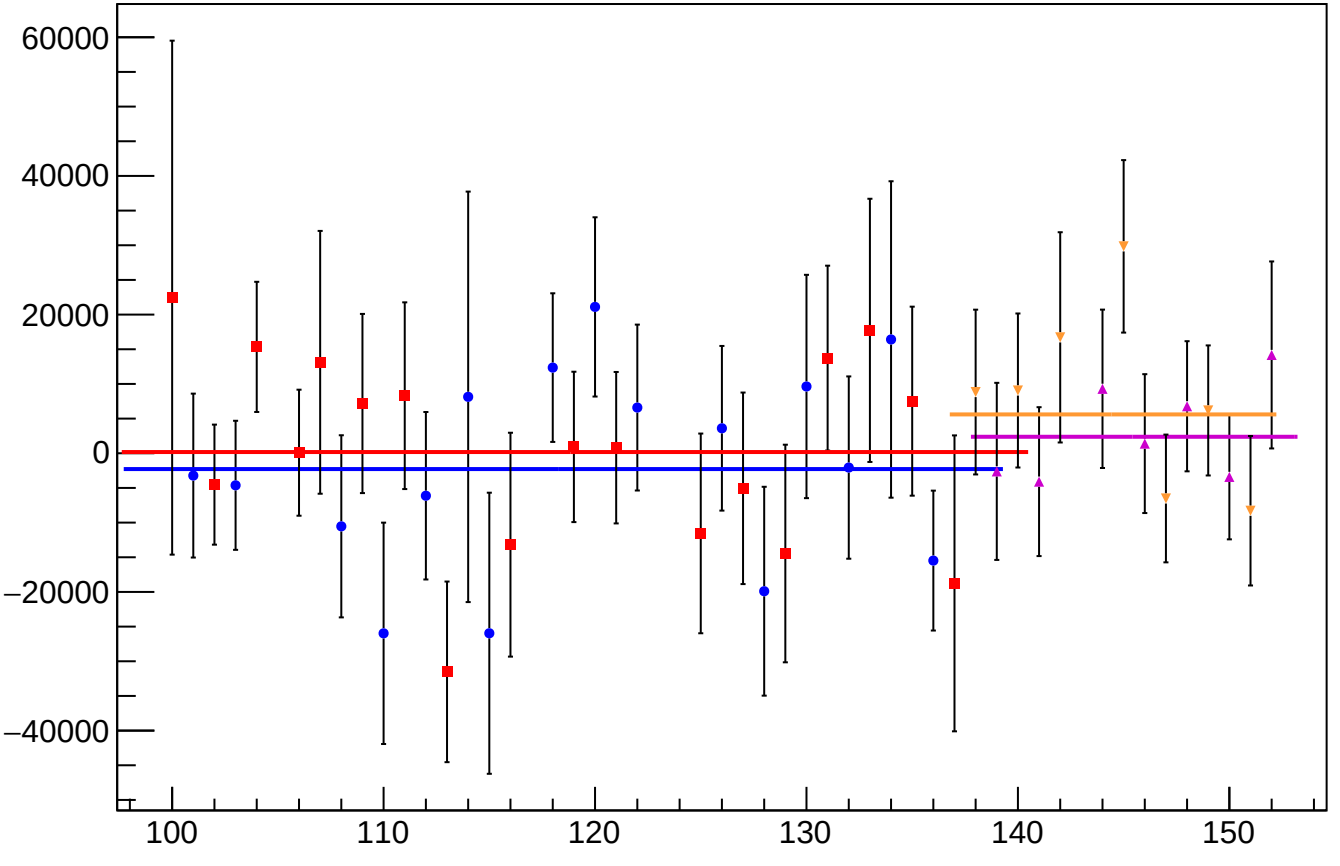
Left: 2414.445+/-0.504 χ^2/NDF: 76910.6/13

Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2300.724+/-0.447 χ^2/NDF:260128.1/22

Out: 2301.456+/-0.463 χ^2/NDF:256874.6/24

All: 2301.077+/-0.322 χ^2/NDF: 517004.0/47



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: 2379.124+/-4028.512 χ^2/NDF:2.3/6

Left: 3938.892+/-2894.327 χ^2/NDF: 10.5/13

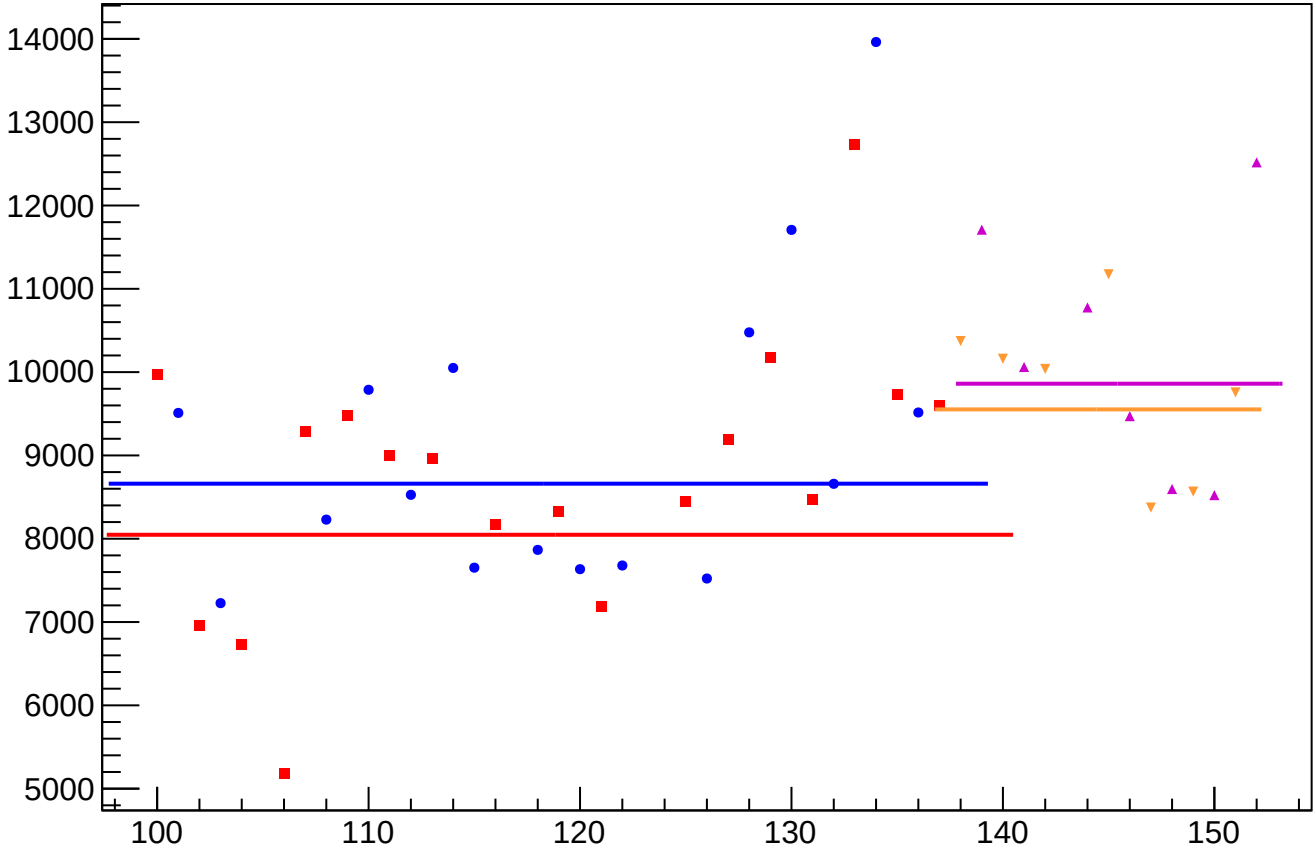
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -427.339+/-2539.688 χ^2/NDF:17.6/22

Out: 2061.506+/-2452.247 χ^2/NDF:24.7/24

All: 860.665+/-1764.103 χ^2/NDF: 42.7/47

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: 9860.800+/-2.849 χ^2/NDF:216537.2/6

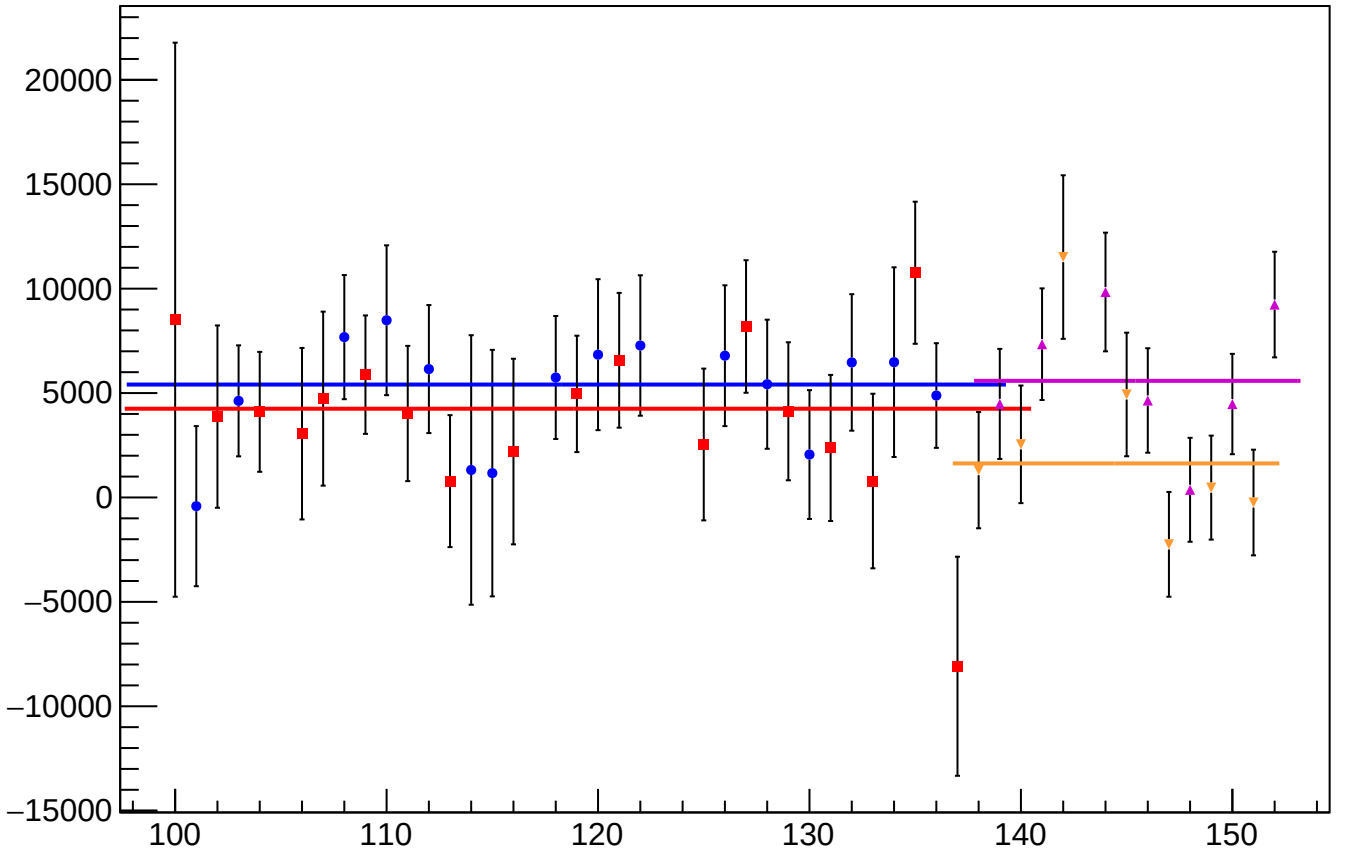
Left: 9711.660+/-2.047 χ^2/NDF: 329353.1/13

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9137.687+/-1.796 χ^2/NDF:681442.2/22

Out: 8570.184+/-1.734 χ^2/NDF:836492.4/24

All: 8843.998+/-1.247 χ^2/NDF: 1569614.9/47



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: 5584.787+/-972.028 χ^2/NDF:9.7/6

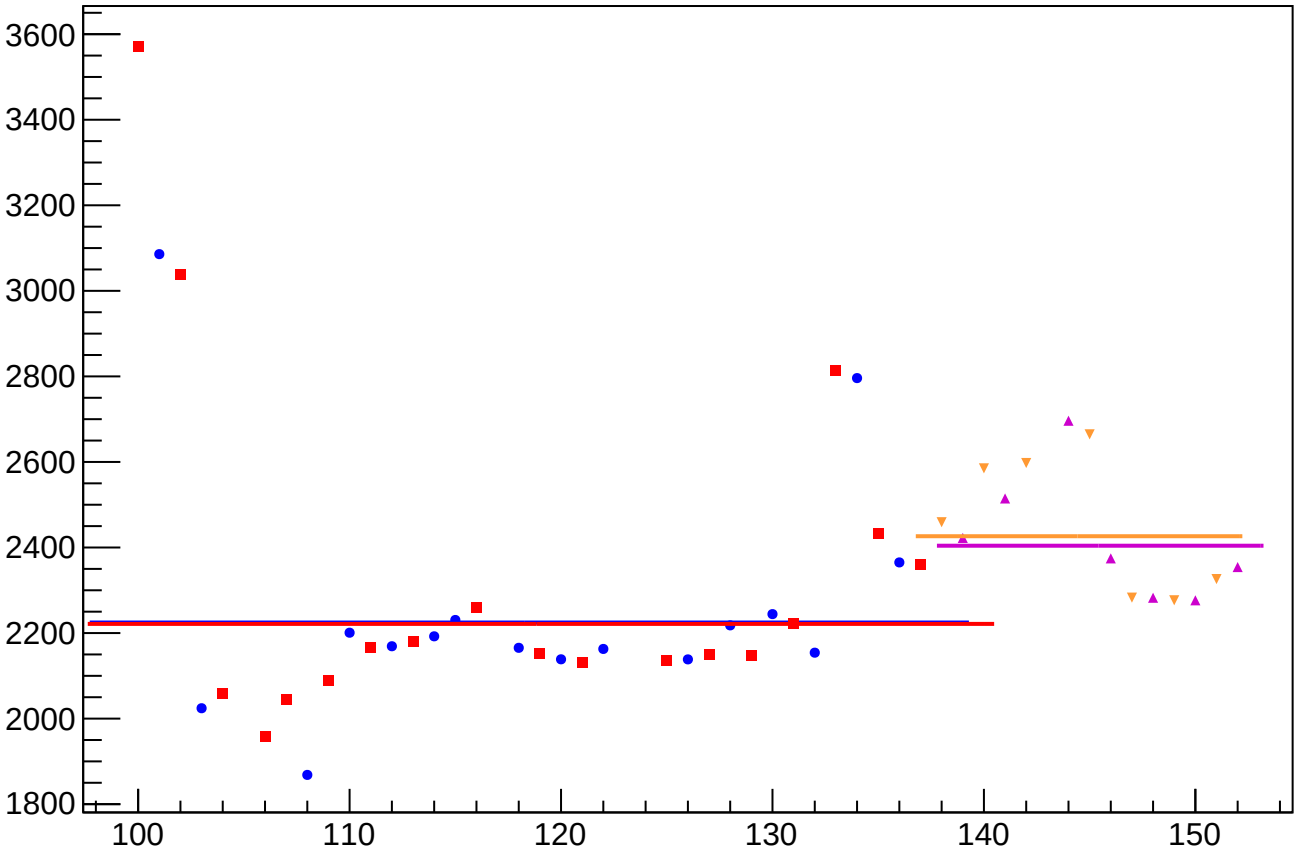
Left: 3756.092+/-712.657 χ^2/NDF: 28.2/13

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5482.853+/-632.816 χ^2/NDF:16.4/22

Out: 3226.278+/-655.112 χ^2/NDF:29.2/24

All: 4393.619+/-455.147 χ^2/NDF: 51.7/47



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: 2404.190+/-0.687 χ^2/NDF:36120.3/6

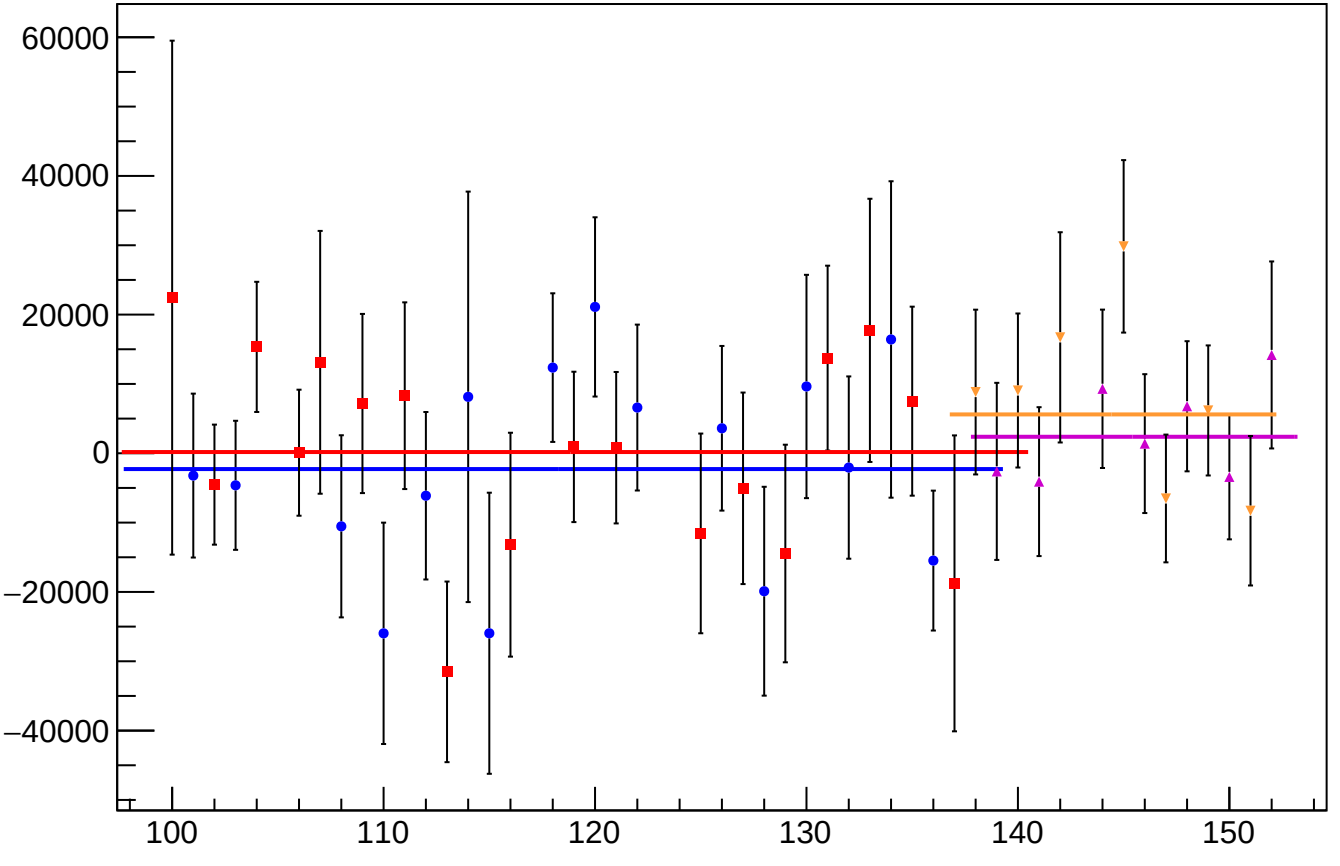
Left: 2414.447+/-0.504 χ^2/NDF: 76911.5/13

Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2300.724+/-0.447 χ^2/NDF:260130.1/22

Out: 2301.457+/-0.463 χ^2/NDF:256876.6/24

All: 2301.078+/-0.322 χ^2/NDF: 517008.0/47



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: 2379.122+/-4028.518 χ^2/NDF:2.3/6

Left: 3938.890+/-2894.331 χ^2/NDF: 10.5/13

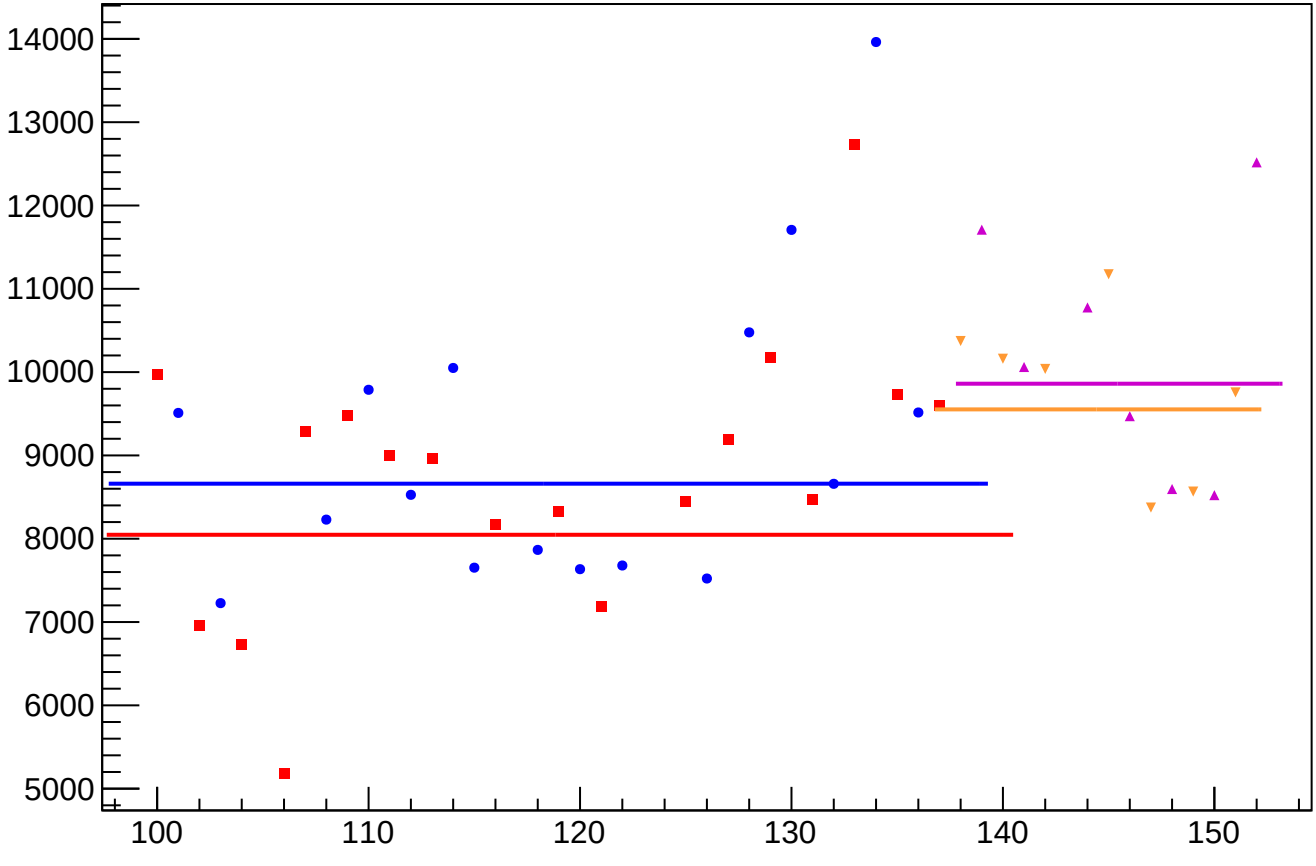
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -427.335+/-2539.685 χ^2/NDF:17.6/22

Out: 2061.499+/-2452.245 χ^2/NDF:24.7/24

All: 860.664+/-1764.102 χ^2/NDF: 42.7/47

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: 9860.813+/-2.849 χ^2/NDF:216537.9/6

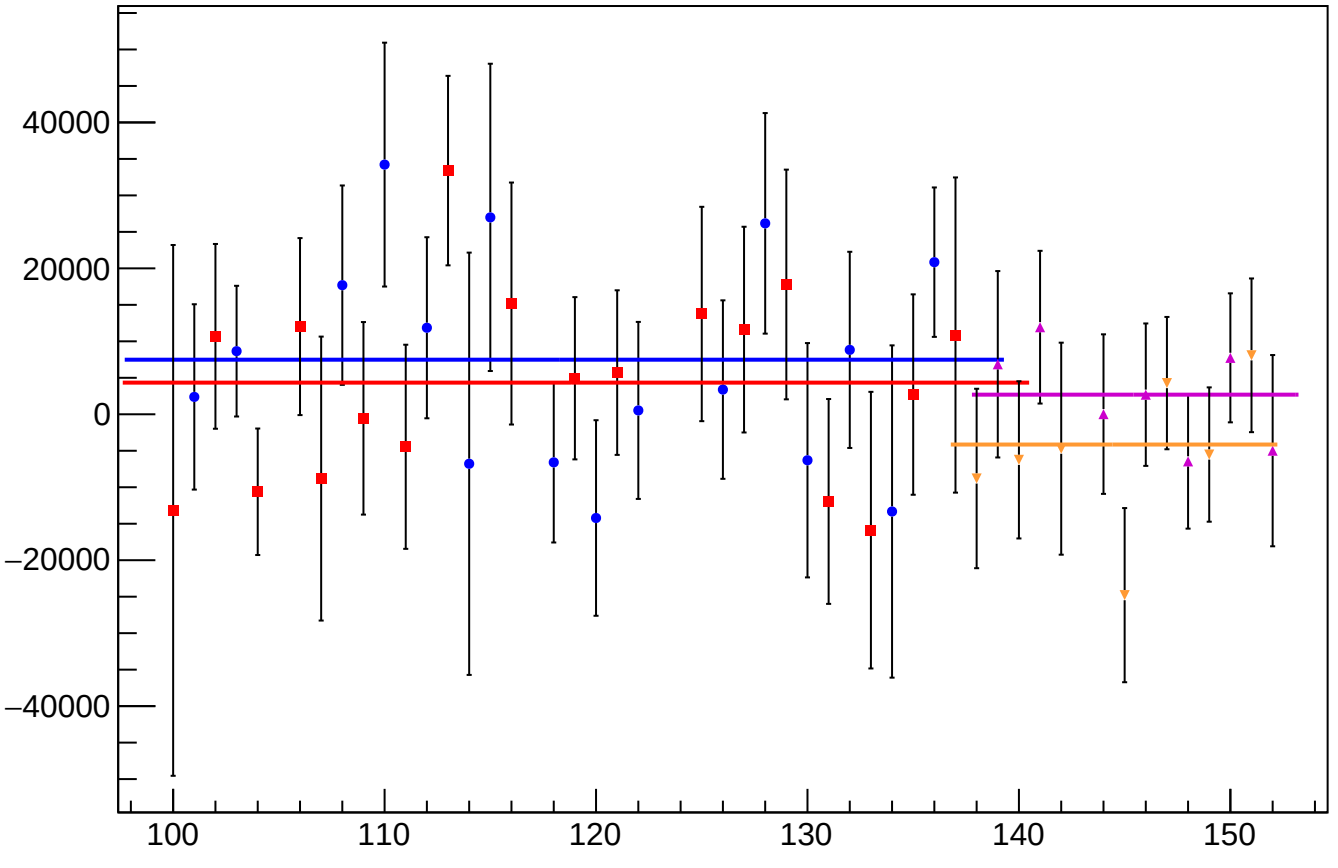
Left: 9711.673+/-2.047 χ^2/NDF: 329354.9/13

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9137.677+/-1.796 χ^2/NDF:681451.2/22

Out: 8570.174+/-1.734 χ^2/NDF:836498.6/24

All: 8843.988+/-1.247 χ^2/NDF: 1569630.3/47



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: 2689.737+/-3937.716 χ^2/NDF:2.6/6

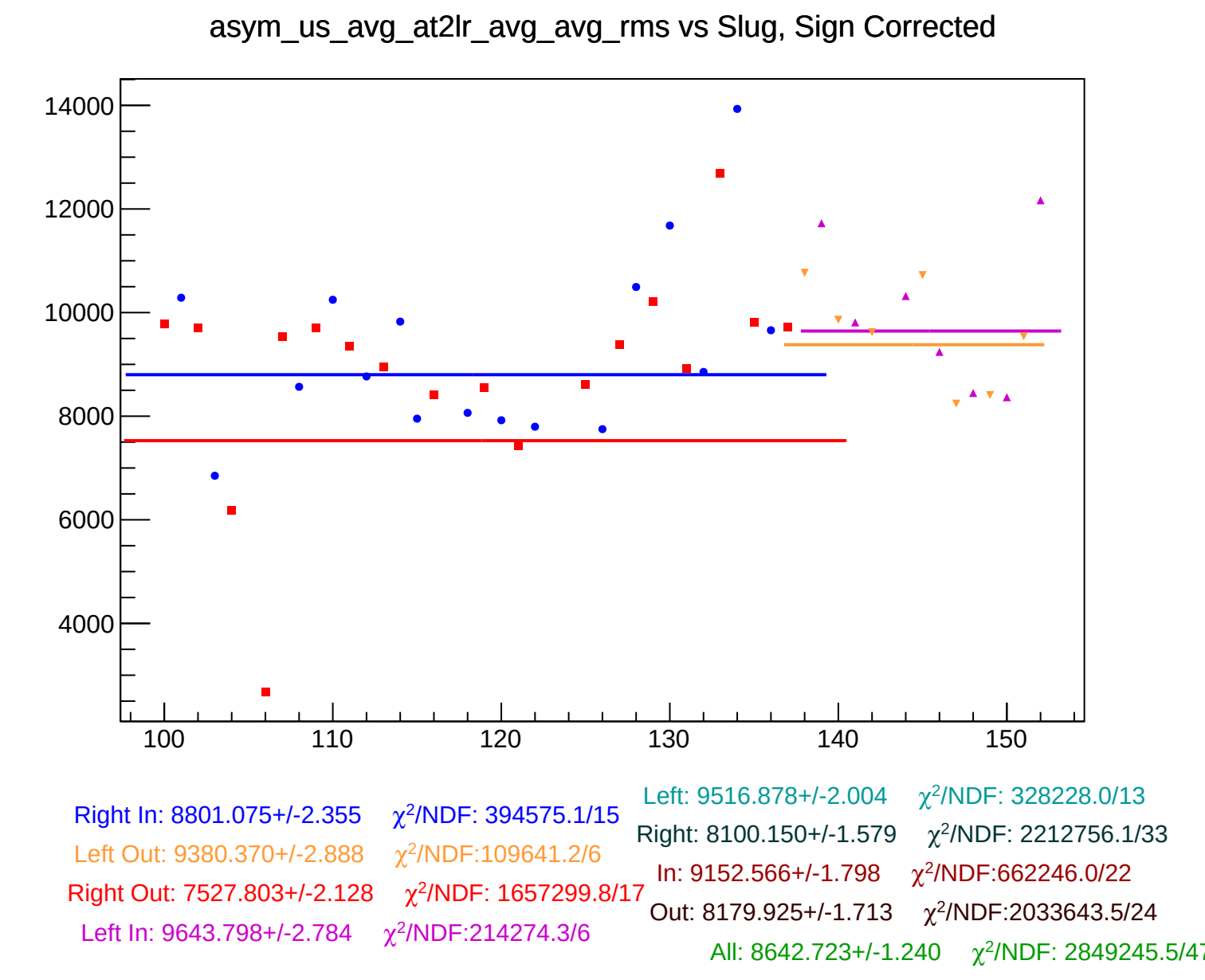
Left: -603.974+/-2834.608 χ^2/NDF: 9.5/13

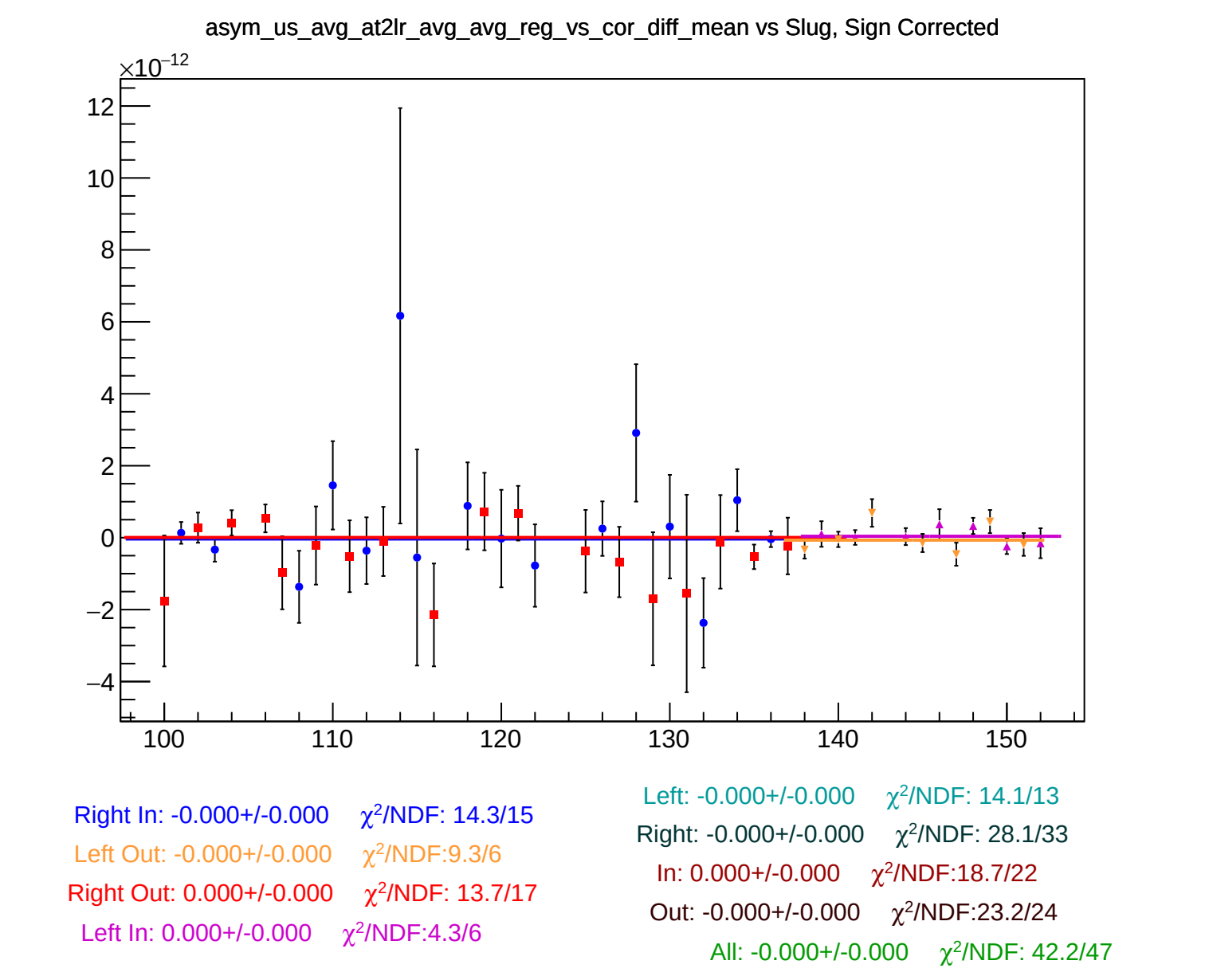
Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

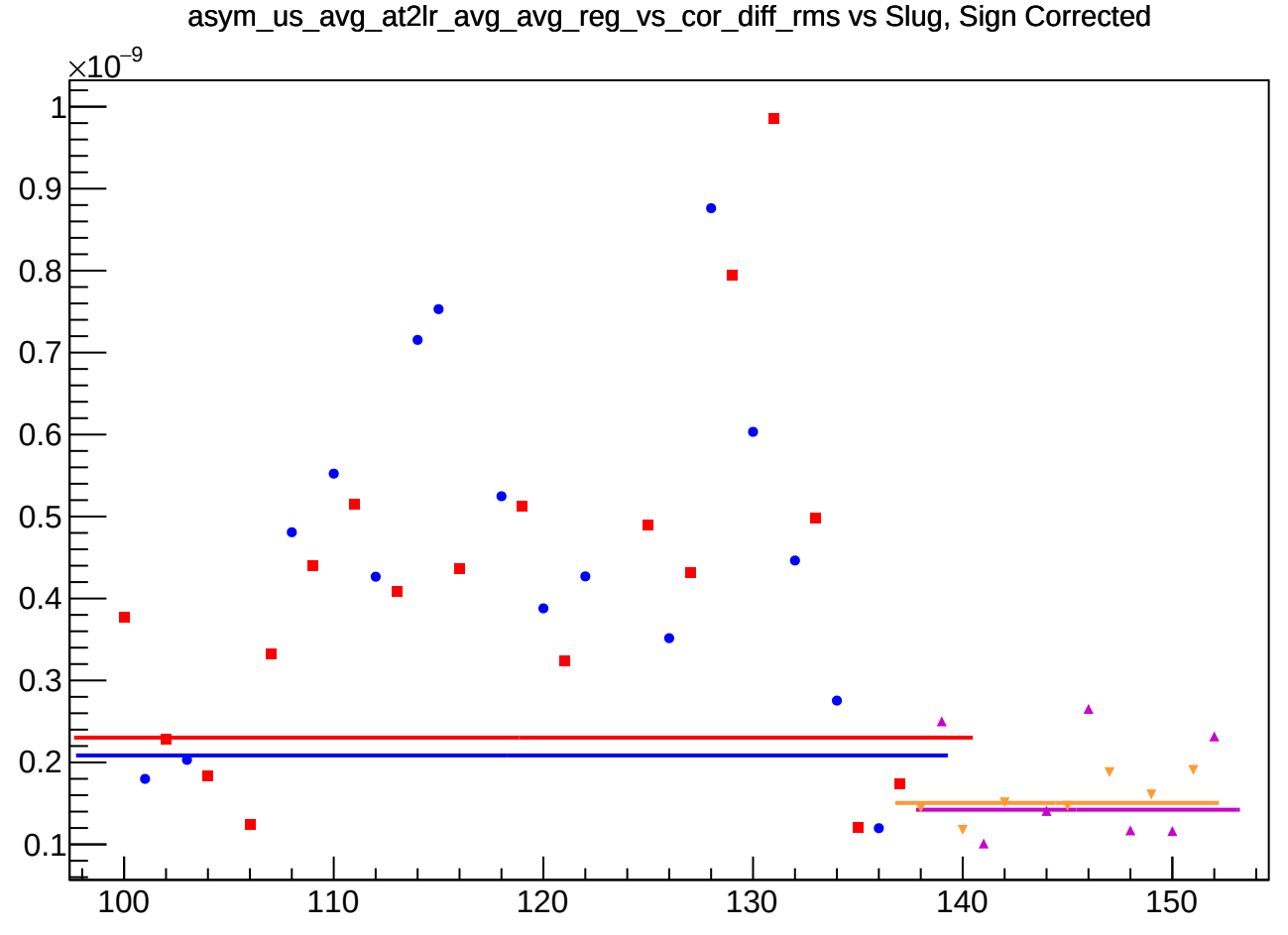
In: 5483.034+/-2543.093 χ^2/NDF:17.5/22

Out: 1057.267+/-2539.440 χ^2/NDF:22.4/24

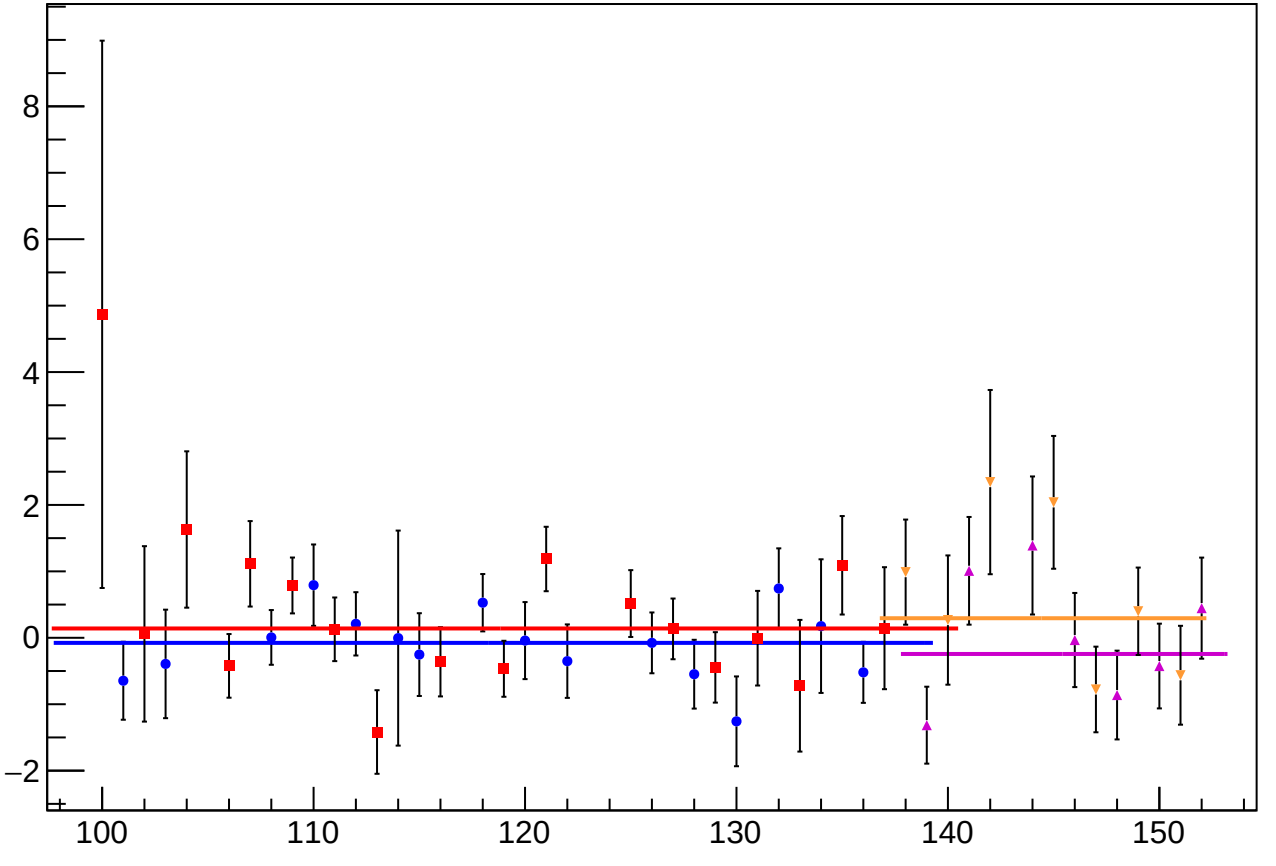
All: 3266.969+/-1796.945 χ^2/NDF: 41.4/47


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: 9643.798+/-2.784 χ²/NDF:214274.3/6
Left: 9516.878+/-2.004 χ²/NDF: 328228.0/13
Right: 8100.150+/-1.579 χ²/NDF: 2212756.1/33
In: 9152.566+/-1.798 χ²/NDF:662246.0/22
Out: 8179.925+/-1.713 χ²/NDF:2033643.5/24
All: 8642.723+/-1.240 χ²/NDF: 2849245.5/47


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:4.3/6
Left: -0.000+/-0.000 χ²/NDF: 14.1/13
Right: -0.000+/-0.000 χ²/NDF: 28.1/33
In: 0.000+/-0.000 χ²/NDF:18.7/22
Out: -0.000+/-0.000 χ²/NDF:23.2/24
All: -0.000+/-0.000 χ²/NDF: 42.2/47


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1632322.4/15
Left Out: 0.000+/-0.000 χ²/NDF:110576.7/6
Right Out: 0.000+/-0.000 χ²/NDF: 1561654.8/17
Left In: 0.000+/-0.000 χ²/NDF:584015.0/6
Left: 0.000+/-0.000 χ²/NDF: 701199.9/13
Right: 0.000+/-0.000 χ²/NDF: 3215206.8/33
In: 0.000+/-0.000 χ²/NDF:2510669.9/22
Out: 0.000+/-0.000 χ²/NDF:2028733.4/24
All: 0.000+/-0.000 χ²/NDF: 4558334.2/47

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: -0.244+/-0.269 χ^2/NDF:10.1/6

Left: -0.009+/-0.202 χ^2/NDF: 22.0/13

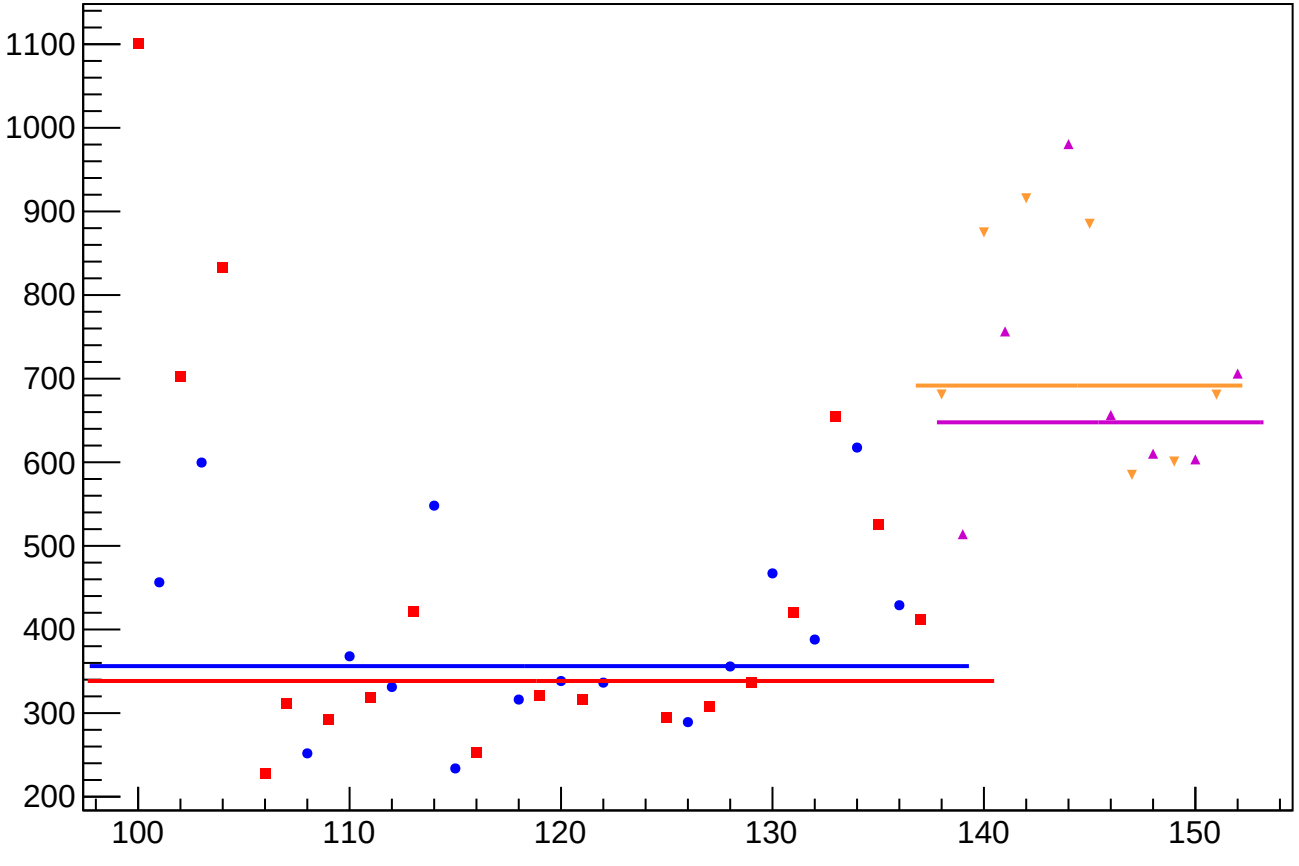
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.112+/-0.124 χ^2/NDF:22.9/22

Out: 0.166+/-0.126 χ^2/NDF:37.3/24

All: 0.025+/-0.088 χ^2/NDF: 62.7/47

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: 647.773+/-0.190 χ^2/NDF:375816.6/6

Left: 666.938+/-0.143 χ^2/NDF: 690939.5/13

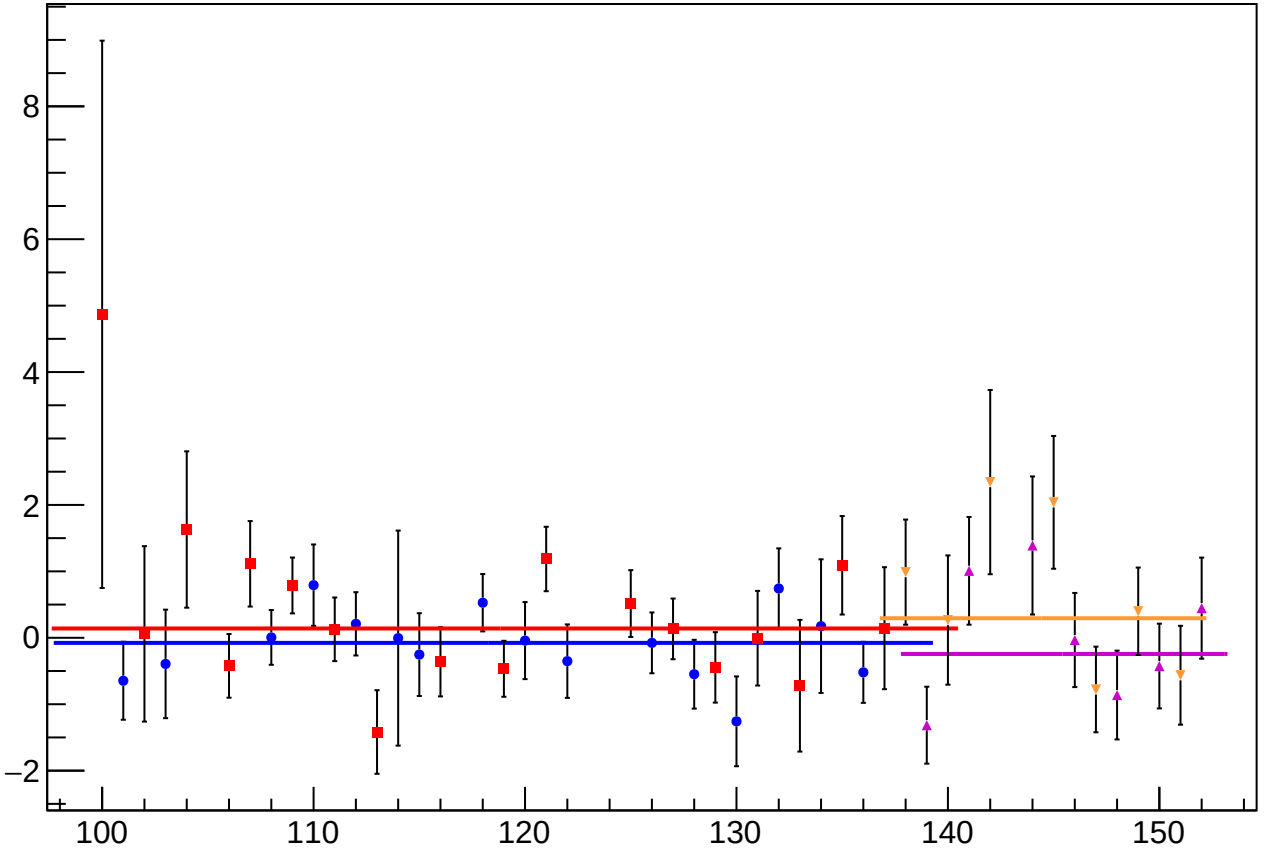
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 418.359+/-0.088 χ^2/NDF:3013309.0/22

Out: 398.184+/-0.089 χ^2/NDF:3714032.0/24

All: 408.406+/-0.062 χ^2/NDF: 6753420.5/47

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: -0.244+/-0.269 χ^2/NDF:10.1/6

Left: -0.009+/-0.202 χ^2/NDF: 22.0/13

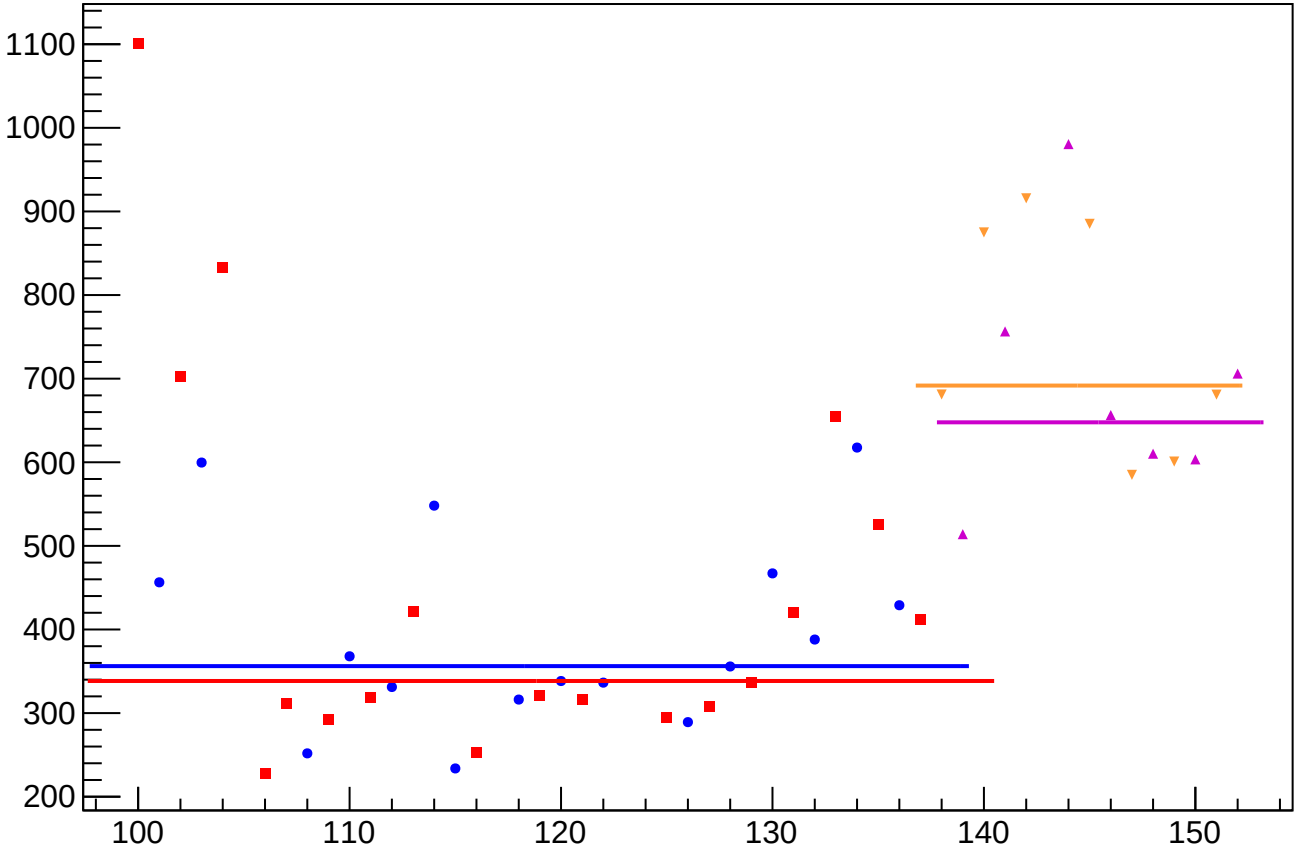
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.112+/-0.124 χ^2/NDF:22.9/22

Out: 0.166+/-0.126 χ^2/NDF:37.3/24

All: 0.025+/-0.088 χ^2/NDF: 62.7/47

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: 647.773+/-0.190 χ^2/NDF:375816.6/6

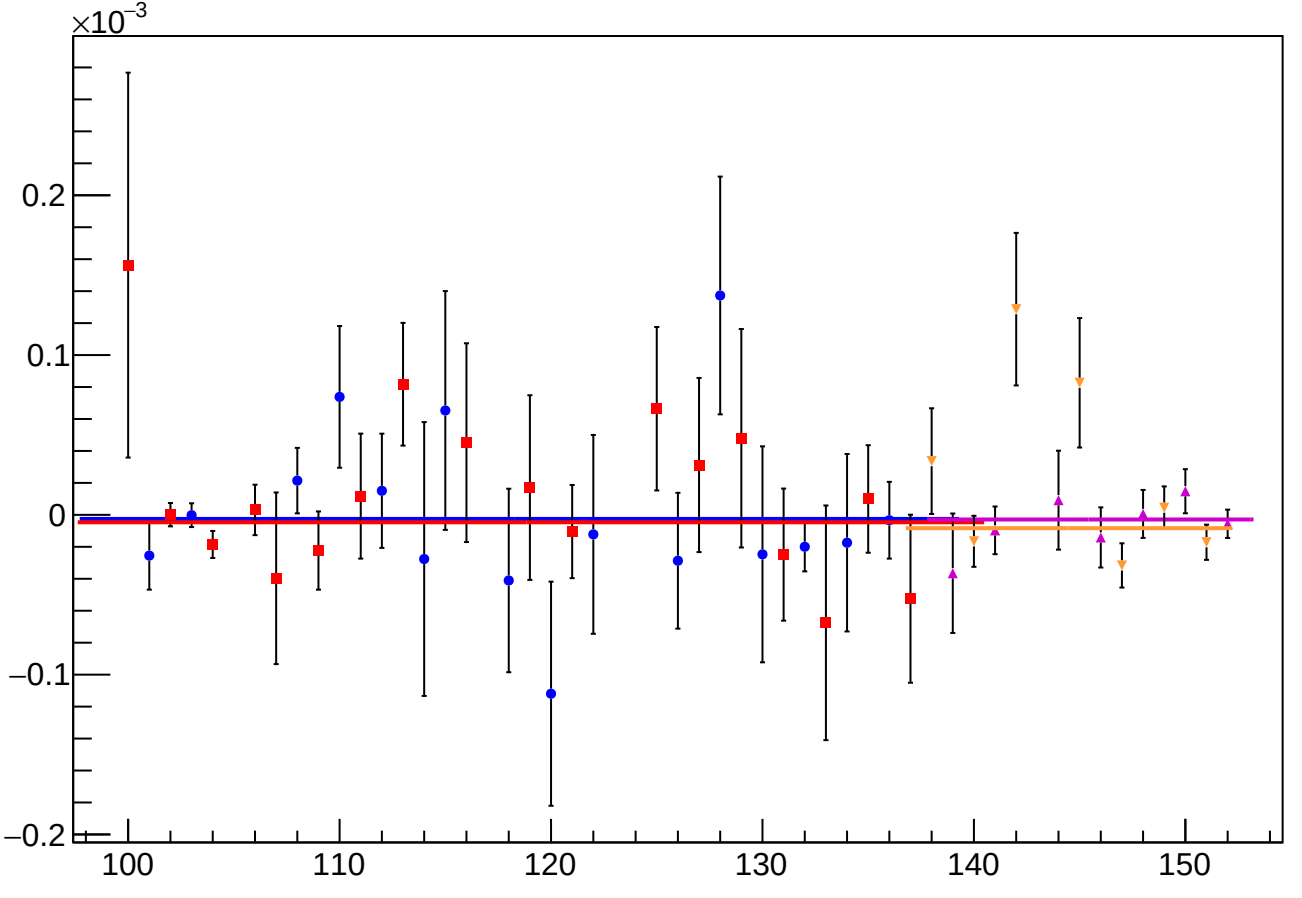
Left: 666.938+/-0.143 χ^2/NDF: 690939.5/13

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 418.359+/-0.088 χ^2/NDF:3013309.0/22

Out: 398.184+/-0.089 χ^2/NDF:3714032.0/24

All: 408.406+/-0.062 χ^2/NDF: 6753420.5/47



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:3.3/6

Left: -0.000+/-0.000 χ^2/NDF: 23.3/13

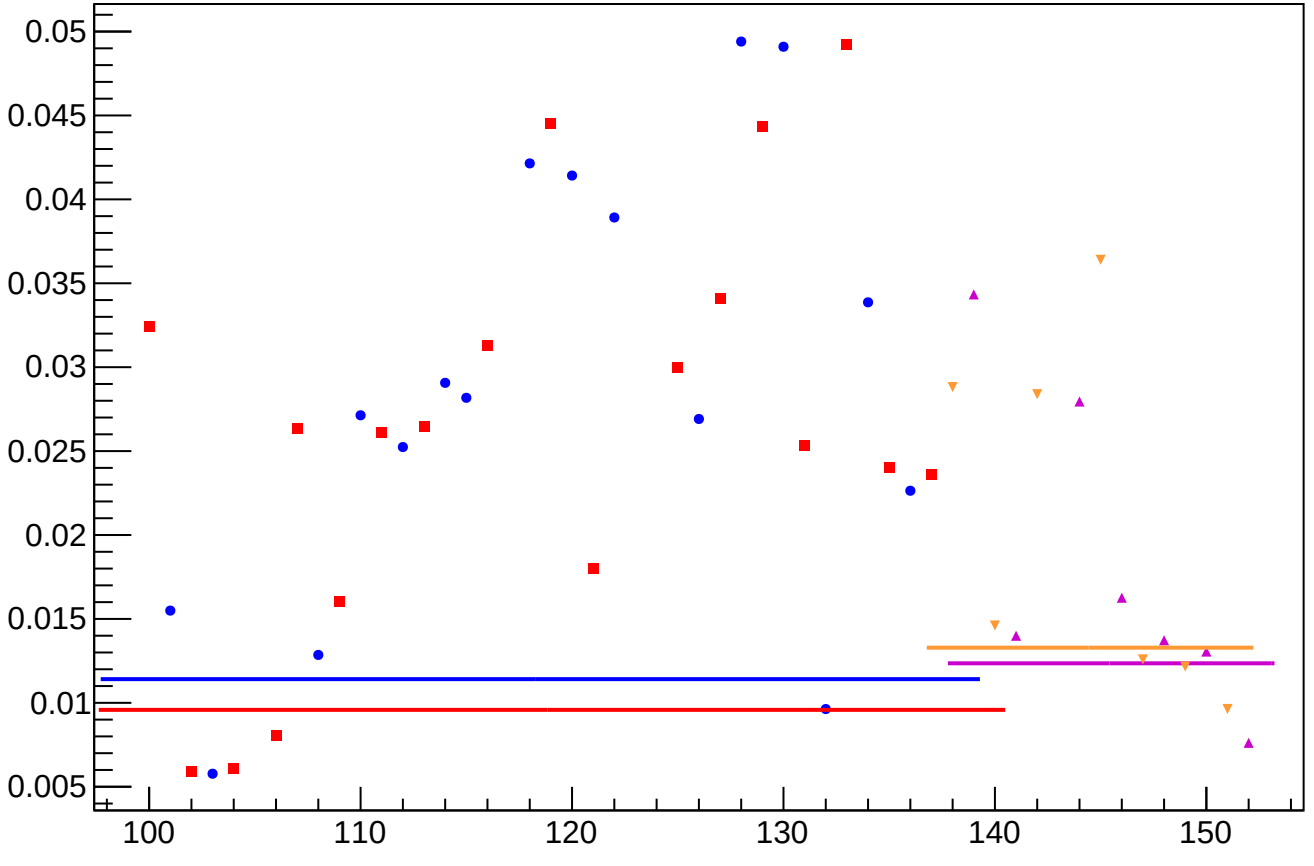
Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:18.3/22

Out: -0.000+/-0.000 χ^2/NDF:36.9/24

All: -0.000+/-0.000 χ^2/NDF: 55.6/47

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: 0.012+/-0.000 χ^2/NDF:1902789.4/6

Left: 0.013+/-0.000 χ^2/NDF: 3471952.4/13

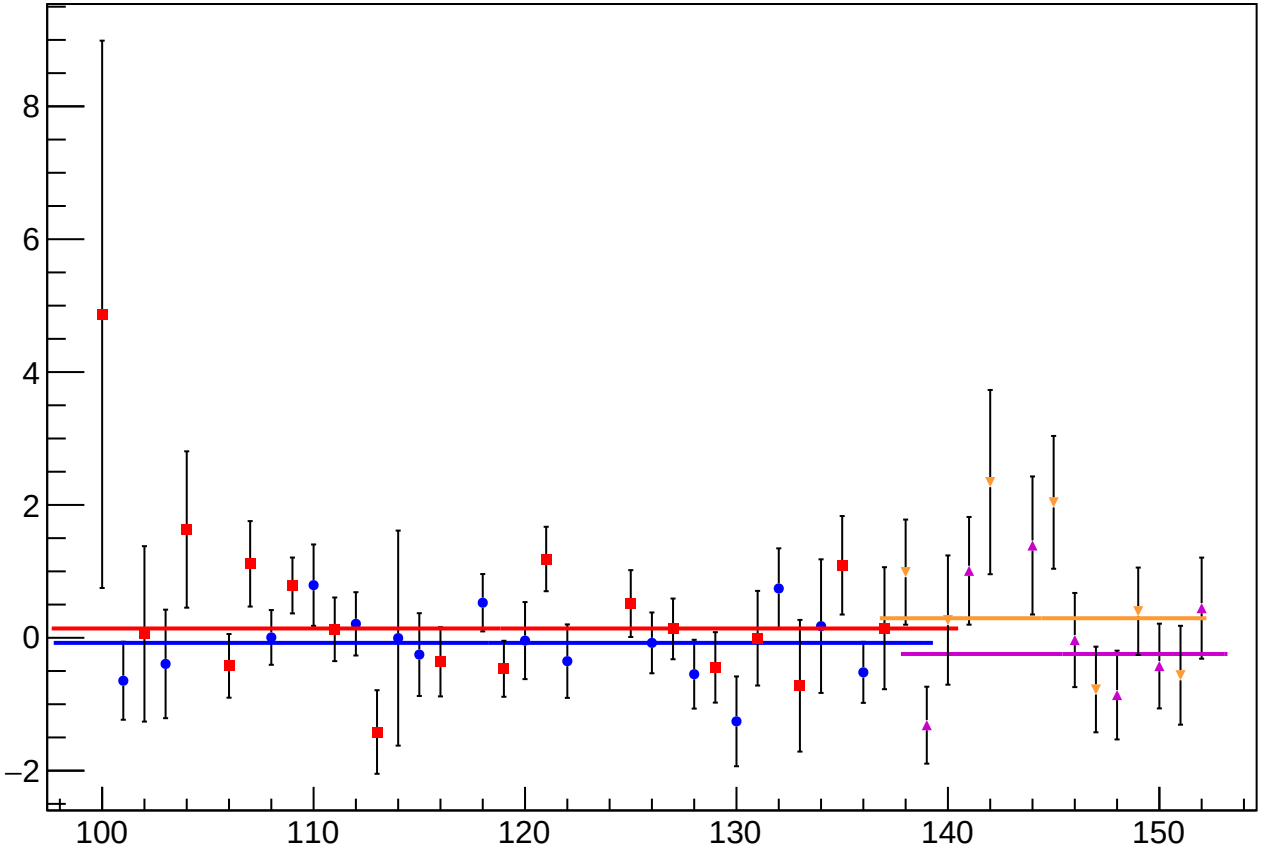
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:7431816.1/22

Out: 0.011+/-0.000 χ^2/NDF:7773311.8/24

All: 0.011+/-0.000 χ^2/NDF: 15267838.9/47

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: -0.244+/-0.269 χ^2/NDF:10.1/6

Left: -0.009+/-0.202 χ^2/NDF: 22.0/13

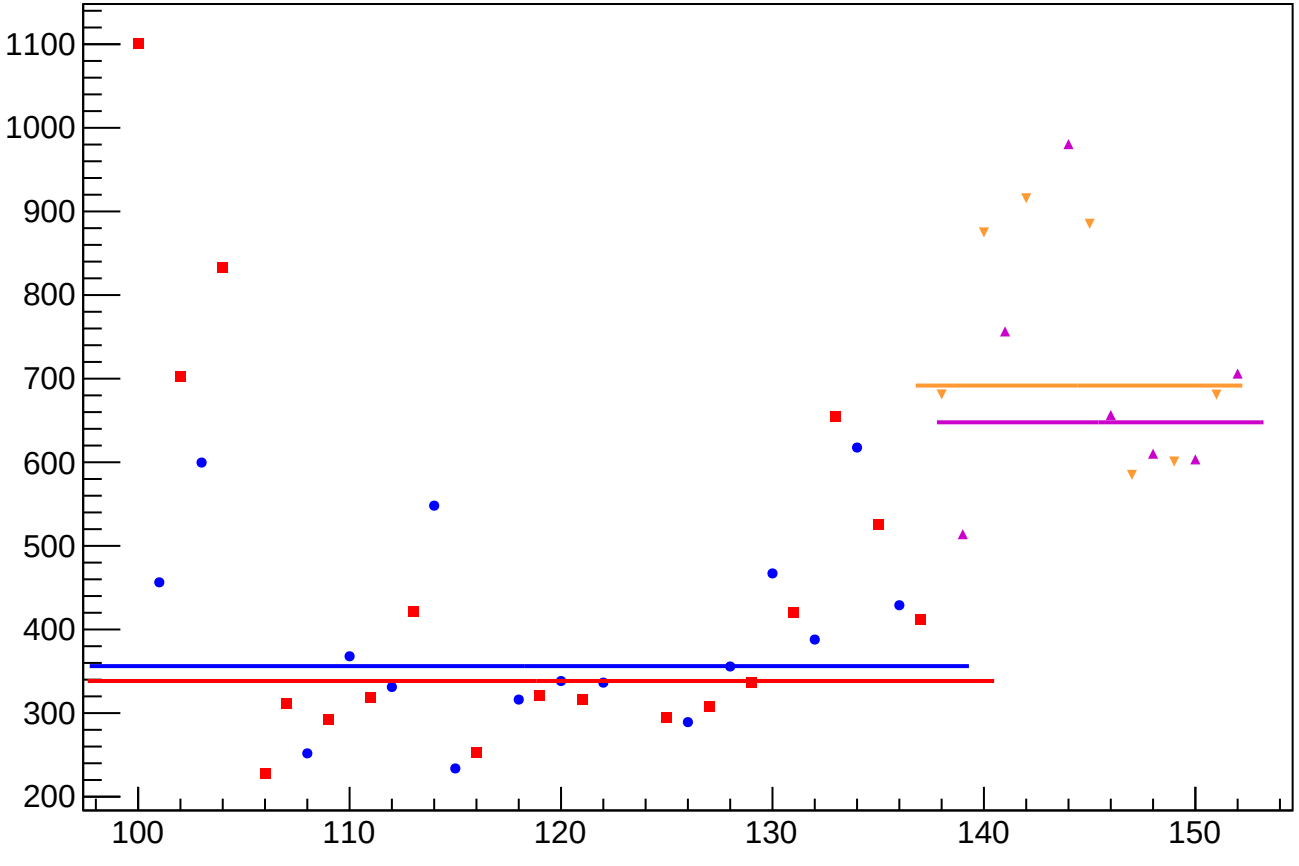
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.112+/-0.124 χ^2/NDF:22.9/22

Out: 0.166+/-0.126 χ^2/NDF:37.3/24

All: 0.025+/-0.088 χ^2/NDF: 62.7/47

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: 647.782+/-0.190 χ^2/NDF:375803.5/6

Left: 666.946+/-0.143 χ^2/NDF: 690928.7/13

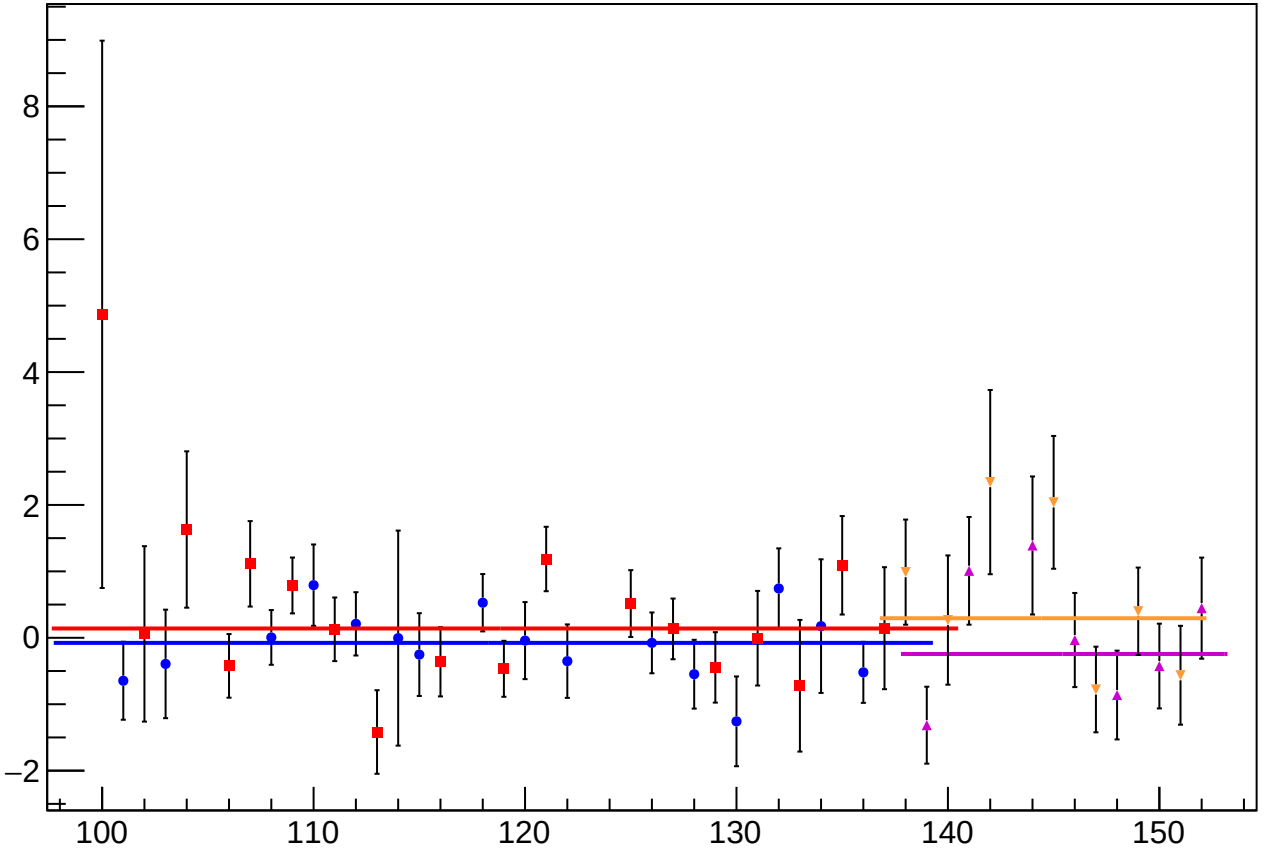
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 418.358+/-0.088 χ^2/NDF:3013360.0/22

Out: 398.182+/-0.089 χ^2/NDF:3714098.7/24

All: 408.405+/-0.062 χ^2/NDF: 6753541.6/47

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: -0.244+/-0.269 χ^2/NDF:10.1/6

Left: -0.009+/-0.202 χ^2/NDF: 22.0/13

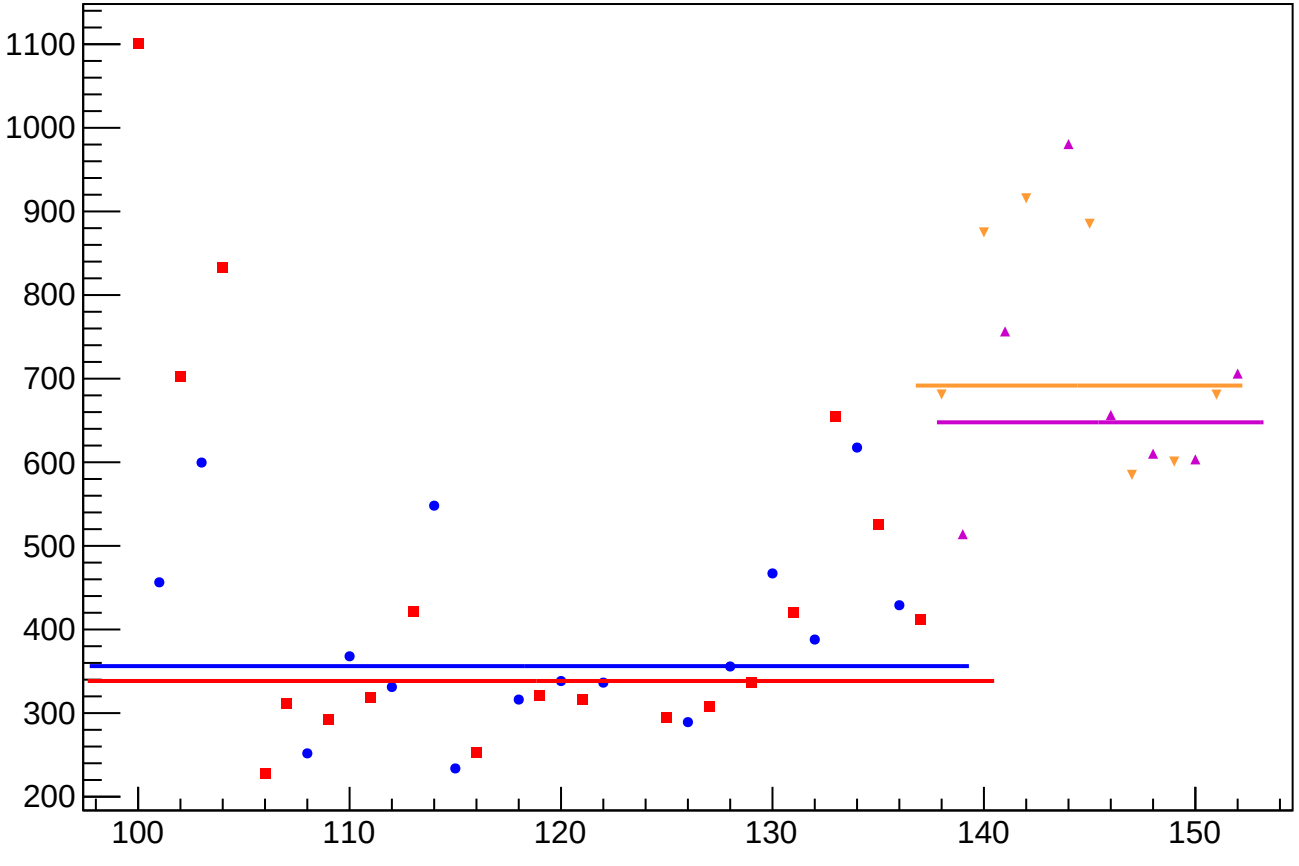
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.112+/-0.124 χ^2/NDF:22.9/22

Out: 0.166+/-0.126 χ^2/NDF:37.3/24

All: 0.025+/-0.088 χ^2/NDF: 62.7/47

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: 647.782+/-0.190 χ^2/NDF:375803.5/6

Left: 666.946+/-0.143 χ^2/NDF: 690928.7/13

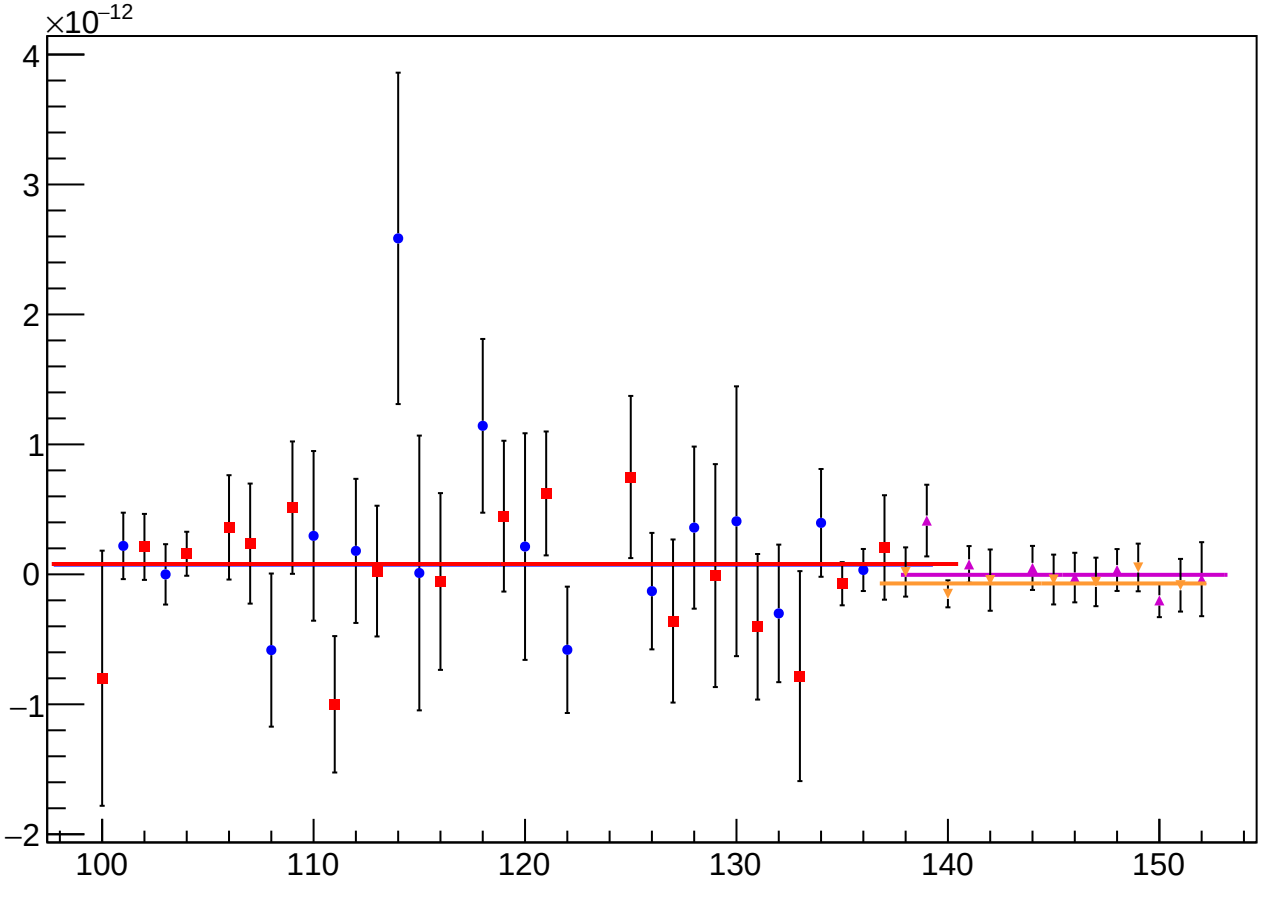
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 418.358+/-0.088 χ^2/NDF:3013360.0/22

Out: 398.182+/-0.089 χ^2/NDF:3714098.7/24

All: 408.405+/-0.062 χ^2/NDF: 6753541.6/47

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:5.1/6

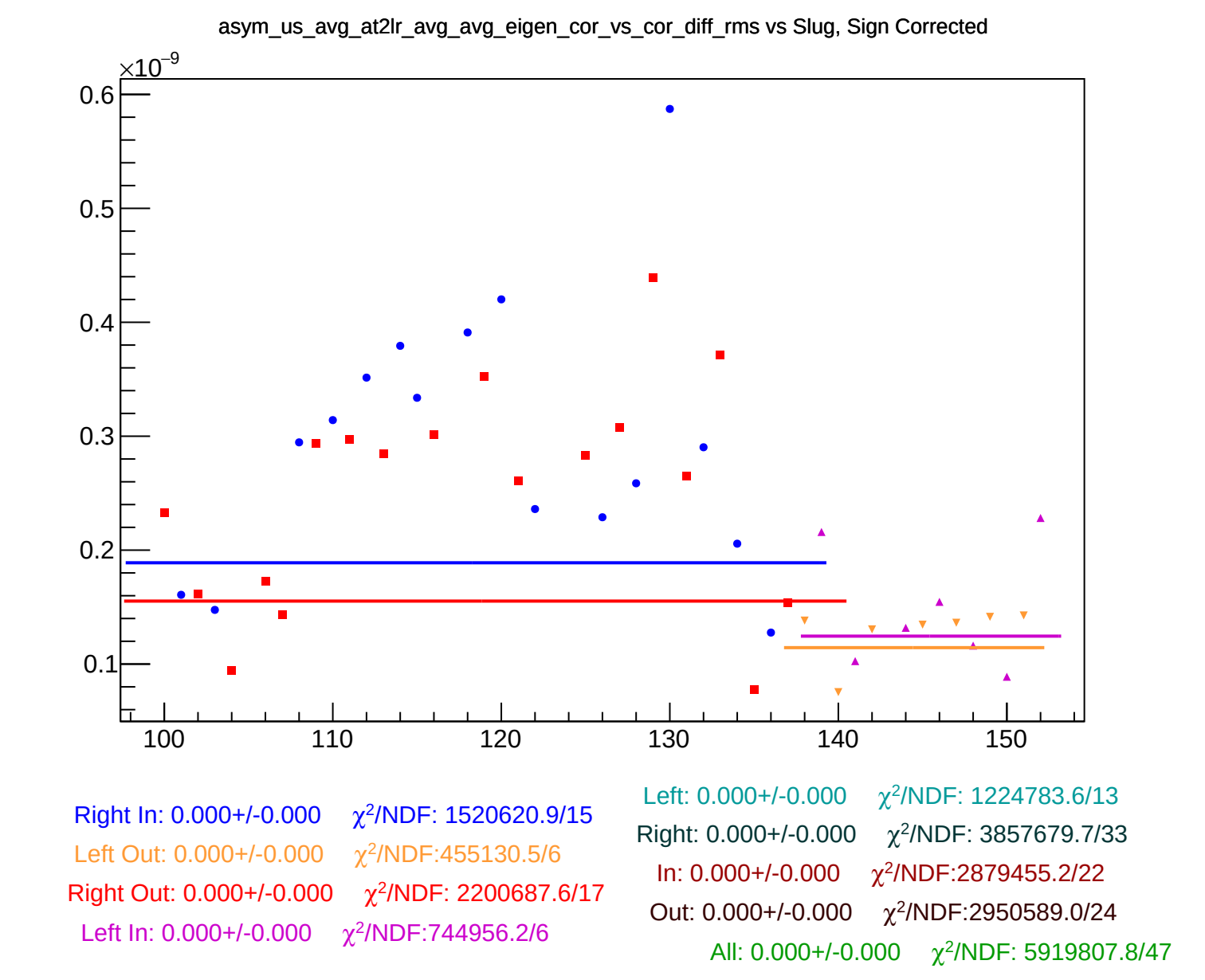
Left: -0.000+/-0.000 χ^2/NDF: 7.0/13

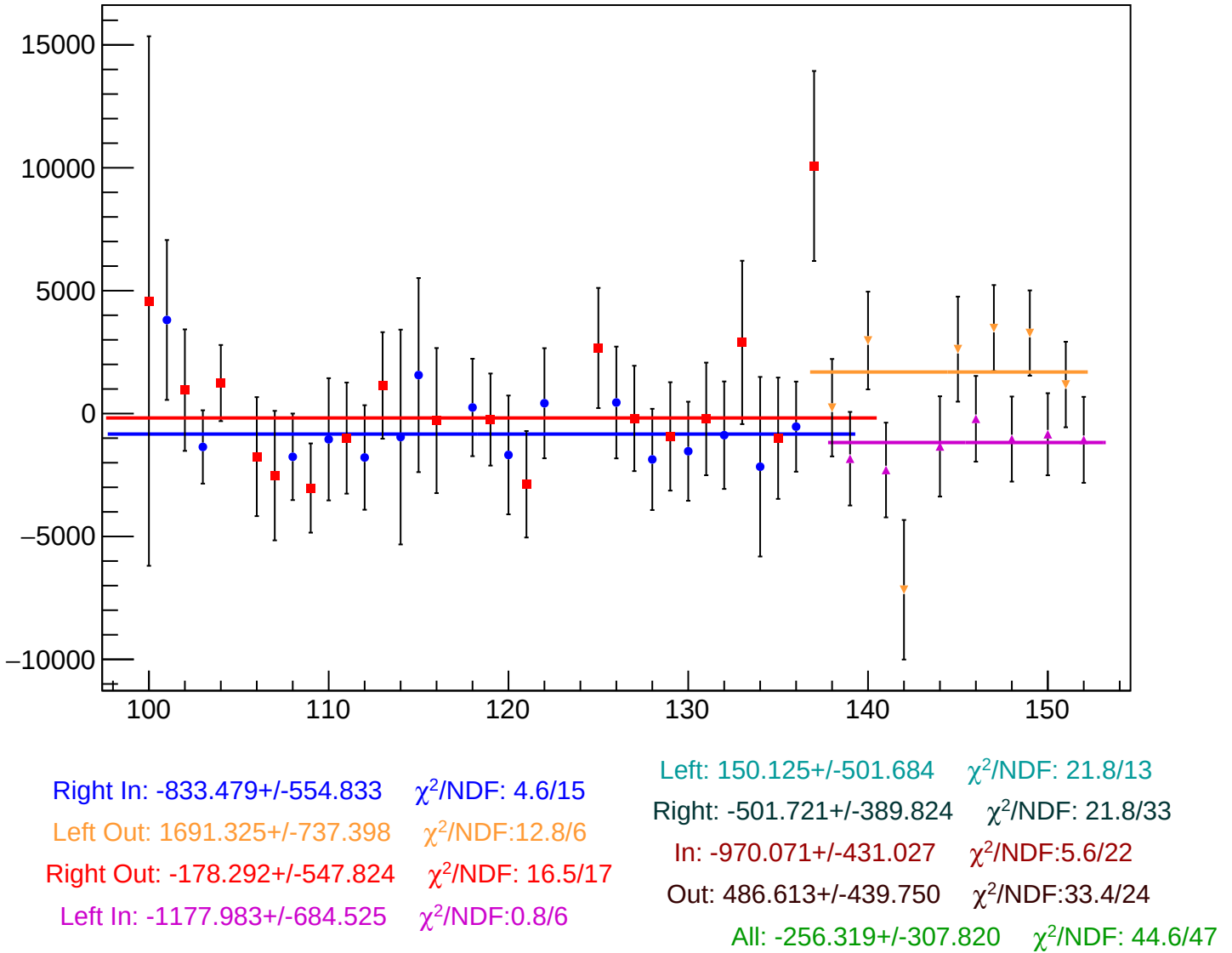
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

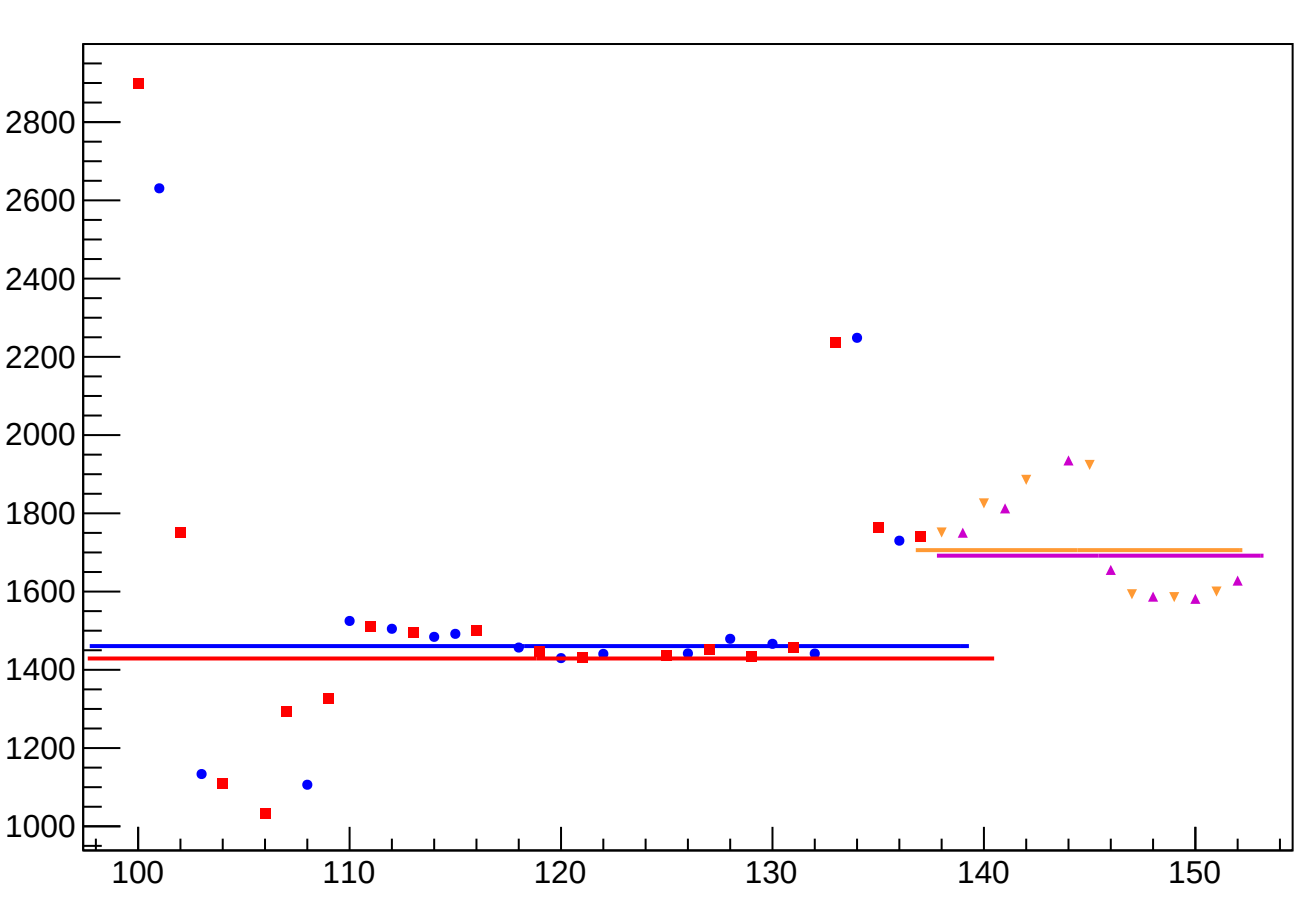
In: 0.000+/-0.000 χ^2/NDF:17.4/22

Out: -0.000+/-0.000 χ^2/NDF:16.4/24

All: 0.000+/-0.000 χ^2/NDF: 34.0/47


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1520620.9/15
Left Out: 0.000+/-0.000 χ²/NDF:455130.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:744956.2/6
Left: 0.000+/-0.000 χ²/NDF: 1224783.6/13
Right: 0.000+/-0.000 χ²/NDF: 3857679.7/33
In: 0.000+/-0.000 χ²/NDF:2879455.2/22
Out: 0.000+/-0.000 χ²/NDF:2950589.0/24
All: 0.000+/-0.000 χ²/NDF: 5919807.8/47


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: -1177.983+/-684.525 χ²/NDF:0.8/6
Left: 150.125+/-501.684 χ²/NDF: 21.8/13
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -970.071+/-431.027 χ²/NDF:5.6/22
Out: 486.613+/-439.750 χ²/NDF:33.4/24
All: -256.319+/-307.820 χ²/NDF: 44.6/47



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: 1691.770+/-0.484 χ^2/NDF:57835.3/6

Left: 1698.322+/-0.355 χ^2/NDF: 120564.5/13

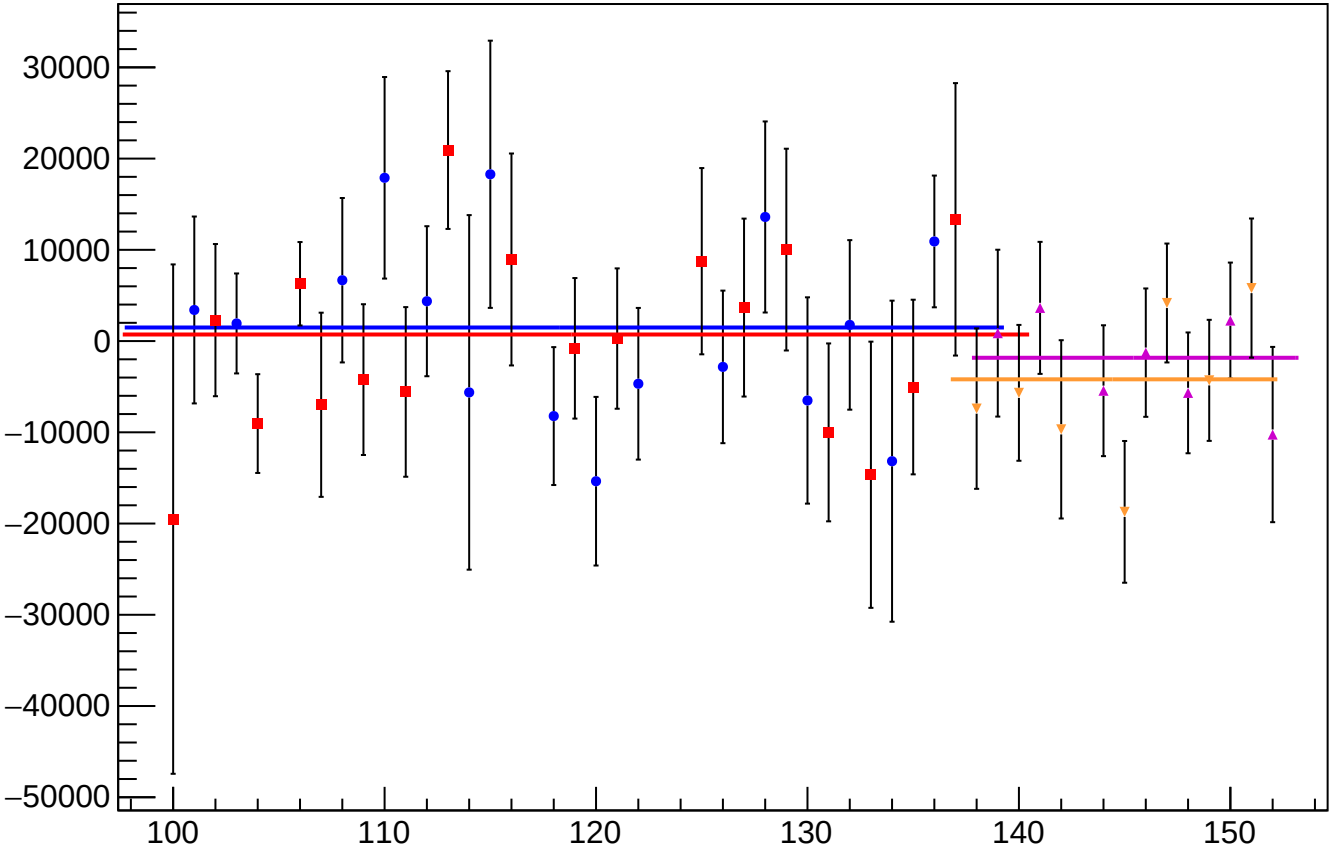
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1552.289+/-0.305 χ^2/NDF:771165.3/22

Out: 1526.508+/-0.309 χ^2/NDF:656395.3/24

All: 1539.595+/-0.217 χ^2/NDF: 1431083.6/47

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -4193.379+/-2869.037 χ^2/NDF:7.4/6

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -1831.398+/-2782.963 χ^2/NDF:2.4/6

Left: -2976.426+/-1997.589 χ^2/NDF: 10.1/13

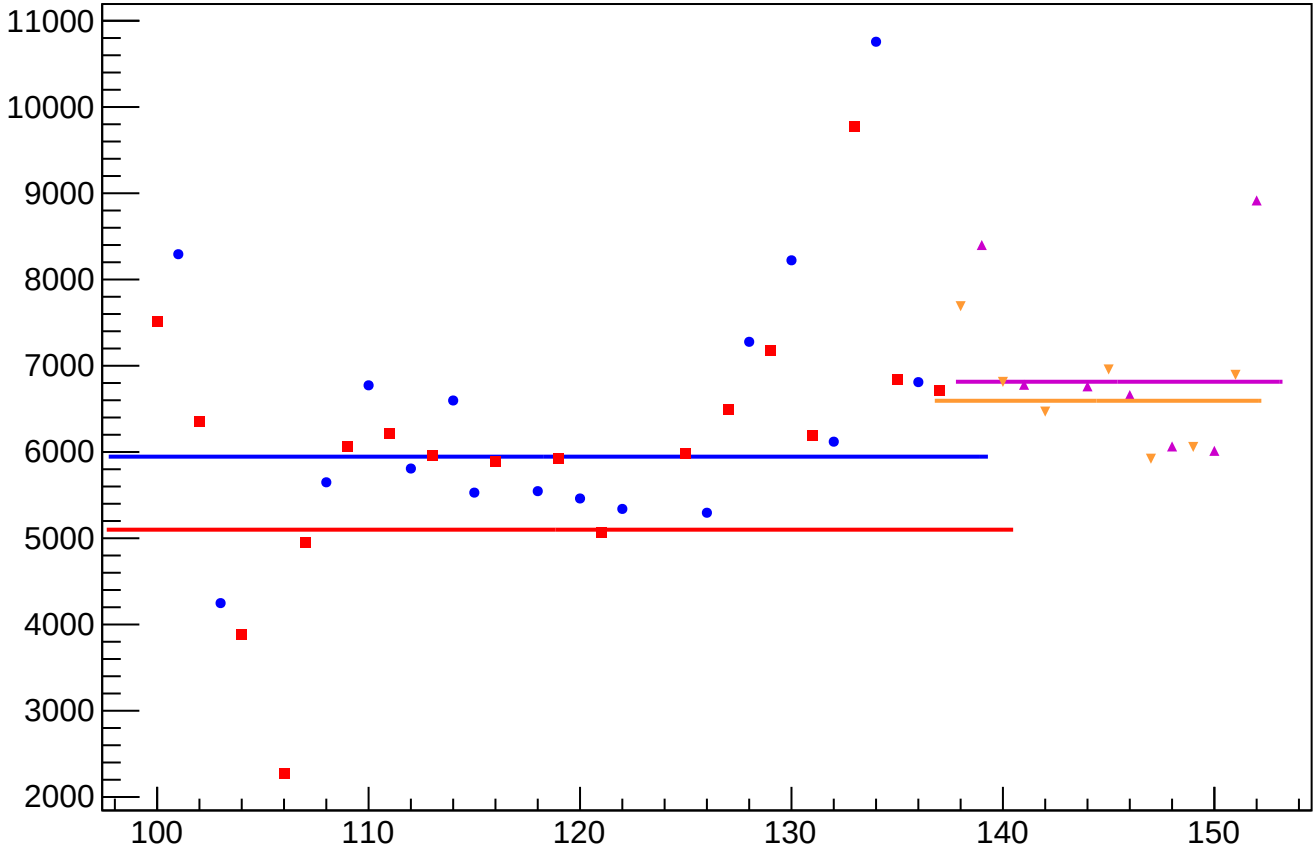
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 162.886+/-1758.122 χ^2/NDF:17.5/22

Out: -899.188+/-1647.061 χ^2/NDF:26.8/24

All: -402.754+/-1201.994 χ^2/NDF: 44.5/47

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: 6814.643+/-1.968 χ^2/NDF:214459.9/6

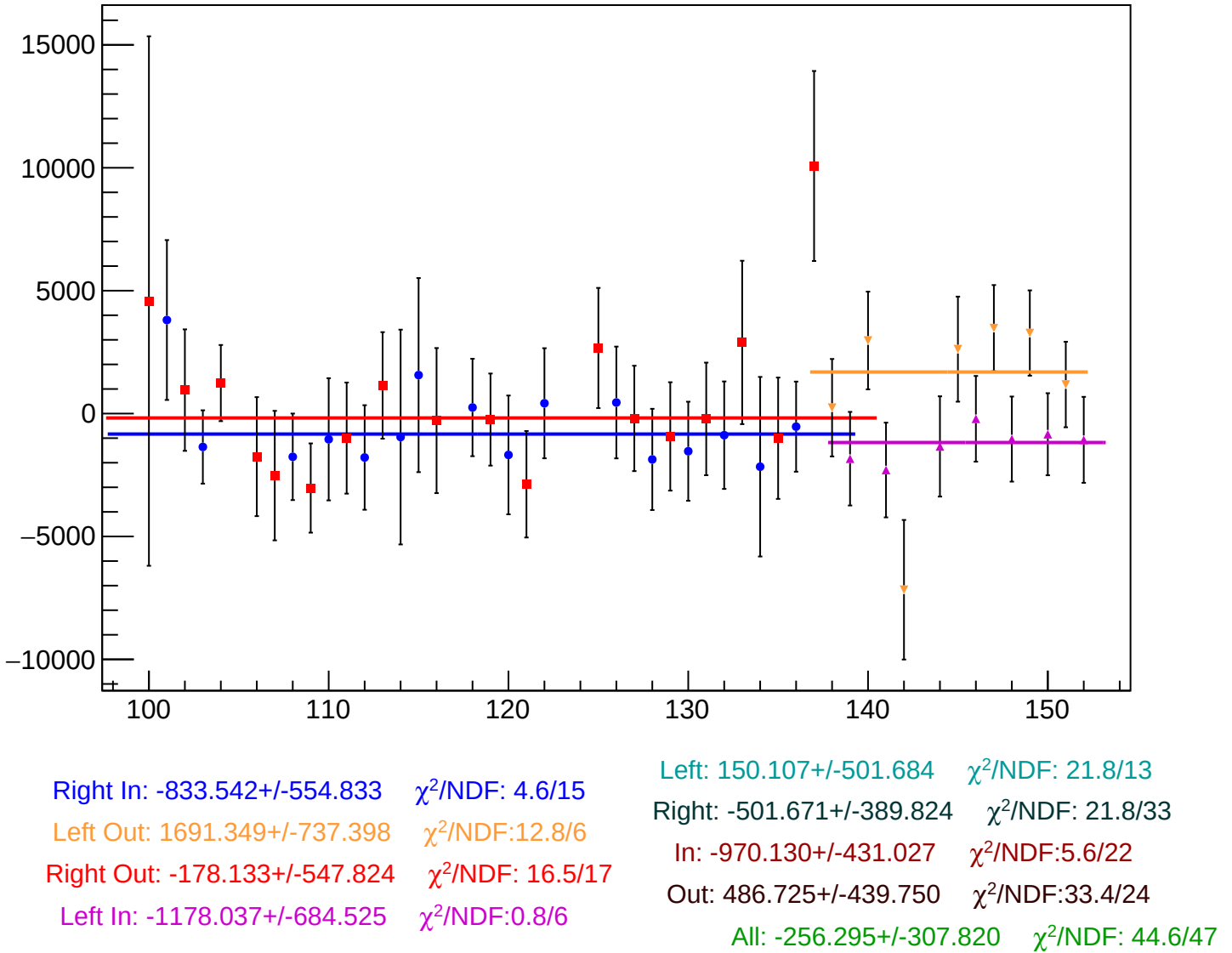
Left: 6707.695+/-1.413 χ^2/NDF: 295464.2/13

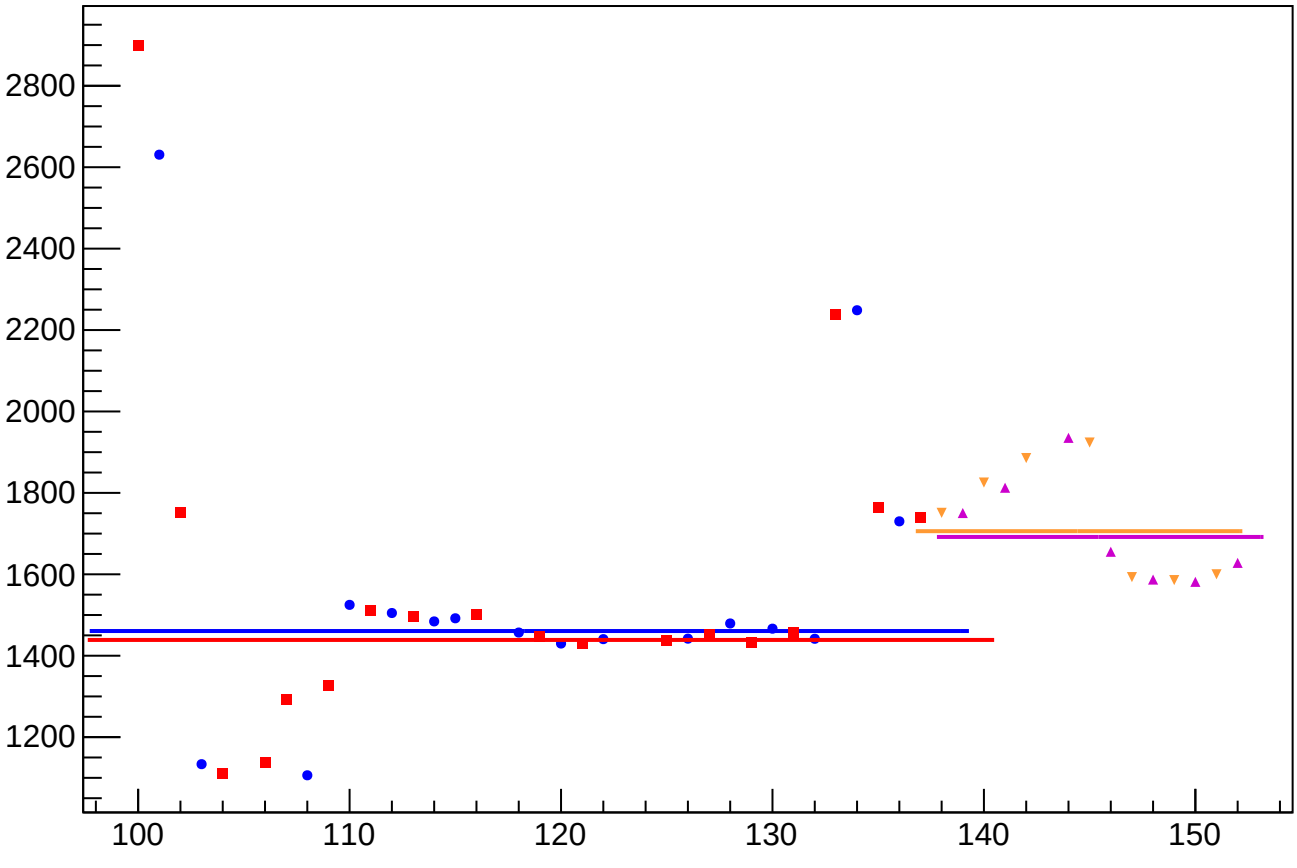
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6292.725+/-1.243 χ^2/NDF:972654.2/22

Out: 5591.967+/-1.165 χ^2/NDF:1919188.4/24

All: 5919.515+/-0.850 χ^2/NDF: 3061063.0/47


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: -1178.037+/-684.525 χ²/NDF:0.8/6
Left: 150.107+/-501.684 χ²/NDF: 21.8/13
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -970.130+/-431.027 χ²/NDF:5.6/22
Out: 486.725+/-439.750 χ²/NDF:33.4/24
All: -256.295+/-307.820 χ²/NDF: 44.6/47



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: 1691.770+/-0.484 χ^2/NDF:57835.3/6

Left: 1698.322+/-0.355 χ^2/NDF: 120564.5/13

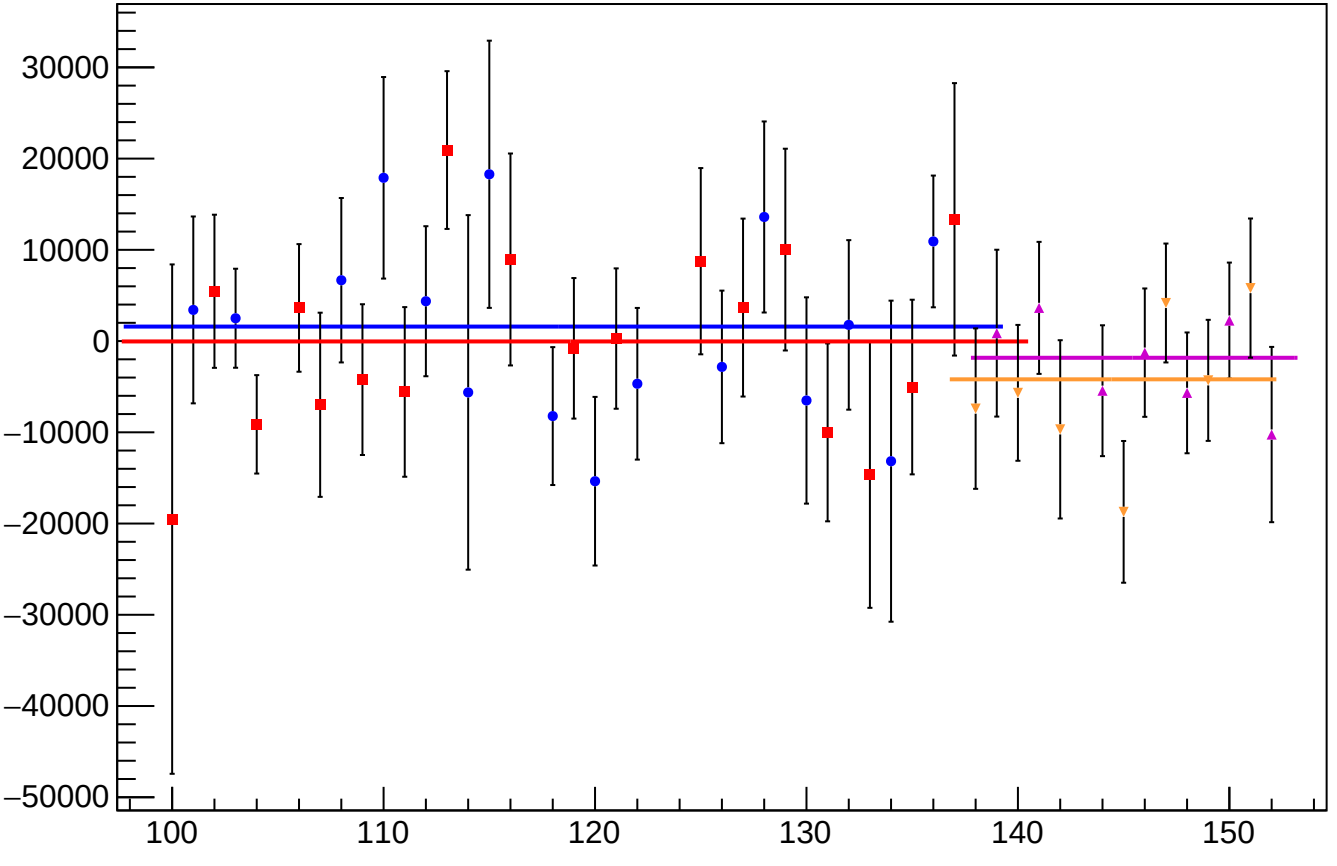
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1552.289+/-0.305 χ^2/NDF:771165.7/22

Out: 1533.496+/-0.310 χ^2/NDF:605145.1/24

All: 1543.067+/-0.218 χ^2/NDF: 1378176.4/47

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -4193.426+/-2869.035 χ^2/NDF:7.4/6

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -1831.421+/-2782.960 χ^2/NDF:2.4/6

Left: -2976.461+/-1997.587 χ^2/NDF: 10.1/13

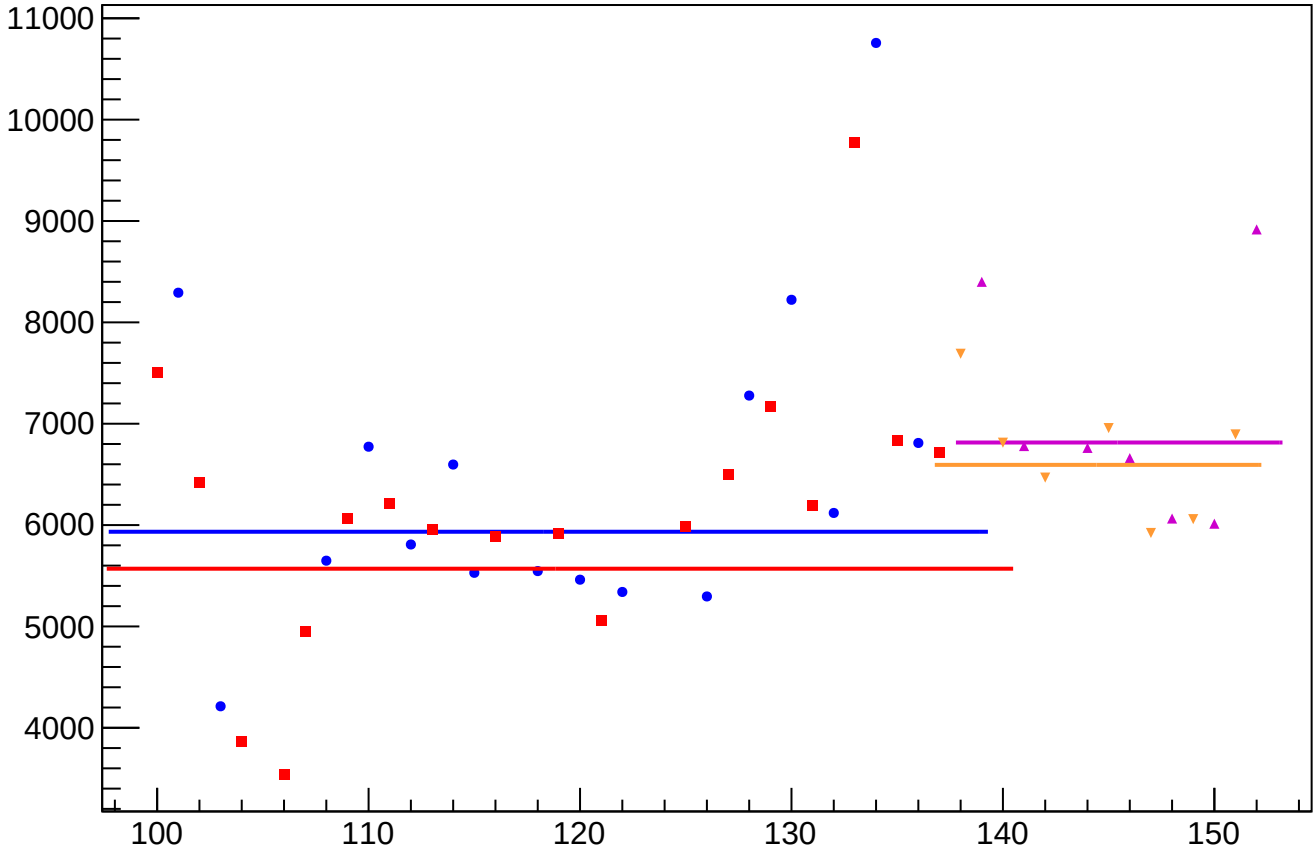
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 226.423+/-1756.365 χ^2/NDF:17.6/22

Out: -1518.950+/-1711.782 χ^2/NDF:25.2/24

All: -668.696+/-1225.871 χ^2/NDF: 43.2/47

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: 6814.637+/-1.968 χ^2/NDF:214460.6/6

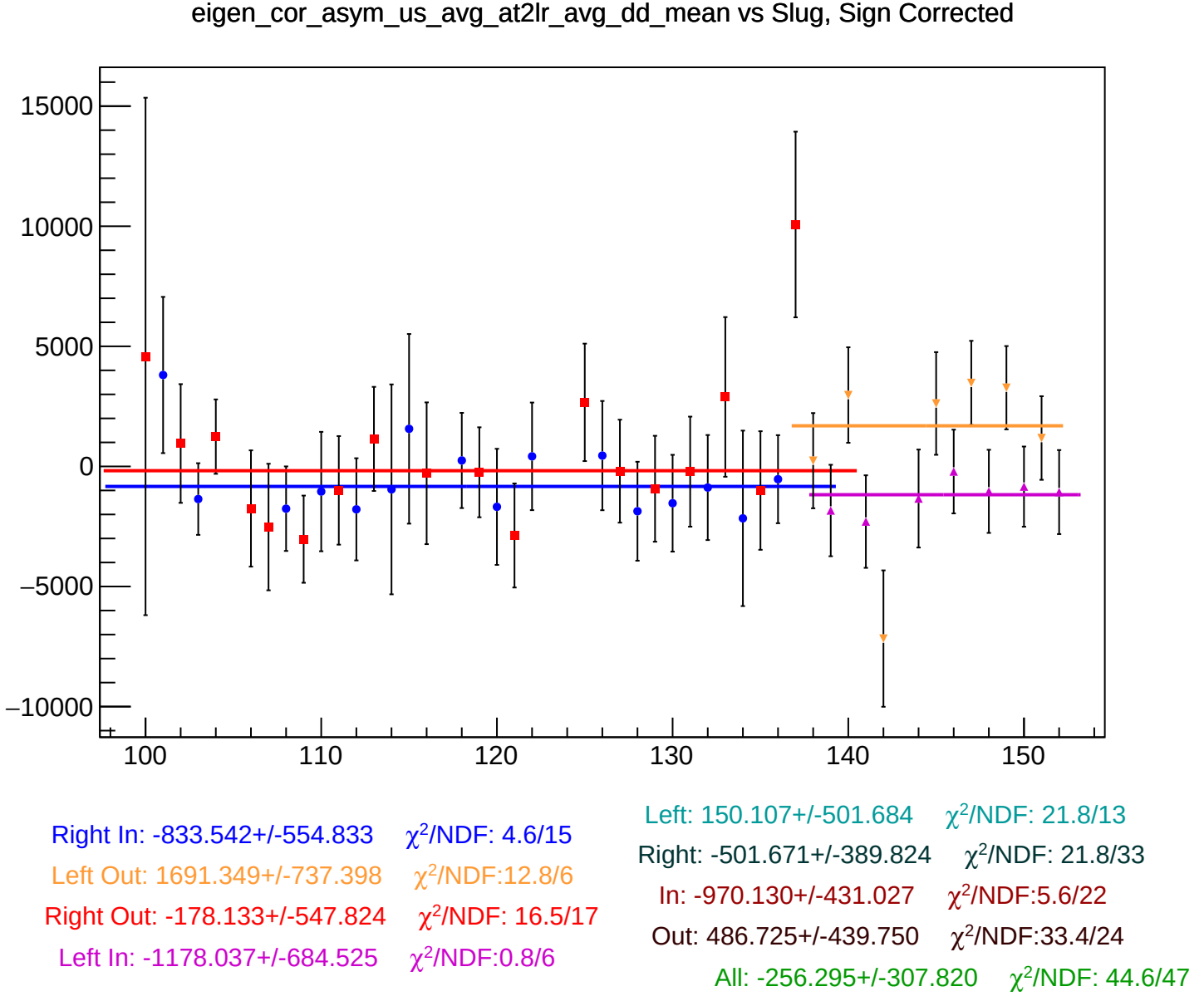
Left: 6707.690+/-1.413 χ^2/NDF: 295464.6/13

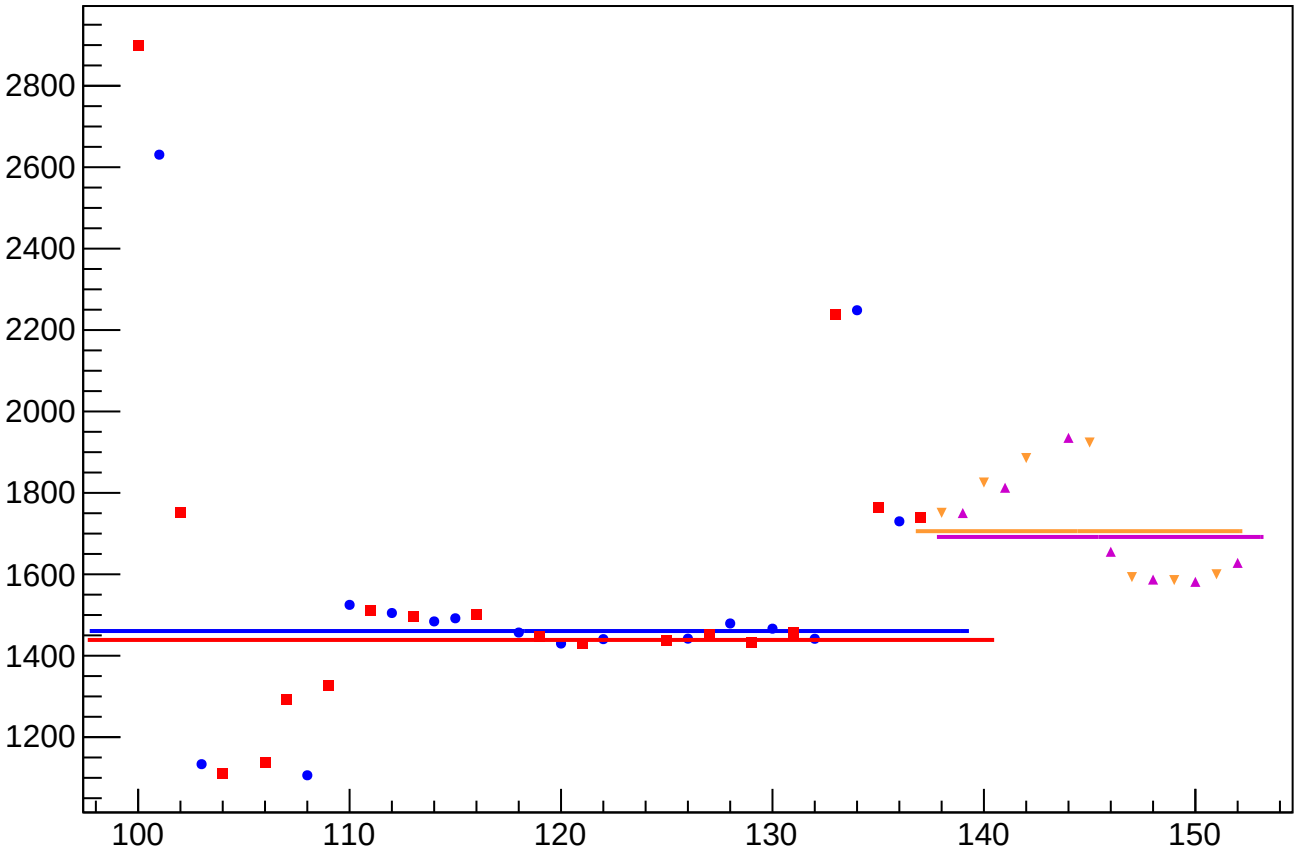
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6284.888+/-1.242 χ^2/NDF:987986.2/22

Out: 5934.278+/-1.210 χ^2/NDF:963175.0/24

All: 6105.077+/-0.867 χ^2/NDF: 1992034.5/47


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: -1178.037+/-684.525 χ²/NDF:0.8/6
Left: 150.107+/-501.684 χ²/NDF: 21.8/13
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -970.130+/-431.027 χ²/NDF:5.6/22
Out: 486.725+/-439.750 χ²/NDF:33.4/24
All: -256.295+/-307.820 χ²/NDF: 44.6/47



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: 1691.770+/-0.484 χ^2/NDF:57835.3/6

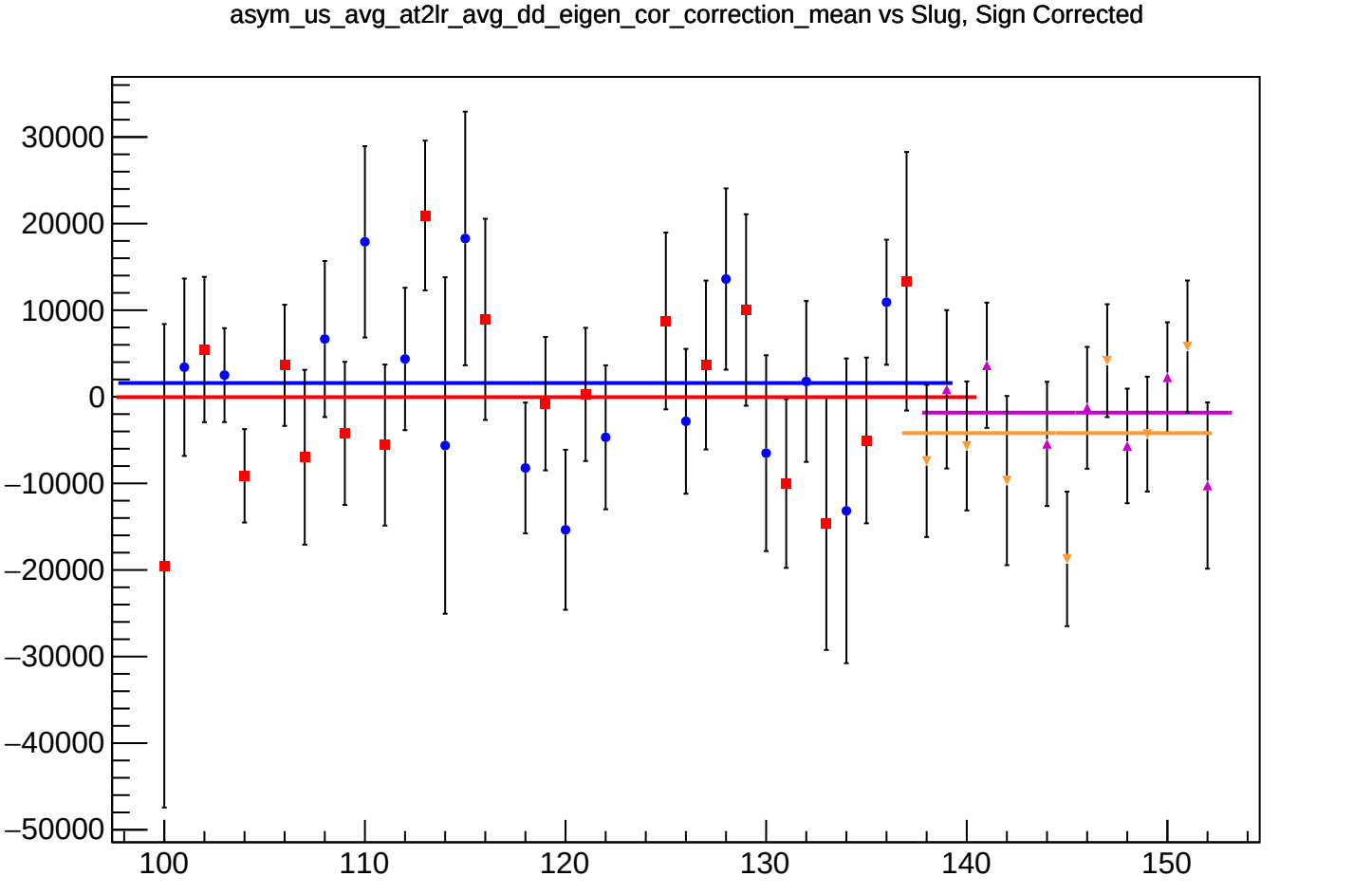
Left: 1698.322+/-0.355 χ^2/NDF: 120564.5/13

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

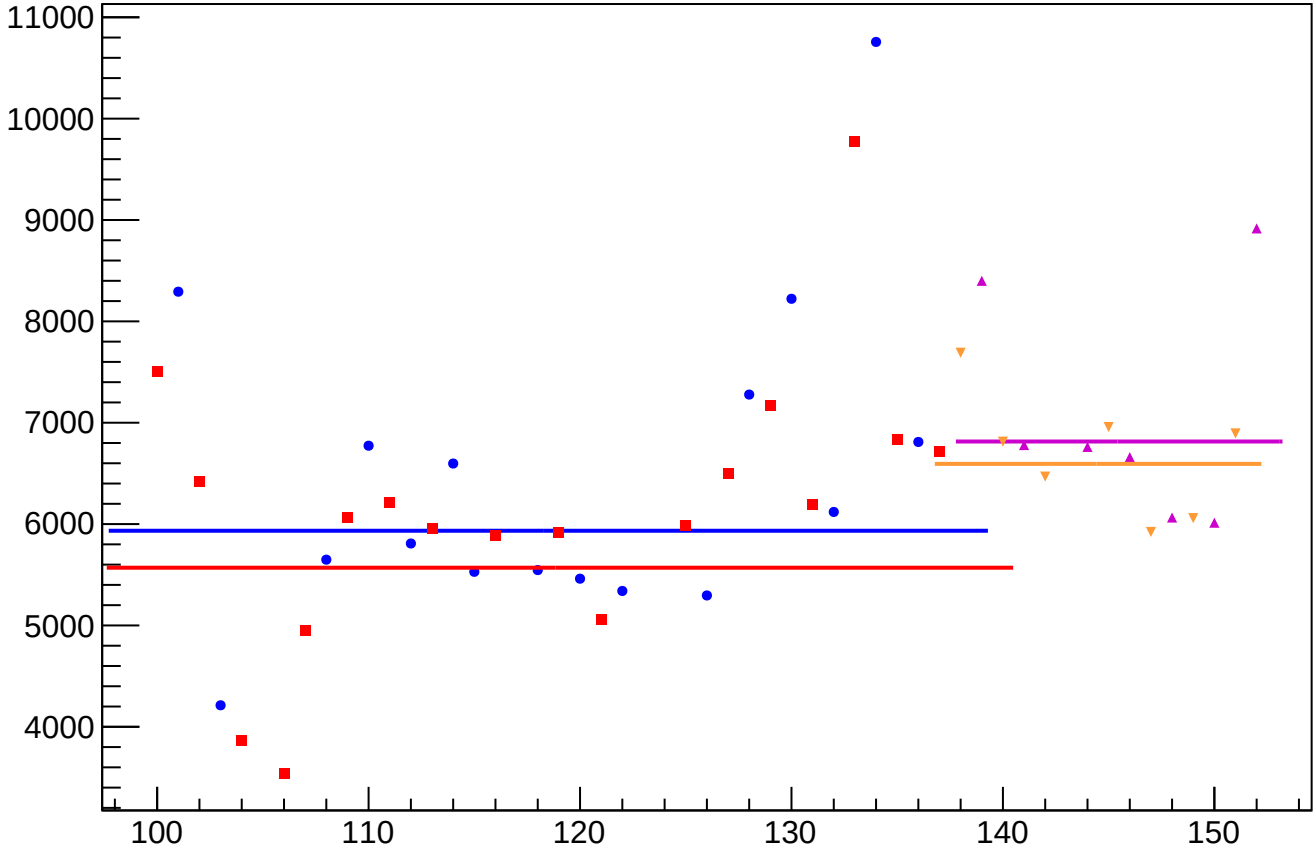
In: 1552.289+/-0.305 χ^2/NDF:771165.7/22

Out: 1533.496+/-0.310 χ^2/NDF:605145.1/24

All: 1543.067+/-0.218 χ^2/NDF: 1378176.4/47


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: -1831.421+/-2782.960 χ²/NDF:2.4/6
Left: -2976.461+/-1997.587 χ²/NDF: 10.1/13
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 226.423+/-1756.365 χ²/NDF:17.6/22
Out: -1518.950+/-1711.782 χ²/NDF:25.2/24
All: -668.696+/-1225.871 χ²/NDF: 43.2/47

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: 6814.637+/-1.968 χ^2/NDF:214460.6/6

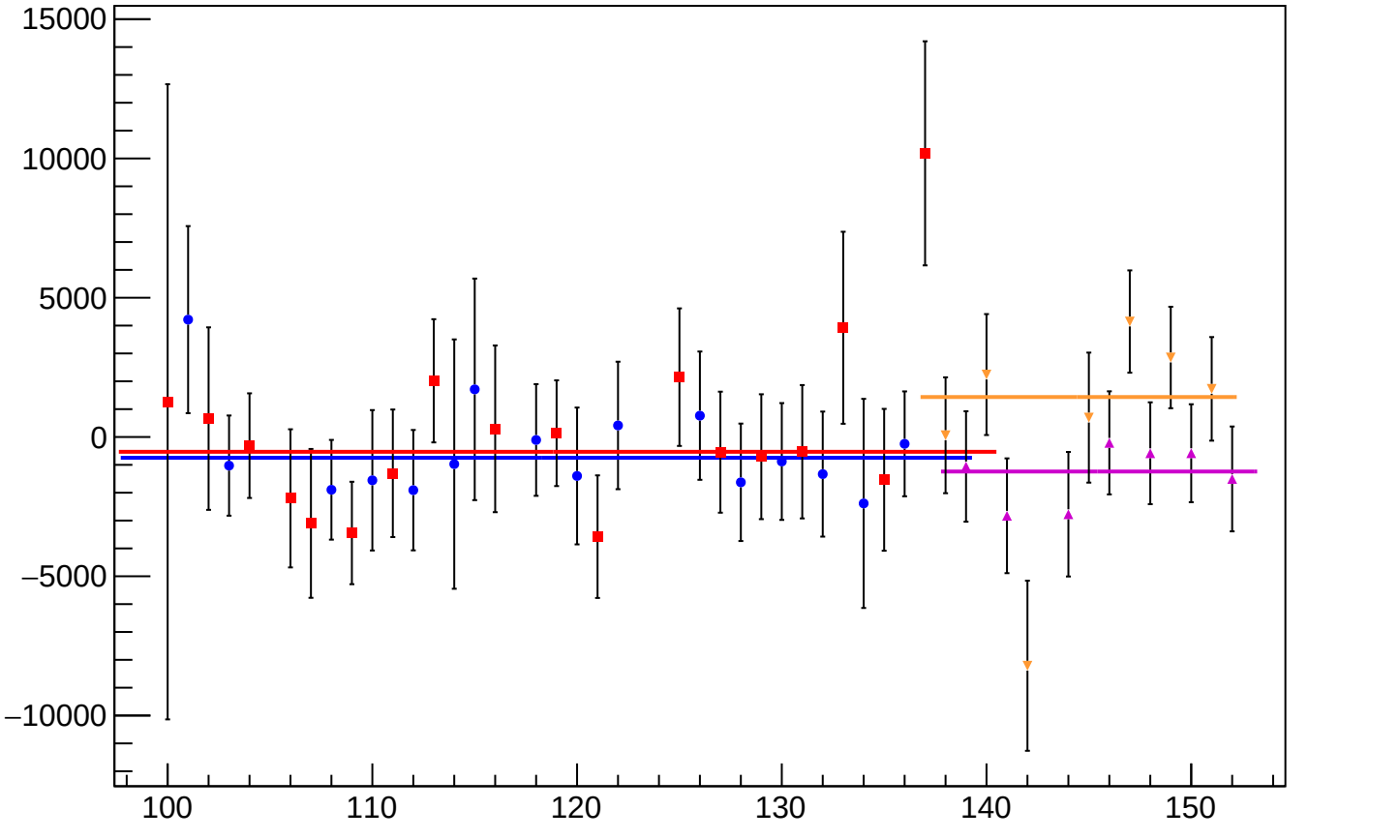
Left: 6707.690+/-1.413 χ^2/NDF: 295464.6/13

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6284.888+/-1.242 χ^2/NDF:987986.2/22

Out: 5934.278+/-1.210 χ^2/NDF:963175.0/24

All: 6105.077+/-0.867 χ^2/NDF: 1992034.5/47



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: -1239.363+/-727.911 χ^2/NDF:1.7/6

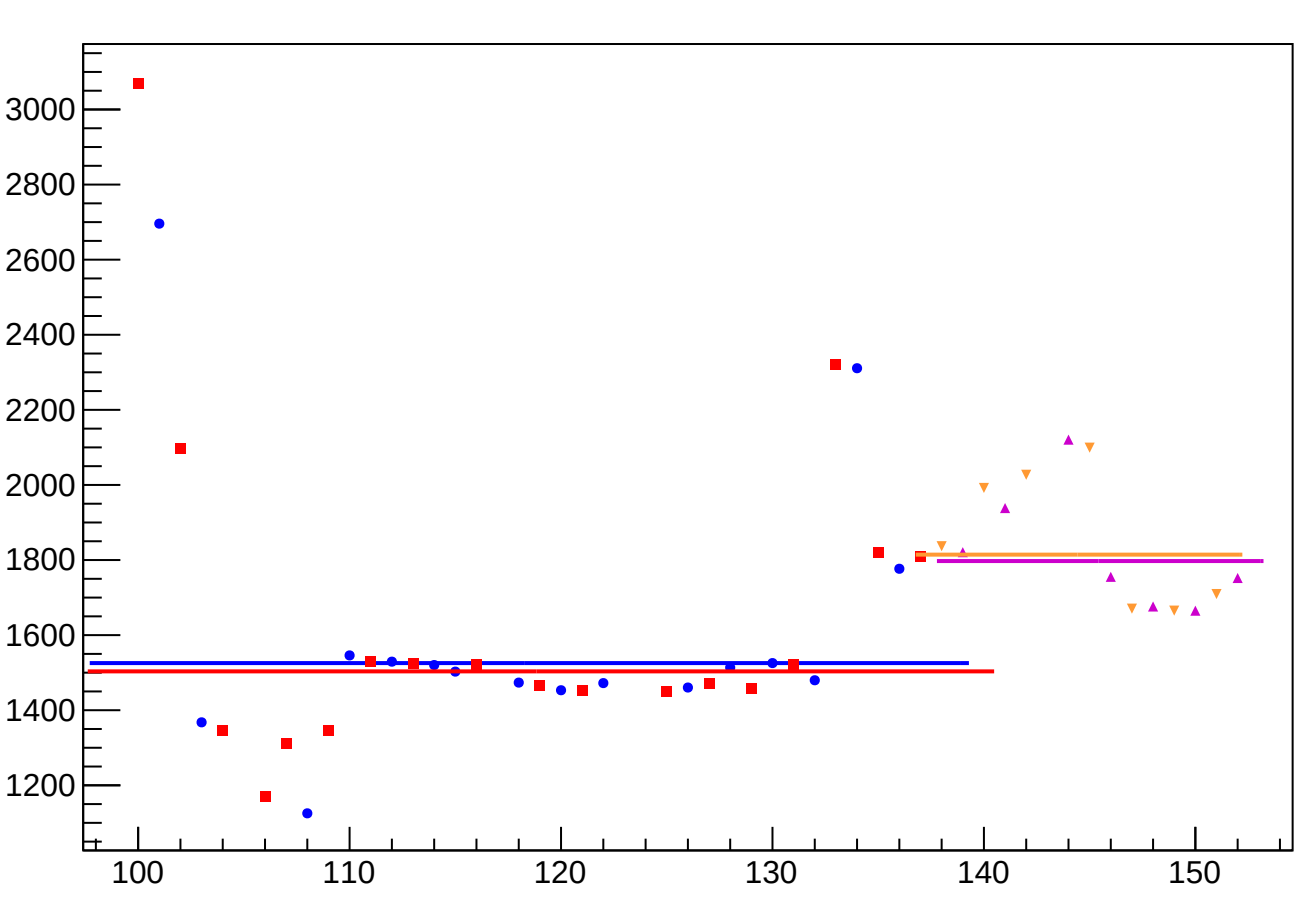
Left: -3.794+/-533.874 χ^2/NDF: 21.4/13

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -936.759+/-452.686 χ^2/NDF:6.7/22

Out: 154.904+/-464.010 χ^2/NDF:35.3/24

All: -404.411+/-324.027 χ^2/NDF: 44.8/47



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: 1797.278+/-0.515 χ^2/NDF:73775.5/6

Left: 1805.186+/-0.378 χ^2/NDF: 159469.2/13

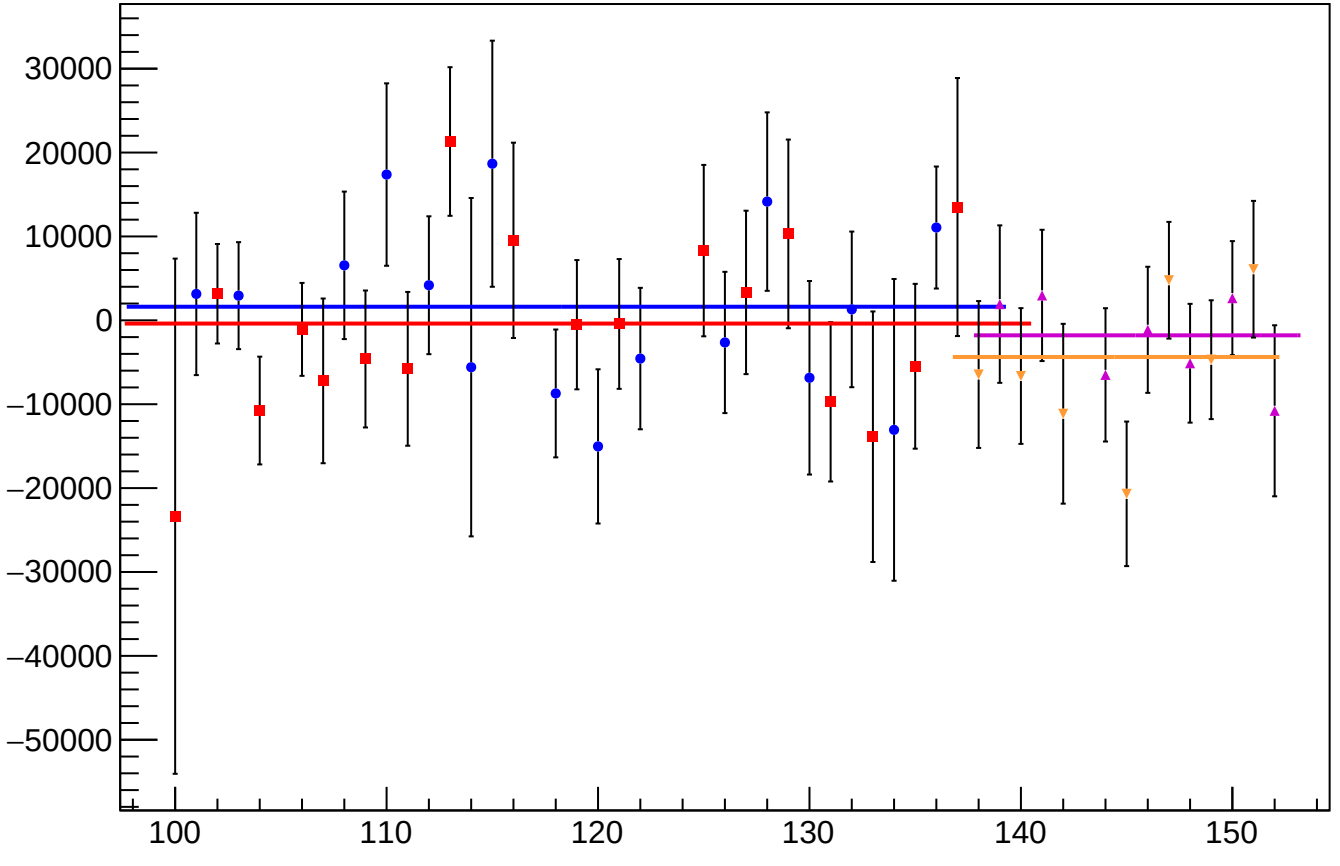
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1630.634+/-0.320 χ^2/NDF:733034.1/22

Out: 1611.934+/-0.328 χ^2/NDF:627820.0/24

All: 1621.513+/-0.229 χ^2/NDF: 1362518.6/47

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: -1788.392+/-2982.369 χ^2/NDF:2.3/6

Left: -3043.897+/-2138.863 χ^2/NDF: 10.2/13

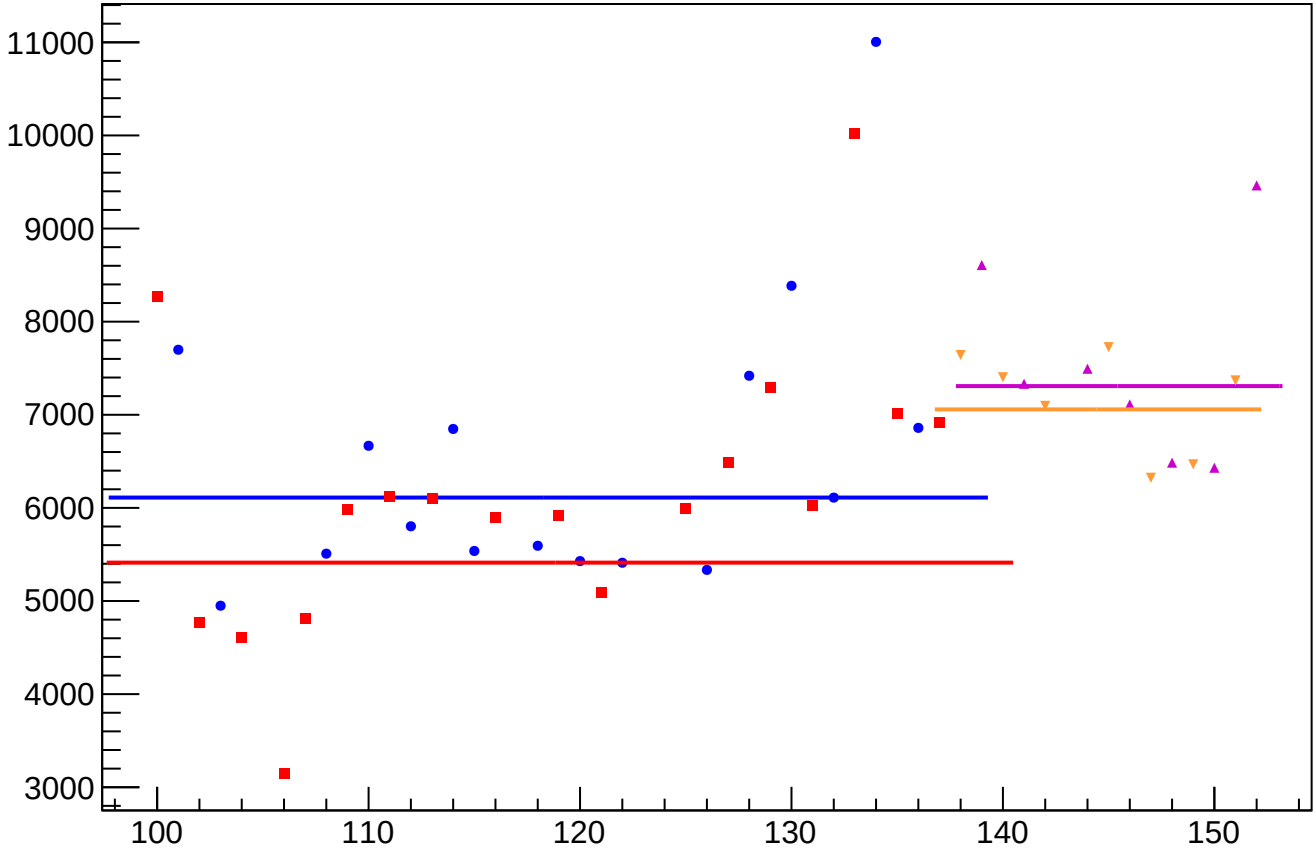
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 335.050+/-1831.200 χ^2/NDF:17.4/22

Out: -1625.154+/-1710.930 χ^2/NDF:24.7/24

All: -711.532+/-1250.168 χ^2/NDF: 42.7/47

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: 7308.178+/-2.109 χ^2/NDF:190494.5/6

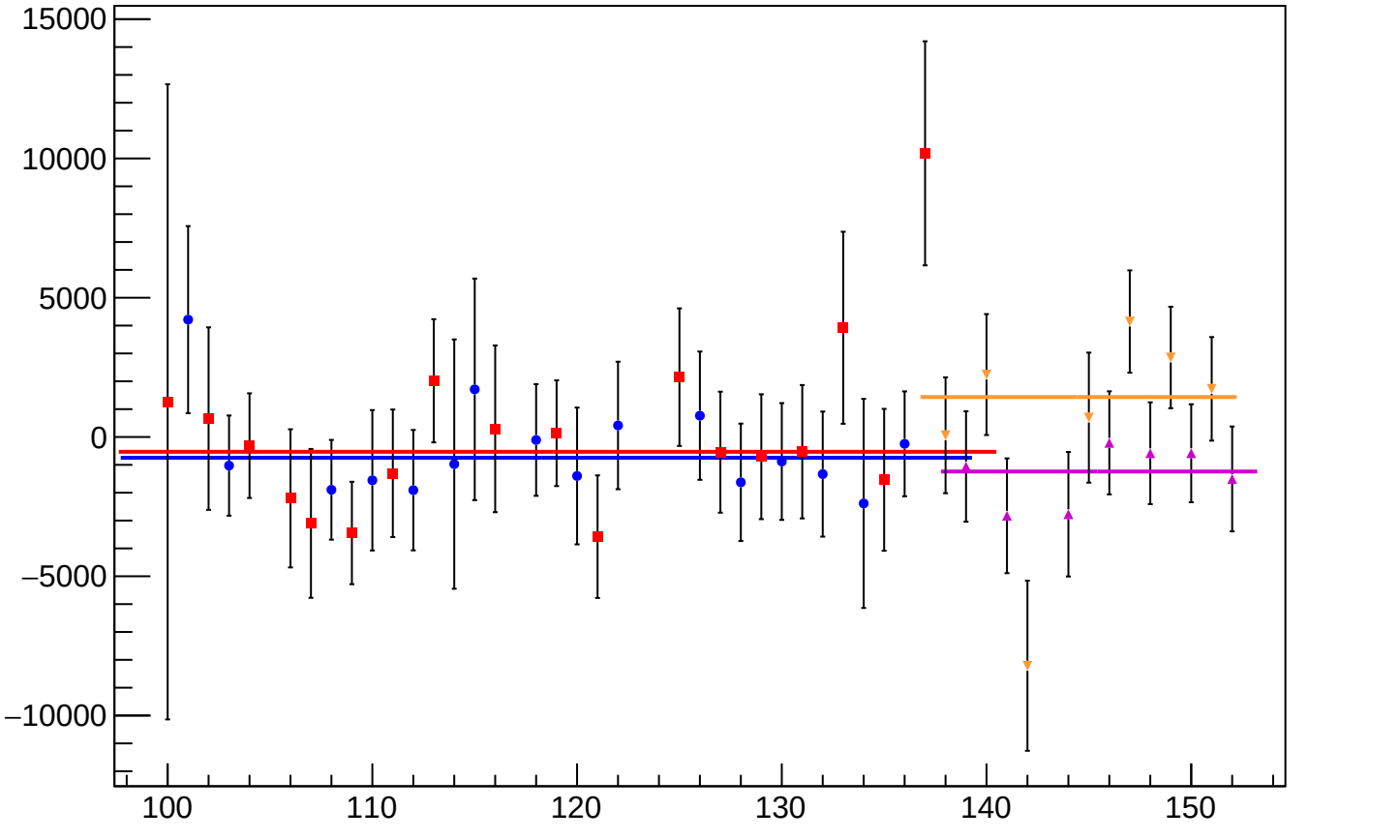
Left: 7186.550+/-1.512 χ^2/NDF: 261005.1/13

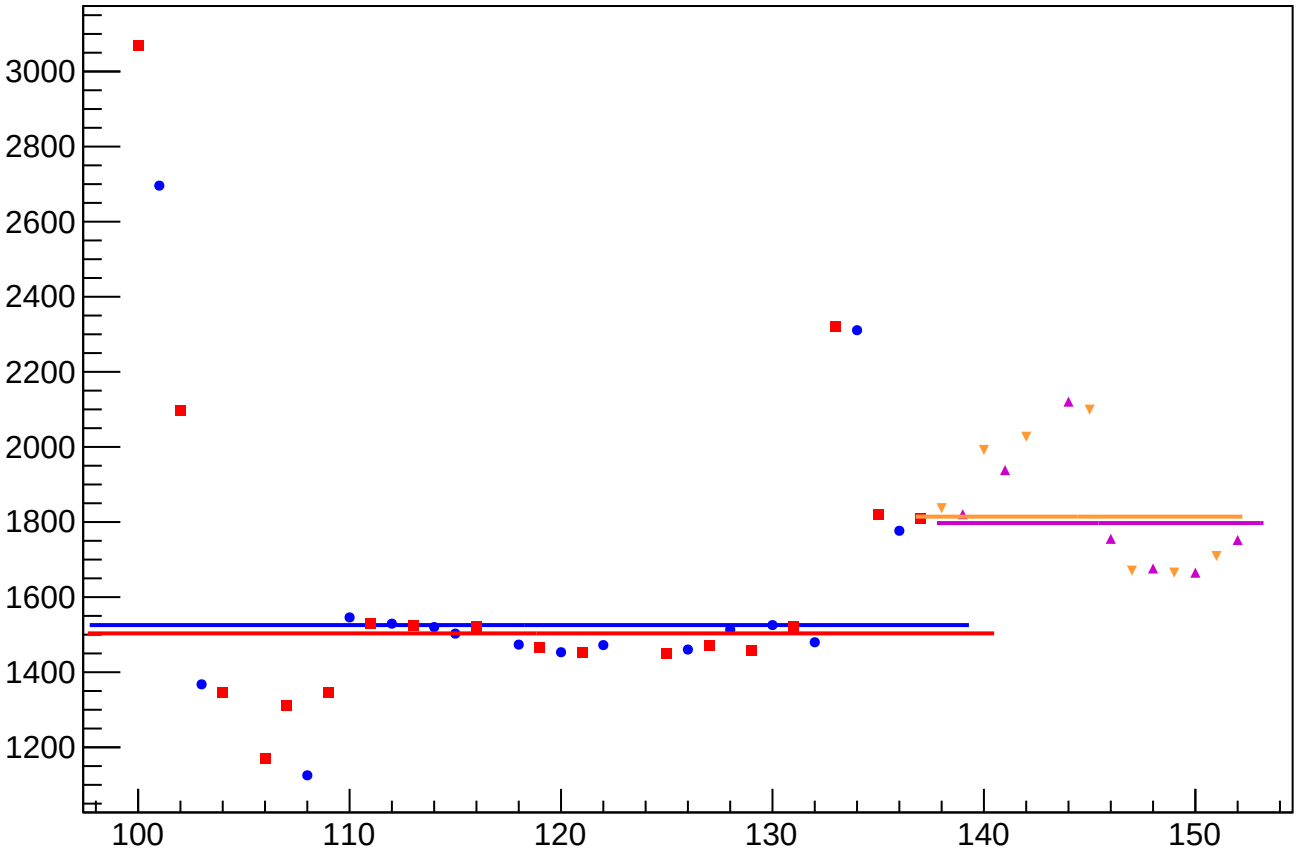
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6562.367+/-1.295 χ^2/NDF:862918.0/22

Out: 5923.637+/-1.210 χ^2/NDF:1281421.4/24

All: 6221.339+/-0.884 χ^2/NDF: 2274255.9/47


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1434.581+/-785.385 χ²/NDF:13.5/6
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1239.359+/-727.912 χ²/NDF:1.7/6
Left: -3.795+/-533.874 χ²/NDF: 21.4/13
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -936.760+/-452.687 χ²/NDF:6.7/22
Out: 154.894+/-464.010 χ²/NDF:35.3/24
All: -404.416+/-324.027 χ²/NDF: 44.8/47



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: 1797.280+/-0.515 χ^2/NDF:73775.7/6

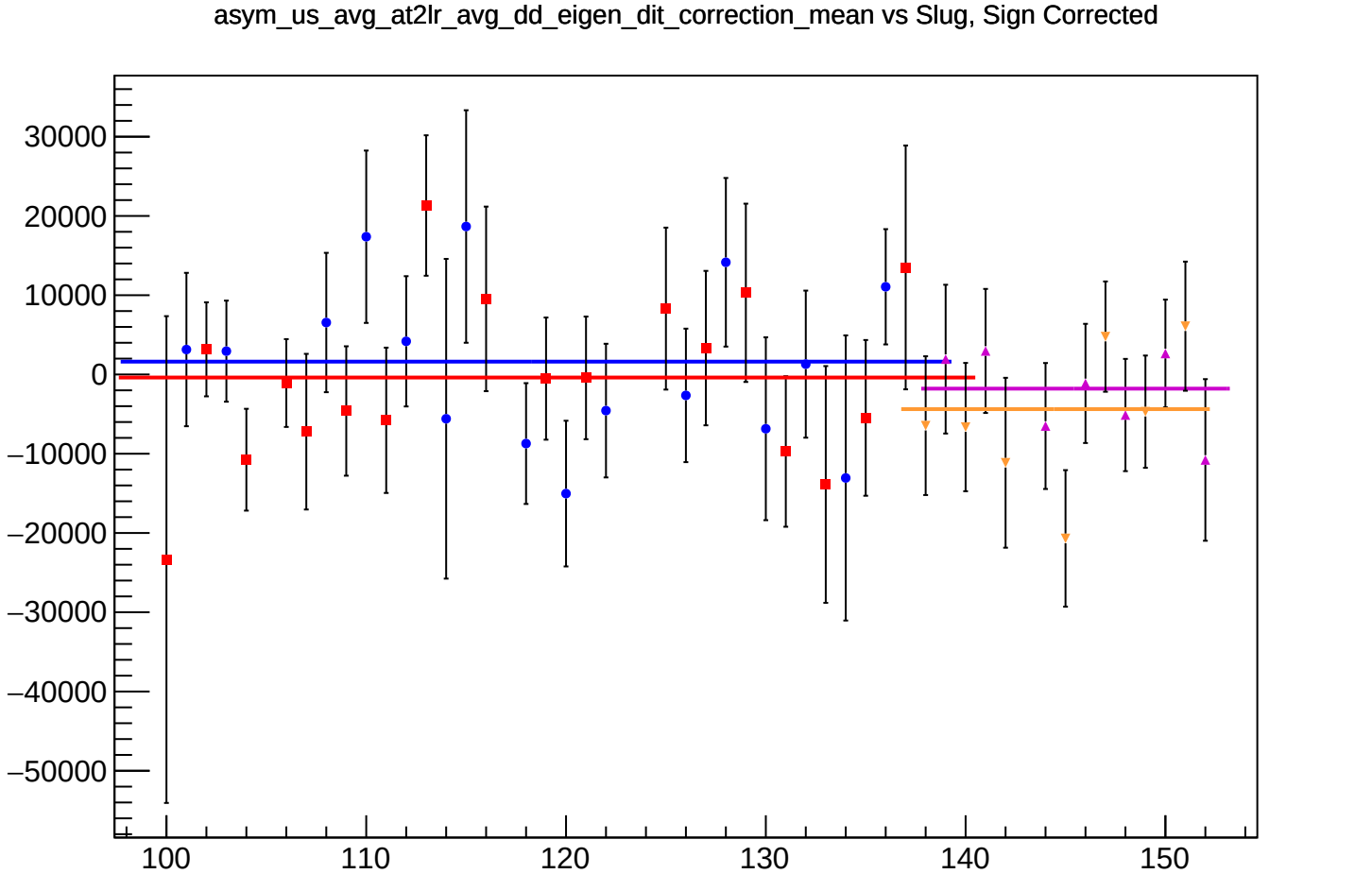
Left: 1805.188+/-0.378 χ^2/NDF: 159470.4/13

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1630.635+/-0.320 χ^2/NDF:733036.3/22

Out: 1611.935+/-0.328 χ^2/NDF:627823.1/24

All: 1621.514+/-0.229 χ^2/NDF: 1362523.9/47



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: -1788.388+/-2982.373 χ^2/NDF:2.3/6

Left: -3043.897+/-2138.866 χ^2/NDF: 10.2/13

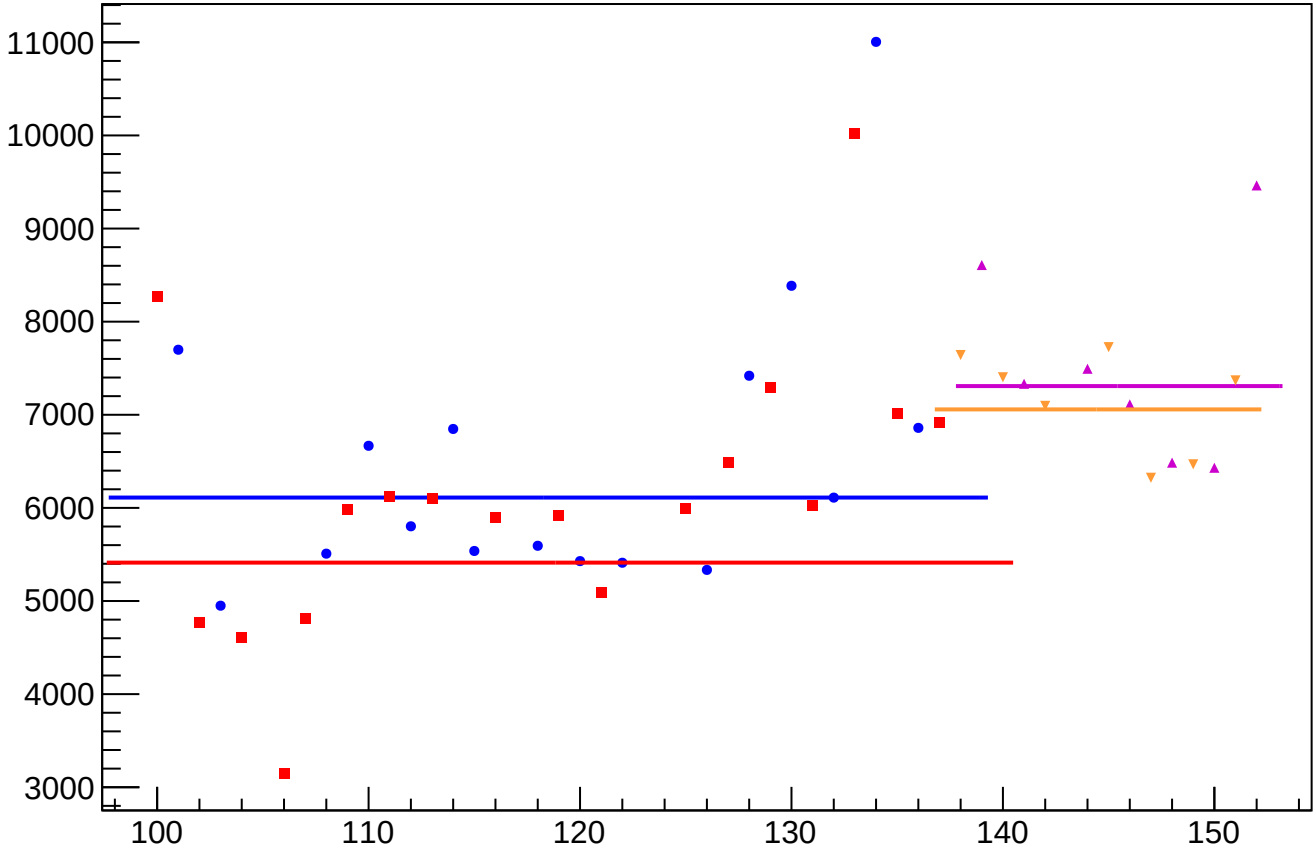
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 335.045+/-1831.198 χ^2/NDF:17.4/22

Out: -1625.154+/-1710.928 χ^2/NDF:24.7/24

All: -711.535+/-1250.167 χ^2/NDF: 42.7/47

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: 7308.187+/-2.109 χ^2/NDF:190495.2/6

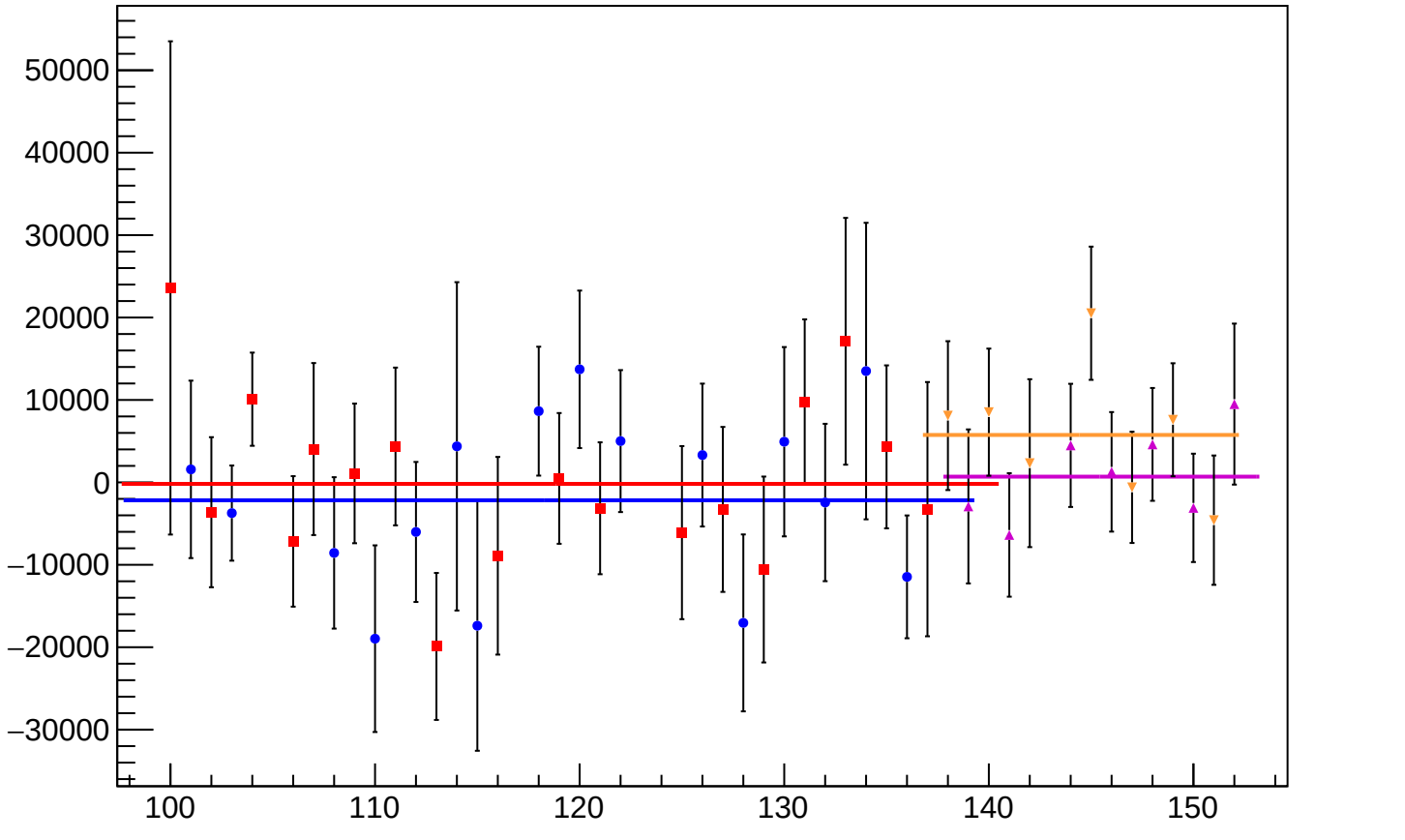
Left: 7186.558+/-1.512 χ^2/NDF: 261006.5/13

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6562.360+/-1.295 χ^2/NDF:862928.2/22

Out: 5923.630+/-1.210 χ^2/NDF:1281431.8/24

All: 6221.332+/-0.884 χ^2/NDF: 2274277.0/47



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 5752.970+/-2968.454 χ^2/NDF:6.3/6

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: 693.811+/-2872.886 χ^2/NDF:2.8/6

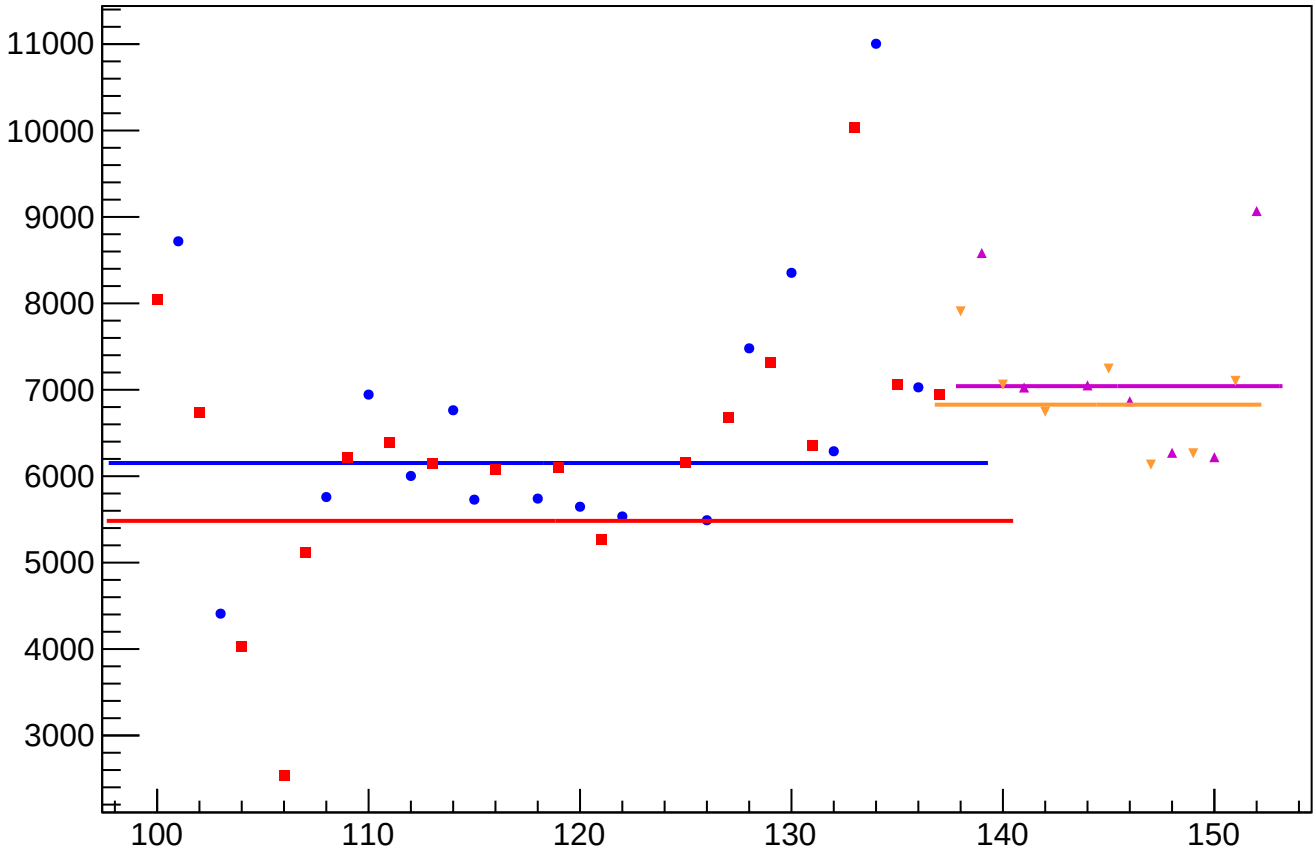
Left: 3140.641+/-2064.397 χ^2/NDF: 10.6/13

Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -1025.753+/-1817.884 χ^2/NDF:18.0/22

Out: 1956.714+/-1782.373 χ^2/NDF:23.6/24

All: 494.895+/-1272.697 χ^2/NDF: 42.9/47



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 6827.857+/-2.099 χ^2/NDF:72907.4/6

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7042.021+/-2.031 χ^2/NDF:198277.1/6

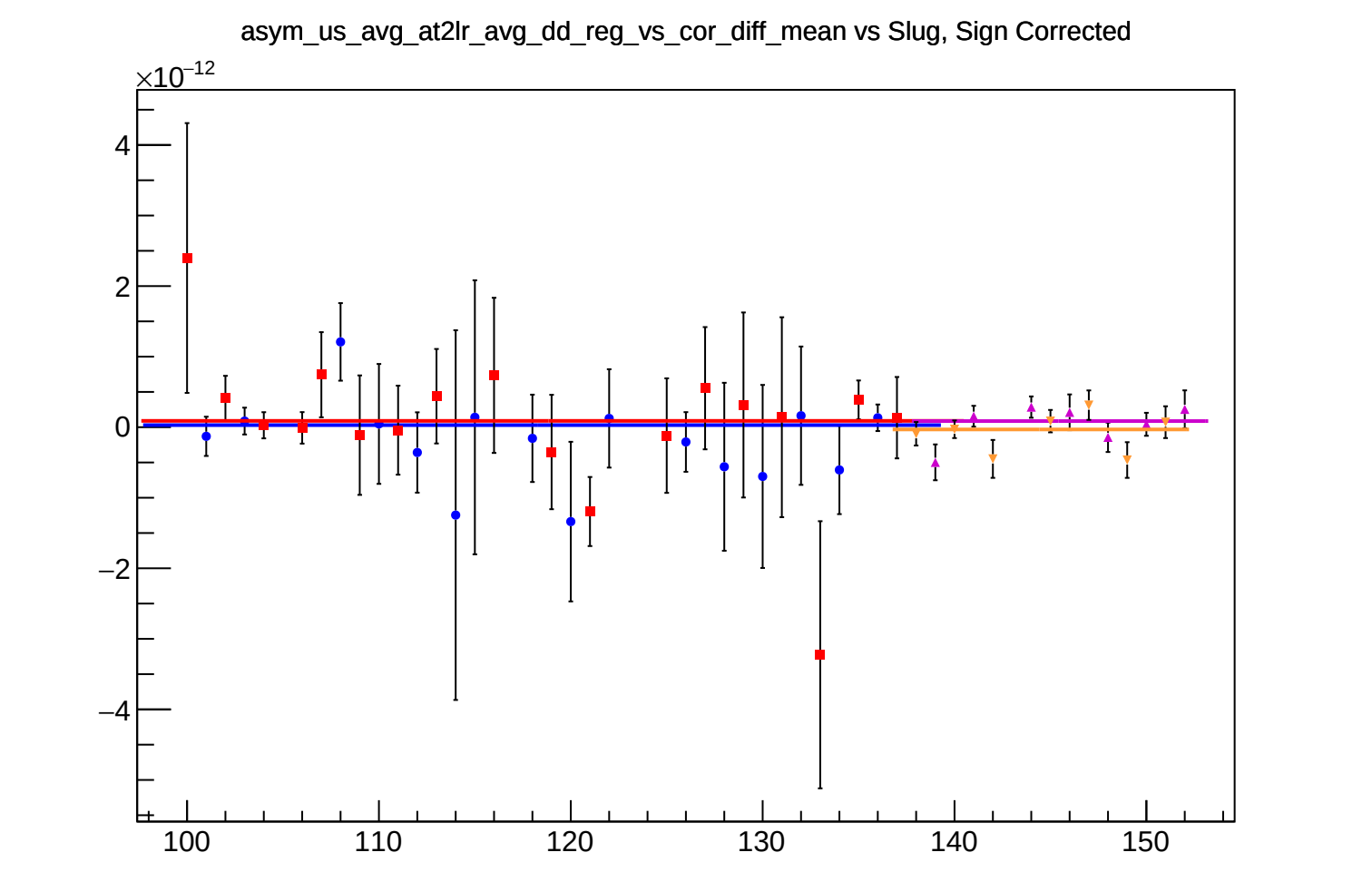
Left: 6938.442+/-1.460 χ^2/NDF: 276560.0/13

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 6508.777+/-1.285 χ^2/NDF:937220.4/22

Out: 5945.637+/-1.231 χ^2/NDF:1490843.9/24

All: 6214.990+/-0.889 χ^2/NDF: 2528190.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.0/6

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:9.2/6

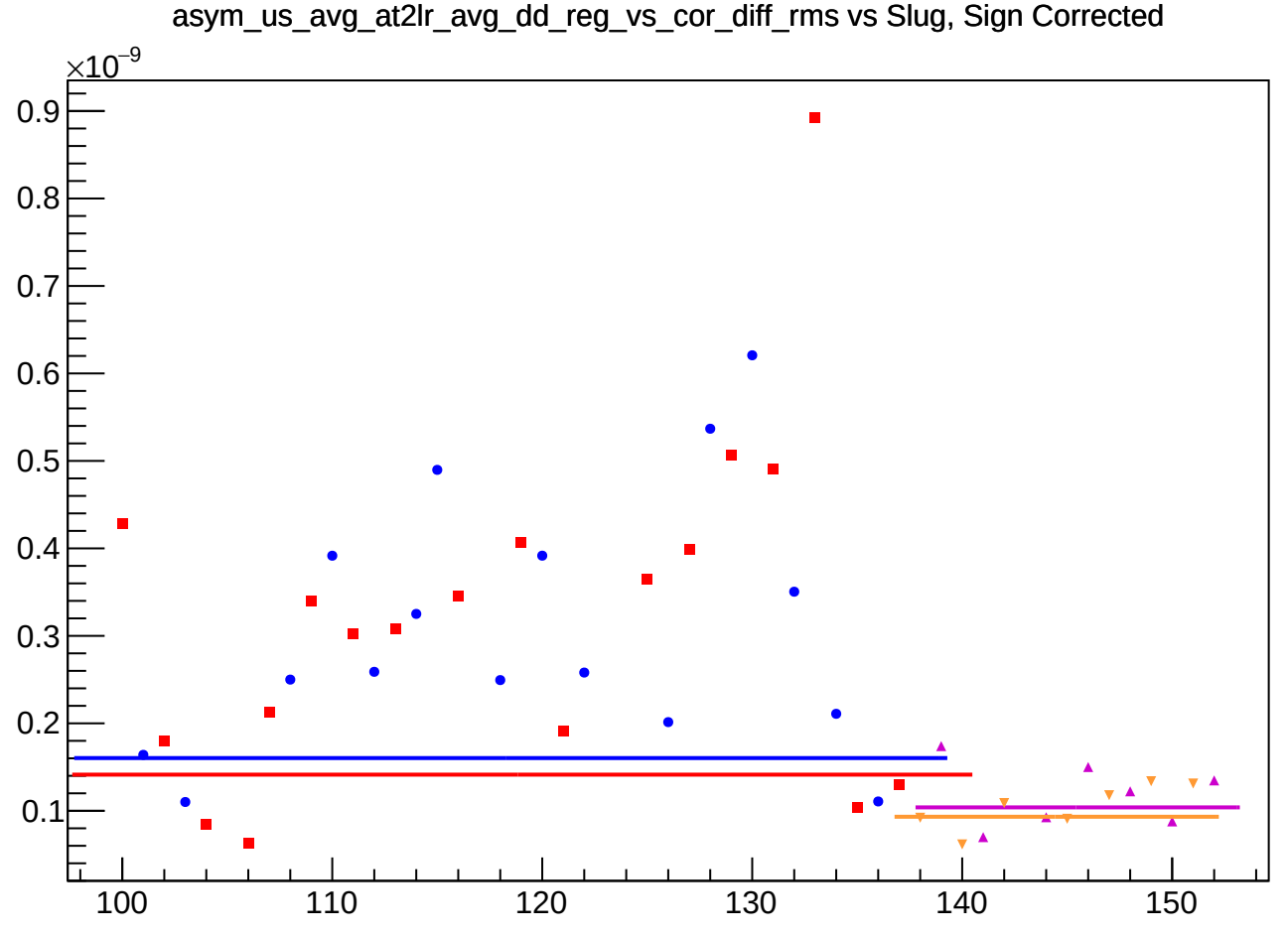
Left: 0.000+/-0.000 χ^2/NDF: 19.6/13

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:18.9/22

Out: 0.000+/-0.000 χ^2/NDF:26.4/24

All: 0.000+/-0.000 χ^2/NDF: 45.9/47



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:396892.2/6

Left: 0.000+/-0.000 χ^2/NDF: 692052.1/13

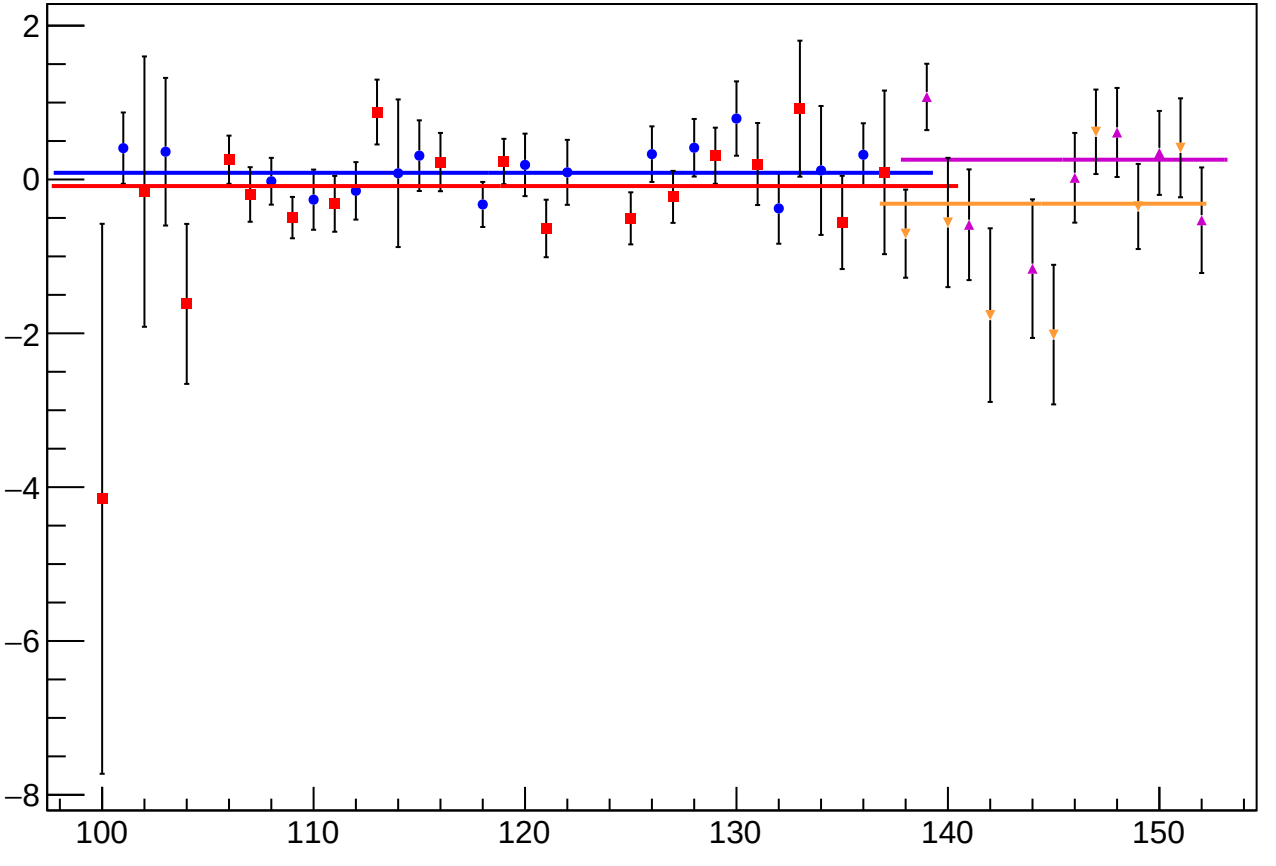
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2127075.7/22

Out: 0.000+/-0.000 χ^2/NDF:2742083.0/24

All: 0.000+/-0.000 χ^2/NDF: 4927479.2/47

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: 0.257+/-0.224 χ^2/NDF:9.3/6

Left: 0.007+/-0.168 χ^2/NDF: 22.0/13

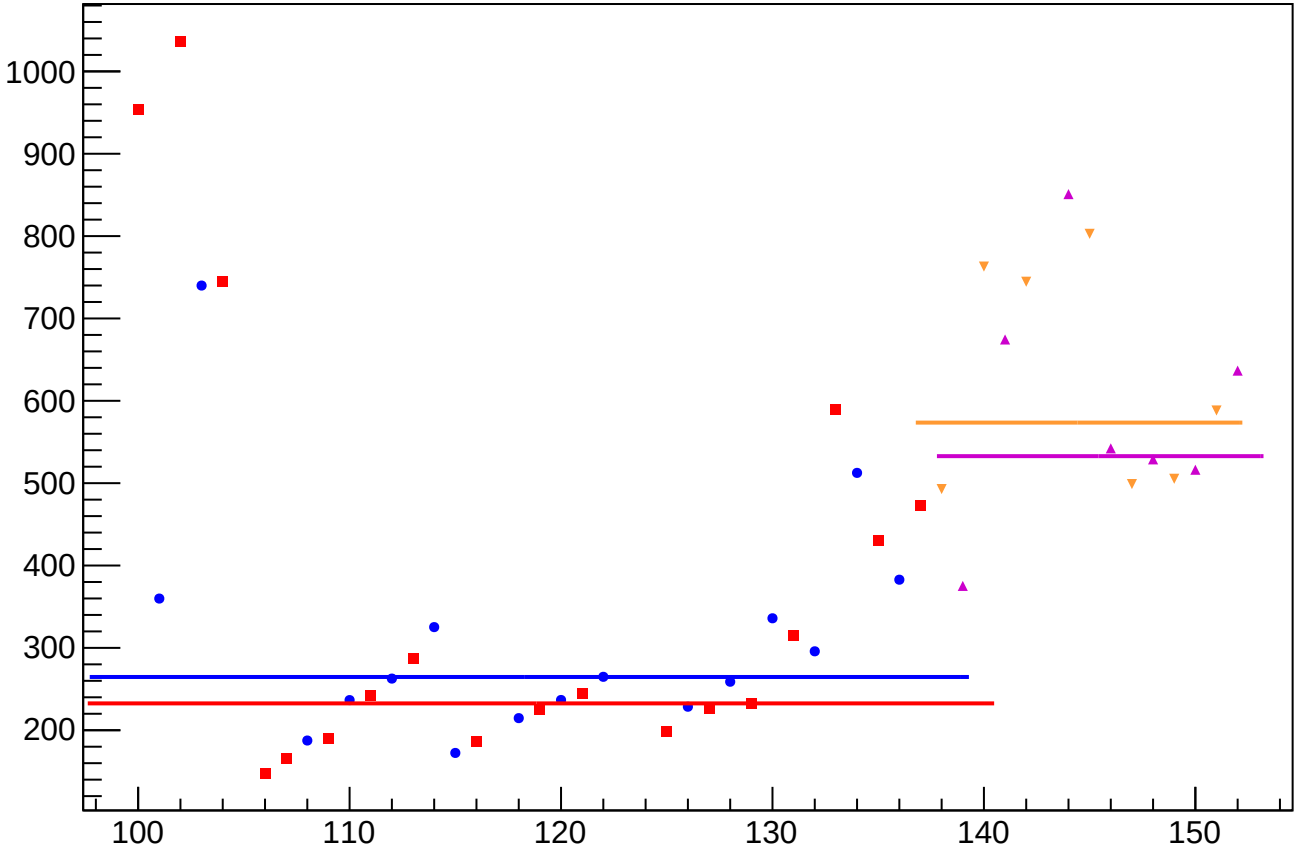
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.118+/-0.095 χ^2/NDF:18.6/22

Out: -0.115+/-0.091 χ^2/NDF:32.4/24

All: -0.004+/-0.066 χ^2/NDF: 54.2/47

asym_us_avg_at2lr_avg_dd_dit_vs_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: 532.807+/-0.158 χ^2/NDF:642159.7/6

Left: 550.599+/-0.119 χ^2/NDF: 1054323.8/13

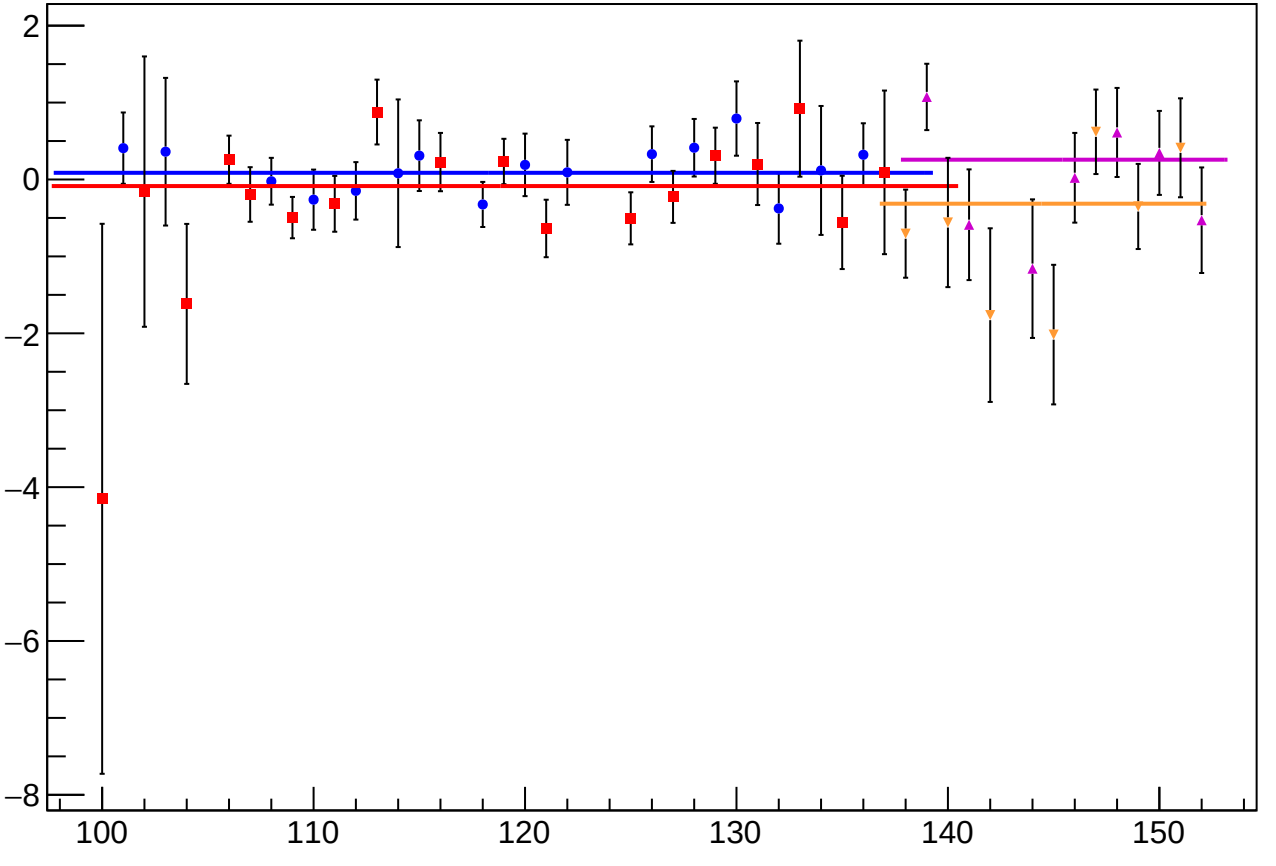
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 313.052+/-0.067 χ^2/NDF:4276192.8/22

Out: 276.157+/-0.064 χ^2/NDF:5551142.1/24

All: 293.768+/-0.046 χ^2/NDF: 9984581.8/47

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: 0.257+/-0.224 χ^2/NDF:9.3/6

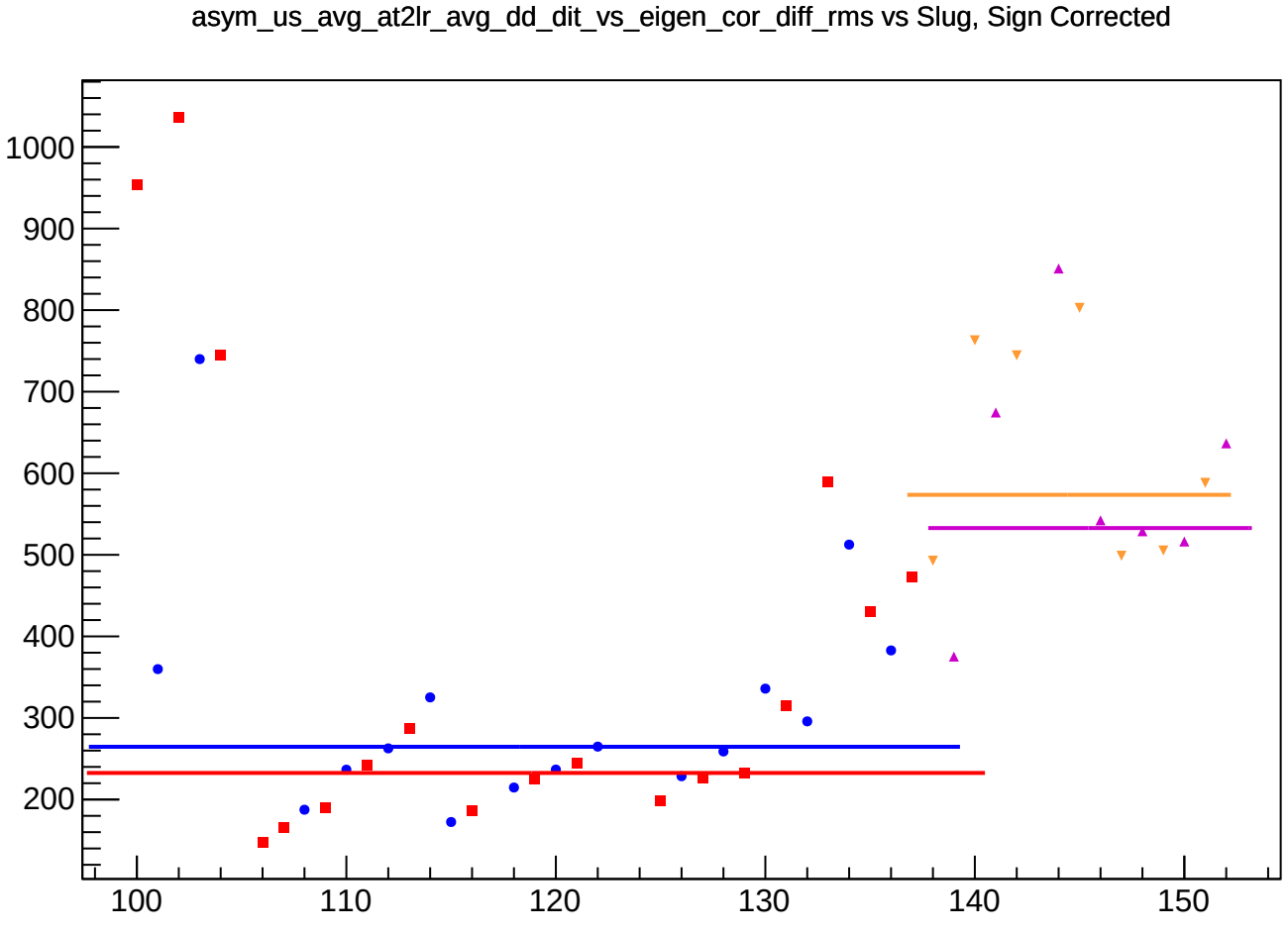
Left: 0.007+/-0.168 χ^2/NDF: 22.0/13

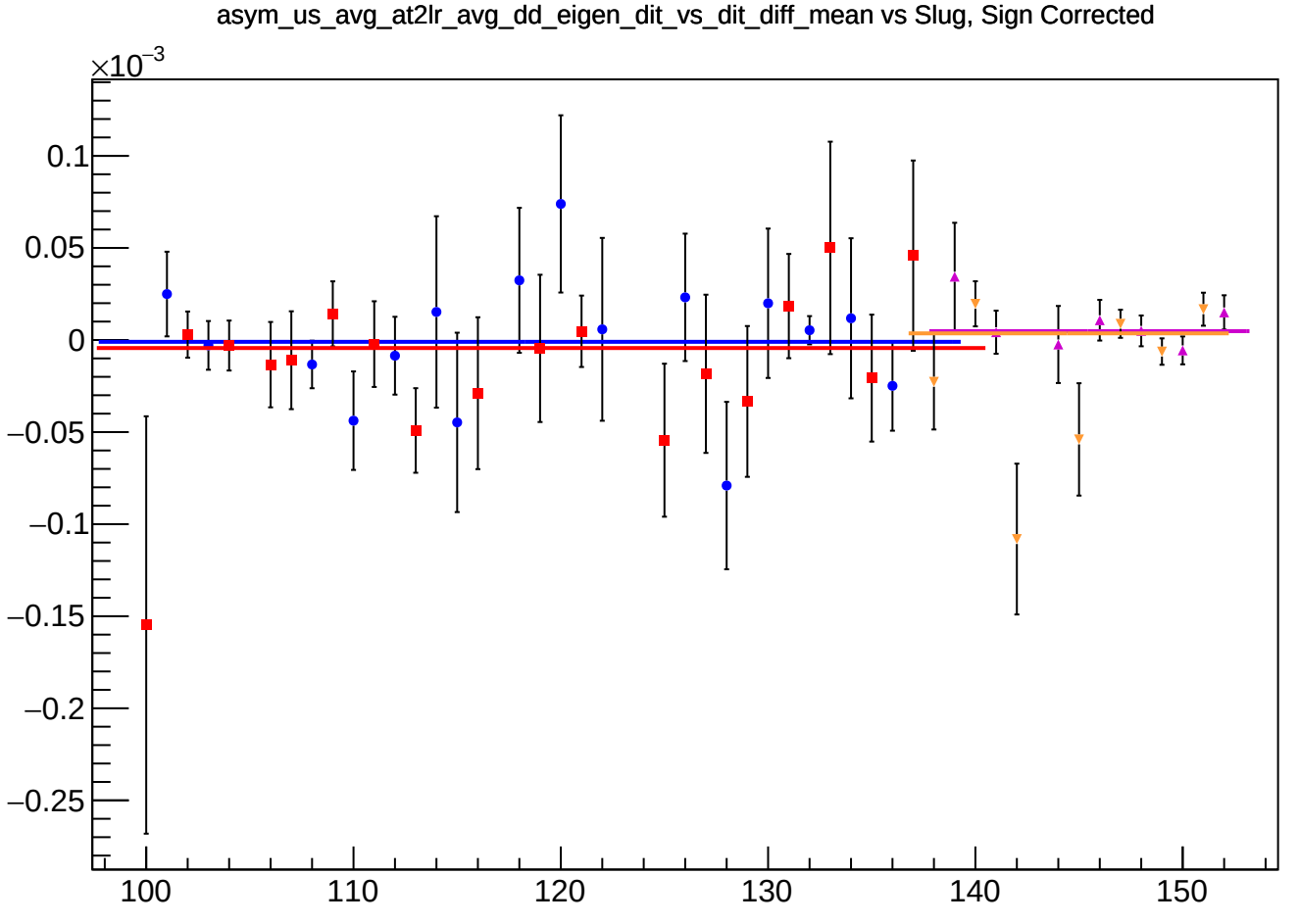
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.118+/-0.095 χ^2/NDF:18.6/22

Out: -0.115+/-0.091 χ^2/NDF:32.4/24

All: -0.004+/-0.066 χ^2/NDF: 54.2/47


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 573.548+/-0.180 χ²/NDF:383255.6/6
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 532.807+/-0.158 χ²/NDF:642159.7/6
Left: 550.599+/-0.119 χ²/NDF: 1054323.8/13
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 313.052+/-0.067 χ²/NDF:4276192.8/22
Out: 276.157+/-0.064 χ²/NDF:5551142.1/24
All: 293.768+/-0.046 χ²/NDF: 9984581.8/47



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:4.5/6

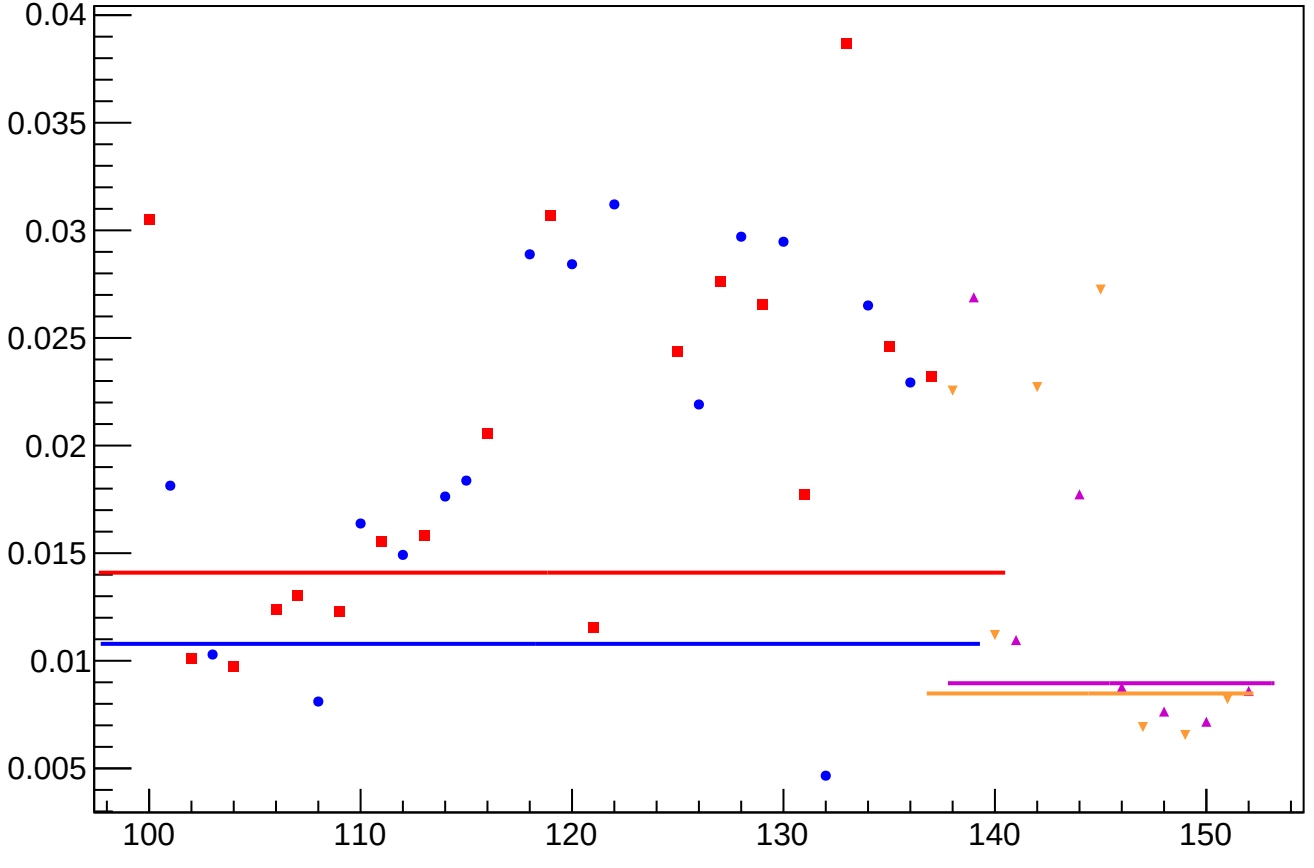
Left: 0.000+/-0.000 χ^2/NDF: 22.8/13

Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:19.7/22

Out: 0.000+/-0.000 χ^2/NDF:32.1/24

All: 0.000+/-0.000 χ^2/NDF: 52.0/47



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:1326602.3/6

Left: 0.009+/-0.000 χ^2/NDF: 3258877.2/13

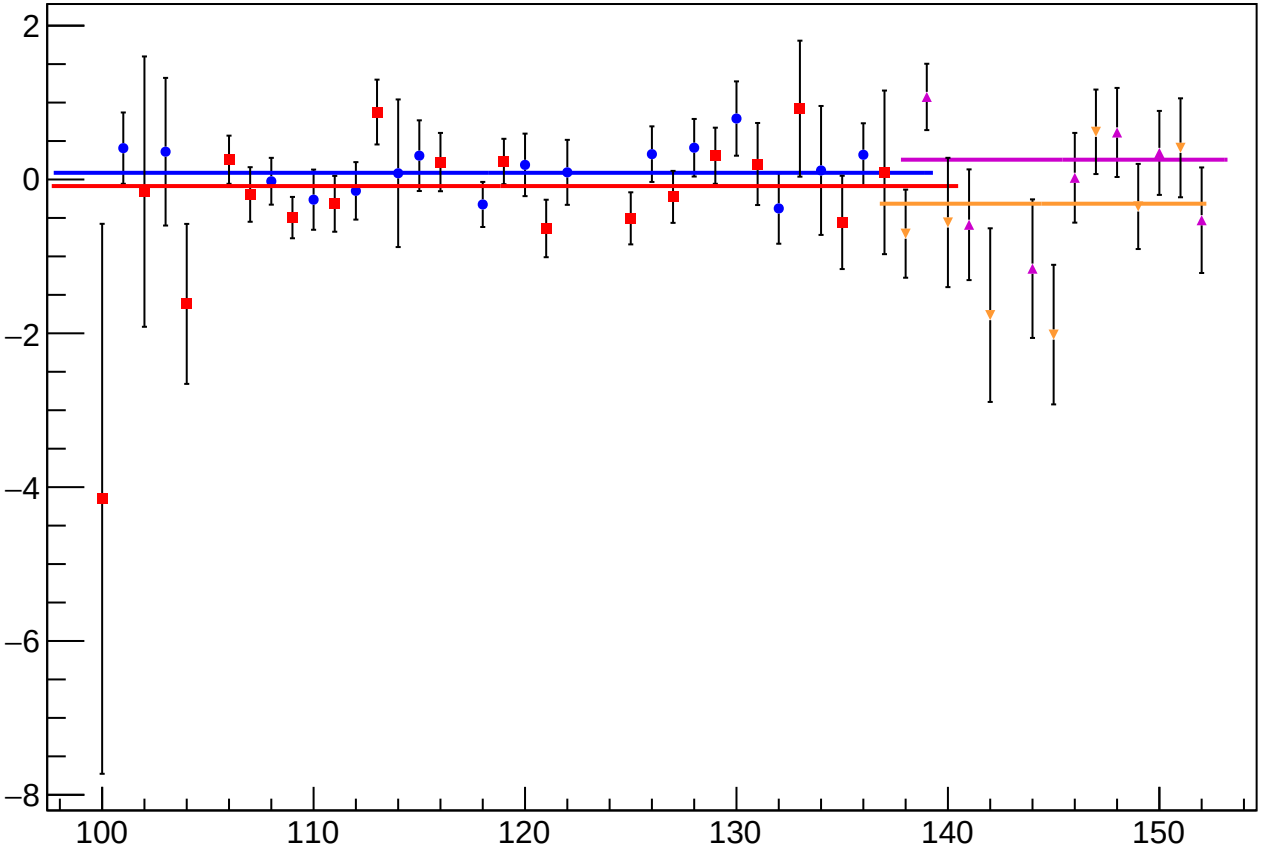
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:6071214.9/22

Out: 0.010+/-0.000 χ^2/NDF:5269365.2/24

All: 0.010+/-0.000 χ^2/NDF: 11389229.0/47

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: 0.257+/-0.224 χ^2/NDF:9.3/6

Left: 0.007+/-0.168 χ^2/NDF: 22.1/13

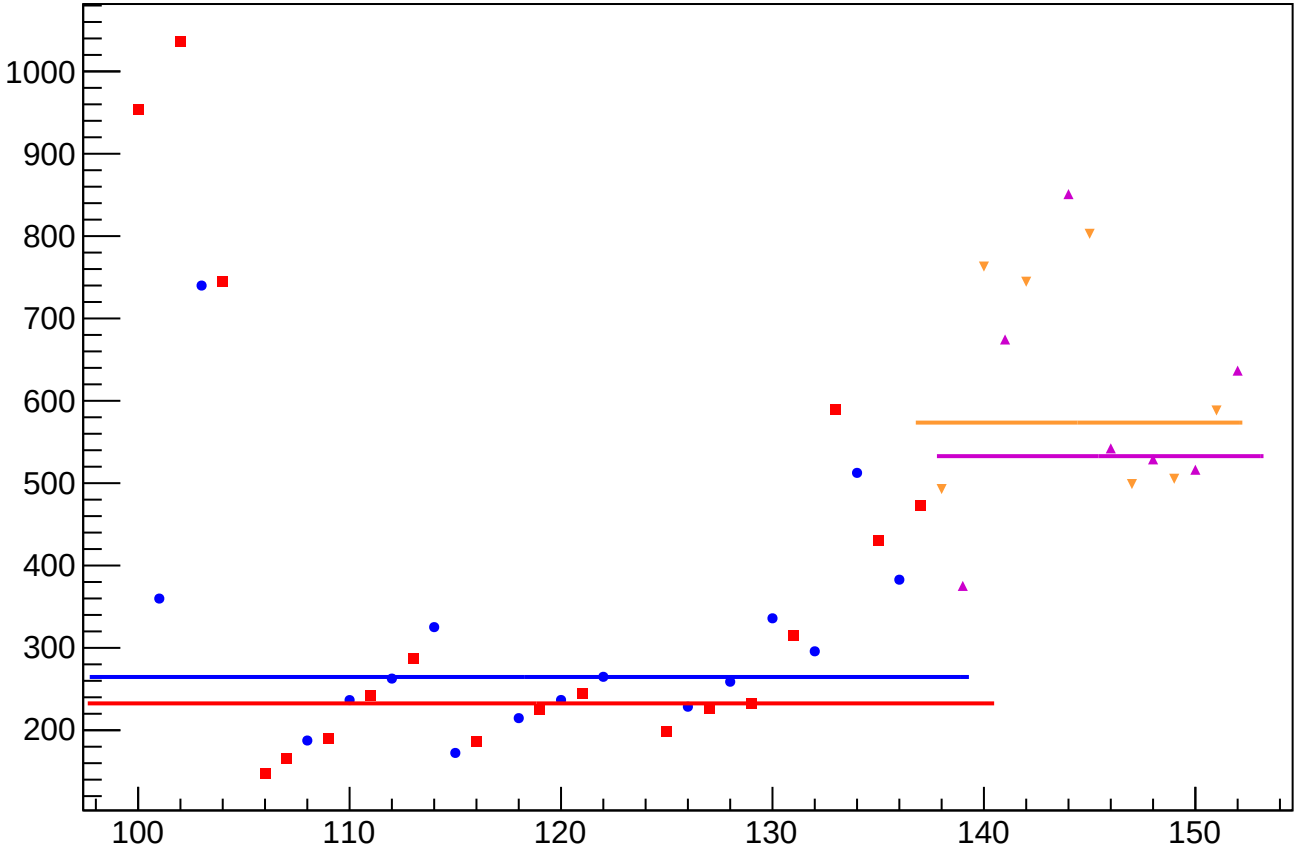
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.118+/-0.095 χ^2/NDF:18.6/22

Out: -0.115+/-0.091 χ^2/NDF:32.4/24

All: -0.004+/-0.066 χ^2/NDF: 54.2/47

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: 532.815+/-0.158 χ^2/NDF:642133.0/6

Left: 550.606+/-0.119 χ^2/NDF: 1054296.8/13

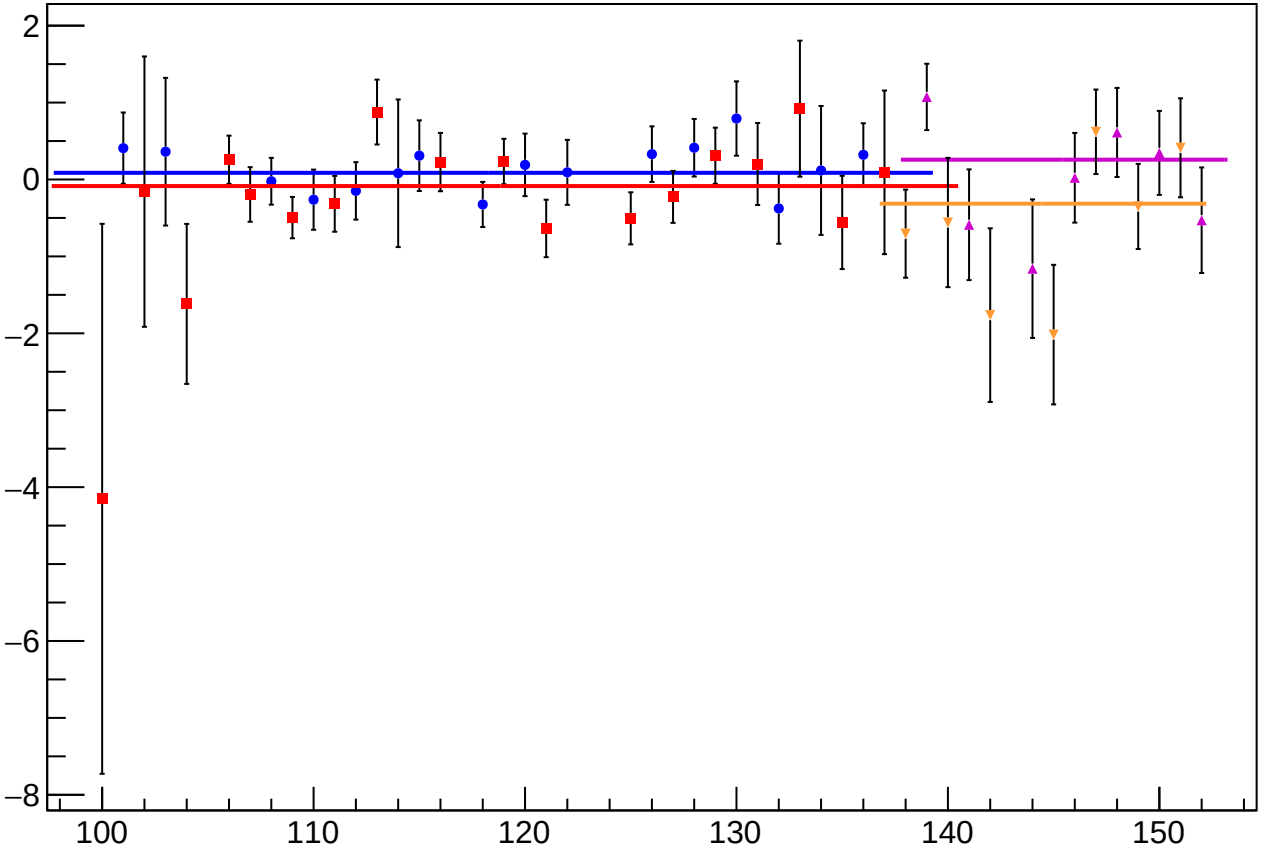
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 313.051+/-0.067 χ^2/NDF:4276222.5/22

Out: 276.158+/-0.064 χ^2/NDF:5551174.3/24

All: 293.768+/-0.046 χ^2/NDF: 9984637.2/47

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: 0.257+/-0.224 χ^2/NDF:9.3/6

Left: 0.007+/-0.168 χ^2/NDF: 22.1/13

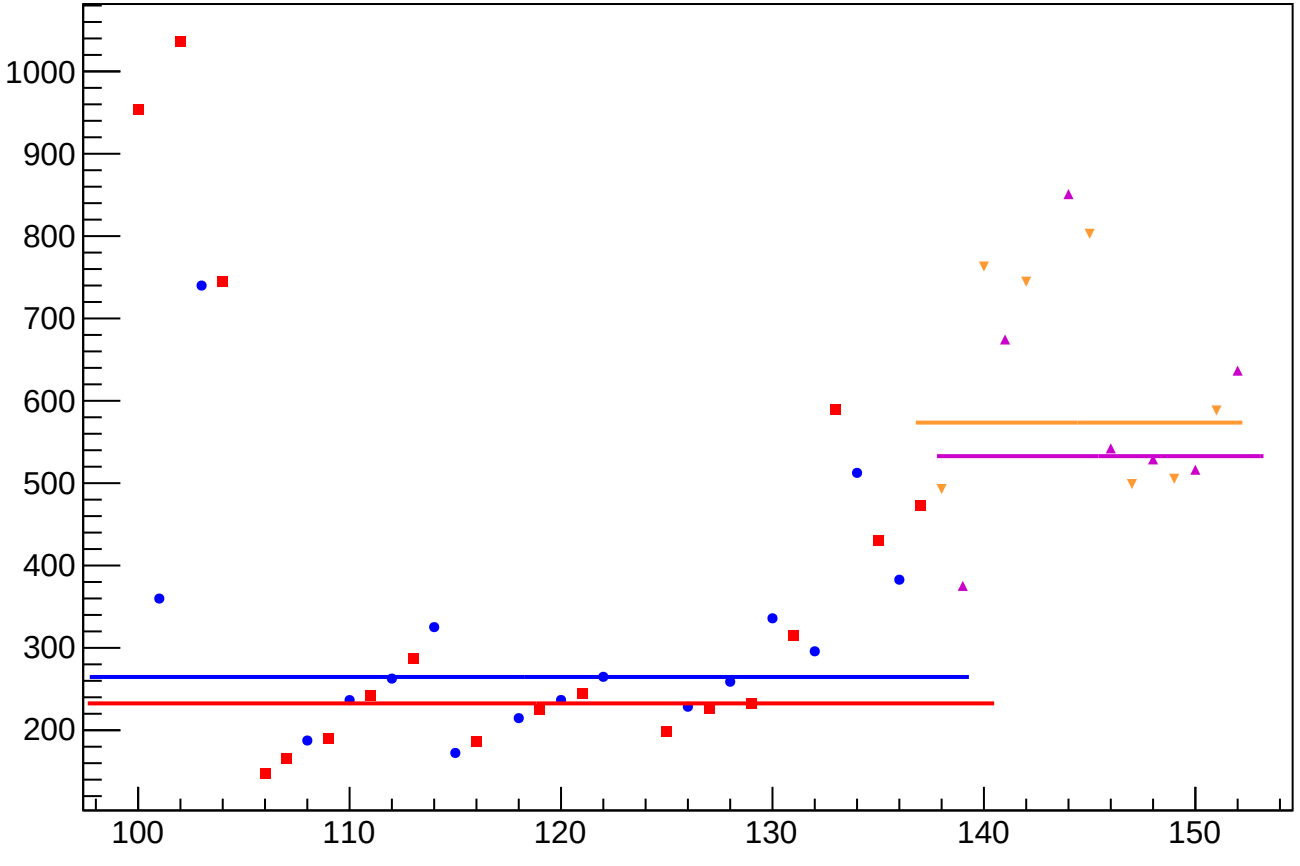
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.118+/-0.095 χ^2/NDF:18.6/22

Out: -0.115+/-0.091 χ^2/NDF:32.4/24

All: -0.004+/-0.066 χ^2/NDF: 54.2/47

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: 532.815+/-0.158 χ^2/NDF:642133.0/6

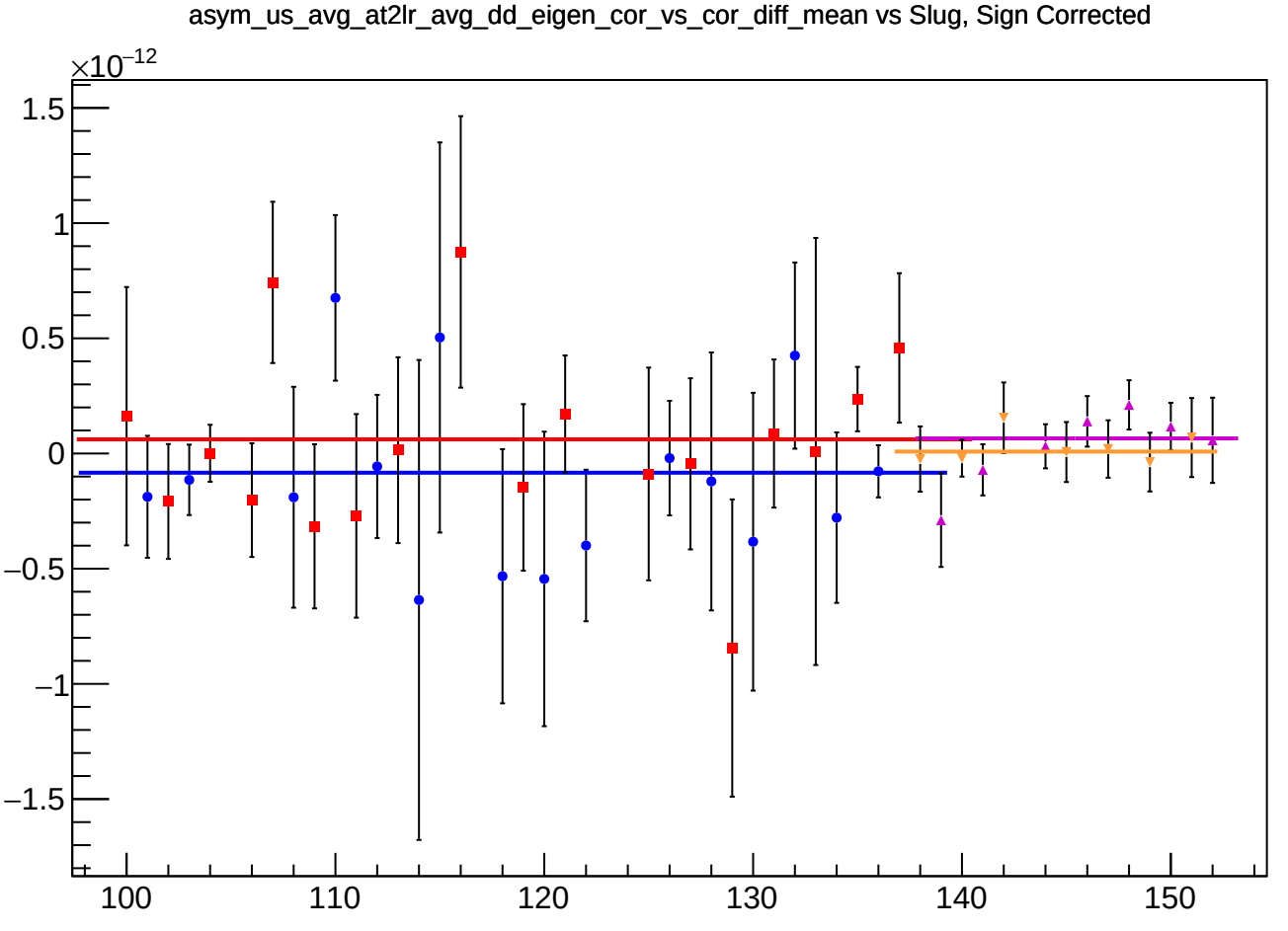
Left: 550.606+/-0.119 χ^2/NDF: 1054296.8/13

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 313.051+/-0.067 χ^2/NDF:4276222.5/22

Out: 276.158+/-0.064 χ^2/NDF:5551174.3/24

All: 293.768+/-0.046 χ^2/NDF: 9984637.2/47



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:7.3/6

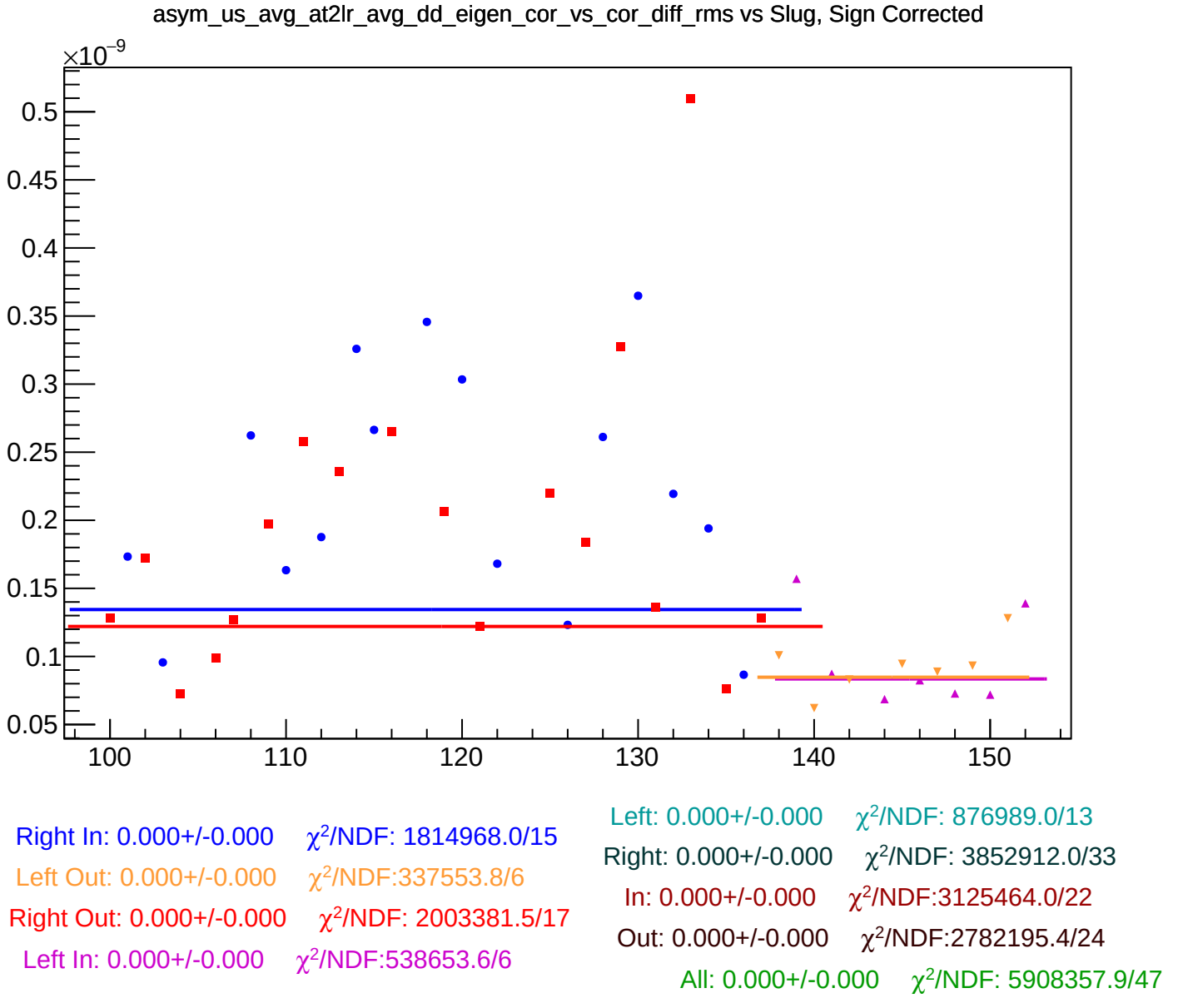
Left: 0.000+/-0.000 χ^2/NDF: 9.4/13

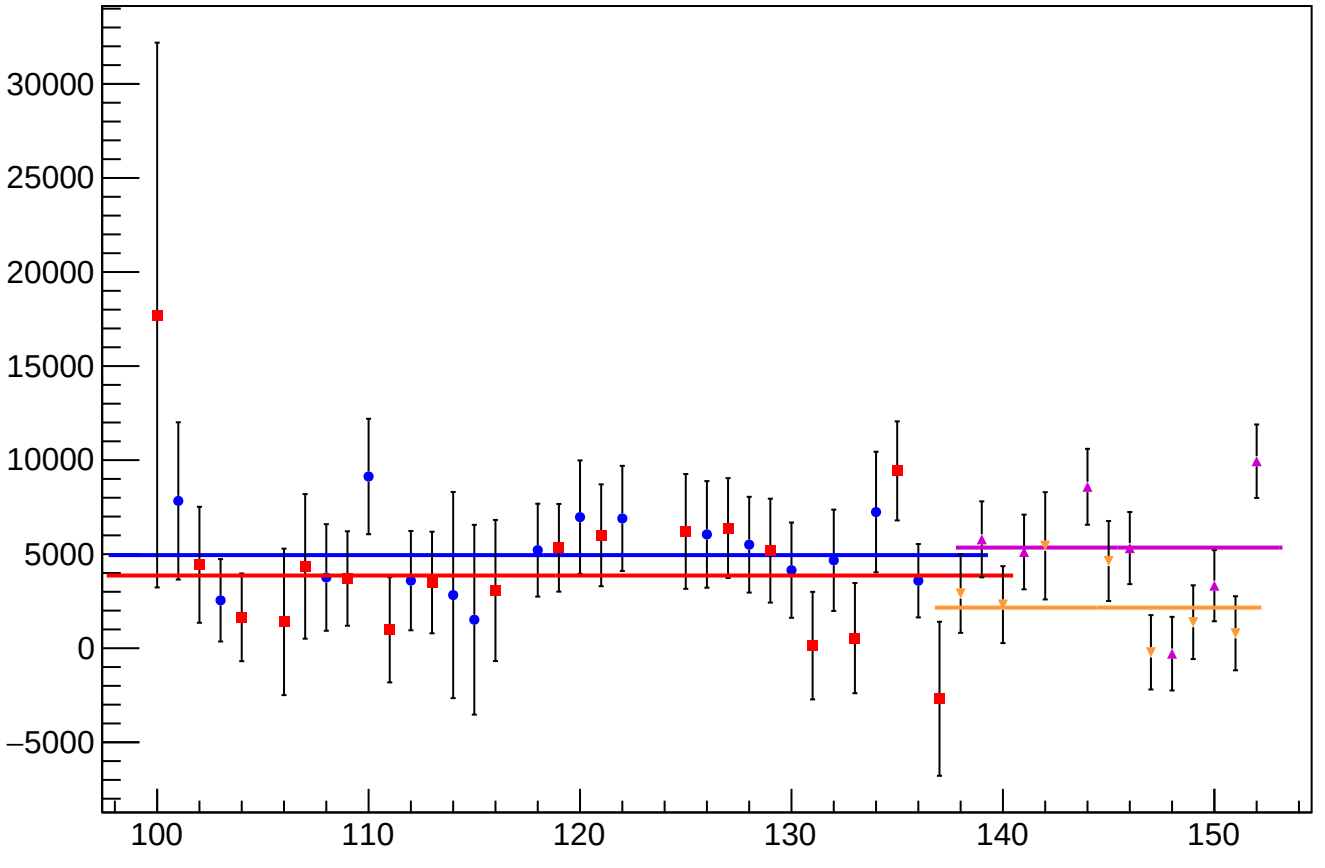
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:20.3/22

Out: 0.000+/-0.000 χ^2/NDF:17.5/24

All: 0.000+/-0.000 χ^2/NDF: 37.8/47


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:538653.6/6
Left: 0.000+/-0.000 χ²/NDF: 876989.0/13
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:3125464.0/22
Out: 0.000+/-0.000 χ²/NDF:2782195.4/24
All: 0.000+/-0.000 χ²/NDF: 5908357.9/47



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: 5350.169+/-741.470 χ^2/NDF:17.6/6

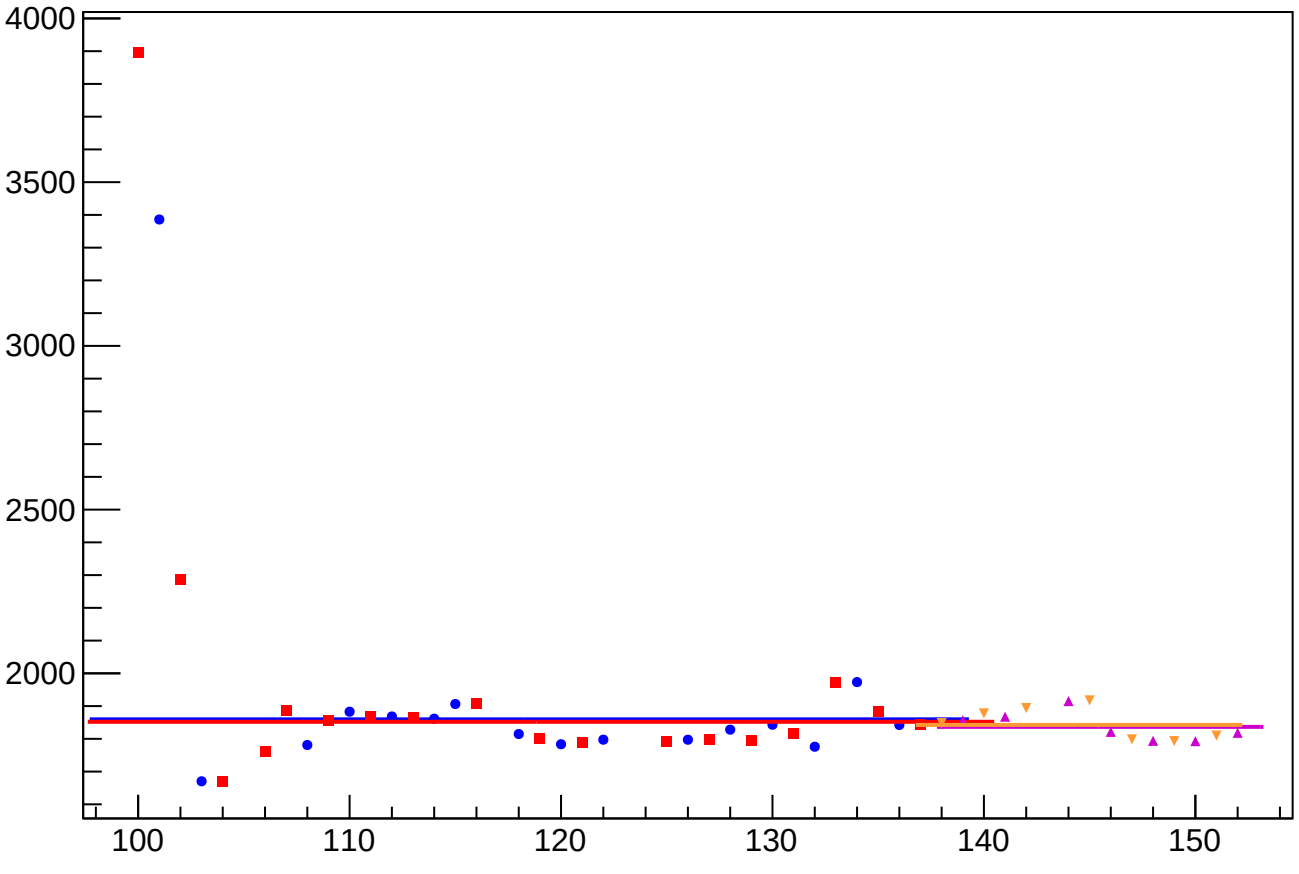
Left: 3863.947+/-541.978 χ^2/NDF: 31.1/13

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 5138.448+/-508.595 χ^2/NDF:24.6/22

Out: 3124.214+/-523.345 χ^2/NDF:23.7/24

All: 4160.116+/-364.734 χ^2/NDF: 55.9/47



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: 1836.560+/-0.524 χ^2/NDF:6045.7/6

Left: 1839.334+/-0.383 χ^2/NDF: 12657.1/13

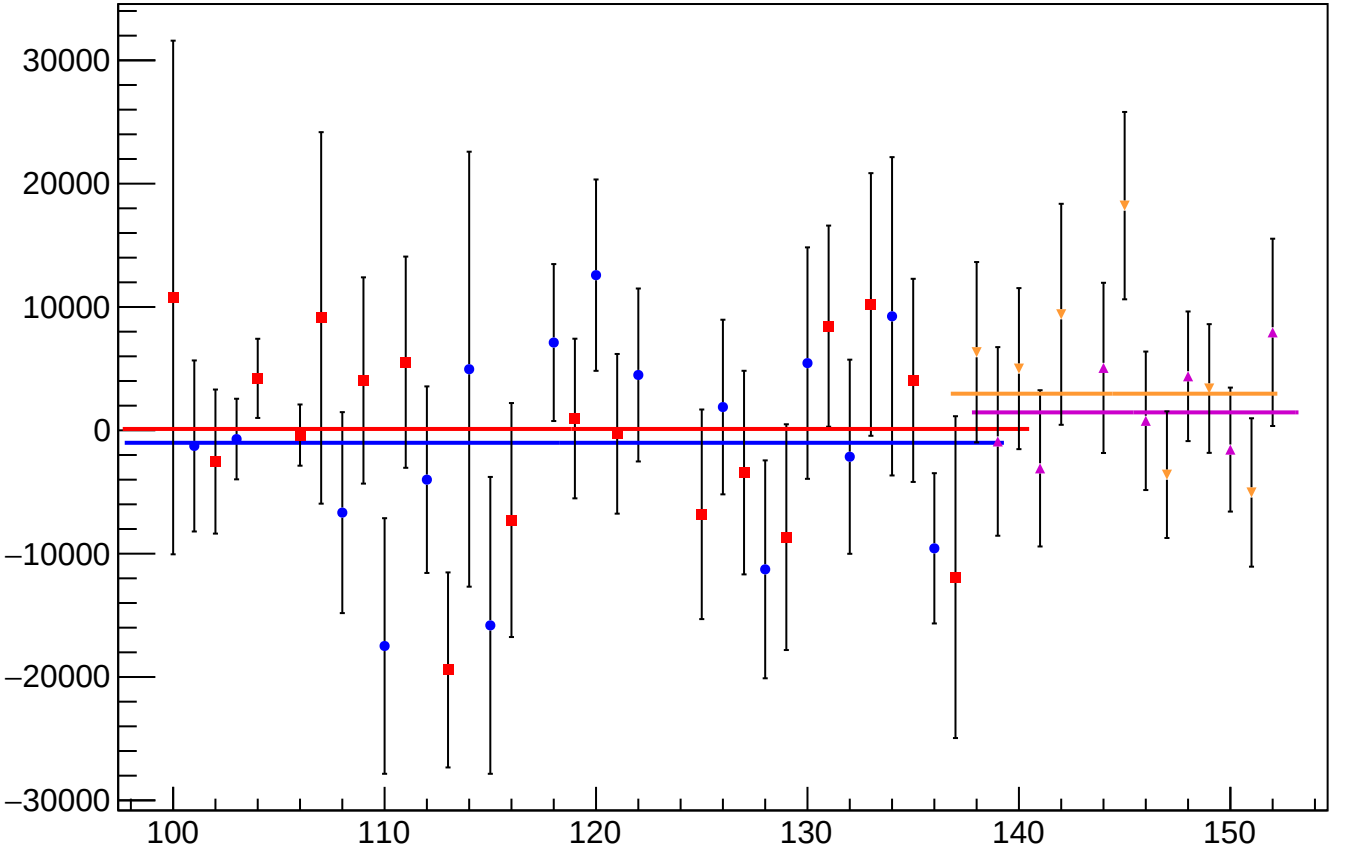
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1848.712+/-0.360 χ^2/NDF:299394.8/22

Out: 1847.933+/-0.369 χ^2/NDF:108927.7/24

All: 1848.333+/-0.258 χ^2/NDF: 408324.9/47

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 2971.166+/-2395.548 χ^2/NDF:8.3/6

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1454.748+/-2307.006 χ^2/NDF:2.3/6

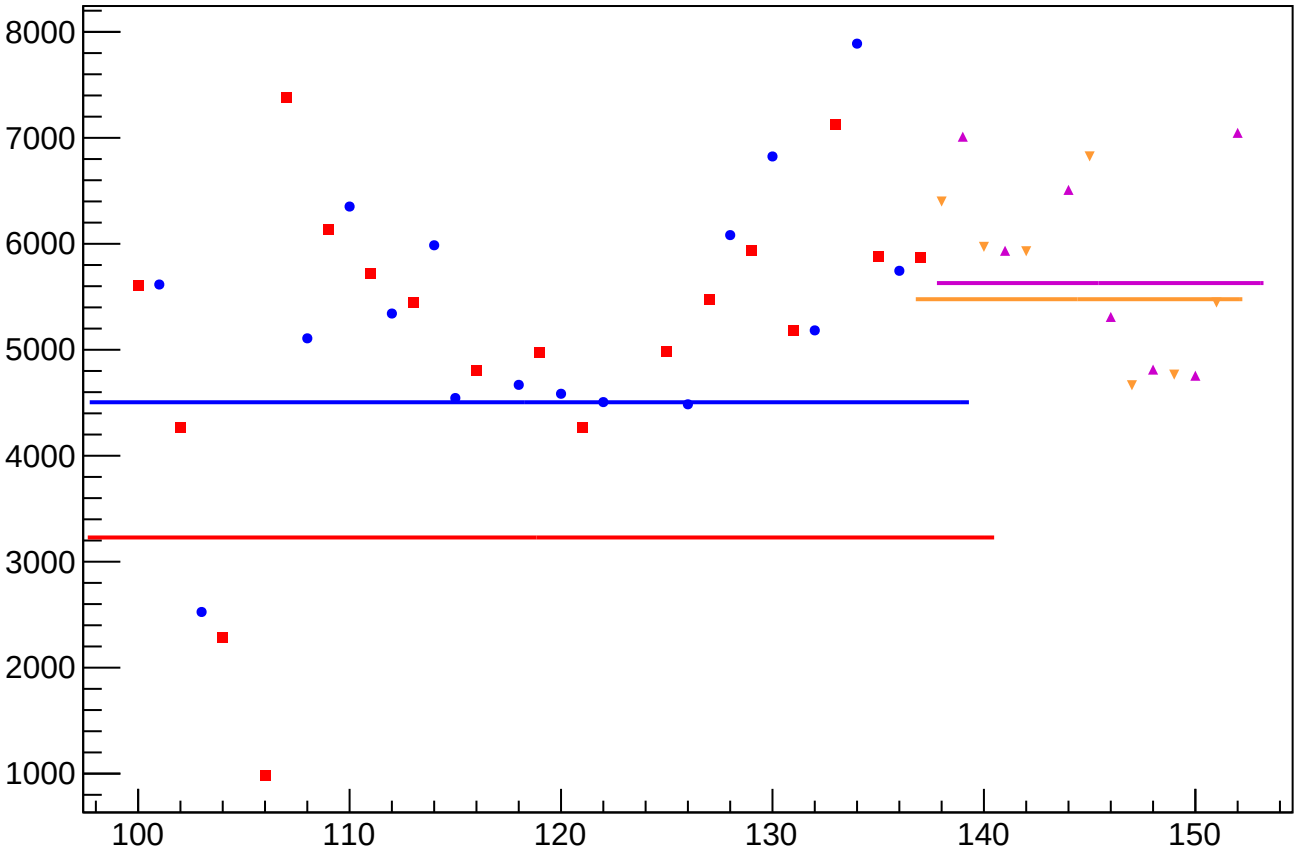
Left: 2184.416+/-1661.720 χ^2/NDF: 10.8/13

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -100.701+/-1401.391 χ^2/NDF:17.8/22

Out: 869.214+/-1233.247 χ^2/NDF:24.0/24

All: 445.906+/-925.807 χ^2/NDF: 42.0/47



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: 5629.491+/-1.631 χ^2/NDF:287394.7/6

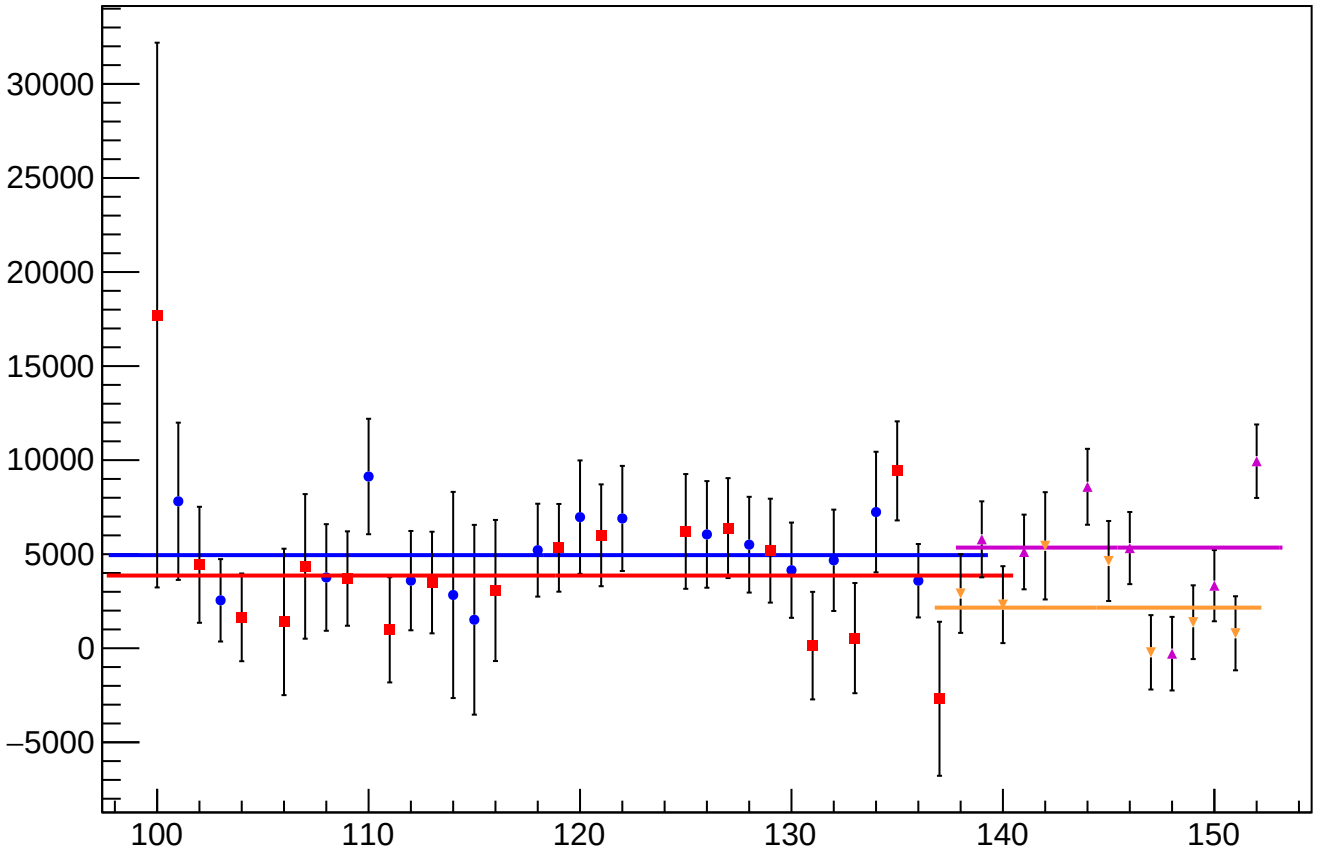
Left: 5556.220+/-1.175 χ^2/NDF: 490213.2/13

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 4919.798+/-0.991 χ^2/NDF:1908443.9/22

Out: 3824.548+/-0.872 χ^2/NDF:5450173.8/24

All: 4302.557+/-0.655 χ^2/NDF: 8047079.1/47



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: 5350.460+/-741.470 χ^2/NDF:17.6/6

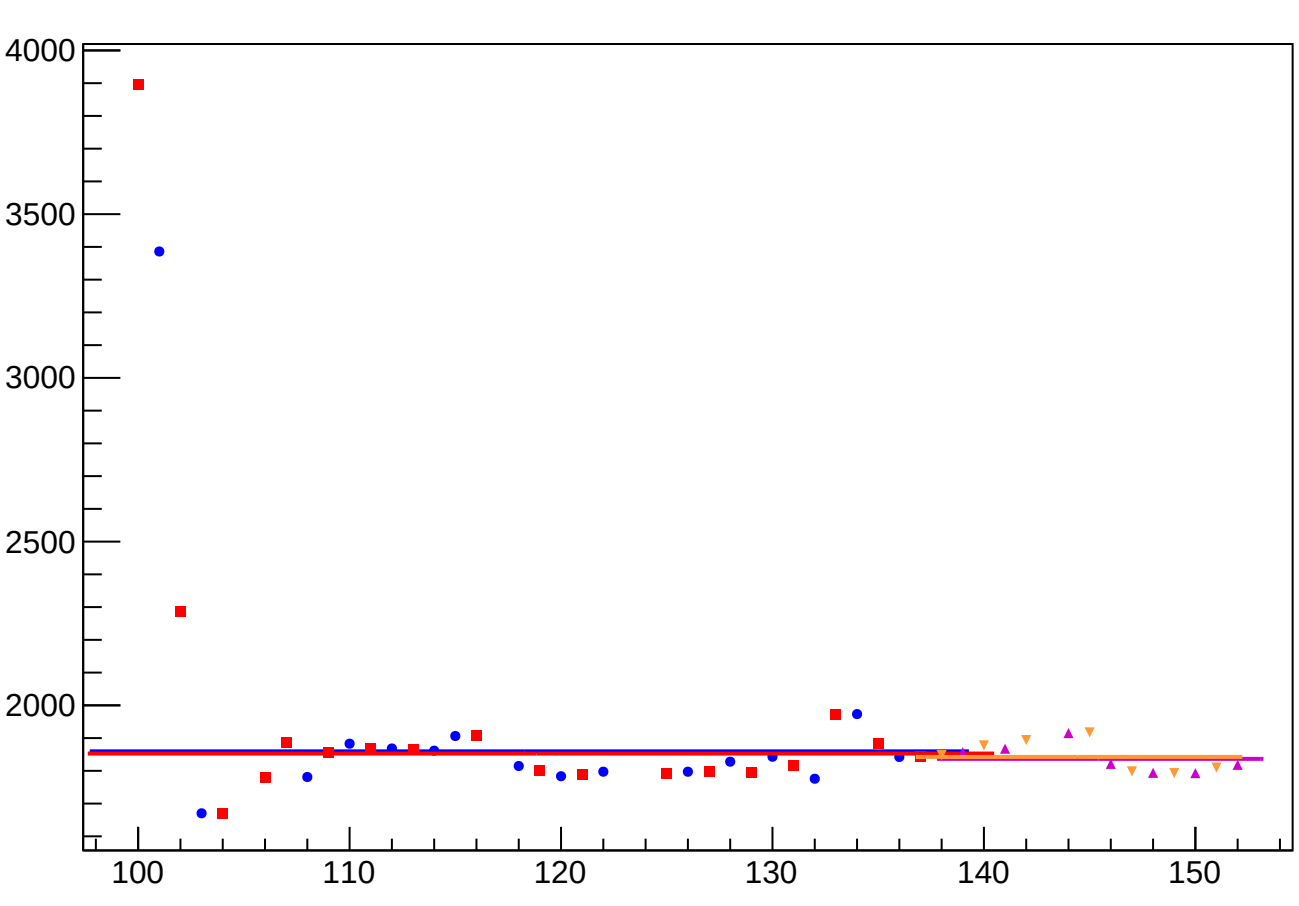
Left: 3864.031+/-541.978 χ^2/NDF: 31.1/13

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5138.330+/-508.595 χ^2/NDF:24.6/22

Out: 3124.025+/-523.345 χ^2/NDF:23.7/24

All: 4159.963+/-364.734 χ^2/NDF: 55.9/47



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: 1836.560+/-0.524 χ^2/NDF:6045.7/6

Left: 1839.334+/-0.383 χ^2/NDF: 12657.1/13

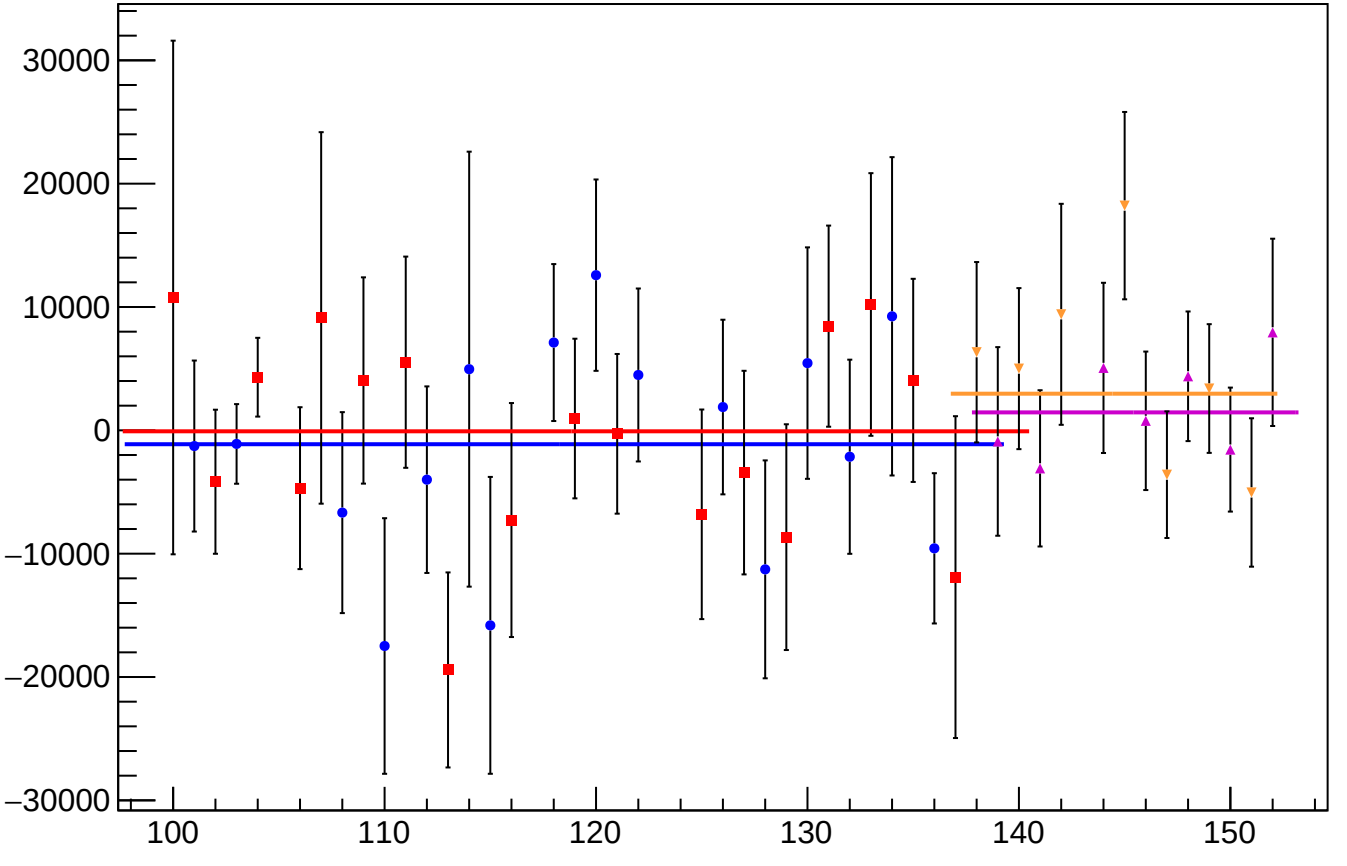
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1848.712+/-0.360 χ^2/NDF:299396.7/22

Out: 1848.331+/-0.369 χ^2/NDF:108490.8/24

All: 1848.527+/-0.258 χ^2/NDF: 407888.1/47

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: 1454.905+/-2307.006 χ^2/NDF:2.3/6

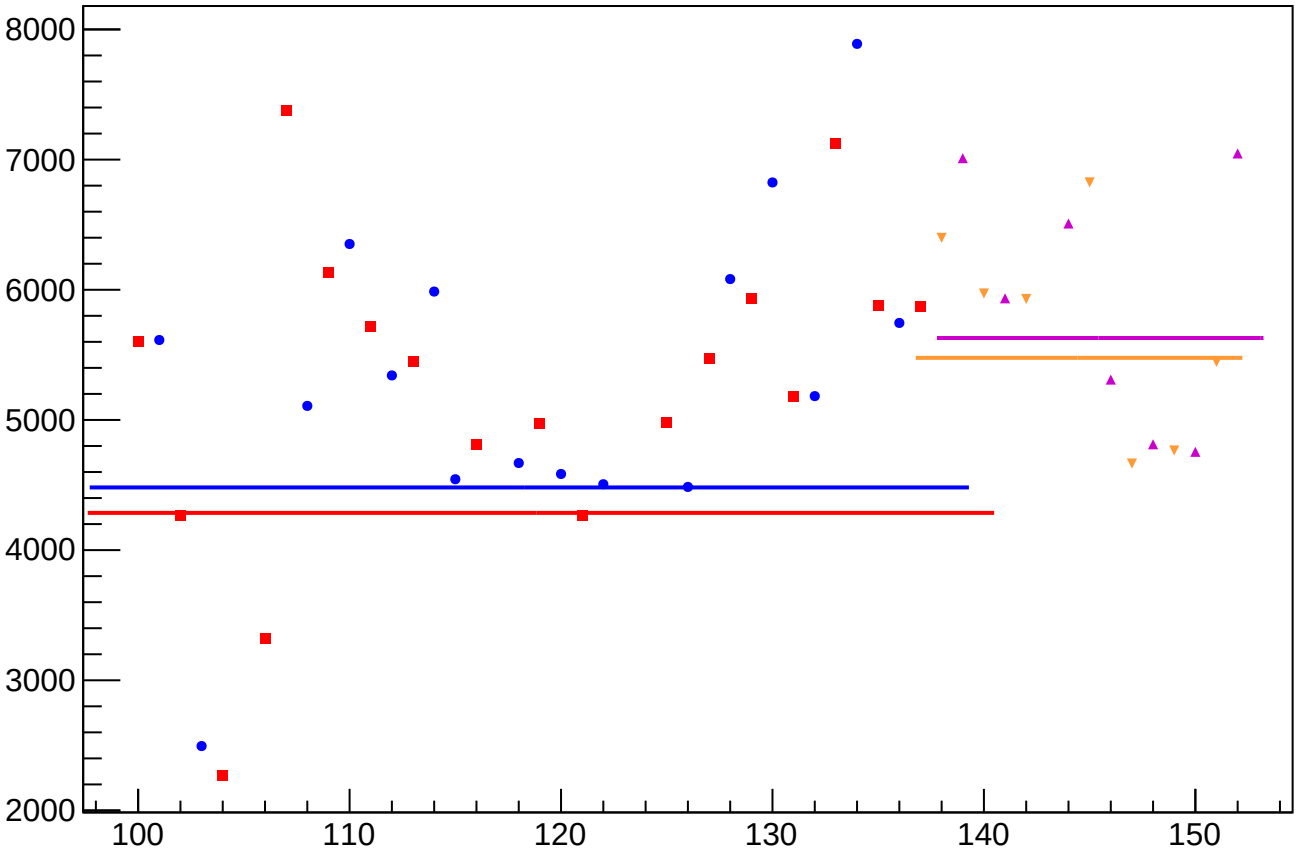
Left: 2184.434+/-1661.719 χ^2/NDF: 10.8/13

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -177.683+/-1398.225 χ^2/NDF:17.8/22

Out: 944.990+/-1387.704 χ^2/NDF:24.9/24

All: 387.893+/-984.953 χ^2/NDF: 43.0/47



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: 5629.490+/-1.631 χ^2/NDF:287397.9/6

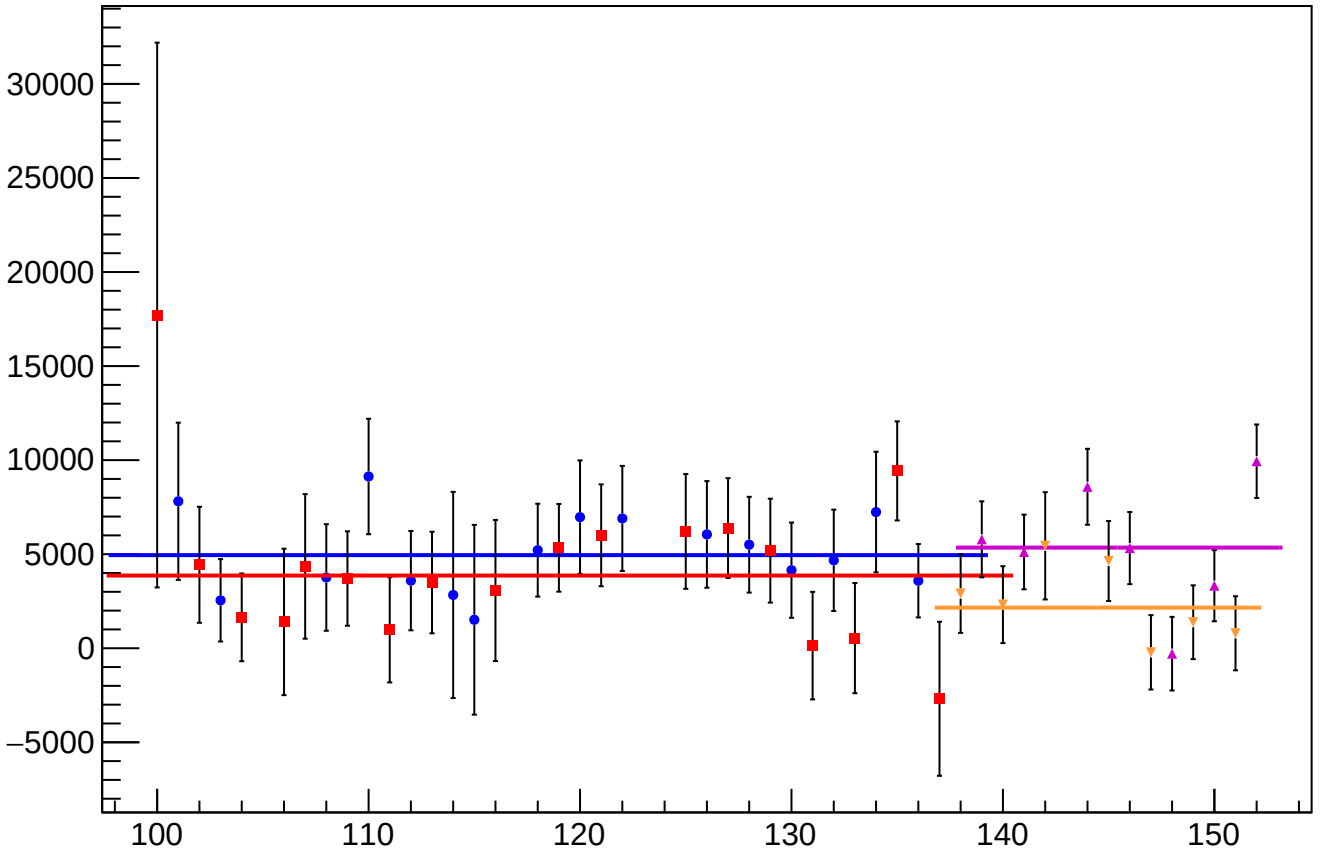
Left: 5556.215+/-1.175 χ^2/NDF: 490216.7/13

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4903.203+/-0.989 χ^2/NDF:1962961.6/22

Out: 4685.819+/-0.981 χ^2/NDF:2076991.6/24

All: 4793.690+/-0.696 χ^2/NDF: 4064307.1/47



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: 5350.460+/-741.470 χ^2/NDF:17.6/6

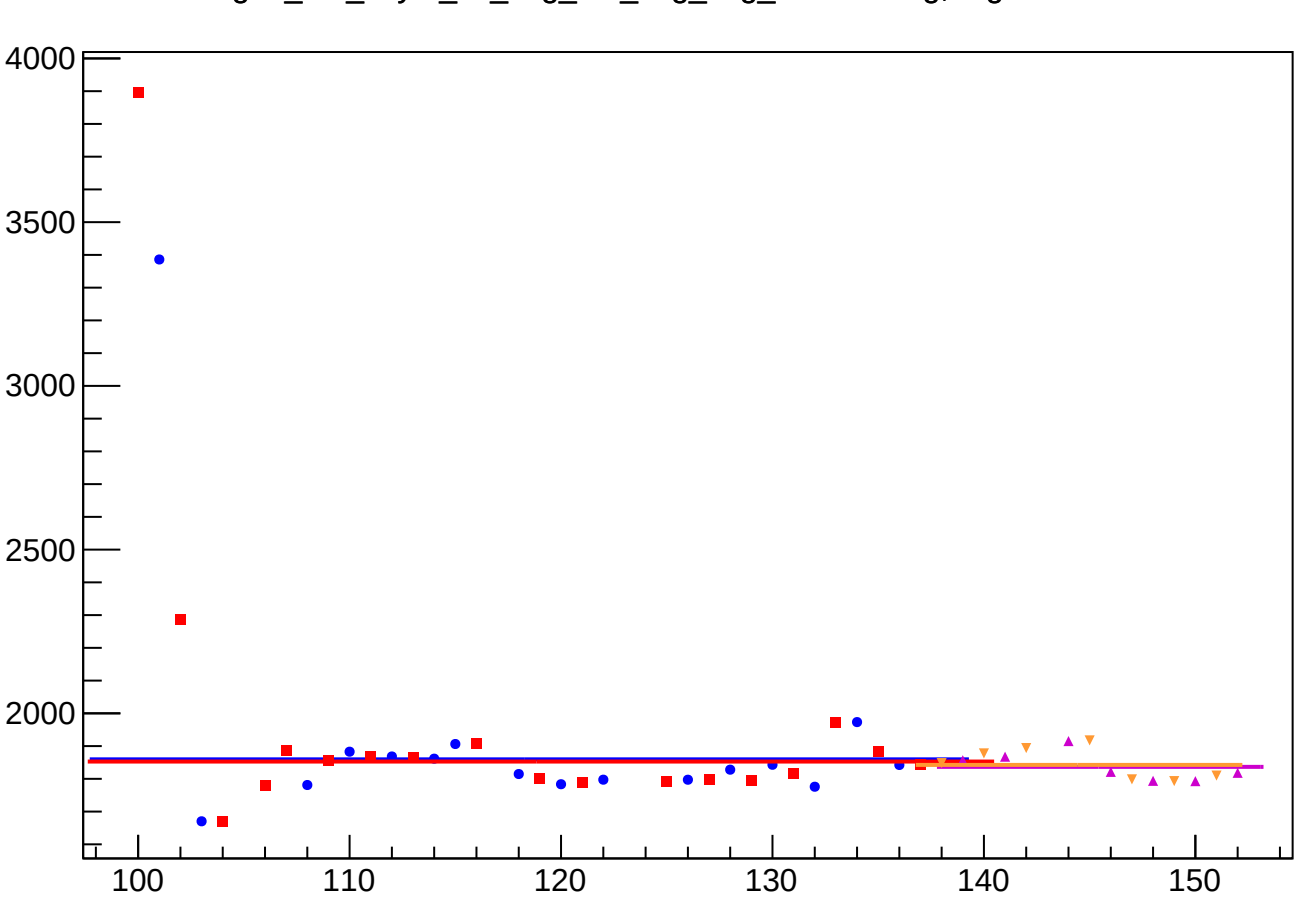
Left: 3864.031+/-541.978 χ^2/NDF: 31.1/13

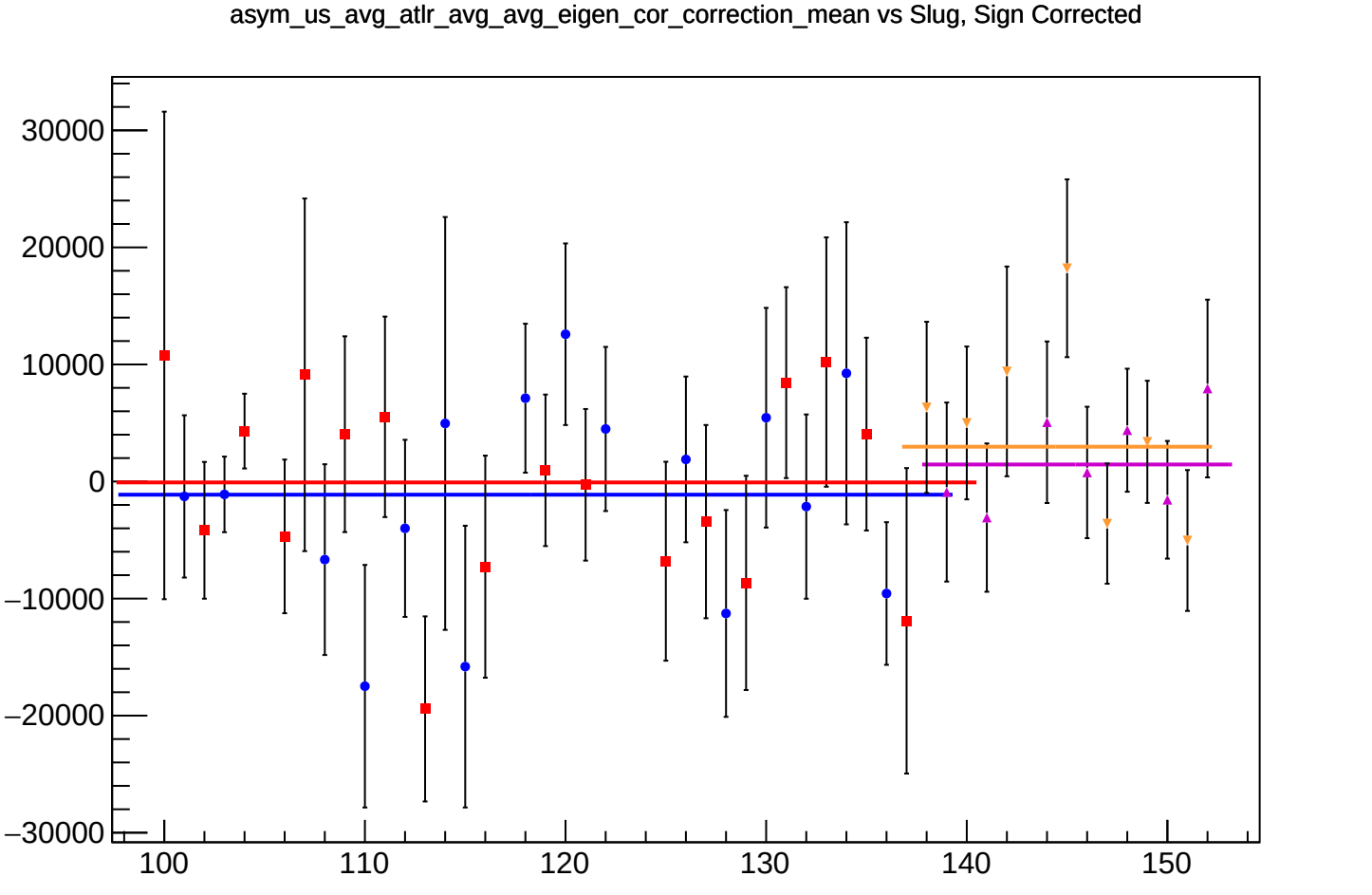
Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

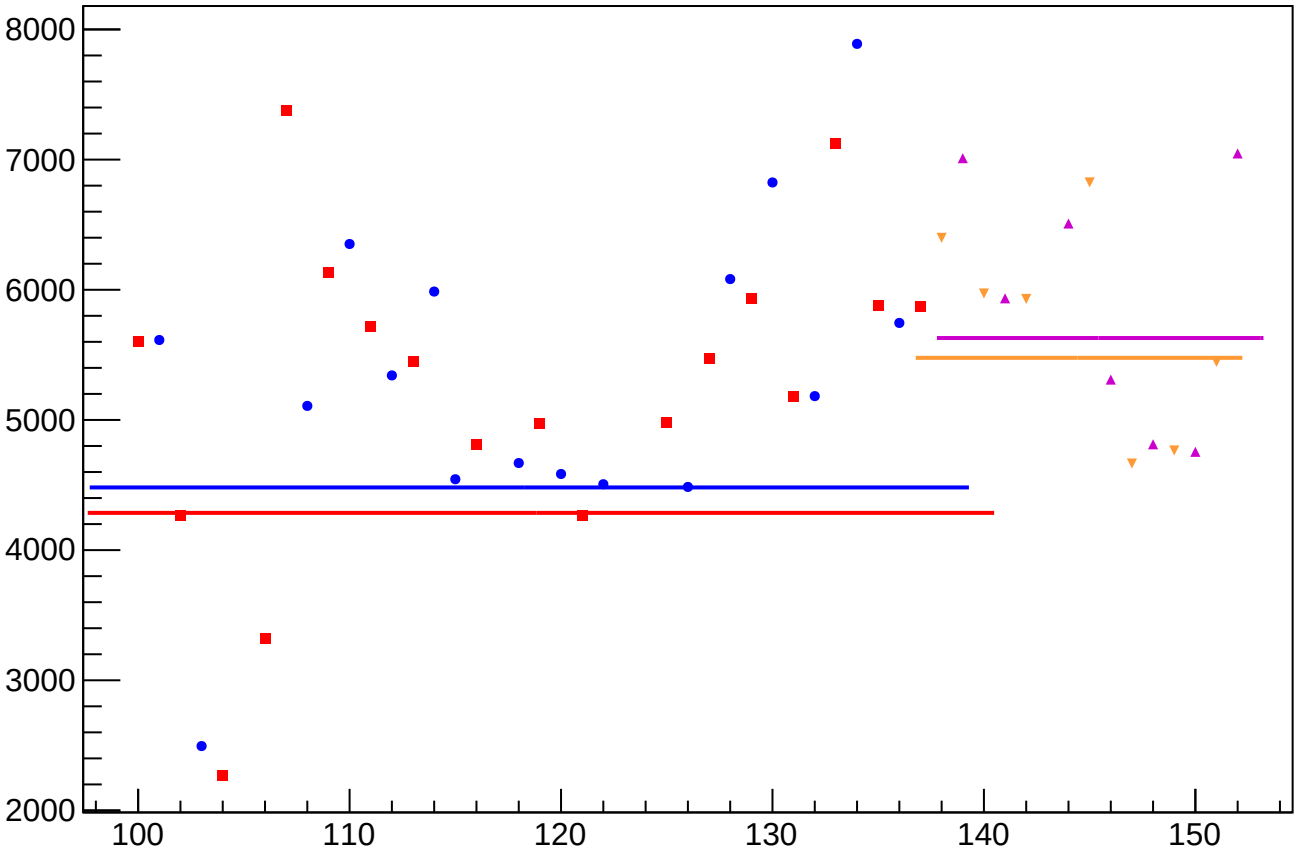
In: 5138.330+/-508.595 χ^2/NDF:24.6/22

Out: 3124.025+/-523.345 χ^2/NDF:23.7/24

All: 4159.963+/-364.734 χ^2/NDF: 55.9/47


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1842.517+/-0.562 χ²/NDF:6551.2/6
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1836.560+/-0.524 χ²/NDF:6045.7/6
Left: 1839.334+/-0.383 χ²/NDF: 12657.1/13
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1848.712+/-0.360 χ²/NDF:299396.7/22
Out: 1848.331+/-0.369 χ²/NDF:108490.8/24
All: 1848.527+/-0.258 χ²/NDF: 407888.1/47


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: 1454.905+/-2307.006 χ²/NDF:2.3/6
Left: 2184.434+/-1661.719 χ²/NDF: 10.8/13
Right: -585.146+/-1222.937 χ²/NDF: 30.5/33
In: -177.683+/-1398.225 χ²/NDF:17.8/22
Out: 944.990+/-1387.704 χ²/NDF:24.9/24
All: 387.893+/-984.953 χ²/NDF: 43.0/47



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: 5629.490+/-1.631 χ^2/NDF:287397.9/6

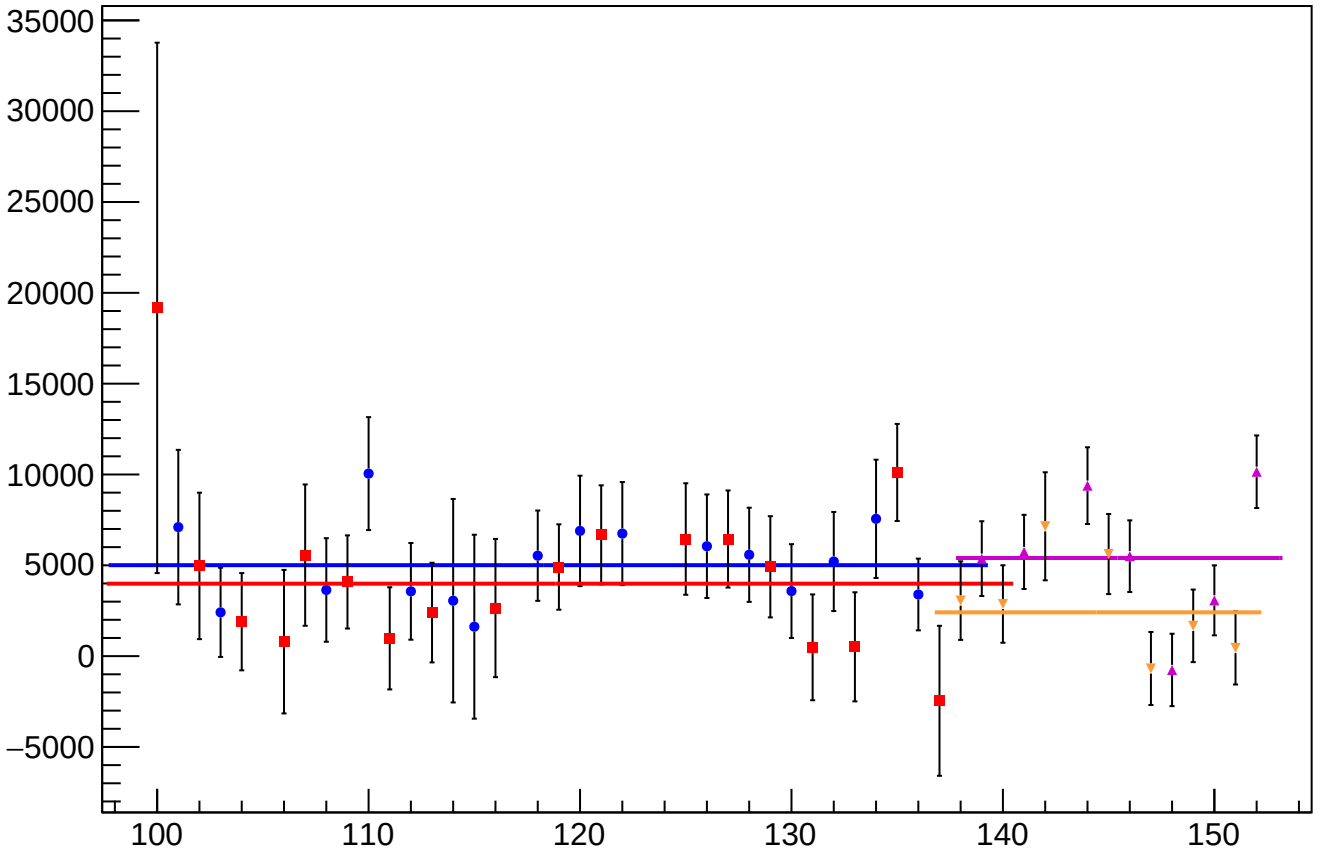
Left: 5556.215+/-1.175 χ^2/NDF: 490216.7/13

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4903.203+/-0.989 χ^2/NDF:1962961.6/22

Out: 4685.819+/-0.981 χ^2/NDF:2076991.6/24

All: 4793.690+/-0.696 χ^2/NDF: 4064307.1/47



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: 5402.642+/-760.326 χ^2/NDF:20.3/6

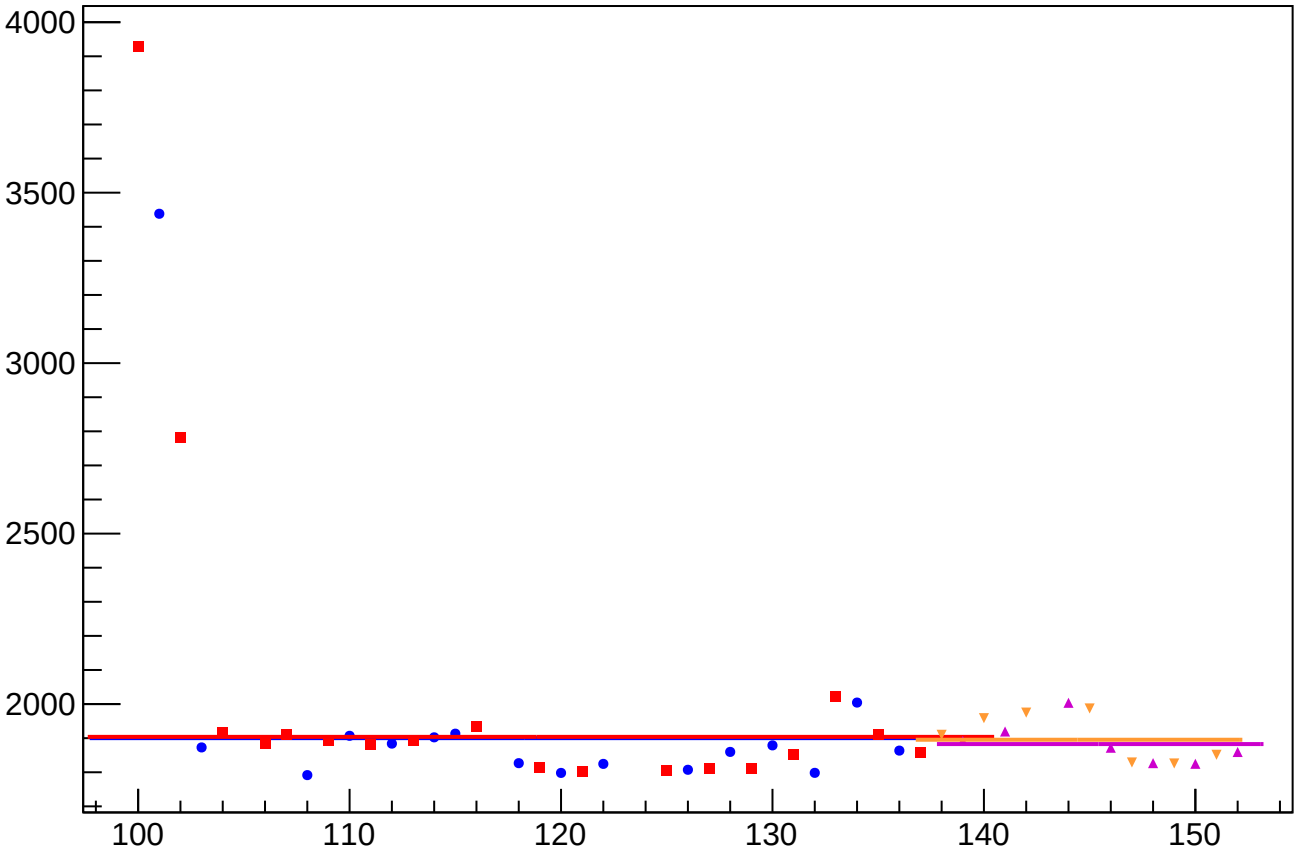
Left: 4014.677+/-556.682 χ^2/NDF: 35.7/13

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 5192.586+/-520.505 χ^2/NDF:28.1/22

Out: 3300.607+/-539.844 χ^2/NDF:27.7/24

All: 4281.091+/-374.703 χ^2/NDF: 62.2/47



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: 1882.692+/-0.538 χ^2/NDF:10976.4/6

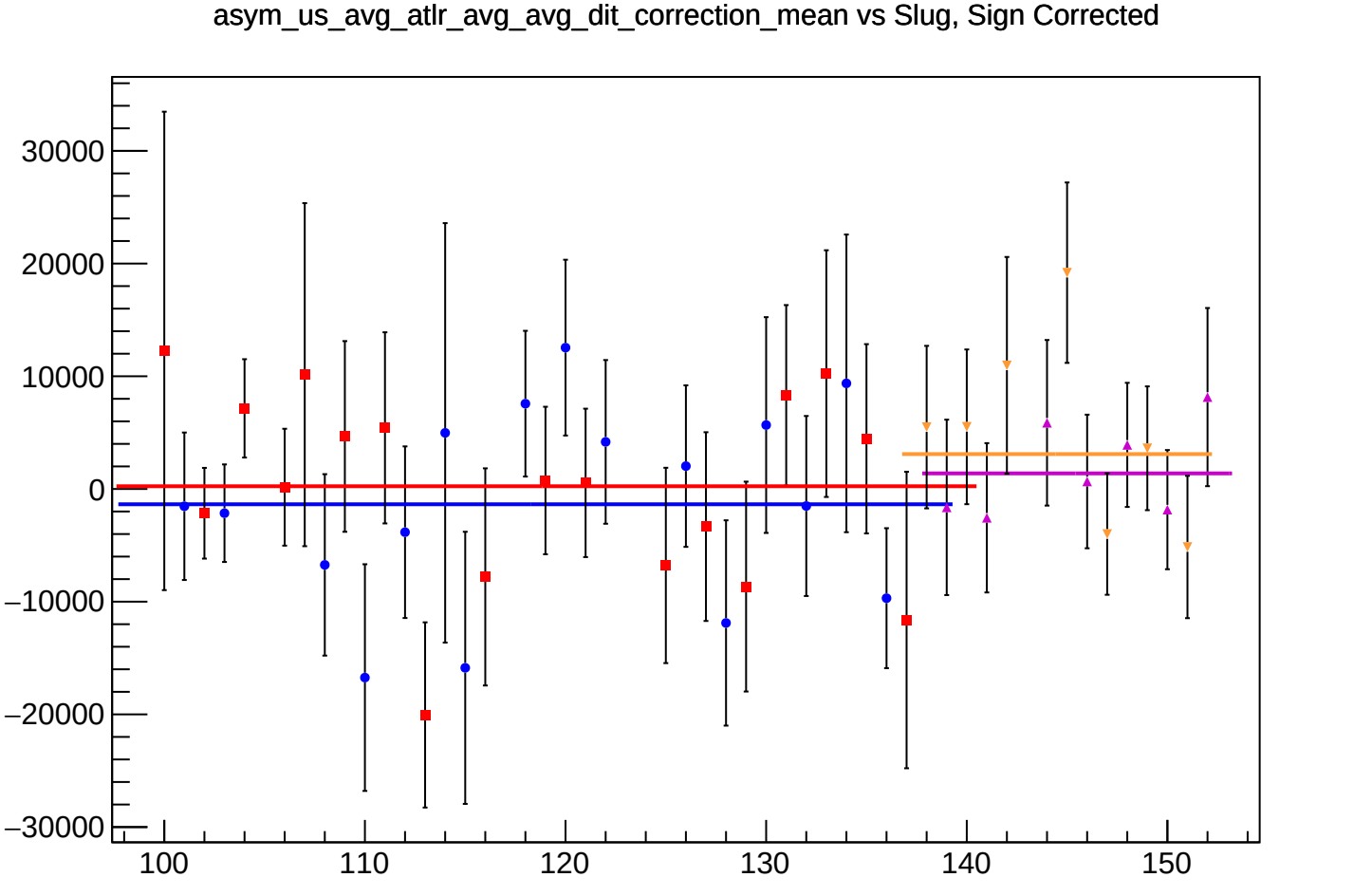
Left: 1888.591+/-0.394 χ^2/NDF: 23570.6/13

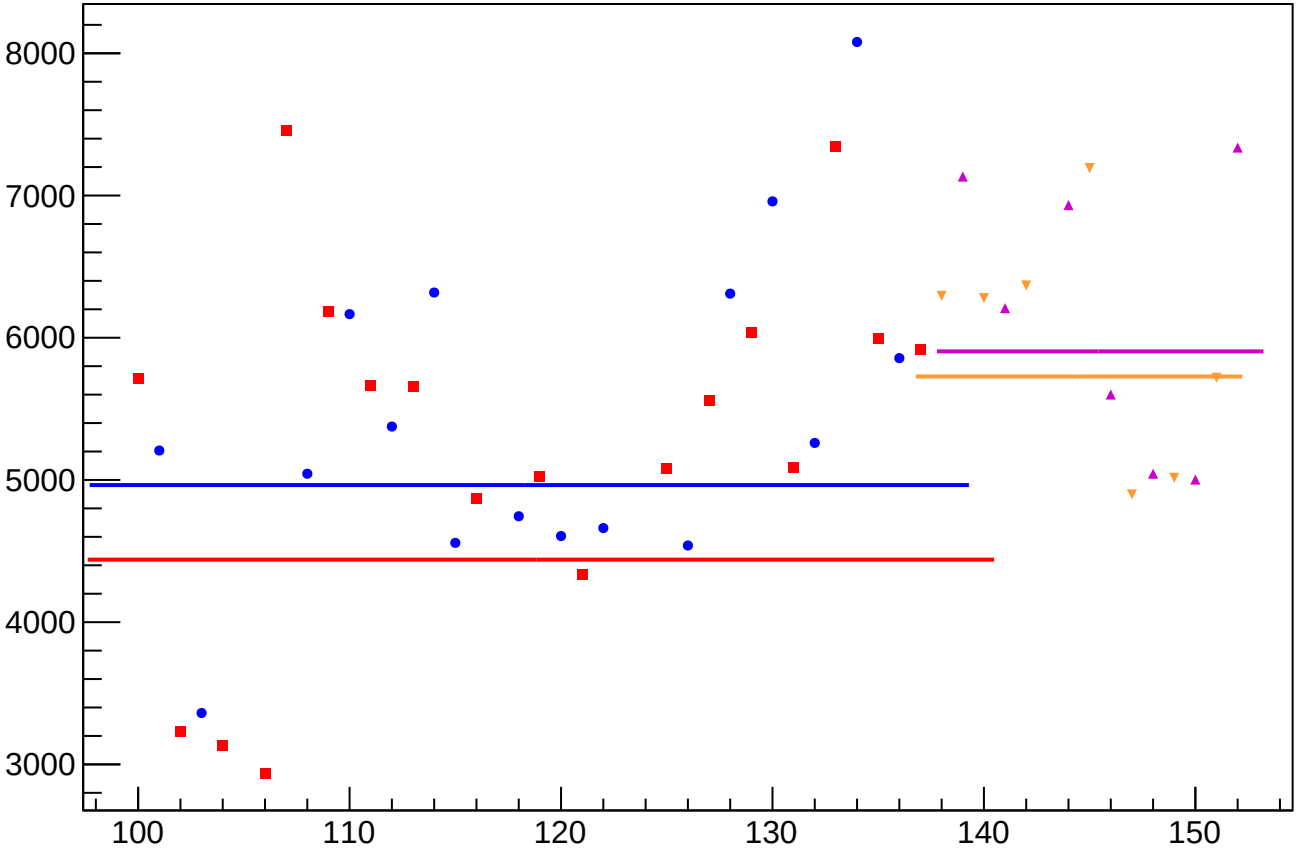
Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1891.948+/-0.368 χ^2/NDF:289982.4/22

Out: 1900.157+/-0.381 χ^2/NDF:162570.4/24

All: 1895.905+/-0.265 χ^2/NDF: 452792.7/47


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1356.615+/-1895.990 χ²/NDF: 14.7/15
Left Out: 3094.041+/-2503.546 χ²/NDF:8.4/6
Right Out: 241.153+/-1712.681 χ²/NDF: 15.7/17
Left In: 1381.706+/-2417.895 χ²/NDF:2.2/6
Left: 2208.082+/-1739.202 χ²/NDF: 10.8/13
Right: -476.778+/-1270.927 χ²/NDF: 30.8/33
In: -313.965+/-1491.986 χ²/NDF:17.7/22
Out: 1150.651+/-1413.560 χ²/NDF:25.0/24
All: 457.847+/-1026.143 χ²/NDF: 43.2/47



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: 5904.069+/-1.710 χ^2/NDF:271242.0/6

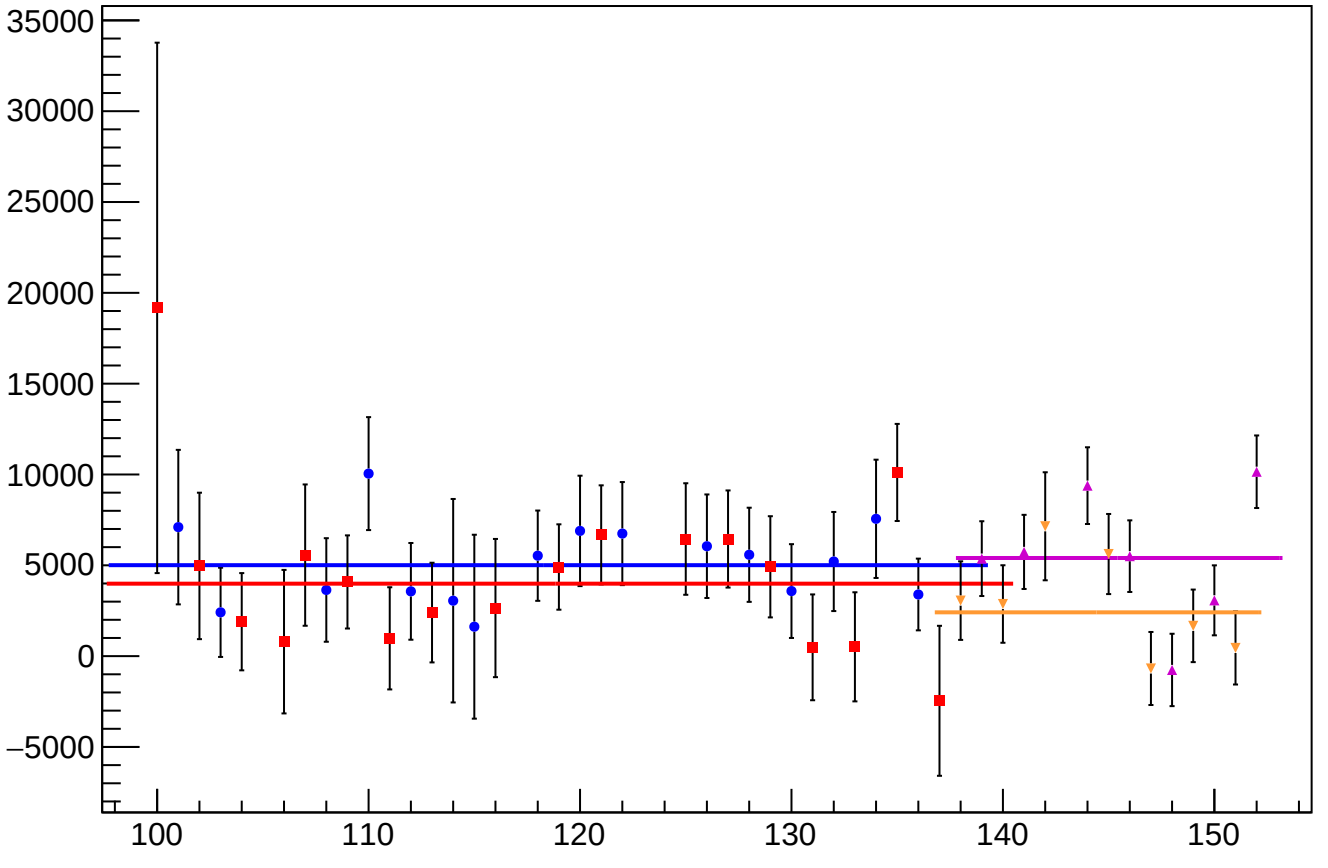
Left: 5818.884+/-1.230 χ^2/NDF: 458466.2/13

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5321.942+/-1.055 χ^2/NDF:1085830.7/22

Out: 4850.250+/-1.000 χ^2/NDF:1701124.3/24

All: 5073.373+/-0.726 χ^2/NDF: 2892297.8/47



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: 5402.641+/-760.327 χ^2/NDF:20.3/6

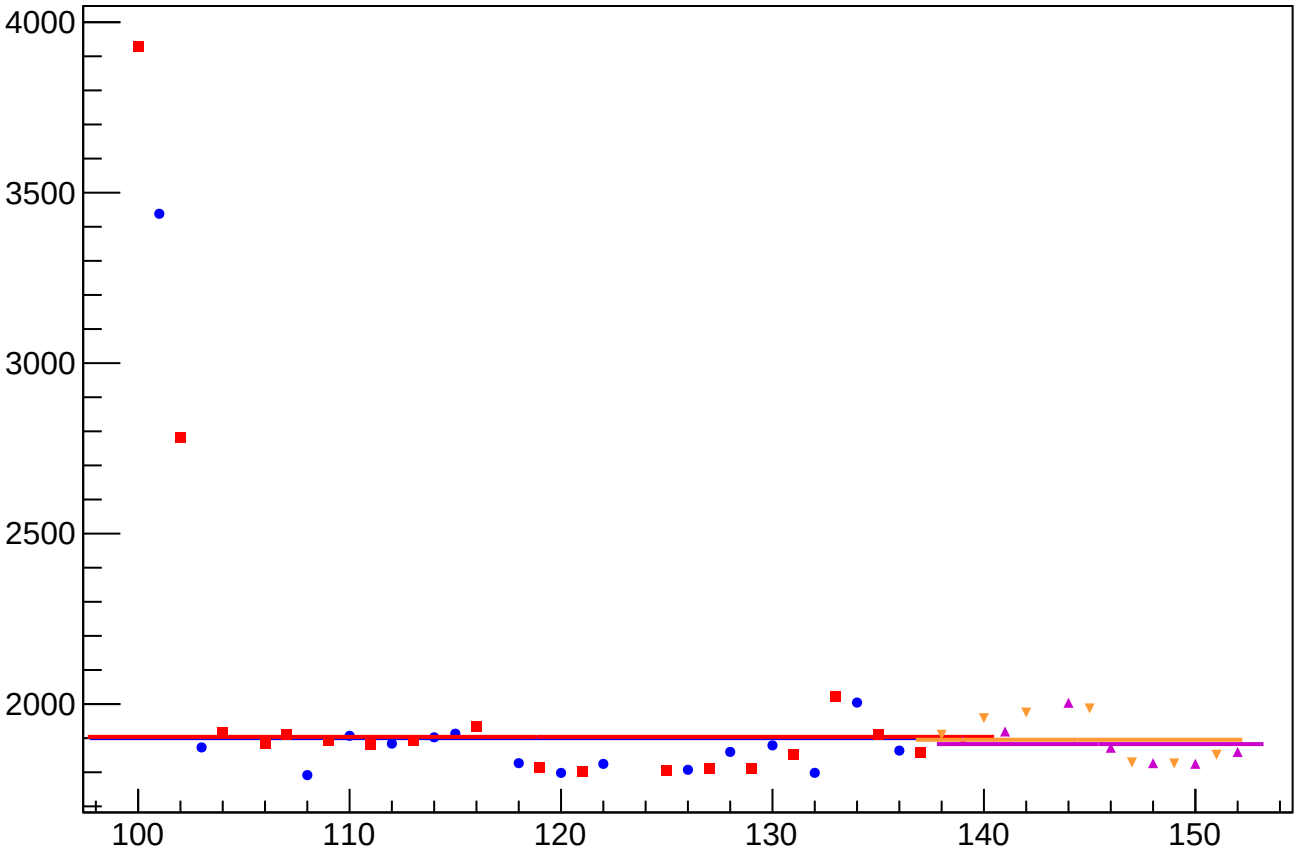
Left: 4014.679+/-556.682 χ^2/NDF: 35.7/13

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 5192.584+/-520.505 χ^2/NDF:28.1/22

Out: 3300.609+/-539.844 χ^2/NDF:27.7/24

All: 4281.091+/-374.703 χ^2/NDF: 62.2/47



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: 1882.694+/-0.538 χ^2/NDF:10976.6/6

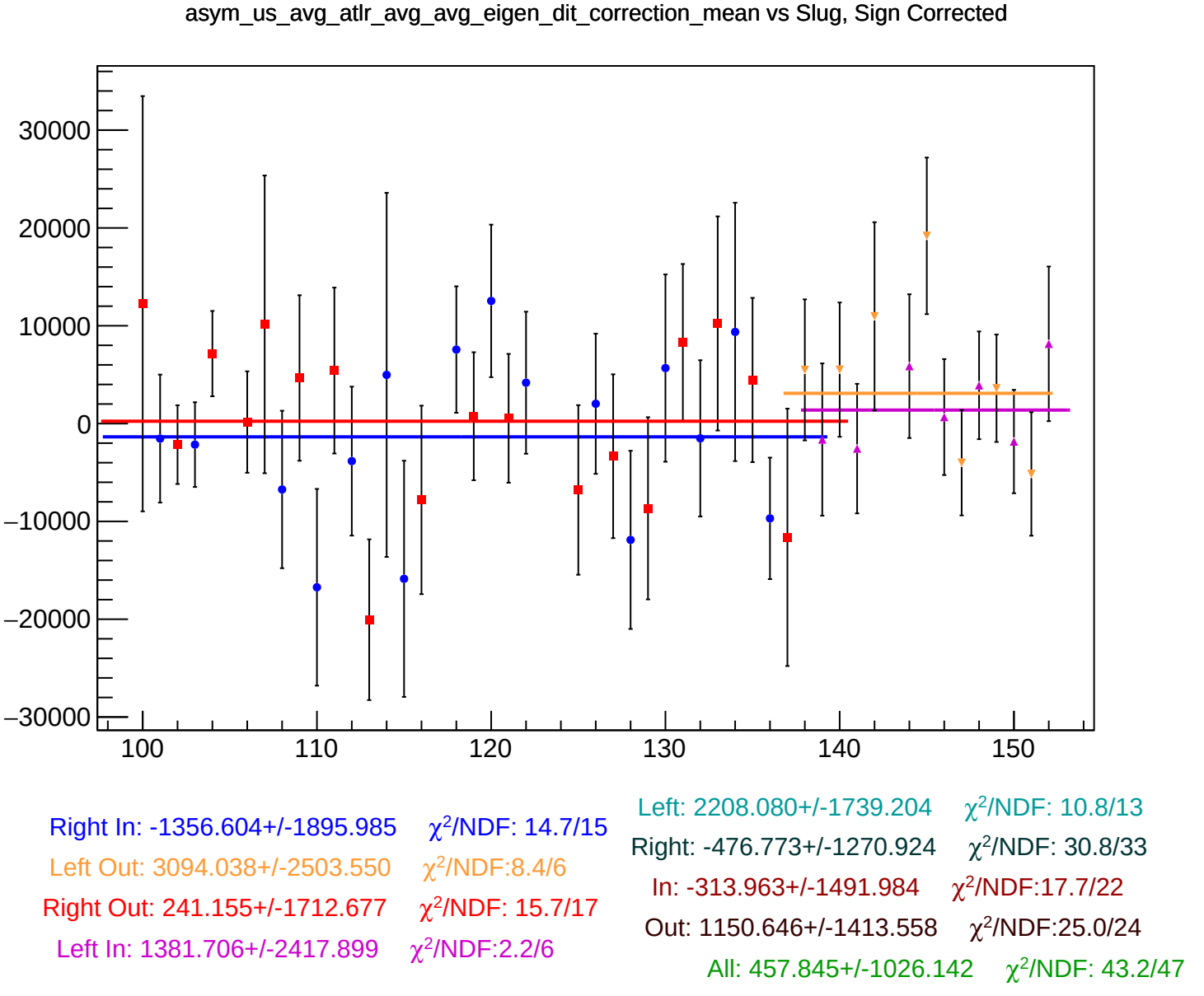
Left: 1888.592+/-0.394 χ^2/NDF: 23571.0/13

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1891.948+/-0.368 χ^2/NDF:289982.7/22

Out: 1900.157+/-0.381 χ^2/NDF:162569.9/24

All: 1895.906+/-0.265 χ^2/NDF: 452792.4/47


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
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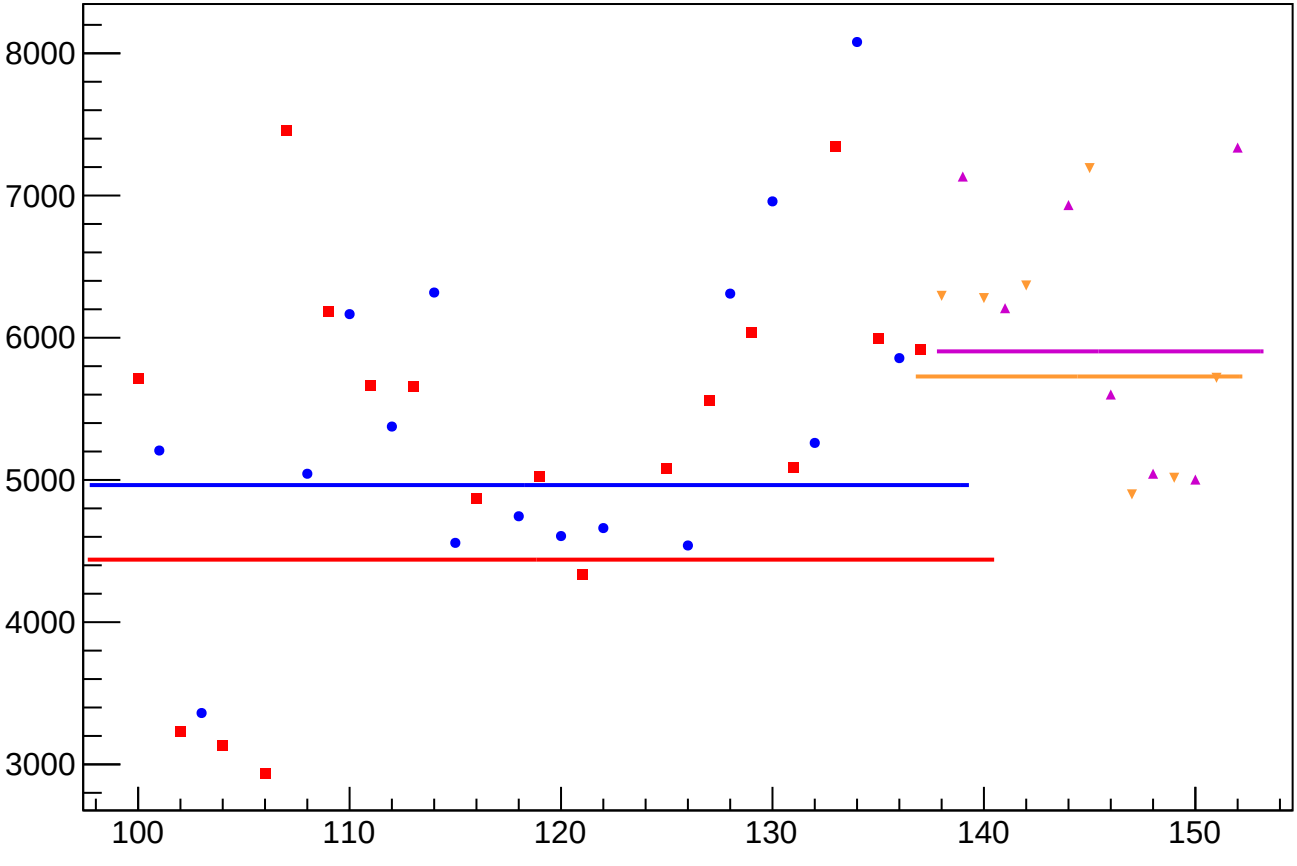
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: 3094.038+/-2503.550 χ²/NDF:8.4/6
Right Out: 241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: 1381.706+/-2417.899 χ²/NDF:2.2/6
Left: 2208.080+/-1739.204 χ²/NDF: 10.8/13
Right: -476.773+/-1270.924 χ²/NDF: 30.8/33
In: -313.963+/-1491.984 χ²/NDF:17.7/22
Out: 1150.646+/-1413.558 χ²/NDF:25.0/24
All: 457.845+/-1026.142 χ²/NDF: 43.2/47

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: 5904.077+/-1.710 χ^2/NDF:271242.7/6

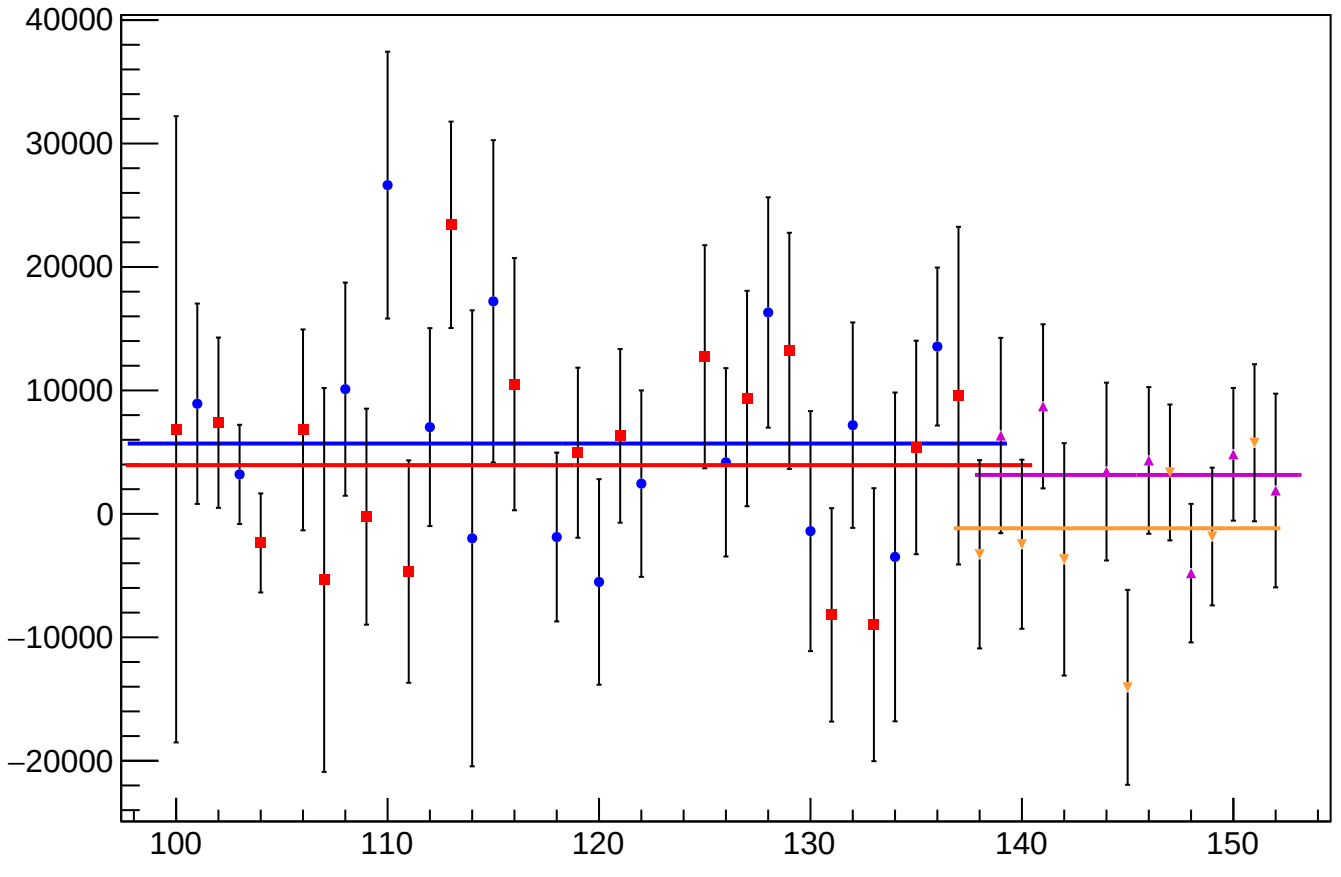
Left: 5818.891+/-1.230 χ^2/NDF: 458468.2/13

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5321.935+/-1.055 χ^2/NDF:1085842.3/22

Out: 4850.243+/-1.000 χ^2/NDF:1701135.8/24

All: 5073.366+/-0.726 χ^2/NDF: 2892321.5/47



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: 3154.460+/-2433.550 χ^2/NDF:3.0/6

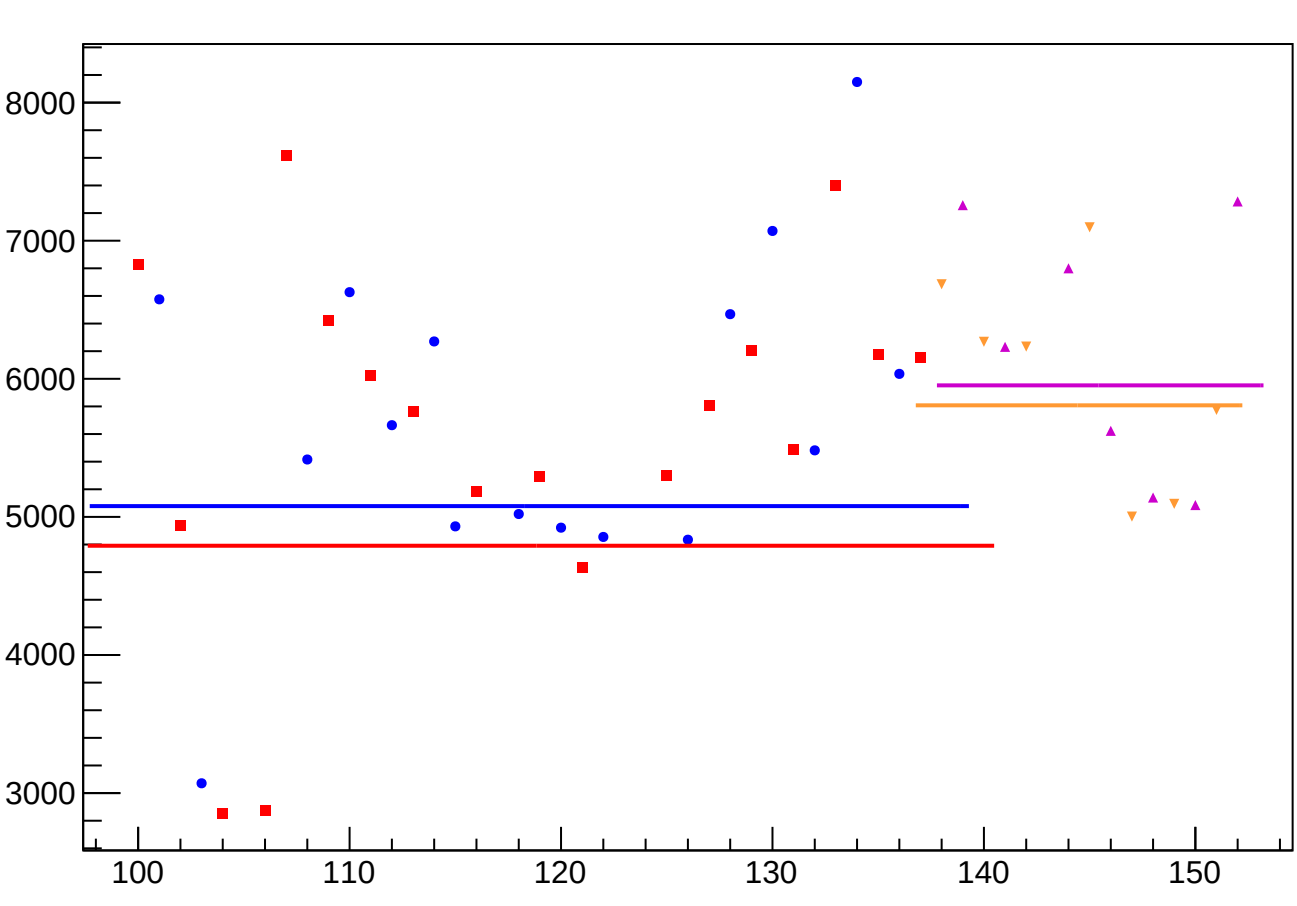
Left: 1081.170+/-1755.284 χ^2/NDF: 9.3/13

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4697.245+/-1526.097 χ^2/NDF:16.3/22

Out: 2082.765+/-1530.668 χ^2/NDF:23.4/24

All: 3393.915+/-1080.726 χ^2/NDF: 41.2/47



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: 5952.476+/-1.721 χ^2/NDF:243338.4/6

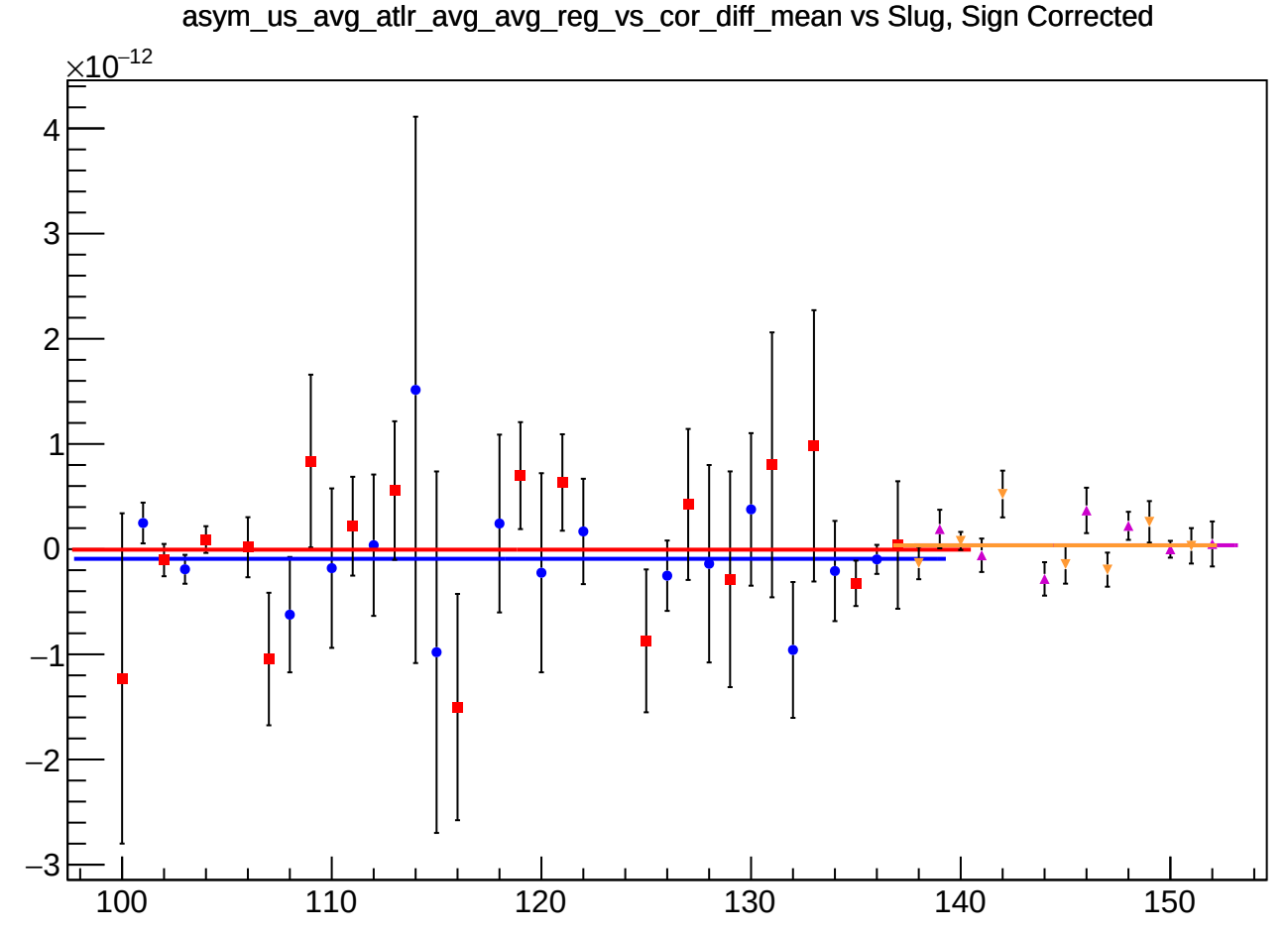
Left: 5883.120+/-1.241 χ^2/NDF: 415223.1/13

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5421.987+/-1.079 χ^2/NDF:1319185.1/22

Out: 5152.553+/-1.068 χ^2/NDF:1538464.6/24

All: 5285.921+/-0.759 χ^2/NDF: 2889132.9/47


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
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0
−1
−2
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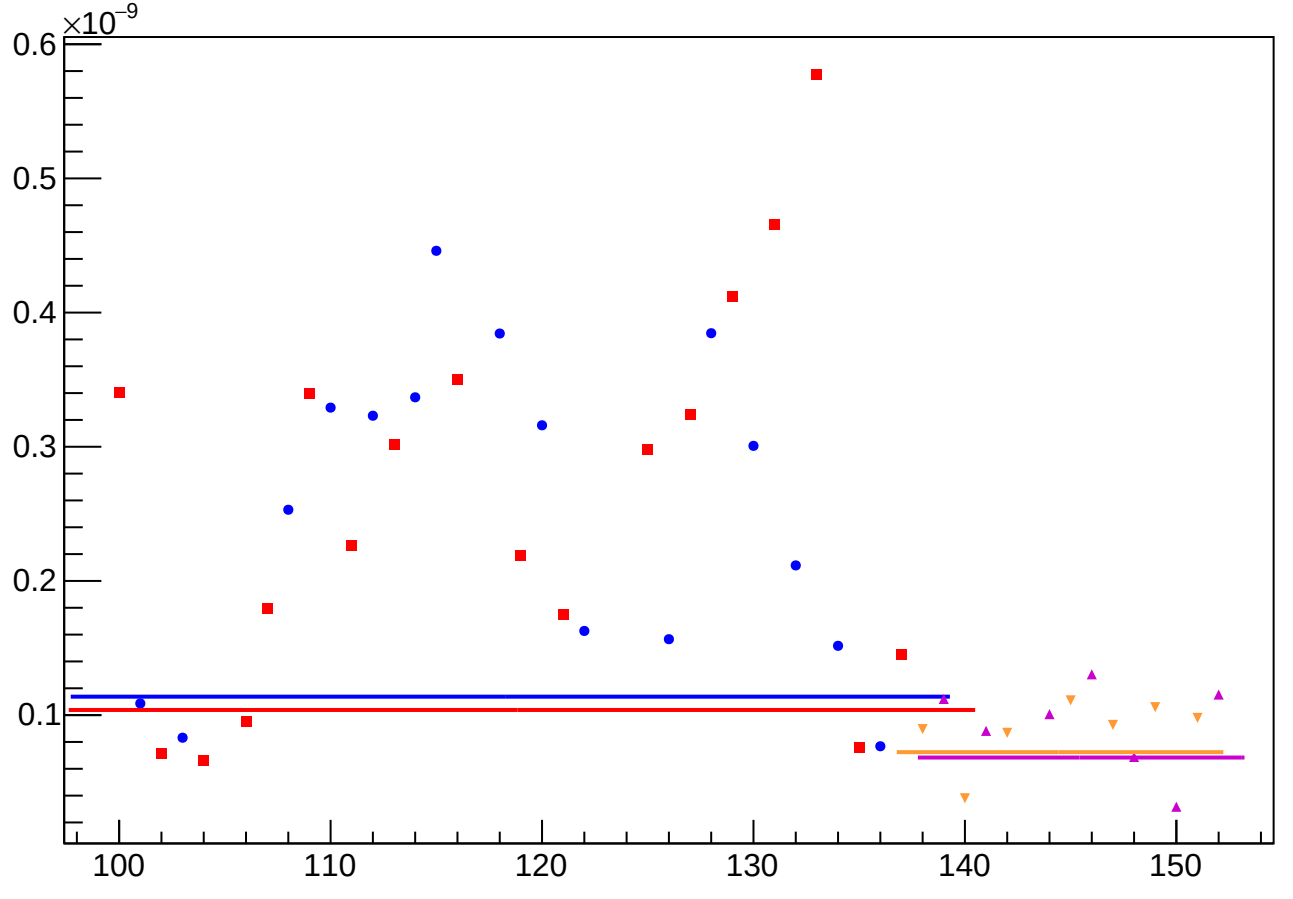
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:10.5/6
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:9.6/6
Left: 0.000+/-0.000 χ²/NDF: 20.1/13
Right: -0.000+/-0.000 χ²/NDF: 26.2/33
In: -0.000+/-0.000 χ²/NDF:19.7/22
Out: 0.000+/-0.000 χ²/NDF:28.1/24
All: 0.000+/-0.000 χ²/NDF: 48.0/47

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:576038.1/6

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:910409.4/6

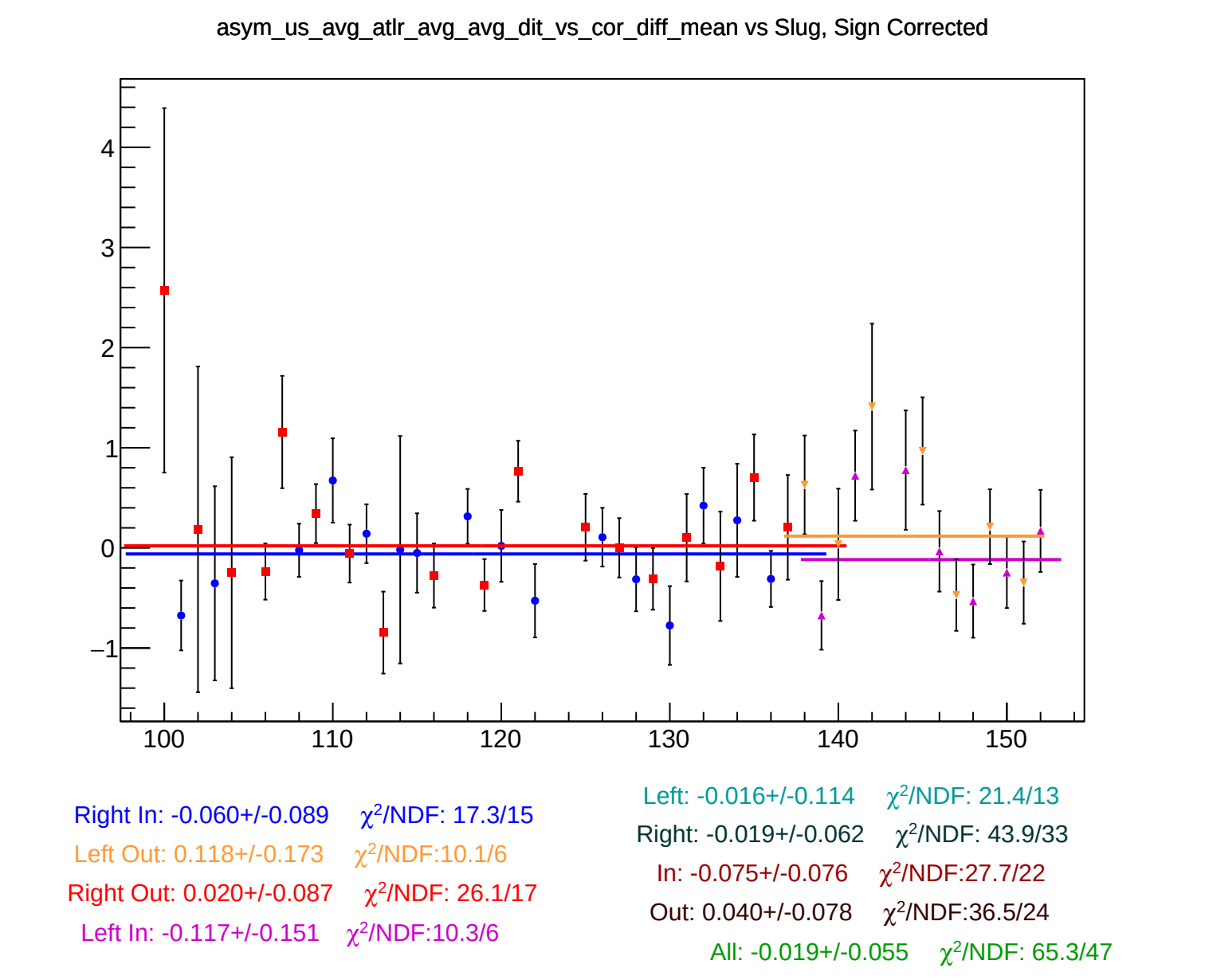
Left: 0.000+/-0.000 χ^2/NDF: 1492022.8/13

Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

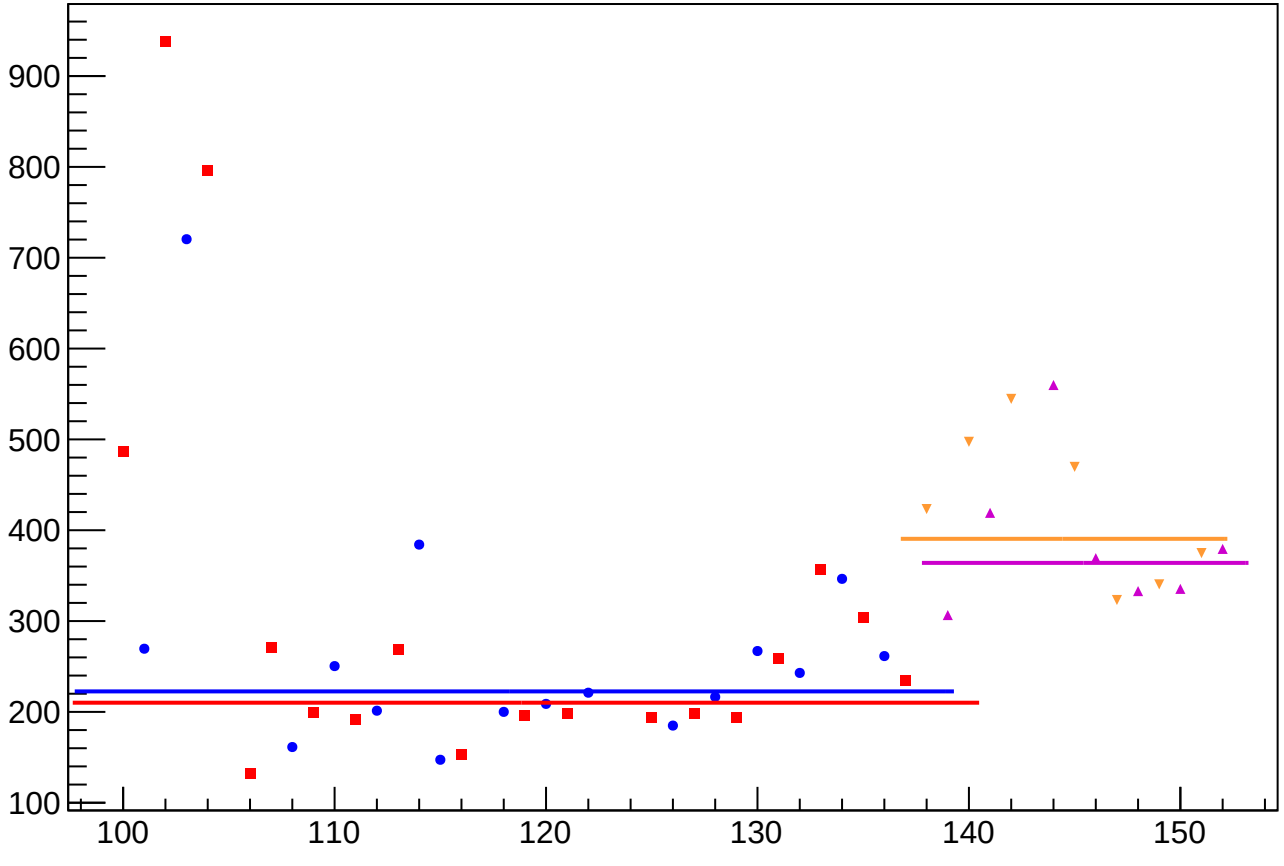
In: 0.000+/-0.000 χ^2/NDF:2903337.3/22

Out: 0.000+/-0.000 χ^2/NDF:2882740.2/24

All: 0.000+/-0.000 χ^2/NDF: 5786246.6/47


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: 0.118+/-0.173 χ²/NDF:10.1/6
Right Out: 0.020+/-0.087 χ²/NDF: 26.1/17
Left In: -0.117+/-0.151 χ²/NDF:10.3/6
Left: -0.016+/-0.114 χ²/NDF: 21.4/13
Right: -0.019+/-0.062 χ²/NDF: 43.9/33
In: -0.075+/-0.076 χ²/NDF:27.7/22
Out: 0.040+/-0.078 χ²/NDF:36.5/24
All: -0.019+/-0.055 χ²/NDF: 65.3/47

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: 364.046+/-0.107 χ^2/NDF:332654.7/6

Left: 375.483+/-0.081 χ^2/NDF: 664896.6/13

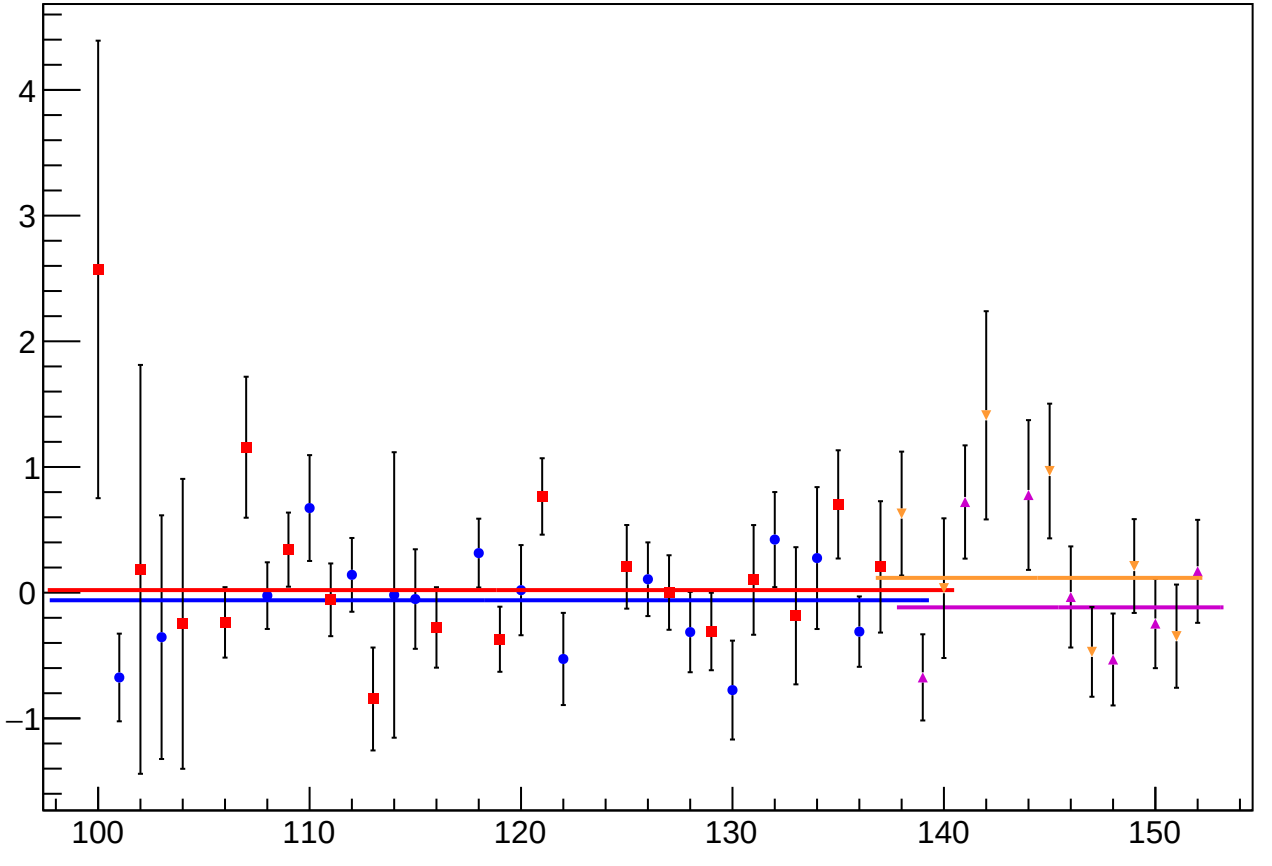
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 258.800+/-0.054 χ^2/NDF:2655693.2/22

Out: 246.678+/-0.055 χ^2/NDF:3579942.0/24

All: 252.865+/-0.039 χ^2/NDF: 6260241.5/47

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: -0.117+/-0.151 χ^2/NDF:10.3/6

Left: -0.016+/-0.114 χ^2/NDF: 21.4/13

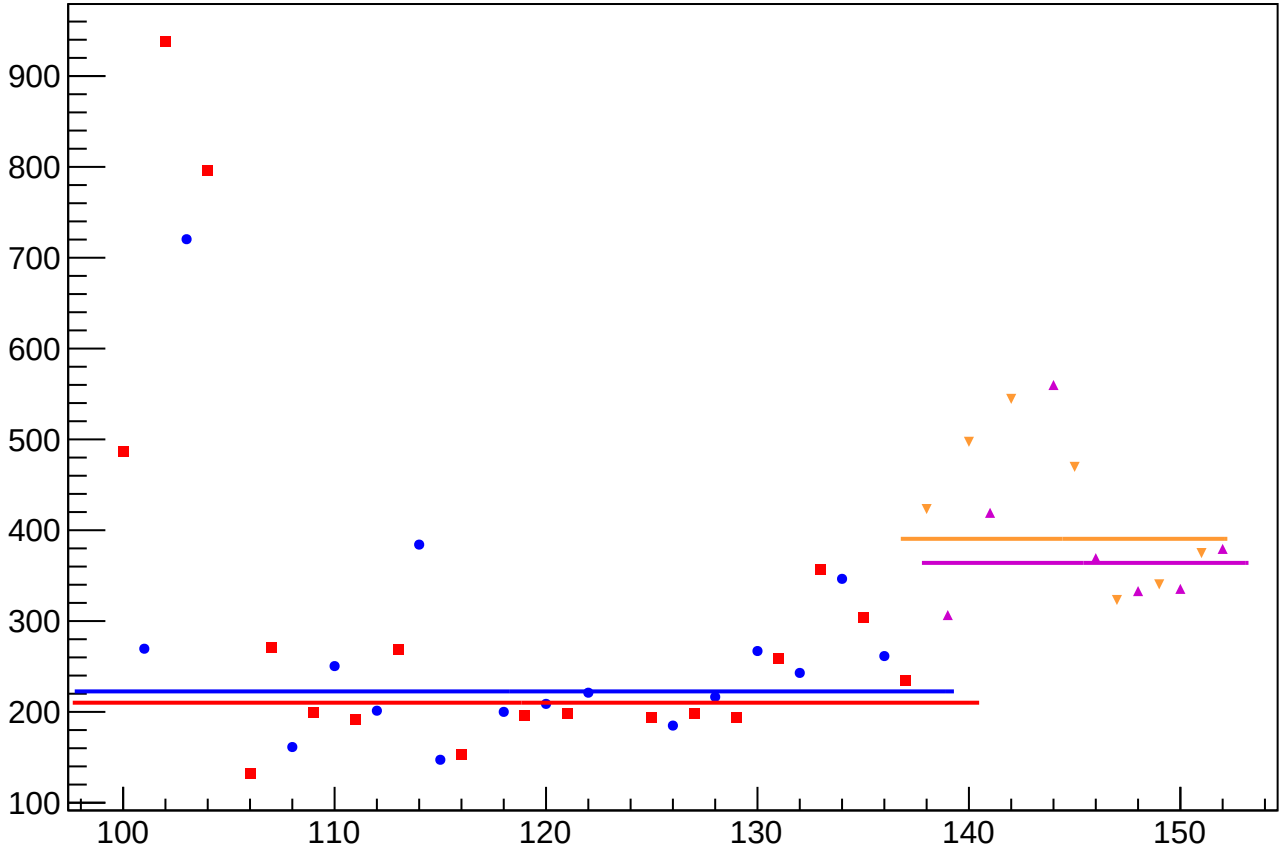
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.076 χ^2/NDF:27.7/22

Out: 0.040+/-0.078 χ^2/NDF:36.5/24

All: -0.019+/-0.055 χ^2/NDF: 65.3/47

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: 364.046+/-0.107 χ^2/NDF:332654.7/6

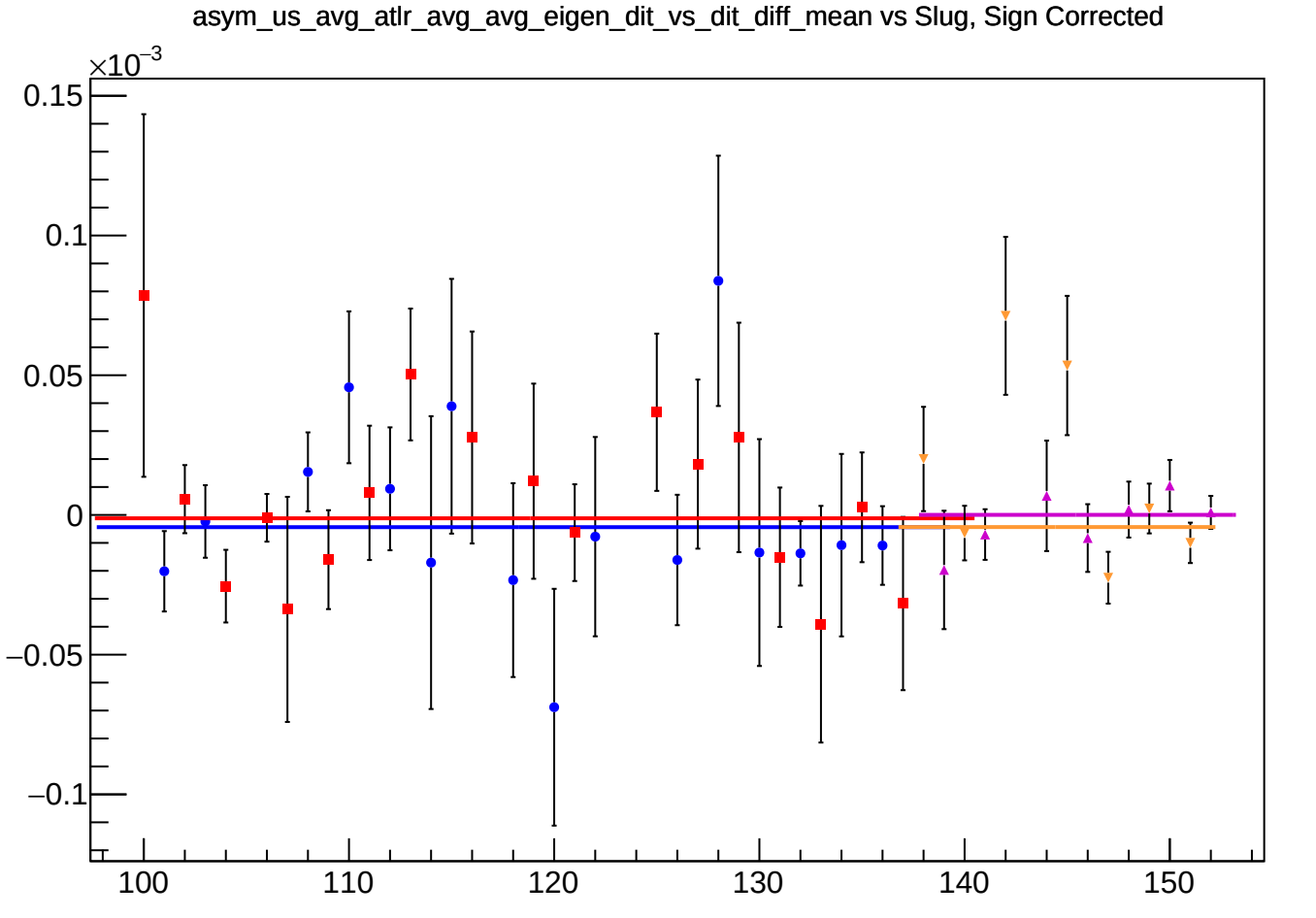
Left: 375.483+/-0.081 χ^2/NDF: 664896.6/13

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 258.800+/-0.054 χ^2/NDF:2655693.2/22

Out: 246.678+/-0.055 χ^2/NDF:3579942.0/24

All: 252.865+/-0.039 χ^2/NDF: 6260241.5/47



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:3.4/6

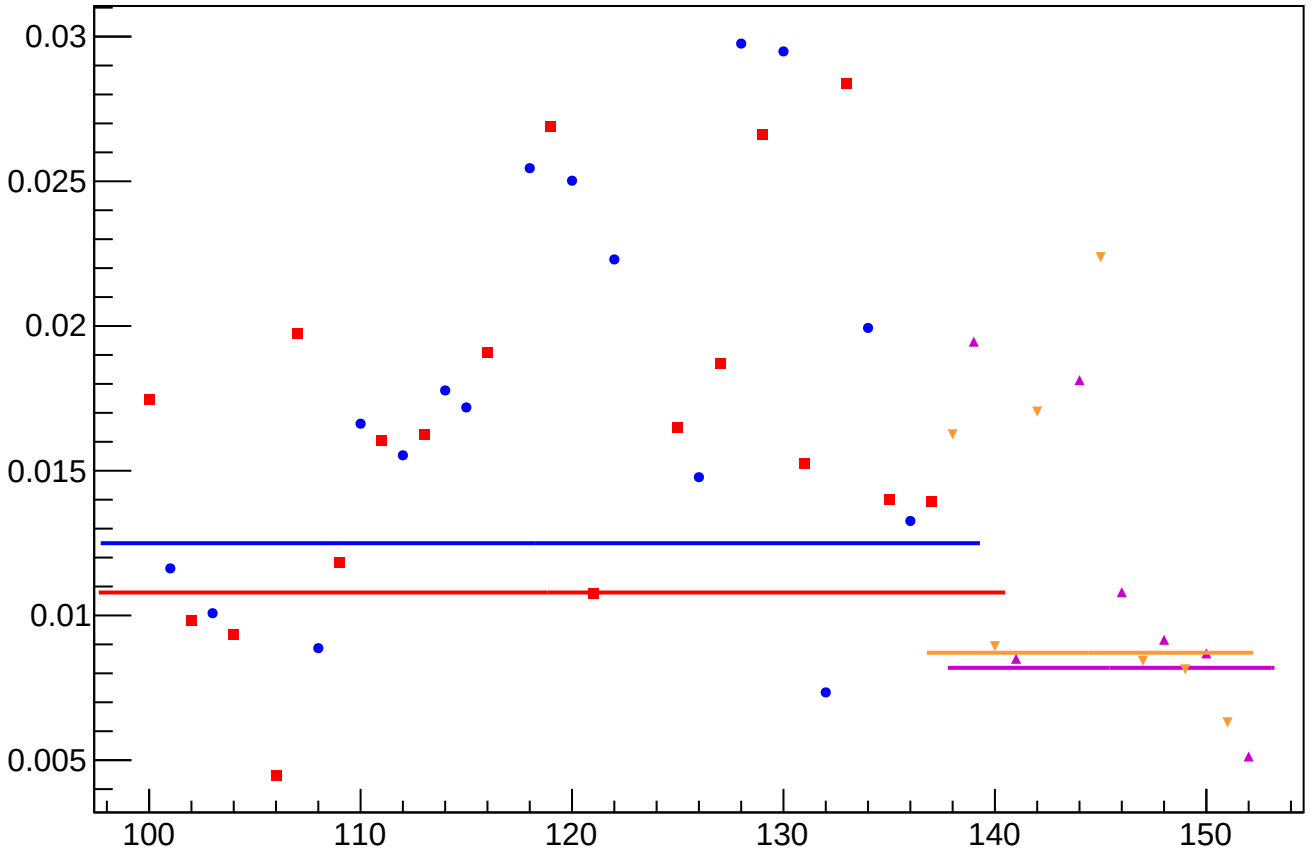
Left: -0.000+/-0.000 χ^2/NDF: 23.3/13

Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: -0.000+/-0.000 χ^2/NDF:19.6/22

Out: -0.000+/-0.000 χ^2/NDF:36.8/24

All: -0.000+/-0.000 χ^2/NDF: 56.4/47



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: 0.008+/-0.000 χ^2/NDF:1729670.0/6

Left: 0.008+/-0.000 χ^2/NDF: 3082159.0/13

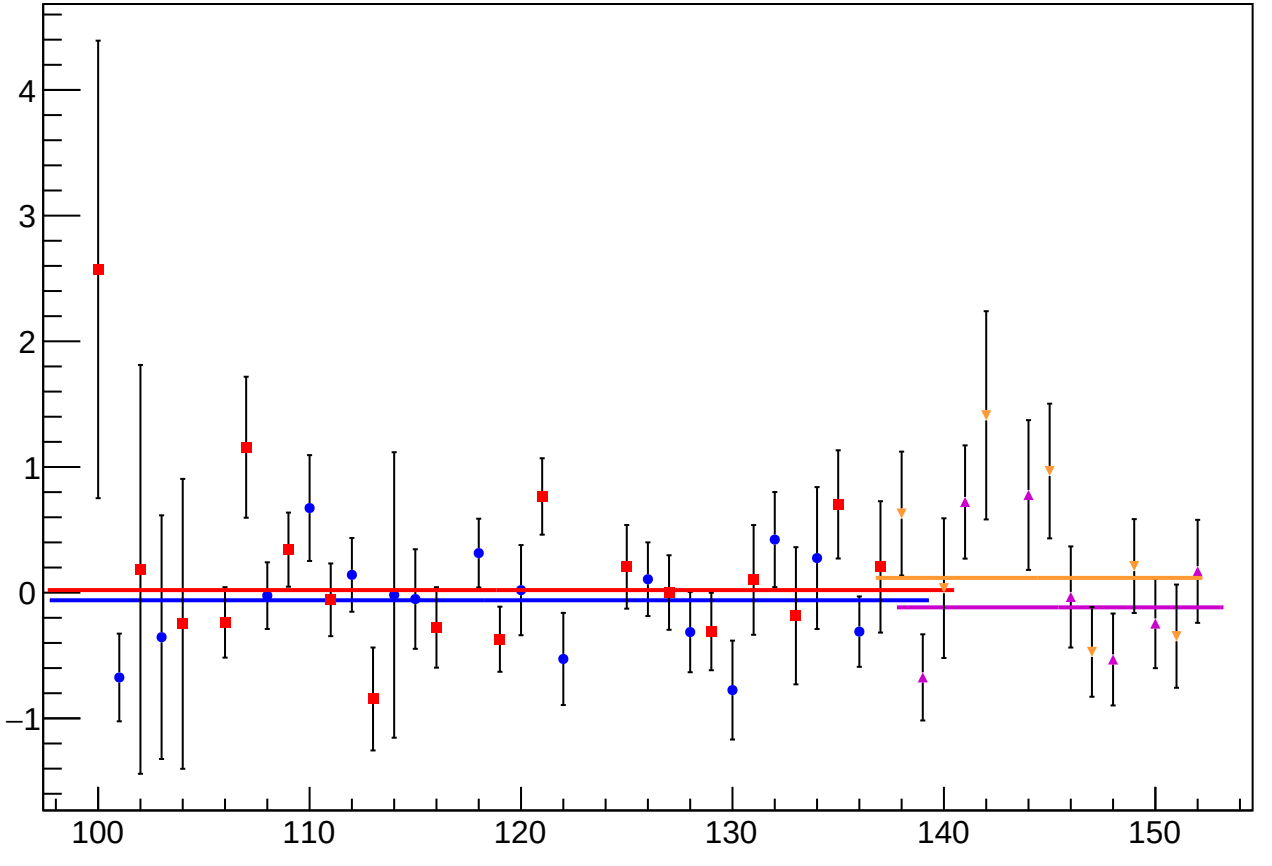
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.010+/-0.000 χ^2/NDF:4787484.4/22

Out: 0.010+/-0.000 χ^2/NDF:4551514.1/24

All: 0.010+/-0.000 χ^2/NDF: 9339091.8/47

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: -0.117+/-0.151 χ^2/NDF:10.3/6

Left: -0.016+/-0.114 χ^2/NDF: 21.5/13

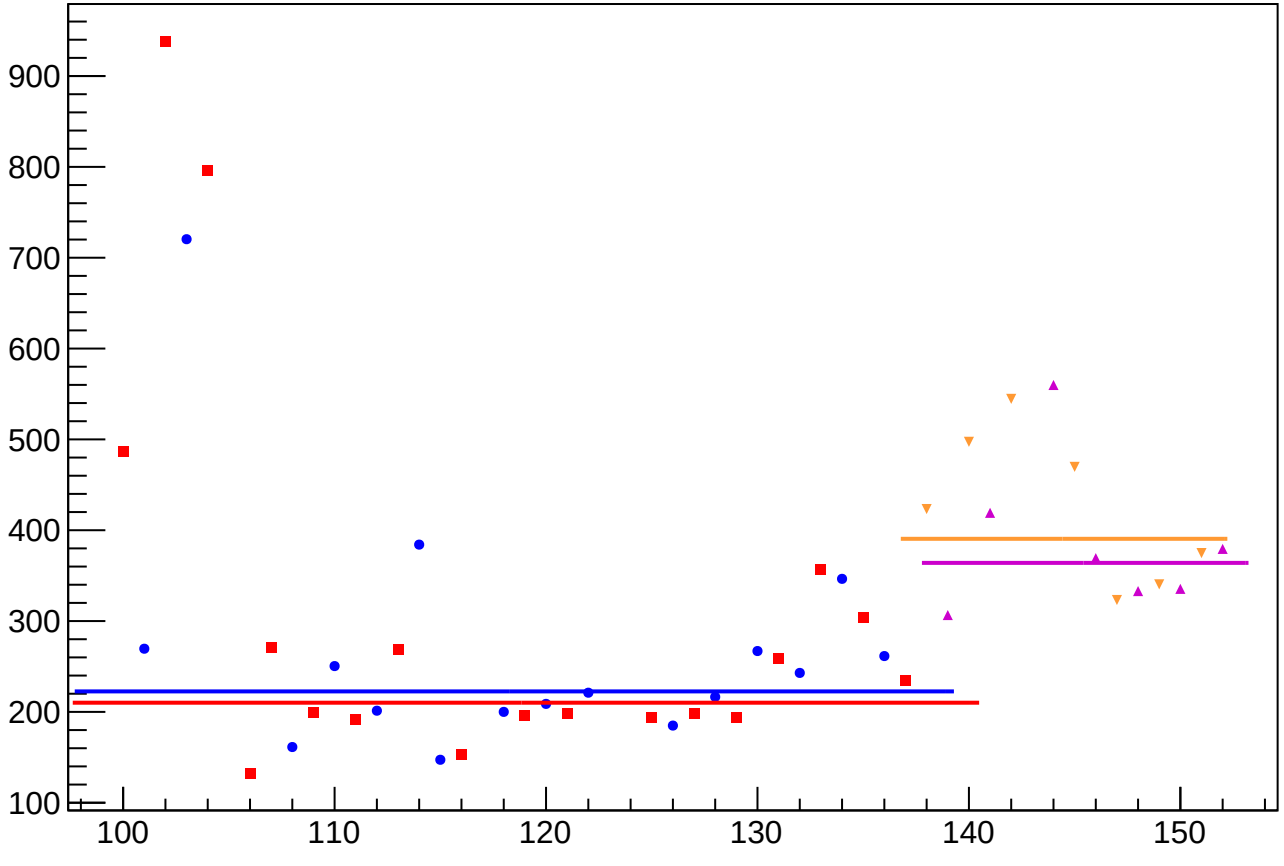
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.076 χ^2/NDF:27.7/22

Out: 0.040+/-0.078 χ^2/NDF:36.5/24

All: -0.019+/-0.055 χ^2/NDF: 65.3/47

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: 364.052+/-0.107 χ^2/NDF:332645.6/6

Left: 375.487+/-0.081 χ^2/NDF: 664885.1/13

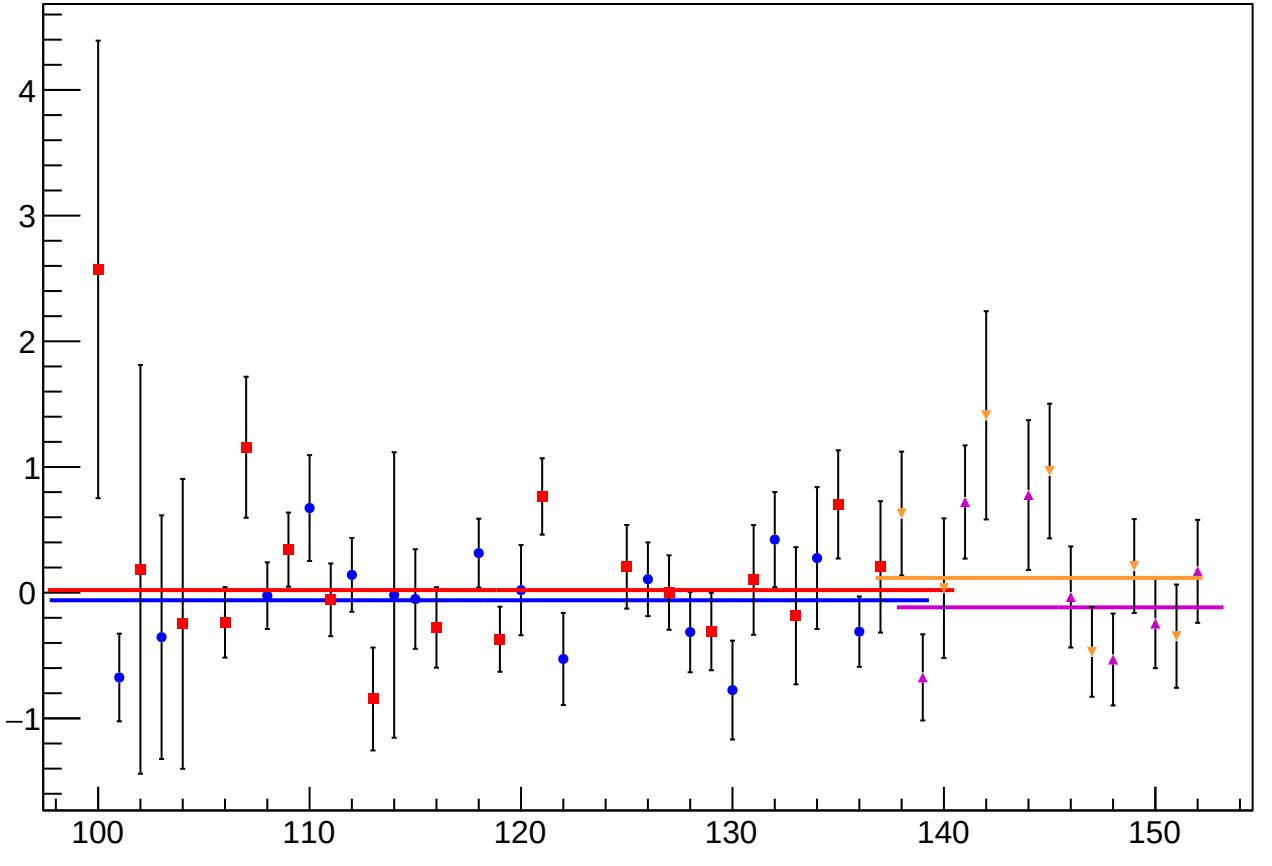
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 258.799+/-0.054 χ^2/NDF:2655775.0/22

Out: 246.676+/-0.055 χ^2/NDF:3580031.6/24

All: 252.863+/-0.039 χ^2/NDF: 6260418.7/47

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: -0.117+/-0.151 χ^2/NDF:10.3/6

Left: -0.016+/-0.114 χ^2/NDF: 21.5/13

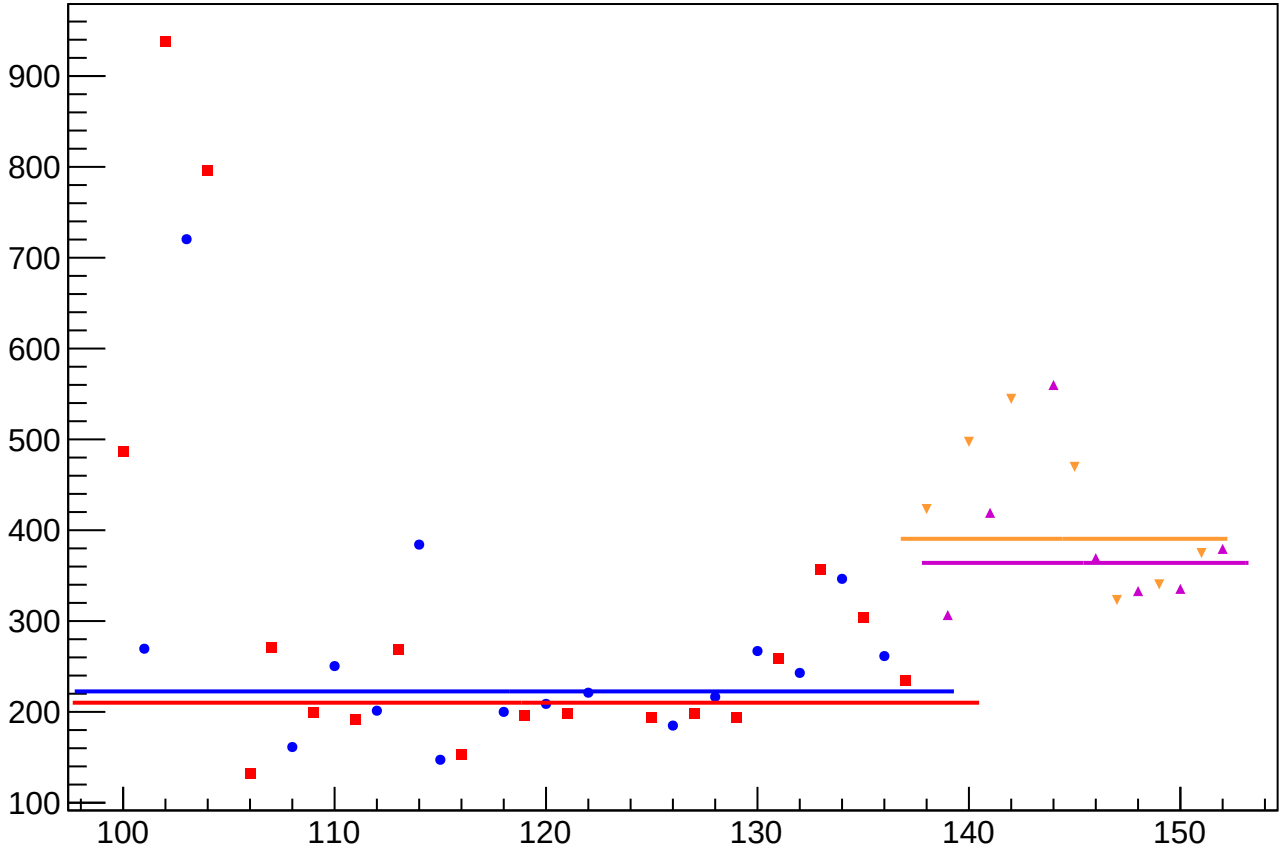
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.076 χ^2/NDF:27.7/22

Out: 0.040+/-0.078 χ^2/NDF:36.5/24

All: -0.019+/-0.055 χ^2/NDF: 65.3/47

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: 364.052+/-0.107 χ^2/NDF:332645.6/6

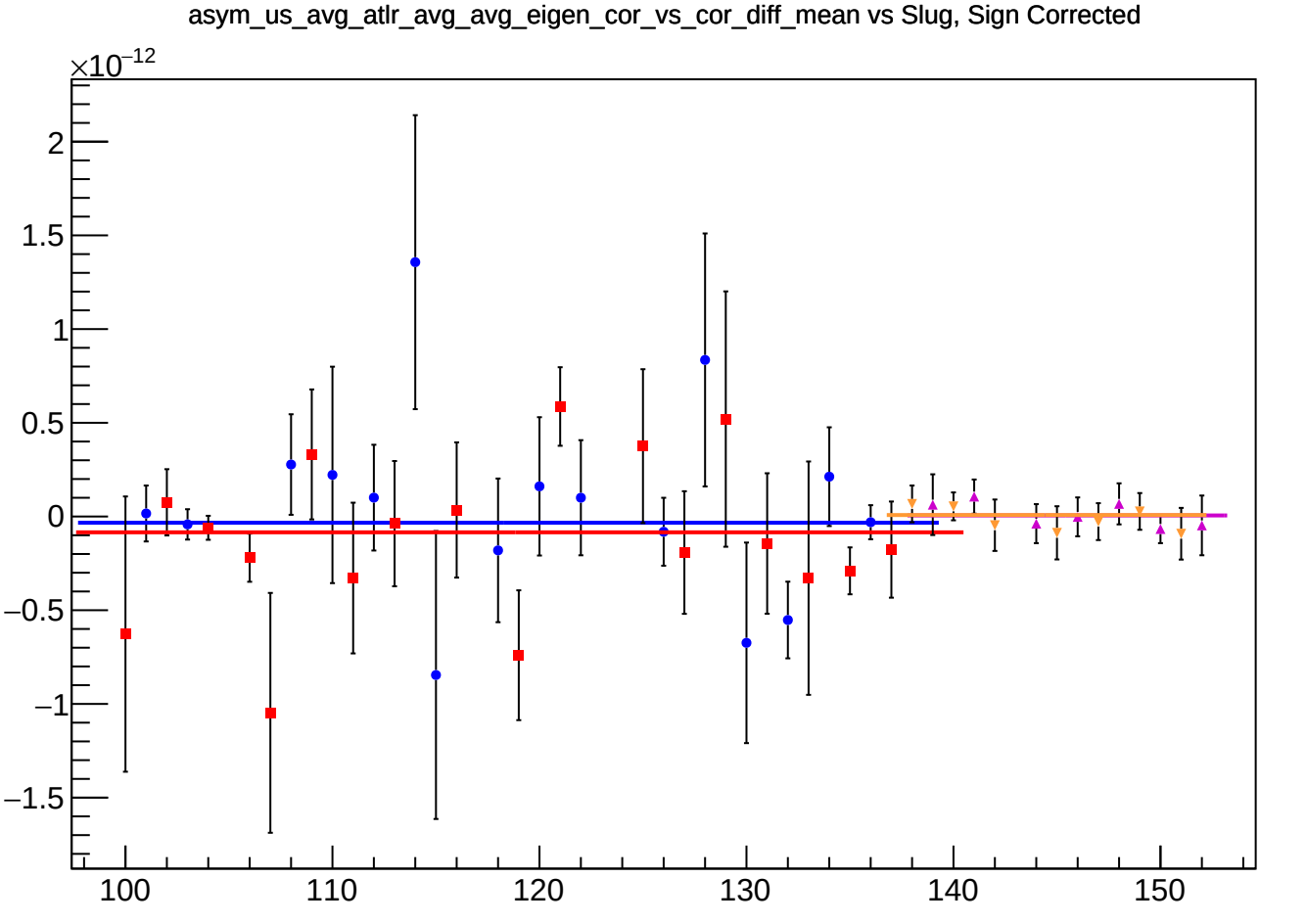
Left: 375.487+/-0.081 χ^2/NDF: 664885.1/13

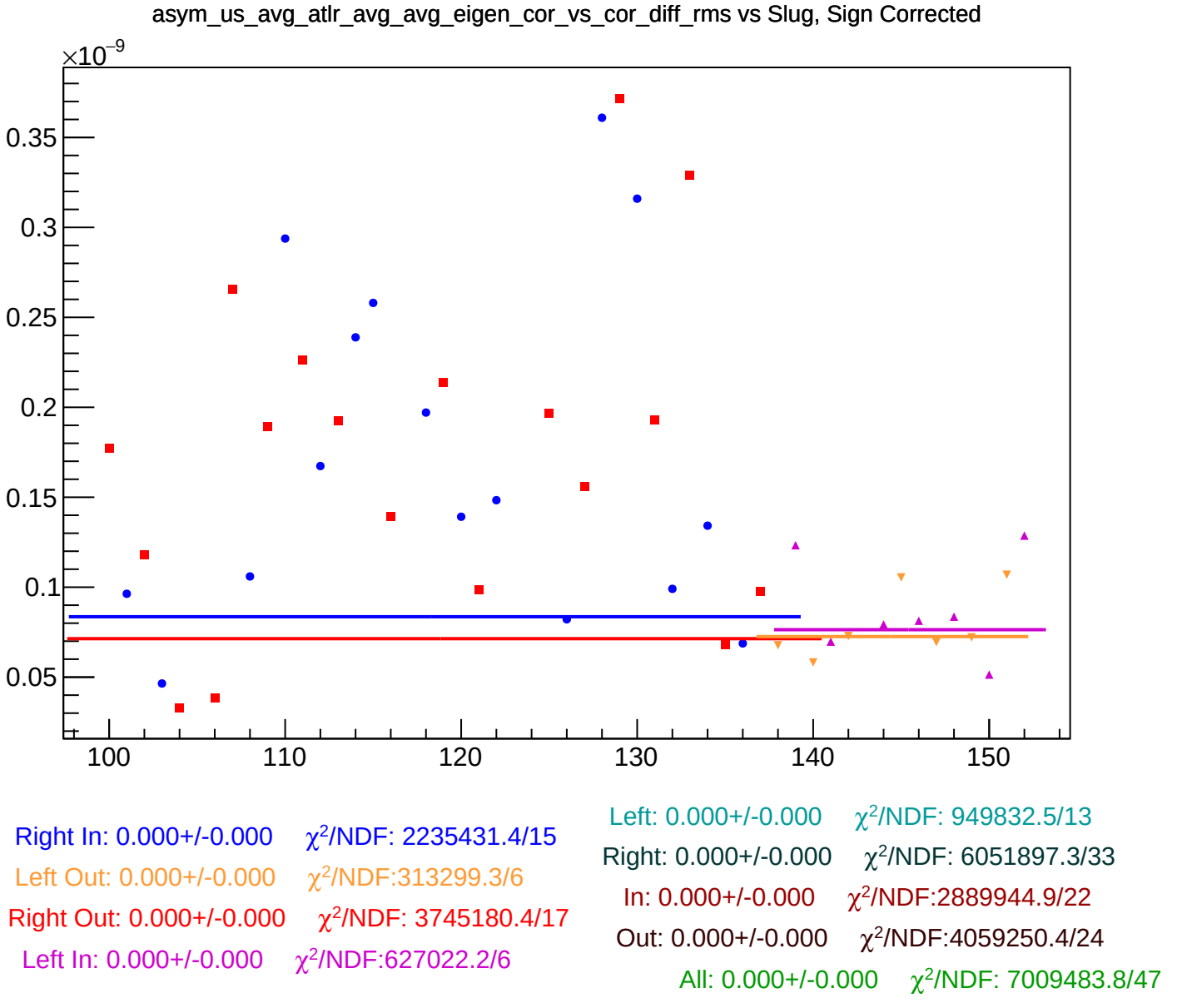
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

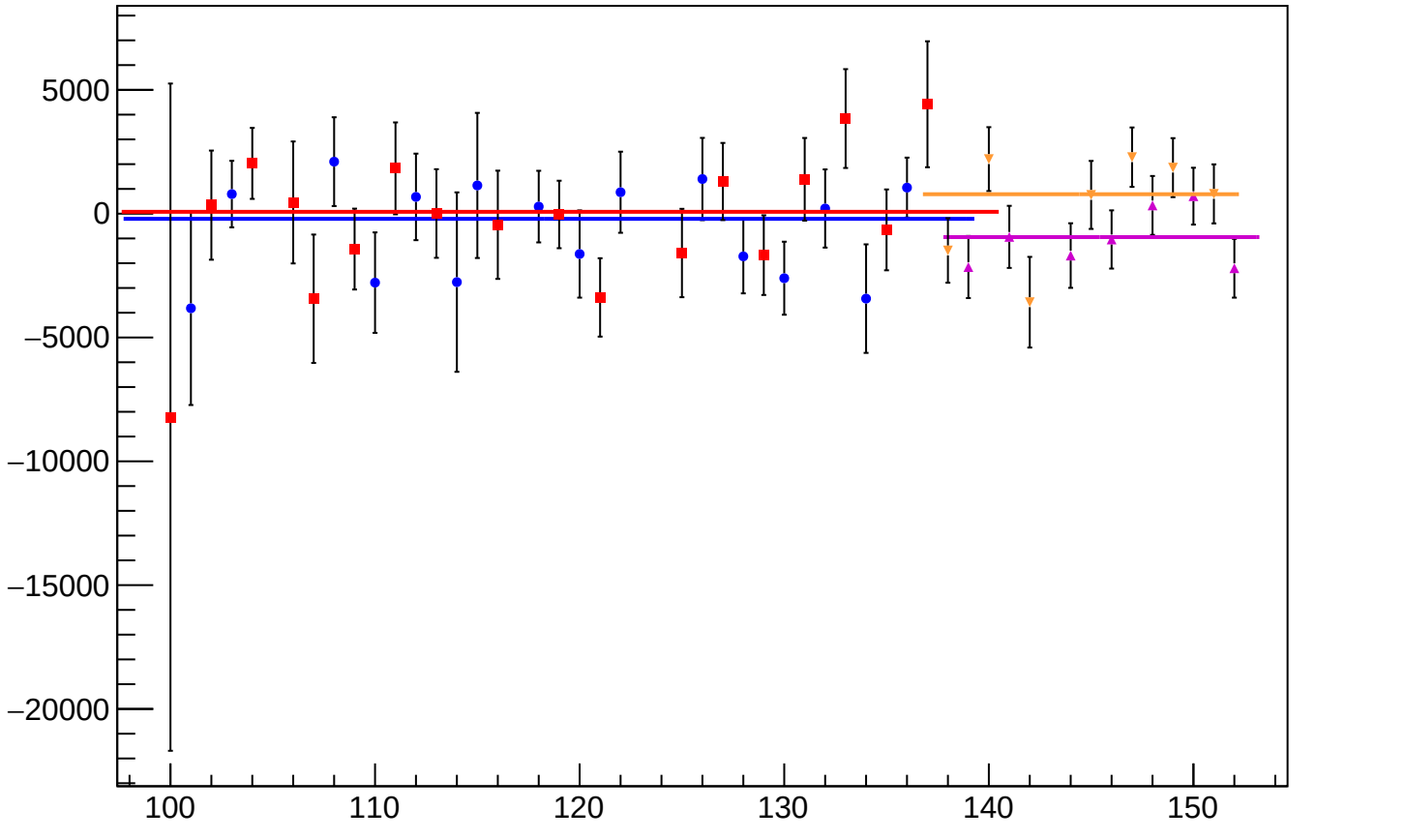
In: 258.799+/-0.054 χ^2/NDF:2655775.0/22

Out: 246.676+/-0.055 χ^2/NDF:3580031.6/24

All: 252.863+/-0.039 χ^2/NDF: 6260418.7/47


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:2.9/6
Left: 0.000+/-0.000 χ²/NDF: 4.9/13
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:20.5/22
Out: -0.000+/-0.000 χ²/NDF:30.3/24
All: -0.000+/-0.000 χ²/NDF: 51.1/47


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:627022.2/6
Left: 0.000+/-0.000 χ²/NDF: 949832.5/13
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:2889944.9/22
Out: 0.000+/-0.000 χ²/NDF:4059250.4/24
All: 0.000+/-0.000 χ²/NDF: 7009483.8/47



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: -945.690+/-458.403 χ^2/NDF:5.6/6

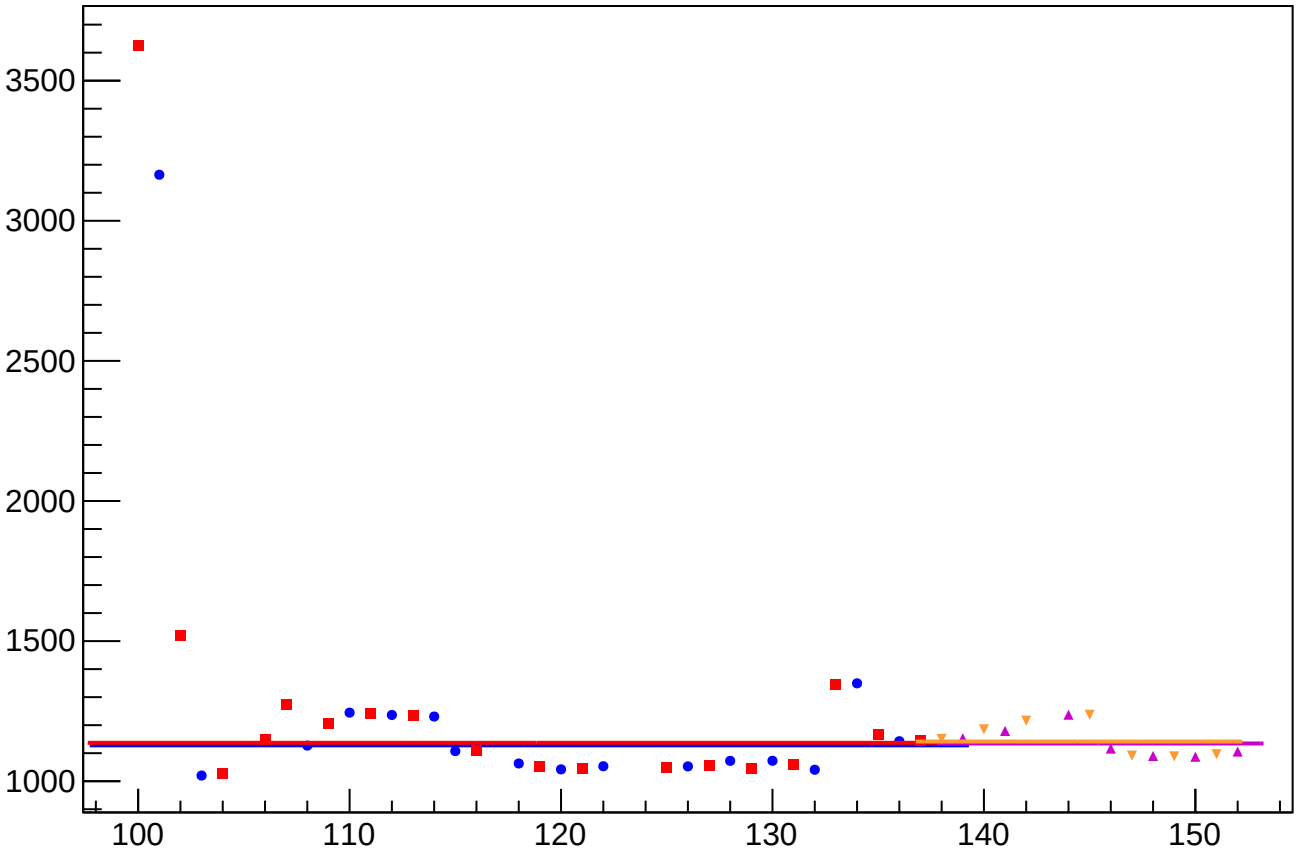
Left: -141.910+/-335.572 χ^2/NDF: 24.5/13

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -552.742+/-313.288 χ^2/NDF:21.8/22

Out: 383.542+/-324.261 χ^2/NDF:34.1/24

All: -100.709+/-225.307 χ^2/NDF: 60.2/47



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: 1134.624+/-0.324 χ^2/NDF:23257.8/6

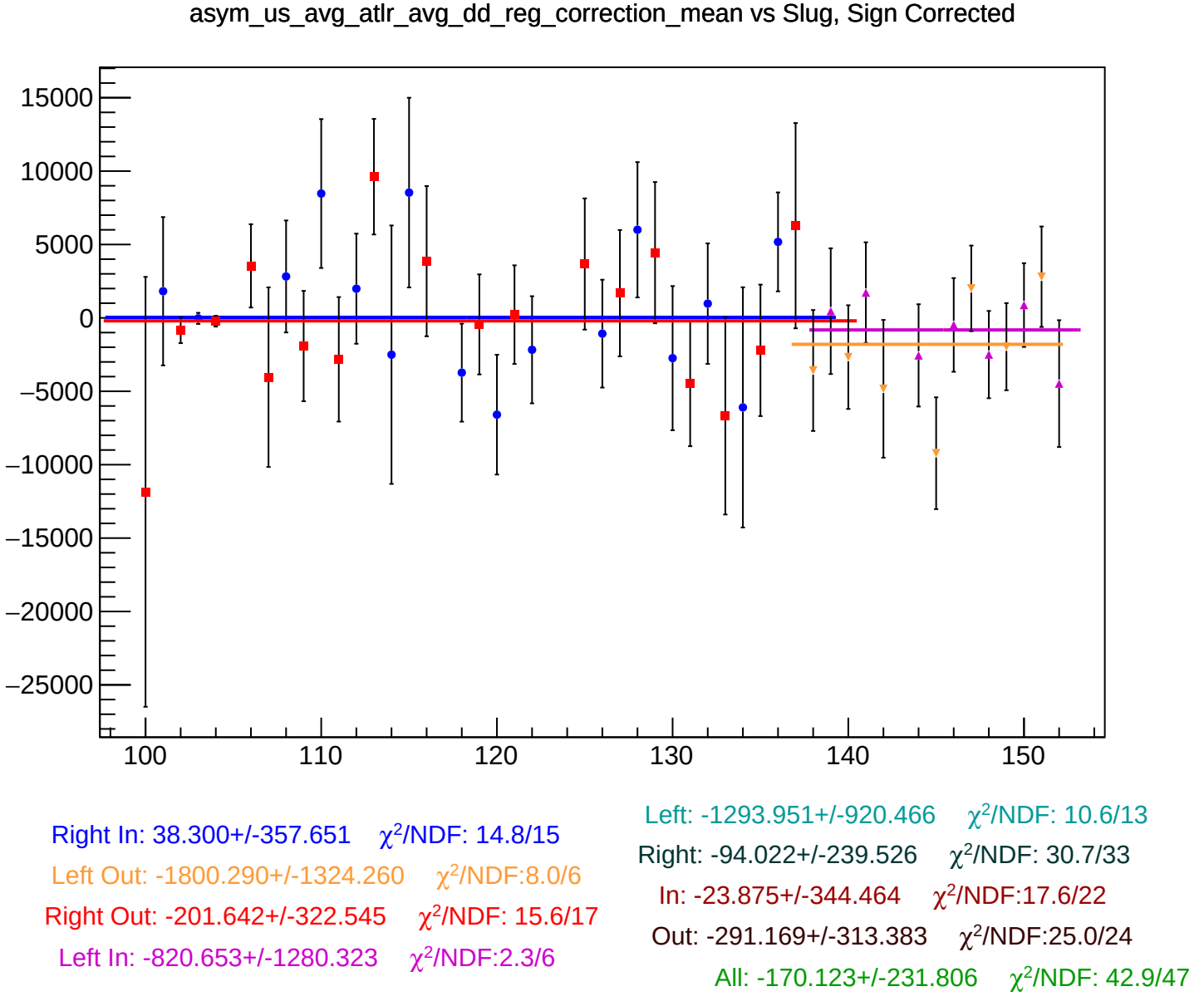
Left: 1137.890+/-0.237 χ^2/NDF: 49139.6/13

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

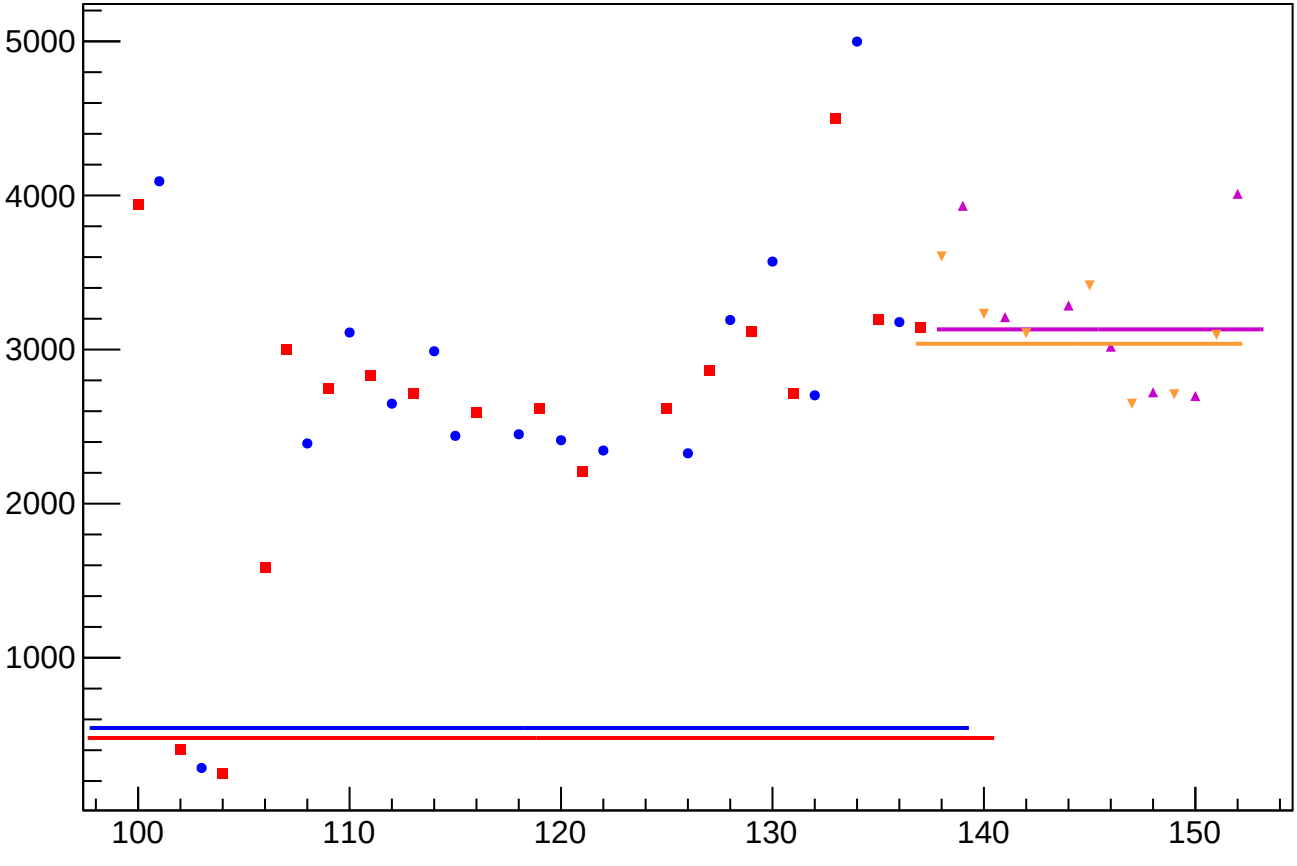
In: 1131.098+/-0.222 χ^2/NDF:644874.4/22

Out: 1139.039+/-0.229 χ^2/NDF:245849.0/24

All: 1134.936+/-0.159 χ^2/NDF: 891344.5/47


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: -820.653+/-1280.323 χ²/NDF:2.3/6
Left: -1293.951+/-920.466 χ²/NDF: 10.6/13
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -23.875+/-344.464 χ²/NDF:17.6/22
Out: -291.169+/-313.383 χ²/NDF:25.0/24
All: -170.123+/-231.806 χ²/NDF: 42.9/47

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: 3131.082+/-0.905 χ^2/NDF:244248.9/6

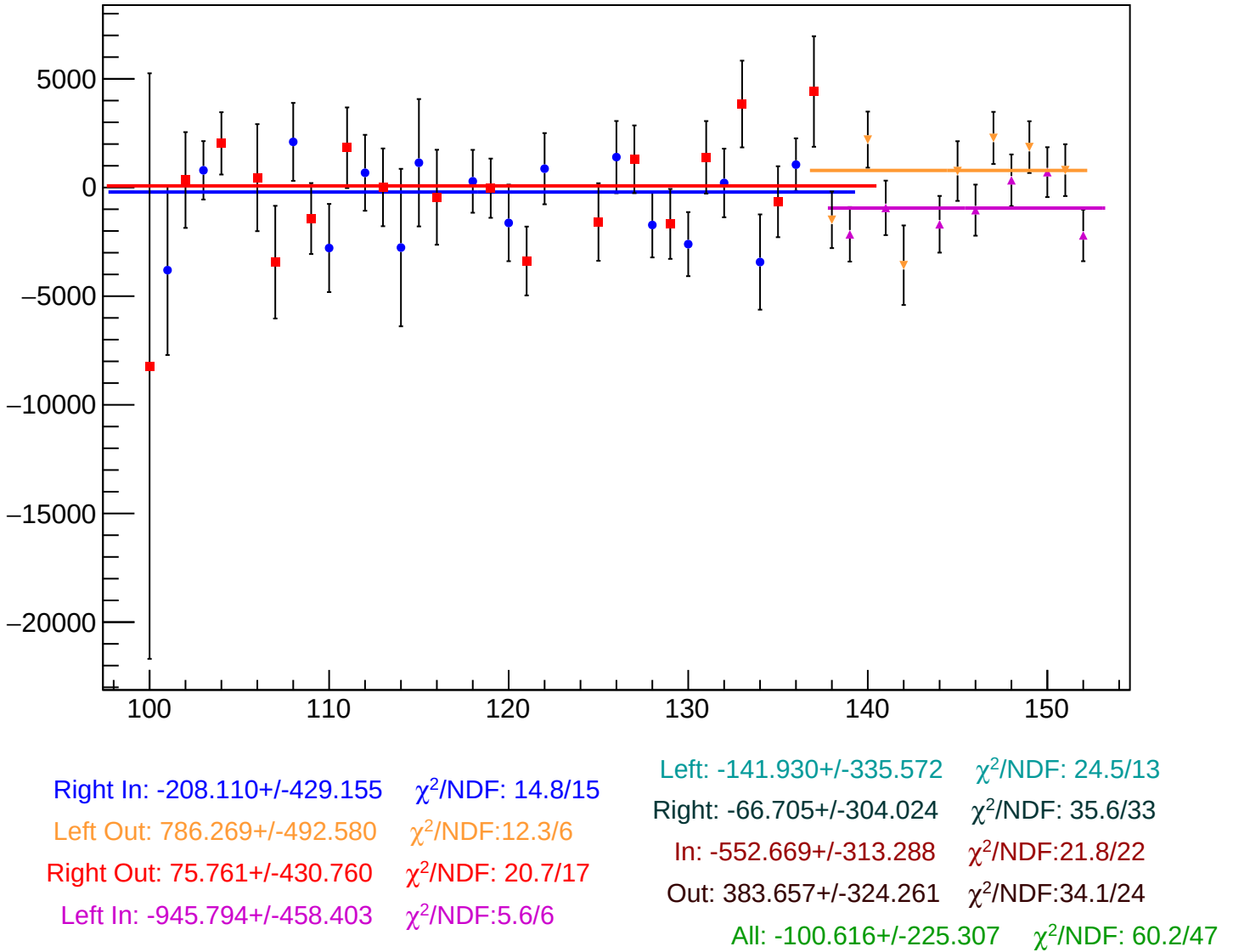
Left: 3085.949+/-0.651 χ^2/NDF: 374102.9/13

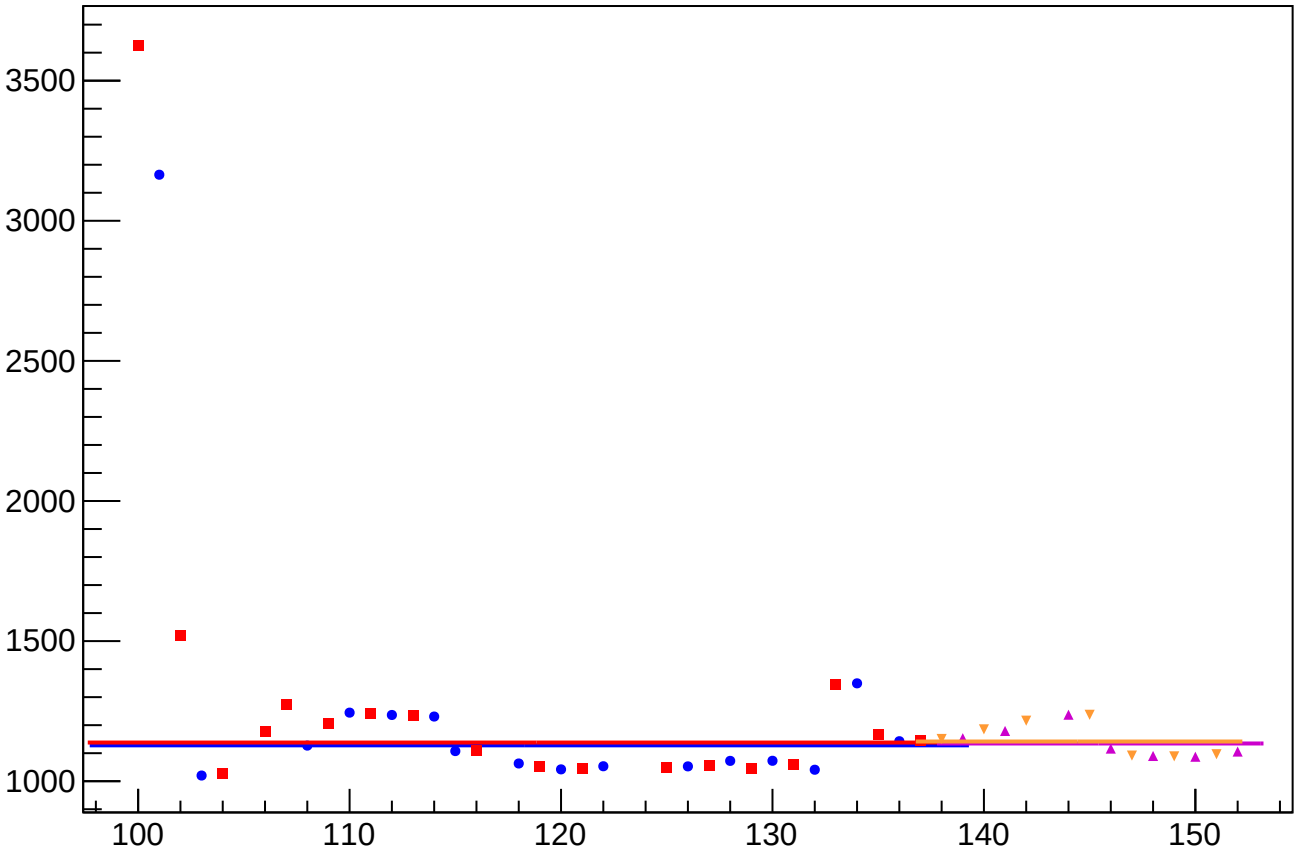
Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 731.577+/-0.244 χ^2/NDF:17500183.6/22

Out: 622.529+/-0.222 χ^2/NDF:16359557.2/24

All: 671.913+/-0.164 χ^2/NDF: 33969407.8/47


cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 786.269+/-492.580 χ²/NDF:12.3/6
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -945.794+/-458.403 χ²/NDF:5.6/6
Left: -141.930+/-335.572 χ²/NDF: 24.5/13
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -552.669+/-313.288 χ²/NDF:21.8/22
Out: 383.657+/-324.261 χ²/NDF:34.1/24
All: -100.616+/-225.307 χ²/NDF: 60.2/47



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: 1134.624+/-0.324 χ^2/NDF:23257.8/6

Left: 1137.890+/-0.237 χ^2/NDF: 49139.6/13

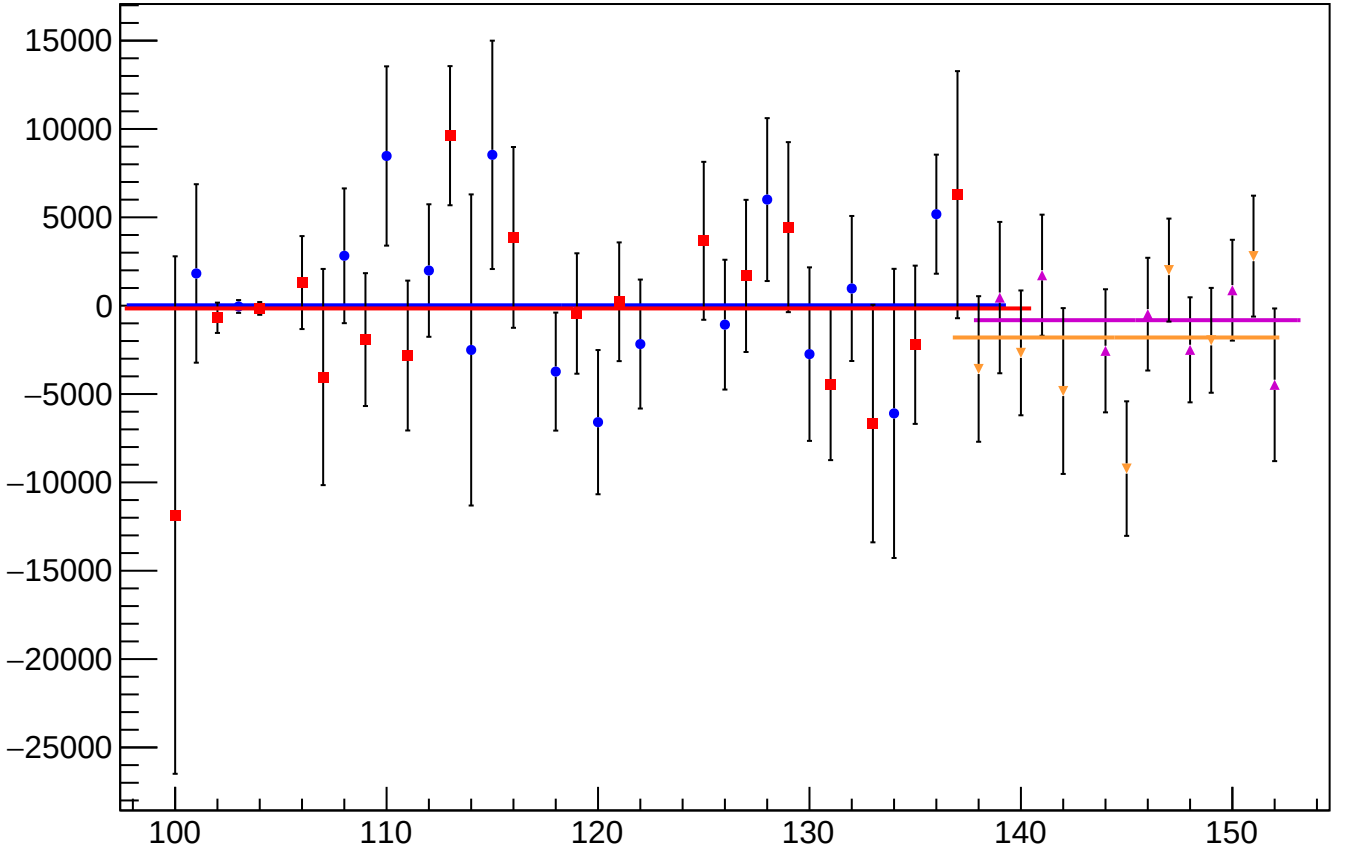
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1131.098+/-0.222 χ^2/NDF:644875.5/22

Out: 1139.585+/-0.229 χ^2/NDF:246350.1/24

All: 1135.197+/-0.159 χ^2/NDF: 891934.6/47

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -1800.187+/-1324.259 χ^2/NDF:8.0/6

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -820.637+/-1280.323 χ^2/NDF:2.3/6

Left: -1293.893+/-920.466 χ^2/NDF: 10.6/13

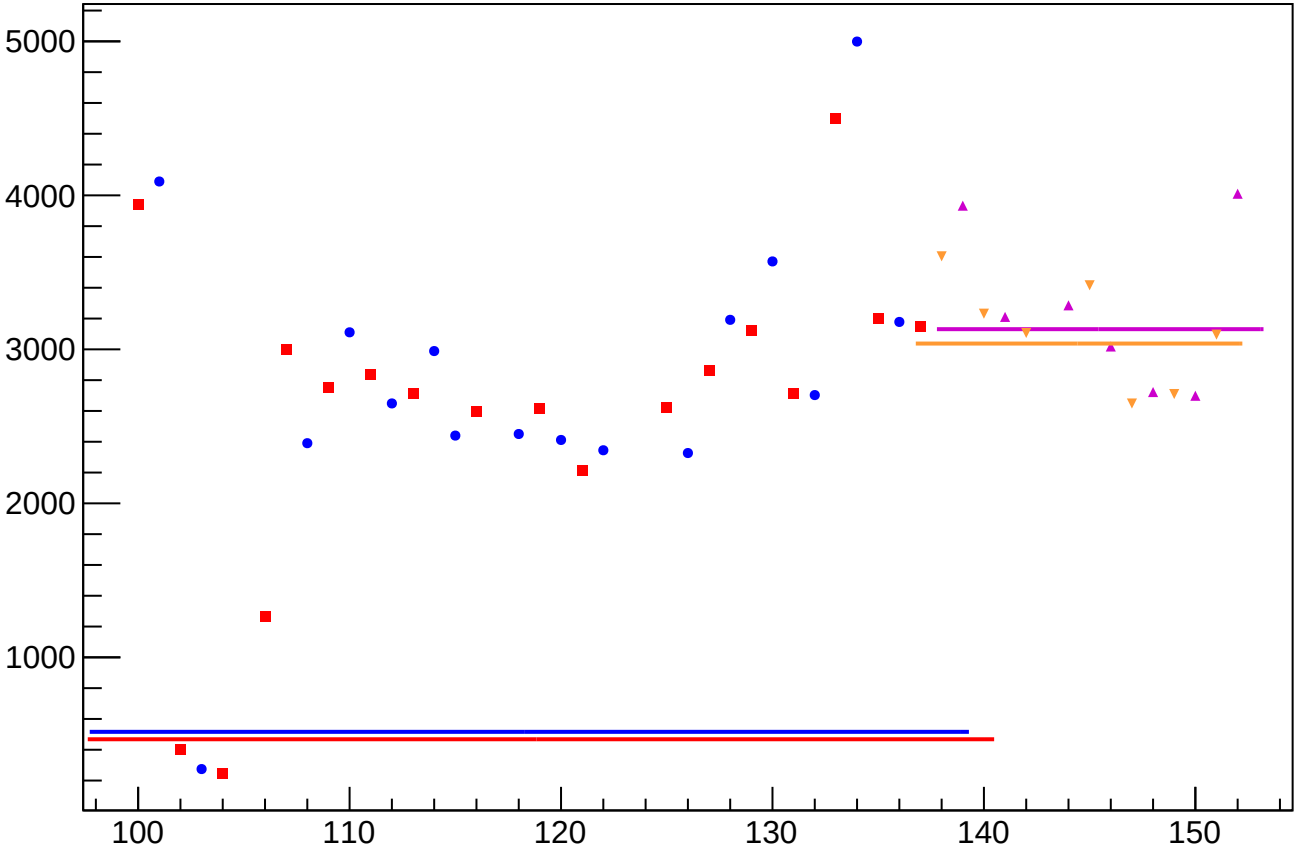
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -35.227+/-332.691 χ^2/NDF:17.6/22

Out: -245.523+/-308.628 χ^2/NDF:23.4/24

All: -148.255+/-226.262 χ^2/NDF: 41.2/47

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: 3131.081+/-0.905 χ^2/NDF:244249.8/6

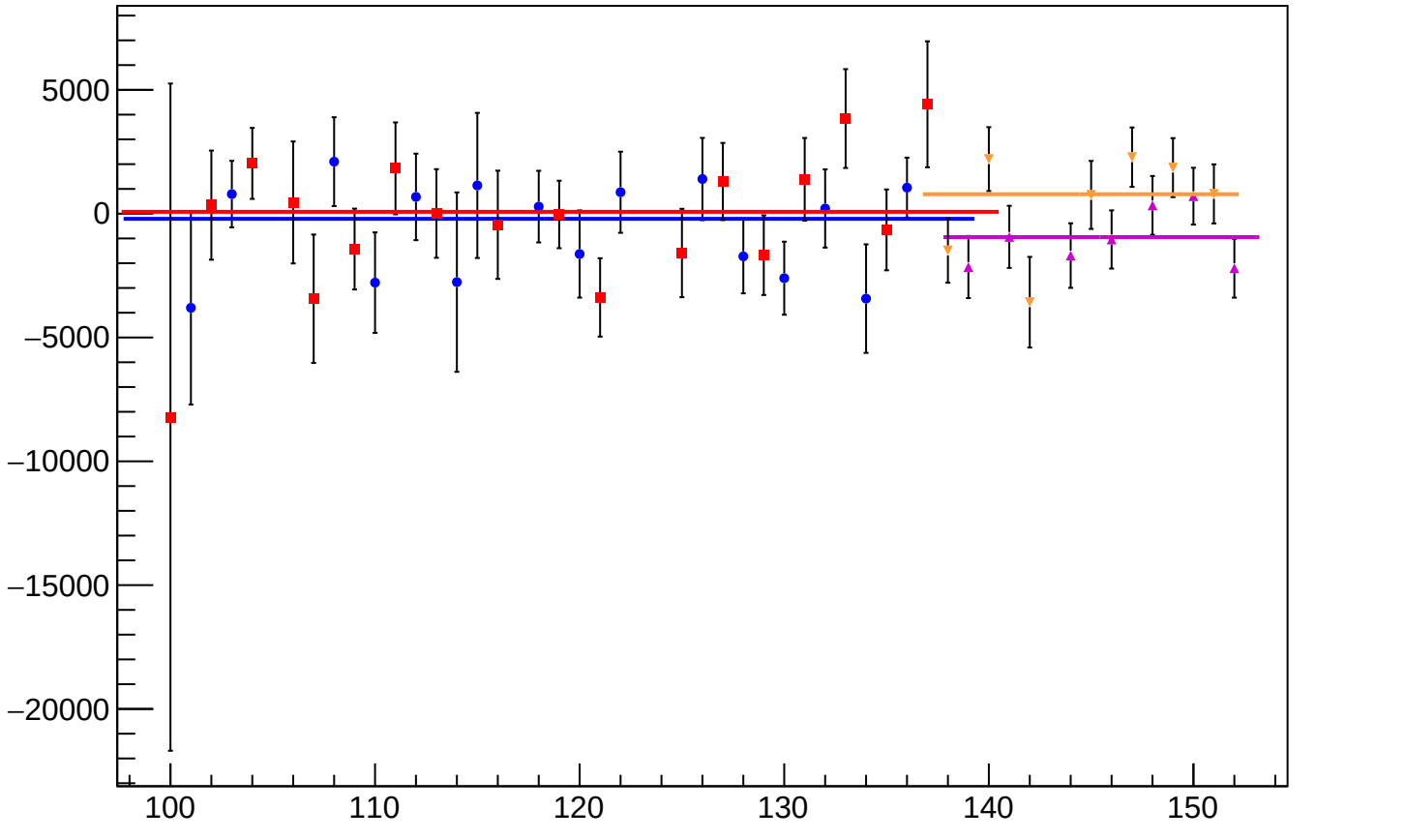
Left: 3085.947+/-0.651 χ^2/NDF: 374102.0/13

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 692.851+/-0.235 χ^2/NDF:17857518.6/22

Out: 607.629+/-0.218 χ^2/NDF:16357284.8/24

All: 647.047+/-0.160 χ^2/NDF: 34285337.8/47



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: -945.794+/-458.403 χ^2/NDF:5.6/6

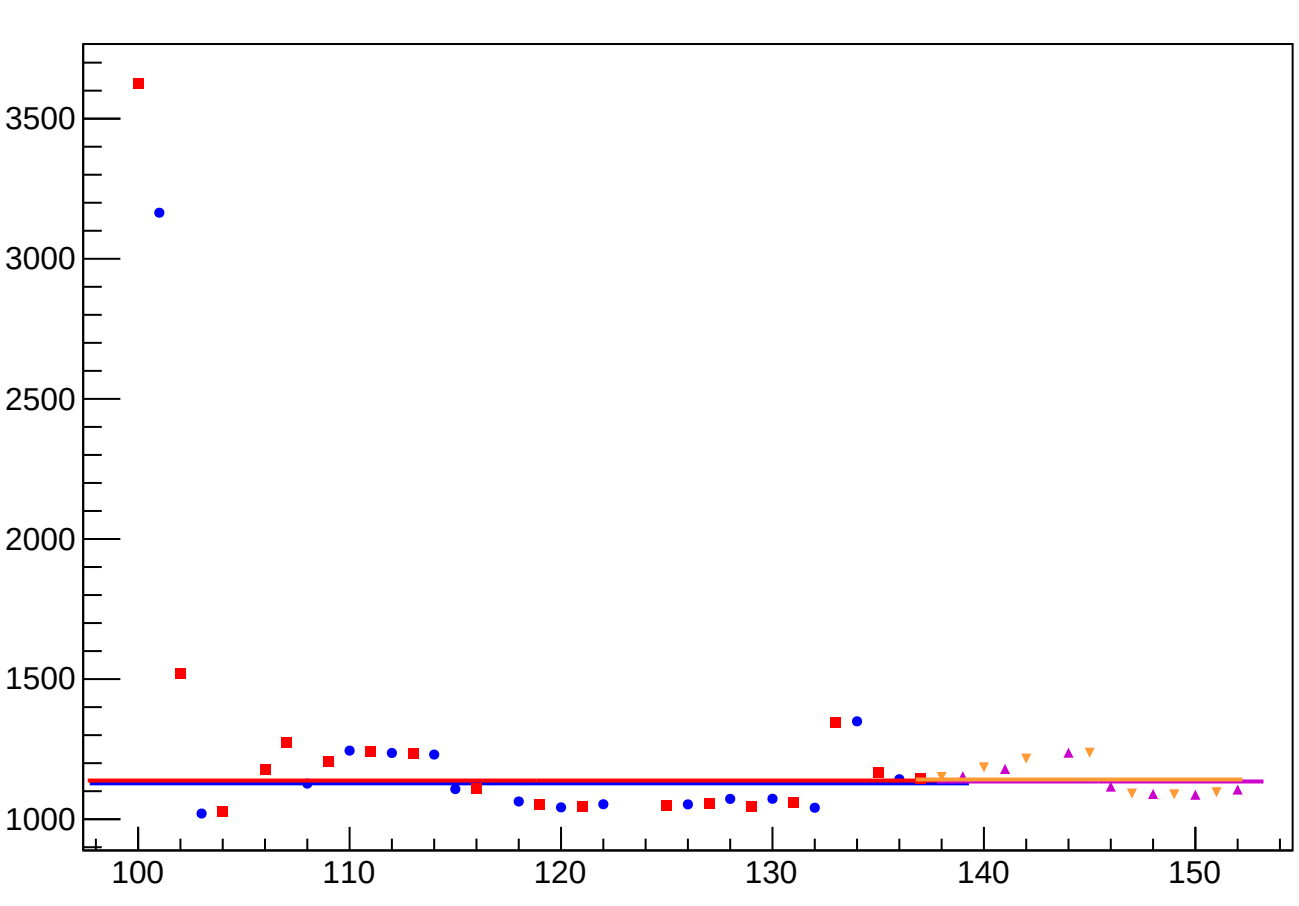
Left: -141.930+/-335.572 χ^2/NDF: 24.5/13

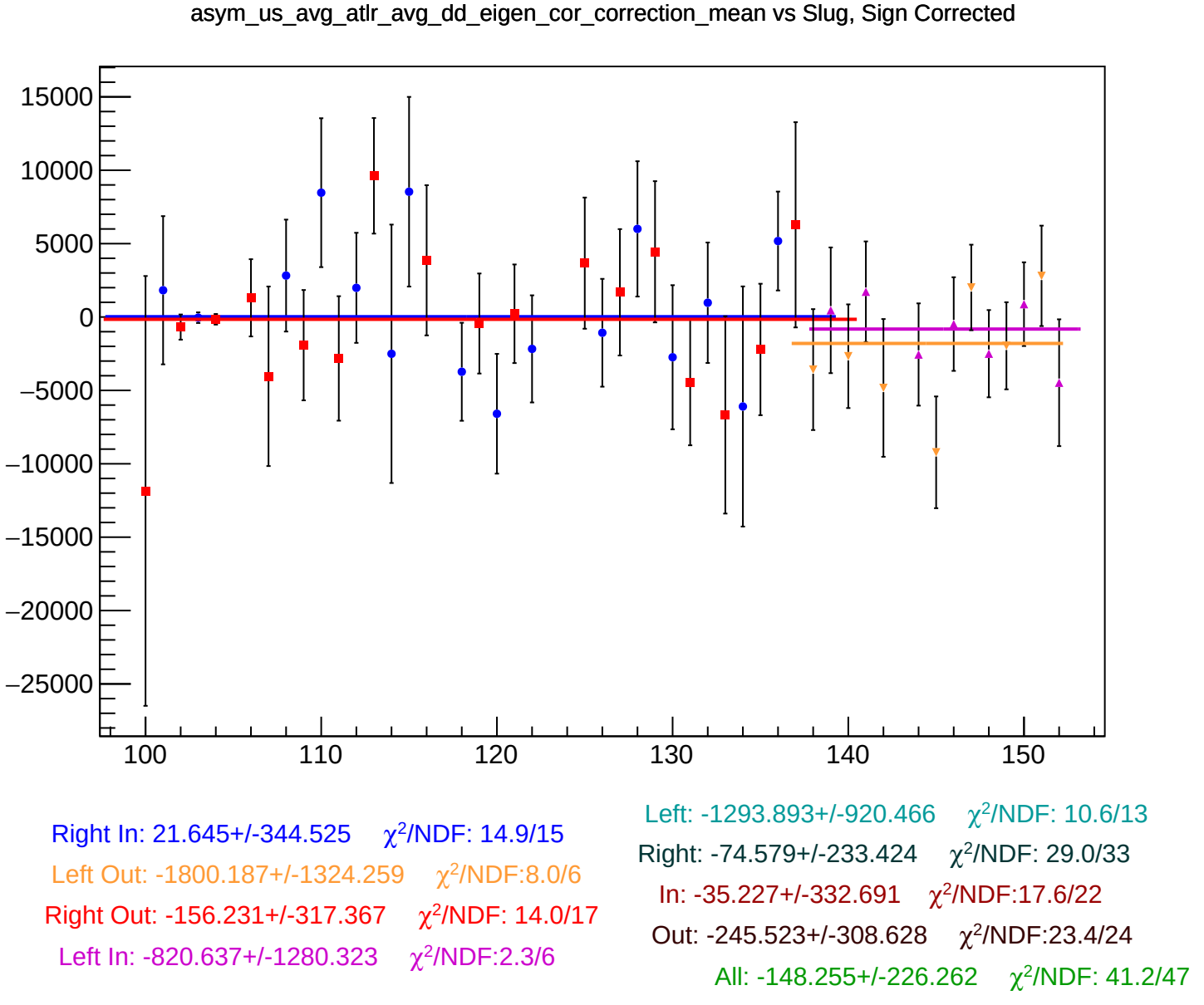
Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -552.669+/-313.288 χ^2/NDF:21.8/22

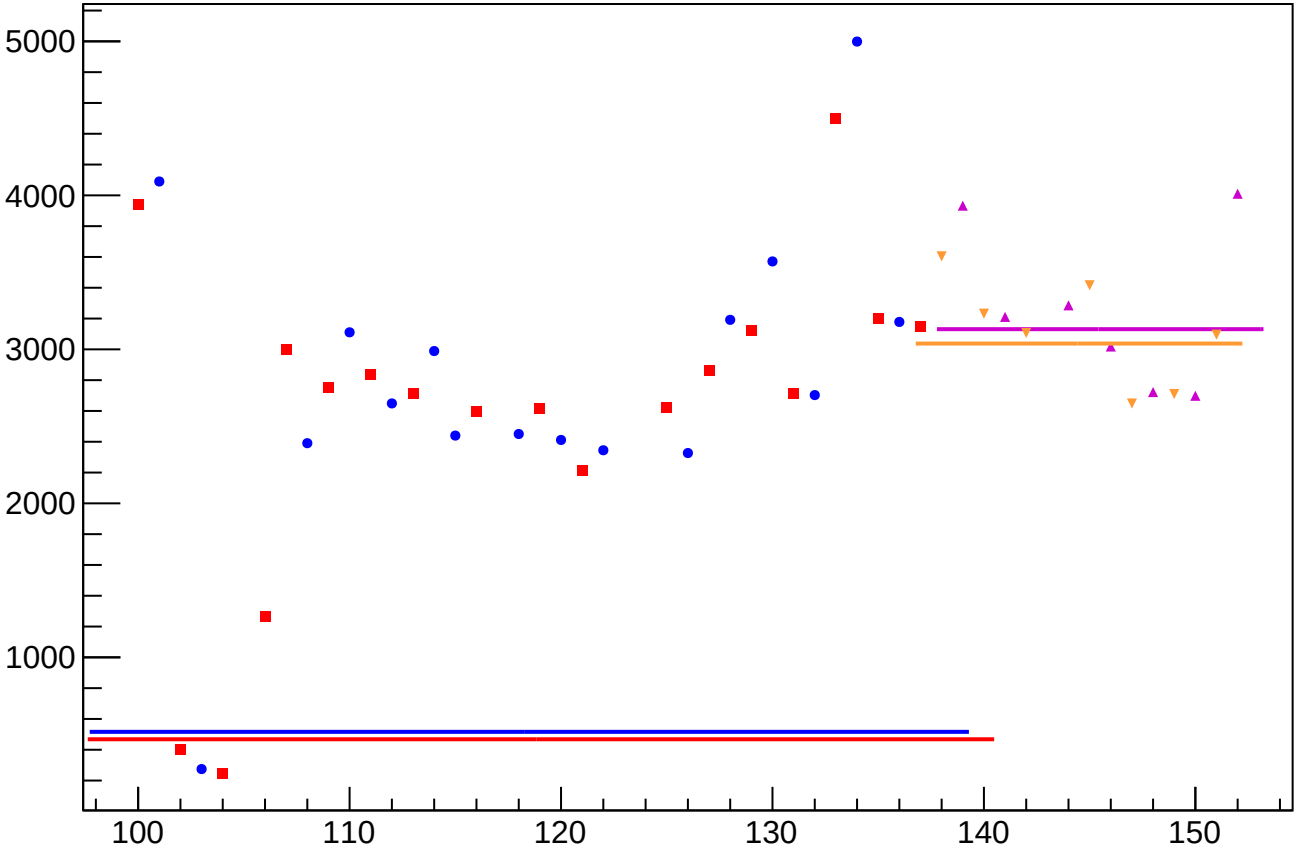
Out: 383.657+/-324.261 χ^2/NDF:34.1/24

All: -100.616+/-225.307 χ^2/NDF: 60.2/47


eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 1128.007+/-0.303 χ²/NDF: 621395.6/15
Left Out: 1141.661+/-0.348 χ²/NDF:25663.0/6
Right Out: 1138.000+/-0.304 χ²/NDF: 220624.5/17
Left In: 1134.624+/-0.324 χ²/NDF:23257.8/6
Left: 1137.890+/-0.237 χ²/NDF: 49139.6/13
Right: 1132.987+/-0.215 χ²/NDF: 842560.5/33
In: 1131.098+/-0.222 χ²/NDF:644875.5/22
Out: 1139.585+/-0.229 χ²/NDF:246350.1/24
All: 1135.197+/-0.159 χ²/NDF: 891934.6/47


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: -820.637+/-1280.323 χ²/NDF:2.3/6
Left: -1293.893+/-920.466 χ²/NDF: 10.6/13
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -35.227+/-332.691 χ²/NDF:17.6/22
Out: -245.523+/-308.628 χ²/NDF:23.4/24
All: -148.255+/-226.262 χ²/NDF: 41.2/47

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: 3131.081+/-0.905 χ^2/NDF:244249.8/6

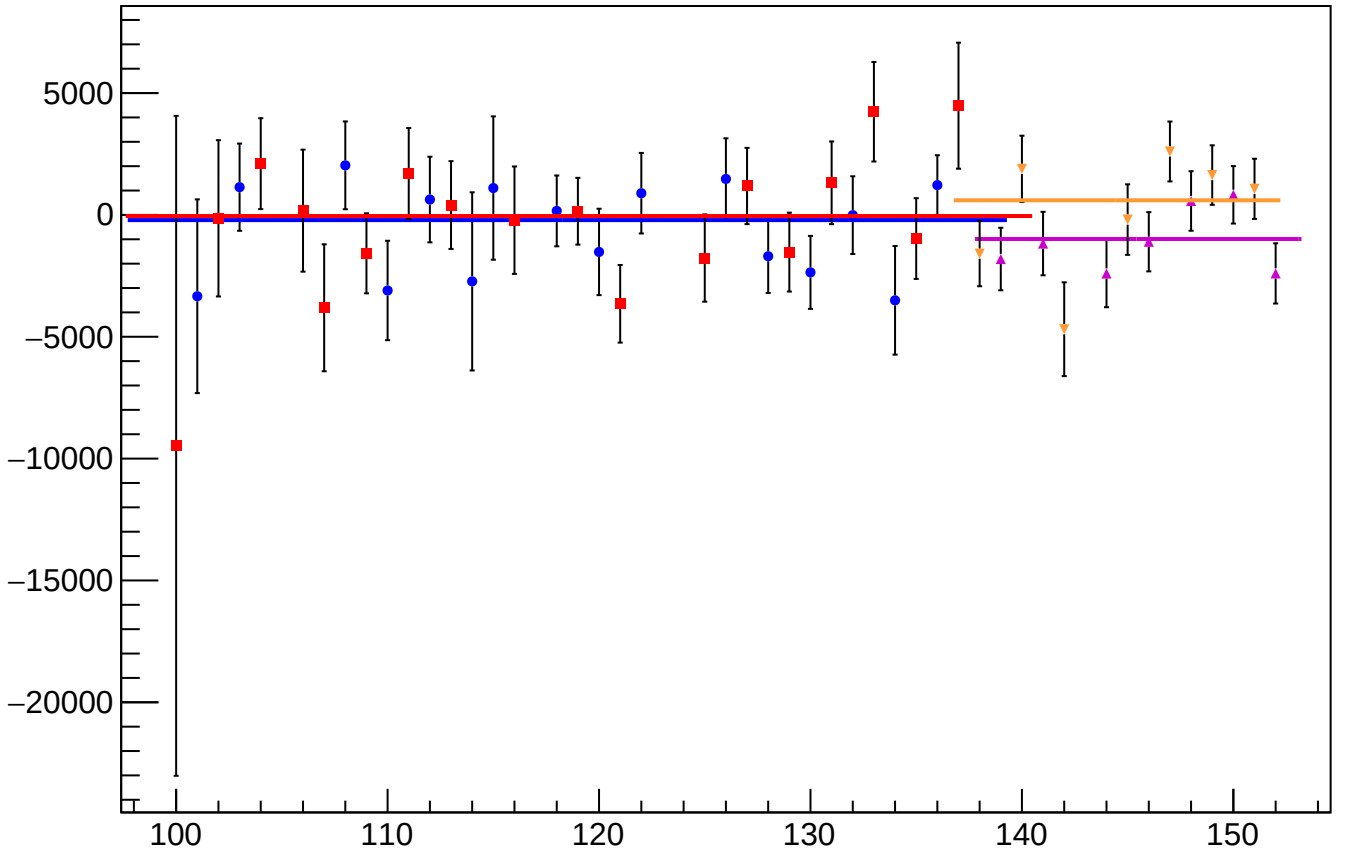
Left: 3085.947+/-0.651 χ^2/NDF: 374102.0/13

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 692.851+/-0.235 χ^2/NDF:17857518.6/22

Out: 607.629+/-0.218 χ^2/NDF:16357284.8/24

All: 647.047+/-0.160 χ^2/NDF: 34285337.8/47



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: -988.716+/-474.396 χ^2/NDF:6.8/6

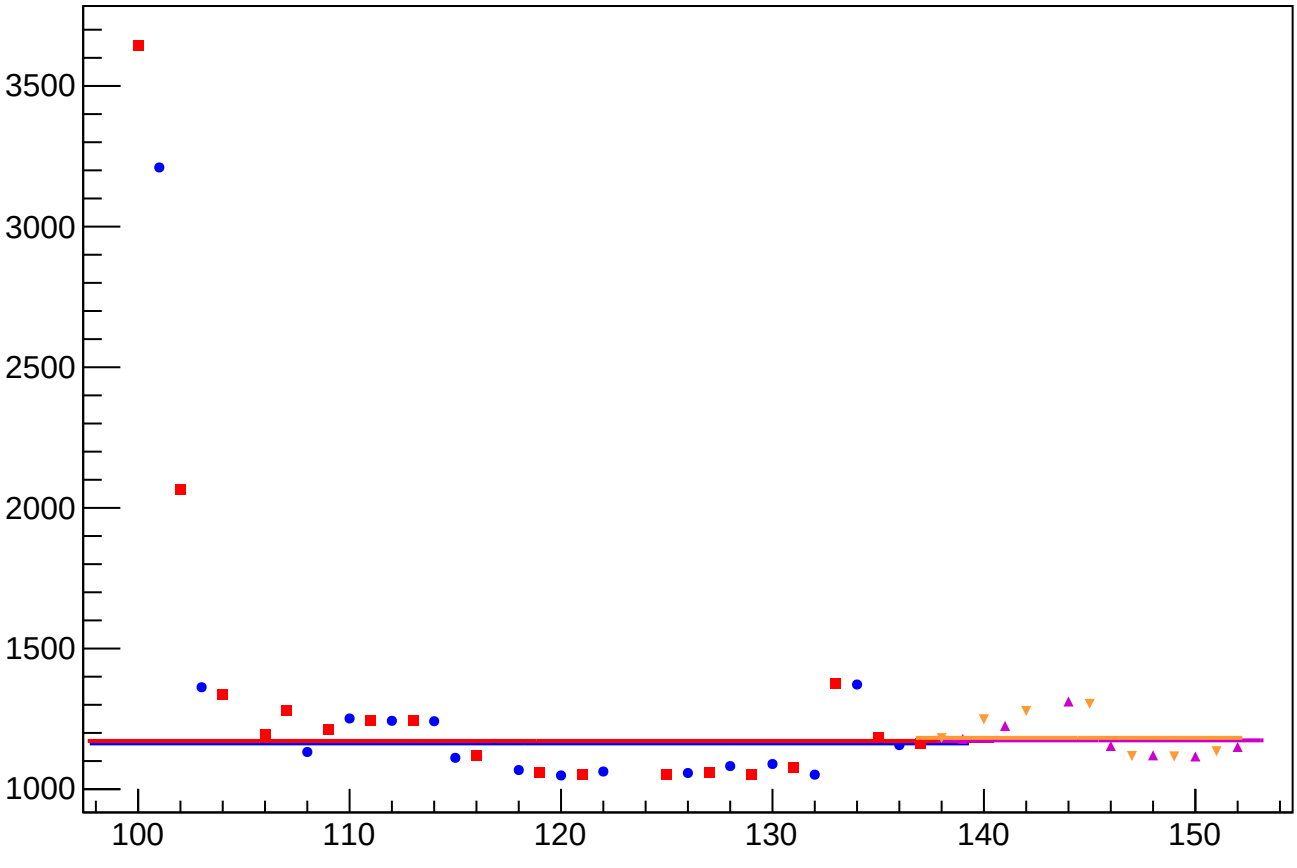
Left: -252.942+/-347.536 χ^2/NDF: 26.9/13

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -574.109+/-323.656 χ^2/NDF:22.5/22

Out: 234.432+/-336.415 χ^2/NDF:37.5/24

All: -185.462+/-233.240 χ^2/NDF: 63.1/47



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: 1173.598+/-0.335 χ^2/NDF:32858.0/6

Left: 1177.718+/-0.246 χ^2/NDF: 71059.2/13

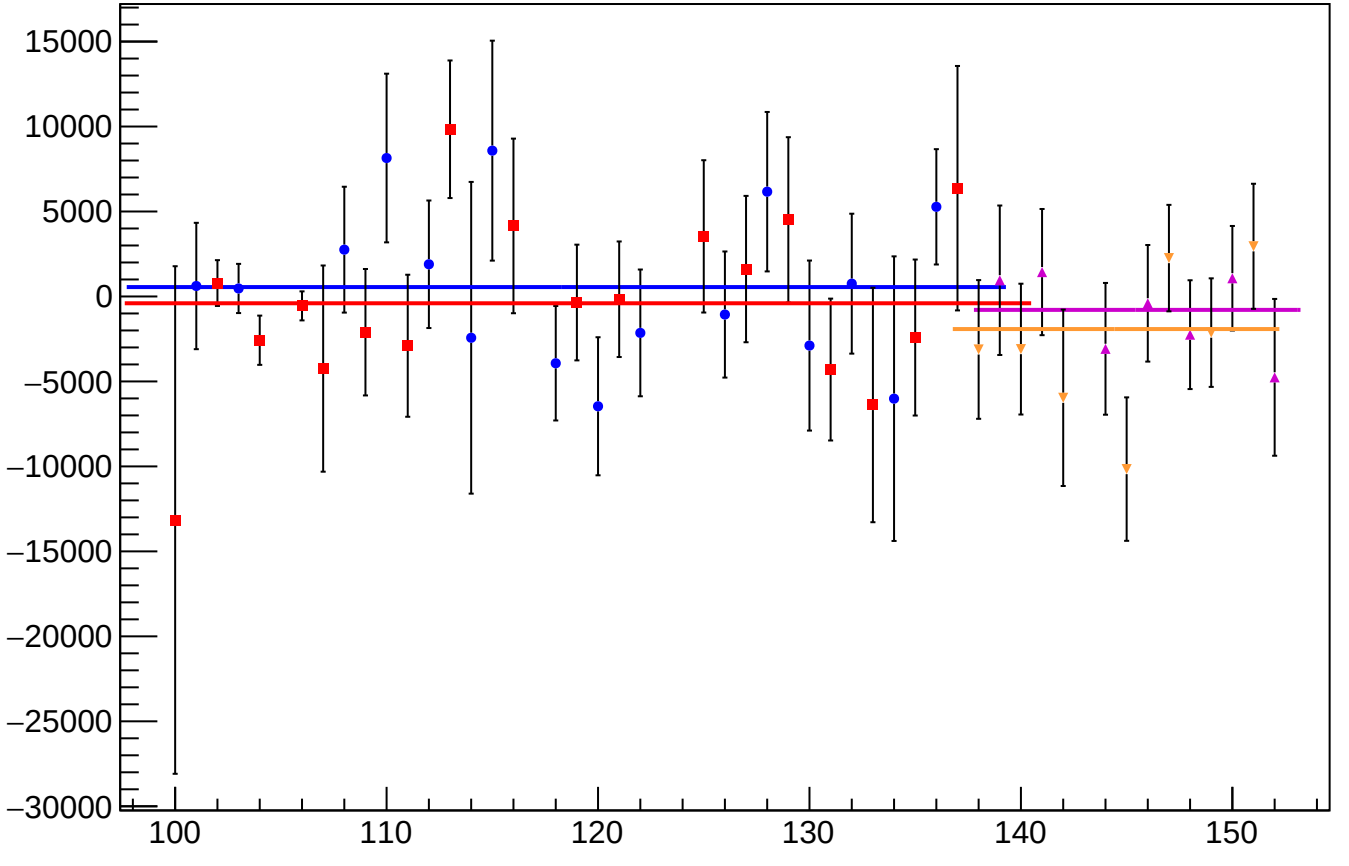
Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1167.854+/-0.229 χ^2/NDF:668760.1/22

Out: 1176.224+/-0.238 χ^2/NDF:370048.6/24

All: 1171.878+/-0.165 χ^2/NDF: 1039451.9/47

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: -789.445+/-1378.800 χ^2/NDF:2.2/6

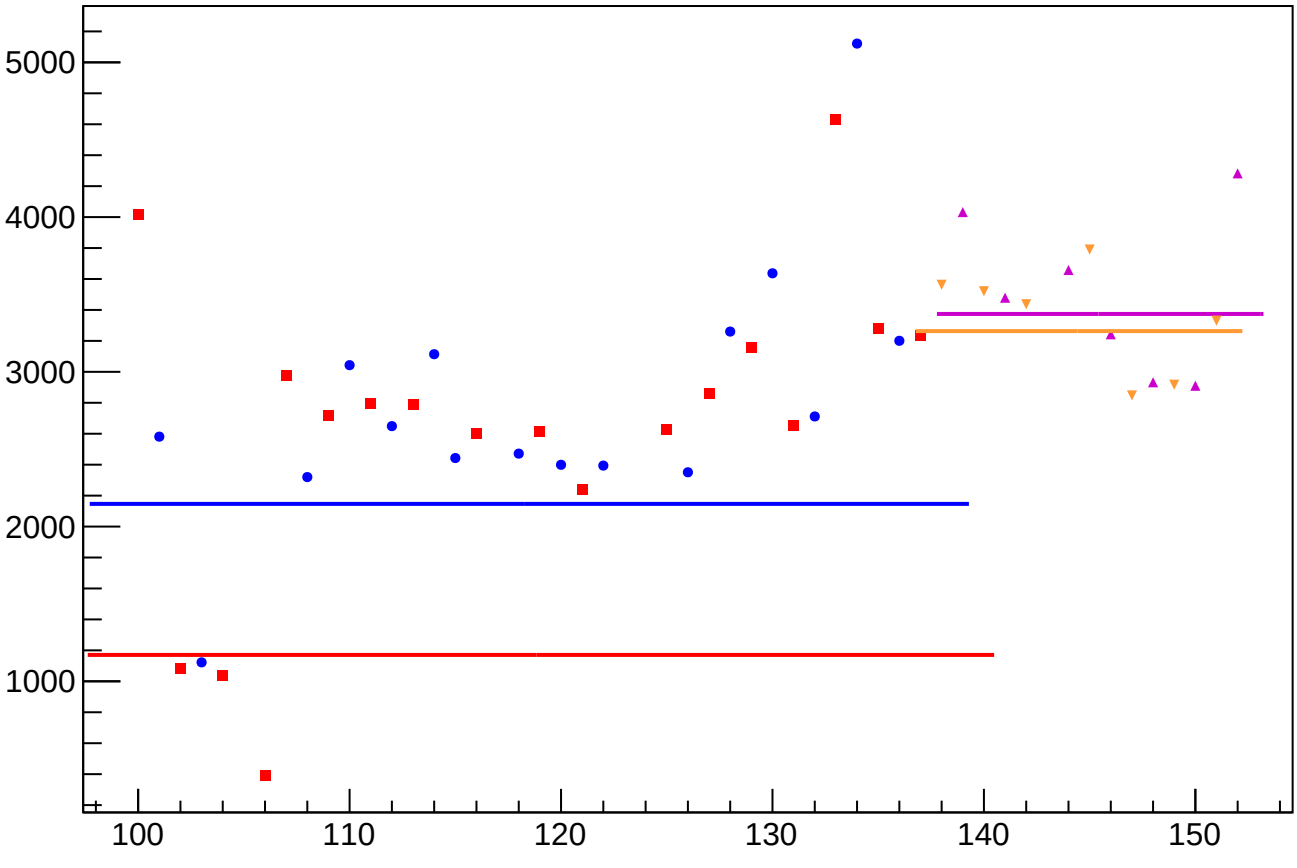
Left: -1336.268+/-989.869 χ^2/NDF: 10.6/13

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 167.782+/-738.265 χ^2/NDF:17.3/22

Out: -607.885+/-525.769 χ^2/NDF:25.8/24

All: -346.865+/-428.264 χ^2/NDF: 43.8/47



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: 3374.052+/-0.975 χ^2/NDF:221189.8/6

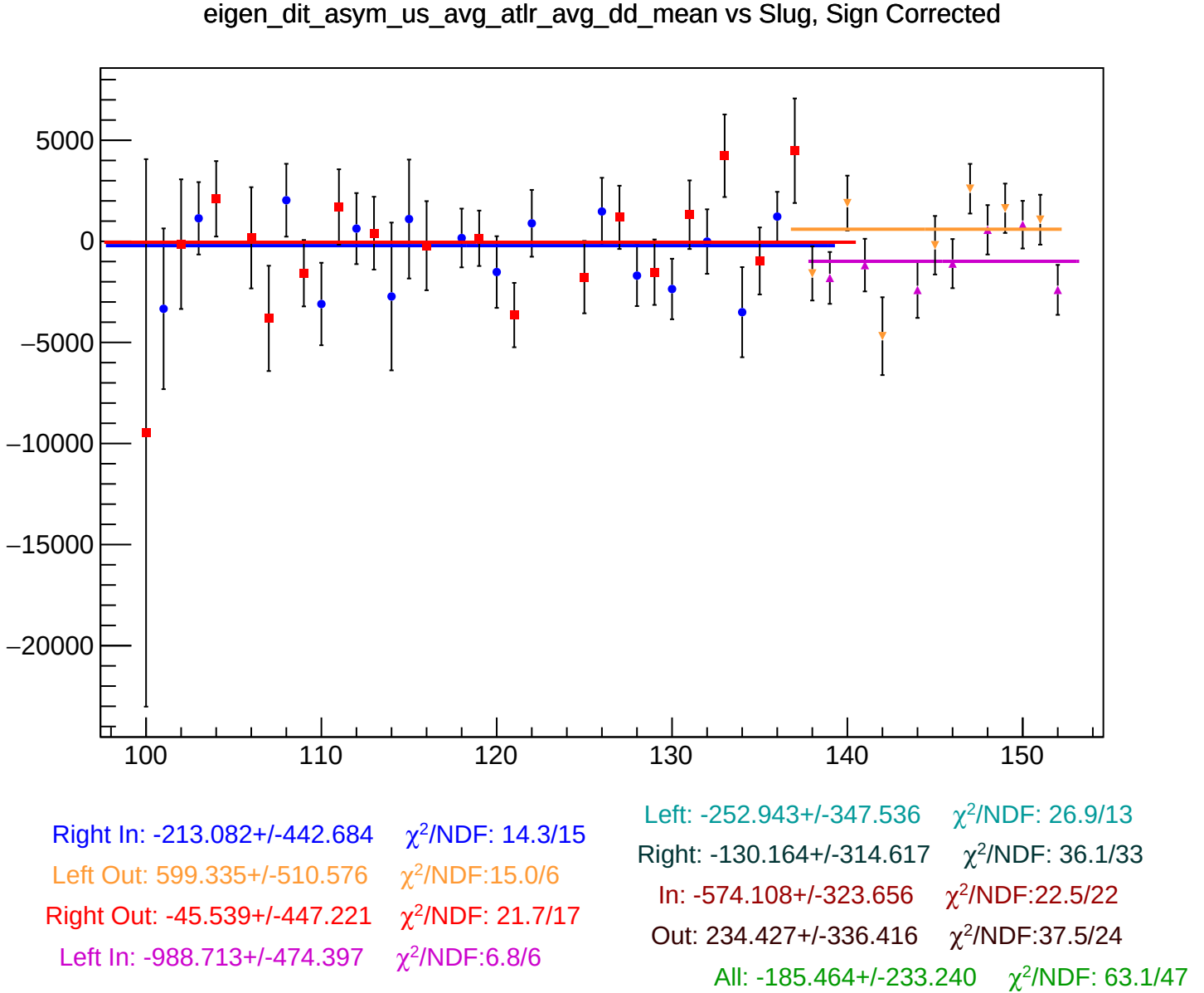
Left: 3320.396+/-0.700 χ^2/NDF: 340011.8/13

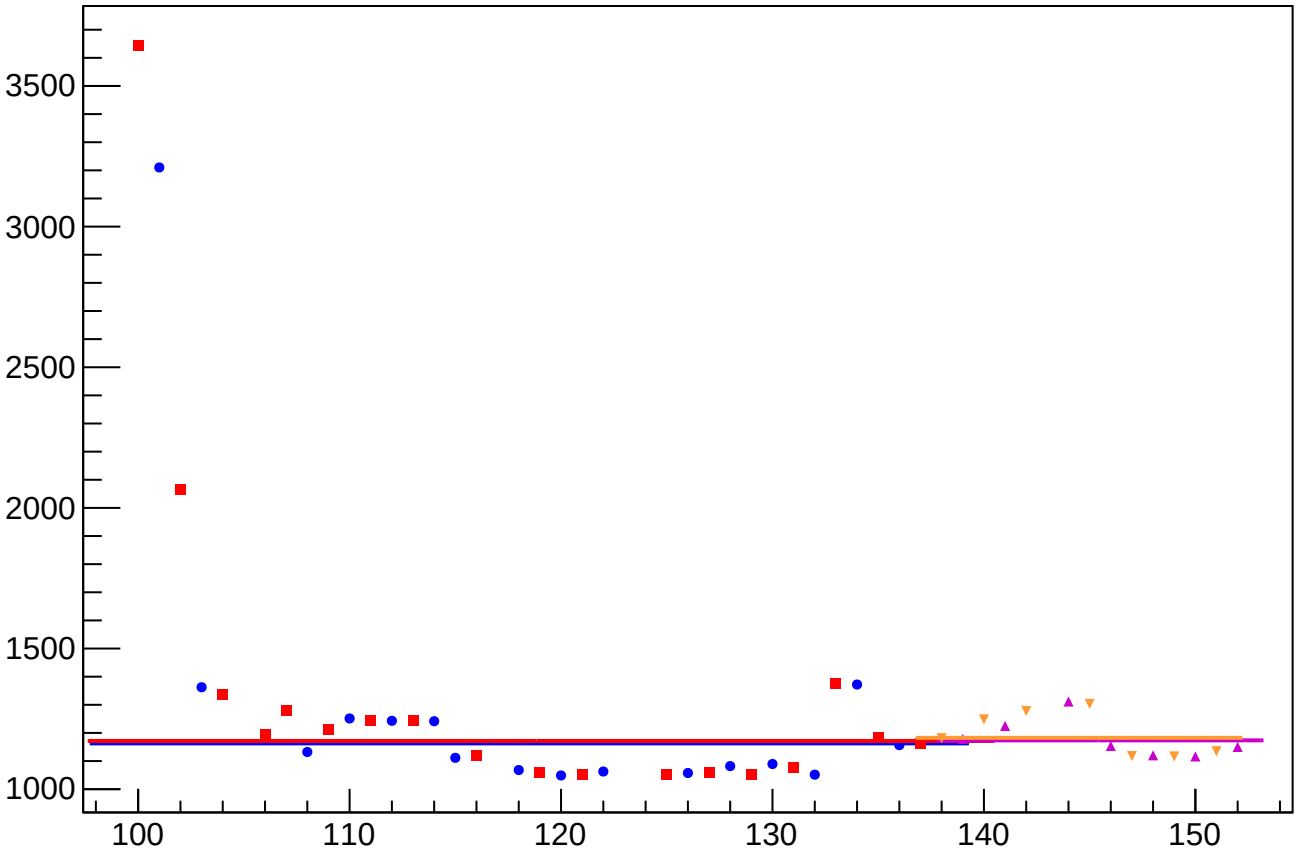
Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2498.517+/-0.522 χ^2/NDF:3326489.1/22

Out: 1456.680+/-0.372 χ^2/NDF:9669792.9/24

All: 1807.270+/-0.303 χ^2/NDF: 15638929.1/4


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: -988.713+/-474.397 χ²/NDF:6.8/6
Left: -252.943+/-347.536 χ²/NDF: 26.9/13
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -574.108+/-323.656 χ²/NDF:22.5/22
Out: 234.427+/-336.416 χ²/NDF:37.5/24
All: -185.464+/-233.240 χ²/NDF: 63.1/47



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: 1173.599+/-0.335 χ^2/NDF:32858.2/6

Left: 1177.719+/-0.246 χ^2/NDF: 71059.8/13

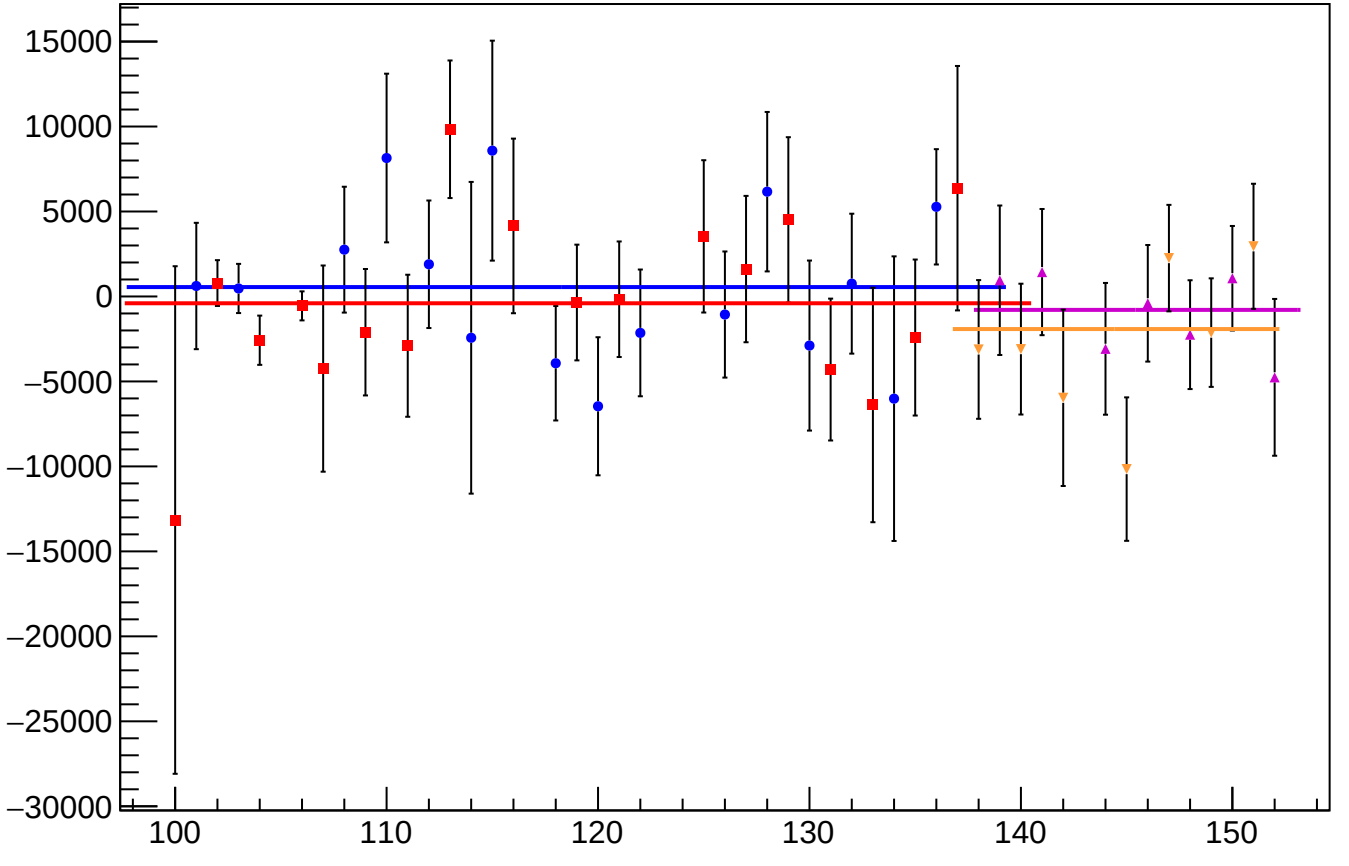
Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1167.854+/-0.229 χ^2/NDF:668760.5/22

Out: 1176.224+/-0.238 χ^2/NDF:370048.8/24

All: 1171.878+/-0.165 χ^2/NDF: 1039452.4/47

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -1917.873+/-1421.971 χ^2/NDF:8.1/6

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -789.442+/-1378.801 χ^2/NDF:2.2/6

Left: -1336.269+/-989.870 χ^2/NDF: 10.6/13

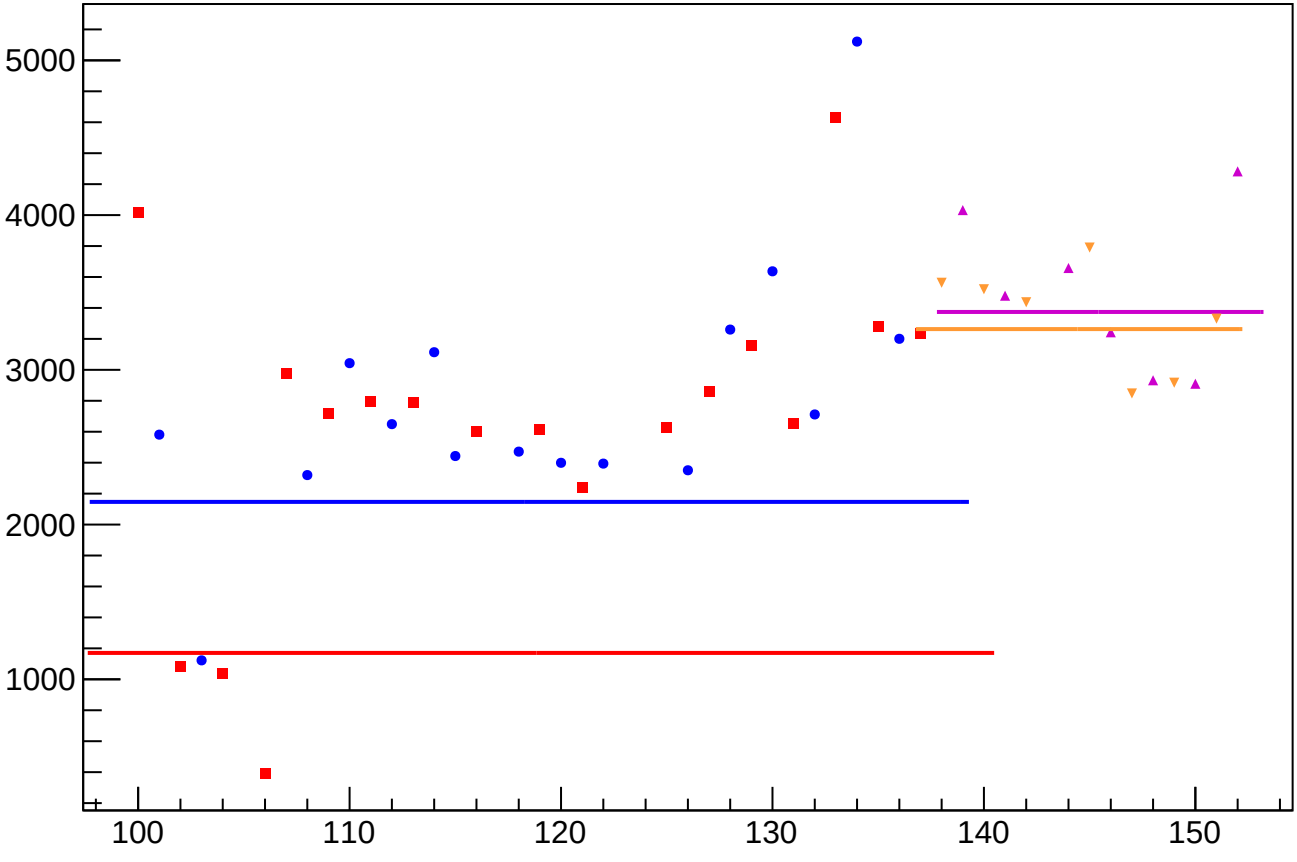
Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 167.779+/-738.264 χ^2/NDF:17.3/22

Out: -607.882+/-525.764 χ^2/NDF:25.8/24

All: -346.867+/-428.261 χ^2/NDF: 43.8/47

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: 3374.056+/-0.975 χ^2/NDF:221190.5/6

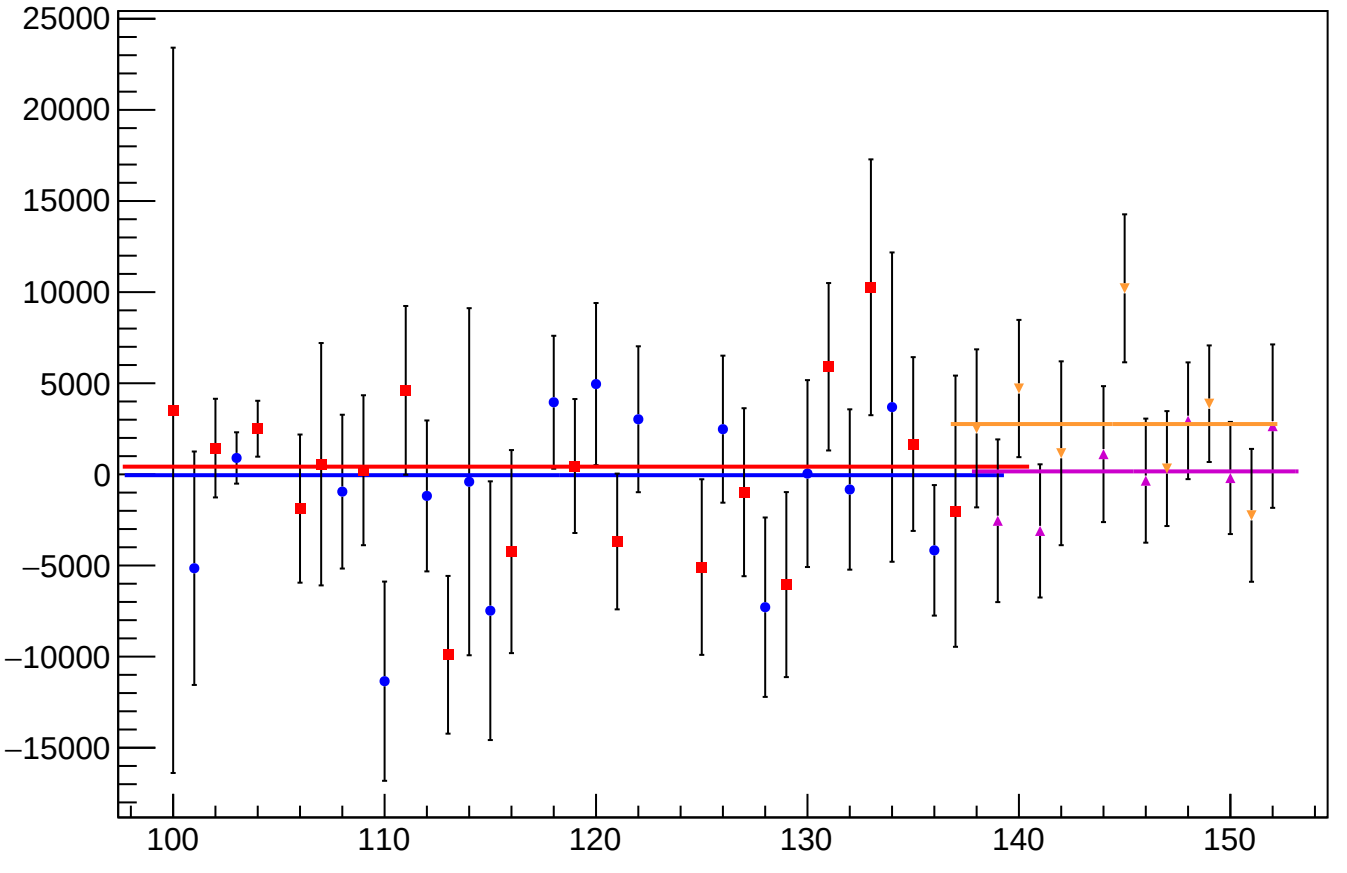
Left: 3320.400+/-0.700 χ^2/NDF: 340013.5/13

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2498.515+/-0.522 χ^2/NDF:3326497.1/22

Out: 1456.654+/-0.372 χ^2/NDF:9670020.9/24

All: 1807.247+/-0.303 χ^2/NDF: 15639305.1/4



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: 163.447+/-1365.784 χ^2/NDF:2.3/6

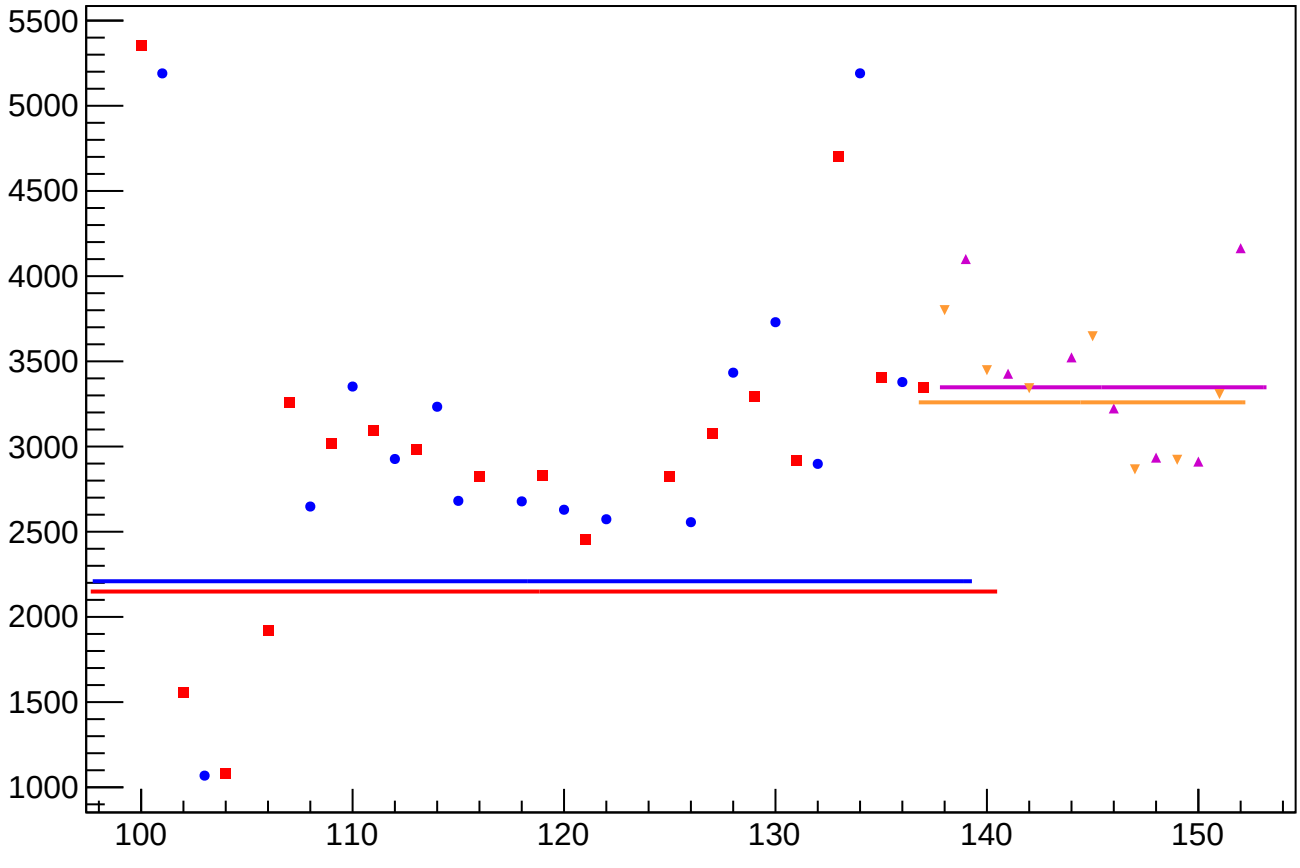
Left: 1413.717+/-983.732 χ^2/NDF: 10.4/13

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: 20.219+/-763.454 χ^2/NDF:16.1/22

Out: 1091.353+/-757.917 χ^2/NDF:25.6/24

All: 559.684+/-537.875 χ^2/NDF: 42.7/47



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: 3347.713+/-0.966 χ^2/NDF:204606.0/6

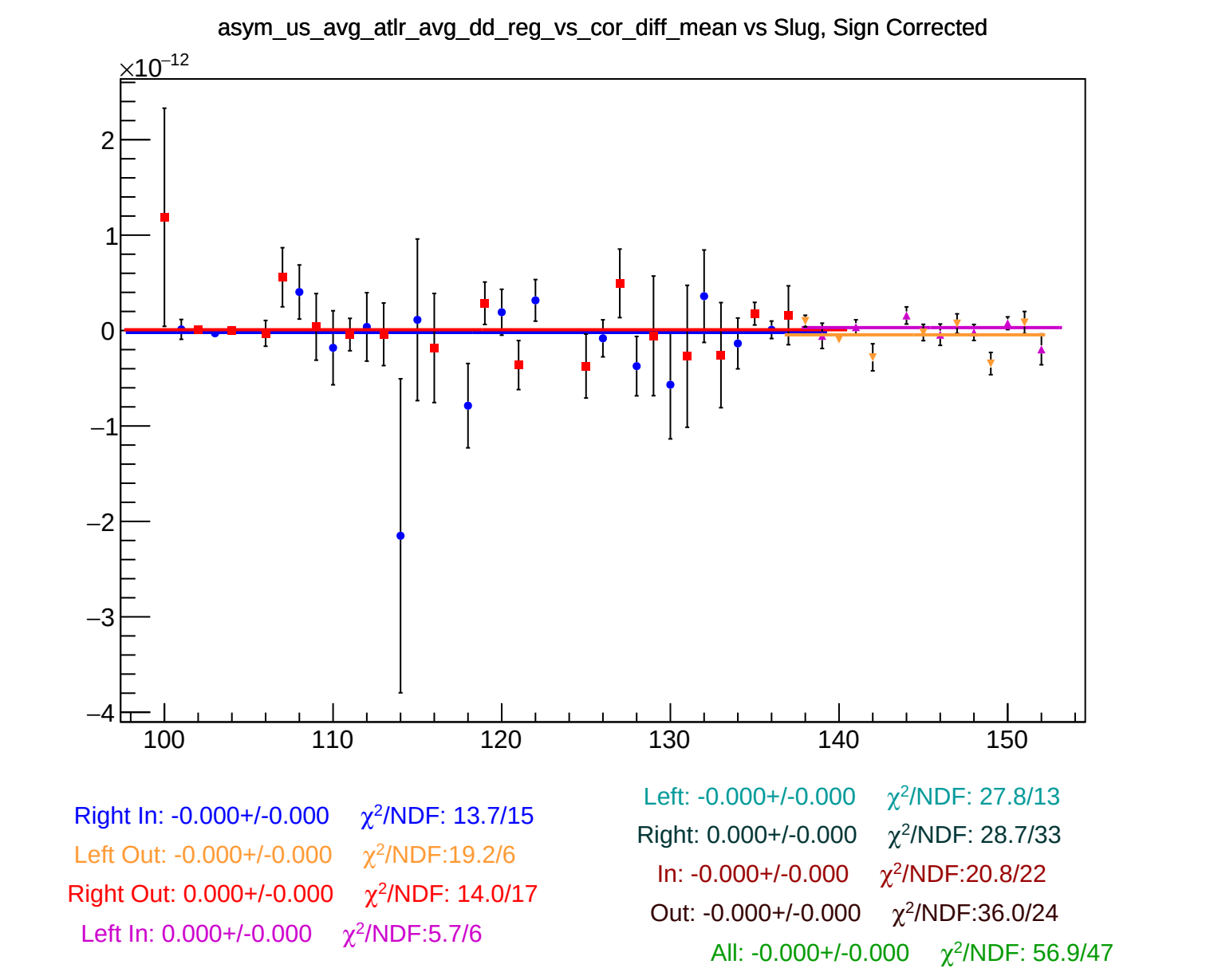
Left: 3305.178+/-0.696 χ^2/NDF: 317284.1/13

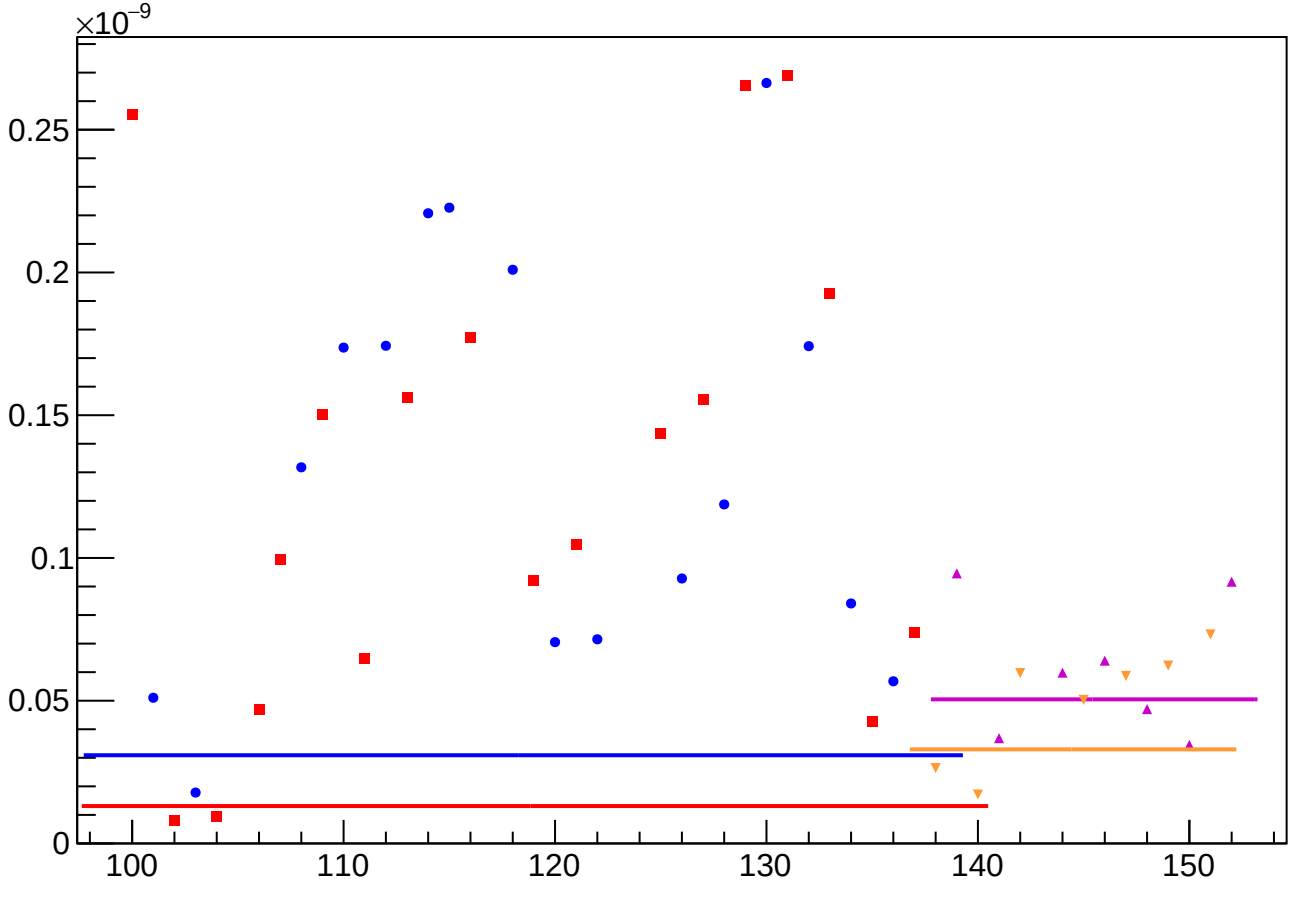
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2565.046+/-0.540 χ^2/NDF:3996746.5/22

Out: 2465.036+/-0.535 χ^2/NDF:3255427.5/24

All: 2514.592+/-0.380 χ^2/NDF: 7269488.6/47


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:19.2/6
Right Out: 0.000+/-0.000 χ²/NDF: 14.0/17
Left In: 0.000+/-0.000 χ²/NDF:5.7/6
Left: -0.000+/-0.000 χ²/NDF: 27.8/13
Right: 0.000+/-0.000 χ²/NDF: 28.7/33
In: -0.000+/-0.000 χ²/NDF:20.8/22
Out: -0.000+/-0.000 χ²/NDF:36.0/24
All: -0.000+/-0.000 χ²/NDF: 56.9/47



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:582704.0/6

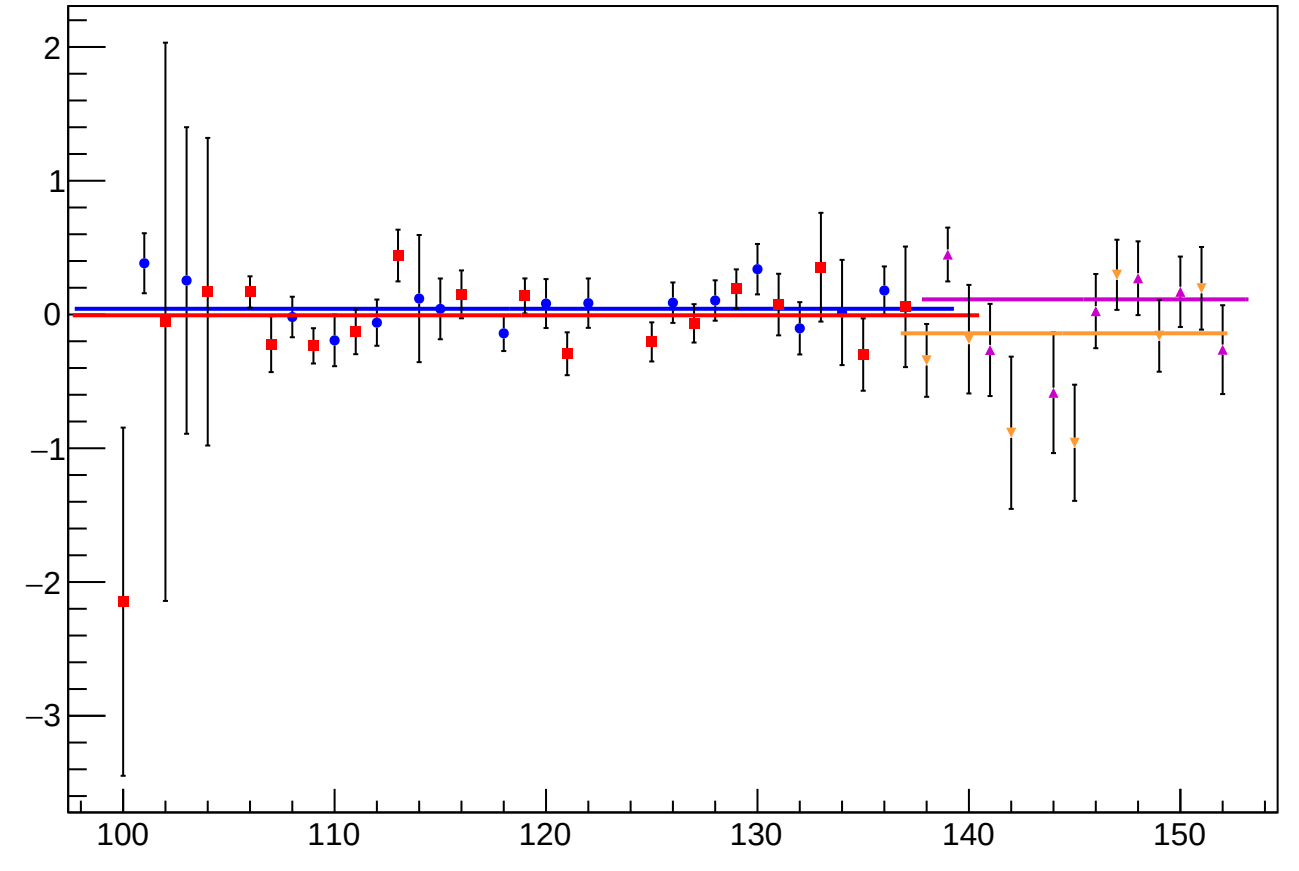
Left: 0.000+/-0.000 χ^2/NDF: 1864574.7/13

Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:3995546.7/22

Out: 0.000+/-0.000 χ^2/NDF:5425339.6/24

All: 0.000+/-0.000 χ^2/NDF: 10799766.9/47



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: 0.113+/-0.107 χ^2/NDF:8.1/6

Left: 0.003+/-0.080 χ^2/NDF: 20.4/13

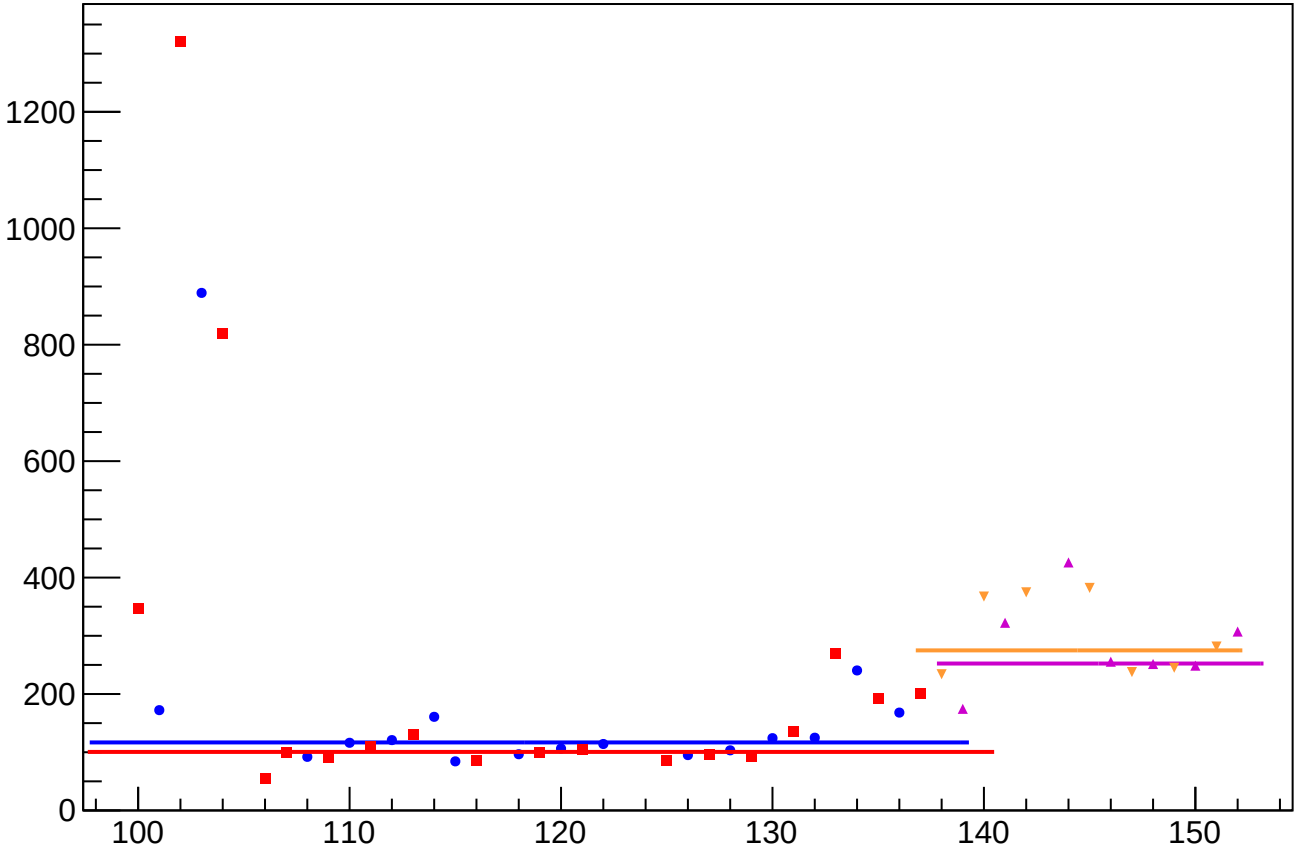
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.054+/-0.043 χ^2/NDF:18.8/22

Out: -0.021+/-0.041 χ^2/NDF:36.9/24

All: 0.015+/-0.030 χ^2/NDF: 57.3/47

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: 252.367+/-0.076 χ^2/NDF:733162.8/6

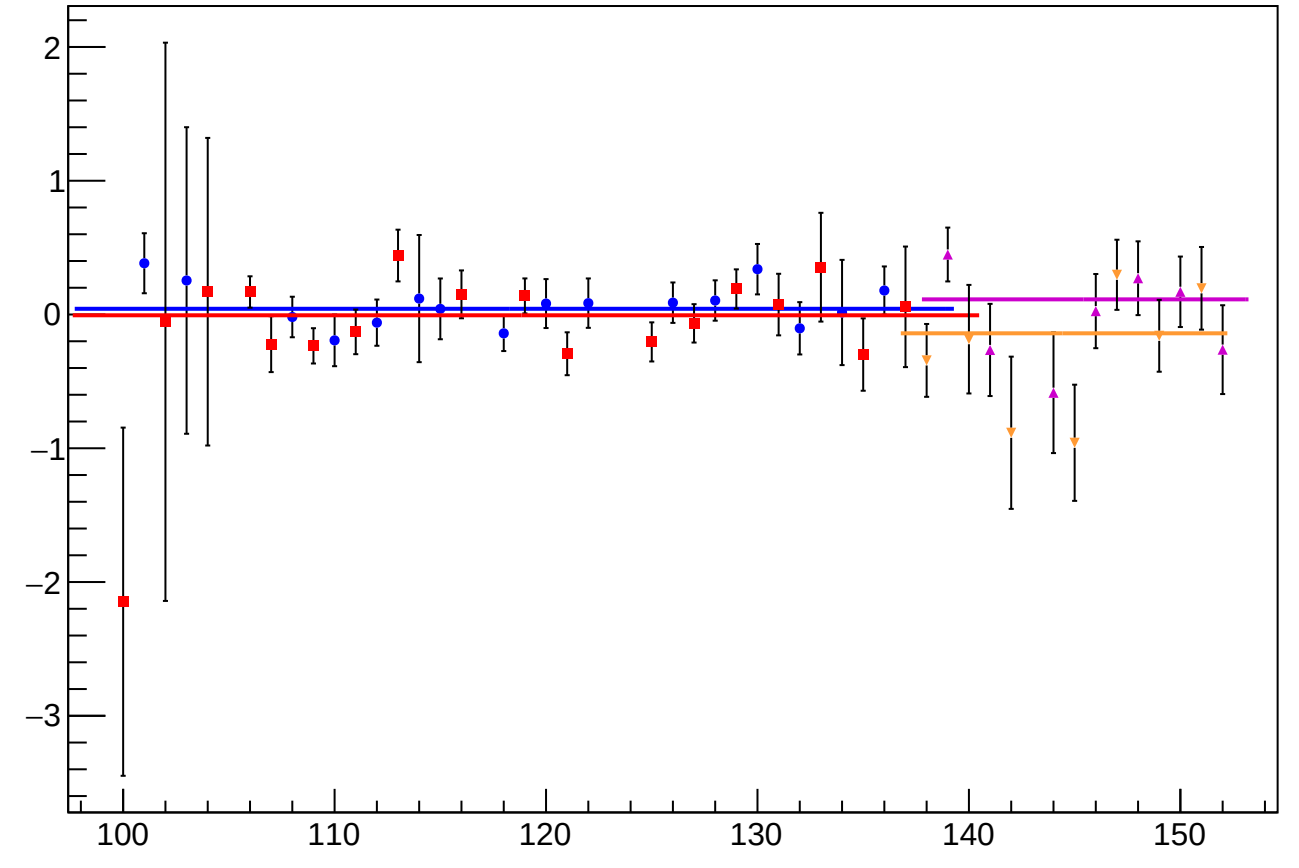
Left: 262.136+/-0.057 χ^2/NDF: 1170318.8/13

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 139.190+/-0.031 χ^2/NDF:5042768.3/22

Out: 120.027+/-0.029 χ^2/NDF:6673819.6/24

All: 129.043+/-0.021 χ^2/NDF: 11923302.5/47



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: 0.113+/-0.107 χ^2/NDF:8.1/6

Left: 0.003+/-0.080 χ^2/NDF: 20.4/13

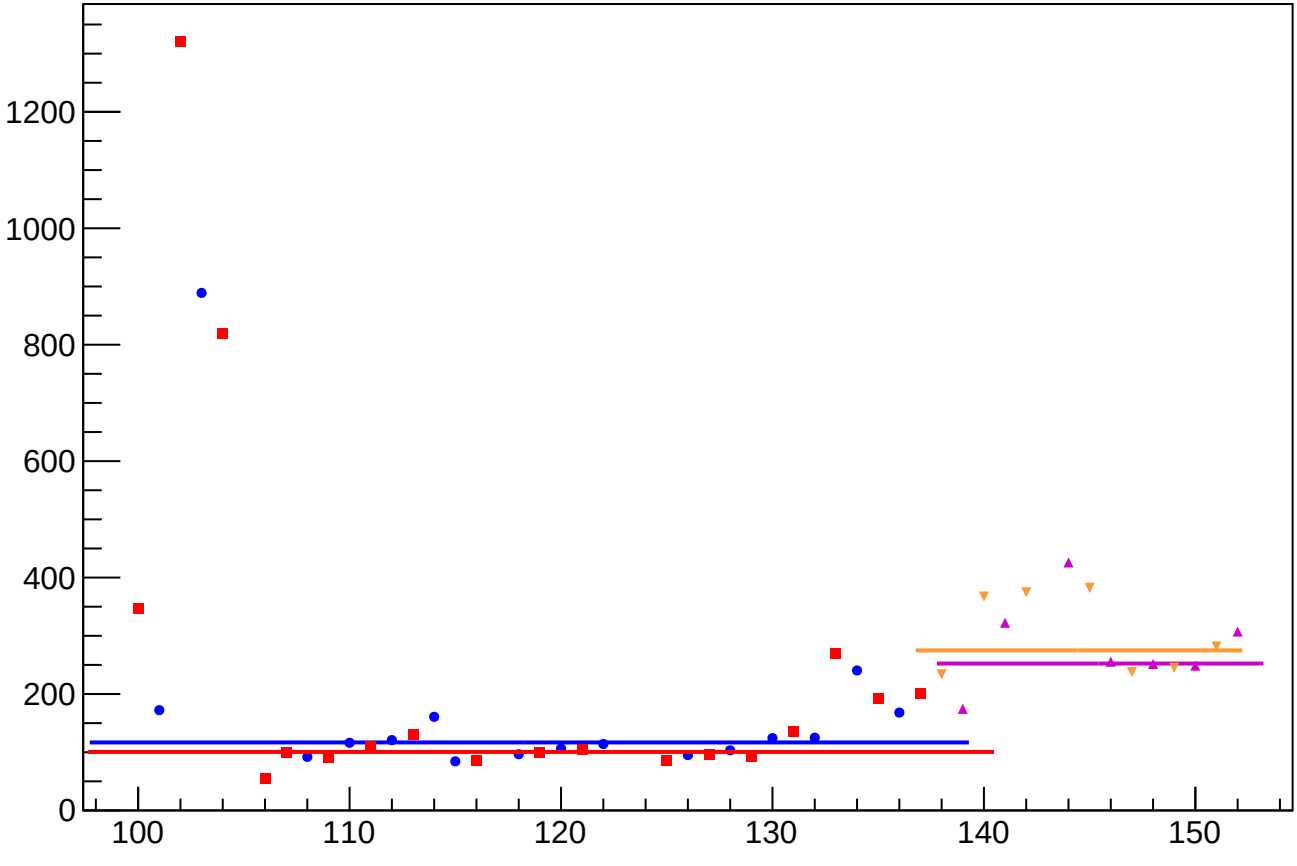
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.054+/-0.043 χ^2/NDF:18.8/22

Out: -0.021+/-0.041 χ^2/NDF:36.9/24

All: 0.015+/-0.030 χ^2/NDF: 57.3/47

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: 252.367+/-0.076 χ^2/NDF:733162.8/6

Left: 262.136+/-0.057 χ^2/NDF: 1170318.8/13

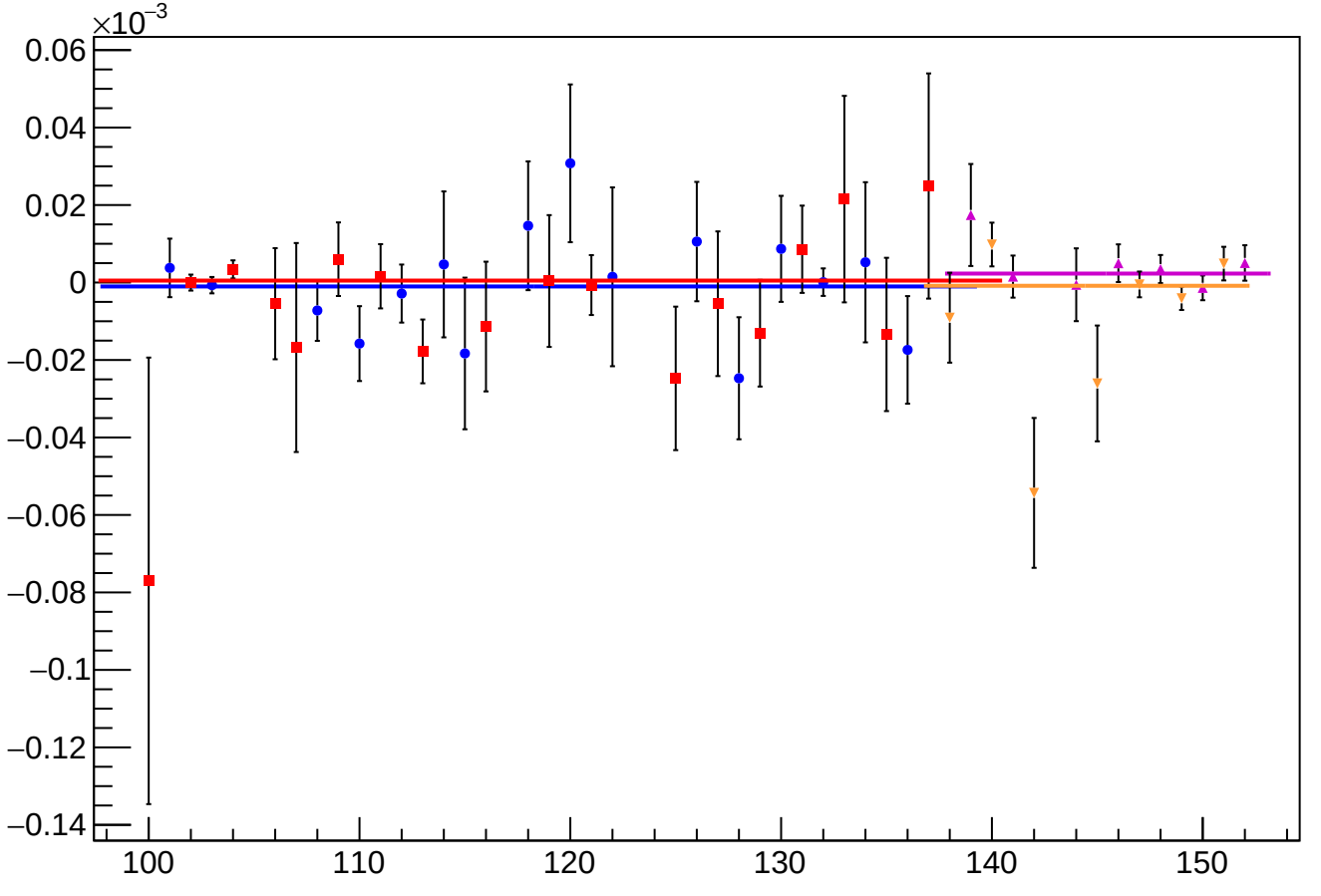
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 139.190+/-0.031 χ^2/NDF:5042768.3/22

Out: 120.027+/-0.029 χ^2/NDF:6673819.6/24

All: 129.043+/-0.021 χ^2/NDF: 11923302.5/47

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/6

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:3.5/6

Left: 0.000+/-0.000 χ^2/NDF: 22.5/13

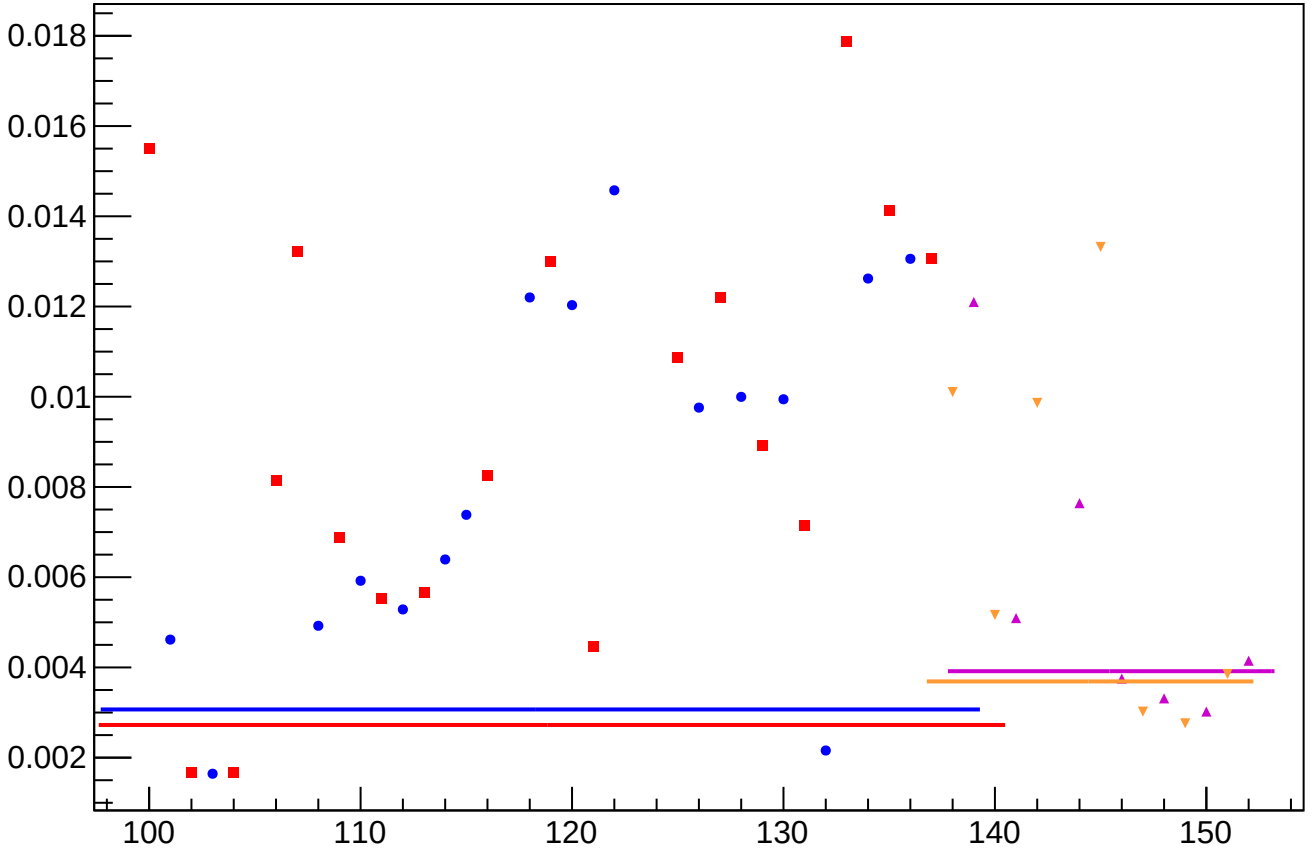
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:18.0/22

Out: 0.000+/-0.000 χ^2/NDF:32.8/24

All: 0.000+/-0.000 χ^2/NDF: 51.0/47

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:1400087.2/6

Left: 0.004+/-0.000 χ^2/NDF: 3470703.8/13

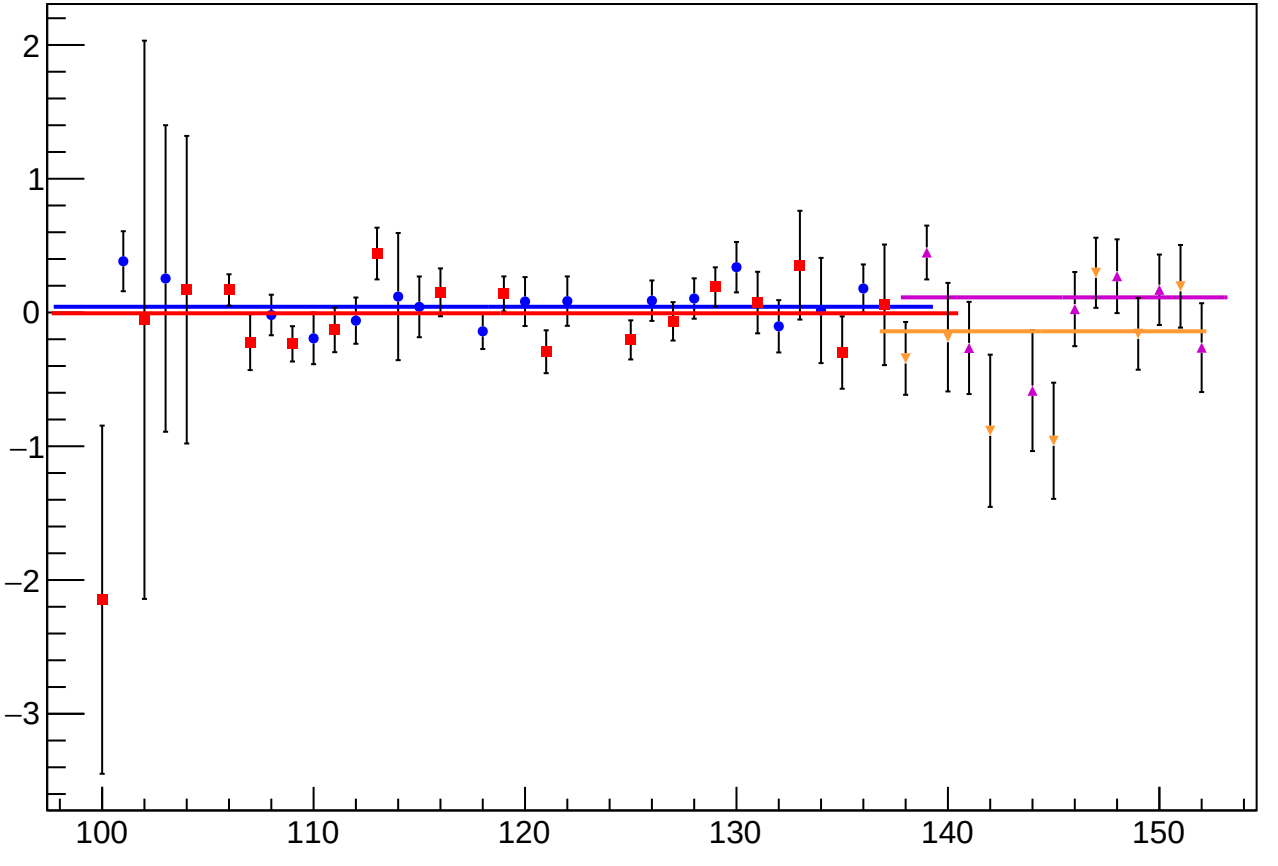
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.003+/-0.000 χ^2/NDF:7617910.6/22

Out: 0.003+/-0.000 χ^2/NDF:9120769.2/24

All: 0.003+/-0.000 χ^2/NDF: 16838351.8/47

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: 0.113+/-0.107 χ^2/NDF:8.1/6

Left: 0.003+/-0.080 χ^2/NDF: 20.4/13

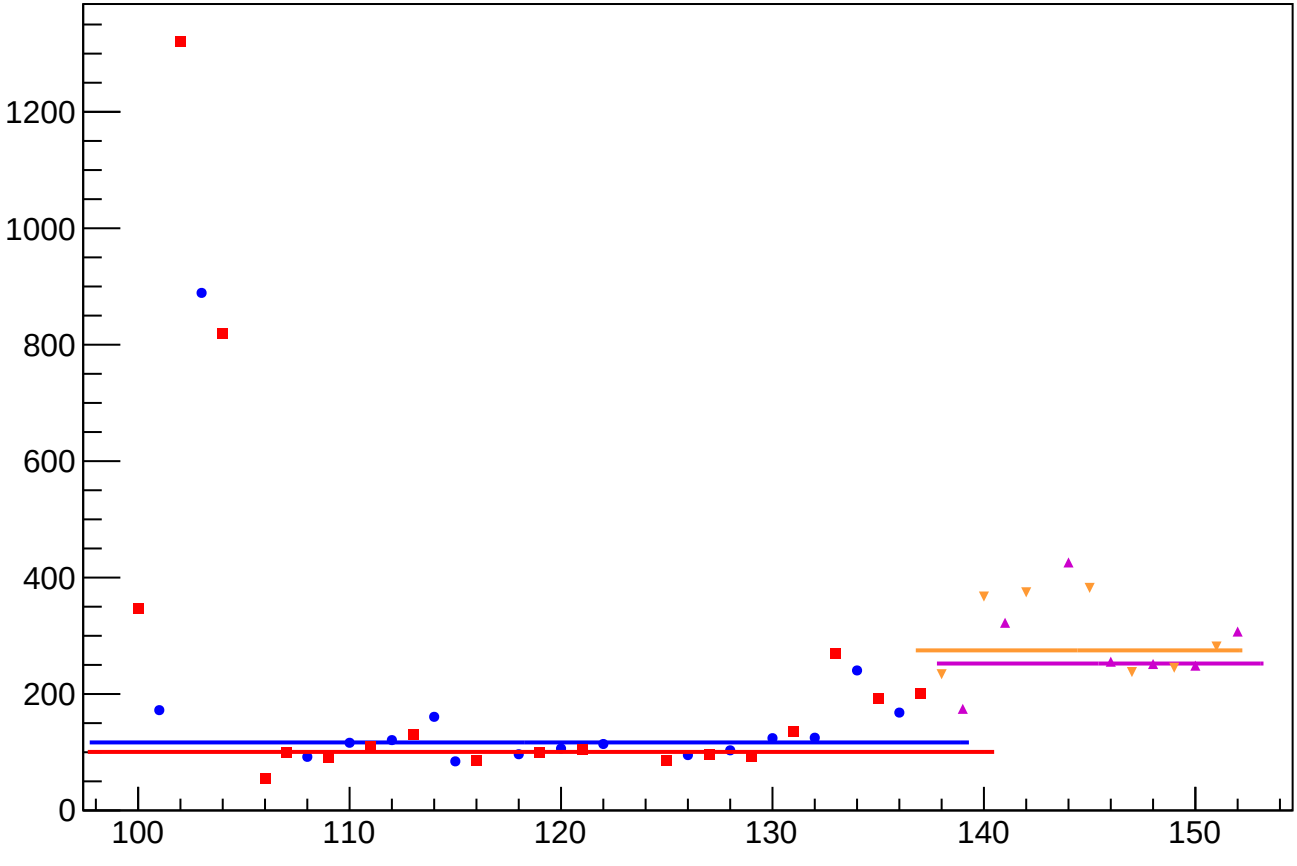
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.054+/-0.043 χ^2/NDF:18.8/22

Out: -0.021+/-0.041 χ^2/NDF:36.9/24

All: 0.015+/-0.030 χ^2/NDF: 57.3/47

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: 252.371+/-0.076 χ^2/NDF:733128.7/6

Left: 262.139+/-0.057 χ^2/NDF: 1170282.2/13

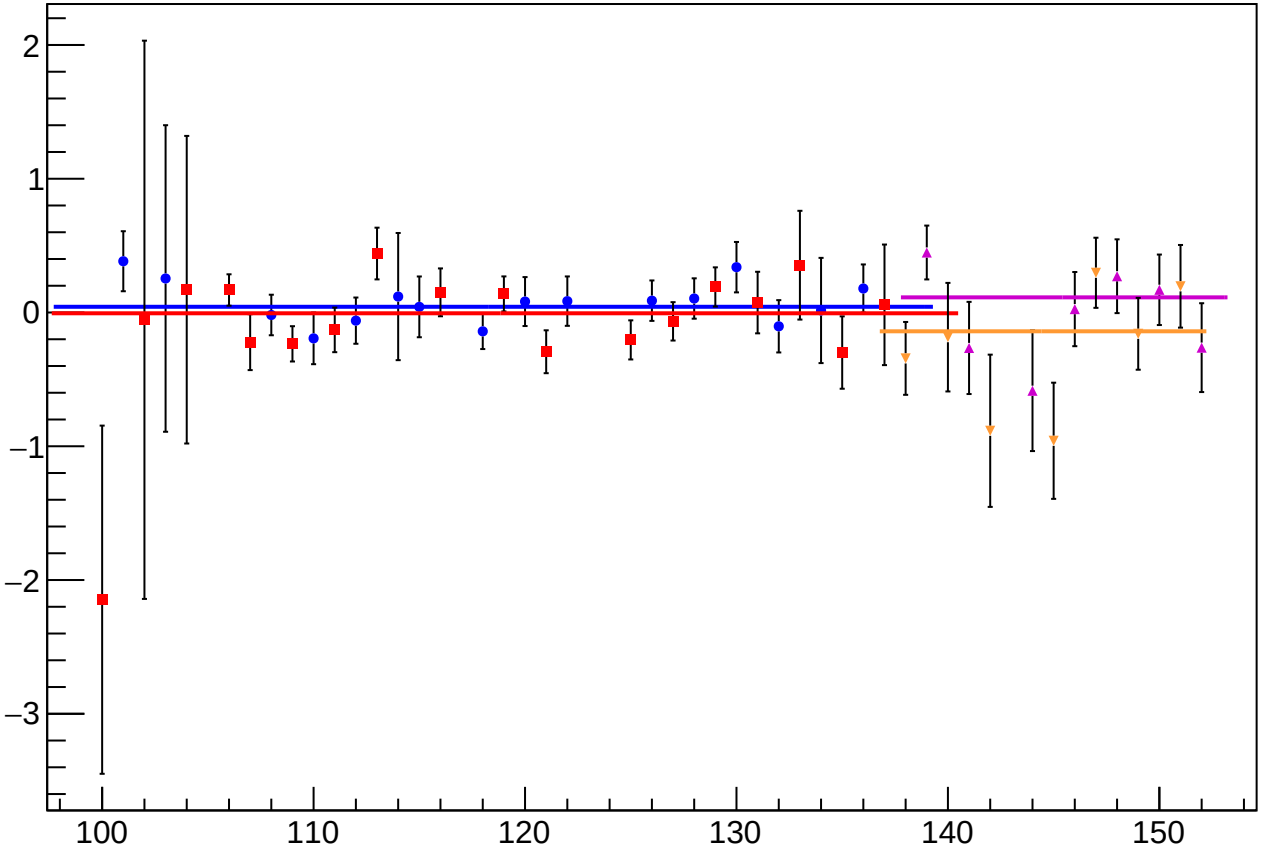
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 139.190+/-0.031 χ^2/NDF:5042826.2/22

Out: 120.026+/-0.029 χ^2/NDF:6673992.7/24

All: 129.042+/-0.021 χ^2/NDF: 11923557.9/47

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: 0.113+/-0.107 χ^2/NDF:8.1/6

Left: 0.003+/-0.080 χ^2/NDF: 20.4/13

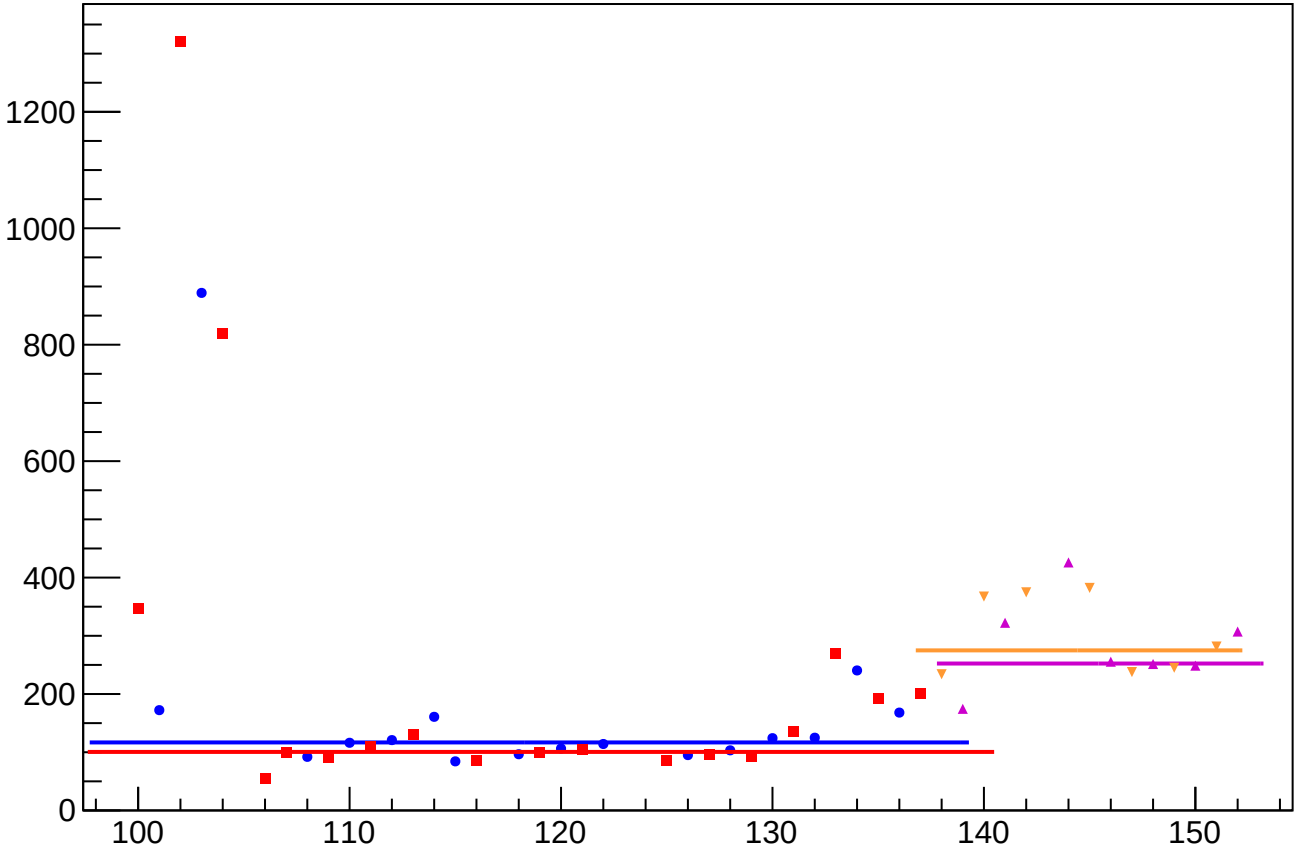
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.054+/-0.043 χ^2/NDF:18.8/22

Out: -0.021+/-0.041 χ^2/NDF:36.9/24

All: 0.015+/-0.030 χ^2/NDF: 57.3/47

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: 252.371+/-0.076 χ^2/NDF:733128.7/6

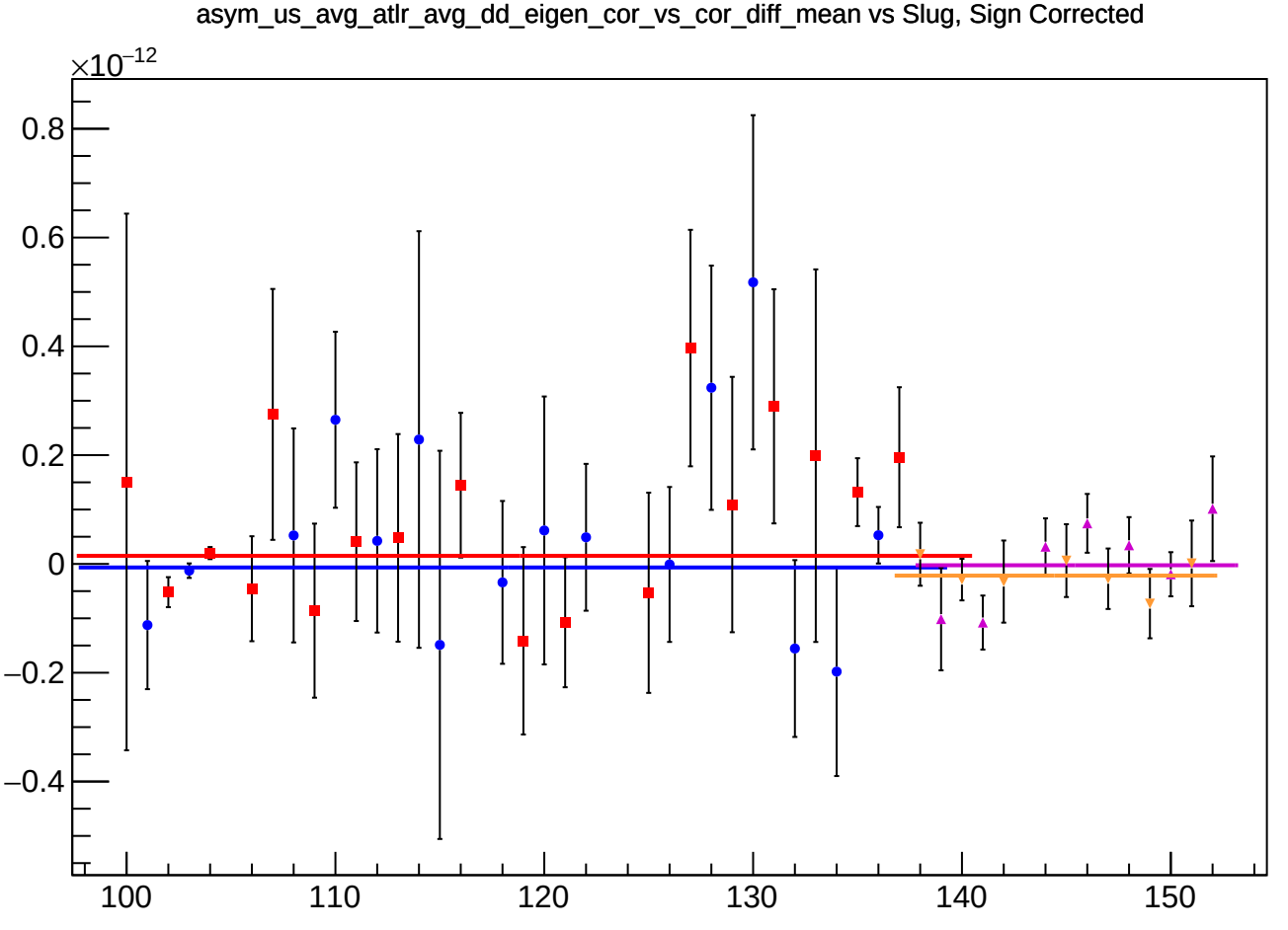
Left: 262.139+/-0.057 χ^2/NDF: 1170282.2/13

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 139.190+/-0.031 χ^2/NDF:5042826.2/22

Out: 120.026+/-0.029 χ^2/NDF:6673992.7/24

All: 129.042+/-0.021 χ^2/NDF: 11923557.9/47



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:9.9/6

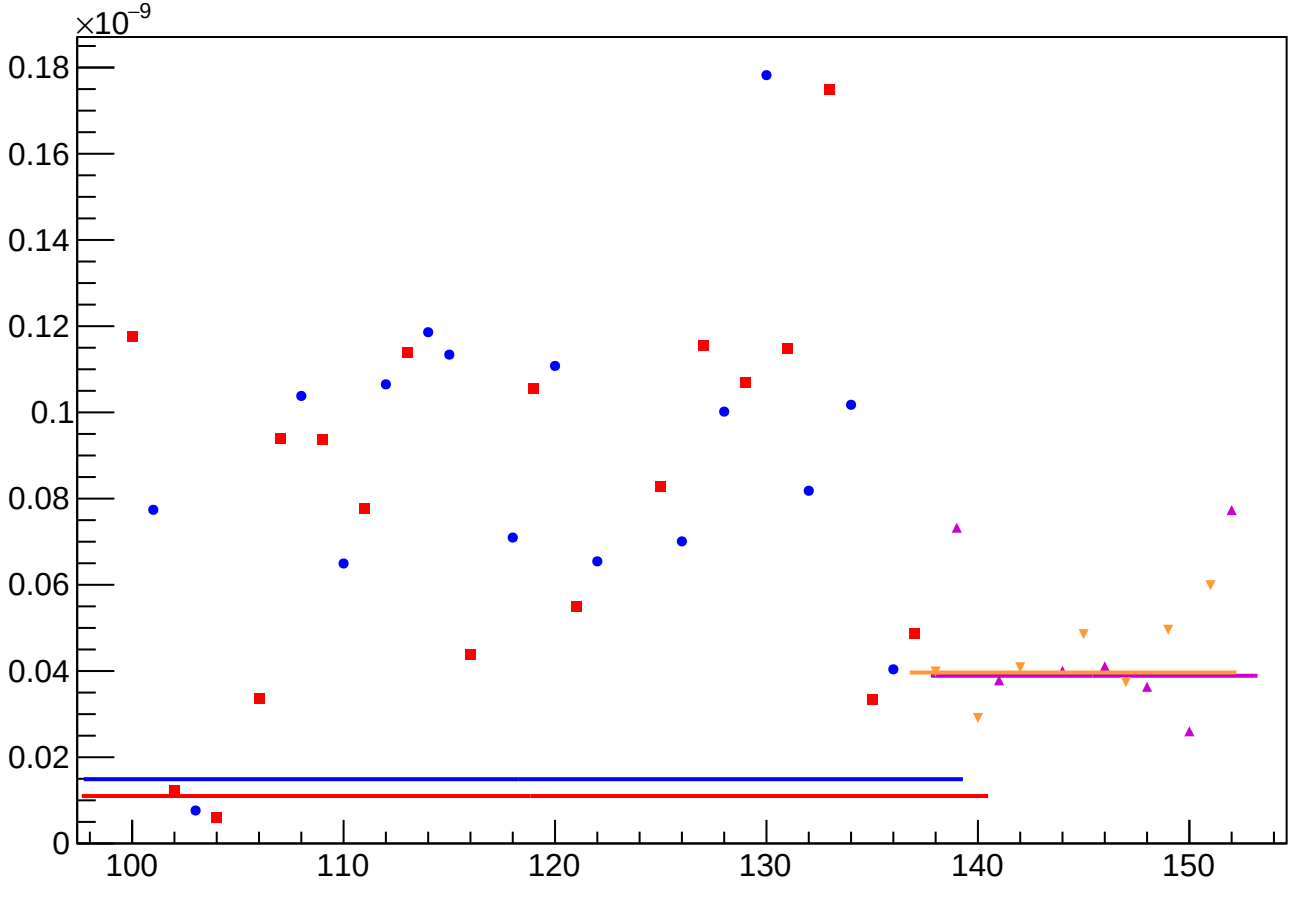
Left: -0.000+/-0.000 χ^2/NDF: 11.7/13

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: -0.000+/-0.000 χ^2/NDF:23.0/22

Out: 0.000+/-0.000 χ^2/NDF:25.7/24

All: 0.000+/-0.000 χ^2/NDF: 49.6/47



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:797104.9/6

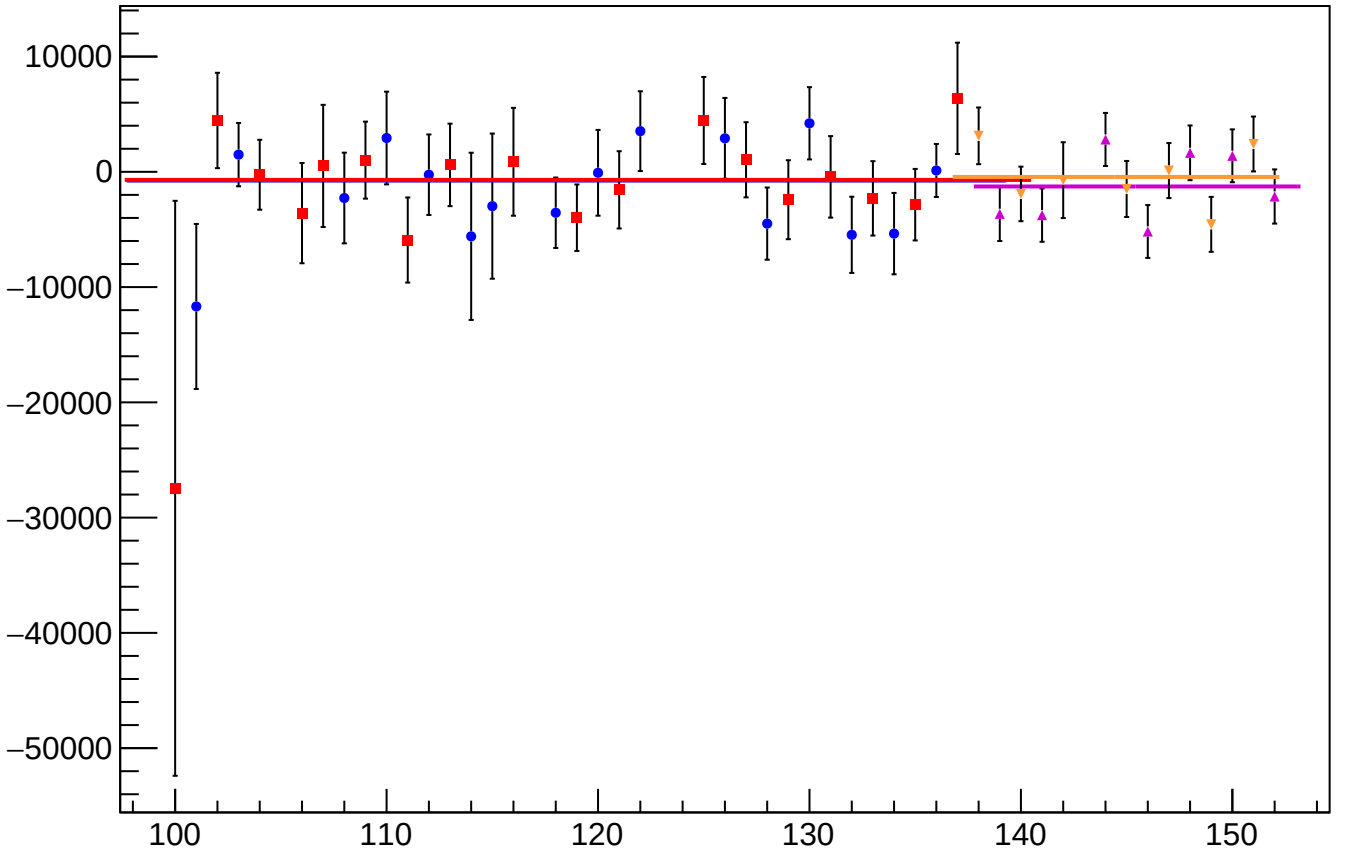
Left: 0.000+/-0.000 χ^2/NDF: 1169864.5/13

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:8652528.1/22

Out: 0.000+/-0.000 χ^2/NDF:9115212.3/24

All: 0.000+/-0.000 χ^2/NDF: 18062047.5/47



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: -1270.363+/-879.275 χ^2/NDF:11.2/6

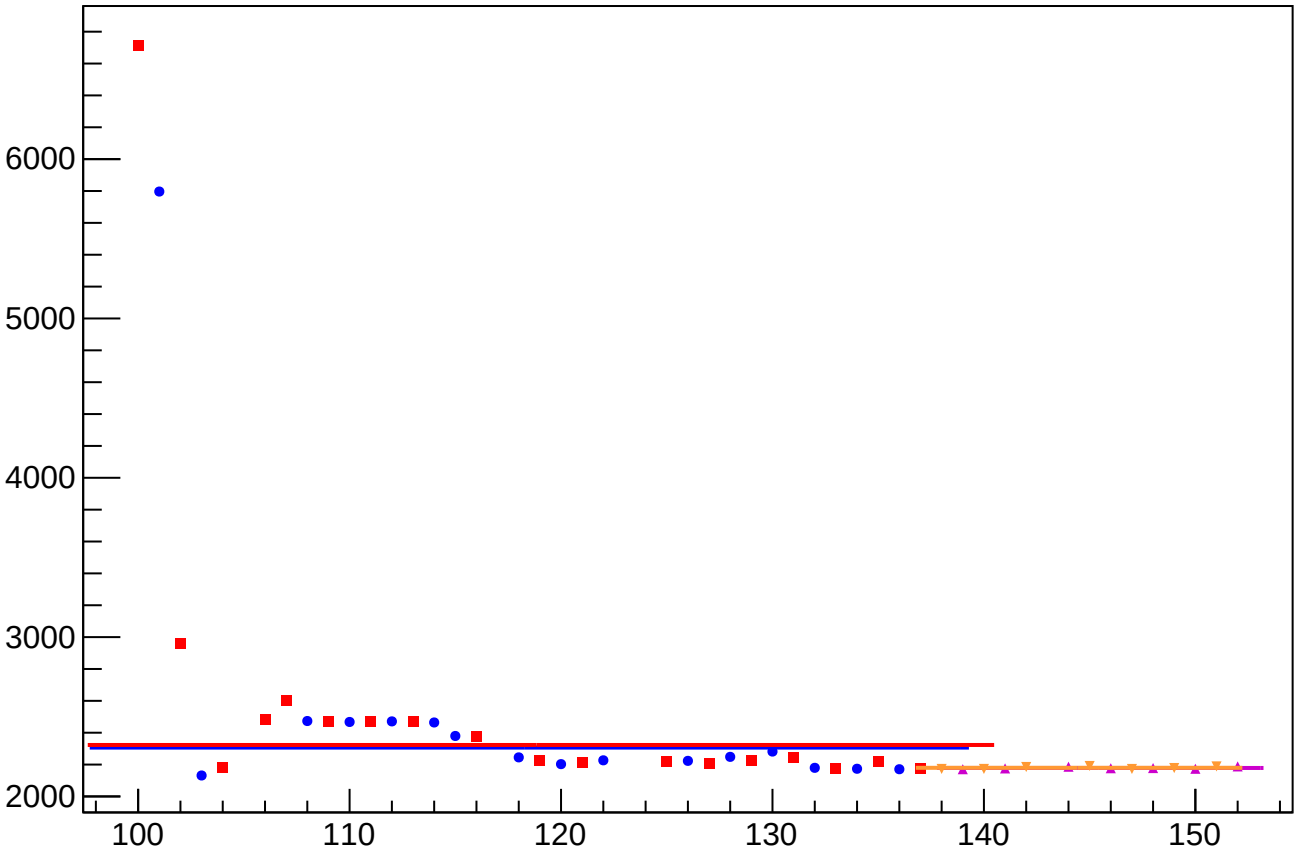
Left: -883.713+/-641.880 χ^2/NDF: 18.8/13

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -1010.376+/-619.387 χ^2/NDF:27.2/22

Out: -582.500+/-637.710 χ^2/NDF:19.6/24

All: -802.673+/-444.309 χ^2/NDF: 47.0/47



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: 2178.698+/-0.622 χ^2/NDF:93.5/6

Left: 2179.154+/-0.454 χ^2/NDF: 224.4/13

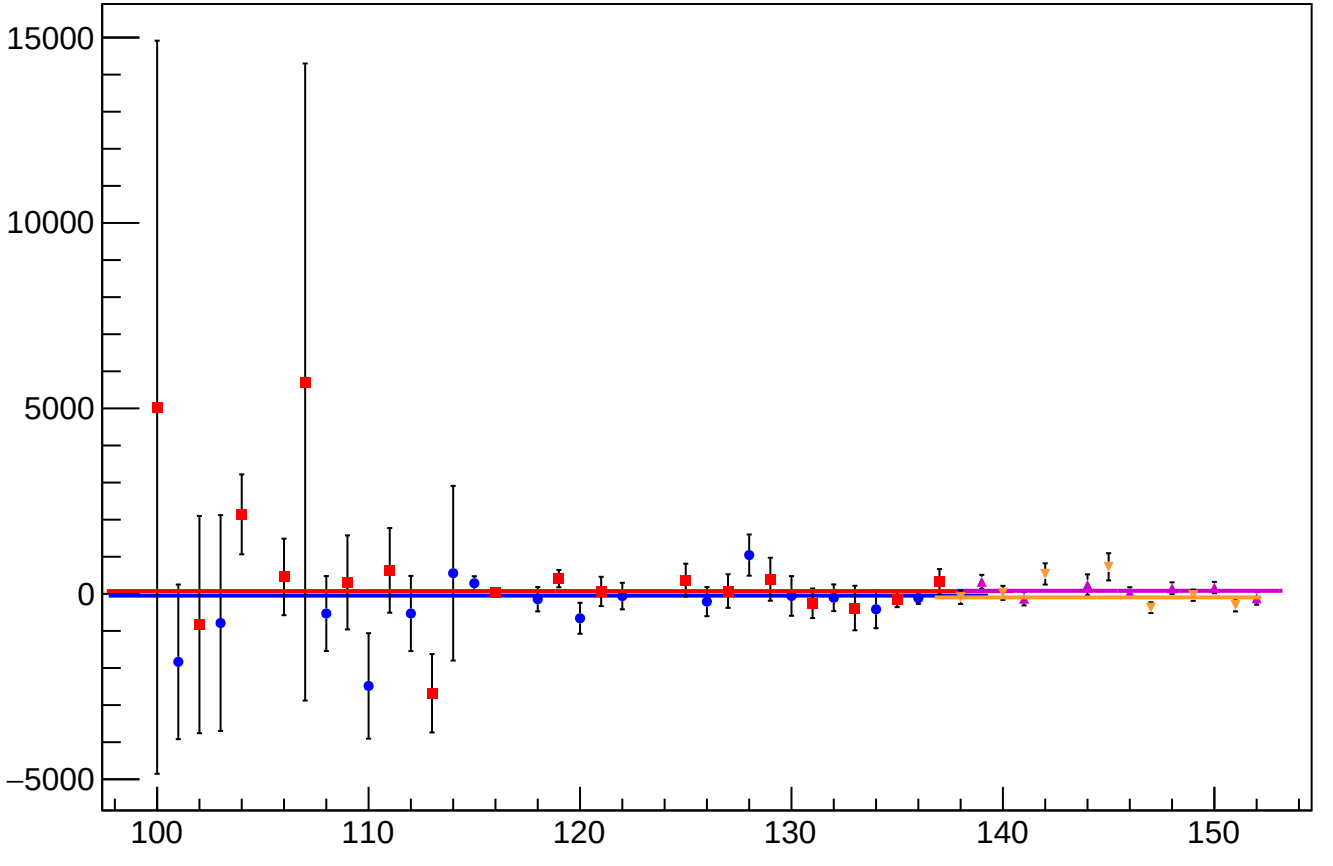
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2243.154+/-0.438 χ^2/NDF:535577.7/22

Out: 2256.928+/-0.451 χ^2/NDF:177023.6/24

All: 2249.840+/-0.314 χ^2/NDF: 713081.4/47

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: 81.472+/-64.916 χ^2/NDF:5.4/6

Left: 0.244+/-47.803 χ^2/NDF: 24.3/13

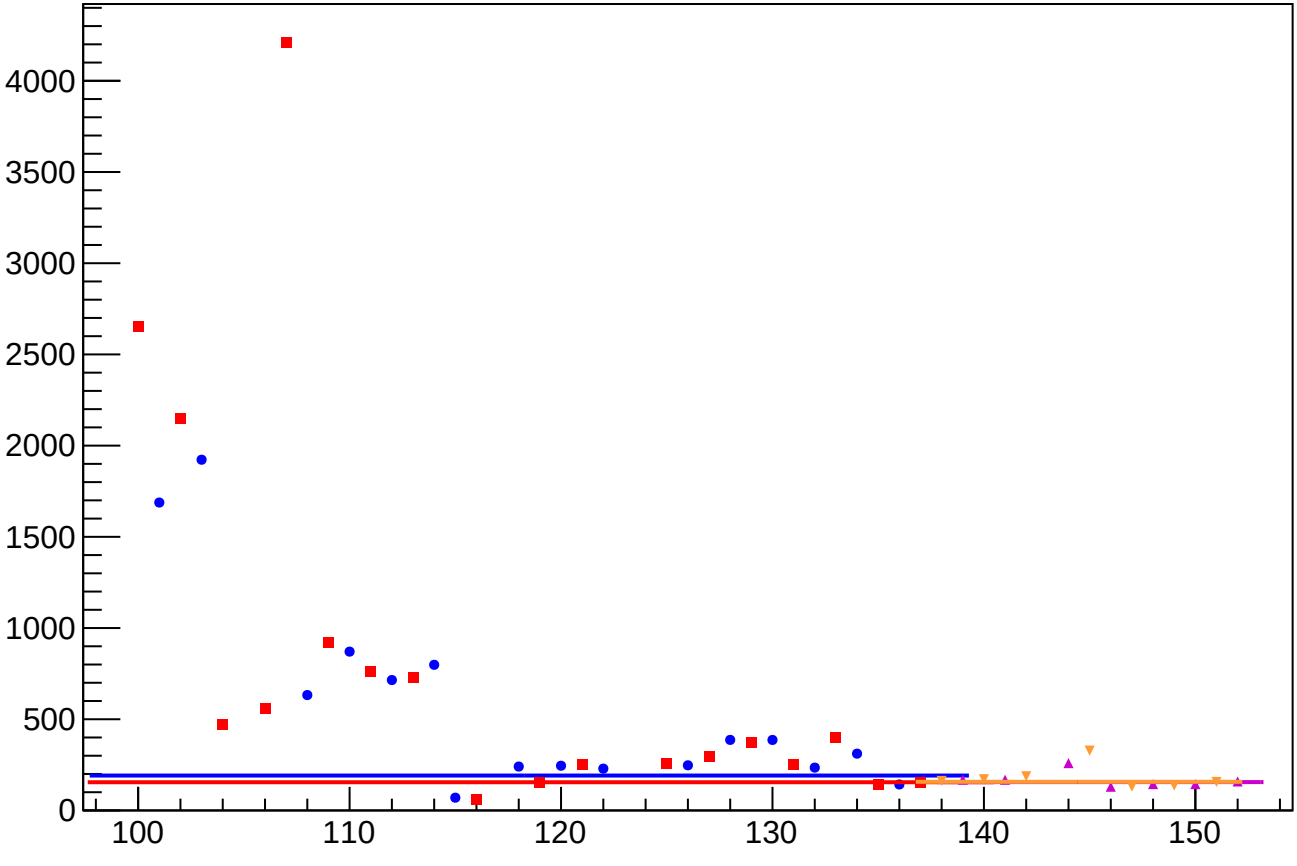
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 37.777+/-52.830 χ^2/NDF:21.1/22

Out: -23.857+/-53.633 χ^2/NDF:35.6/24

All: 7.424+/-37.637 χ^2/NDF: 57.3/47

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: 155.509+/-0.046 χ^2/NDF:376760.6/6

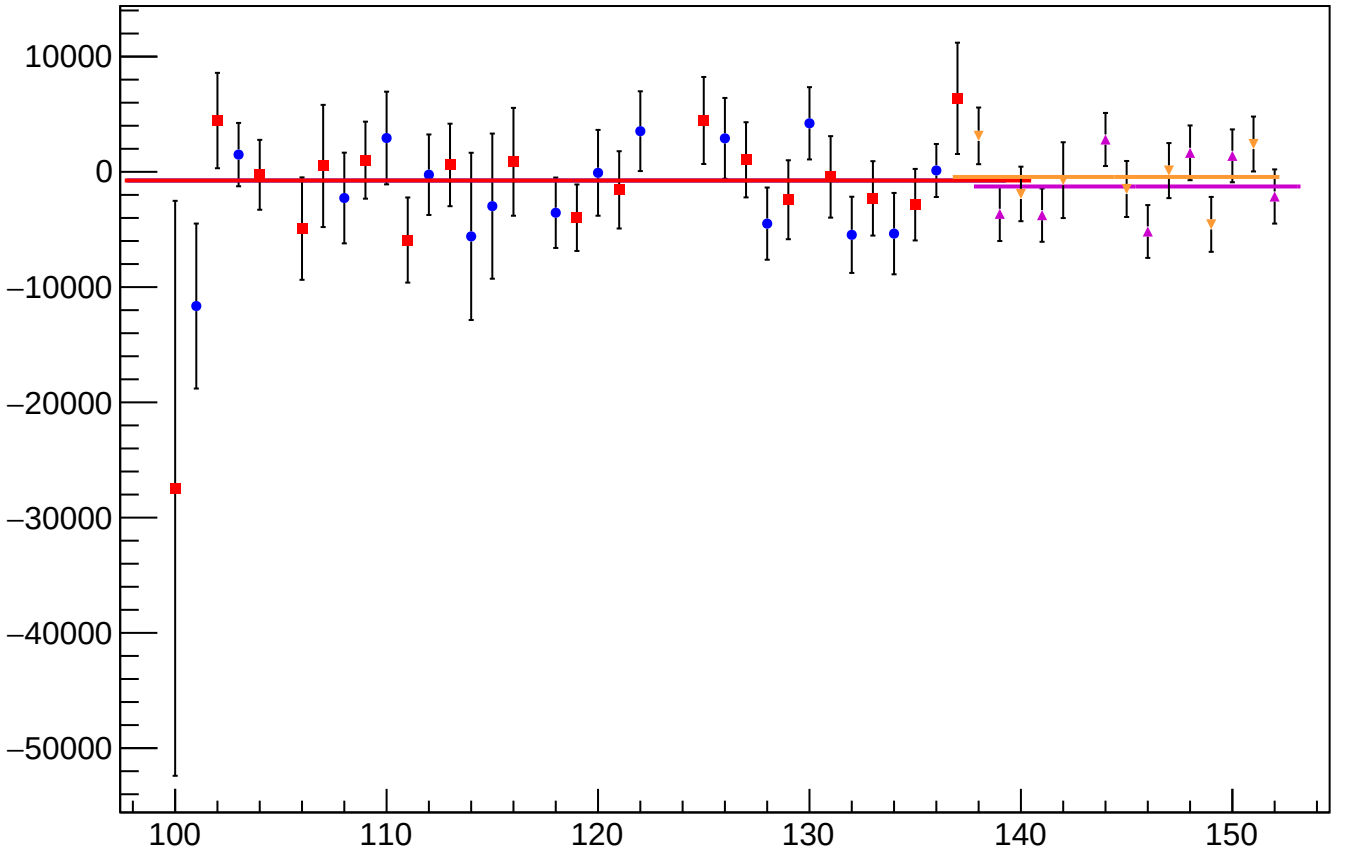
Left: 156.232+/-0.034 χ^2/NDF: 946138.9/13

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 167.622+/-0.037 χ^2/NDF:5647731.6/22

Out: 156.066+/-0.038 χ^2/NDF:6724109.8/24

All: 161.931+/-0.027 χ^2/NDF: 12418964.9/47



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: -1270.409+/-879.275 χ^2/NDF:11.2/6

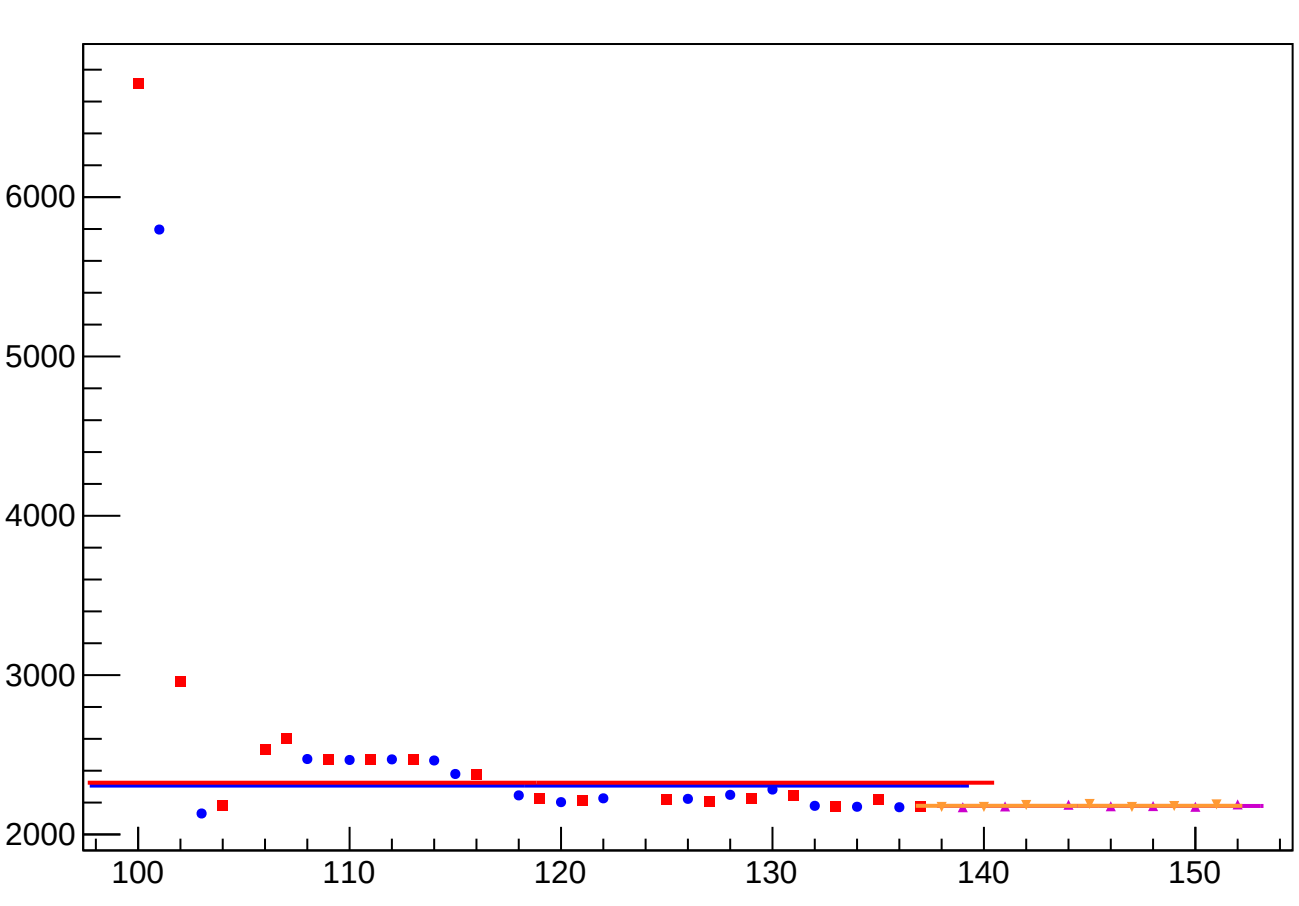
Left: -883.788+/-641.880 χ^2/NDF: 18.8/13

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

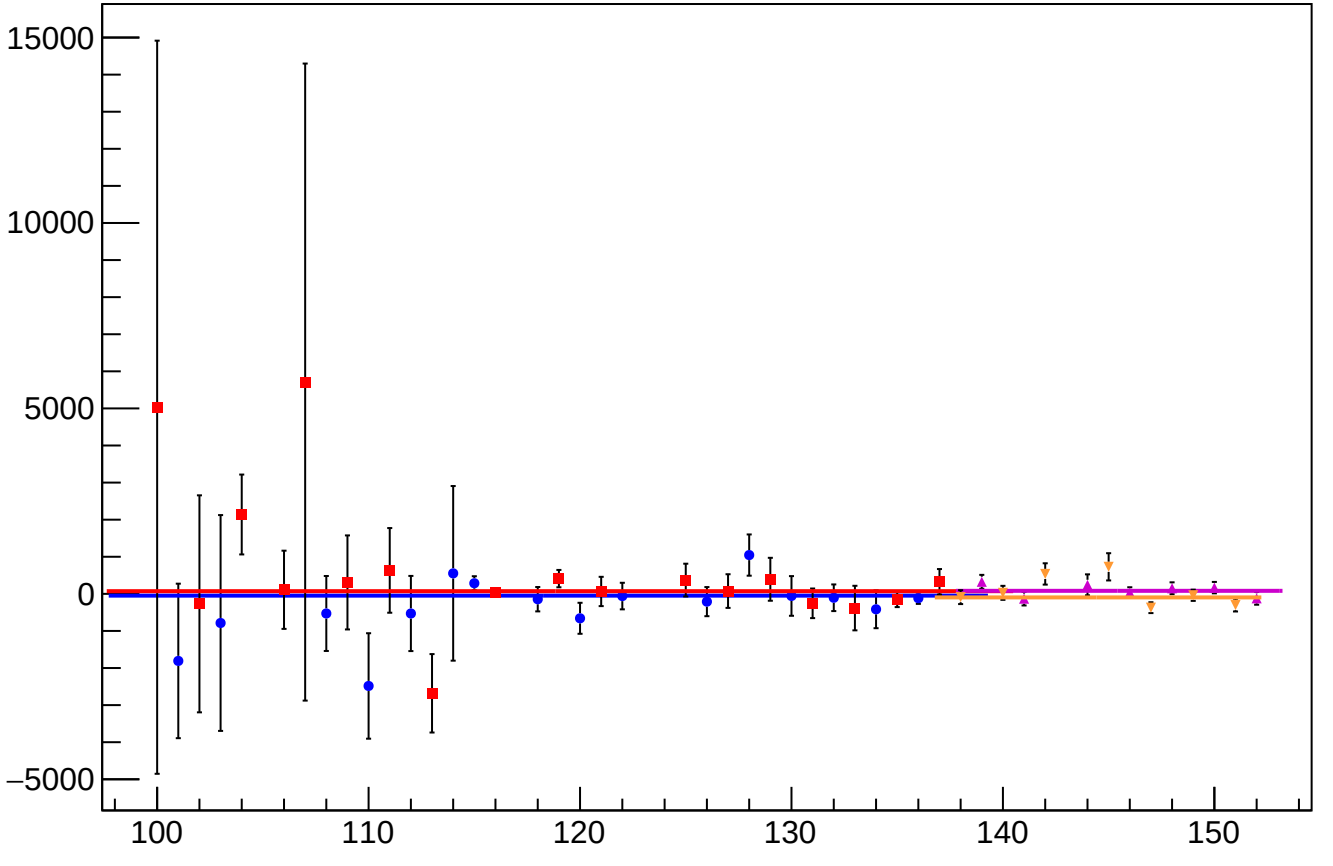
In: -1009.910+/-619.387 χ^2/NDF:27.2/22

Out: -607.819+/-637.995 χ^2/NDF:20.0/24

All: -814.814+/-444.405 χ^2/NDF: 47.5/47


cor_asym_us_dd_at1lr_dd_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 2306.643+/-0.617 χ²/NDF: 514150.6/15
Left Out: 2179.674+/-0.664 χ²/NDF:129.8/6
Right Out: 2324.685+/-0.615 χ²/NDF: 153578.5/17
Left In: 2178.698+/-0.622 χ²/NDF:93.5/6
Left: 2179.154+/-0.454 χ²/NDF: 224.4/13
Right: 2315.698+/-0.436 χ²/NDF: 668158.1/33
In: 2243.154+/-0.438 χ²/NDF:535578.0/22
Out: 2257.770+/-0.451 χ²/NDF:179385.3/24
All: 2250.246+/-0.314 χ²/NDF: 715503.8/47

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: 81.444+/-64.921 χ^2/NDF:5.3/6

Left: 0.198+/-47.806 χ^2/NDF: 24.3/13

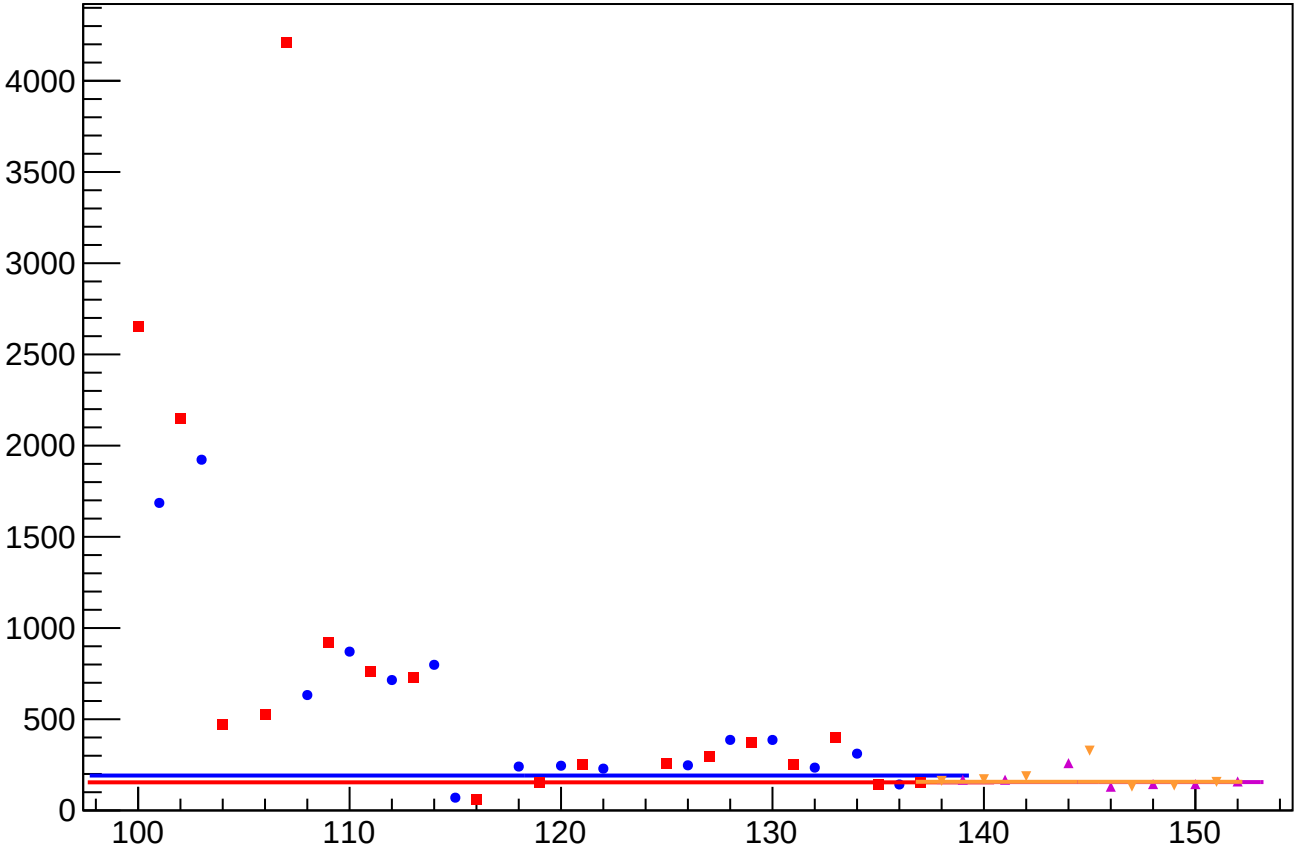
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 37.746+/-52.834 χ^2/NDF:21.0/22

Out: -24.677+/-53.617 χ^2/NDF:35.3/24

All: 6.994+/-37.633 χ^2/NDF: 57.0/47

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 157.093+/-0.050 χ^2/NDF:568939.2/6

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 155.523+/-0.046 χ^2/NDF:376659.7/6

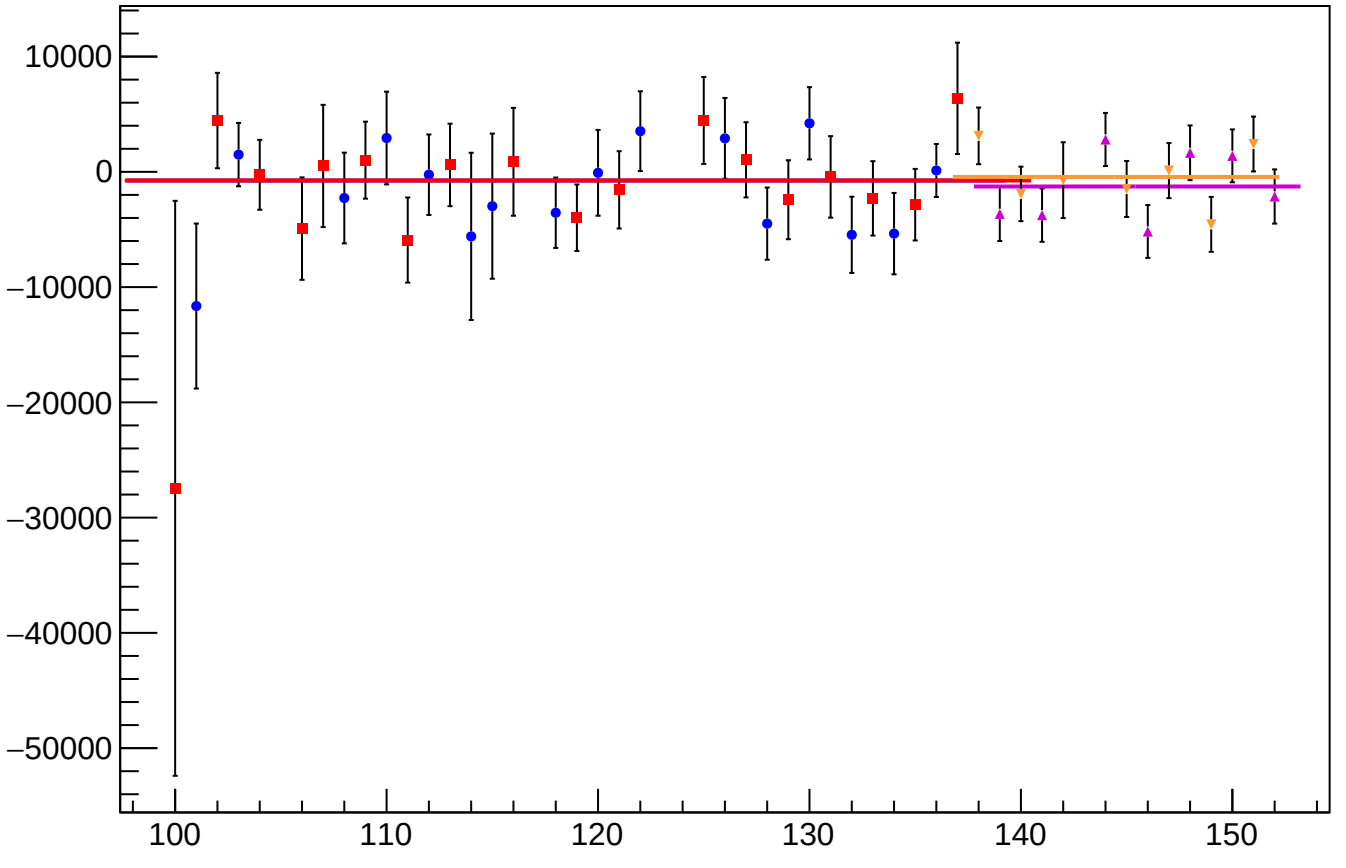
Left: 156.242+/-0.034 χ^2/NDF: 946134.7/13

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 167.640+/-0.037 χ^2/NDF:5646580.4/22

Out: 155.832+/-0.038 χ^2/NDF:6679105.3/24

All: 161.823+/-0.027 χ^2/NDF: 12374893.0/47



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: -1270.409+/-879.275 χ^2/NDF:11.2/6

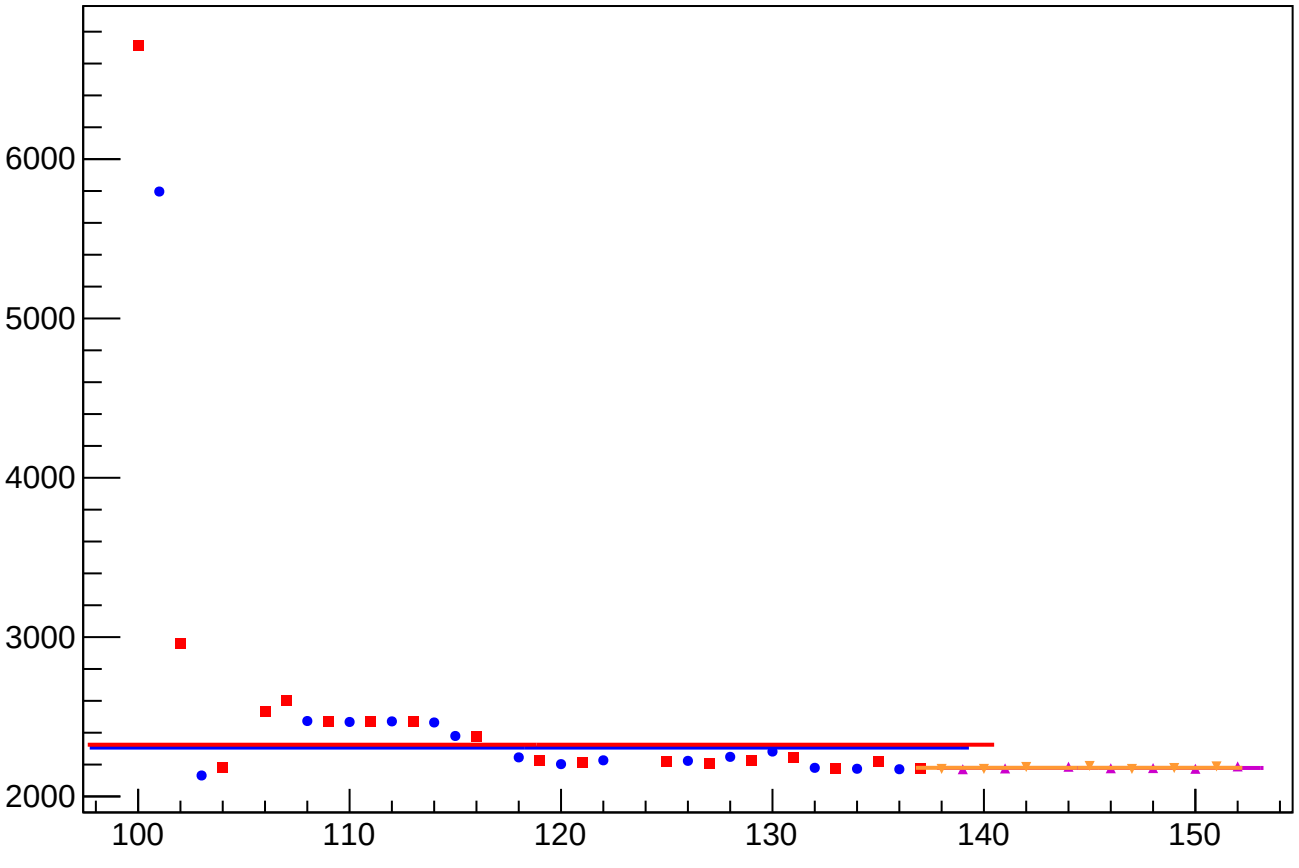
Left: -883.788+/-641.880 χ^2/NDF: 18.8/13

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1009.910+/-619.387 χ^2/NDF:27.2/22

Out: -607.819+/-637.995 χ^2/NDF:20.0/24

All: -814.814+/-444.405 χ^2/NDF: 47.5/47



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: 2178.698+/-0.622 χ^2/NDF:93.5/6

Left: 2179.154+/-0.454 χ^2/NDF: 224.4/13

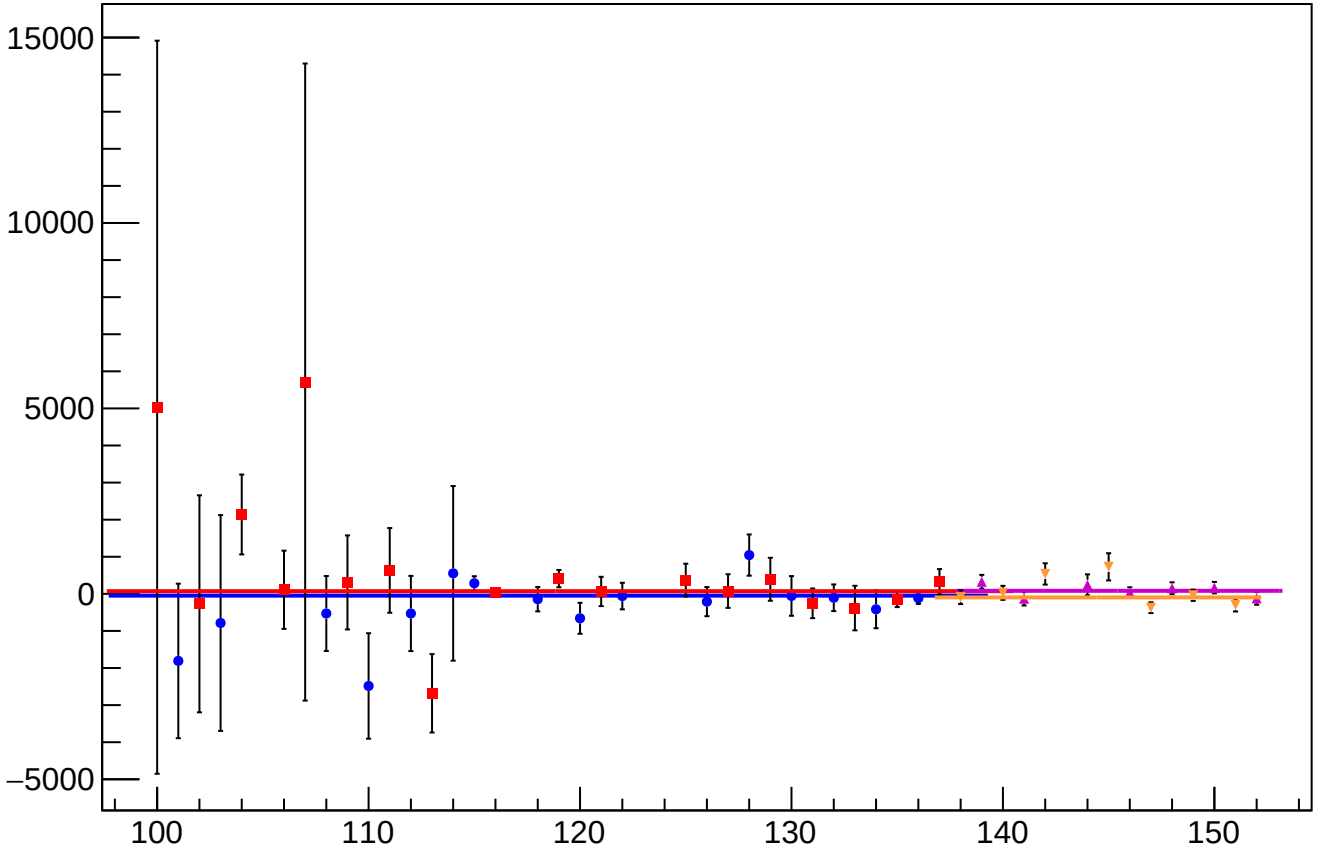
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2243.154+/-0.438 χ^2/NDF:535578.0/22

Out: 2257.770+/-0.451 χ^2/NDF:179385.3/24

All: 2250.246+/-0.314 χ^2/NDF: 715503.8/47

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: 81.444+/-64.921 χ^2/NDF:5.3/6

Left: 0.198+/-47.806 χ^2/NDF: 24.3/13

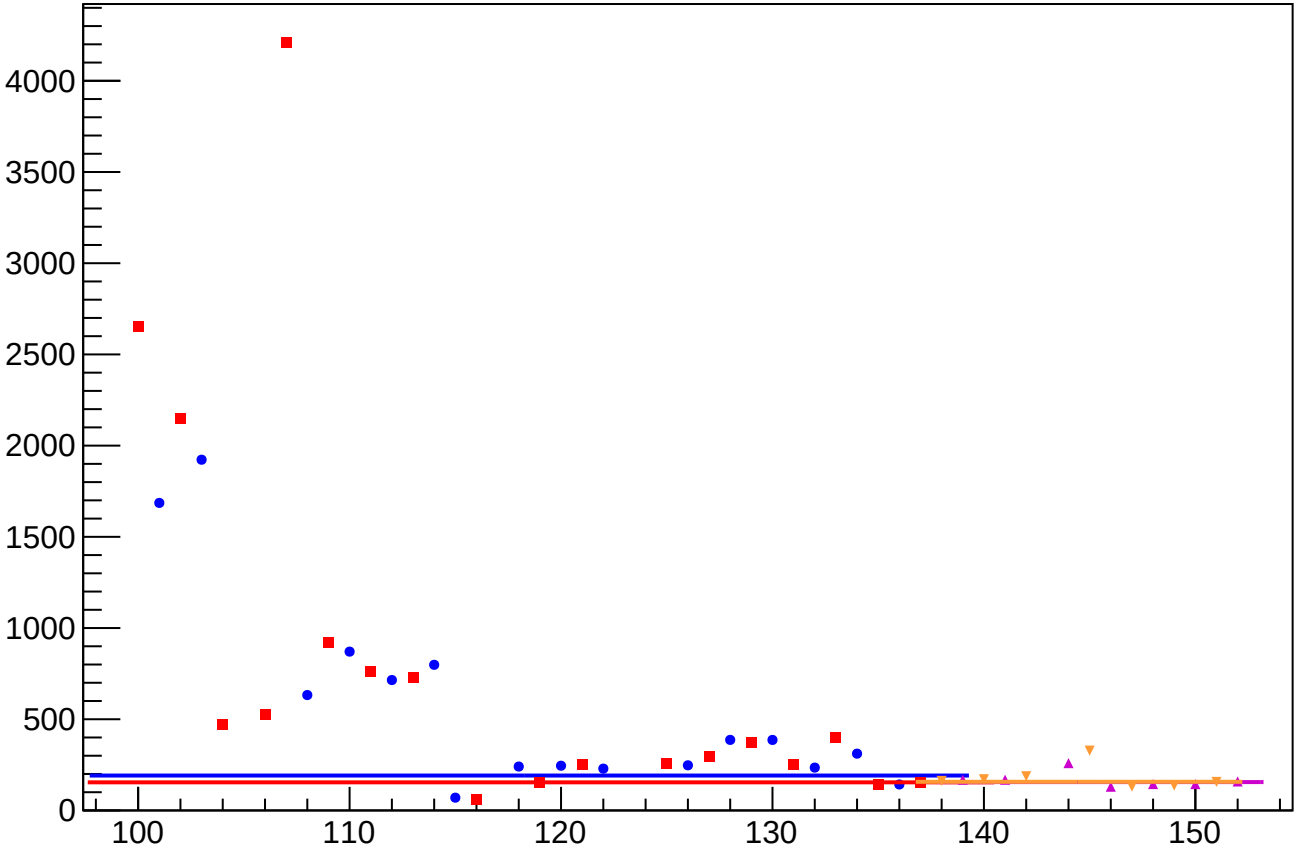
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 37.746+/-52.834 χ^2/NDF:21.0/22

Out: -24.677+/-53.617 χ^2/NDF:35.3/24

All: 6.994+/-37.633 χ^2/NDF: 57.0/47

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: 155.523+/-0.046 χ^2/NDF:376659.7/6

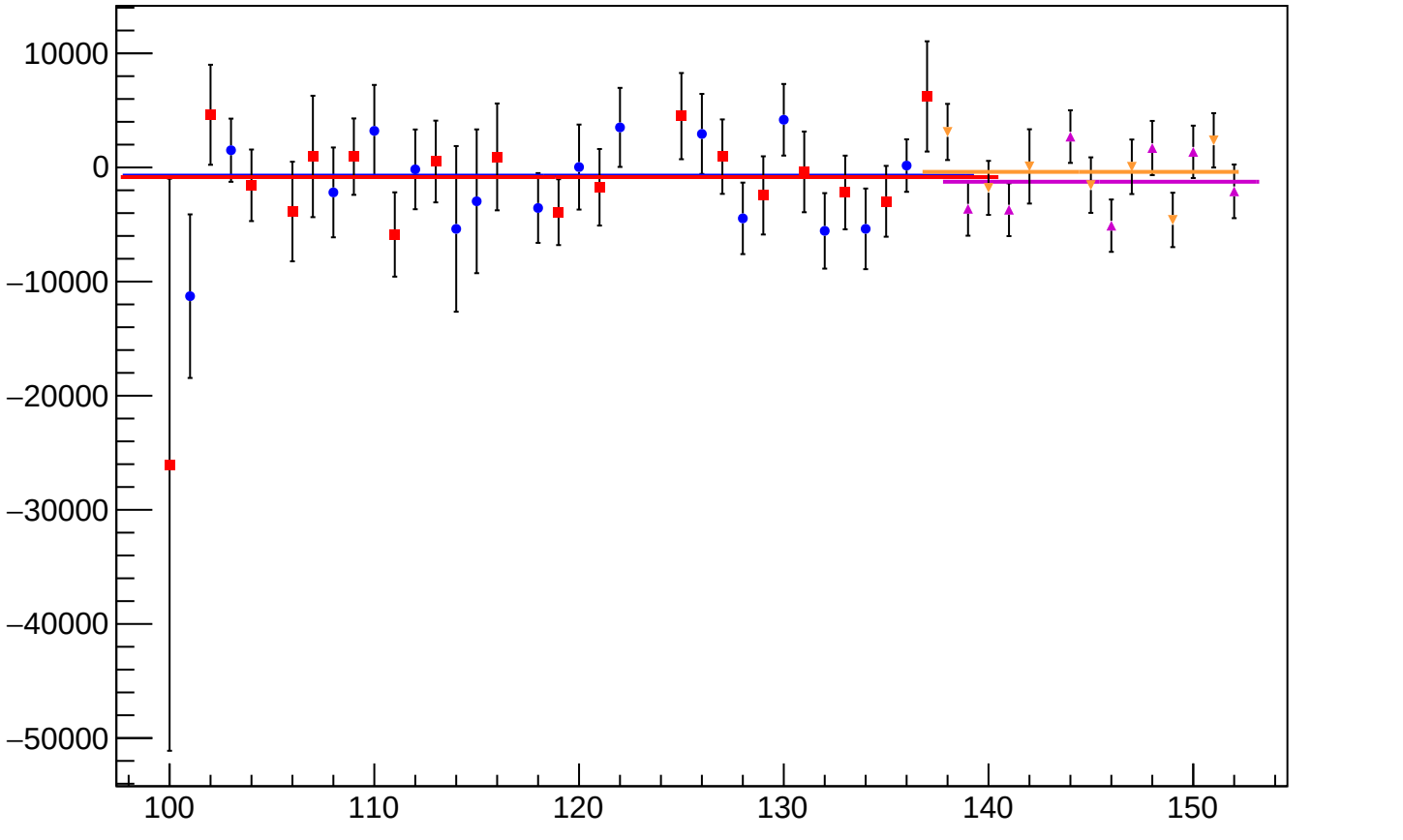
Left: 156.242+/-0.034 χ^2/NDF: 946134.7/13

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 167.640+/-0.037 χ^2/NDF:5646580.4/22

Out: 155.832+/-0.038 χ^2/NDF:6679105.3/24

All: 161.823+/-0.027 χ^2/NDF: 12374893.0/47



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: -1252.553+/-879.600 χ^2/NDF:10.9/6

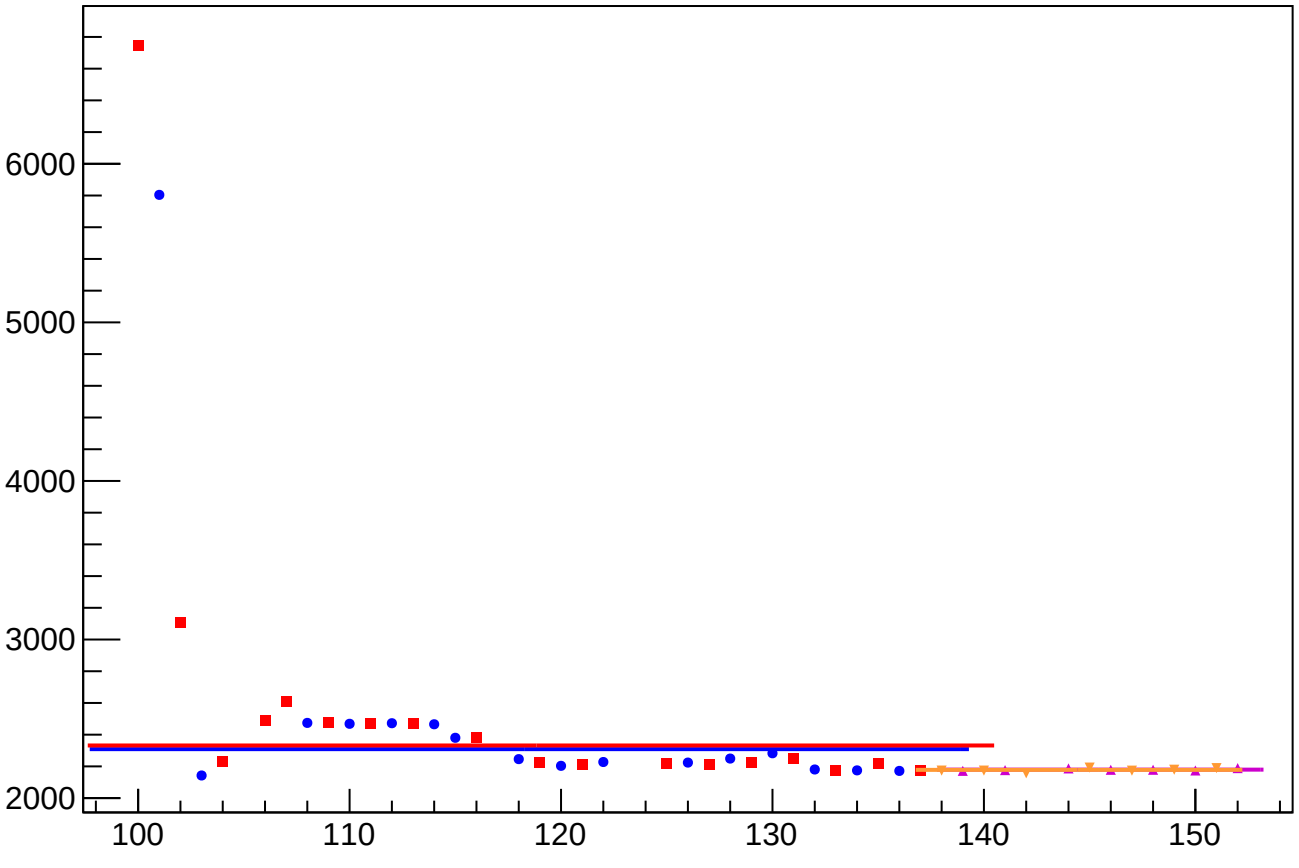
Left: -847.453+/-641.848 χ^2/NDF: 18.4/13

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -982.993+/-619.817 χ^2/NDF:26.9/22

Out: -630.488+/-639.500 χ^2/NDF:19.4/24

All: -812.249+/-445.073 χ^2/NDF: 46.5/47



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: 2179.503+/-0.622 χ^2/NDF:90.8/6

Left: 2178.819+/-0.454 χ^2/NDF: 317.7/13

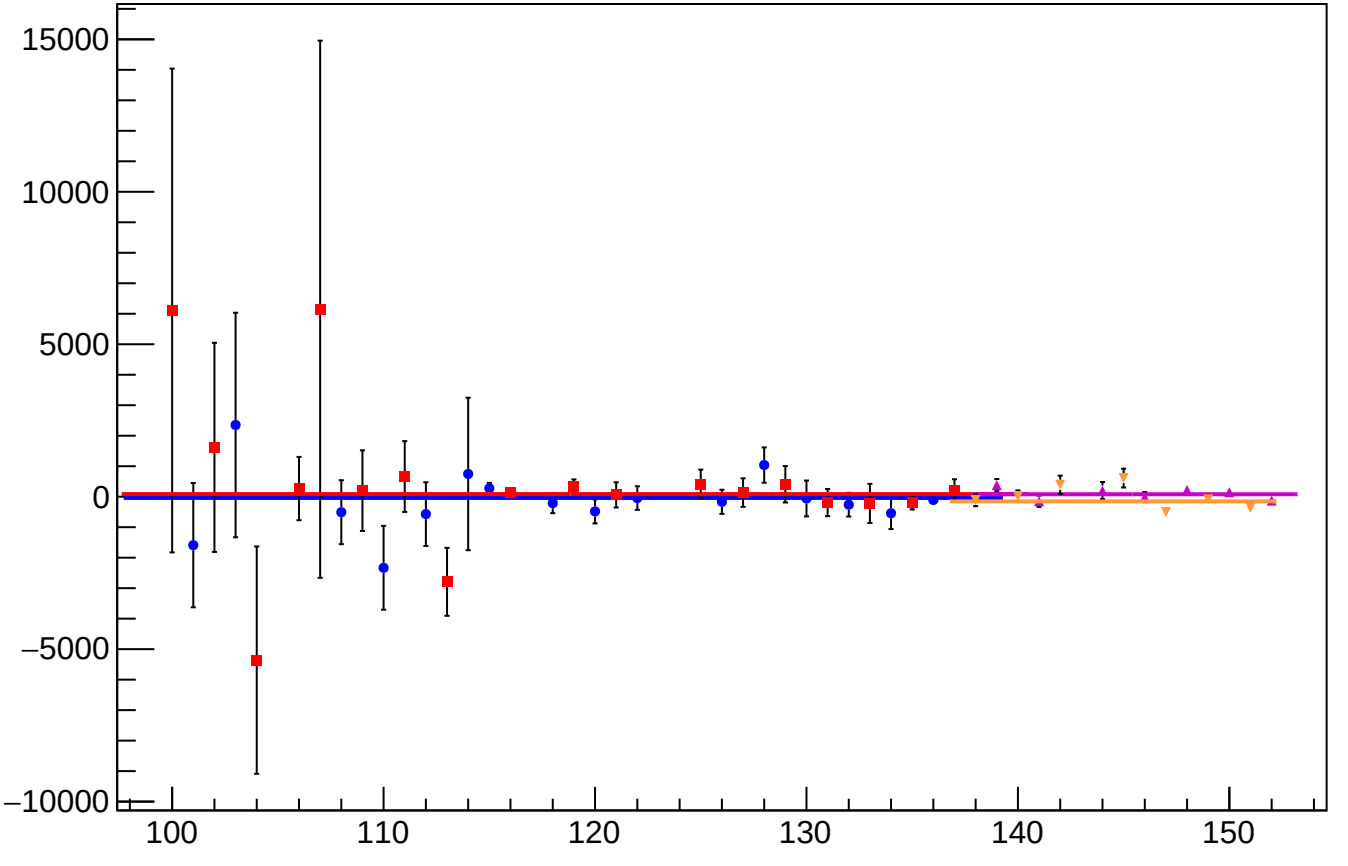
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2244.568+/-0.438 χ^2/NDF:535569.5/22

Out: 2260.464+/-0.452 χ^2/NDF:196320.5/24

All: 2252.268+/-0.315 χ^2/NDF: 732527.2/47

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: 80.537+/-66.513 χ^2/NDF:6.9/6

Left: -28.938+/-48.565 χ^2/NDF: 30.0/13

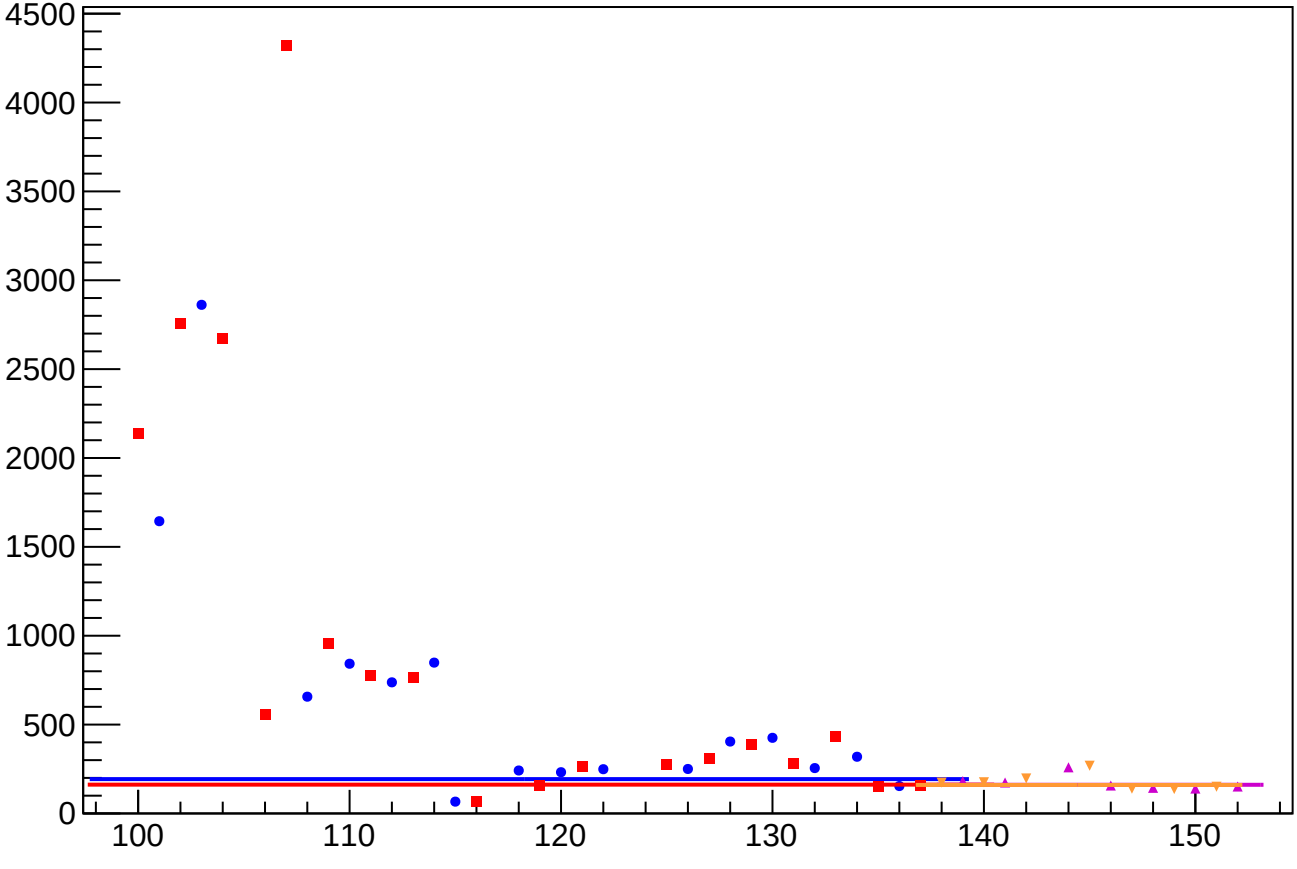
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 39.361+/-53.984 χ^2/NDF:22.0/22

Out: -56.534+/-54.810 χ^2/NDF:37.0/24

All: -7.858+/-38.461 χ^2/NDF: 60.5/47

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: 161.287+/-0.047 χ^2/NDF:350108.6/6

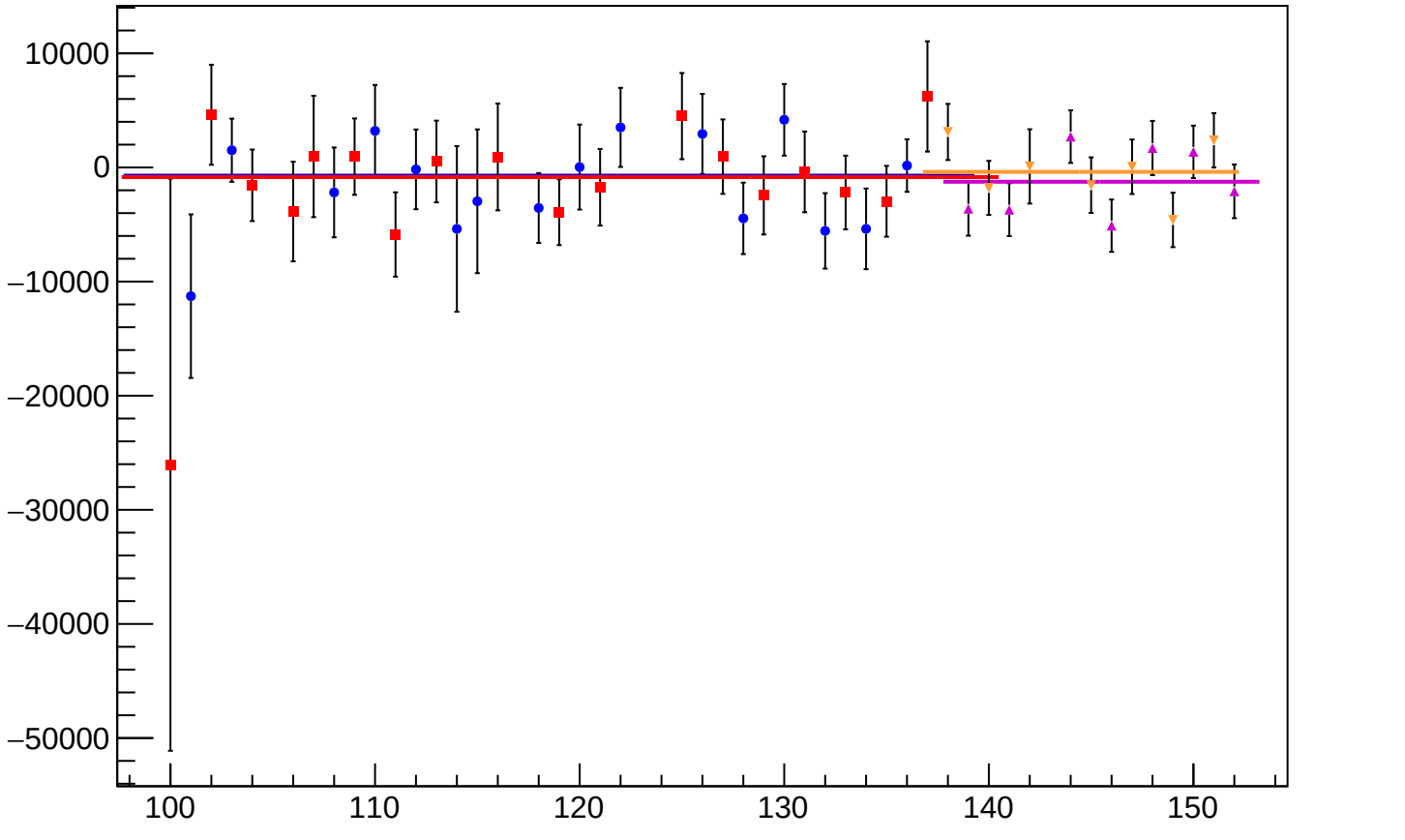
Left: 160.862+/-0.034 χ^2/NDF: 738802.3/13

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 172.197+/-0.038 χ^2/NDF:6125627.5/22

Out: 161.081+/-0.039 χ^2/NDF:7459492.3/24

All: 166.723+/-0.027 χ^2/NDF: 13626873.1/47



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: -1252.553+/-879.600 χ^2/NDF:10.9/6

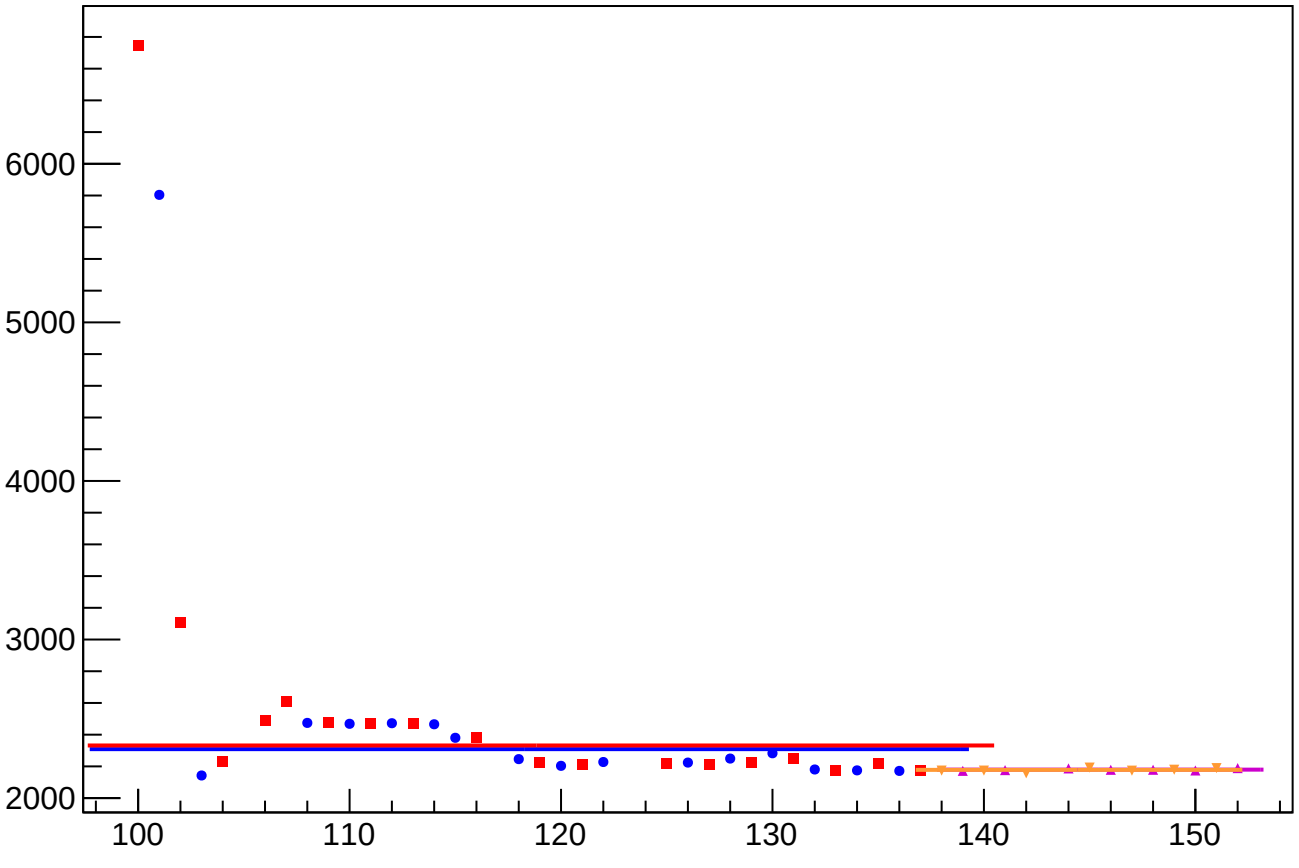
Left: -847.455+/-641.848 χ^2/NDF: 18.4/13

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -982.994+/-619.817 χ^2/NDF:26.9/22

Out: -630.490+/-639.500 χ^2/NDF:19.4/24

All: -812.250+/-445.073 χ^2/NDF: 46.5/47



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: 2179.503+/-0.622 χ^2/NDF:90.8/6

Left: 2178.819+/-0.454 χ^2/NDF: 317.7/13

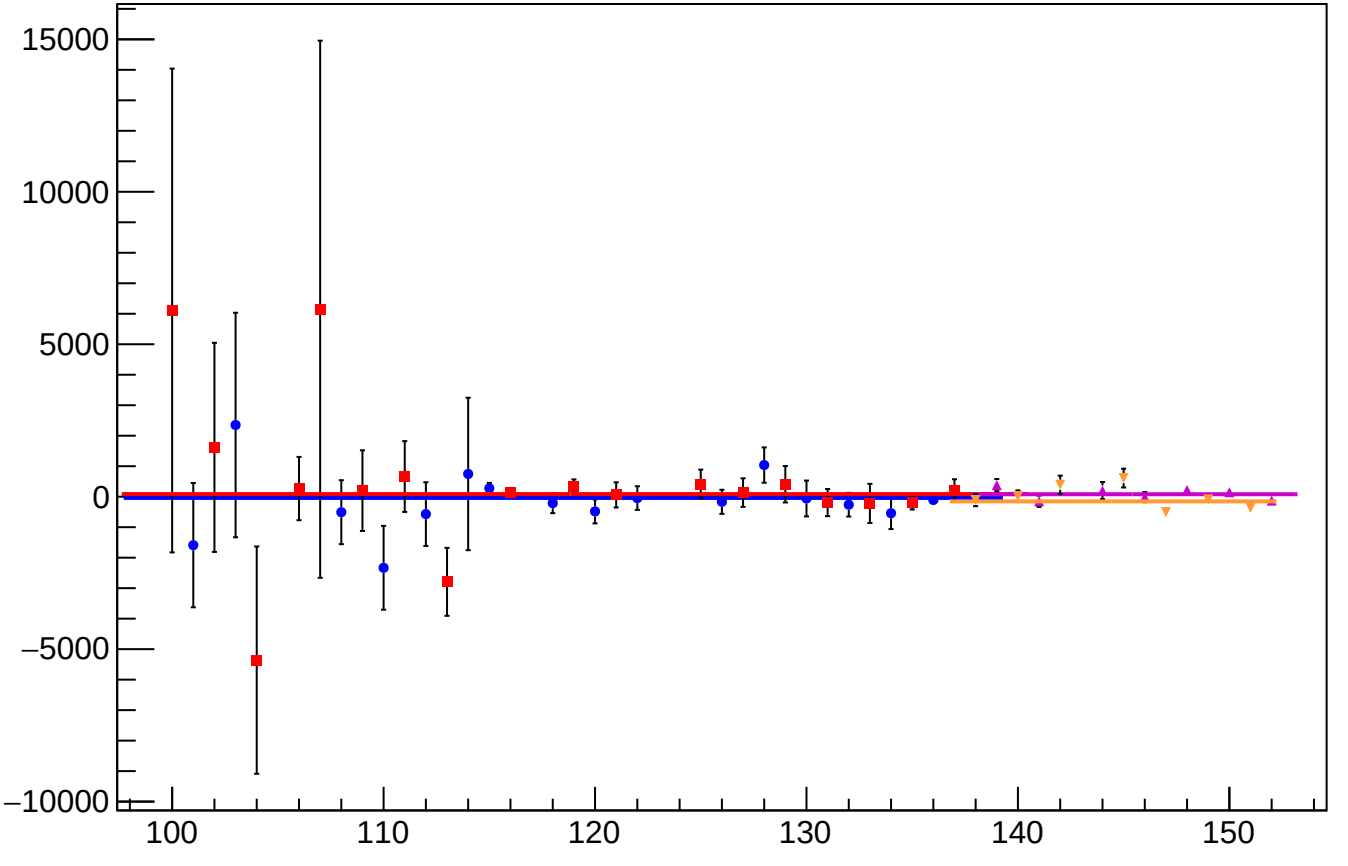
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2244.568+/-0.438 χ^2/NDF:535569.5/22

Out: 2260.464+/-0.452 χ^2/NDF:196320.4/24

All: 2252.268+/-0.315 χ^2/NDF: 732527.1/47

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: 80.534+/-66.513 χ^2/NDF:6.9/6

Left: -28.940+/-48.565 χ^2/NDF: 30.0/13

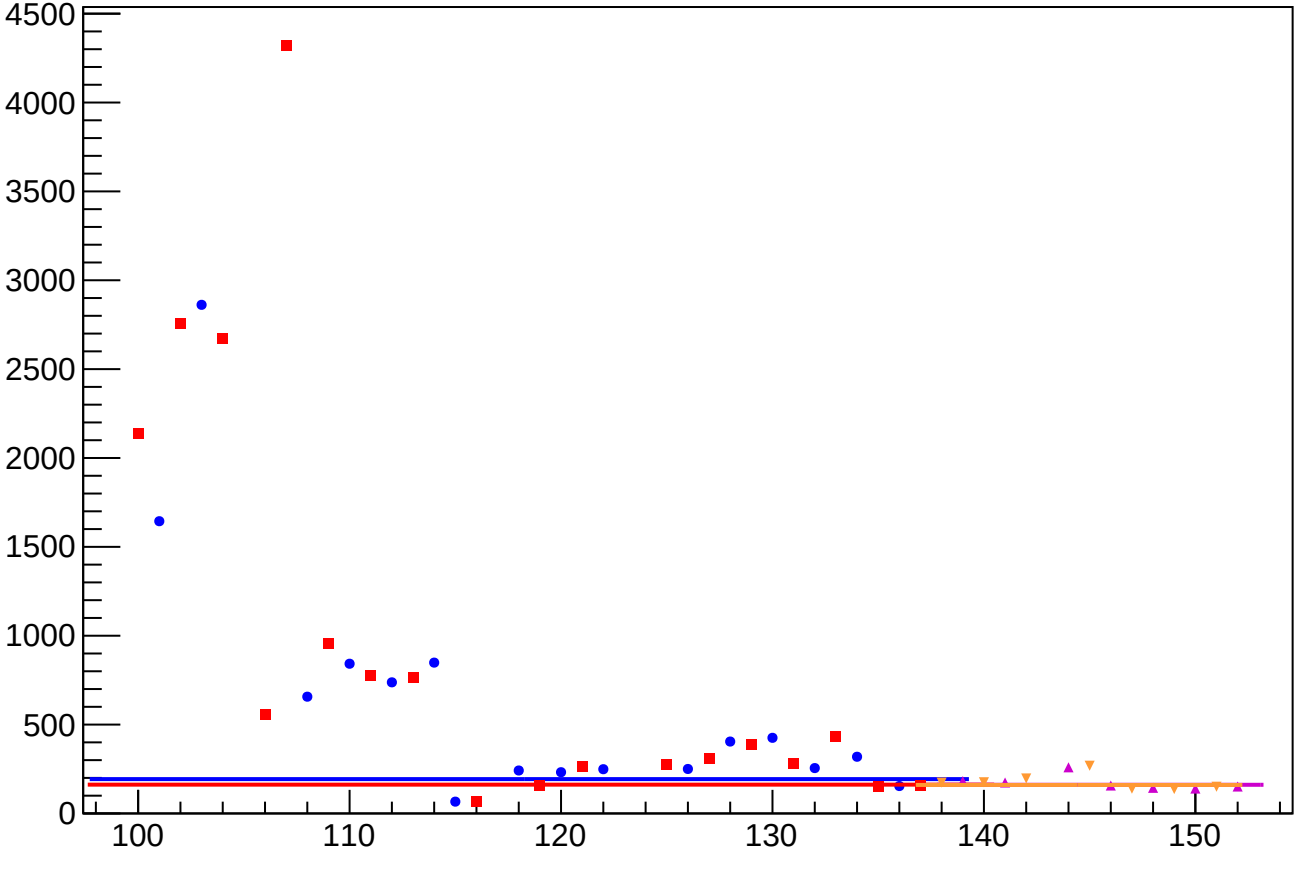
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 39.360+/-53.984 χ^2/NDF:22.0/22

Out: -56.532+/-54.810 χ^2/NDF:37.0/24

All: -7.858+/-38.461 χ^2/NDF: 60.5/47

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: 161.288+/-0.047 χ^2/NDF:350102.9/6

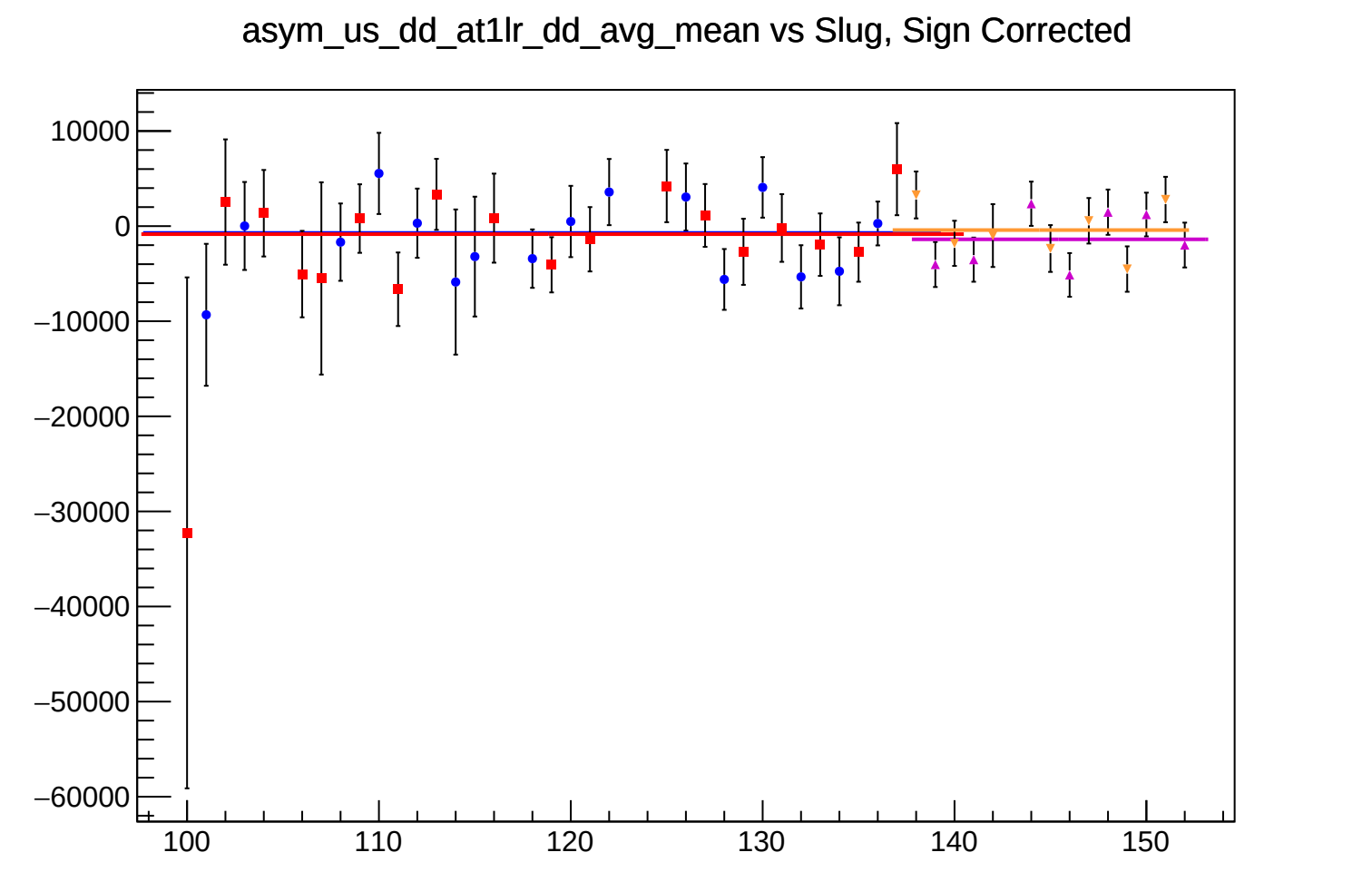
Left: 160.863+/-0.034 χ^2/NDF: 738787.3/13

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 172.196+/-0.038 χ^2/NDF:6125630.9/22

Out: 161.081+/-0.039 χ^2/NDF:7459540.1/24

All: 166.723+/-0.027 χ^2/NDF: 13626925.8/47



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: -1387.934+/-882.641 χ^2/NDF:10.1/6

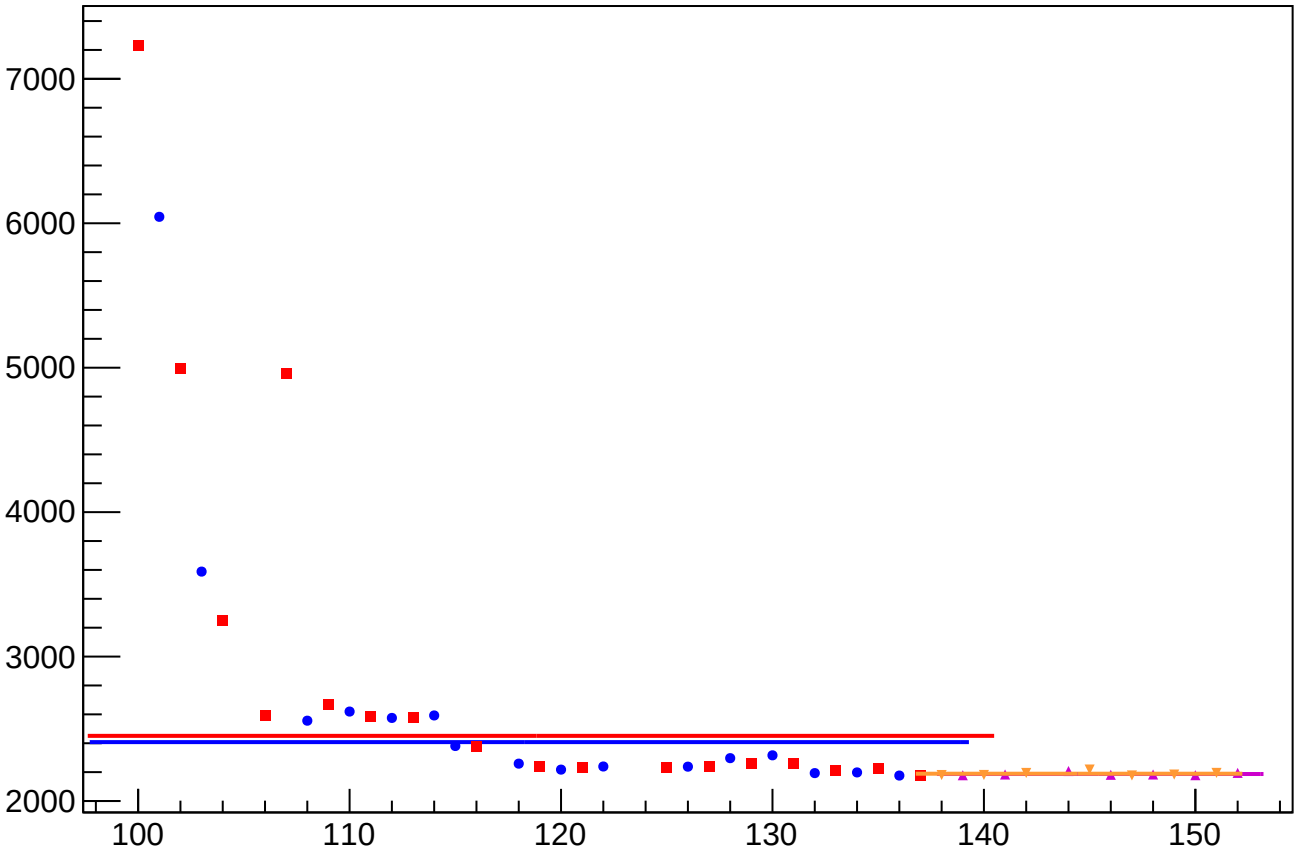
Left: -933.259+/-644.488 χ^2/NDF: 18.9/13

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -1066.224+/-635.664 χ^2/NDF:26.2/22

Out: -632.747+/-661.780 χ^2/NDF:21.2/24

All: -858.208+/-458.437 χ^2/NDF: 47.6/47



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: 2187.017+/-0.624 χ^2/NDF:250.4/6

Left: 2187.983+/-0.456 χ^2/NDF: 663.1/13

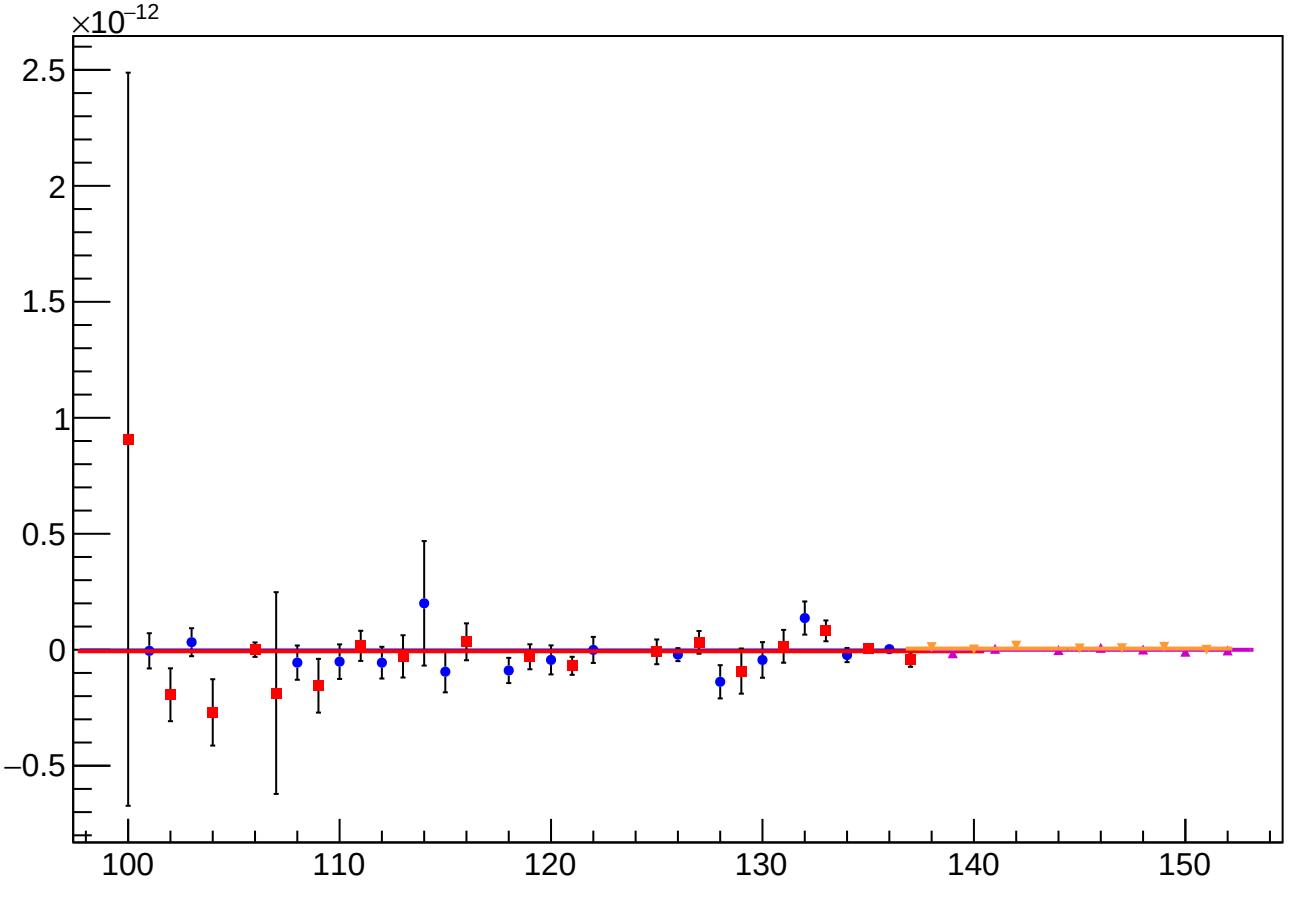
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2293.285+/-0.449 χ^2/NDF:737372.8/22

Out: 2322.177+/-0.468 χ^2/NDF:712419.3/24

All: 2307.150+/-0.324 χ^2/NDF: 1451774.8/47

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:7.8/6

Left: 0.000+/-0.000 χ^2/NDF: 13.1/13

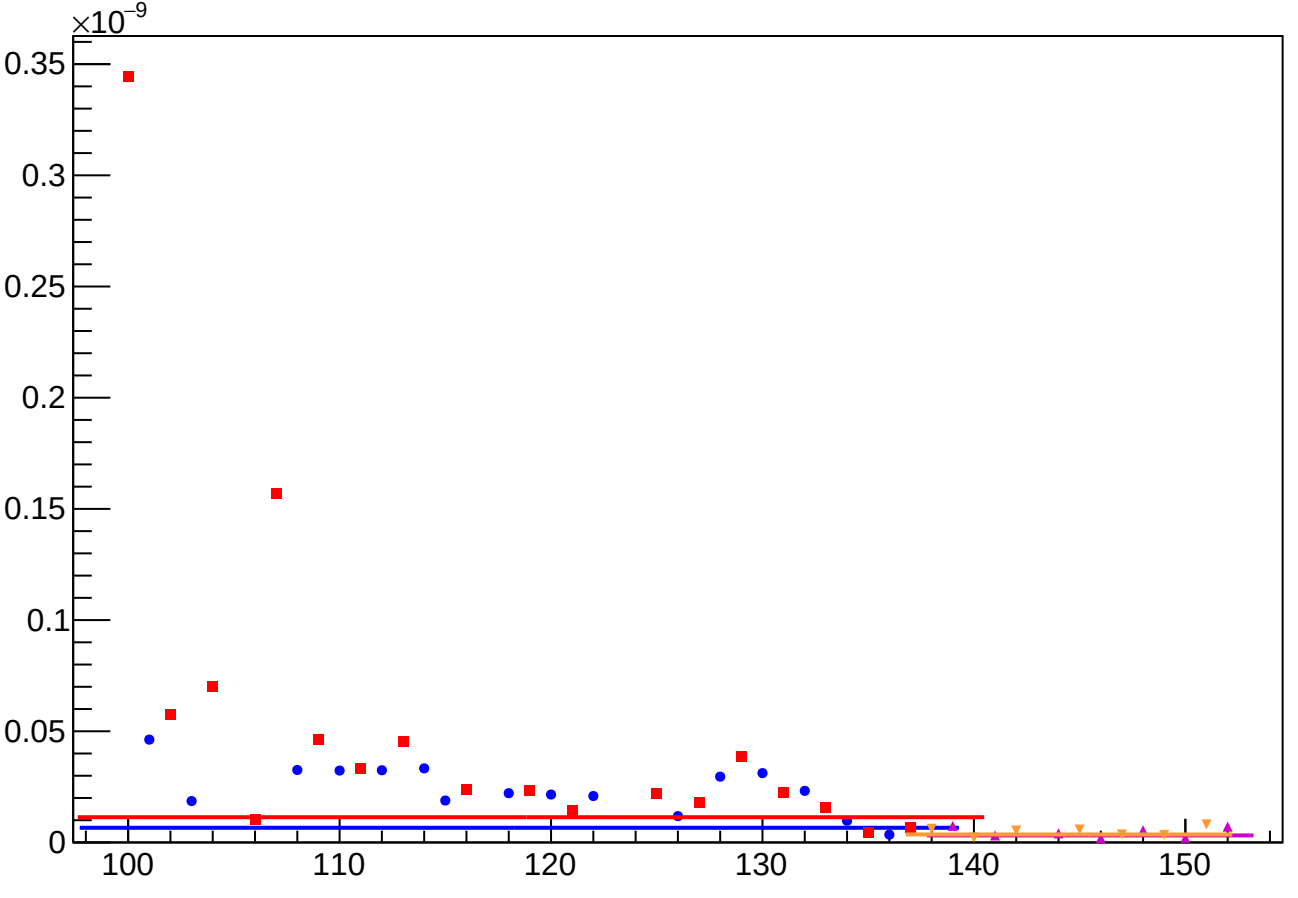
Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:23.6/22

Out: 0.000+/-0.000 χ^2/NDF:23.6/24

All: 0.000+/-0.000 χ^2/NDF: 49.0/47

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:781851.7/6

Left: 0.000+/-0.000 χ^2/NDF: 1567400.2/13

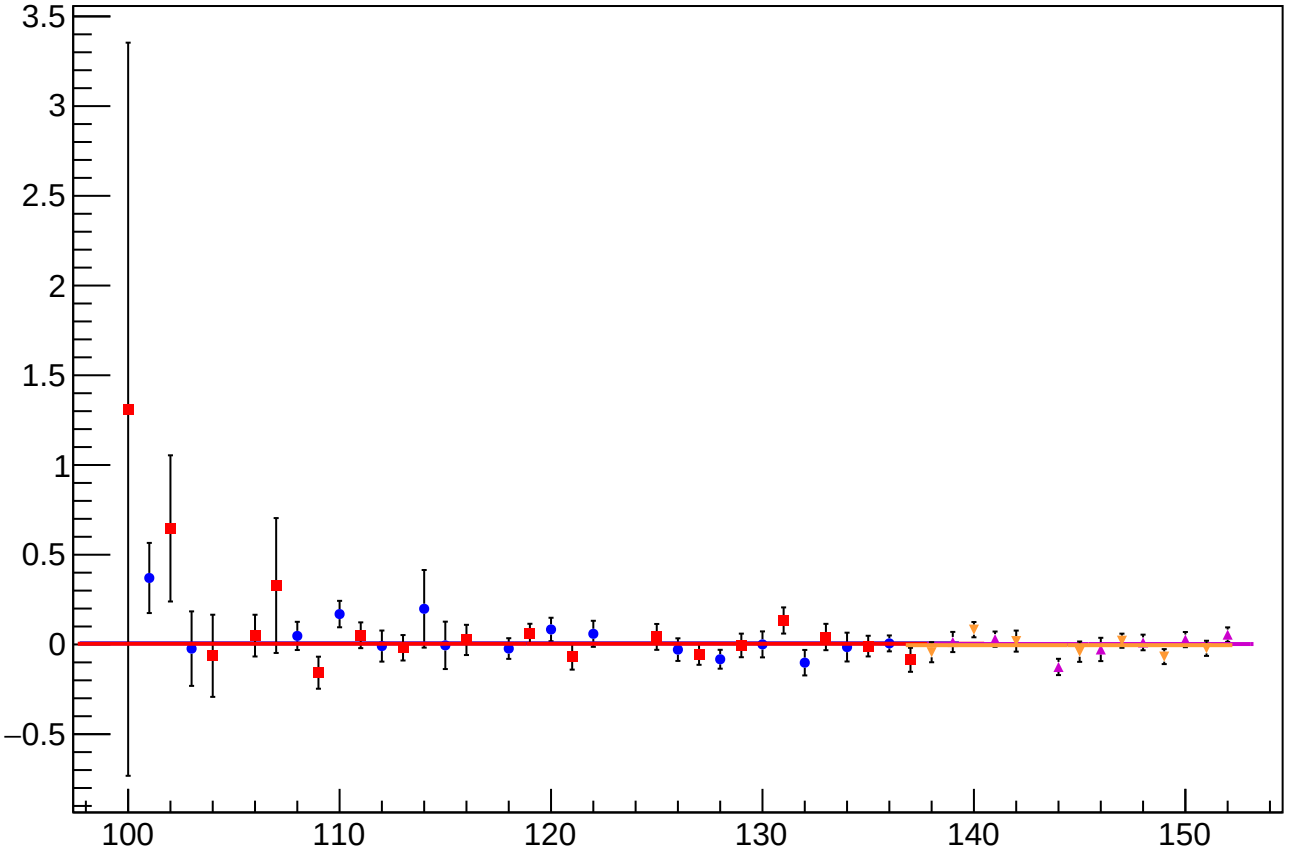
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4151616.5/22

Out: 0.000+/-0.000 χ^2/NDF:4620785.4/24

All: 0.000+/-0.000 χ^2/NDF: 8815345.4/47

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: 0.002+/-0.017 χ^2/NDF:10.6/6

Left: -0.001+/-0.012 χ^2/NDF: 18.8/13

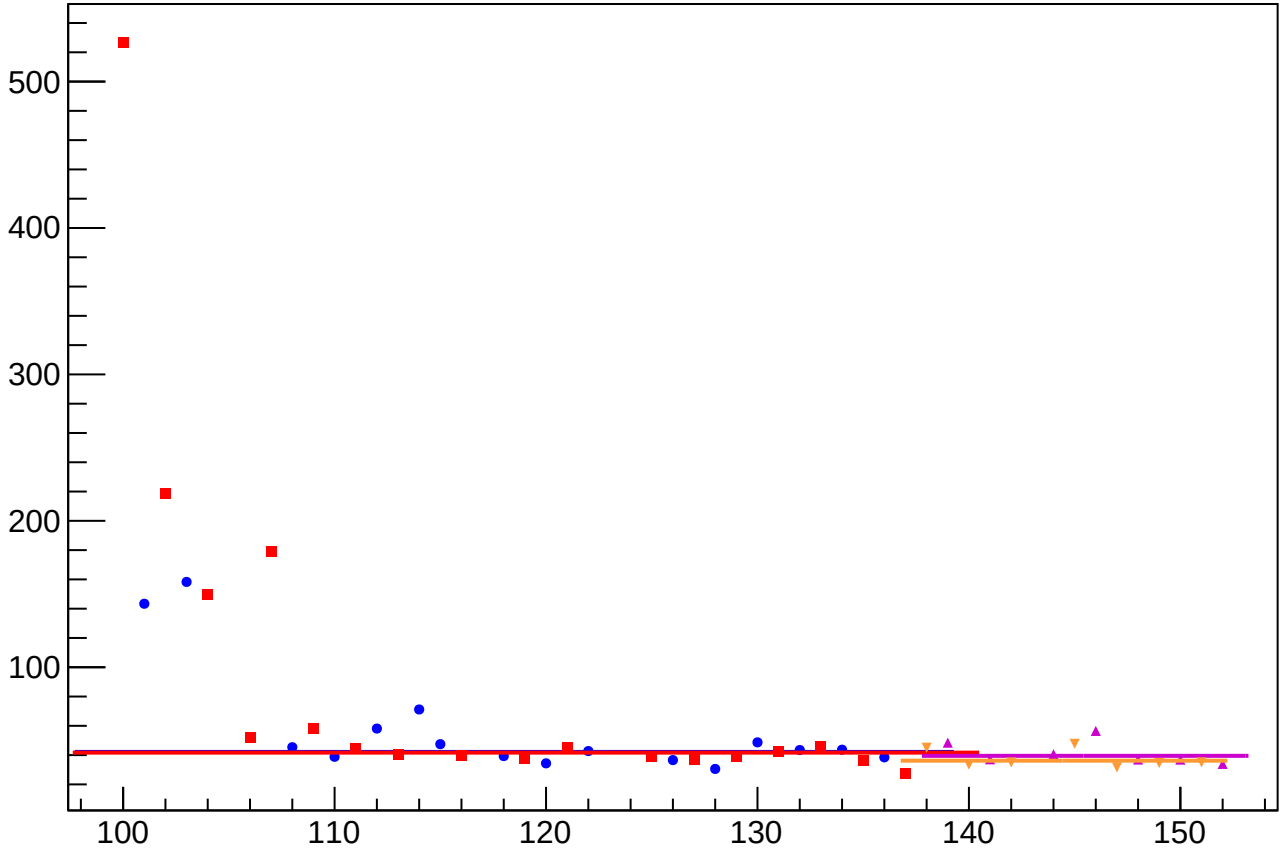
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.013 χ^2/NDF:27.9/22

Out: -0.000+/-0.013 χ^2/NDF:24.4/24

All: 0.002+/-0.009 χ^2/NDF: 52.4/47

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: 39.501+/-0.012 χ^2/NDF:247123.2/6

Left: 37.859+/-0.009 χ^2/NDF: 456195.4/13

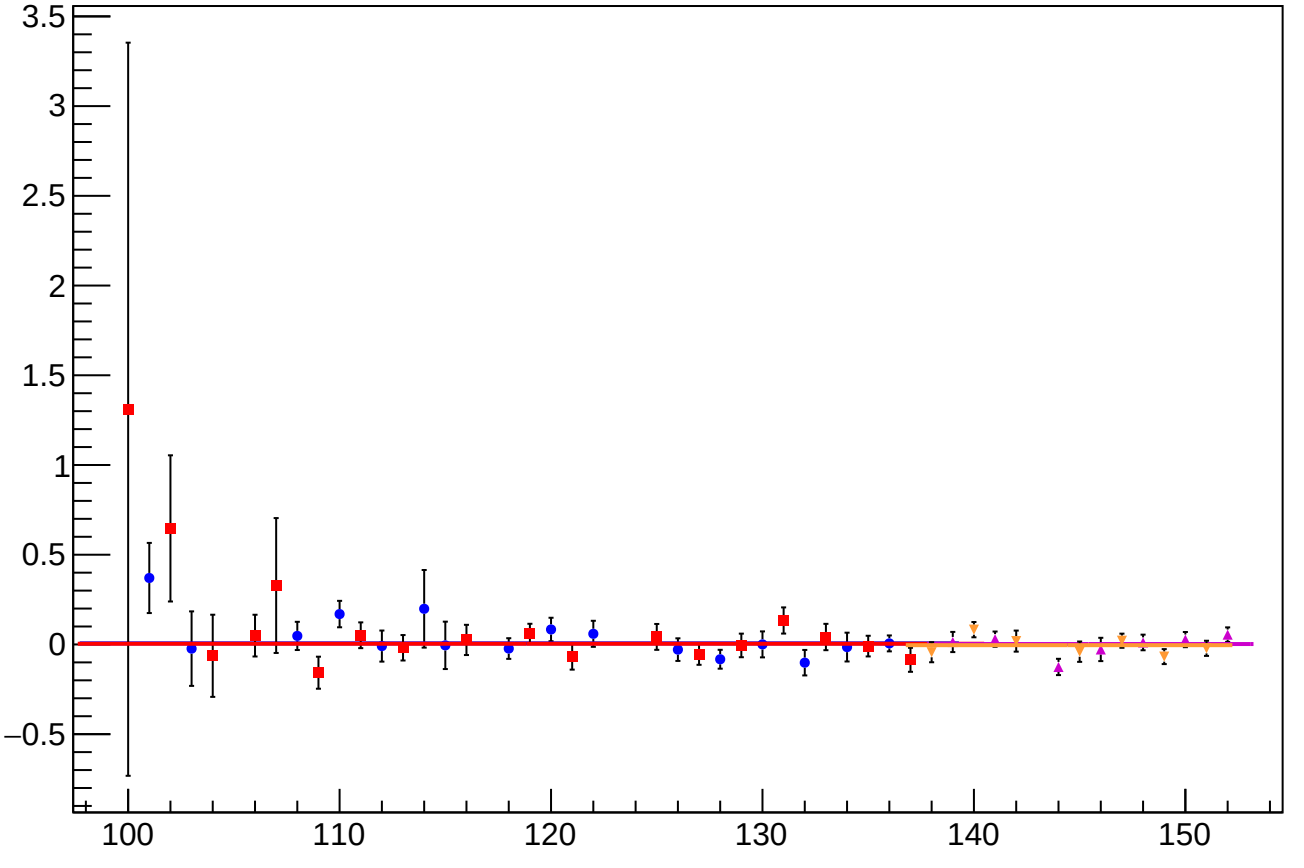
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.772+/-0.009 χ^2/NDF:1723777.4/22

Out: 38.785+/-0.009 χ^2/NDF:1707042.3/24

All: 39.790+/-0.006 χ^2/NDF: 3455355.3/47

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: 0.002+/-0.017 χ^2/NDF:10.6/6

Left: -0.001+/-0.012 χ^2/NDF: 18.8/13

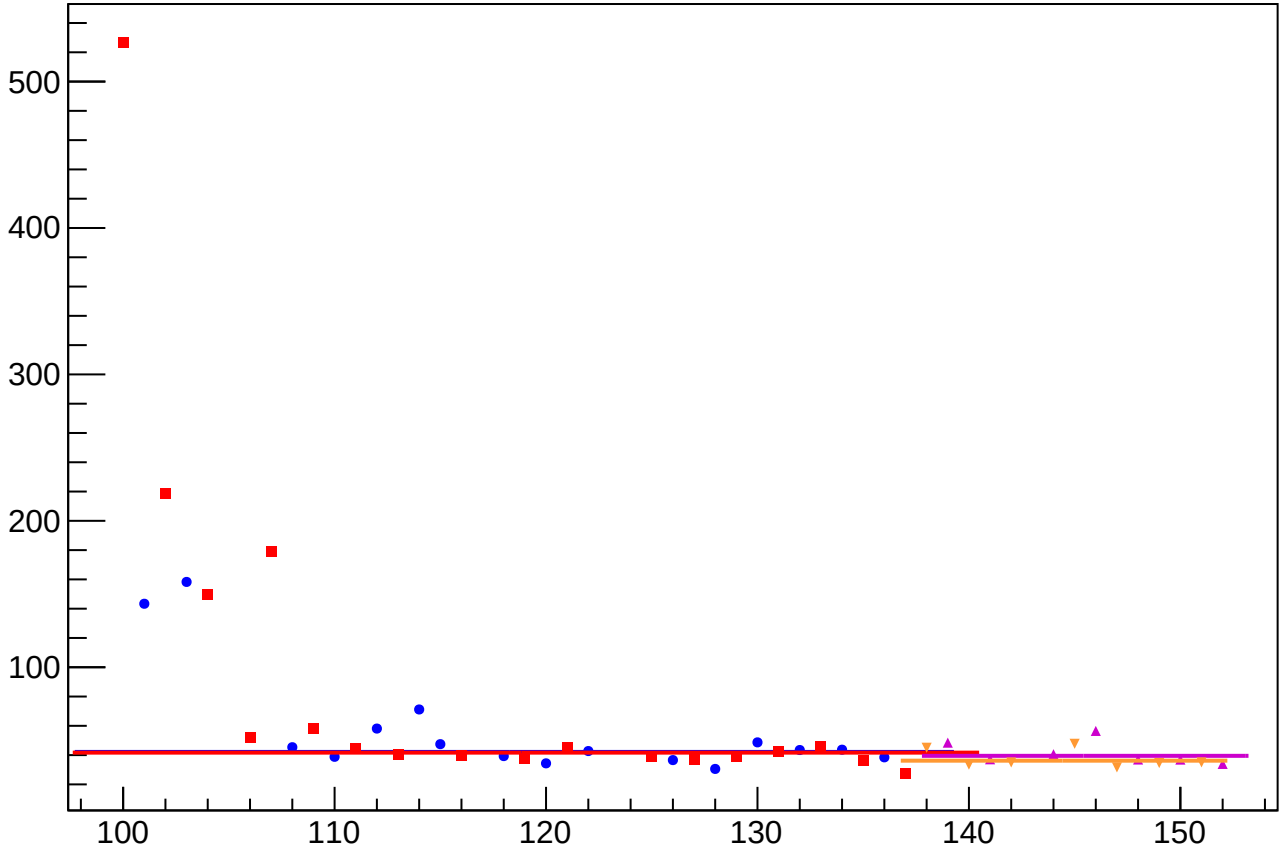
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.013 χ^2/NDF:27.9/22

Out: -0.000+/-0.013 χ^2/NDF:24.4/24

All: 0.002+/-0.009 χ^2/NDF: 52.4/47

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 36.197+/-0.012 χ^2/NDF:173379.3/6

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.501+/-0.012 χ^2/NDF:247123.2/6

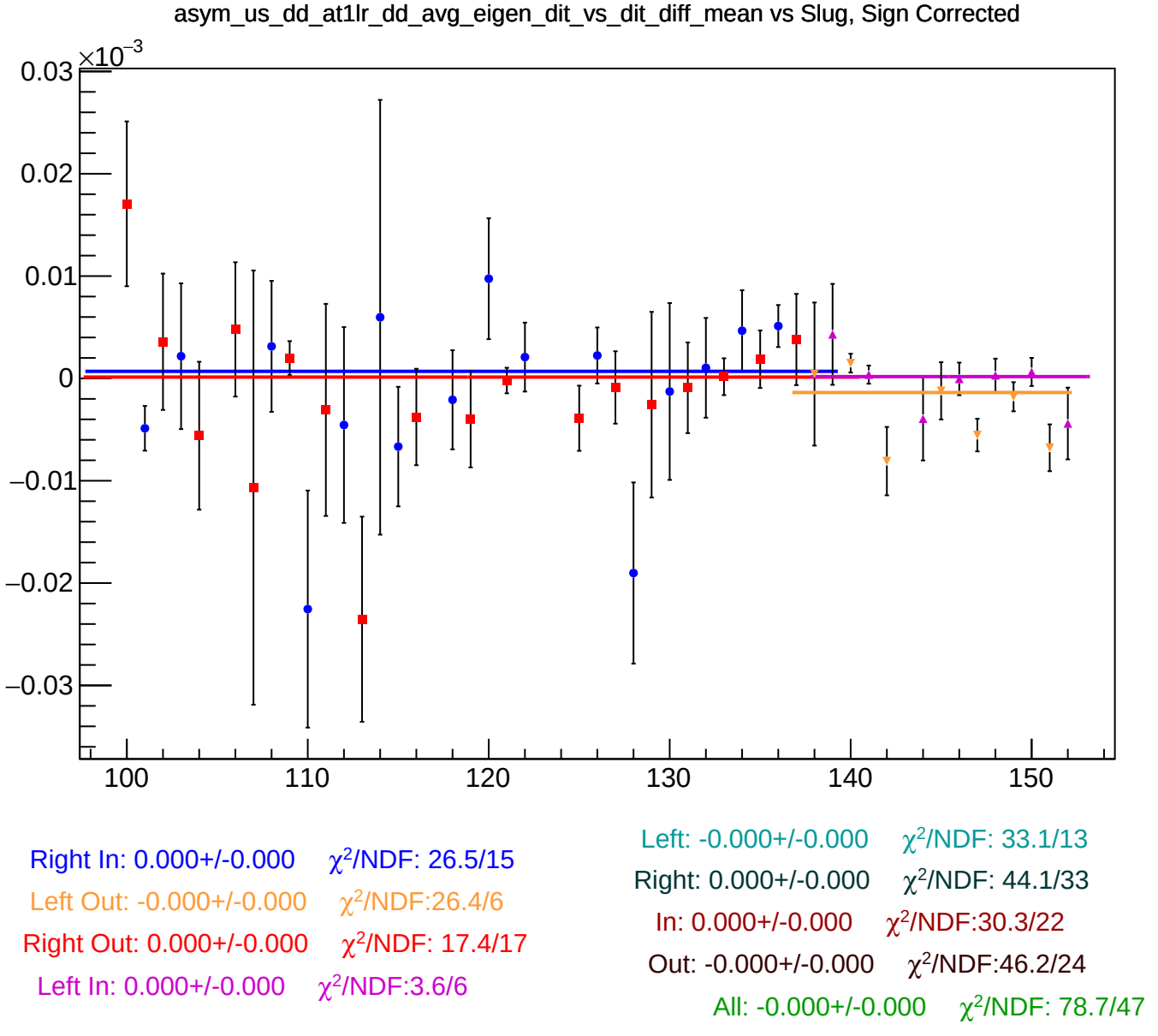
Left: 37.859+/-0.009 χ^2/NDF: 456195.4/13

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

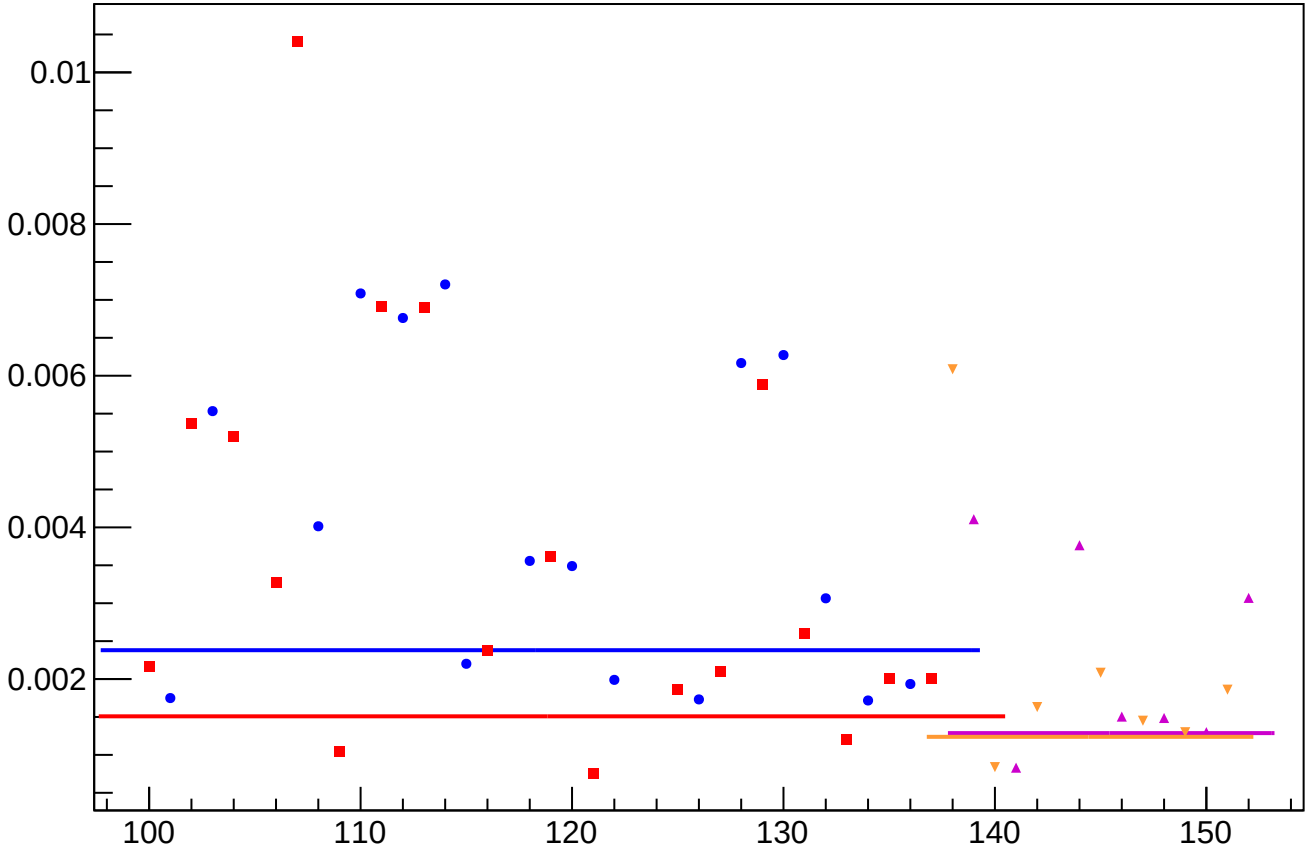
In: 40.772+/-0.009 χ^2/NDF:1723777.4/22

Out: 38.785+/-0.009 χ^2/NDF:1707042.3/24

All: 39.790+/-0.006 χ^2/NDF: 3455355.3/47


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:3.6/6
Left: -0.000+/-0.000 χ²/NDF: 33.1/13
Right: 0.000+/-0.000 χ²/NDF: 44.1/33
In: 0.000+/-0.000 χ²/NDF:30.3/22
Out: -0.000+/-0.000 χ²/NDF:46.2/24
All: -0.000+/-0.000 χ²/NDF: 78.7/47

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:2504675.0/6

Left: 0.001+/-0.000 χ^2/NDF: 4248480.6/13

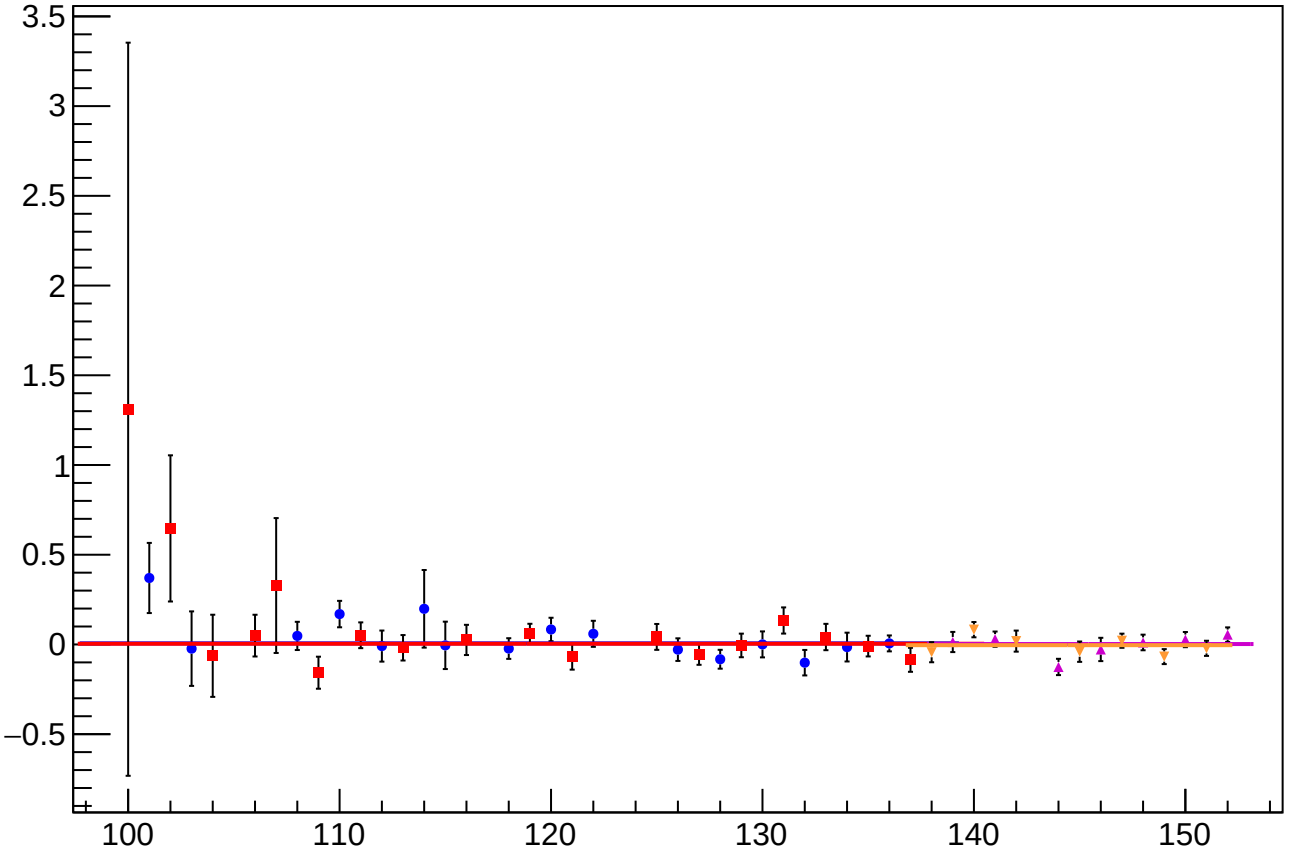
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:7046901.3/22

Out: 0.001+/-0.000 χ^2/NDF:6898293.1/24

All: 0.001+/-0.000 χ^2/NDF: 14132851.5/47

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: 0.002+/-0.017 χ^2/NDF:10.6/6

Left: -0.001+/-0.012 χ^2/NDF: 18.8/13

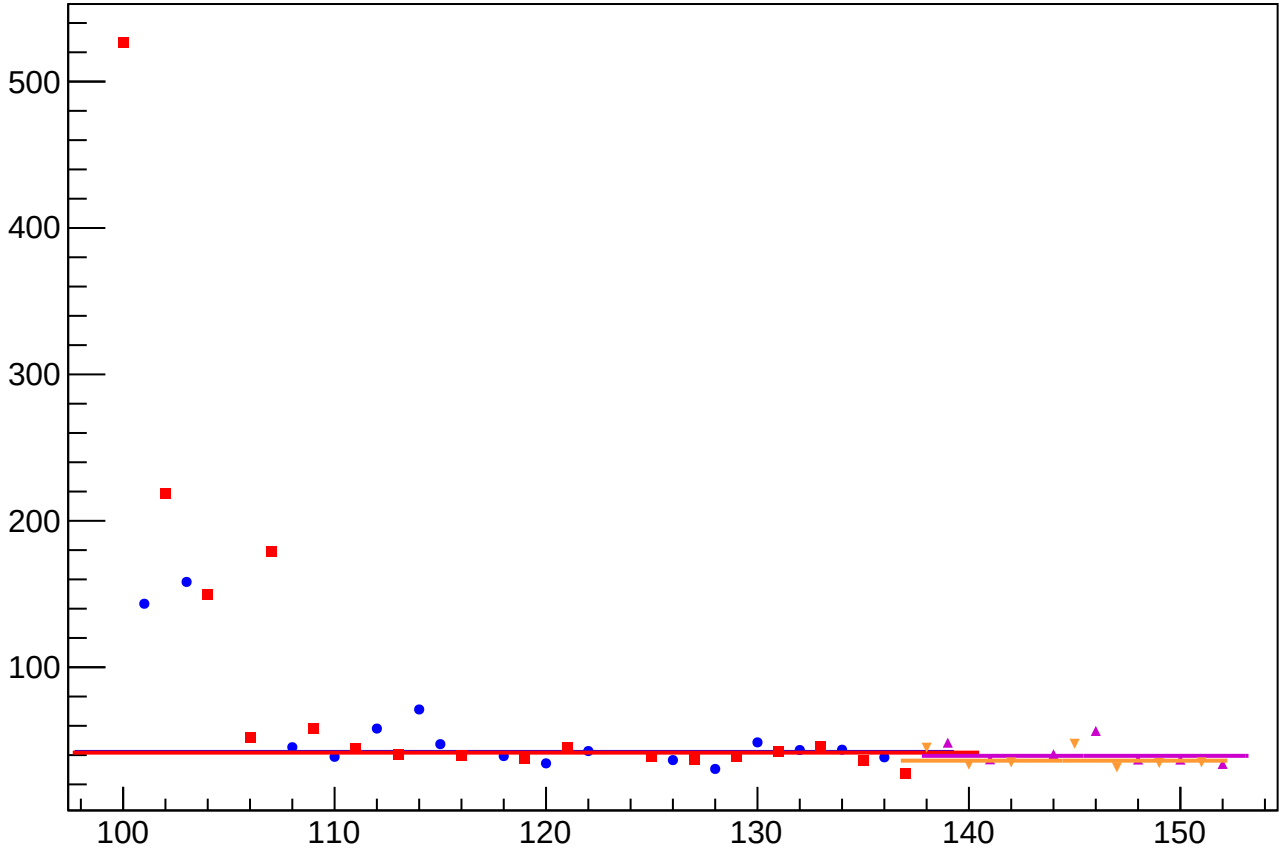
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.013 χ^2/NDF:27.9/22

Out: -0.000+/-0.013 χ^2/NDF:24.4/24

All: 0.002+/-0.009 χ^2/NDF: 52.4/47

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: 39.501+/-0.012 χ^2/NDF:247155.4/6

Left: 37.859+/-0.009 χ^2/NDF: 456192.8/13

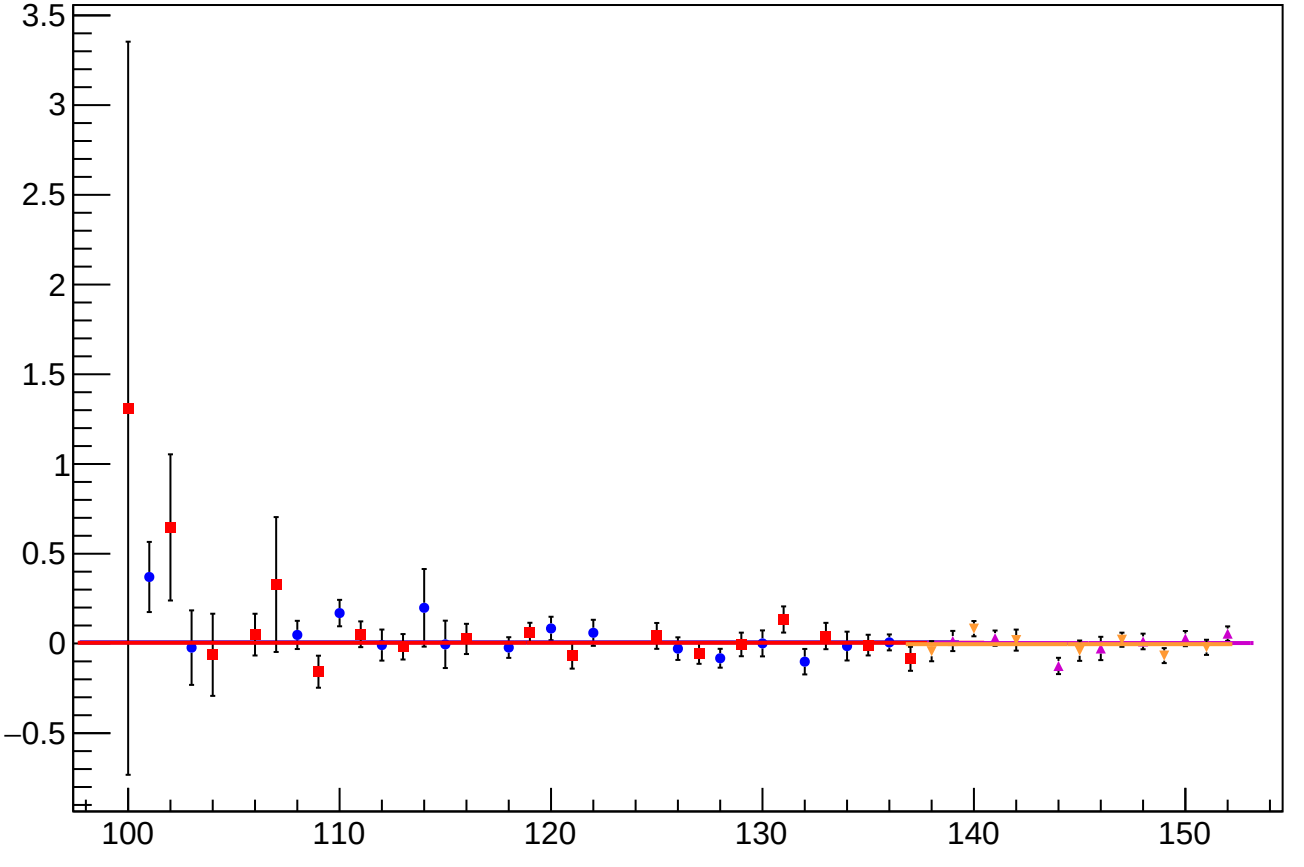
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.771+/-0.009 χ^2/NDF:1723987.0/22

Out: 38.786+/-0.009 χ^2/NDF:1707002.4/24

All: 39.790+/-0.006 χ^2/NDF: 3455484.4/47

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: 0.002+/-0.017 χ^2/NDF:10.6/6

Left: -0.001+/-0.012 χ^2/NDF: 18.8/13

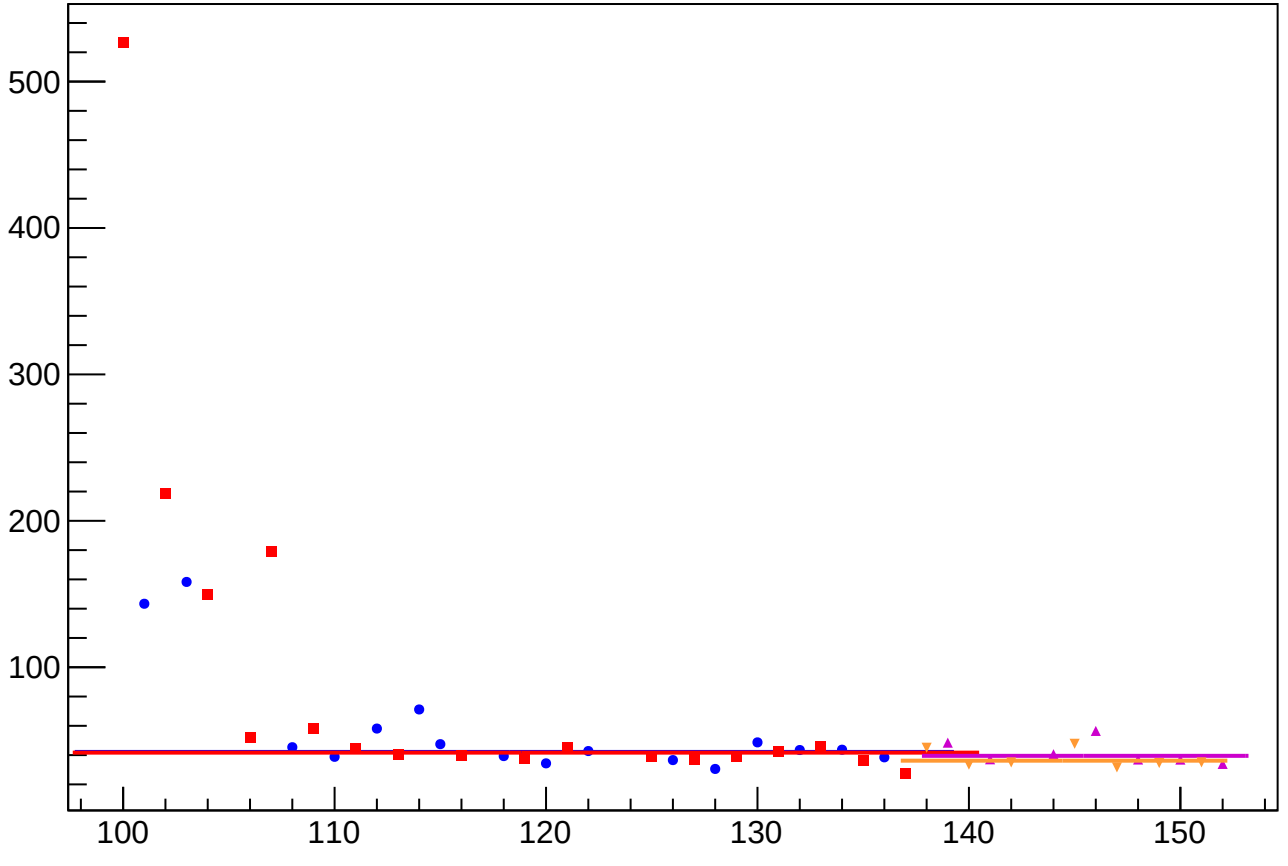
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.013 χ^2/NDF:27.9/22

Out: -0.000+/-0.013 χ^2/NDF:24.4/24

All: 0.002+/-0.009 χ^2/NDF: 52.4/47

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: 39.501+/-0.012 χ^2/NDF:247155.4/6

Left: 37.859+/-0.009 χ^2/NDF: 456192.8/13

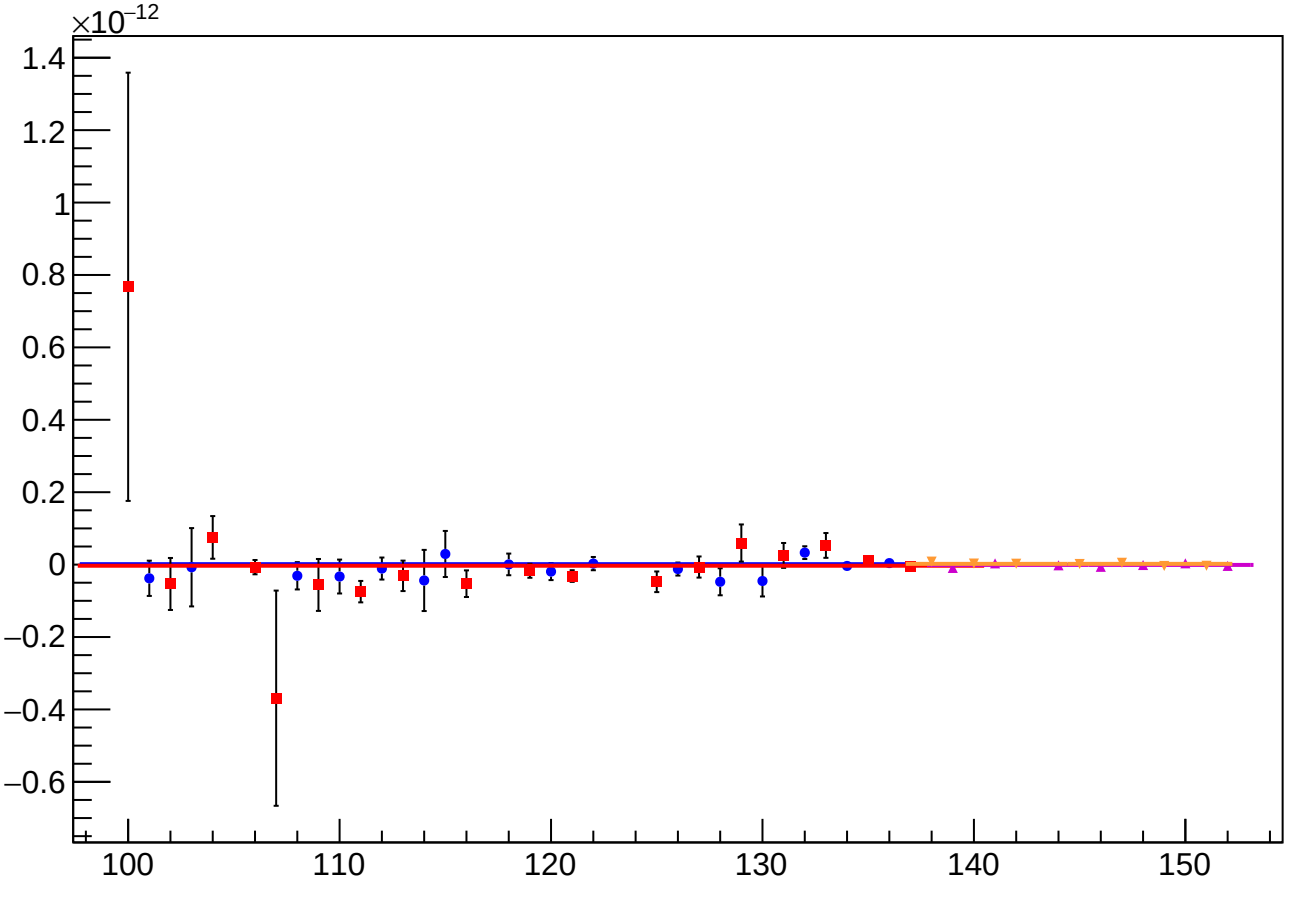
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.771+/-0.009 χ^2/NDF:1723987.0/22

Out: 38.786+/-0.009 χ^2/NDF:1707002.4/24

All: 39.790+/-0.006 χ^2/NDF: 3455484.4/47

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:5.3/6

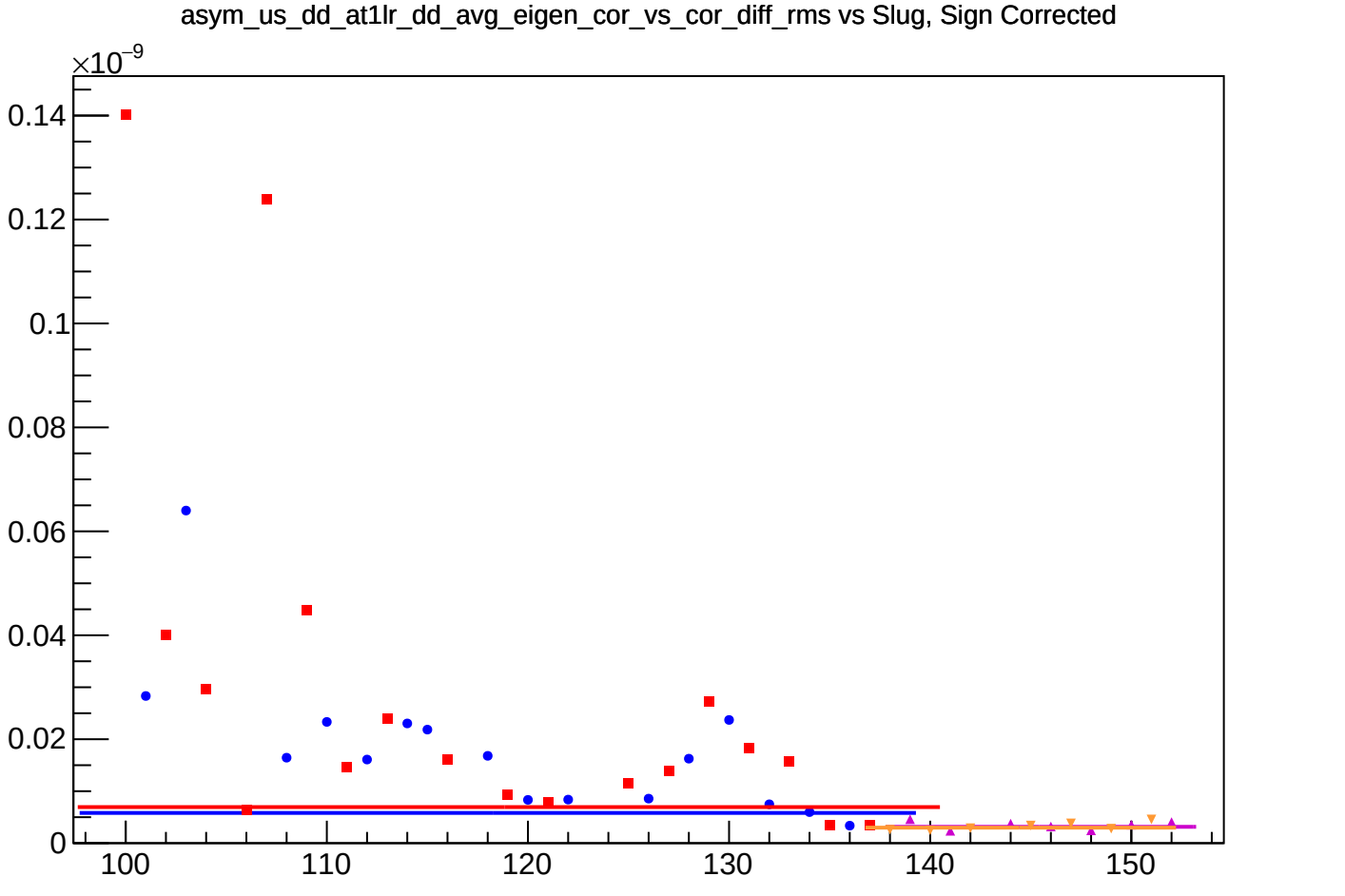
Left: 0.000+/-0.000 χ^2/NDF: 11.3/13

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:16.0/22

Out: 0.000+/-0.000 χ^2/NDF:34.5/24

All: 0.000+/-0.000 χ^2/NDF: 51.3/47



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:332109.0/6

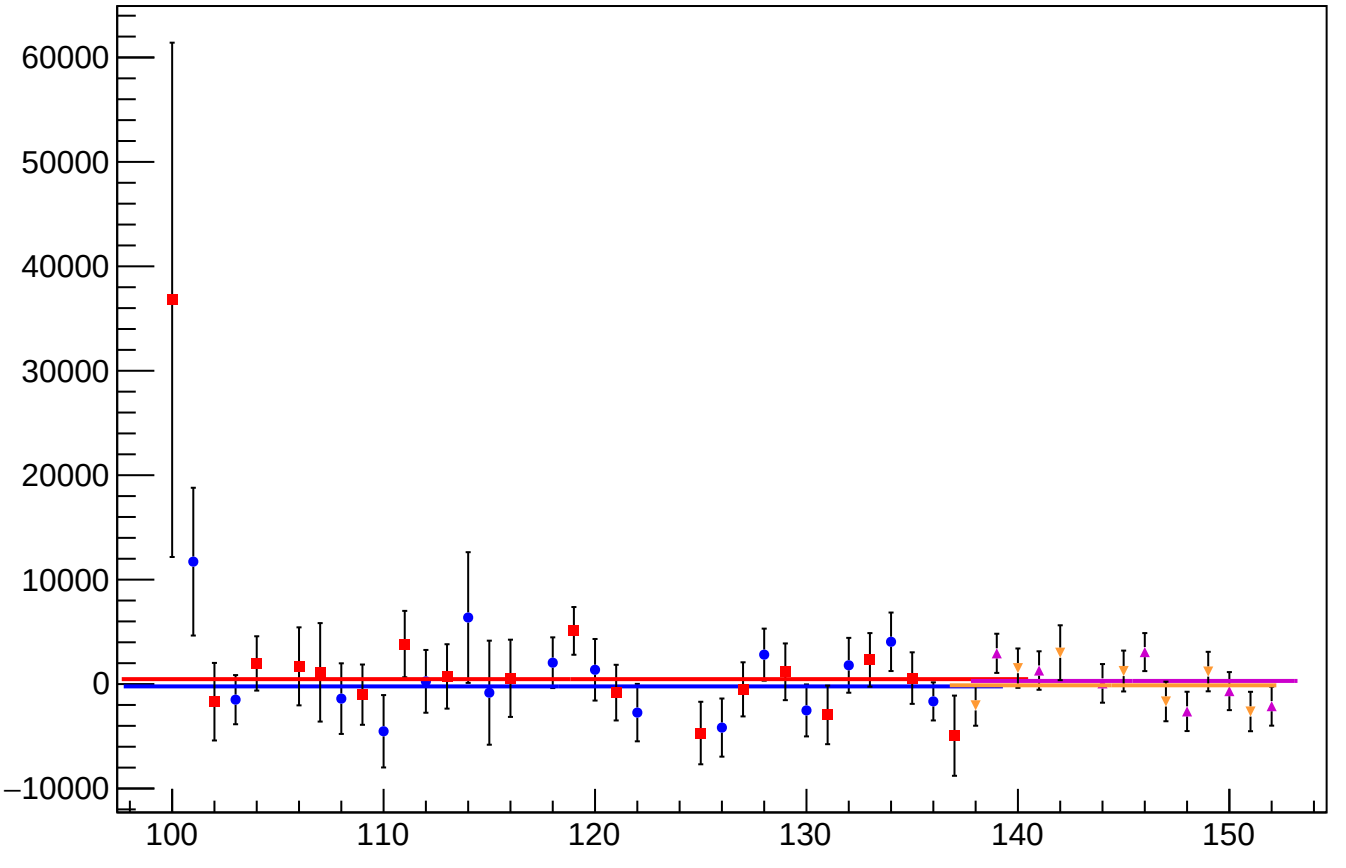
Left: 0.000+/-0.000 χ^2/NDF: 572615.5/13

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:4400984.7/22

Out: 0.000+/-0.000 χ^2/NDF:5247400.8/24

All: 0.000+/-0.000 χ^2/NDF: 9655023.9/47



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: 300.461+/-699.550 χ^2/NDF:9.0/6

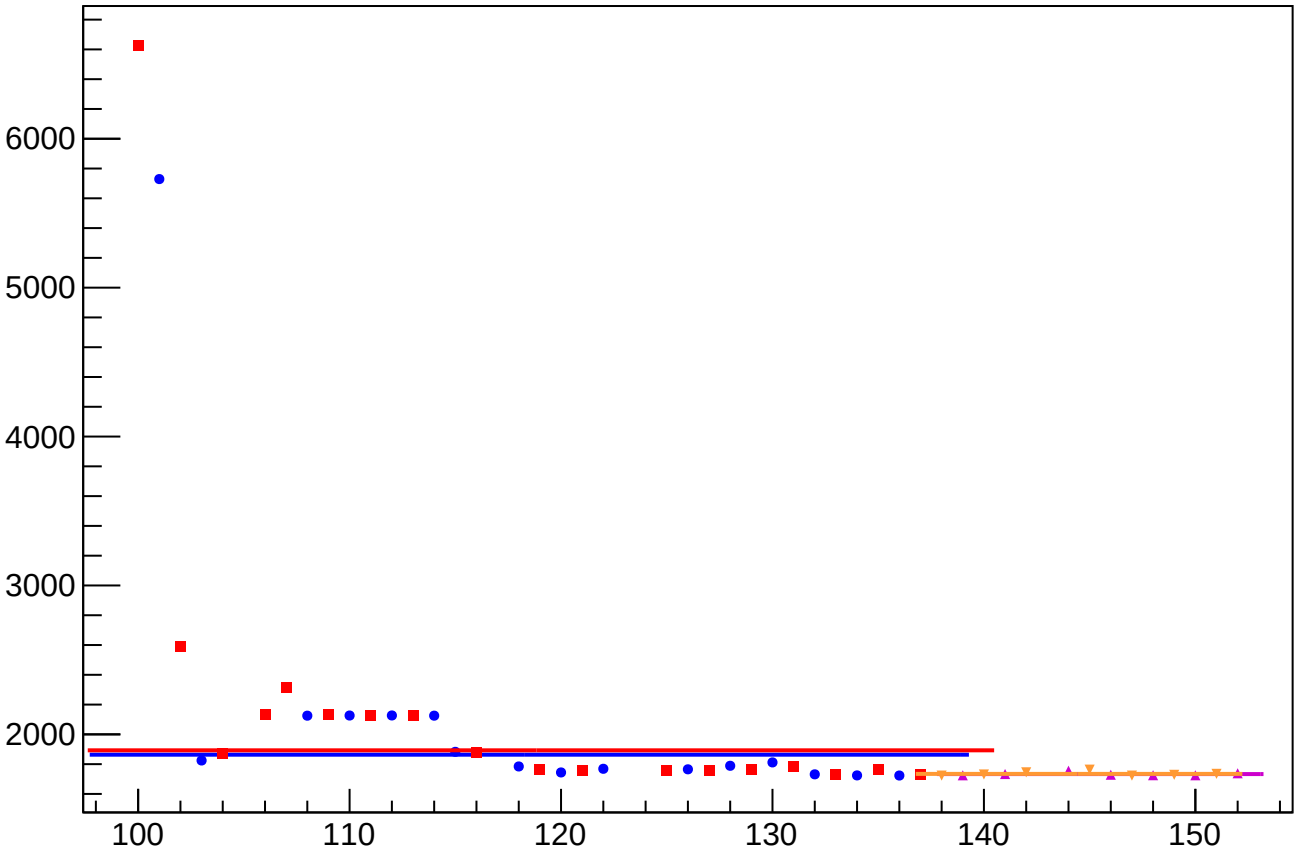
Left: 104.867+/-510.741 χ^2/NDF: 15.7/13

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 42.308+/-498.016 χ^2/NDF:25.1/22

Out: 191.547+/-515.327 χ^2/NDF:22.7/24

All: 114.379+/-358.114 χ^2/NDF: 47.9/47



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: 1733.342+/-0.495 χ^2/NDF:435.3/6

Left: 1733.903+/-0.361 χ^2/NDF: 1065.3/13

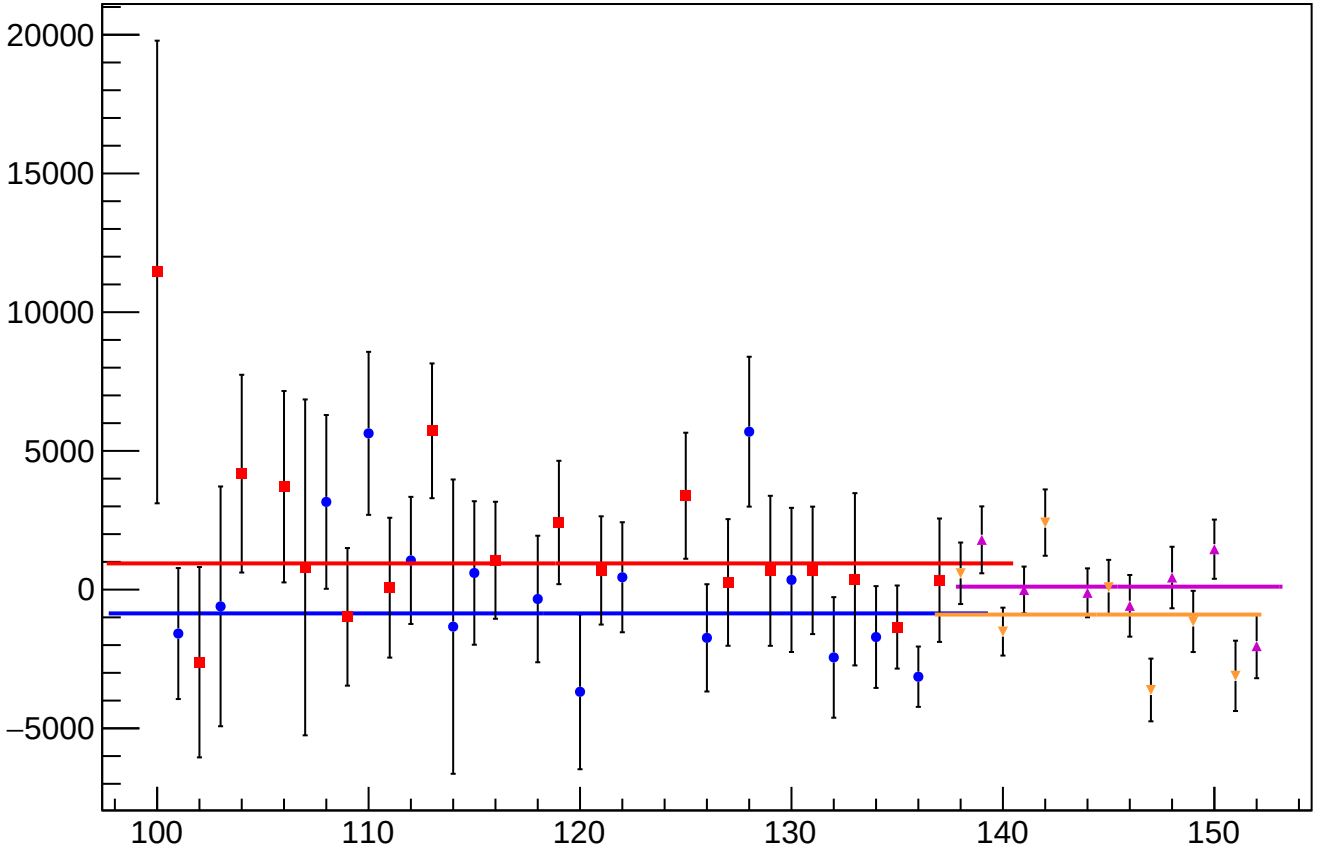
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1797.574+/-0.352 χ^2/NDF:709289.7/22

Out: 1817.603+/-0.364 χ^2/NDF:299219.9/24

All: 1807.246+/-0.253 χ^2/NDF: 1010071.8/47

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: 106.542+/-388.459 χ^2/NDF:7.6/6

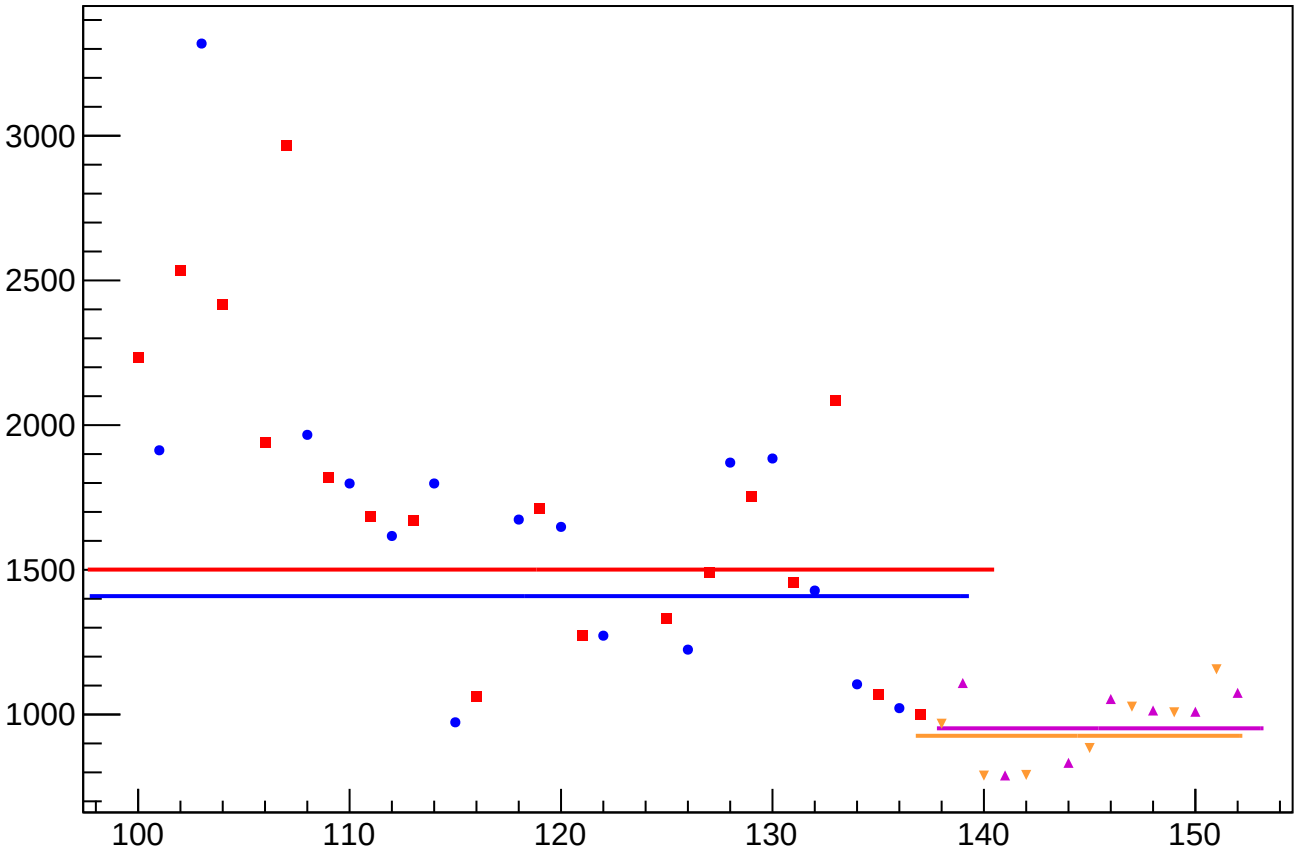
Left: -375.747+/-280.299 χ^2/NDF: 30.6/13

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -214.403+/-317.257 χ^2/NDF:30.2/22

Out: -300.910+/-332.716 χ^2/NDF:39.5/24

All: -255.600+/-229.605 χ^2/NDF: 69.7/47



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: 952.272+/-0.275 χ^2/NDF:195769.9/6

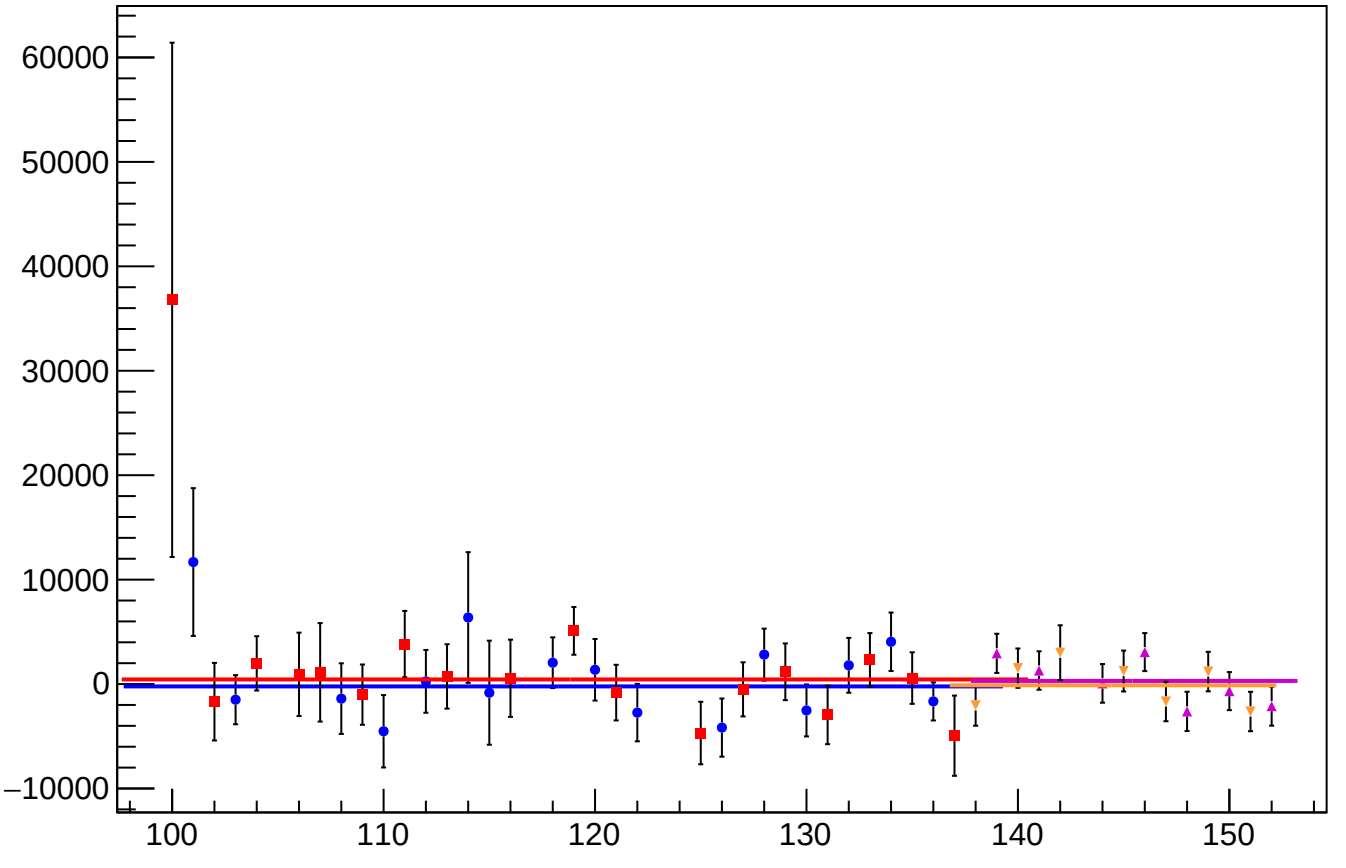
Left: 939.883+/-0.198 χ^2/NDF: 375320.7/13

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1104.389+/-0.224 χ^2/NDF:2284489.8/22

Out: 1112.878+/-0.235 χ^2/NDF:2512828.2/24

All: 1108.431+/-0.162 χ^2/NDF: 4797999.9/47



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: 300.465+/-699.550 χ^2/NDF:9.0/6

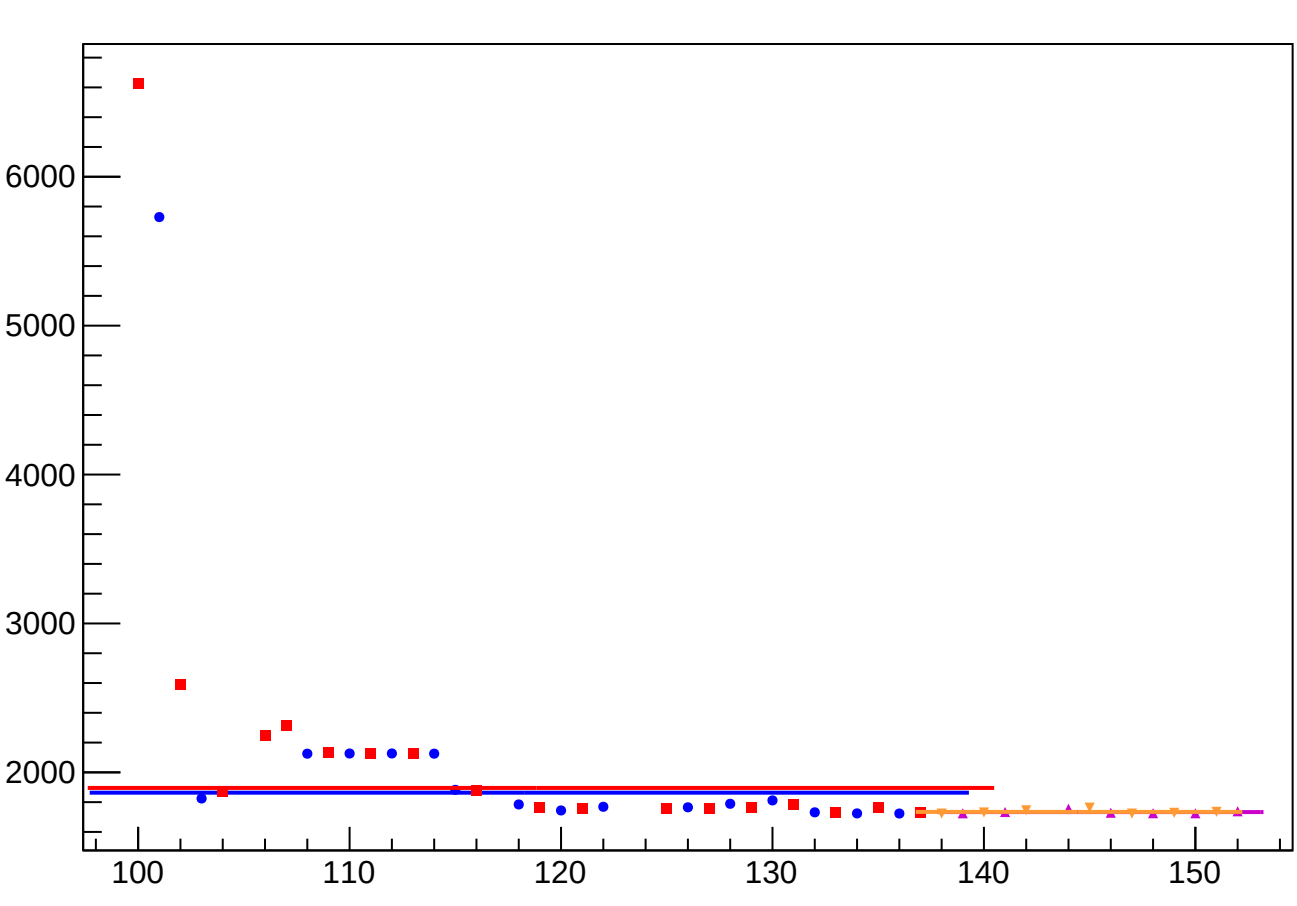
Left: 104.942+/-510.741 χ^2/NDF: 15.7/13

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 41.928+/-498.016 χ^2/NDF:25.1/22

Out: 175.565+/-515.942 χ^2/NDF:22.6/24

All: 106.385+/-358.321 χ^2/NDF: 47.7/47



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: 1733.342+/-0.495 χ^2/NDF:435.3/6

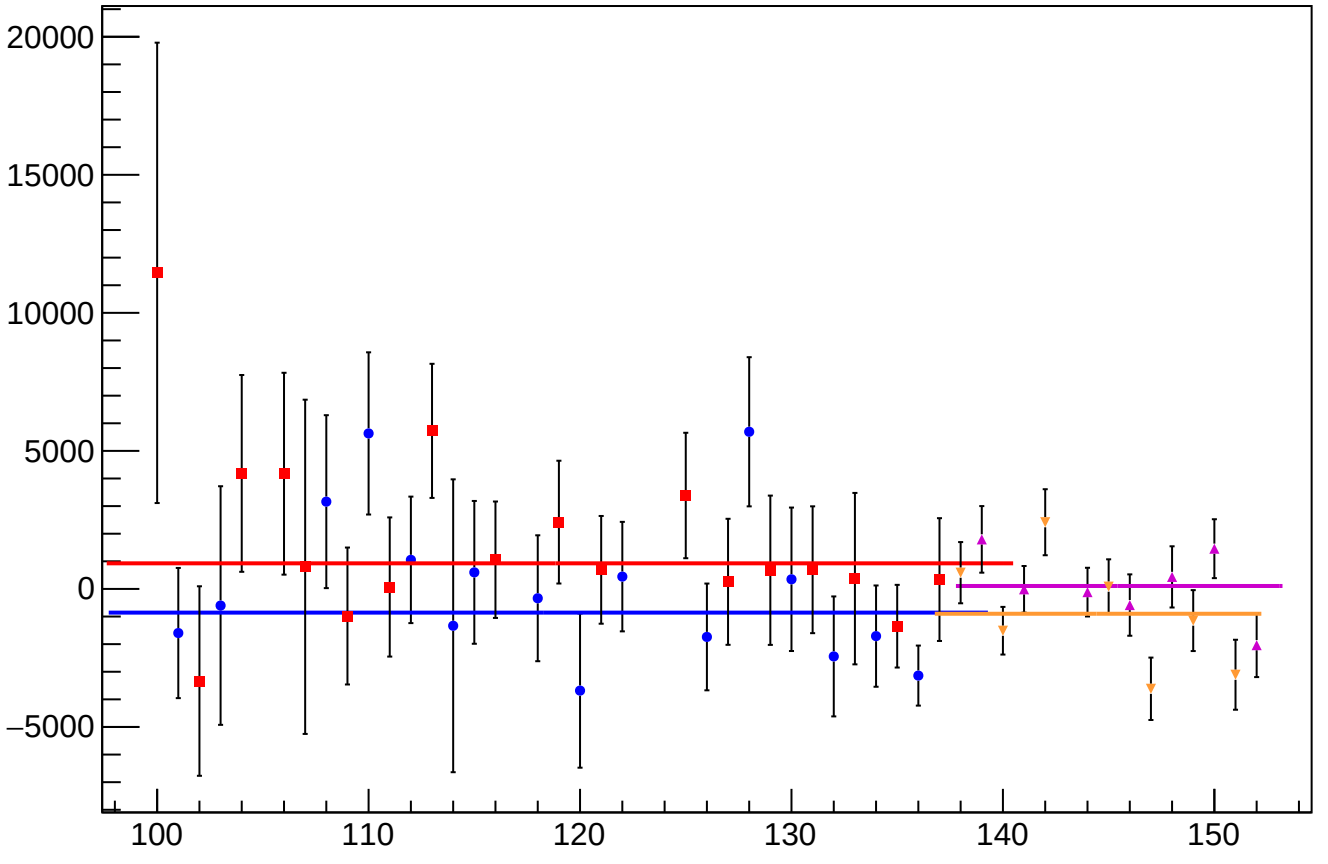
Left: 1733.903+/-0.361 χ^2/NDF: 1065.3/13

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1797.574+/-0.352 χ^2/NDF:709289.6/22

Out: 1818.797+/-0.365 χ^2/NDF:308347.8/24

All: 1807.810+/-0.253 χ^2/NDF: 1019389.3/47



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: 106.648+/-388.456 χ^2/NDF:7.6/6

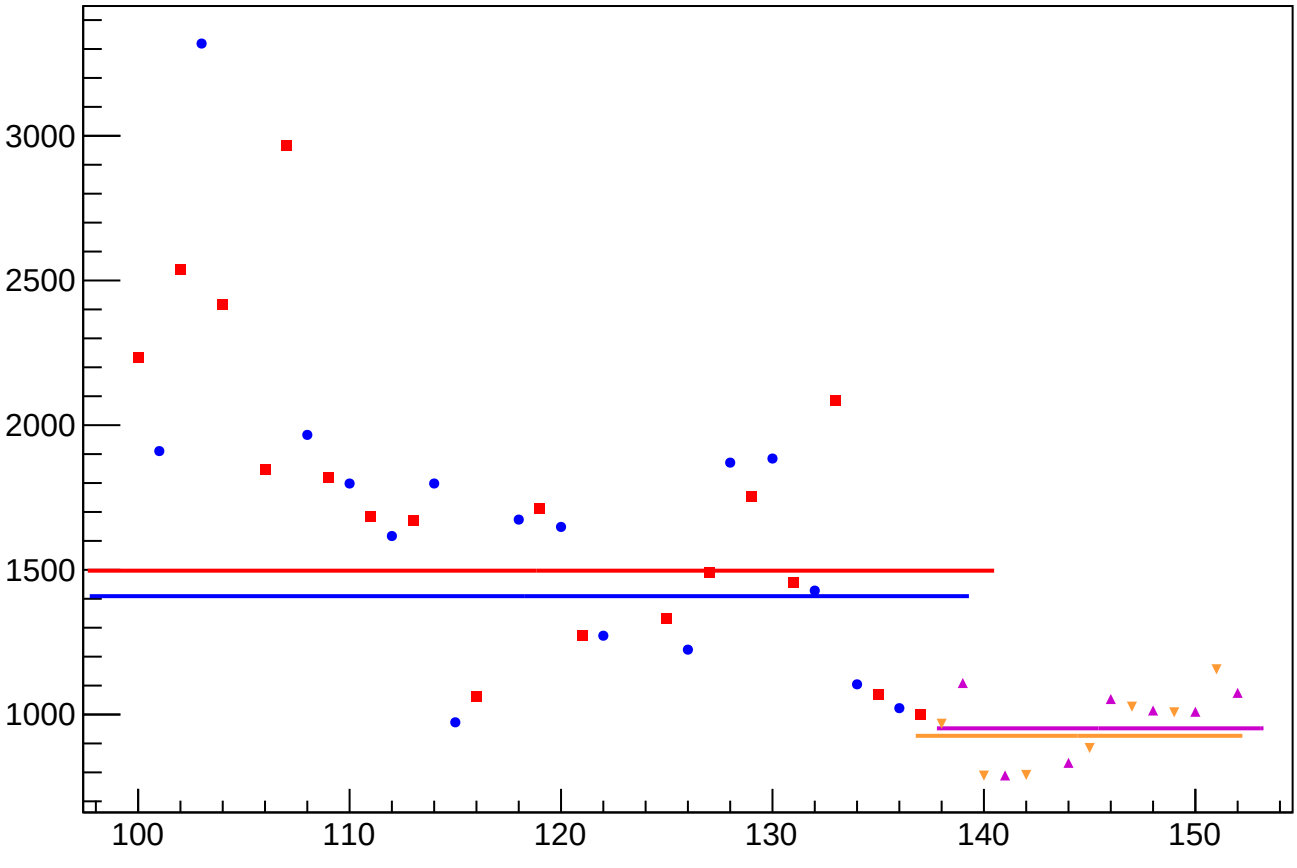
Left: -375.692+/-280.298 χ^2/NDF: 30.6/13

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -214.636+/-317.248 χ^2/NDF:30.2/22

Out: -307.863+/-332.886 χ^2/NDF:40.0/24

All: -259.008+/-229.658 χ^2/NDF: 70.2/47



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: 952.264+/-0.275 χ^2/NDF:195778.7/6

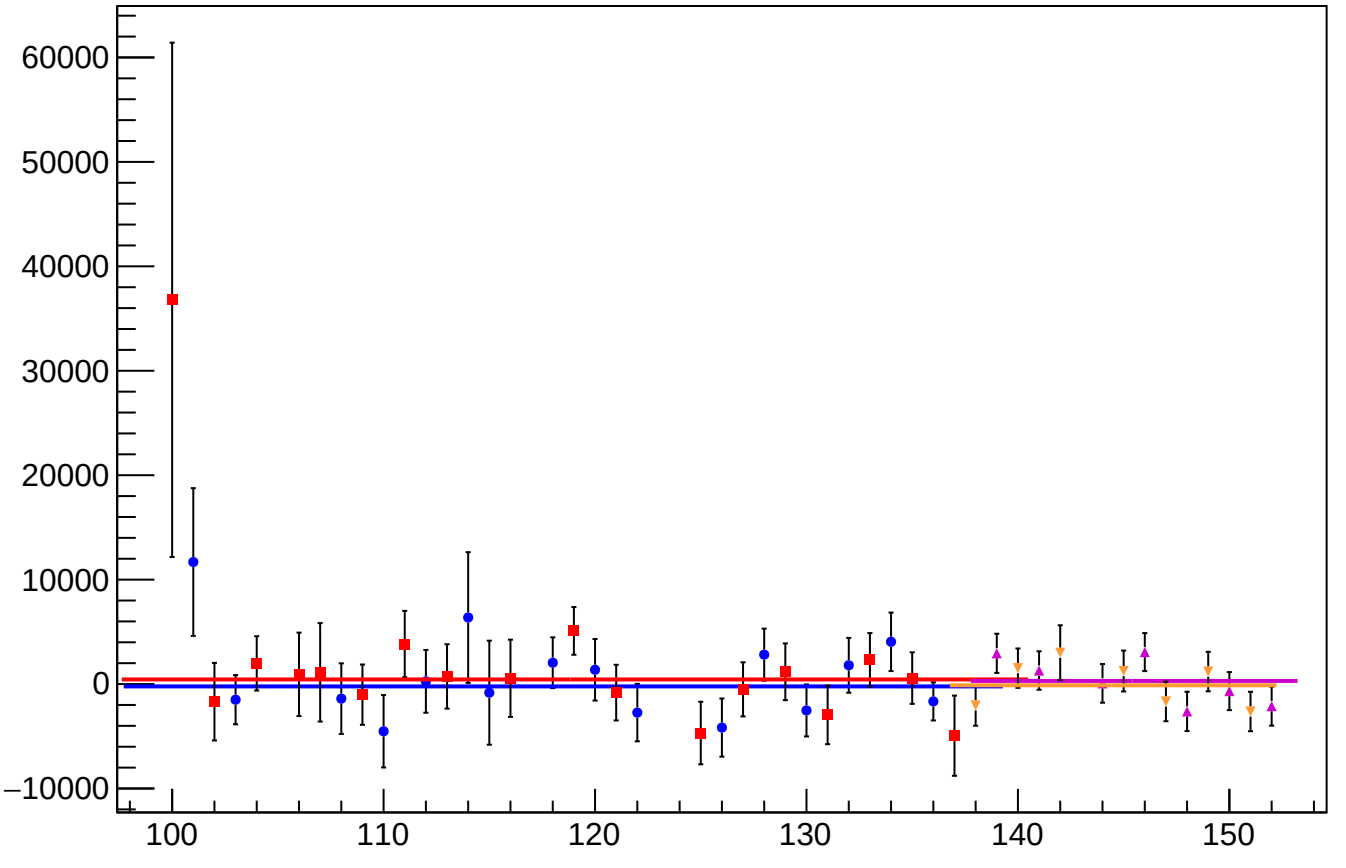
Left: 939.881+/-0.198 χ^2/NDF: 375297.2/13

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1104.372+/-0.224 χ^2/NDF:2283676.4/22

Out: 1111.302+/-0.235 χ^2/NDF:2480830.7/24

All: 1107.670+/-0.162 χ^2/NDF: 4764961.4/47



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: 300.465+/-699.550 χ^2/NDF:9.0/6

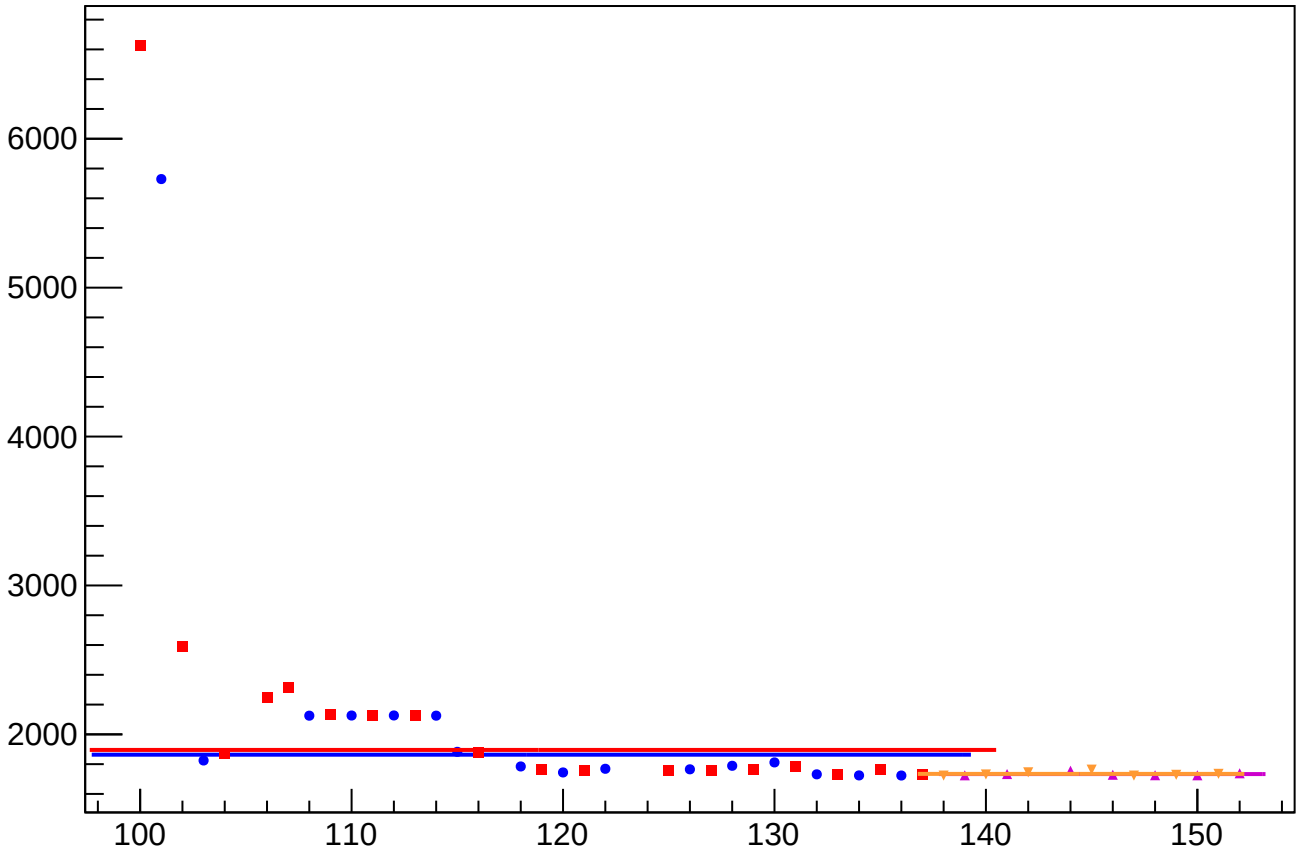
Left: 104.942+/-510.741 χ^2/NDF: 15.7/13

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 41.928+/-498.016 χ^2/NDF:25.1/22

Out: 175.565+/-515.942 χ^2/NDF:22.6/24

All: 106.385+/-358.321 χ^2/NDF: 47.7/47



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: 1733.342+/-0.495 χ^2/NDF:435.3/6

Left: 1733.903+/-0.361 χ^2/NDF: 1065.3/13

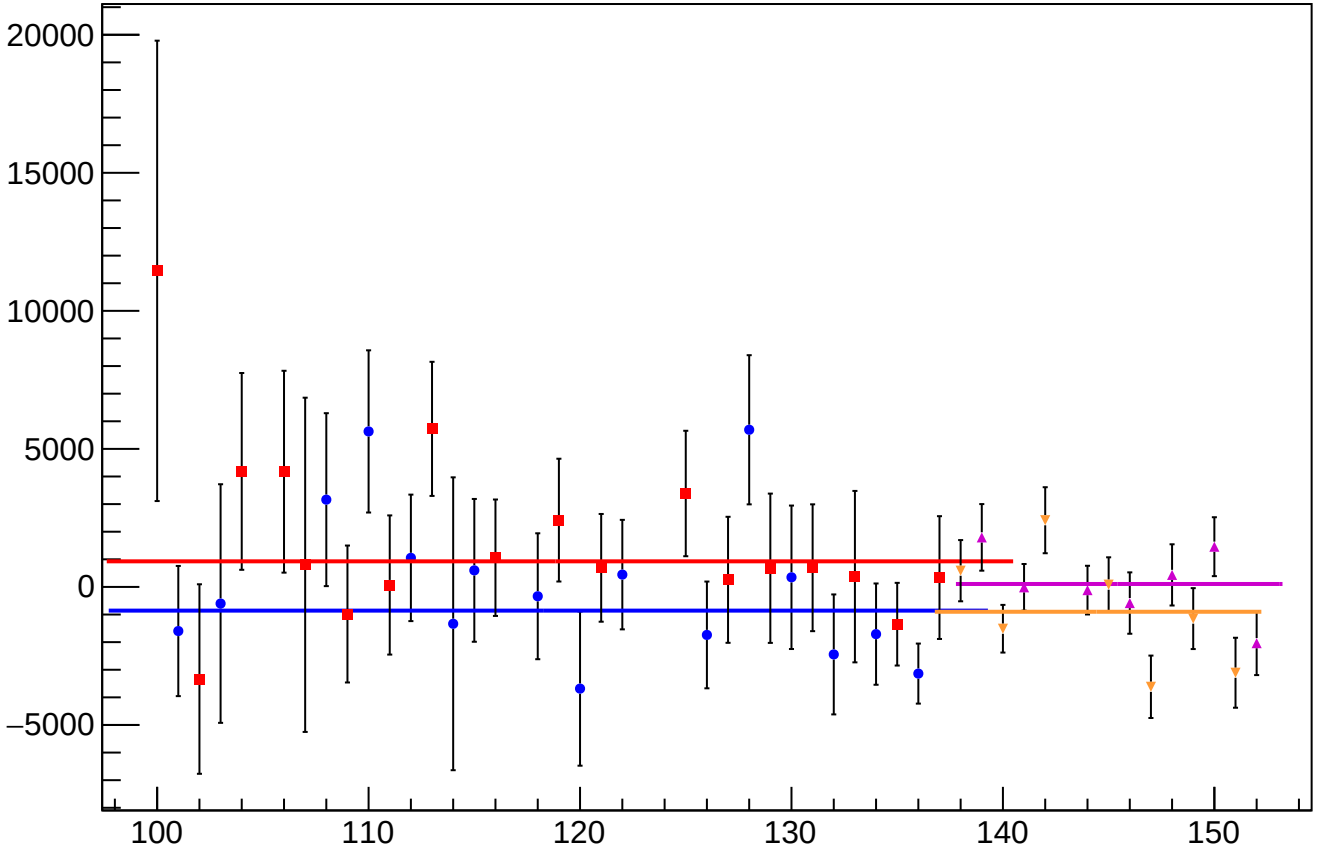
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1797.574+/-0.352 χ^2/NDF:709289.6/22

Out: 1818.797+/-0.365 χ^2/NDF:308347.8/24

All: 1807.810+/-0.253 χ^2/NDF: 1019389.3/47

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: 106.648+/-388.456 χ^2/NDF:7.6/6

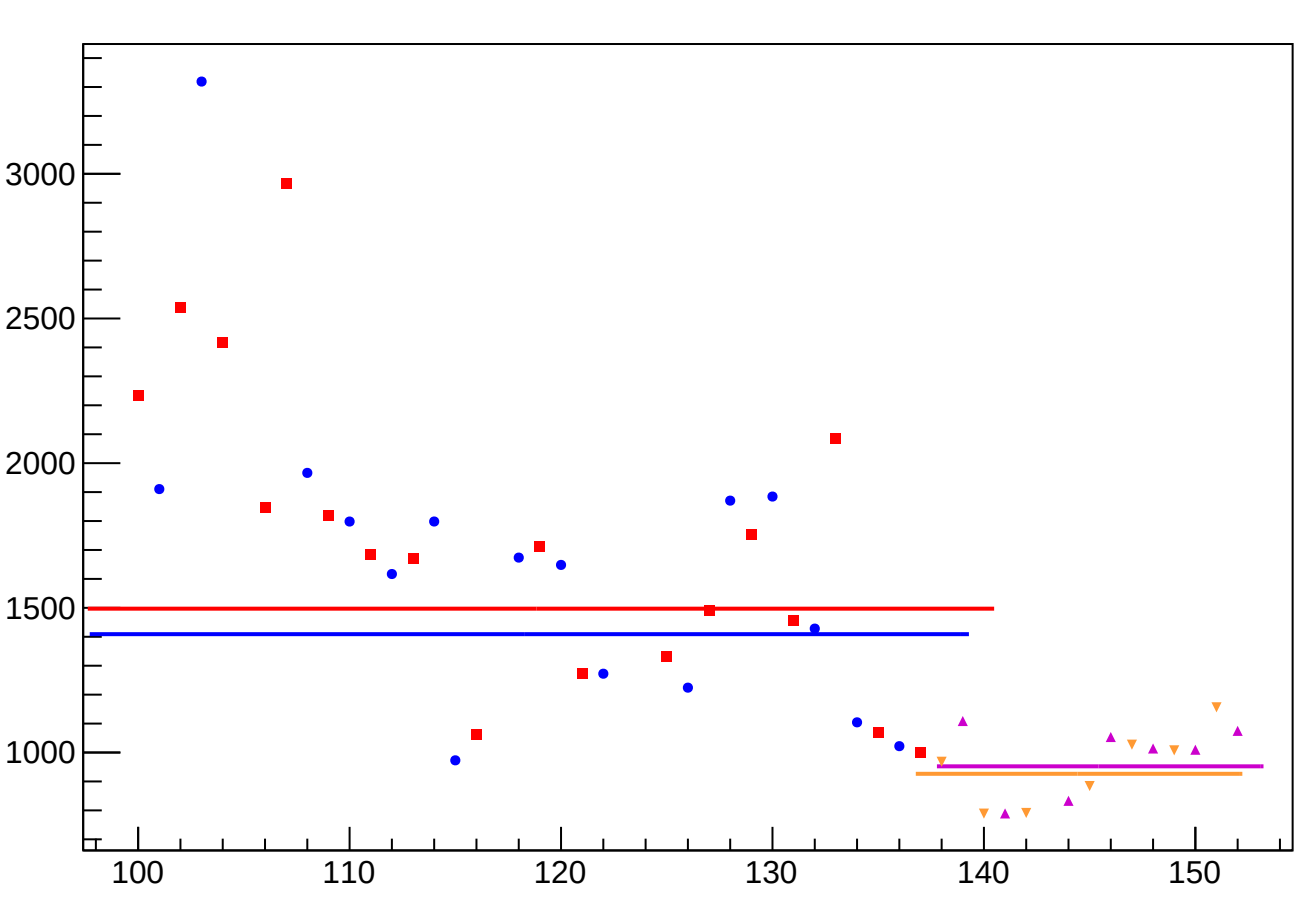
Left: -375.692+/-280.298 χ^2/NDF: 30.6/13

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -214.636+/-317.248 χ^2/NDF:30.2/22

Out: -307.863+/-332.886 χ^2/NDF:40.0/24

All: -259.008+/-229.658 χ^2/NDF: 70.2/47



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: 952.264+/-0.275 χ^2/NDF:195778.7/6

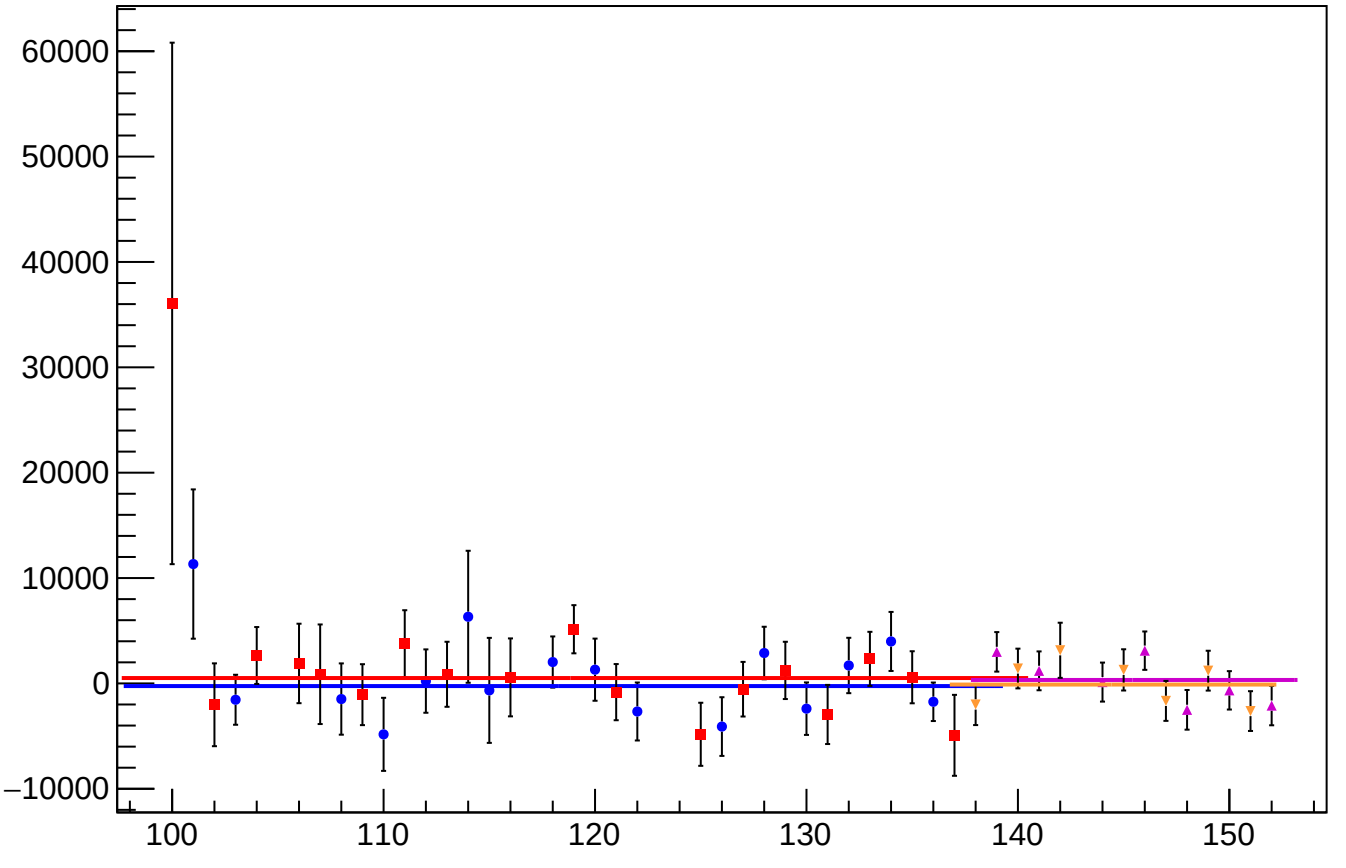
Left: 939.881+/-0.198 χ^2/NDF: 375297.2/13

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1104.372+/-0.224 χ^2/NDF:2283676.4/22

Out: 1111.302+/-0.235 χ^2/NDF:2480830.7/24

All: 1107.670+/-0.162 χ^2/NDF: 4764961.4/47



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: 327.325+/-699.886 χ^2/NDF:8.8/6

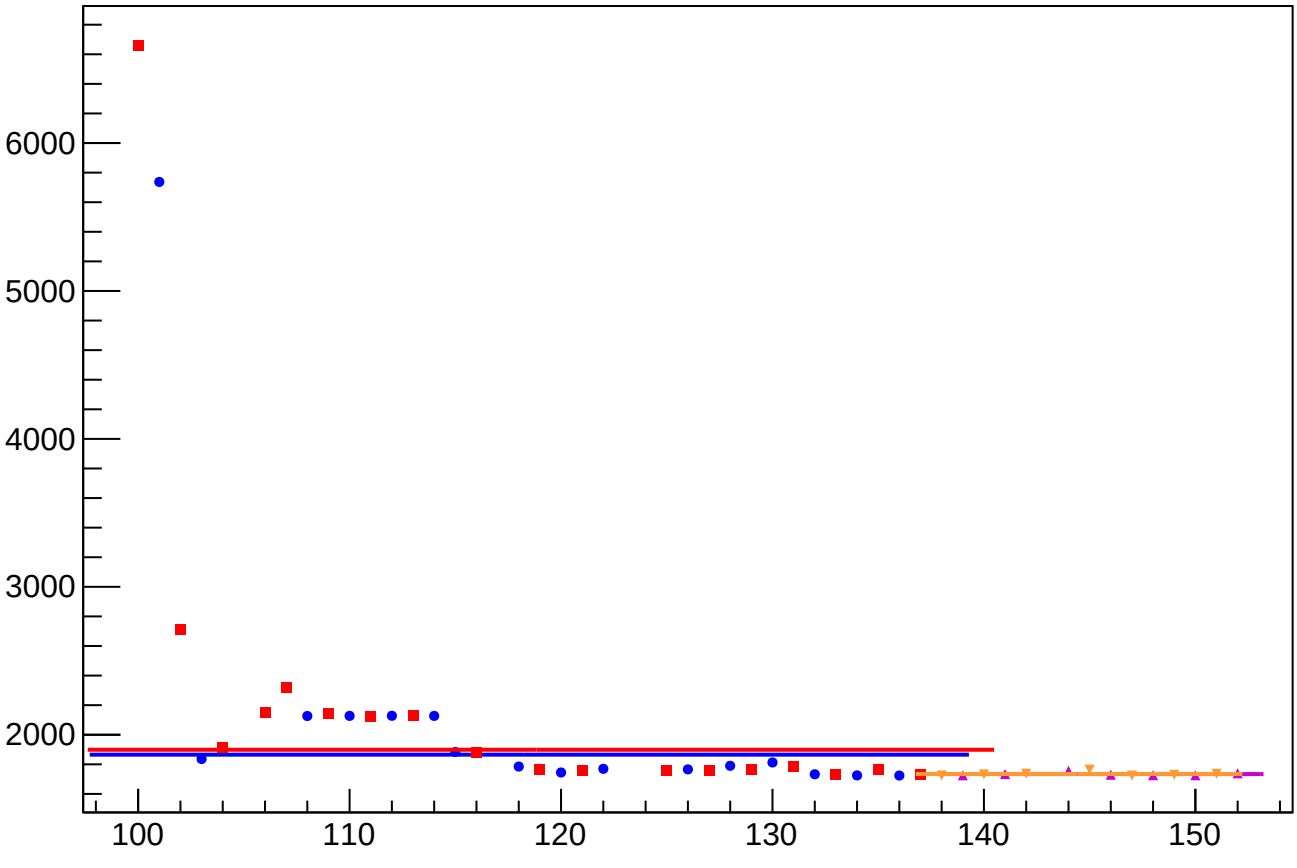
Left: 123.991+/-510.918 χ^2/NDF: 15.6/13

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 41.795+/-498.422 χ^2/NDF:24.8/22

Out: 214.628+/-516.877 χ^2/NDF:23.3/24

All: 125.071+/-358.784 χ^2/NDF: 48.2/47



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: 1734.174+/-0.495 χ^2/NDF:434.9/6

Left: 1734.465+/-0.361 χ^2/NDF: 1017.4/13

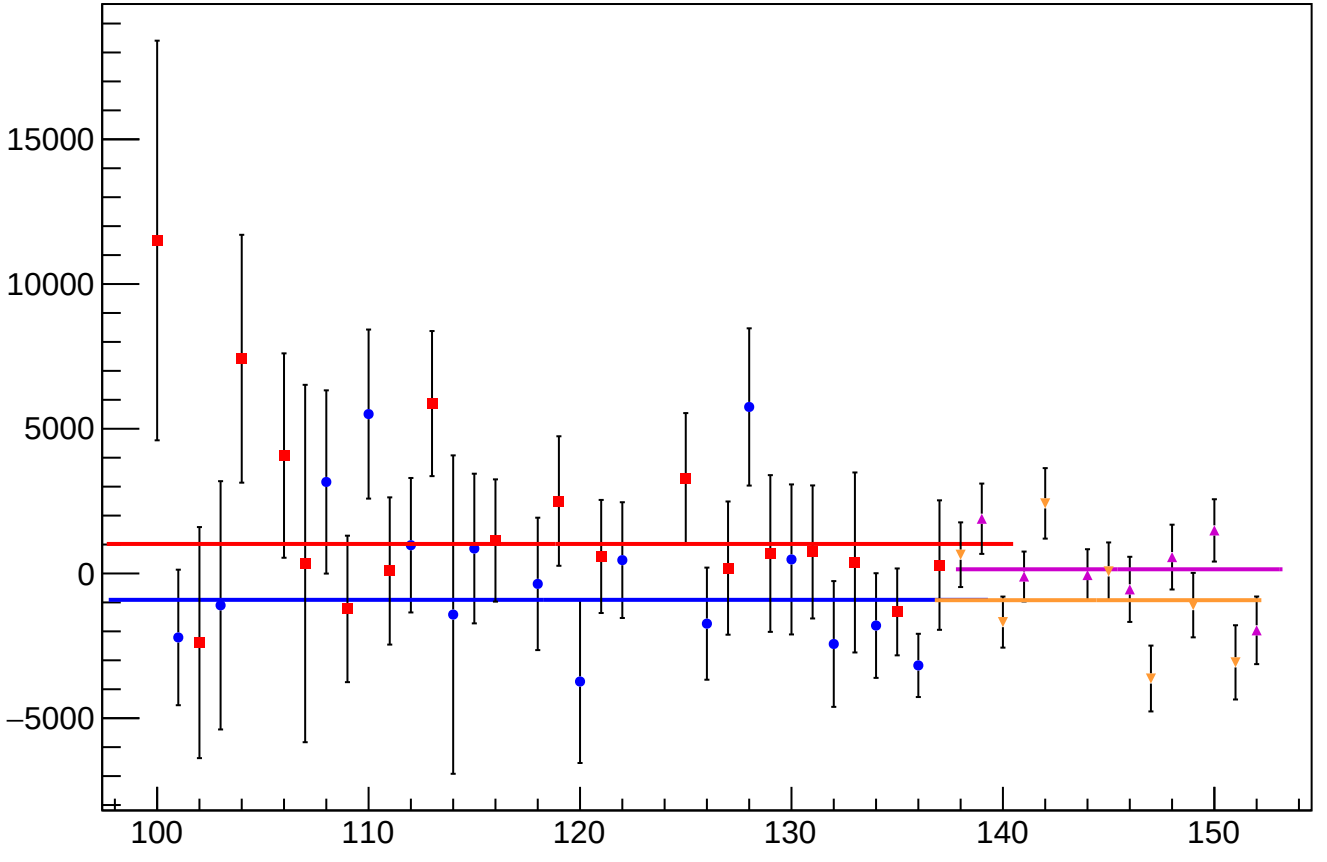
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1798.868+/-0.352 χ^2/NDF:710097.3/22

Out: 1820.294+/-0.365 χ^2/NDF:319813.2/24

All: 1809.192+/-0.254 χ^2/NDF: 1031691.5/47

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: 144.644+/-393.312 χ^2/NDF:7.5/6

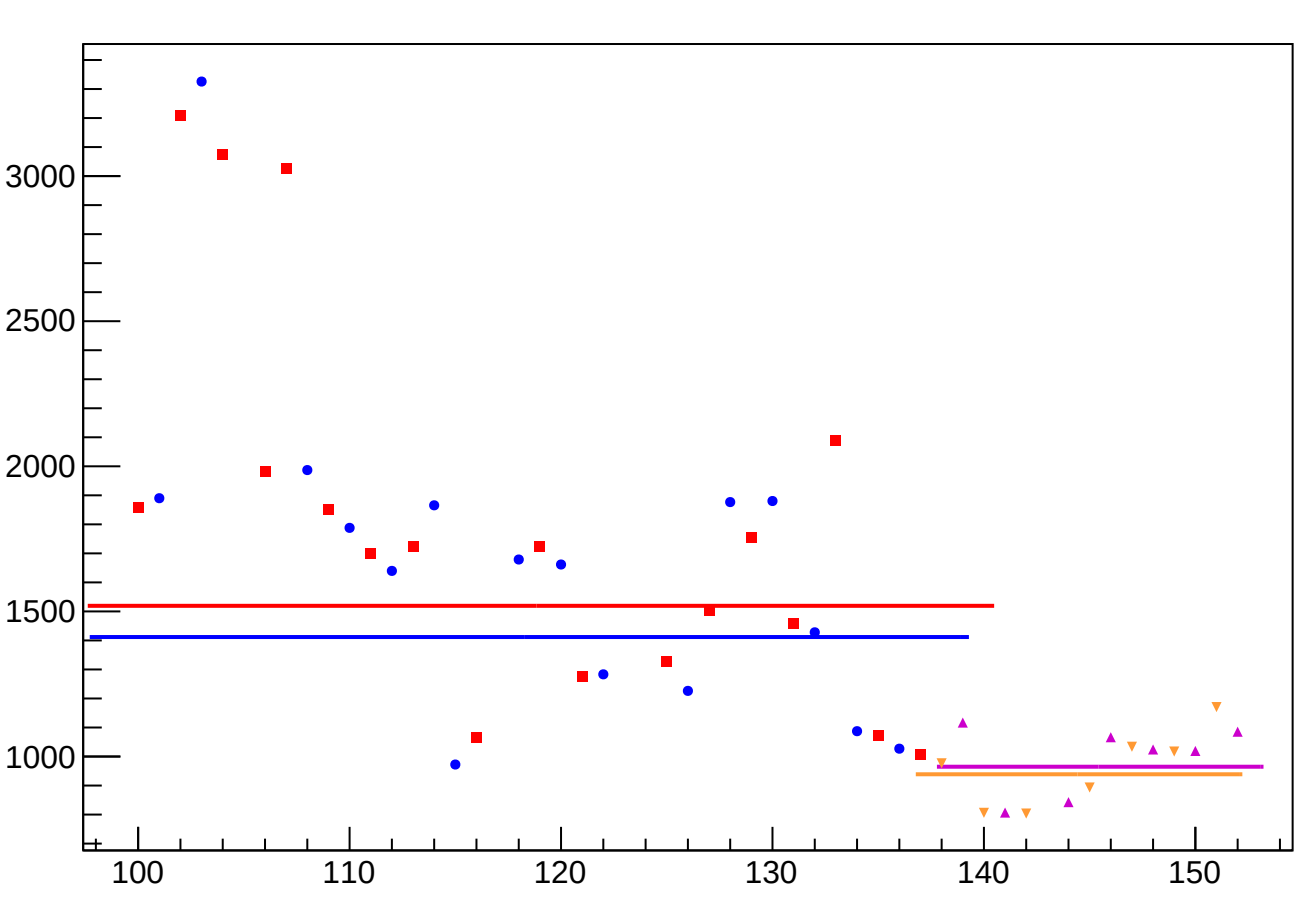
Left: -366.945+/-283.839 χ^2/NDF: 30.8/13

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -211.806+/-320.090 χ^2/NDF:31.0/22

Out: -292.438+/-336.999 χ^2/NDF:42.0/24

All: -250.048+/-232.086 χ^2/NDF: 72.9/47



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: 964.883+/-0.278 χ^2/NDF:184392.6/6

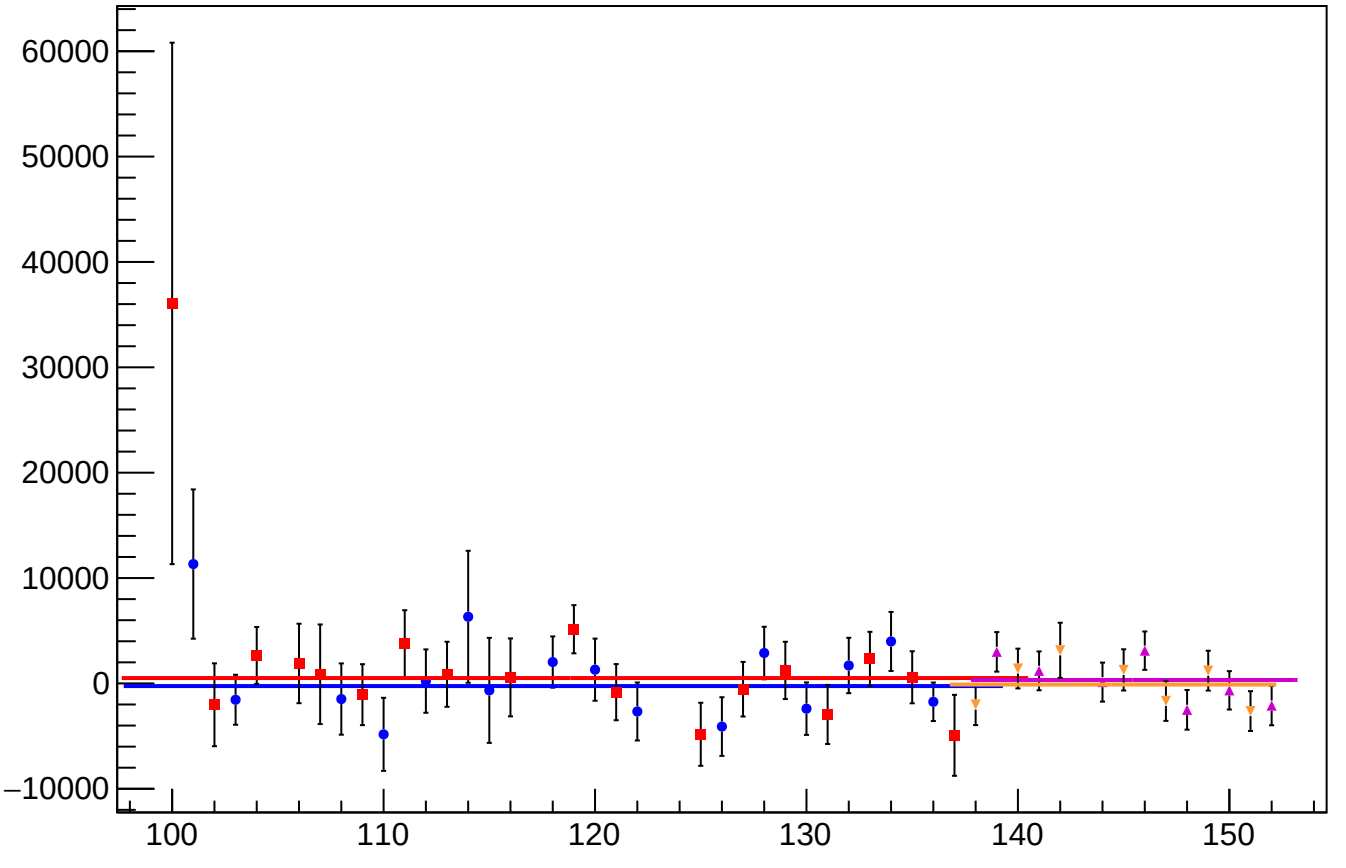
Left: 952.406+/-0.201 χ^2/NDF: 354065.9/13

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1115.779+/-0.226 χ^2/NDF:2233920.6/22

Out: 1127.200+/-0.238 χ^2/NDF:2826230.3/24

All: 1121.195+/-0.164 χ^2/NDF: 5061358.5/47



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: 327.326+/-699.886 χ^2/NDF:8.8/6

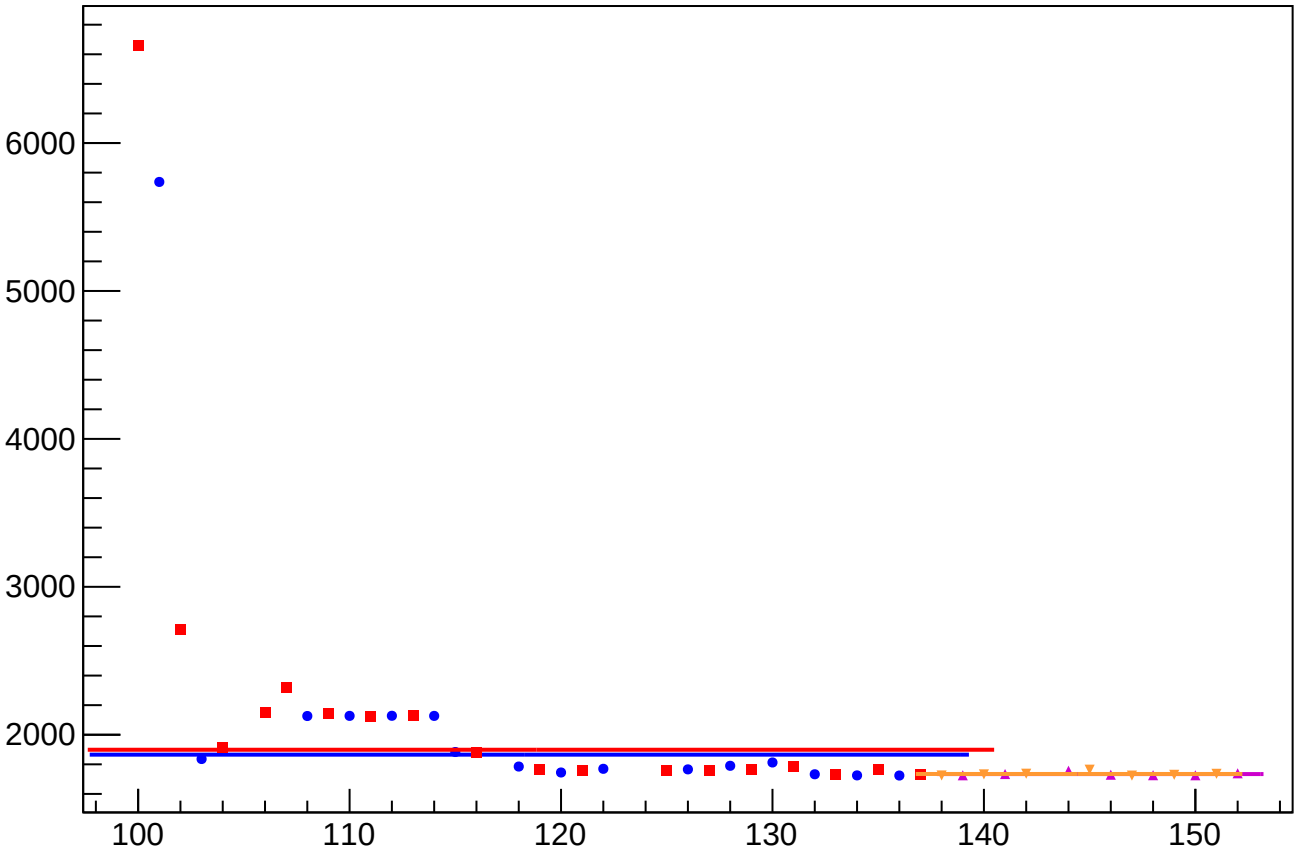
Left: 123.991+/-510.918 χ^2/NDF: 15.6/13

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

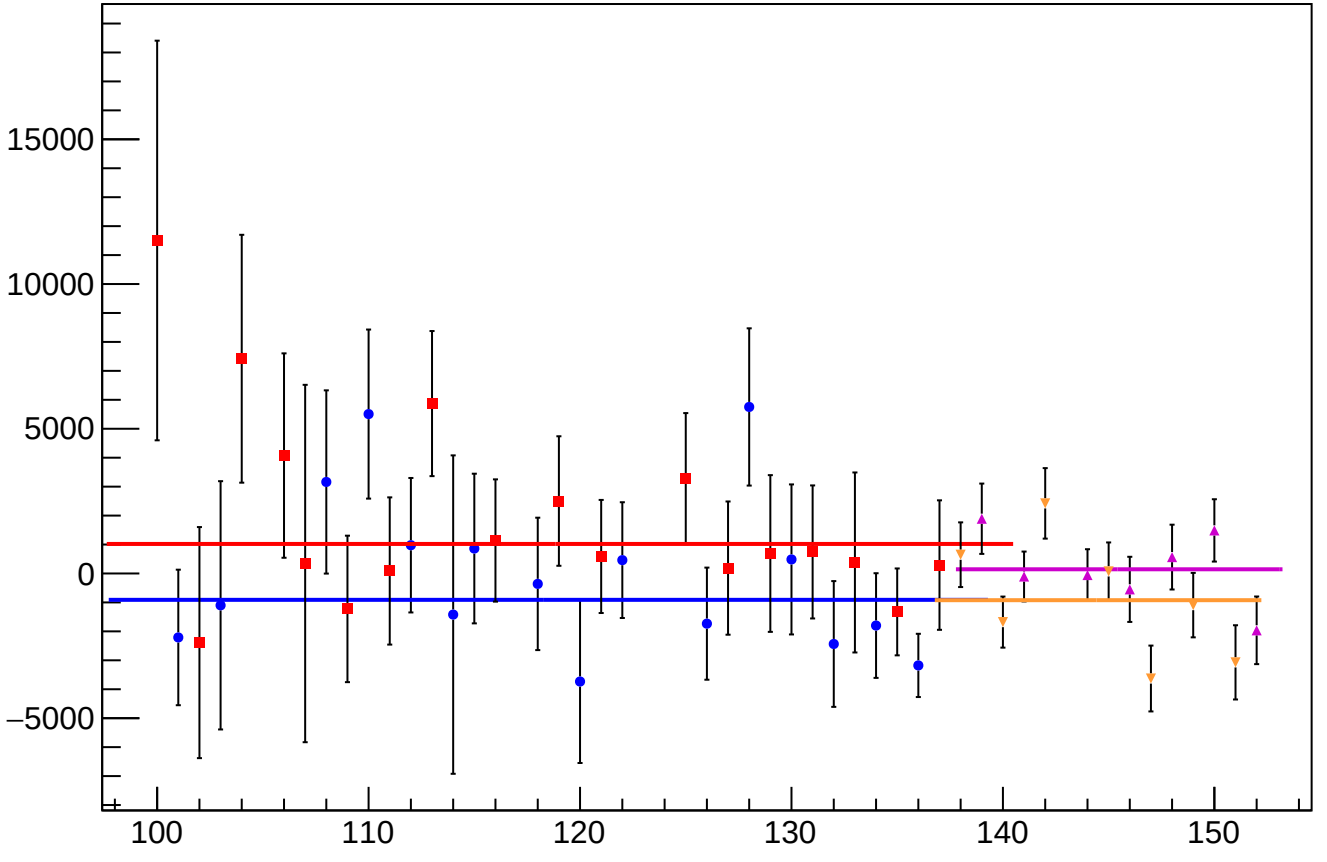
In: 41.796+/-498.422 χ^2/NDF:24.8/22

Out: 214.627+/-516.877 χ^2/NDF:23.3/24

All: 125.071+/-358.784 χ^2/NDF: 48.2/47


eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 1865.440+/-0.502 χ²/NDF: 674989.6/15
Left Out: 1734.796+/-0.529 χ²/NDF:581.8/6
Right Out: 1898.603+/-0.506 χ²/NDF: 269109.9/17
Left In: 1734.174+/-0.495 χ²/NDF:434.9/6
Left: 1734.465+/-0.361 χ²/NDF: 1017.4/13
Right: 1881.894+/-0.356 χ²/NDF: 946264.6/33
In: 1798.868+/-0.352 χ²/NDF:710097.3/22
Out: 1820.294+/-0.365 χ²/NDF:319813.0/24
All: 1809.192+/-0.254 χ²/NDF: 1031691.2/47

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: 144.643+/-393.312 χ^2/NDF:7.5/6

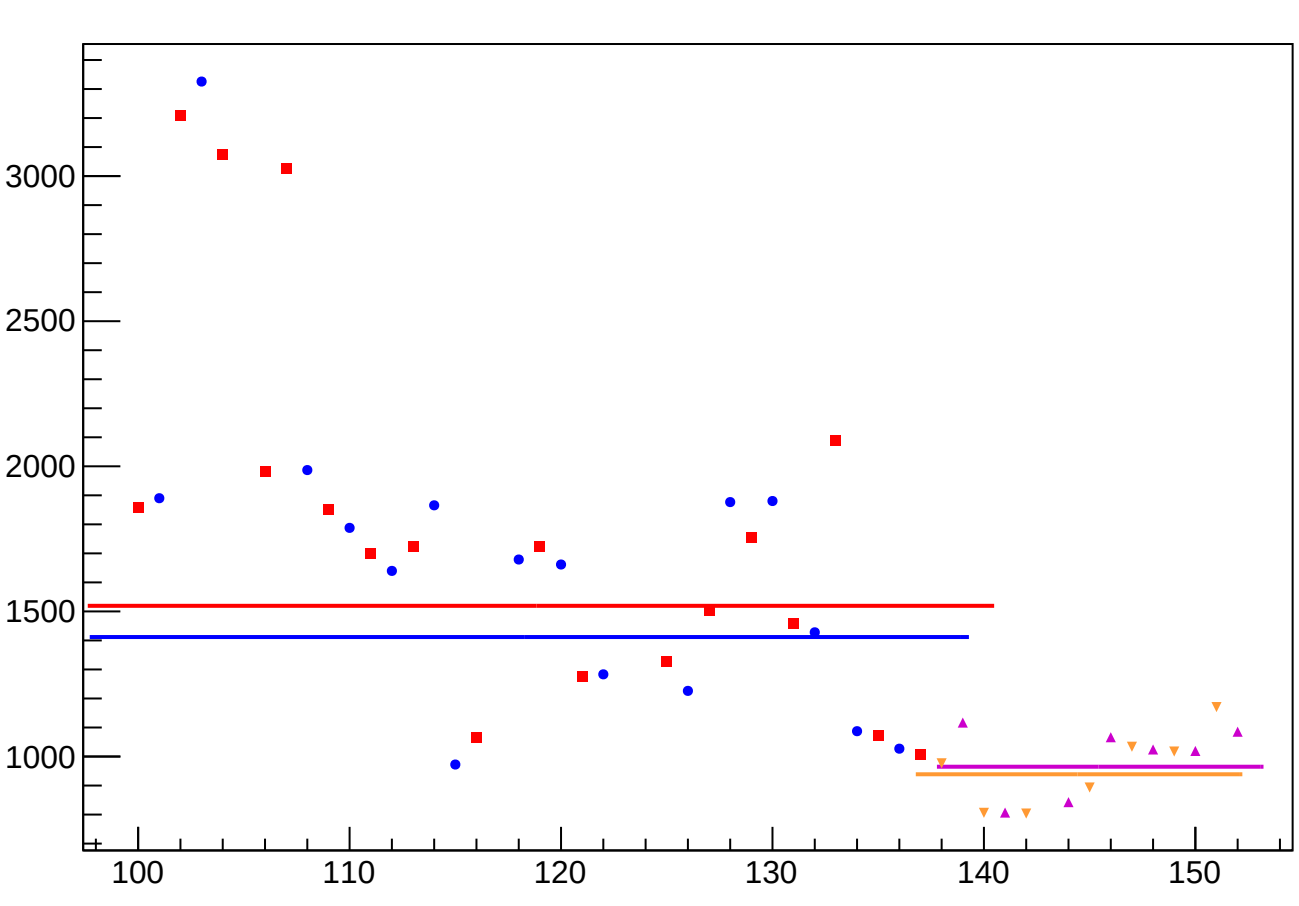
Left: -366.947+/-283.839 χ^2/NDF: 30.8/13

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -211.806+/-320.090 χ^2/NDF:31.0/22

Out: -292.438+/-336.999 χ^2/NDF:42.0/24

All: -250.049+/-232.085 χ^2/NDF: 72.9/47



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: 964.883+/-0.278 χ^2/NDF:184397.9/6

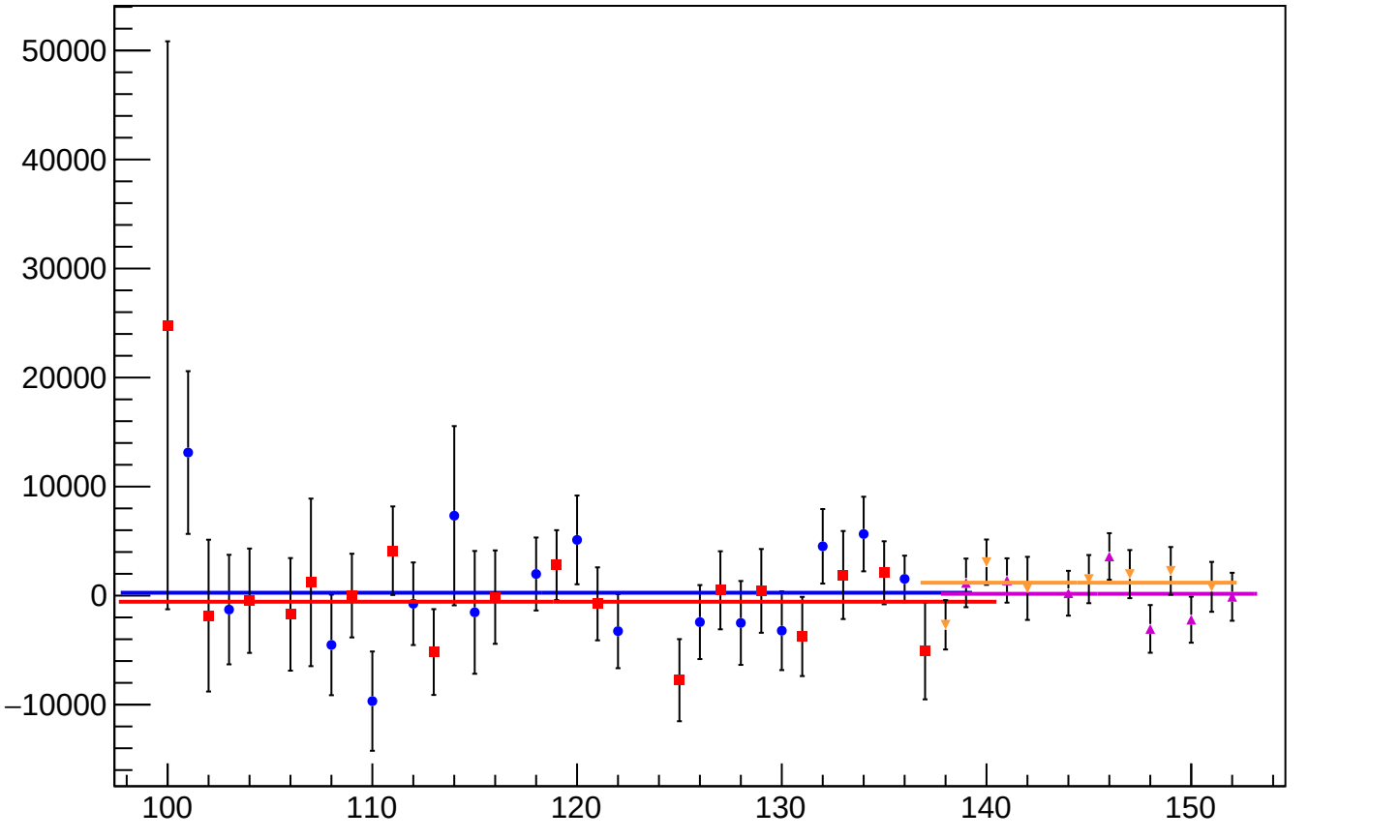
Left: 952.406+/-0.201 χ^2/NDF: 354076.5/13

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1115.778+/-0.226 χ^2/NDF:2233917.7/22

Out: 1127.198+/-0.238 χ^2/NDF:2826237.2/24

All: 1121.194+/-0.164 χ^2/NDF: 5061362.4/47



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: 166.837+/-806.340 χ^2/NDF:6.6/6

Left: 644.271+/-587.870 χ^2/NDF: 11.5/13

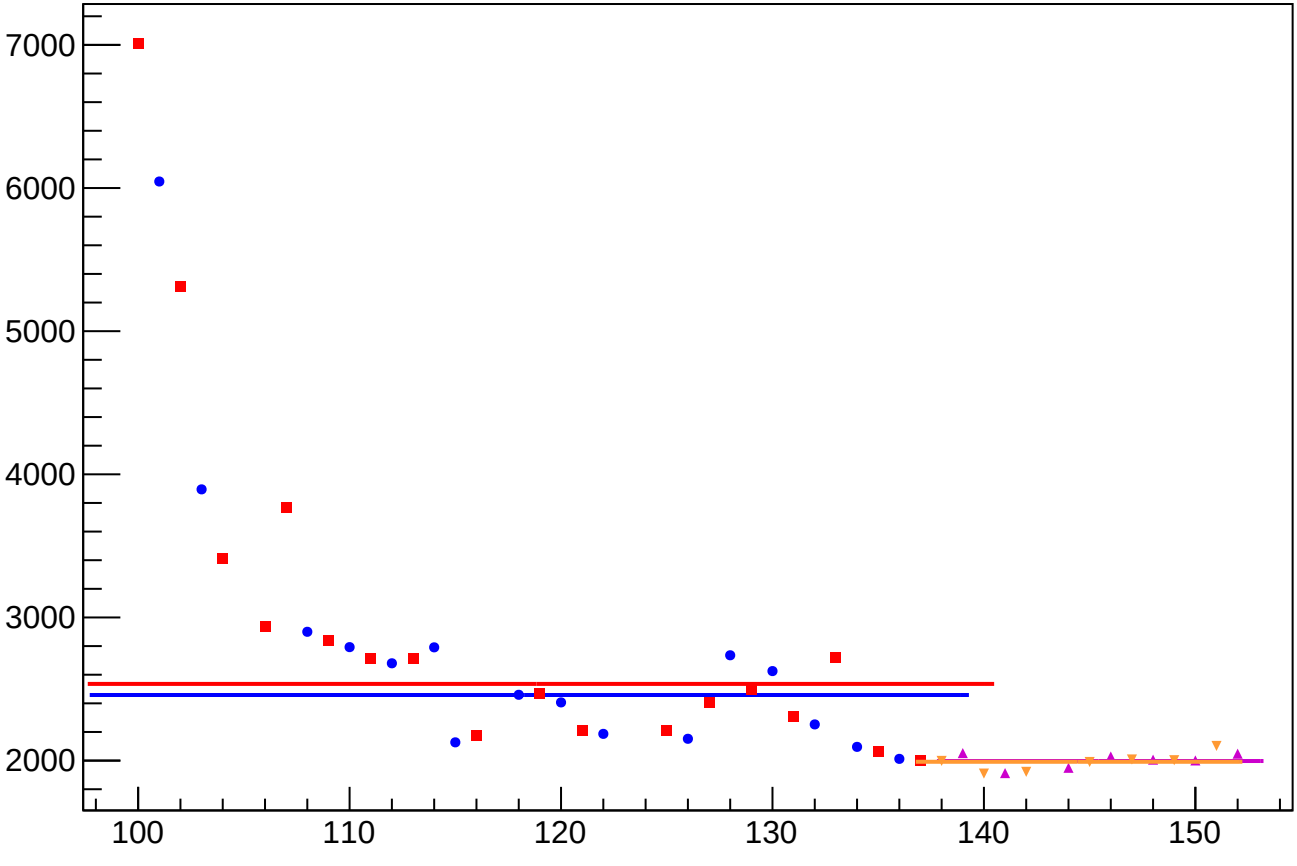
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 208.087+/-612.563 χ^2/NDF:25.6/22

Out: 411.948+/-640.971 χ^2/NDF:17.8/24

All: 305.400+/-442.850 χ^2/NDF: 43.4/47

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1991.839+/-0.607 χ^2/NDF:9174.5/6

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1997.122+/-0.570 χ^2/NDF:7299.7/6

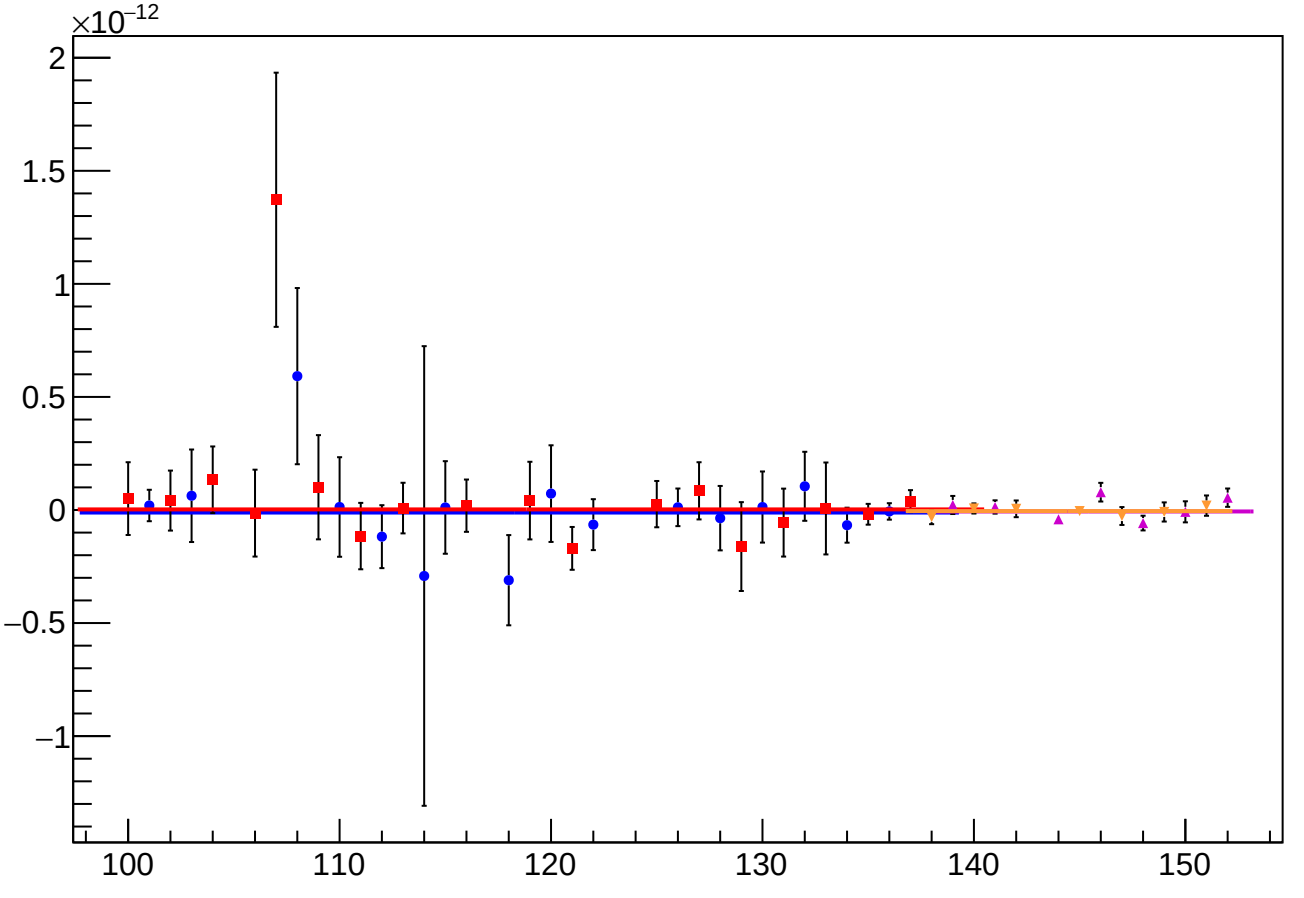
Left: 1994.647+/-0.416 χ^2/NDF: 16514.4/13

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2192.159+/-0.433 χ^2/NDF:1116888.5/22

Out: 2232.847+/-0.453 χ^2/NDF:1037926.4/24

All: 2211.581+/-0.313 χ^2/NDF: 2159027.0/47



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:12.7/6

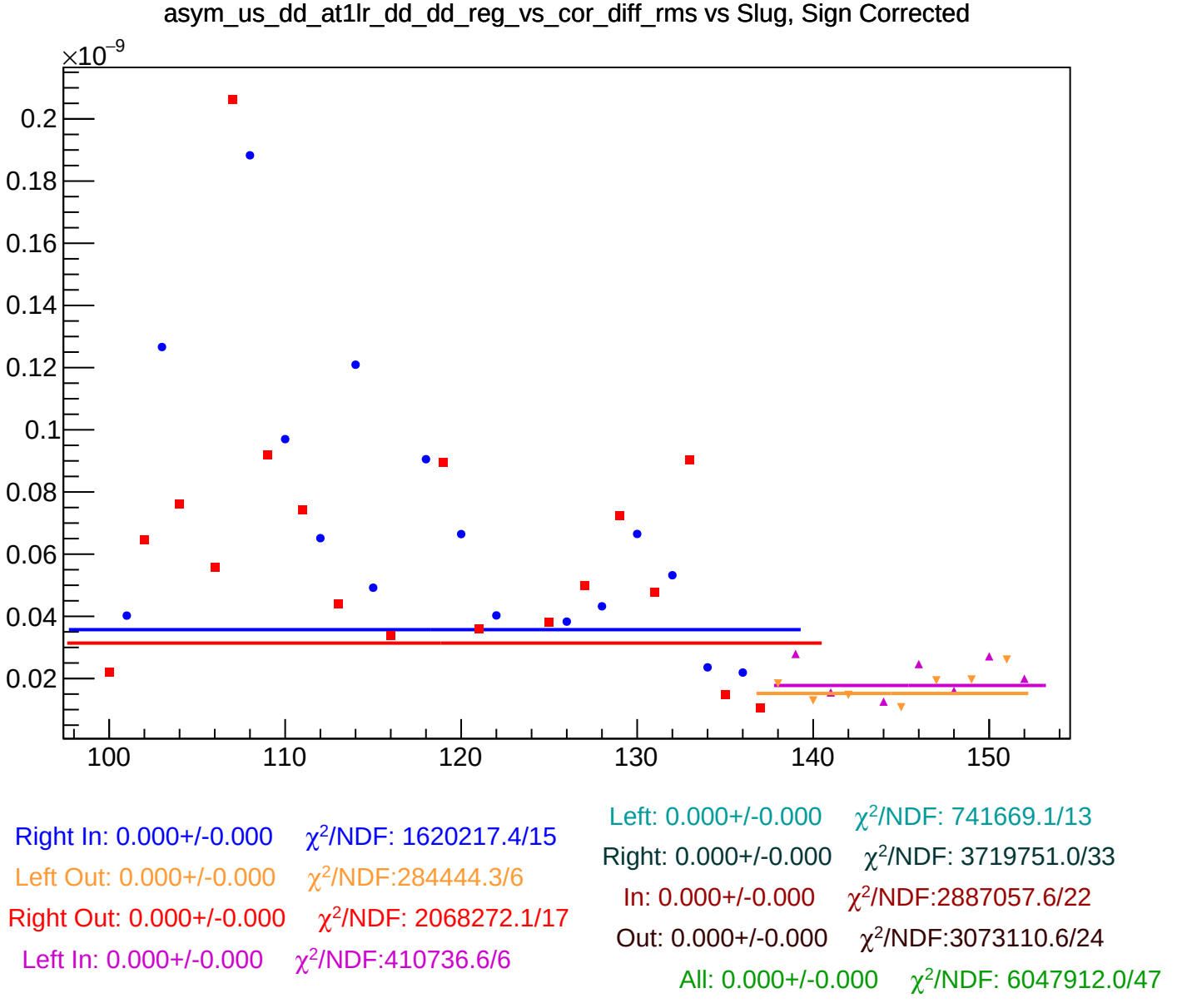
Left: -0.000+/-0.000 χ^2/NDF: 14.4/13

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

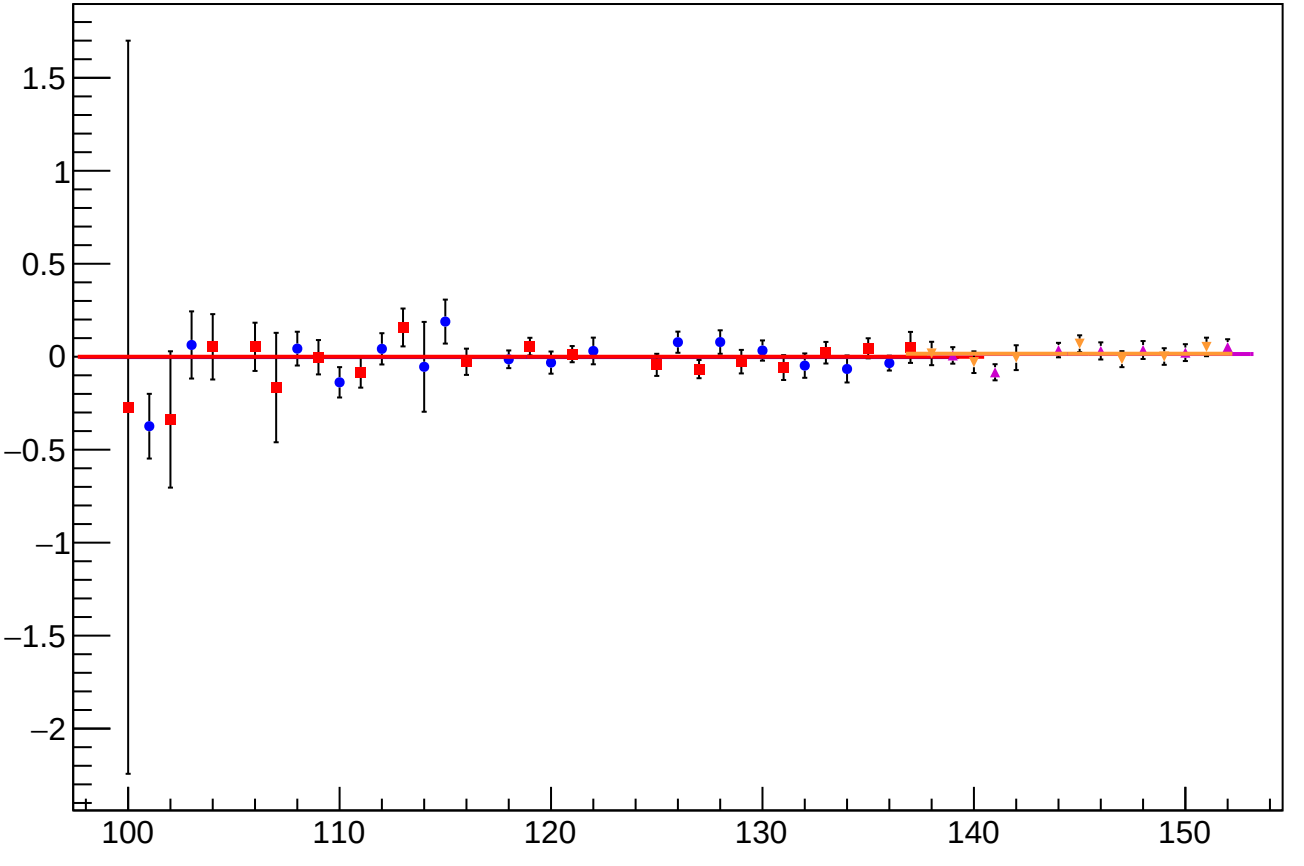
In: -0.000+/-0.000 χ^2/NDF:20.0/22

Out: -0.000+/-0.000 χ^2/NDF:15.0/24

All: -0.000+/-0.000 χ^2/NDF: 35.1/47


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:410736.6/6
Left: 0.000+/-0.000 χ²/NDF: 741669.1/13
Right: 0.000+/-0.000 χ²/NDF: 3719751.0/33
In: 0.000+/-0.000 χ²/NDF:2887057.6/22
Out: 0.000+/-0.000 χ²/NDF:3073110.6/24
All: 0.000+/-0.000 χ²/NDF: 6047912.0/47

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: 0.015+/-0.017 χ^2/NDF:6.6/6

Left: 0.015+/-0.013 χ^2/NDF: 9.8/13

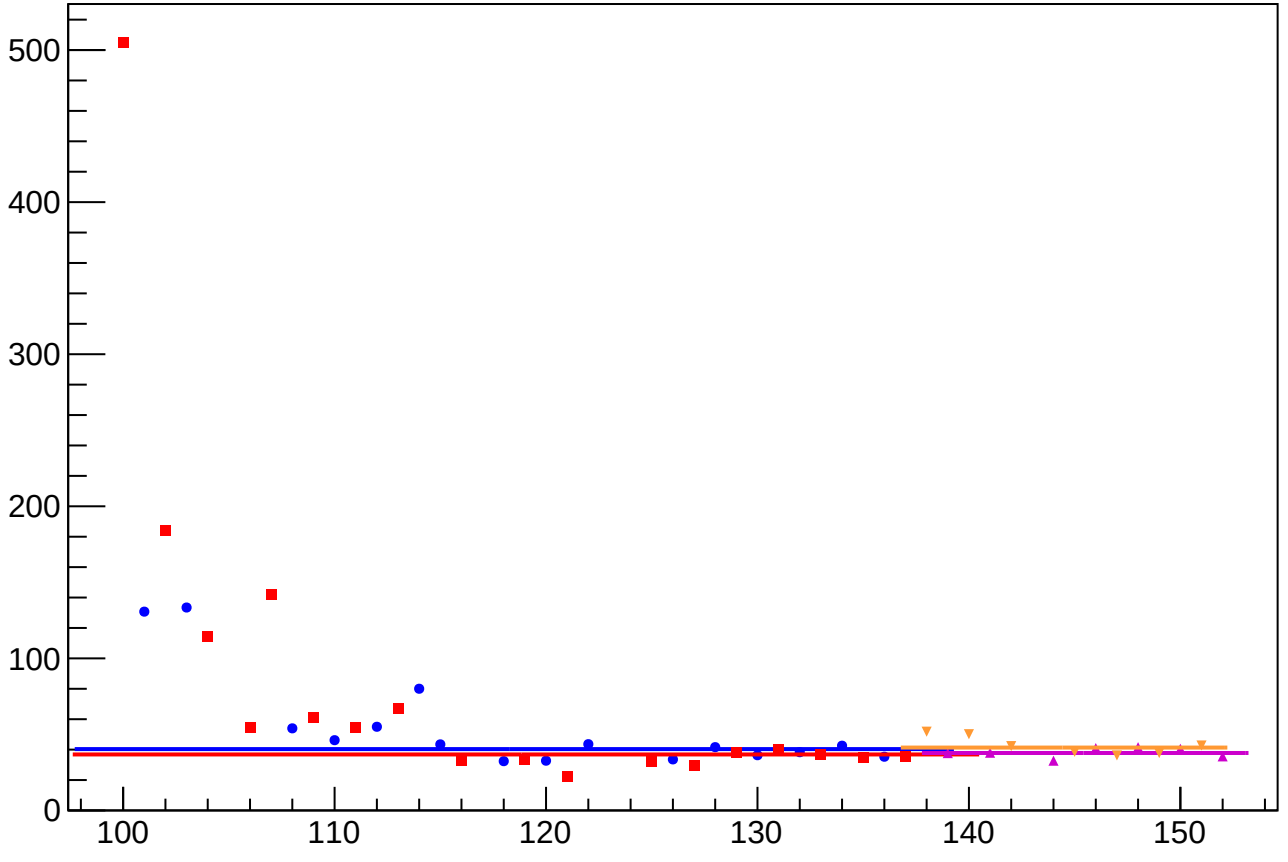
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.007+/-0.012 χ^2/NDF:24.2/22

Out: 0.007+/-0.013 χ^2/NDF:14.6/24

All: 0.007+/-0.009 χ^2/NDF: 38.8/47

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: 37.787+/-0.012 χ^2/NDF:69442.9/6

Left: 39.305+/-0.009 χ^2/NDF: 261146.3/13

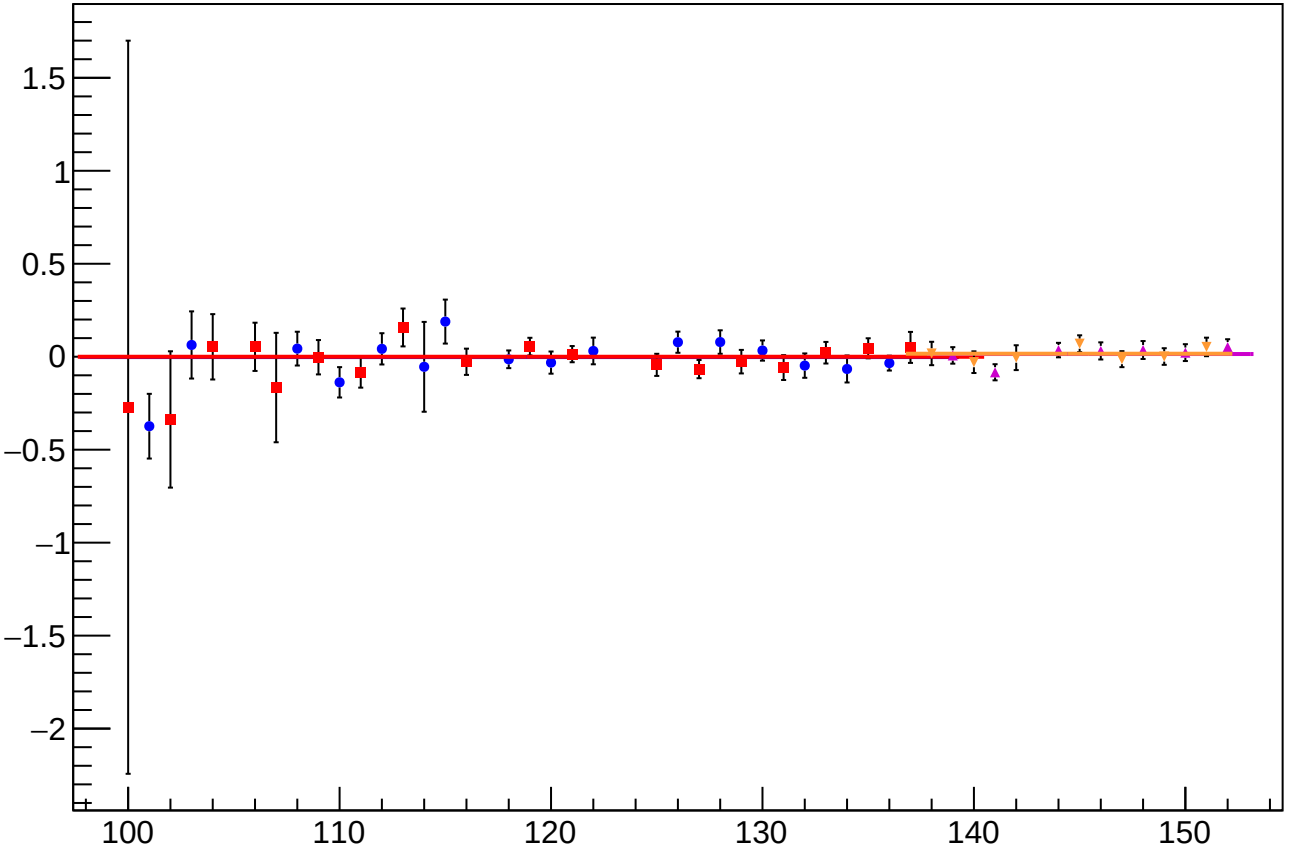
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.029+/-0.008 χ^2/NDF:1502826.8/22

Out: 38.767+/-0.009 χ^2/NDF:2052662.1/24

All: 38.906+/-0.006 χ^2/NDF: 3555946.0/47

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: 0.015+/-0.017 χ^2/NDF:6.6/6

Left: 0.015+/-0.013 χ^2/NDF: 9.8/13

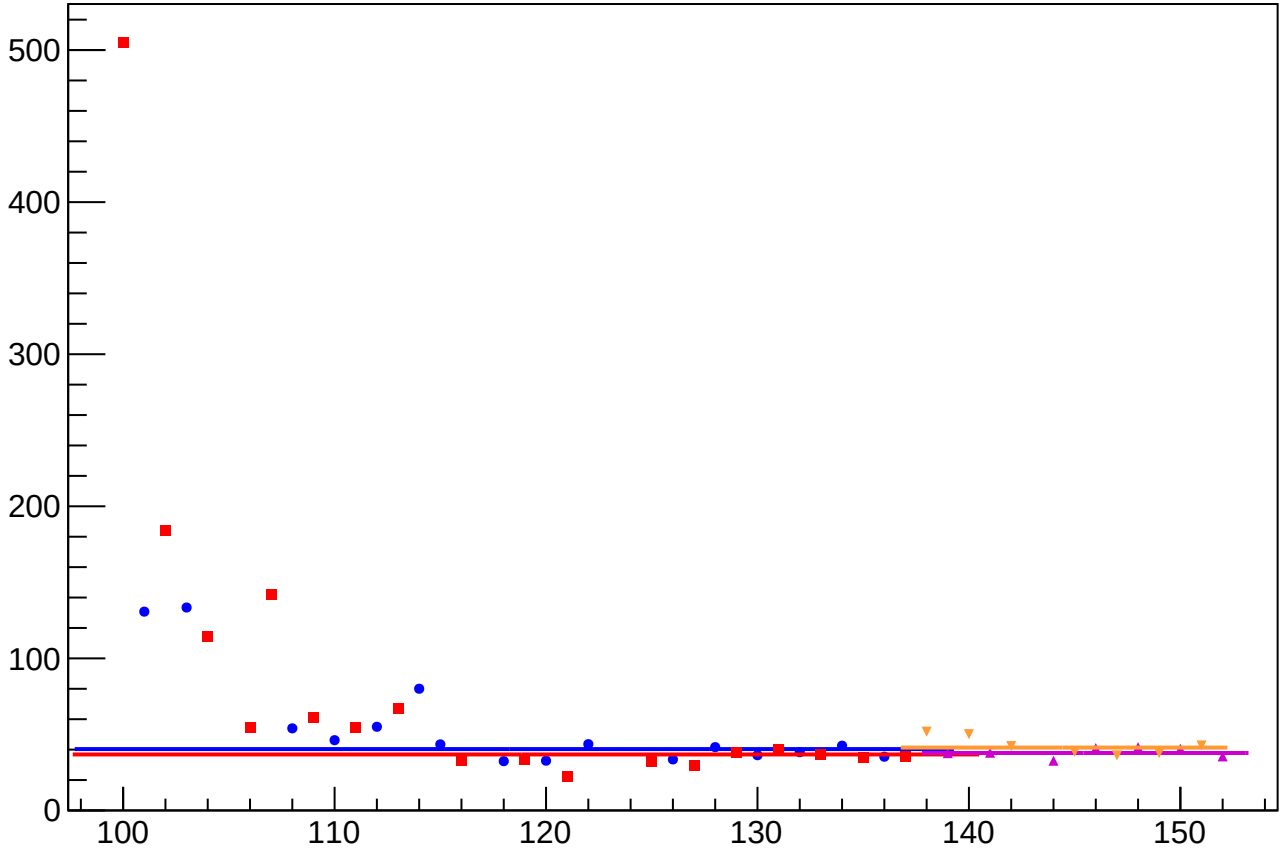
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.007+/-0.012 χ^2/NDF:24.2/22

Out: 0.007+/-0.013 χ^2/NDF:14.6/24

All: 0.007+/-0.009 χ^2/NDF: 38.8/47

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: 37.787+/-0.012 χ^2/NDF:69442.9/6

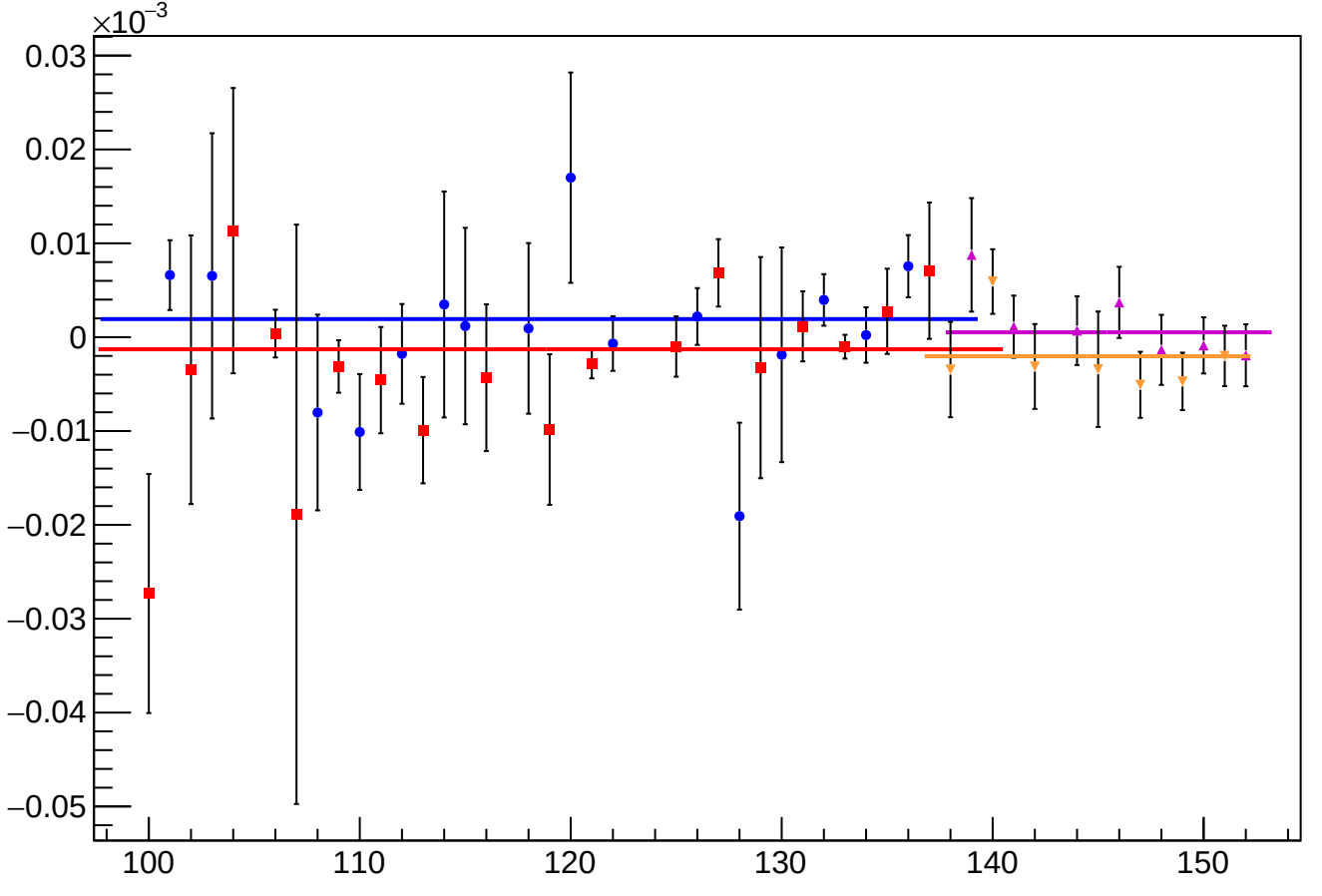
Left: 39.305+/-0.009 χ^2/NDF: 261146.3/13

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.029+/-0.008 χ^2/NDF:1502826.8/22

Out: 38.767+/-0.009 χ^2/NDF:2052662.1/24

All: 38.906+/-0.006 χ^2/NDF: 3555946.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/6

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:3.6/6

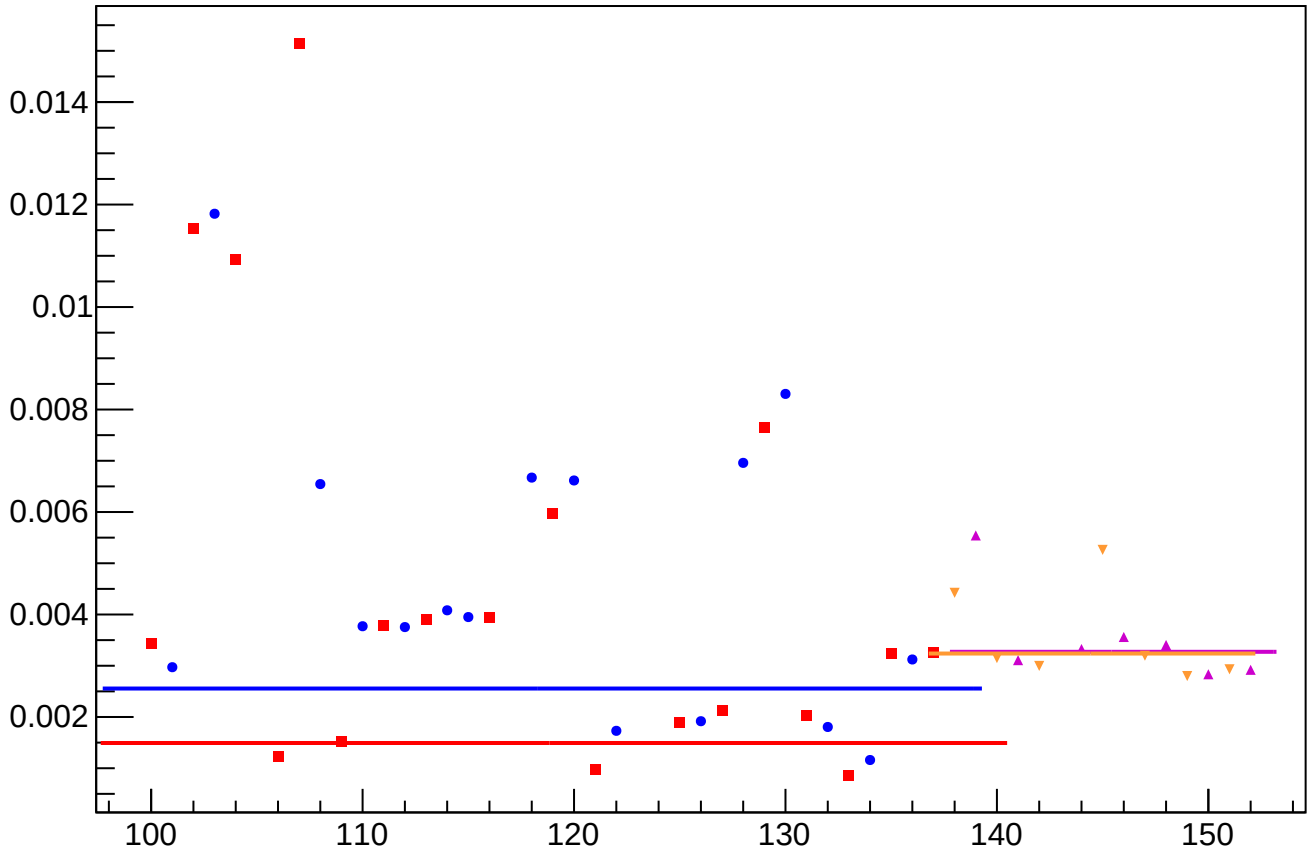
Left: -0.000+/-0.000 χ^2/NDF: 12.3/13

Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:22.1/22

Out: -0.000+/-0.000 χ^2/NDF:26.1/24

All: -0.000+/-0.000 χ^2/NDF: 54.7/47



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:367120.1/6

Left: 0.003+/-0.000 χ^2/NDF: 759183.6/13

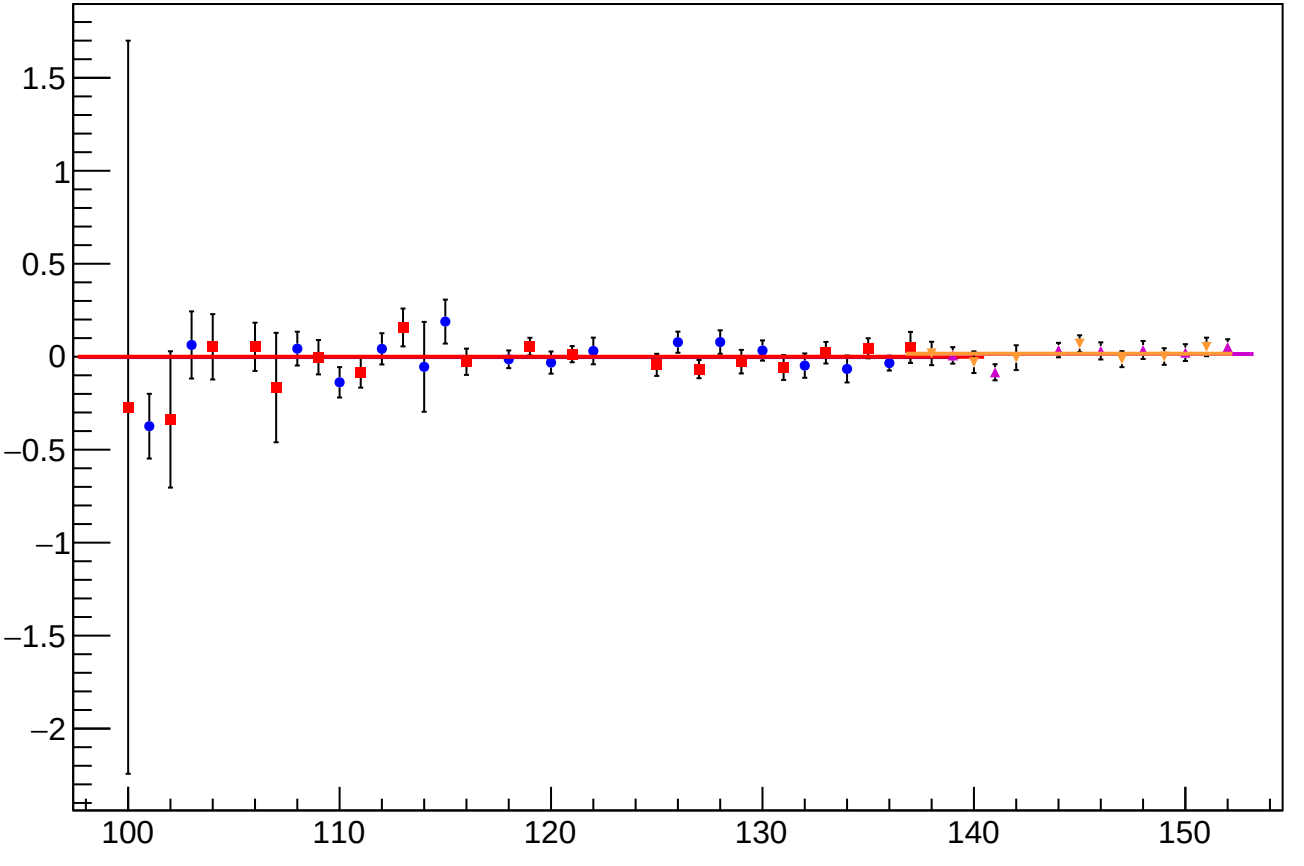
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:4474144.7/22

Out: 0.002+/-0.000 χ^2/NDF:8263654.8/24

All: 0.002+/-0.000 χ^2/NDF: 14338421.3/47

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: 0.015+/-0.017 χ^2/NDF:6.6/6

Left: 0.015+/-0.013 χ^2/NDF: 9.8/13

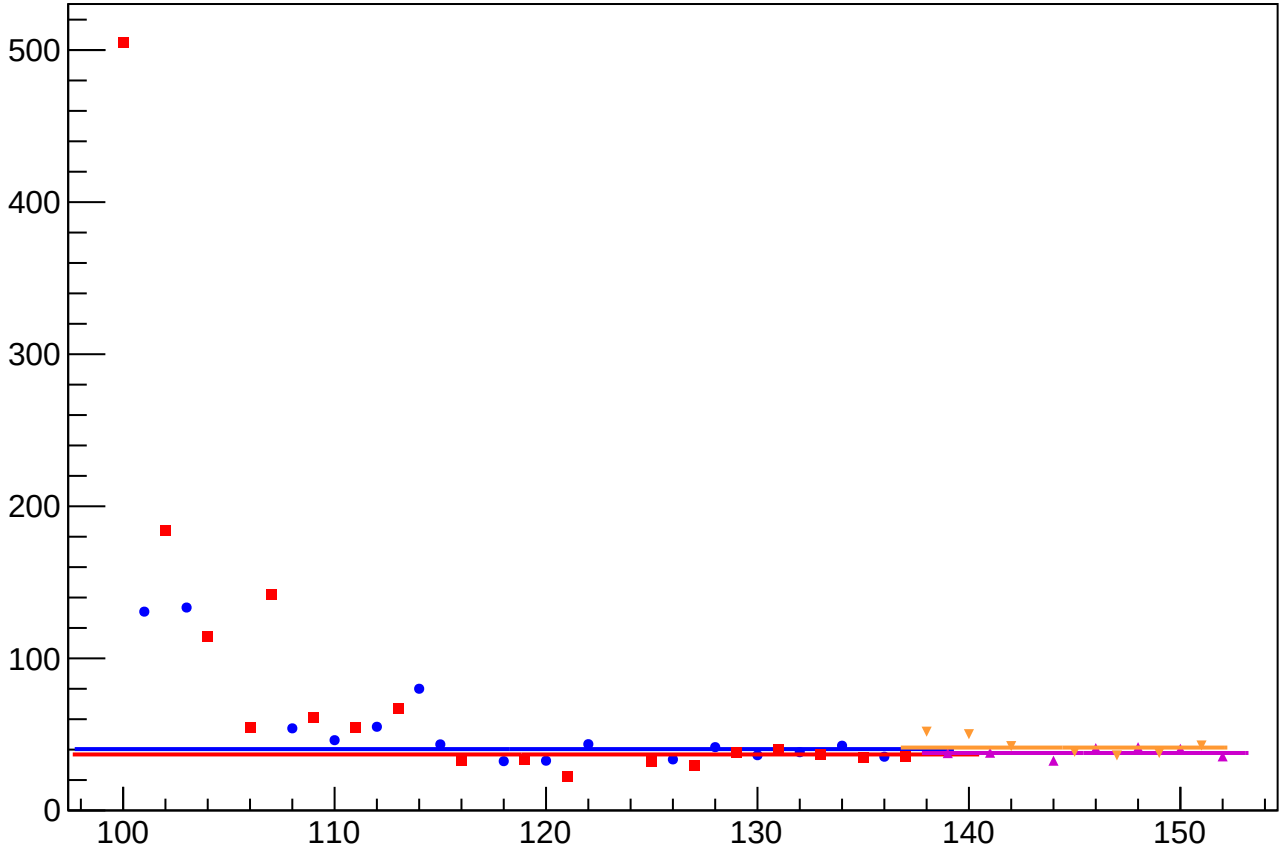
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.007+/-0.012 χ^2/NDF:24.2/22

Out: 0.007+/-0.013 χ^2/NDF:14.6/24

All: 0.007+/-0.009 χ^2/NDF: 38.8/47

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: 37.787+/-0.012 χ^2/NDF:69435.1/6

Left: 39.305+/-0.009 χ^2/NDF: 261147.5/13

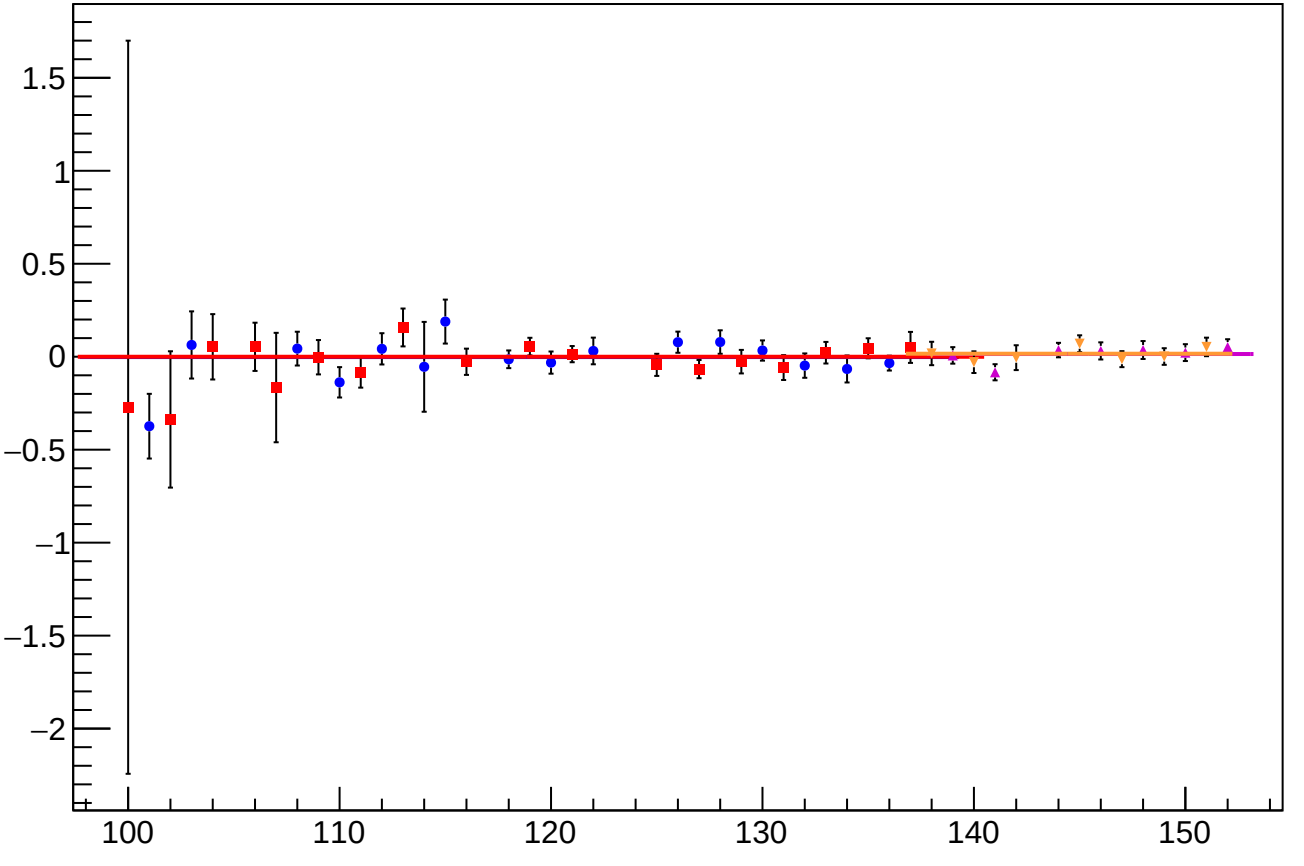
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.029+/-0.008 χ^2/NDF:1502729.8/22

Out: 38.767+/-0.009 χ^2/NDF:2052686.7/24

All: 38.906+/-0.006 χ^2/NDF: 3555876.8/47

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: 0.015+/-0.017 χ^2/NDF:6.6/6

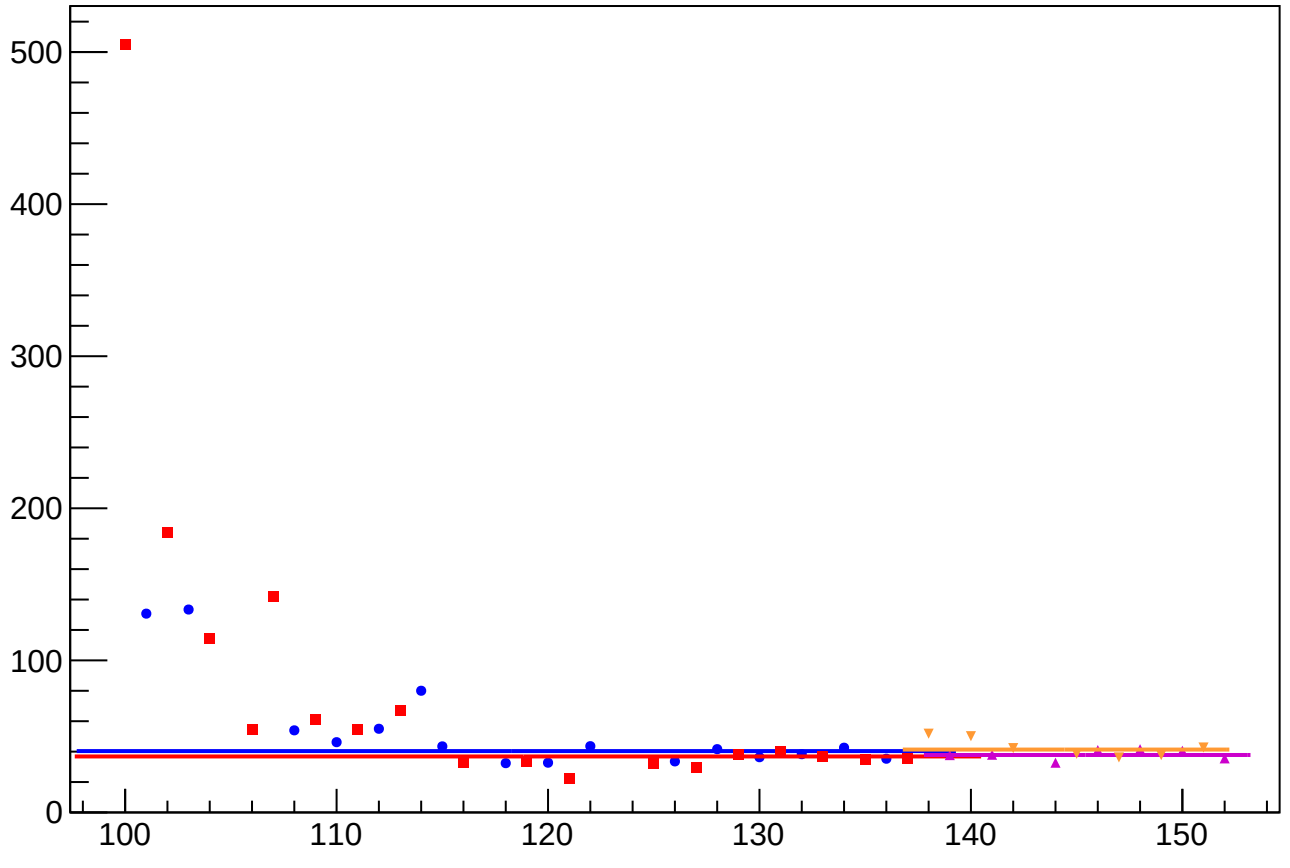
Left: 0.015+/-0.013 χ^2/NDF: 9.8/13

Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.007+/-0.012 χ^2/NDF:24.2/22

Out: 0.007+/-0.013 χ^2/NDF:14.6/24

All: 0.007+/-0.009 χ^2/NDF: 38.8/47



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: 37.787+/-0.012 χ^2/NDF:69435.1/6

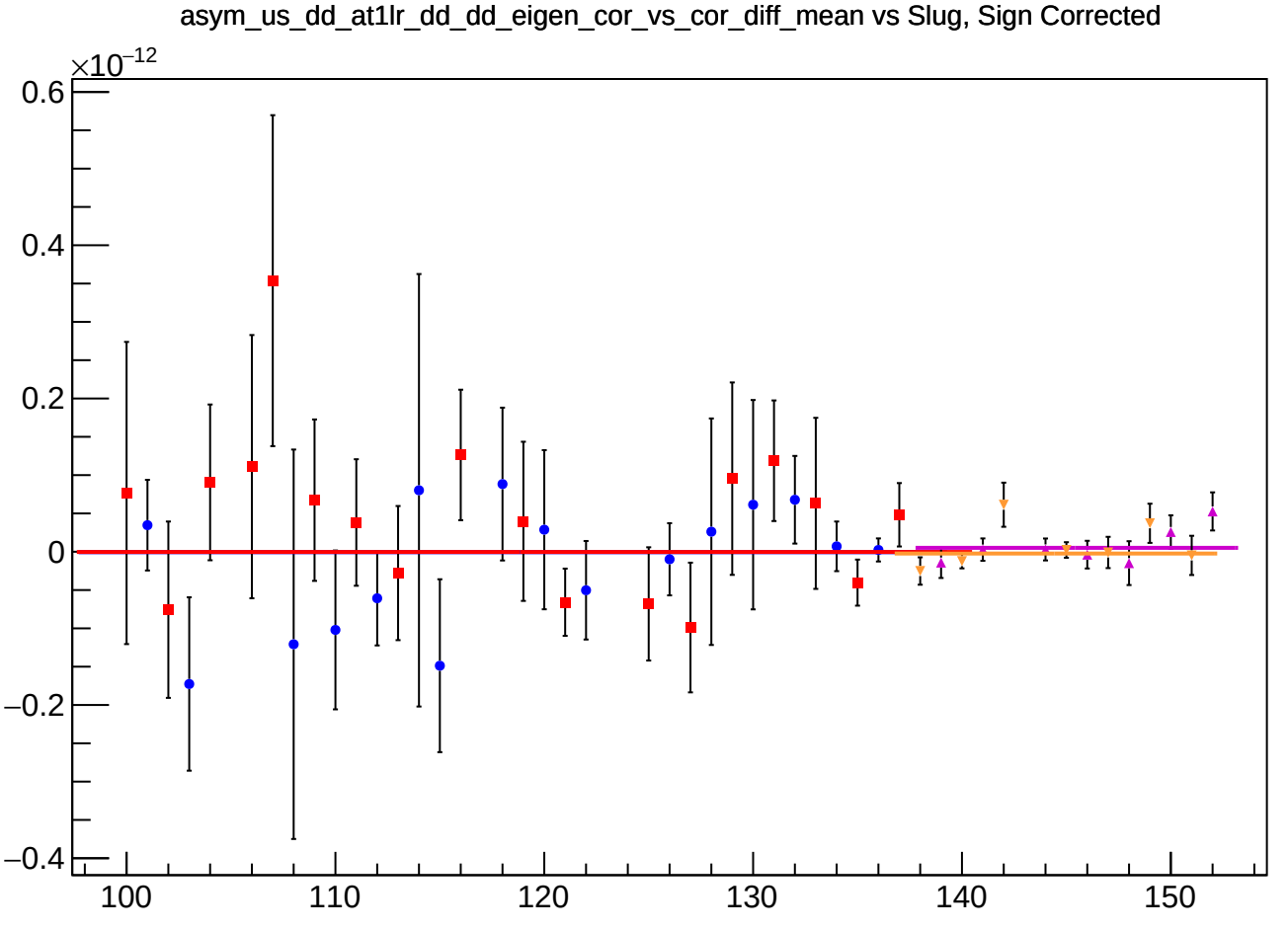
Left: 39.305+/-0.009 χ^2/NDF: 261147.5/13

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.029+/-0.008 χ^2/NDF:1502729.8/22

Out: 38.767+/-0.009 χ^2/NDF:2052686.7/24

All: 38.906+/-0.006 χ^2/NDF: 3555876.8/47



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:6.2/6

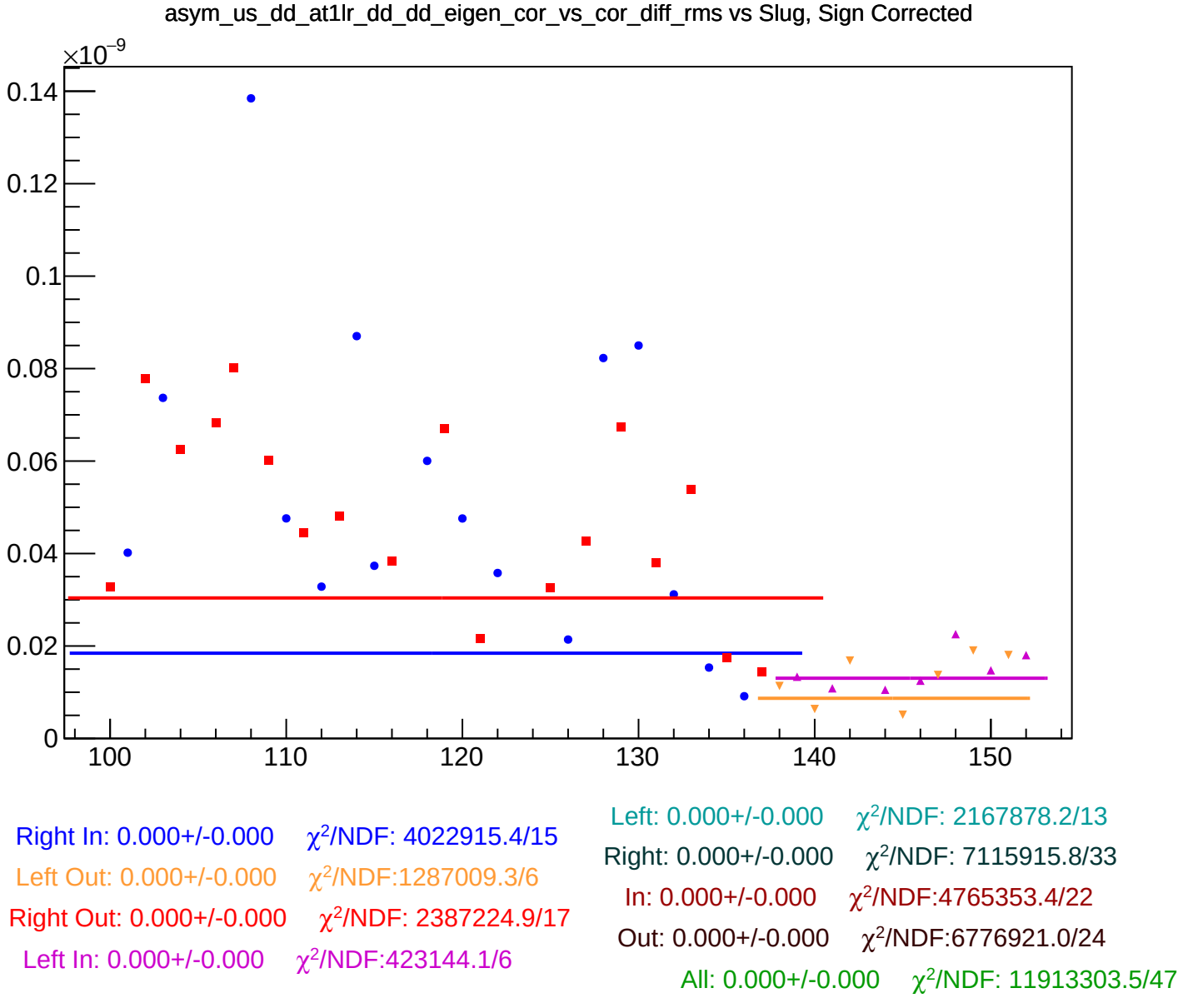
Left: 0.000+/-0.000 χ^2/NDF: 17.1/13

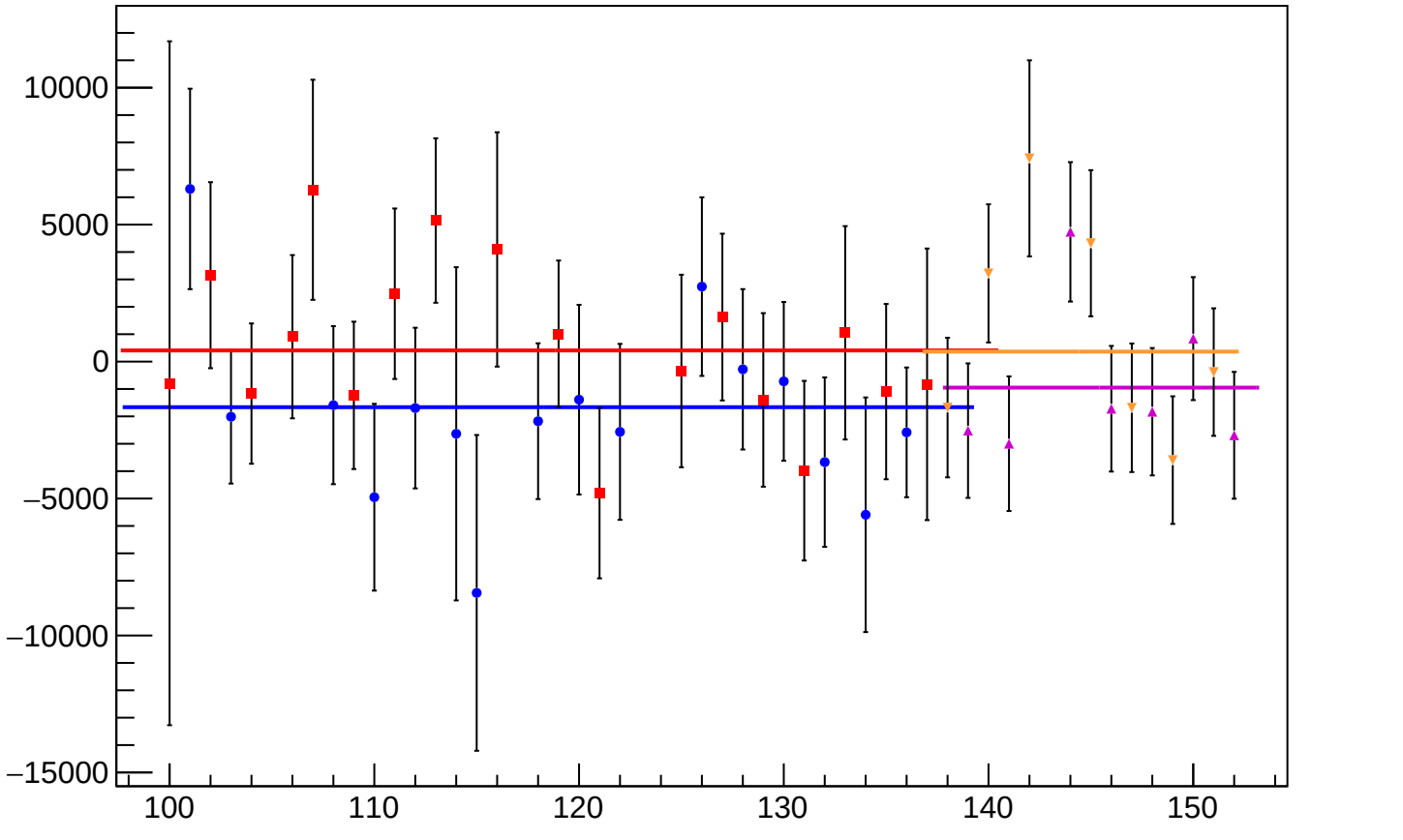
Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: 0.000+/-0.000 χ^2/NDF:16.3/22

Out: -0.000+/-0.000 χ^2/NDF:28.6/24

All: 0.000+/-0.000 χ^2/NDF: 45.4/47


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 4022915.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1287009.3/6
Right Out: 0.000+/-0.000 χ²/NDF: 2387224.9/17
Left In: 0.000+/-0.000 χ²/NDF:423144.1/6
Left: 0.000+/-0.000 χ²/NDF: 2167878.2/13
Right: 0.000+/-0.000 χ²/NDF: 7115915.8/33
In: 0.000+/-0.000 χ²/NDF:4765353.4/22
Out: 0.000+/-0.000 χ²/NDF:6776921.0/24
All: 0.000+/-0.000 χ²/NDF: 11913303.5/47



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: -950.068+/-895.856 χ^2/NDF:7.6/6

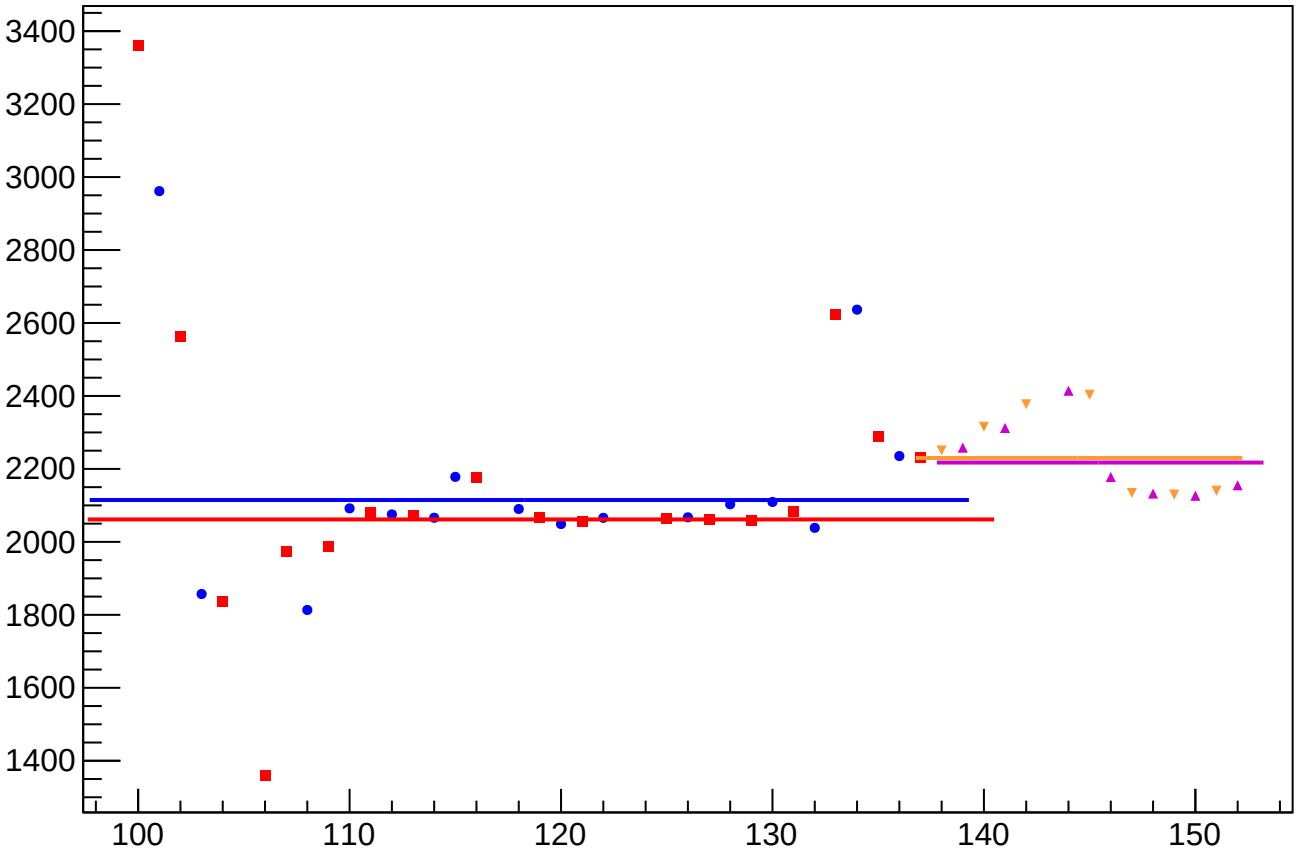
Left: -339.394+/-655.617 χ^2/NDF: 20.3/13

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

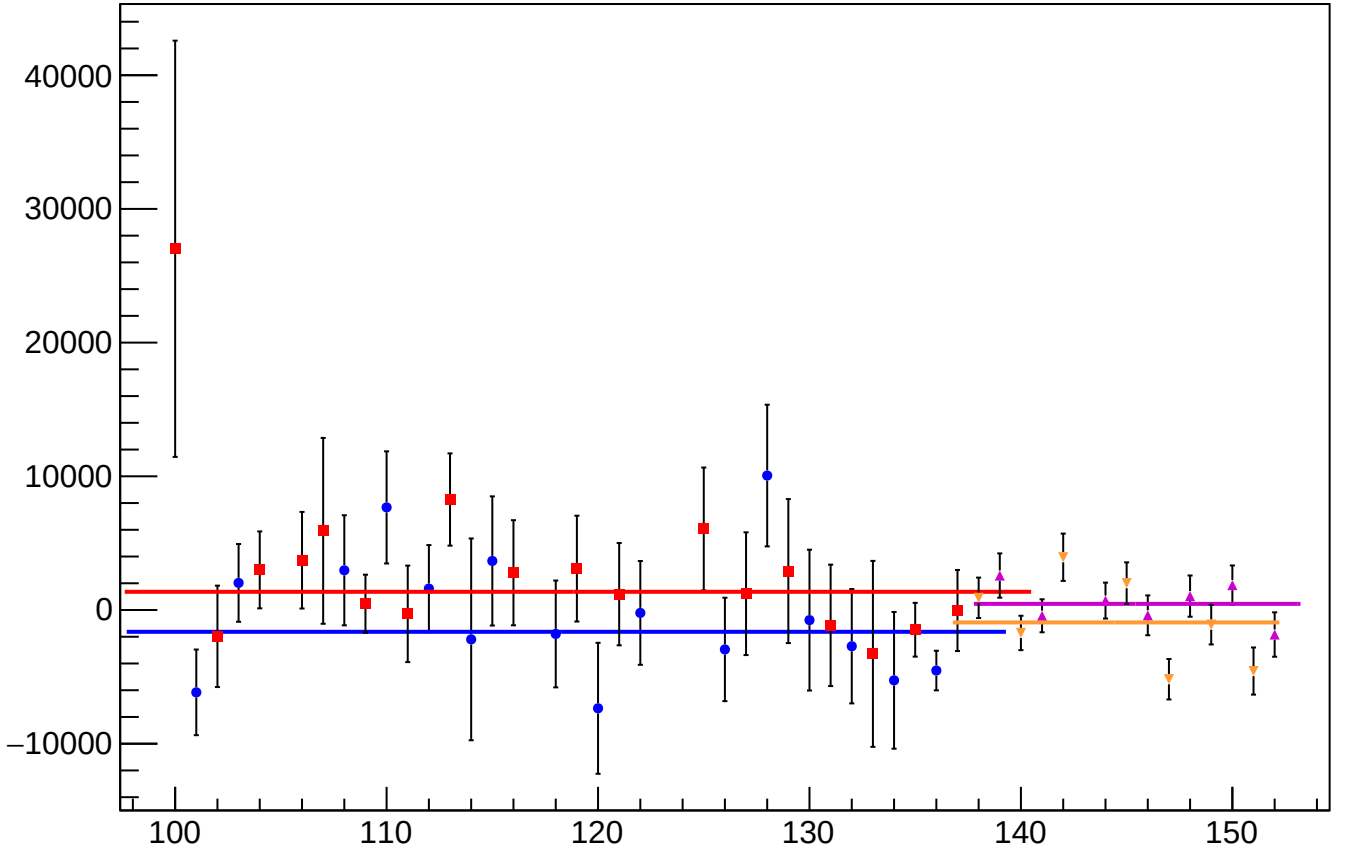
In: -1350.896+/-593.434 χ^2/NDF:18.7/22

Out: 390.263+/-604.546 χ^2/NDF:24.5/24

All: -496.464+/-423.495 χ^2/NDF: 47.4/47


reg_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
Right In: 2114.755+/-0.560 χ²/NDF: 189920.6/15
Left Out: 2229.913+/-0.680 χ²/NDF:24286.3/6
Right Out: 2061.560+/-0.550 χ²/NDF: 249186.6/17
Left In: 2217.476+/-0.633 χ²/NDF:23498.6/6
Left: 2223.252+/-0.464 χ²/NDF: 47963.9/13
Right: 2087.649+/-0.392 χ²/NDF: 443702.7/33
In: 2159.829+/-0.420 χ²/NDF:228175.8/22
Out: 2128.039+/-0.427 χ²/NDF:310534.2/24
All: 2144.229+/-0.299 χ²/NDF: 541526.5/47

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -929.985+/-578.395 χ^2/NDF:25.2/6

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 458.976+/-552.765 χ^2/NDF:5.5/6

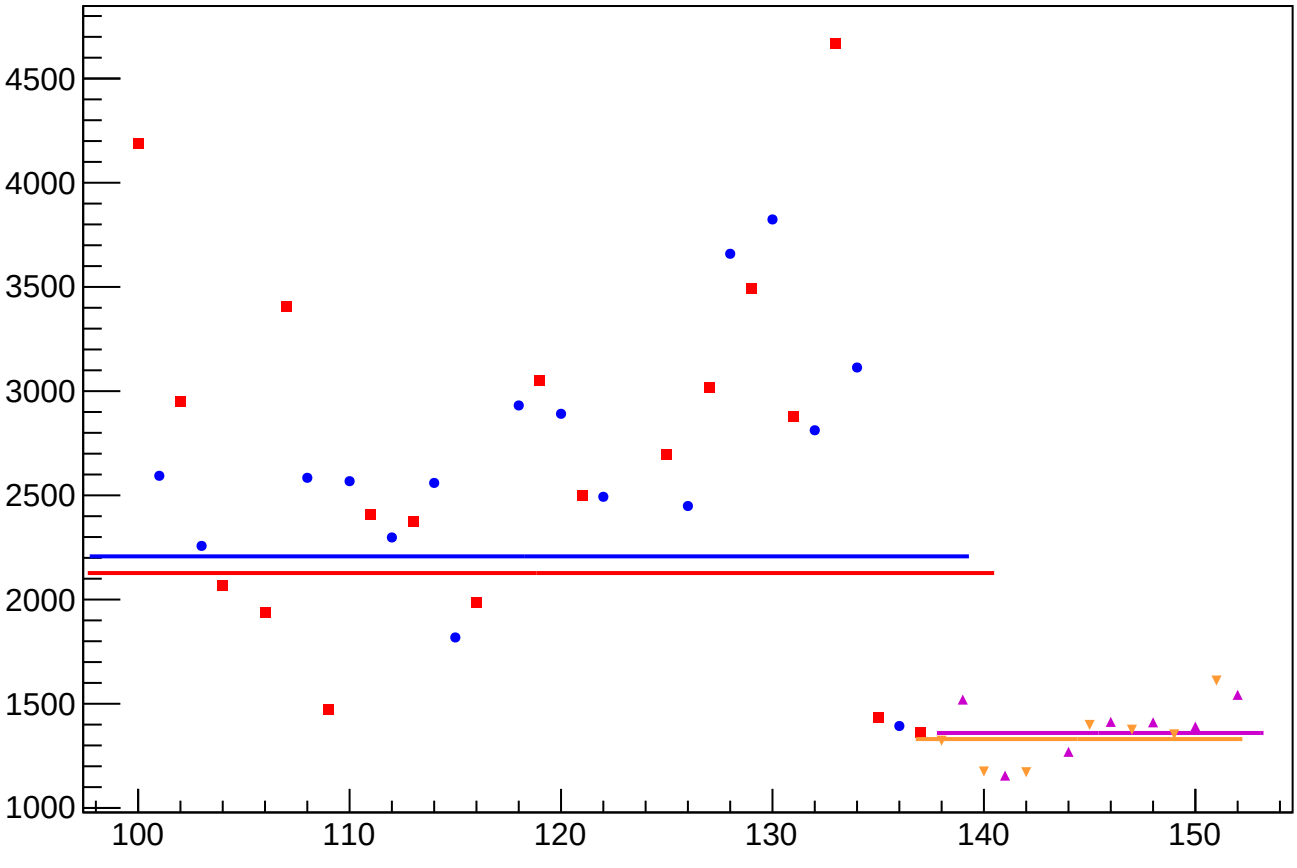
Left: -204.050+/-399.618 χ^2/NDF: 33.7/13

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -149.452+/-465.378 χ^2/NDF:32.5/22

Out: -193.362+/-476.461 χ^2/NDF:43.7/24

All: -170.890+/-332.921 χ^2/NDF: 76.2/47



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: 1359.832+/-0.391 χ^2/NDF:112784.7/6

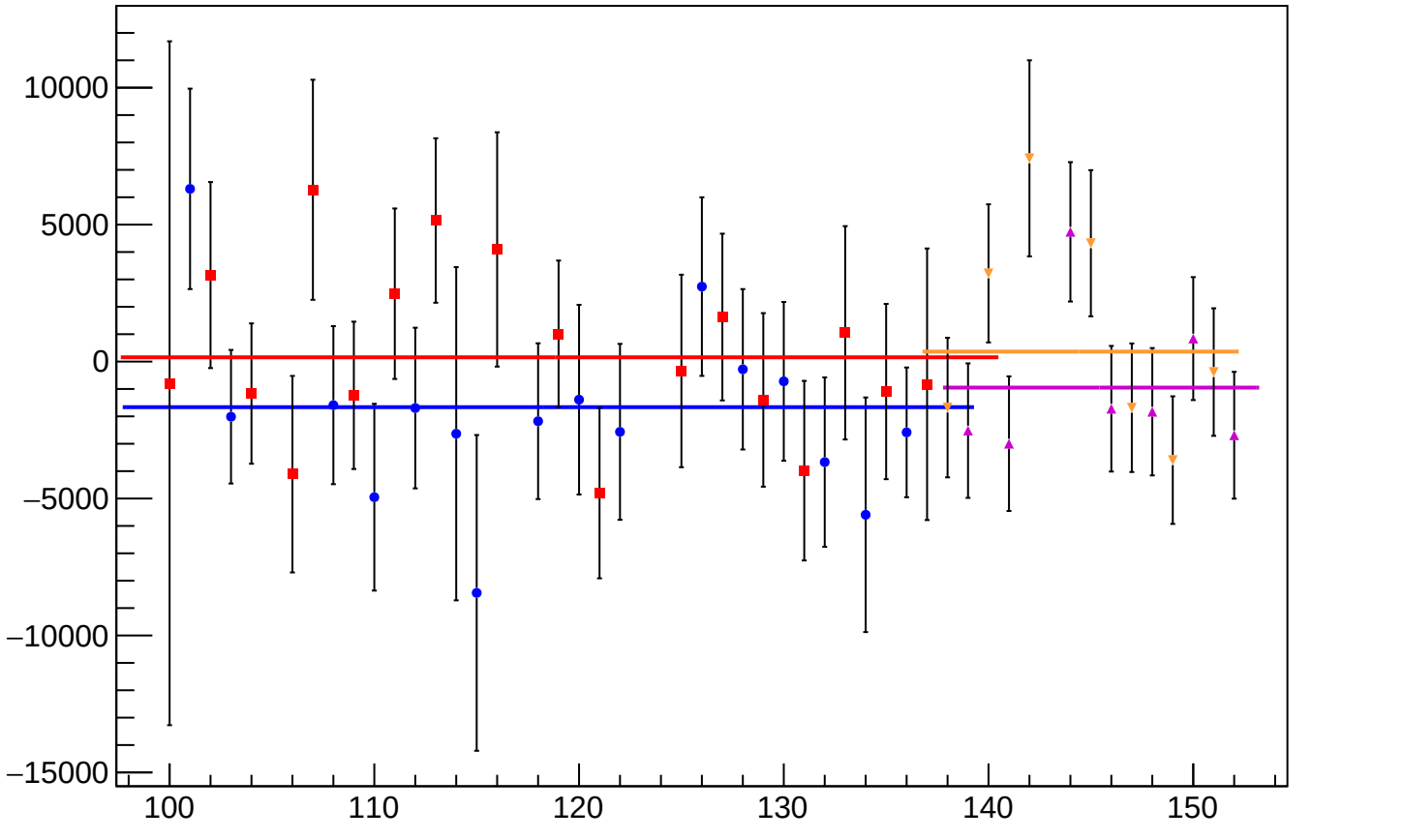
Left: 1345.832+/-0.283 χ^2/NDF: 217793.2/13

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1606.593+/-0.329 χ^2/NDF:2730802.2/22

Out: 1586.581+/-0.337 χ^2/NDF:2780077.7/24

All: 1596.822+/-0.235 χ^2/NDF: 5512685.5/47



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: -950.043+/-895.856 χ^2/NDF:7.6/6

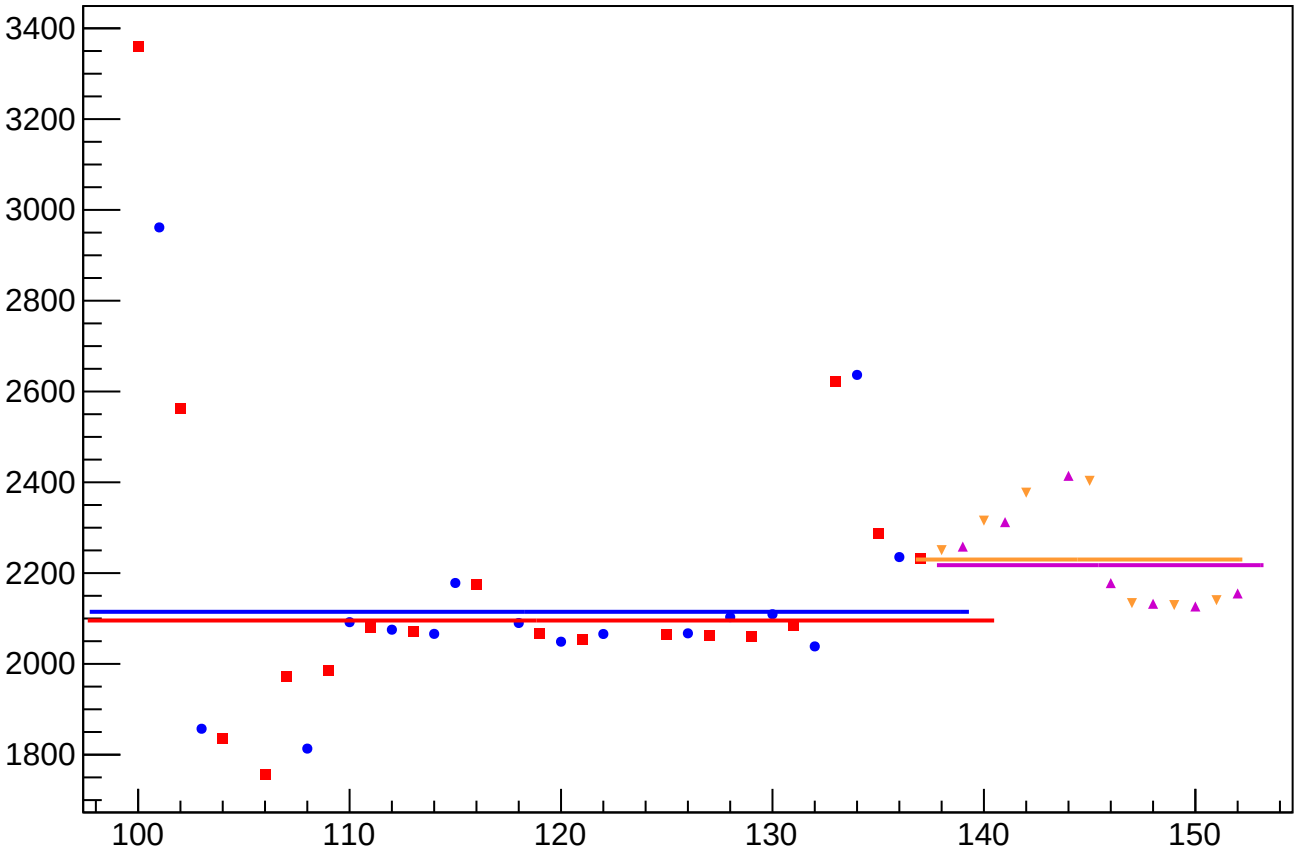
Left: -339.321+/-655.617 χ^2/NDF: 20.3/13

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1350.843+/-593.435 χ^2/NDF:18.7/22

Out: 239.453+/-608.439 χ^2/NDF:26.0/24

All: -575.545+/-424.827 χ^2/NDF: 48.2/47



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: 2217.476+/-0.633 χ^2/NDF:23498.6/6

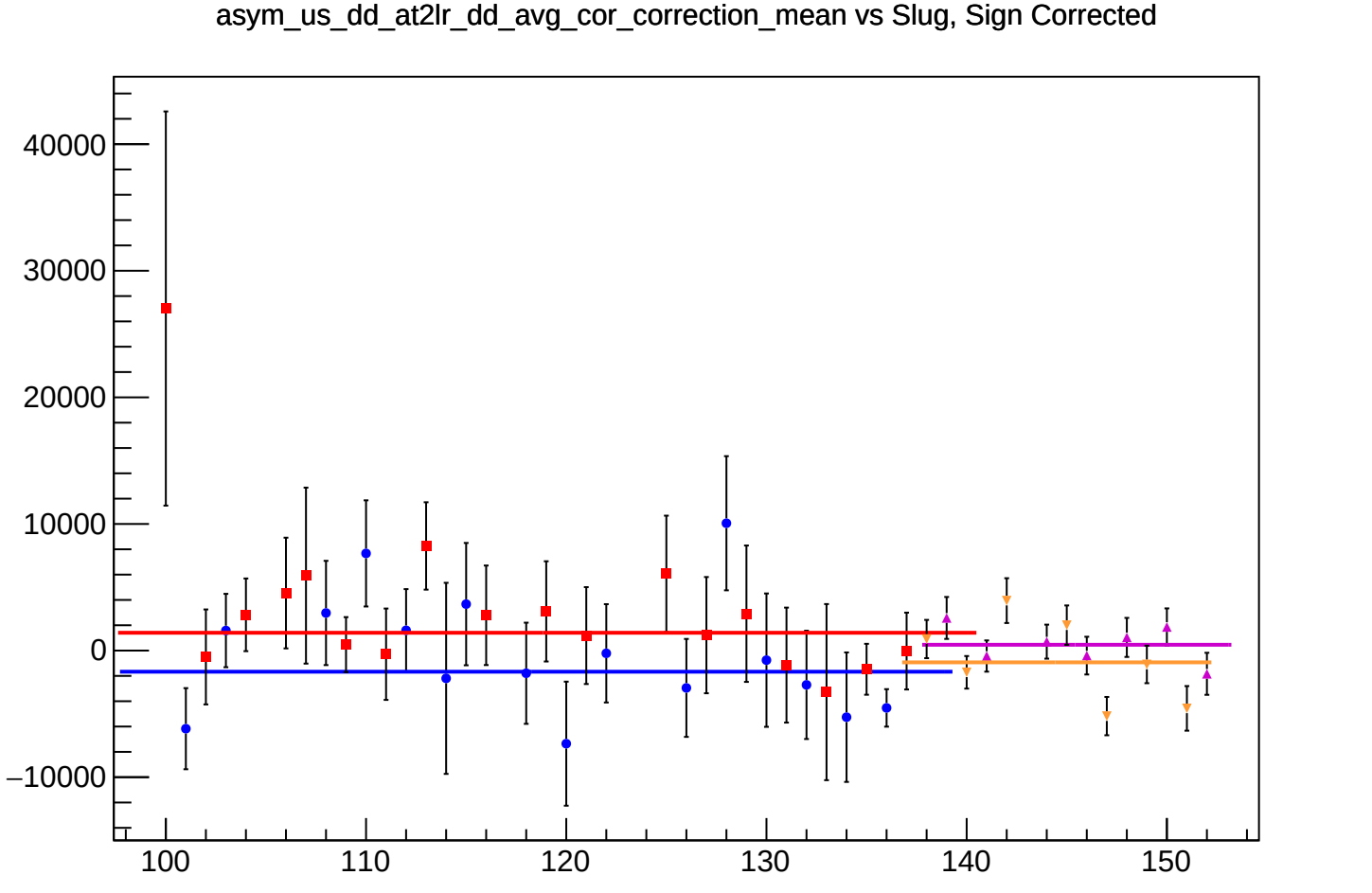
Left: 2223.252+/-0.464 χ^2/NDF: 47963.9/13

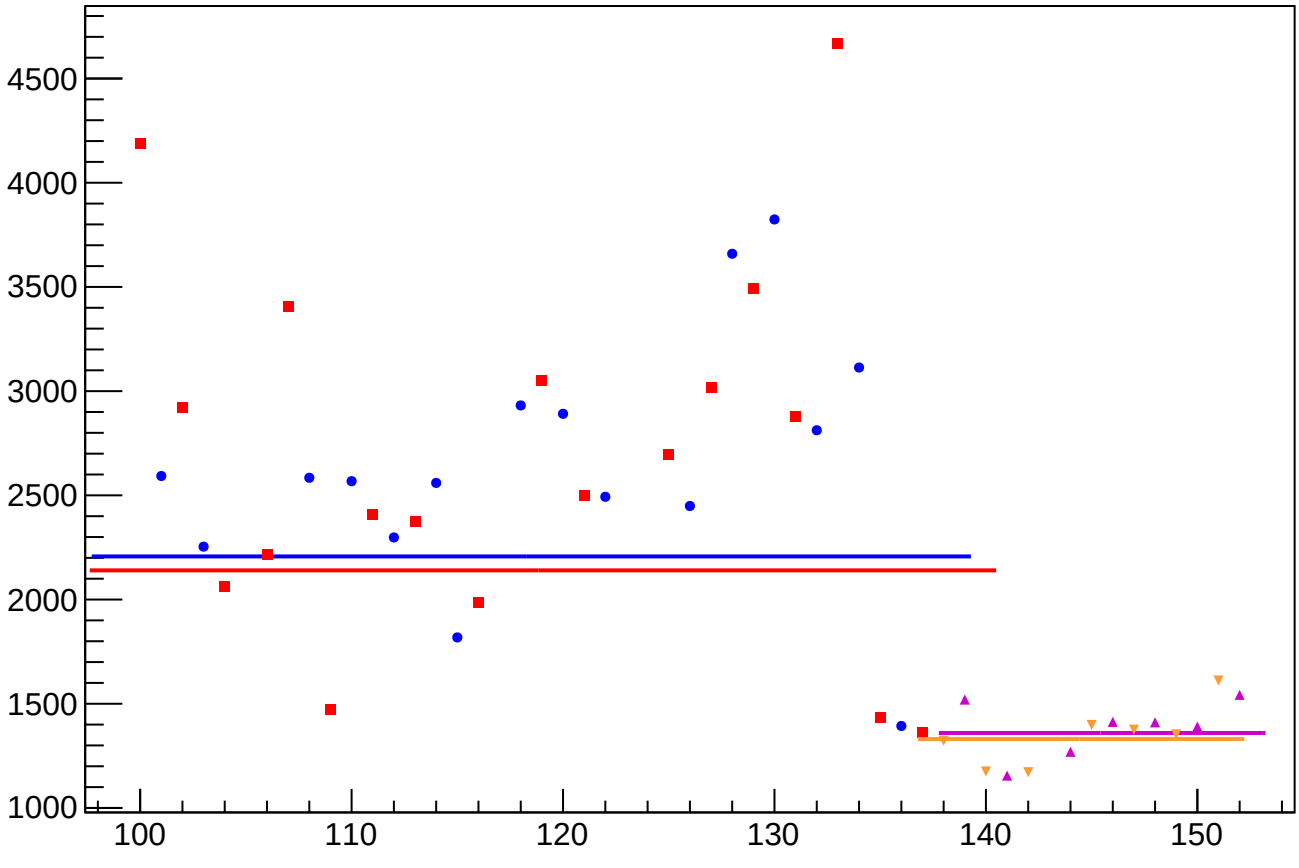
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2159.829+/-0.420 χ^2/NDF:228176.1/22

Out: 2149.321+/-0.430 χ^2/NDF:197038.3/24

All: 2154.706+/-0.300 χ^2/NDF: 425520.2/47


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: 458.935+/-552.763 χ²/NDF:5.5/6
Left: -204.092+/-399.619 χ²/NDF: 33.7/13
Right: -103.153+/-604.221 χ²/NDF: 42.0/33
In: -160.841+/-465.331 χ²/NDF:32.3/22
Out: -186.582+/-477.667 χ²/NDF:43.3/24
All: -173.375+/-333.314 χ²/NDF: 75.6/47



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: 1359.826+/-0.391 χ^2/NDF:112806.0/6

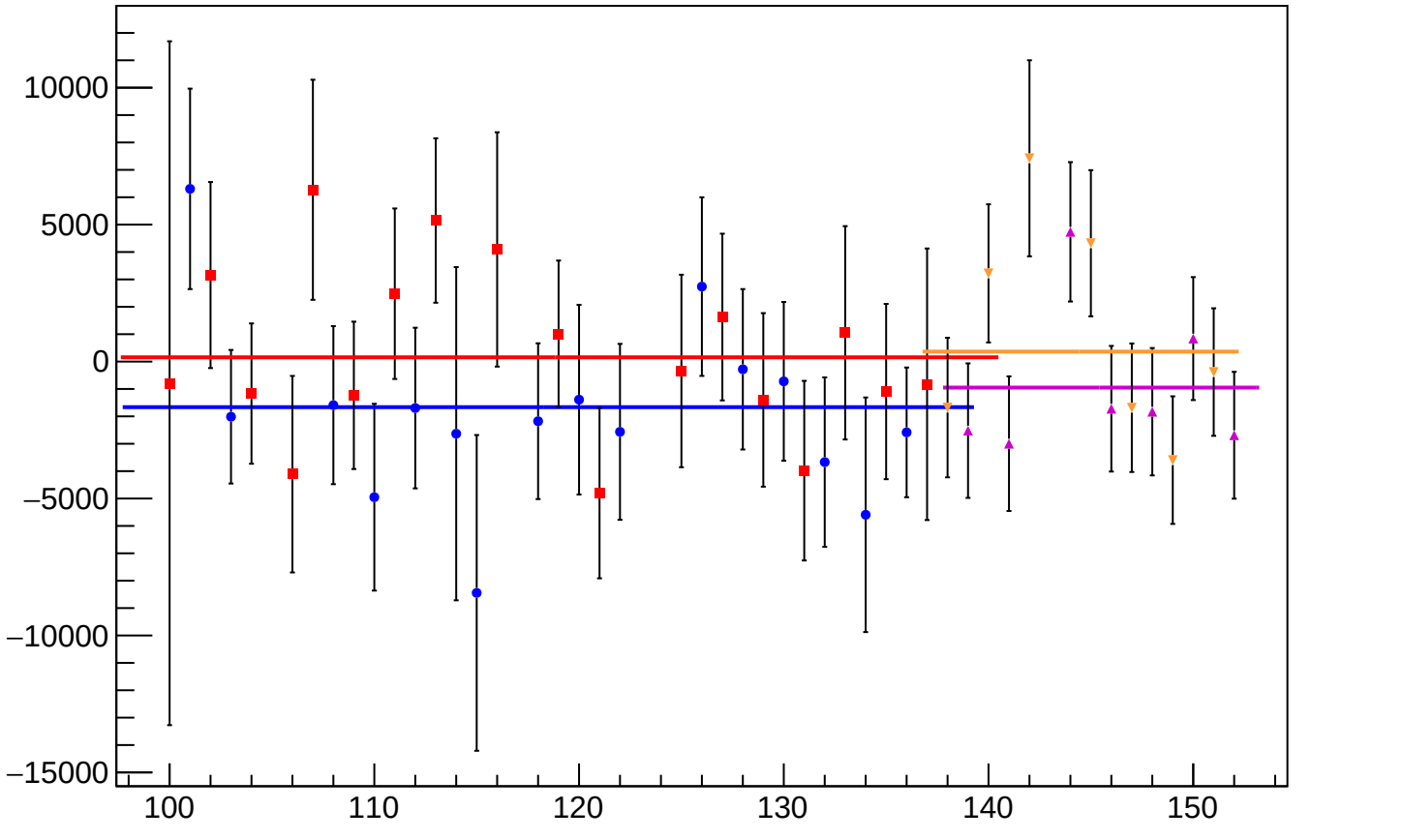
Left: 1345.838+/-0.283 χ^2/NDF: 217780.3/13

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1606.607+/-0.329 χ^2/NDF:2730174.3/22

Out: 1587.948+/-0.338 χ^2/NDF:2796483.0/24

All: 1597.521+/-0.236 χ^2/NDF: 5528223.3/47



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: -950.043+/-895.856 χ^2/NDF:7.6/6

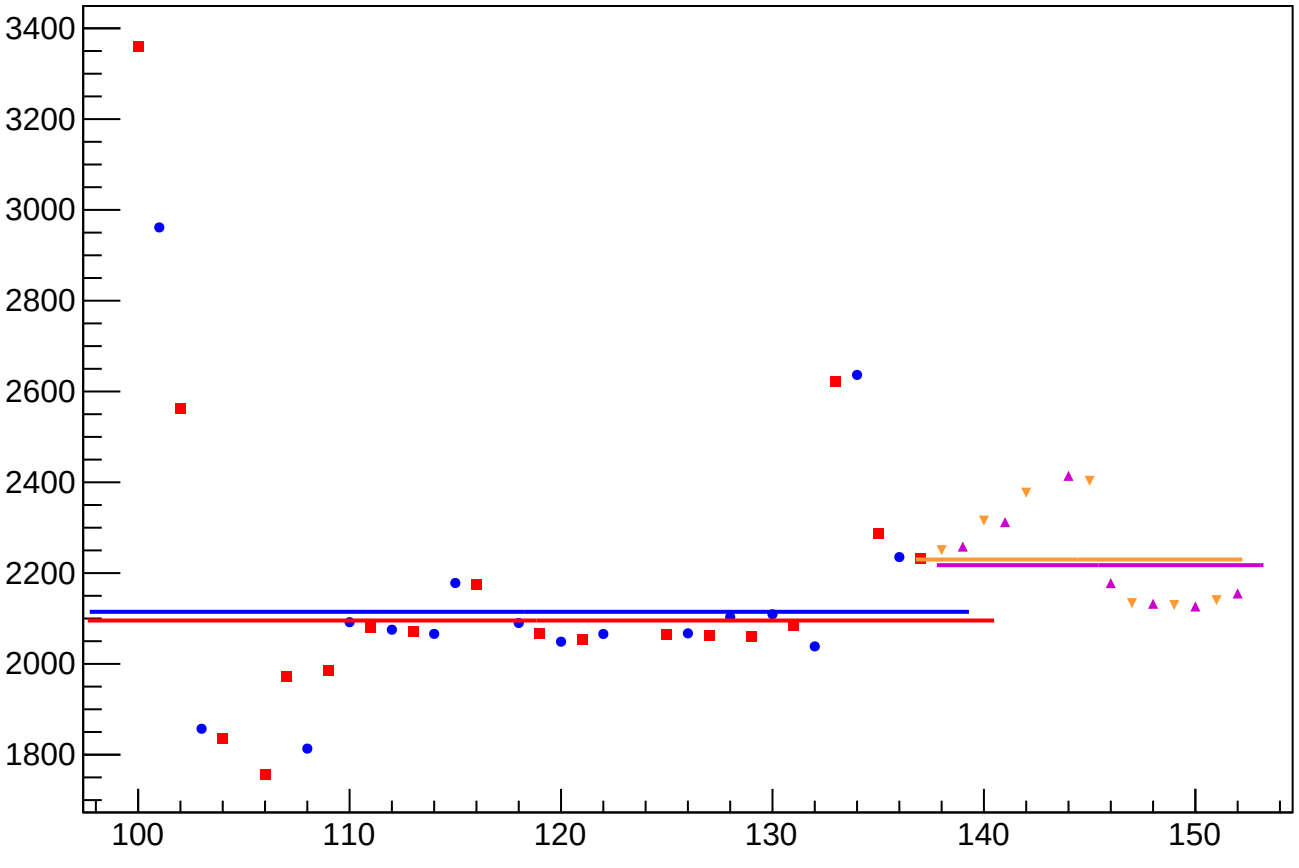
Left: -339.321+/-655.617 χ^2/NDF: 20.3/13

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1350.843+/-593.435 χ^2/NDF:18.7/22

Out: 239.453+/-608.439 χ^2/NDF:26.0/24

All: -575.545+/-424.827 χ^2/NDF: 48.2/47



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: 2217.476+/-0.633 χ^2/NDF:23498.6/6

Left: 2223.252+/-0.464 χ^2/NDF: 47963.9/13

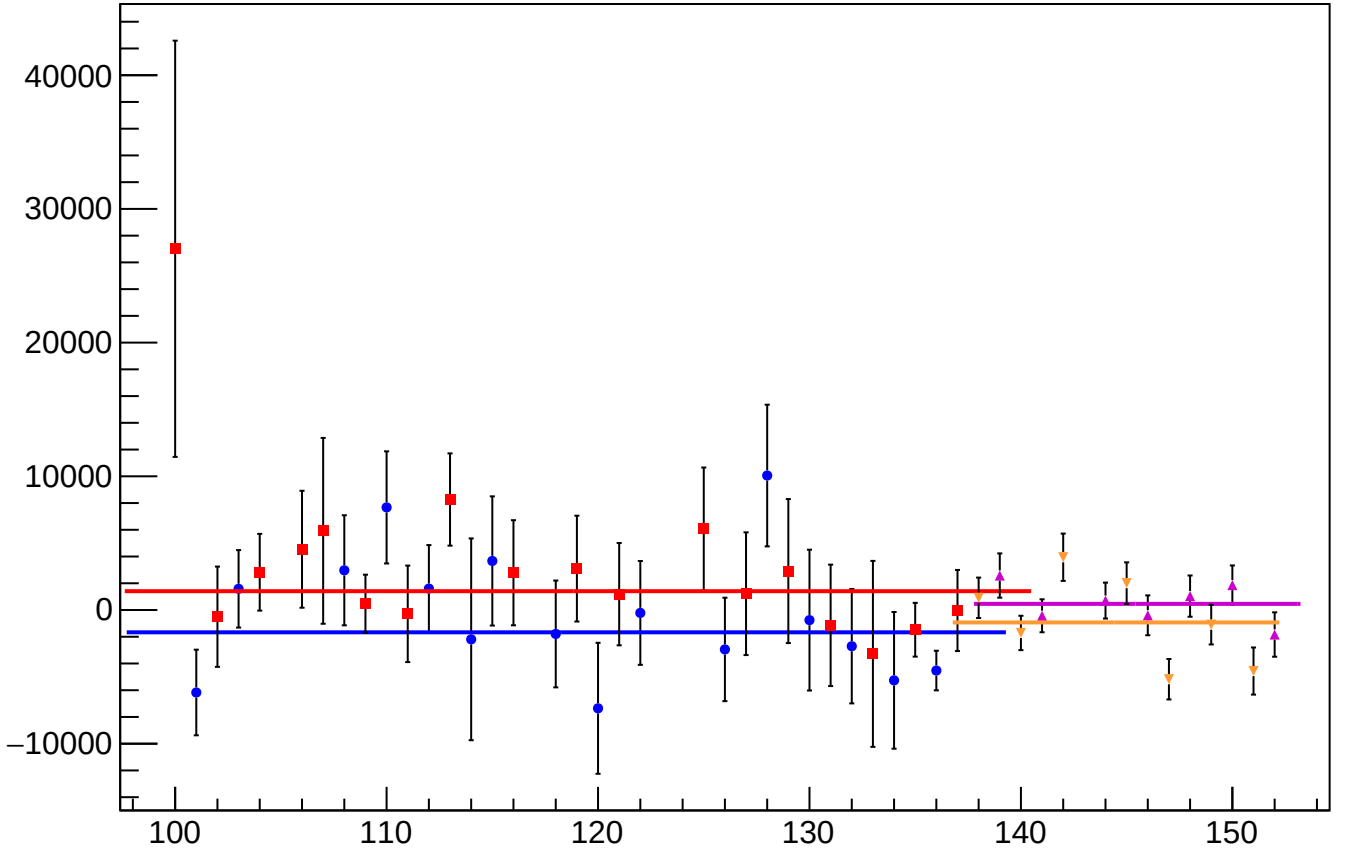
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2159.829+/-0.420 χ^2/NDF:228176.1/22

Out: 2149.321+/-0.430 χ^2/NDF:197038.3/24

All: 2154.706+/-0.300 χ^2/NDF: 425520.2/47

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: 458.935+/-552.763 χ^2/NDF:5.5/6

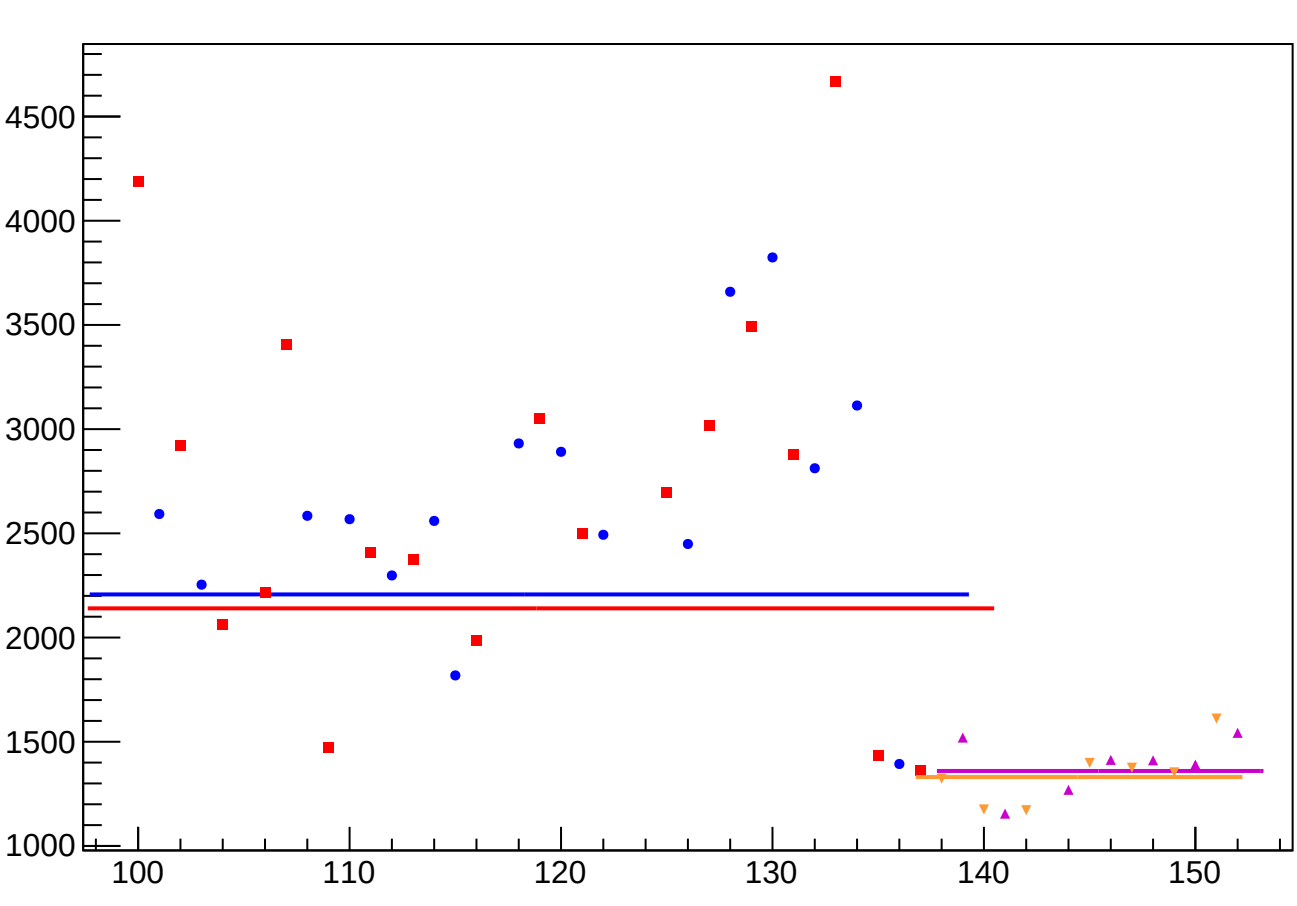
Left: -204.092+/-399.619 χ^2/NDF: 33.7/13

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -160.841+/-465.331 χ^2/NDF:32.3/22

Out: -186.582+/-477.667 χ^2/NDF:43.3/24

All: -173.375+/-333.314 χ^2/NDF: 75.6/47



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: 1359.826+/-0.391 χ^2/NDF:112806.0/6

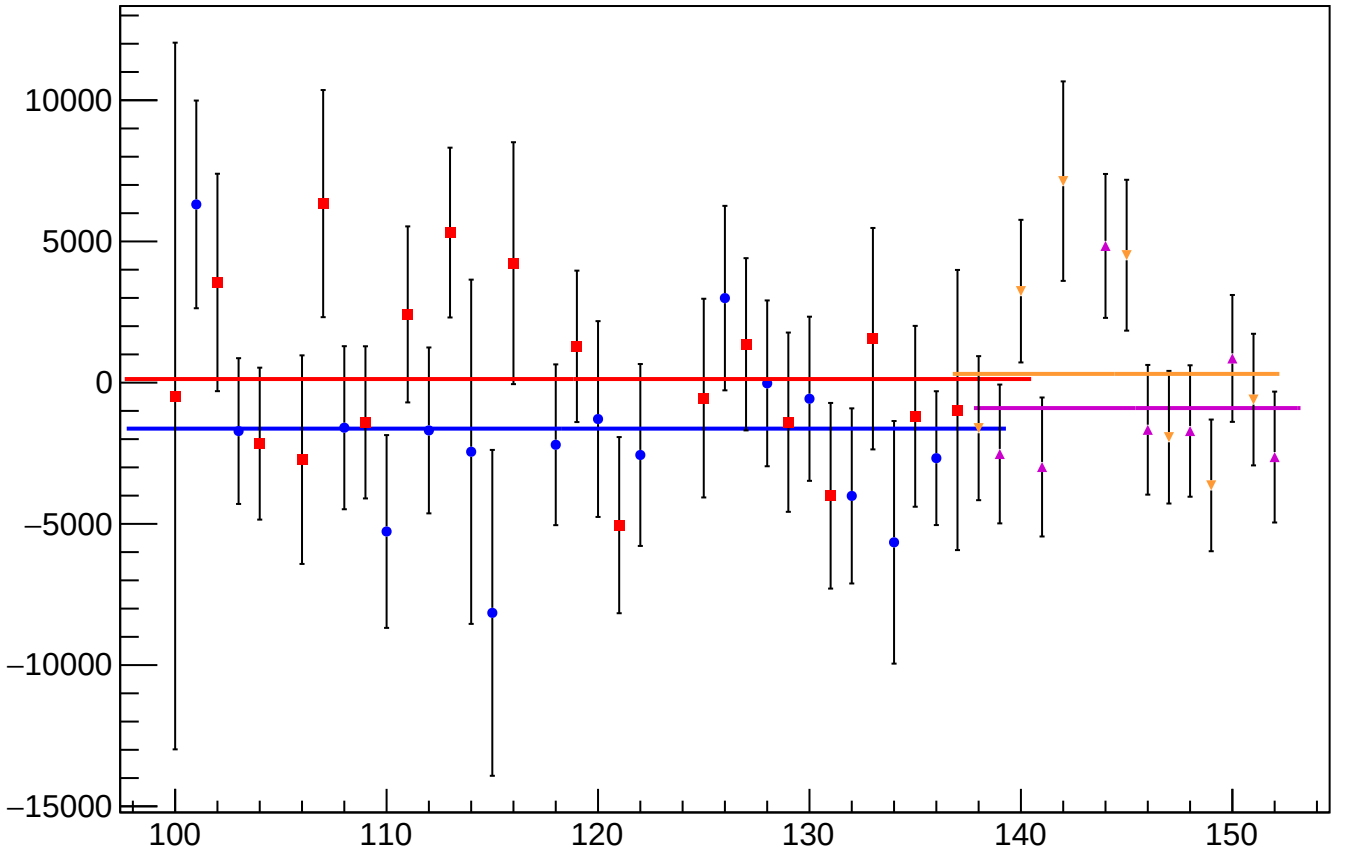
Left: 1345.838+/-0.283 χ^2/NDF: 217780.3/13

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1606.607+/-0.329 χ^2/NDF:2730174.3/22

Out: 1587.948+/-0.338 χ^2/NDF:2796483.0/24

All: 1597.521+/-0.236 χ^2/NDF: 5528223.3/47



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: -899.665+/-896.754 χ^2/NDF:7.6/6

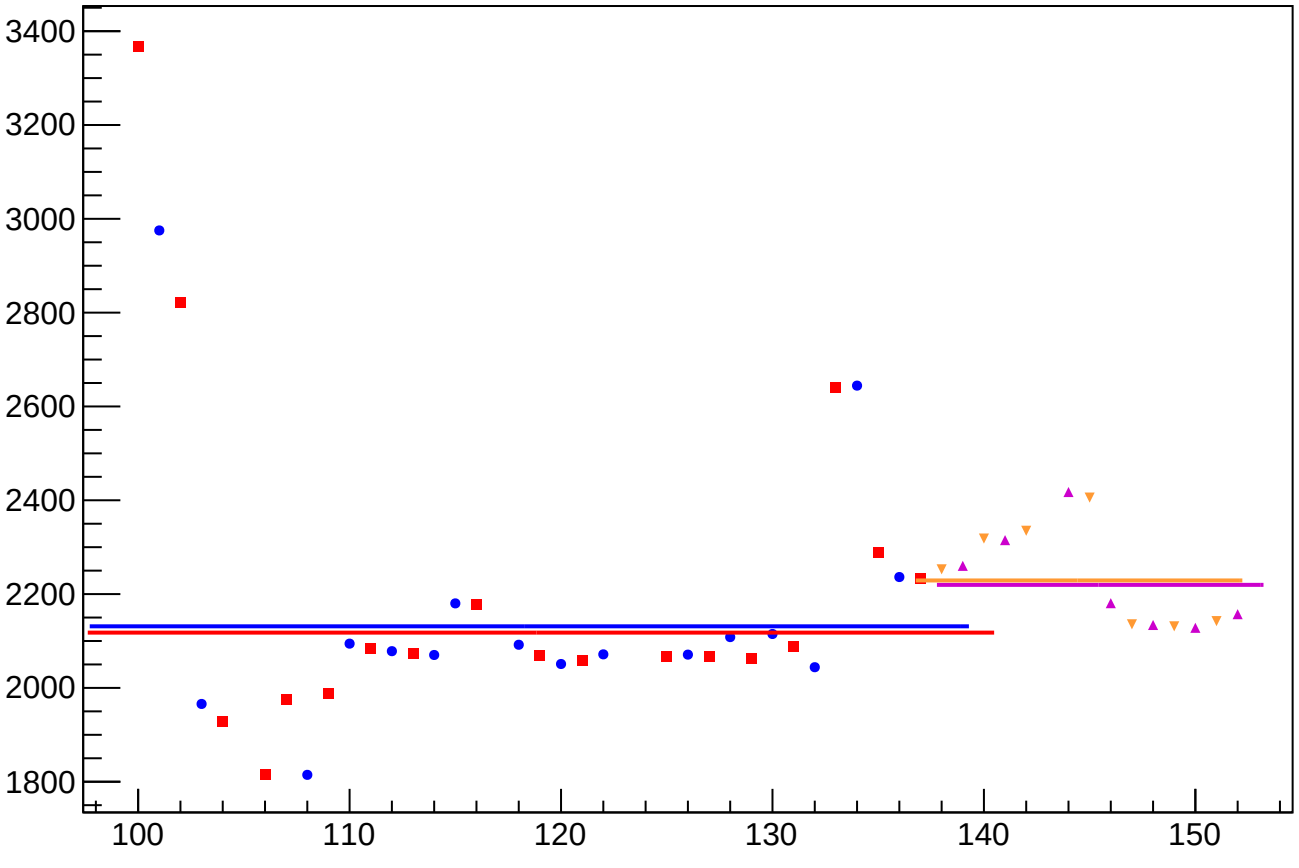
Left: -337.159+/-655.944 χ^2/NDF: 20.5/13

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1305.940+/-596.126 χ^2/NDF:19.3/22

Out: 202.071+/-613.222 χ^2/NDF:26.6/24

All: -573.248+/-427.441 χ^2/NDF: 49.1/47



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: 2219.674+/-0.634 χ^2/NDF:23668.9/6

Left: 2224.037+/-0.464 χ^2/NDF: 46457.2/13

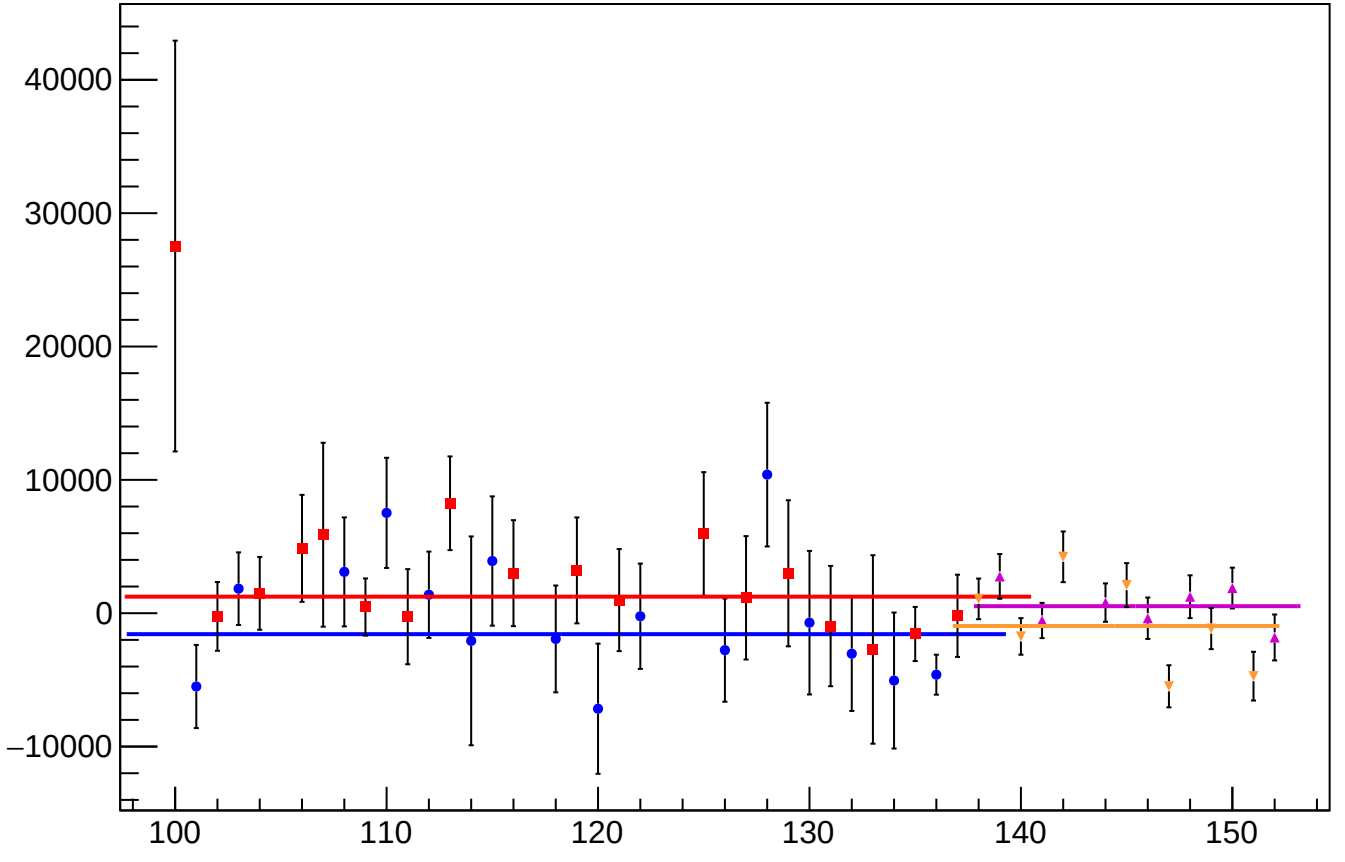
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2170.352+/-0.422 χ^2/NDF:210452.8/22

Out: 2163.052+/-0.434 χ^2/NDF:202171.8/24

All: 2166.805+/-0.302 χ^2/NDF: 412770.4/47

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: 527.031+/-579.305 χ^2/NDF:5.6/6

Left: -183.116+/-418.582 χ^2/NDF: 34.3/13

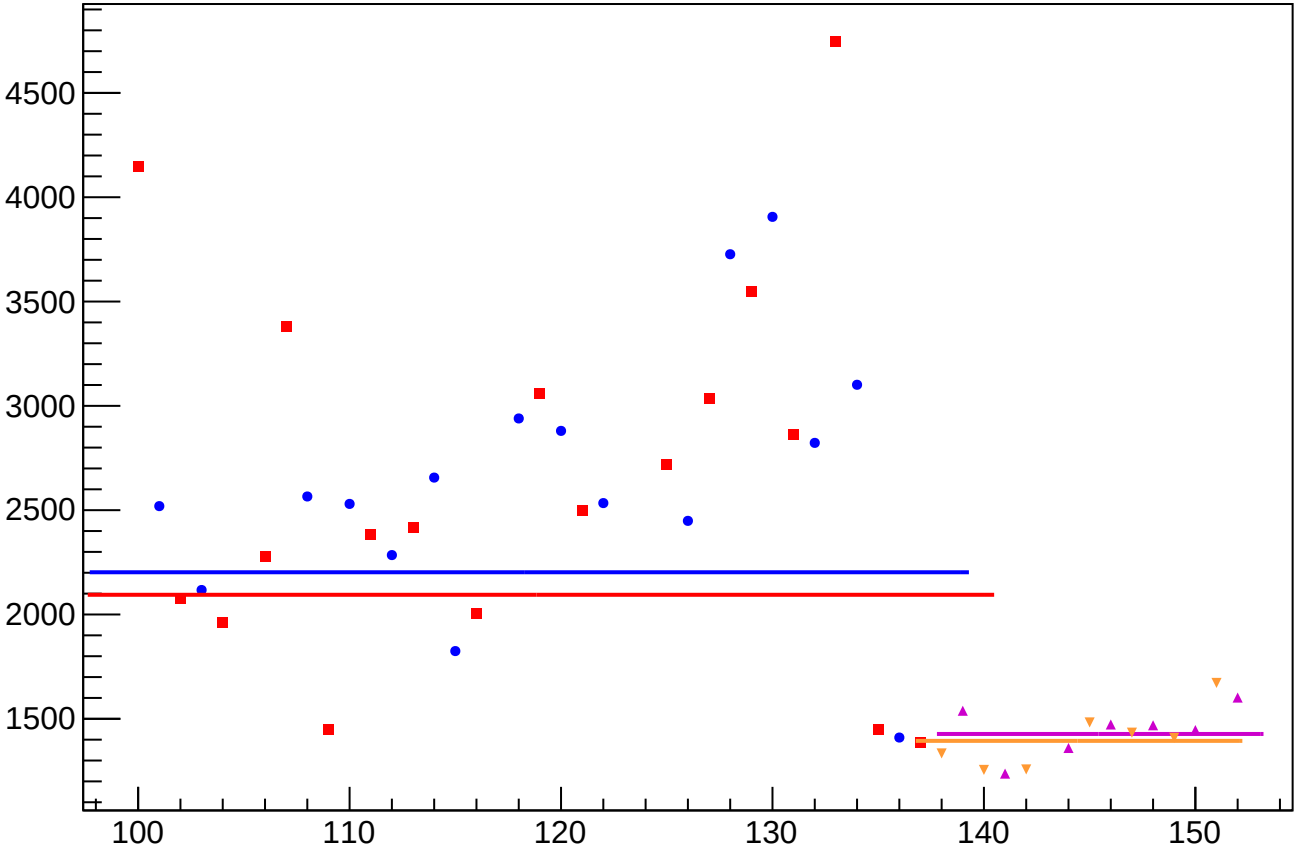
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -128.096+/-480.423 χ^2/NDF:32.3/22

Out: -182.394+/-487.044 χ^2/NDF:43.2/24

All: -154.873+/-342.027 χ^2/NDF: 75.6/47

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1394.233+/-0.428 χ^2/NDF:87413.8/6

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1427.319+/-0.410 χ^2/NDF:78464.3/6

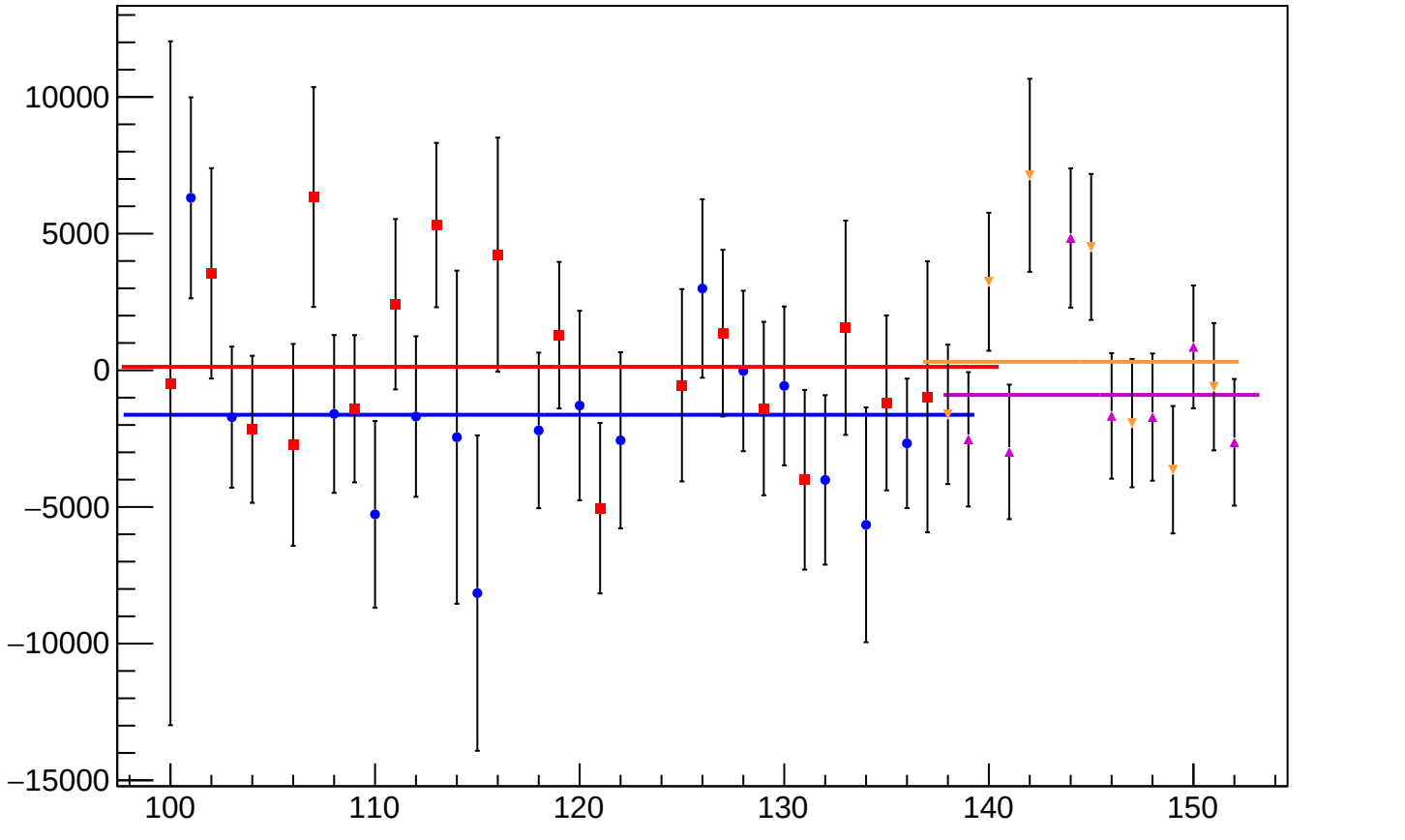
Left: 1411.507+/-0.296 χ^2/NDF: 168996.0/13

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1669.329+/-0.340 χ^2/NDF:2419280.7/22

Out: 1641.392+/-0.344 χ^2/NDF:2405194.0/24

All: 1655.552+/-0.242 χ^2/NDF: 4827810.0/47



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: -899.658+/-896.754 χ^2/NDF:7.6/6

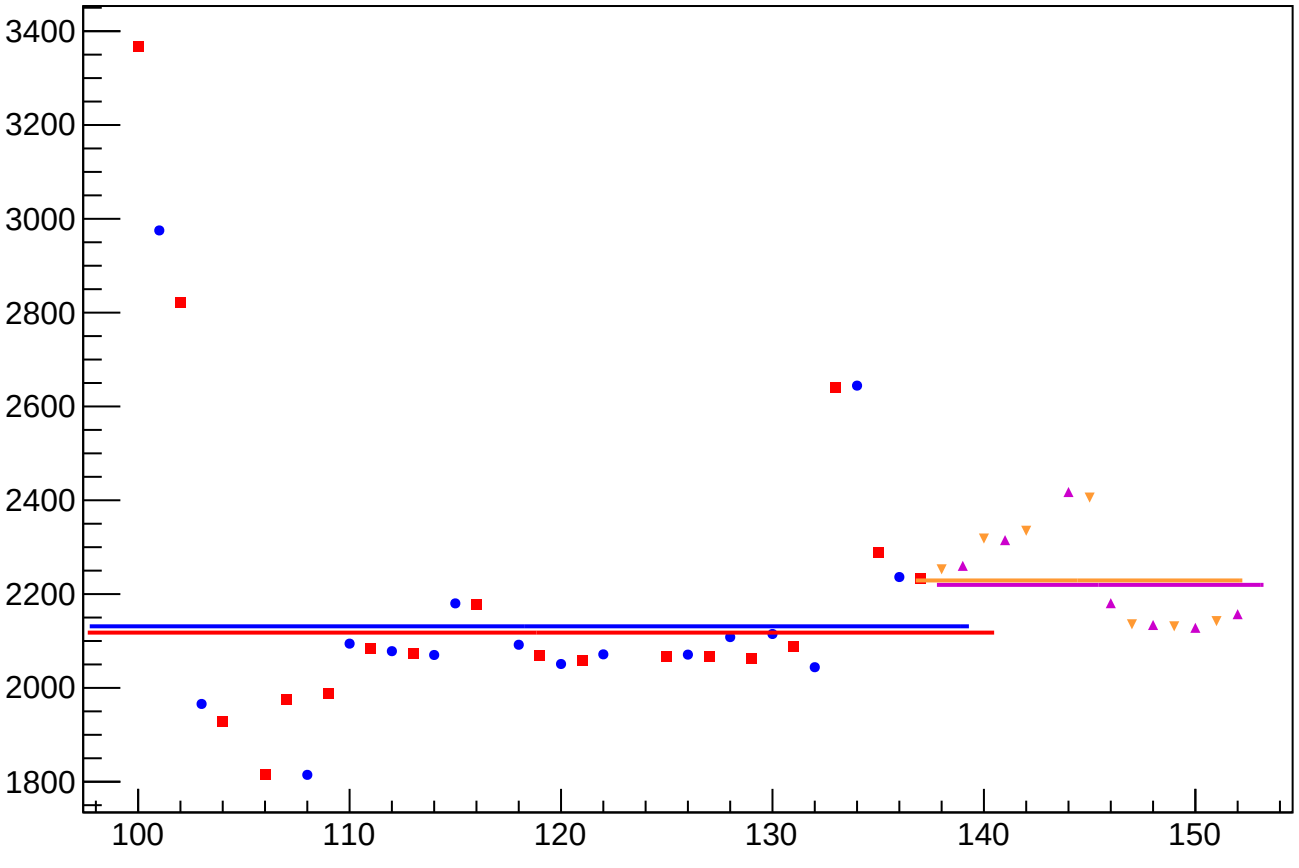
Left: -337.154+/-655.944 χ^2/NDF: 20.5/13

Right: -747.494+/-563.515 χ^2/NDF: 28.3/33

In: -1305.938+/-596.126 χ^2/NDF:19.3/22

Out: 202.068+/-613.222 χ^2/NDF:26.6/24

All: -573.248+/-427.441 χ^2/NDF: 49.1/47



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: 2219.673+/-0.634 χ^2/NDF:23669.0/6

Left: 2224.037+/-0.464 χ^2/NDF: 46457.4/13

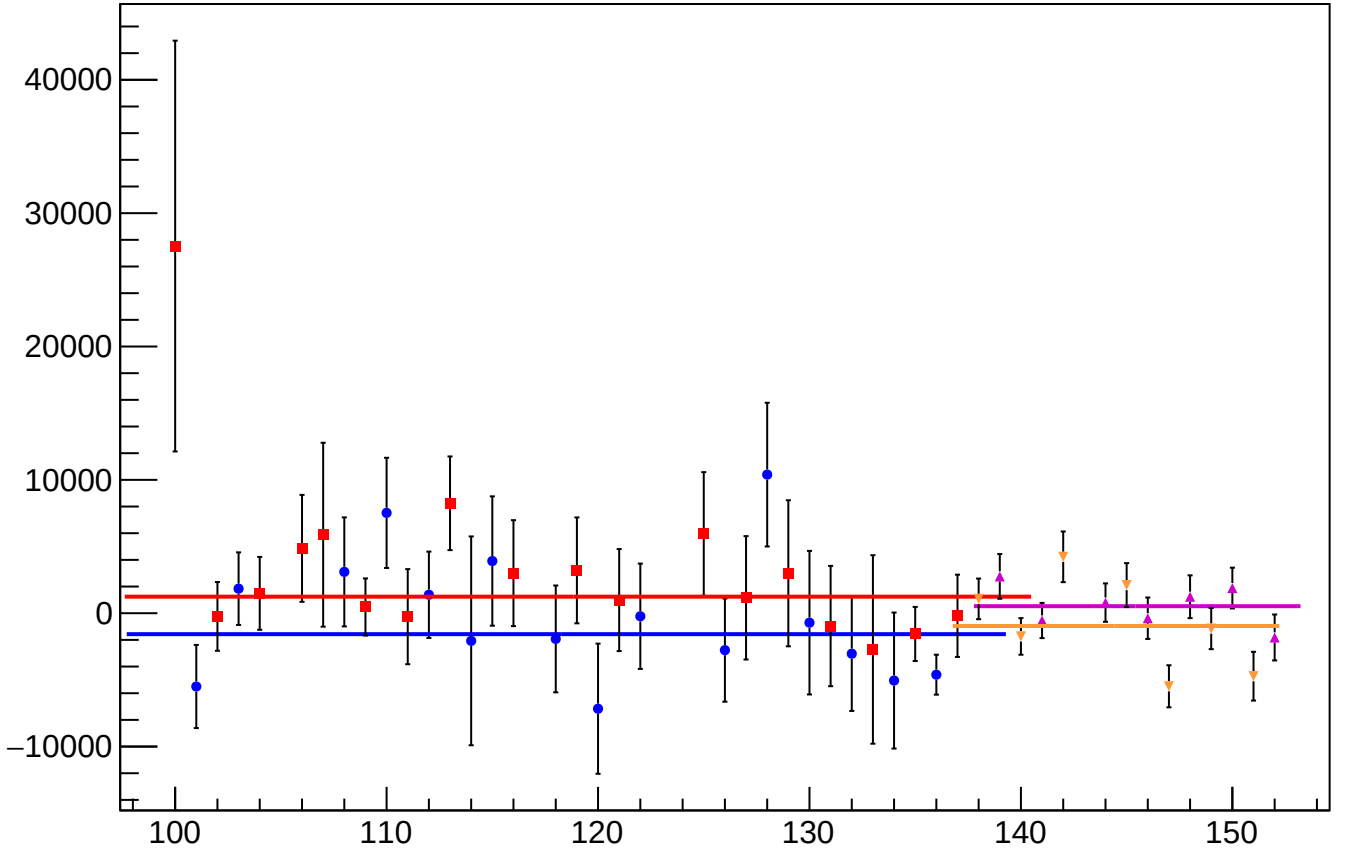
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2170.352+/-0.422 χ^2/NDF:210452.9/22

Out: 2163.052+/-0.434 χ^2/NDF:202171.8/24

All: 2166.805+/-0.302 χ^2/NDF: 412770.4/47

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: 527.031+/-579.305 χ^2/NDF:5.6/6

Left: -183.120+/-418.583 χ^2/NDF: 34.3/13

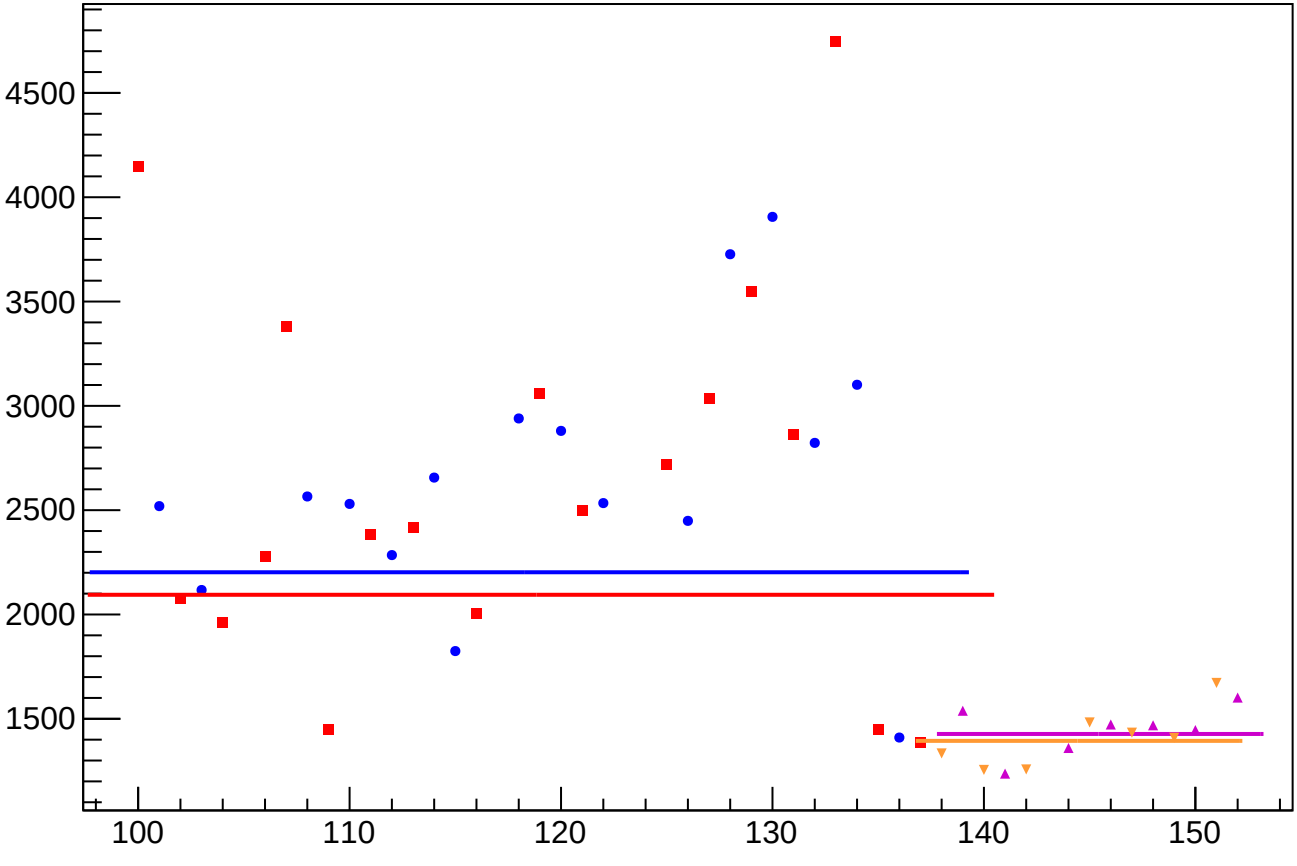
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -128.090+/-480.423 χ^2/NDF:32.3/22

Out: -182.396+/-487.046 χ^2/NDF:43.2/24

All: -154.871+/-342.028 χ^2/NDF: 75.6/47

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: 1427.320+/-0.410 χ^2/NDF:78465.6/6

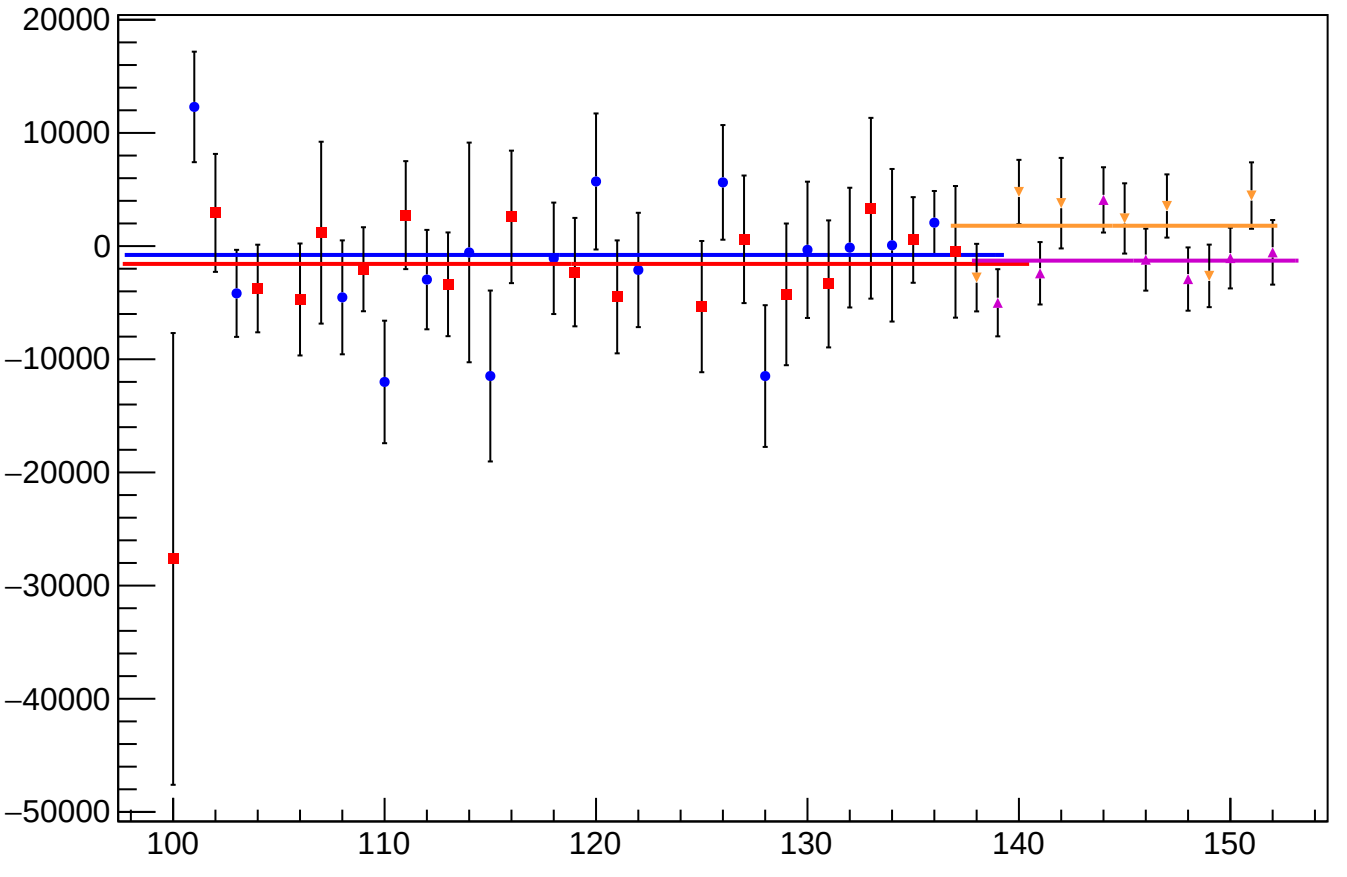
Left: 1411.510+/-0.296 χ^2/NDF: 168991.3/13

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1669.333+/-0.340 χ^2/NDF:2419250.0/22

Out: 1641.400+/-0.344 χ^2/NDF:2405151.9/24

All: 1655.557+/-0.242 χ^2/NDF: 4827736.2/47



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: -1284.740+/-1061.254 χ^2/NDF:5.6/6

Left: 154.820+/-774.828 χ^2/NDF: 17.1/13

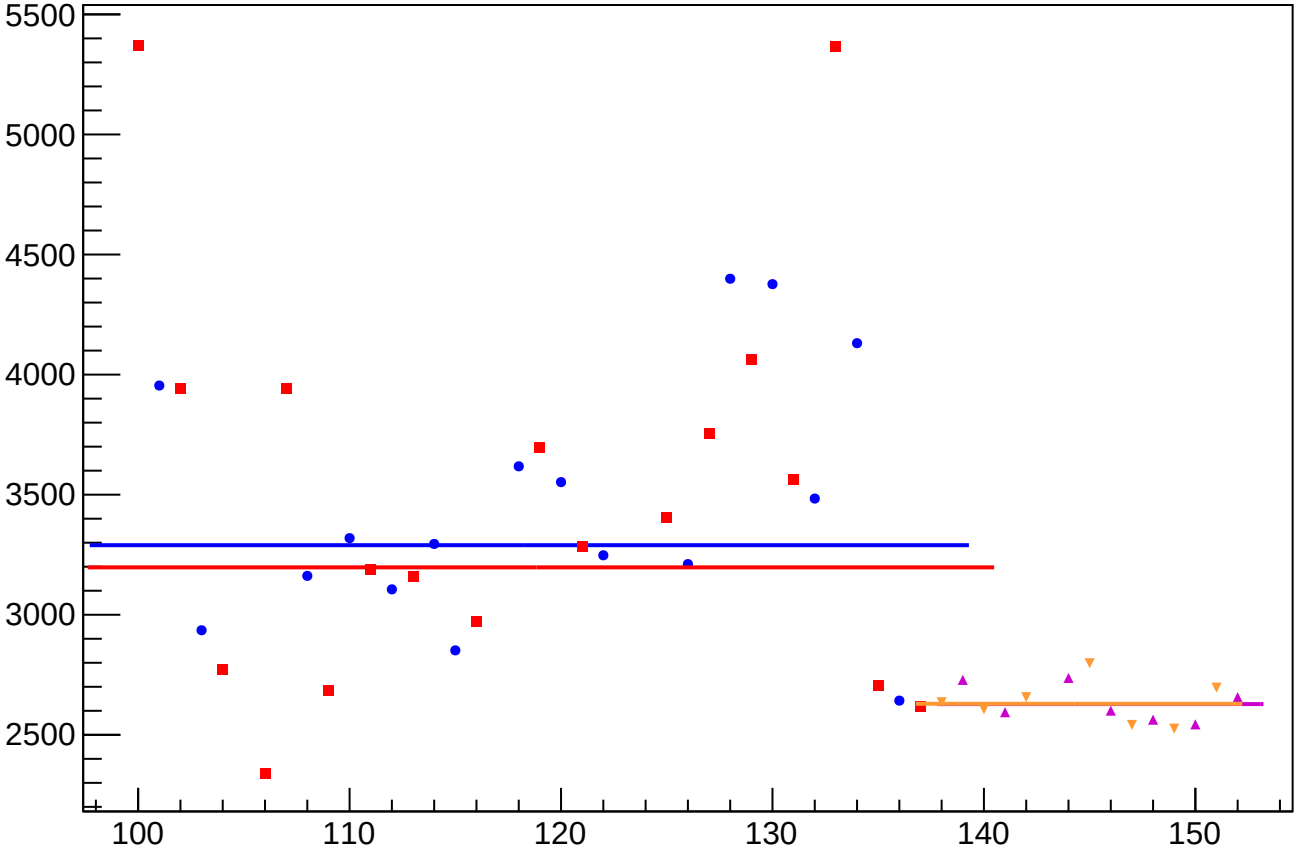
Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1072.363+/-806.749 χ^2/NDF:27.6/22

Out: 233.545+/-830.230 χ^2/NDF:18.4/24

All: -438.137+/-578.581 χ^2/NDF: 47.3/47

asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2629.289+/-0.802 χ^2/NDF:11992.1/6

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2627.991+/-0.750 χ^2/NDF:8917.2/6

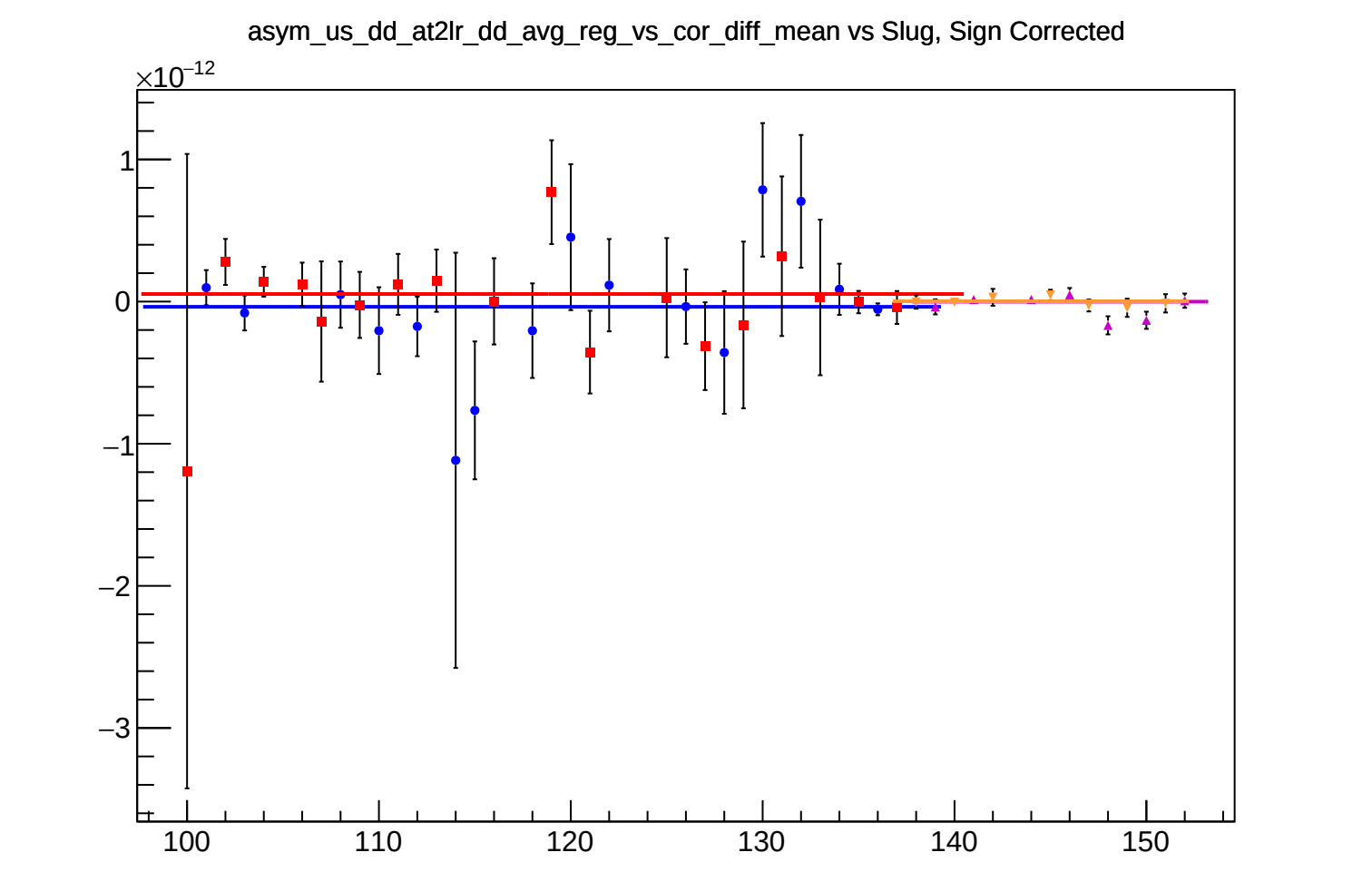
Left: 2628.597+/-0.548 χ^2/NDF: 20910.7/13

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2907.308+/-0.570 χ^2/NDF:684718.1/22

Out: 2892.824+/-0.587 χ^2/NDF:744809.2/24

All: 2900.273+/-0.409 χ^2/NDF: 1429840.3/47



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:14.0/6

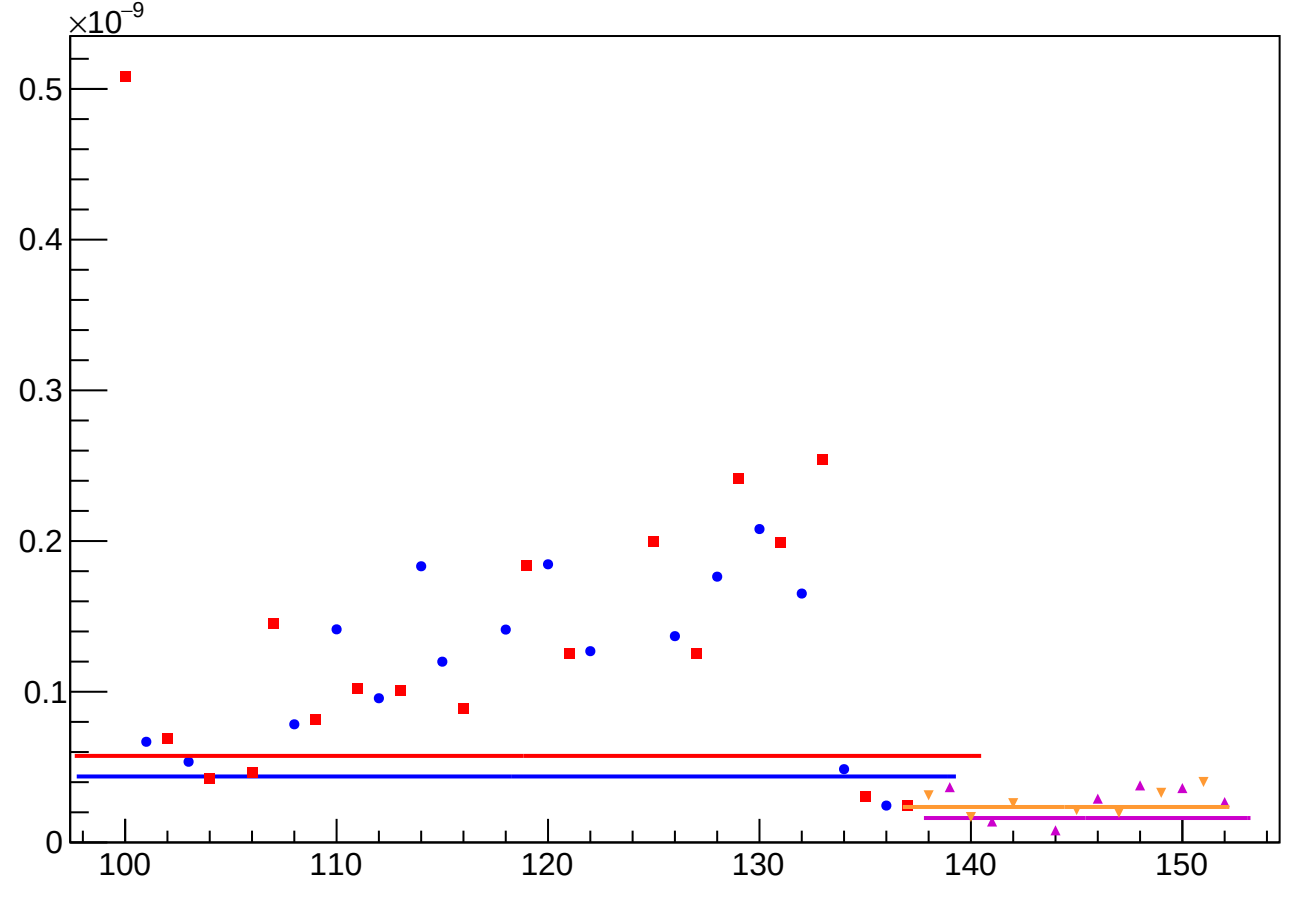
Left: 0.000+/-0.000 χ^2/NDF: 16.9/13

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:28.2/22

Out: 0.000+/-0.000 χ^2/NDF:16.6/24

All: 0.000+/-0.000 χ^2/NDF: 45.3/47



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:1403146.1/6

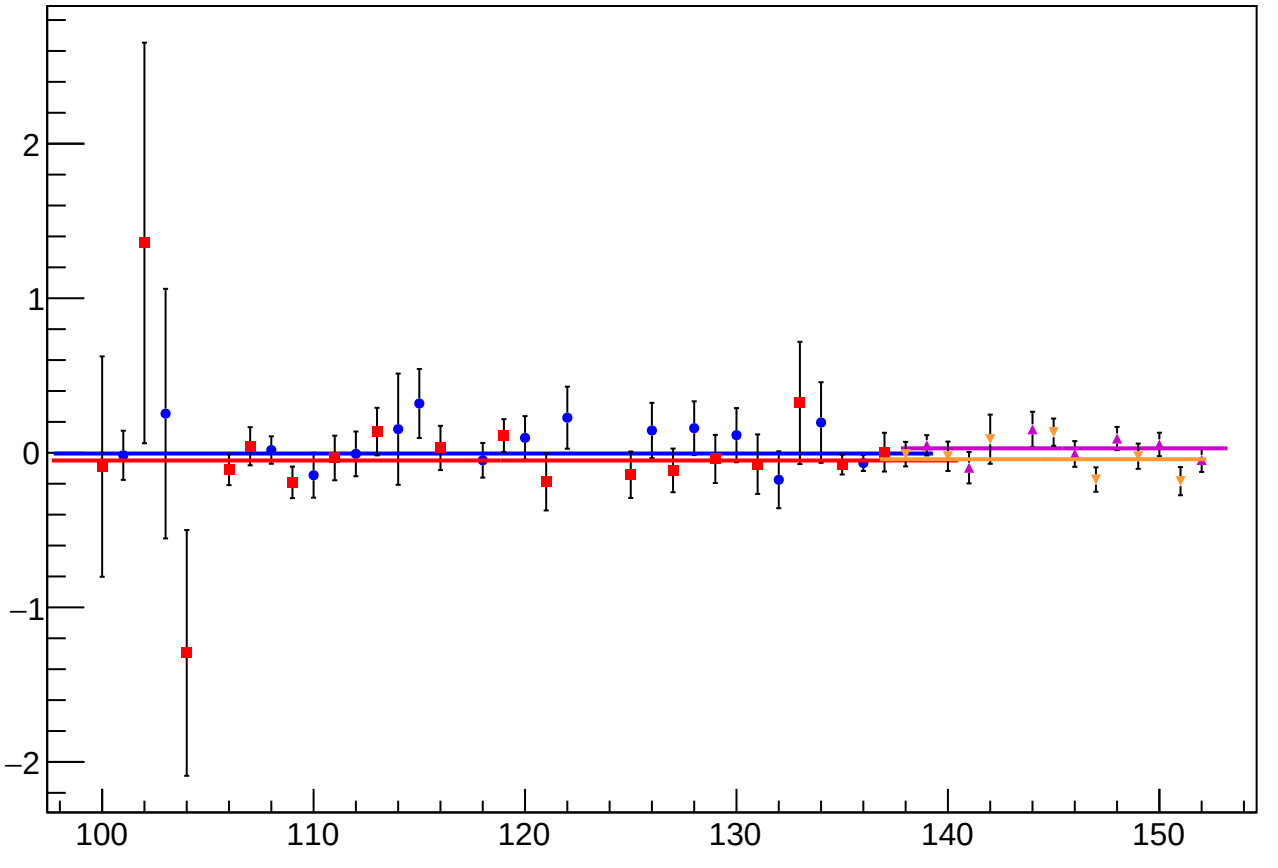
Left: 0.000+/-0.000 χ^2/NDF: 1991237.1/13

Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:4758558.5/22

Out: 0.000+/-0.000 χ^2/NDF:3498982.6/24

All: 0.000+/-0.000 χ^2/NDF: 8611714.7/47



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: 0.029+/-0.031 χ^2/NDF:4.7/6

Left: -0.003+/-0.023 χ^2/NDF: 17.1/13

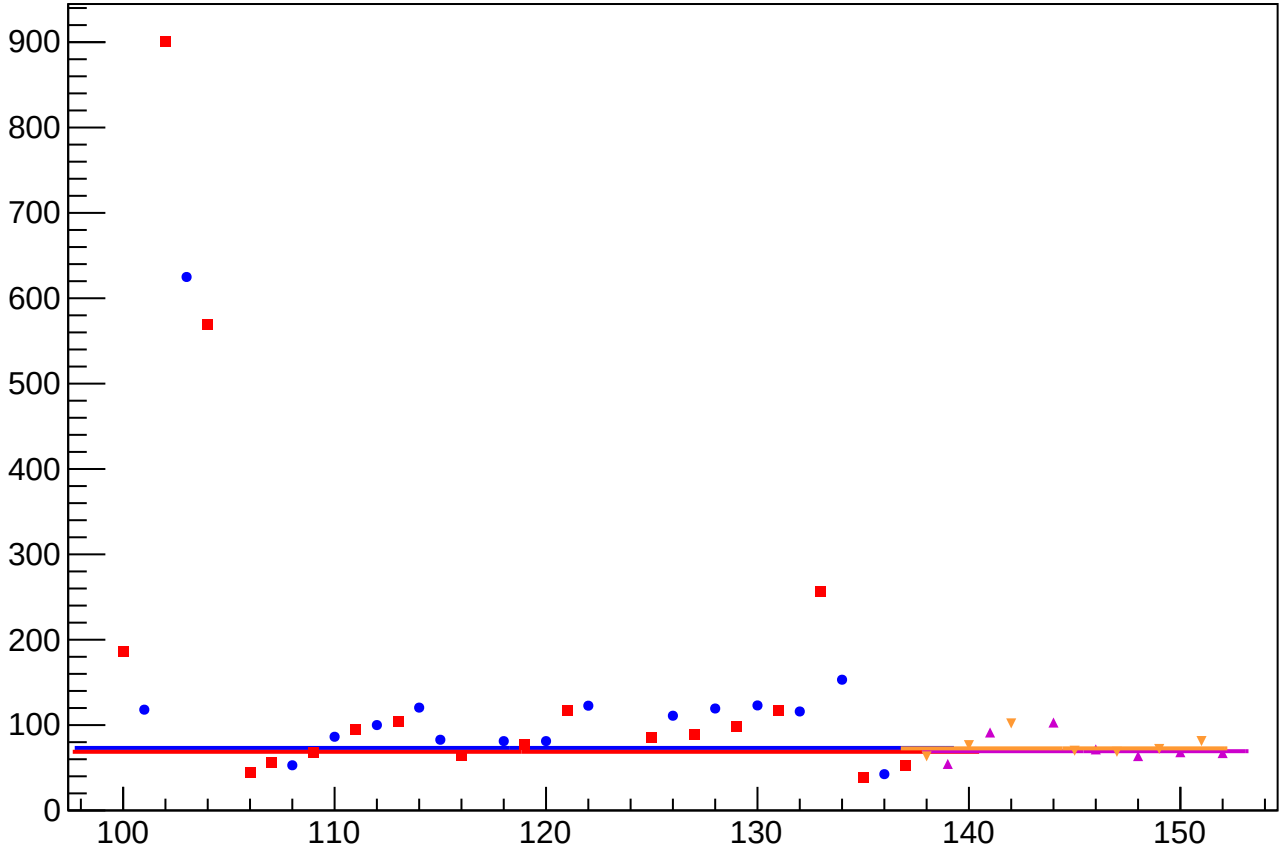
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.013+/-0.022 χ^2/NDF:15.6/22

Out: -0.046+/-0.023 χ^2/NDF:23.1/24

All: -0.015+/-0.016 χ^2/NDF: 42.1/47

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: 69.418+/-0.022 χ^2/NDF:385289.5/6

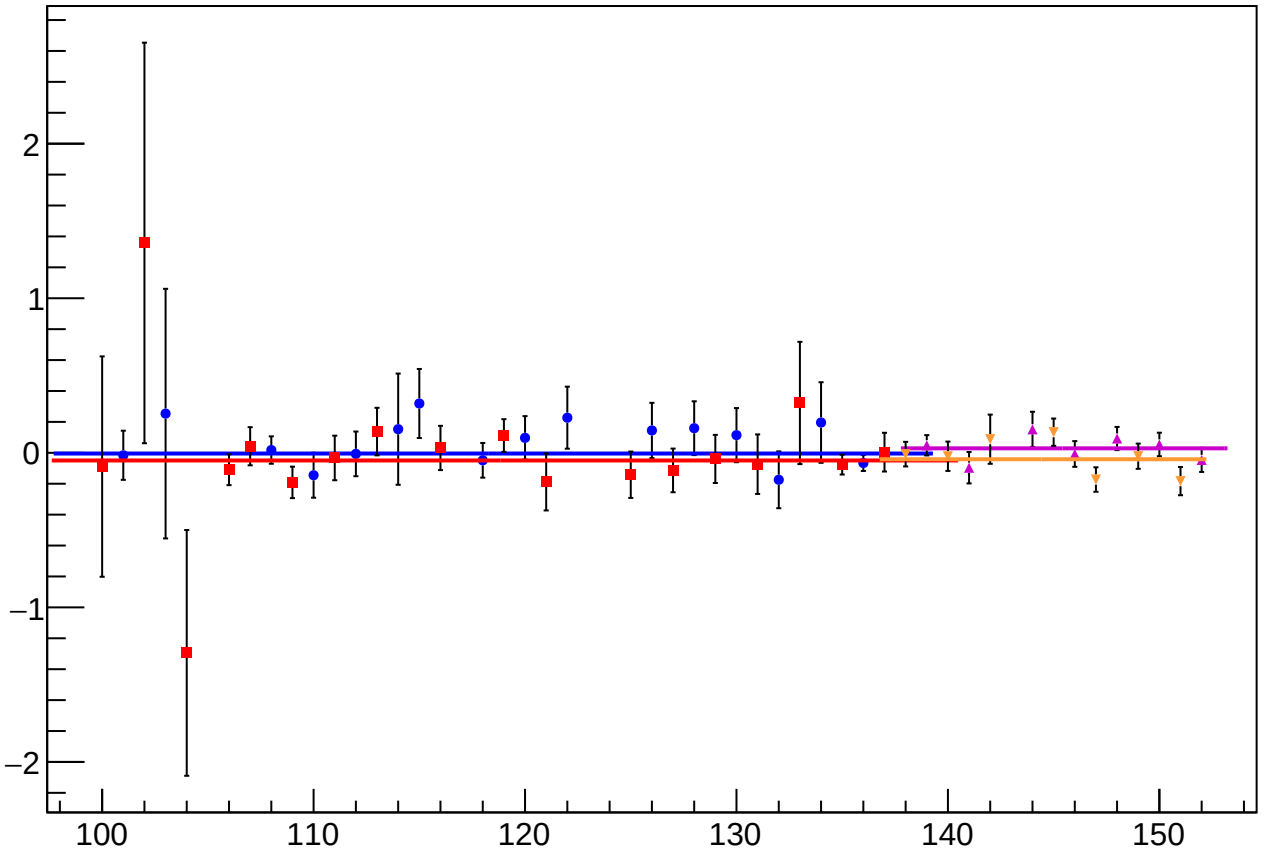
Left: 70.907+/-0.016 χ^2/NDF: 519162.3/13

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

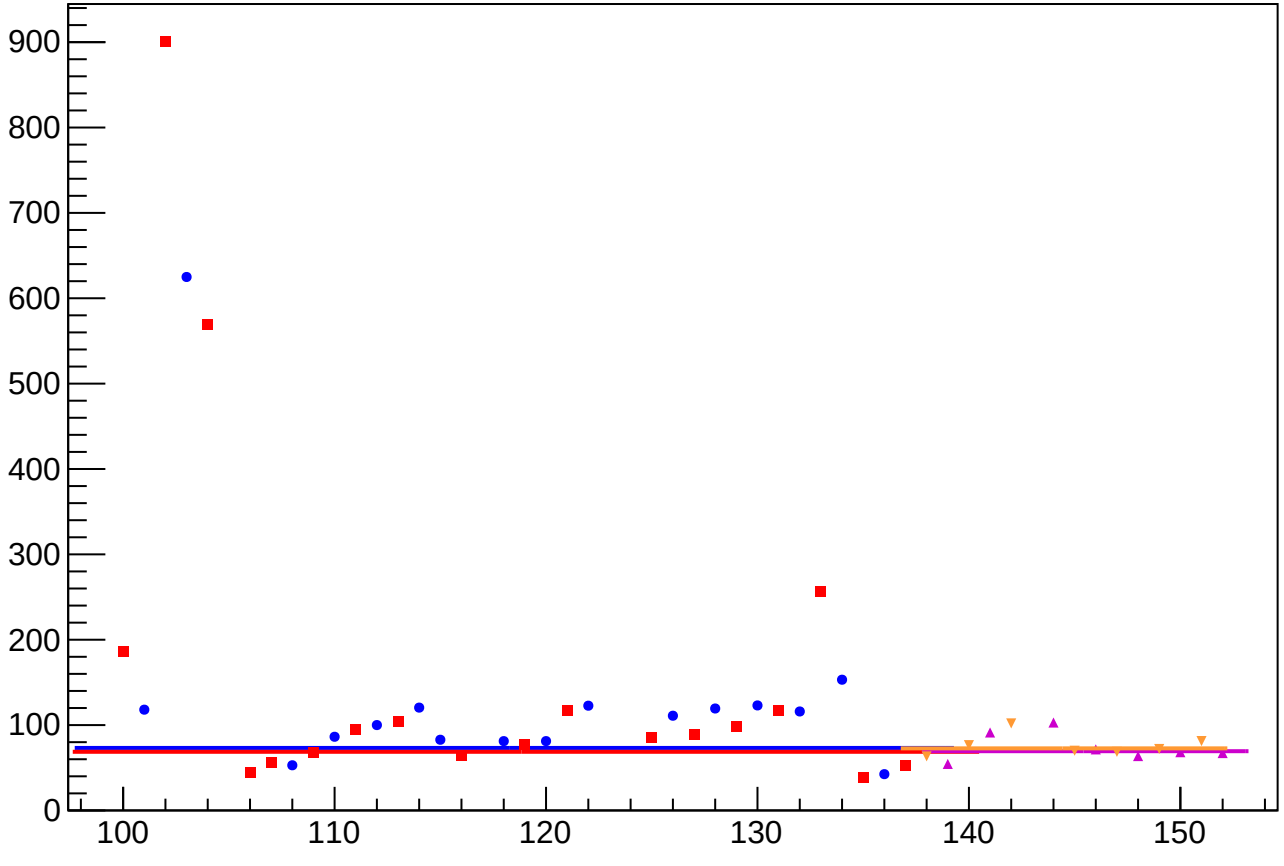
In: 71.229+/-0.016 χ^2/NDF:3254628.9/22

Out: 70.590+/-0.016 χ^2/NDF:3470023.2/24

All: 70.923+/-0.011 χ^2/NDF: 6725446.1/47


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: 0.029+/-0.031 χ²/NDF:4.7/6
Left: -0.003+/-0.023 χ²/NDF: 17.1/13
Right: -0.027+/-0.023 χ²/NDF: 24.3/33
In: 0.013+/-0.022 χ²/NDF:15.6/22
Out: -0.046+/-0.023 χ²/NDF:23.1/24
All: -0.015+/-0.016 χ²/NDF: 42.1/47

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: 69.418+/-0.022 χ^2/NDF:385289.5/6

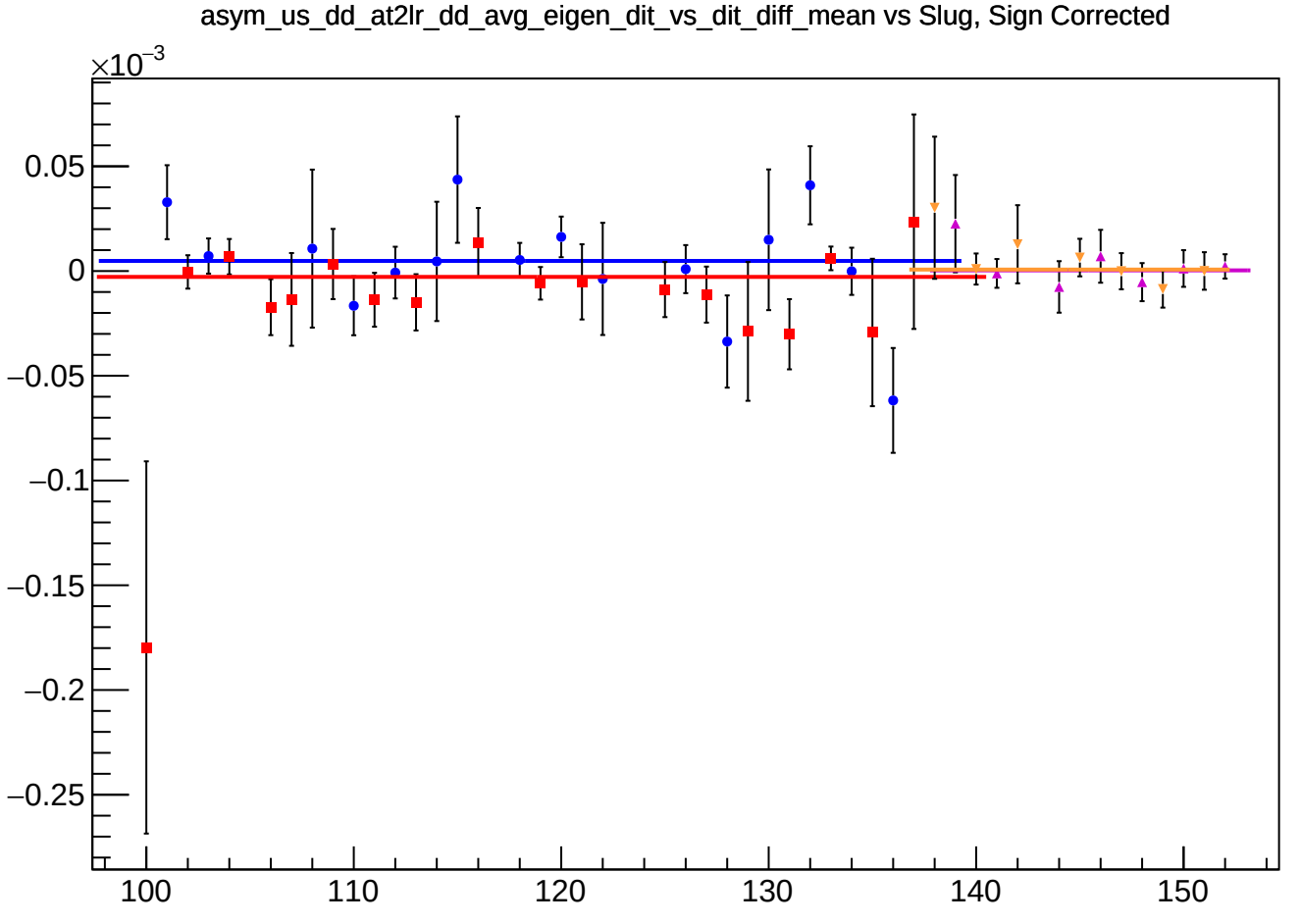
Left: 70.907+/-0.016 χ^2/NDF: 519162.3/13

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.229+/-0.016 χ^2/NDF:3254628.9/22

Out: 70.590+/-0.016 χ^2/NDF:3470023.2/24

All: 70.923+/-0.011 χ^2/NDF: 6725446.1/47



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:2.2/6

Left: 0.000+/-0.000 χ^2/NDF: 4.9/13

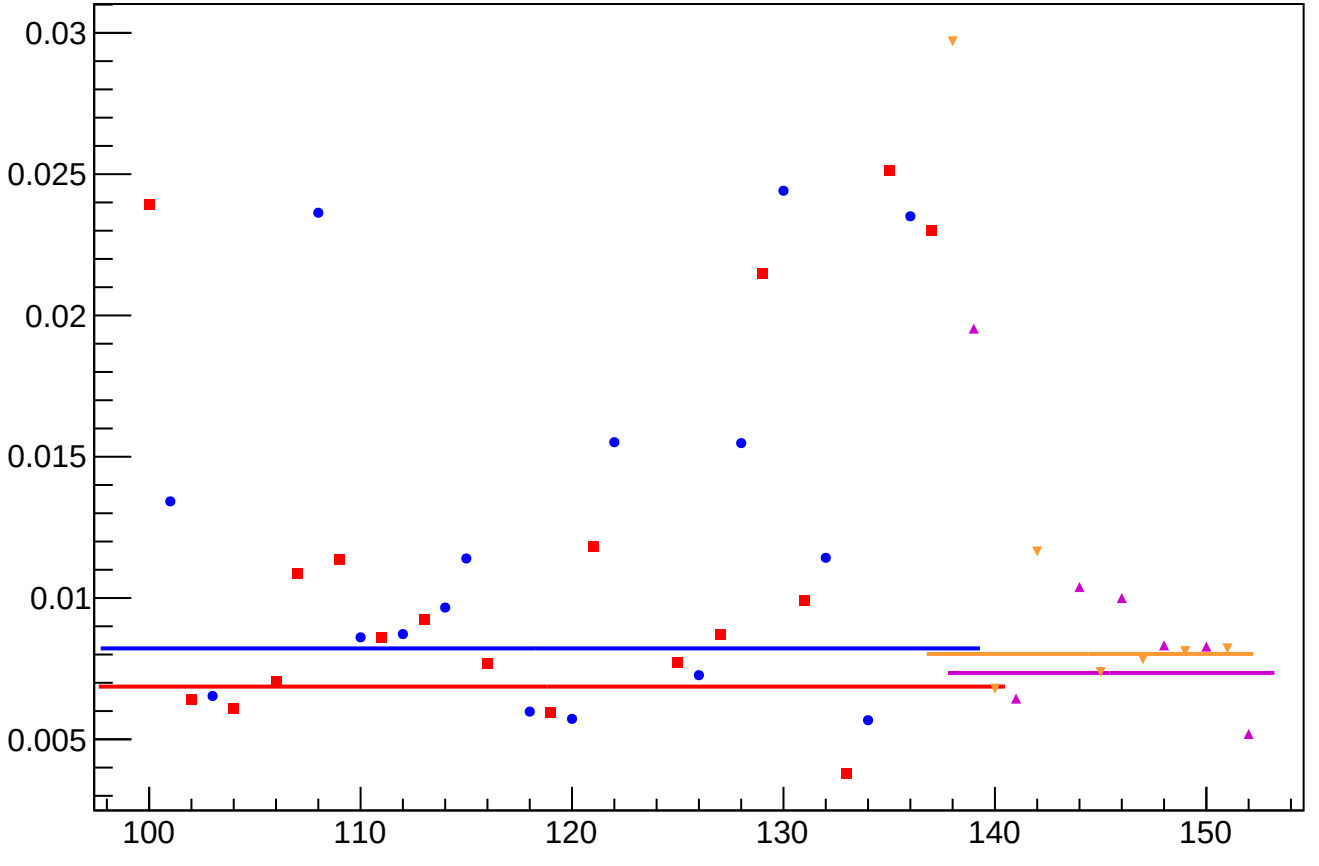
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:25.6/22

Out: -0.000+/-0.000 χ^2/NDF:20.0/24

All: 0.000+/-0.000 χ^2/NDF: 47.1/47

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: 0.007+/-0.000 χ^2/NDF:1118719.0/6

Left: 0.008+/-0.000 χ^2/NDF: 2114784.7/13

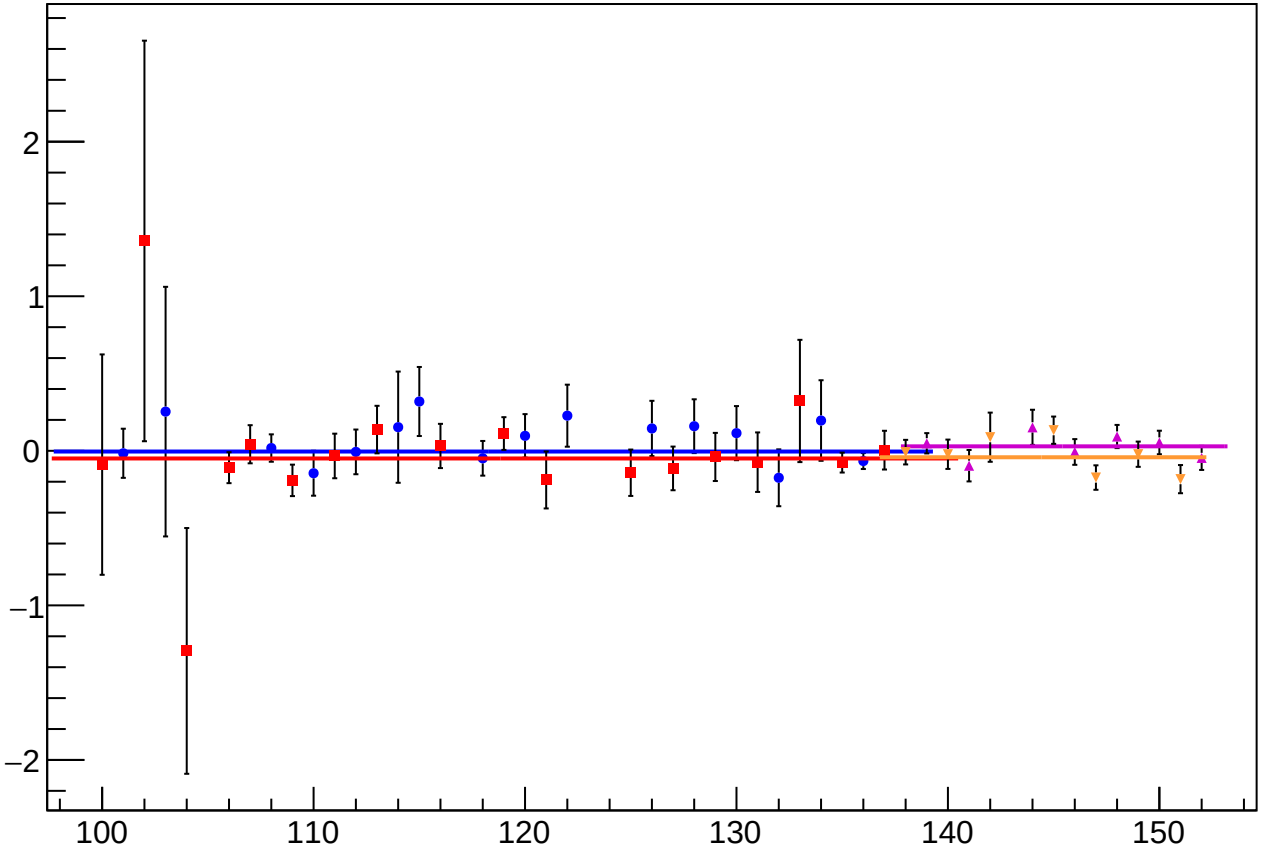
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.008+/-0.000 χ^2/NDF:3839954.6/22

Out: 0.007+/-0.000 χ^2/NDF:3508781.9/24

All: 0.008+/-0.000 χ^2/NDF: 7389209.0/47

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: 0.029+/-0.031 χ^2/NDF:4.7/6

Left: -0.003+/-0.023 χ^2/NDF: 17.1/13

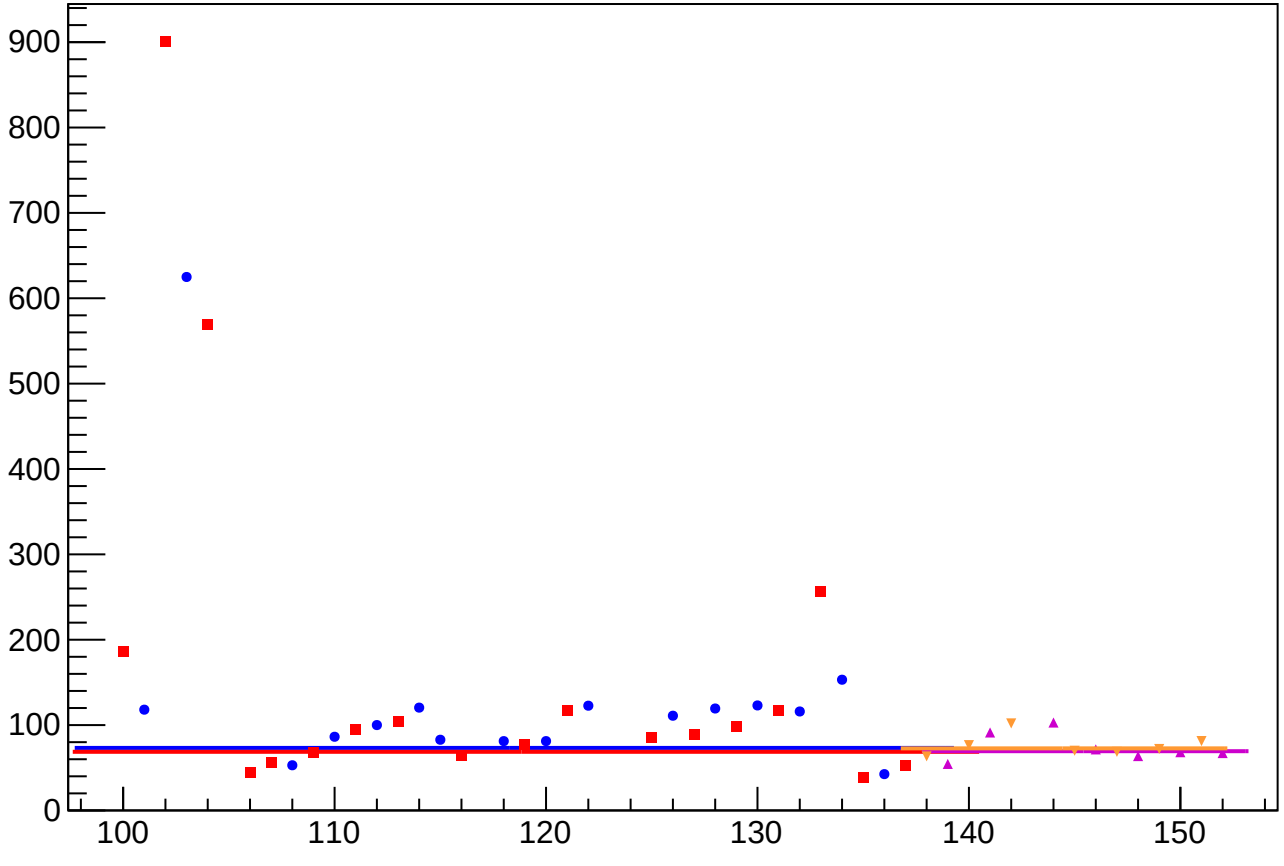
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.013+/-0.022 χ^2/NDF:15.6/22

Out: -0.046+/-0.023 χ^2/NDF:23.1/24

All: -0.015+/-0.016 χ^2/NDF: 42.1/47

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: 69.420+/-0.022 χ^2/NDF:385080.6/6

Left: 70.909+/-0.016 χ^2/NDF: 518942.9/13

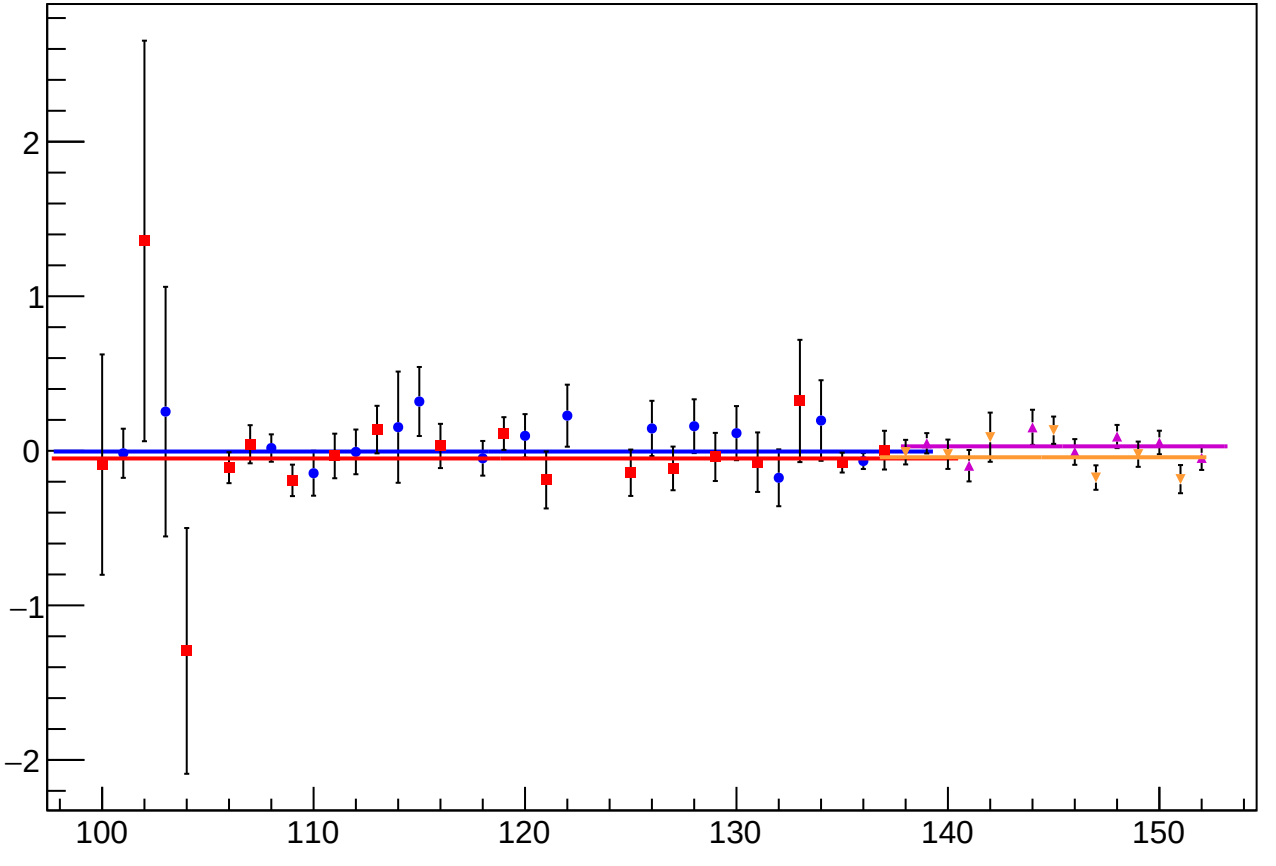
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.242+/-0.016 χ^2/NDF:3252297.3/22

Out: 70.584+/-0.016 χ^2/NDF:3471114.8/24

All: 70.927+/-0.011 χ^2/NDF: 6724253.0/47

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: 0.029+/-0.031 χ^2/NDF:4.7/6

Left: -0.003+/-0.023 χ^2/NDF: 17.1/13

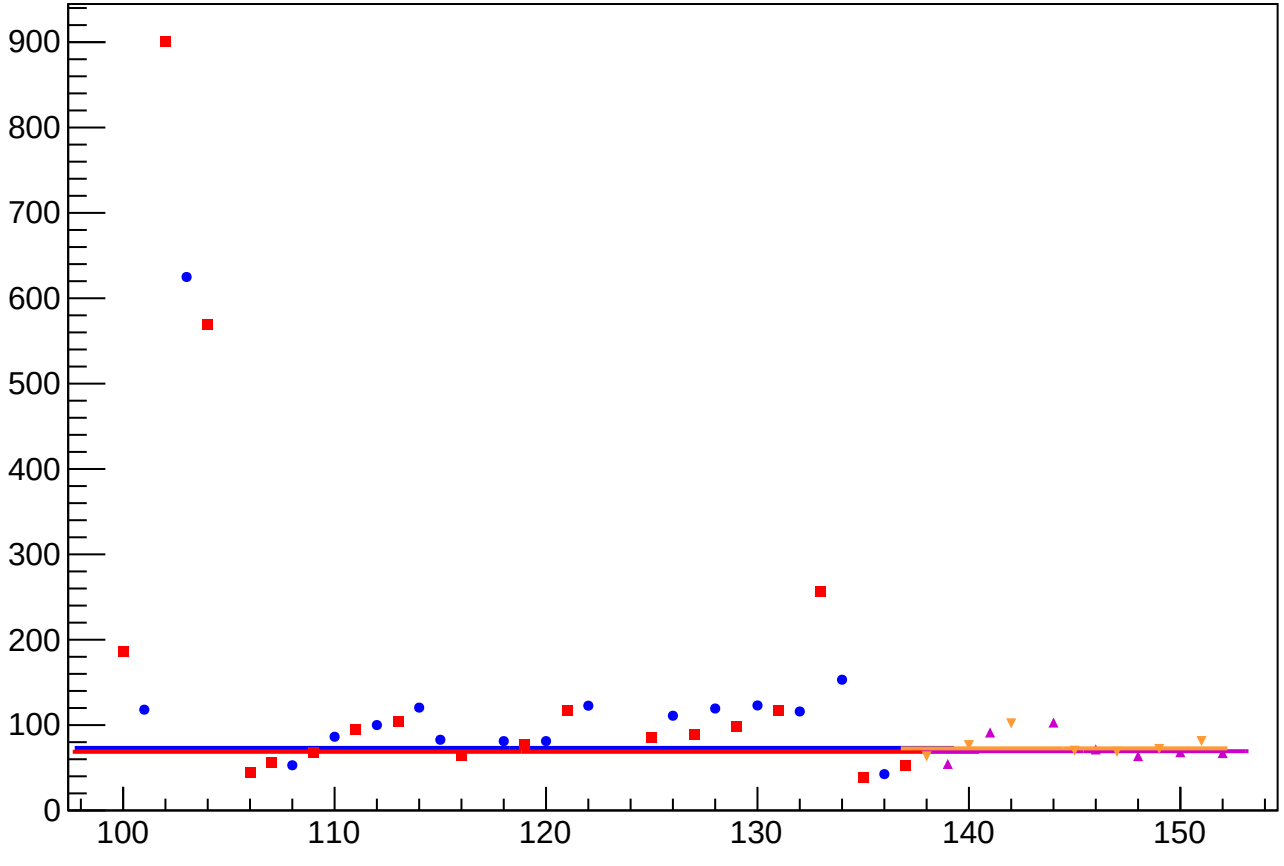
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.013+/-0.022 χ^2/NDF:15.6/22

Out: -0.046+/-0.023 χ^2/NDF:23.1/24

All: -0.015+/-0.016 χ^2/NDF: 42.1/47

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: 69.420+/-0.022 χ^2/NDF:385080.6/6

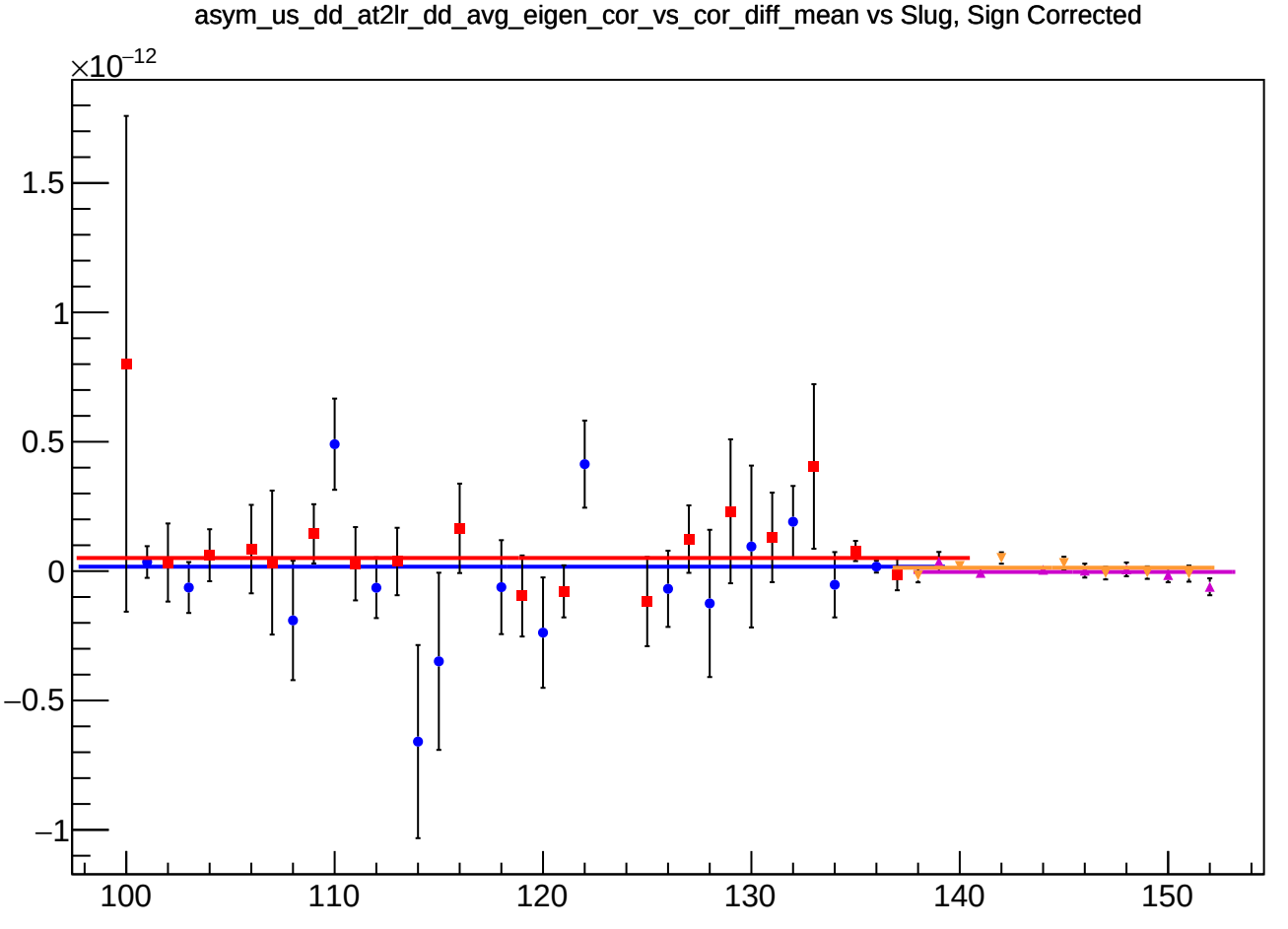
Left: 70.909+/-0.016 χ^2/NDF: 518942.9/13

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.242+/-0.016 χ^2/NDF:3252297.3/22

Out: 70.584+/-0.016 χ^2/NDF:3471114.8/24

All: 70.927+/-0.011 χ^2/NDF: 6724253.0/47



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:4.8/6

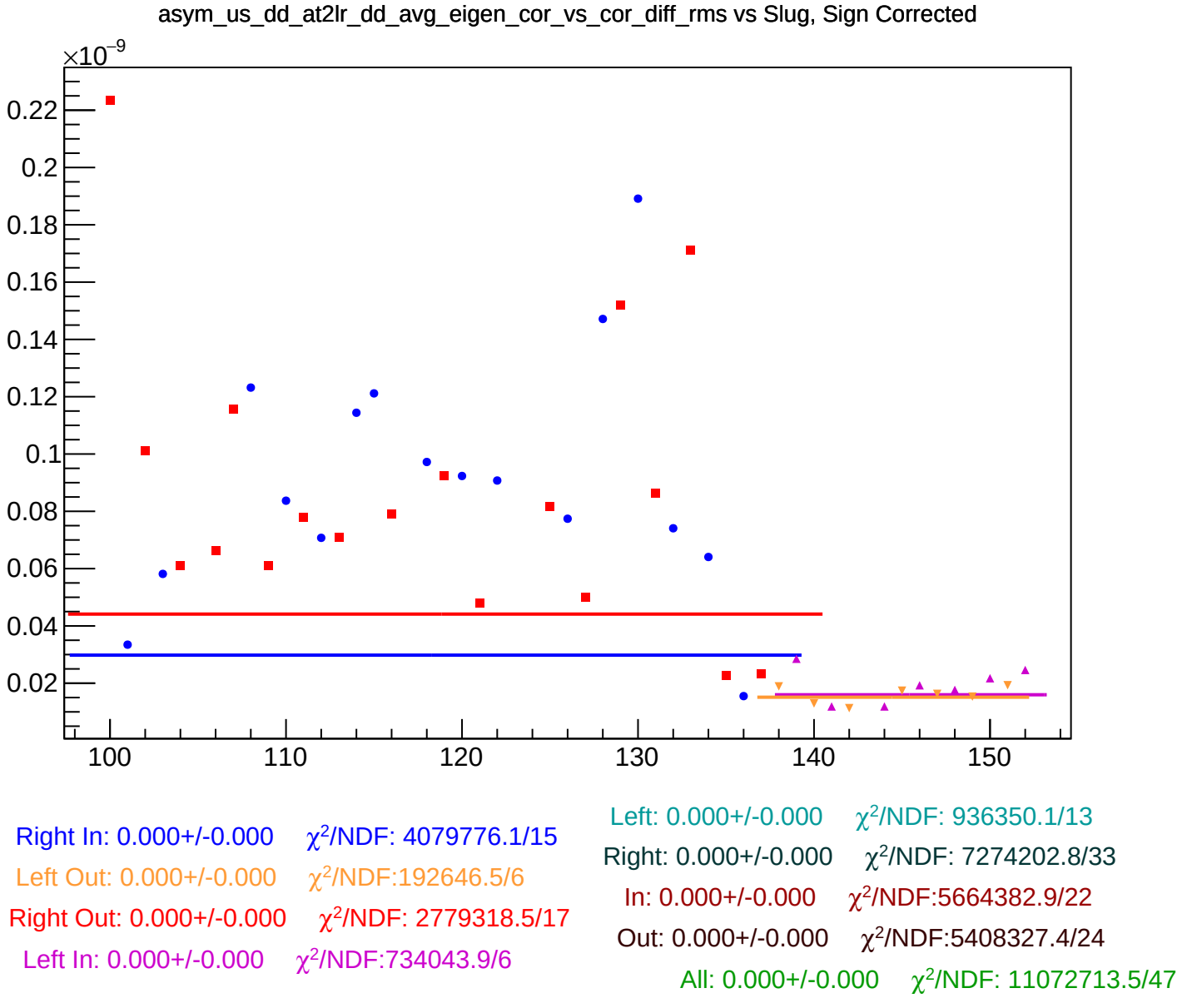
Left: 0.000+/-0.000 χ^2/NDF: 13.3/13

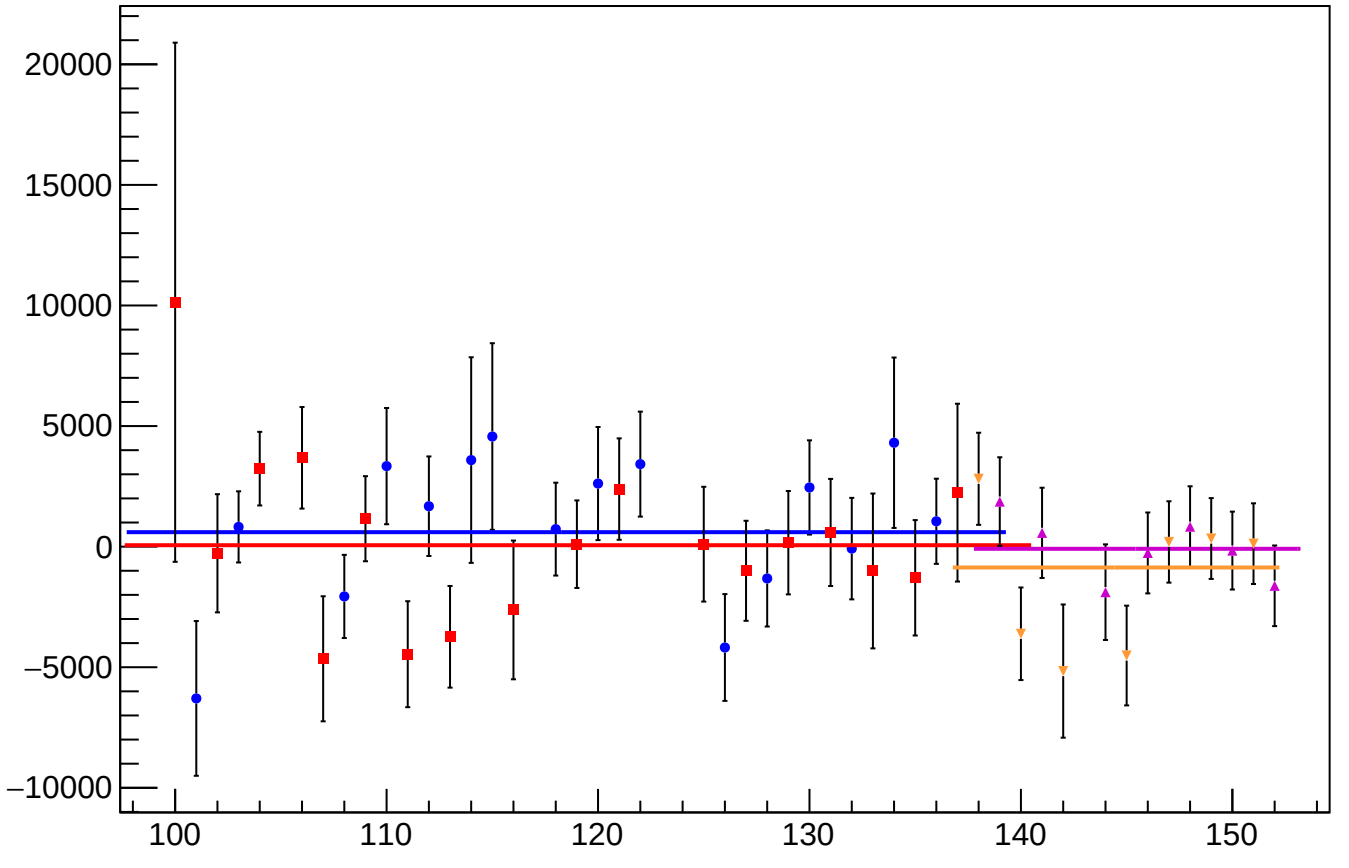
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:29.1/22

Out: 0.000+/-0.000 χ^2/NDF:17.8/24

All: 0.000+/-0.000 χ^2/NDF: 49.2/47


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:734043.9/6
Left: 0.000+/-0.000 χ²/NDF: 936350.1/13
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:5664382.9/22
Out: 0.000+/-0.000 χ²/NDF:5408327.4/24
All: 0.000+/-0.000 χ²/NDF: 11072713.5/47



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: -89.319+/-660.916 χ^2/NDF:3.2/6

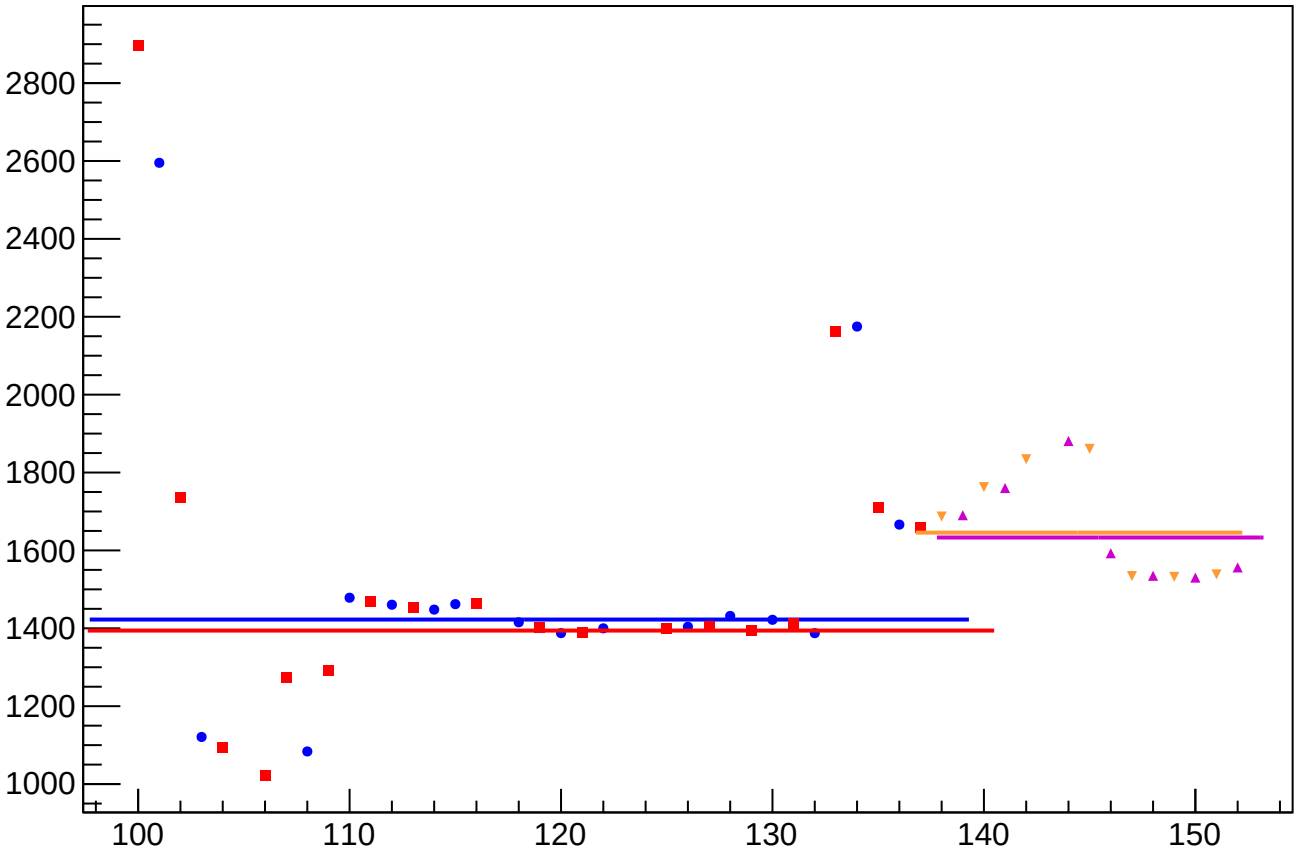
Left: -448.607+/-484.233 χ^2/NDF: 16.4/13

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 324.104+/-418.194 χ^2/NDF:24.2/22

Out: -270.850+/-425.142 χ^2/NDF:36.2/24

All: 31.529+/-298.134 χ^2/NDF: 61.4/47



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: 1633.116+/-0.467 χ^2/NDF:62788.7/6

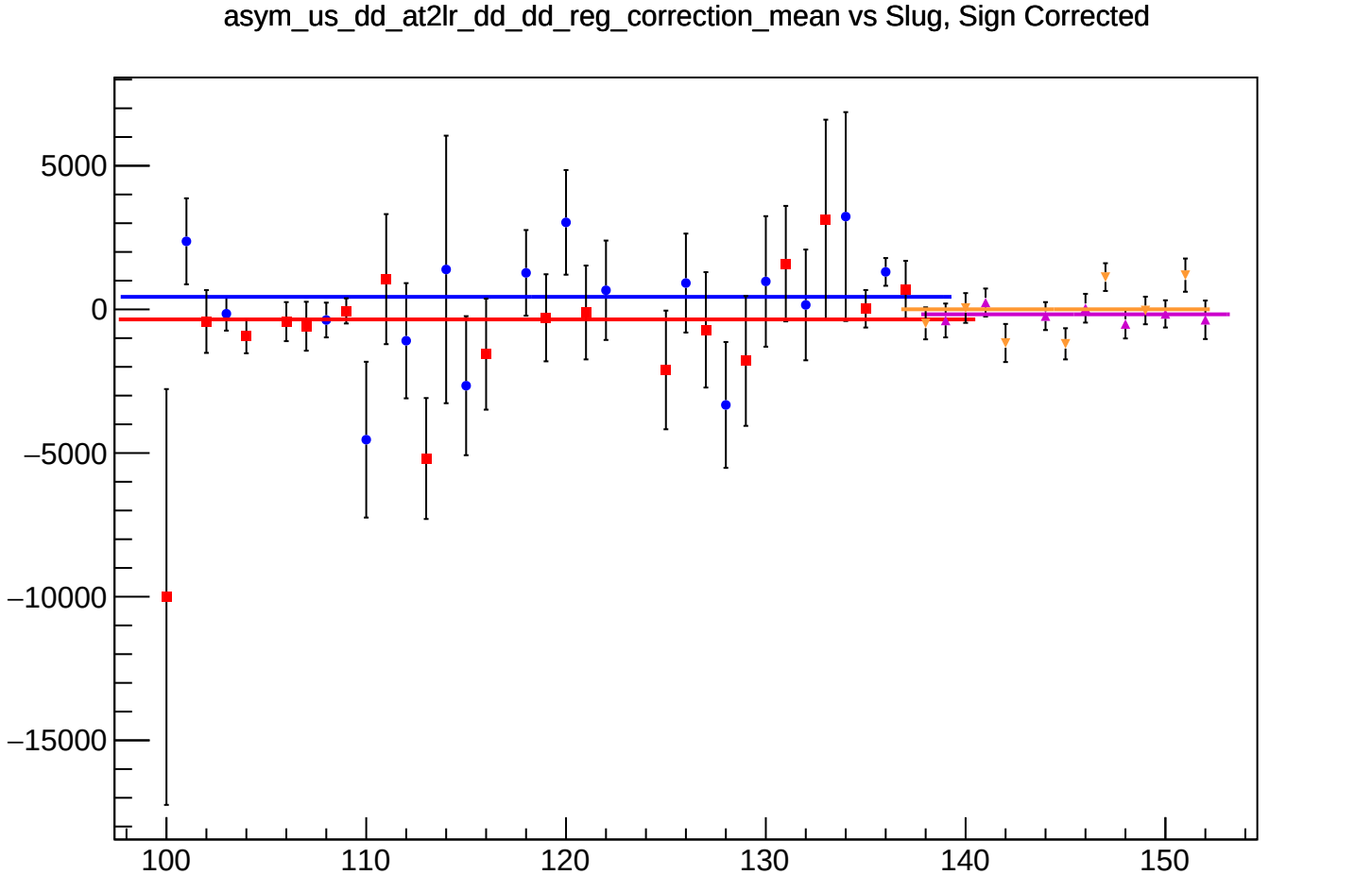
Left: 1638.937+/-0.342 χ^2/NDF: 128565.1/13

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1506.833+/-0.296 χ^2/NDF:744818.3/22

Out: 1483.972+/-0.301 χ^2/NDF:619796.8/24

All: 1495.591+/-0.211 χ^2/NDF: 1367554.2/47



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: -171.167+/-196.326 χ^2/NDF:1.6/6

Left: -86.372+/-141.139 χ^2/NDF: 20.4/13

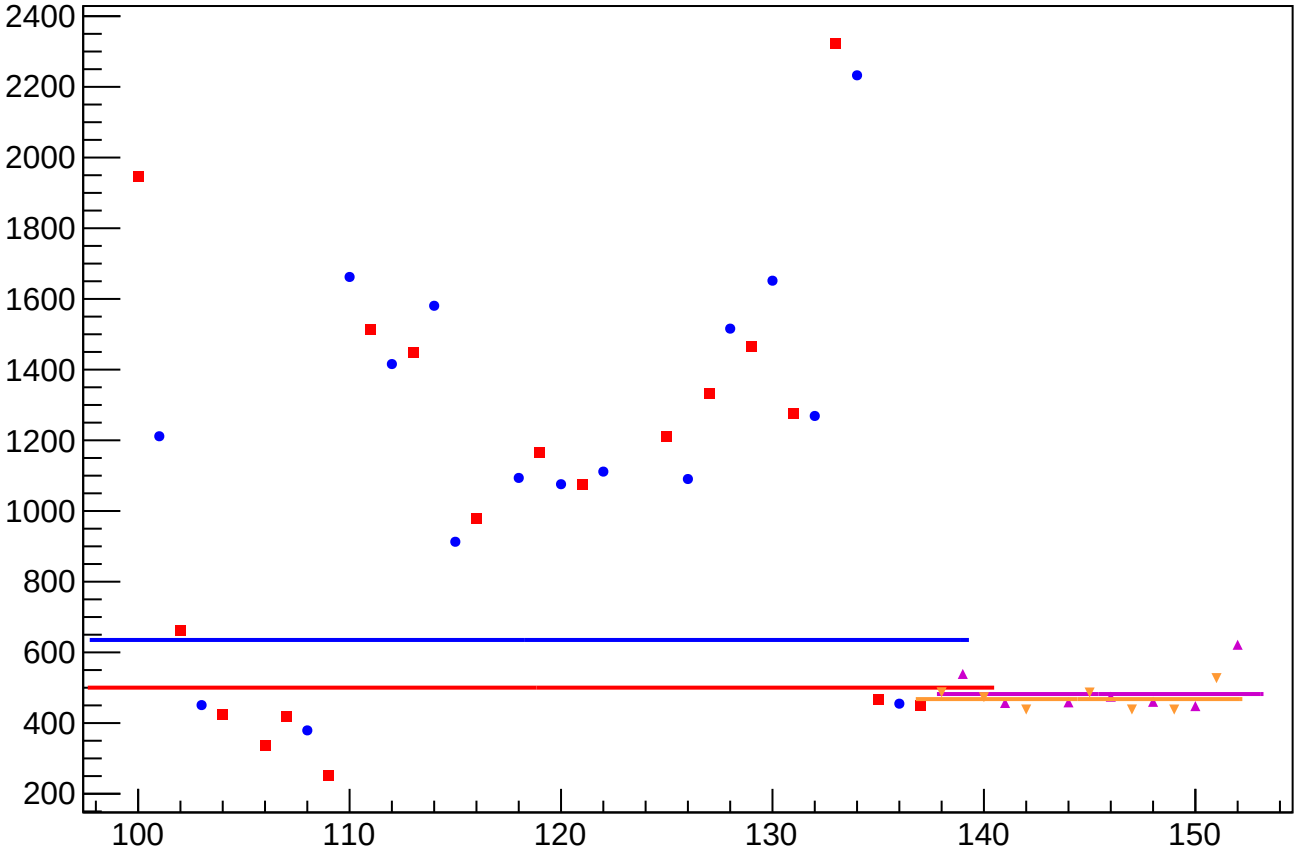
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 33.084+/-159.964 χ^2/NDF:24.1/22

Out: -147.439+/-153.287 χ^2/NDF:33.7/24

All: -61.024+/-110.676 χ^2/NDF: 58.5/47

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: 482.166+/-0.139 χ^2/NDF:129912.2/6

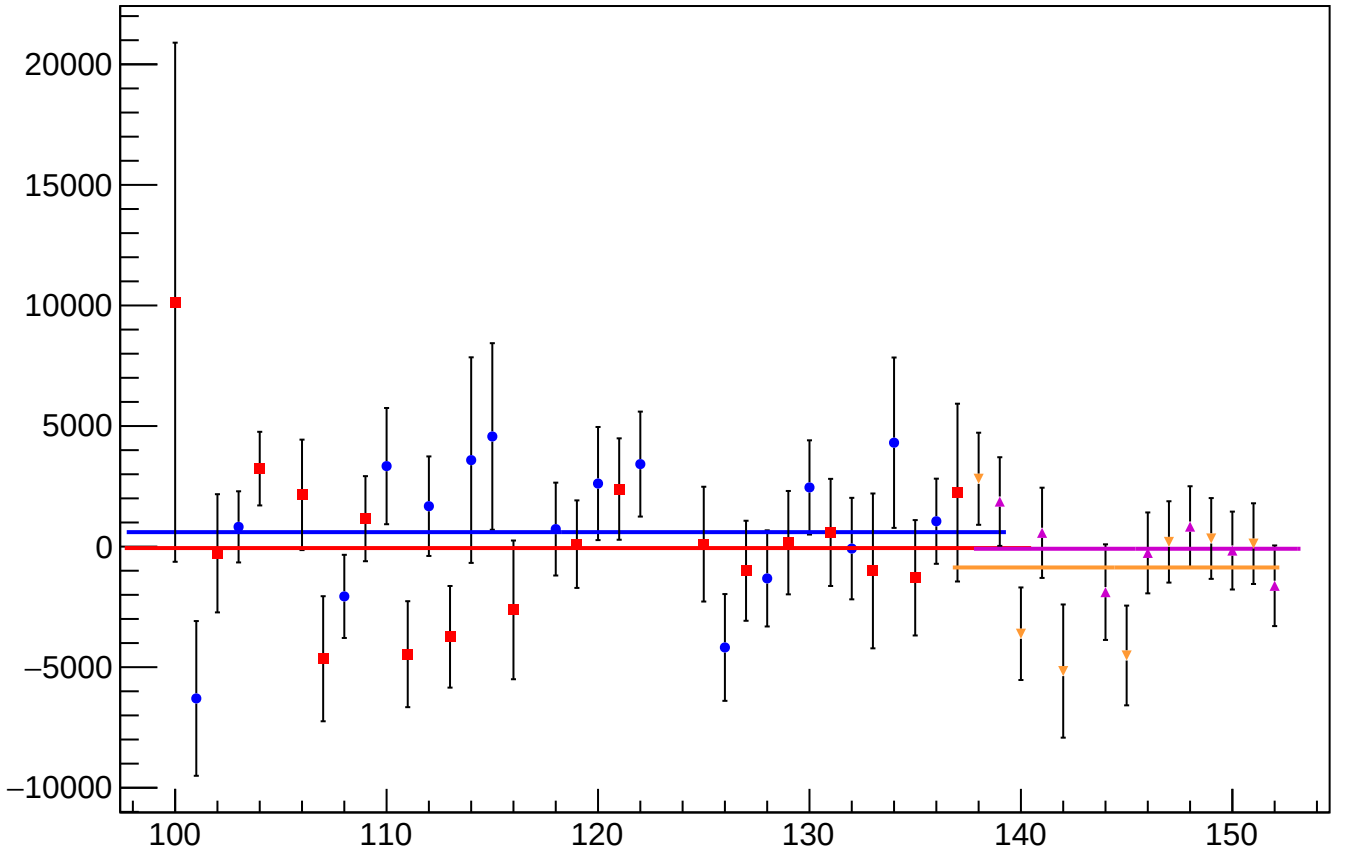
Left: 475.247+/-0.100 χ^2/NDF: 179996.4/13

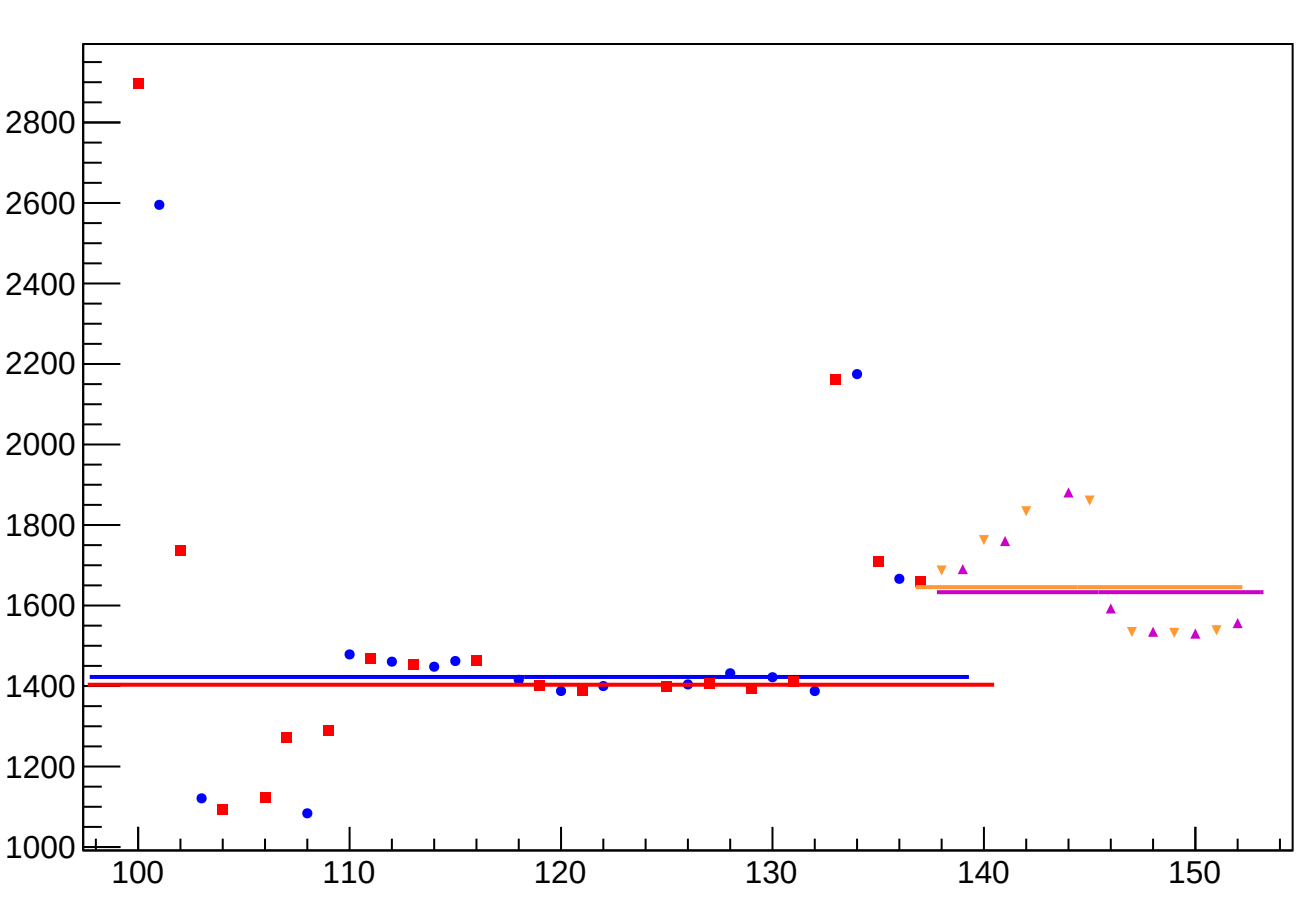
Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 533.582+/-0.113 χ^2/NDF:4290600.3/22

Out: 481.774+/-0.108 χ^2/NDF:4375917.4/24

All: 506.574+/-0.078 χ^2/NDF: 8775879.7/47


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -865.083+/-711.494 χ²/NDF:12.6/6
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -89.380+/-660.916 χ²/NDF:3.2/6
Left: -448.683+/-484.233 χ²/NDF: 16.4/13
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 324.004+/-418.194 χ²/NDF:24.2/22
Out: -349.509+/-426.490 χ²/NDF:33.7/24
All: -6.138+/-298.598 χ²/NDF: 59.2/47



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: 1633.116+/-0.467 χ^2/NDF:62788.7/6

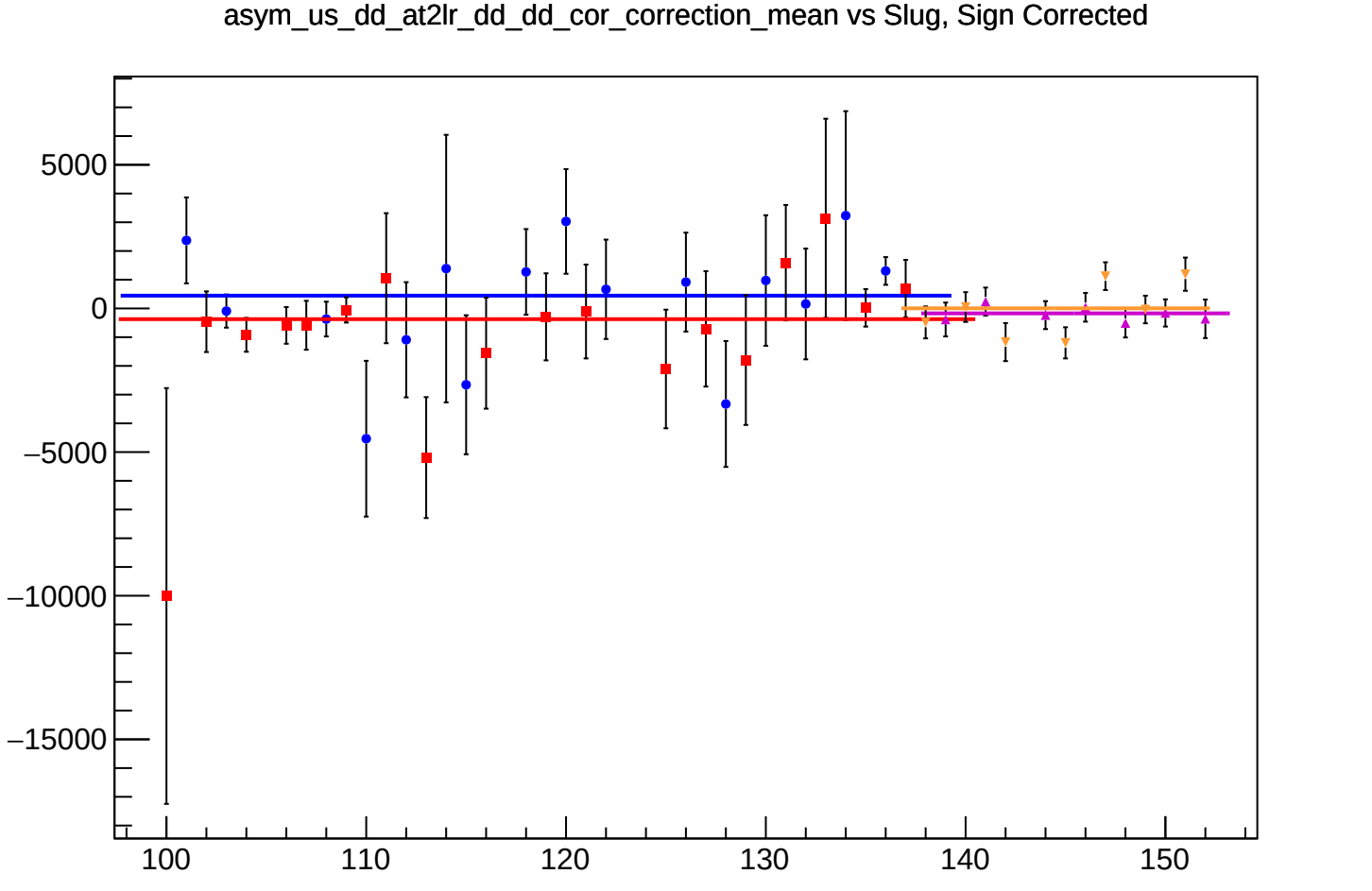
Left: 1638.937+/-0.342 χ^2/NDF: 128565.1/13

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1506.833+/-0.296 χ^2/NDF:744818.6/22

Out: 1490.340+/-0.302 χ^2/NDF:573363.2/24

All: 1498.749+/-0.211 χ^2/NDF: 1319706.8/47



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: -171.272+/-196.323 χ^2/NDF:1.6/6

Left: -86.427+/-141.139 χ^2/NDF: 20.4/13

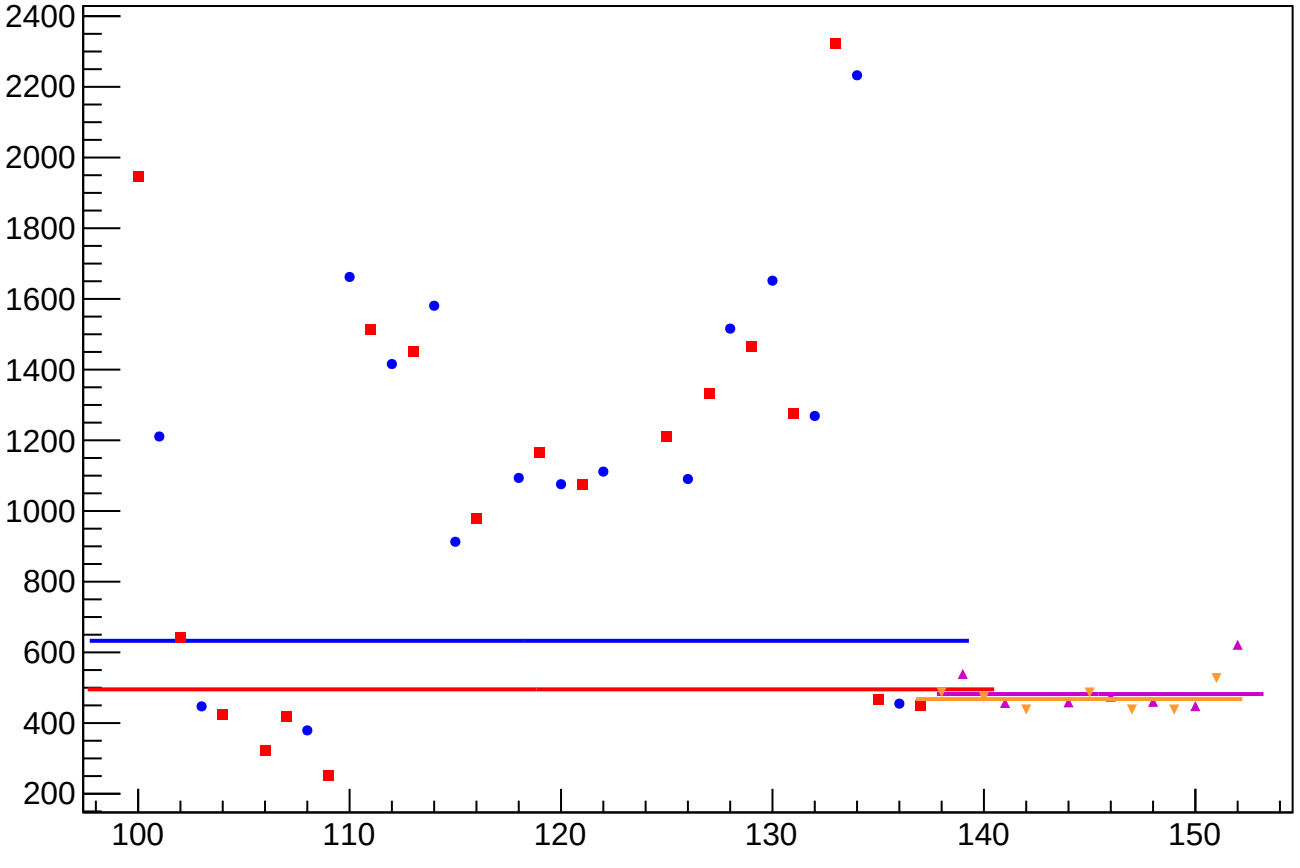
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 37.084+/-159.732 χ^2/NDF:24.1/22

Out: -159.652+/-152.608 χ^2/NDF:33.9/24

All: -65.768+/-110.343 χ^2/NDF: 58.8/47

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: 482.158+/-0.139 χ^2/NDF:129907.1/6

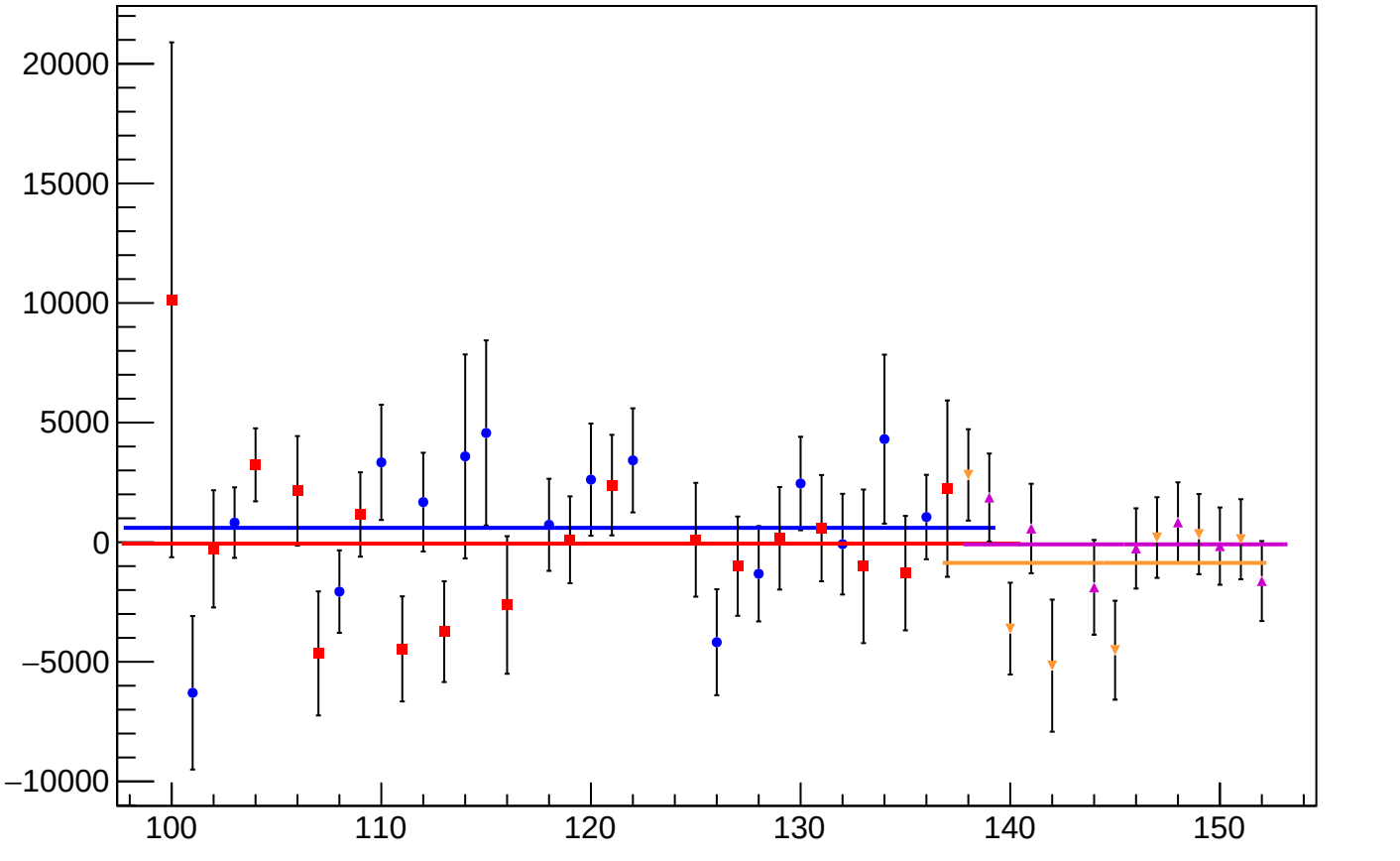
Left: 475.249+/-0.100 χ^2/NDF: 179953.9/13

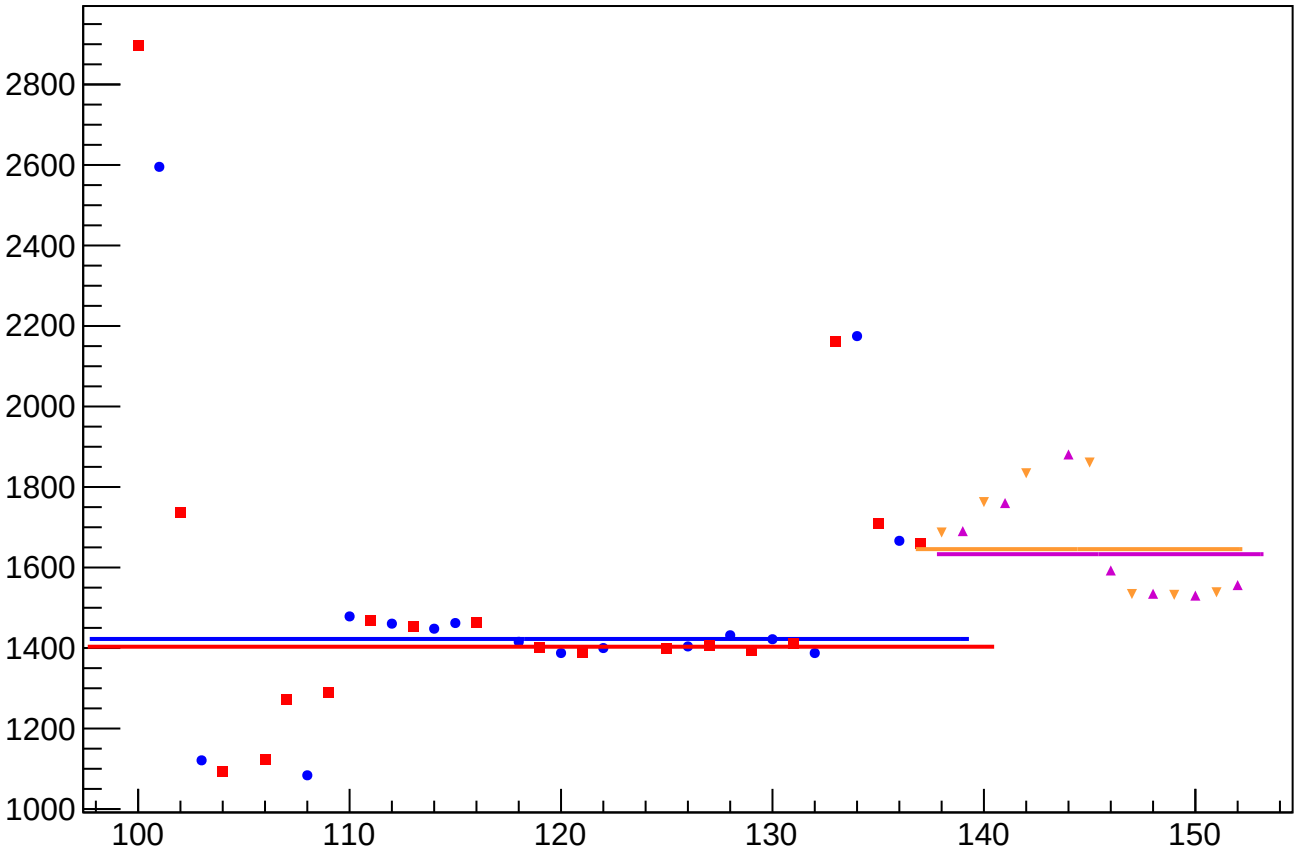
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 533.063+/-0.113 χ^2/NDF:4295428.6/22

Out: 479.833+/-0.108 χ^2/NDF:4398392.9/24

All: 505.235+/-0.078 χ^2/NDF: 8809938.6/47


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -865.083+/-711.494 χ²/NDF:12.6/6
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -89.380+/-660.916 χ²/NDF:3.2/6
Left: -448.683+/-484.233 χ²/NDF: 16.4/13
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 324.004+/-418.194 χ²/NDF:24.2/22
Out: -349.509+/-426.490 χ²/NDF:33.7/24
All: -6.138+/-298.598 χ²/NDF: 59.2/47



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: 1633.116+/-0.467 χ^2/NDF:62788.7/6

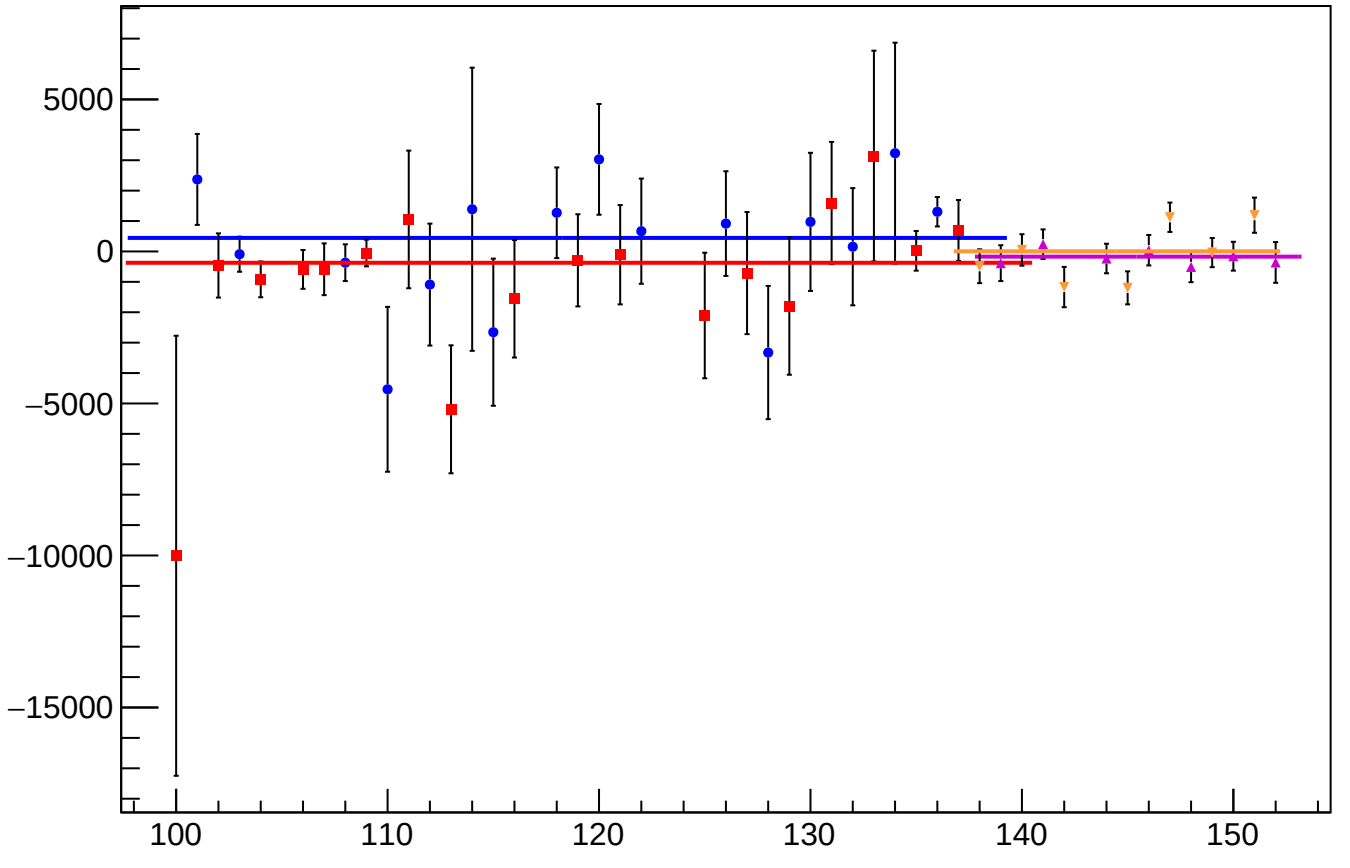
Left: 1638.937+/-0.342 χ^2/NDF: 128565.1/13

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1506.833+/-0.296 χ^2/NDF:744818.6/22

Out: 1490.340+/-0.302 χ^2/NDF:573363.2/24

All: 1498.749+/-0.211 χ^2/NDF: 1319706.8/47



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: -171.272+/-196.323 χ^2/NDF:1.6/6

Left: -86.427+/-141.139 χ^2/NDF: 20.4/13

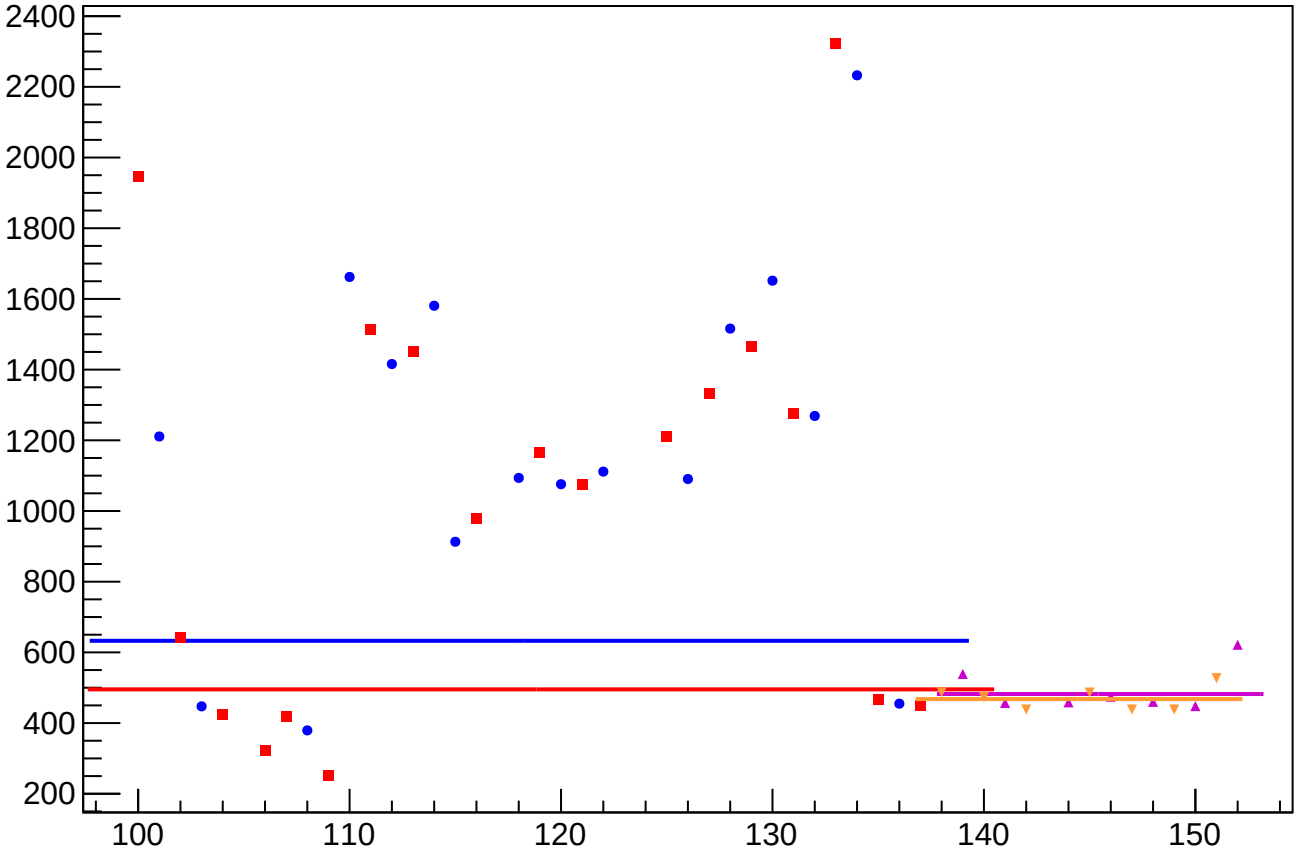
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 37.084+/-159.732 χ^2/NDF:24.1/22

Out: -159.652+/-152.608 χ^2/NDF:33.9/24

All: -65.768+/-110.343 χ^2/NDF: 58.8/47

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: 482.158+/-0.139 χ^2/NDF:129907.1/6

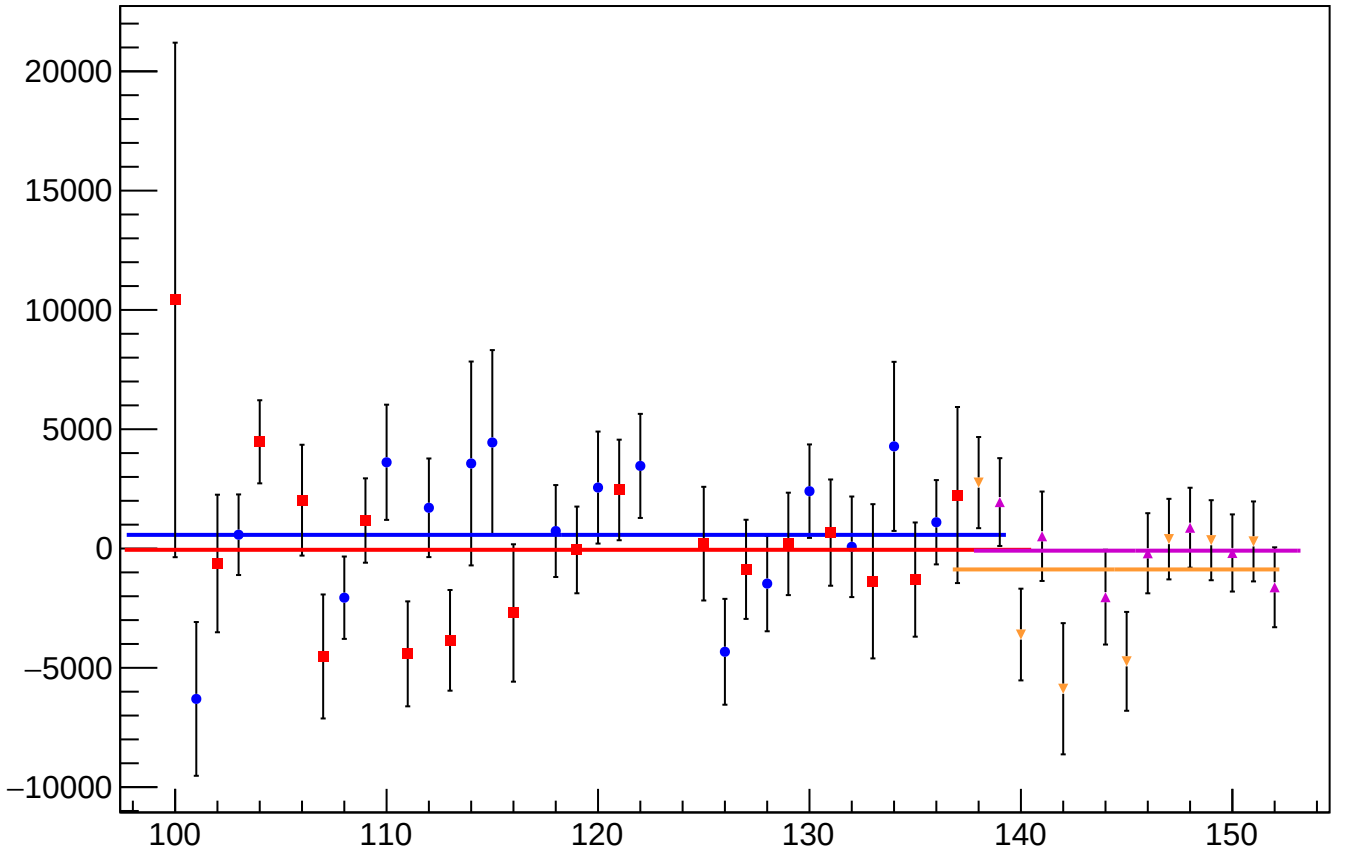
Left: 475.249+/-0.100 χ^2/NDF: 179953.9/13

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 533.063+/-0.113 χ^2/NDF:4295428.6/22

Out: 479.833+/-0.108 χ^2/NDF:4398392.9/24

All: 505.235+/-0.078 χ^2/NDF: 8809938.6/47



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: -89.676+/-661.738 χ^2/NDF:3.5/6

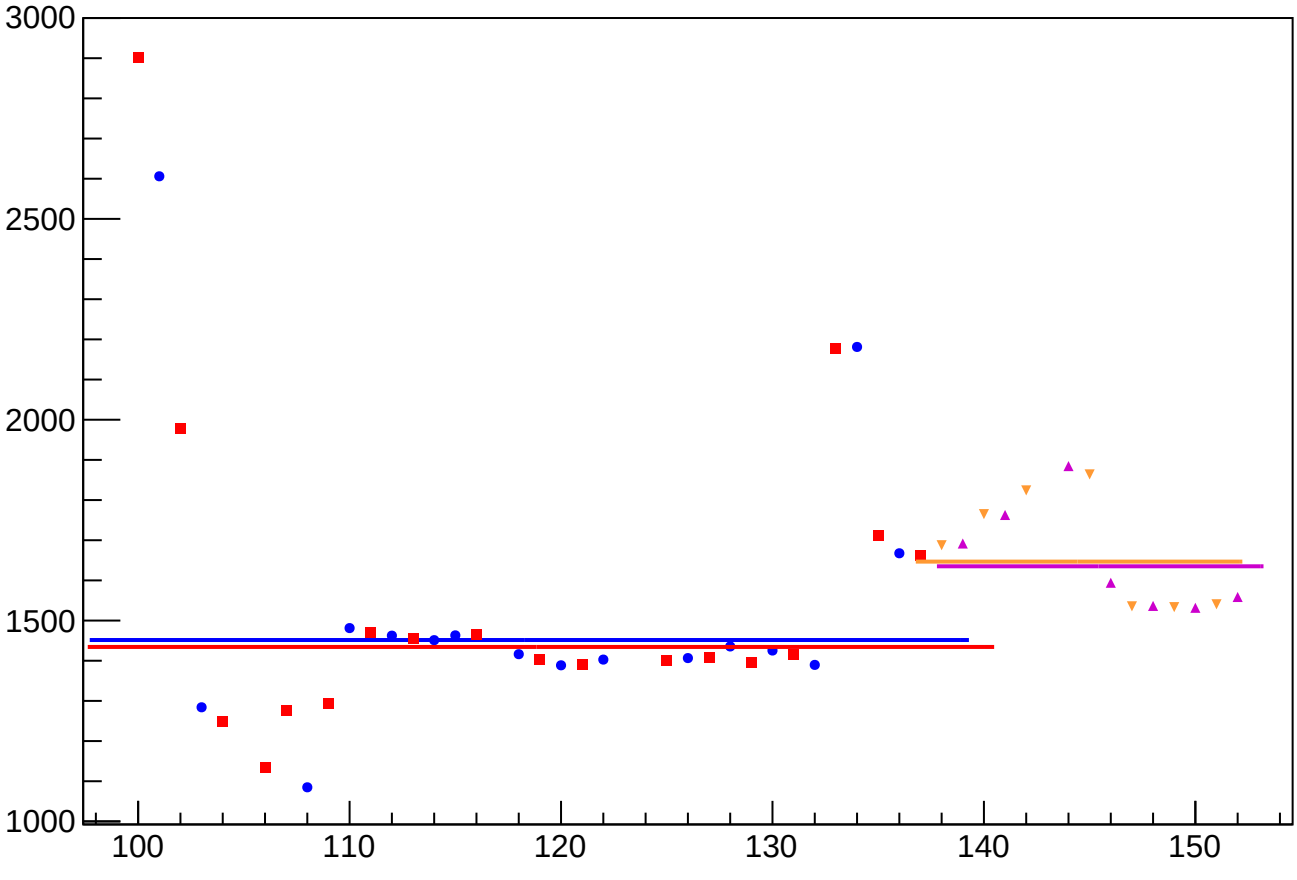
Left: -454.366+/-484.719 χ^2/NDF: 18.1/13

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 302.044+/-422.812 χ^2/NDF:24.8/22

Out: -357.985+/-432.949 χ^2/NDF:37.4/24

All: -20.153+/-302.493 χ^2/NDF: 63.4/47



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: 1635.103+/-0.468 χ^2/NDF:63184.6/6

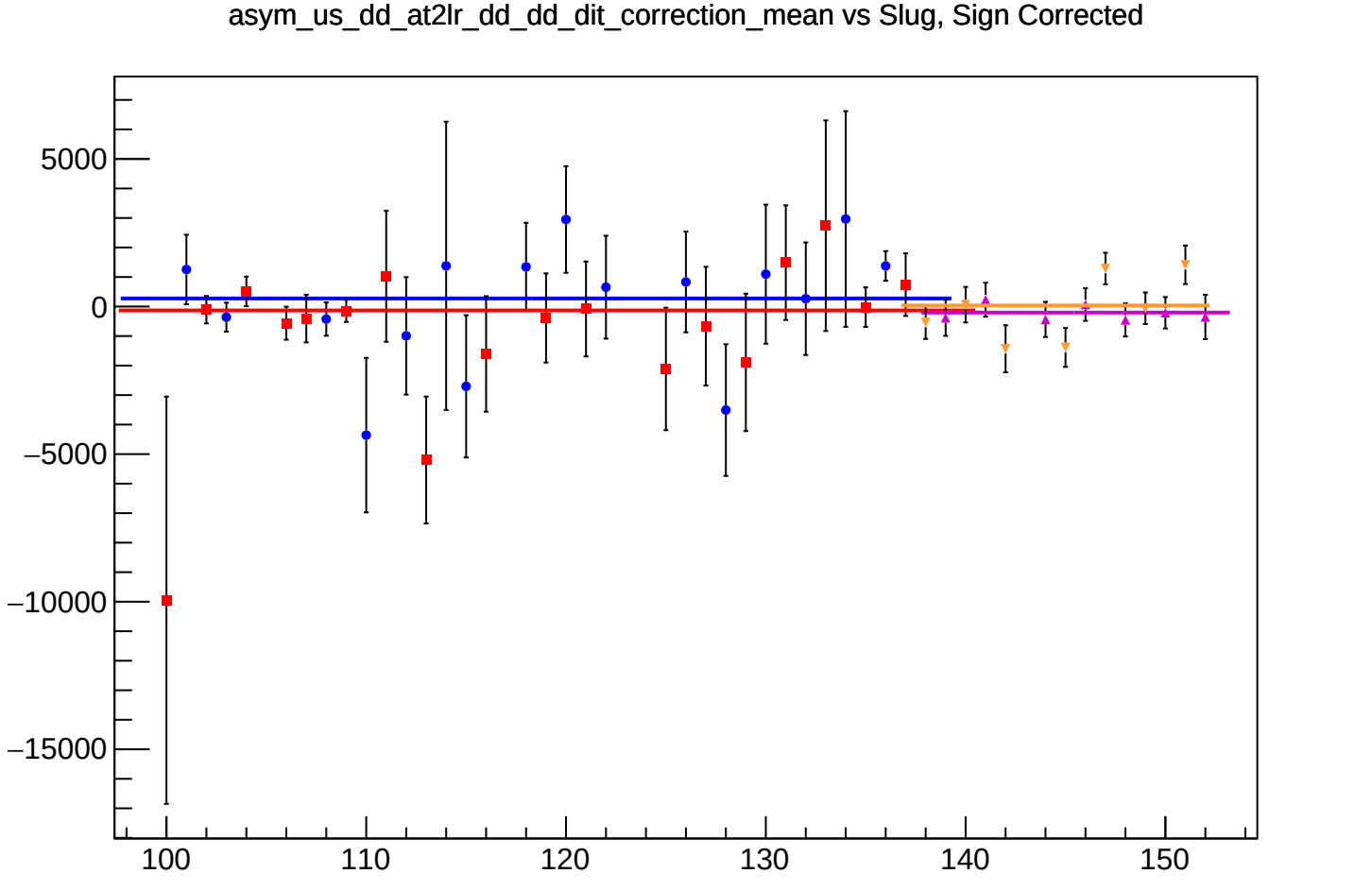
Left: 1640.512+/-0.343 χ^2/NDF: 128103.0/13

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1526.502+/-0.299 χ^2/NDF:642051.5/22

Out: 1512.874+/-0.306 χ^2/NDF:505447.7/24

All: 1519.849+/-0.214 χ^2/NDF: 1148513.5/47



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: -204.092+/-222.074 χ^2/NDF:1.3/6

Left: -88.420+/-159.219 χ^2/NDF: 20.9/13

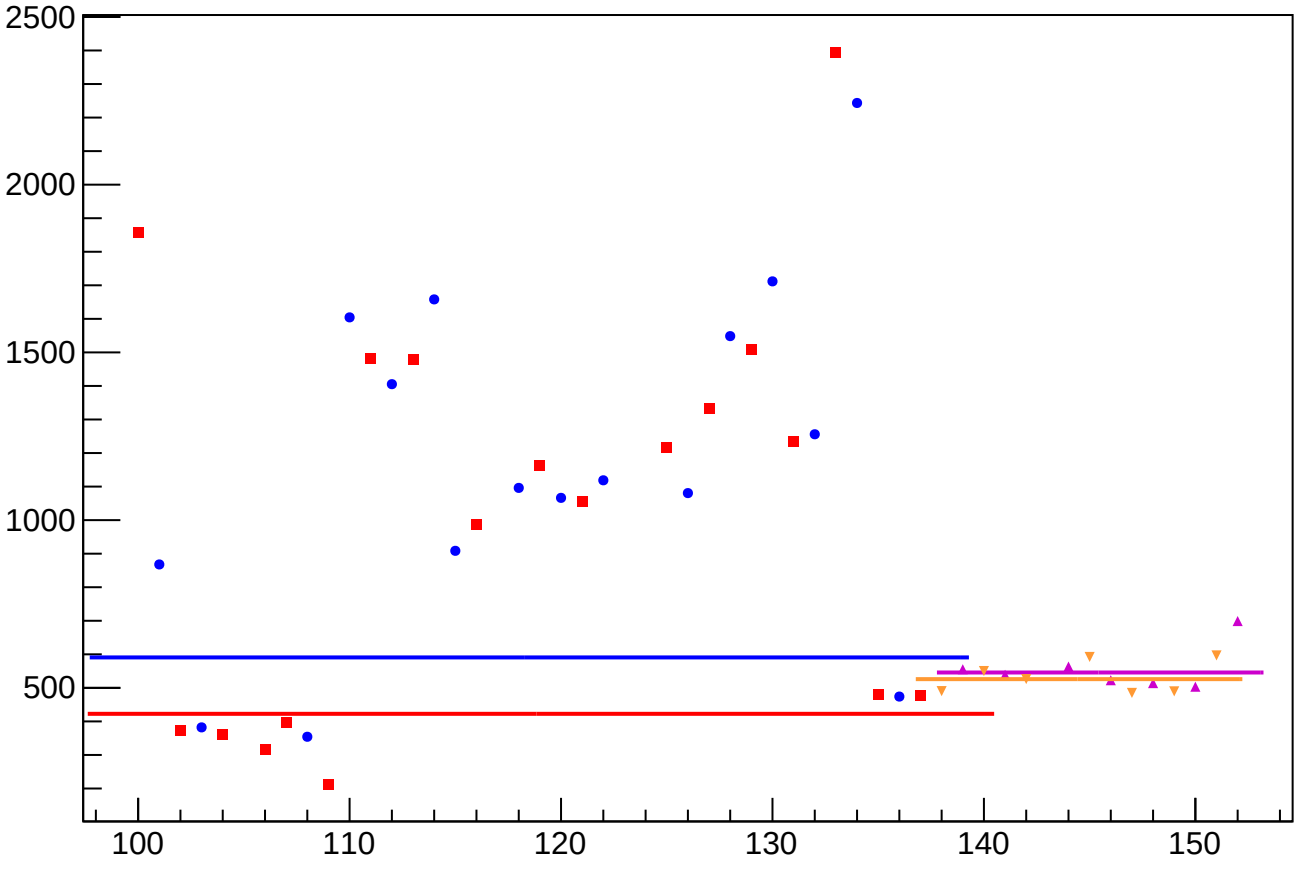
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -3.144+/-169.009 χ^2/NDF:23.4/22

Out: -61.985+/-148.711 χ^2/NDF:33.8/24

All: -36.308+/-111.645 χ^2/NDF: 57.3/47

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 526.016+/-0.162 χ^2/NDF:76034.7/6

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 545.824+/-0.157 χ^2/NDF:108007.2/6

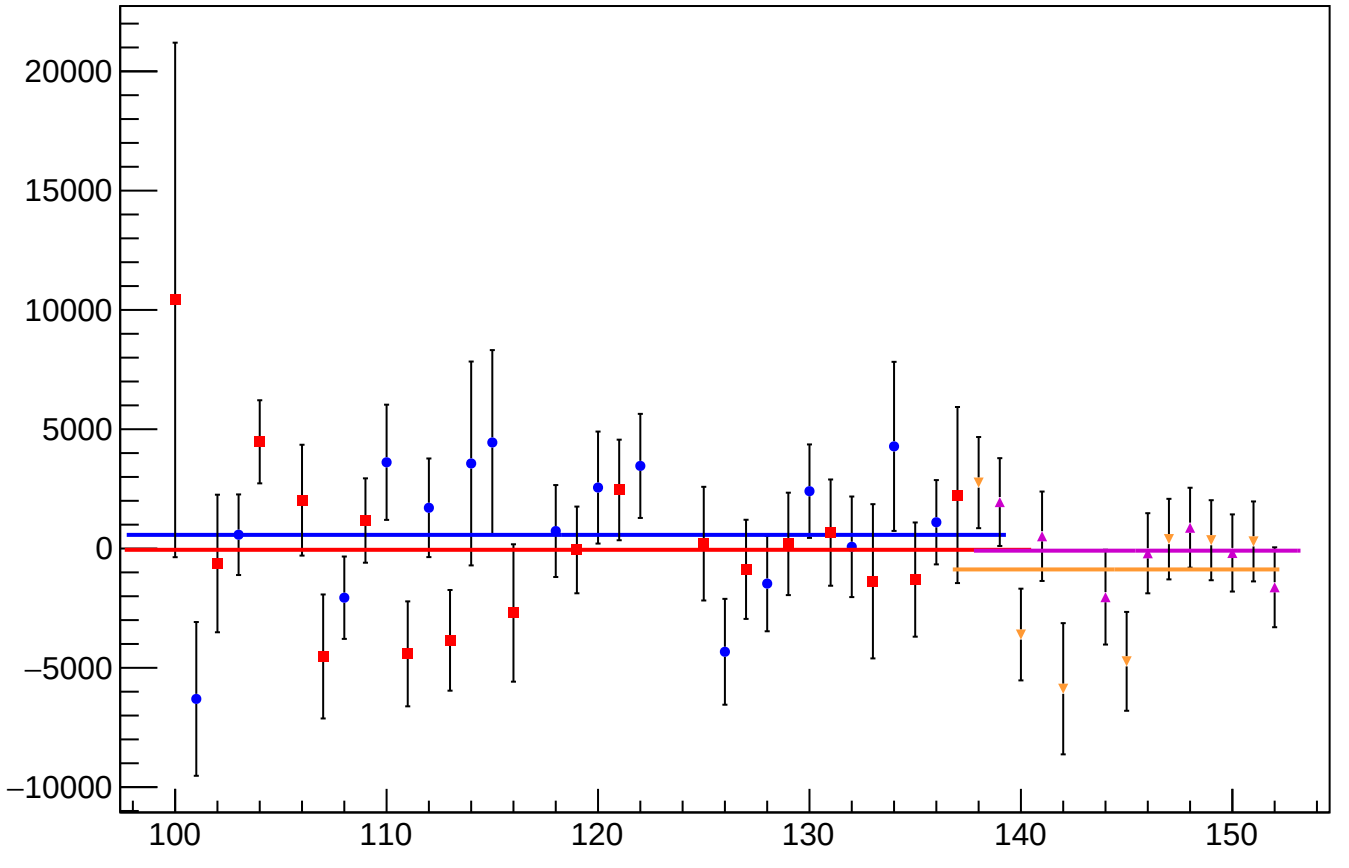
Left: 536.198+/-0.113 χ^2/NDF: 191774.5/13

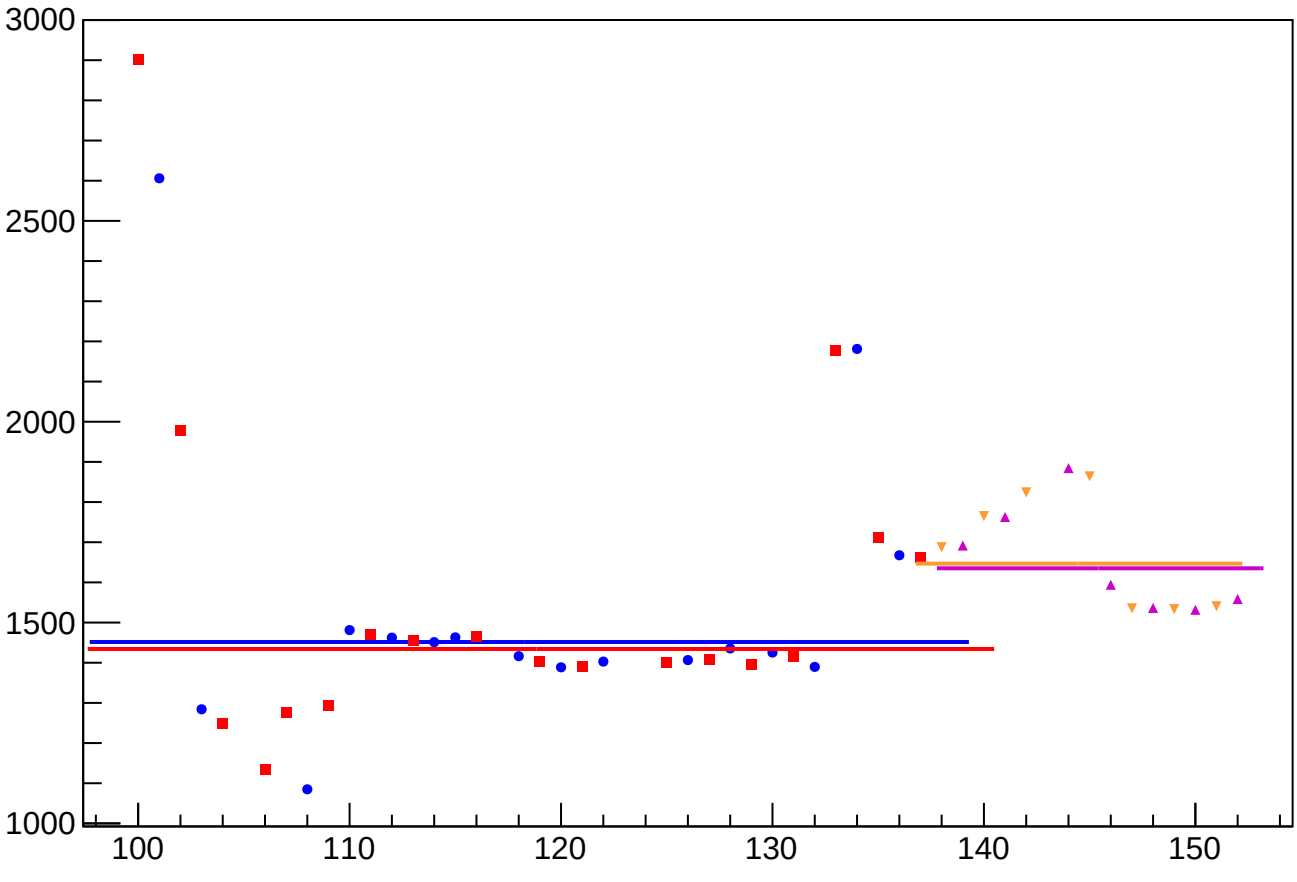
Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 564.729+/-0.120 χ^2/NDF:4027951.8/22

Out: 466.458+/-0.105 χ^2/NDF:5170121.7/24

All: 509.341+/-0.079 χ^2/NDF: 9579180.7/47


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: -876.580+/-712.011 χ²/NDF:14.0/6
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: -89.682+/-661.738 χ²/NDF:3.5/6
Left: -454.373+/-484.719 χ²/NDF: 18.1/13
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 302.042+/-422.812 χ²/NDF:24.8/22
Out: -357.987+/-432.949 χ²/NDF:37.4/24
All: -20.155+/-302.493 χ²/NDF: 63.4/47



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: 1635.103+/-0.468 χ^2/NDF:63184.7/6

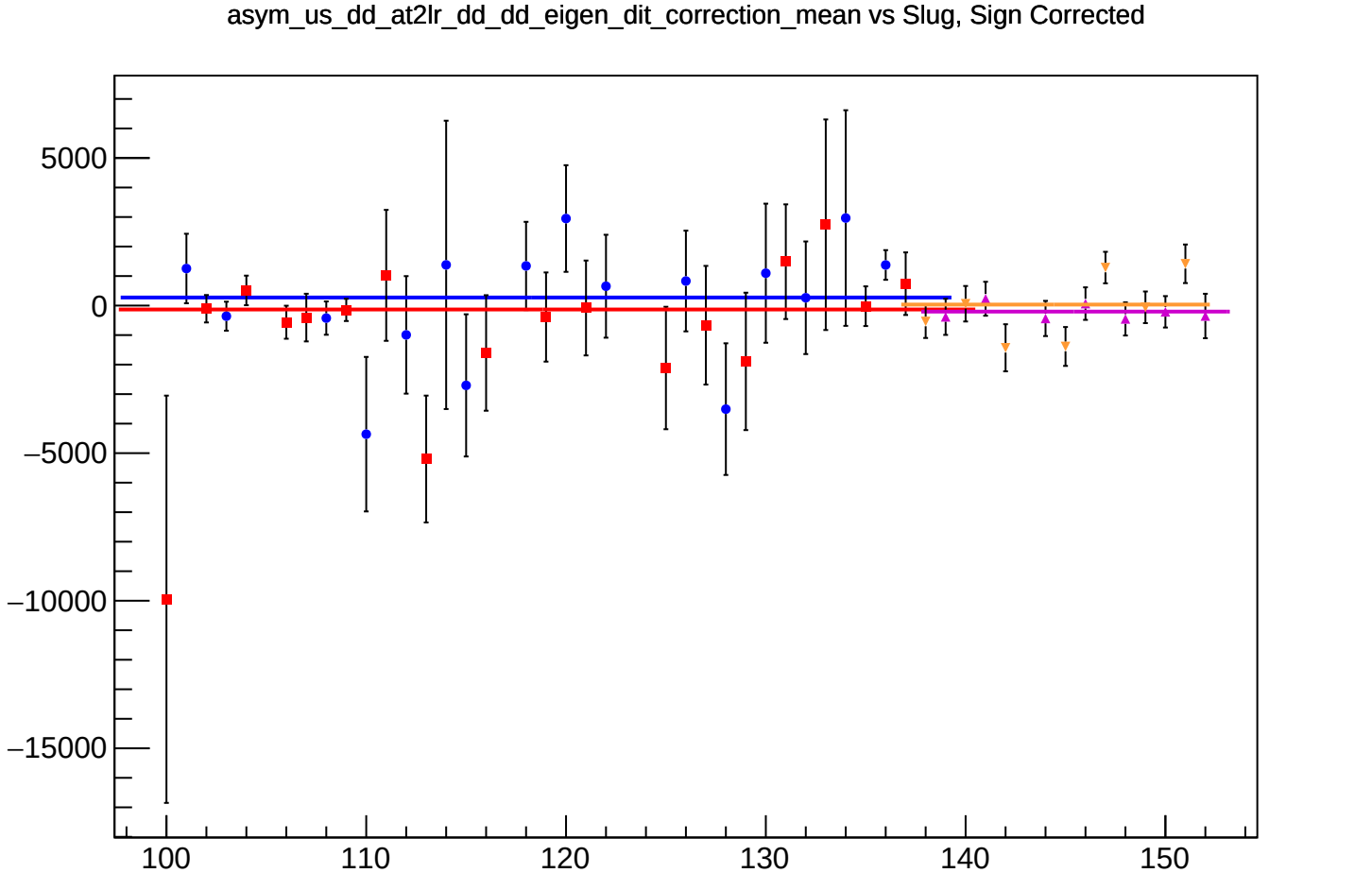
Left: 1640.512+/-0.343 χ^2/NDF: 128103.3/13

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1526.502+/-0.299 χ^2/NDF:642051.1/22

Out: 1512.874+/-0.306 χ^2/NDF:505448.0/24

All: 1519.849+/-0.214 χ^2/NDF: 1148513.5/47



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: -204.098+/-222.074 χ^2/NDF:1.3/6

Left: -88.418+/-159.220 χ^2/NDF: 20.9/13

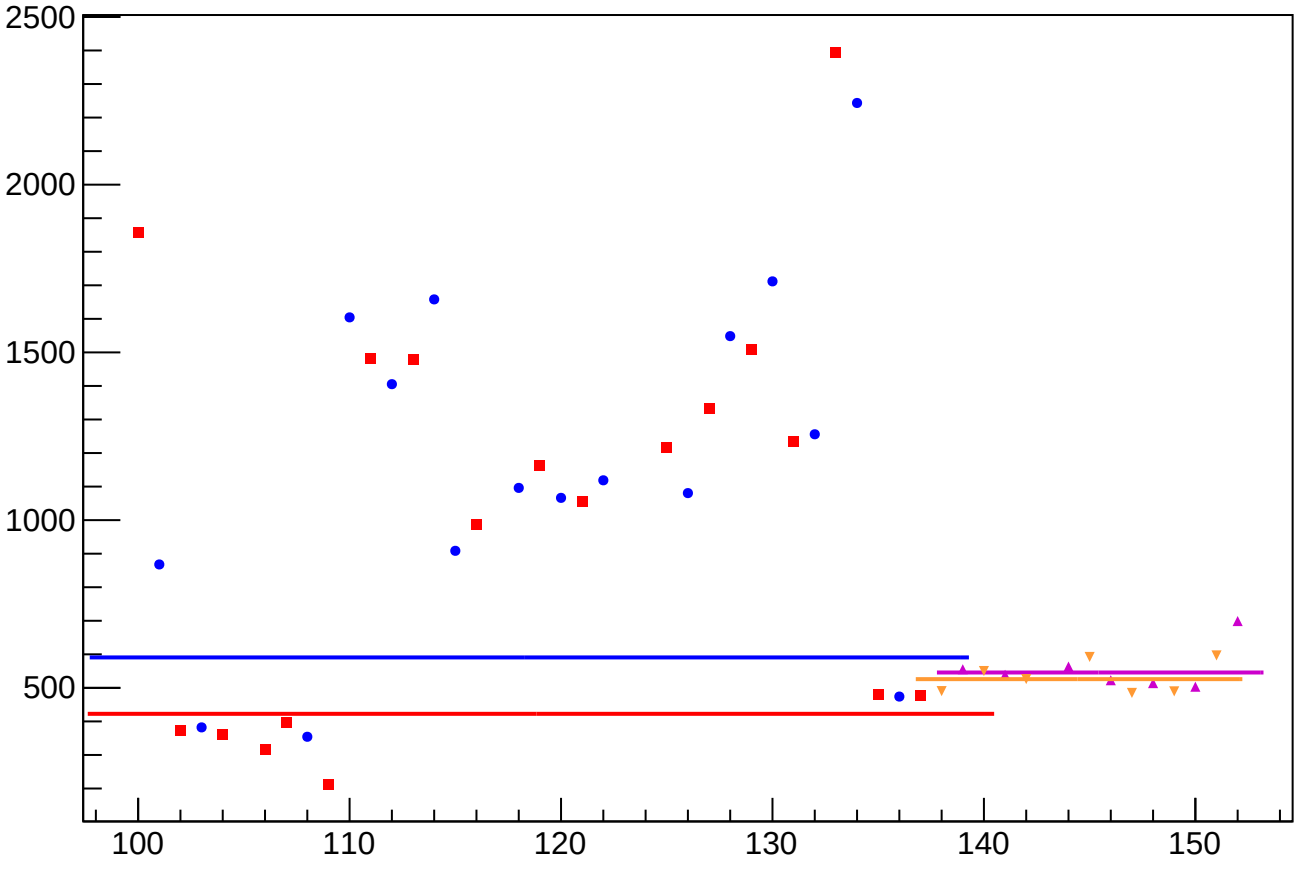
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -3.151+/-169.009 χ^2/NDF:23.4/22

Out: -61.976+/-148.712 χ^2/NDF:33.8/24

All: -36.306+/-111.646 χ^2/NDF: 57.3/47

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: 545.825+/-0.157 χ^2/NDF:108026.6/6

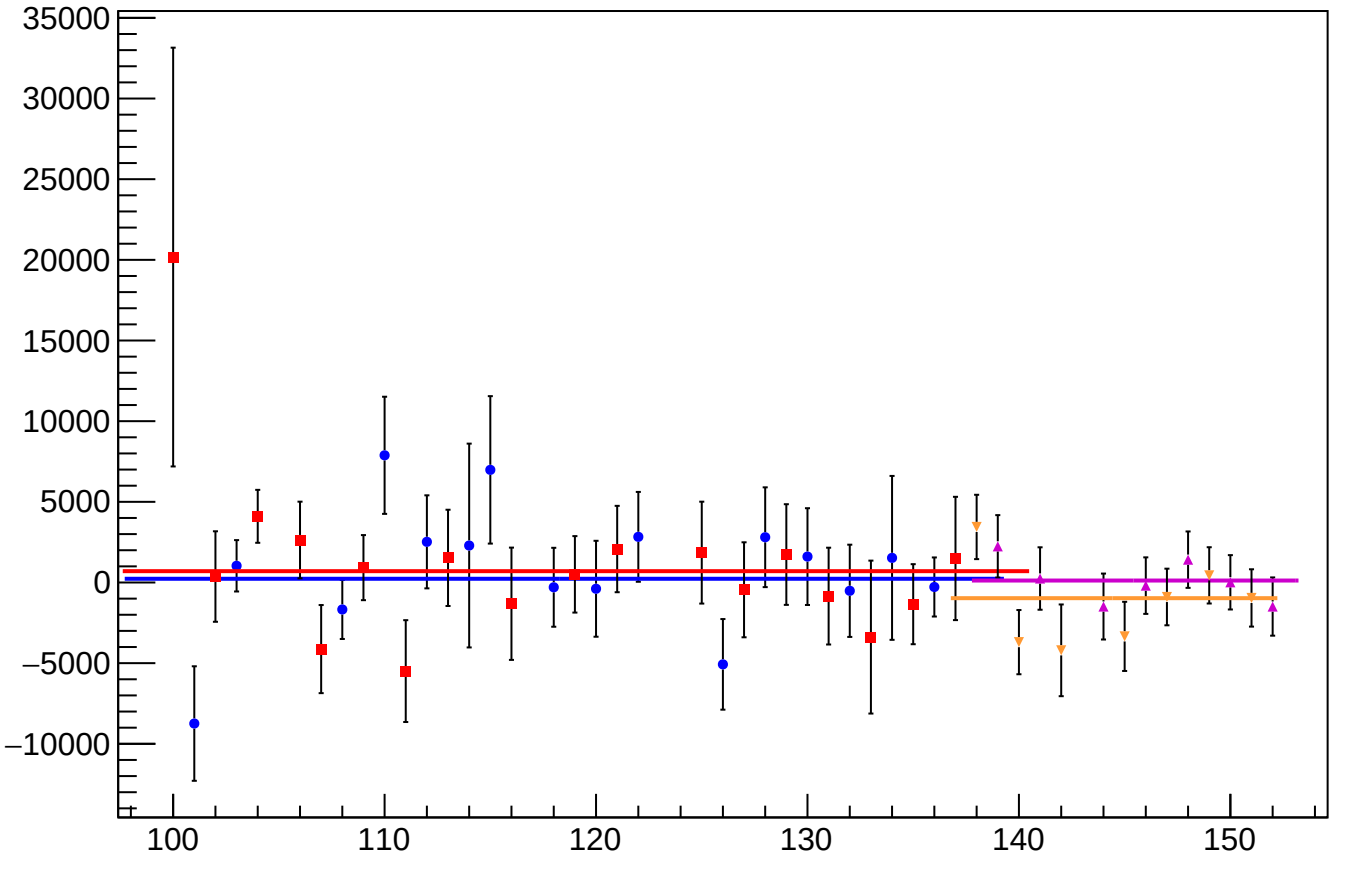
Left: 536.200+/-0.113 χ^2/NDF: 191790.2/13

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 564.728+/-0.120 χ^2/NDF:4027995.5/22

Out: 466.463+/-0.105 χ^2/NDF:5170027.2/24

All: 509.344+/-0.079 χ^2/NDF: 9579088.1/47



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: 121.601+/-692.428 χ^2/NDF:3.2/6

Left: -387.236+/-506.309 χ^2/NDF: 14.3/13

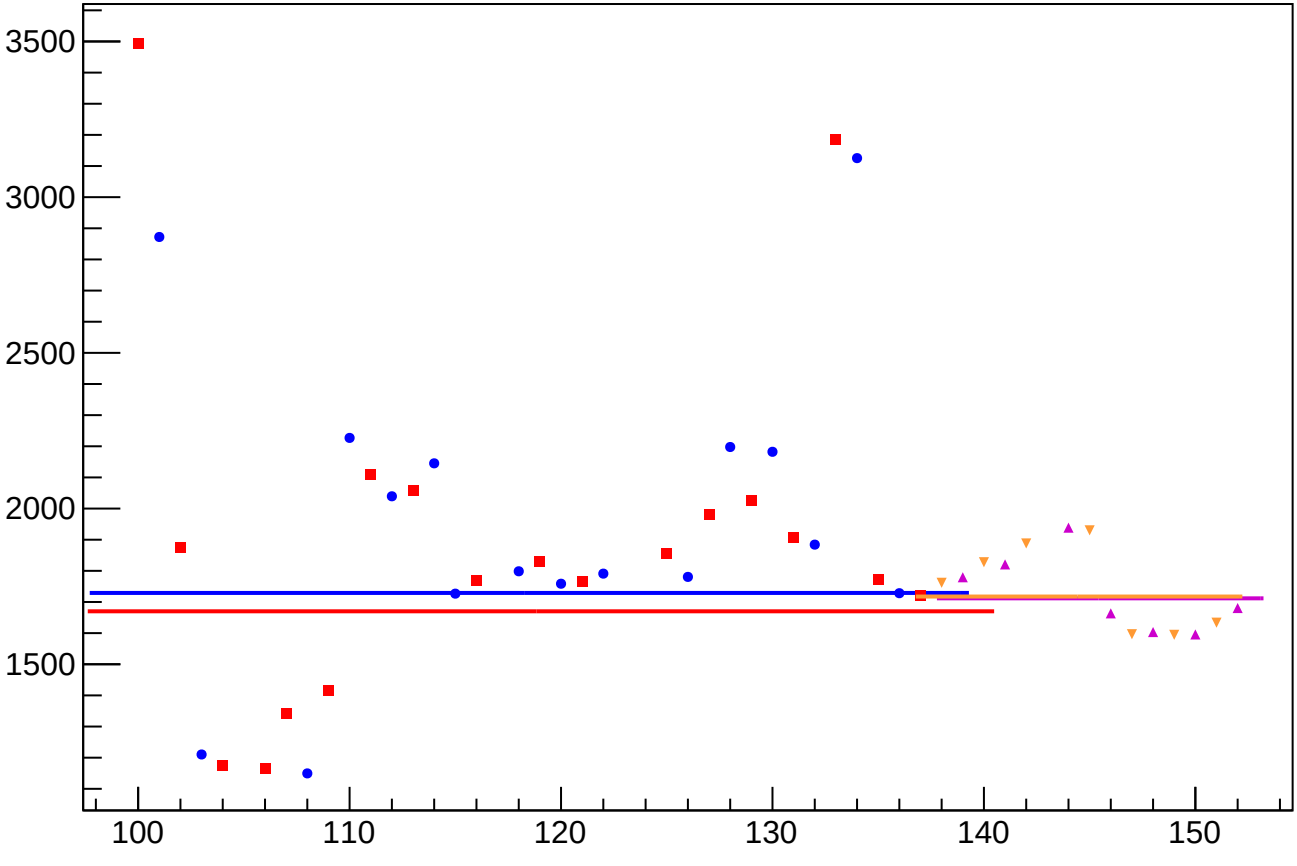
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 178.284+/-480.094 χ^2/NDF:24.0/22

Out: -22.268+/-488.276 χ^2/NDF:29.9/24

All: 79.703+/-342.334 χ^2/NDF: 53.9/47

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: 1711.703+/-0.490 χ^2/NDF:52721.8/6

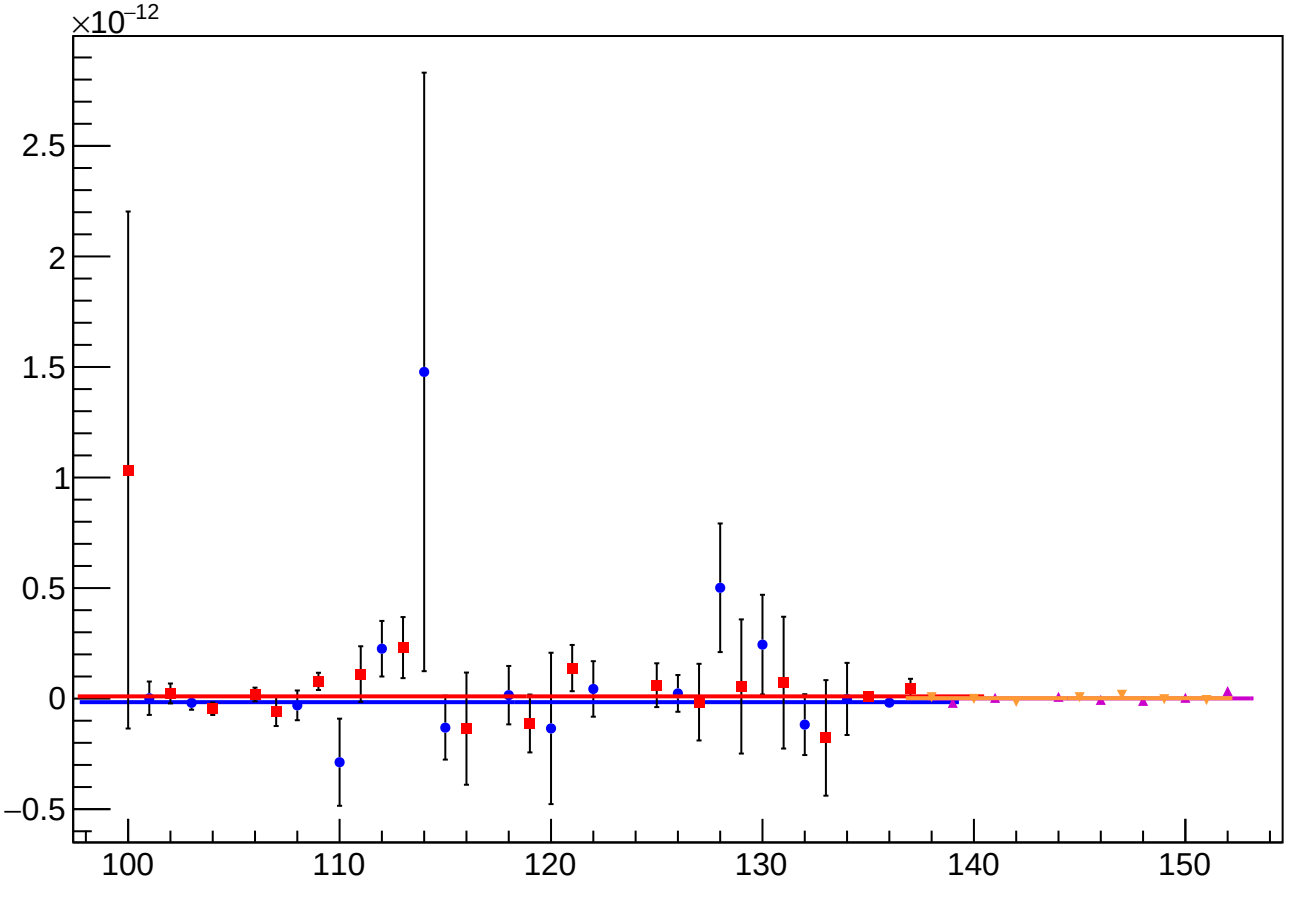
Left: 1714.389+/-0.358 χ^2/NDF: 110653.2/13

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1720.711+/-0.339 χ^2/NDF:995452.7/22

Out: 1690.578+/-0.345 χ^2/NDF:806949.1/24

All: 1705.899+/-0.242 χ^2/NDF: 1806274.6/47



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:5.6/6

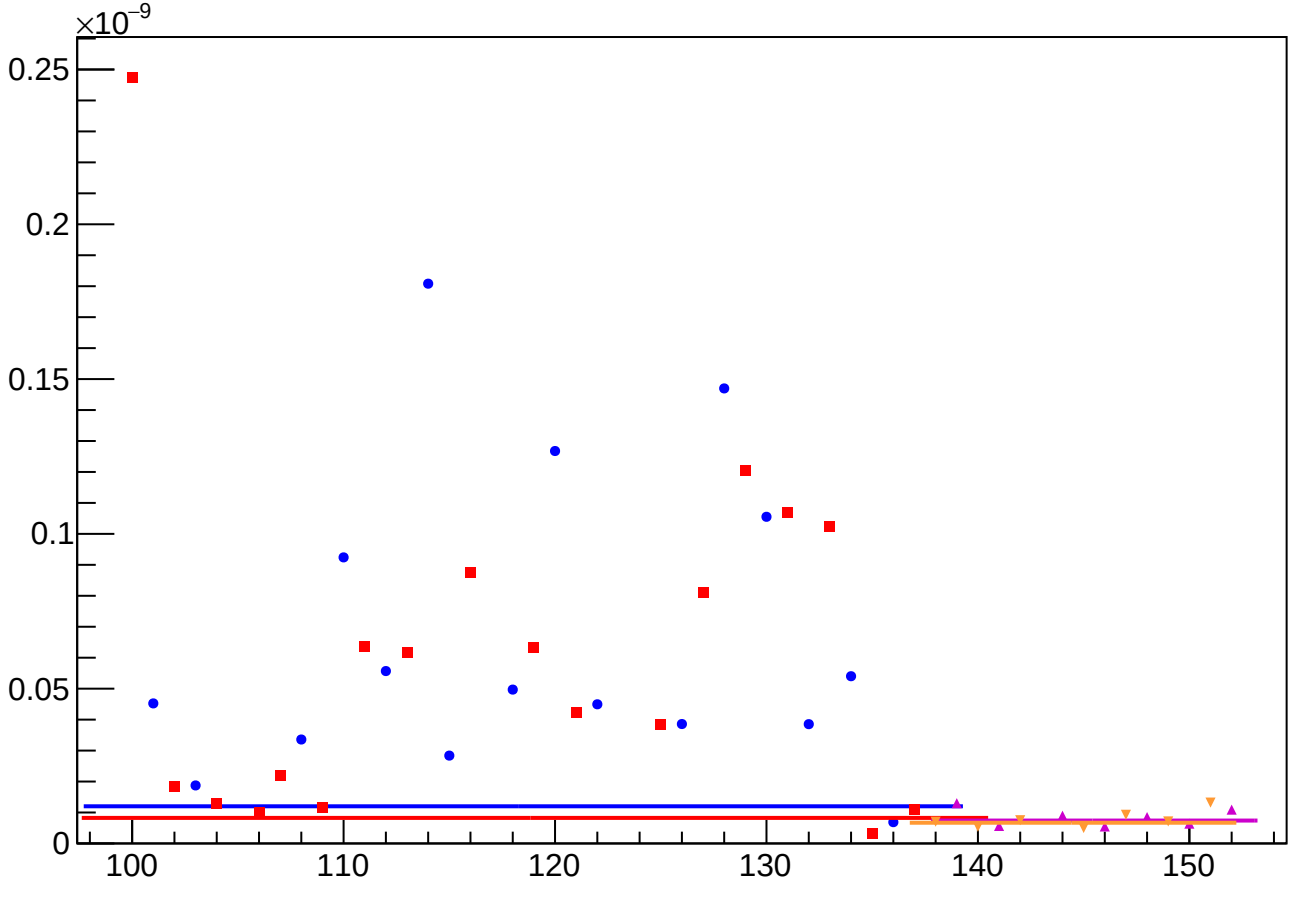
Left: 0.000+/-0.000 χ^2/NDF: 8.1/13

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:21.1/22

Out: 0.000+/-0.000 χ^2/NDF:19.7/24

All: 0.000+/-0.000 χ^2/NDF: 41.8/47



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:452583.0/6

Left: 0.000+/-0.000 χ^2/NDF: 855978.0/13

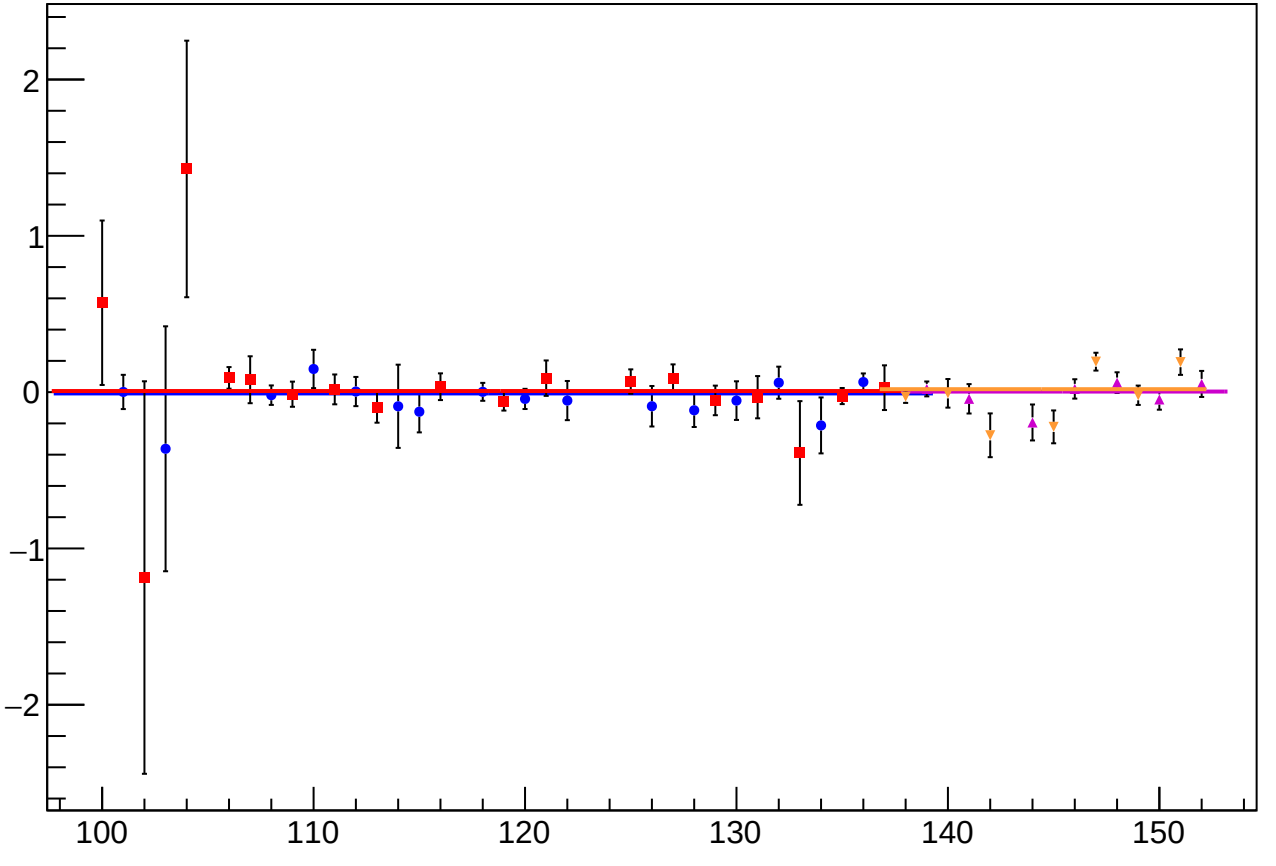
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4209433.8/22

Out: 0.000+/-0.000 χ^2/NDF:3941621.9/24

All: 0.000+/-0.000 χ^2/NDF: 8225303.2/47

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: 0.004+/-0.026 χ^2/NDF:5.1/6

Left: 0.012+/-0.018 χ^2/NDF: 30.9/13

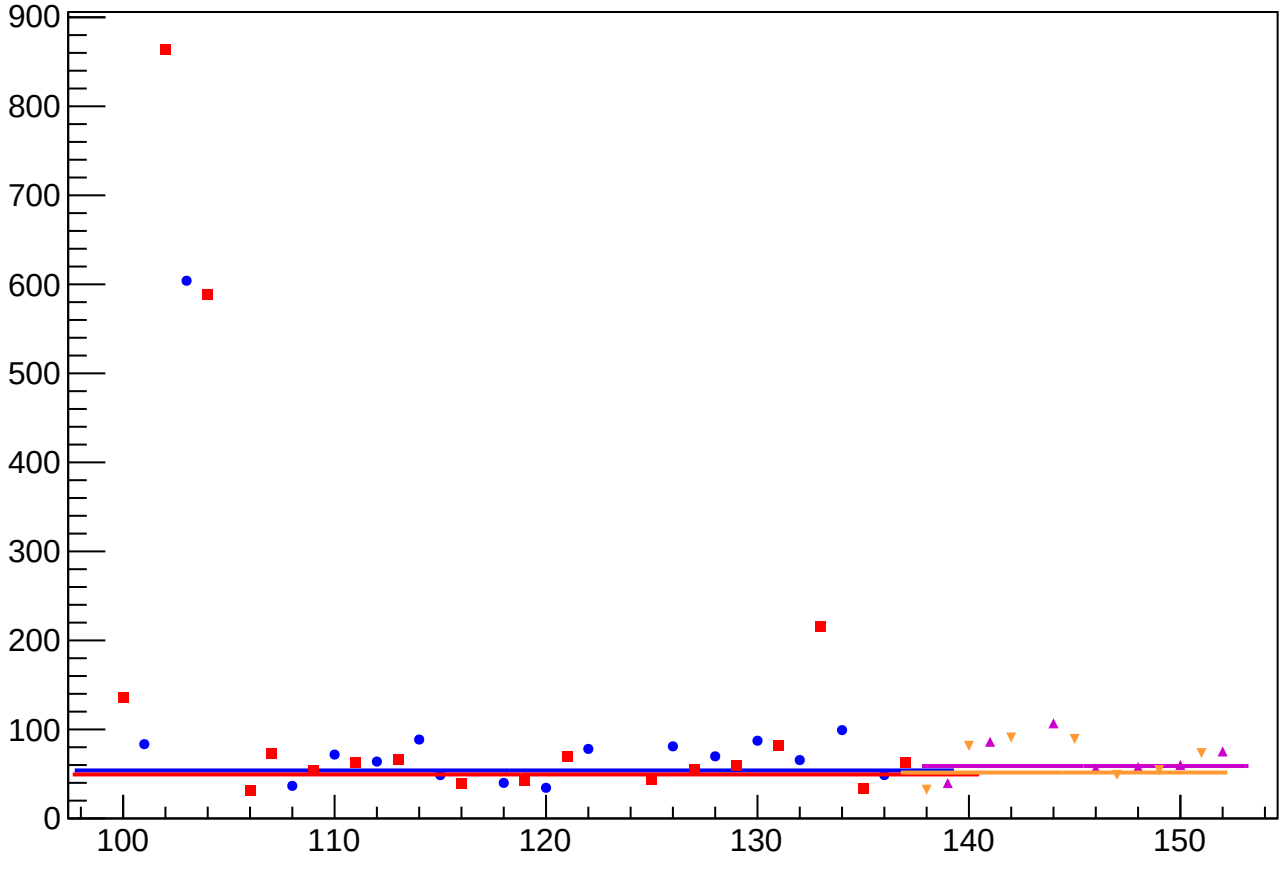
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.017 χ^2/NDF:13.5/22

Out: 0.012+/-0.017 χ^2/NDF:39.4/24

All: 0.005+/-0.012 χ^2/NDF: 53.3/47

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: 58.906+/-0.018 χ^2/NDF:920525.0/6

Left: 55.117+/-0.013 χ^2/NDF: 2251321.5/13

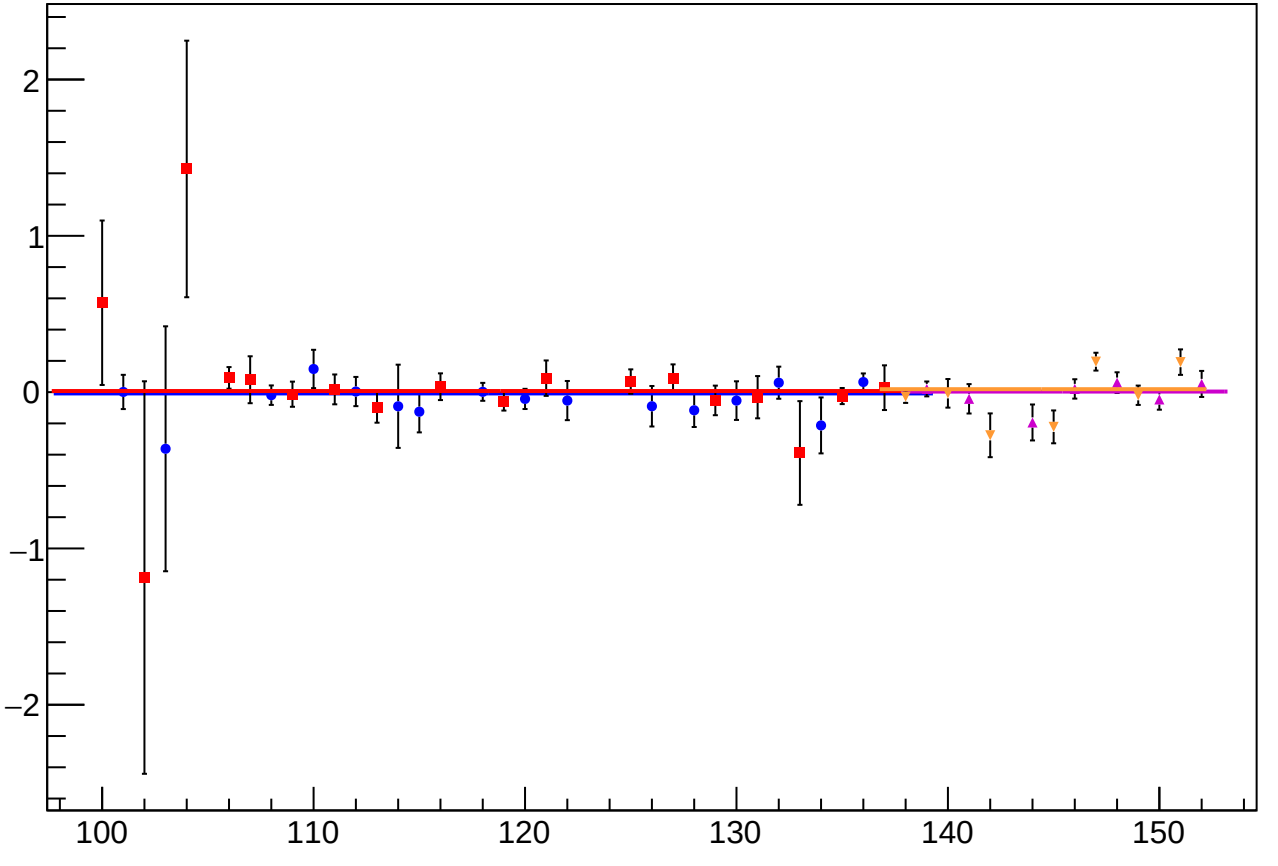
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 56.136+/-0.012 χ^2/NDF:3176101.3/22

Out: 50.382+/-0.012 χ^2/NDF:4274184.2/24

All: 53.150+/-0.008 χ^2/NDF: 7566000.0/47

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: 0.004+/-0.026 χ^2/NDF:5.1/6

Left: 0.012+/-0.018 χ^2/NDF: 30.9/13

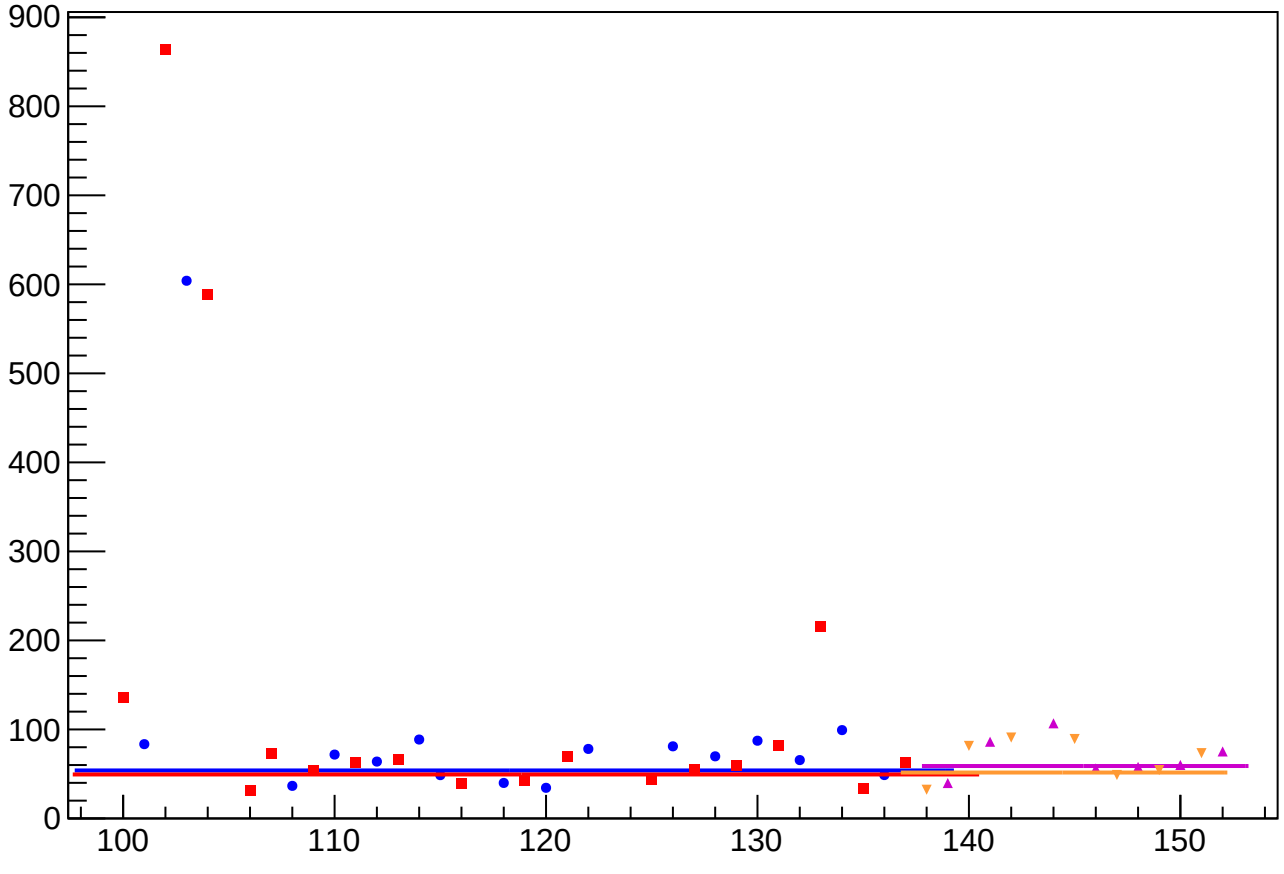
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.017 χ^2/NDF:13.5/22

Out: 0.012+/-0.017 χ^2/NDF:39.4/24

All: 0.005+/-0.012 χ^2/NDF: 53.3/47

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: 58.906+/-0.018 χ^2/NDF:920525.0/6

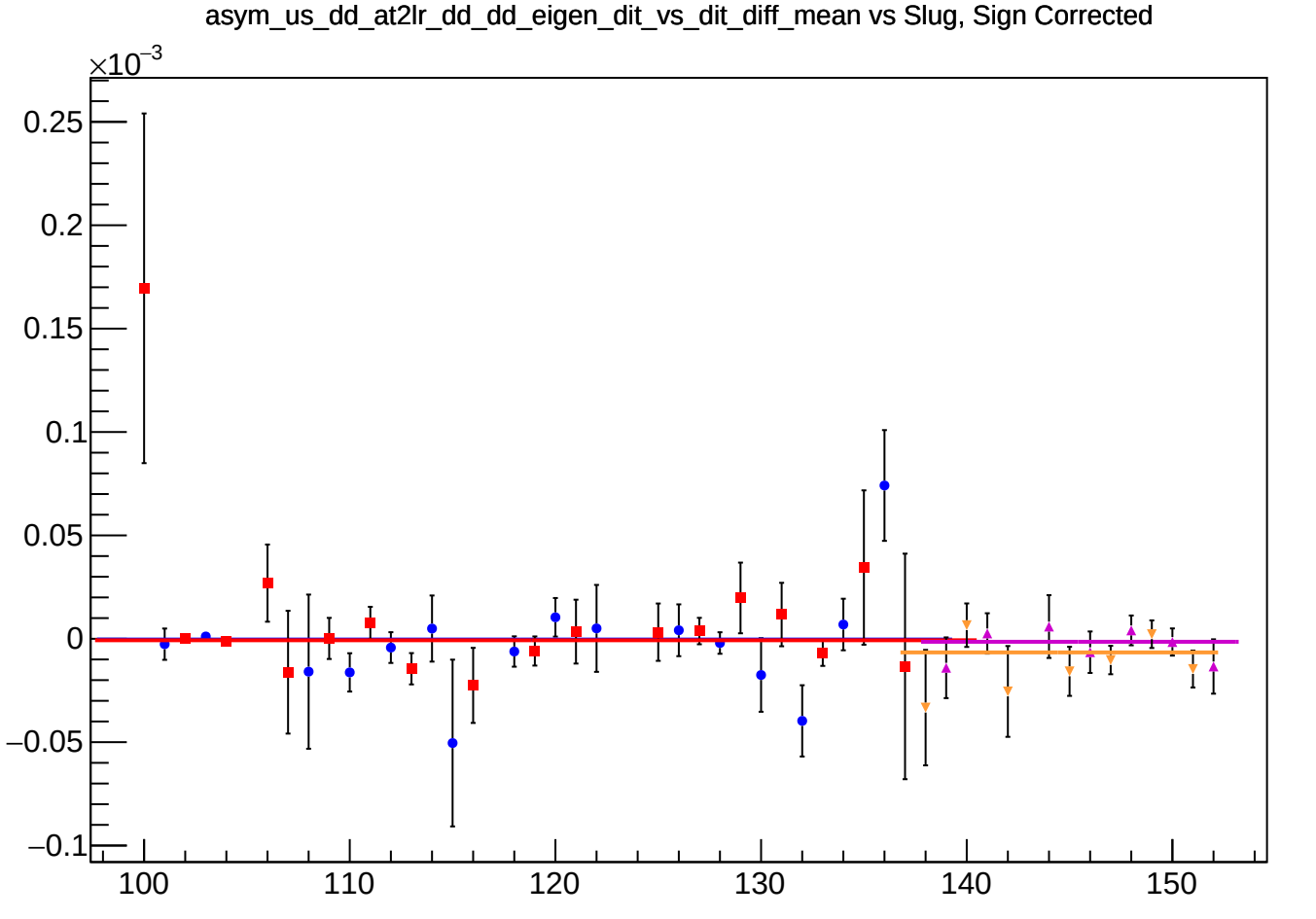
Left: 55.117+/-0.013 χ^2/NDF: 2251321.5/13

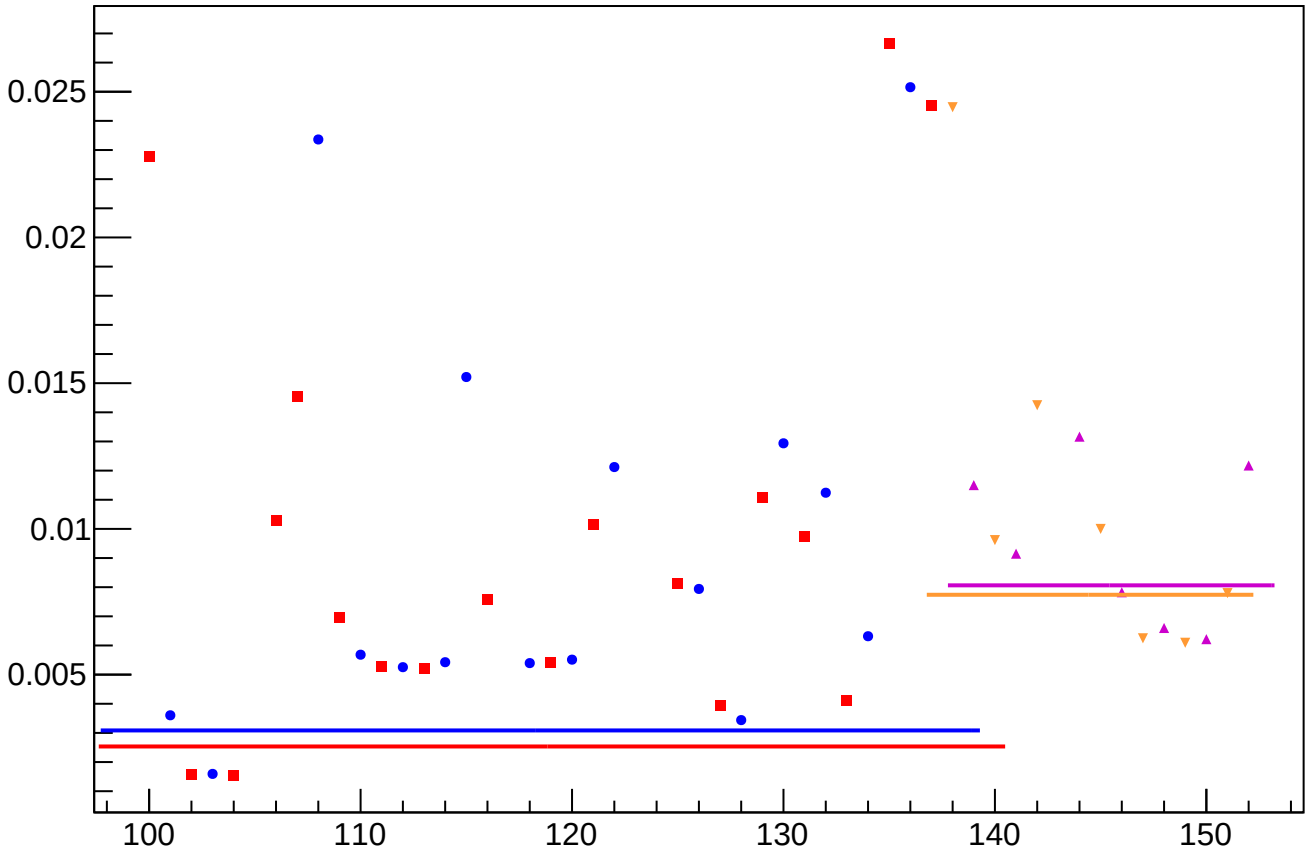
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 56.136+/-0.012 χ^2/NDF:3176101.3/22

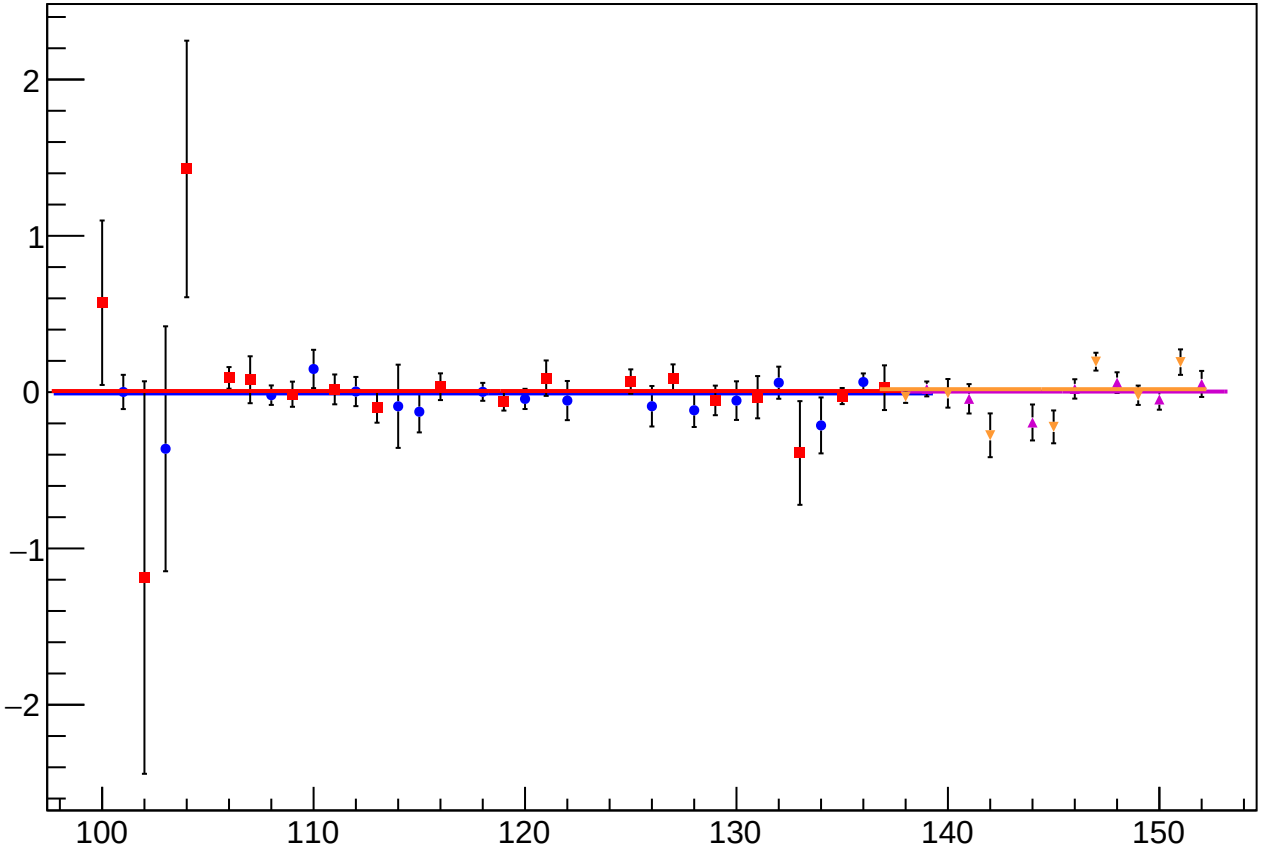
Out: 50.382+/-0.012 χ^2/NDF:4274184.2/24

All: 53.150+/-0.008 χ^2/NDF: 7566000.0/47


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 22.1/15
Left Out: -0.000+/-0.000 χ²/NDF:6.7/6
Right Out: -0.000+/-0.000 χ²/NDF: 17.8/17
Left In: -0.000+/-0.000 χ²/NDF:2.8/6
Left: -0.000+/-0.000 χ²/NDF: 10.5/13
Right: -0.000+/-0.000 χ²/NDF: 40.0/33
In: -0.000+/-0.000 χ²/NDF:25.0/22
Out: -0.000+/-0.000 χ²/NDF:26.8/24
All: -0.000+/-0.000 χ²/NDF: 52.0/47


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:797511.6/6
Left: 0.008+/-0.000 χ²/NDF: 2051531.0/13
Right: 0.003+/-0.000 χ²/NDF: 12159145.0/33
In: 0.004+/-0.000 χ²/NDF:9772567.2/22
Out: 0.003+/-0.000 χ²/NDF:11140312.0/24
All: 0.003+/-0.000 χ²/NDF: 21291572.4/47

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: 0.004+/-0.026 χ^2/NDF:5.1/6

Left: 0.012+/-0.018 χ^2/NDF: 30.9/13

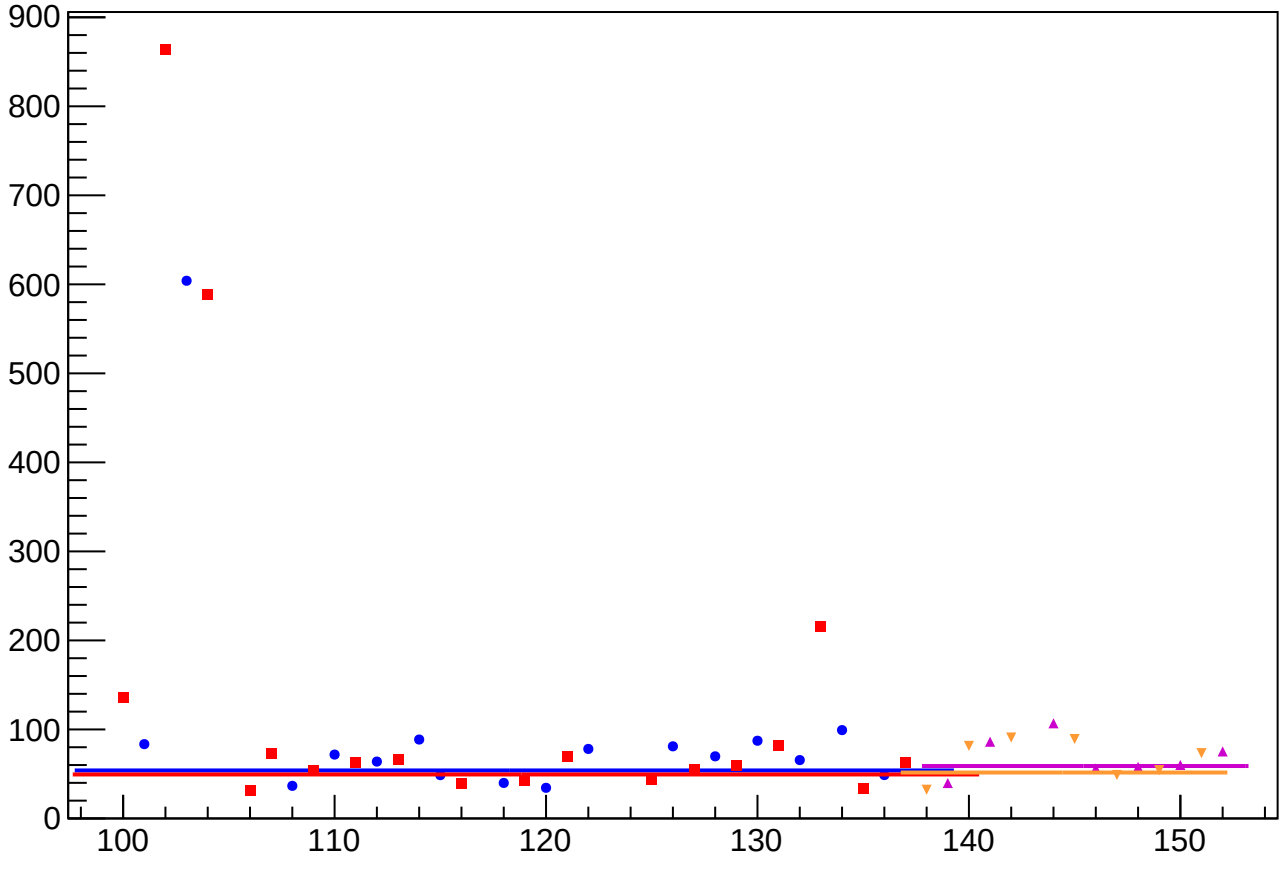
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.017 χ^2/NDF:13.5/22

Out: 0.012+/-0.017 χ^2/NDF:39.4/24

All: 0.005+/-0.012 χ^2/NDF: 53.3/47

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: 58.906+/-0.018 χ^2/NDF:920599.2/6

Left: 55.119+/-0.013 χ^2/NDF: 2250691.1/13

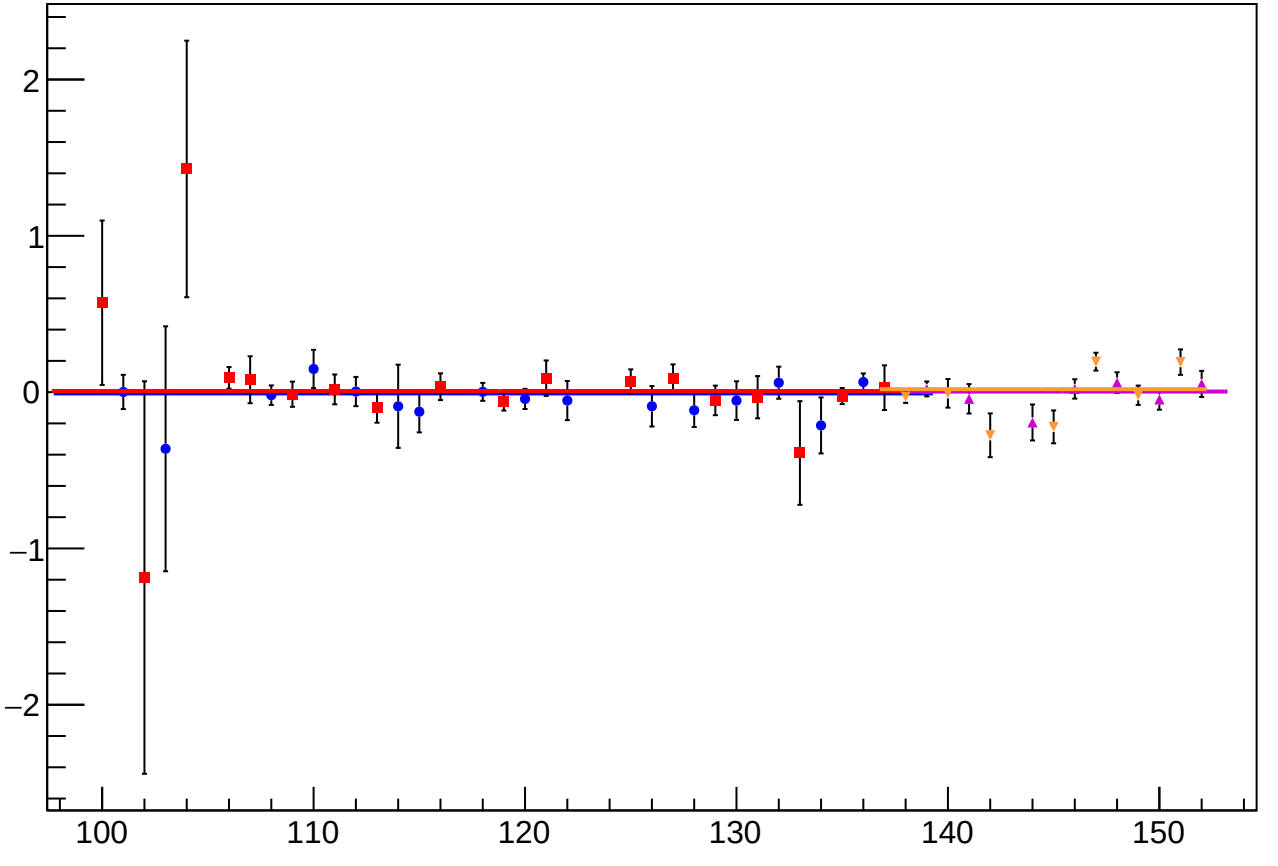
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 56.138+/-0.012 χ^2/NDF:3175707.3/22

Out: 50.385+/-0.012 χ^2/NDF:4273332.6/24

All: 53.153+/-0.008 χ^2/NDF: 7564694.5/47

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: 0.004+/-0.026 χ^2/NDF:5.1/6

Left: 0.012+/-0.018 χ^2/NDF: 30.9/13

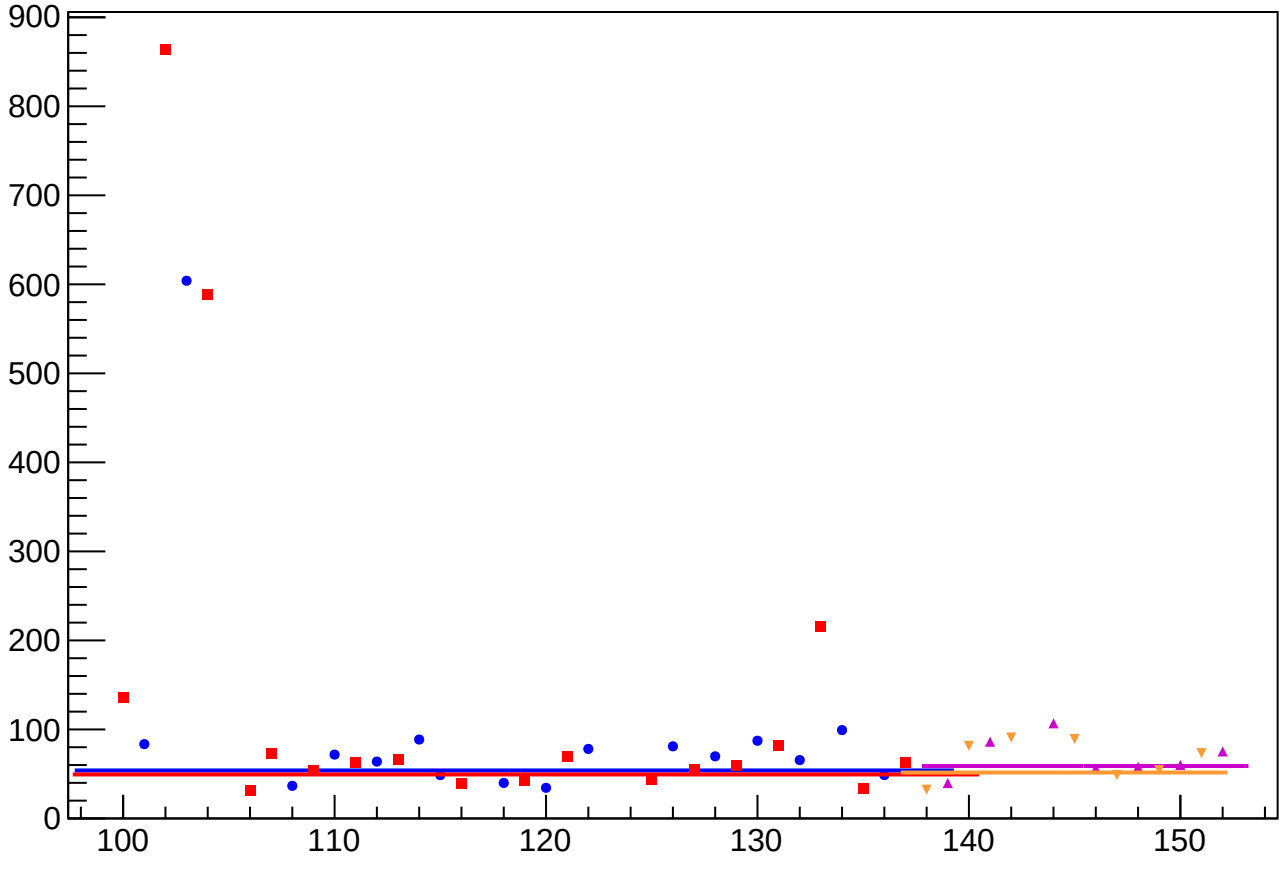
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.017 χ^2/NDF:13.5/22

Out: 0.012+/-0.017 χ^2/NDF:39.4/24

All: 0.005+/-0.012 χ^2/NDF: 53.3/47

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: 58.906+/-0.018 χ^2/NDF:920599.2/6

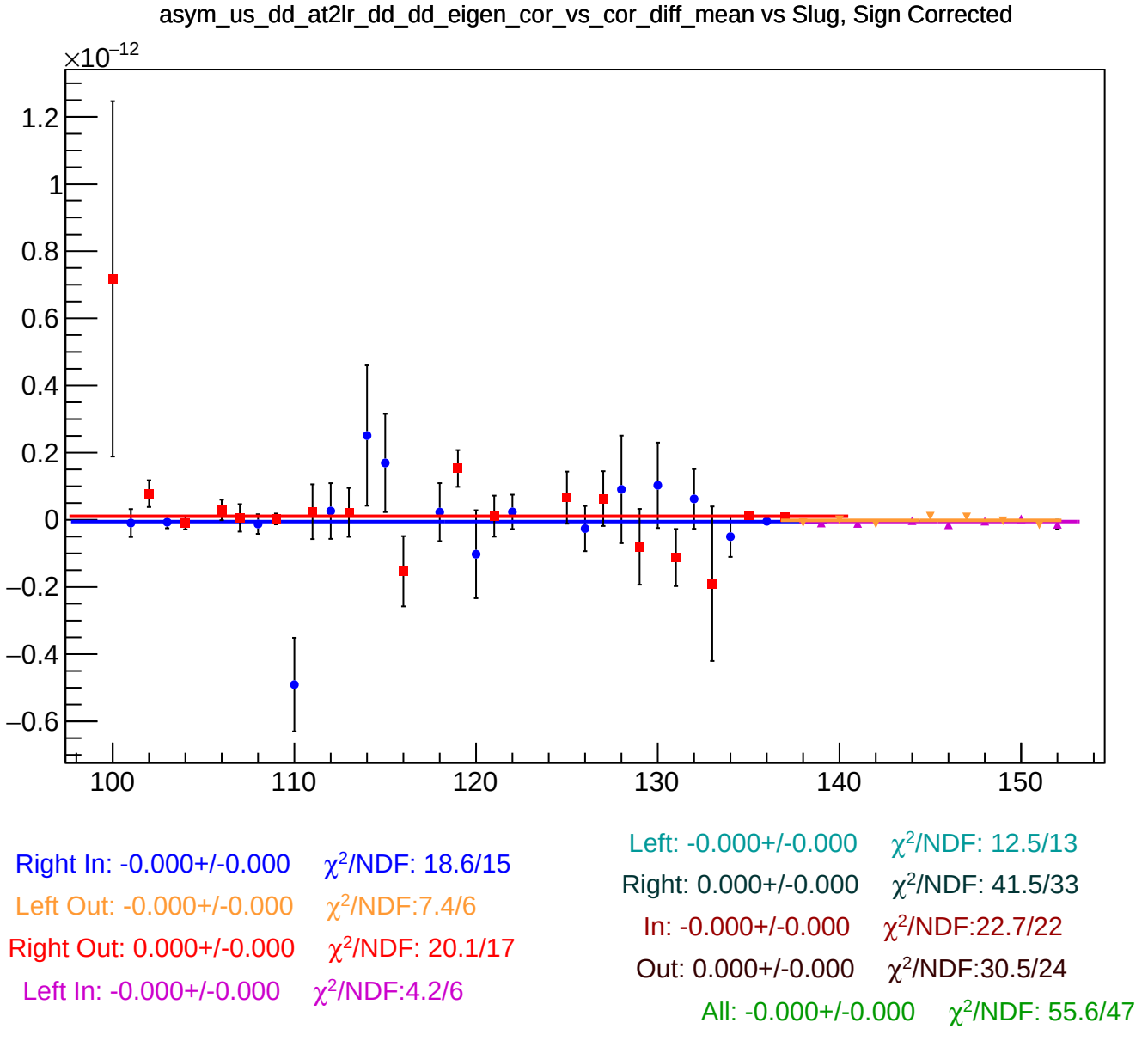
Left: 55.119+/-0.013 χ^2/NDF: 2250691.1/13

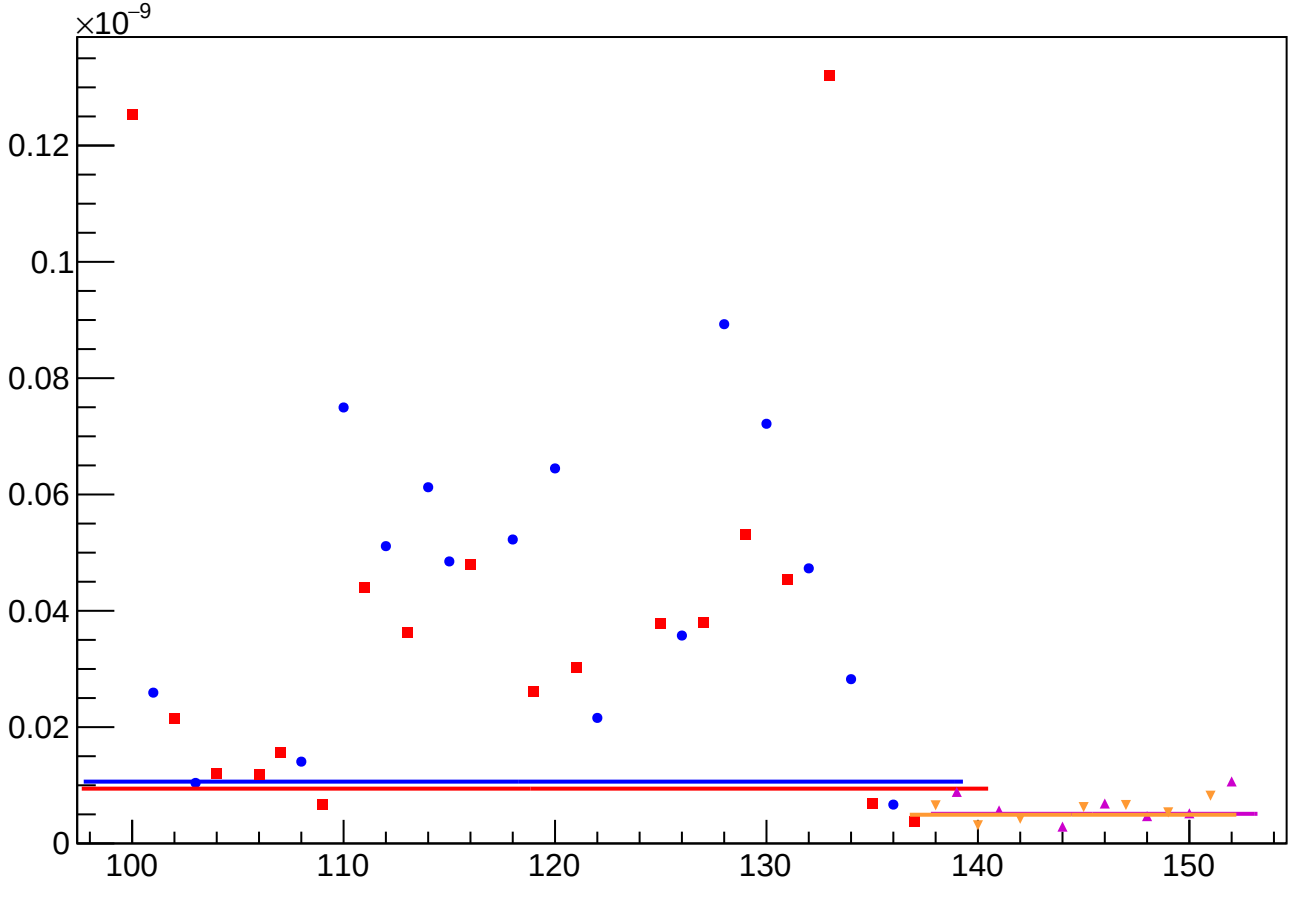
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 56.138+/-0.012 χ^2/NDF:3175707.3/22

Out: 50.385+/-0.012 χ^2/NDF:4273332.6/24

All: 53.153+/-0.008 χ^2/NDF: 7564694.5/47


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:4.2/6
Left: -0.000+/-0.000 χ²/NDF: 12.5/13
Right: 0.000+/-0.000 χ²/NDF: 41.5/33
In: -0.000+/-0.000 χ²/NDF:22.7/22
Out: 0.000+/-0.000 χ²/NDF:30.5/24
All: -0.000+/-0.000 χ²/NDF: 55.6/47



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:1087979.9/6

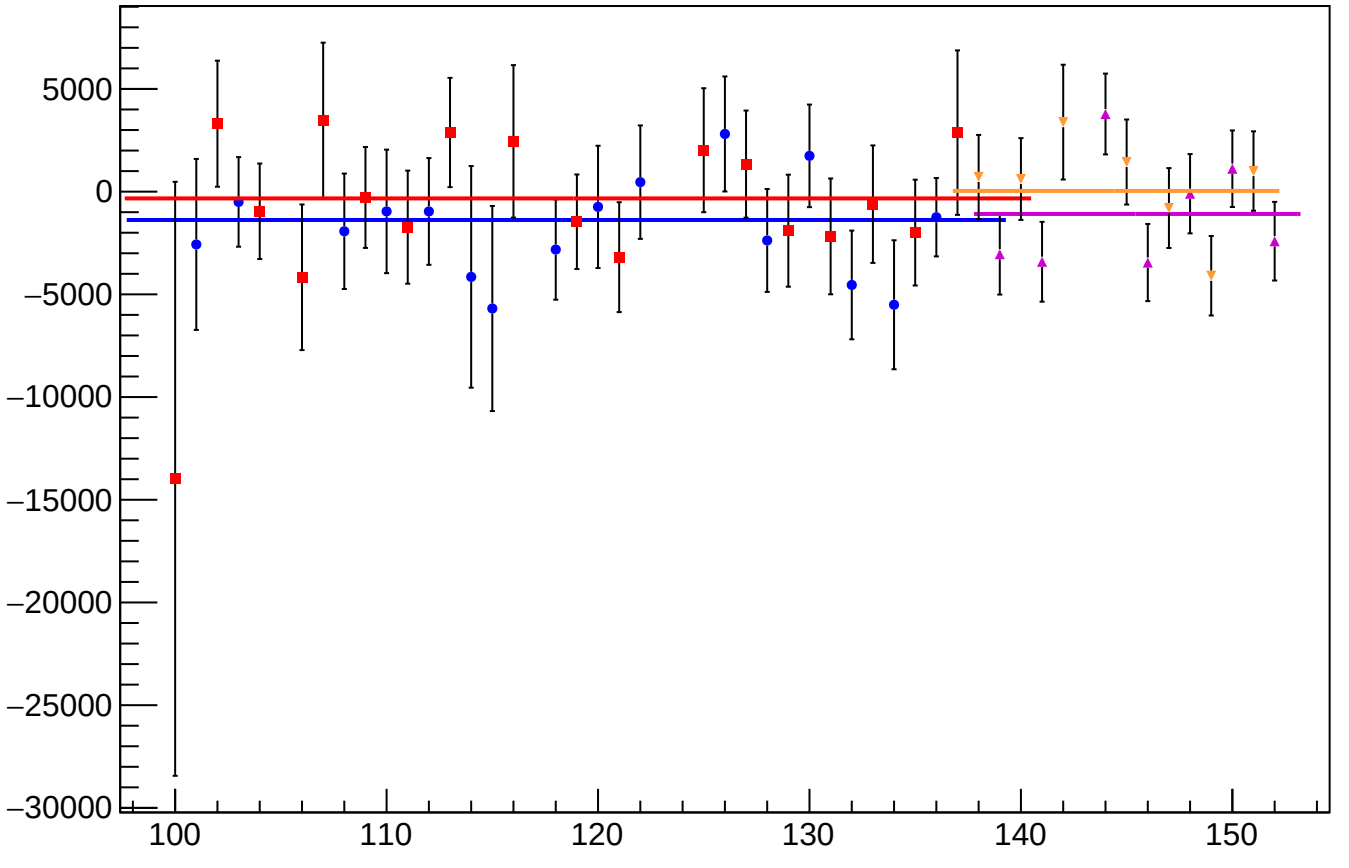
Left: 0.000+/-0.000 χ^2/NDF: 1792469.9/13

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:6769401.4/22

Out: 0.000+/-0.000 χ^2/NDF:5544554.9/24

All: 0.000+/-0.000 χ^2/NDF: 12322725.5/47



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: -1085.682+/-726.581 χ^2/NDF:12.3/6

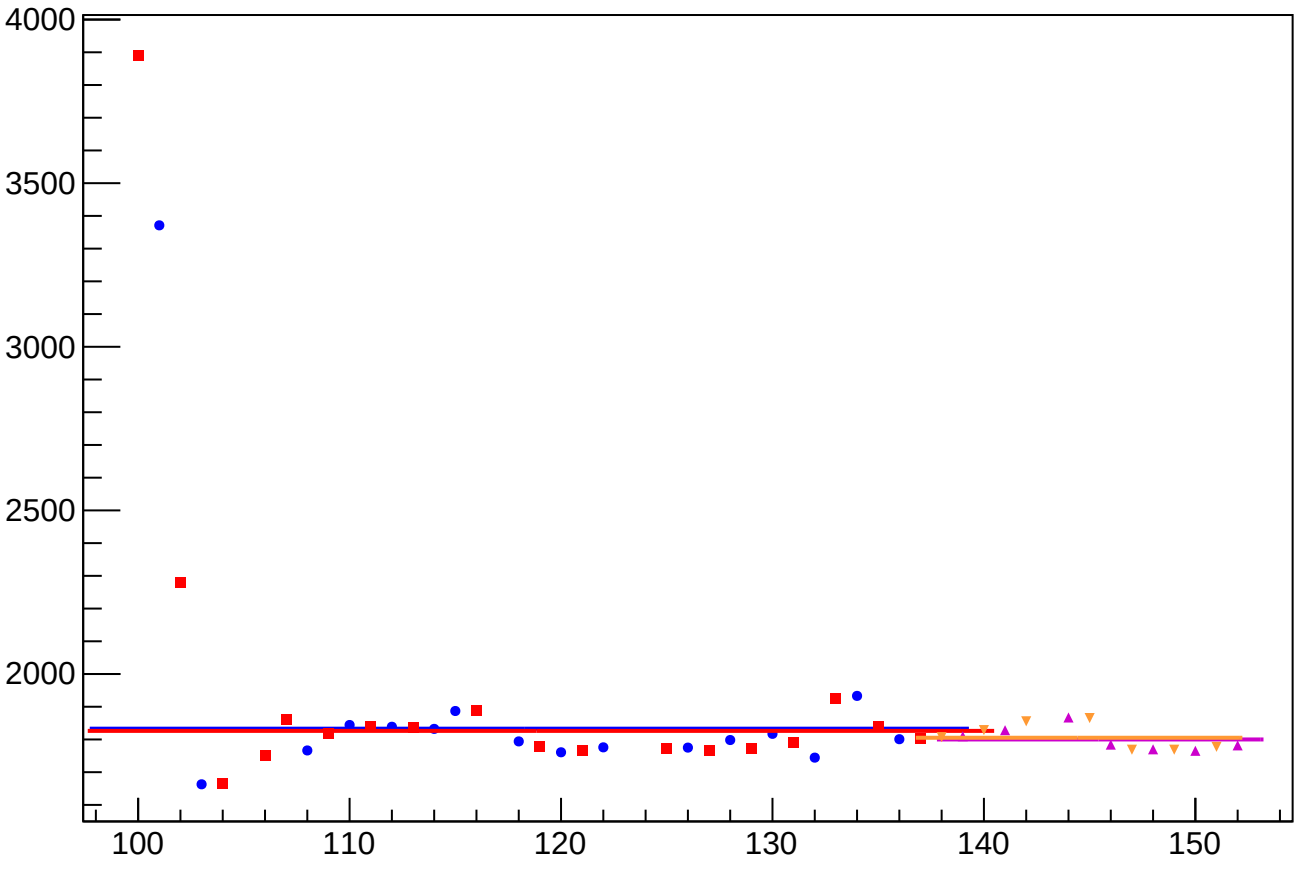
Left: -563.079+/-531.025 χ^2/NDF: 20.5/13

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1239.989+/-499.966 χ^2/NDF:21.6/22

Out: -169.714+/-513.656 χ^2/NDF:18.3/24

All: -719.304+/-358.271 χ^2/NDF: 42.1/47



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: 1799.992+/-0.514 χ^2/NDF:4299.5/6

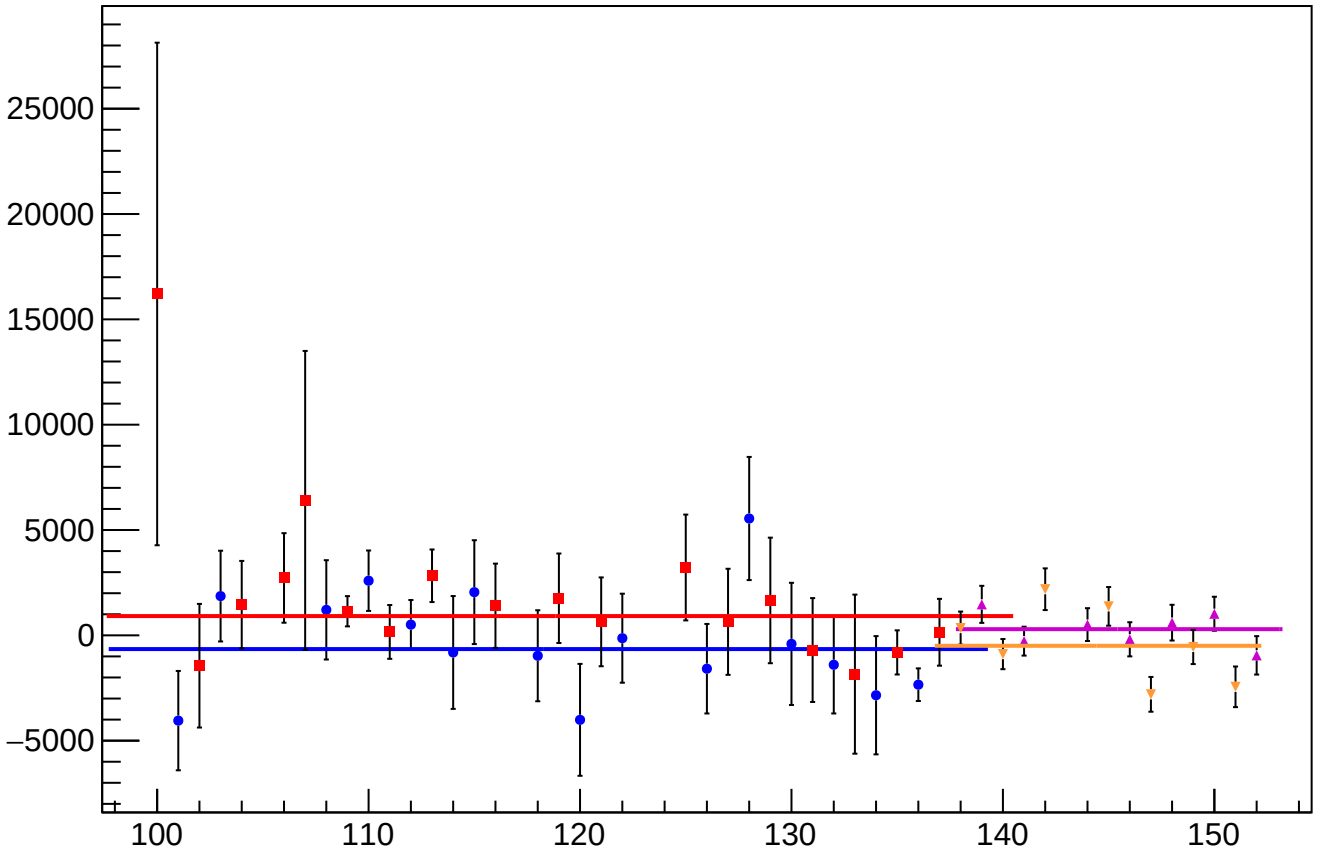
Left: 1802.423+/-0.375 χ^2/NDF: 8794.9/13

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1817.343+/-0.354 χ^2/NDF:301905.1/22

Out: 1817.055+/-0.363 χ^2/NDF:108275.8/24

All: 1817.203+/-0.253 χ^2/NDF: 410181.2/47



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: 293.434+/-305.464 χ^2/NDF:5.7/6

Left: -84.703+/-220.508 χ^2/NDF: 33.8/13

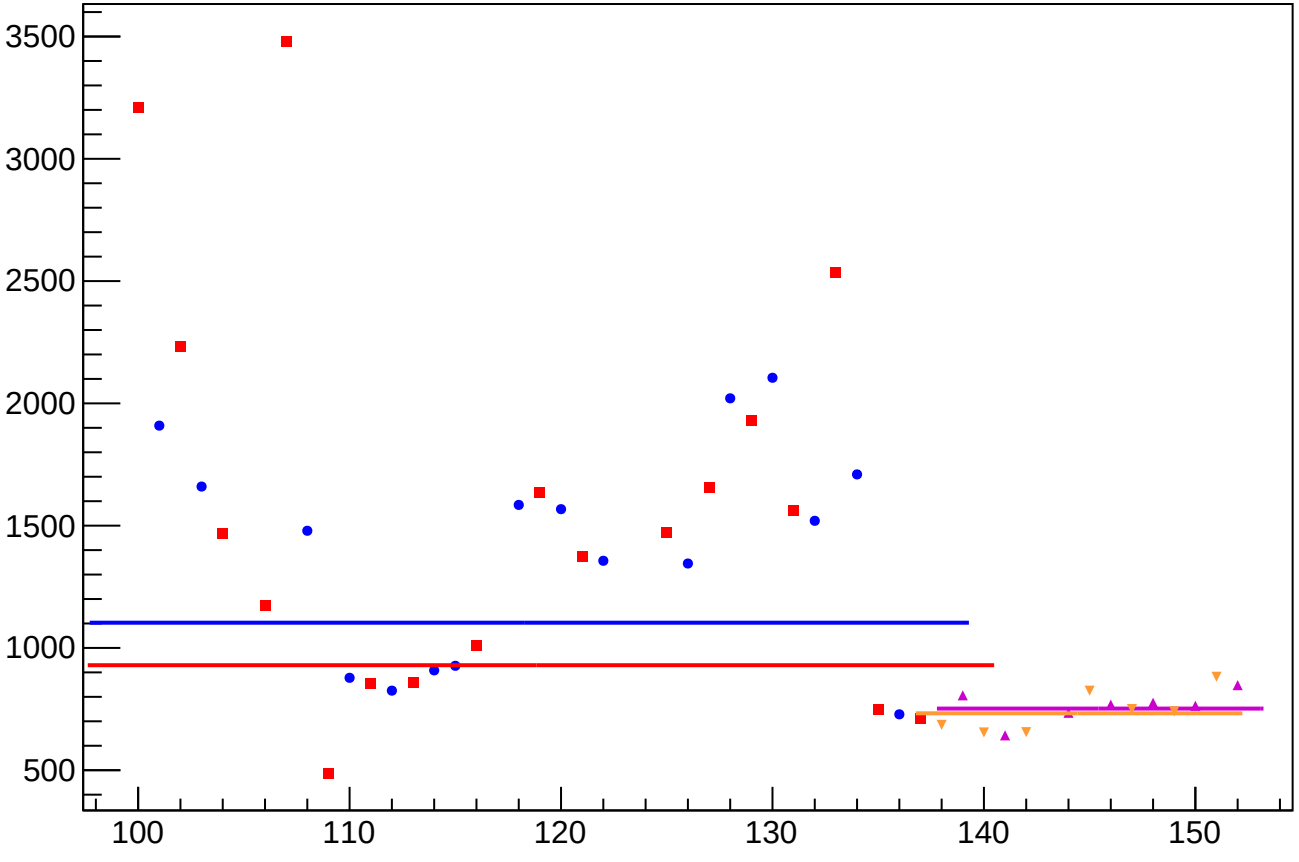
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -12.016+/-251.317 χ^2/NDF:32.0/22

Out: 62.723+/-247.616 χ^2/NDF:44.1/24

All: 25.908+/-176.385 χ^2/NDF: 76.2/47

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 732.656+/-0.225 χ^2/NDF:112750.6/6

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 752.019+/-0.216 χ^2/NDF:84304.6/6

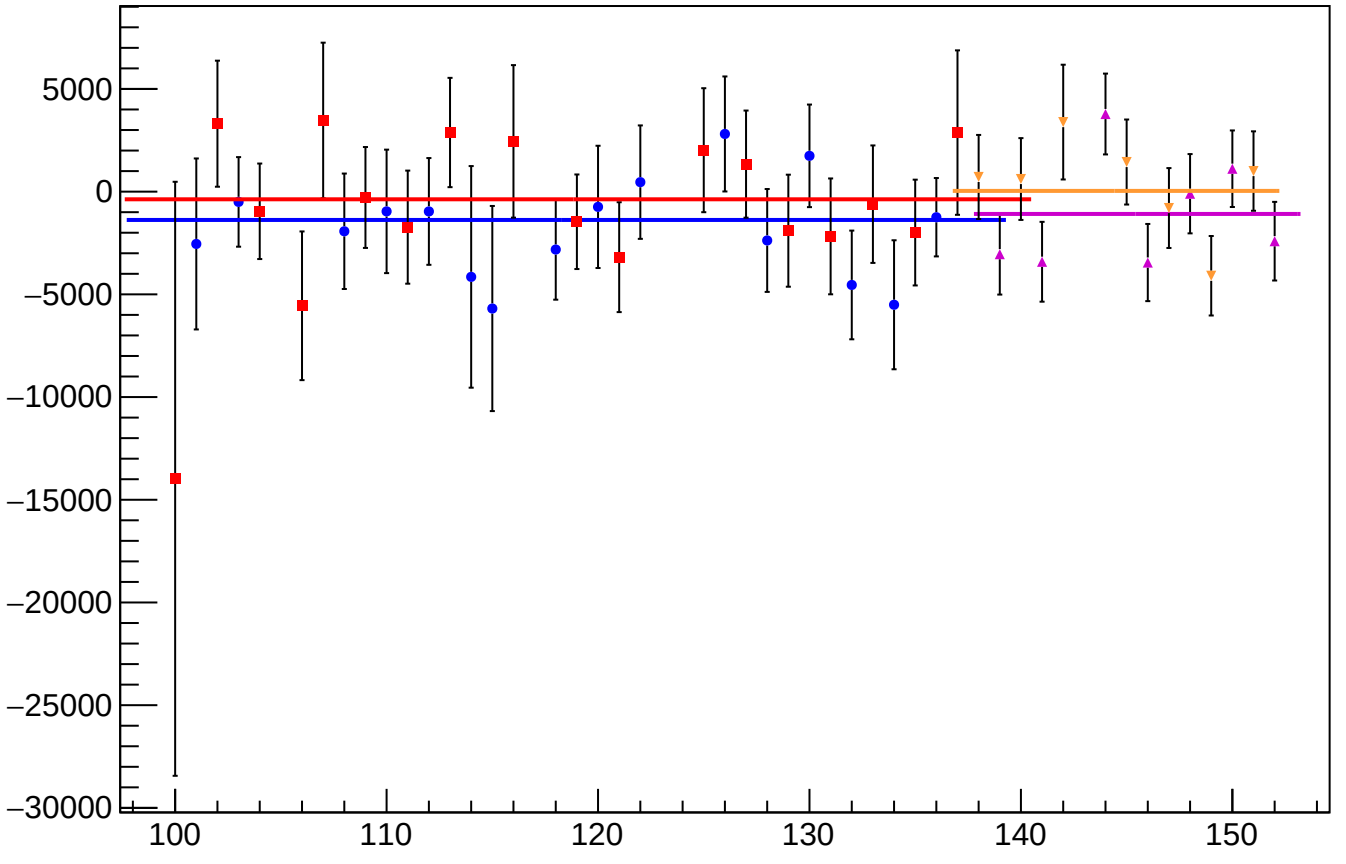
Left: 742.746+/-0.156 χ^2/NDF: 200903.5/13

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 865.480+/-0.178 χ^2/NDF:2816499.3/22

Out: 810.576+/-0.175 χ^2/NDF:3468744.5/24

All: 837.620+/-0.125 χ^2/NDF: 6333678.6/47



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 36.149+/-778.020 χ^2/NDF:7.1/6

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1085.693+/-726.581 χ^2/NDF:12.3/6

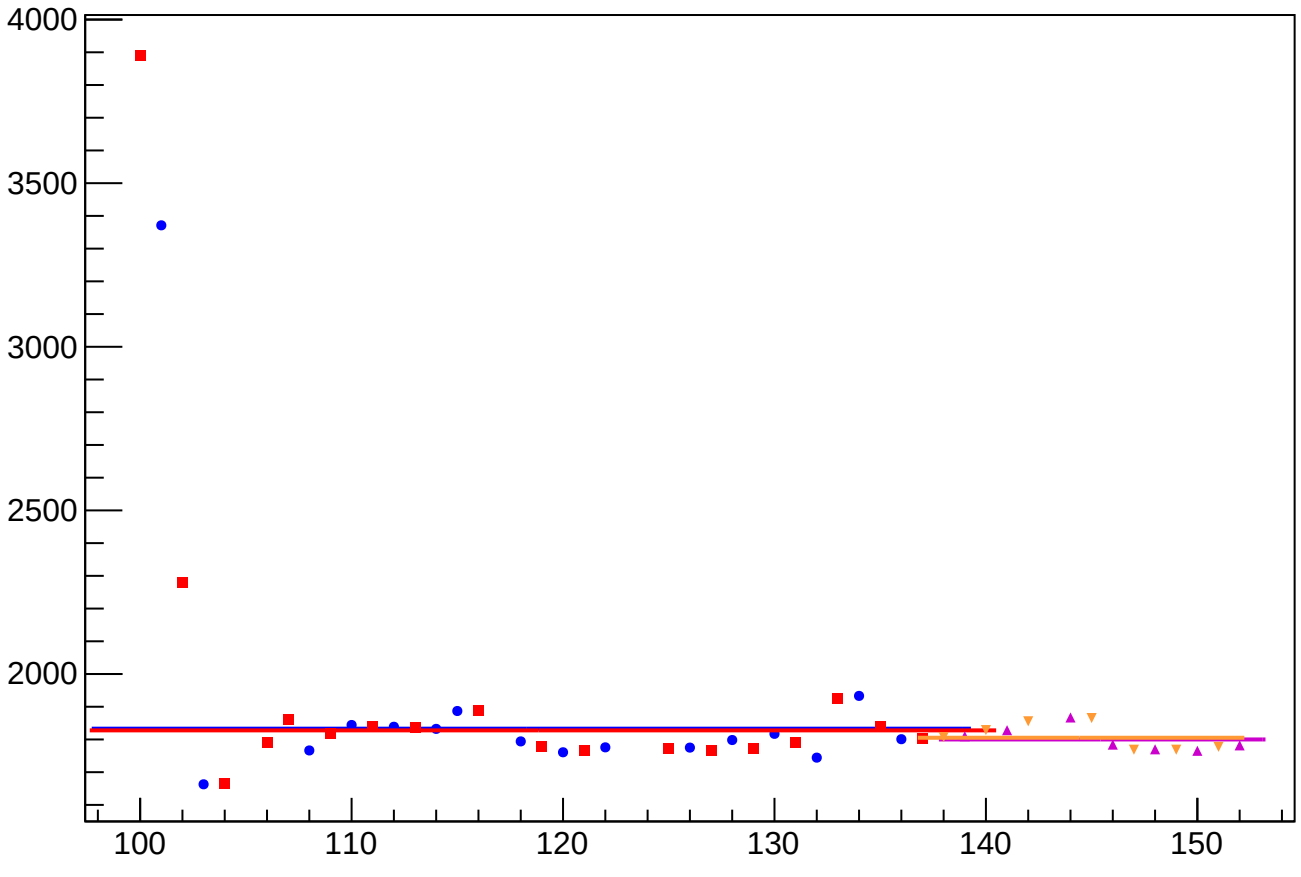
Left: -563.080+/-531.025 χ^2/NDF: 20.5/13

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1239.665+/-499.966 χ^2/NDF:21.6/22

Out: -194.246+/-513.876 χ^2/NDF:19.2/24

All: -731.296+/-358.346 χ^2/NDF: 43.0/47



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: 1799.992+/-0.514 χ^2/NDF:4299.5/6

Left: 1802.423+/-0.375 χ^2/NDF: 8794.9/13

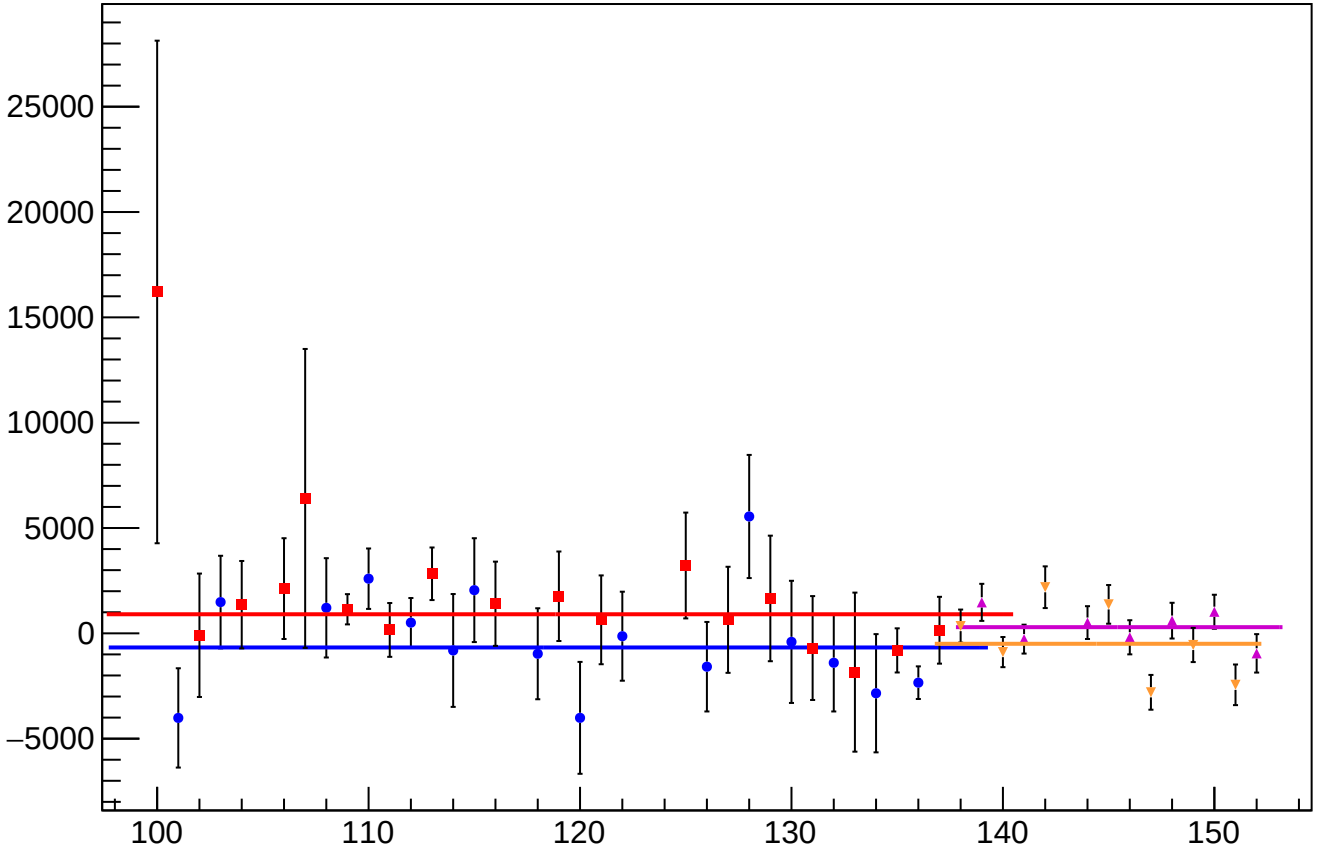
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1817.343+/-0.354 χ^2/NDF:301907.0/22

Out: 1817.937+/-0.363 χ^2/NDF:107666.9/24

All: 1817.632+/-0.253 χ^2/NDF: 409575.3/47

asym_us_dd_atlr_dd_avg_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: 293.344+/-305.464 χ^2/NDF:5.7/6

Left: -84.787+/-220.510 χ^2/NDF: 33.8/13

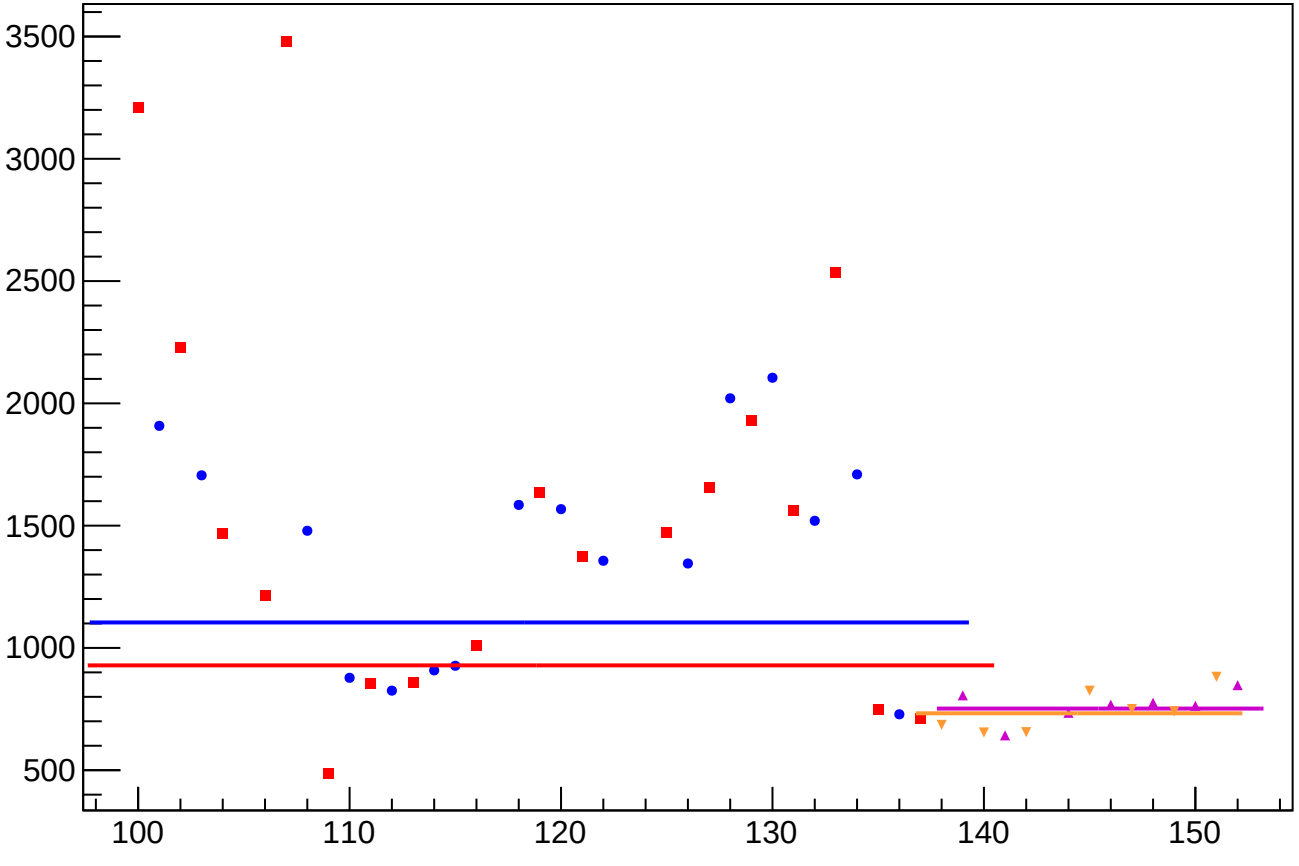
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -17.733+/-251.385 χ^2/NDF:31.7/22

Out: 56.806+/-247.963 χ^2/NDF:43.0/24

All: 20.047+/-176.534 χ^2/NDF: 74.7/47

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: 752.019+/-0.216 χ^2/NDF:84328.8/6

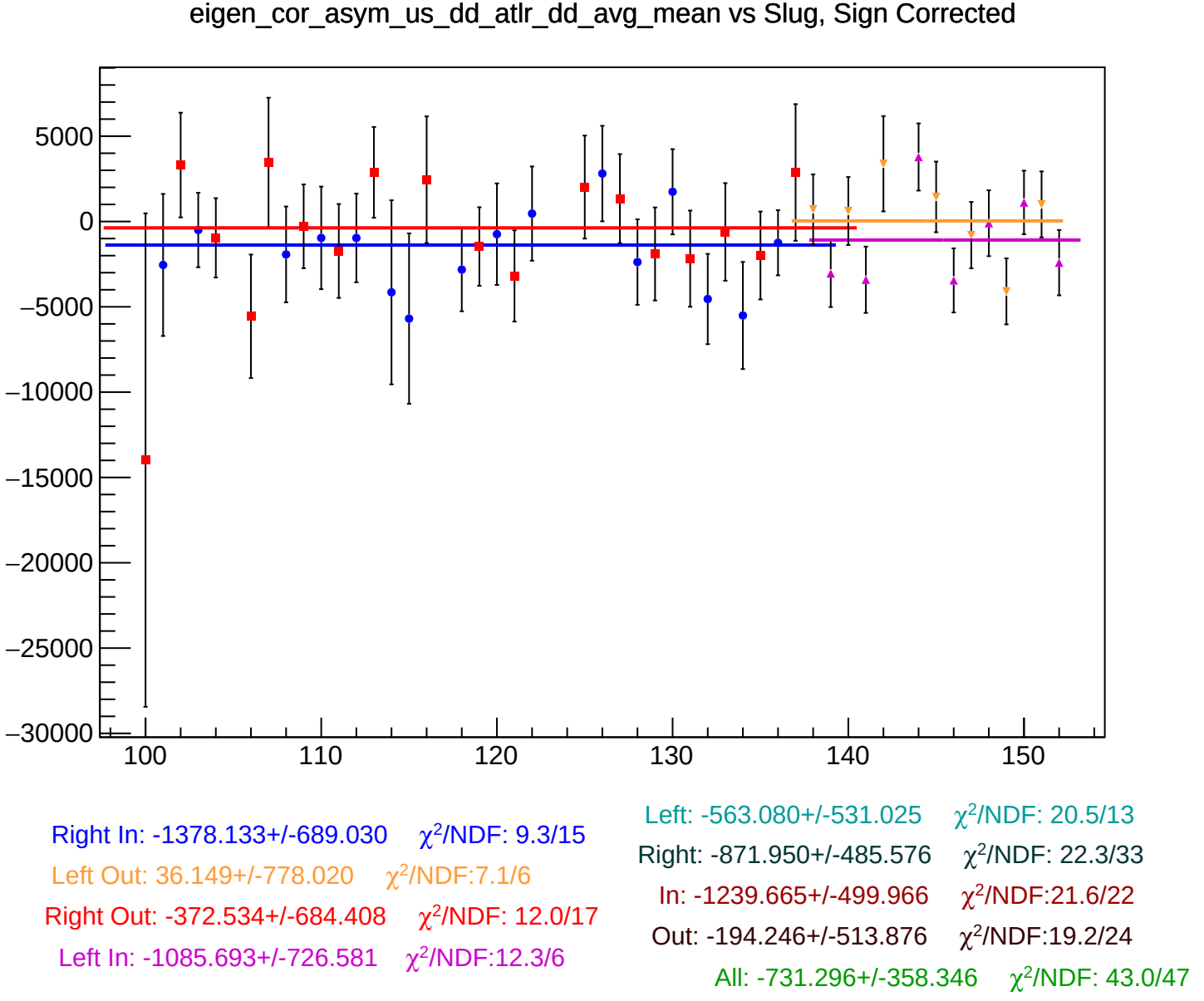
Left: 742.750+/-0.156 χ^2/NDF: 200914.7/13

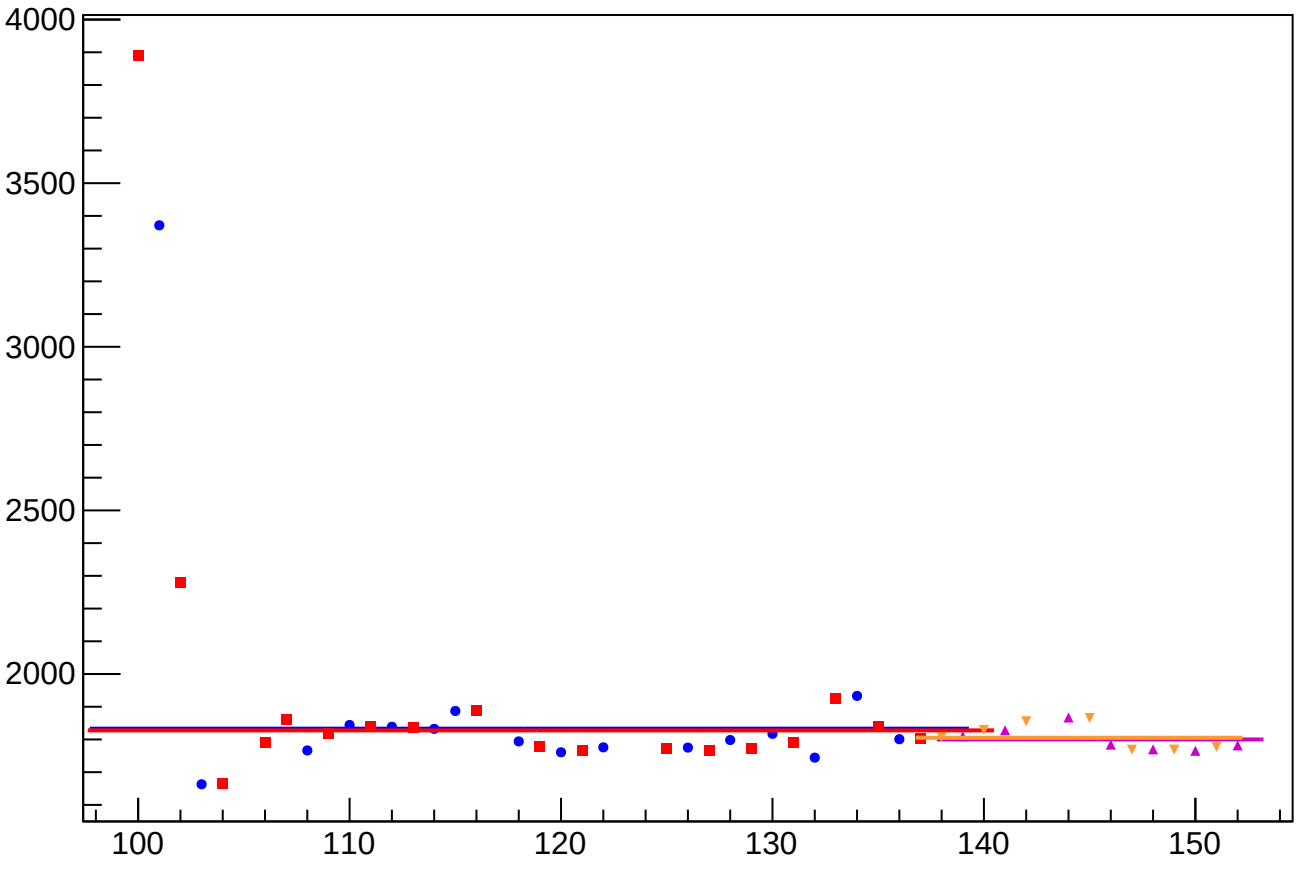
Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 865.648+/-0.178 χ^2/NDF:2836333.2/22

Out: 809.962+/-0.175 χ^2/NDF:3465488.7/24

All: 837.423+/-0.125 χ^2/NDF: 6351563.3/47


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: -1085.693+/-726.581 χ²/NDF:12.3/6
Left: -563.080+/-531.025 χ²/NDF: 20.5/13
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -1239.665+/-499.966 χ²/NDF:21.6/22
Out: -194.246+/-513.876 χ²/NDF:19.2/24
All: -731.296+/-358.346 χ²/NDF: 43.0/47



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: 1799.992+/-0.514 χ^2/NDF:4299.5/6

Left: 1802.423+/-0.375 χ^2/NDF: 8794.9/13

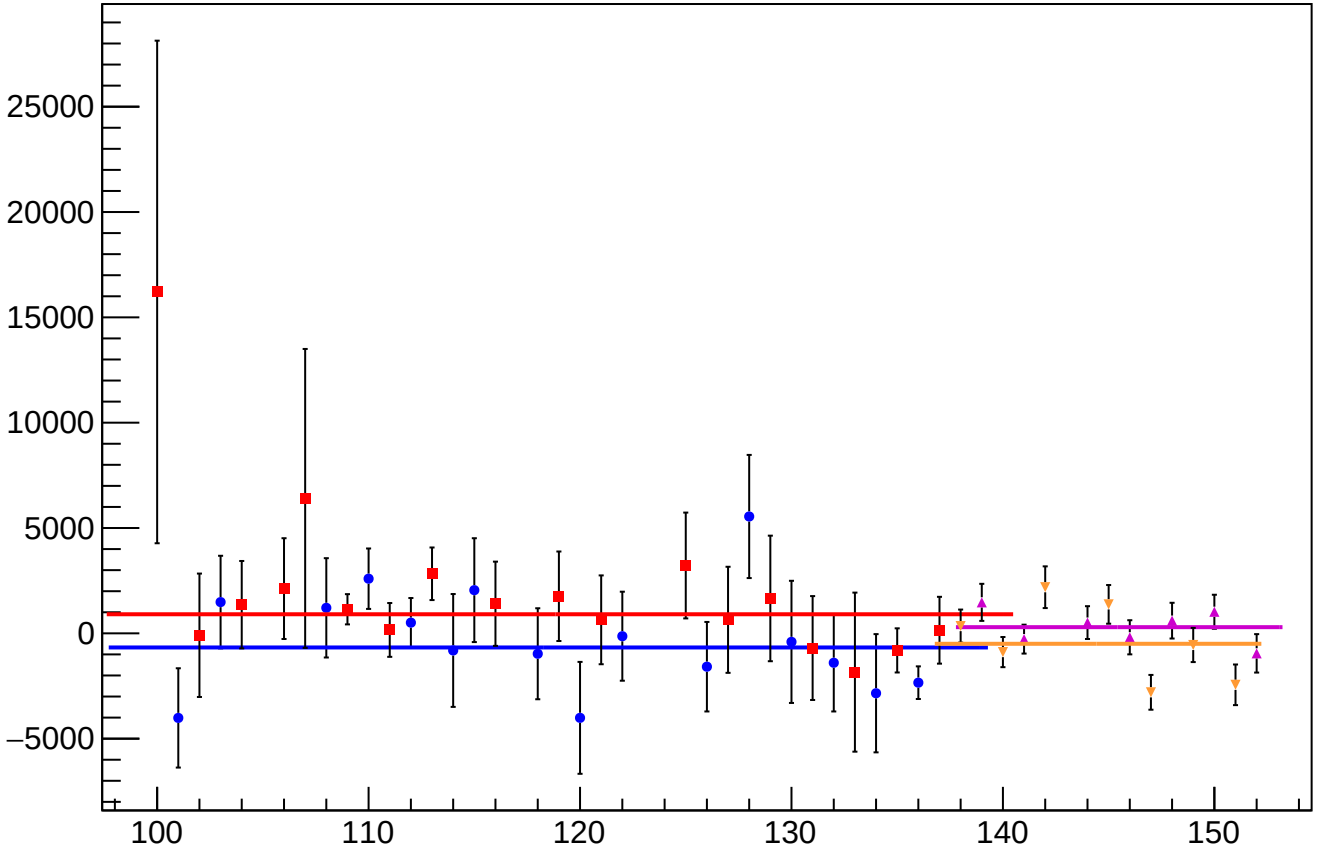
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1817.343+/-0.354 χ^2/NDF:301907.0/22

Out: 1817.937+/-0.363 χ^2/NDF:107666.9/24

All: 1817.632+/-0.253 χ^2/NDF: 409575.3/47

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: 293.344+/-305.464 χ^2/NDF:5.7/6

Left: -84.787+/-220.510 χ^2/NDF: 33.8/13

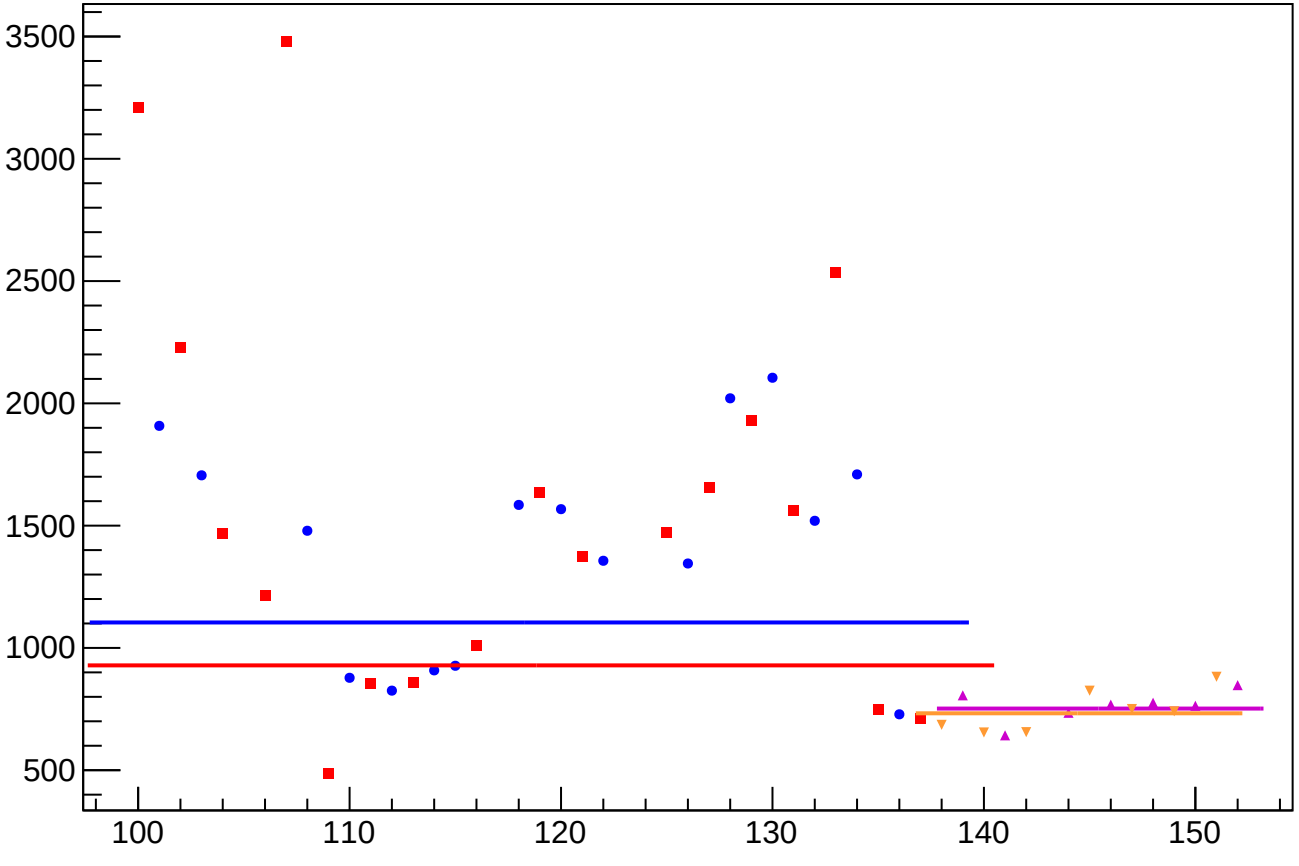
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -17.733+/-251.385 χ^2/NDF:31.7/22

Out: 56.806+/-247.963 χ^2/NDF:43.0/24

All: 20.047+/-176.534 χ^2/NDF: 74.7/47

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: 752.019+/-0.216 χ^2/NDF:84328.8/6

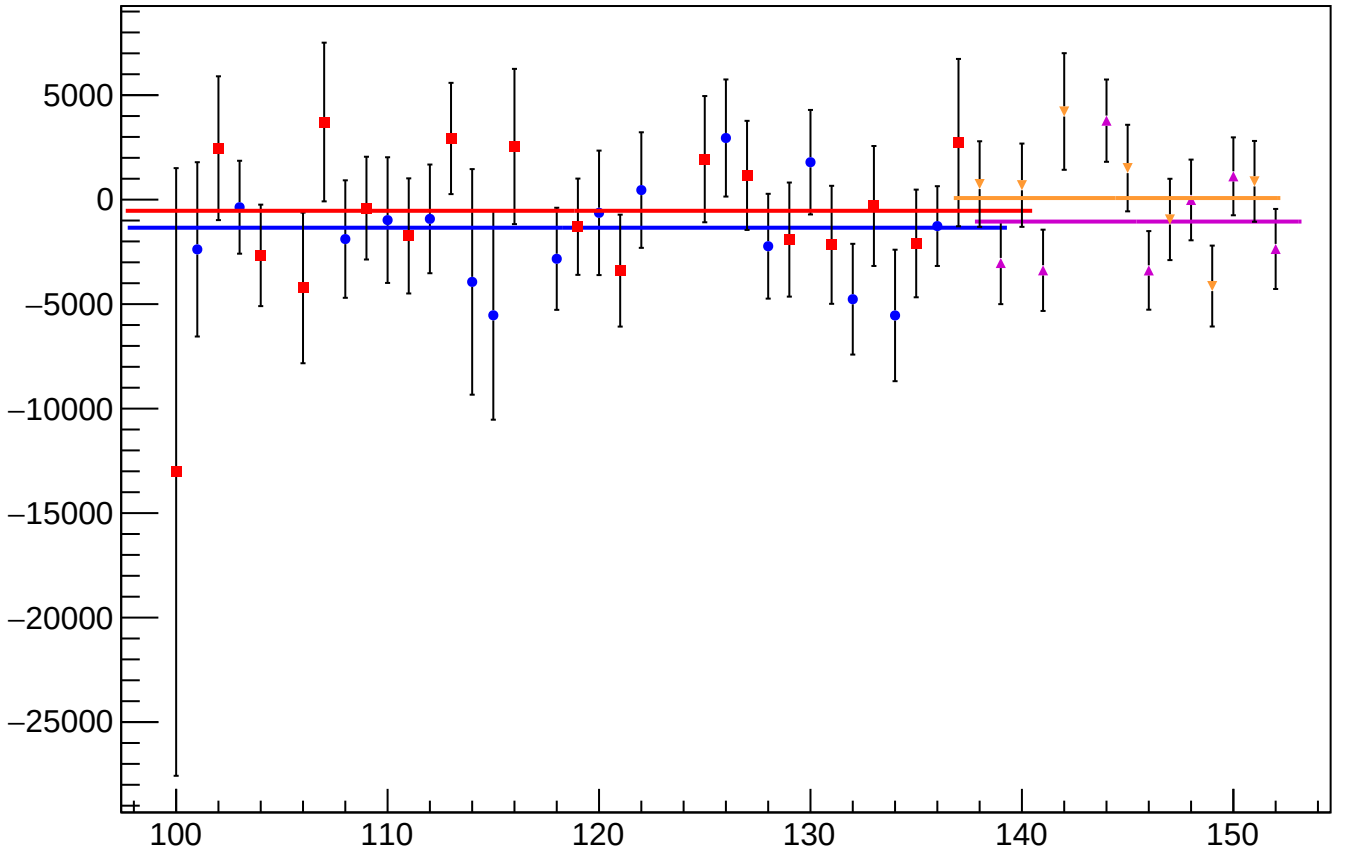
Left: 742.750+/-0.156 χ^2/NDF: 200914.7/13

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 865.648+/-0.178 χ^2/NDF:2836333.2/22

Out: 809.962+/-0.175 χ^2/NDF:3465488.7/24

All: 837.423+/-0.125 χ^2/NDF: 6351563.3/47



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: -1049.971+/-727.066 χ^2/NDF:12.1/6

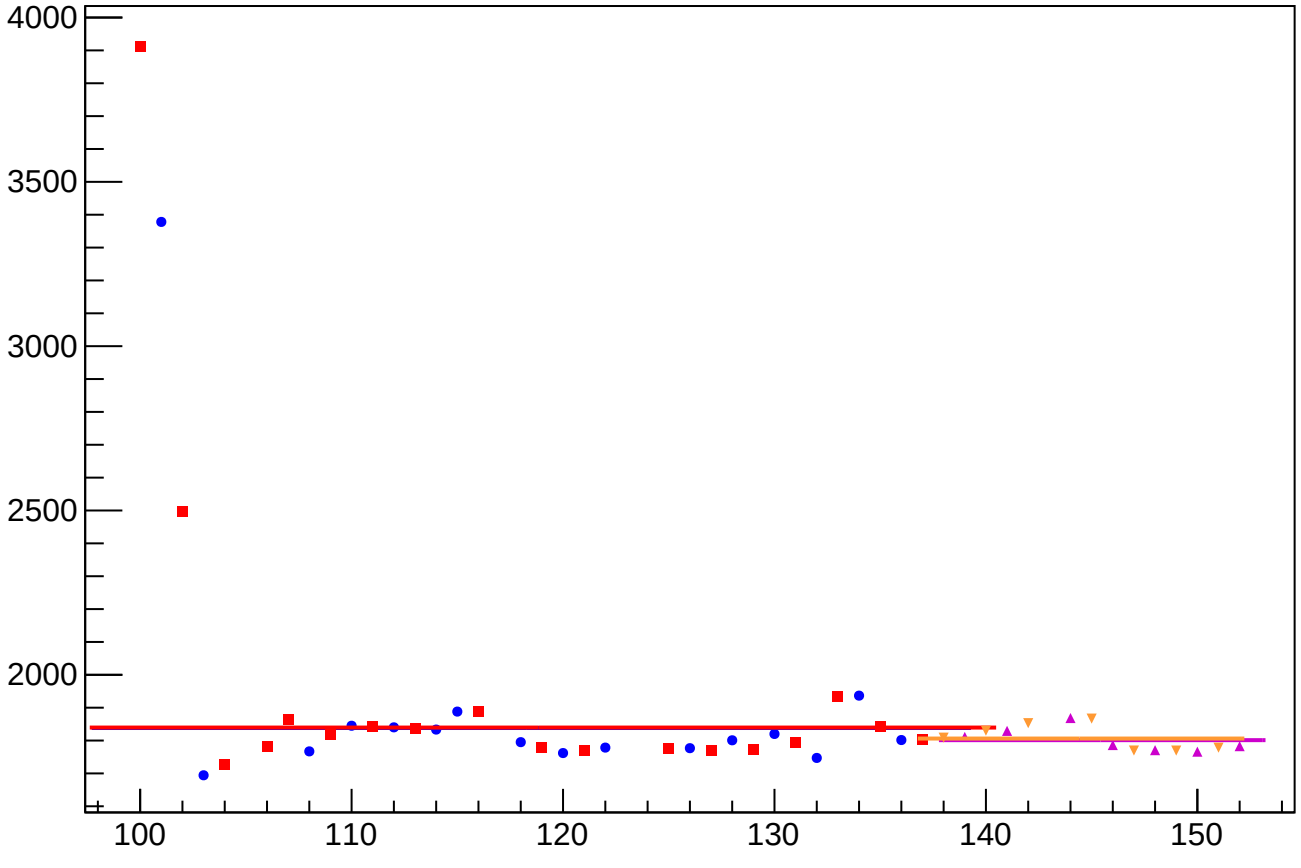
Left: -525.534+/-531.337 χ^2/NDF: 21.3/13

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -1204.446+/-500.853 χ^2/NDF:21.8/22

Out: -265.463+/-516.750 χ^2/NDF:19.5/24

All: -749.620+/-359.645 χ^2/NDF: 43.0/47



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: 1801.190+/-0.514 χ^2/NDF:4321.6/6

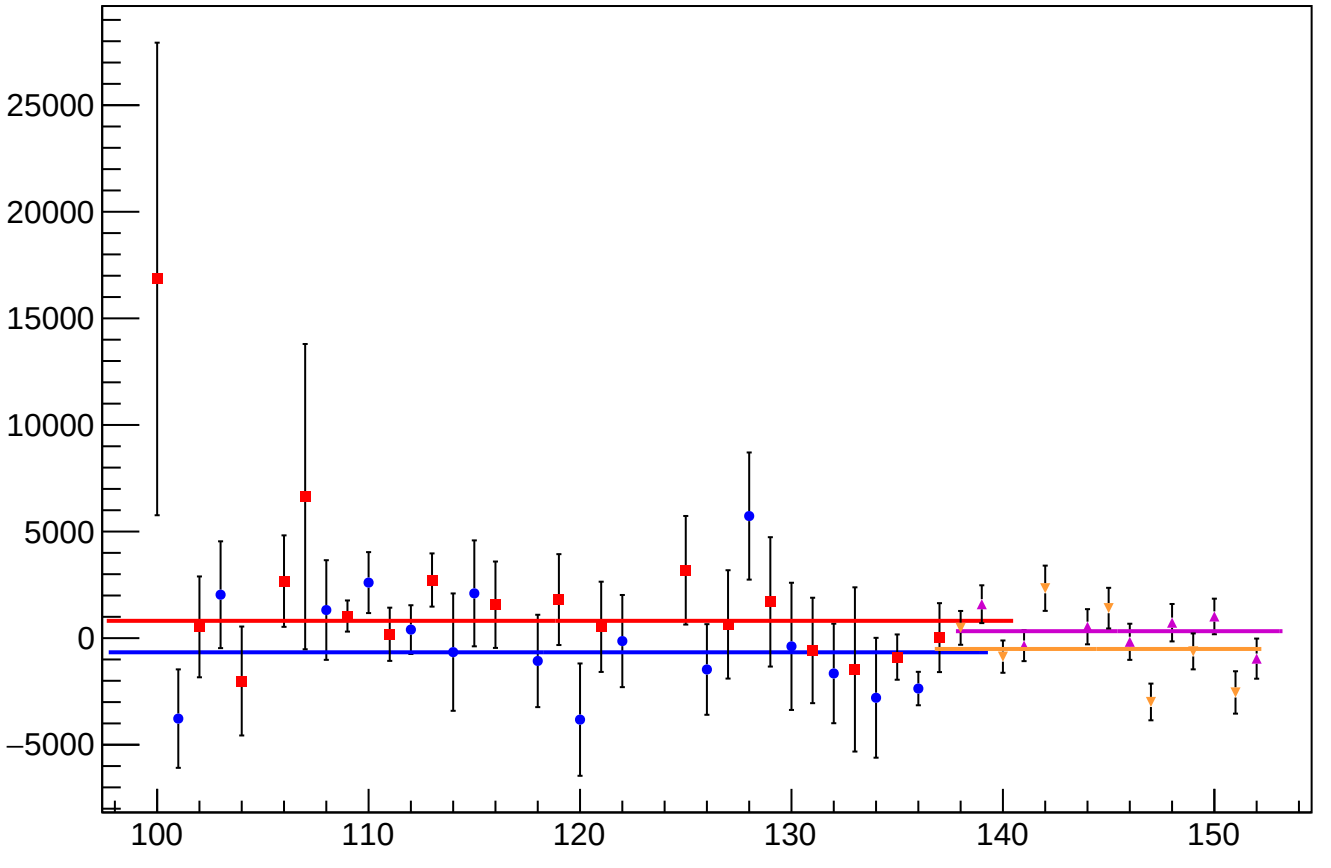
Left: 1803.472+/-0.376 χ^2/NDF: 8758.9/13

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1820.616+/-0.354 χ^2/NDF:299022.7/22

Out: 1824.785+/-0.365 χ^2/NDF:134711.8/24

All: 1822.635+/-0.254 χ^2/NDF: 433801.6/47



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: 326.872+/-318.092 χ^2/NDF:6.1/6

Left: -72.744+/-229.573 χ^2/NDF: 34.9/13

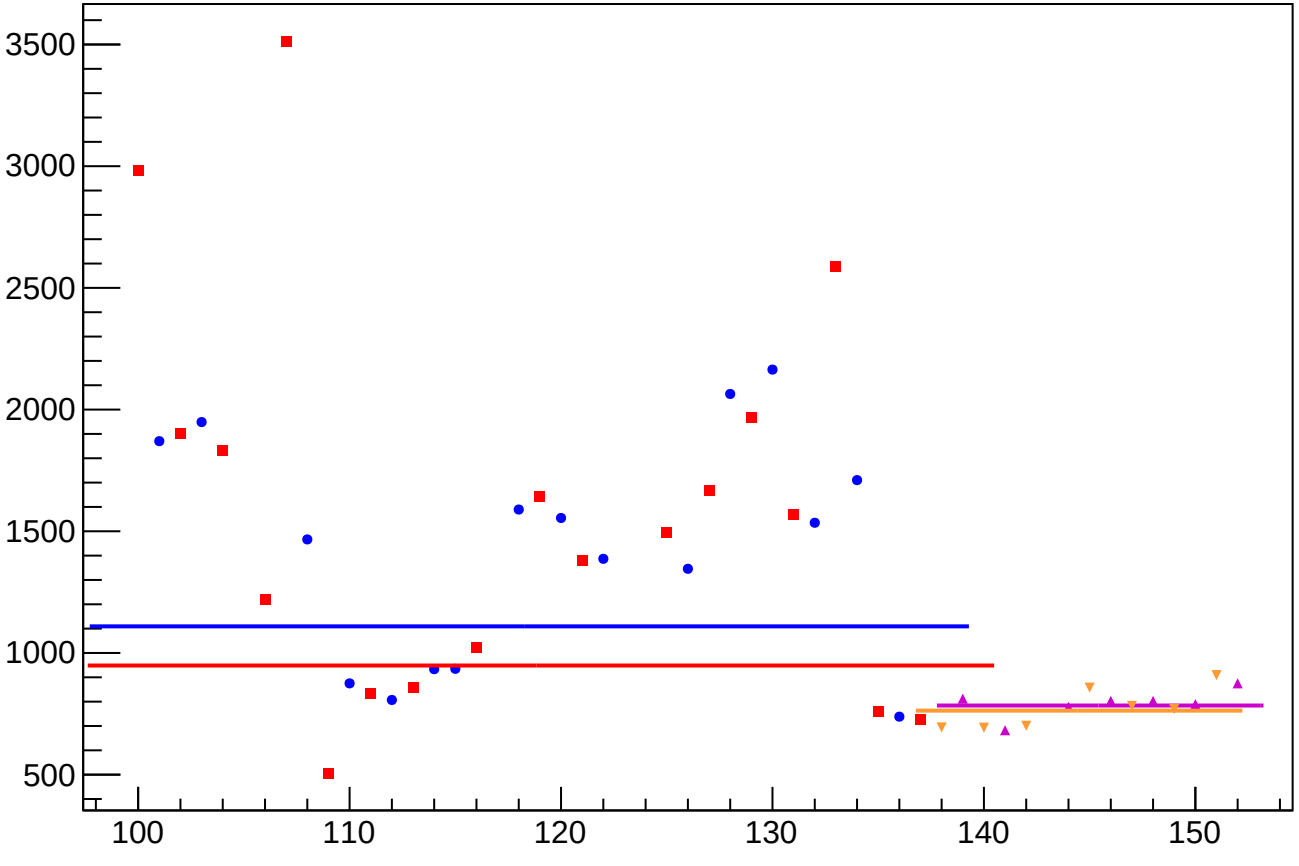
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -7.139+/-258.955 χ^2/NDF:32.1/22

Out: 34.840+/-254.578 χ^2/NDF:44.3/24

All: 14.208+/-181.542 χ^2/NDF: 76.4/47

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: 784.075+/-0.225 χ^2/NDF:61809.9/6

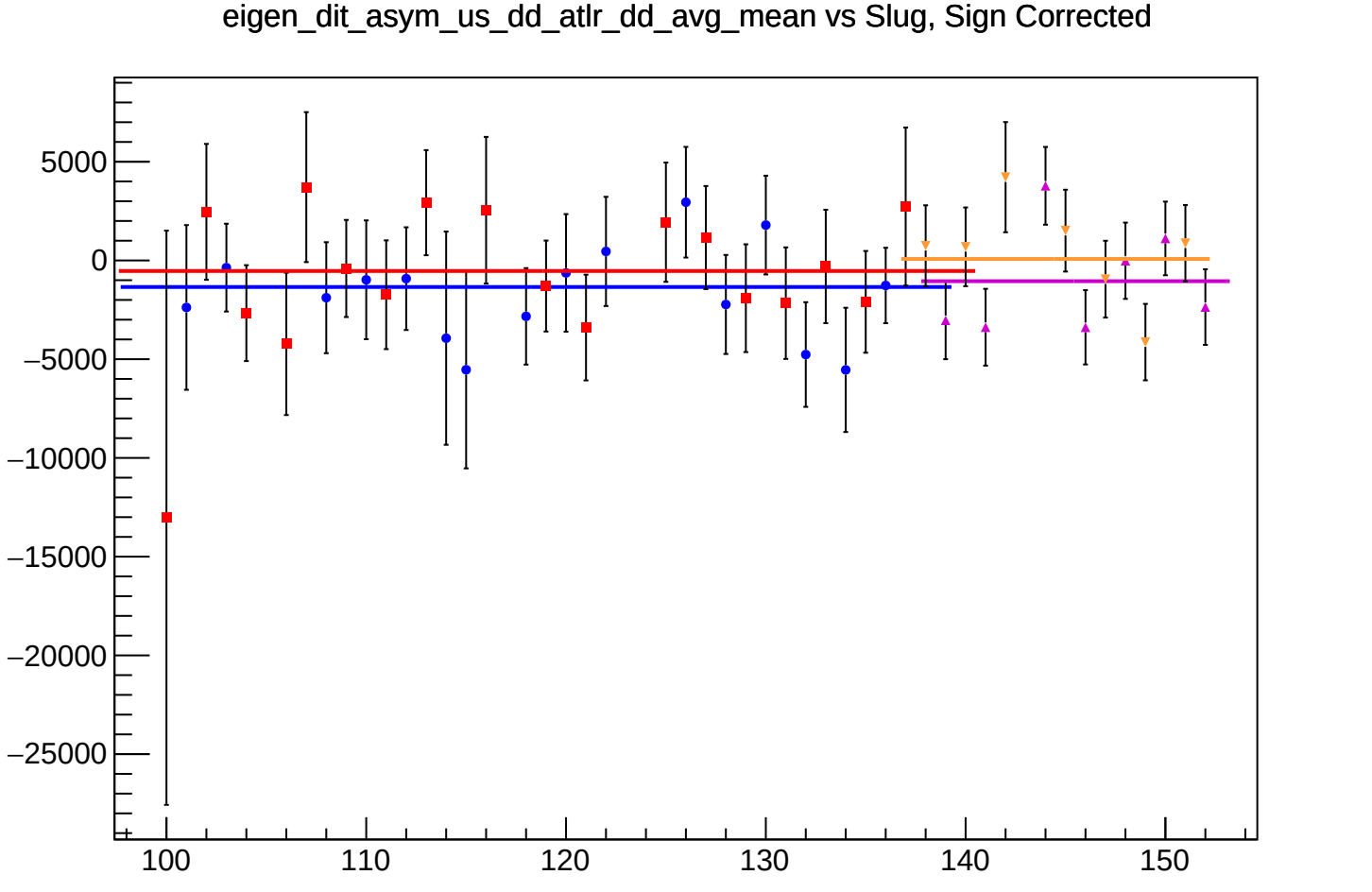
Left: 774.000+/-0.162 χ^2/NDF: 169057.4/13

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 893.782+/-0.183 χ^2/NDF:2740552.4/22

Out: 839.209+/-0.180 χ^2/NDF:3413454.3/24

All: 866.031+/-0.128 χ^2/NDF: 6199175.7/47



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: 75.584+/-778.408 χ^2/NDF:8.1/6

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: -1049.967+/-727.066 χ^2/NDF:12.1/6

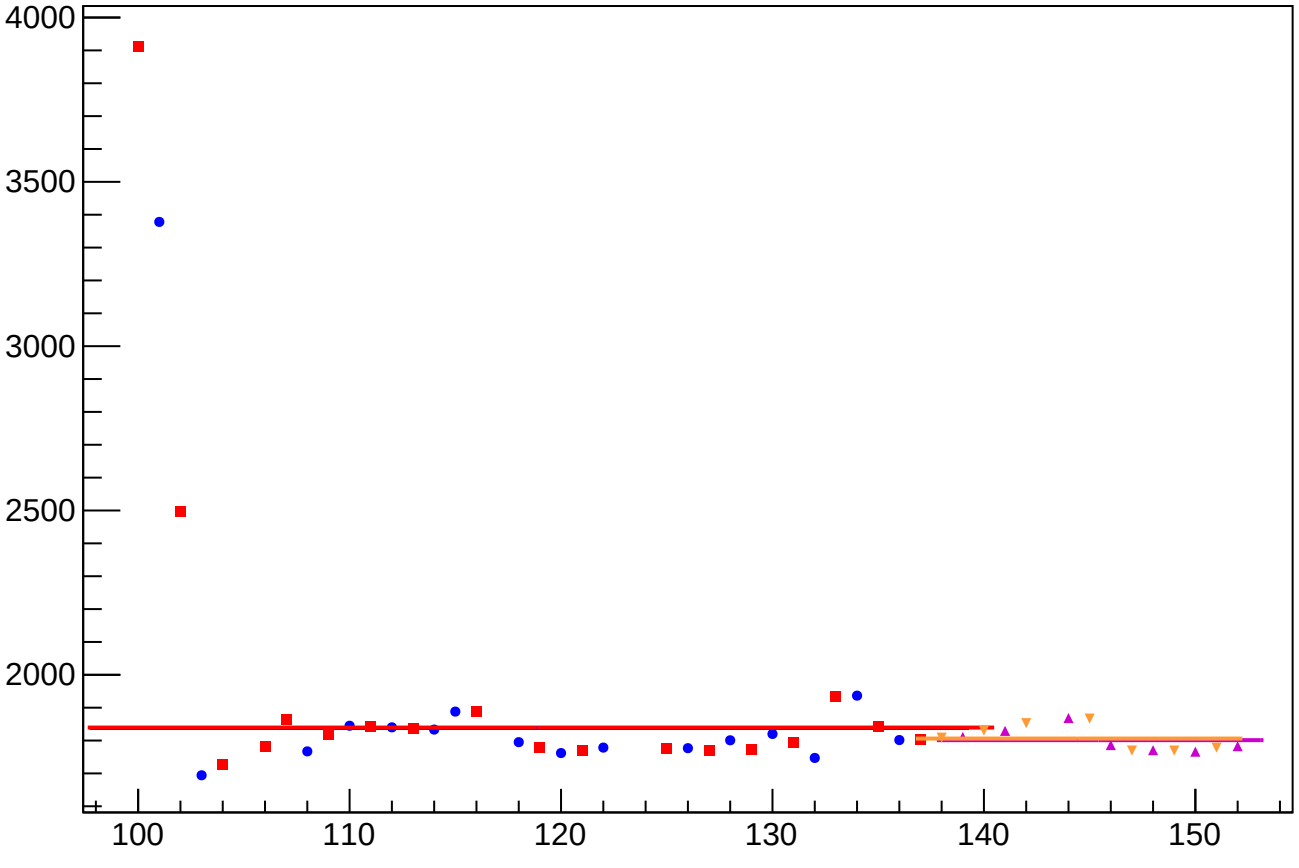
Left: -525.532+/-531.337 χ^2/NDF: 21.3/13

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -1204.446+/-500.853 χ^2/NDF:21.8/22

Out: -265.465+/-516.750 χ^2/NDF:19.5/24

All: -749.621+/-359.645 χ^2/NDF: 43.0/47



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: 1801.190+/-0.514 χ^2/NDF:4321.6/6

Left: 1803.472+/-0.376 χ^2/NDF: 8758.9/13

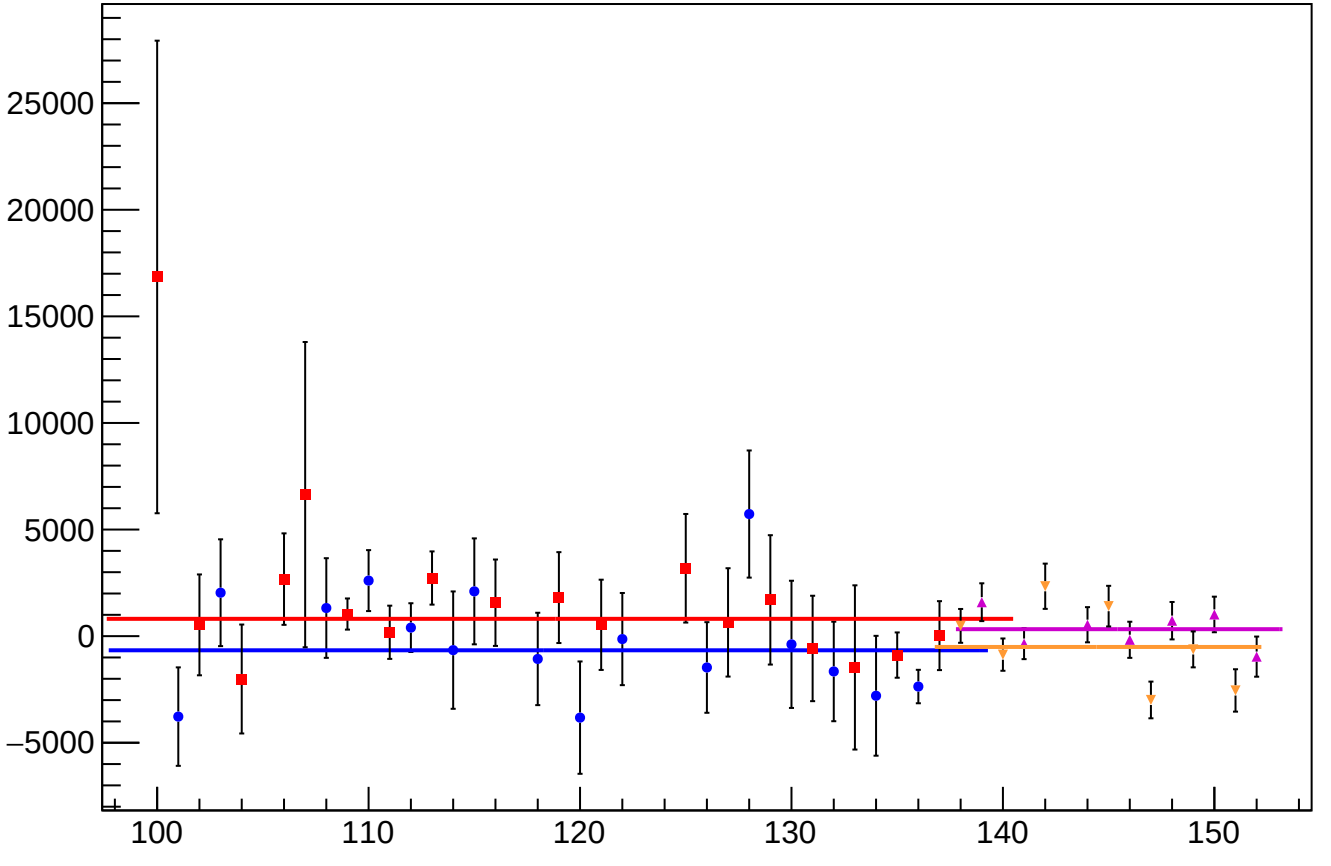
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1820.616+/-0.354 χ^2/NDF:299022.7/22

Out: 1824.785+/-0.365 χ^2/NDF:134711.8/24

All: 1822.635+/-0.254 χ^2/NDF: 433801.6/47

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: 326.870+/-318.093 χ^2/NDF:6.1/6

Left: -72.747+/-229.574 χ^2/NDF: 34.9/13

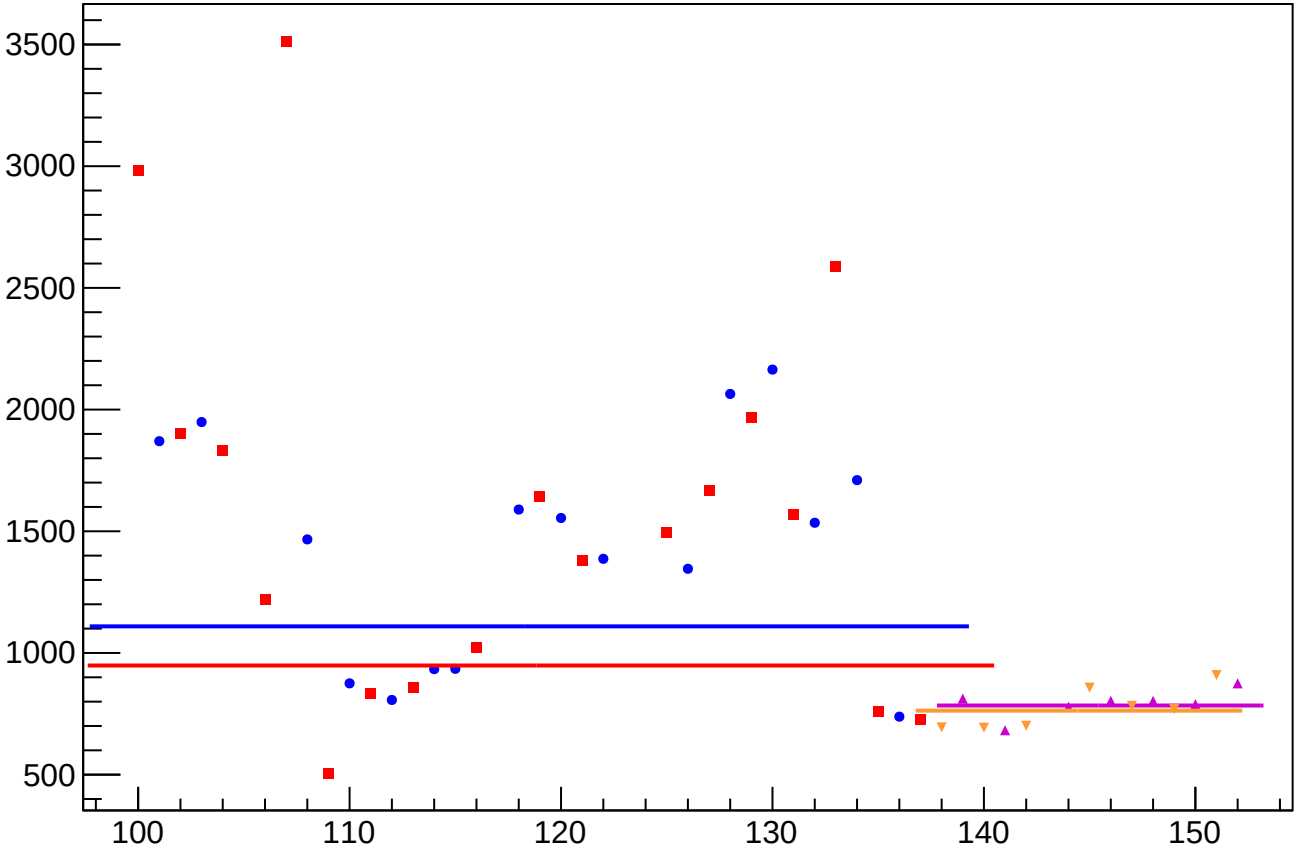
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -7.136+/-258.955 χ^2/NDF:32.1/22

Out: 34.840+/-254.579 χ^2/NDF:44.3/24

All: 14.210+/-181.542 χ^2/NDF: 76.4/47

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: 784.077+/-0.225 χ^2/NDF:61809.9/6

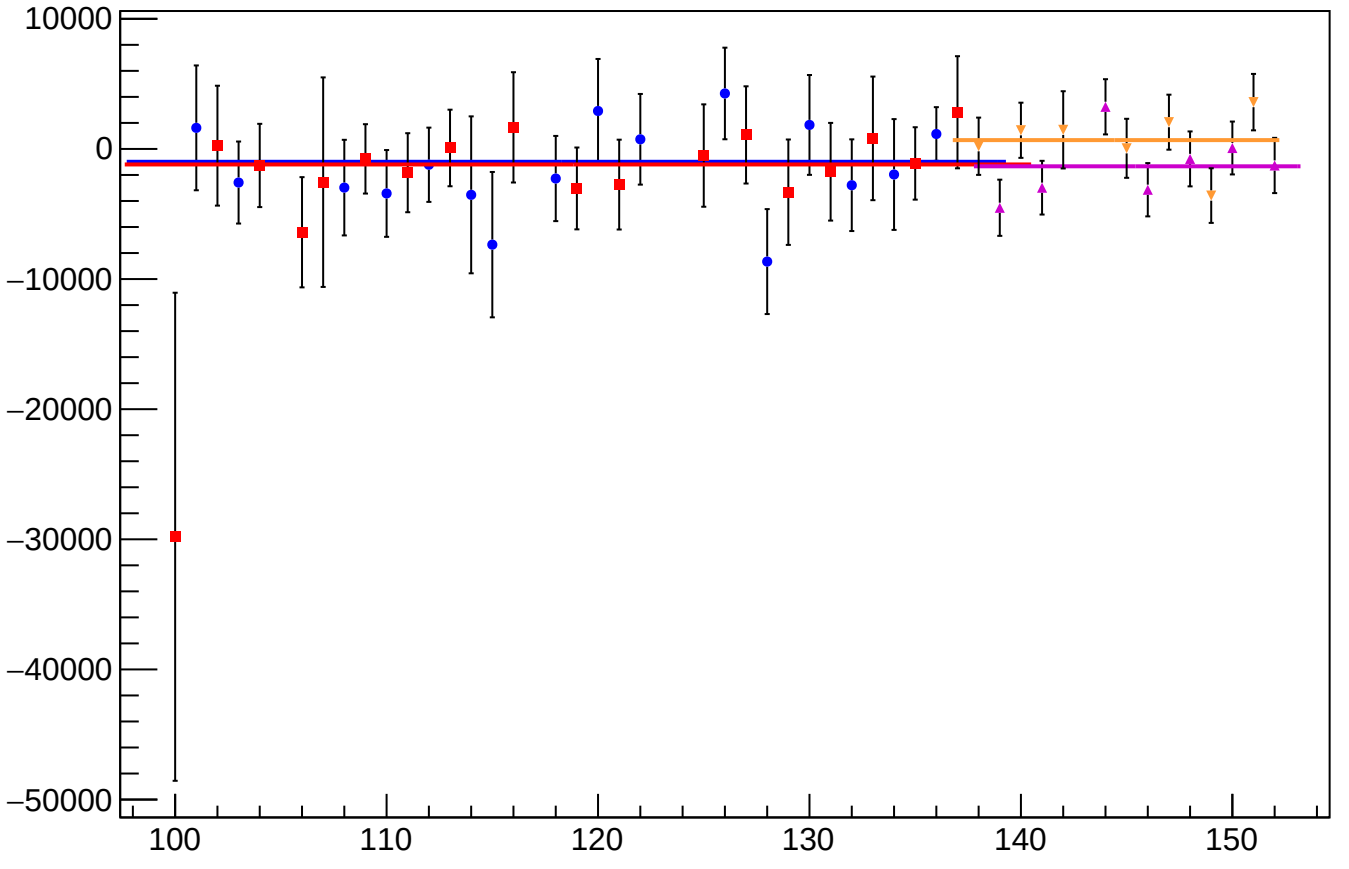
Left: 774.003+/-0.162 χ^2/NDF: 169046.9/13

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 893.784+/-0.183 χ^2/NDF:2740518.6/22

Out: 839.213+/-0.180 χ^2/NDF:3413413.3/24

All: 866.033+/-0.128 χ^2/NDF: 6199097.7/47



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: -1334.595+/-791.001 χ^2/NDF:8.8/6

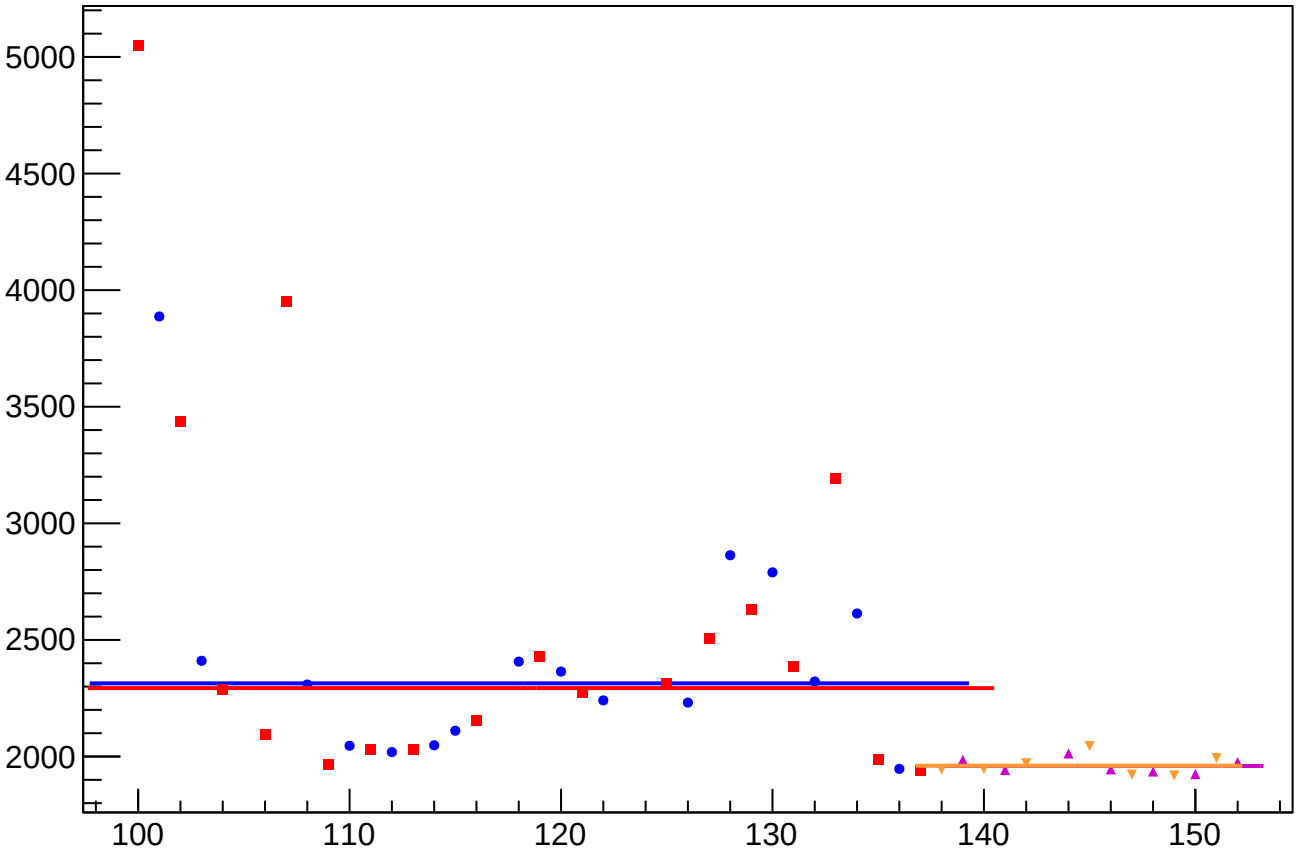
Left: -394.574+/-577.479 χ^2/NDF: 18.5/13

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1178.290+/-586.427 χ^2/NDF:20.9/22

Out: -229.271+/-606.308 χ^2/NDF:16.0/24

All: -719.595+/-421.520 χ^2/NDF: 38.1/47



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: 1959.564+/-0.559 χ^2/NDF:2777.0/6

Left: 1960.020+/-0.408 χ^2/NDF: 7643.7/13

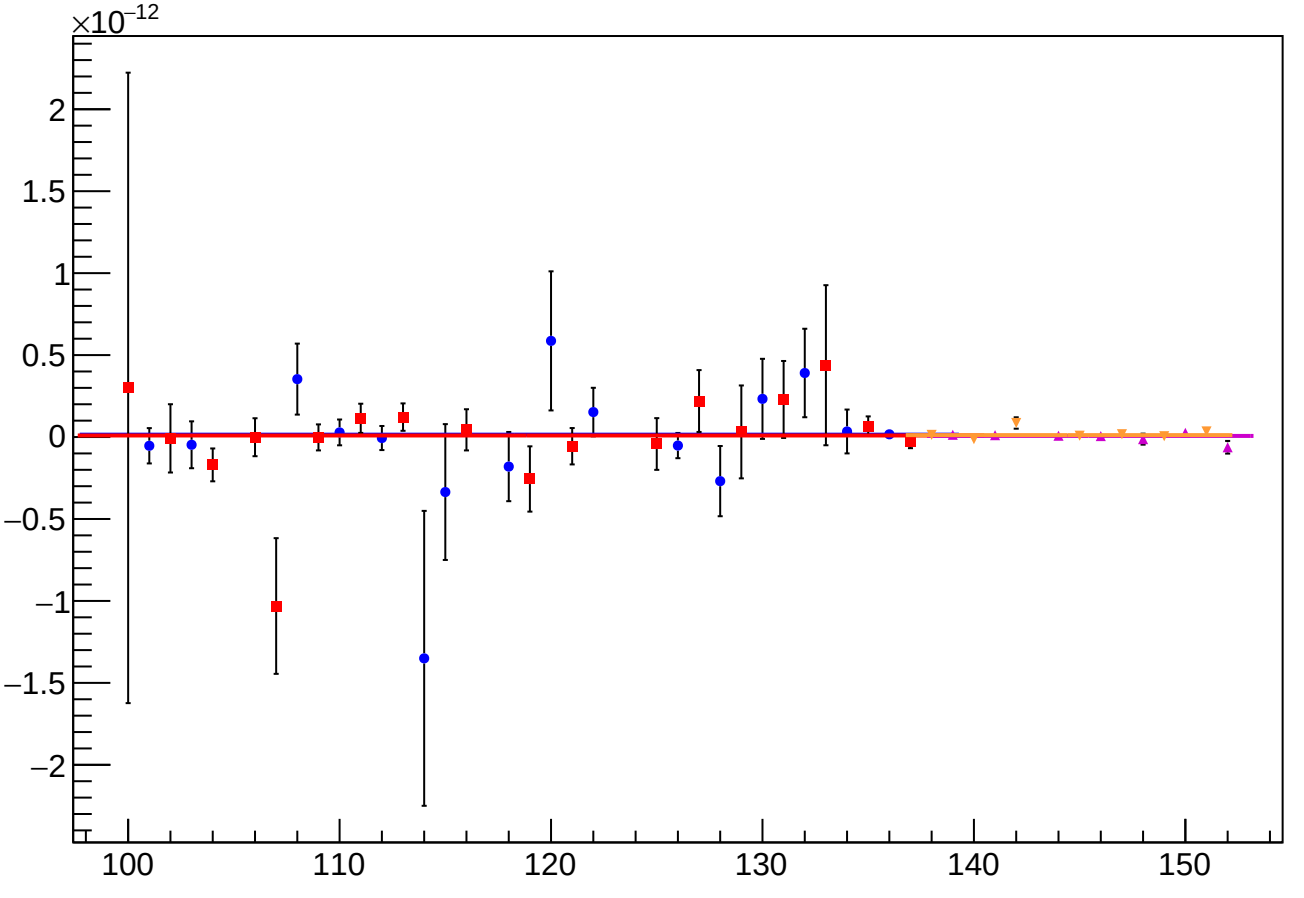
Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2119.073+/-0.415 χ^2/NDF:586119.0/22

Out: 2121.982+/-0.429 χ^2/NDF:608519.9/24

All: 2120.479+/-0.298 χ^2/NDF: 1194662.8/47

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/6

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:4.3/6

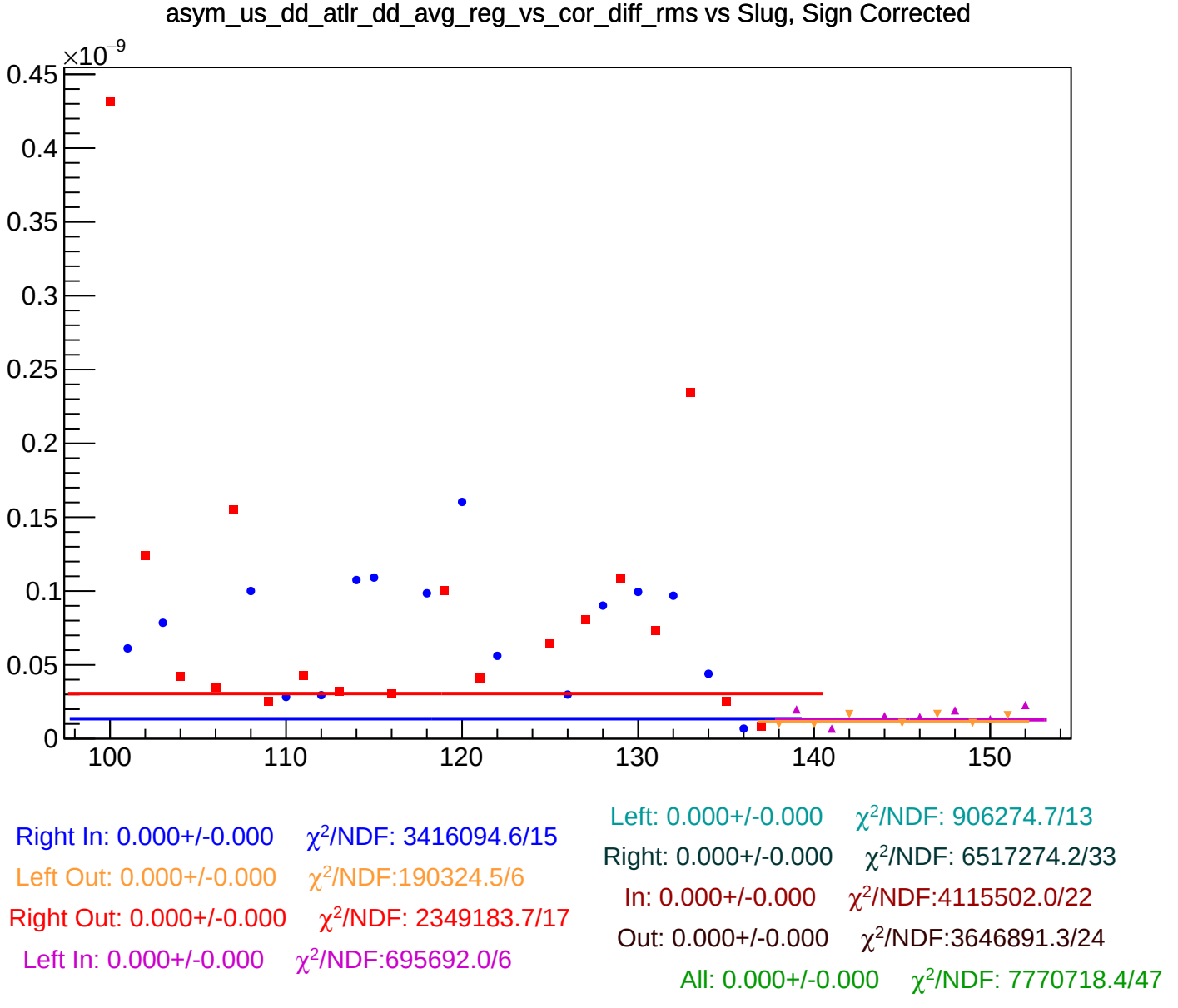
Left: 0.000+/-0.000 χ^2/NDF: 11.6/13

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

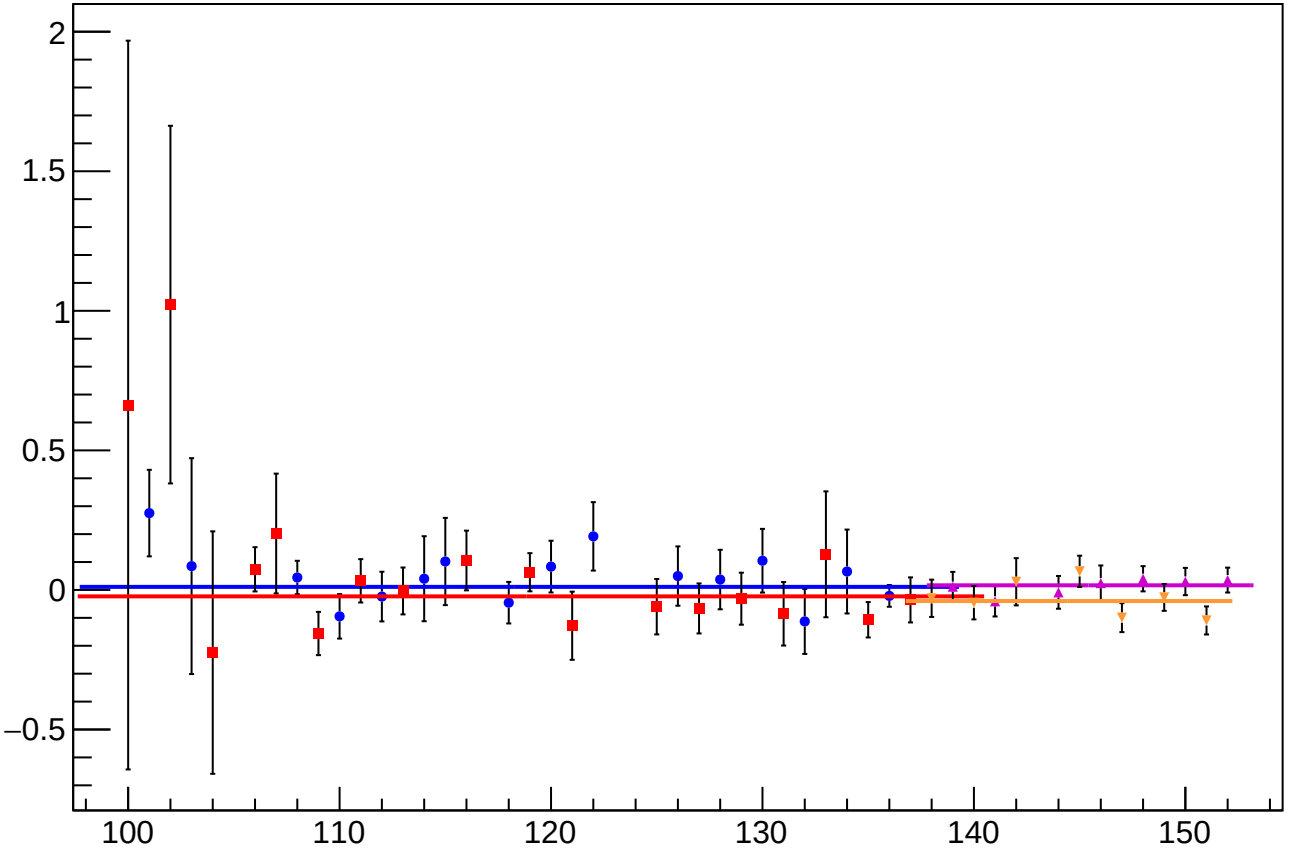
In: 0.000+/-0.000 χ^2/NDF:19.5/22

Out: 0.000+/-0.000 χ^2/NDF:26.7/24

All: 0.000+/-0.000 χ^2/NDF: 46.2/47


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
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: 3416094.6/15
Left Out: 0.000+/-0.000 χ²/NDF:190324.5/6
Right Out: 0.000+/-0.000 χ²/NDF: 2349183.7/17
Left In: 0.000+/-0.000 χ²/NDF:695692.0/6
Left: 0.000+/-0.000 χ²/NDF: 906274.7/13
Right: 0.000+/-0.000 χ²/NDF: 6517274.2/33
In: 0.000+/-0.000 χ²/NDF:4115502.0/22
Out: 0.000+/-0.000 χ²/NDF:3646891.3/24
All: 0.000+/-0.000 χ²/NDF: 7770718.4/47

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.040+/-0.022 χ^2/NDF:7.6/6

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.017+/-0.019 χ^2/NDF:1.8/6

Left: -0.009+/-0.014 χ^2/NDF: 13.2/13

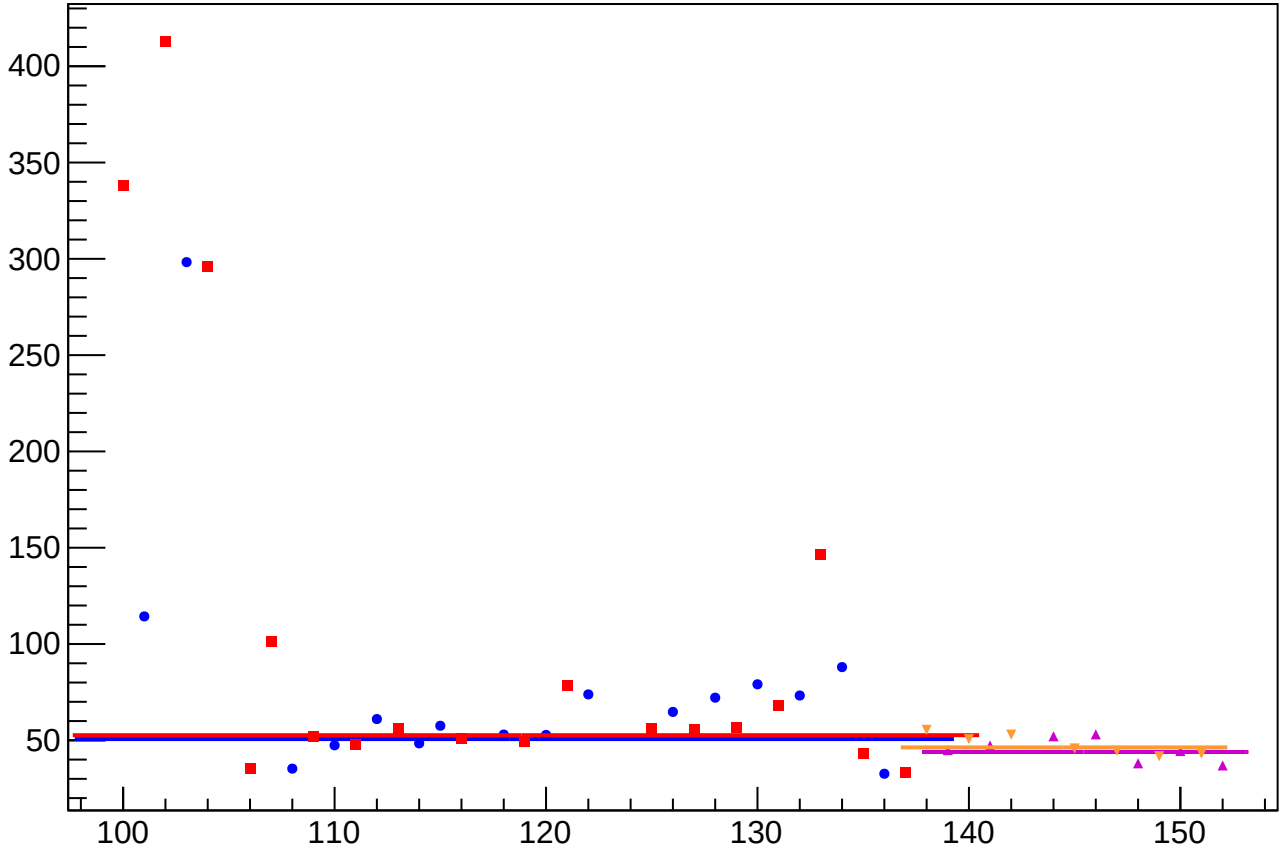
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.014+/-0.015 χ^2/NDF:13.6/22

Out: -0.032+/-0.016 χ^2/NDF:23.8/24

All: -0.007+/-0.011 χ^2/NDF: 42.1/47

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: 43.936+/-0.014 χ^2/NDF:171917.4/6

Left: 45.013+/-0.010 χ^2/NDF: 274522.5/13

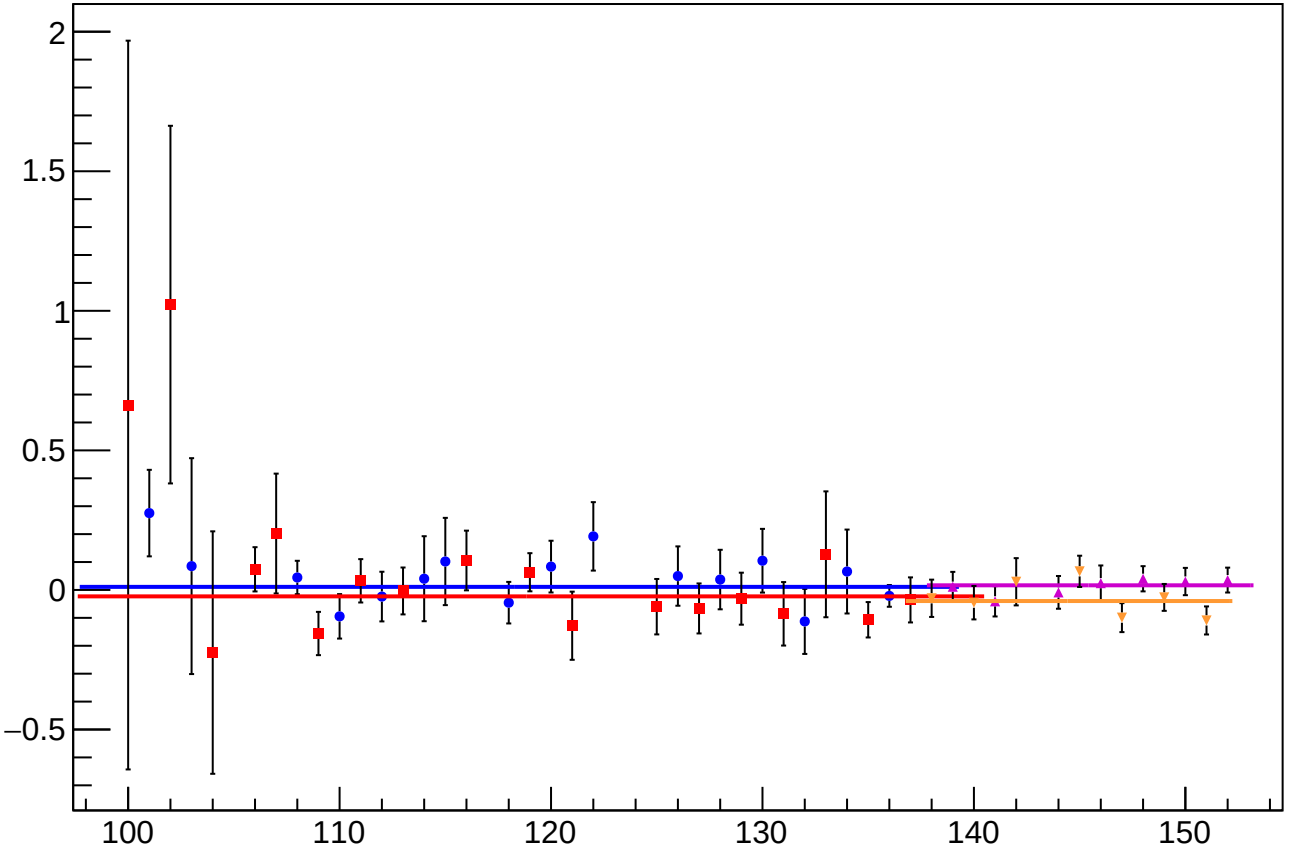
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 46.898+/-0.010 χ^2/NDF:2543484.9/22

Out: 49.273+/-0.011 χ^2/NDF:2381329.6/24

All: 47.990+/-0.008 χ^2/NDF: 4949401.6/47

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: 0.017+/-0.019 χ^2/NDF:1.8/6

Left: -0.009+/-0.014 χ^2/NDF: 13.2/13

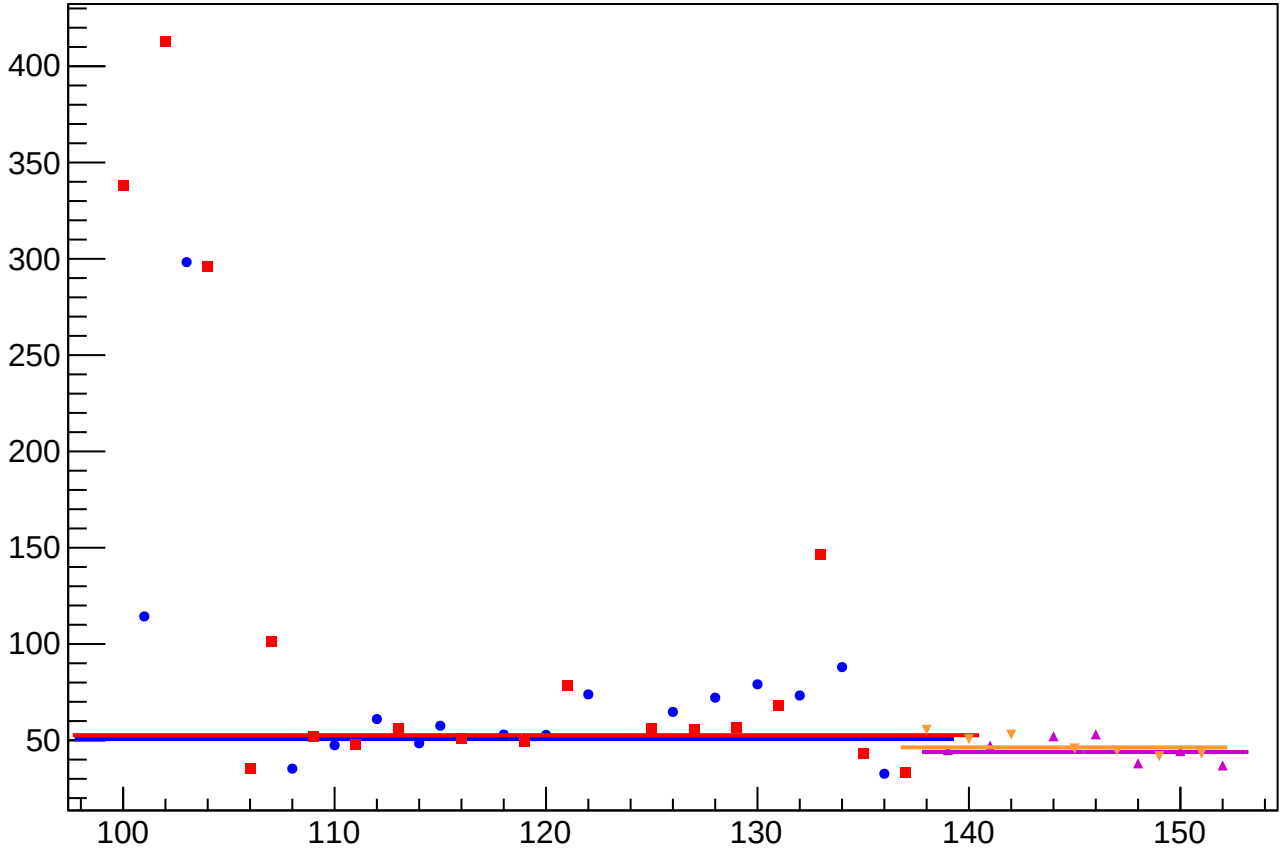
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.014+/-0.015 χ^2/NDF:13.6/22

Out: -0.032+/-0.016 χ^2/NDF:23.8/24

All: -0.007+/-0.011 χ^2/NDF: 42.1/47

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: 43.936+/-0.014 χ^2/NDF:171917.4/6

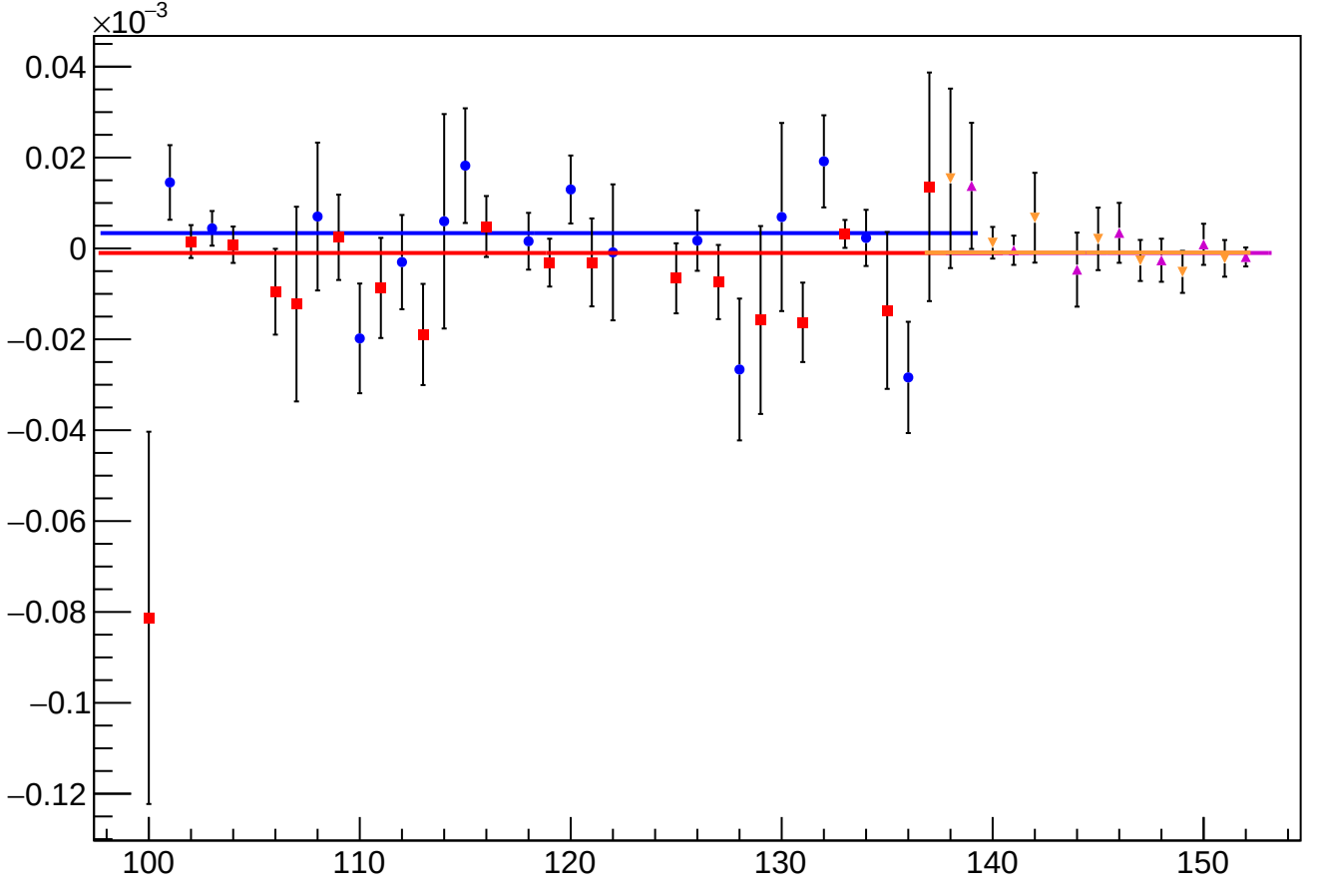
Left: 45.013+/-0.010 χ^2/NDF: 274522.5/13

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 46.898+/-0.010 χ^2/NDF:2543484.9/22

Out: 49.273+/-0.011 χ^2/NDF:2381329.6/24

All: 47.990+/-0.008 χ^2/NDF: 4949401.6/47



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:2.3/6

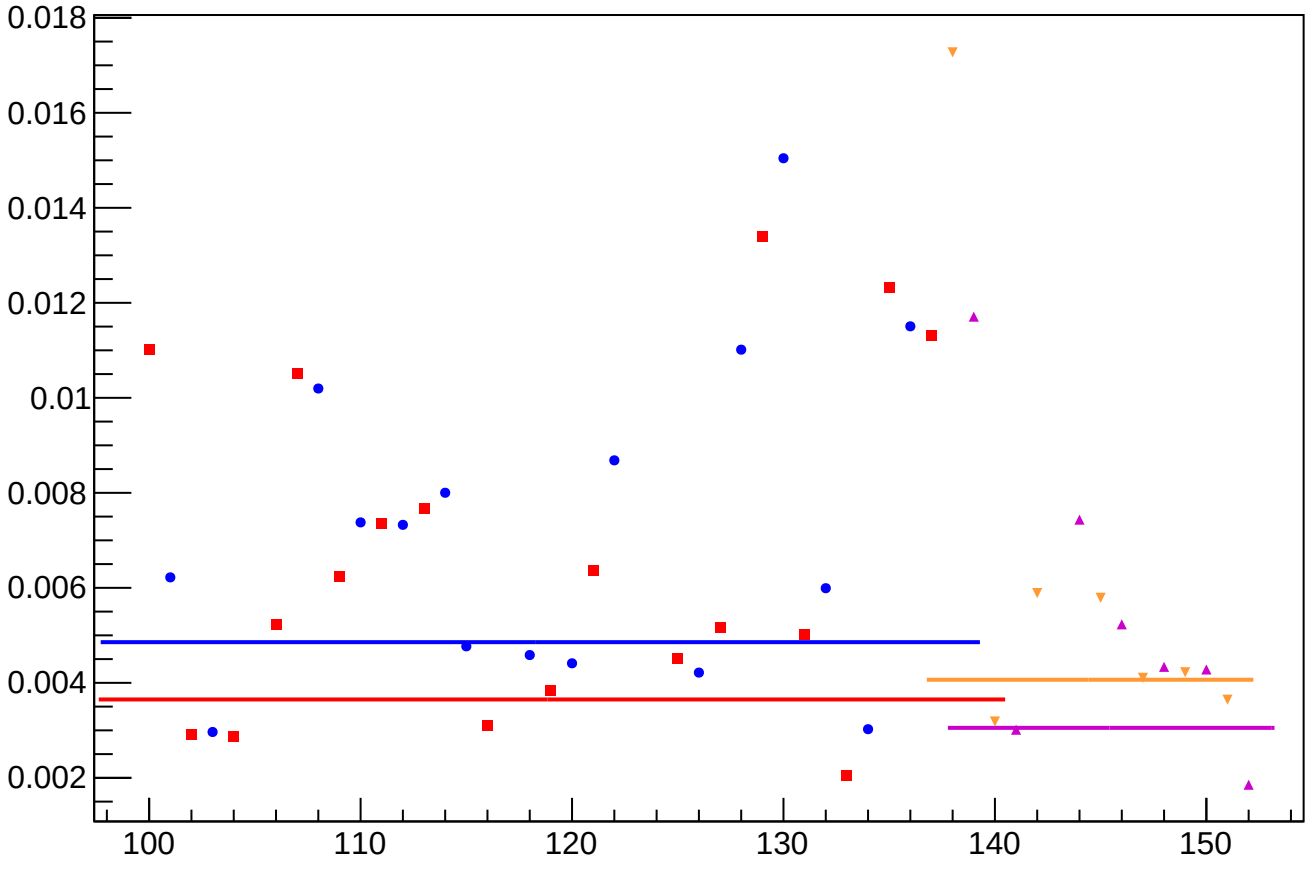
Left: -0.000+/-0.000 χ^2/NDF: 5.2/13

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:27.4/22

Out: -0.000+/-0.000 χ^2/NDF:20.2/24

All: -0.000+/-0.000 χ^2/NDF: 48.3/47



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: 0.003+/-0.000 χ^2/NDF:2528033.6/6

Left: 0.003+/-0.000 χ^2/NDF: 4120663.1/13

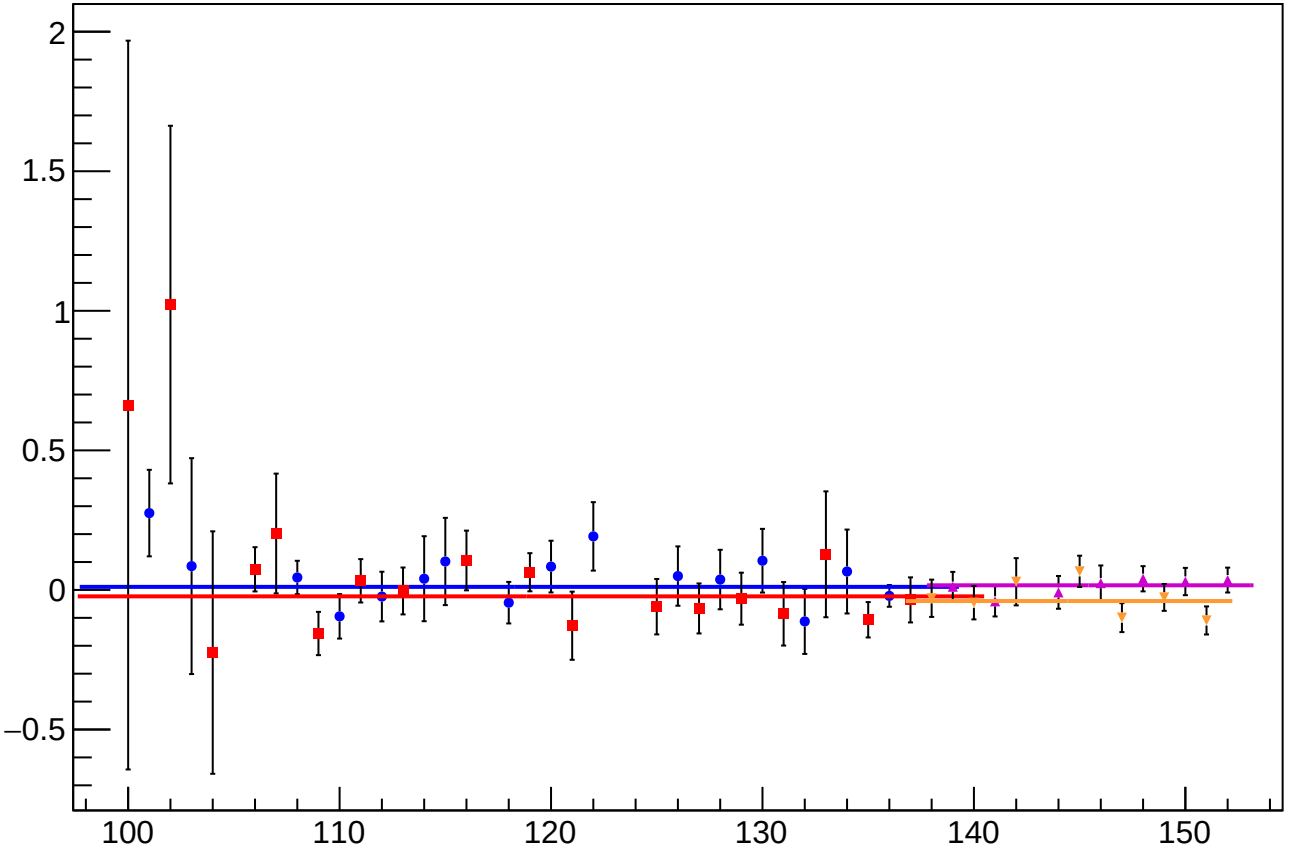
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.004+/-0.000 χ^2/NDF:6276126.0/22

Out: 0.004+/-0.000 χ^2/NDF:4405198.8/24

All: 0.004+/-0.000 χ^2/NDF: 10699723.6/47

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: 0.017+/-0.019 χ^2/NDF:1.8/6

Left: -0.009+/-0.014 χ^2/NDF: 13.2/13

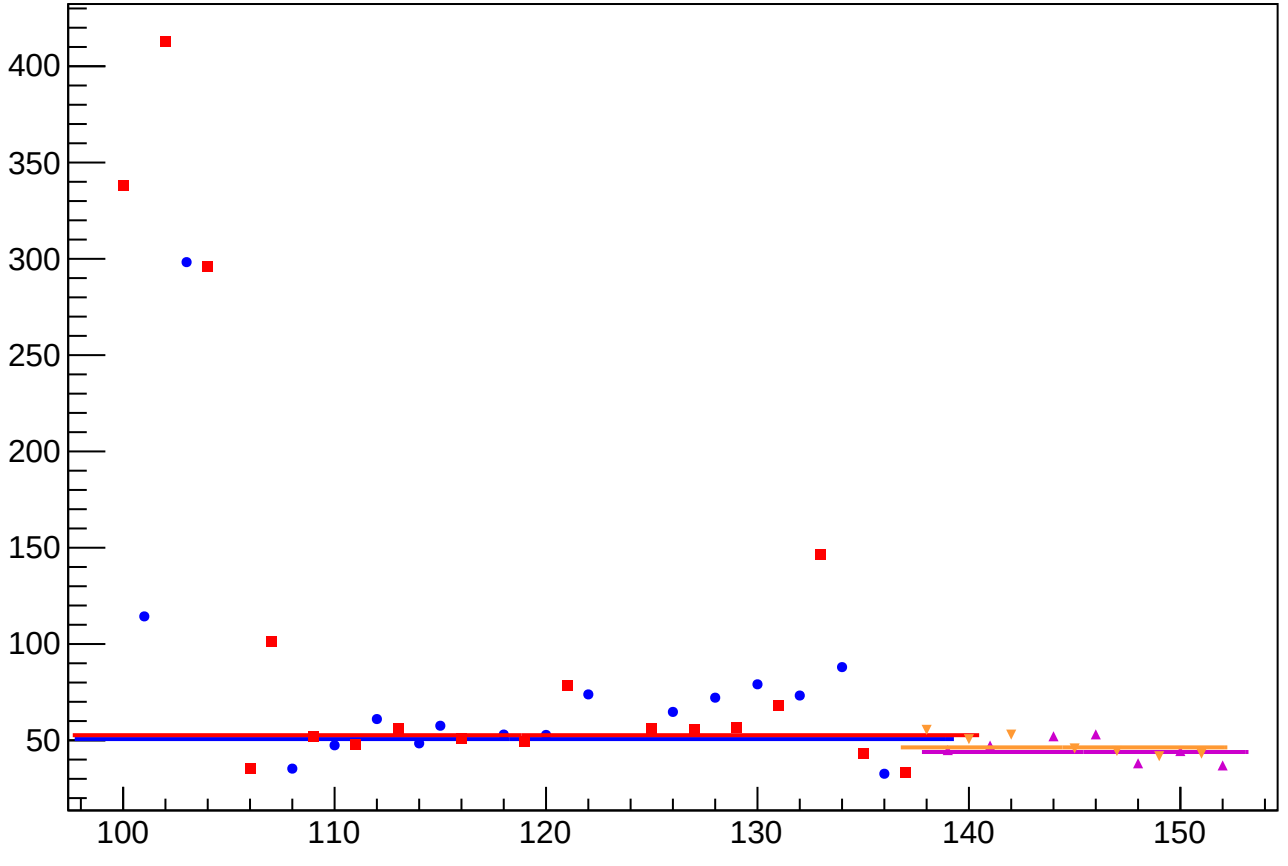
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.014+/-0.015 χ^2/NDF:13.6/22

Out: -0.032+/-0.016 χ^2/NDF:23.8/24

All: -0.007+/-0.011 χ^2/NDF: 42.1/47

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: 43.936+/-0.014 χ^2/NDF:171900.3/6

Left: 45.014+/-0.010 χ^2/NDF: 274539.2/13

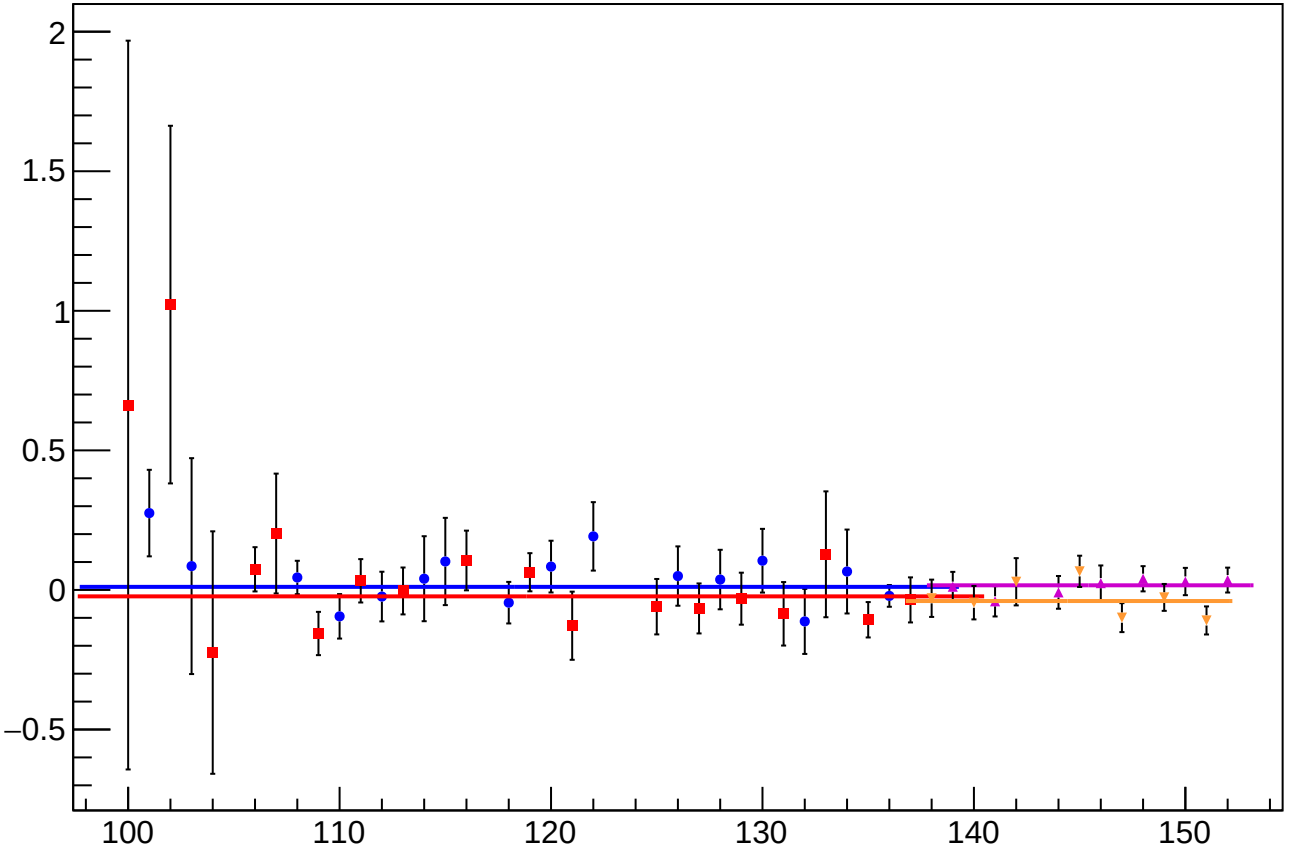
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 46.898+/-0.010 χ^2/NDF:2543373.4/22

Out: 49.274+/-0.011 χ^2/NDF:2381255.3/24

All: 47.991+/-0.008 χ^2/NDF: 4949219.5/47

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: 0.017+/-0.019 χ^2/NDF:1.8/6

Left: -0.009+/-0.014 χ^2/NDF: 13.2/13

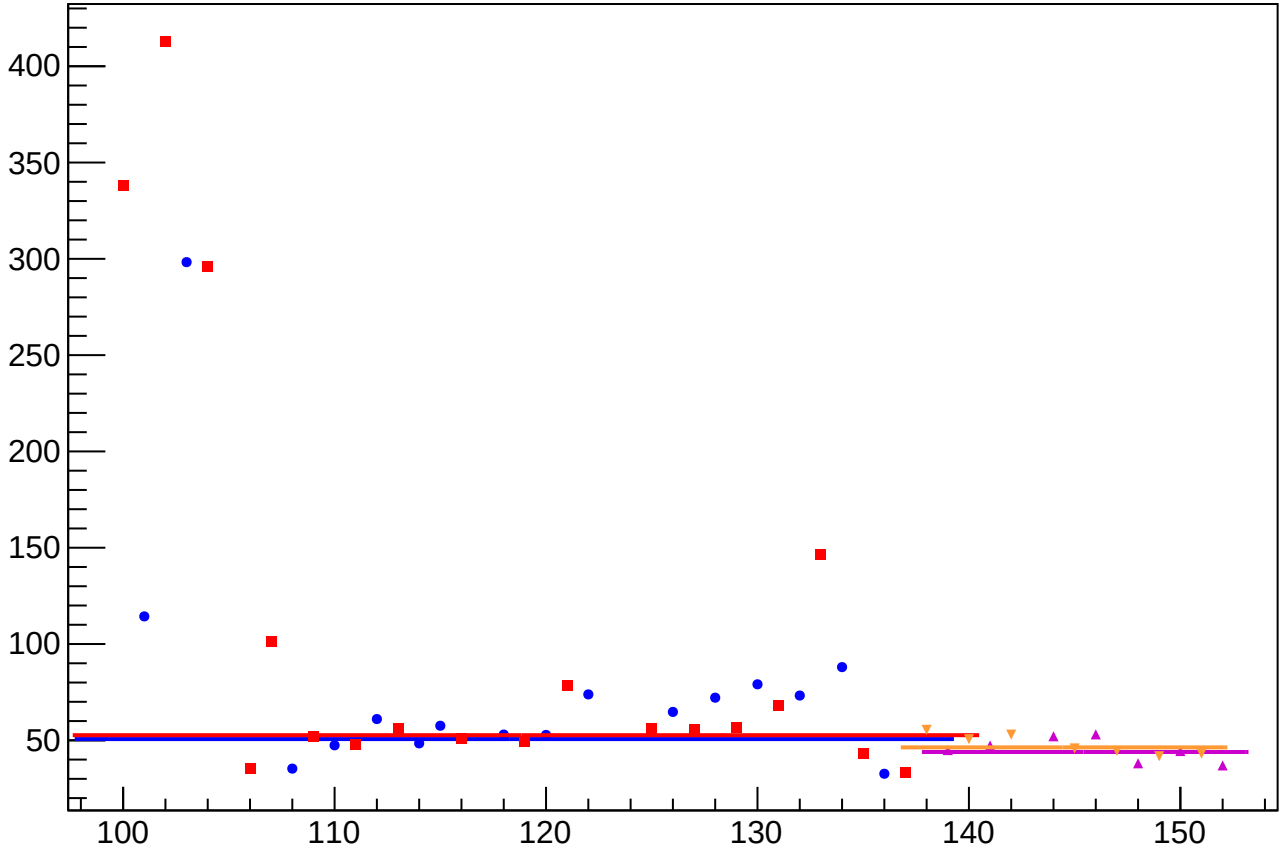
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.014+/-0.015 χ^2/NDF:13.6/22

Out: -0.032+/-0.016 χ^2/NDF:23.8/24

All: -0.007+/-0.011 χ^2/NDF: 42.1/47

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: 43.936+/-0.014 χ^2/NDF:171900.3/6

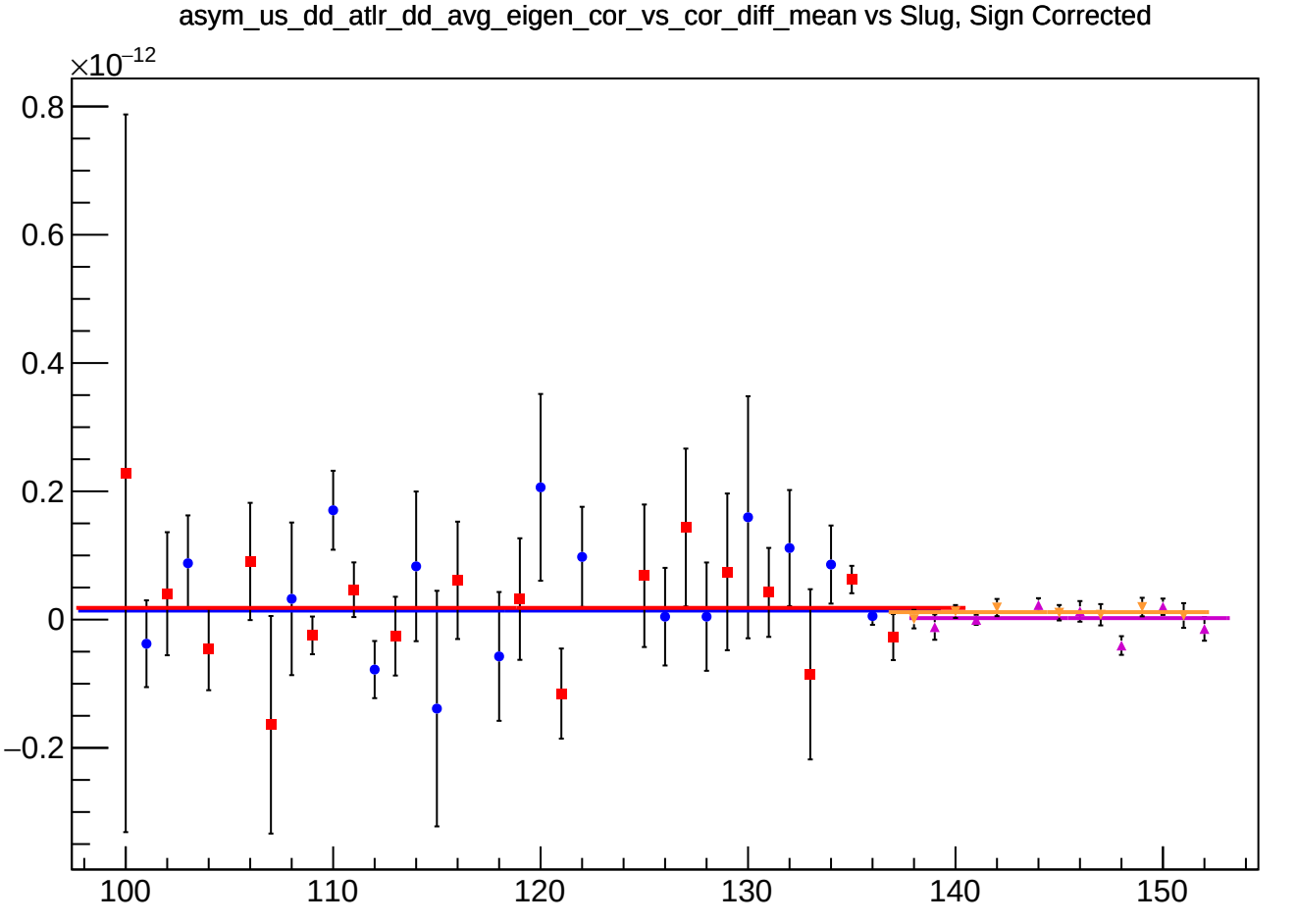
Left: 45.014+/-0.010 χ^2/NDF: 274539.2/13

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 46.898+/-0.010 χ^2/NDF:2543373.4/22

Out: 49.274+/-0.011 χ^2/NDF:2381255.3/24

All: 47.991+/-0.008 χ^2/NDF: 4949219.5/47



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:16.1/6

Left: 0.000+/-0.000 χ^2/NDF: 19.2/13

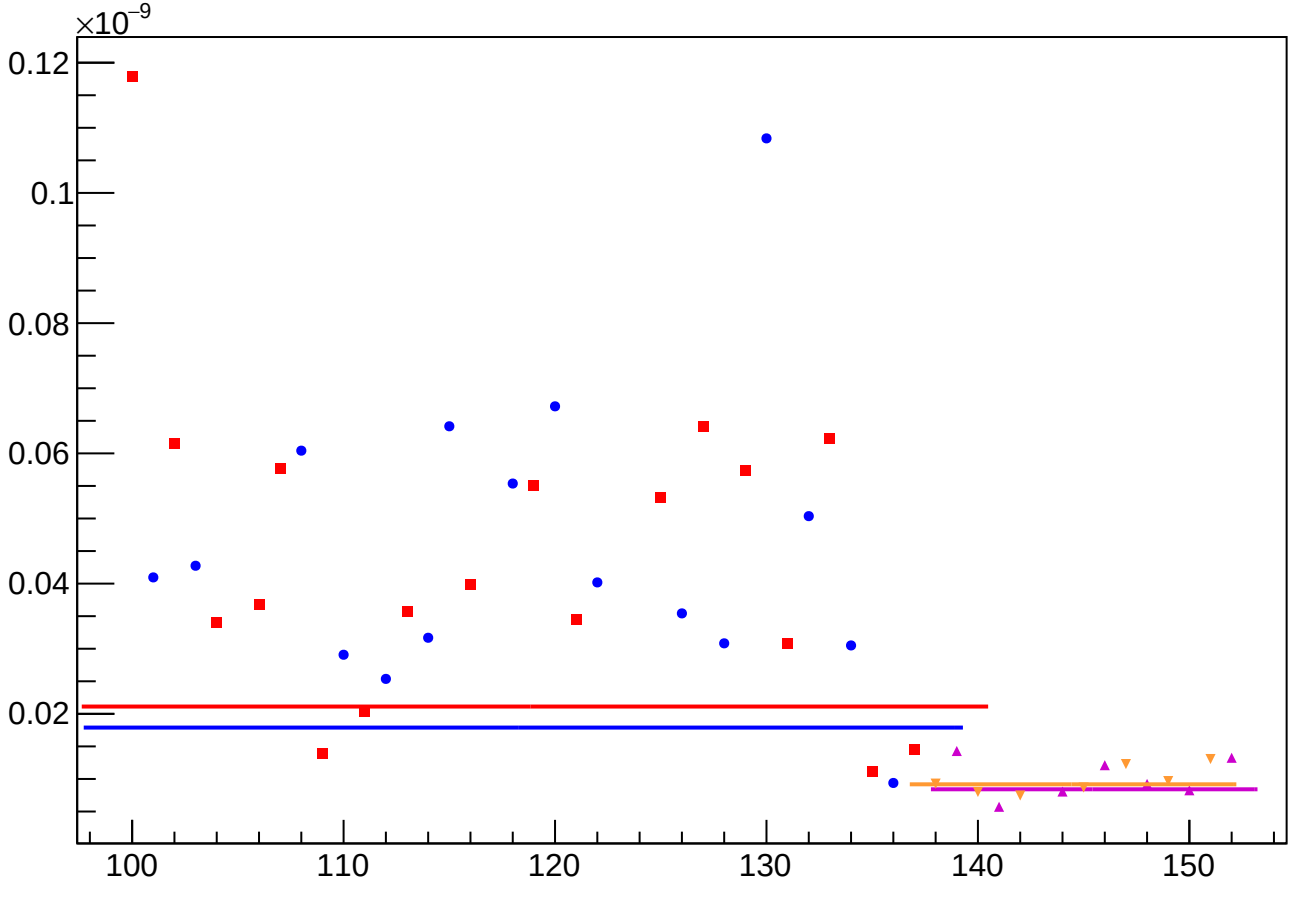
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: 0.000+/-0.000 χ^2/NDF:37.4/22

Out: 0.000+/-0.000 χ^2/NDF:19.6/24

All: 0.000+/-0.000 χ^2/NDF: 58.7/47

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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:665054.8/6

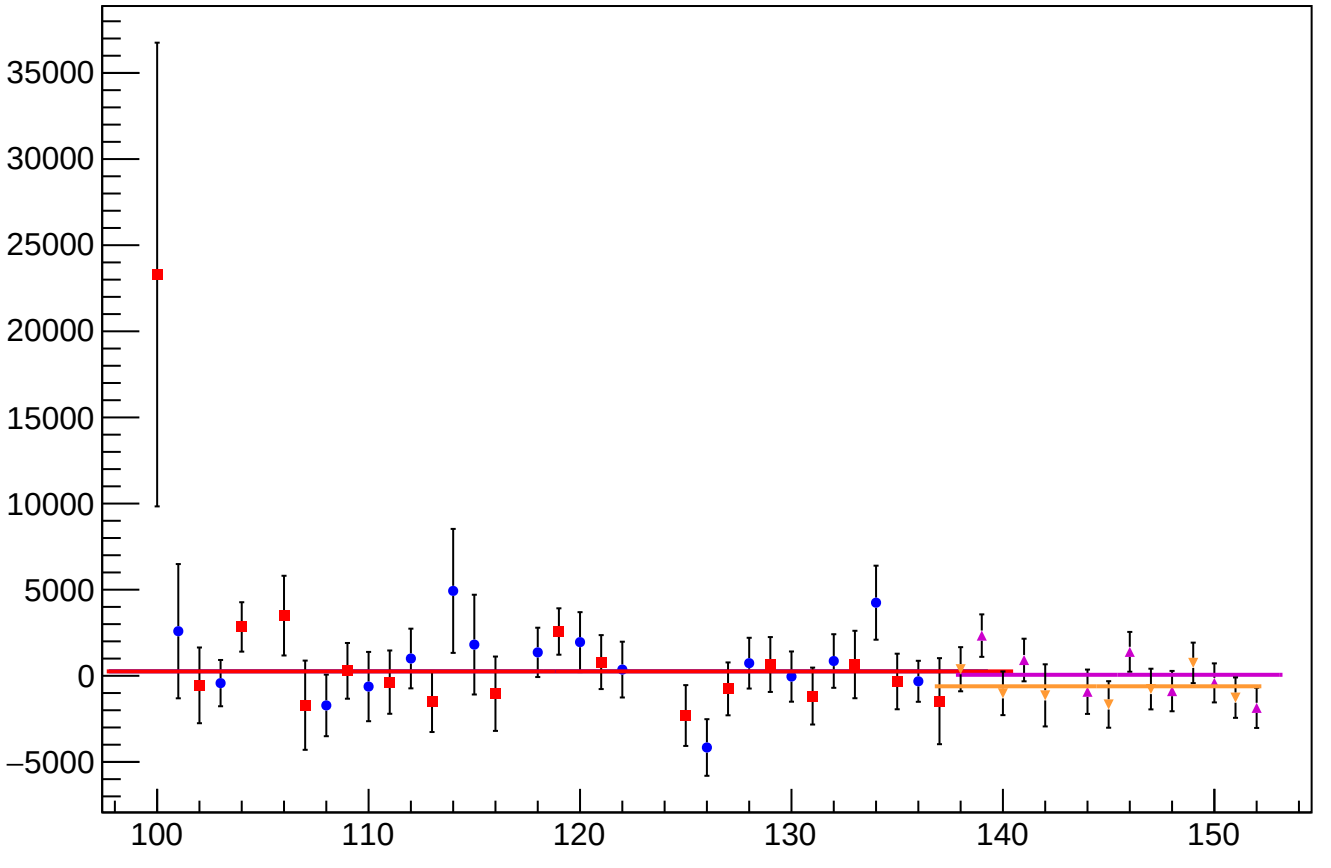
Left: 0.000+/-0.000 χ^2/NDF: 906644.9/13

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5259595.6/22

Out: 0.000+/-0.000 χ^2/NDF:4395797.0/24

All: 0.000+/-0.000 χ^2/NDF: 9711699.8/47



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: 58.143+/-451.541 χ^2/NDF:9.3/6

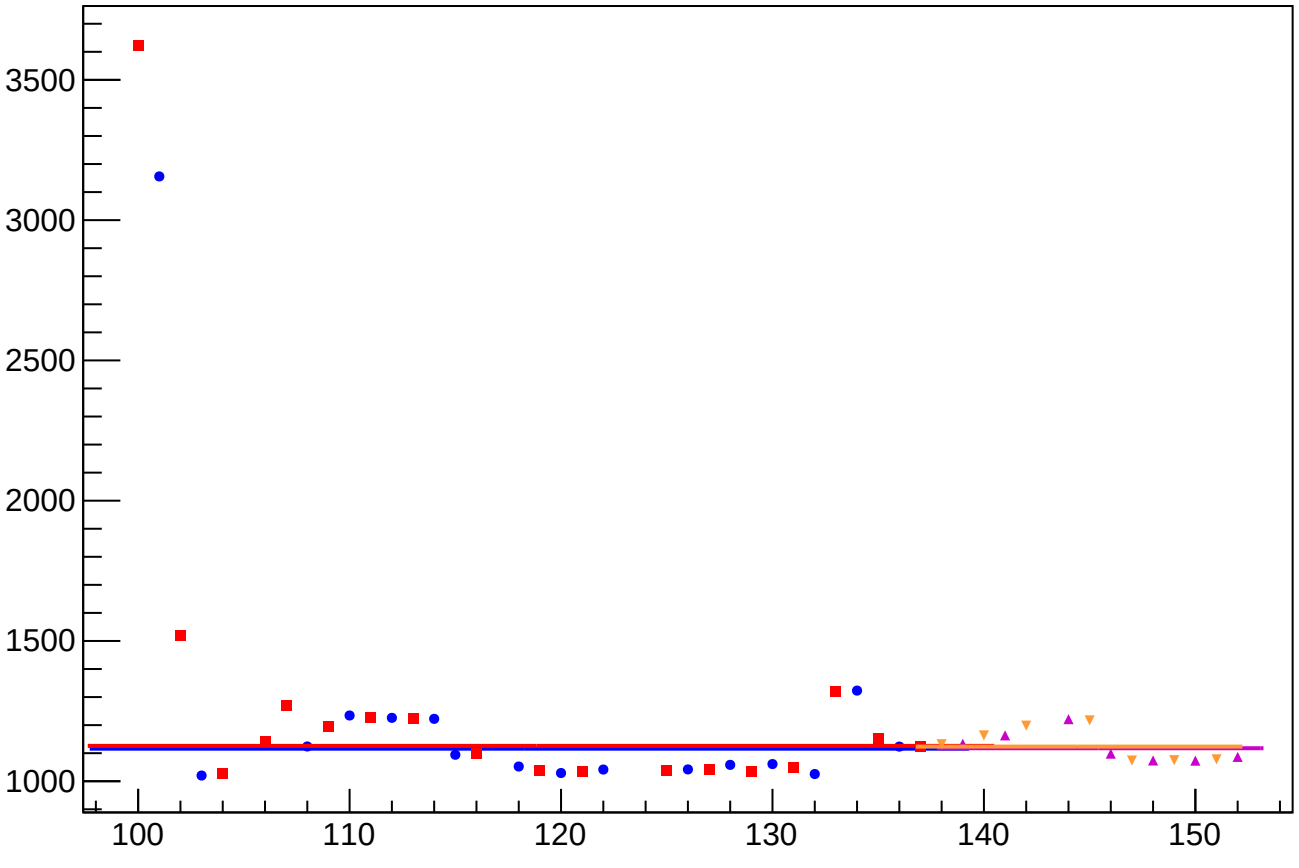
Left: -251.857+/-330.404 χ^2/NDF: 13.4/13

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 165.682+/-309.346 χ^2/NDF:26.4/22

Out: -120.812+/-319.902 χ^2/NDF:22.2/24

All: 27.240+/-222.379 χ^2/NDF: 49.0/47



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: 1117.635+/-0.319 χ^2/NDF:23839.2/6

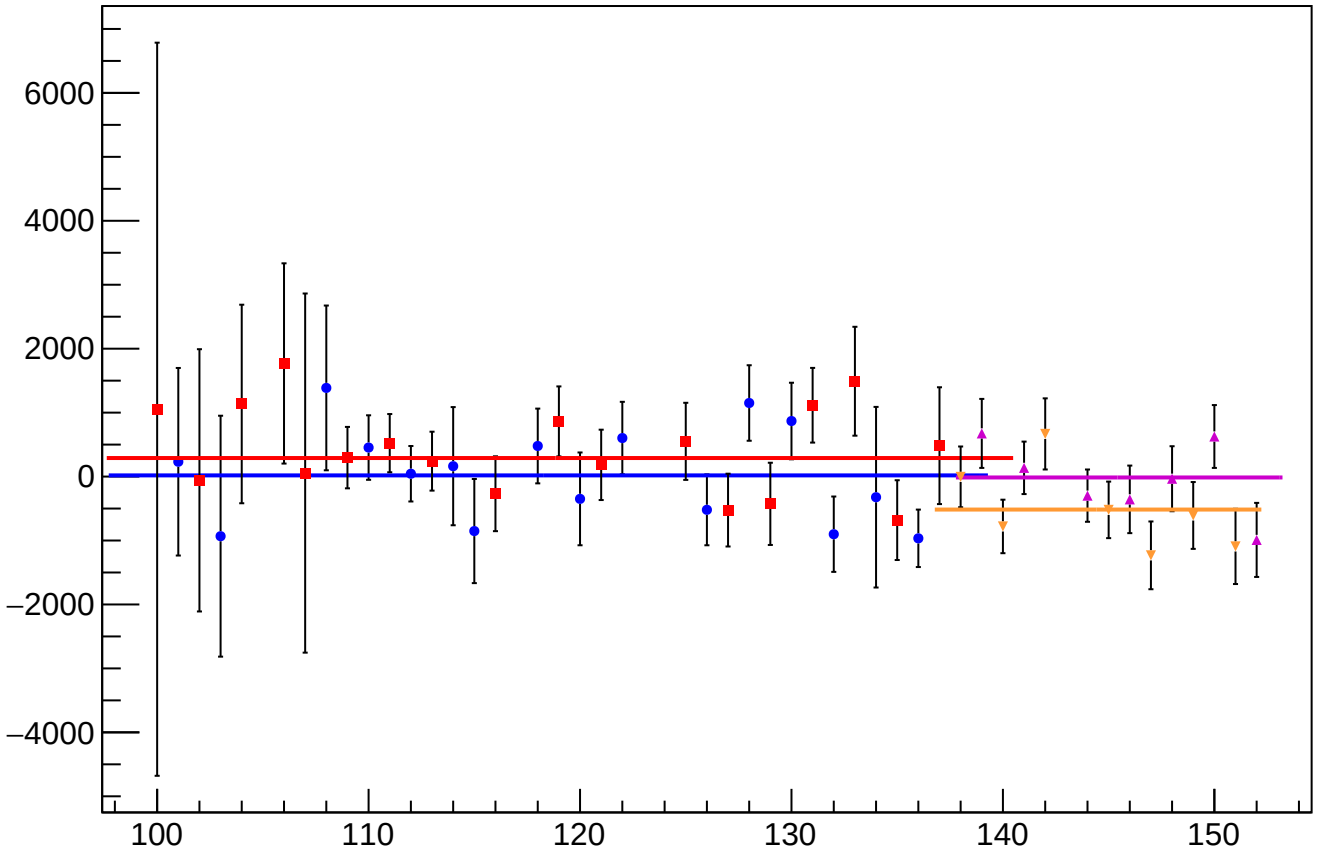
Left: 1120.376+/-0.234 χ^2/NDF: 48961.6/13

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1116.815+/-0.219 χ^2/NDF:647242.5/22

Out: 1124.935+/-0.226 χ^2/NDF:247099.2/24

All: 1120.739+/-0.157 χ^2/NDF: 895007.8/47



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: -14.038+/-182.778 χ^2/NDF:7.2/6

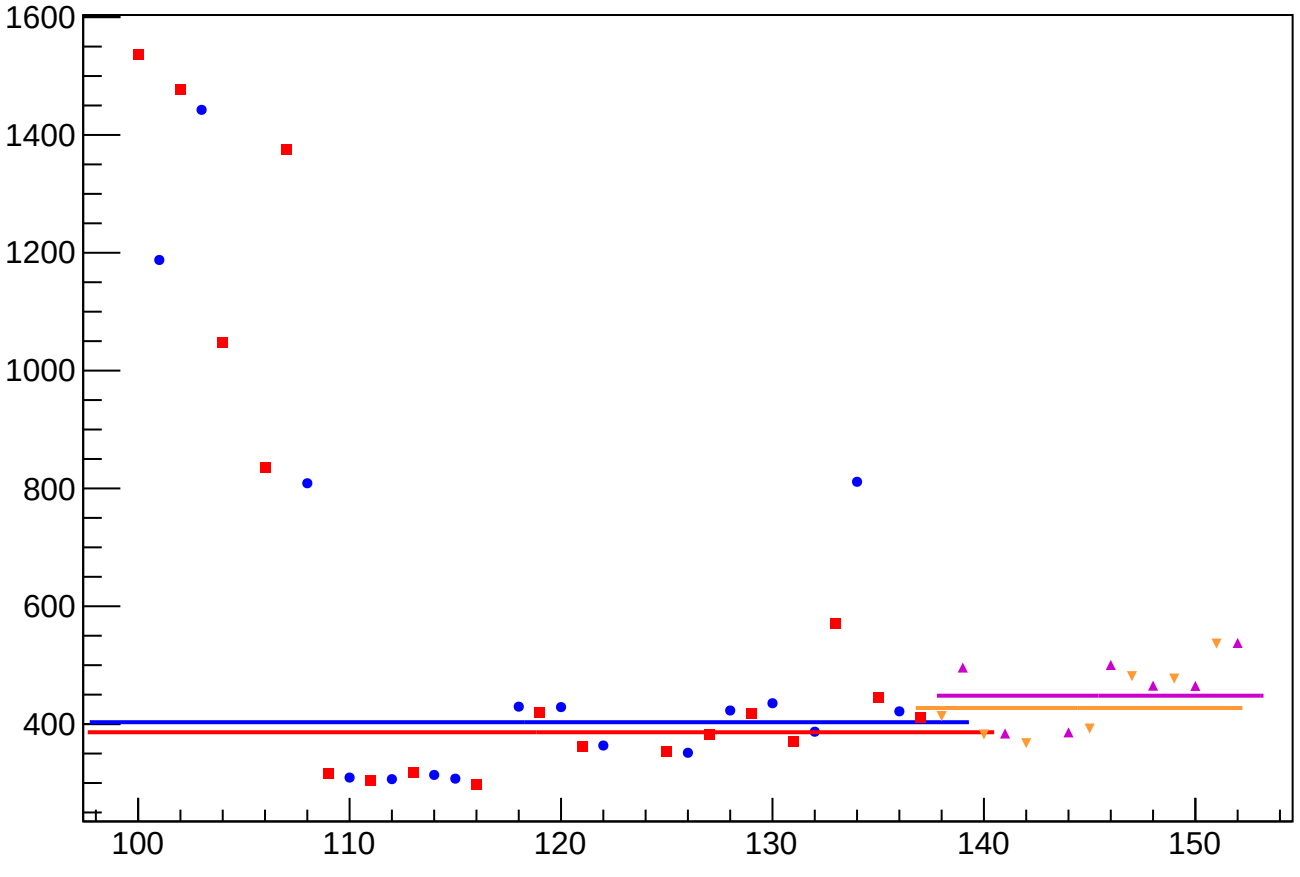
Left: -259.243+/-130.697 χ^2/NDF: 19.8/13

Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 4.242+/-120.914 χ^2/NDF:26.4/22

Out: -41.248+/-119.865 χ^2/NDF:33.3/24

All: -18.701+/-85.126 χ^2/NDF: 59.8/47



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: 448.199+/-0.129 χ^2/NDF:182826.6/6

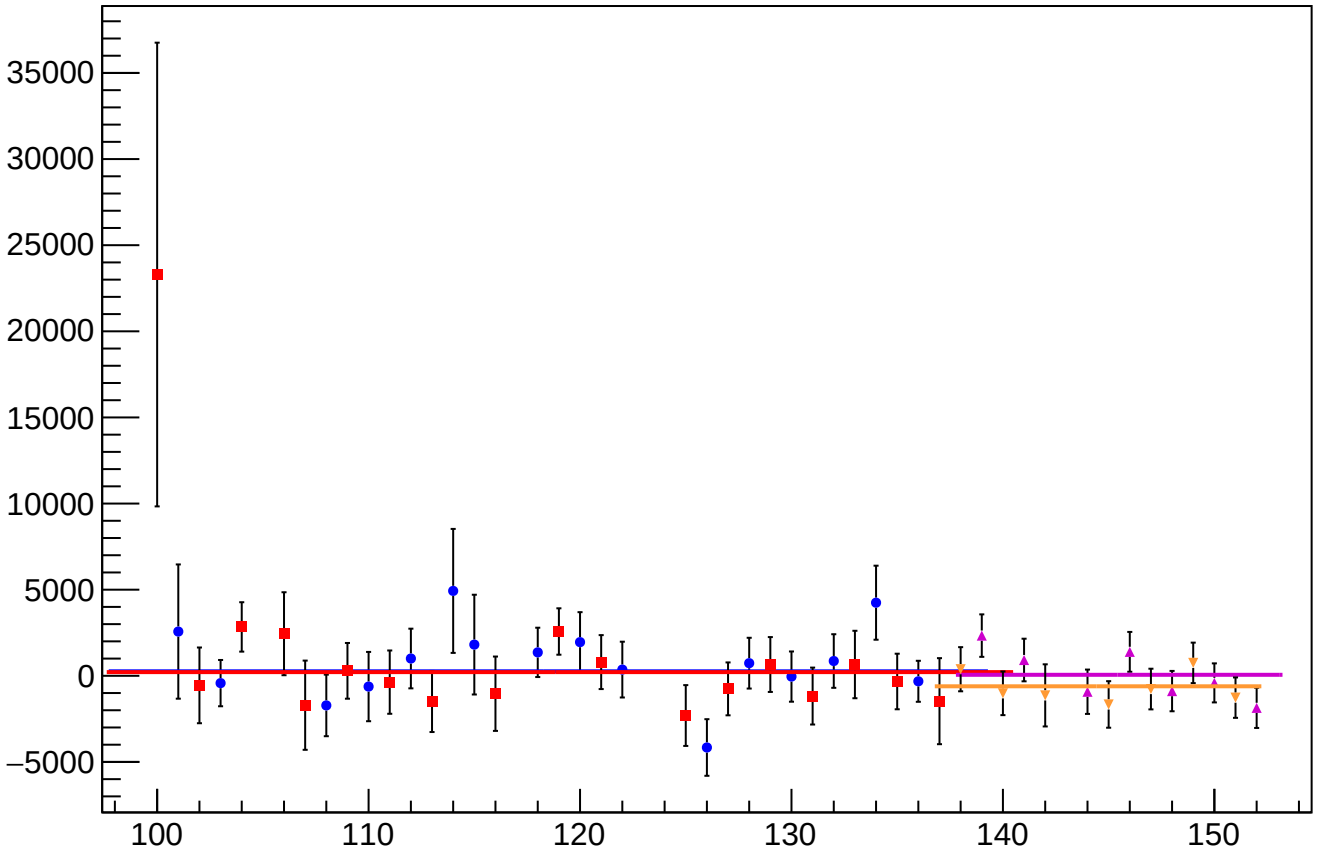
Left: 438.004+/-0.092 χ^2/NDF: 363896.8/13

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 422.889+/-0.085 χ^2/NDF:2059448.7/22

Out: 403.077+/-0.085 χ^2/NDF:1984626.2/24

All: 412.897+/-0.060 χ^2/NDF: 4071157.3/47



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: 58.115+/-451.541 χ^2/NDF:9.3/6

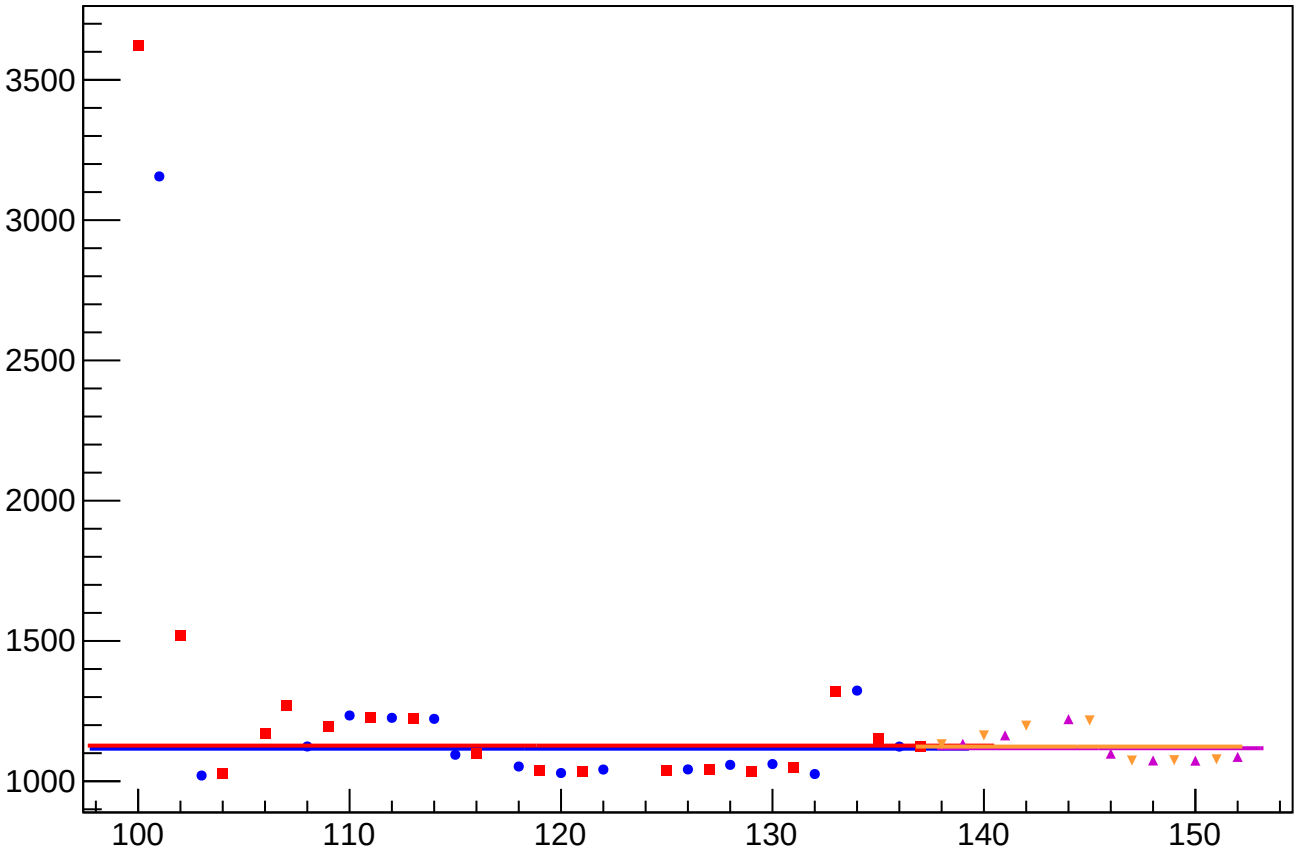
Left: -251.857+/-330.404 χ^2/NDF: 13.4/13

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 165.466+/-309.346 χ^2/NDF:26.4/22

Out: -144.717+/-320.138 χ^2/NDF:20.9/24

All: 15.691+/-222.458 χ^2/NDF: 47.8/47



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: 1117.635+/-0.319 χ^2/NDF:23839.2/6

Left: 1120.376+/-0.234 χ^2/NDF: 48961.6/13

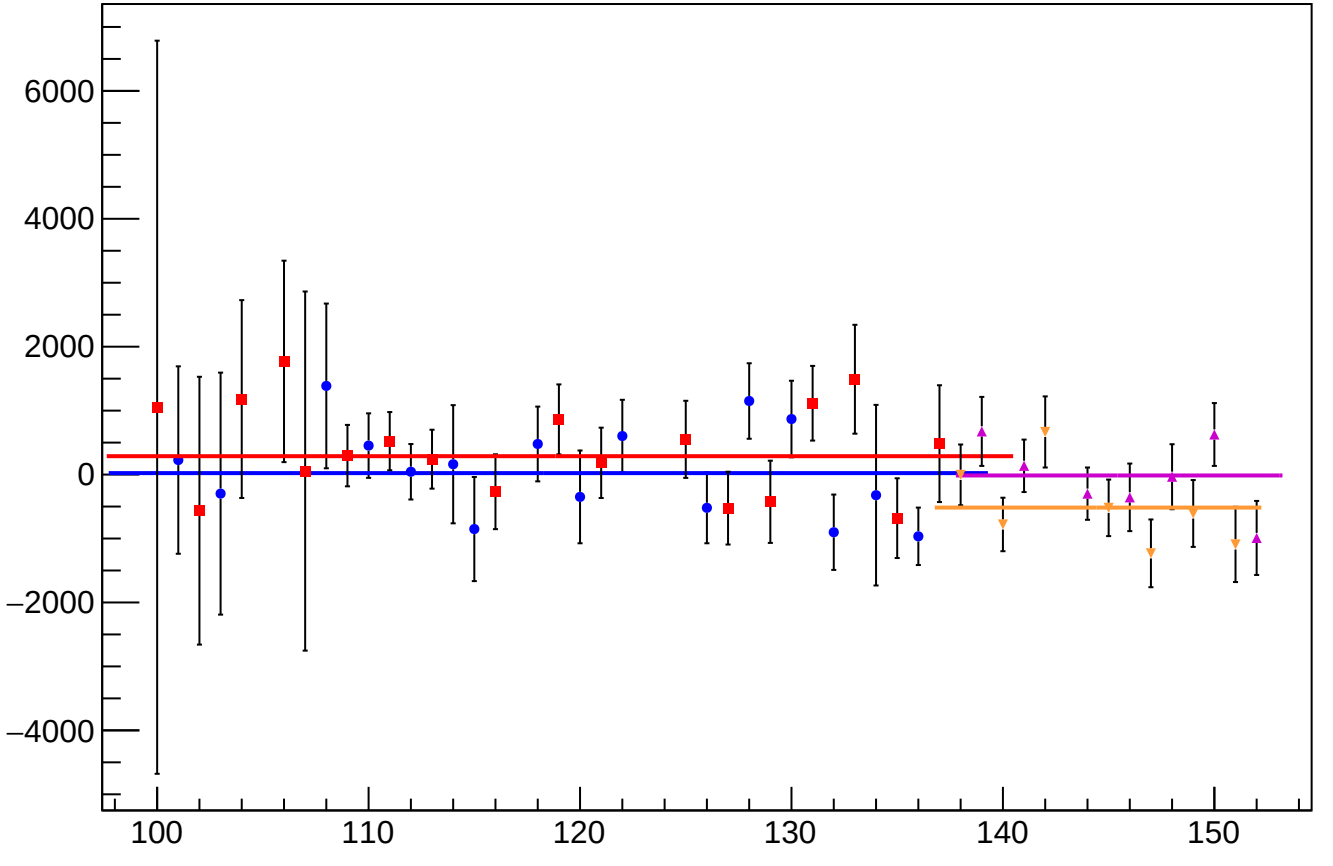
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1116.815+/-0.219 χ^2/NDF:647243.6/22

Out: 1125.466+/-0.226 χ^2/NDF:247760.2/24

All: 1120.992+/-0.157 χ^2/NDF: 895759.1/47

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -515.949+/-186.959 χ^2/NDF:8.9/6

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -13.975+/-182.776 χ^2/NDF:7.2/6

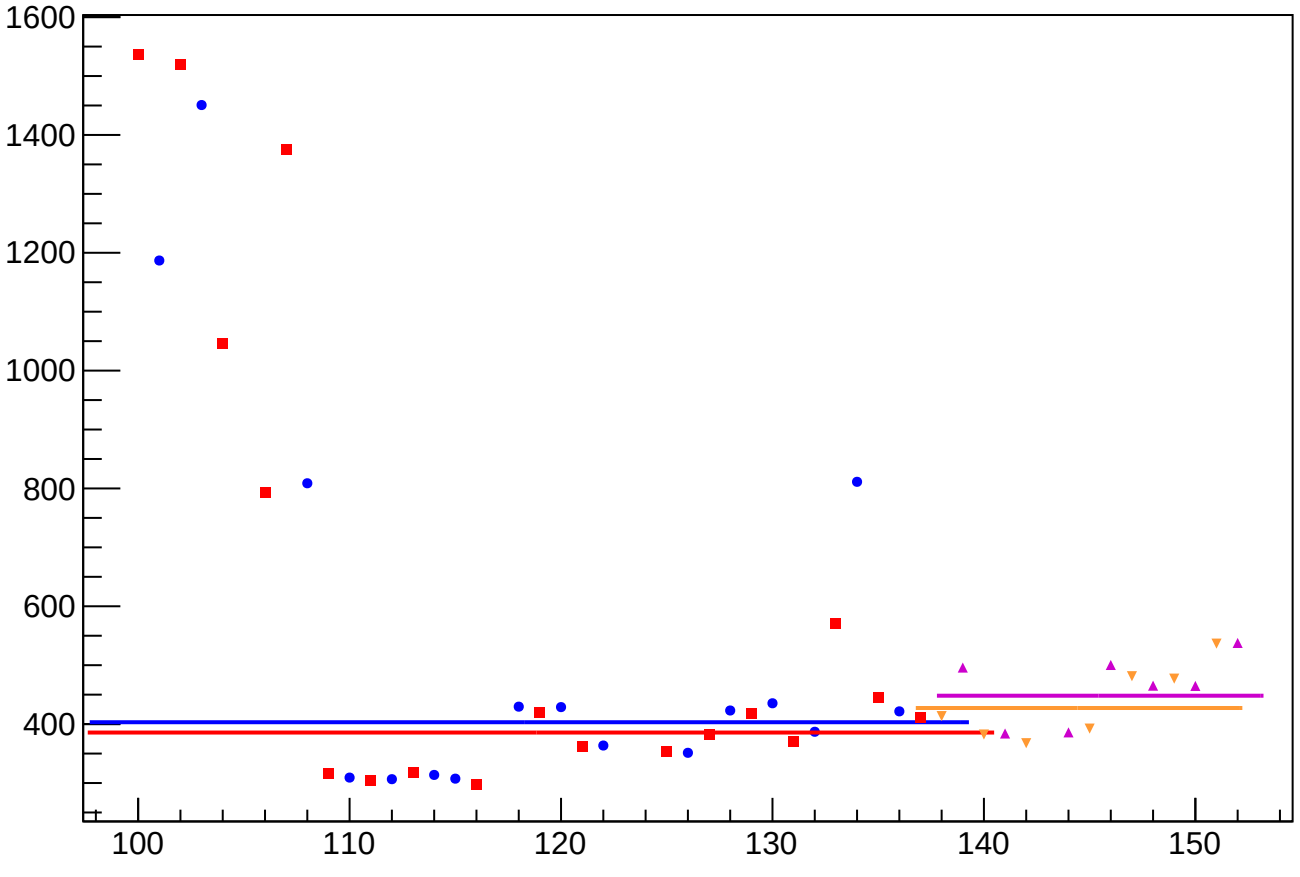
Left: -259.284+/-130.696 χ^2/NDF: 19.8/13

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 6.775+/-120.914 χ^2/NDF:26.2/22

Out: -42.744+/-119.875 χ^2/NDF:33.4/24

All: -18.198+/-85.129 χ^2/NDF: 59.7/47



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: 448.195+/-0.129 χ^2/NDF:182800.3/6

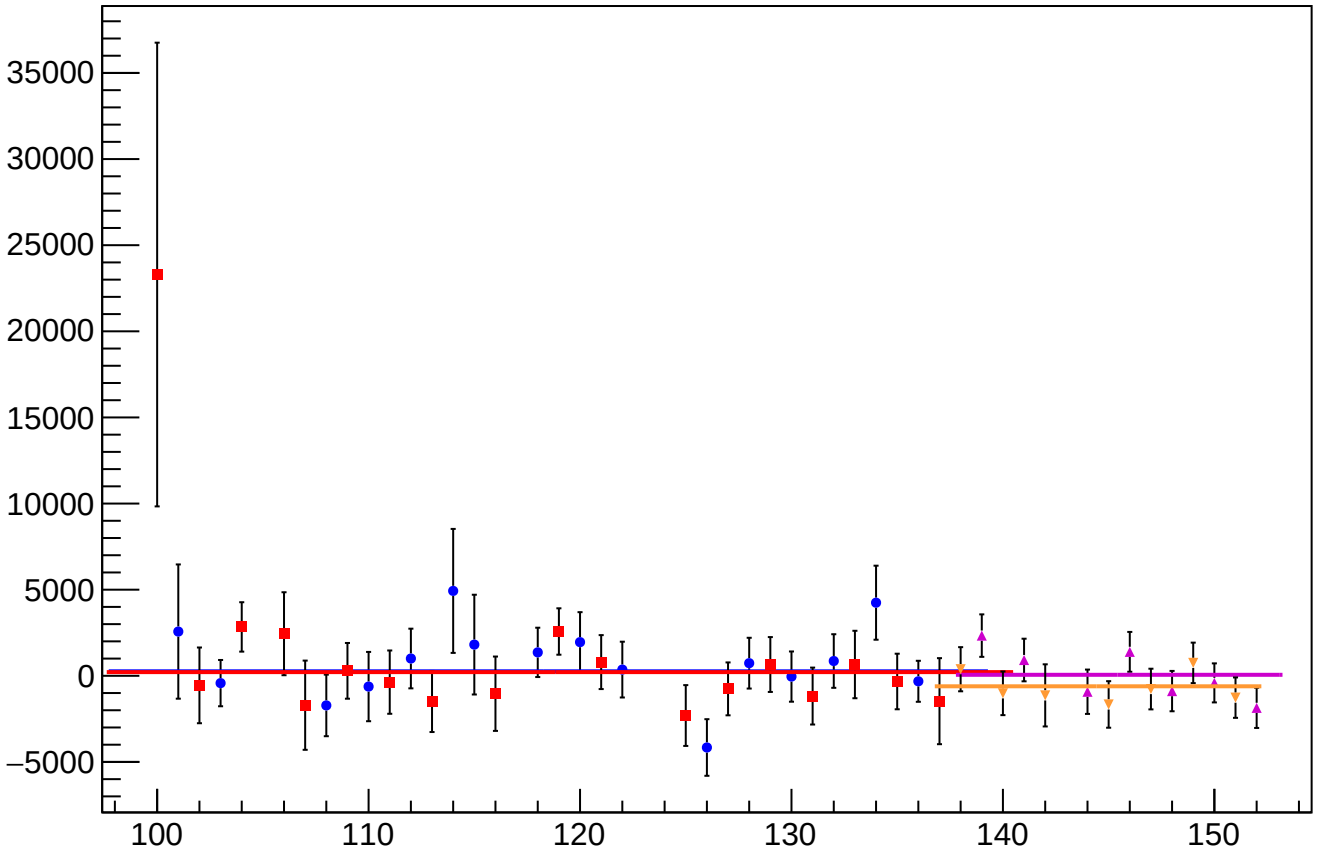
Left: 438.000+/-0.092 χ^2/NDF: 363861.5/13

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 422.882+/-0.085 χ^2/NDF:2063127.1/22

Out: 402.805+/-0.085 χ^2/NDF:1973938.0/24

All: 412.757+/-0.060 χ^2/NDF: 4064871.2/47



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: 58.115+/-451.541 χ^2/NDF:9.3/6

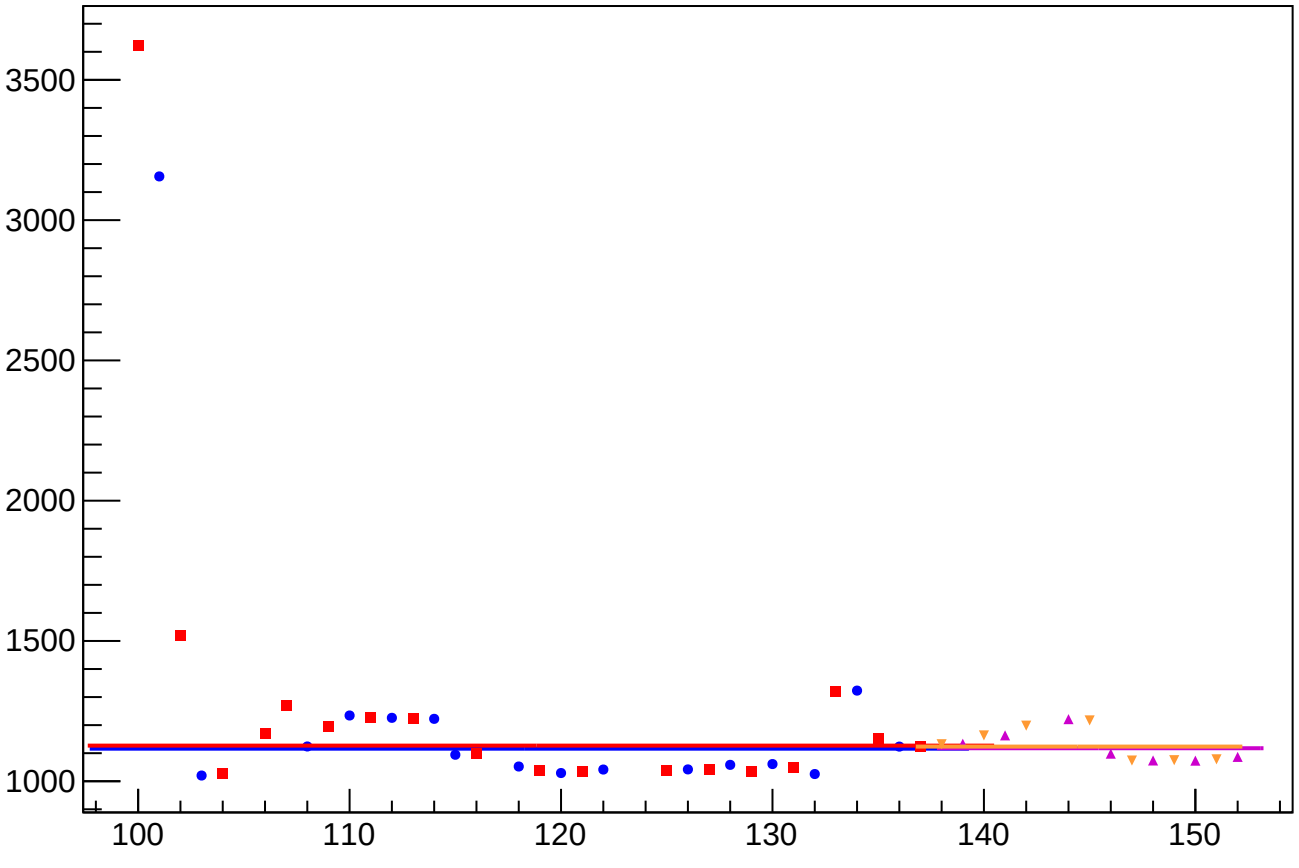
Left: -251.857+/-330.404 χ^2/NDF: 13.4/13

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 165.466+/-309.346 χ^2/NDF:26.4/22

Out: -144.717+/-320.138 χ^2/NDF:20.9/24

All: 15.691+/-222.458 χ^2/NDF: 47.8/47



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: 1117.635+/-0.319 χ^2/NDF:23839.2/6

Left: 1120.376+/-0.234 χ^2/NDF: 48961.6/13

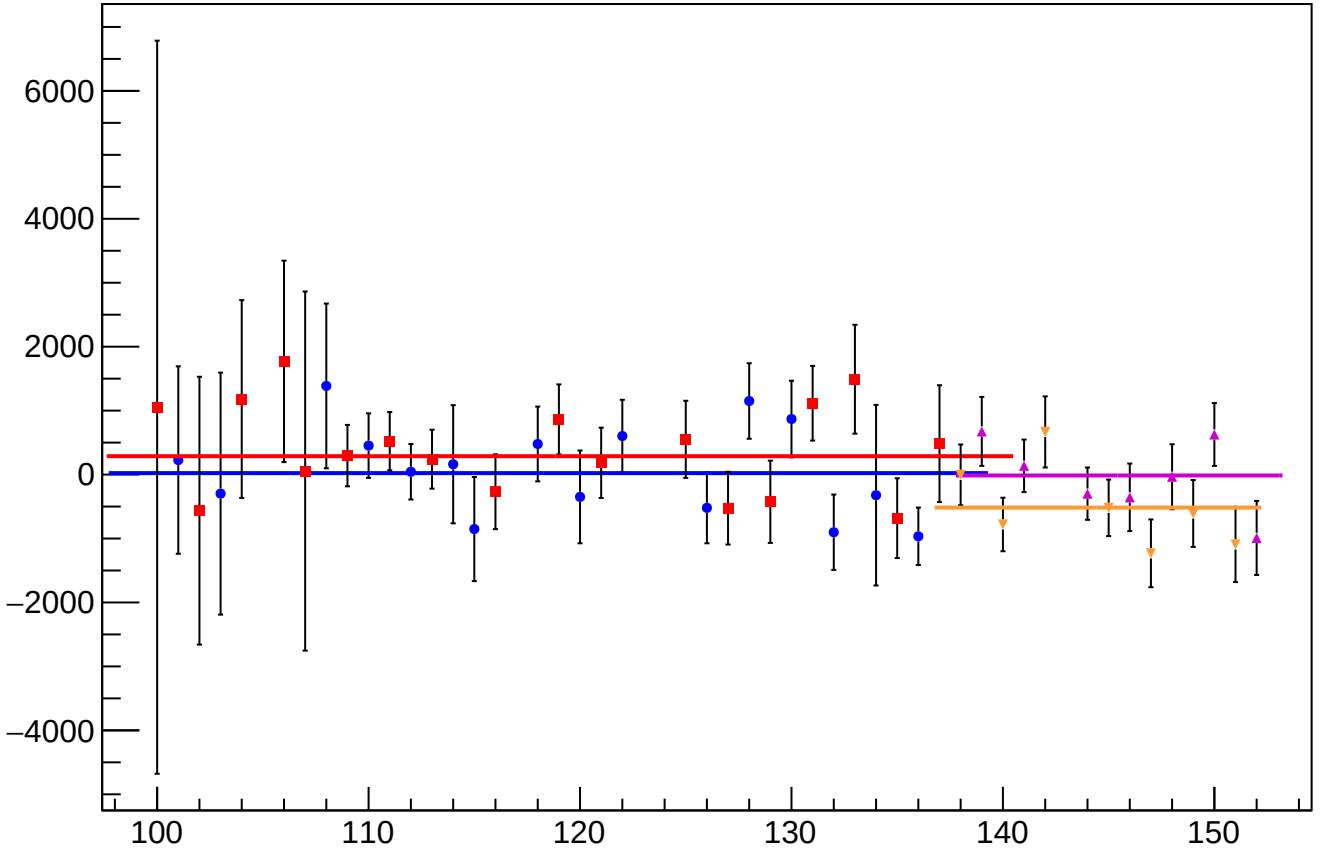
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1116.815+/-0.219 χ^2/NDF:647243.6/22

Out: 1125.466+/-0.226 χ^2/NDF:247760.2/24

All: 1120.992+/-0.157 χ^2/NDF: 895759.1/47

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: -13.975+/-182.776 χ^2/NDF:7.2/6

Left: -259.284+/-130.696 χ^2/NDF: 19.8/13

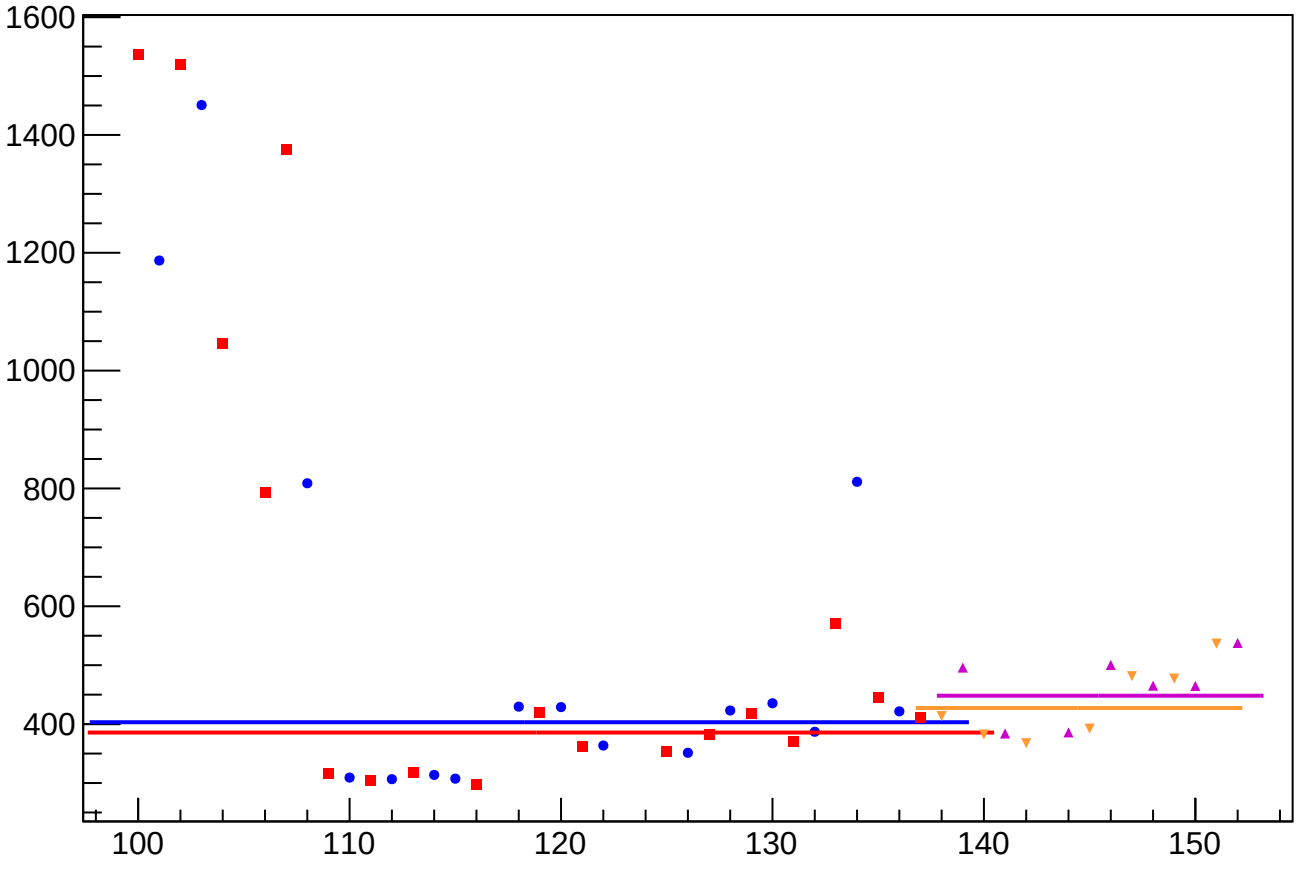
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 6.775+/-120.914 χ^2/NDF:26.2/22

Out: -42.744+/-119.875 χ^2/NDF:33.4/24

All: -18.198+/-85.129 χ^2/NDF: 59.7/47

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 427.334+/-0.132 χ^2/NDF:168328.5/6

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 448.195+/-0.129 χ^2/NDF:182800.3/6

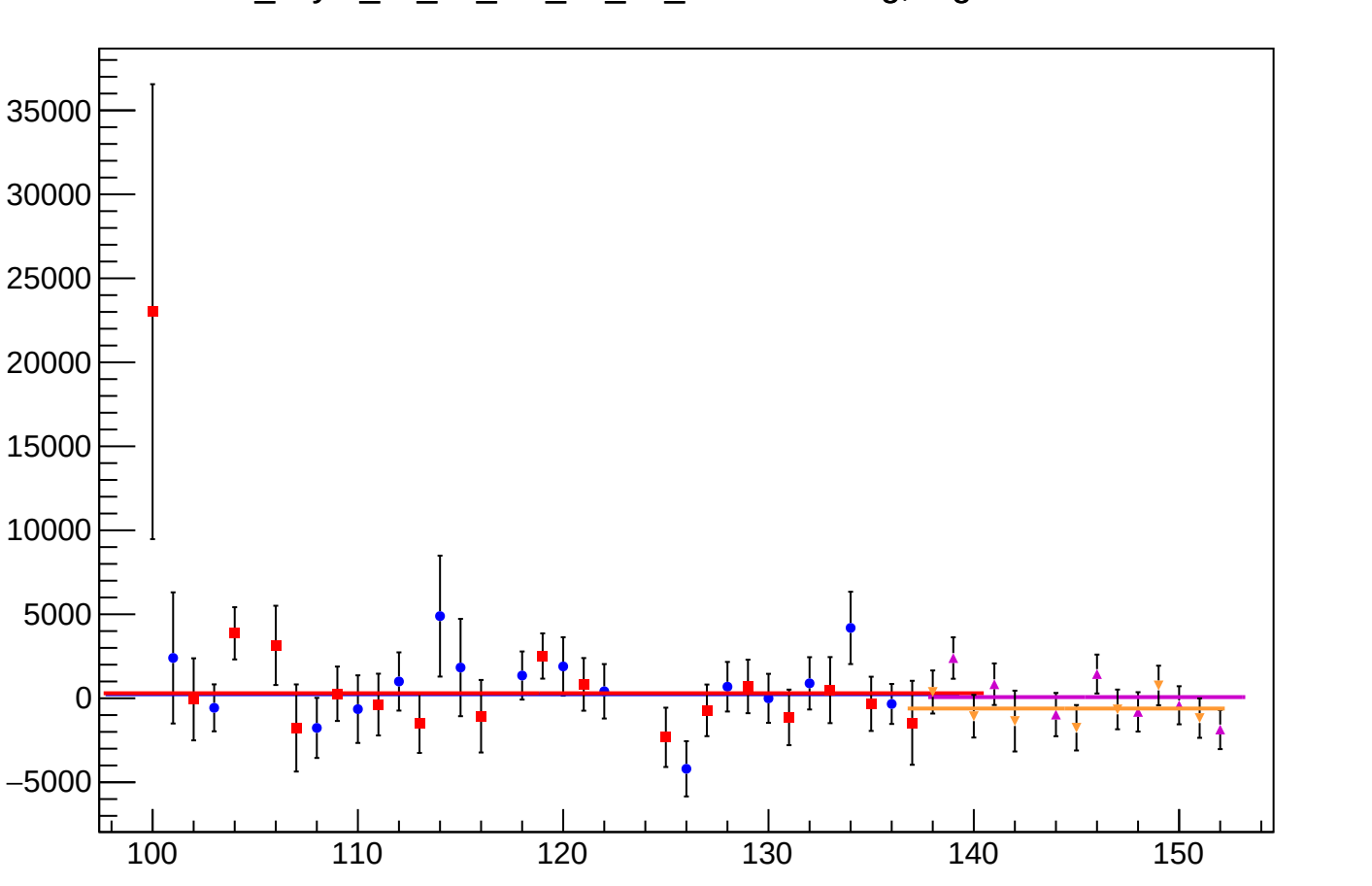
Left: 438.000+/-0.092 χ^2/NDF: 363861.5/13

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 422.882+/-0.085 χ^2/NDF:2063127.1/22

Out: 402.805+/-0.085 χ^2/NDF:1973938.0/24

All: 412.757+/-0.060 χ^2/NDF: 4064871.2/47



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: 69.646+/-451.986 χ^2/NDF:9.5/6

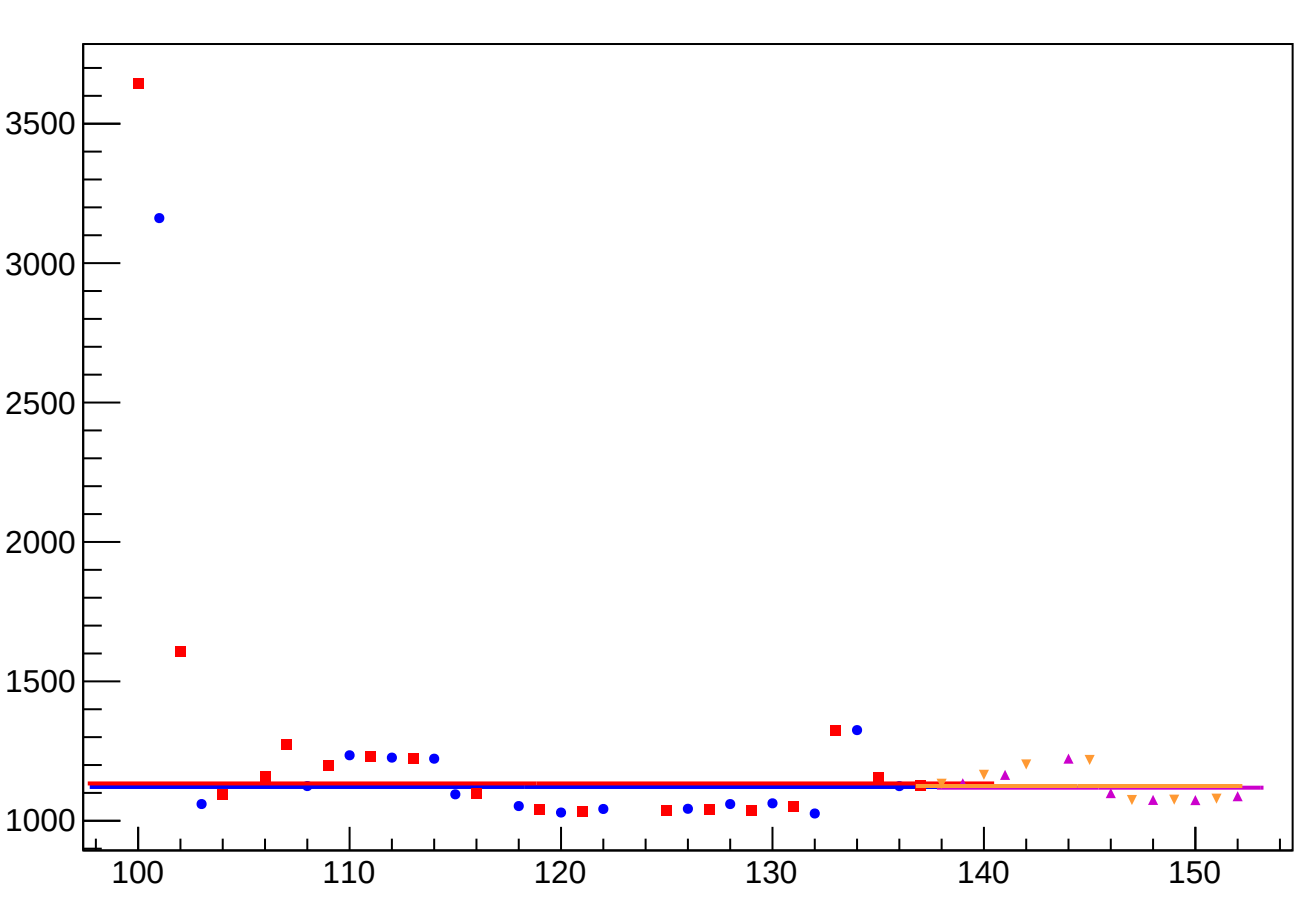
Left: -246.147+/-330.753 χ^2/NDF: 13.7/13

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 160.180+/-310.235 χ^2/NDF:26.5/22

Out: -101.714+/-322.160 χ^2/NDF:23.9/24

All: 34.170+/-223.466 χ^2/NDF: 50.7/47



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: 1118.721+/-0.320 χ^2/NDF:23985.2/6

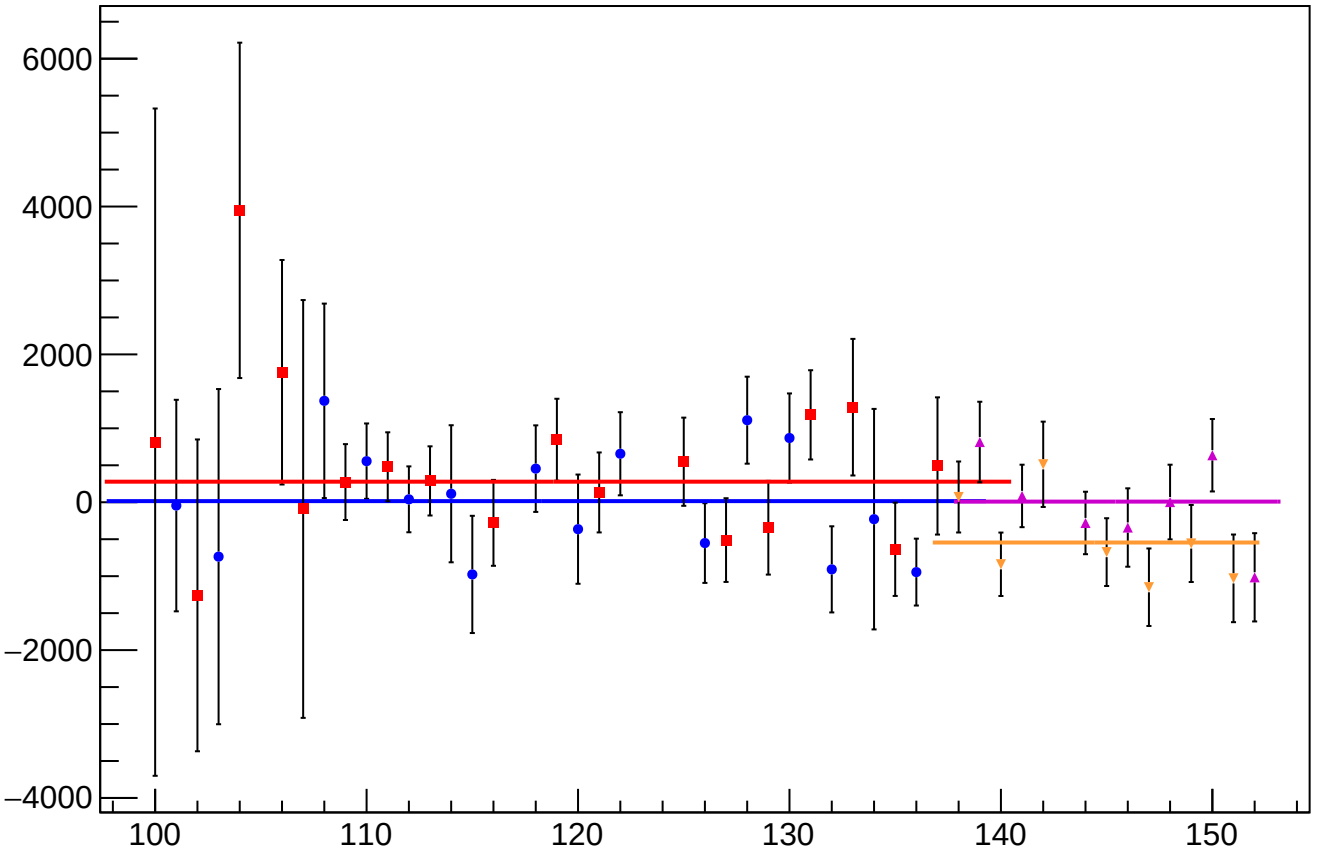
Left: 1121.534+/-0.234 χ^2/NDF: 49520.9/13

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1120.082+/-0.219 χ^2/NDF:641047.8/22

Out: 1129.896+/-0.228 χ^2/NDF:253224.0/24

All: 1124.804+/-0.158 χ^2/NDF: 895234.8/47



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: 8.623+/-185.622 χ^2/NDF:7.7/6

Left: -261.538+/-132.775 χ^2/NDF: 19.6/13

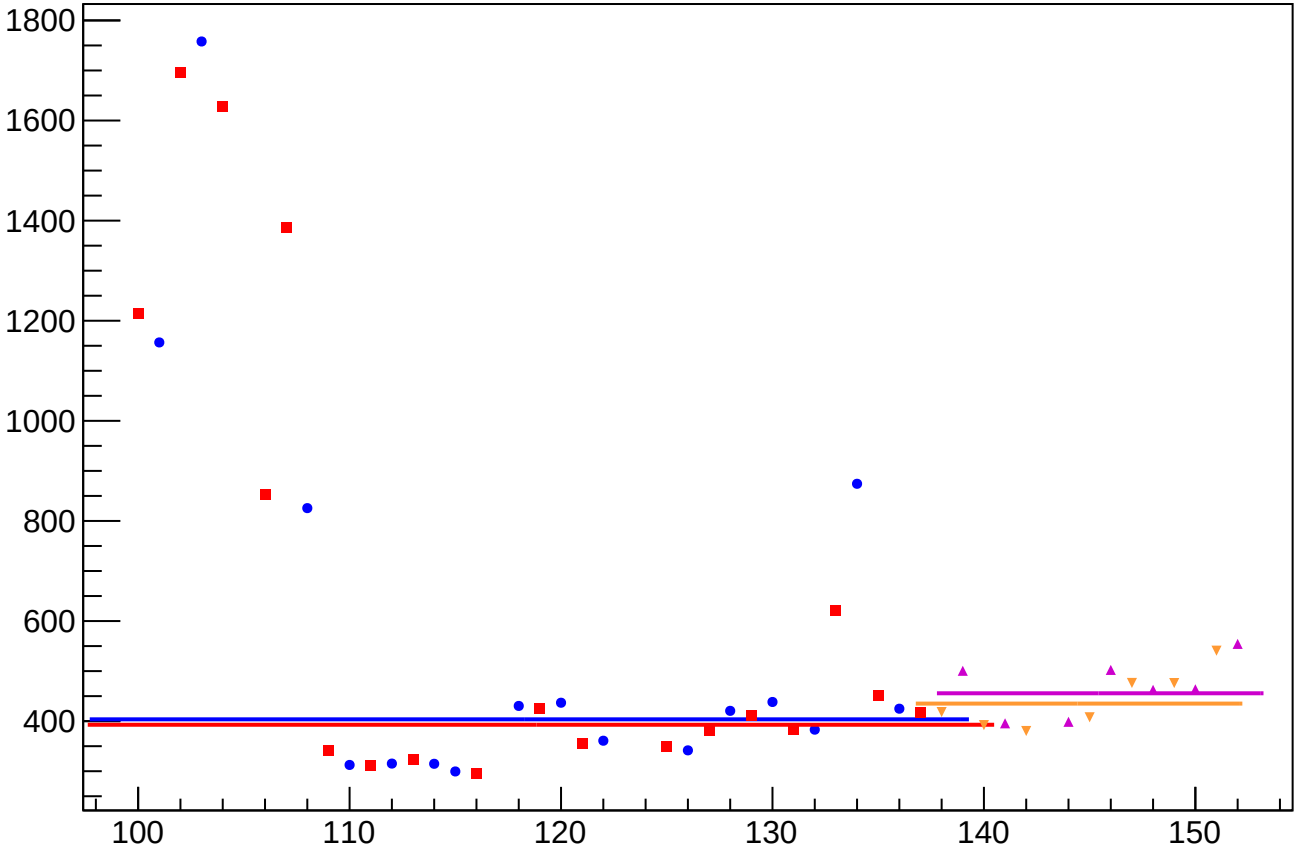
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 12.412+/-121.988 χ^2/NDF:27.3/22

Out: -60.222+/-121.859 χ^2/NDF:33.7/24

All: -23.943+/-86.213 χ^2/NDF: 61.2/47

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: 455.705+/-0.131 χ^2/NDF:161444.0/6

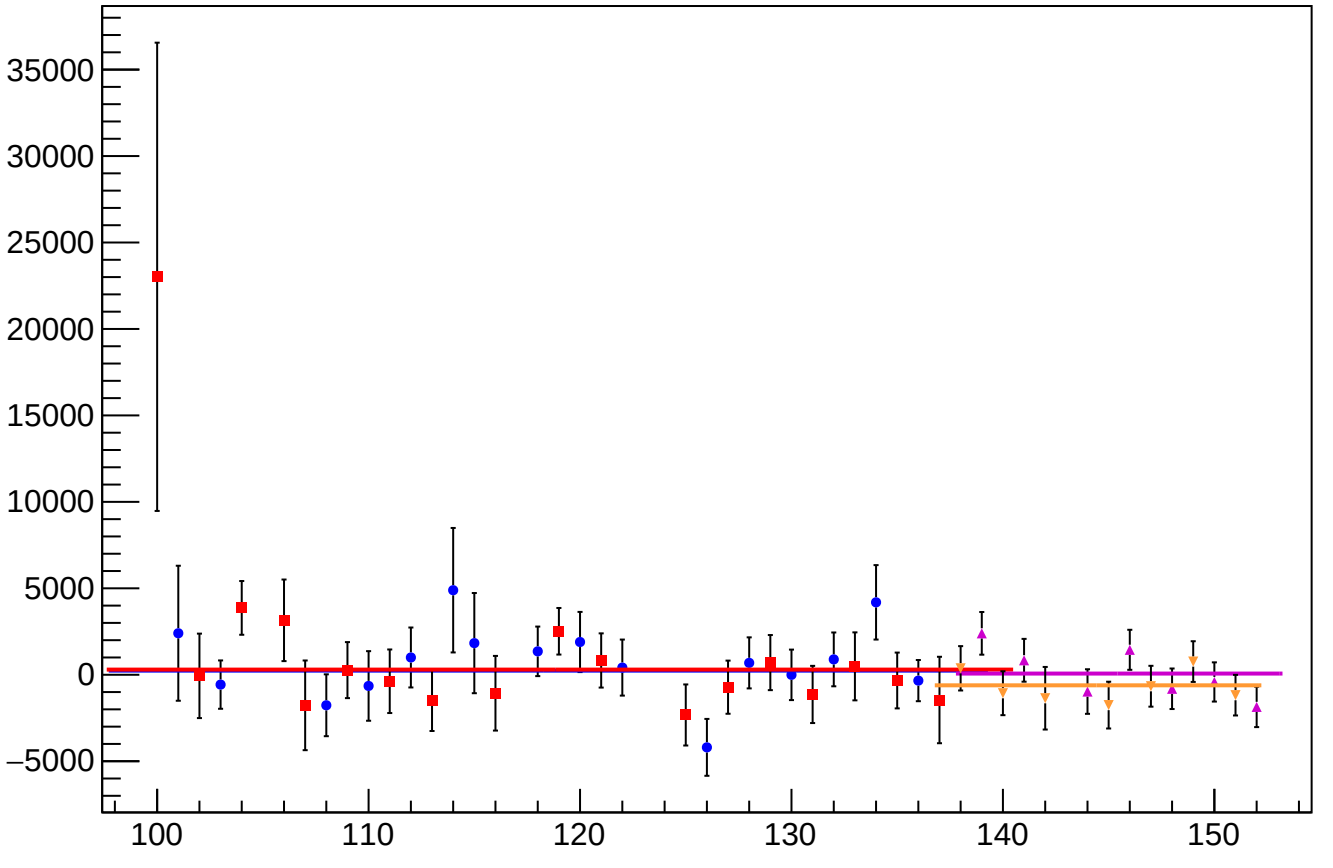
Left: 445.643+/-0.094 χ^2/NDF: 309511.8/13

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 426.135+/-0.086 χ^2/NDF:2180379.2/22

Out: 410.212+/-0.086 χ^2/NDF:2397785.4/24

All: 418.165+/-0.061 χ^2/NDF: 4595221.7/47



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: 69.643+/-451.986 χ^2/NDF:9.5/6

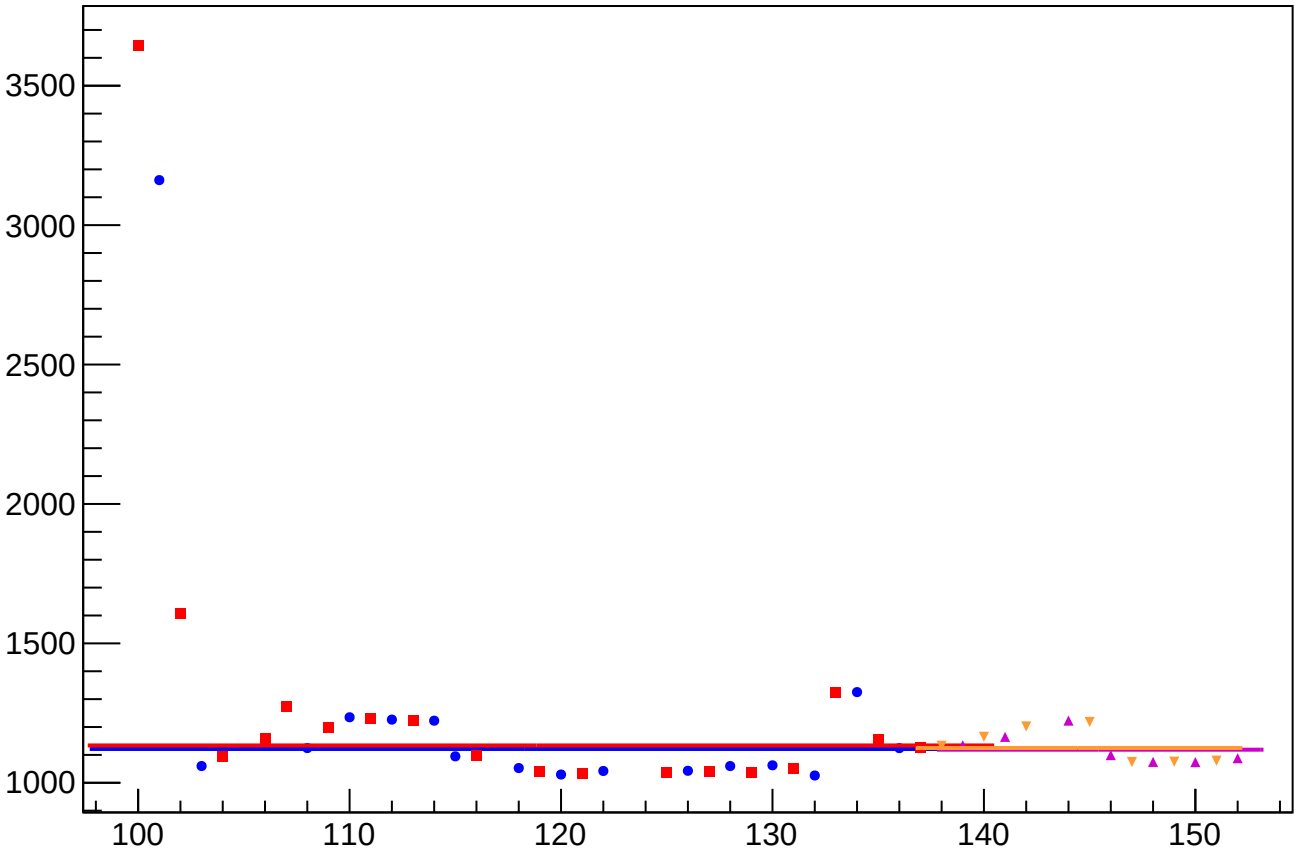
Left: -246.151+/-330.753 χ^2/NDF: 13.7/13

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 160.180+/-310.235 χ^2/NDF:26.5/22

Out: -101.716+/-322.160 χ^2/NDF:23.9/24

All: 34.169+/-223.466 χ^2/NDF: 50.7/47



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: 1118.721+/-0.320 χ^2/NDF:23985.3/6

Left: 1121.534+/-0.234 χ^2/NDF: 49521.0/13

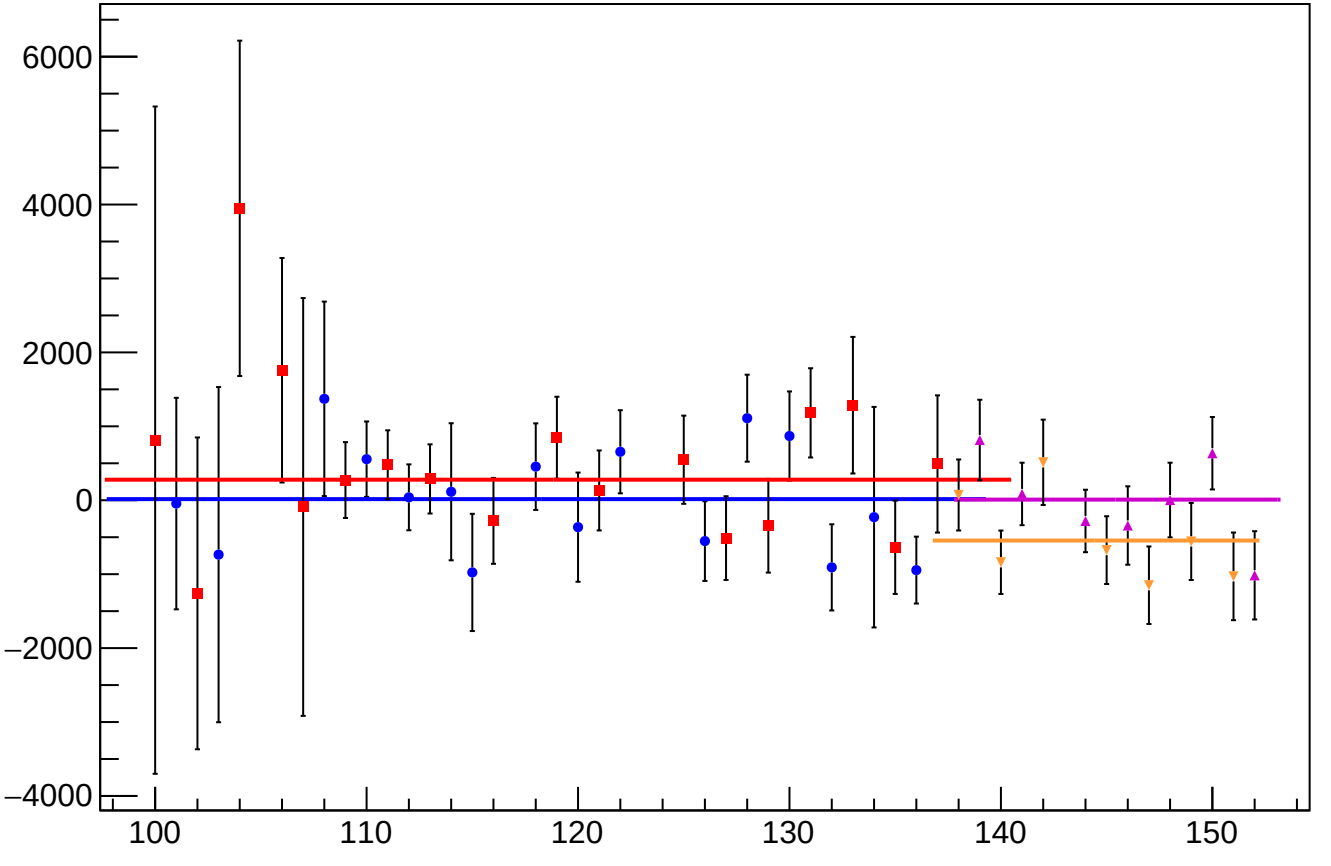
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1120.082+/-0.219 χ^2/NDF:641047.9/22

Out: 1129.896+/-0.228 χ^2/NDF:253224.2/24

All: 1124.804+/-0.158 χ^2/NDF: 895235.0/47

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: 8.628+/-185.622 χ^2/NDF:7.7/6

Left: -261.540+/-132.776 χ^2/NDF: 19.6/13

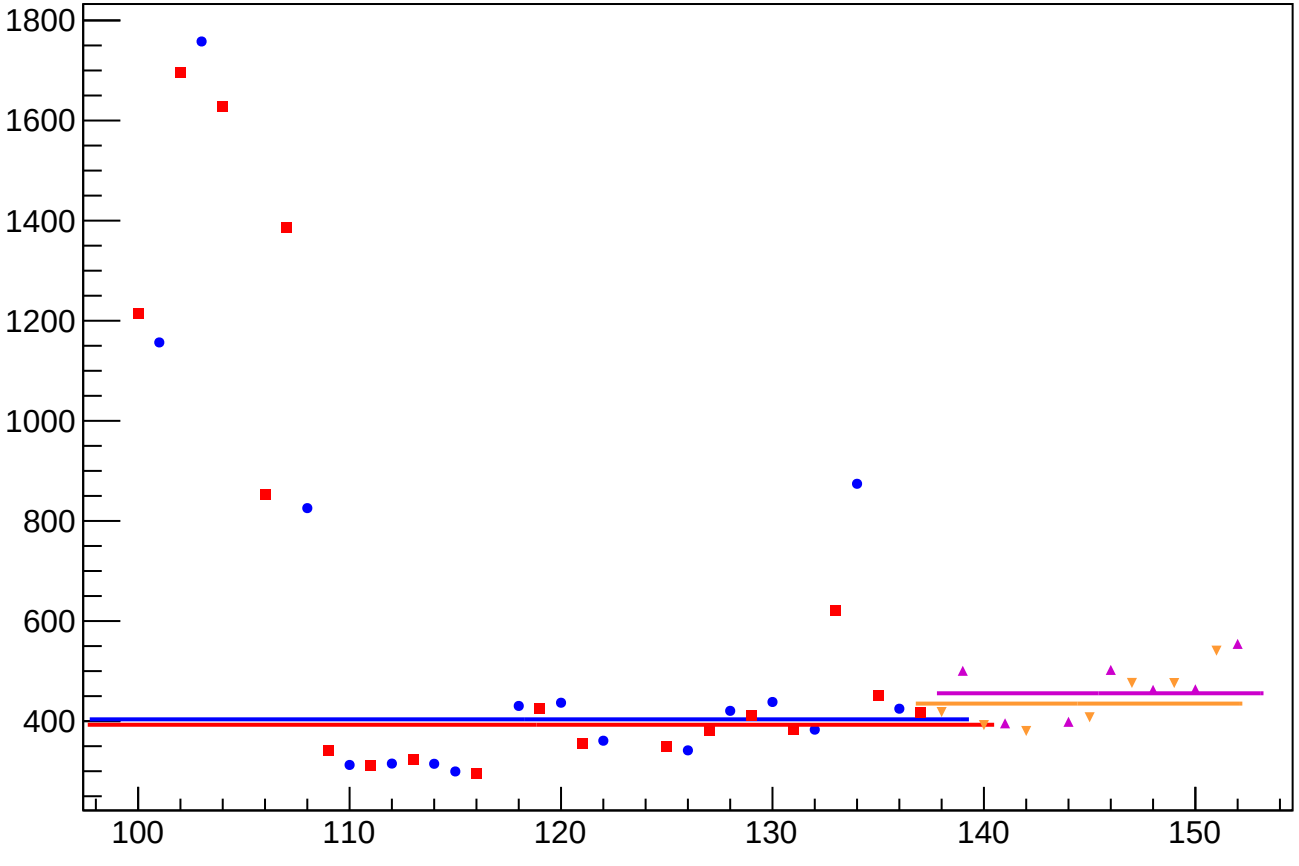
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: 12.412+/-121.987 χ^2/NDF:27.3/22

Out: -60.223+/-121.858 χ^2/NDF:33.7/24

All: -23.944+/-86.212 χ^2/NDF: 61.2/47

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: 455.707+/-0.131 χ^2/NDF:161444.8/6

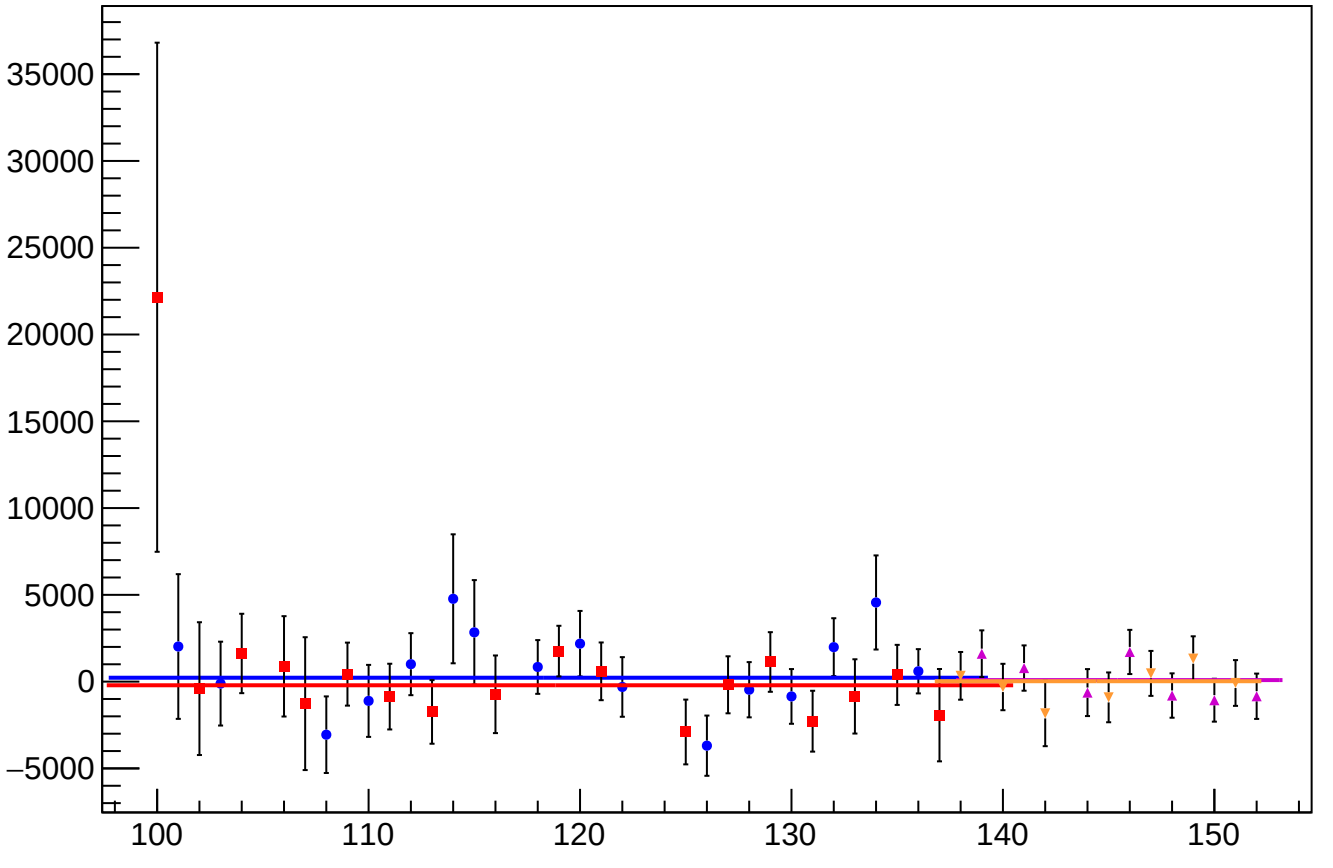
Left: 445.644+/-0.094 χ^2/NDF: 309514.6/13

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 426.134+/-0.086 χ^2/NDF:2180393.8/22

Out: 410.210+/-0.086 χ^2/NDF:2397800.7/24

All: 418.164+/-0.061 χ^2/NDF: 4595253.7/47



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: 88.996+/-490.634 χ^2/NDF:5.3/6

Left: 58.760+/-358.455 χ^2/NDF: 8.0/13

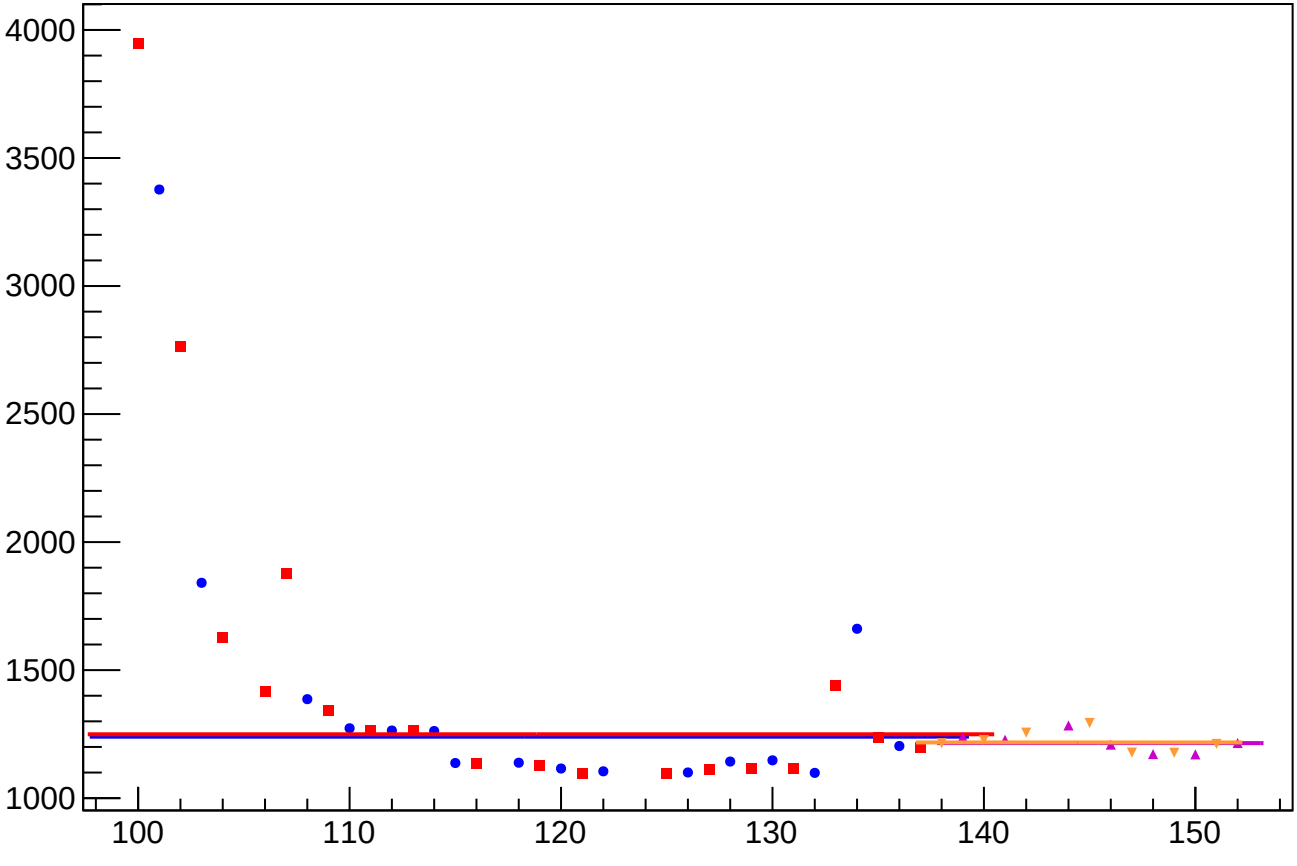
Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 159.168+/-341.105 χ^2/NDF:21.5/22

Out: -103.776+/-353.365 χ^2/NDF:13.7/24

All: 32.336+/-245.418 χ^2/NDF: 35.5/47

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1217.628+/-0.371 χ^2/NDF:10429.6/6

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1215.015+/-0.347 χ^2/NDF:10828.1/6

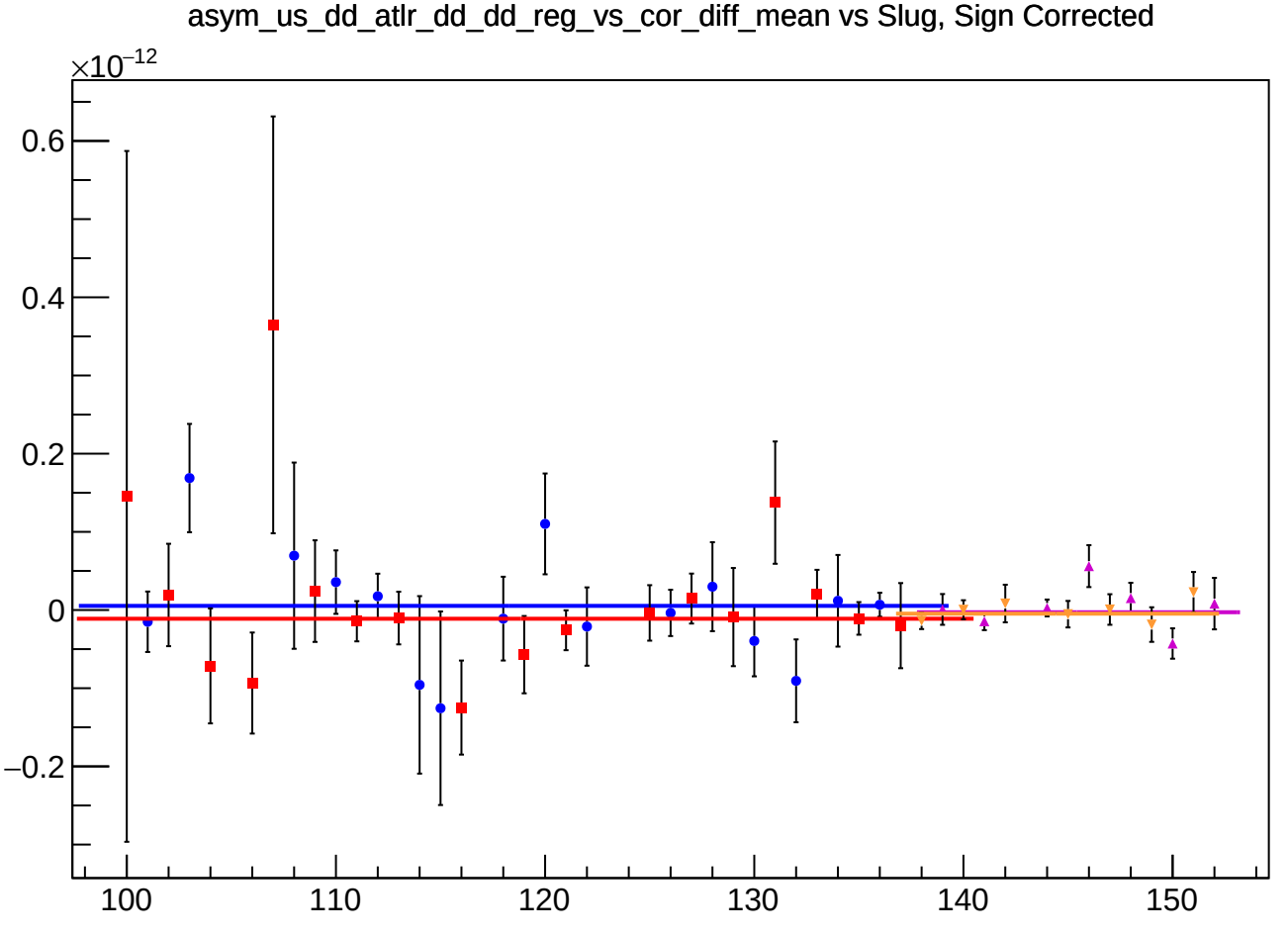
Left: 1216.233+/-0.253 χ^2/NDF: 21284.1/13

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1227.996+/-0.241 χ^2/NDF:796217.5/22

Out: 1235.010+/-0.250 χ^2/NDF:620538.1/24

All: 1231.379+/-0.174 χ^2/NDF: 1417163.6/47



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:11.4/6

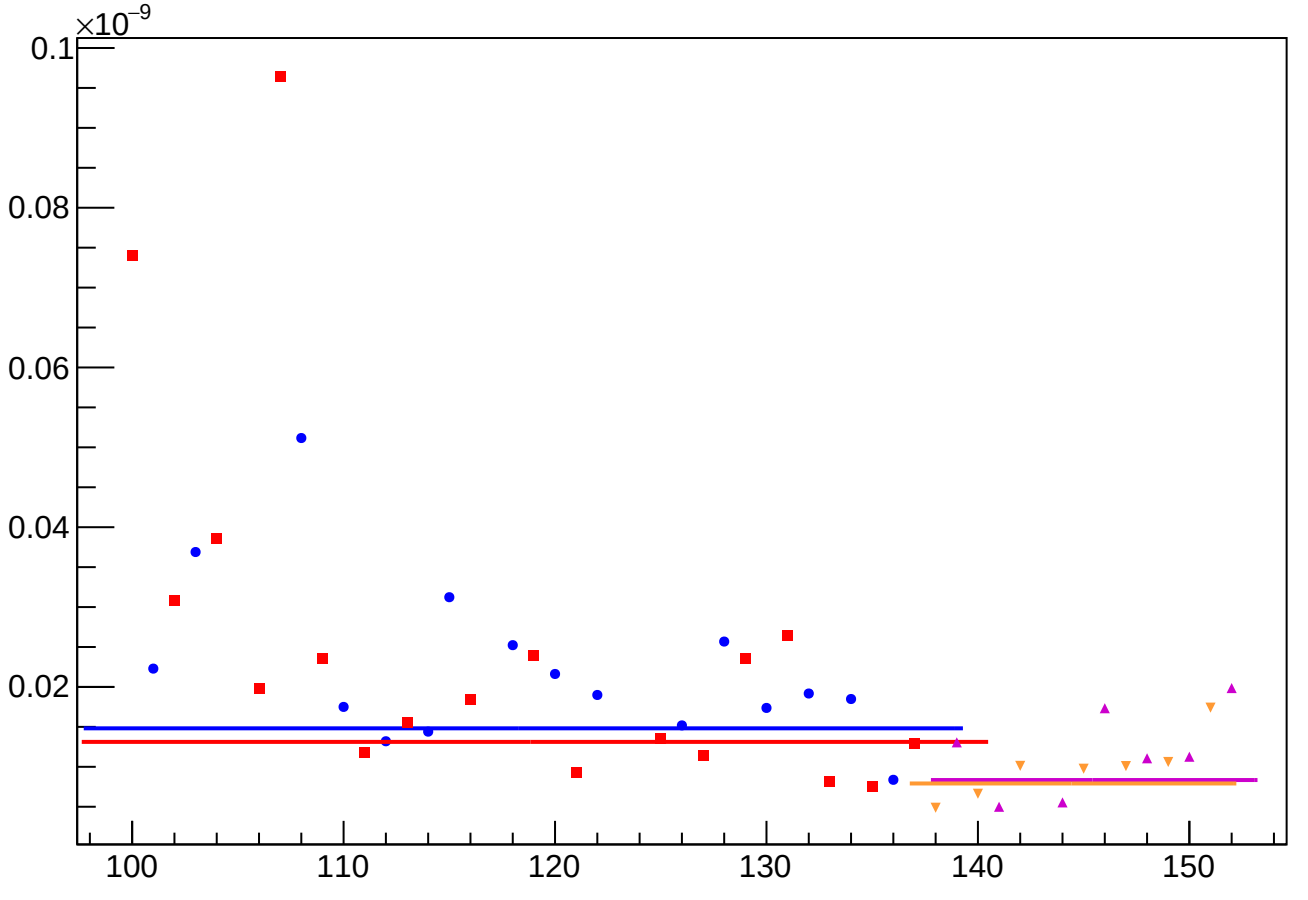
Left: -0.000+/-0.000 χ^2/NDF: 14.2/13

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: -0.000+/-0.000 χ^2/NDF:28.3/22

Out: -0.000+/-0.000 χ^2/NDF:18.1/24

All: -0.000+/-0.000 χ^2/NDF: 47.1/47



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:978732.1/6

Left: 0.000+/-0.000 χ^2/NDF: 1531513.2/13

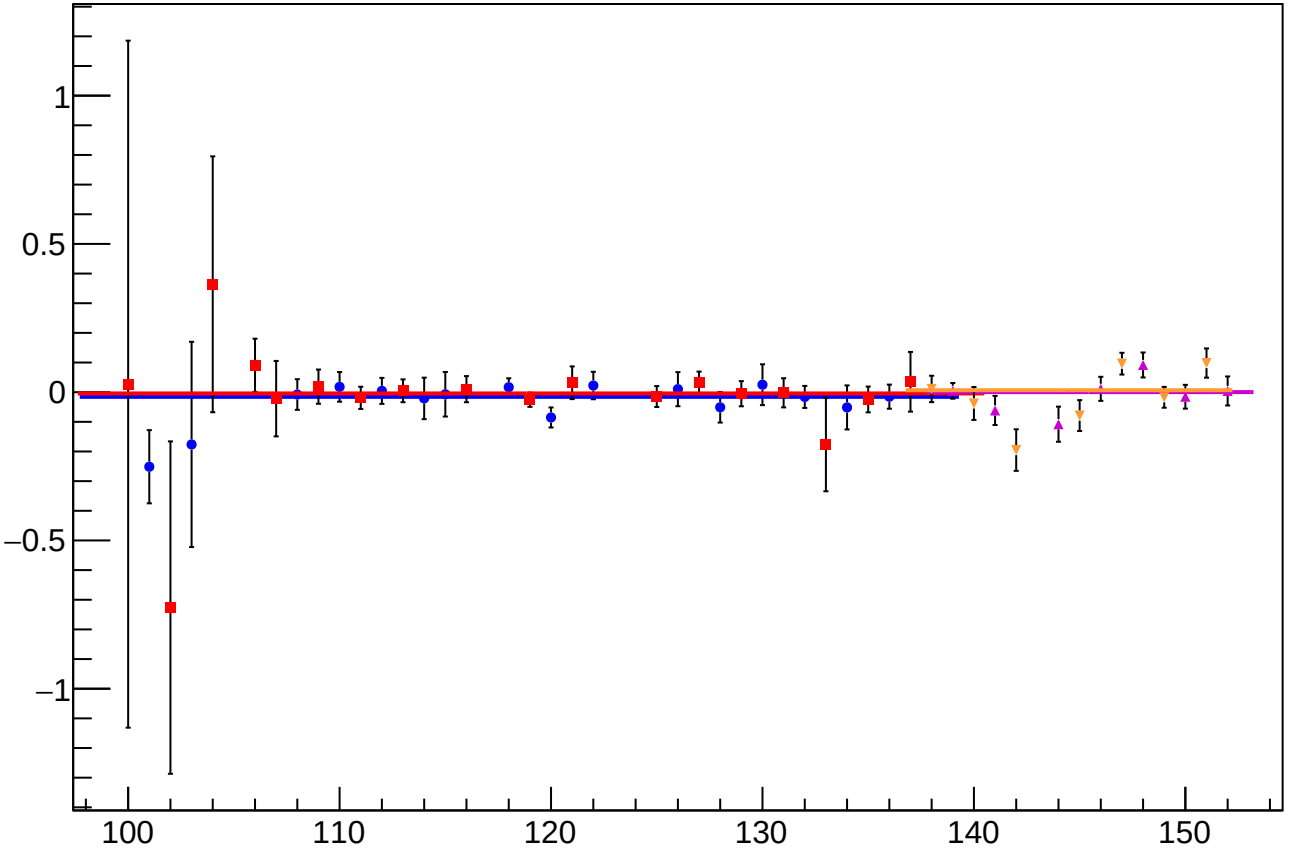
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2701310.0/22

Out: 0.000+/-0.000 χ^2/NDF:2163807.9/24

All: 0.000+/-0.000 χ^2/NDF: 4886145.2/47

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+/-0.015 χ^2/NDF:9.9/6

Left: 0.003+/-0.011 χ^2/NDF: 31.5/13

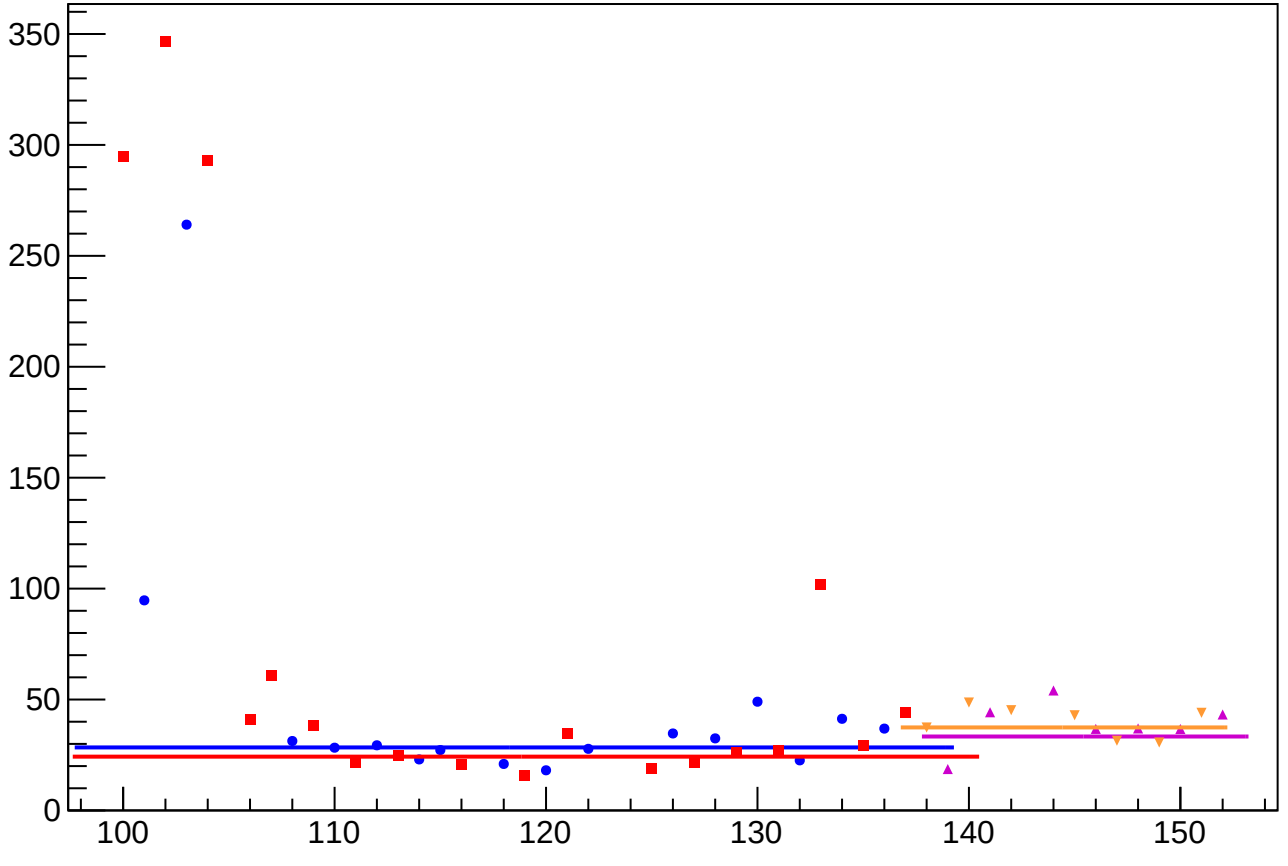
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.010 χ^2/NDF:22.5/22

Out: -0.001+/-0.010 χ^2/NDF:29.6/24

All: -0.005+/-0.007 χ^2/NDF: 52.5/47

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: 33.331+/-0.011 χ^2/NDF:1083130.4/6

Left: 35.120+/-0.008 χ^2/NDF: 1439206.9/13

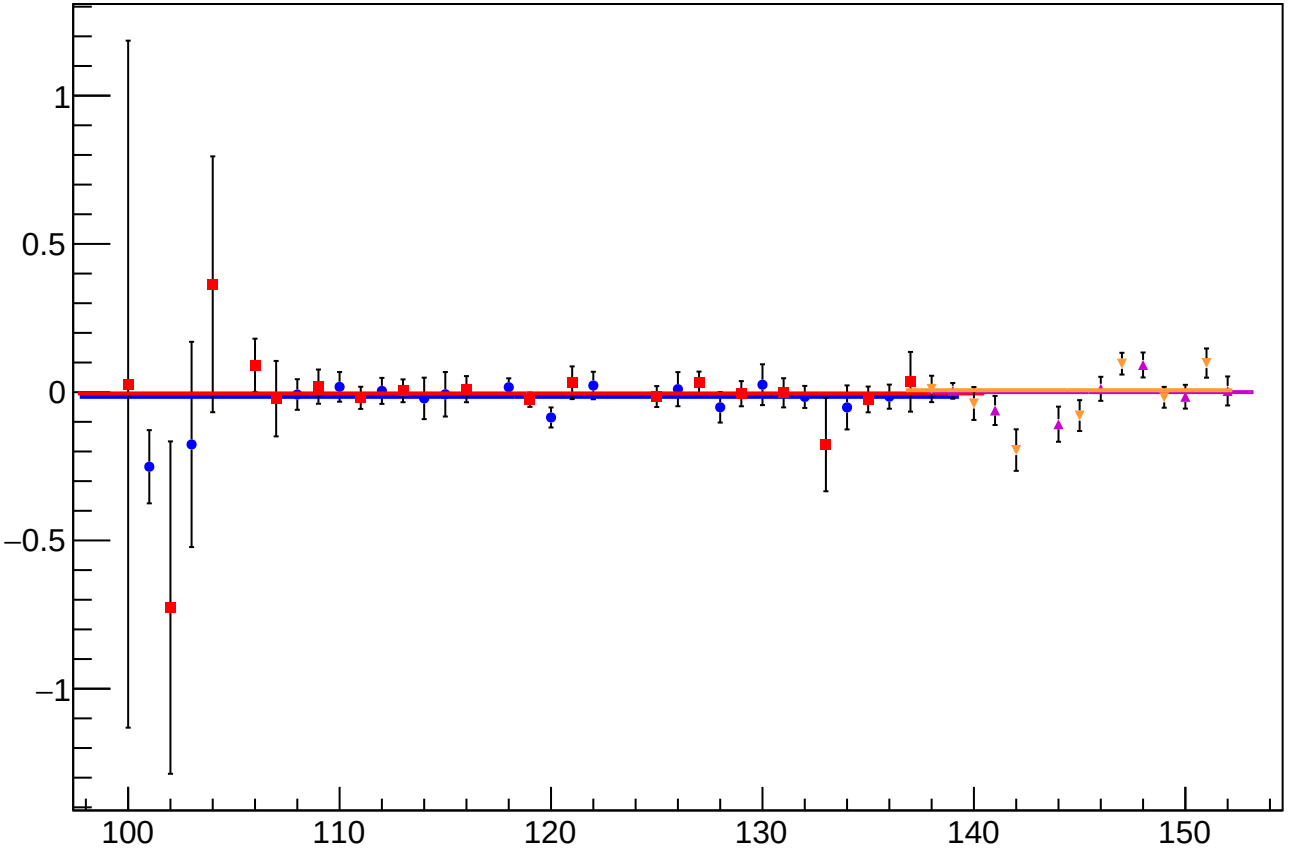
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 30.362+/-0.007 χ^2/NDF:3455544.5/22

Out: 28.282+/-0.007 χ^2/NDF:4016670.8/24

All: 29.319+/-0.005 χ^2/NDF: 7519715.2/47

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+/-0.015 χ^2/NDF:9.9/6

Left: 0.003+/-0.011 χ^2/NDF: 31.5/13

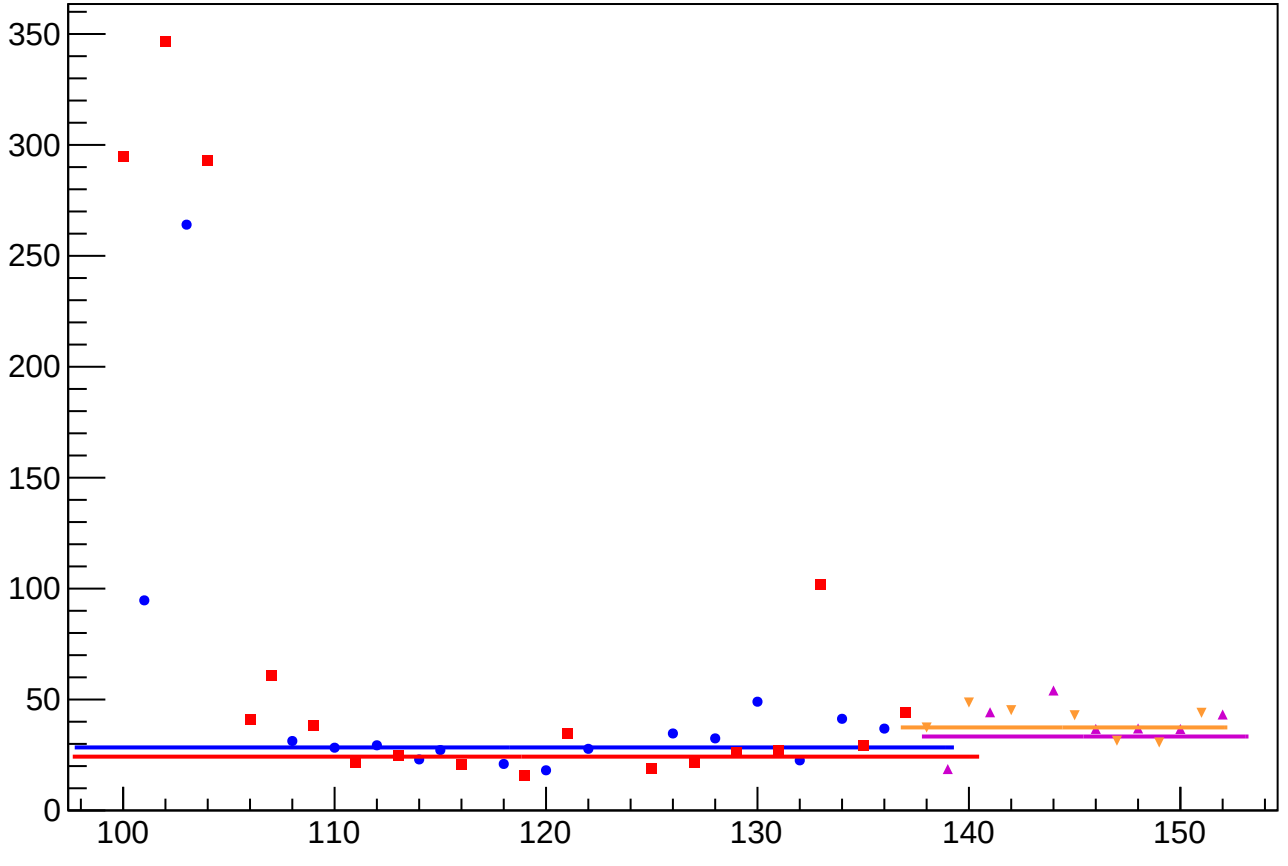
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.010 χ^2/NDF:22.5/22

Out: -0.001+/-0.010 χ^2/NDF:29.6/24

All: -0.005+/-0.007 χ^2/NDF: 52.5/47

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.425+/-0.012 χ^2/NDF:292549.0/6

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 33.331+/-0.011 χ^2/NDF:1083130.4/6

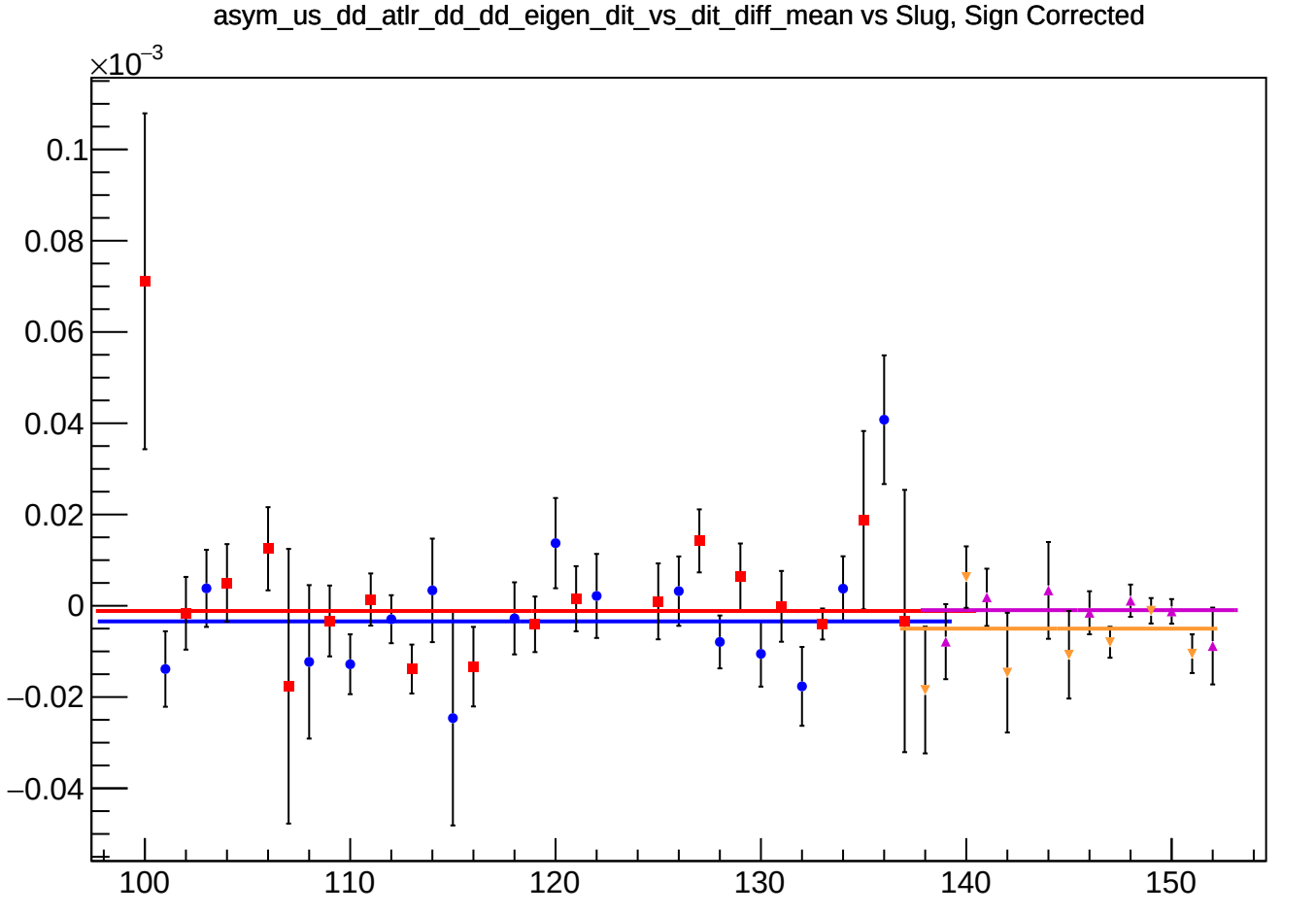
Left: 35.120+/-0.008 χ^2/NDF: 1439206.9/13

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

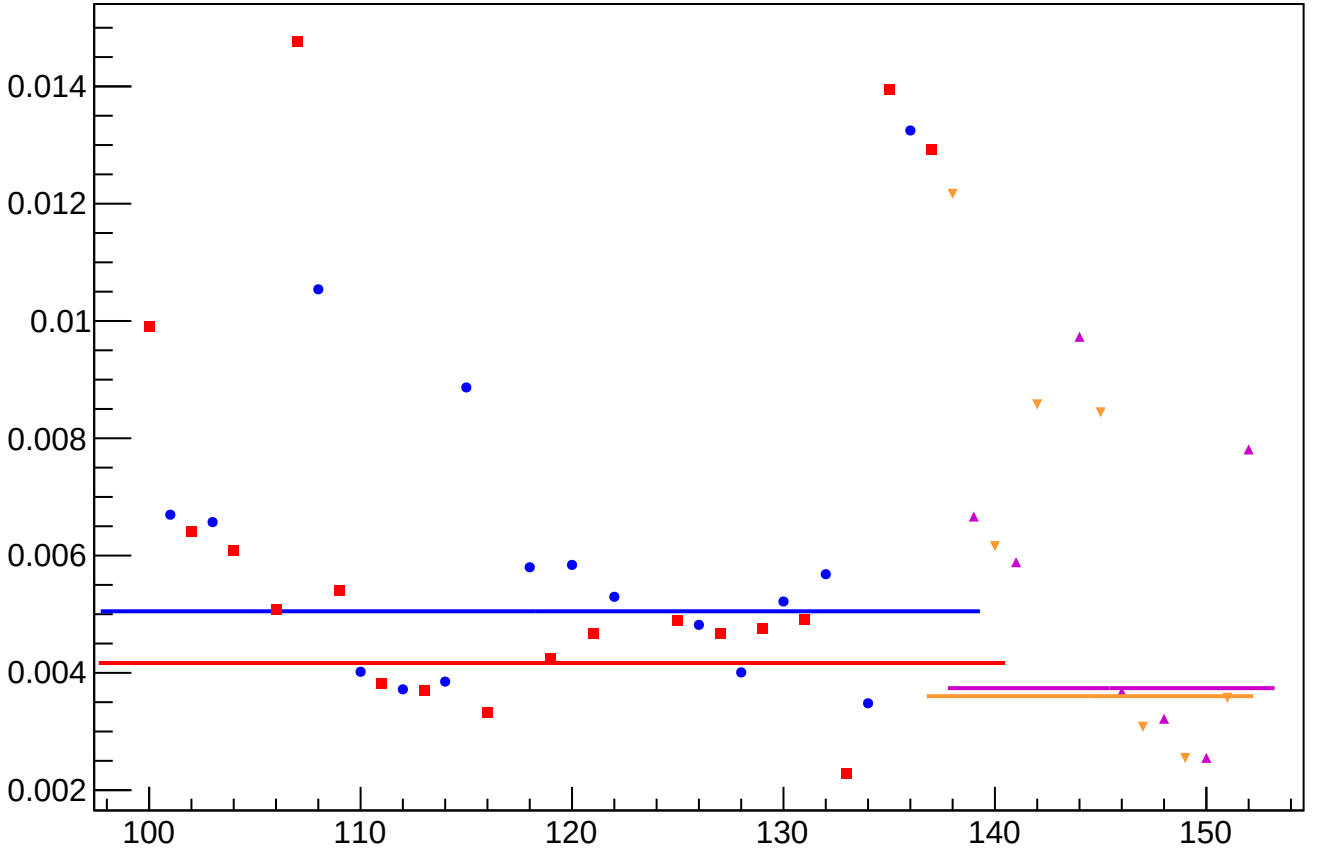
In: 30.362+/-0.007 χ^2/NDF:3455544.5/22

Out: 28.282+/-0.007 χ^2/NDF:4016670.8/24

All: 29.319+/-0.005 χ^2/NDF: 7519715.2/47


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:2.3/6
Left: -0.000+/-0.000 χ²/NDF: 14.0/13
Right: -0.000+/-0.000 χ²/NDF: 48.9/33
In: -0.000+/-0.000 χ²/NDF:28.3/22
Out: -0.000+/-0.000 χ²/NDF:34.5/24
All: -0.000+/-0.000 χ²/NDF: 63.1/47

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:2026497.0/6

Left: 0.004+/-0.000 χ^2/NDF: 4210596.1/13

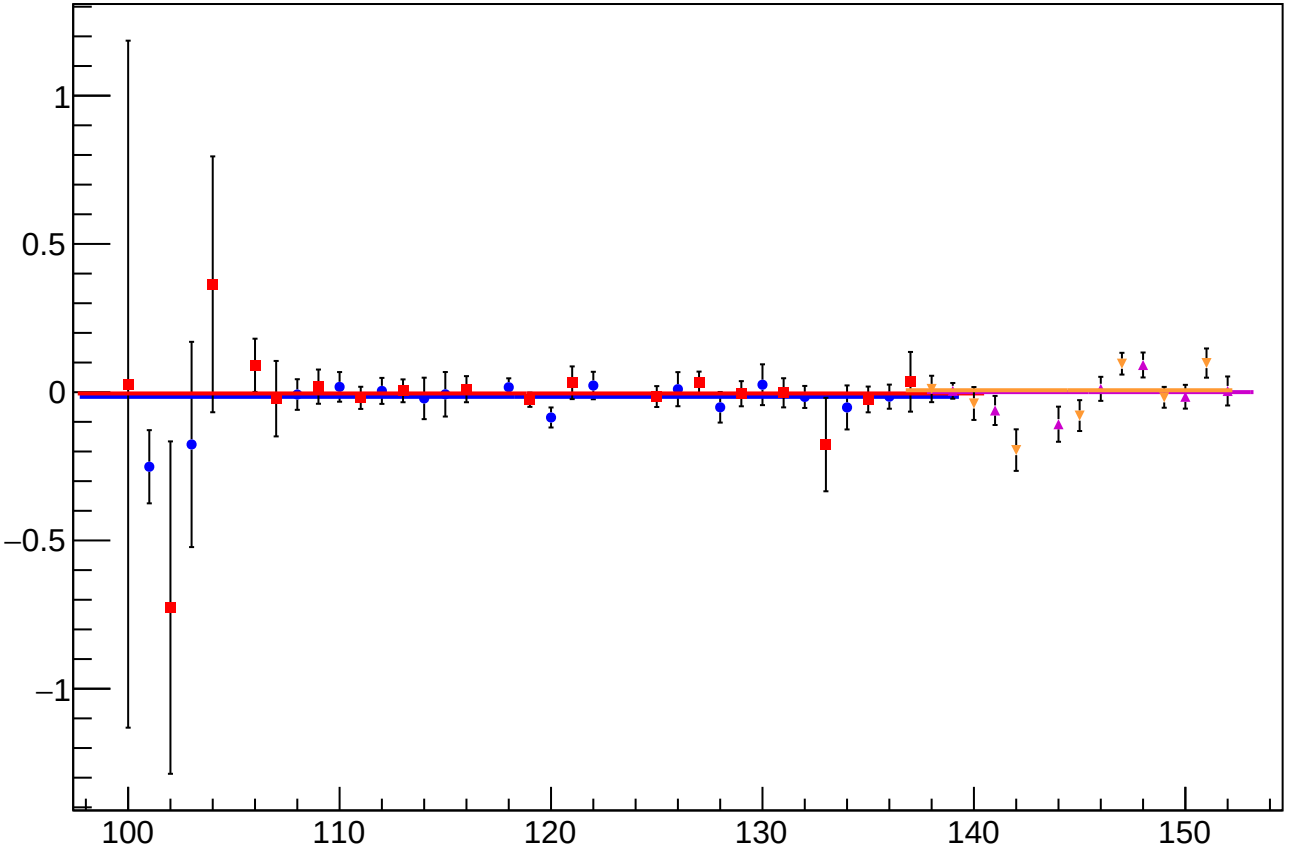
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:4000168.5/22

Out: 0.004+/-0.000 χ^2/NDF:4325959.3/24

All: 0.004+/-0.000 χ^2/NDF: 8424799.8/47

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+/-0.015 χ^2/NDF:9.9/6

Left: 0.003+/-0.011 χ^2/NDF: 31.5/13

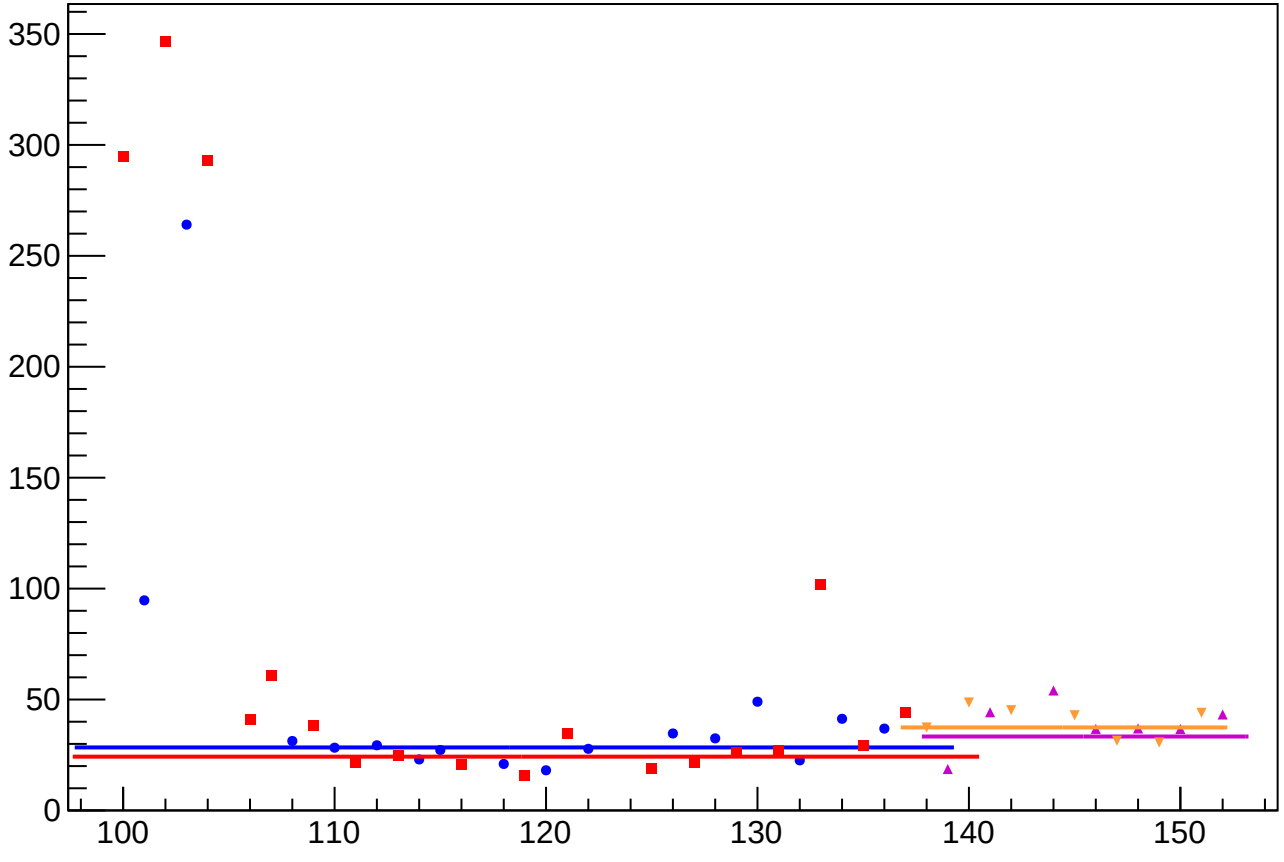
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.010 χ^2/NDF:22.5/22

Out: -0.001+/-0.010 χ^2/NDF:29.6/24

All: -0.005+/-0.007 χ^2/NDF: 52.5/47

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: 33.329+/-0.011 χ^2/NDF:1083542.6/6

Left: 35.118+/-0.008 χ^2/NDF: 1439792.9/13

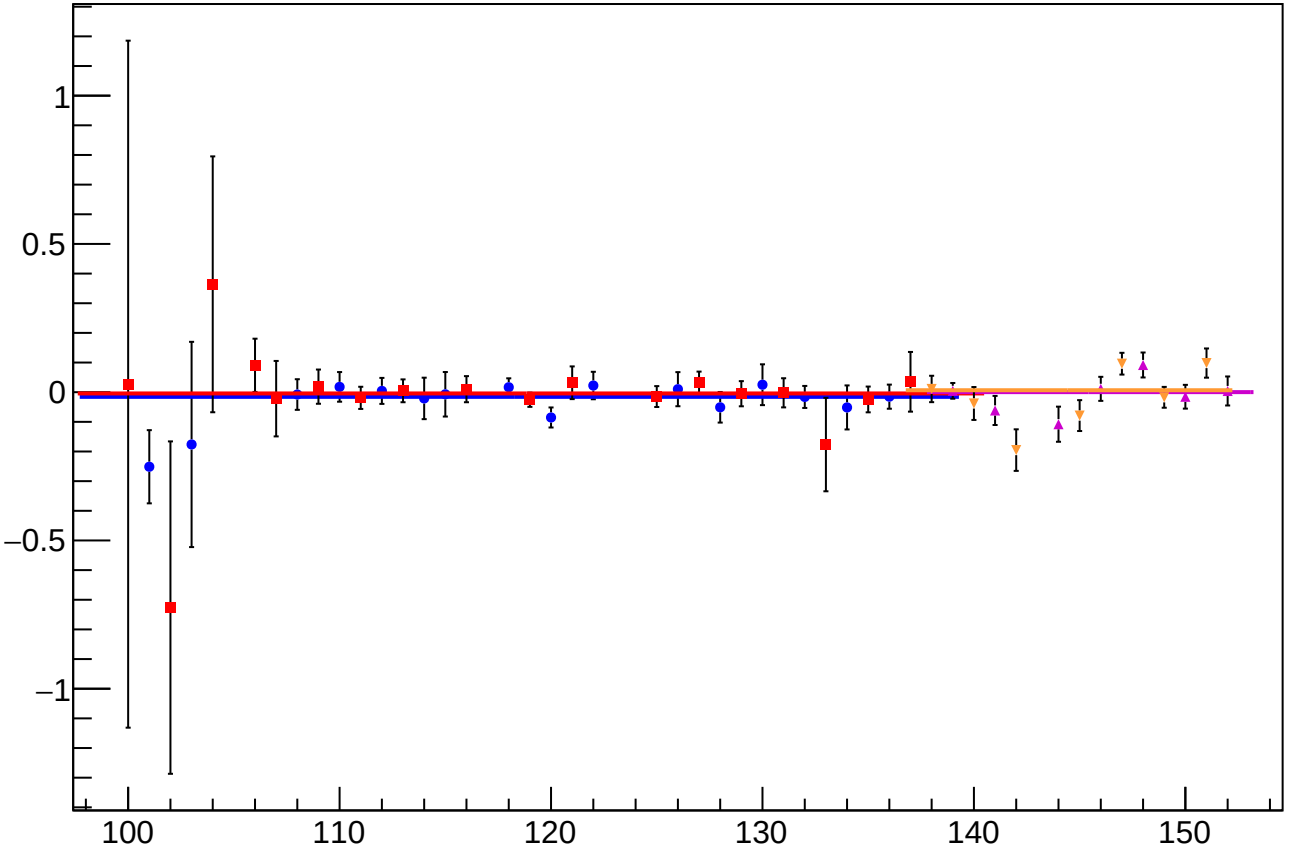
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 30.361+/-0.007 χ^2/NDF:3455873.1/22

Out: 28.280+/-0.007 χ^2/NDF:4017142.6/24

All: 29.318+/-0.005 χ^2/NDF: 7520555.6/47

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+/-0.015 χ^2/NDF:9.9/6

Left: 0.003+/-0.011 χ^2/NDF: 31.5/13

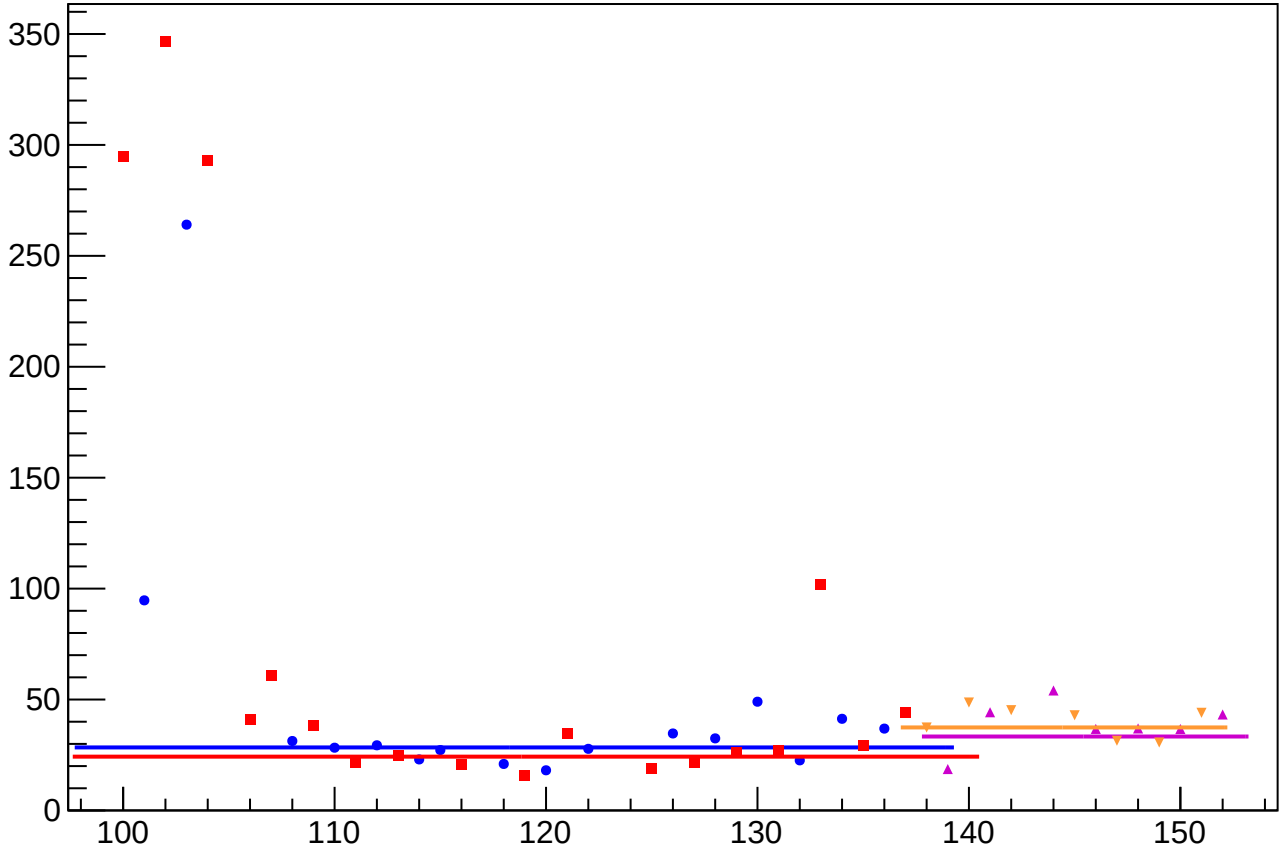
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.010 χ^2/NDF:22.5/22

Out: -0.001+/-0.010 χ^2/NDF:29.6/24

All: -0.005+/-0.007 χ^2/NDF: 52.5/47

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: 33.329+/-0.011 χ^2/NDF:1083542.6/6

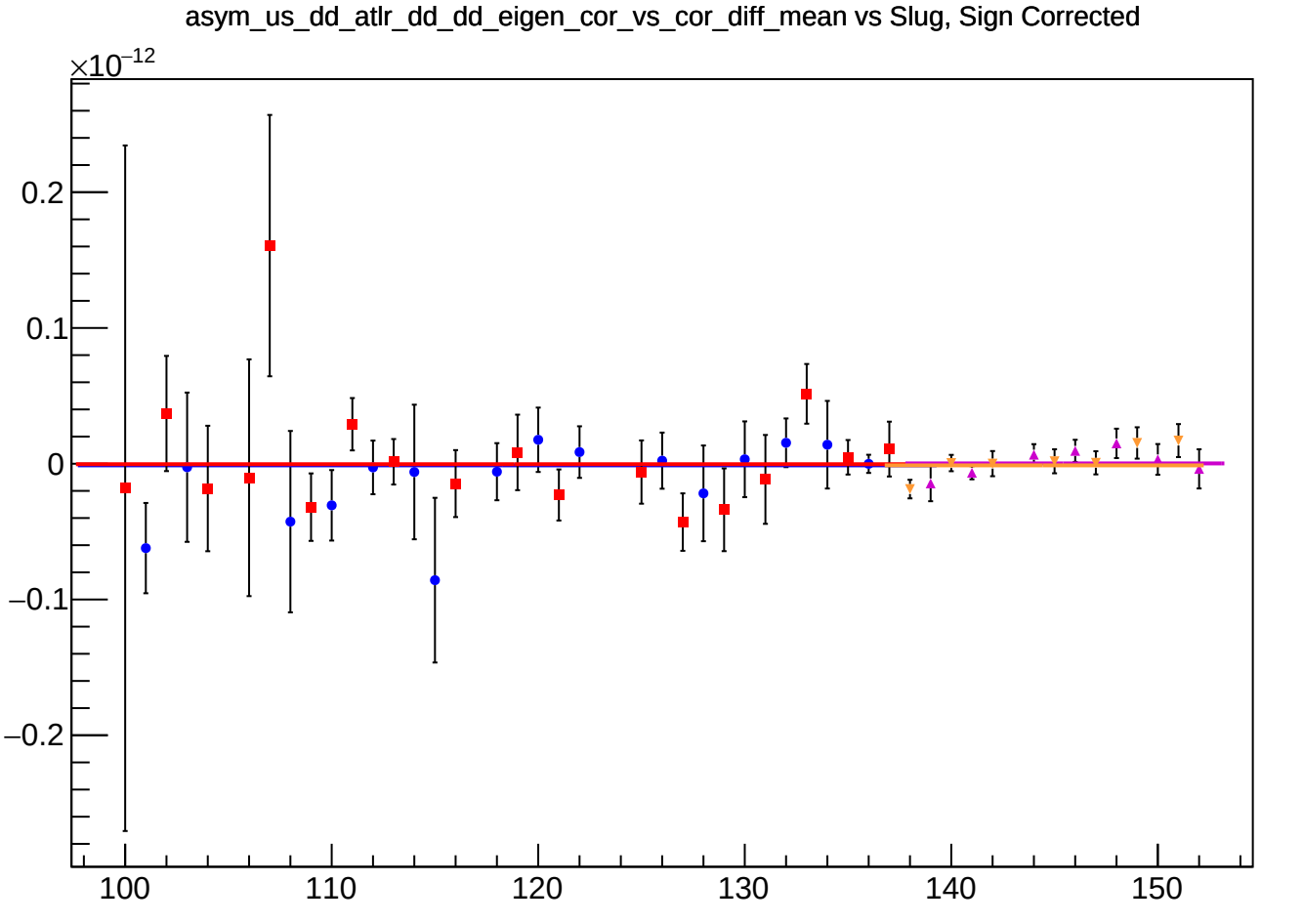
Left: 35.118+/-0.008 χ^2/NDF: 1439792.9/13

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 30.361+/-0.007 χ^2/NDF:3455873.1/22

Out: 28.280+/-0.007 χ^2/NDF:4017142.6/24

All: 29.318+/-0.005 χ^2/NDF: 7520555.6/47



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:7.2/6

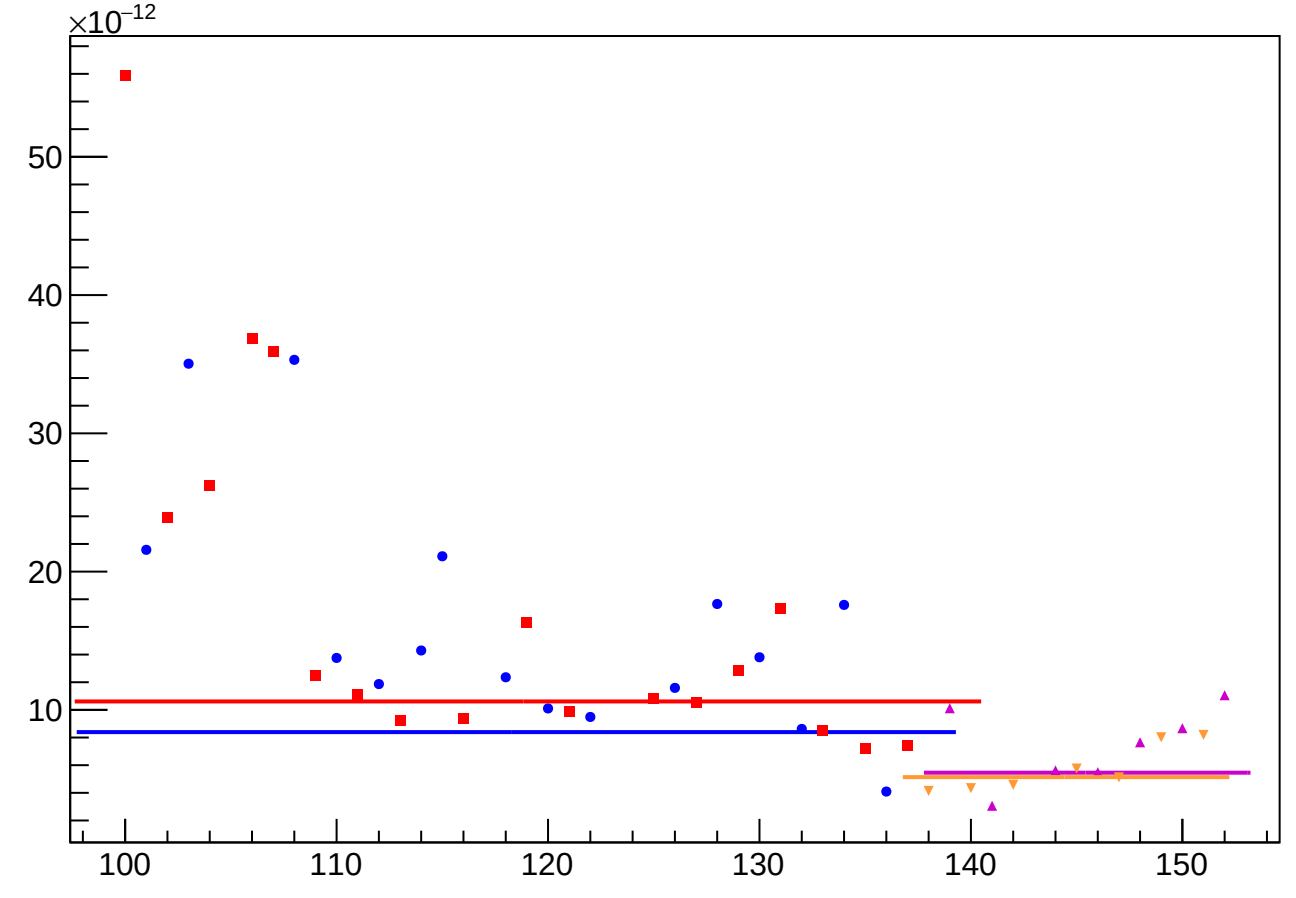
Left: -0.000+/-0.000 χ^2/NDF: 18.4/13

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: -0.000+/-0.000 χ^2/NDF:16.7/22

Out: -0.000+/-0.000 χ^2/NDF:32.2/24

All: -0.000+/-0.000 χ^2/NDF: 48.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:345197.8/6

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1281593.3/6

Left: 0.000+/-0.000 χ^2/NDF: 1637247.0/13

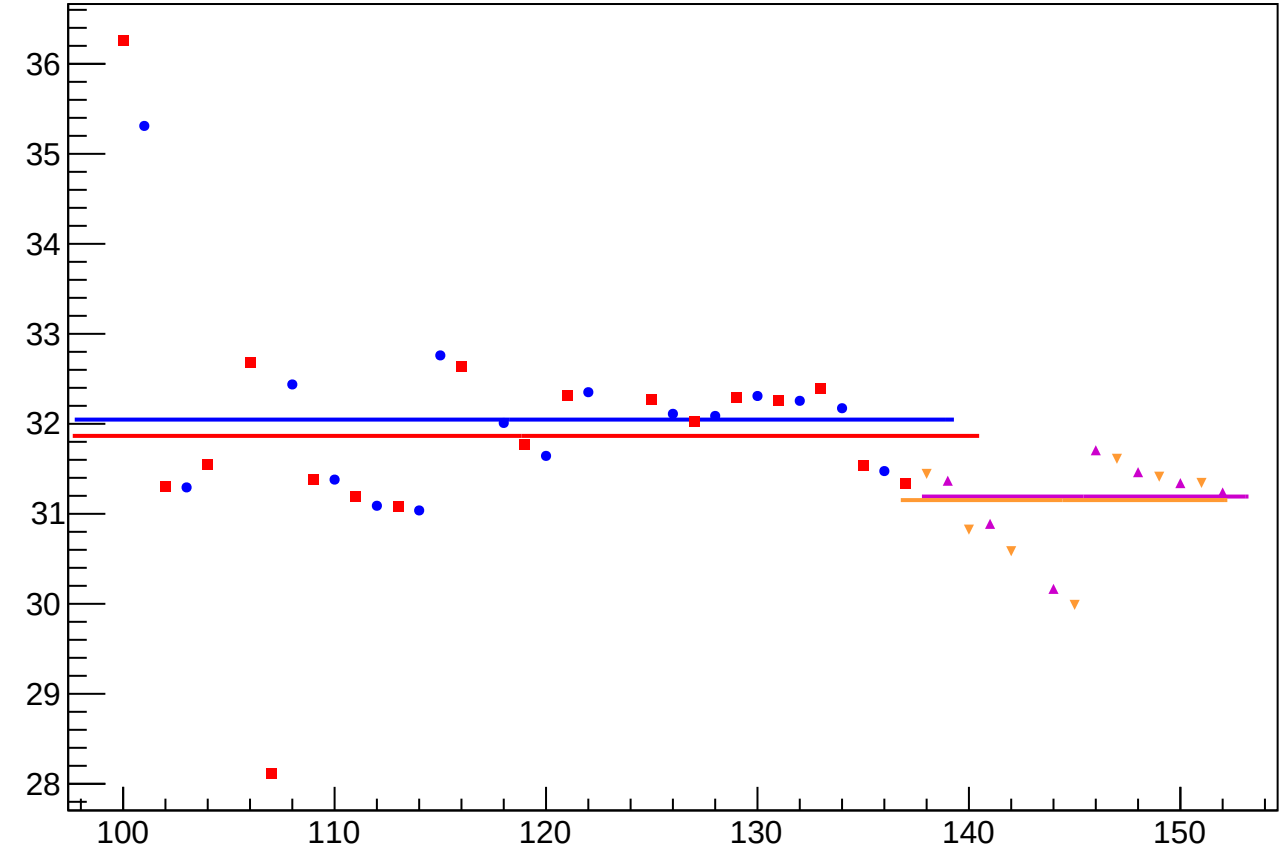
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:4517642.6/22

Out: 0.000+/-0.000 χ^2/NDF:3026432.8/24

All: 0.000+/-0.000 χ^2/NDF: 7545293.0/47

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: 31.192+/-0.000 χ^2/NDF:171589869.4/6

Left: 31.174+/-0.000 χ^2/NDF: 355827422.1/13

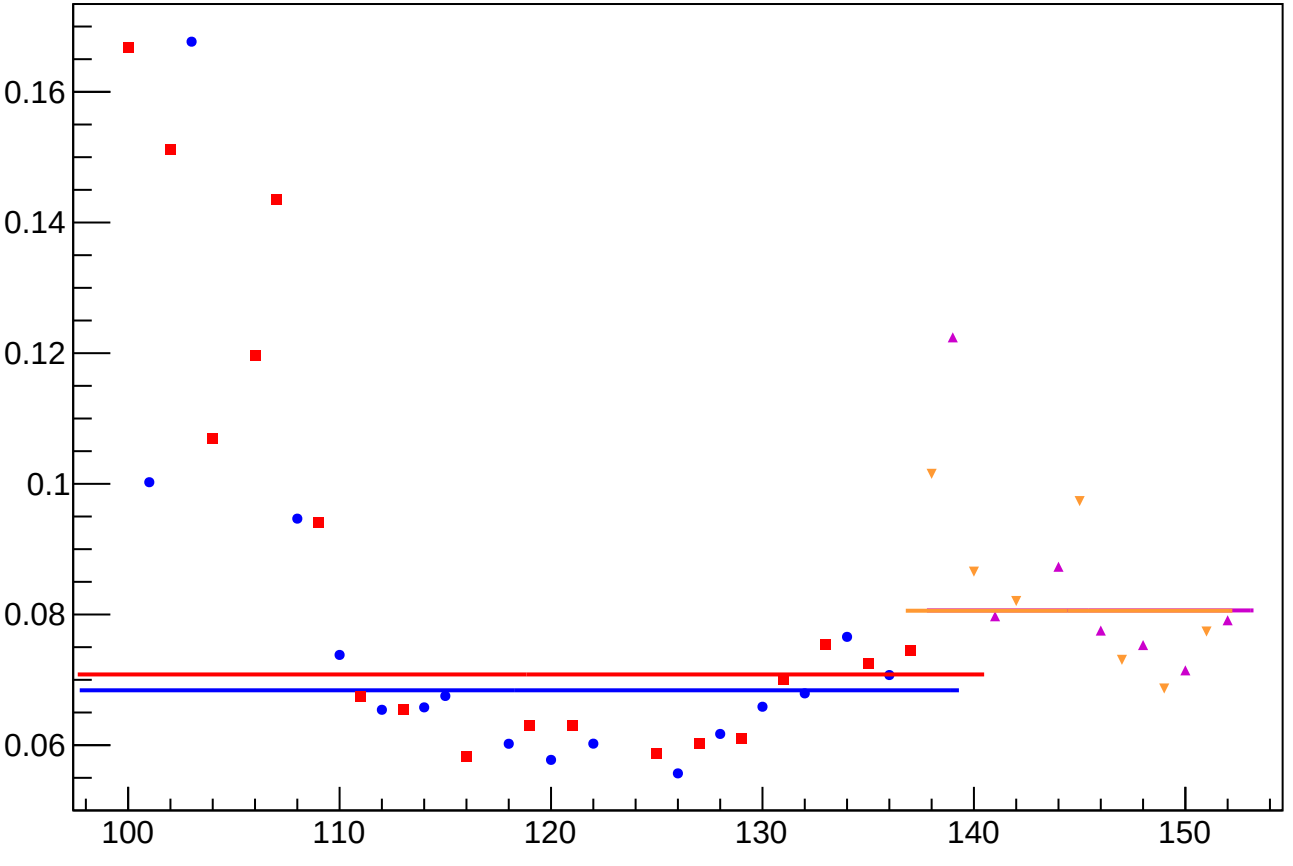
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.720+/-0.000 χ^2/NDF:1444505857.8/22

Out: 31.602+/-0.000 χ^2/NDF:903423429.8/24

All: 31.664+/-0.000 χ^2/NDF: 2362280644.0/4

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:231013.9/6

Left: 0.081+/-0.000 χ^2/NDF: 407736.5/13

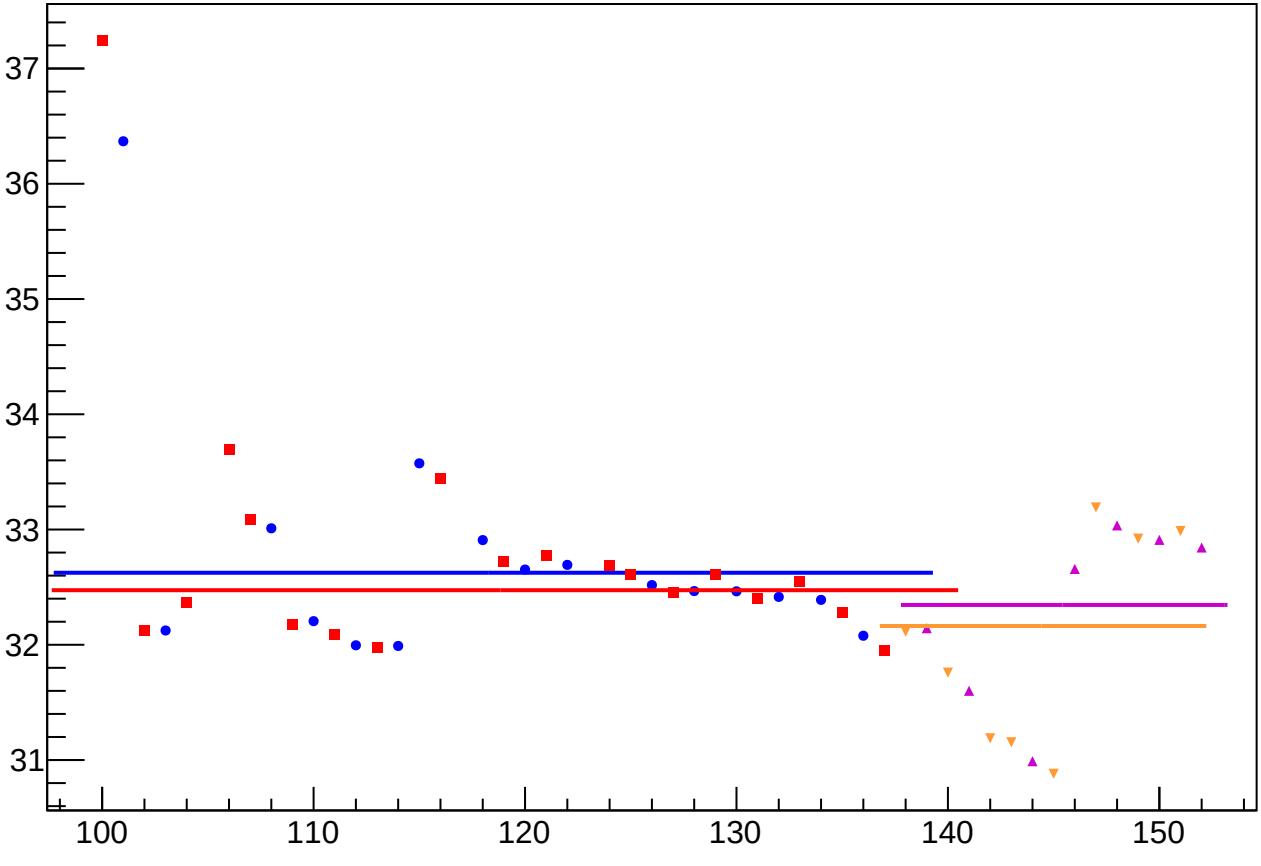
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.073+/-0.000 χ^2/NDF:1087276.1/22

Out: 0.074+/-0.000 χ^2/NDF:1132389.2/24

All: 0.074+/-0.000 χ^2/NDF: 2223468.0/47

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: 32.345+/-0.000 χ^2/NDF:508191885.9/6

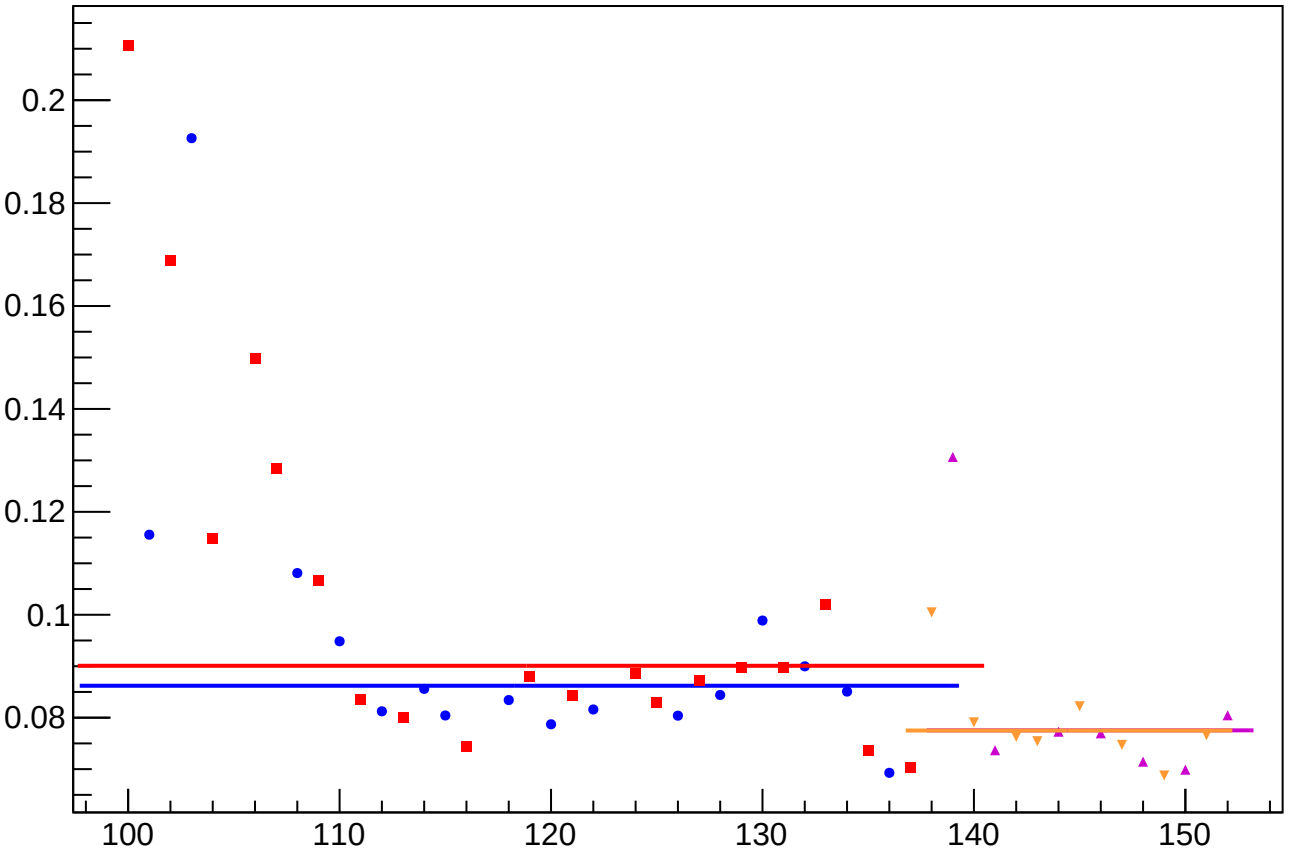
Left: 32.254+/-0.000 χ^2/NDF: 1238676198.7/14

Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.480+/-0.000 χ^2/NDF:1281681785.0/22

Out: 32.307+/-0.000 χ^2/NDF:913072797.9/26

All: 32.395+/-0.000 χ^2/NDF: 2220578007.1/4



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: 0.078+/-0.000 χ^2/NDF:307926.3/6

Left: 0.078+/-0.000 χ^2/NDF: 417032.8/14

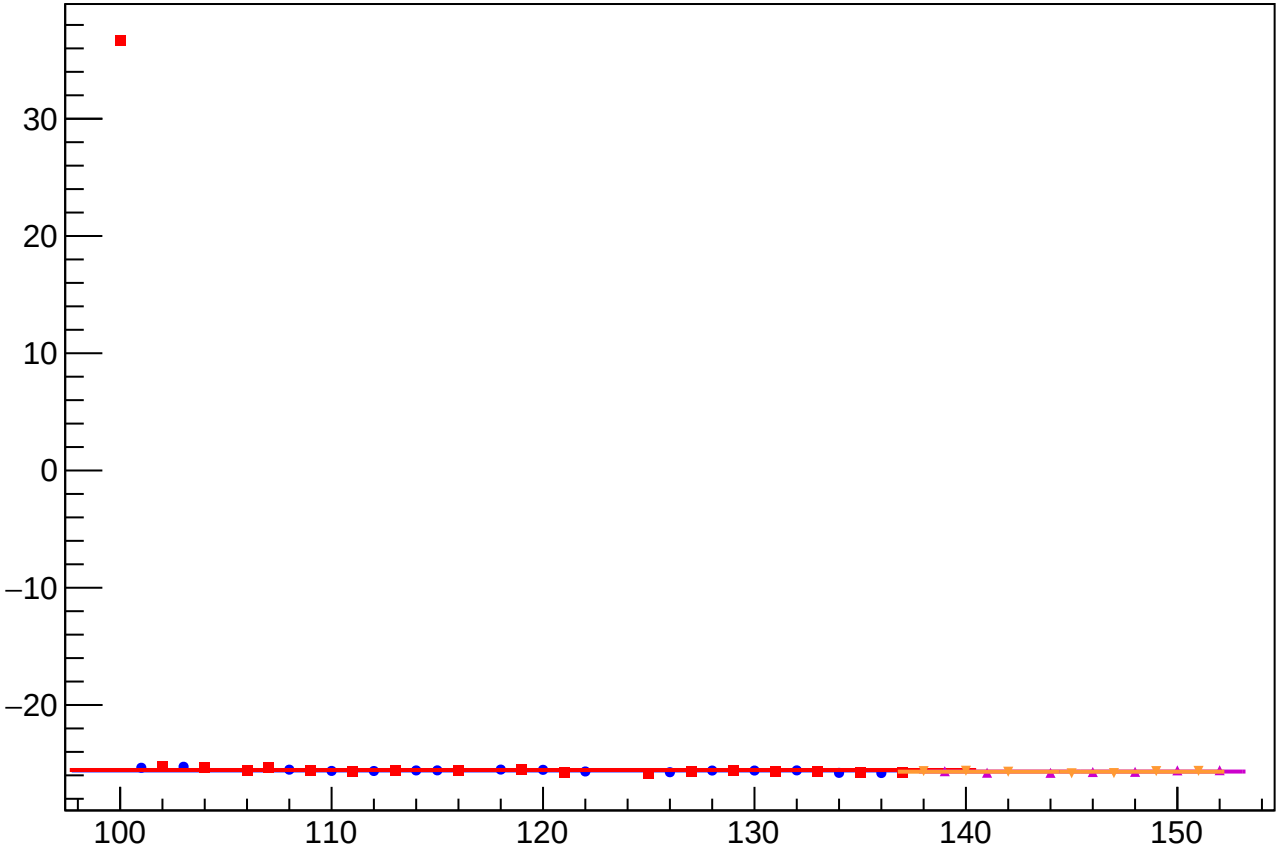
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.082+/-0.000 χ^2/NDF:972697.6/22

Out: 0.083+/-0.000 χ^2/NDF:865618.5/26

All: 0.083+/-0.000 χ^2/NDF: 1843028.5/49

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: -25.677+/-0.000 χ^2/NDF:23781266.9/6

Left: -25.682+/-0.000 χ^2/NDF: 44309657.9/13

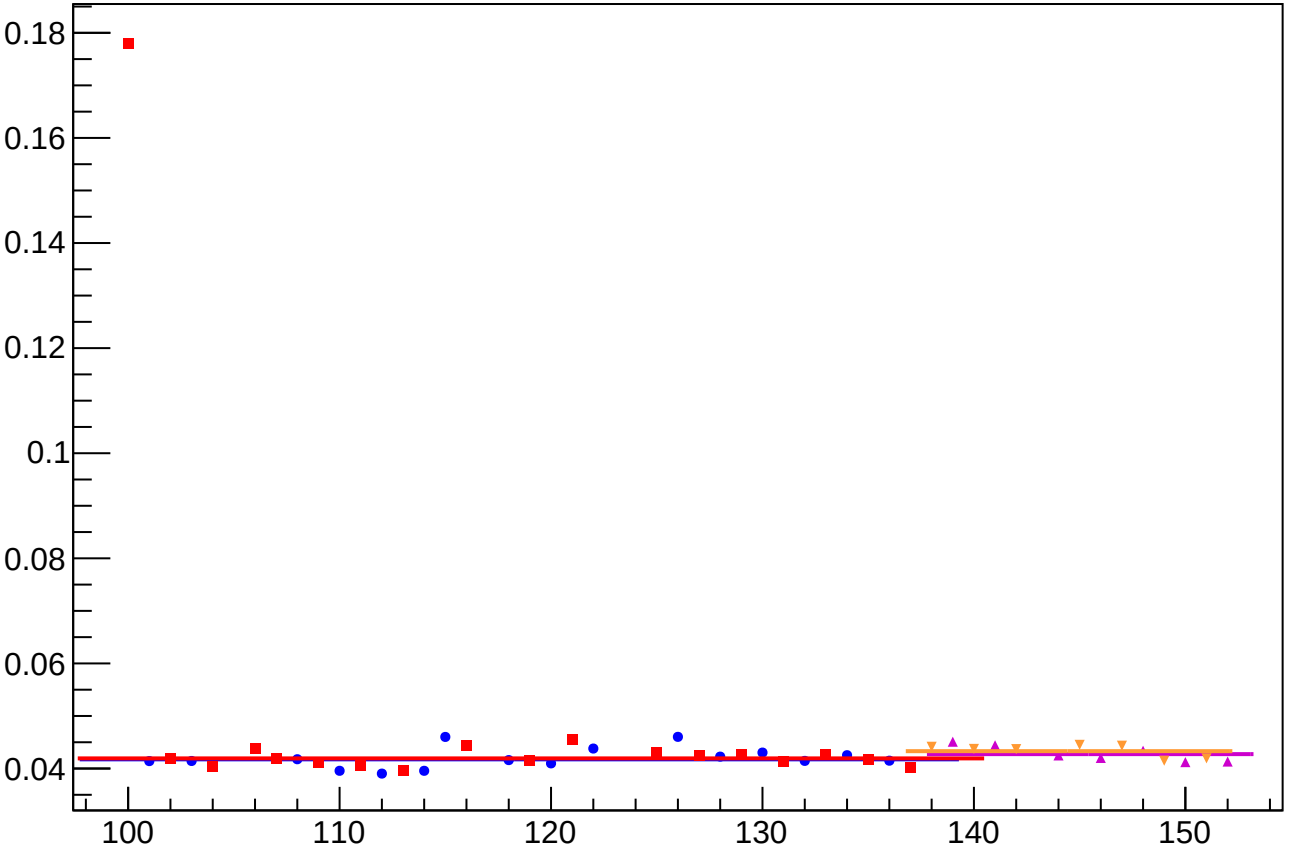
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.623+/-0.000 χ^2/NDF:139807514.6/22

Out: -25.603+/-0.000 χ^2/NDF:8962888540.7/24

All: -25.613+/-0.000 χ^2/NDF: 9104148449.8/

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.043+/-0.000 χ^2/NDF:7789.8/6

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.043+/-0.000 χ^2/NDF:12427.2/6

Left: 0.043+/-0.000 χ^2/NDF: 21186.4/13

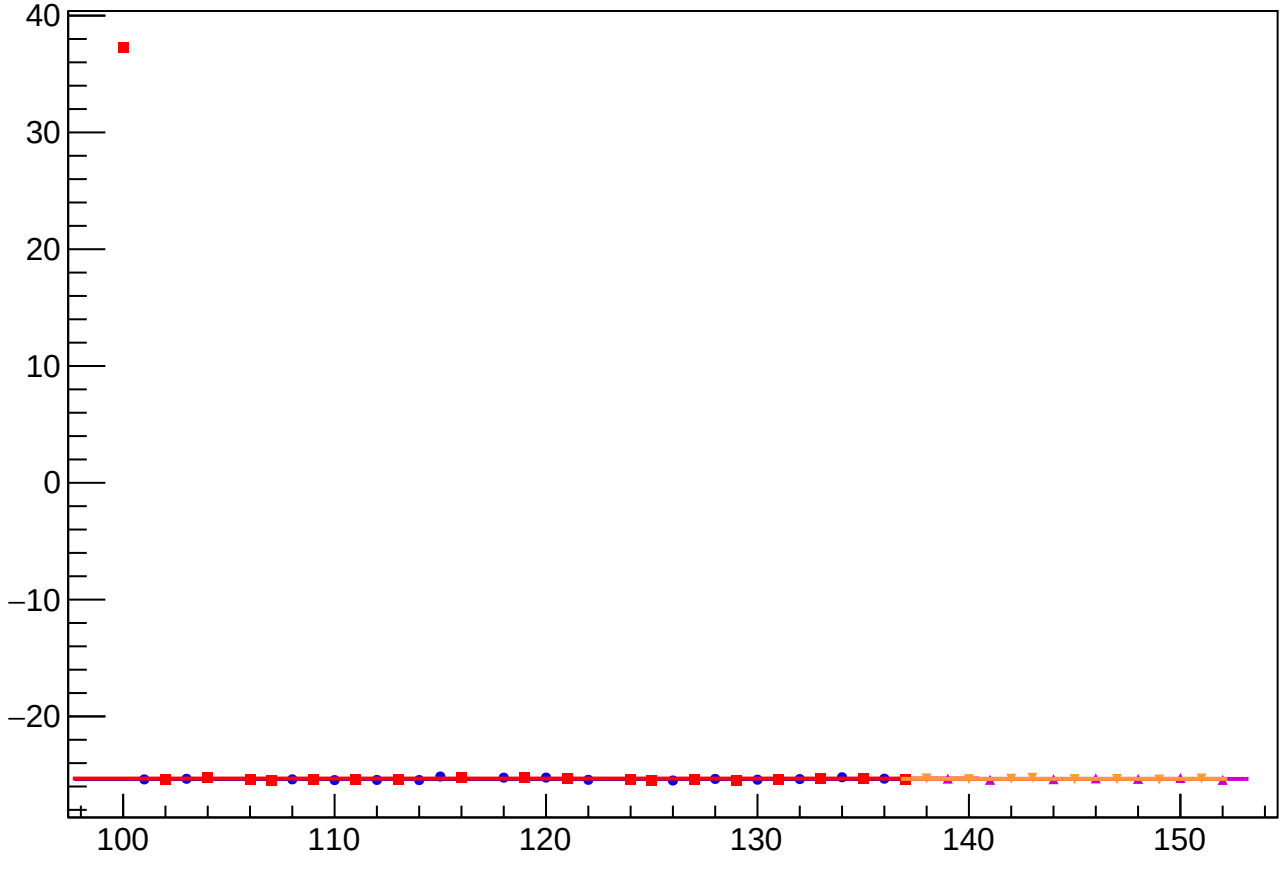
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:36780.8/22

Out: 0.042+/-0.000 χ^2/NDF:114291.0/24

All: 0.042+/-0.000 χ^2/NDF: 151708.6/47

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: -25.352+/-0.000 χ^2/NDF:5869514.3/6

Left: -25.349+/-0.000 χ^2/NDF: 9641958.4/14

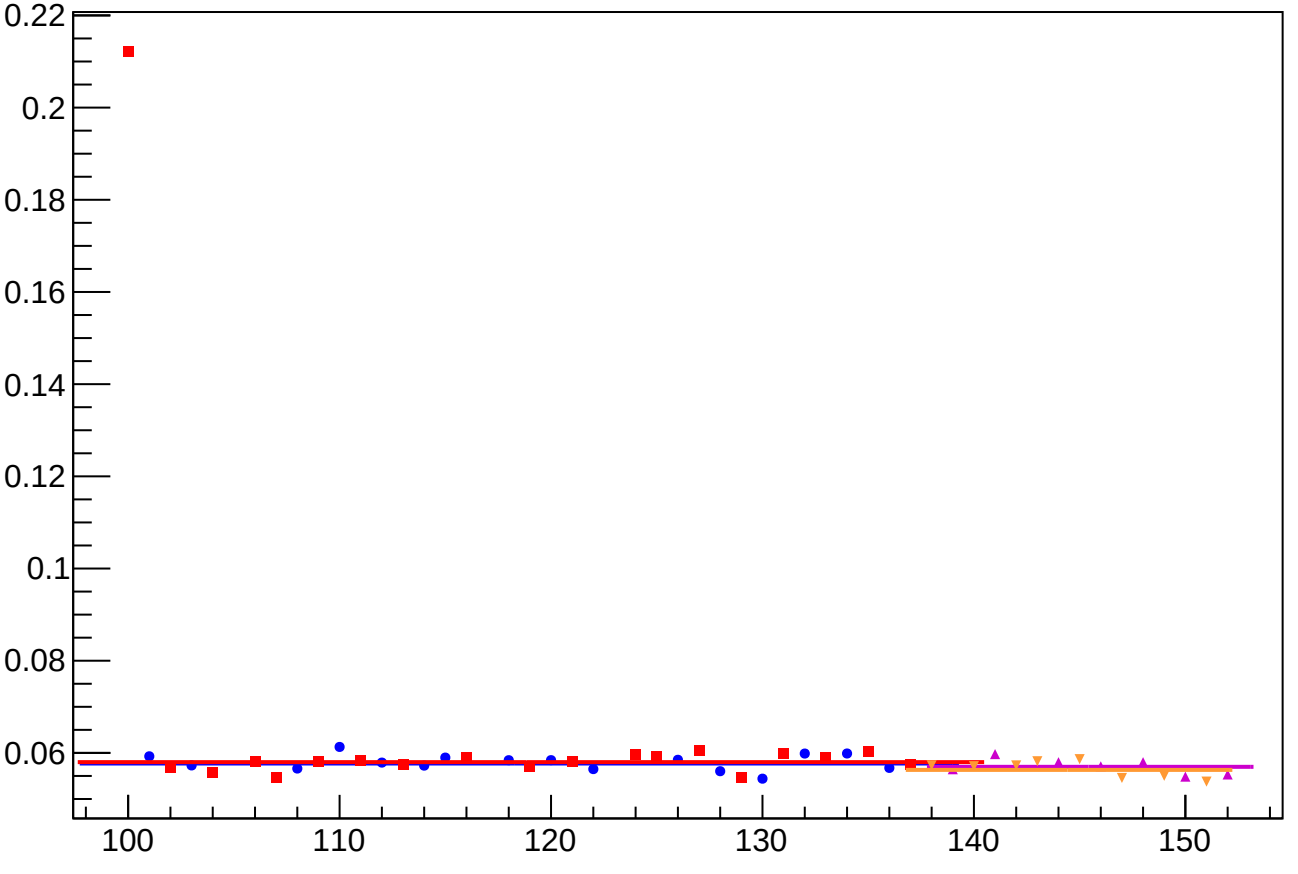
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.357+/-0.000 χ^2/NDF:19213455.2/22

Out: -25.333+/-0.000 χ^2/NDF:6319153743.6/26

All: -25.345+/-0.000 χ^2/NDF: 6339498011.8/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.056+/-0.000 χ^2/NDF:11261.6/7

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.057+/-0.000 χ^2/NDF:8904.3/6

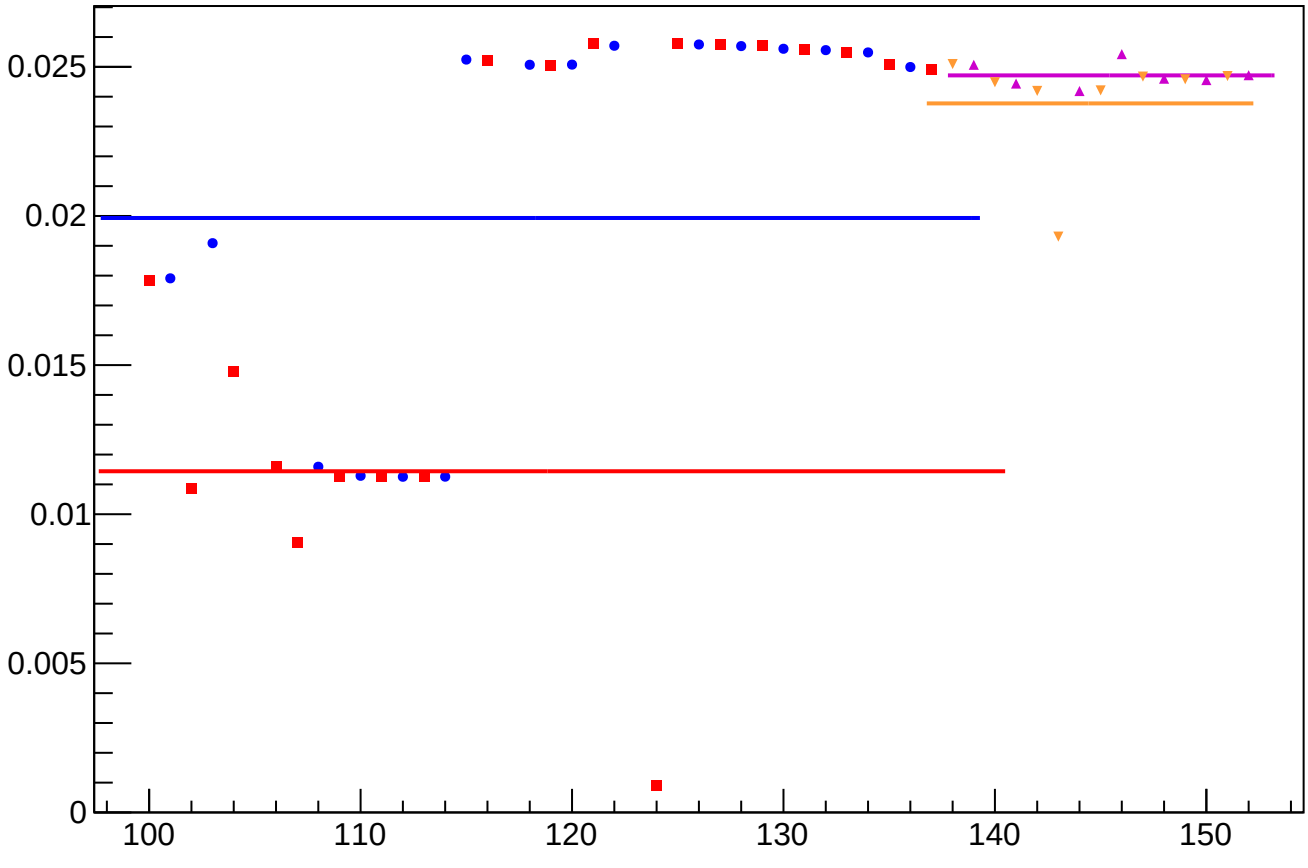
Left: 0.057+/-0.000 χ^2/NDF: 20990.1/14

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.057+/-0.000 χ^2/NDF:21681.8/22

Out: 0.057+/-0.000 χ^2/NDF:105636.6/26

All: 0.057+/-0.000 χ^2/NDF: 127413.9/49



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:152267212.8/6

Left: 0.024+/-0.000 χ^2/NDF: 4950223335.7/14

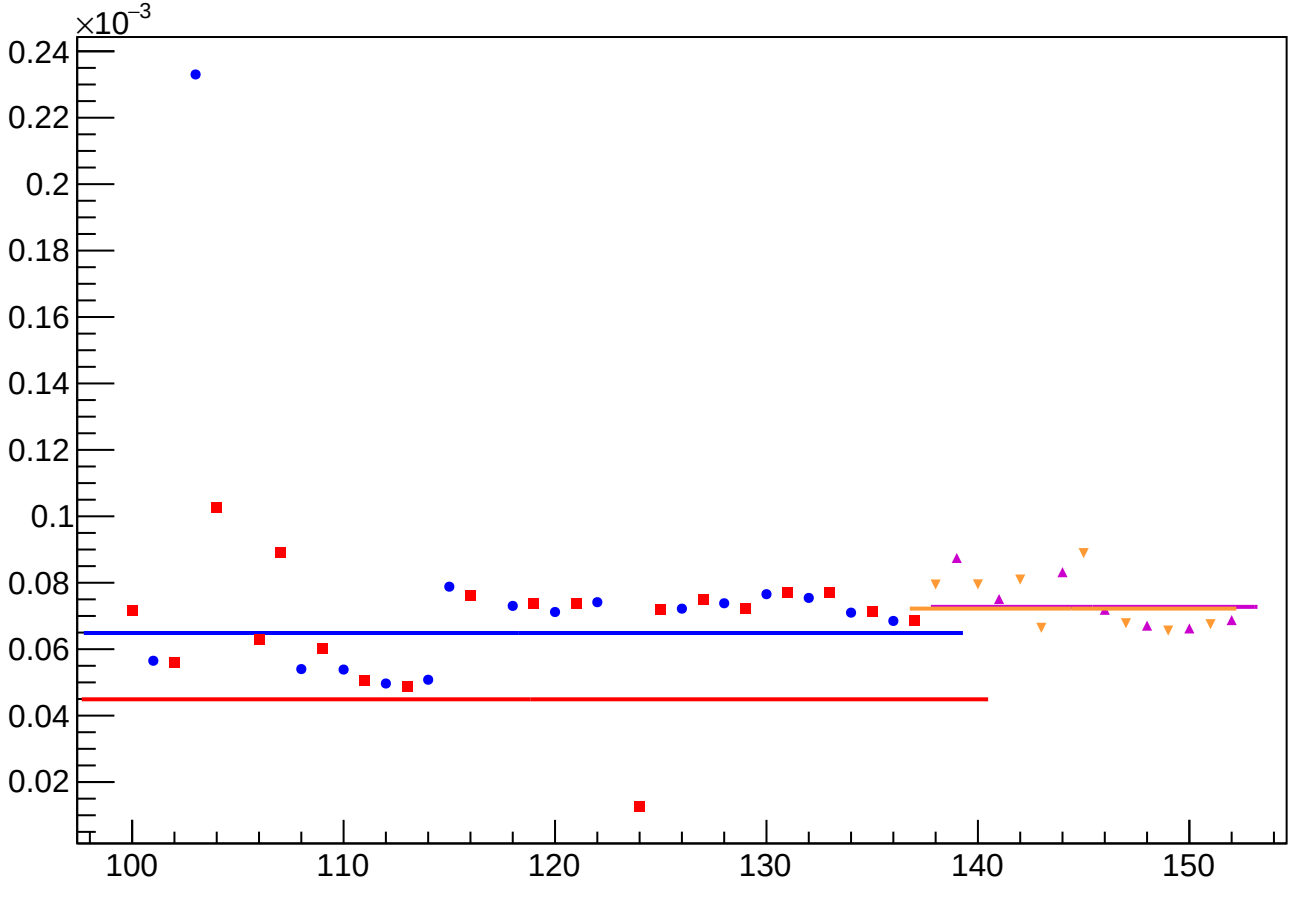
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.022+/-0.000 χ^2/NDF:77487885004.9/22

Out: 0.015+/-0.000 χ^2/NDF:377518881570.7/26

All: 0.018+/-0.000 χ^2/NDF: 523390702612.3

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:134337.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:109448.5/6

Left: 0.000+/-0.000 χ^2/NDF: 244090.1/14

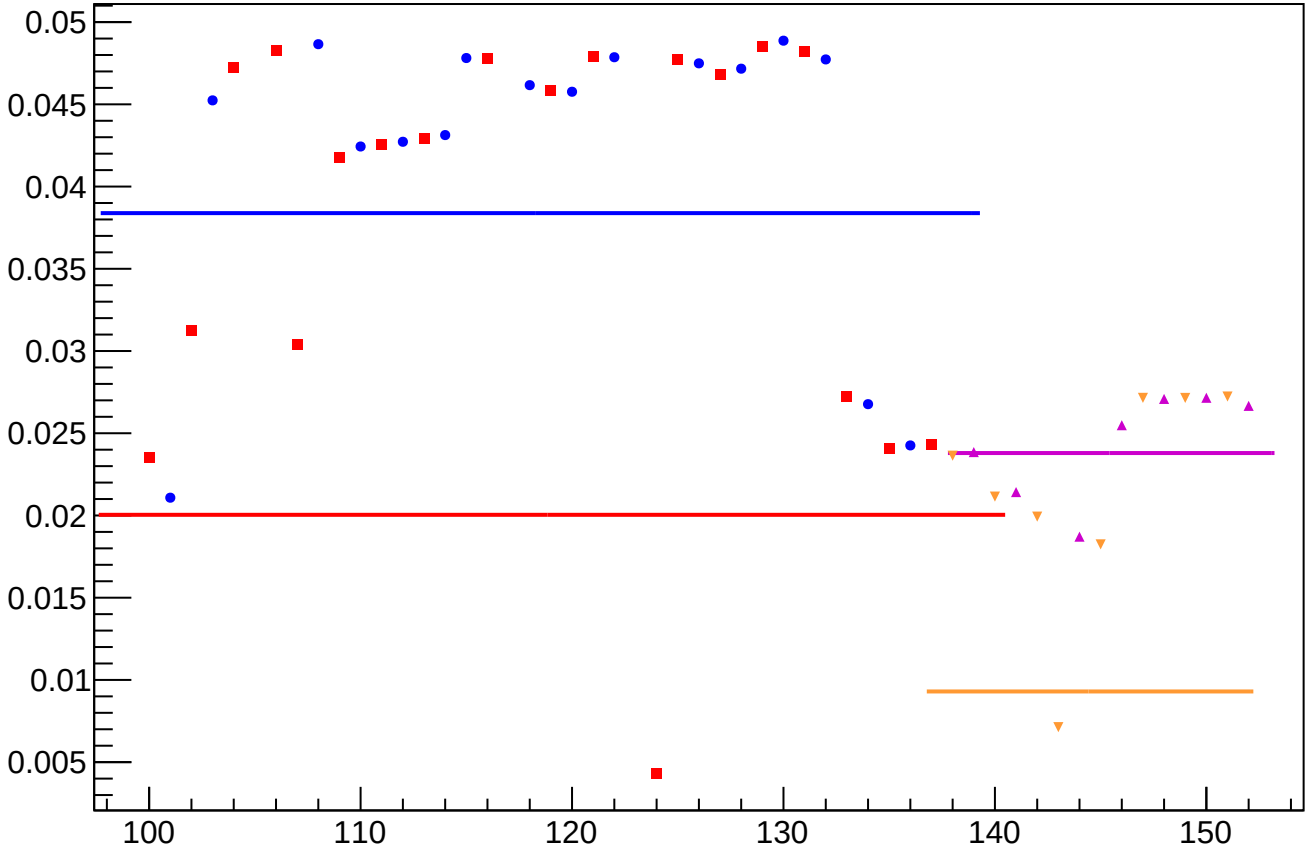
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1006854.8/22

Out: 0.000+/-0.000 χ^2/NDF:5075286.8/26

All: 0.000+/-0.000 χ^2/NDF: 6754942.8/49

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: 0.024+/-0.000 χ^2/NDF:813953683.5/6

Left: 0.011+/-0.000 χ^2/NDF: 30157329198.9/14

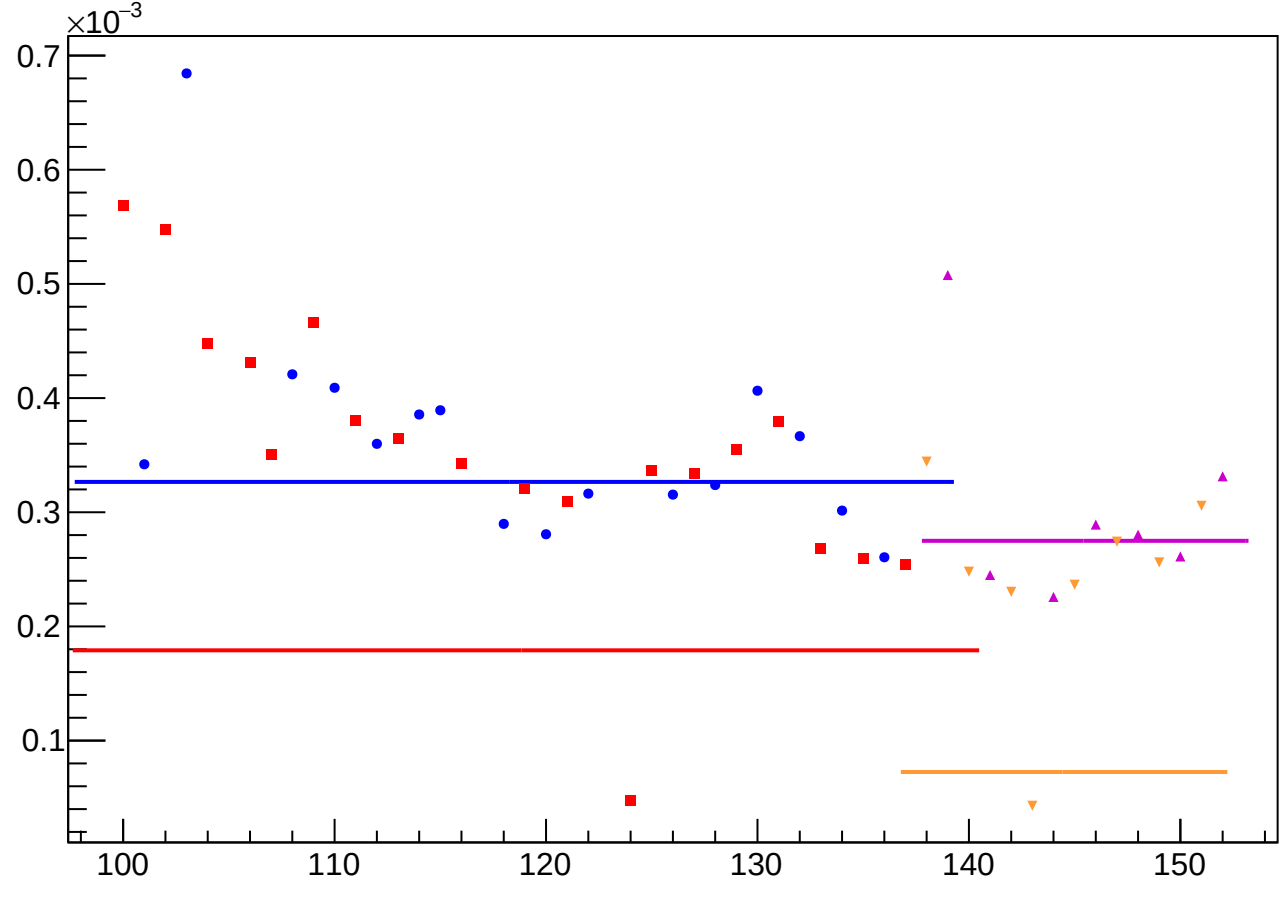
Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.030+/-0.000 χ^2/NDF:14750812534.4/22

Out: 0.011+/-0.000 χ^2/NDF:69830195191.6/26

All: 0.015+/-0.000 χ^2/NDF: 123590330947.1

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5868258.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:491863.0/6

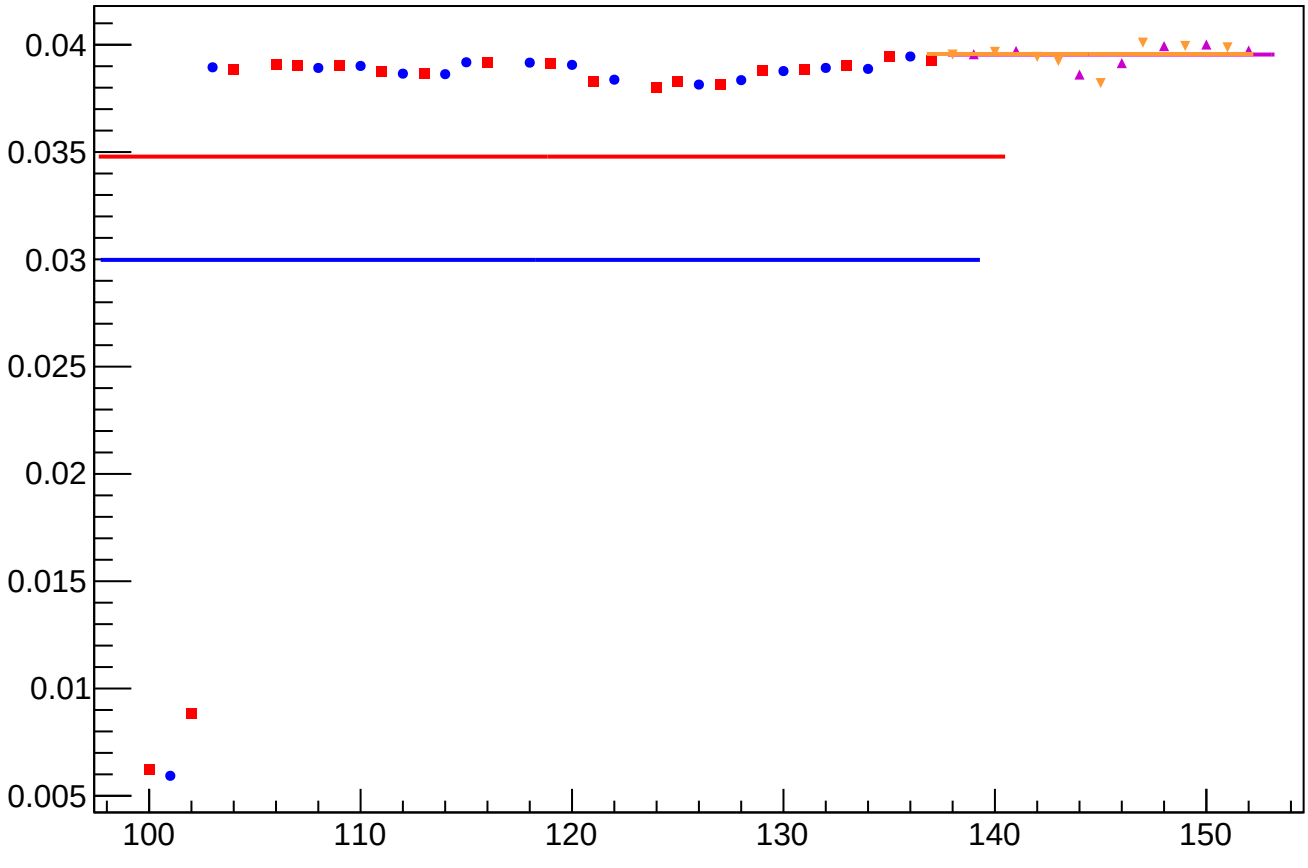
Left: 0.000+/-0.000 χ^2/NDF: 11442991.6/14

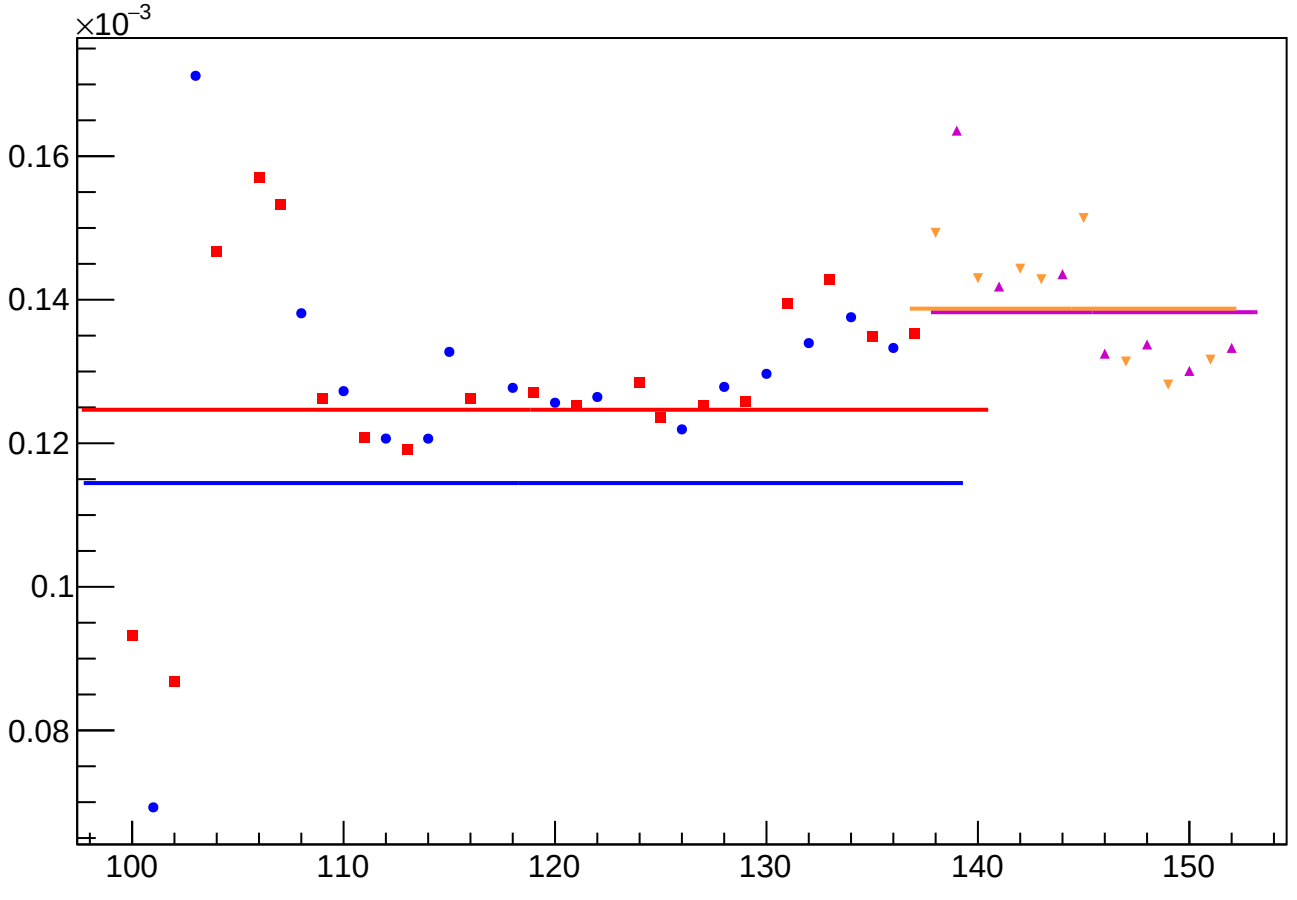
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1244942.5/22

Out: 0.000+/-0.000 χ^2/NDF:13759394.4/26

All: 0.000+/-0.000 χ^2/NDF: 24058033.3/49


yield_atr1_mean vs Slug, Sign Corrected
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
Right In: 0.030+/-0.000 χ²/NDF: 108275706275.7/15
Left Out: 0.040+/-0.000 χ²/NDF:92071895.4/7
Right Out: 0.035+/-0.000 χ²/NDF: 47263545471.6/18
Left In: 0.040+/-0.000 χ²/NDF:65678824.4/6
Left: 0.040+/-0.000 χ²/NDF: 157857845.5/14
Right: 0.032+/-0.000 χ²/NDF: 161037517780.6/34
In: 0.034+/-0.000 χ²/NDF:125926735894.3/22
Out: 0.037+/-0.000 χ²/NDF:51530527237.2/26
All: 0.035+/-0.000 χ²/NDF: 181342486098.1



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:43447.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:57374.0/6

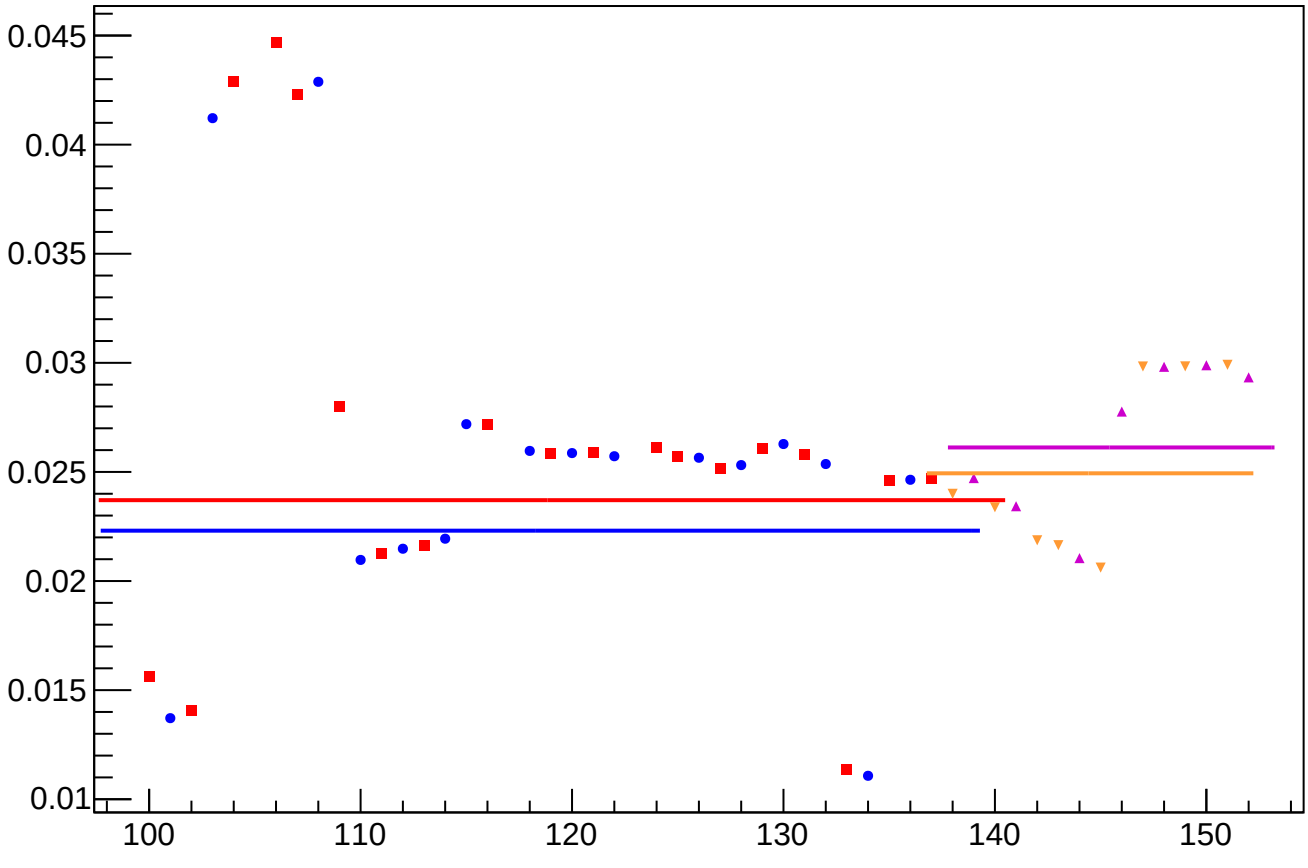
Left: 0.000+/-0.000 χ^2/NDF: 100897.8/14

Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

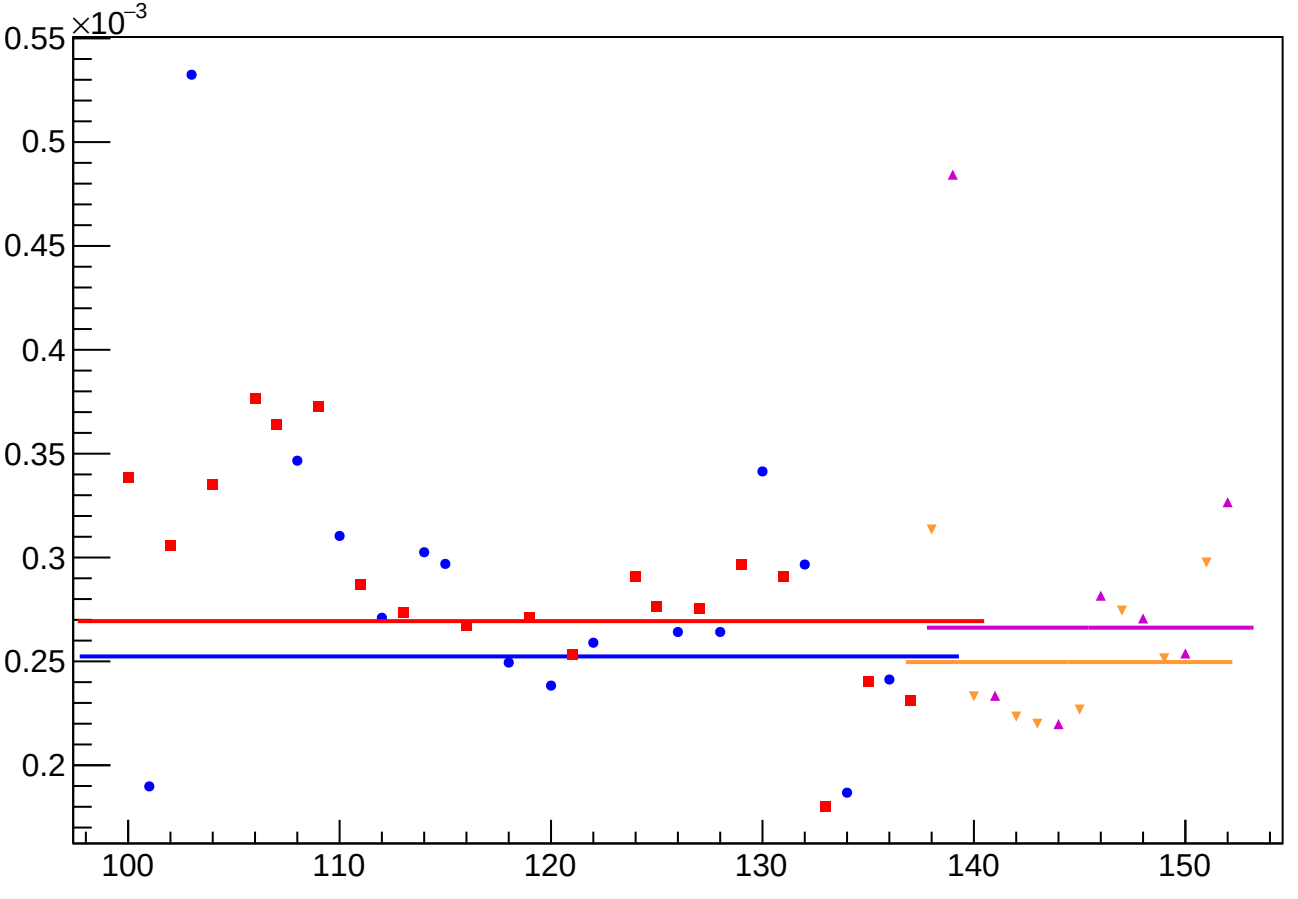
In: 0.000+/-0.000 χ^2/NDF:1128187.1/22

Out: 0.000+/-0.000 χ^2/NDF:376297.0/26

All: 0.000+/-0.000 χ^2/NDF: 1542558.4/49


yield_atr2_mean vs Slug, Sign Corrected
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
100
110
120
130
140
150
Right In: 0.022+/-0.000 χ²/NDF: 5012486114.6/15
Left Out: 0.025+/-0.000 χ²/NDF:1280581923.5/7
Right Out: 0.024+/-0.000 χ²/NDF: 5581865088.7/18
Left In: 0.026+/-0.000 χ²/NDF:982101476.7/6
Left: 0.025+/-0.000 χ²/NDF: 2319521915.0/14
Right: 0.023+/-0.000 χ²/NDF: 10685664717.3/34
In: 0.024+/-0.000 χ²/NDF:6618510582.9/22
Out: 0.024+/-0.000 χ²/NDF:6928925435.7/26
All: 0.024+/-0.000 χ²/NDF: 13557353450.1/4

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:497715.5/6

Left: 0.000+/-0.000 χ^2/NDF: 686607.4/14

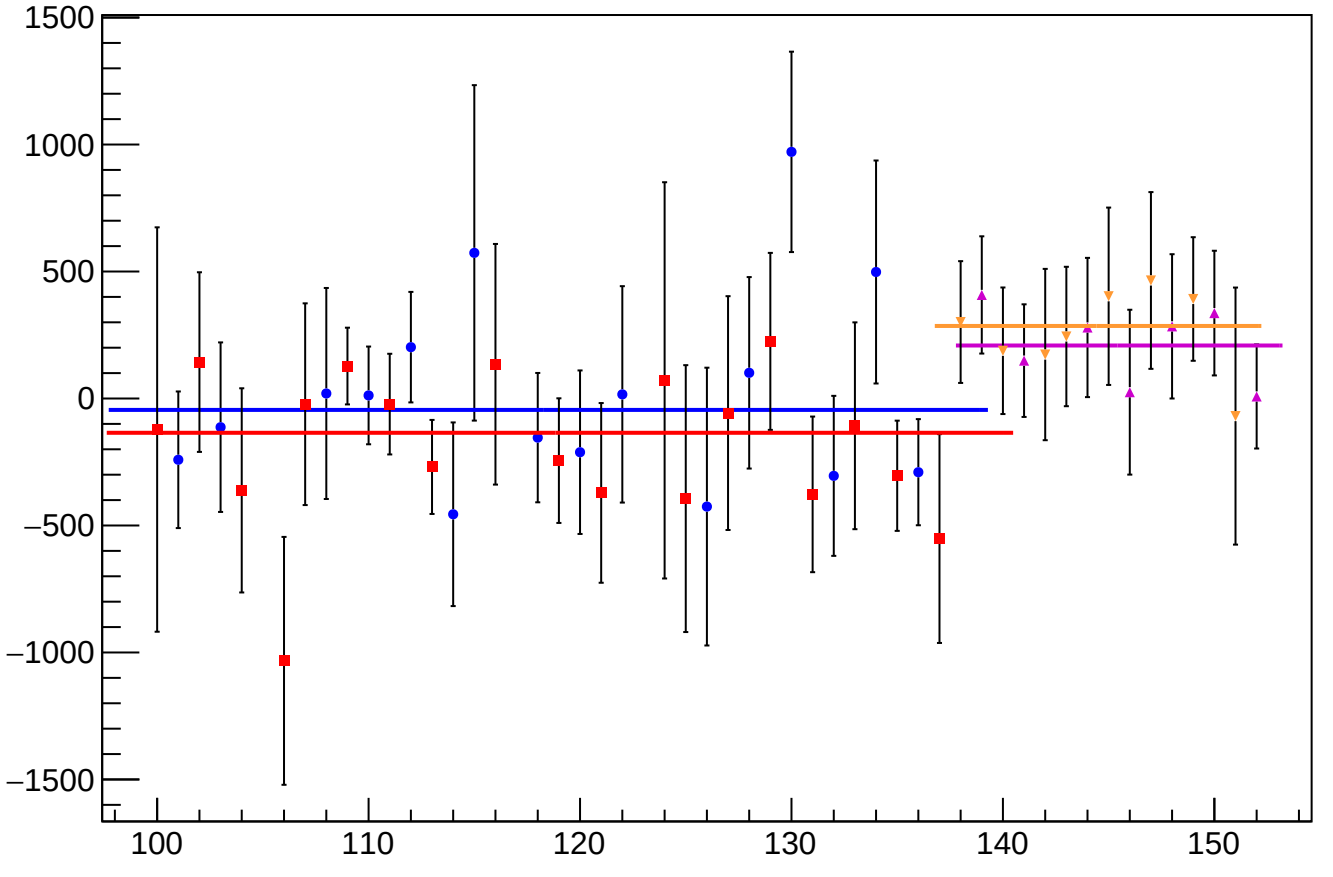
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1222021.0/22

Out: 0.000+/-0.000 χ^2/NDF:647112.6/26

All: 0.000+/-0.000 χ^2/NDF: 1869404.0/49

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: 208.694+/-93.368 χ^2/NDF:2.5/6

Left: 243.112+/-69.415 χ^2/NDF: 4.2/14

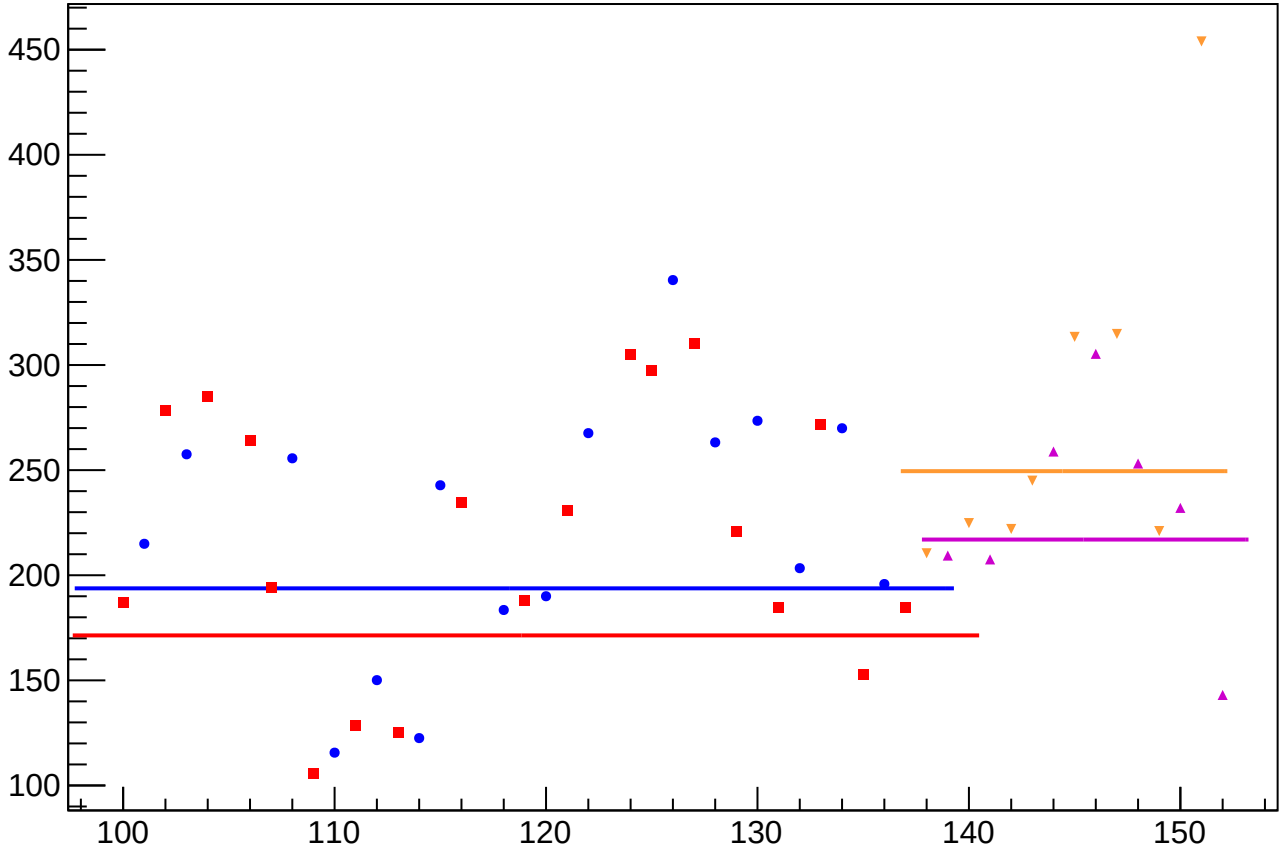
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 56.469+/-59.034 χ^2/NDF:22.4/22

Out: -8.506+/-56.916 χ^2/NDF:25.8/26

All: 22.795+/-40.974 χ^2/NDF: 48.8/49

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 249.514+/-0.073 χ^2/NDF:577628.3/7

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 216.978+/-0.066 χ^2/NDF:500730.3/6

Left: 231.531+/-0.049 χ^2/NDF: 1186983.6/14

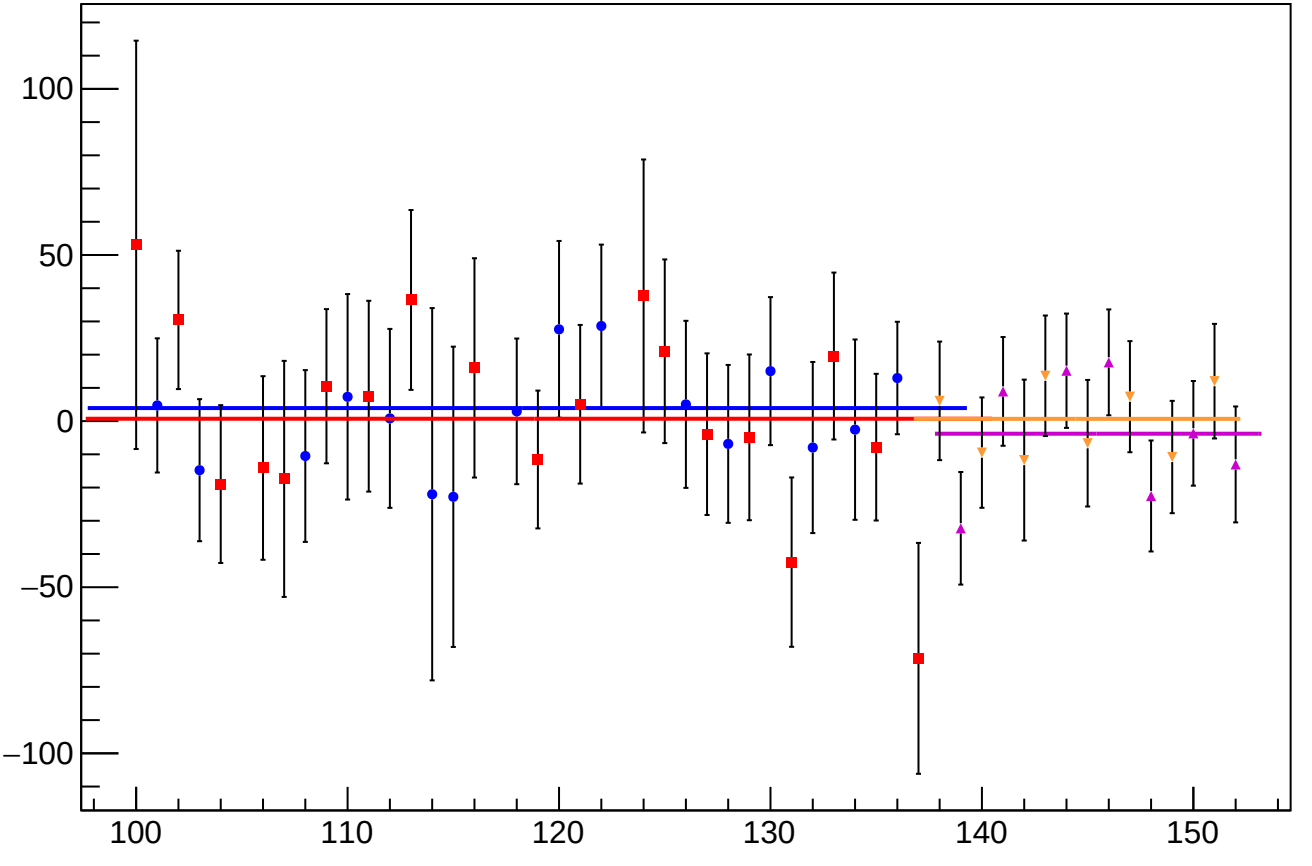
Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 203.047+/-0.042 χ^2/NDF:1623011.1/22

Out: 194.877+/-0.040 χ^2/NDF:3028260.3/26

All: 198.813+/-0.029 χ^2/NDF: 4671121.9/49

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: -3.796+/-6.270 χ^2/NDF:8.0/6

Left: -1.590+/-4.466 χ^2/NDF: 10.7/14

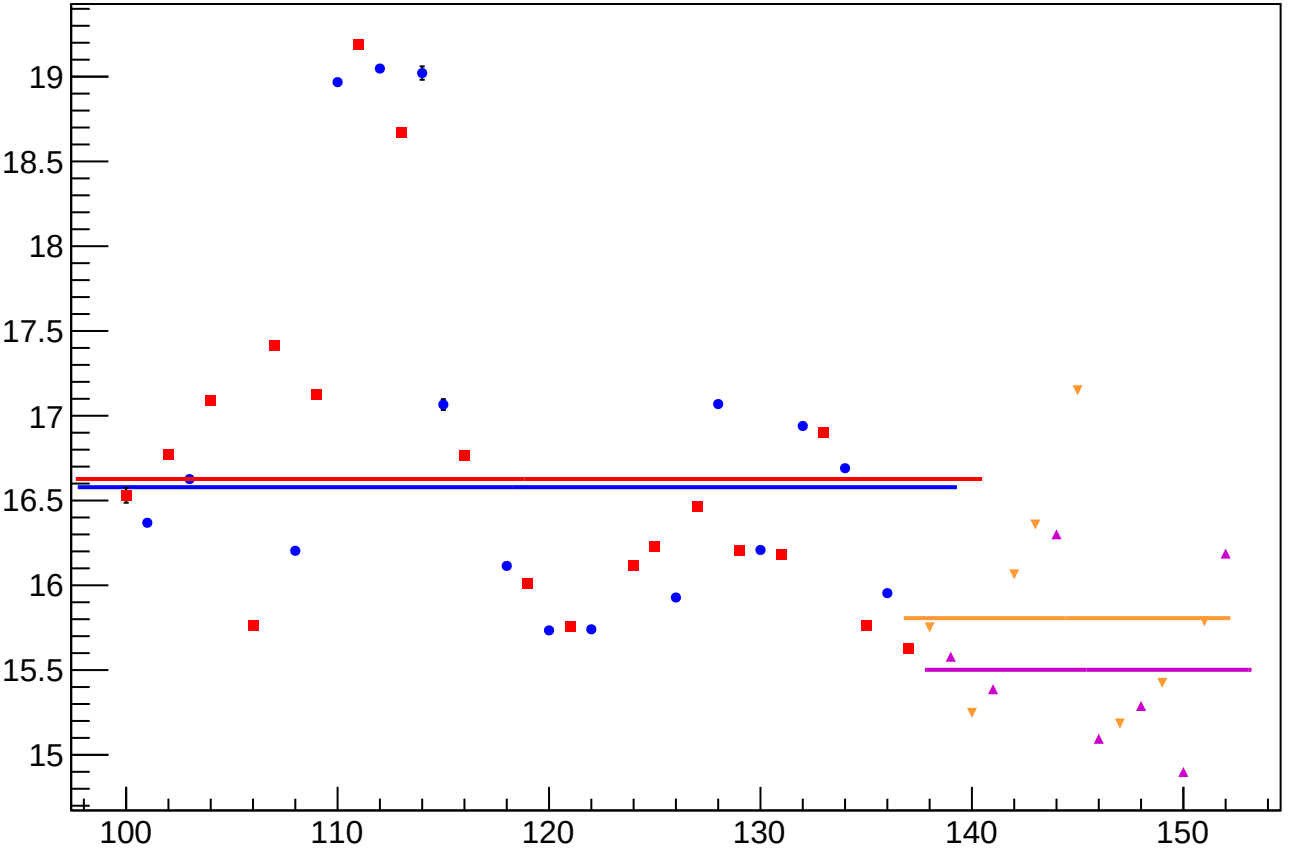
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 0.125+/-4.399 χ^2/NDF:13.3/22

Out: 0.698+/-4.394 χ^2/NDF:18.3/26

All: 0.412+/-3.109 χ^2/NDF: 31.6/49

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: 15.502+/-0.004 χ^2/NDF:12093.8/6

Left: 15.652+/-0.003 χ^2/NDF: 32526.5/14

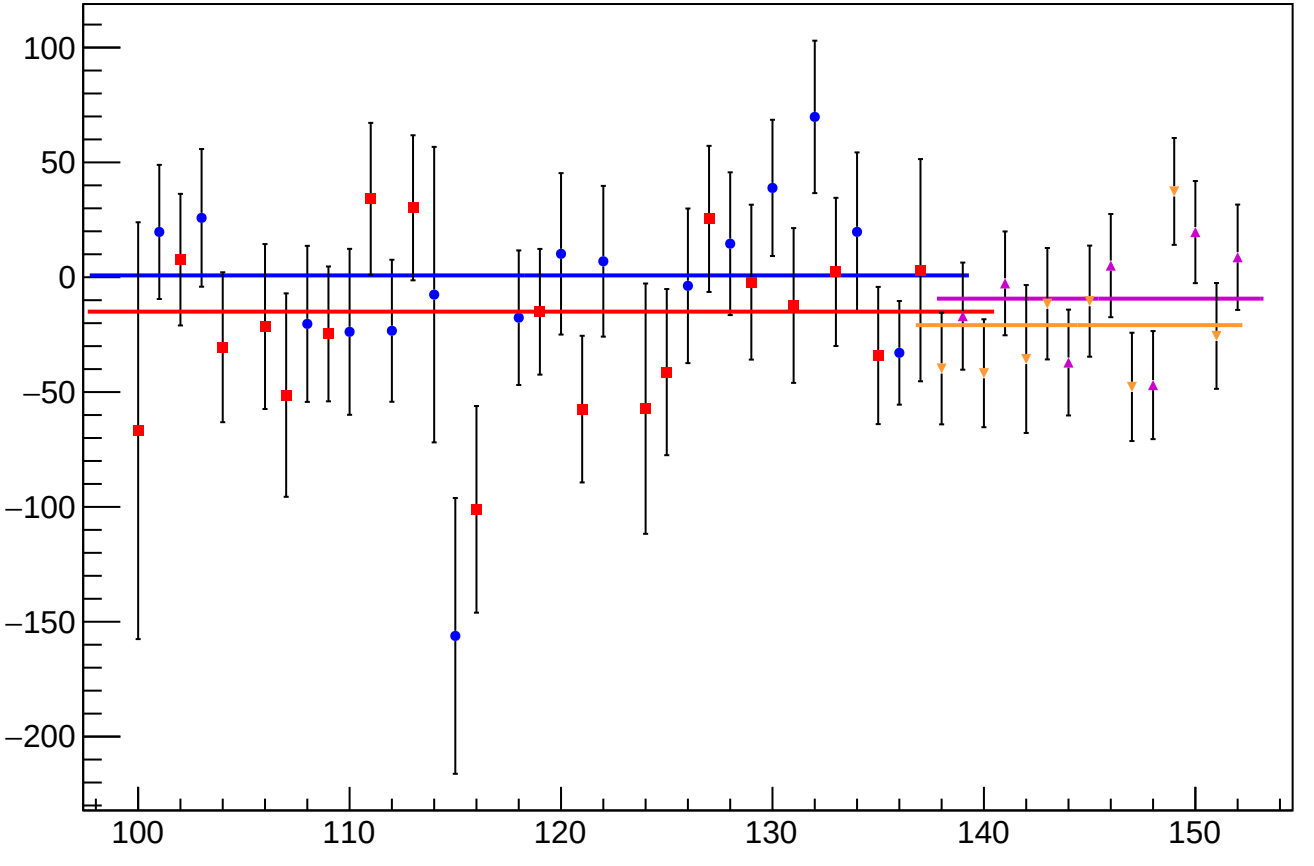
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 16.049+/-0.003 χ^2/NDF:86634.6/22

Out: 16.235+/-0.003 χ^2/NDF:78960.0/26

All: 16.142+/-0.002 χ^2/NDF: 167399.7/49

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: -9.328+/-8.641 χ^2/NDF:6.9/6

Left: -15.096+/-6.109 χ^2/NDF: 17.4/14

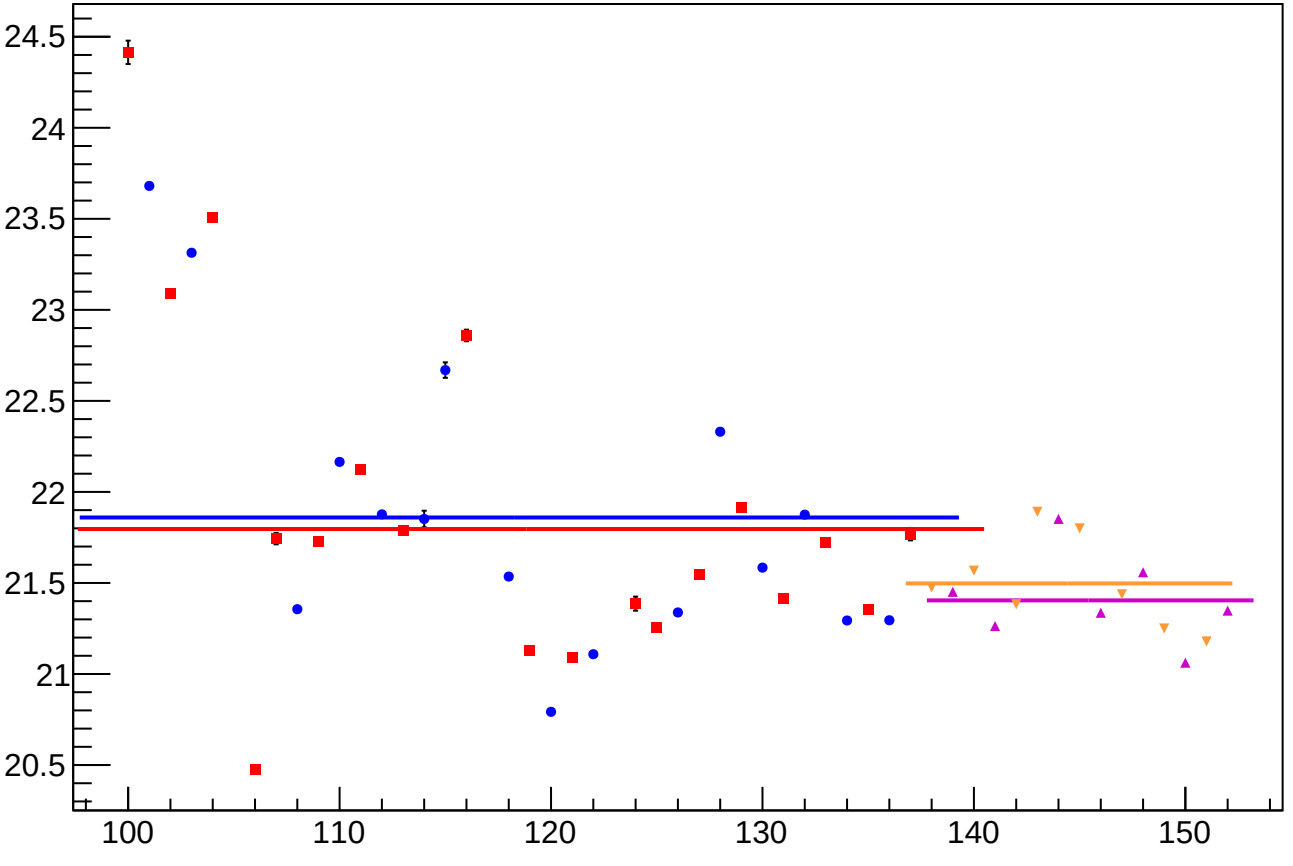
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -3.958+/-5.919 χ^2/NDF:26.3/22

Out: -17.677+/-5.850 χ^2/NDF:25.2/26

All: -10.898+/-4.161 χ^2/NDF: 54.2/49

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: 21.404+/-0.006 χ^2/NDF:1431.2/6

Left: 21.451+/-0.004 χ^2/NDF: 3052.1/14

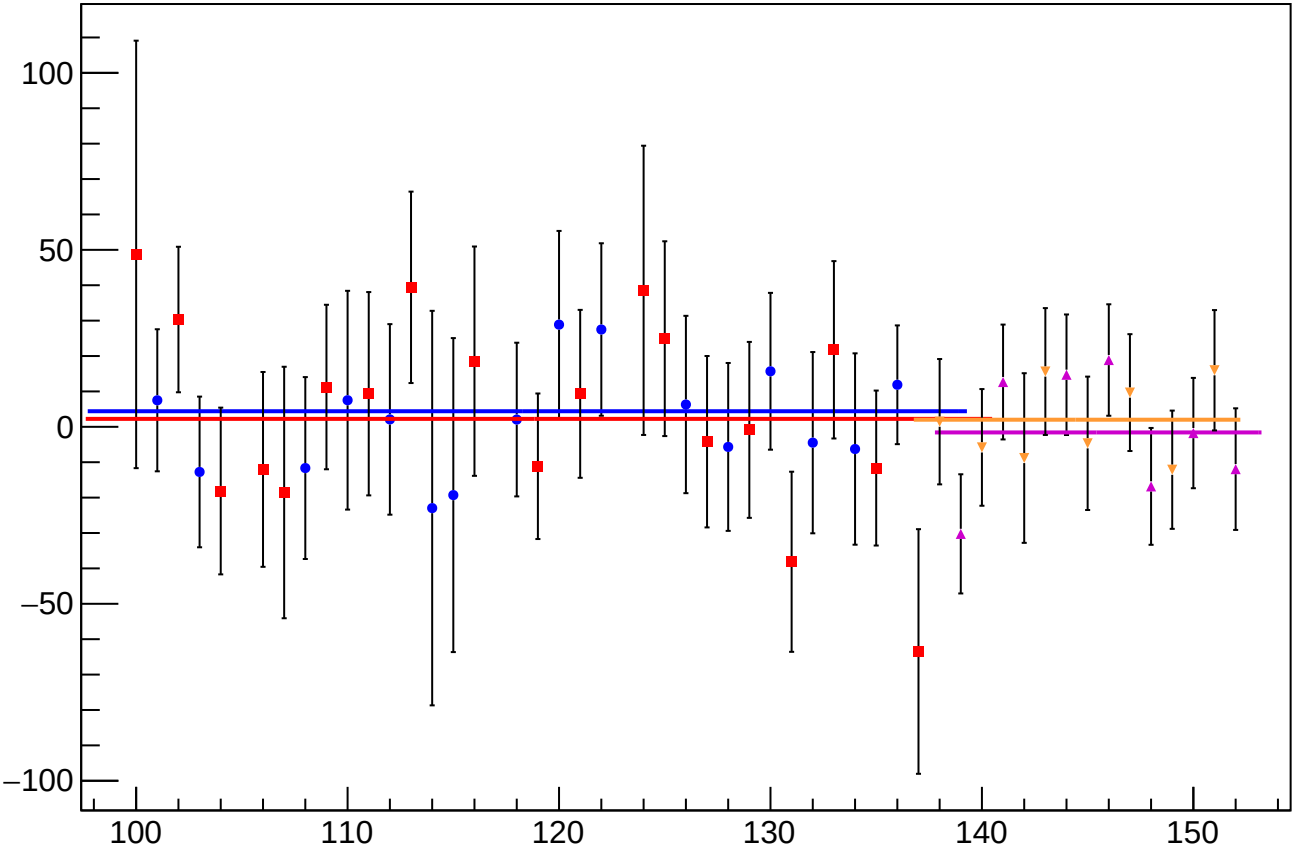
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.646+/-0.004 χ^2/NDF:23845.2/22

Out: 21.659+/-0.004 χ^2/NDF:21662.3/26

All: 21.653+/-0.003 χ^2/NDF: 45512.4/49

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: -1.587+/-6.203 χ^2/NDF:7.5/6

Left: 0.185+/-4.418 χ^2/NDF: 10.4/14

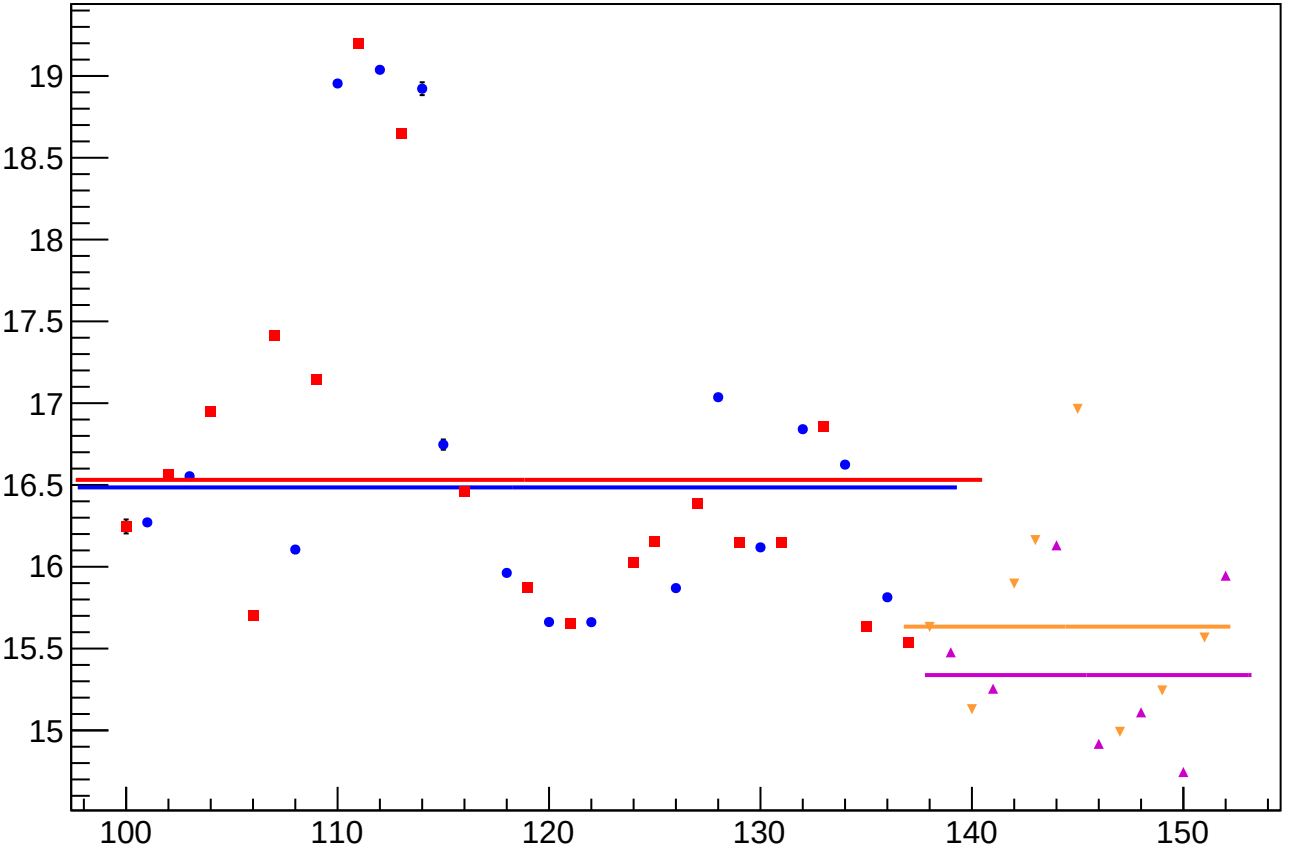
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 1.441+/-4.363 χ^2/NDF:12.3/22

Out: 2.130+/-4.358 χ^2/NDF:18.1/26

All: 1.786+/-3.083 χ^2/NDF: 30.4/49

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: 15.338+/-0.004 χ^2/NDF:11726.4/6

Left: 15.484+/-0.003 χ^2/NDF: 31964.2/14

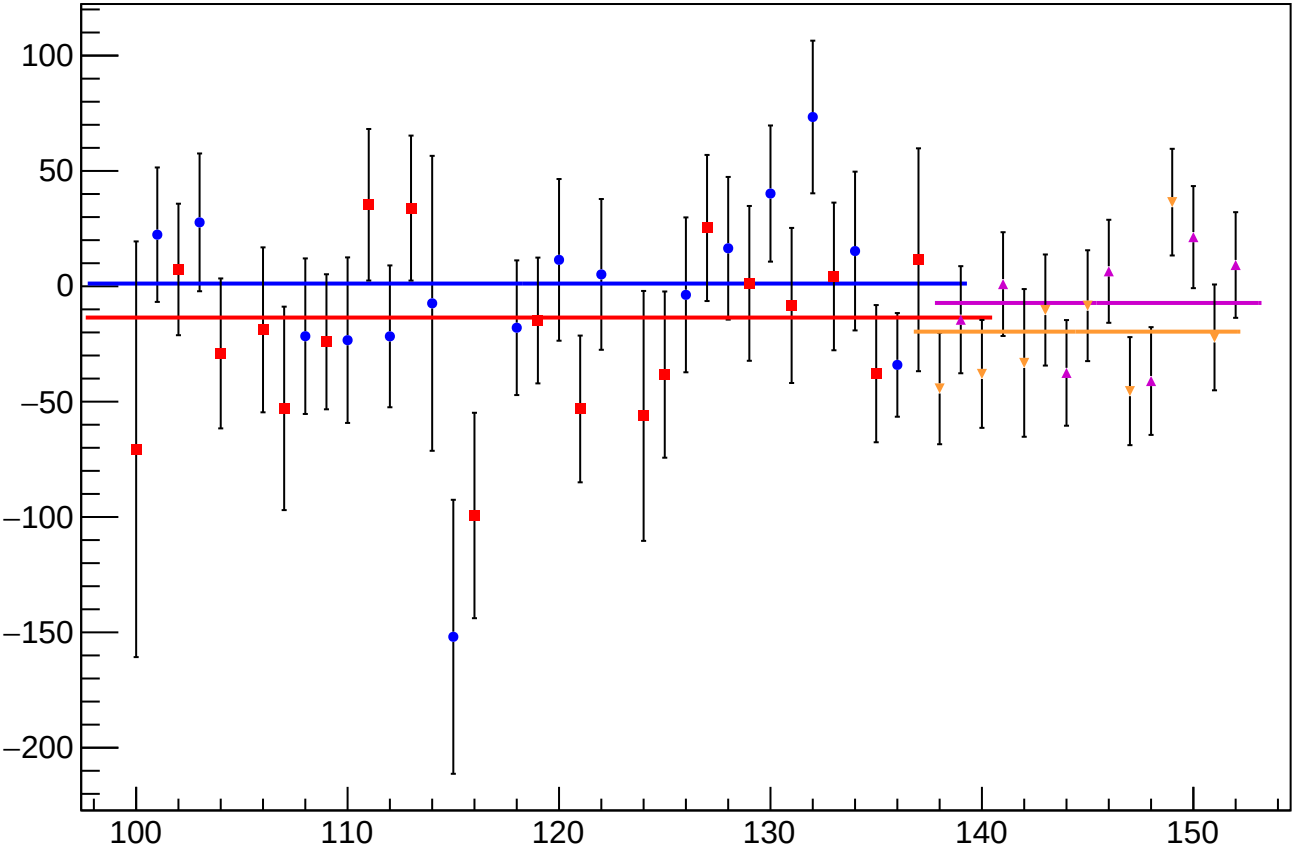
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.918+/-0.003 χ^2/NDF:93469.7/22

Out: 16.101+/-0.003 χ^2/NDF:85622.3/26

All: 16.009+/-0.002 χ^2/NDF: 180855.5/49

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: -7.219+/-8.597 χ^2/NDF:6.6/6

Left: -13.445+/-6.074 χ^2/NDF: 17.0/14

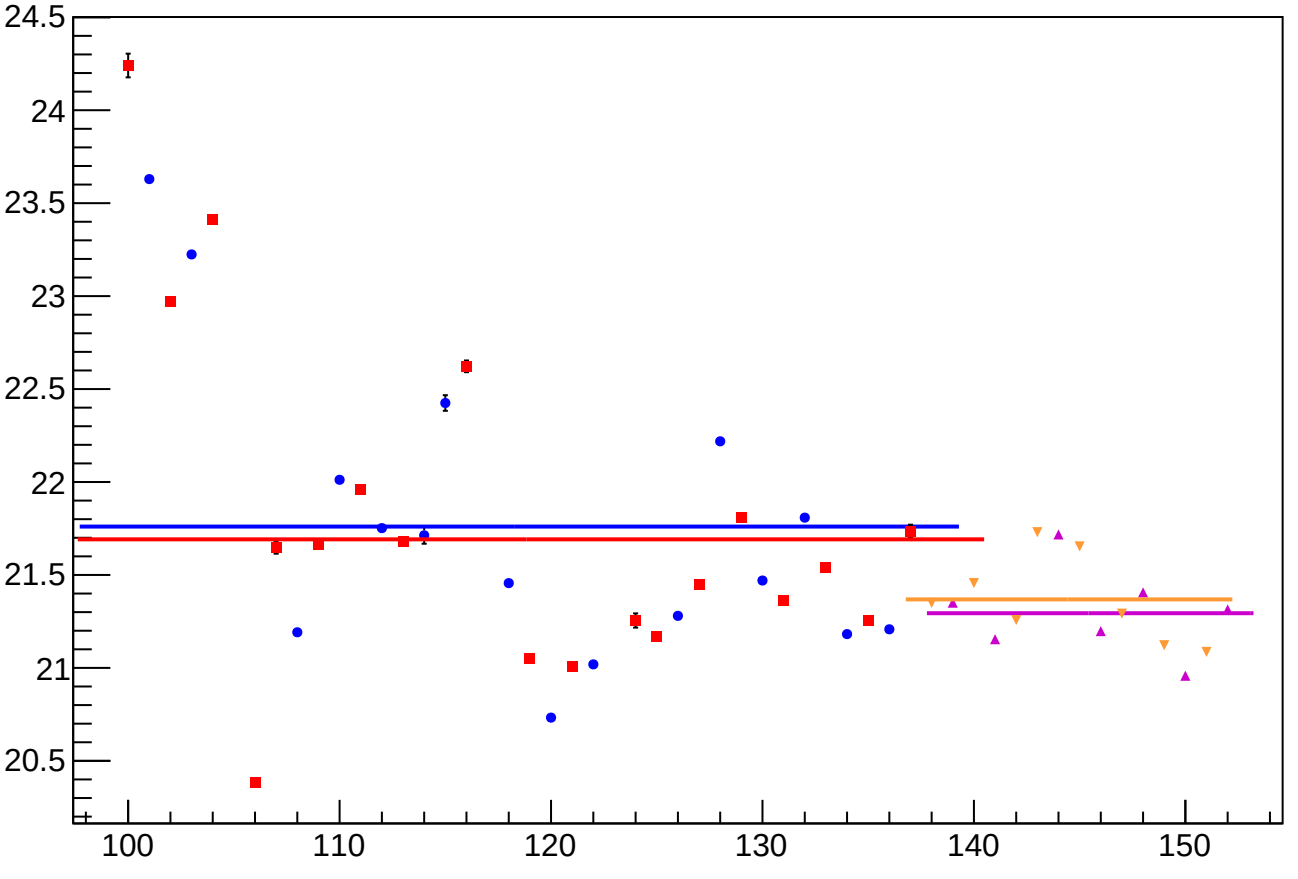
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -2.761+/-5.891 χ^2/NDF:26.5/22

Out: -16.354+/-5.819 χ^2/NDF:25.5/26

All: -9.641+/-4.140 χ^2/NDF: 54.8/49

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: 21.294+/-0.006 χ^2/NDF:1321.5/6

Left: 21.331+/-0.004 χ^2/NDF: 2734.4/14

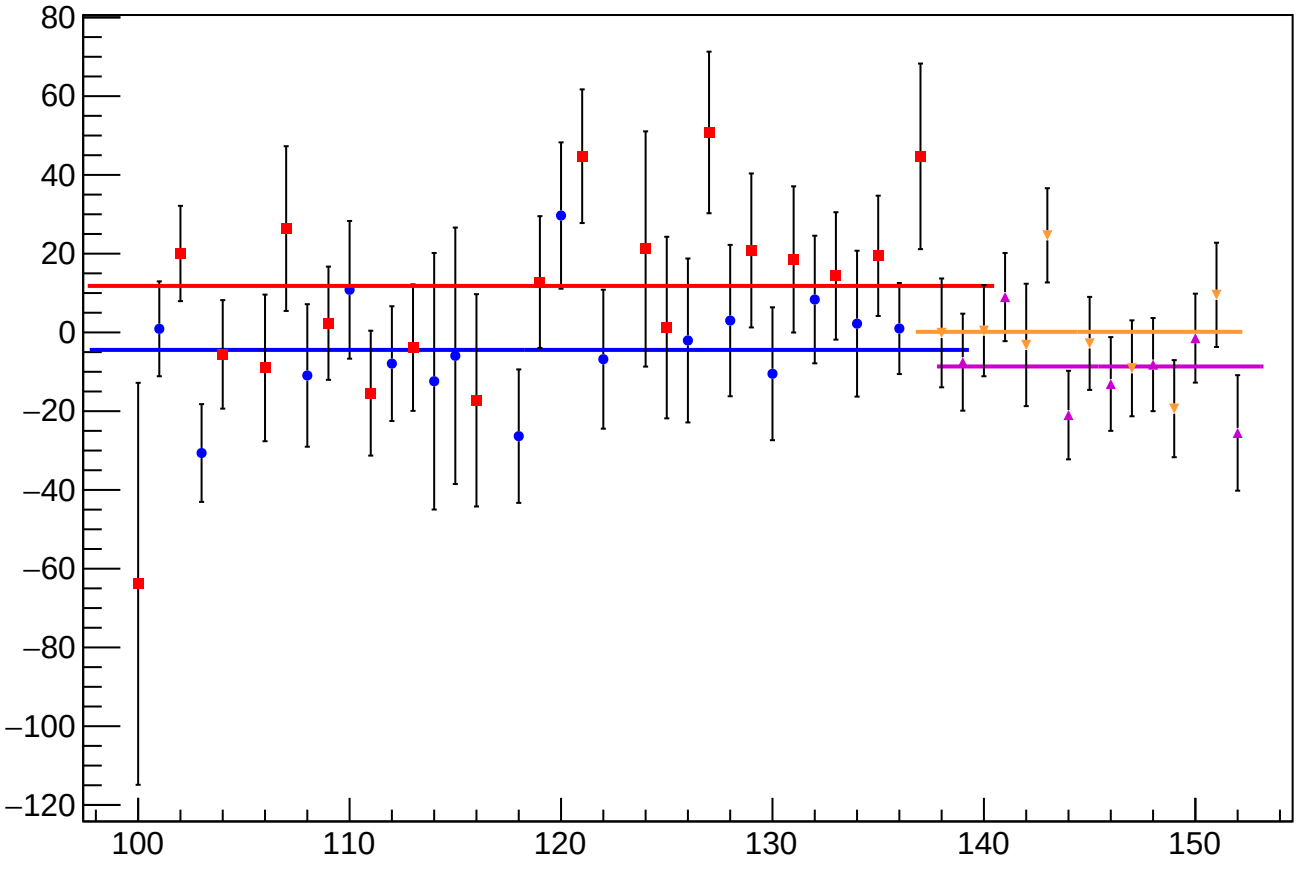
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.541+/-0.004 χ^2/NDF:24185.0/22

Out: 21.543+/-0.004 χ^2/NDF:21200.9/26

All: 21.542+/-0.003 χ^2/NDF: 45385.9/49

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: -8.647+/-4.510 χ^2/NDF:5.6/6

Left: -4.213+/-3.175 χ^2/NDF: 15.4/14

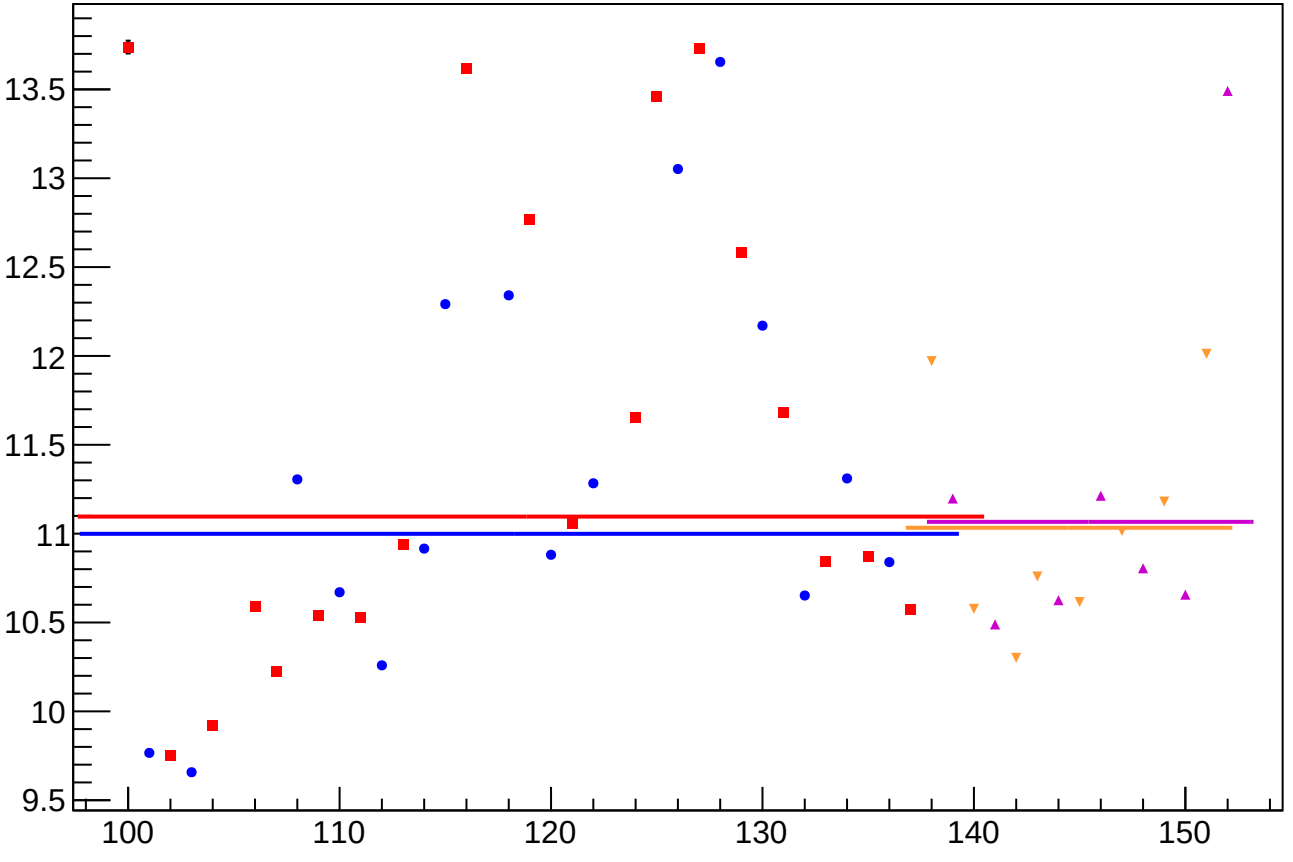
Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -6.360+/-3.046 χ^2/NDF:18.0/22

Out: 6.485+/-3.021 χ^2/NDF:33.3/26

All: 0.116+/-2.145 χ^2/NDF: 60.3/49

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: 11.067+/-0.003 χ^2/NDF:67185.5/6

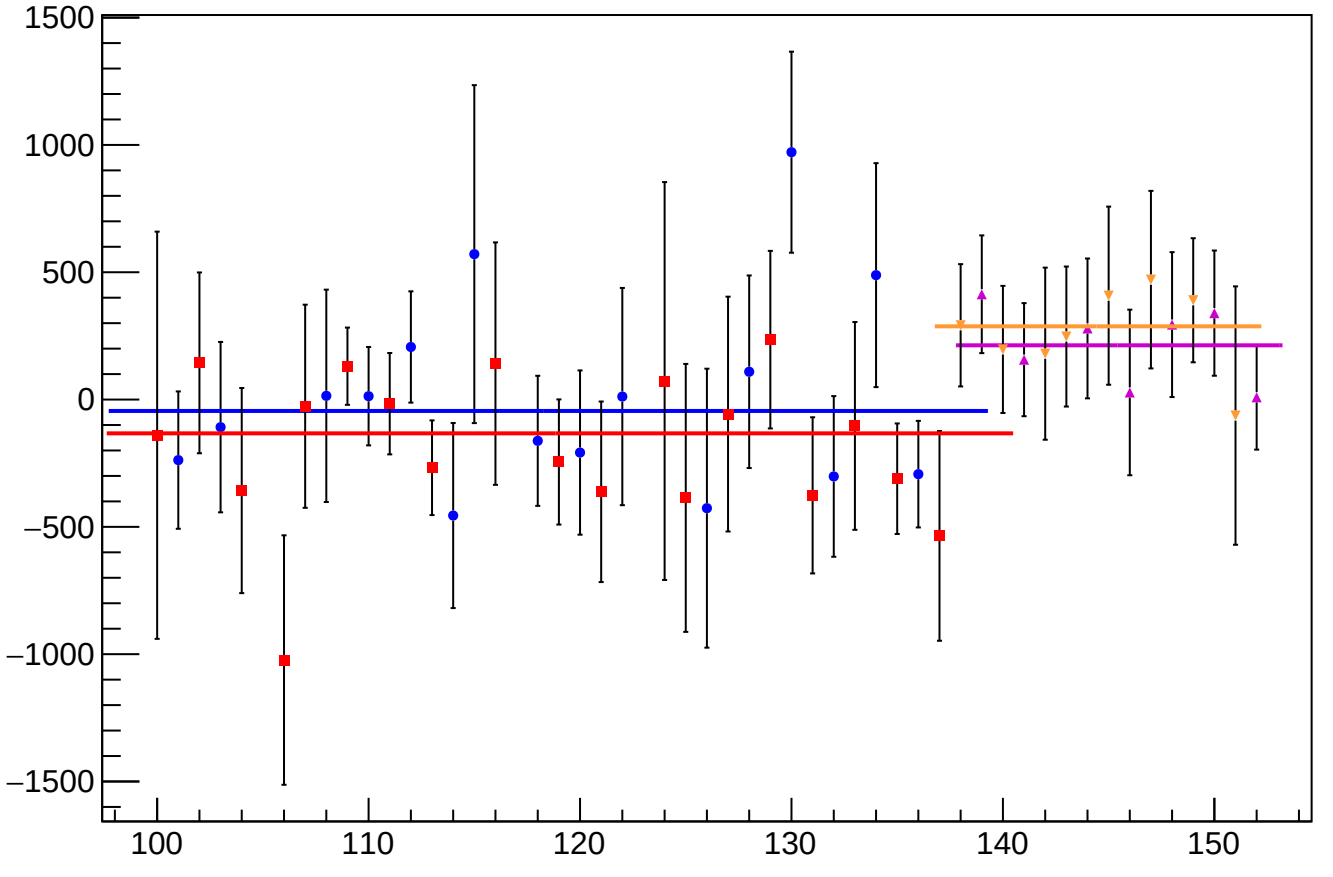
Left: 11.050+/-0.002 χ^2/NDF: 98775.4/14

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

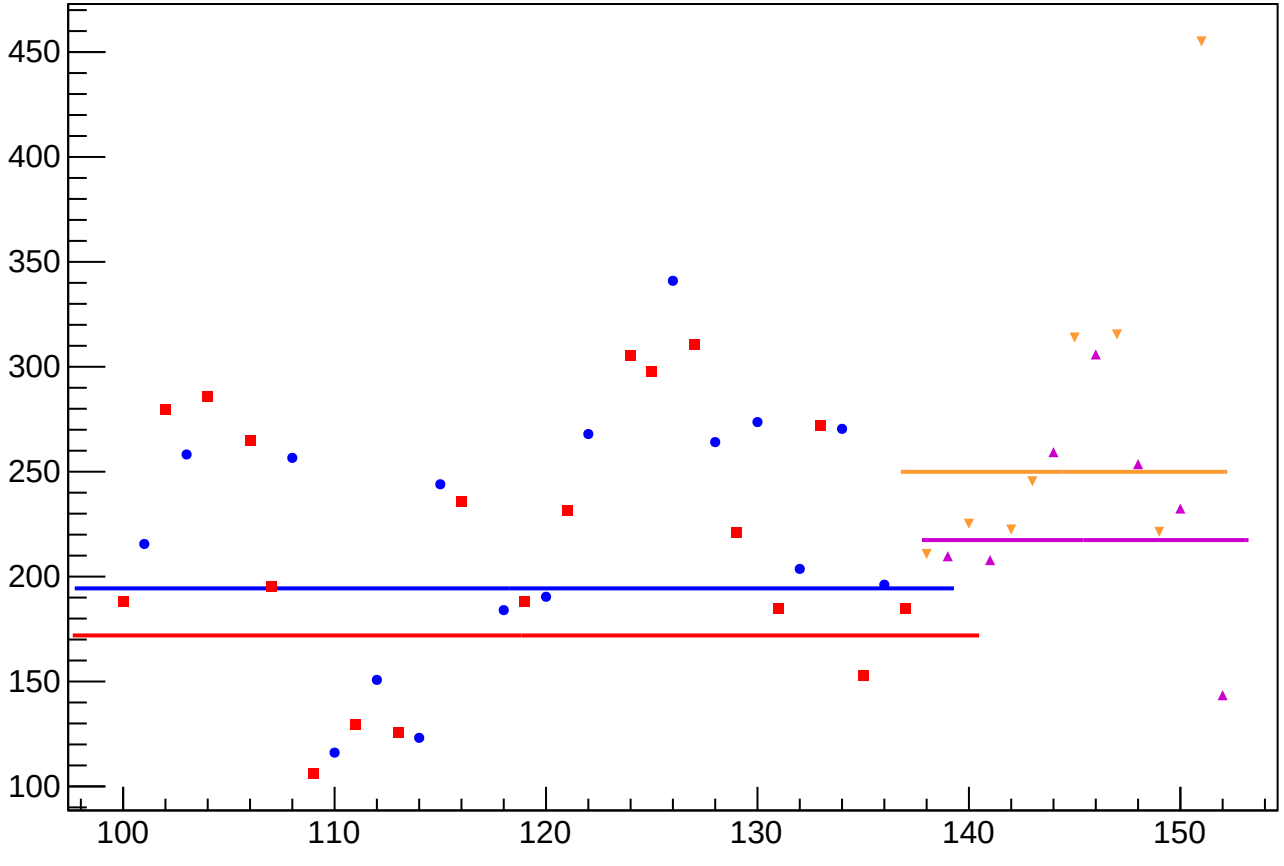
In: 11.030+/-0.002 χ^2/NDF:203588.1/22

Out: 11.067+/-0.002 χ^2/NDF:194658.2/26

All: 11.049+/-0.002 χ^2/NDF: 398398.5/49


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
Right In: -44.797+/-76.424 χ²/NDF: 15.4/15
Left Out: 287.573+/-103.971 χ²/NDF:1.3/7
Right Out: -132.730+/-68.270 χ²/NDF: 12.9/18
Left In: 213.014+/-93.549 χ²/NDF:2.5/6
Left: 246.370+/-69.543 χ²/NDF: 4.1/14
Right: -93.703+/-50.914 χ²/NDF: 29.0/34
In: 58.394+/-59.185 χ²/NDF:22.5/22
Out: -6.109+/-57.067 χ²/NDF:25.6/26
All: 24.968+/-41.081 χ²/NDF: 48.7/49

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: 217.413+/-0.066 χ^2/NDF:499111.3/6

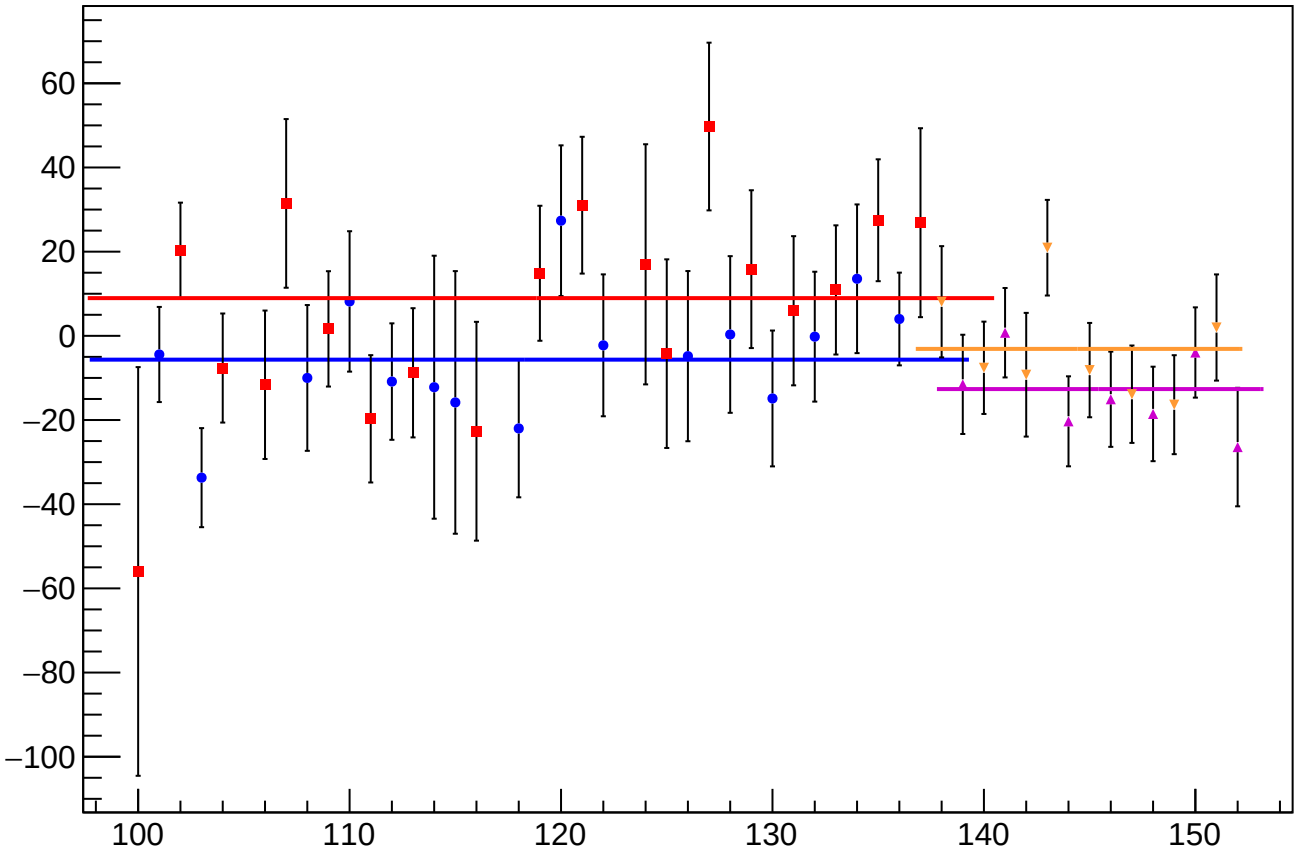
Left: 231.964+/-0.049 χ^2/NDF: 1185744.3/14

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 203.602+/-0.042 χ^2/NDF:1613818.1/22

Out: 195.444+/-0.040 χ^2/NDF:3016104.3/26

All: 199.374+/-0.029 χ^2/NDF: 4649617.1/49



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: -12.647+/-4.292 χ^2/NDF:4.0/6

Left: -7.827+/-3.020 χ^2/NDF: 14.6/14

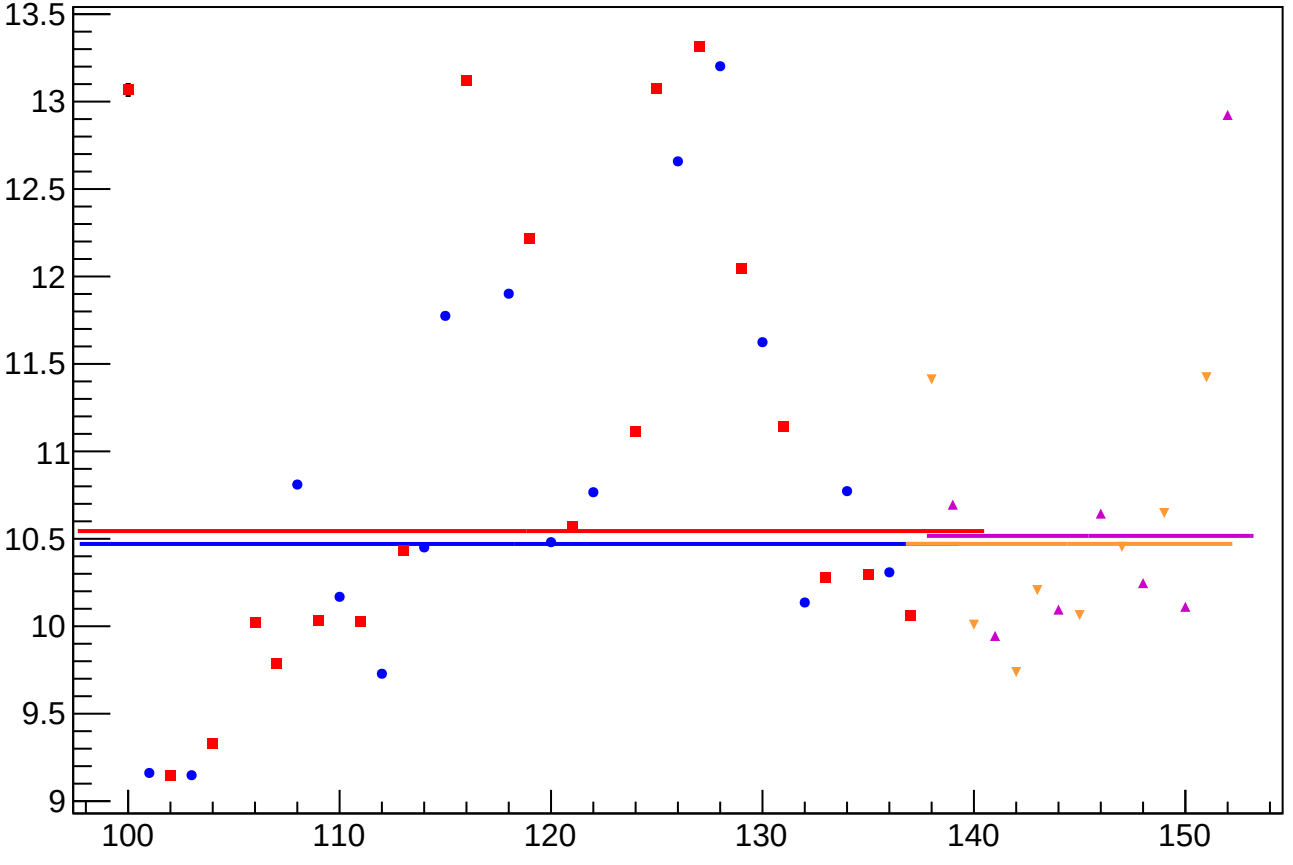
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -8.854+/-2.902 χ^2/NDF:19.2/22

Out: 3.445+/-2.874 χ^2/NDF:35.2/26

All: -2.644+/-2.042 χ^2/NDF: 63.4/49

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: 10.517+/-0.003 χ^2/NDF:72084.0/6

Left: 10.494+/-0.002 χ^2/NDF: 106444.6/14

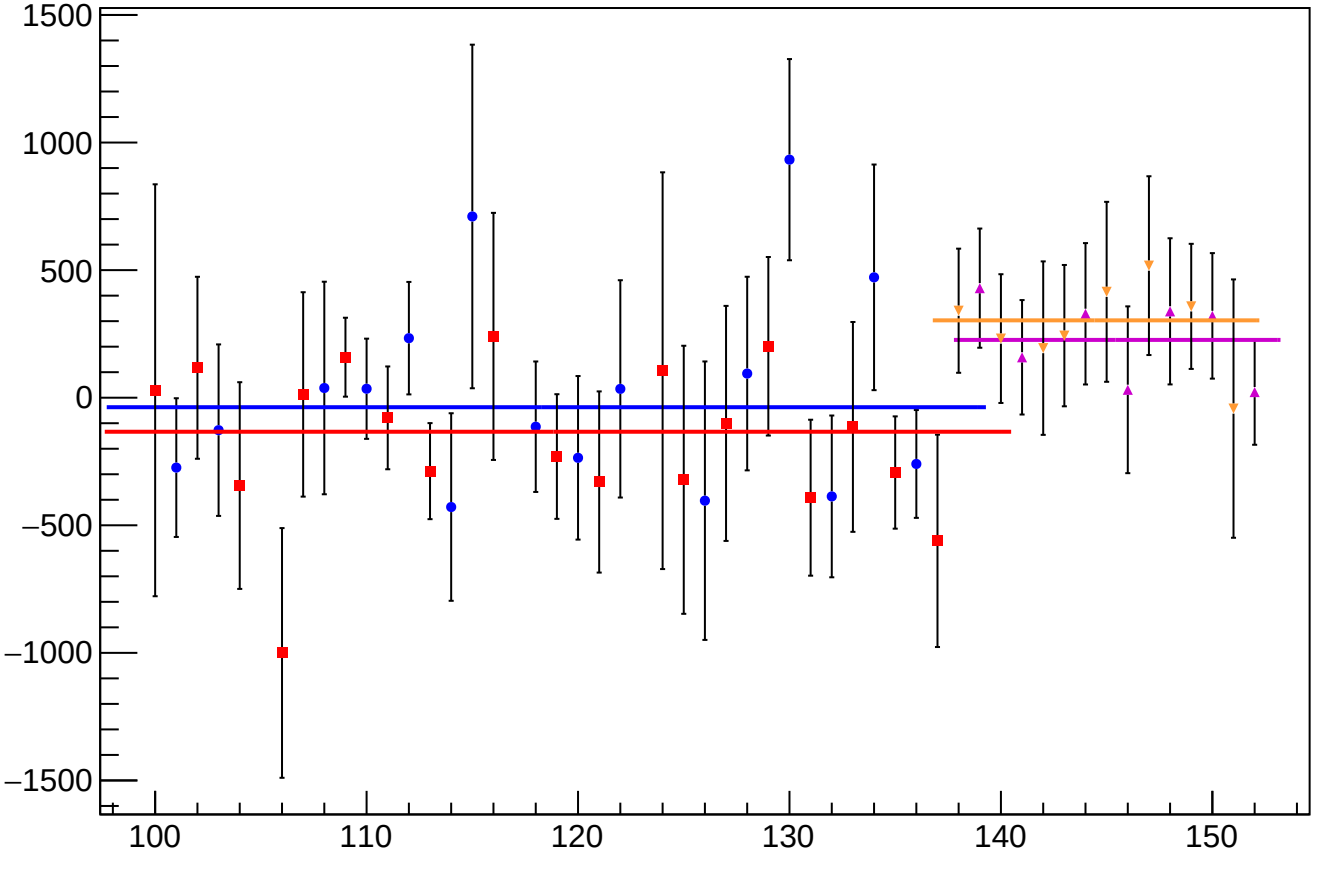
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.492+/-0.002 χ^2/NDF:229575.5/22

Out: 10.511+/-0.002 χ^2/NDF:221349.5/26

All: 10.501+/-0.001 χ^2/NDF: 450968.7/49

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: 226.522+/-94.175 χ^2/NDF:2.6/6

Left: 260.756+/-70.050 χ^2/NDF: 4.2/14

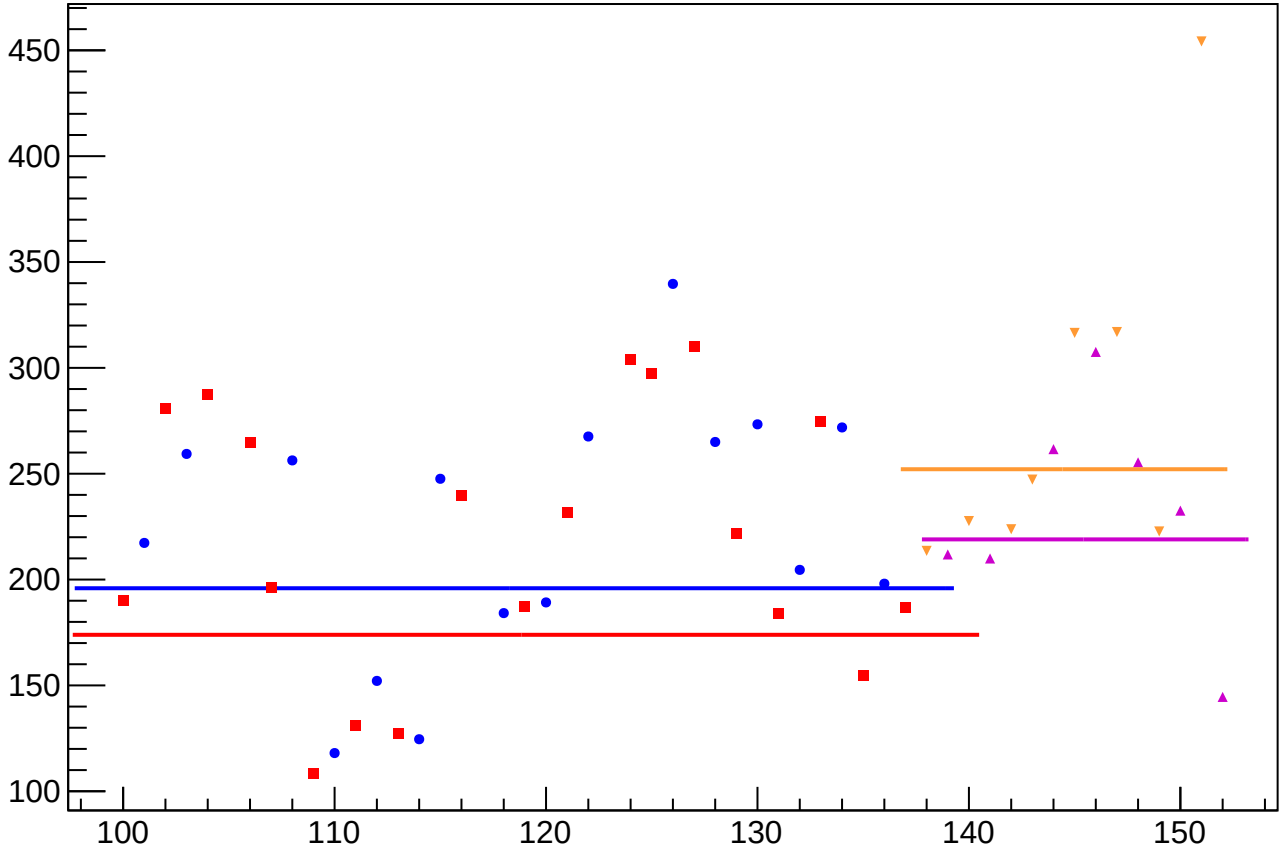
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 68.300+/-59.571 χ^2/NDF:23.0/22

Out: -1.696+/-57.565 χ^2/NDF:26.3/26

All: 32.103+/-41.396 χ^2/NDF: 49.9/49

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: 218.974+/-0.067 χ^2/NDF:497111.3/6

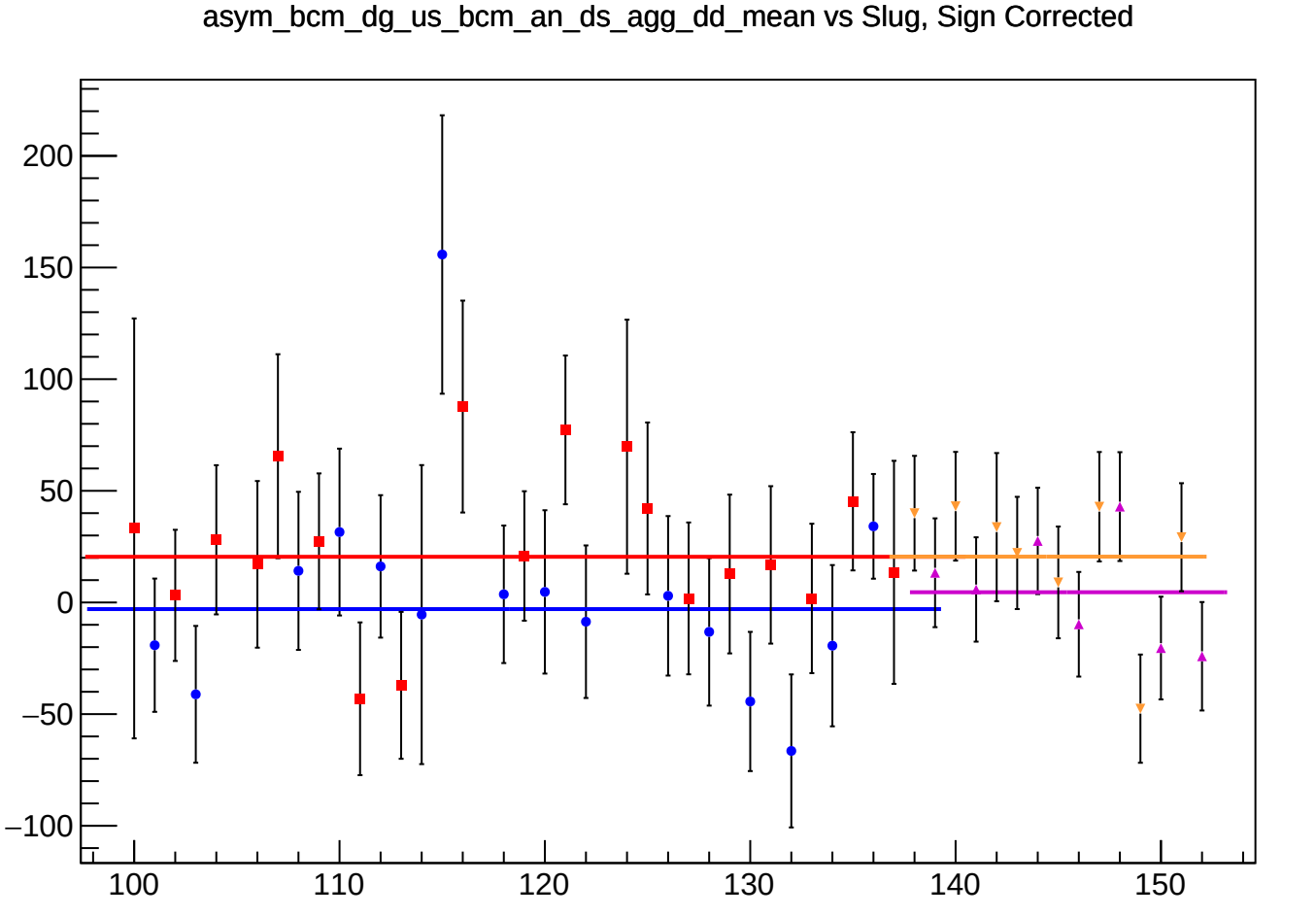
Left: 233.778+/-0.050 χ^2/NDF: 1173958.6/14

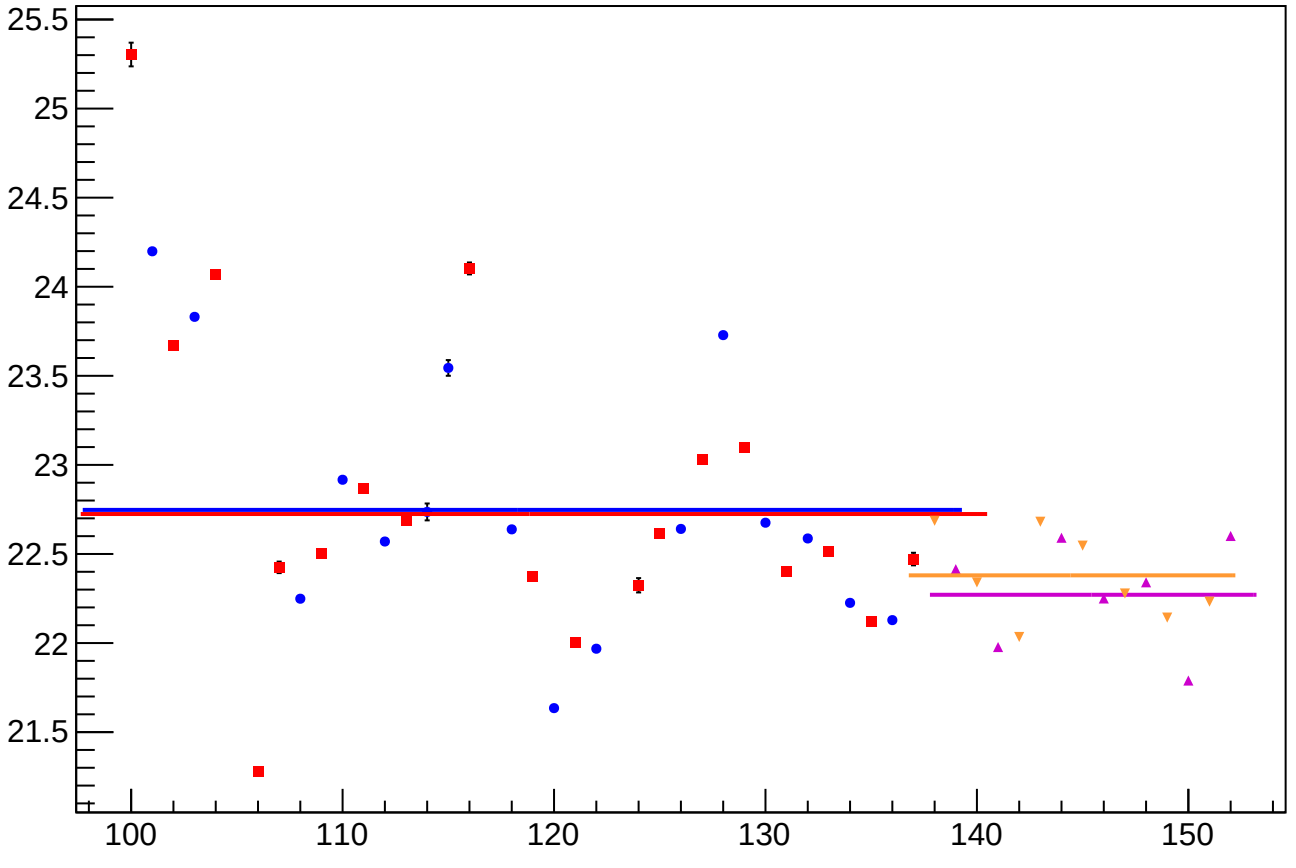
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 205.132+/-0.042 χ^2/NDF:1580146.5/22

Out: 197.496+/-0.041 χ^2/NDF:2943607.1/26

All: 201.183+/-0.029 χ^2/NDF: 4540750.4/49


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
Right In: -2.967+/-8.454 χ²/NDF: 17.9/15
Left Out: 20.516+/-8.992 χ²/NDF:10.7/7
Right Out: 20.457+/-8.292 χ²/NDF: 15.3/18
Left In: 4.582+/-8.992 χ²/NDF:6.5/6
Left: 12.549+/-6.358 χ²/NDF: 18.7/14
Right: 8.972+/-5.920 χ²/NDF: 37.1/34
In: 0.575+/-6.159 χ²/NDF:24.8/22
Out: 20.484+/-6.096 χ²/NDF:25.9/26
All: 10.633+/-4.333 χ²/NDF: 56.0/49



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: 22.271+/-0.006 χ^2/NDF:2009.6/6

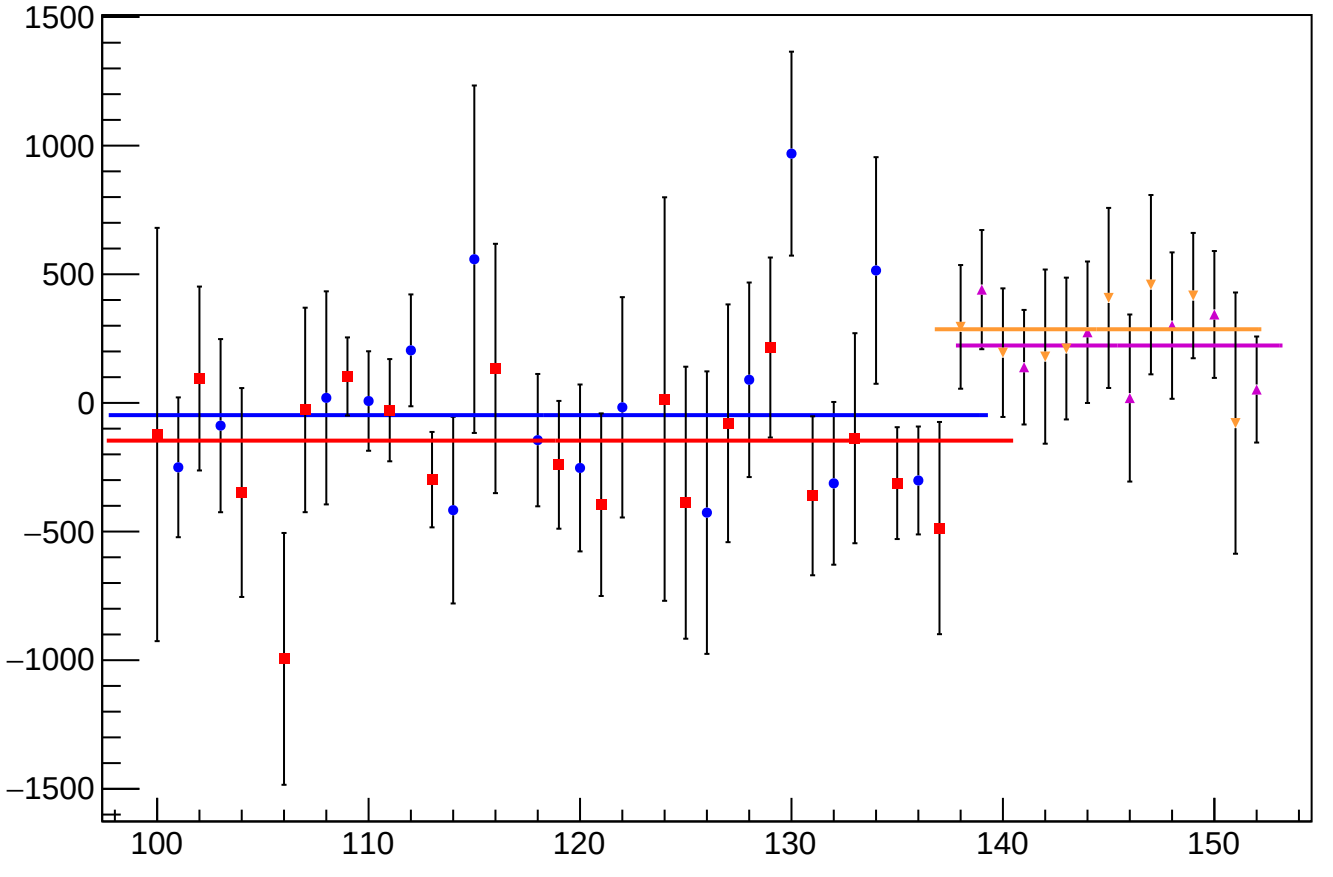
Left: 22.325+/-0.004 χ^2/NDF: 3339.7/14

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.524+/-0.004 χ^2/NDF:19613.6/22

Out: 22.566+/-0.004 χ^2/NDF:17257.7/26

All: 22.545+/-0.003 χ^2/NDF: 36918.7/49



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: 223.164+/-93.713 χ^2/NDF:2.5/6

Left: 251.429+/-69.635 χ^2/NDF: 4.1/14

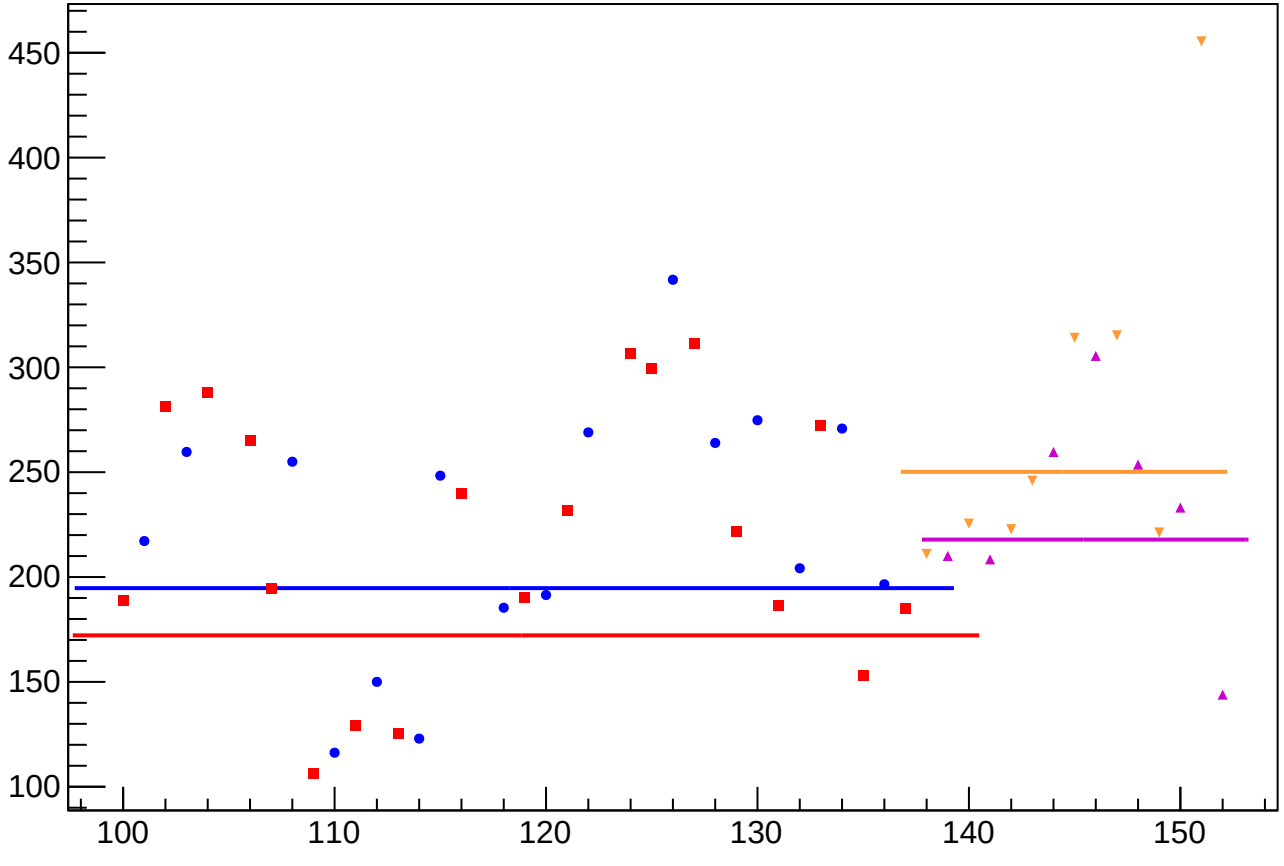
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 60.846+/-59.295 χ^2/NDF:22.9/22

Out: -15.977+/-57.156 χ^2/NDF:25.1/26

All: 21.024+/-41.151 χ^2/NDF: 48.9/49

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 250.153+/-0.074 χ^2/NDF:577620.0/7

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 217.863+/-0.066 χ^2/NDF:494113.5/6

Left: 232.324+/-0.049 χ^2/NDF: 1178072.6/14

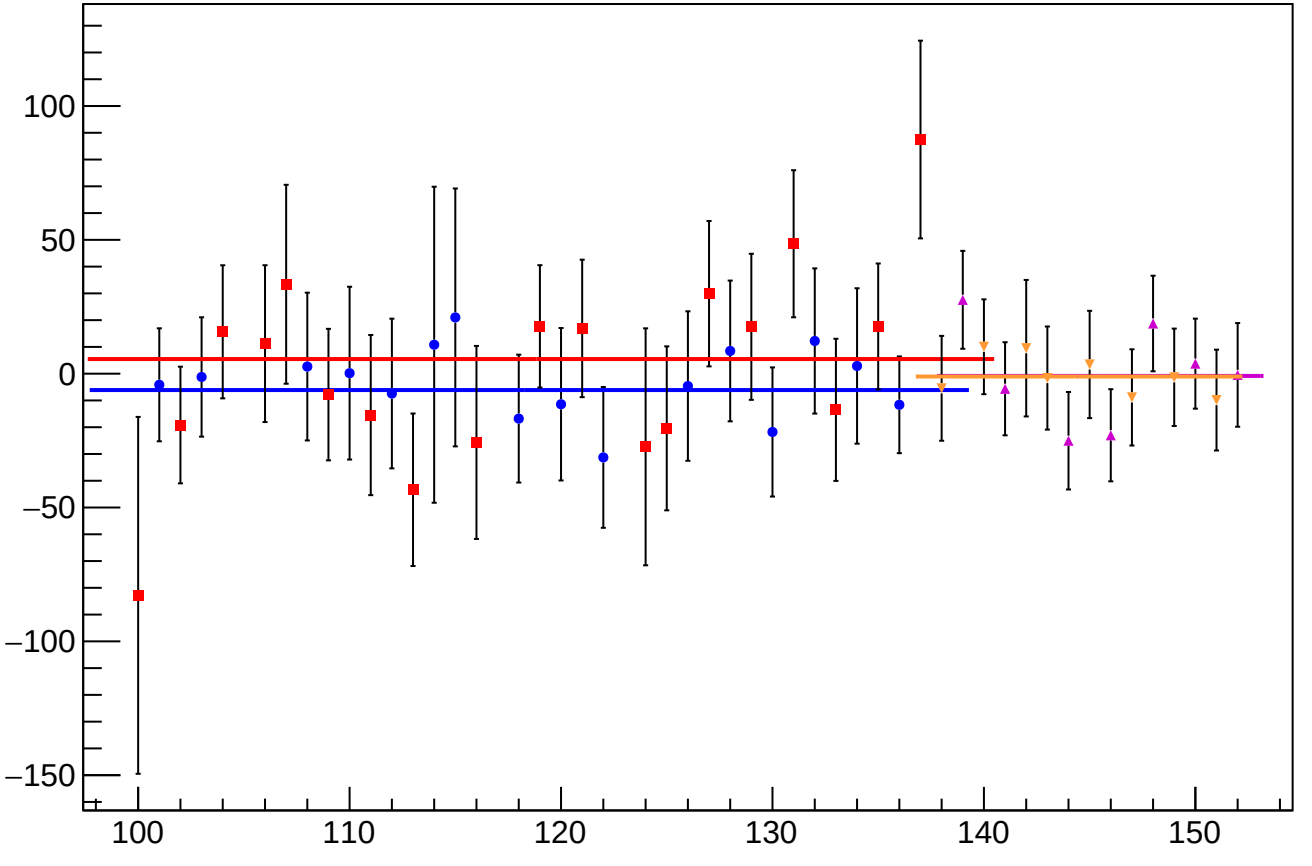
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 203.978+/-0.042 χ^2/NDF:1619620.4/22

Out: 195.709+/-0.040 χ^2/NDF:3032753.9/26

All: 199.692+/-0.029 χ^2/NDF: 4672533.7/49

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: -0.839+/-6.738 χ^2/NDF:7.2/6

Left: -0.947+/-4.796 χ^2/NDF: 8.3/14

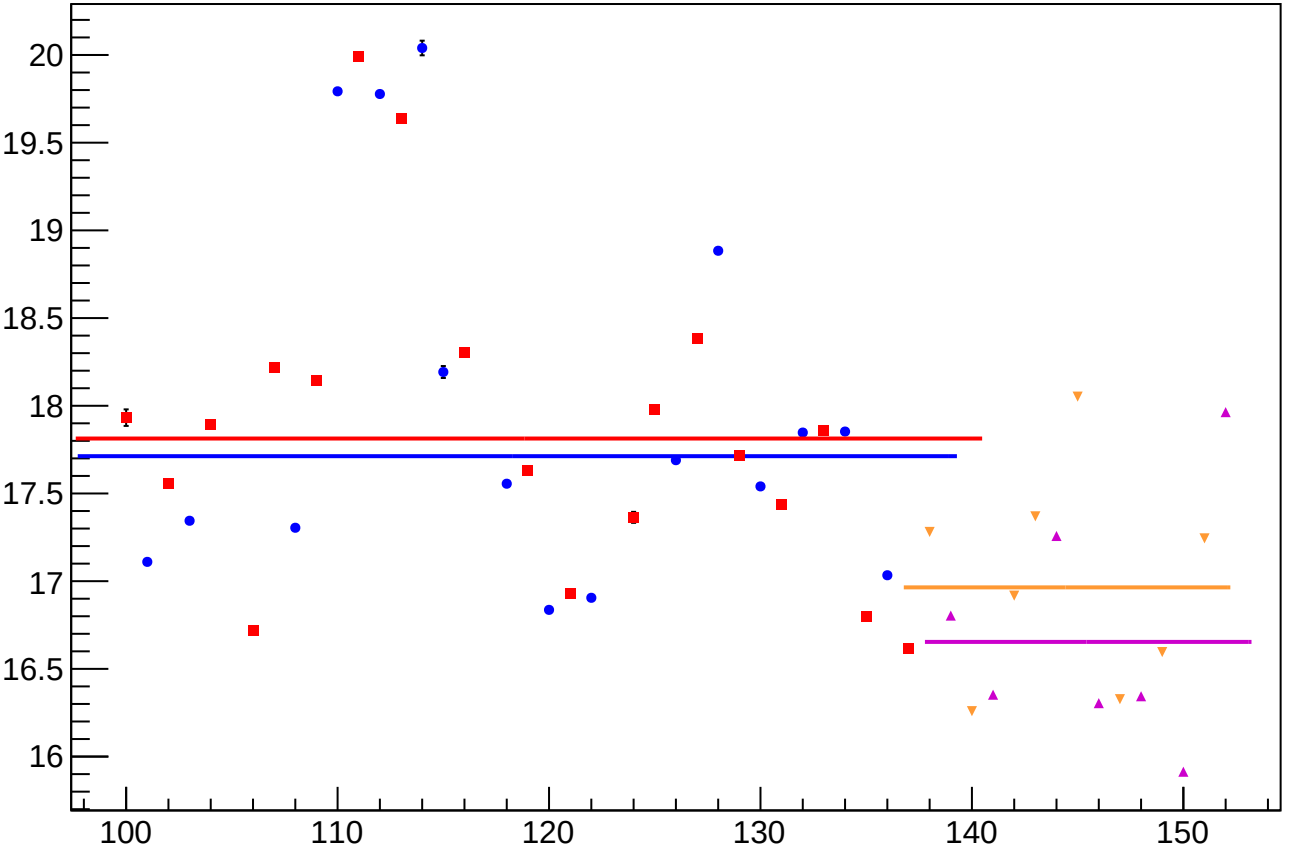
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -3.537+/-4.712 χ^2/NDF:10.6/22

Out: 2.362+/-4.711 χ^2/NDF:20.7/26

All: -0.587+/-3.332 χ^2/NDF: 32.2/49

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.965+/-0.005 χ^2/NDF:14250.1/7

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.654+/-0.005 χ^2/NDF:17382.0/6

Left: 16.807+/-0.003 χ^2/NDF: 33732.7/14

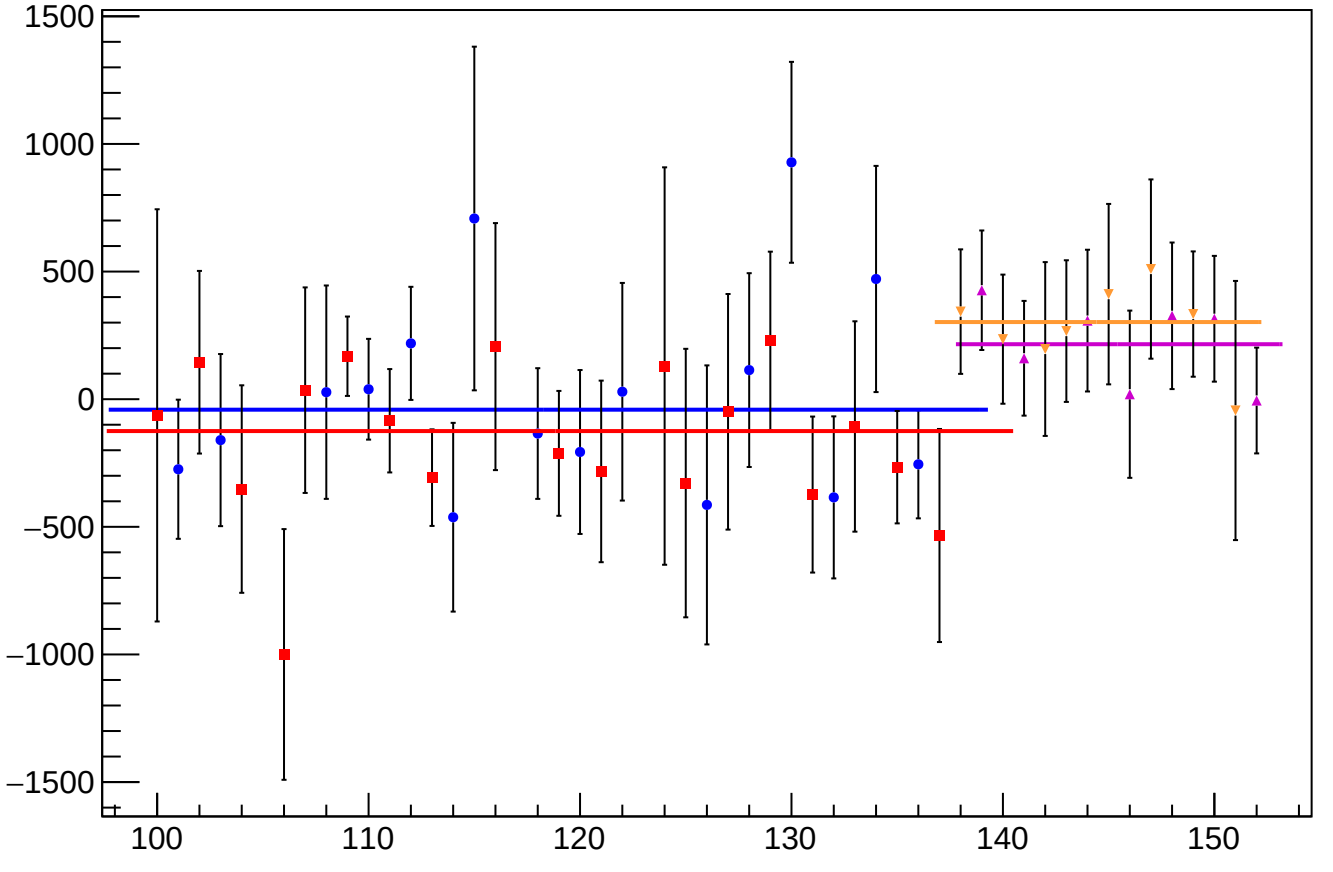
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.195+/-0.003 χ^2/NDF:78602.3/22

Out: 17.409+/-0.003 χ^2/NDF:63150.6/26

All: 17.302+/-0.002 χ^2/NDF: 143824.6/49

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: 215.395+/-94.396 χ^2/NDF:2.8/6

Left: 254.195+/-70.209 χ^2/NDF: 4.3/14

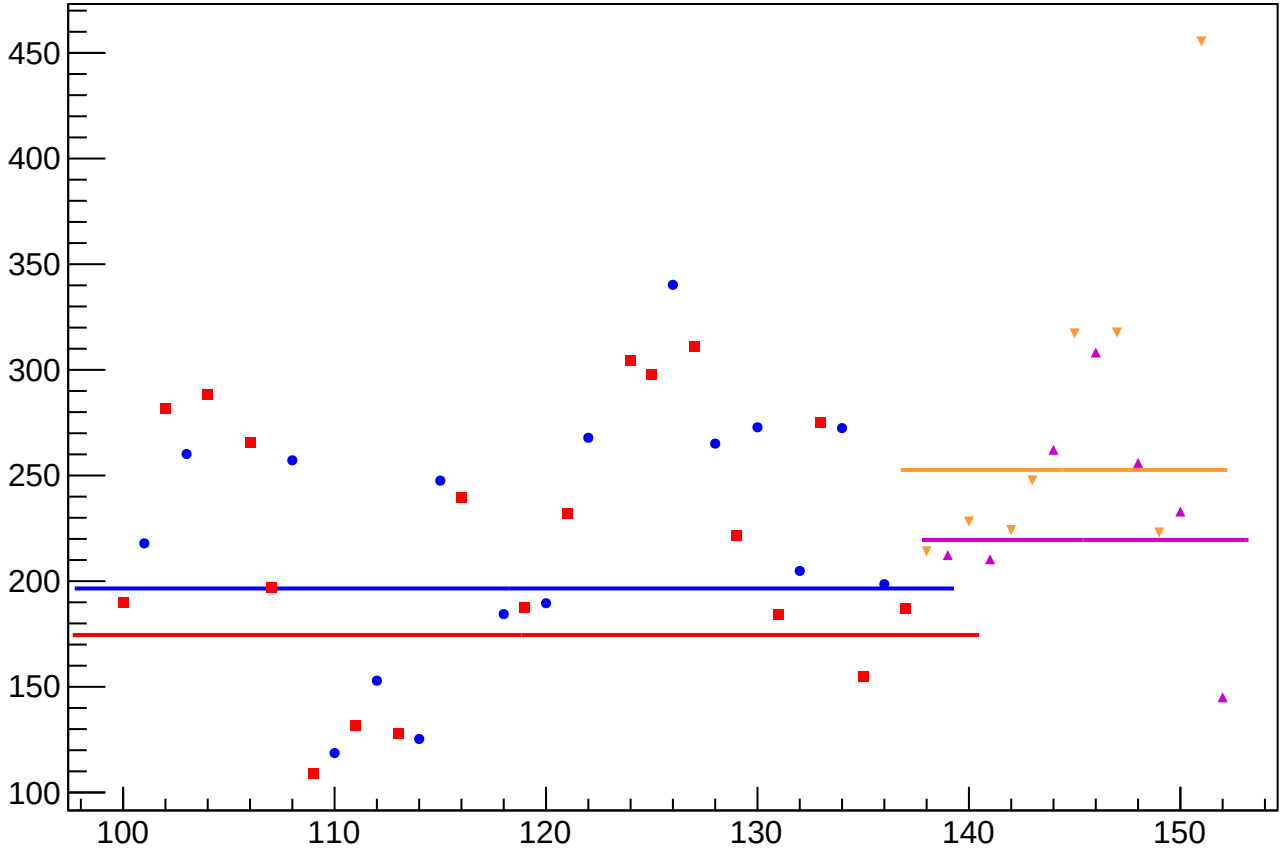
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 61.592+/-59.732 χ^2/NDF:22.8/22

Out: 4.166+/-57.733 χ^2/NDF:25.6/26

All: 31.902+/-41.512 χ^2/NDF: 48.9/49

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 252.651+/-0.074 χ^2/NDF:566855.4/7

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 219.507+/-0.067 χ^2/NDF:495561.7/6

Left: 234.316+/-0.050 χ^2/NDF: 1172580.1/14

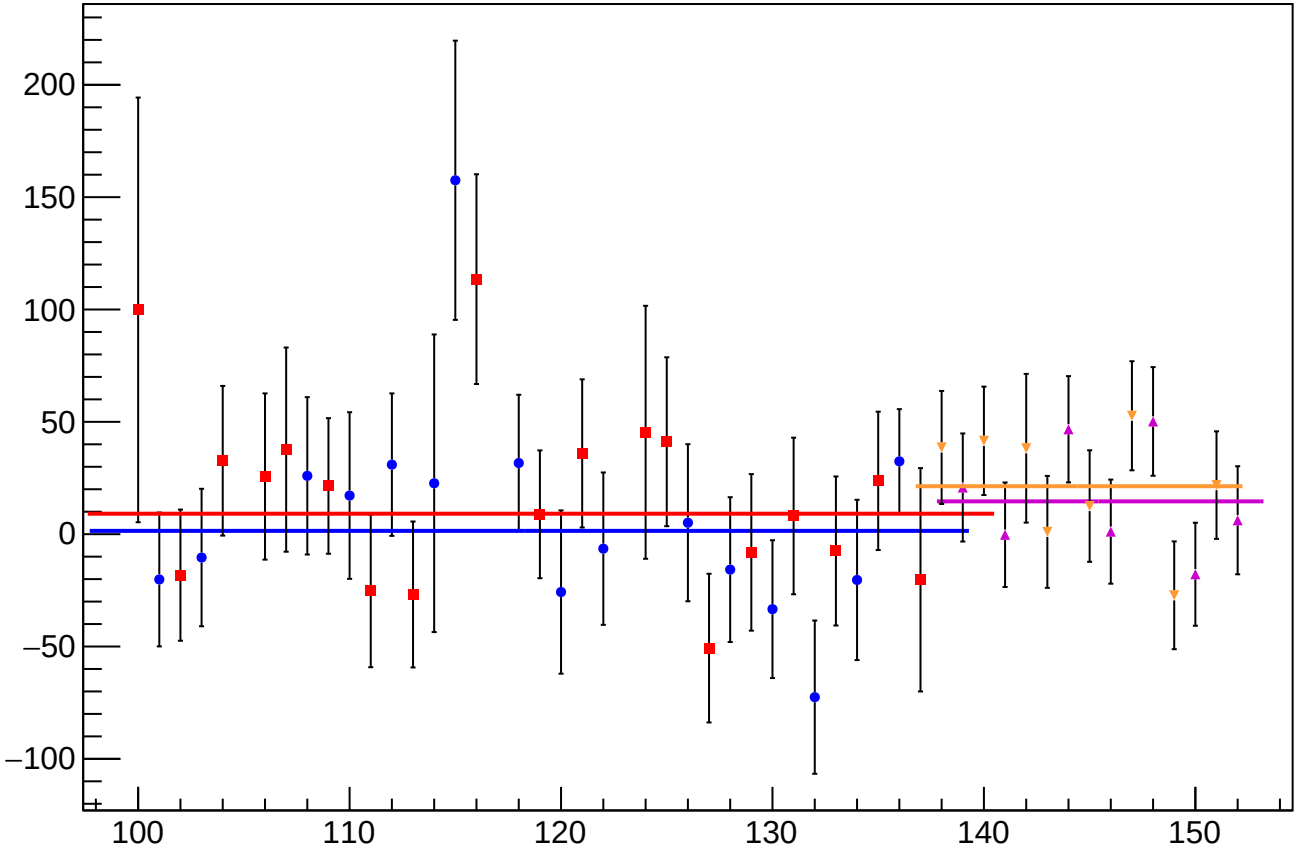
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 205.737+/-0.042 χ^2/NDF:1567308.4/22

Out: 198.139+/-0.041 χ^2/NDF:2927495.5/26

All: 201.809+/-0.029 χ^2/NDF: 4511537.4/49

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: 14.607+/-8.919 χ^2/NDF:6.9/6

Left: 17.986+/-6.300 χ^2/NDF: 15.2/14

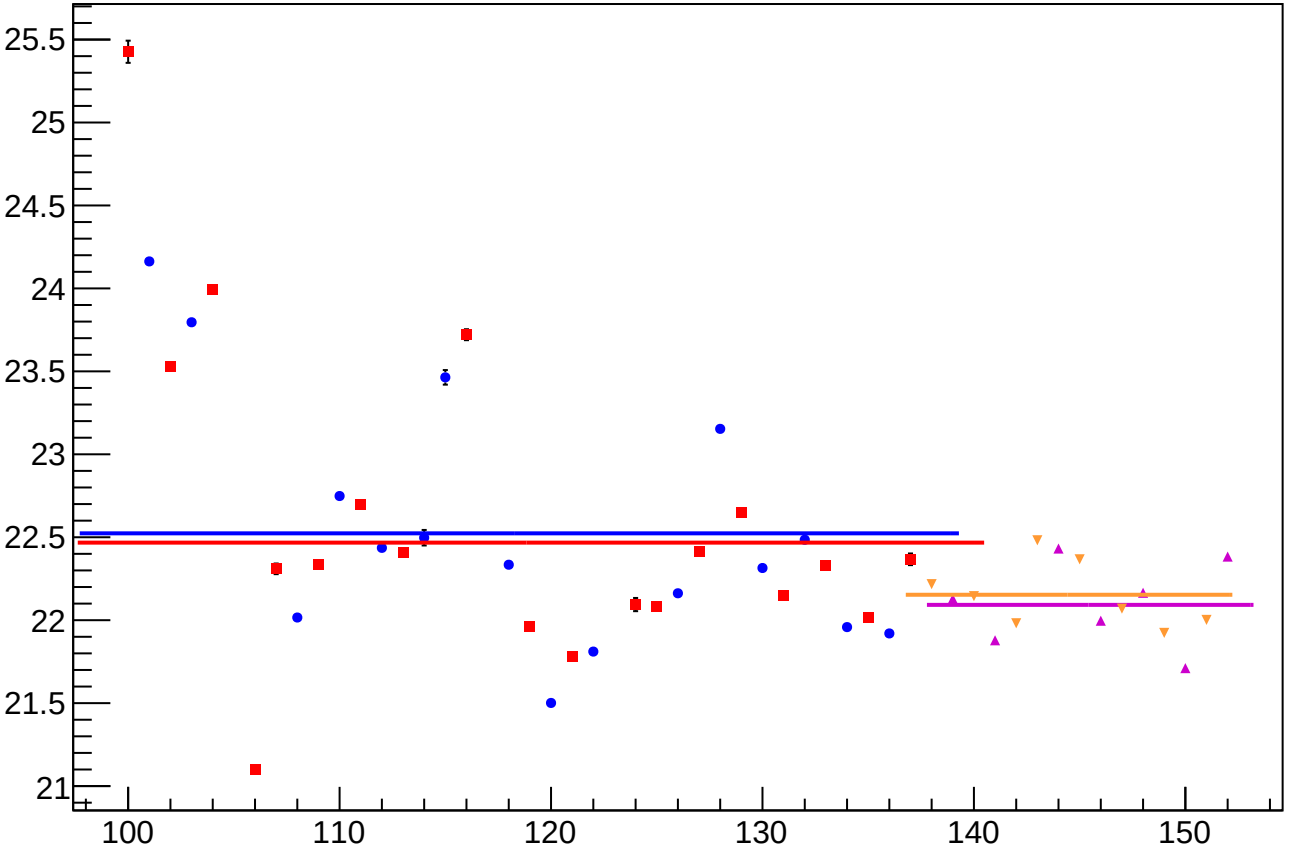
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 7.625+/-6.104 χ^2/NDF:26.8/22

Out: 14.730+/-6.029 χ^2/NDF:25.5/26

All: 11.221+/-4.289 χ^2/NDF: 52.9/49

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: 22.092+/-0.006 χ^2/NDF:1483.9/6

Left: 22.123+/-0.004 χ^2/NDF: 2381.2/14

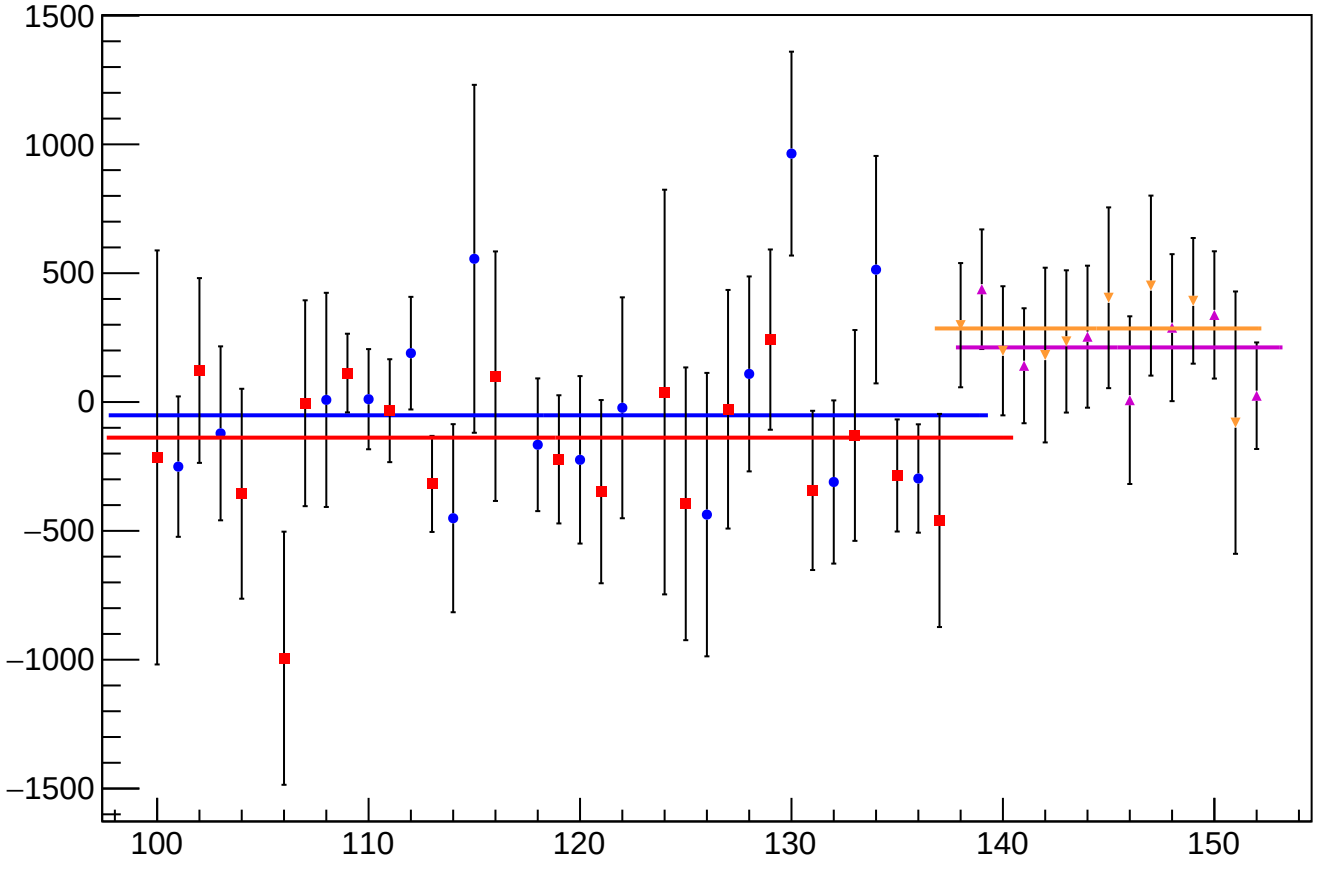
Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.322+/-0.004 χ^2/NDF:19917.4/22

Out: 22.323+/-0.004 χ^2/NDF:17826.0/26

All: 22.322+/-0.003 χ^2/NDF: 37743.5/49

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 285.556+/-104.281 χ^2/NDF:1.3/7

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 211.977+/-93.936 χ^2/NDF:2.6/6

Left: 244.937+/-69.794 χ^2/NDF: 4.2/14

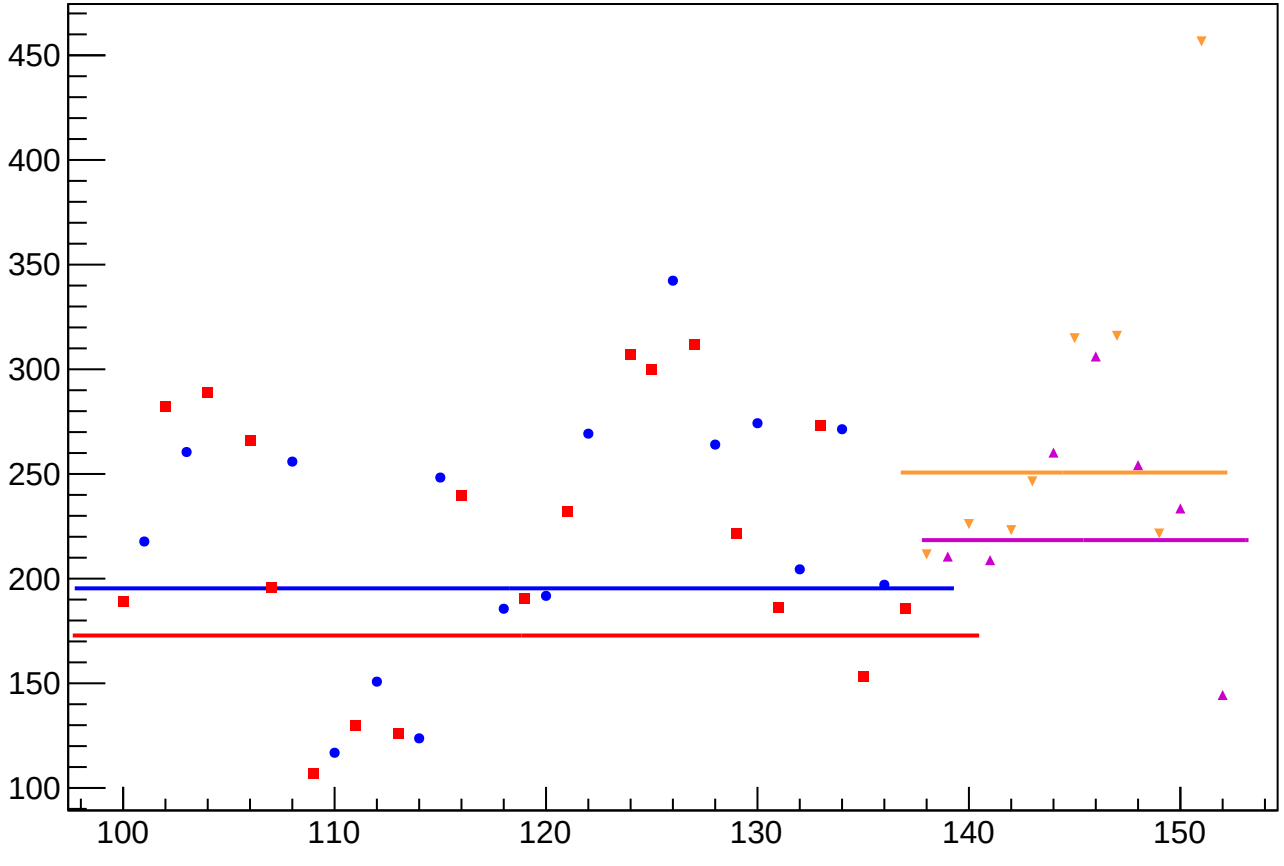
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 54.060+/-59.457 χ^2/NDF:22.7/22

Out: -10.133+/-57.325 χ^2/NDF:24.4/26

All: 20.793+/-41.268 χ^2/NDF: 47.7/49

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: 218.402+/-0.066 χ^2/NDF:492463.7/6

Left: 232.865+/-0.049 χ^2/NDF: 1176522.5/14

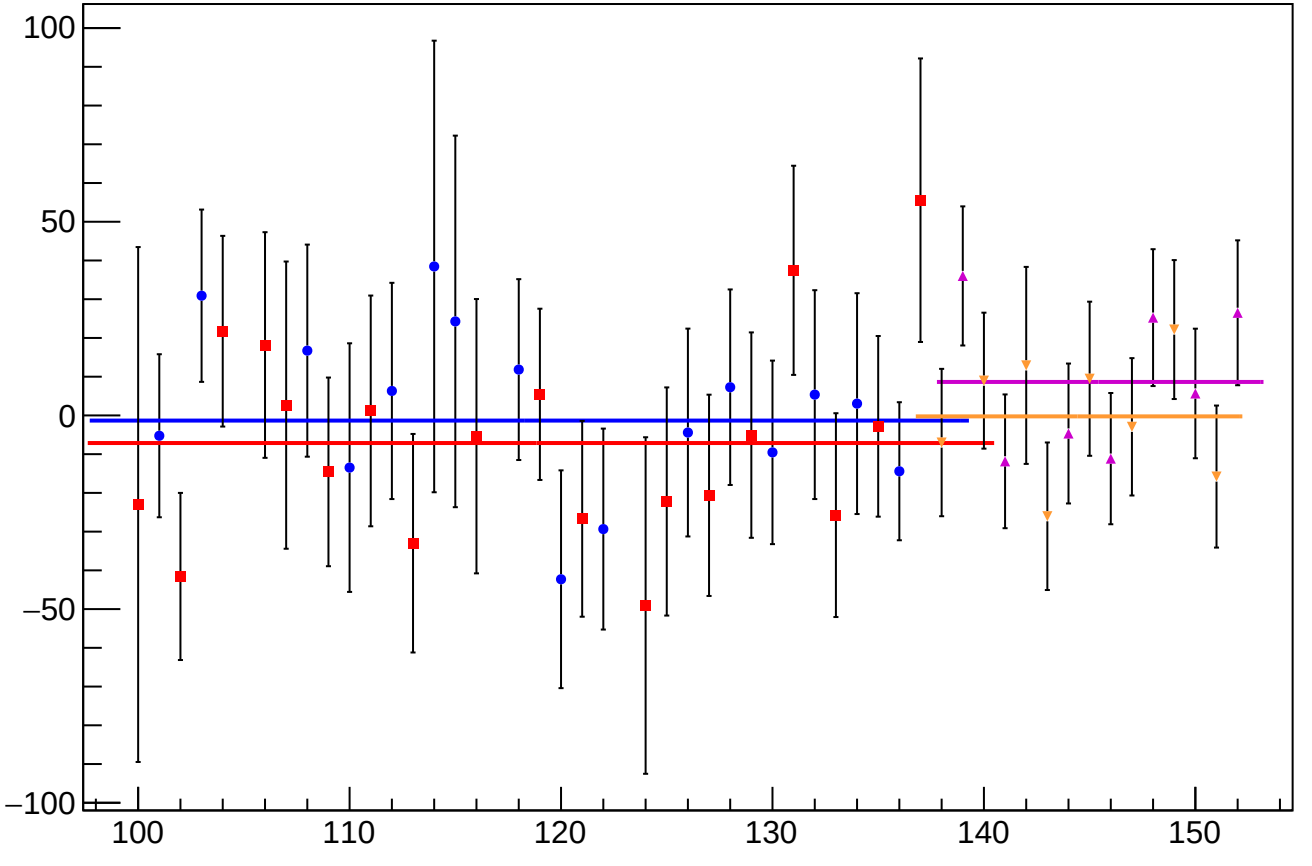
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 204.592+/-0.042 χ^2/NDF:1606017.8/22

Out: 196.363+/-0.041 χ^2/NDF:3015498.6/26

All: 200.327+/-0.029 χ^2/NDF: 4641367.1/49

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: 8.643+/-6.646 χ^2/NDF:7.5/6

Left: 4.251+/-4.727 χ^2/NDF: 13.4/14

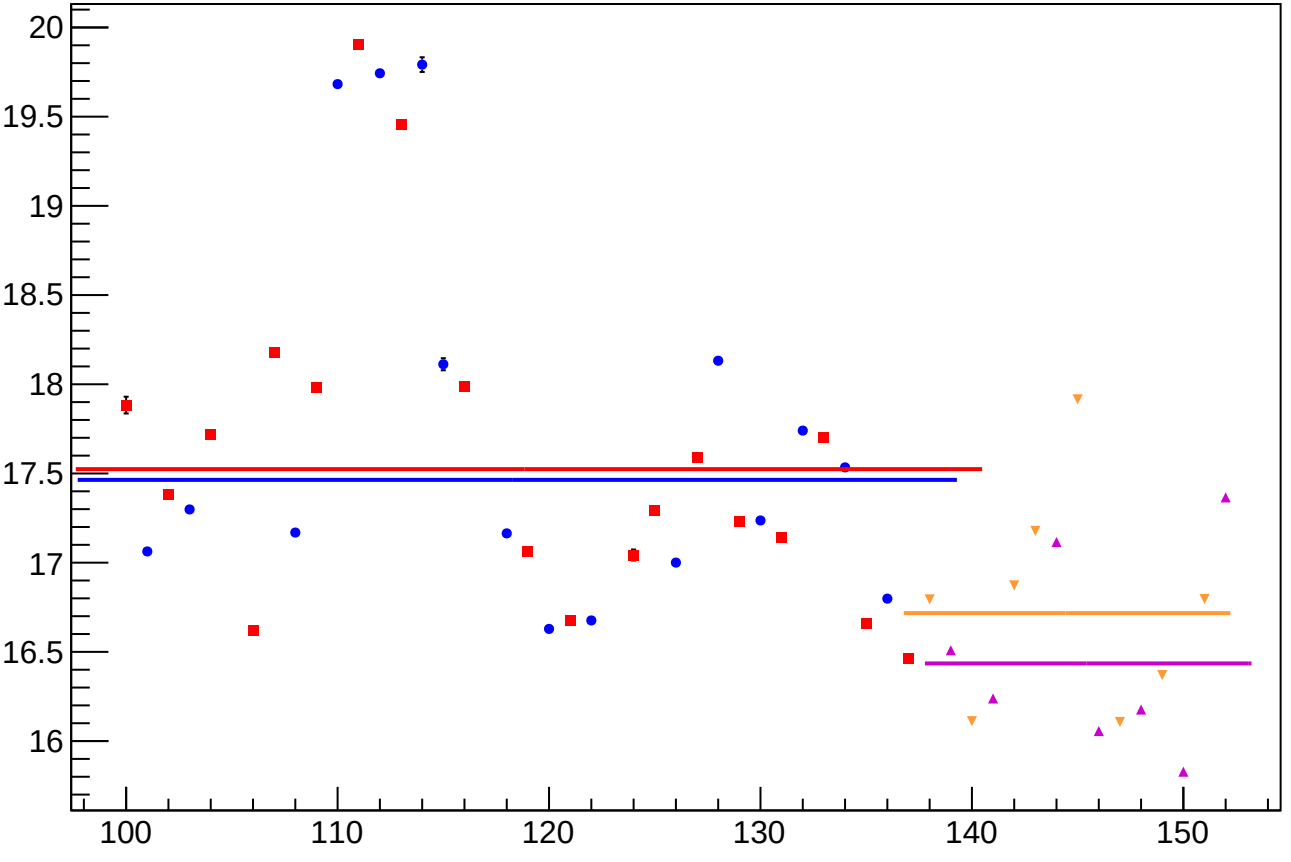
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 3.544+/-4.646 χ^2/NDF:16.6/22

Out: -3.857+/-4.637 χ^2/NDF:20.0/26

All: -0.164+/-3.282 χ^2/NDF: 37.9/49

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: 16.435+/-0.005 χ^2/NDF:12147.0/6

Left: 16.575+/-0.003 χ^2/NDF: 28001.1/14

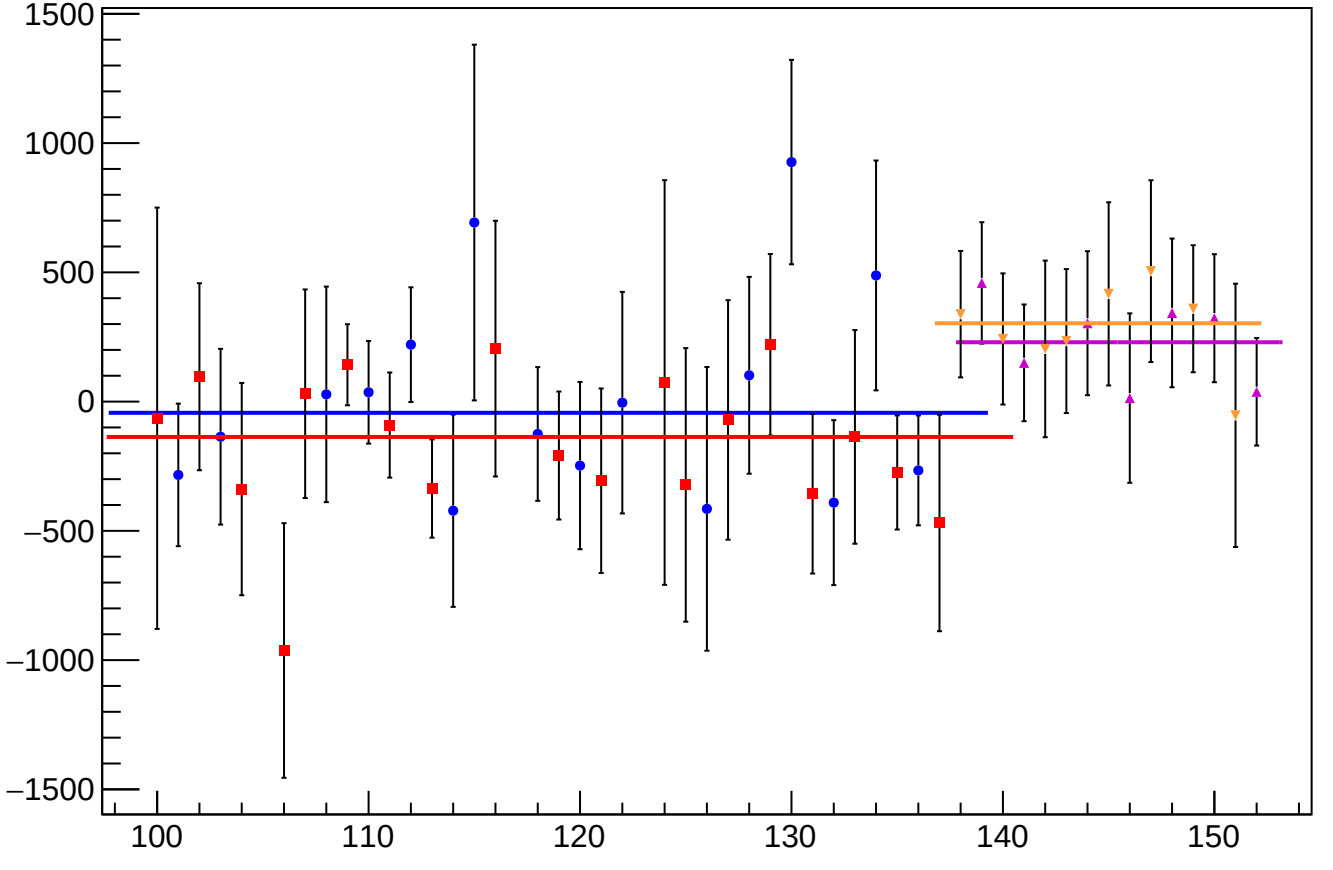
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.961+/-0.003 χ^2/NDF:73304.3/22

Out: 17.141+/-0.003 χ^2/NDF:63910.9/26

All: 17.051+/-0.002 χ^2/NDF: 138709.7/49

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: 229.605+/-94.721 χ^2/NDF:2.7/6

Left: 262.442+/-70.422 χ^2/NDF: 4.2/14

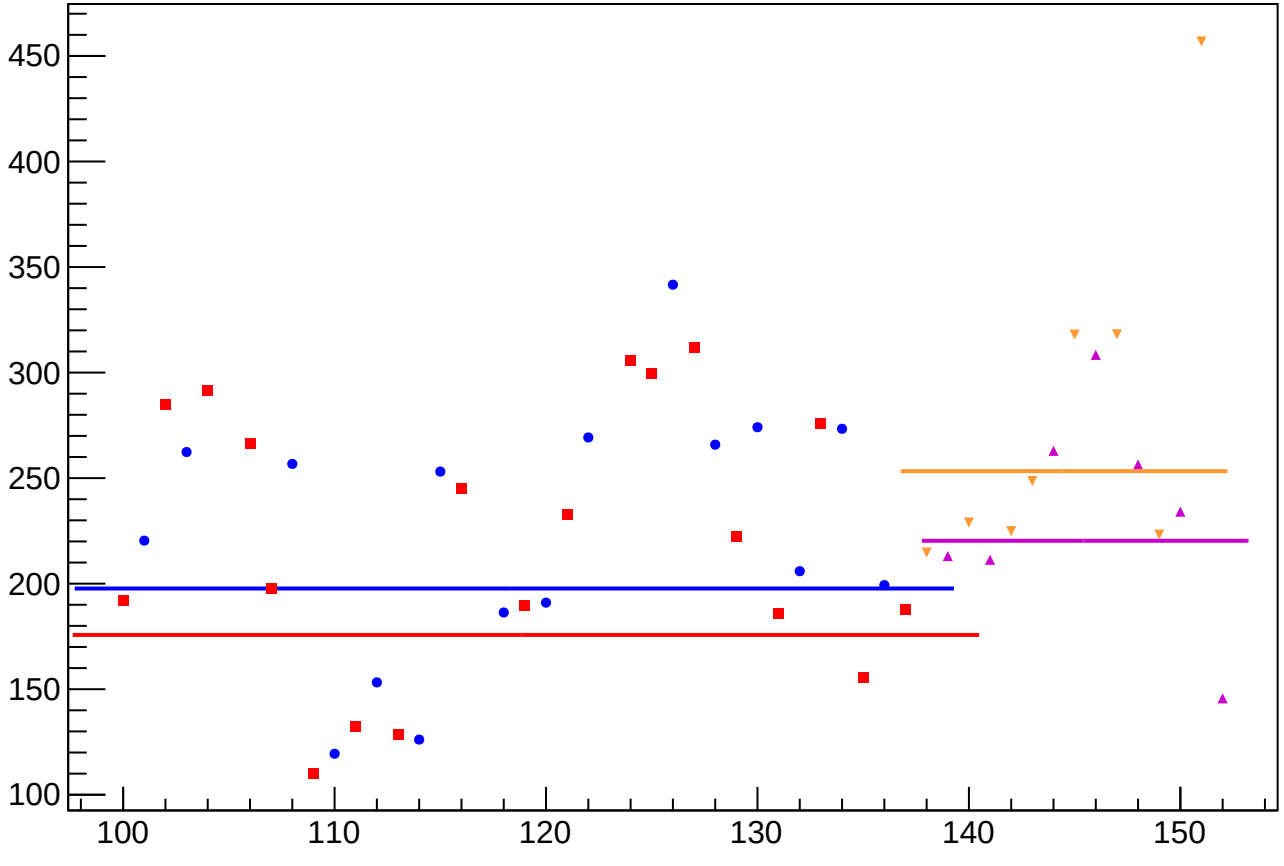
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 66.226+/-60.020 χ^2/NDF:23.2/22

Out: -3.174+/-58.038 χ^2/NDF:24.9/26

All: 30.361+/-41.722 χ^2/NDF: 48.7/49

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: 220.316+/-0.067 χ^2/NDF:491501.9/6

Left: 235.066+/-0.050 χ^2/NDF: 1166729.1/14

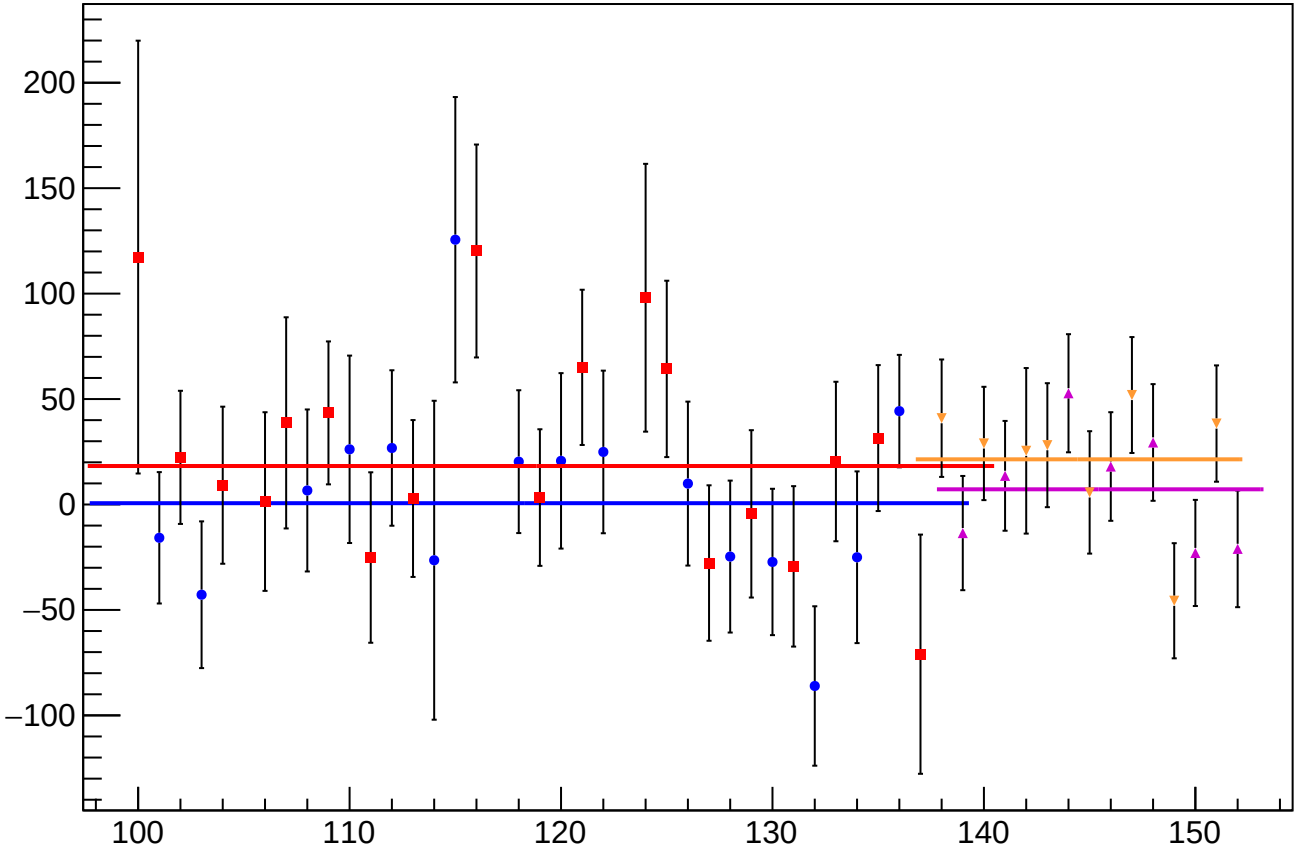
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 206.785+/-0.042 χ^2/NDF:1560019.1/22

Out: 199.283+/-0.041 χ^2/NDF:2913142.2/26

All: 202.908+/-0.030 χ^2/NDF: 4489310.1/49

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: 7.199+/-10.094 χ^2/NDF:6.6/6

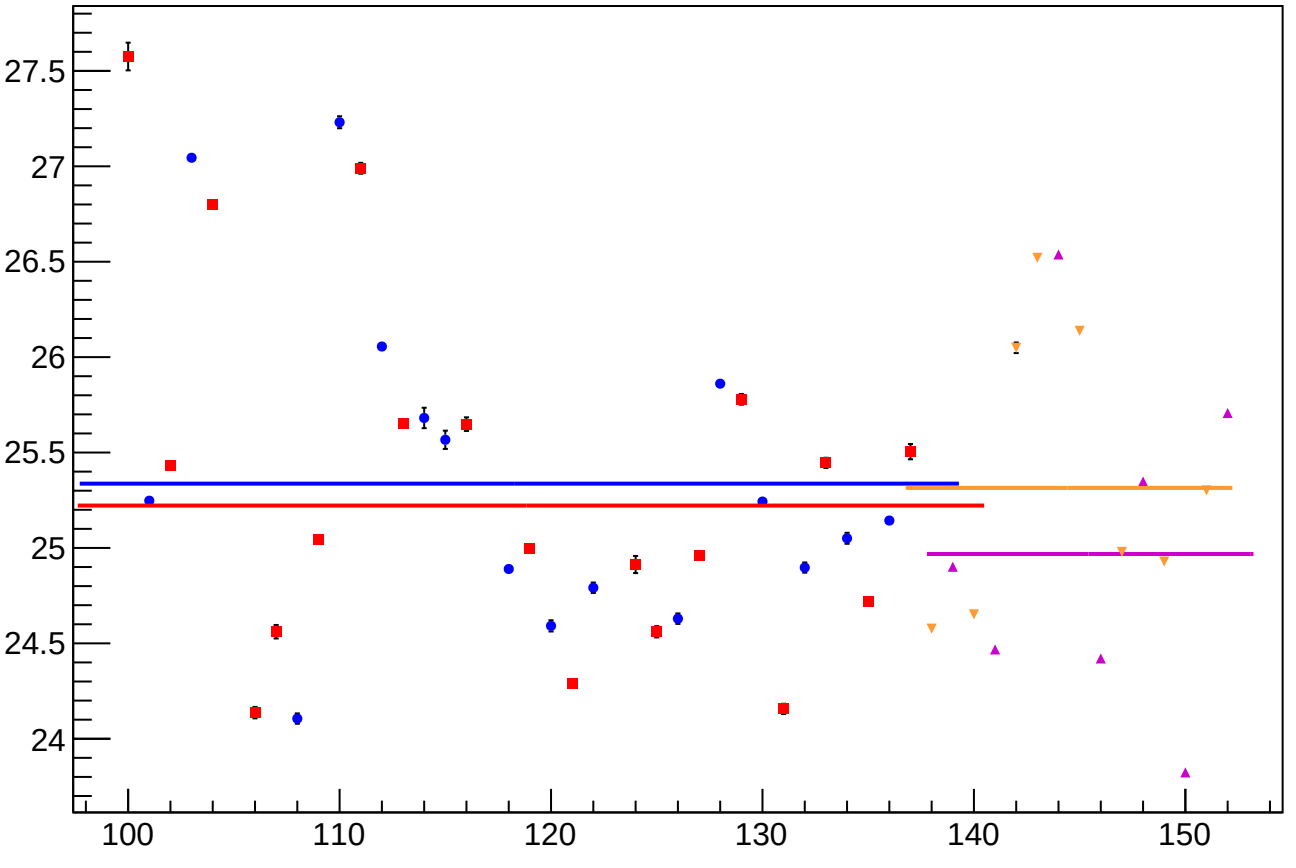
Left: 14.249+/-7.168 χ^2/NDF: 16.1/14

Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 3.683+/-6.888 χ^2/NDF:23.6/22

Out: 19.675+/-6.829 χ^2/NDF:26.6/26

All: 11.747+/-4.849 χ^2/NDF: 52.9/49



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: 24.968+/-0.007 χ^2/NDF:13879.3/6

Left: 25.140+/-0.005 χ^2/NDF: 24038.4/14

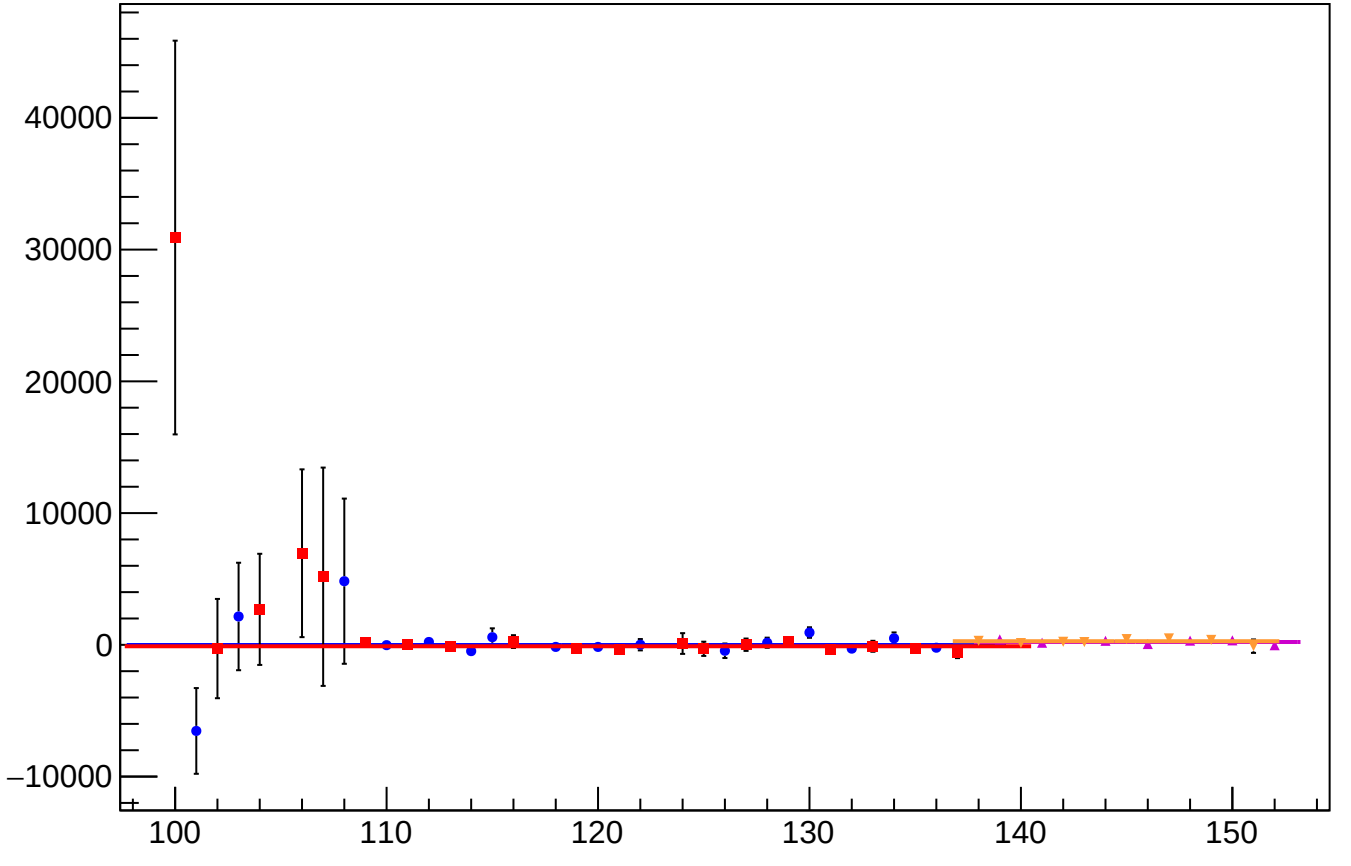
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.165+/-0.005 χ^2/NDF:29619.5/22

Out: 25.264+/-0.005 χ^2/NDF:24308.1/26

All: 25.215+/-0.003 χ^2/NDF: 54133.2/49

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: 215.048+/-95.753 χ^2/NDF:2.8/6

Left: 241.686+/-71.256 χ^2/NDF: 4.6/14

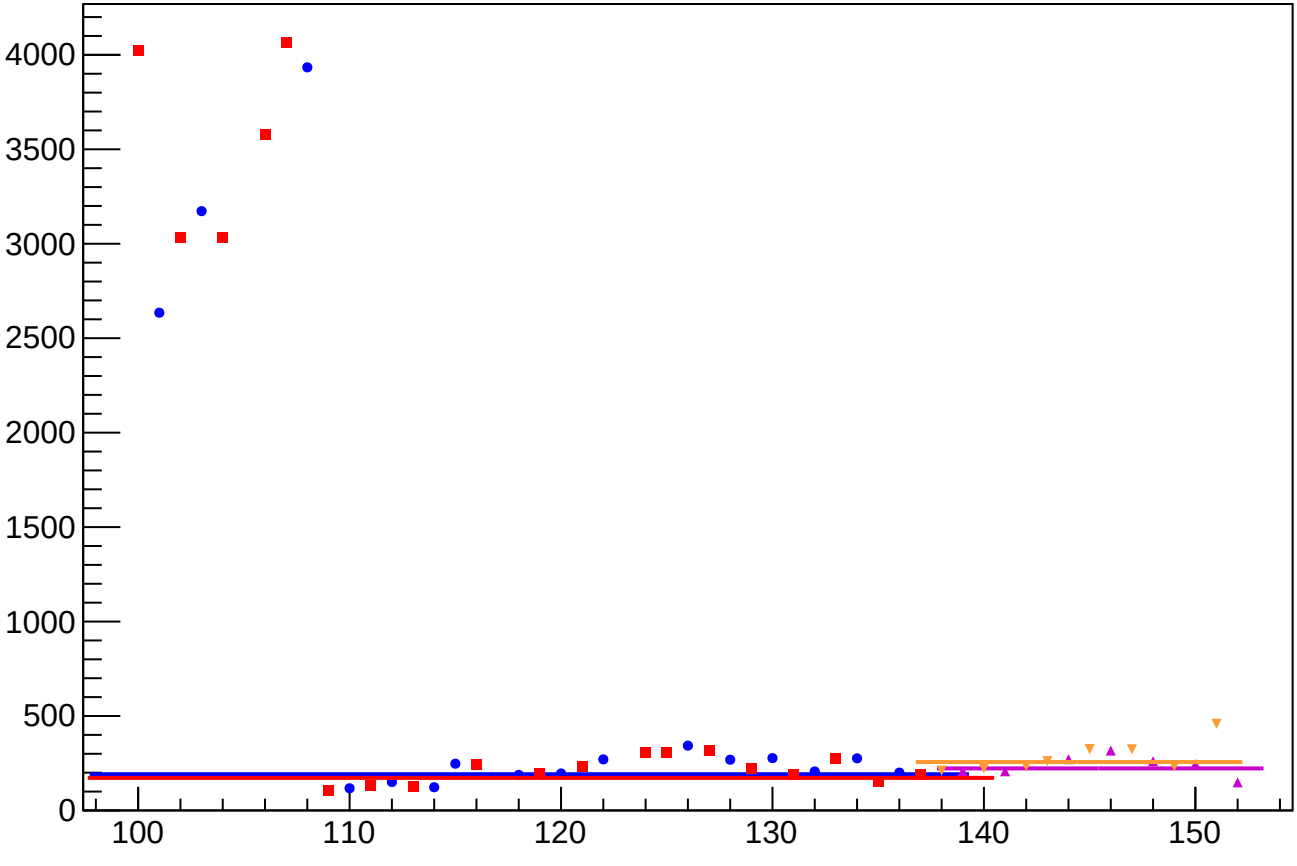
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 85.735+/-63.442 χ^2/NDF:24.4/22

Out: 25.032+/-63.015 χ^2/NDF:24.1/26

All: 55.179+/-44.708 χ^2/NDF: 48.9/49

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: 222.507+/-0.068 χ^2/NDF:523251.7/6

Left: 237.622+/-0.050 χ^2/NDF: 1226135.0/14

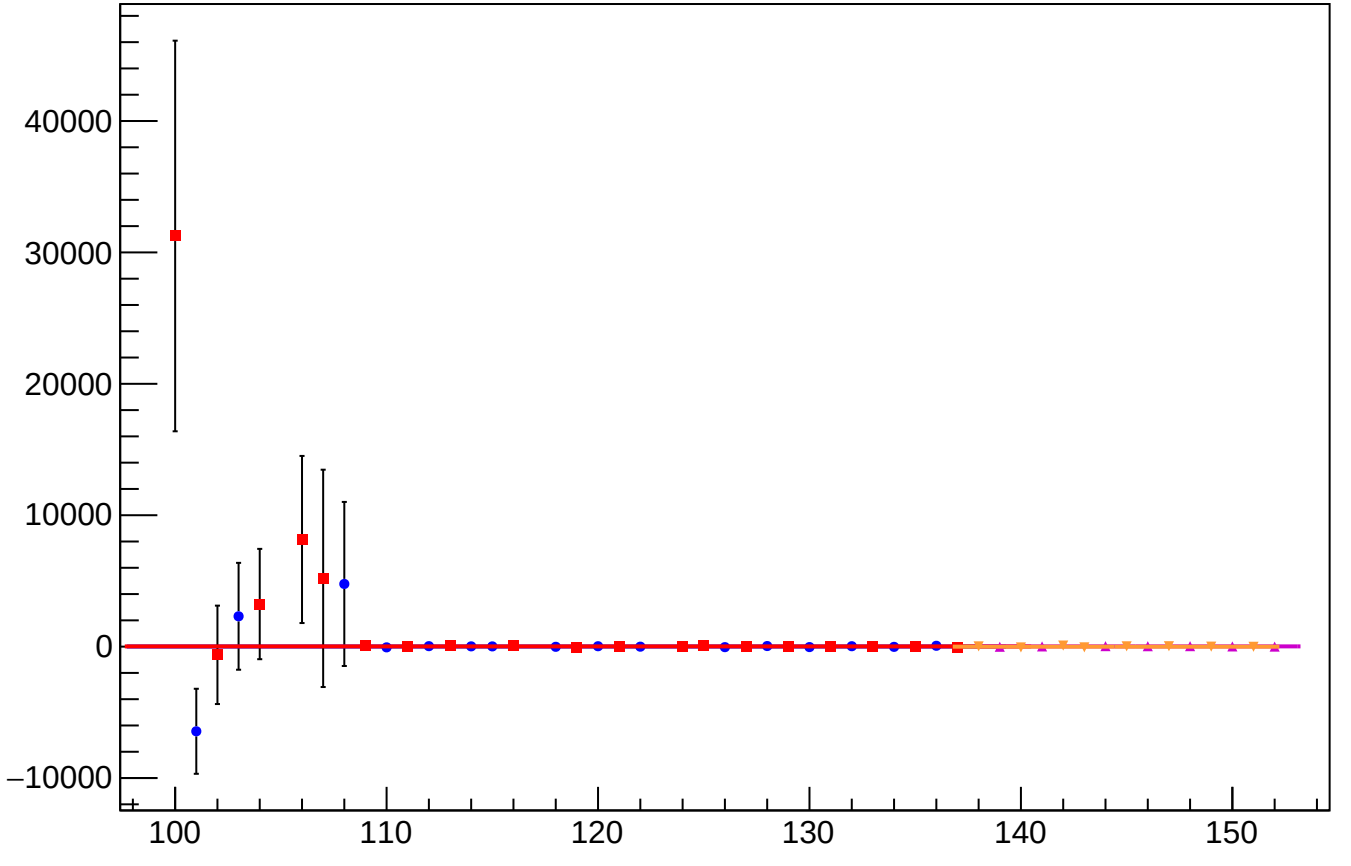
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 205.244+/-0.045 χ^2/NDF:4460935.7/22

Out: 201.748+/-0.045 χ^2/NDF:5700170.3/26

All: 203.484+/-0.032 χ^2/NDF: 10164163.5/49

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: 19.278+/-11.975 χ^2/NDF:2.0/6

Left: 8.440+/-8.416 χ^2/NDF: 14.8/14

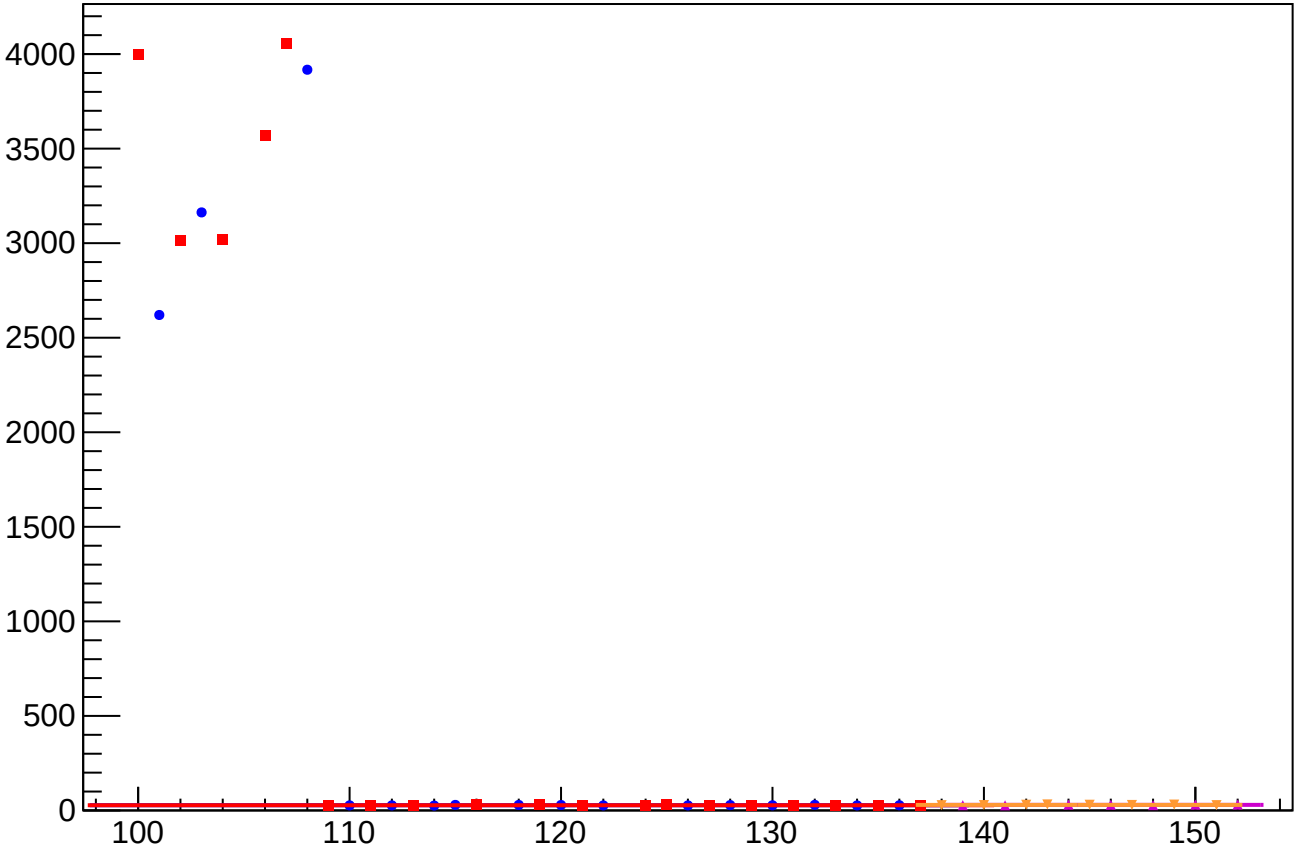
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 14.308+/-8.363 χ^2/NDF:18.3/22

Out: 8.006+/-8.356 χ^2/NDF:37.4/26

All: 11.154+/-5.911 χ^2/NDF: 56.0/49

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: 29.526+/-0.008 χ^2/NDF:39418.0/6

Left: 29.426+/-0.006 χ^2/NDF: 65852.4/14

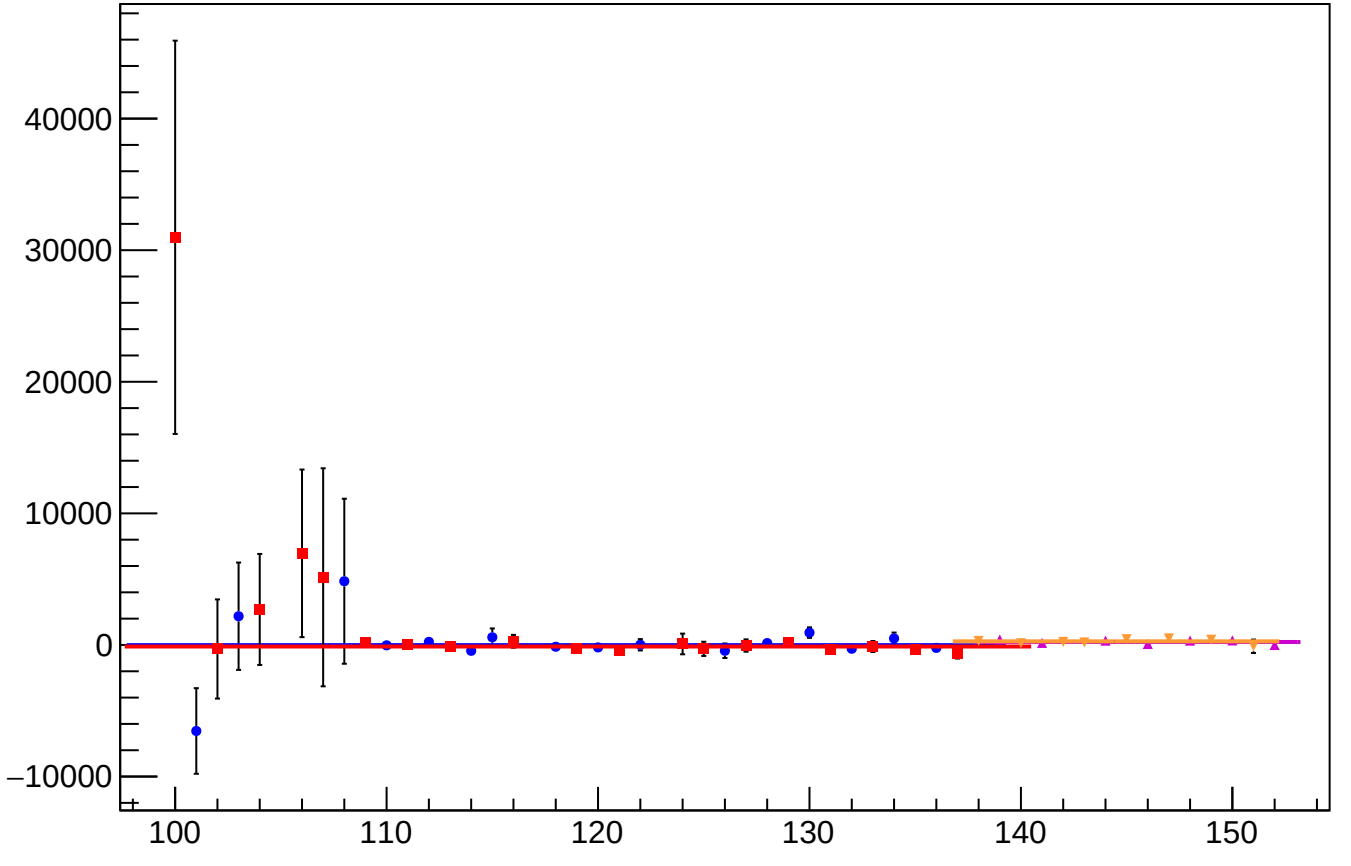
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.561+/-0.006 χ^2/NDF:3330275.9/22

Out: 28.430+/-0.006 χ^2/NDF:3604466.6/26

All: 28.495+/-0.004 χ^2/NDF: 6934985.2/49

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 275.450+/-106.441 χ^2/NDF:1.8/7

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 226.123+/-95.530 χ^2/NDF:2.6/6

Left: 248.129+/-71.096 χ^2/NDF: 4.6/14

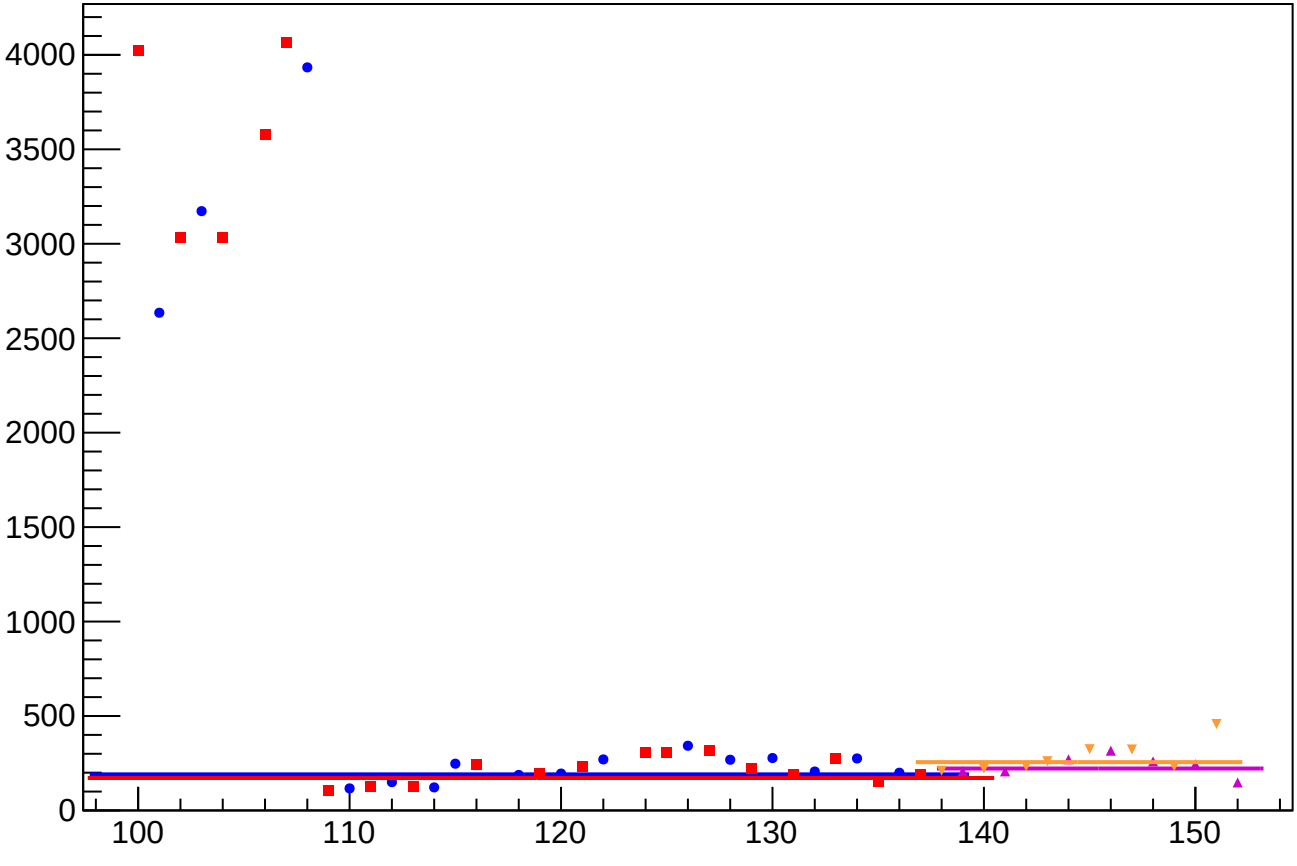
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 91.812+/-63.273 χ^2/NDF:24.5/22

Out: 19.106+/-62.843 χ^2/NDF:25.2/26

All: 55.211+/-44.588 χ^2/NDF: 50.3/49

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: 221.971+/-0.068 χ^2/NDF:524890.2/6

Left: 237.078+/-0.050 χ^2/NDF: 1227986.1/14

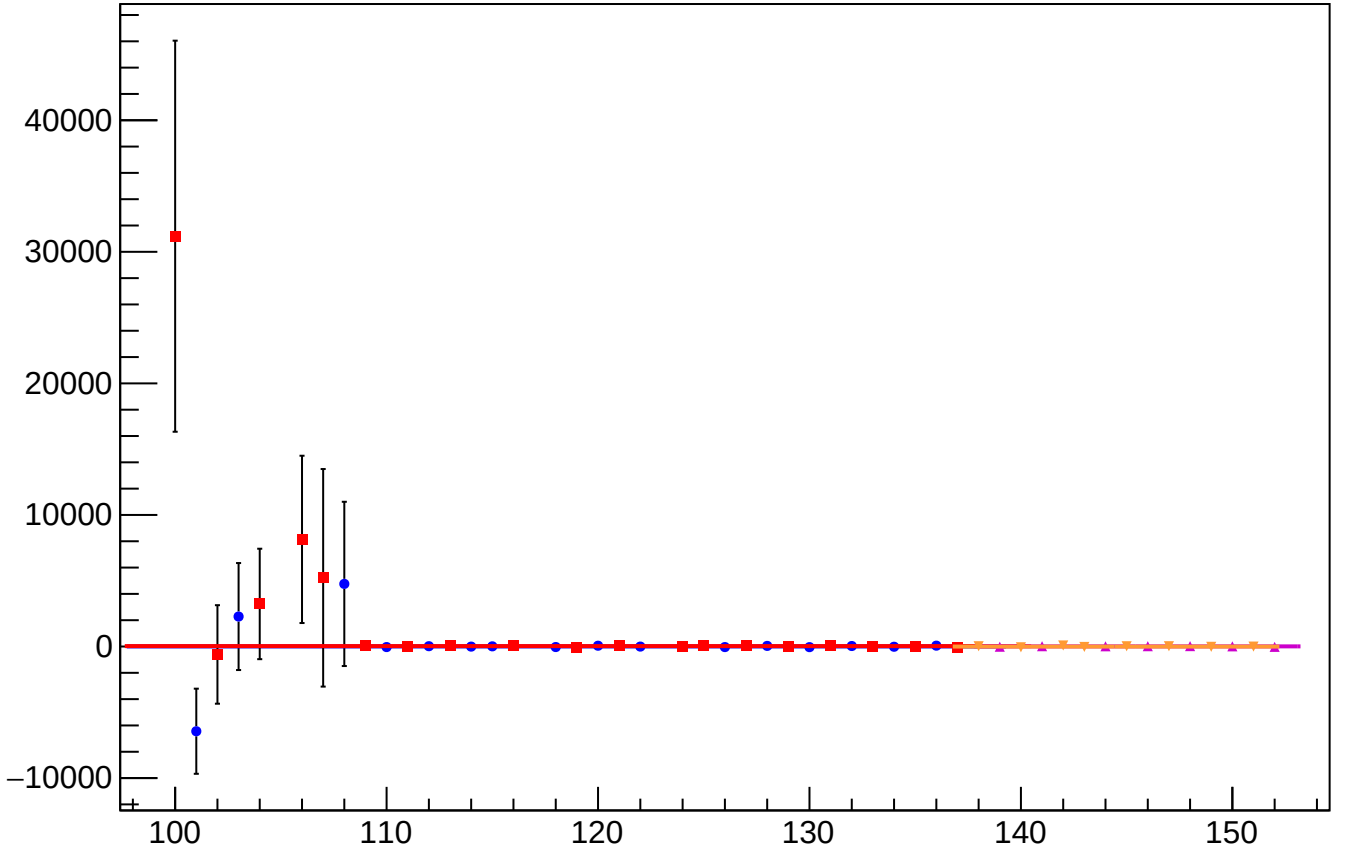
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 204.626+/-0.045 χ^2/NDF:4476303.4/22

Out: 201.115+/-0.044 χ^2/NDF:5717051.1/26

All: 202.858+/-0.032 χ^2/NDF: 10196455.3/49

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: 10.524+/-12.034 χ^2/NDF:2.7/6

Left: 3.519+/-8.463 χ^2/NDF: 12.4/14

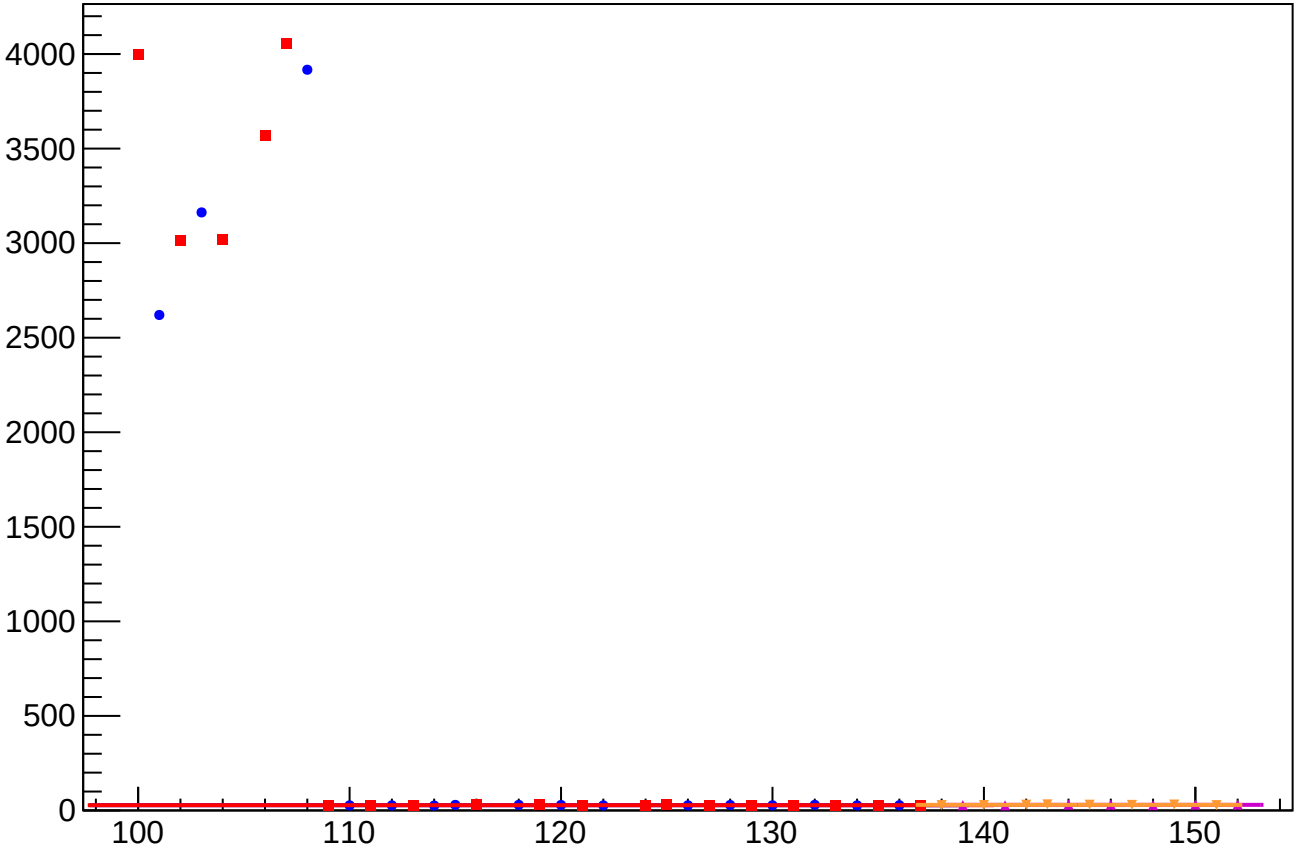
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 8.461+/-8.412 χ^2/NDF:21.1/22

Out: 13.817+/-8.417 χ^2/NDF:33.1/26

All: 11.138+/-5.950 χ^2/NDF: 54.4/49

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: 29.679+/-0.009 χ^2/NDF:40158.3/6

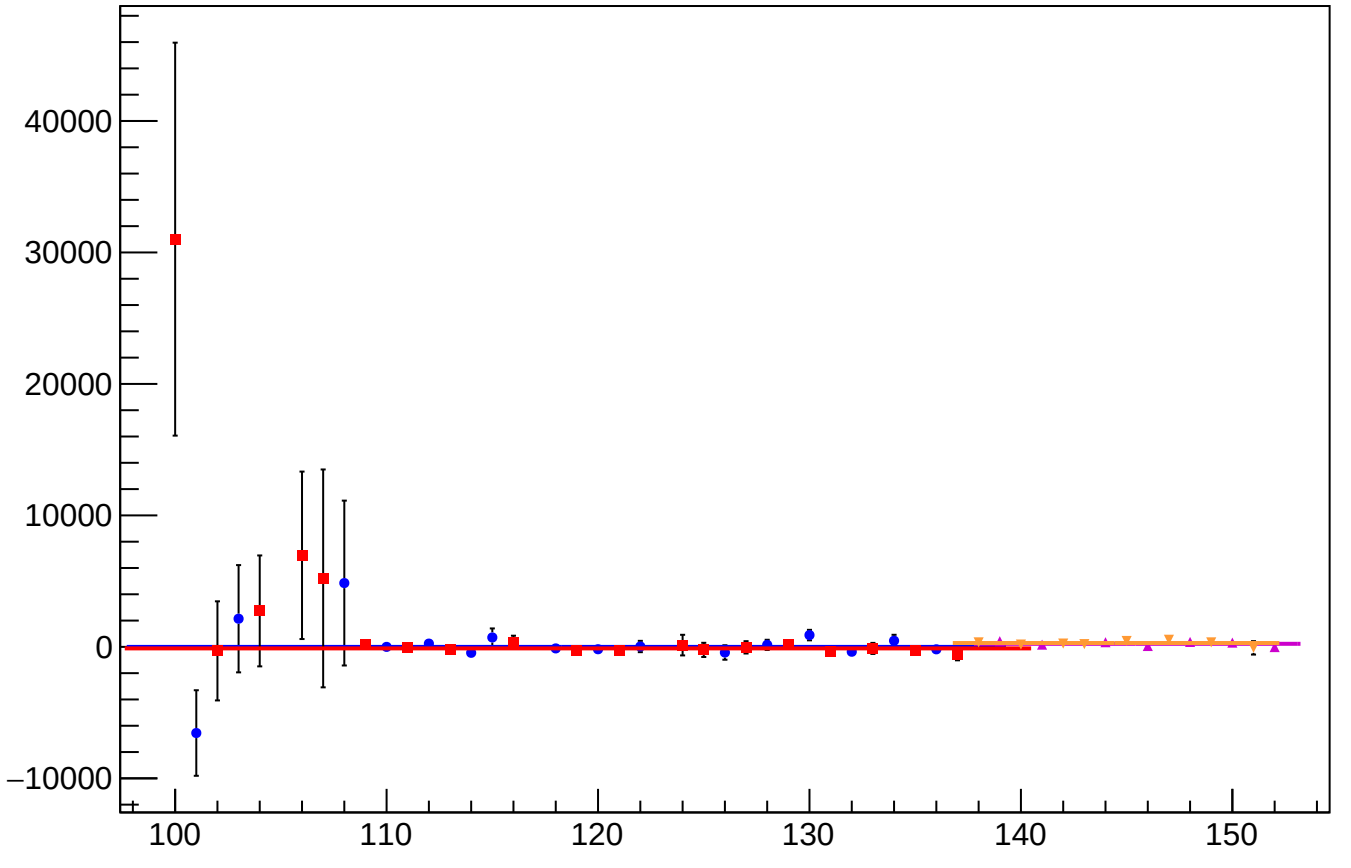
Left: 29.594+/-0.006 χ^2/NDF: 67931.0/14

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.731+/-0.006 χ^2/NDF:3330322.4/22

Out: 28.633+/-0.006 χ^2/NDF:3608084.3/26

All: 28.682+/-0.004 χ^2/NDF: 6938542.7/49



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: 232.644+/-96.541 χ^2/NDF:3.0/6

Left: 259.590+/-71.883 χ^2/NDF: 4.7/14

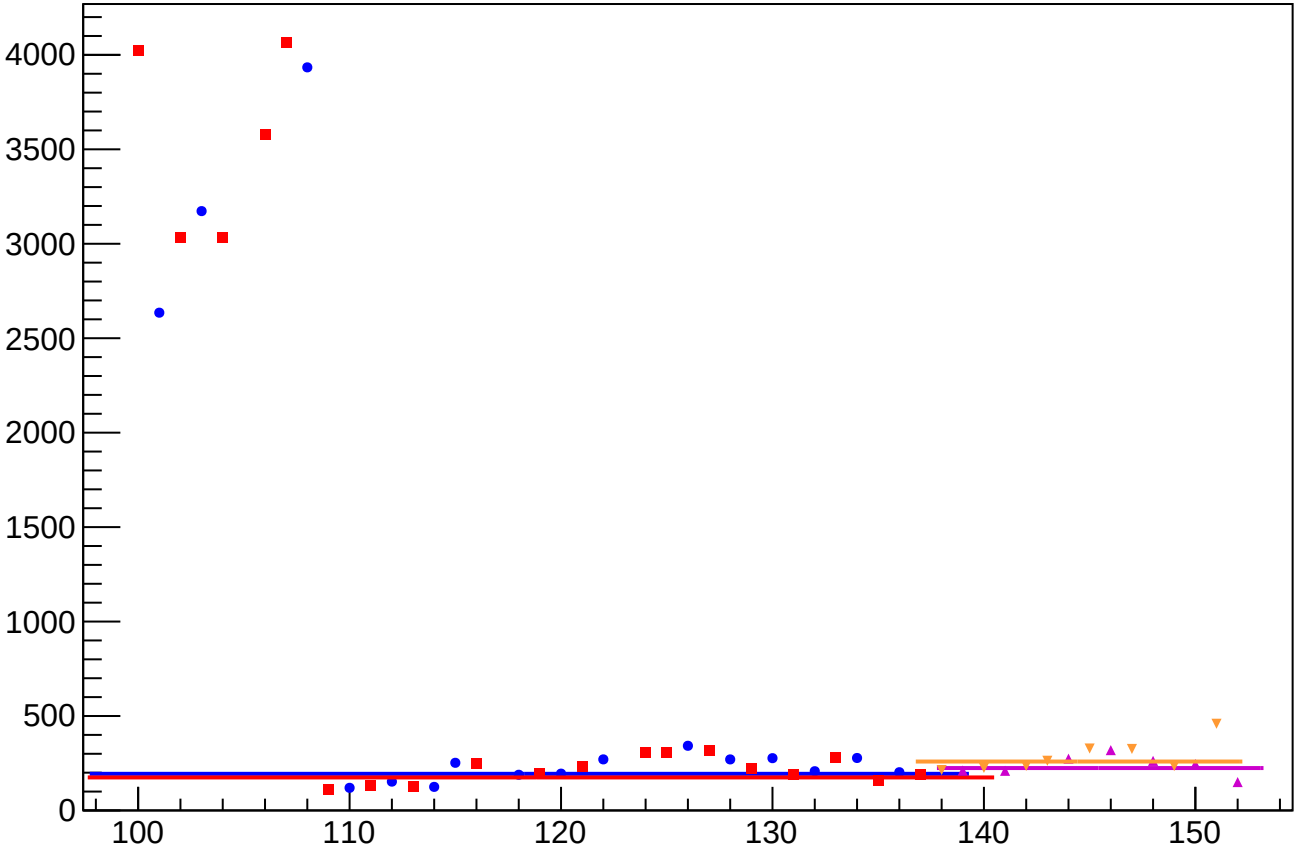
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 100.708+/-64.010 χ^2/NDF:24.5/22

Out: 27.193+/-63.673 χ^2/NDF:24.7/26

All: 63.756+/-45.142 χ^2/NDF: 49.9/49

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: 224.455+/-0.068 χ^2/NDF:519957.2/6

Left: 239.844+/-0.051 χ^2/NDF: 1212365.2/14

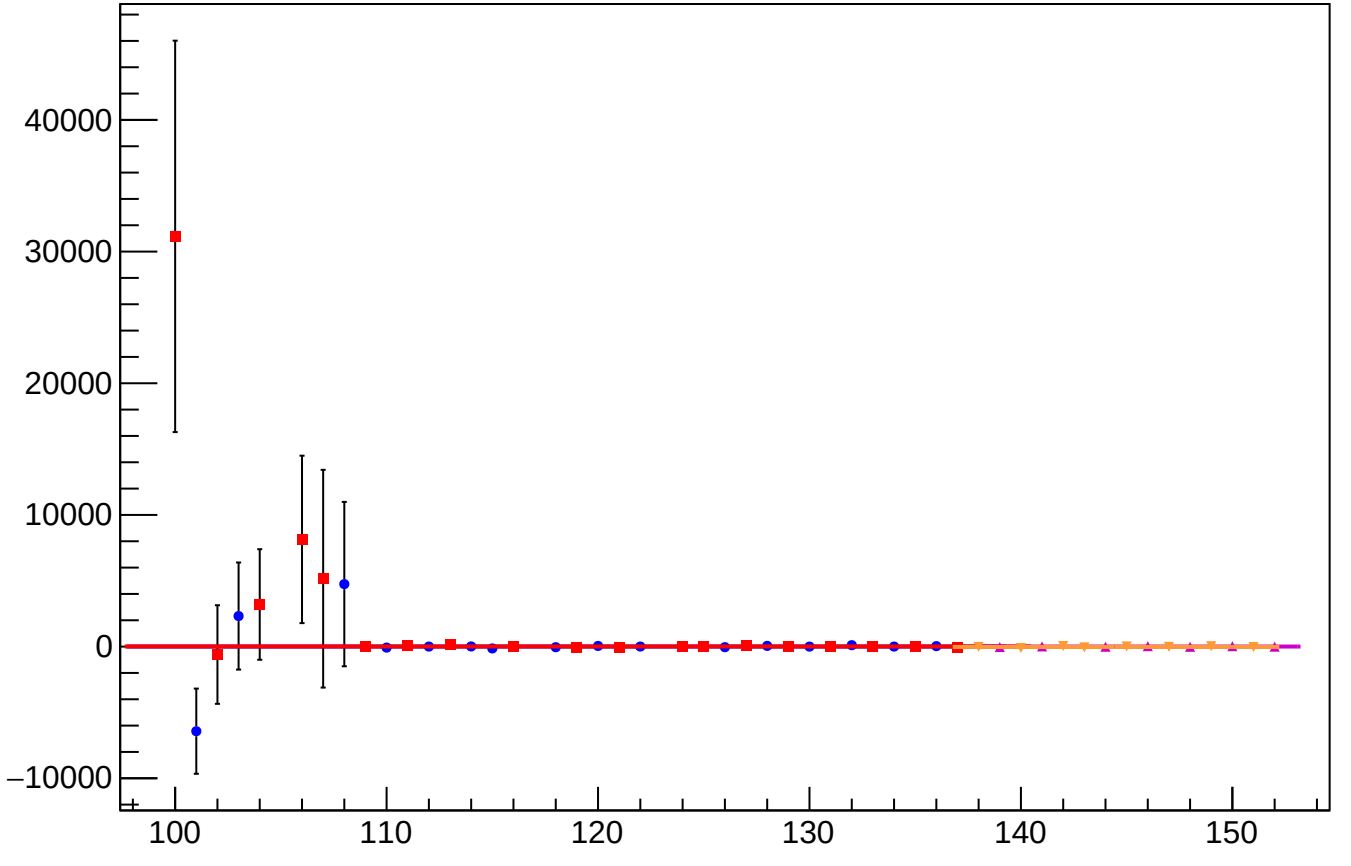
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 207.358+/-0.045 χ^2/NDF:4416351.7/22

Out: 204.221+/-0.045 χ^2/NDF:5633170.8/26

All: 205.781+/-0.032 χ^2/NDF: 10051937.5/49

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -25.254+/-14.040 χ^2/NDF:9.8/7

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 3.772+/-14.200 χ^2/NDF:2.5/6

Left: -10.906+/-9.984 χ^2/NDF: 14.3/14

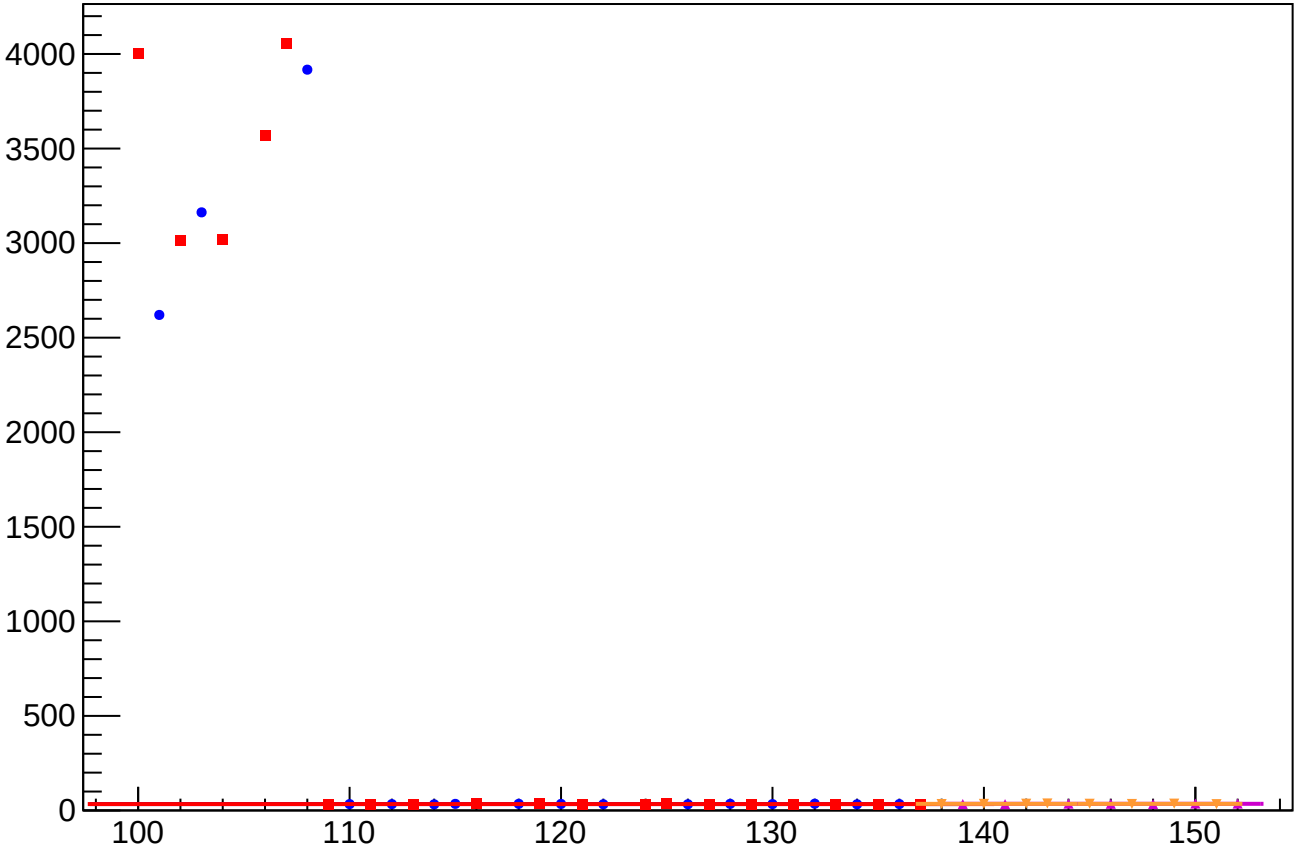
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 4.709+/-10.078 χ^2/NDF:19.9/22

Out: -8.112+/-10.064 χ^2/NDF:36.3/26

All: -1.710+/-7.121 χ^2/NDF: 57.0/49

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: 35.103+/-0.010 χ^2/NDF:14221.4/6

Left: 34.988+/-0.007 χ^2/NDF: 27502.6/14

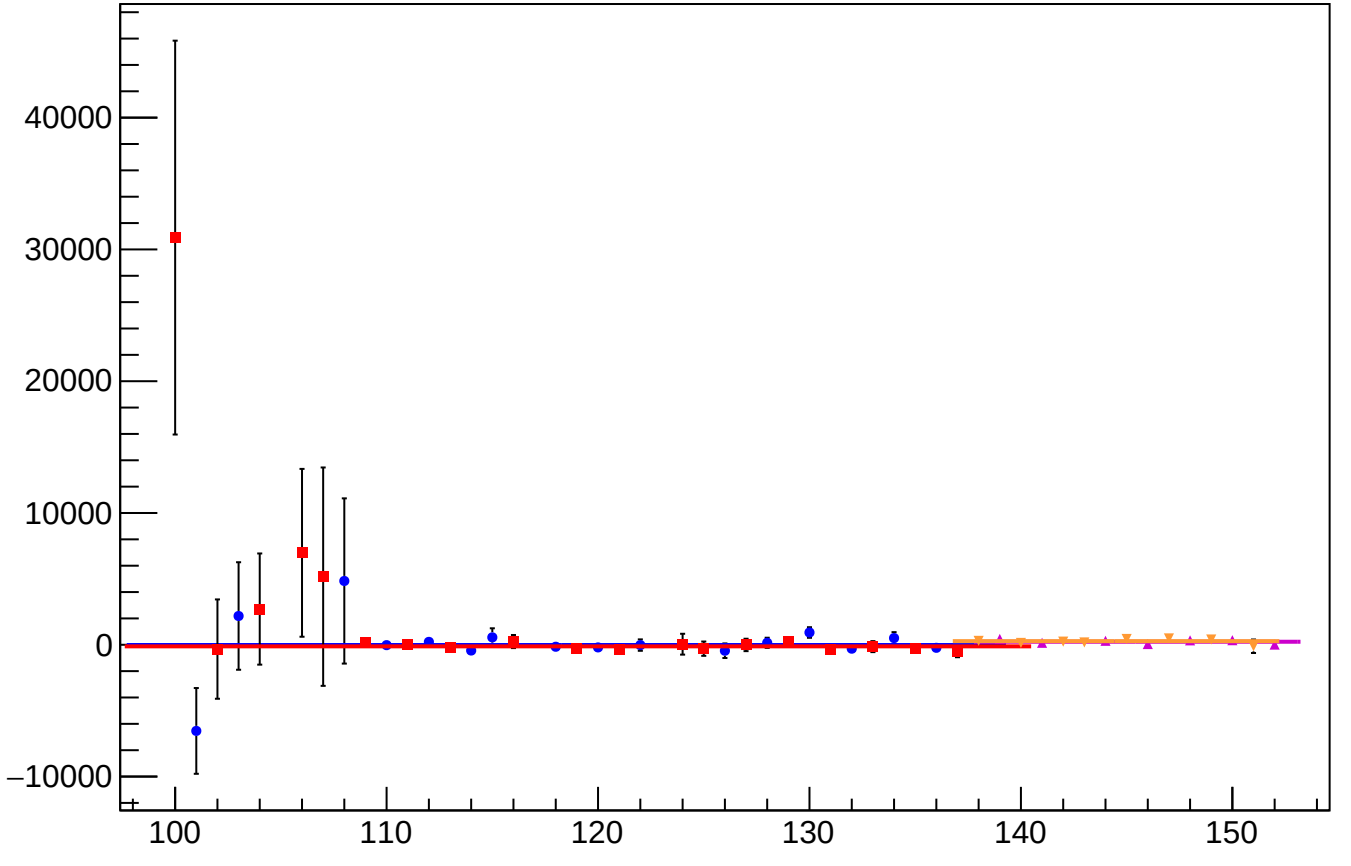
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.506+/-0.007 χ^2/NDF:3265735.8/22

Out: 34.316+/-0.007 χ^2/NDF:3545993.0/26

All: 34.411+/-0.005 χ^2/NDF: 6812082.8/49

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: 229.828+/-96.071 χ^2/NDF:2.7/6

Left: 250.134+/-71.460 χ^2/NDF: 4.6/14

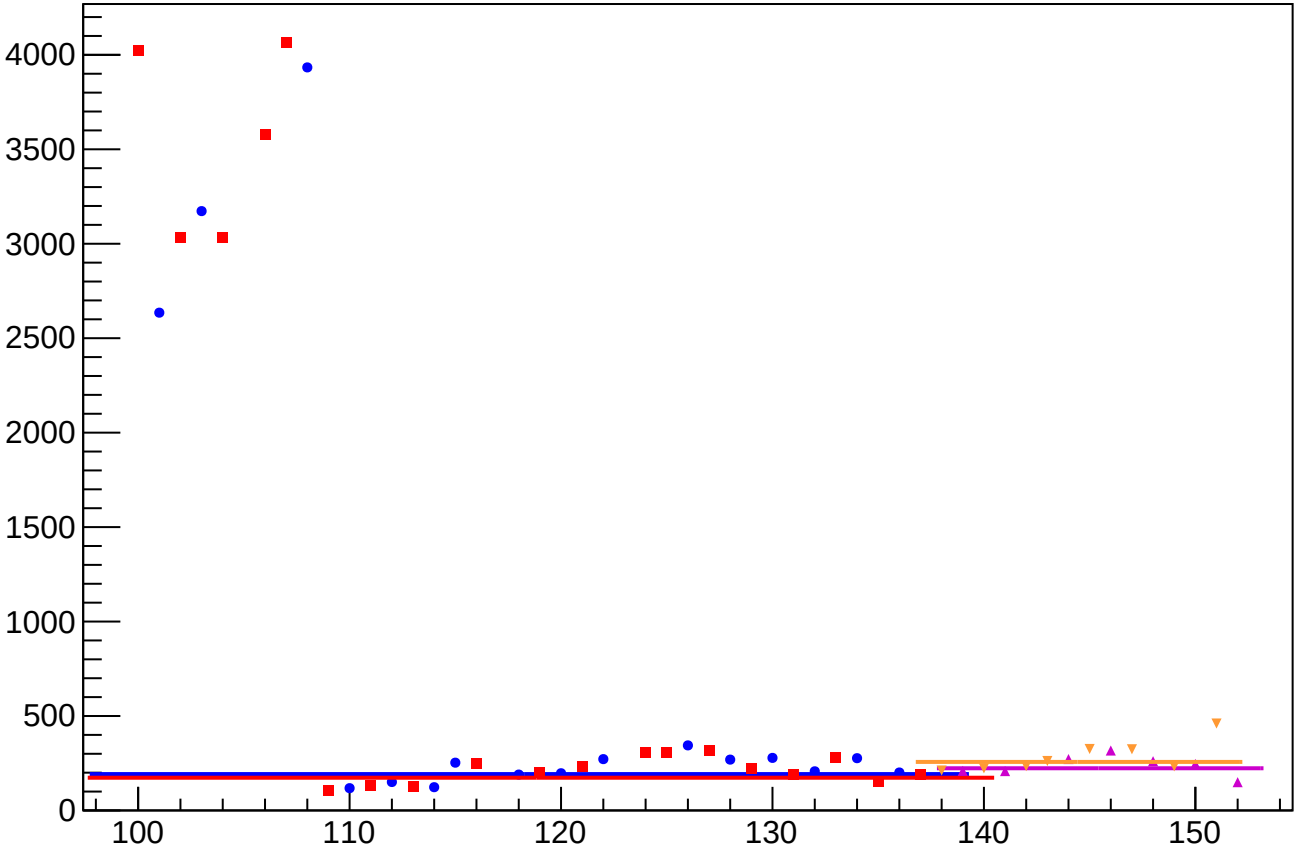
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 90.056+/-63.686 χ^2/NDF:24.7/22

Out: 18.398+/-63.253 χ^2/NDF:24.0/26

All: 53.982+/-44.879 χ^2/NDF: 49.2/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 256.976+/-0.076 χ^2/NDF:591333.7/7

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 223.313+/-0.068 χ^2/NDF:518088.5/6

Left: 238.351+/-0.051 χ^2/NDF: 1219116.0/14

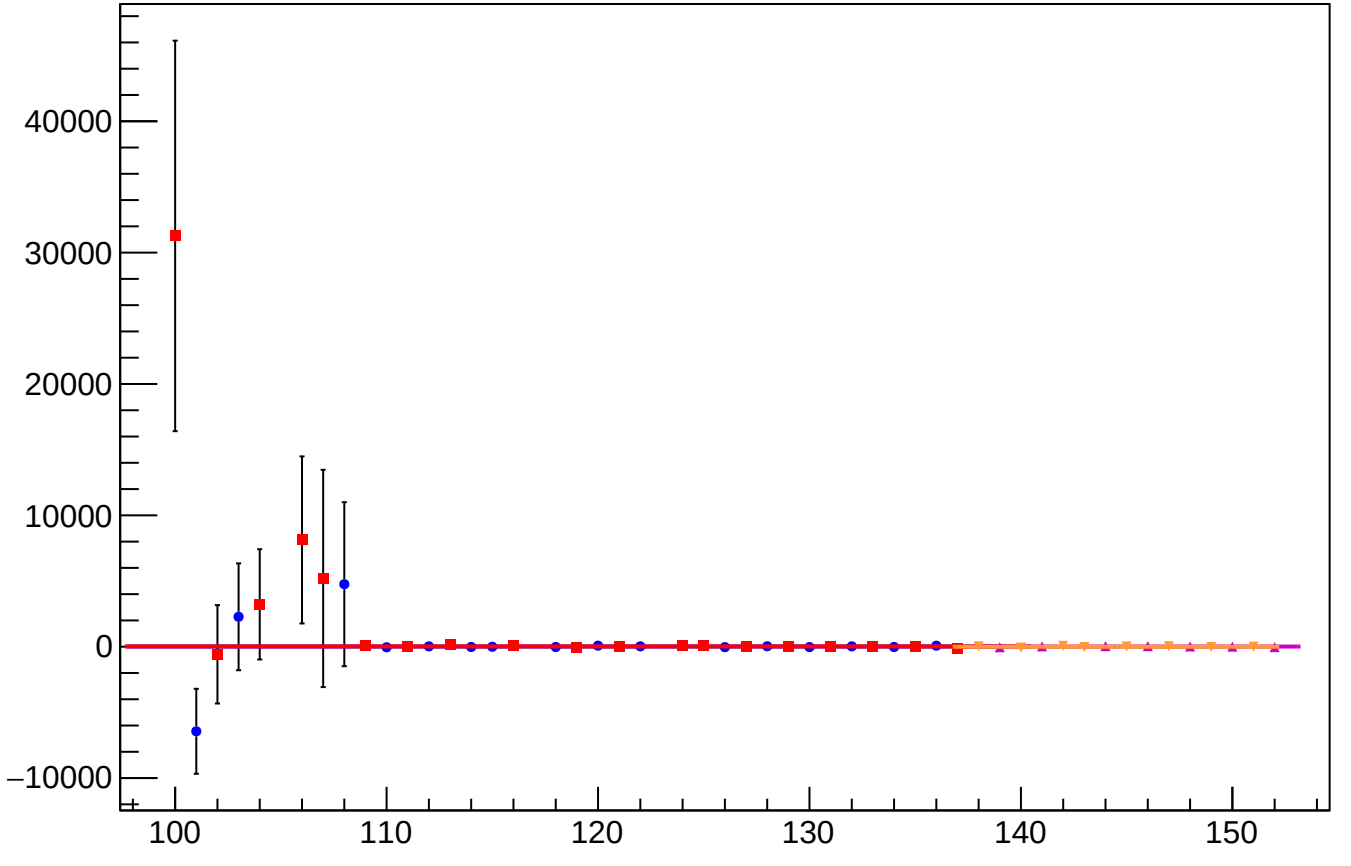
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 206.074+/-0.045 χ^2/NDF:4455753.9/22

Out: 202.553+/-0.045 χ^2/NDF:5695973.6/26

All: 204.302+/-0.032 χ^2/NDF: 10154806.1/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -3.050+/-12.951 χ^2/NDF:7.8/7

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 11.151+/-13.035 χ^2/NDF:5.8/6

Left: 4.005+/-9.187 χ^2/NDF: 14.2/14

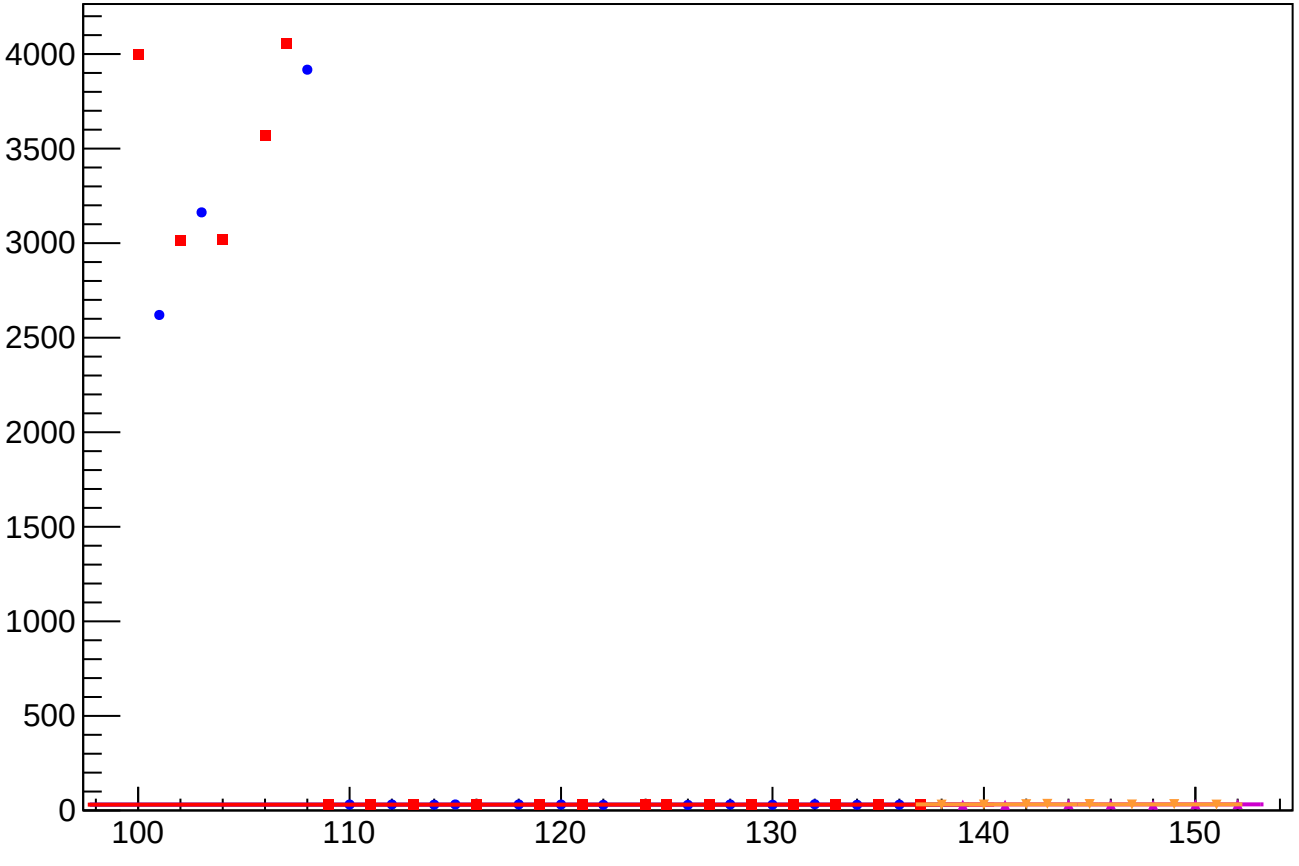
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 12.429+/-9.227 χ^2/NDF:21.3/22

Out: 9.859+/-9.238 χ^2/NDF:38.5/26

All: 11.146+/-6.528 χ^2/NDF: 59.9/49

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: 32.158+/-0.009 χ^2/NDF:28224.9/6

Left: 32.142+/-0.006 χ^2/NDF: 53202.0/14

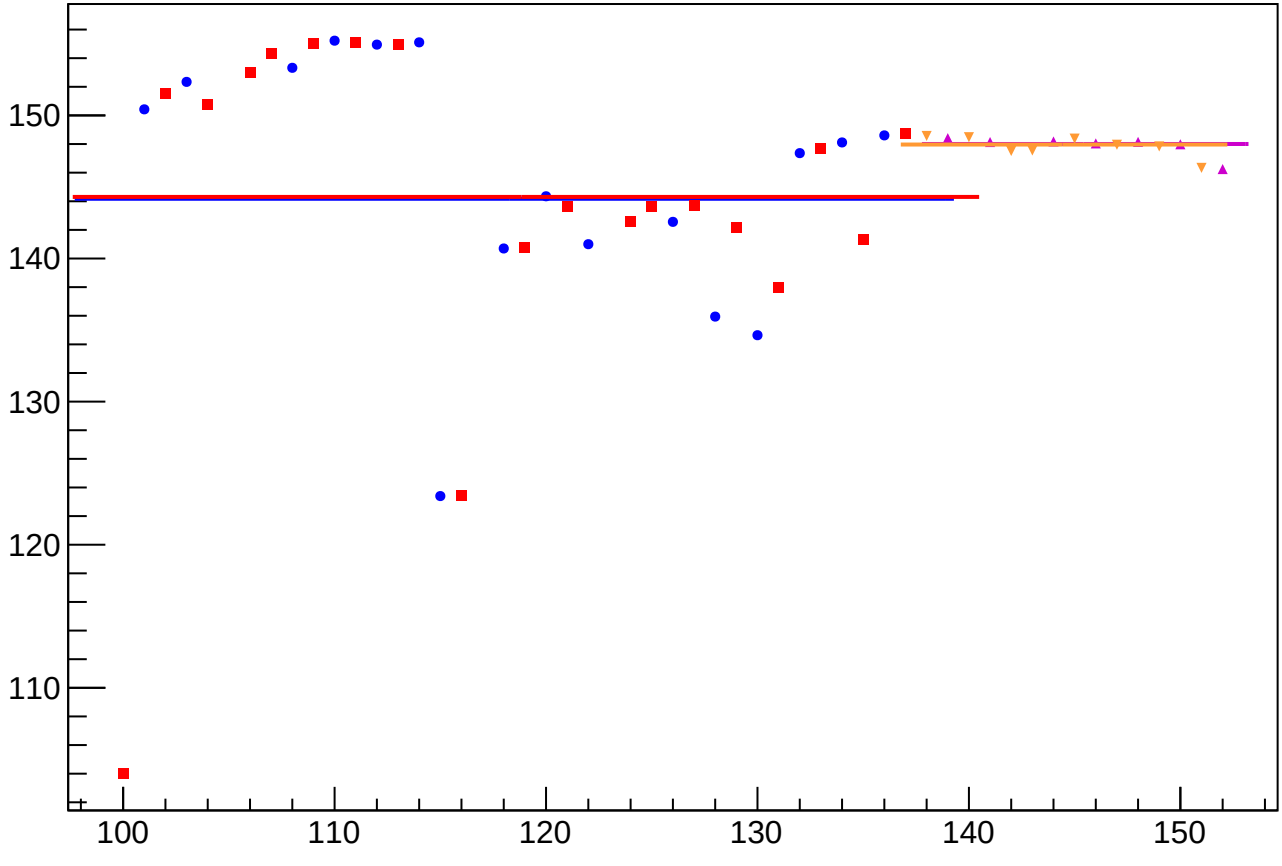
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.544+/-0.007 χ^2/NDF:3289706.7/22

Out: 31.464+/-0.007 χ^2/NDF:3571885.2/26

All: 31.504+/-0.005 χ^2/NDF: 6861667.6/49

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: 148.004+/-0.000 χ^2/NDF:13738070.0/6

Left: 147.983+/-0.000 χ^2/NDF: 32059939.5/14

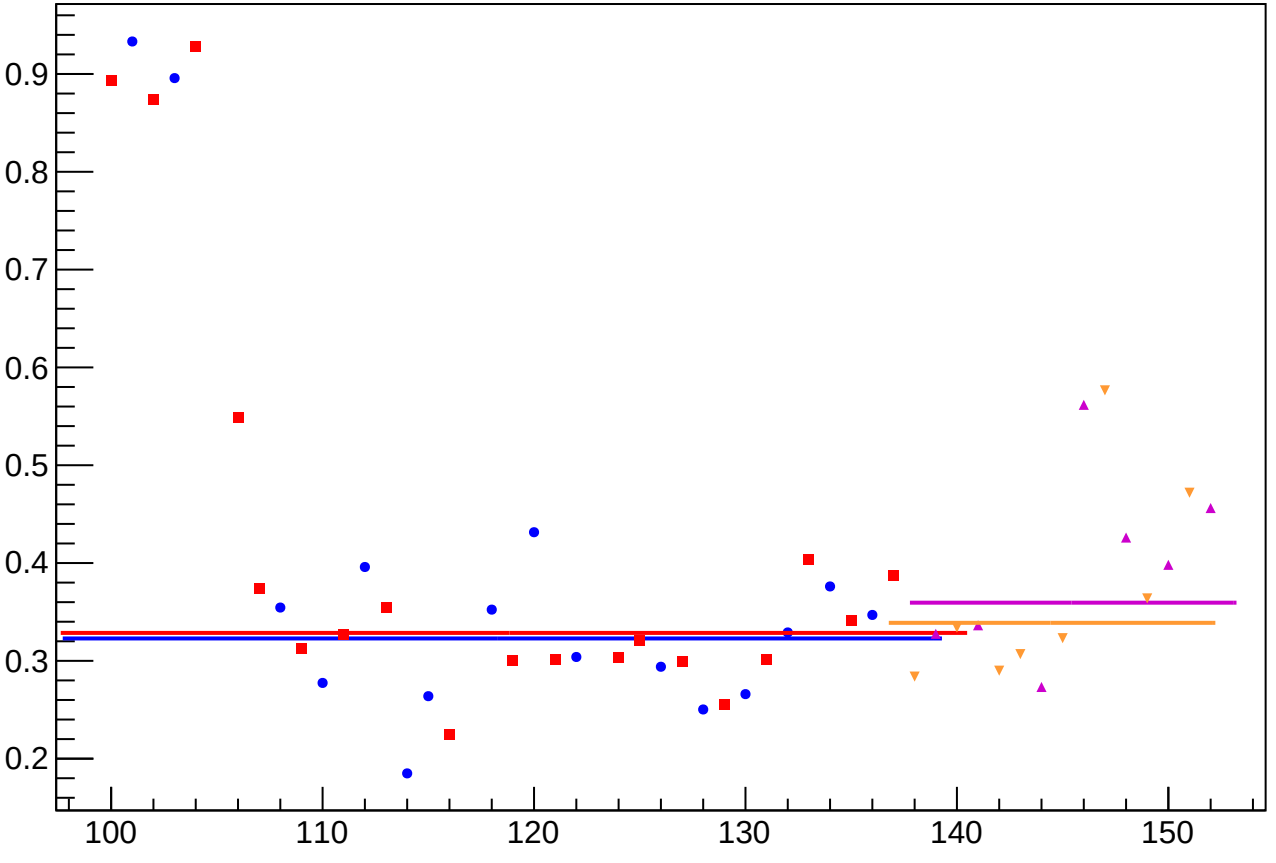
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.822+/-0.000 χ^2/NDF:4098033011.6/22

Out: 146.006+/-0.000 χ^2/NDF:4634516234.9/26

All: 145.917+/-0.000 χ^2/NDF: 8734286319.8

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: 0.359+/-0.000 χ^2/NDF:540865.6/6

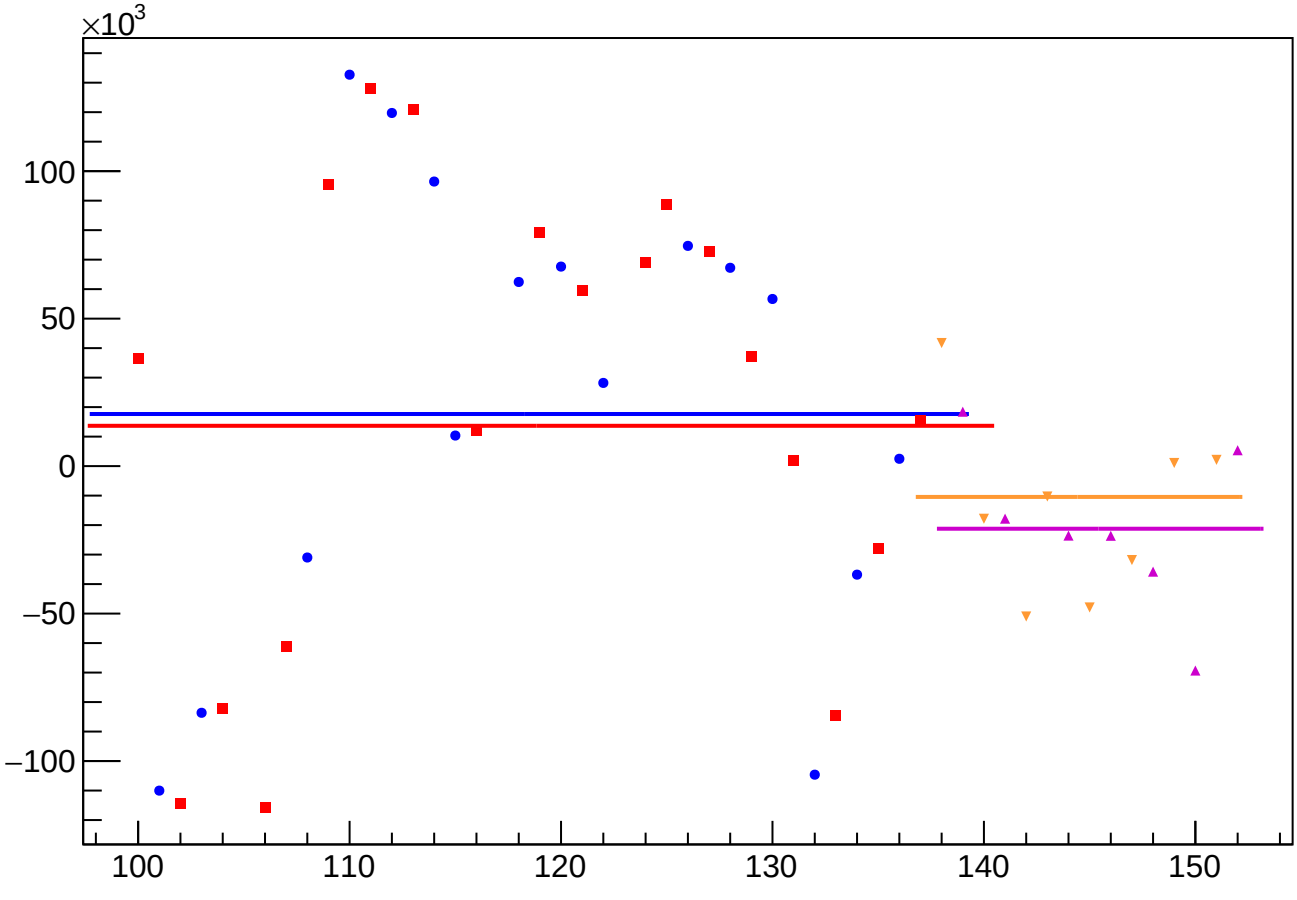
Left: 0.349+/-0.000 χ^2/NDF: 1053779.2/14

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.339+/-0.000 χ^2/NDF:2002589.8/22

Out: 0.333+/-0.000 χ^2/NDF:1803169.9/26

All: 0.336+/-0.000 χ^2/NDF: 3808608.8/49



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: -21231.733+/-2.061 χ^2/NDF:183405452.7/6

Left: -15802.056+/-1.453 χ^2/NDF: 389195560.8/14

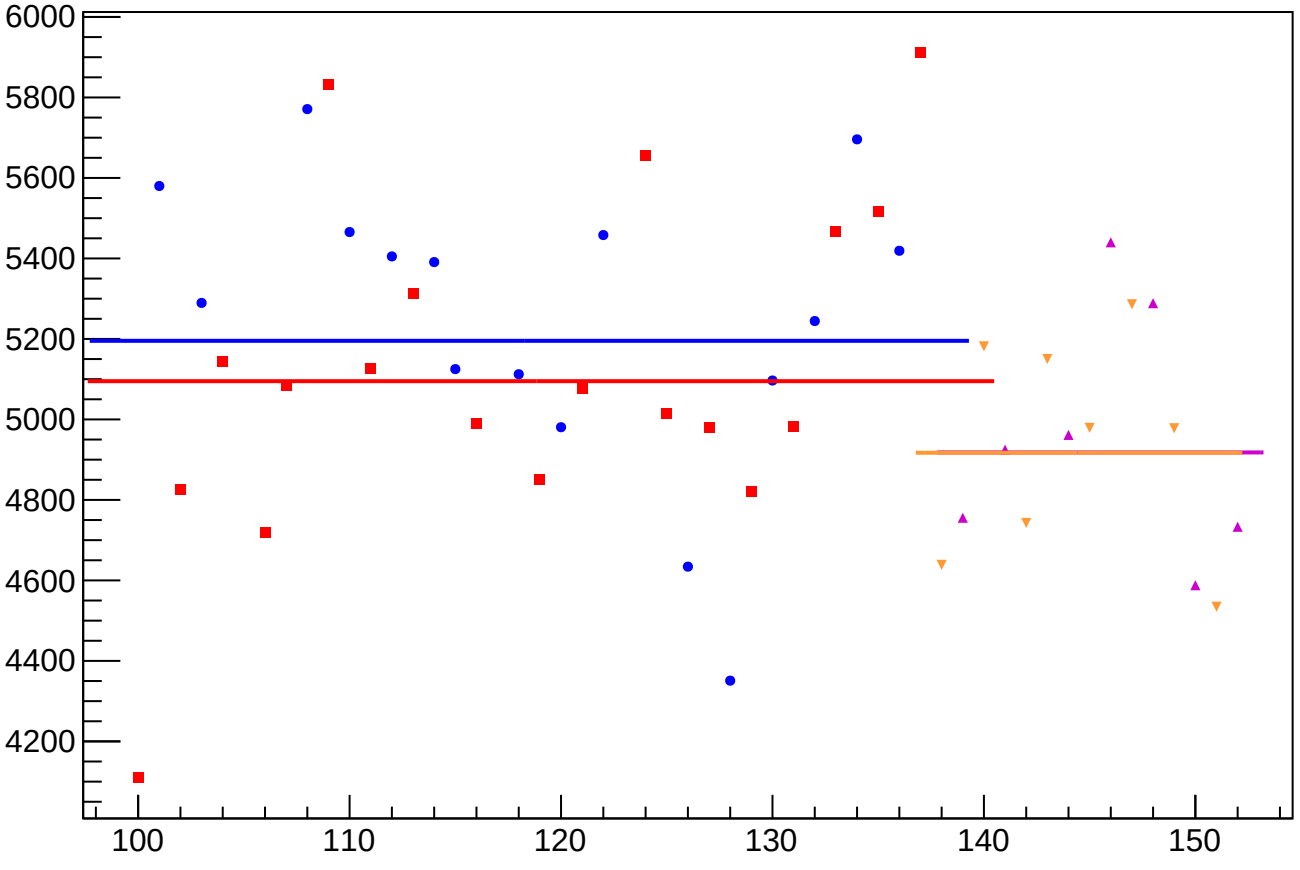
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: -1250.008+/-1.437 χ^2/NDF:1765047674.8/22

Out: 2350.222+/-1.402 χ^2/NDF:2122617036.9/26

All: 594.654+/-1.004 χ^2/NDF: 3890878796.6

yield_bcm_an_diff_rms vs Slug, Sign Corrected



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: 4917.958+/-1.458 χ^2/NDF:35836.7/6

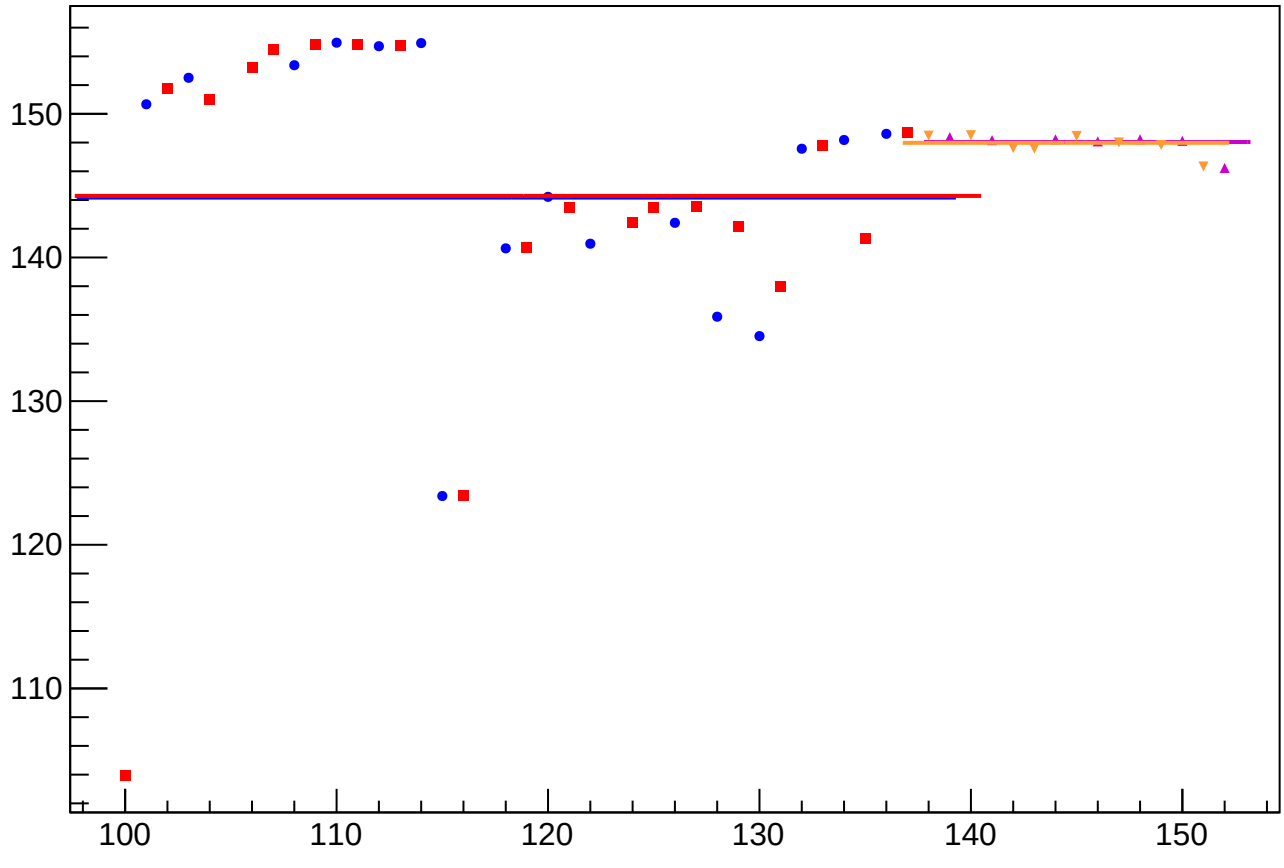
Left: 4917.573+/-1.027 χ^2/NDF: 68910.6/14

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 5060.436+/-1.016 χ^2/NDF:131601.2/22

Out: 5011.584+/-0.992 χ^2/NDF:100198.2/26

All: 5035.406+/-0.710 χ^2/NDF: 232982.9/49



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: 148.040+/-0.000 χ^2/NDF:14417647.1/6

Left: 148.009+/-0.000 χ^2/NDF: 32248235.8/14

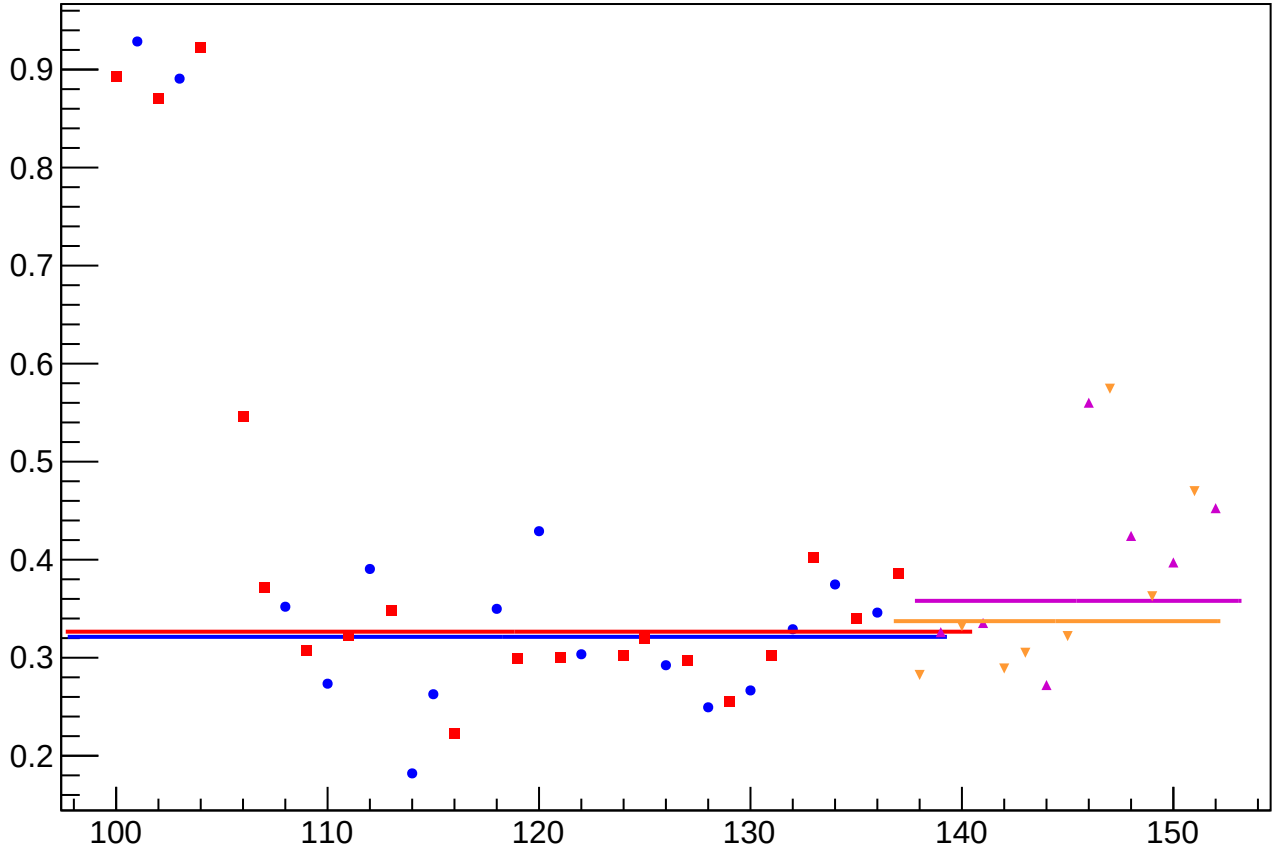
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.833+/-0.000 χ^2/NDF:4149701833.5/22

Out: 146.002+/-0.000 χ^2/NDF:4670347281.0/26

All: 145.920+/-0.000 χ^2/NDF: 8821528660.9

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: 0.358+/-0.000 χ^2/NDF:539974.9/6

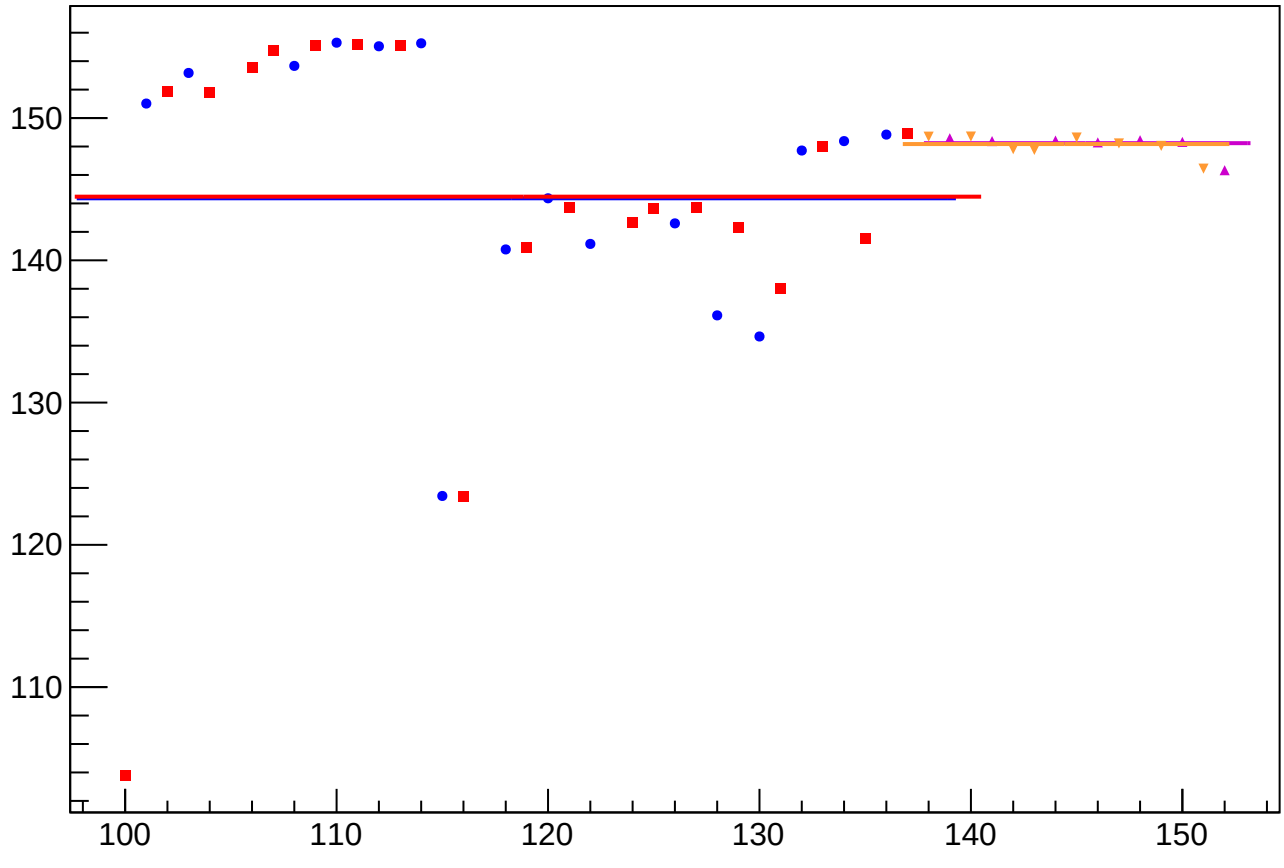
Left: 0.347+/-0.000 χ^2/NDF: 1054745.3/14

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.337+/-0.000 χ^2/NDF:2003027.4/22

Out: 0.332+/-0.000 χ^2/NDF:1803778.1/26

All: 0.334+/-0.000 χ^2/NDF: 3809969.1/49



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: 148.236+/-0.000 χ^2/NDF:15738719.0/6

Left: 148.202+/-0.000 χ^2/NDF: 34380295.3/14

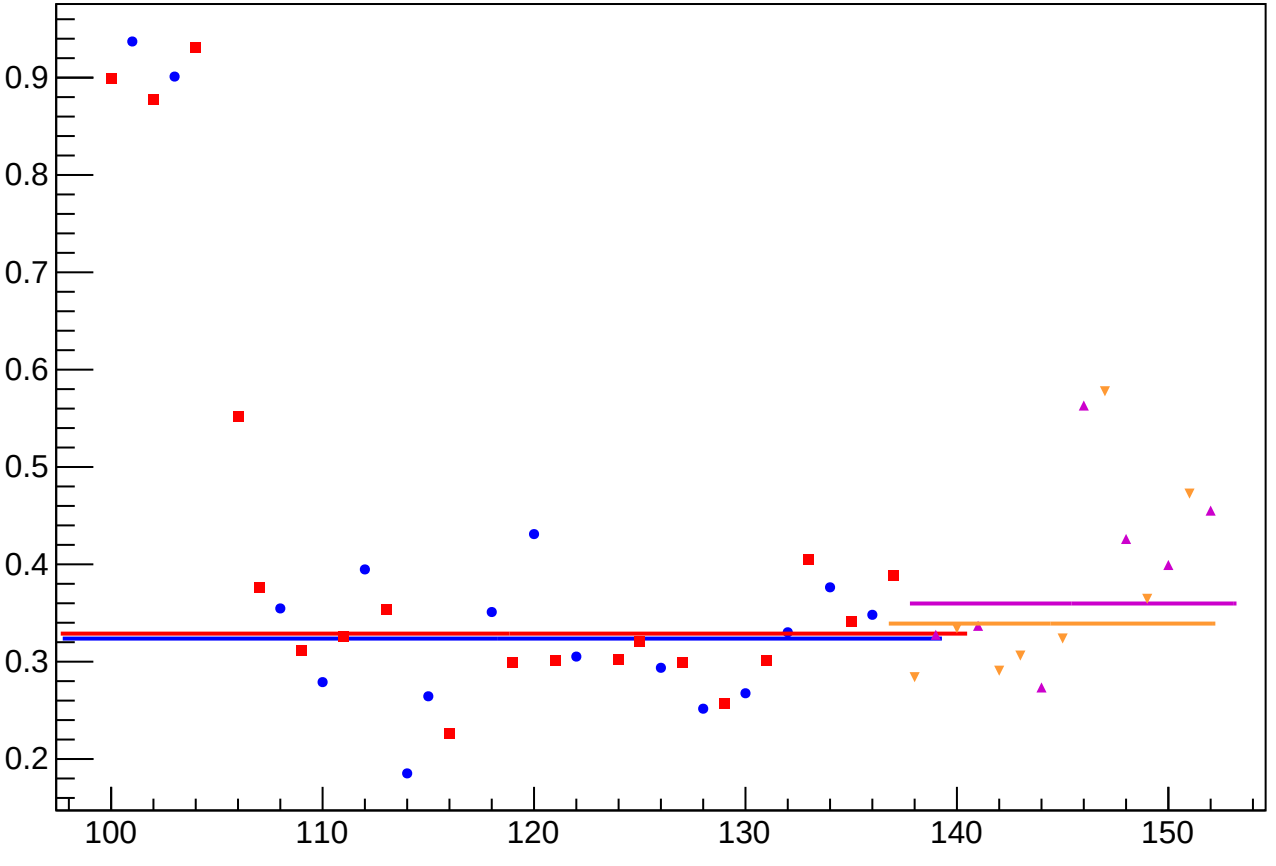
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.029+/-0.000 χ^2/NDF:4141716041.0/22

Out: 146.194+/-0.000 χ^2/NDF:4658912884.8/26

All: 146.114+/-0.000 χ^2/NDF: 8802010709.3

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.339+/-0.000 χ^2/NDF:495584.2/7

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.360+/-0.000 χ^2/NDF:540666.3/6

Left: 0.349+/-0.000 χ^2/NDF: 1055723.6/14

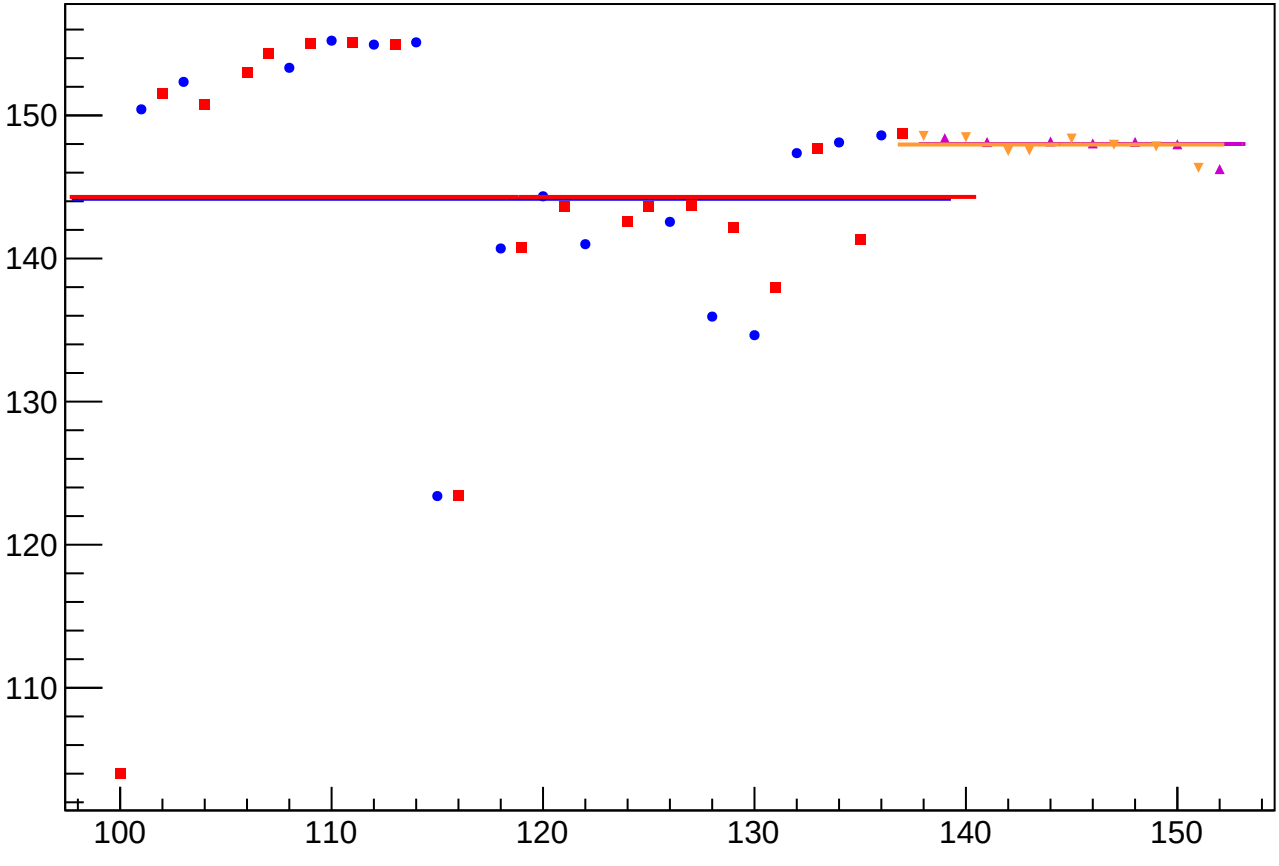
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.339+/-0.000 χ^2/NDF:1996610.1/22

Out: 0.334+/-0.000 χ^2/NDF:1804375.5/26

All: 0.336+/-0.000 χ^2/NDF: 3804226.6/49

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: 148.004+/-0.000 χ^2/NDF:13738070.0/6

Left: 147.983+/-0.000 χ^2/NDF: 32059939.5/14

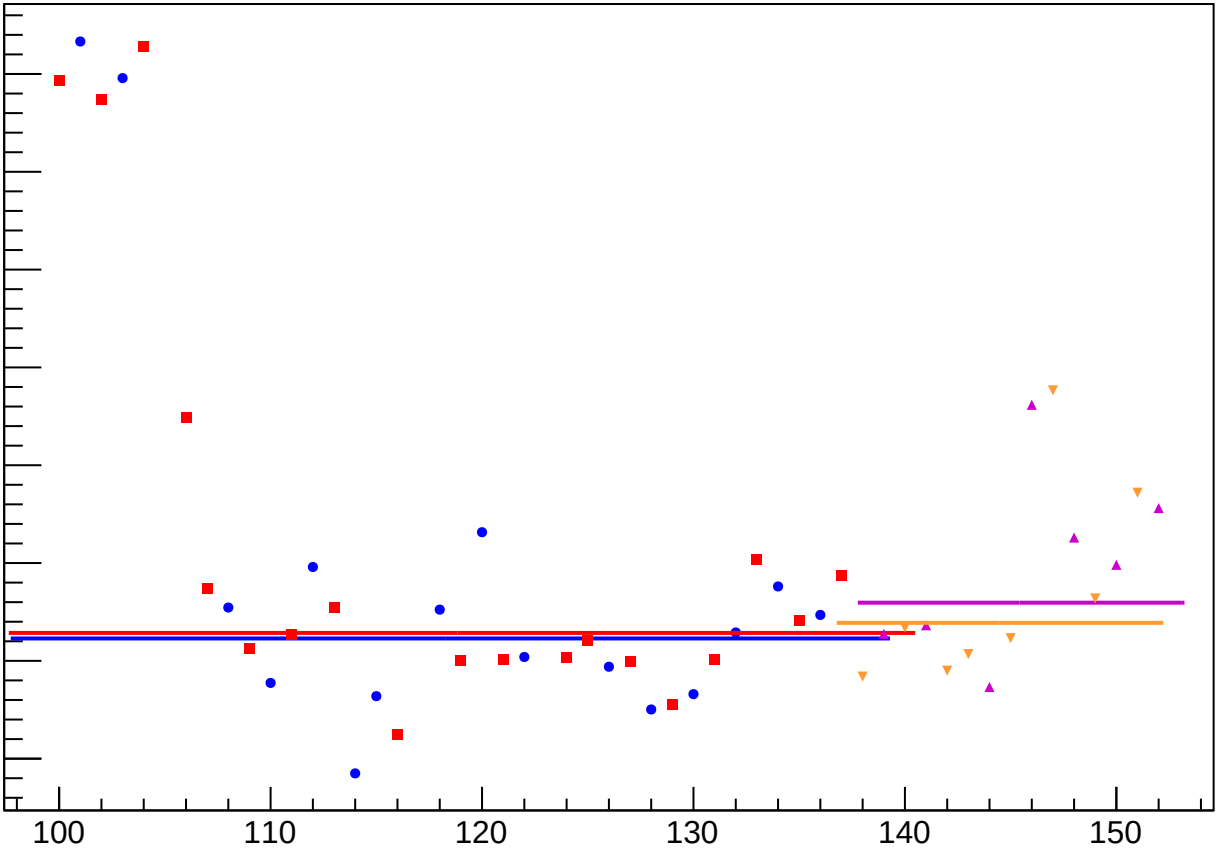
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.822+/-0.000 χ^2/NDF:4098033011.6/22

Out: 146.006+/-0.000 χ^2/NDF:4634516234.9/26

All: 145.917+/-0.000 χ^2/NDF: 8734286319.8

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: 0.359+/-0.000 χ^2/NDF:540865.6/6

Left: 0.349+/-0.000 χ^2/NDF: 1053779.2/14

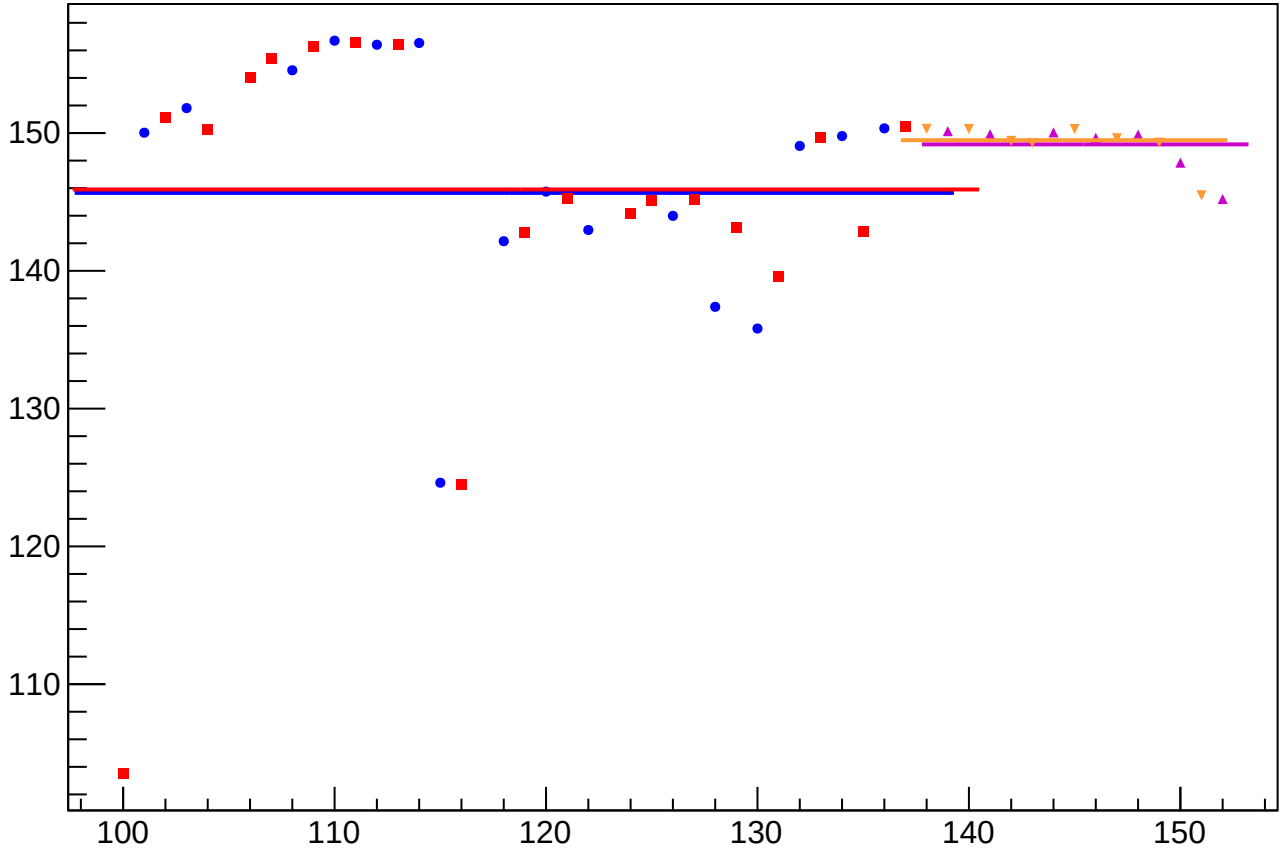
Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.339+/-0.000 χ^2/NDF:2002589.8/22

Out: 0.333+/-0.000 χ^2/NDF:1803169.9/26

All: 0.336+/-0.000 χ^2/NDF: 3808608.8/49

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: 149.178+/-0.000 χ^2/NDF:91928690.5/6

Left: 149.338+/-0.000 χ^2/NDF: 164008484.8/14

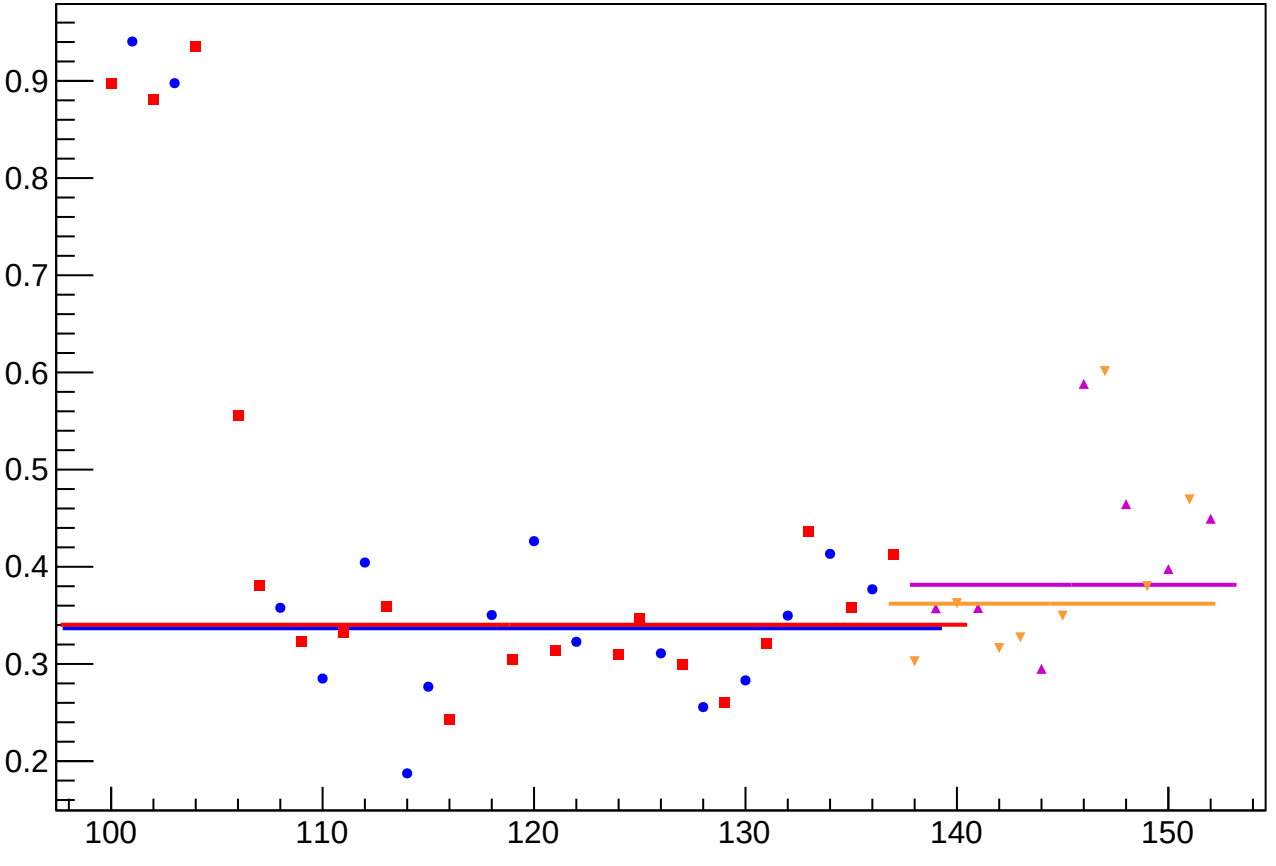
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 147.147+/-0.000 χ^2/NDF:3848564731.9/22

Out: 147.512+/-0.000 χ^2/NDF:4235507989.1/26

All: 147.334+/-0.000 χ^2/NDF: 8090274214.6

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: 0.381+/-0.000 χ^2/NDF:459748.4/6

Left: 0.371+/-0.000 χ^2/NDF: 895892.2/14

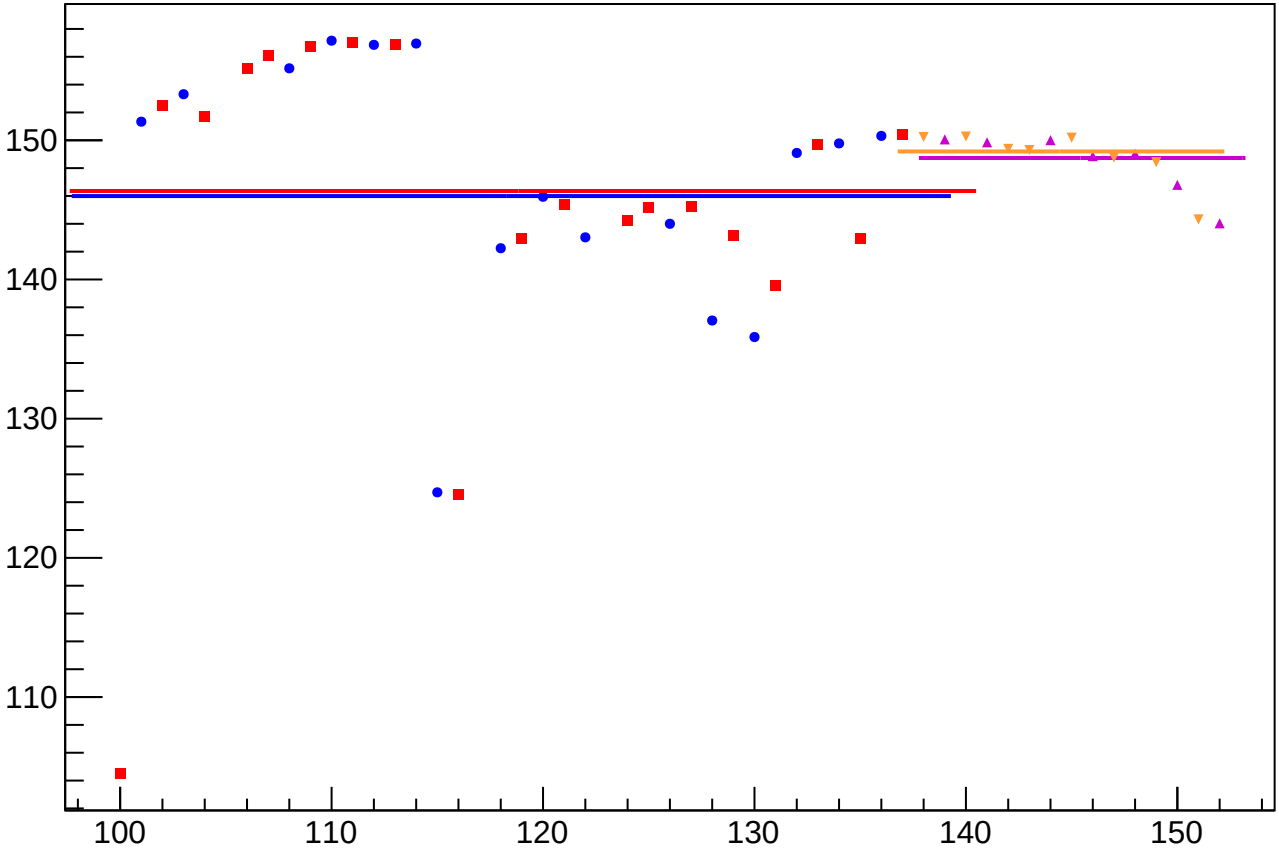
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.356+/-0.000 χ^2/NDF:1919024.6/22

Out: 0.350+/-0.000 χ^2/NDF:1717591.5/26

All: 0.353+/-0.000 χ^2/NDF: 3639507.2/49

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: 148.729+/-0.000 χ^2/NDF:143916072.6/6

Left: 148.976+/-0.000 χ^2/NDF: 257622221.0/14

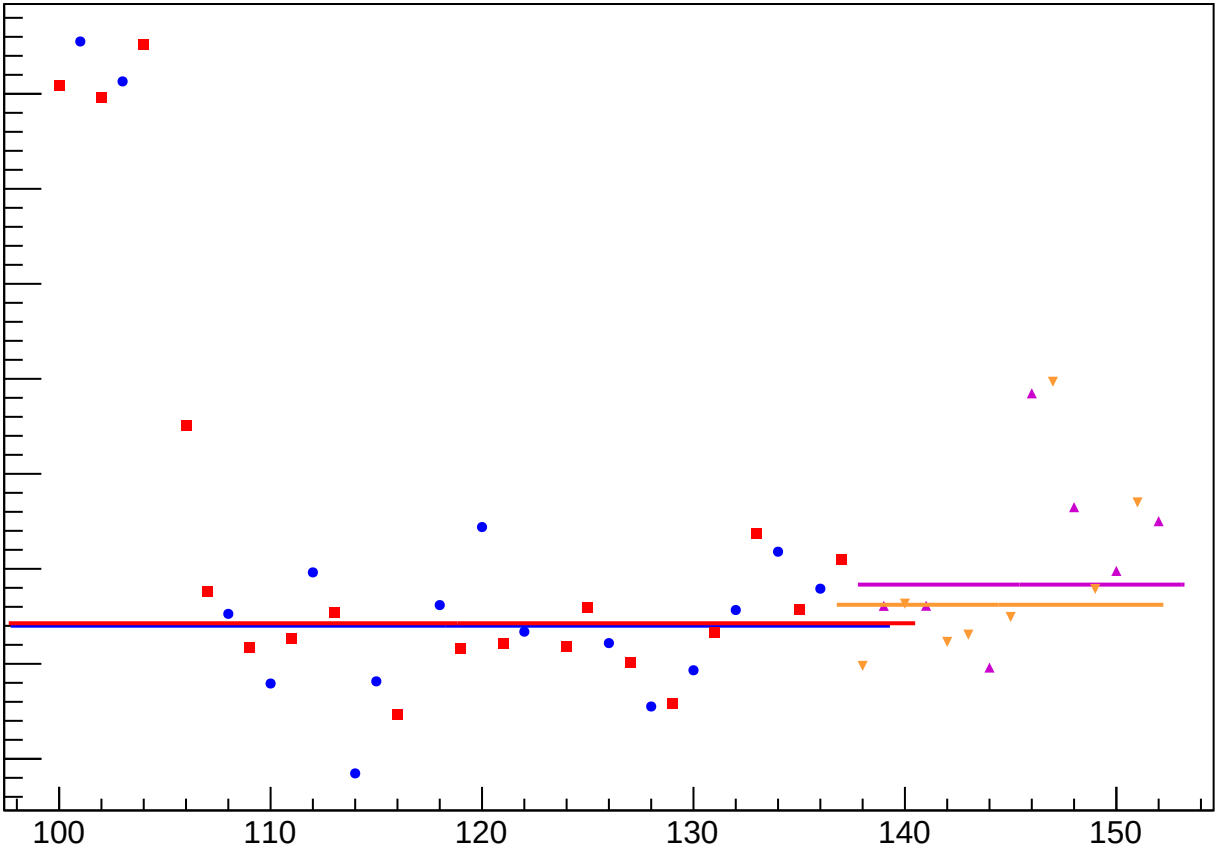
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 147.159+/-0.000 χ^2/NDF:3928959004.2/22

Out: 147.643+/-0.000 χ^2/NDF:4261008947.3/26

All: 147.407+/-0.000 χ^2/NDF: 8200719878.1

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: 0.383+/-0.000 χ^2/NDF:445410.7/6

Left: 0.372+/-0.000 χ^2/NDF: 881696.8/14

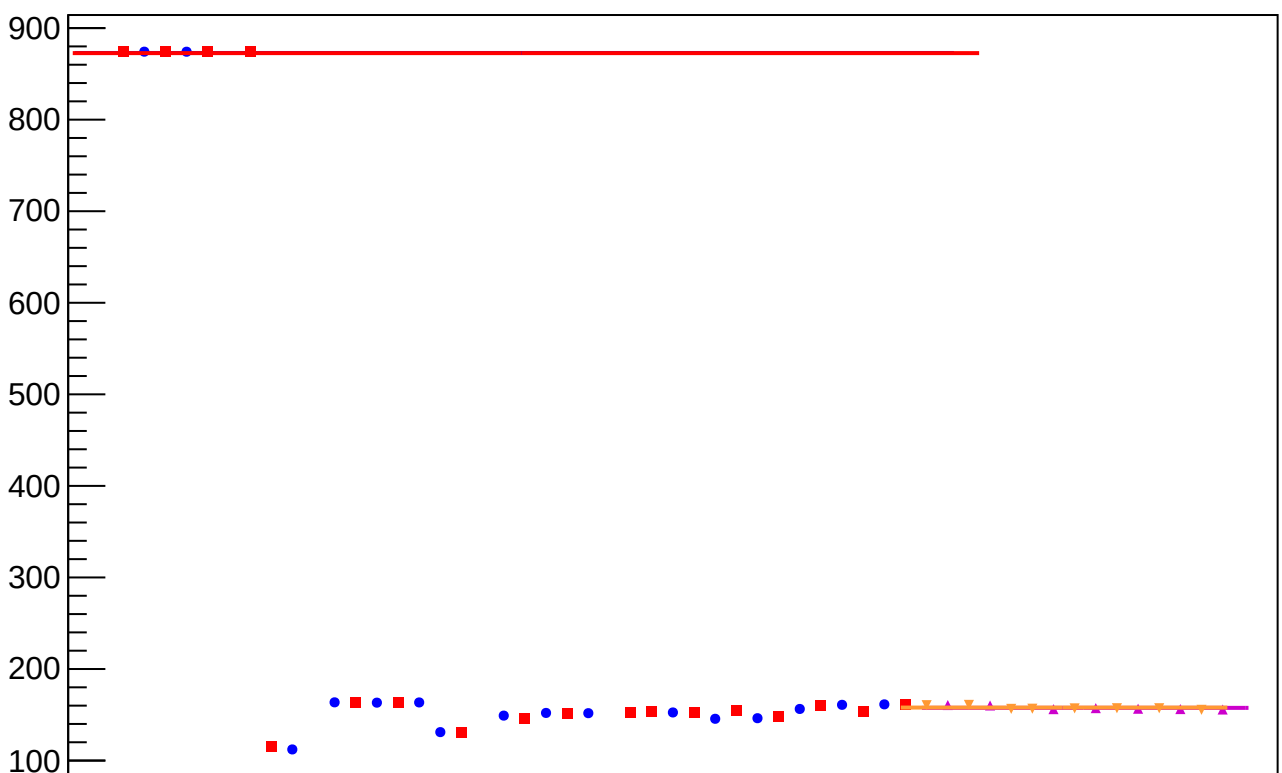
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.359+/-0.000 χ^2/NDF:1920248.3/22

Out: 0.352+/-0.000 χ^2/NDF:1706619.1/26

All: 0.355+/-0.000 χ^2/NDF: 3631447.8/49

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: 157.559+/-0.000 χ^2/NDF:39079706.0/6

Left: 157.730+/-0.000 χ^2/NDF: 80062621.3/14

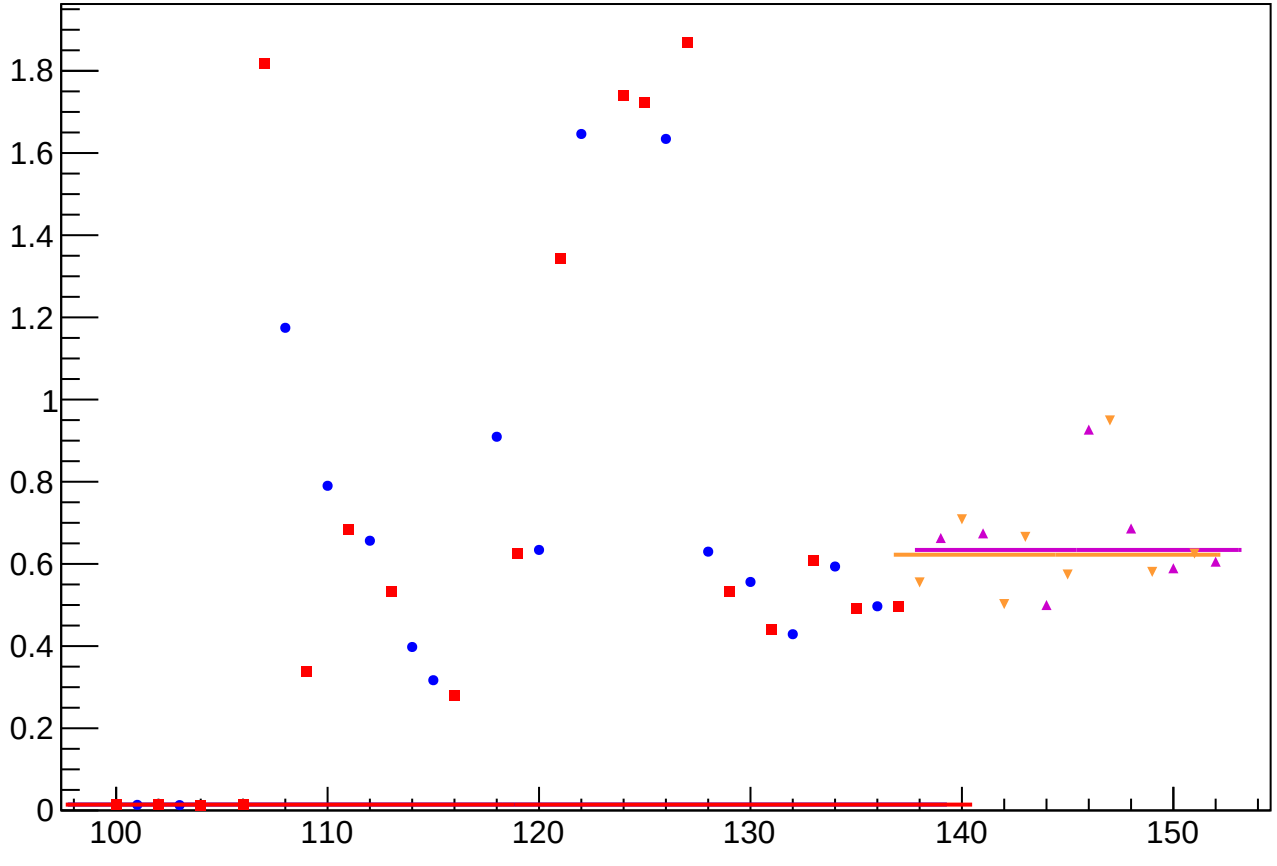
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 871.808+/-0.000 χ^2/NDF:12356490461058.1/2

Out: 871.776+/-0.000 χ^2/NDF:14446183107596.6

All: 871.791+/-0.000 χ^2/NDF: 26802677543

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: 0.634+/-0.000 χ^2/NDF:204203.2/6

Left: 0.628+/-0.000 χ^2/NDF: 416720.6/14

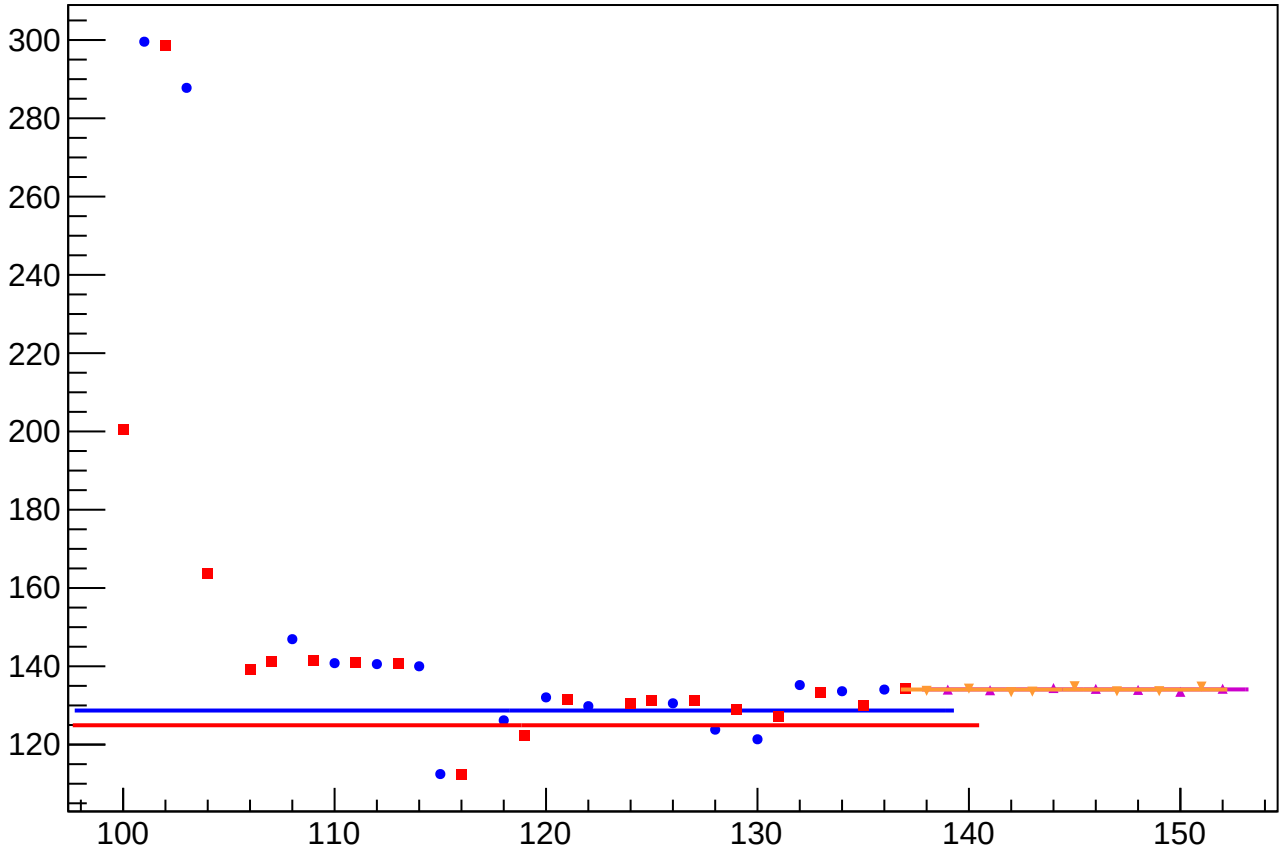
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.015+/-0.000 χ^2/NDF:17579036.0/22

Out: 0.015+/-0.000 χ^2/NDF:17264282.8/26

All: 0.015+/-0.000 χ^2/NDF: 34843809.9/49

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: 134.094+/-0.000 χ^2/NDF:2191766.5/6

Left: 134.081+/-0.000 χ^2/NDF: 11001297.0/14

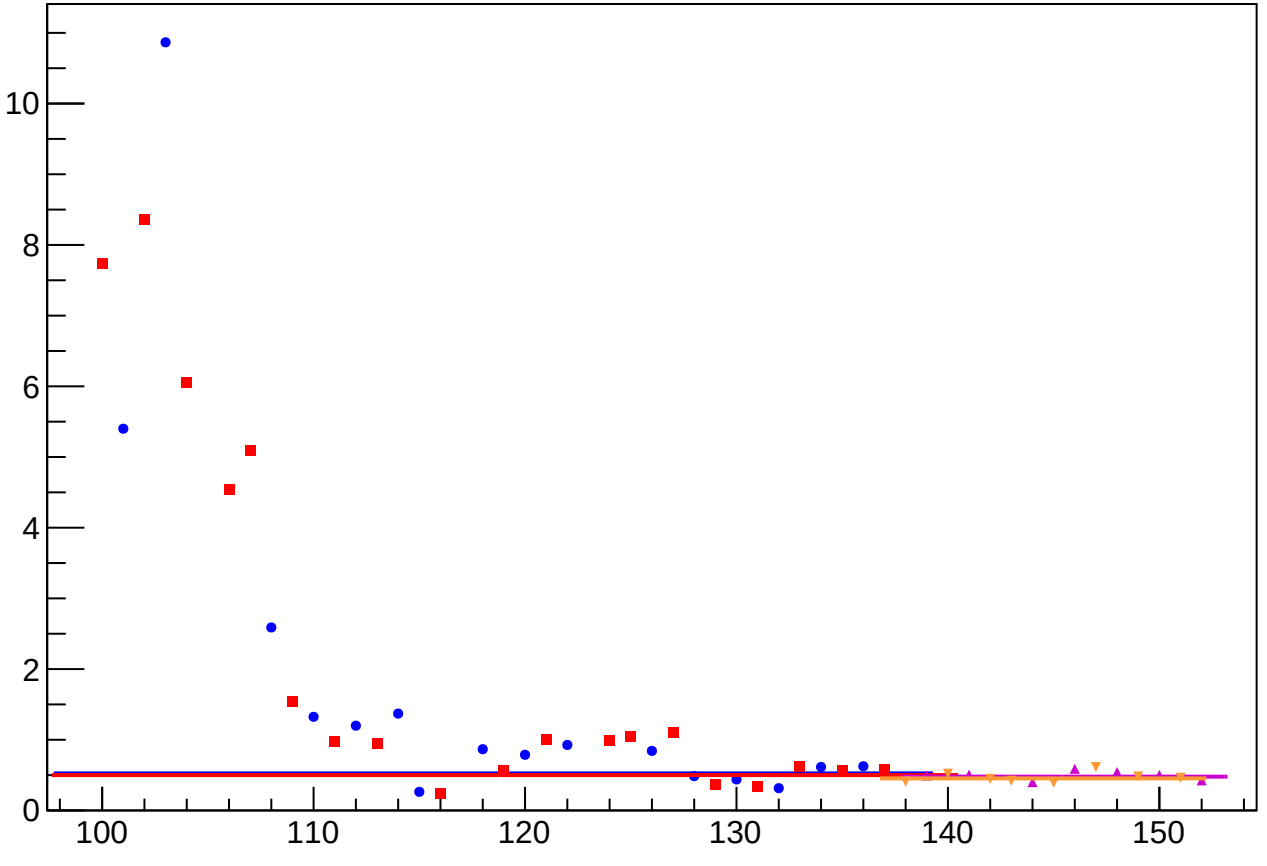
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.049+/-0.000 χ^2/NDF:1899732134.4/22

Out: 130.712+/-0.000 χ^2/NDF:2146965564.7/26

All: 131.354+/-0.000 χ^2/NDF: 4079433022.3

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: 0.478+/-0.000 χ^2/NDF:172763.5/6

Left: 0.465+/-0.000 χ^2/NDF: 367909.3/14

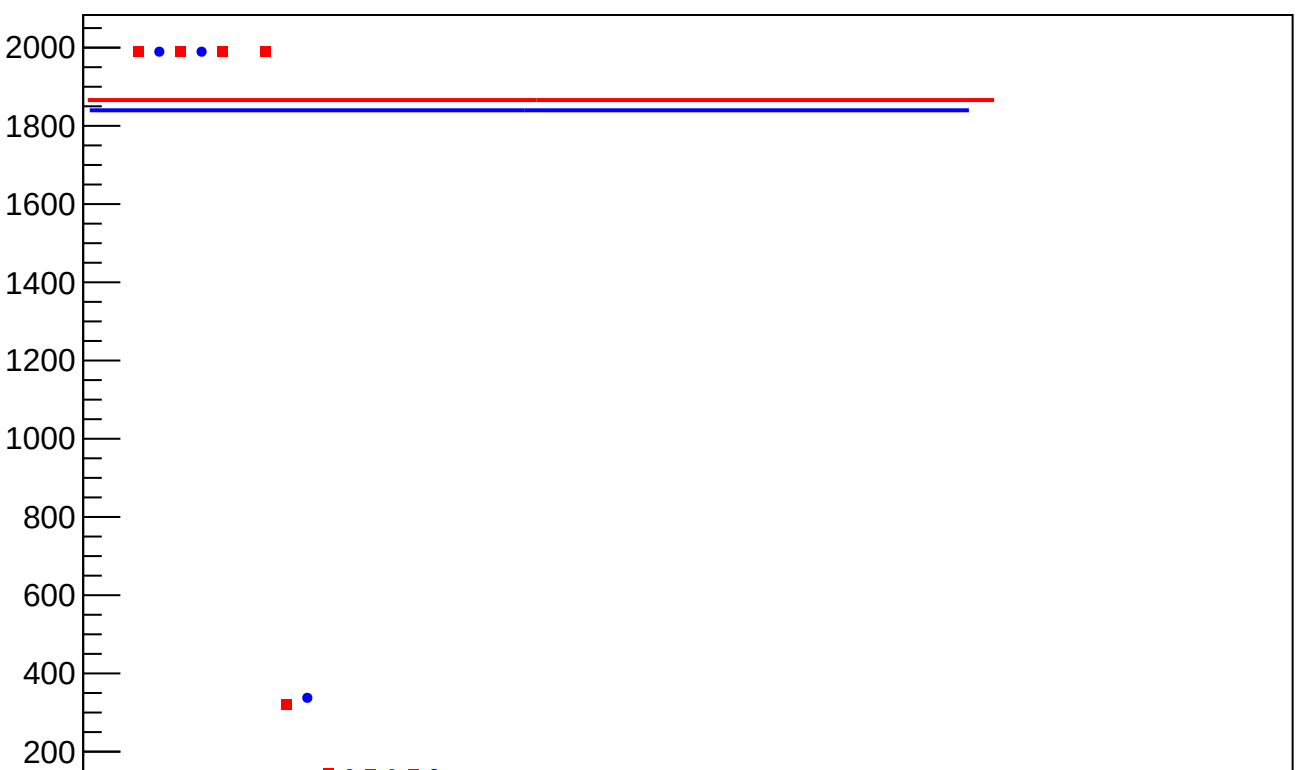
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.496+/-0.000 χ^2/NDF:4345763.5/22

Out: 0.471+/-0.000 χ^2/NDF:5104352.8/26

All: 0.483+/-0.000 χ^2/NDF: 9472960.9/49

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: 137.282+/-0.000 χ^2/NDF:3874815.9/6

Left: 137.250+/-0.000 χ^2/NDF: 18884604.8/14

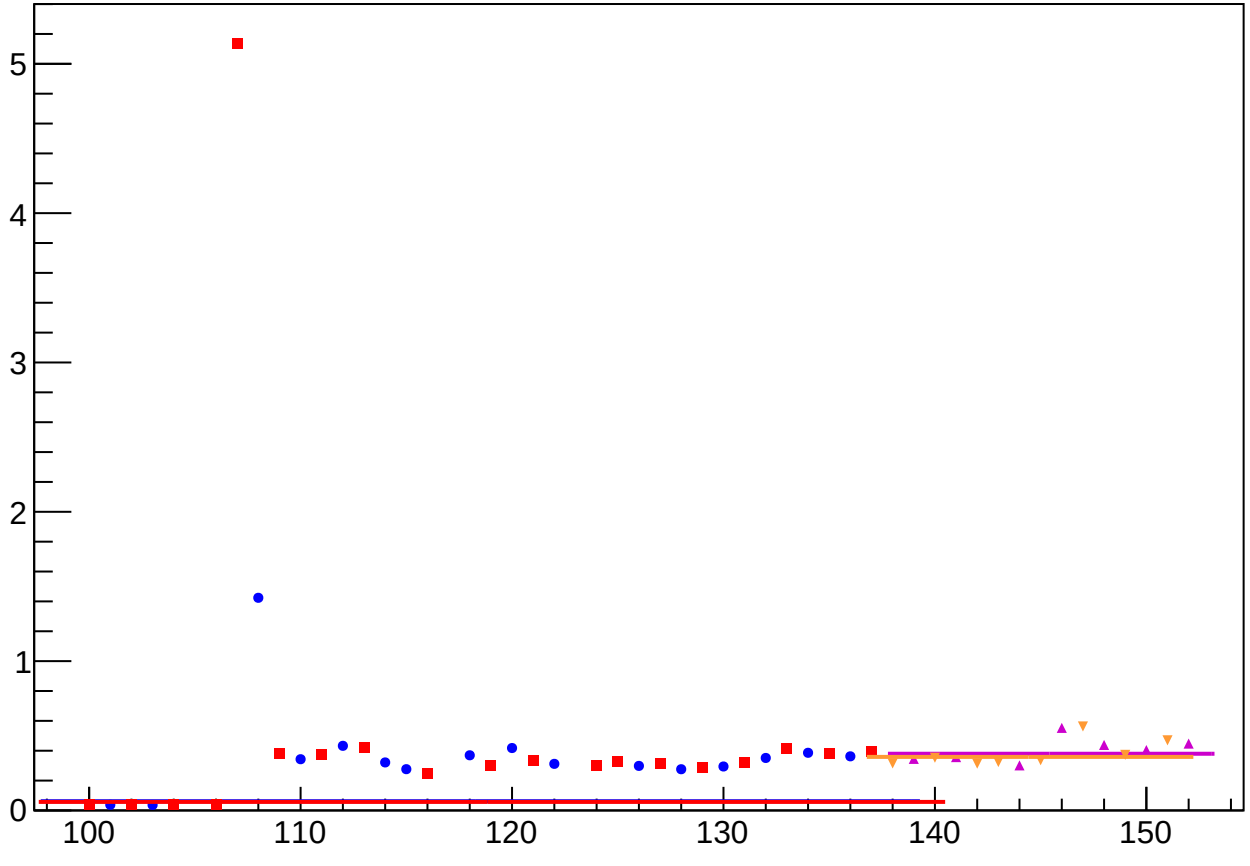
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1729.773+/-0.000 χ^2/NDF:252732873827857.

Out: 1757.559+/-0.000 χ^2/NDF:267572014989537

All: 1744.726+/-0.000 χ^2/NDF: 5205582869

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: 0.380+/-0.000 χ^2/NDF:377562.6/6

Left: 0.369+/-0.000 χ^2/NDF: 759631.2/14

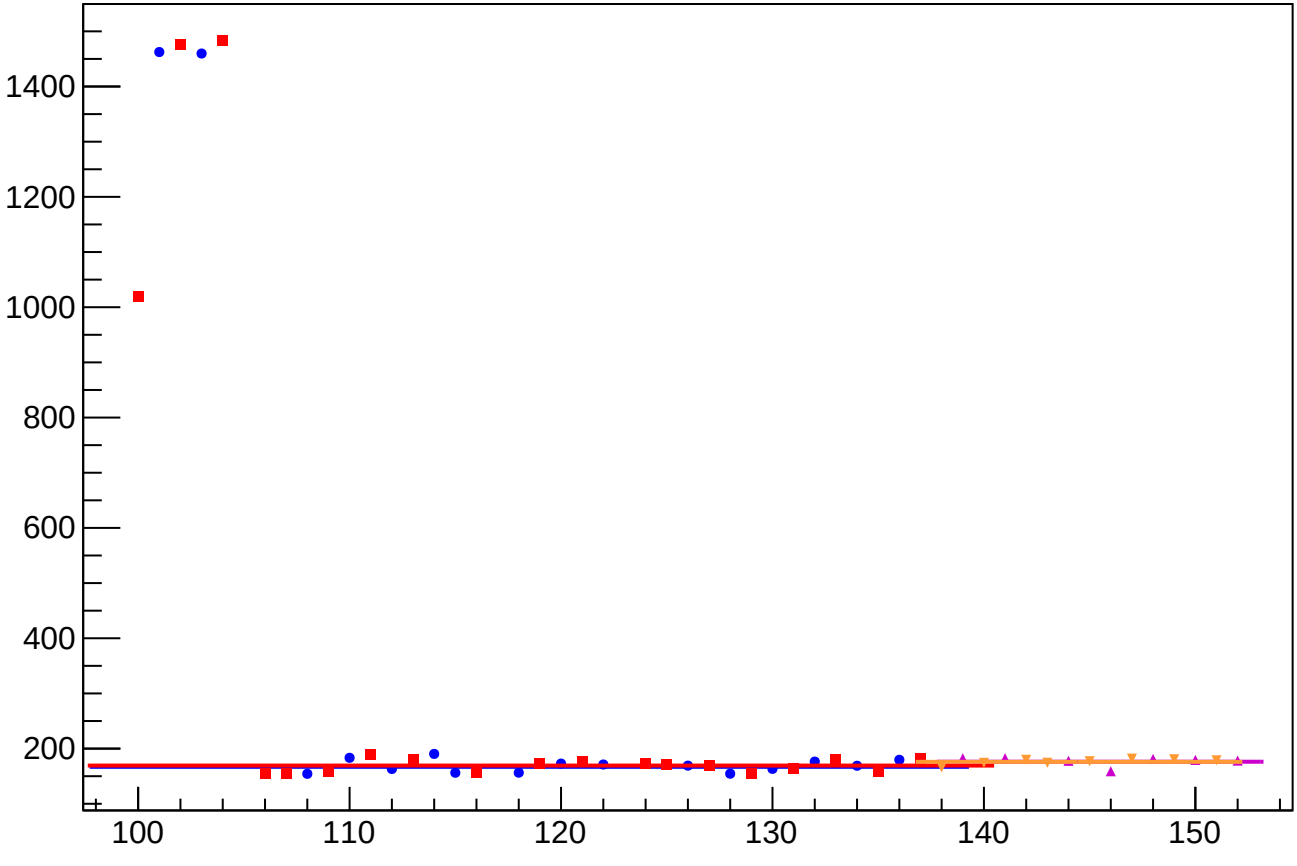
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.082+/-0.000 χ^2/NDF:16003810.1/22

Out: 0.076+/-0.000 χ^2/NDF:15691445.5/26

All: 0.079+/-0.000 χ^2/NDF: 31719938.8/49

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: 176.217+/-0.000 χ^2/NDF:370264090.9/6

Left: 176.116+/-0.000 χ^2/NDF: 509522452.8/14

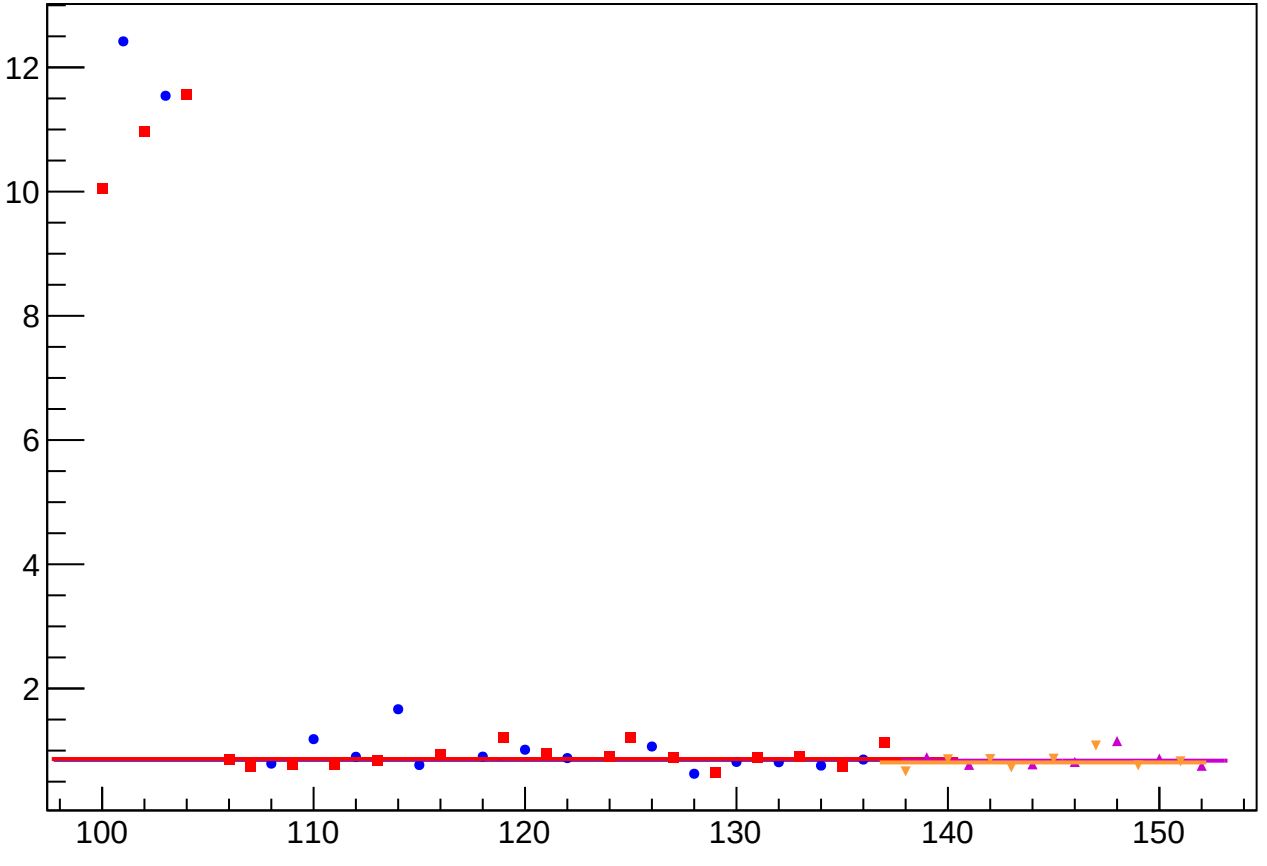
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 171.631+/-0.000 χ^2/NDF:15210070614.4/22

Out: 172.604+/-0.000 χ^2/NDF:16579938208.1/26

All: 172.122+/-0.000 χ^2/NDF: 31795075014.

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: 0.838+/-0.000 χ^2/NDF:122816.1/6

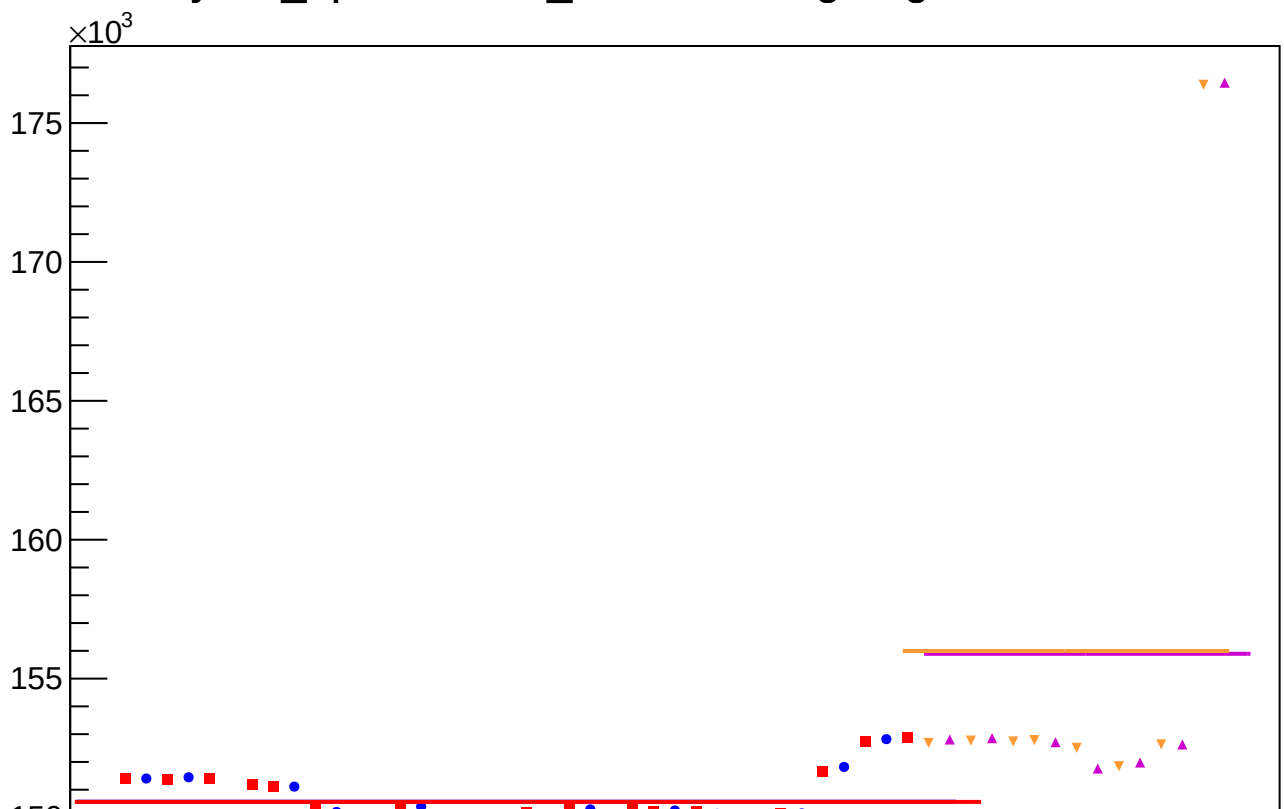
Left: 0.824+/-0.000 χ^2/NDF: 261882.0/14

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.846+/-0.000 χ^2/NDF:2426273.4/22

Out: 0.837+/-0.000 χ^2/NDF:2360084.3/26

All: 0.841+/-0.000 χ^2/NDF: 4787104.8/49



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: 155893.330+/-0.074 χ^2/NDF:12883391693.2/6

Left: 155945.594+/-0.051 χ^2/NDF: 26817575619.1/

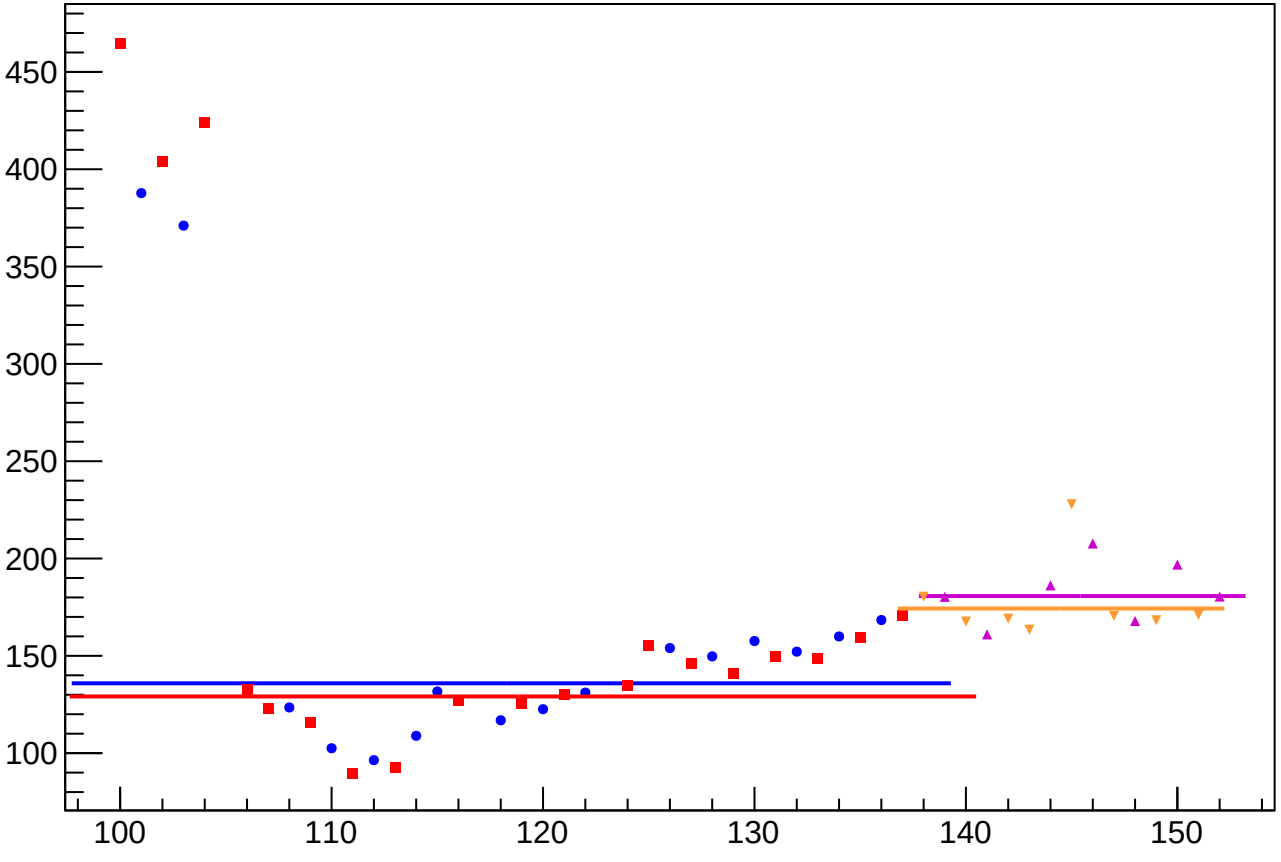
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 152453.019+/-0.044 χ^2/NDF:16484959491.8/2

Out: 152411.367+/-0.041 χ^2/NDF:17996668250.8/

All: 152430.976+/-0.030 χ^2/NDF: 34482104

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: 180.713+/-0.052 χ^2/NDF:78700.3/6

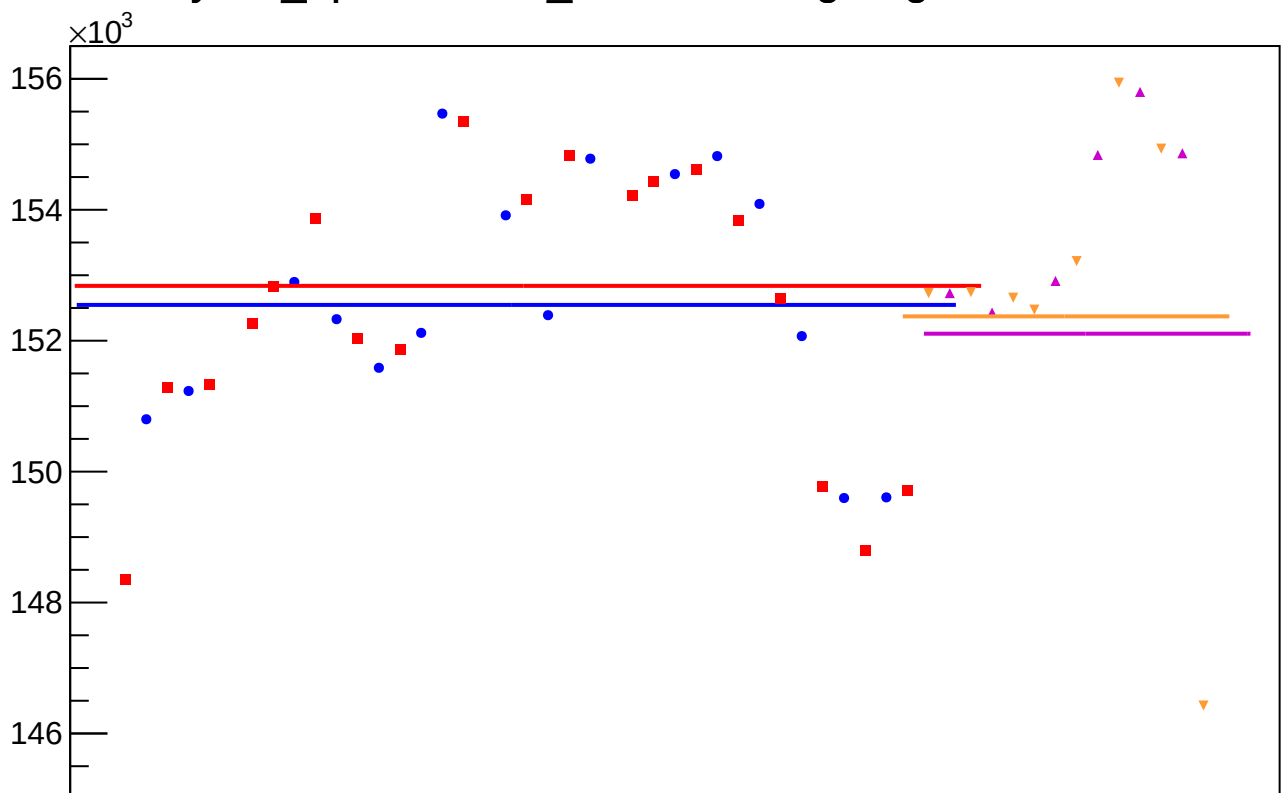
Left: 177.388+/-0.036 χ^2/NDF: 191453.8/14

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 151.756+/-0.031 χ^2/NDF:1971710.1/22

Out: 144.516+/-0.029 χ^2/NDF:2254165.6/26

All: 147.925+/-0.021 χ^2/NDF: 4254673.7/49



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: 152107.141+/-0.084 χ^2/NDF:1717968798.6/6

Left: 152245.862+/-0.058 χ^2/NDF: 2735609092.3/1

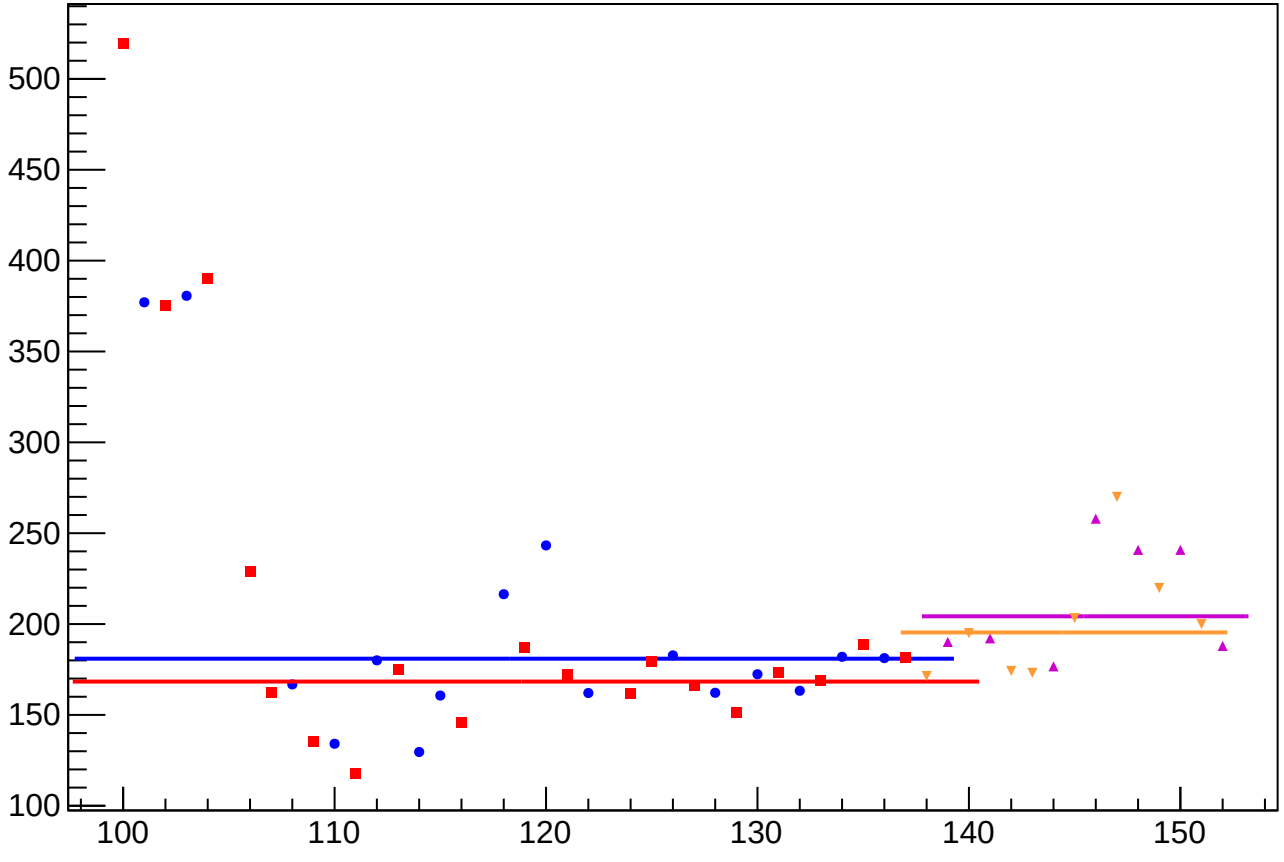
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152359.334+/-0.055 χ^2/NDF:2388152042.7/22

Out: 152647.526+/-0.051 χ^2/NDF:1769336500.6/2

All: 152513.505+/-0.038 χ^2/NDF: 41721815

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: 204.264+/-0.060 χ^2/NDF:225774.3/6

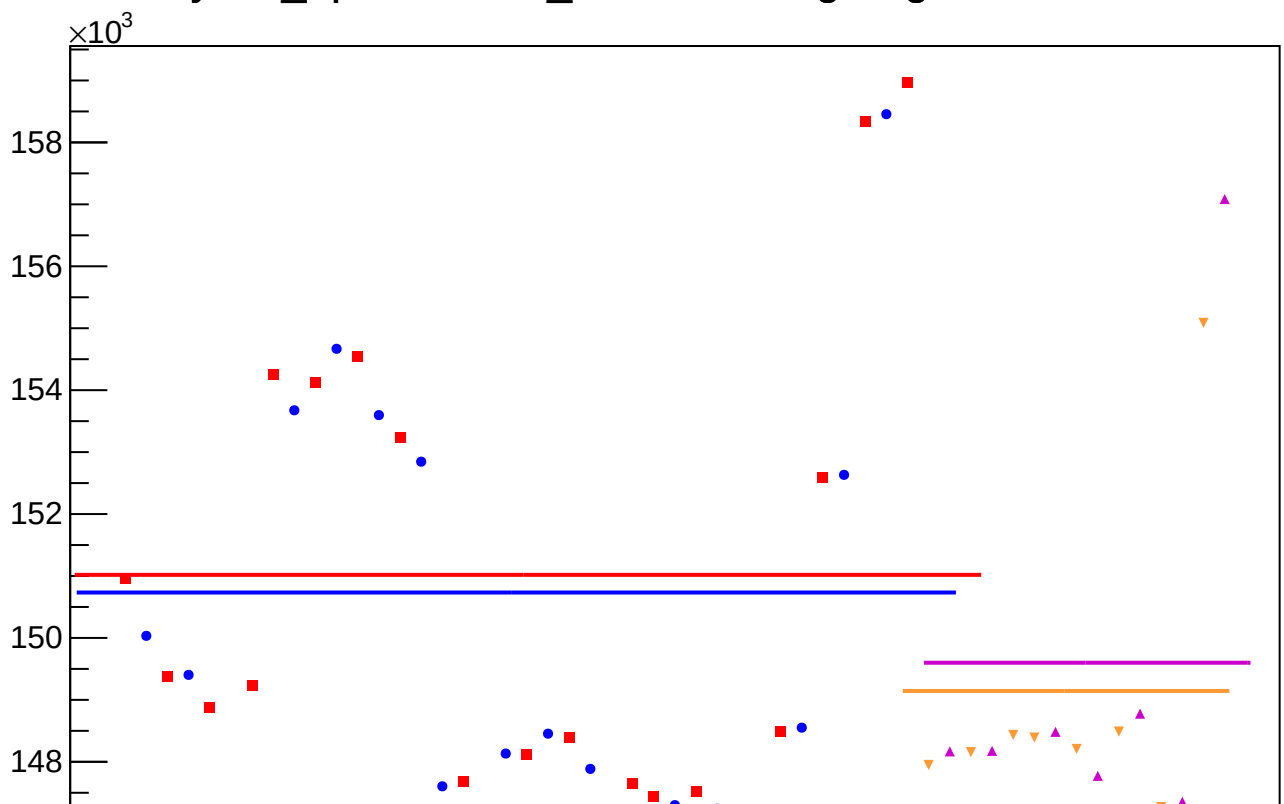
Left: 199.603+/-0.041 χ^2/NDF: 454614.1/14

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 190.887+/-0.039 χ^2/NDF:1221554.8/22

Out: 179.386+/-0.036 χ^2/NDF:1440475.3/26

All: 184.735+/-0.027 χ^2/NDF: 2708834.9/49



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: 149599.631+/-0.082 χ^2/NDF:1639865010.0/6

Left: 149362.246+/-0.057 χ^2/NDF: 2669978758.3/1

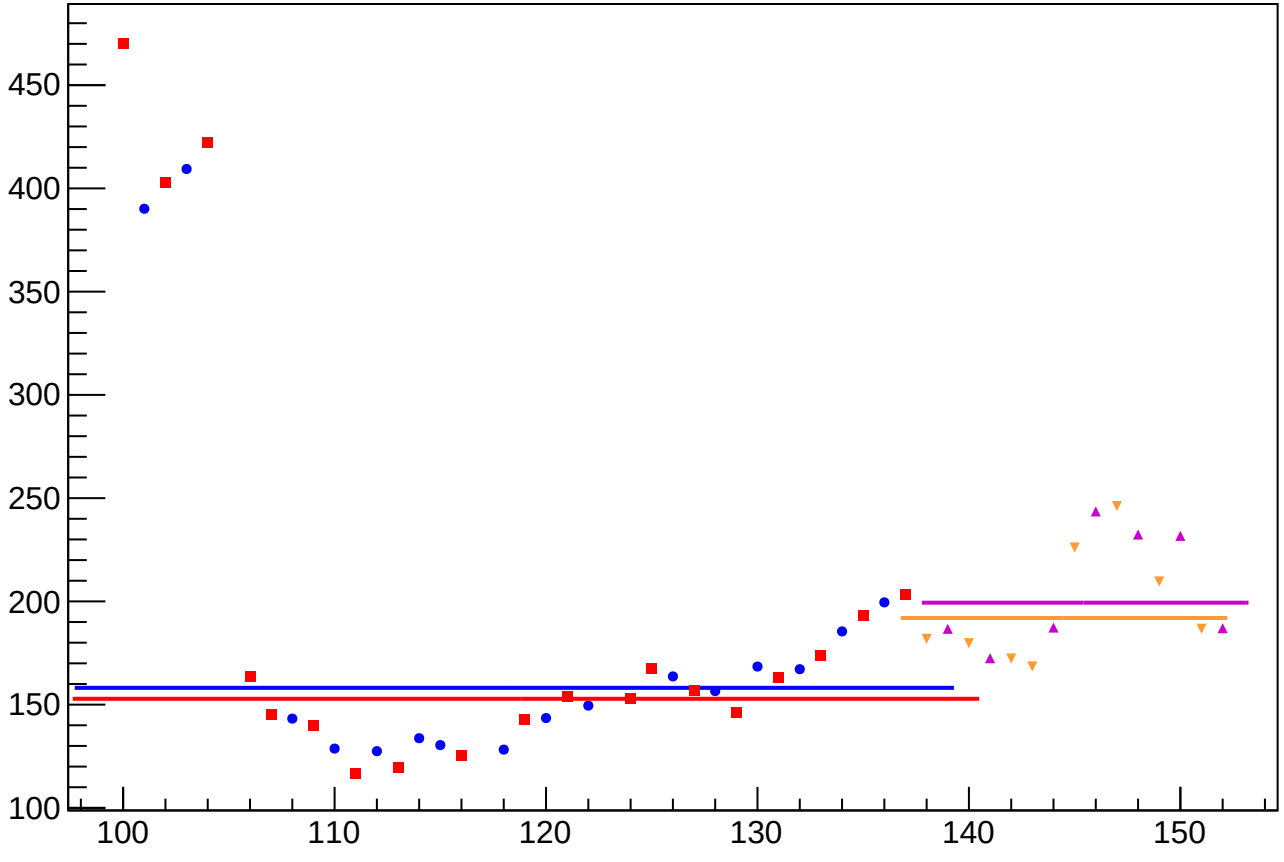
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 150311.861+/-0.050 χ^2/NDF:5044478470.4/22

Out: 150325.407+/-0.048 χ^2/NDF:4660294452.7/2

All: 150318.936+/-0.034 χ^2/NDF: 97048114

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: 199.375+/-0.058 χ^2/NDF:190891.4/6

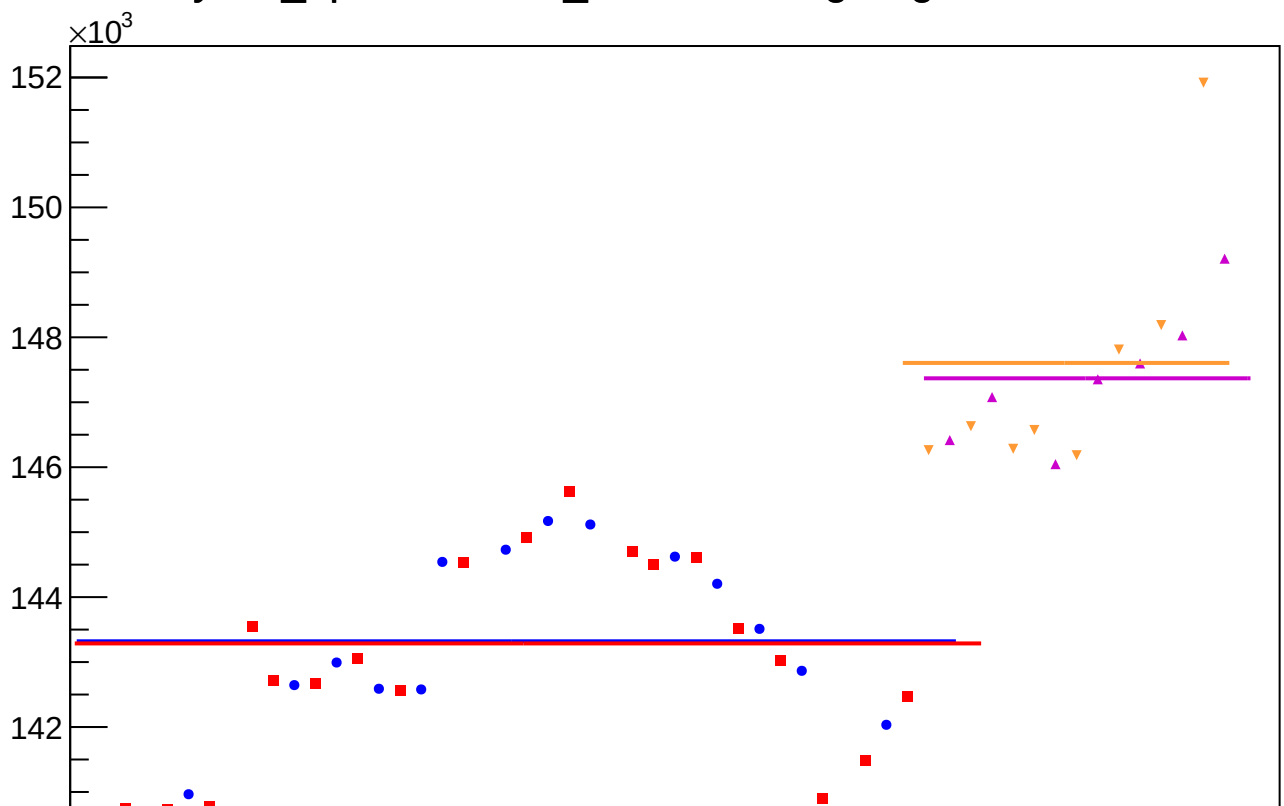
Left: 195.520+/-0.040 χ^2/NDF: 382780.1/14

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 173.468+/-0.035 χ^2/NDF:1706173.4/22

Out: 167.310+/-0.034 χ^2/NDF:1761568.8/26

All: 170.252+/-0.024 χ^2/NDF: 3483678.2/49



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: 147368.585+/-0.080 χ^2/NDF:174737291.9/6

Left: 147491.243+/-0.056 χ^2/NDF: 834671343.3/14

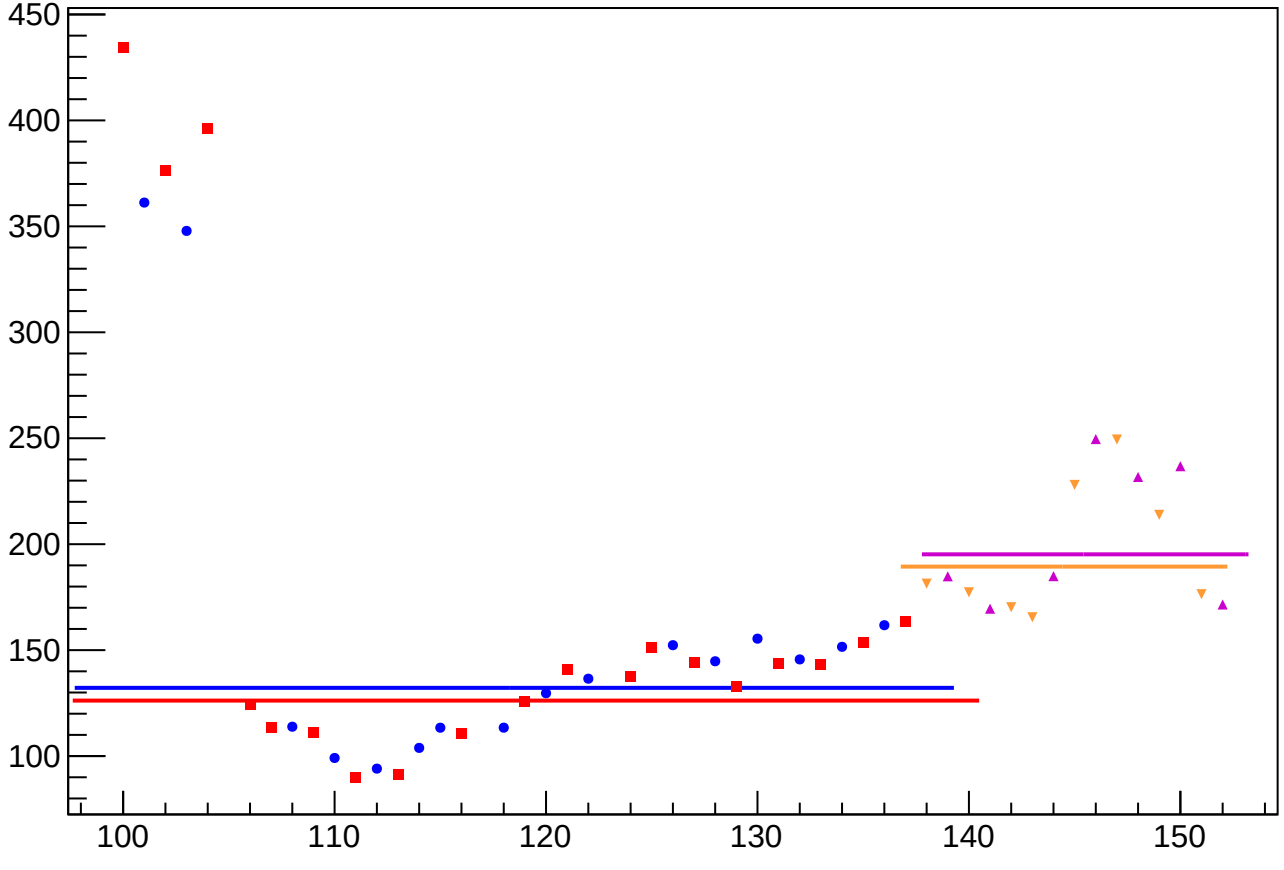
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 144549.697+/-0.044 χ^2/NDF:2498758816.8/22

Out: 144543.074+/-0.042 χ^2/NDF:3471456422.4/2

All: 144546.196+/-0.030 χ^2/NDF: 59702270

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: 195.216+/-0.057 χ^2/NDF:261404.7/6

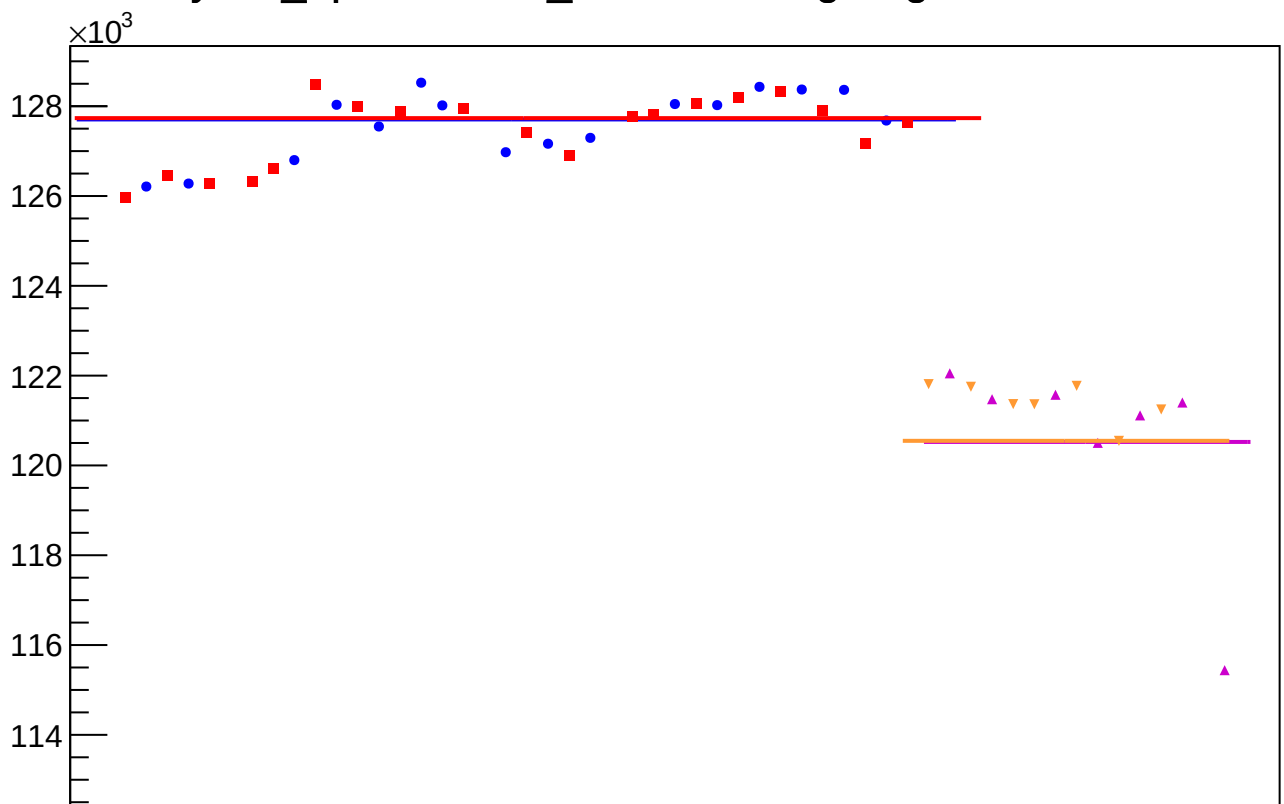
Left: 192.215+/-0.039 χ^2/NDF: 492259.9/14

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 151.347+/-0.031 χ^2/NDF:2495375.1/22

Out: 144.582+/-0.030 χ^2/NDF:2711789.1/26

All: 147.771+/-0.022 χ^2/NDF: 5231786.4/49



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: 120523.223+/-0.071 χ^2/NDF:980982027.7/6

Left: 120535.646+/-0.050 χ^2/NDF: 2604951249.6/1

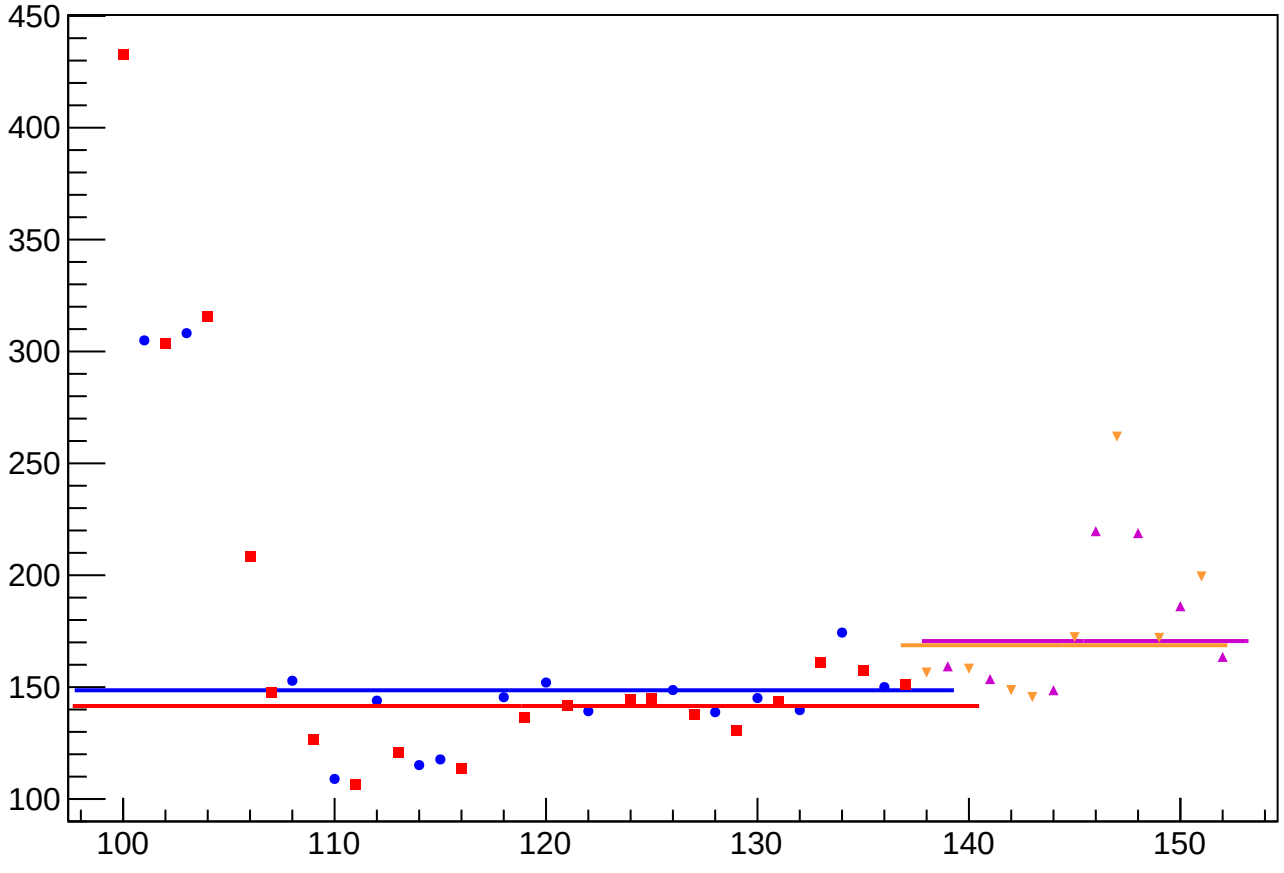
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 124795.155+/-0.045 χ^2/NDF:7210106706.7/22

Out: 125003.387+/-0.043 χ^2/NDF:8242493908.3/2

All: 124903.551+/-0.031 χ^2/NDF: 154637208

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: 170.591+/-0.050 χ^2/NDF:246997.5/6

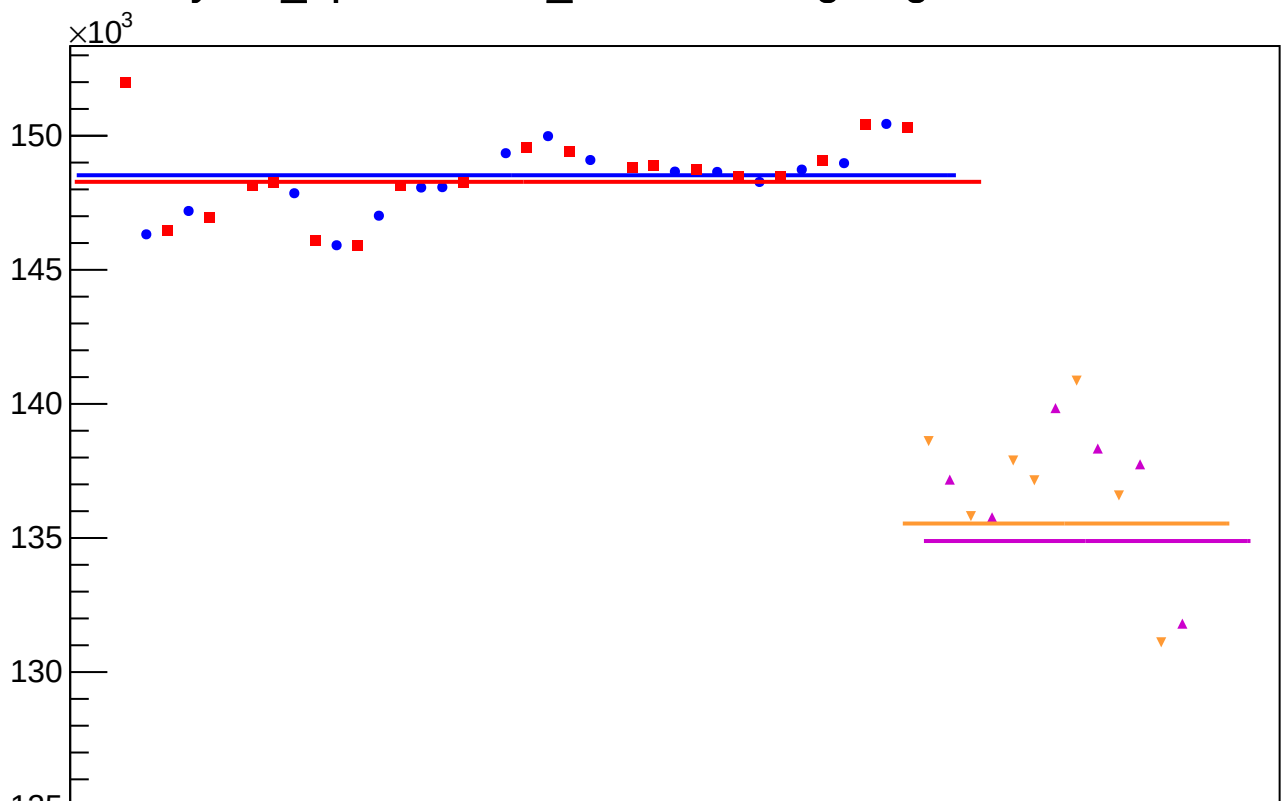
Left: 169.643+/-0.035 χ^2/NDF: 564349.2/14

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 157.506+/-0.032 χ^2/NDF:1189612.8/22

Out: 151.880+/-0.031 χ^2/NDF:1503641.0/26

All: 154.578+/-0.022 χ^2/NDF: 2709488.0/49



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: 134887.154+/-0.106 χ^2/NDF:2012941605.3/6

Left: 135218.613+/-0.074 χ^2/NDF: 3756400809.3/1

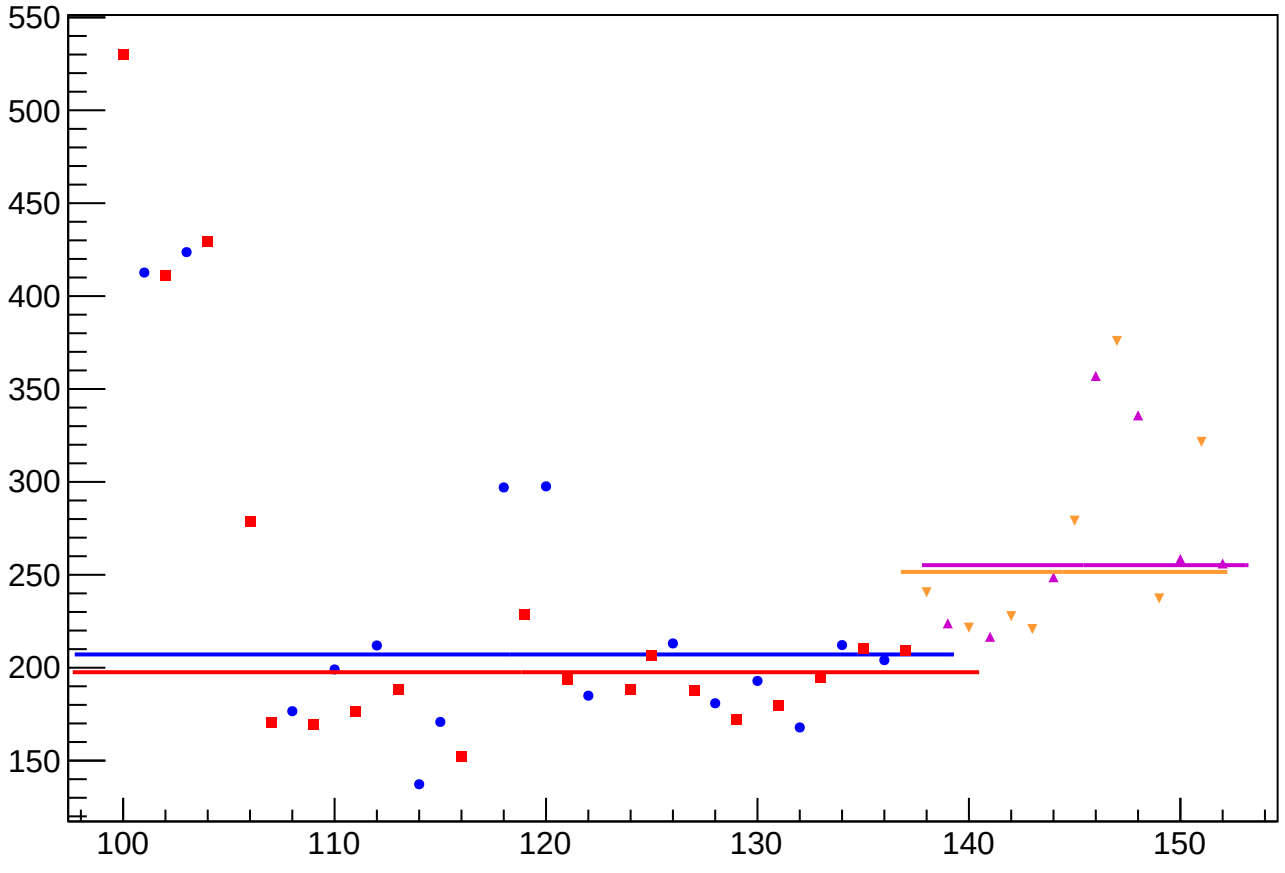
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 143403.223+/-0.065 χ^2/NDF:12632964631.4/2

Out: 143799.413+/-0.062 χ^2/NDF:11751938704.1

All: 143610.928+/-0.045 χ^2/NDF: 24404534

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: 255.190+/-0.075 χ^2/NDF:324555.5/6

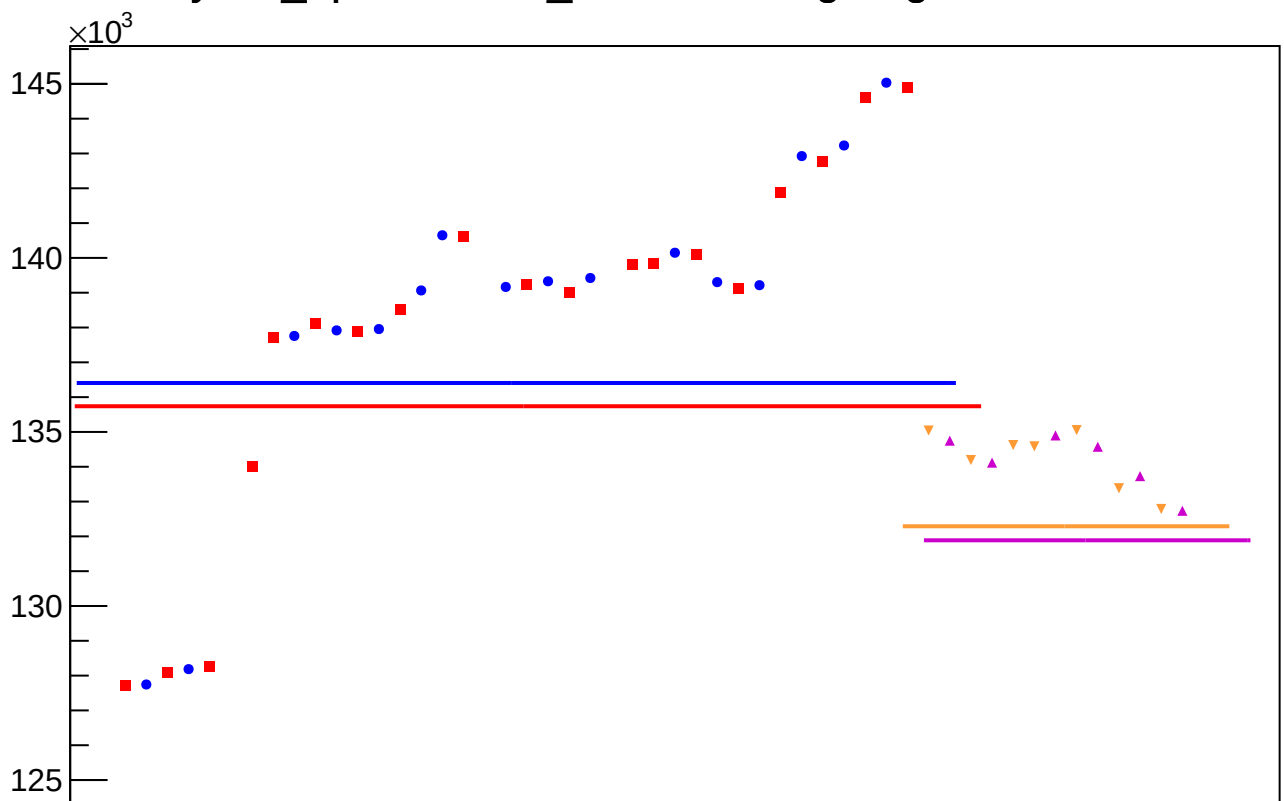
Left: 253.349+/-0.052 χ^2/NDF: 675320.9/14

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 225.188+/-0.046 χ^2/NDF:1555200.1/22

Out: 216.566+/-0.044 χ^2/NDF:1603104.6/26

All: 220.668+/-0.032 χ^2/NDF: 3176902.2/49



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: 131886.919+/-0.232 χ^2/NDF:345234362.5/6

Left: 132101.280+/-0.159 χ^2/NDF: 717401717.0/14

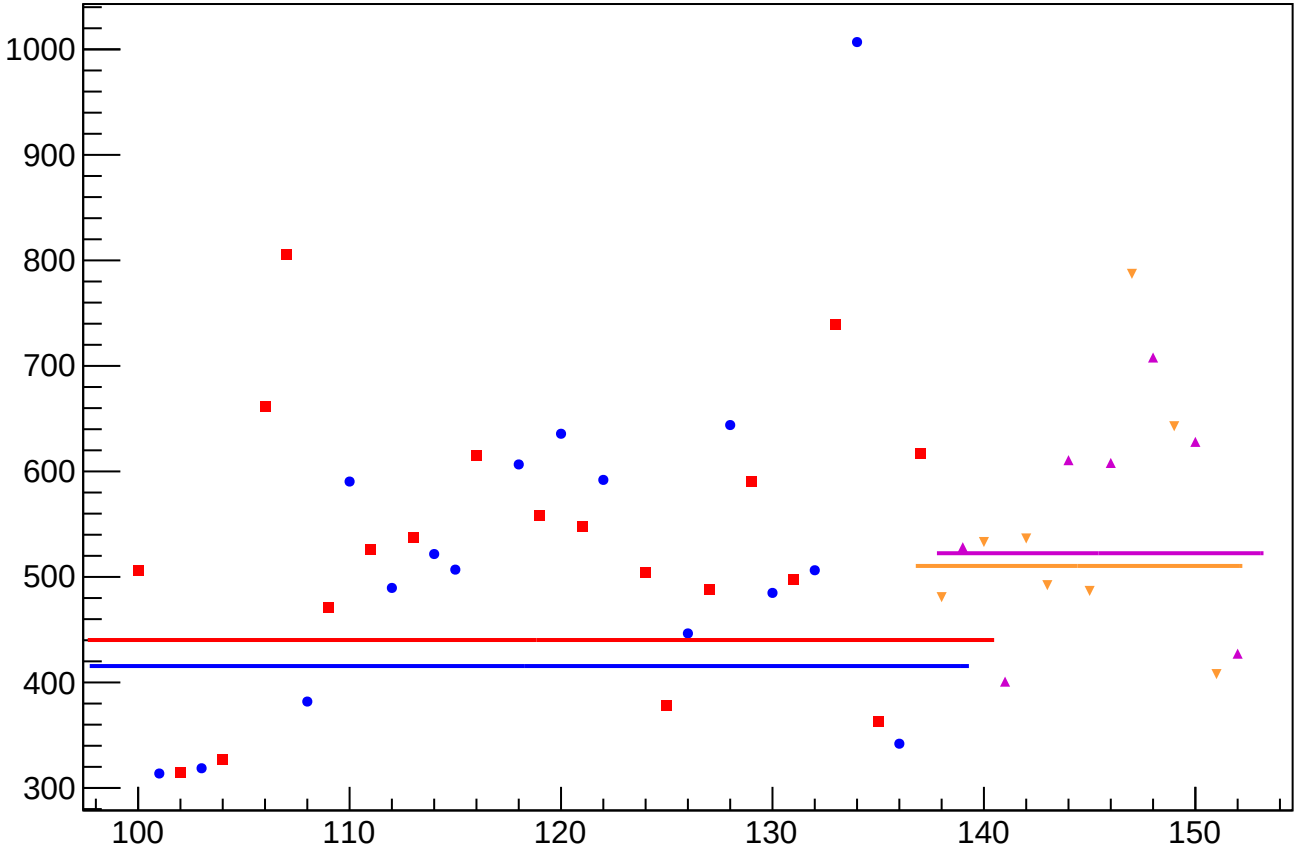
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 134843.827+/-0.136 χ^2/NDF:2170923777.4/22

Out: 134366.519+/-0.137 χ^2/NDF:1696265890.7/2

All: 134606.488+/-0.097 χ^2/NDF: 38732833

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: 522.471+/-0.164 χ^2/NDF:411336.0/6

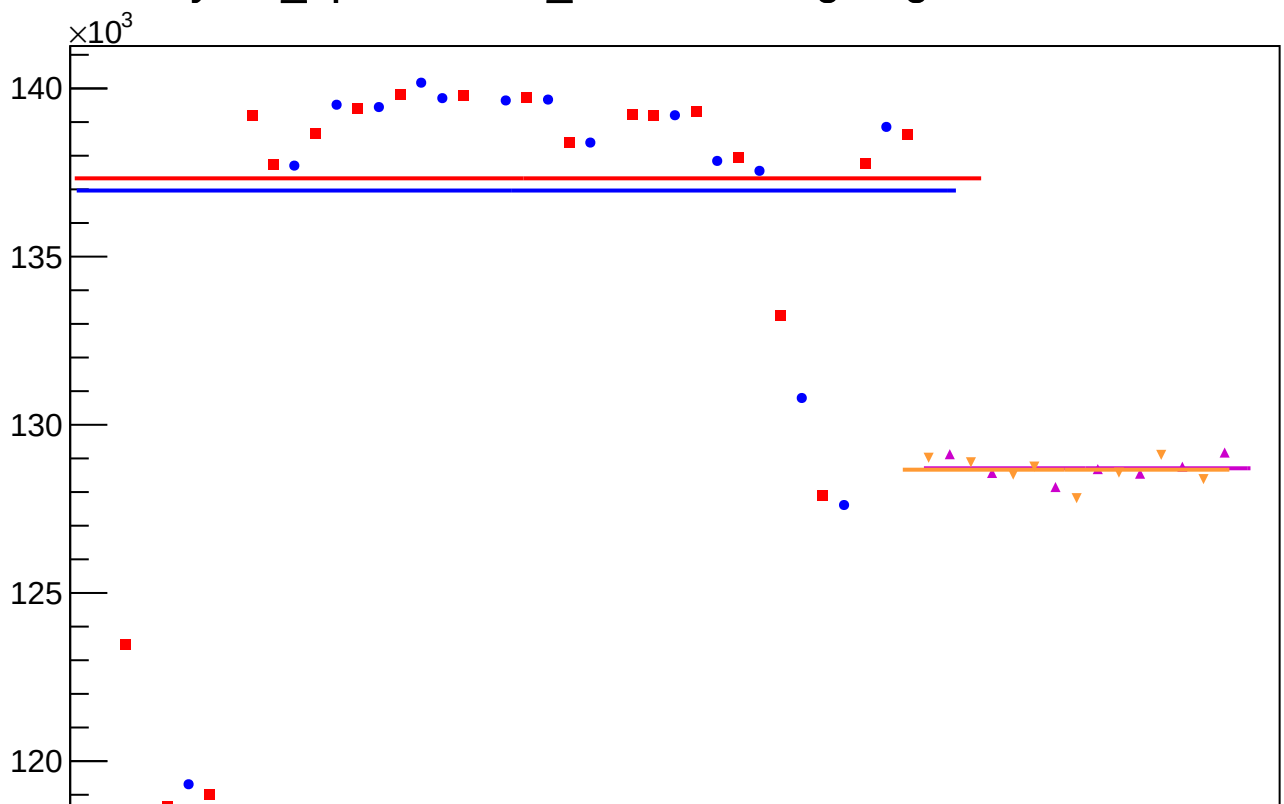
Left: 516.059+/-0.112 χ^2/NDF: 771453.6/14

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 452.523+/-0.096 χ^2/NDF:1721186.6/22

Out: 468.145+/-0.097 χ^2/NDF:1393661.8/26

All: 460.291+/-0.068 χ^2/NDF: 3127902.5/49



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: 128707.135+/-0.077 χ^2/NDF:22171590.0/6

Left: 128685.647+/-0.053 χ^2/NDF: 49663443.3/14

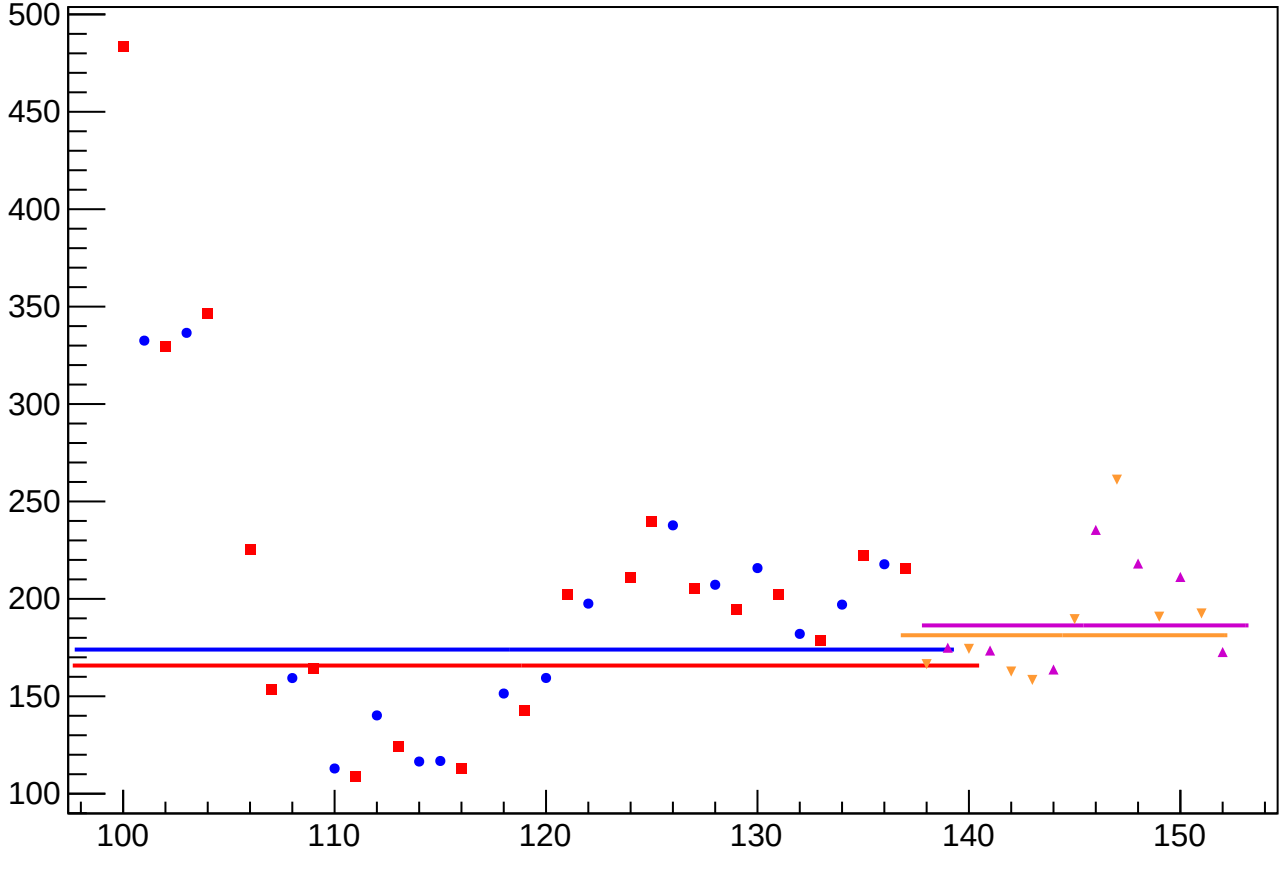
Right: 137157.181+/-0.048 χ^2/NDF: 1155984872

In: 133228.741+/-0.052 χ^2/NDF:12175818435.2/

Out: 133543.256+/-0.049 χ^2/NDF:13375637732.9

All: 133393.315+/-0.036 χ^2/NDF: 2557089

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: 186.377+/-0.054 χ^2/NDF:196051.8/6

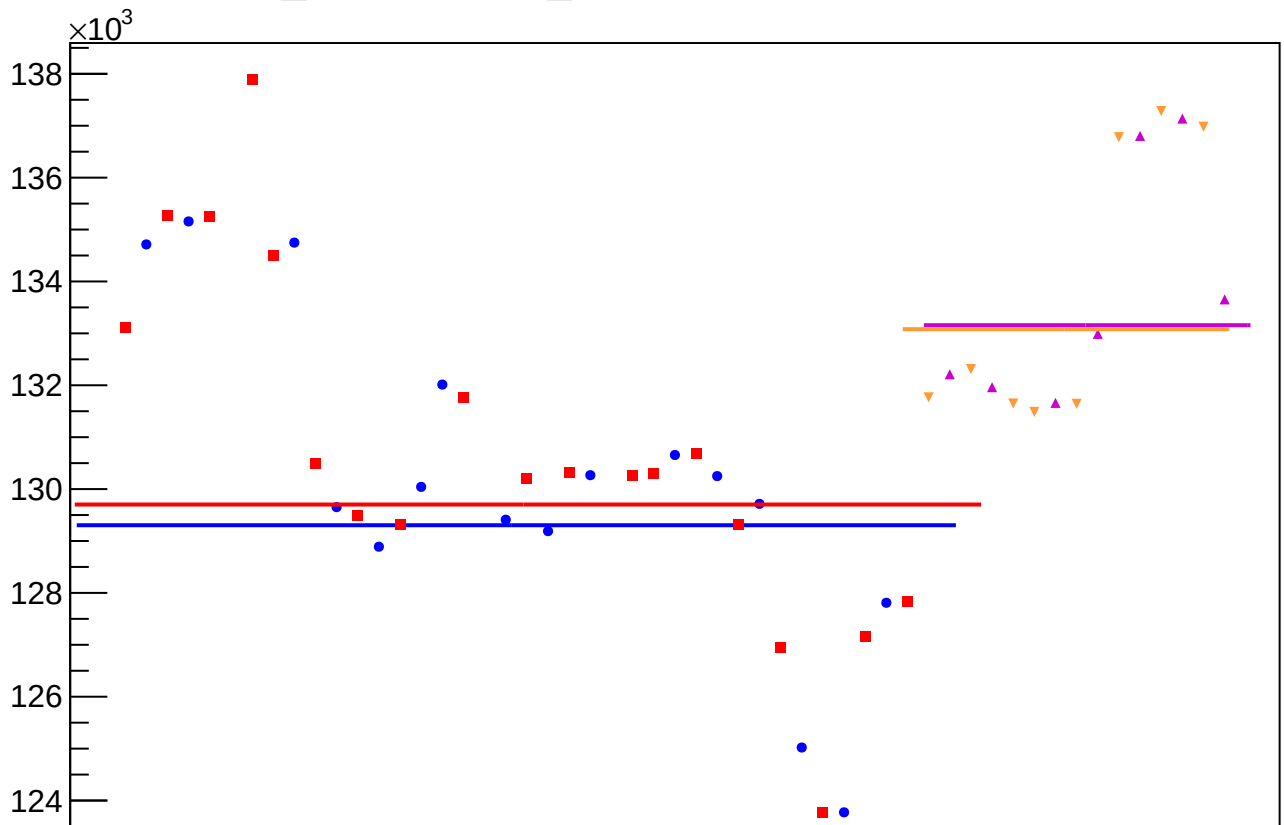
Left: 183.778+/-0.038 χ^2/NDF: 425243.4/14

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 179.590+/-0.036 χ^2/NDF:1413140.7/22

Out: 172.572+/-0.035 χ^2/NDF:1706918.6/26

All: 175.918+/-0.025 χ^2/NDF: 3139421.1/49



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: 133157.106+/-0.079 χ^2/NDF:550598729.1/6

Left: 133118.019+/-0.055 χ^2/NDF: 1445985724.3/1

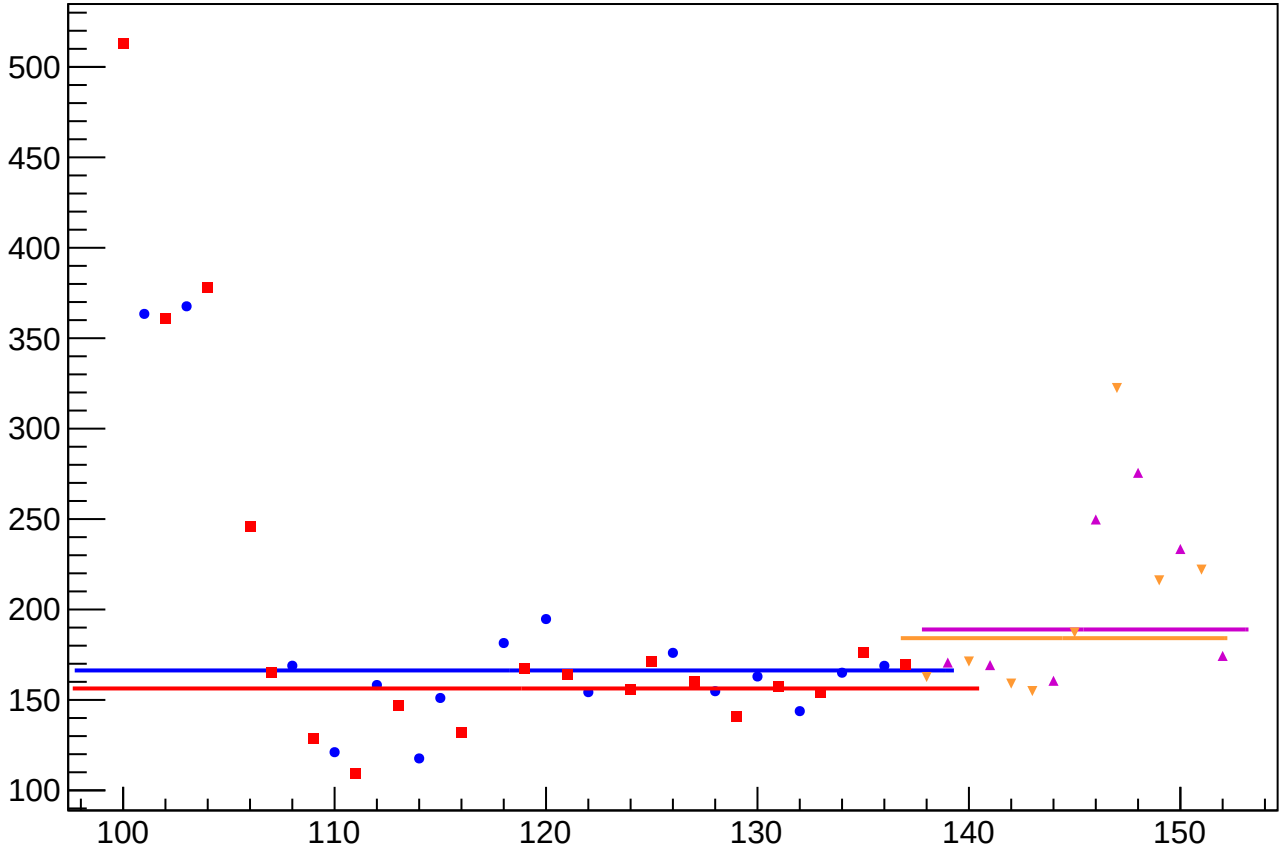
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130900.457+/-0.051 χ^2/NDF:3604552031.5/22

Out: 131022.182+/-0.048 χ^2/NDF:3849629218.6/2

All: 130964.549+/-0.035 χ^2/NDF: 74572208

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: 188.958+/-0.056 χ^2/NDF:436682.8/6

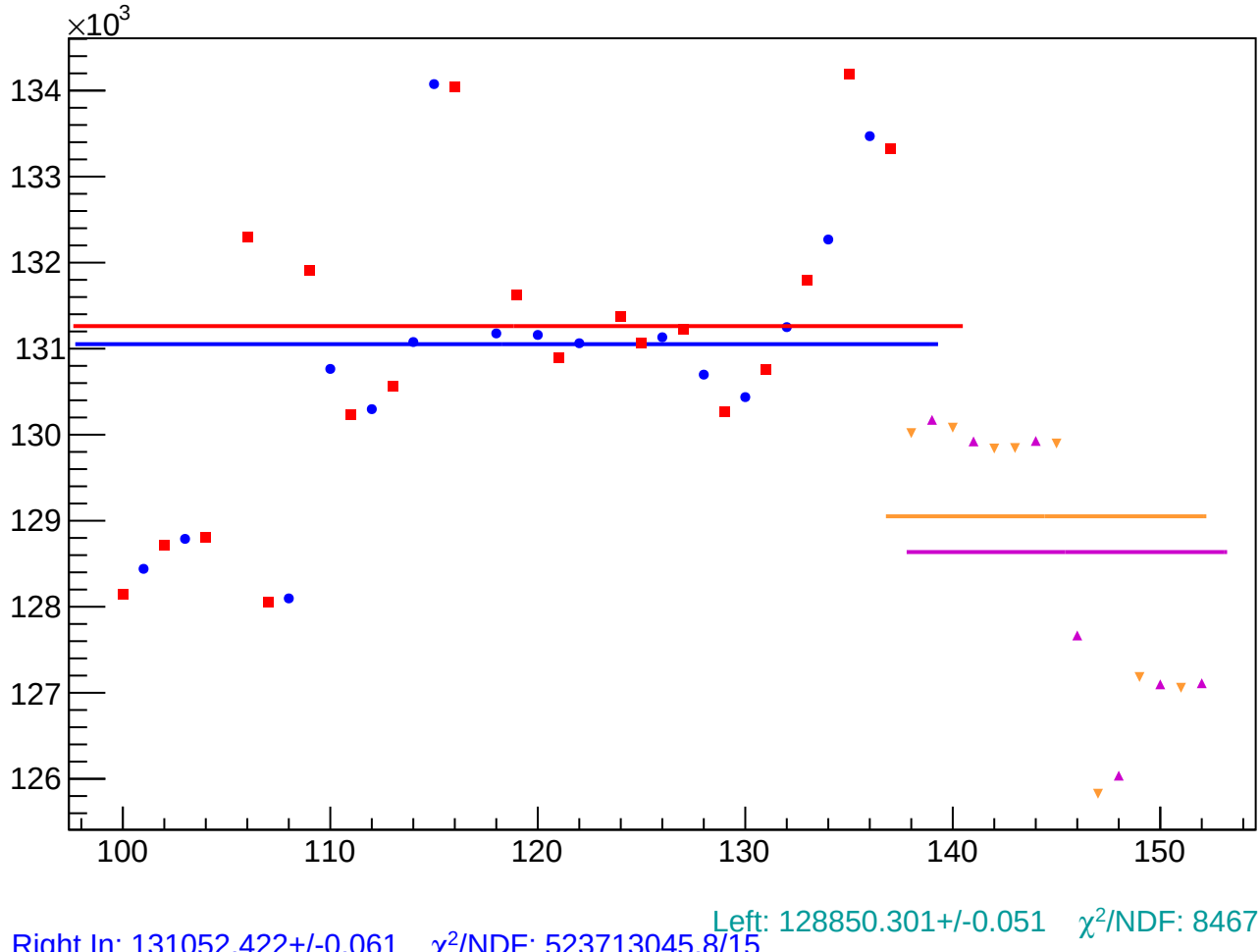
Left: 186.497+/-0.039 χ^2/NDF: 936702.8/14

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 175.690+/-0.036 χ^2/NDF:1471682.3/22

Out: 167.200+/-0.034 χ^2/NDF:1828644.9/26

All: 171.220+/-0.025 χ^2/NDF: 3329896.4/49



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: 128635.952+/-0.074 χ^2/NDF:432579536.8/6

Left: 128850.301+/-0.051 χ^2/NDF: 846712047.4/14

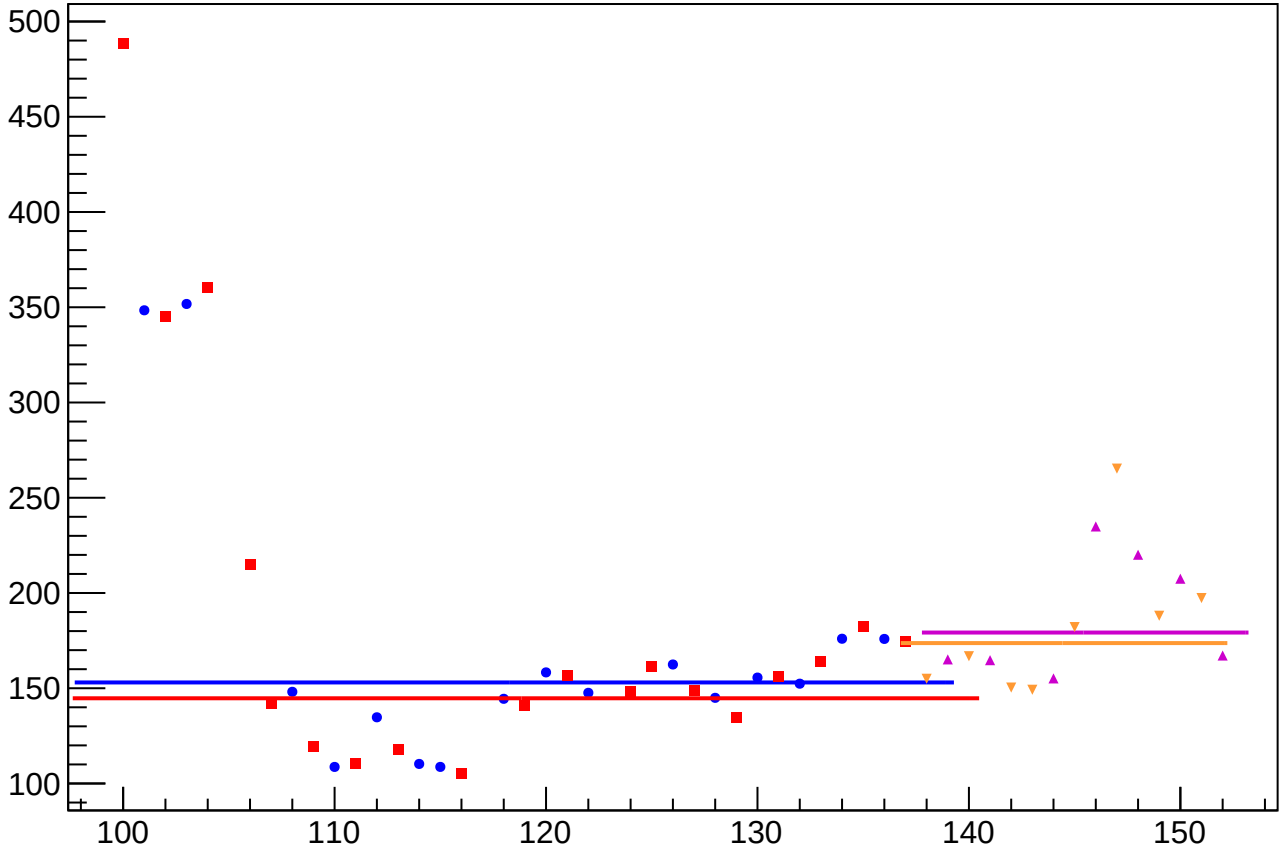
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 130081.355+/-0.047 χ^2/NDF:1594419392.9/22

Out: 130411.727+/-0.044 χ^2/NDF:1587757450.9/2

All: 130255.400+/-0.032 χ^2/NDF: 32083186

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: 179.240+/-0.052 χ^2/NDF:263890.3/6

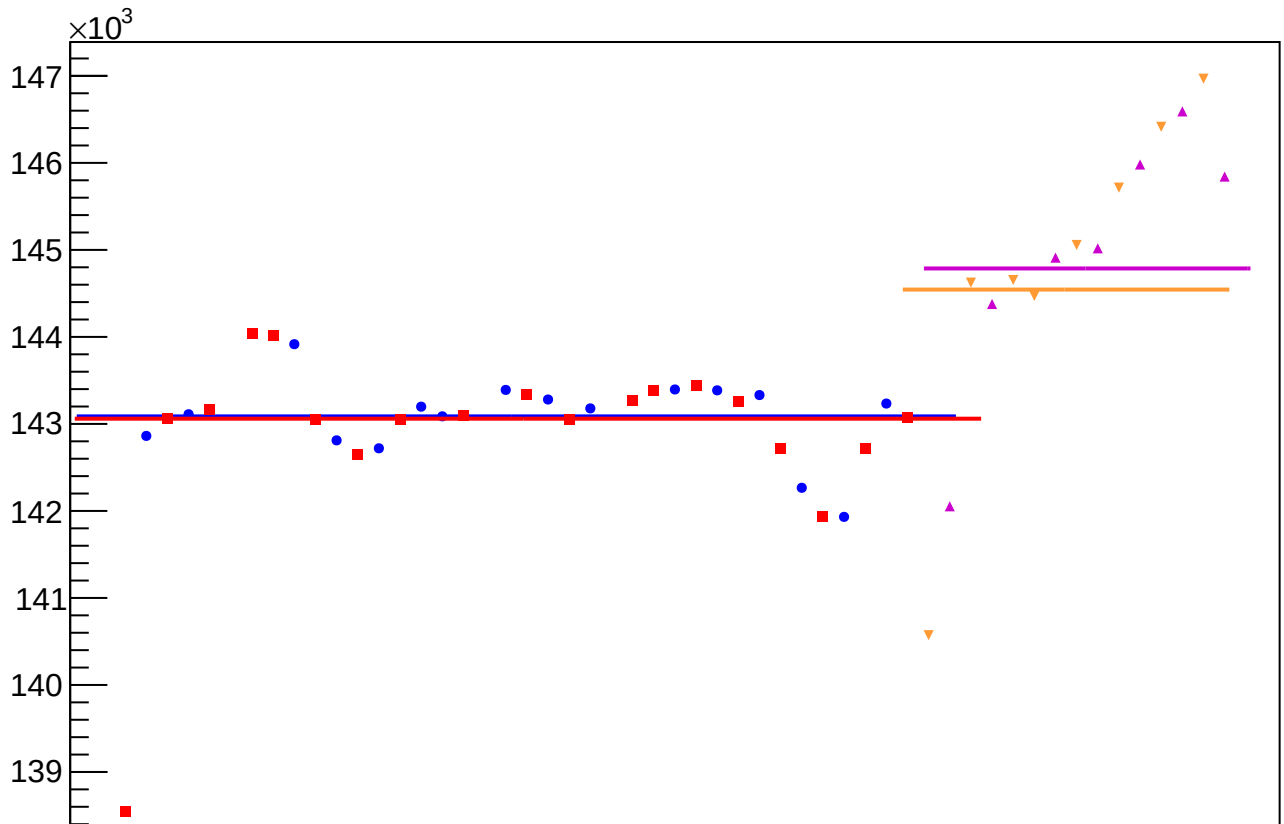
Left: 176.386+/-0.036 χ^2/NDF: 589658.2/14

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 163.570+/-0.033 χ^2/NDF:1473362.6/22

Out: 155.878+/-0.031 χ^2/NDF:1784622.2/26

All: 159.518+/-0.023 χ^2/NDF: 3286328.8/49



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: 144786.671+/-0.086 χ^2/NDF:274855316.6/6

Left: 144663.141+/-0.060 χ^2/NDF: 817739387.5/14

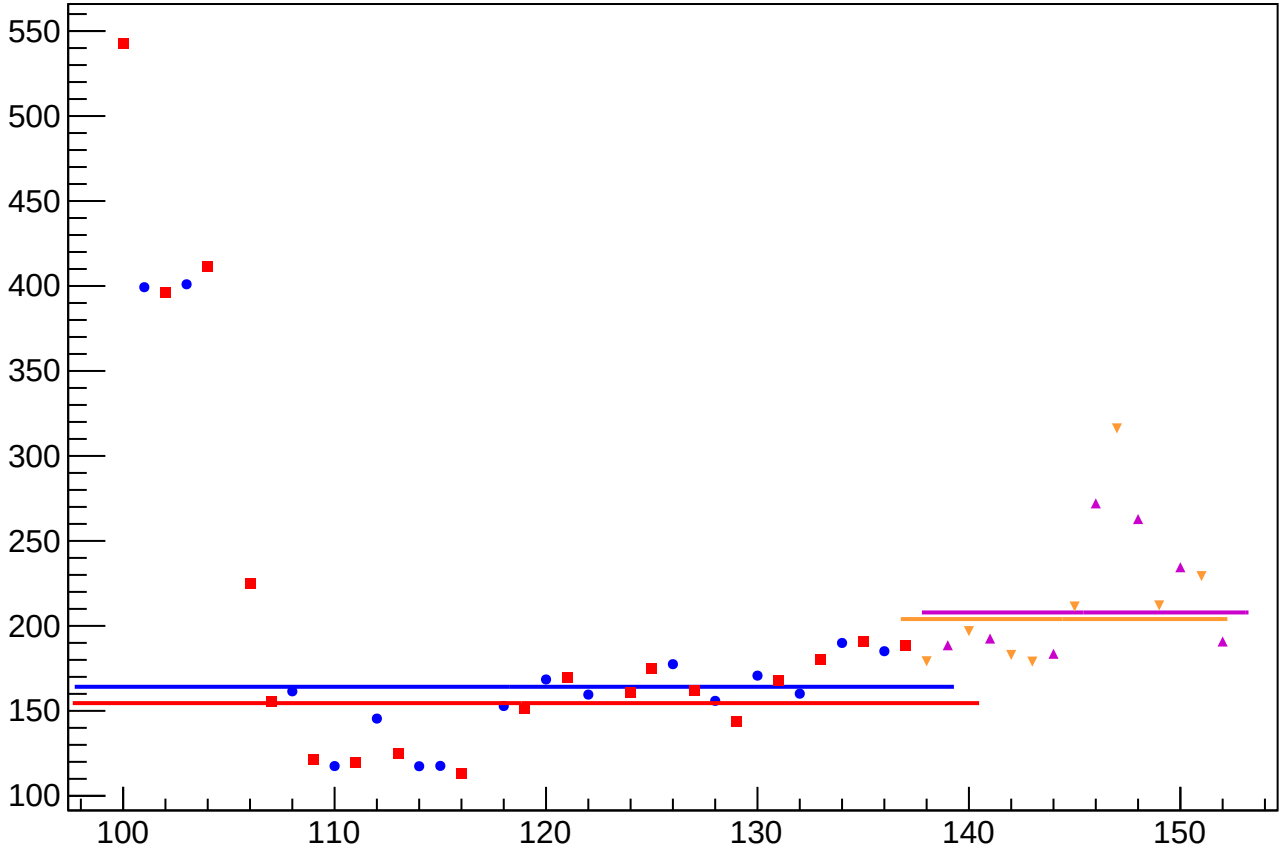
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143705.806+/-0.052 χ^2/NDF:570169945.5/22

Out: 143565.097+/-0.049 χ^2/NDF:794127247.3/26

All: 143631.802+/-0.036 χ^2/NDF: 13681641

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: 207.903+/-0.061 χ^2/NDF:263443.9/6

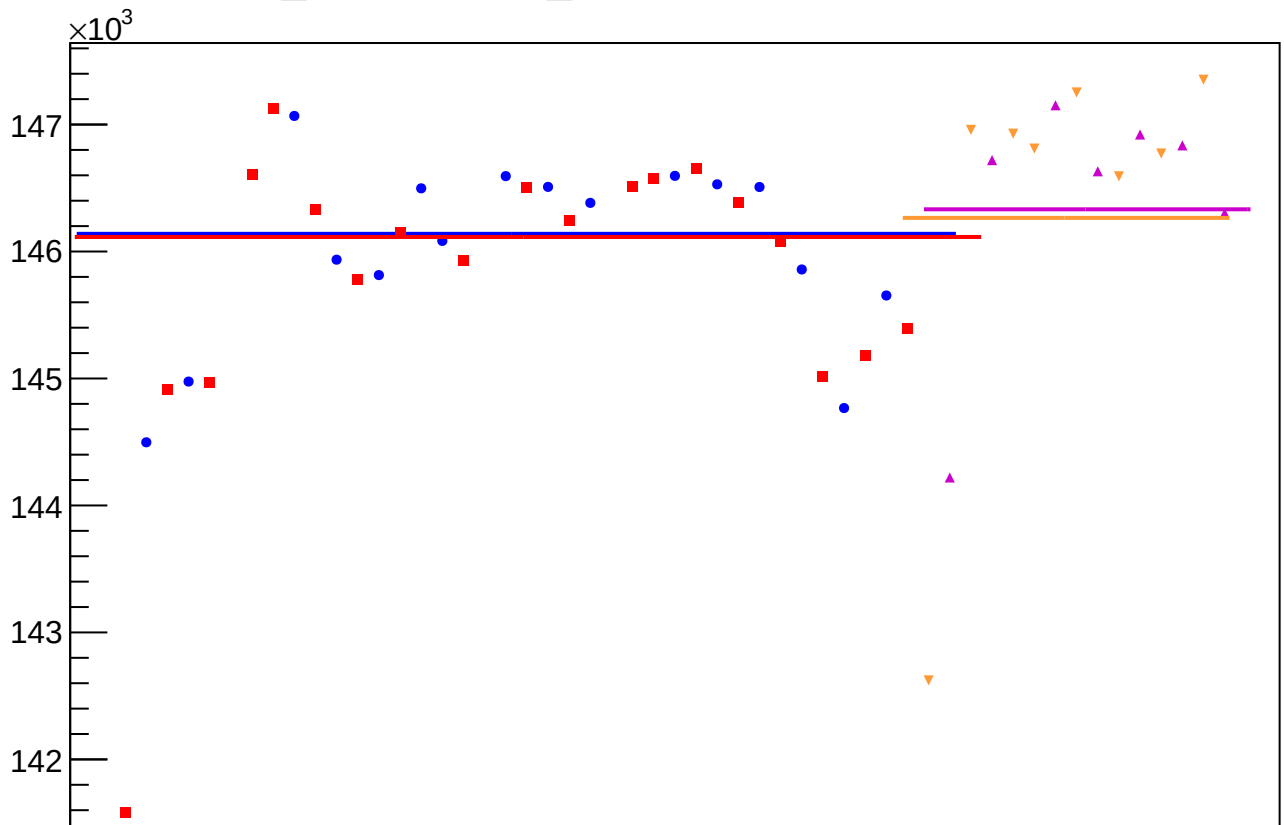
Left: 205.924+/-0.043 χ^2/NDF: 568869.9/14

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 180.098+/-0.037 χ^2/NDF:1722209.7/22

Out: 171.386+/-0.035 χ^2/NDF:2122586.7/26

All: 175.516+/-0.025 χ^2/NDF: 3874449.3/49



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: 146332.400+/-0.085 χ^2/NDF:136154042.9/6

Left: 146297.655+/-0.060 χ^2/NDF: 511073511.9/14

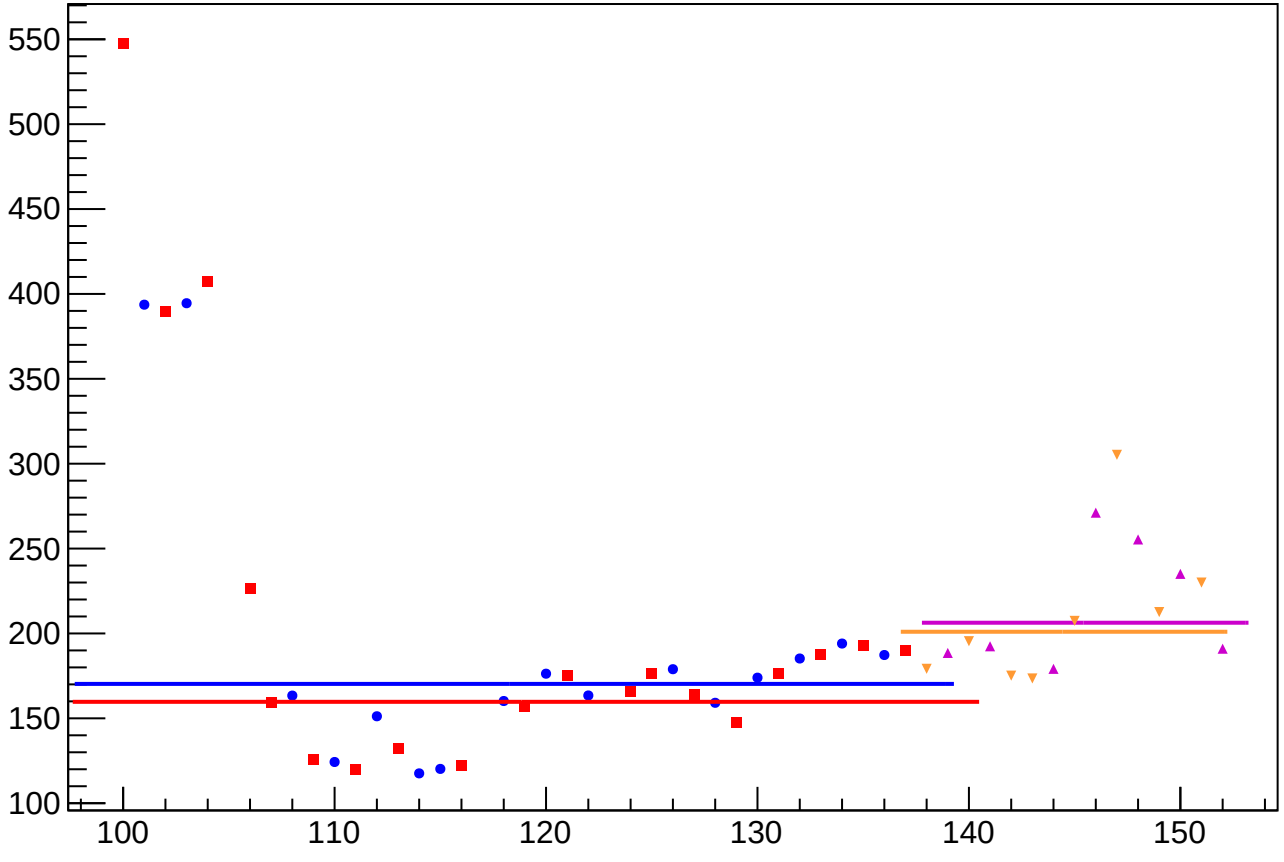
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146213.412+/-0.053 χ^2/NDF:211030618.4/22

Out: 146168.711+/-0.050 χ^2/NDF:449786954.3/26

All: 146189.780+/-0.036 χ^2/NDF: 66119515

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: 206.317+/-0.060 χ^2/NDF:260535.2/6

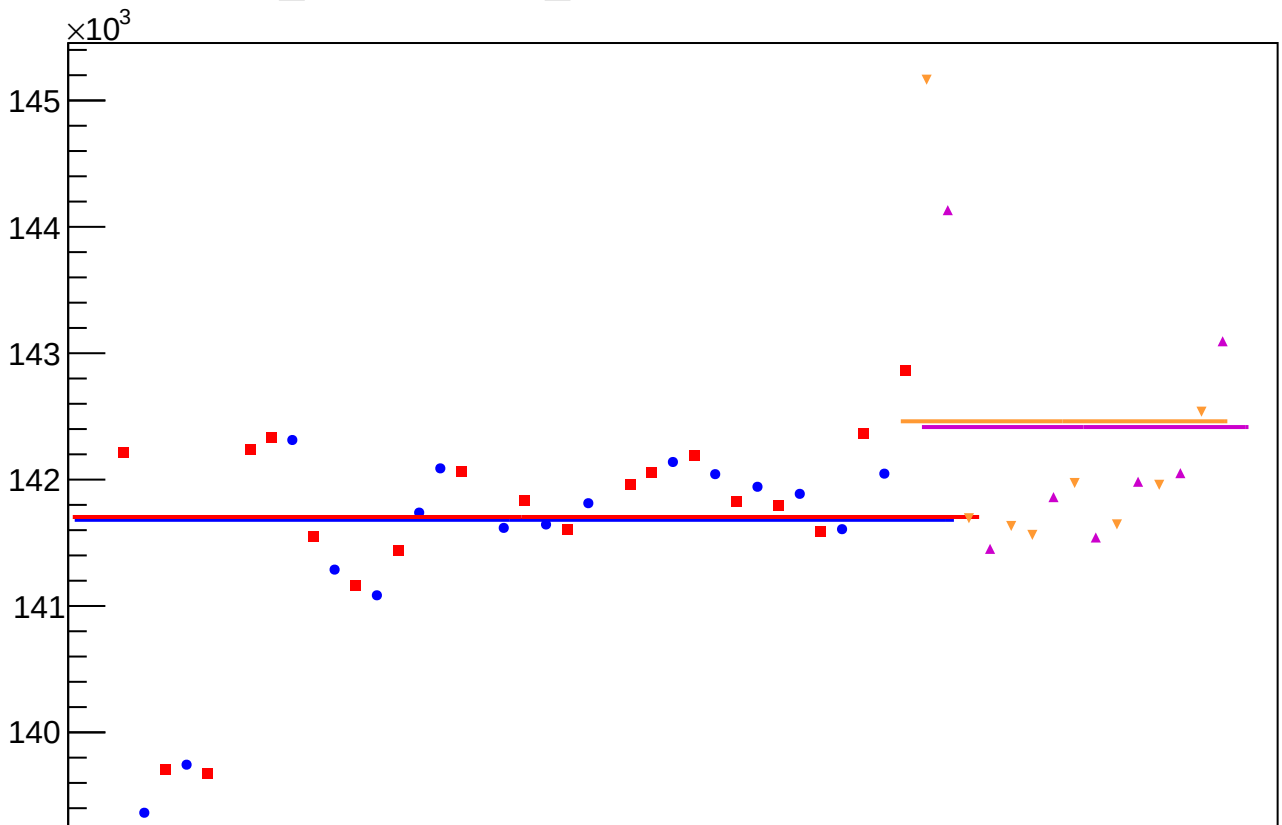
Left: 203.588+/-0.042 χ^2/NDF: 569707.8/14

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 184.117+/-0.037 χ^2/NDF:1537787.8/22

Out: 174.628+/-0.035 χ^2/NDF:1911650.4/26

All: 179.100+/-0.026 χ^2/NDF: 3483473.2/49



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: 142415.842+/-0.091 χ^2/NDF:106209713.7/6

Left: 142438.970+/-0.064 χ^2/NDF: 311302343.1/14

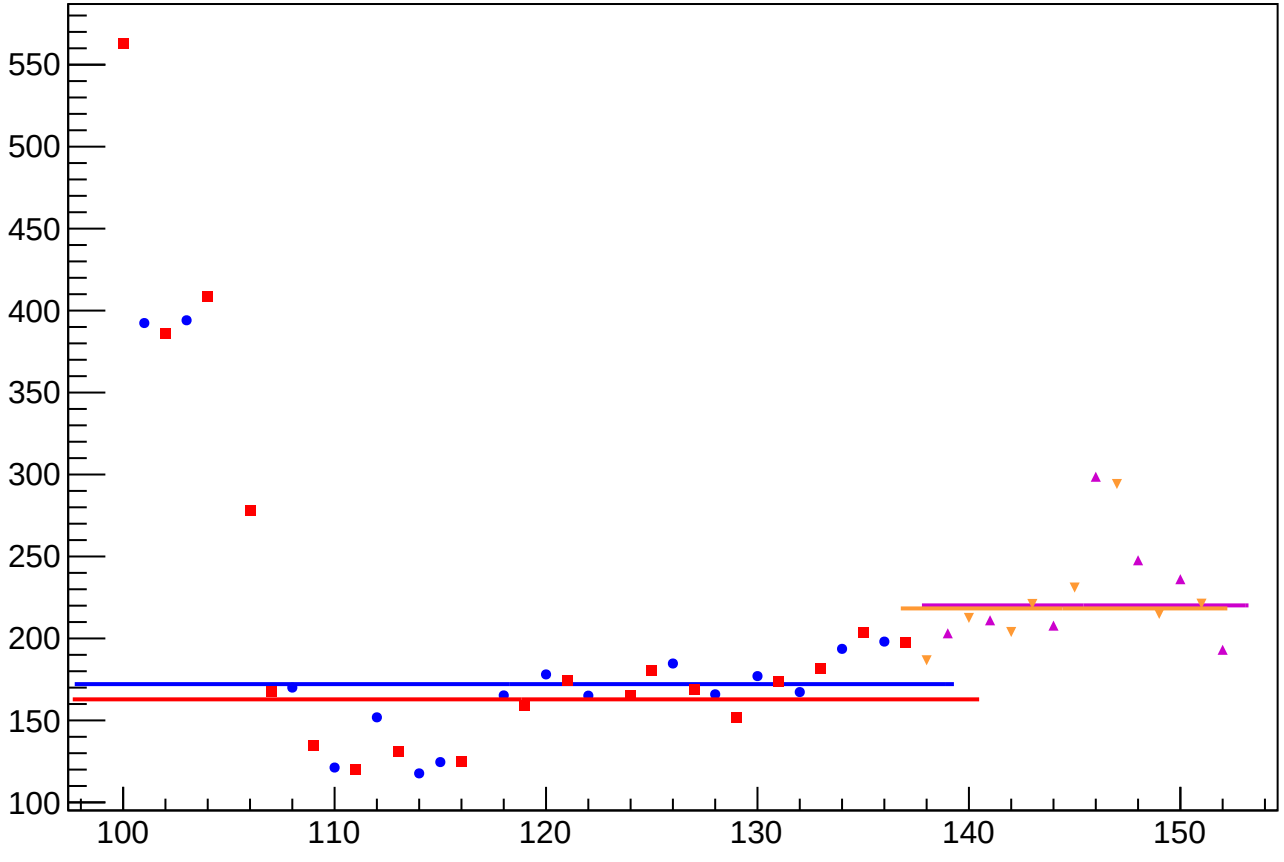
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 141946.739+/-0.055 χ^2/NDF:212219037.7/22

Out: 141959.537+/-0.052 χ^2/NDF:318002794.0/26

All: 141953.455+/-0.038 χ^2/NDF: 53025068

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: 220.164+/-0.064 χ^2/NDF:201993.2/6

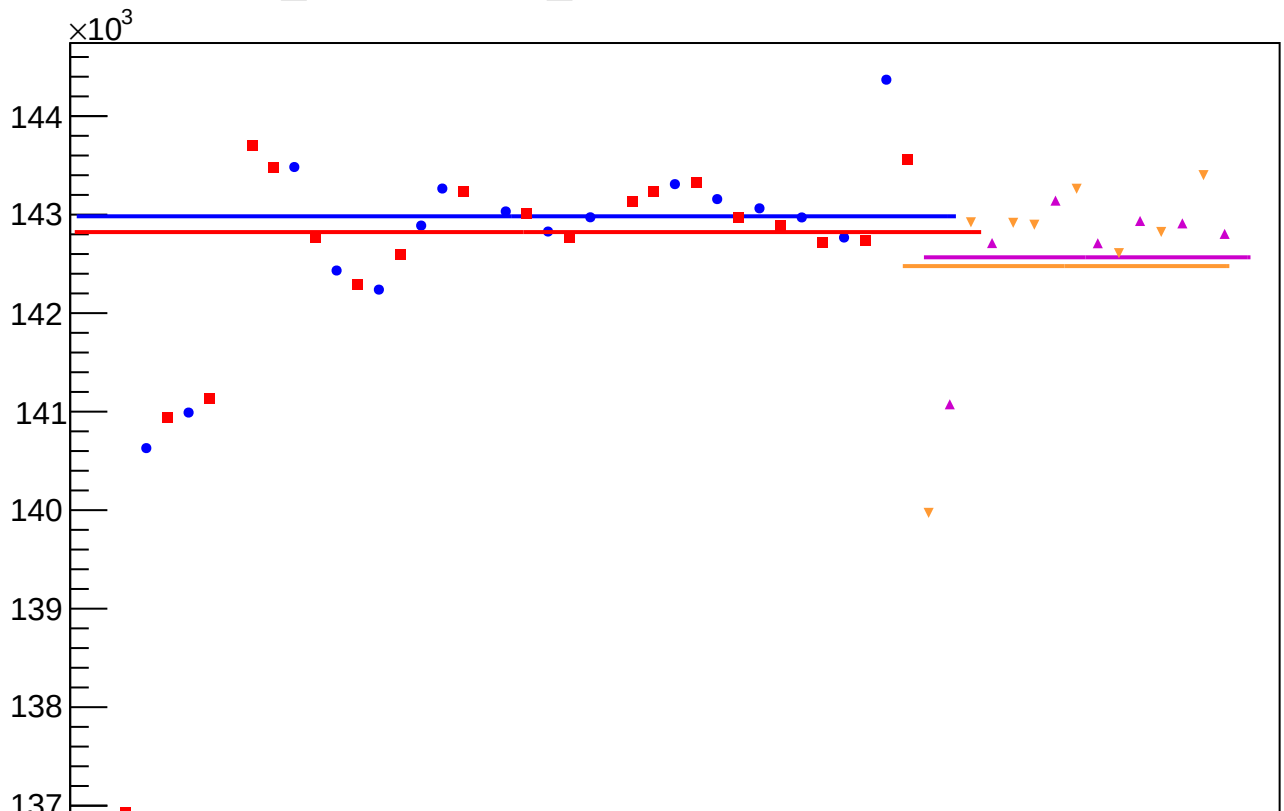
Left: 219.223+/-0.045 χ^2/NDF: 366549.1/14

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 189.471+/-0.039 χ^2/NDF:1627763.9/22

Out: 181.549+/-0.037 χ^2/NDF:1979847.8/26

All: 185.314+/-0.027 χ^2/NDF: 3629721.9/49



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: 142566.718+/-0.084 χ^2/NDF:70879138.6/6

Left: 142520.882+/-0.058 χ^2/NDF: 271031805.8/14

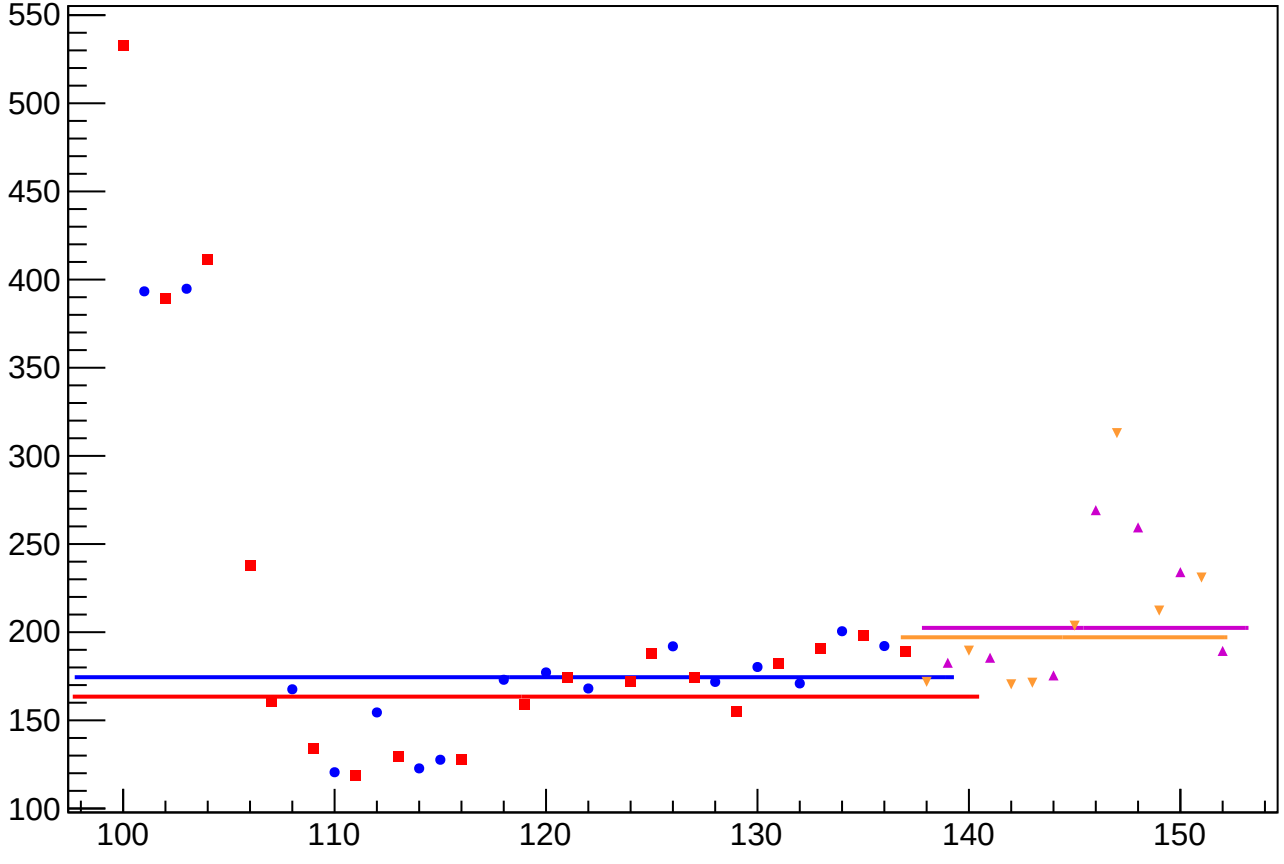
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142814.464+/-0.053 χ^2/NDF:193265133.3/22

Out: 142691.090+/-0.050 χ^2/NDF:274236836.6/26

All: 142749.274+/-0.037 χ^2/NDF: 47033144

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: 202.441+/-0.059 χ^2/NDF:301118.6/6

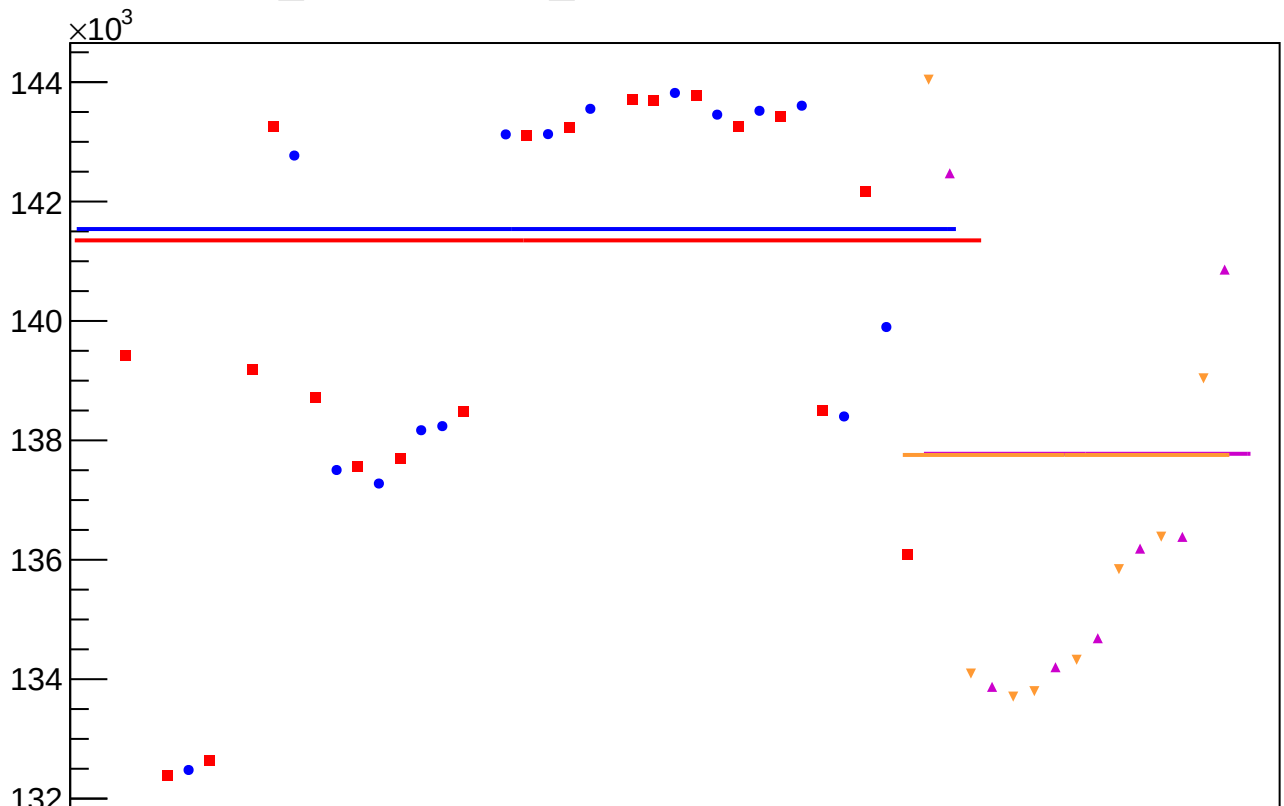
Left: 199.703+/-0.041 χ^2/NDF: 666868.6/14

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 185.793+/-0.038 χ^2/NDF:1482917.4/22

Out: 176.280+/-0.036 χ^2/NDF:1854770.6/26

All: 180.767+/-0.026 χ^2/NDF: 3371330.3/49



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: 137775.242+/-0.131 χ^2/NDF:731737247.8/6

Left: 137765.393+/-0.092 χ^2/NDF: 1807864038.5/1

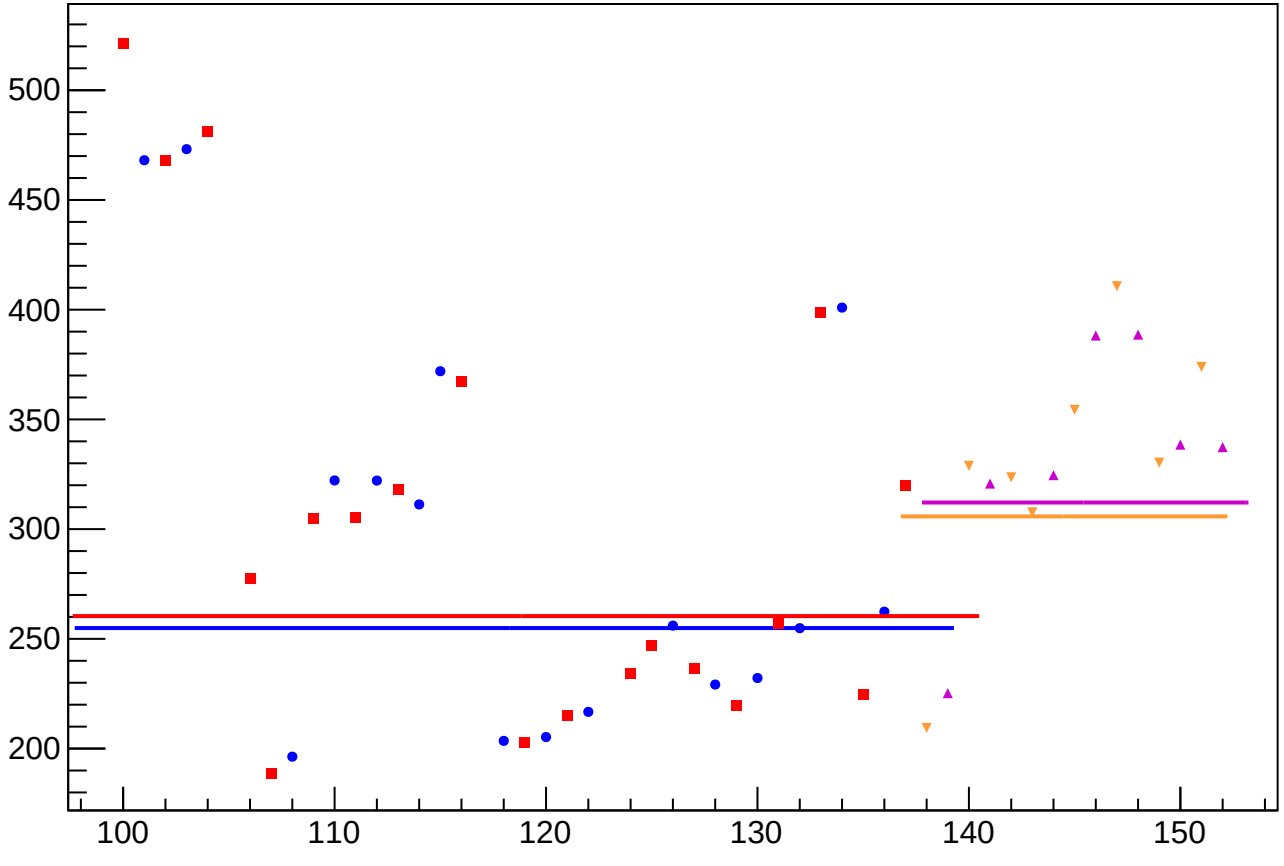
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140140.981+/-0.080 χ^2/NDF:2197470781.4/22

Out: 139973.742+/-0.079 χ^2/NDF:2486894180.7/2

All: 140056.804+/-0.056 χ^2/NDF: 46865690

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: 312.131+/-0.093 χ^2/NDF:390841.0/6

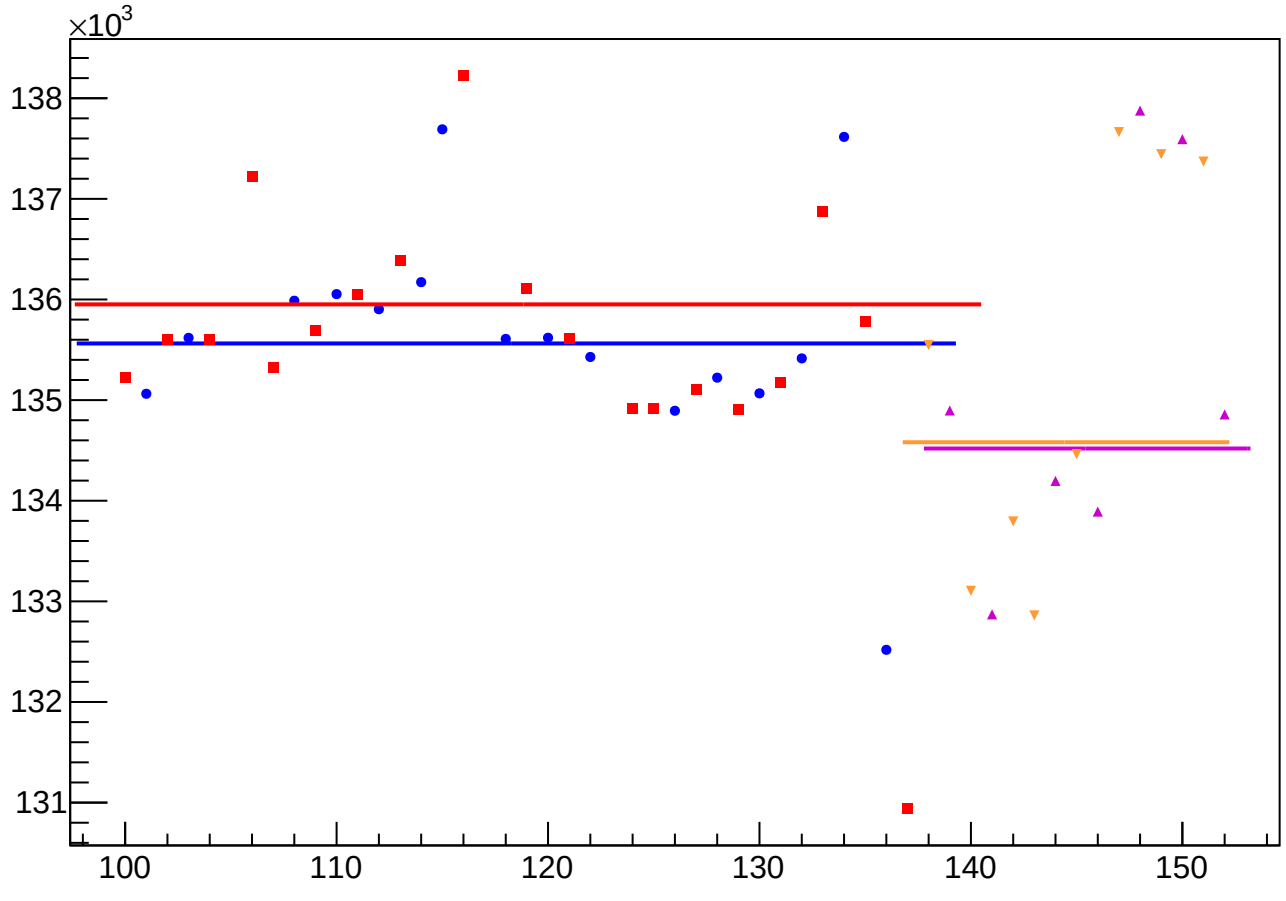
Left: 308.892+/-0.065 χ^2/NDF: 920172.0/14

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

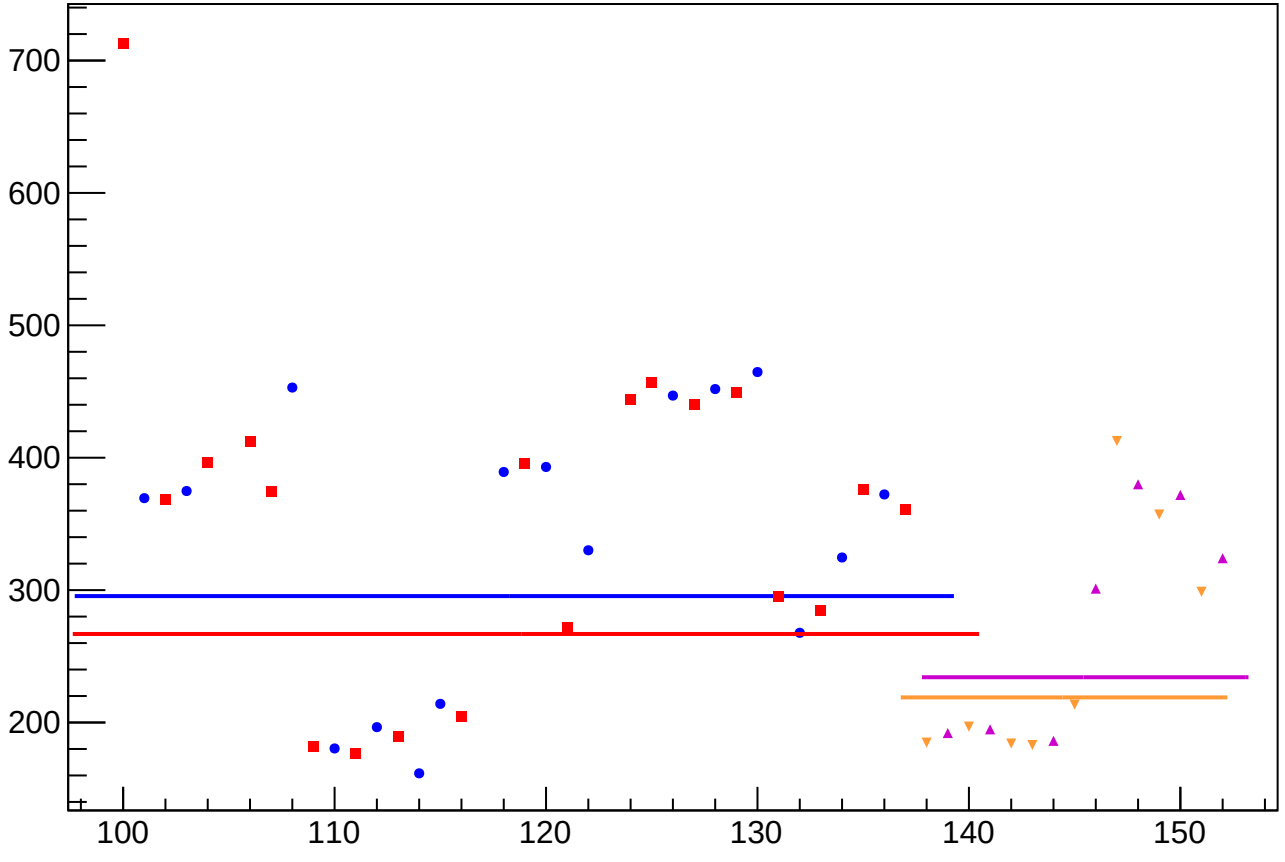
In: 276.175+/-0.057 χ^2/NDF:1580112.6/22

Out: 277.758+/-0.056 χ^2/NDF:1674934.4/26

All: 276.972+/-0.040 χ^2/NDF: 3255442.1/49


yield_bpm0r05WS_mean vs Slug, Sign Corrected
×10^3
138
137
136
135
134
133
132
131
100
110
120
130
140
150
Right In: 135563.062+/-0.118 χ²/NDF: 94169293.7/15
Left Out: 134581.339+/-0.093 χ²/NDF:306280363.3/7
Right Out: 135951.486+/-0.106 χ²/NDF: 91577209.6/18
Left In: 134518.943+/-0.100 χ²/NDF:196181703.0/6
Left: 134552.344+/-0.068 χ²/NDF: 502669118.6/14
Right: 135777.958+/-0.079 χ²/NDF: 191705440.0/3
In: 134955.521+/-0.077 χ²/NDF:335636646.1/22
Out: 135178.484+/-0.070 χ²/NDF:491493230.9/26
All: 135076.587+/-0.052 χ²/NDF: 831738547

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: 234.189+/-0.071 χ^2/NDF:963723.4/6

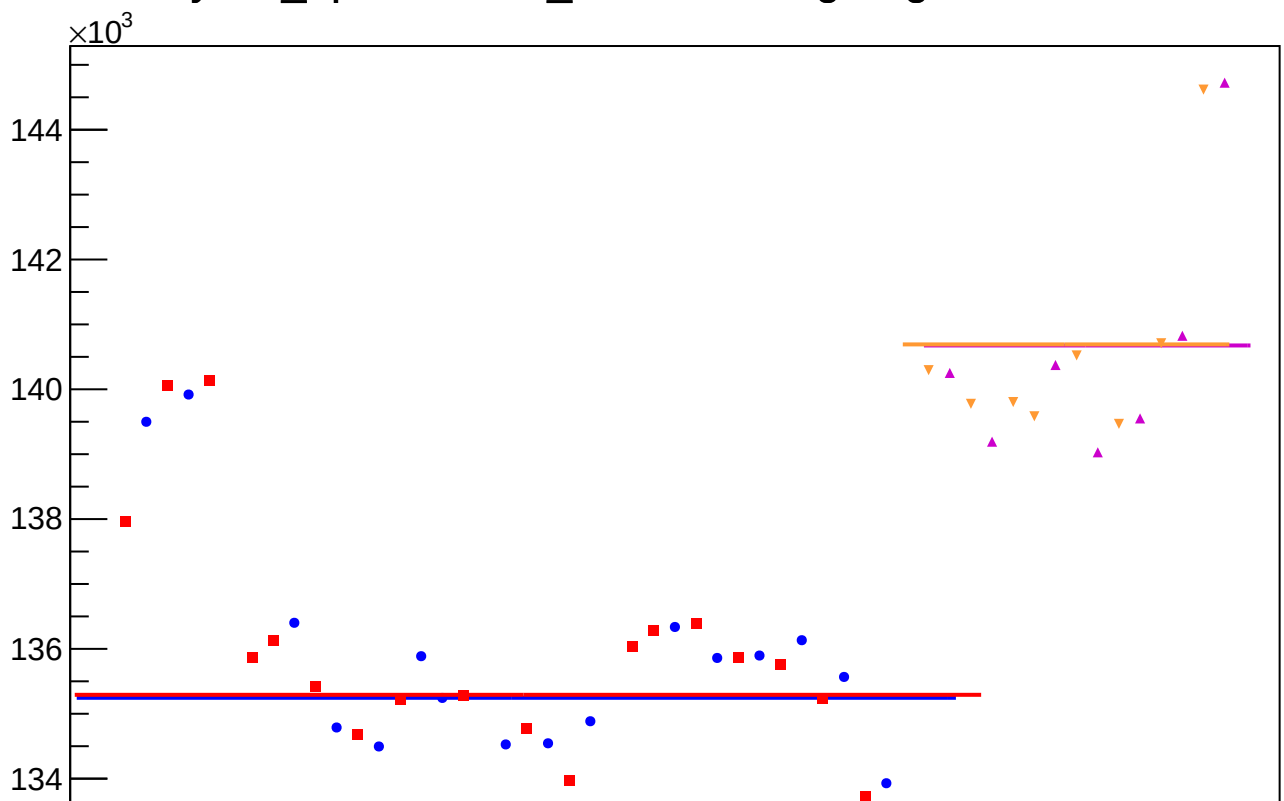
Left: 226.034+/-0.048 χ^2/NDF: 1874061.2/14

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 259.817+/-0.054 χ^2/NDF:2718359.4/22

Out: 239.835+/-0.050 χ^2/NDF:2792689.0/26

All: 248.967+/-0.037 χ^2/NDF: 5585081.9/49



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: 140675.471+/-0.083 χ^2/NDF:502570083.4/6

Left: 140684.048+/-0.057 χ^2/NDF: 952314330.8/14

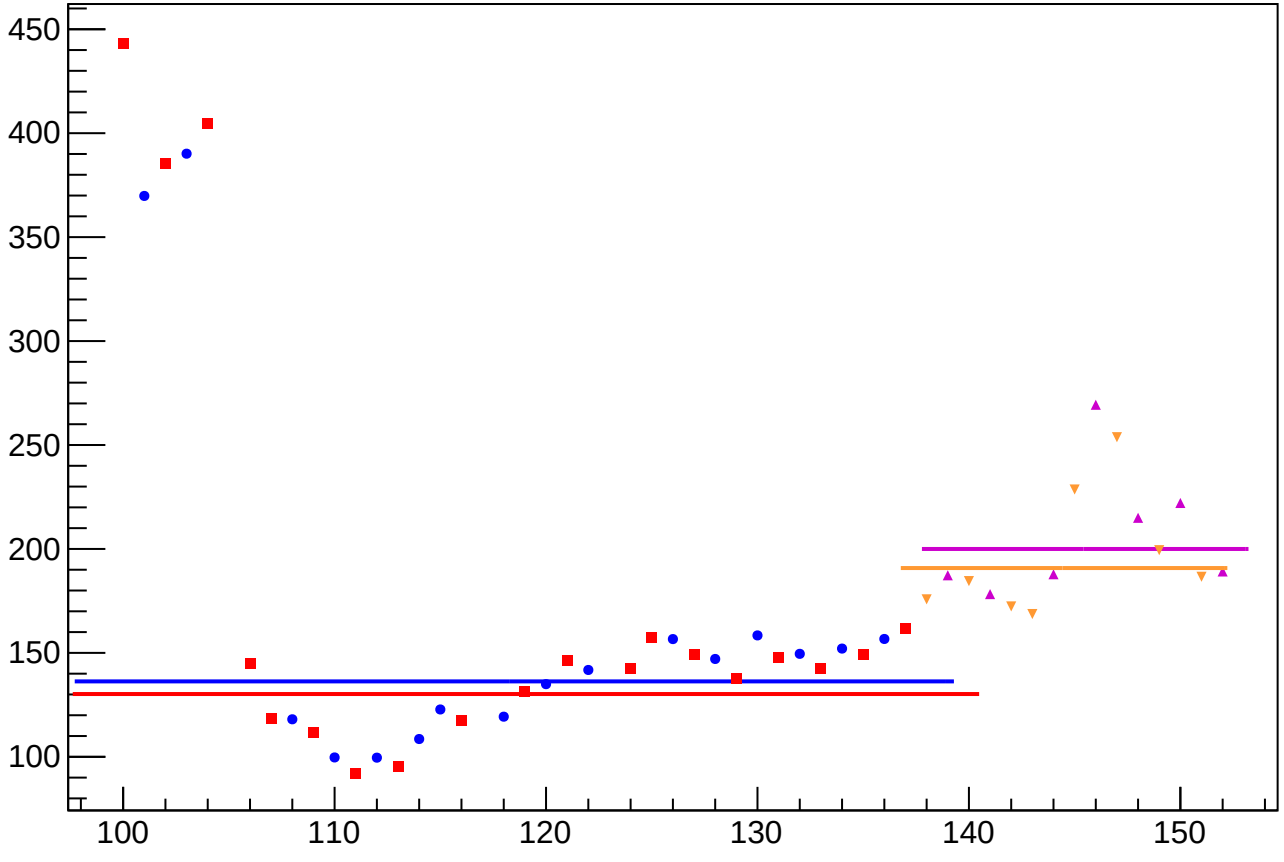
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 136898.912+/-0.046 χ^2/NDF:3887316413.6/22

Out: 136921.194+/-0.043 χ^2/NDF:4116880100.2/2

All: 136910.653+/-0.031 χ^2/NDF: 80043221

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: 199.988+/-0.058 χ^2/NDF:182767.5/6

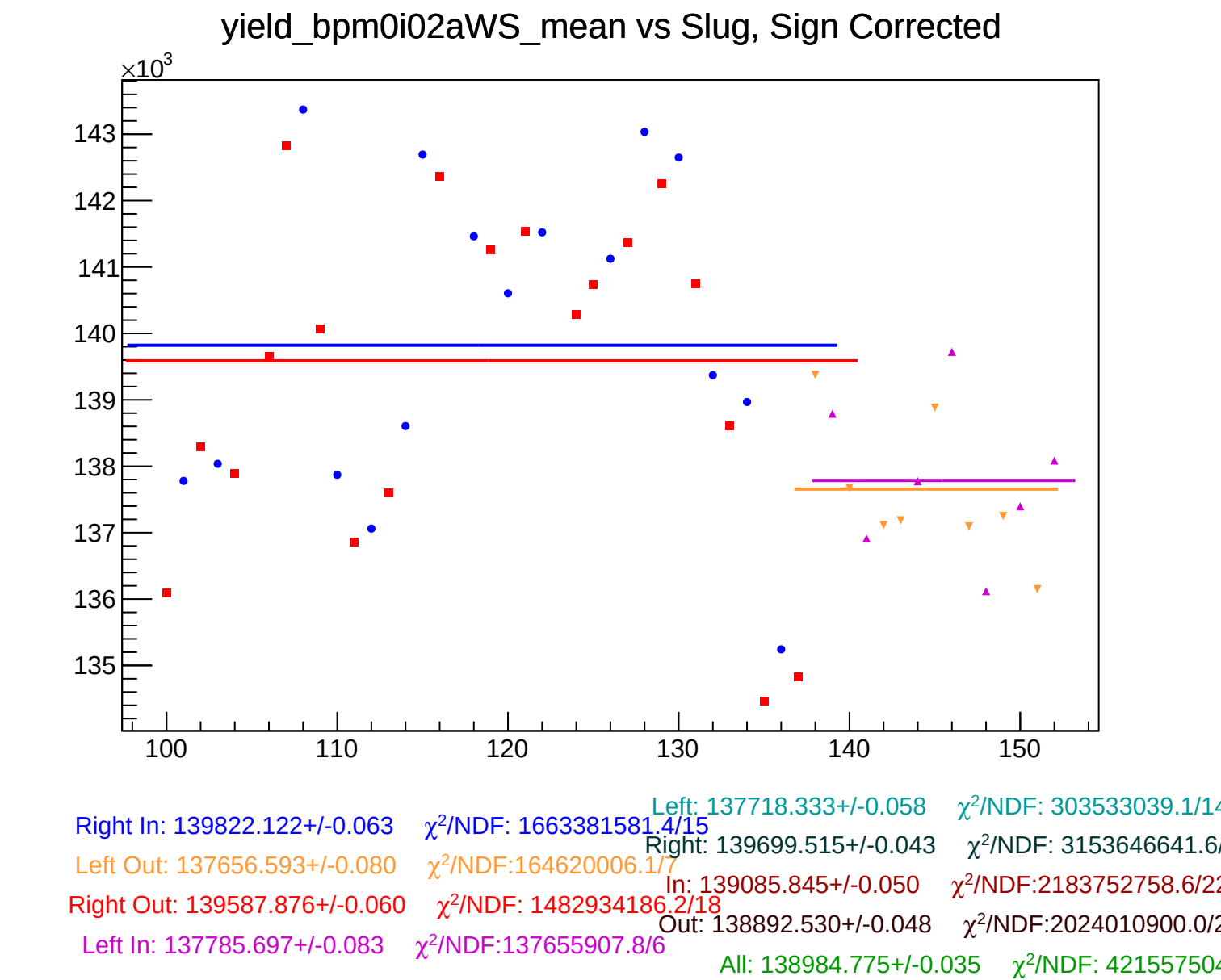
Left: 195.172+/-0.040 χ^2/NDF: 388141.9/14

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

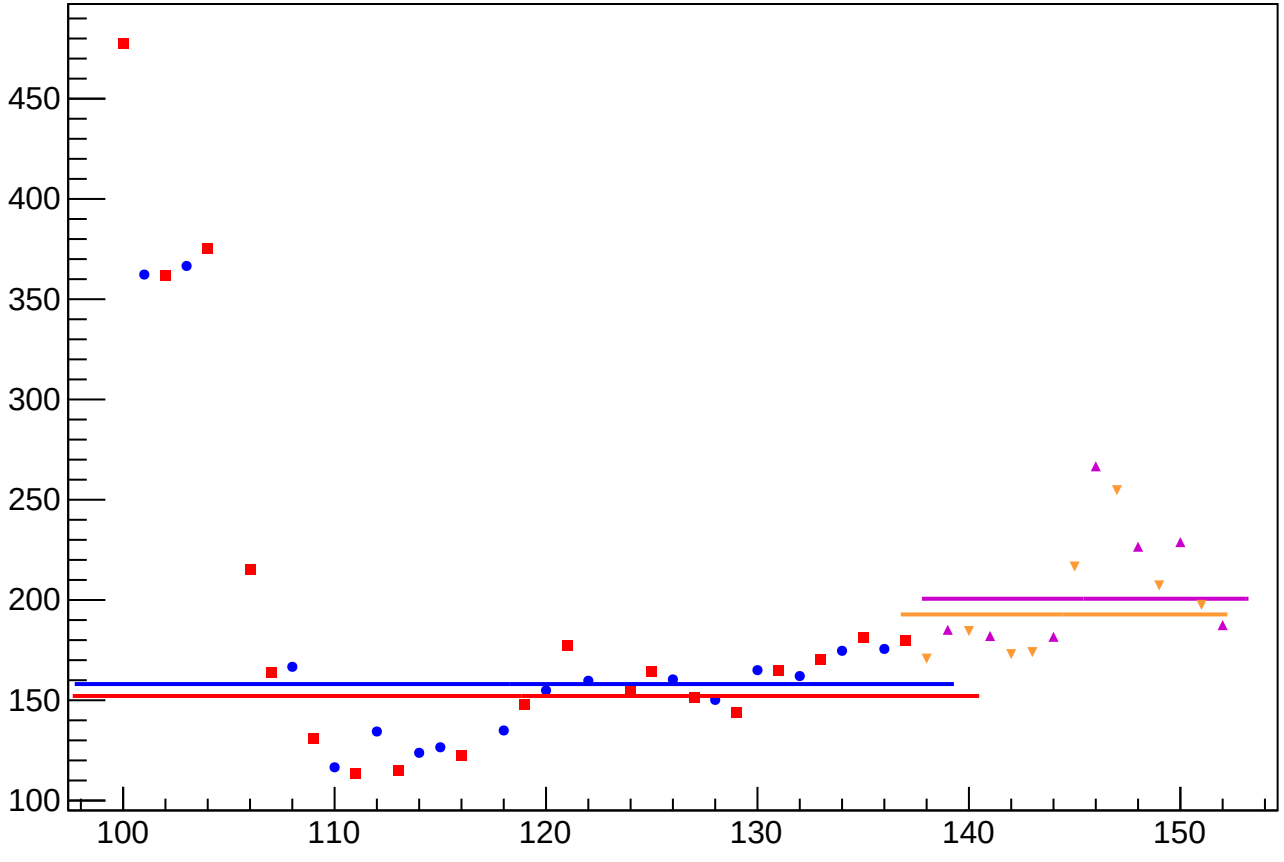
In: 155.676+/-0.032 χ^2/NDF:2391864.0/22

Out: 148.492+/-0.031 χ^2/NDF:2540949.5/26

All: 151.891+/-0.022 χ^2/NDF: 4958924.7/49


yield_bpm0i02aWS_mean vs Slug, Sign Corrected
×10^3
143
142
141
140
139
138
137
136
135
100
110
120
130
140
150
Right In: 139822.122+/-0.063 χ²/NDF: 1663381581.4/15
Left Out: 137656.593+/-0.080 χ²/NDF:164620006.1/7
Right Out: 139587.876+/-0.060 χ²/NDF: 1482934186.2/18
Left In: 137785.697+/-0.083 χ²/NDF:137655907.8/6
Left: 137718.333+/-0.058 χ²/NDF: 303533039.1/14
Right: 139699.515+/-0.043 χ²/NDF: 3153646641.6/
In: 139085.845+/-0.050 χ²/NDF:2183752758.6/22
Out: 138892.530+/-0.048 χ²/NDF:2024010900.0/2
All: 138984.775+/-0.035 χ²/NDF: 42155750

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: 200.626+/-0.059 χ^2/NDF:210411.5/6

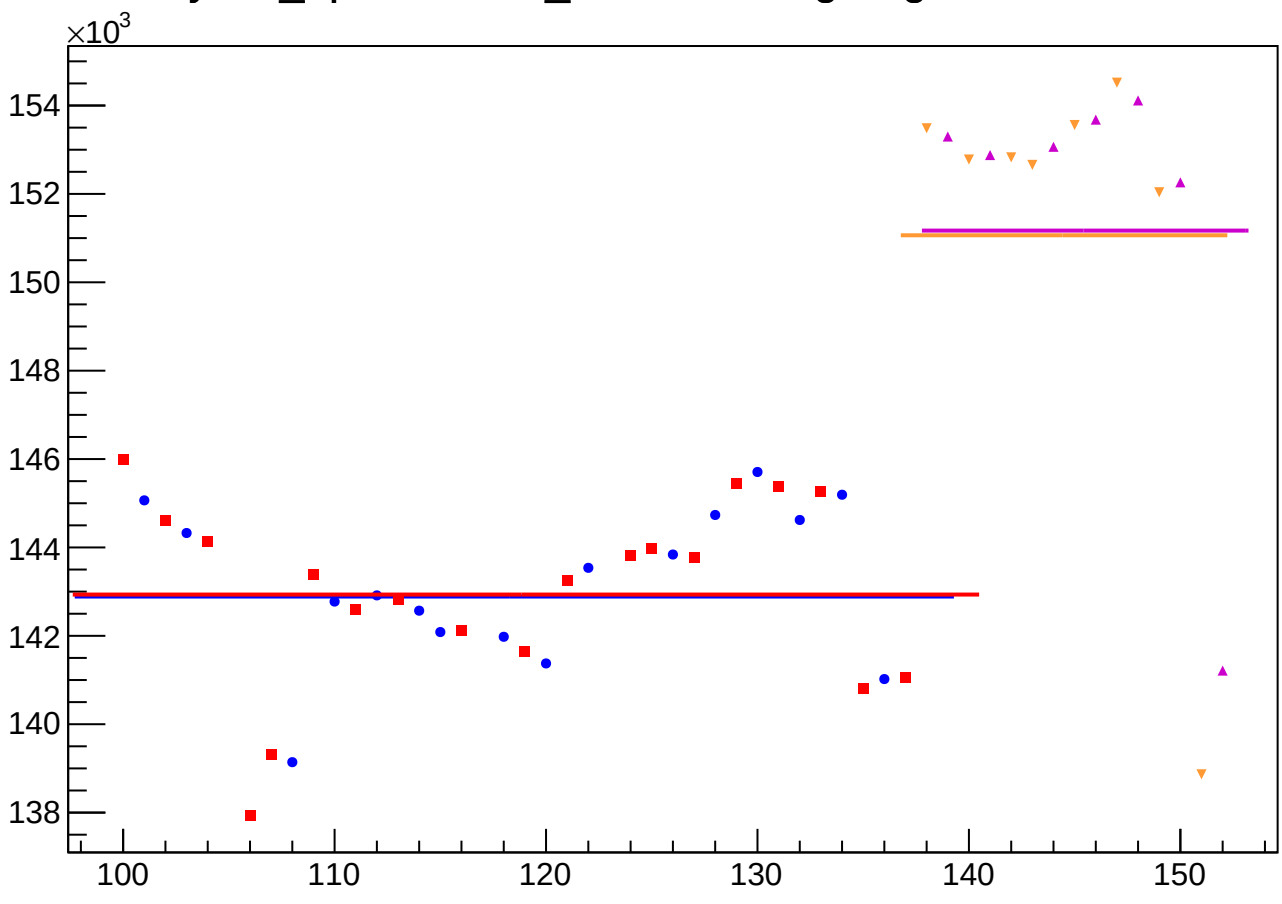
Left: 196.544+/-0.041 χ^2/NDF: 400268.2/14

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 173.462+/-0.035 χ^2/NDF:1562461.7/22

Out: 166.780+/-0.034 χ^2/NDF:1743460.9/26

All: 169.968+/-0.024 χ^2/NDF: 3324591.9/49



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: 151170.077+/-0.083 χ^2/NDF:2878942299.5/6

Left: 151114.981+/-0.058 χ^2/NDF: 6687104746.4/1

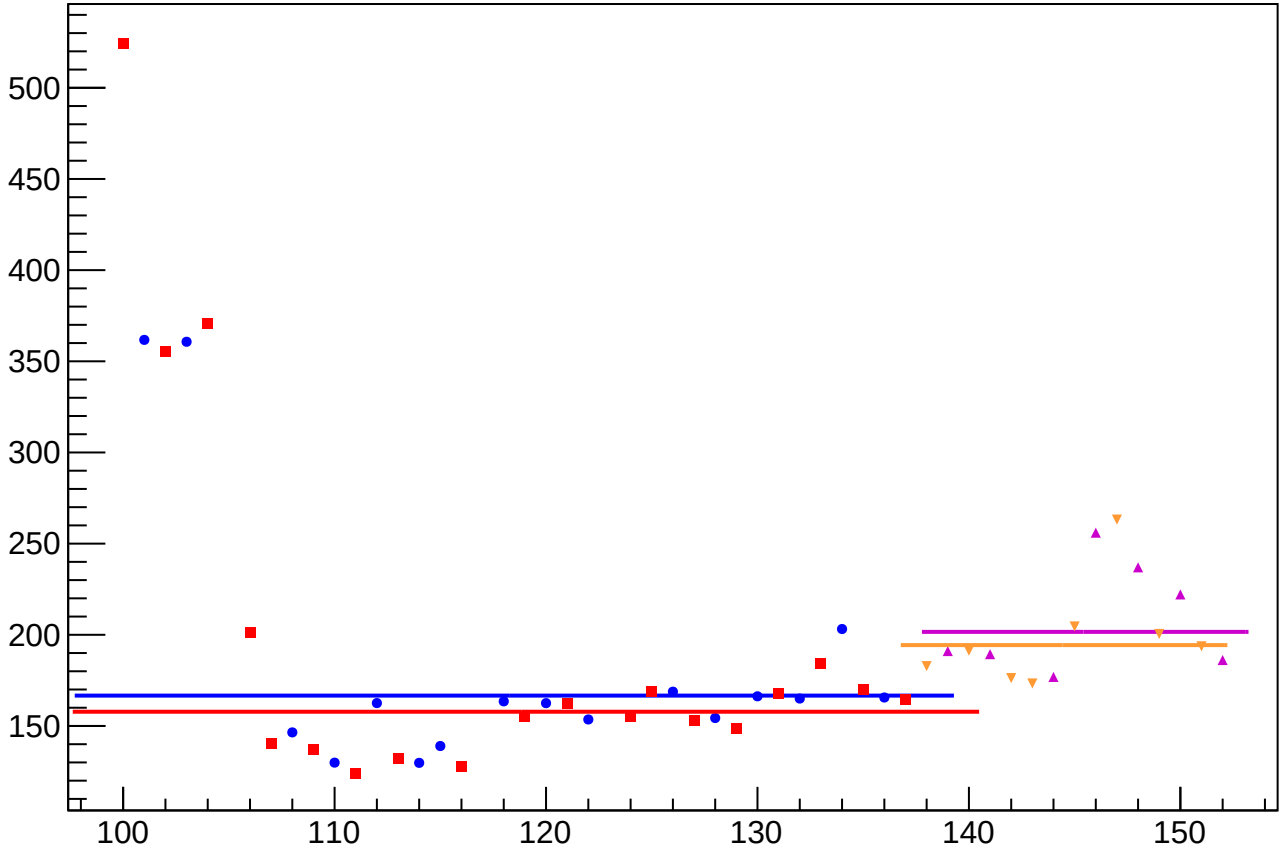
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 146071.324+/-0.052 χ^2/NDF:9749260332.8/22

Out: 145959.860+/-0.049 χ^2/NDF:11091449771.4

All: 146012.500+/-0.035 χ^2/NDF: 20843178

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: 201.606+/-0.059 χ^2/NDF:187796.9/6

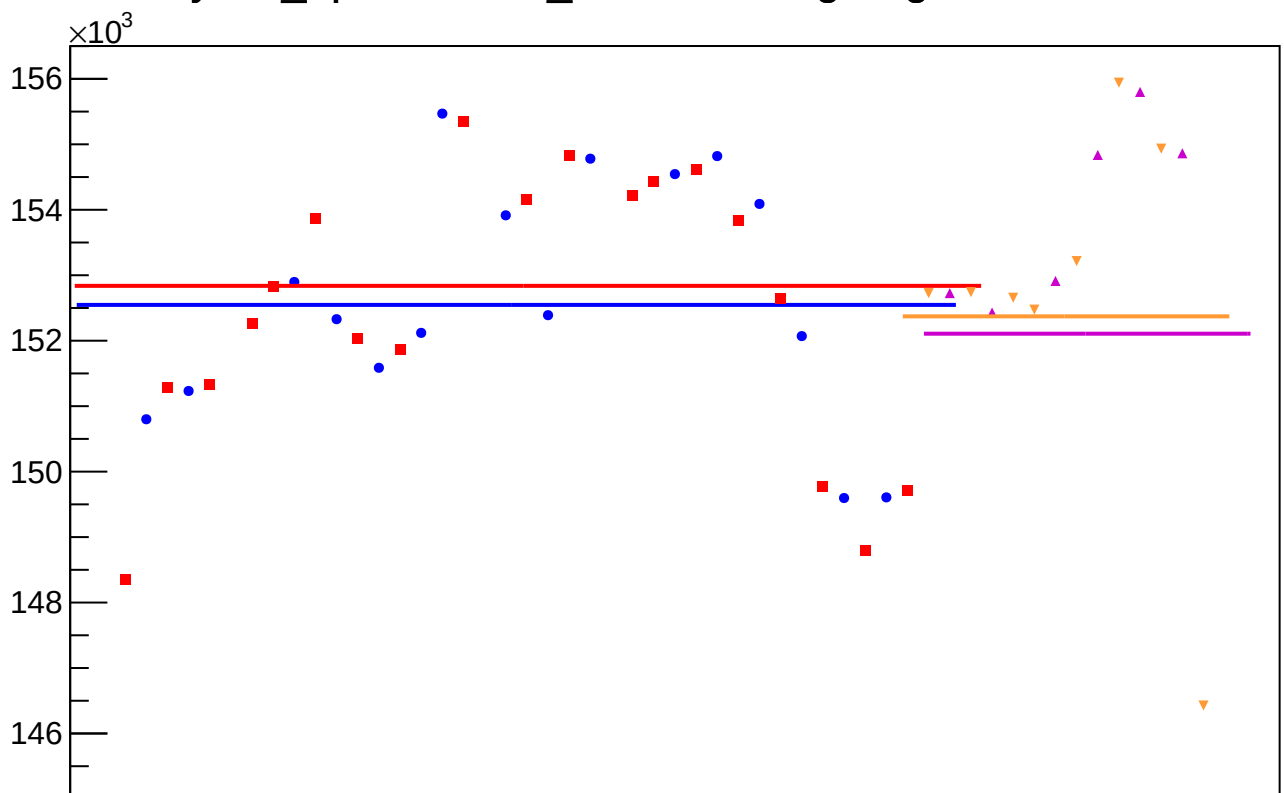
Left: 197.835+/-0.041 χ^2/NDF: 351358.8/14

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 180.086+/-0.036 χ^2/NDF:1268944.1/22

Out: 171.410+/-0.034 χ^2/NDF:1440475.2/26

All: 175.507+/-0.025 χ^2/NDF: 2739327.8/49



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: 152107.141+/-0.084 χ^2/NDF:1717968798.6/6

Left: 152245.862+/-0.058 χ^2/NDF: 2735609092.3/1

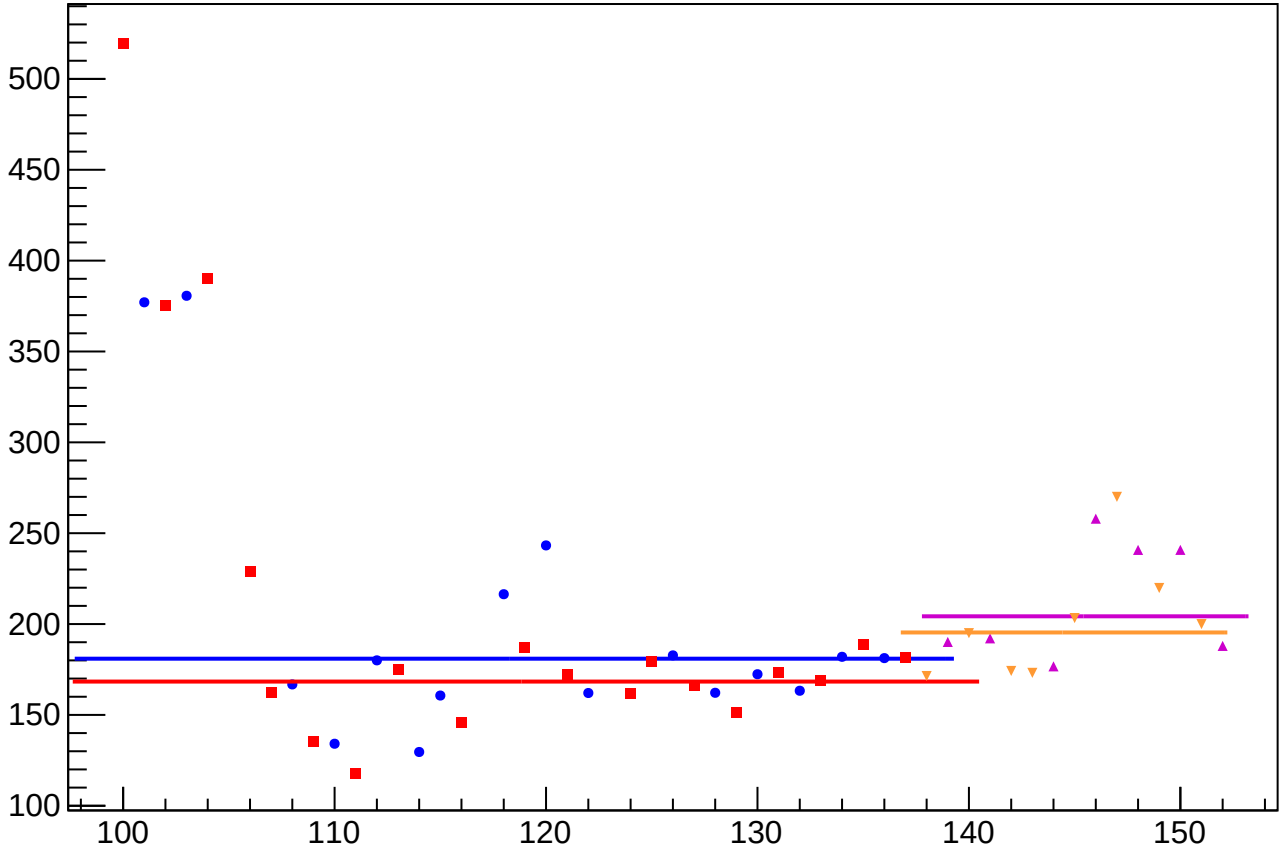
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152359.334+/-0.055 χ^2/NDF:2388152042.7/22

Out: 152647.526+/-0.051 χ^2/NDF:1769336500.6/2

All: 152513.505+/-0.038 χ^2/NDF: 41721815

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: 204.264+/-0.060 χ^2/NDF:225774.3/6

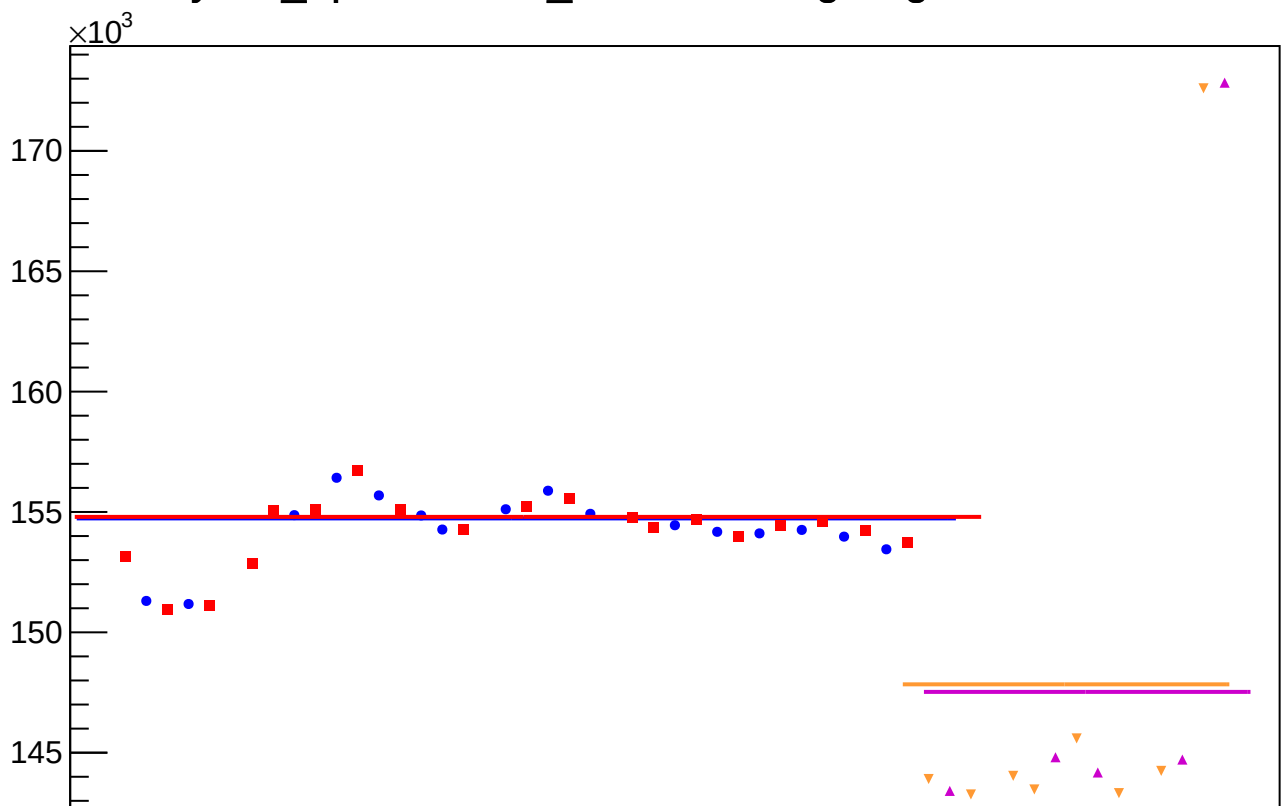
Left: 199.603+/-0.041 χ^2/NDF: 454614.1/14

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 190.887+/-0.039 χ^2/NDF:1221554.8/22

Out: 179.386+/-0.036 χ^2/NDF:1440475.3/26

All: 184.735+/-0.027 χ^2/NDF: 2708834.9/49



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: 147525.707+/-0.075 χ^2/NDF:17733481984.3/6

Left: 147688.814+/-0.052 χ^2/NDF: 36507616394.9

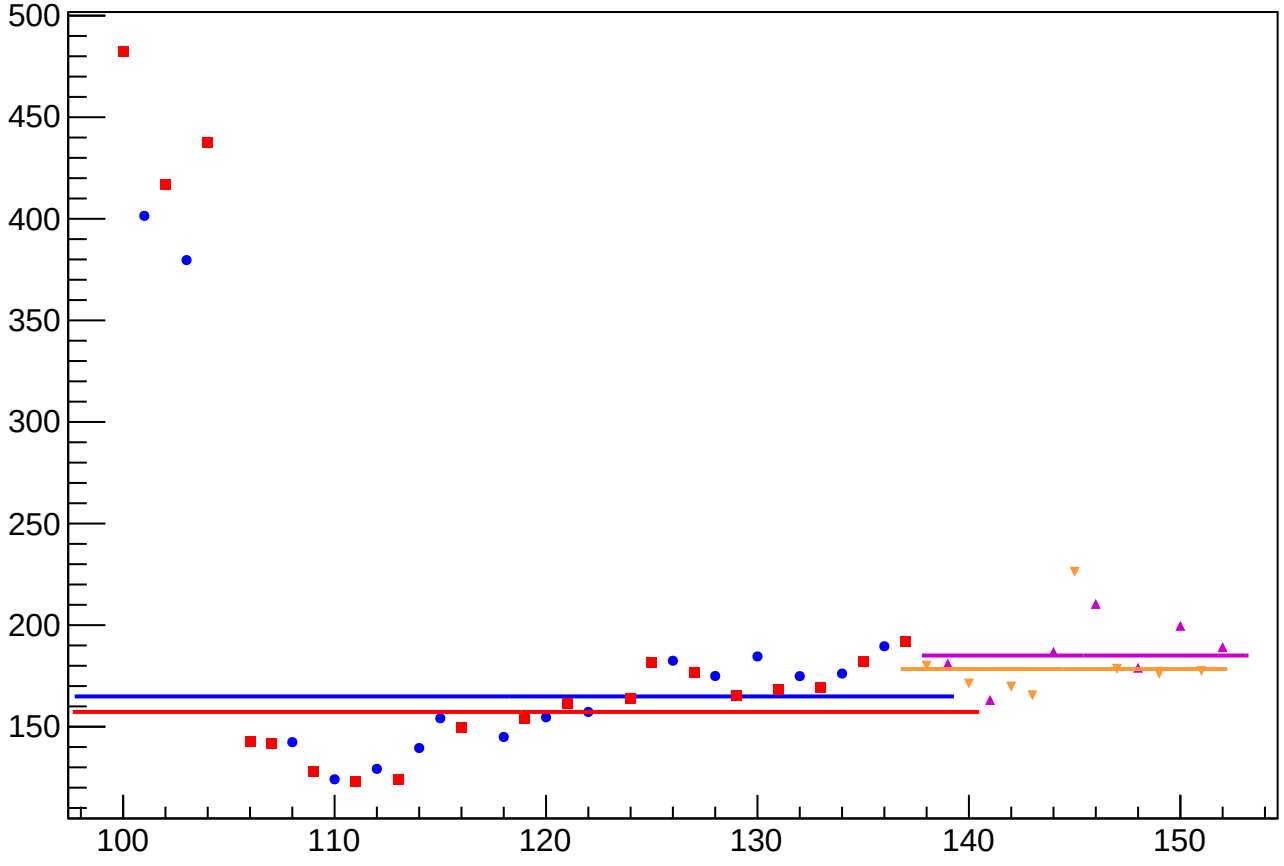
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 151654.068+/-0.049 χ^2/NDF:23229167859.8/2

Out: 151914.511+/-0.047 χ^2/NDF:24444359263.0

All: 151791.345+/-0.034 χ^2/NDF: 476882123

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: 185.041+/-0.053 χ^2/NDF:70046.5/6

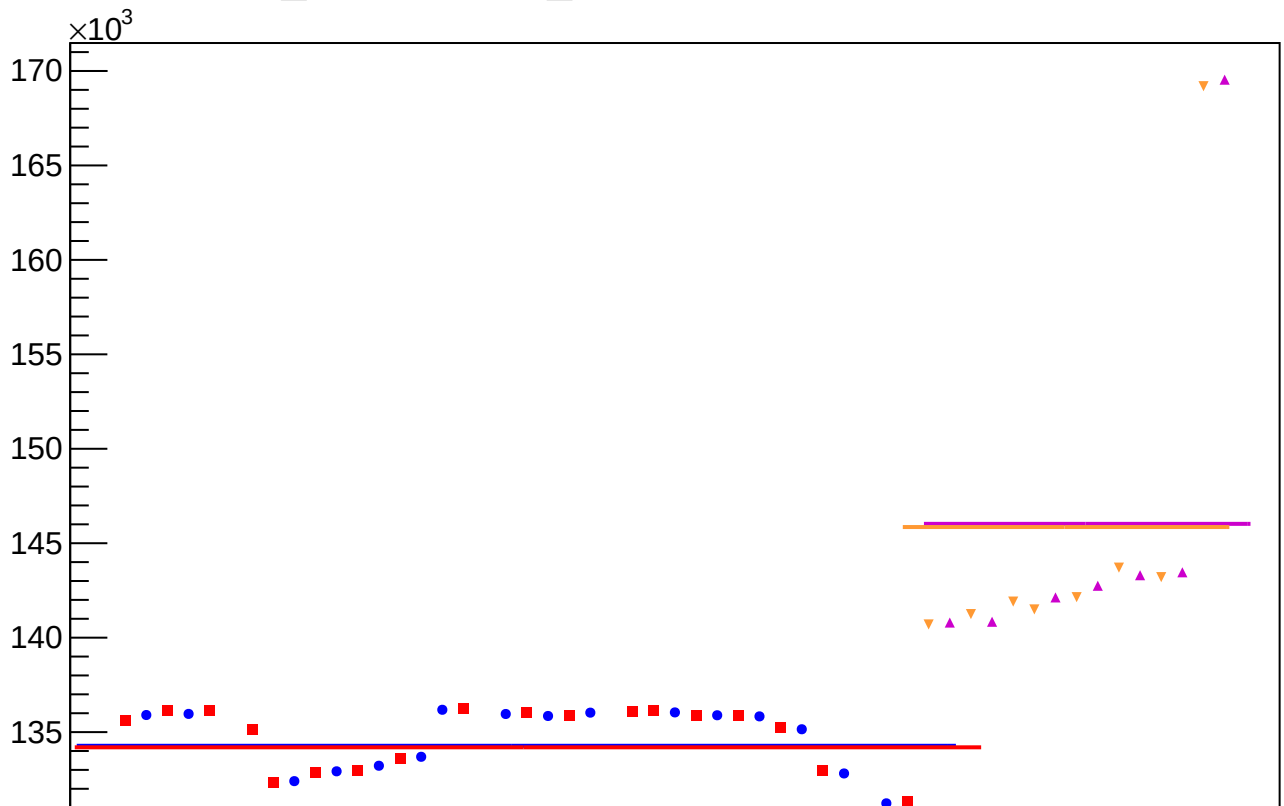
Left: 181.590+/-0.037 χ^2/NDF: 165528.7/14

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 173.508+/-0.035 χ^2/NDF:1224267.5/22

Out: 166.029+/-0.033 χ^2/NDF:1441316.2/26

All: 169.566+/-0.024 χ^2/NDF: 2689802.7/49



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 145856.475+/-0.071 χ^2/NDF:17643401566.0/7

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 146025.389+/-0.074 χ^2/NDF:17081370348.6/6

Left: 145937.846+/-0.051 χ^2/NDF: 34727464584.0/

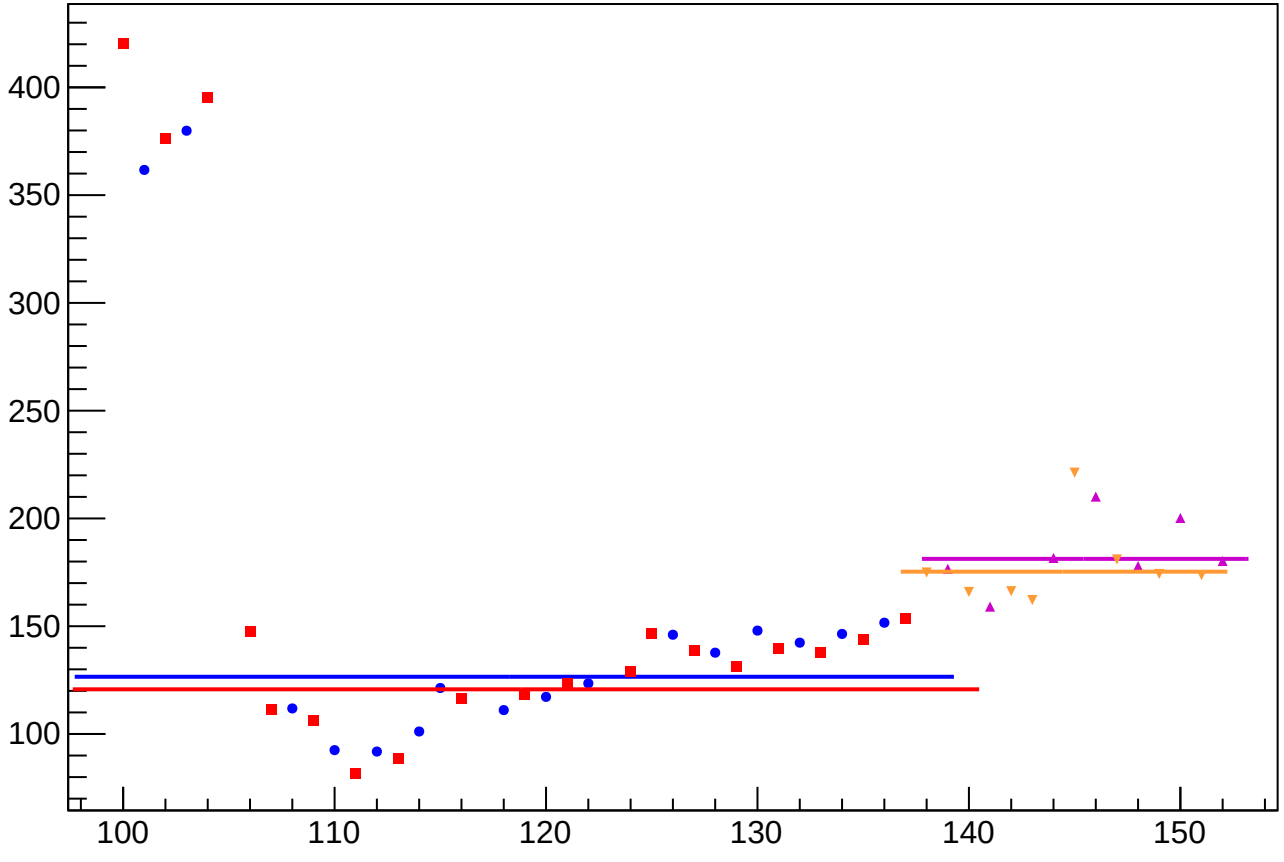
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 138034.779+/-0.042 χ^2/NDF:35319943858.9/2

Out: 137819.145+/-0.040 χ^2/NDF:37210195352.3

All: 137921.462+/-0.029 χ^2/NDF: 725440477

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: 181.244+/-0.052 χ^2/NDF:84367.1/6

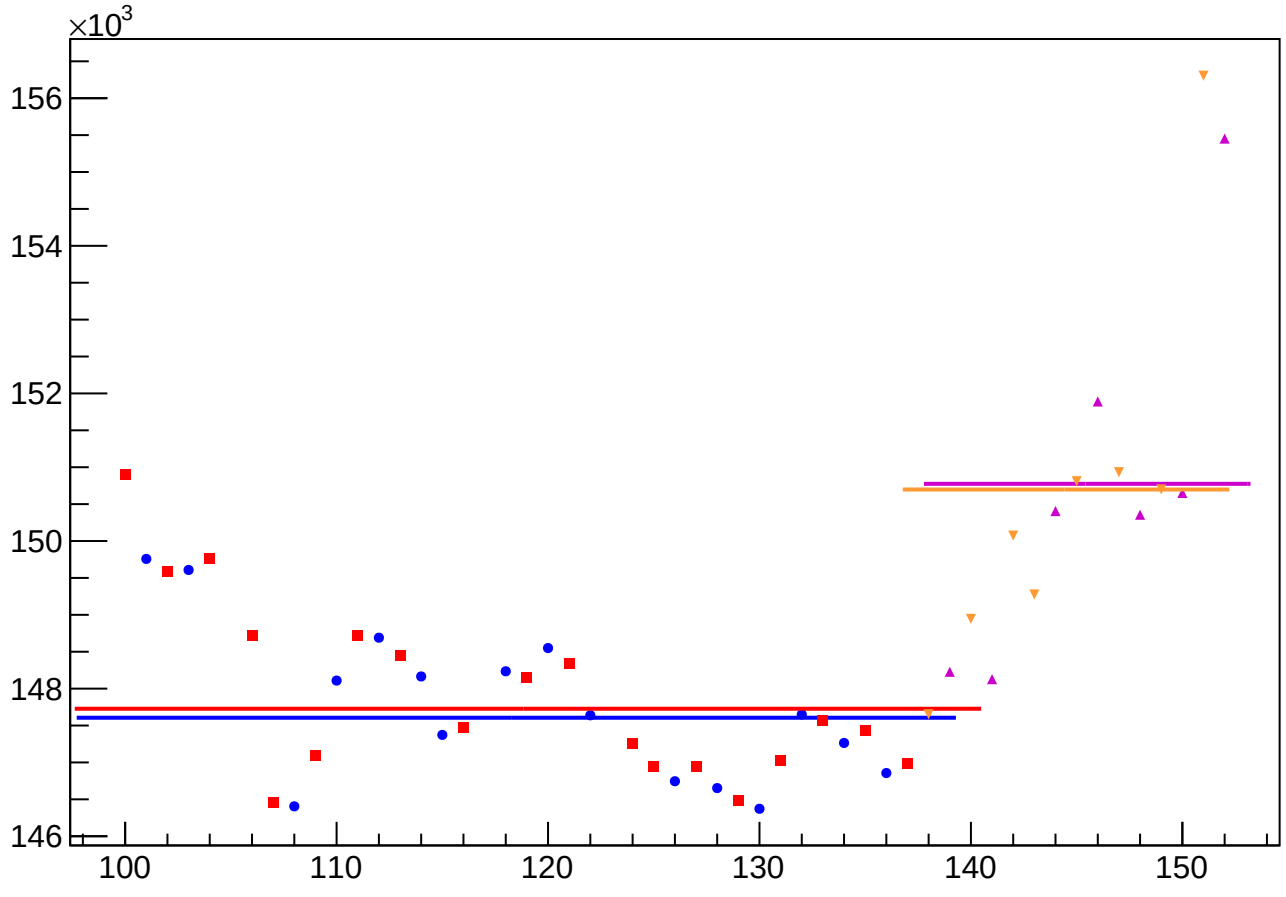
Left: 178.168+/-0.036 χ^2/NDF: 180390.6/14

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

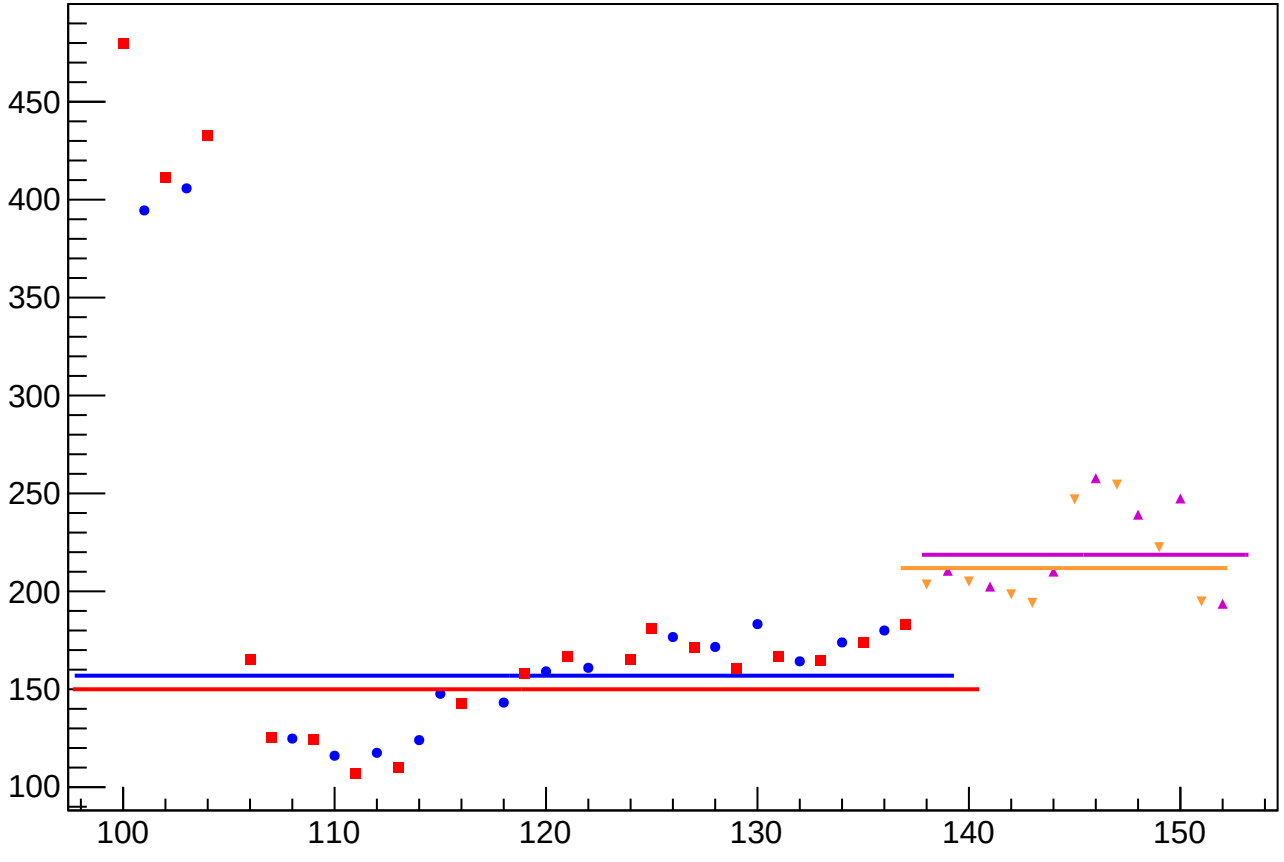
In: 144.047+/-0.030 χ^2/NDF:2302681.2/22

Out: 137.687+/-0.028 χ^2/NDF:2526763.4/26

All: 140.705+/-0.020 χ^2/NDF: 4853650.0/49


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: 150775.074+/-0.089 χ²/NDF:785349167.7/6
Left: 150735.156+/-0.062 χ²/NDF: 1749415579.7/1
Right: 147670.157+/-0.043 χ²/NDF: 397331184.2/3
In: 148645.048+/-0.051 χ²/NDF:1829950838.1/22
Out: 148671.445+/-0.049 χ²/NDF:1965717619.7/2
All: 148658.917+/-0.035 χ²/NDF: 37958080

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: 218.675+/-0.063 χ^2/NDF:121485.6/6

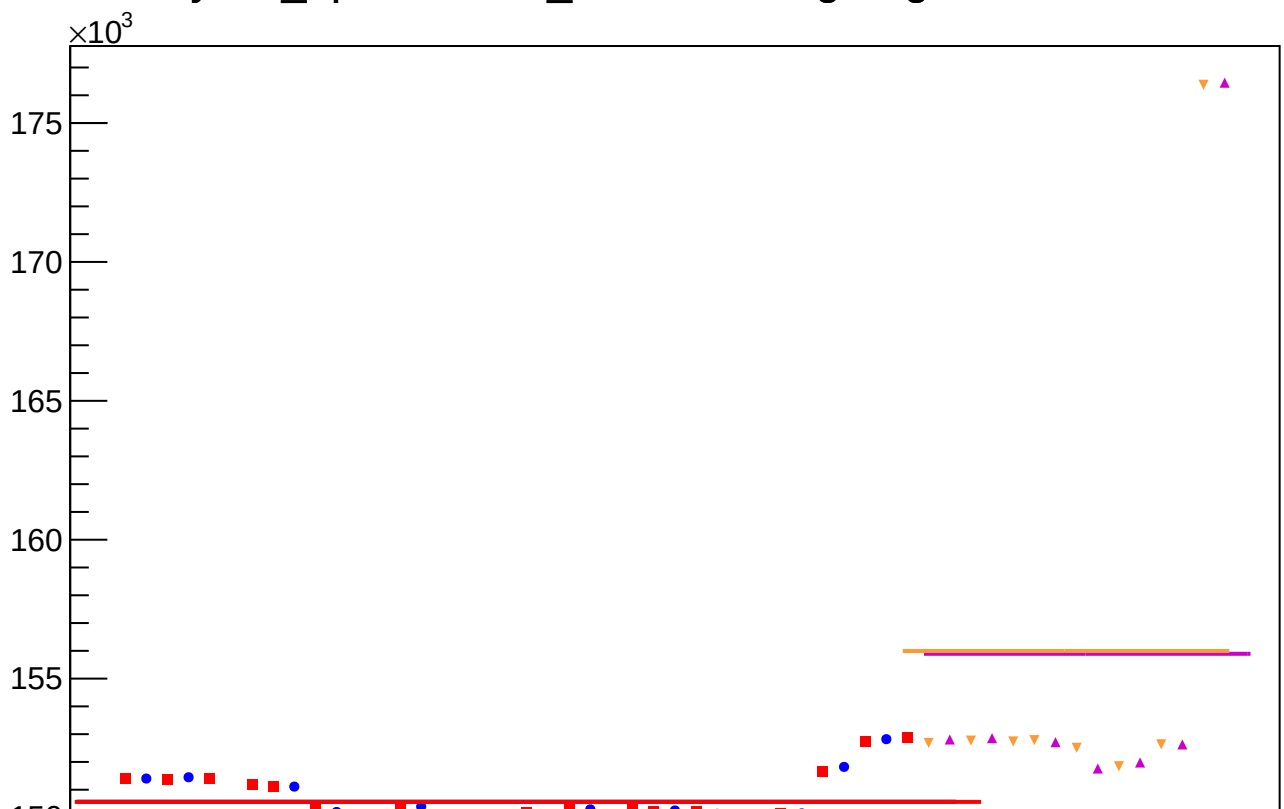
Left: 215.153+/-0.044 χ^2/NDF: 244022.6/14

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 177.177+/-0.036 χ^2/NDF:2027994.8/22

Out: 169.655+/-0.034 χ^2/NDF:2271047.8/26

All: 173.225+/-0.025 χ^2/NDF: 4321709.6/49



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: 155893.330+/-0.074 χ^2/NDF:12883391693.2/6

Left: 155945.594+/-0.051 χ^2/NDF: 26817575619.1/

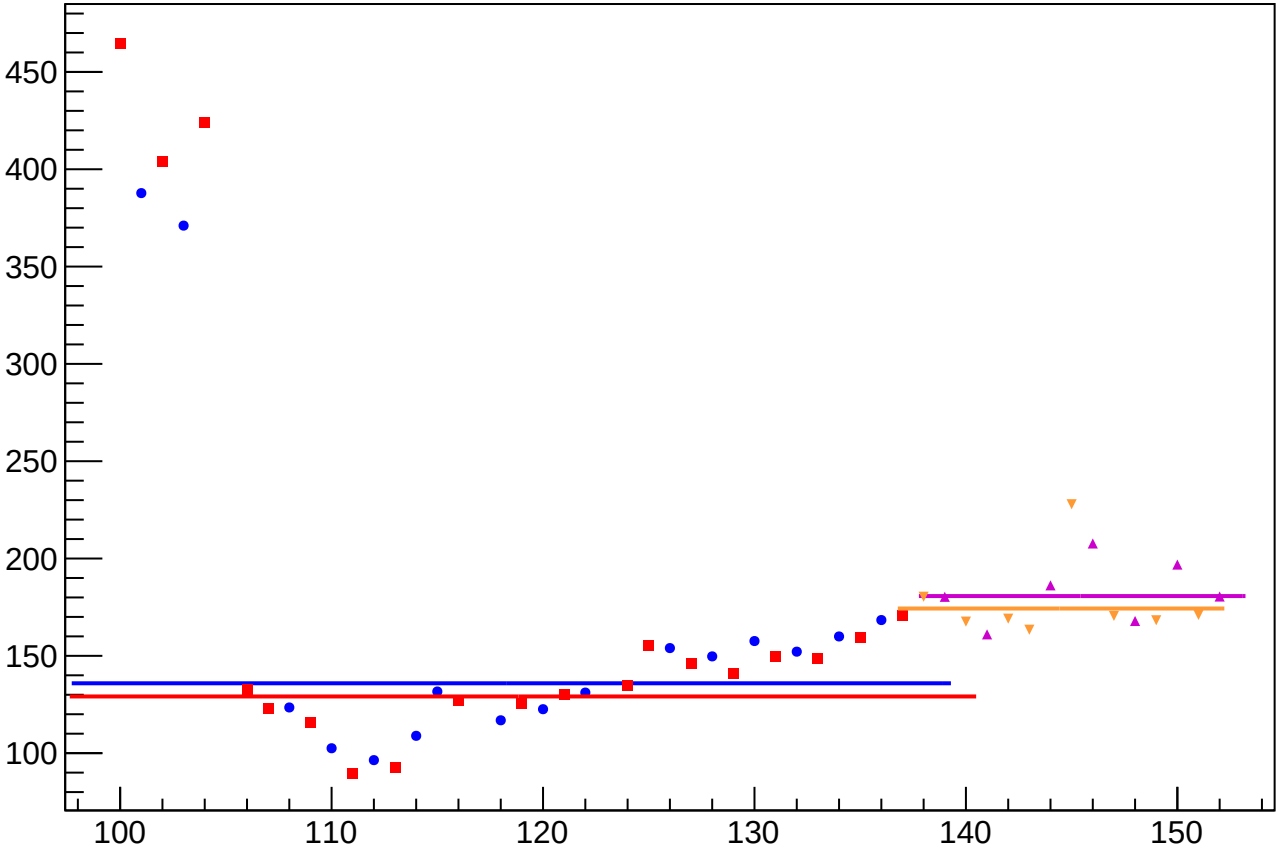
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 152453.019+/-0.044 χ^2/NDF:16484959491.8/2

Out: 152411.367+/-0.041 χ^2/NDF:17996668250.8/

All: 152430.976+/-0.030 χ^2/NDF: 34482104

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: 180.713+/-0.052 χ^2/NDF:78700.3/6

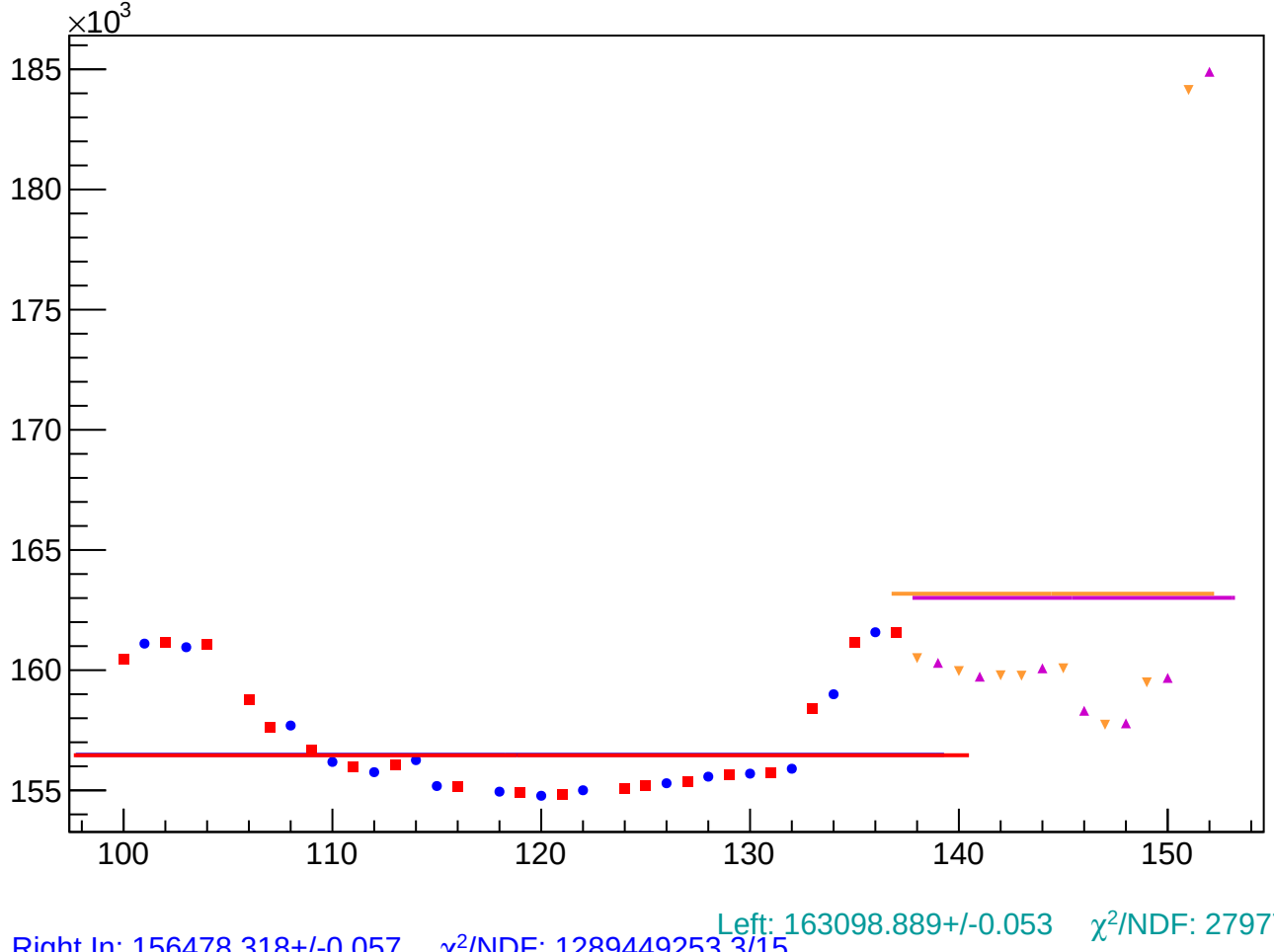
Left: 177.388+/-0.036 χ^2/NDF: 191453.8/14

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 151.756+/-0.031 χ^2/NDF:1971710.1/22

Out: 144.516+/-0.029 χ^2/NDF:2254165.6/26

All: 147.925+/-0.021 χ^2/NDF: 4254673.7/49



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 163180.986+/-0.074 χ^2/NDF:14107467724.0/7

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 163010.485+/-0.077 χ^2/NDF:13867052872.3/6

Left: 163098.889+/-0.053 χ^2/NDF: 27977095779.9

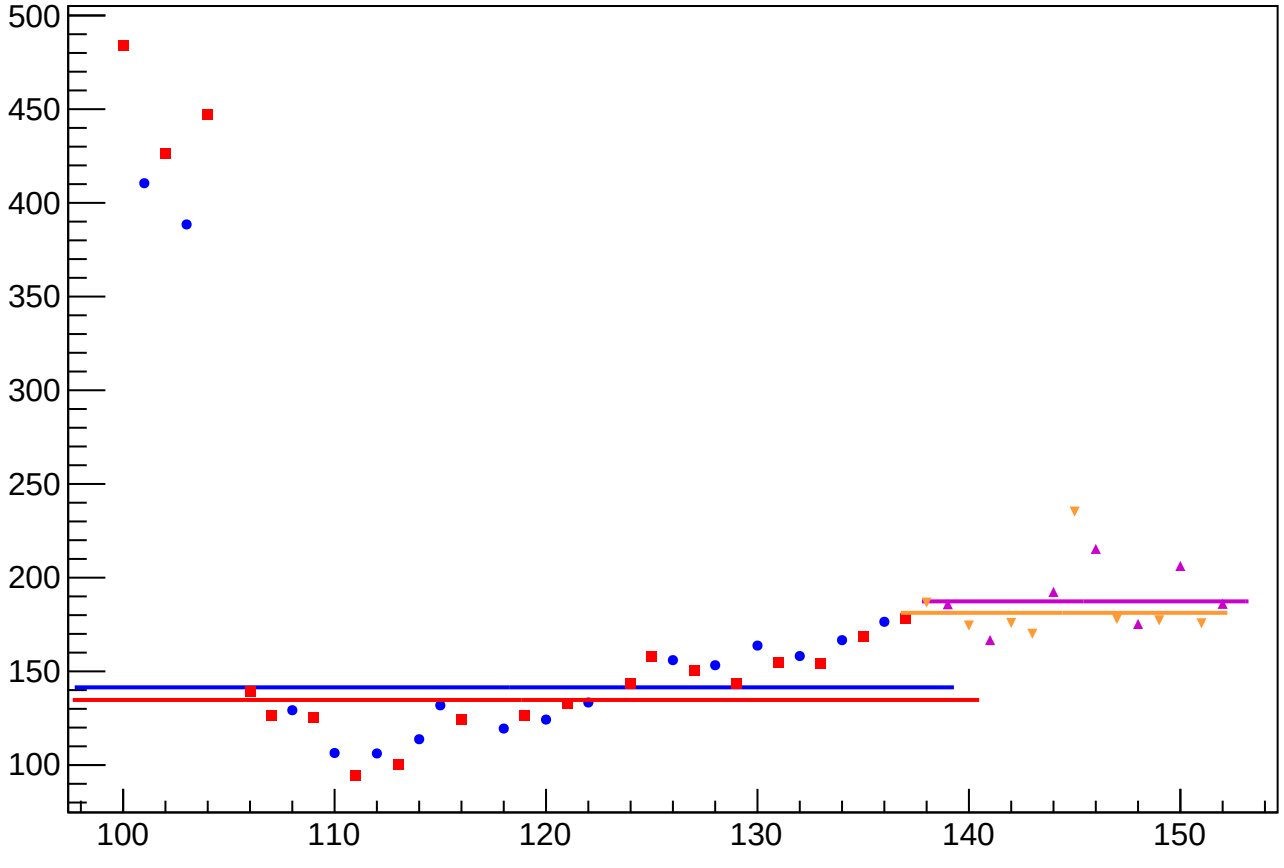
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 158800.174+/-0.046 χ^2/NDF:19855239279.0/2

Out: 158757.449+/-0.043 χ^2/NDF:20677151366.2

All: 158777.604+/-0.031 χ^2/NDF: 40532854

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: 187.351+/-0.054 χ^2/NDF:80398.9/6

Left: 184.179+/-0.038 χ^2/NDF: 186605.9/14

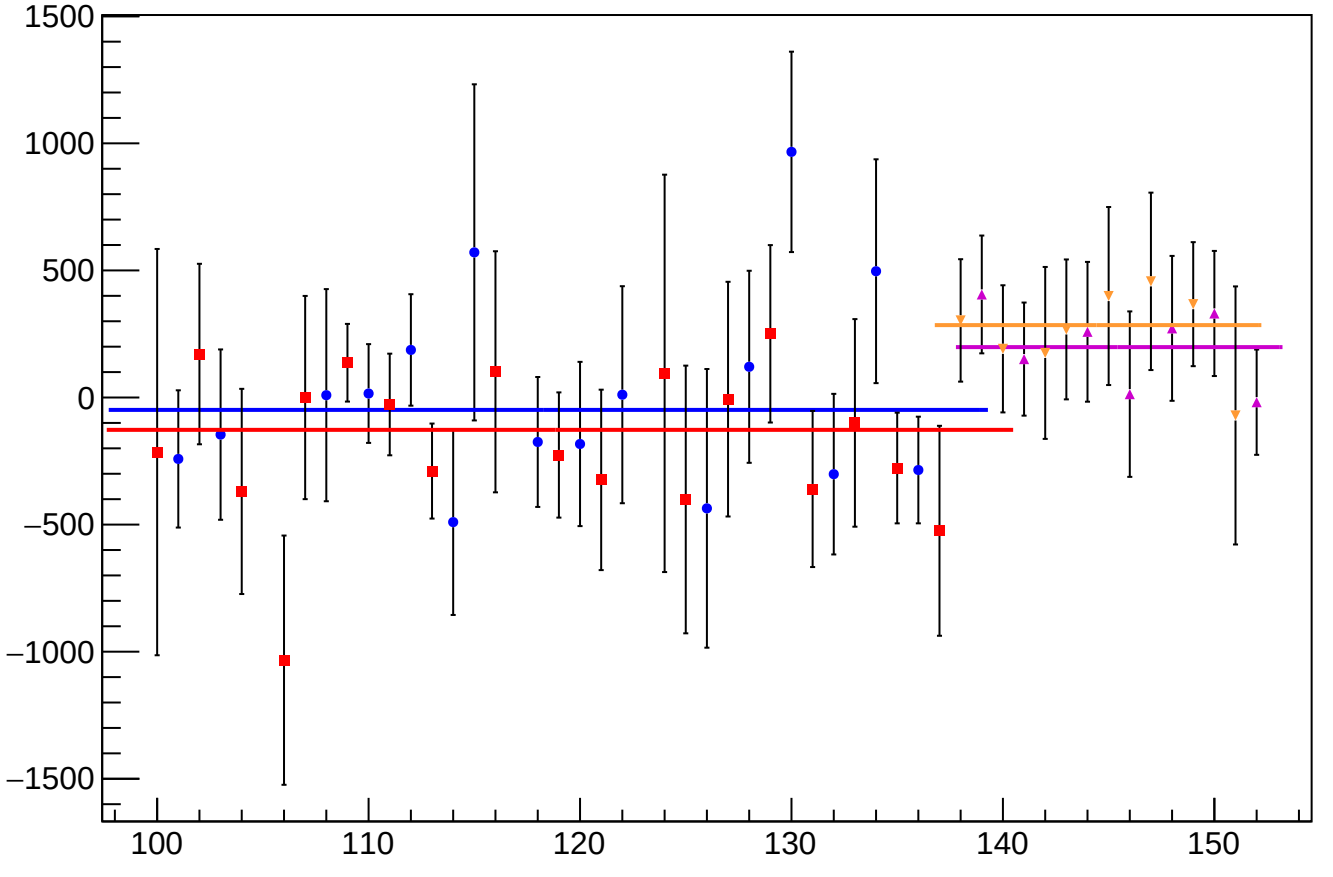
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 157.778+/-0.032 χ^2/NDF:1935953.5/22

Out: 150.634+/-0.030 χ^2/NDF:2202007.8/26

All: 154.004+/-0.022 χ^2/NDF: 4163881.7/49

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: 198.279+/-93.818 χ^2/NDF:2.7/6

Left: 237.053+/-69.703 χ^2/NDF: 4.3/14

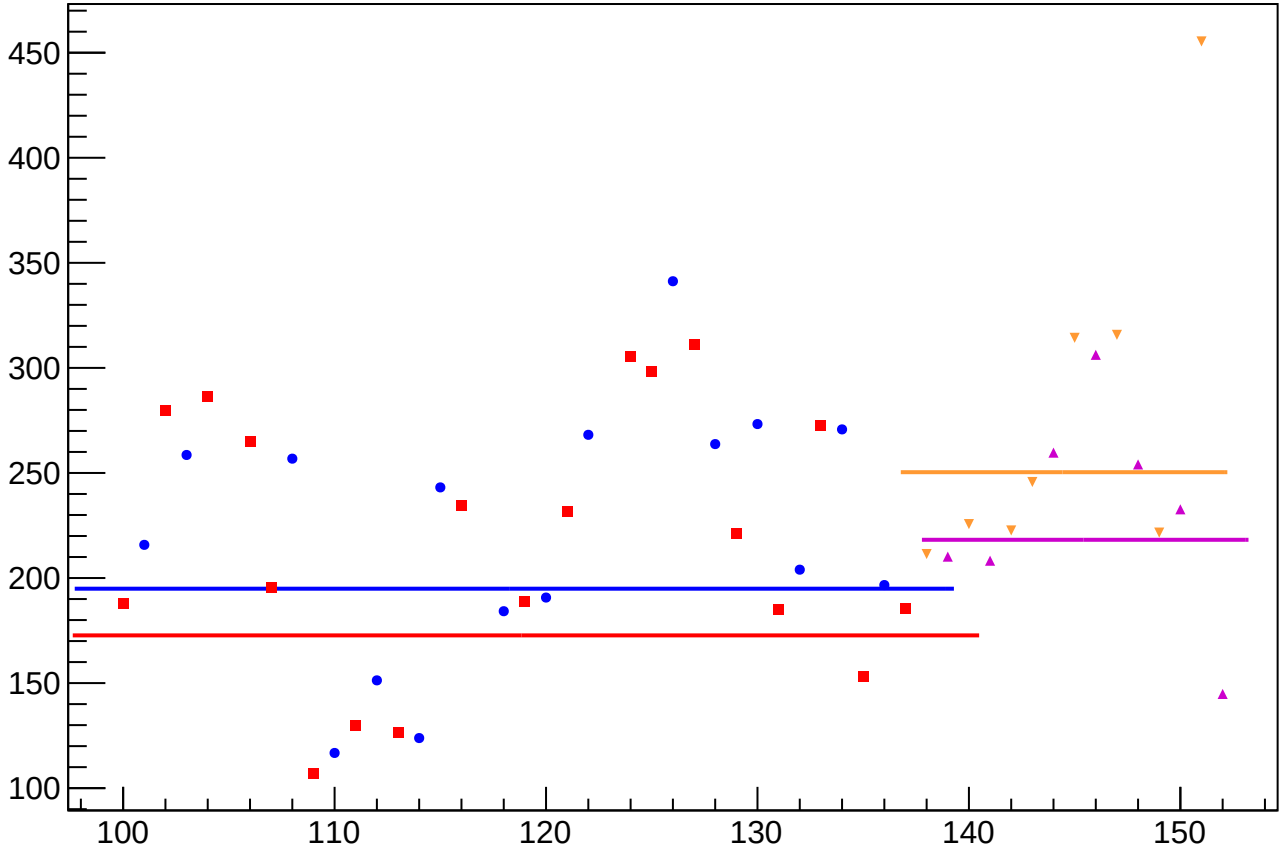
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 50.046+/-59.331 χ^2/NDF:22.3/22

Out: -2.784+/-57.233 χ^2/NDF:25.0/26

All: 22.680+/-41.191 χ^2/NDF: 47.7/49

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: 218.198+/-0.066 χ^2/NDF:487622.9/6

Left: 232.610+/-0.049 χ^2/NDF: 1169503.9/14

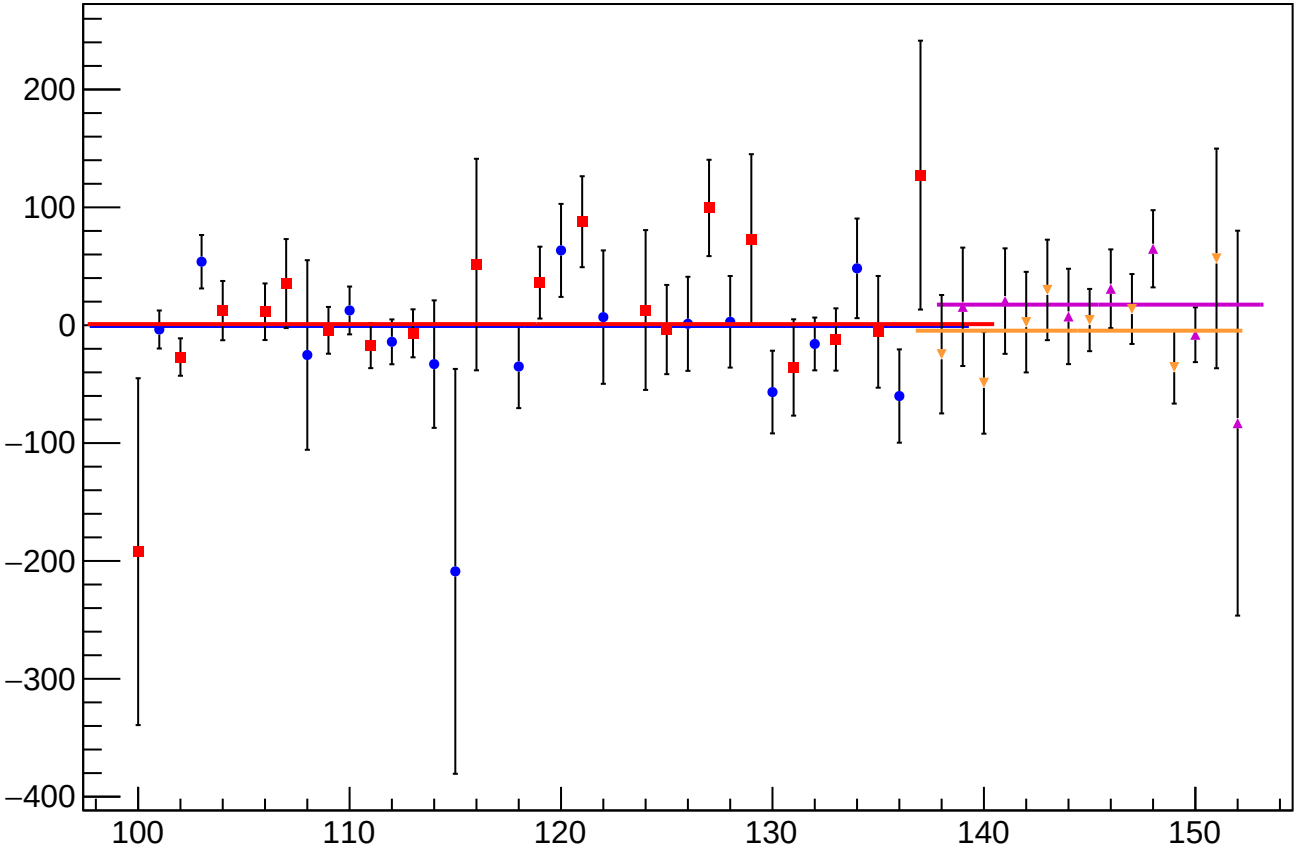
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 204.231+/-0.042 χ^2/NDF:1590389.1/22

Out: 196.162+/-0.040 χ^2/NDF:2984270.1/26

All: 200.051+/-0.029 χ^2/NDF: 4593822.7/49

asym_bcm_an_diff_mean vs Slug, Sign Corrected



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: 17.459+/-13.837 χ^2/NDF:3.9/6

Left: 5.877+/-9.541 χ^2/NDF: 9.1/14

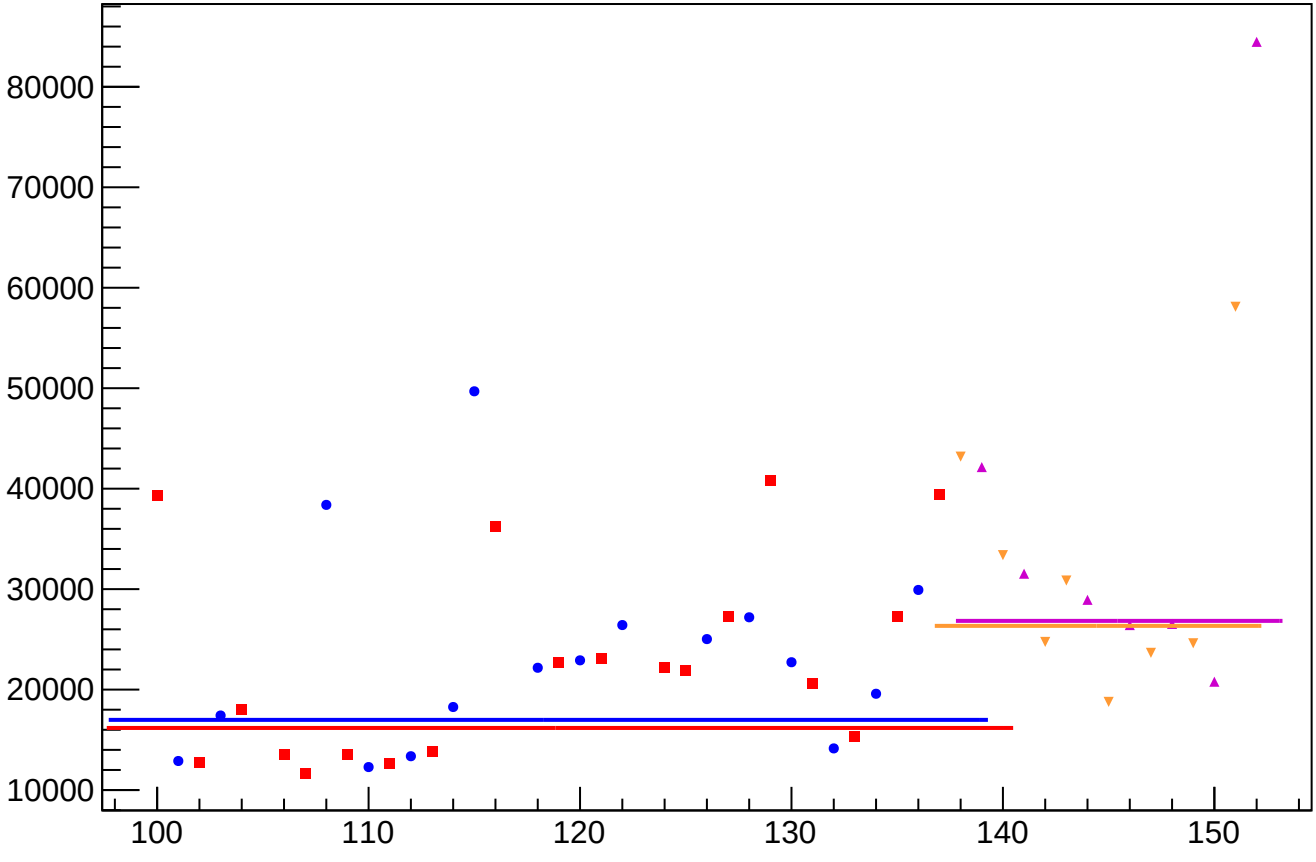
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 3.347+/-6.484 χ^2/NDF:24.1/22

Out: -0.223+/-6.019 χ^2/NDF:27.0/26

All: 1.429+/-4.412 χ^2/NDF: 51.3/49

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: 26840.302+/-9.784 χ^2/NDF:598381.0/6

Left: 26579.565+/-6.747 χ^2/NDF: 1322049.5/14

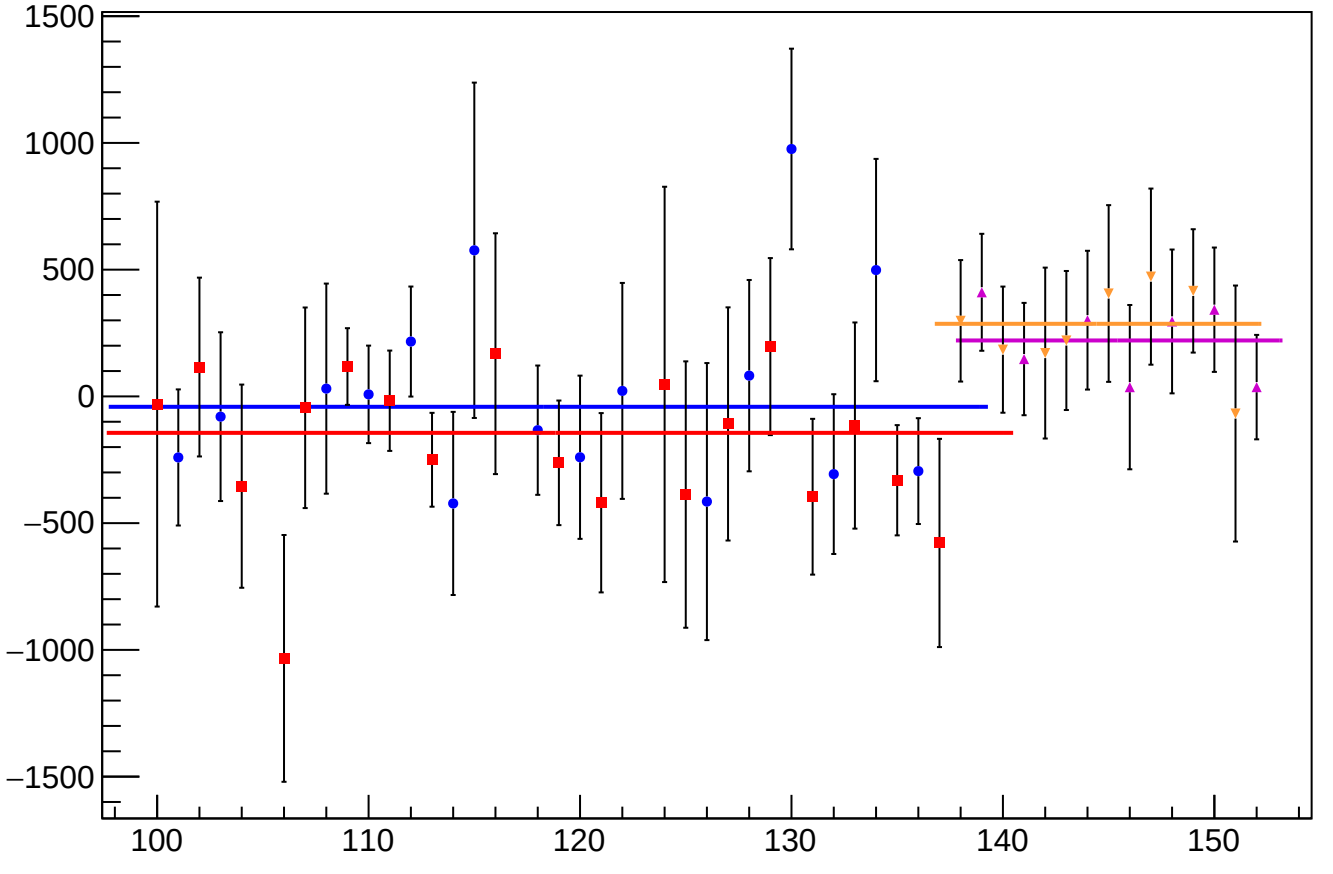
Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 19150.373+/-4.585 χ^2/NDF:2584001.4/22

Out: 18303.235+/-4.256 χ^2/NDF:2915238.3/26

All: 18695.342+/-3.119 χ^2/NDF: 5517575.0/4

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: 220.702+/-93.403 χ^2/NDF:2.3/6

Left: 250.107+/-69.403 χ^2/NDF: 4.1/14

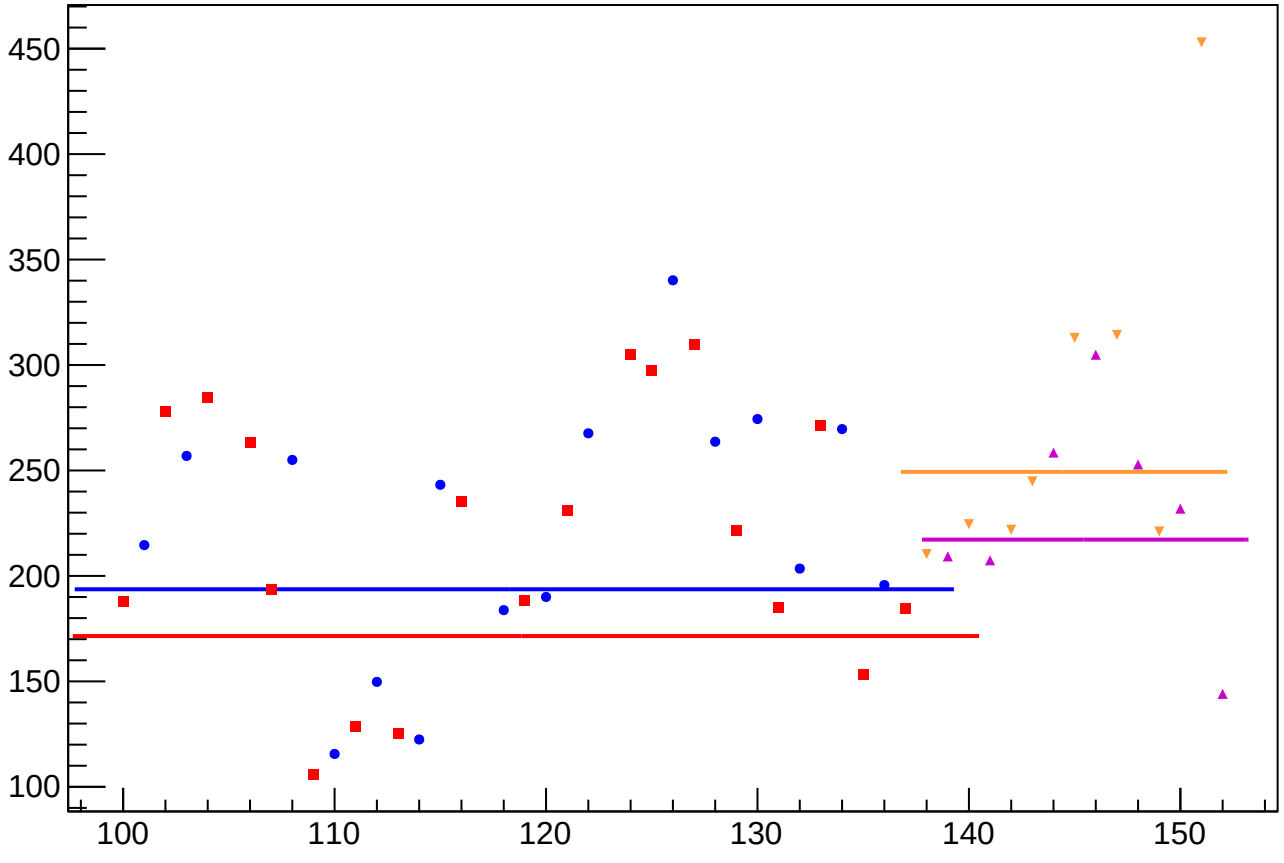
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 63.476+/-59.024 χ^2/NDF:22.5/22

Out: -14.261+/-56.912 χ^2/NDF:26.6/26

All: 23.192+/-40.969 χ^2/NDF: 50.0/49

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: 217.220+/-0.066 χ^2/NDF:488873.9/6

Left: 231.606+/-0.049 χ^2/NDF: 1169828.2/14

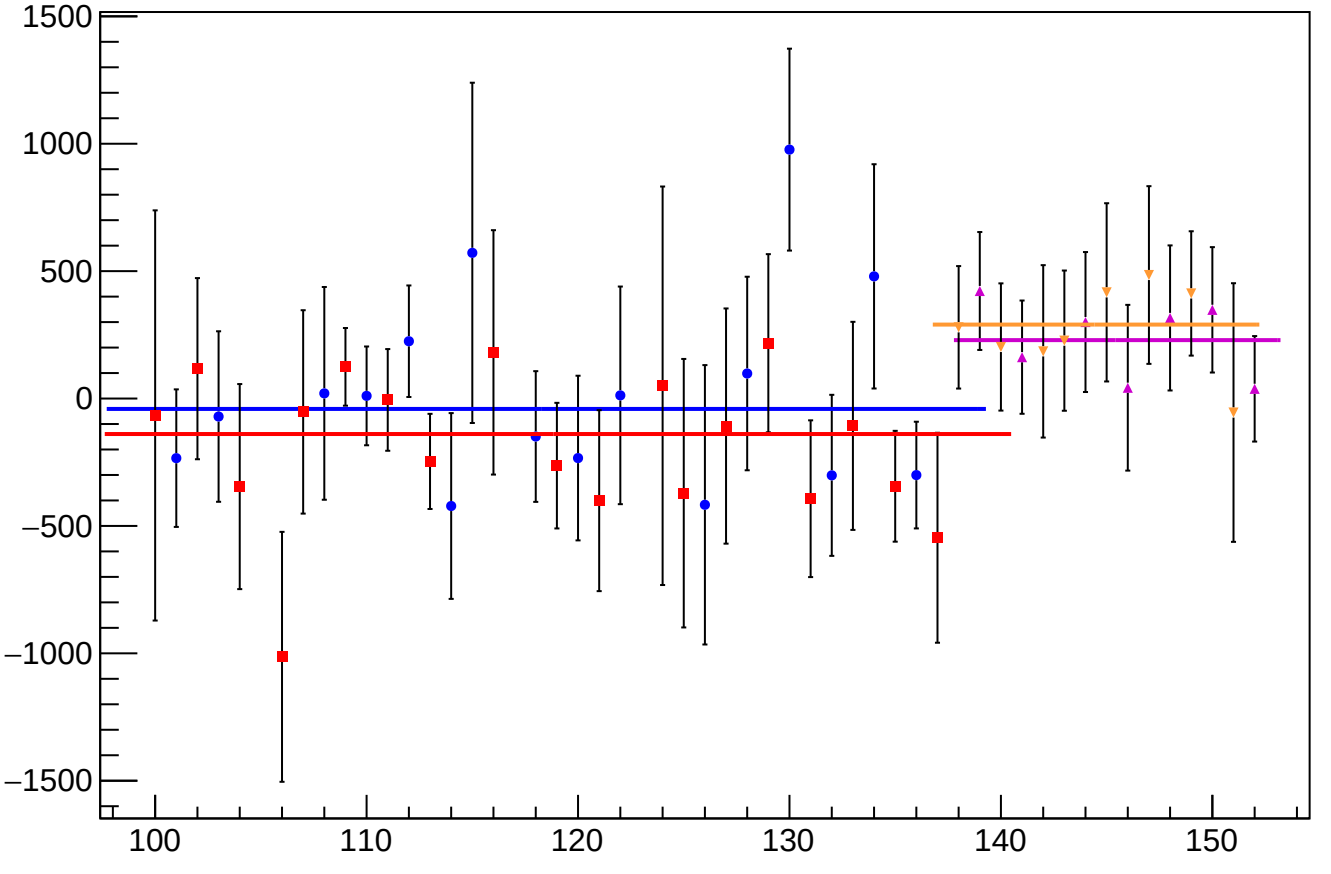
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 203.074+/-0.042 χ^2/NDF:1615012.1/22

Out: 194.932+/-0.040 χ^2/NDF:3015769.3/26

All: 198.855+/-0.029 χ^2/NDF: 4650503.5/49

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



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: 229.250+/-93.733 χ^2/NDF:2.4/6

Left: 256.576+/-69.640 χ^2/NDF: 4.0/14

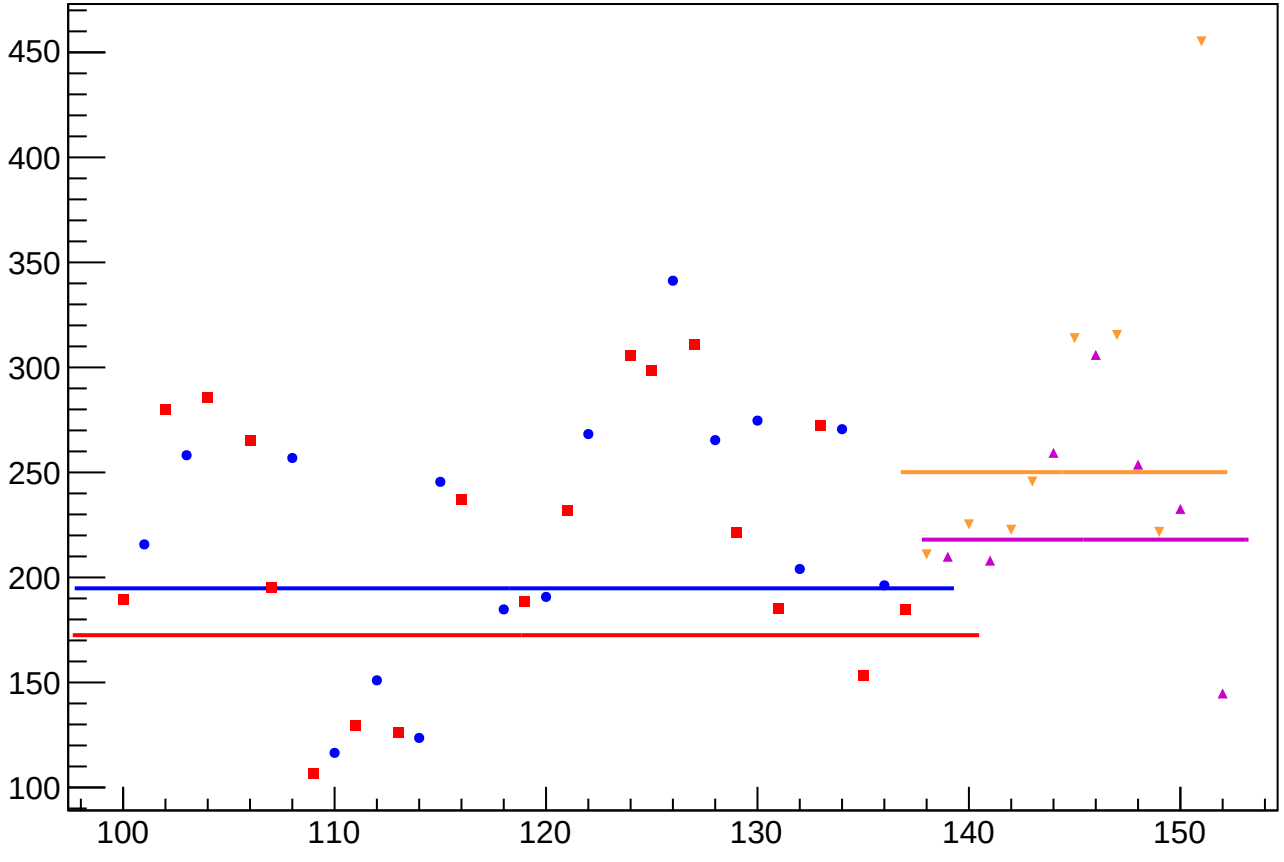
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 67.300+/-59.303 χ^2/NDF:22.7/22

Out: -9.514+/-57.190 χ^2/NDF:26.2/26

All: 27.500+/-41.166 χ^2/NDF: 49.8/49

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: 218.000+/-0.066 χ^2/NDF:486892.0/6

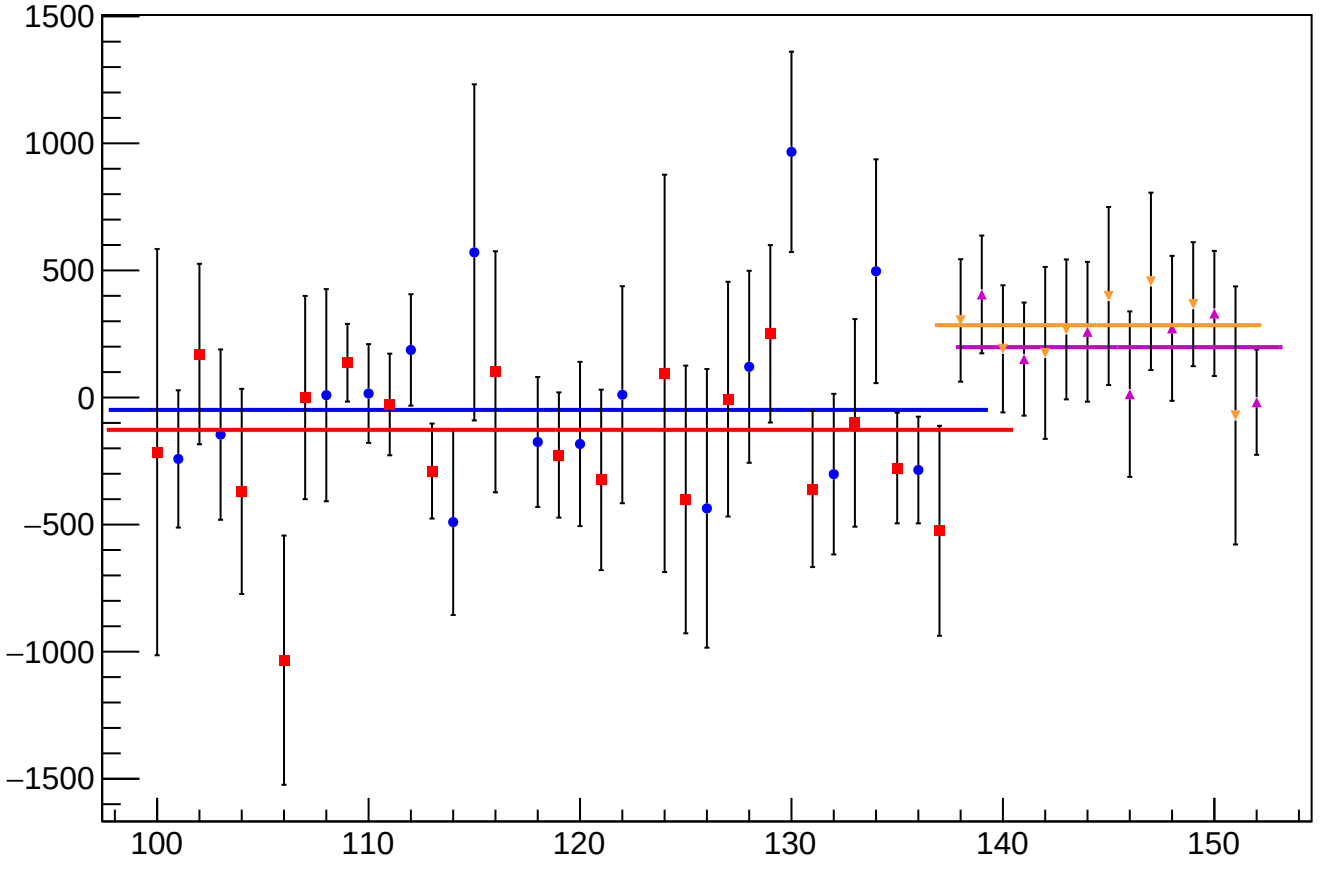
Left: 232.395+/-0.049 χ^2/NDF: 1169188.7/14

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 204.099+/-0.042 χ^2/NDF:1599346.0/22

Out: 195.960+/-0.040 χ^2/NDF:2995976.1/26

All: 199.882+/-0.029 χ^2/NDF: 4614838.4/49



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: 198.279+/-93.818 χ^2/NDF:2.7/6

Left: 237.053+/-69.703 χ^2/NDF: 4.3/14

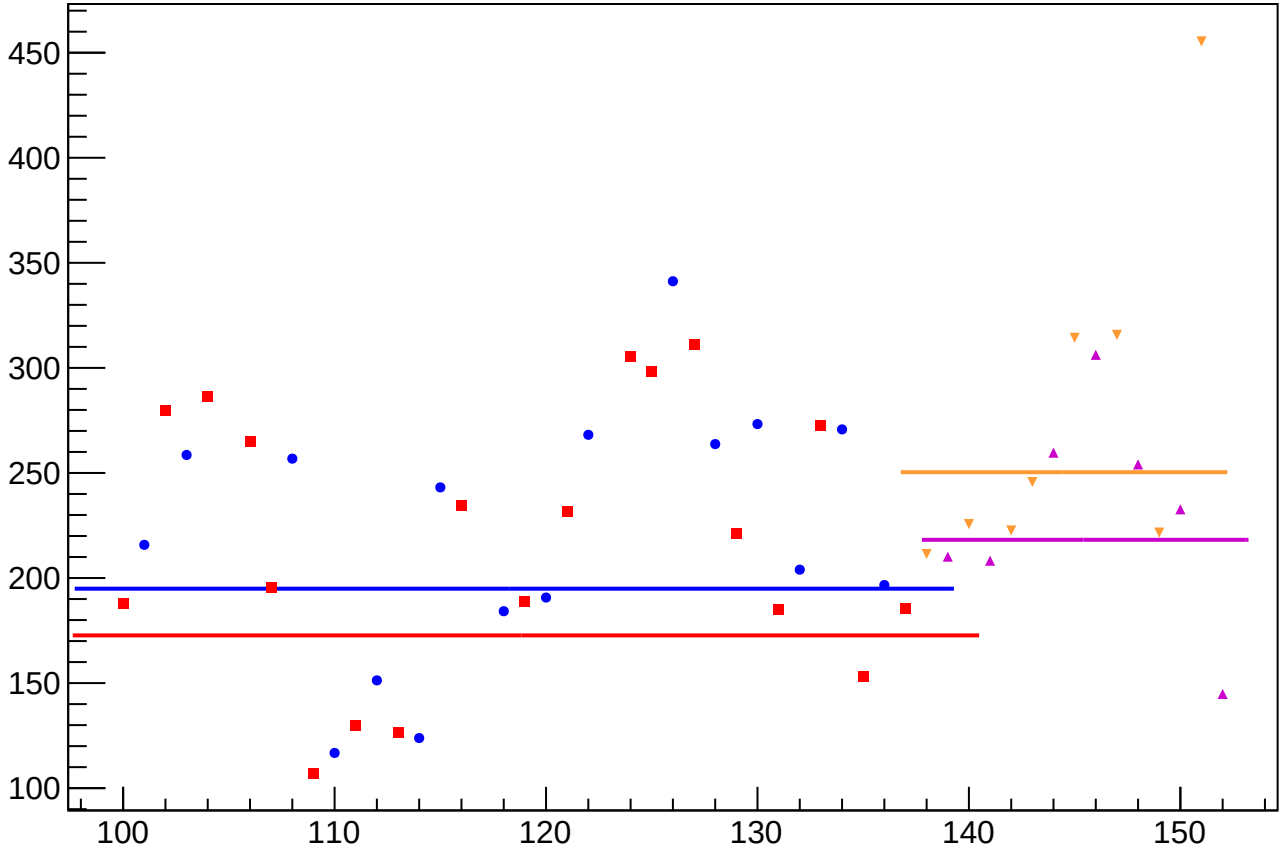
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 50.046+/-59.331 χ^2/NDF:22.3/22

Out: -2.784+/-57.233 χ^2/NDF:25.0/26

All: 22.680+/-41.191 χ^2/NDF: 47.7/49

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: 218.198+/-0.066 χ^2/NDF:487622.9/6

Left: 232.610+/-0.049 χ^2/NDF: 1169503.9/14

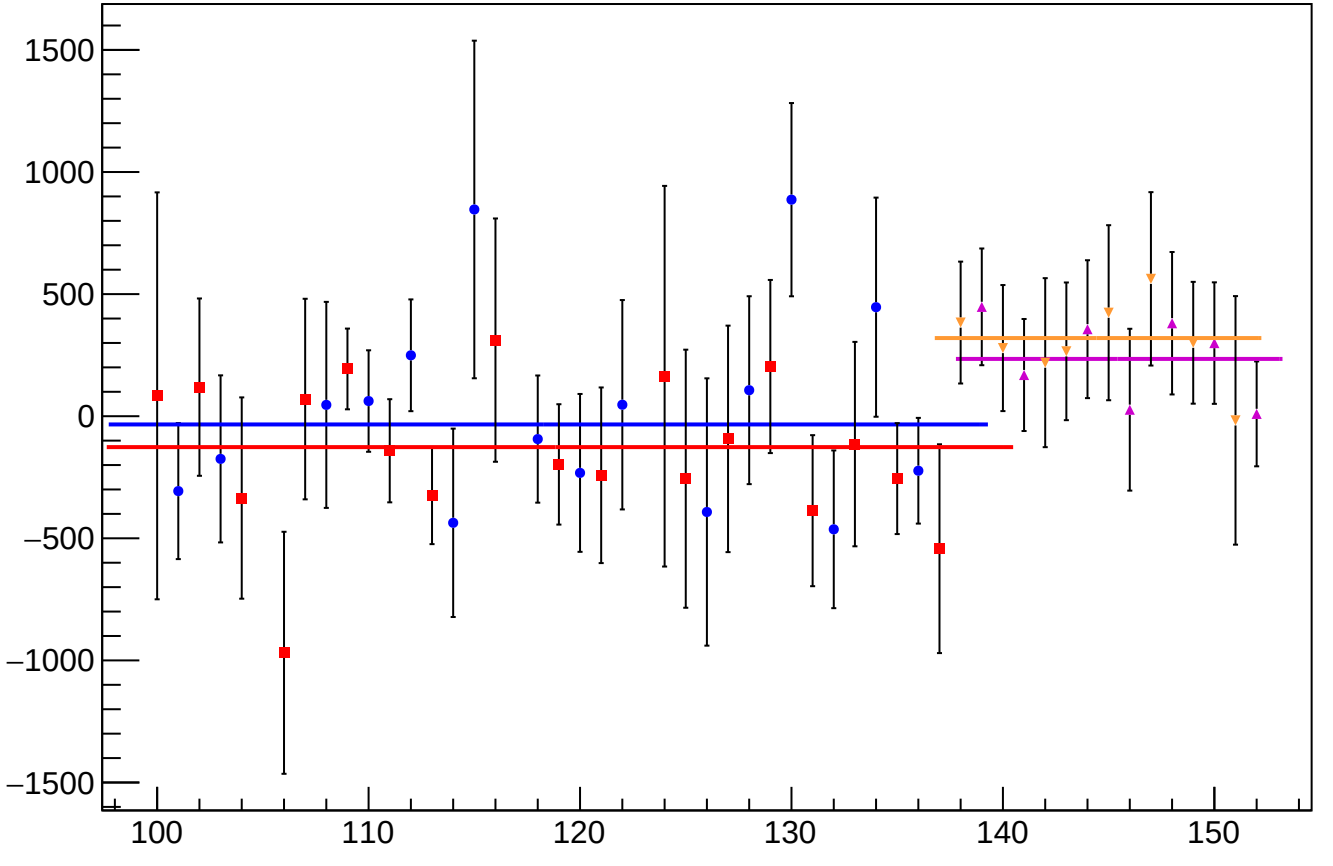
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 204.231+/-0.042 χ^2/NDF:1590389.1/22

Out: 196.162+/-0.040 χ^2/NDF:2984270.1/26

All: 200.051+/-0.029 χ^2/NDF: 4593822.7/49

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: 234.624+/-96.337 χ^2/NDF:2.9/6

Left: 272.934+/-71.539 χ^2/NDF: 4.4/14

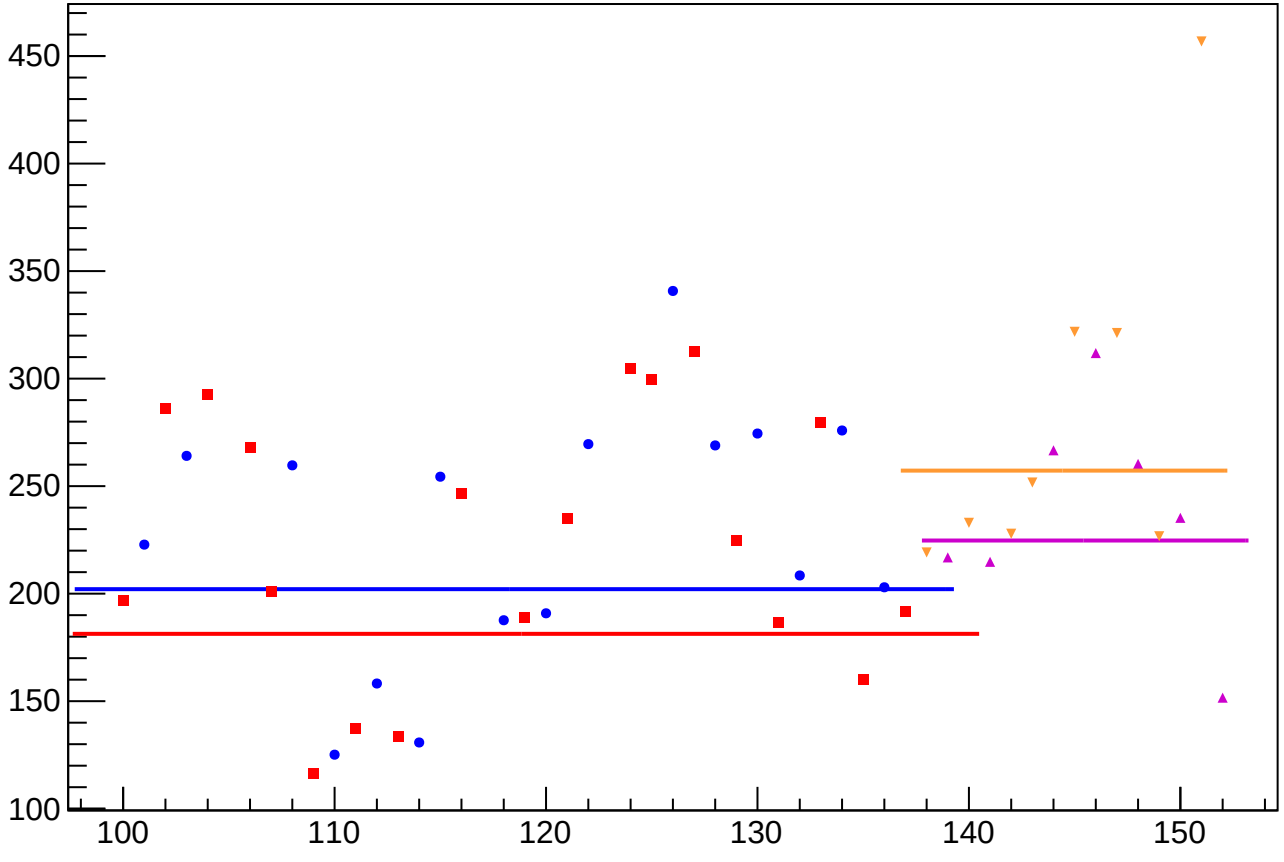
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 74.161+/-61.085 χ^2/NDF:23.3/22

Out: 11.115+/-59.307 χ^2/NDF:26.0/26

All: 41.707+/-42.551 χ^2/NDF: 49.8/49

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: 224.712+/-0.068 χ^2/NDF:453430.9/6

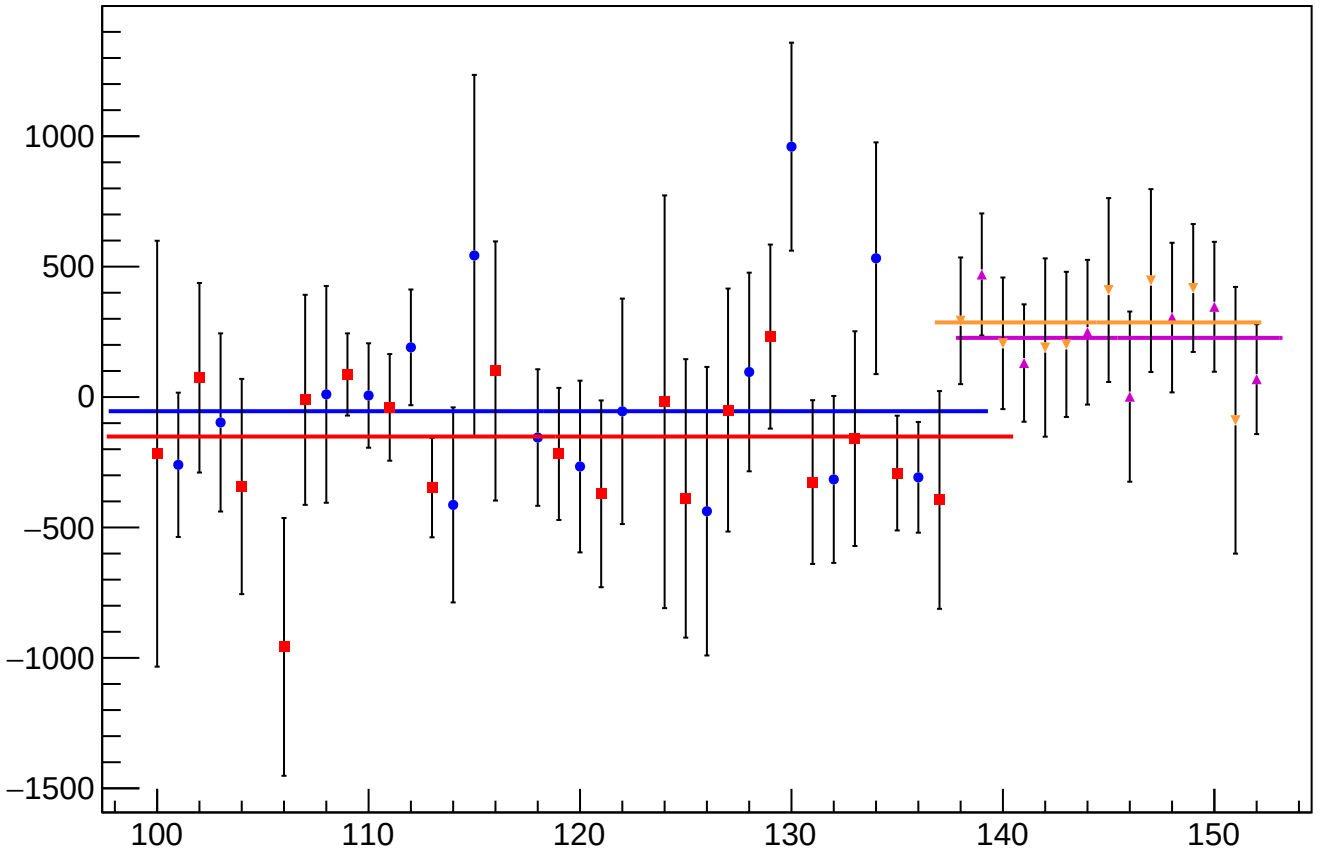
Left: 239.294+/-0.051 χ^2/NDF: 1102273.5/14

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 211.185+/-0.043 χ^2/NDF:1429632.0/22

Out: 204.714+/-0.042 χ^2/NDF:2686353.1/26

All: 207.854+/-0.030 χ^2/NDF: 4127540.2/49



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: 226.906+/-94.825 χ^2/NDF:2.6/6

Left: 253.550+/-70.358 χ^2/NDF: 4.2/14

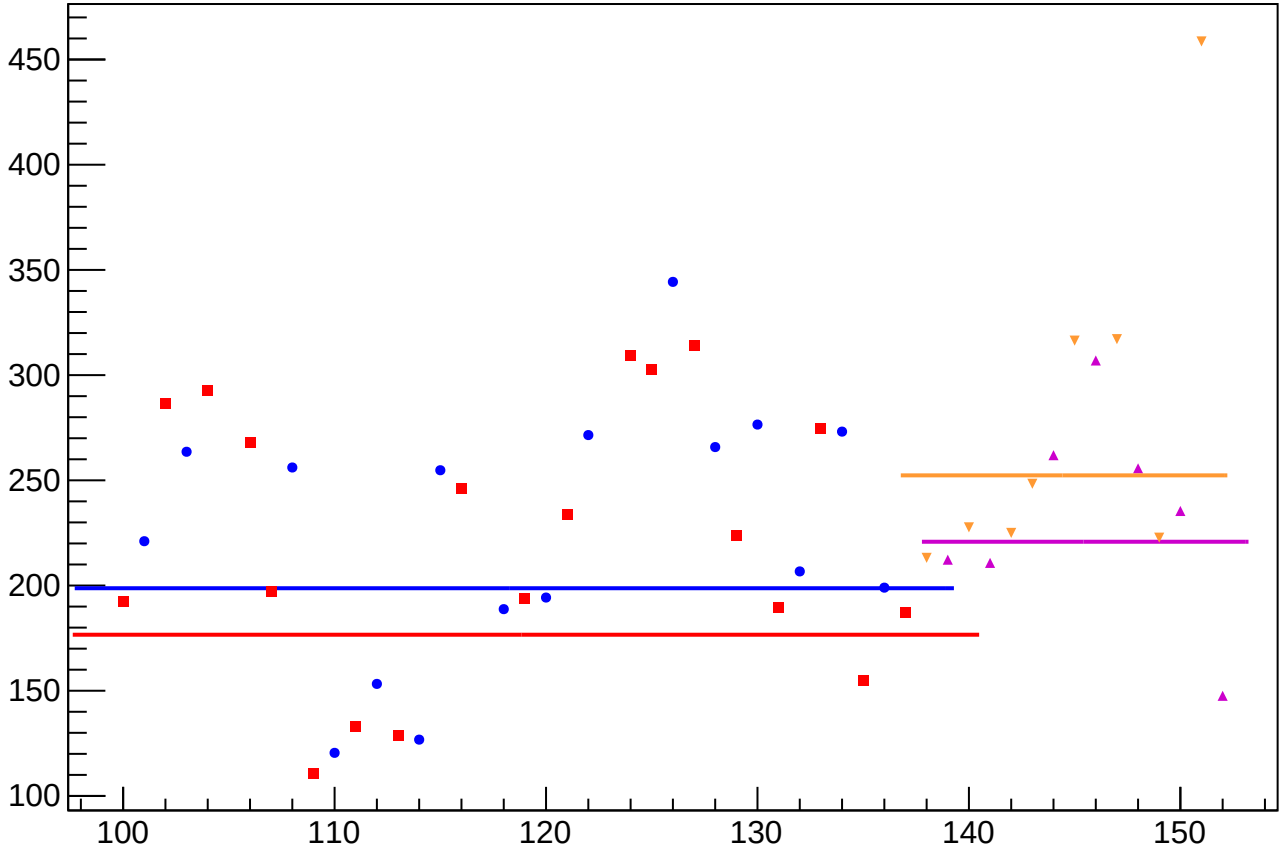
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 59.117+/-60.214 χ^2/NDF:22.9/22

Out: -16.895+/-58.178 χ^2/NDF:23.7/26

All: 19.804+/-41.839 χ^2/NDF: 47.5/49

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: 220.809+/-0.067 χ^2/NDF:468300.1/6

Left: 234.990+/-0.050 χ^2/NDF: 1141172.8/14

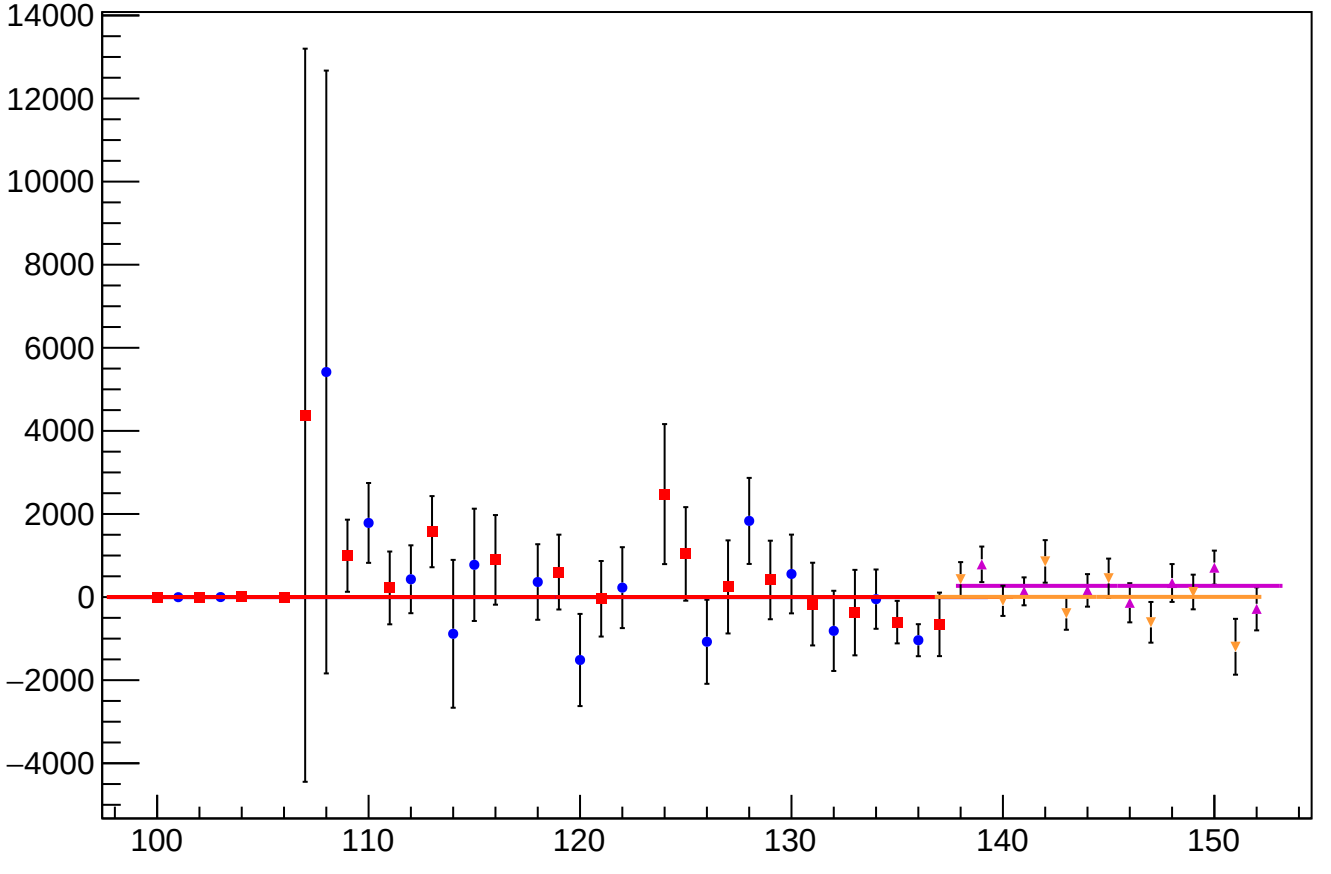
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 207.626+/-0.043 χ^2/NDF:1527146.4/22

Out: 199.897+/-0.041 χ^2/NDF:2890614.4/26

All: 203.629+/-0.030 χ^2/NDF: 4434805.0/49

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: 270.092+/-158.459 χ^2/NDF:4.8/6

Left: 136.659+/-111.763 χ^2/NDF: 16.8/14

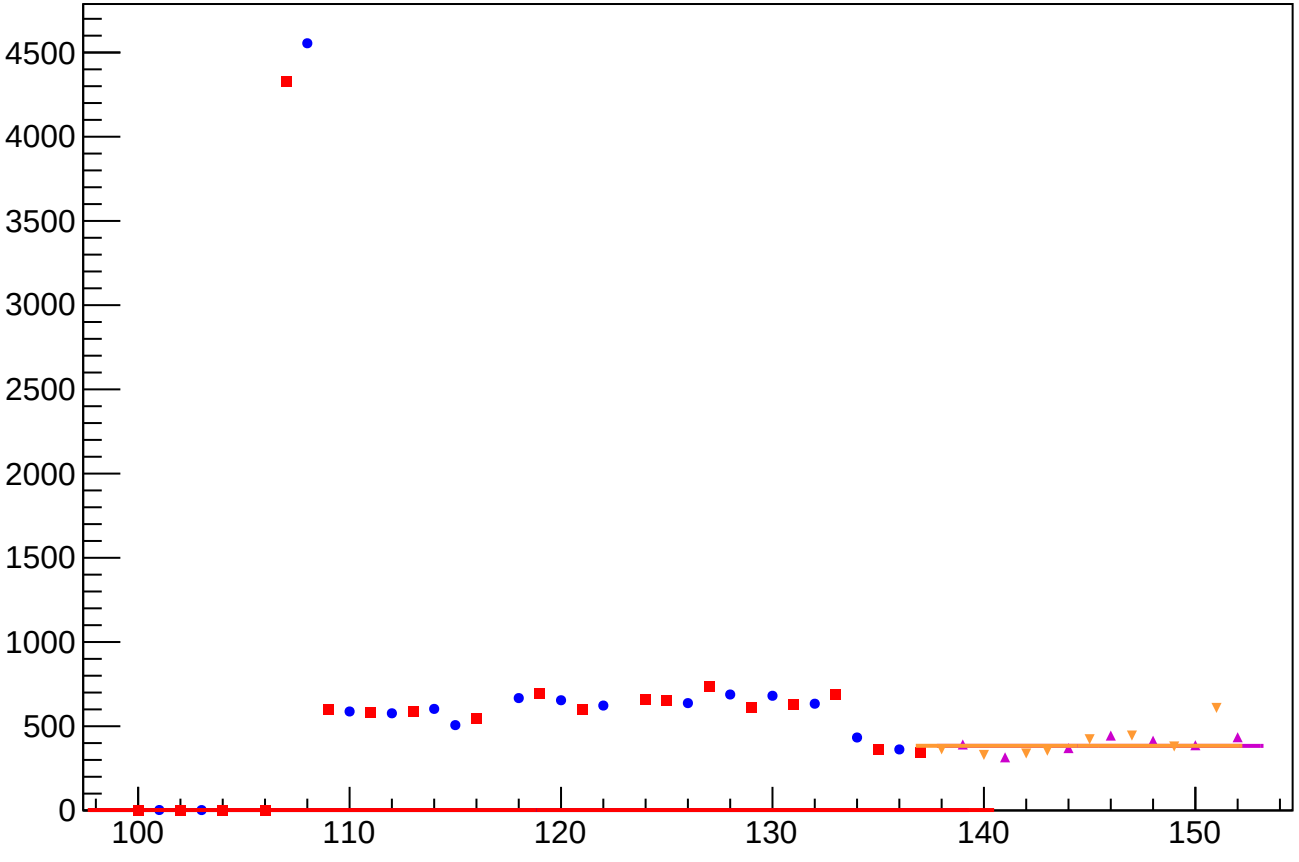
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.188+/-2.171 χ^2/NDF:27.6/22

Out: 1.378+/-2.022 χ^2/NDF:27.5/26

All: 0.186+/-1.480 χ^2/NDF: 55.8/49

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: 383.373+/-0.112 χ^2/NDF:147248.8/6

Left: 383.667+/-0.079 χ^2/NDF: 492206.9/14

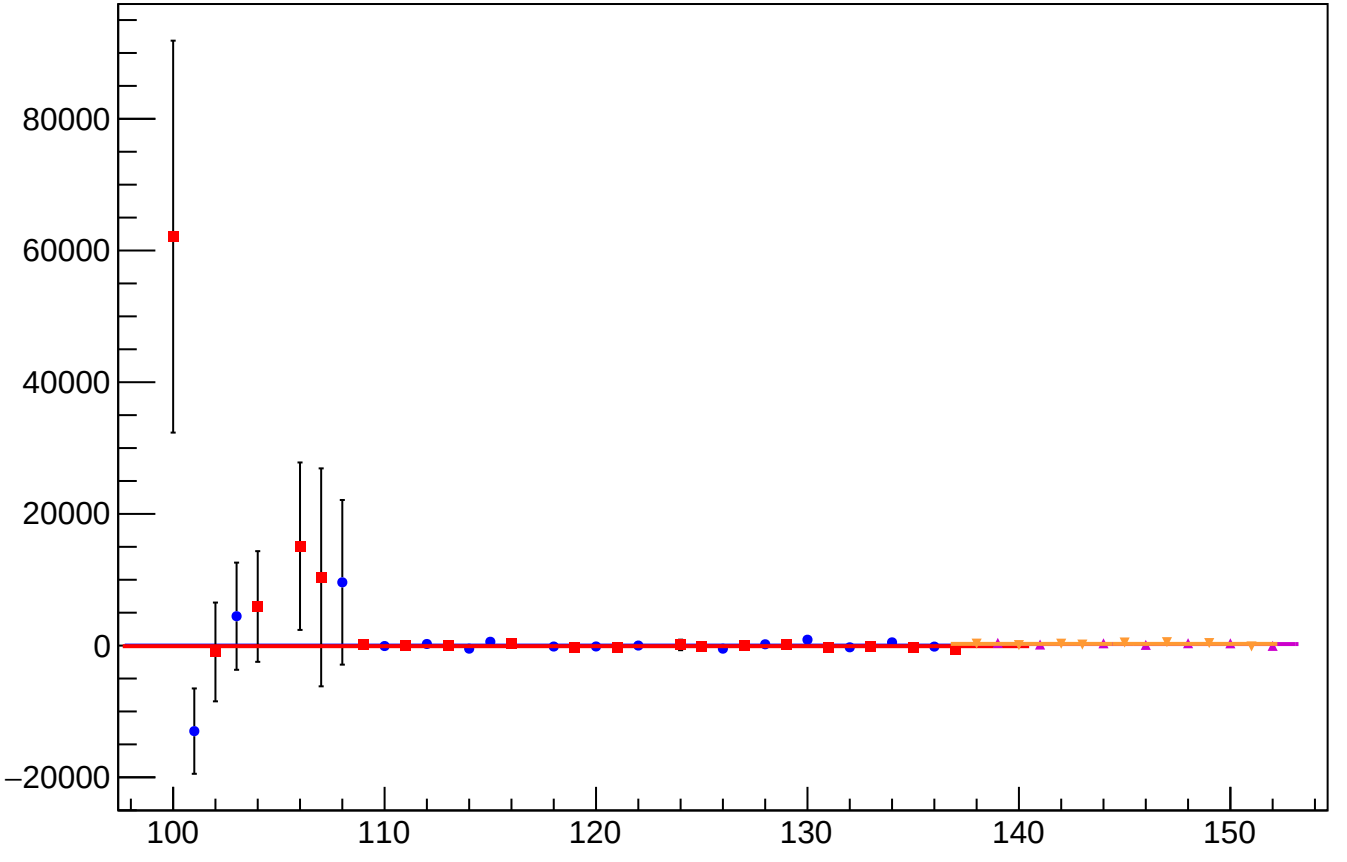
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.548+/-0.002 χ^2/NDF:23327266.5/22

Out: 2.525+/-0.001 χ^2/NDF:23599217.4/26

All: 2.536+/-0.001 χ^2/NDF: 46926606.7/49

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: 234.552+/-99.435 χ^2/NDF:2.8/6

Left: 246.600+/-73.812 χ^2/NDF: 5.1/14

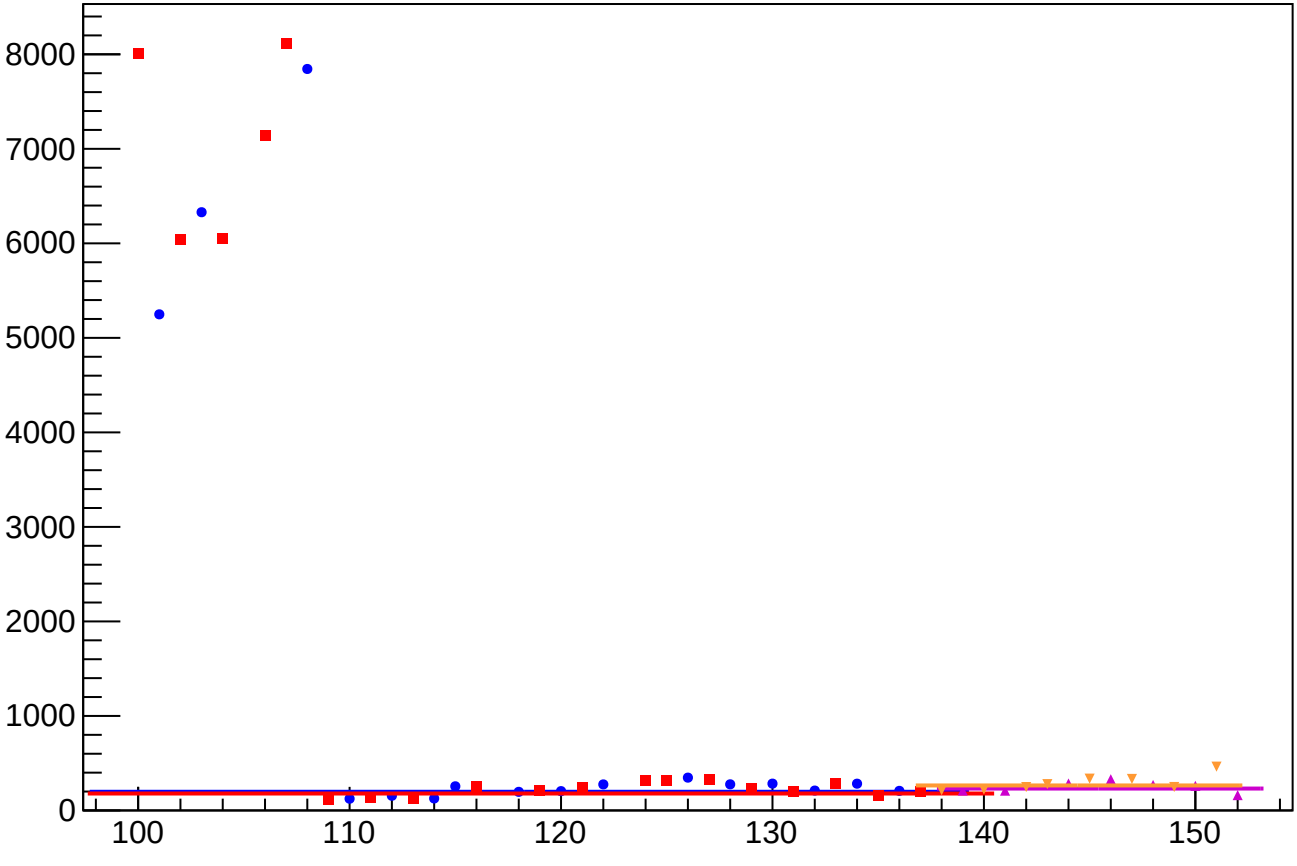
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 103.110+/-65.825 χ^2/NDF:22.8/22

Out: 35.741+/-65.572 χ^2/NDF:23.6/26

All: 69.296+/-46.456 χ^2/NDF: 46.9/49

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: 231.702+/-0.070 χ^2/NDF:500196.1/6

Left: 246.465+/-0.052 χ^2/NDF: 1206665.6/14

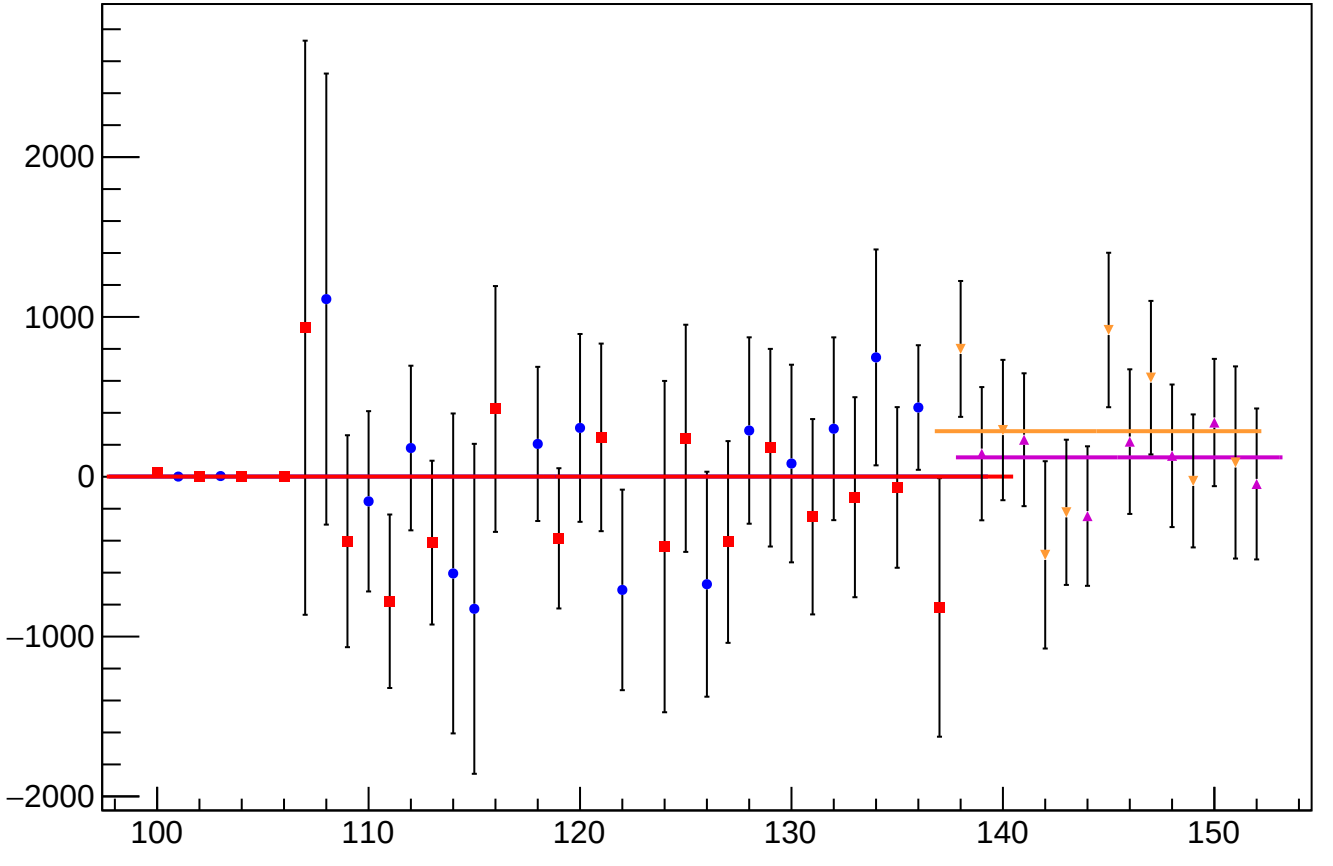
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 212.555+/-0.047 χ^2/NDF:4589388.6/22

Out: 209.486+/-0.046 χ^2/NDF:5801609.6/26

All: 211.015+/-0.033 χ^2/NDF: 10393180.5/49

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: 121.395+/-163.318 χ^2/NDF:1.3/6

Left: 201.169+/-116.935 χ^2/NDF: 9.1/14

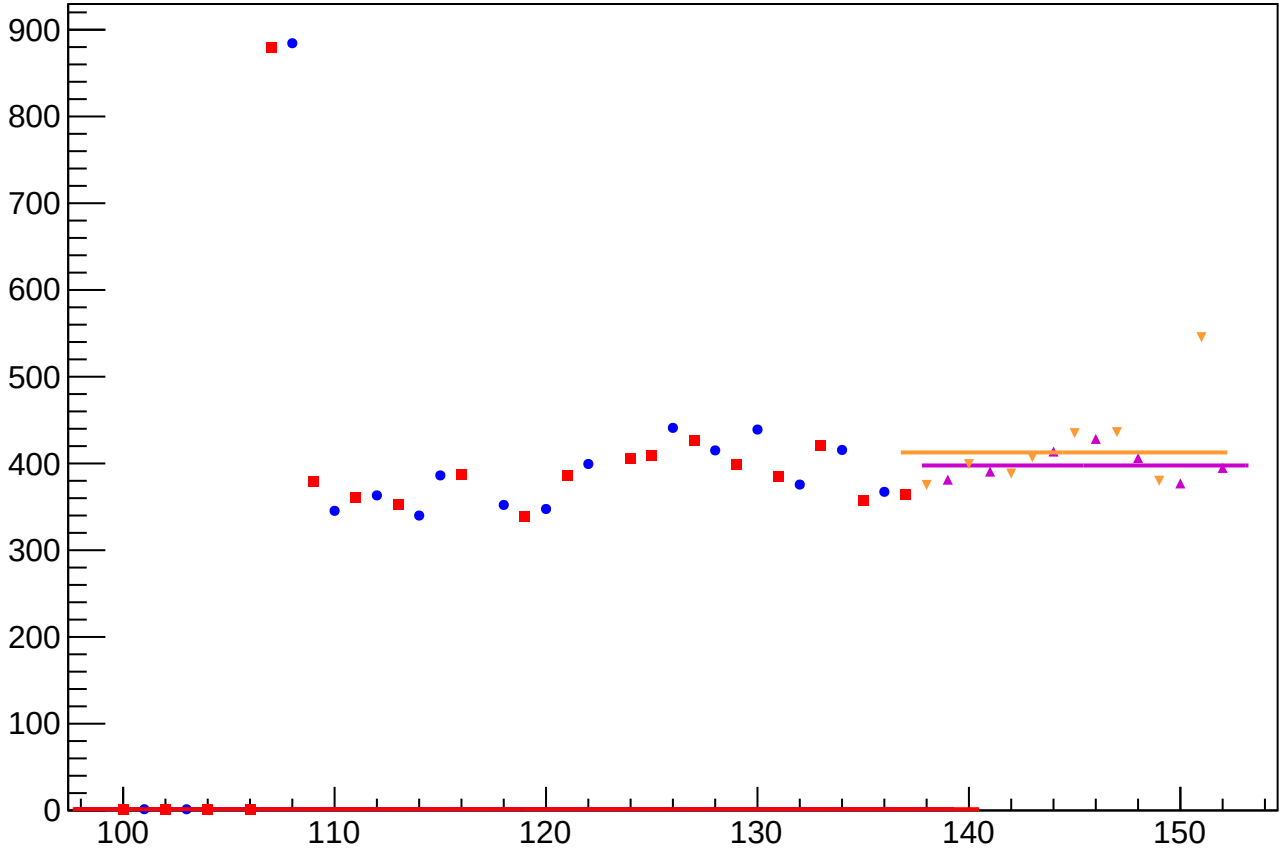
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.468+/-1.660 χ^2/NDF:9.7/22

Out: 1.117+/-1.528 χ^2/NDF:19.4/26

All: 1.278+/-1.124 χ^2/NDF: 29.1/49

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: 397.678+/-0.115 χ^2/NDF:21726.7/6

Left: 405.007+/-0.083 χ^2/NDF: 170021.0/14

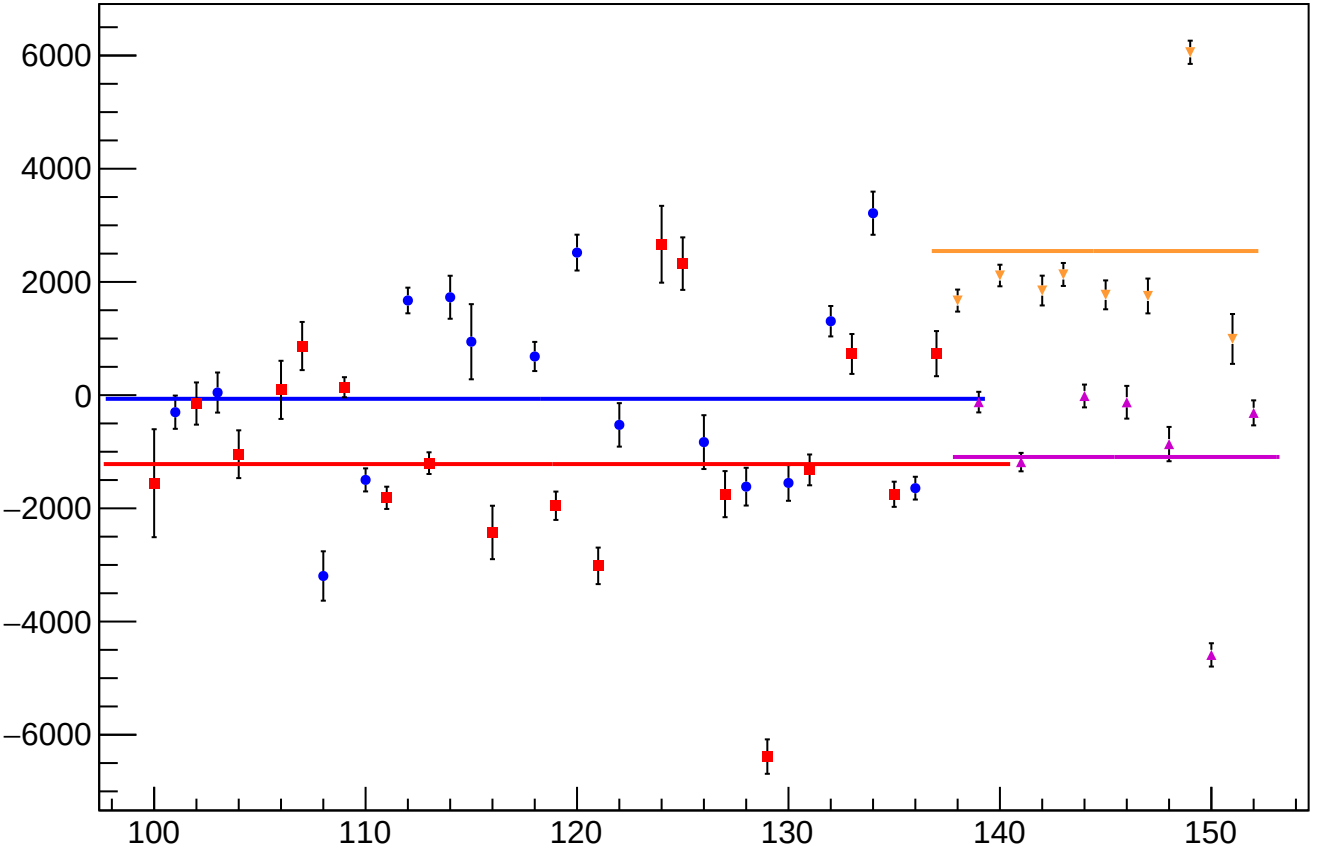
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.511+/-0.001 χ^2/NDF:23526668.7/22

Out: 1.501+/-0.001 χ^2/NDF:23464977.2/26

All: 1.506+/-0.001 χ^2/NDF: 46991683.2/49

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: -1092.484+/-79.197 χ^2/NDF:369.6/6

Left: 655.747+/-57.082 χ^2/NDF: 1741.5/14

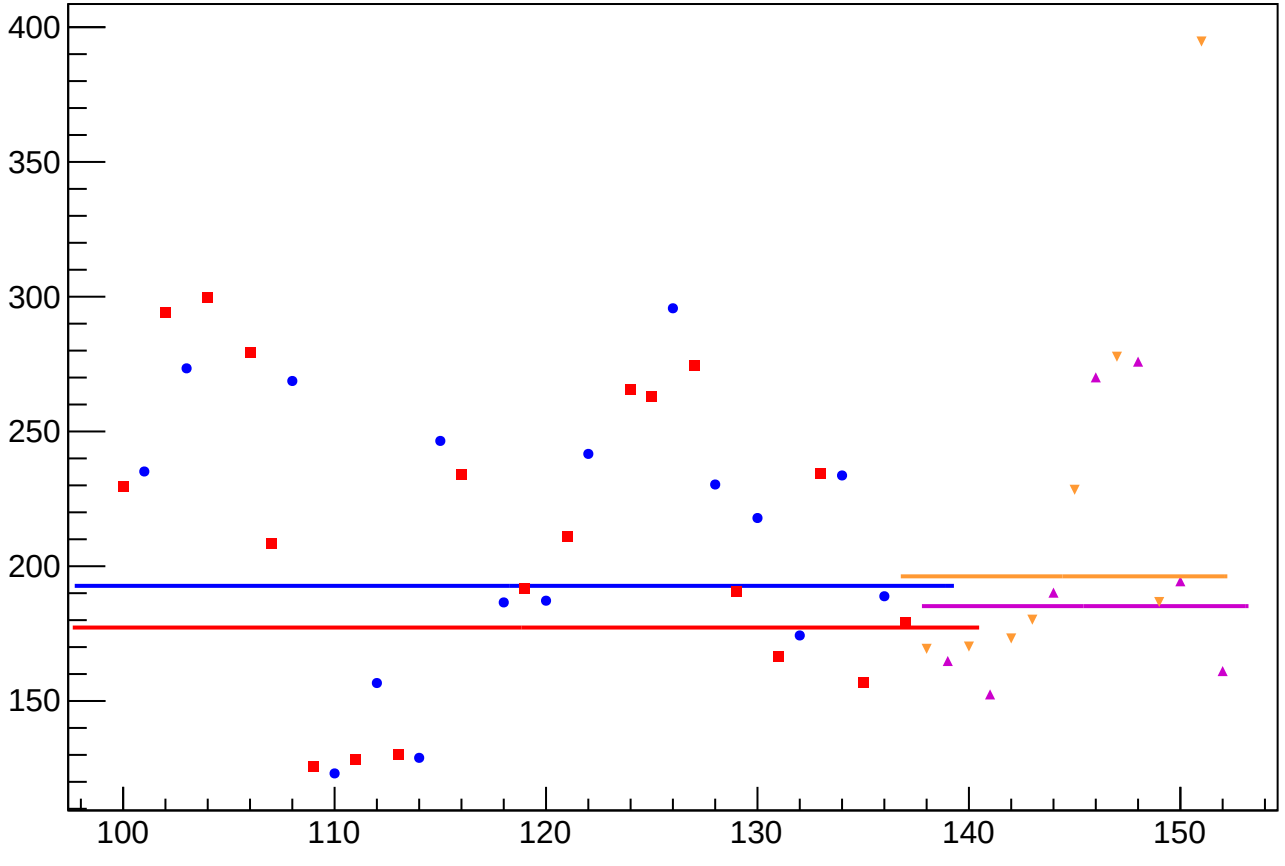
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -550.078+/-54.416 χ^2/NDF:928.0/22

Out: 335.226+/-52.898 χ^2/NDF:2179.3/26

All: -94.907+/-37.930 χ^2/NDF: 3243.4/49

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: 185.196+/-0.056 χ^2/NDF:486373.3/6

Left: 190.505+/-0.040 χ^2/NDF: 1190699.8/14

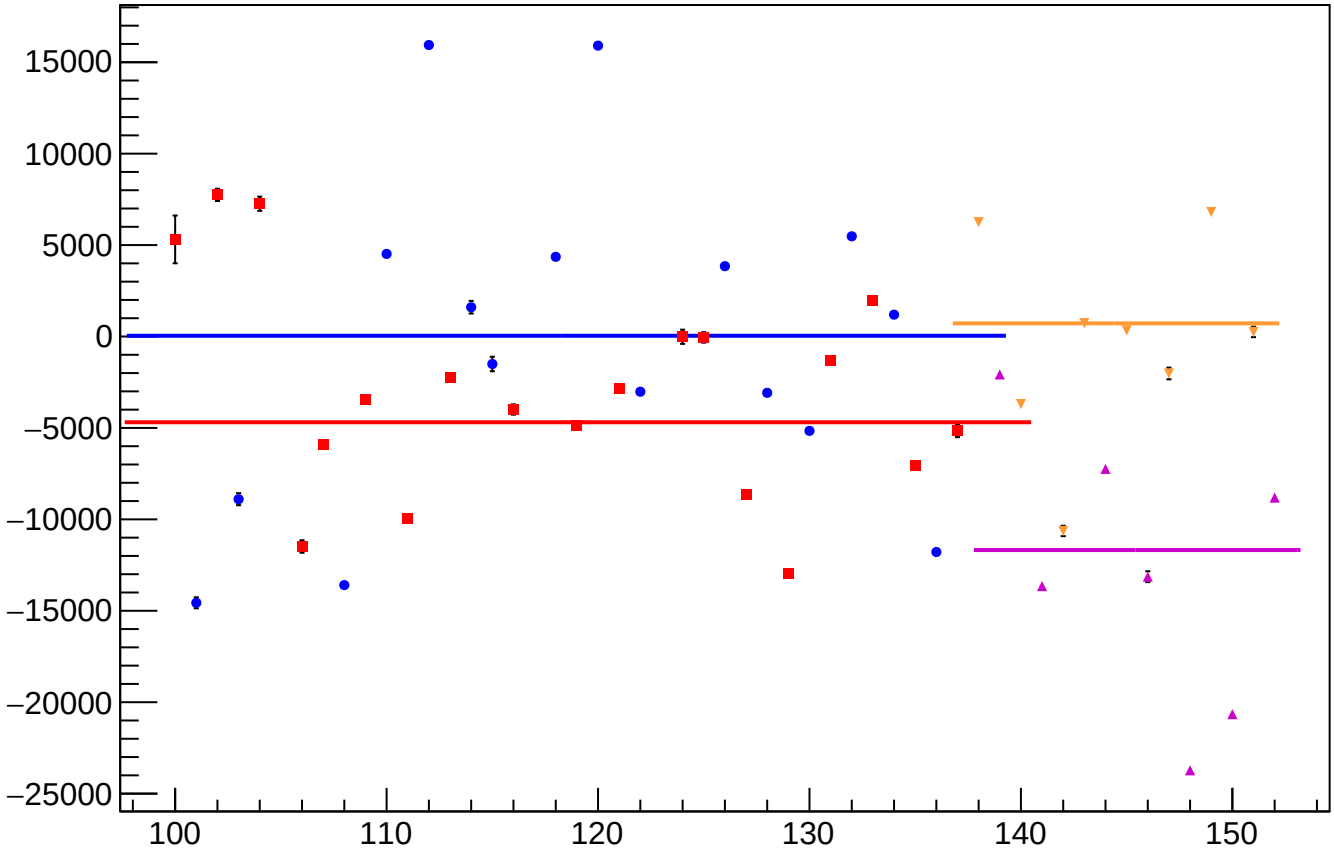
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 189.168+/-0.038 χ^2/NDF:1255045.7/22

Out: 185.089+/-0.037 χ^2/NDF:1974300.2/26

All: 187.071+/-0.027 χ^2/NDF: 3235122.2/49

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: -11678.075+/-84.539 χ^2/NDF:7040.5/6

Left: -5568.020+/-60.203 χ^2/NDF: 21287.3/14

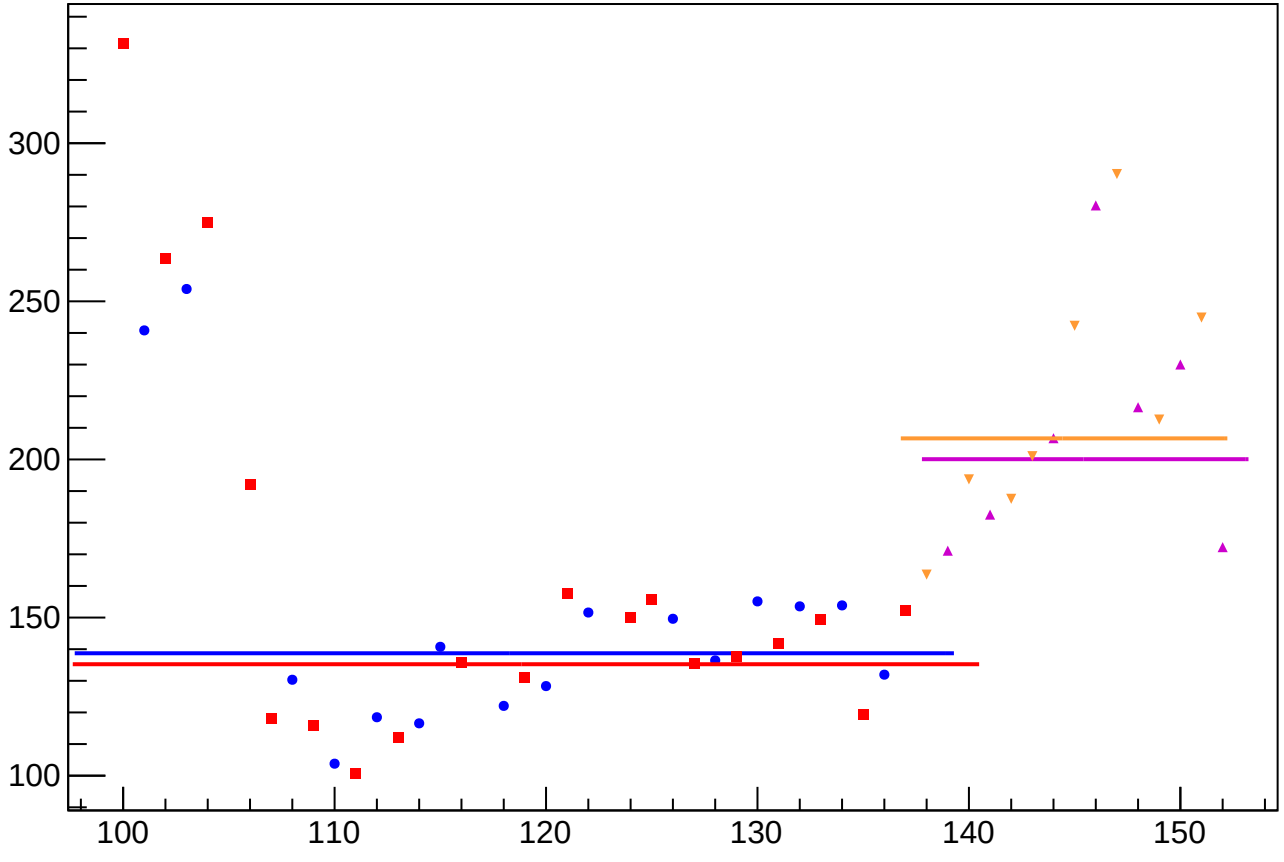
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -3372.745+/-45.627 χ^2/NDF:51445.4/22

Out: -3231.730+/-44.523 χ^2/NDF:14349.6/26

All: -3300.512+/-31.866 χ^2/NDF: 65799.9/49

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: 200.081+/-0.060 χ^2/NDF:281794.4/6

Left: 203.324+/-0.043 χ^2/NDF: 619526.6/14

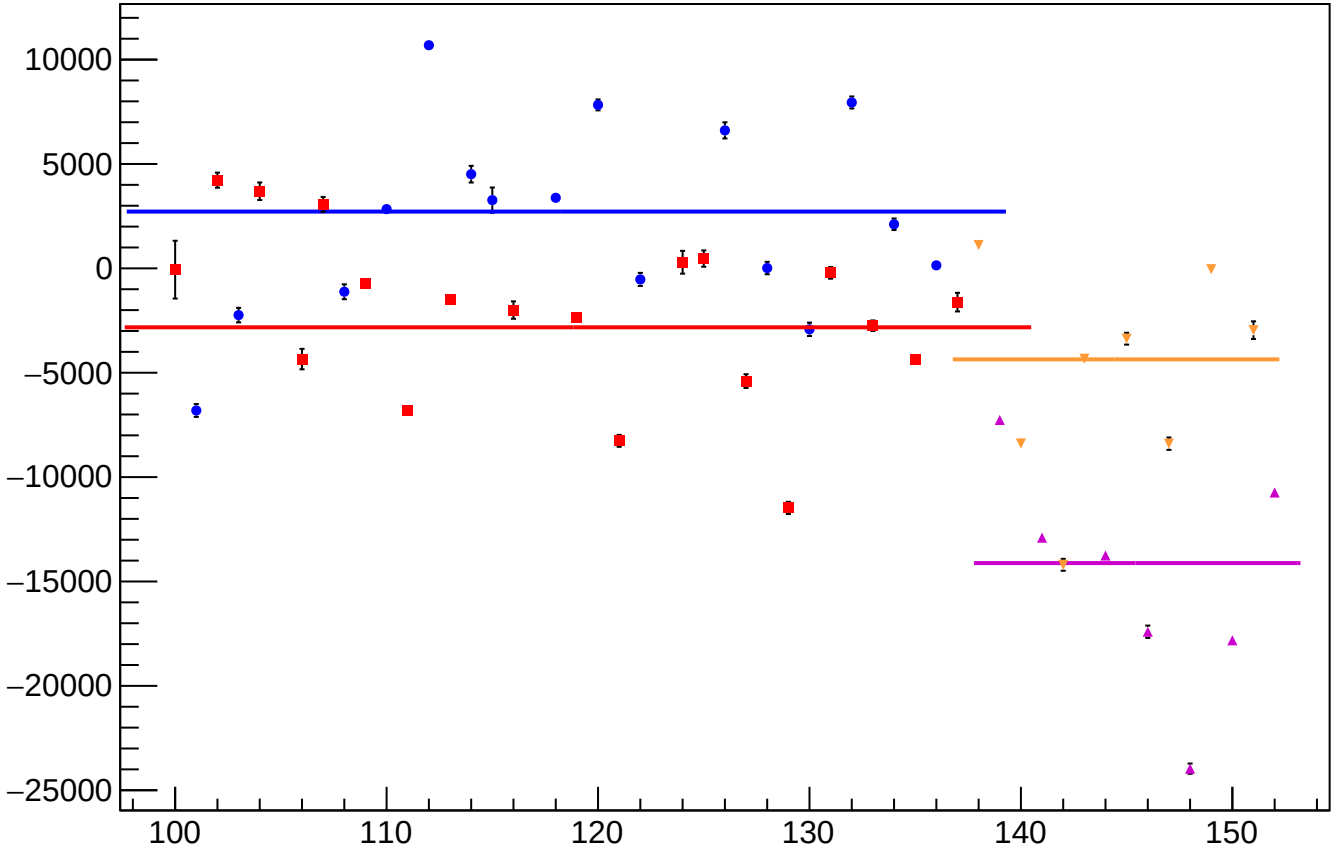
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 156.588+/-0.032 χ^2/NDF:1686510.5/22

Out: 154.497+/-0.031 χ^2/NDF:2234992.0/26

All: 155.517+/-0.023 χ^2/NDF: 3923655.4/49

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: -14117.968+/-84.391 χ^2/NDF:3461.7/6

Left: -9446.962+/-60.935 χ^2/NDF: 12741.3/14

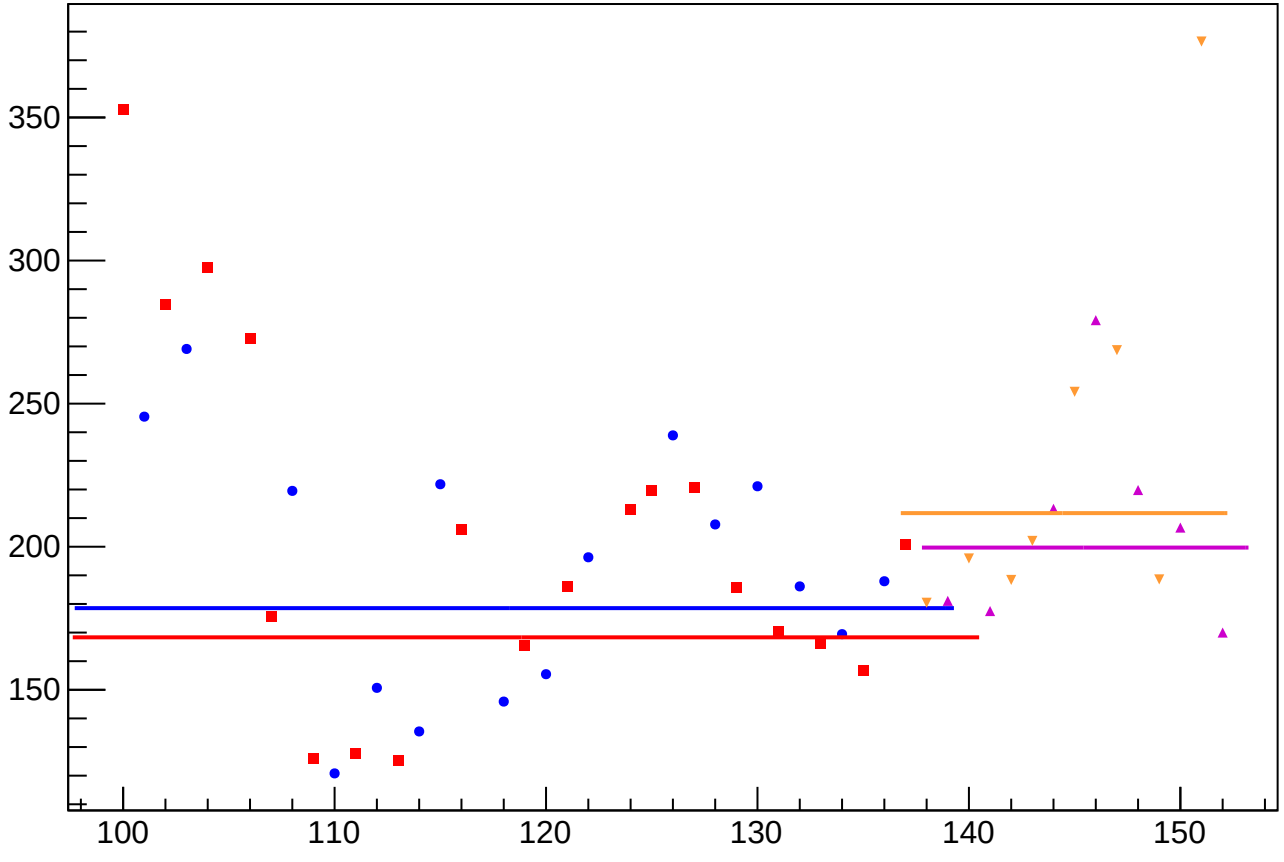
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -4055.251+/-53.532 χ^2/NDF:31381.5/22

Out: -3363.397+/-52.222 χ^2/NDF:6138.8/26

All: -3700.753+/-37.381 χ^2/NDF: 37605.9/49

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: 199.700+/-0.060 χ^2/NDF:244889.7/6

Left: 205.465+/-0.043 χ^2/NDF: 783878.7/14

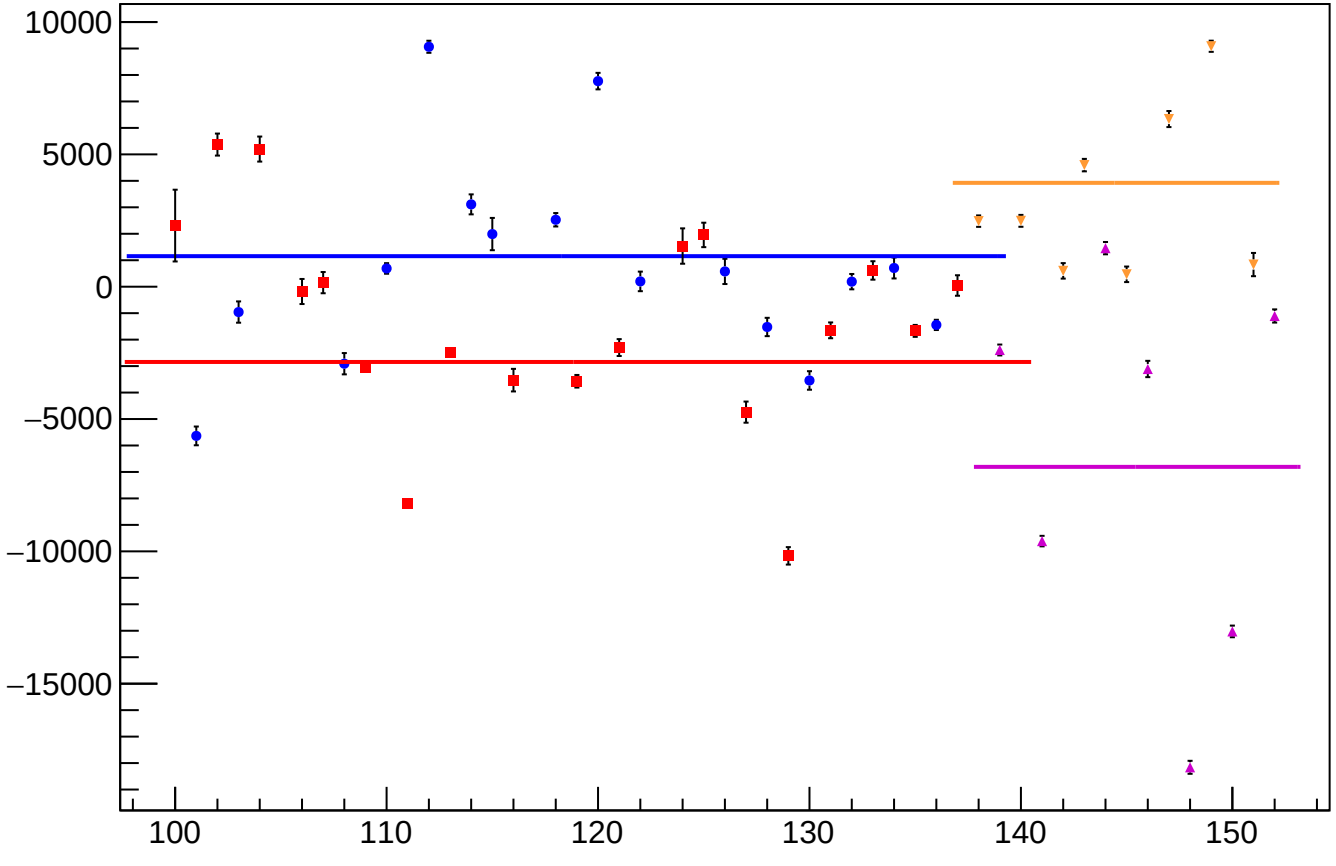
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 187.055+/-0.038 χ^2/NDF:994593.6/22

Out: 183.595+/-0.037 χ^2/NDF:1813999.5/26

All: 185.282+/-0.026 χ^2/NDF: 2812875.2/49

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: -6807.463+/-87.283 χ^2/NDF:5522.9/6

Left: -1660.246+/-62.964 χ^2/NDF: 13845.5/14

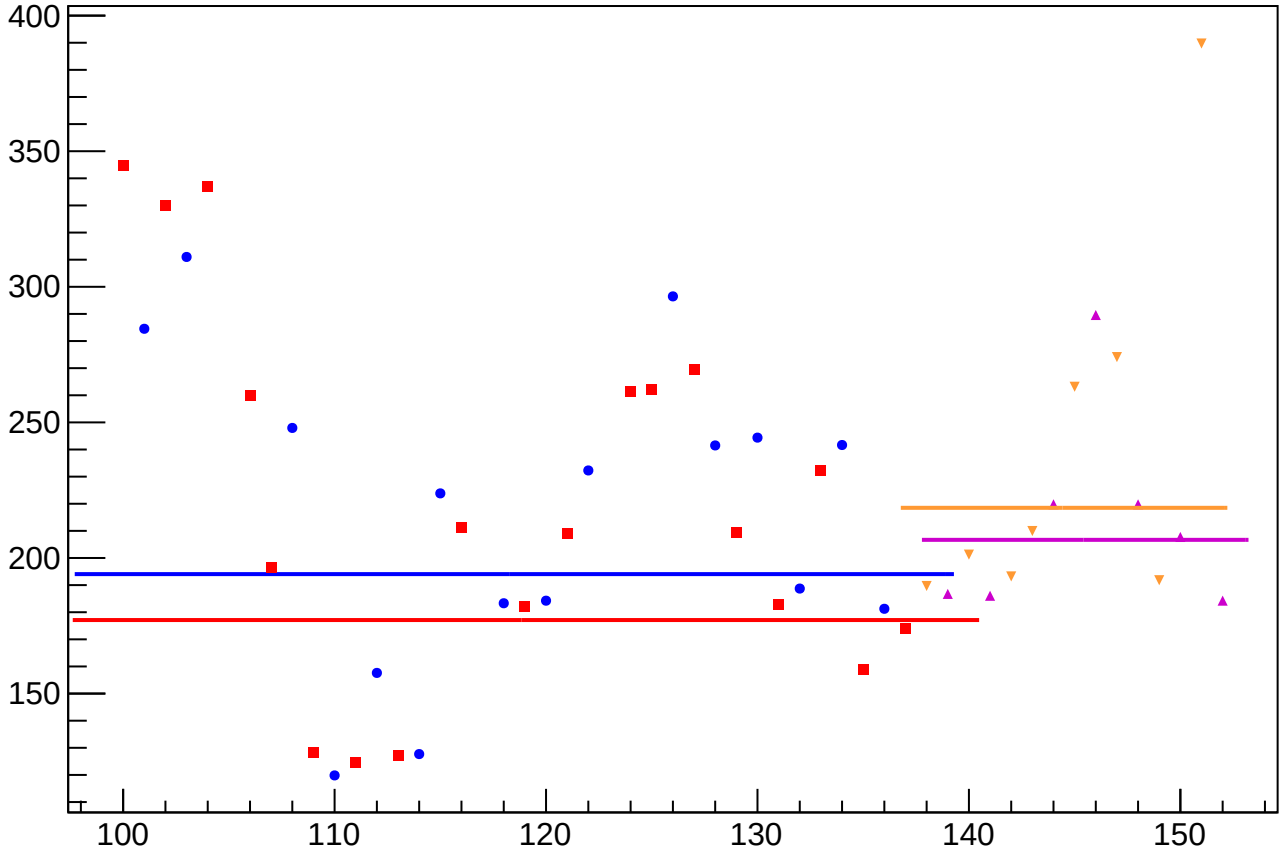
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -2277.090+/-57.298 χ^2/NDF:12912.6/22

Out: -363.897+/-55.033 χ^2/NDF:7036.3/26

All: -1281.934+/-39.691 χ^2/NDF: 20528.8/49

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: 206.690+/-0.062 χ^2/NDF:213463.8/6

Left: 212.355+/-0.045 χ^2/NDF: 744765.9/14

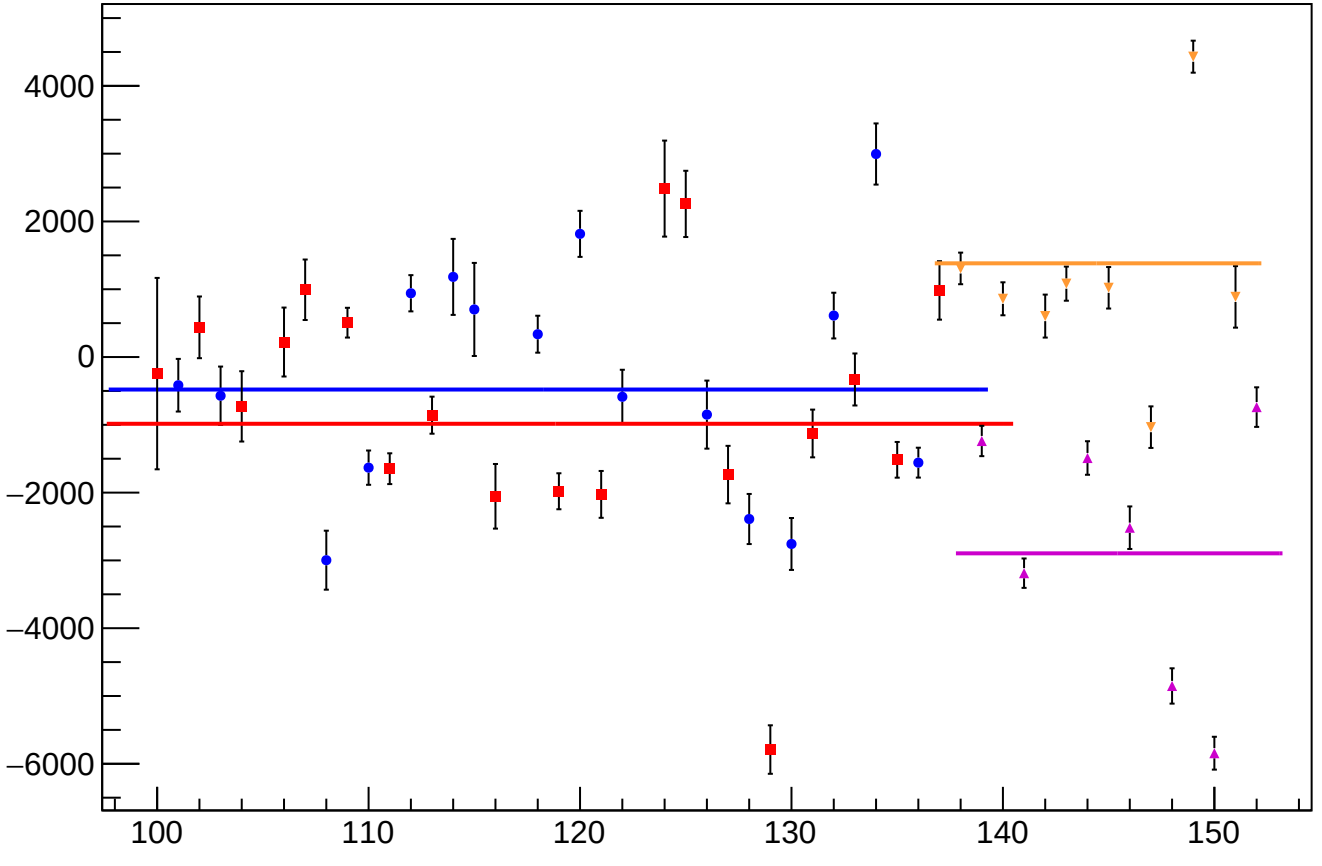
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 199.499+/-0.041 χ^2/NDF:1203108.4/22

Out: 192.280+/-0.039 χ^2/NDF:2135670.2/26

All: 195.744+/-0.028 χ^2/NDF: 3355293.7/49

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: -2895.724+/-94.814 χ^2/NDF:349.5/6

Left: -817.022+/-67.983 χ^2/NDF: 1582.3/14

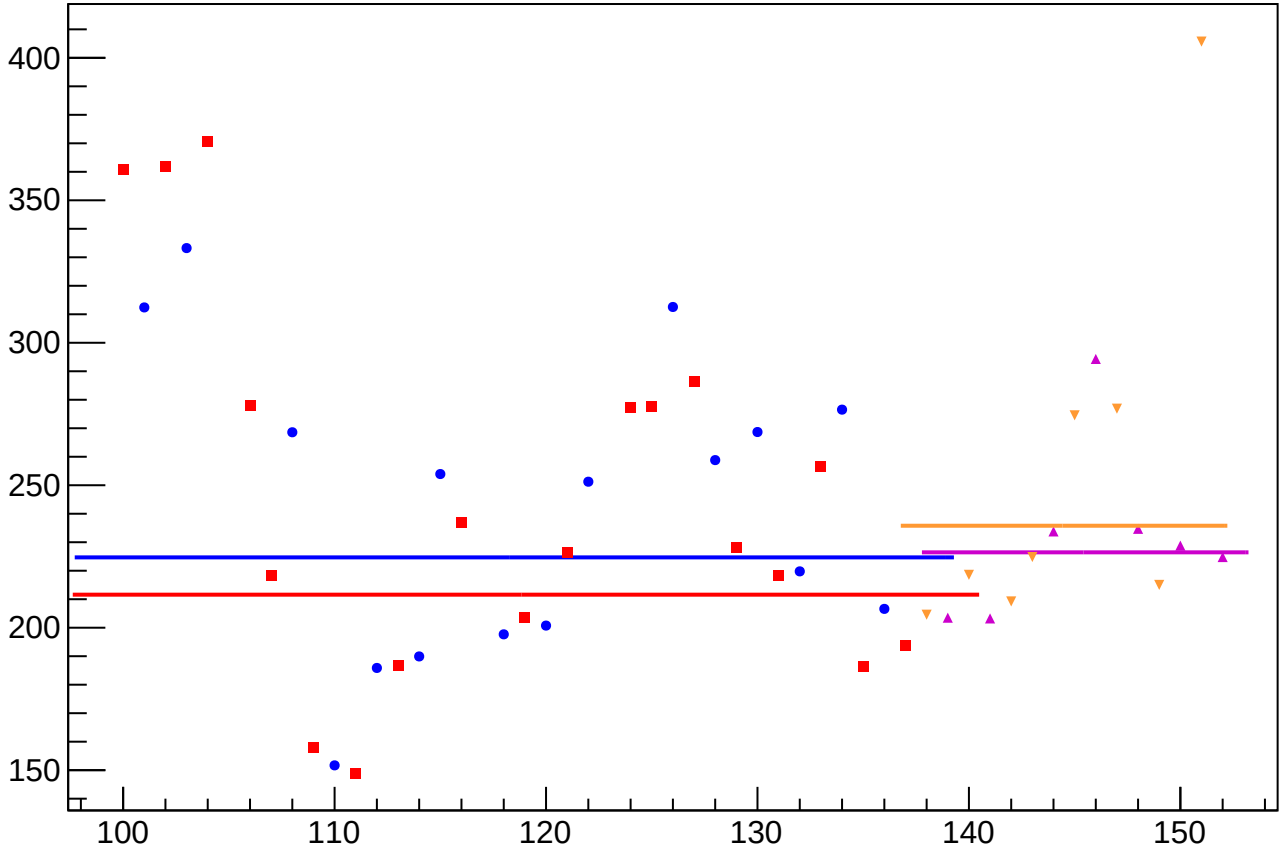
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1579.503+/-63.977 χ^2/NDF:1008.7/22

Out: -19.088+/-62.287 χ^2/NDF:990.4/26

All: -778.415+/-44.629 χ^2/NDF: 2304.6/49

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: 226.452+/-0.067 χ^2/NDF:141511.9/6

Left: 230.989+/-0.048 χ^2/NDF: 578561.9/14

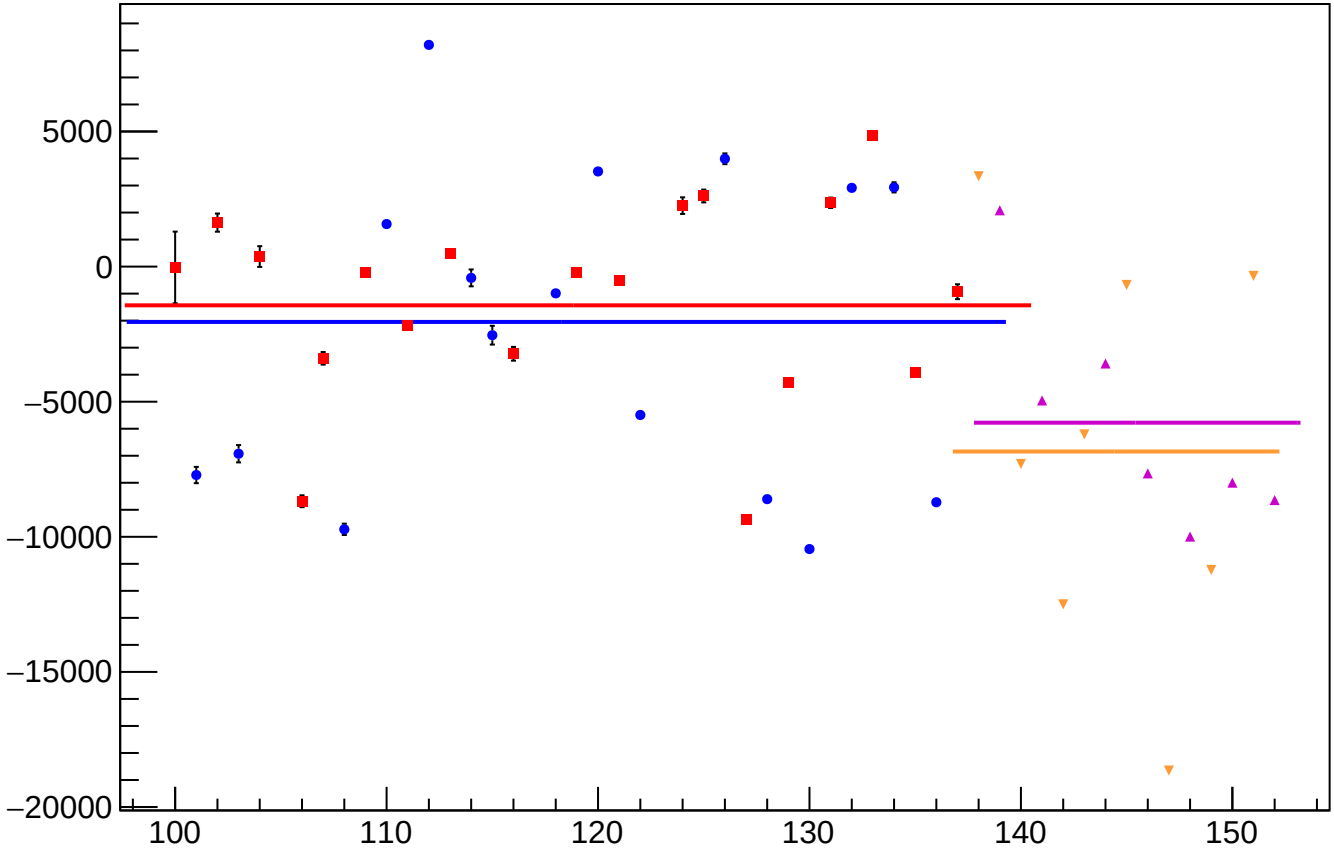
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 225.488+/-0.045 χ^2/NDF:795084.9/22

Out: 221.463+/-0.044 χ^2/NDF:1433406.5/26

All: 223.422+/-0.032 χ^2/NDF: 2232556.0/49

asym_bpm1i02WS_mean vs Slug, Sign Corrected



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: -5776.871+/-46.669 χ^2/NDF:6476.5/6

Left: -6321.183+/-32.657 χ^2/NDF: 29650.3/14

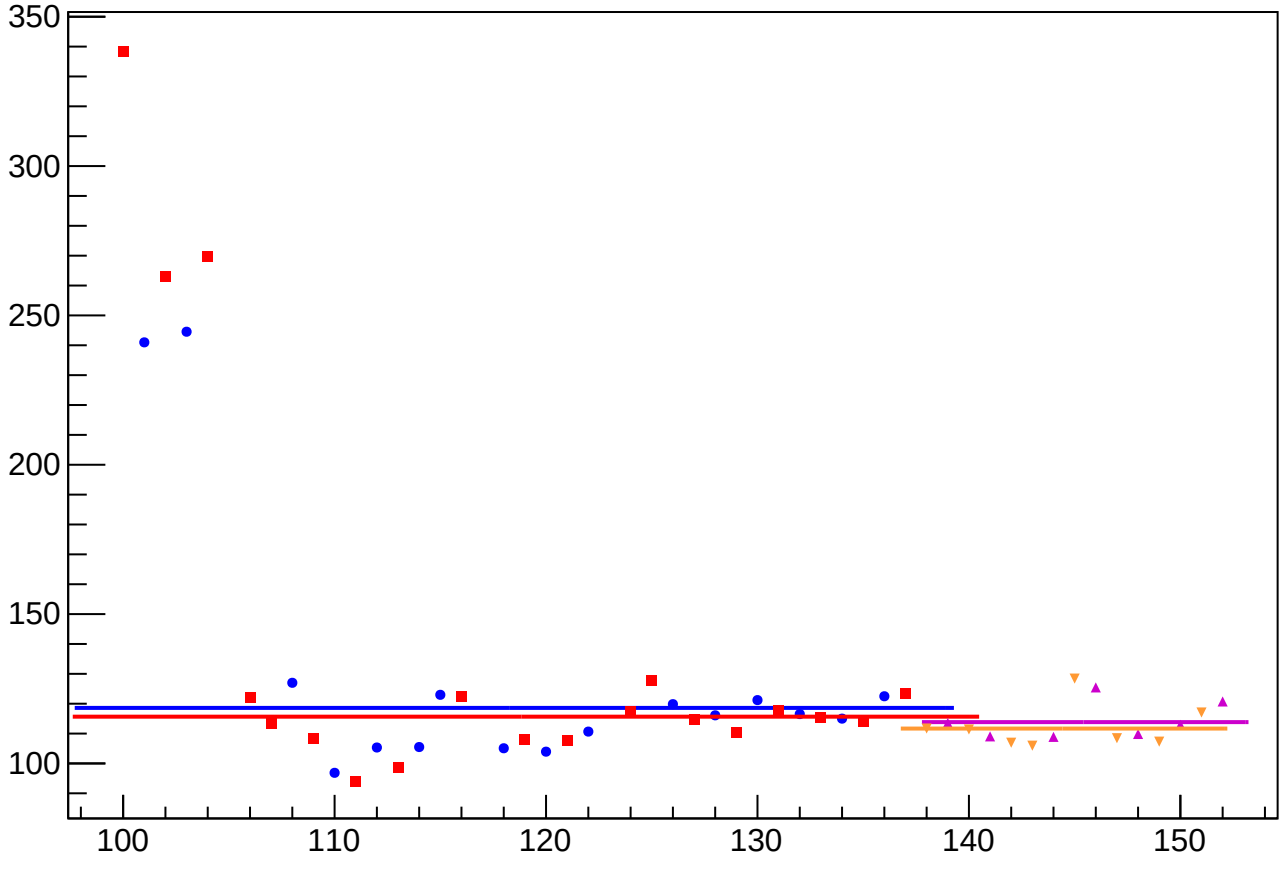
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3914.198+/-33.018 χ^2/NDF:26375.3/22

Out: -4079.291+/-31.971 χ^2/NDF:36451.7/26

All: -3999.405+/-22.968 χ^2/NDF: 62839.9/49

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: 113.836+/-0.033 χ^2/NDF:29788.9/6

Left: 112.734+/-0.023 χ^2/NDF: 72530.7/14

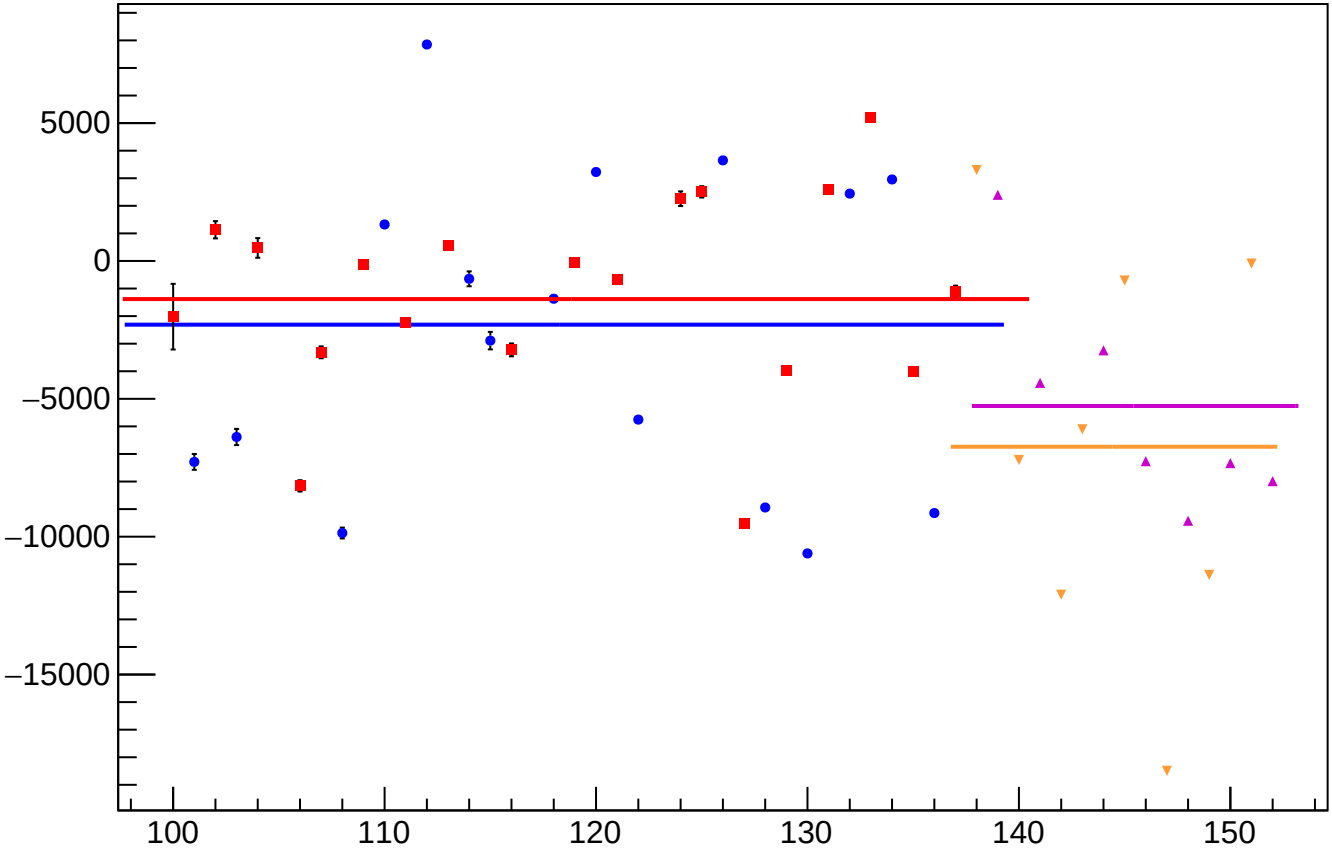
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.213+/-0.023 χ^2/NDF:774340.2/22

Out: 113.712+/-0.023 χ^2/NDF:912520.3/26

All: 114.922+/-0.016 χ^2/NDF: 1692785.1/49

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: -5260.527+/-42.449 χ^2/NDF:7582.4/6

Left: -6011.532+/-29.773 χ^2/NDF: 35497.1/14

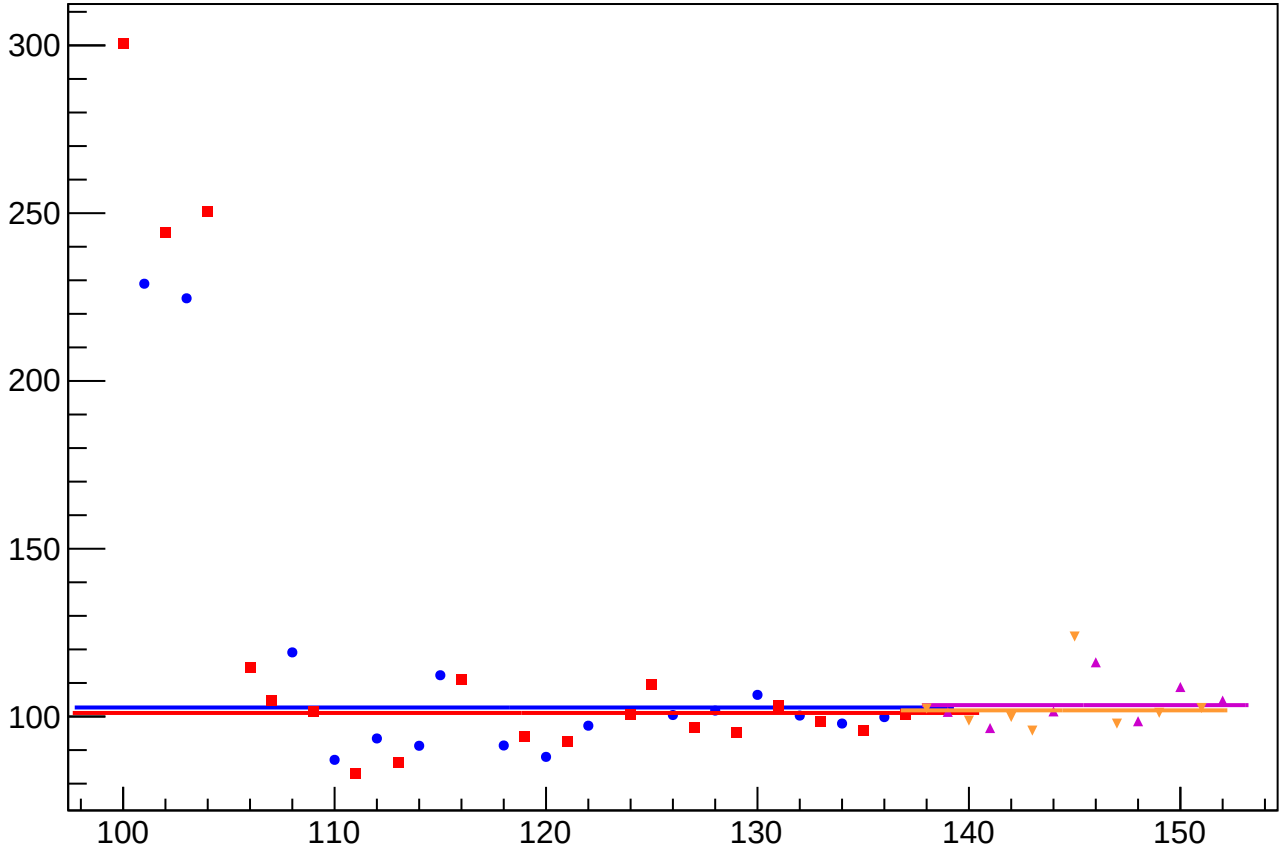
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -3724.780+/-29.391 χ^2/NDF:31776.1/22

Out: -3900.197+/-28.639 χ^2/NDF:44591.9/26

All: -3814.761+/-20.512 χ^2/NDF: 76386.2/49

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: 103.397+/-0.030 χ^2/NDF:39439.3/6

Left: 102.605+/-0.021 χ^2/NDF: 101168.1/14

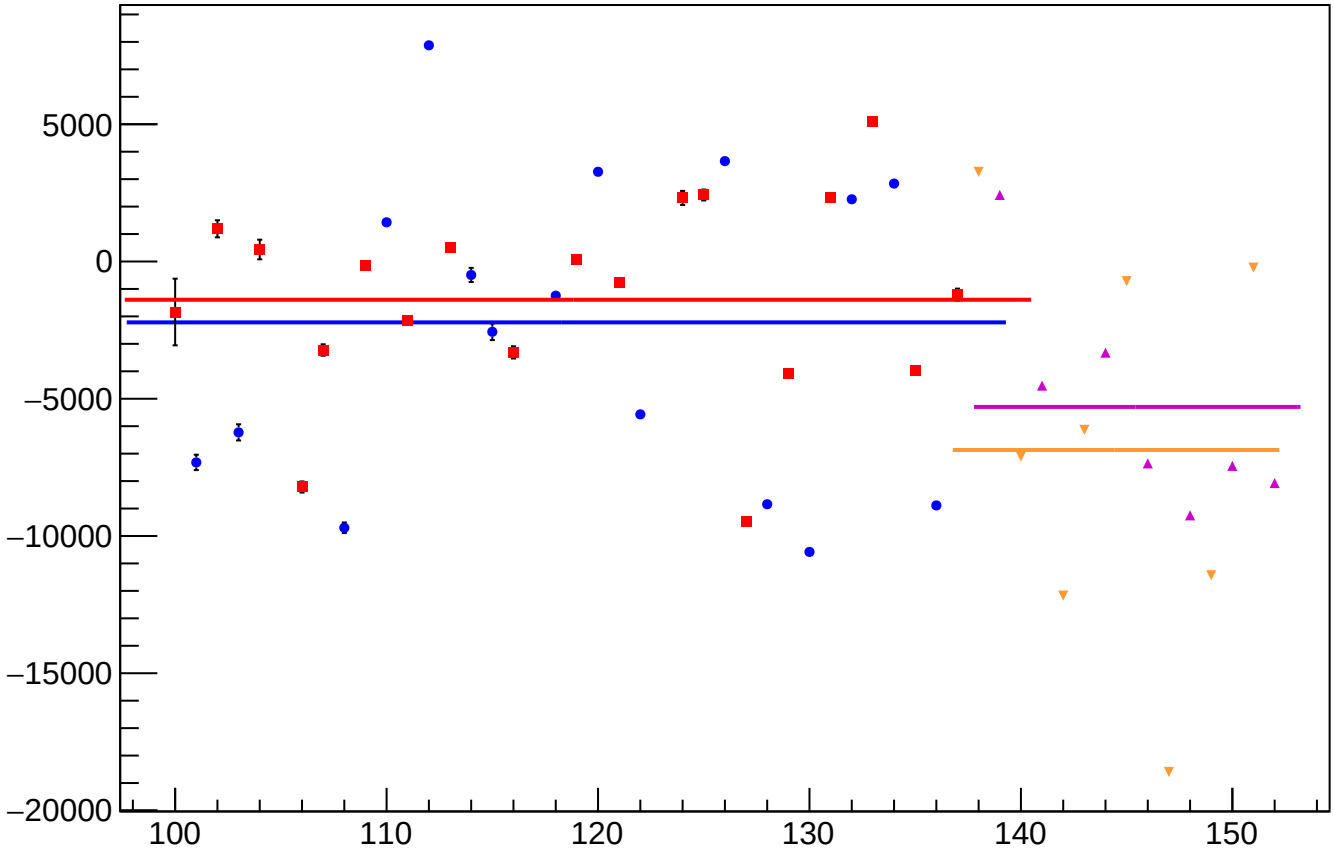
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 103.031+/-0.021 χ^2/NDF:865526.5/22

Out: 101.427+/-0.020 χ^2/NDF:991181.2/26

All: 102.208+/-0.015 χ^2/NDF: 1859760.7/49

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: -5298.219+/-41.192 χ^2/NDF:8027.9/6

Left: -6095.919+/-28.885 χ^2/NDF: 38356.8/14

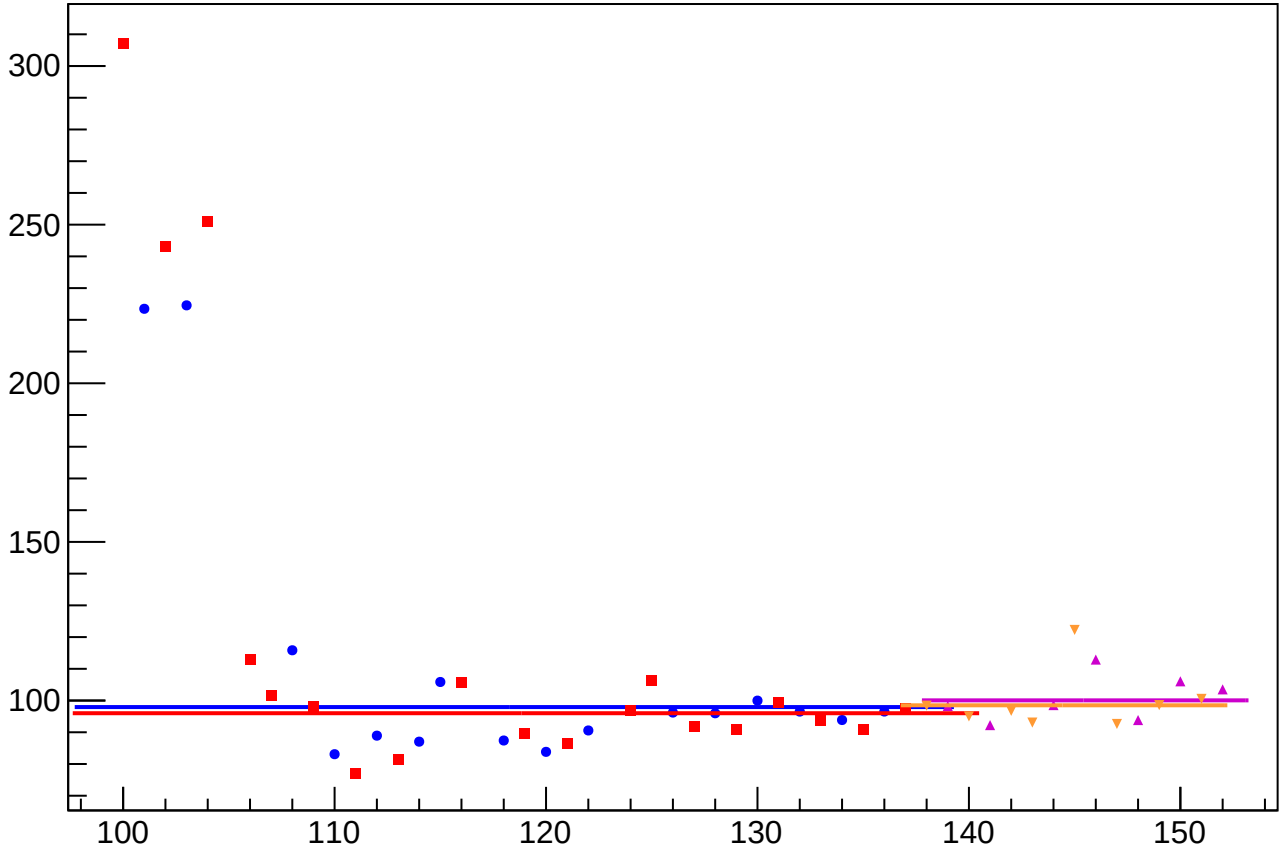
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3675.510+/-28.335 χ^2/NDF:34014.2/22

Out: -3925.099+/-27.552 χ^2/NDF:48555.9/26

All: -3803.801+/-19.753 χ^2/NDF: 82610.0/49

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: 100.059+/-0.029 χ^2/NDF:50311.7/6

Left: 99.267+/-0.020 χ^2/NDF: 125533.1/14

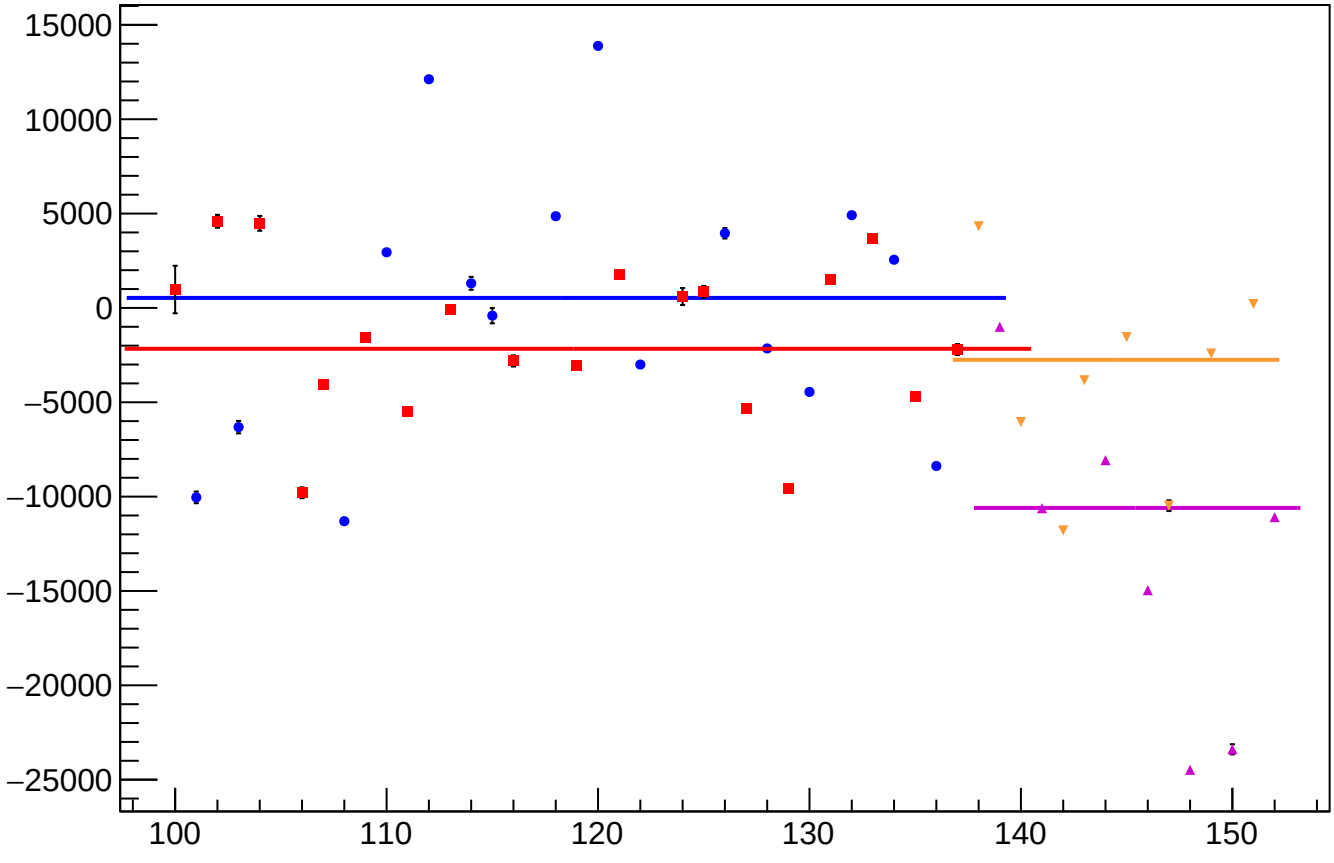
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 98.945+/-0.020 χ^2/NDF:921239.3/22

Out: 97.159+/-0.019 χ^2/NDF:1090134.9/26

All: 98.027+/-0.014 χ^2/NDF: 2015456.1/49

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: -10599.621+/-71.846 χ^2/NDF:9329.0/6

Left: -6482.895+/-49.541 χ^2/NDF: 20656.2/14

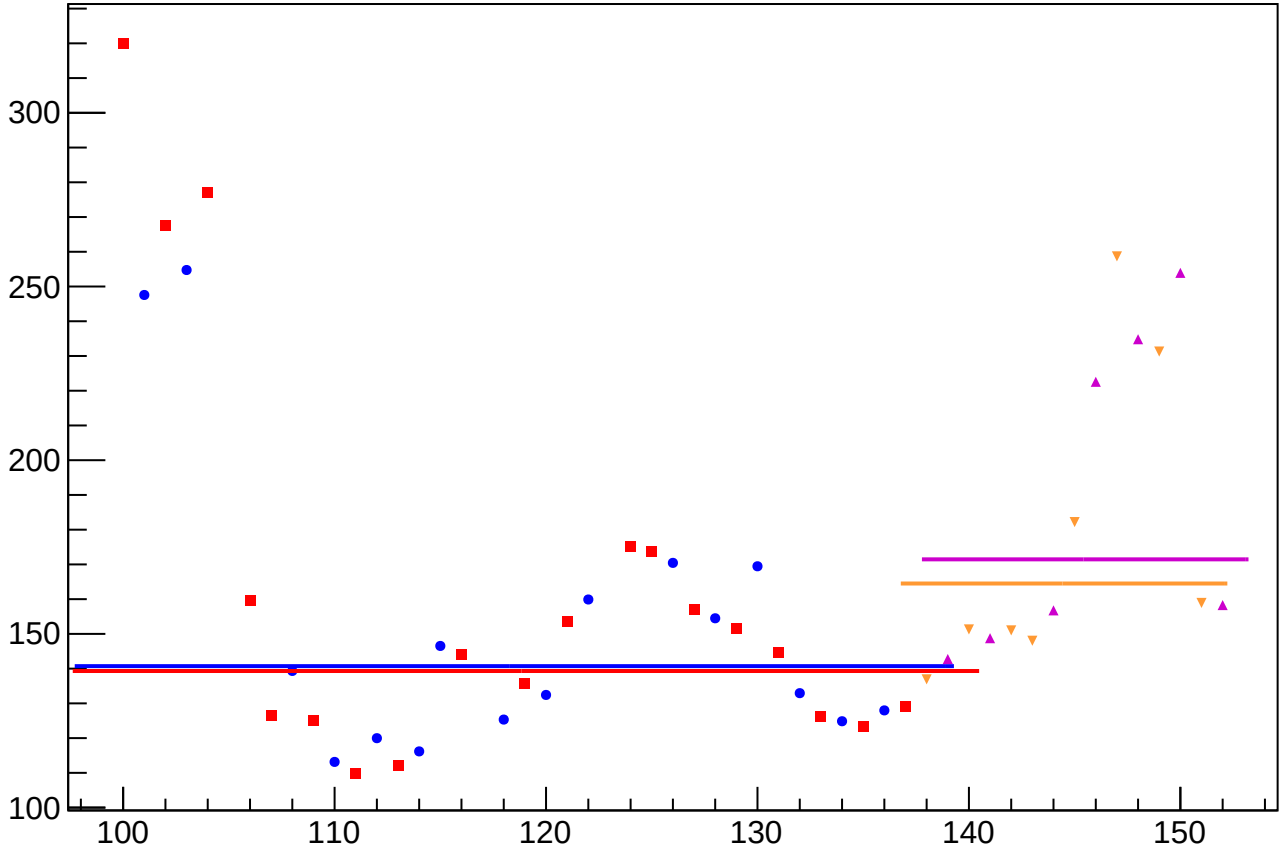
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -3568.246+/-43.600 χ^2/NDF:43077.8/22

Out: -2387.277+/-42.121 χ^2/NDF:10080.7/26

All: -2957.397+/-30.293 χ^2/NDF: 53537.9/49

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: 171.459+/-0.051 χ^2/NDF:532540.9/6

Left: 167.810+/-0.035 χ^2/NDF: 1016444.7/14

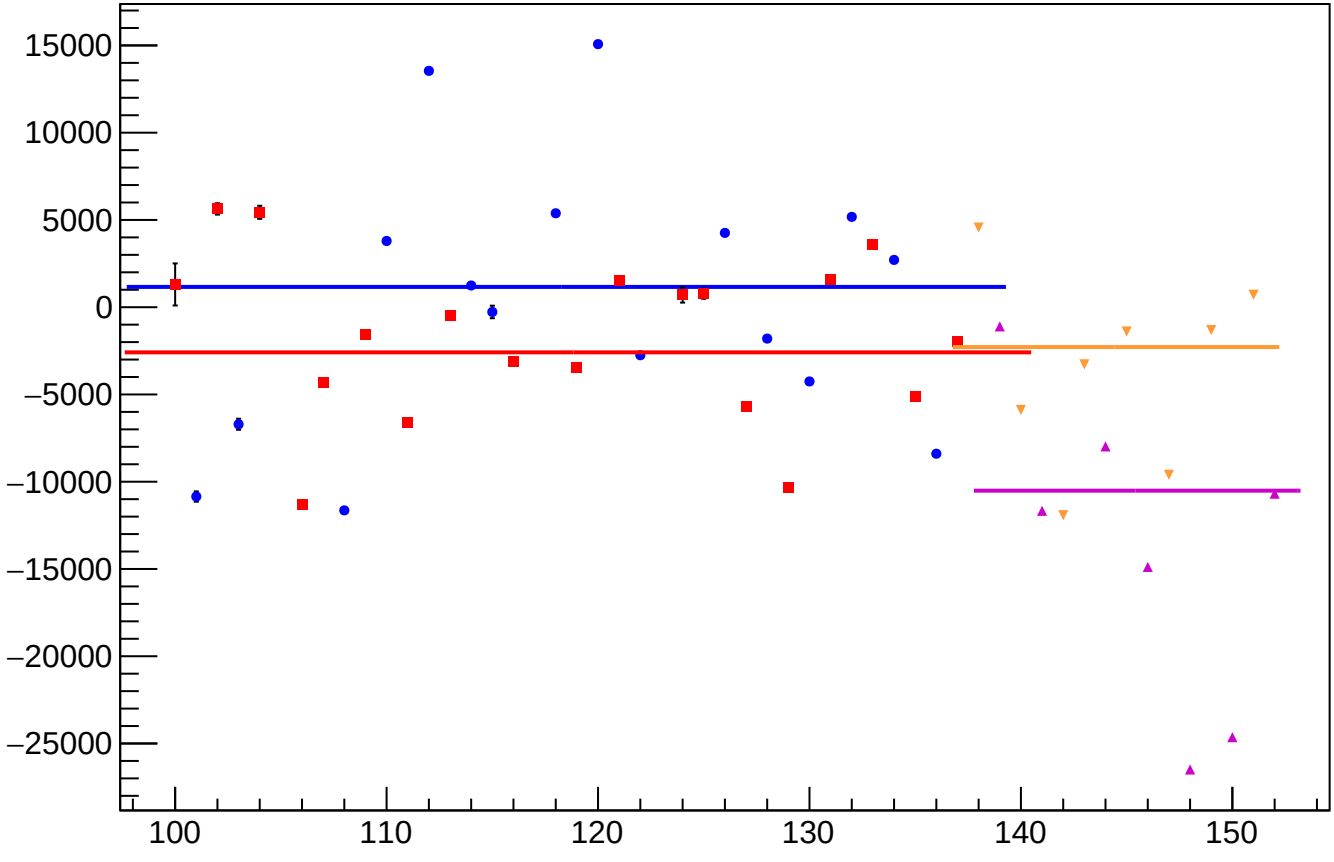
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 152.037+/-0.031 χ^2/NDF:1439504.3/22

Out: 148.867+/-0.030 χ^2/NDF:1444707.1/26

All: 150.397+/-0.021 χ^2/NDF: 2889680.6/49

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: -10512.619+/-64.459 χ^2/NDF:12549.3/6

Left: -6204.545+/-44.496 χ^2/NDF: 27619.2/14

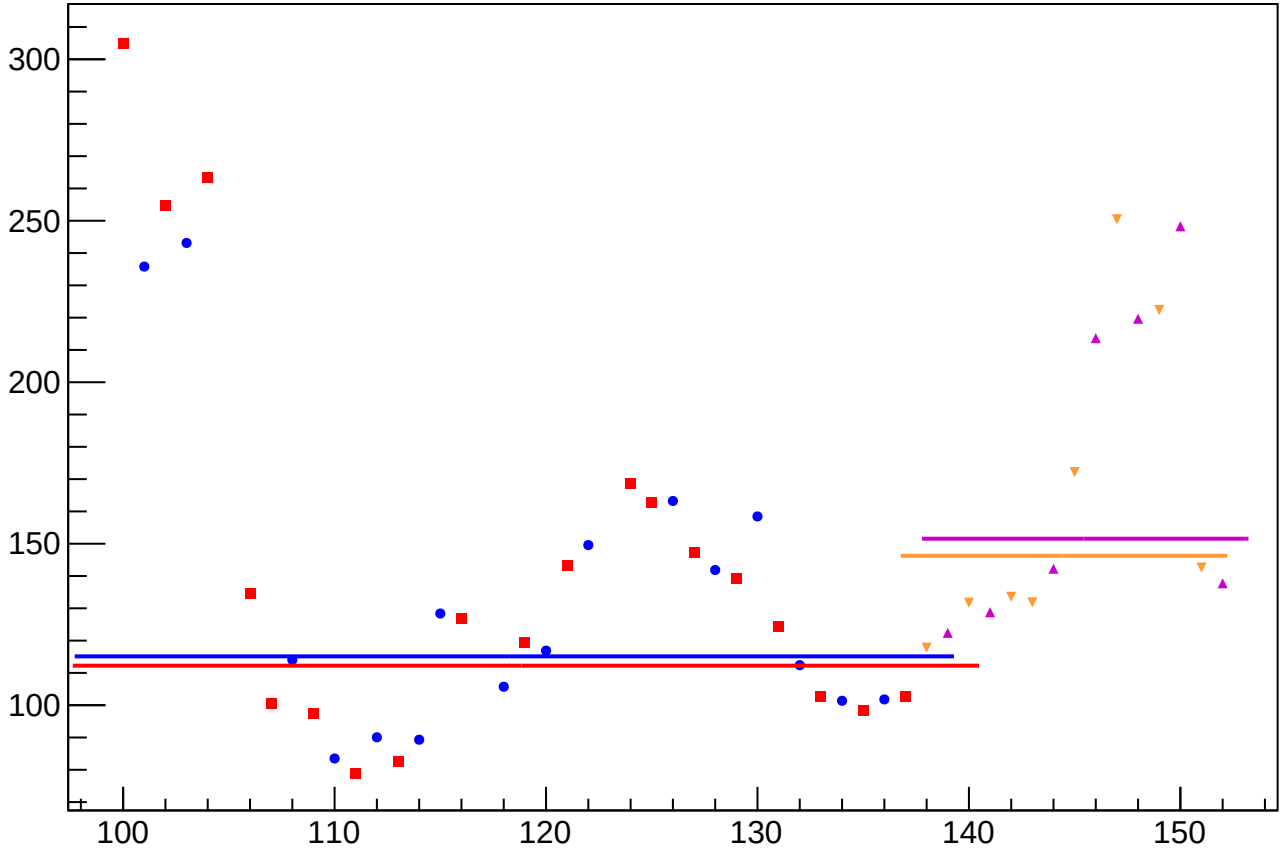
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -2768.730+/-37.406 χ^2/NDF:65064.0/22

Out: -2483.116+/-35.922 χ^2/NDF:14652.9/26

All: -2620.147+/-25.909 χ^2/NDF: 79747.2/49

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: 151.552+/-0.046 χ^2/NDF:742139.9/6

Left: 148.783+/-0.031 χ^2/NDF: 1399449.5/14

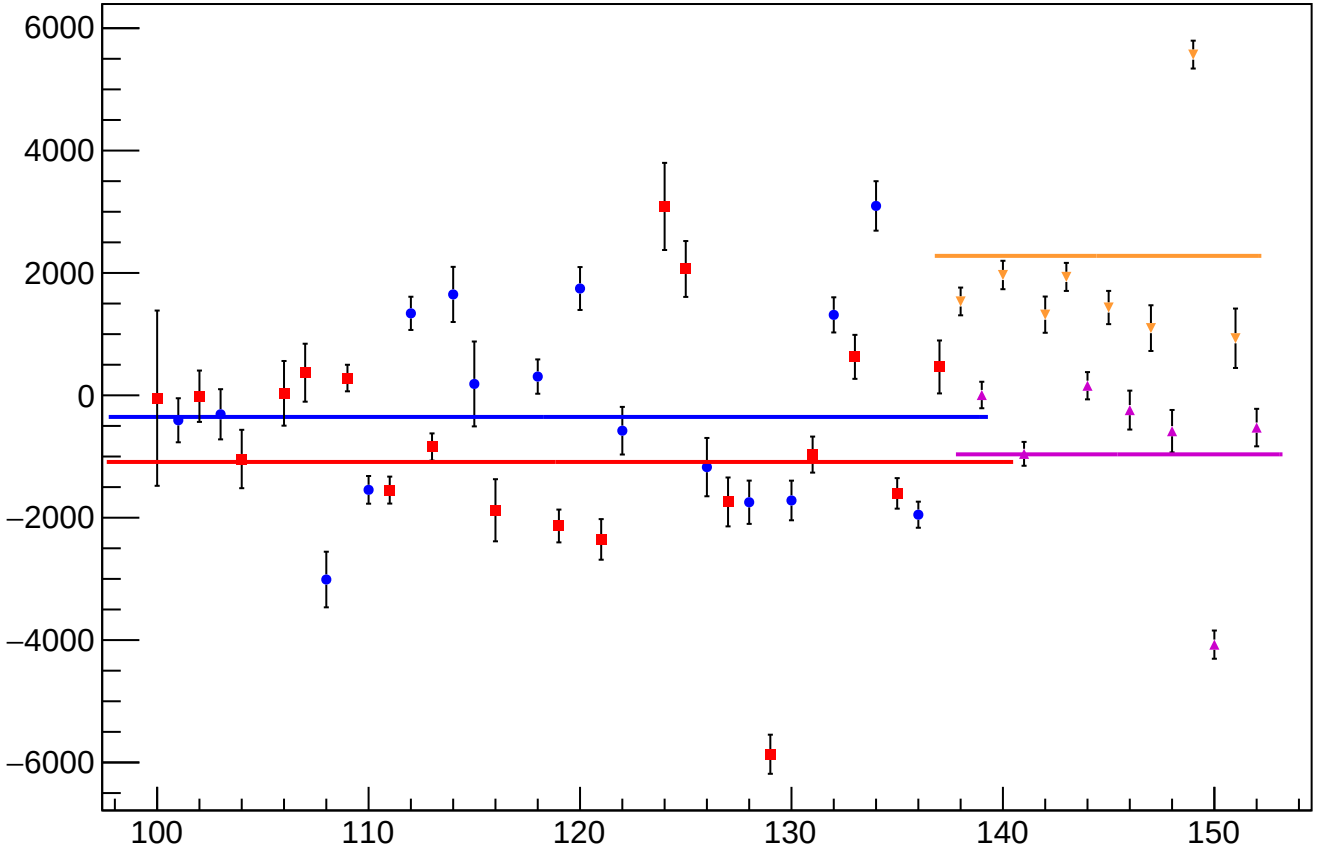
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 127.392+/-0.026 χ^2/NDF:2278744.0/22

Out: 123.848+/-0.025 χ^2/NDF:2381650.8/26

All: 125.548+/-0.018 χ^2/NDF: 4669732.2/49

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: -964.450+/-93.069 χ^2/NDF:235.6/6

Left: 637.713+/-66.208 χ^2/NDF: 1096.9/14

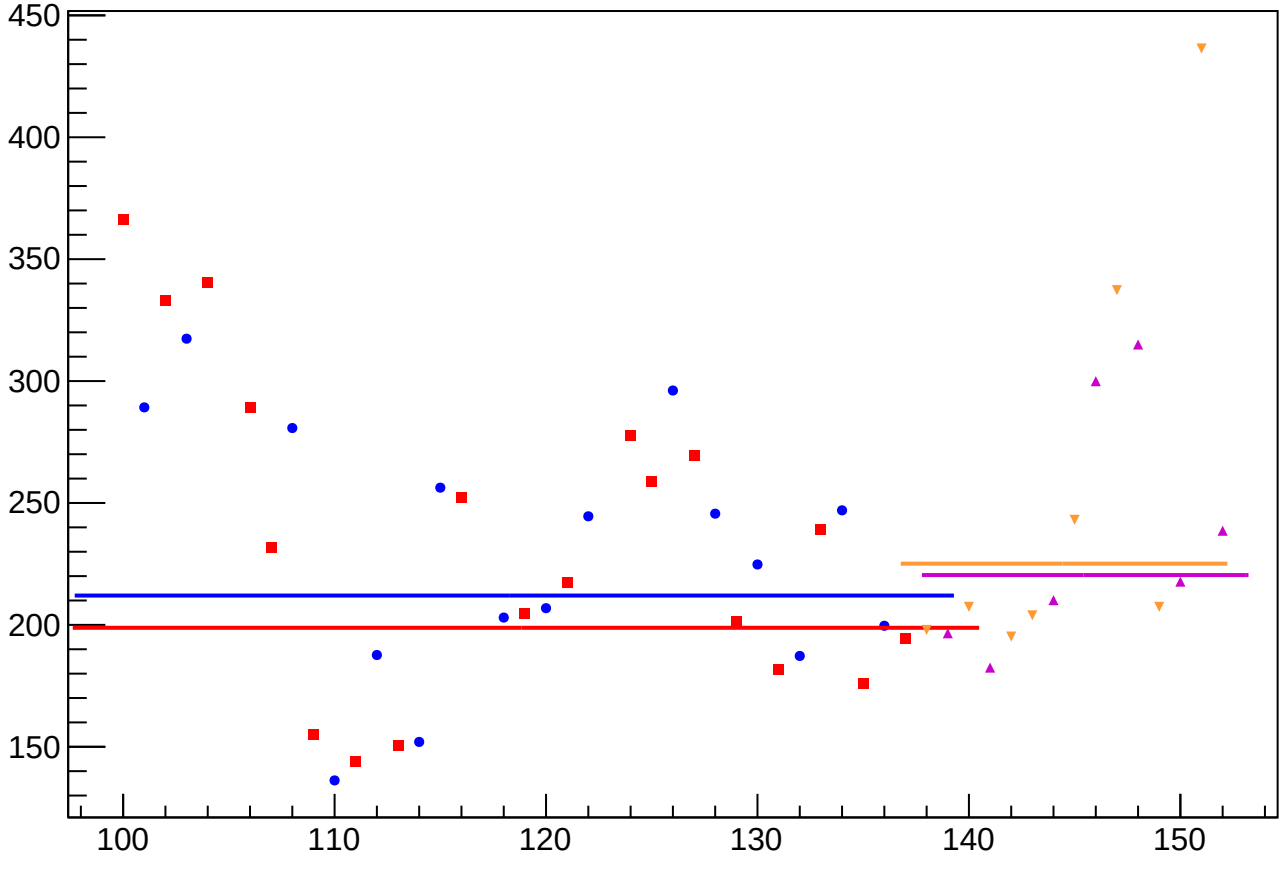
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -620.788+/-61.583 χ^2/NDF:621.7/22

Out: 248.451+/-59.359 χ^2/NDF:1479.1/26

All: -170.189+/-42.738 χ^2/NDF: 2204.1/49

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: 220.442+/-0.066 χ^2/NDF:385543.5/6

Left: 222.750+/-0.047 χ^2/NDF: 1045968.2/14

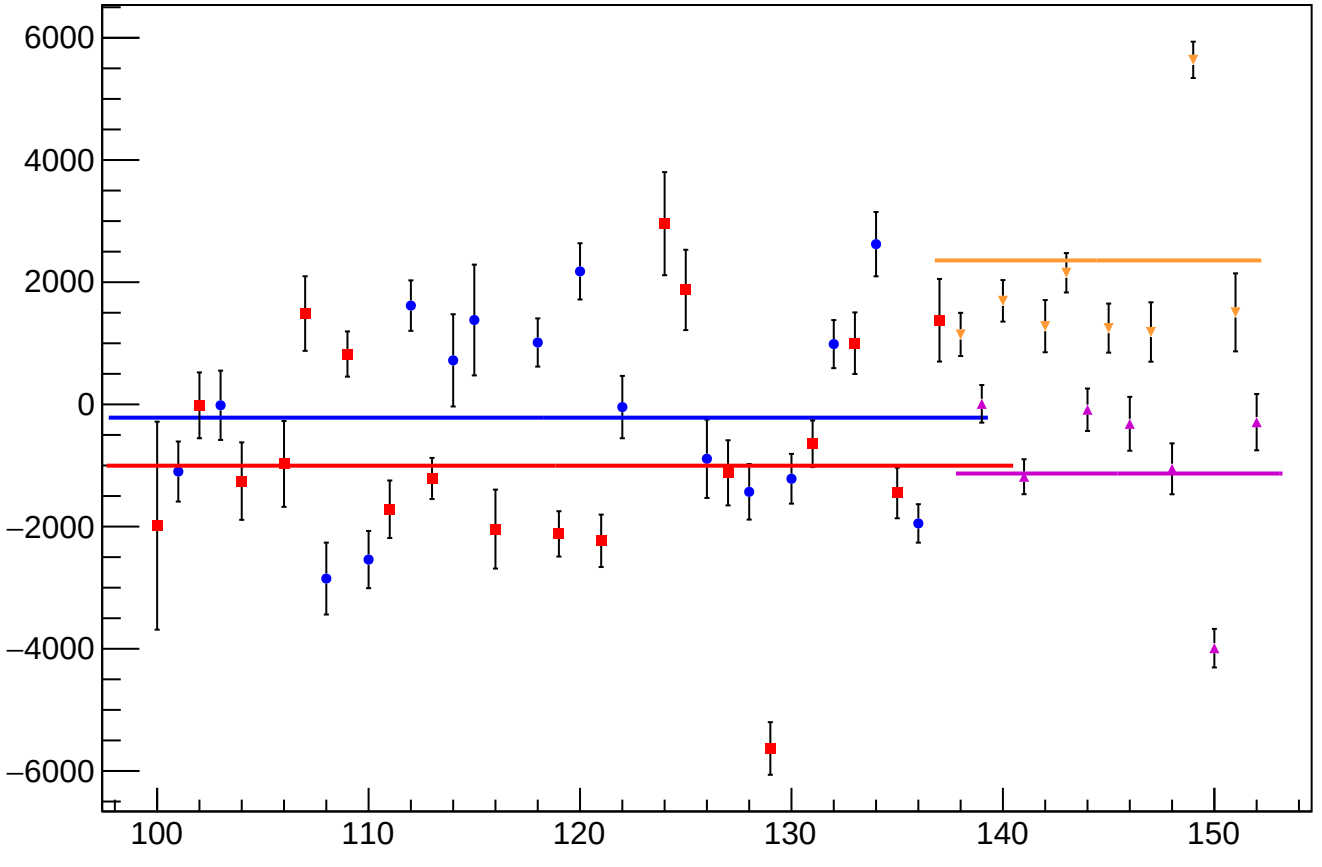
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 215.712+/-0.044 χ^2/NDF:1085091.5/22

Out: 209.253+/-0.042 χ^2/NDF:1726890.7/26

All: 212.364+/-0.030 χ^2/NDF: 2823383.8/49

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: -1131.318+/-132.733 χ^2/NDF:111.5/6

Left: 599.738+/-94.195 χ^2/NDF: 613.5/14

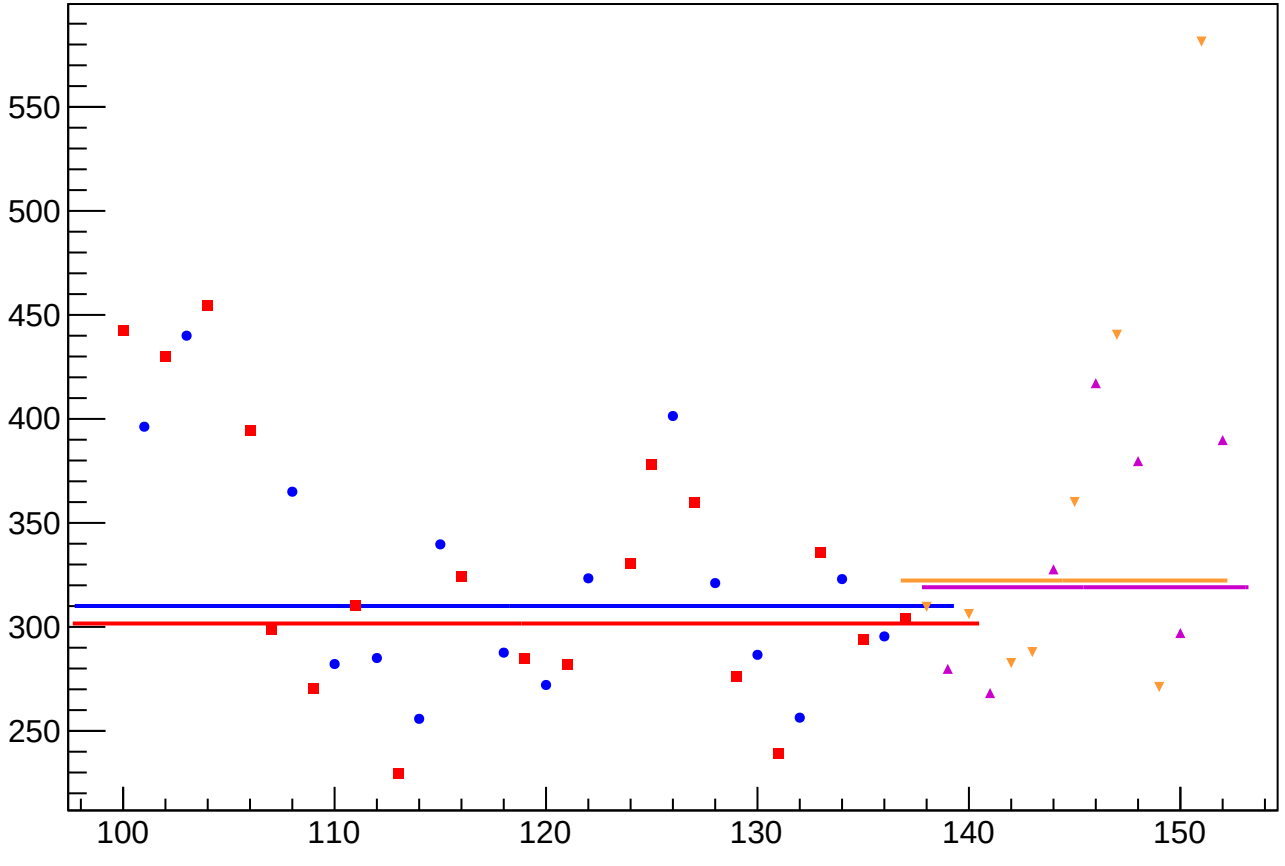
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -620.158+/-88.142 χ^2/NDF:330.2/22

Out: 398.245+/-86.352 χ^2/NDF:781.6/26

All: -100.511+/-61.683 χ^2/NDF: 1180.0/49

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: 319.079+/-0.094 χ^2/NDF:295334.1/6

Left: 320.687+/-0.067 χ^2/NDF: 867214.1/14

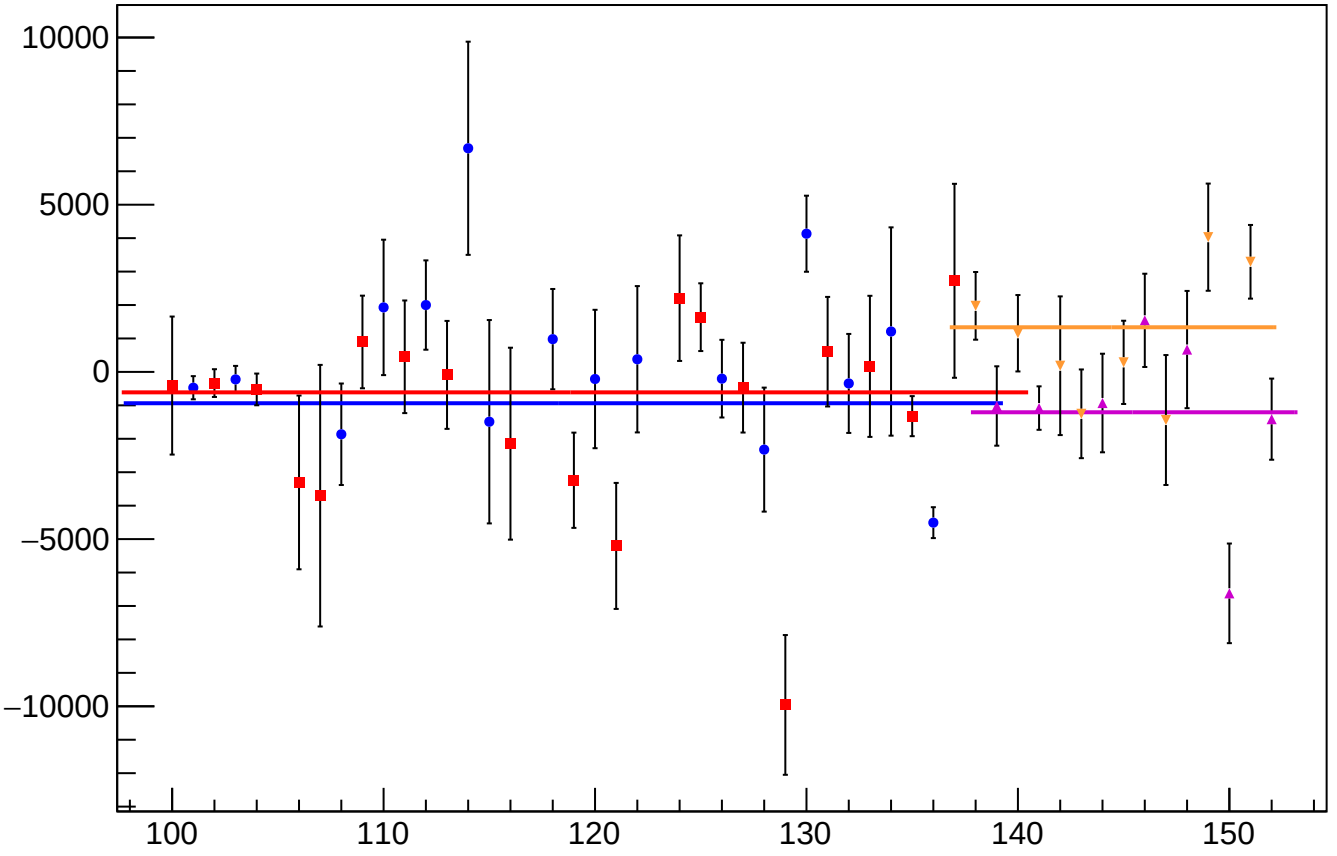
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 314.038+/-0.062 χ^2/NDF:623776.9/22

Out: 310.265+/-0.061 χ^2/NDF:1119071.7/26

All: 312.113+/-0.044 χ^2/NDF: 1744718.6/49

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: -1207.093+/-426.171 χ^2/NDF:18.4/6

Left: -41.102+/-313.543 χ^2/NDF: 48.0/14

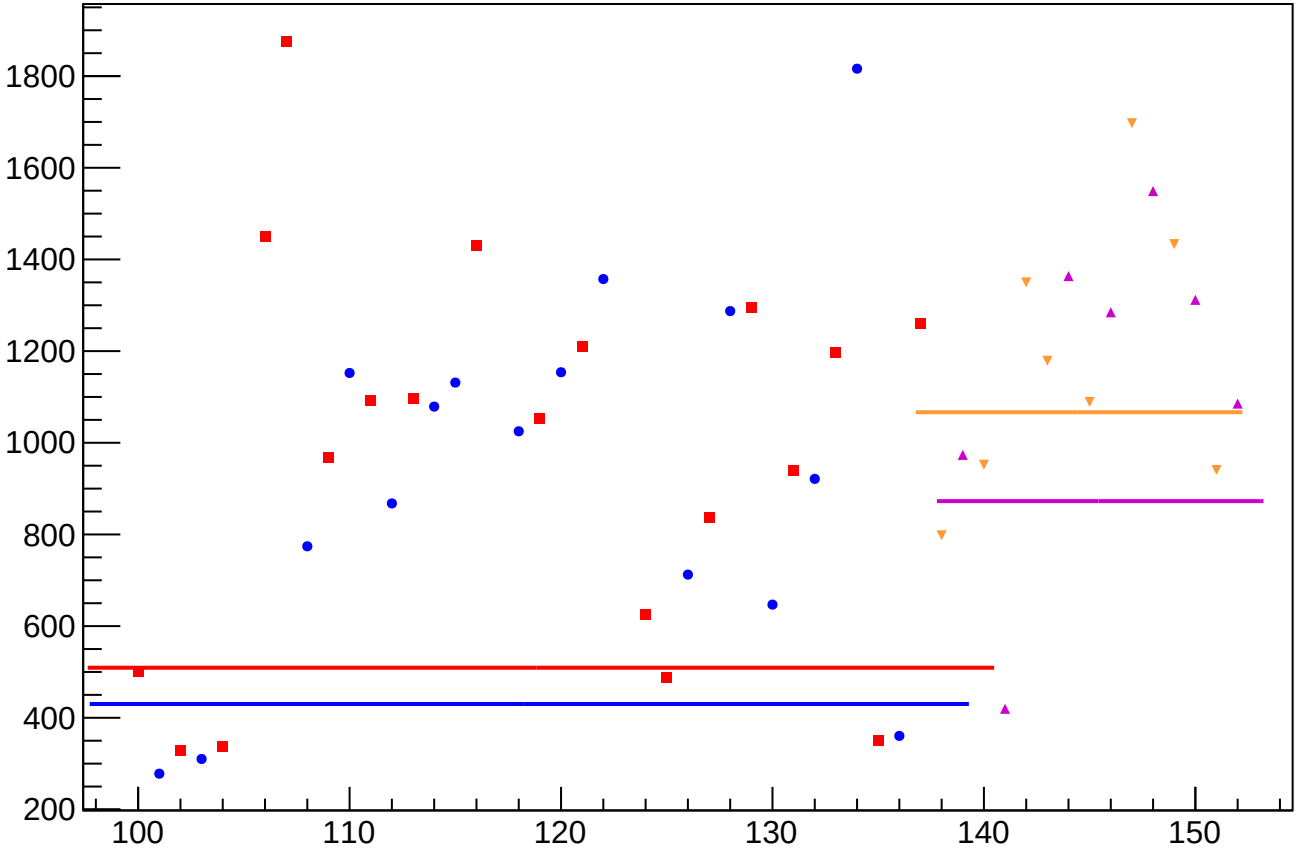
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -987.598+/-184.531 χ^2/NDF:119.9/22

Out: -217.873+/-208.229 χ^2/NDF:71.5/26

All: -649.010+/-138.105 χ^2/NDF: 199.0/49

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: 872.701+/-0.301 χ^2/NDF:1915411.5/6

Left: 961.670+/-0.222 χ^2/NDF: 2660123.1/14

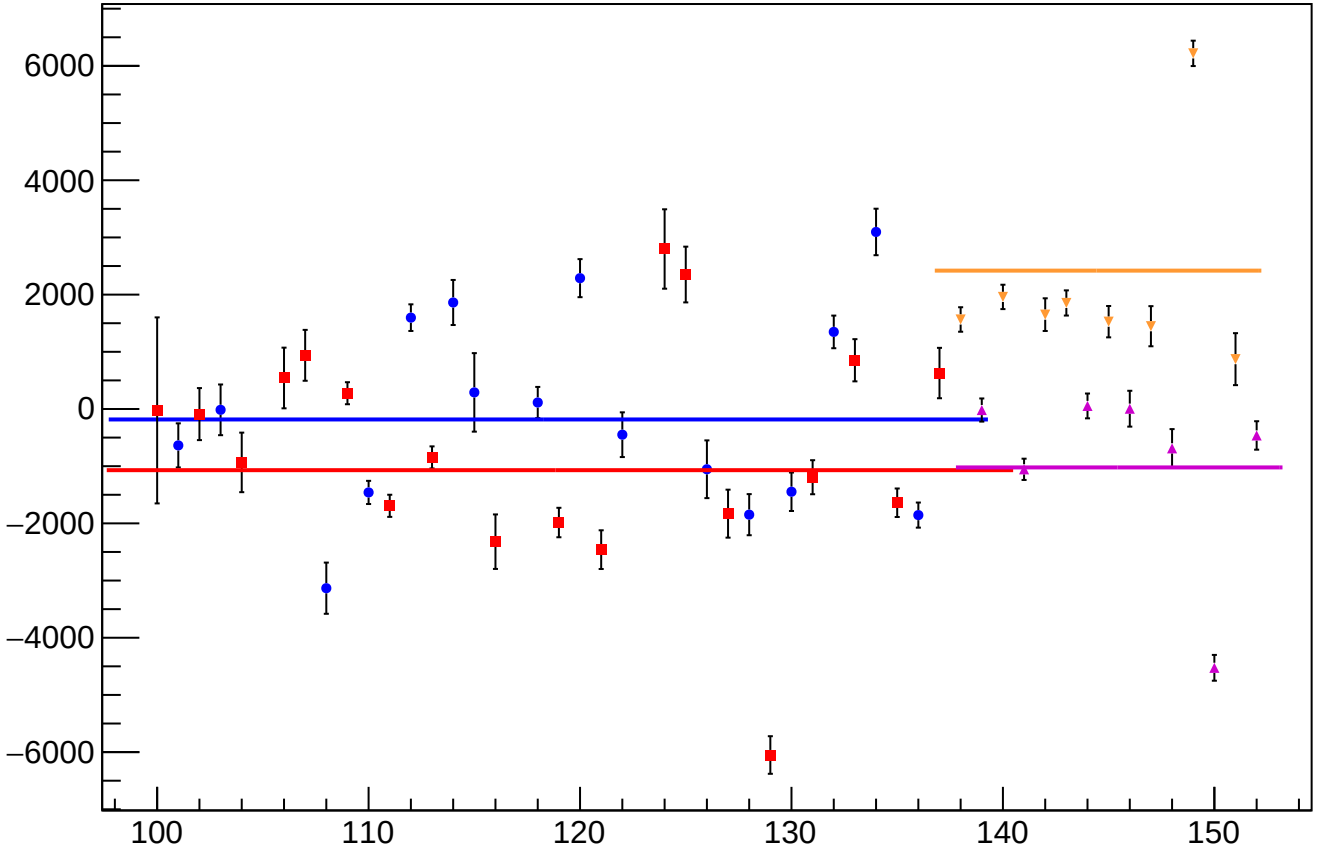
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 513.090+/-0.130 χ^2/NDF:7189935.5/22

Out: 622.010+/-0.147 χ^2/NDF:6541099.0/26

All: 561.002+/-0.098 χ^2/NDF: 14037546.0/49

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 2419.606+/-90.058 χ^2/NDF:357.3/7

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: -1021.742+/-87.904 χ^2/NDF:307.2/6

Left: 657.295+/-62.905 χ^2/NDF: 1412.3/14

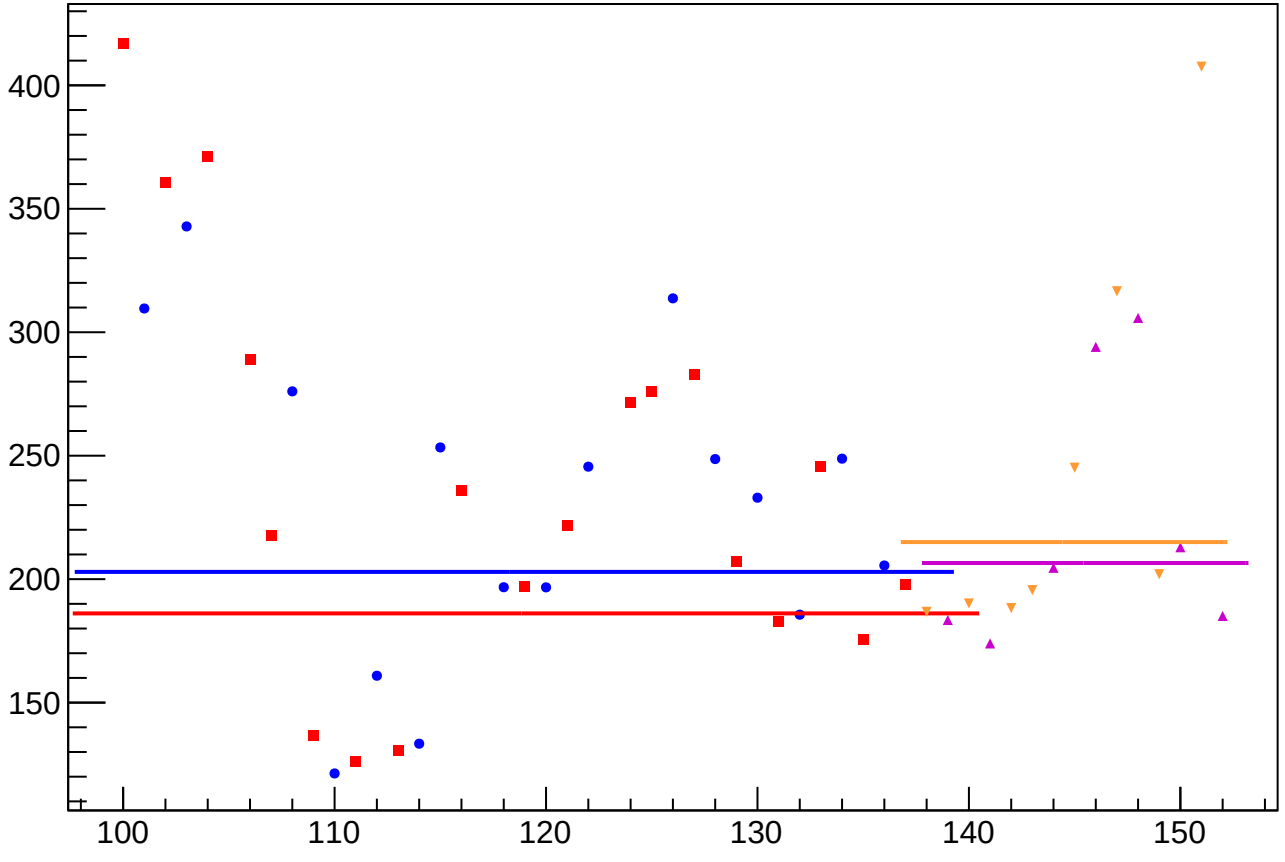
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: -562.273+/-59.111 χ^2/NDF:774.8/22

Out: 315.248+/-56.738 χ^2/NDF:1754.9/26

All: -105.545+/-40.933 χ^2/NDF: 2644.4/49

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: 206.541+/-0.062 χ^2/NDF:434165.3/6

Left: 210.679+/-0.044 χ^2/NDF: 1096186.2/14

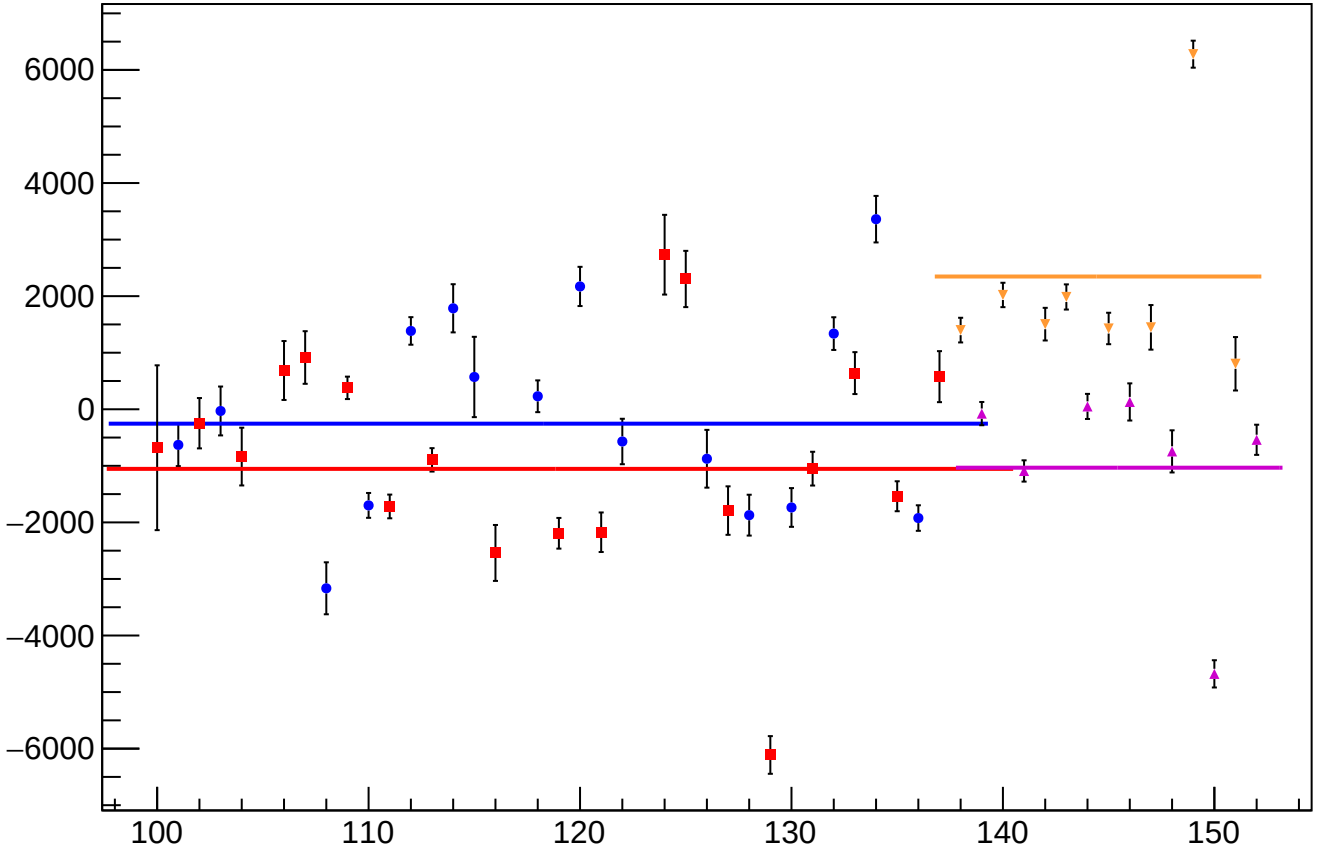
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 204.569+/-0.042 χ^2/NDF:1507861.8/22

Out: 197.597+/-0.040 χ^2/NDF:2258752.5/26

All: 200.940+/-0.029 χ^2/NDF: 3781095.7/49

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: -1033.021+/-91.303 χ^2/NDF:291.0/6

Left: 629.526+/-65.086 χ^2/NDF: 1295.2/14

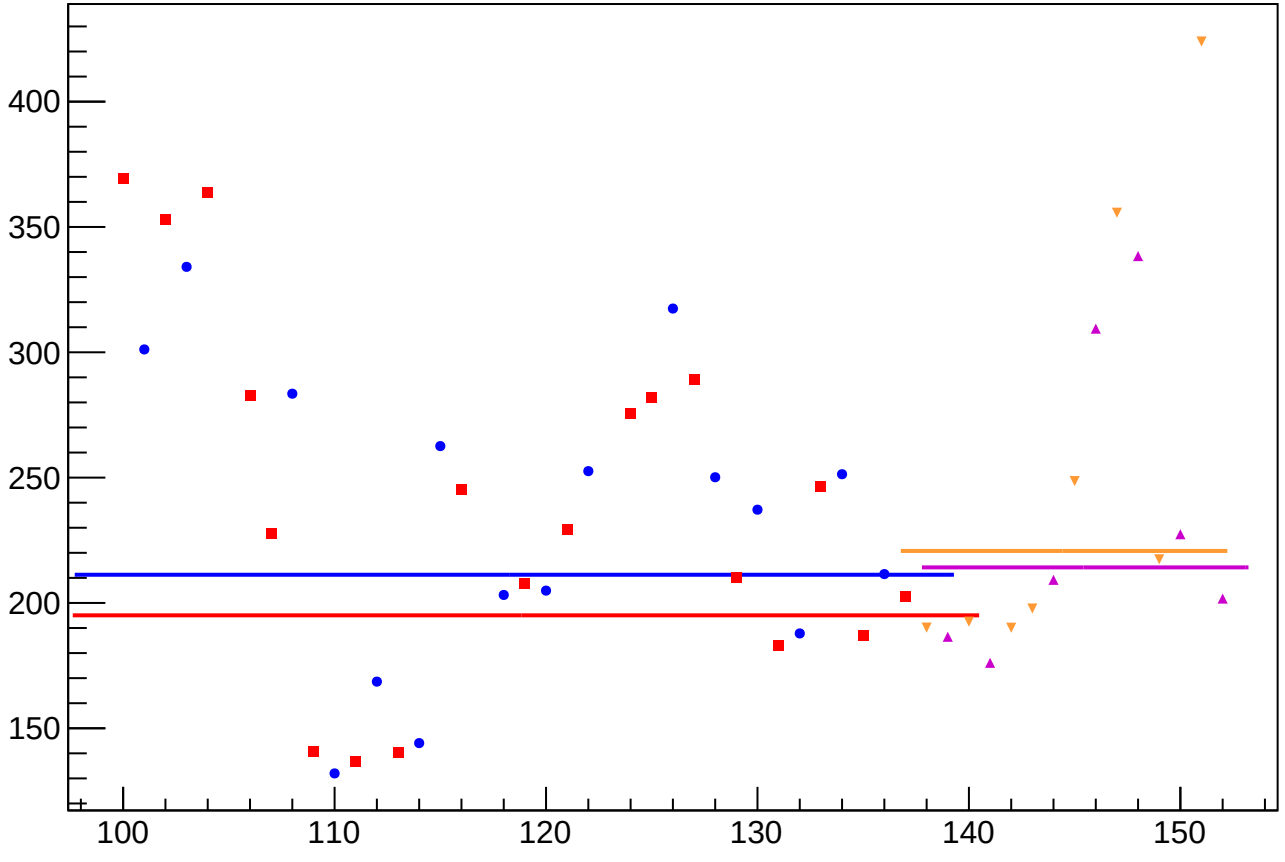
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -604.364+/-61.208 χ^2/NDF:740.3/22

Out: 310.829+/-58.785 χ^2/NDF:1611.8/26

All: -128.296+/-42.398 χ^2/NDF: 2468.4/49

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: 214.187+/-0.065 χ^2/NDF:519762.5/6

Left: 217.412+/-0.046 χ^2/NDF: 1267146.6/14

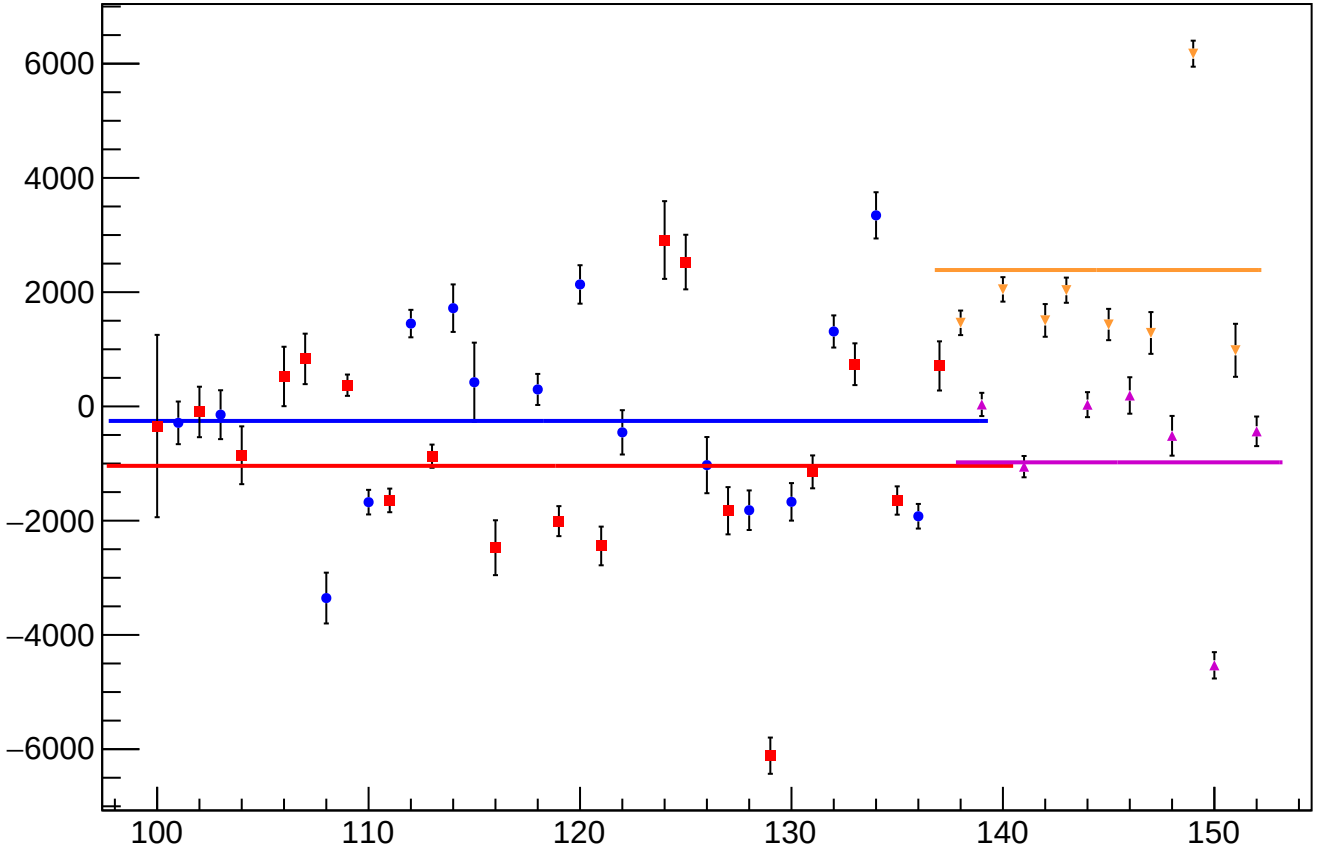
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 212.572+/-0.043 χ^2/NDF:1405263.0/22

Out: 205.366+/-0.042 χ^2/NDF:2118908.0/26

All: 208.824+/-0.030 χ^2/NDF: 3538590.2/49

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: -978.878+/-89.225 χ^2/NDF:303.4/6

Left: 672.618+/-63.685 χ^2/NDF: 1341.5/14

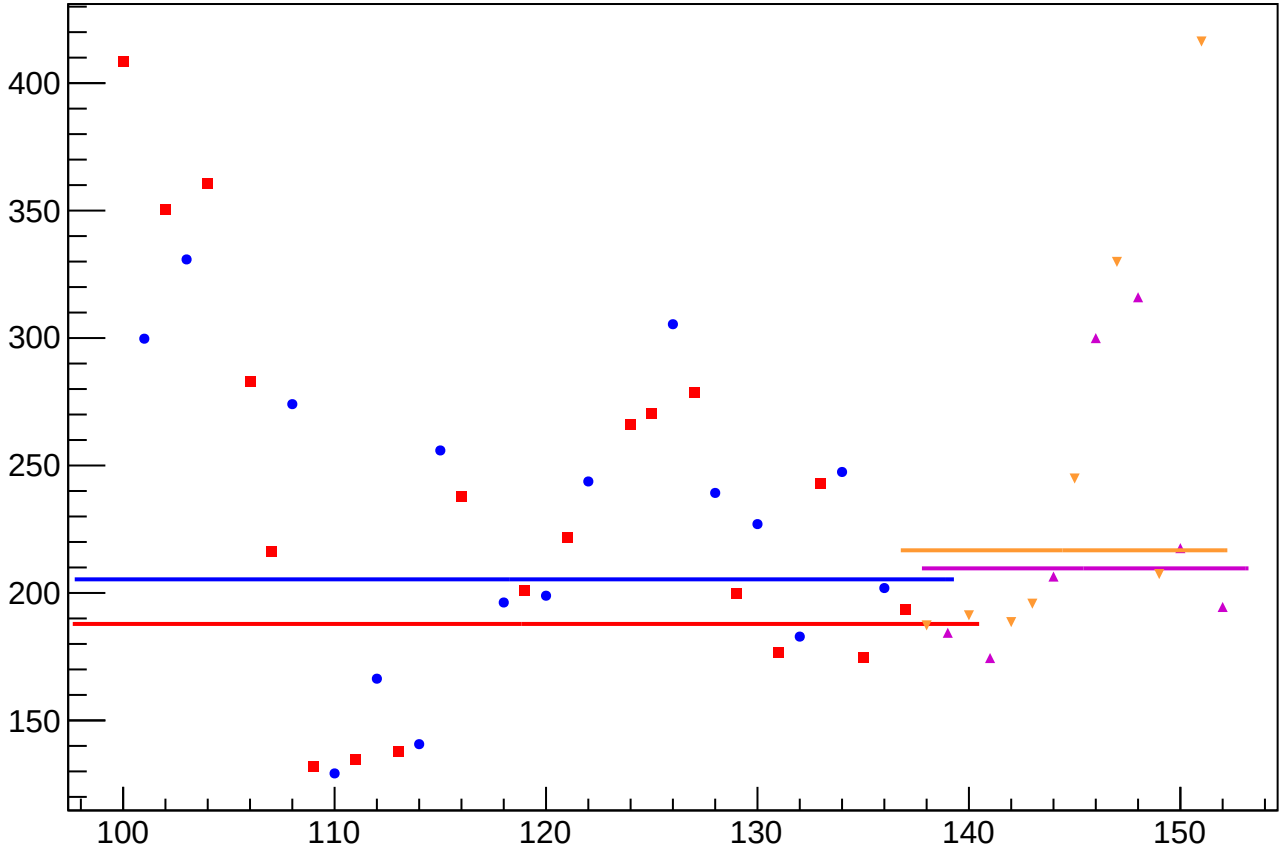
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -578.058+/-59.656 χ^2/NDF:772.0/22

Out: 311.325+/-57.096 χ^2/NDF:1734.0/26

All: -113.876+/-41.248 χ^2/NDF: 2622.0/49

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: 209.648+/-0.063 χ^2/NDF:458864.4/6

Left: 213.123+/-0.045 χ^2/NDF: 1154473.2/14

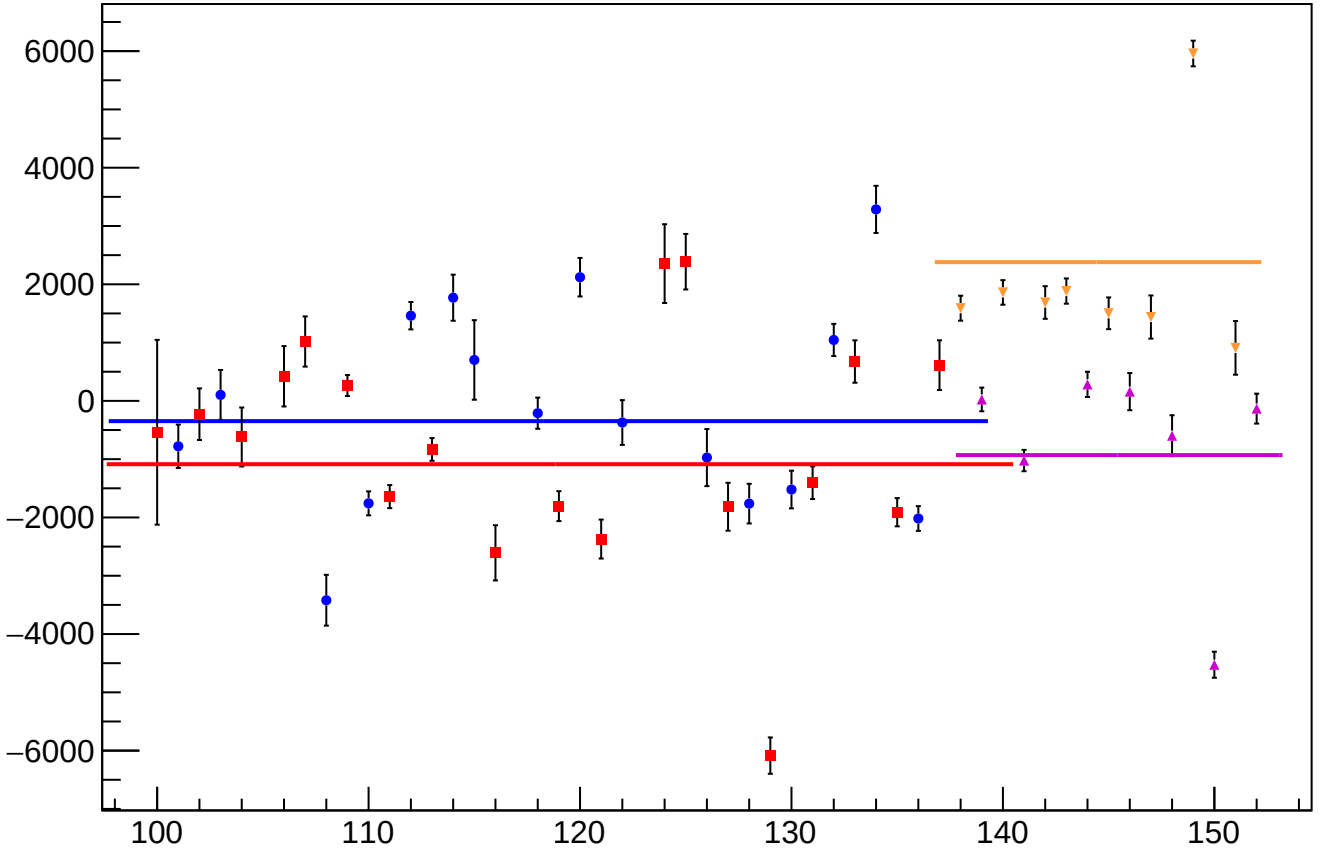
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 207.266+/-0.042 χ^2/NDF:1338839.2/22

Out: 199.237+/-0.040 χ^2/NDF:2148709.6/26

All: 203.076+/-0.029 χ^2/NDF: 3506458.2/49

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: -930.348+/-88.221 χ^2/NDF:334.2/6

Left: 699.329+/-62.861 χ^2/NDF: 1350.4/14

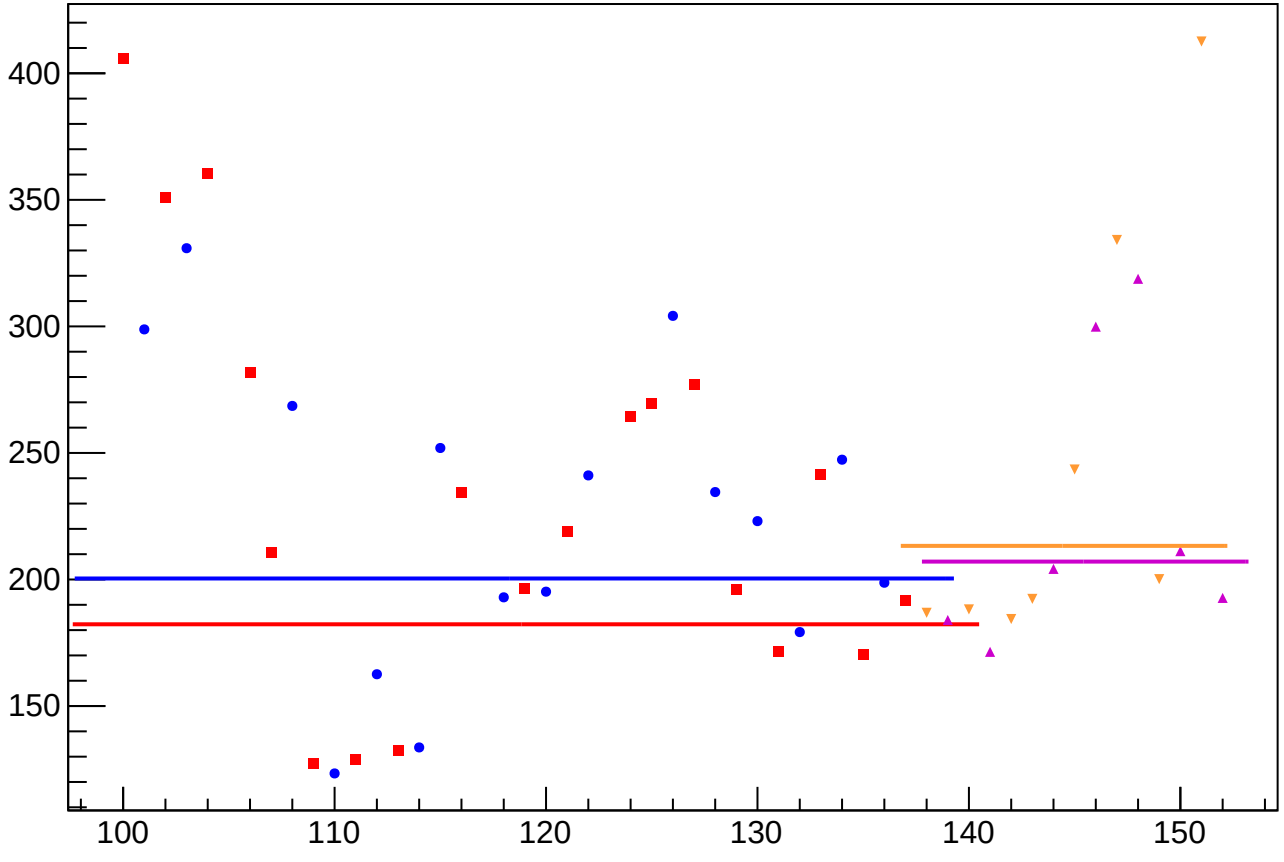
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -605.393+/-58.673 χ^2/NDF:804.3/22

Out: 263.112+/-55.904 χ^2/NDF:1764.5/26

All: -150.162+/-40.473 χ^2/NDF: 2683.7/49

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: 207.072+/-0.062 χ^2/NDF:480969.7/6

Left: 210.131+/-0.044 χ^2/NDF: 1204524.0/14

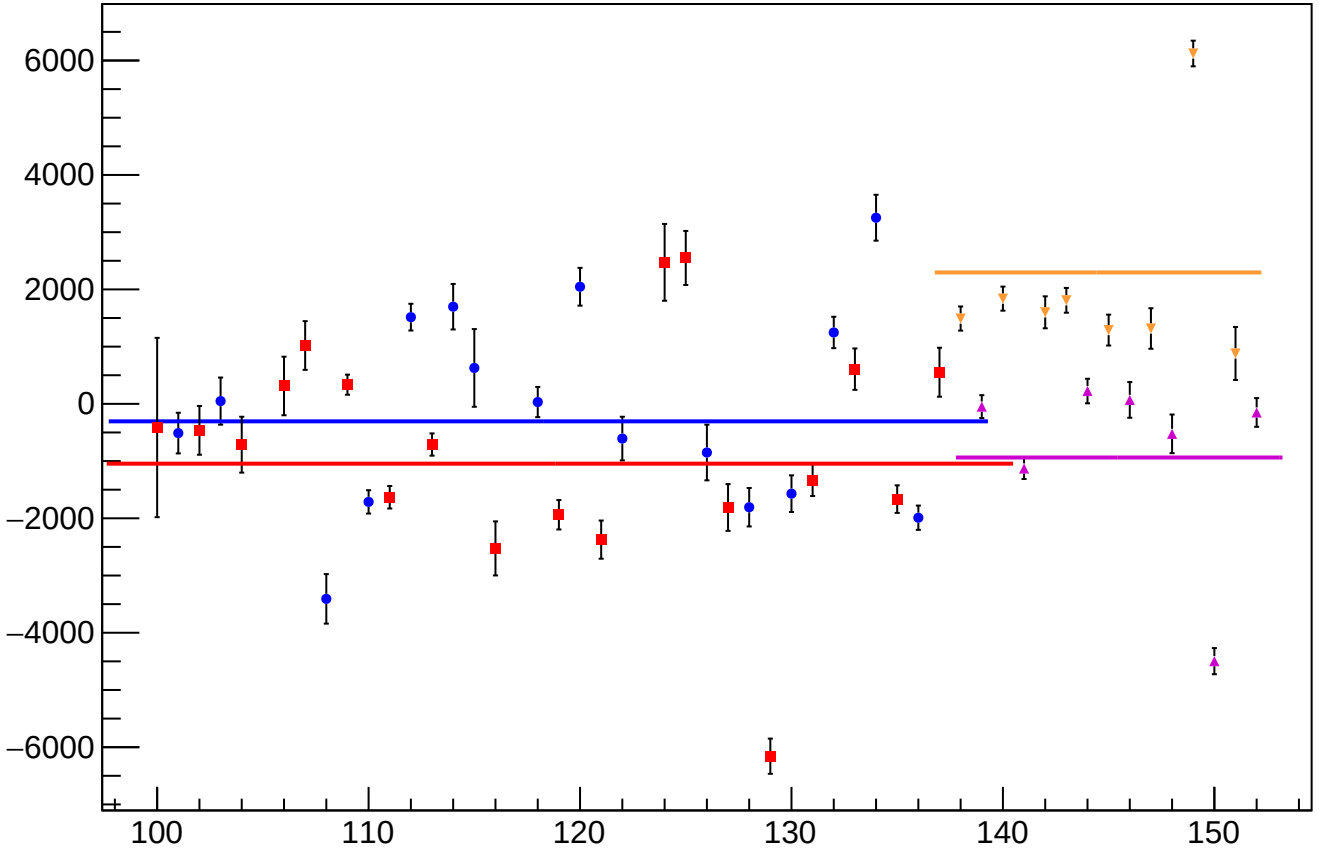
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 203.350+/-0.041 χ^2/NDF:1446351.7/22

Out: 194.365+/-0.040 χ^2/NDF:2311932.6/26

All: 198.641+/-0.029 χ^2/NDF: 3782869.9/49

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: -937.737+/-87.430 χ^2/NDF:315.3/6

Left: 645.654+/-62.465 χ^2/NDF: 1337.8/14

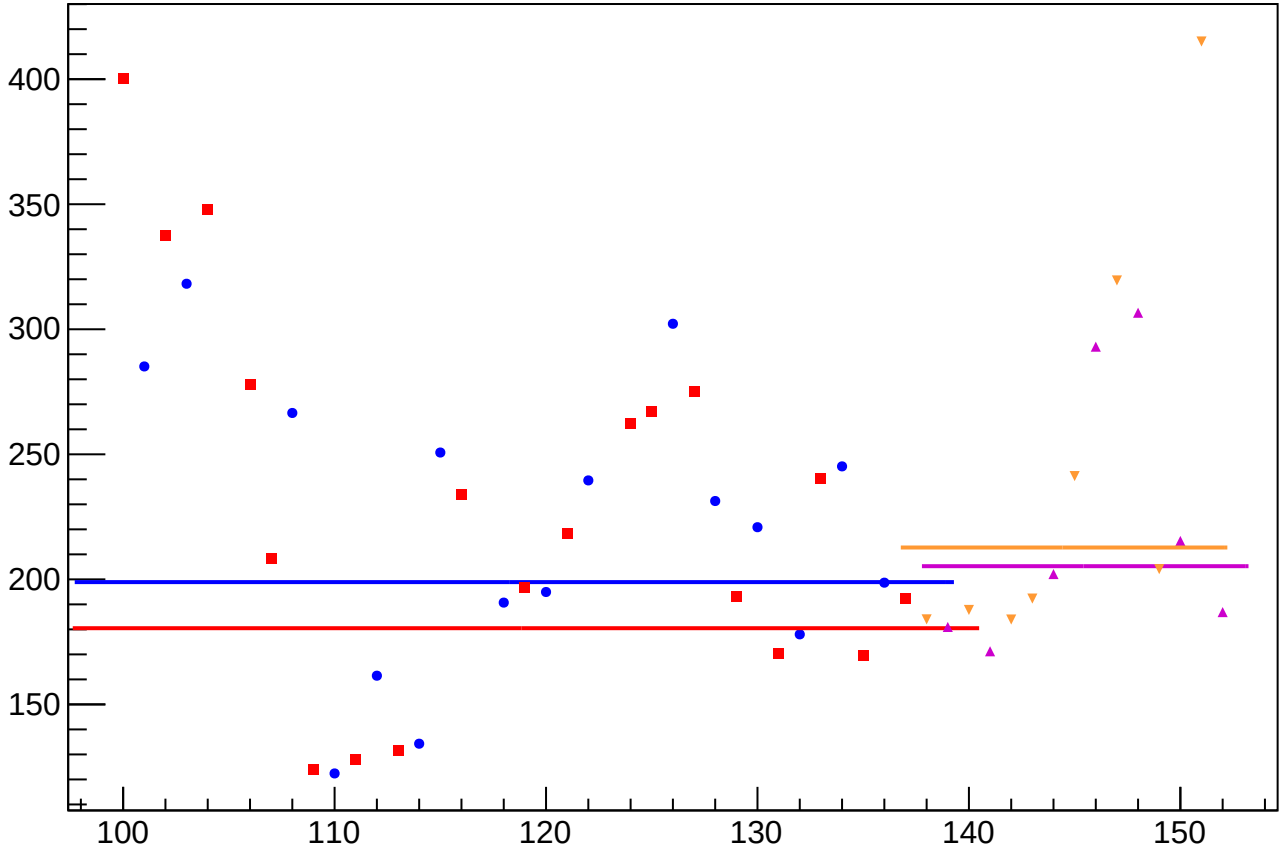
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -585.253+/-58.149 χ^2/NDF:796.3/22

Out: 245.632+/-55.485 χ^2/NDF:1764.6/26

All: -150.339+/-40.142 χ^2/NDF: 2667.8/49

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: 205.270+/-0.062 χ^2/NDF:452286.2/6

Left: 208.927+/-0.044 χ^2/NDF: 1152994.0/14

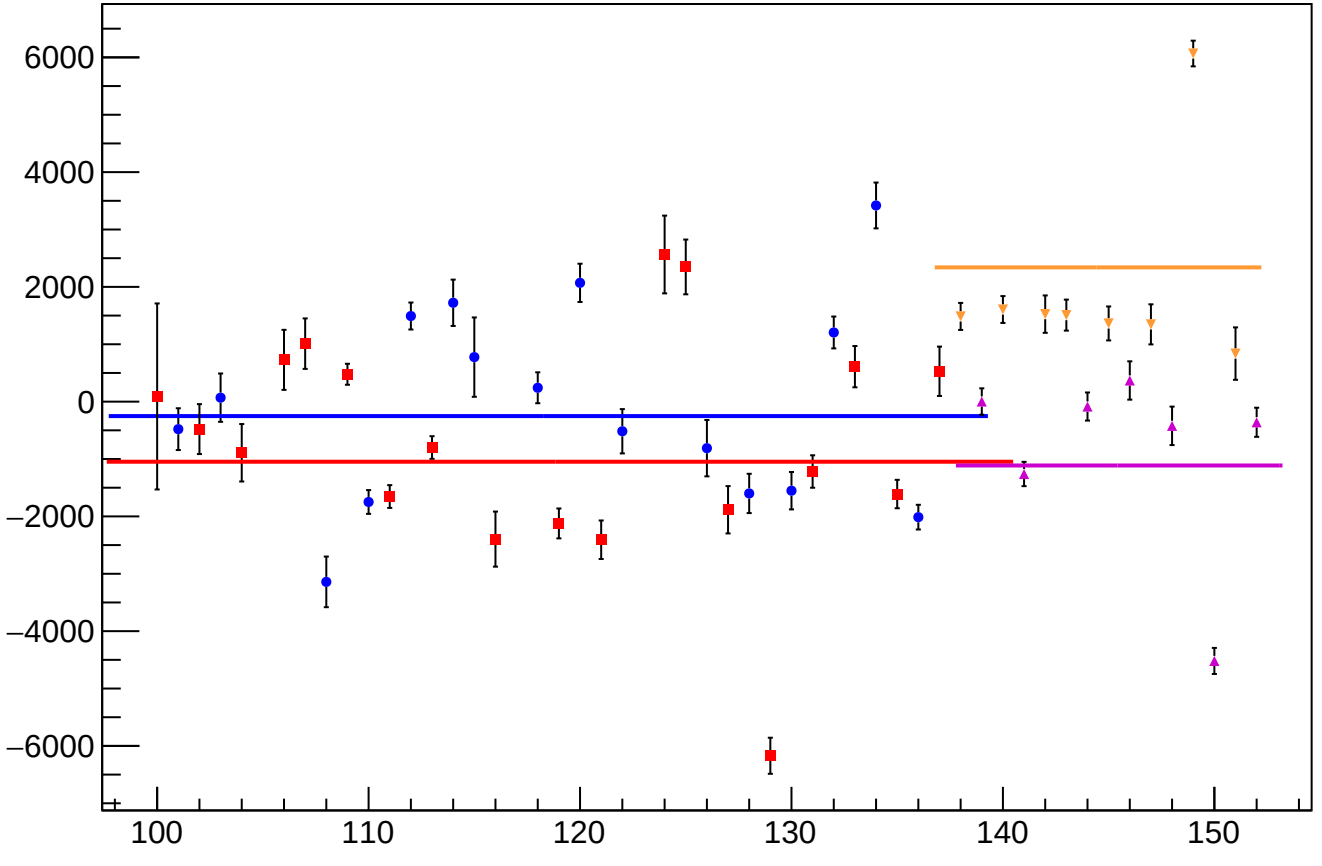
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 201.719+/-0.041 χ^2/NDF:1370966.8/22

Out: 192.936+/-0.039 χ^2/NDF:2288343.5/26

All: 197.122+/-0.028 χ^2/NDF: 3683195.5/49

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: -1112.684+/-95.024 χ^2/NDF:299.4/6

Left: 557.282+/-68.279 χ^2/NDF: 1283.7/14

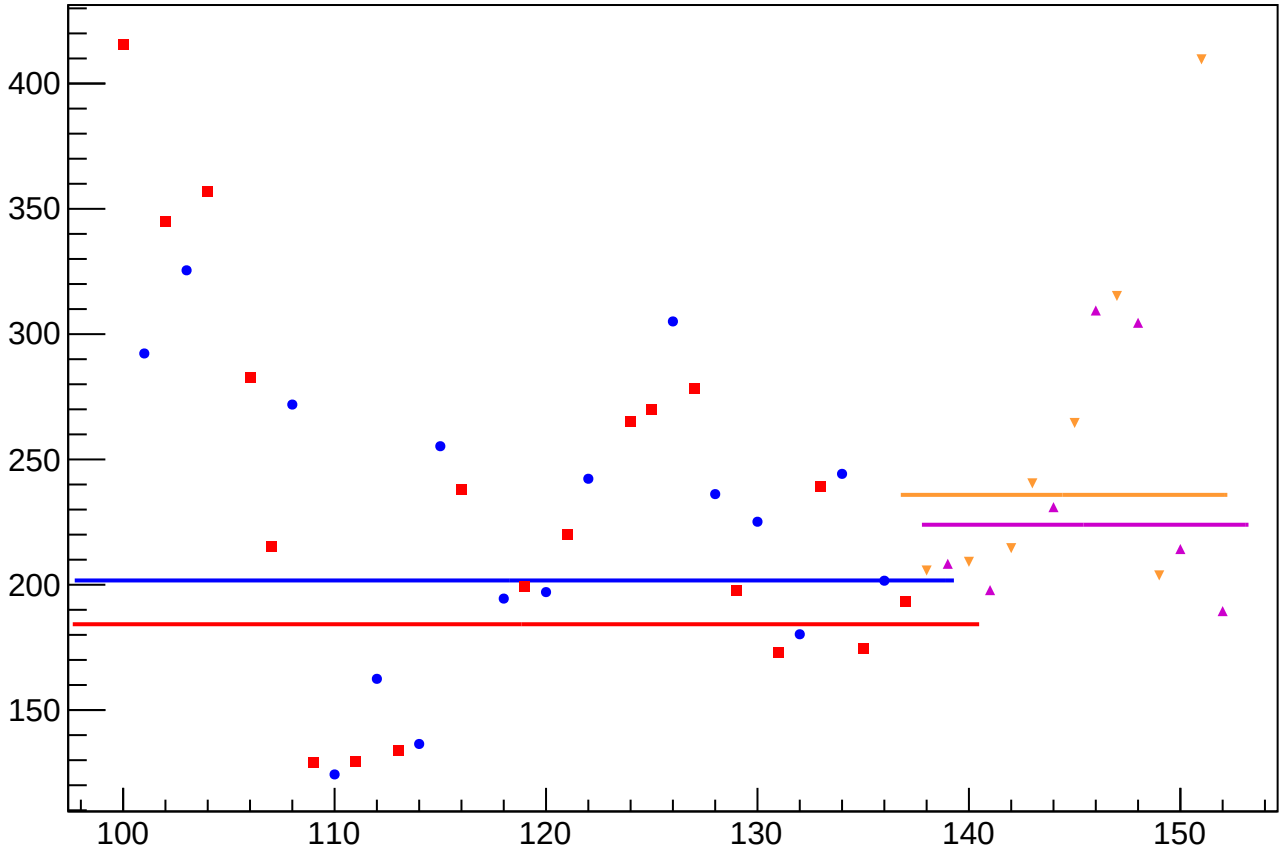
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -603.500+/-60.736 χ^2/NDF:789.2/22

Out: 141.498+/-58.159 χ^2/NDF:1665.0/26

All: -214.860+/-42.006 χ^2/NDF: 2532.7/49

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: 223.947+/-0.067 χ^2/NDF:328503.6/6

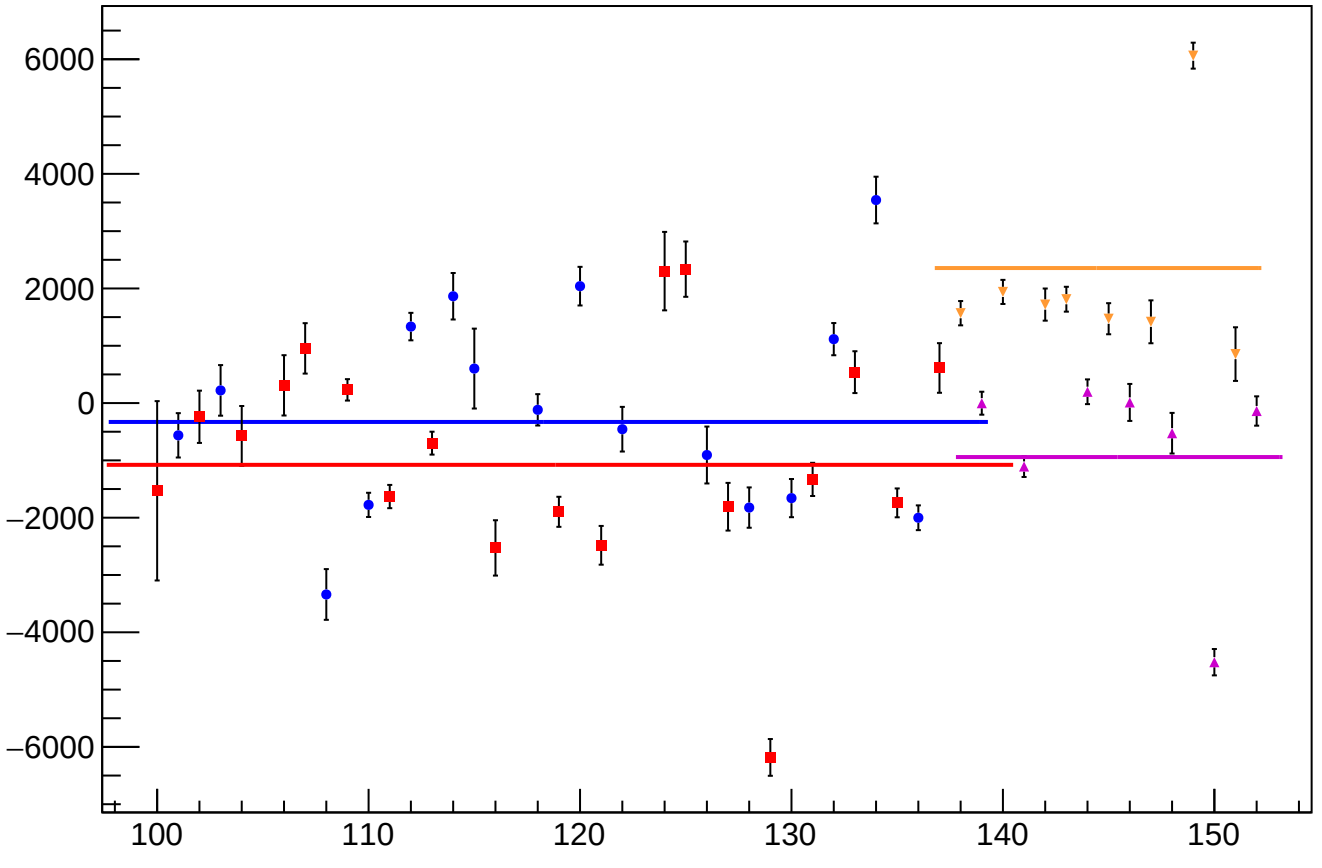
Left: 229.714+/-0.048 χ^2/NDF: 864534.1/14

Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 210.797+/-0.043 χ^2/NDF:1317475.4/22

Out: 202.362+/-0.041 χ^2/NDF:2283526.7/26

All: 206.396+/-0.030 χ^2/NDF: 3621126.2/49



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: -941.897+/-88.382 χ^2/NDF:312.8/6

Left: 678.091+/-63.044 χ^2/NDF: 1320.7/14

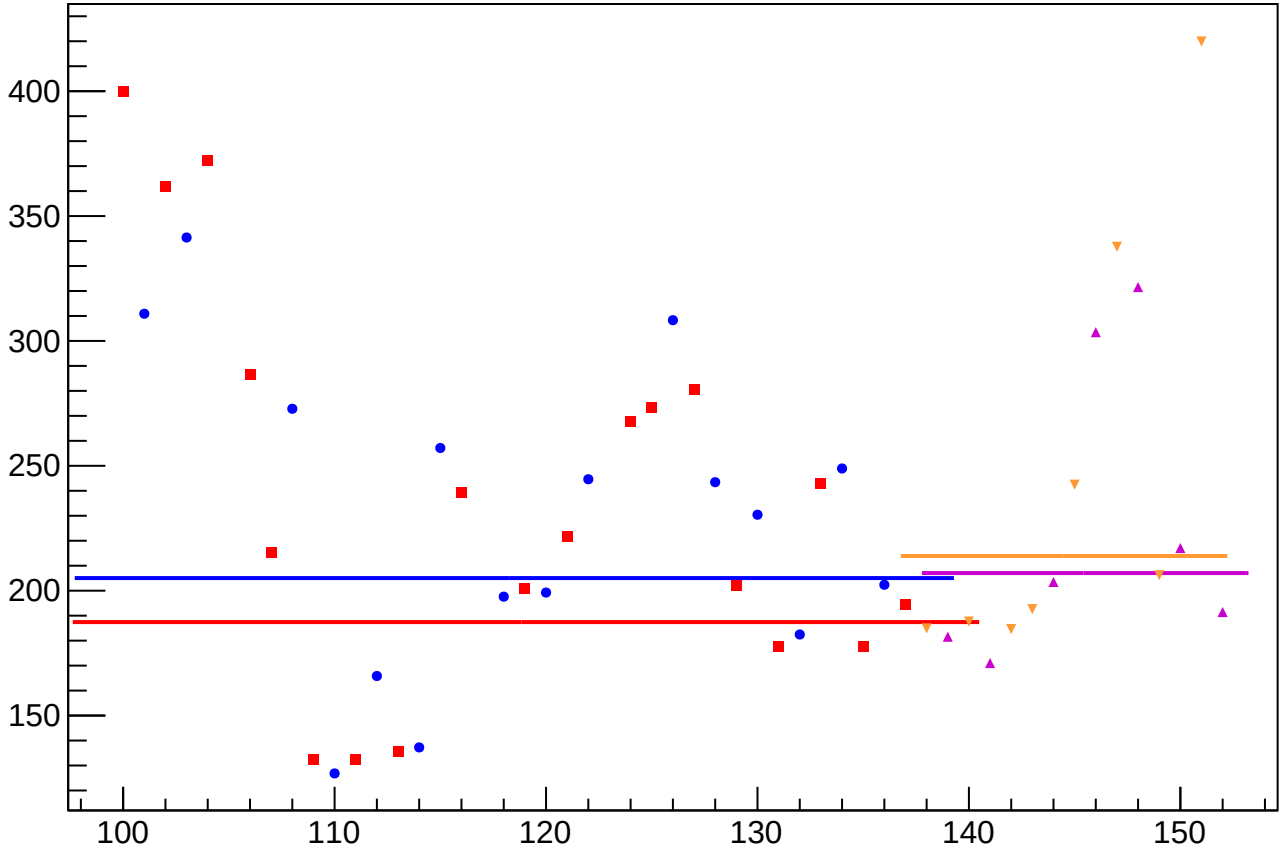
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -606.609+/-59.460 χ^2/NDF:775.5/22

Out: 294.793+/-56.872 χ^2/NDF:1700.7/26

All: -135.865+/-41.099 χ^2/NDF: 2596.3/49

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: 207.057+/-0.062 χ^2/NDF:509254.3/6

Left: 210.414+/-0.045 χ^2/NDF: 1255407.1/14

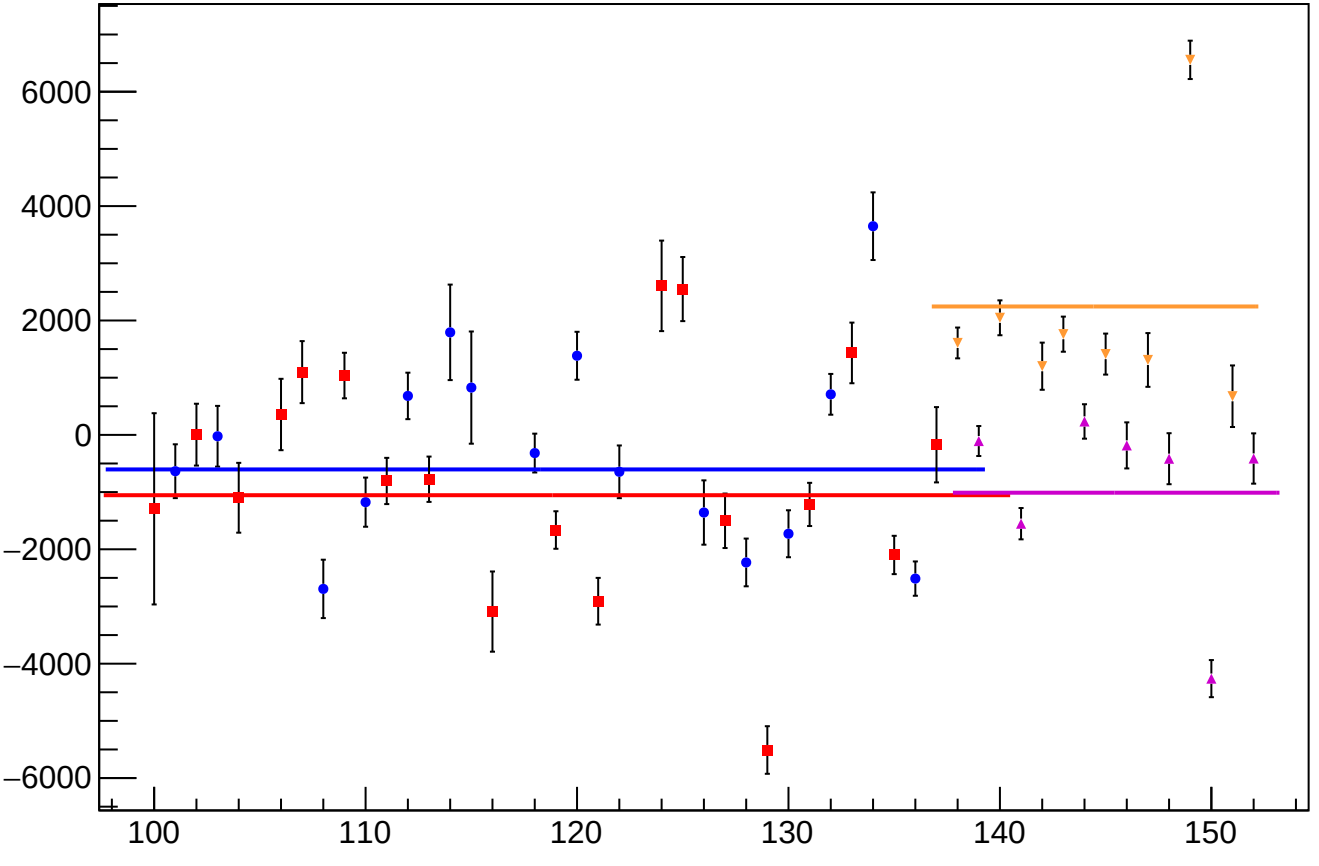
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 205.960+/-0.042 χ^2/NDF:1472869.4/22

Out: 198.007+/-0.040 χ^2/NDF:2254951.6/26

All: 201.807+/-0.029 χ^2/NDF: 3746506.0/49

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: -1010.944+/-124.252 χ^2/NDF:141.1/6

Left: 628.415+/-87.551 χ^2/NDF: 684.8/14

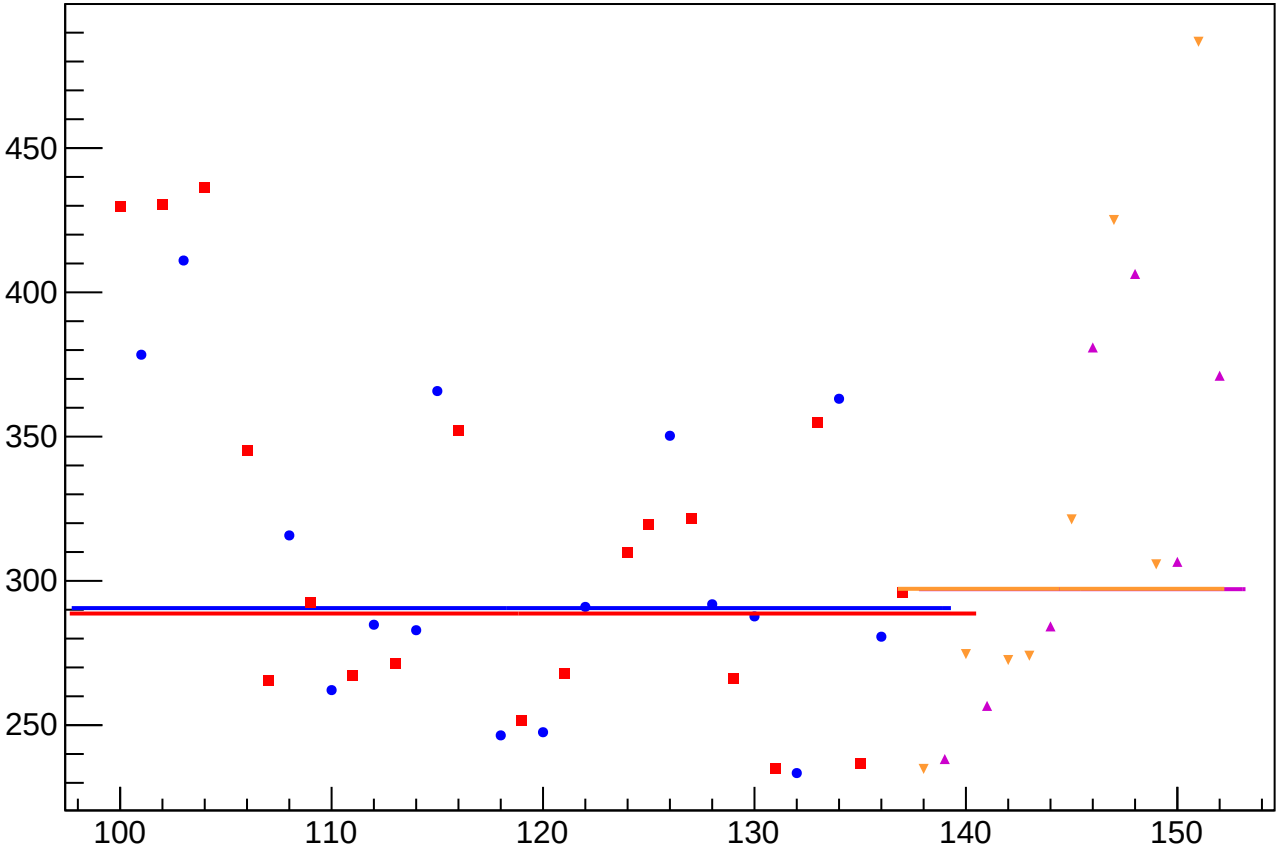
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -783.984+/-82.651 χ^2/NDF:340.6/22

Out: 380.744+/-81.378 χ^2/NDF:899.7/26

All: -192.580+/-57.988 χ^2/NDF: 1341.2/49

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: 297.125+/-0.088 χ^2/NDF:413062.4/6

Left: 297.188+/-0.062 χ^2/NDF: 956452.7/14

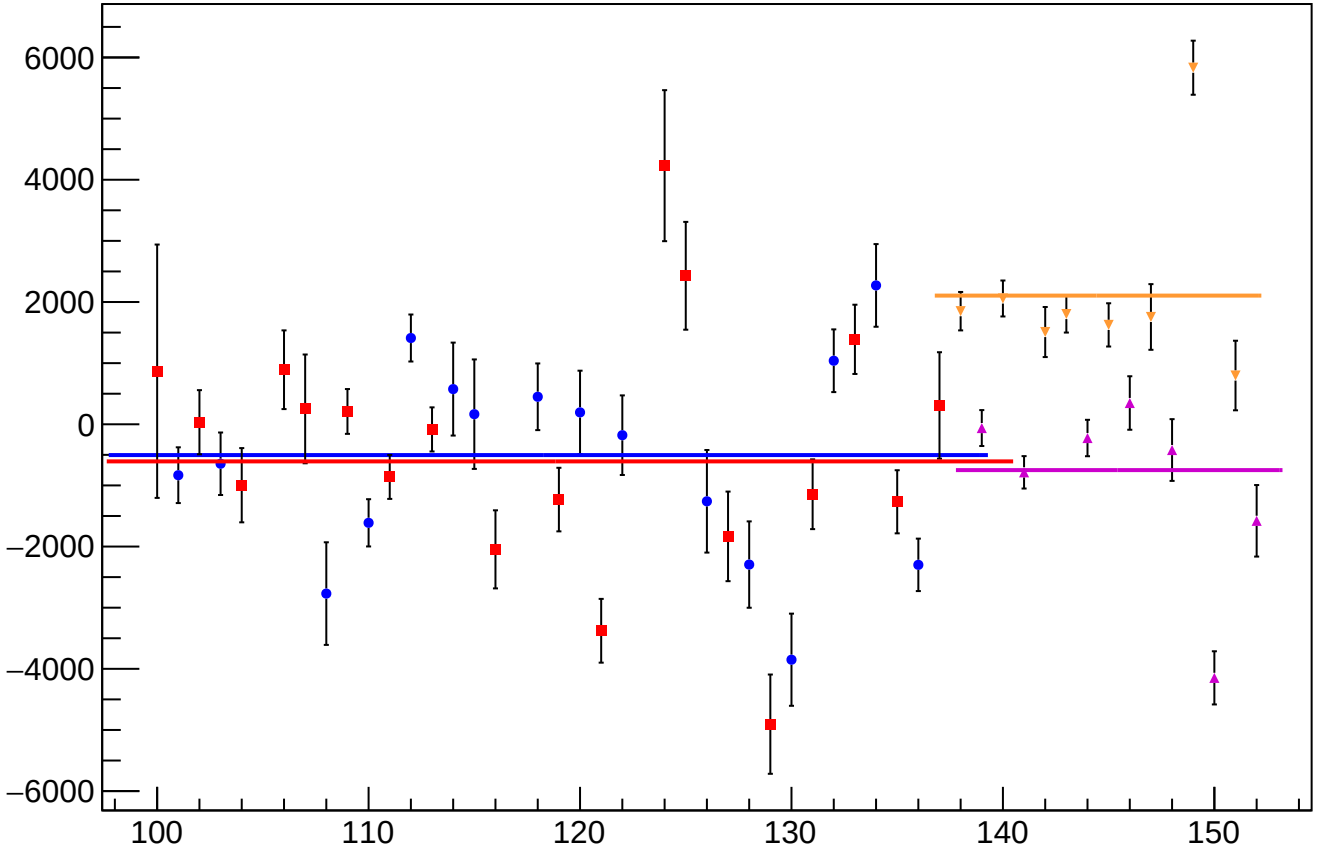
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 293.468+/-0.058 χ^2/NDF:775976.6/22

Out: 292.412+/-0.058 χ^2/NDF:1037928.7/26

All: 292.932+/-0.041 χ^2/NDF: 1814071.3/49

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: -749.470+/-135.522 χ^2/NDF:78.4/6

Left: 725.442+/-94.214 χ^2/NDF: 389.9/14

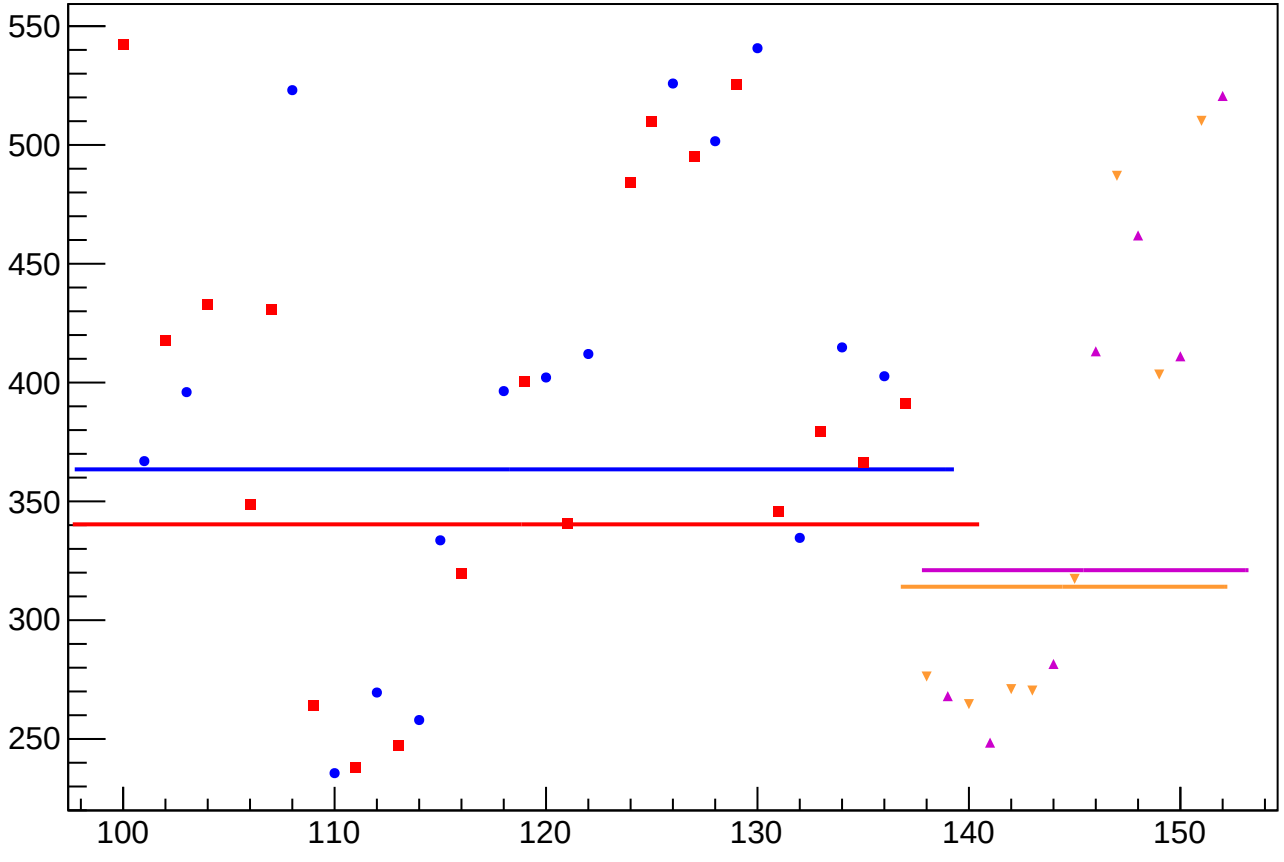
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -630.617+/-97.393 χ^2/NDF:198.2/22

Out: 733.877+/-92.158 χ^2/NDF:423.9/26

All: 89.280+/-66.940 χ^2/NDF: 725.7/49

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: 321.038+/-0.096 χ^2/NDF:812926.4/6

Left: 317.440+/-0.067 χ^2/NDF: 1491300.6/14

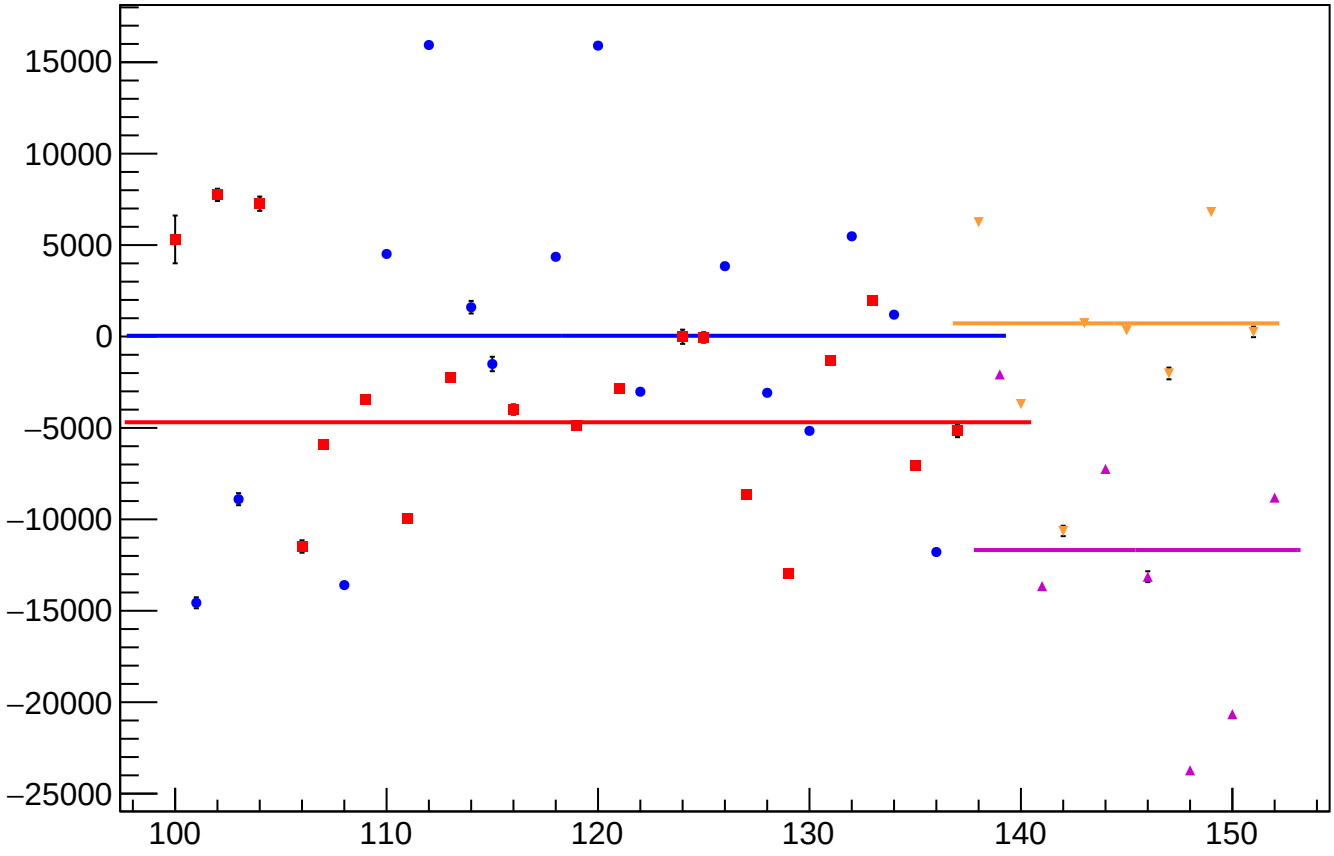
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 341.556+/-0.069 χ^2/NDF:1688629.3/22

Out: 327.350+/-0.065 χ^2/NDF:1572458.8/26

All: 334.061+/-0.047 χ^2/NDF: 3283538.1/49

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: -11678.075+/-84.539 χ^2/NDF:7040.5/6

Left: -5568.020+/-60.203 χ^2/NDF: 21287.3/14

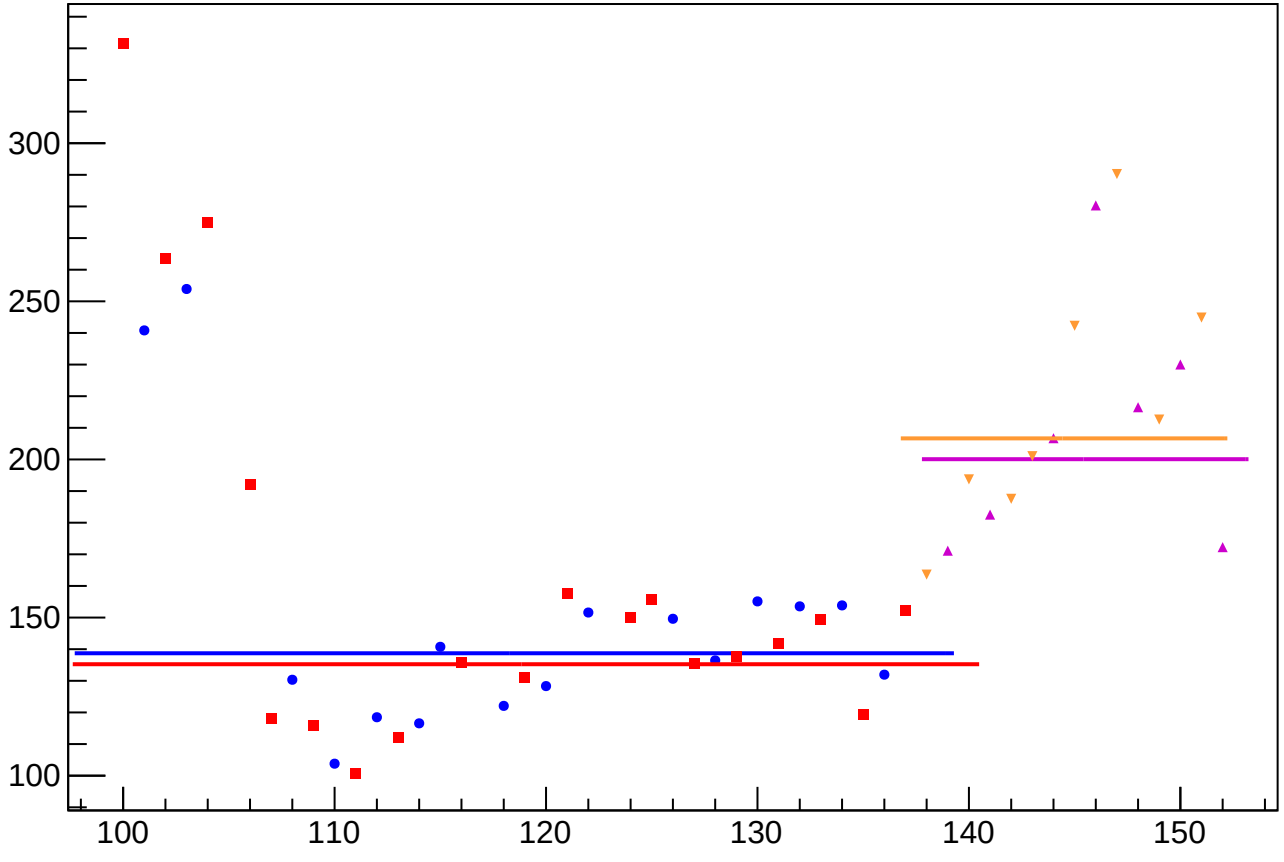
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -3372.745+/-45.627 χ^2/NDF:51445.4/22

Out: -3231.730+/-44.523 χ^2/NDF:14349.6/26

All: -3300.512+/-31.866 χ^2/NDF: 65799.9/49

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: 200.081+/-0.060 χ^2/NDF:281794.4/6

Left: 203.324+/-0.043 χ^2/NDF: 619526.6/14

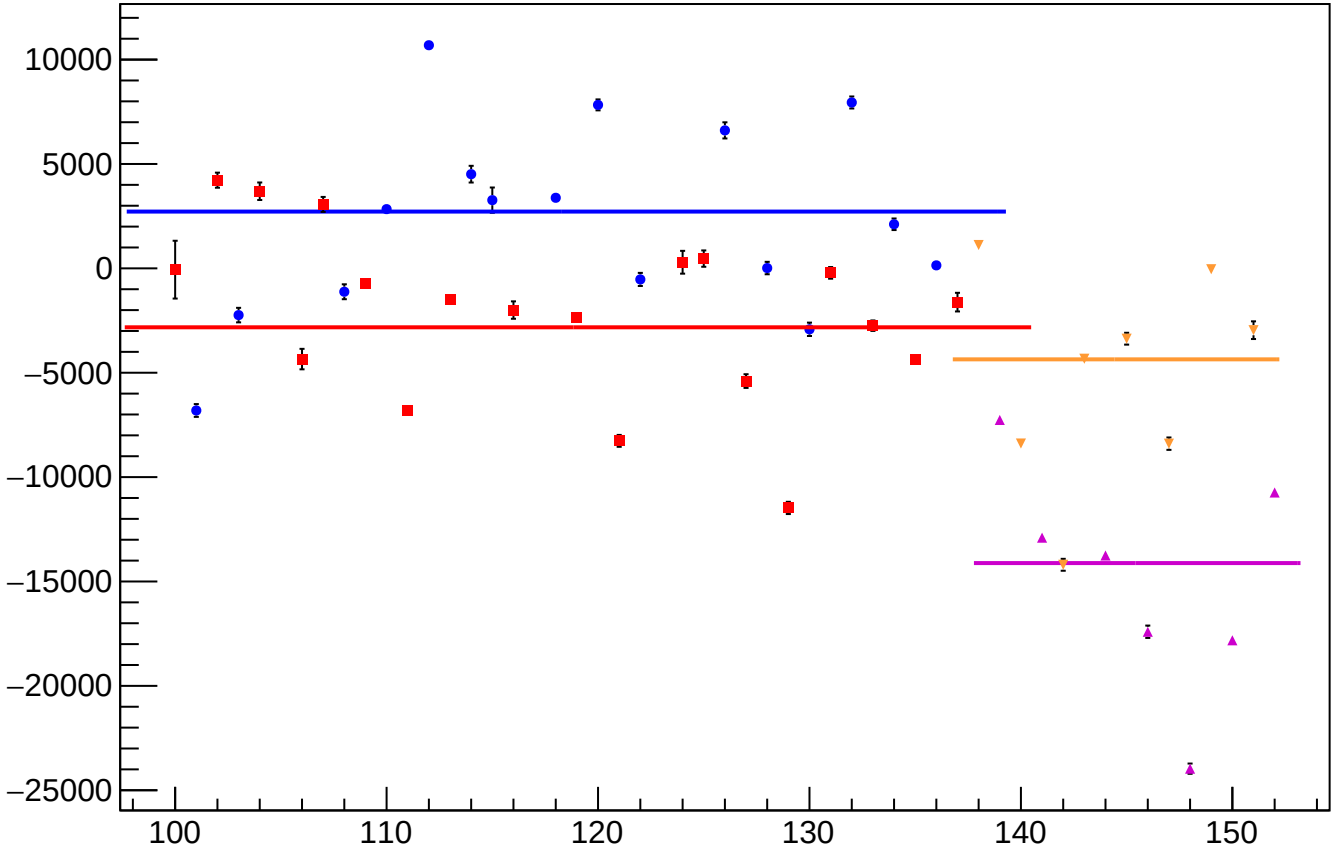
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 156.588+/-0.032 χ^2/NDF:1686510.5/22

Out: 154.497+/-0.031 χ^2/NDF:2234992.0/26

All: 155.517+/-0.023 χ^2/NDF: 3923655.4/49

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: -14117.968+/-84.391 χ^2/NDF:3461.7/6

Left: -9446.962+/-60.935 χ^2/NDF: 12741.3/14

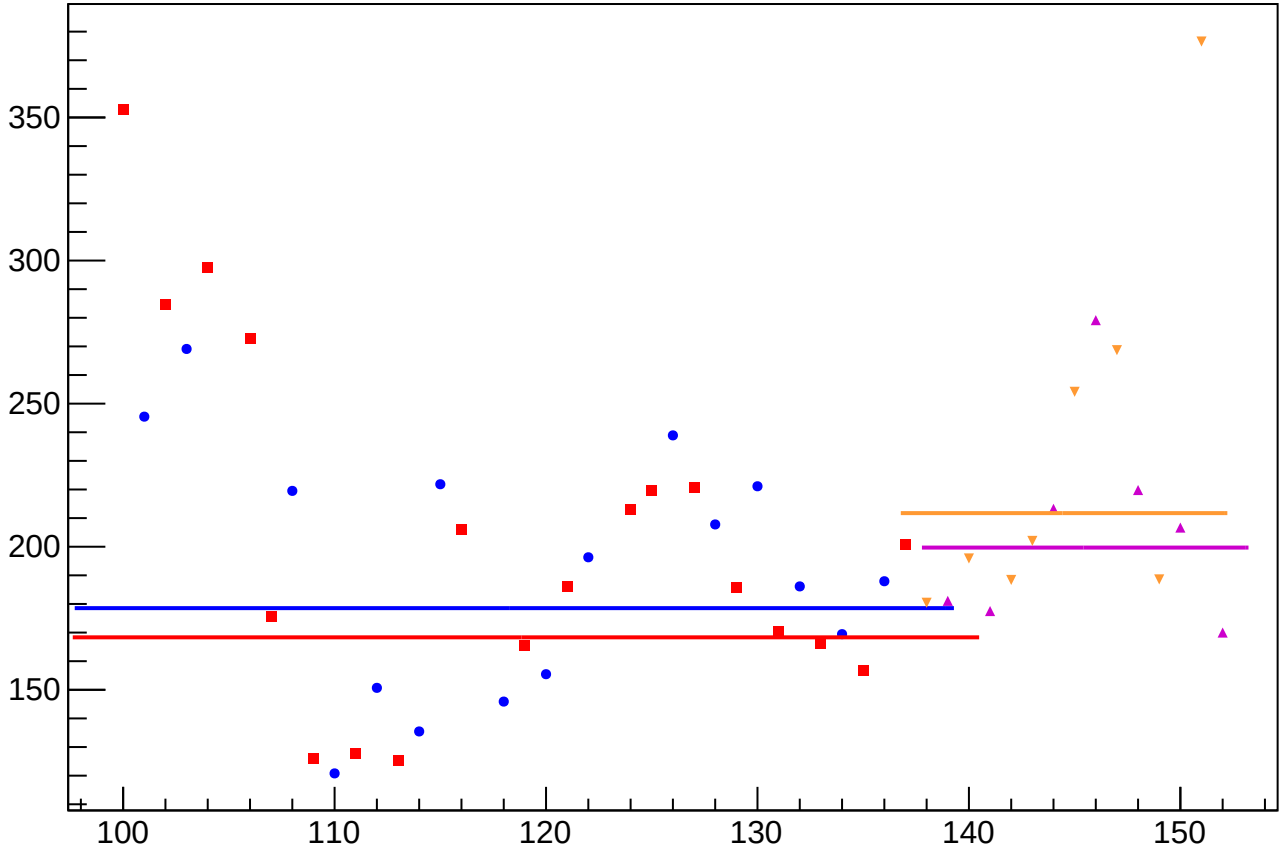
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -4055.251+/-53.532 χ^2/NDF:31381.5/22

Out: -3363.397+/-52.222 χ^2/NDF:6138.8/26

All: -3700.753+/-37.381 χ^2/NDF: 37605.9/49

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: 199.700+/-0.060 χ^2/NDF:244889.7/6

Left: 205.465+/-0.043 χ^2/NDF: 783878.7/14

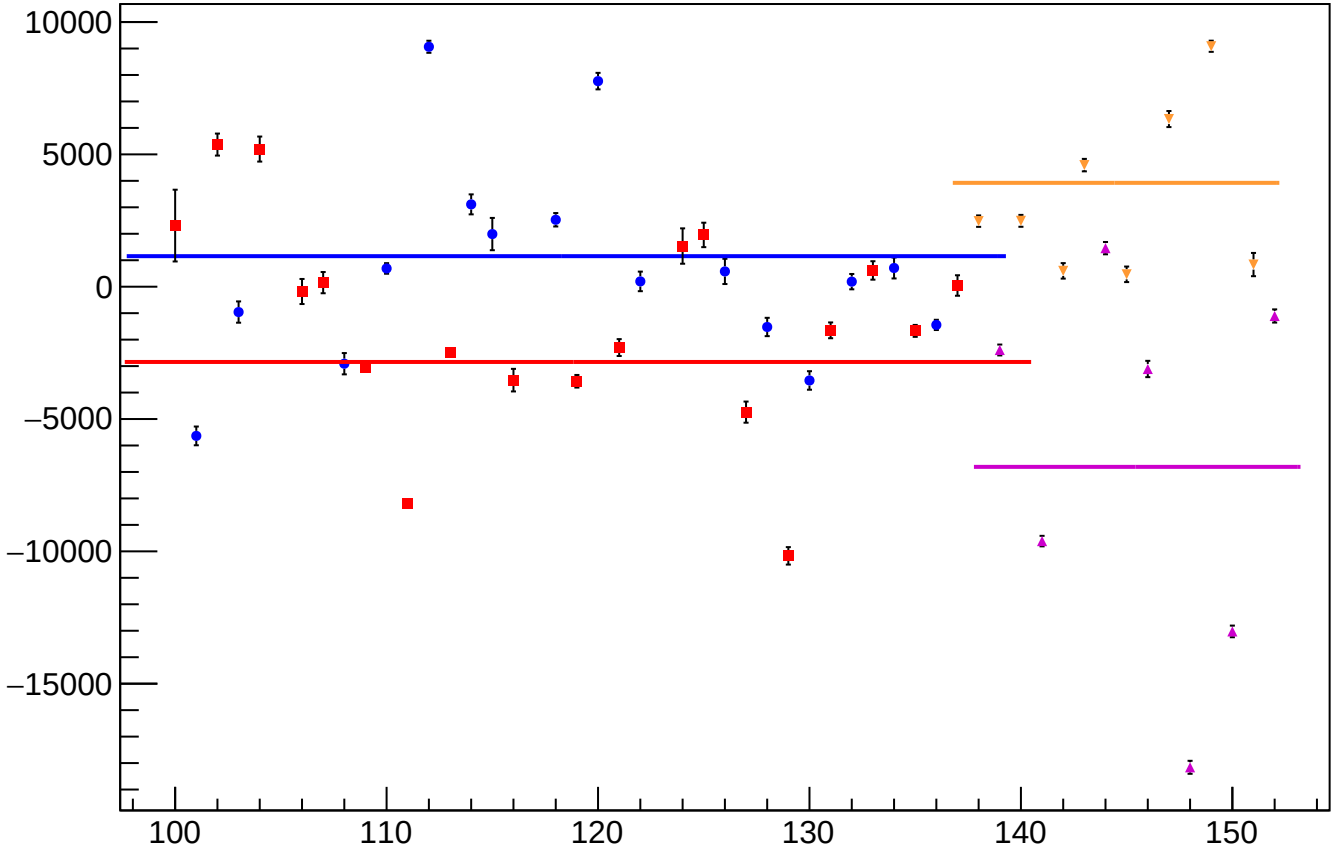
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 187.055+/-0.038 χ^2/NDF:994593.6/22

Out: 183.595+/-0.037 χ^2/NDF:1813999.5/26

All: 185.282+/-0.026 χ^2/NDF: 2812875.2/49

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: -6807.463+/-87.283 χ^2/NDF:5522.9/6

Left: -1660.246+/-62.964 χ^2/NDF: 13845.5/14

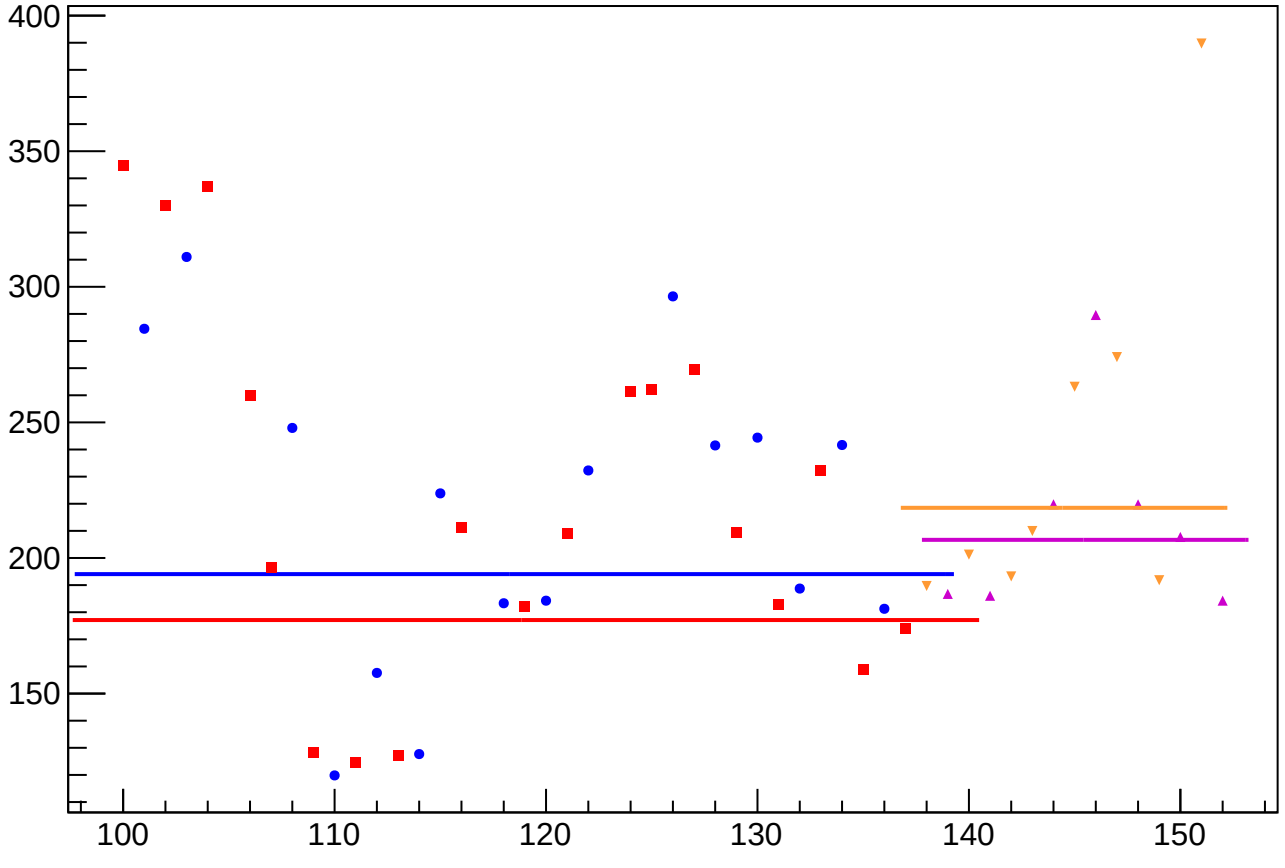
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -2277.090+/-57.298 χ^2/NDF:12912.6/22

Out: -363.897+/-55.033 χ^2/NDF:7036.3/26

All: -1281.934+/-39.691 χ^2/NDF: 20528.8/49

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: 206.690+/-0.062 χ^2/NDF:213463.8/6

Left: 212.355+/-0.045 χ^2/NDF: 744765.9/14

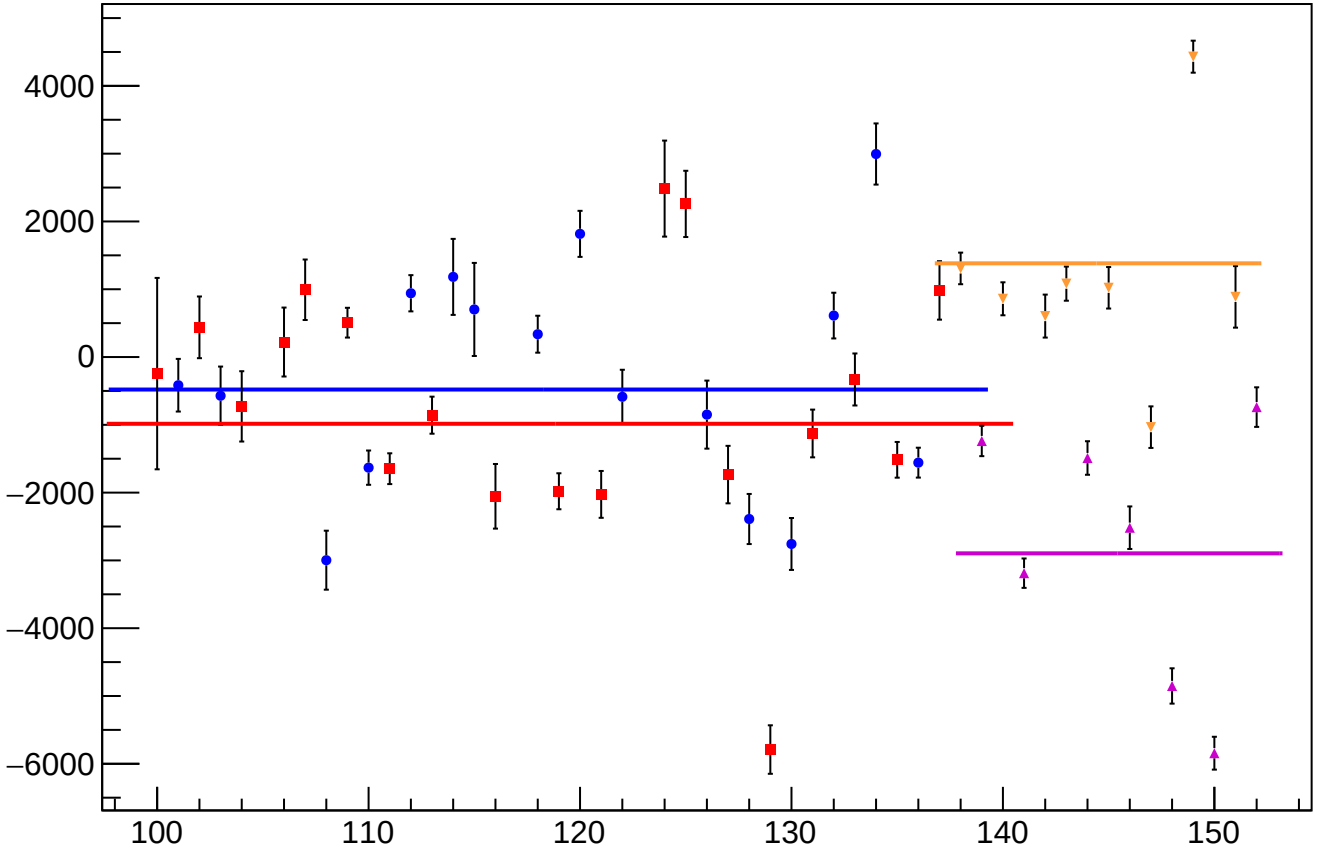
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 199.499+/-0.041 χ^2/NDF:1203108.4/22

Out: 192.280+/-0.039 χ^2/NDF:2135670.2/26

All: 195.744+/-0.028 χ^2/NDF: 3355293.7/49

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: -2895.724+/-94.814 χ^2/NDF:349.5/6

Left: -817.022+/-67.983 χ^2/NDF: 1582.3/14

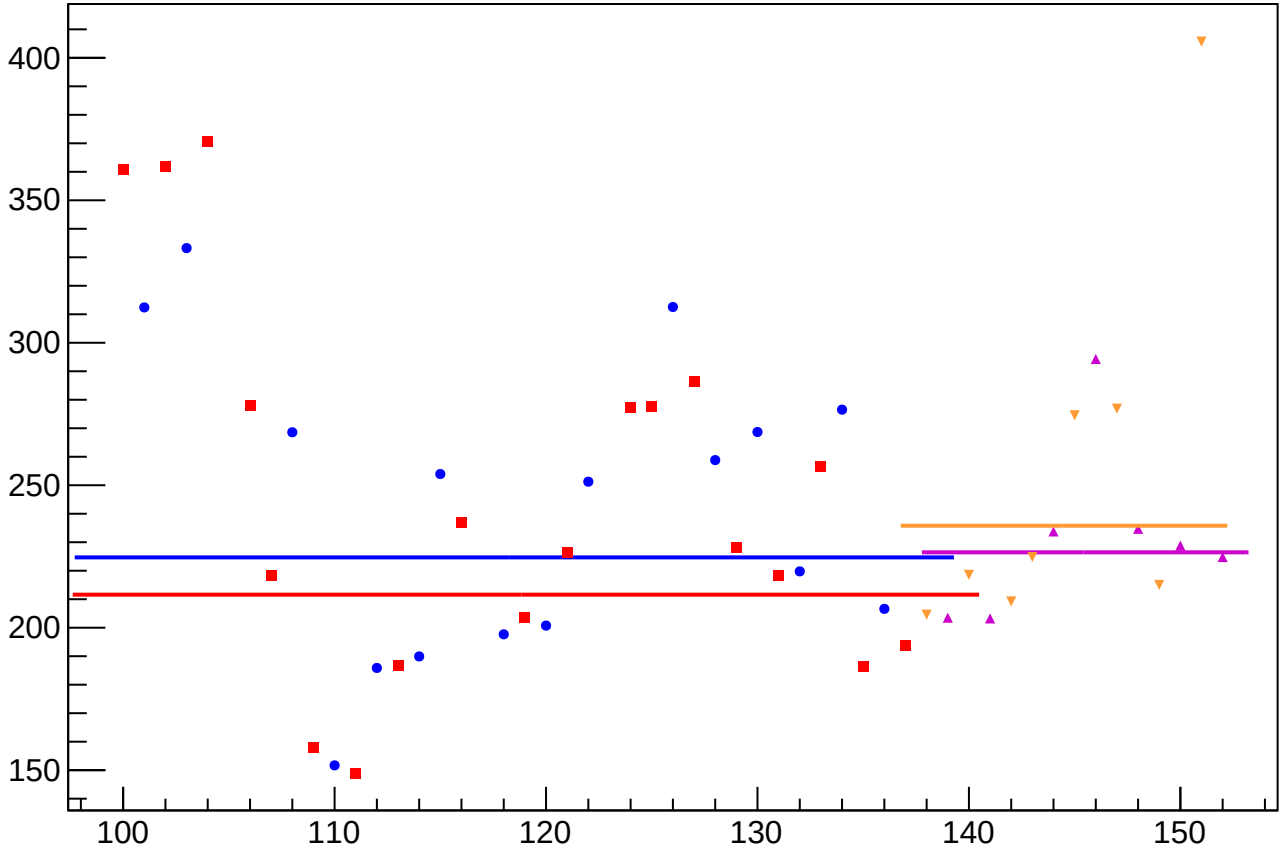
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1579.503+/-63.977 χ^2/NDF:1008.7/22

Out: -19.088+/-62.287 χ^2/NDF:990.4/26

All: -778.415+/-44.629 χ^2/NDF: 2304.6/49

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: 226.452+/-0.067 χ^2/NDF:141511.9/6

Left: 230.989+/-0.048 χ^2/NDF: 578561.9/14

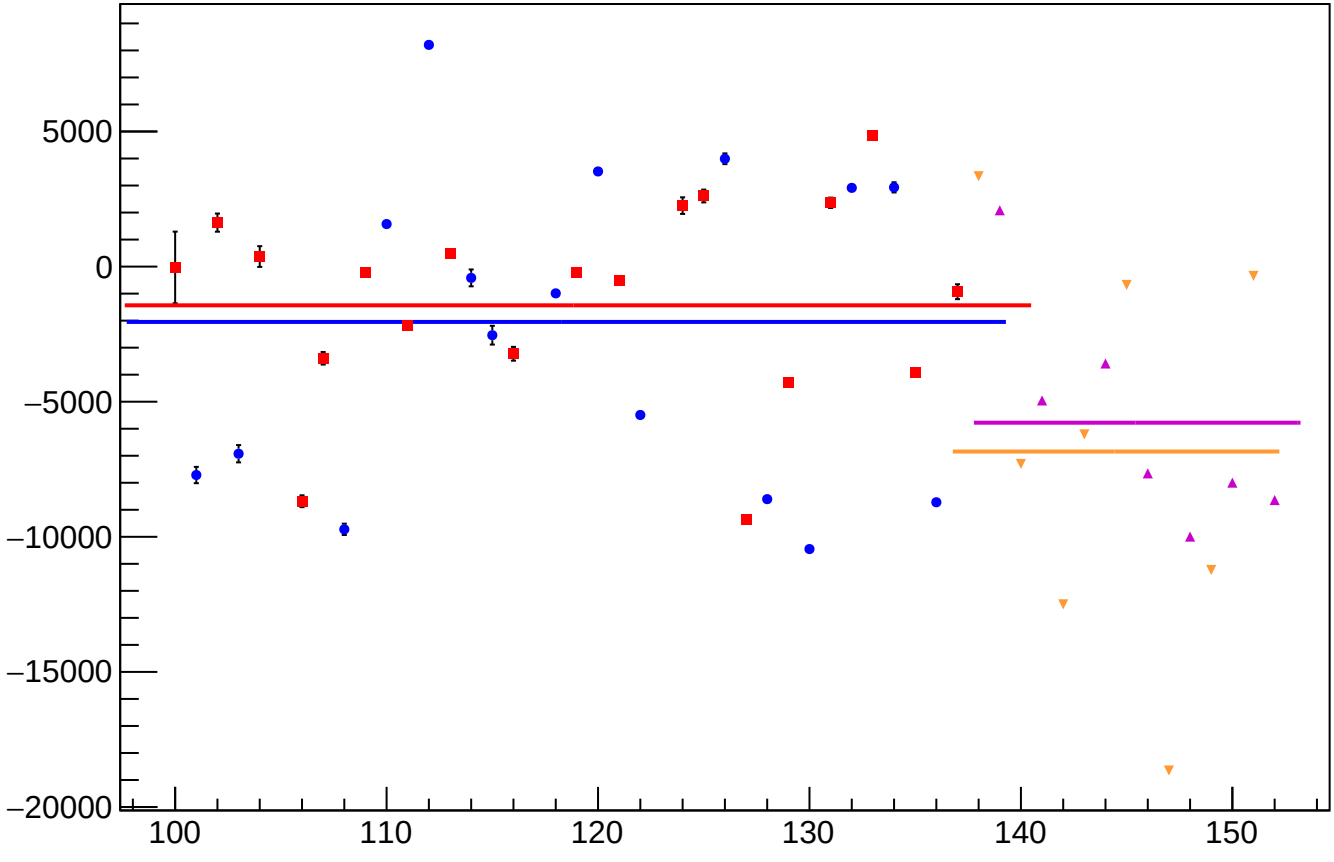
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 225.488+/-0.045 χ^2/NDF:795084.9/22

Out: 221.463+/-0.044 χ^2/NDF:1433406.5/26

All: 223.422+/-0.032 χ^2/NDF: 2232556.0/49

asym_bpm1i02WS_mean vs Slug, Sign Corrected



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: -5776.871+/-46.669 χ^2/NDF:6476.5/6

Left: -6321.183+/-32.657 χ^2/NDF: 29650.3/14

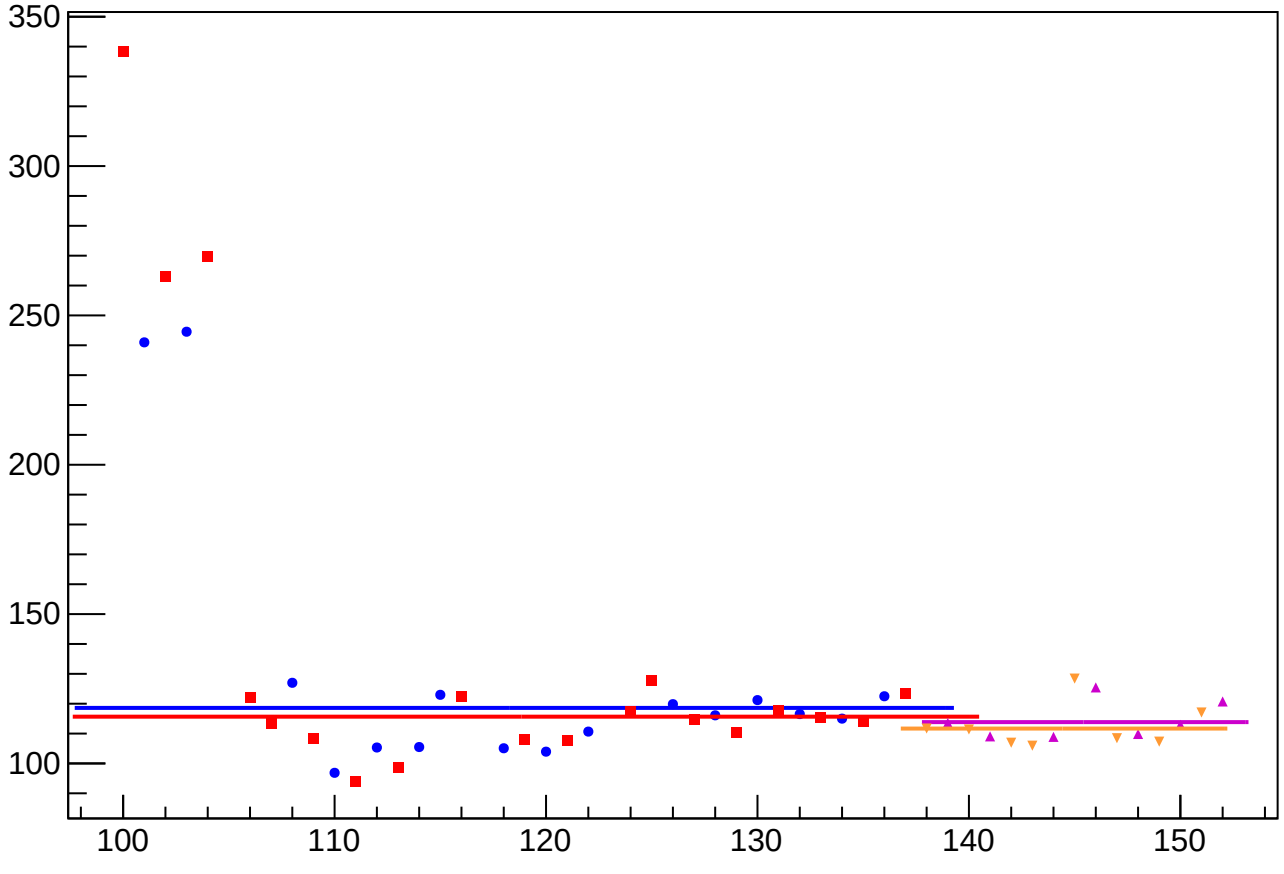
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3914.198+/-33.018 χ^2/NDF:26375.3/22

Out: -4079.291+/-31.971 χ^2/NDF:36451.7/26

All: -3999.405+/-22.968 χ^2/NDF: 62839.9/49

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: 113.836+/-0.033 χ^2/NDF:29788.9/6

Left: 112.734+/-0.023 χ^2/NDF: 72530.7/14

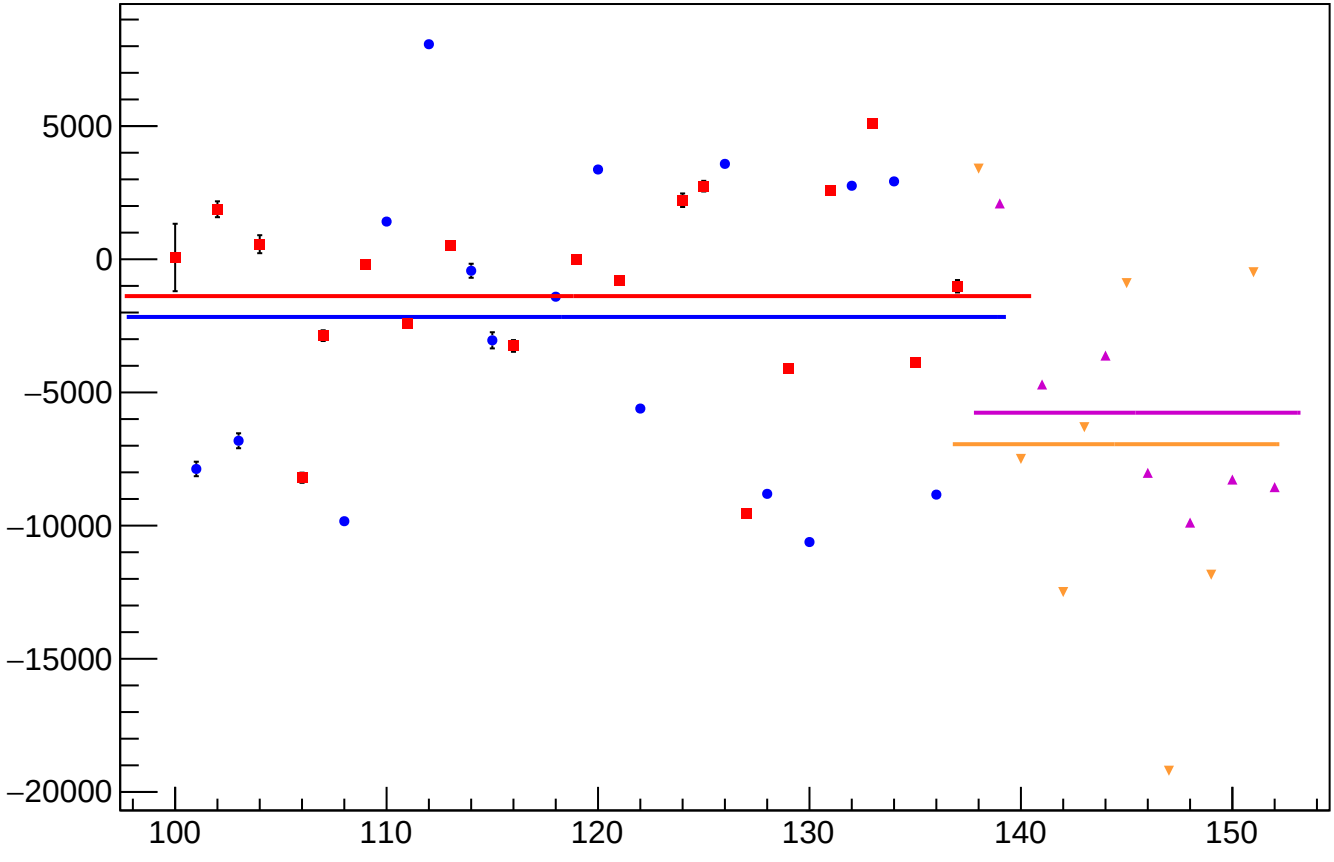
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.213+/-0.023 χ^2/NDF:774340.2/22

Out: 113.712+/-0.023 χ^2/NDF:912520.3/26

All: 114.922+/-0.016 χ^2/NDF: 1692785.1/49

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: -5761.235+/-43.472 χ^2/NDF:7684.3/6

Left: -6371.752+/-30.228 χ^2/NDF: 35812.1/14

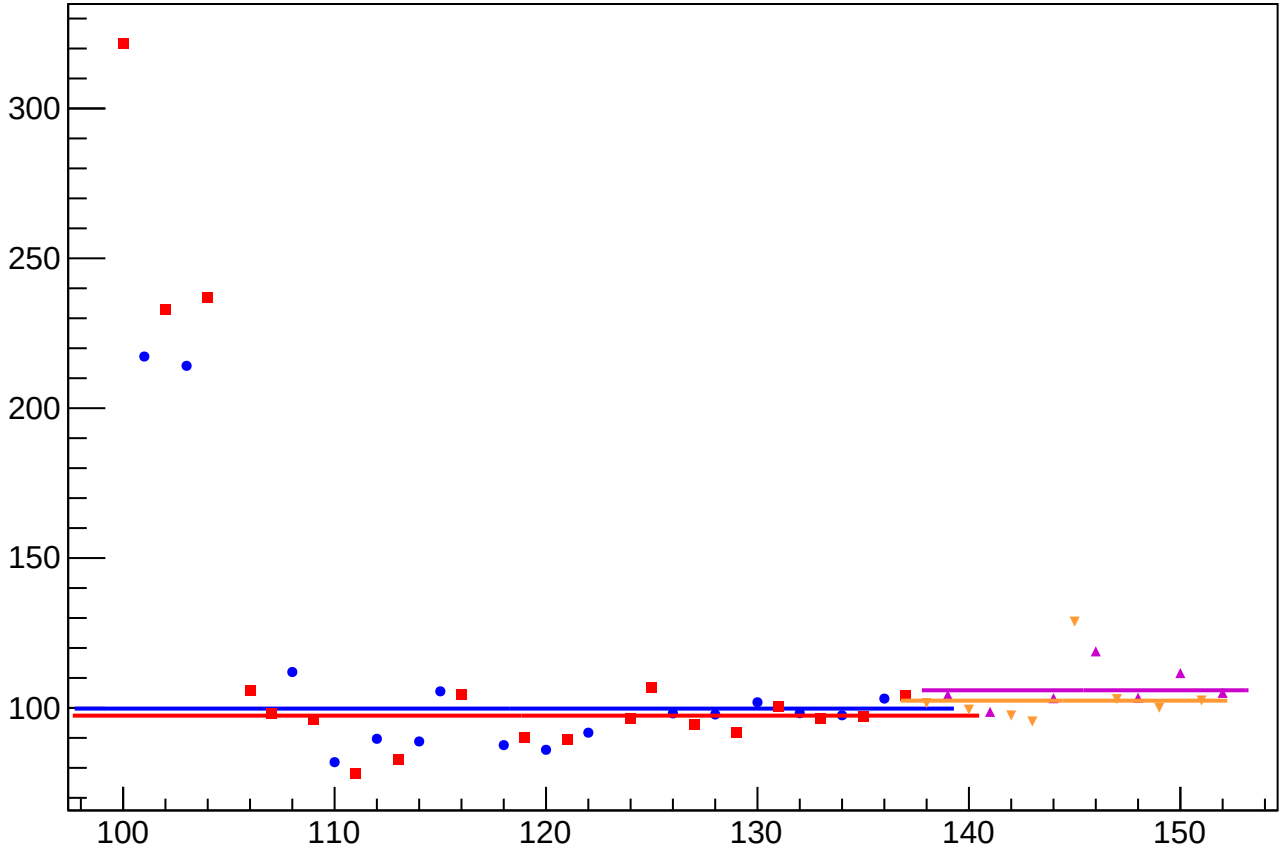
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -3797.755+/-29.288 χ^2/NDF:34294.5/22

Out: -3880.224+/-28.186 χ^2/NDF:46522.0/26

All: -3840.570+/-20.309 χ^2/NDF: 80820.6/49

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: 105.885+/-0.031 χ^2/NDF:37308.4/6

Left: 104.097+/-0.021 χ^2/NDF: 122527.4/14

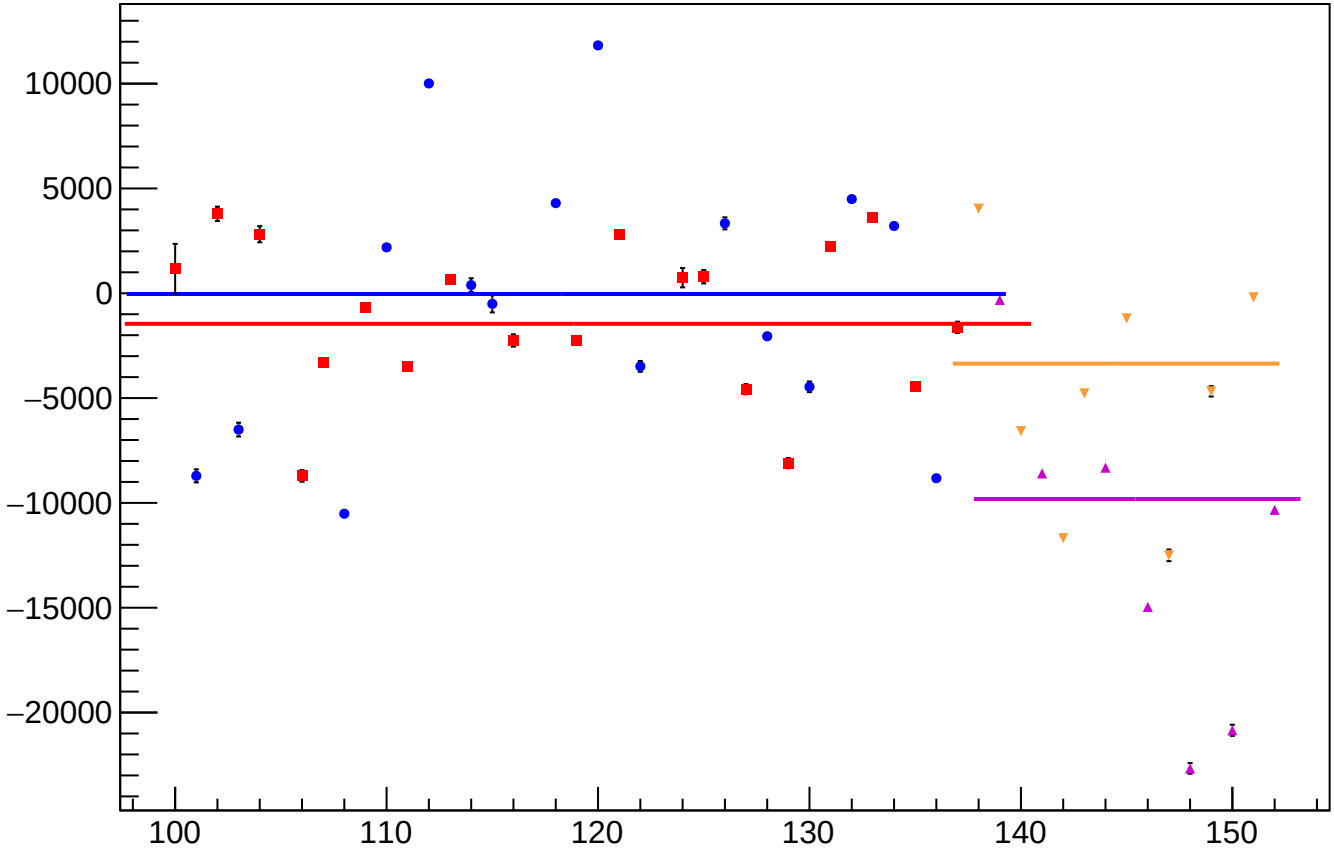
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 102.548+/-0.021 χ^2/NDF:868037.4/22

Out: 99.671+/-0.020 χ^2/NDF:1020263.5/26

All: 101.054+/-0.014 χ^2/NDF: 1898317.1/49

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: -9813.512+/-72.363 χ^2/NDF:8501.7/6

Left: -6427.561+/-49.909 χ^2/NDF: 18163.0/14

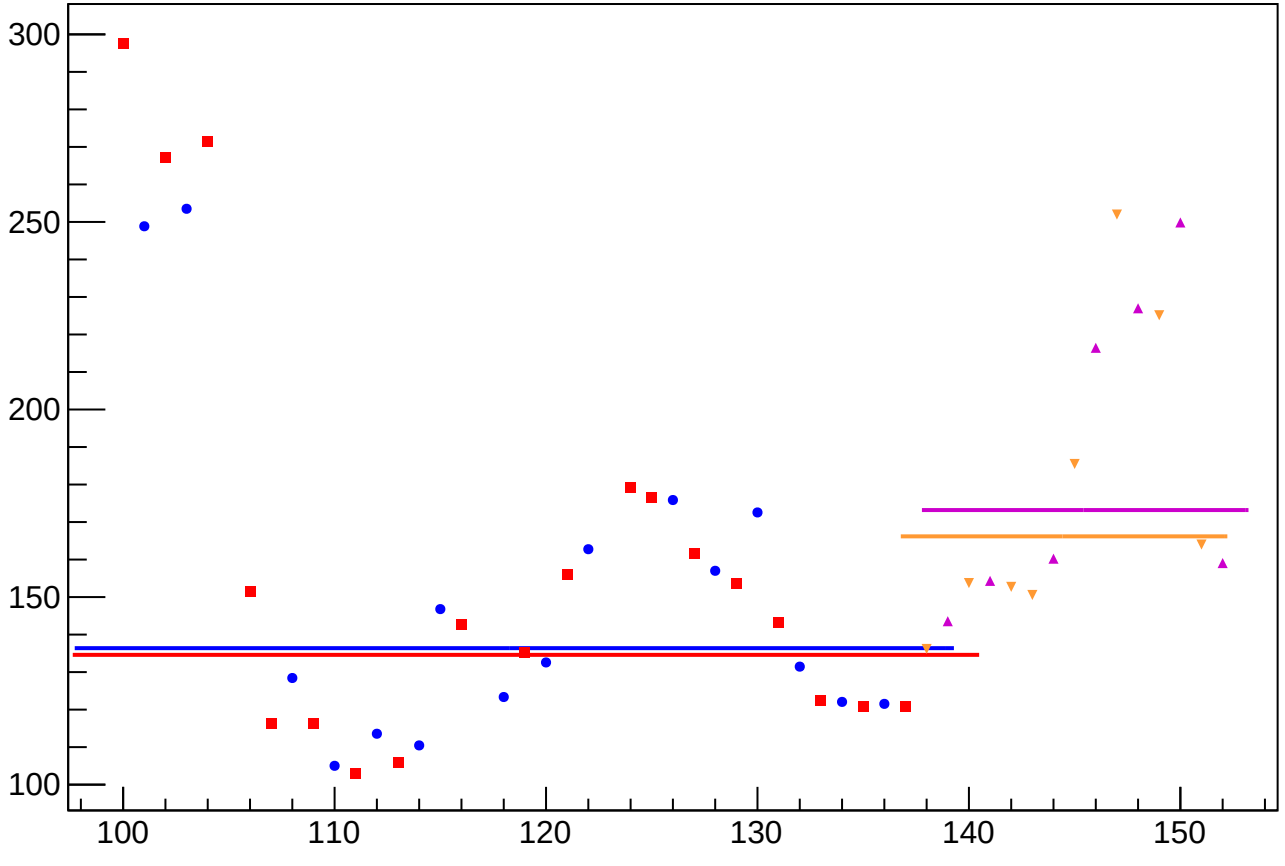
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -3487.855+/-43.001 χ^2/NDF:37117.6/22

Out: -2144.465+/-41.484 χ^2/NDF:10086.4/26

All: -2792.046+/-29.856 χ^2/NDF: 47709.5/49

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: 173.197+/-0.051 χ^2/NDF:448778.0/6

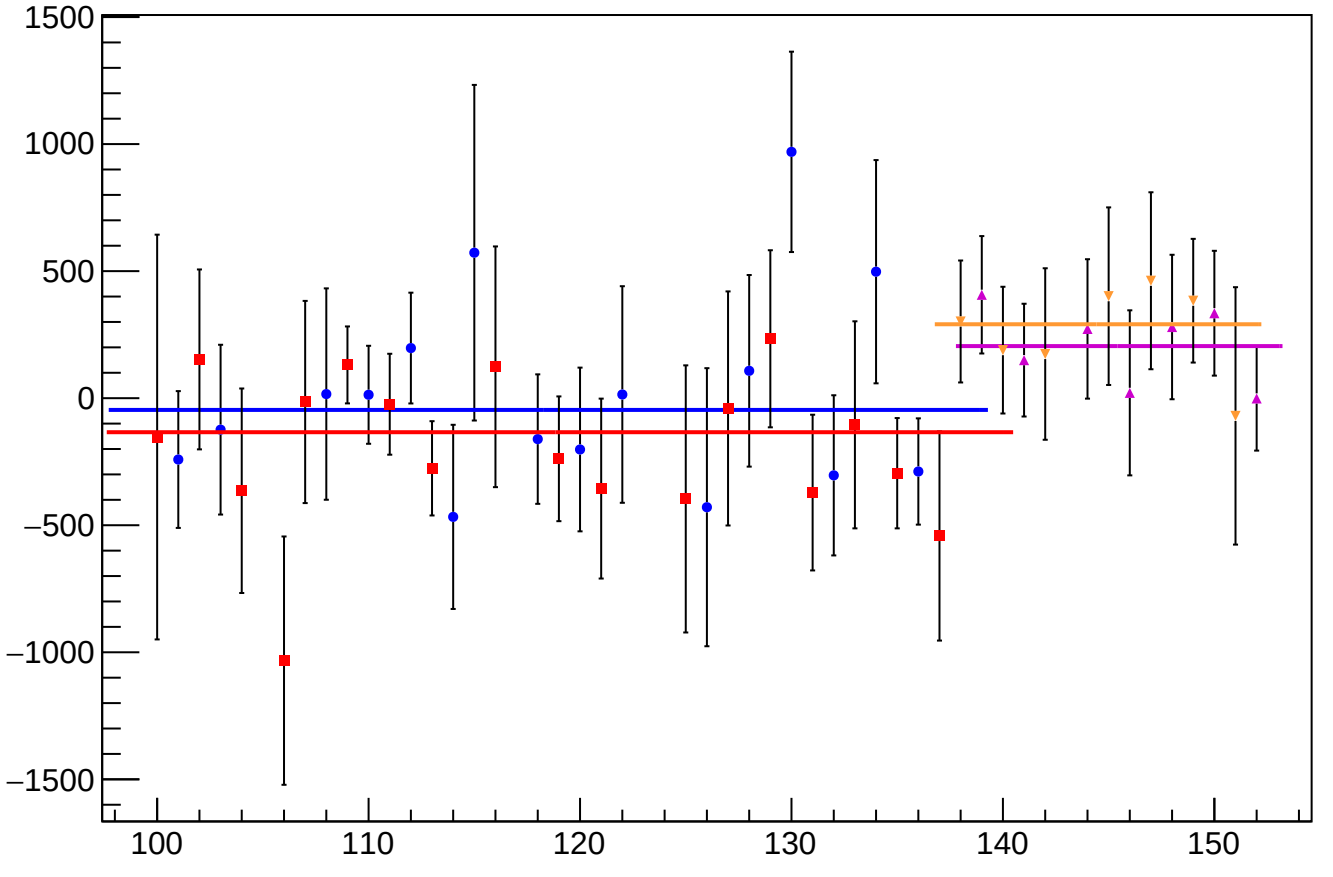
Left: 169.521+/-0.035 χ^2/NDF: 889350.9/14

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 149.383+/-0.030 χ^2/NDF:1580479.2/22

Out: 146.040+/-0.029 χ^2/NDF:1618200.7/26

All: 147.652+/-0.021 χ^2/NDF: 3204942.2/49



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: 205.015+/-93.456 χ^2/NDF:2.6/6

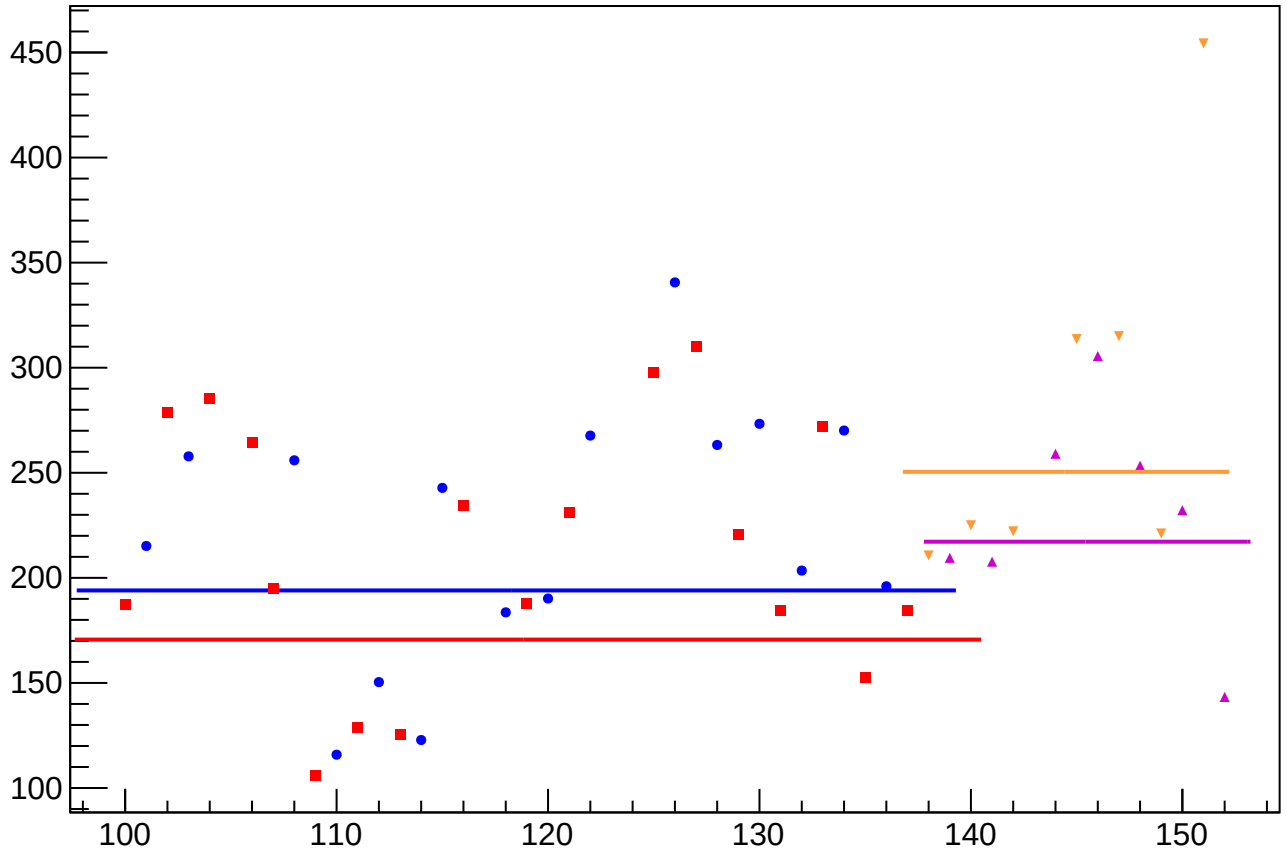
Left: 240.200+/-71.809 χ^2/NDF: 4.2/13

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 54.250+/-59.096 χ^2/NDF:22.4/22

Out: -18.774+/-58.412 χ^2/NDF:24.6/24

All: 17.313+/-41.543 χ^2/NDF: 47.7/47



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: 217.202+/-0.066 χ^2/NDF:499089.7/6

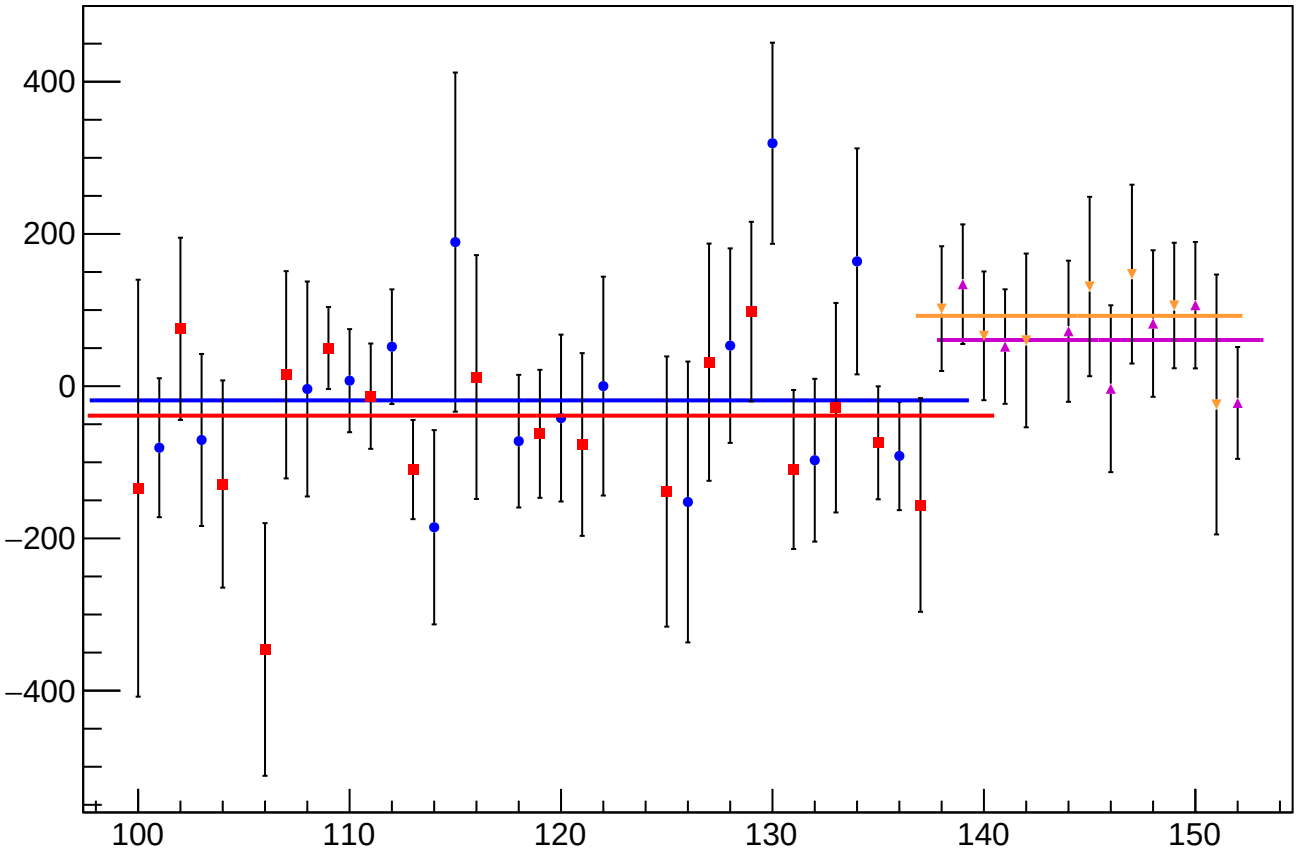
Left: 230.823+/-0.051 χ^2/NDF: 1179847.7/13

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 203.288+/-0.042 χ^2/NDF:1616552.8/22

Out: 192.260+/-0.041 χ^2/NDF:2908873.5/24

All: 197.710+/-0.029 χ^2/NDF: 4560651.2/47



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: 60.691+/-32.005 χ^2/NDF:2.9/6

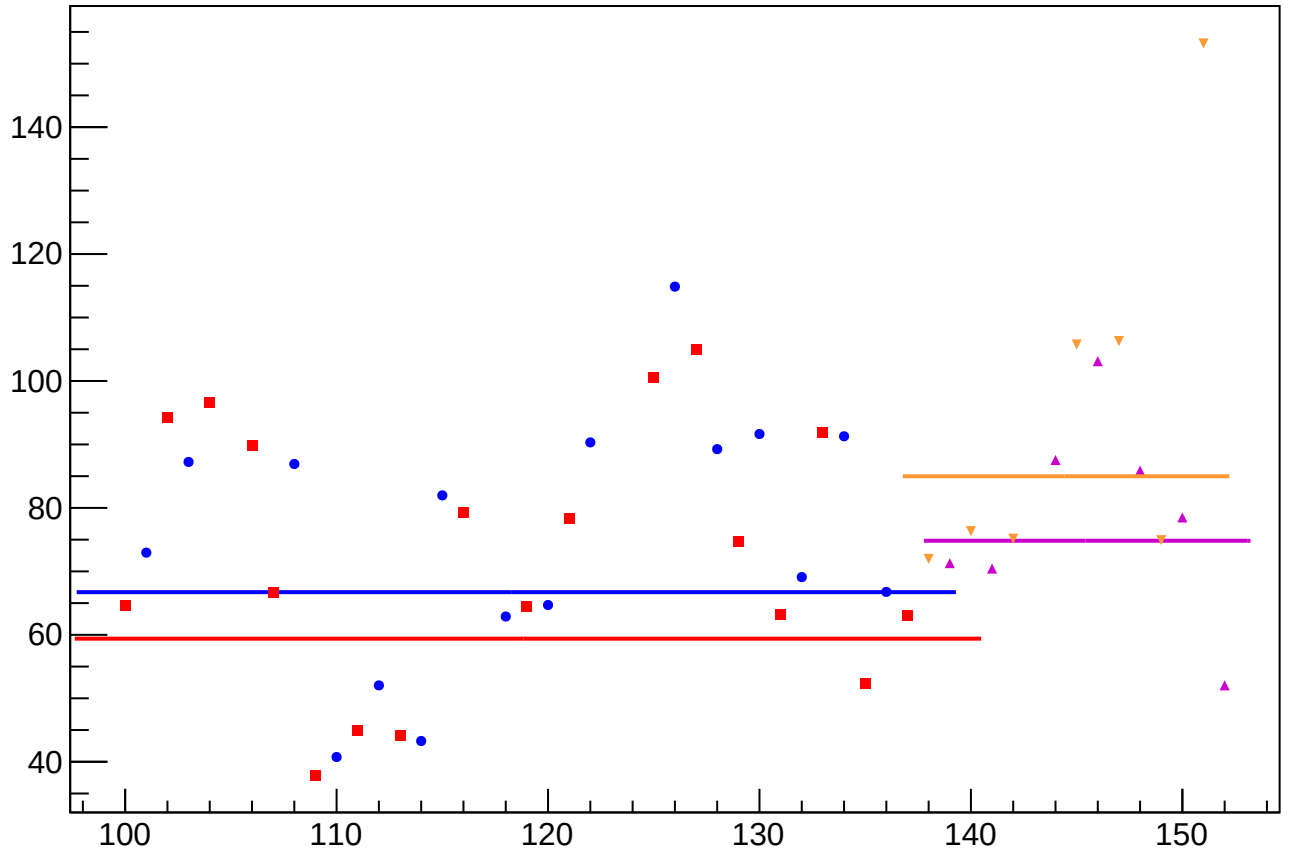
Left: 73.848+/-24.488 χ^2/NDF: 4.3/13

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 13.076+/-20.237 χ^2/NDF:21.8/22

Out: -2.144+/-20.085 χ^2/NDF:22.2/24

All: 5.409+/-14.256 χ^2/NDF: 44.2/47



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: 74.826+/-0.023 χ^2/NDF:404308.7/6

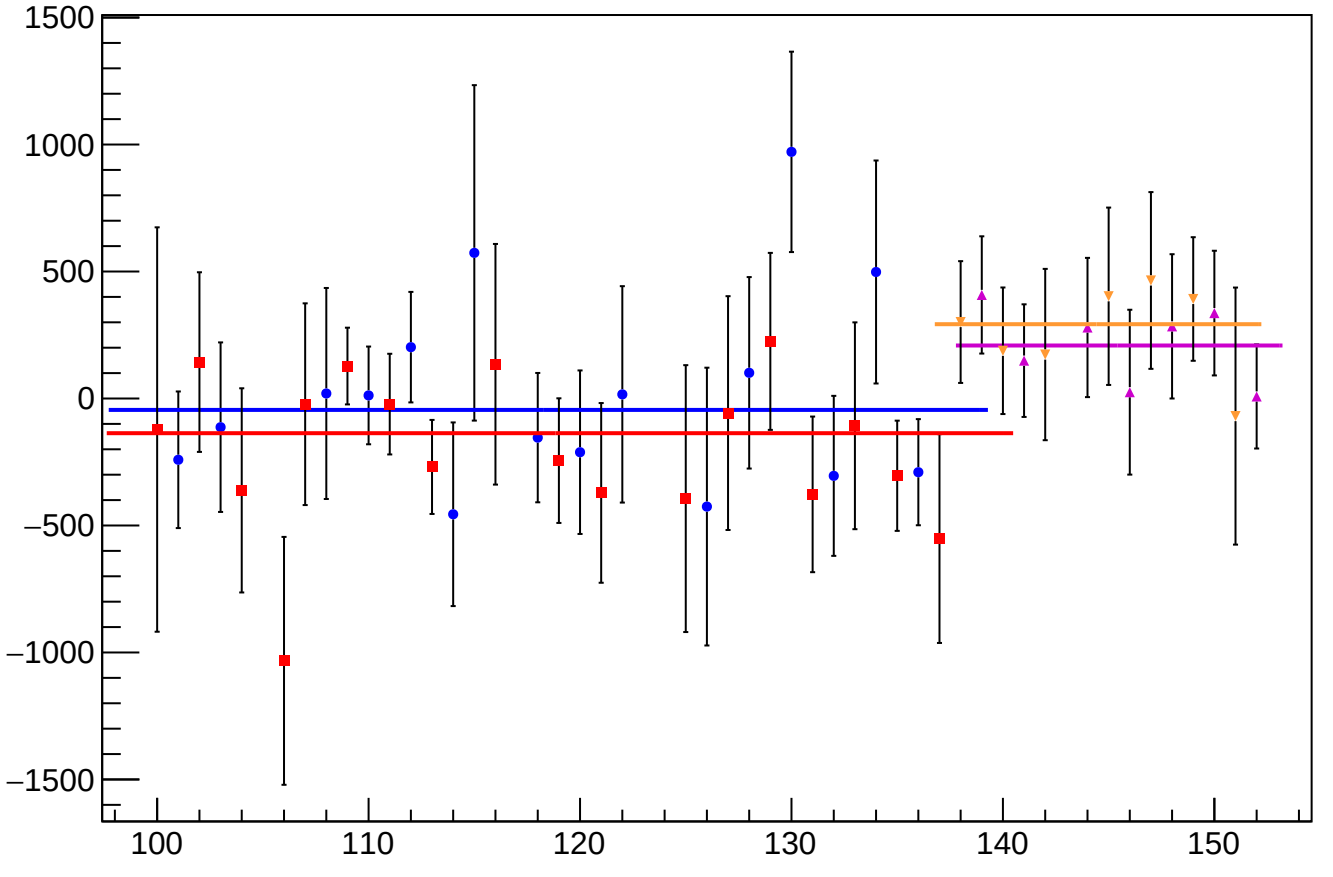
Left: 79.036+/-0.017 χ^2/NDF: 1050887.3/13

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 69.963+/-0.014 χ^2/NDF:1428261.1/22

Out: 66.535+/-0.014 χ^2/NDF:2660927.7/24

All: 68.236+/-0.010 χ^2/NDF: 4118114.6/47



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: 208.694+/-93.368 χ^2/NDF:2.5/6

Left: 243.041+/-71.747 χ^2/NDF: 4.2/13

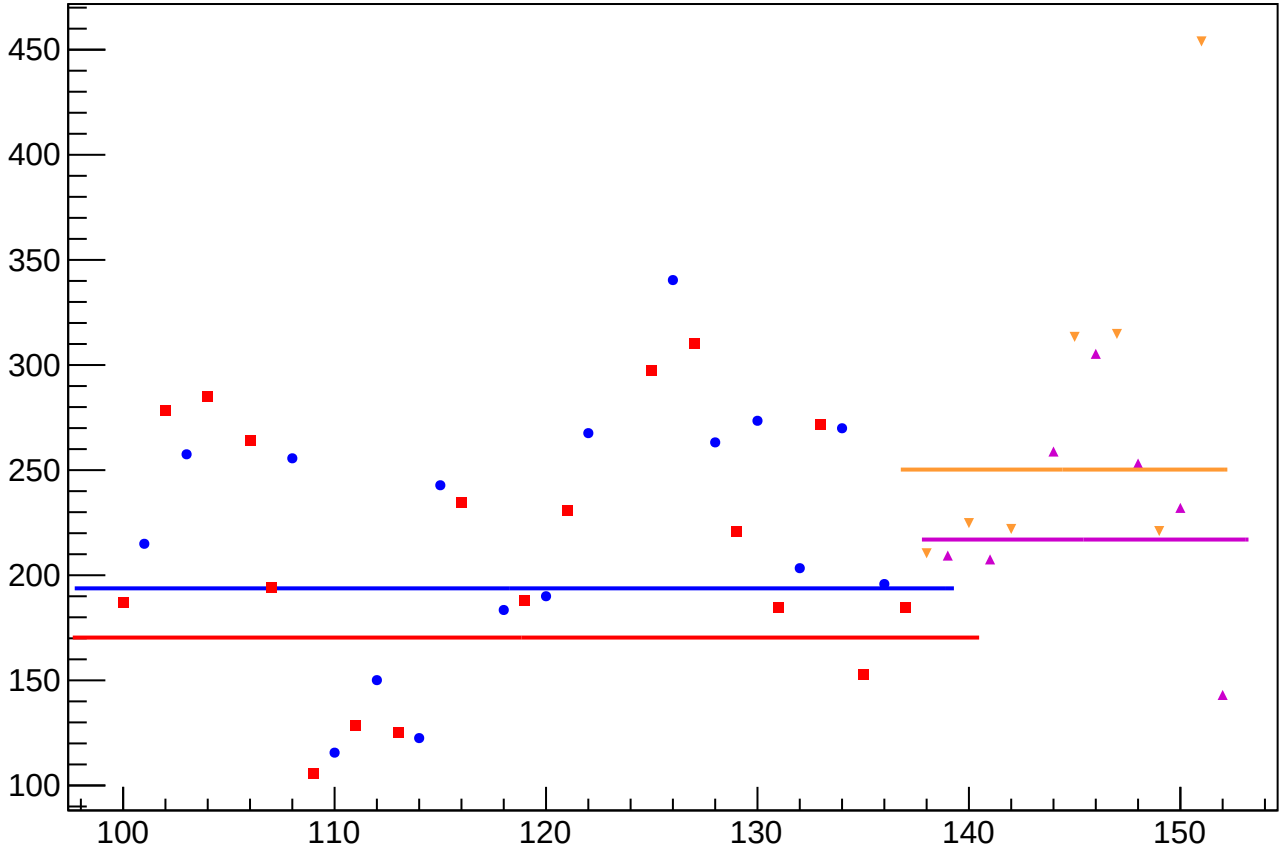
Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 56.469+/-59.034 χ^2/NDF:22.4/22

Out: -20.368+/-58.343 χ^2/NDF:24.9/24

All: 17.598+/-41.497 χ^2/NDF: 48.1/47

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 250.267+/-0.079 χ^2/NDF:576997.3/6

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 216.978+/-0.066 χ^2/NDF:500730.3/6

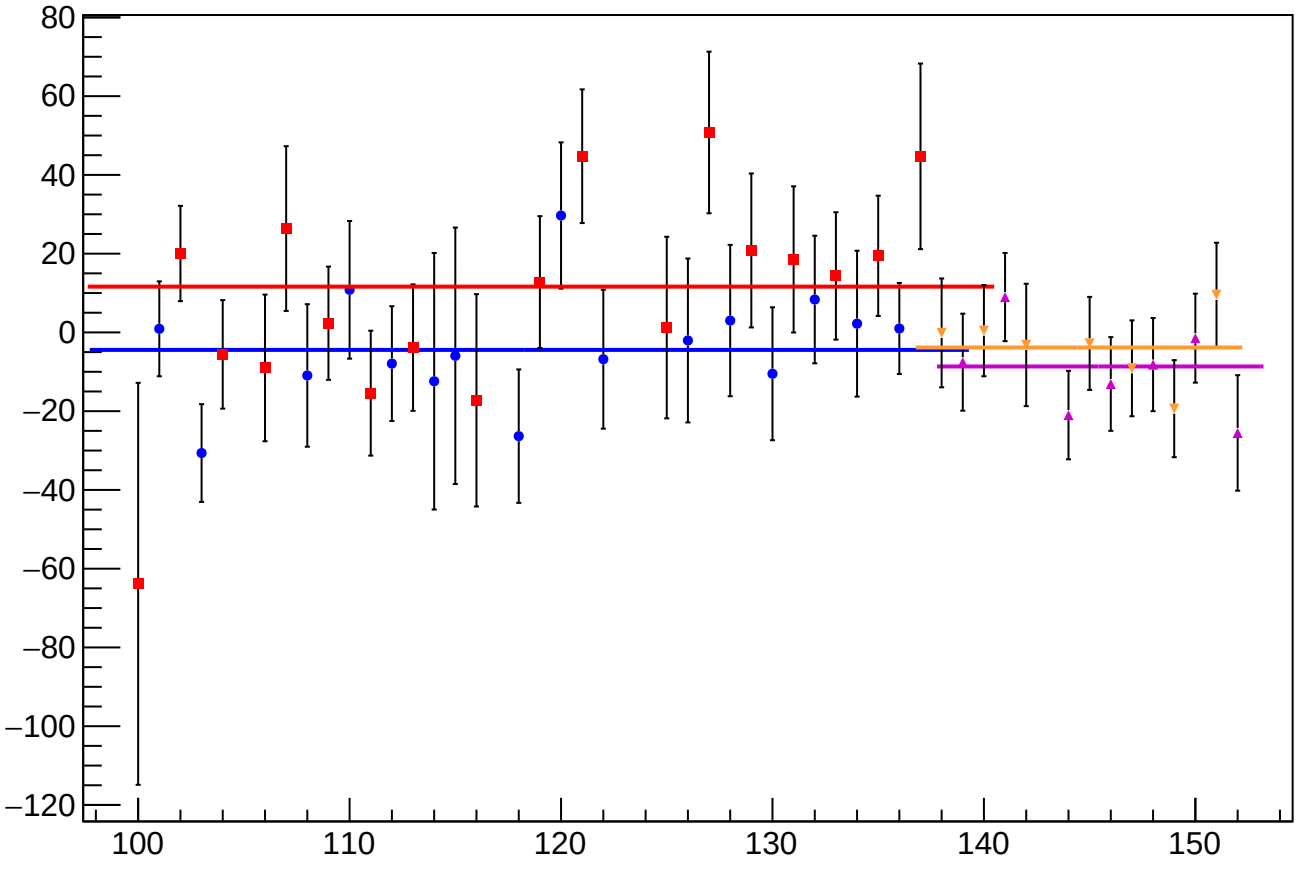
Left: 230.611+/-0.051 χ^2/NDF: 1181837.8/13

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 203.047+/-0.042 χ^2/NDF:1623011.1/22

Out: 191.997+/-0.041 χ^2/NDF:2916889.1/24

All: 197.457+/-0.029 χ^2/NDF: 4575348.1/47



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: -8.647+/-4.510 χ^2/NDF:5.6/6

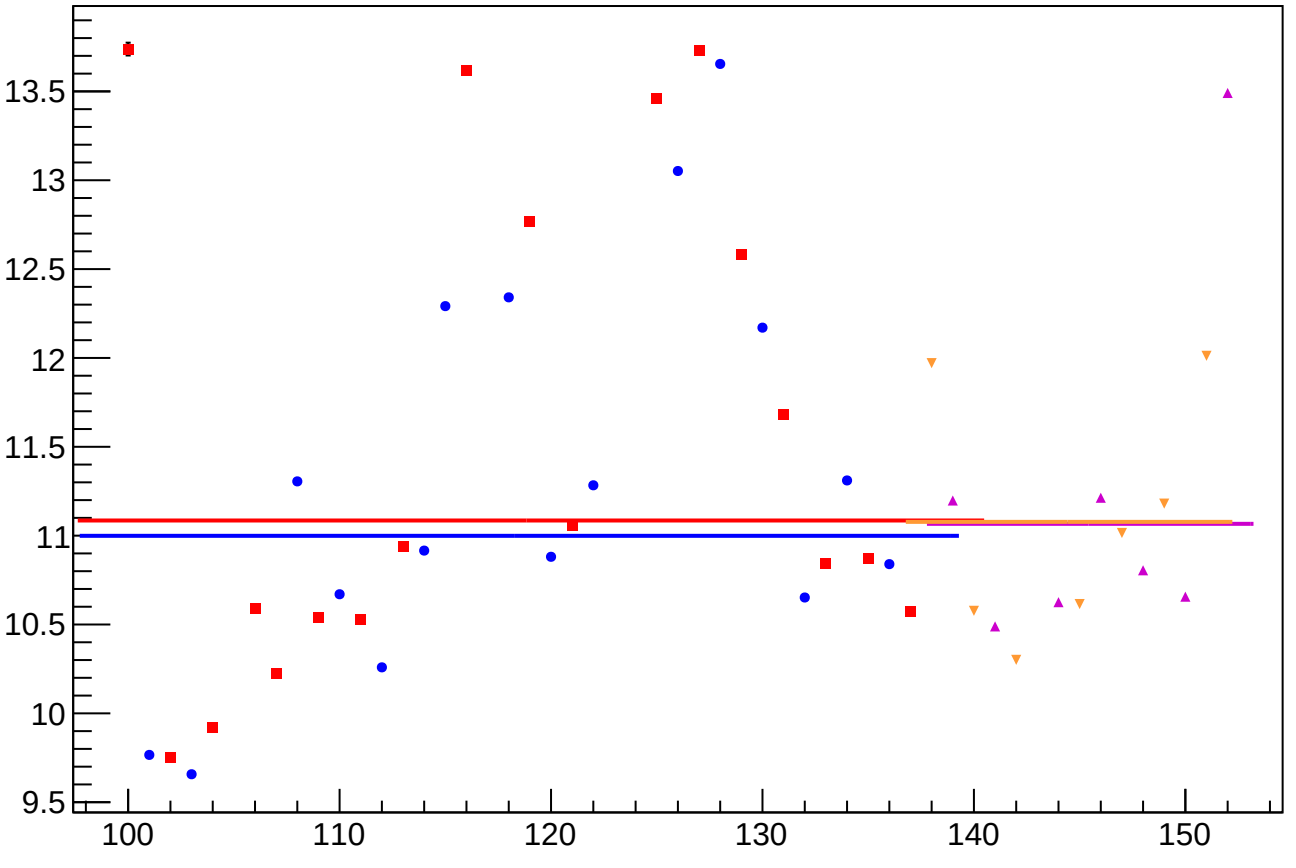
Left: -6.399+/-3.293 χ^2/NDF: 9.1/13

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -6.360+/-3.046 χ^2/NDF:18.0/22

Out: 5.072+/-3.139 χ^2/NDF:30.6/24

All: -0.816+/-2.186 χ^2/NDF: 55.4/47



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: 11.067+/-0.003 χ^2/NDF:67185.5/6

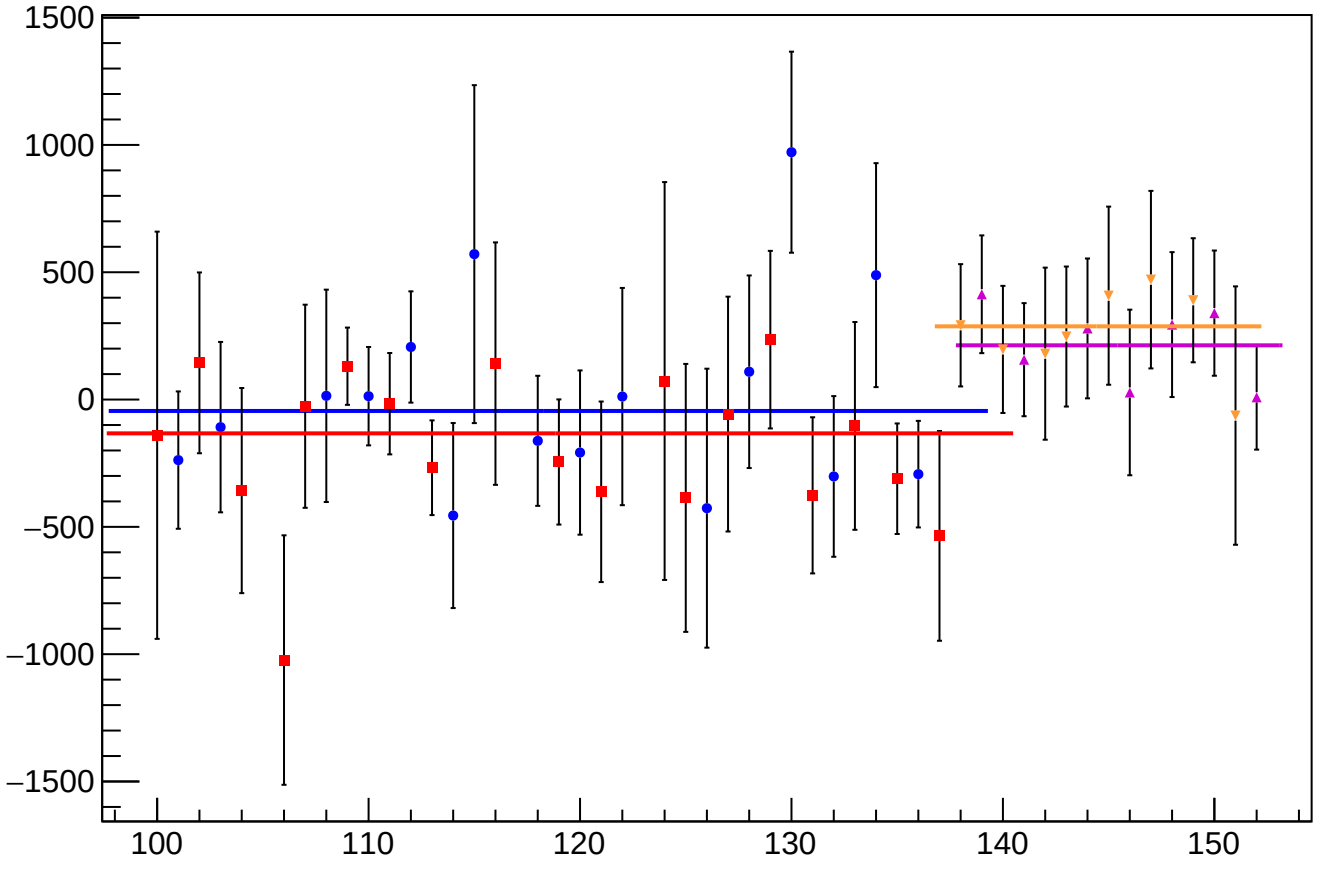
Left: 11.072+/-0.002 χ^2/NDF: 97503.3/13

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.030+/-0.002 χ^2/NDF:203588.1/22

Out: 11.082+/-0.002 χ^2/NDF:192519.3/24

All: 11.055+/-0.002 χ^2/NDF: 396392.4/47



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: 213.014+/-93.549 χ^2/NDF:2.5/6

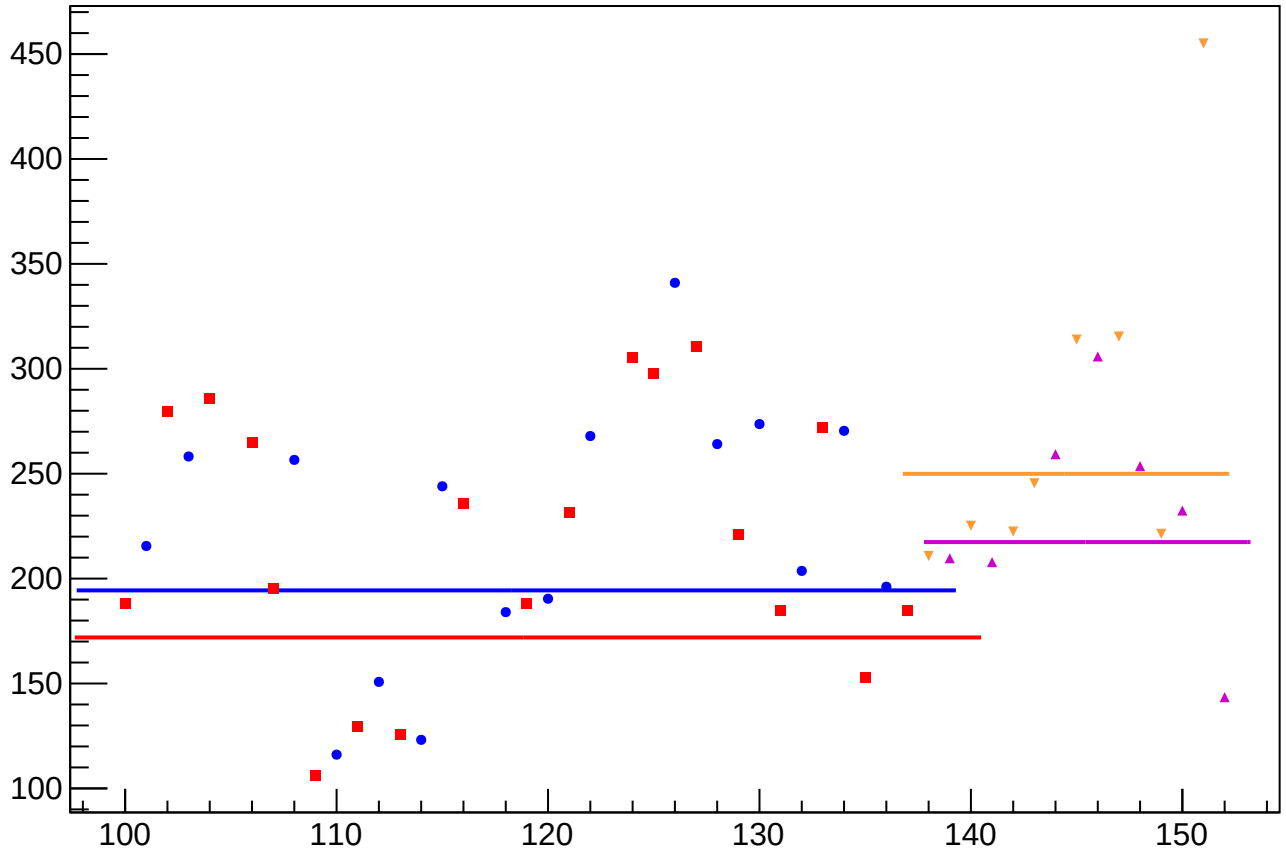
Left: 246.370+/-69.543 χ^2/NDF: 4.1/14

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 58.394+/-59.185 χ^2/NDF:22.5/22

Out: -6.109+/-57.067 χ^2/NDF:25.6/26

All: 24.968+/-41.081 χ^2/NDF: 48.7/49



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: 217.413+/-0.066 χ^2/NDF:499111.3/6

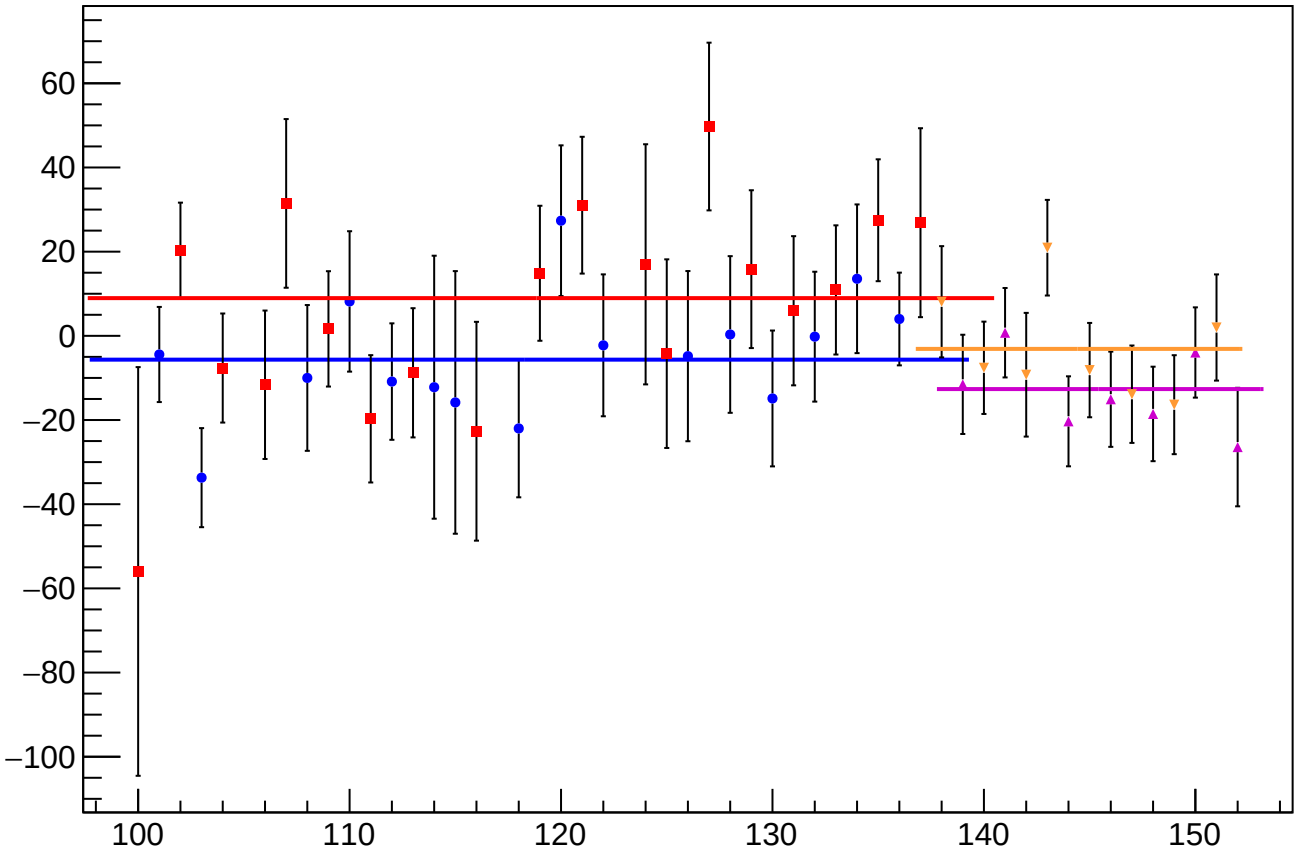
Left: 231.964+/-0.049 χ^2/NDF: 1185744.3/14

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 203.602+/-0.042 χ^2/NDF:1613818.1/22

Out: 195.444+/-0.040 χ^2/NDF:3016104.3/26

All: 199.374+/-0.029 χ^2/NDF: 4649617.1/49



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: -12.647+/-4.292 χ^2/NDF:4.0/6

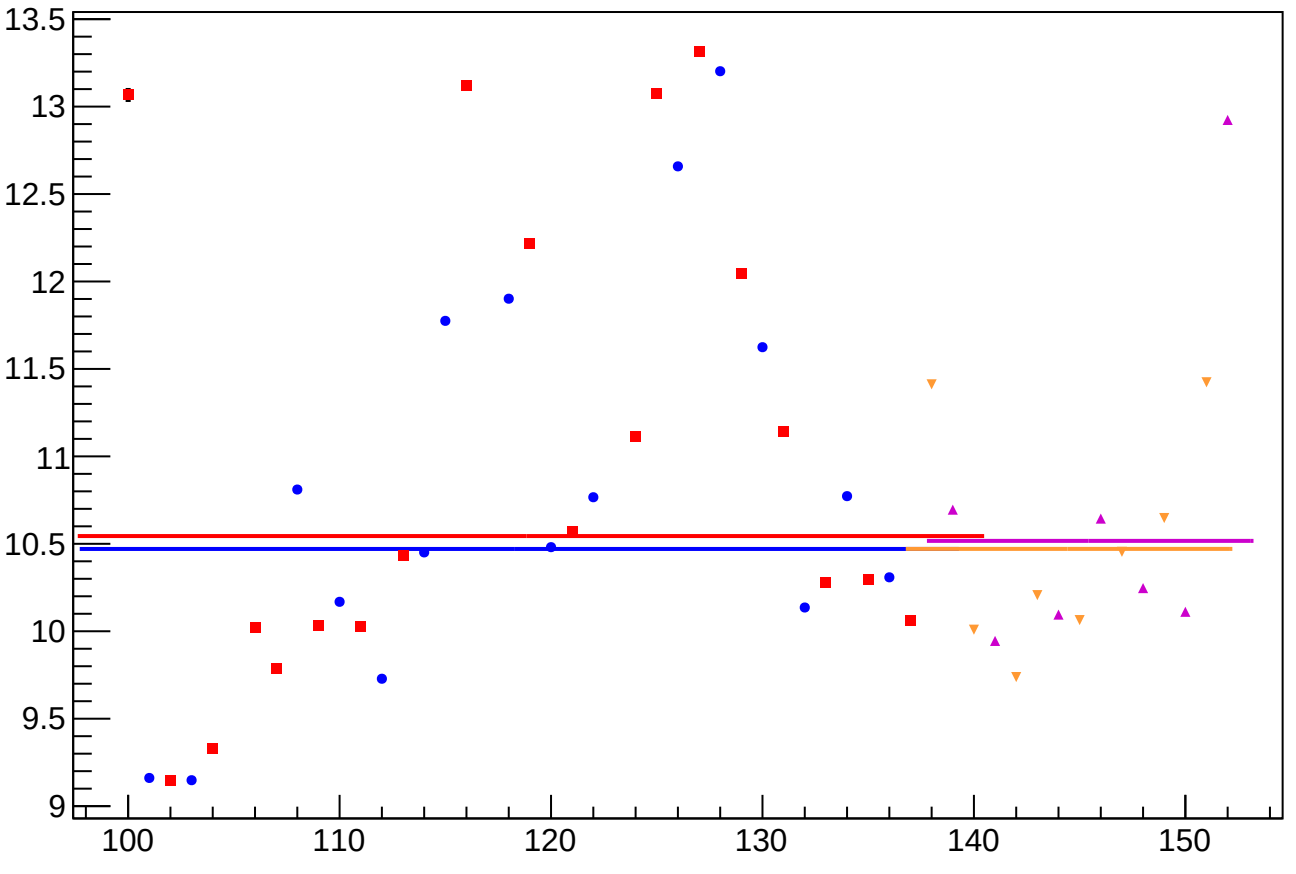
Left: -7.827+/-3.020 χ^2/NDF: 14.6/14

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -8.854+/-2.902 χ^2/NDF:19.2/22

Out: 3.445+/-2.874 χ^2/NDF:35.2/26

All: -2.644+/-2.042 χ^2/NDF: 63.4/49



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: 10.517+/-0.003 χ^2/NDF:72084.0/6

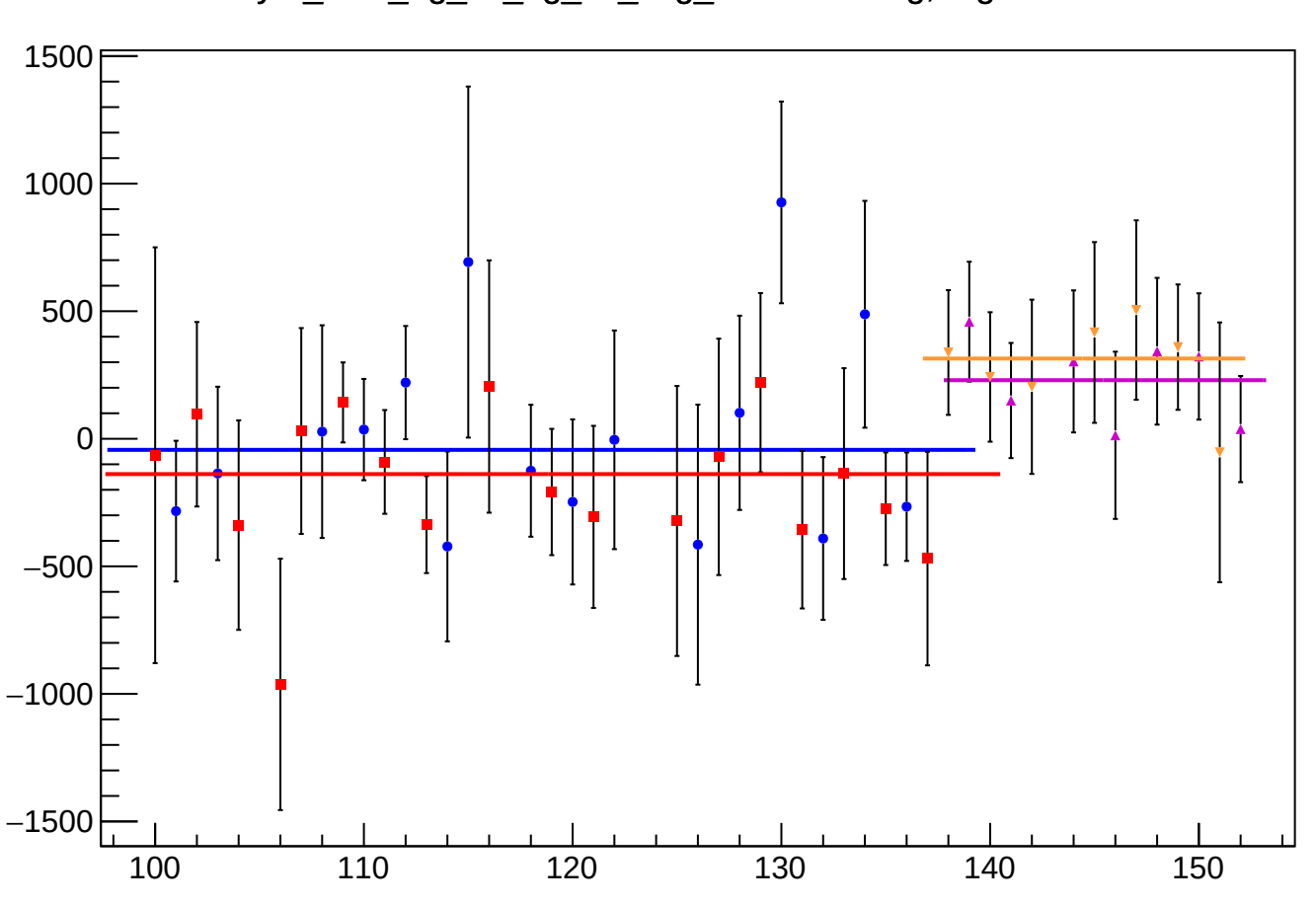
Left: 10.494+/-0.002 χ^2/NDF: 106444.6/14

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.492+/-0.002 χ^2/NDF:229575.5/22

Out: 10.511+/-0.002 χ^2/NDF:221349.5/26

All: 10.501+/-0.001 χ^2/NDF: 450968.7/49



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: 229.605+/-94.721 χ^2/NDF:2.7/6

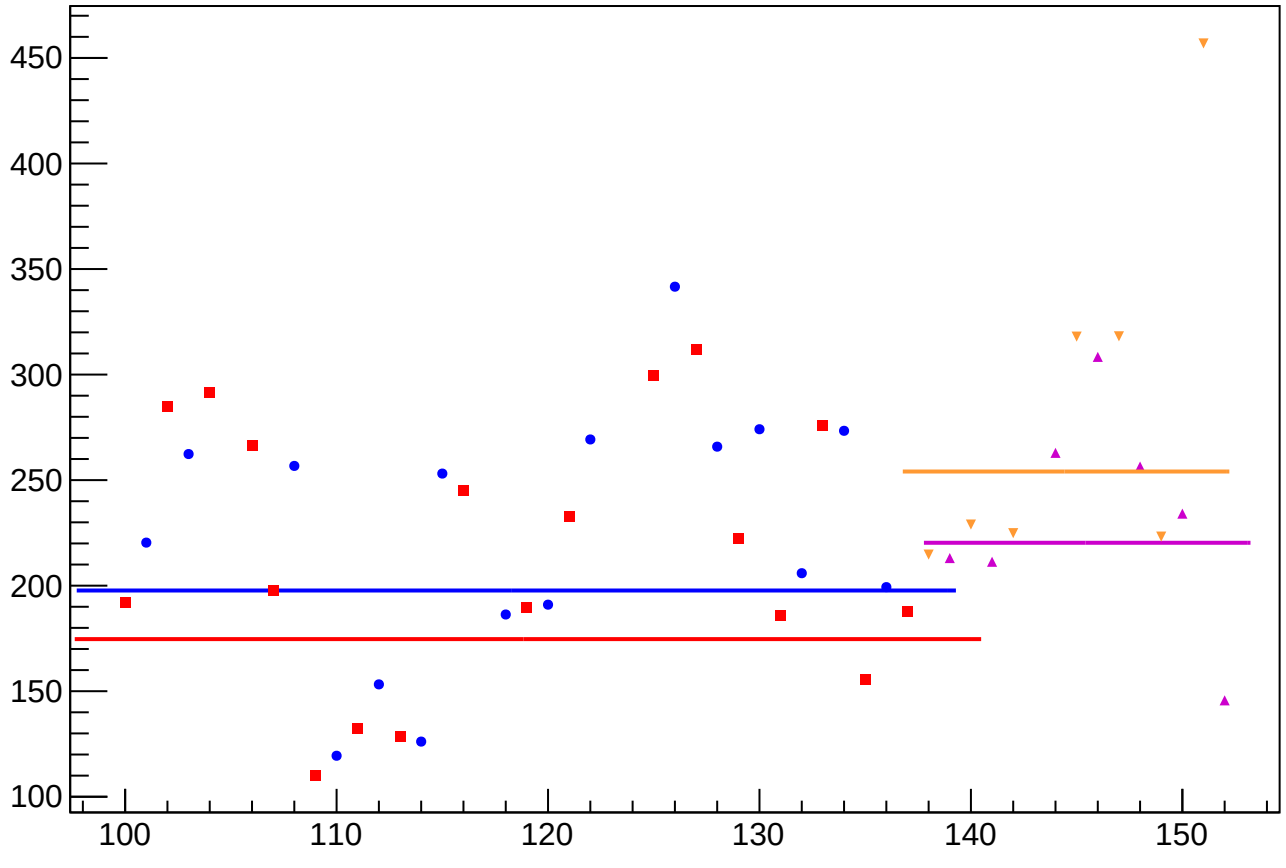
Left: 264.376+/-72.787 χ^2/NDF: 4.2/13

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 66.226+/-60.020 χ^2/NDF:23.2/22

Out: -14.454+/-59.512 χ^2/NDF:24.1/24

All: 25.543+/-42.260 χ^2/NDF: 48.2/47



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: 220.316+/-0.067 χ^2/NDF:491501.9/6

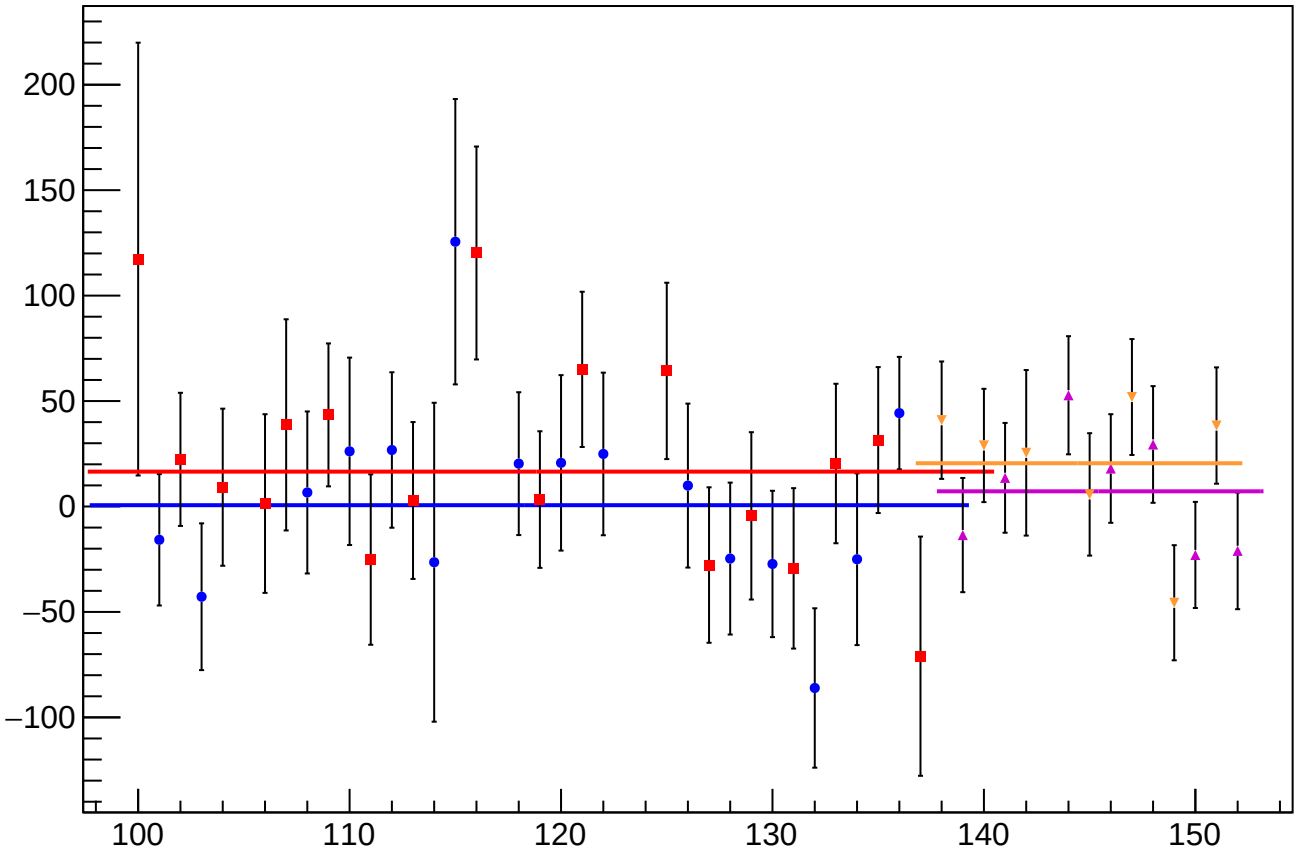
Left: 234.141+/-0.051 χ^2/NDF: 1161677.6/13

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 206.785+/-0.042 χ^2/NDF:1560019.1/22

Out: 196.414+/-0.042 χ^2/NDF:2808618.3/24

All: 201.555+/-0.030 χ^2/NDF: 4398749.6/47



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: 7.199+/-10.094 χ^2/NDF:6.6/6

Left: 13.372+/-7.391 χ^2/NDF: 15.9/13

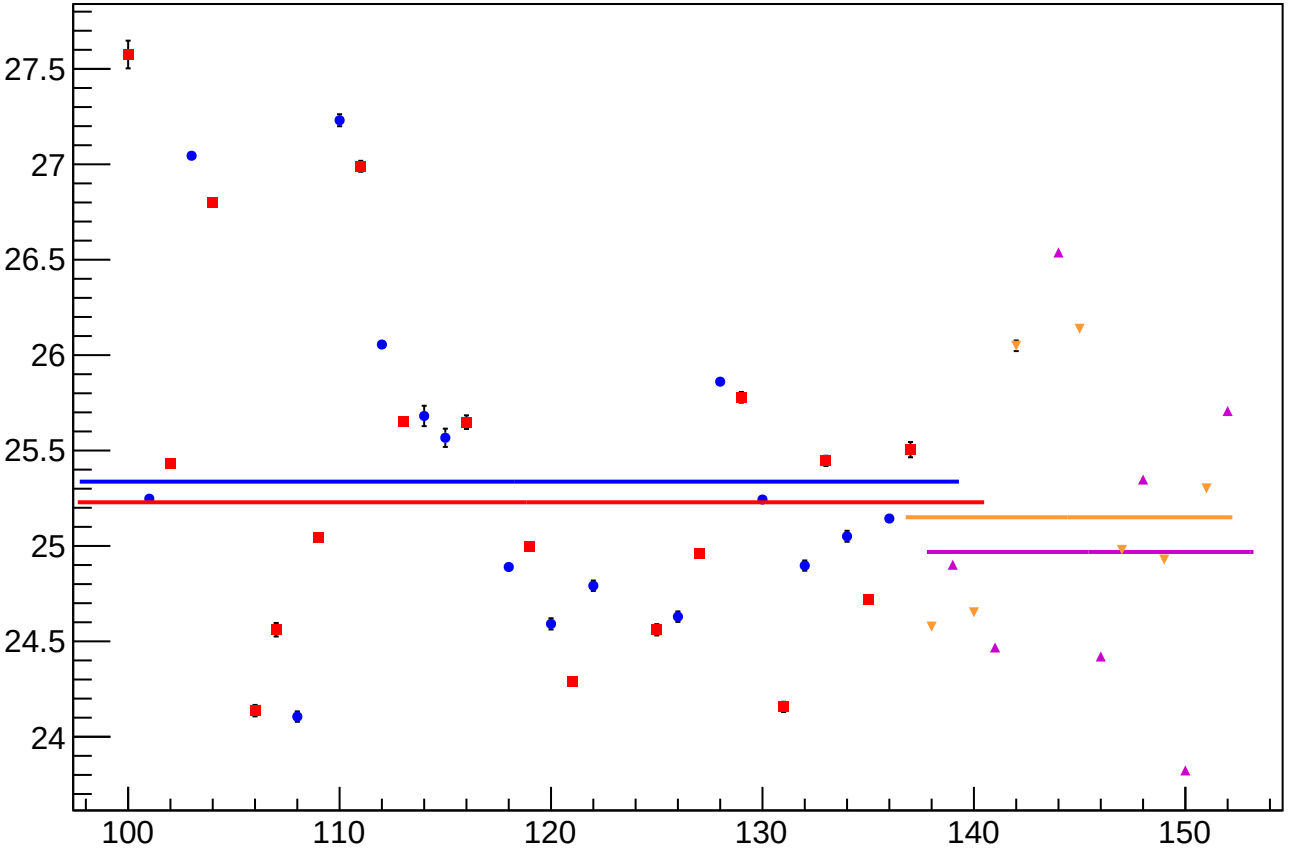
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 3.683+/-6.888 χ^2/NDF:23.6/22

Out: 18.217+/-7.065 χ^2/NDF:25.0/24

All: 10.766+/-4.932 χ^2/NDF: 50.7/47

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: 24.968+/-0.007 χ^2/NDF:13879.3/6

Left: 25.053+/-0.005 χ^2/NDF: 19350.5/13

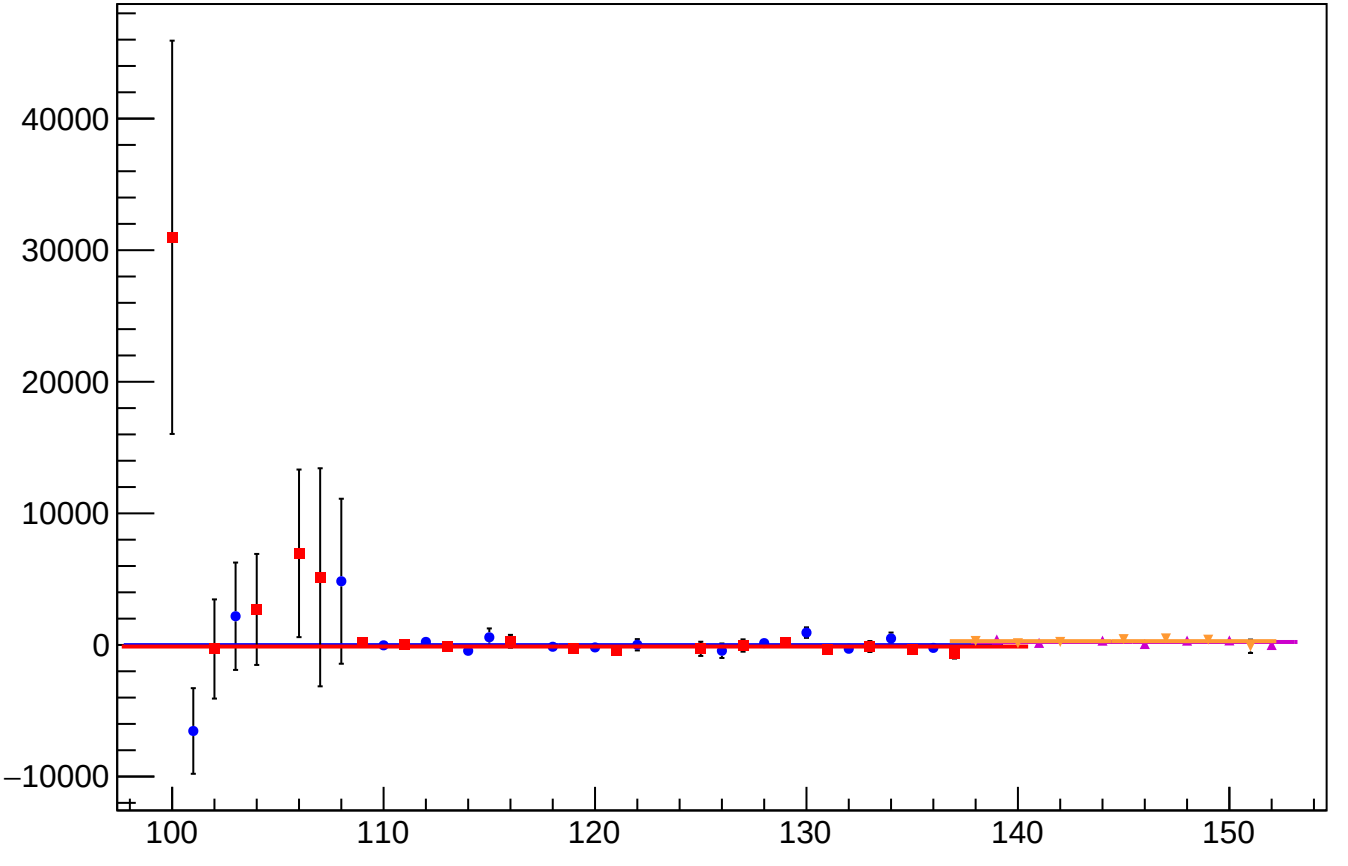
Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.165+/-0.005 χ^2/NDF:29619.5/22

Out: 25.196+/-0.005 χ^2/NDF:20406.3/24

All: 25.180+/-0.003 χ^2/NDF: 50044.4/47

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 289.195+/-114.325 χ^2/NDF:1.7/6

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 226.123+/-95.530 χ^2/NDF:2.6/6

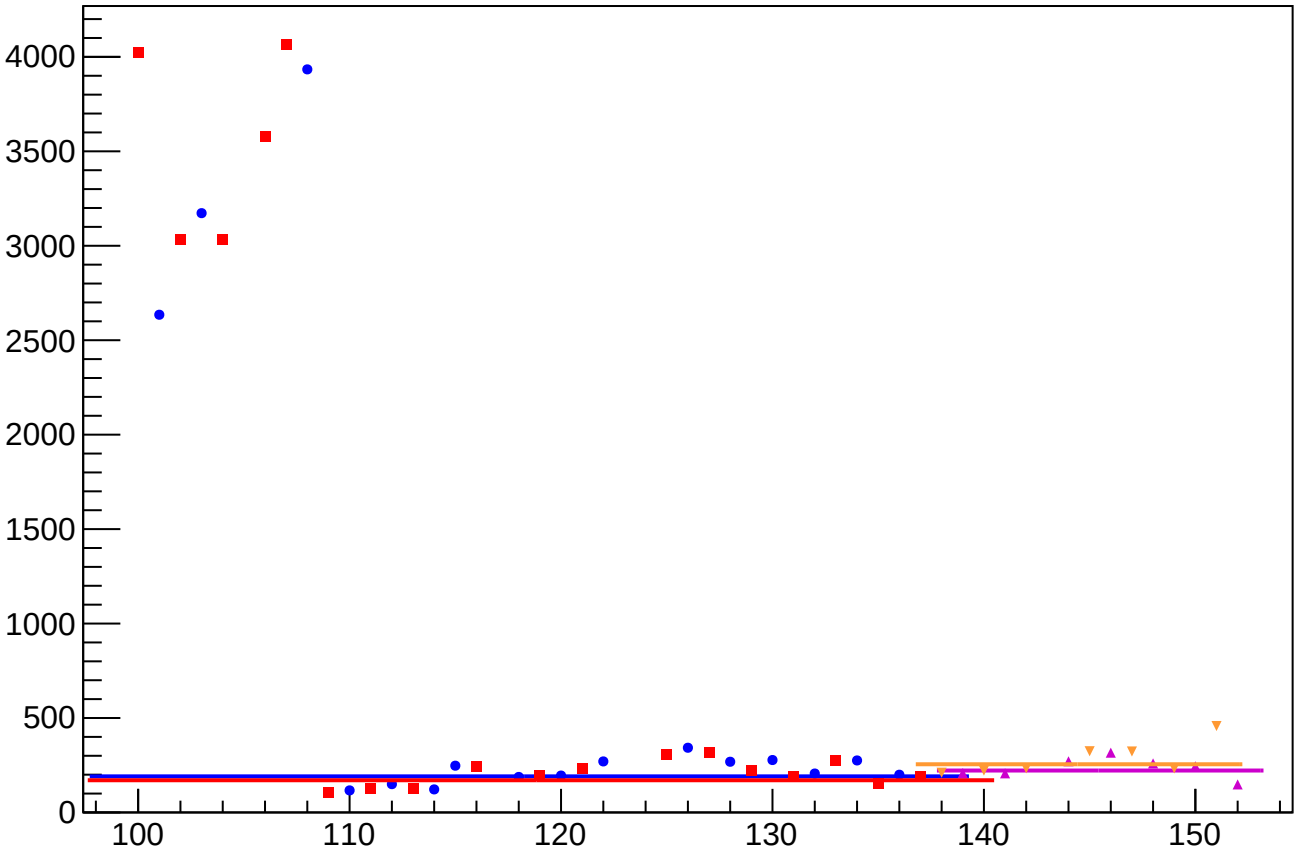
Left: 252.055+/-73.306 χ^2/NDF: 4.5/13

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 91.812+/-63.273 χ^2/NDF:24.5/22

Out: 10.547+/-64.571 χ^2/NDF:24.8/24

All: 52.005+/-45.193 χ^2/NDF: 50.1/47



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: 221.971+/-0.068 χ^2/NDF:524890.2/6

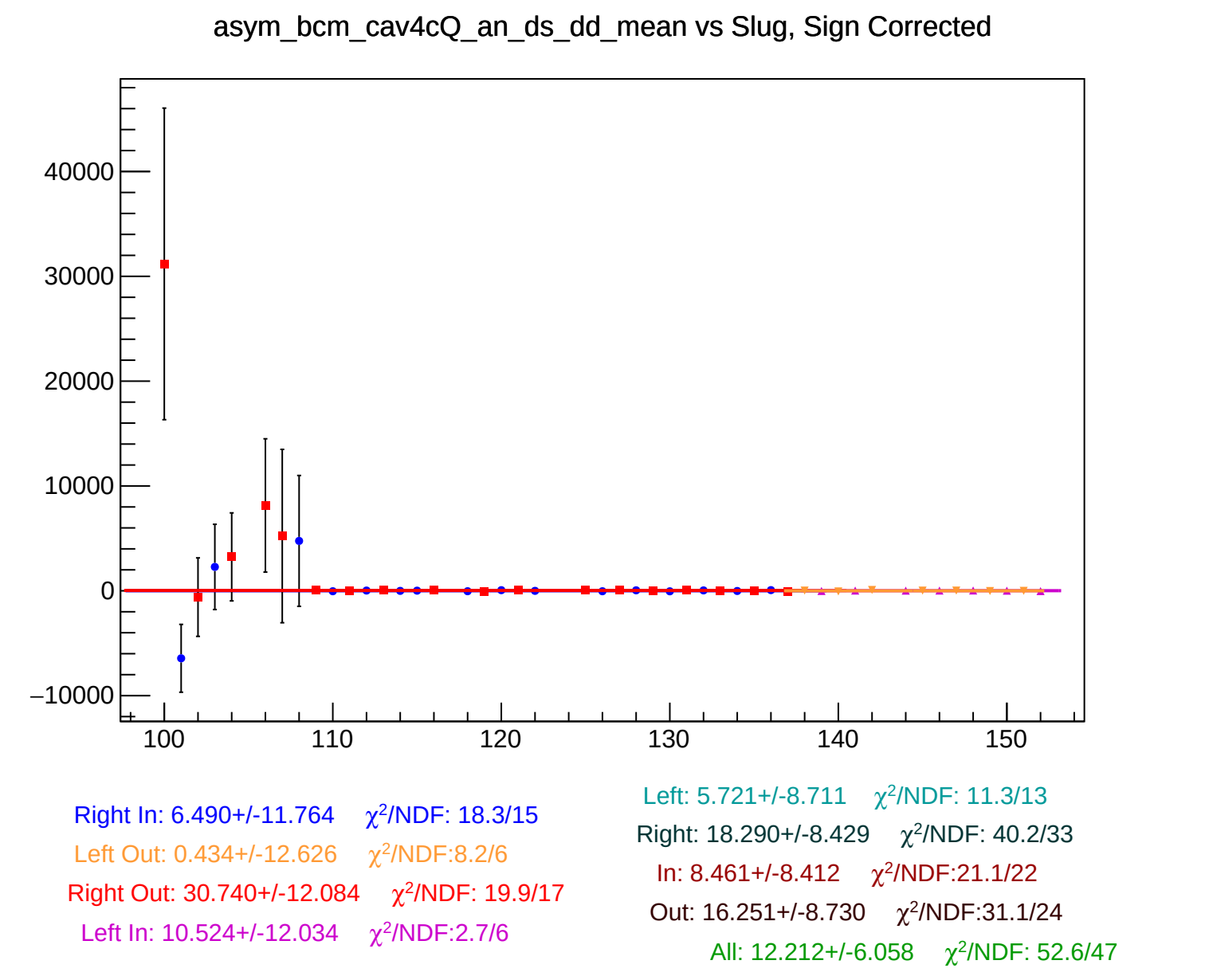
Left: 235.604+/-0.052 χ^2/NDF: 1214392.0/13

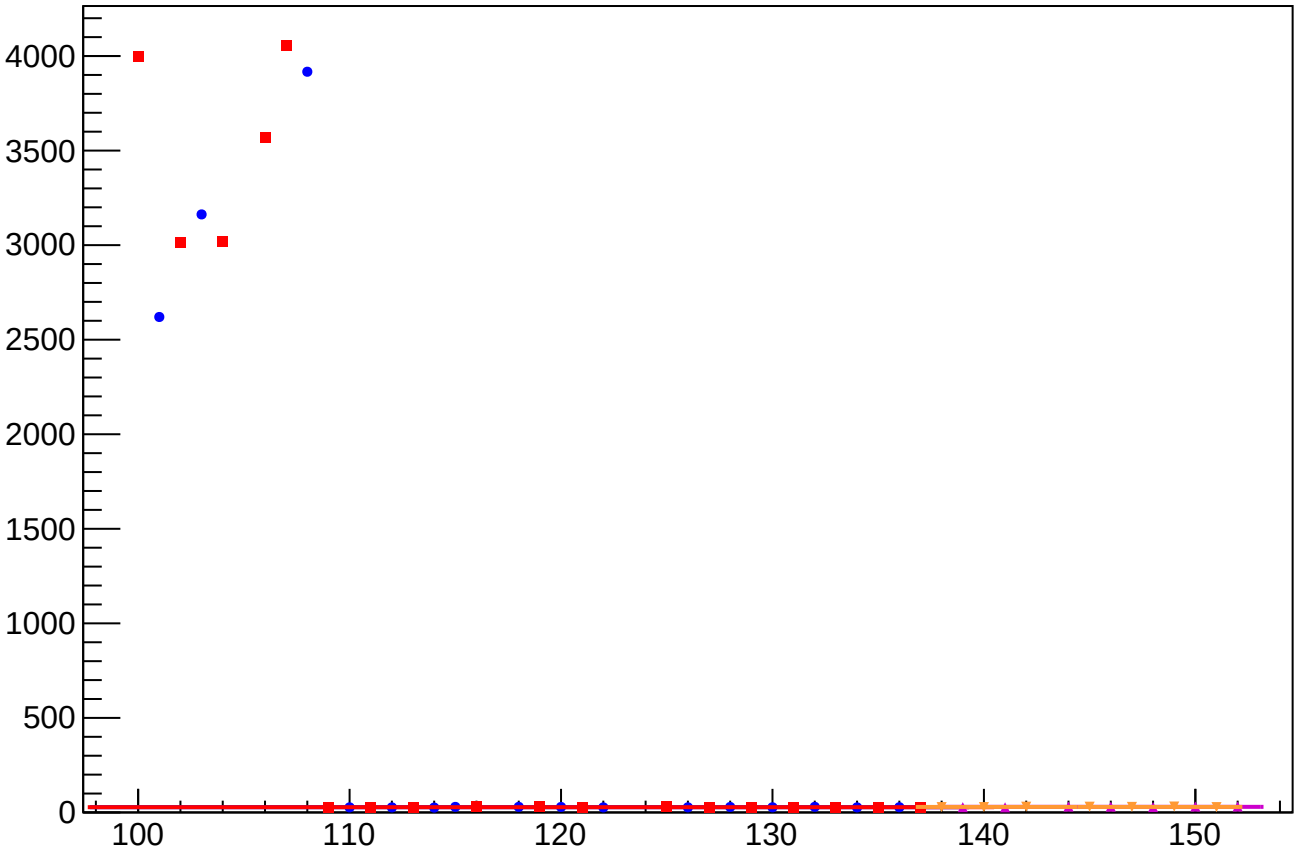
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 204.626+/-0.045 χ^2/NDF:4476303.4/22

Out: 197.493+/-0.046 χ^2/NDF:5591714.6/24

All: 201.132+/-0.032 χ^2/NDF: 10080466.8/47


asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: 6.490+/-11.764 χ²/NDF: 18.3/15
Left Out: 0.434+/-12.626 χ²/NDF:8.2/6
Right Out: 30.740+/-12.084 χ²/NDF: 19.9/17
Left In: 10.524+/-12.034 χ²/NDF:2.7/6
Left: 5.721+/-8.711 χ²/NDF: 11.3/13
Right: 18.290+/-8.429 χ²/NDF: 40.2/33
In: 8.461+/-8.412 χ²/NDF:21.1/22
Out: 16.251+/-8.730 χ²/NDF:31.1/24
All: 12.212+/-6.058 χ²/NDF: 52.6/47



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: 29.679+/-0.009 χ^2/NDF:40158.3/6

Left: 29.450+/-0.006 χ^2/NDF: 58105.6/13

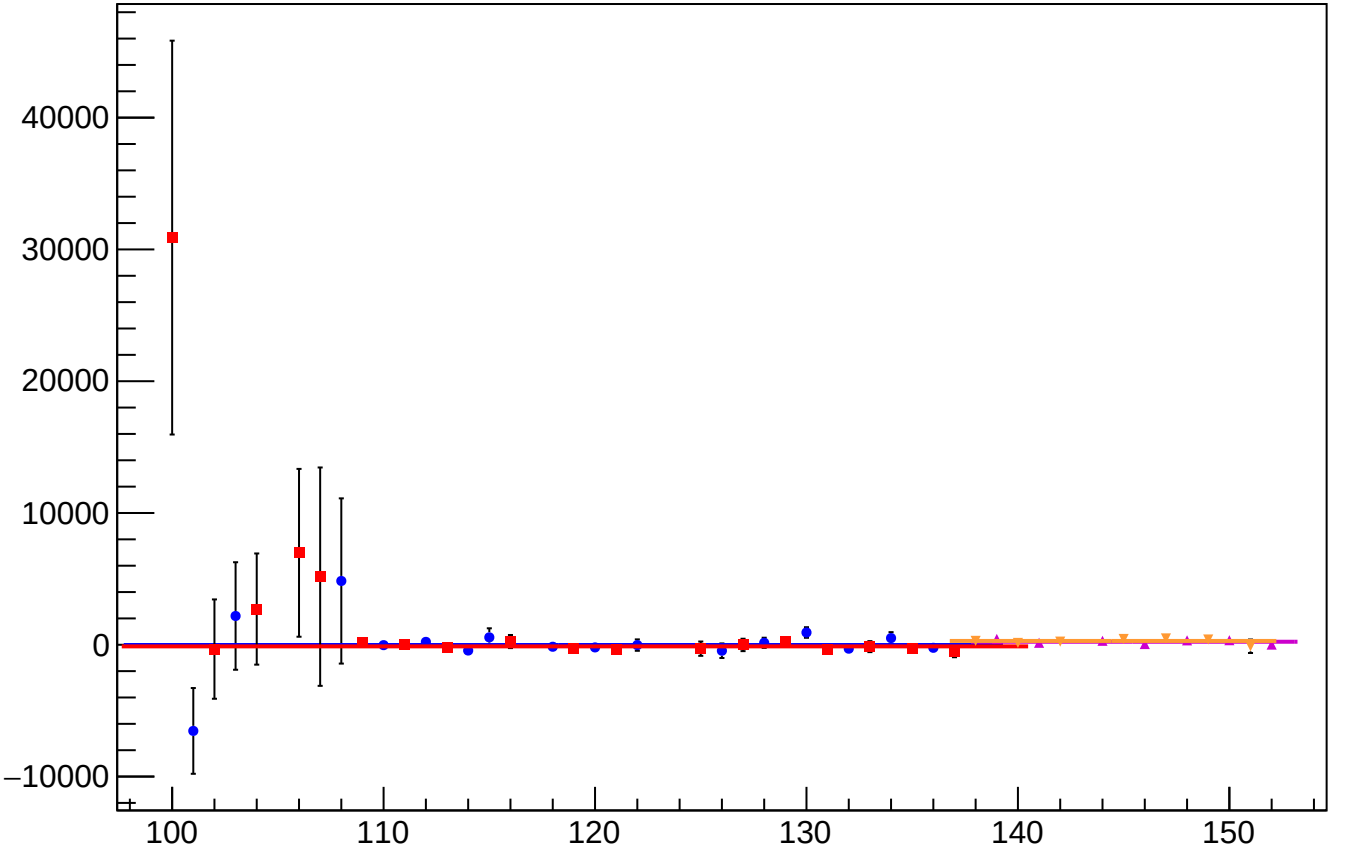
Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.731+/-0.006 χ^2/NDF:3330322.4/22

Out: 28.457+/-0.006 χ^2/NDF:3588027.7/24

All: 28.599+/-0.004 χ^2/NDF: 6919369.5/47

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 290.335+/-114.820 χ^2/NDF:1.7/6

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 229.828+/-96.071 χ^2/NDF:2.7/6

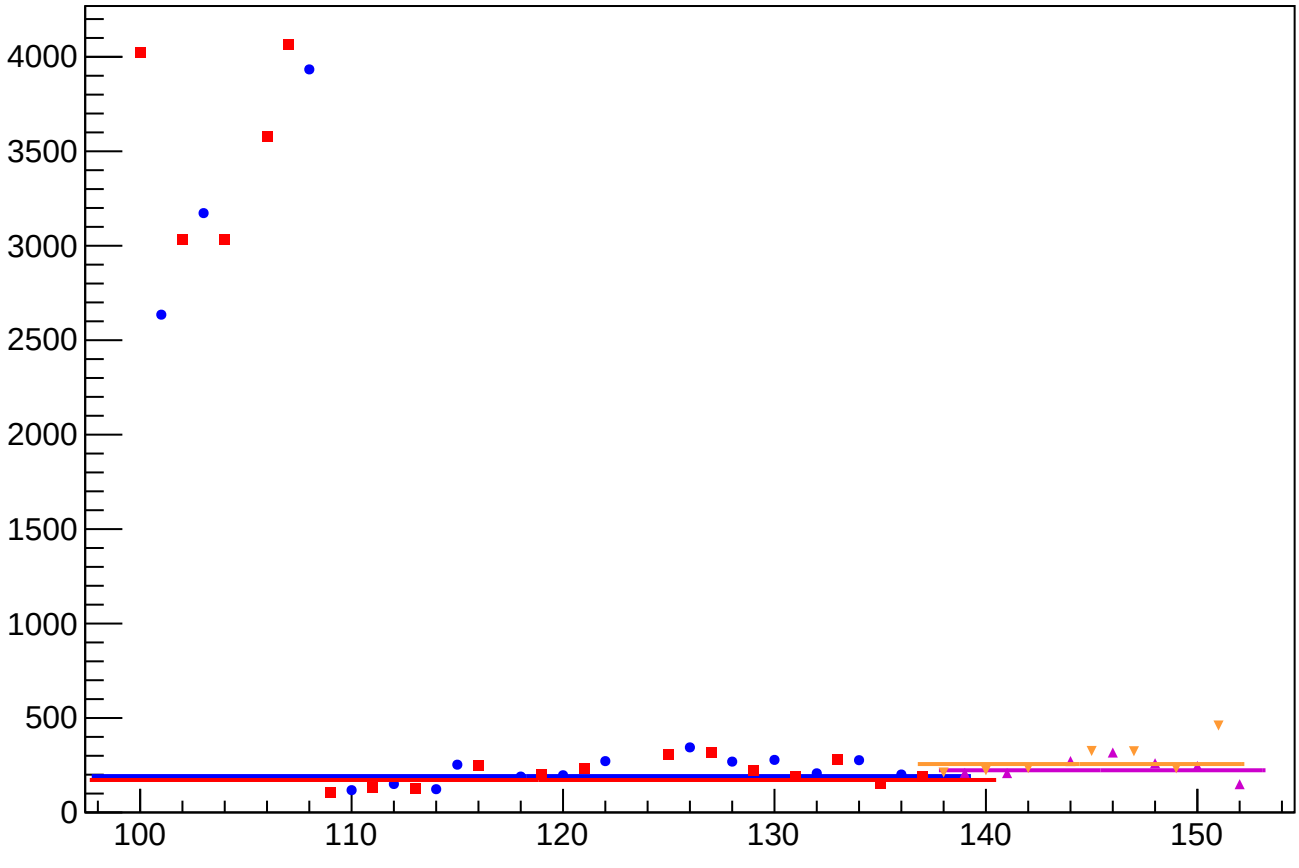
Left: 254.744+/-73.681 χ^2/NDF: 4.5/13

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 90.056+/-63.686 χ^2/NDF:24.7/22

Out: 10.435+/-64.996 χ^2/NDF:23.6/24

All: 51.055+/-45.489 χ^2/NDF: 49.1/47



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: 223.313+/-0.068 χ^2/NDF:518088.5/6

Left: 236.869+/-0.052 χ^2/NDF: 1205504.6/13

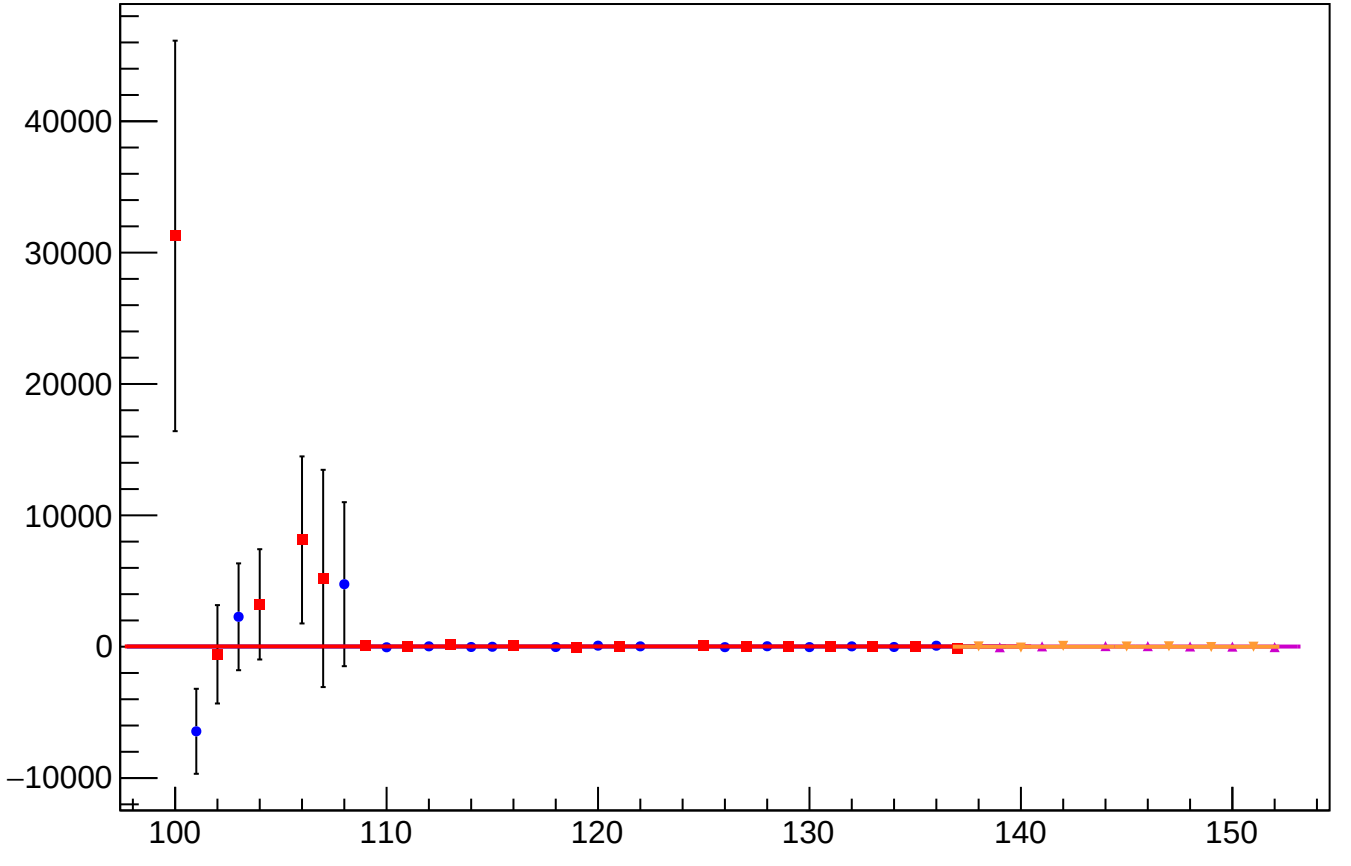
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 206.074+/-0.045 χ^2/NDF:4455753.9/22

Out: 198.922+/-0.046 χ^2/NDF:5571746.2/24

All: 202.571+/-0.032 χ^2/NDF: 10039855.5/47

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: 0.326+/-13.746 χ^2/NDF:7.3/6

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 11.151+/-13.035 χ^2/NDF:5.8/6

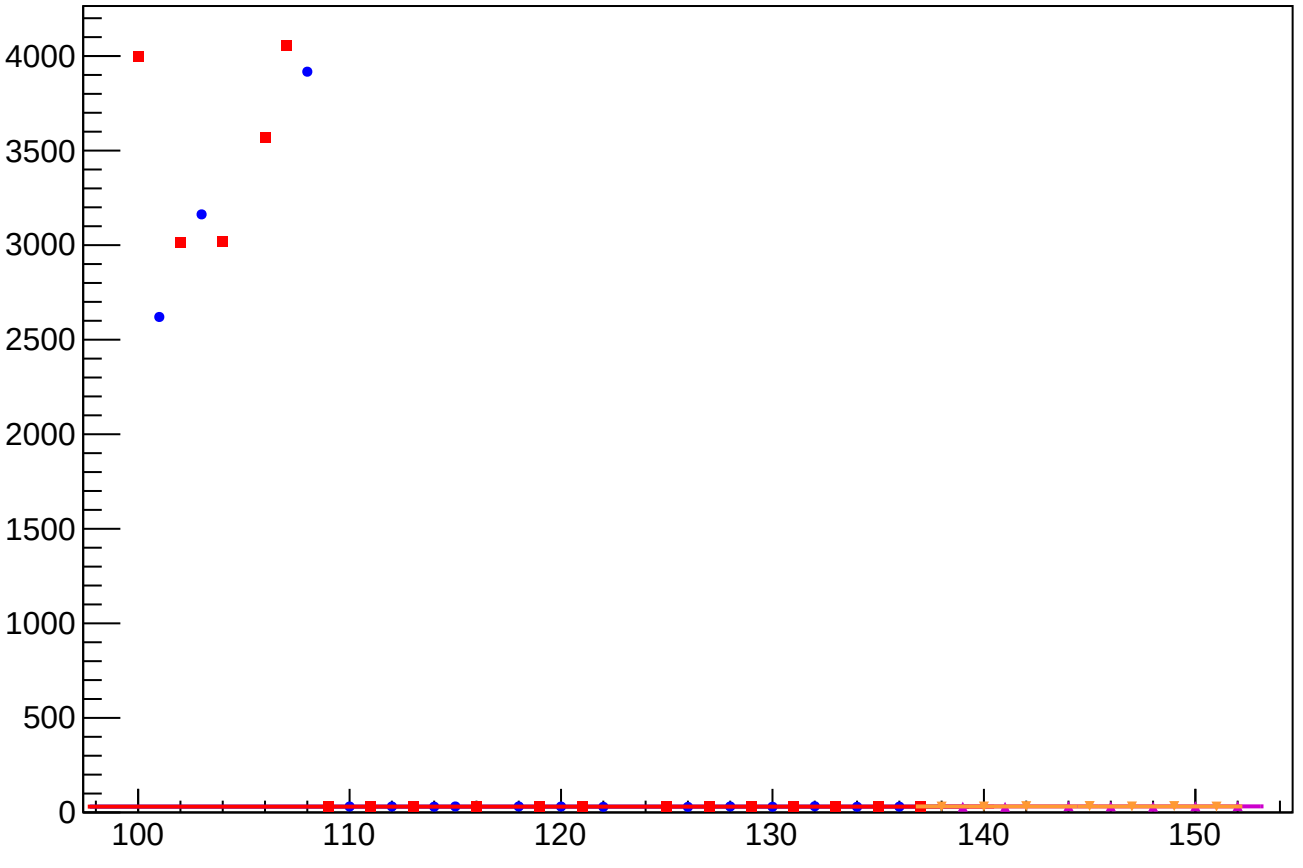
Left: 6.026+/-9.458 χ^2/NDF: 13.4/13

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 12.429+/-9.227 χ^2/NDF:21.3/22

Out: 11.406+/-9.589 χ^2/NDF:36.9/24

All: 11.937+/-6.649 χ^2/NDF: 58.2/47



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: 32.158+/-0.009 χ^2/NDF:28224.9/6

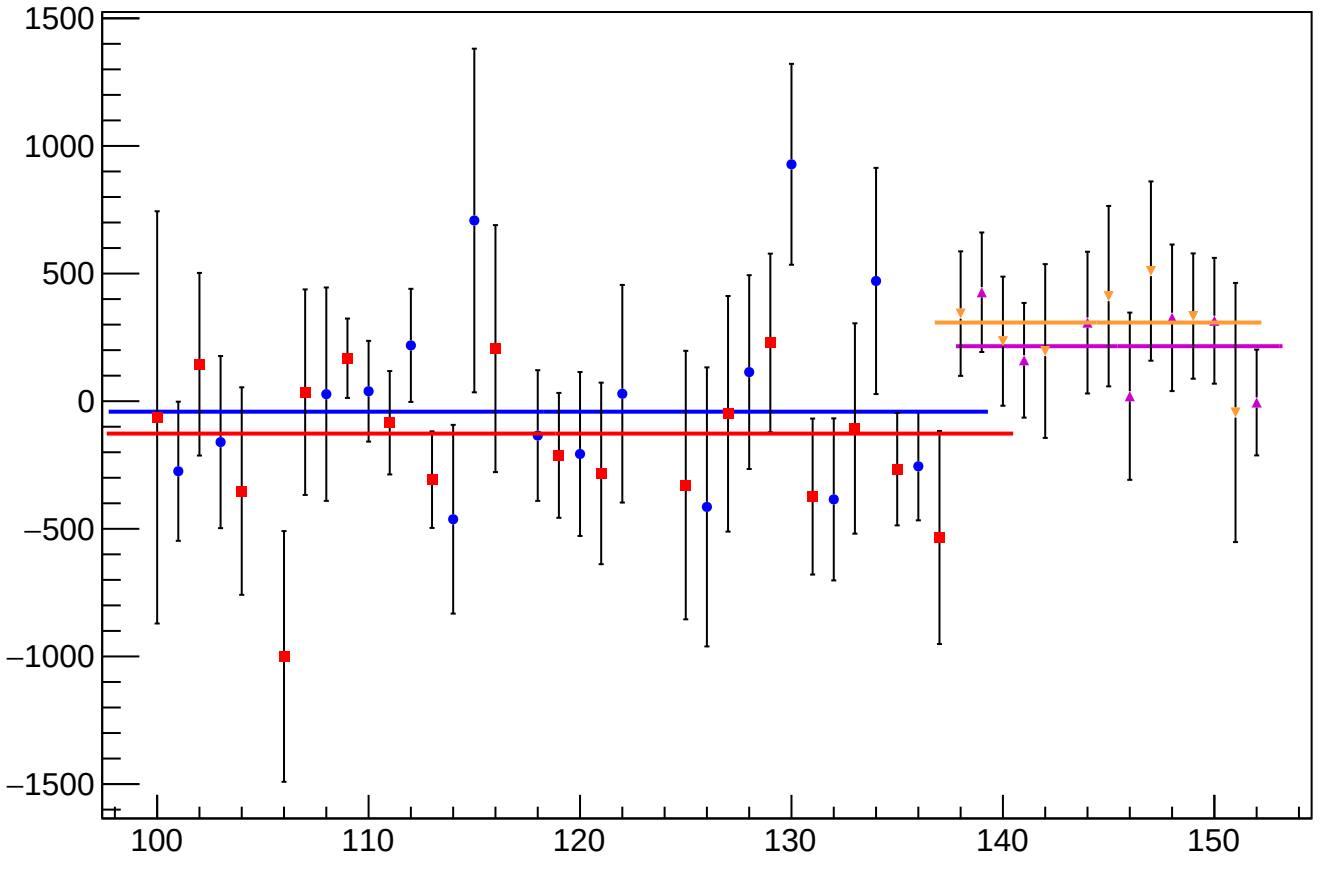
Left: 31.989+/-0.007 χ^2/NDF: 43962.7/13

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.544+/-0.007 χ^2/NDF:3289706.7/22

Out: 31.290+/-0.007 χ^2/NDF:3556412.0/24

All: 31.422+/-0.005 χ^2/NDF: 6846849.4/47



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: 215.395+/-94.396 χ^2/NDF:2.8/6

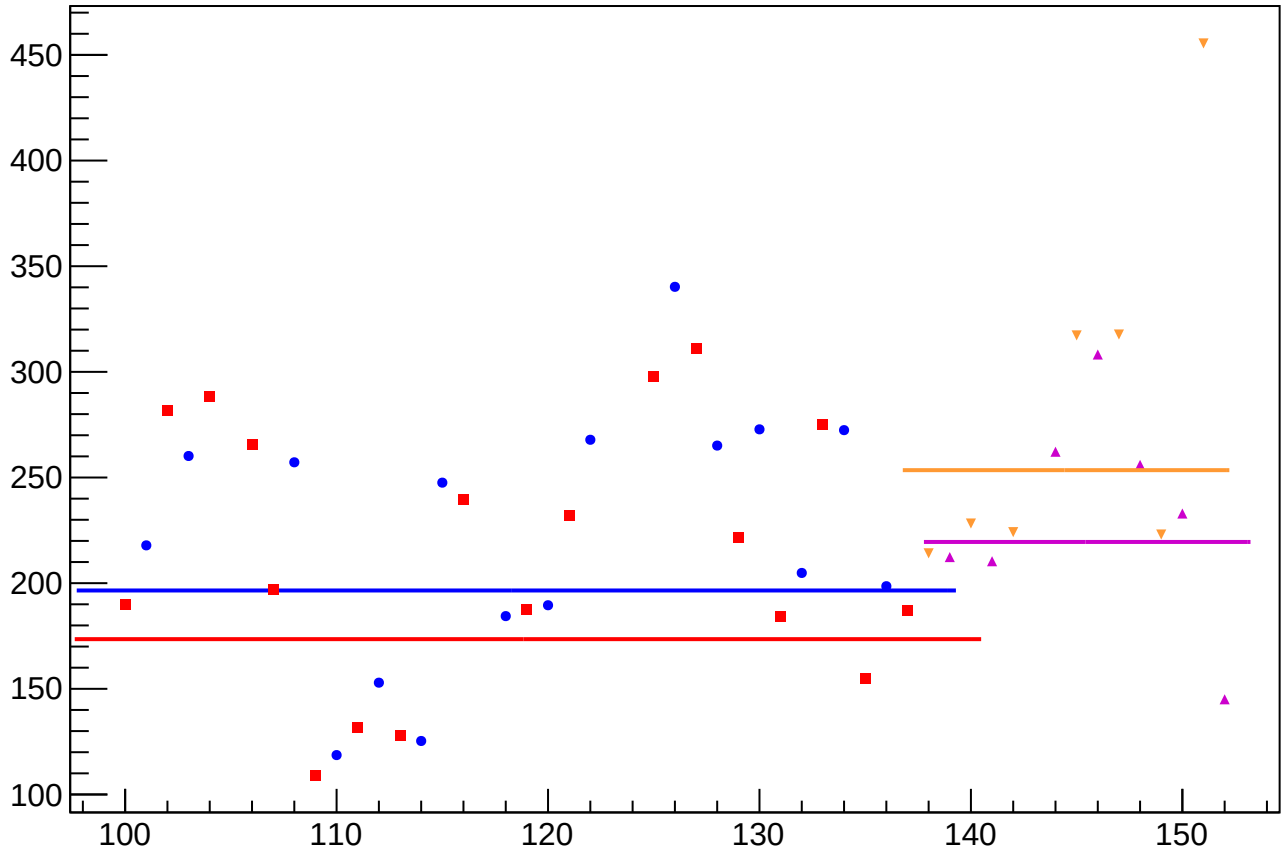
Left: 253.332+/-72.571 χ^2/NDF: 4.3/13

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 61.592+/-59.732 χ^2/NDF:22.8/22

Out: -8.515+/-59.195 χ^2/NDF:24.6/24

All: 26.222+/-42.046 χ^2/NDF: 48.1/47



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: 219.507+/-0.067 χ^2/NDF:495561.7/6

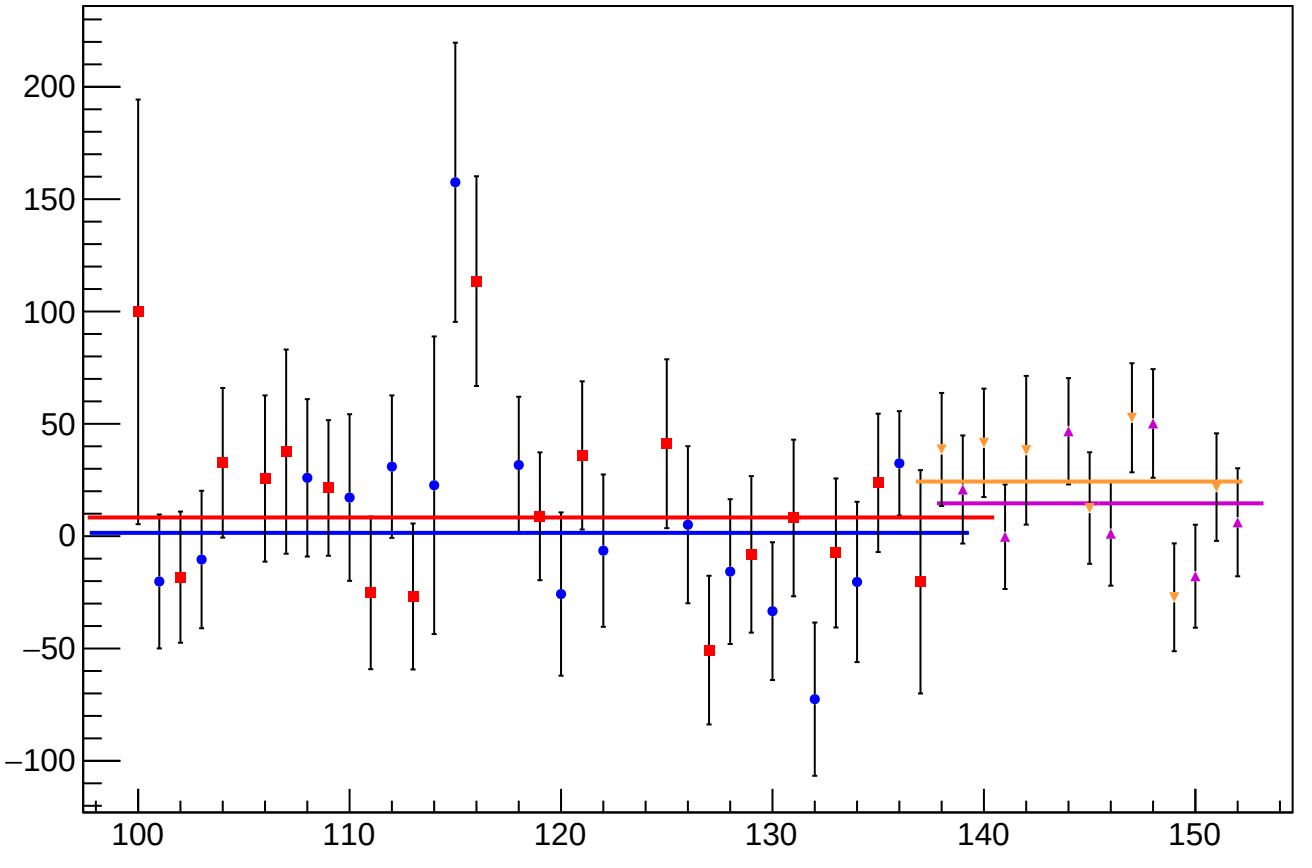
Left: 233.401+/-0.051 χ^2/NDF: 1167618.7/13

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 205.737+/-0.042 χ^2/NDF:1567308.4/22

Out: 195.270+/-0.042 χ^2/NDF:2821834.1/24

All: 200.456+/-0.030 χ^2/NDF: 4420129.0/47



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: 14.607+/-8.919 χ^2/NDF:6.9/6

Left: 19.145+/-6.511 χ^2/NDF: 14.7/13

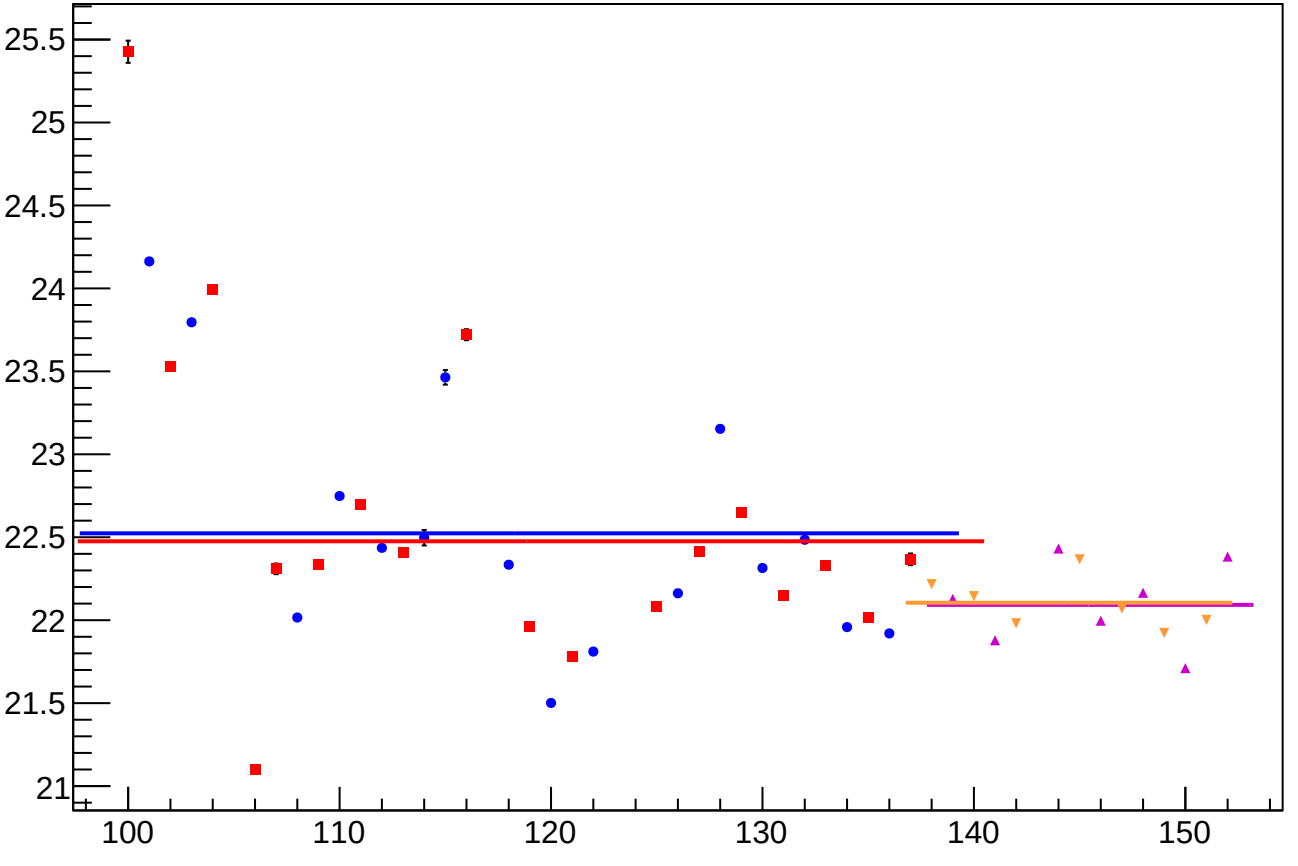
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 7.625+/-6.104 χ^2/NDF:26.8/22

Out: 15.216+/-6.252 χ^2/NDF:24.9/24

All: 11.329+/-4.368 χ^2/NDF: 52.4/47

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: 22.092+/-0.006 χ^2/NDF:1483.9/6

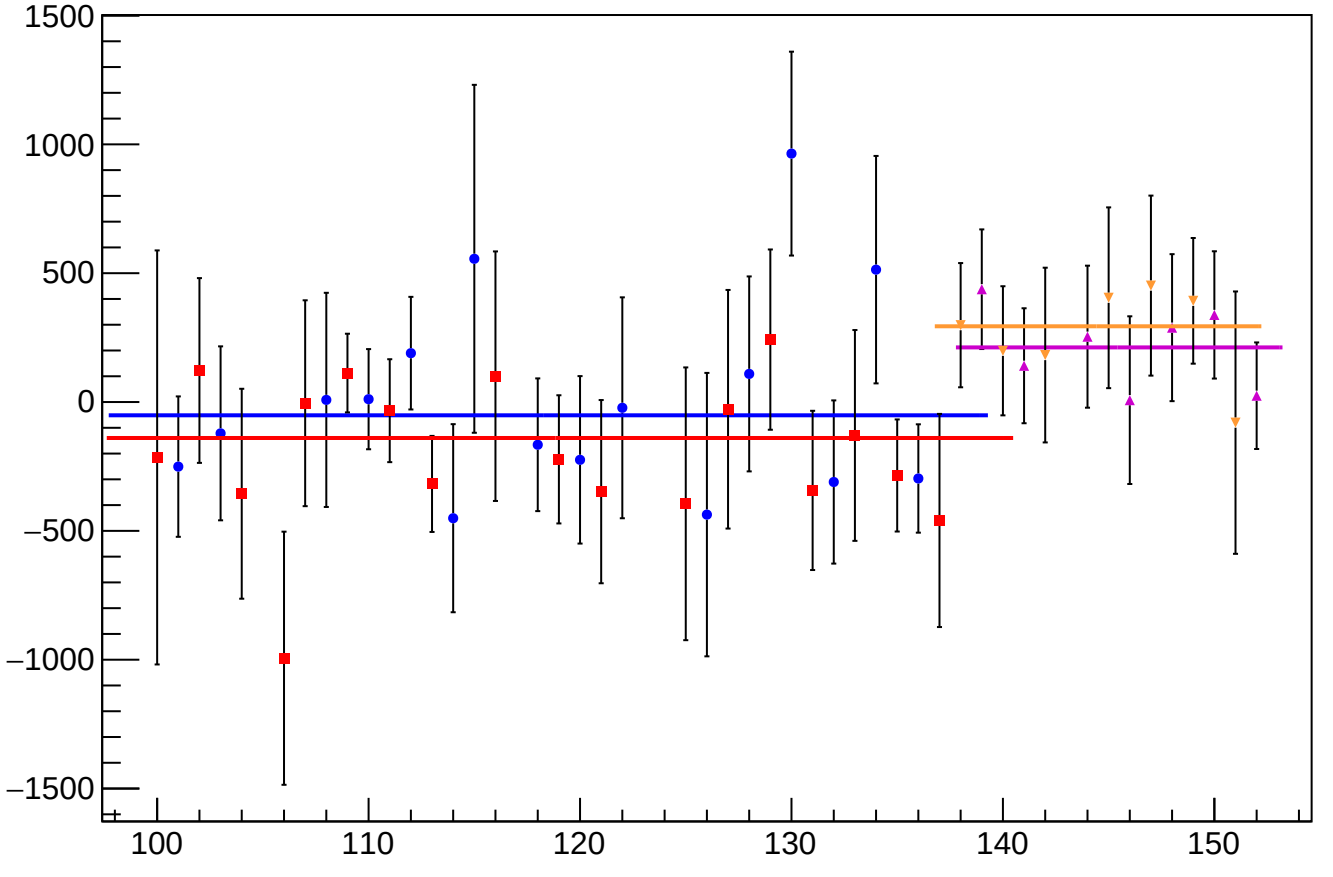
Left: 22.098+/-0.005 χ^2/NDF: 1937.8/13

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.322+/-0.004 χ^2/NDF:19917.4/22

Out: 22.316+/-0.004 χ^2/NDF:17709.4/24

All: 22.319+/-0.003 χ^2/NDF: 37627.6/47



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: 211.977+/-93.936 χ^2/NDF:2.6/6

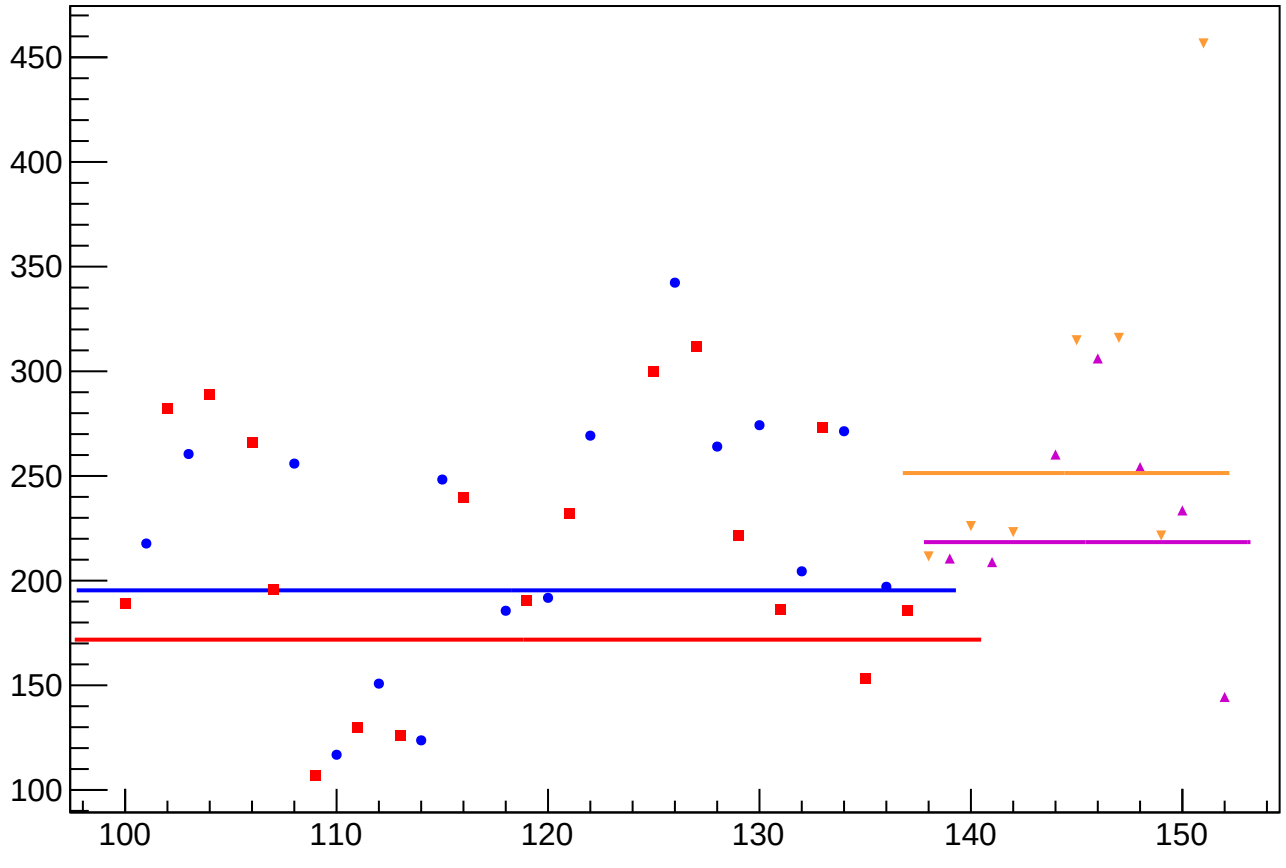
Left: 245.603+/-72.138 χ^2/NDF: 4.2/13

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 54.060+/-59.457 χ^2/NDF:22.7/22

Out: -21.522+/-58.767 χ^2/NDF:23.6/24

All: 15.828+/-41.796 χ^2/NDF: 47.1/47



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: 218.402+/-0.066 χ^2/NDF:492463.7/6

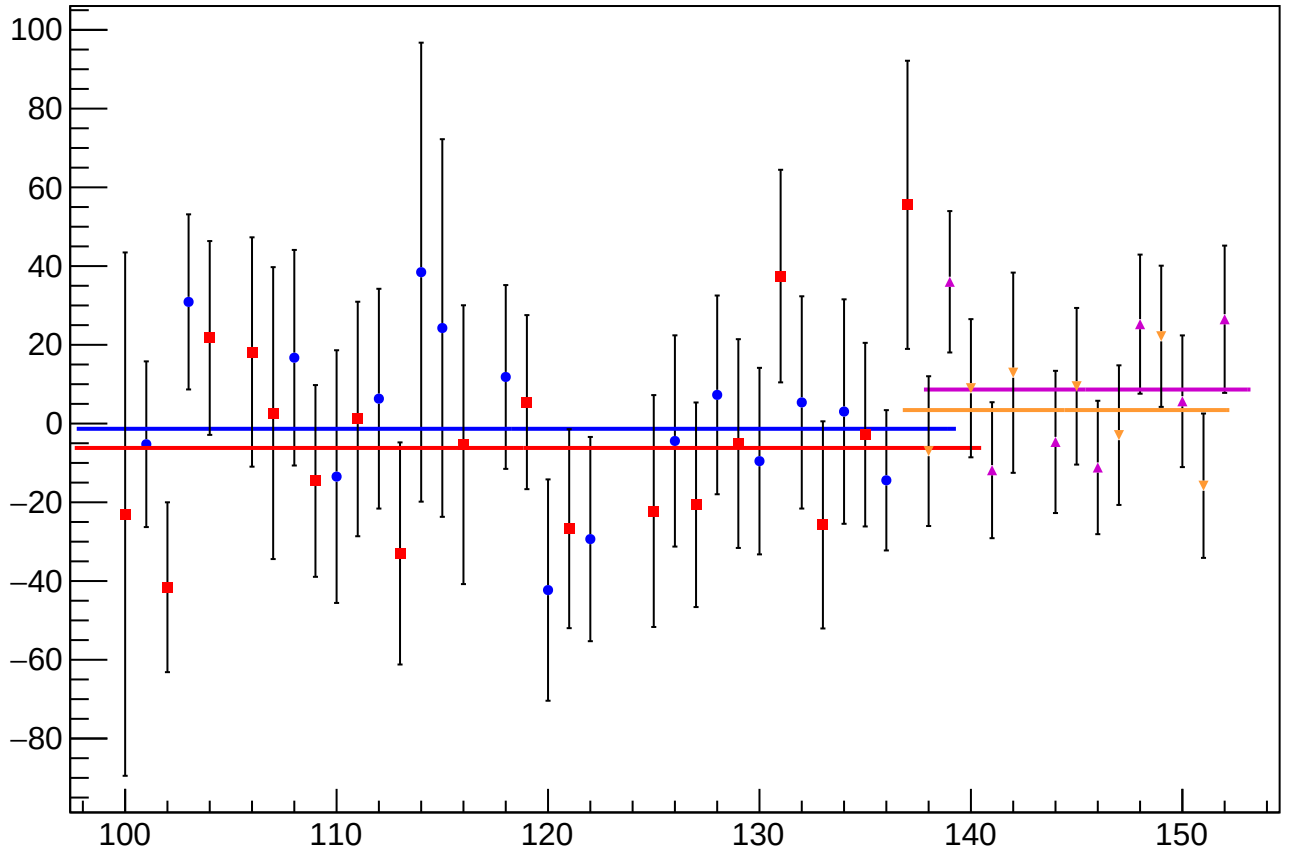
Left: 231.939+/-0.051 χ^2/NDF: 1171365.0/13

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

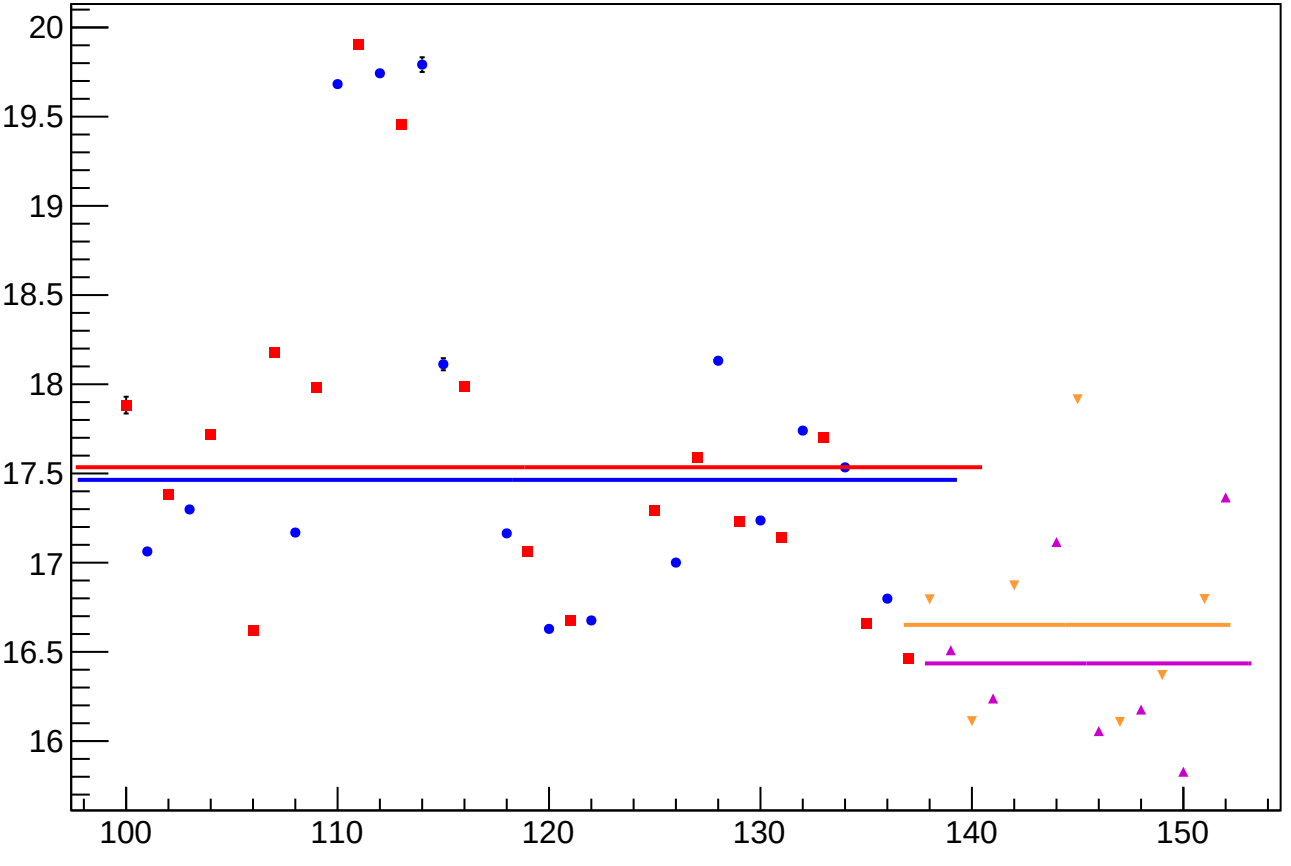
In: 204.592+/-0.042 χ^2/NDF:1606017.8/22

Out: 193.476+/-0.042 χ^2/NDF:2905244.2/24

All: 198.969+/-0.030 χ^2/NDF: 4546624.7/47


asym_bcm_dg_ds_an_us_dd_mean vs Slug, Sign Corrected
100
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -1.331+/-6.499 χ²/NDF: 8.0/15
Left Out: 3.427+/-7.189 χ²/NDF:3.0/6
Right Out: -6.195+/-6.473 χ²/NDF: 13.5/17
Left In: 8.643+/-6.646 χ²/NDF:7.5/6
Left: 6.239+/-4.880 χ²/NDF: 10.7/13
Right: -3.773+/-4.586 χ²/NDF: 21.8/33
In: 3.544+/-4.646 χ²/NDF:16.6/22
Out: -1.887+/-4.810 χ²/NDF:17.4/24
All: 0.922+/-3.342 χ²/NDF: 34.7/47

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: 16.435+/-0.005 χ^2/NDF:12147.0/6

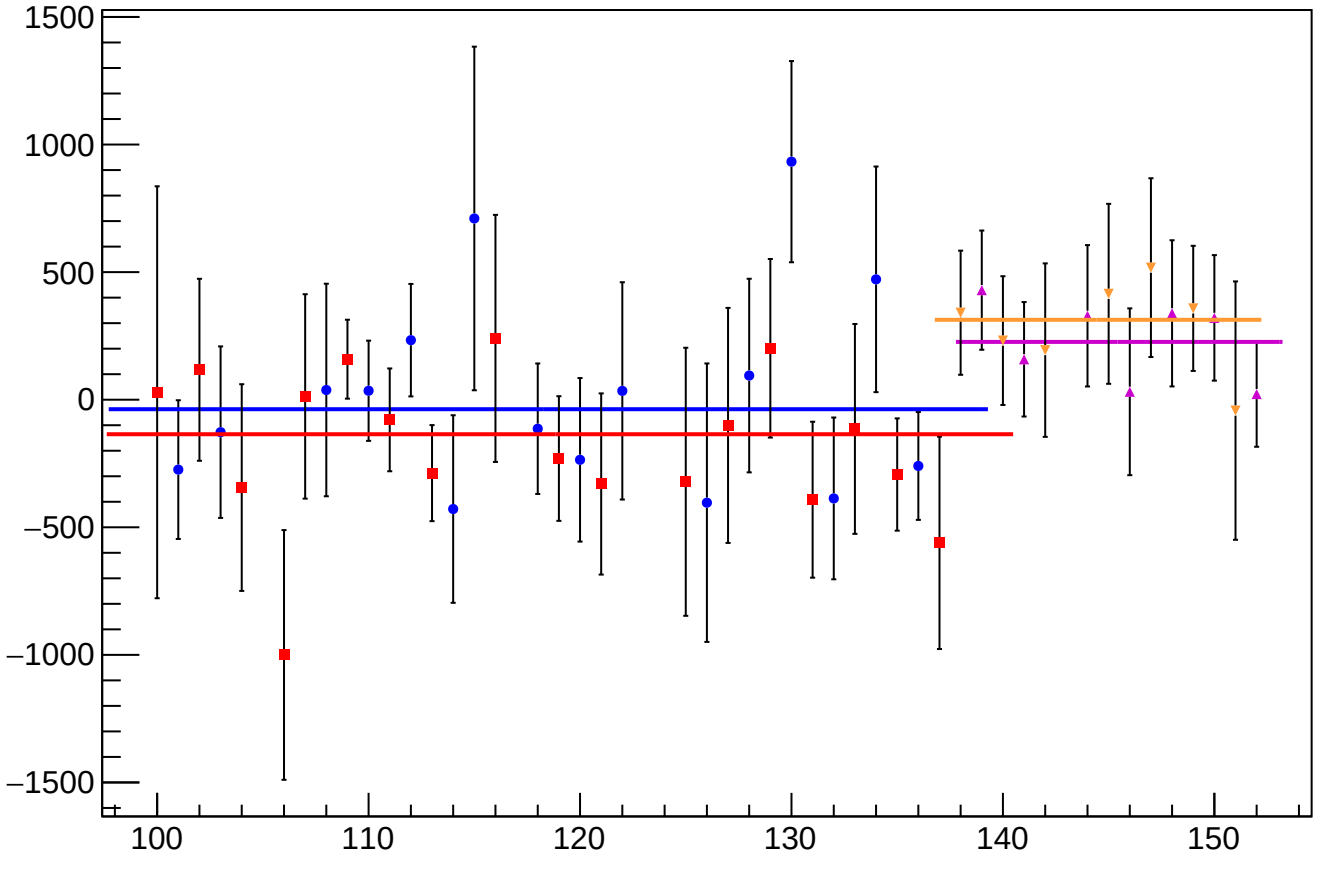
Left: 16.535+/-0.003 χ^2/NDF: 25858.4/13

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.961+/-0.003 χ^2/NDF:73304.3/22

Out: 17.139+/-0.003 χ^2/NDF:63892.8/24

All: 17.047+/-0.002 χ^2/NDF: 138617.7/47



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: 226.522+/-94.175 χ^2/NDF:2.6/6

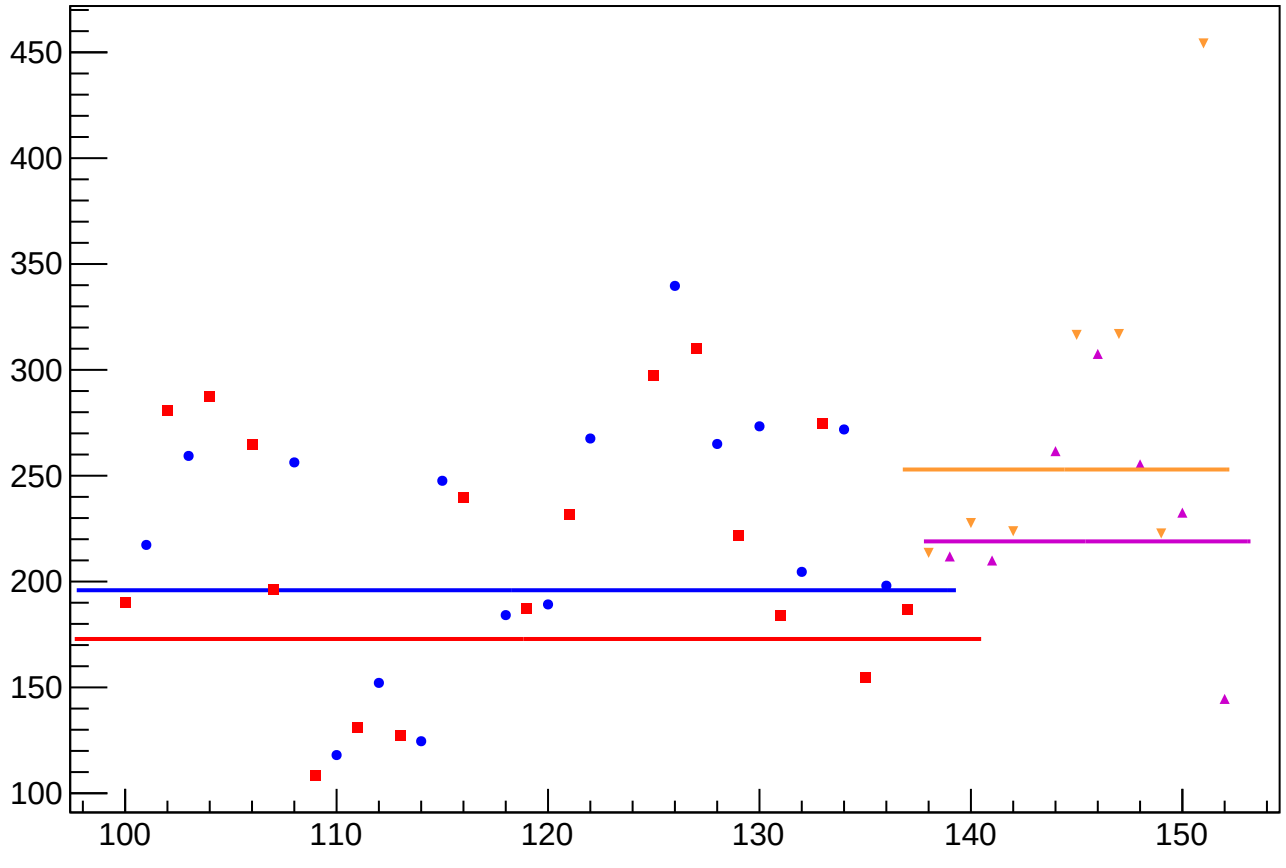
Left: 261.952+/-72.405 χ^2/NDF: 4.2/13

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 68.300+/-59.571 χ^2/NDF:23.0/22

Out: -13.440+/-59.020 χ^2/NDF:25.4/24

All: 27.050+/-41.927 χ^2/NDF: 49.3/47



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: 218.974+/-0.067 χ^2/NDF:497111.3/6

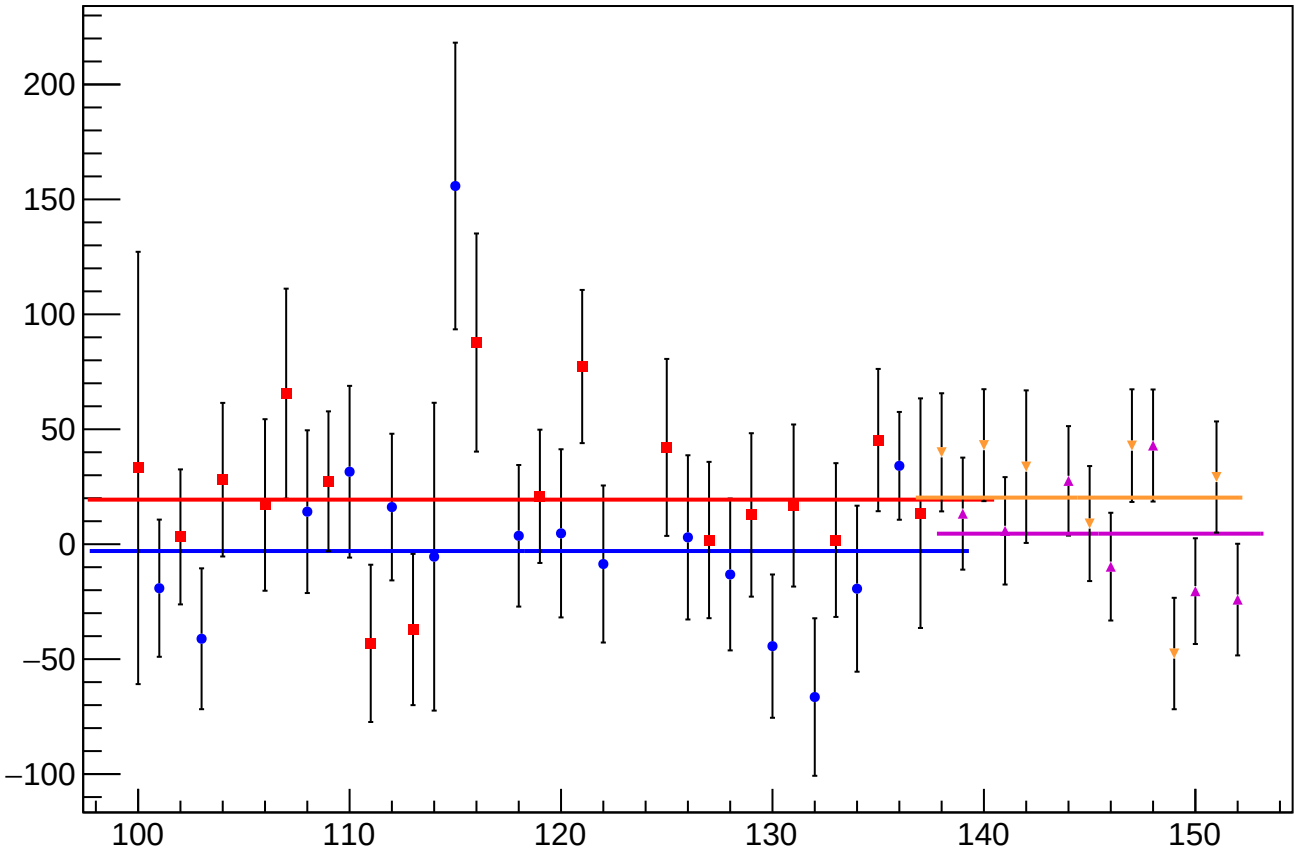
Left: 232.859+/-0.051 χ^2/NDF: 1168919.7/13

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

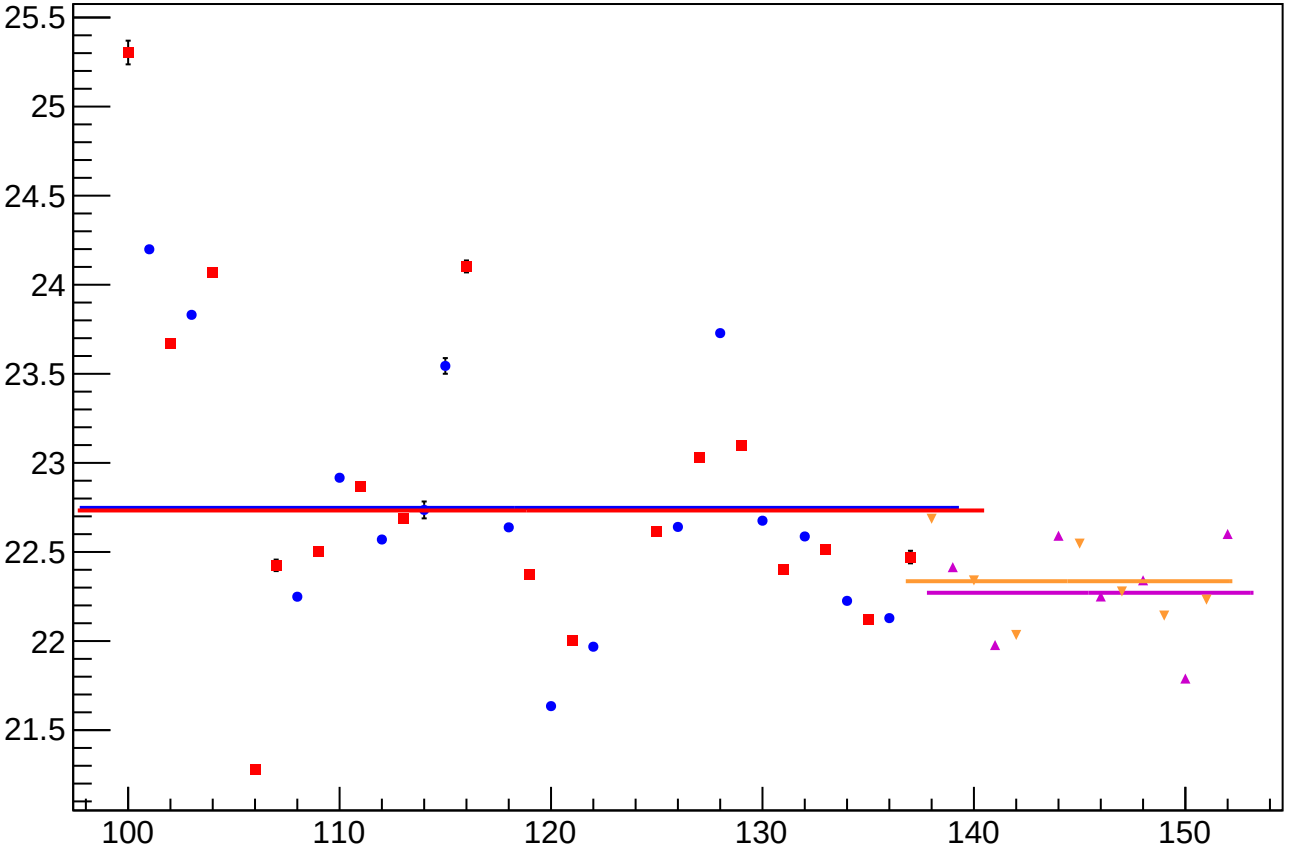
In: 205.132+/-0.042 χ^2/NDF:1580146.5/22

Out: 194.624+/-0.042 χ^2/NDF:2836930.3/24

All: 199.829+/-0.030 χ^2/NDF: 4448482.9/47


asym_bcm_dg_us_an_ds_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
Right In: -2.967+/-8.454 χ²/NDF: 17.9/15
Left Out: 20.273+/-9.629 χ²/NDF:10.7/6
Right Out: 19.387+/-8.381 χ²/NDF: 14.5/17
Left In: 4.582+/-8.992 χ²/NDF:6.5/6
Left: 11.891+/-6.572 χ²/NDF: 18.6/13
Right: 8.306+/-5.952 χ²/NDF: 36.0/33
In: 0.575+/-6.159 χ²/NDF:24.8/22
Out: 19.769+/-6.322 χ²/NDF:25.2/24
All: 9.922+/-4.412 χ²/NDF: 54.7/47

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: 22.271+/-0.006 χ^2/NDF:2009.6/6

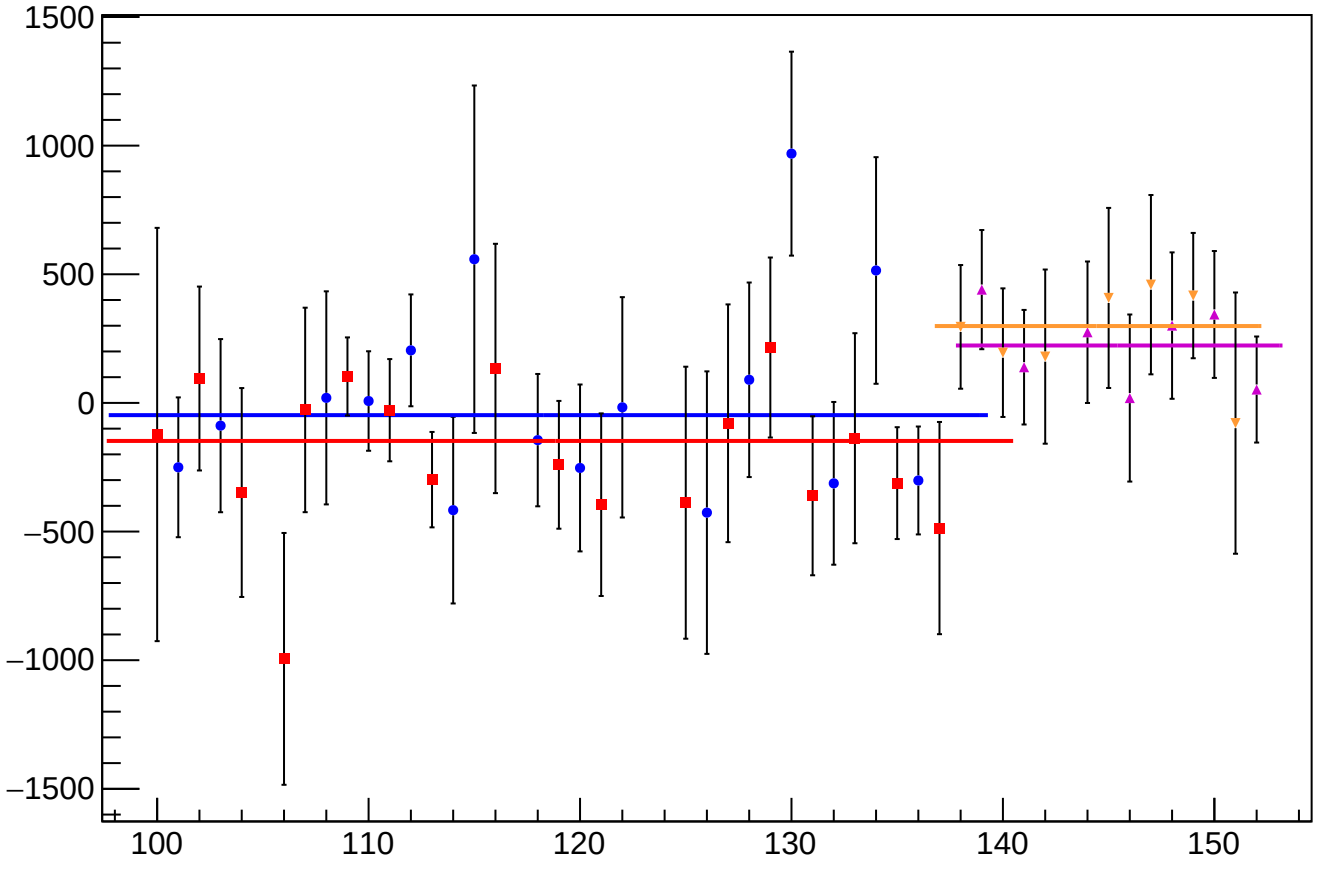
Left: 22.301+/-0.005 χ^2/NDF: 2912.4/13

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.524+/-0.004 χ^2/NDF:19613.6/22

Out: 22.562+/-0.004 χ^2/NDF:17178.9/24

All: 22.542+/-0.003 χ^2/NDF: 36829.3/47



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: 223.164+/-93.713 χ^2/NDF:2.5/6

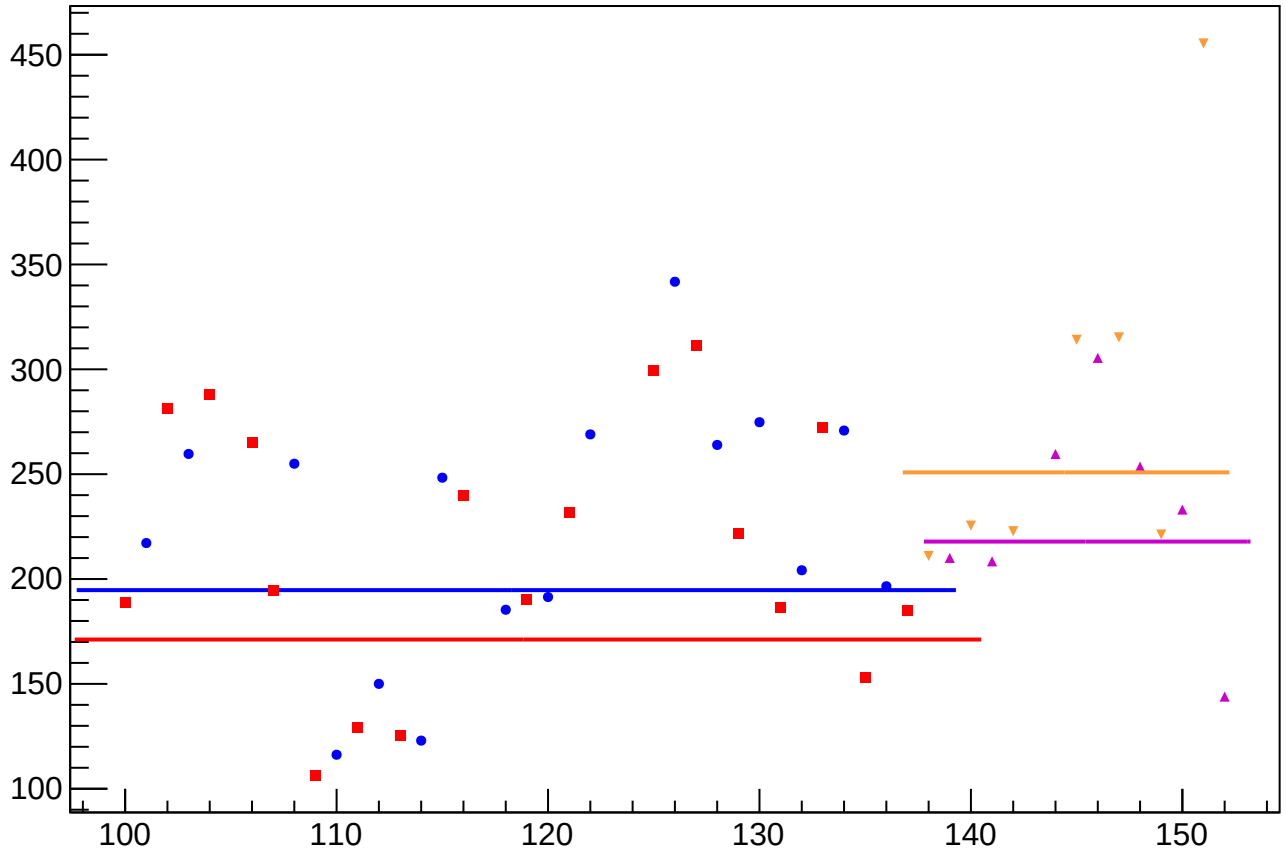
Left: 254.165+/-71.971 χ^2/NDF: 4.1/13

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 60.846+/-59.295 χ^2/NDF:22.9/22

Out: -26.426+/-58.589 χ^2/NDF:24.4/24

All: 16.688+/-41.676 χ^2/NDF: 48.4/47



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: 217.863+/-0.066 χ^2/NDF:494113.5/6

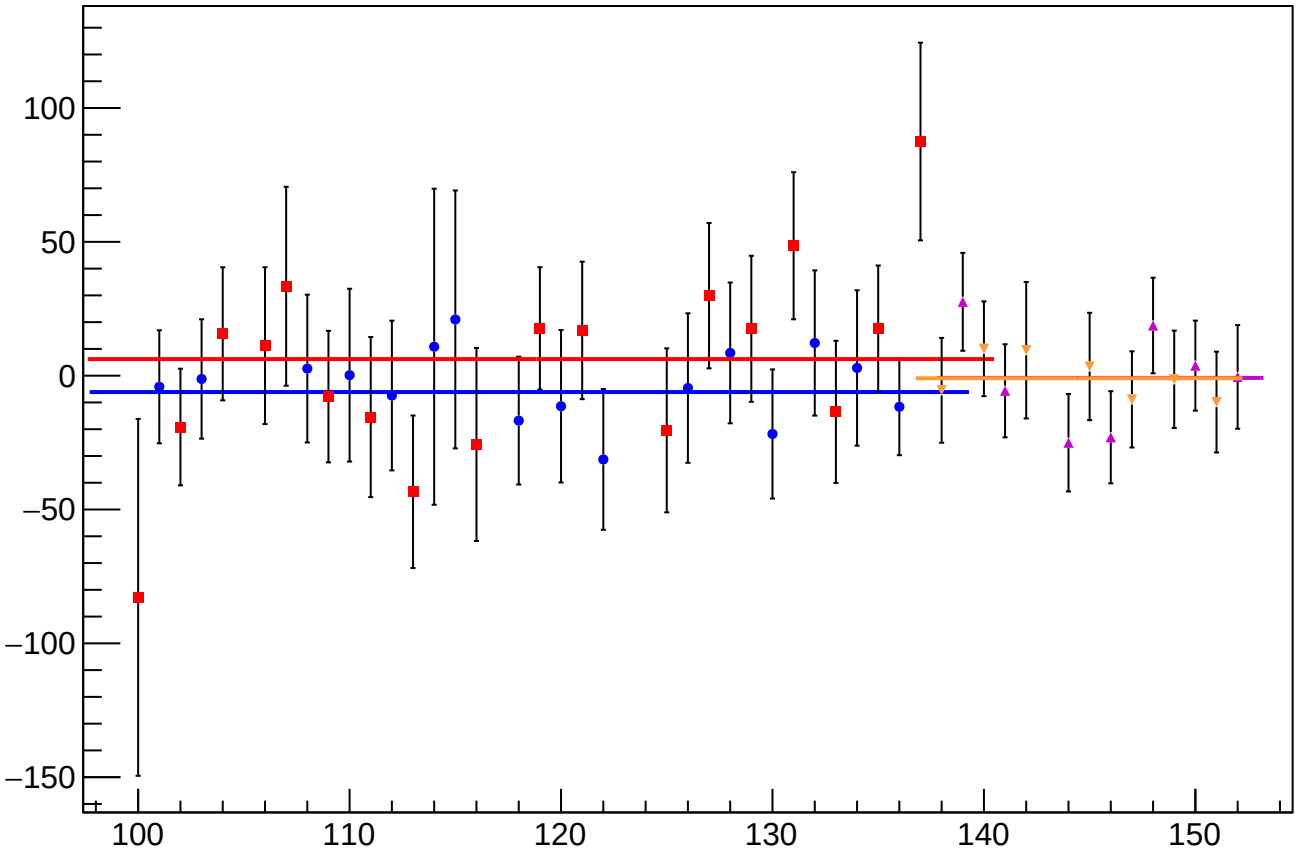
Left: 231.393+/-0.051 χ^2/NDF: 1172833.4/13

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 203.978+/-0.042 χ^2/NDF:1619620.4/22

Out: 192.819+/-0.041 χ^2/NDF:2921420.8/24

All: 198.332+/-0.029 χ^2/NDF: 4576883.2/47



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: -0.839+/-6.738 χ^2/NDF:7.2/6

Left: -0.902+/-4.952 χ^2/NDF: 8.3/13

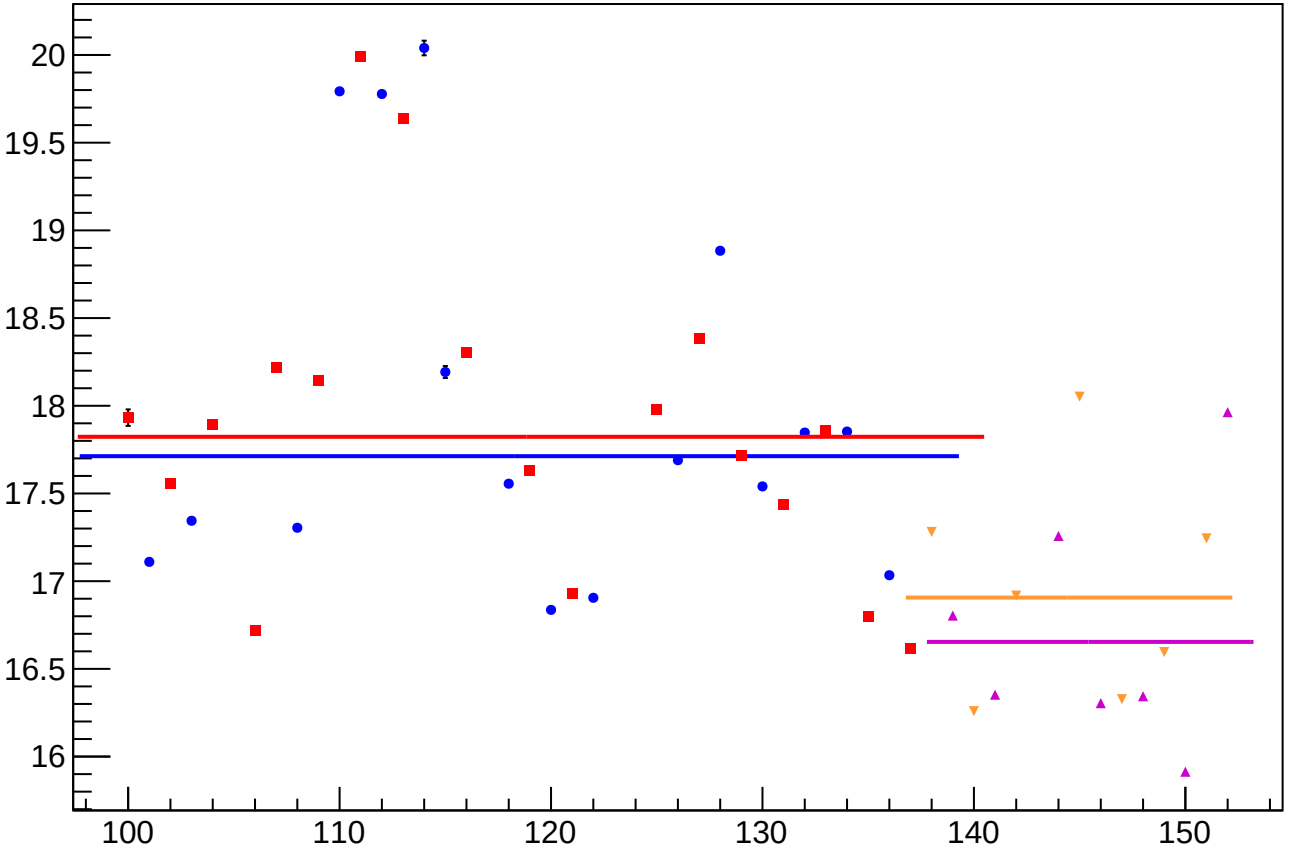
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -3.537+/-4.712 χ^2/NDF:10.6/22

Out: 2.981+/-4.888 χ^2/NDF:20.2/24

All: -0.397+/-3.393 χ^2/NDF: 31.8/47

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: 16.654+/-0.005 χ^2/NDF:17382.0/6

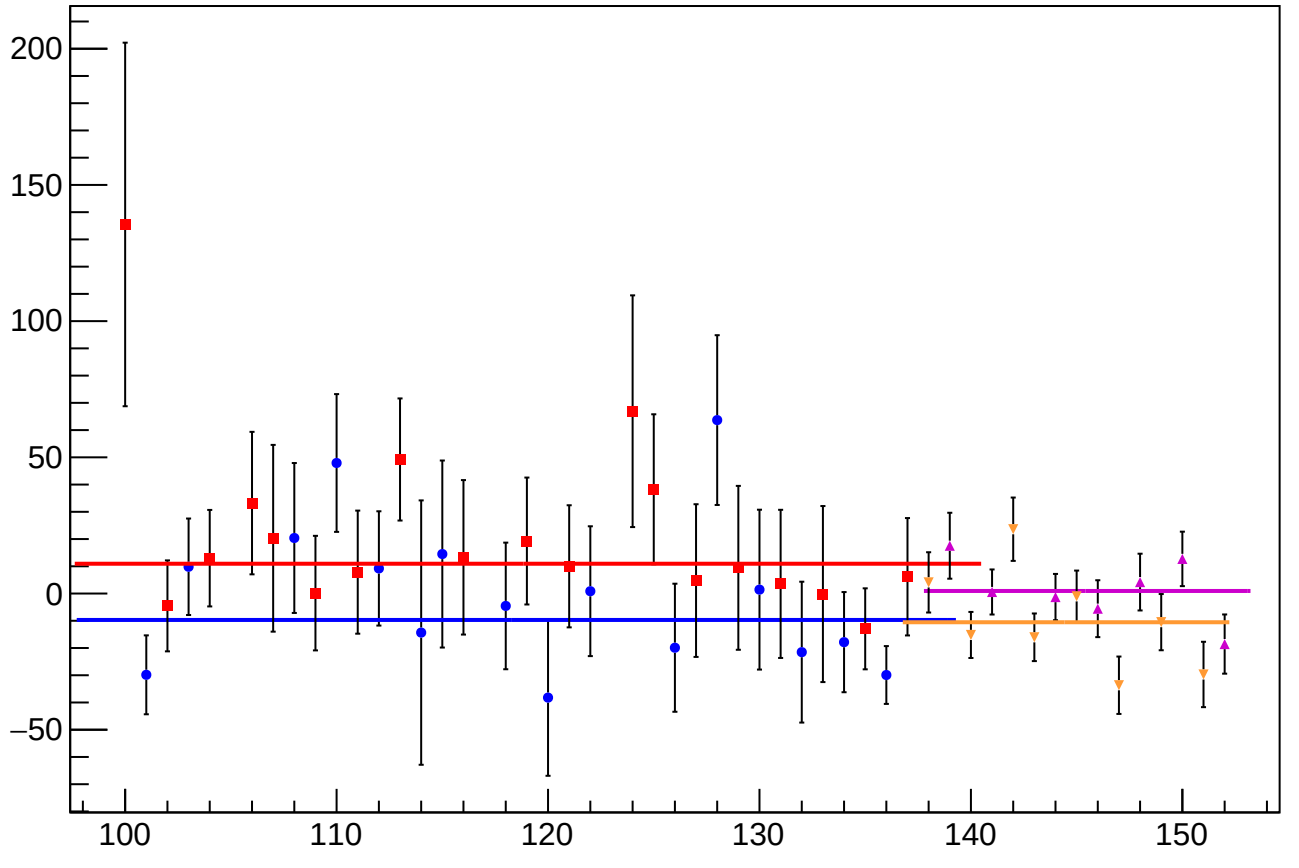
Left: 16.770+/-0.004 χ^2/NDF: 31913.5/13

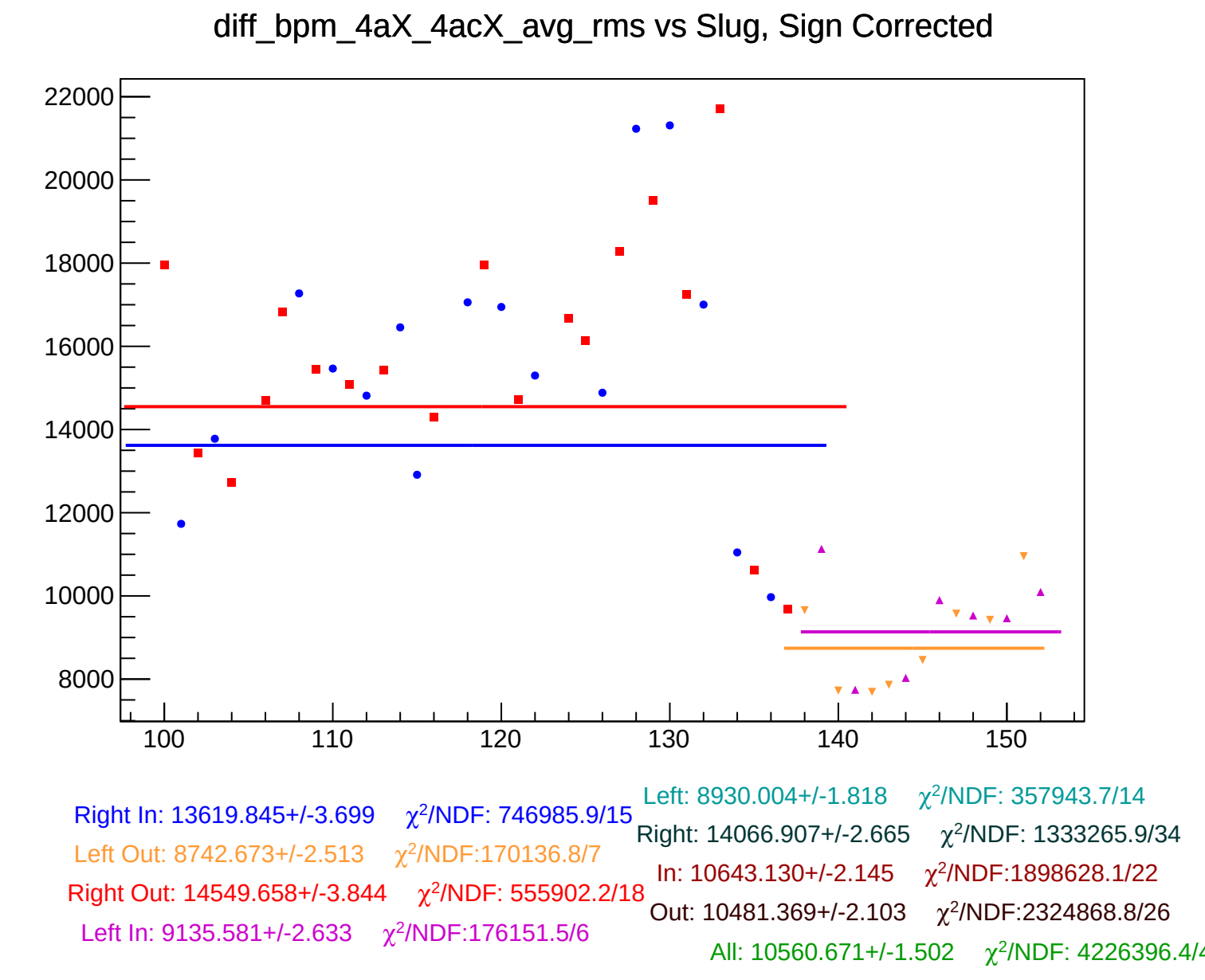
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

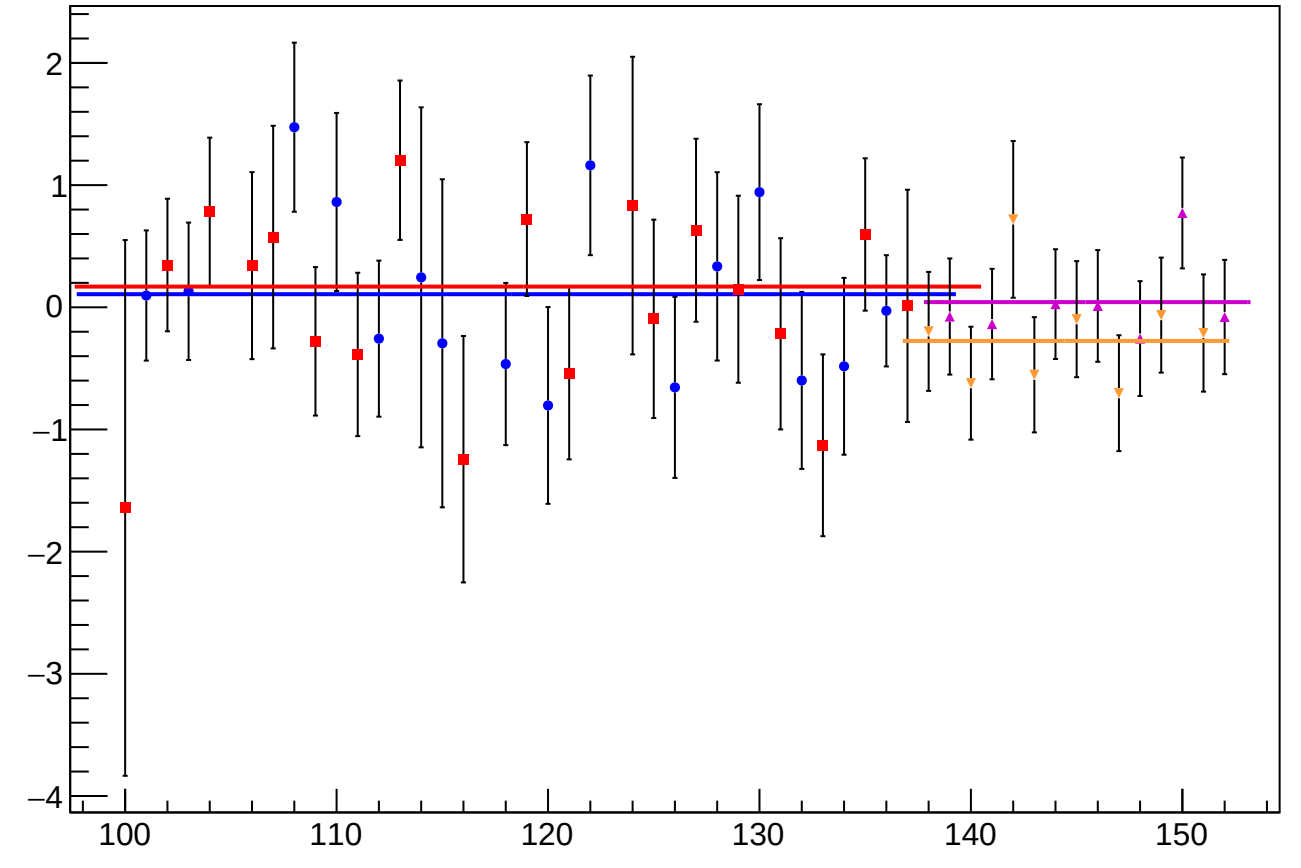
In: 17.195+/-0.003 χ^2/NDF:78602.3/22

Out: 17.412+/-0.003 χ^2/NDF:63139.3/24

All: 17.300+/-0.002 χ^2/NDF: 143794.9/47


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -10.543+/-3.554 χ²/NDF:19.5/7
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: 0.940+/-3.723 χ²/NDF:7.0/6
Left: -5.068+/-2.571 χ²/NDF: 31.5/14
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -2.637+/-3.033 χ²/NDF:31.8/22
Out: -4.111+/-2.975 χ²/NDF:44.5/26
All: -3.389+/-2.124 χ²/NDF: 76.4/49


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 13619.845+/-3.699 χ²/NDF: 746985.9/15
Left Out: 8742.673+/-2.513 χ²/NDF:170136.8/7
Right Out: 14549.658+/-3.844 χ²/NDF: 555902.2/18
Left In: 9135.581+/-2.633 χ²/NDF:176151.5/6
Left: 8930.004+/-1.818 χ²/NDF: 357943.7/14
Right: 14066.907+/-2.665 χ²/NDF: 1333265.9/34
In: 10643.130+/-2.145 χ²/NDF:1898628.1/22
Out: 10481.369+/-2.103 χ²/NDF:2324868.8/26
All: 10560.671+/-1.502 χ²/NDF: 4226396.4/4



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: 0.042+/-0.174 χ^2/NDF:3.3/6

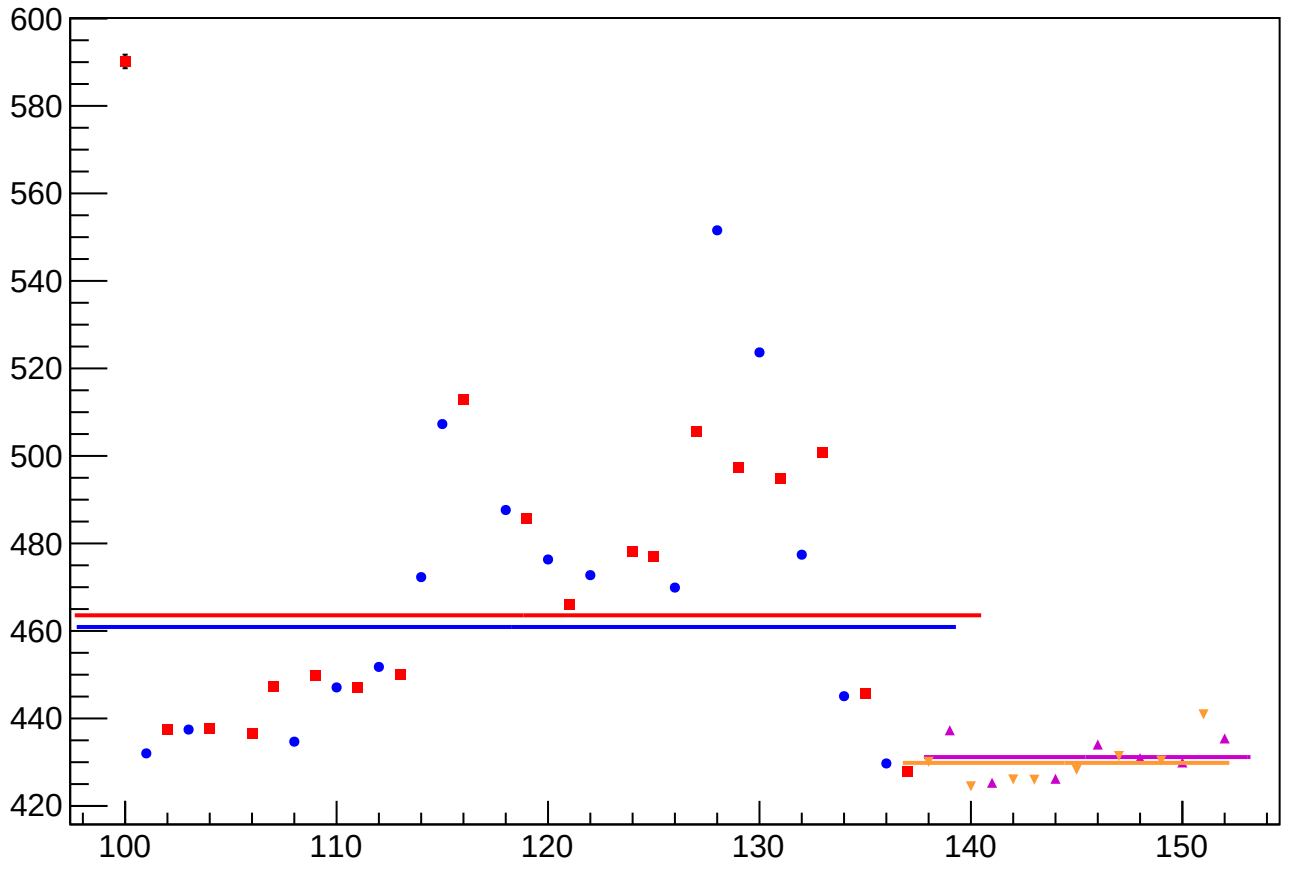
Left: -0.118+/-0.123 χ^2/NDF: 9.5/14

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.075+/-0.122 χ^2/NDF:17.0/22

Out: -0.049+/-0.121 χ^2/NDF:22.0/26

All: 0.013+/-0.086 χ^2/NDF: 39.5/49



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: 431.175+/-0.123 χ^2/NDF:1172.0/6

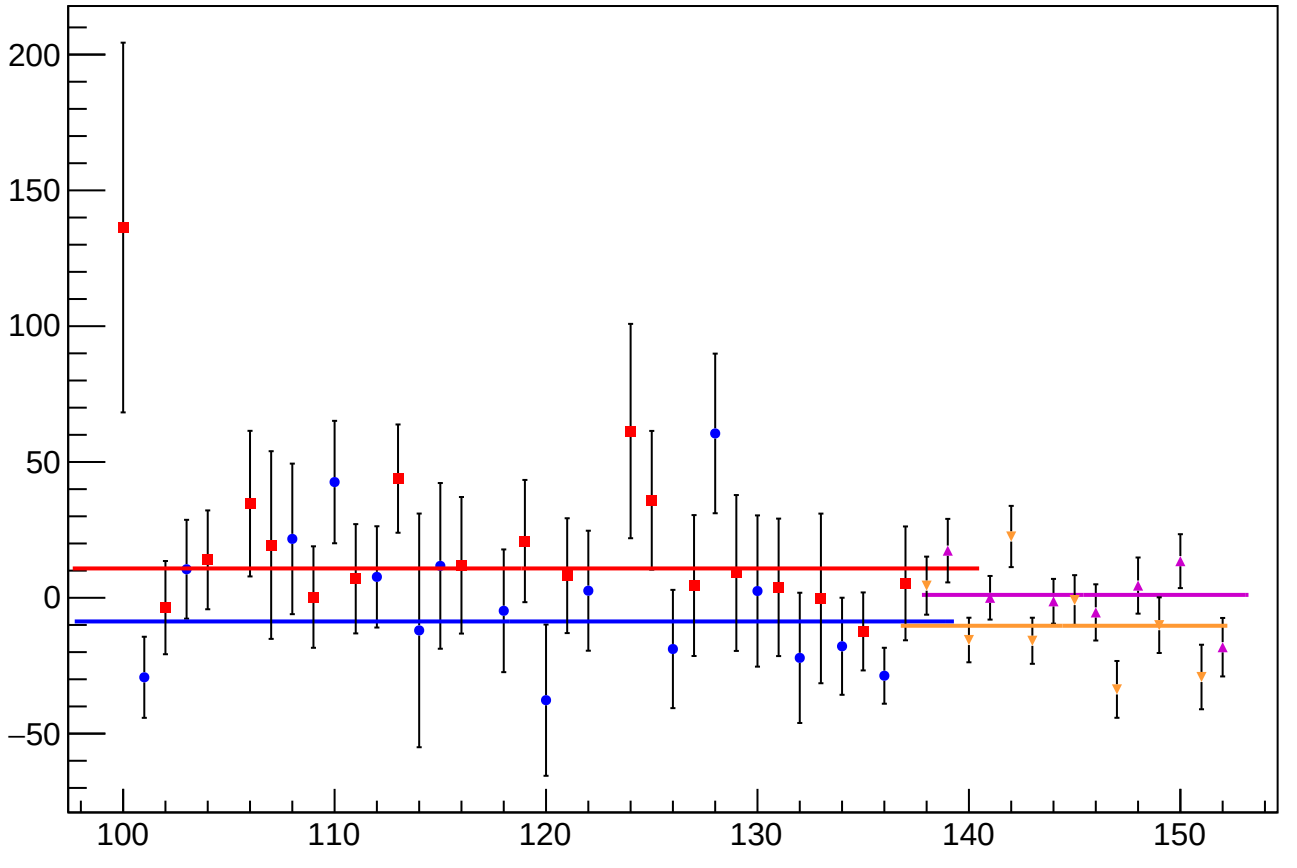
Left: 430.505+/-0.087 χ^2/NDF: 2820.0/14

Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 446.240+/-0.086 χ^2/NDF:105682.1/22

Out: 447.023+/-0.086 χ^2/NDF:92651.7/26

All: 446.636+/-0.061 χ^2/NDF: 198375.3/49



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: 1.070+/-3.651 χ^2/NDF:7.3/6

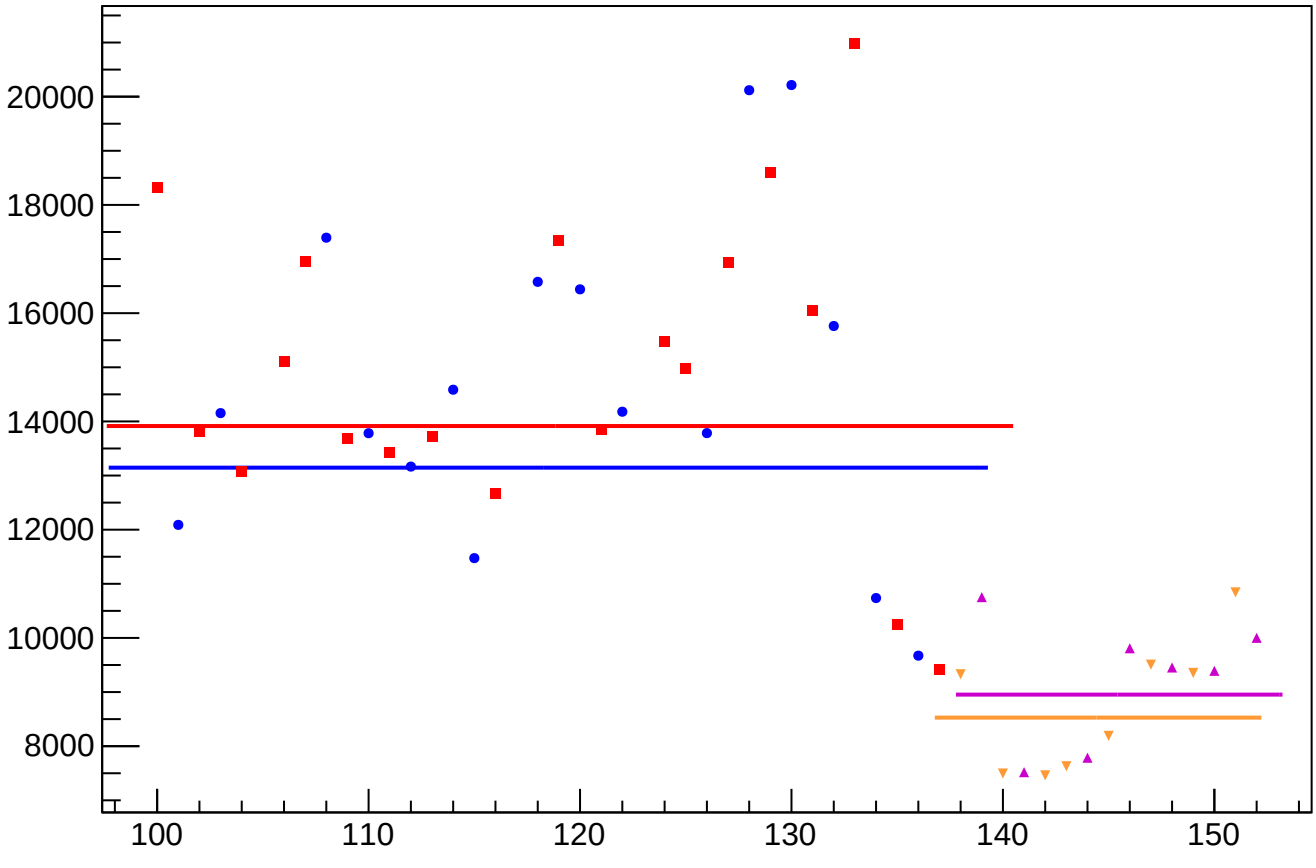
Left: -4.900+/-2.515 χ^2/NDF: 32.2/14

Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -2.299+/-2.956 χ^2/NDF:32.1/22

Out: -3.778+/-2.885 χ^2/NDF:45.1/26

All: -3.056+/-2.065 χ^2/NDF: 77.3/49



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8527.877+/-2.454 χ^2/NDF:192360.3/7

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 8952.968+/-2.582 χ^2/NDF:192419.8/6

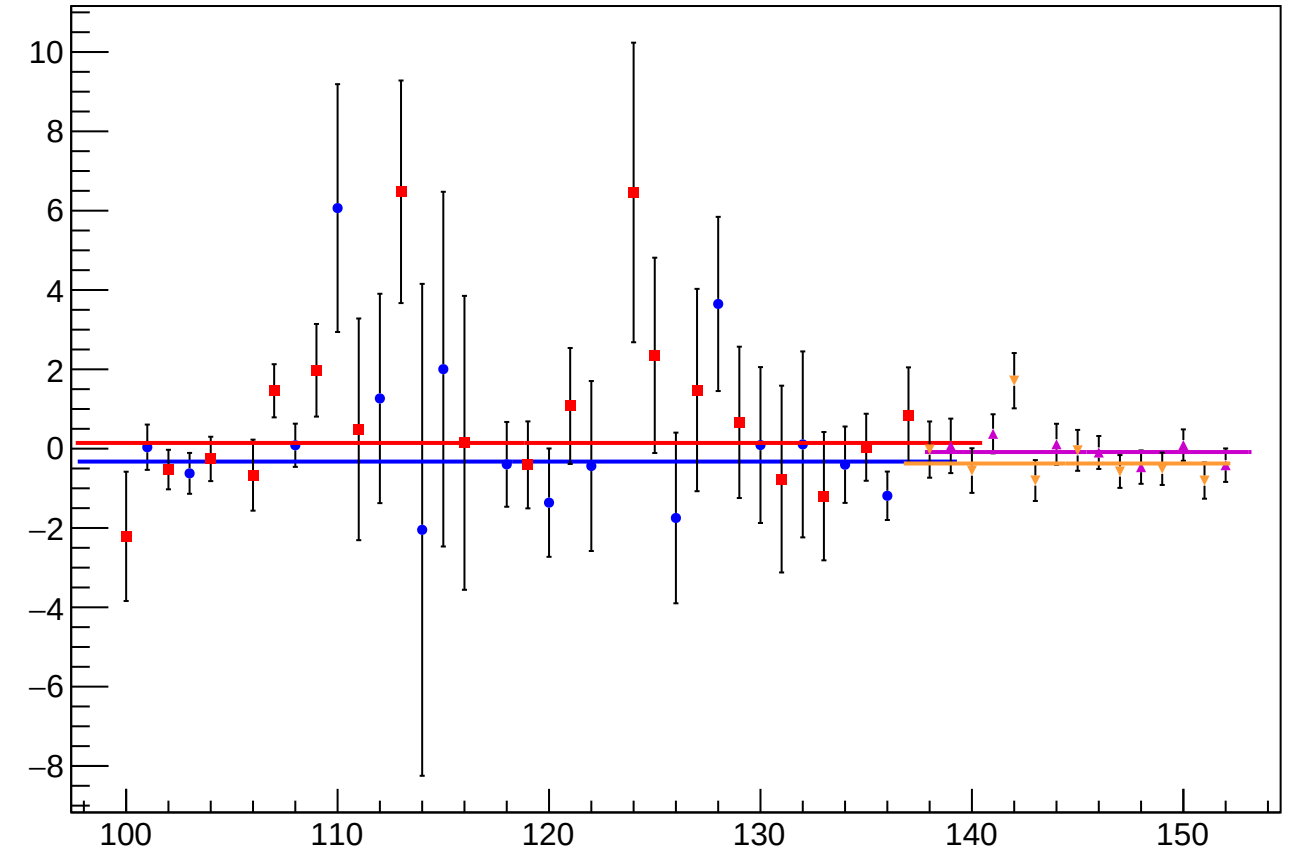
Left: 8729.644+/-1.779 χ^2/NDF: 399024.7/14

Right: 13518.600+/-2.556 χ^2/NDF: 1216225.3/34

In: 10397.530+/-2.090 χ^2/NDF:1783870.5/22

Out: 10191.467+/-2.040 χ^2/NDF:2191701.0/26

All: 10292.002+/-1.460 χ^2/NDF: 3980549.4/4



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: -0.085+/-0.173 χ^2/NDF:2.7/6

Left: -0.225+/-0.124 χ^2/NDF: 15.7/14

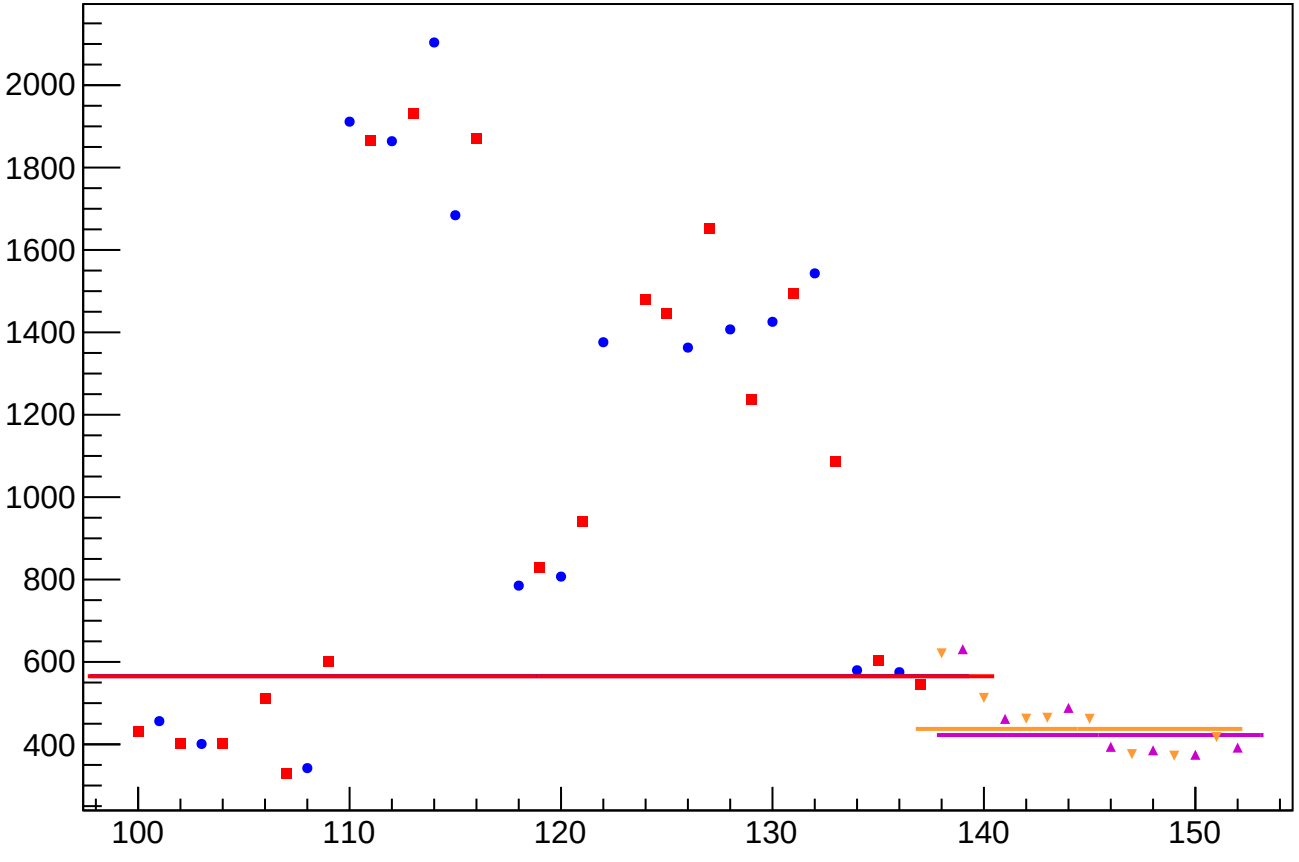
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.166+/-0.141 χ^2/NDF:15.9/22

Out: -0.194+/-0.144 χ^2/NDF:37.1/26

All: -0.179+/-0.101 χ^2/NDF: 53.0/49

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: 422.576+/-0.122 χ^2/NDF:294030.6/6

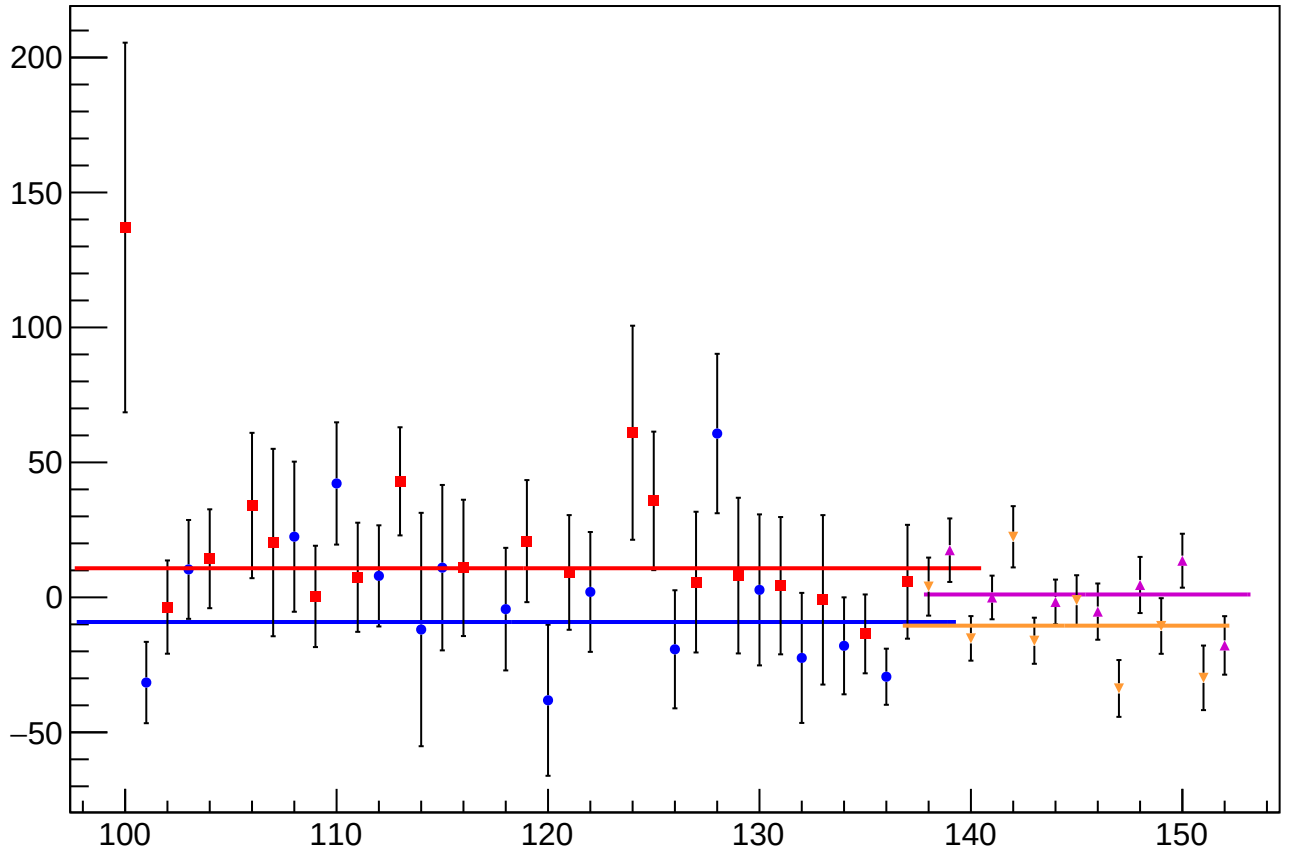
Left: 429.805+/-0.088 χ^2/NDF: 581797.7/14

Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 470.340+/-0.100 χ^2/NDF:4201227.5/22

Out: 481.916+/-0.102 χ^2/NDF:4208528.9/26

All: 476.007+/-0.071 χ^2/NDF: 8416344.8/49



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: 1.069+/-3.675 χ^2/NDF:7.2/6

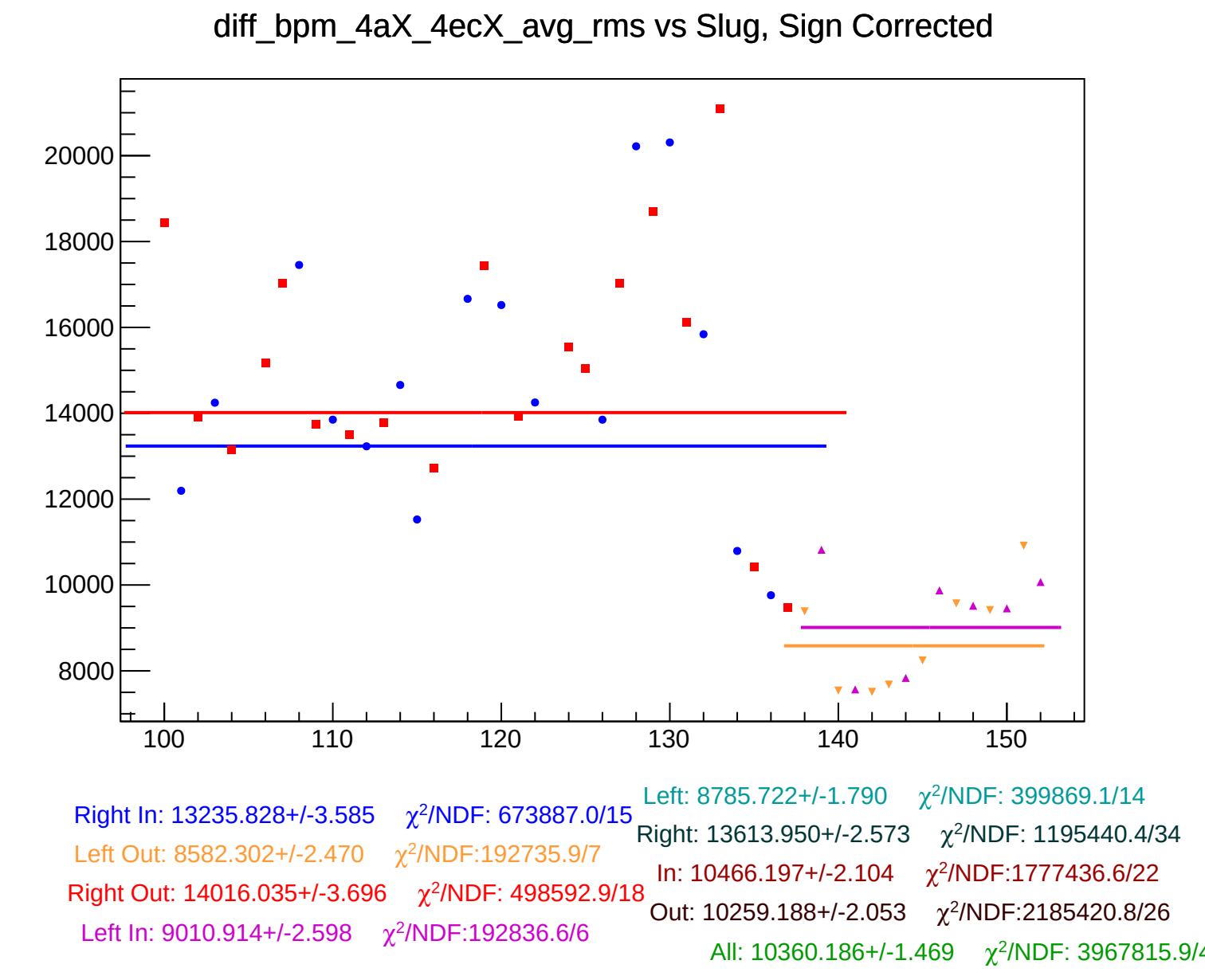
Left: -5.001+/-2.531 χ^2/NDF: 31.9/14

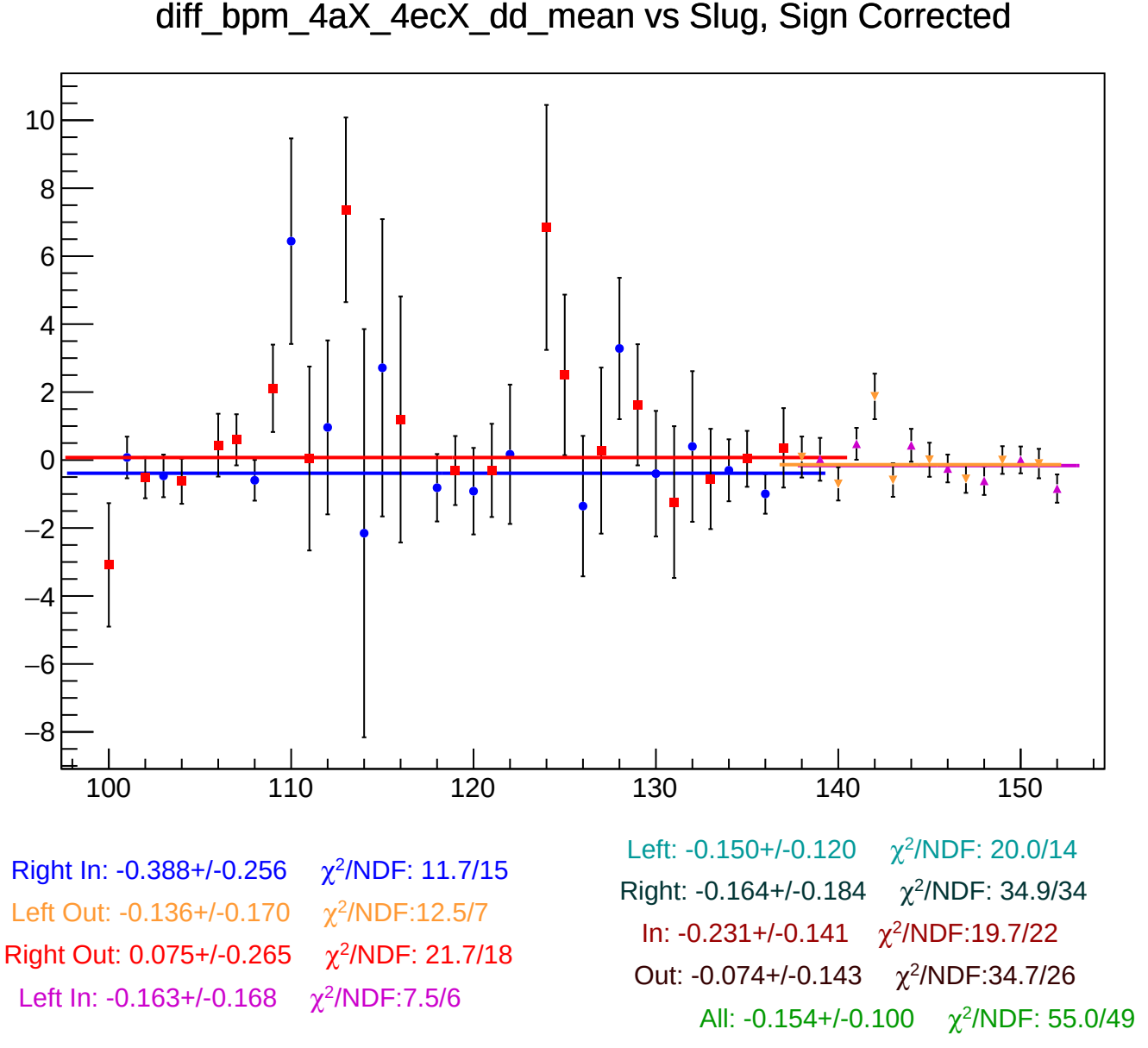
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: -2.444+/-2.975 χ^2/NDF:32.6/22

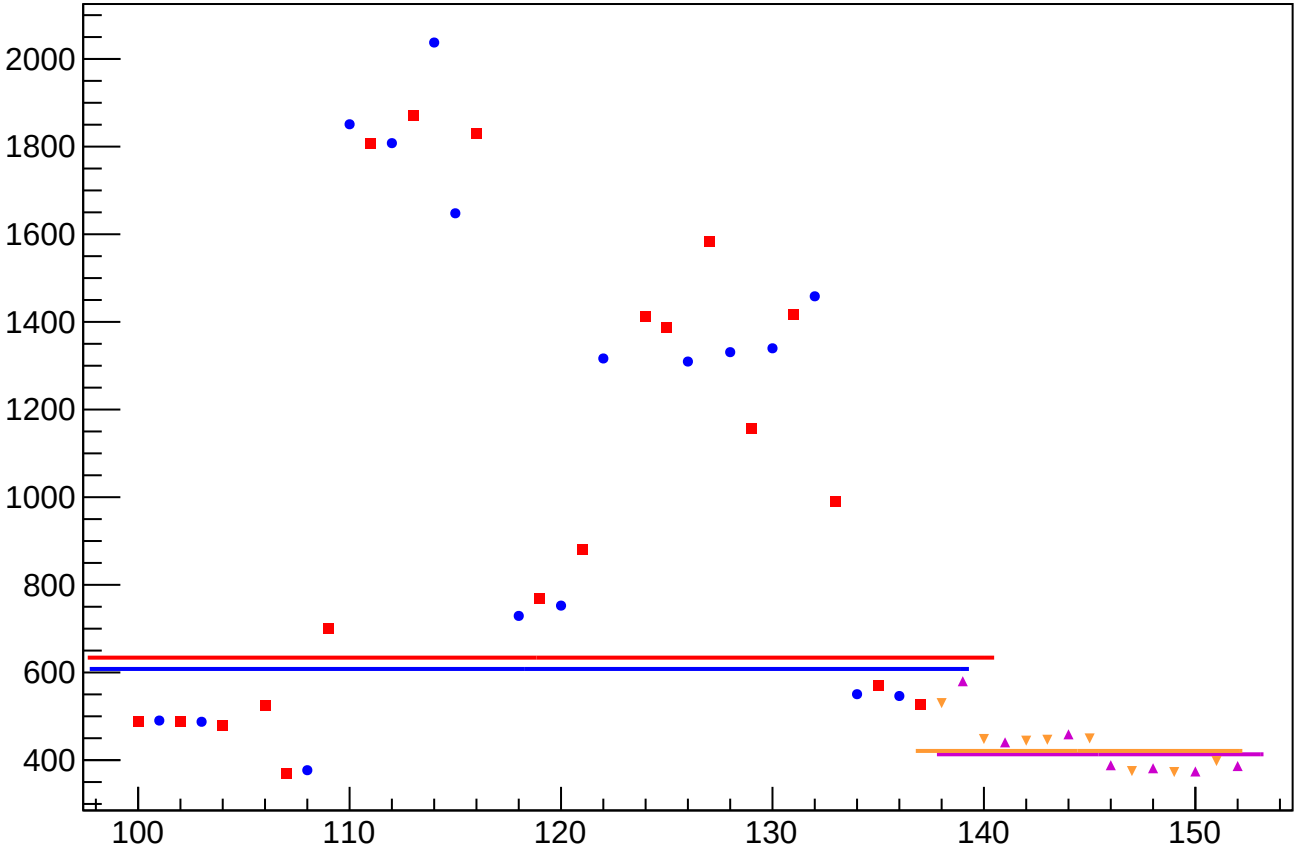
Out: -3.919+/-2.904 χ^2/NDF:44.7/26

All: -3.199+/-2.078 χ^2/NDF: 77.4/49


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8582.302+/-2.470 χ²/NDF:192735.9/7
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 9010.914+/-2.598 χ²/NDF:192836.6/6
Left: 8785.722+/-1.790 χ²/NDF: 399869.1/14
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 10466.197+/-2.104 χ²/NDF:1777436.6/22
Out: 10259.188+/-2.053 χ²/NDF:2185420.8/26
All: 10360.186+/-1.469 χ²/NDF: 3967815.9/4


diff_bpm_4aX_4ecX_dd_mean vs Slug, Sign Corrected
10
8
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: -0.388+/-0.256 χ²/NDF: 11.7/15
Left Out: -0.136+/-0.170 χ²/NDF:12.5/7
Right Out: 0.075+/-0.265 χ²/NDF: 21.7/18
Left In: -0.163+/-0.168 χ²/NDF:7.5/6
Left: -0.150+/-0.120 χ²/NDF: 20.0/14
Right: -0.164+/-0.184 χ²/NDF: 34.9/34
In: -0.231+/-0.141 χ²/NDF:19.7/22
Out: -0.074+/-0.143 χ²/NDF:34.7/26
All: -0.154+/-0.100 χ²/NDF: 55.0/49

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: 413.299+/-0.119 χ^2/NDF:211371.7/6

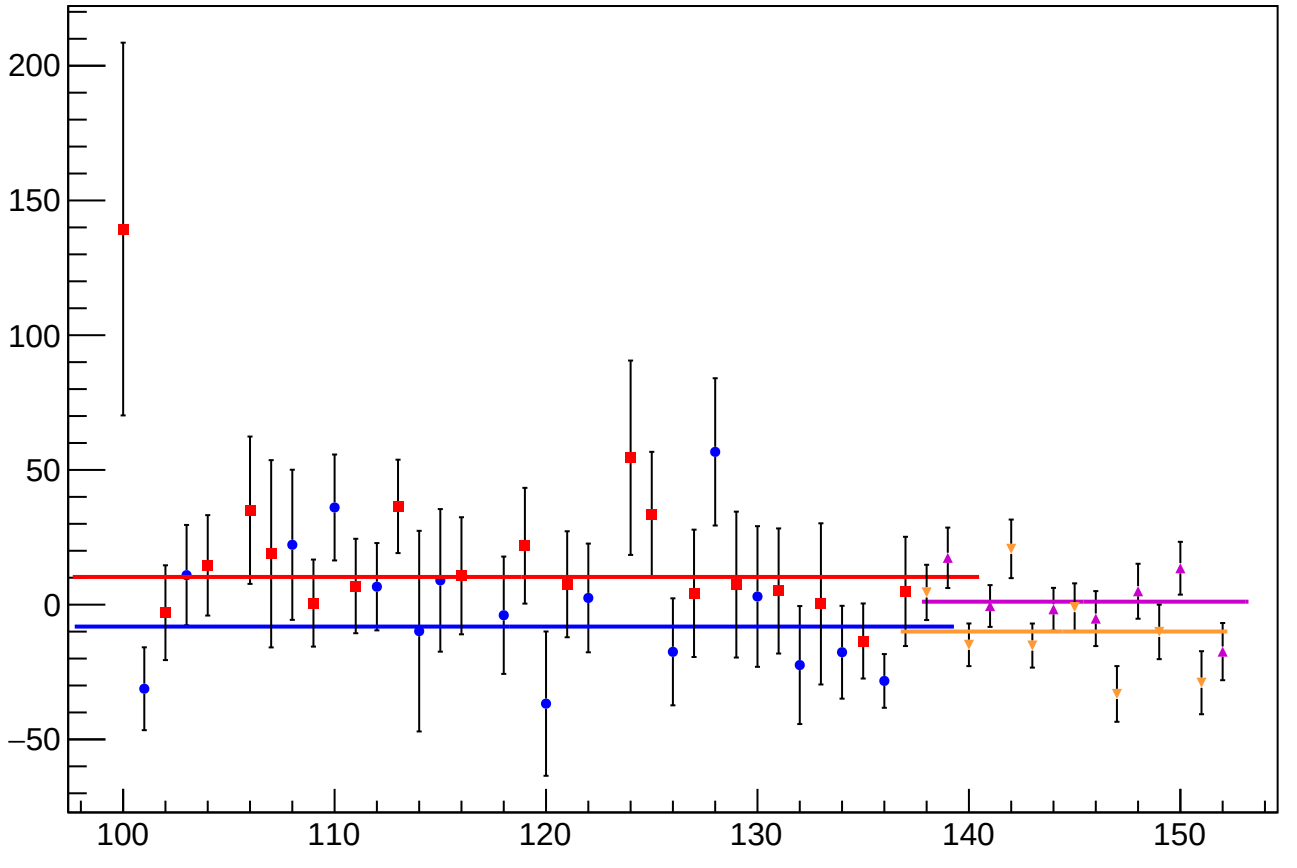
Left: 417.096+/-0.085 χ^2/NDF: 357632.4/14

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 472.215+/-0.099 χ^2/NDF:3873420.3/22

Out: 483.445+/-0.101 χ^2/NDF:3848111.0/26

All: 477.725+/-0.071 χ^2/NDF: 7727788.6/49



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: 1.104+/-3.559 χ^2/NDF:7.5/6

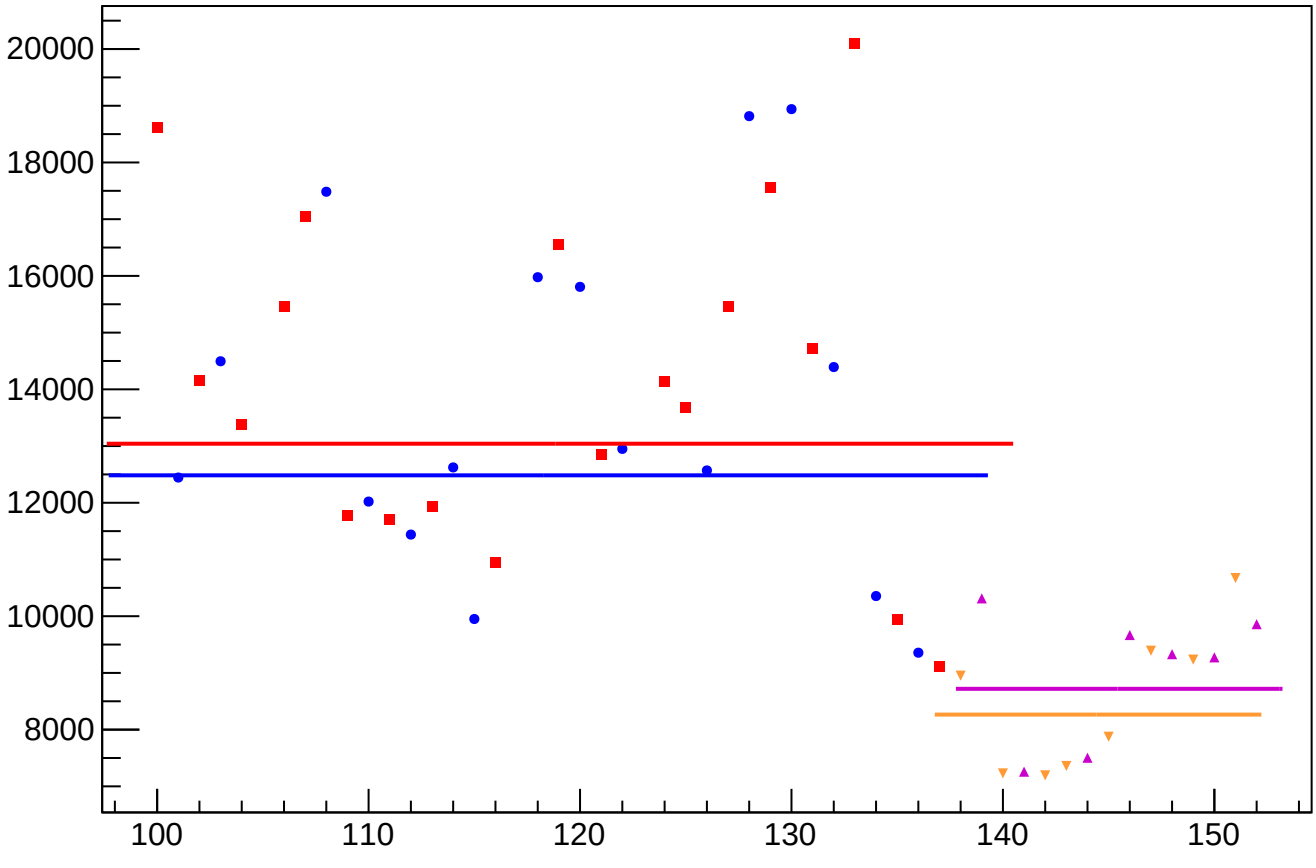
Left: -4.737+/-2.446 χ^2/NDF: 32.0/14

Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -2.190+/-2.854 χ^2/NDF:33.0/22

Out: -3.422+/-2.770 χ^2/NDF:44.9/26

All: -2.824+/-1.988 χ^2/NDF: 77.9/49



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: 8719.605+/-2.516 χ^2/NDF:212205.8/6

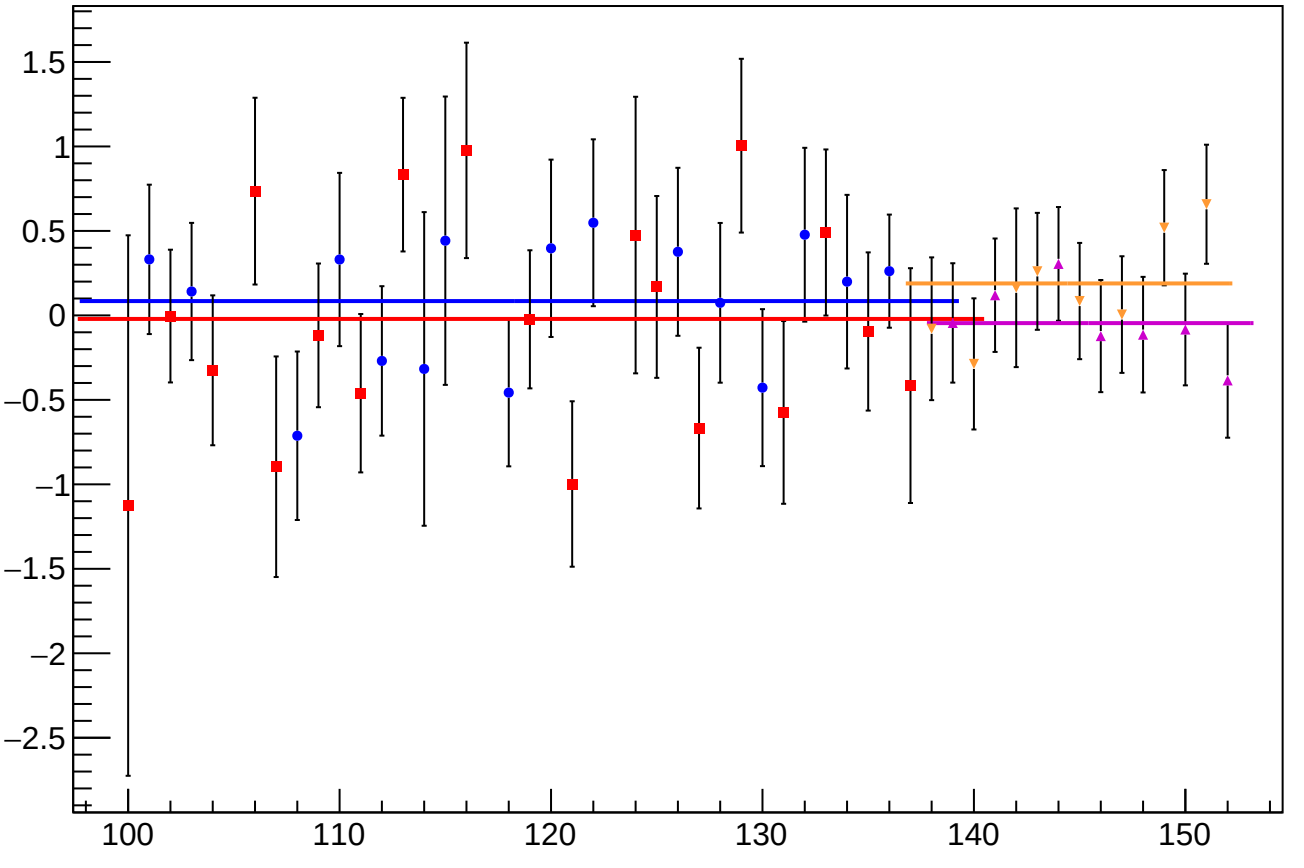
Left: 8479.829+/-1.729 χ^2/NDF: 447547.9/14

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 10062.267+/-2.018 χ^2/NDF:1682032.7/22

Out: 9808.520+/-1.959 χ^2/NDF:2062817.0/26

All: 9931.611+/-1.406 χ^2/NDF: 3752989.2/49



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: -0.046+/-0.128 χ^2/NDF:2.4/6

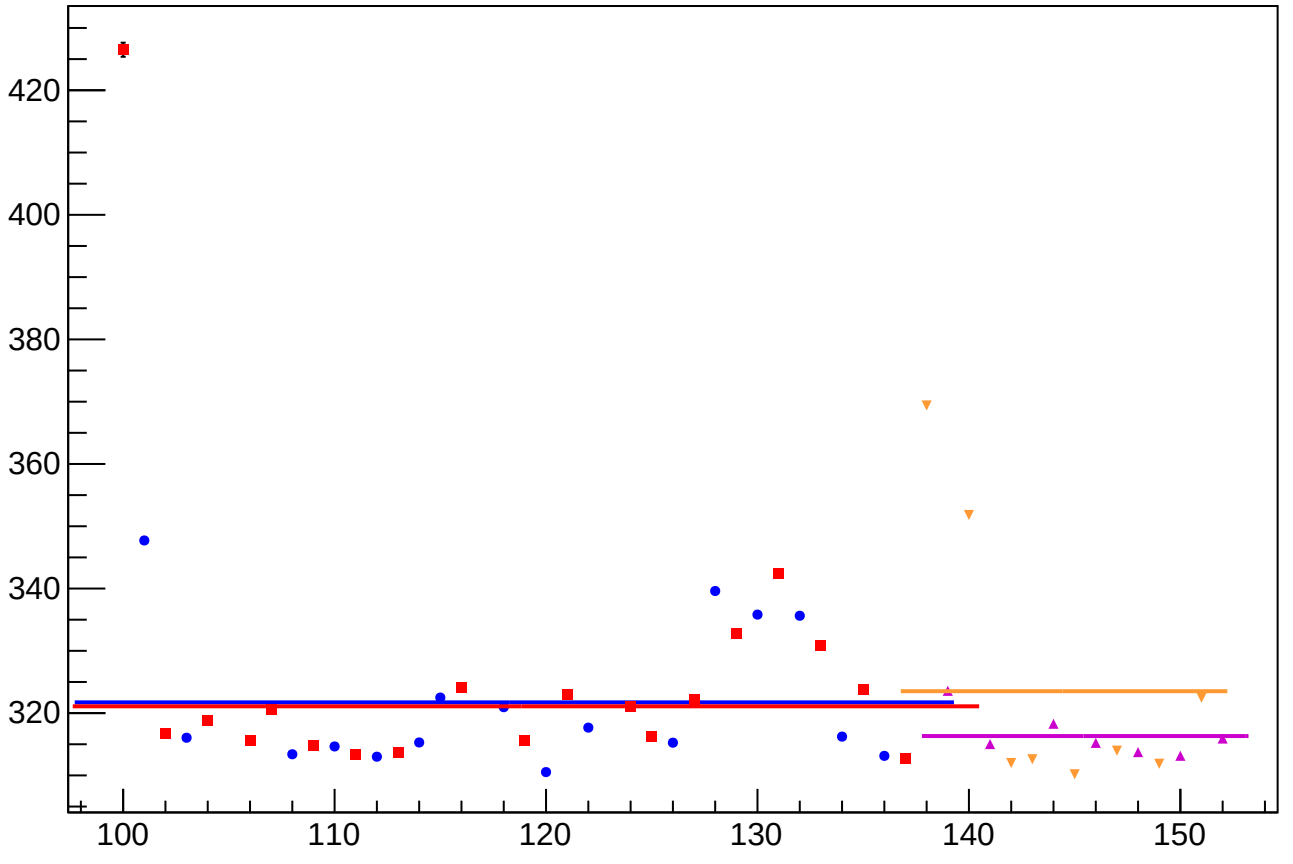
Left: 0.069+/-0.091 χ^2/NDF: 9.1/14

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.024+/-0.088 χ^2/NDF:12.4/22

Out: 0.073+/-0.087 χ^2/NDF:30.8/26

All: 0.048+/-0.062 χ^2/NDF: 43.3/49



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: 316.317+/-0.090 χ^2/NDF:1264.8/6

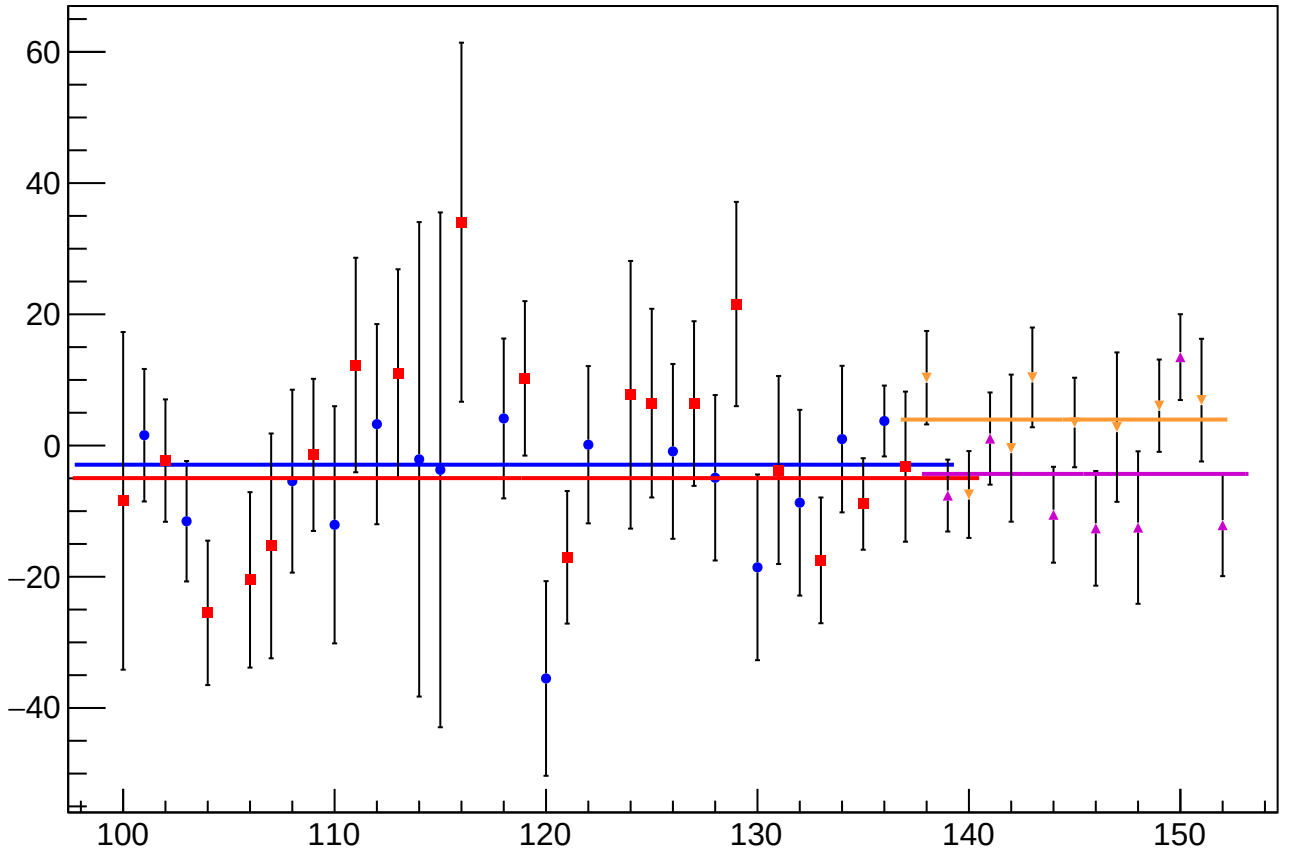
Left: 319.840+/-0.065 χ^2/NDF: 48654.1/14

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 319.190+/-0.062 χ^2/NDF:21380.9/22

Out: 322.177+/-0.062 χ^2/NDF:61246.1/26

All: 320.687+/-0.044 χ^2/NDF: 83793.5/49



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: -4.323+/-2.745 χ^2/NDF:11.5/6

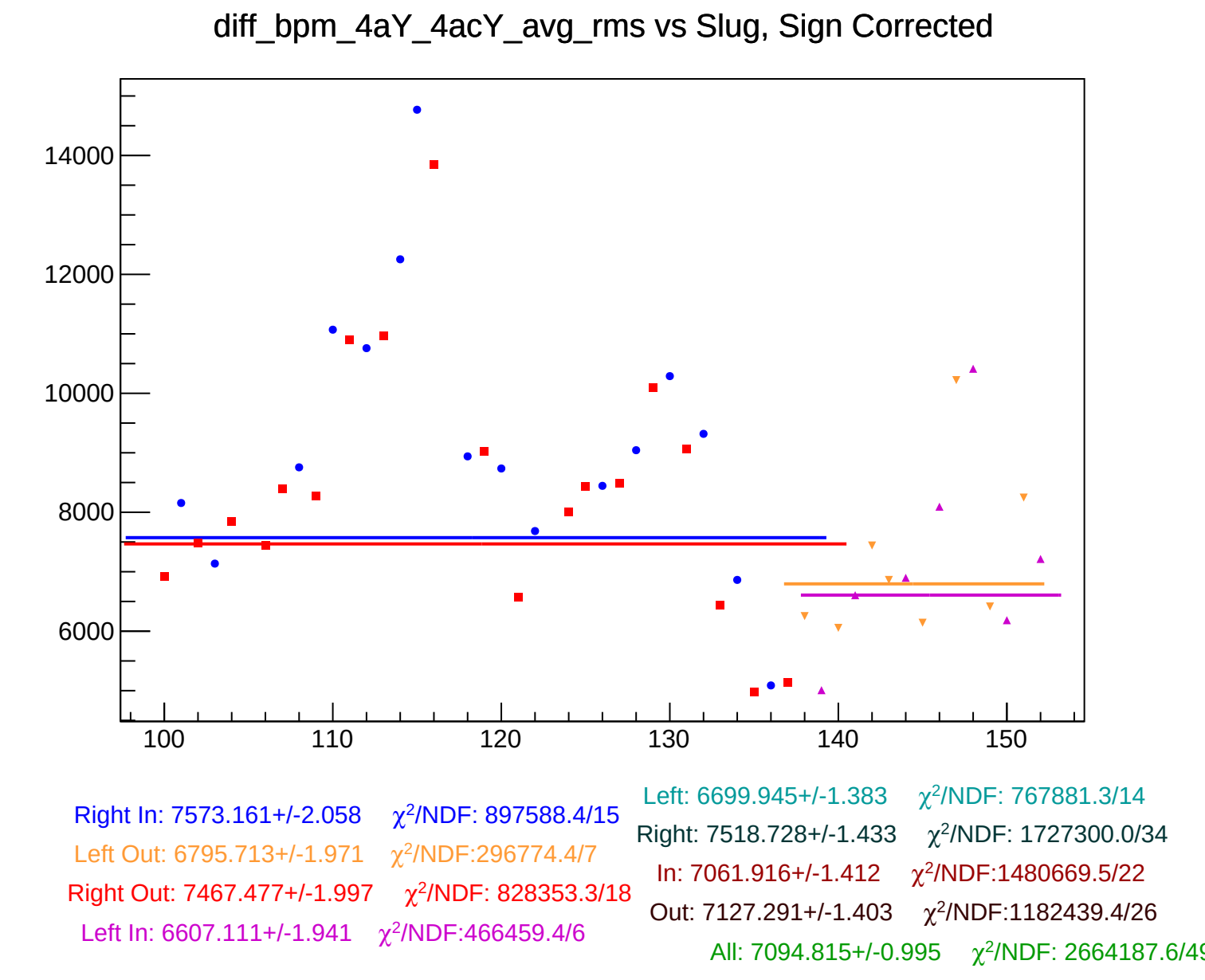
Left: -0.247+/-1.956 χ^2/NDF: 20.8/14

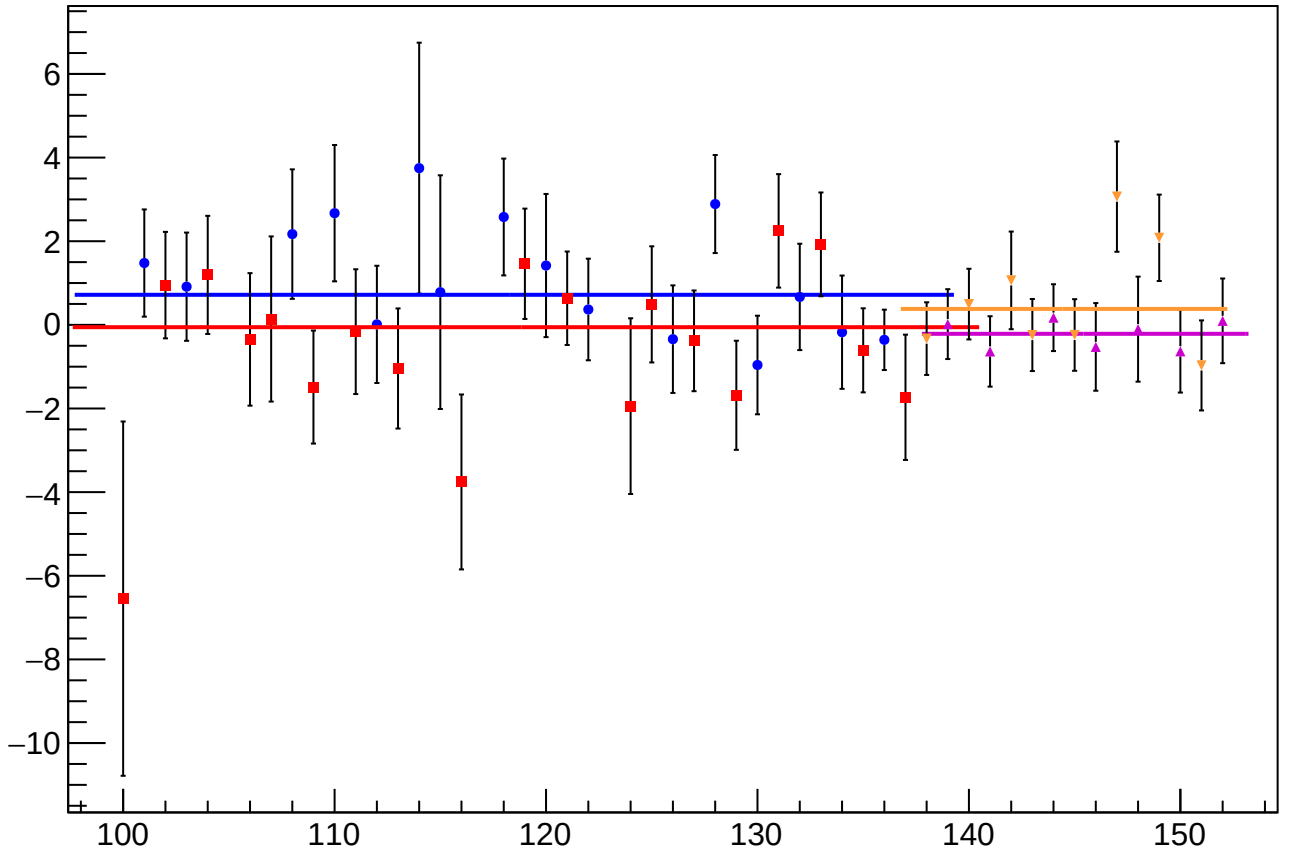
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -3.663+/-1.997 χ^2/NDF:21.4/22

Out: -0.447+/-1.984 χ^2/NDF:29.3/26

All: -2.045+/-1.407 χ^2/NDF: 52.1/49


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6795.713+/-1.971 χ²/NDF:296774.4/7
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6607.111+/-1.941 χ²/NDF:466459.4/6
Left: 6699.945+/-1.383 χ²/NDF: 767881.3/14
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 7061.916+/-1.412 χ²/NDF:1480669.5/22
Out: 7127.291+/-1.403 χ²/NDF:1182439.4/26
All: 7094.815+/-0.995 χ²/NDF: 2664187.6/49



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: -0.214+/-0.355 χ^2/NDF:0.9/6

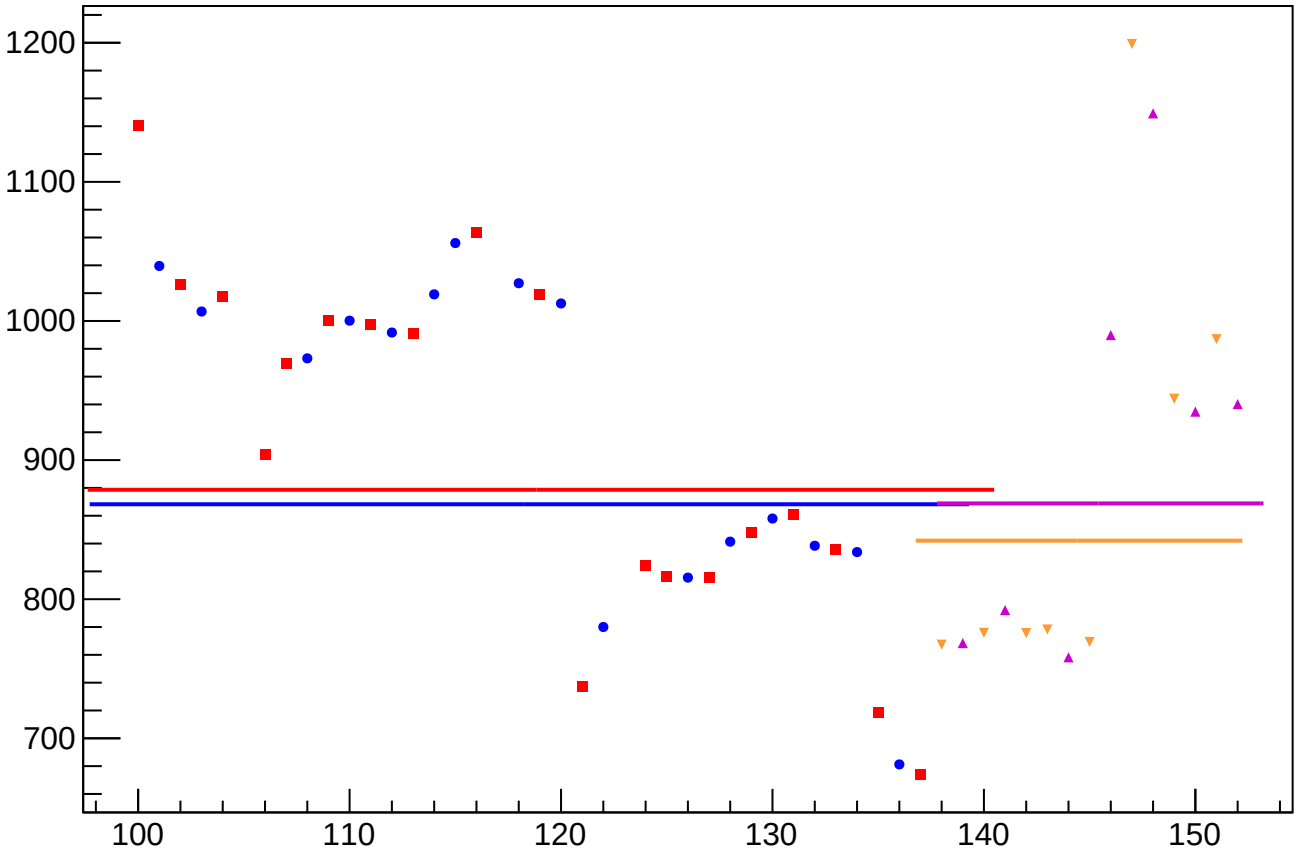
Left: 0.094+/-0.246 χ^2/NDF: 12.9/14

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.292+/-0.240 χ^2/NDF:19.5/22

Out: 0.151+/-0.235 χ^2/NDF:31.2/26

All: 0.220+/-0.168 χ^2/NDF: 50.8/49



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: 868.860+/-0.251 χ^2/NDF:229075.8/6

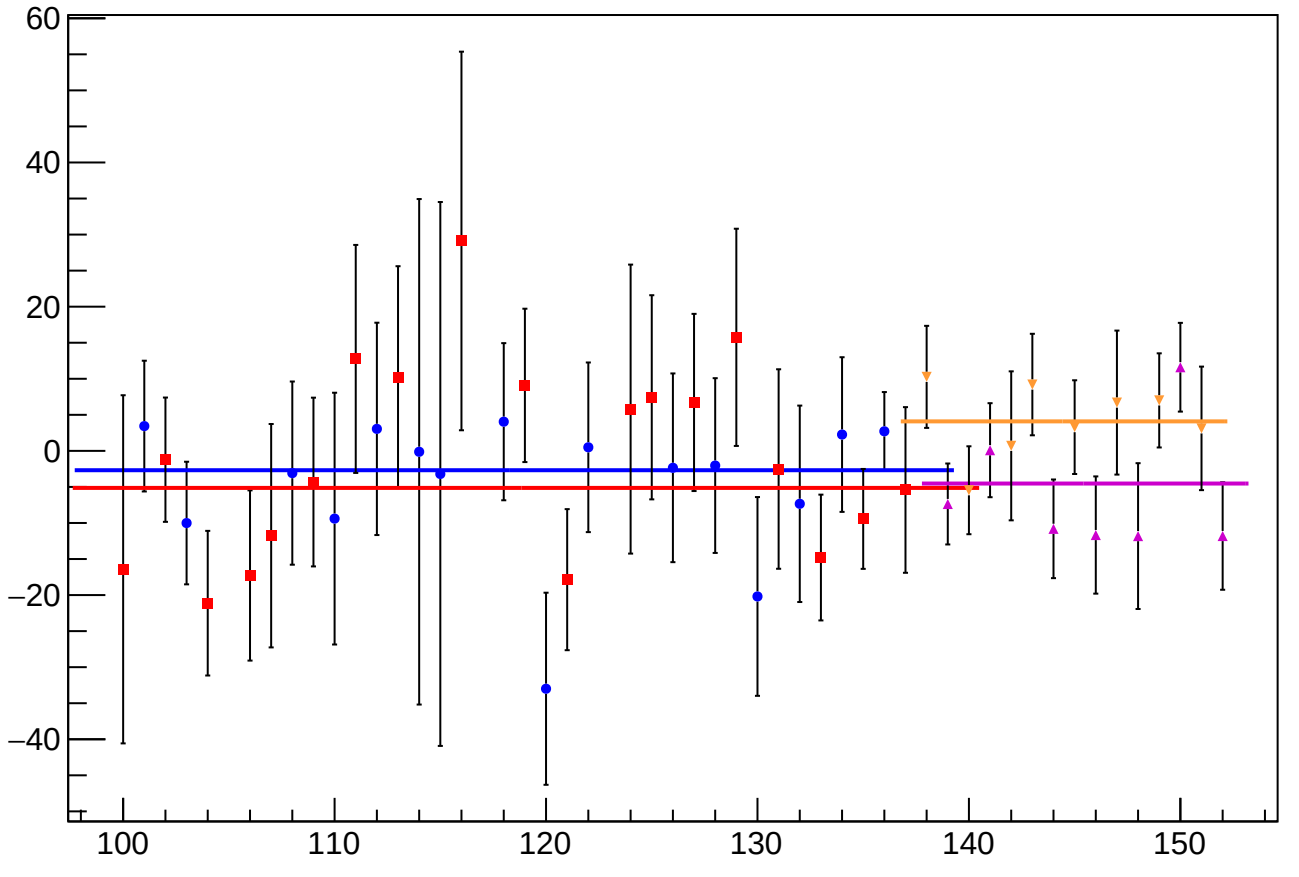
Left: 854.986+/-0.174 χ^2/NDF: 496359.6/14

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 868.531+/-0.170 χ^2/NDF:531488.6/22

Out: 861.390+/-0.166 χ^2/NDF:545983.8/26

All: 864.886+/-0.119 χ^2/NDF: 1078376.6/49



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: -4.530+/-2.618 χ^2/NDF:10.7/6

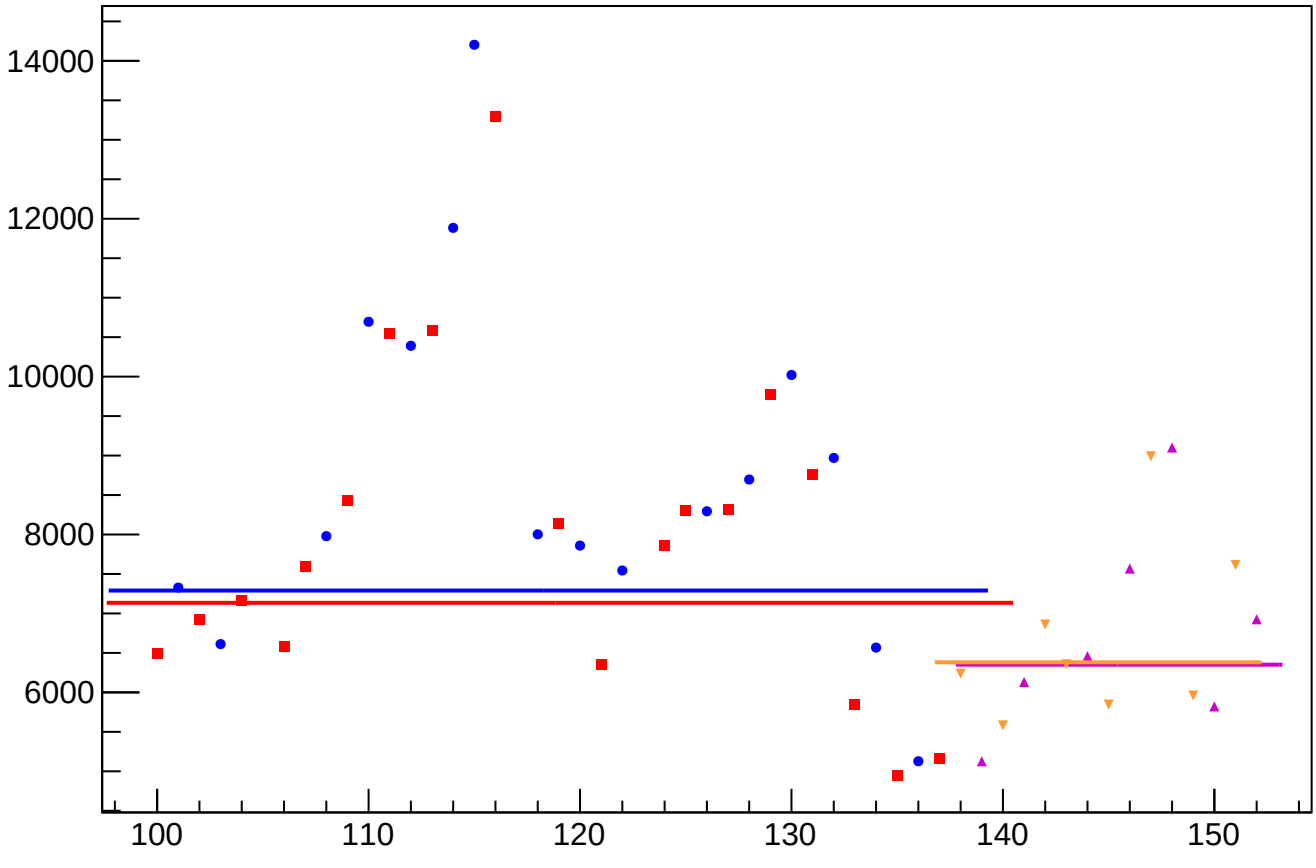
Left: -0.201+/-1.847 χ^2/NDF: 20.3/14

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -3.665+/-1.908 χ^2/NDF:21.0/22

Out: -0.374+/-1.873 χ^2/NDF:27.5/26

All: -1.988+/-1.337 χ^2/NDF: 50.0/49



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: 6351.080+/-1.851 χ^2/NDF:317431.3/6

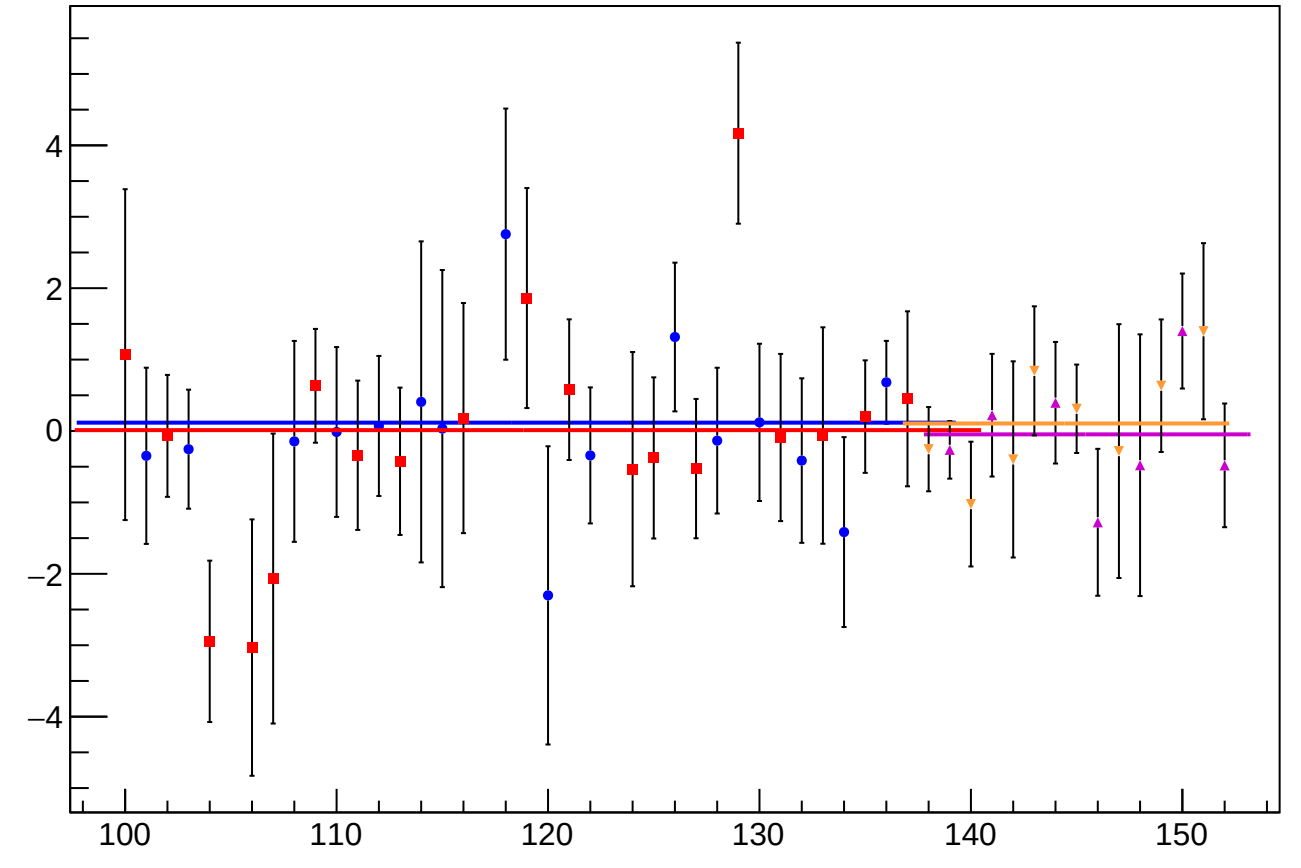
Left: 6366.110+/-1.306 χ^2/NDF: 557045.0/14

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6791.083+/-1.349 χ^2/NDF:1208556.3/22

Out: 6745.572+/-1.324 χ^2/NDF:1113124.6/26

All: 6767.895+/-0.945 χ^2/NDF: 2322260.4/49



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: 0.105+/-0.306 χ^2/NDF:4.4/7

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.047+/-0.277 χ^2/NDF:5.6/6

Left: 0.022+/-0.205 χ^2/NDF: 10.2/14

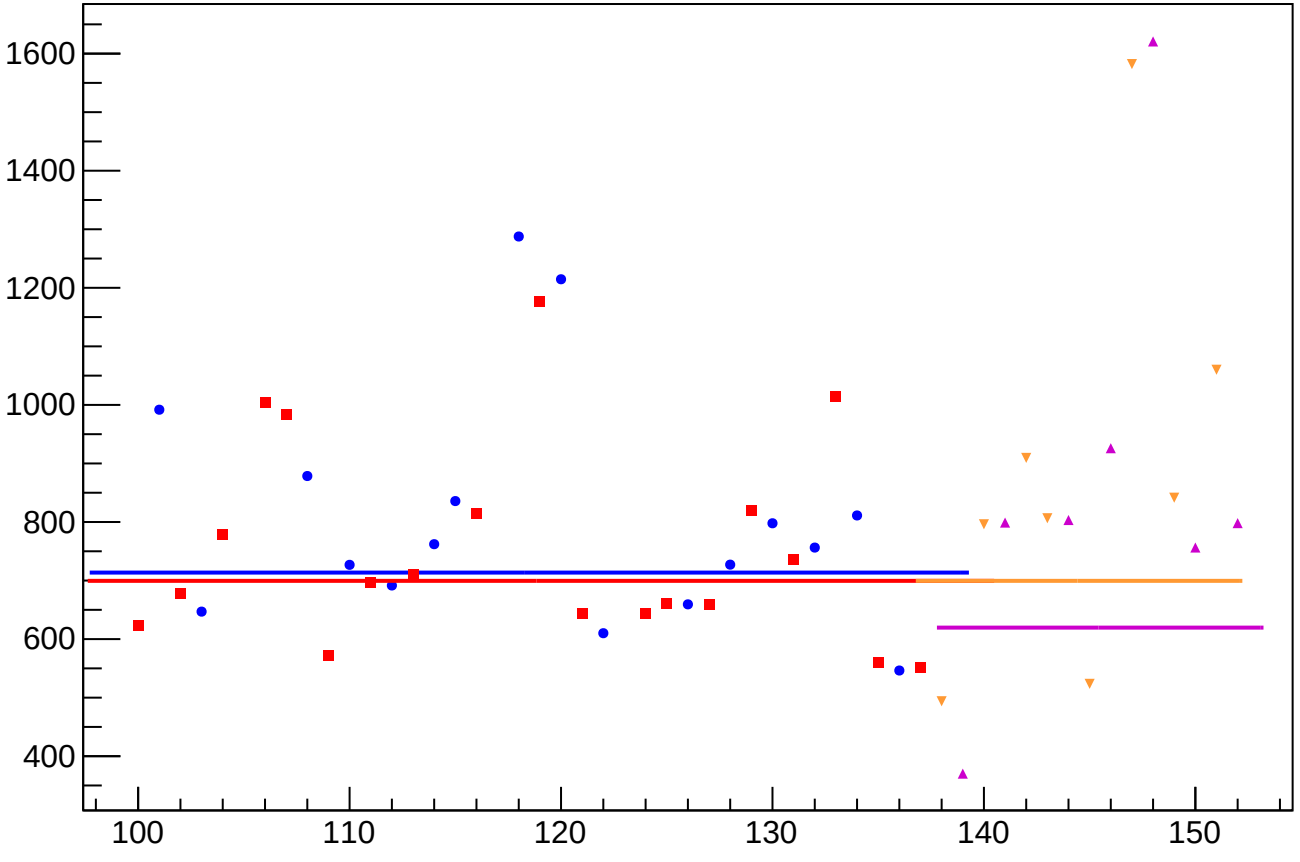
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.036+/-0.195 χ^2/NDF:13.9/22

Out: 0.052+/-0.200 χ^2/NDF:29.6/26

All: 0.044+/-0.139 χ^2/NDF: 43.6/49

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 699.501+/-0.216 χ^2/NDF:1215043.8/7

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 619.615+/-0.196 χ^2/NDF:1862573.2/6

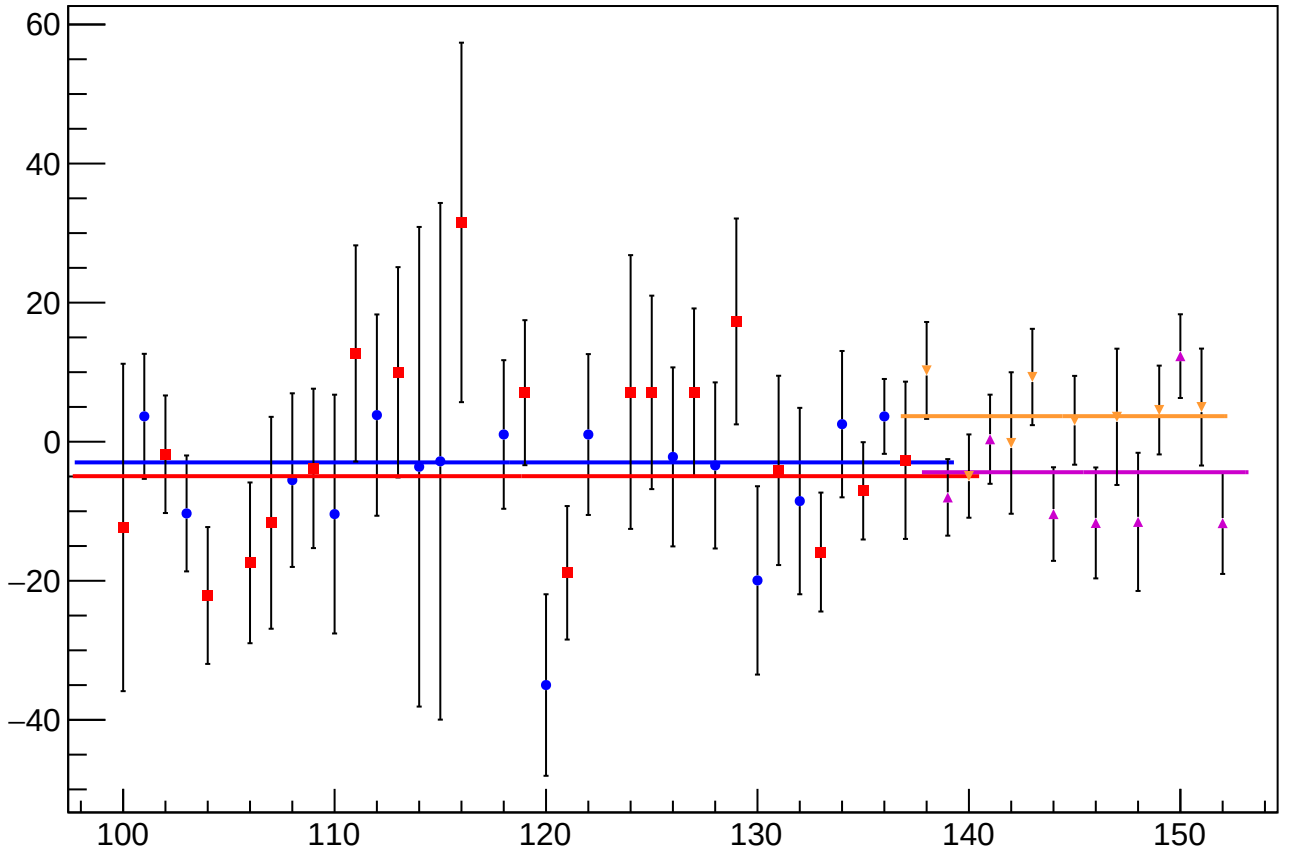
Left: 655.645+/-0.145 χ^2/NDF: 3152471.4/14

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 667.331+/-0.138 χ^2/NDF:2678537.6/22

Out: 699.502+/-0.141 χ^2/NDF:1790803.7/26

All: 683.014+/-0.099 χ^2/NDF: 4495986.8/49



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: -4.386+/-2.569 χ^2/NDF:11.8/6

Left: -0.342+/-1.813 χ^2/NDF: 20.6/14

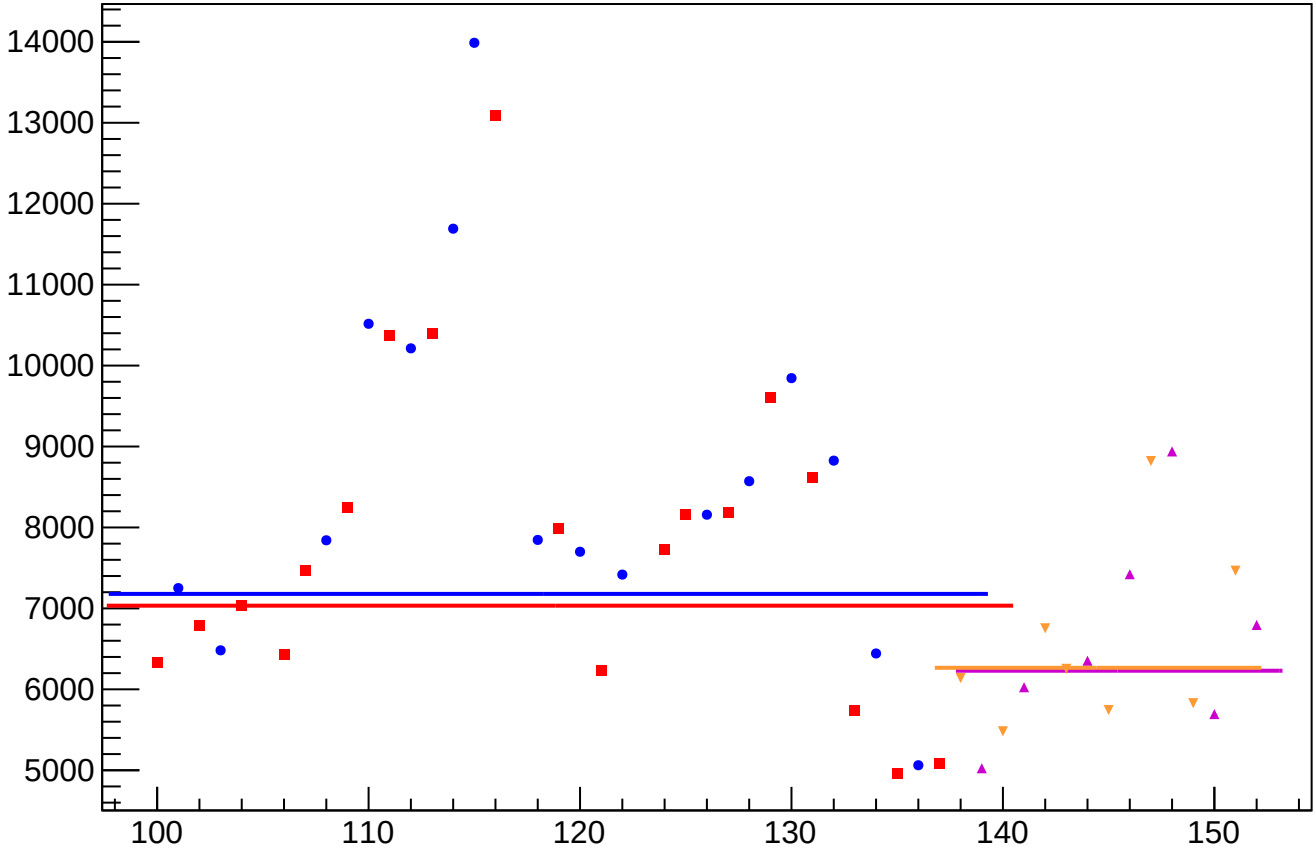
Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -3.727+/-1.876 χ^2/NDF:23.5/22

Out: -0.486+/-1.842 χ^2/NDF:27.8/26

All: -2.077+/-1.314 χ^2/NDF: 52.8/49

diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected



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: 6229.900+/-1.816 χ^2/NDF:319806.1/6

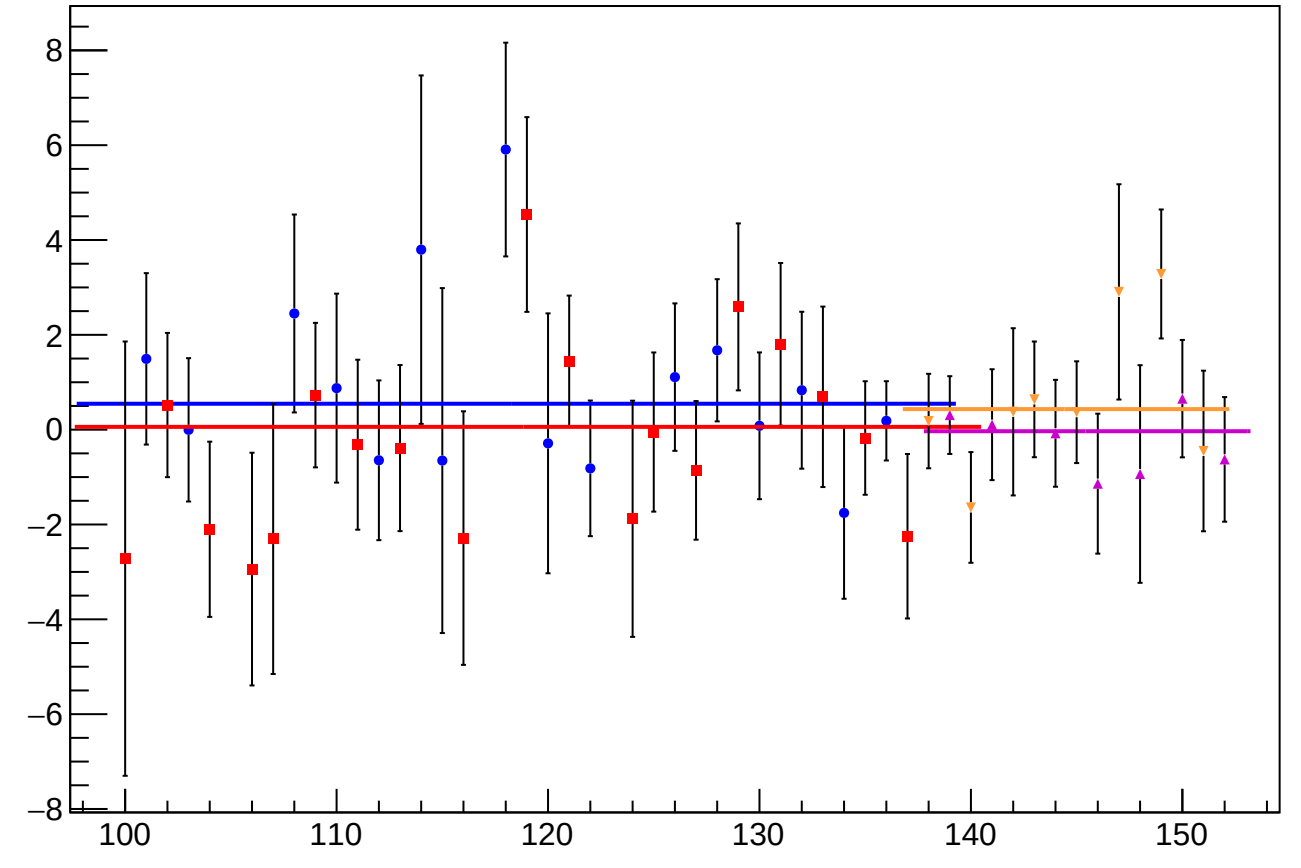
Left: 6248.051+/-1.282 χ^2/NDF: 558939.4/14

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6672.757+/-1.326 χ^2/NDF:1209146.8/22

Out: 6636.098+/-1.303 χ^2/NDF:1091983.4/26

All: 6654.096+/-0.929 χ^2/NDF: 2301519.0/49



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: -0.033+/-0.452 χ^2/NDF:1.4/6

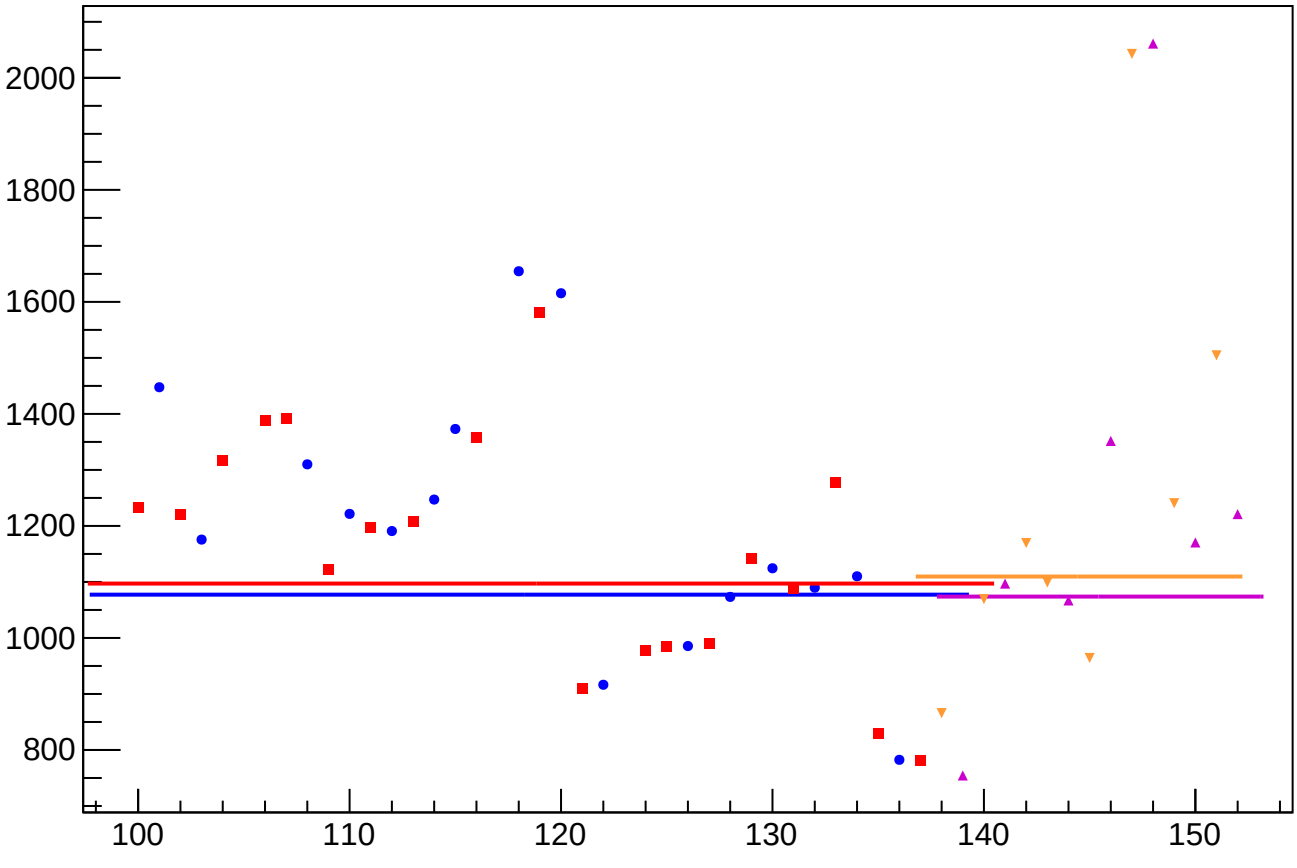
Left: 0.195+/-0.323 χ^2/NDF: 11.0/14

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.285+/-0.304 χ^2/NDF:14.3/22

Out: 0.224+/-0.306 χ^2/NDF:26.3/26

All: 0.254+/-0.216 χ^2/NDF: 40.6/49



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: 1073.863+/-0.320 χ^2/NDF:782603.0/6

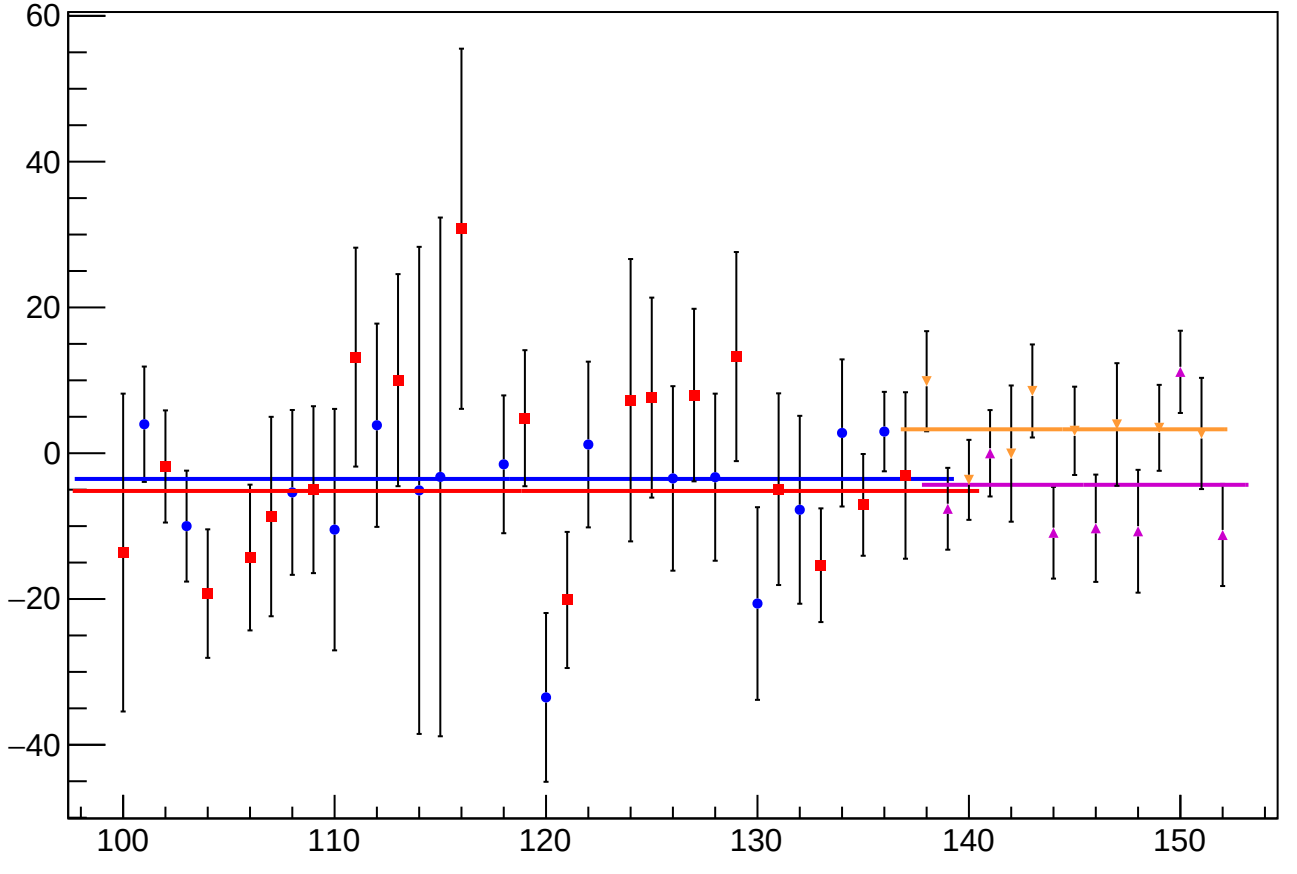
Left: 1091.390+/-0.229 χ^2/NDF: 1415268.8/14

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1075.750+/-0.215 χ^2/NDF:1429188.2/22

Out: 1102.624+/-0.216 χ^2/NDF:1111733.0/26

All: 1089.098+/-0.153 χ^2/NDF: 2548676.8/49



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: -4.334+/-2.427 χ^2/NDF:11.7/6

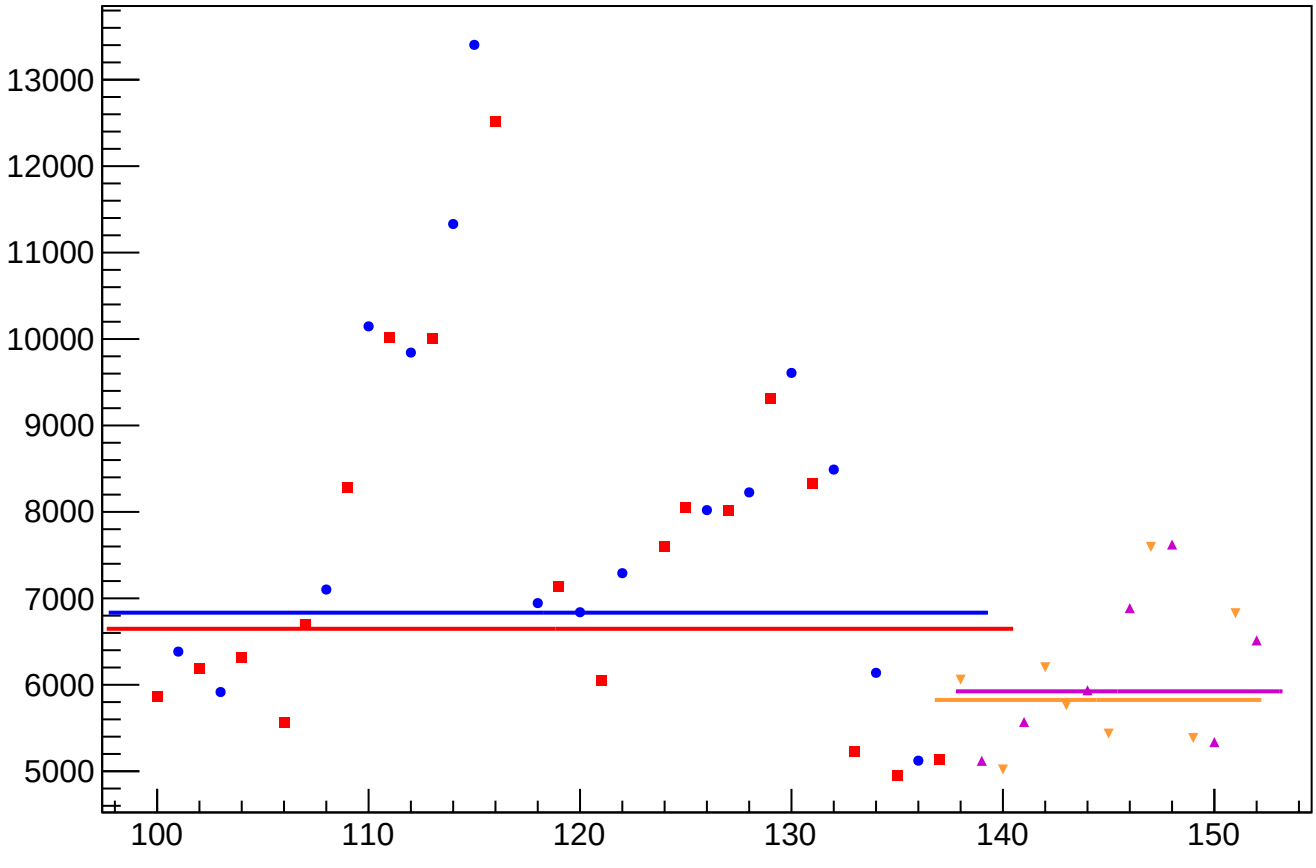
Left: -0.439+/-1.696 χ^2/NDF: 20.1/14

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -3.959+/-1.777 χ^2/NDF:24.4/22

Out: -0.711+/-1.723 χ^2/NDF:27.5/26

All: -2.286+/-1.237 χ^2/NDF: 53.6/49



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: 5924.359+/-1.716 χ^2/NDF:199369.3/6

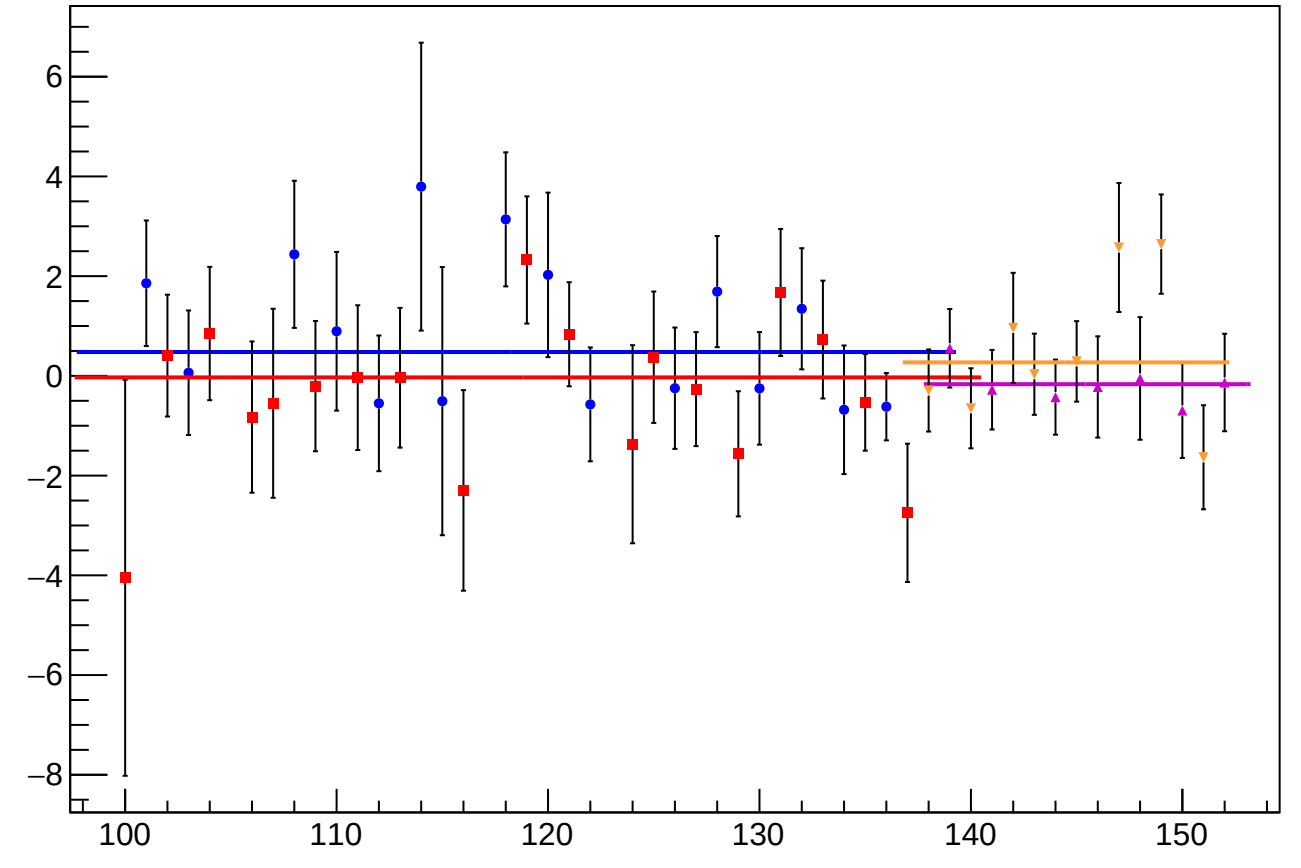
Left: 5873.397+/-1.199 χ^2/NDF: 392475.1/14

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6346.611+/-1.256 χ^2/NDF:1022583.5/22

Out: 6213.430+/-1.219 χ^2/NDF:1090245.9/26

All: 6277.991+/-0.875 χ^2/NDF: 2118620.0/49



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: -0.166+/-0.338 χ^2/NDF:1.3/6

Left: 0.060+/-0.235 χ^2/NDF: 16.6/14

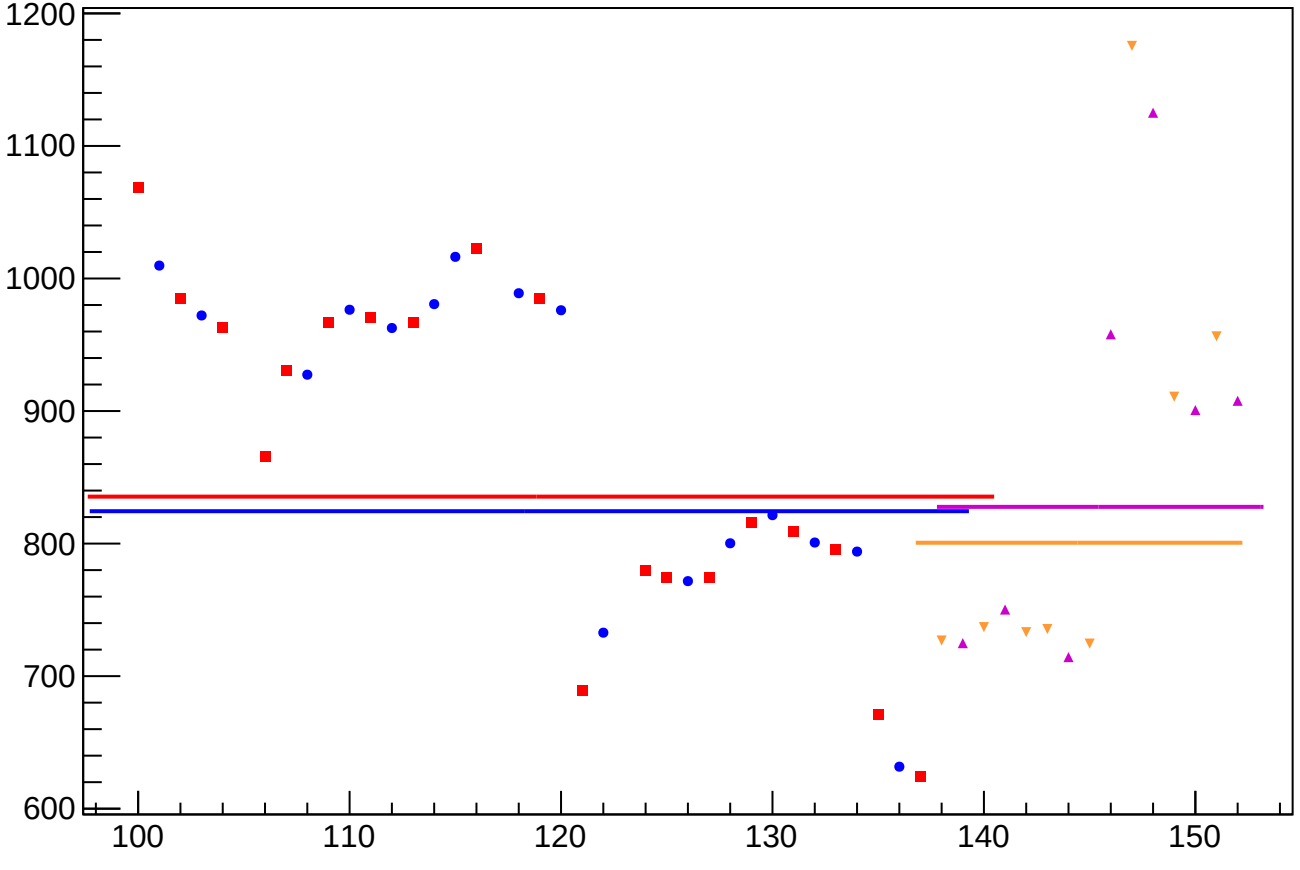
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.184+/-0.229 χ^2/NDF:20.0/22

Out: 0.112+/-0.224 χ^2/NDF:30.6/26

All: 0.147+/-0.160 χ^2/NDF: 50.6/49

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



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: 827.713+/-0.239 χ^2/NDF:273332.1/6

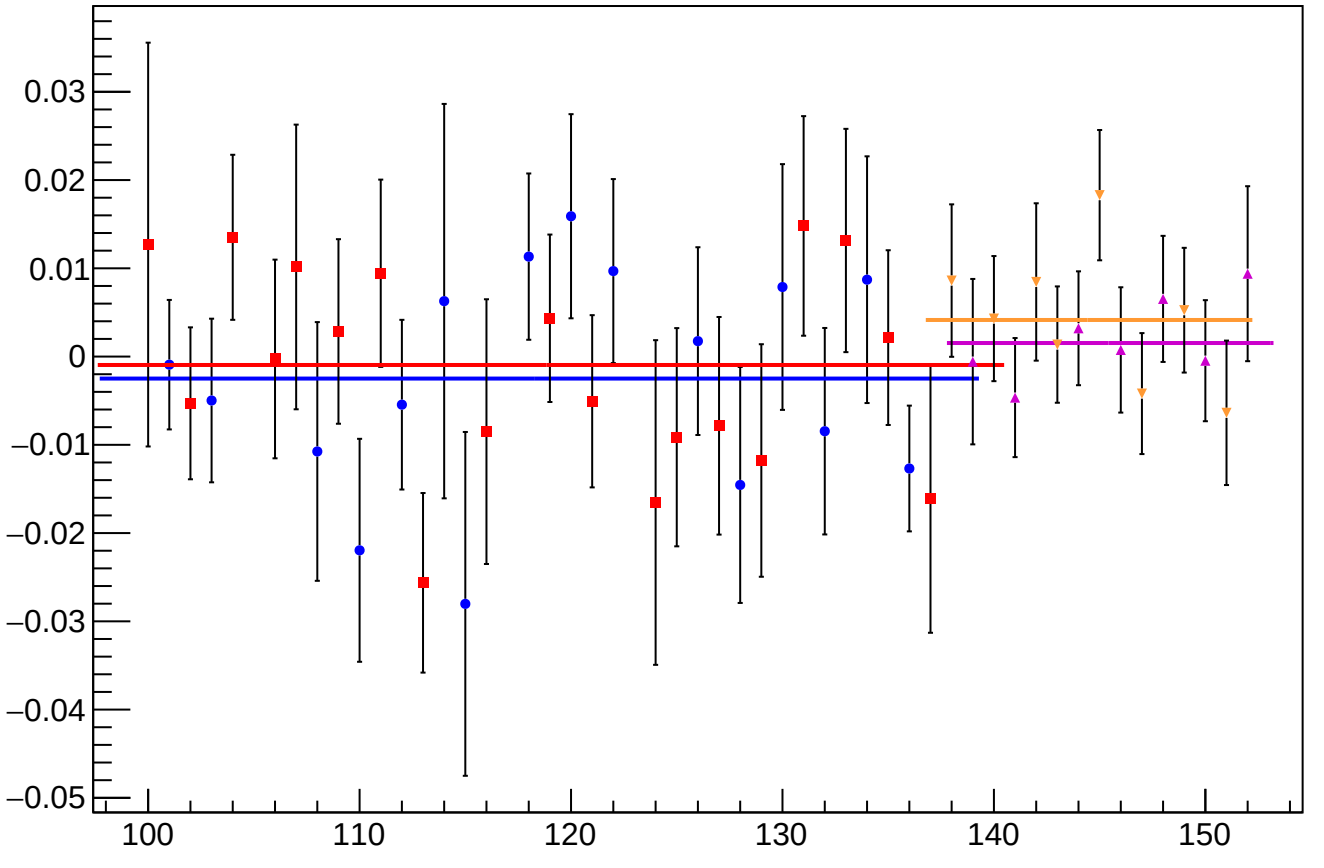
Left: 813.666+/-0.166 χ^2/NDF: 583741.3/14

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 825.933+/-0.162 χ^2/NDF:638895.9/22

Out: 818.989+/-0.158 χ^2/NDF:635094.2/26

All: 822.386+/-0.113 χ^2/NDF: 1274929.9/49



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: 0.002+/-0.003 χ^2/NDF:2.2/6

Left: 0.003+/-0.002 χ^2/NDF: 10.1/14

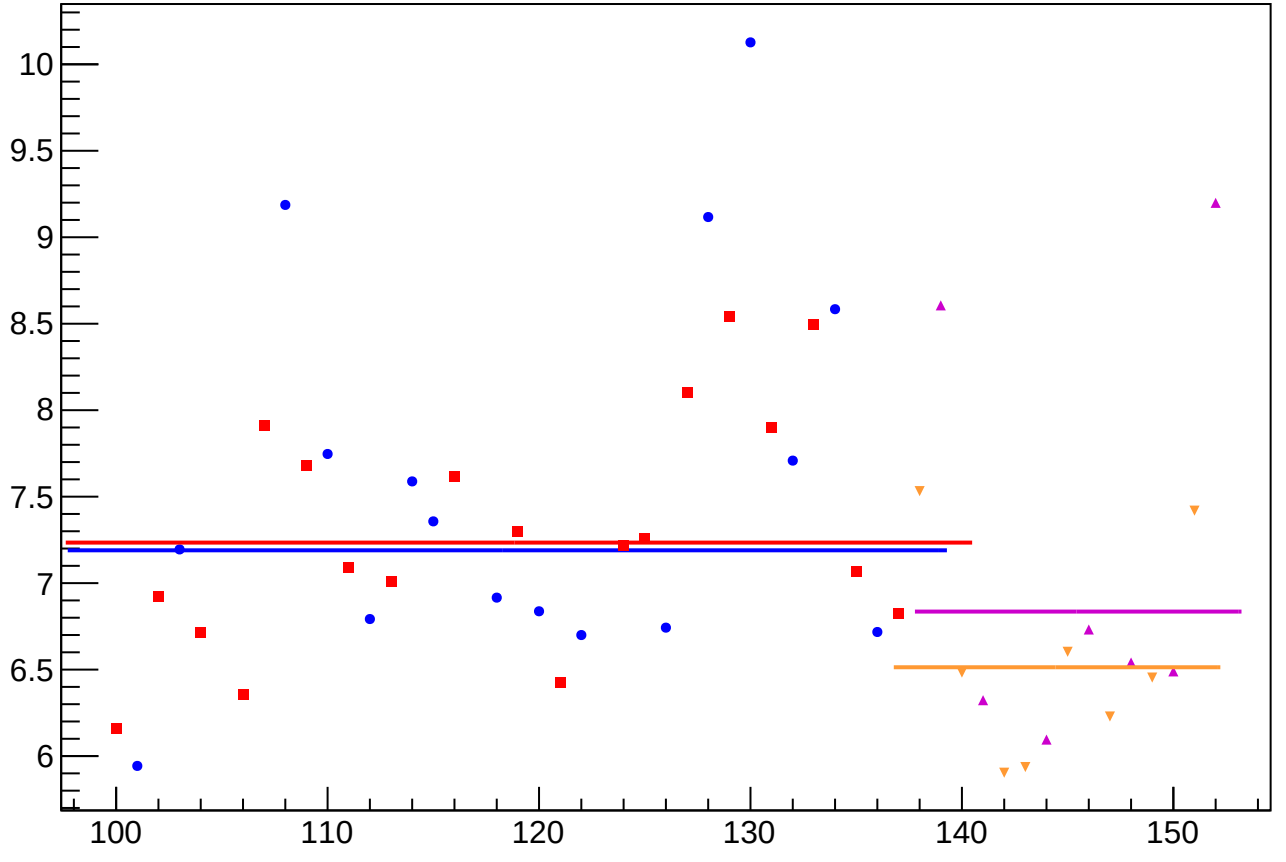
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.001+/-0.002 χ^2/NDF:18.5/22

Out: 0.002+/-0.002 χ^2/NDF:26.7/26

All: 0.001+/-0.001 χ^2/NDF: 45.8/49

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: 6.836+/-0.002 χ^2/NDF:231846.7/6

Left: 6.665+/-0.001 χ^2/NDF: 326787.4/14

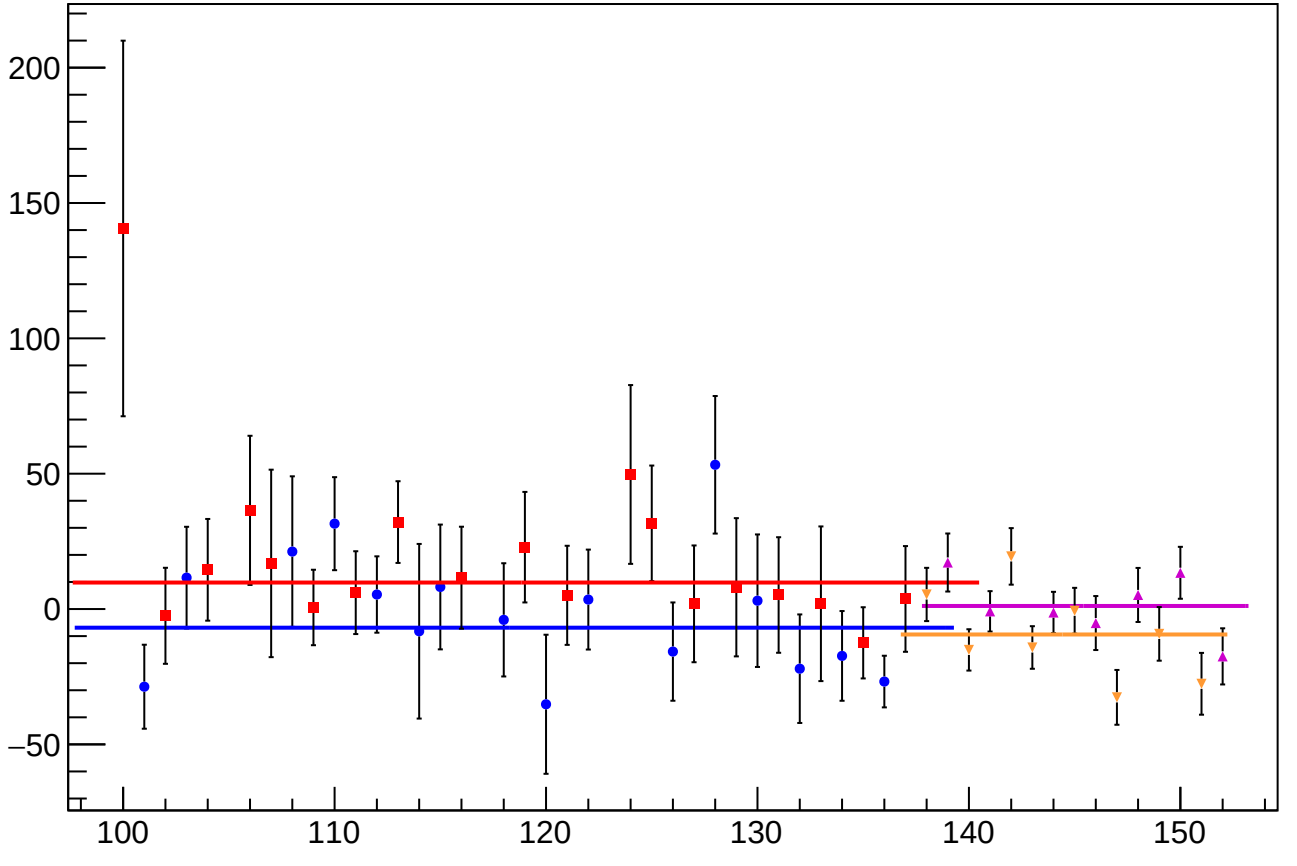
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.018+/-0.001 χ^2/NDF:526069.4/22

Out: 6.871+/-0.001 χ^2/NDF:261194.1/26

All: 6.942+/-0.001 χ^2/NDF: 793163.3/49

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -9.399+/-3.255 χ^2/NDF:19.7/7

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 1.135+/-3.449 χ^2/NDF:7.8/6

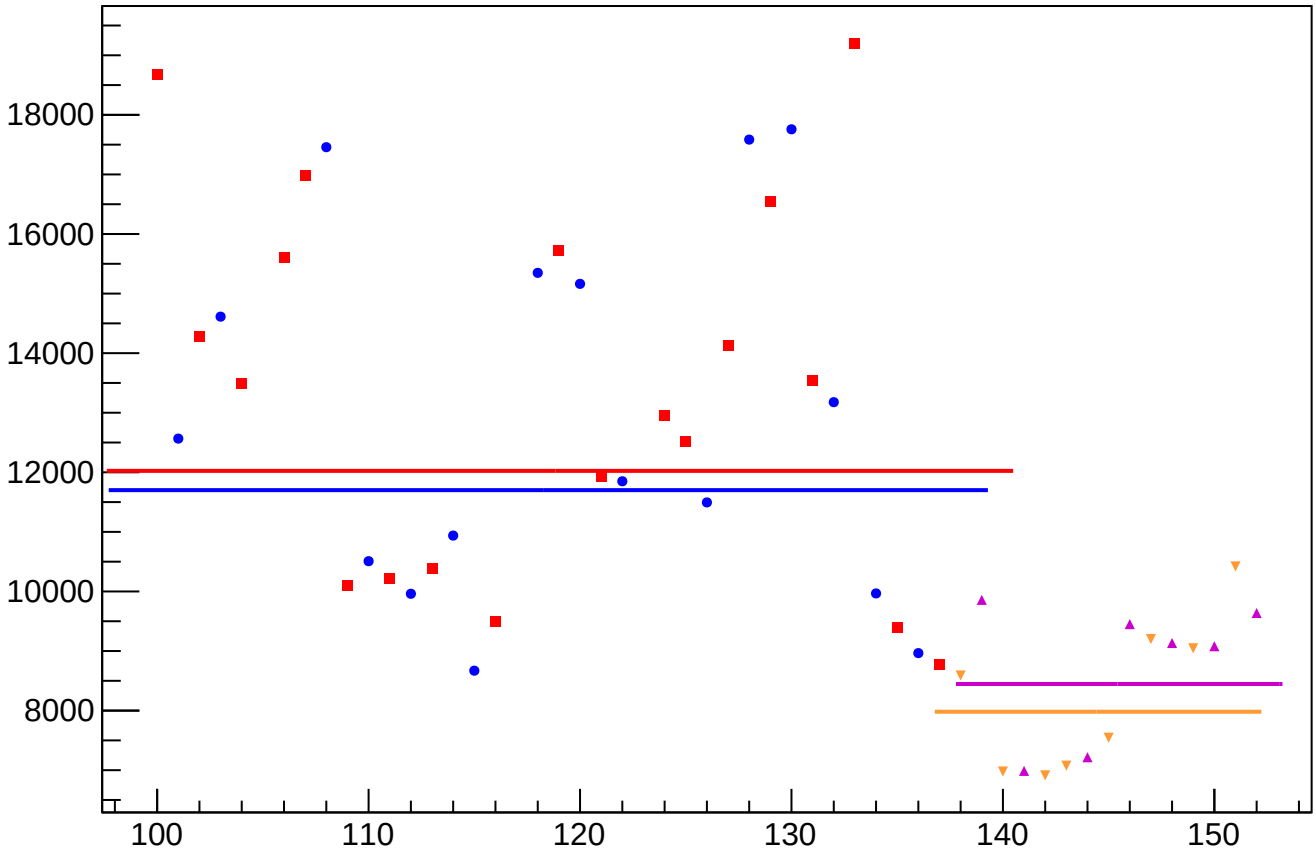
Left: -4.438+/-2.367 χ^2/NDF: 32.5/14

Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -1.845+/-2.735 χ^2/NDF:32.9/22

Out: -2.842+/-2.641 χ^2/NDF:45.6/26

All: -2.361+/-1.900 χ^2/NDF: 78.5/49



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: 8446.860+/-2.439 χ^2/NDF:227838.2/6

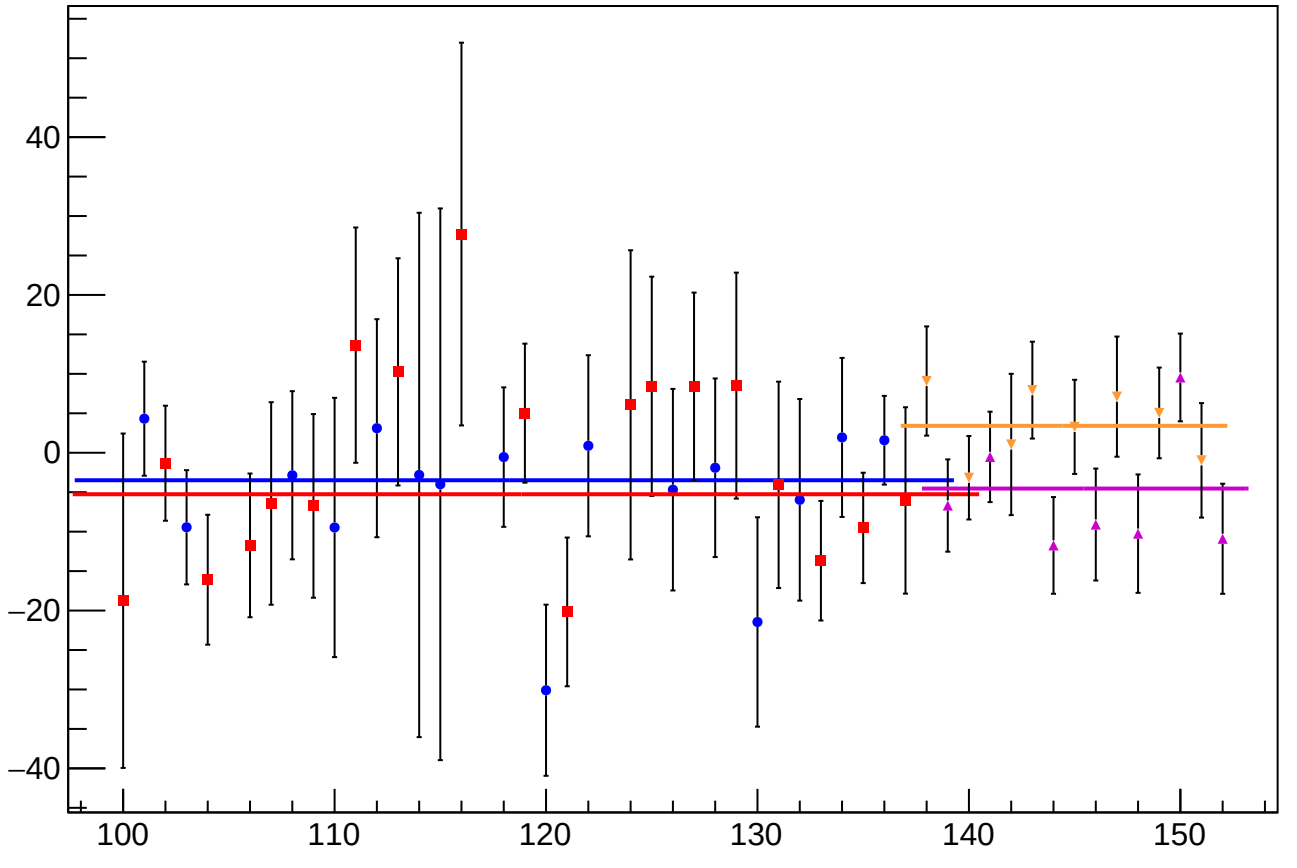
Left: 8200.646+/-1.674 χ^2/NDF: 485513.3/14

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9654.990+/-1.934 χ^2/NDF:1628825.1/22

Out: 9362.919+/-1.867 χ^2/NDF:1977700.1/26

All: 9503.834+/-1.343 χ^2/NDF: 3618329.7/49



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: -4.537+/-2.378 χ^2/NDF:10.2/6

Left: -0.417+/-1.650 χ^2/NDF: 19.6/14

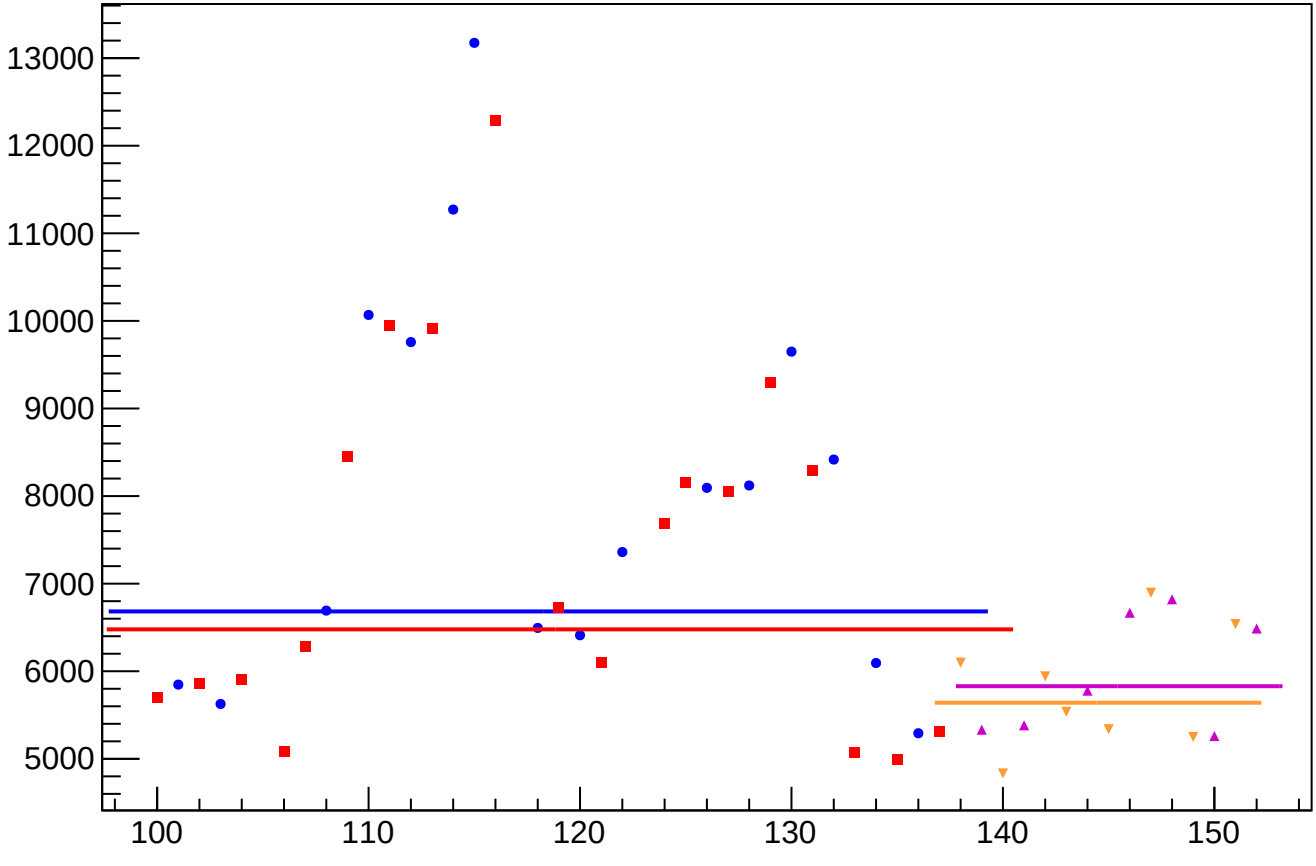
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -4.048+/-1.739 χ^2/NDF:21.8/22

Out: -0.642+/-1.673 χ^2/NDF:26.8/26

All: -2.279+/-1.206 χ^2/NDF: 50.6/49

diff_targ_positionY_rms vs Slug, Sign Corrected



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: 5829.179+/-1.681 χ^2/NDF:128466.4/6

Left: 5731.570+/-1.167 χ^2/NDF: 292606.8/14

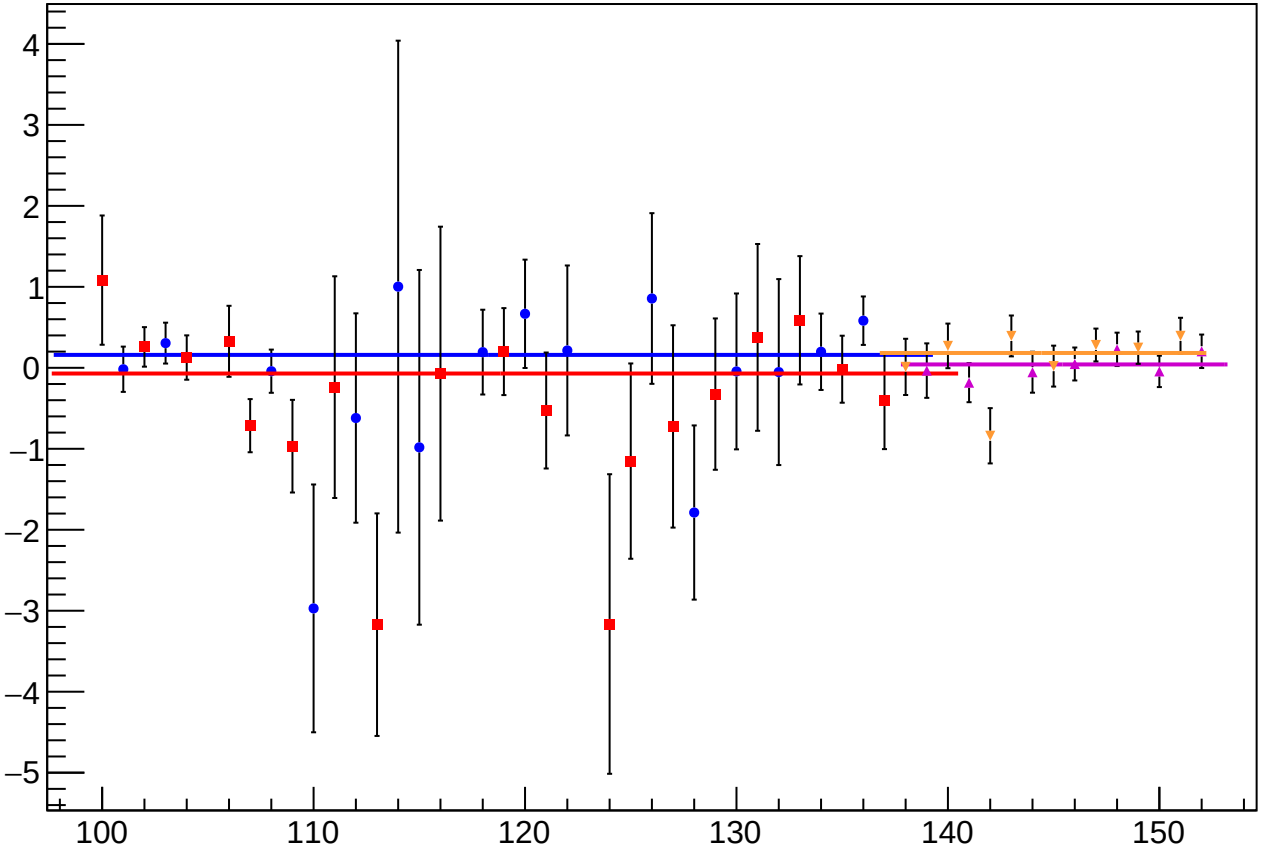
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6226.328+/-1.230 χ^2/NDF:940624.1/22

Out: 6032.298+/-1.183 χ^2/NDF:1121613.1/26

All: 6125.549+/-0.852 χ^2/NDF: 2075170.8/49

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: 0.042+/-0.085 χ^2/NDF:2.7/6

Left: 0.110+/-0.061 χ^2/NDF: 15.7/14

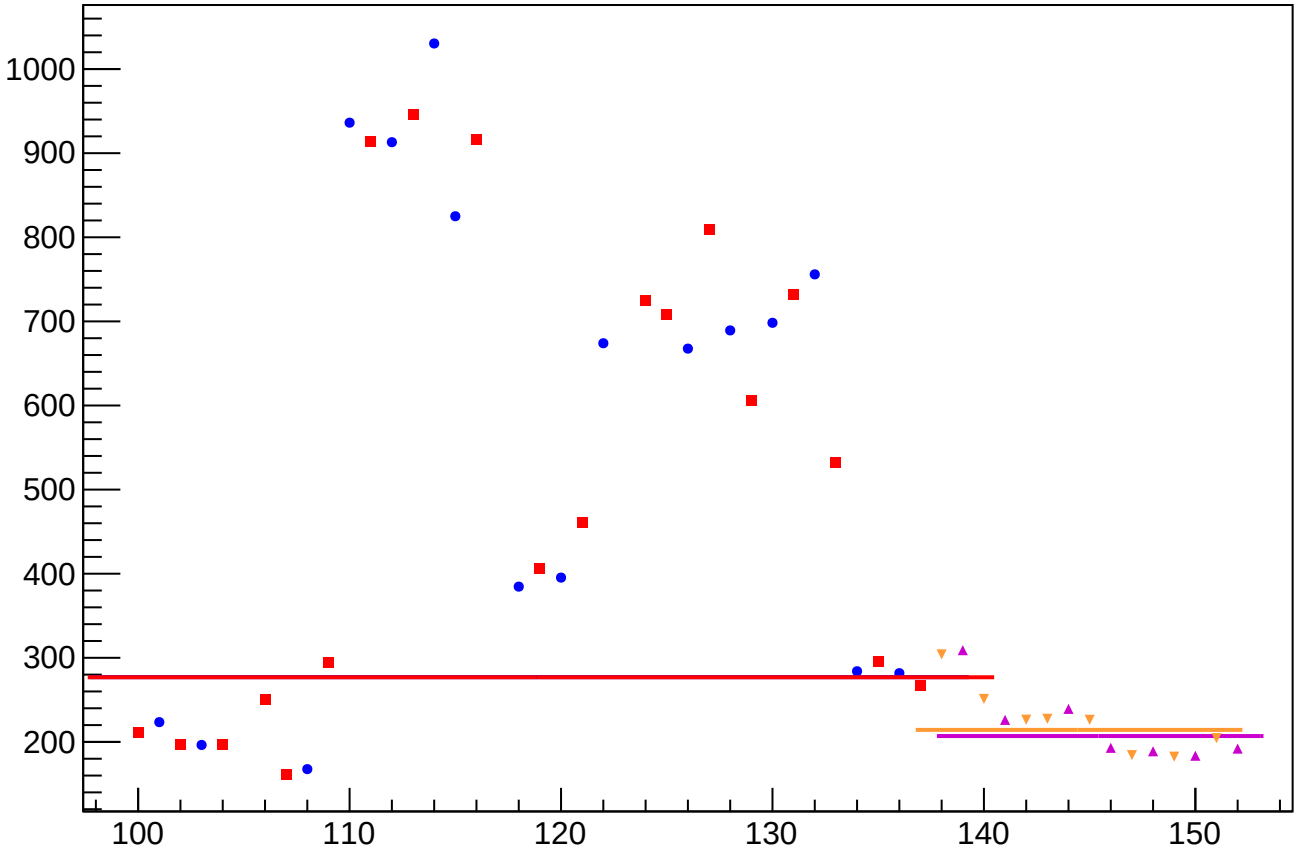
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.081+/-0.069 χ^2/NDF:15.9/22

Out: 0.095+/-0.071 χ^2/NDF:37.1/26

All: 0.088+/-0.049 χ^2/NDF: 53.0/49

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: 206.993+/-0.060 χ^2/NDF:294030.6/6

Left: 210.534+/-0.043 χ^2/NDF: 581797.7/14

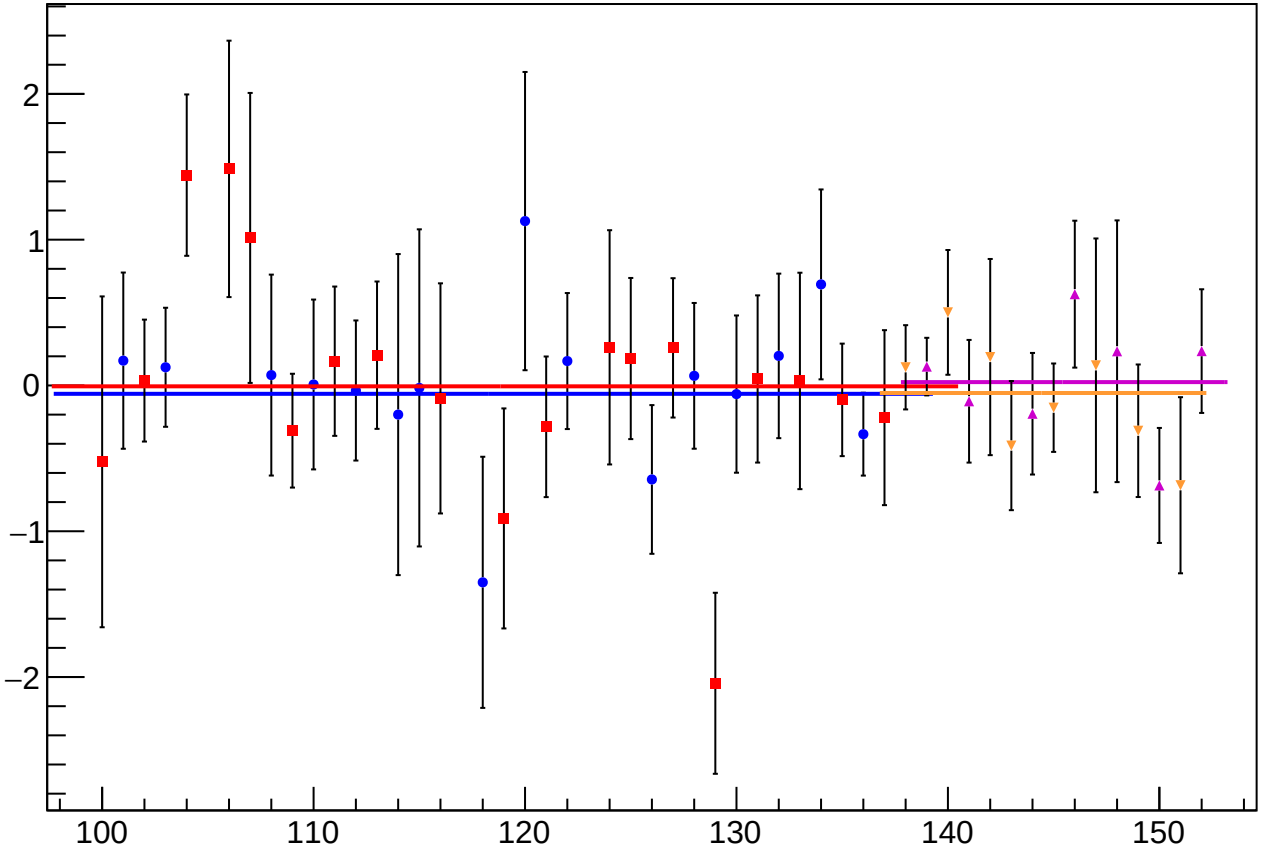
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 230.390+/-0.049 χ^2/NDF:4201227.5/22

Out: 236.060+/-0.050 χ^2/NDF:4208528.9/26

All: 233.165+/-0.035 χ^2/NDF: 8416344.8/49

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: 0.023+/-0.136 χ^2/NDF:5.6/6

Left: -0.011+/-0.101 χ^2/NDF: 10.2/14

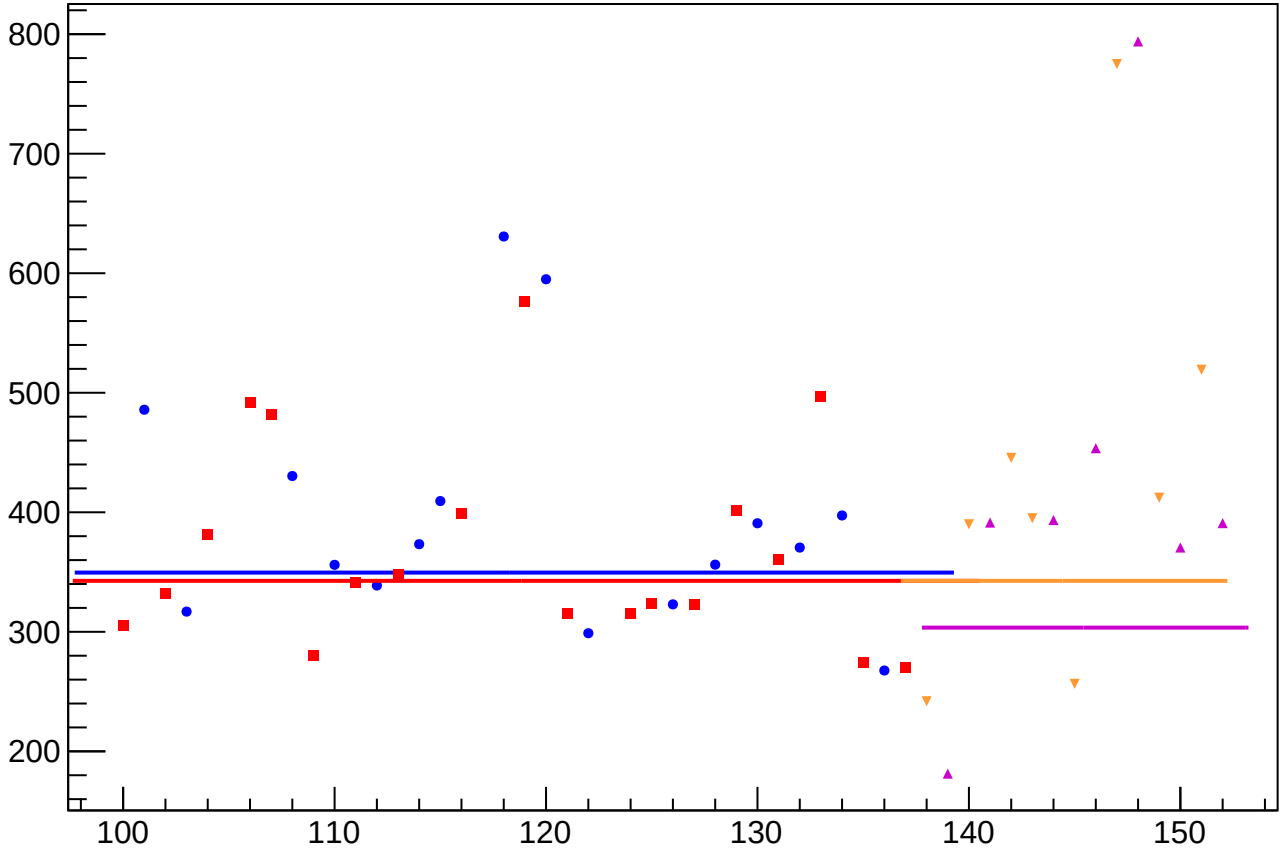
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.018+/-0.095 χ^2/NDF:13.9/22

Out: -0.025+/-0.098 χ^2/NDF:29.6/26

All: -0.021+/-0.068 χ^2/NDF: 43.6/49

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: 303.509+/-0.096 χ^2/NDF:1862573.2/6

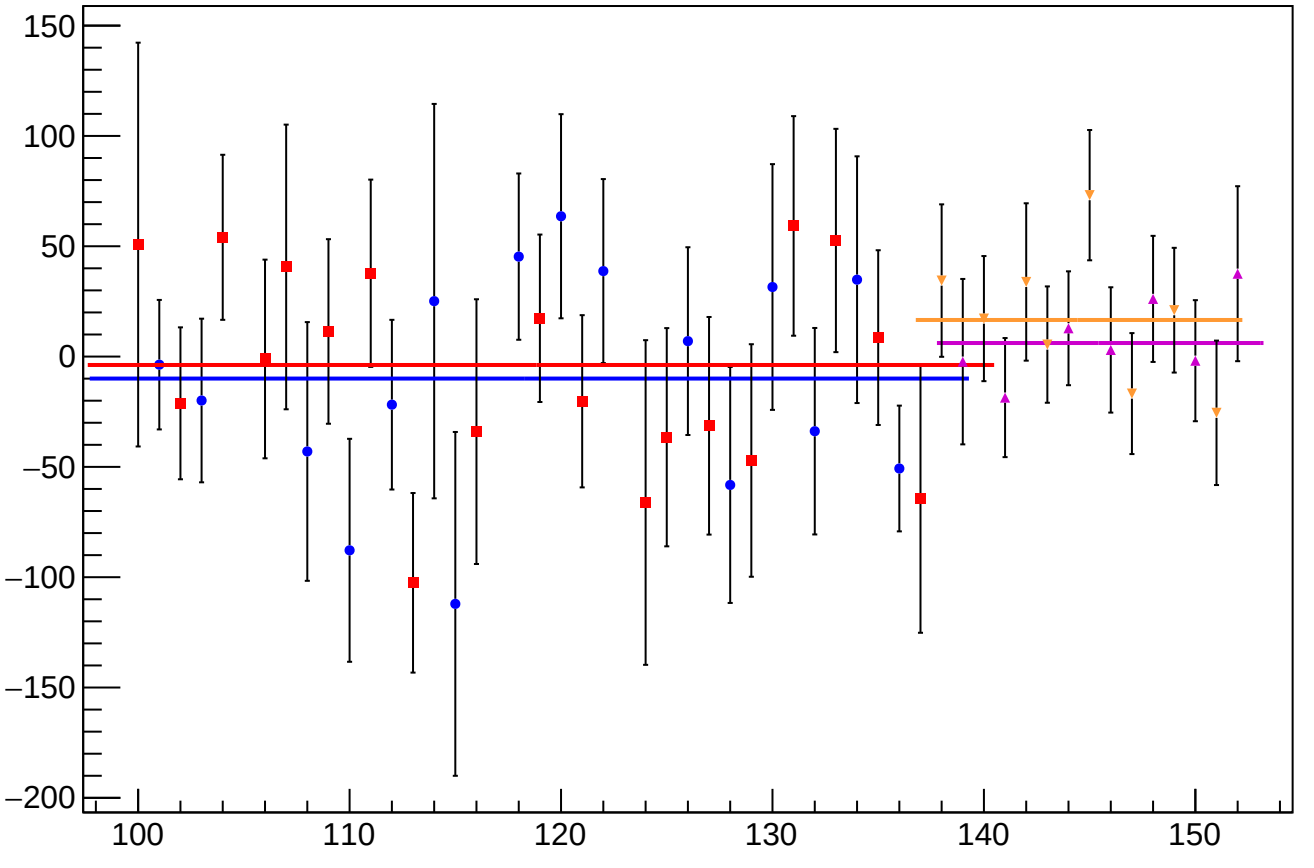
Left: 321.159+/-0.071 χ^2/NDF: 3152471.4/14

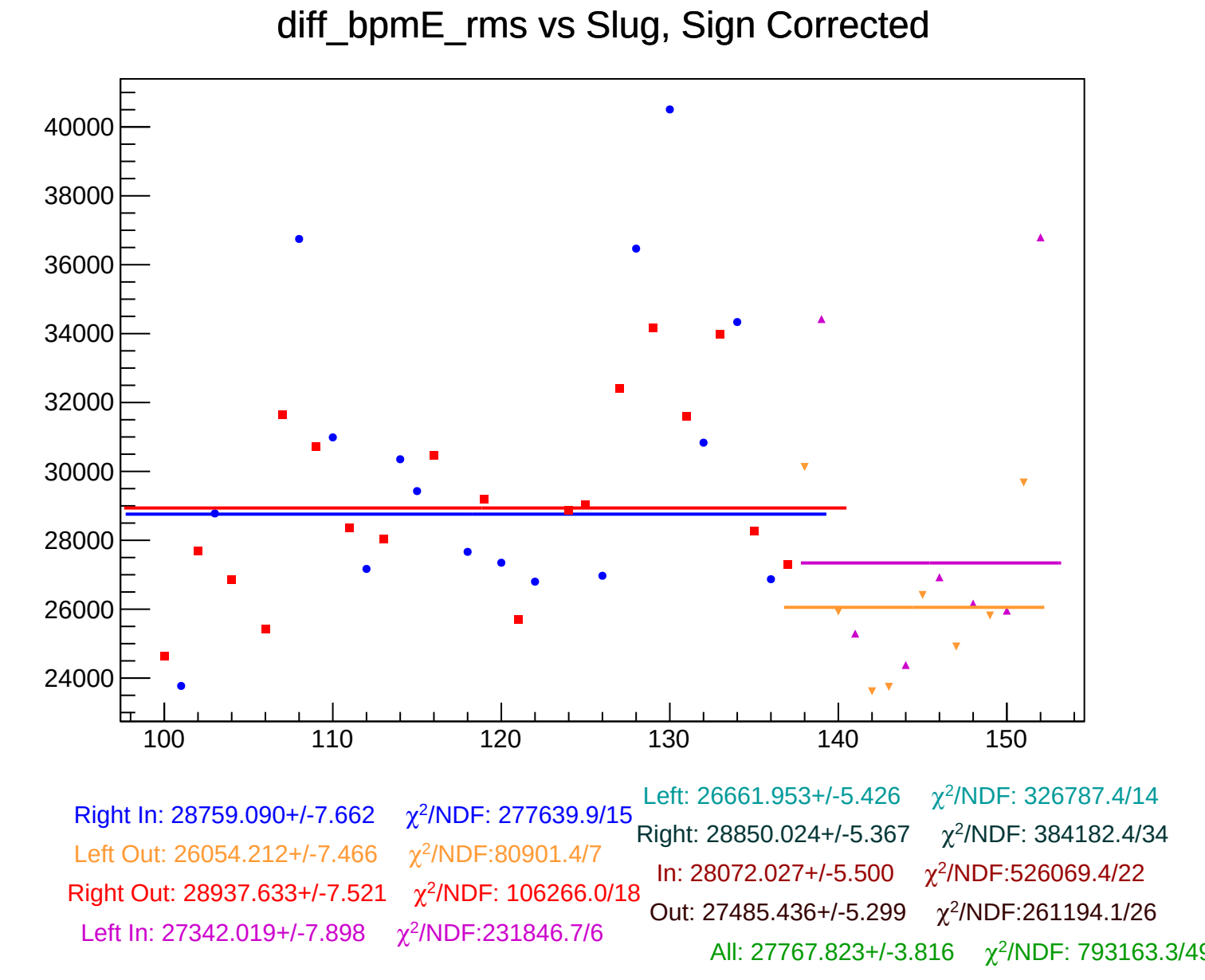
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

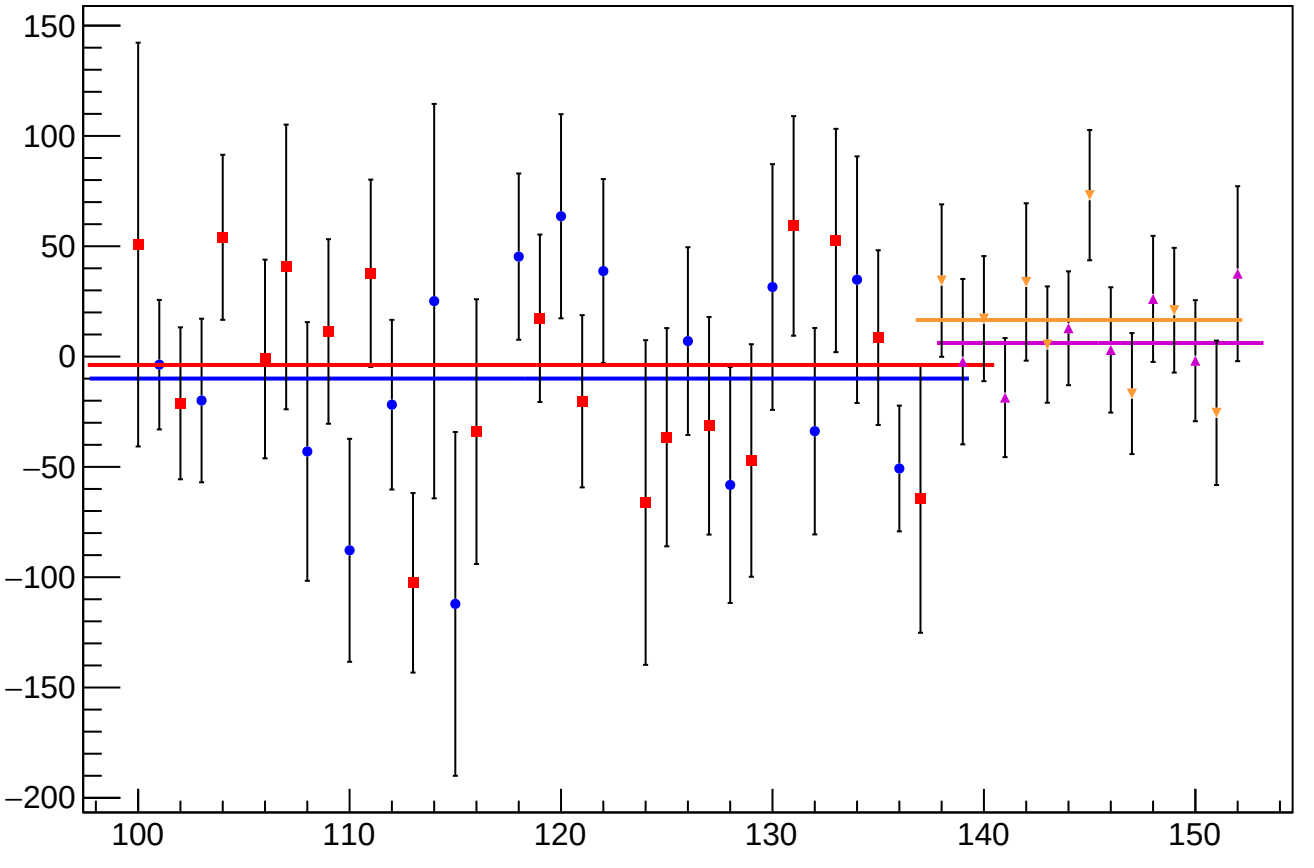
In: 326.883+/-0.067 χ^2/NDF:2678537.6/22

Out: 342.641+/-0.069 χ^2/NDF:1790803.7/26

All: 334.565+/-0.048 χ^2/NDF: 4495986.8/49


diff_bpmE_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
Right In: -9.969+/-10.836 χ²/NDF: 15.3/15
Left Out: 16.585+/-10.559 χ²/NDF:7.5/7
Right Out: -3.814+/-10.636 χ²/NDF: 17.3/18
Left In: 6.144+/-11.170 χ²/NDF:2.2/6
Left: 11.658+/-7.673 χ²/NDF: 10.1/14
Right: -6.834+/-7.591 χ²/NDF: 32.8/34
In: -2.157+/-7.778 χ²/NDF:18.5/22
Out: 6.460+/-7.494 χ²/NDF:26.7/26
All: 2.312+/-5.396 χ²/NDF: 45.8/49


diff_bpmE_rms vs Slug, Sign Corrected
40000
38000
36000
34000
32000
30000
28000
26000
24000
100
110
120
130
140
150
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 26054.212+/-7.466 χ²/NDF:80901.4/7
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 27342.019+/-7.898 χ²/NDF:231846.7/6
Left: 26661.953+/-5.426 χ²/NDF: 326787.4/14
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 28072.027+/-5.500 χ²/NDF:526069.4/22
Out: 27485.436+/-5.299 χ²/NDF:261194.1/26
All: 27767.823+/-3.816 χ²/NDF: 793163.3/49



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: 6.144+/-11.170 χ^2/NDF:2.2/6

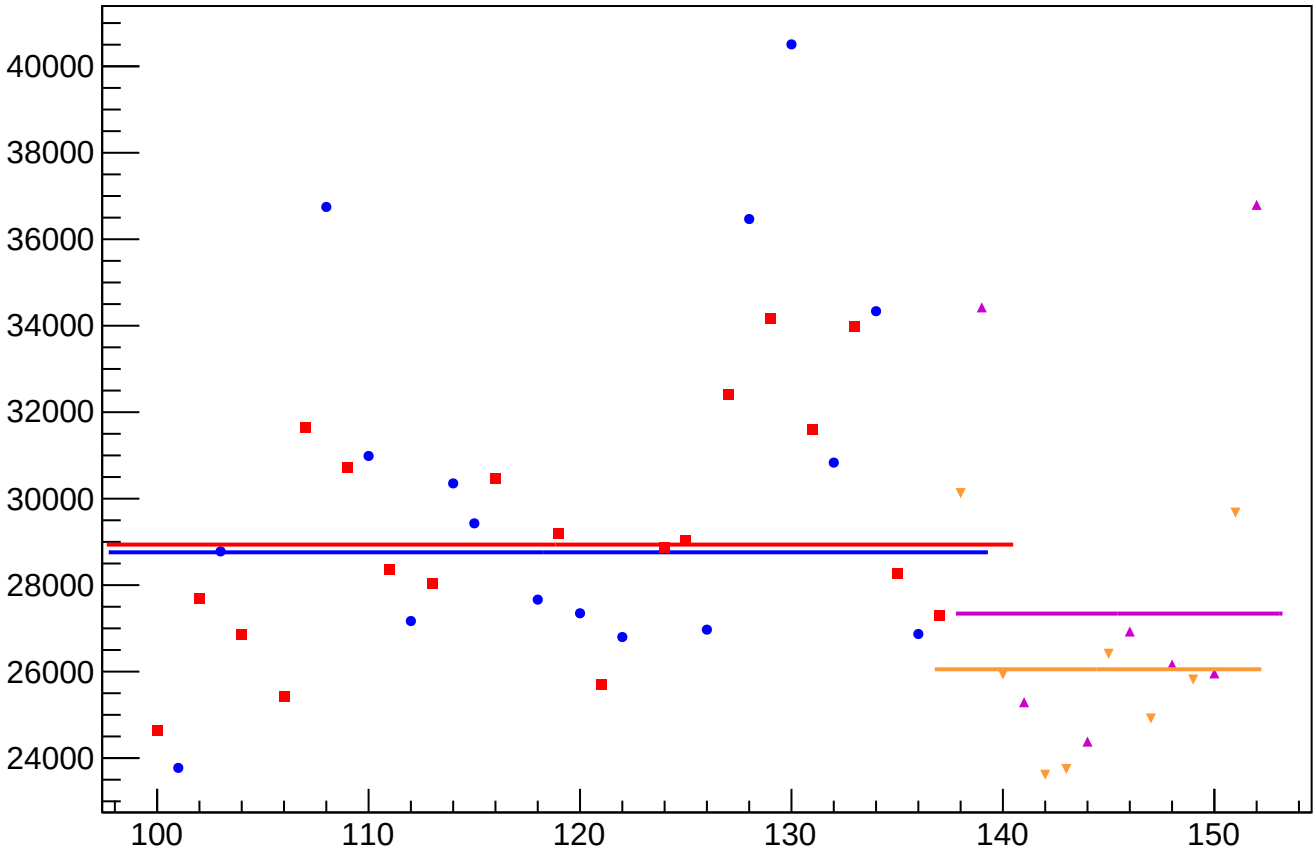
Left: 11.658+/-7.673 χ^2/NDF: 10.1/14

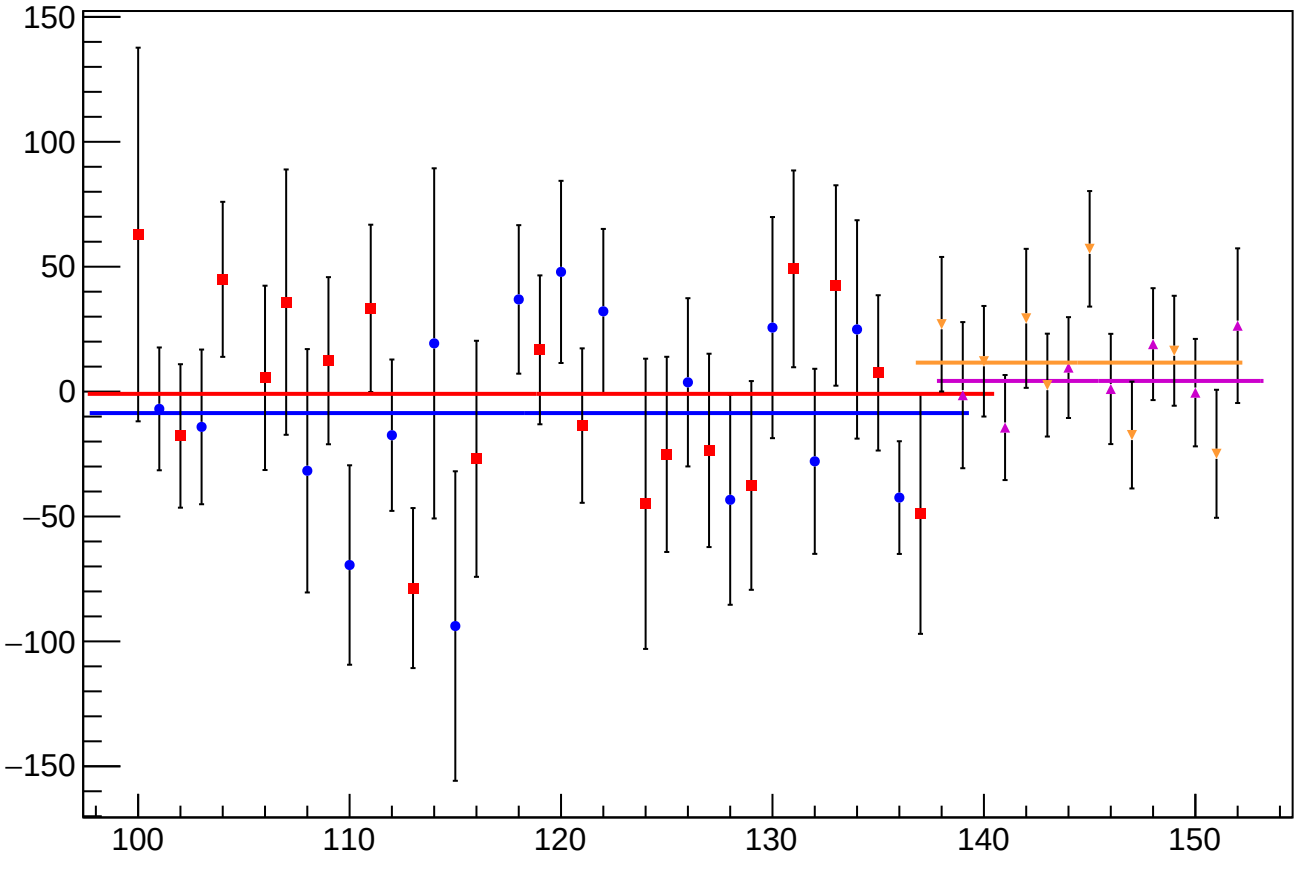
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -2.157+/-7.778 χ^2/NDF:18.5/22

Out: 6.460+/-7.494 χ^2/NDF:26.7/26

All: 2.312+/-5.396 χ^2/NDF: 45.8/49


diff_bpmEX_rms vs Slug, Sign Corrected
40000
38000
36000
34000
32000
30000
28000
26000
24000
100
110
120
130
140
150
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 26054.212+/-7.466 χ²/NDF:80901.4/7
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 27342.019+/-7.898 χ²/NDF:231846.7/6
Left: 26661.953+/-5.426 χ²/NDF: 326787.4/14
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 28072.027+/-5.500 χ²/NDF:526069.4/22
Out: 27485.436+/-5.299 χ²/NDF:261194.1/26
All: 27767.823+/-3.816 χ²/NDF: 793163.3/49



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: 4.268+/-8.725 χ^2/NDF:1.9/6

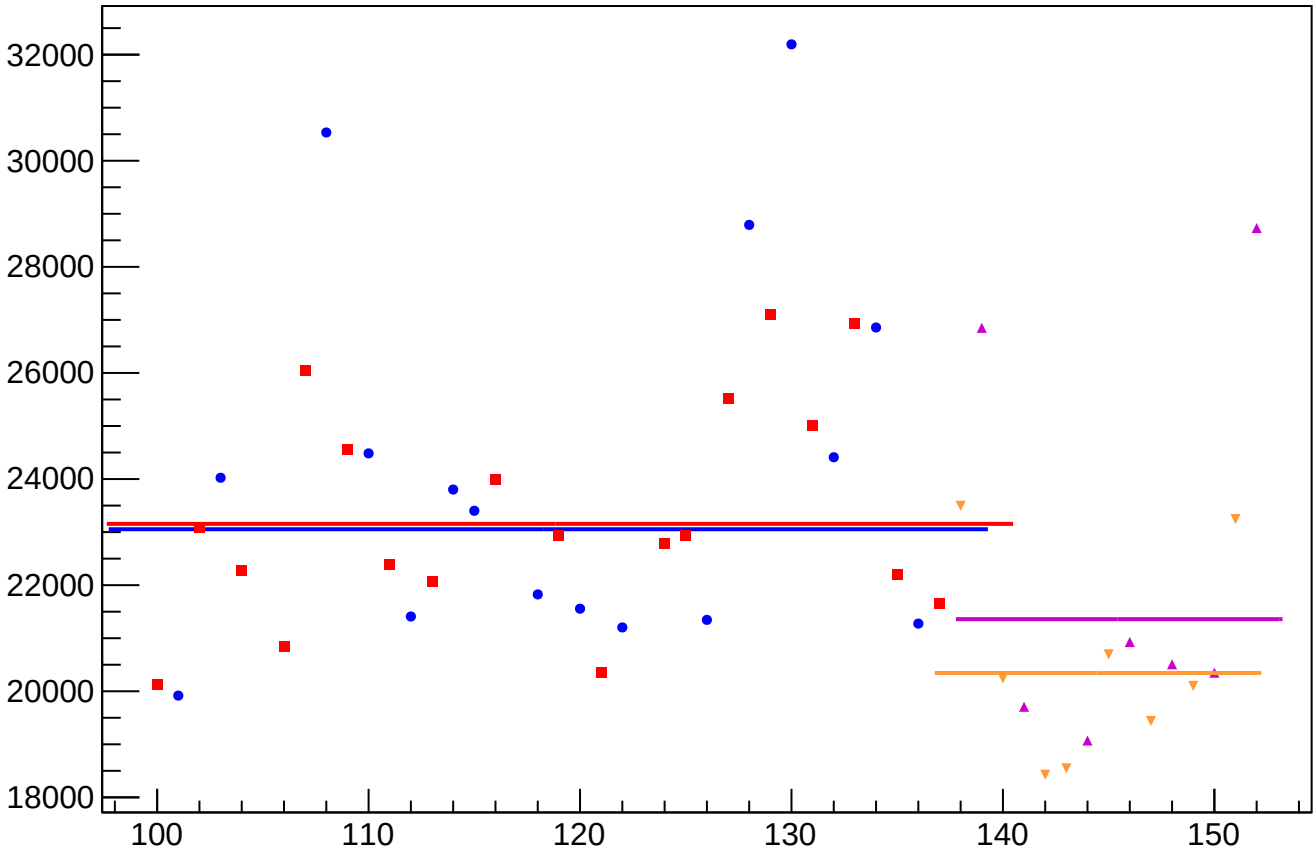
Left: 8.142+/-5.992 χ^2/NDF: 11.0/14

Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

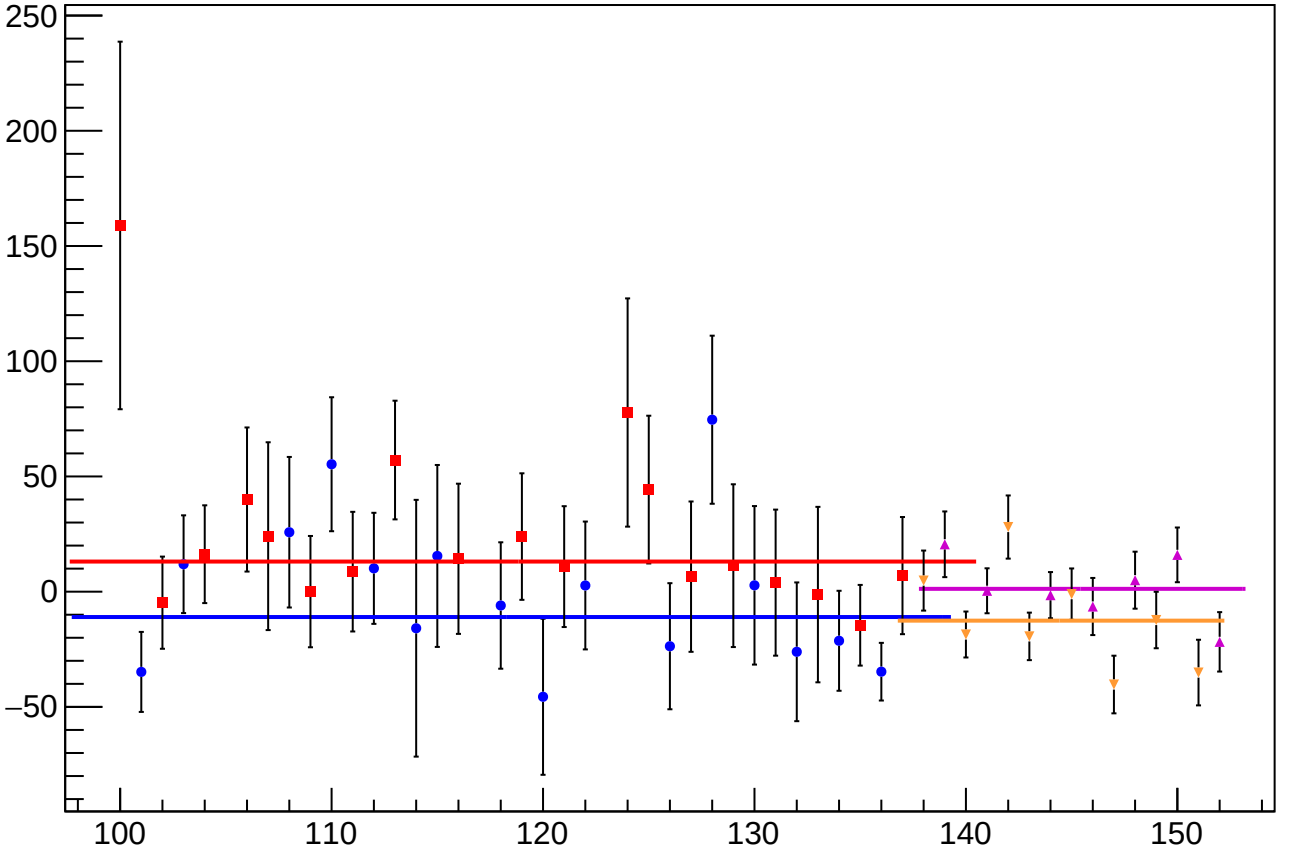
In: -2.200+/-6.153 χ^2/NDF:18.5/22

Out: 5.543+/-5.920 χ^2/NDF:27.4/26

All: 1.821+/-4.266 χ^2/NDF: 46.8/49


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
32000
30000
28000
26000
24000
22000
20000
18000
100
110
120
130
140
150
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 20345.123+/-5.830 χ²/NDF:82085.0/7
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 21359.142+/-6.170 χ²/NDF:229938.3/6
Left: 20823.427+/-4.237 χ²/NDF: 326294.6/14
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 22211.077+/-4.351 χ²/NDF:529314.6/22
Out: 21706.335+/-4.186 χ²/NDF:288533.7/26
All: 21948.965+/-3.017 χ²/NDF: 824837.2/49

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: 1.229+/-4.404 χ^2/NDF:7.1/6

Left: -6.001+/-3.039 χ^2/NDF: 32.1/14

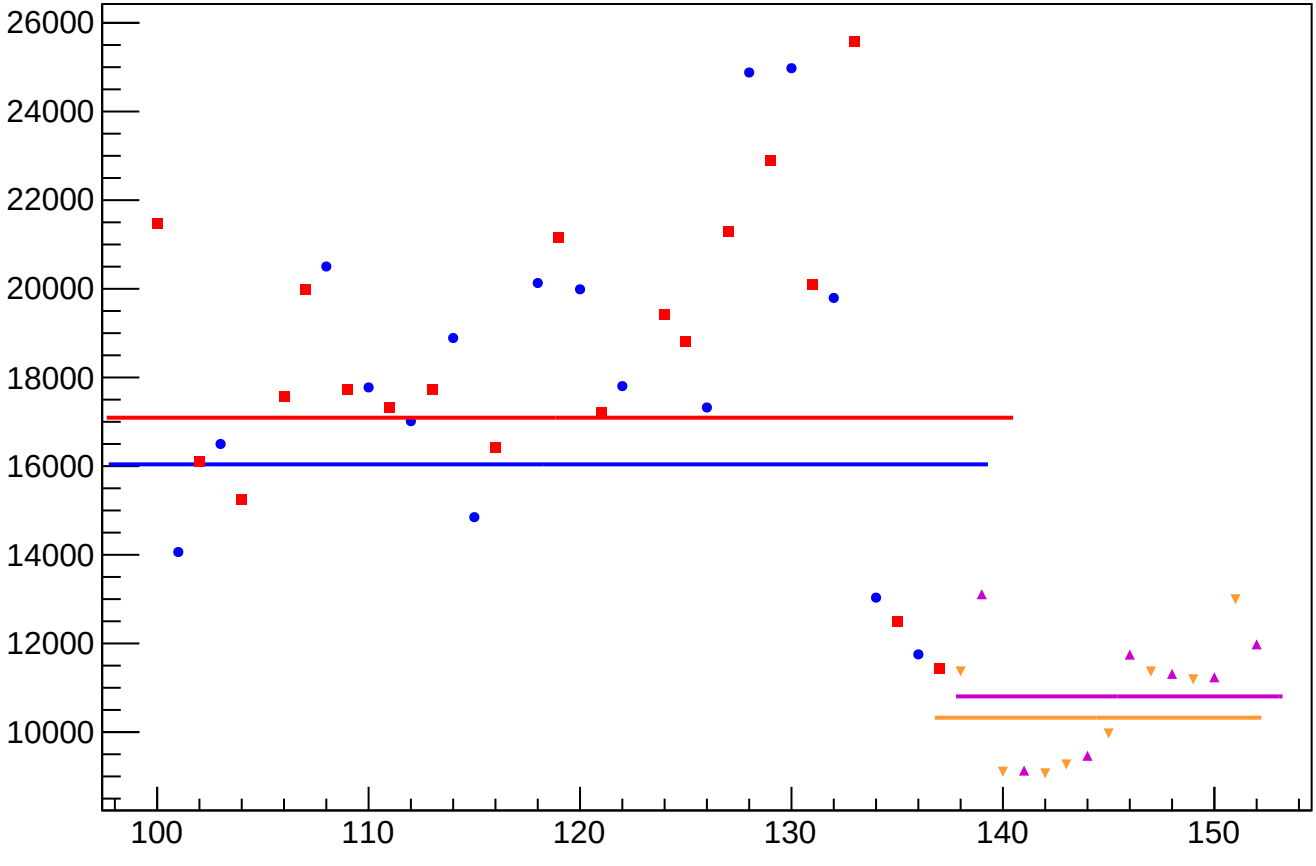
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -2.913+/-3.582 χ^2/NDF:31.8/22

Out: -4.825+/-3.508 χ^2/NDF:45.0/26

All: -3.889+/-2.506 χ^2/NDF: 76.9/49

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: 10805.481+/-3.114 χ^2/NDF:181021.2/6

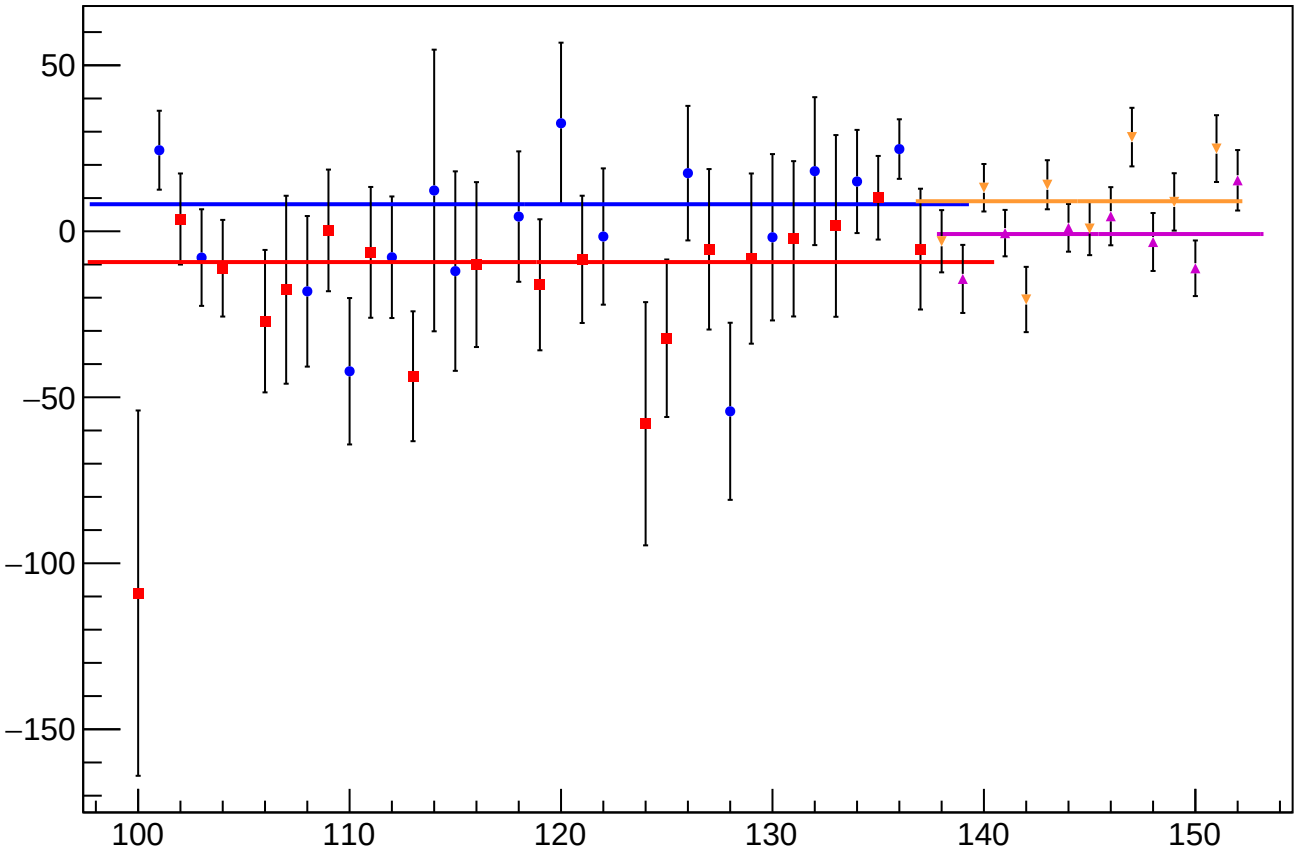
Left: 10553.975+/-2.149 χ^2/NDF: 370238.1/14

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 12578.160+/-2.533 χ^2/NDF:1860416.3/22

Out: 12369.647+/-2.480 χ^2/NDF:2281729.3/26

All: 12471.723+/-1.772 χ^2/NDF: 4145605.5/4



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: -0.827+/-3.134 χ^2/NDF:6.9/6

Left: 4.334+/-2.166 χ^2/NDF: 32.0/14

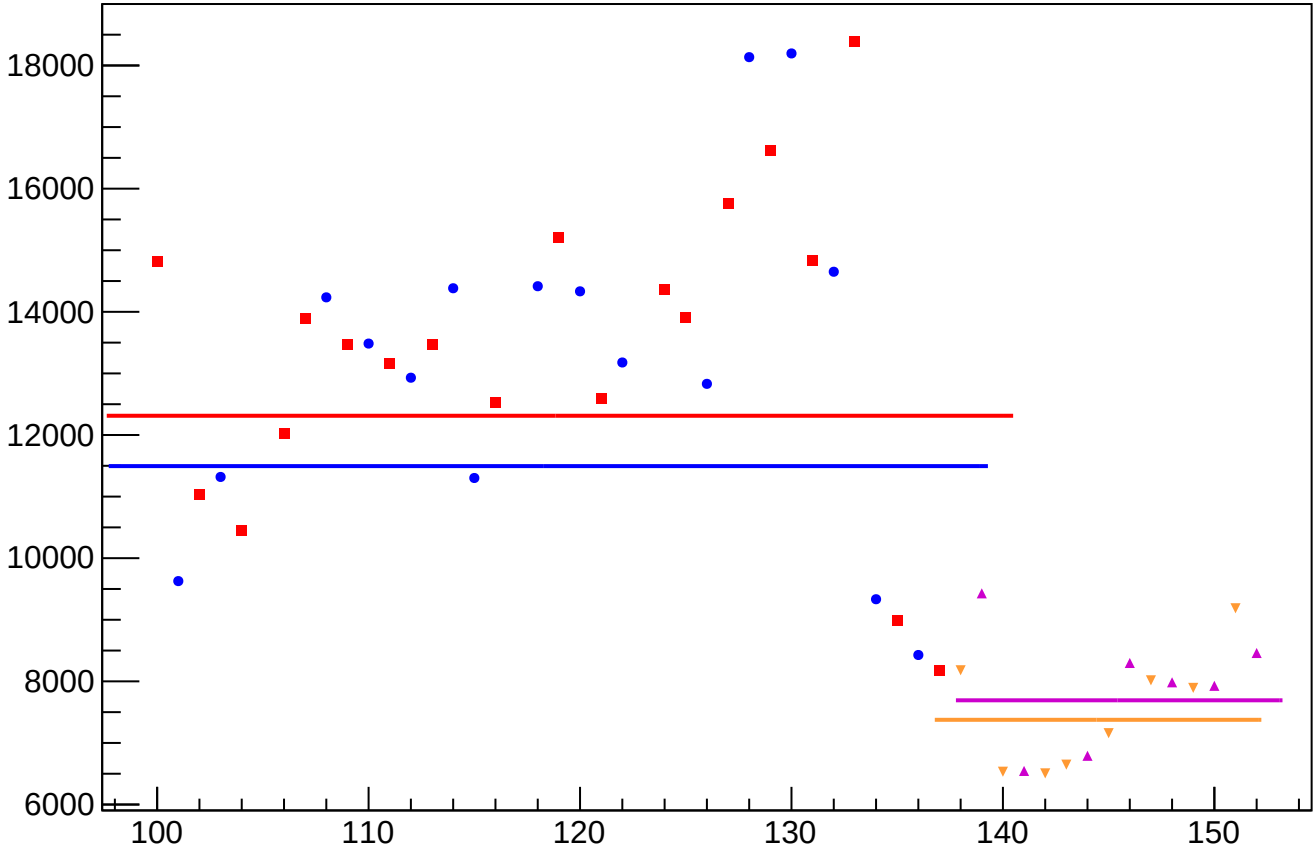
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 2.173+/-2.557 χ^2/NDF:31.5/22

Out: 3.606+/-2.512 χ^2/NDF:44.8/26

All: 2.903+/-1.792 χ^2/NDF: 76.4/49

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: 7692.208+/-2.216 χ^2/NDF:170257.0/6

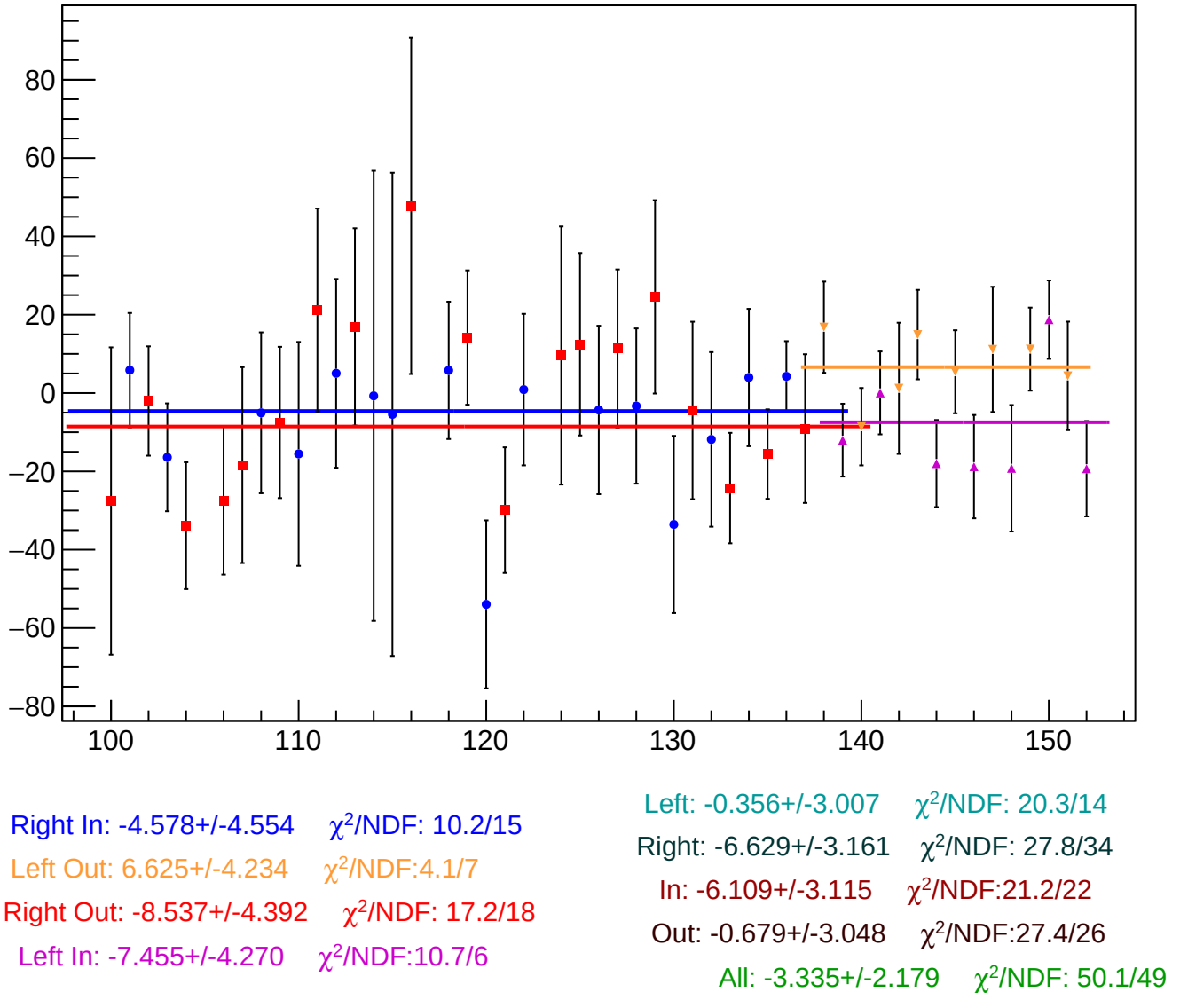
Left: 7526.868+/-1.532 χ^2/NDF: 342465.8/14

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

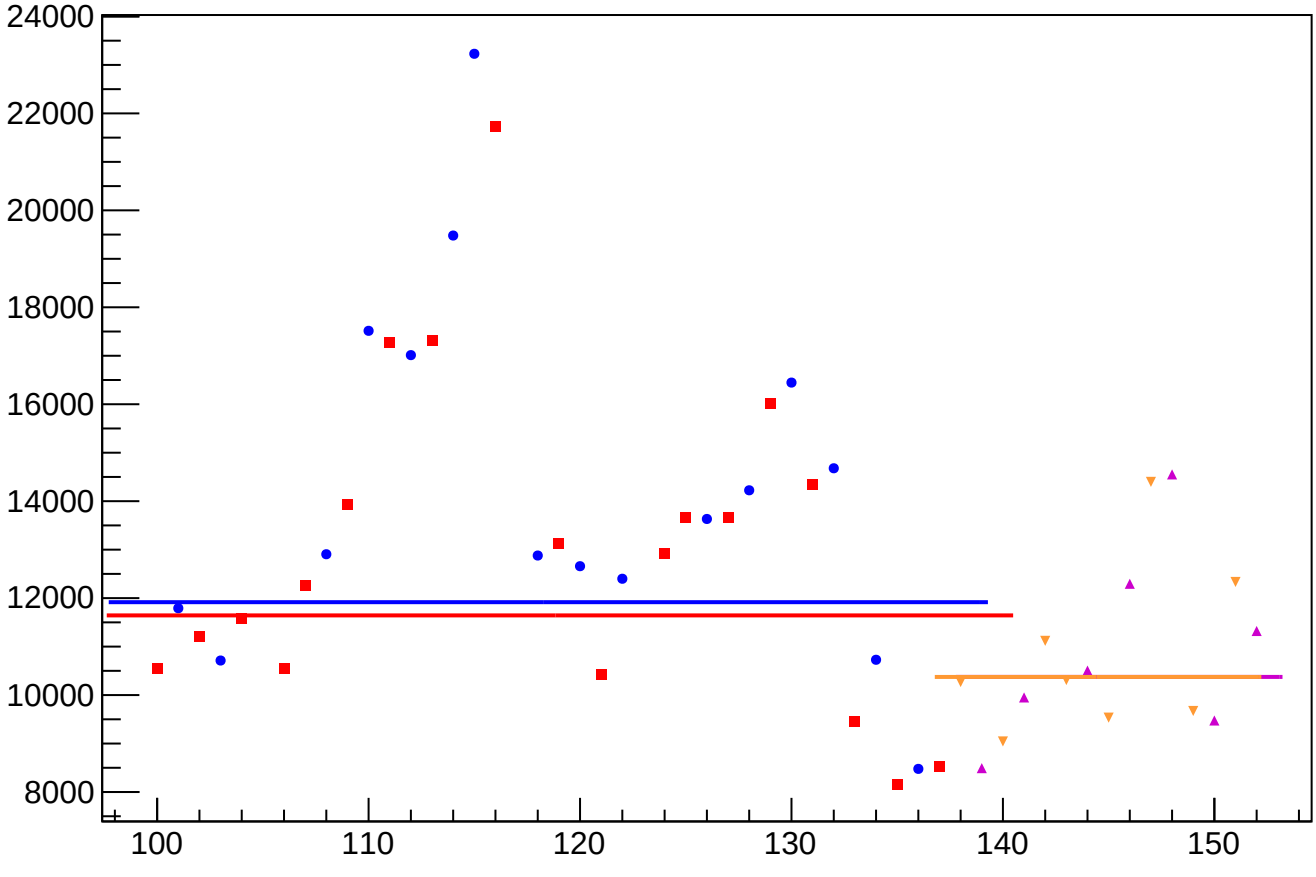
In: 8963.360+/-1.808 χ^2/NDF:1944542.1/22

Out: 8843.582+/-1.776 χ^2/NDF:2373967.2/26

All: 8902.410+/-1.267 χ^2/NDF: 4320742.3/49


diff_bpm4aesumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -4.578+/-4.554 χ²/NDF: 10.2/15
Left Out: 6.625+/-4.234 χ²/NDF:4.1/7
Right Out: -8.537+/-4.392 χ²/NDF: 17.2/18
Left In: -7.455+/-4.270 χ²/NDF:10.7/6
Left: -0.356+/-3.007 χ²/NDF: 20.3/14
Right: -6.629+/-3.161 χ²/NDF: 27.8/34
In: -6.109+/-3.115 χ²/NDF:21.2/22
Out: -0.679+/-3.048 χ²/NDF:27.4/26
All: -3.335+/-2.179 χ²/NDF: 50.1/49

diff_bpm4aesumY_rms vs Slug, Sign Corrected



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: 10374.625+/-3.019 χ^2/NDF:289867.7/6

Left: 10374.301+/-2.126 χ^2/NDF: 518452.2/14

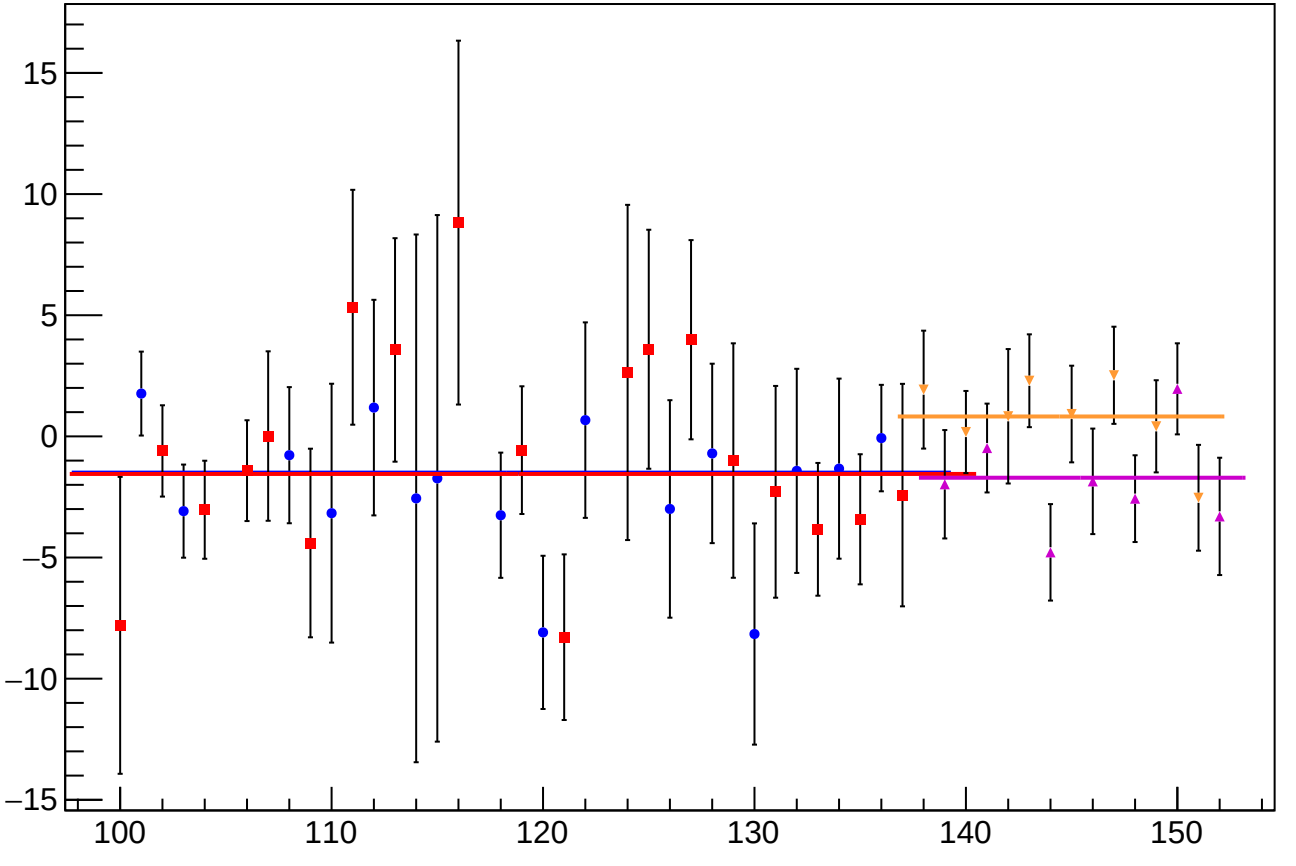
Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11095.885+/-2.203 χ^2/NDF:1161627.4/22

Out: 10985.558+/-2.156 χ^2/NDF:1105559.8/26

All: 11039.532+/-1.541 χ^2/NDF: 2268468.8/4

diff_bpm4aediffY_mean vs Slug, Sign Corrected



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: -1.707+/-0.761 χ^2/NDF:7.3/6

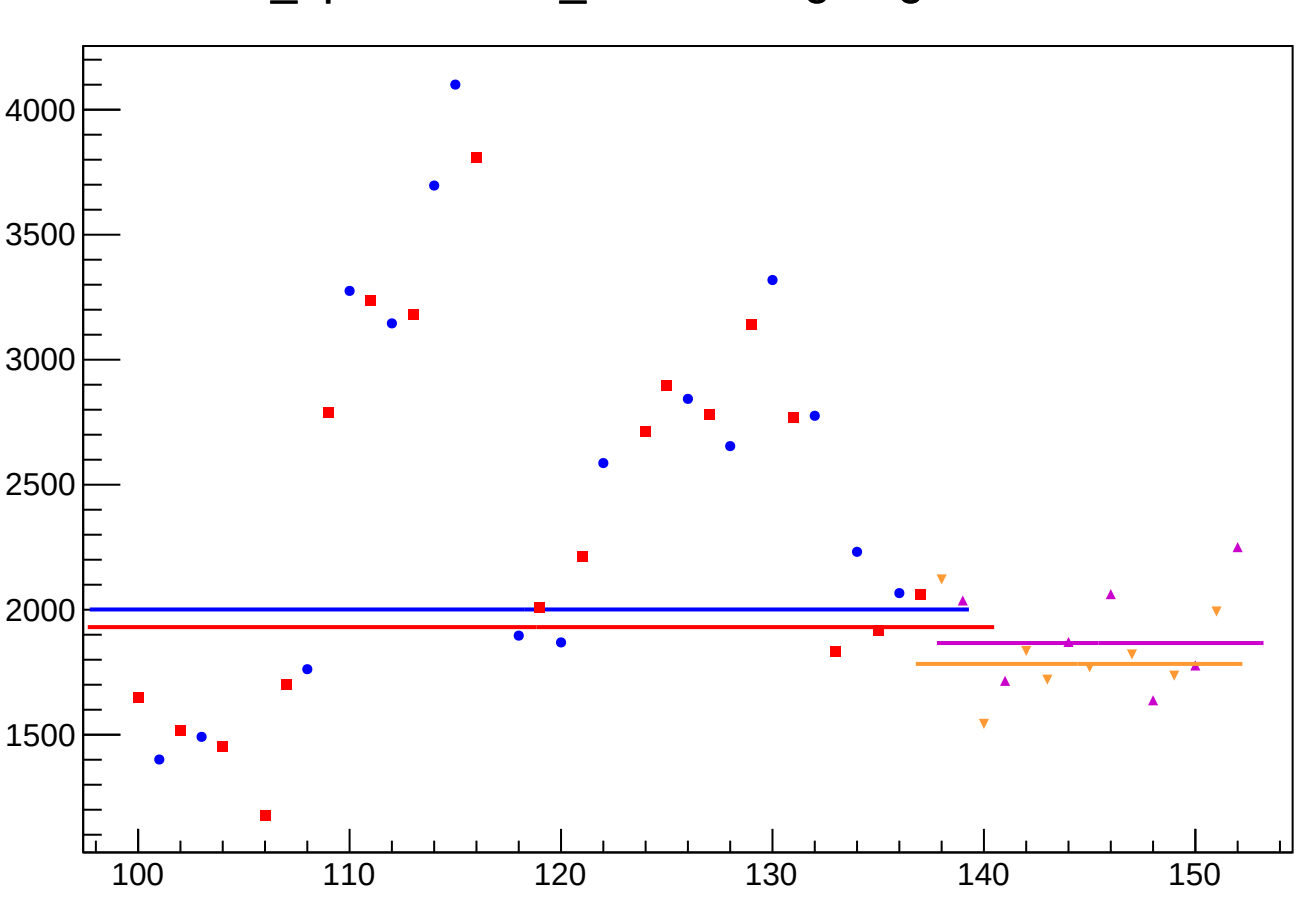
Left: -0.381+/-0.525 χ^2/NDF: 17.2/14

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.604+/-0.544 χ^2/NDF:20.0/22

Out: -0.332+/-0.519 χ^2/NDF:25.6/26

All: -0.938+/-0.376 χ^2/NDF: 48.4/49



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: 1866.743+/-0.538 χ^2/NDF:128813.8/6

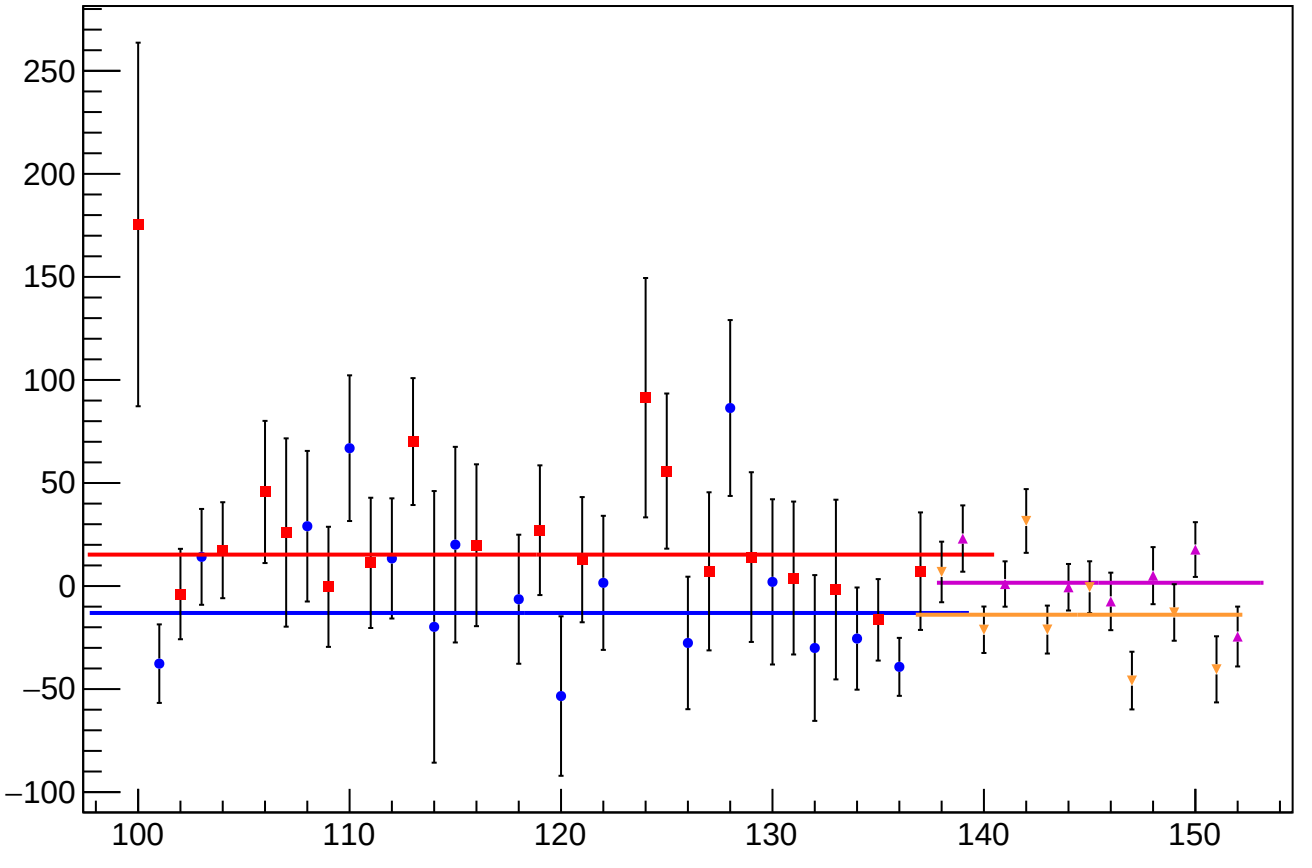
Left: 1822.945+/-0.371 χ^2/NDF: 243297.0/14

Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

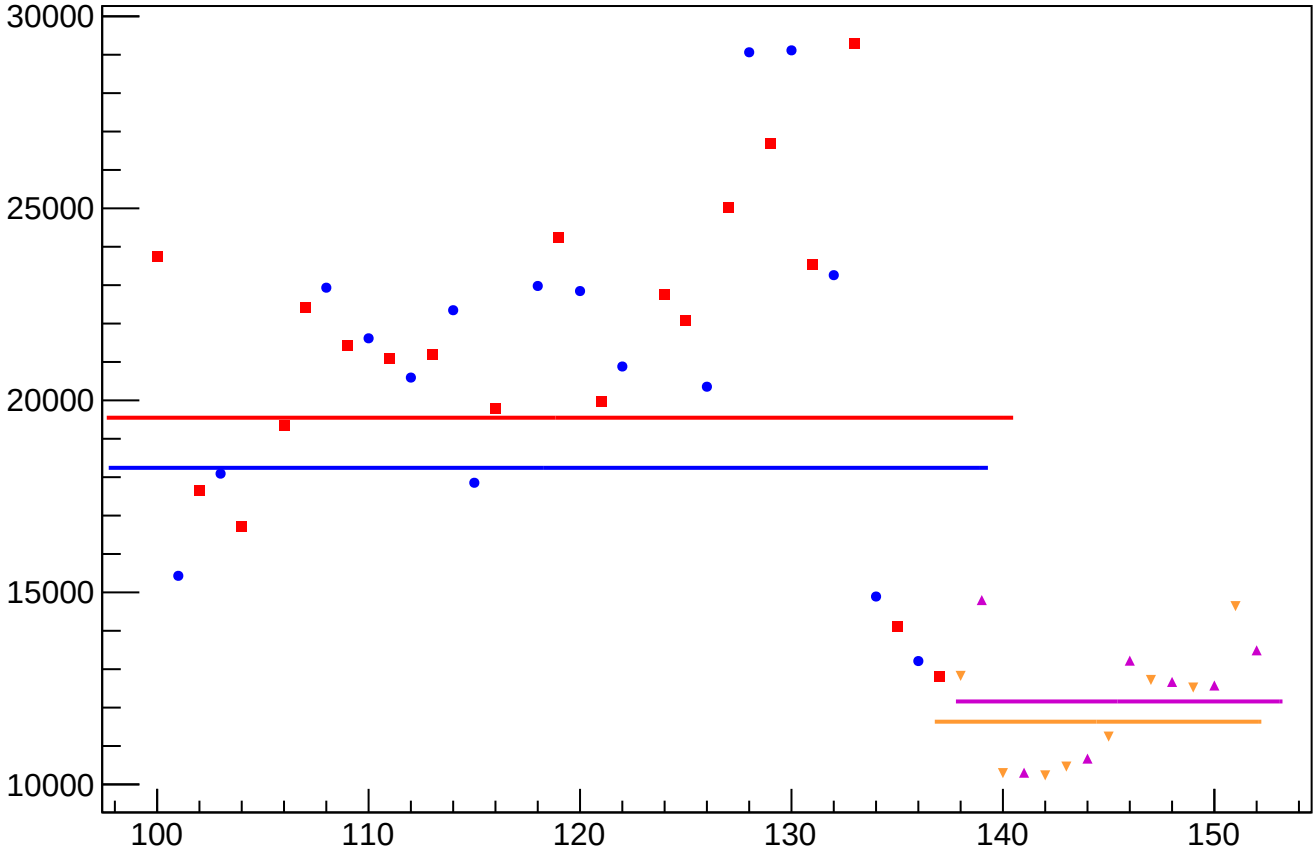
In: 1932.375+/-0.385 χ^2/NDF:1349022.3/22

Out: 1854.836+/-0.367 χ^2/NDF:1545553.9/26

All: 1891.788+/-0.266 χ^2/NDF: 2915834.2/49


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: 1.590+/-4.956 χ²/NDF:7.0/6
Left: -6.530+/-3.421 χ²/NDF: 32.7/14
Right: 0.513+/-5.069 χ²/NDF: 44.0/34
In: -3.279+/-4.050 χ²/NDF:31.8/22
Out: -5.332+/-3.972 χ²/NDF:46.1/26
All: -4.326+/-2.836 χ²/NDF: 78.0/49

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: 12160.003+/-3.505 χ^2/NDF:178403.0/6

Left: 11884.213+/-2.419 χ^2/NDF: 360937.7/14

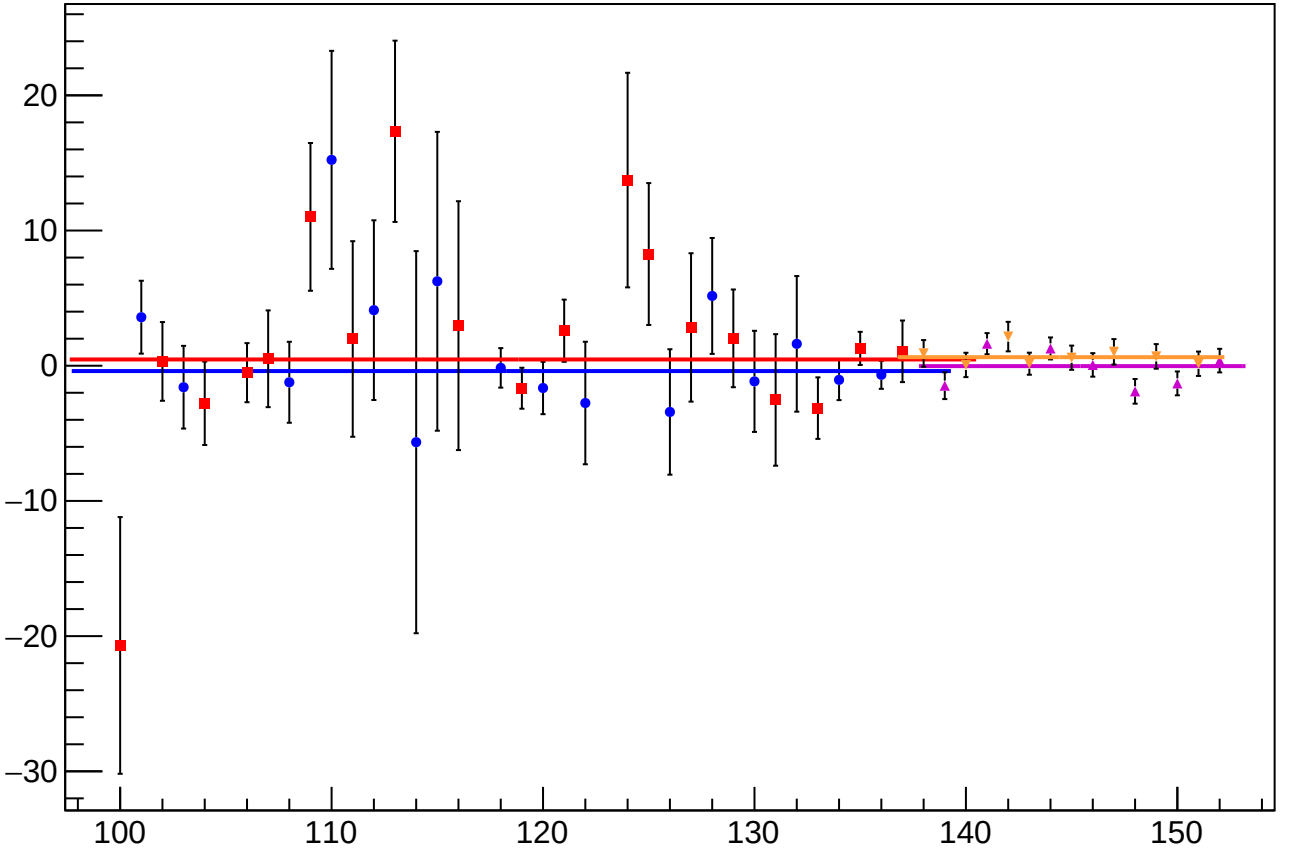
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 14181.126+/-2.864 χ^2/NDF:1999317.5/22

Out: 13963.611+/-2.809 χ^2/NDF:2442115.3/26

All: 14070.261+/-2.005 χ^2/NDF: 4444373.1/4

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



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: -0.029+/-0.328 χ^2/NDF:15.7/6

Left: 0.304+/-0.231 χ^2/NDF: 21.0/14

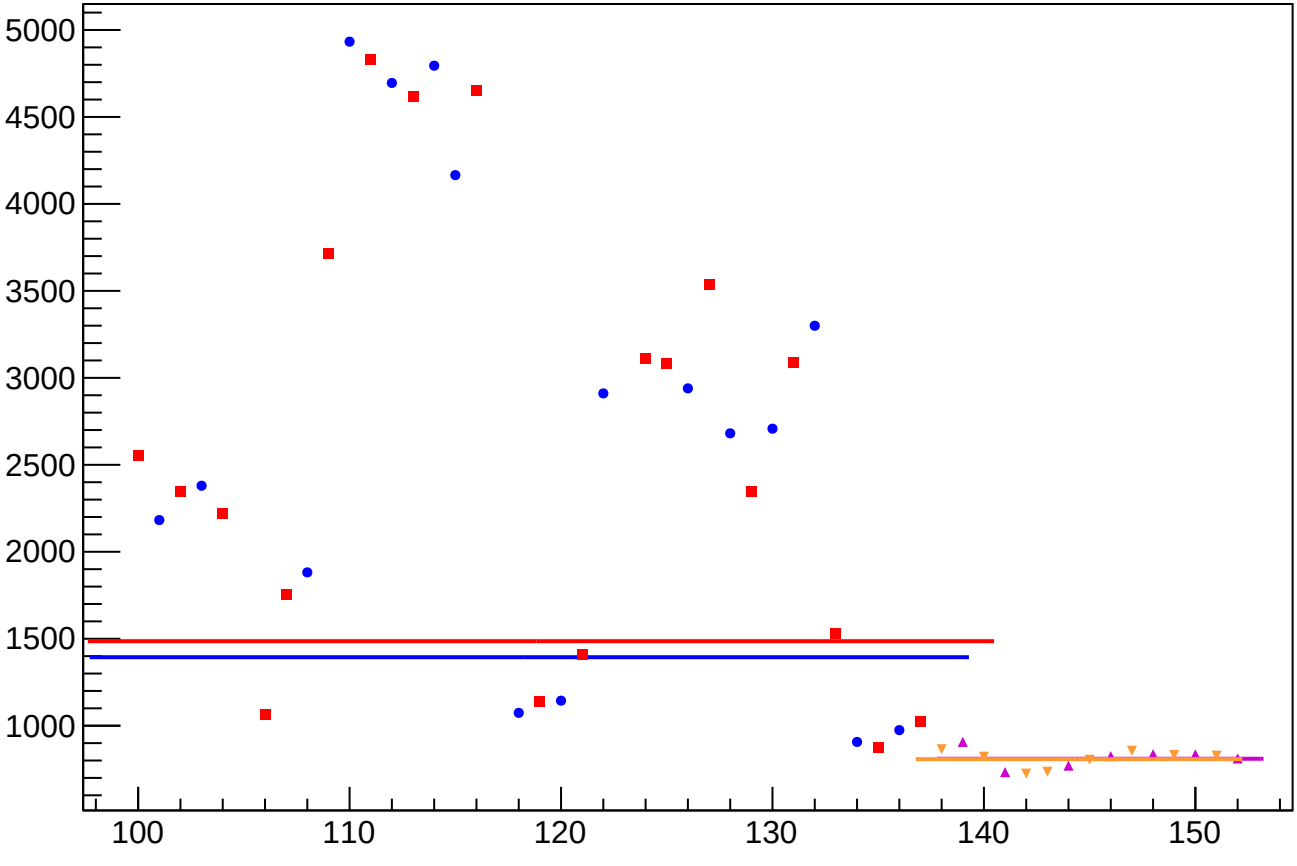
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.113+/-0.288 χ^2/NDF:26.4/22

Out: 0.598+/-0.290 χ^2/NDF:31.4/26

All: 0.240+/-0.204 χ^2/NDF: 60.8/49

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: 810.074+/-0.232 χ^2/NDF:47201.3/6

Left: 808.973+/-0.163 χ^2/NDF: 89464.5/14

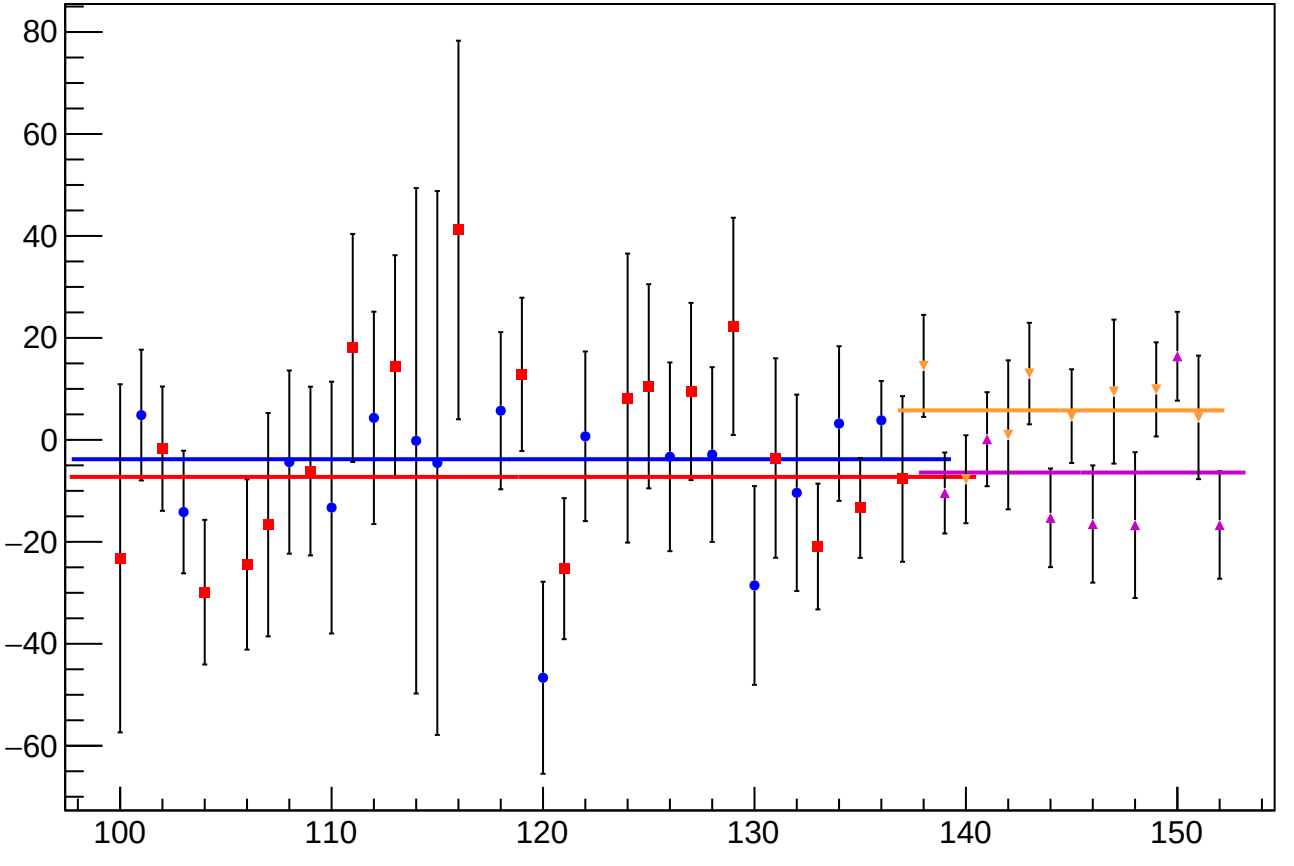
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 944.425+/-0.204 χ^2/NDF:4885494.4/22

Out: 949.630+/-0.205 χ^2/NDF:5251324.0/26

All: 947.010+/-0.144 χ^2/NDF: 10137143.2/49

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: -6.406+/-3.702 χ^2/NDF:10.7/6

Left: -0.284+/-2.612 χ^2/NDF: 20.3/14

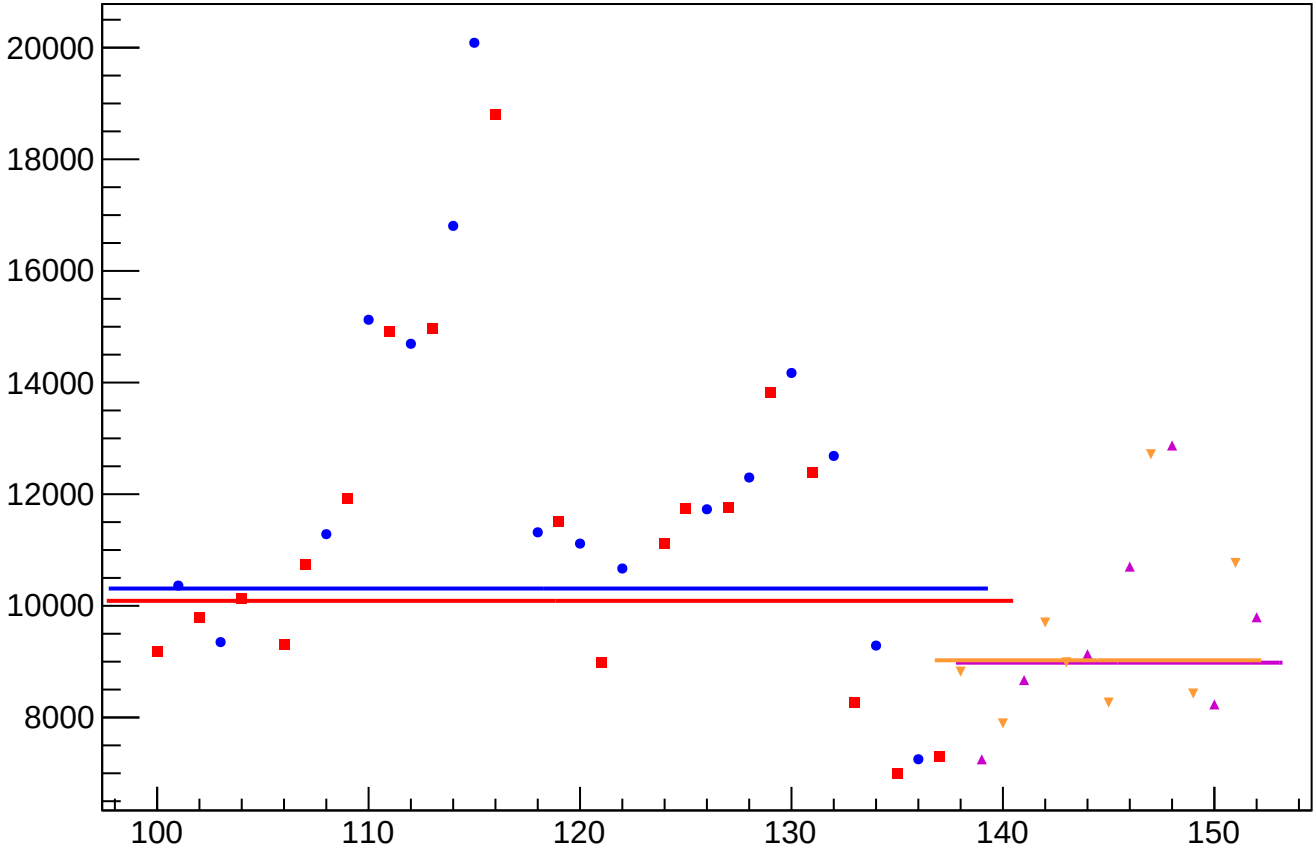
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -5.182+/-2.699 χ^2/NDF:21.0/22

Out: -0.529+/-2.648 χ^2/NDF:27.5/26

All: -2.812+/-1.890 χ^2/NDF: 50.0/49

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: 8981.787+/-2.618 χ^2/NDF:317431.3/6

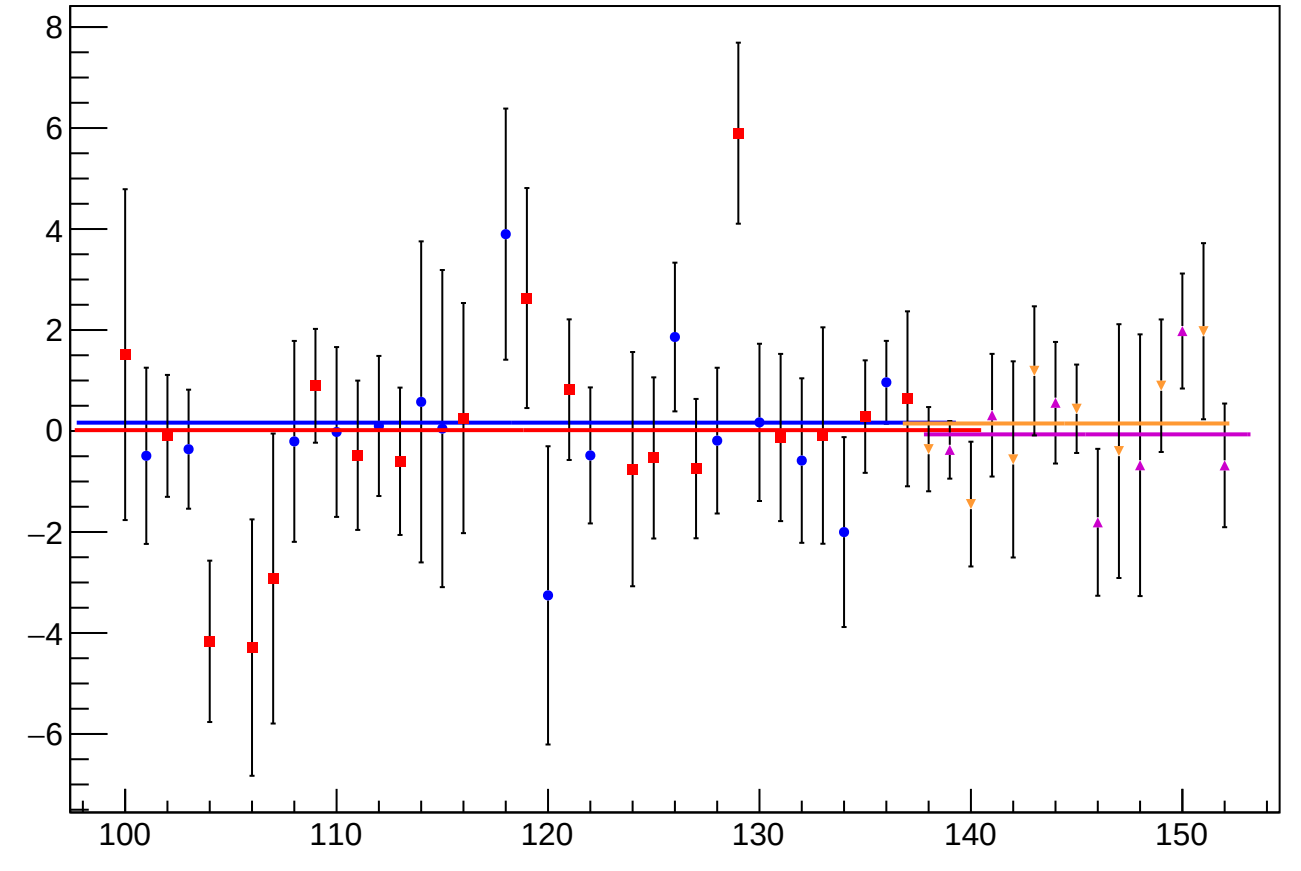
Left: 9003.042+/-1.847 χ^2/NDF: 557045.0/14

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9604.044+/-1.908 χ^2/NDF:1208556.3/22

Out: 9539.682+/-1.873 χ^2/NDF:1113124.6/26

All: 9571.252+/-1.337 χ^2/NDF: 2322260.4/49



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: 0.149+/-0.433 χ^2/NDF:4.4/7

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: -0.066+/-0.392 χ^2/NDF:5.6/6

Left: 0.031+/-0.291 χ^2/NDF: 10.2/14

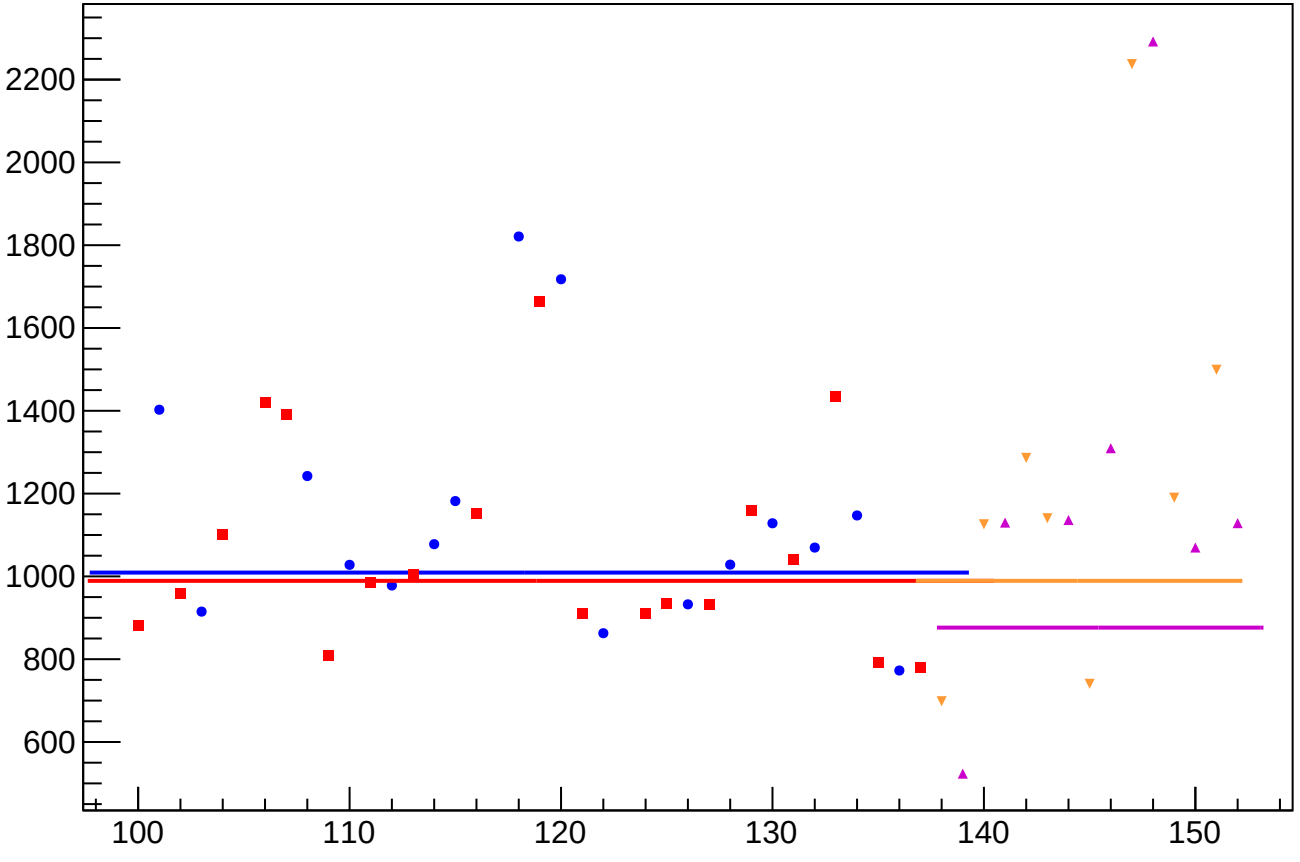
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.051+/-0.275 χ^2/NDF:13.9/22

Out: 0.073+/-0.282 χ^2/NDF:29.6/26

All: 0.062+/-0.197 χ^2/NDF: 43.6/49

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: 876.268+/-0.277 χ^2/NDF:1862573.2/6

Left: 927.223+/-0.205 χ^2/NDF: 3152471.4/14

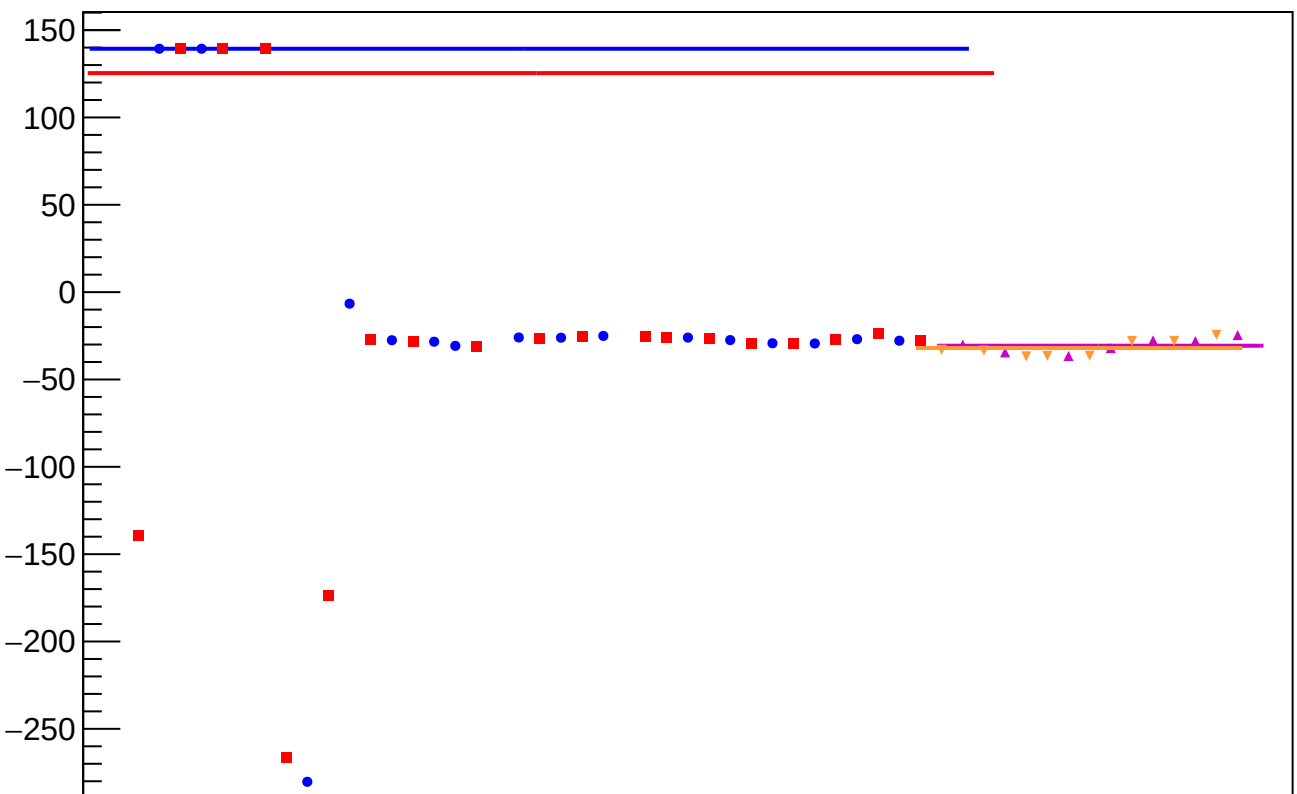
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 943.748+/-0.195 χ^2/NDF:2678537.6/22

Out: 989.245+/-0.200 χ^2/NDF:1790803.7/26

All: 965.929+/-0.139 χ^2/NDF: 4495986.8/49

yield_cav4bX_mean vs Slug, Sign Corrected



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: -30.672+/-0.001 χ^2/NDF:50005444.6/6

Left: -31.380+/-0.000 χ^2/NDF: 121324245.8/14

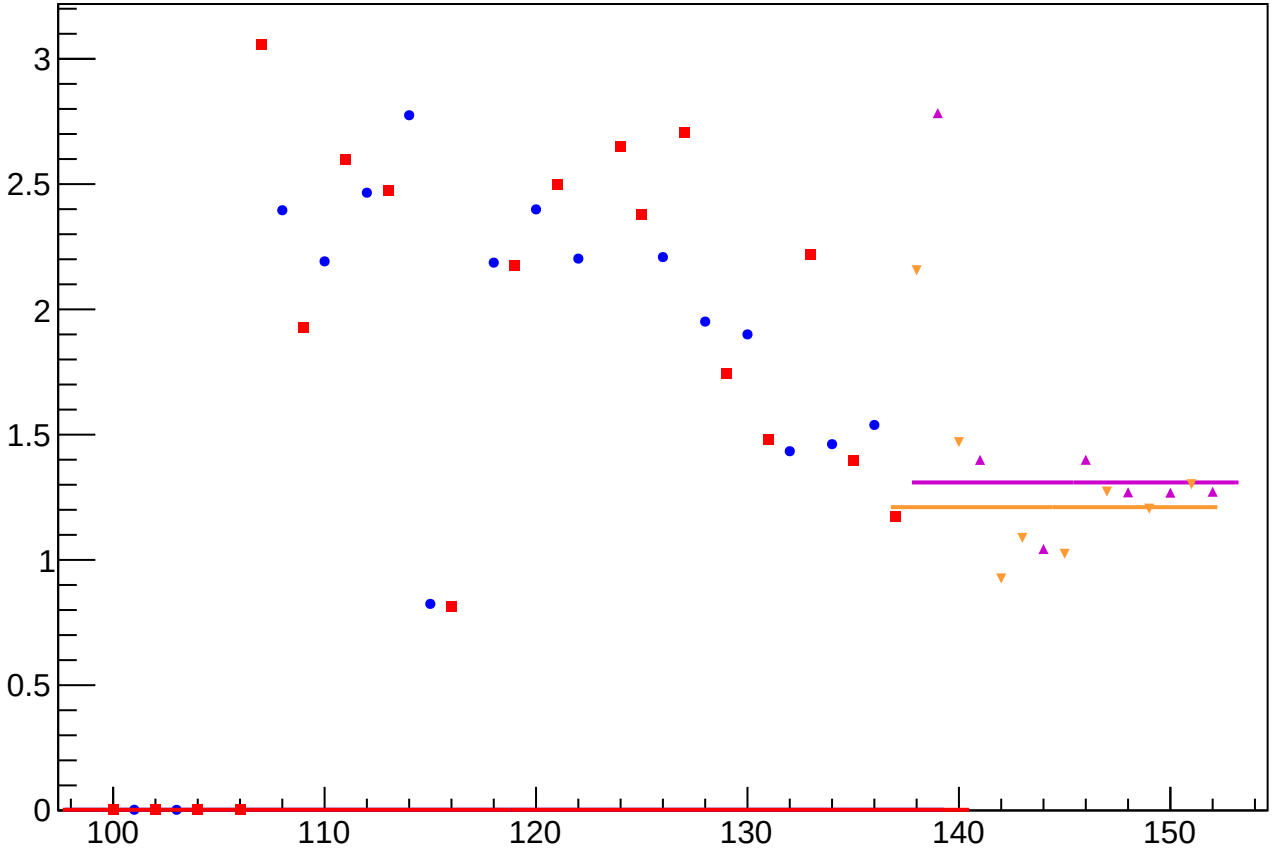
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.334+/-0.000 χ^2/NDF:125873129866.5/22

Out: 125.389+/-0.000 χ^2/NDF:774250954208610.

All: 131.816+/-0.000 χ^2/NDF: 79316128926

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: 1.309+/-0.000 χ^2/NDF:562668.8/6

Left: 1.256+/-0.000 χ^2/NDF: 998590.6/14

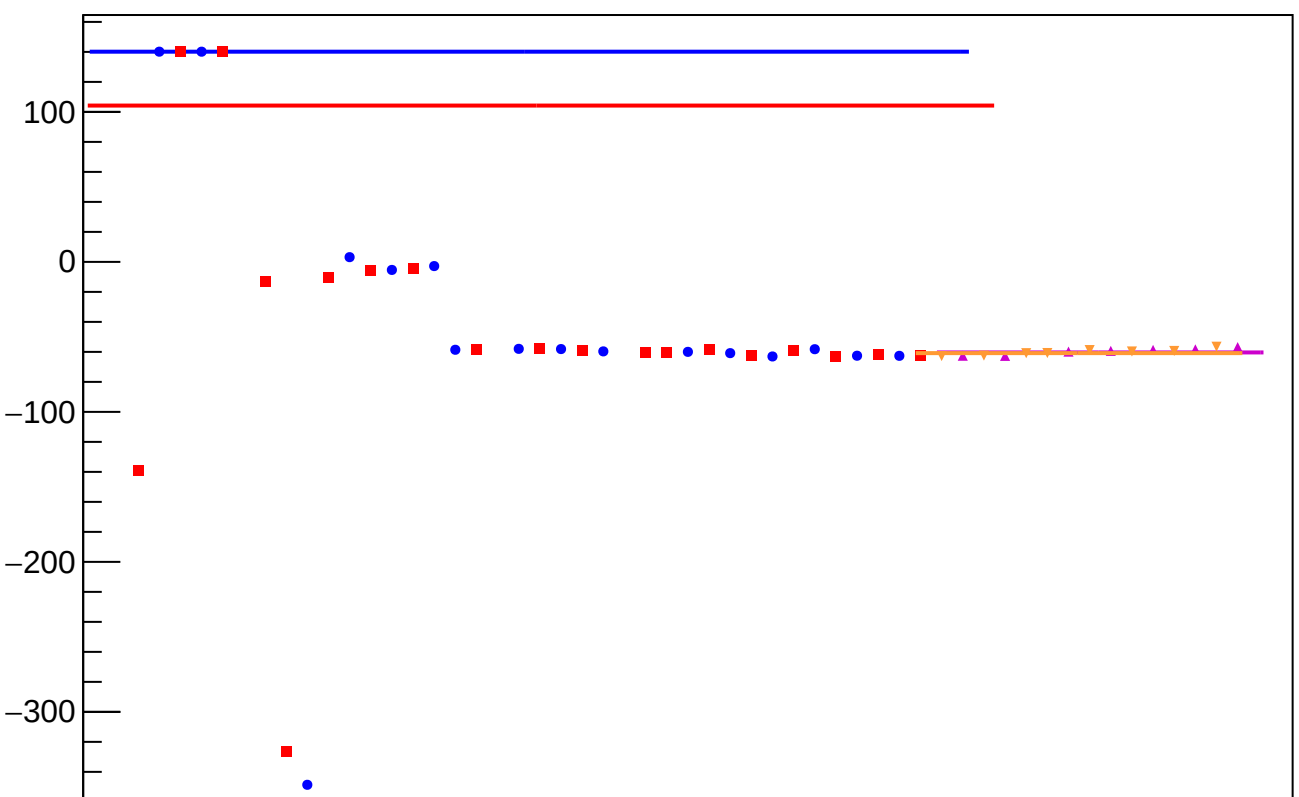
Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:19428502.9/22

Out: 0.003+/-0.000 χ^2/NDF:19303121.6/26

All: 0.003+/-0.000 χ^2/NDF: 38731829.7/49

yield_cav4bY_mean vs Slug, Sign Corrected



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: -60.366+/-0.000 χ^2/NDF:43129194.2/6

Left: -60.595+/-0.000 χ^2/NDF: 75961946.1/14

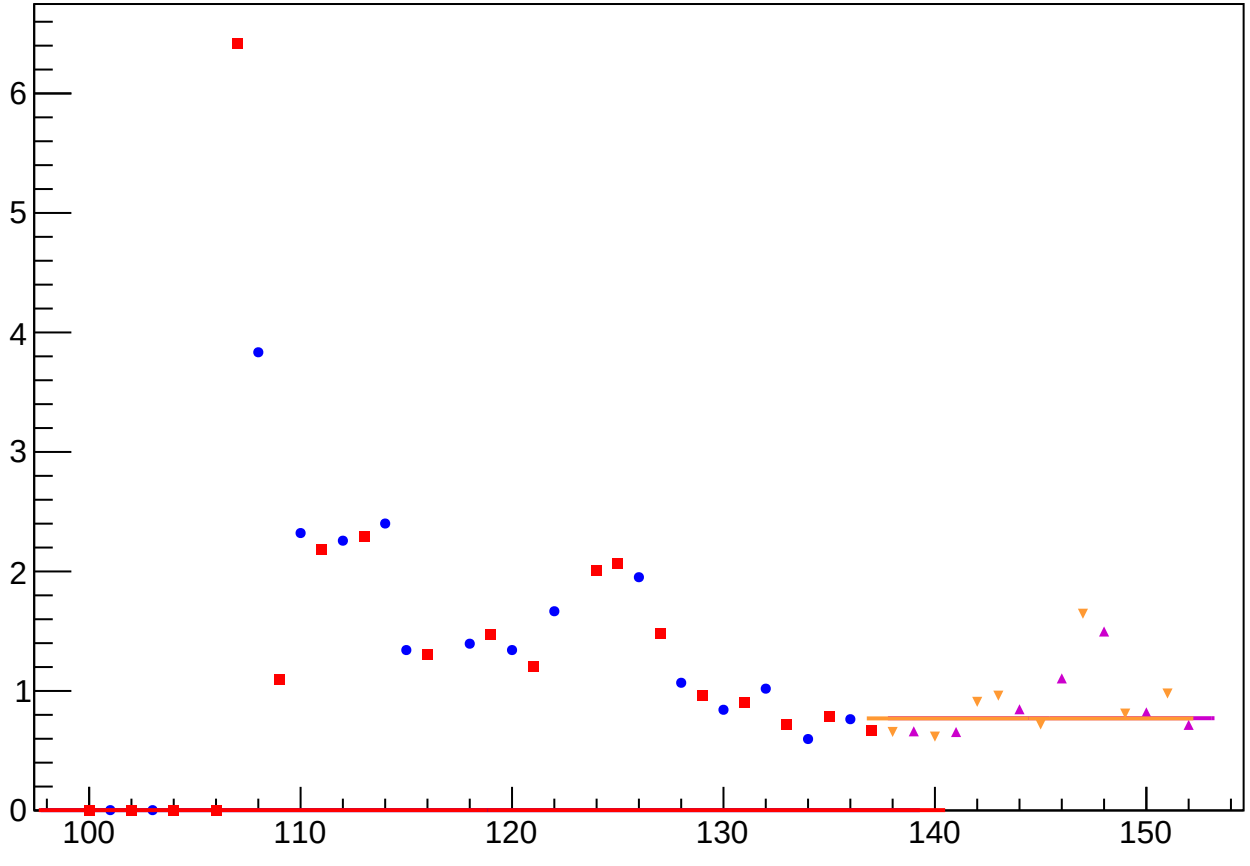
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.135+/-0.000 χ^2/NDF:503714116277.3/22

Out: 104.218+/-0.000 χ^2/NDF:125761315123031

All: 120.824+/-0.000 χ^2/NDF: 13814098967

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: 0.772+/-0.000 χ^2/NDF:565222.4/6

Left: 0.771+/-0.000 χ^2/NDF: 1240510.3/14

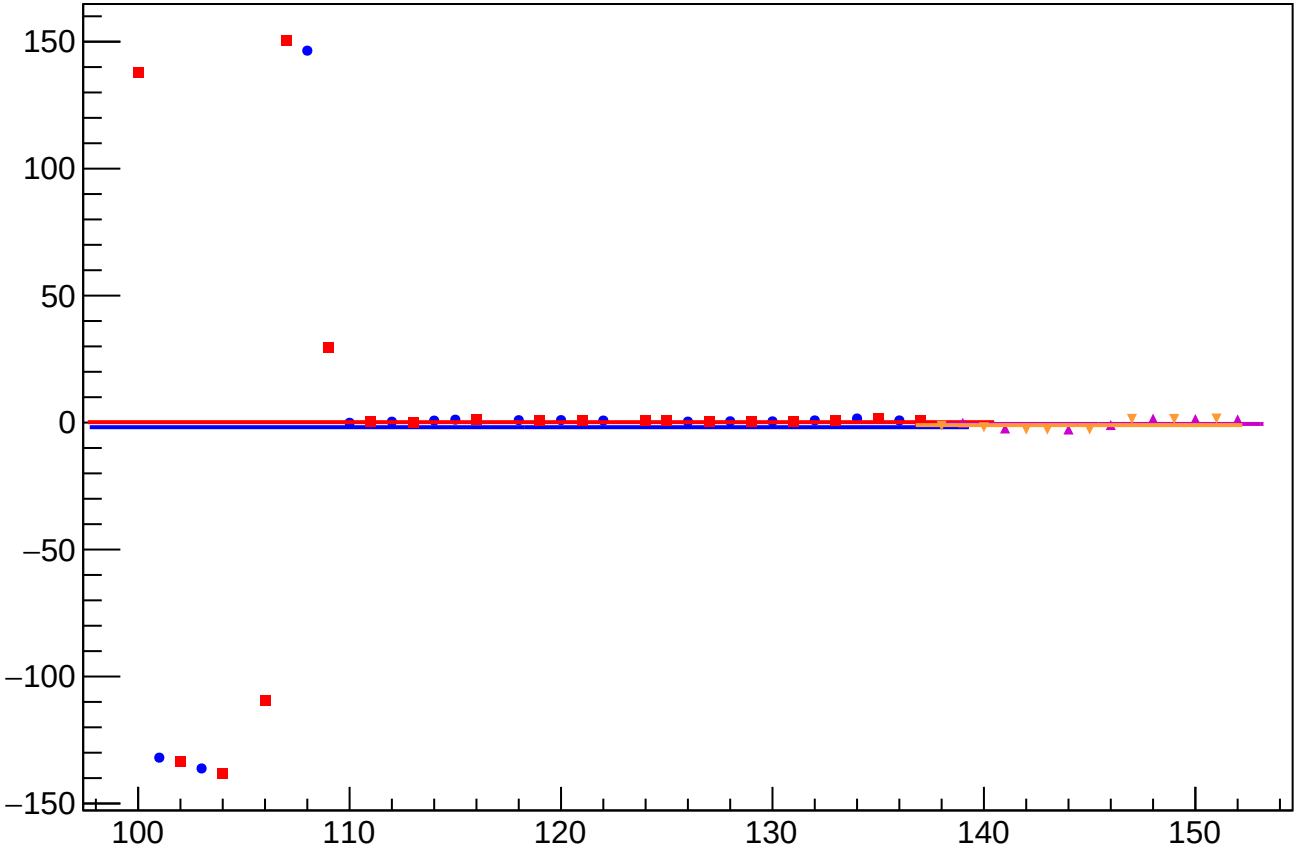
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:20451876.8/22

Out: 0.003+/-0.000 χ^2/NDF:20080712.6/26

All: 0.003+/-0.000 χ^2/NDF: 40532867.2/49

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: -0.535+/-0.000 χ^2/NDF:49156139.9/6

Left: -0.780+/-0.000 χ^2/NDF: 115265071.4/14

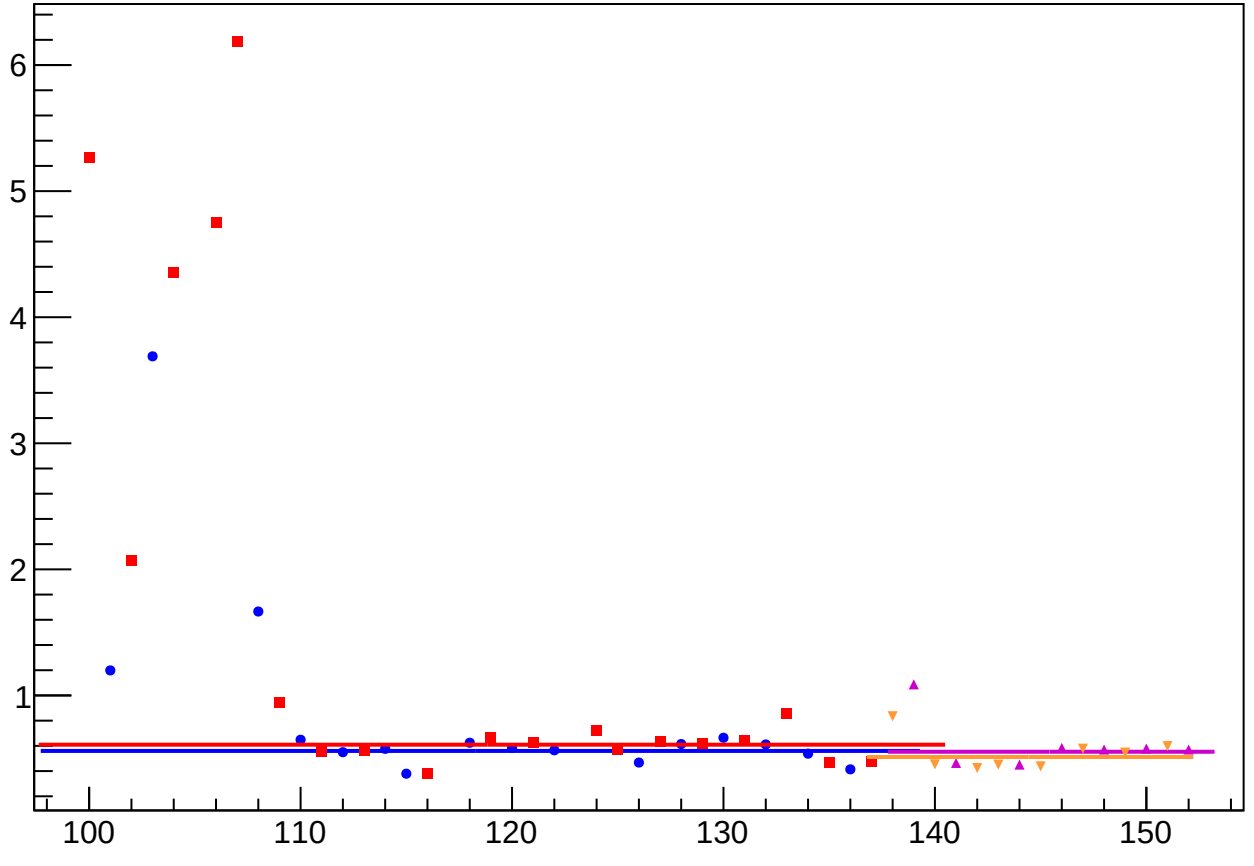
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -1.193+/-0.000 χ^2/NDF:9949270775.2/22

Out: -0.492+/-0.000 χ^2/NDF:3685818422.7/26

All: -0.845+/-0.000 χ^2/NDF: 13642740566.0/

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: 0.553+/-0.000 χ^2/NDF:526425.6/6

Left: 0.531+/-0.000 χ^2/NDF: 906403.2/14

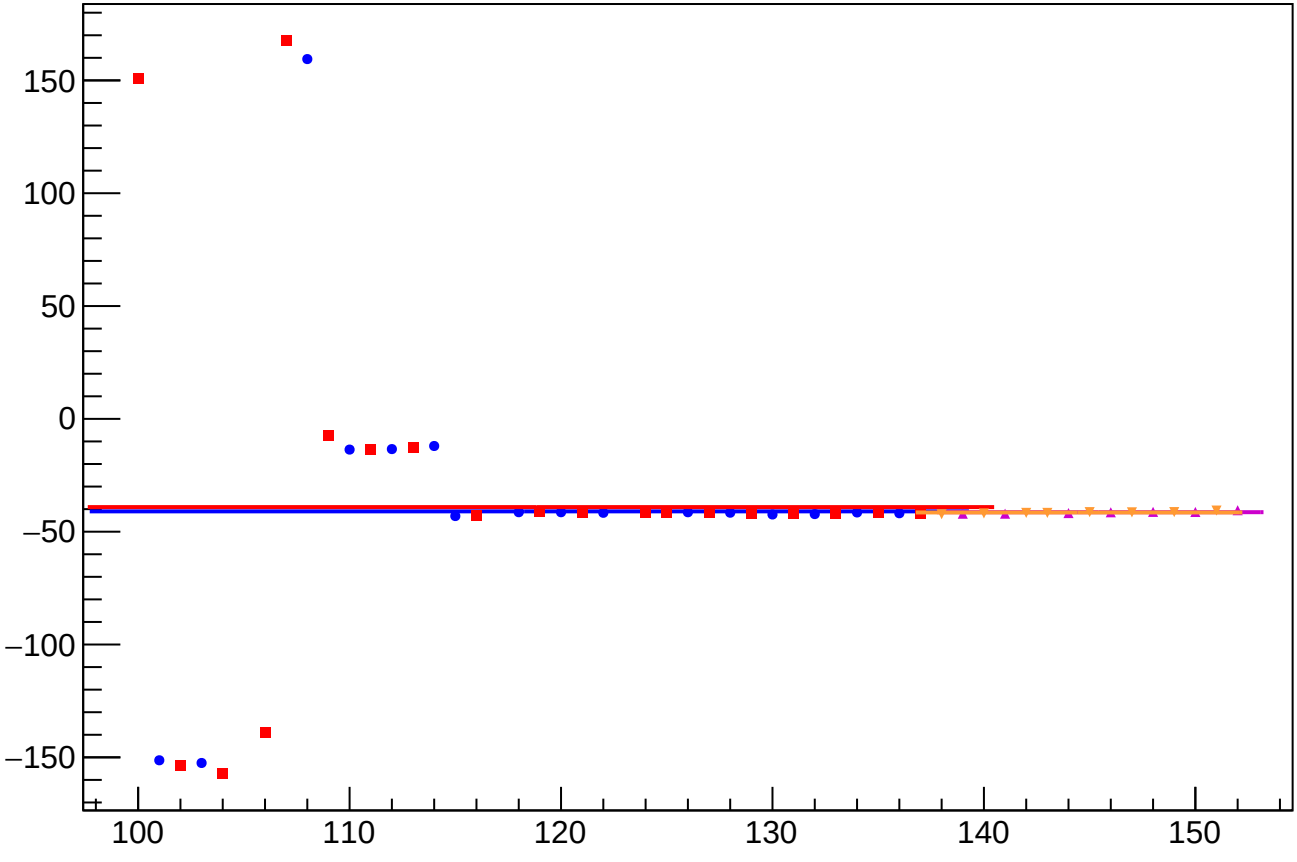
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.557+/-0.000 χ^2/NDF:2125528.3/22

Out: 0.554+/-0.000 χ^2/NDF:2972700.8/26

All: 0.555+/-0.000 χ^2/NDF: 5098477.6/49

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: -41.351+/-0.000 χ^2/NDF:10984992.8/6

Left: -41.412+/-0.000 χ^2/NDF: 17751891.8/14

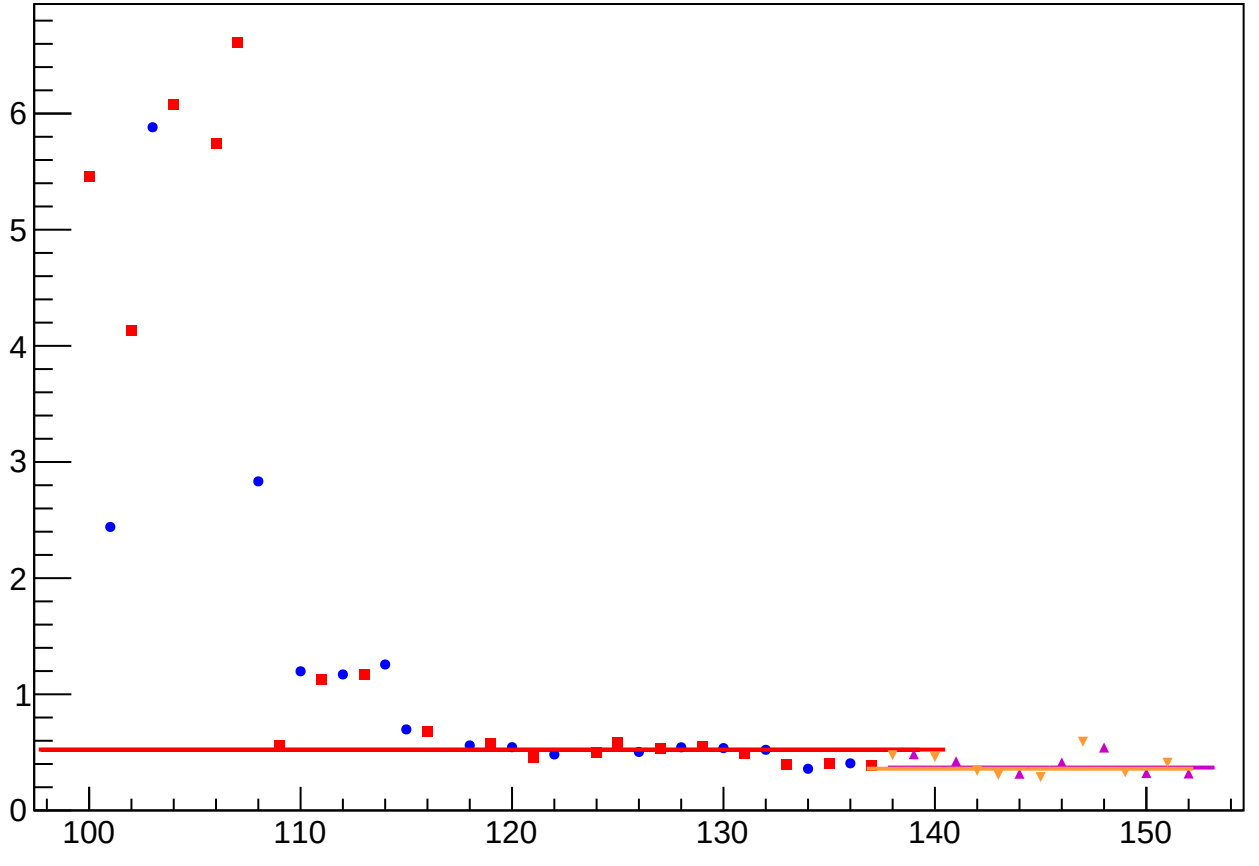
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.237+/-0.000 χ^2/NDF:3462282791.0/22

Out: -40.767+/-0.000 χ^2/NDF:2557266743.7/26

All: -40.999+/-0.000 χ^2/NDF: 6026113687.5/

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: 0.369+/-0.000 χ^2/NDF:416853.1/6

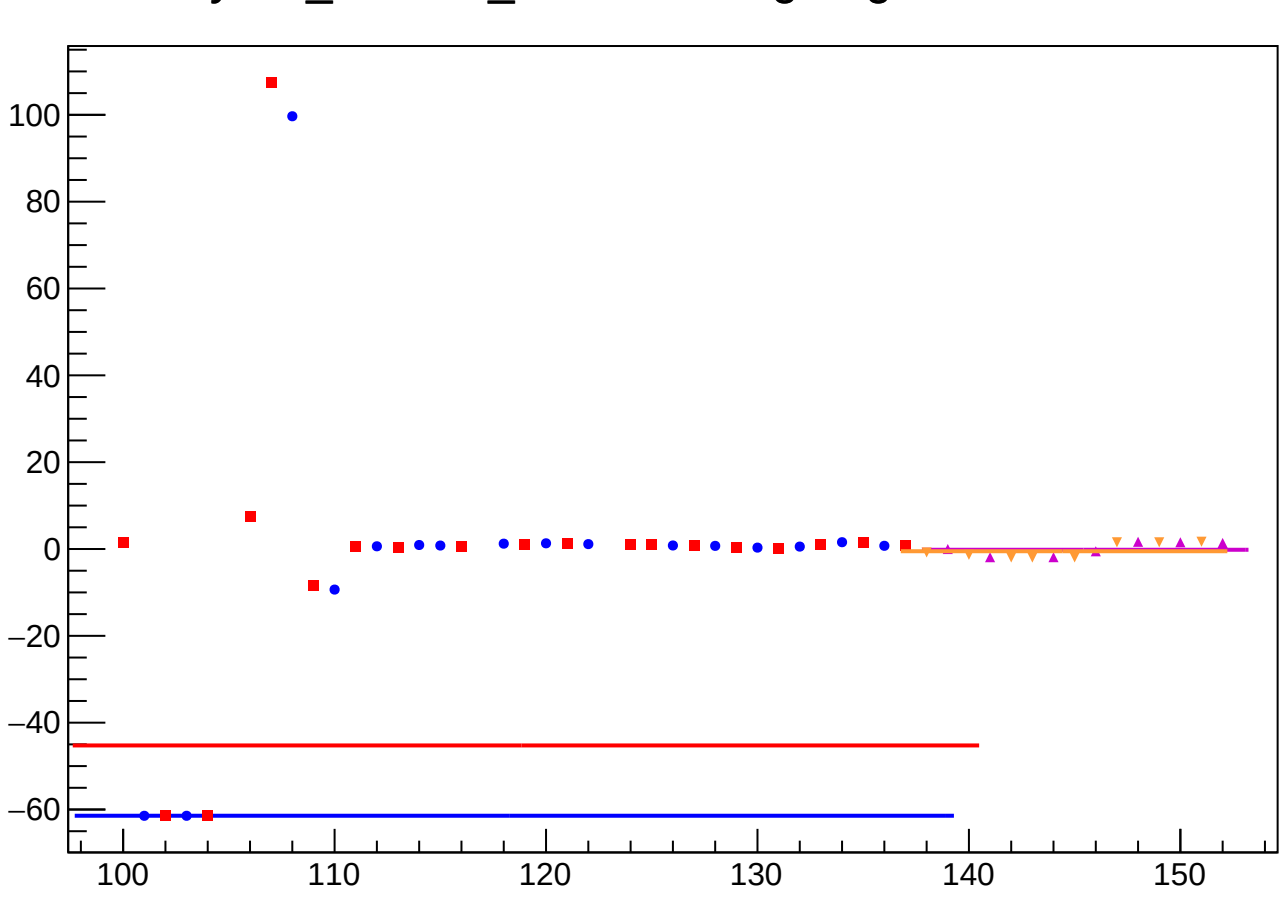
Left: 0.364+/-0.000 χ^2/NDF: 1005583.5/14

Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

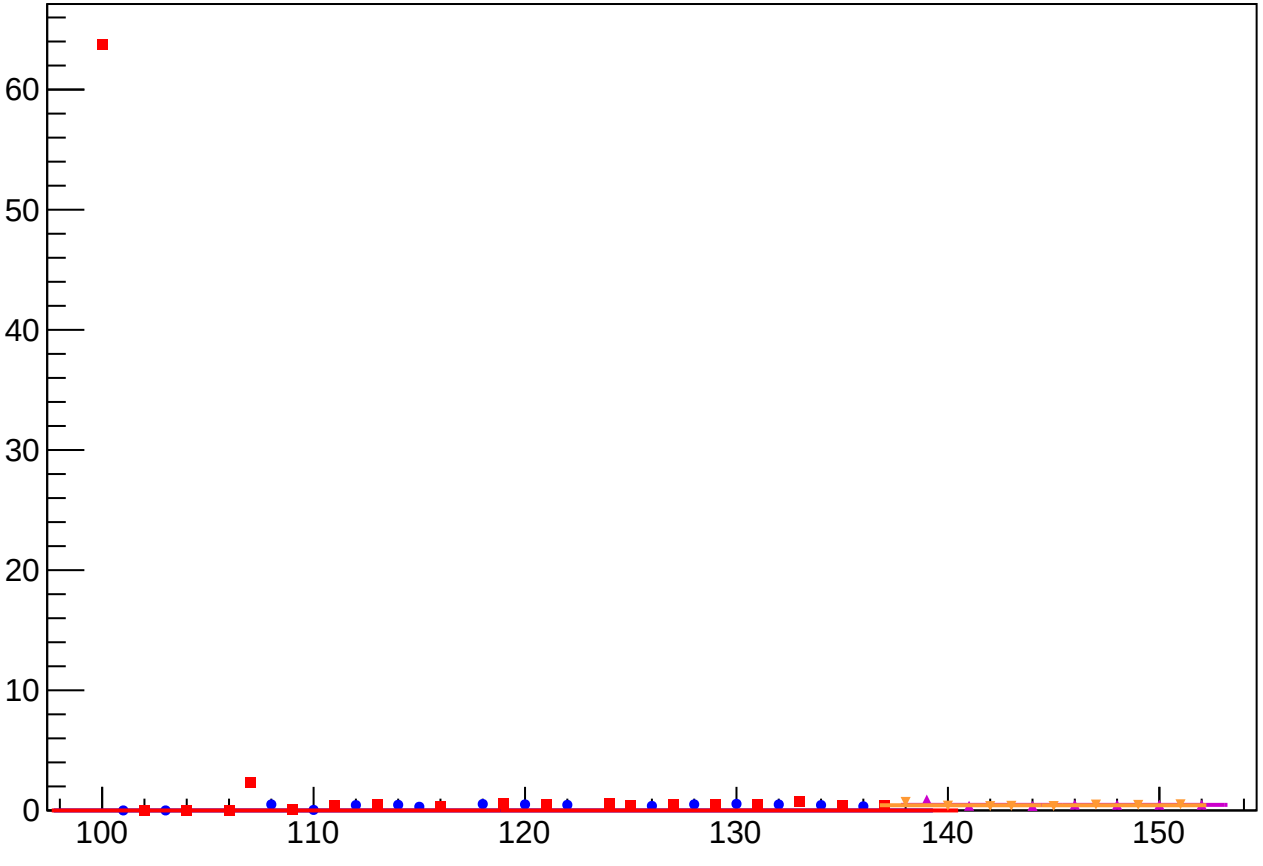
In: 0.417+/-0.000 χ^2/NDF:3956717.3/22

Out: 0.408+/-0.000 χ^2/NDF:4528910.6/26

All: 0.413+/-0.000 χ^2/NDF: 8490241.2/49


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: -0.176+/-0.000 χ²/NDF:52358497.9/6
Left: -0.354+/-0.000 χ²/NDF: 117862823.2/14
Right: -52.749+/-0.000 χ²/NDF: 409121918007227
In: -61.432+/-0.000 χ²/NDF:355067107637.0/22
Out: -45.242+/-0.000 χ²/NDF:357919601282415.3
All: -52.746+/-0.000 χ²/NDF: 409249176763

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: 0.465+/-0.000 χ^2/NDF:521578.1/6

Left: 0.449+/-0.000 χ^2/NDF: 897203.3/14

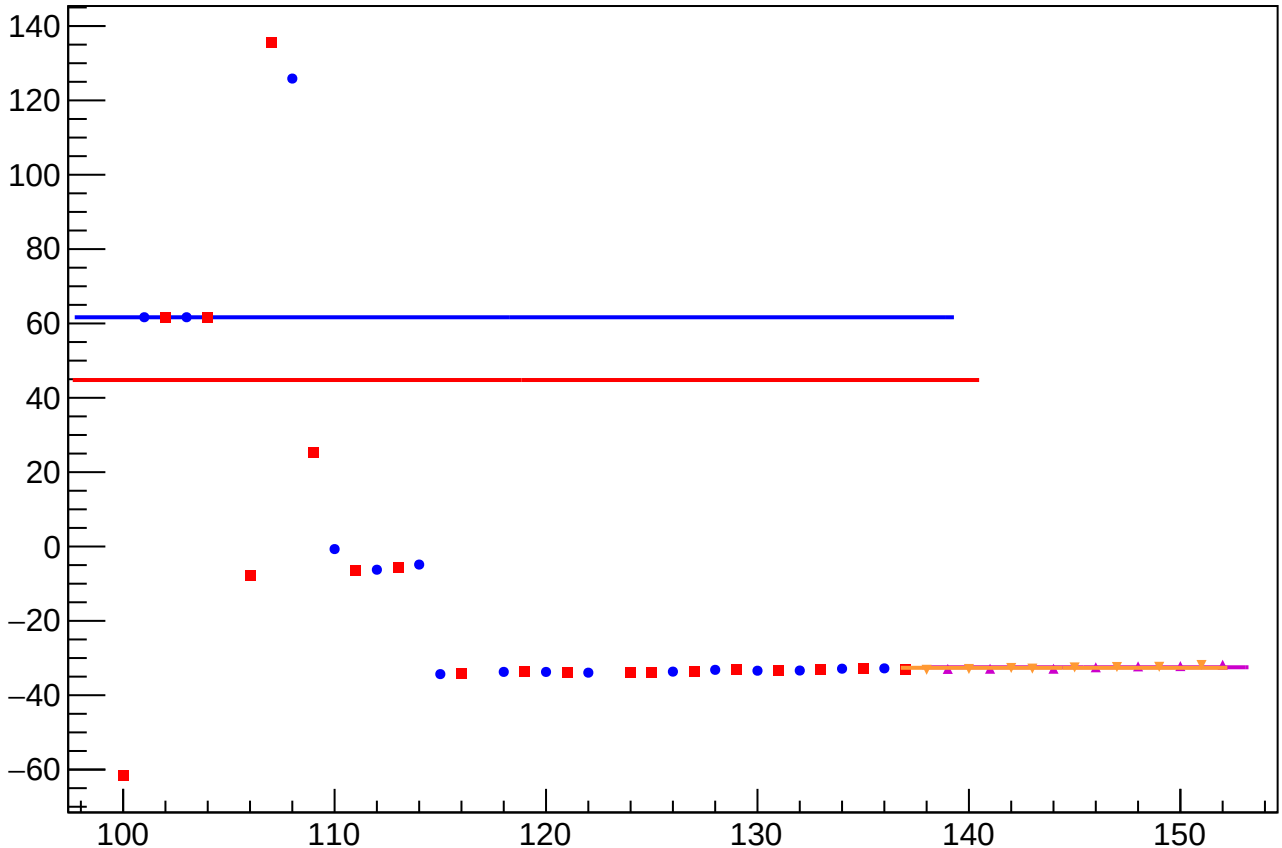
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.001+/-0.000 χ^2/NDF:19027935.1/22

Out: 0.001+/-0.000 χ^2/NDF:18883974.5/26

All: 0.001+/-0.000 χ^2/NDF: 37911918.8/49

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: -32.482+/-0.000 χ^2/NDF:10885148.9/6

Left: -32.553+/-0.000 χ^2/NDF: 19261235.8/14

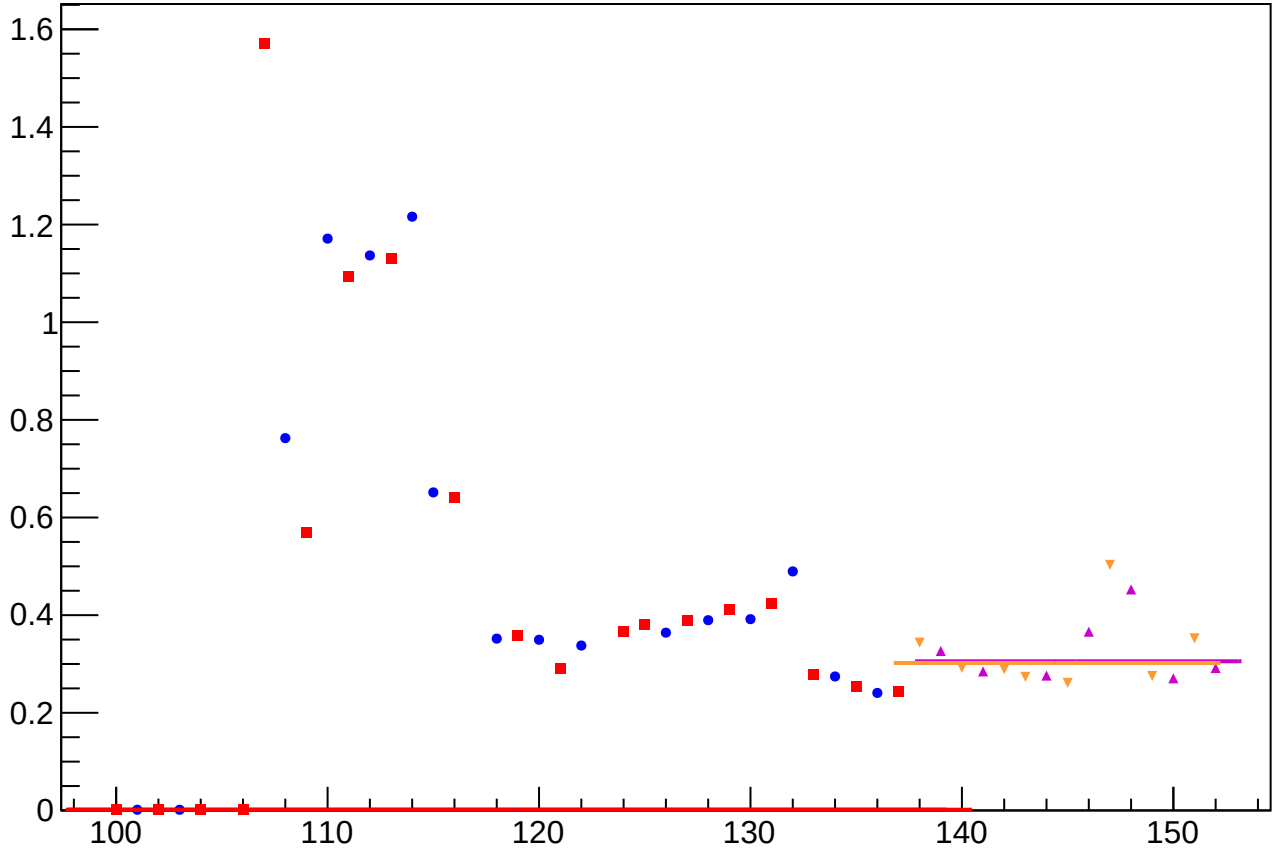
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.645+/-0.000 χ^2/NDF:912273652756.1/22

Out: 44.773+/-0.000 χ^2/NDF:366469972787693.2

All: 52.674+/-0.000 χ^2/NDF: 418468062535

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: 0.306+/-0.000 χ^2/NDF:280022.7/6

Left: 0.304+/-0.000 χ^2/NDF: 663611.0/14

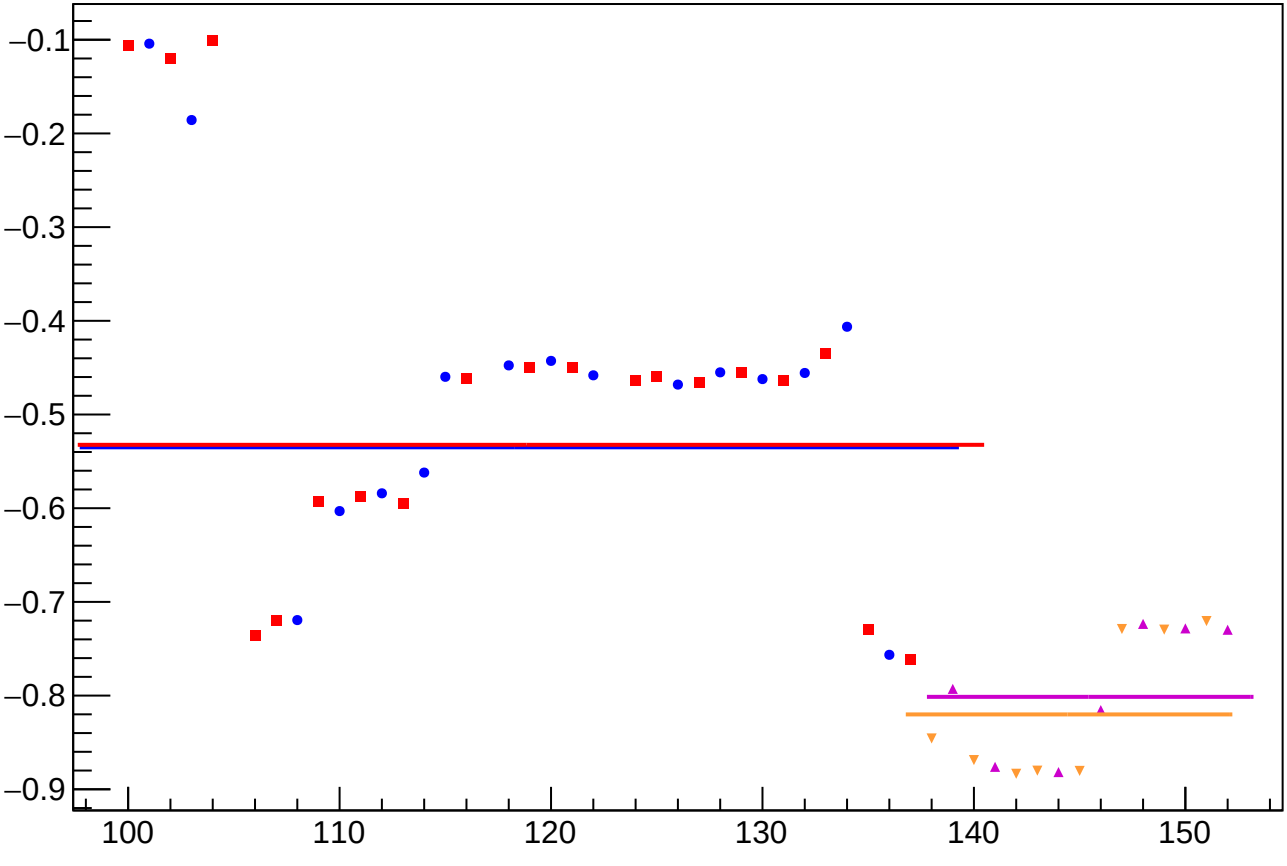
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:22624527.5/22

Out: 0.002+/-0.000 χ^2/NDF:22253774.7/26

All: 0.002+/-0.000 χ^2/NDF: 44878361.4/49

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: -0.801+/-0.000 χ^2/NDF:54844258.5/6

Left: -0.811+/-0.000 χ^2/NDF: 125537020.3/14

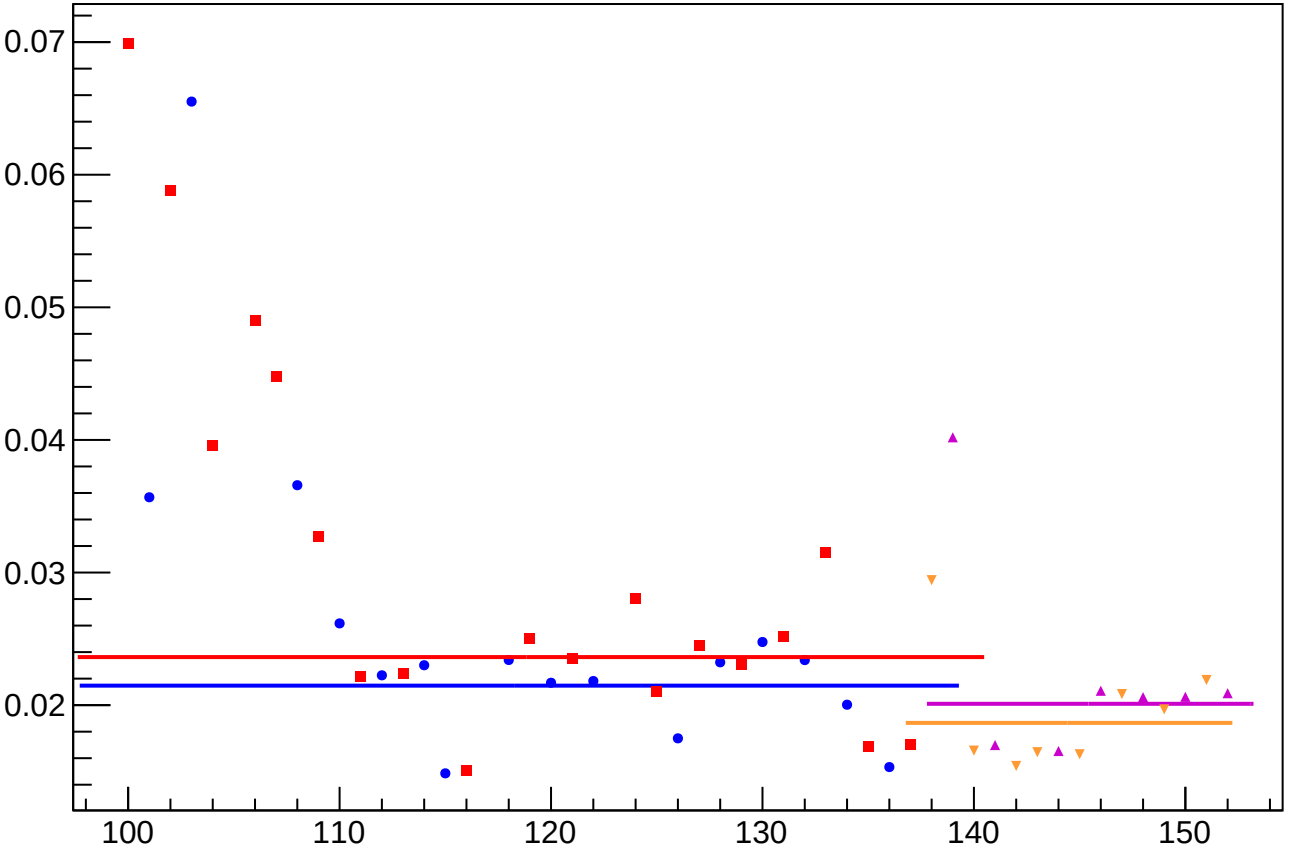
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.668+/-0.000 χ^2/NDF:767586644.7/22

Out: -0.696+/-0.000 χ^2/NDF:753532572.7/26

All: -0.682+/-0.000 χ^2/NDF: 1530265450.7/4

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:528899.6/6

Left: 0.019+/-0.000 χ^2/NDF: 866640.0/14

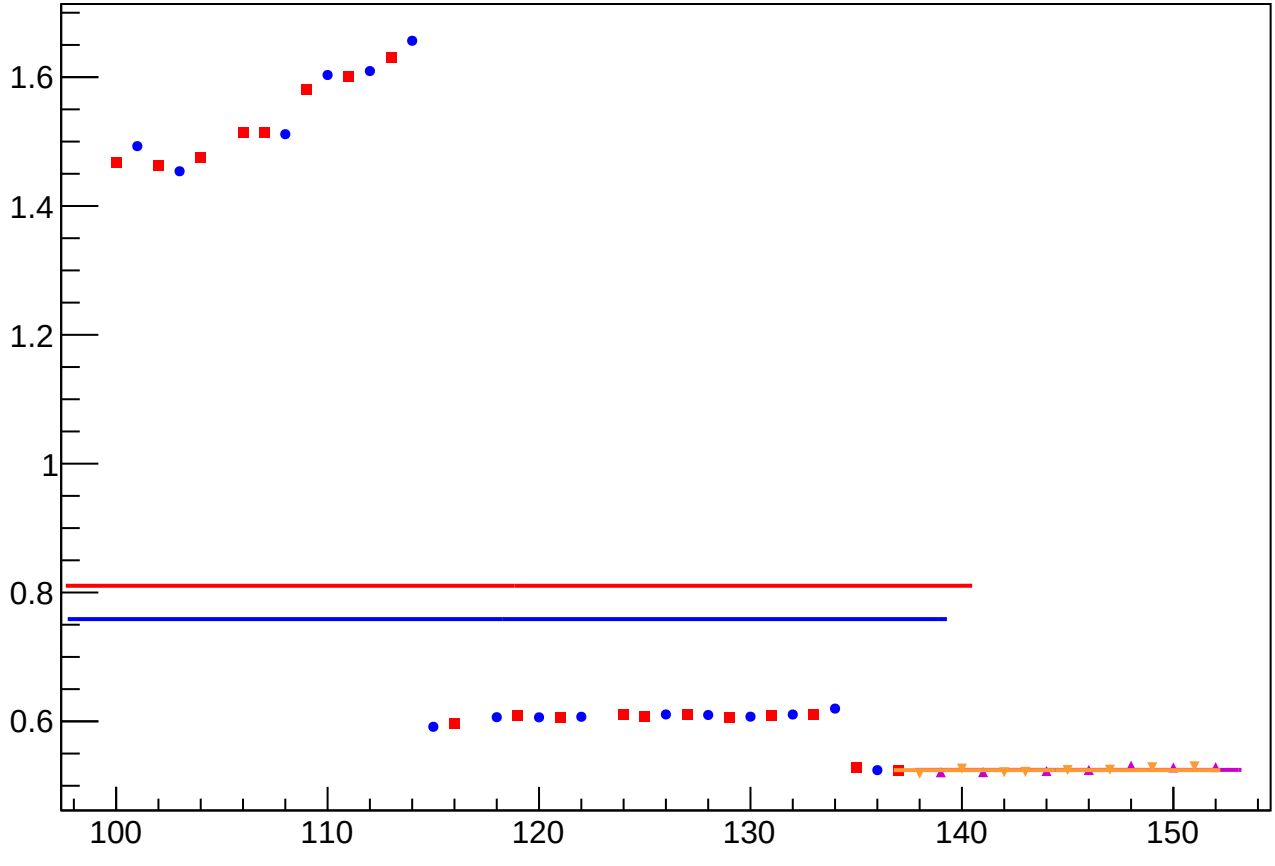
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1704680.8/22

Out: 0.021+/-0.000 χ^2/NDF:1869566.3/26

All: 0.021+/-0.000 χ^2/NDF: 3574251.6/49

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: 0.525+/-0.000 χ^2/NDF:443842.4/6

Left: 0.524+/-0.000 χ^2/NDF: 941192.6/14

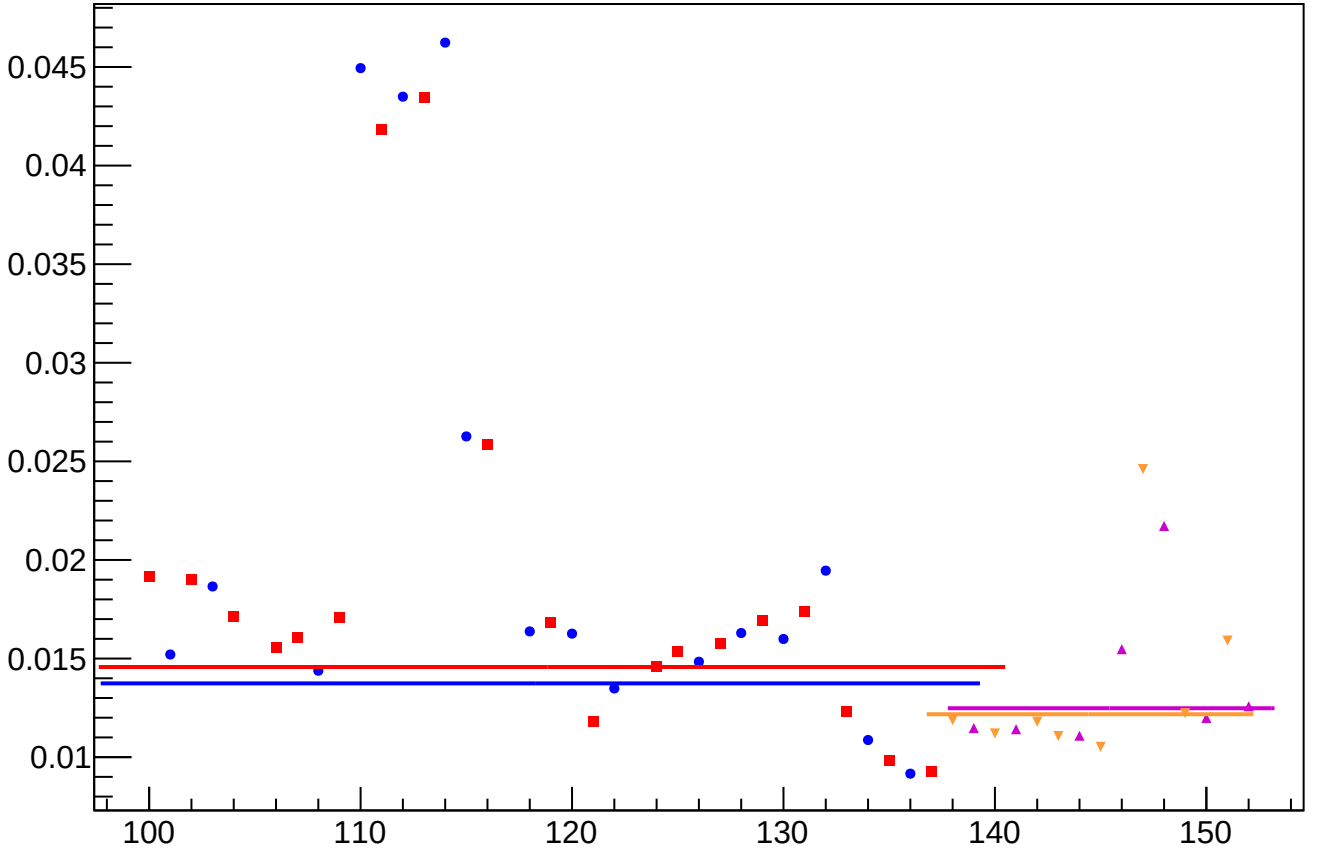
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.633+/-0.000 χ^2/NDF:5229196537.2/22

Out: 0.649+/-0.000 χ^2/NDF:6128206888.2/26

All: 0.641+/-0.000 χ^2/NDF: 11365519617.6/4

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:402365.7/6

Left: 0.012+/-0.000 χ^2/NDF: 964745.7/14

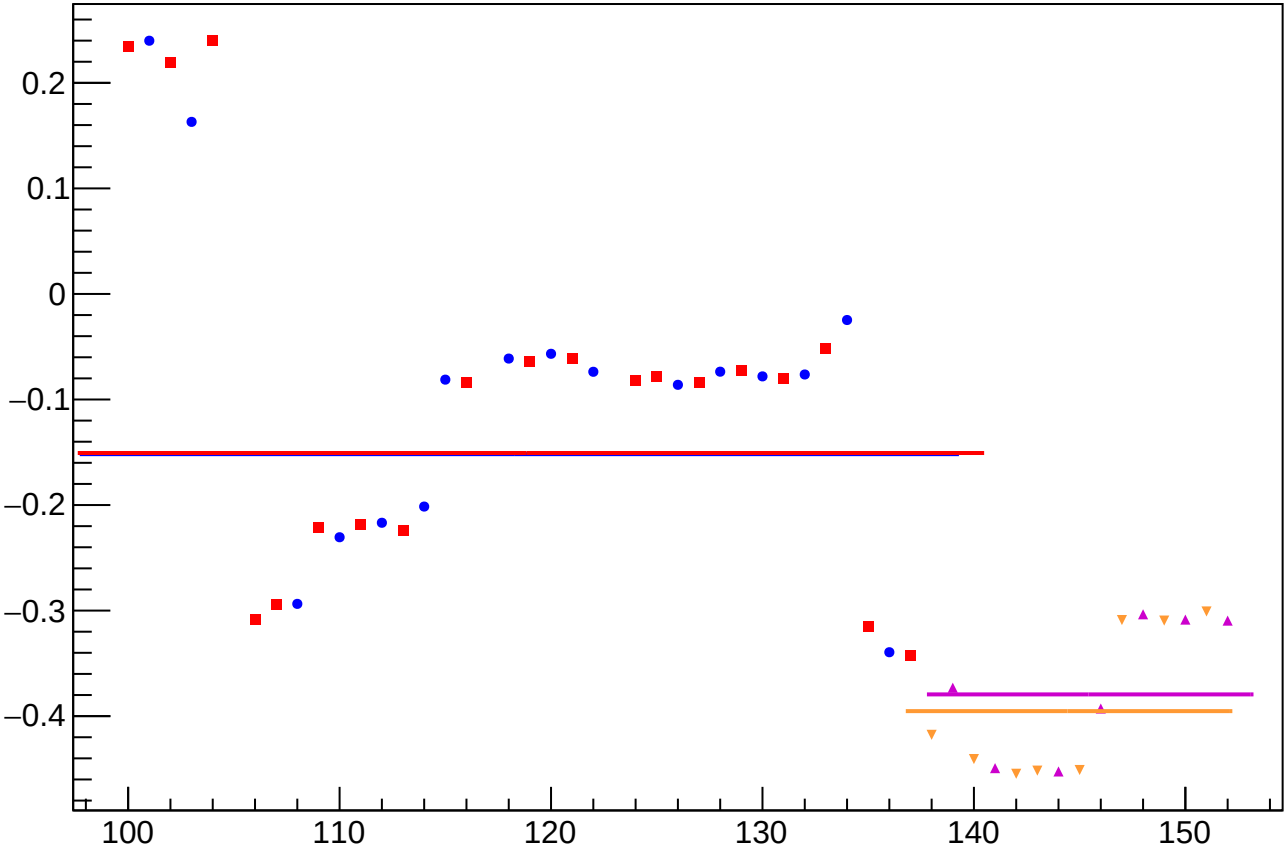
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2105761.5/22

Out: 0.013+/-0.000 χ^2/NDF:2204227.4/26

All: 0.013+/-0.000 χ^2/NDF: 4311586.5/49

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: -0.379+/-0.000 χ^2/NDF:55133308.7/6

Left: -0.388+/-0.000 χ^2/NDF: 123848369.7/14

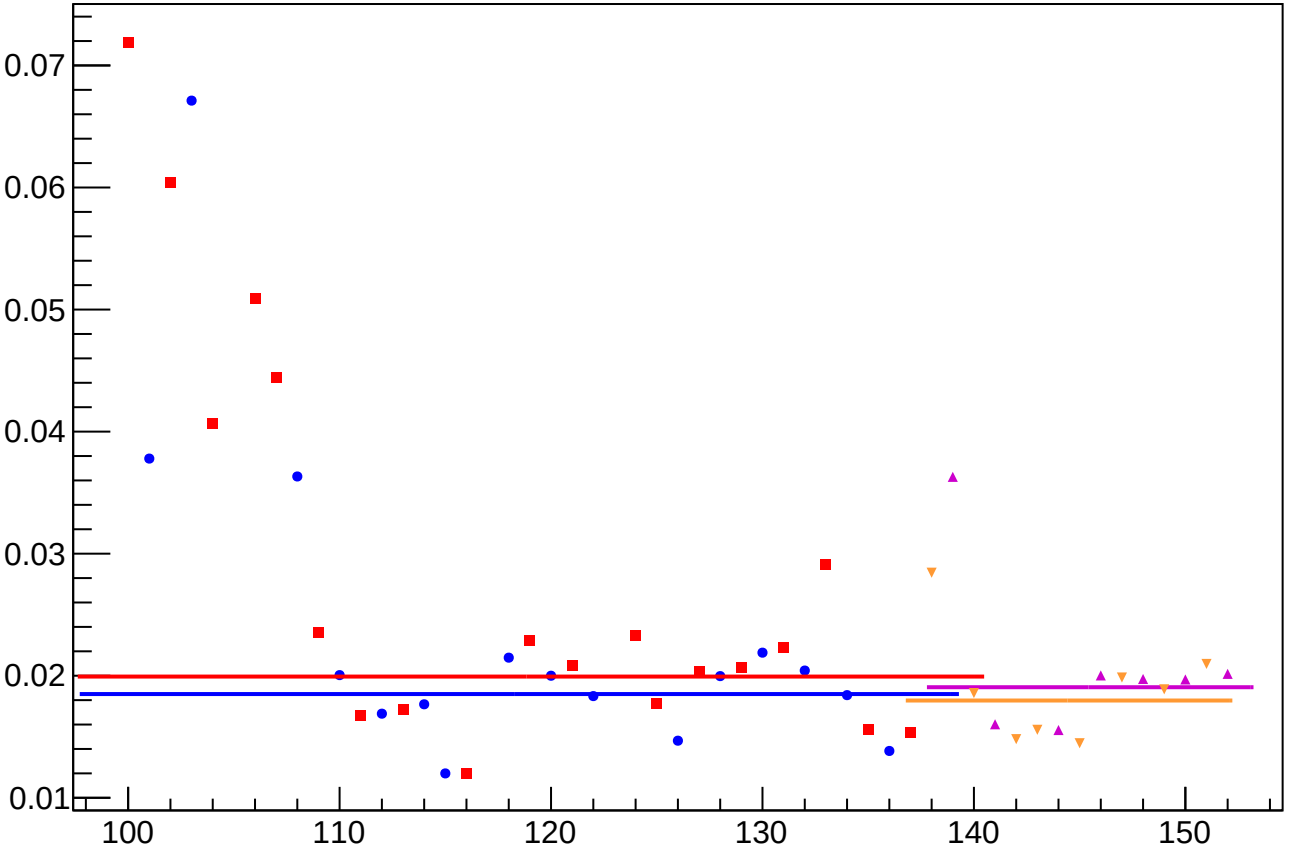
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.256+/-0.000 χ^2/NDF:697773291.8/22

Out: -0.276+/-0.000 χ^2/NDF:687457321.6/26

All: -0.266+/-0.000 χ^2/NDF: 1391012886.4/4

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:502315.7/6

Left: 0.018+/-0.000 χ^2/NDF: 868275.7/14

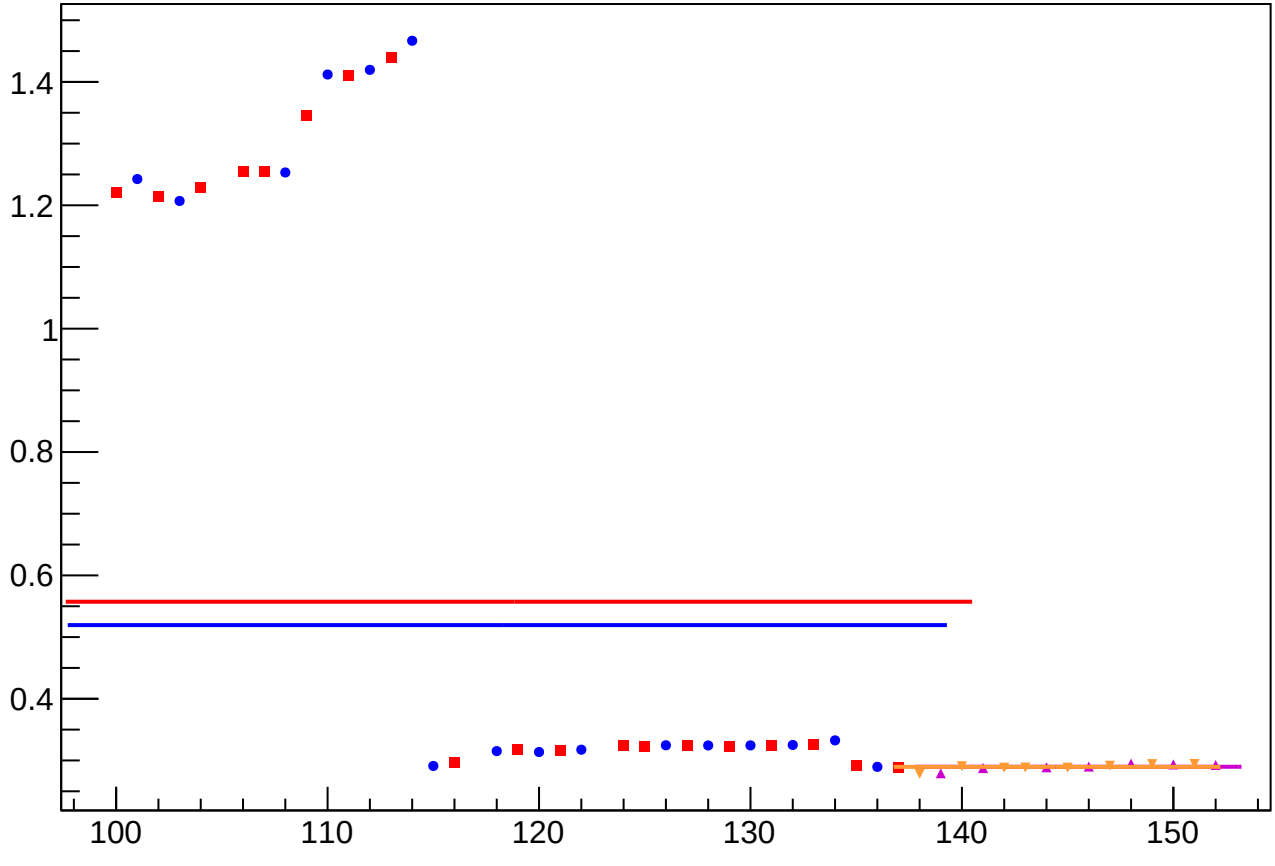
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1879105.5/22

Out: 0.019+/-0.000 χ^2/NDF:1951457.4/26

All: 0.019+/-0.000 χ^2/NDF: 3831366.3/49

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: 0.290+/-0.000 χ^2/NDF:913290.7/6

Left: 0.290+/-0.000 χ^2/NDF: 1744374.6/14

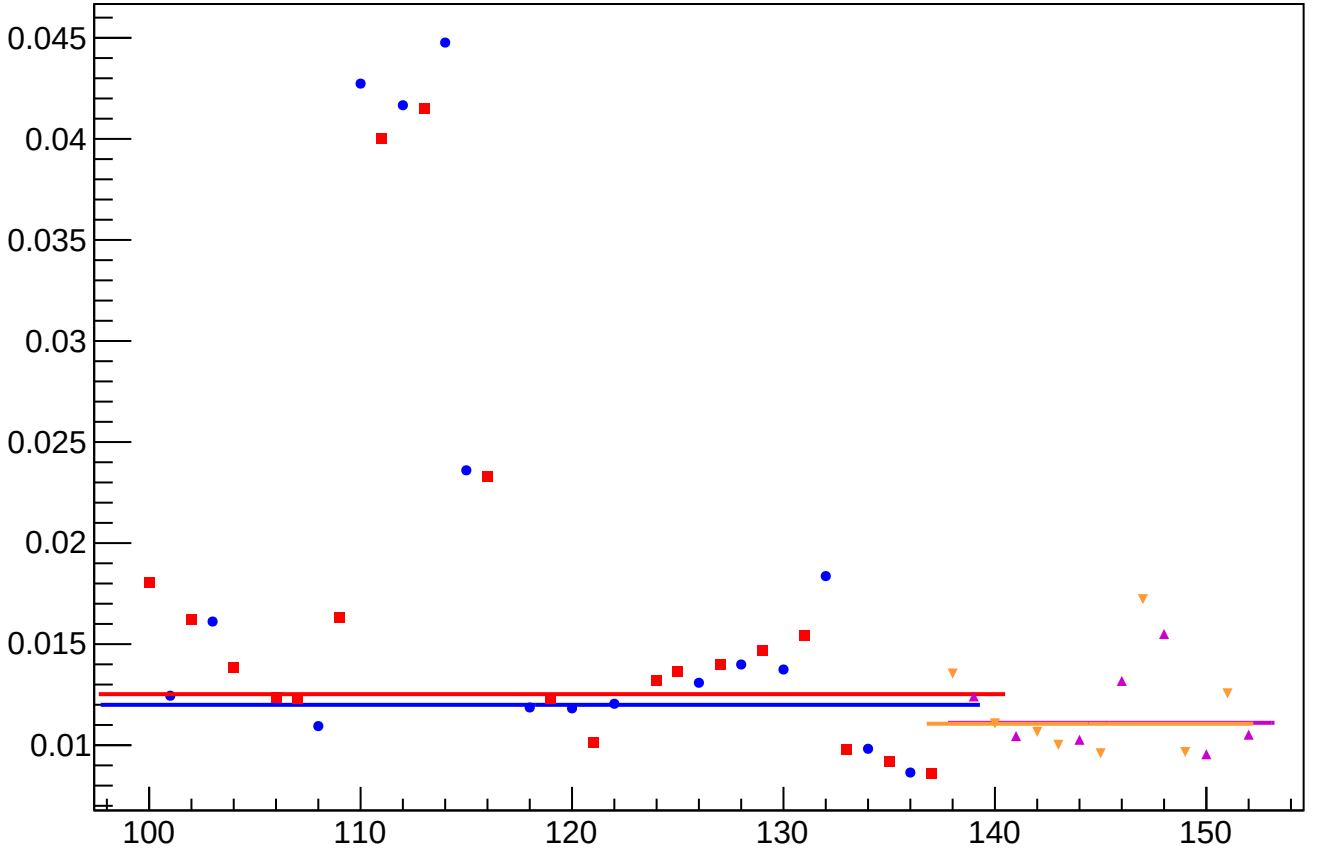
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.398+/-0.000 χ^2/NDF:7474597796.0/22

Out: 0.411+/-0.000 χ^2/NDF:8271805702.7/26

All: 0.405+/-0.000 χ^2/NDF: 15754154341.1/4

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:256599.2/6

Left: 0.011+/-0.000 χ^2/NDF: 623007.9/14

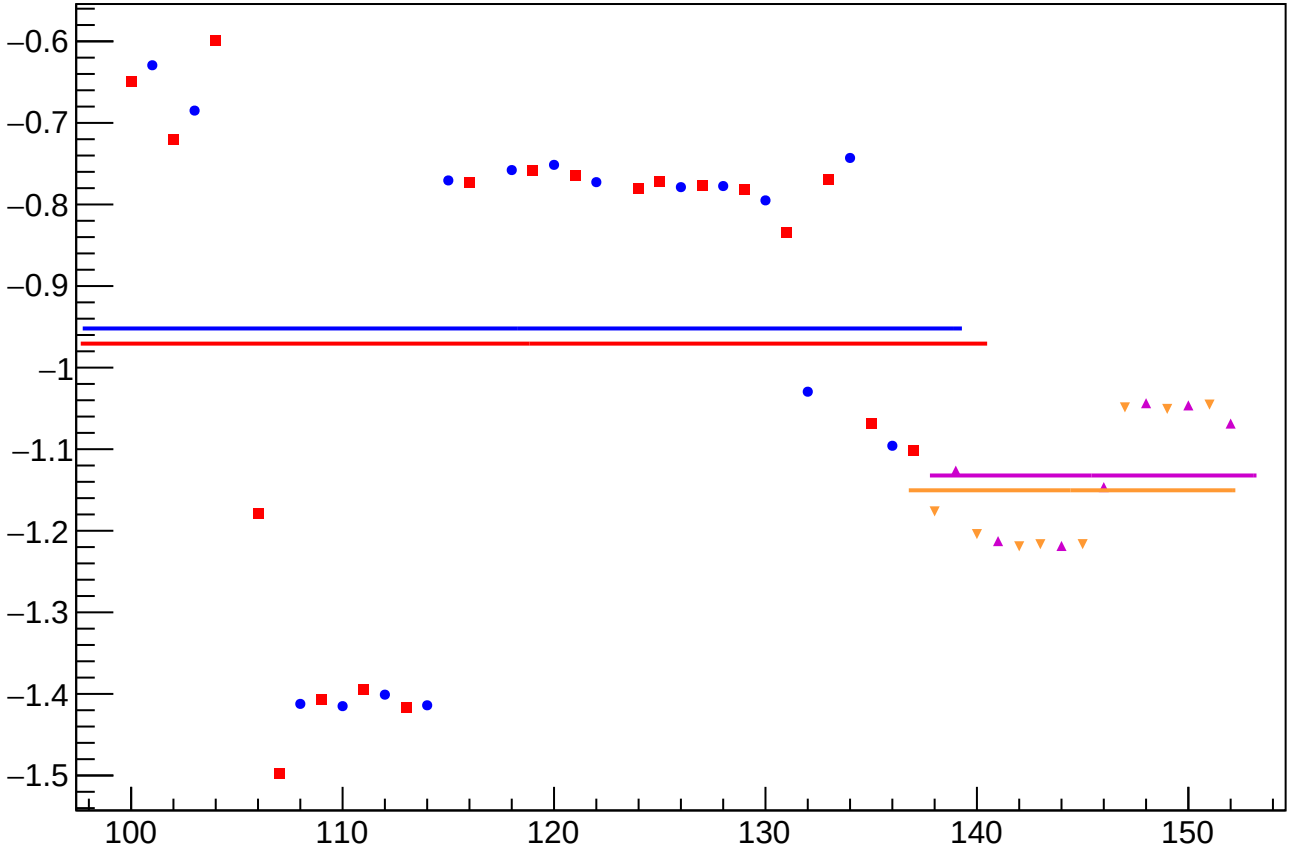
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.012+/-0.000 χ^2/NDF:1782871.4/22

Out: 0.012+/-0.000 χ^2/NDF:1891681.1/26

All: 0.012+/-0.000 χ^2/NDF: 3678045.7/49

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: -1.132+/-0.000 χ^2/NDF:67076162.7/6

Left: -1.142+/-0.000 χ^2/NDF: 154795237.3/14

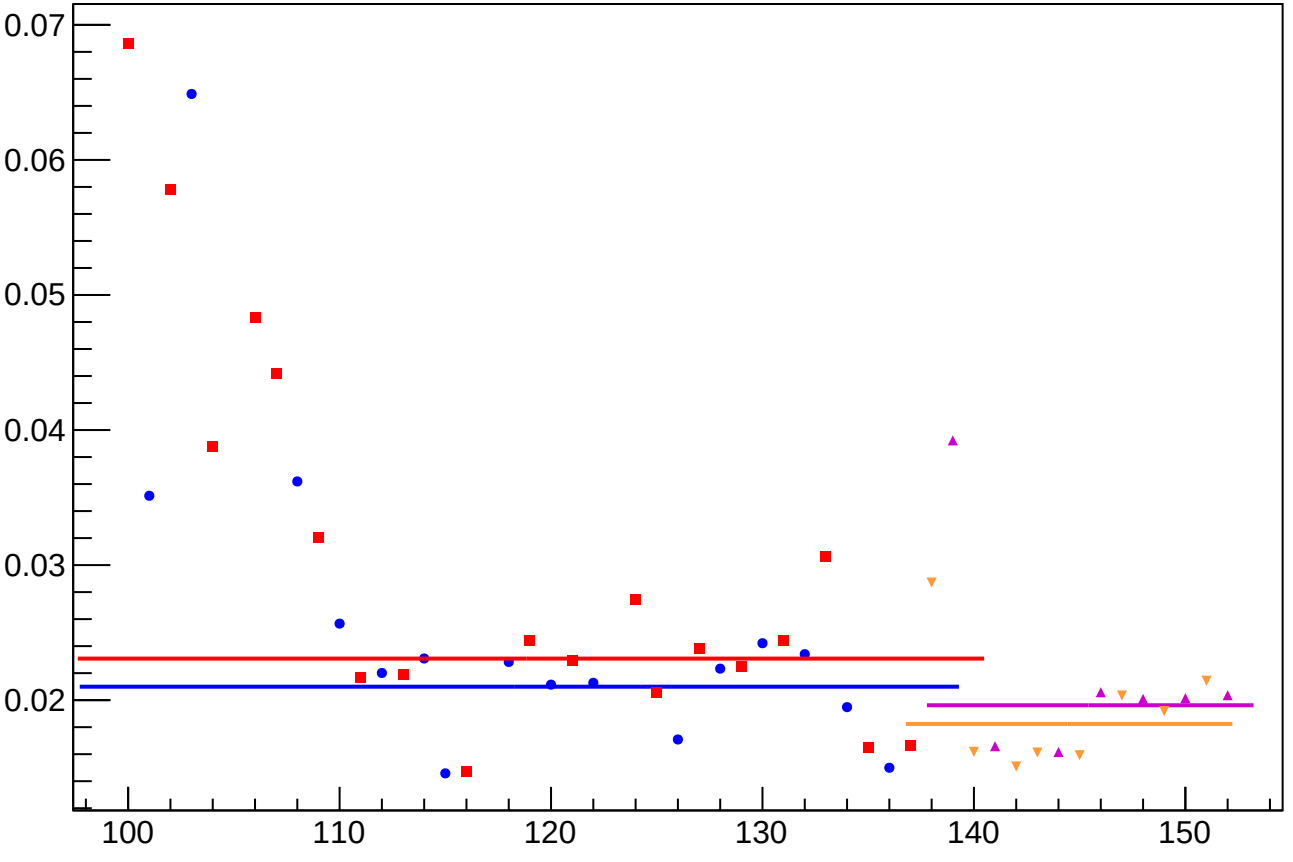
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.042+/-0.000 χ^2/NDF:964063171.5/22

Out: -1.073+/-0.000 χ^2/NDF:992427295.8/26

All: -1.058+/-0.000 χ^2/NDF: 1968000628.9/4

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:527838.9/6

Left: 0.019+/-0.000 χ^2/NDF: 863176.1/14

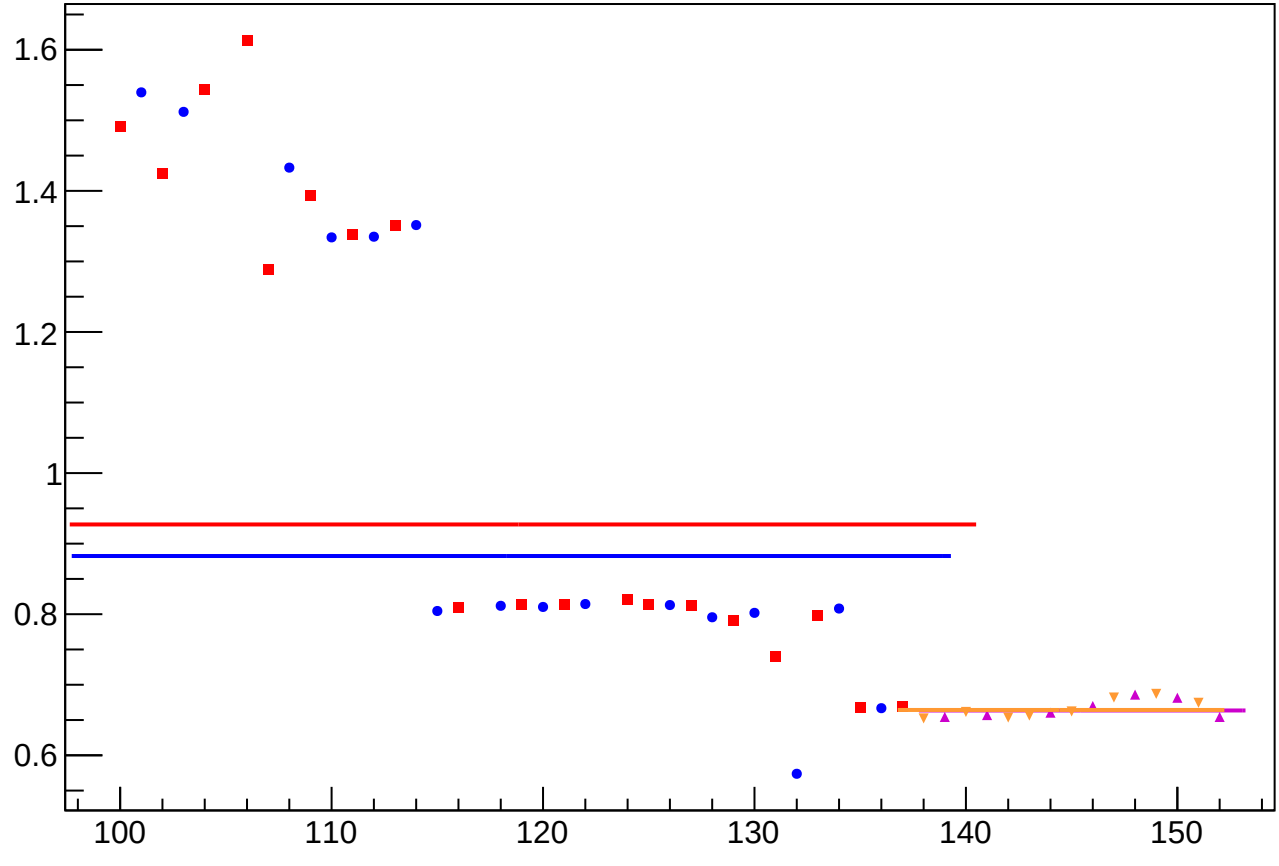
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1717816.4/22

Out: 0.020+/-0.000 χ^2/NDF:1870481.3/26

All: 0.020+/-0.000 χ^2/NDF: 3588300.3/49

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: 0.664+/-0.000 χ^2/NDF:4267337.3/6

Left: 0.664+/-0.000 χ^2/NDF: 9438573.8/14

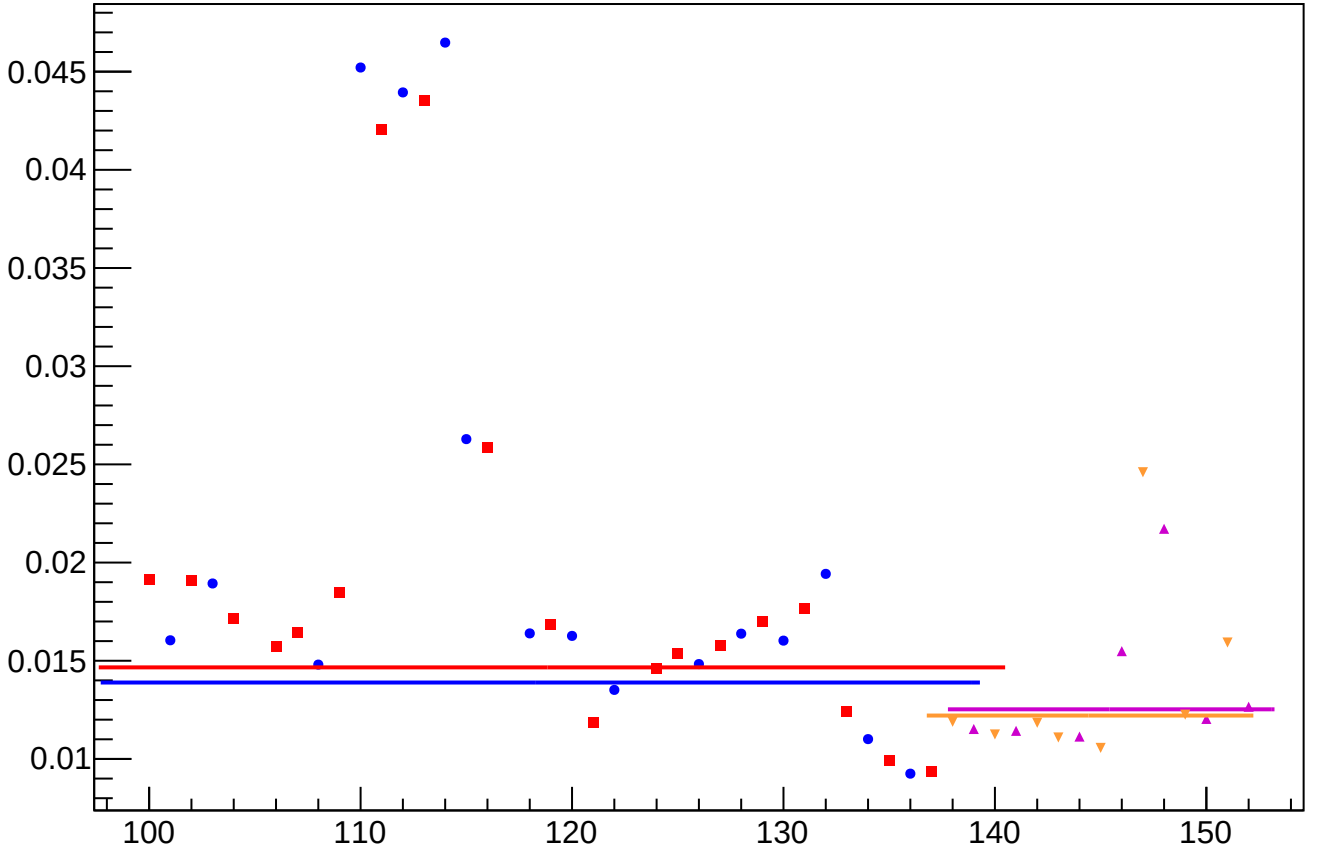
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.764+/-0.000 χ^2/NDF:3583256270.6/22

Out: 0.778+/-0.000 χ^2/NDF:3900532303.8/26

All: 0.771+/-0.000 χ^2/NDF: 7490066091.1/49

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:398066.3/6

Left: 0.012+/-0.000 χ^2/NDF: 956342.5/14

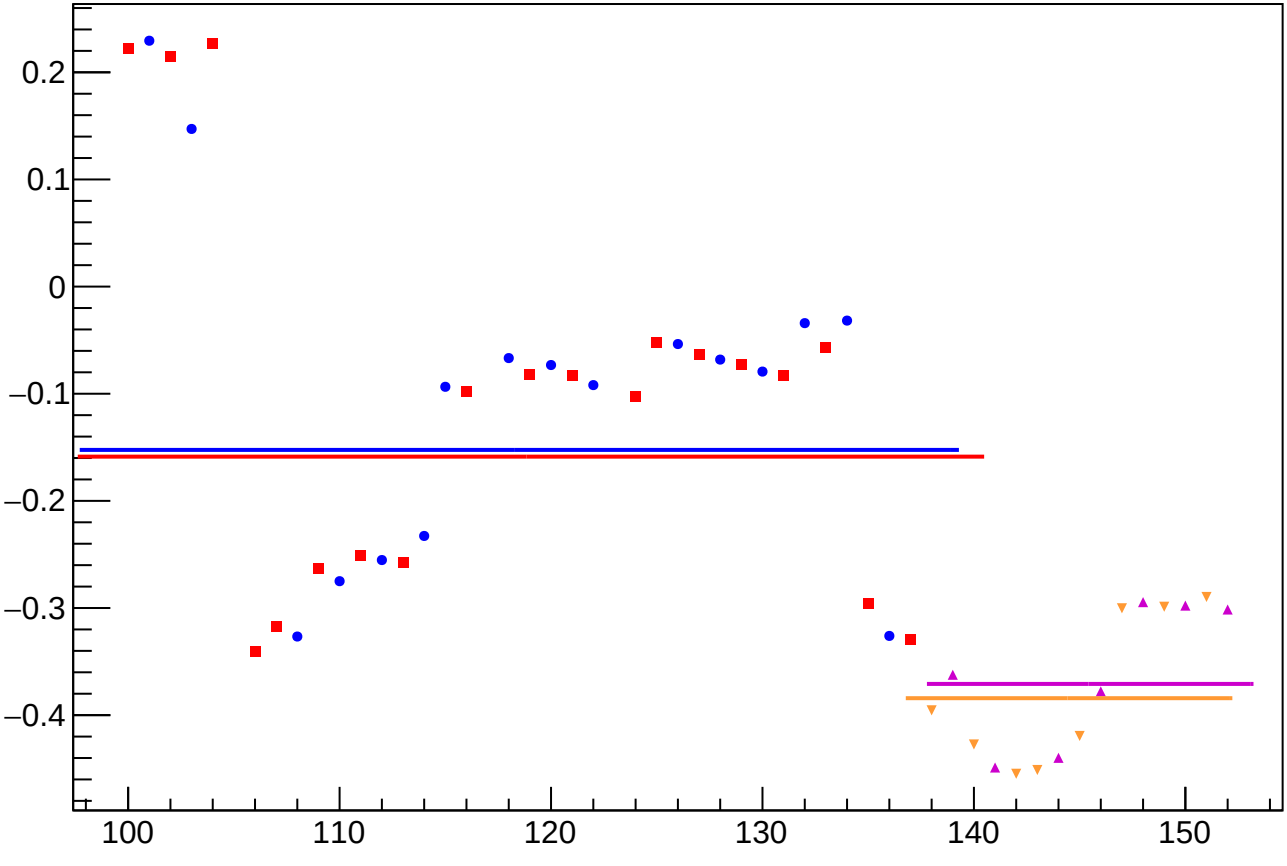
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2106542.1/22

Out: 0.013+/-0.000 χ^2/NDF:2218681.0/26

All: 0.013+/-0.000 χ^2/NDF: 4326120.8/49

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: -0.371+/-0.000 χ^2/NDF:56070939.5/6

Left: -0.378+/-0.000 χ^2/NDF: 122092851.2/14

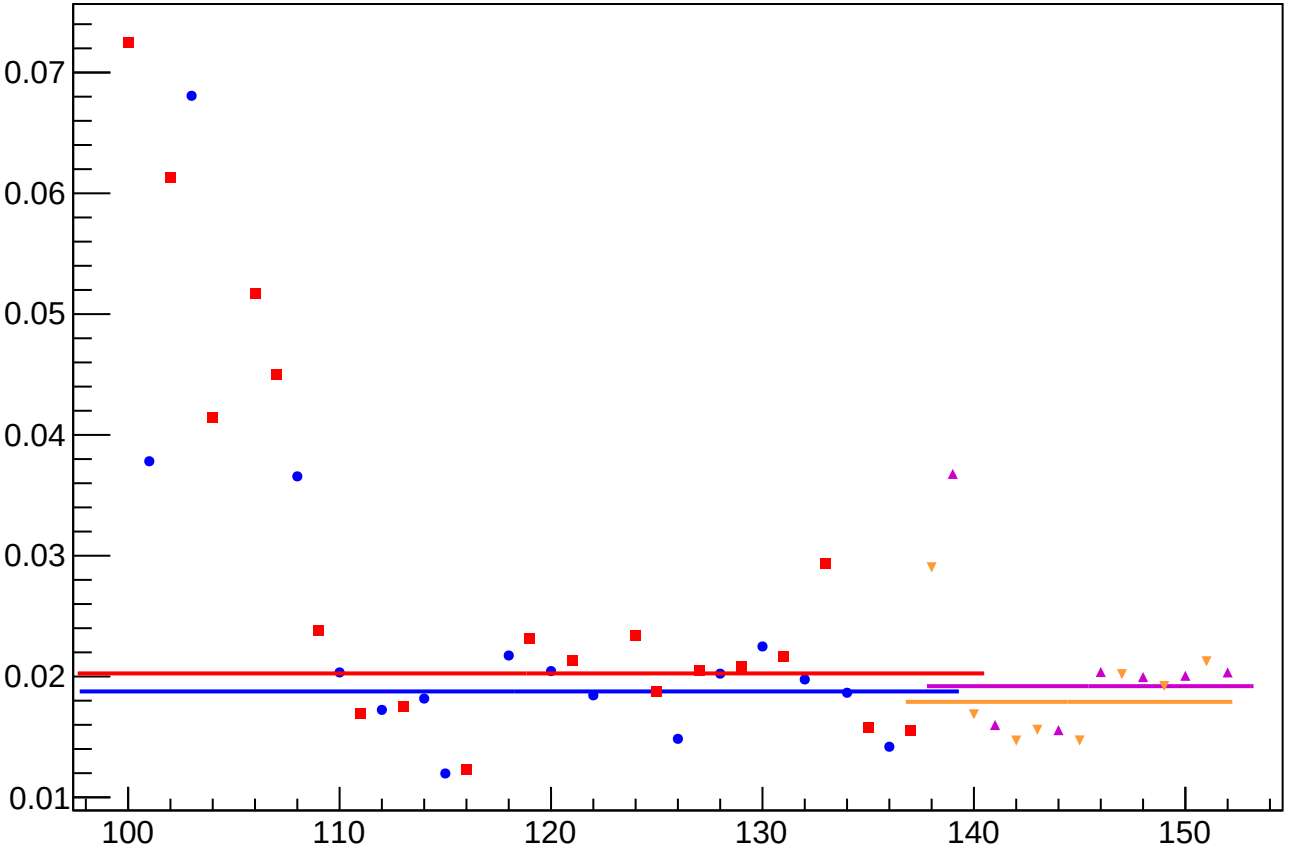
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.253+/-0.000 χ^2/NDF:659907670.1/22

Out: -0.276+/-0.000 χ^2/NDF:612025020.3/26

All: -0.265+/-0.000 χ^2/NDF: 1279405307.1/4

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:520029.5/6

Left: 0.019+/-0.000 χ^2/NDF: 914192.2/14

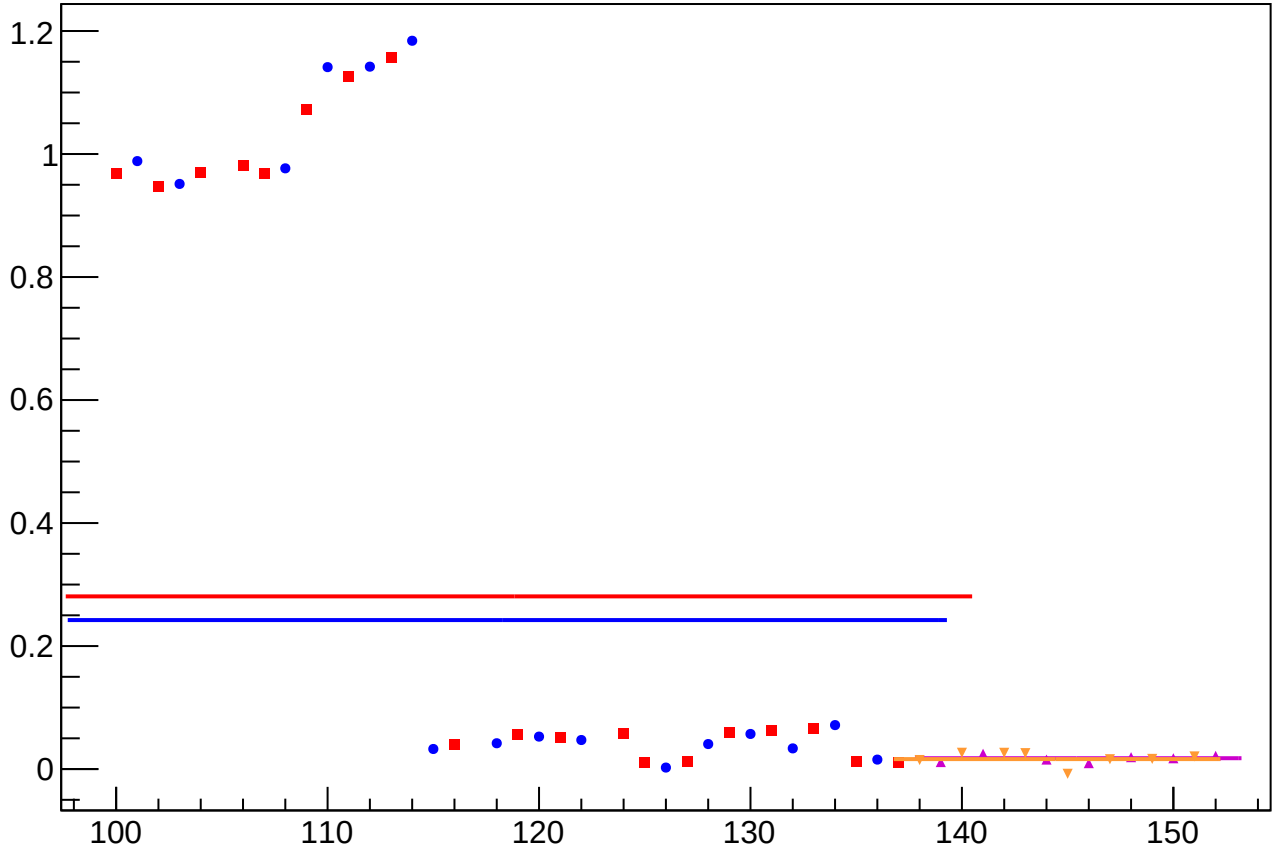
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1872073.2/22

Out: 0.019+/-0.000 χ^2/NDF:1977579.6/26

All: 0.019+/-0.000 χ^2/NDF: 3849764.6/49

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: 0.018+/-0.000 χ^2/NDF:1119287.6/6

Left: 0.017+/-0.000 χ^2/NDF: 8054161.4/14

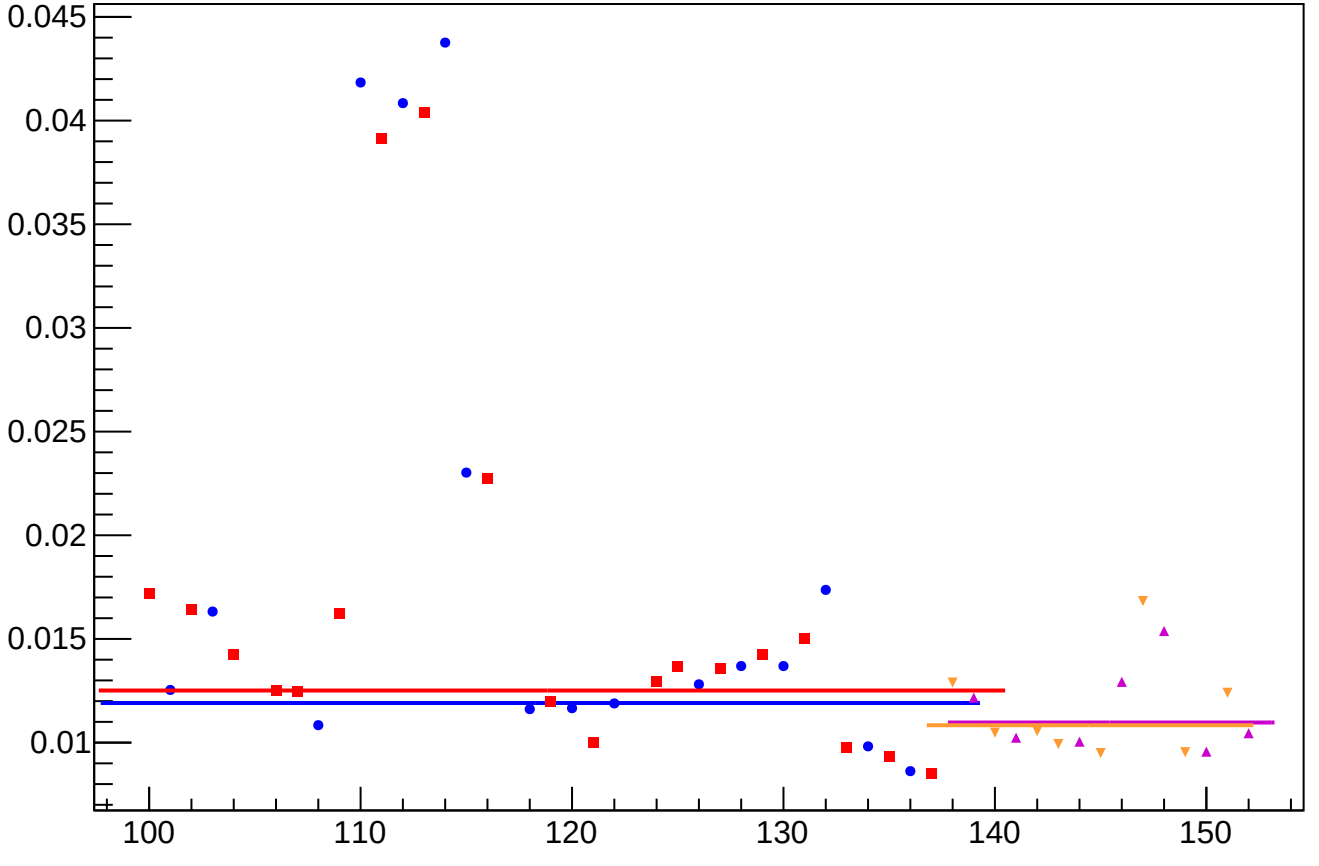
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.123+/-0.000 χ^2/NDF:7635850112.5/22

Out: 0.134+/-0.000 χ^2/NDF:8284922716.4/26

All: 0.128+/-0.000 χ^2/NDF: 15926163477.6/4

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:250190.8/6

Left: 0.011+/-0.000 χ^2/NDF: 593813.5/14

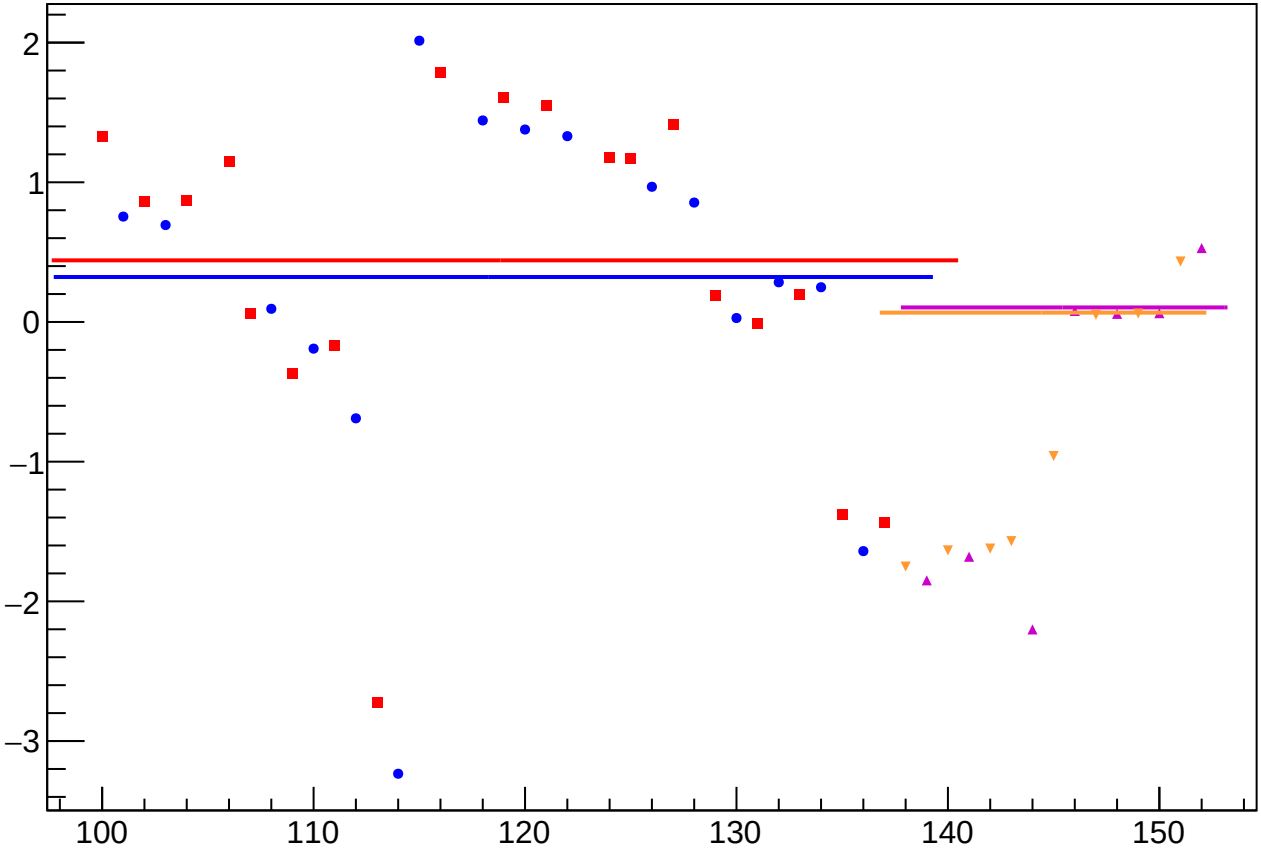
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1749153.4/22

Out: 0.012+/-0.000 χ^2/NDF:1857015.7/26

All: 0.011+/-0.000 χ^2/NDF: 3608832.5/49

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: 0.104+/-0.000 χ^2/NDF:2278225445.0/6

Left: 0.088+/-0.000 χ^2/NDF: 3808906313.2/14

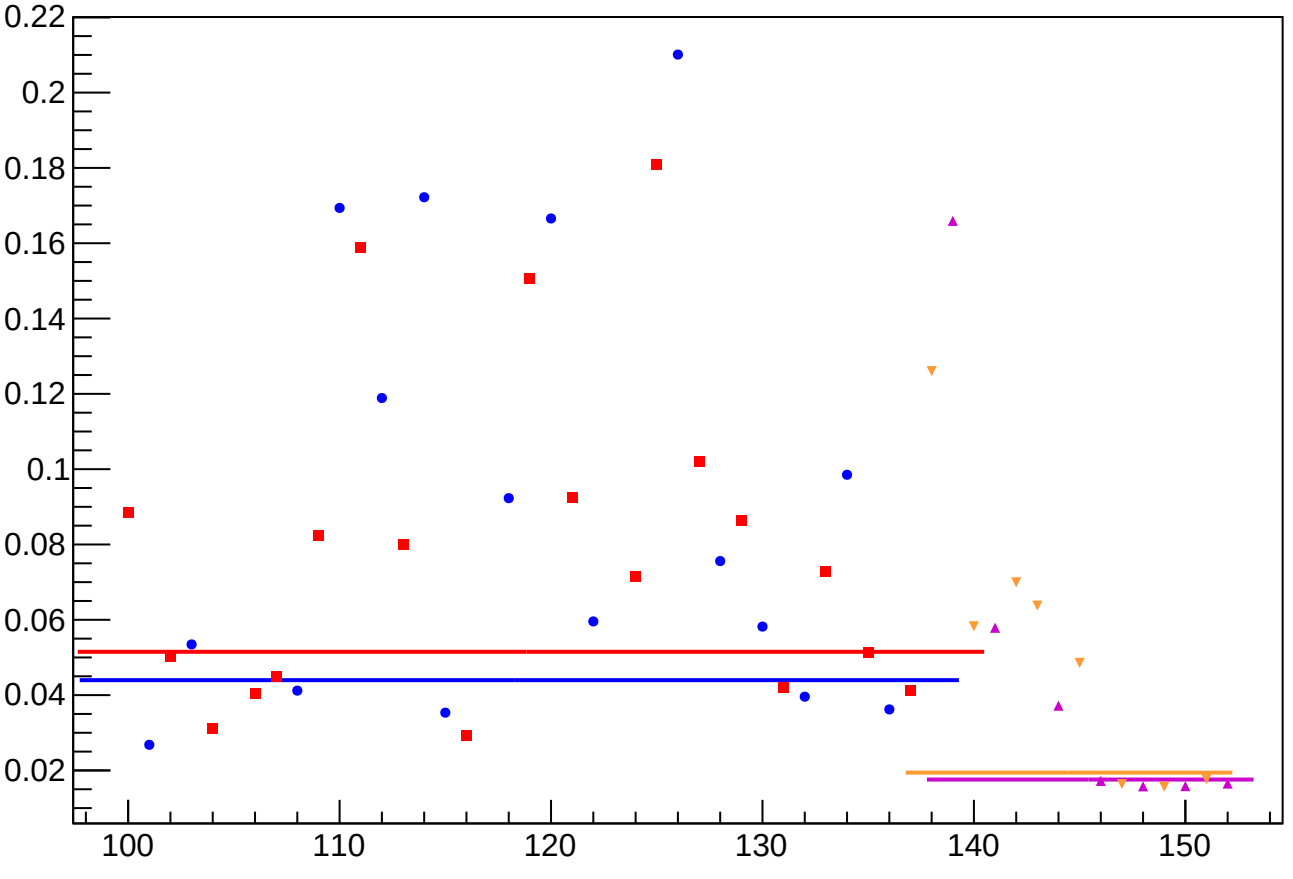
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.136+/-0.000 χ^2/NDF:4023427262.2/22

Out: 0.127+/-0.000 χ^2/NDF:3514264847.3/26

All: 0.132+/-0.000 χ^2/NDF: 7538234754.9/49

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:1925412.7/6

Left: 0.018+/-0.000 χ^2/NDF: 4542583.9/14

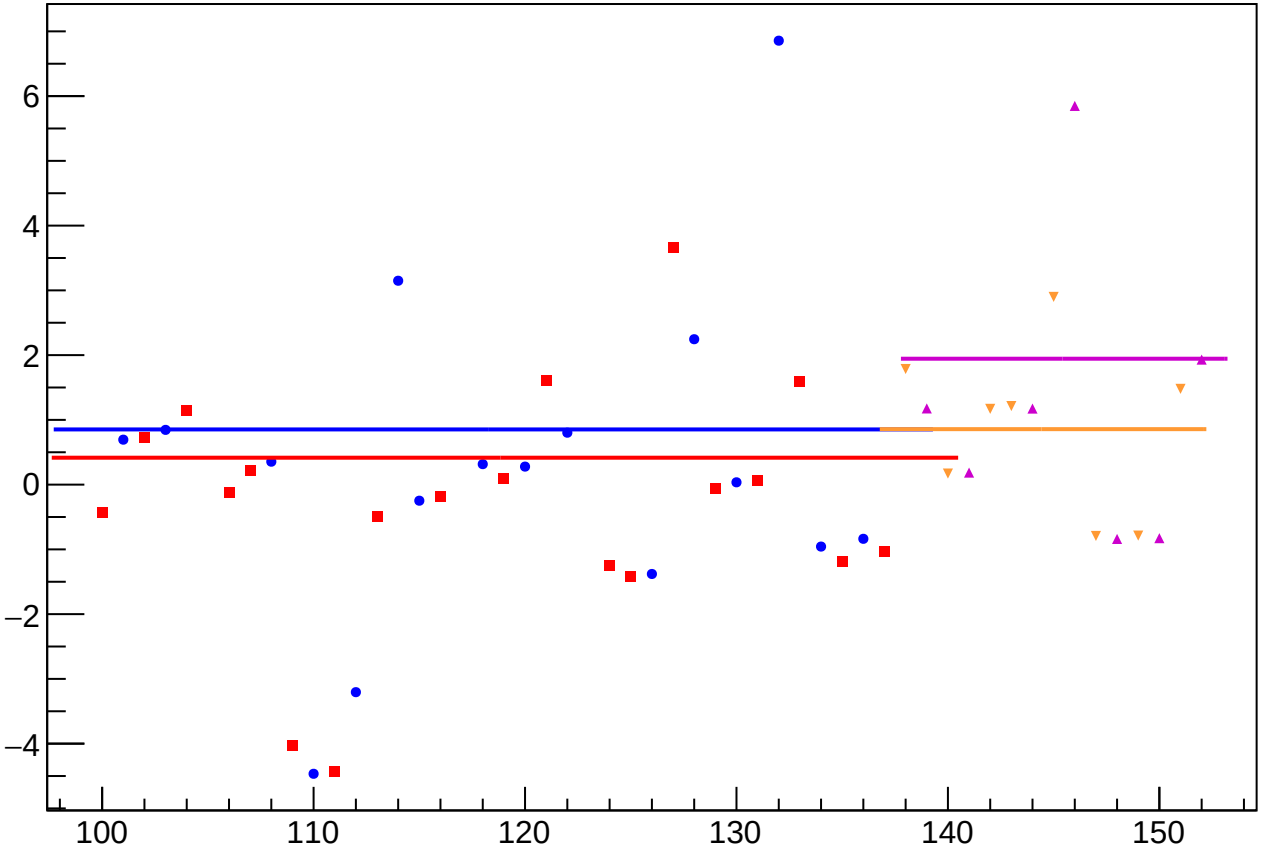
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.021+/-0.000 χ^2/NDF:7068545.8/22

Out: 0.025+/-0.000 χ^2/NDF:7798501.2/26

All: 0.023+/-0.000 χ^2/NDF: 14976126.7/49

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: 1.944+/-0.000 χ^2/NDF:113072916764.2/6

Left: 1.487+/-0.000 χ^2/NDF: 149909502118.5/14

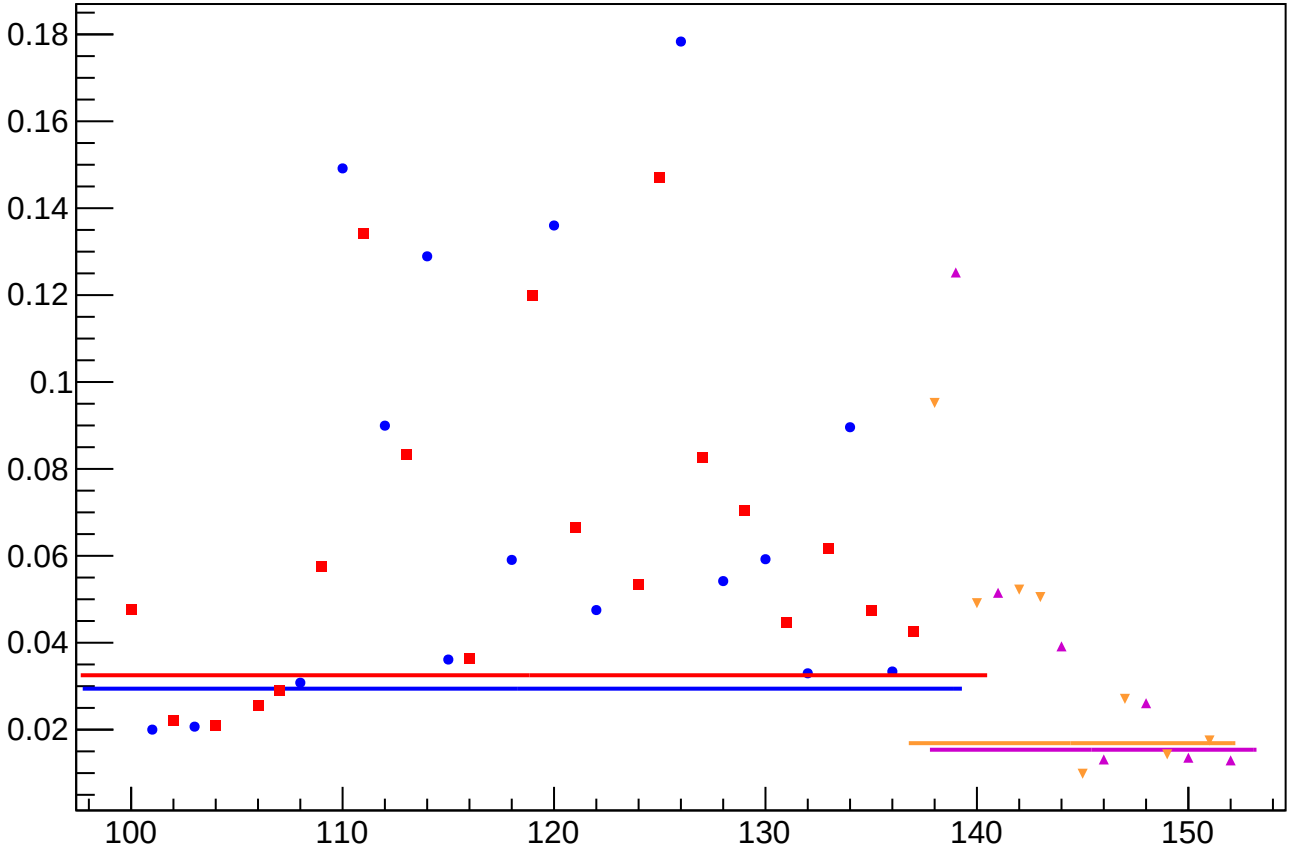
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 1.713+/-0.000 χ^2/NDF:128649143721.8/22

Out: 0.745+/-0.000 χ^2/NDF:34663586286.9/26

All: 1.293+/-0.000 χ^2/NDF: 171460991932.7

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: 0.015+/-0.000 χ^2/NDF:2374335.4/6

Left: 0.016+/-0.000 χ^2/NDF: 4946003.0/14

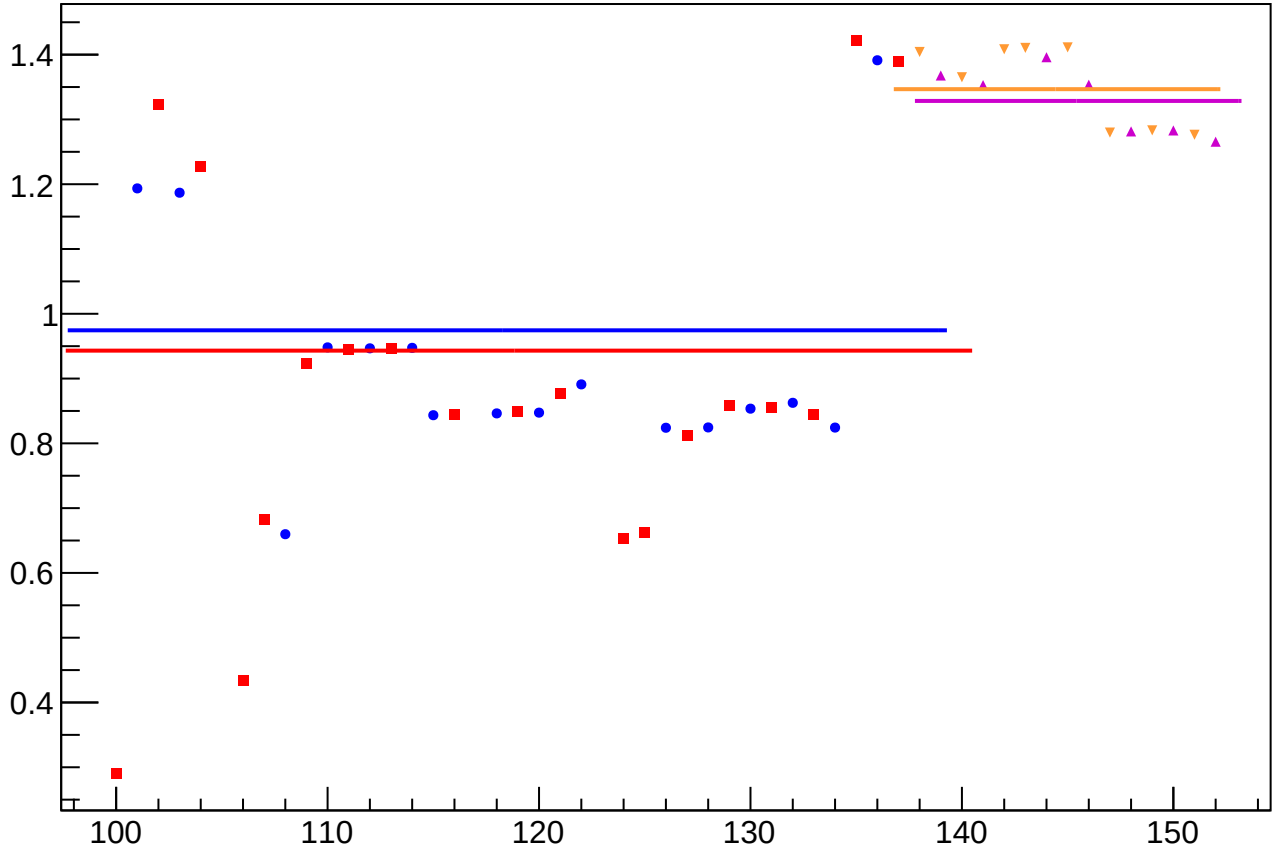
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.018+/-0.000 χ^2/NDF:6892102.9/22

Out: 0.021+/-0.000 χ^2/NDF:7279312.3/26

All: 0.019+/-0.000 χ^2/NDF: 14279688.1/49

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: 1.329+/-0.000 χ^2/NDF:72207236.9/6

Left: 1.338+/-0.000 χ^2/NDF: 203116101.7/14

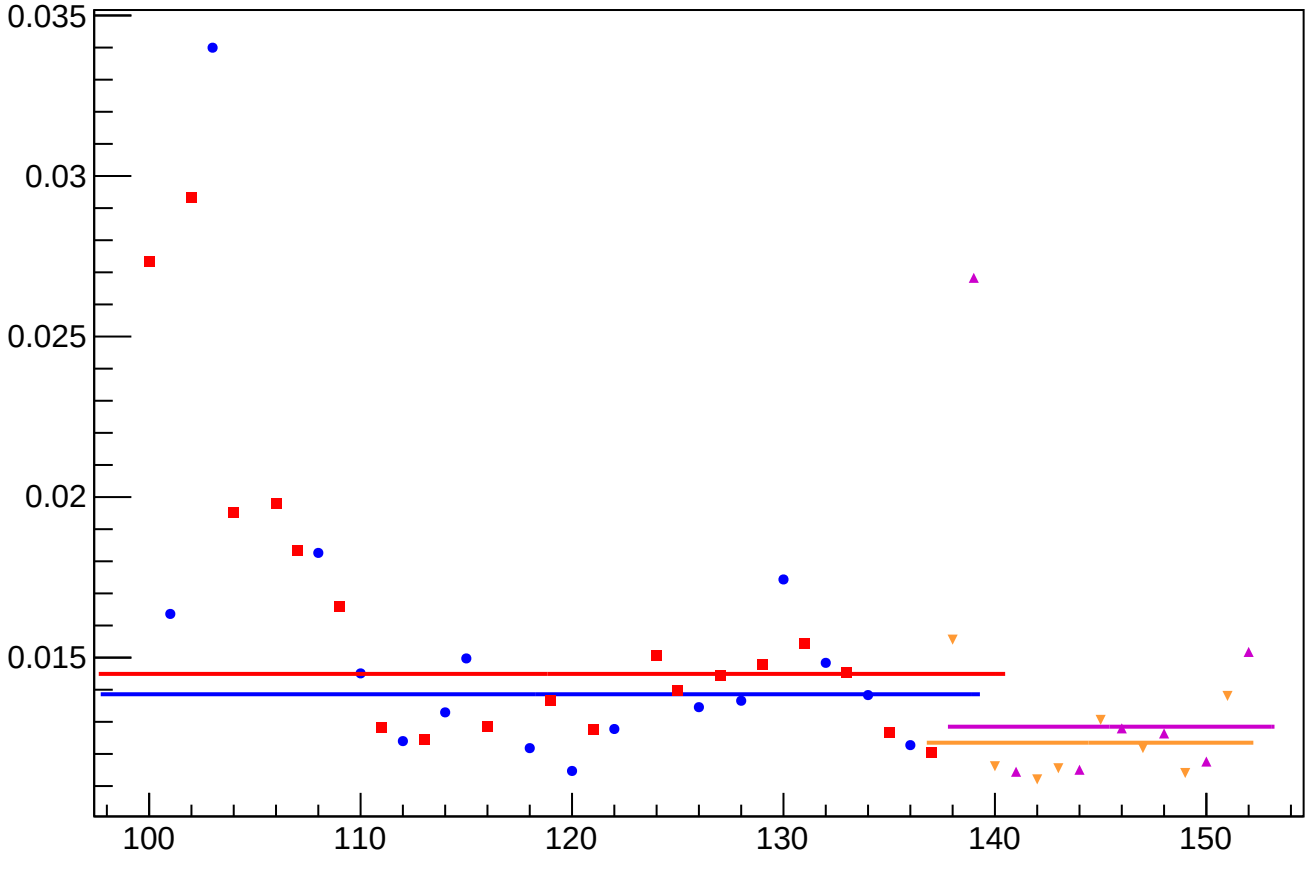
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.150+/-0.000 χ^2/NDF:3542289455.2/22

Out: 1.157+/-0.000 χ^2/NDF:4432374543.0/26

All: 1.154+/-0.000 χ^2/NDF: 7976299314.0/49

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:535527.6/6

Left: 0.013+/-0.000 χ^2/NDF: 649301.4/14

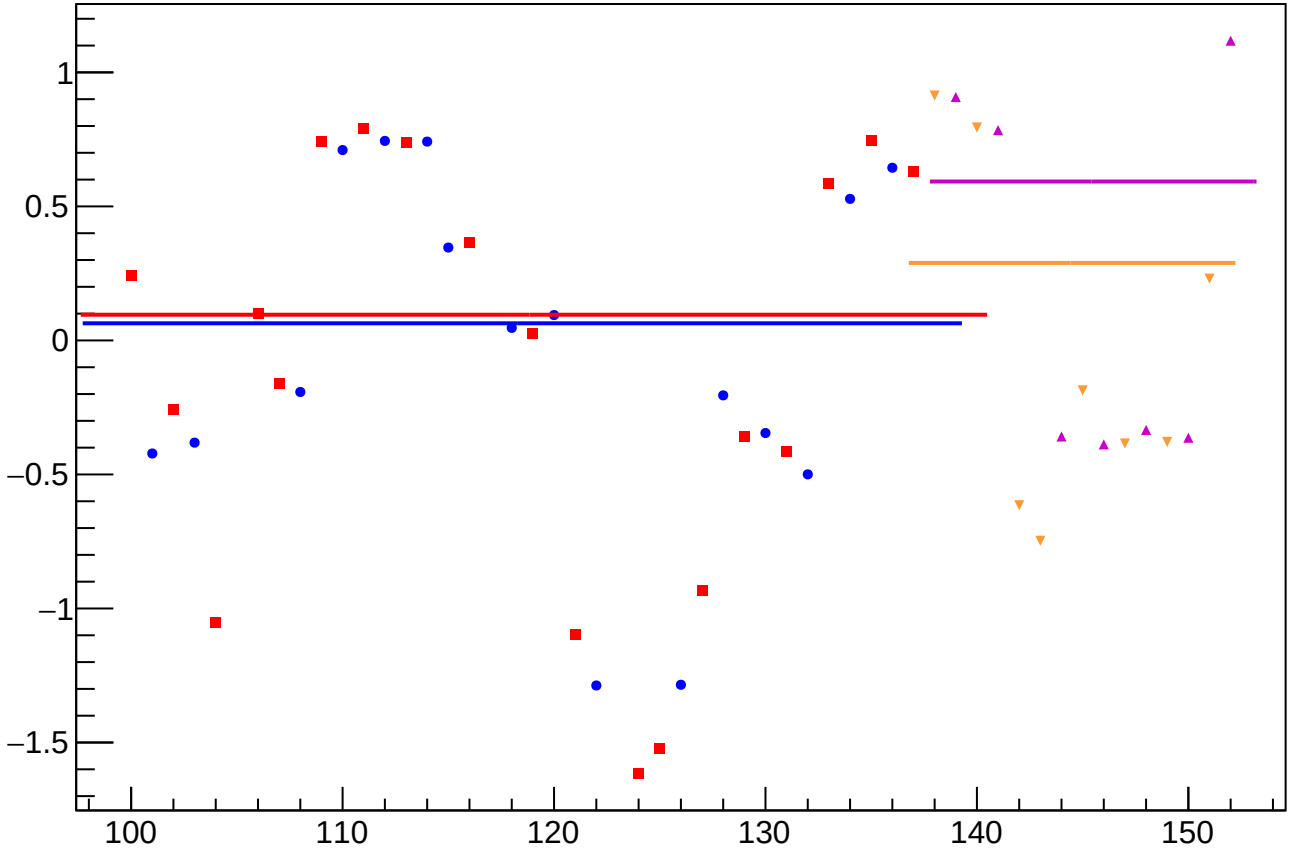
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.013+/-0.000 χ^2/NDF:1168264.0/22

Out: 0.013+/-0.000 χ^2/NDF:798533.5/26

All: 0.013+/-0.000 χ^2/NDF: 1966797.7/49

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: 0.593+/-0.000 χ^2/NDF:15295934225.9/6

Left: 0.446+/-0.000 χ^2/NDF: 36722091823.7/14

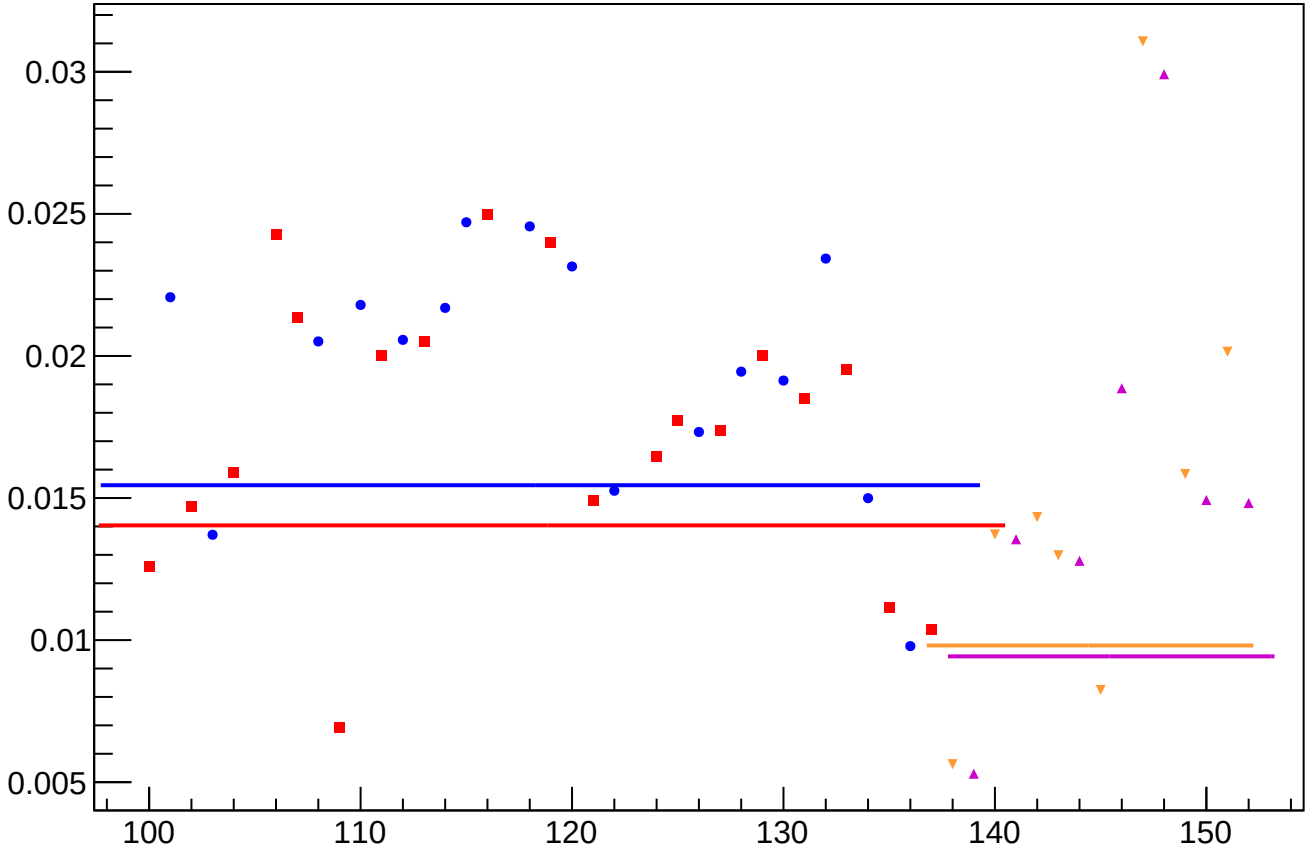
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.413+/-0.000 χ^2/NDF:30981182933.4/22

Out: 0.213+/-0.000 χ^2/NDF:37700734911.2/26

All: 0.312+/-0.000 χ^2/NDF: 70182803111.6/4

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:2825180.2/6

Left: 0.010+/-0.000 χ^2/NDF: 5235390.9/14

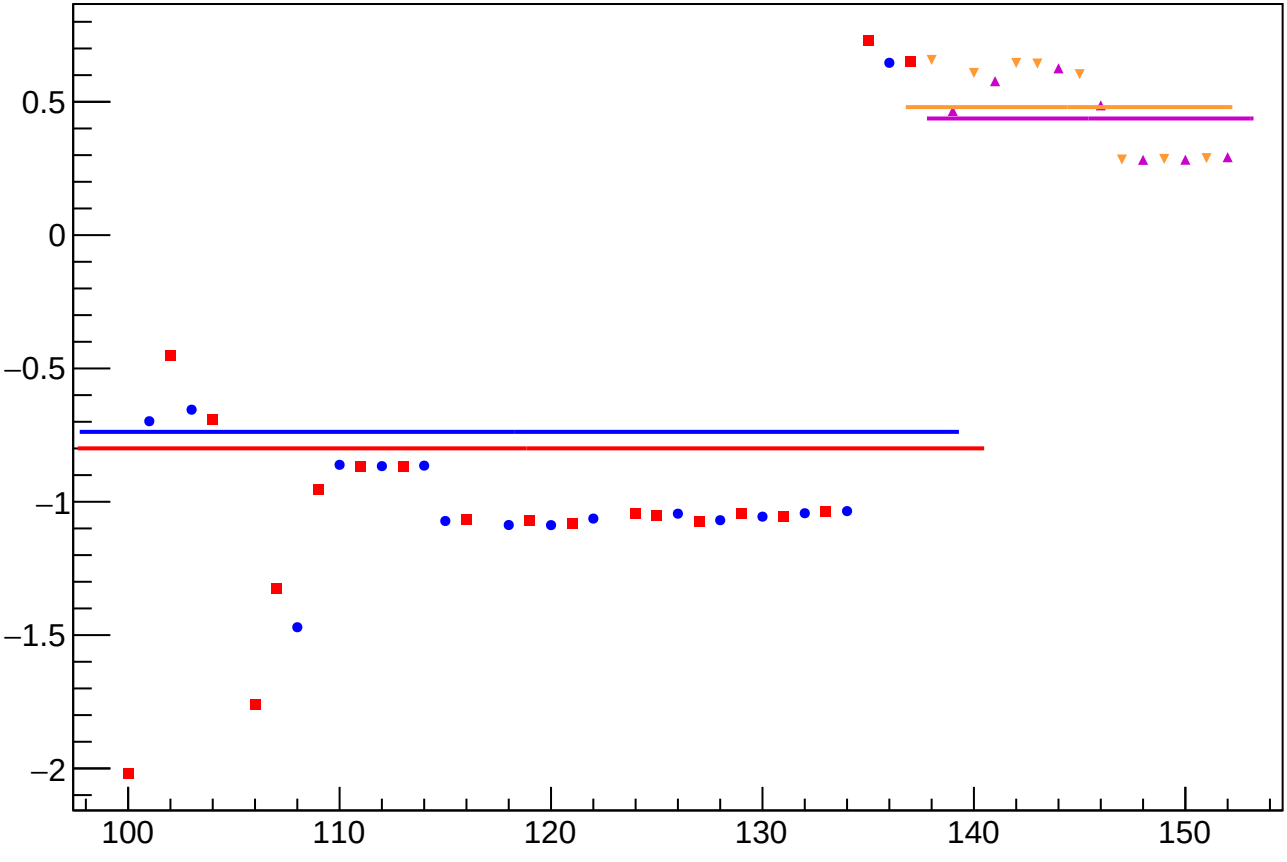
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.011+/-0.000 χ^2/NDF:5324457.0/22

Out: 0.011+/-0.000 χ^2/NDF:4736172.9/26

All: 0.011+/-0.000 χ^2/NDF: 10060630.0/49

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: 0.437+/-0.000 χ^2/NDF:102334366.6/6

Left: 0.460+/-0.000 χ^2/NDF: 260065280.7/14

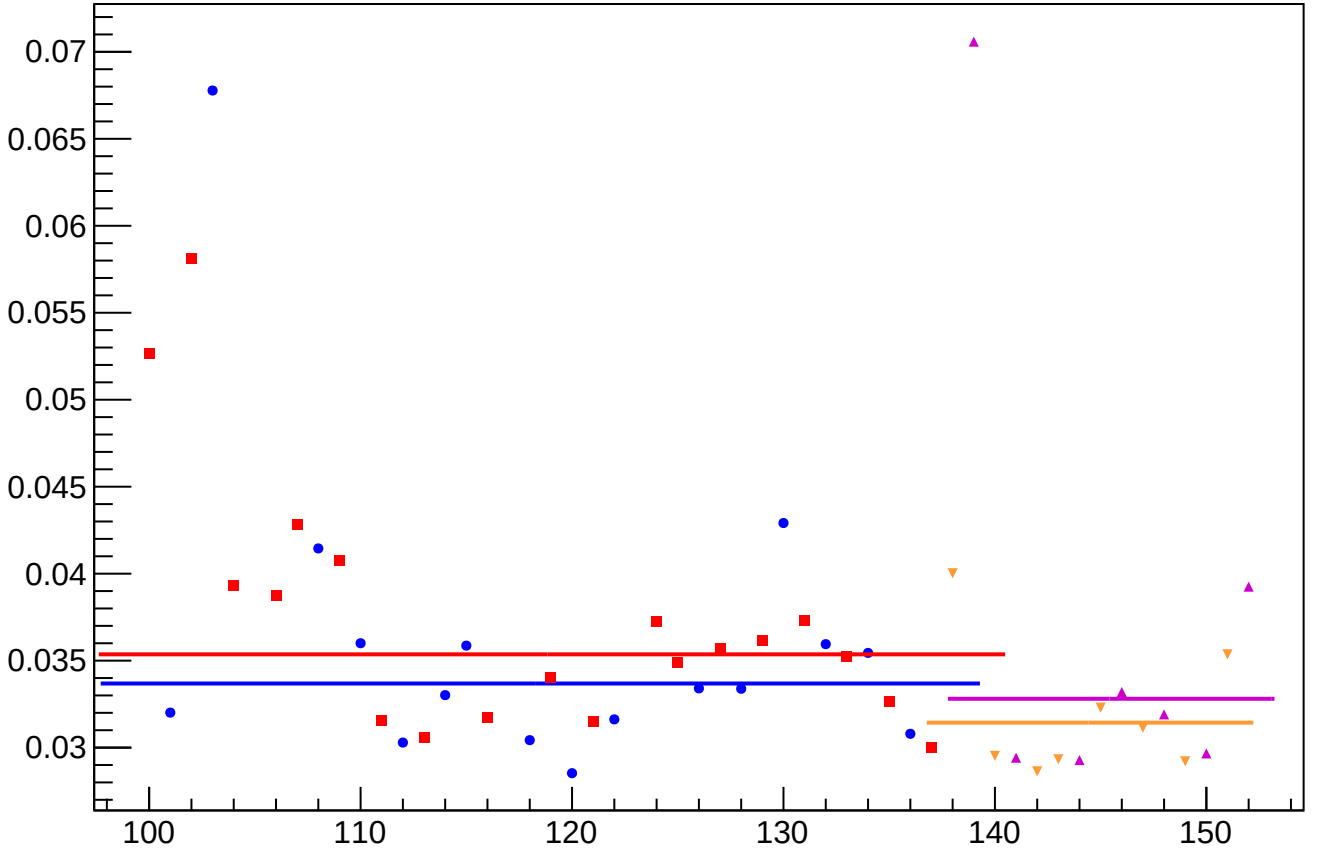
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.190+/-0.000 χ^2/NDF:5750549178.4/22

Out: -0.153+/-0.000 χ^2/NDF:6315001727.7/26

All: -0.172+/-0.000 χ^2/NDF: 12072626525.8/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.031+/-0.000 χ^2/NDF:107558.2/7

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.033+/-0.000 χ^2/NDF:568072.6/6

Left: 0.032+/-0.000 χ^2/NDF: 685126.3/14

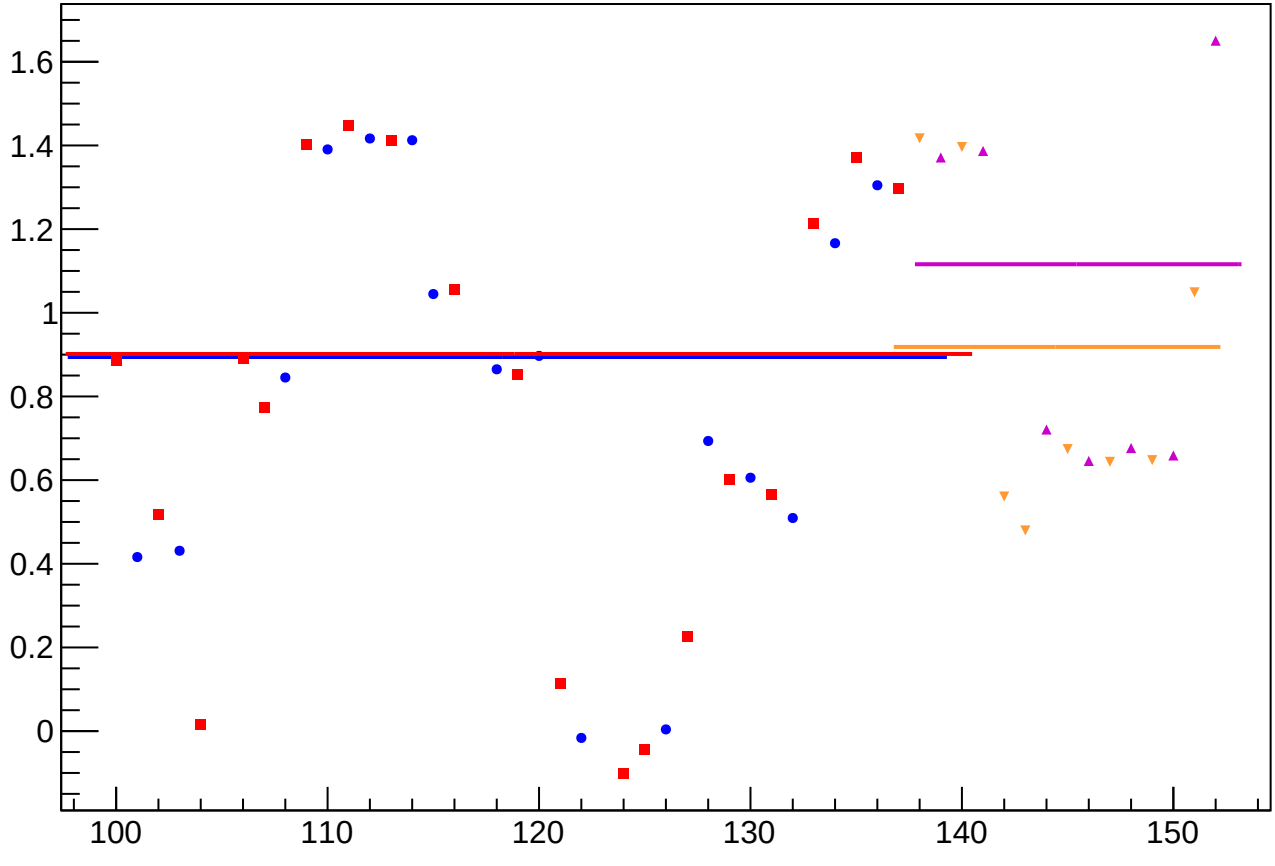
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.033+/-0.000 χ^2/NDF:992286.0/22

Out: 0.033+/-0.000 χ^2/NDF:484402.6/26

All: 0.033+/-0.000 χ^2/NDF: 1476799.8/49

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: 1.116+/-0.000 χ^2/NDF:9543676619.4/6

Left: 1.015+/-0.000 χ^2/NDF: 20907323839.1/14

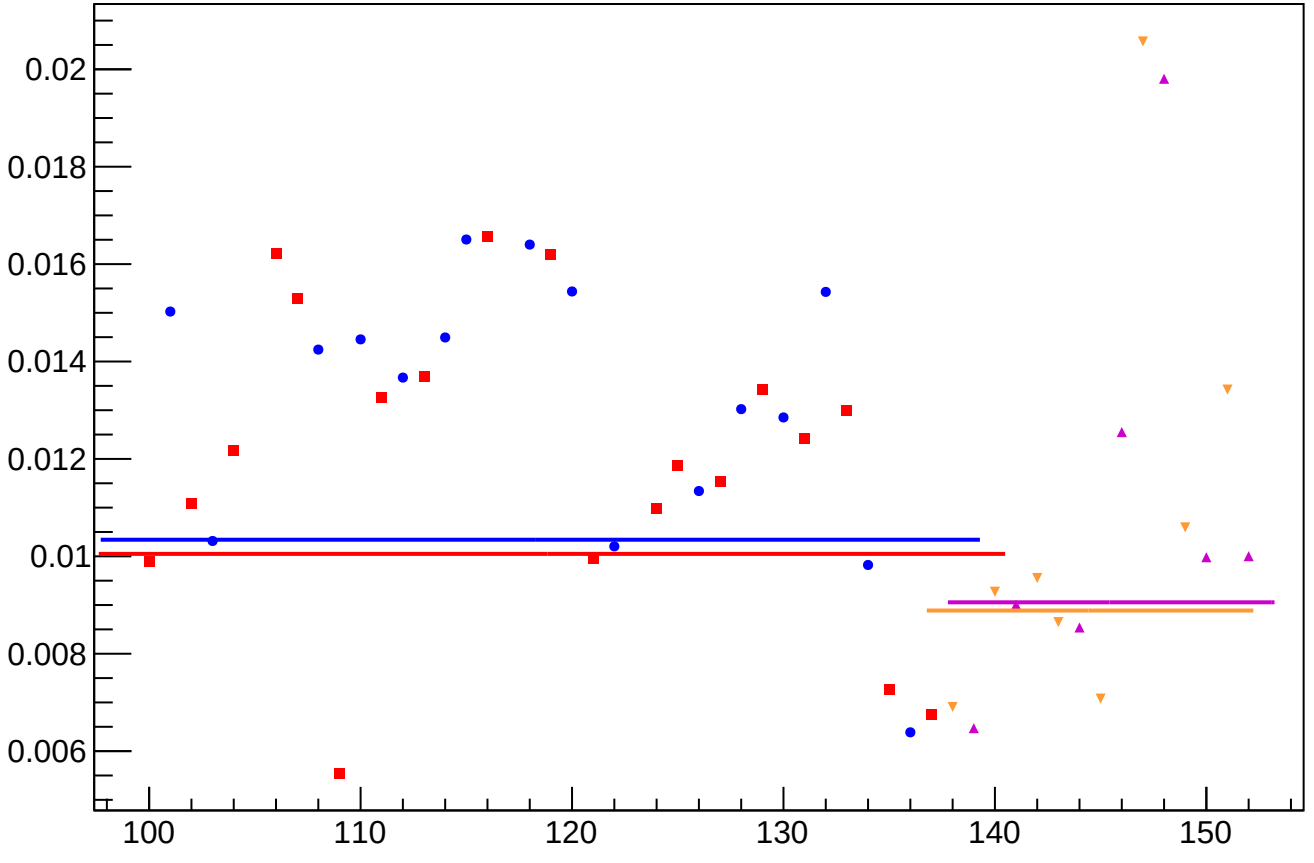
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.014+/-0.000 χ^2/NDF:23768844295.1/22

Out: 0.910+/-0.000 χ^2/NDF:27969118787.0/26

All: 0.961+/-0.000 χ^2/NDF: 52399468383.6/4

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:870410.2/6

Left: 0.009+/-0.000 χ^2/NDF: 1827799.5/14

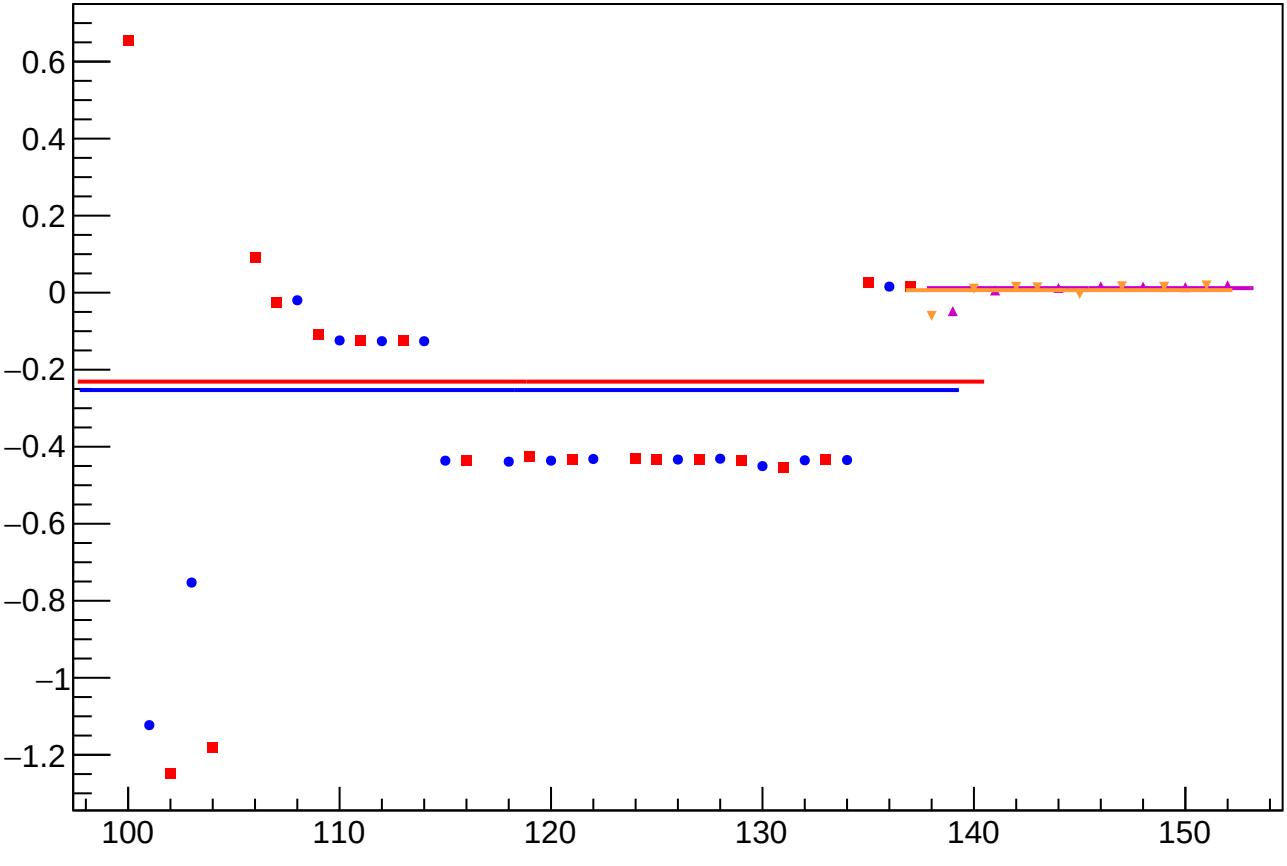
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.010+/-0.000 χ^2/NDF:2319977.7/22

Out: 0.009+/-0.000 χ^2/NDF:2378708.5/26

All: 0.010+/-0.000 χ^2/NDF: 4704433.1/49

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: 0.012+/-0.000 χ^2/NDF:5136810.2/6

Left: 0.009+/-0.000 χ^2/NDF: 25843429.3/14

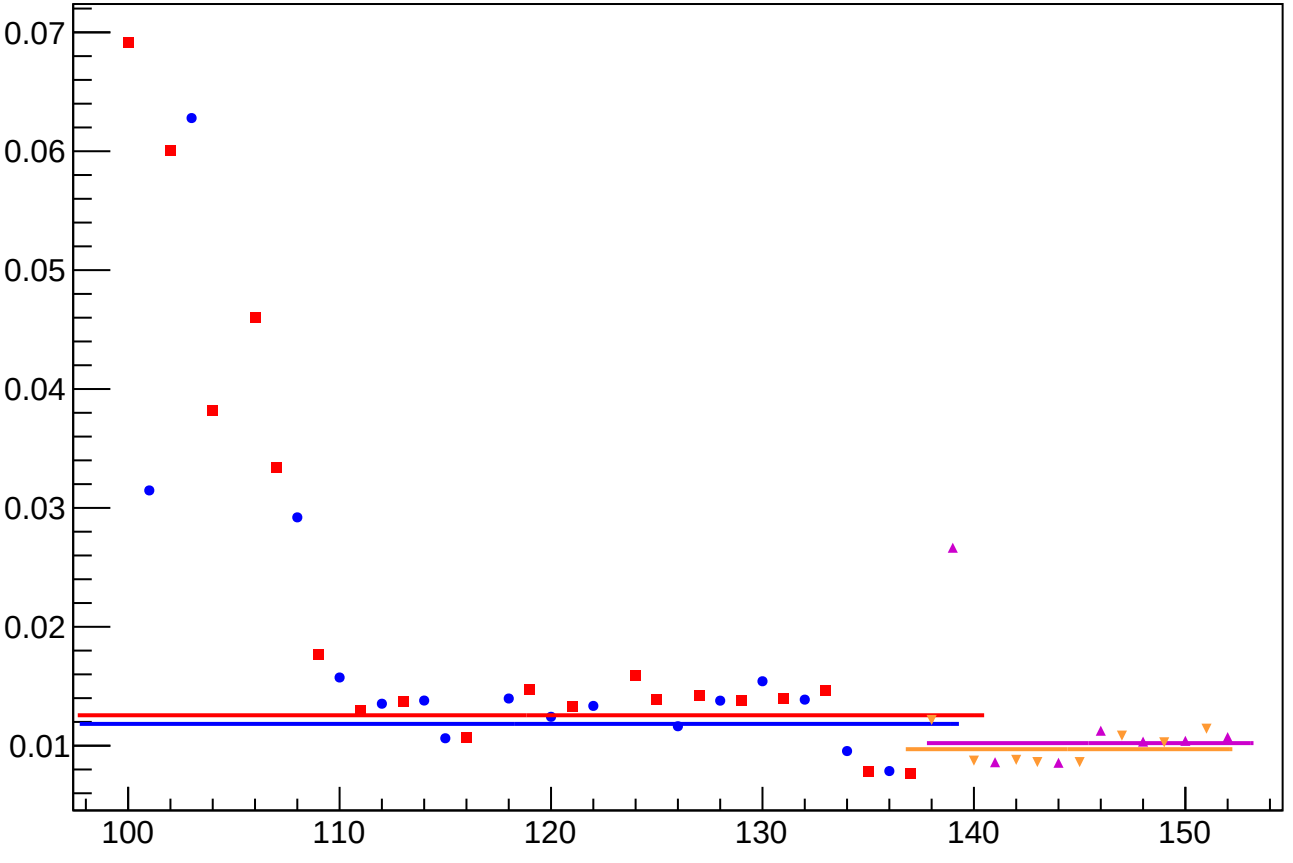
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.104+/-0.000 χ^2/NDF:3430474959.7/22

Out: -0.084+/-0.000 χ^2/NDF:2936437796.6/26

All: -0.094+/-0.000 χ^2/NDF: 6383372361.3/4

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:748720.7/6

Left: 0.010+/-0.000 χ^2/NDF: 920522.1/14

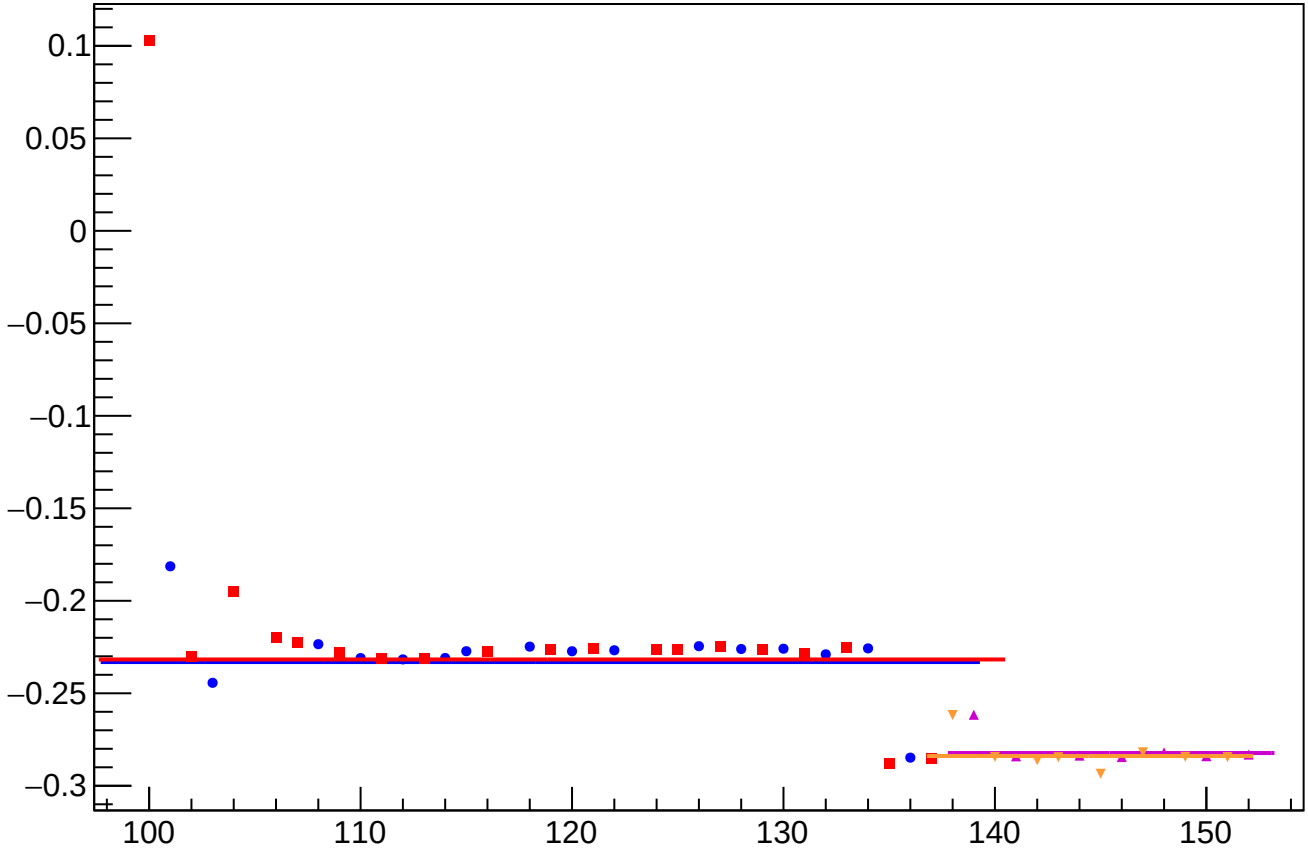
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.011+/-0.000 χ^2/NDF:2795771.4/22

Out: 0.011+/-0.000 χ^2/NDF:2696554.6/26

All: 0.011+/-0.000 χ^2/NDF: 5493724.6/49

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:6136487.7/6

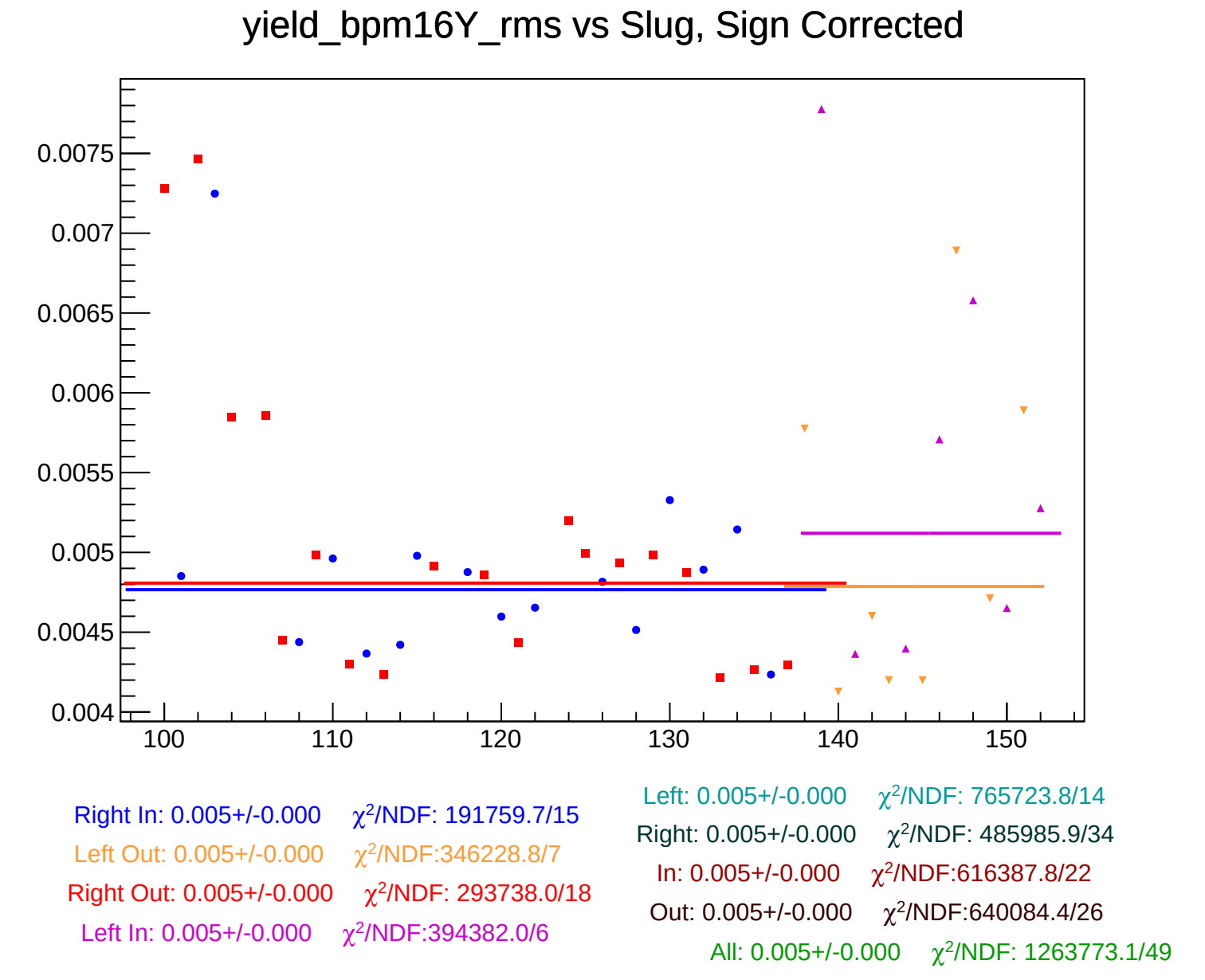
Left: -0.283+/-0.000 χ^2/NDF: 20903256.5/14

Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

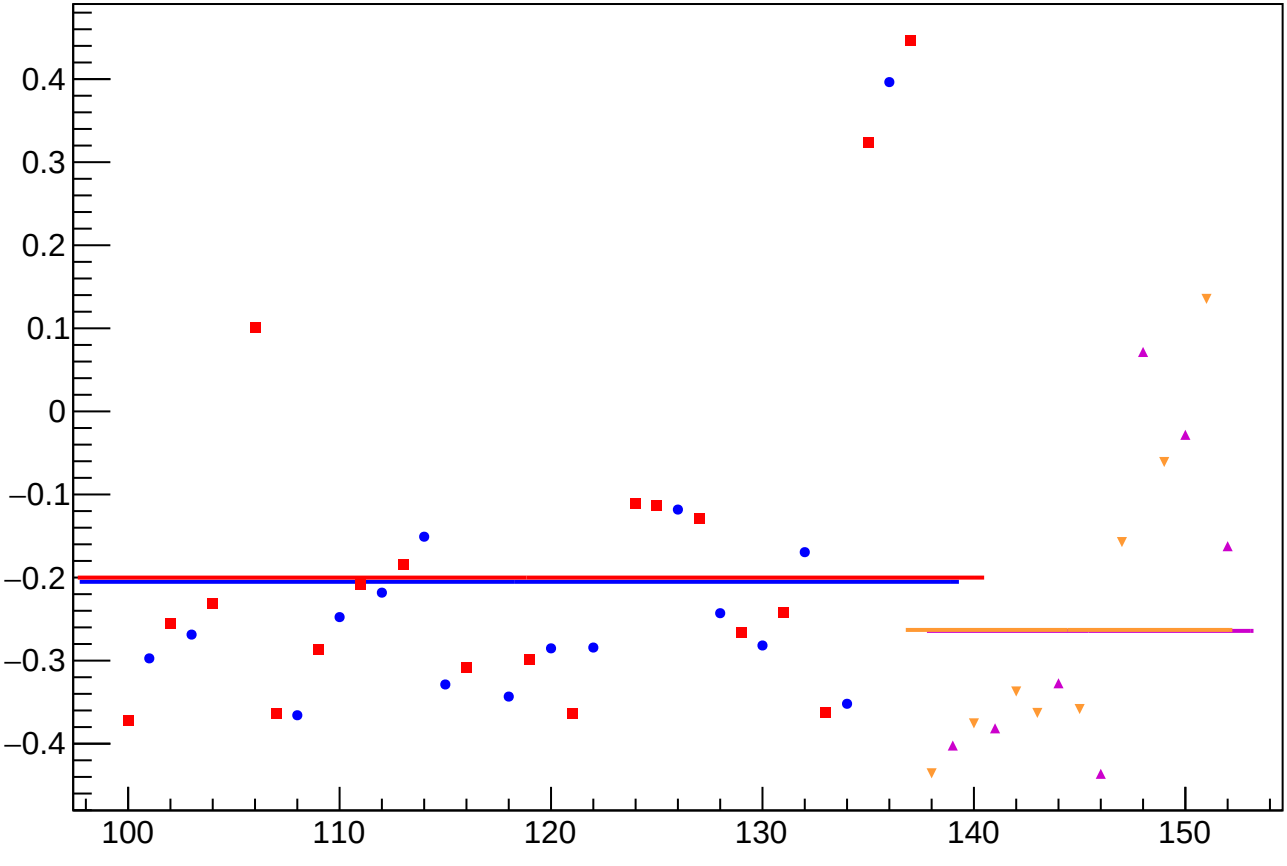
In: -0.254+/-0.000 χ^2/NDF:497853368.0/22

Out: -0.256+/-0.000 χ^2/NDF:661906850.8/26

All: -0.255+/-0.000 χ^2/NDF: 1160268087.6/4


yield_bpm16Y_rms vs Slug, Sign Corrected
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
100
110
120
130
140
150
Right In: 0.005+/-0.000 χ²/NDF: 191759.7/15
Left Out: 0.005+/-0.000 χ²/NDF:346228.8/7
Right Out: 0.005+/-0.000 χ²/NDF: 293738.0/18
Left In: 0.005+/-0.000 χ²/NDF:394382.0/6
Left: 0.005+/-0.000 χ²/NDF: 765723.8/14
Right: 0.005+/-0.000 χ²/NDF: 485985.9/34
In: 0.005+/-0.000 χ²/NDF:616387.8/22
Out: 0.005+/-0.000 χ²/NDF:640084.4/26
All: 0.005+/-0.000 χ²/NDF: 1263773.1/49

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: -0.264+/-0.000 χ^2/NDF:4951472705.1/6

Left: -0.264+/-0.000 χ^2/NDF: 11516702393.9/14

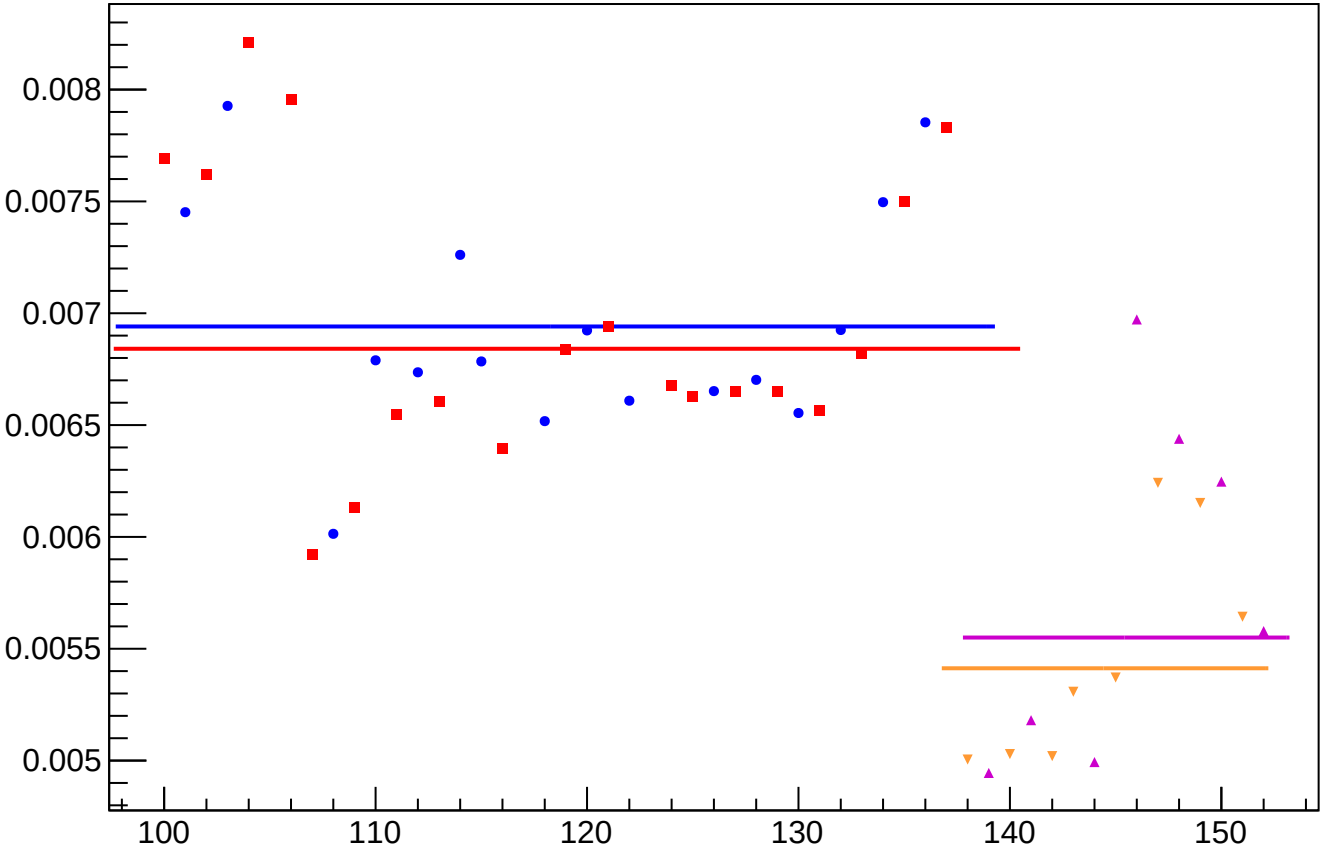
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.238+/-0.000 χ^2/NDF:11420109490.8/22

Out: -0.235+/-0.000 χ^2/NDF:12154578304.4/26

All: -0.236+/-0.000 χ^2/NDF: 23575722774.1/

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:160953.5/6

Left: 0.005+/-0.000 χ^2/NDF: 238898.0/14

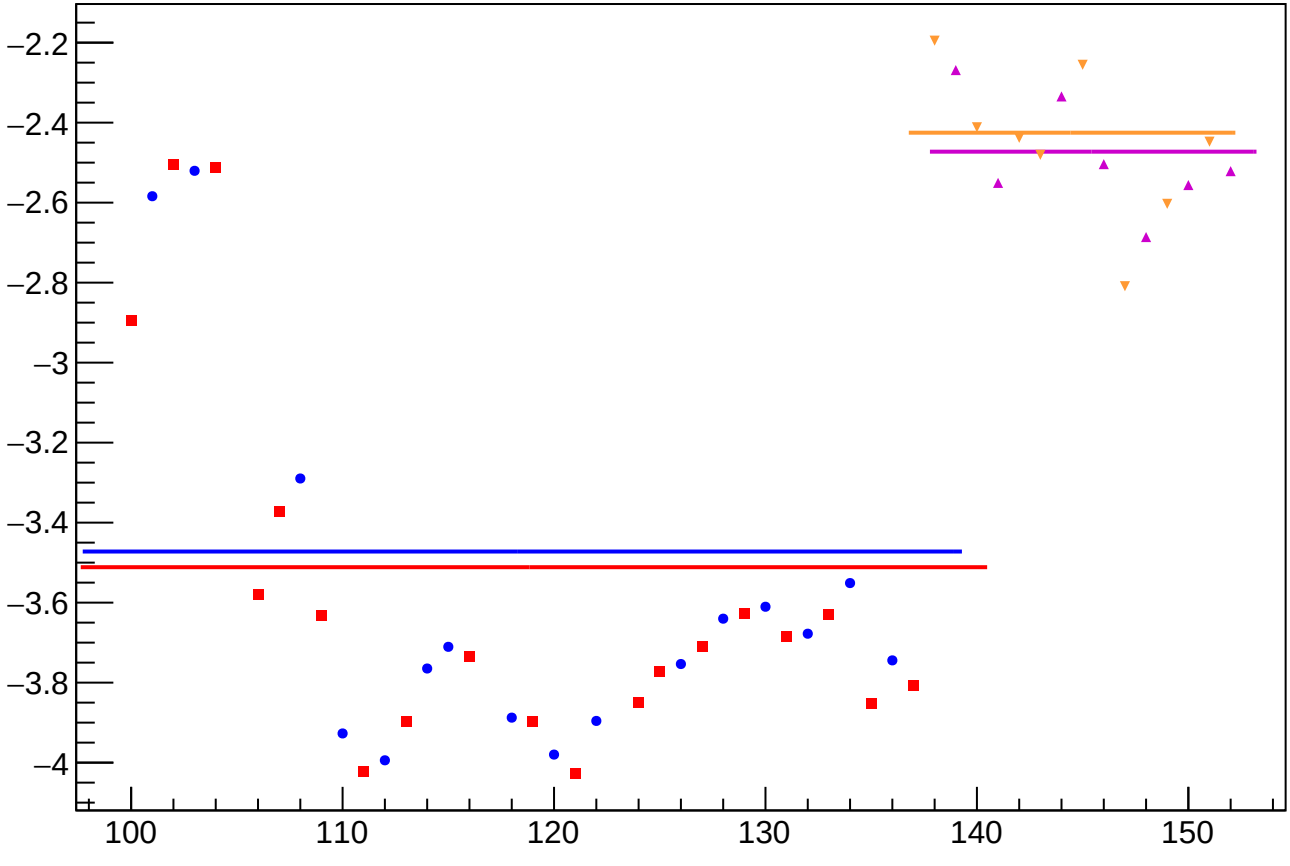
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:555681.8/22

Out: 0.006+/-0.000 χ^2/NDF:523395.0/26

All: 0.006+/-0.000 χ^2/NDF: 1084740.0/49

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: -2.473+/-0.000 χ^2/NDF:821096362.2/6

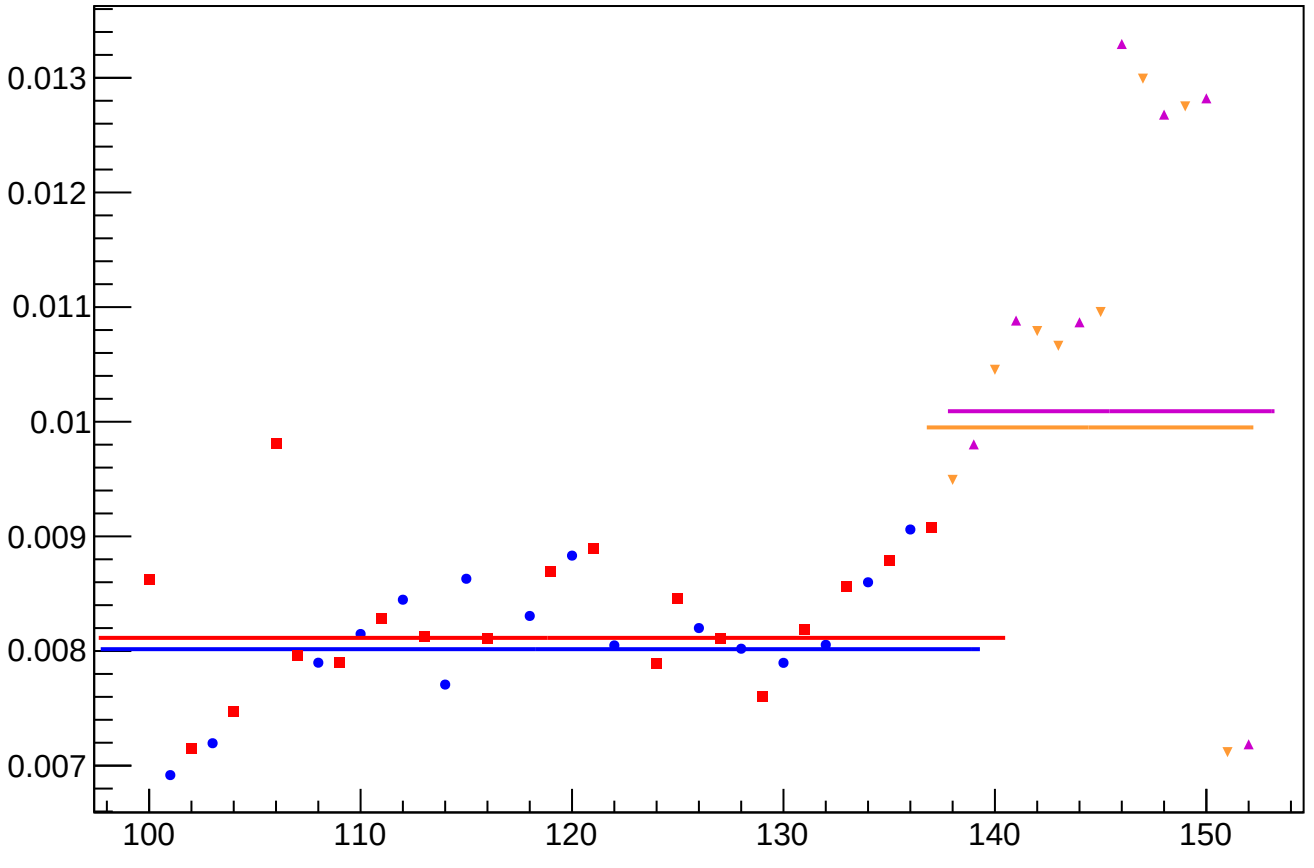
Left: -2.448+/-0.000 χ^2/NDF: 2245434705.0/14

Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -3.148+/-0.000 χ^2/NDF:65608875950.4/22

Out: -3.147+/-0.000 χ^2/NDF:73810240590.0/26

All: -3.148+/-0.000 χ^2/NDF: 139419213592.3



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.010+/-0.000 χ^2/NDF:389693.3/7

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.010+/-0.000 χ^2/NDF:493078.4/6

Left: 0.010+/-0.000 χ^2/NDF: 883834.9/14

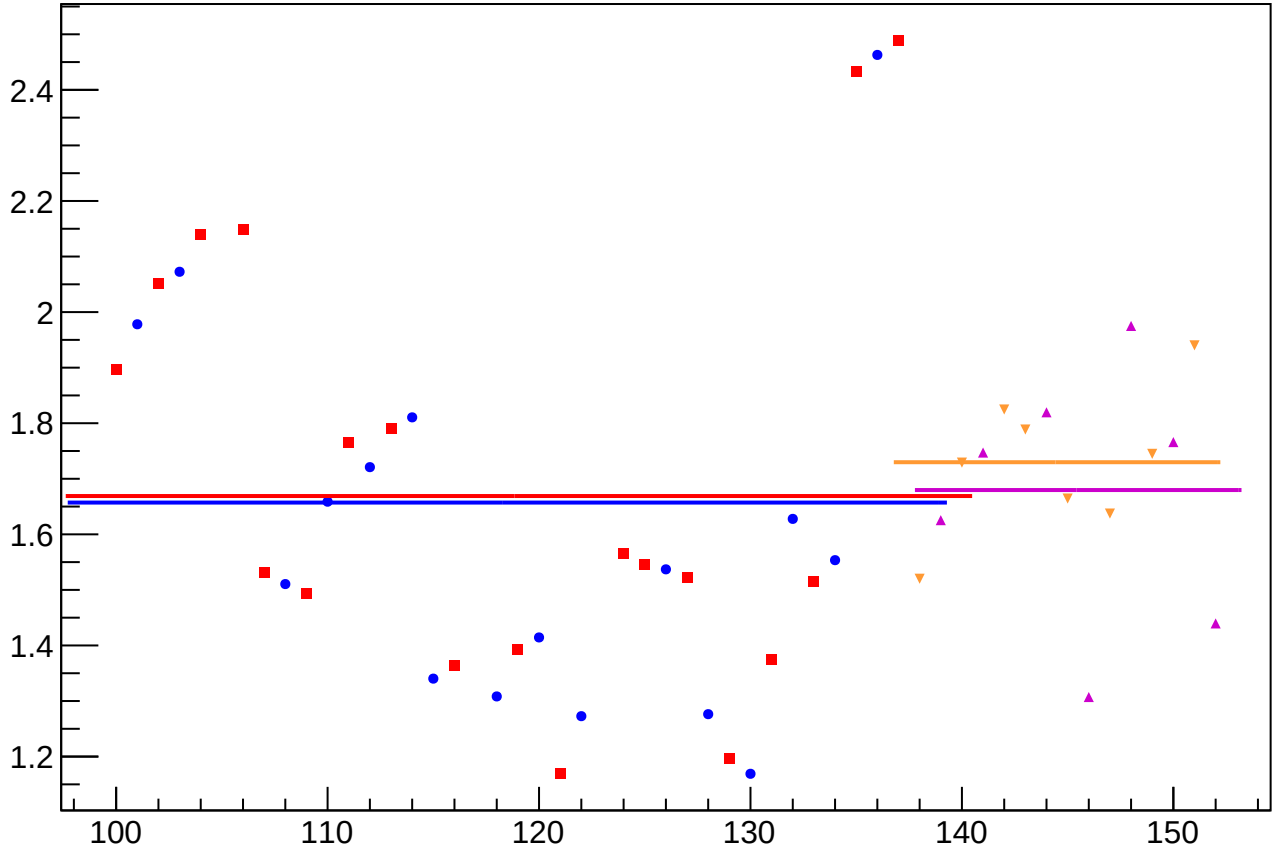
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.009+/-0.000 χ^2/NDF:882814.2/22

Out: 0.009+/-0.000 χ^2/NDF:704851.0/26

All: 0.009+/-0.000 χ^2/NDF: 1587944.1/49

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: 1.680+/-0.000 χ^2/NDF:1481224113.4/6

Left: 1.706+/-0.000 χ^2/NDF: 2227068235.0/14

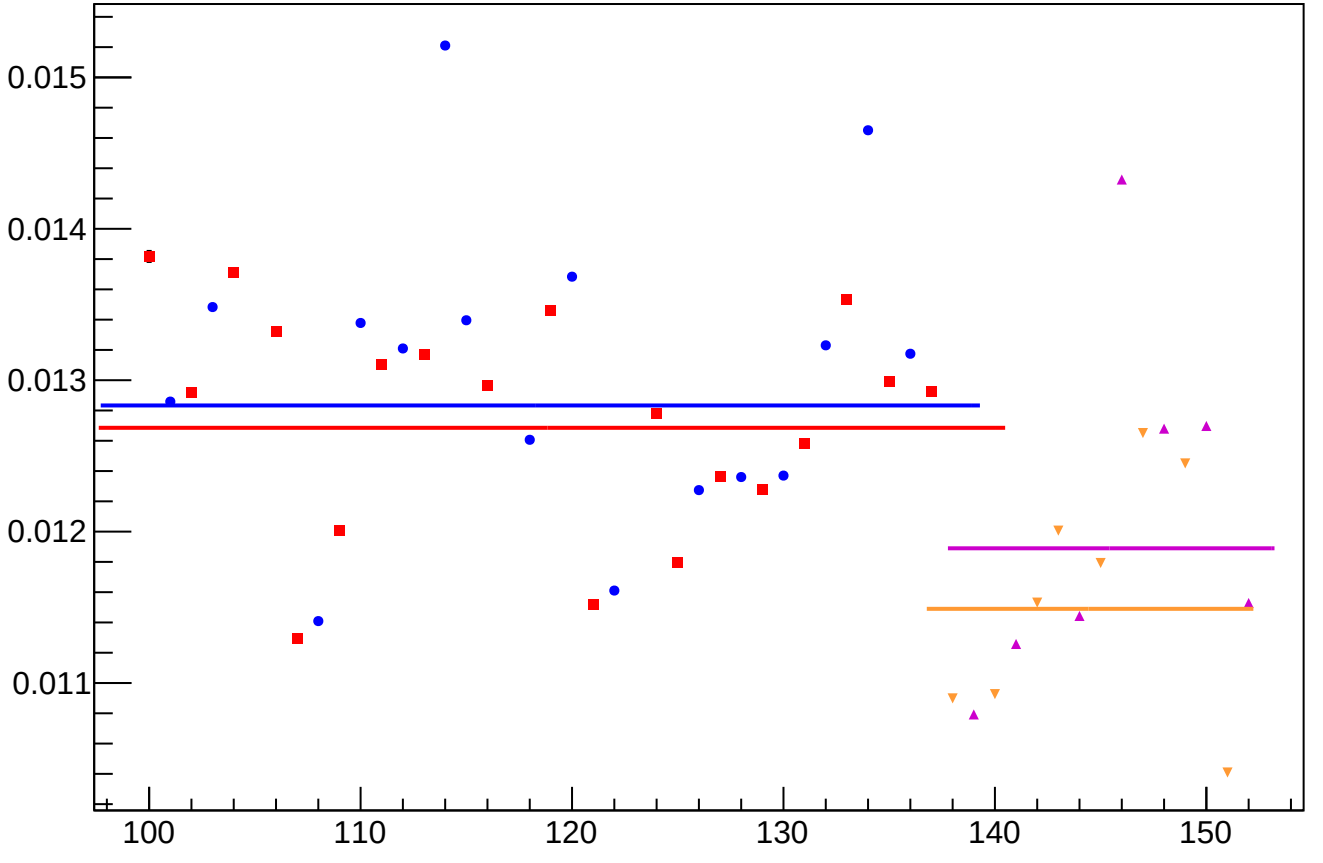
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.668+/-0.000 χ^2/NDF:8157849049.1/22

Out: 1.699+/-0.000 χ^2/NDF:7133232561.2/26

All: 1.684+/-0.000 χ^2/NDF: 15332136685.0/4

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:84447.0/6

Left: 0.012+/-0.000 χ^2/NDF: 141953.4/14

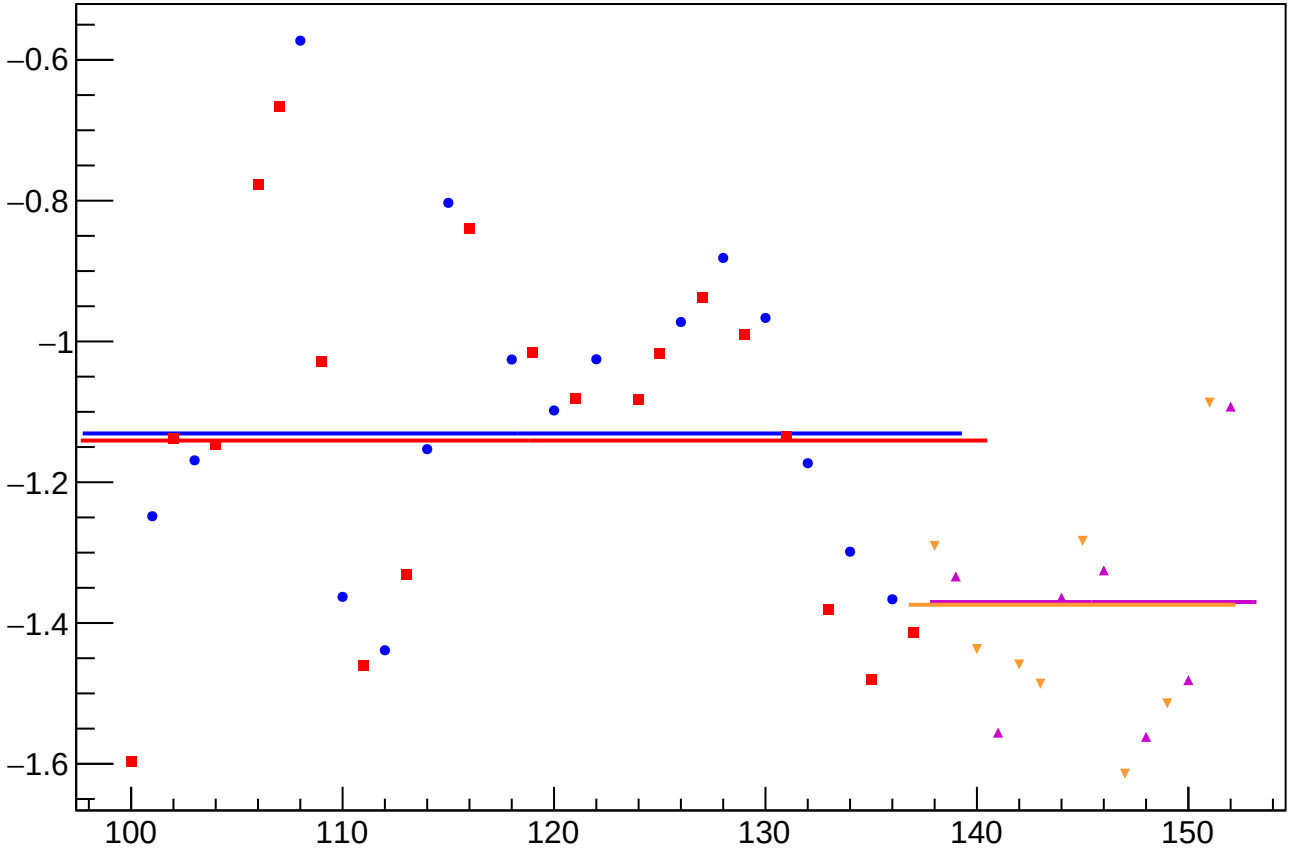
Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:173631.6/22

Out: 0.012+/-0.000 χ^2/NDF:157550.0/26

All: 0.012+/-0.000 χ^2/NDF: 338048.0/49

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.374+/-0.000 χ^2/NDF:1682864345.4/7

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.370+/-0.000 χ^2/NDF:1691307567.1/6

Left: -1.372+/-0.000 χ^2/NDF: 3374675125.9/14

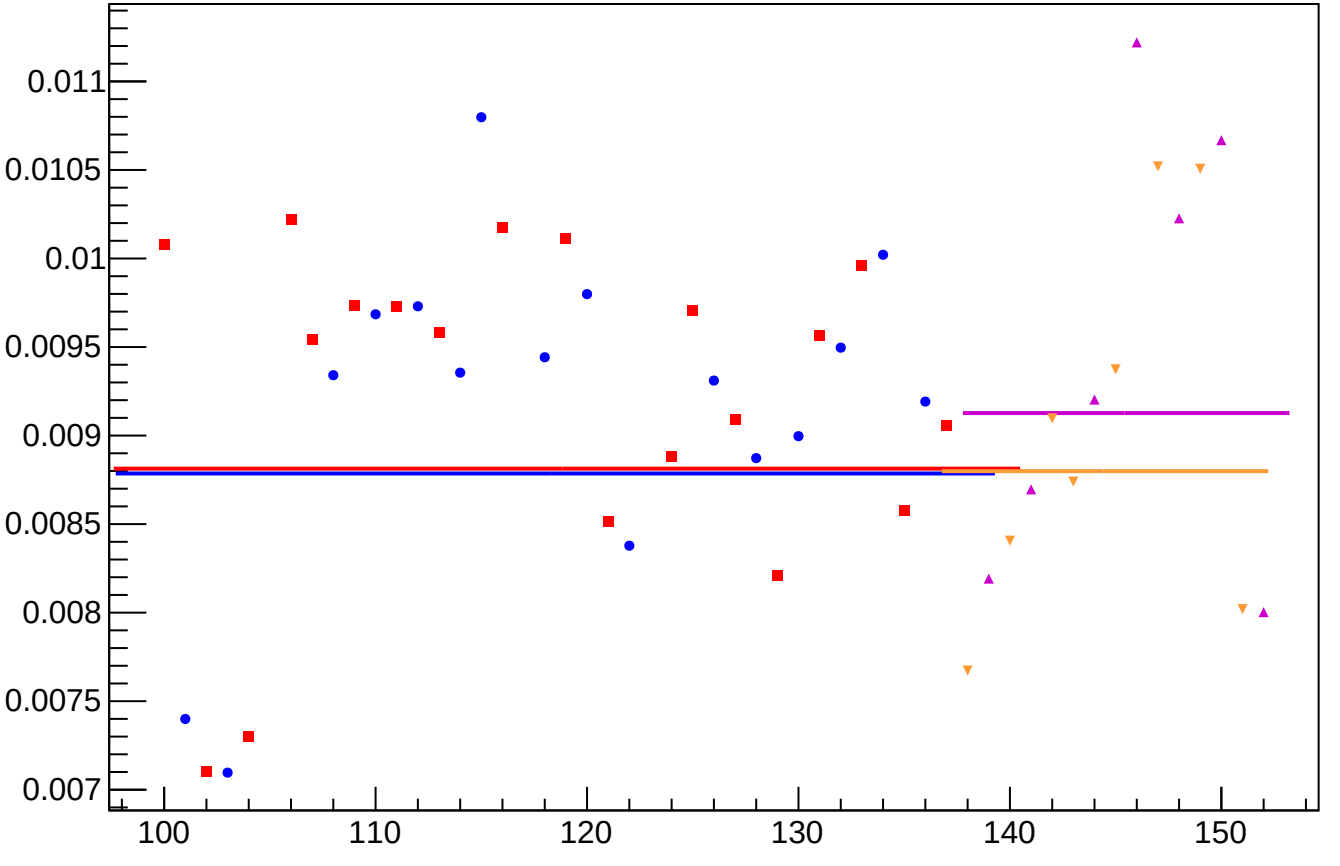
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.232+/-0.000 χ^2/NDF:7633435288.6/22

Out: -1.244+/-0.000 χ^2/NDF:7370747784.4/26

All: -1.238+/-0.000 χ^2/NDF: 15014759382.1/

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:153568.7/6

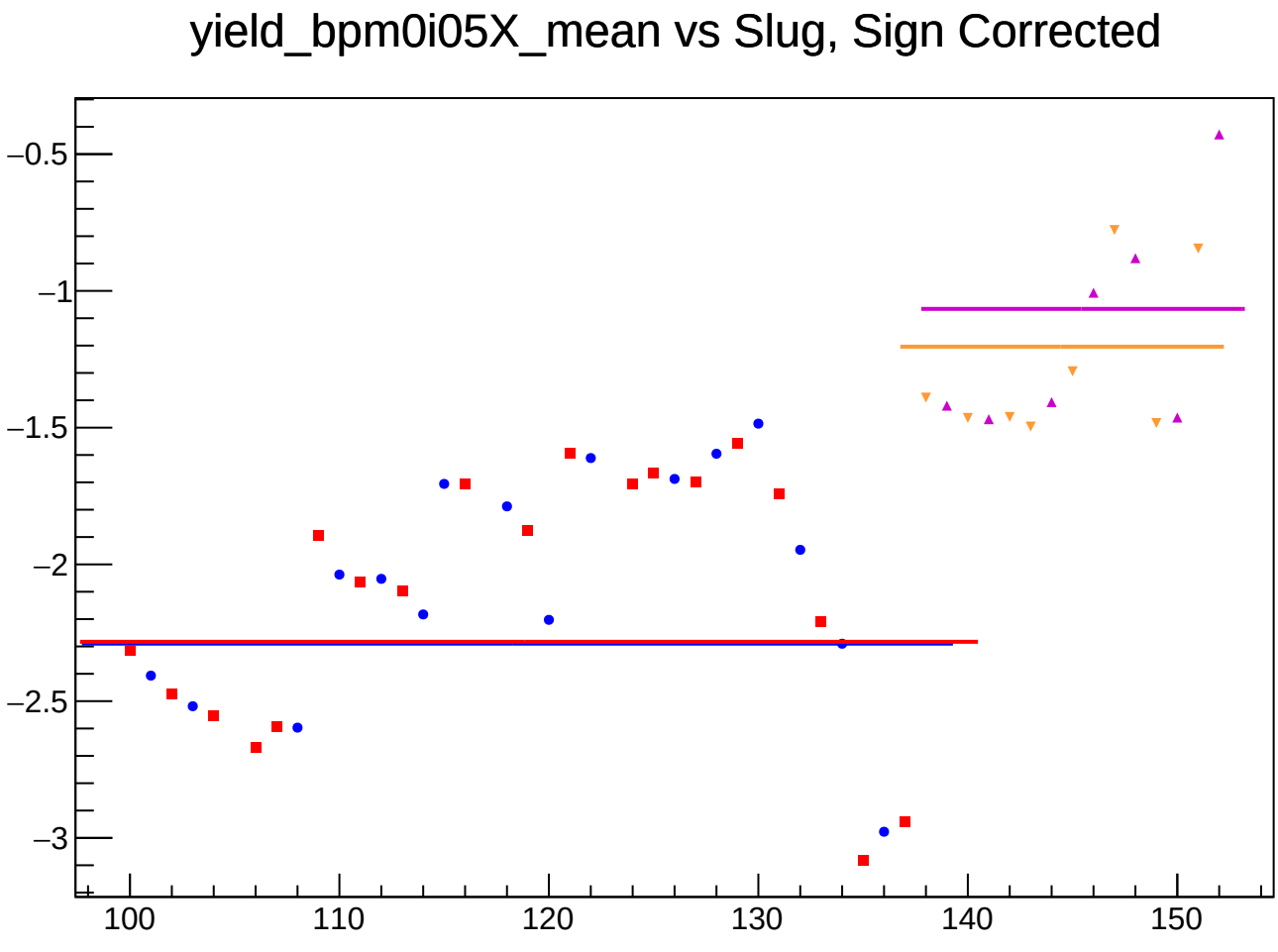
Left: 0.009+/-0.000 χ^2/NDF: 288816.0/14

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:335785.0/22

Out: 0.009+/-0.000 χ^2/NDF:332427.6/26

All: 0.009+/-0.000 χ^2/NDF: 670594.8/49



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: -1.066+/-0.000 χ^2/NDF:14447371483.1/6

Left: -1.135+/-0.000 χ^2/NDF: 23055510769.1/14

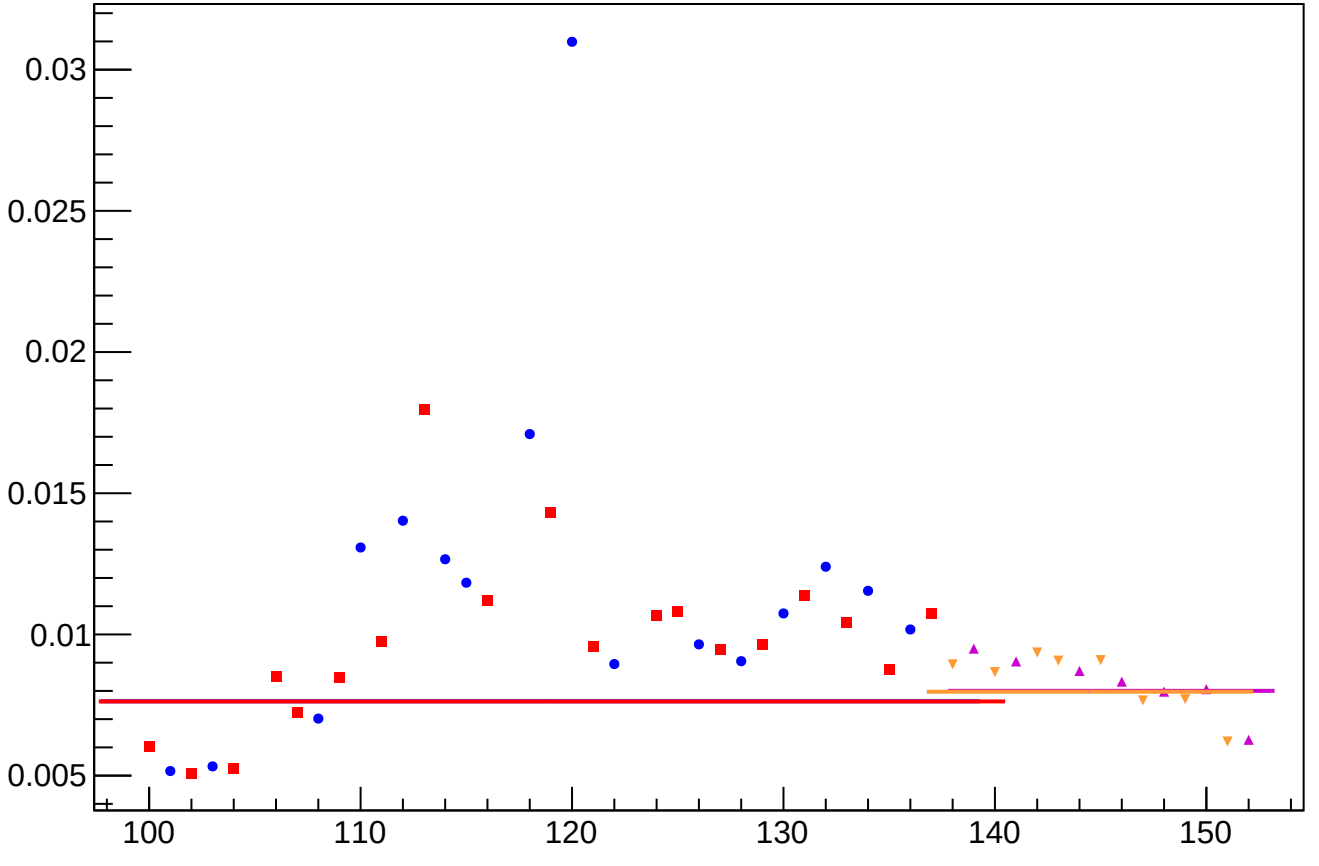
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.687+/-0.000 χ^2/NDF:94081661421.3/22

Out: -1.777+/-0.000 χ^2/NDF:76865043617.5/26

All: -1.733+/-0.000 χ^2/NDF: 171663229514.9

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: 0.008+/-0.000 χ^2/NDF:191521.3/6

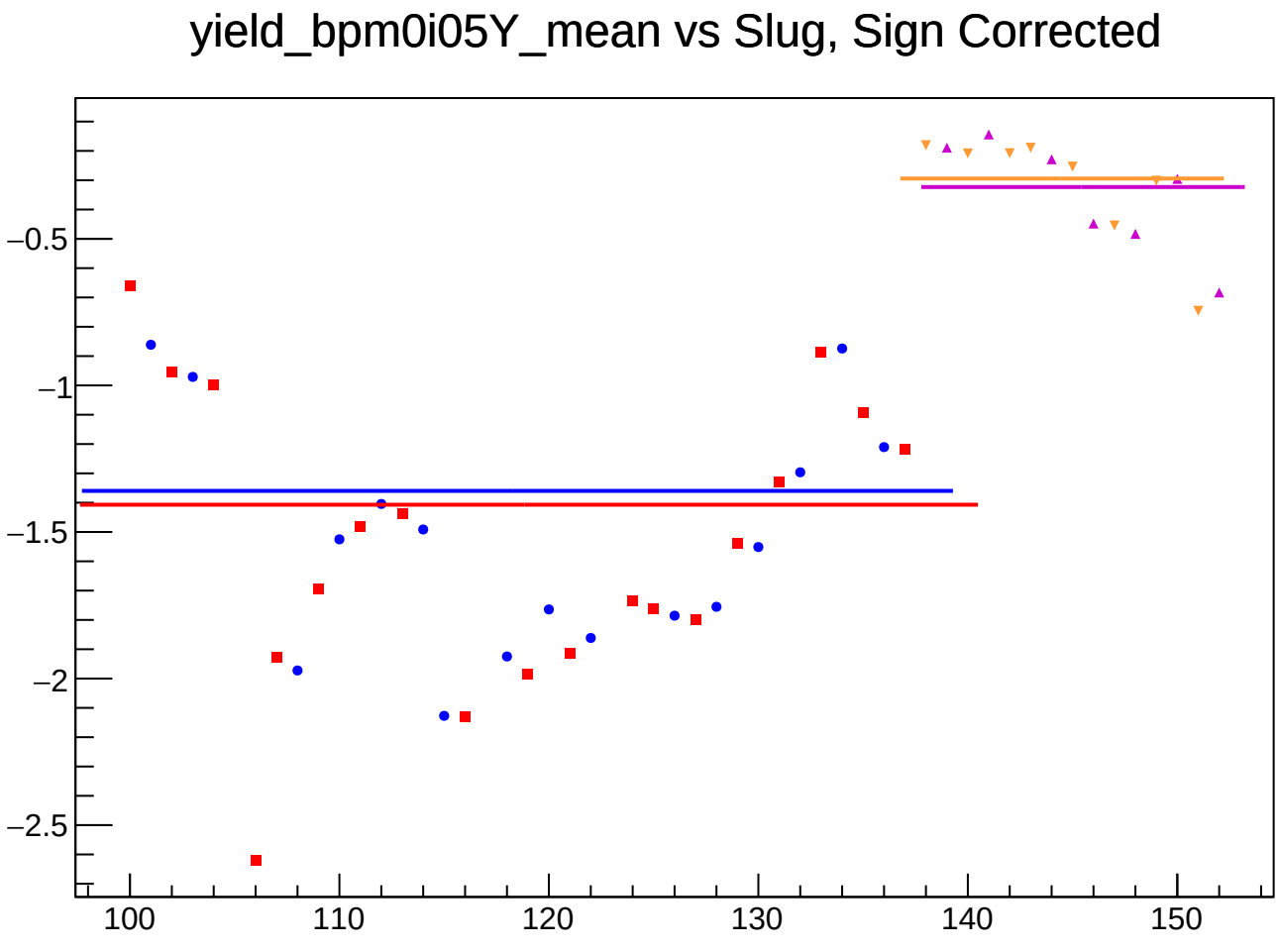
Left: 0.008+/-0.000 χ^2/NDF: 397291.2/14

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.008+/-0.000 χ^2/NDF:1914042.9/22

Out: 0.008+/-0.000 χ^2/NDF:1534031.8/26

All: 0.008+/-0.000 χ^2/NDF: 3448190.8/49



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: -0.323+/-0.000 χ^2/NDF:7621535821.4/6

Left: -0.308+/-0.000 χ^2/NDF: 14949182931.9/14

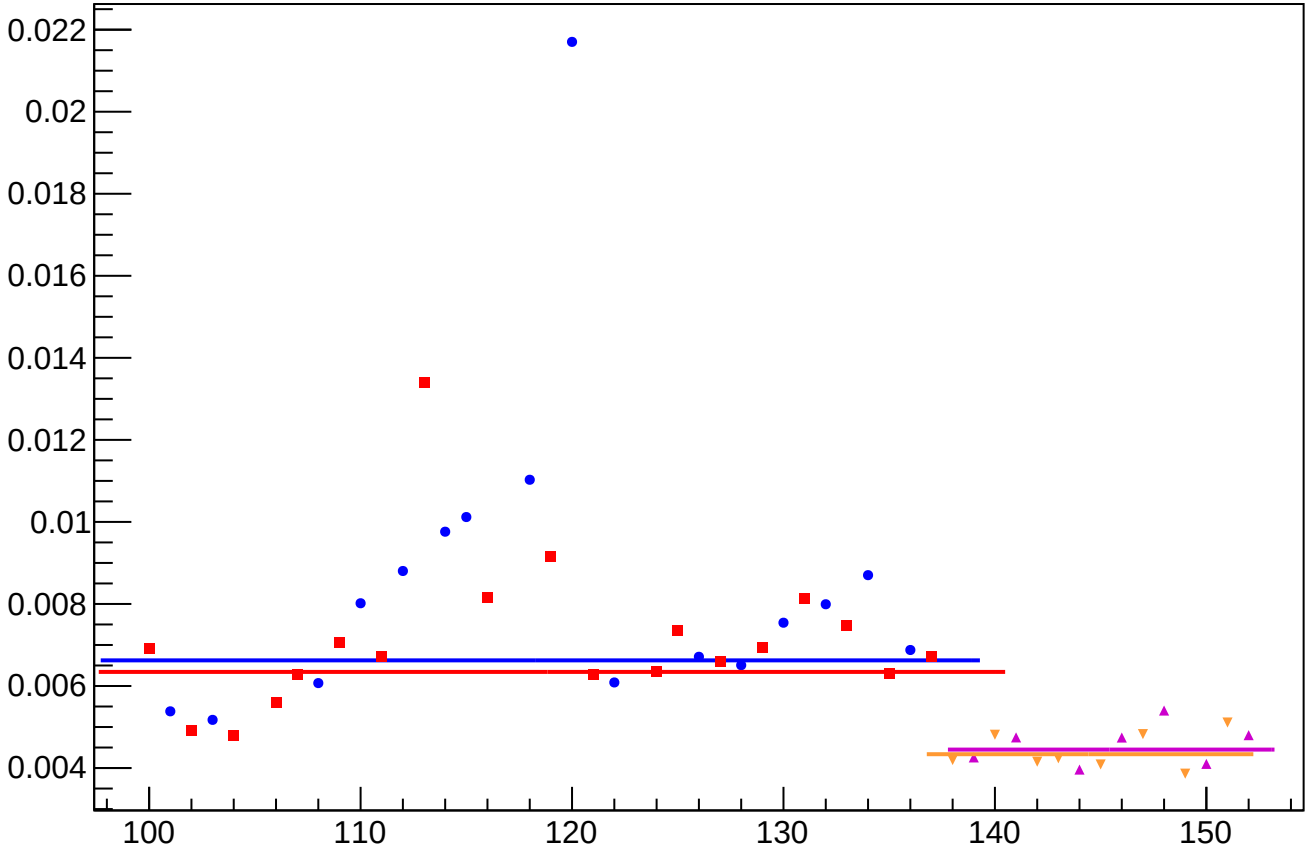
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.668+/-0.000 χ^2/NDF:123732970310.7/22

Out: -0.683+/-0.000 χ^2/NDF:159488318826.2/26

All: -0.676+/-0.000 χ^2/NDF: 283271813292.5

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:97308.1/6

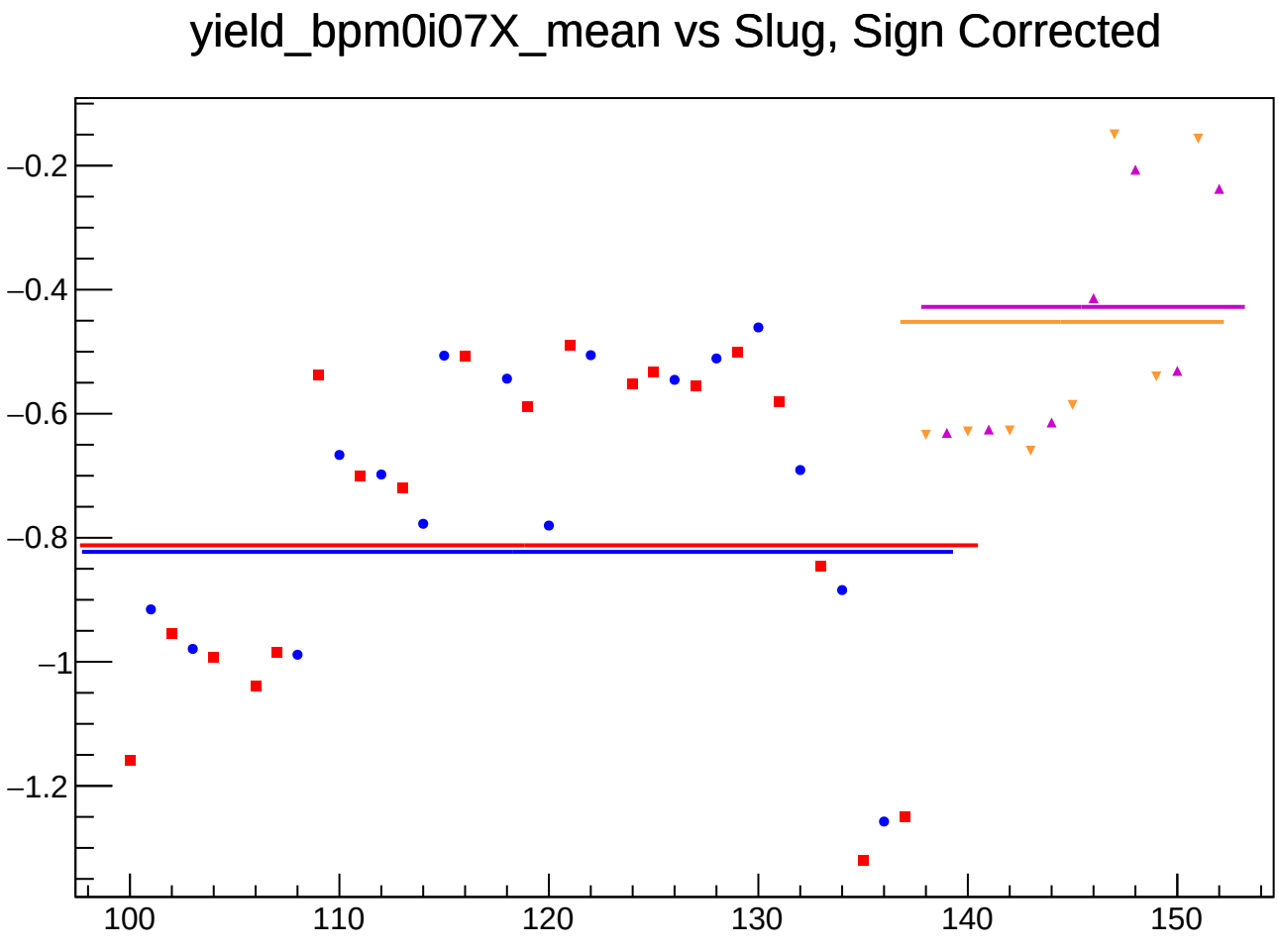
Left: 0.004+/-0.000 χ^2/NDF: 189165.7/14

Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1624426.3/22

Out: 0.005+/-0.000 χ^2/NDF:1413742.1/26

All: 0.005+/-0.000 χ^2/NDF: 3045614.6/49



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.452+/-0.000 χ^2/NDF:7966998898.6/7

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.428+/-0.000 χ^2/NDF:5349220690.8/6

Left: -0.440+/-0.000 χ^2/NDF: 13366275445.0/14

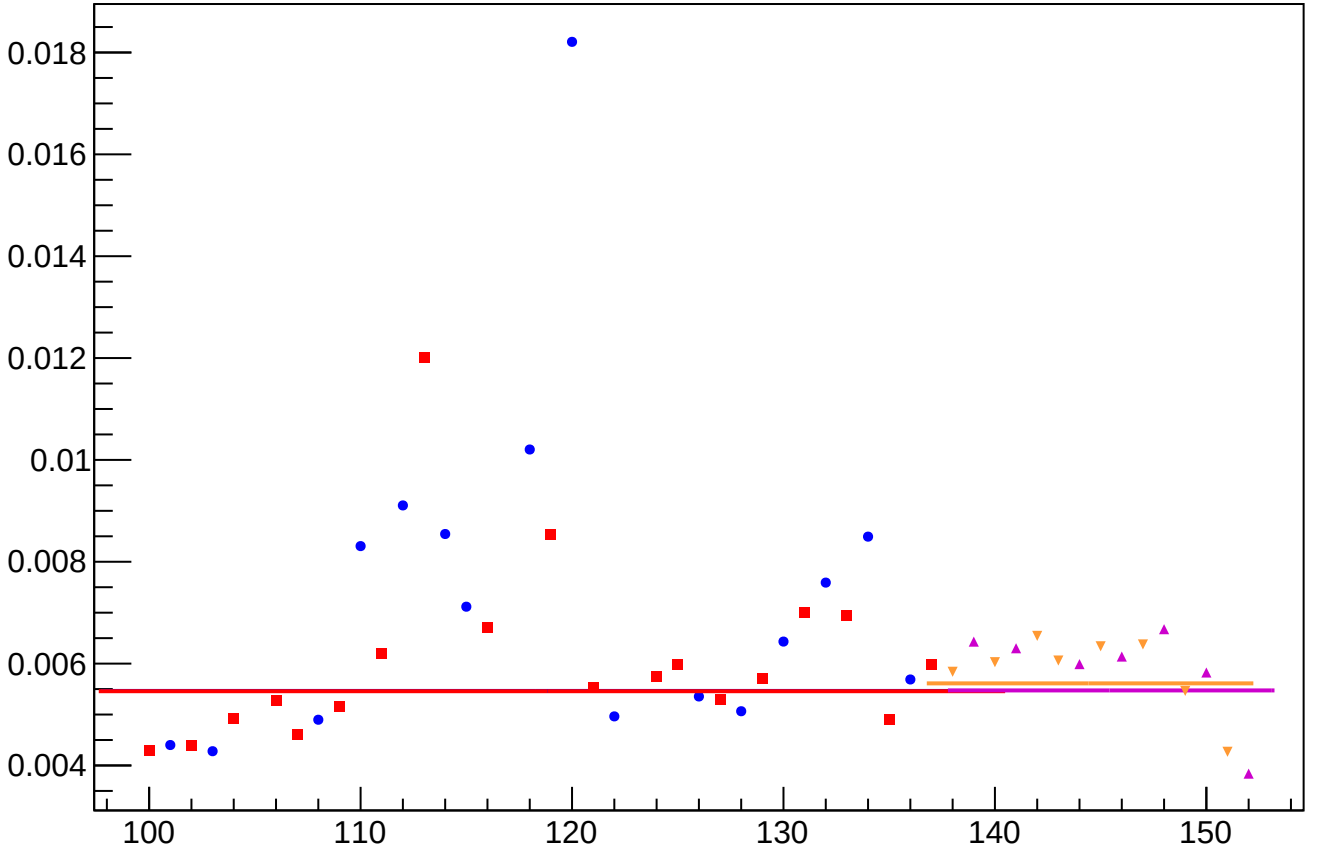
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.630+/-0.000 χ^2/NDF:31632765253.7/22

Out: -0.649+/-0.000 χ^2/NDF:34672251709.8/26

All: -0.639+/-0.000 χ^2/NDF: 66368483229.1/

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: 0.005+/-0.000 χ^2/NDF:433122.5/6

Left: 0.006+/-0.000 χ^2/NDF: 652253.4/14

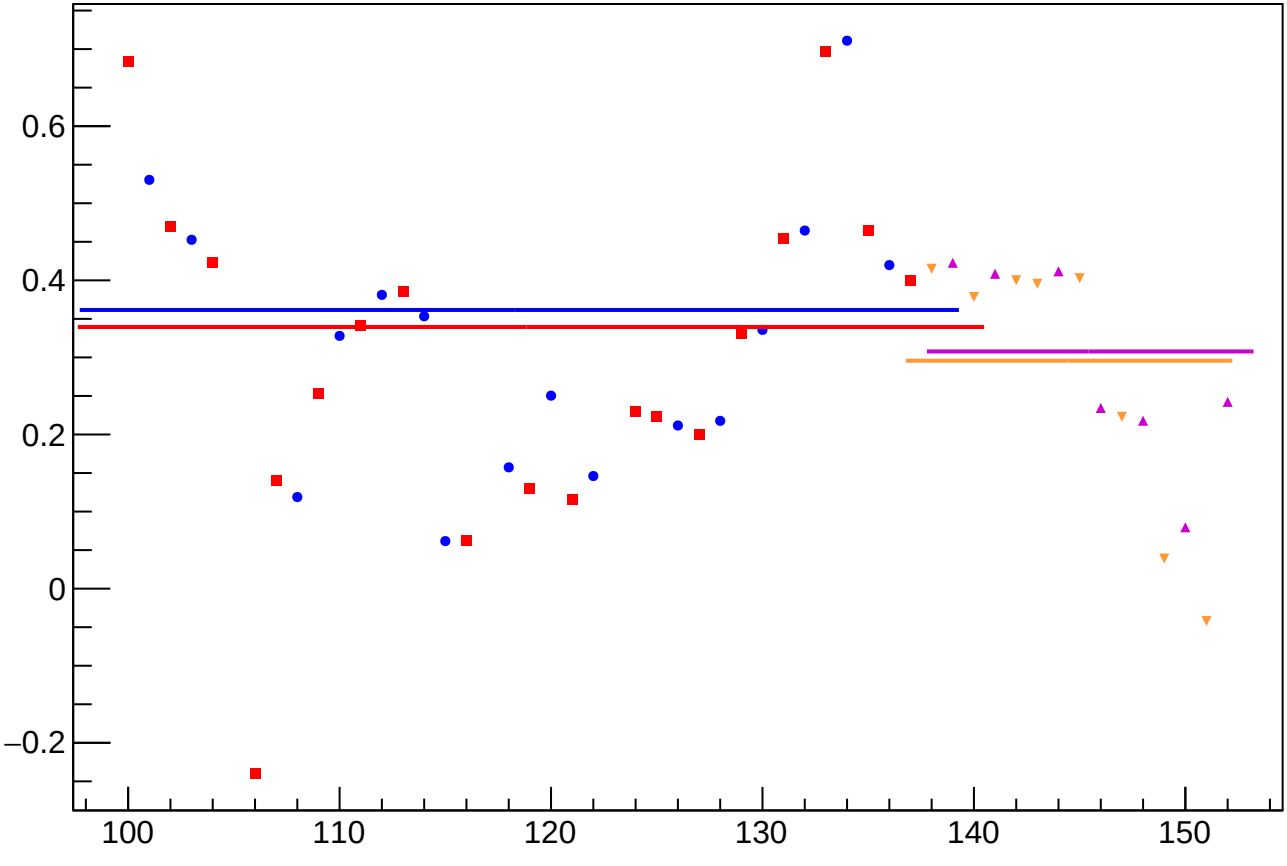
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:1394625.1/22

Out: 0.006+/-0.000 χ^2/NDF:727954.9/26

All: 0.005+/-0.000 χ^2/NDF: 2123883.3/49

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: 0.308+/-0.000 χ^2/NDF:2993419916.6/6

Left: 0.302+/-0.000 χ^2/NDF: 10687160808.7/14

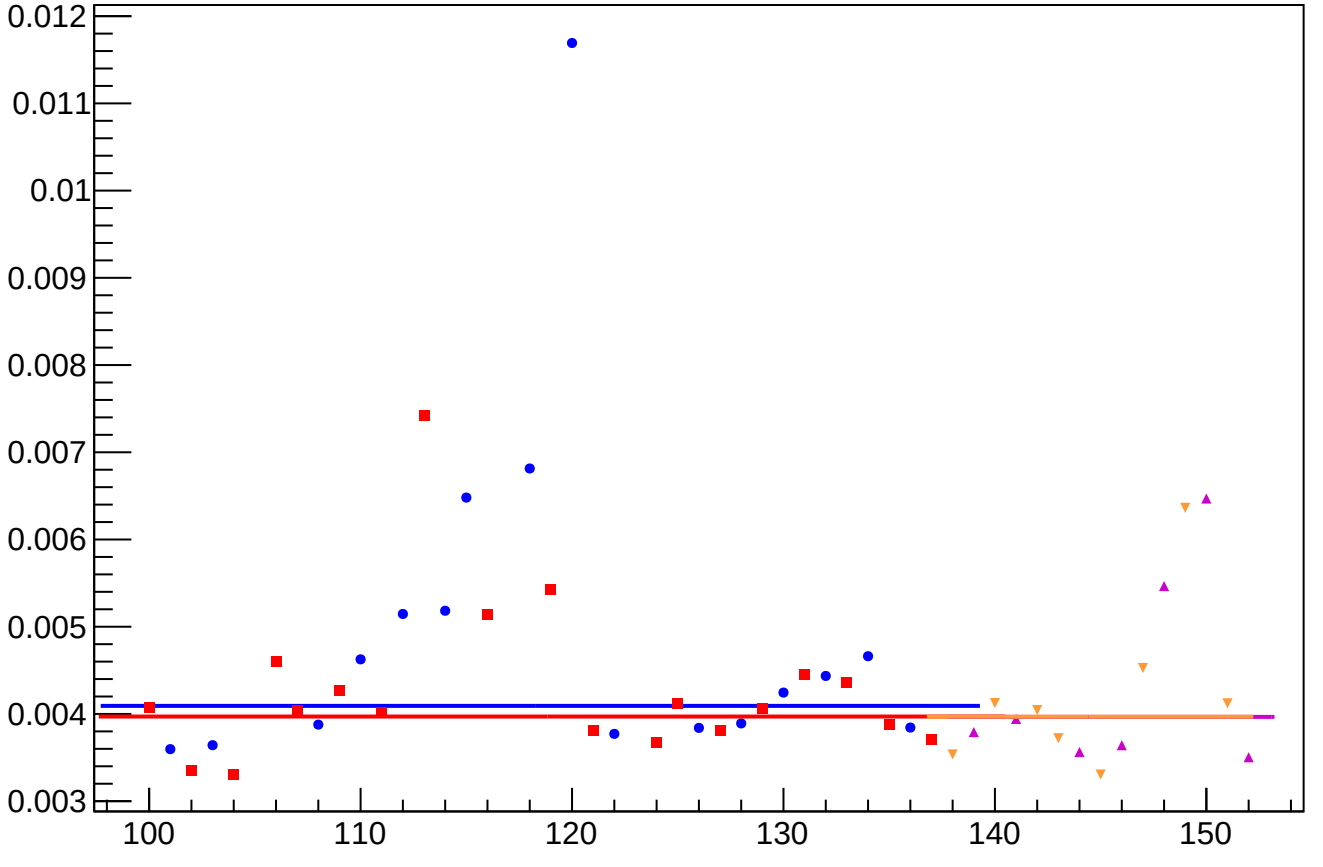
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.339+/-0.000 χ^2/NDF:12221768987.3/22

Out: 0.322+/-0.000 χ^2/NDF:20055076301.6/26

All: 0.330+/-0.000 χ^2/NDF: 32365973505.1/4

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:357168.4/6

Left: 0.004+/-0.000 χ^2/NDF: 630796.8/14

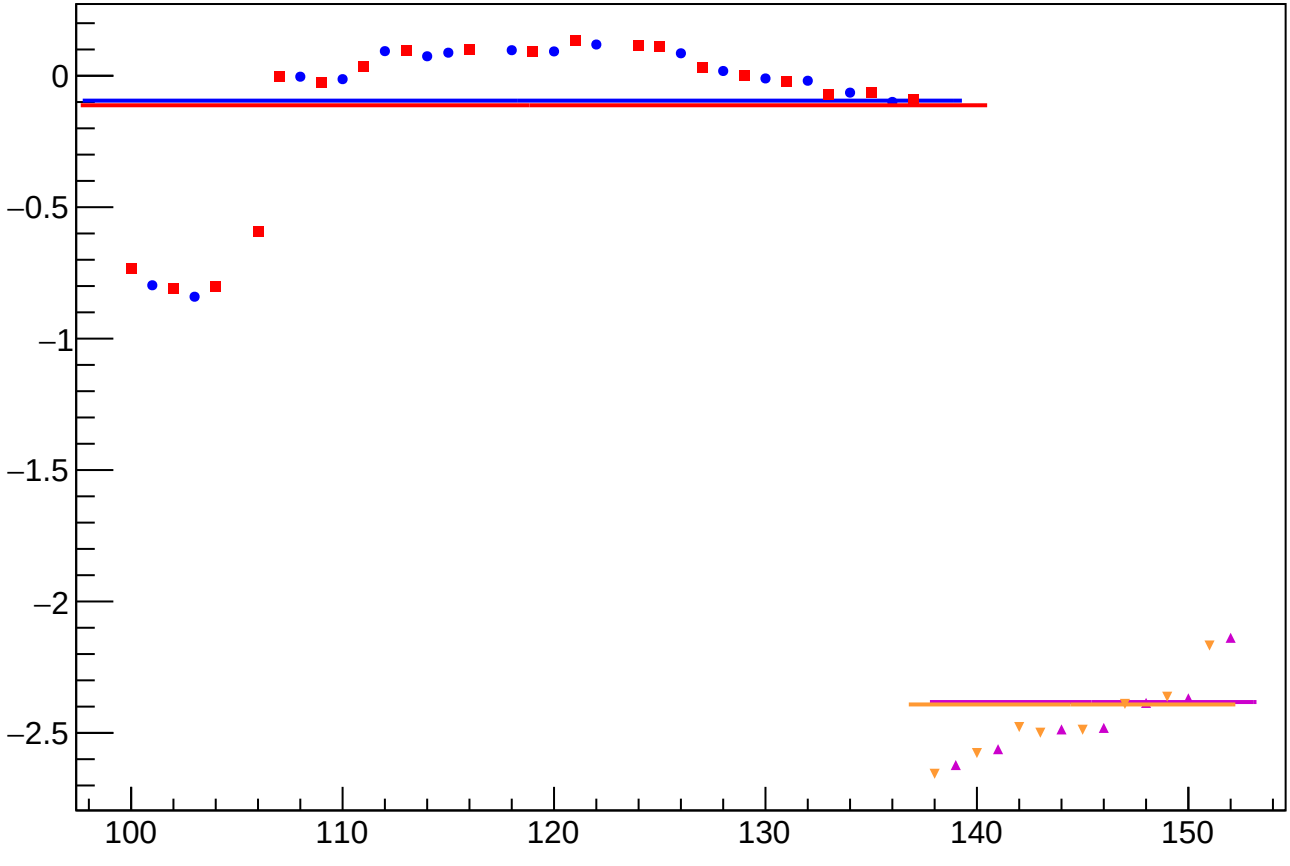
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:853890.1/22

Out: 0.004+/-0.000 χ^2/NDF:587329.1/26

All: 0.004+/-0.000 χ^2/NDF: 1444340.2/49

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: -2.383+/-0.000 χ^2/NDF:1170631336.8/6

Left: -2.387+/-0.000 χ^2/NDF: 2372661659.5/14

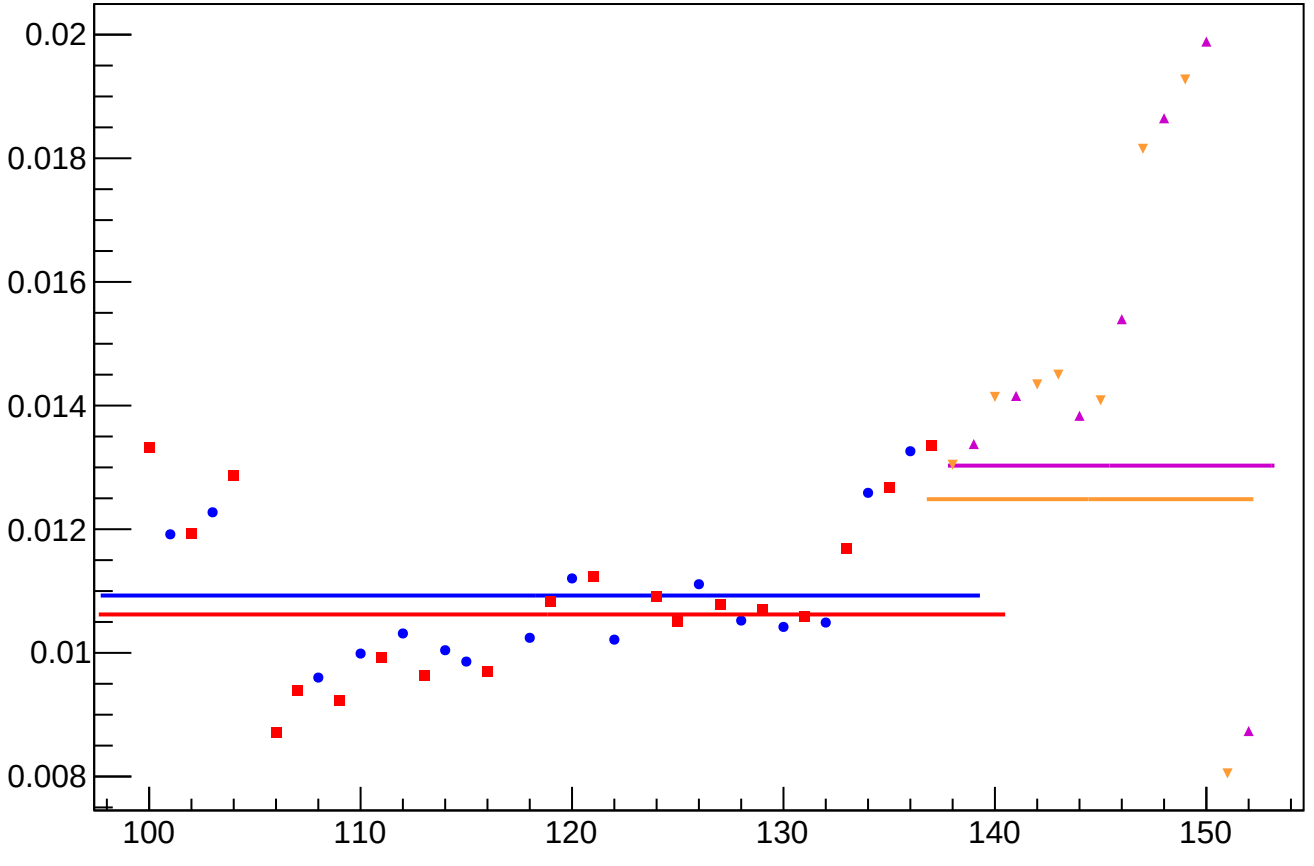
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -0.916+/-0.000 χ^2/NDF:118784364534.0/22

Out: -0.926+/-0.000 χ^2/NDF:128567950668.2/26

All: -0.921+/-0.000 χ^2/NDF: 247356765940.0

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: 0.013+/-0.000 χ^2/NDF:838855.4/6

Left: 0.013+/-0.000 χ^2/NDF: 1812406.3/14

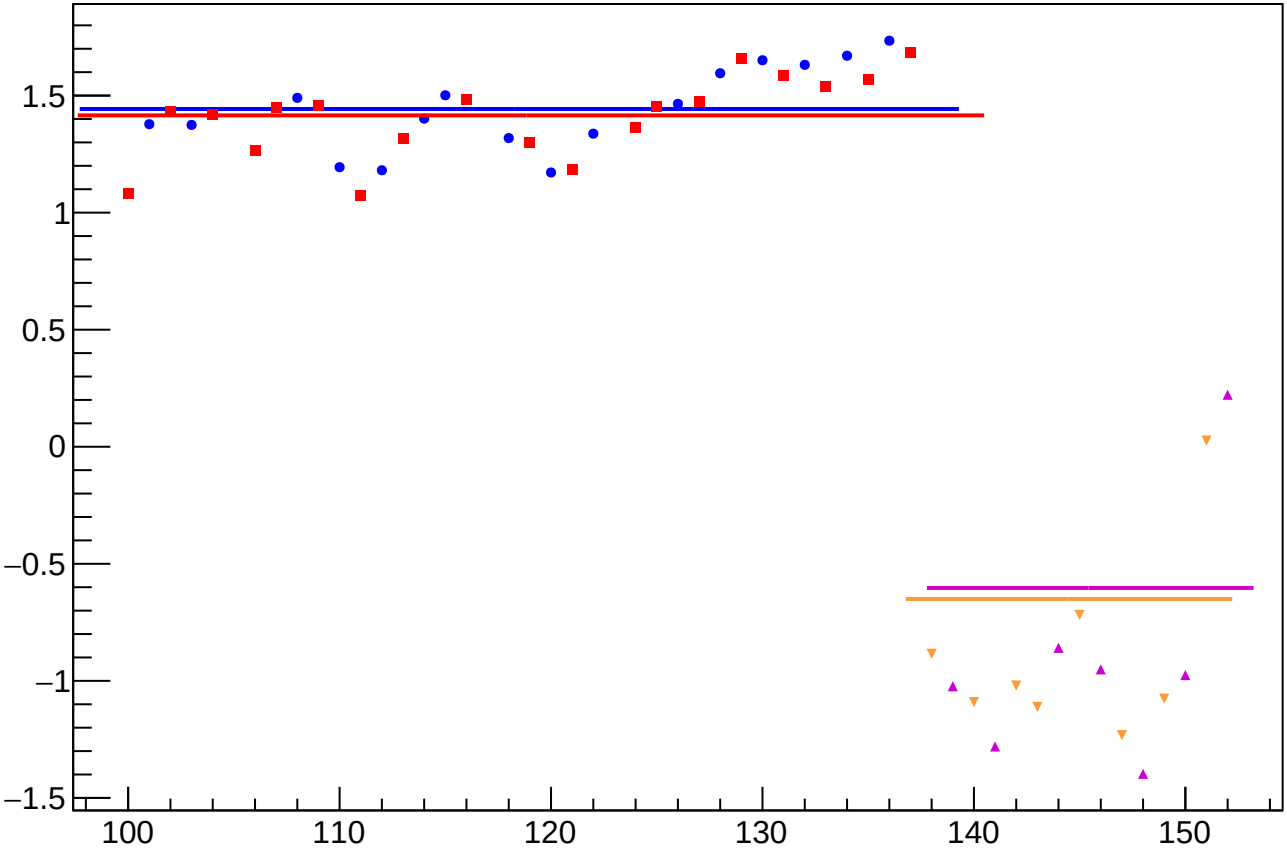
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.012+/-0.000 χ^2/NDF:1164475.2/22

Out: 0.011+/-0.000 χ^2/NDF:1315986.4/26

All: 0.011+/-0.000 χ^2/NDF: 2495634.4/49

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: -0.603+/-0.000 χ^2/NDF:26743617401.7/6

Left: -0.627+/-0.000 χ^2/NDF: 44485321708.2/14

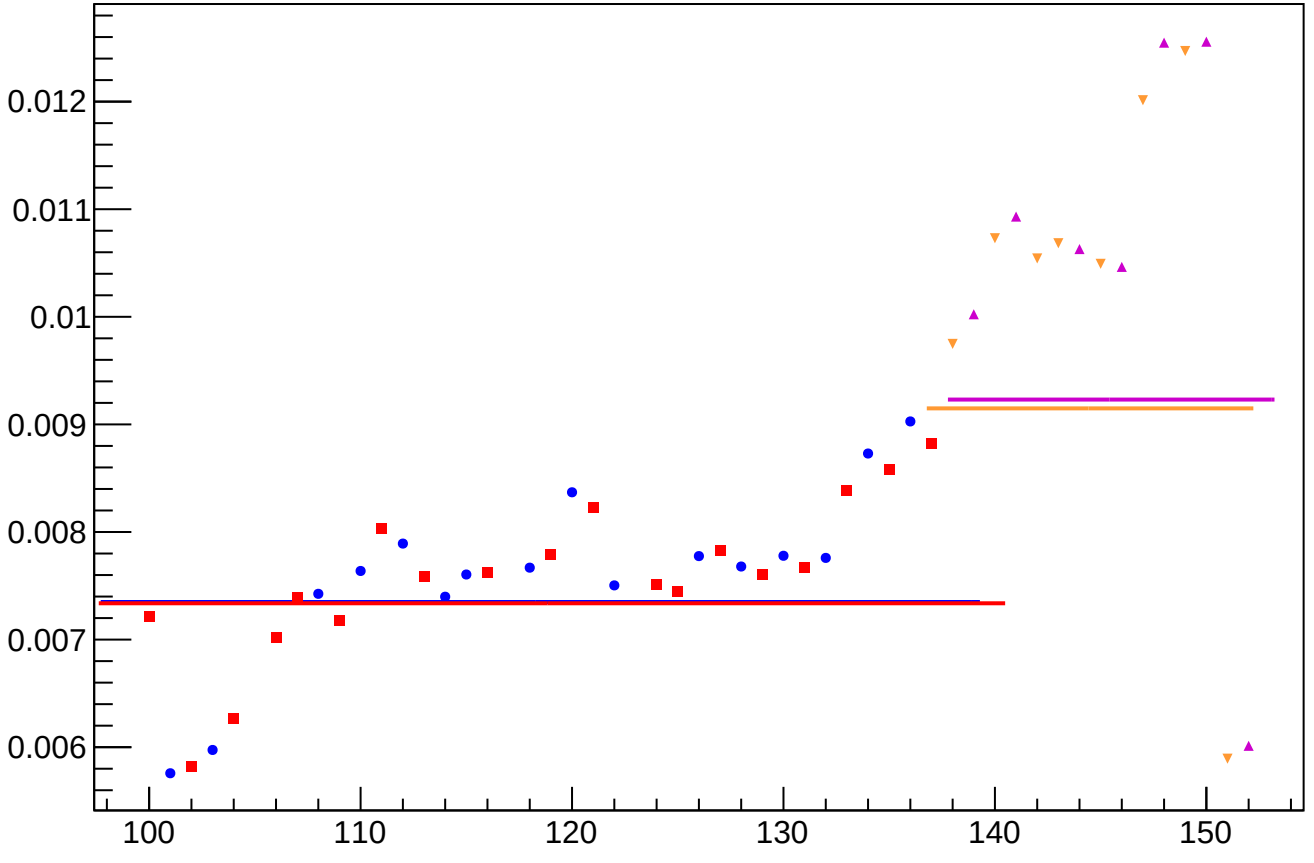
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.752+/-0.000 χ^2/NDF:215420061918.2/22

Out: 0.726+/-0.000 χ^2/NDF:215397071489.5/26

All: 0.739+/-0.000 χ^2/NDF: 430882831305.3

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: 0.009+/-0.000 χ^2/NDF:845446.6/6

Left: 0.009+/-0.000 χ^2/NDF: 1676472.4/14

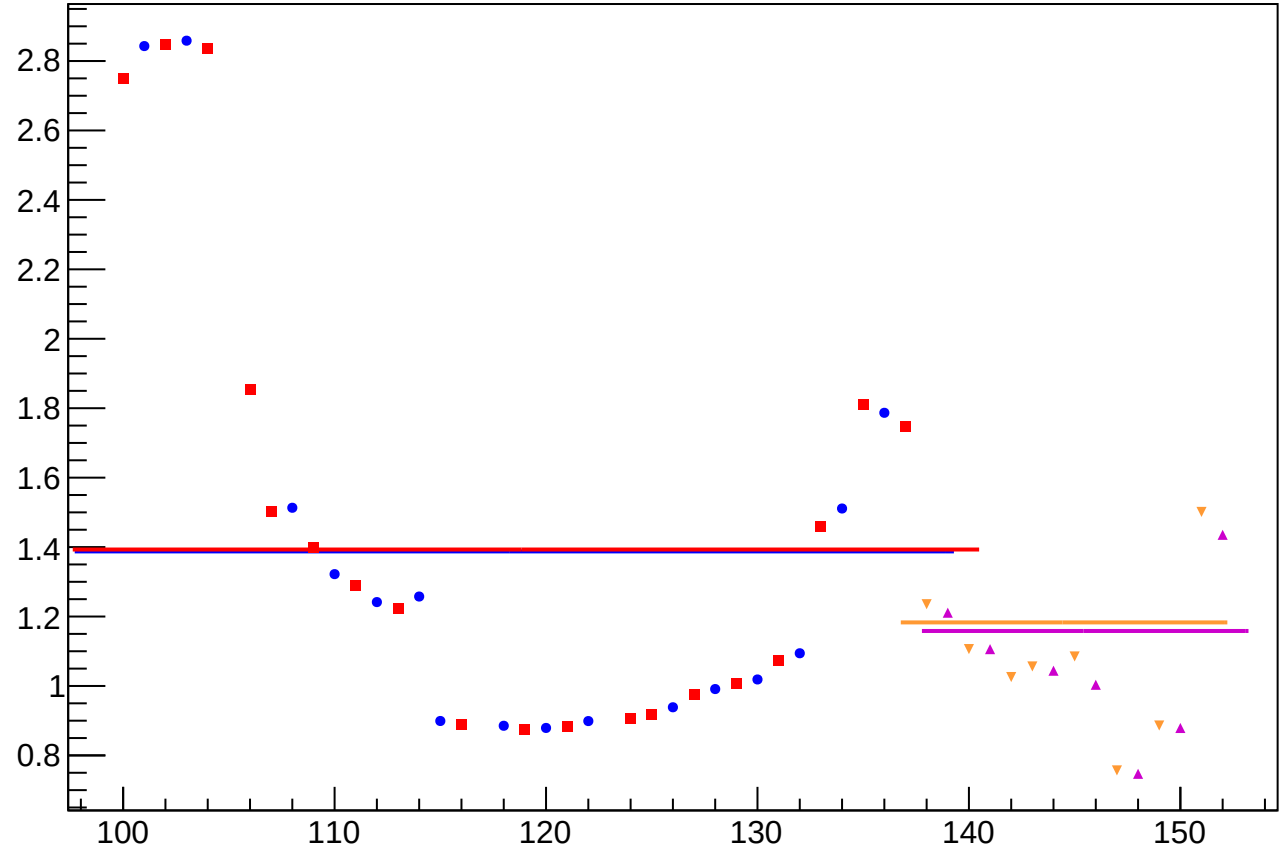
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:1429121.3/22

Out: 0.008+/-0.000 χ^2/NDF:1325793.7/26

All: 0.008+/-0.000 χ^2/NDF: 2755284.7/49

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: 1.158+/-0.000 χ^2/NDF:3569032821.7/6

Left: 1.171+/-0.000 χ^2/NDF: 7856314629.3/14

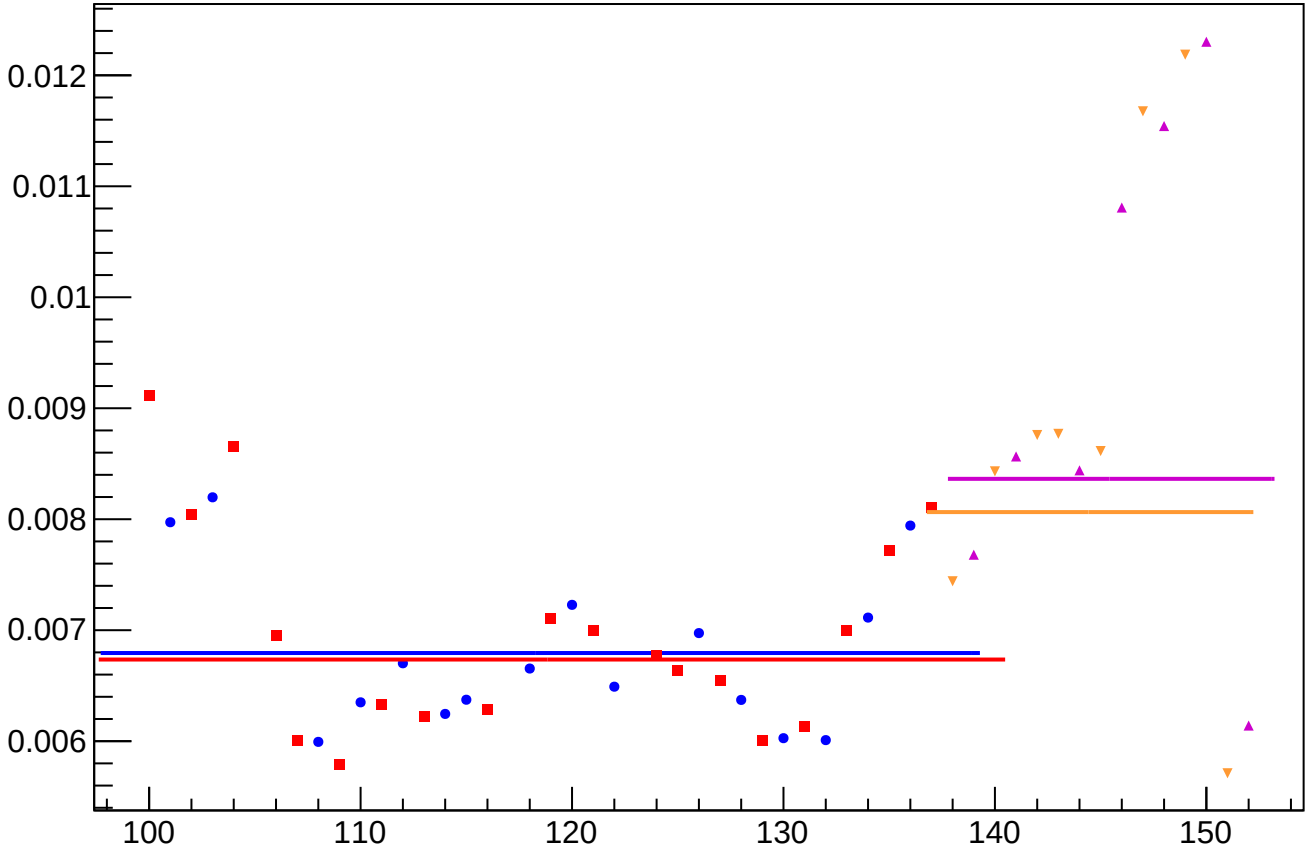
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.310+/-0.000 χ^2/NDF:64930113879.5/22

Out: 1.321+/-0.000 χ^2/NDF:62087392479.6/26

All: 1.315+/-0.000 χ^2/NDF: 127032385128.2

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: 0.008+/-0.000 χ^2/NDF:609414.0/6

Left: 0.008+/-0.000 χ^2/NDF: 1222617.9/14

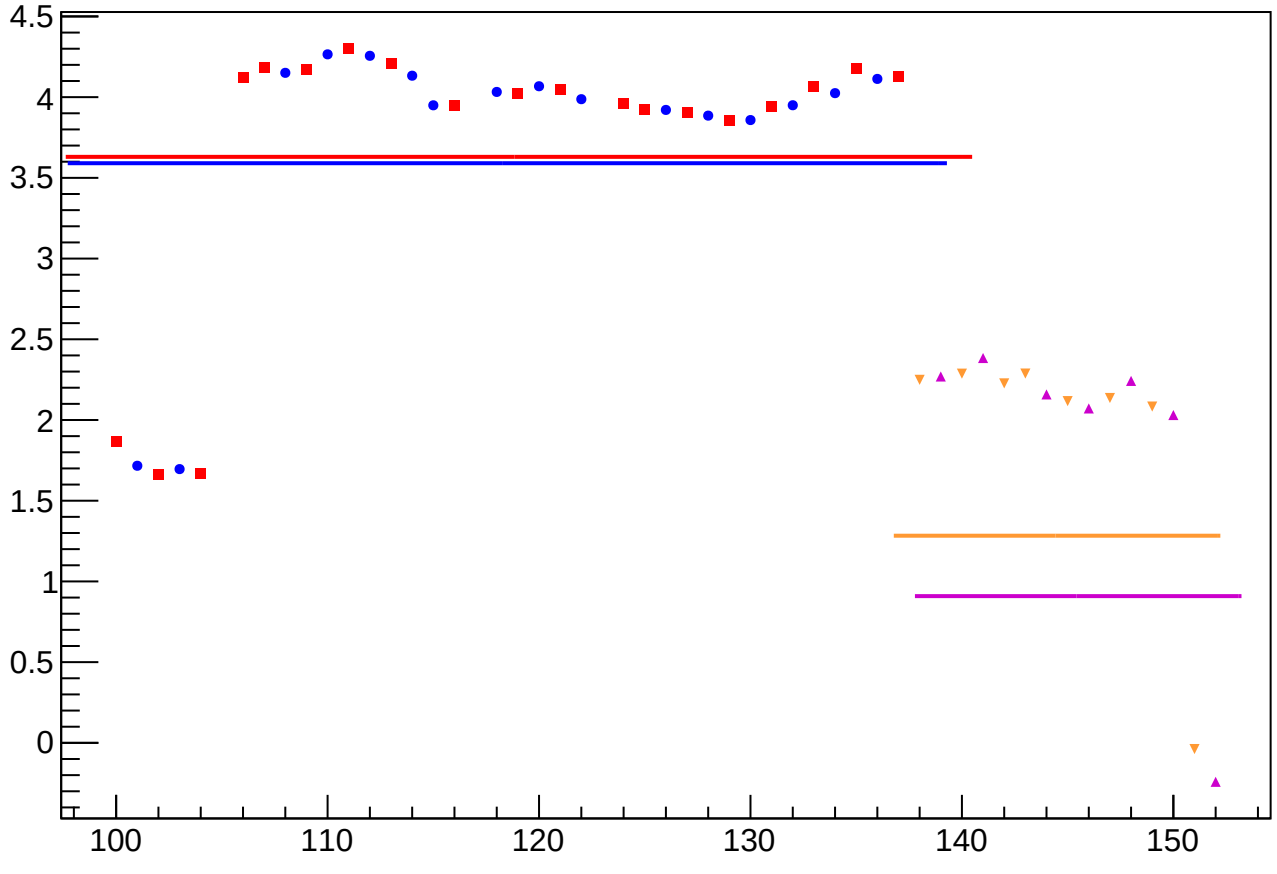
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1031622.1/22

Out: 0.007+/-0.000 χ^2/NDF:1001316.6/26

All: 0.007+/-0.000 χ^2/NDF: 2037328.7/49

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: 0.909+/-0.000 χ^2/NDF:232117801605.0/6

Left: 1.085+/-0.000 χ^2/NDF: 410662299366.8/14

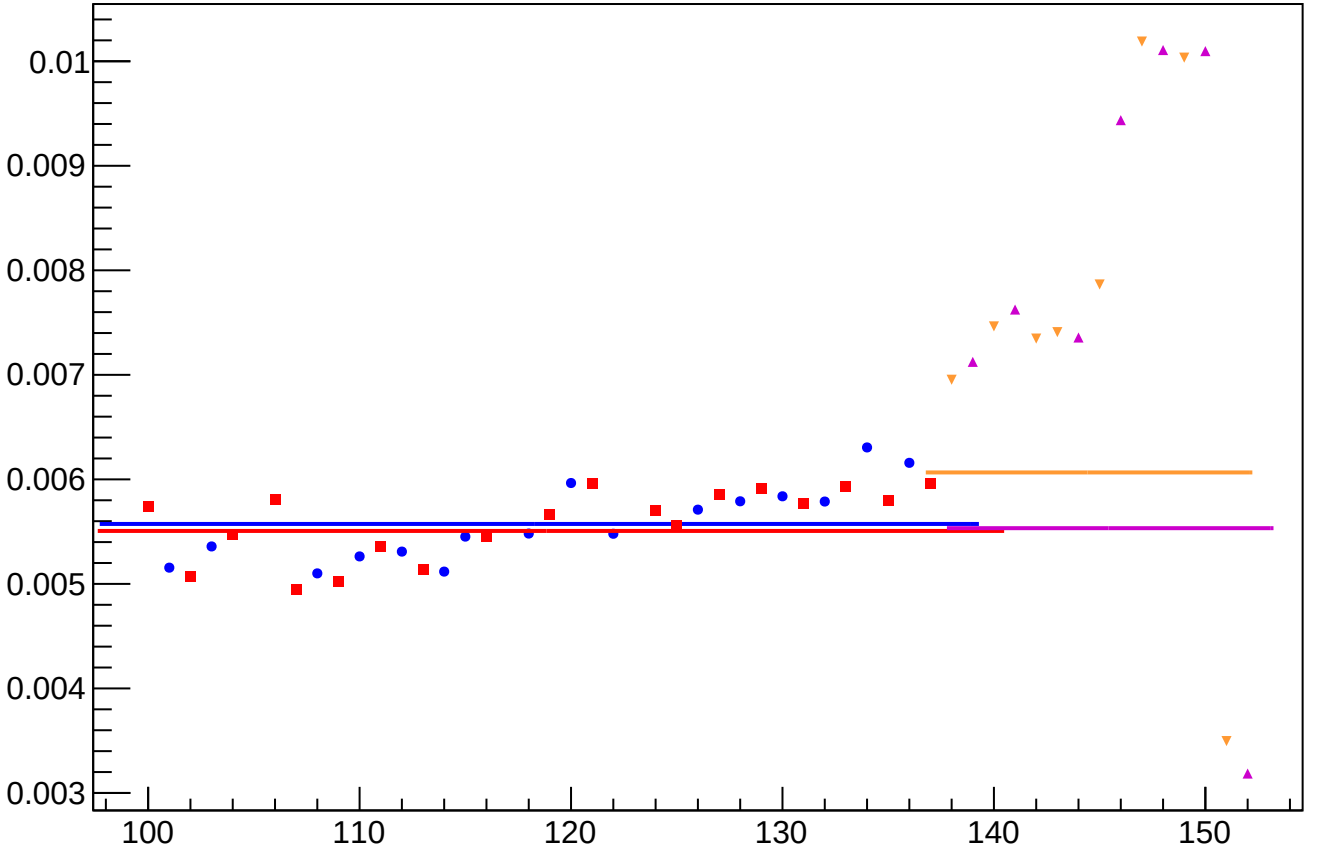
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 2.518+/-0.000 χ^2/NDF:1097943923015.2/22

Out: 2.782+/-0.000 χ^2/NDF:860286781417.9/26

All: 2.649+/-0.000 χ^2/NDF: 1971498829971.

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: 0.006+/-0.000 χ^2/NDF:2135024.8/6

Left: 0.006+/-0.000 χ^2/NDF: 3634352.1/14

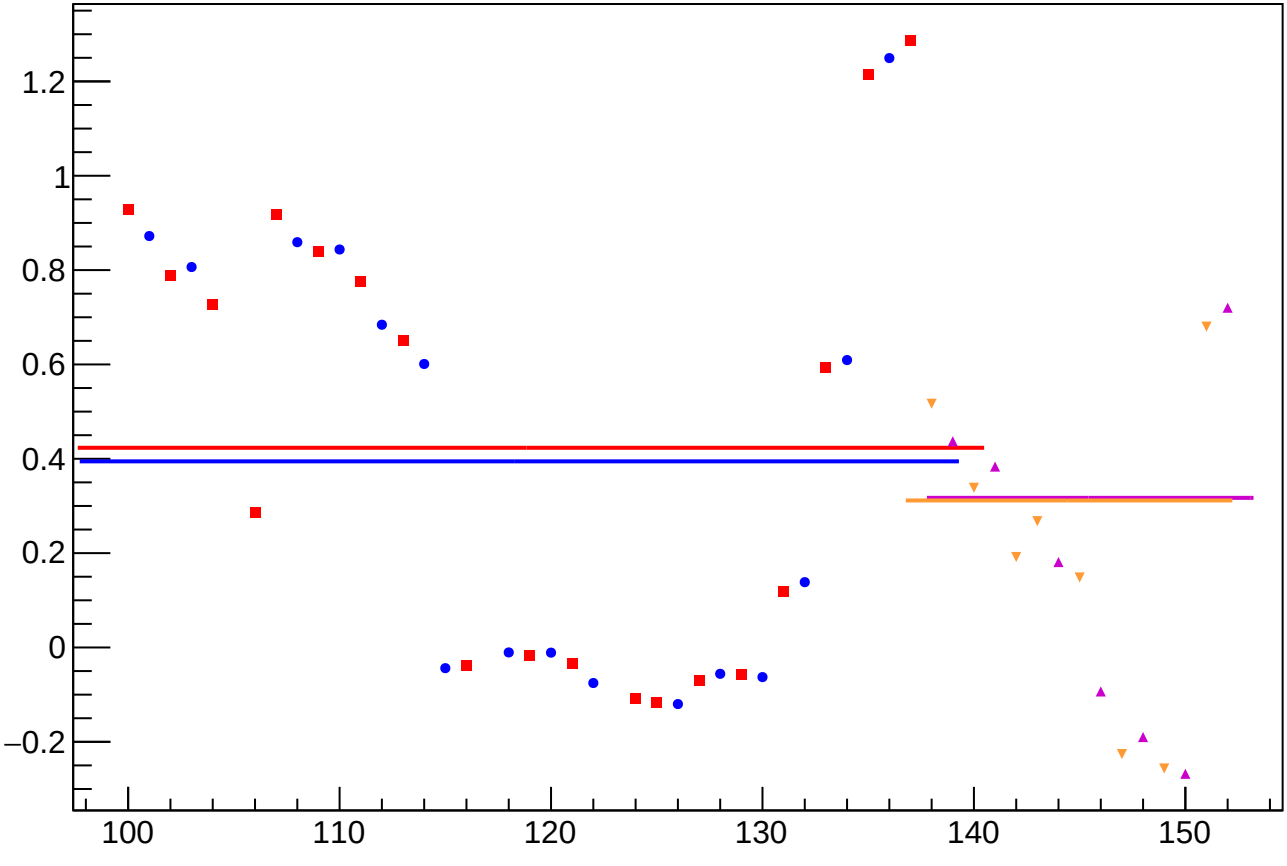
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.006+/-0.000 χ^2/NDF:2194457.2/22

Out: 0.006+/-0.000 χ^2/NDF:1570177.7/26

All: 0.006+/-0.000 χ^2/NDF: 3773377.0/49

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: 0.317+/-0.000 χ^2/NDF:4032434081.0/6

Left: 0.315+/-0.000 χ^2/NDF: 7110036068.9/14

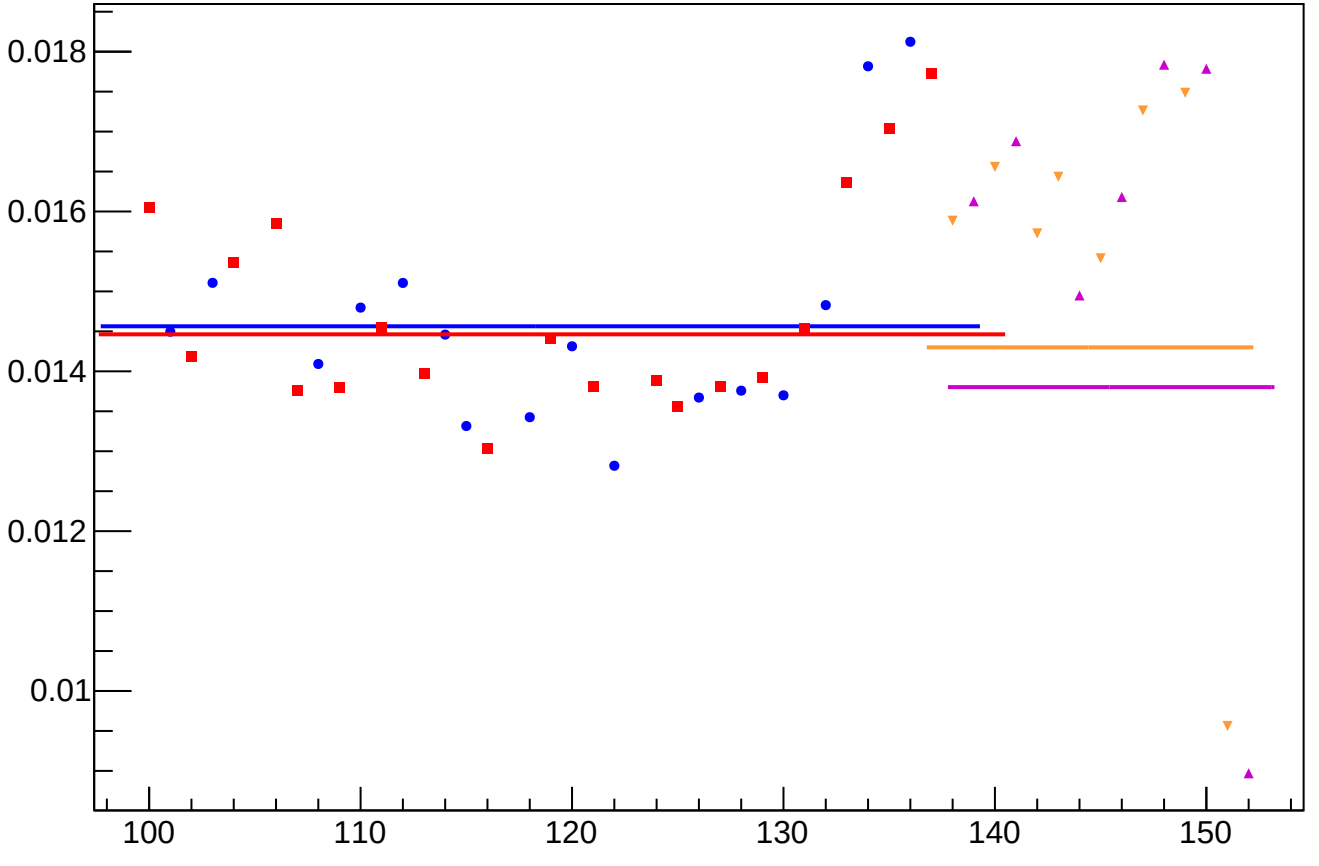
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.358+/-0.000 χ^2/NDF:11538919718.1/22

Out: 0.373+/-0.000 χ^2/NDF:10175535129.4/26

All: 0.366+/-0.000 χ^2/NDF: 21721635609.9/4

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: 0.014+/-0.000 χ^2/NDF:808206.0/6

Left: 0.014+/-0.000 χ^2/NDF: 1394300.8/14

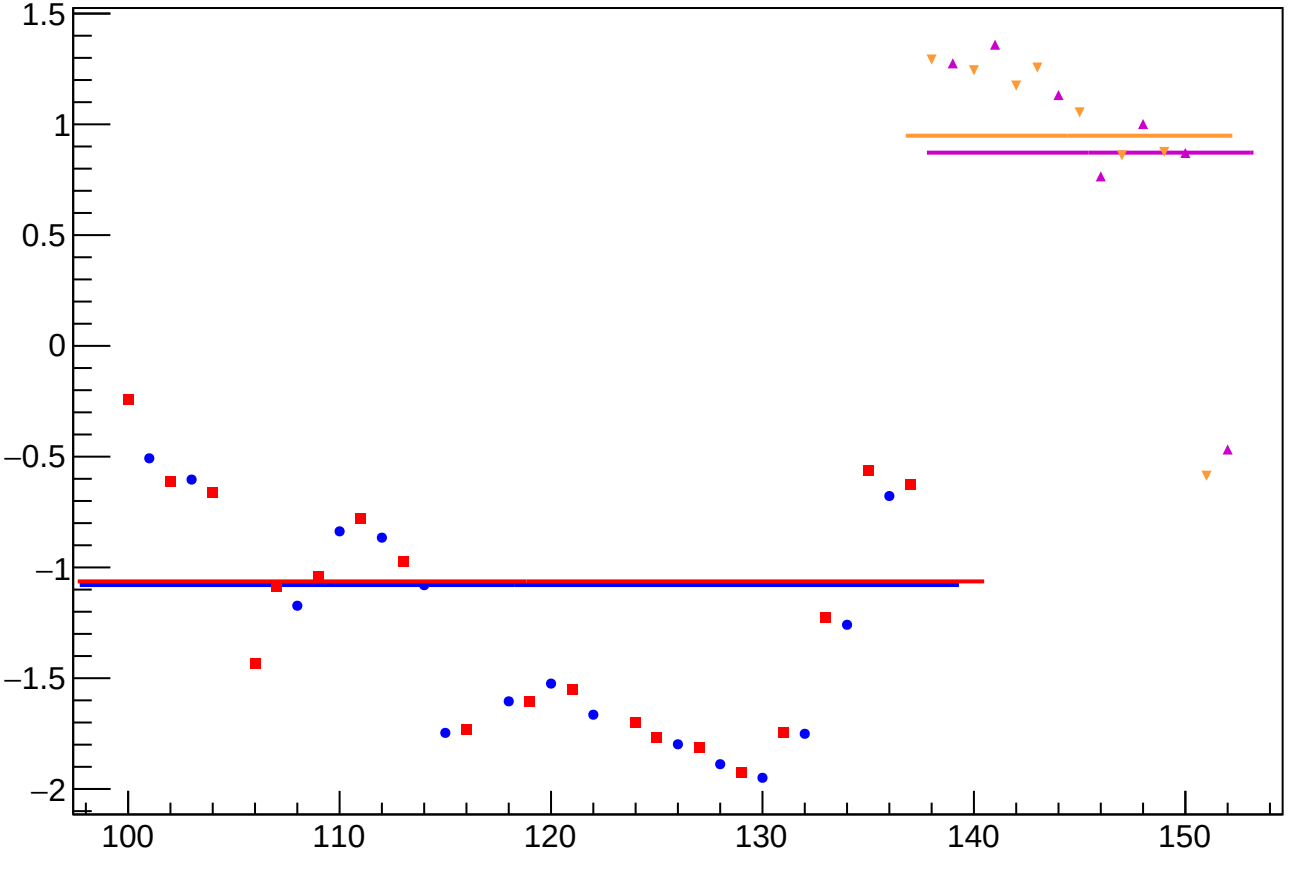
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.014+/-0.000 χ^2/NDF:959535.9/22

Out: 0.014+/-0.000 χ^2/NDF:657164.3/26

All: 0.014+/-0.000 χ^2/NDF: 1618824.7/49

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: 0.872+/-0.000 χ^2/NDF:103407152515.6/6

Left: 0.911+/-0.000 χ^2/NDF: 200468435567.3/14

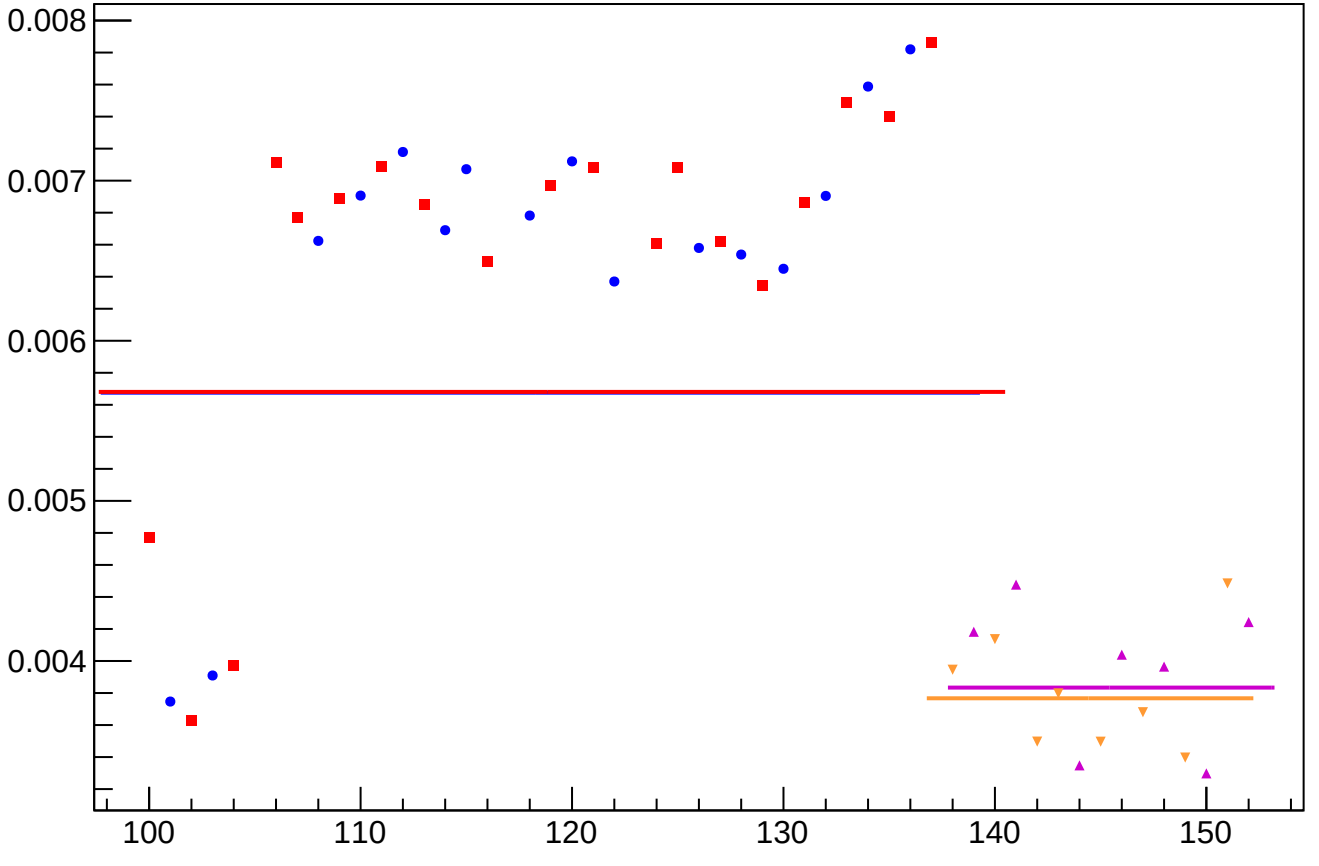
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.181+/-0.000 χ^2/NDF:649170734035.7/22

Out: 0.256+/-0.000 χ^2/NDF:676127261153.2/26

All: 0.219+/-0.000 χ^2/NDF: 1326907519085.

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:141360.3/6

Left: 0.004+/-0.000 χ^2/NDF: 223922.7/14

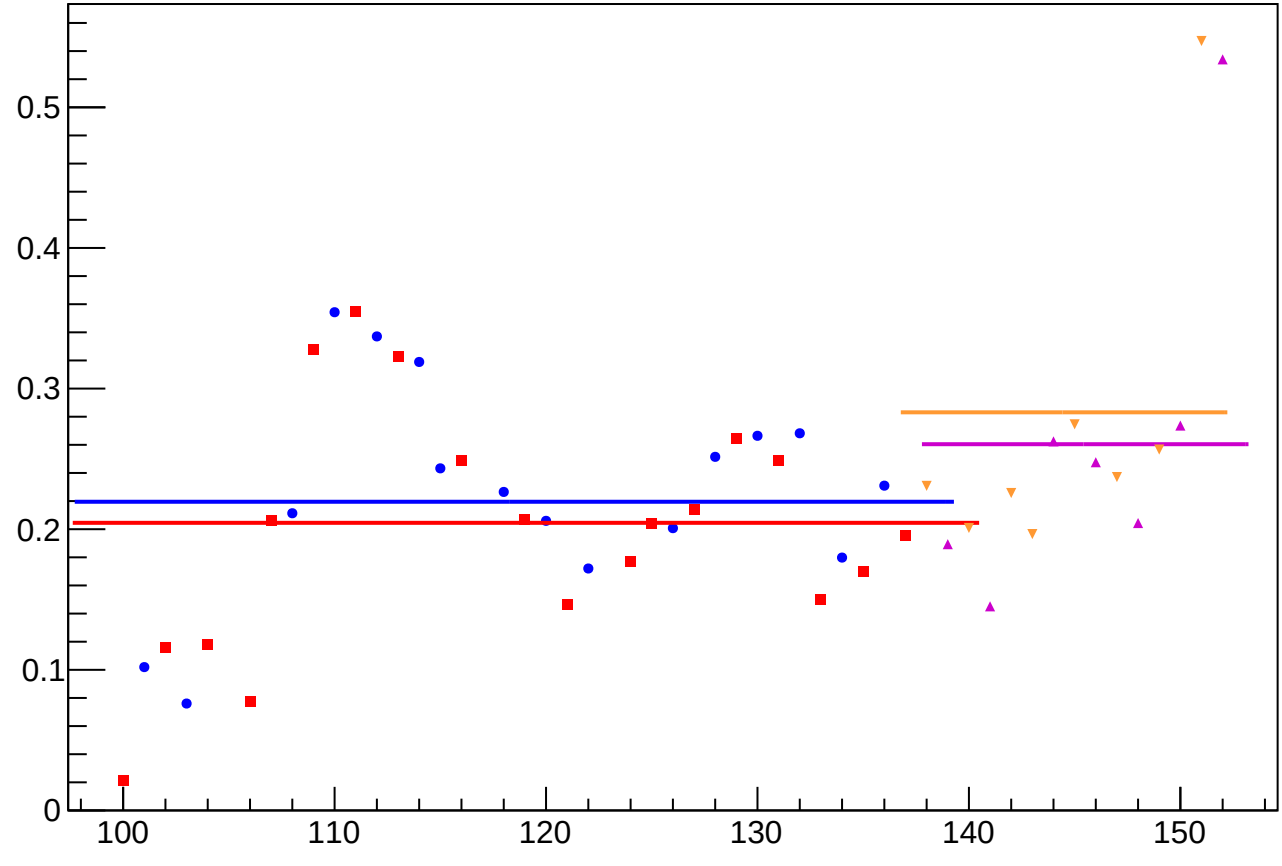
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:1952234.1/22

Out: 0.004+/-0.000 χ^2/NDF:2020943.7/26

All: 0.004+/-0.000 χ^2/NDF: 3975268.4/49

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: 0.260+/-0.000 χ^2/NDF:35683707981.6/6

Left: 0.272+/-0.000 χ^2/NDF: 81776428266.2/14

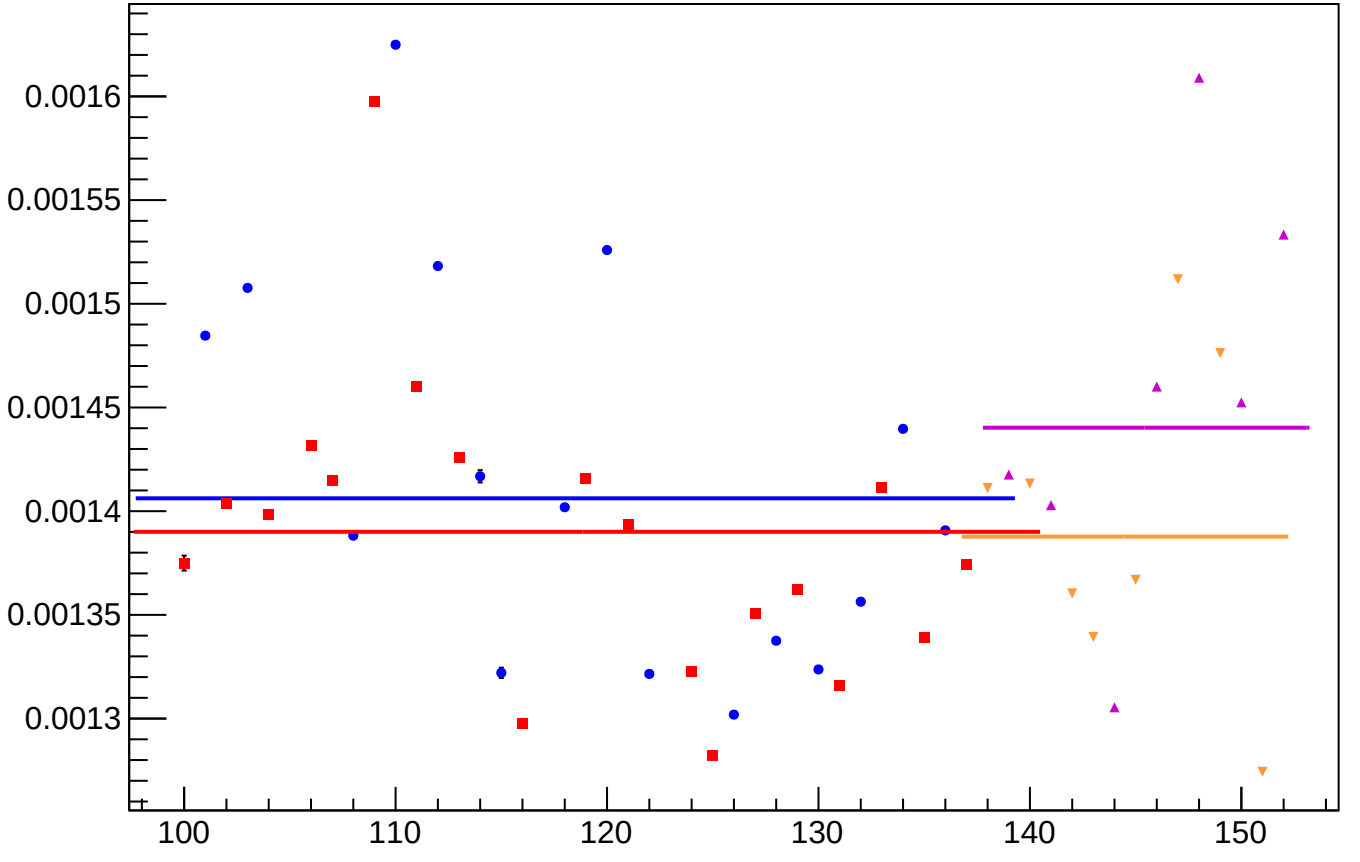
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.238+/-0.000 χ^2/NDF:55060800510.3/22

Out: 0.240+/-0.000 χ^2/NDF:78296275789.3/26

All: 0.239+/-0.000 χ^2/NDF: 133375551840.9

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:44608.2/6

Left: 0.001+/-0.000 χ^2/NDF: 86711.1/14

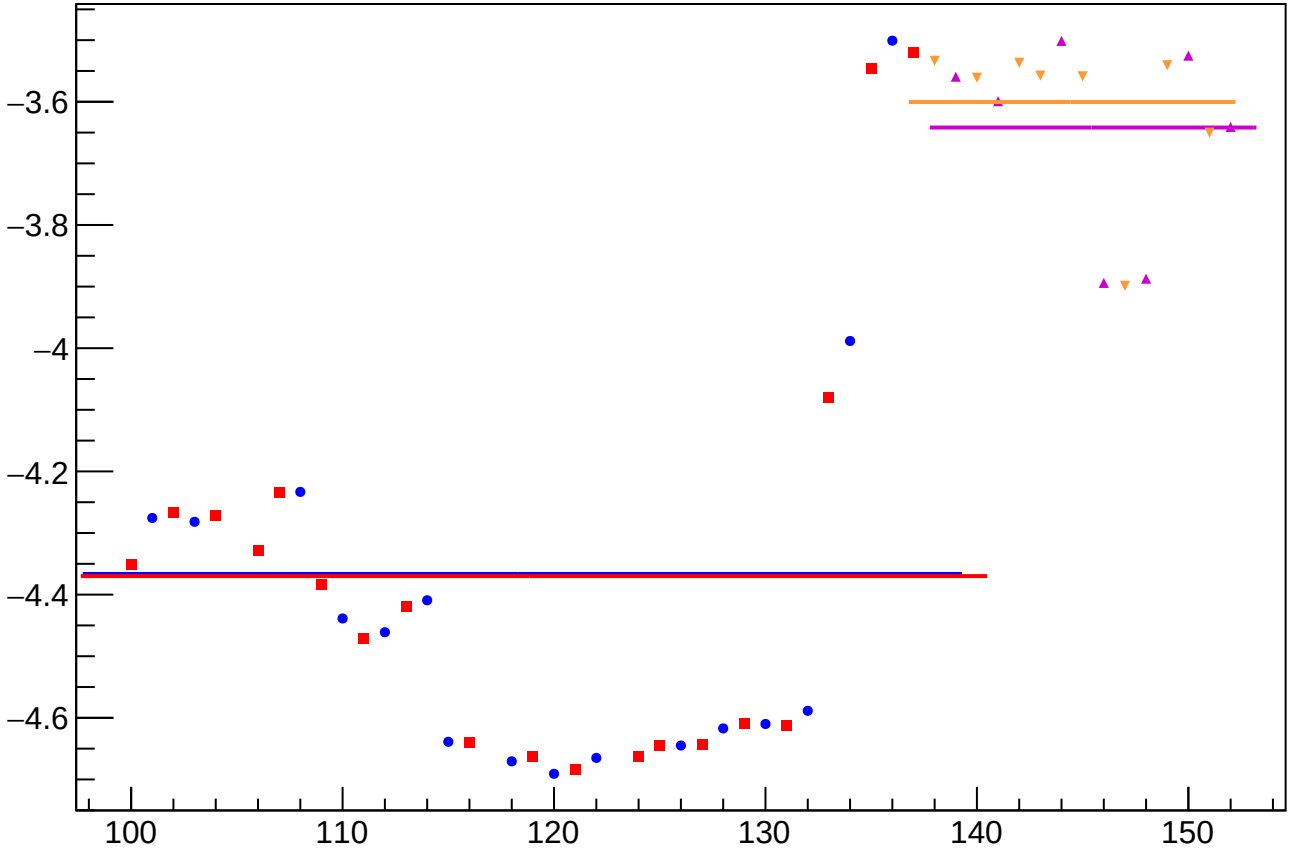
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:96475.2/22

Out: 0.001+/-0.000 χ^2/NDF:68590.9/26

All: 0.001+/-0.000 χ^2/NDF: 172119.7/49

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:32344589642.8/6

Left: -3.620+/-0.000 χ^2/NDF: 52389846475.9/14

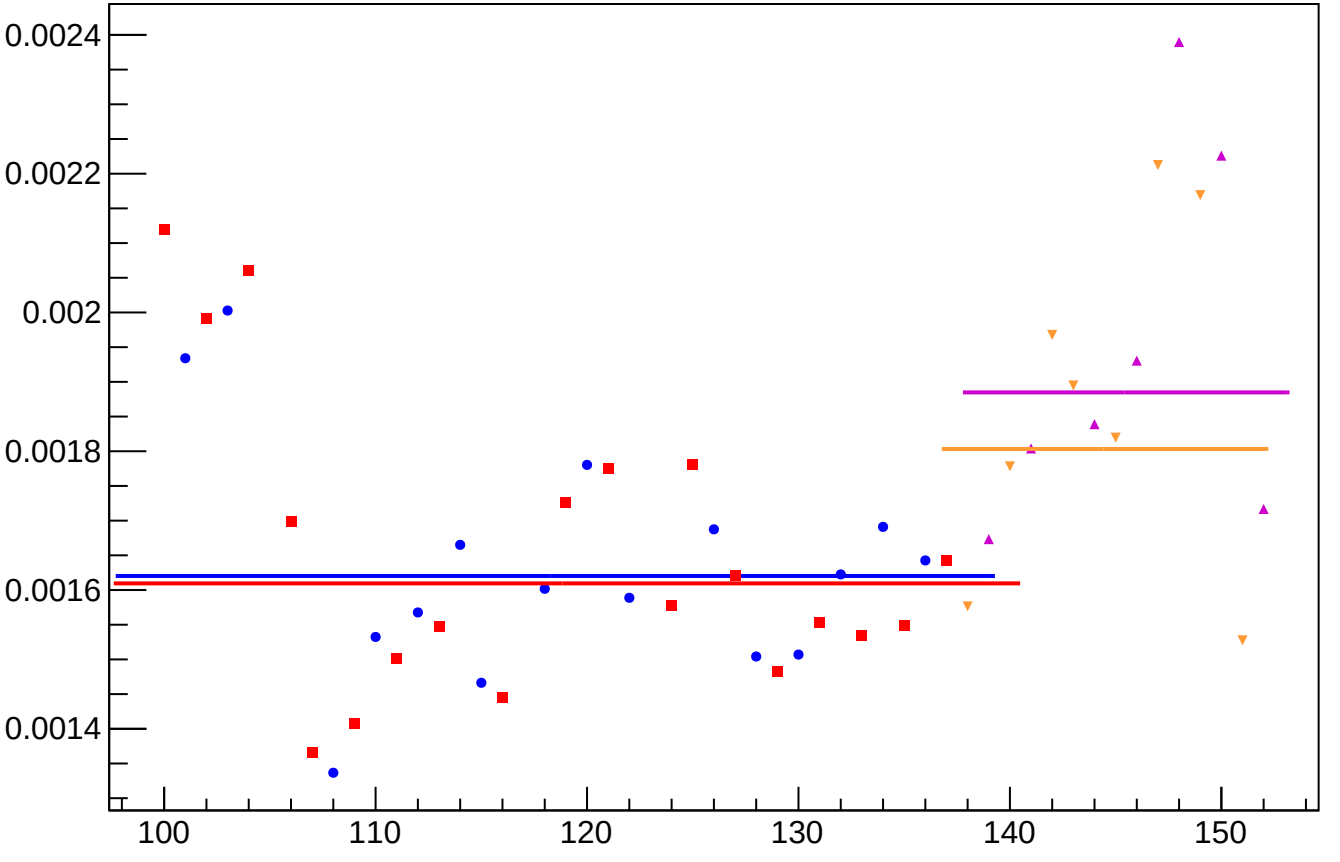
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.090+/-0.000 χ^2/NDF:910194241262.8/22

Out: -4.068+/-0.000 χ^2/NDF:952891854421.7/26

All: -4.079+/-0.000 χ^2/NDF: 1864122308203

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:159301.1/6

Left: 0.002+/-0.000 χ^2/NDF: 363255.6/14

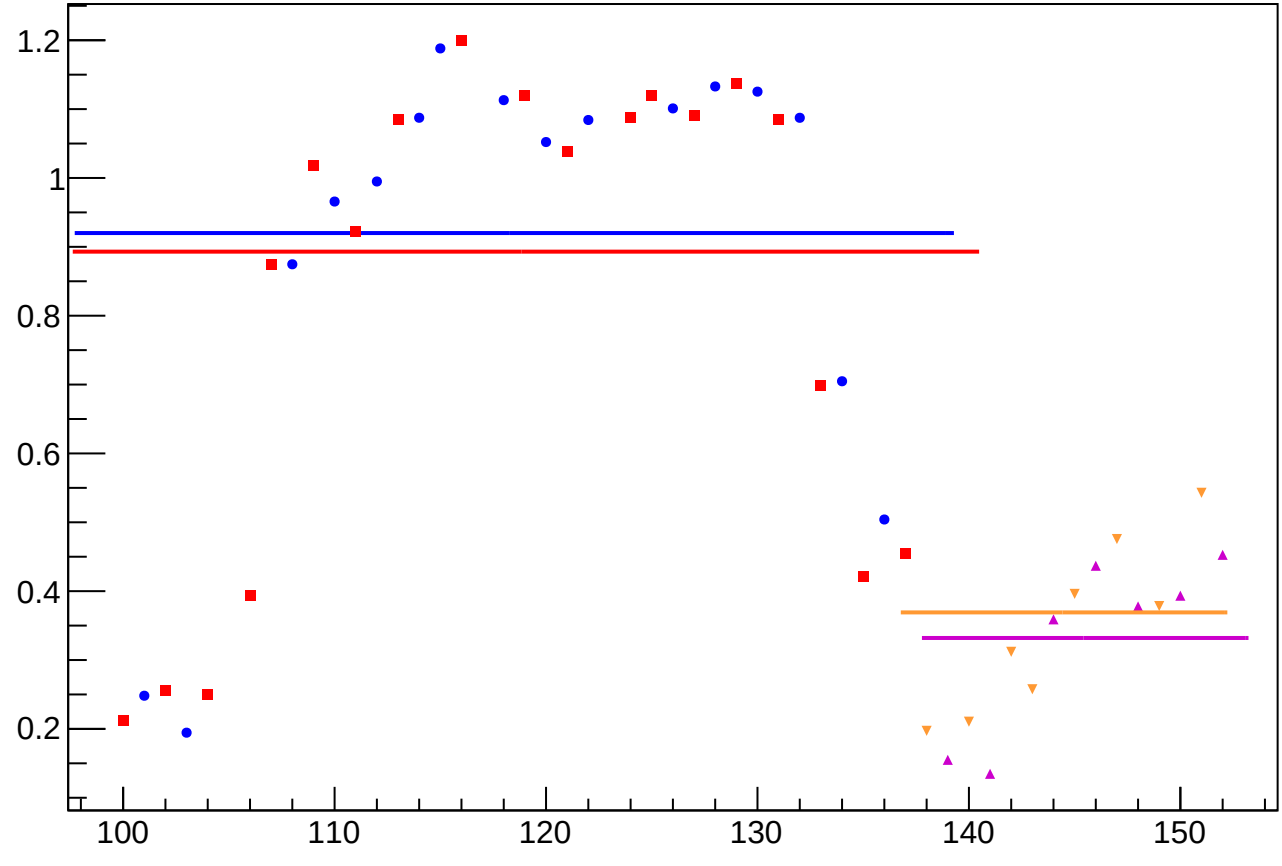
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:439423.3/22

Out: 0.002+/-0.000 χ^2/NDF:458554.3/26

All: 0.002+/-0.000 χ^2/NDF: 903543.7/49

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: 0.332+/-0.000 χ^2/NDF:1272409124.5/6

Left: 0.351+/-0.000 χ^2/NDF: 2904674565.6/14

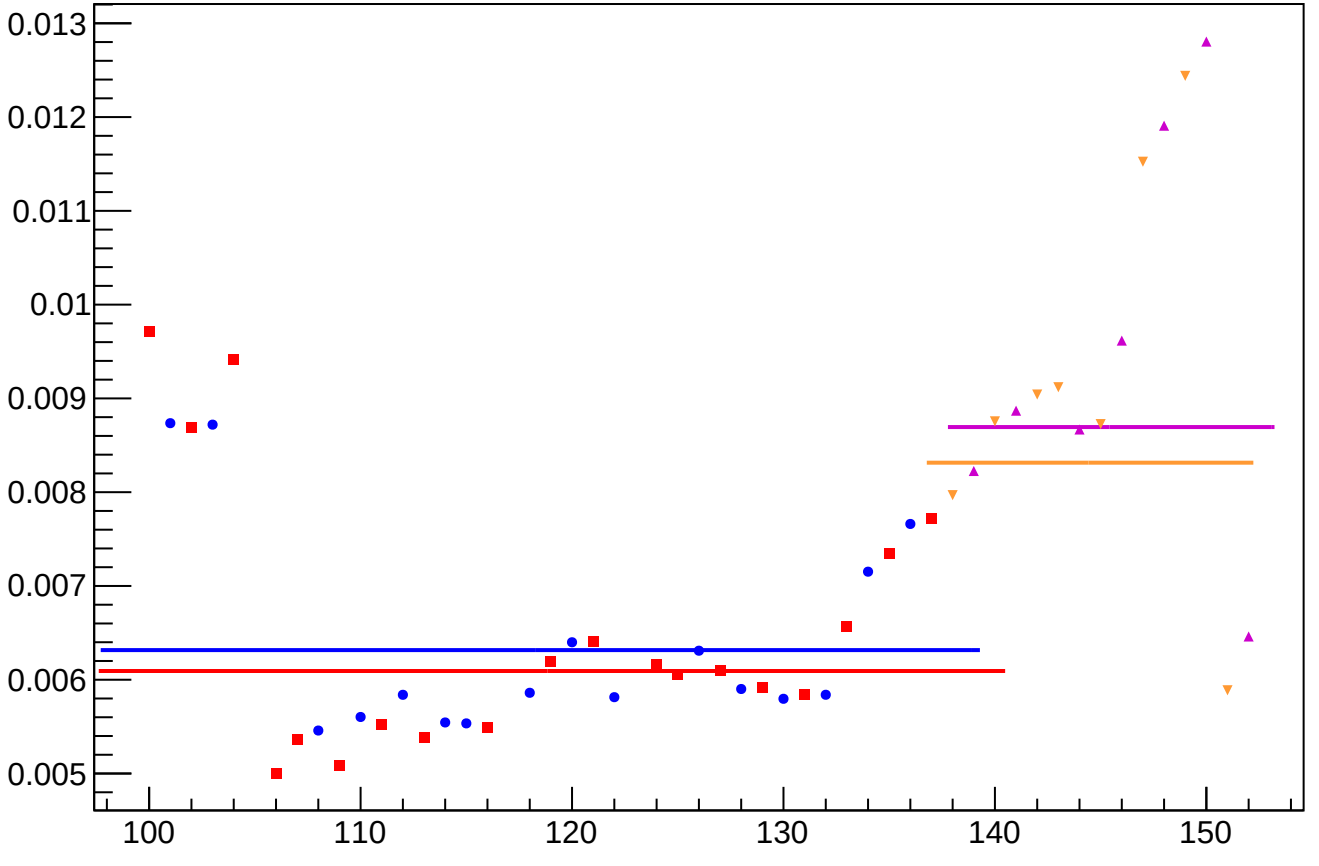
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.741+/-0.000 χ^2/NDF:34346997568.4/22

Out: 0.735+/-0.000 χ^2/NDF:35379059609.4/26

All: 0.738+/-0.000 χ^2/NDF: 69730528281.5/4

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: 0.009+/-0.000 χ^2/NDF:532475.0/6

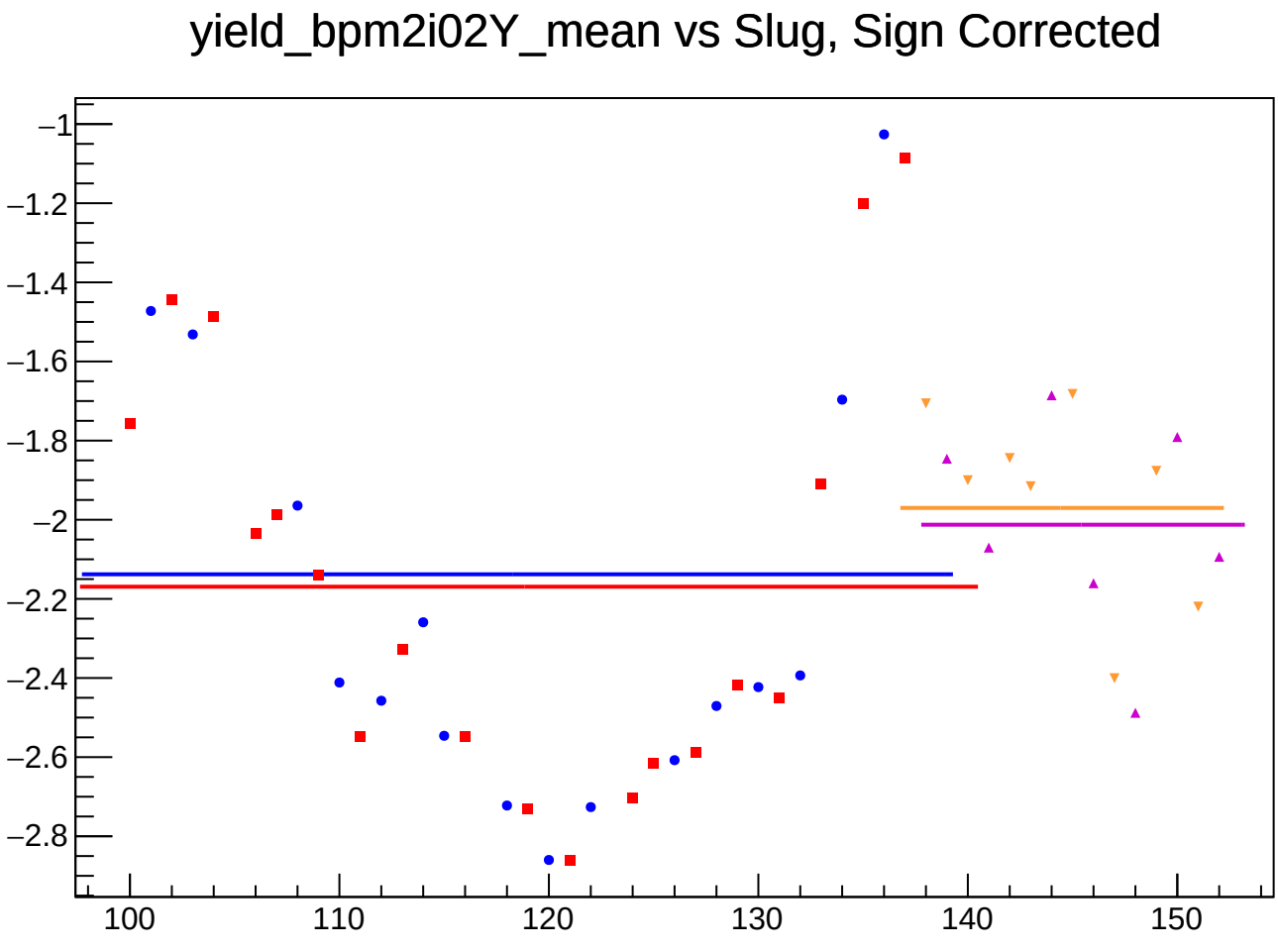
Left: 0.008+/-0.000 χ^2/NDF: 1167933.6/14

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1473827.5/22

Out: 0.007+/-0.000 χ^2/NDF:1640915.2/26

All: 0.007+/-0.000 χ^2/NDF: 3135230.5/49



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: -2.013+/-0.000 χ^2/NDF:5130859894.4/6

Left: -1.991+/-0.000 χ^2/NDF: 11575272086.9/14

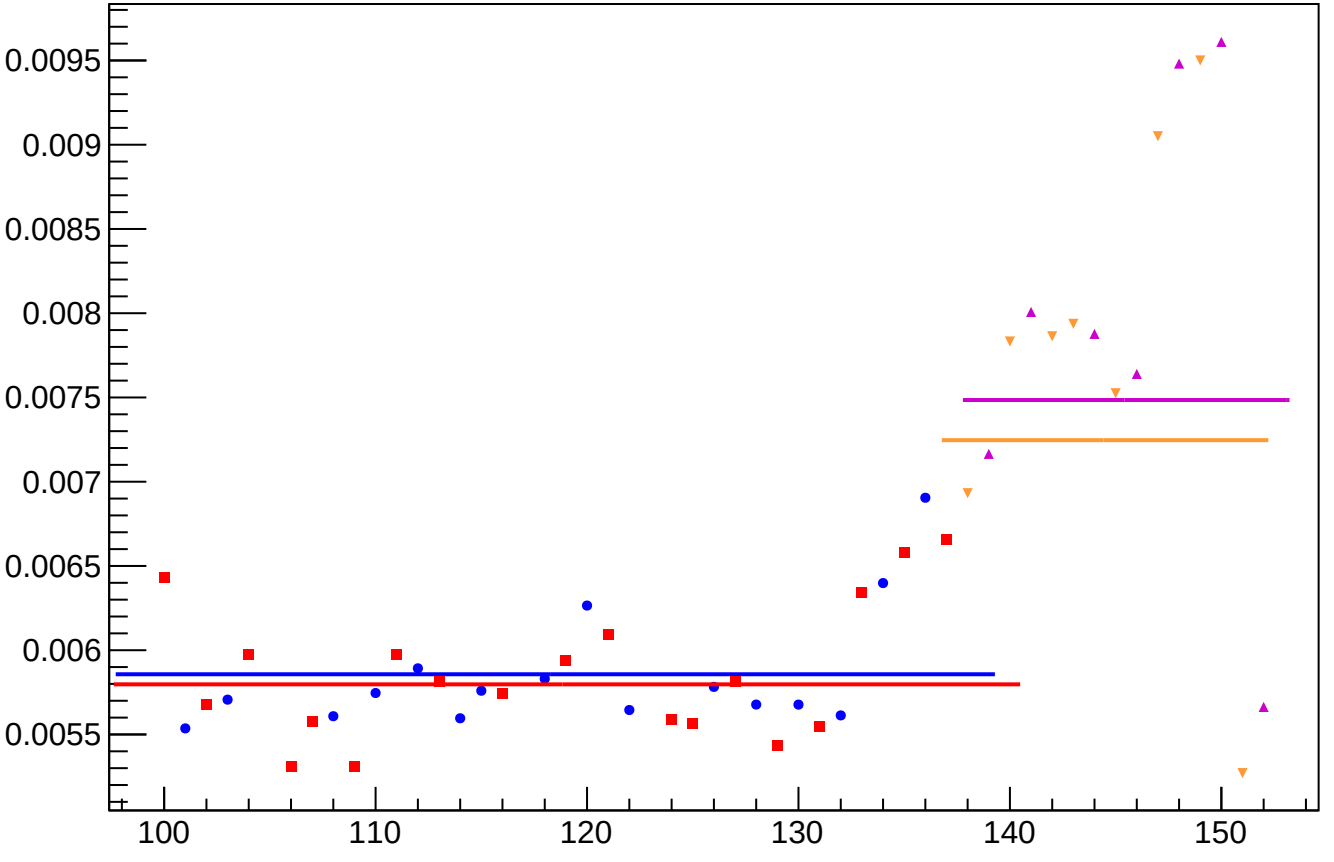
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.096+/-0.000 χ^2/NDF:71901835815.2/22

Out: -2.102+/-0.000 χ^2/NDF:66731088465.2/26

All: -2.099+/-0.000 χ^2/NDF: 138638897215.9

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:425972.8/7

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:356102.4/6

Left: 0.007+/-0.000 χ^2/NDF: 788291.9/14

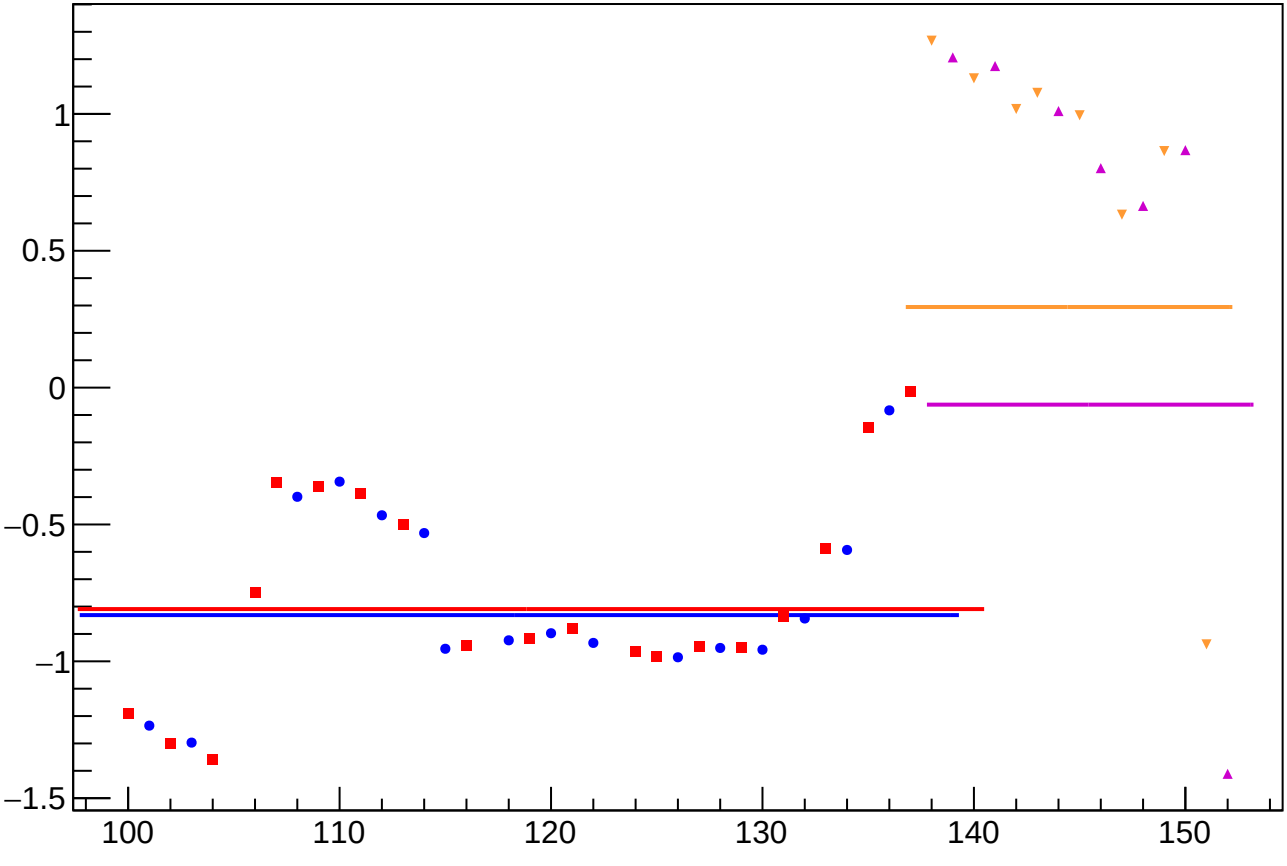
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:790771.7/22

Out: 0.006+/-0.000 χ^2/NDF:797643.6/26

All: 0.006+/-0.000 χ^2/NDF: 1592772.1/49

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: -0.062+/-0.000 χ^2/NDF:77235806698.3/6

Left: 0.109+/-0.000 χ^2/NDF: 126191148431.7/14

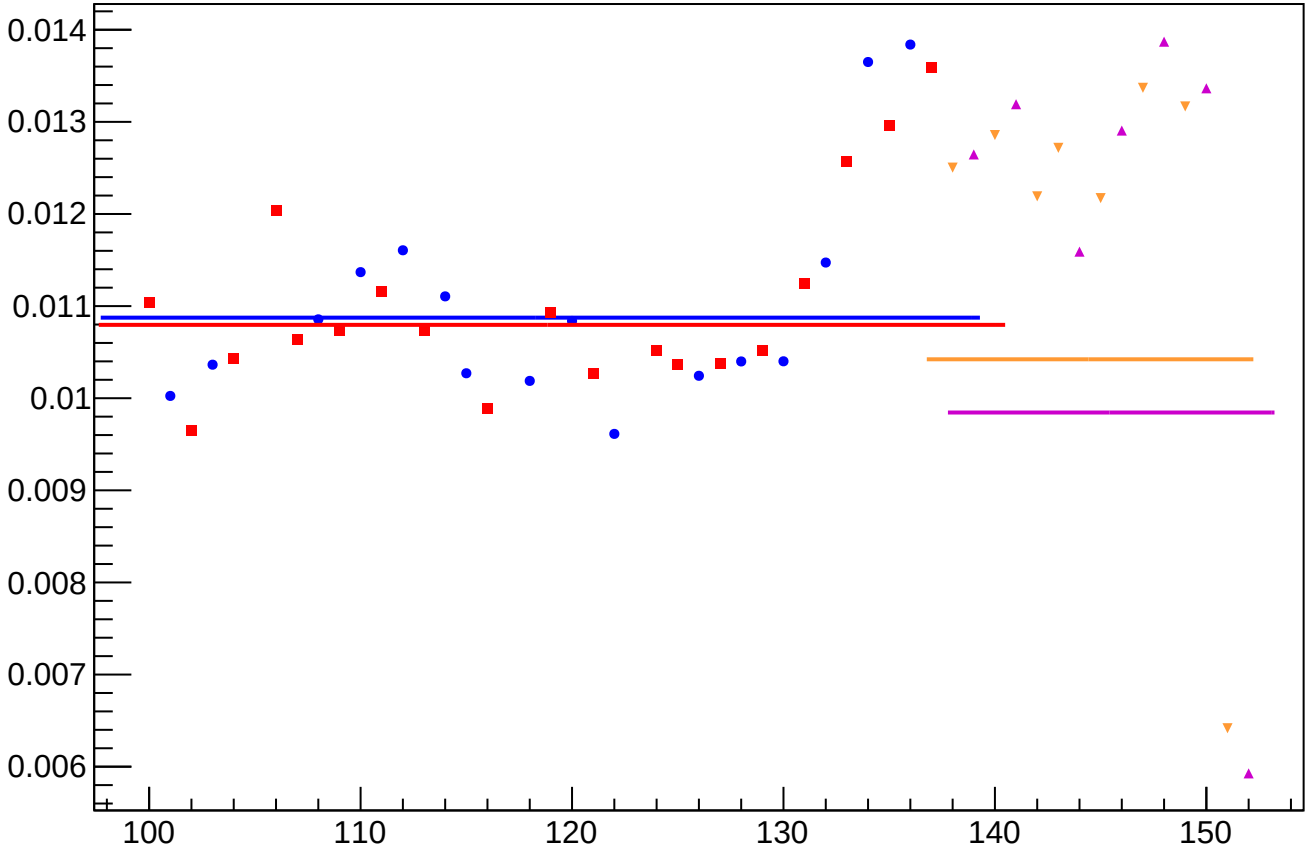
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.462+/-0.000 χ^2/NDF:101223835874.9/22

Out: -0.312+/-0.000 χ^2/NDF:87782254284.5/26

All: -0.387+/-0.000 χ^2/NDF: 190293538477.3

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:949689.3/7

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.010+/-0.000 χ^2/NDF:1318446.4/6

Left: 0.010+/-0.000 χ^2/NDF: 2285757.7/14

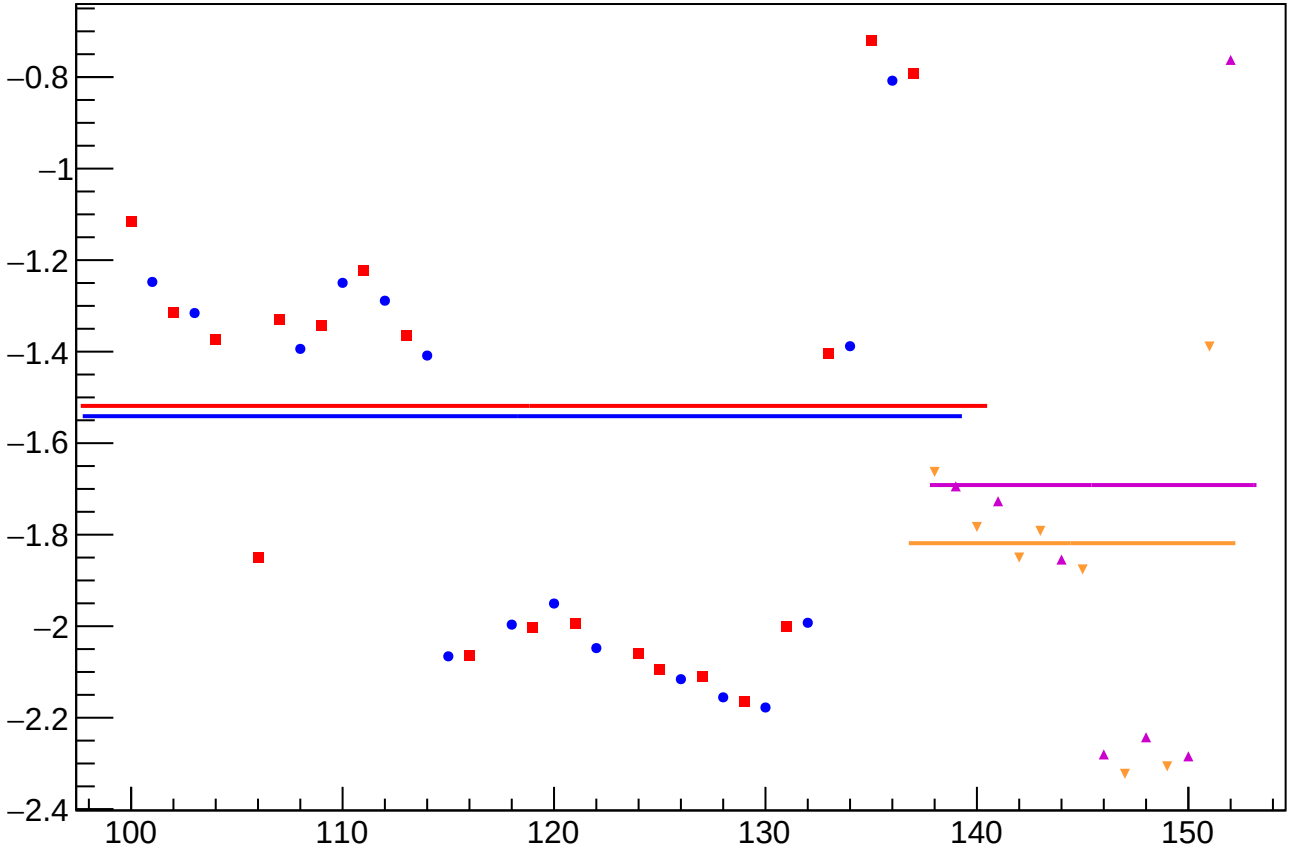
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.010+/-0.000 χ^2/NDF:1536607.1/22

Out: 0.011+/-0.000 χ^2/NDF:1056623.5/26

All: 0.011+/-0.000 χ^2/NDF: 2600177.2/49

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: -1.692+/-0.000 χ^2/NDF:110053982716.0/6

Left: -1.758+/-0.000 χ^2/NDF: 144390489663.0/14

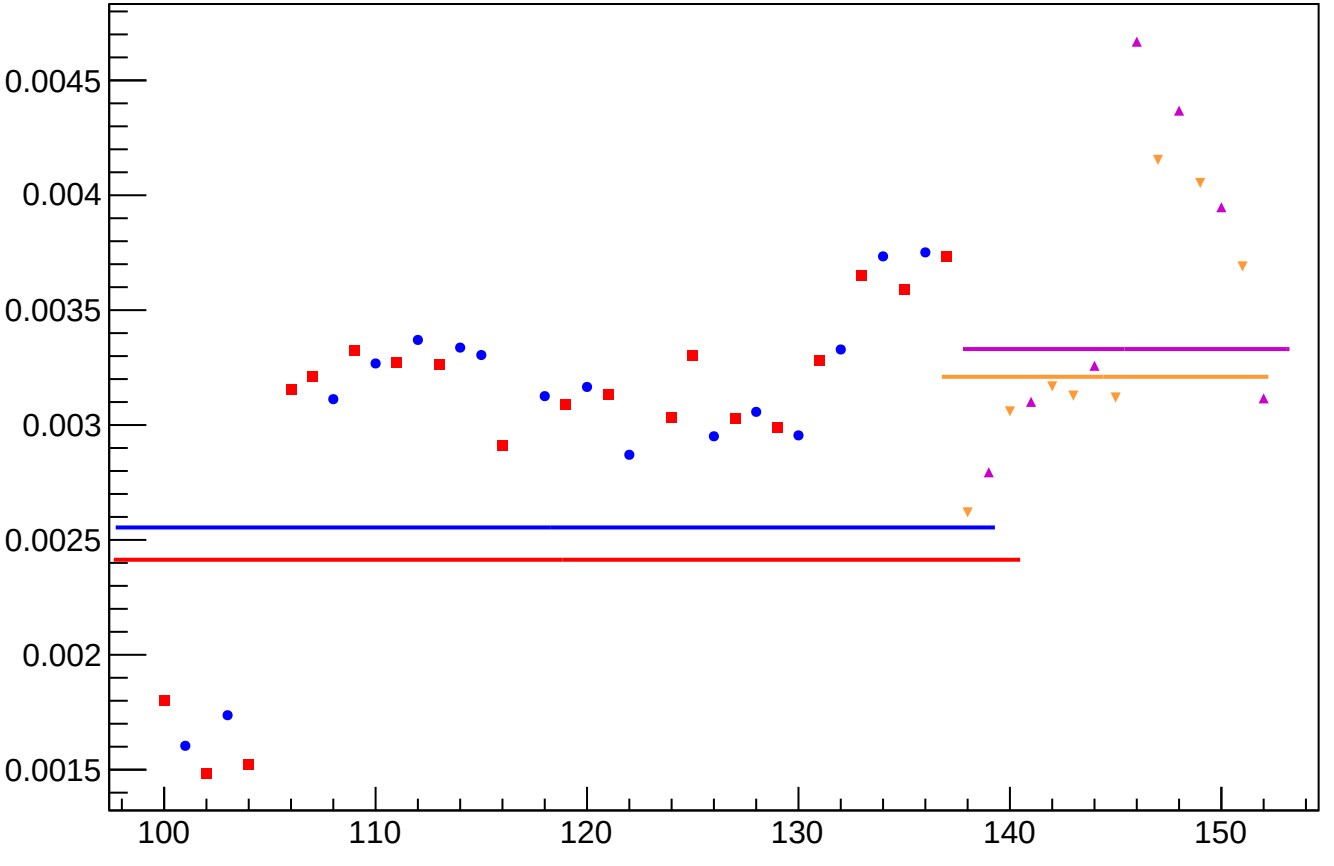
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -1.591+/-0.000 χ^2/NDF:279400890275.8/22

Out: -1.617+/-0.000 χ^2/NDF:205736106154.3/26

All: -1.605+/-0.000 χ^2/NDF: 485655946308.4

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:278712.2/6

Left: 0.003+/-0.000 χ^2/NDF: 510047.9/14

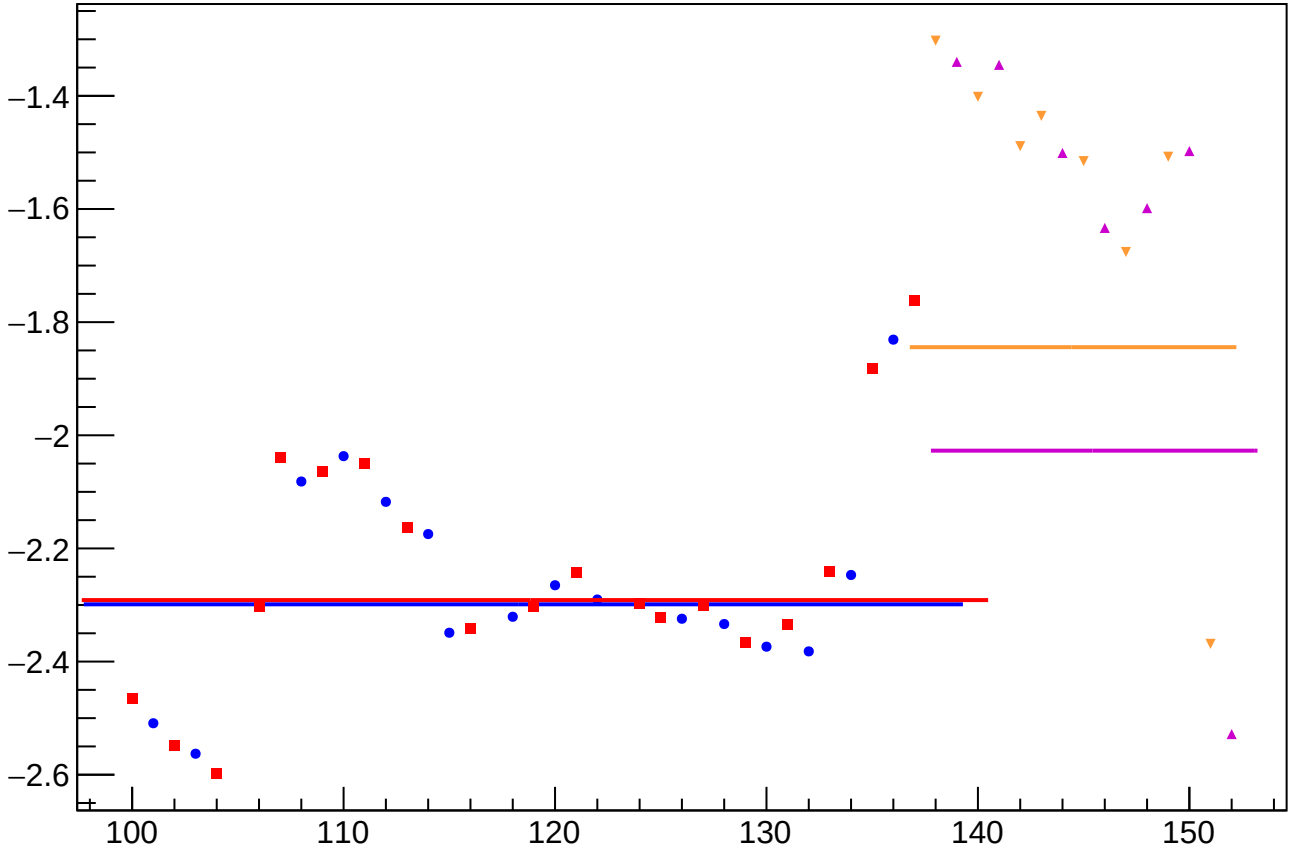
Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.003+/-0.000 χ^2/NDF:1820661.5/22

Out: 0.003+/-0.000 χ^2/NDF:2196226.2/26

All: 0.003+/-0.000 χ^2/NDF: 4042992.2/49

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.844+/-0.000 χ^2/NDF:23254075671.1/7

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -2.027+/-0.000 χ^2/NDF:37287775235.2/6

Left: -1.942+/-0.000 χ^2/NDF: 62610721386.2/14

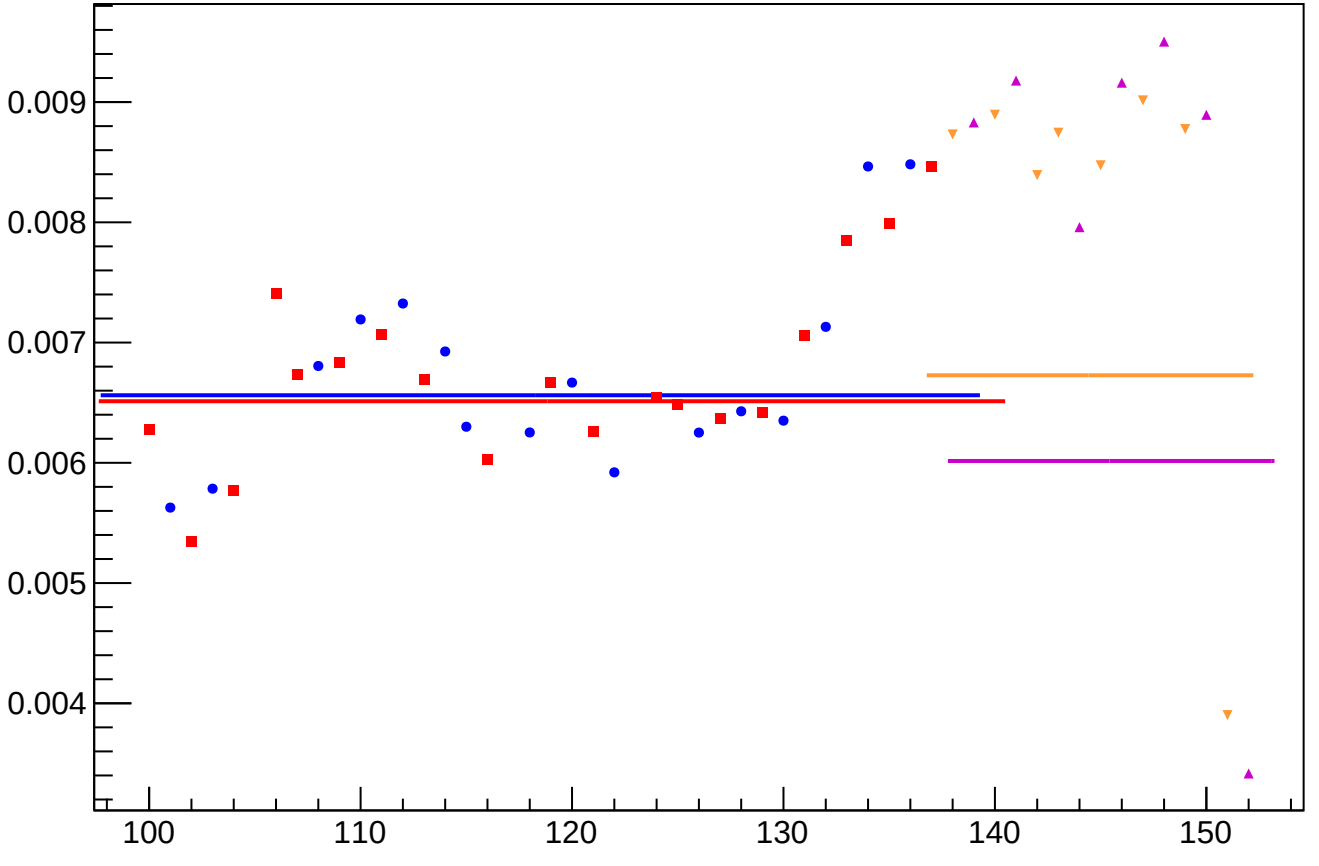
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -2.176+/-0.000 χ^2/NDF:48796682530.4/22

Out: -2.109+/-0.000 χ^2/NDF:43722282415.9/26

All: -2.143+/-0.000 χ^2/NDF: 93154859769.0/

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: 0.006+/-0.000 χ^2/NDF:1999632.9/6

Left: 0.006+/-0.000 χ^2/NDF: 3372789.8/14

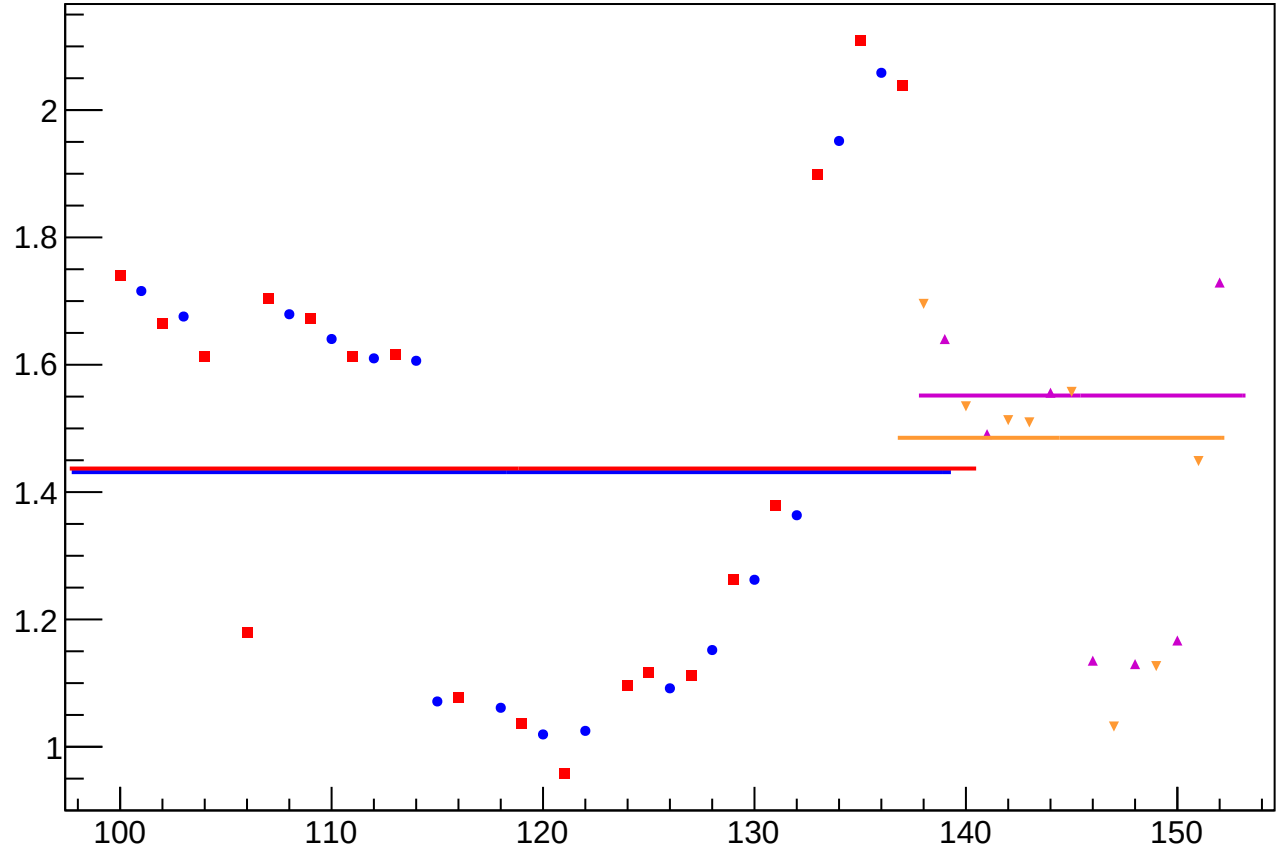
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.006+/-0.000 χ^2/NDF:2265098.3/22

Out: 0.007+/-0.000 χ^2/NDF:1501682.8/26

All: 0.006+/-0.000 χ^2/NDF: 3790388.6/49

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: 1.552+/-0.000 χ^2/NDF:9833522764.1/6

Left: 1.519+/-0.000 χ^2/NDF: 16887939006.5/14

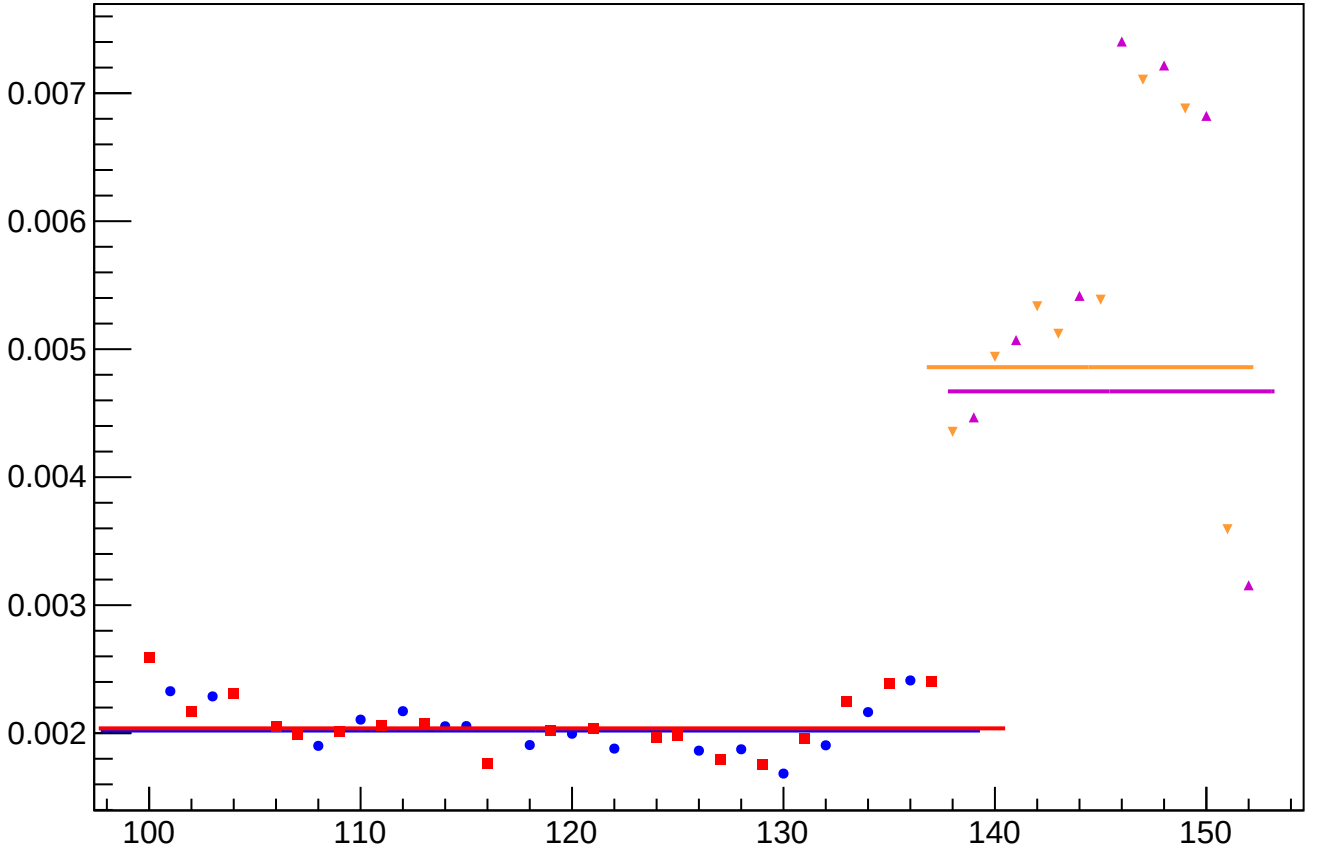
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.446+/-0.000 χ^2/NDF:201917890608.2/22

Out: 1.443+/-0.000 χ^2/NDF:189032821901.5/26

All: 1.445+/-0.000 χ^2/NDF: 390961236688.9

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:461668.4/7

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.005+/-0.000 χ^2/NDF:923947.9/6

Left: 0.005+/-0.000 χ^2/NDF: 1393688.3/14

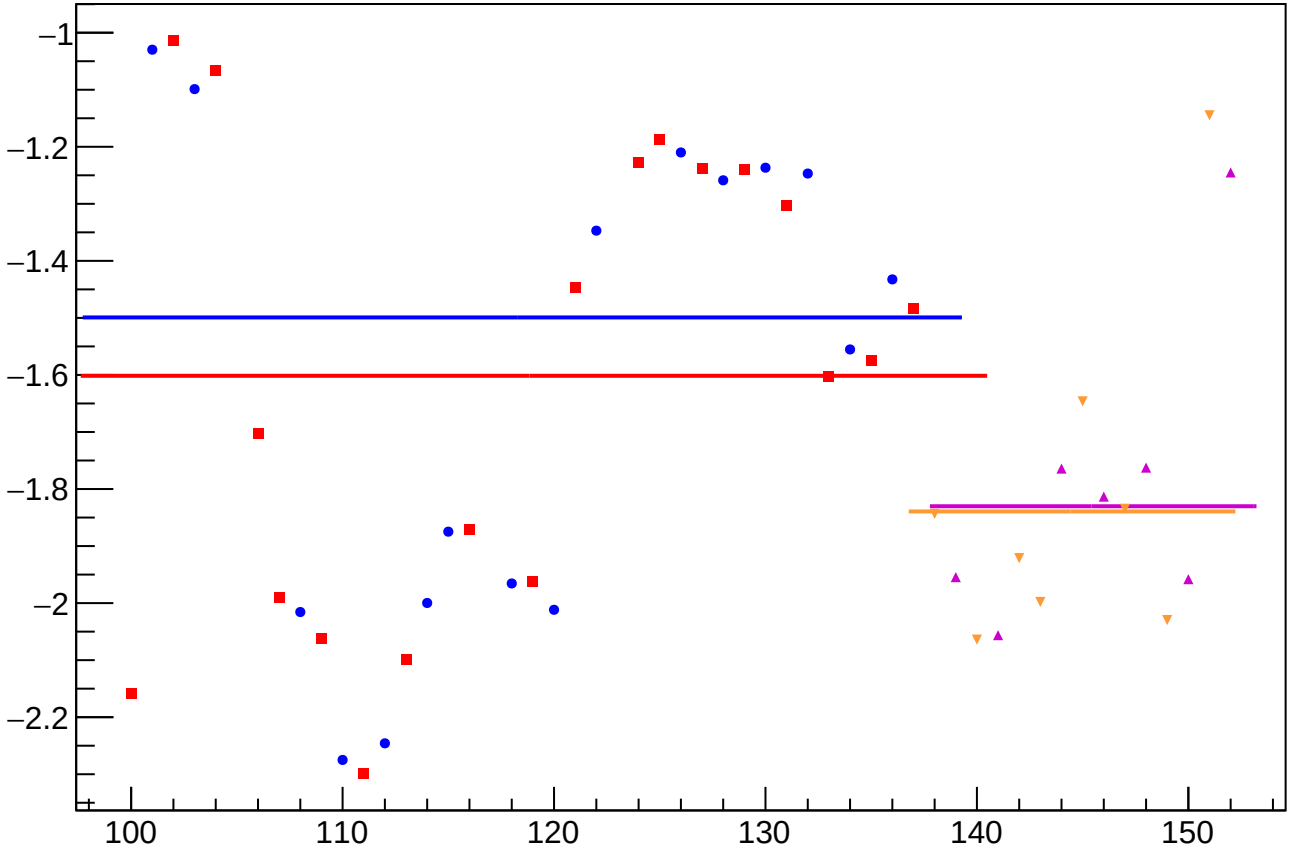
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.002+/-0.000 χ^2/NDF:3895243.7/22

Out: 0.002+/-0.000 χ^2/NDF:3697414.7/26

All: 0.002+/-0.000 χ^2/NDF: 7594225.6/49

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: -1.830+/-0.000 χ^2/NDF:7659255610.8/6

Left: -1.835+/-0.000 χ^2/NDF: 18921311033.4/14

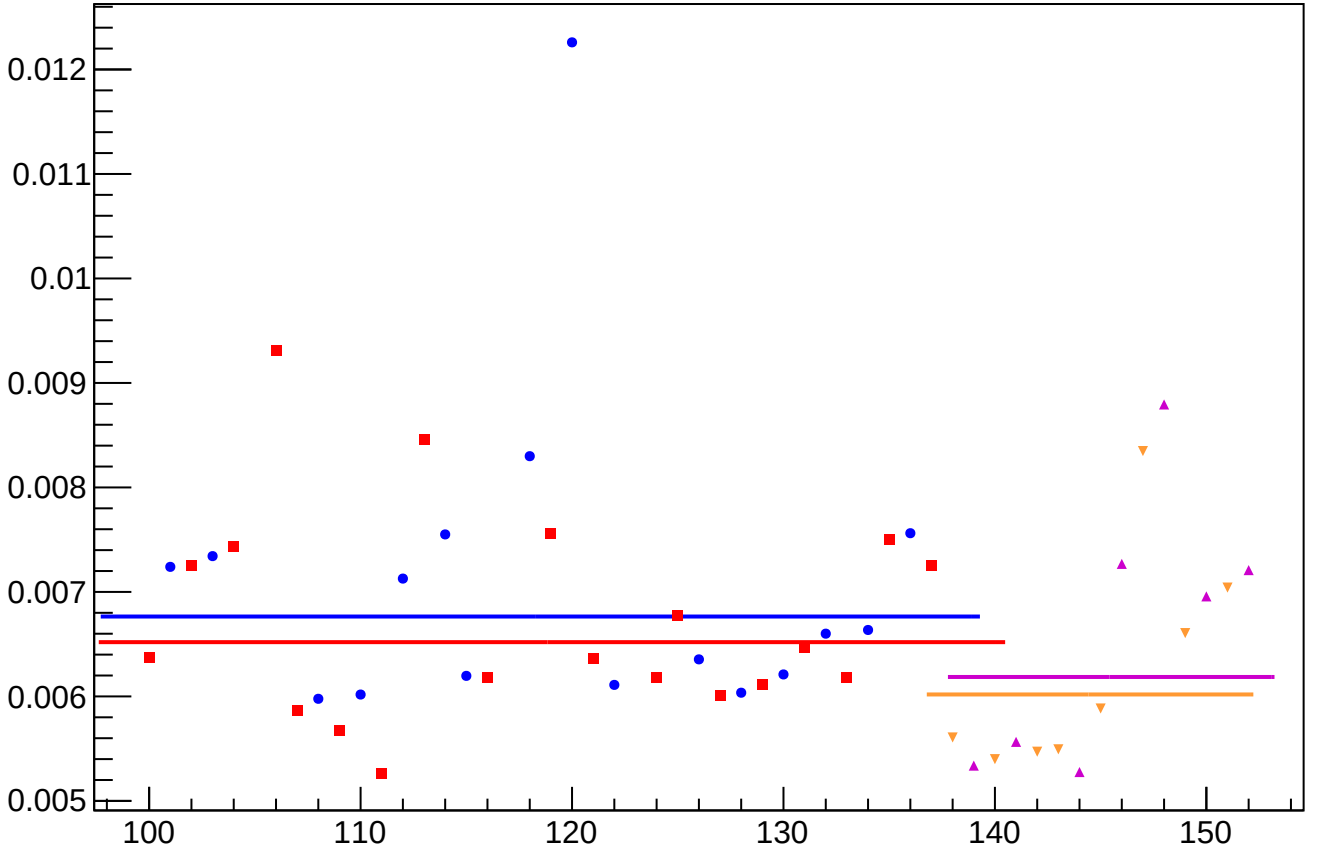
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.666+/-0.000 χ^2/NDF:38439797330.2/22

Out: -1.719+/-0.000 χ^2/NDF:44125192227.8/26

All: -1.694+/-0.000 χ^2/NDF: 82986942646.6/

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:332158.3/6

Left: 0.006+/-0.000 χ^2/NDF: 551987.6/14

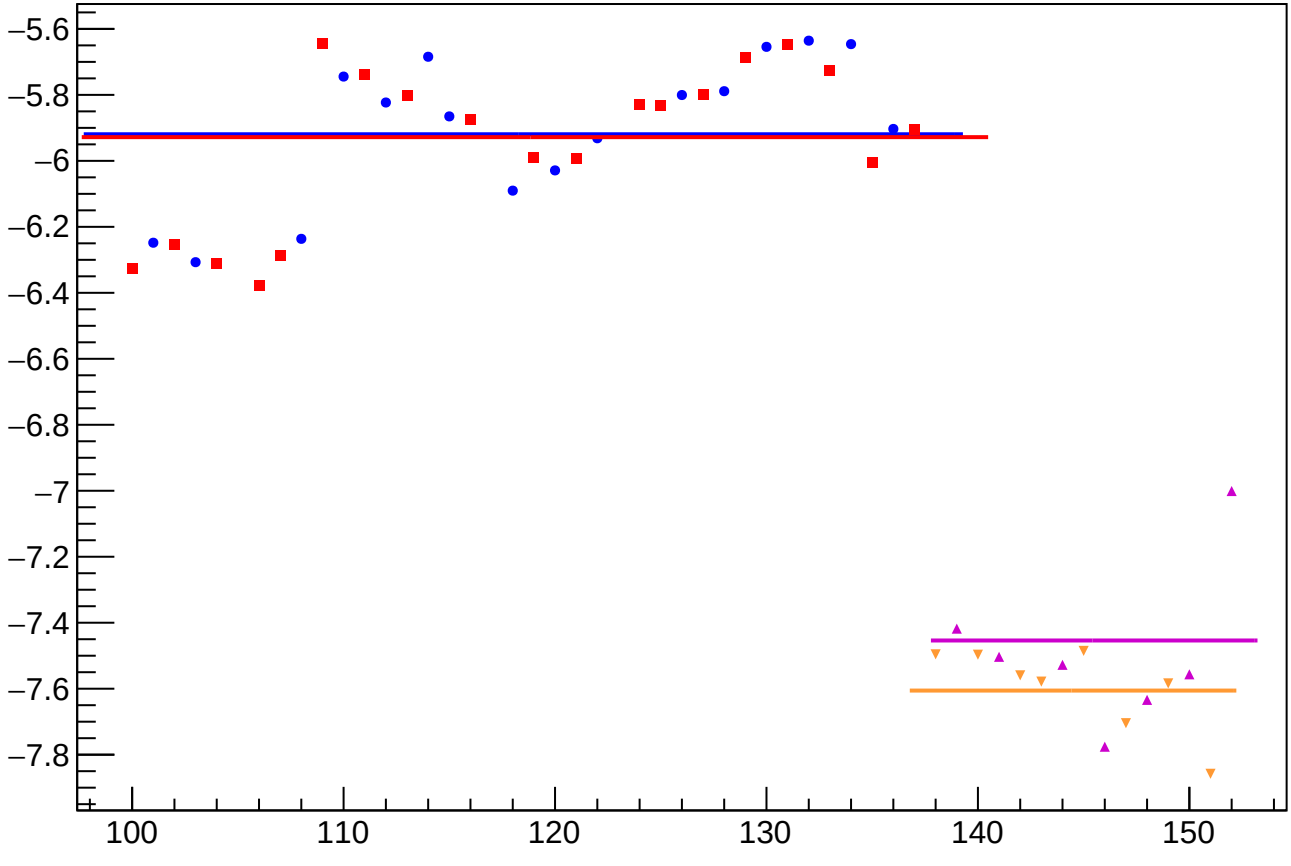
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.006+/-0.000 χ^2/NDF:618675.0/22

Out: 0.006+/-0.000 χ^2/NDF:501291.1/26

All: 0.006+/-0.000 χ^2/NDF: 1132180.6/49

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: -7.454+/-0.000 χ^2/NDF:3053897269.1/6

Left: -7.530+/-0.000 χ^2/NDF: 4427810361.9/14

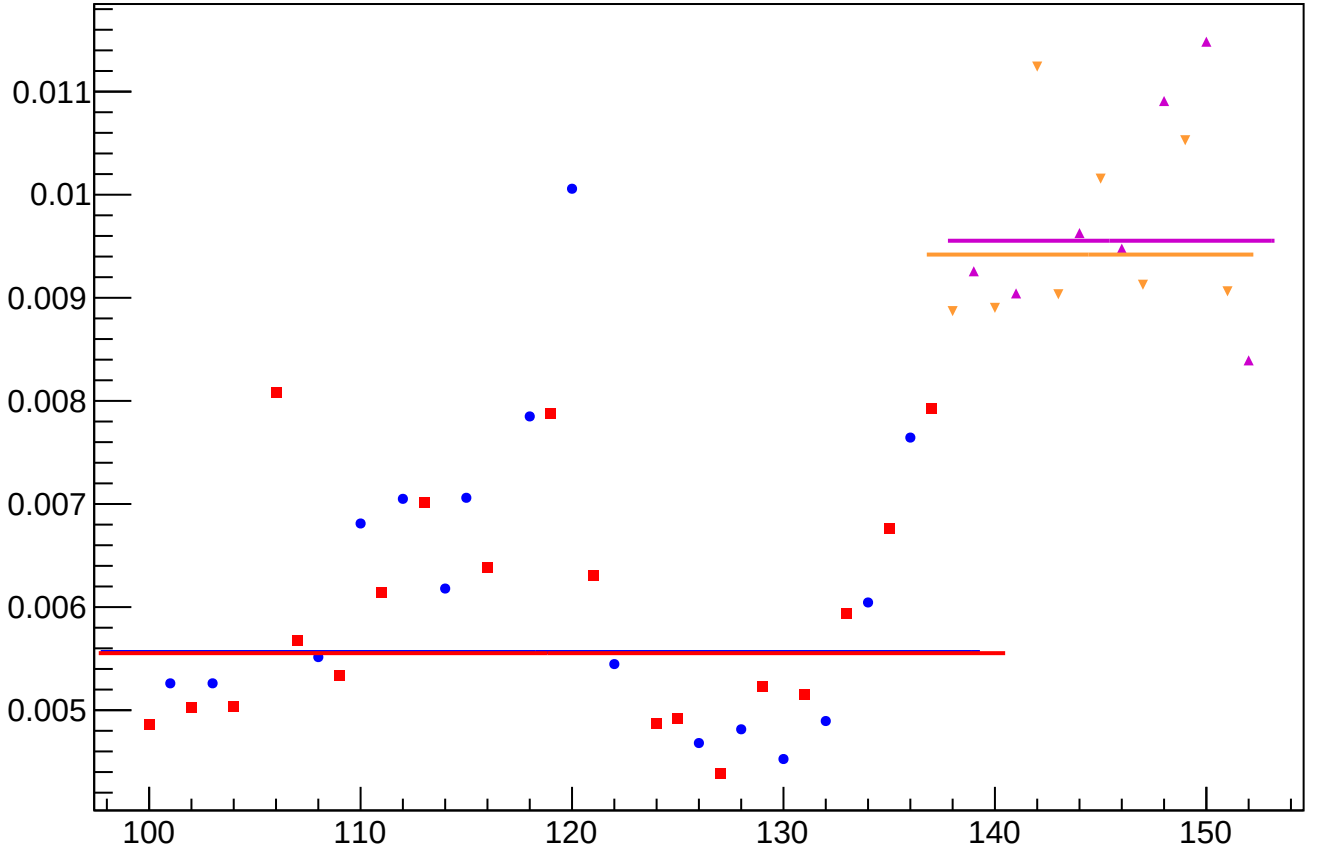
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.222+/-0.000 χ^2/NDF:106938953125.0/22

Out: -6.244+/-0.000 χ^2/NDF:124929671524.2/26

All: -6.233+/-0.000 χ^2/NDF: 231925044119.5

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:49021.7/7

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:89503.9/6

Left: 0.009+/-0.000 χ^2/NDF: 139402.6/14

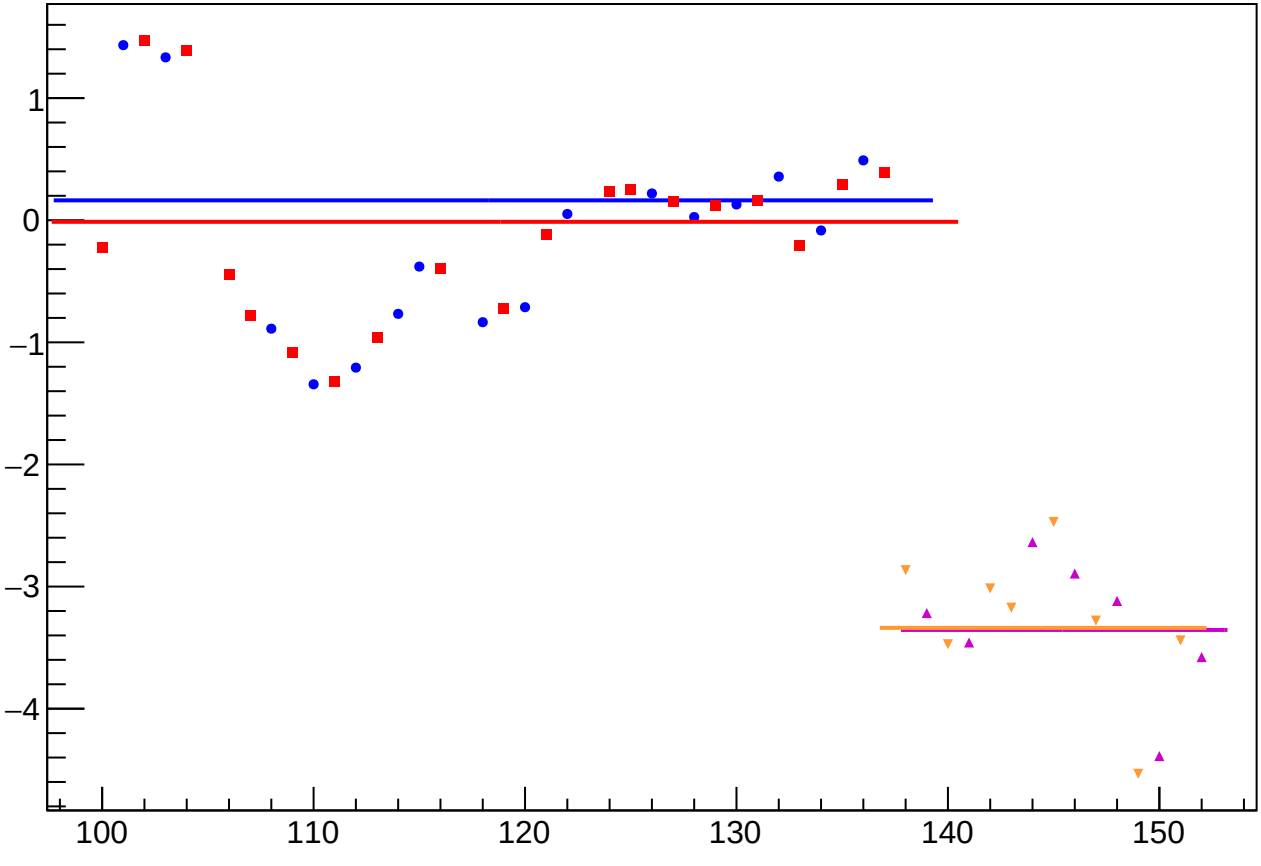
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.006+/-0.000 χ^2/NDF:1830533.4/22

Out: 0.006+/-0.000 χ^2/NDF:1597776.3/26

All: 0.006+/-0.000 χ^2/NDF: 3429620.2/49

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: -3.355+/-0.000 χ^2/NDF:4673989020.9/6

Left: -3.346+/-0.000 χ^2/NDF: 10873334966.0/14

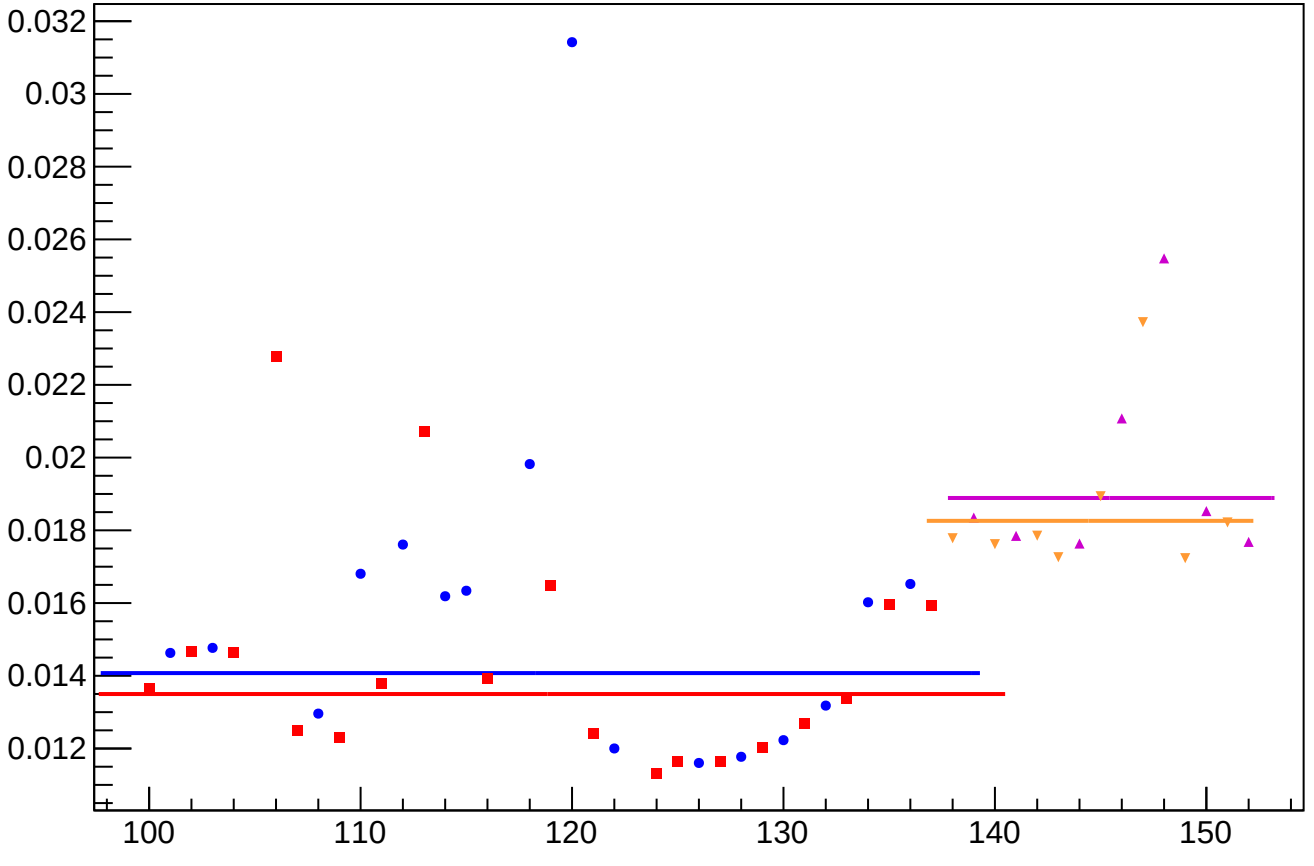
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.003+/-0.000 χ^2/NDF:153148677668.8/22

Out: -1.063+/-0.000 χ^2/NDF:158501625474.0/26

All: -1.035+/-0.000 χ^2/NDF: 311742085940.2

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:141467.1/6

Left: 0.019+/-0.000 χ^2/NDF: 243643.4/14

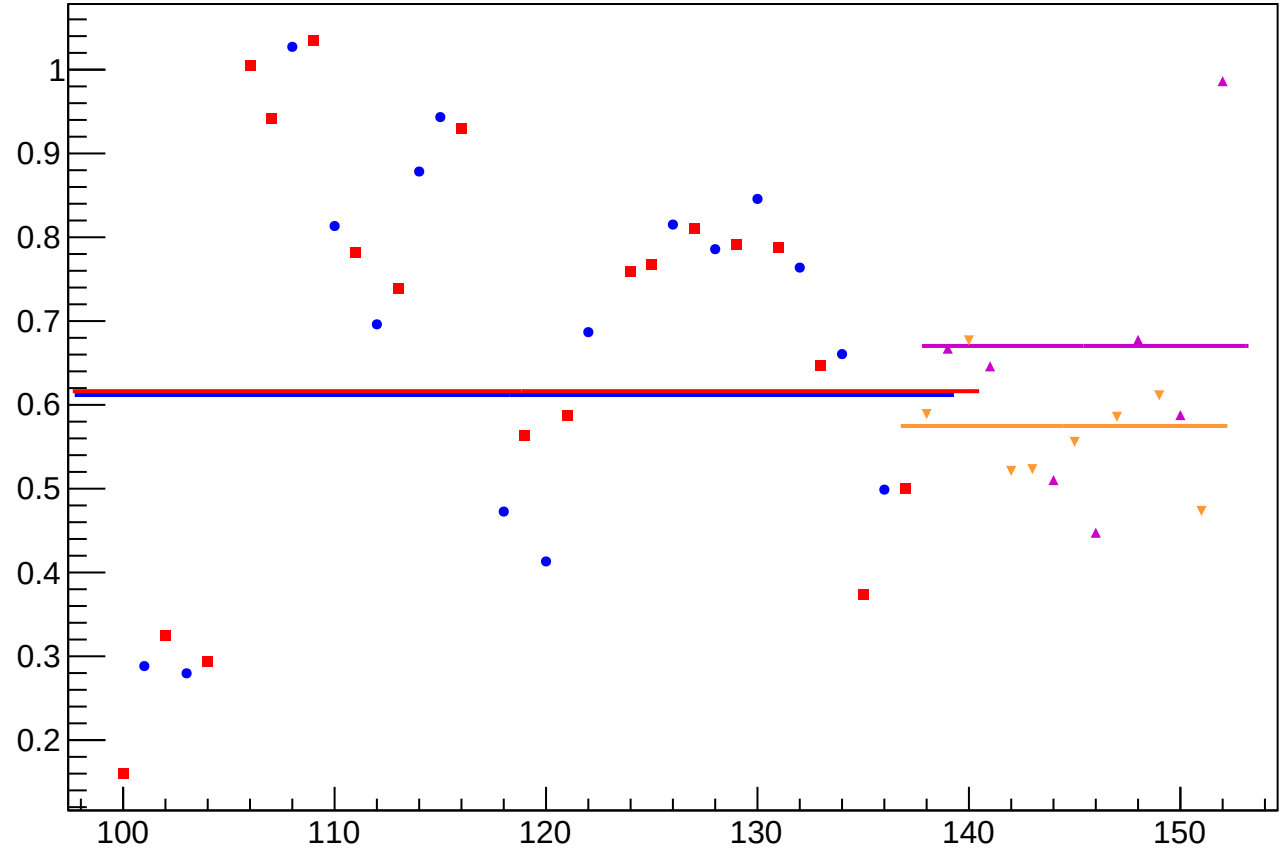
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1095991.0/22

Out: 0.015+/-0.000 χ^2/NDF:943089.5/26

All: 0.015+/-0.000 χ^2/NDF: 2061676.3/49

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: 0.670+/-0.000 χ^2/NDF:2261558204.6/6

Left: 0.623+/-0.000 χ^2/NDF: 2873986397.8/14

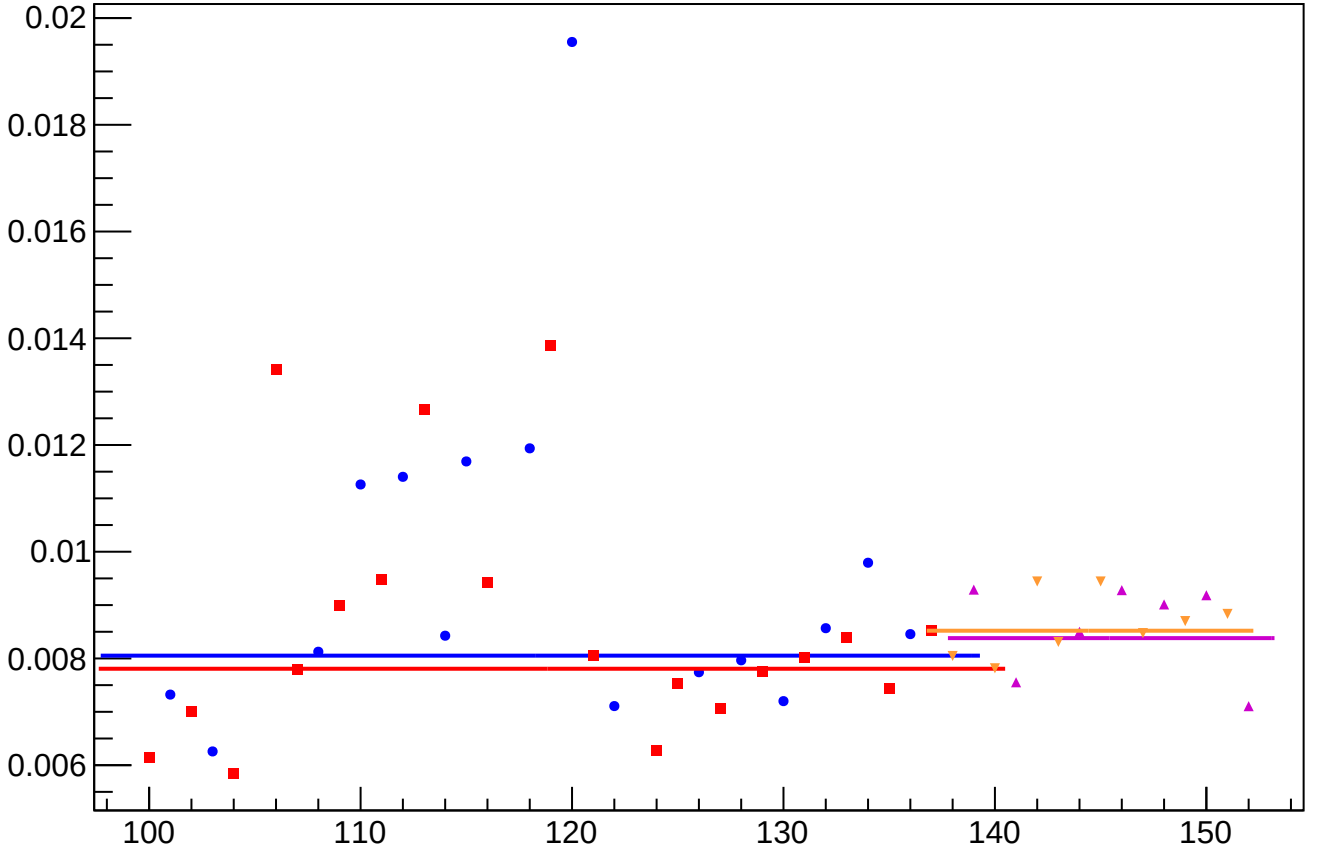
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.638+/-0.000 χ^2/NDF:8043905407.8/22

Out: 0.599+/-0.000 χ^2/NDF:6770019211.6/26

All: 0.618+/-0.000 χ^2/NDF: 14940872420.4/4

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: 0.008+/-0.000 χ^2/NDF:115003.4/6

Left: 0.008+/-0.000 χ^2/NDF: 155987.8/14

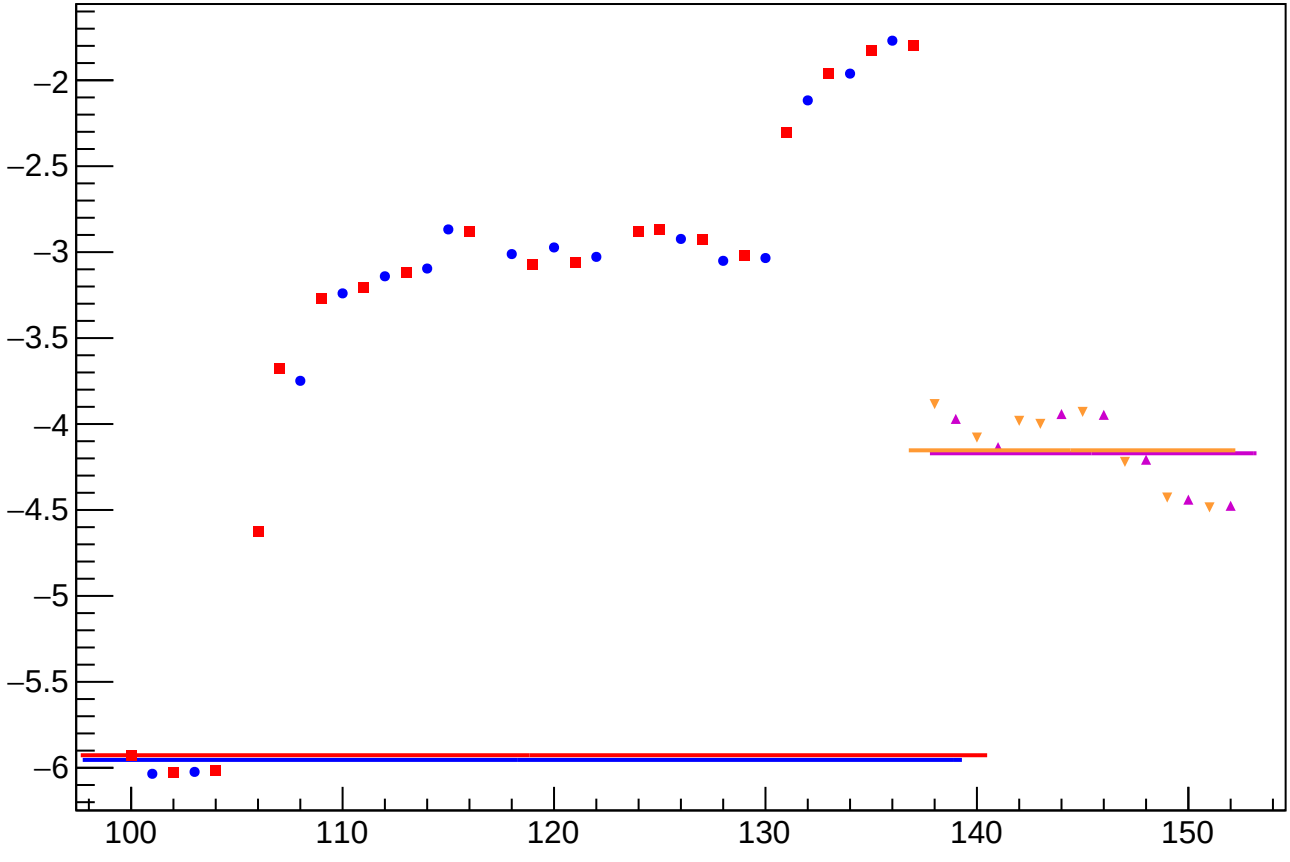
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:722332.0/22

Out: 0.008+/-0.000 χ^2/NDF:670254.1/26

All: 0.008+/-0.000 χ^2/NDF: 1394343.4/49

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: -4.170+/-0.000 χ^2/NDF:35361879.8/6

Left: -4.163+/-0.000 χ^2/NDF: 84840356.6/14

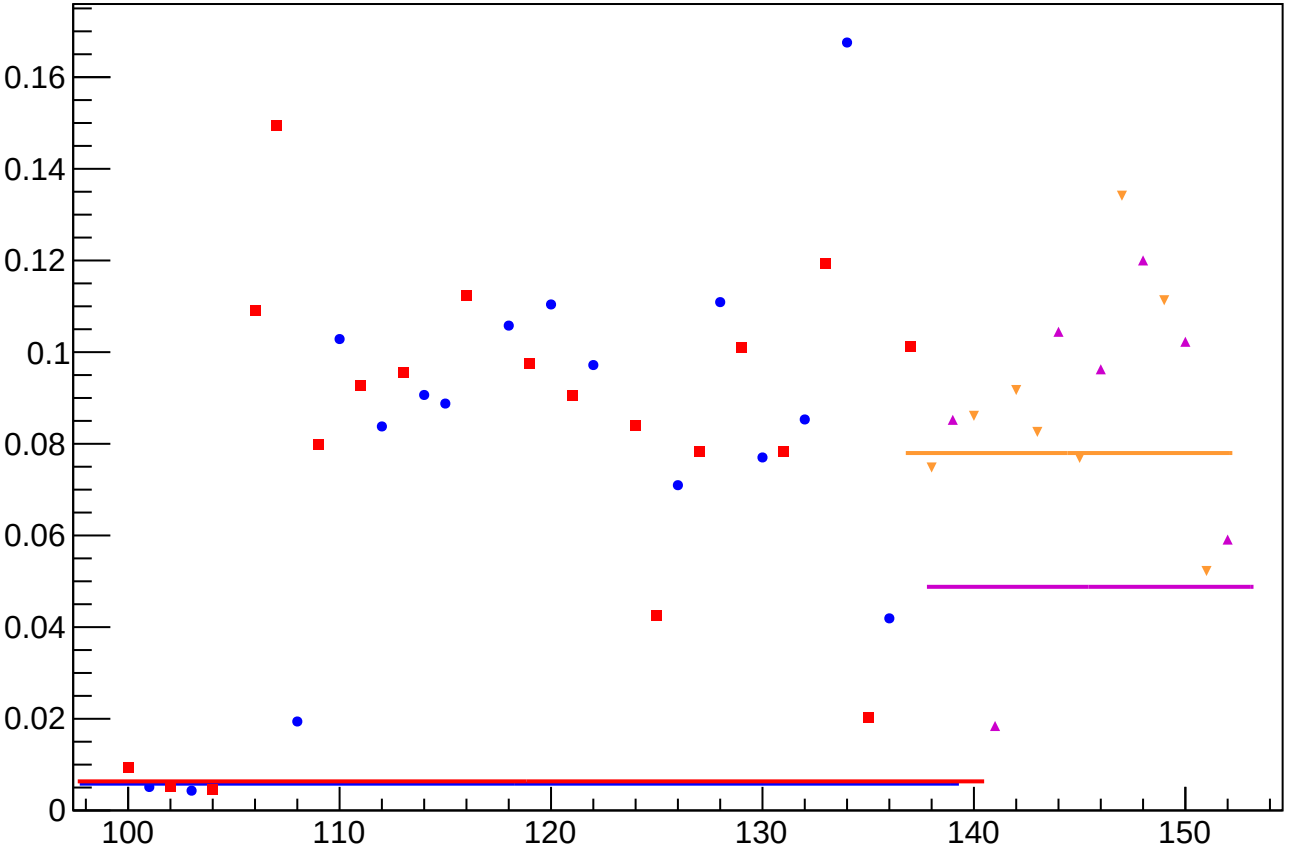
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.912+/-0.000 χ^2/NDF:16982824695.3/22

Out: -5.893+/-0.000 χ^2/NDF:16545598265.4/26

All: -5.903+/-0.000 χ^2/NDF: 33537562505.3/

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: 0.049+/-0.000 χ^2/NDF:3287260.4/6

Left: 0.061+/-0.000 χ^2/NDF: 4857726.1/14

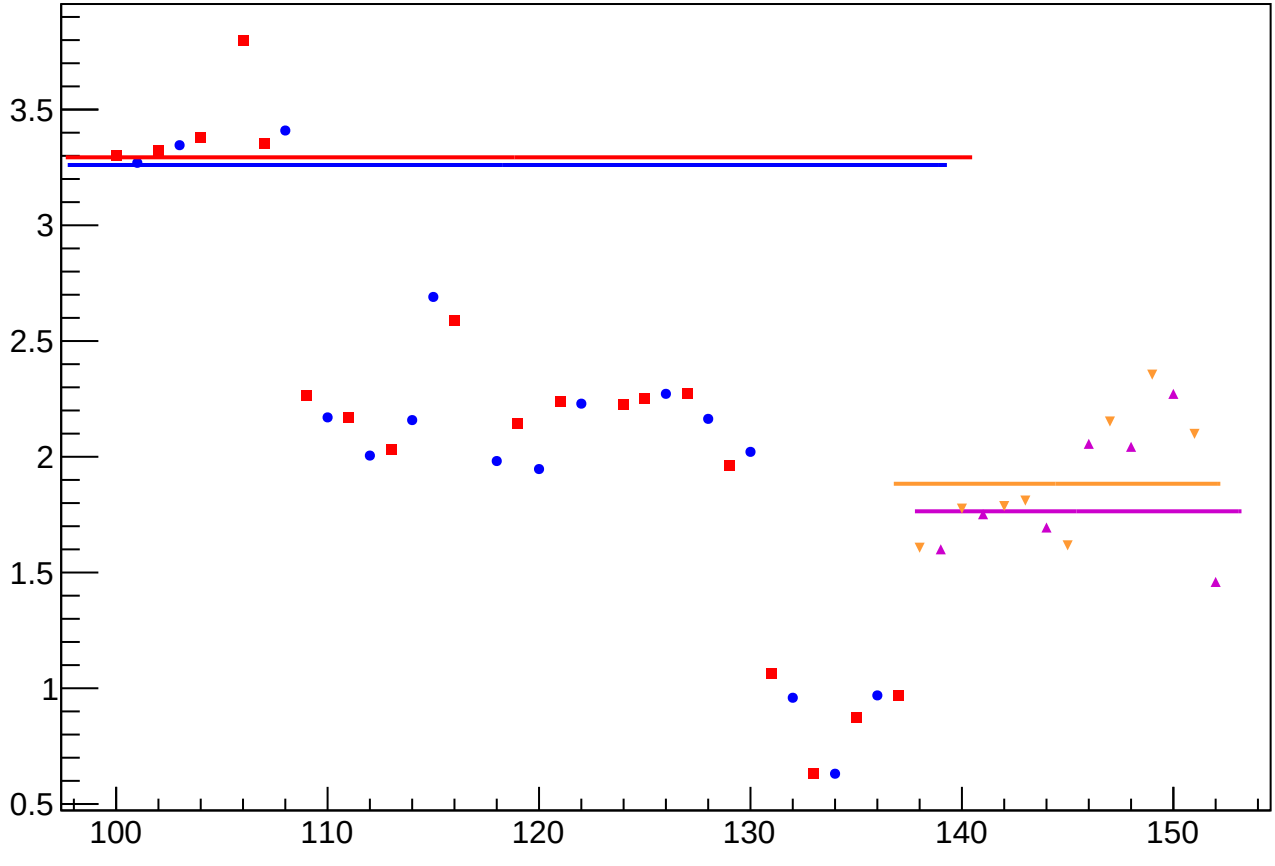
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.007+/-0.000 χ^2/NDF:16449432.2/22

Out: 0.008+/-0.000 χ^2/NDF:17867596.9/26

All: 0.007+/-0.000 χ^2/NDF: 34353622.2/49

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: 1.764+/-0.000 χ^2/NDF:43395060.9/6

Left: 1.823+/-0.000 χ^2/NDF: 89338441.5/14

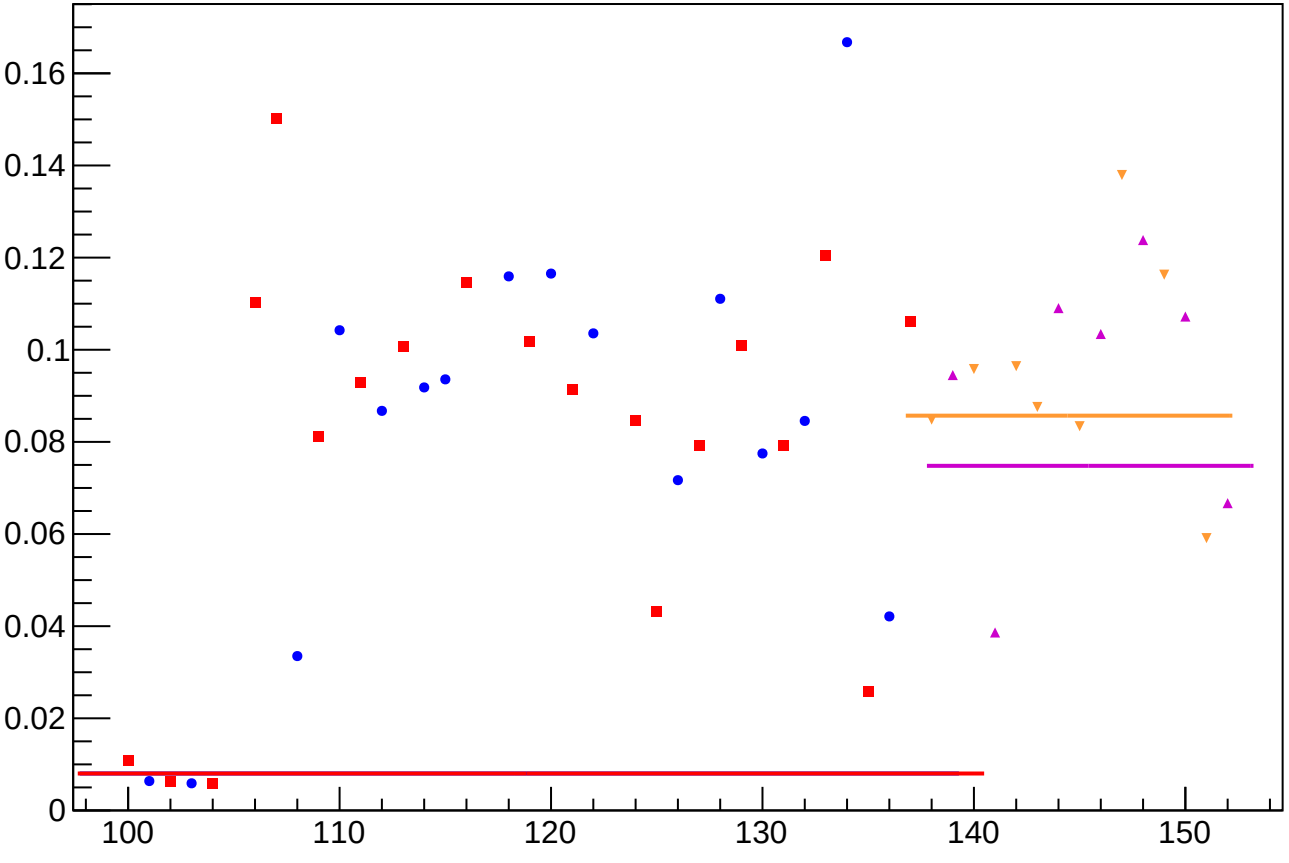
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.226+/-0.000 χ^2/NDF:4661688145.4/22

Out: 3.260+/-0.000 χ^2/NDF:4658525217.6/26

All: 3.243+/-0.000 χ^2/NDF: 9338589574.6/49

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: 0.075+/-0.000 χ^2/NDF:1379055.7/6

Left: 0.080+/-0.000 χ^2/NDF: 2059127.8/14

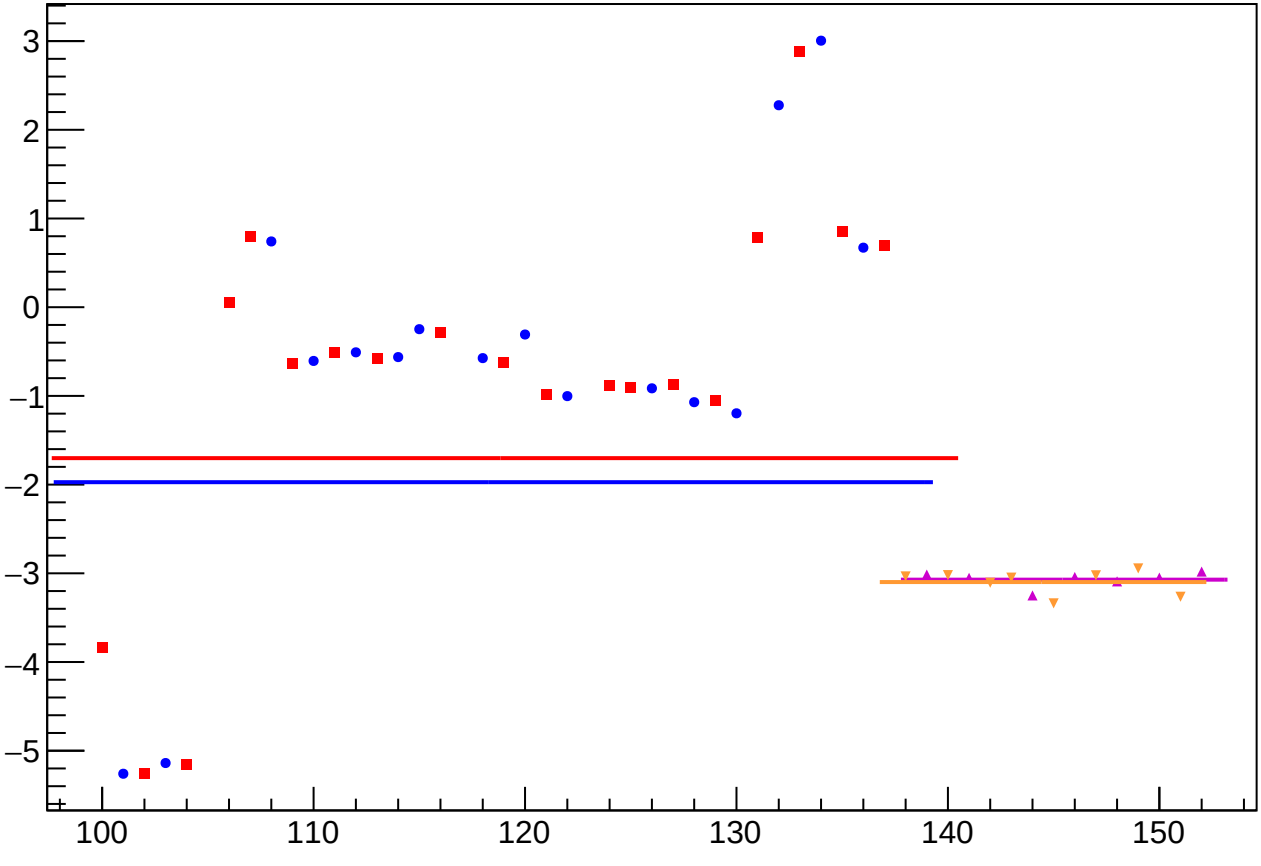
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.010+/-0.000 χ^2/NDF:16205690.5/22

Out: 0.010+/-0.000 χ^2/NDF:17473290.4/26

All: 0.010+/-0.000 χ^2/NDF: 33681460.9/49

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: -3.072+/-0.000 χ^2/NDF:643434726.4/6

Left: -3.085+/-0.000 χ^2/NDF: 2208494800.5/14

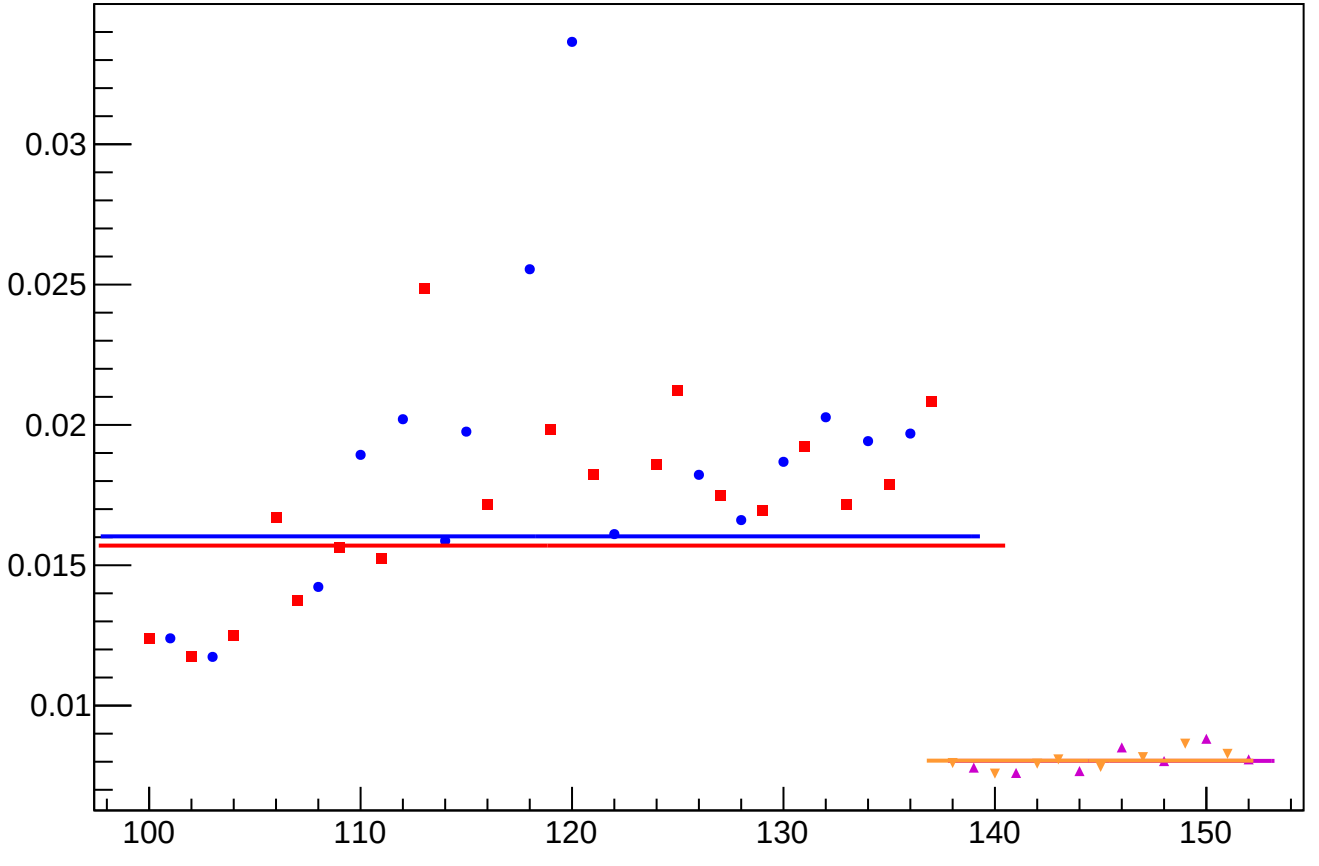
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.852+/-0.000 χ^2/NDF:184514973331.4/22

Out: -2.791+/-0.000 χ^2/NDF:209000309290.0/26

All: -2.821+/-0.000 χ^2/NDF: 393731963173.9

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:17291.8/7

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:30212.2/6

Left: 0.008+/-0.000 χ^2/NDF: 47511.4/14

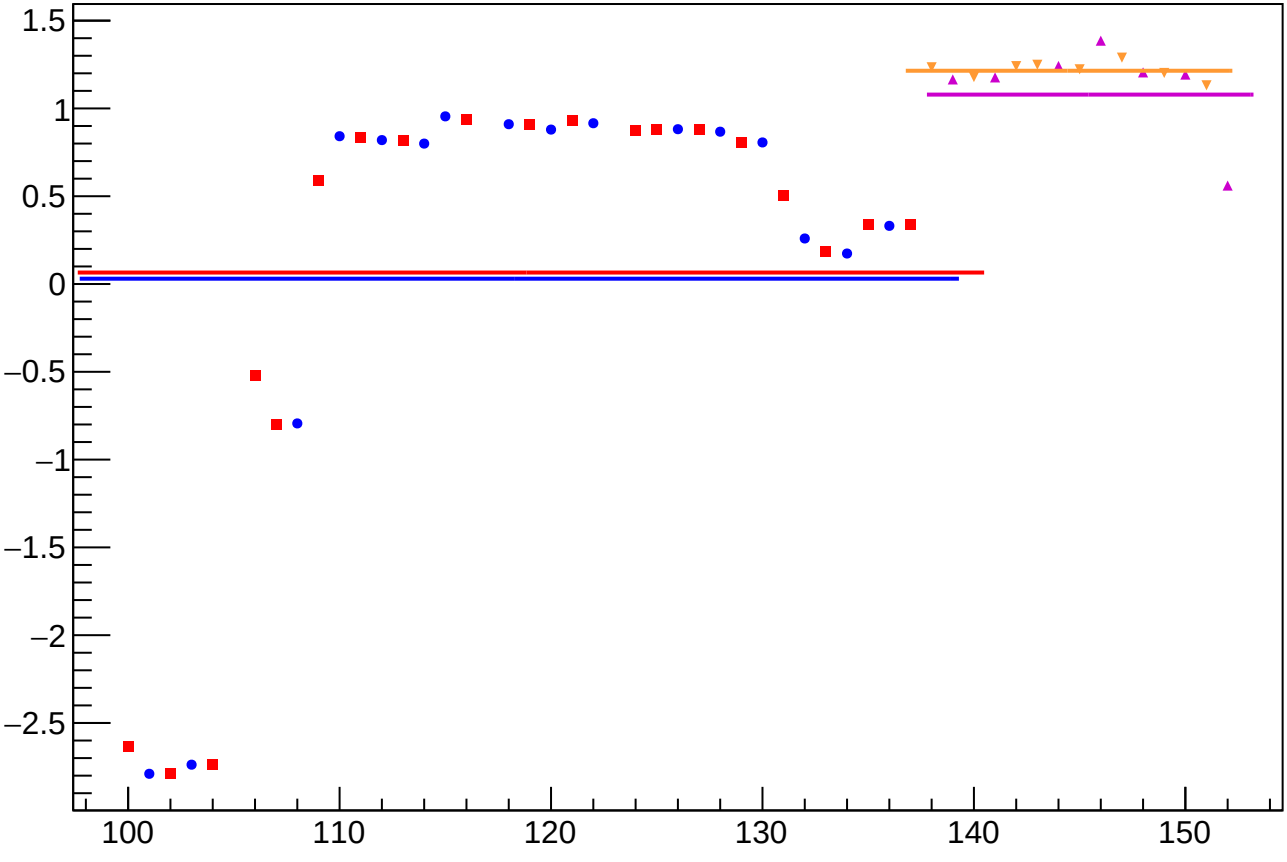
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.010+/-0.000 χ^2/NDF:3086954.9/22

Out: 0.010+/-0.000 χ^2/NDF:2887186.8/26

All: 0.010+/-0.000 χ^2/NDF: 5975284.4/49

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: 1.079+/-0.000 χ^2/NDF:6727340053.7/6

Left: 1.146+/-0.000 χ^2/NDF: 7668754860.5/14

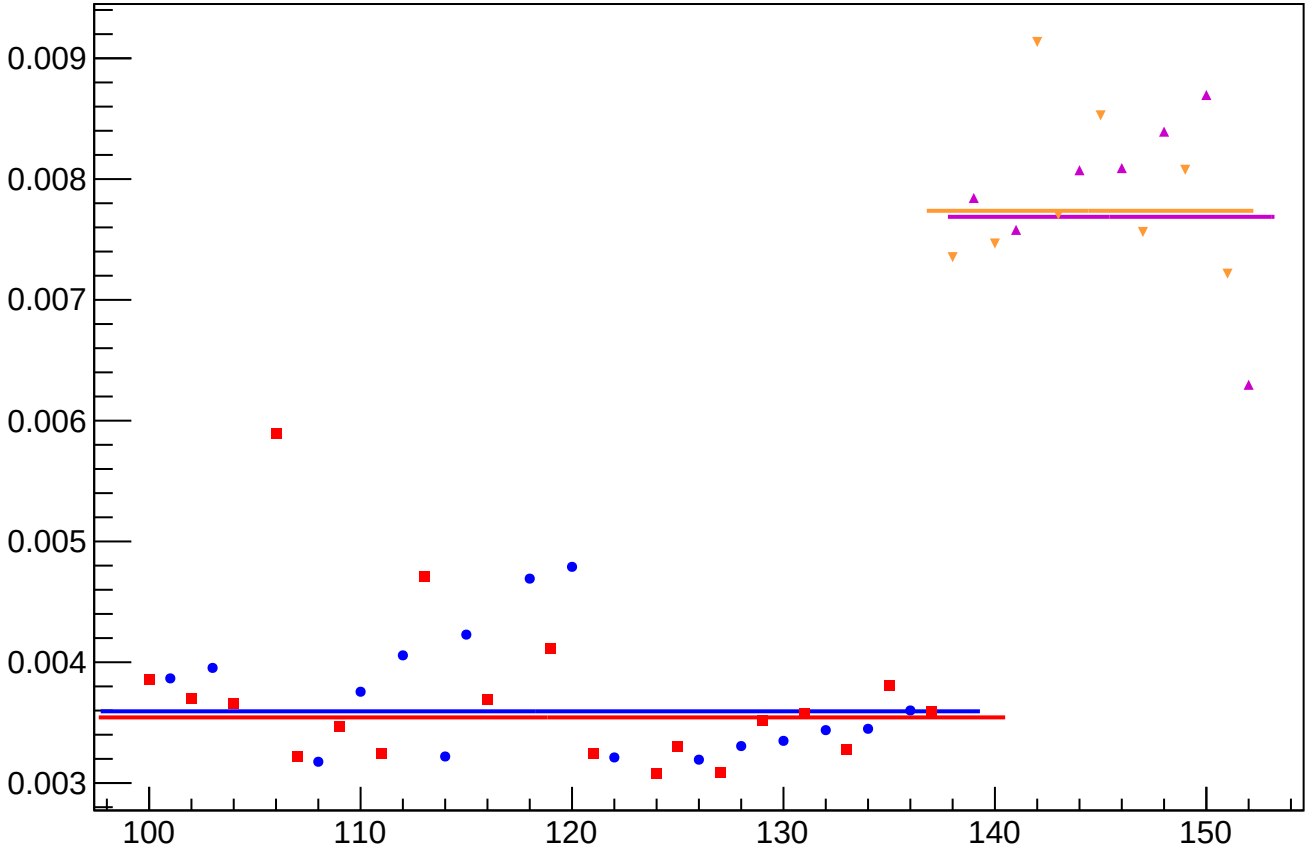
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.174+/-0.000 χ^2/NDF:936932997347.7/22

Out: 0.210+/-0.000 χ^2/NDF:1028594281867.5/26

All: 0.192+/-0.000 χ^2/NDF: 1965925826087.

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:108293.6/6

Left: 0.008+/-0.000 χ^2/NDF: 151345.0/14

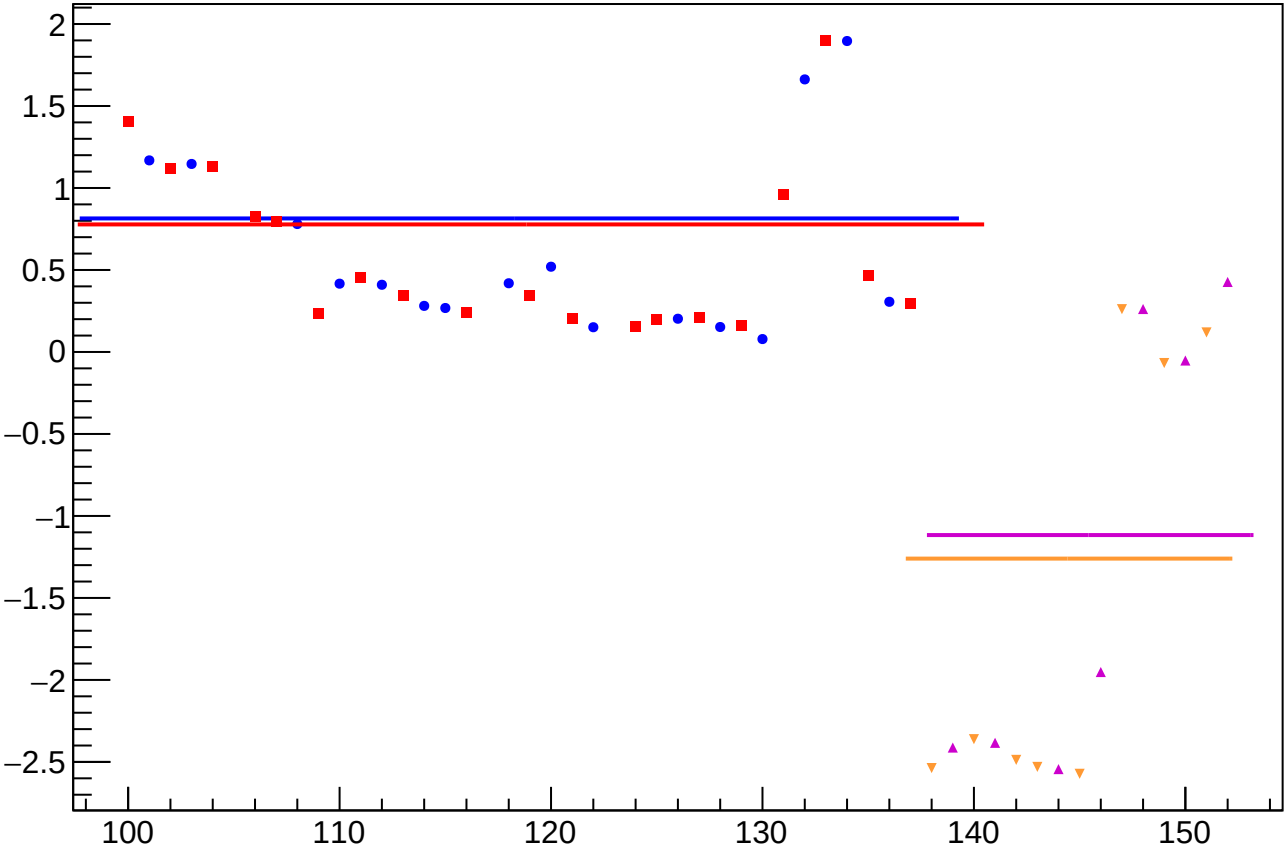
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:2682812.8/22

Out: 0.004+/-0.000 χ^2/NDF:2742566.4/26

All: 0.004+/-0.000 χ^2/NDF: 5429795.4/49

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: -1.117+/-0.000 χ^2/NDF:179926725270.2/6

Left: -1.188+/-0.000 χ^2/NDF: 367230367954.5/14

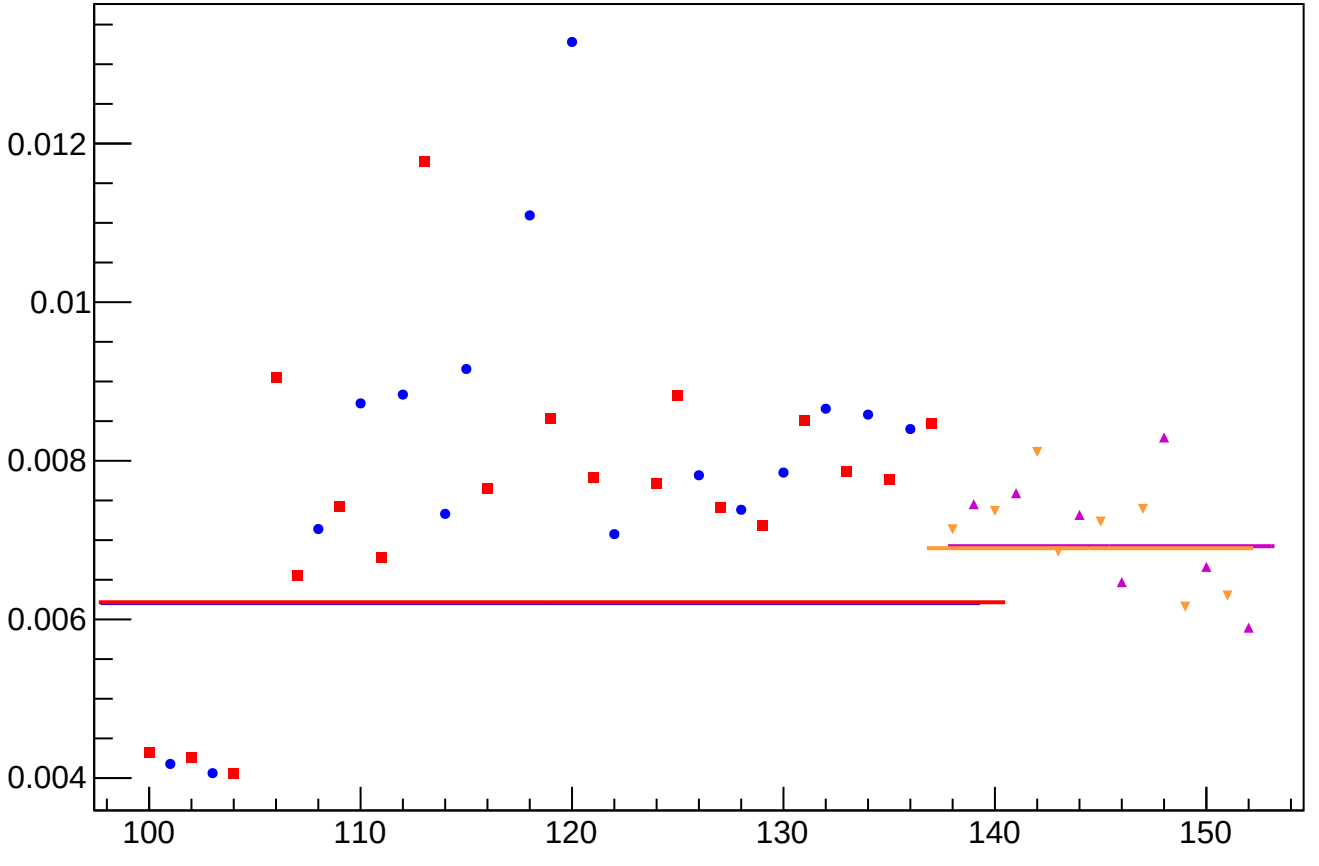
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: -0.024+/-0.000 χ^2/NDF:448827686161.1/22

Out: -0.070+/-0.000 χ^2/NDF:489377323413.7/26

All: -0.047+/-0.000 χ^2/NDF: 938485474488.5

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:68611.3/7

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:122730.8/6

Left: 0.007+/-0.000 χ^2/NDF: 191415.3/14

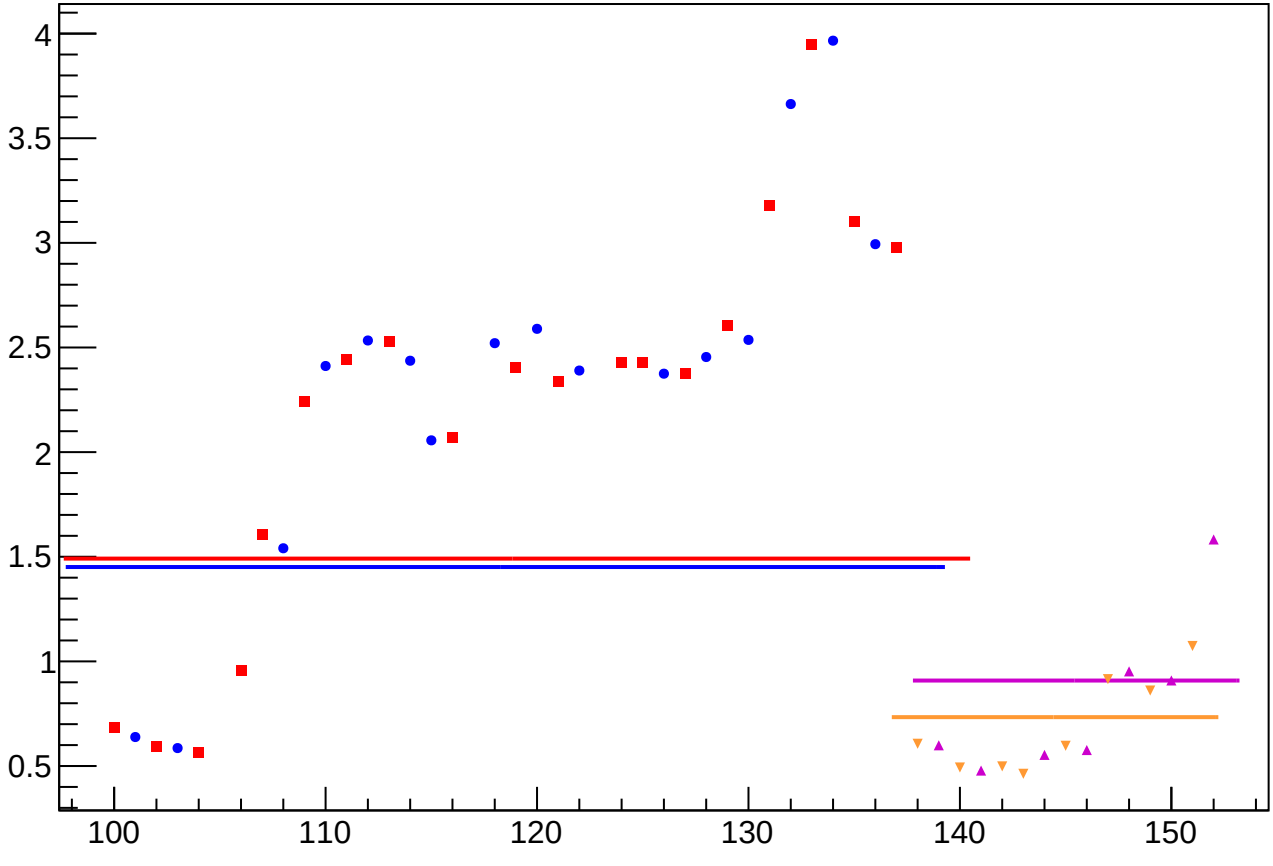
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.007+/-0.000 χ^2/NDF:1611082.0/22

Out: 0.006+/-0.000 χ^2/NDF:1289781.0/26

All: 0.007+/-0.000 χ^2/NDF: 2900943.1/49

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: 0.908+/-0.000 χ^2/NDF:21018876072.7/6

Left: 0.822+/-0.000 χ^2/NDF: 28369076232.6/14

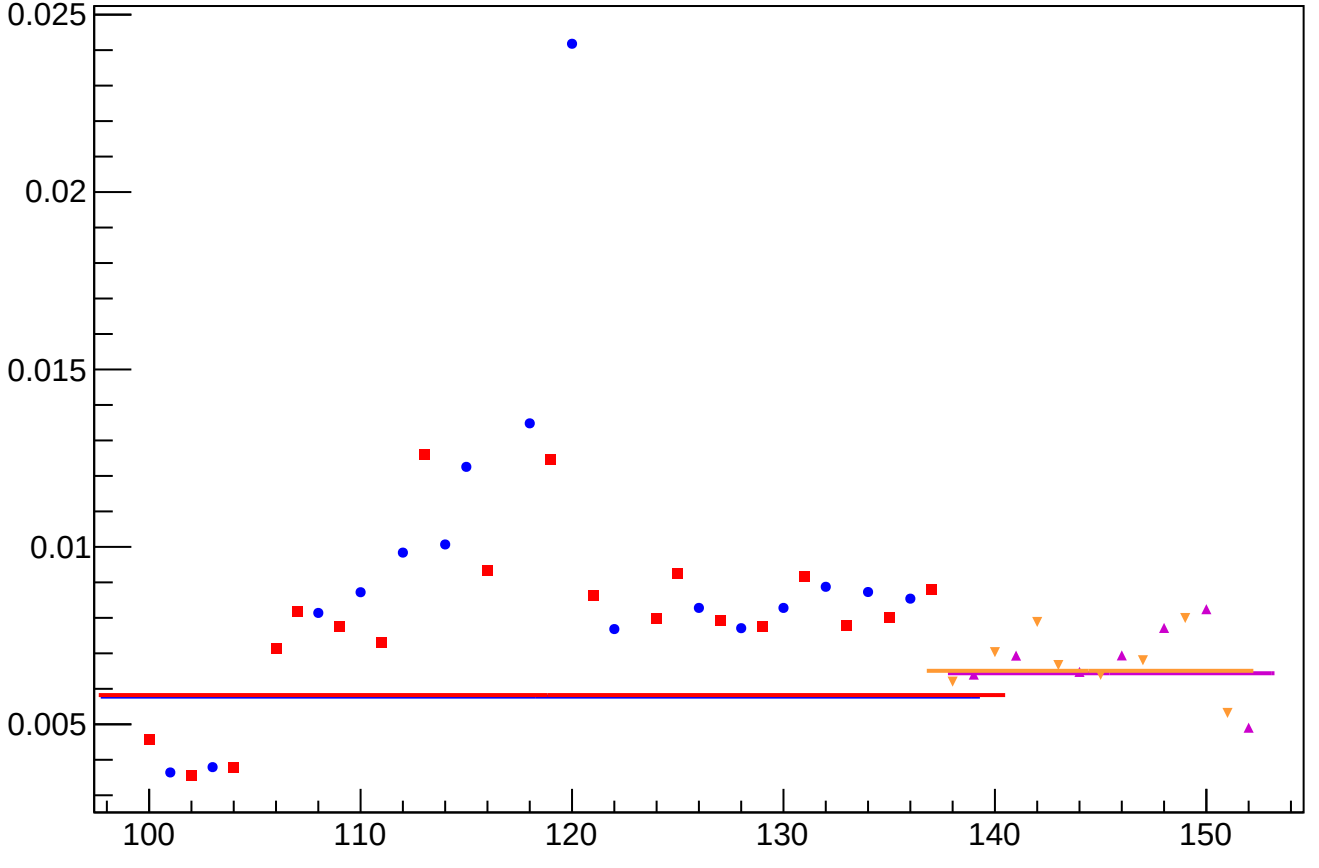
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.222+/-0.000 χ^2/NDF:209220937114.1/22

Out: 1.191+/-0.000 χ^2/NDF:229318765708.1/26

All: 1.207+/-0.000 χ^2/NDF: 438666841941.7

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: 0.006+/-0.000 χ^2/NDF:255436.5/6

Left: 0.006+/-0.000 χ^2/NDF: 396472.0/14

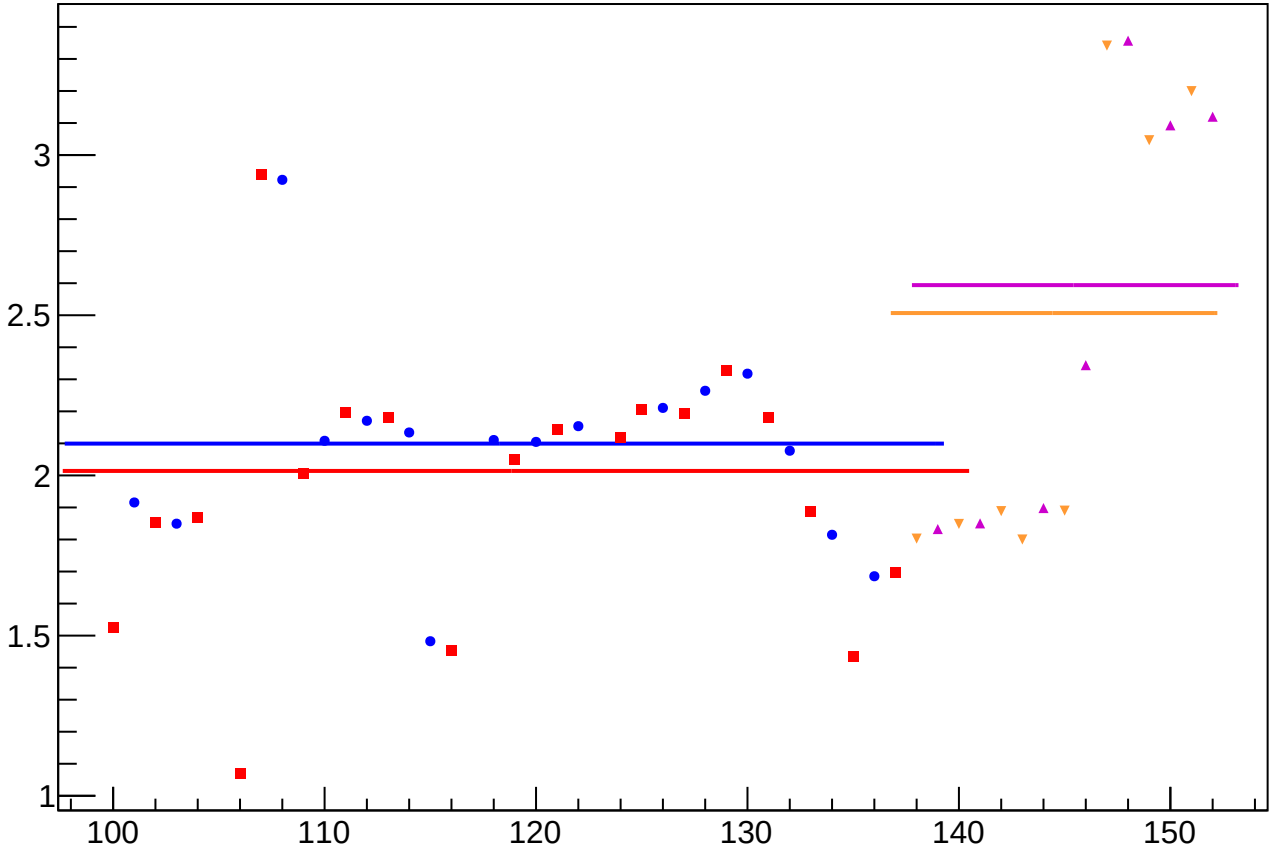
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2524013.4/22

Out: 0.006+/-0.000 χ^2/NDF:2156008.9/26

All: 0.006+/-0.000 χ^2/NDF: 4680376.1/49

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: 2.594+/-0.000 χ^2/NDF:32251731077.8/6

Left: 2.551+/-0.000 χ^2/NDF: 70794245383.2/14

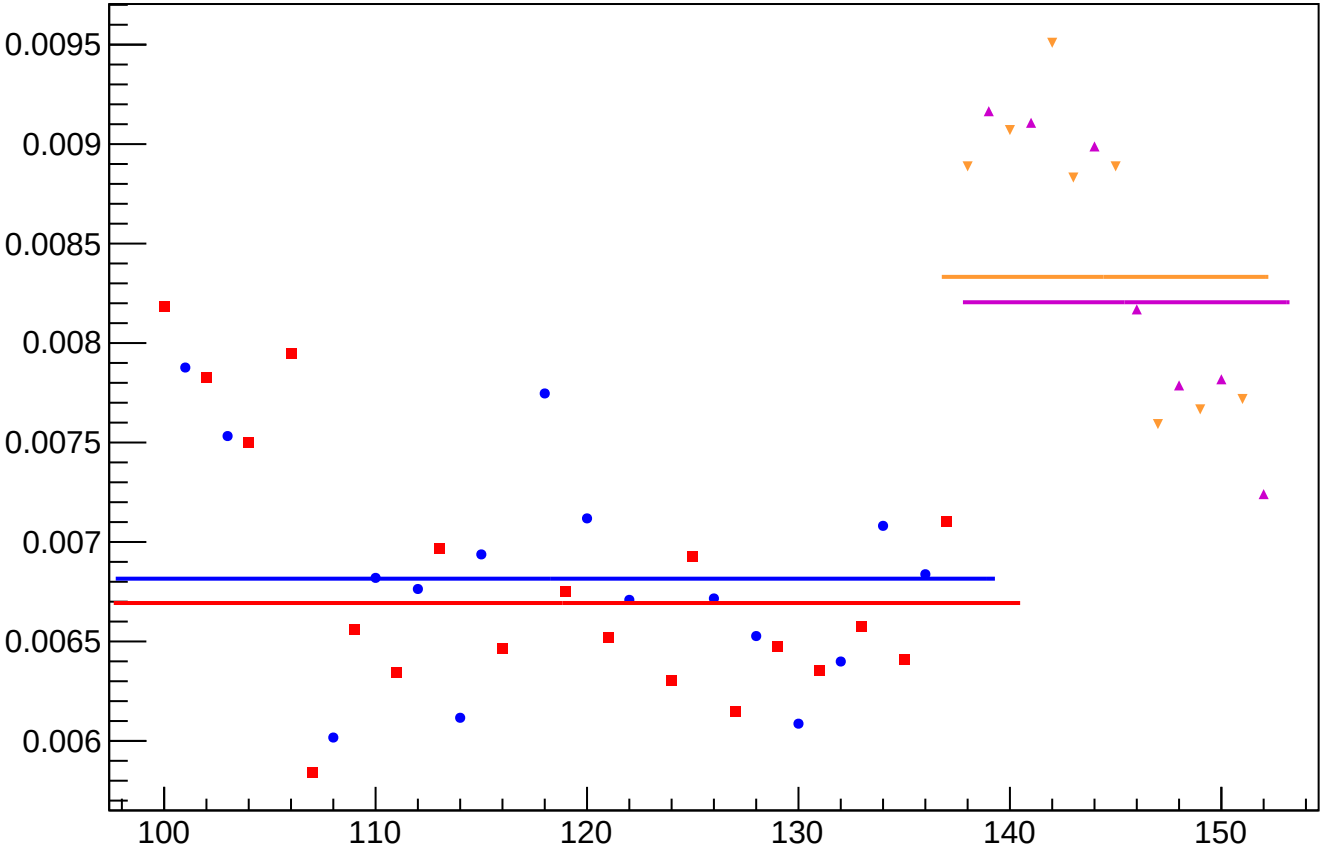
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.281+/-0.000 χ^2/NDF:59362102373.4/22

Out: 2.181+/-0.000 χ^2/NDF:70985318222.7/26

All: 2.230+/-0.000 χ^2/NDF: 131514290893.9

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:84277.7/6

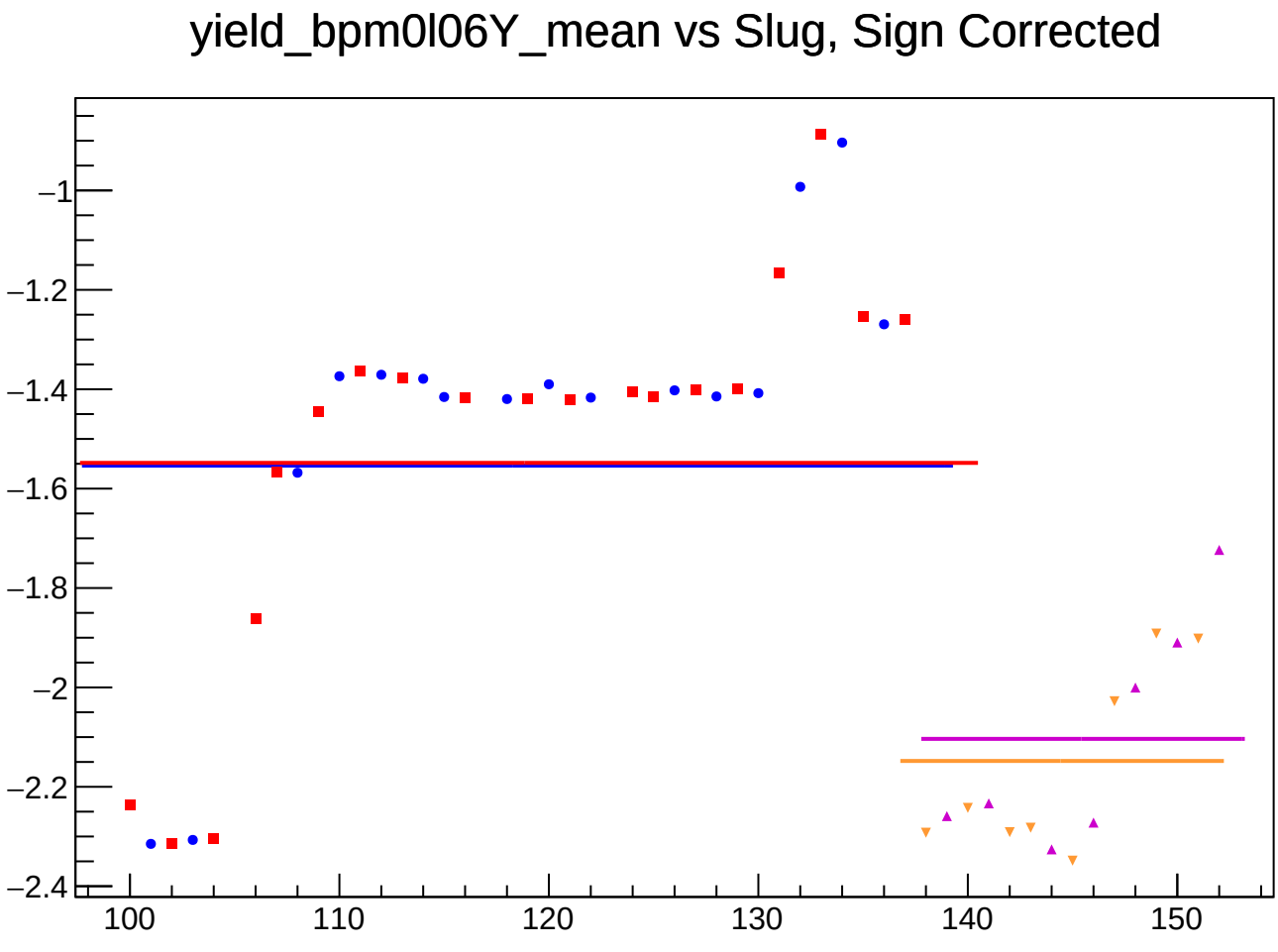
Left: 0.008+/-0.000 χ^2/NDF: 160915.8/14

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

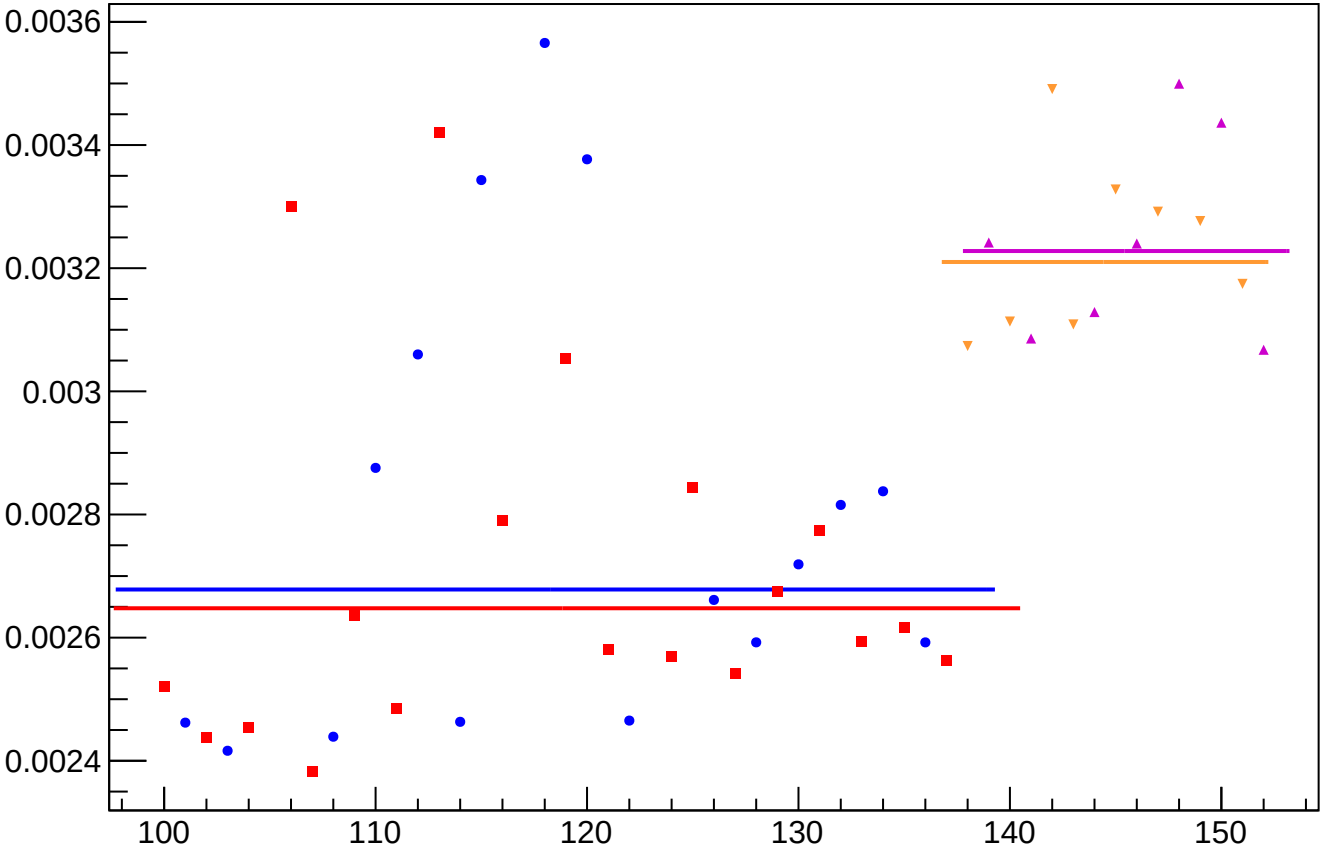
In: 0.007+/-0.000 χ^2/NDF:379052.7/22

Out: 0.007+/-0.000 χ^2/NDF:454044.5/26

All: 0.007+/-0.000 χ^2/NDF: 834429.8/49


yield_bpm0l06Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
100
110
120
130
140
150
Right In: -1.554+/-0.000 χ²/NDF: 175176621986.0/15
Left Out: -2.148+/-0.000 χ²/NDF:16721699371.7/7
Right Out: -1.548+/-0.000 χ²/NDF: 174743666302.8/18
Left In: -2.104+/-0.000 χ²/NDF:24675305072.8/6
Left: -2.126+/-0.000 χ²/NDF: 41914443441.6/14
Right: -1.551+/-0.000 χ²/NDF: 349934542439.1/34
In: -1.751+/-0.000 χ²/NDF:301368447994.8/22
Out: -1.754+/-0.000 χ²/NDF:315307165643.0/26
All: -1.753+/-0.000 χ²/NDF: 616685588477.

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:24611.9/6

Left: 0.003+/-0.000 χ^2/NDF: 38851.3/14

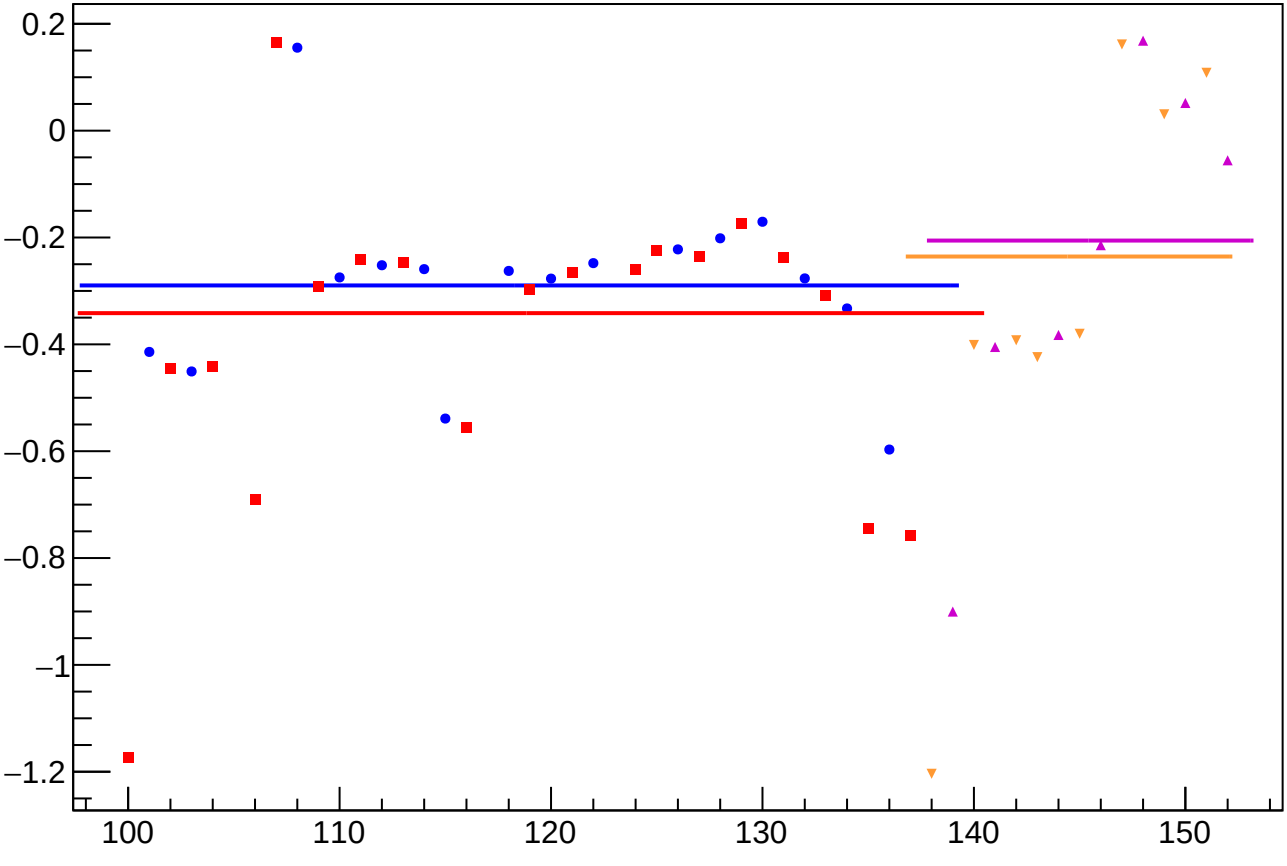
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:385353.1/22

Out: 0.003+/-0.000 χ^2/NDF:347983.8/26

All: 0.003+/-0.000 χ^2/NDF: 735079.0/49

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: -0.206+/-0.000 χ^2/NDF:3099989735.0/6

Left: -0.221+/-0.000 χ^2/NDF: 8145367088.9/14

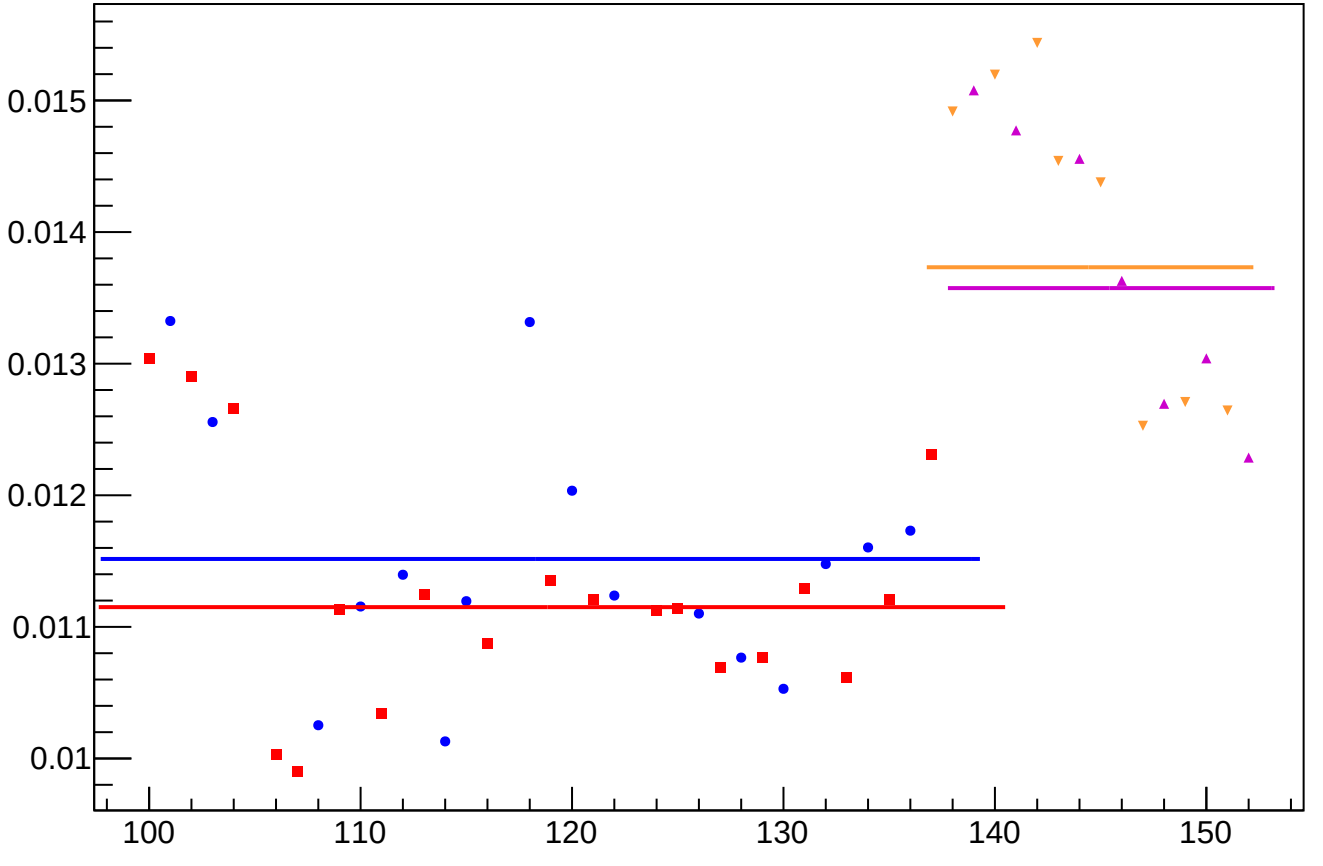
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.258+/-0.000 χ^2/NDF:4881968382.6/22

Out: -0.305+/-0.000 χ^2/NDF:7864927819.6/26

All: -0.283+/-0.000 χ^2/NDF: 12841064677.0/

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:62582.6/6

Left: 0.014+/-0.000 χ^2/NDF: 140661.1/14

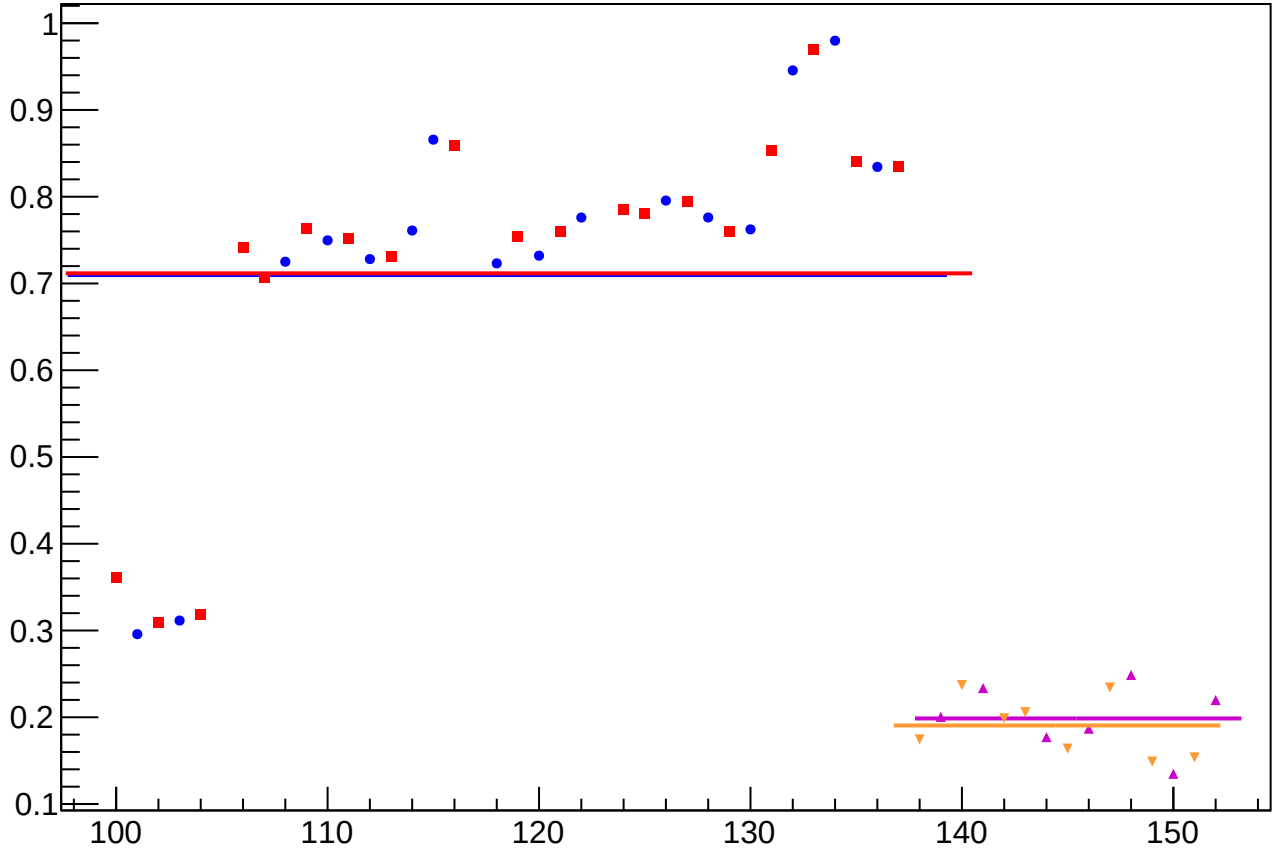
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:311128.3/22

Out: 0.012+/-0.000 χ^2/NDF:413914.4/26

All: 0.012+/-0.000 χ^2/NDF: 730349.2/49

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: 0.199+/-0.000 χ^2/NDF:1657936458.8/6

Left: 0.195+/-0.000 χ^2/NDF: 3214260136.4/14

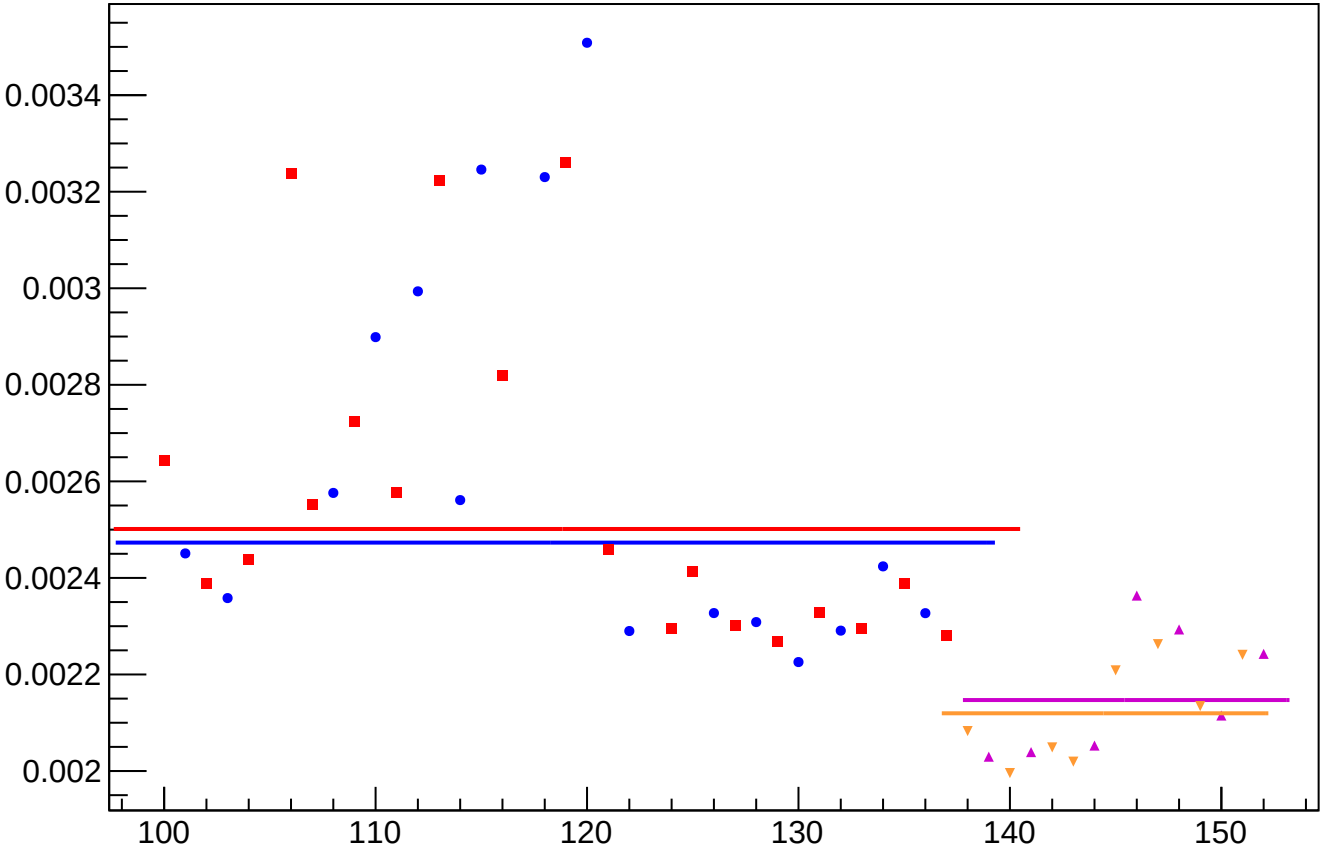
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.434+/-0.000 χ^2/NDF:207767654620.8/22

Out: 0.427+/-0.000 χ^2/NDF:212691761127.0/26

All: 0.430+/-0.000 χ^2/NDF: 420523336383.5

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:39248.6/6

Left: 0.002+/-0.000 χ^2/NDF: 66168.1/14

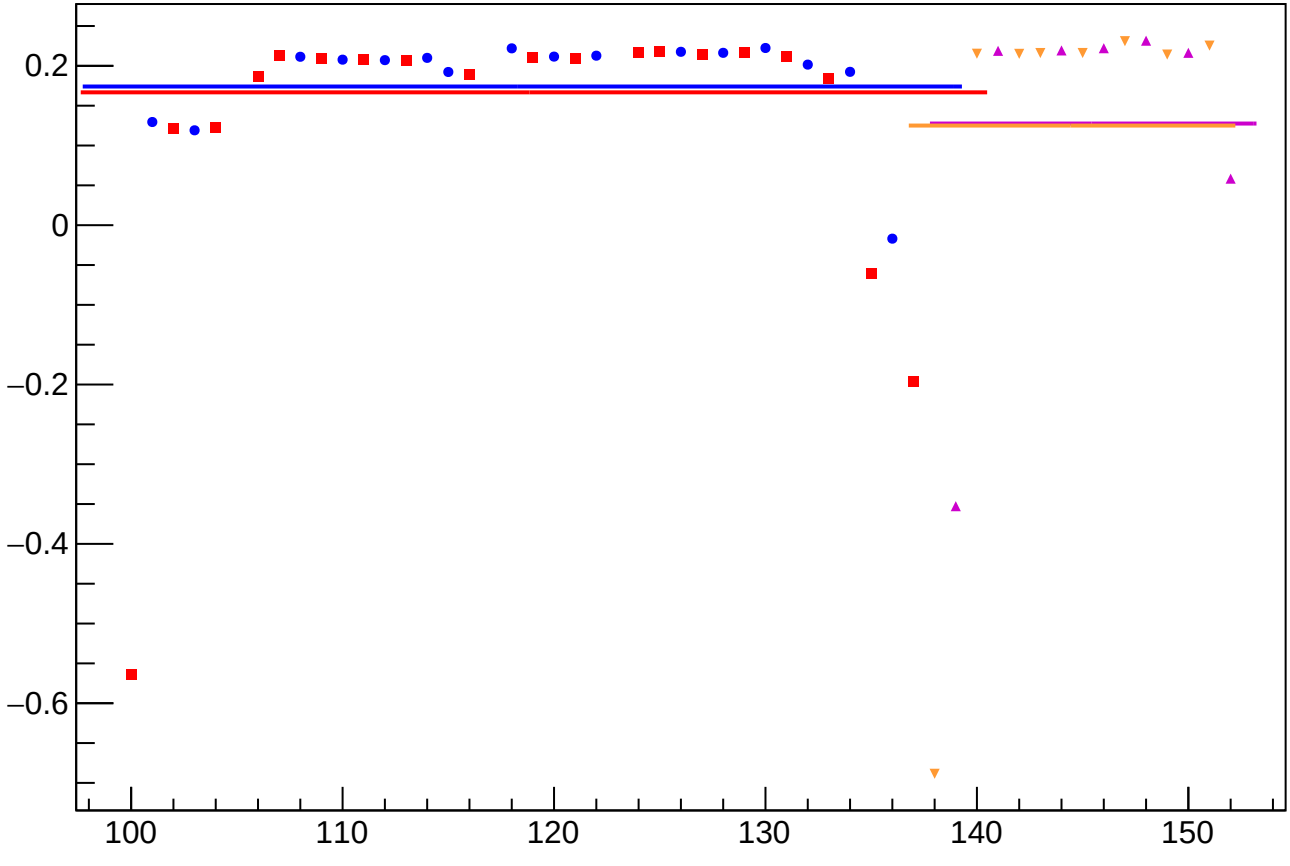
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:375284.8/22

Out: 0.002+/-0.000 χ^2/NDF:382616.4/26

All: 0.002+/-0.000 χ^2/NDF: 757952.7/49

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: 0.128+/-0.000 χ^2/NDF:1271111638.3/6

Left: 0.126+/-0.000 χ^2/NDF: 4149850216.9/14

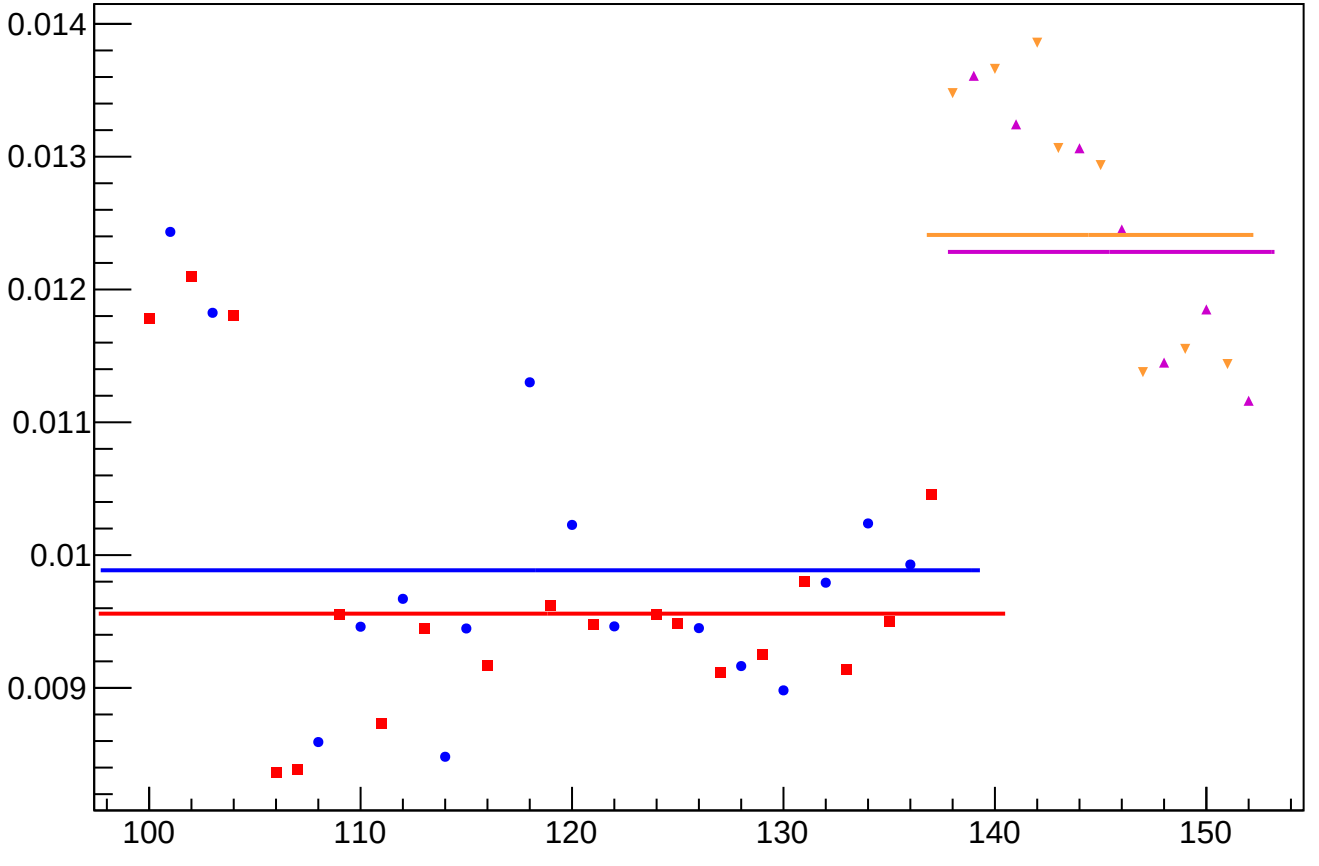
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.158+/-0.000 χ^2/NDF:1726120594.4/22

Out: 0.153+/-0.000 χ^2/NDF:3816688383.6/26

All: 0.155+/-0.000 χ^2/NDF: 5543906408.4/49

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: 0.012+/-0.000 χ^2/NDF:57223.0/6

Left: 0.012+/-0.000 χ^2/NDF: 128082.8/14

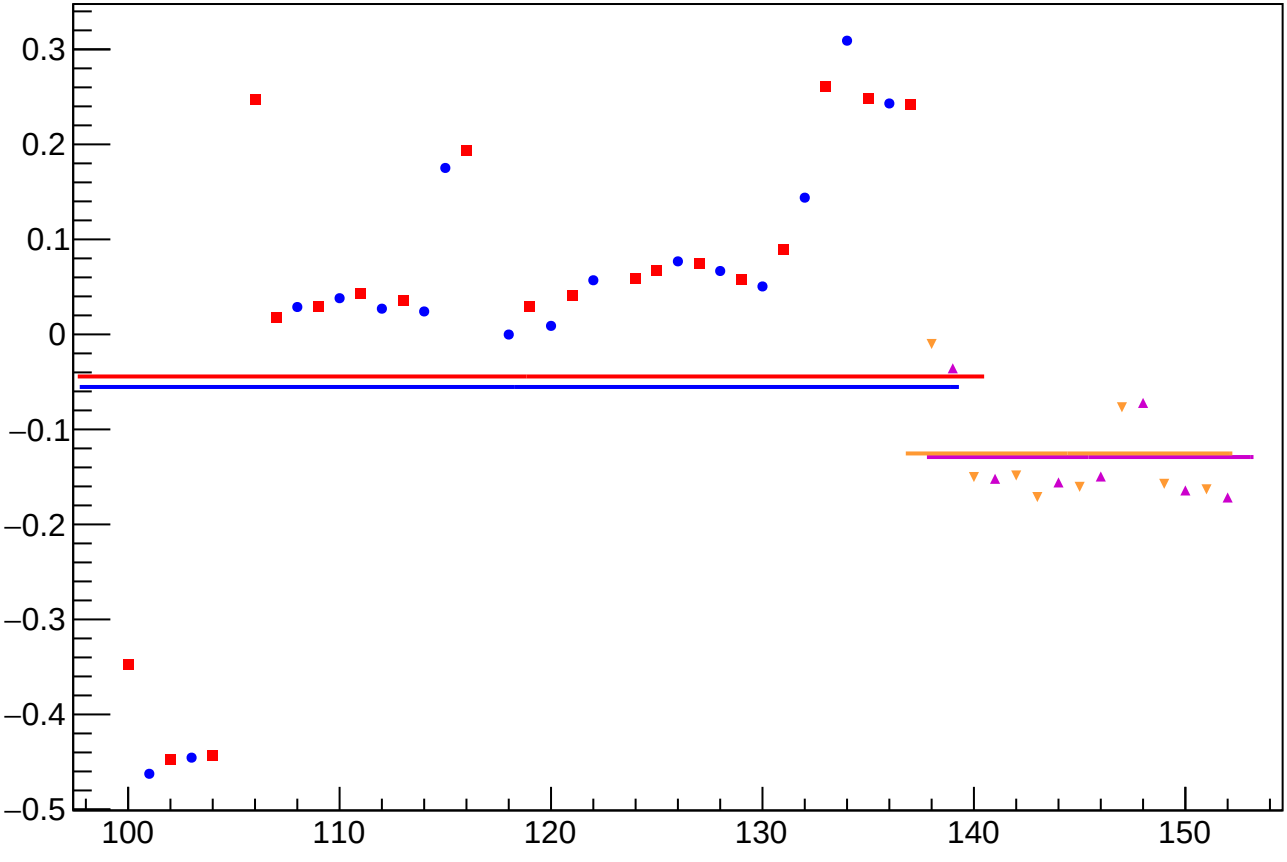
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:488046.2/22

Out: 0.010+/-0.000 χ^2/NDF:617672.9/26

All: 0.011+/-0.000 χ^2/NDF: 1112733.6/49

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: -0.129+/-0.000 χ^2/NDF:1544950867.5/6

Left: -0.127+/-0.000 χ^2/NDF: 3526754977.8/14

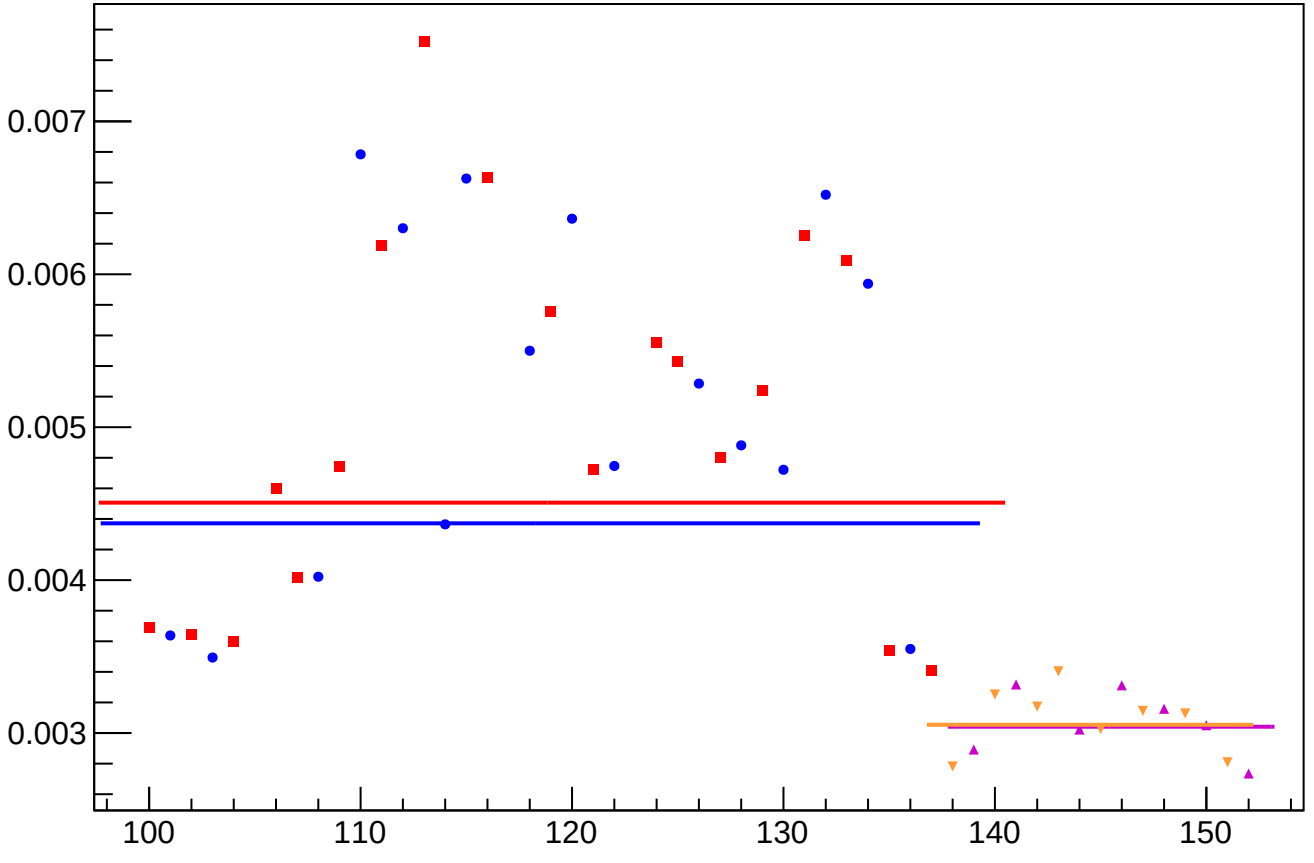
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.104+/-0.000 χ^2/NDF:26768474874.0/22

Out: -0.098+/-0.000 χ^2/NDF:25478575249.3/26

All: -0.101+/-0.000 χ^2/NDF: 52263758273.5/

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:48499.9/6

Left: 0.003+/-0.000 χ^2/NDF: 99135.8/14

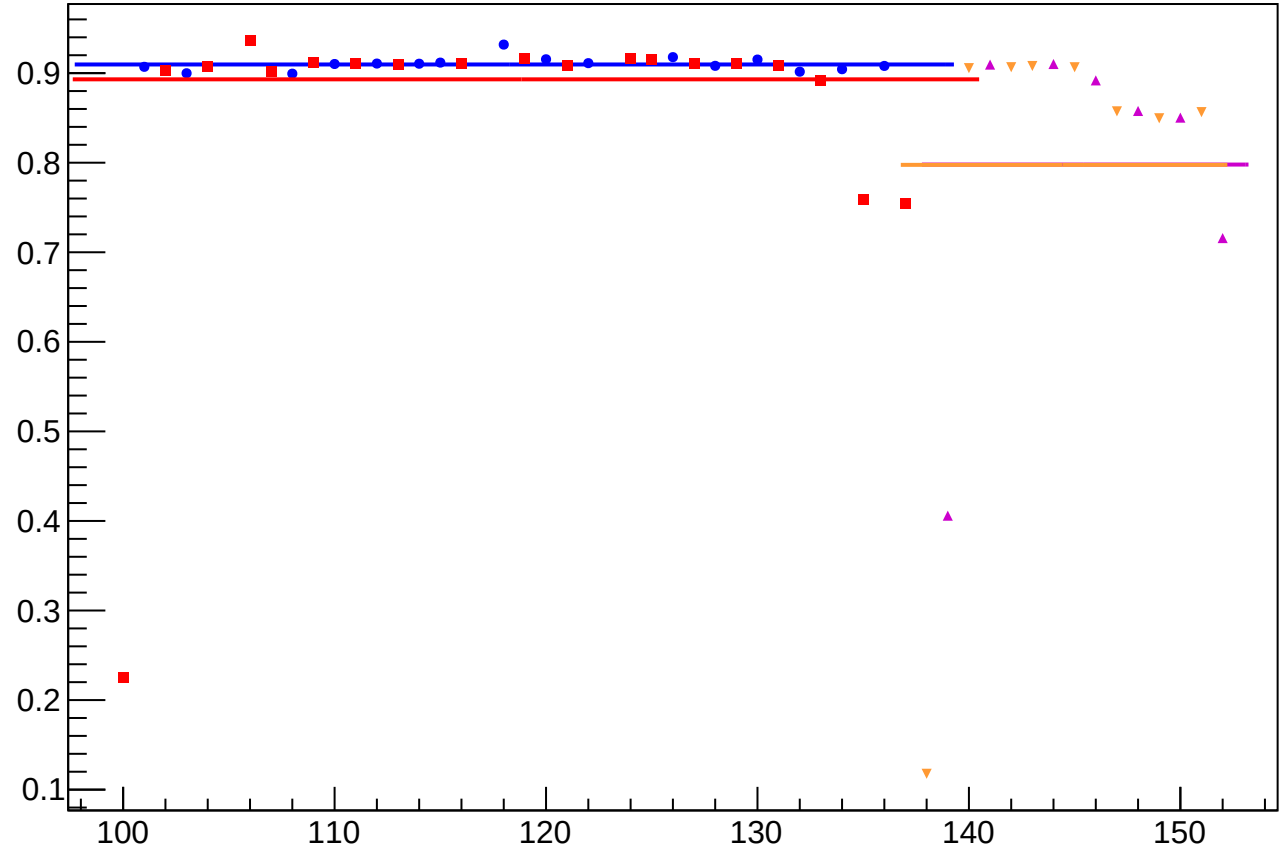
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:1451756.5/22

Out: 0.004+/-0.000 χ^2/NDF:1632511.0/26

All: 0.004+/-0.000 χ^2/NDF: 3086595.6/49

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: 0.798+/-0.000 χ^2/NDF:990103467.8/6

Left: 0.798+/-0.000 χ^2/NDF: 3203026423.6/14

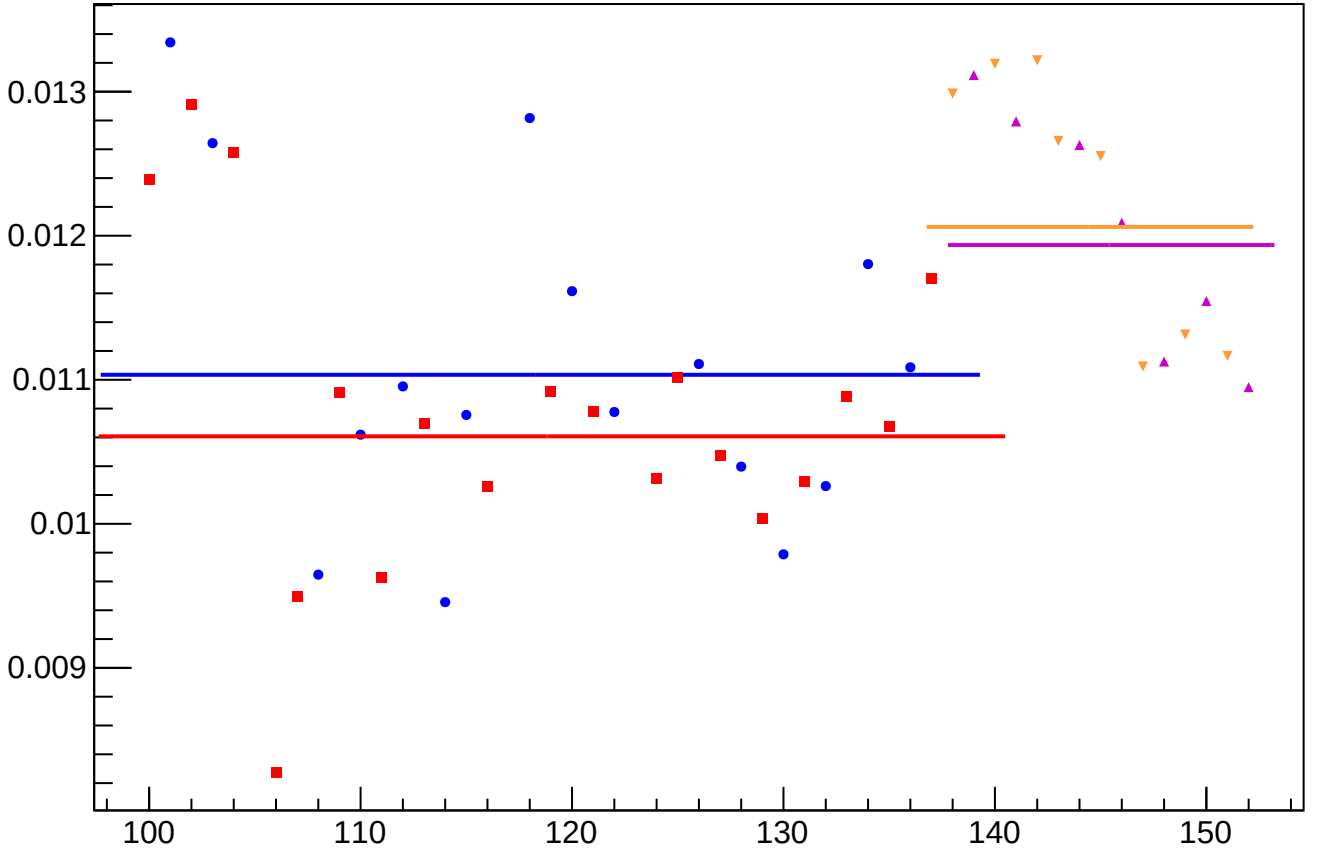
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.863+/-0.000 χ^2/NDF:1287270423.6/22

Out: 0.856+/-0.000 χ^2/NDF:2764730741.9/26

All: 0.860+/-0.000 χ^2/NDF: 4054154176.8/49

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:49663.5/6

Left: 0.012+/-0.000 χ^2/NDF: 110463.4/14

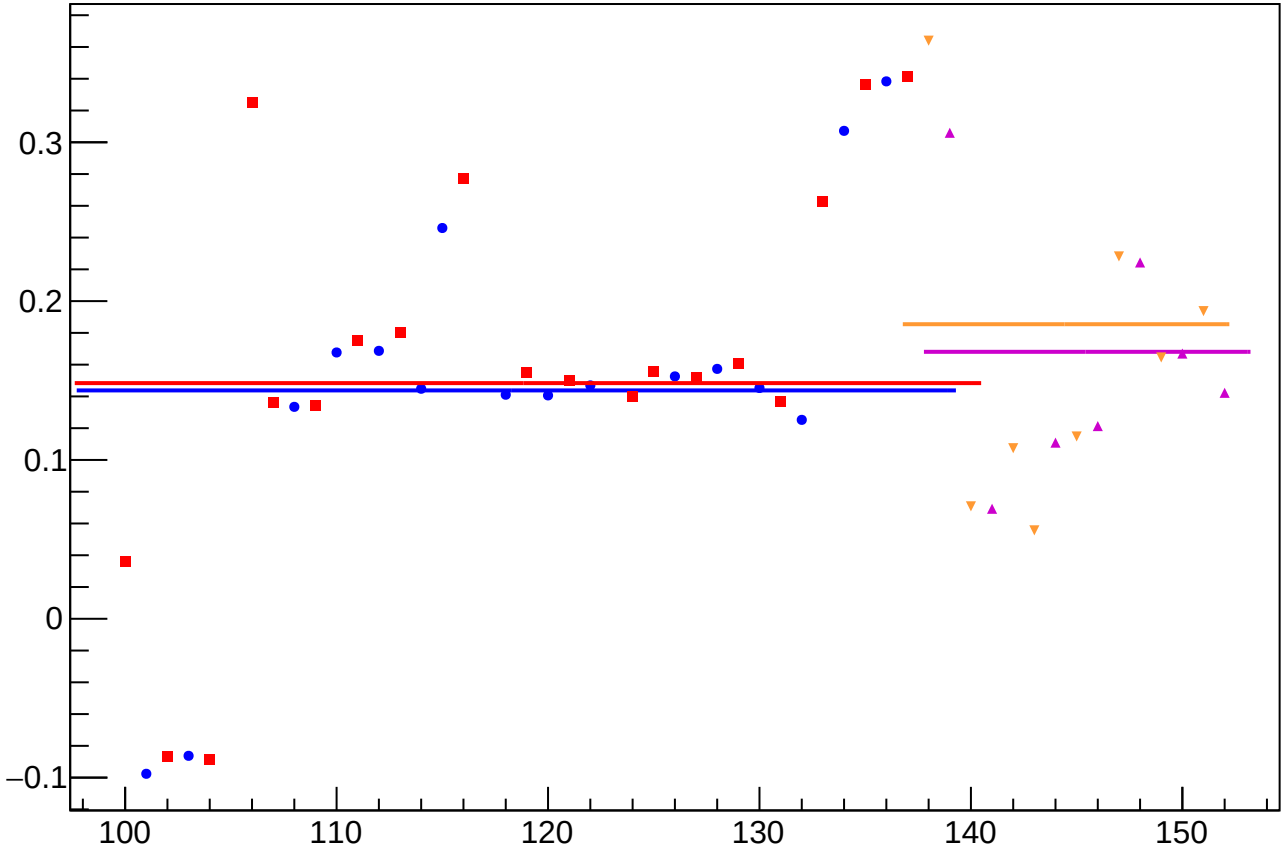
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:218217.3/22

Out: 0.011+/-0.000 χ^2/NDF:307887.4/26

All: 0.011+/-0.000 χ^2/NDF: 532167.8/49

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: 0.168+/-0.000 χ^2/NDF:2196816284.0/6

Left: 0.177+/-0.000 χ^2/NDF: 6357225697.0/14

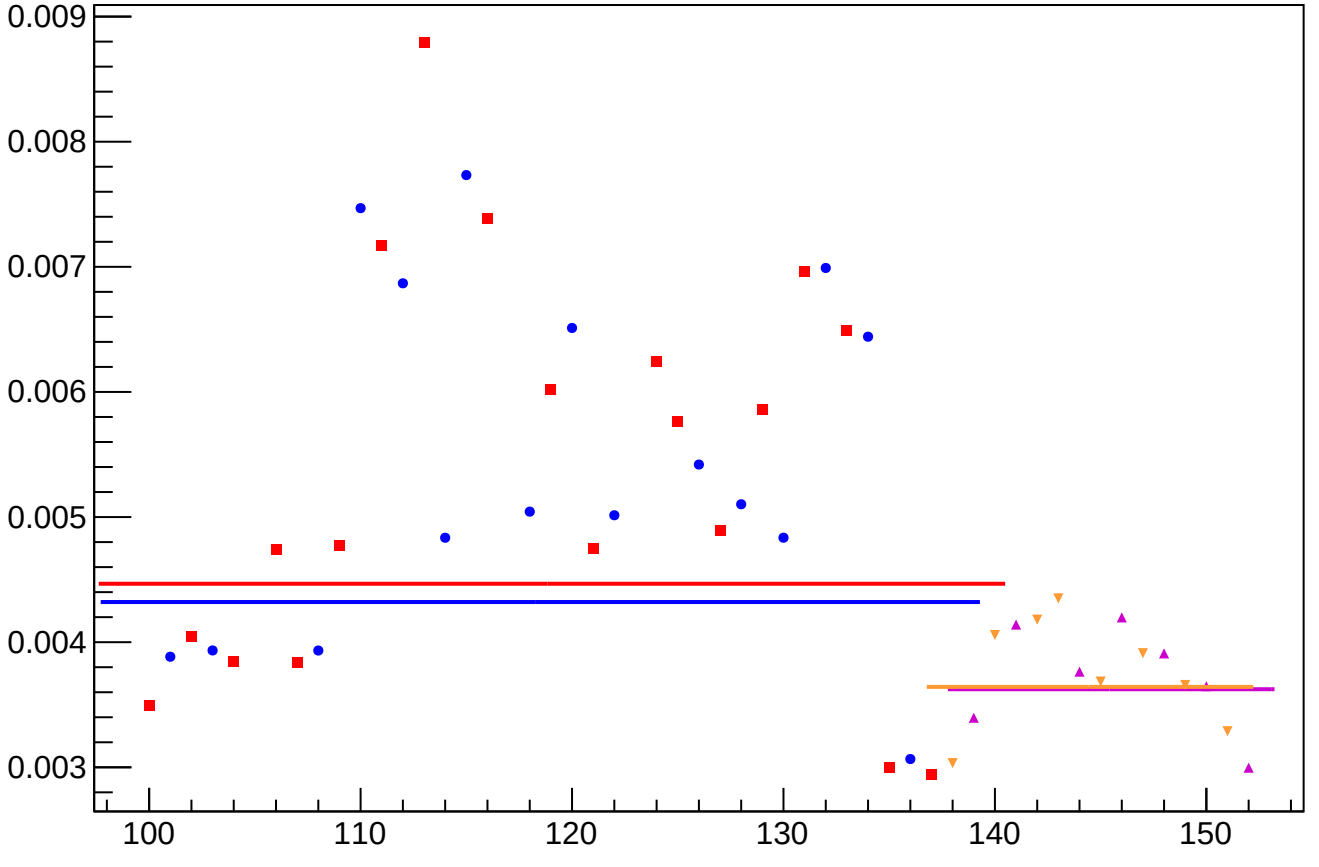
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.158+/-0.000 χ^2/NDF:10167901688.6/22

Out: 0.170+/-0.000 χ^2/NDF:11463991182.2/26

All: 0.164+/-0.000 χ^2/NDF: 21684662328.5/4

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:138967.3/6

Left: 0.004+/-0.000 χ^2/NDF: 285083.1/14

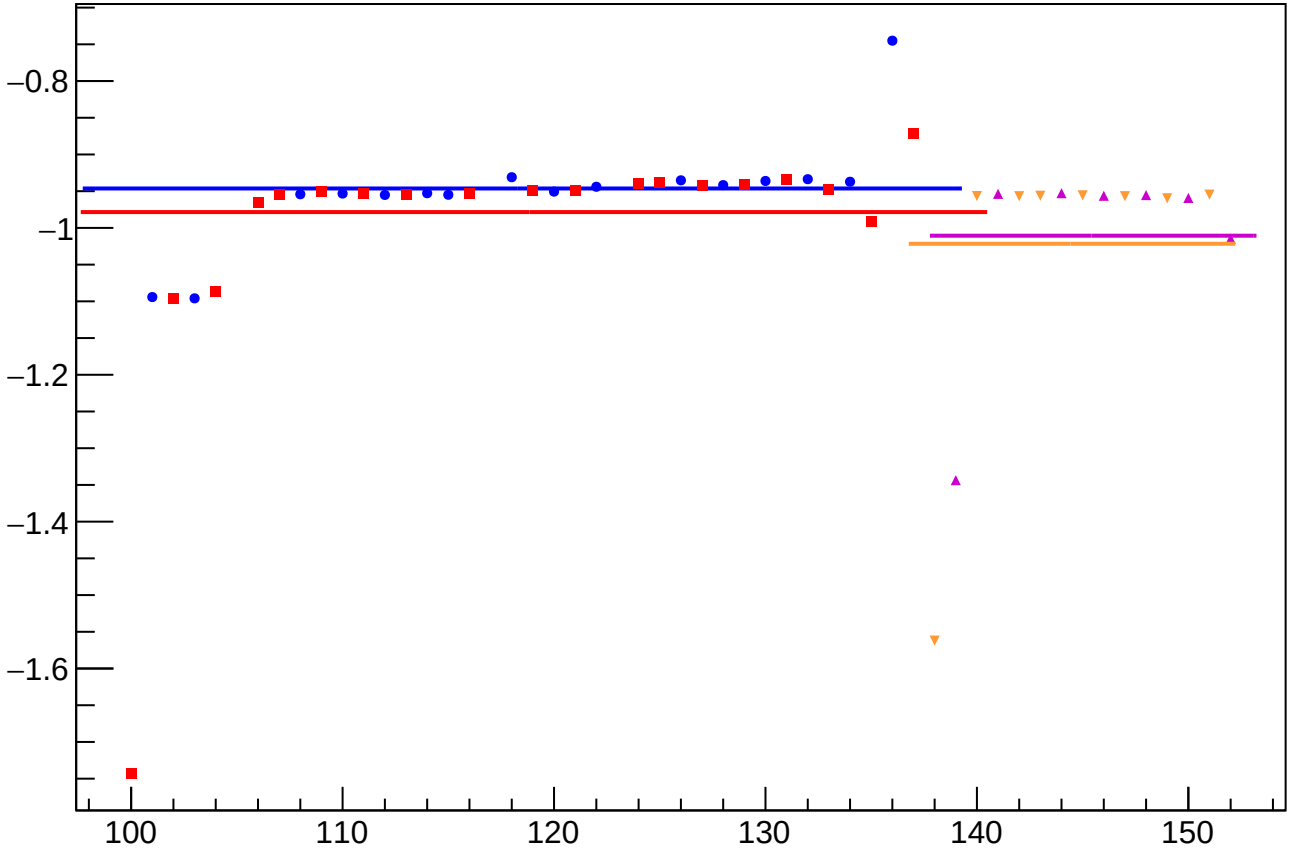
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:1188010.9/22

Out: 0.004+/-0.000 χ^2/NDF:1466056.0/26

All: 0.004+/-0.000 χ^2/NDF: 2657332.5/49

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: -1.011+/-0.000 χ^2/NDF:777465978.5/6

Left: -1.016+/-0.000 χ^2/NDF: 2565732091.1/14

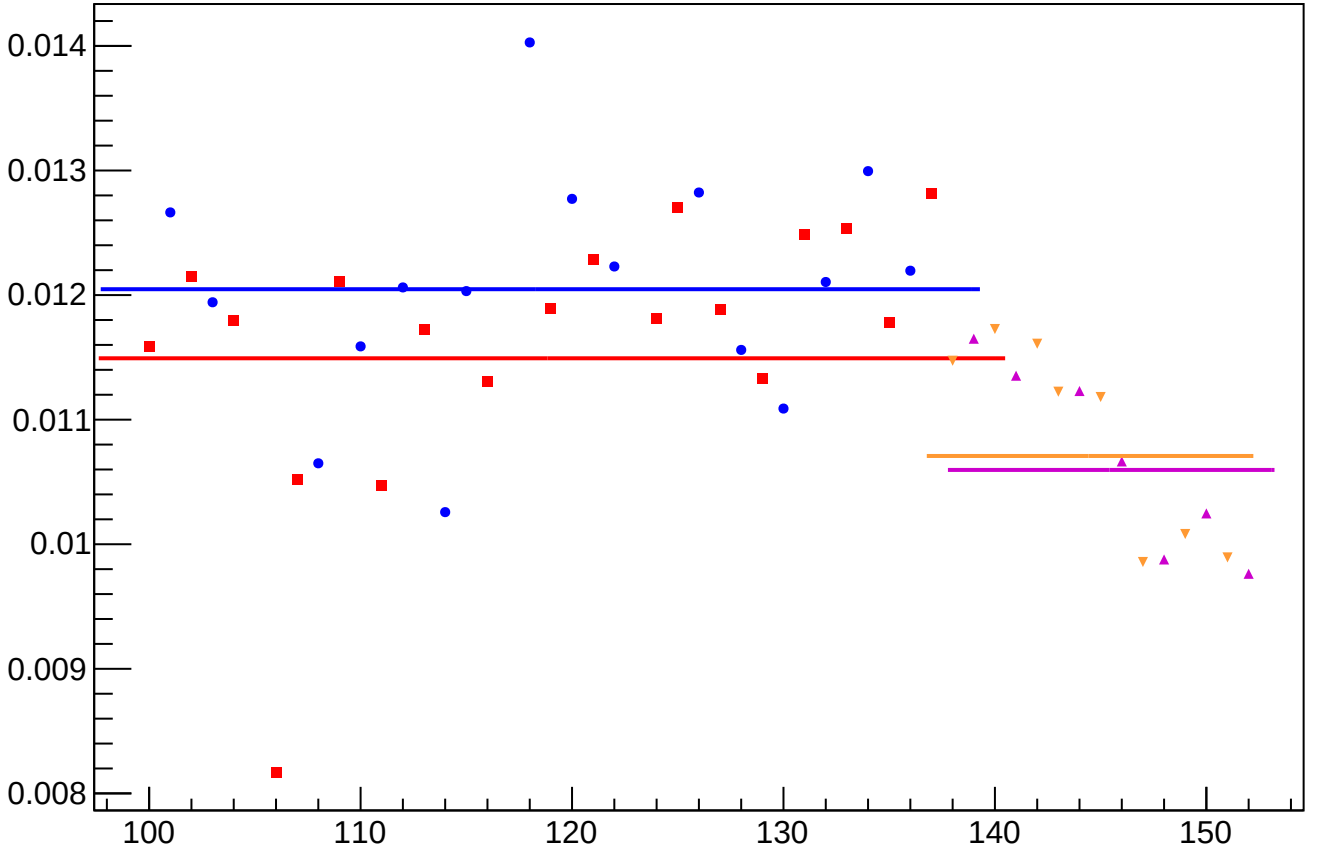
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -0.980+/-0.000 χ^2/NDF:1284103267.1/22

Out: -0.999+/-0.000 χ^2/NDF:2295088262.8/26

All: -0.990+/-0.000 χ^2/NDF: 3598503125.5/4

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:58252.0/7

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:48862.9/6

Left: 0.011+/-0.000 χ^2/NDF: 107758.3/14

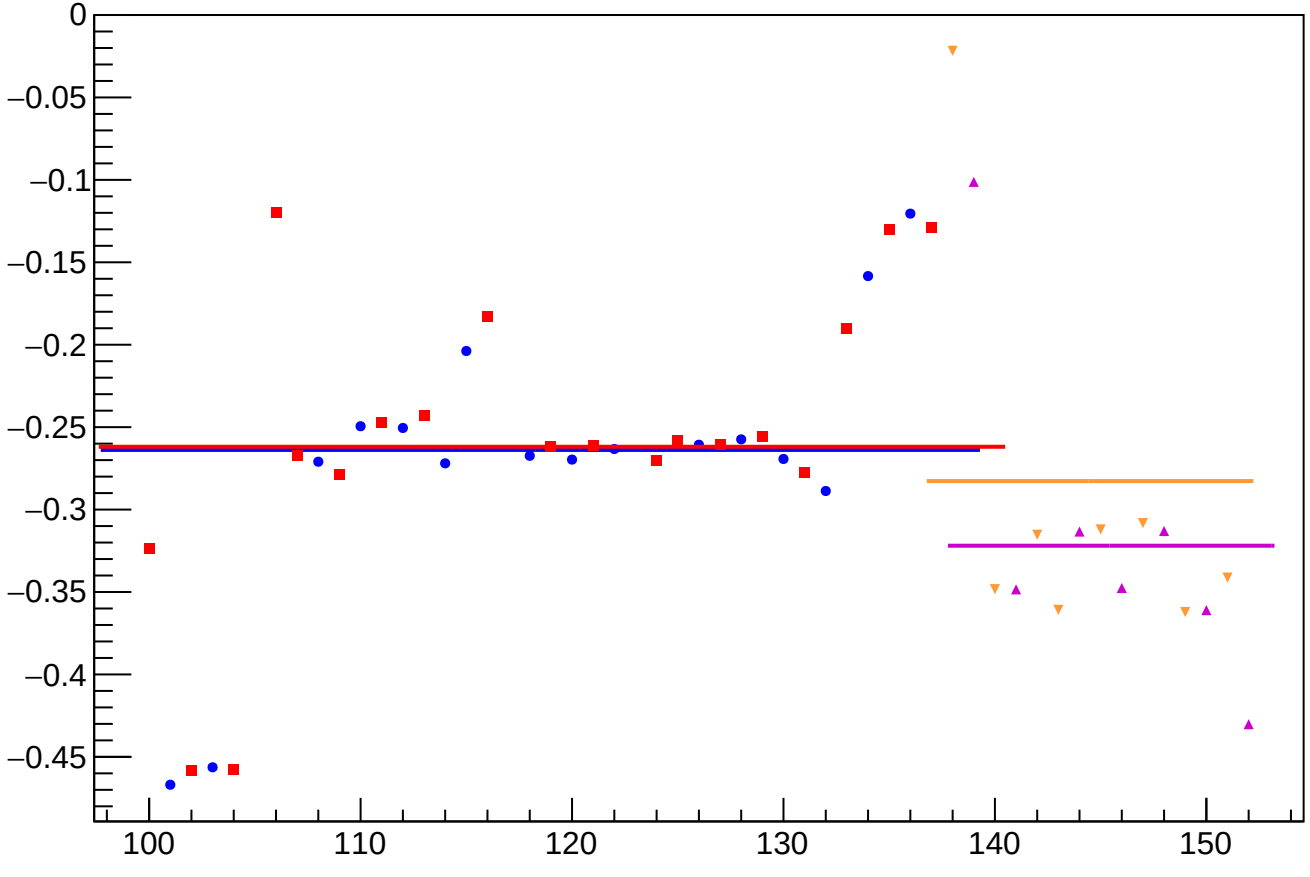
Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.011+/-0.000 χ^2/NDF:215350.1/22

Out: 0.011+/-0.000 χ^2/NDF:241831.0/26

All: 0.011+/-0.000 χ^2/NDF: 460369.1/49

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: -0.322+/-0.000 χ^2/NDF:3332704925.5/6

Left: -0.302+/-0.000 χ^2/NDF: 8175631750.9/14

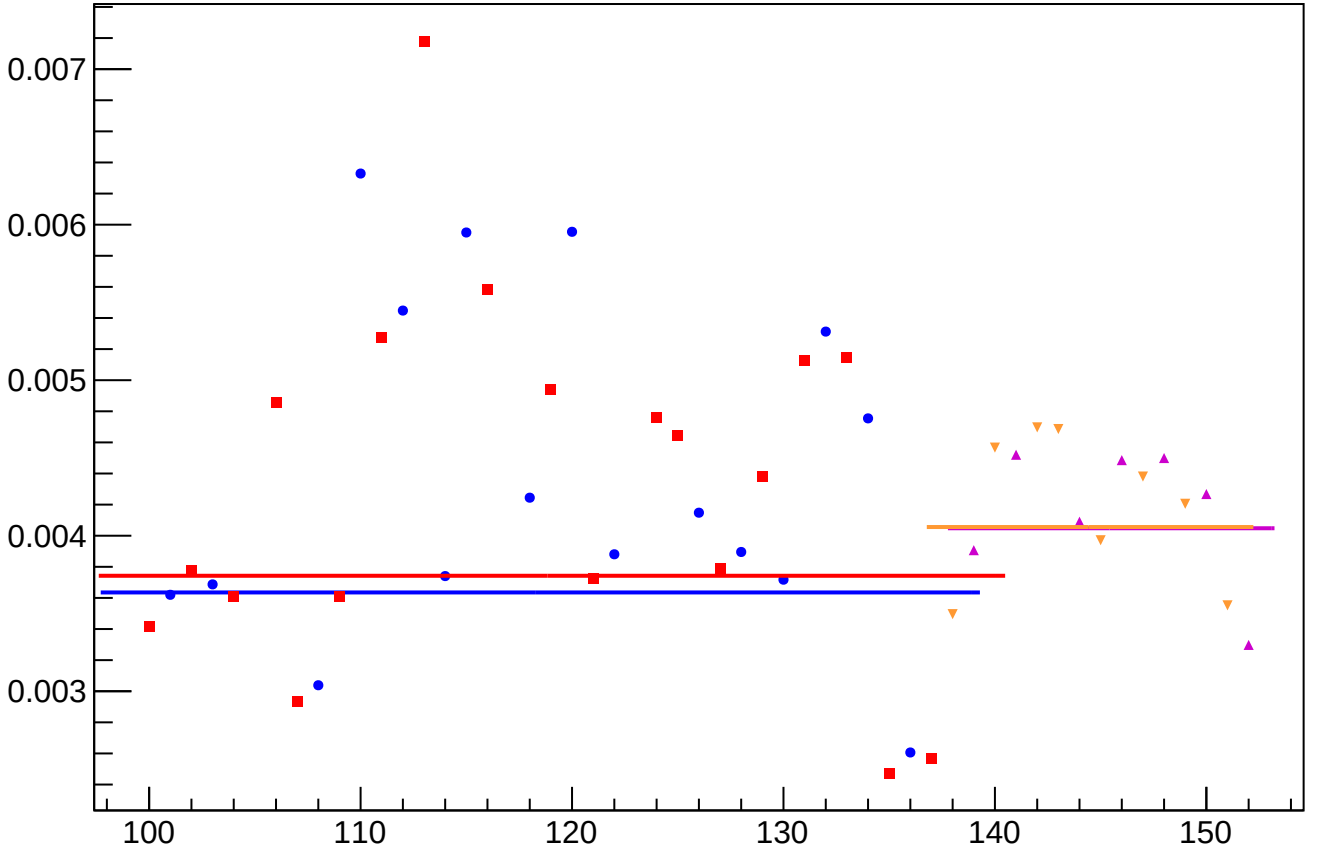
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.288+/-0.000 χ^2/NDF:10063998679.6/22

Out: -0.271+/-0.000 χ^2/NDF:9925023504.8/26

All: -0.280+/-0.000 χ^2/NDF: 20106512144.0/

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:132738.0/6

Left: 0.004+/-0.000 χ^2/NDF: 264540.3/14

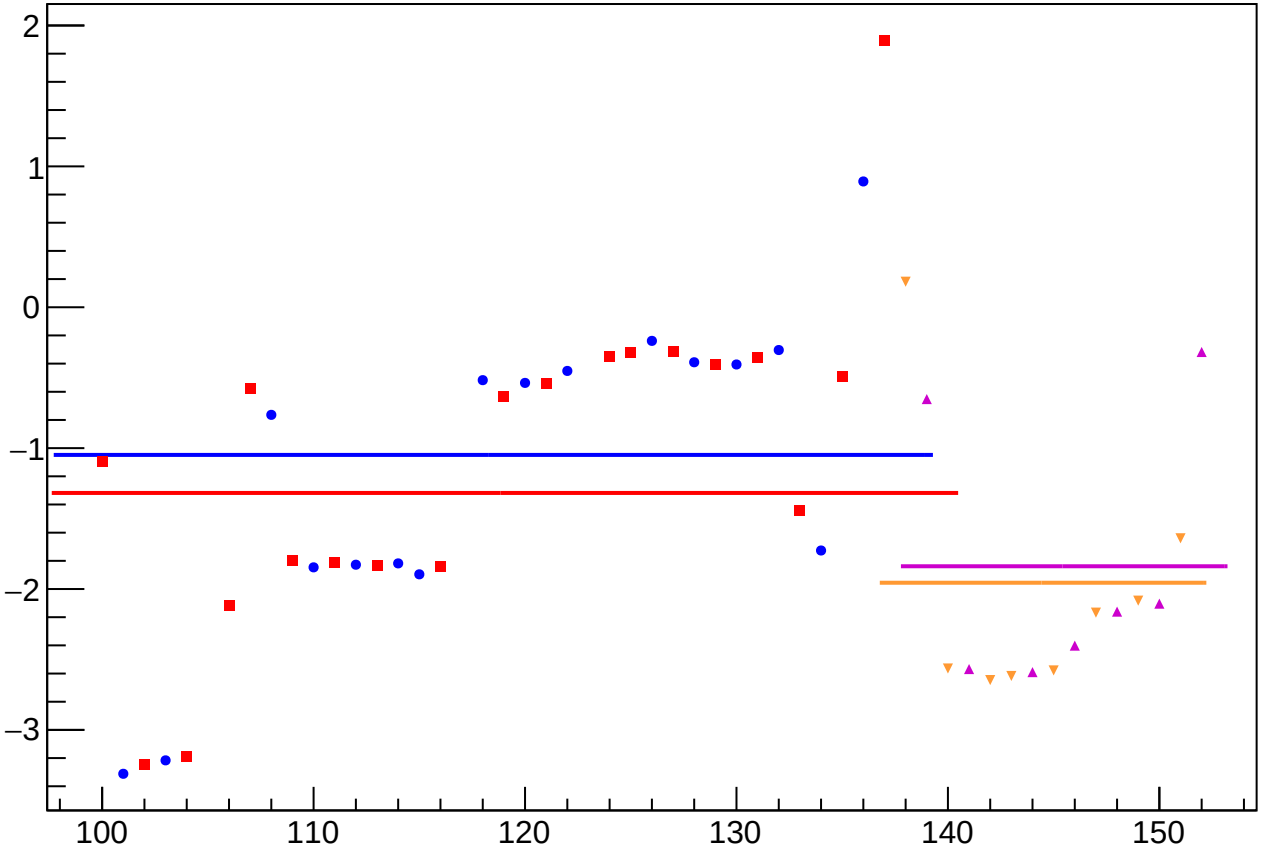
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:924415.3/22

Out: 0.004+/-0.000 χ^2/NDF:1062177.1/26

All: 0.004+/-0.000 χ^2/NDF: 1989942.3/49

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: -1.838+/-0.000 χ^2/NDF:779828899.6/6

Left: -1.898+/-0.000 χ^2/NDF: 1698100960.9/14

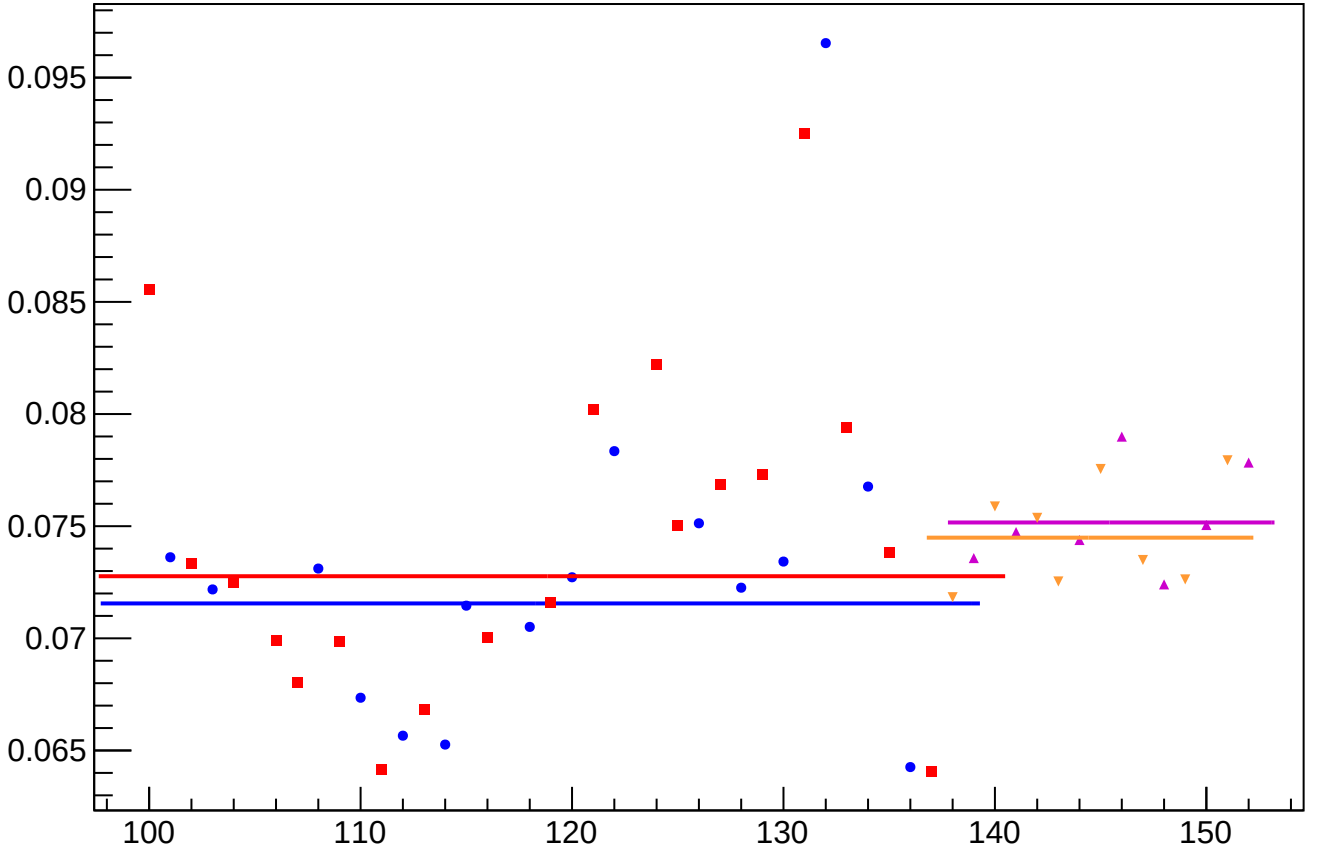
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.391+/-0.000 χ^2/NDF:3497932948.1/22

Out: -1.599+/-0.000 χ^2/NDF:3004930181.5/26

All: -1.496+/-0.000 χ^2/NDF: 6555794745.9/4

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:9278.3/6

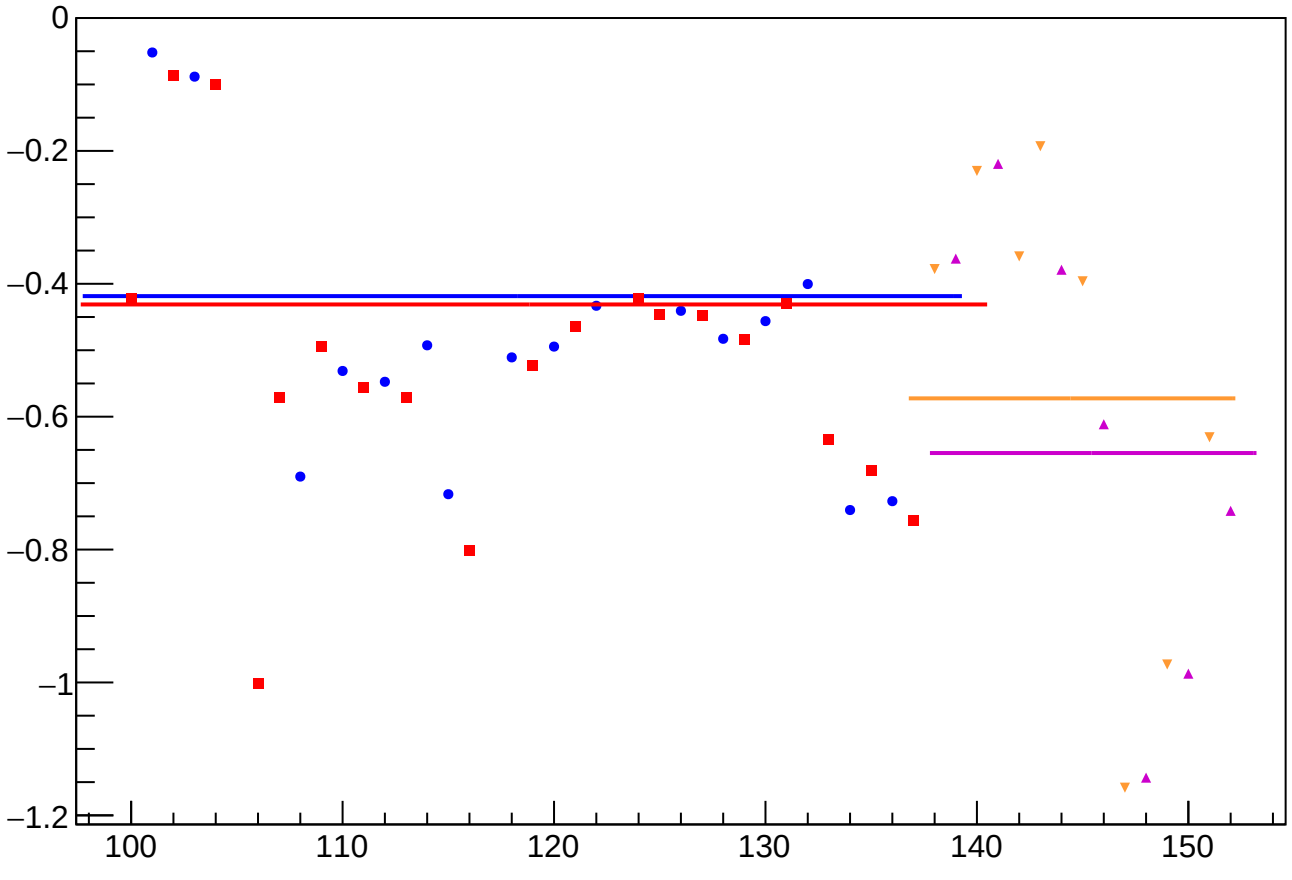
Left: 0.075+/-0.000 χ^2/NDF: 20751.1/14

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.073+/-0.000 χ^2/NDF:125992.2/22

Out: 0.074+/-0.000 χ^2/NDF:111438.0/26

All: 0.073+/-0.000 χ^2/NDF: 237832.6/49



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: -0.655+/-0.000 χ^2/NDF:7784531450.7/6

Left: -0.615+/-0.000 χ^2/NDF: 16212159417.7/14

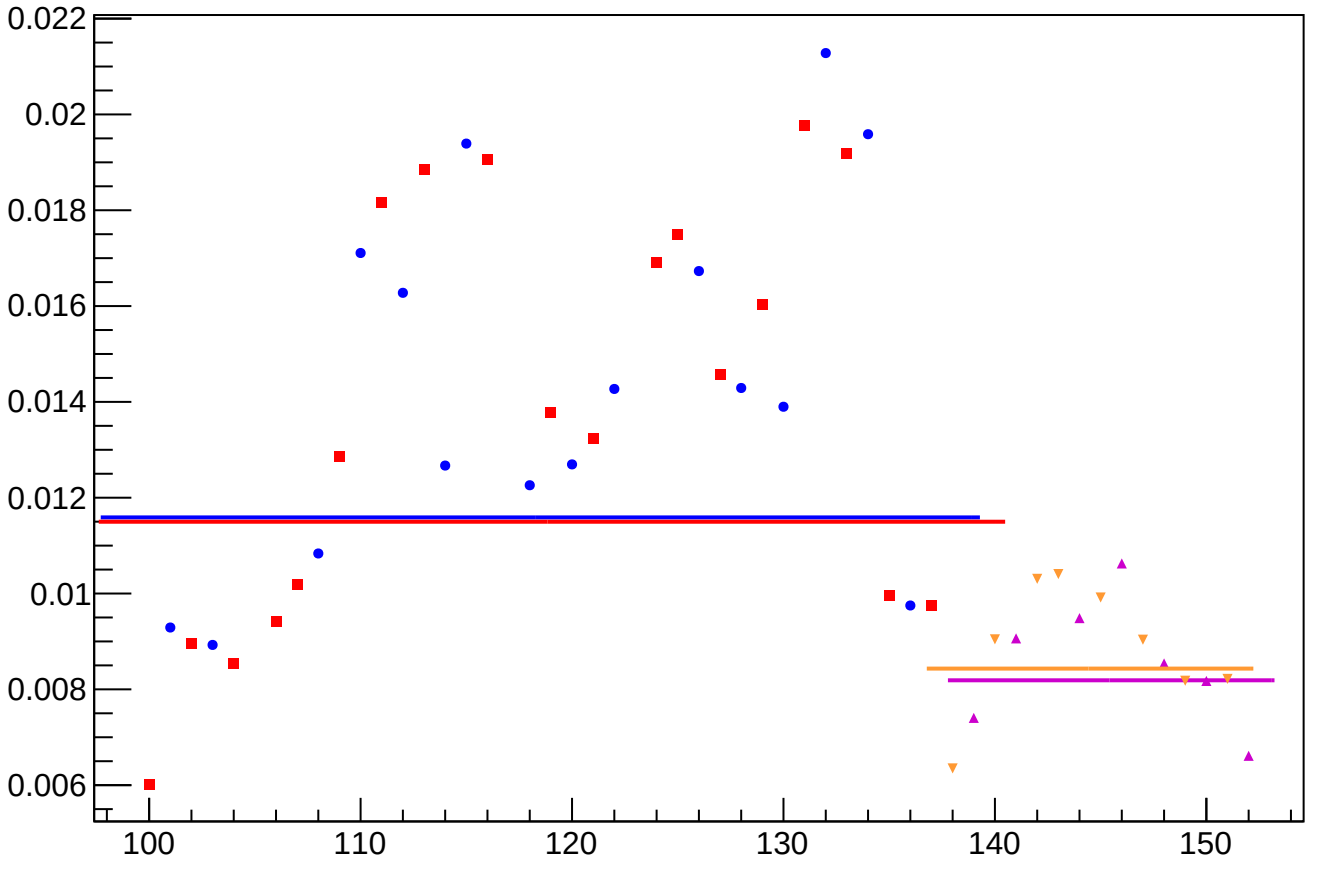
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.571+/-0.000 χ^2/NDF:12453447155.6/22

Out: -0.520+/-0.000 χ^2/NDF:11927761480.4/26

All: -0.546+/-0.000 χ^2/NDF: 24542902370.0/

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: 0.008+/-0.000 χ^2/NDF:232141.7/6

Left: 0.008+/-0.000 χ^2/NDF: 513391.2/14

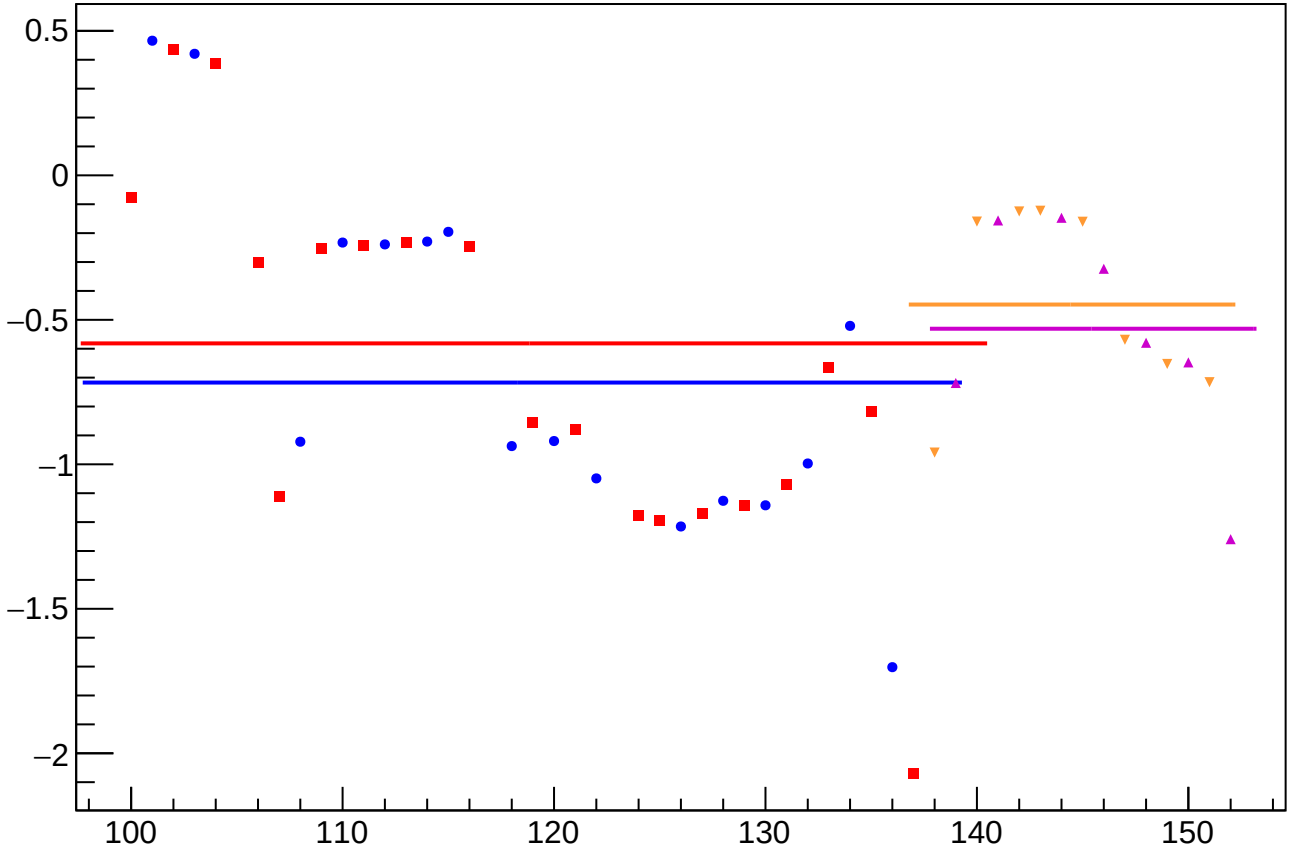
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.009+/-0.000 χ^2/NDF:1680357.6/22

Out: 0.010+/-0.000 χ^2/NDF:1976427.4/26

All: 0.009+/-0.000 χ^2/NDF: 3660858.3/49

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: -0.531+/-0.000 χ^2/NDF:106079213.7/6

Left: -0.488+/-0.000 χ^2/NDF: 191816642.7/14

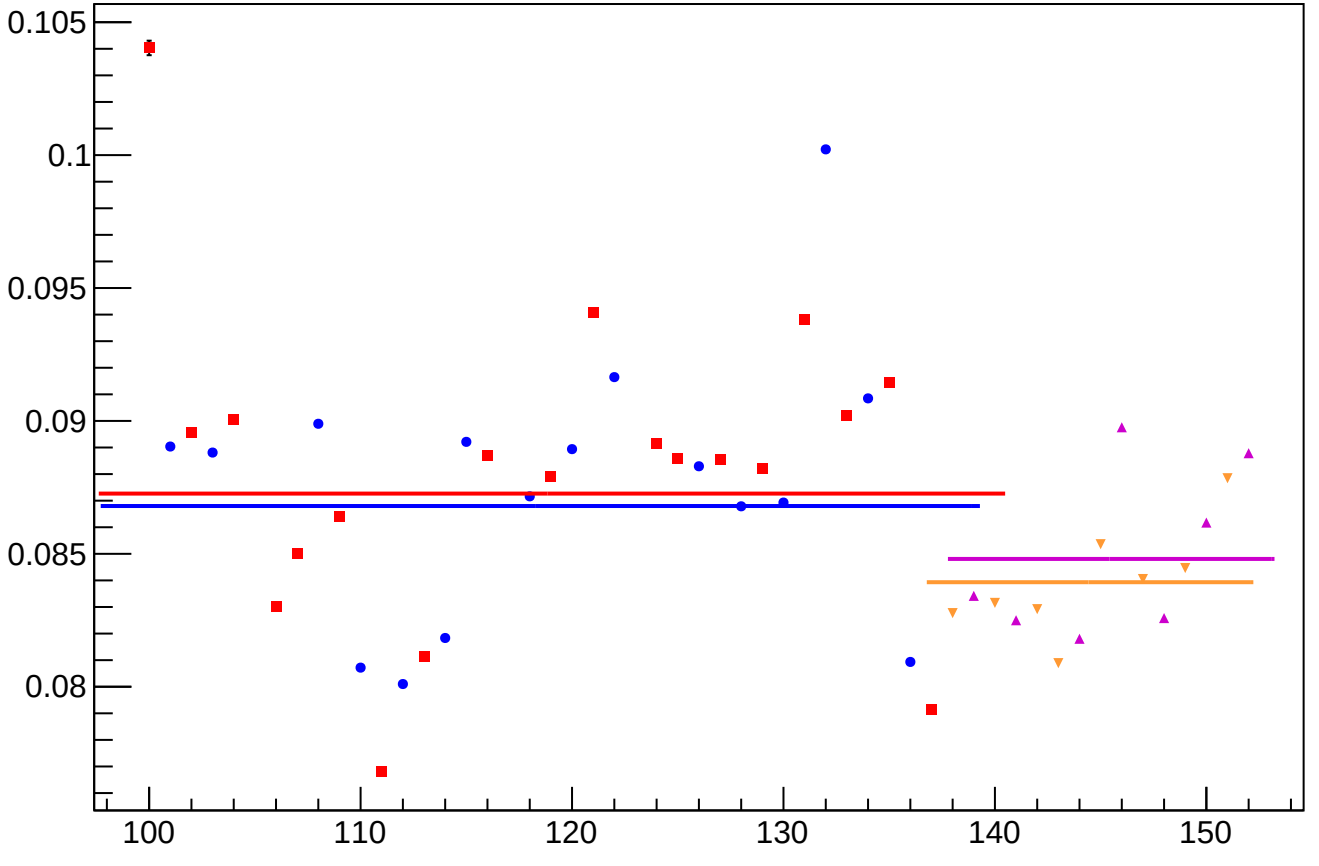
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.630+/-0.000 χ^2/NDF:559007477.7/22

Out: -0.518+/-0.000 χ^2/NDF:433124357.7/26

All: -0.573+/-0.000 χ^2/NDF: 1003453417.4/4

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: 0.085+/-0.000 χ^2/NDF:14669.9/6

Left: 0.084+/-0.000 χ^2/NDF: 22041.0/14

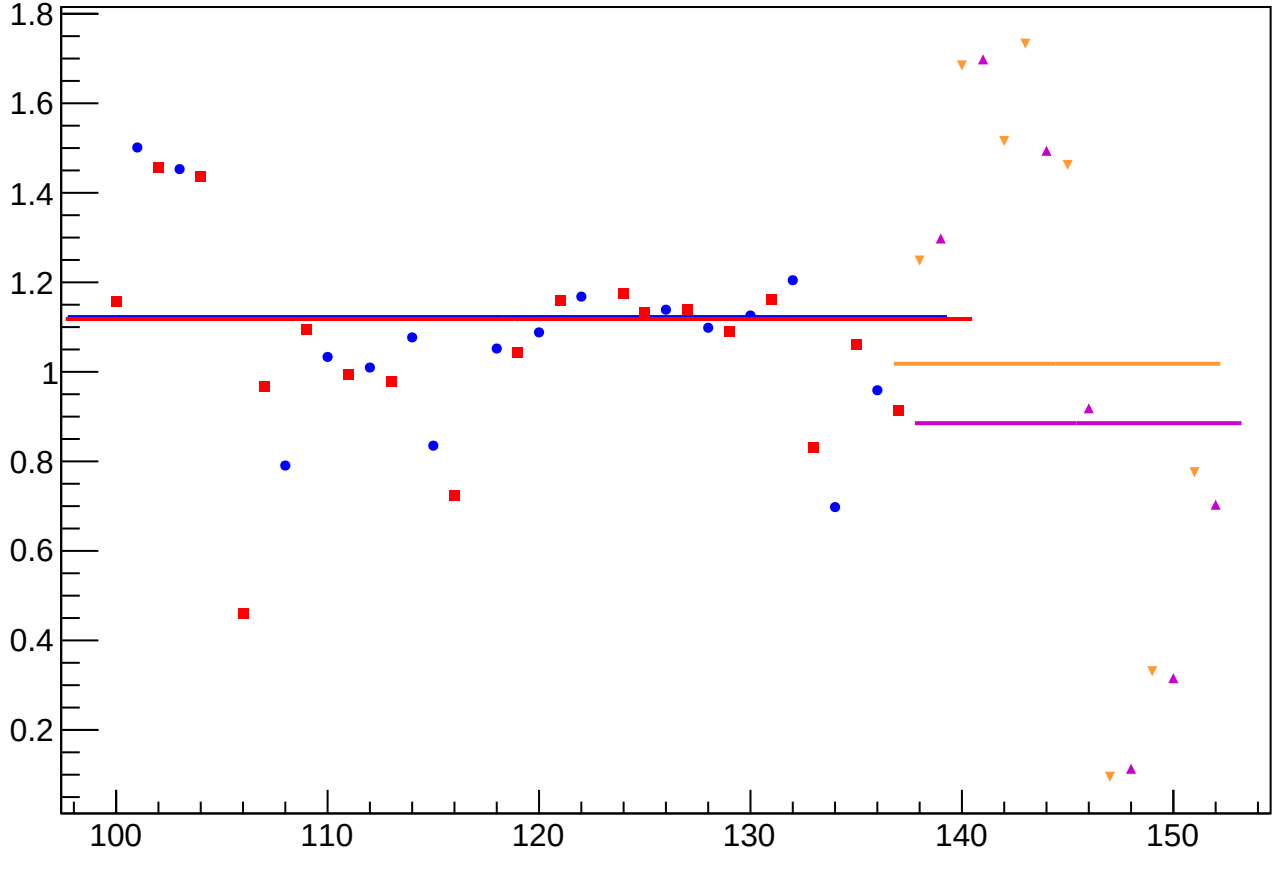
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:61787.6/22

Out: 0.086+/-0.000 χ^2/NDF:63121.1/26

All: 0.086+/-0.000 χ^2/NDF: 124961.1/49

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: 0.885+/-0.000 χ^2/NDF:16211244319.9/6

Left: 0.950+/-0.000 χ^2/NDF: 34250282242.8/14

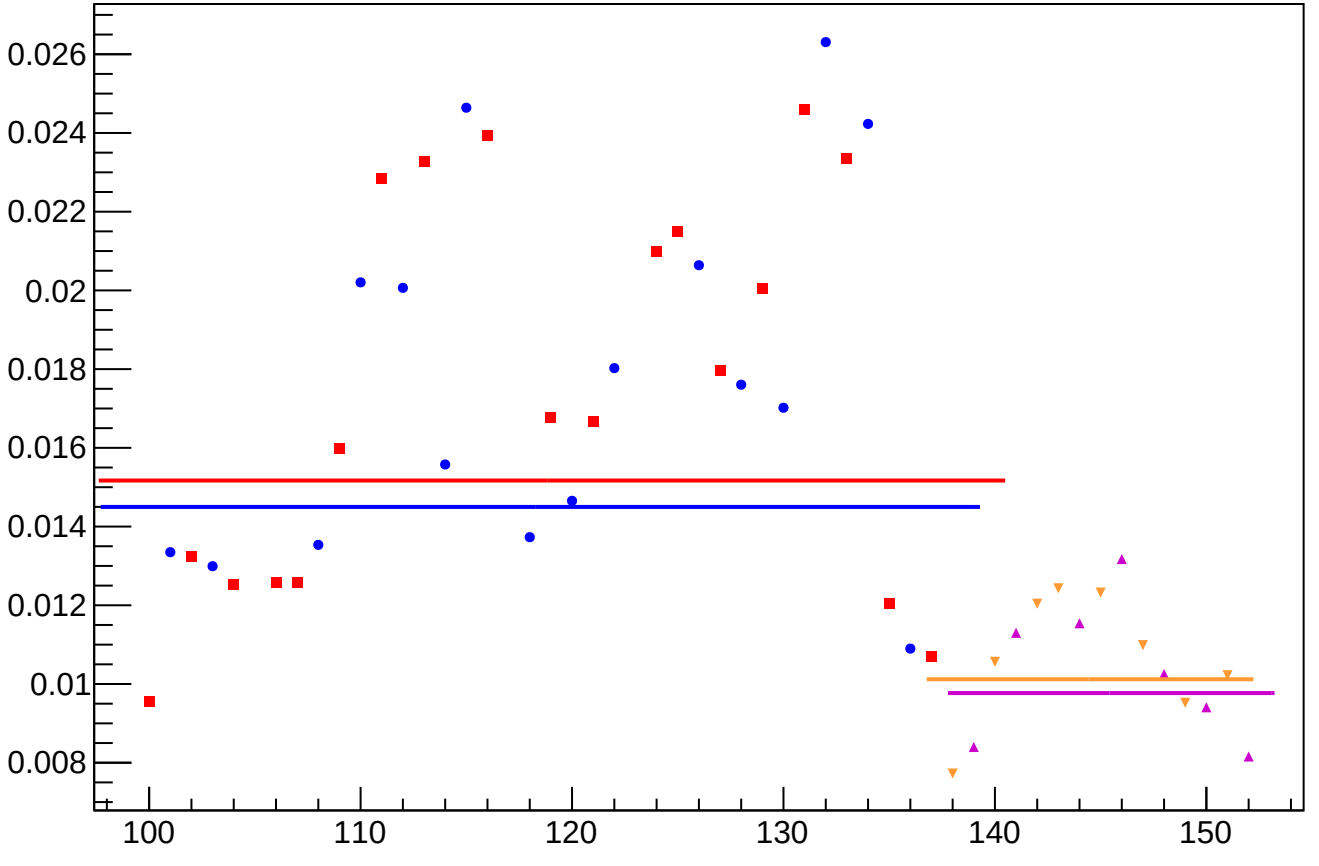
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.964+/-0.000 χ^2/NDF:18730486629.5/22

Out: 1.051+/-0.000 χ^2/NDF:19298736471.4/26

All: 1.006+/-0.000 χ^2/NDF: 38343436192.7/4

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:276838.9/6

Left: 0.010+/-0.000 χ^2/NDF: 562083.6/14

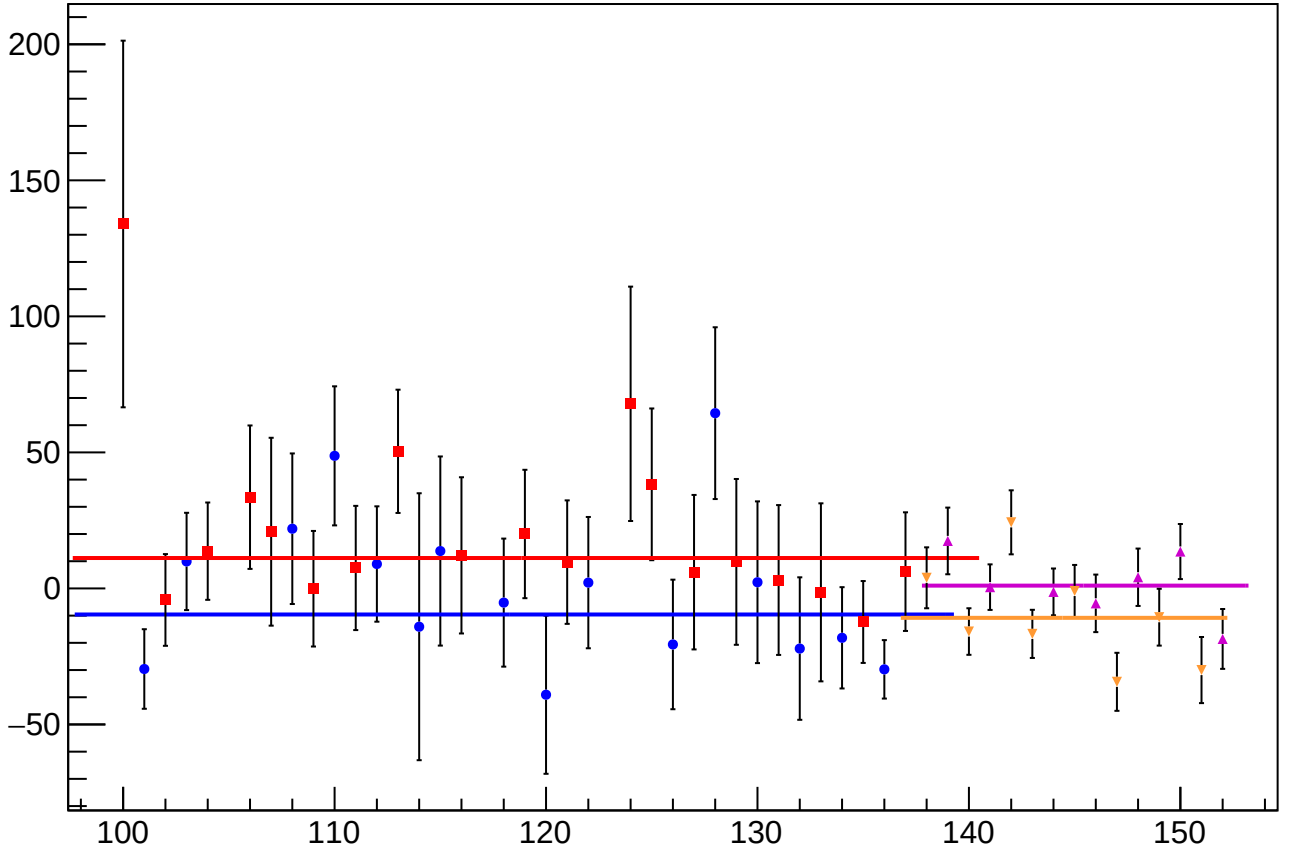
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.011+/-0.000 χ^2/NDF:1835320.2/22

Out: 0.012+/-0.000 χ^2/NDF:2052368.5/26

All: 0.012+/-0.000 χ^2/NDF: 3904475.8/49

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: 1.029+/-3.769 χ^2/NDF:7.0/6

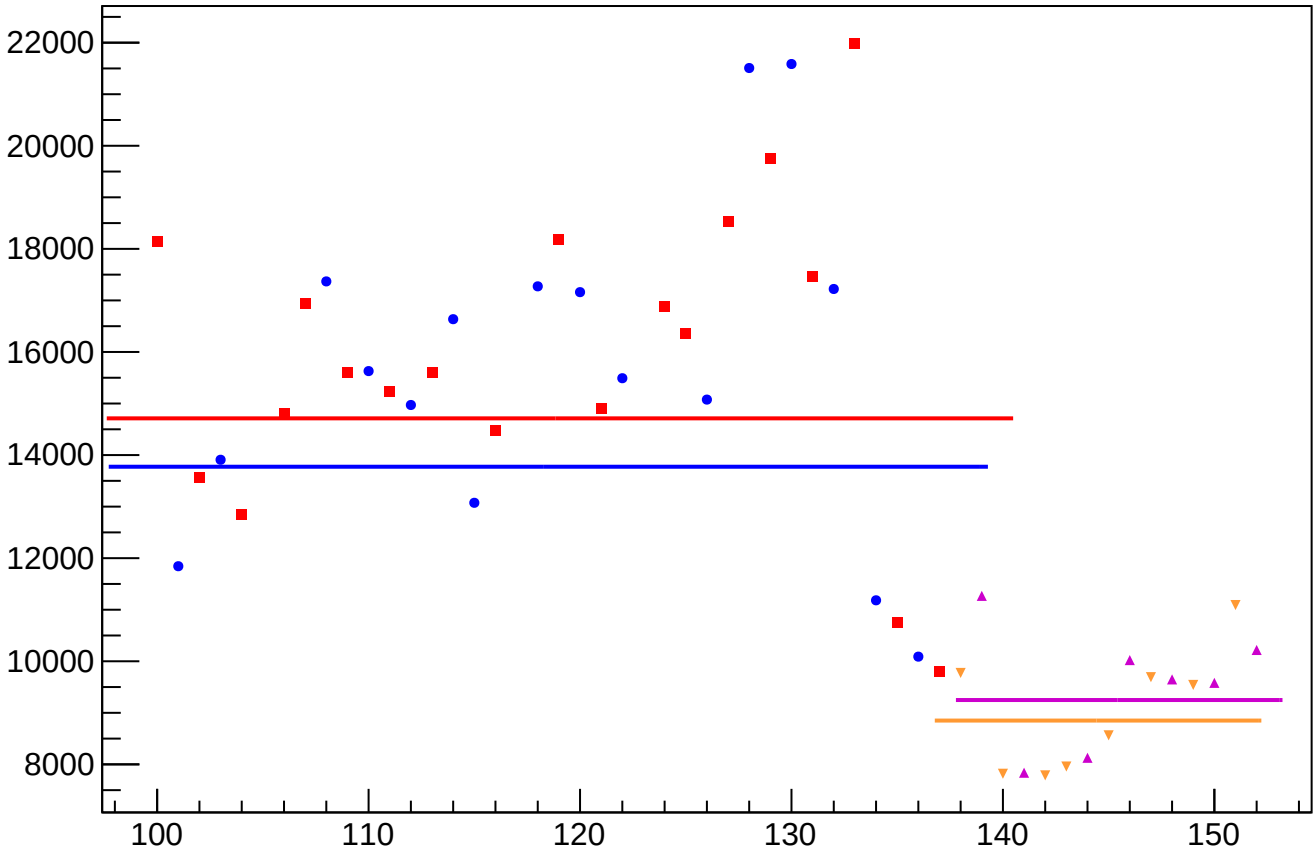
Left: -5.167+/-2.602 χ^2/NDF: 32.1/14

Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

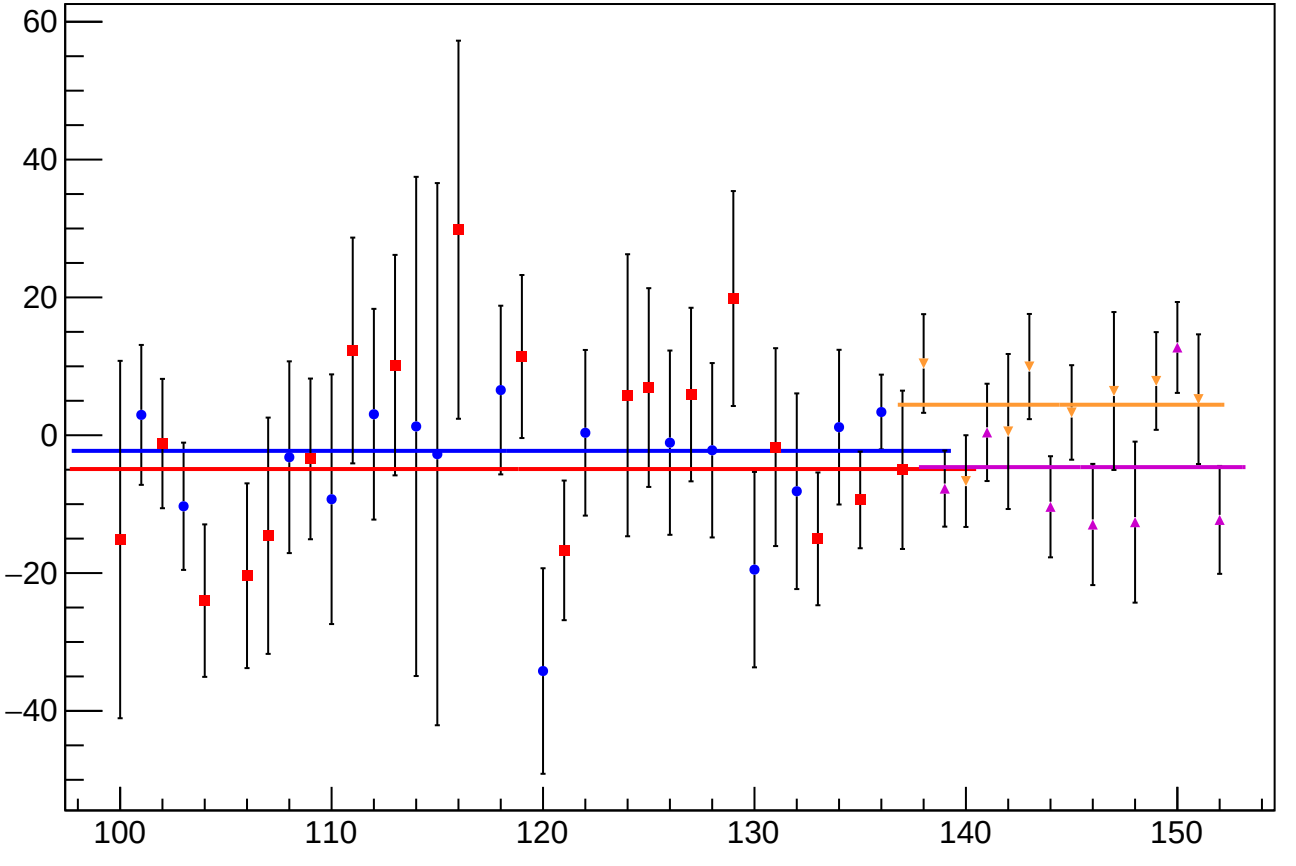
In: -2.543+/-3.070 χ^2/NDF:31.6/22

Out: -4.219+/-3.010 χ^2/NDF:44.9/26

All: -3.397+/-2.149 χ^2/NDF: 76.7/49


diff_bpm4aX_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 13773.886+/-3.741 χ²/NDF: 747586.2/15
Left Out: 8849.817+/-2.544 χ²/NDF:170341.0/7
Right Out: 14712.201+/-3.887 χ²/NDF: 557305.5/18
Left In: 9248.263+/-2.665 χ²/NDF:176427.8/6
Left: 9039.773+/-1.840 χ²/NDF: 358465.2/14
Right: 14225.090+/-2.695 χ²/NDF: 1335141.9/34
In: 10771.751+/-2.171 χ²/NDF:1894780.2/22
Out: 10607.683+/-2.129 χ²/NDF:2320180.4/26
All: 10688.112+/-1.520 χ²/NDF: 4217873.2/4

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: -4.626+/-2.763 χ^2/NDF:10.7/6

Left: -0.165+/-1.968 χ^2/NDF: 20.4/14

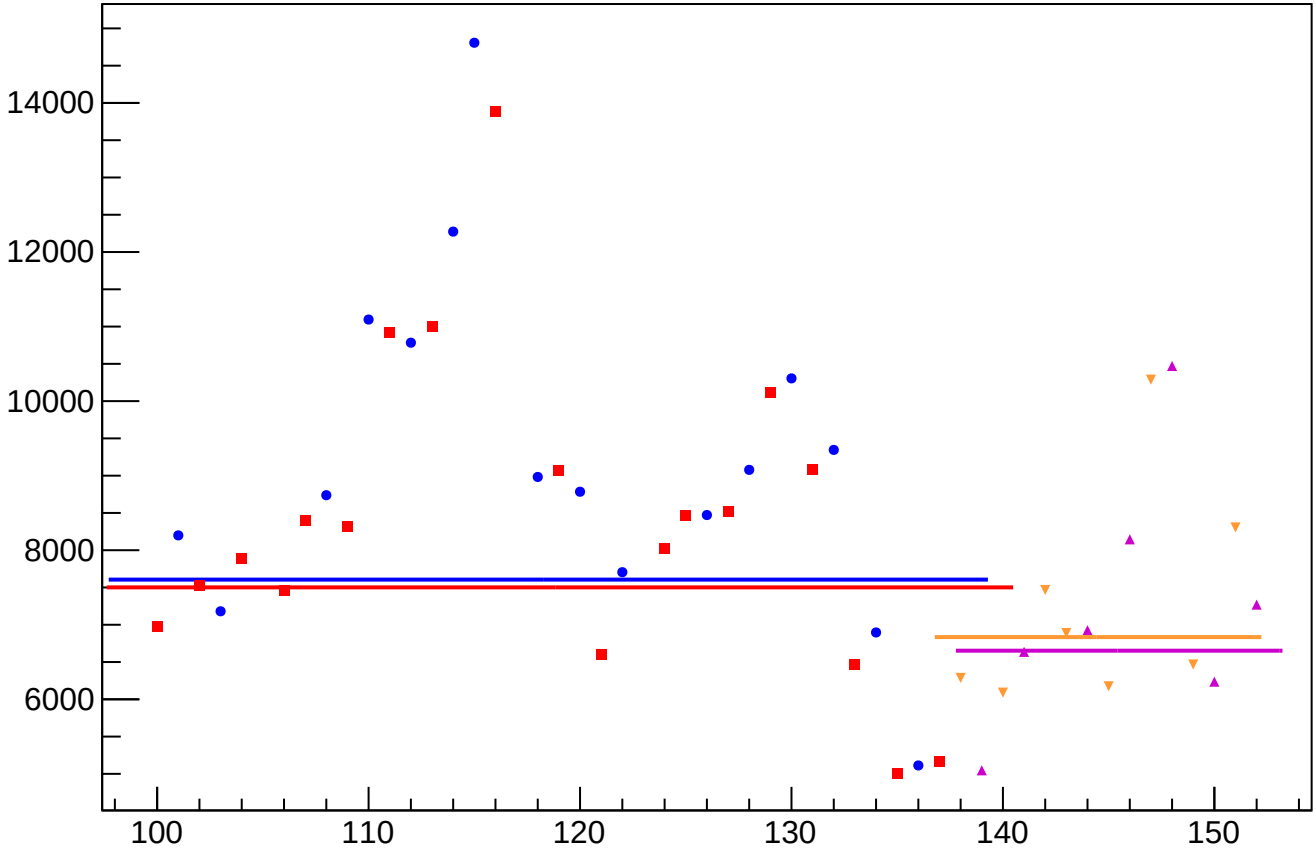
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -3.512+/-2.008 χ^2/NDF:20.3/22

Out: -0.185+/-1.994 χ^2/NDF:27.5/26

All: -1.837+/-1.415 χ^2/NDF: 49.2/49

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: 6652.013+/-1.954 χ^2/NDF:463623.9/6

Left: 6741.973+/-1.392 χ^2/NDF: 765603.7/14

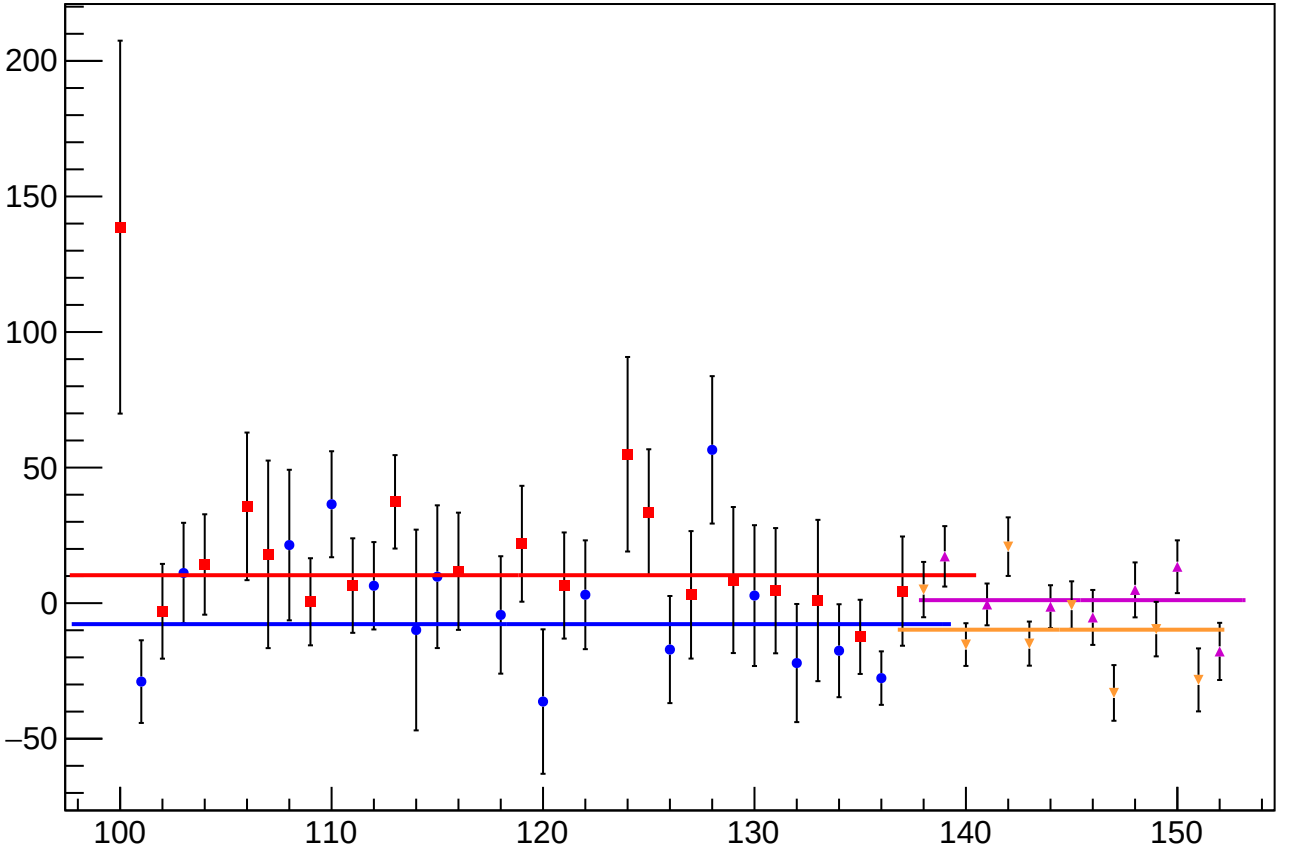
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 7102.179+/-1.420 χ^2/NDF:1467599.6/22

Out: 7164.247+/-1.410 χ^2/NDF:1177169.8/26

All: 7133.427+/-1.000 χ^2/NDF: 2645731.8/49

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: 1.107+/-3.537 χ^2/NDF:7.6/6

Left: -4.640+/-2.432 χ^2/NDF: 32.4/14

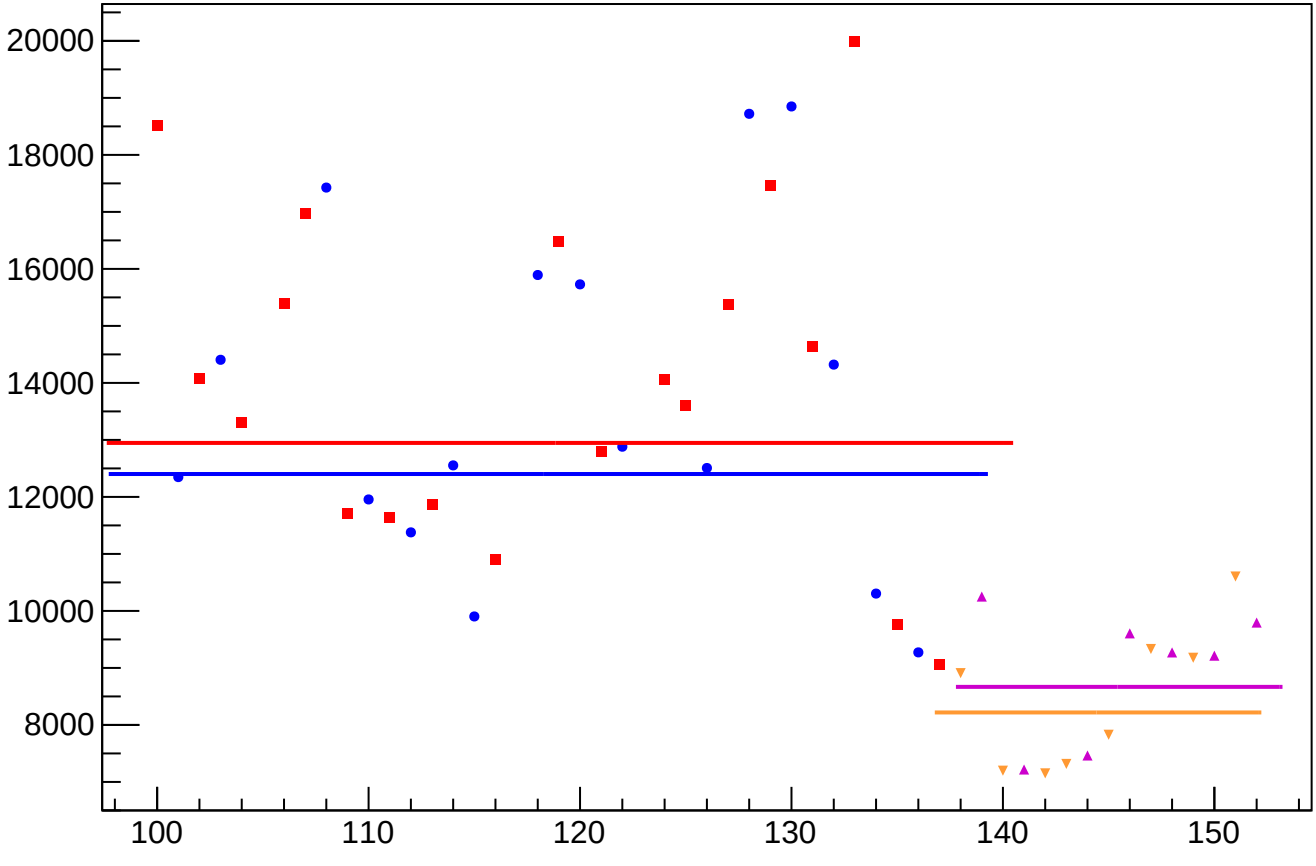
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -2.051+/-2.837 χ^2/NDF:32.5/22

Out: -3.284+/-2.754 χ^2/NDF:45.4/26

All: -2.686+/-1.976 χ^2/NDF: 78.0/49

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: 8667.795+/-2.501 χ^2/NDF:211058.1/6

Left: 8431.055+/-1.719 χ^2/NDF: 445020.8/14

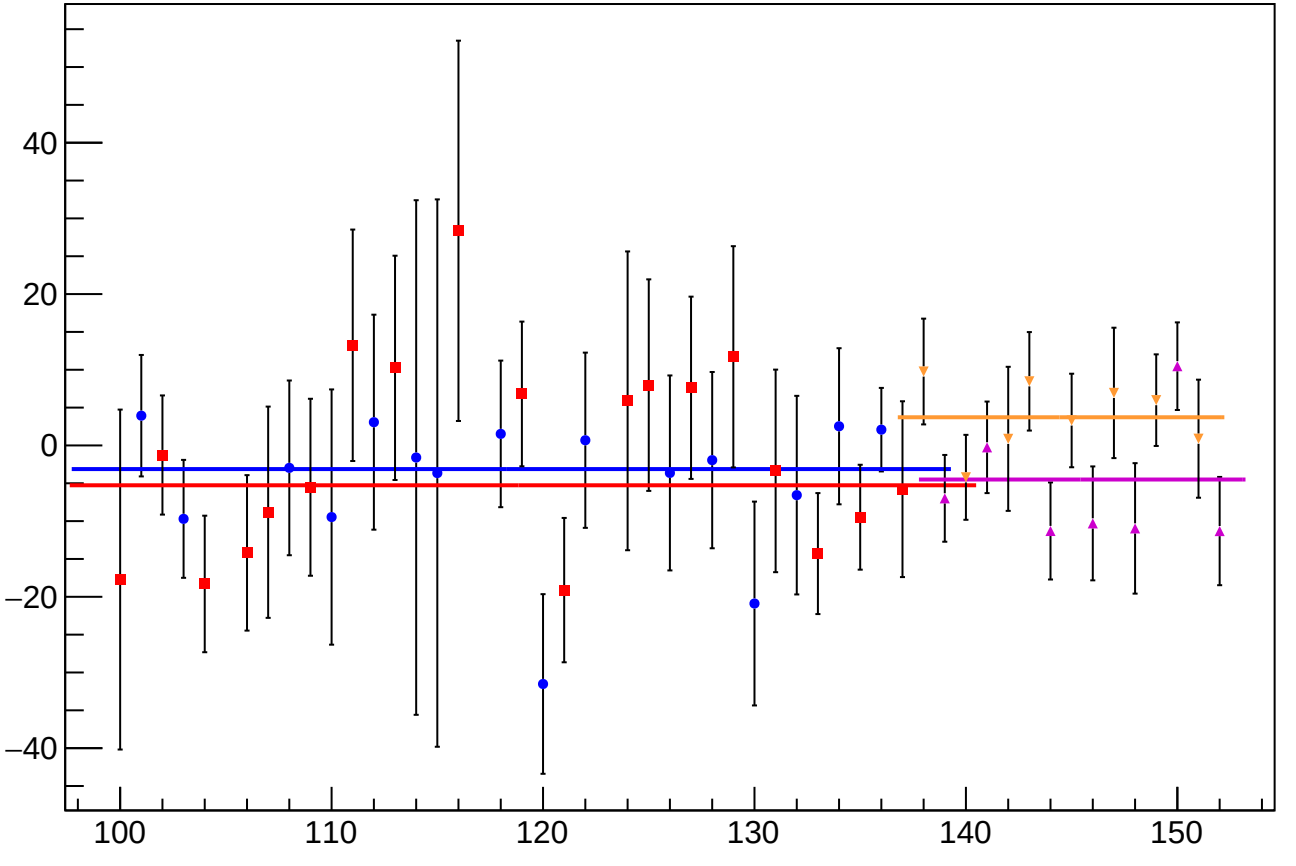
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 10000.443+/-2.006 χ^2/NDF:1684797.9/22

Out: 9749.489+/-1.947 χ^2/NDF:2063230.6/26

All: 9871.238+/-1.397 χ^2/NDF: 3756088.0/49

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: -4.503+/-2.480 χ^2/NDF:10.6/6

Left: -0.296+/-1.733 χ^2/NDF: 20.0/14

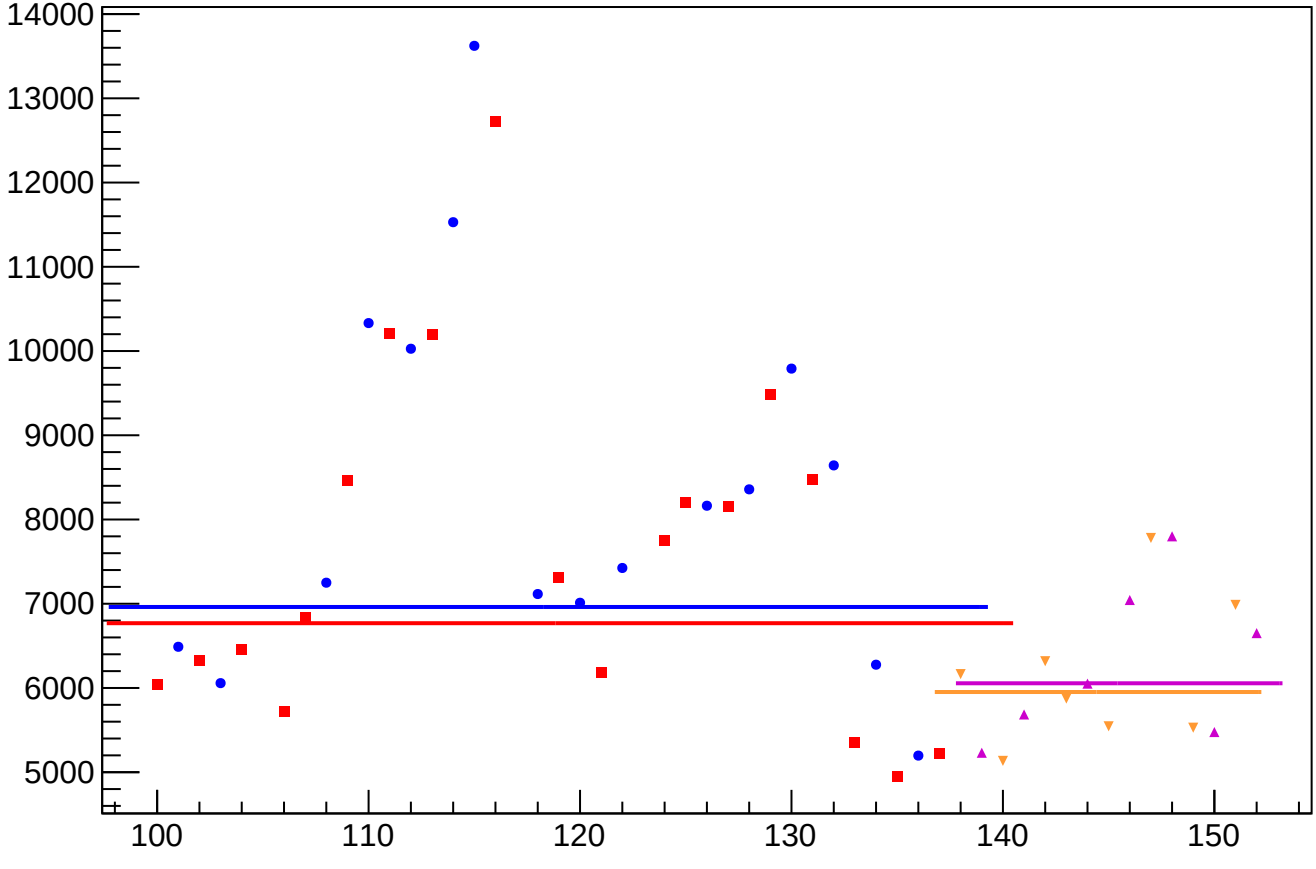
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -3.860+/-1.813 χ^2/NDF:21.6/22

Out: -0.538+/-1.758 χ^2/NDF:27.2/26

All: -2.148+/-1.262 χ^2/NDF: 50.5/49

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: 6055.808+/-1.754 χ^2/NDF:199174.3/6

Left: 6002.773+/-1.226 χ^2/NDF: 392293.9/14

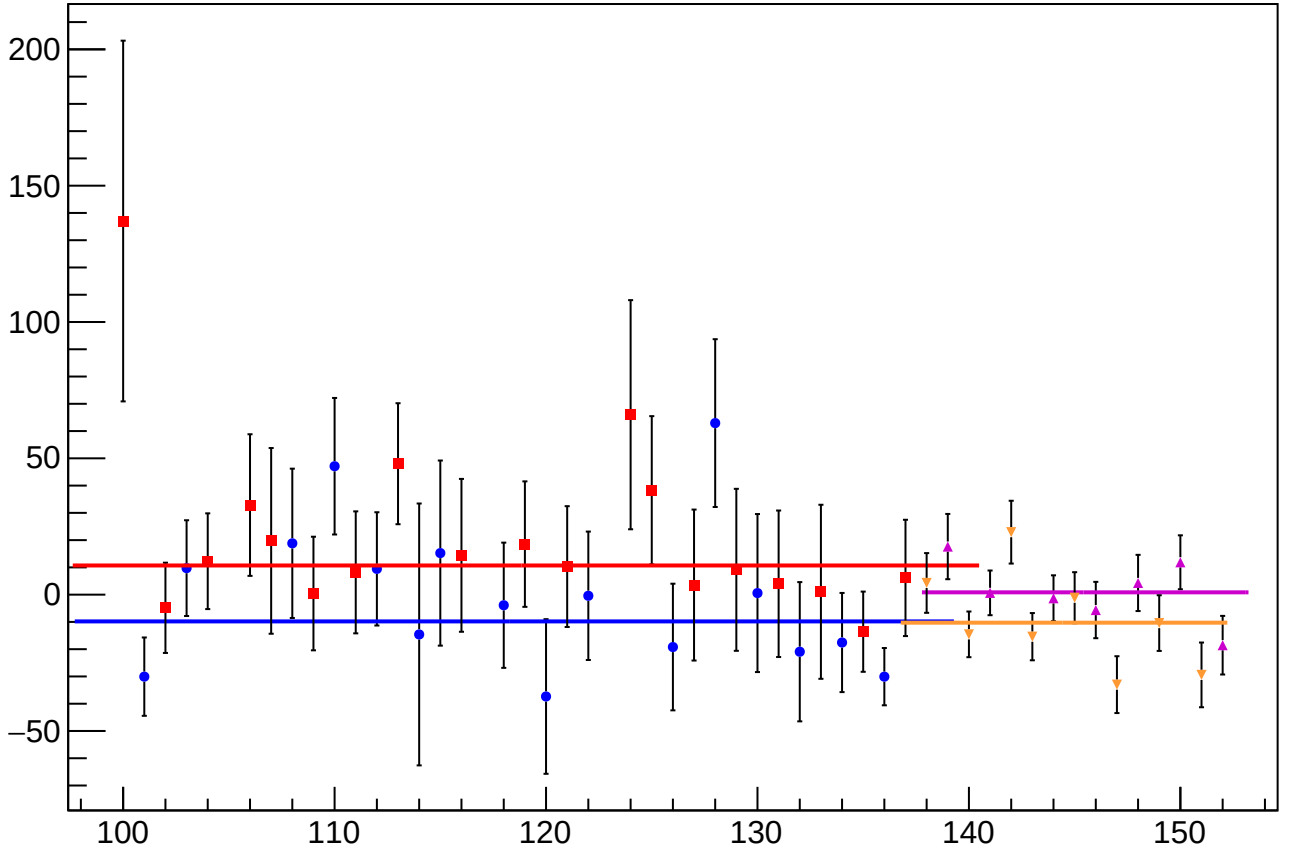
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6477.774+/-1.282 χ^2/NDF:1019866.7/22

Out: 6339.296+/-1.243 χ^2/NDF:1097137.9/26

All: 6406.405+/-0.892 χ^2/NDF: 2123020.9/49

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: 0.852+/-3.685 χ^2/NDF:7.0/6

Left: -4.970+/-2.545 χ^2/NDF: 30.8/14

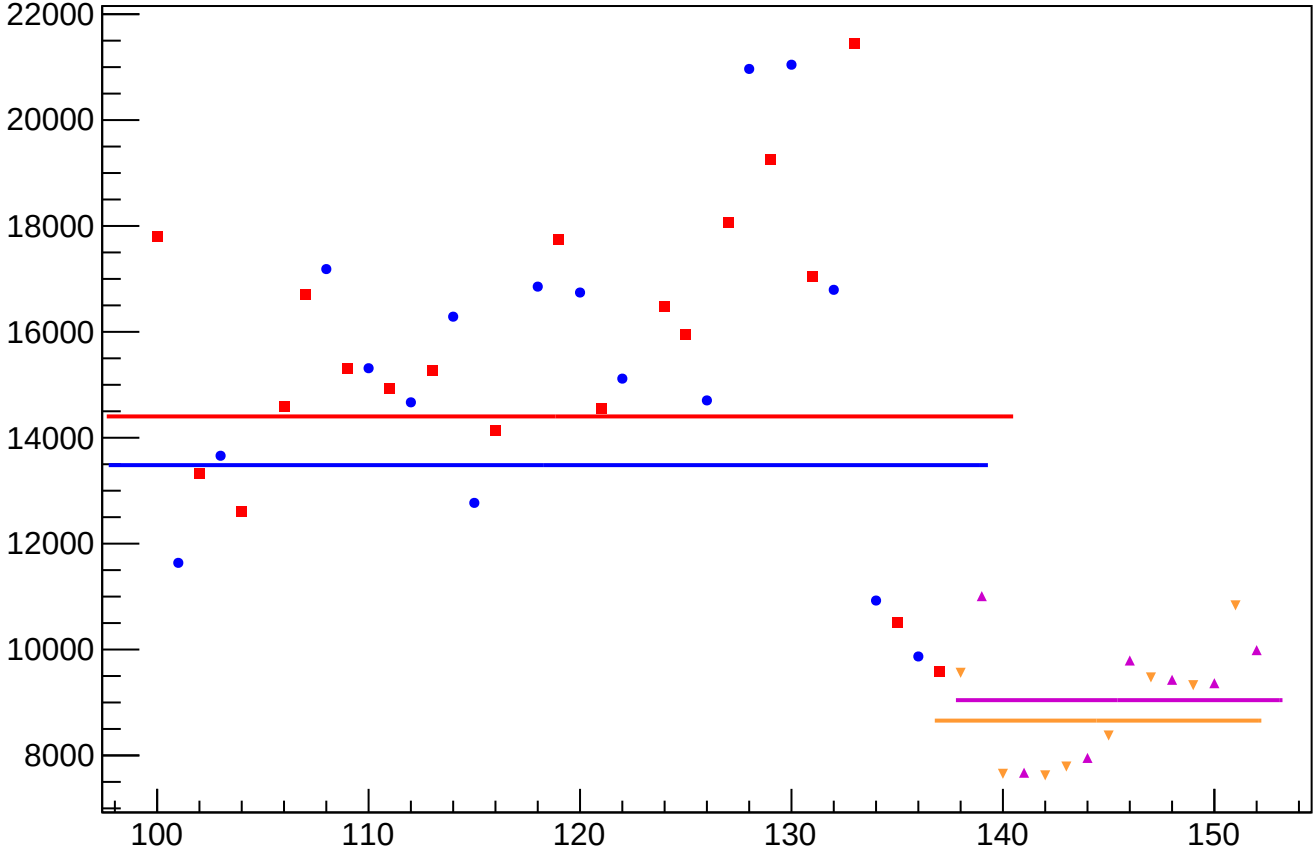
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -2.733+/-3.002 χ^2/NDF:31.9/22

Out: -3.993+/-2.945 χ^2/NDF:44.0/26

All: -3.375+/-2.102 χ^2/NDF: 75.9/49

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: 9043.956+/-2.606 χ^2/NDF:174231.9/6

Left: 8841.928+/-1.800 χ^2/NDF: 354165.9/14

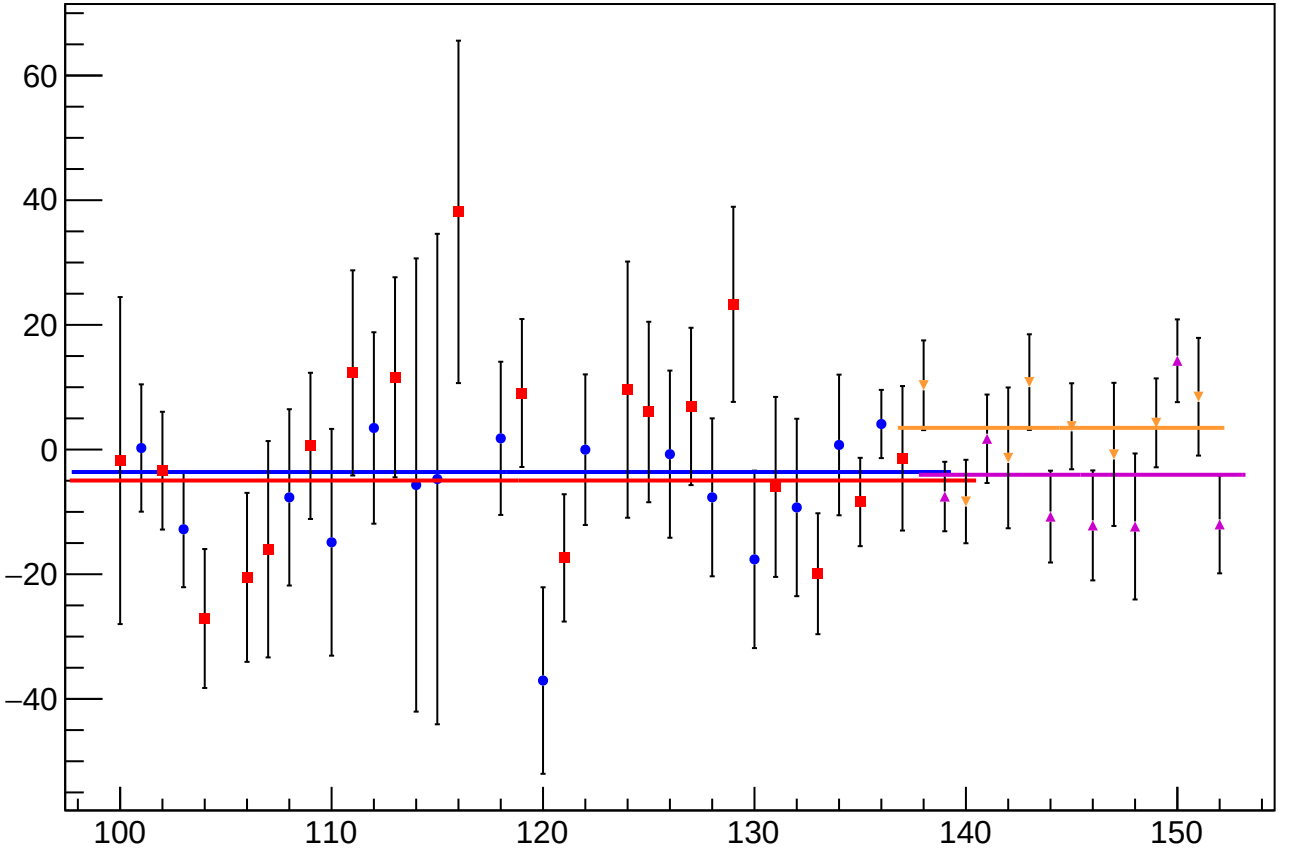
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 10536.378+/-2.123 χ^2/NDF:1893554.8/22

Out: 10378.776+/-2.082 χ^2/NDF:2317867.8/26

All: 10456.055+/-1.487 χ^2/NDF: 4214231.1/4

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: -4.045+/-2.778 χ^2/NDF:11.9/6

Left: -0.335+/-1.978 χ^2/NDF: 21.0/14

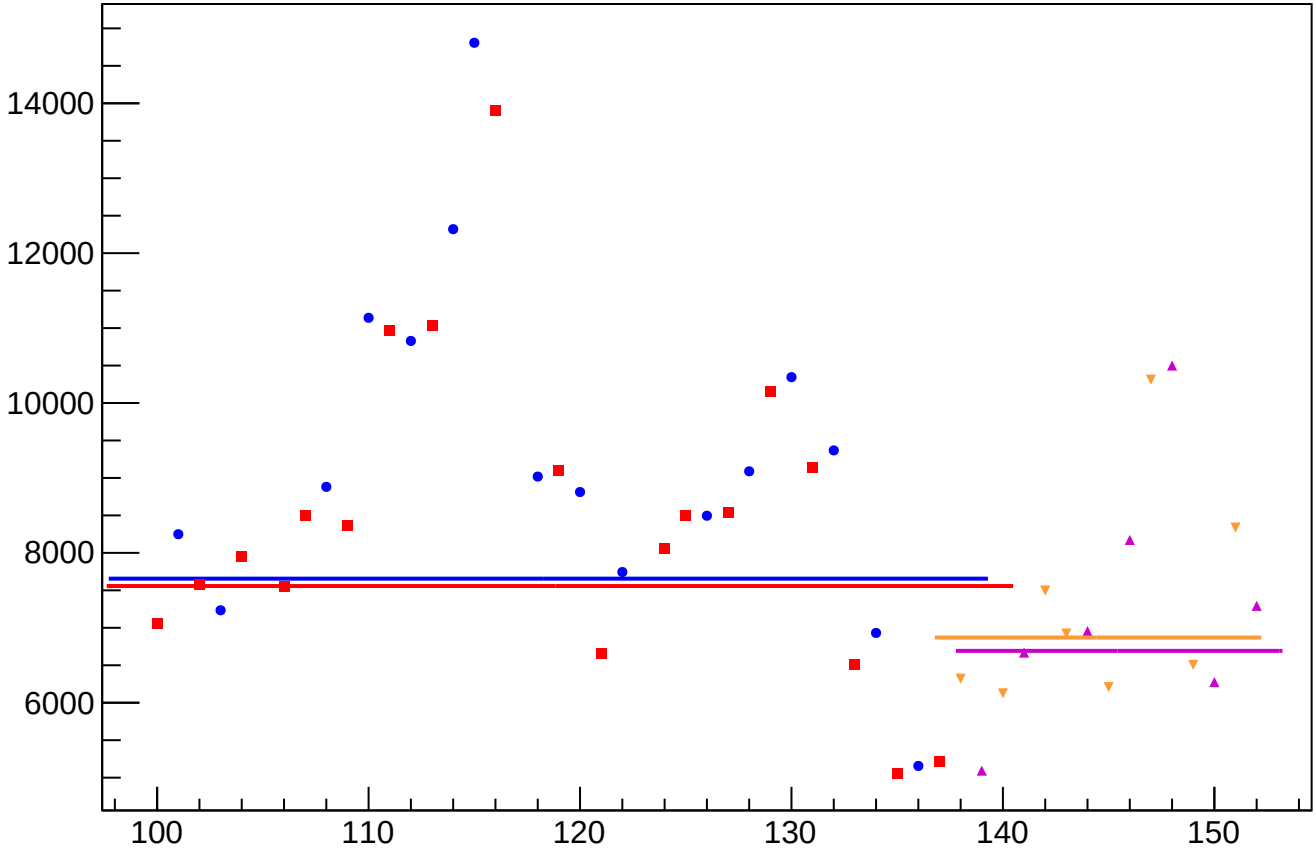
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -3.838+/-2.019 χ^2/NDF:22.3/22

Out: -0.685+/-2.006 χ^2/NDF:31.4/26

All: -2.251+/-1.423 χ^2/NDF: 54.9/49

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: 6692.051+/-1.964 χ^2/NDF:454709.0/6

Left: 6779.870+/-1.399 χ^2/NDF: 753064.9/14

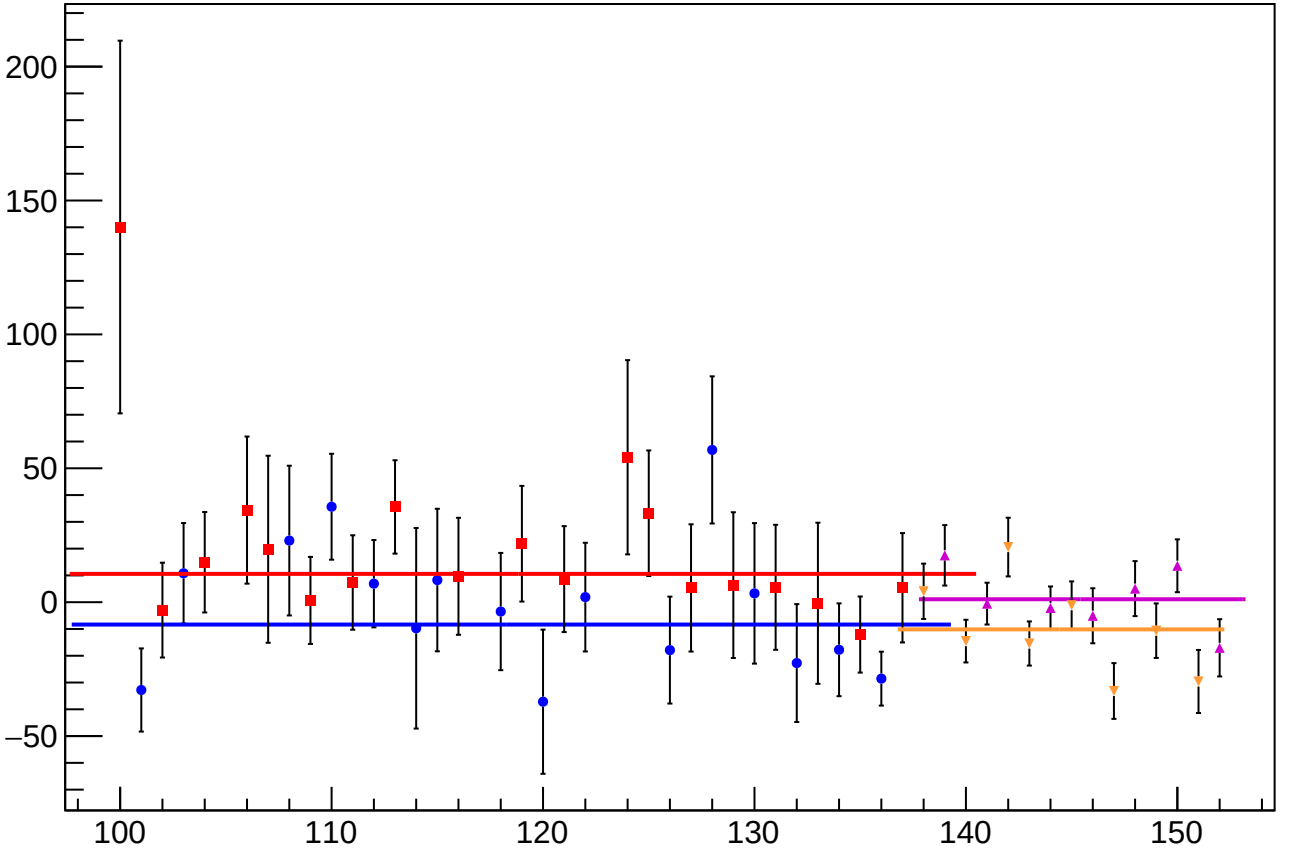
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 7146.691+/-1.428 χ^2/NDF:1448030.0/22

Out: 7209.244+/-1.418 χ^2/NDF:1162874.8/26

All: 7178.180+/-1.006 χ^2/NDF: 2611871.0/49

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: 1.099+/-3.585 χ^2/NDF:7.3/6

Left: -4.838+/-2.464 χ^2/NDF: 31.6/14

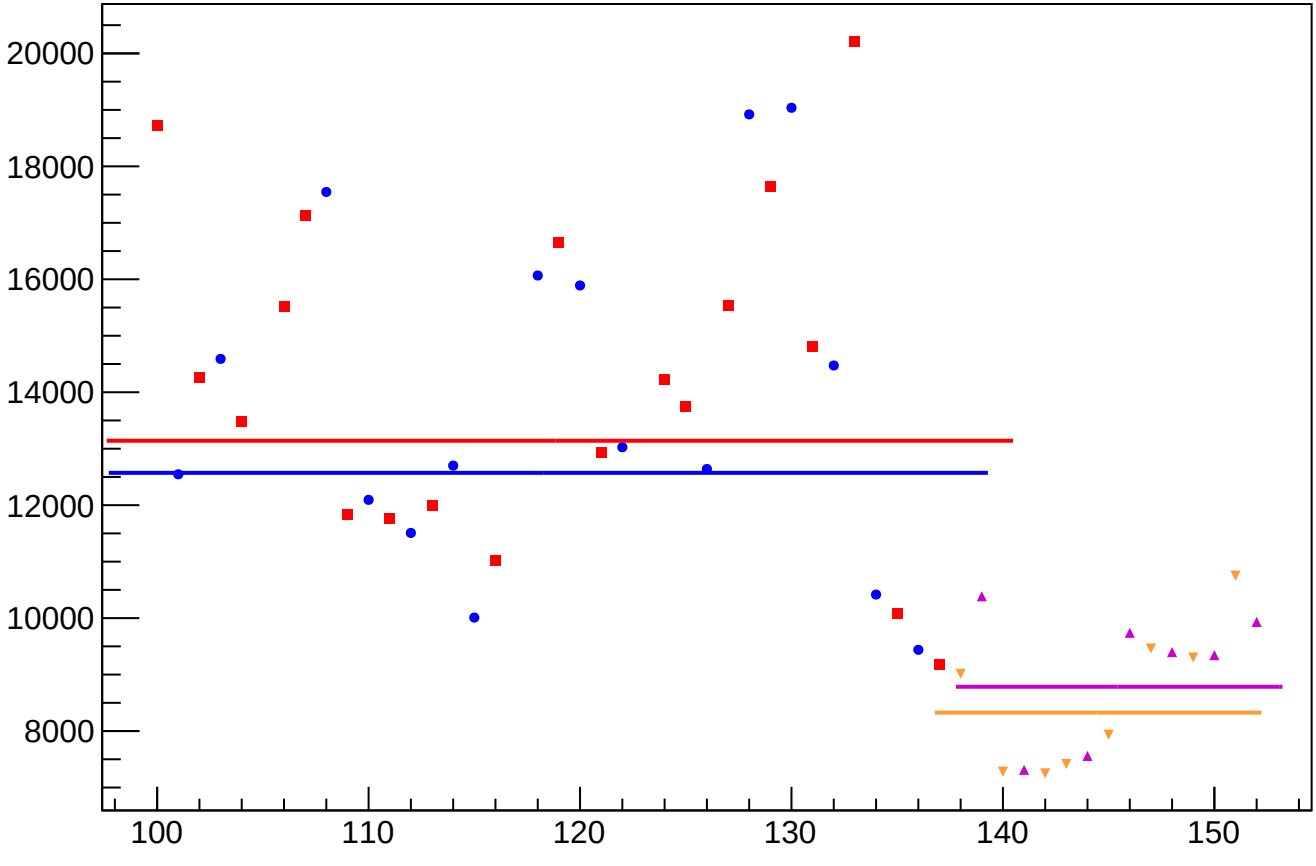
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -2.272+/-2.875 χ^2/NDF:33.0/22

Out: -3.459+/-2.791 χ^2/NDF:44.1/26

All: -2.883+/-2.003 χ^2/NDF: 77.2/49

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: 8784.304+/-2.535 χ^2/NDF:211951.8/6

Left: 8542.815+/-1.742 χ^2/NDF: 446952.2/14

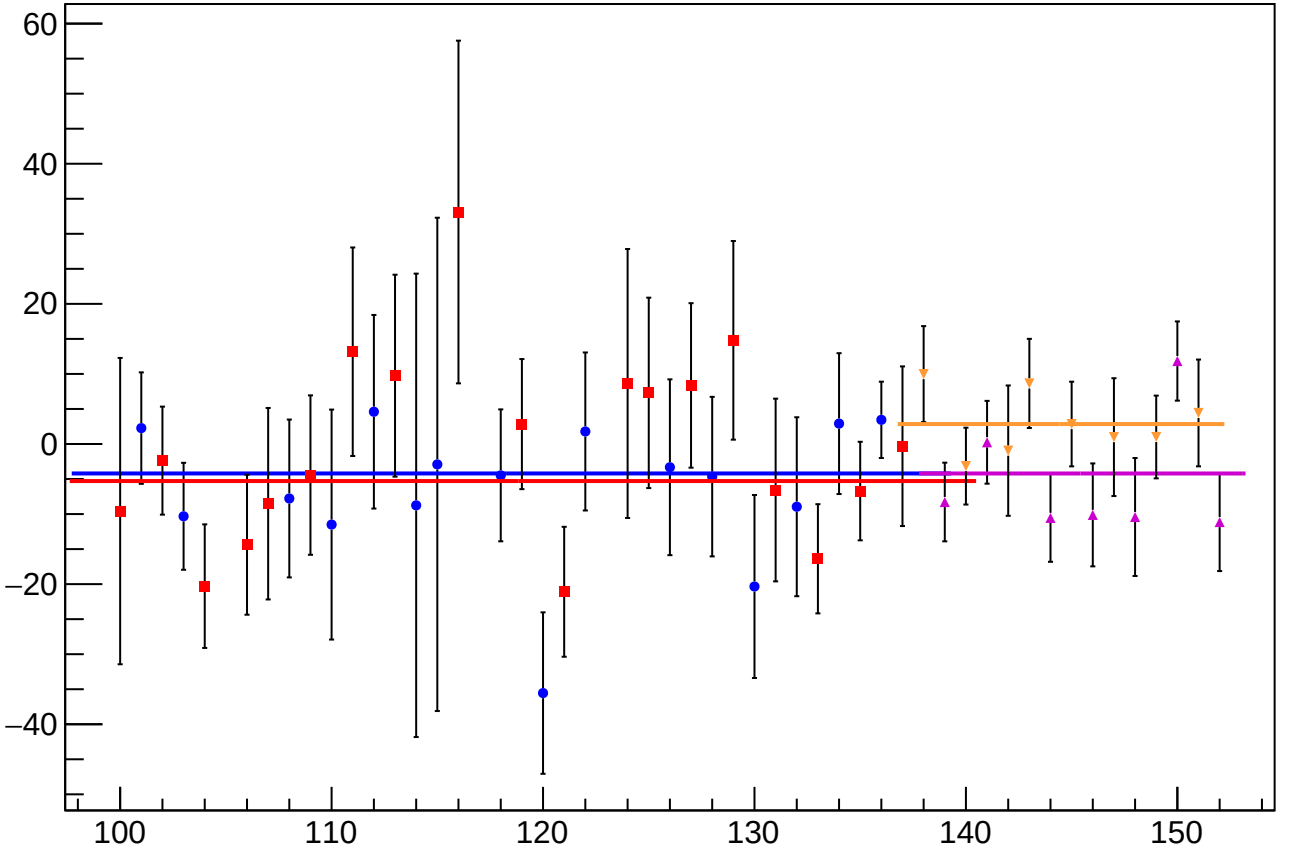
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 10135.760+/-2.033 χ^2/NDF:1673744.1/22

Out: 9881.825+/-1.974 χ^2/NDF:2053924.8/26

All: 10005.027+/-1.416 χ^2/NDF: 3735700.7/4

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: -4.207+/-2.424 χ^2/NDF:12.3/6

Left: -0.599+/-1.694 χ^2/NDF: 20.1/14

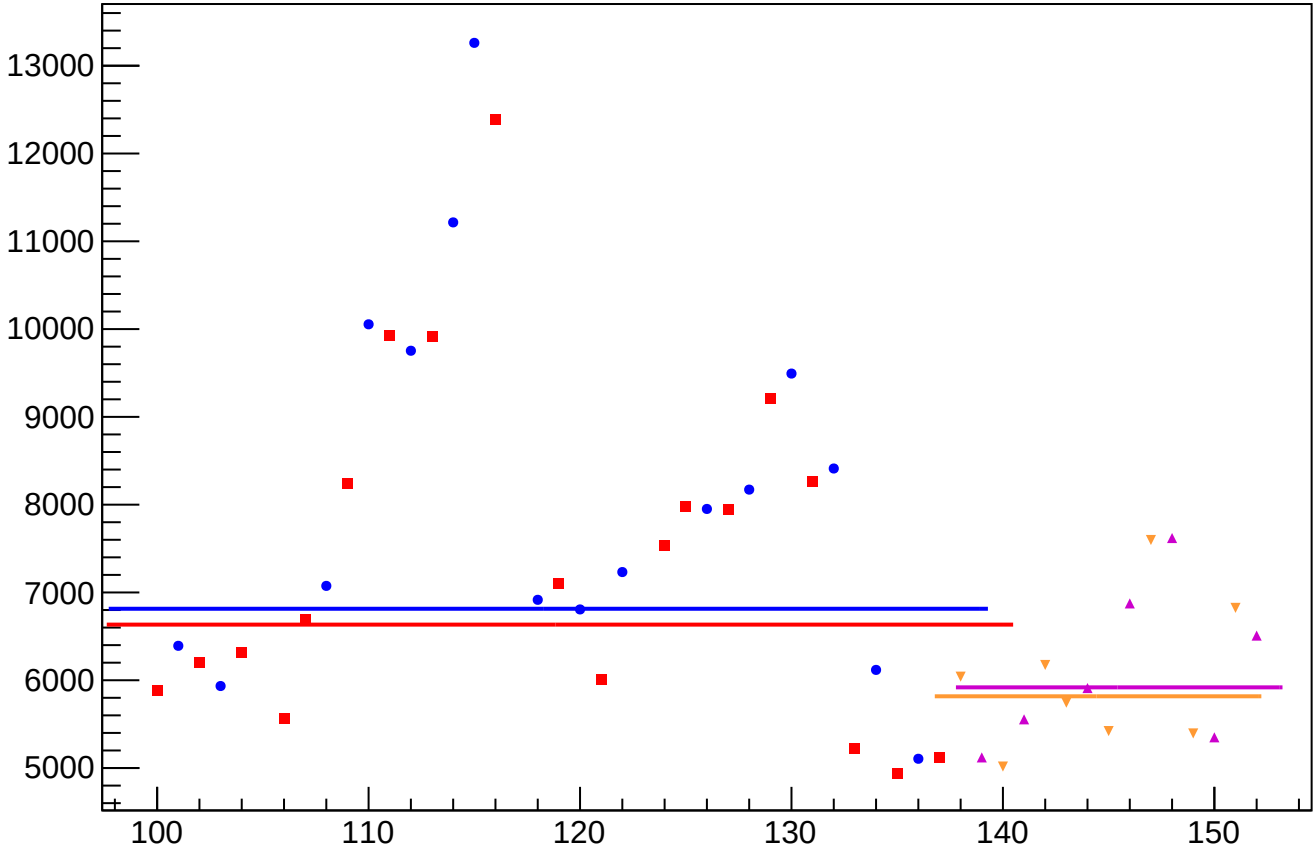
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -4.206+/-1.773 χ^2/NDF:26.2/22

Out: -0.998+/-1.720 χ^2/NDF:28.8/26

All: -2.553+/-1.235 χ^2/NDF: 56.7/49

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: 5919.028+/-1.714 χ^2/NDF:197983.9/6

Left: 5866.922+/-1.198 χ^2/NDF: 391141.6/14

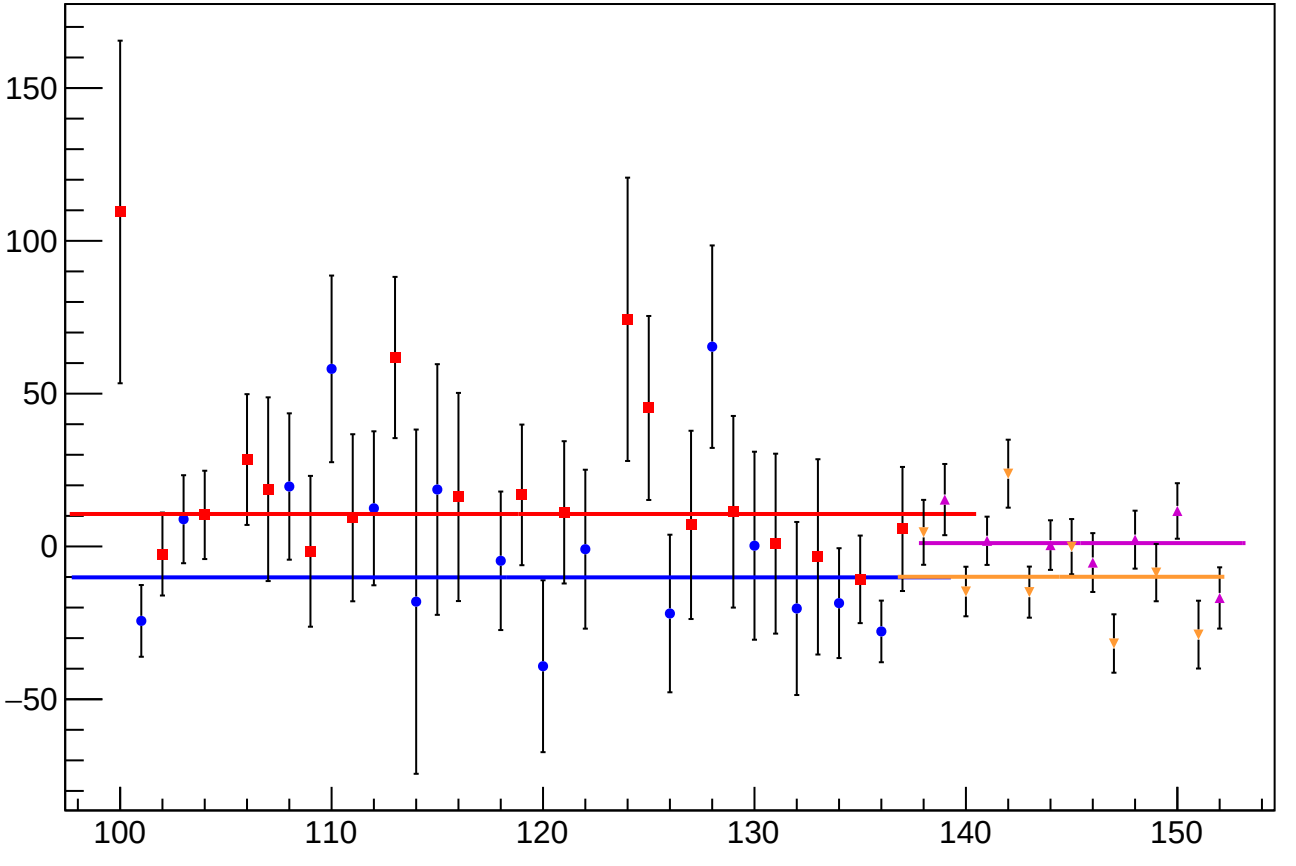
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6335.269+/-1.254 χ^2/NDF:998918.2/22

Out: 6203.064+/-1.216 χ^2/NDF:1067036.0/26

All: 6267.159+/-0.873 χ^2/NDF: 2071682.6/49

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: 1.096+/-3.480 χ^2/NDF:6.5/6

Left: -4.627+/-2.413 χ^2/NDF: 32.8/14

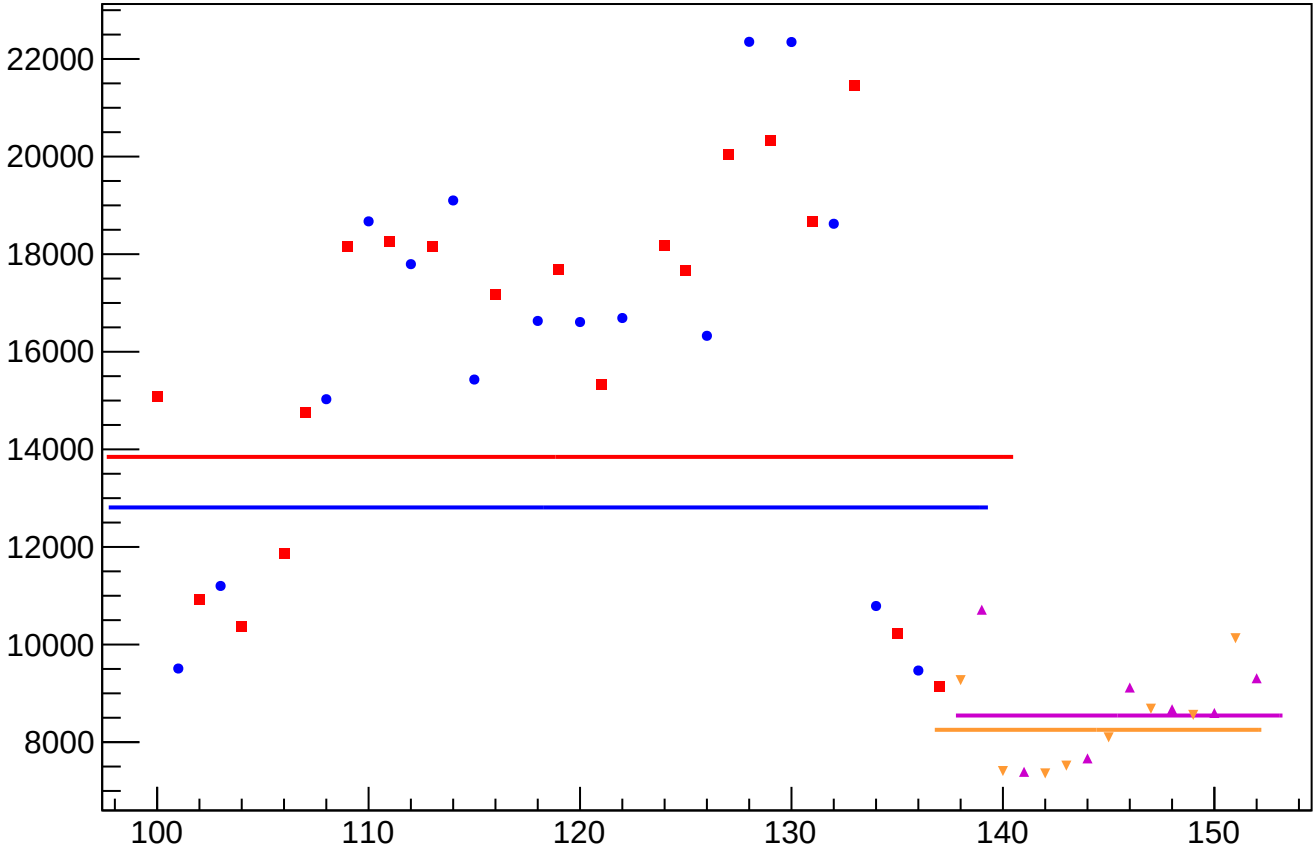
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -2.545+/-2.860 χ^2/NDF:31.1/22

Out: -4.025+/-2.827 χ^2/NDF:46.7/26

All: -3.294+/-2.011 χ^2/NDF: 78.0/49

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: 8545.649+/-2.461 χ^2/NDF:154590.1/6

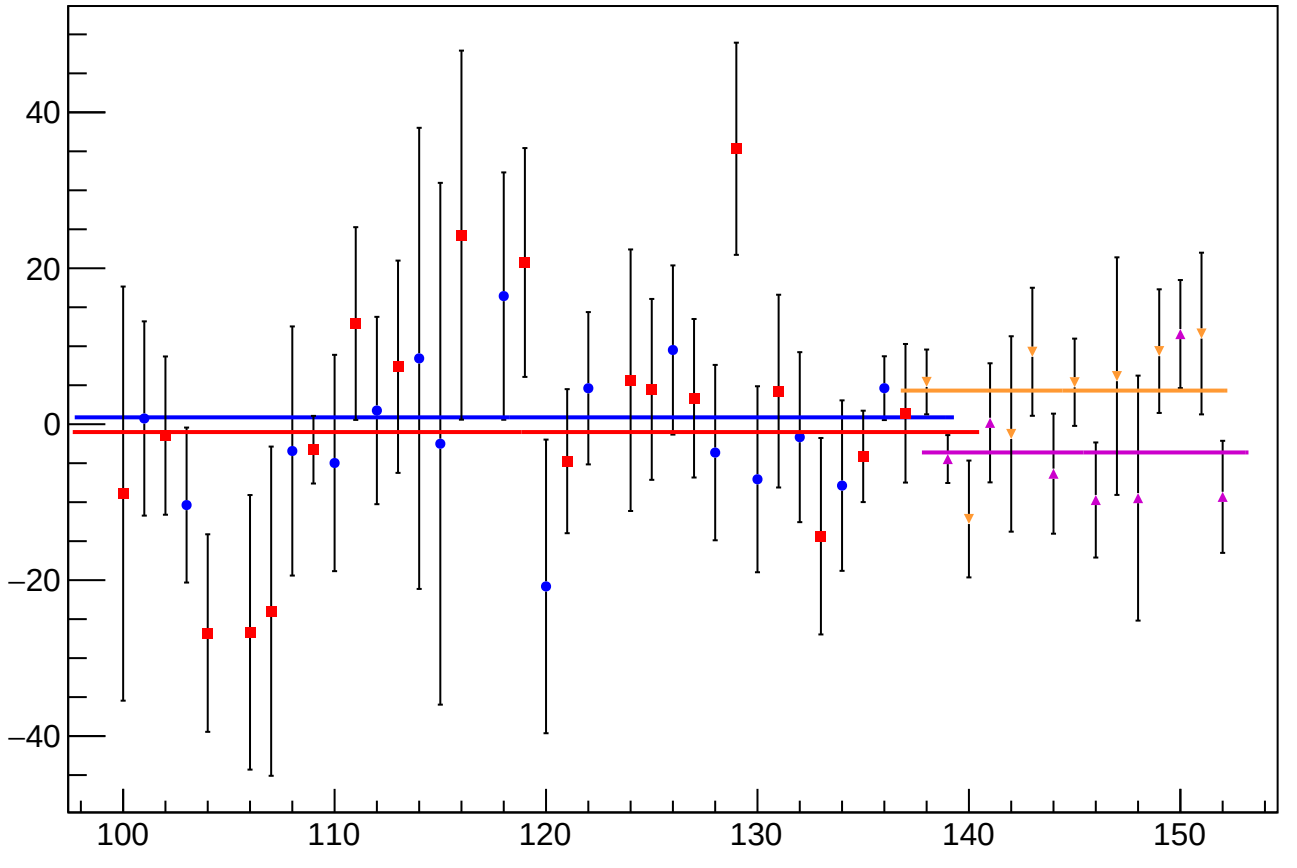
Left: 8393.573+/-1.706 χ^2/NDF: 294412.5/14

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9930.844+/-2.022 χ^2/NDF:2378306.7/22

Out: 9858.585+/-1.999 χ^2/NDF:2830768.3/26

All: 9894.307+/-1.422 χ^2/NDF: 5209720.8/49



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: -3.622+/-2.222 χ^2/NDF:6.7/6

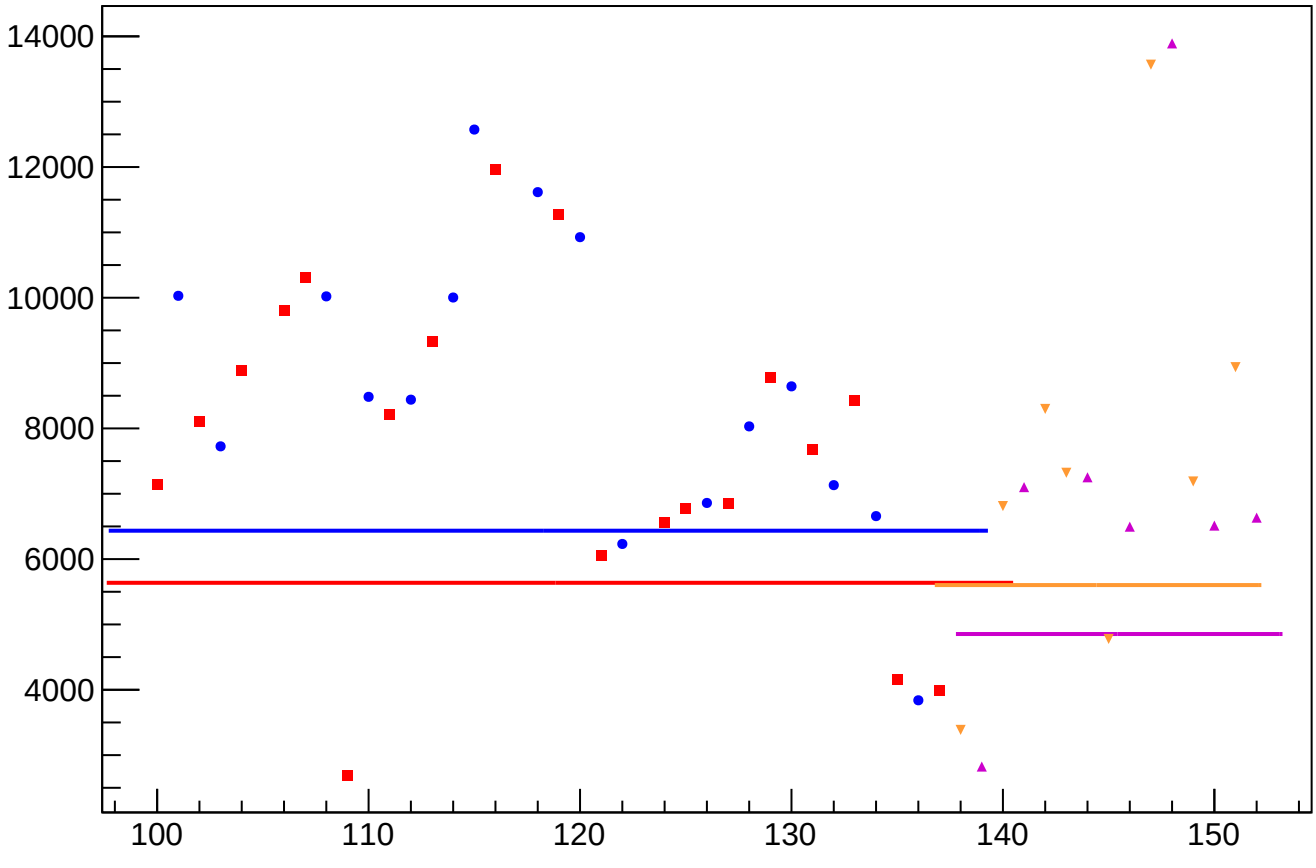
Left: -0.140+/-1.665 χ^2/NDF: 18.7/14

Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -1.692+/-1.680 χ^2/NDF:15.3/22

Out: 1.435+/-1.702 χ^2/NDF:31.2/26

All: -0.149+/-1.196 χ^2/NDF: 48.1/49



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: 4853.456+/-1.571 χ^2/NDF:2237462.6/6

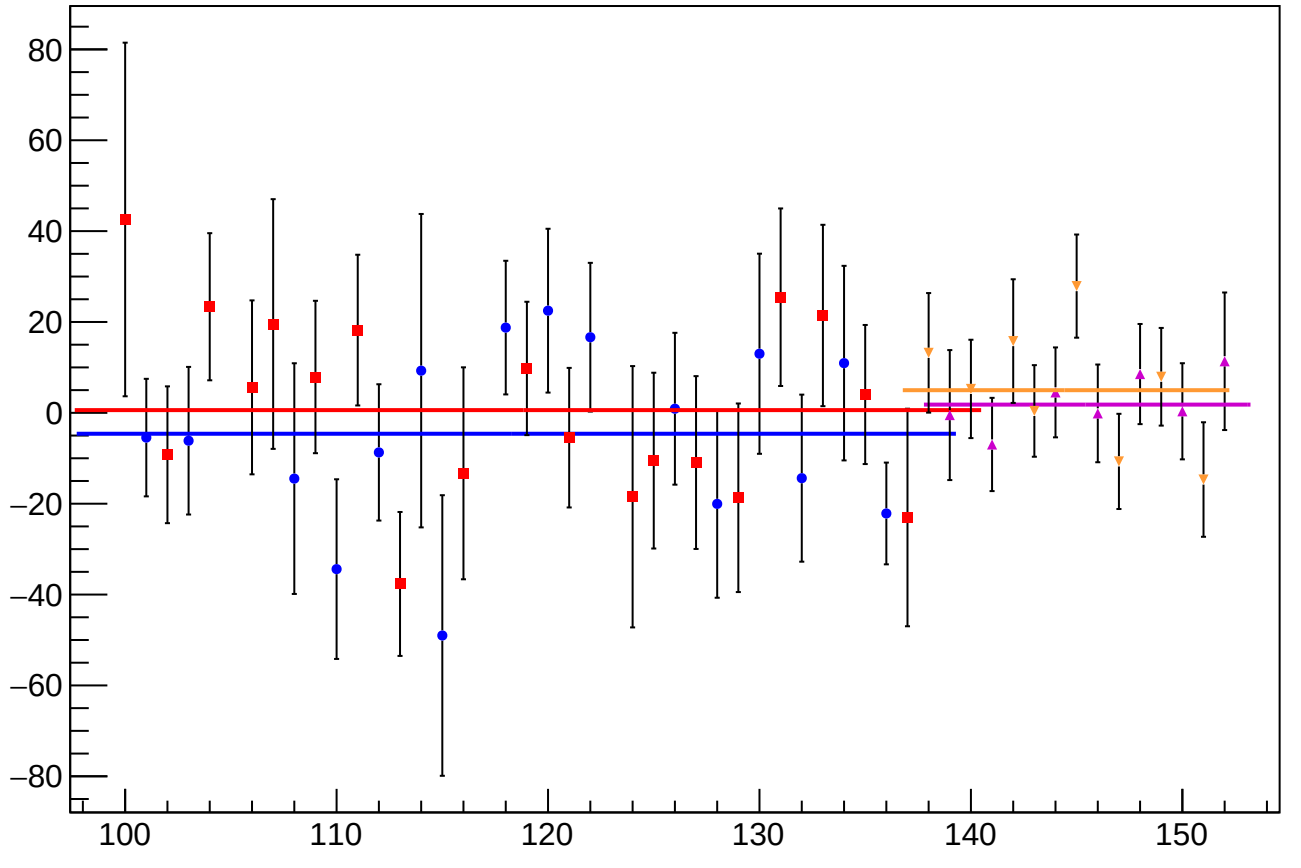
Left: 5182.173+/-1.177 χ^2/NDF: 4015324.3/14

Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5530.974+/-1.188 χ^2/NDF:4422003.5/22

Out: 5621.363+/-1.204 χ^2/NDF:4258340.7/26

All: 5575.572+/-0.845 χ^2/NDF: 8683201.5/49



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: 1.812+/-4.273 χ^2/NDF:1.7/6

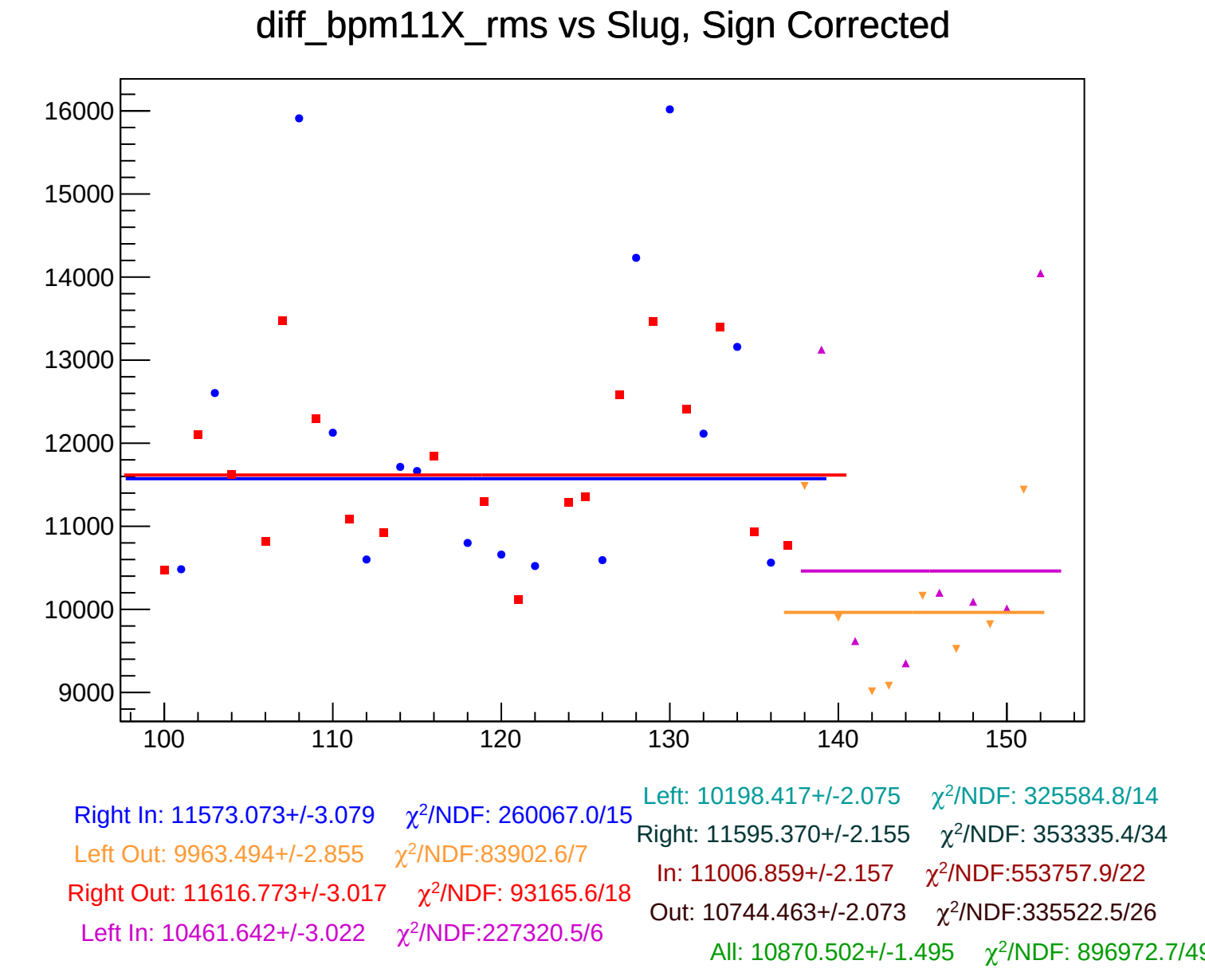
Left: 3.488+/-2.935 χ^2/NDF: 12.0/14

Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

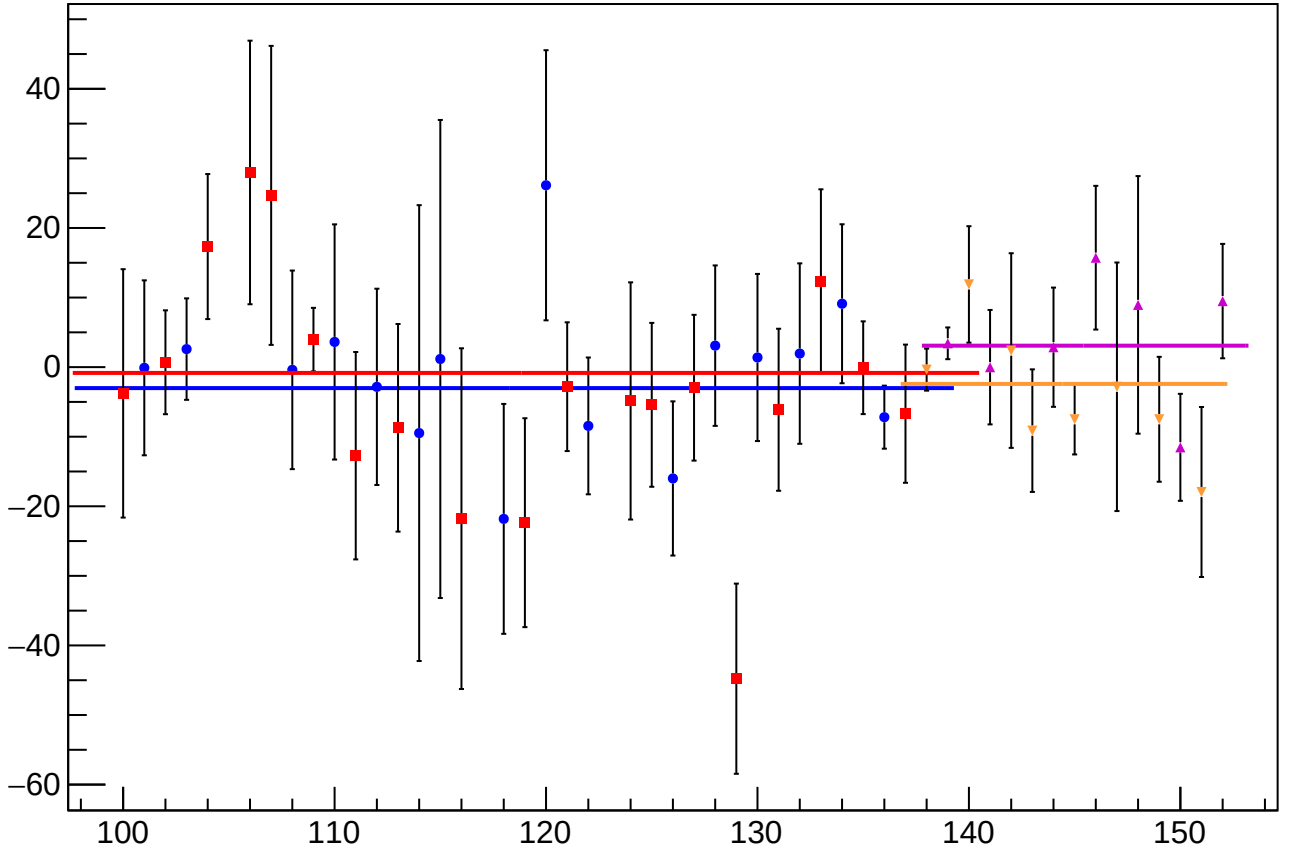
In: -1.334+/-3.050 χ^2/NDF:18.5/22

Out: 2.913+/-2.932 χ^2/NDF:28.5/26

All: 0.873+/-2.114 χ^2/NDF: 48.0/49


diff_bpm11X_rms vs Slug, Sign Corrected
16000
15000
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 9963.494+/-2.855 χ²/NDF:83902.6/7
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 10461.642+/-3.022 χ²/NDF:227320.5/6
Left: 10198.417+/-2.075 χ²/NDF: 325584.8/14
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 11006.859+/-2.157 χ²/NDF:553757.9/22
Out: 10744.463+/-2.073 χ²/NDF:335522.5/26
All: 10870.502+/-1.495 χ²/NDF: 896972.7/49

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: 3.083+/-1.943 χ^2/NDF:6.0/6

Left: 0.695+/-1.461 χ^2/NDF: 16.5/14

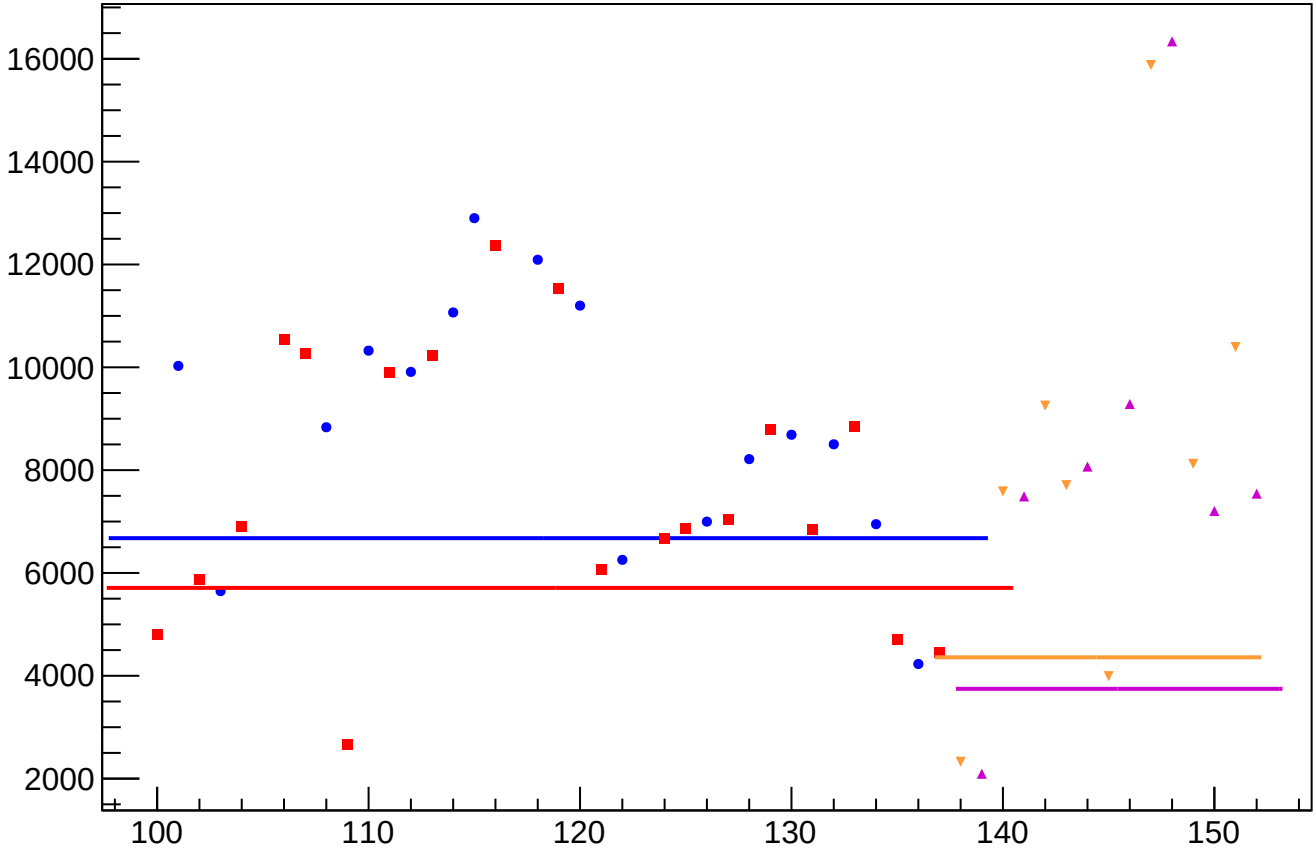
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.955+/-1.568 χ^2/NDF:18.1/22

Out: -1.669+/-1.613 χ^2/NDF:31.1/26

All: -0.320+/-1.124 χ^2/NDF: 50.5/49

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: 3746.348+/-1.374 χ^2/NDF:4304508.0/6

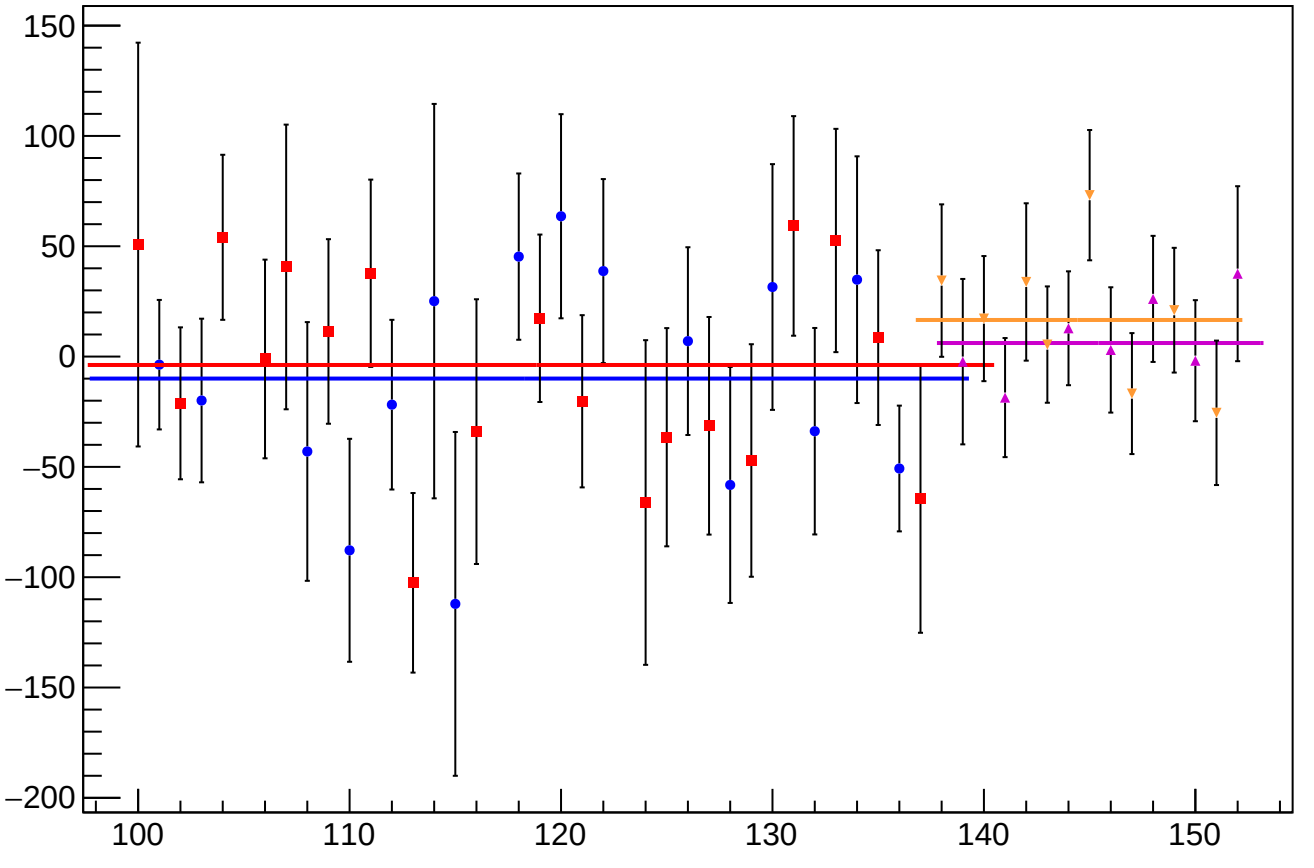
Left: 4012.738+/-1.033 χ^2/NDF: 7810641.7/14

Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 4769.301+/-1.109 χ^2/NDF:7464760.0/22

Out: 4994.696+/-1.141 χ^2/NDF:6070004.8/26

All: 4878.810+/-0.795 χ^2/NDF: 13554843.1/4



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: 6.144+/-11.170 χ^2/NDF:2.2/6

Left: 11.658+/-7.673 χ^2/NDF: 10.1/14

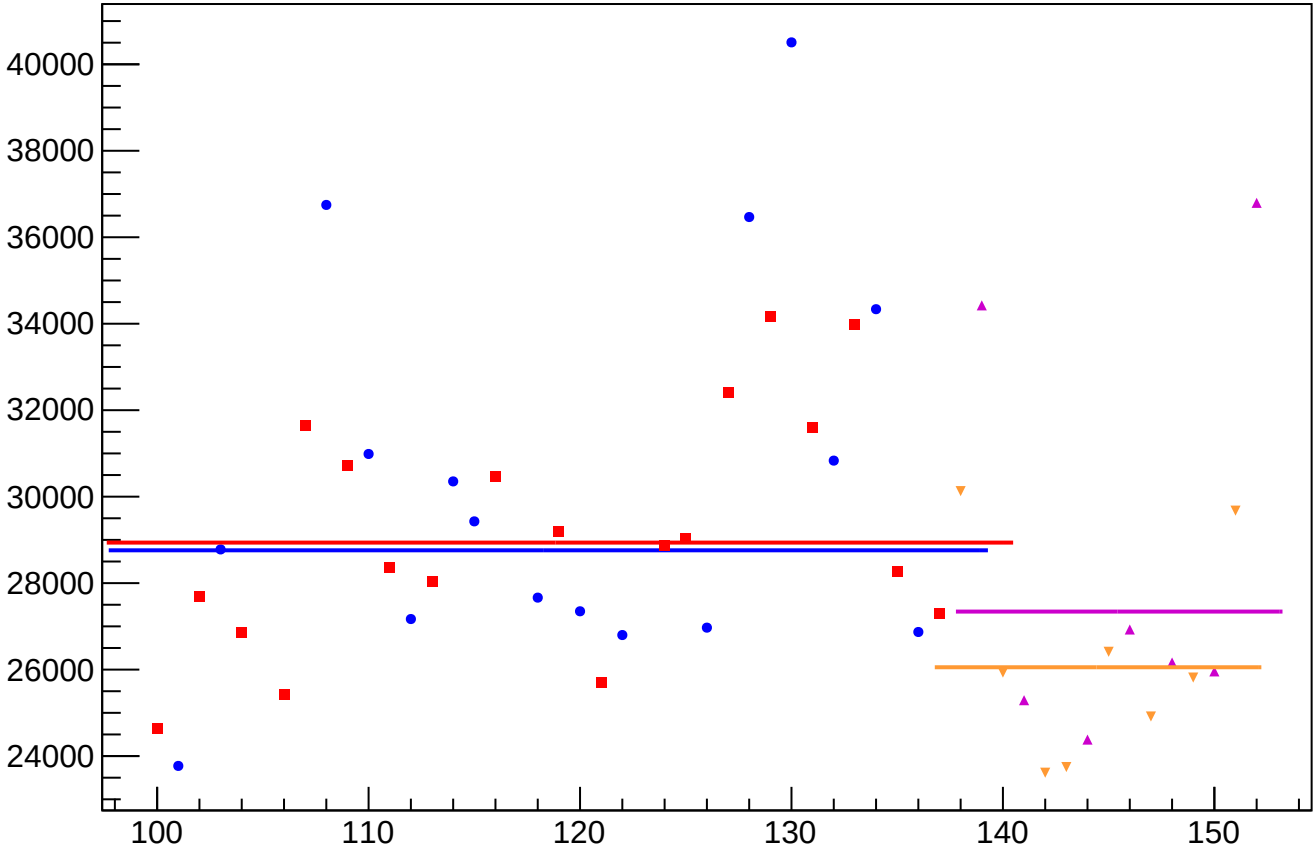
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -2.157+/-7.778 χ^2/NDF:18.5/22

Out: 6.460+/-7.494 χ^2/NDF:26.7/26

All: 2.312+/-5.396 χ^2/NDF: 45.8/49

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: 27342.019+/-7.898 χ^2/NDF:231846.7/6

Left: 26661.953+/-5.426 χ^2/NDF: 326787.4/14

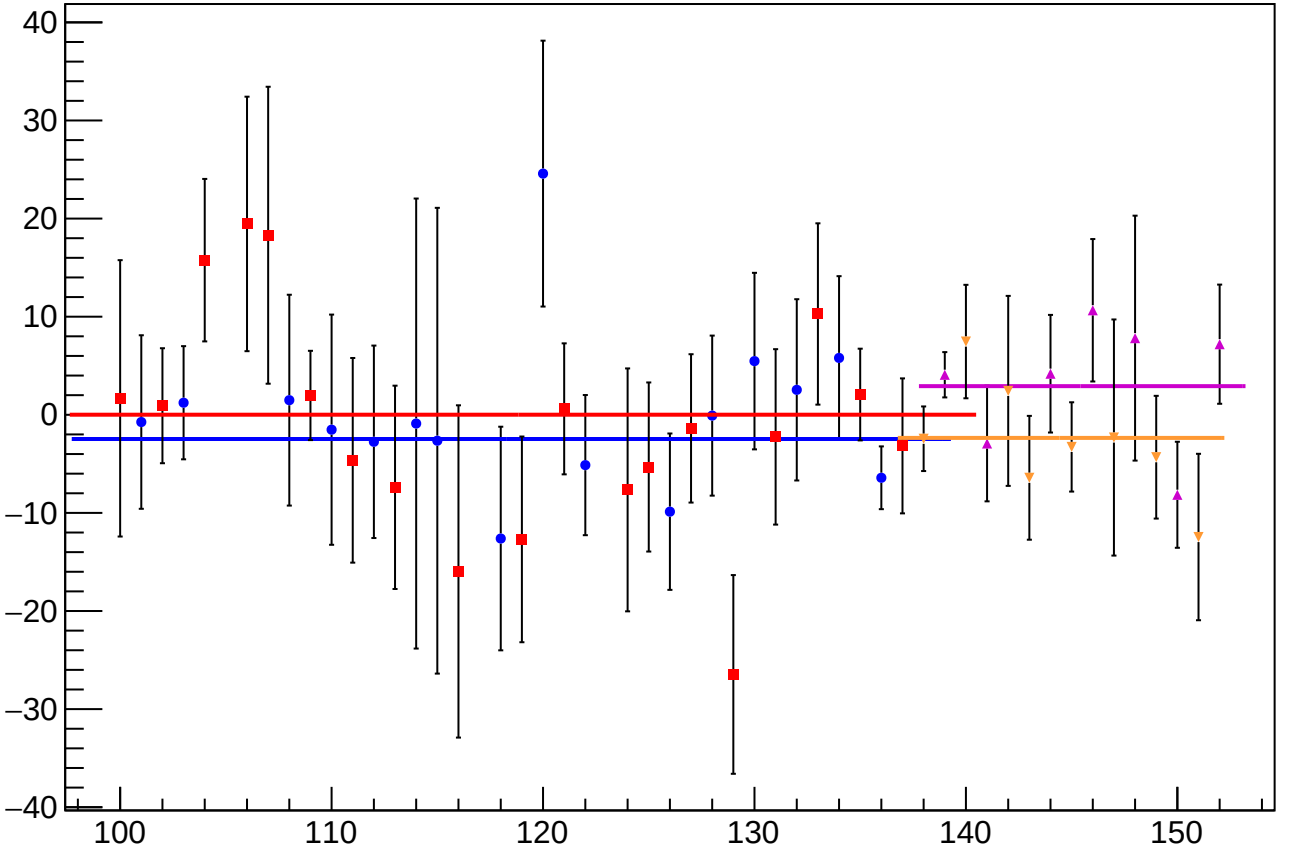
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28072.027+/-5.500 χ^2/NDF:526069.4/22

Out: 27485.436+/-5.299 χ^2/NDF:261194.1/26

All: 27767.823+/-3.816 χ^2/NDF: 793163.3/49

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: 2.921+/-1.738 χ^2/NDF:7.3/6

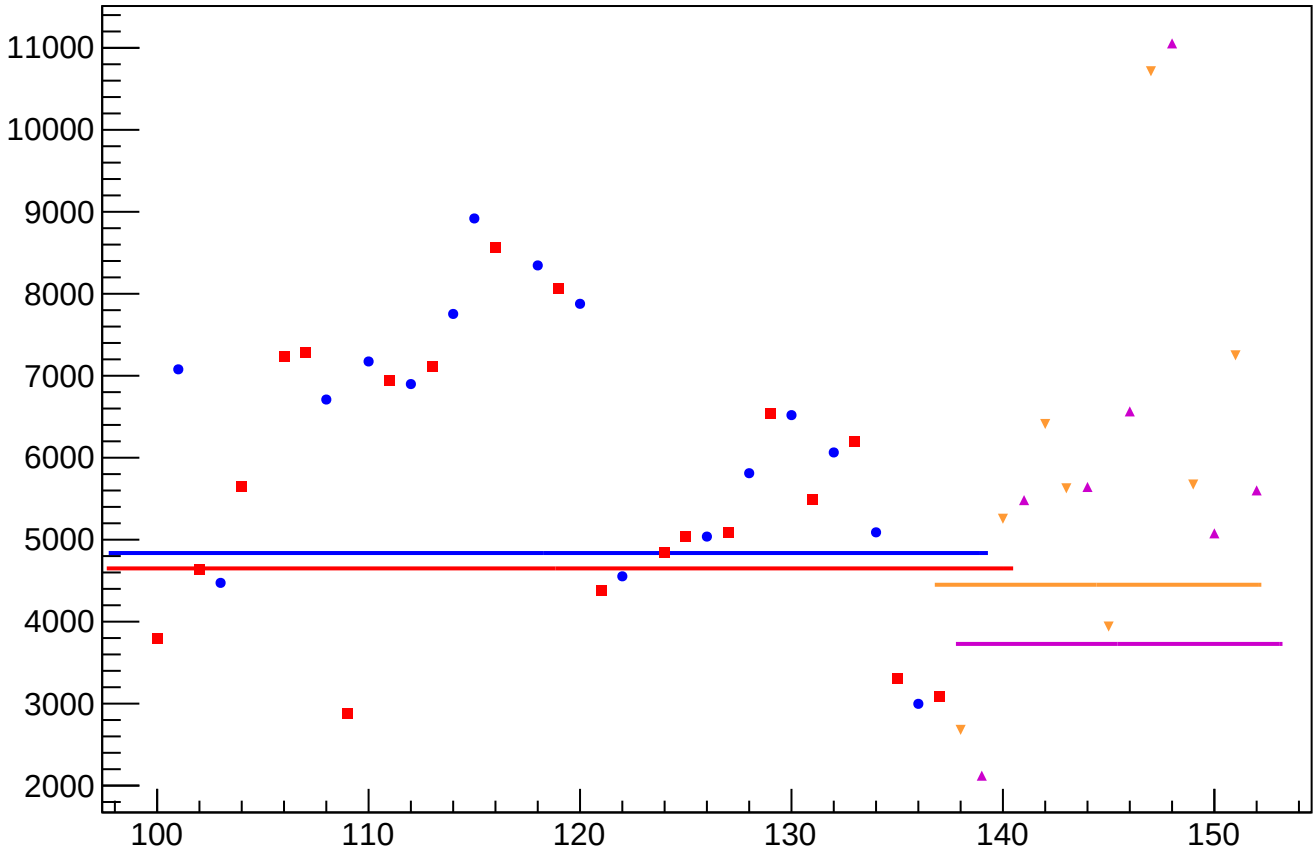
Left: 0.637+/-1.309 χ^2/NDF: 16.4/14

Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.487+/-1.287 χ^2/NDF:21.6/22

Out: -1.073+/-1.346 χ^2/NDF:25.8/26

All: -0.258+/-0.930 χ^2/NDF: 48.2/49



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: 3728.397+/-1.229 χ^2/NDF:2659448.7/6

Left: 4040.855+/-0.926 χ^2/NDF: 4438607.1/14

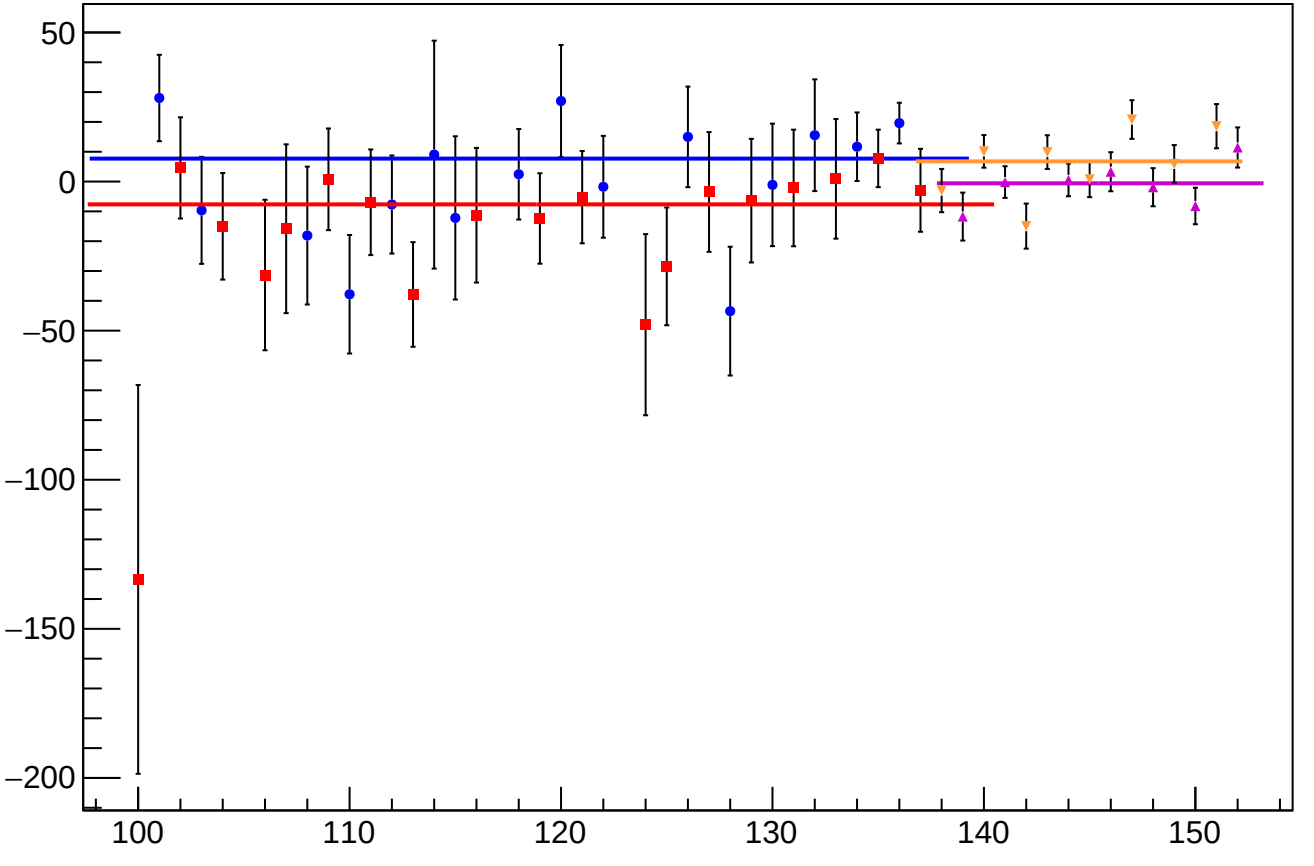
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4229.137+/-0.910 χ^2/NDF:4574650.1/22

Out: 4558.344+/-0.952 χ^2/NDF:3075337.1/26

All: 4386.385+/-0.658 χ^2/NDF: 7712460.3/49

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: -0.581+/-2.354 χ^2/NDF:7.1/6

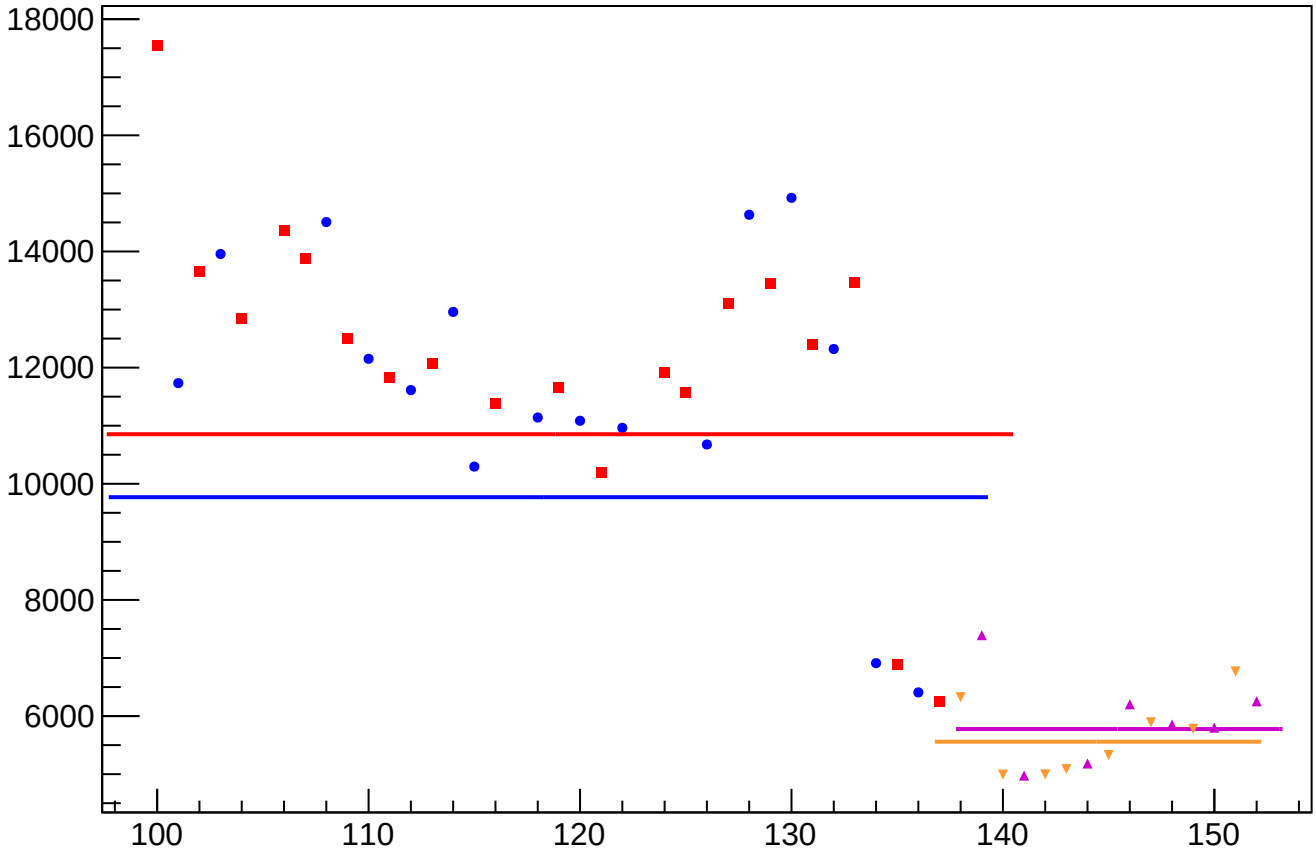
Left: 3.248+/-1.629 χ^2/NDF: 31.2/14

Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 1.698+/-2.004 χ^2/NDF:32.1/22

Out: 3.415+/-1.977 χ^2/NDF:43.1/26

All: 2.568+/-1.407 χ^2/NDF: 75.6/49



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: 5776.698+/-1.664 χ^2/NDF:168642.2/6

Left: 5663.169+/-1.152 χ^2/NDF: 310179.4/14

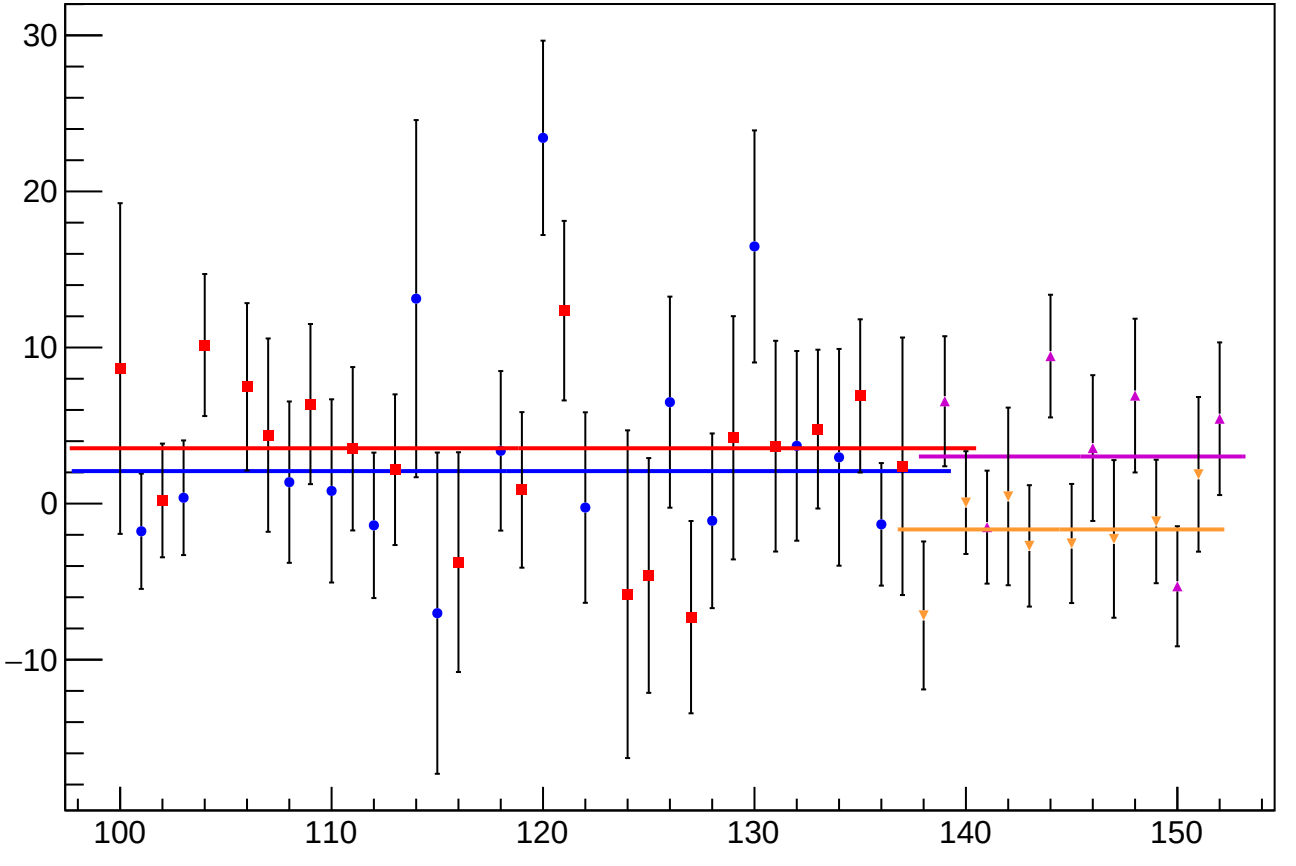
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6875.295+/-1.417 χ^2/NDF:2965676.6/22

Out: 6790.106+/-1.398 χ^2/NDF:3567227.9/26

All: 6832.125+/-0.995 χ^2/NDF: 6534736.4/49

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: 3.018+/-1.591 χ^2/NDF:10.5/6

Left: 0.539+/-1.090 χ^2/NDF: 17.5/14

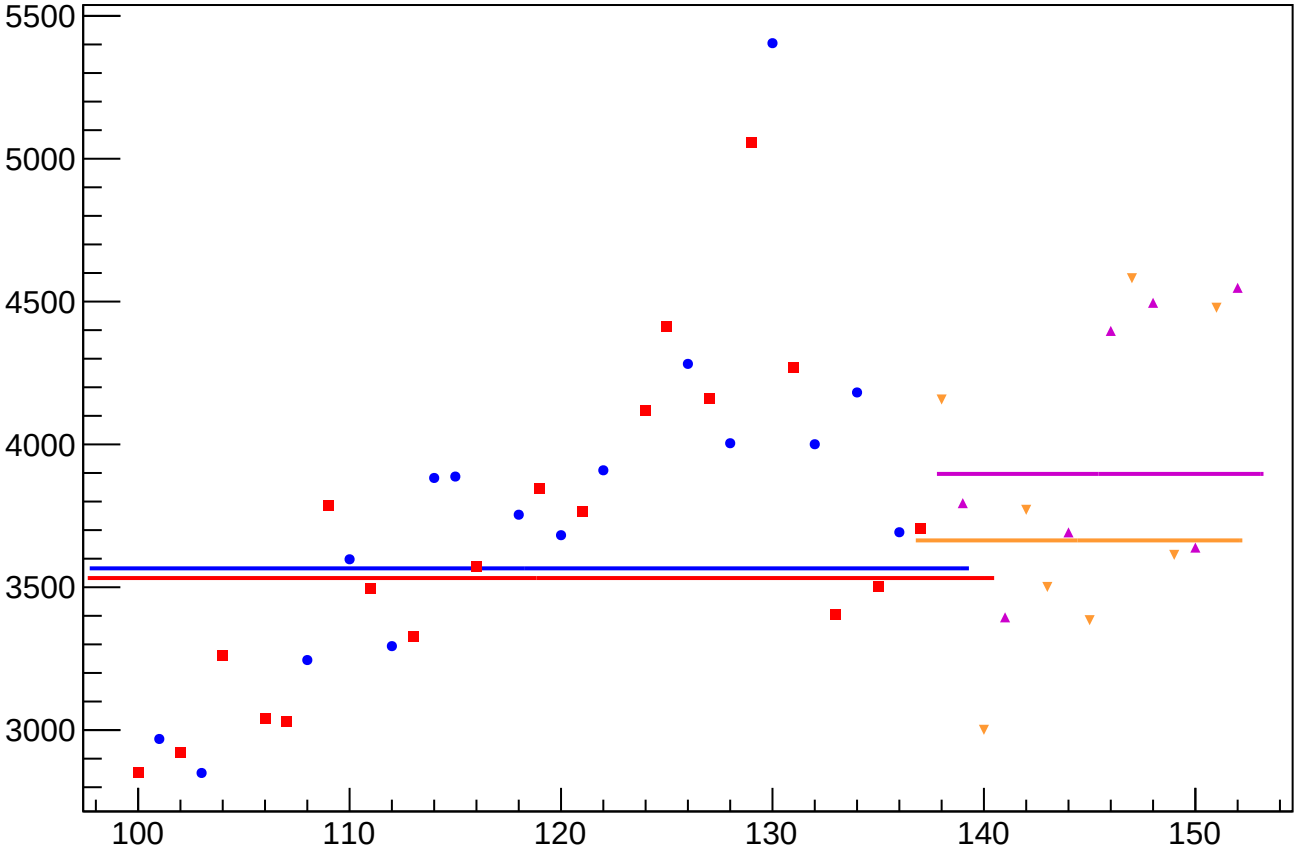
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.472+/-1.027 χ^2/NDF:31.7/22

Out: 1.301+/-0.983 χ^2/NDF:22.7/26

All: 1.861+/-0.710 χ^2/NDF: 55.1/49

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: 3896.753+/-1.125 χ^2/NDF:142145.3/6

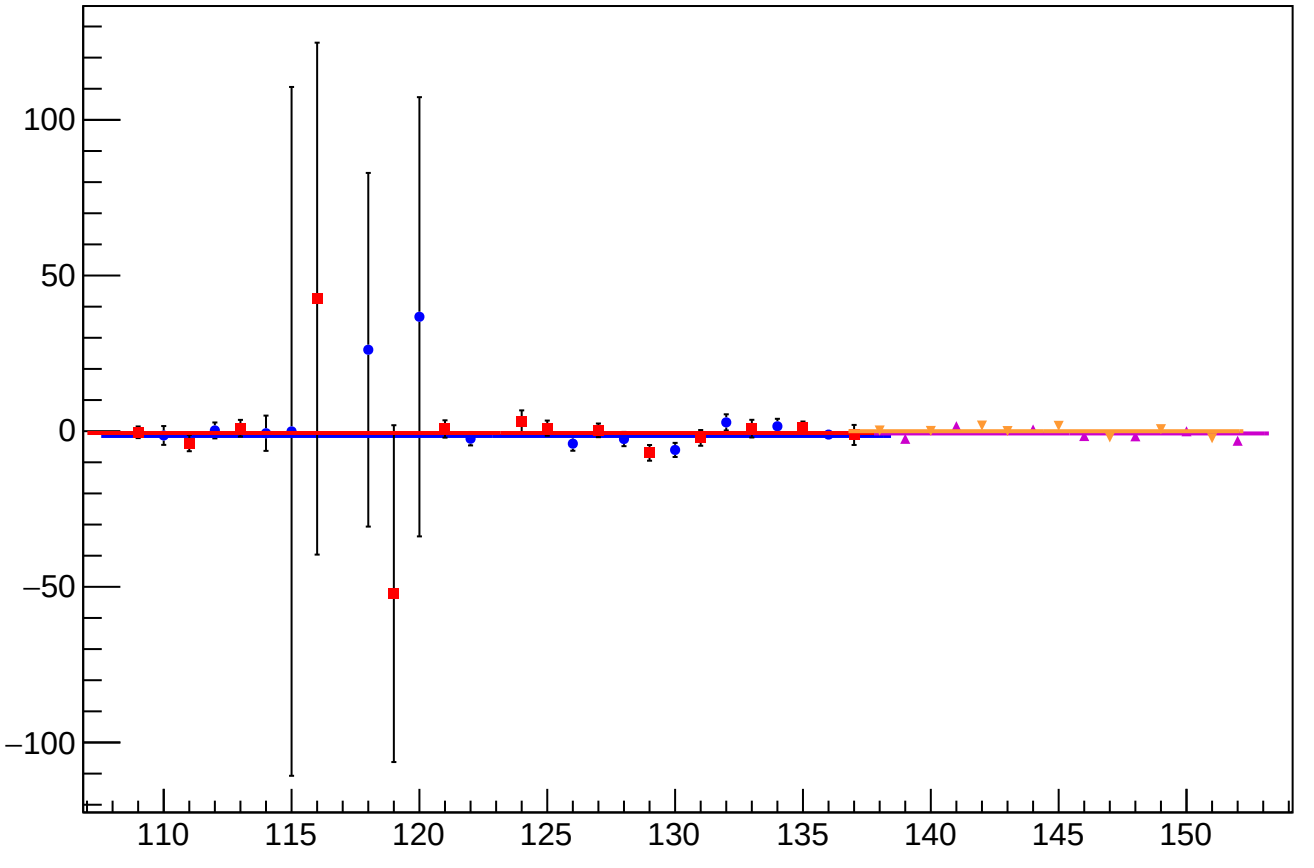
Left: 3773.265+/-0.771 χ^2/NDF: 403065.3/14

Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3704.003+/-0.726 χ^2/NDF:533613.1/22

Out: 3589.056+/-0.695 χ^2/NDF:525703.7/26

All: 3644.017+/-0.502 χ^2/NDF: 1072385.6/49



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: -0.727+/-0.413 χ^2/NDF:15.5/6

Left: -0.366+/-0.291 χ^2/NDF: 28.1/14

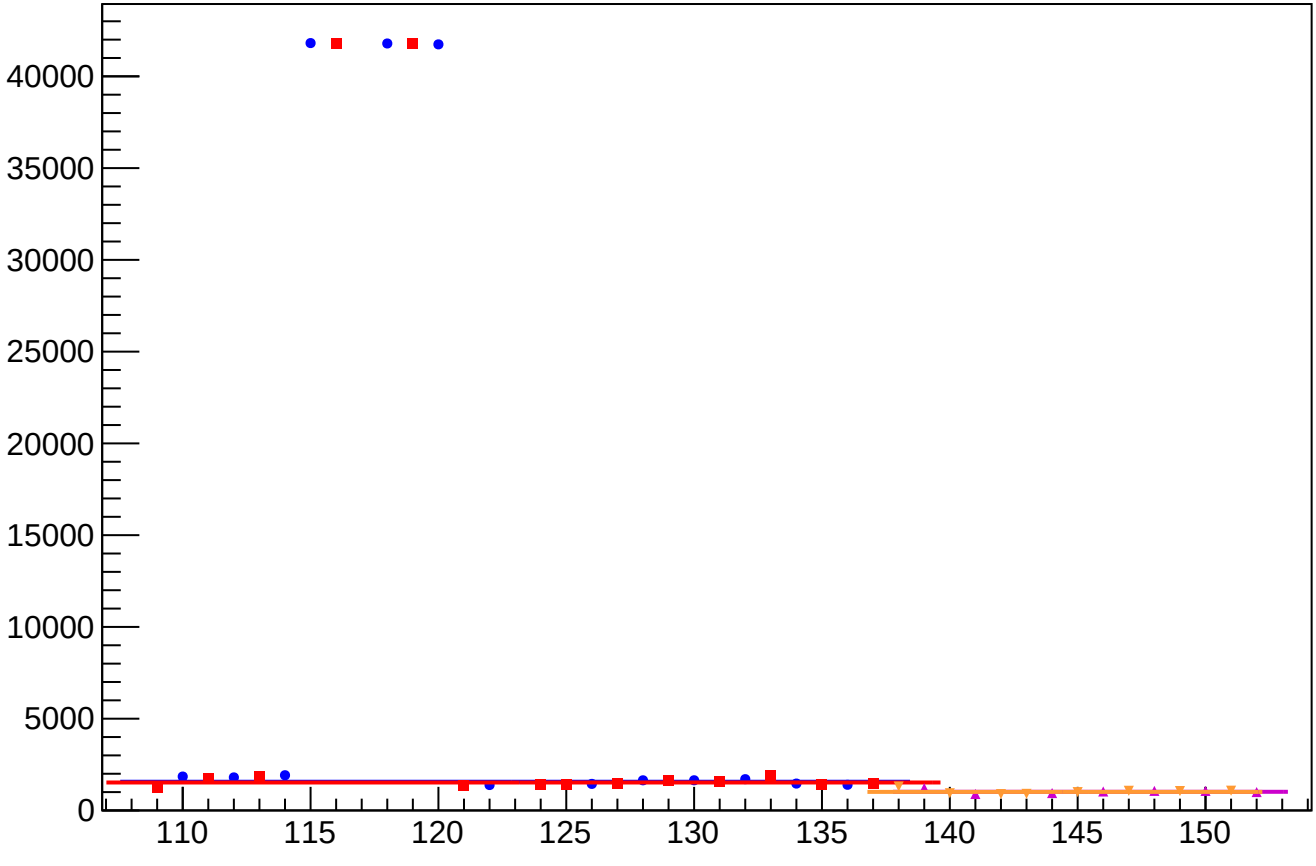
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.922+/-0.360 χ^2/NDF:27.5/19

Out: -0.152+/-0.356 χ^2/NDF:24.3/21

All: -0.533+/-0.253 χ^2/NDF: 54.1/41

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: 1016.338+/-0.292 χ^2/NDF:93491.0/6

Left: 1013.732+/-0.206 χ^2/NDF: 234423.2/14

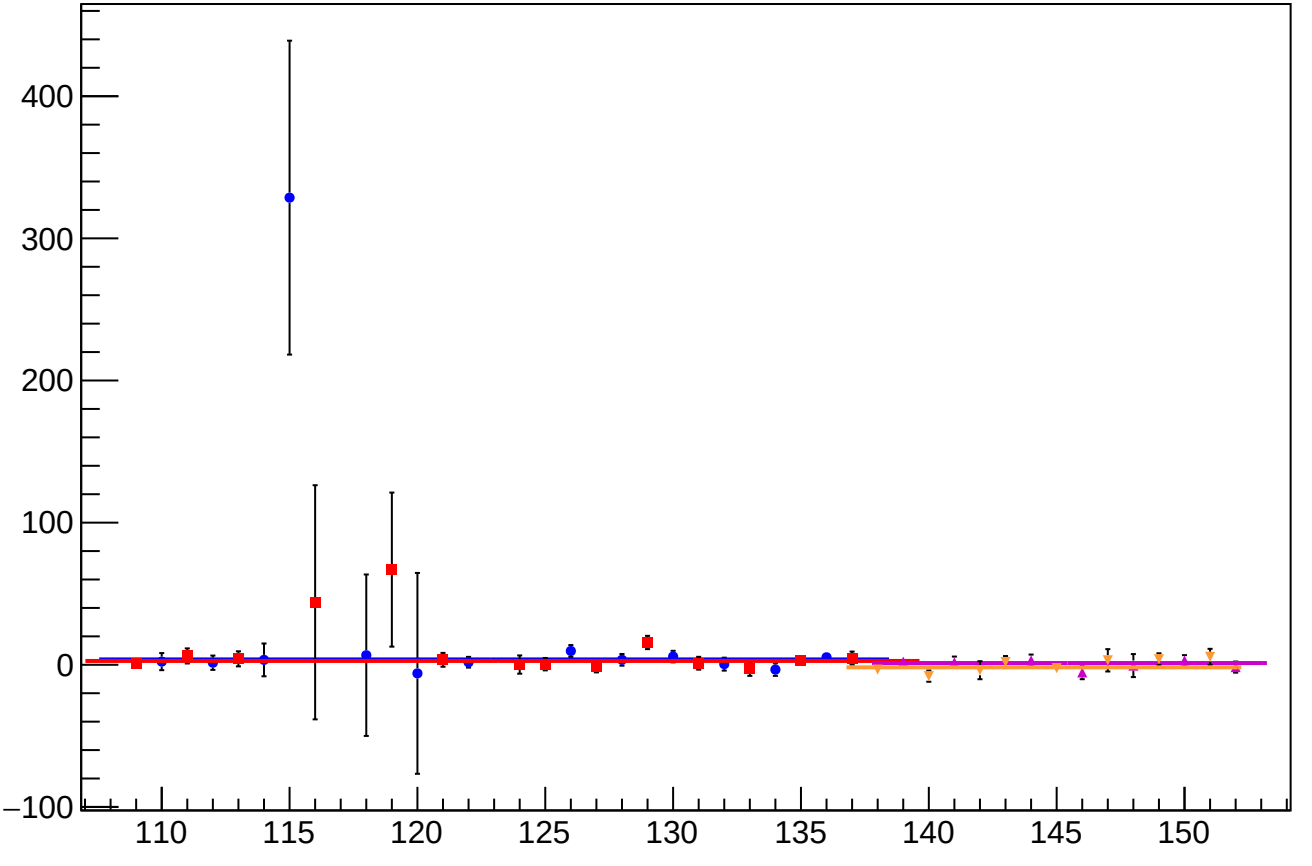
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1148.579+/-0.255 χ^2/NDF:2959126.6/19

Out: 1137.367+/-0.252 χ^2/NDF:2650474.4/21

All: 1142.909+/-0.179 χ^2/NDF: 5610582.4/41

diff_bpm1p02bY_mean vs Slug, Sign Corrected



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: 1.238+/-1.356 χ^2/NDF:3.2/6

Left: -0.307+/-0.951 χ^2/NDF: 13.6/14

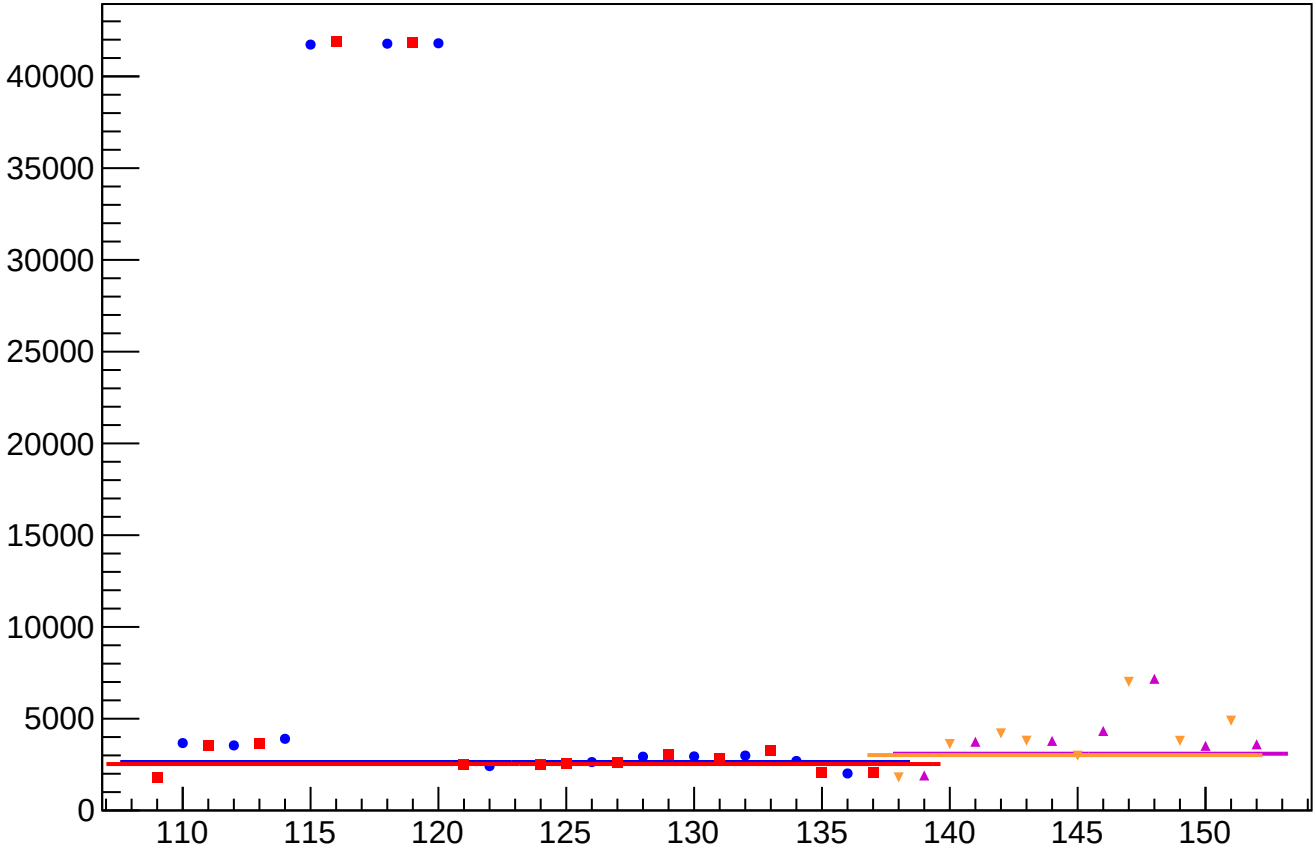
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 2.613+/-0.919 χ^2/NDF:20.2/19

Out: 0.671+/-0.897 χ^2/NDF:27.8/21

All: 1.618+/-0.642 χ^2/NDF: 50.3/41

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: 3091.595+/-0.959 χ^2/NDF:1445021.5/6

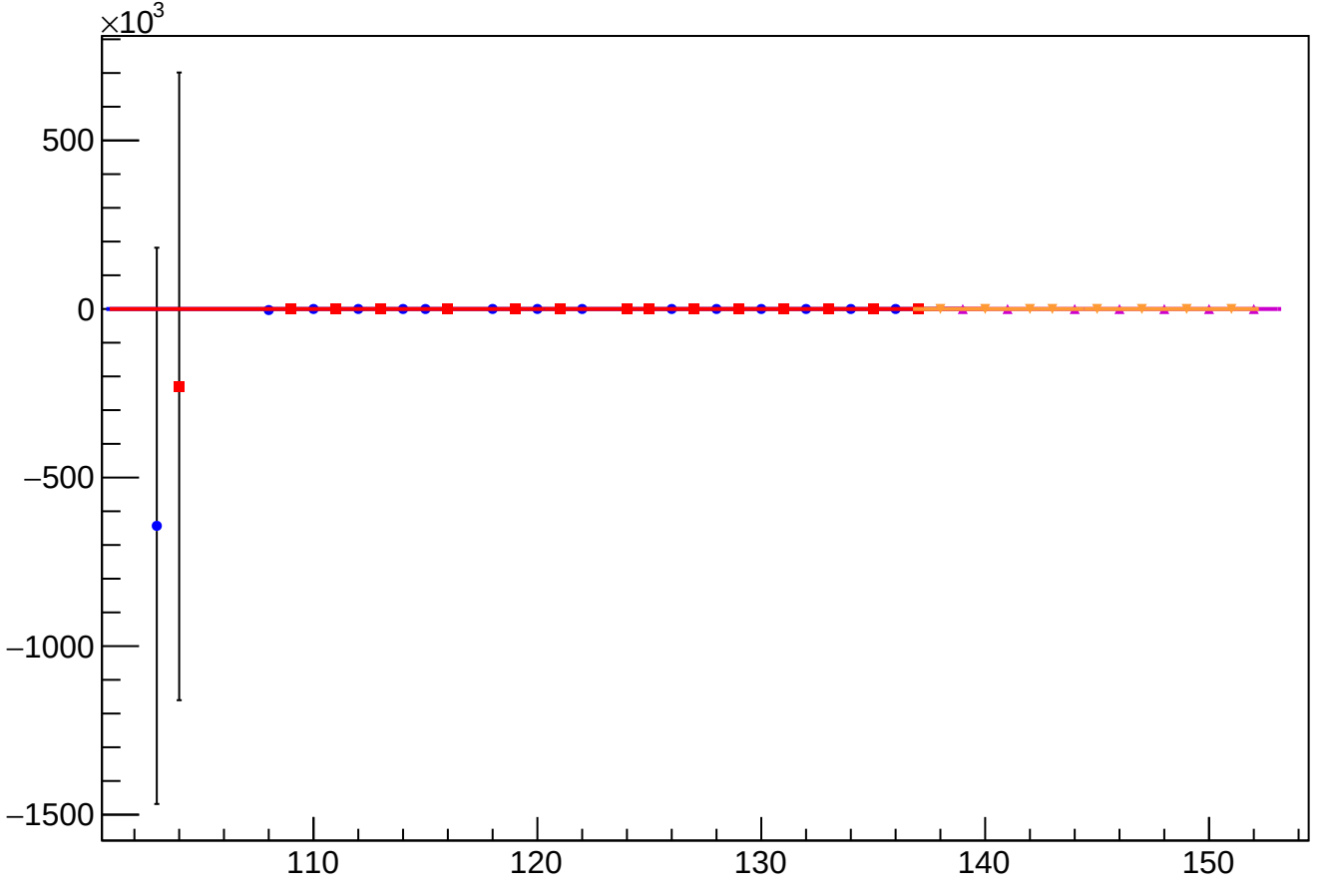
Left: 3053.371+/-0.672 χ^2/NDF: 3111974.0/14

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2847.052+/-0.650 χ^2/NDF:3738469.6/19

Out: 2749.252+/-0.634 χ^2/NDF:3760165.6/21

All: 2796.966+/-0.454 χ^2/NDF: 7510246.4/41



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: 0.091+/-0.646 χ^2/NDF:10.6/6

Left: -0.724+/-0.450 χ^2/NDF: 31.9/14

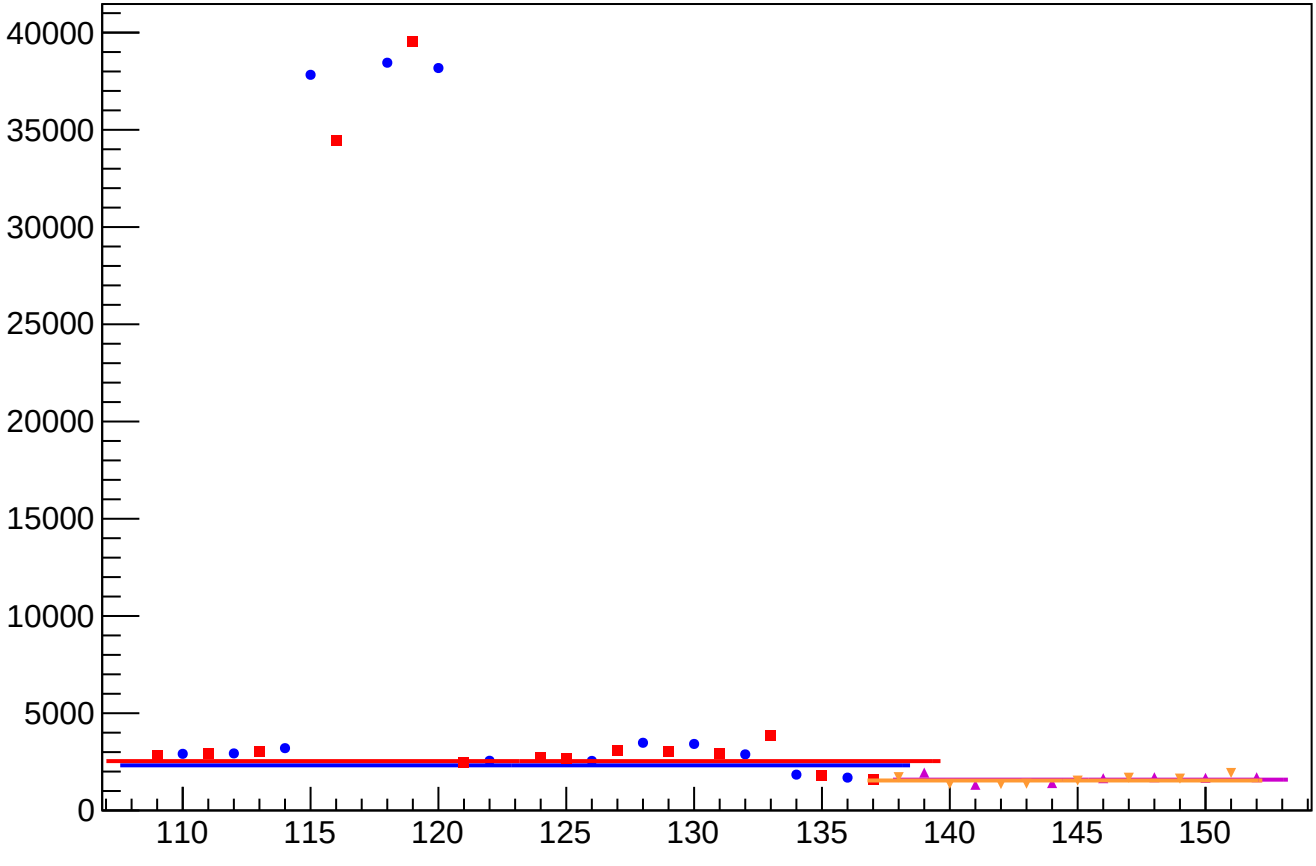
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.233+/-0.560 χ^2/NDF:30.4/21

Out: -0.612+/-0.556 χ^2/NDF:42.0/22

All: -0.424+/-0.395 χ^2/NDF: 72.6/44

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: 1583.771+/-0.457 χ^2/NDF:183139.2/6

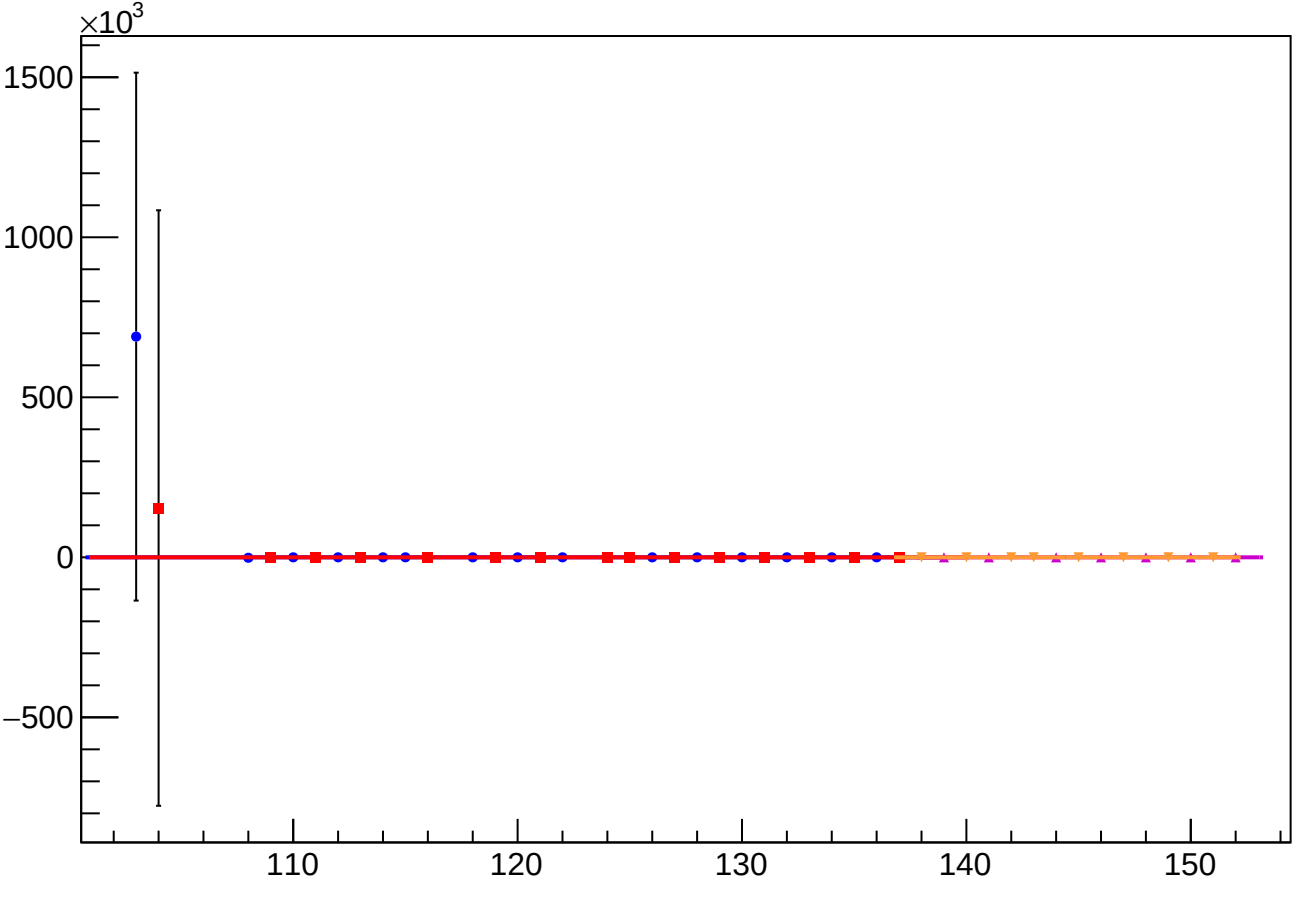
Left: 1561.743+/-0.318 χ^2/NDF: 357707.2/14

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1766.482+/-0.396 χ^2/NDF:3289156.3/19

Out: 1751.028+/-0.393 χ^2/NDF:3276982.2/21

All: 1758.692+/-0.279 χ^2/NDF: 6566905.0/41



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: -0.410+/-0.836 χ^2/NDF:3.0/6

Left: -0.509+/-0.612 χ^2/NDF: 13.4/14

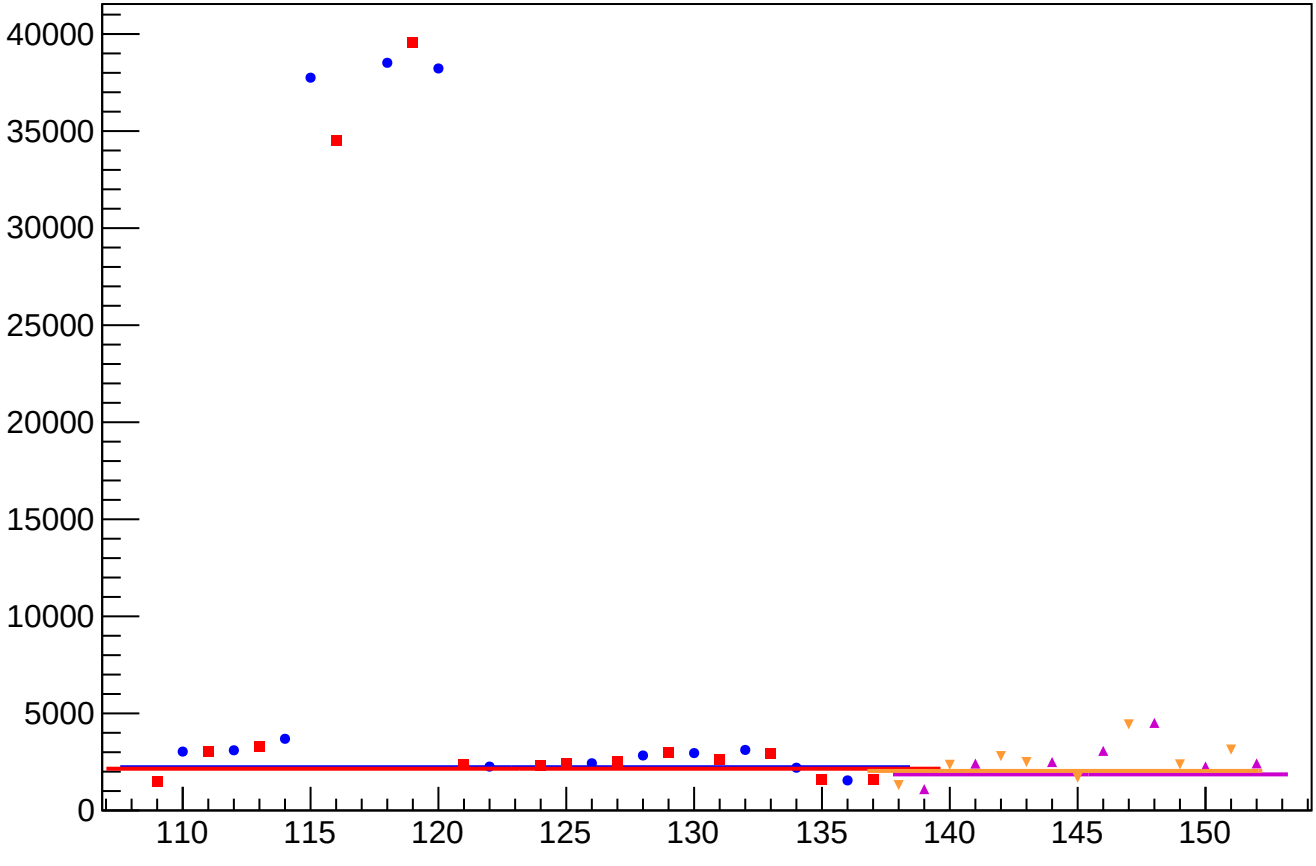
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.387+/-0.660 χ^2/NDF:10.4/21

Out: 0.439+/-0.683 χ^2/NDF:29.0/22

All: 0.412+/-0.475 χ^2/NDF: 39.5/44

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: 1858.410+/-0.591 χ^2/NDF:1966790.9/6

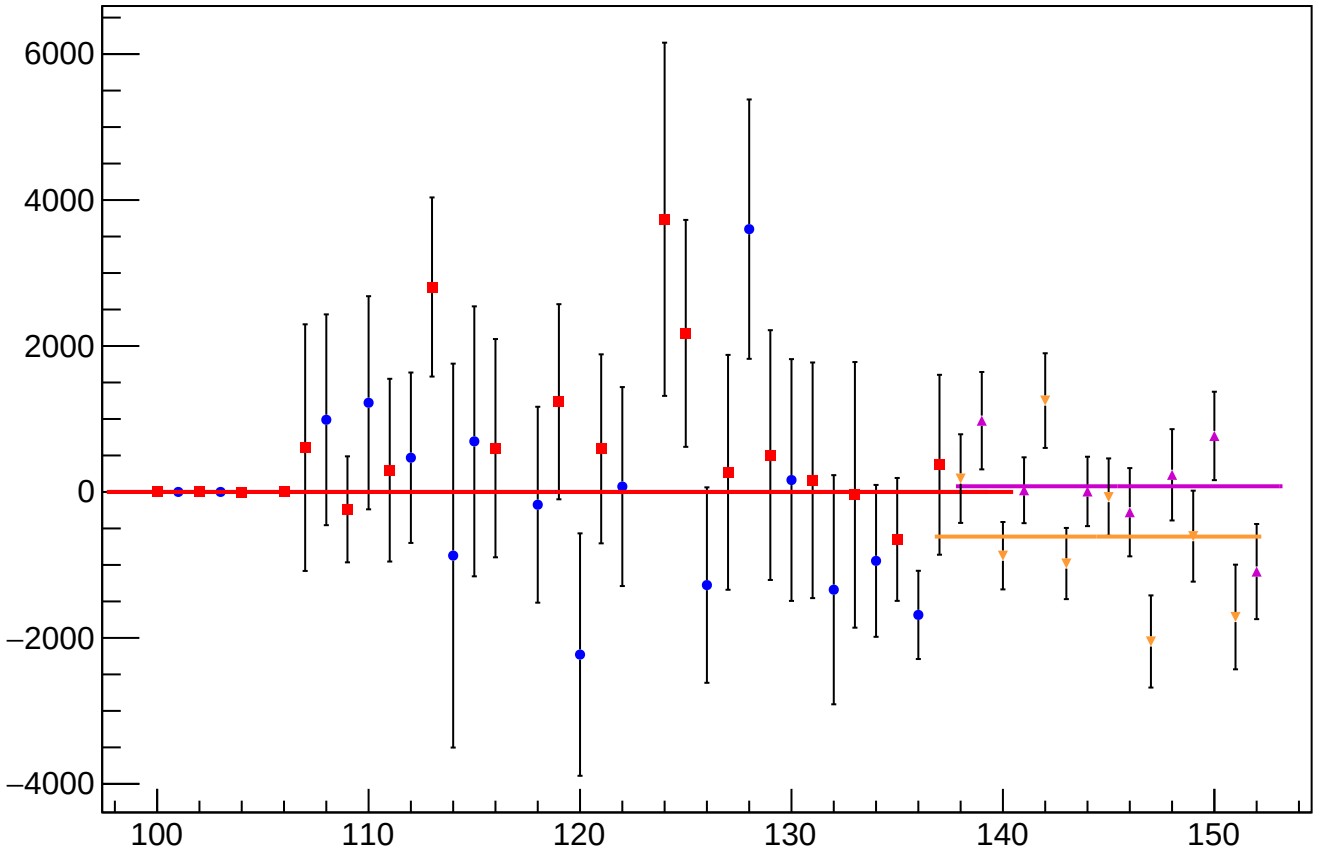
Left: 1941.006+/-0.433 χ^2/NDF: 3316855.0/14

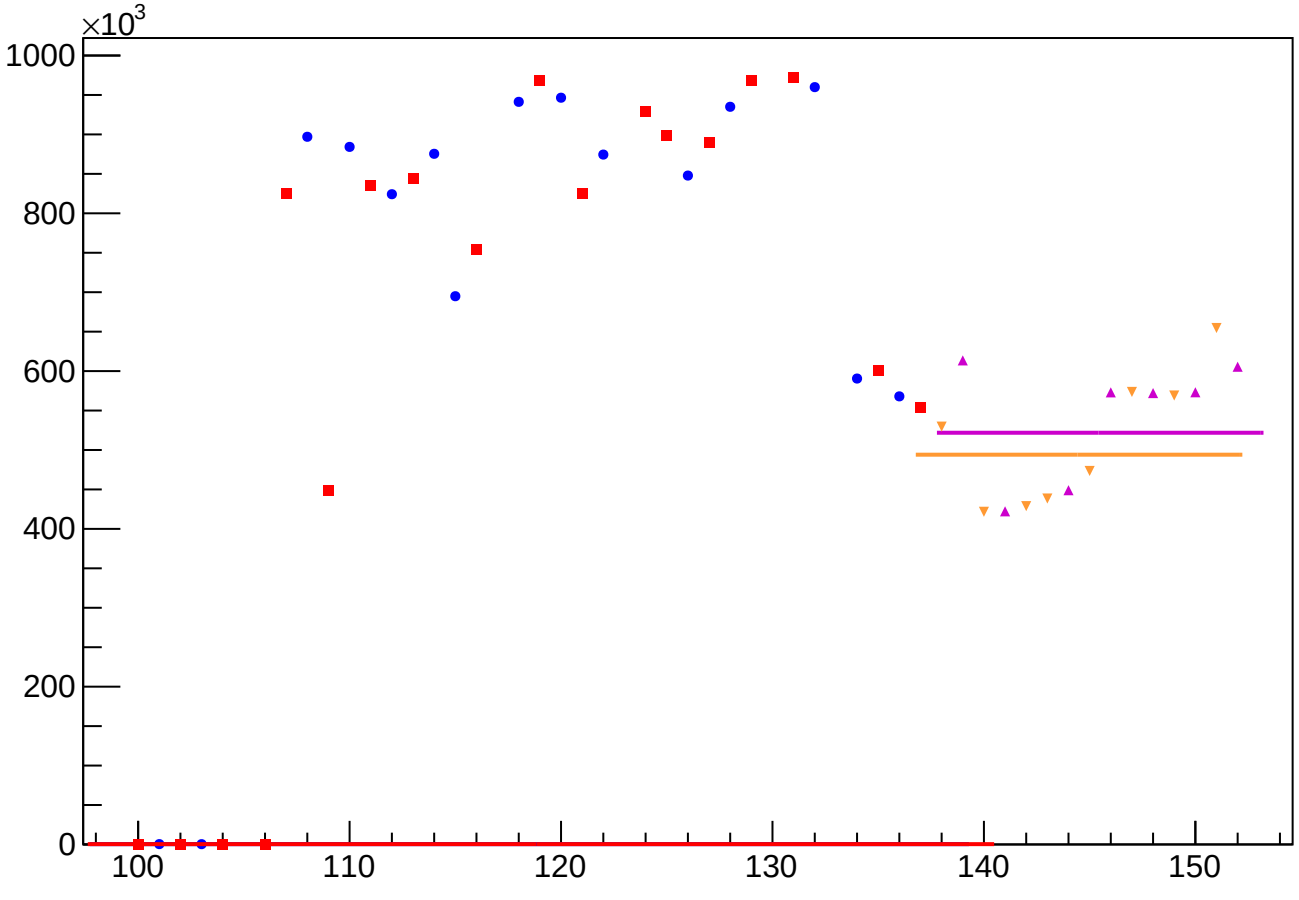
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1997.111+/-0.467 χ^2/NDF:4635290.6/19

Out: 2084.703+/-0.483 χ^2/NDF:3553015.3/21

All: 2039.415+/-0.336 χ^2/NDF: 8205301.8/41


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -611.749+/-201.748 χ²/NDF:19.4/7
Right Out: -0.096+/-0.328 χ²/NDF: 15.4/18
Left In: 77.796+/-213.443 χ²/NDF:6.8/6
Left: -286.384+/-146.618 χ²/NDF: 31.7/14
Right: 0.065+/-0.241 χ²/NDF: 33.7/34
In: 0.256+/-0.356 χ²/NDF:24.6/22
Out: -0.097+/-0.328 χ²/NDF:44.1/26
All: 0.065+/-0.241 χ²/NDF: 69.2/49



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: 521853.385+/-150.927 χ^2/NDF:256737.2/6

Left: 507164.166+/-103.674 χ^2/NDF: 540935.9/14

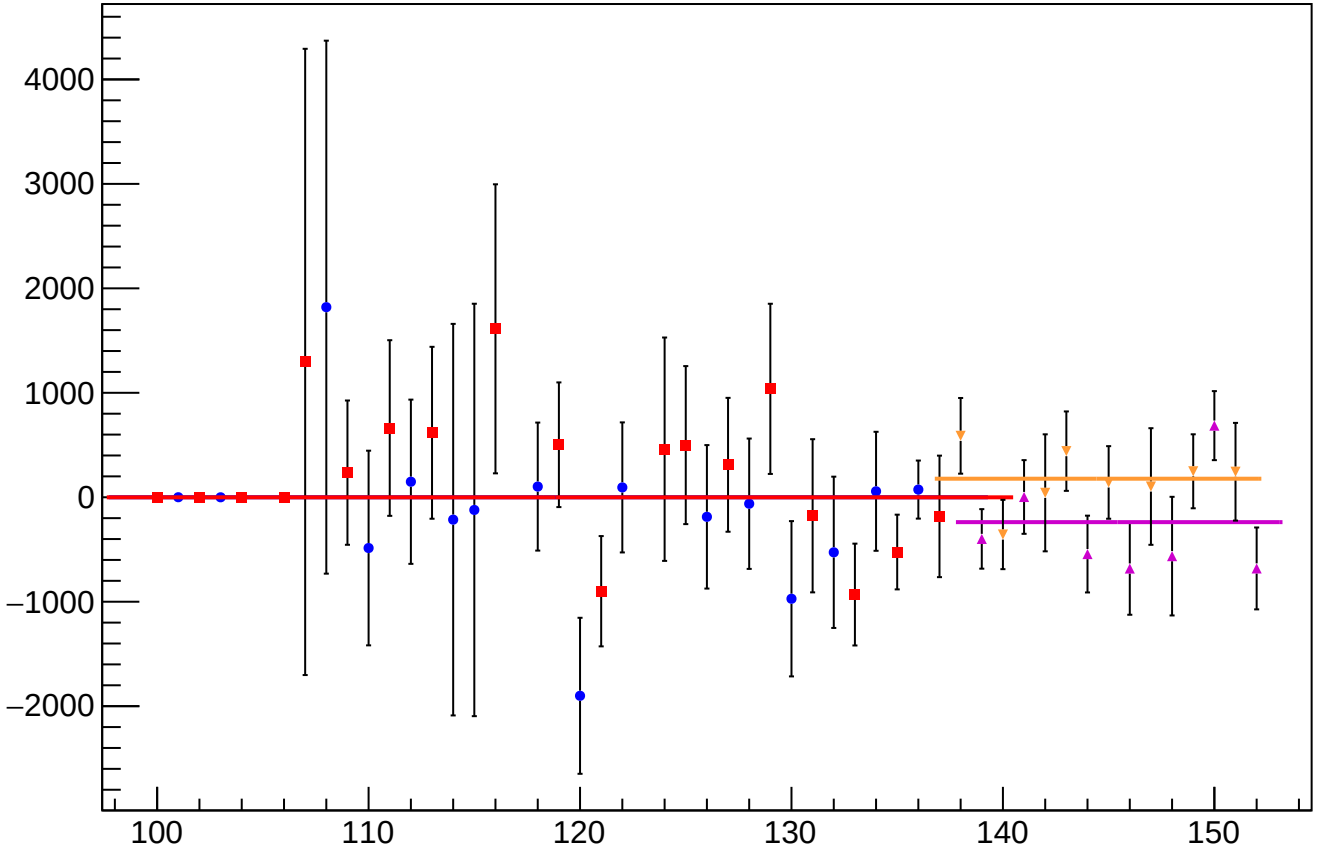
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 400.329+/-0.251 χ^2/NDF:20685596.5/21

Out: 394.543+/-0.232 χ^2/NDF:19888931.8/25

All: 397.200+/-0.170 χ^2/NDF: 40574814.5/47

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: -238.137+/-139.184 χ^2/NDF:11.9/6

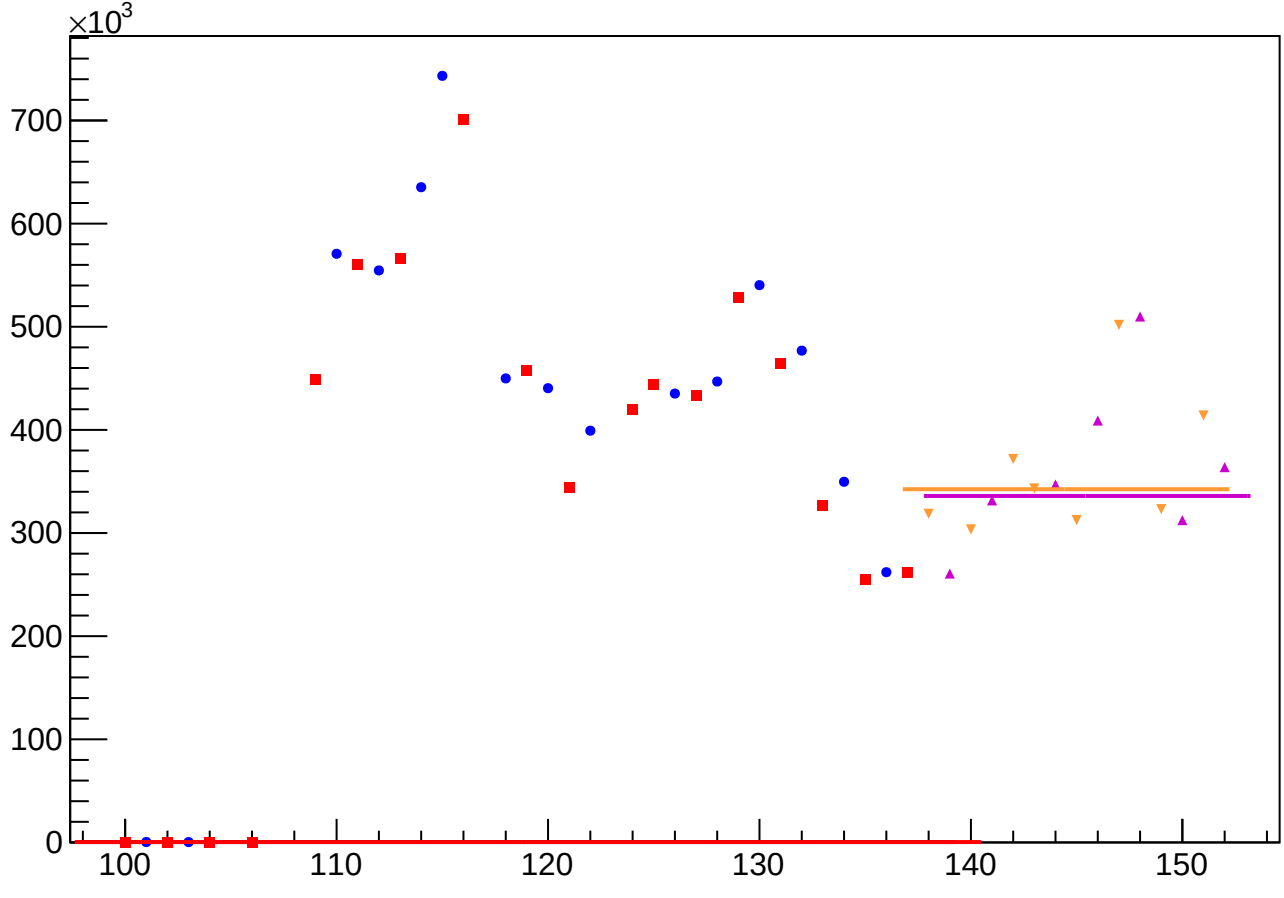
Left: -31.815+/-98.787 χ^2/NDF: 20.8/14

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:25.3/22

Out: -0.598+/-0.324 χ^2/NDF:21.1/26

All: -0.330+/-0.237 χ^2/NDF: 47.9/49



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: 335952.559+/-98.433 χ^2/NDF:403921.0/6

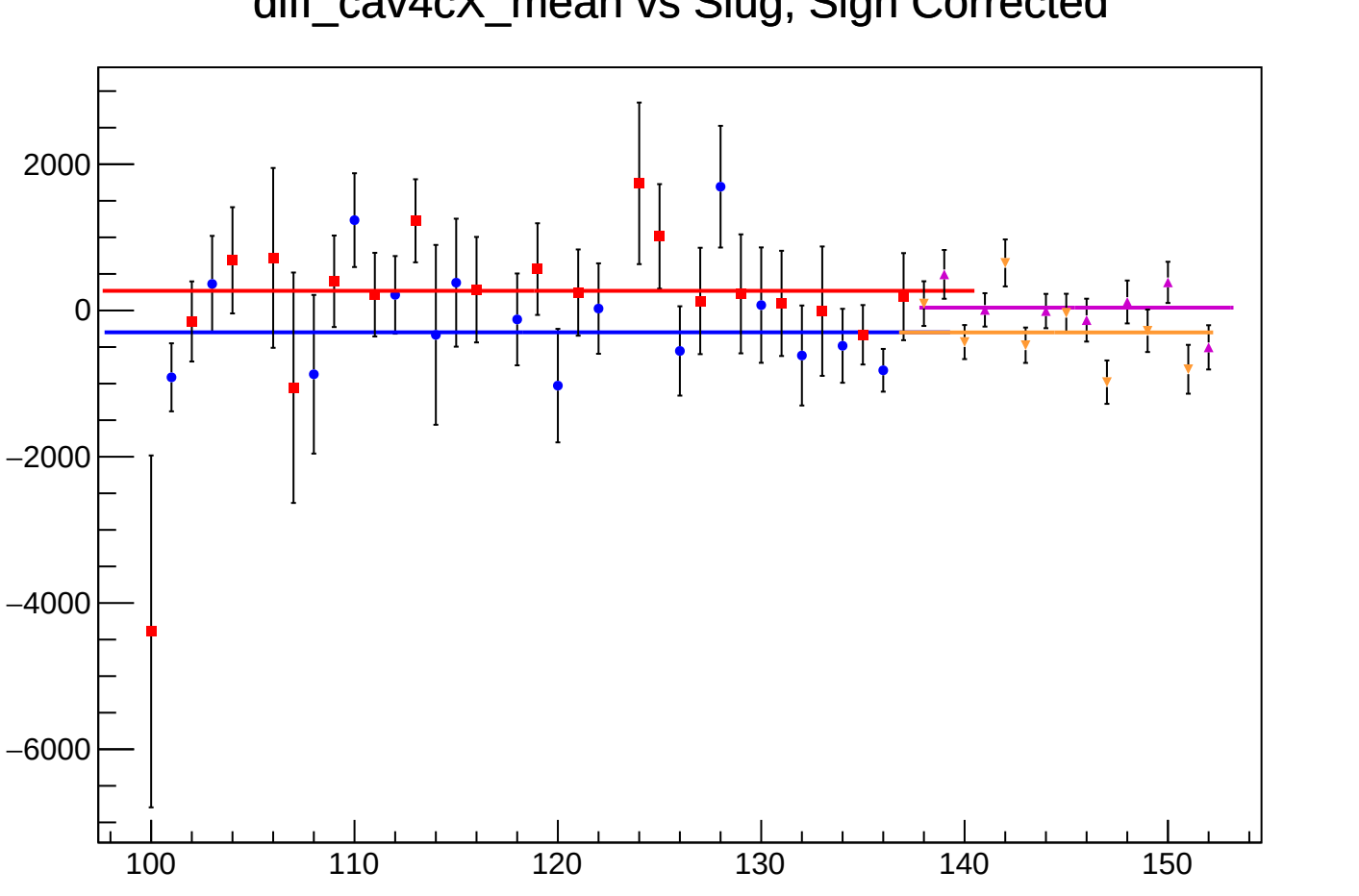
Left: 339195.678+/-69.858 χ^2/NDF: 678278.7/14

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 392.362+/-0.245 χ^2/NDF:23157760.5/21

Out: 389.808+/-0.229 χ^2/NDF:23248709.0/25

All: 390.997+/-0.167 χ^2/NDF: 46406527.4/47



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: 38.857+/-103.604 χ^2/NDF:7.1/6

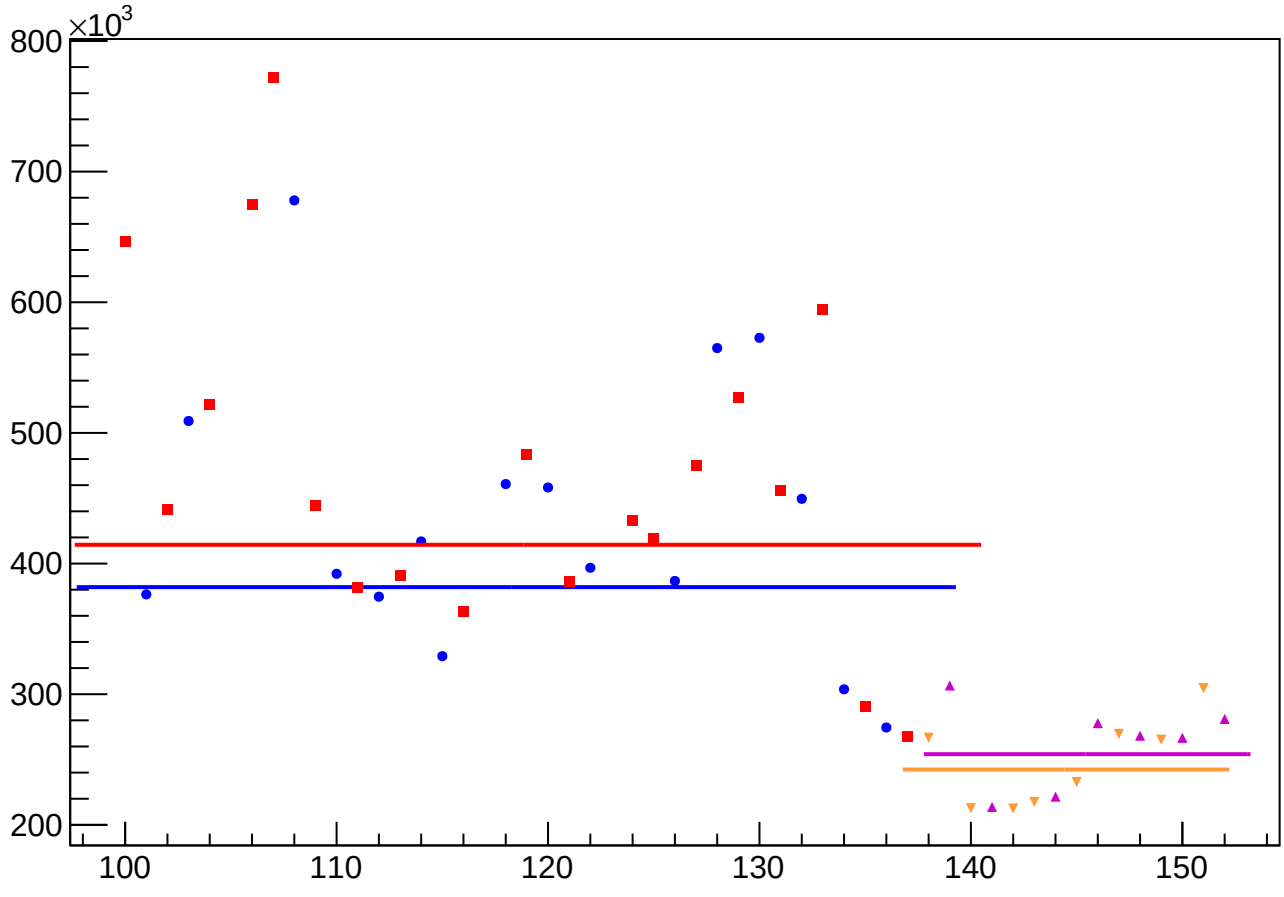
Left: -138.992+/-71.415 χ^2/NDF: 32.5/14

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -72.653+/-84.755 χ^2/NDF:31.7/22

Out: -138.524+/-83.421 χ^2/NDF:43.2/26

All: -106.111+/-59.454 χ^2/NDF: 75.2/49



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: 254119.511+/-73.259 χ^2/NDF:188323.0/6

Left: 247940.339+/-50.498 χ^2/NDF: 386760.5/14

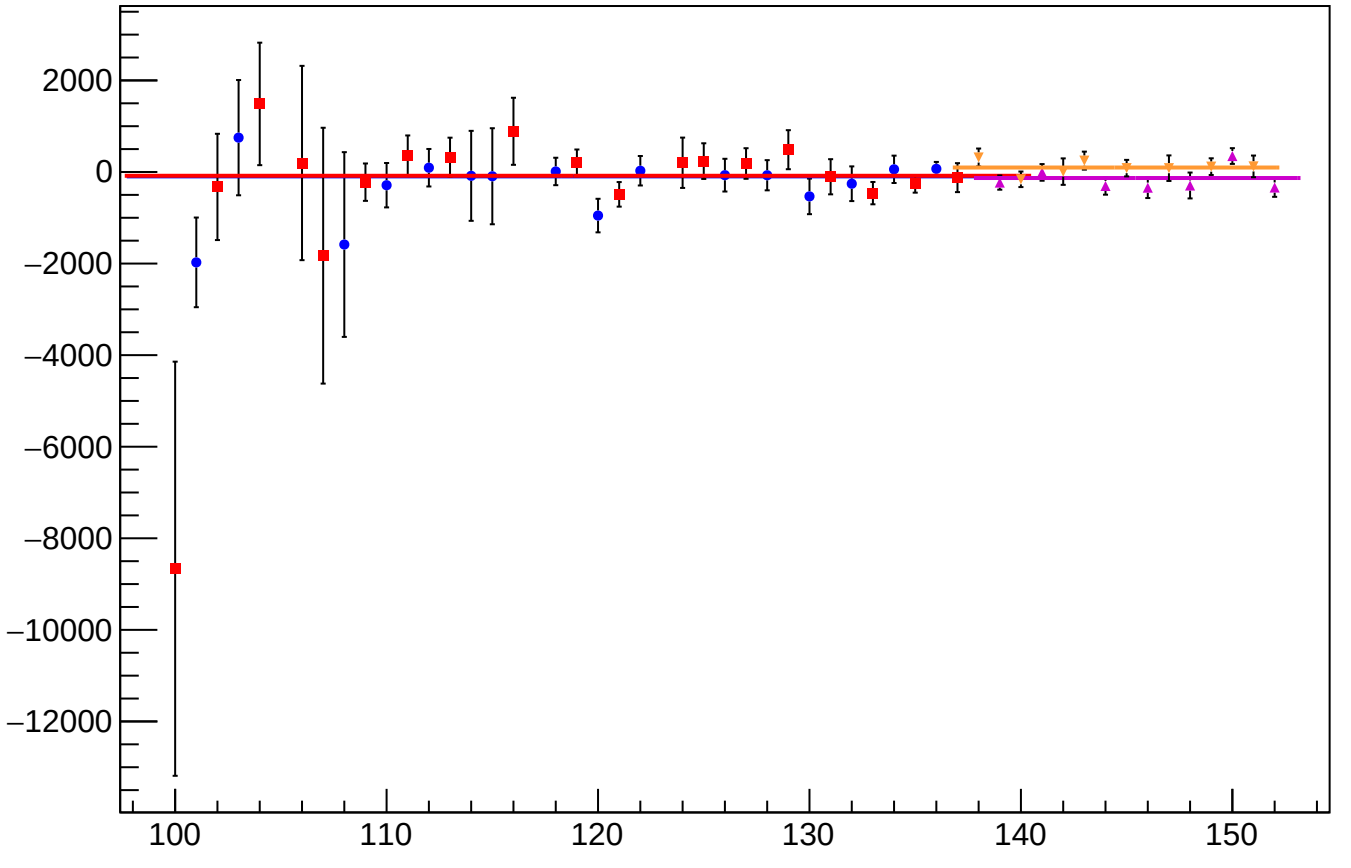
Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 296395.426+/-59.934 χ^2/NDF:2031785.1/22

Out: 291157.650+/-58.992 χ^2/NDF:2673254.7/26

All: 293735.038+/-42.043 χ^2/NDF: 4708918.

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 97.574+/-72.516 χ^2/NDF:4.3/7

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -131.655+/-72.772 χ^2/NDF:11.7/6

Left: -16.637+/-51.367 χ^2/NDF: 21.0/14

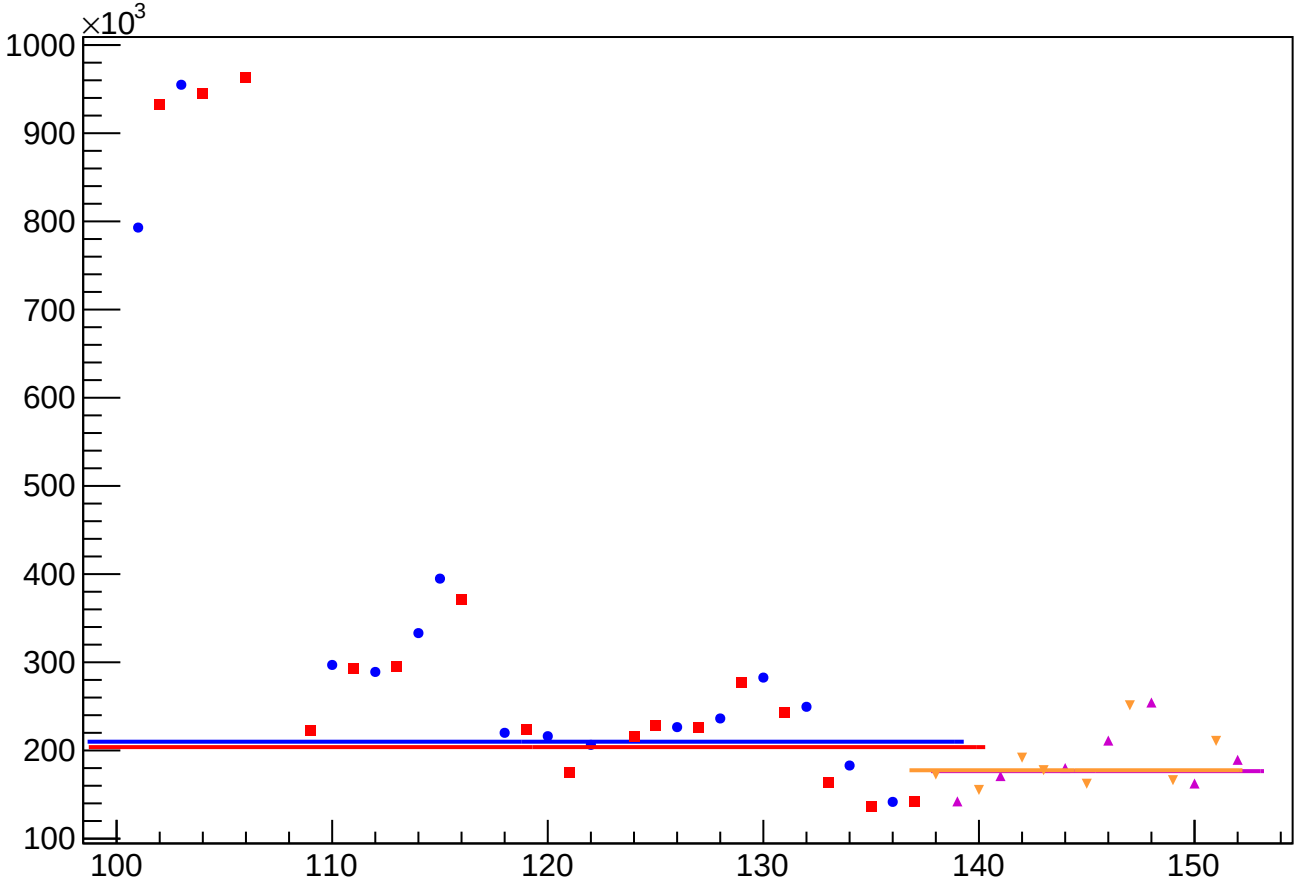
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -117.166+/-56.149 χ^2/NDF:25.5/22

Out: 23.967+/-55.786 χ^2/NDF:25.9/26

All: -46.142+/-39.575 χ^2/NDF: 54.6/49

diff_cav4cY_rms vs Slug, Sign Corrected



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: 176554.522+/-51.458 χ^2/NDF:319051.6/6

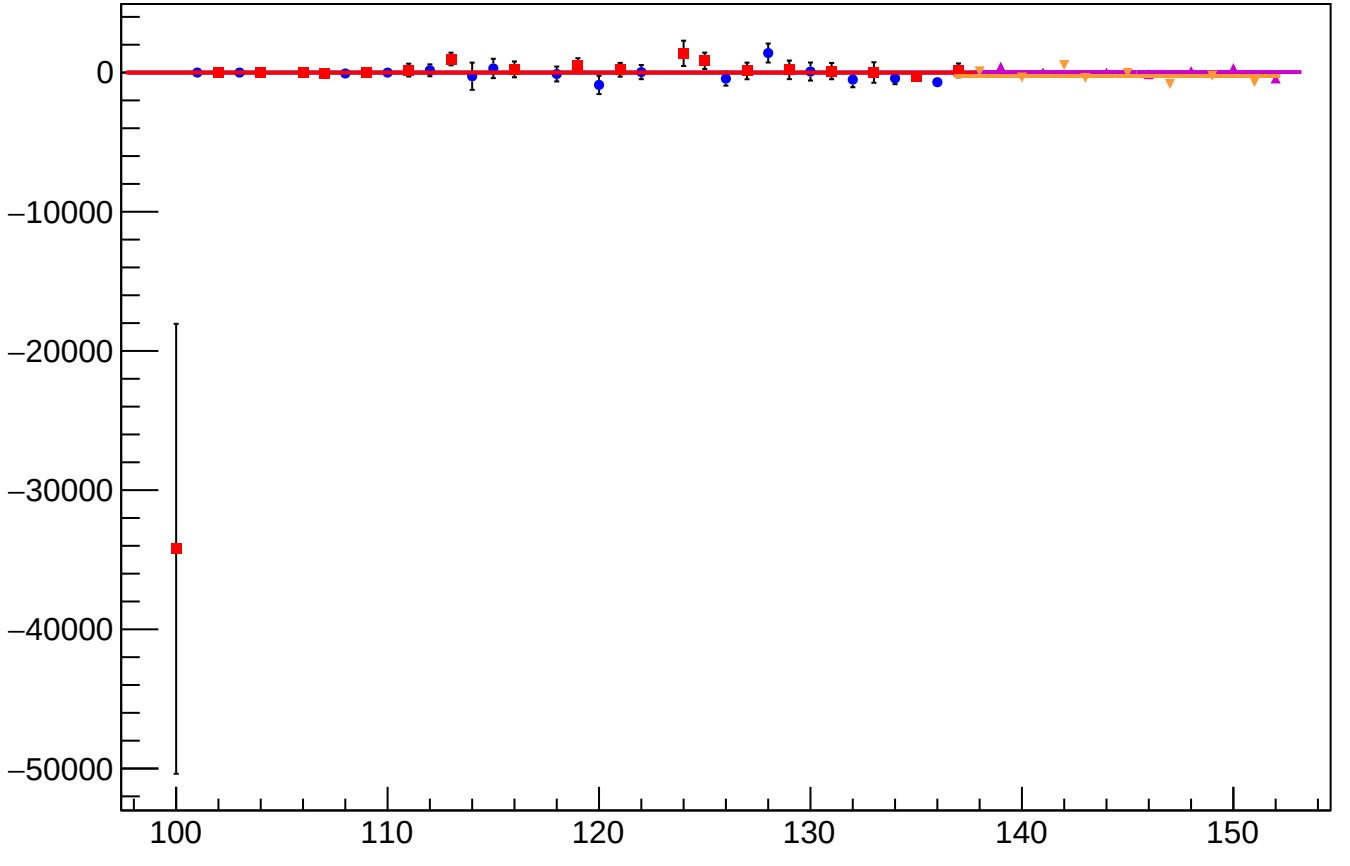
Left: 177053.297+/-36.322 χ^2/NDF: 560848.7/14

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 190032.093+/-39.732 χ^2/NDF:2448824.4/21

Out: 188230.169+/-39.487 χ^2/NDF:2418707.4/24

All: 189125.559+/-28.007 χ^2/NDF: 4868566.



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: 35.426+/-86.743 χ^2/NDF:7.1/6

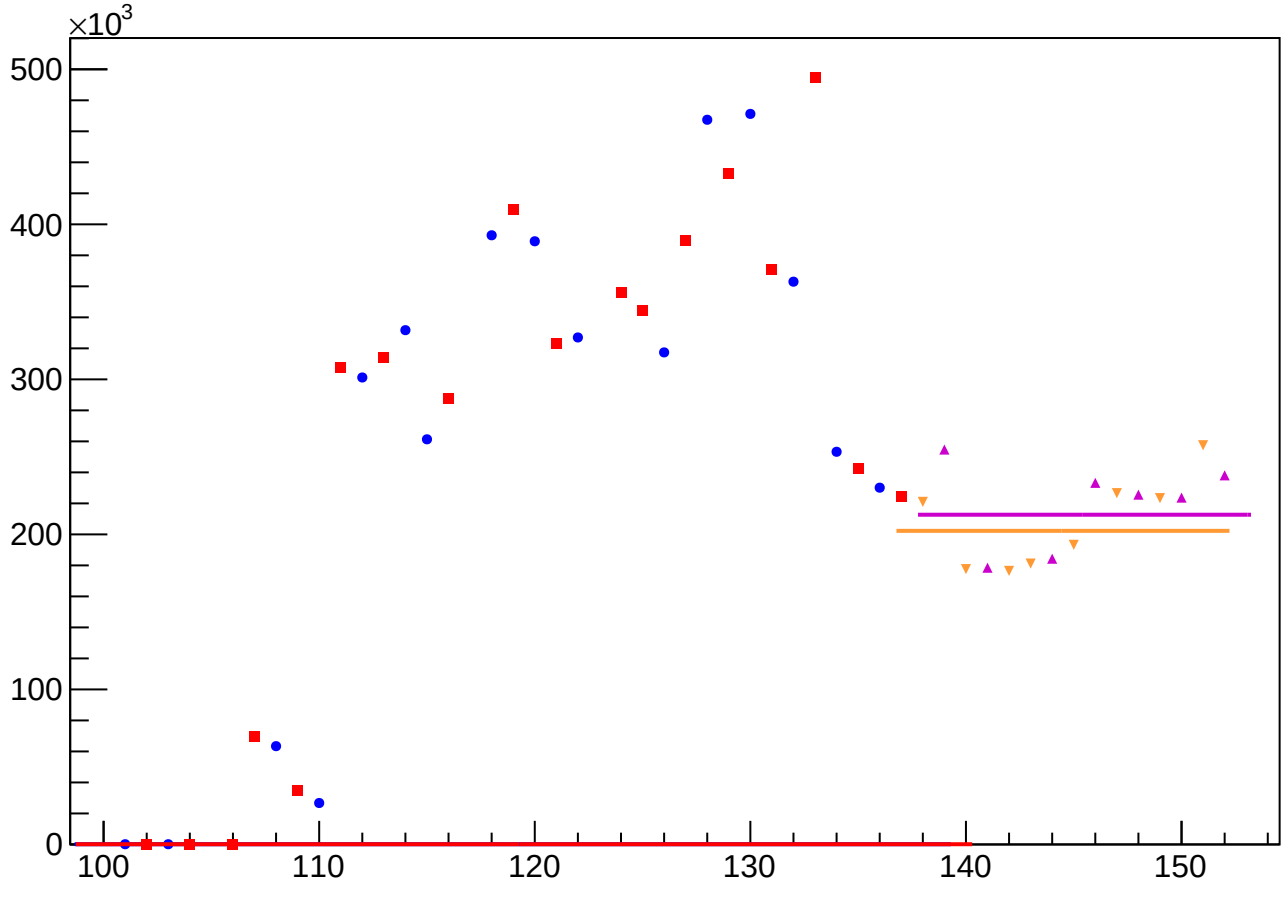
Left: -113.409+/-59.719 χ^2/NDF: 32.6/14

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:25.4/22

Out: 0.354+/-0.160 χ^2/NDF:45.5/26

All: 0.174+/-0.117 χ^2/NDF: 73.6/49



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: 212686.975+/-61.337 χ^2/NDF:196137.8/6

Left: 207217.854+/-42.228 χ^2/NDF: 409128.7/14

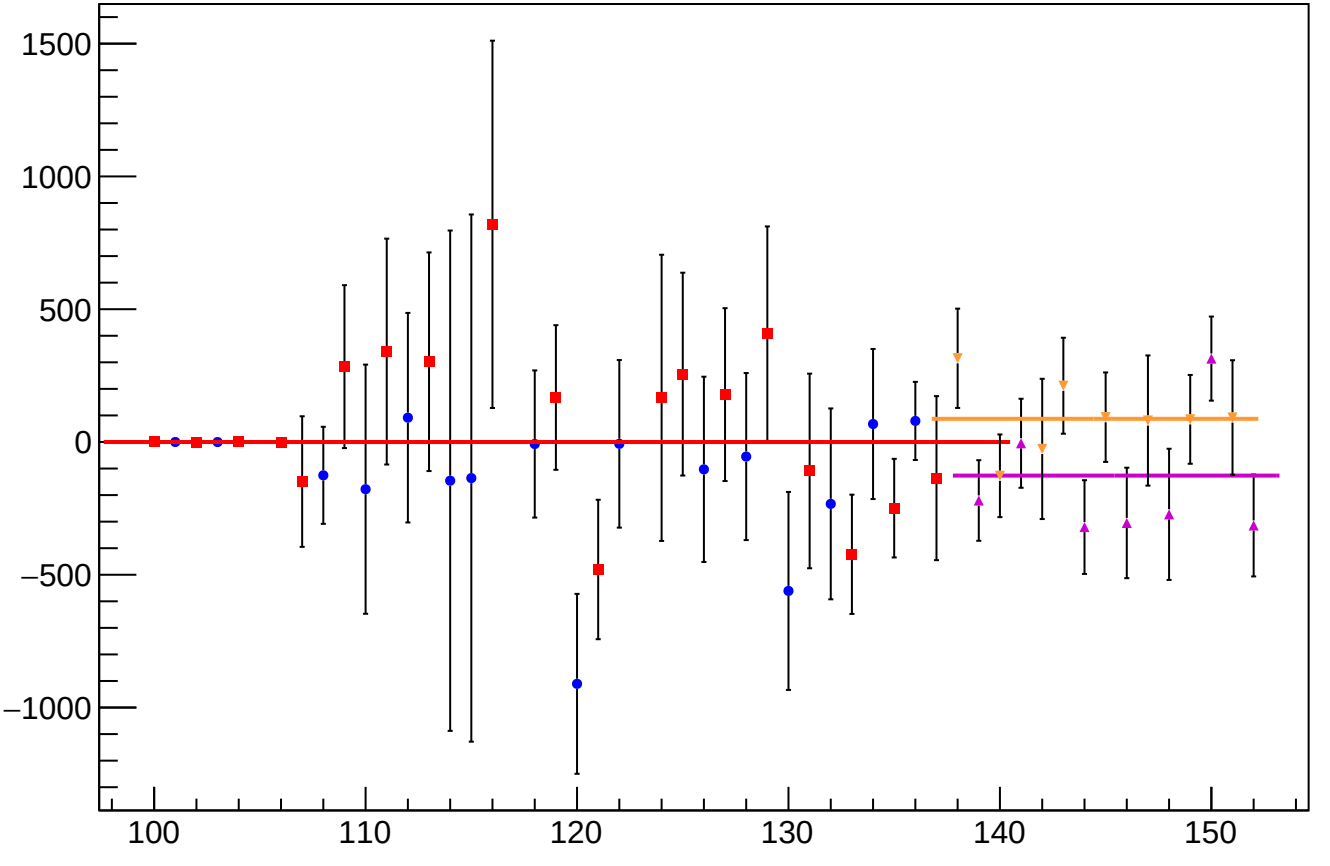
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 149.930+/-0.122 χ^2/NDF:23504908.9/22

Out: 150.143+/-0.113 χ^2/NDF:23539913.4/25

All: 150.045+/-0.083 χ^2/NDF: 47044824.0/48

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: -126.550+/-67.784 χ^2/NDF:11.9/6

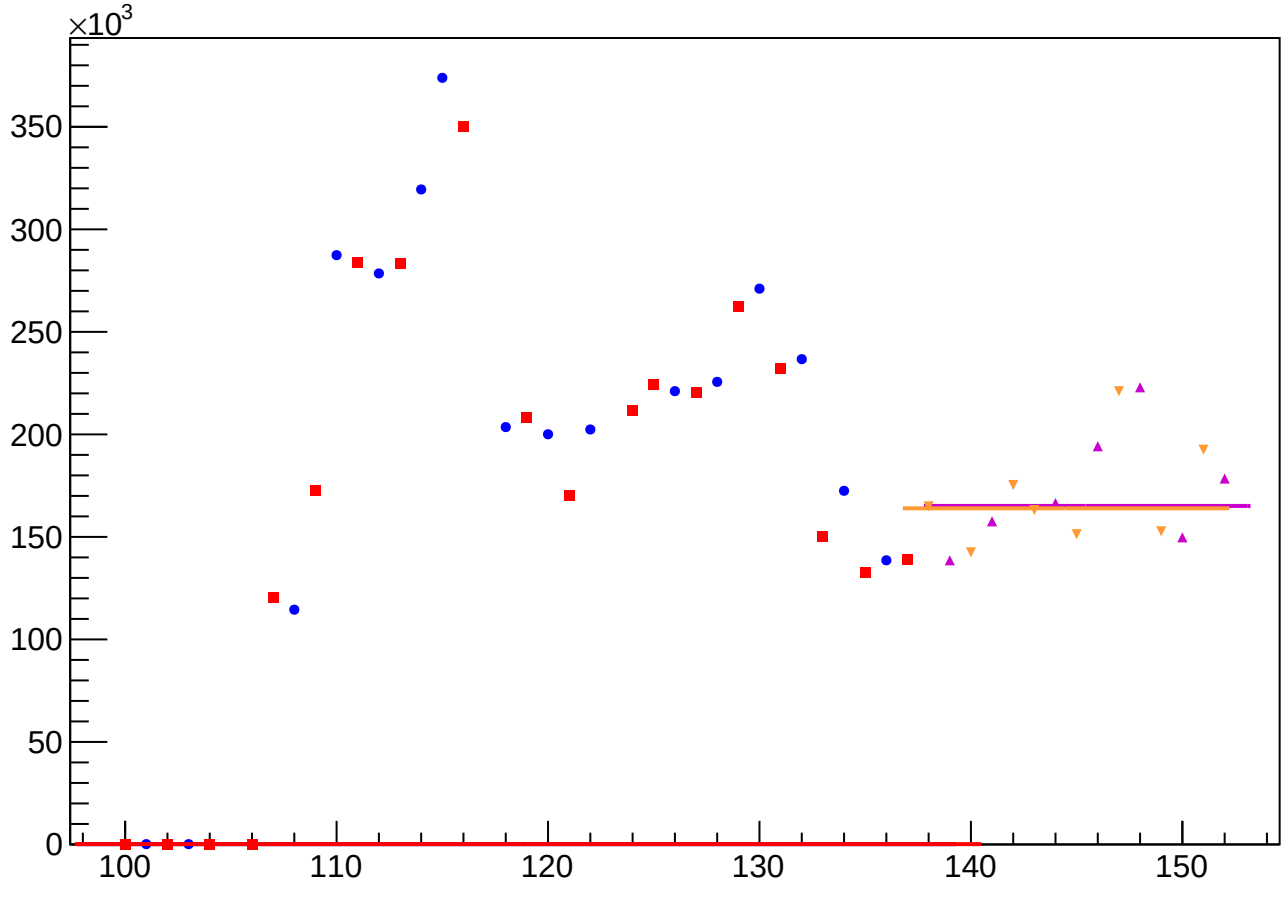
Left: -18.112+/-47.586 χ^2/NDF: 21.0/14

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:26.6/22

Out: -0.125+/-0.166 χ^2/NDF:21.0/26

All: -0.099+/-0.121 χ^2/NDF: 47.6/49



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: 165108.705+/-47.930 χ^2/NDF:242478.6/6

Left: 164515.925+/-33.648 χ^2/NDF: 448653.2/14

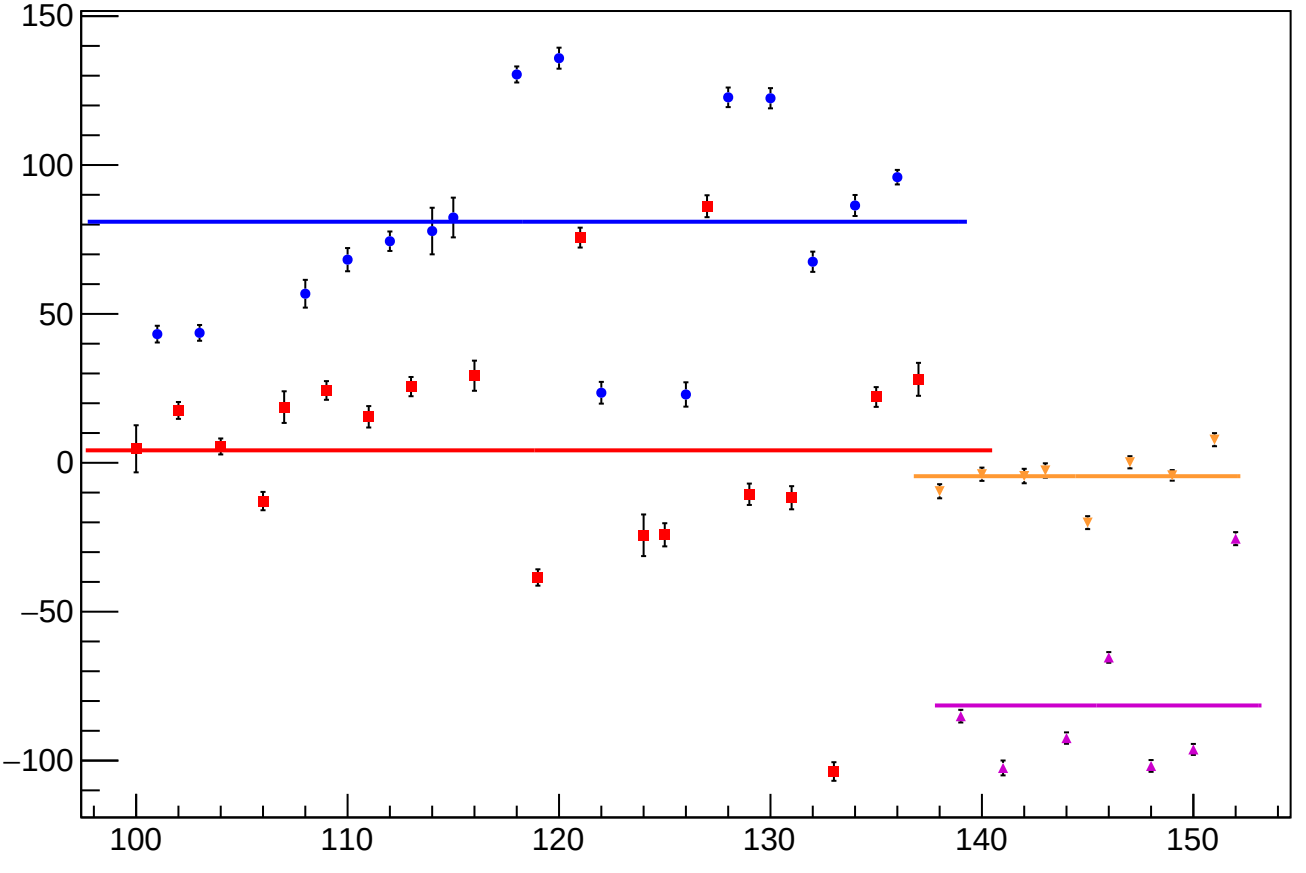
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 154.588+/-0.125 χ^2/NDF:23991697.5/22

Out: 157.174+/-0.118 χ^2/NDF:23552647.5/26

All: 155.962+/-0.086 χ^2/NDF: 47544571.3/49

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: -81.492+/-0.762 χ^2/NDF:1009.1/6

Left: -43.319+/-0.541 χ^2/NDF: 6166.4/14

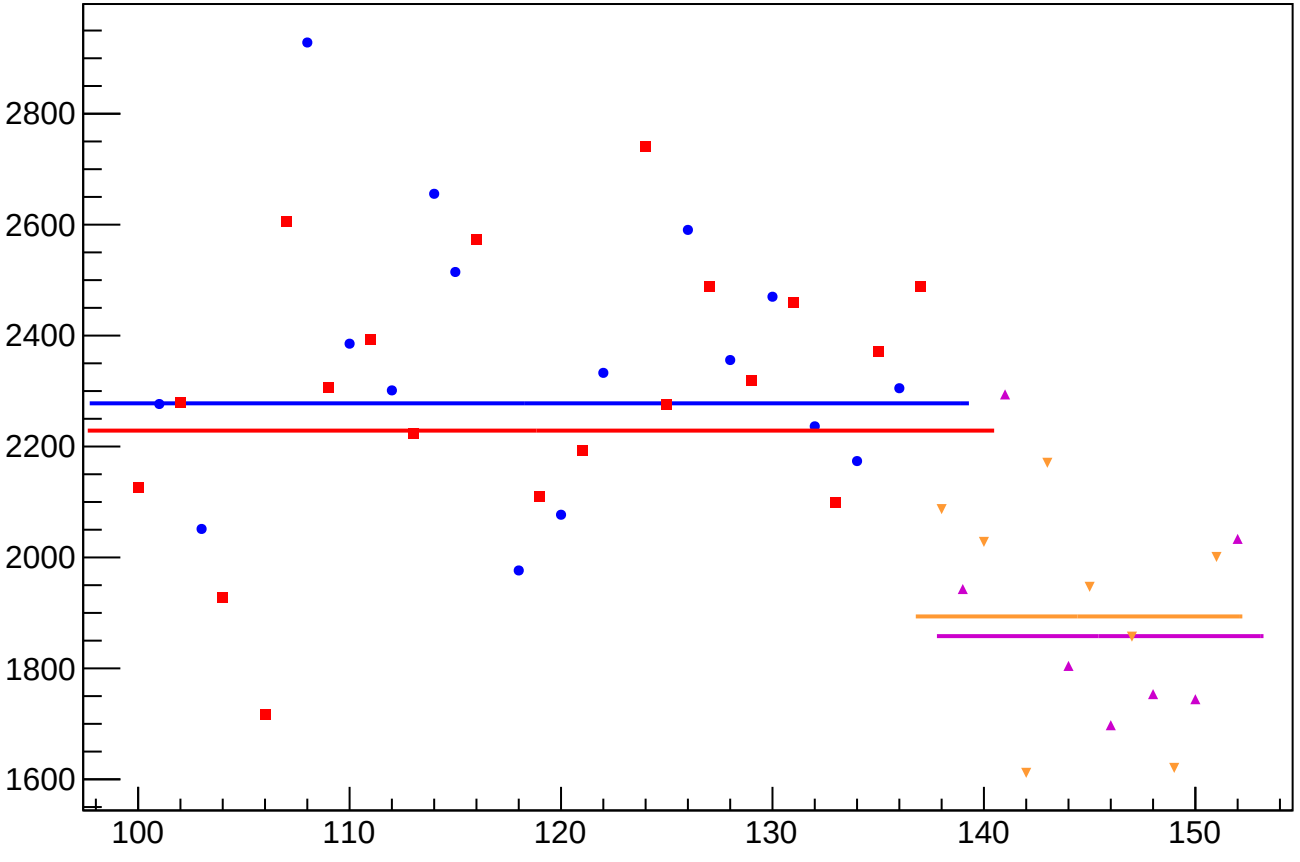
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -9.267+/-0.568 χ^2/NDF:23039.5/22

Out: -0.442+/-0.561 χ^2/NDF:2872.6/26

All: -4.799+/-0.399 χ^2/NDF: 26034.5/49

diff_bpm0i01X_rms vs Slug, Sign Corrected



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: 1858.154+/-0.539 χ^2/NDF:107557.7/6

Left: 1875.754+/-0.382 χ^2/NDF: 237470.5/14

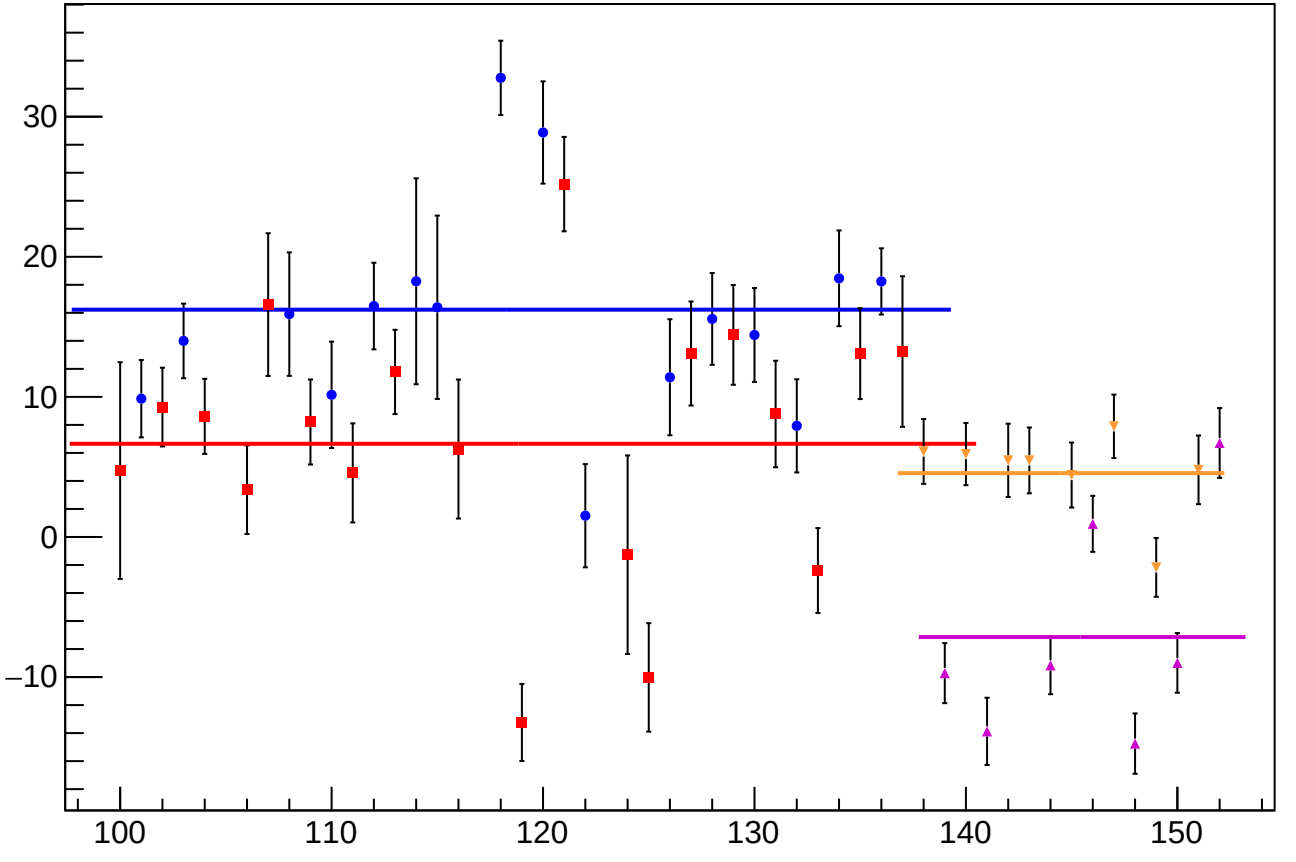
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2044.760+/-0.401 χ^2/NDF:493239.3/22

Out: 2050.238+/-0.396 χ^2/NDF:456684.5/26

All: 2047.533+/-0.282 χ^2/NDF: 950018.0/49

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: -7.145+/-0.824 χ^2/NDF:70.7/6

Left: -1.259+/-0.581 χ^2/NDF: 185.8/14

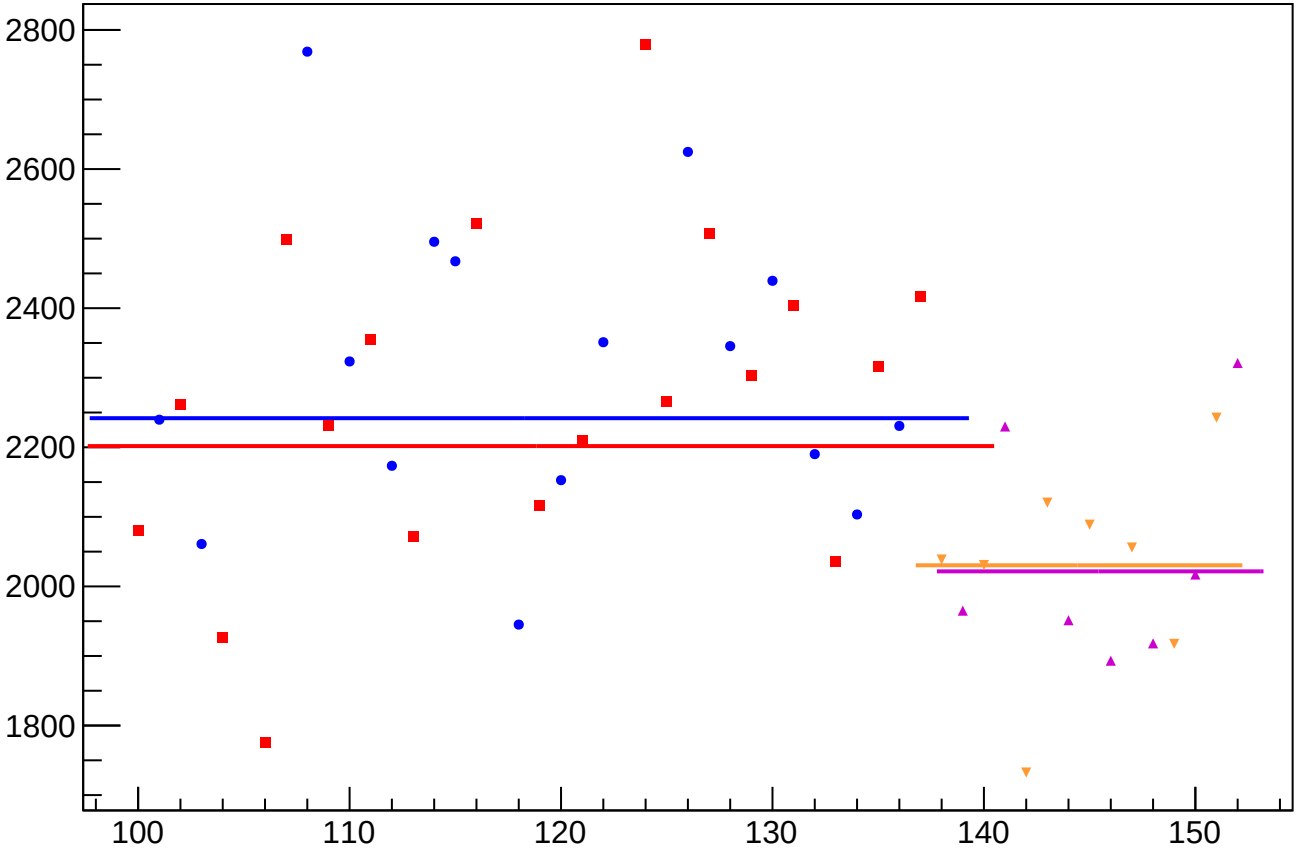
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.346+/-0.587 χ^2/NDF:551.0/22

Out: 5.618+/-0.576 χ^2/NDF:151.4/26

All: 4.994+/-0.411 χ^2/NDF: 704.8/49

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: 2021.640+/-0.582 χ^2/NDF:60490.8/6

Left: 2026.041+/-0.411 χ^2/NDF: 111814.9/14

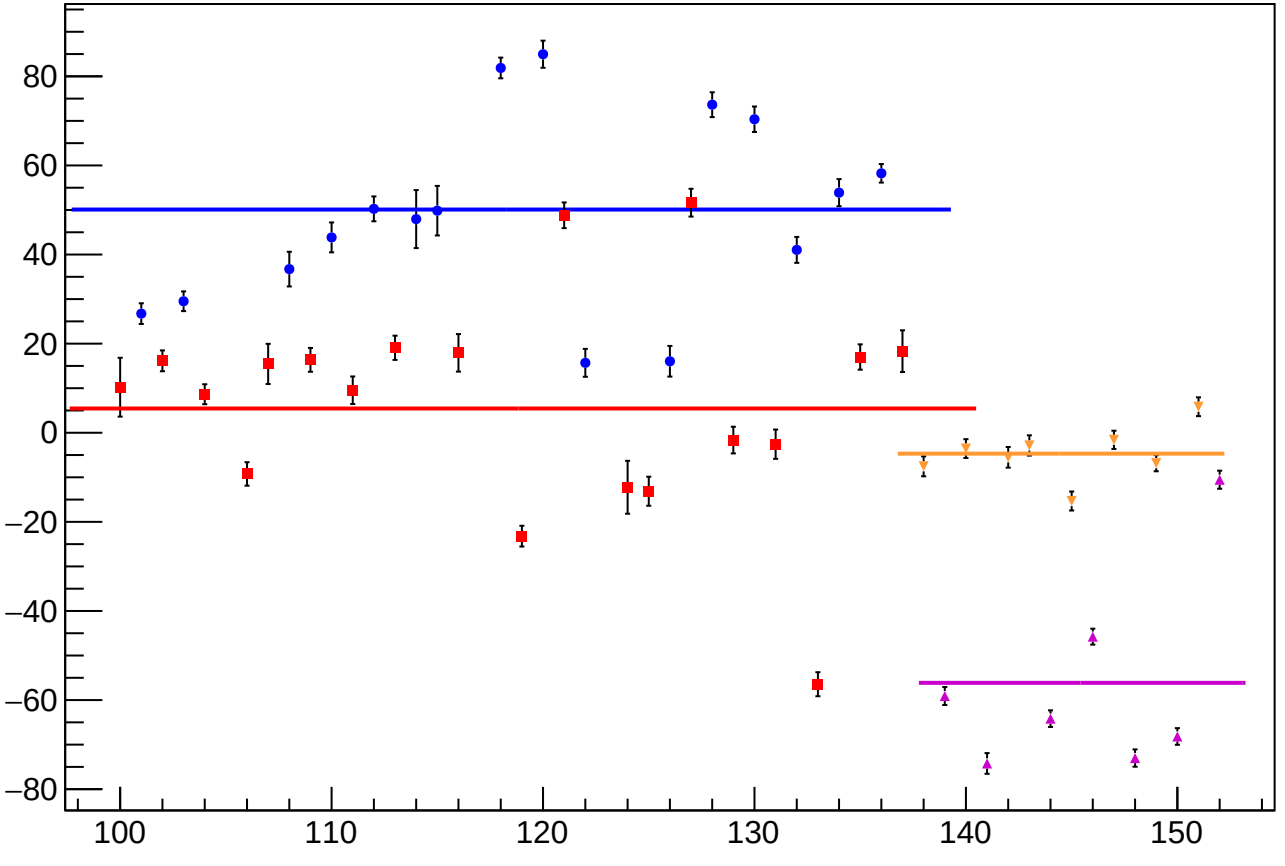
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2129.909+/-0.415 χ^2/NDF:233026.0/22

Out: 2117.077+/-0.407 χ^2/NDF:225390.2/26

All: 2123.364+/-0.291 χ^2/NDF: 458903.2/49

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: -56.132+/-0.740 χ^2/NDF:736.4/6

Left: -30.663+/-0.526 χ^2/NDF: 3184.4/14

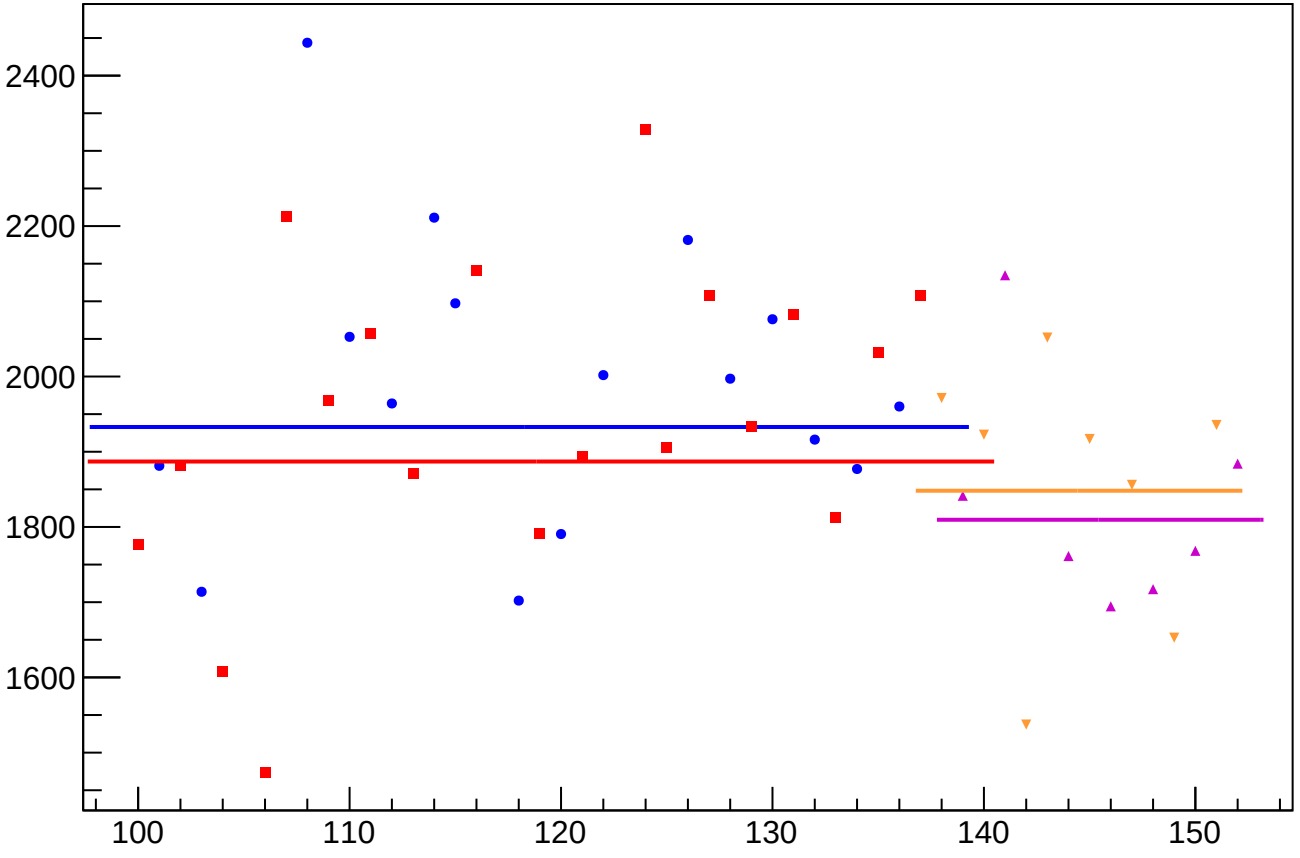
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -1.708+/-0.517 χ^2/NDF:12179.9/22

Out: 0.751+/-0.509 χ^2/NDF:1466.3/26

All: -0.459+/-0.363 χ^2/NDF: 13657.6/49

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: 1809.582+/-0.523 χ^2/NDF:57398.3/6

Left: 1828.698+/-0.372 χ^2/NDF: 149374.4/14

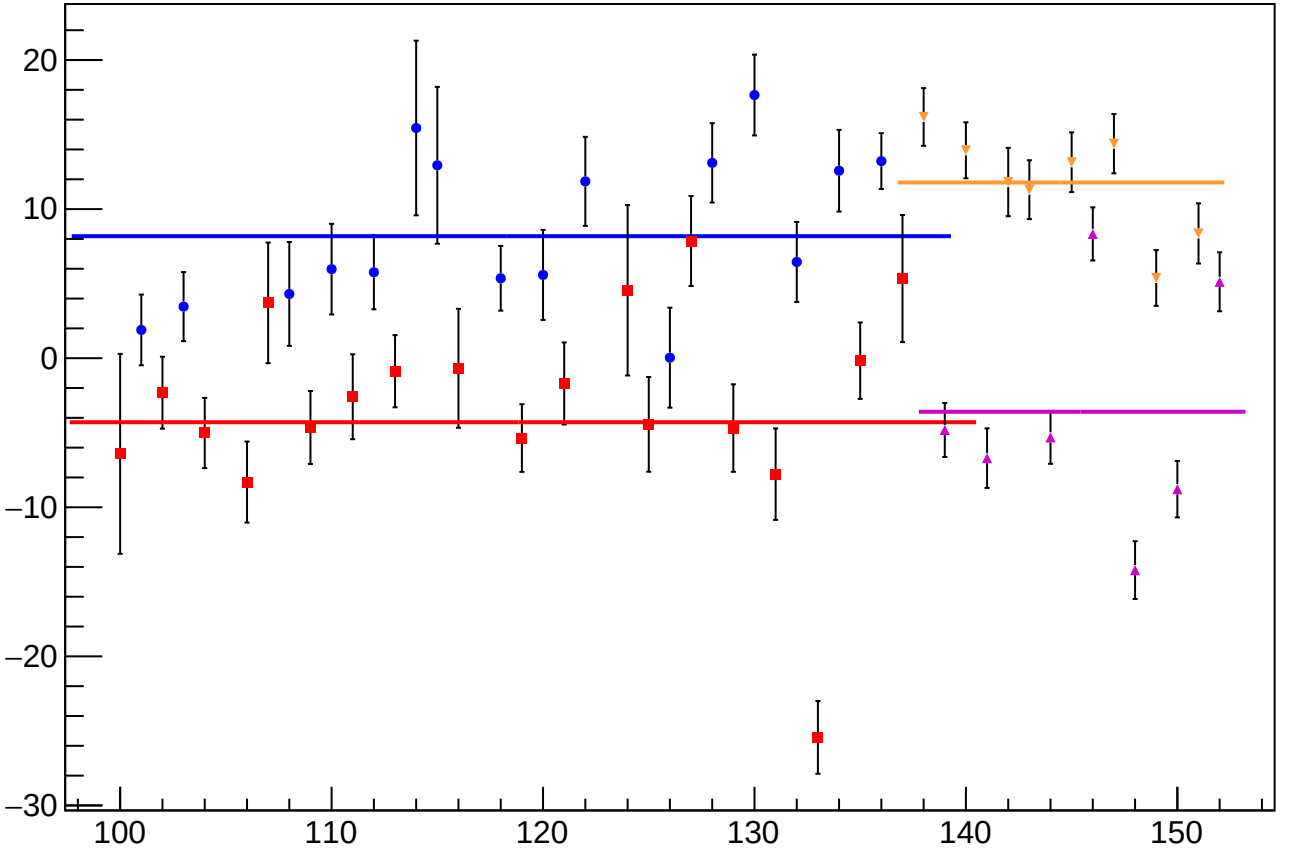
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1872.760+/-0.365 χ^2/NDF:191812.7/22

Out: 1869.029+/-0.360 χ^2/NDF:241922.6/26

All: 1870.865+/-0.256 χ^2/NDF: 433788.2/49

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: -3.592+/-0.709 χ^2/NDF:105.7/6

Left: 4.172+/-0.499 χ^2/NDF: 366.7/14

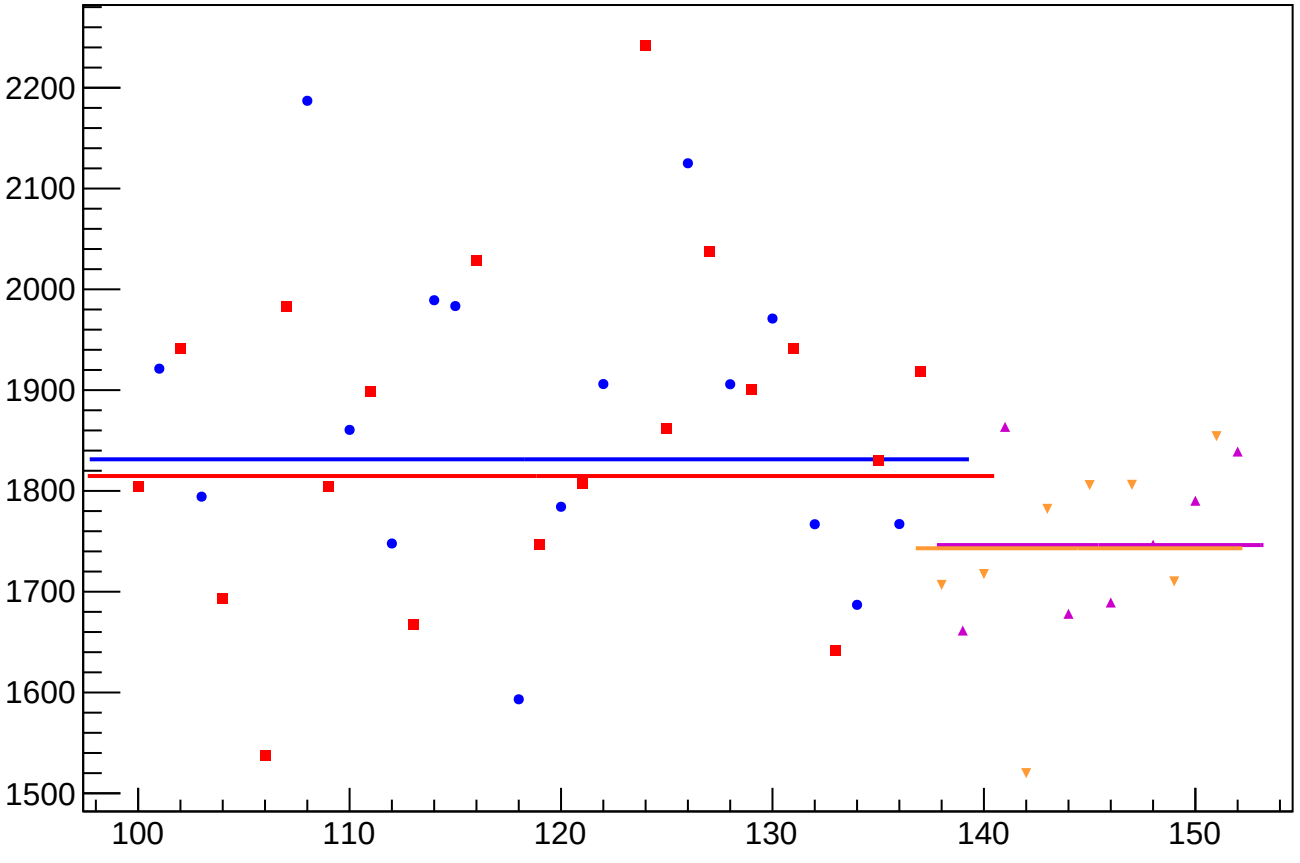
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 2.507+/-0.492 χ^2/NDF:300.7/22

Out: 3.318+/-0.483 χ^2/NDF:413.8/26

All: 2.920+/-0.345 χ^2/NDF: 715.8/49

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: 1746.279+/-0.501 χ^2/NDF:21784.6/6

Left: 1744.671+/-0.353 χ^2/NDF: 53269.6/14

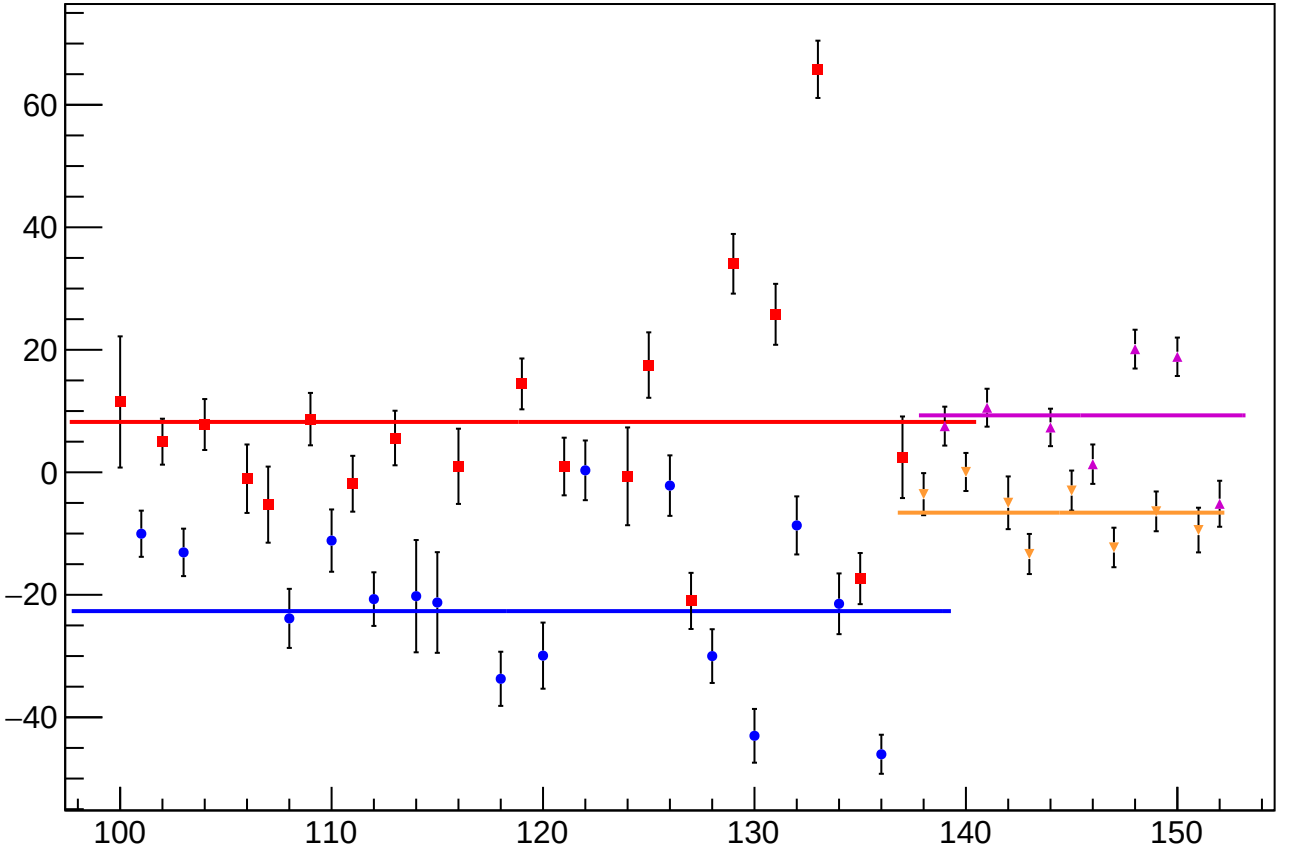
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1790.345+/-0.348 χ^2/NDF:123640.1/22

Out: 1780.832+/-0.341 χ^2/NDF:133191.2/26

All: 1785.500+/-0.244 χ^2/NDF: 257212.2/49

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: 9.298+/-1.214 χ^2/NDF:42.7/6

Left: 1.261+/-0.853 χ^2/NDF: 144.1/14

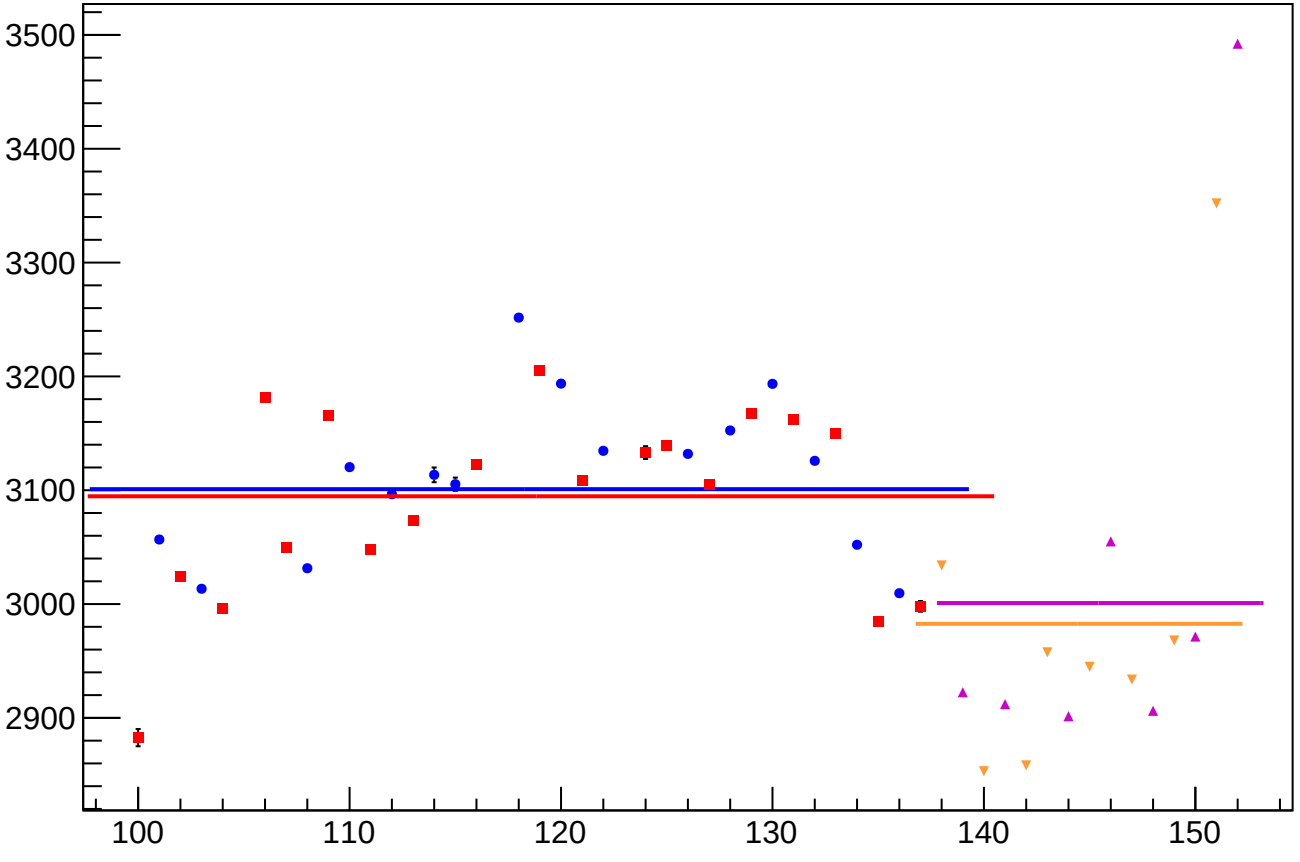
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -7.514+/-0.835 χ^2/NDF:564.8/22

Out: 1.265+/-0.822 χ^2/NDF:390.4/26

All: -3.053+/-0.586 χ^2/NDF: 1011.3/49

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: 3000.906+/-0.858 χ^2/NDF:41750.9/6

Left: 2991.663+/-0.603 χ^2/NDF: 68964.6/14

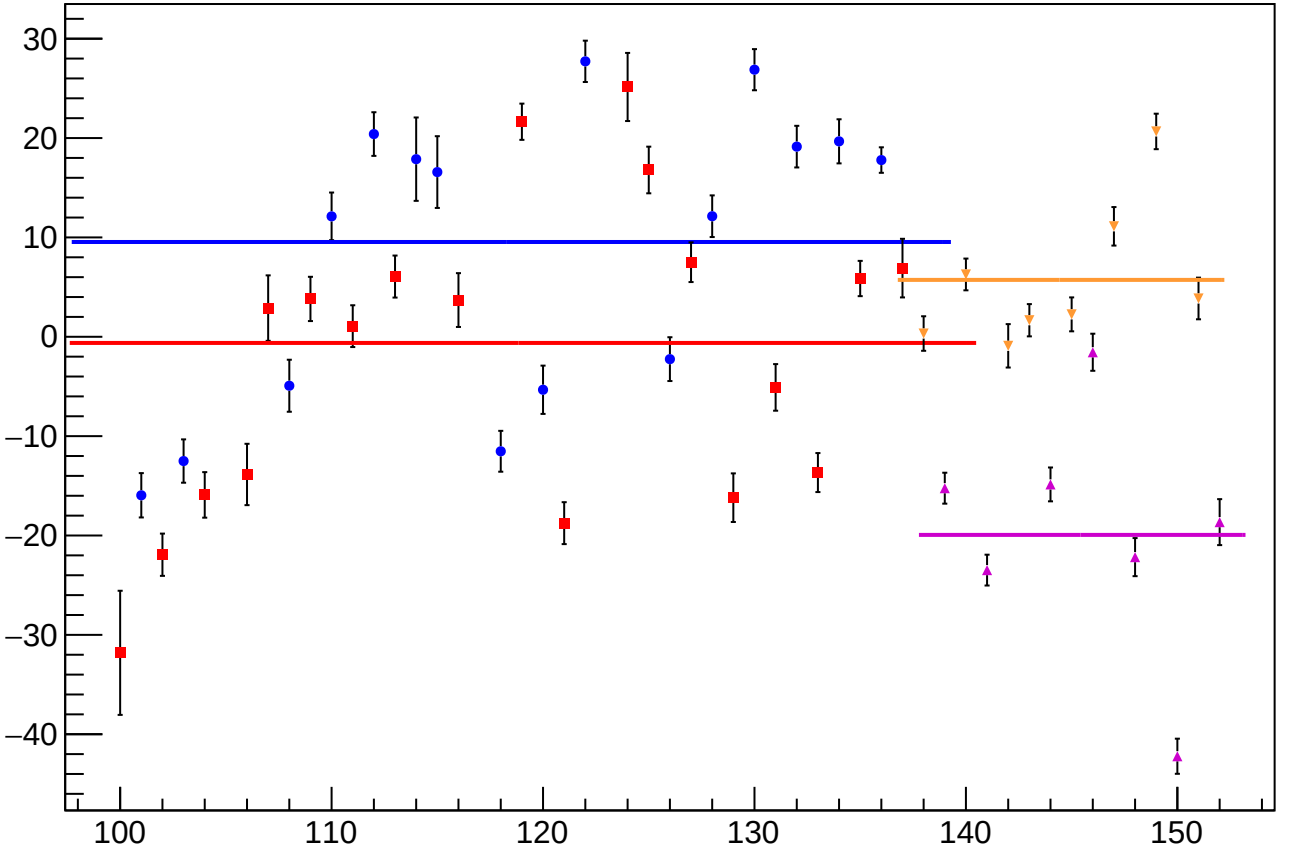
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3053.526+/-0.591 χ^2/NDF:56793.4/22

Out: 3042.048+/-0.581 χ^2/NDF:44827.1/26

All: 3047.693+/-0.414 χ^2/NDF: 101812.4/49

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: -19.939+/-0.668 χ^2/NDF:280.8/6

Left: -6.497+/-0.461 χ^2/NDF: 1161.2/14

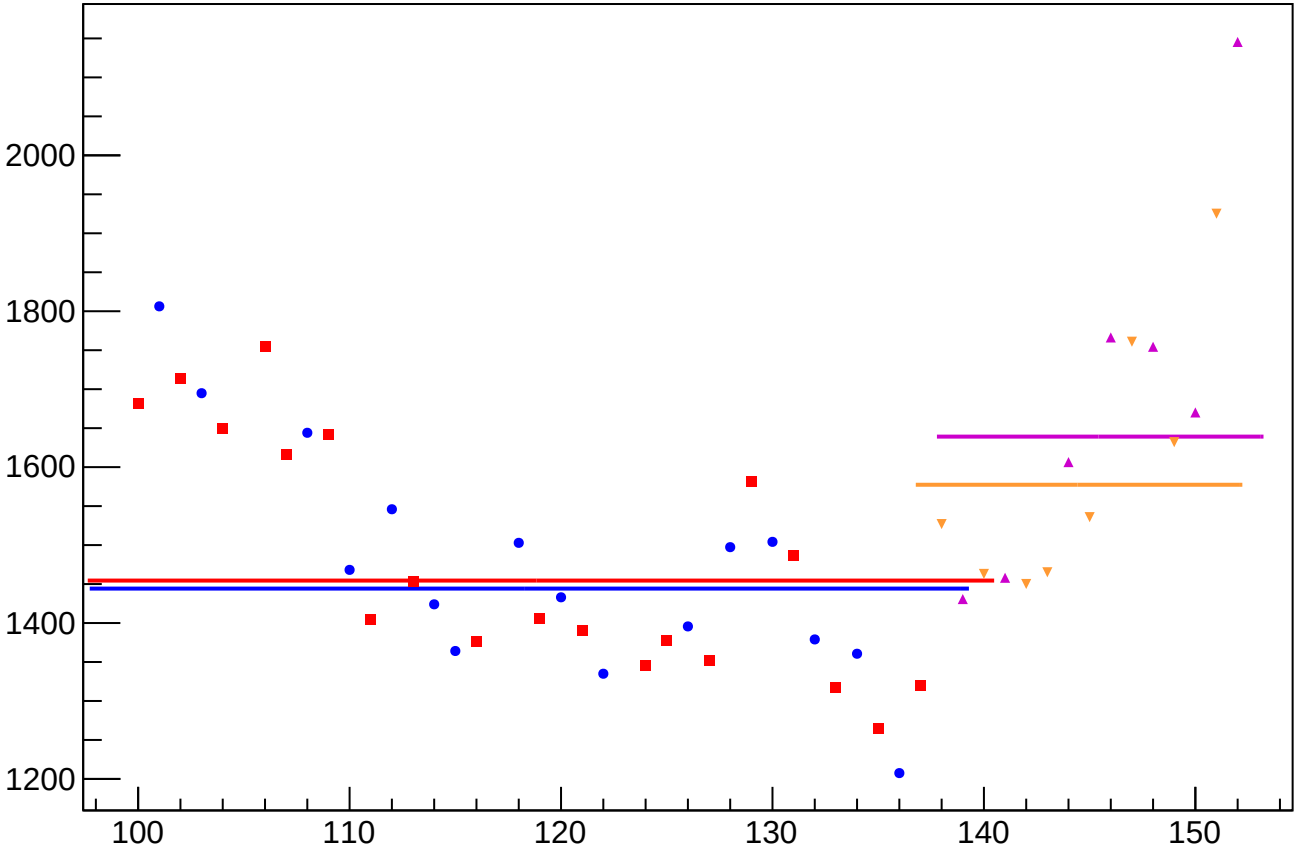
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -2.139+/-0.421 χ^2/NDF:2154.6/22

Out: 1.998+/-0.409 χ^2/NDF:832.0/26

All: -0.014+/-0.293 χ^2/NDF: 3036.2/49

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: 1639.157+/-0.473 χ^2/NDF:176791.8/6

Left: 1606.806+/-0.326 χ^2/NDF: 290042.8/14

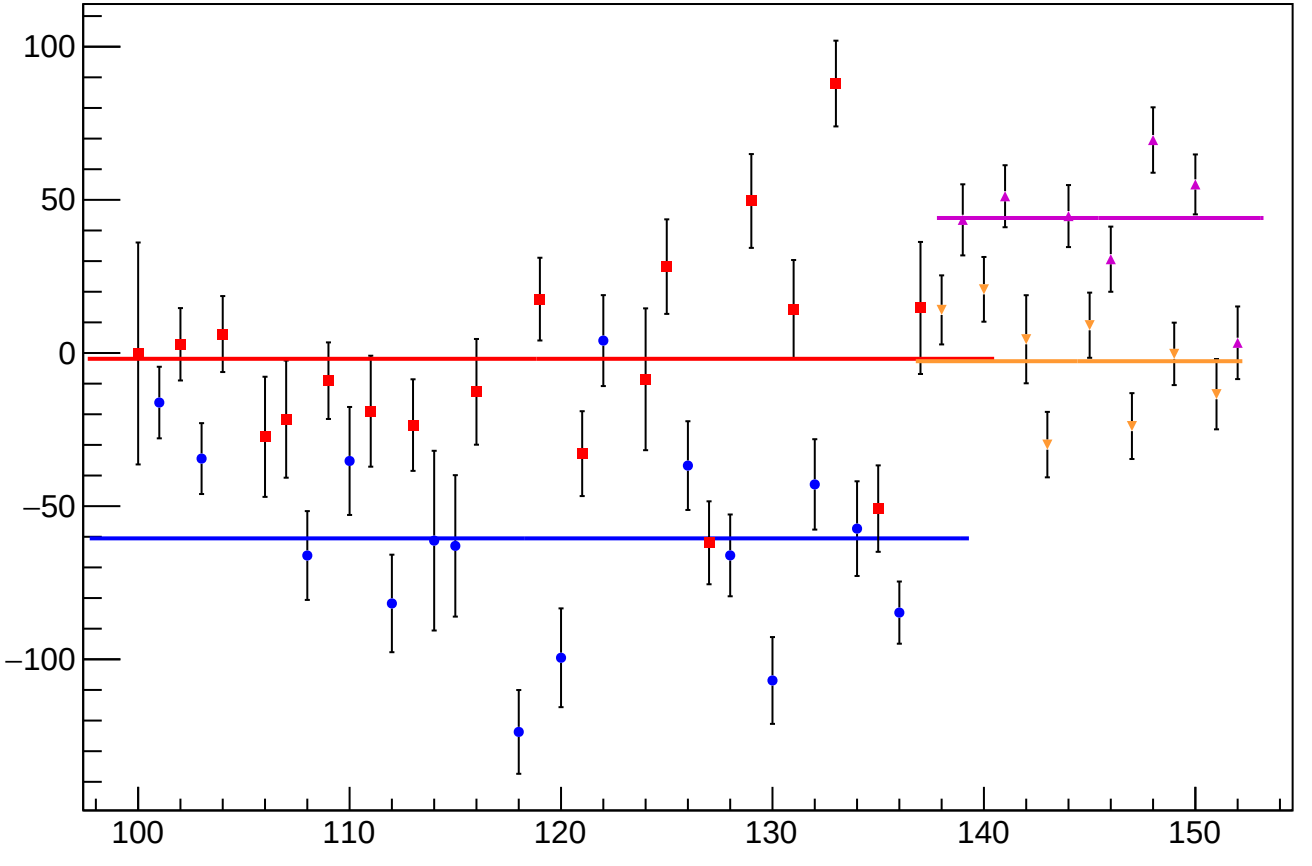
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1521.429+/-0.297 χ^2/NDF:459733.5/22

Out: 1505.188+/-0.289 χ^2/NDF:290780.8/26

All: 1513.088+/-0.207 χ^2/NDF: 752045.7/49

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: 44.078+/-4.013 χ^2/NDF:20.8/6

Left: 20.146+/-2.804 χ^2/NDF: 110.3/14

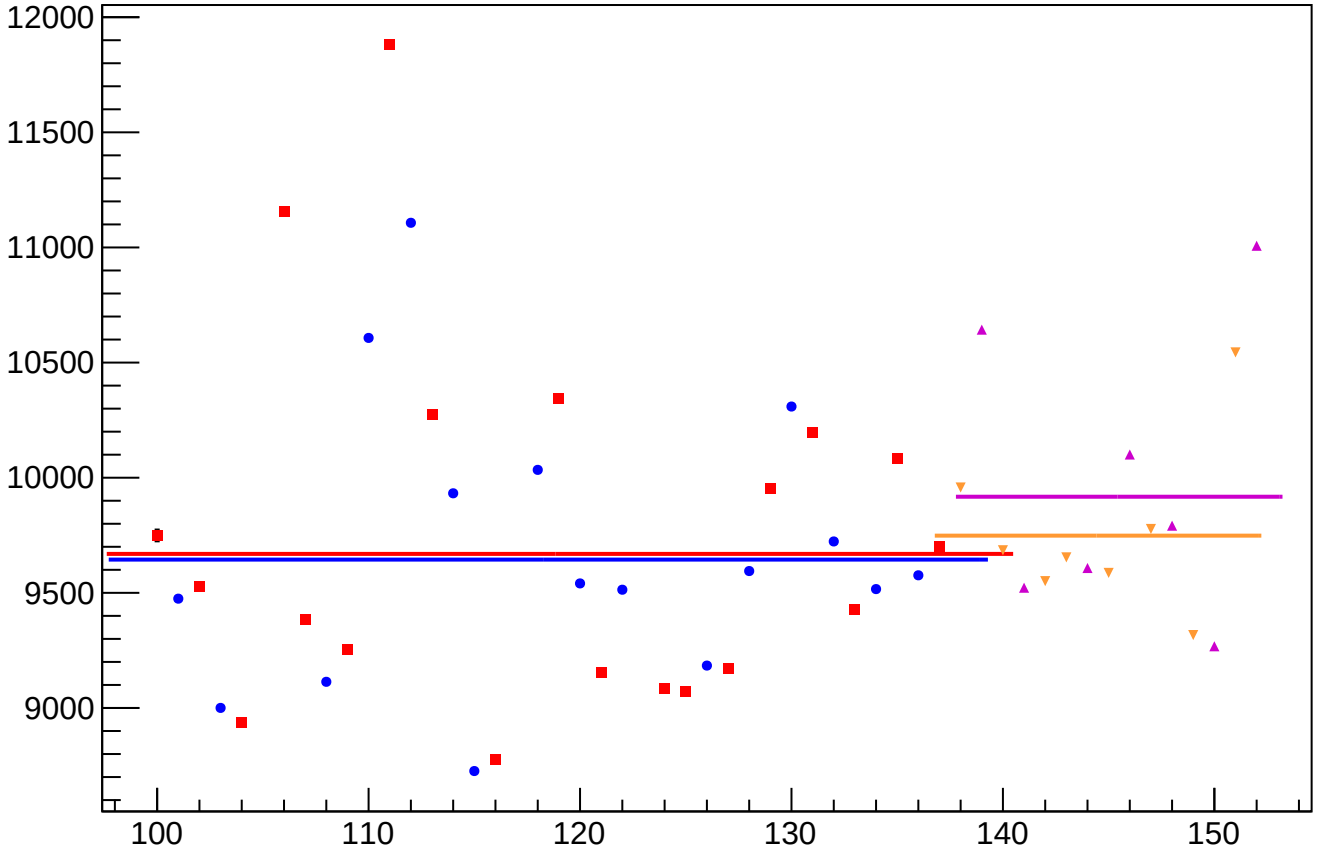
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -13.926+/-2.678 χ^2/NDF:488.0/22

Out: -2.246+/-2.628 χ^2/NDF:123.8/26

All: -7.976+/-1.876 χ^2/NDF: 621.4/49

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: 9917.448+/-2.837 χ^2/NDF:39324.0/6

Left: 9830.941+/-1.982 χ^2/NDF: 56119.7/14

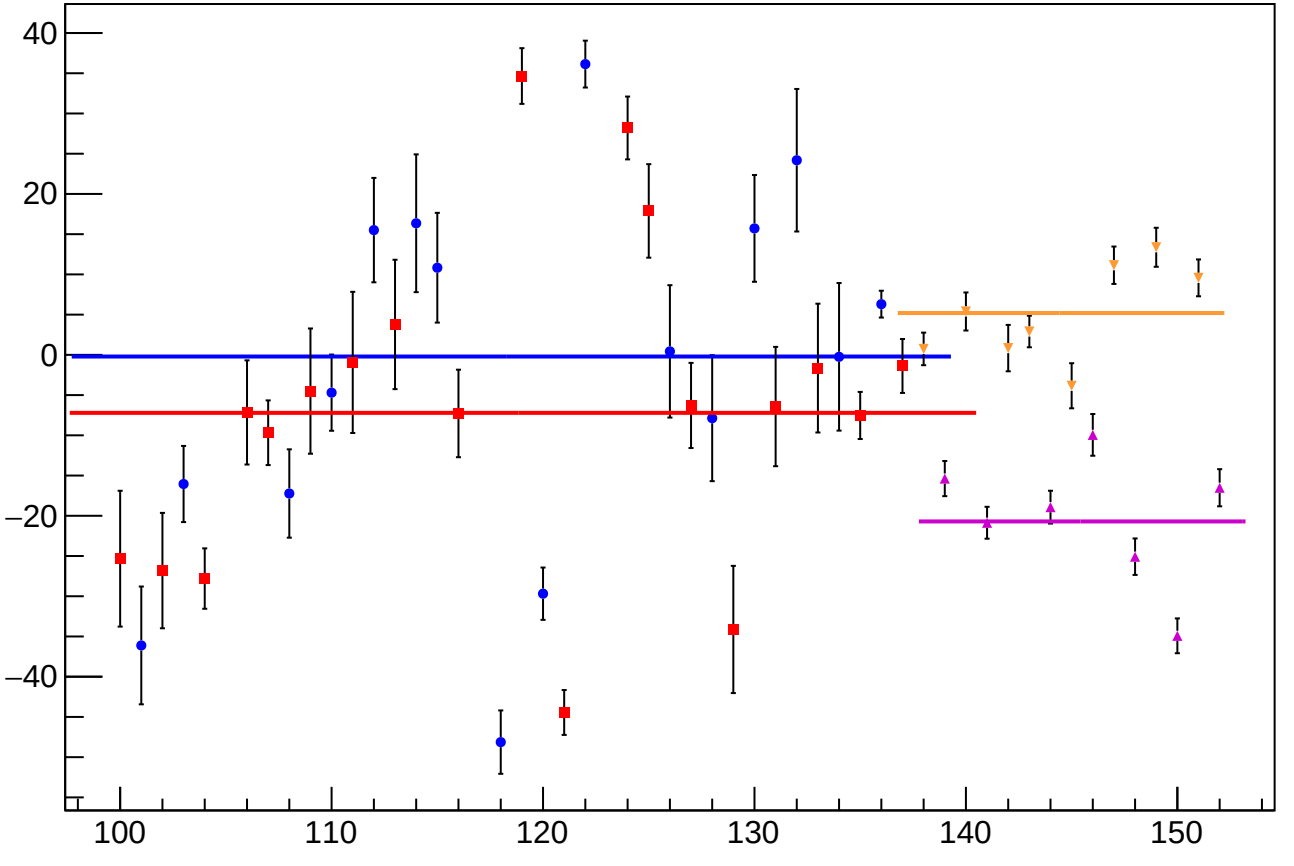
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9766.024+/-1.894 χ^2/NDF:88561.4/22

Out: 9704.807+/-1.858 χ^2/NDF:95308.6/26

All: 9734.837+/-1.326 χ^2/NDF: 184402.3/49

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: -20.702+/-0.831 χ^2/NDF:74.1/6

Left: -7.631+/-0.585 χ^2/NDF: 605.2/14

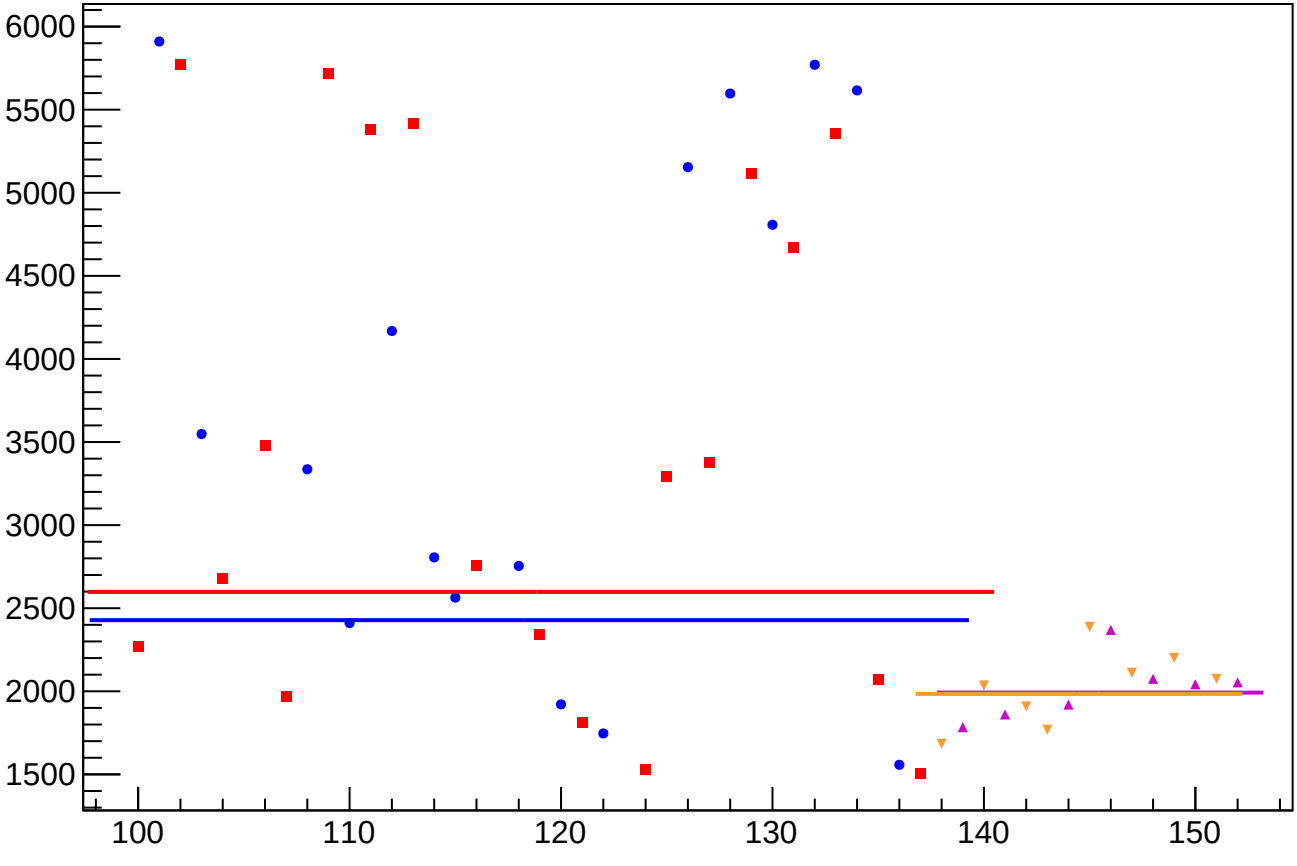
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -12.769+/-0.650 χ^2/NDF:783.4/22

Out: 0.608+/-0.653 χ^2/NDF:610.2/26

All: -6.110+/-0.461 χ^2/NDF: 1604.3/49

diff_bpm0l02Y_rms vs Slug, Sign Corrected



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: 1992.379+/-0.587 χ^2/NDF:76928.3/6

Left: 1988.285+/-0.413 χ^2/NDF: 213999.9/14

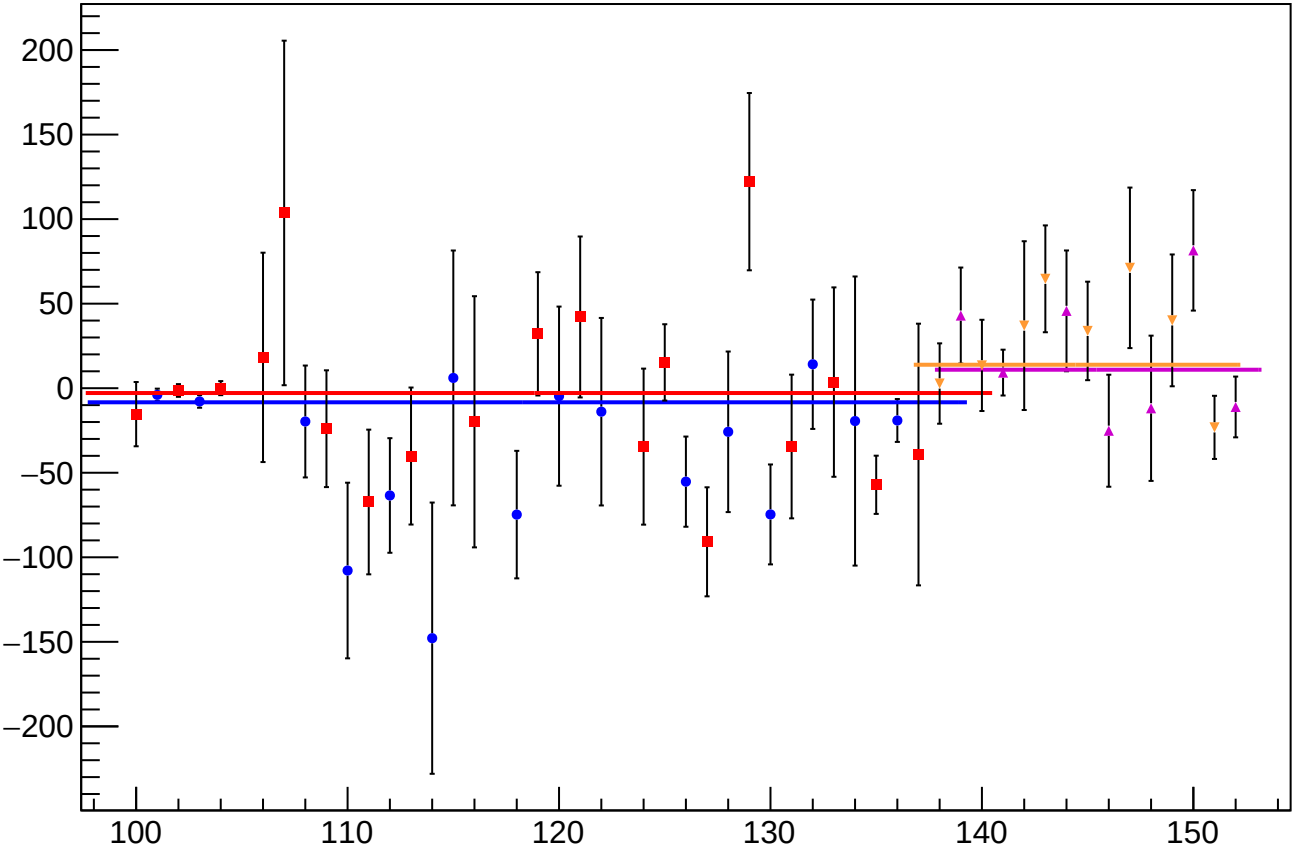
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2161.012+/-0.460 χ^2/NDF:3105231.1/22

Out: 2211.544+/-0.462 χ^2/NDF:3063998.6/26

All: 2186.168+/-0.326 χ^2/NDF: 6175240.8/49

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: 10.926+/-8.836 χ^2/NDF:9.1/6

Left: 12.198+/-6.666 χ^2/NDF: 18.5/14

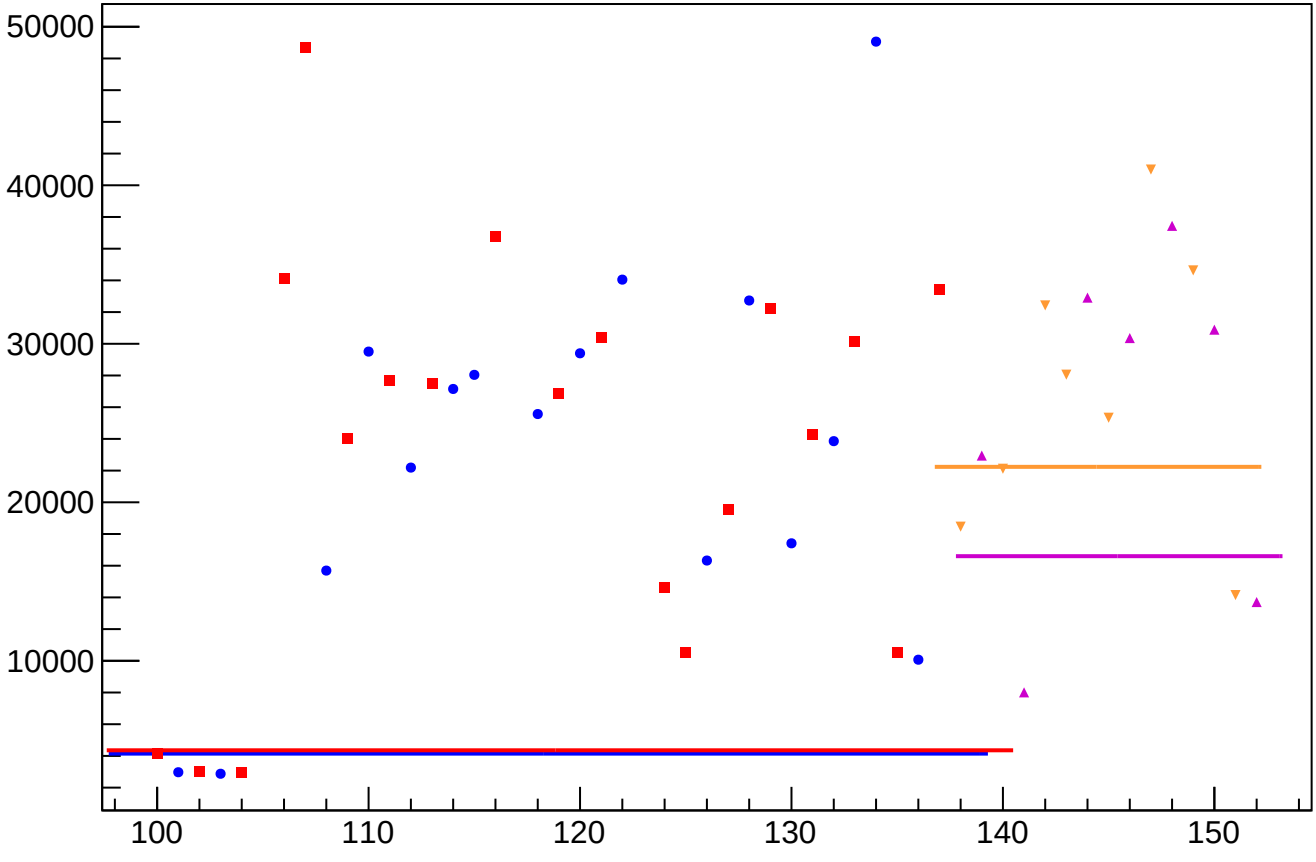
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.906+/-2.405 χ^2/NDF:37.0/22

Out: -1.790+/-2.555 χ^2/NDF:44.5/26

All: -4.502+/-1.751 χ^2/NDF: 83.6/49

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: 16600.966+/-6.248 χ^2/NDF:2510408.3/6

Left: 19029.036+/-4.714 χ^2/NDF: 3974823.3/14

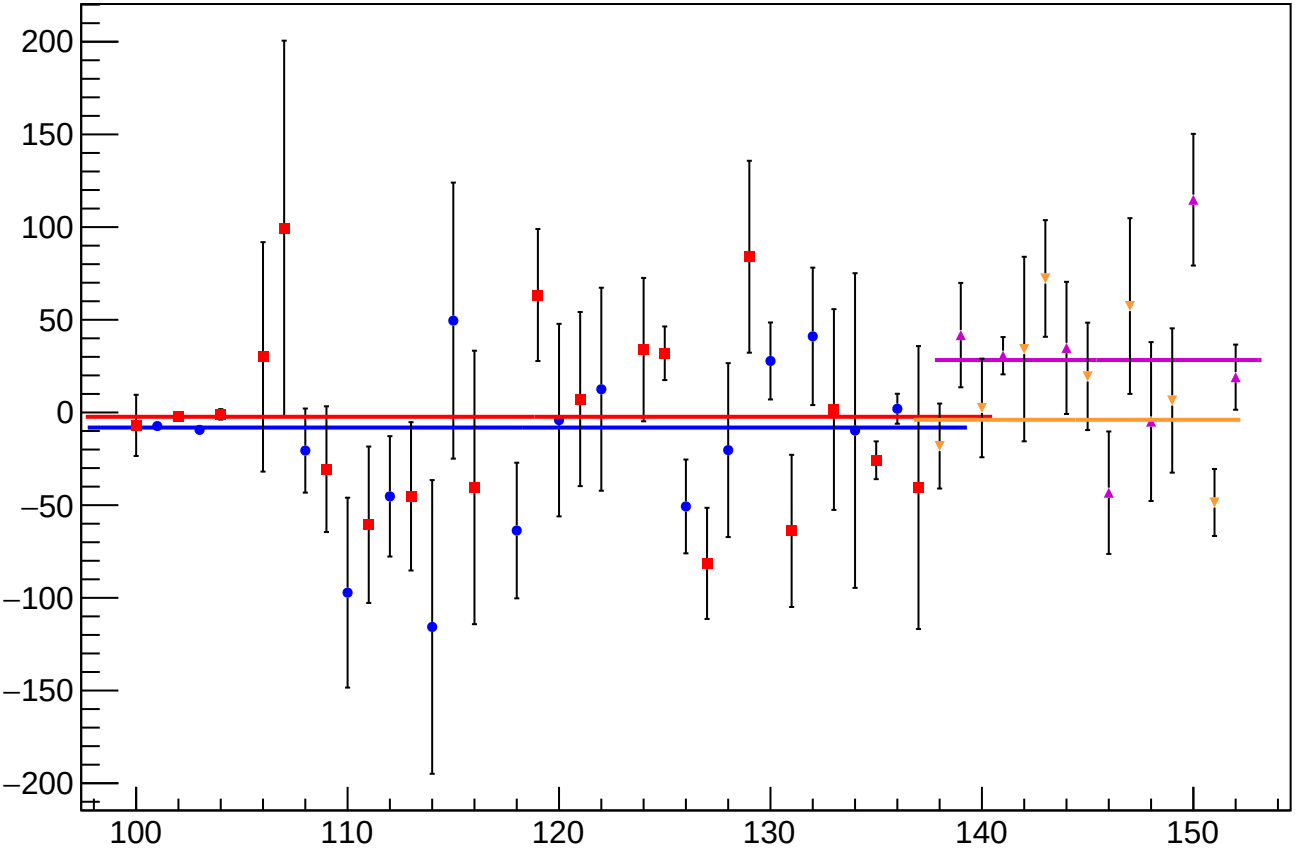
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 5068.528+/-1.701 χ^2/NDF:13026898.6/22

Out: 5485.990+/-1.806 χ^2/NDF:14547098.2/26

All: 5264.672+/-1.238 χ^2/NDF: 27602310.1/4

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: 28.295+/-7.578 χ^2/NDF:11.8/6

Left: 16.462+/-6.030 χ^2/NDF: 33.9/14

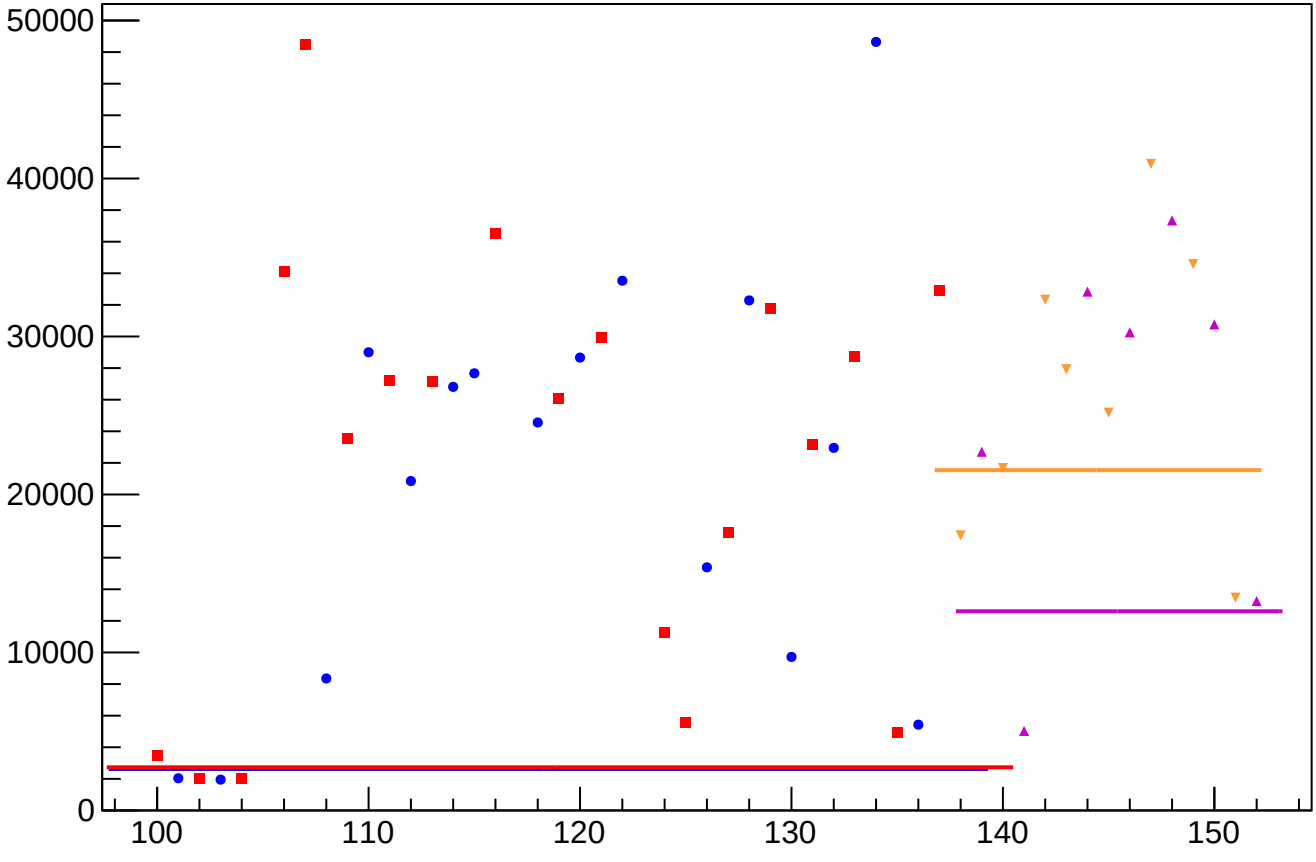
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.347+/-1.678 χ^2/NDF:52.9/22

Out: -2.378+/-1.792 χ^2/NDF:48.5/26

All: -4.493+/-1.225 χ^2/NDF: 104.0/49

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: 12606.397+/-5.359 χ^2/NDF:3797420.9/6

Left: 15883.569+/-4.264 χ^2/NDF: 6047553.4/14

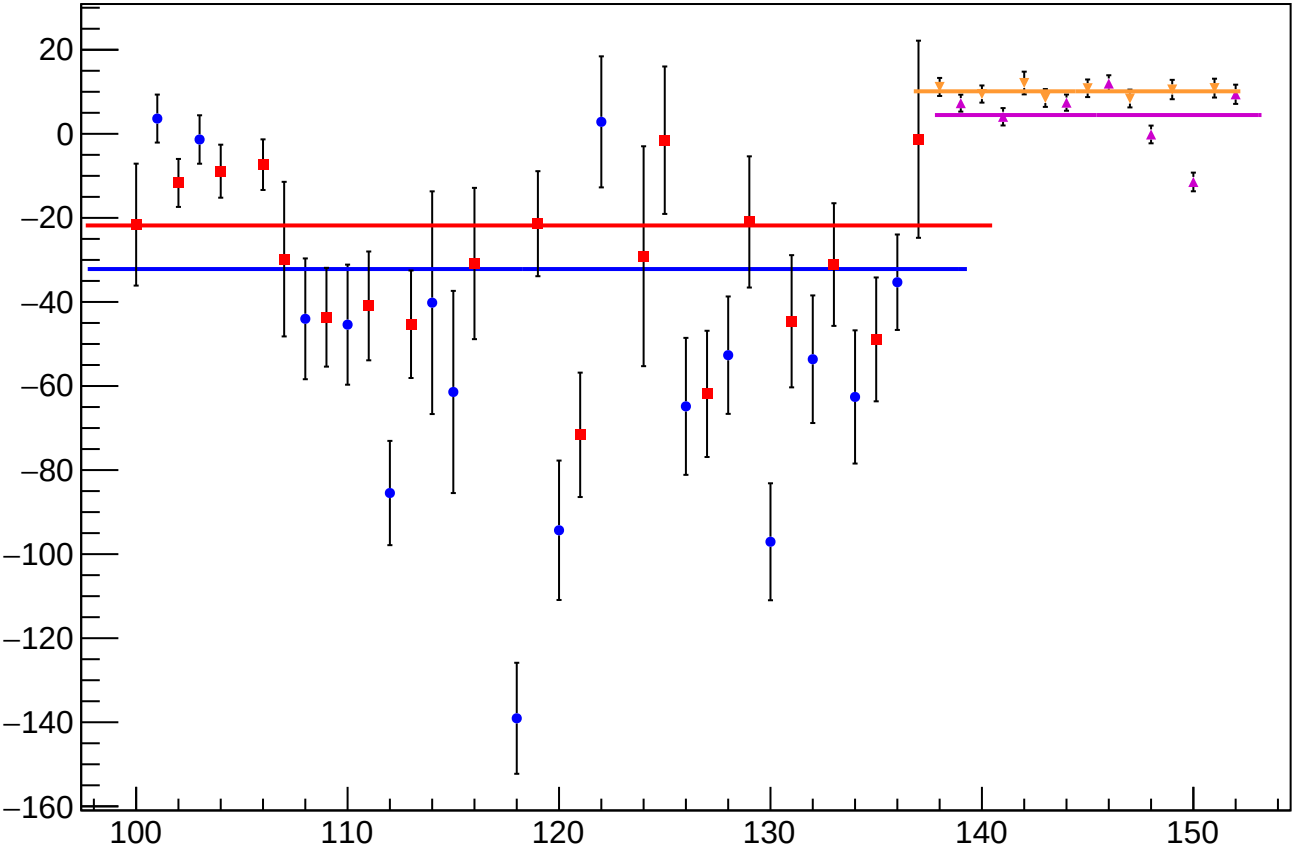
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3115.554+/-1.186 χ^2/NDF:13876863.5/22

Out: 3339.615+/-1.267 χ^2/NDF:16124511.4/26

All: 3220.217+/-0.866 χ^2/NDF: 30018038.1/4

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: 4.470+/-0.785 χ^2/NDF:79.6/6

Left: 7.320+/-0.552 χ^2/NDF: 108.1/14

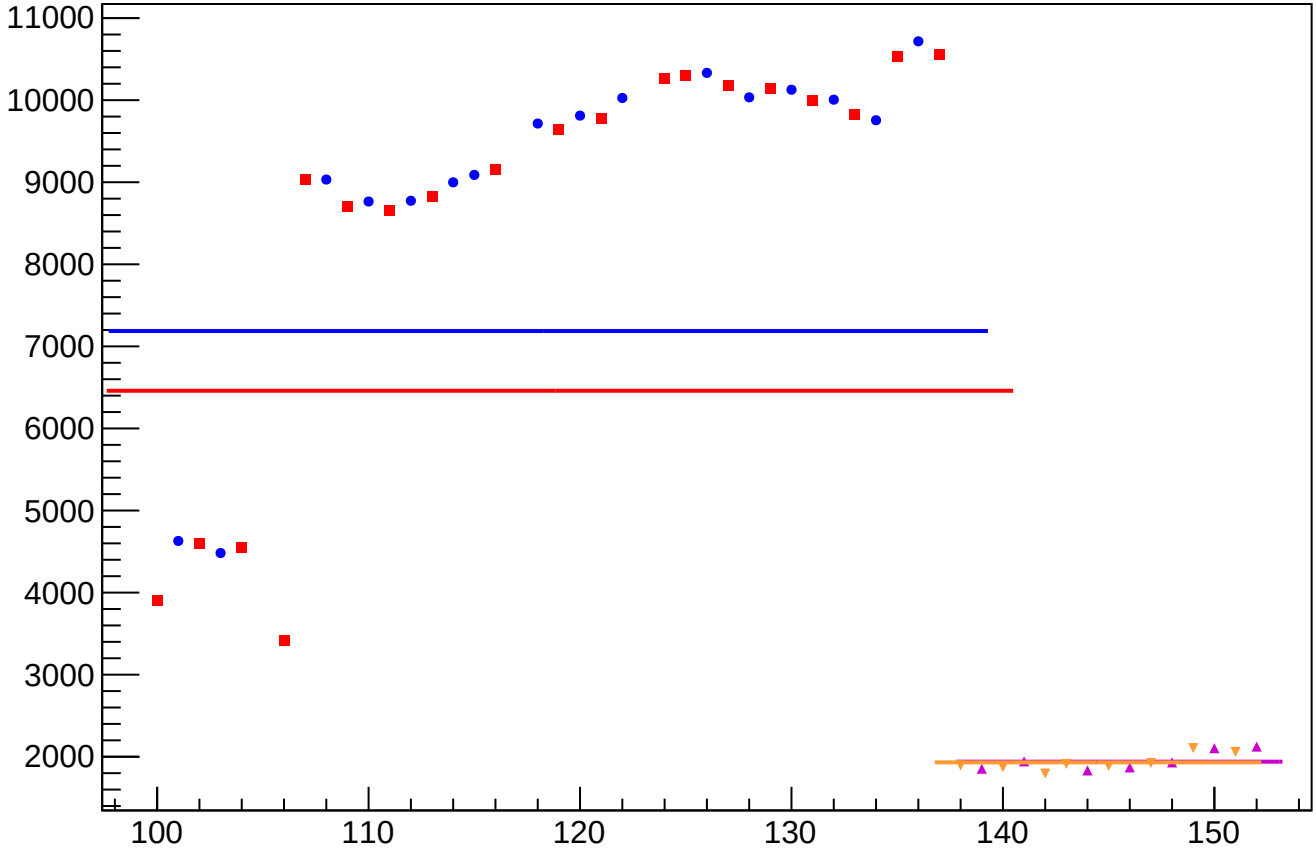
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.873+/-0.757 χ^2/NDF:441.9/22

Out: 7.416+/-0.744 χ^2/NDF:194.0/26

All: 4.693+/-0.530 χ^2/NDF: 663.2/49

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: 1939.984+/-0.555 χ^2/NDF:36076.8/6

Left: 1935.853+/-0.390 χ^2/NDF: 62483.2/14

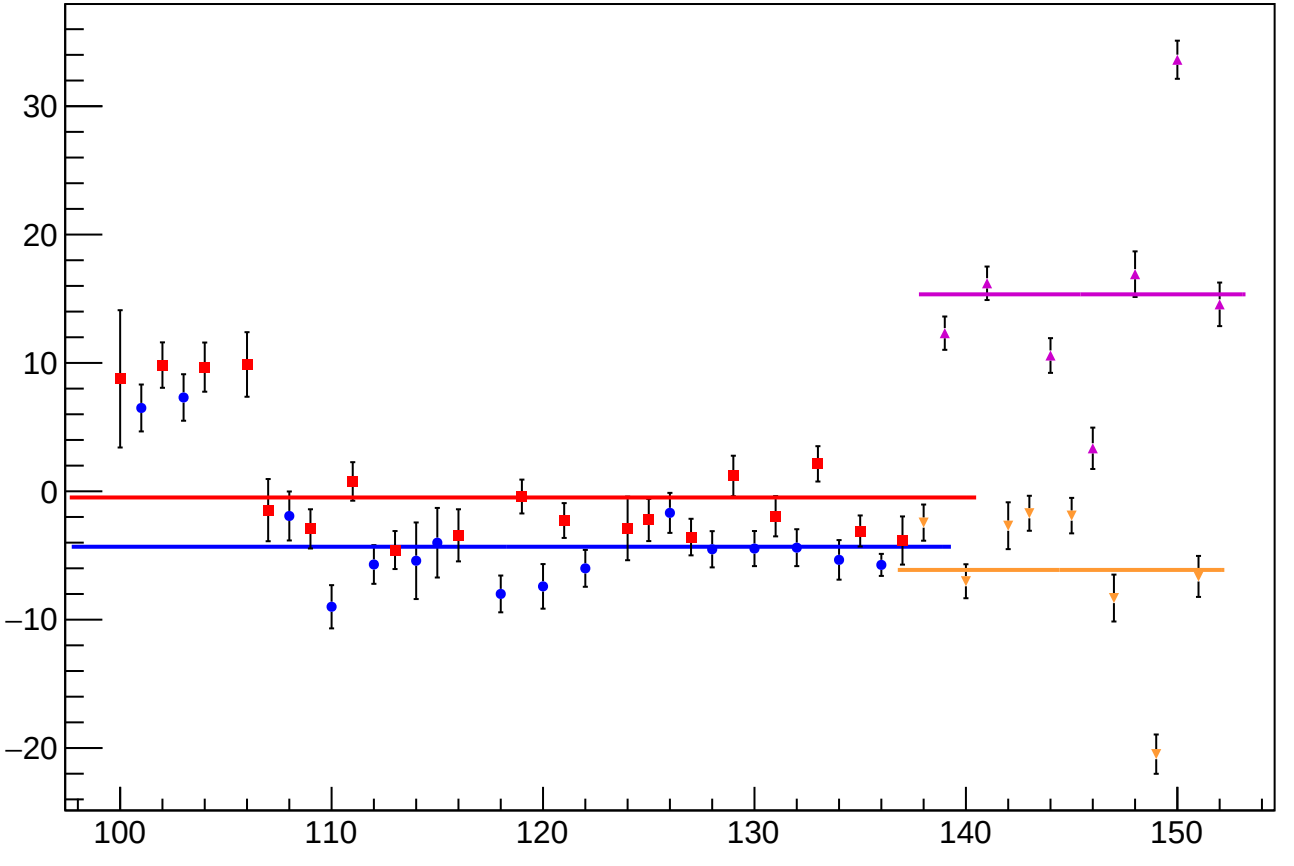
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2311.876+/-0.535 χ^2/NDF:8078157.9/22

Out: 2314.501+/-0.526 χ^2/NDF:8041467.9/26

All: 2313.211+/-0.375 χ^2/NDF: 16119638.1/4

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: 15.344+/-0.556 χ^2/NDF:226.0/6

Left: 4.096+/-0.384 χ^2/NDF: 1126.2/14

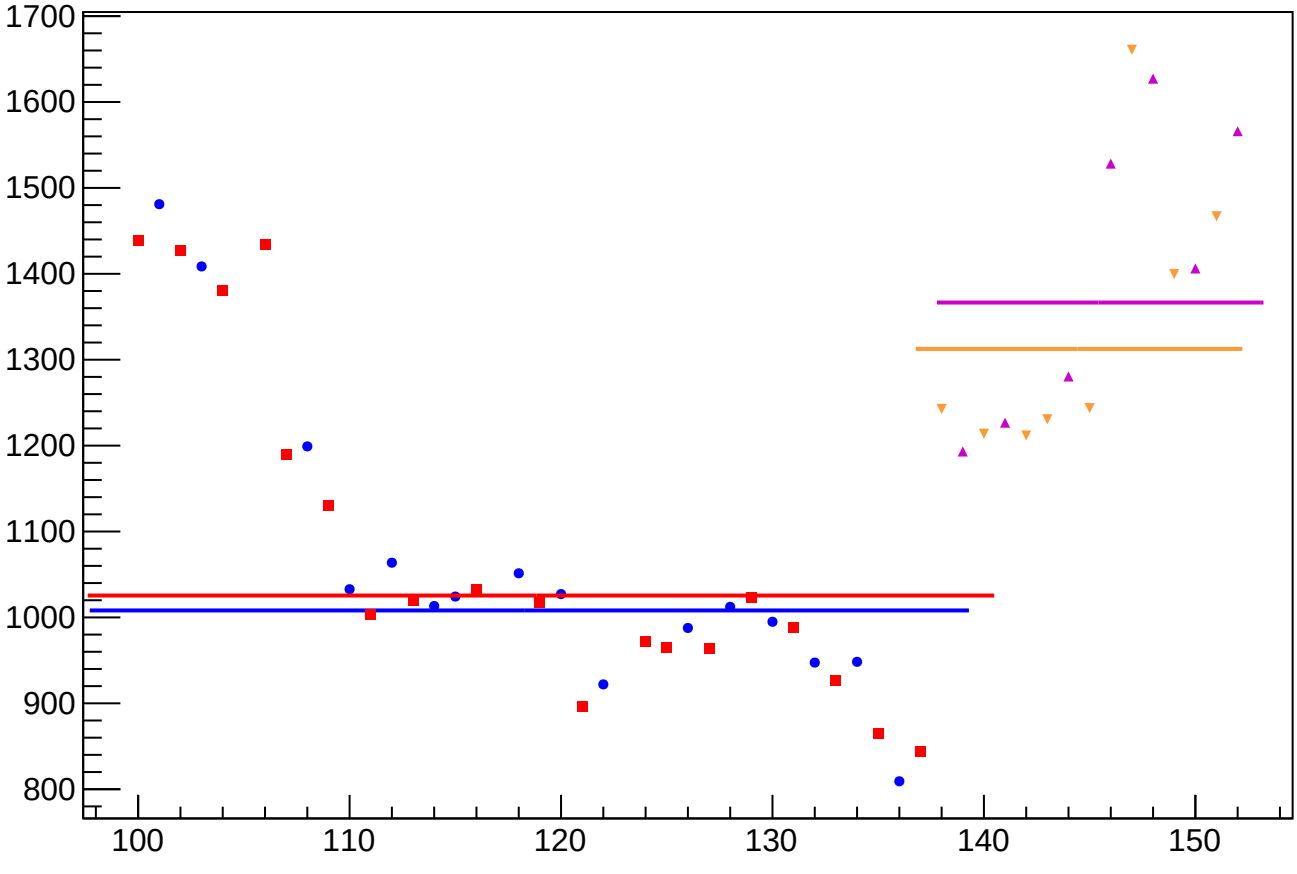
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.930+/-0.314 χ^2/NDF:1181.7/22

Out: -2.387+/-0.308 χ^2/NDF:312.3/26

All: -0.266+/-0.220 χ^2/NDF: 1590.4/49

diff_bpm0l04Y_rms vs Slug, Sign Corrected



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: 1366.582+/-0.393 χ^2/NDF:159043.3/6

Left: 1338.274+/-0.271 χ^2/NDF: 301134.7/14

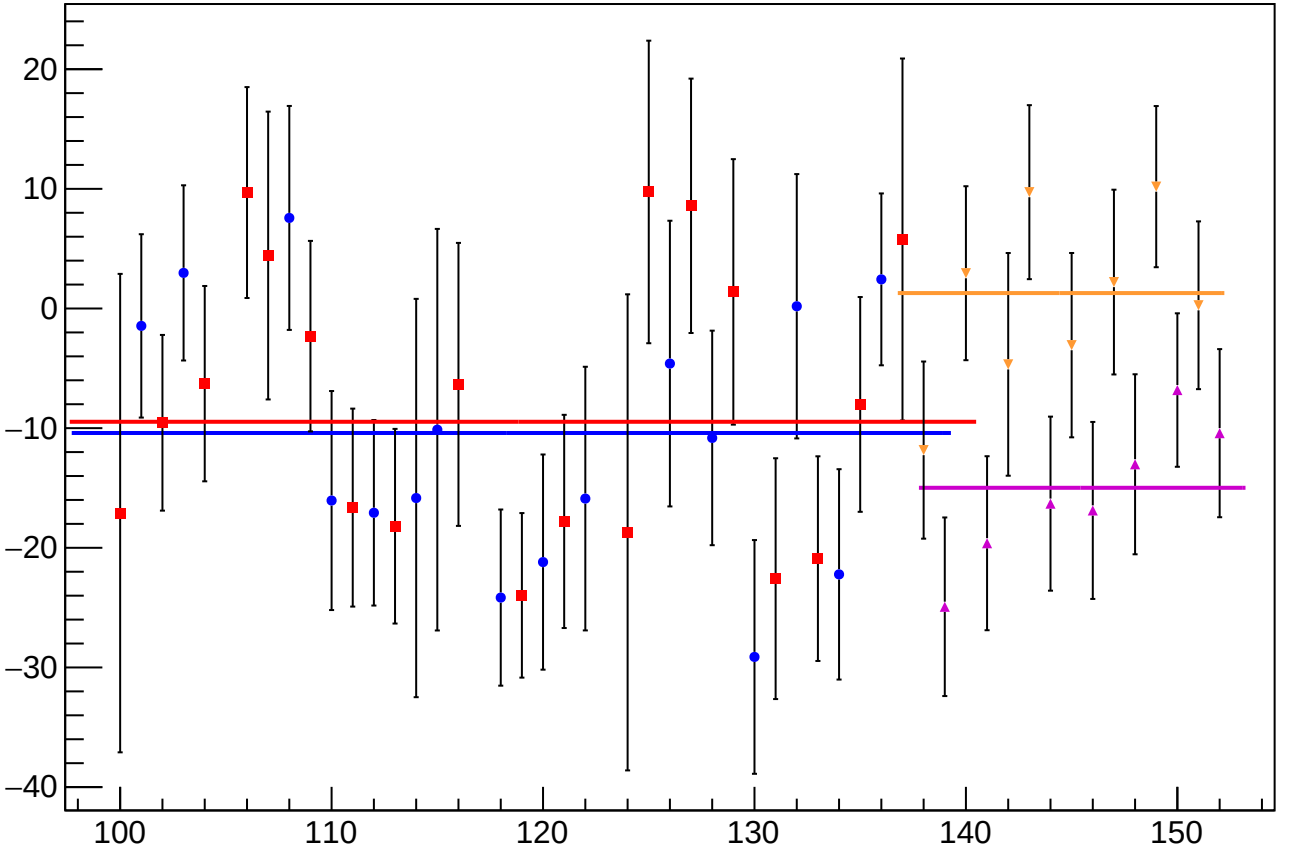
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1122.034+/-0.222 χ^2/NDF:1104240.7/22

Out: 1122.407+/-0.218 χ^2/NDF:866292.0/26

All: 1122.224+/-0.155 χ^2/NDF: 1970534.2/49

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: -14.984+/-2.709 χ^2/NDF:4.4/6

Left: -6.633+/-1.890 χ^2/NDF: 30.0/14

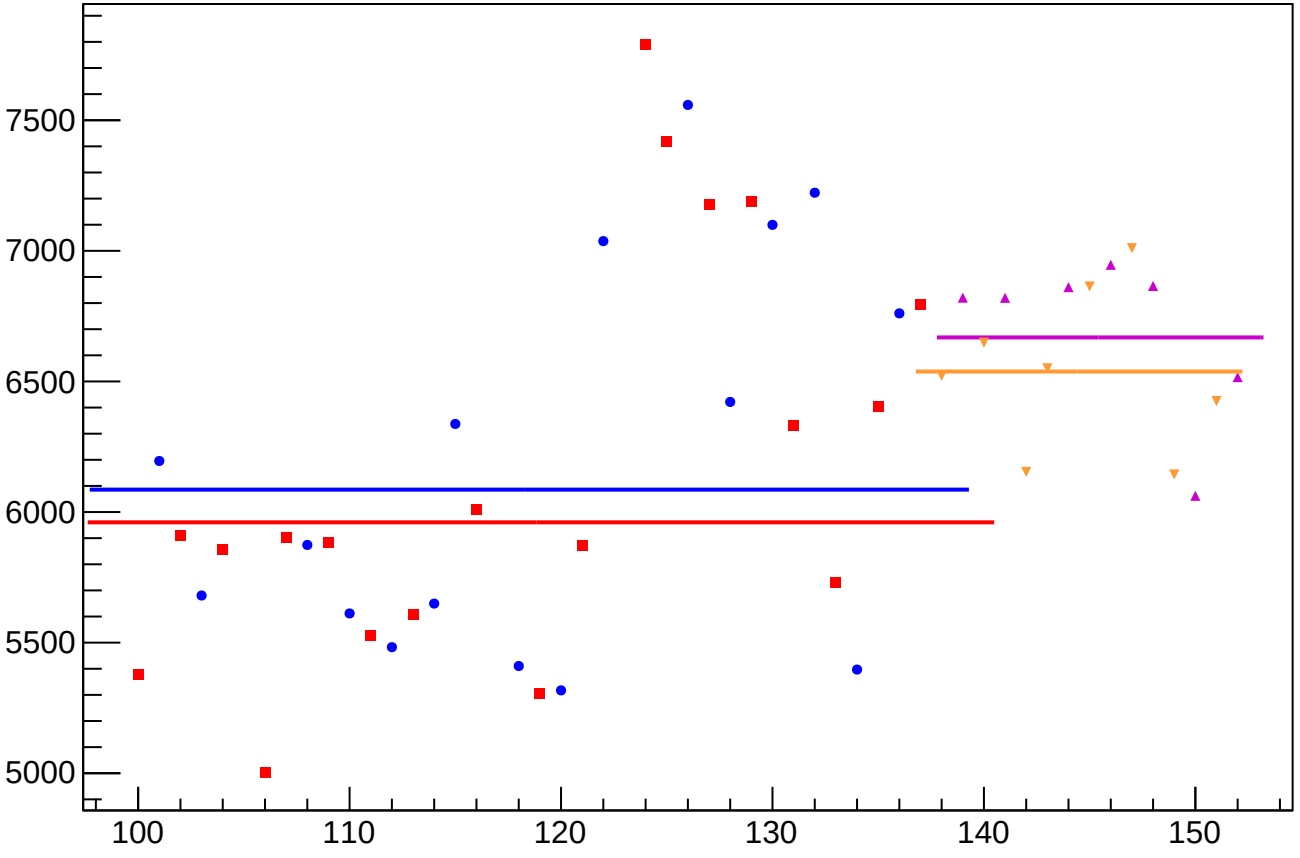
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.303+/-1.744 χ^2/NDF:30.7/22

Out: -5.077+/-1.686 χ^2/NDF:42.2/26

All: -8.566+/-1.212 χ^2/NDF: 81.8/49

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: 6668.492+/-1.915 χ^2/NDF:26113.0/6

Left: 6601.517+/-1.336 χ^2/NDF: 50806.0/14

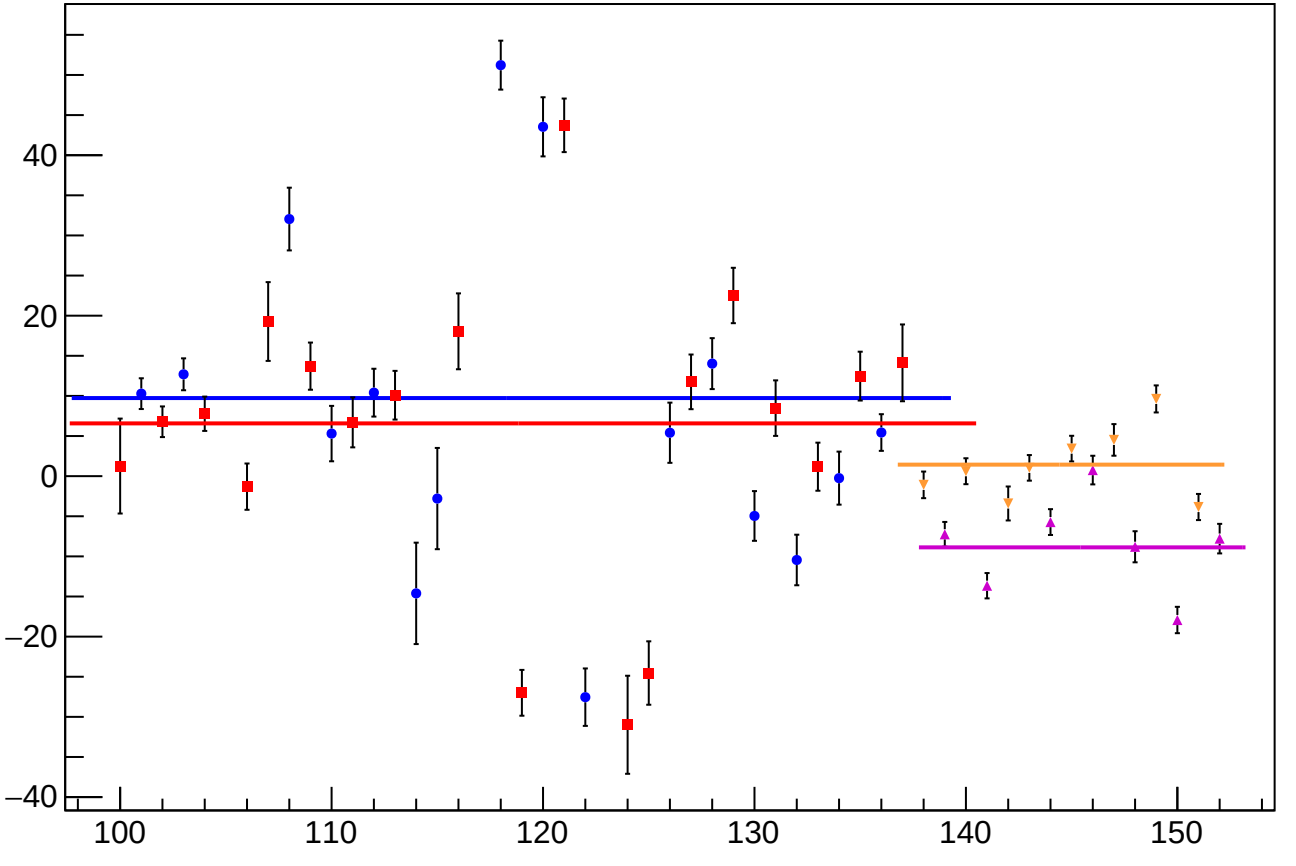
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6327.476+/-1.233 χ^2/NDF:259387.2/22

Out: 6196.240+/-1.192 χ^2/NDF:241766.4/26

All: 6259.609+/-0.857 χ^2/NDF: 507007.9/49

diff_bpm0l05Y_mean vs Slug, Sign Corrected



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: -8.875+/-0.638 χ^2/NDF:74.0/6

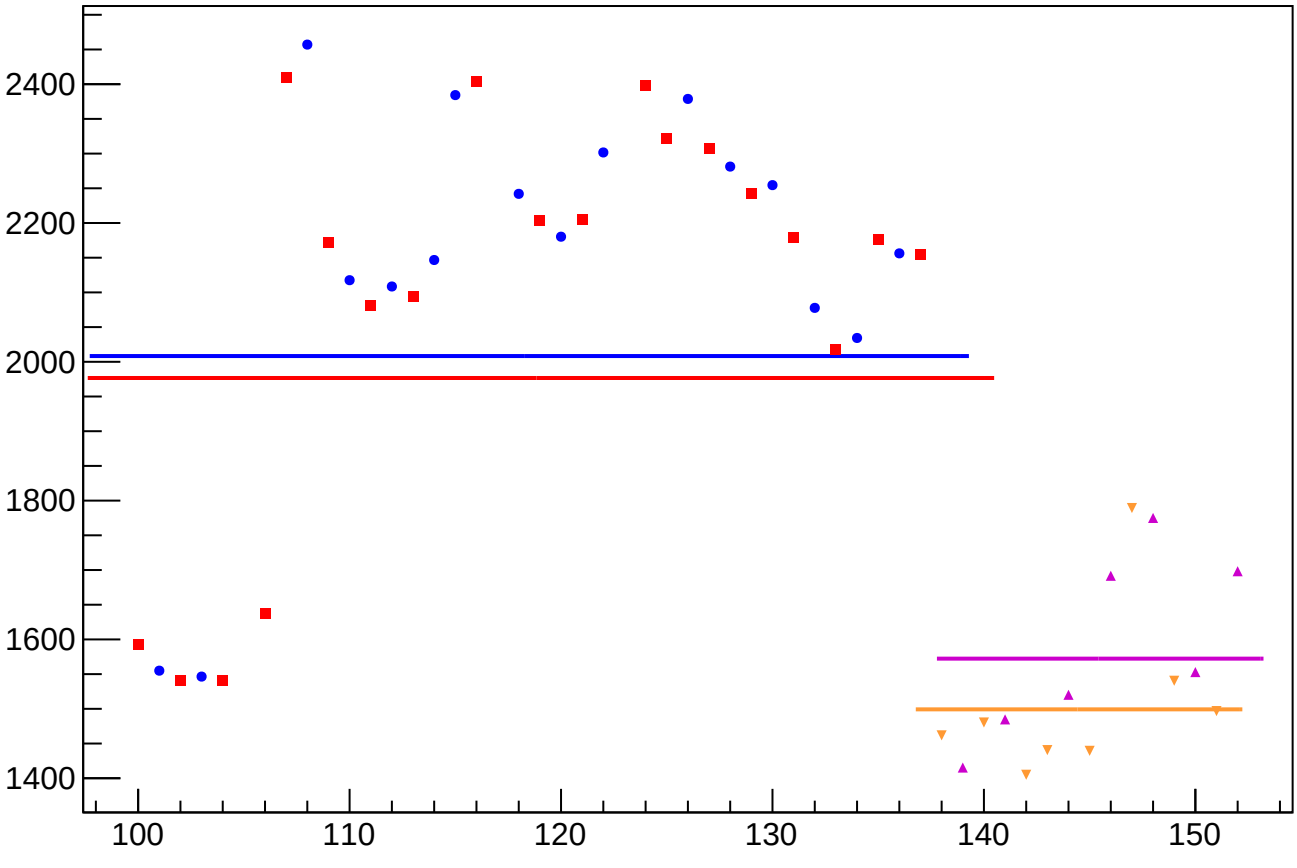
Left: -3.436+/-0.439 χ^2/NDF: 257.6/14

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.119+/-0.487 χ^2/NDF:940.7/22

Out: 3.523+/-0.465 χ^2/NDF:499.2/26

All: 1.309+/-0.337 χ^2/NDF: 1487.3/49



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: 1572.311+/-0.451 χ^2/NDF:69498.6/6

Left: 1533.764+/-0.310 χ^2/NDF: 138696.9/14

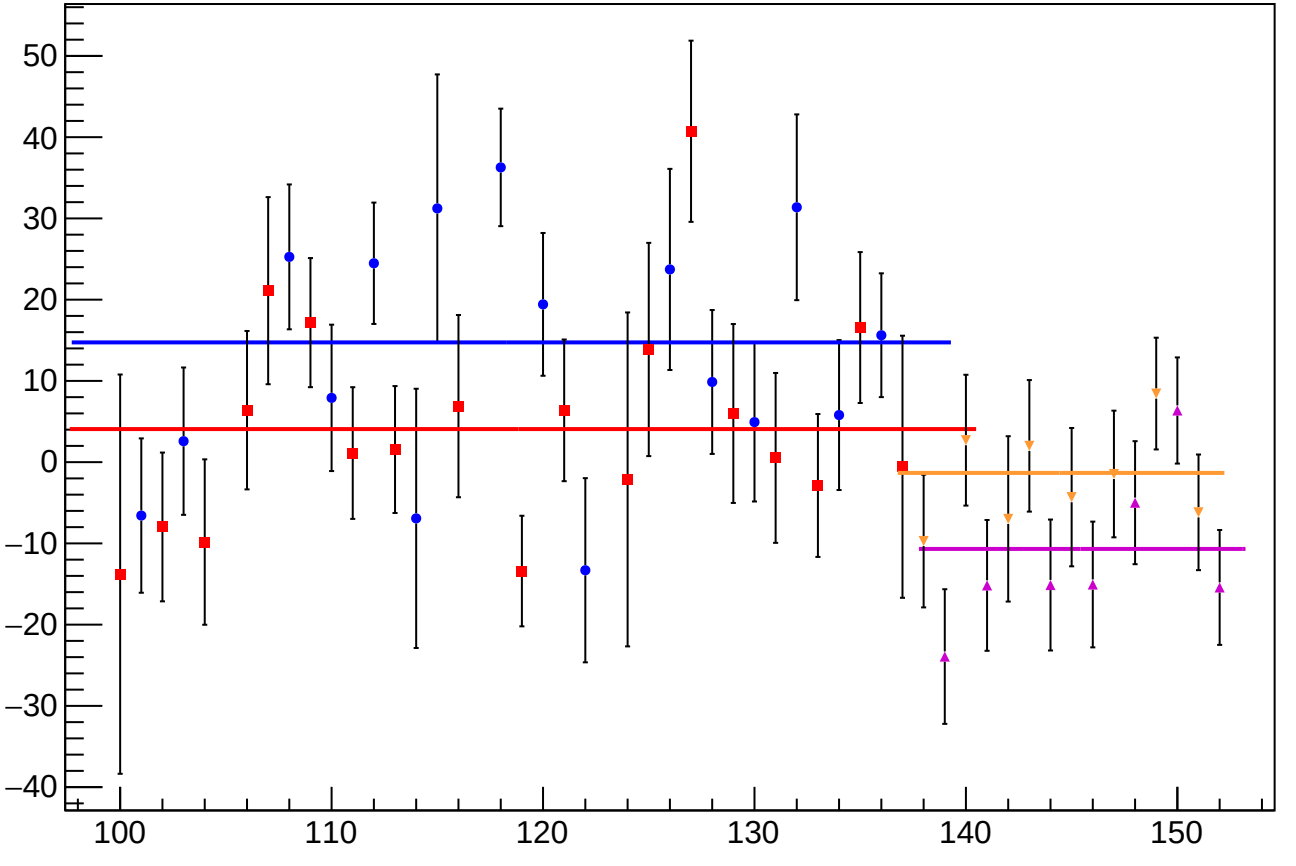
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1754.039+/-0.345 χ^2/NDF:802902.1/22

Out: 1693.165+/-0.329 χ^2/NDF:928295.8/26

All: 1722.201+/-0.238 χ^2/NDF: 1747515.3/49

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: -10.681+/-2.852 χ^2/NDF:11.3/6

Left: -5.937+/-2.002 χ^2/NDF: 21.2/14

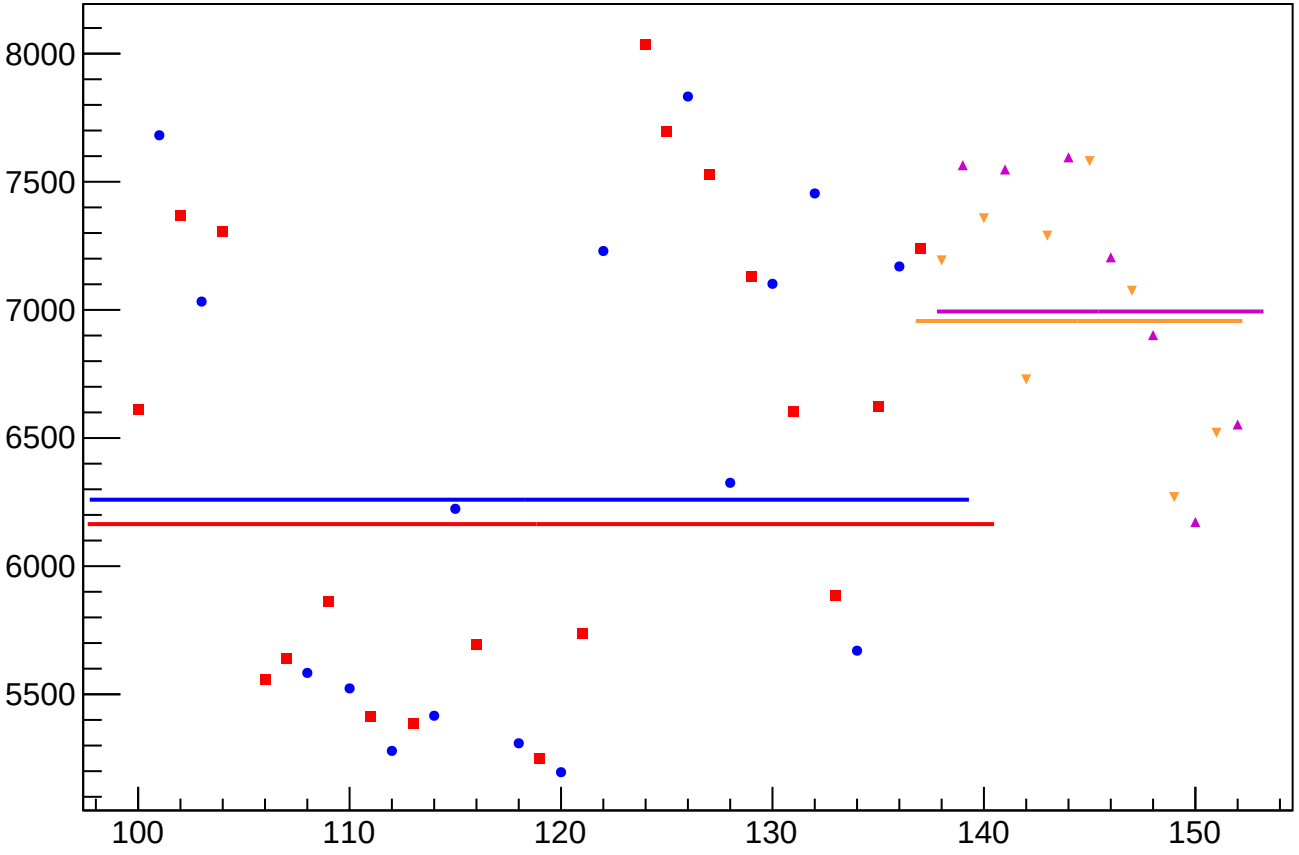
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 4.419+/-1.817 χ^2/NDF:92.0/22

Out: 1.939+/-1.768 χ^2/NDF:36.8/26

All: 3.145+/-1.267 χ^2/NDF: 129.8/49

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: 6993.770+/-2.017 χ^2/NDF:71292.1/6

Left: 6974.990+/-1.416 χ^2/NDF: 121164.8/14

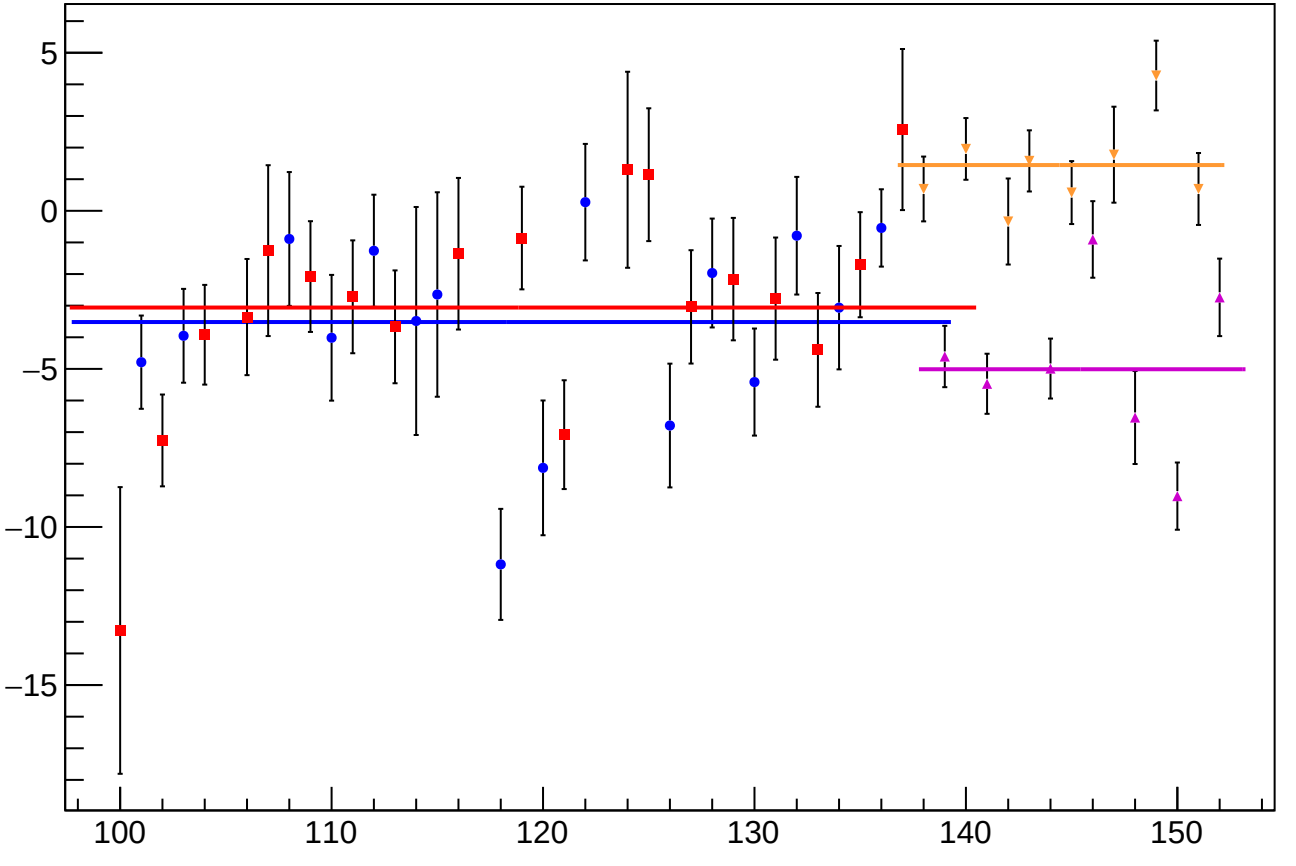
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6557.548+/-1.285 χ^2/NDF:458674.9/22

Out: 6477.476+/-1.250 χ^2/NDF:410833.7/26

All: 6516.418+/-0.896 χ^2/NDF: 871503.5/49

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: -5.011+/-0.409 χ^2/NDF:30.7/6

Left: -1.610+/-0.281 χ^2/NDF: 172.4/14

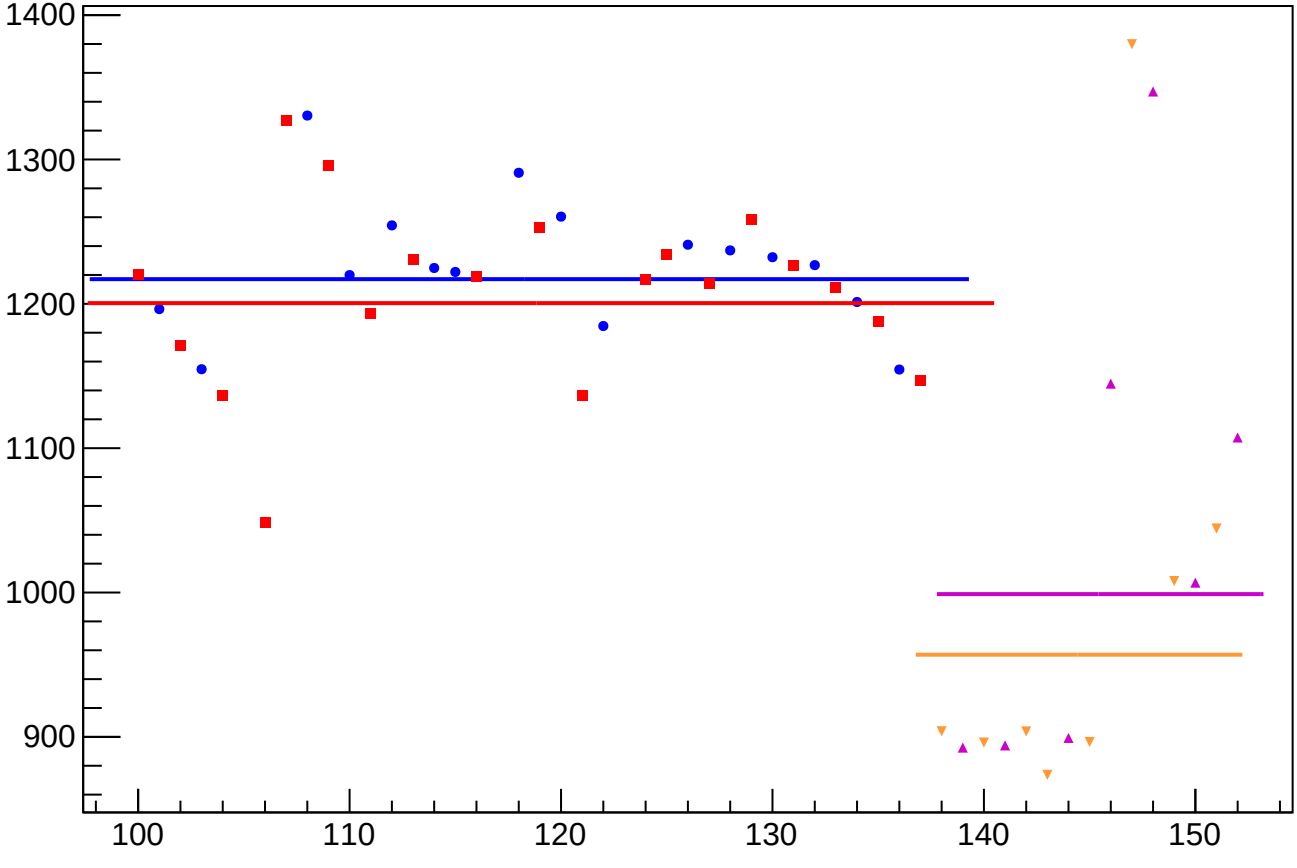
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -4.340+/-0.303 χ^2/NDF:81.8/22

Out: -0.531+/-0.290 χ^2/NDF:104.5/26

All: -2.352+/-0.210 χ^2/NDF: 268.5/49

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: 998.898+/-0.289 χ^2/NDF:227367.4/6

Left: 976.797+/-0.199 χ^2/NDF: 448180.5/14

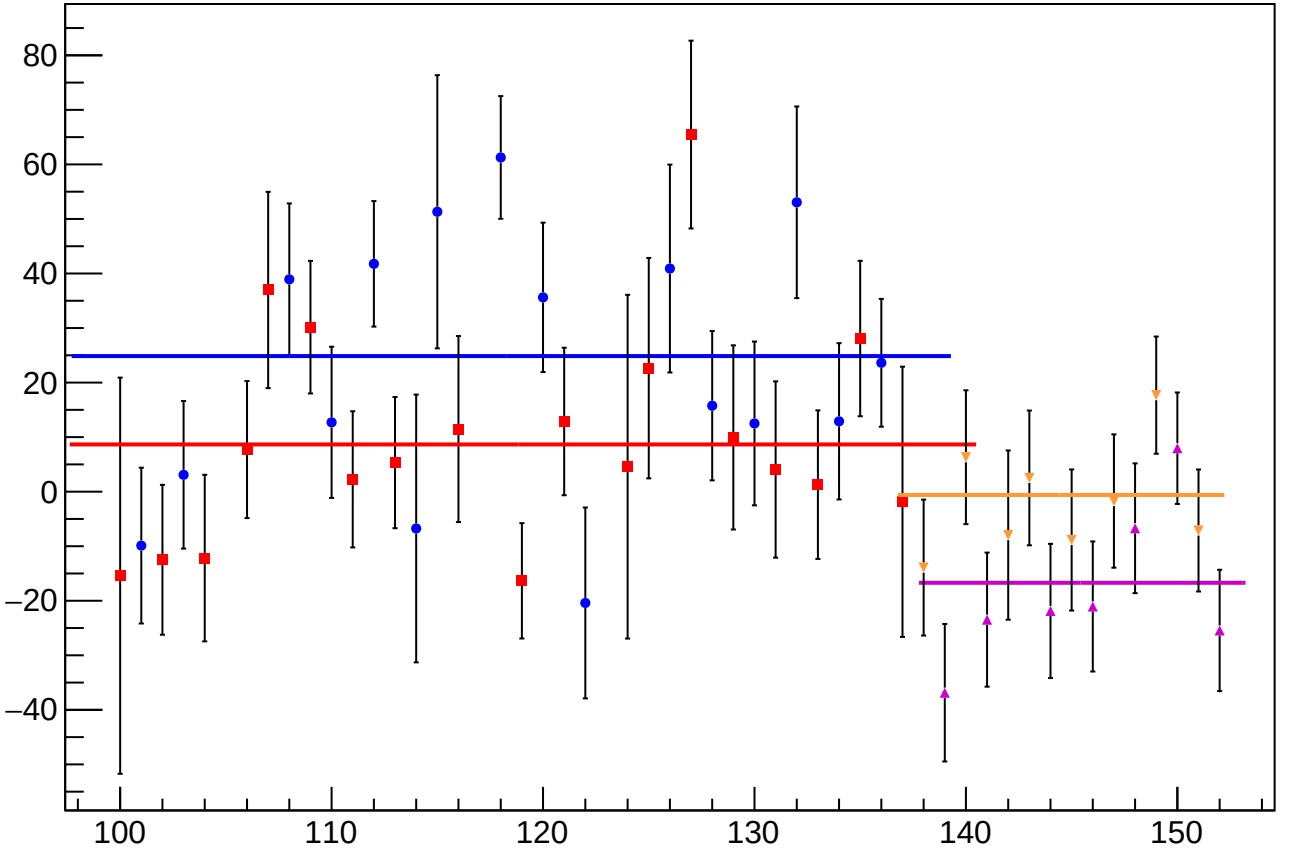
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1097.030+/-0.215 χ^2/NDF:505044.3/22

Out: 1063.869+/-0.205 χ^2/NDF:593766.9/26

All: 1079.727+/-0.148 χ^2/NDF: 1111278.4/49

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: -16.704+/-4.416 χ^2/NDF:10.3/6

Left: -8.512+/-3.095 χ^2/NDF: 22.5/14

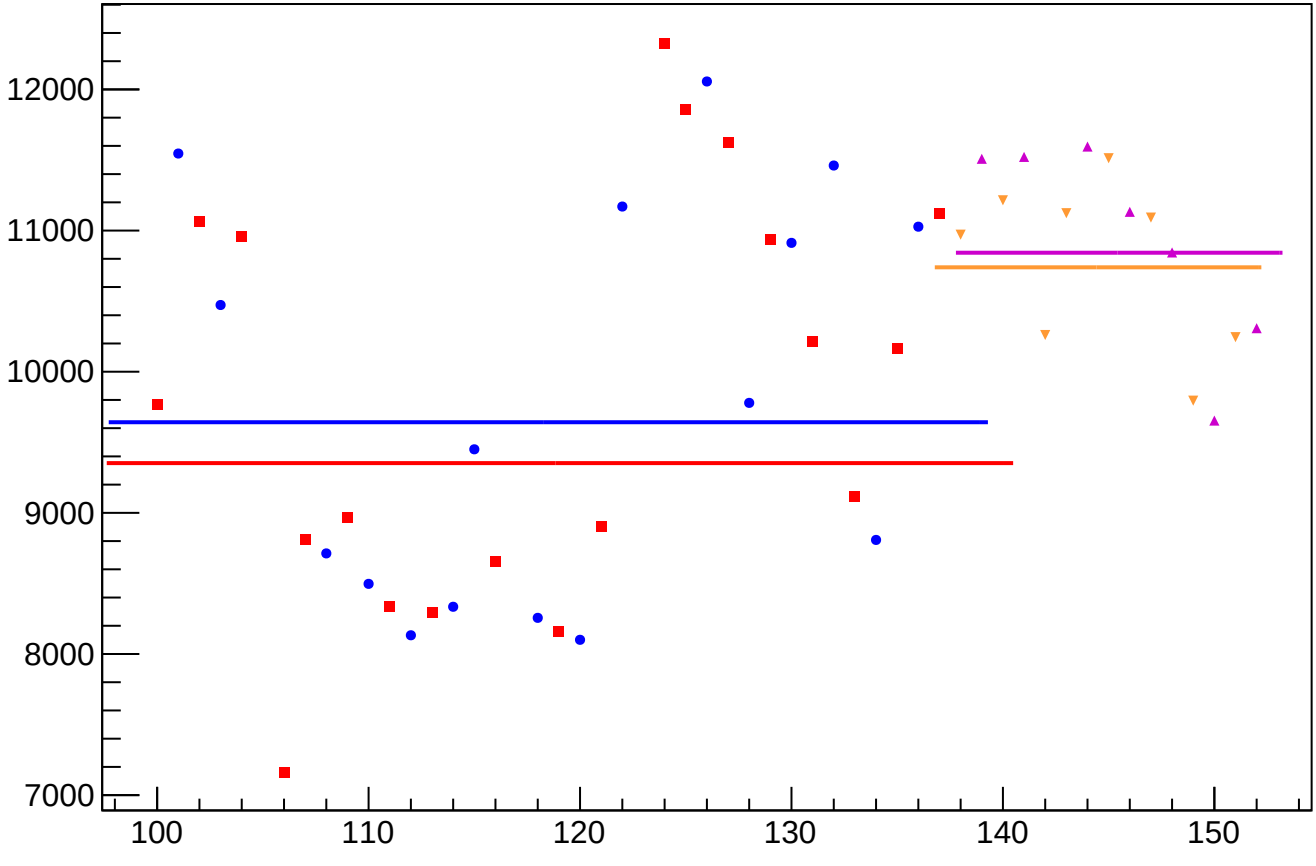
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 8.113+/-2.803 χ^2/NDF:101.3/22

Out: 5.065+/-2.702 χ^2/NDF:38.3/26

All: 6.533+/-1.945 χ^2/NDF: 140.3/49

diff_bpm0l07X_rms vs Slug, Sign Corrected



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: 10843.061+/-3.123 χ^2/NDF:52044.1/6

Left: 10790.430+/-2.188 χ^2/NDF: 88312.6/14

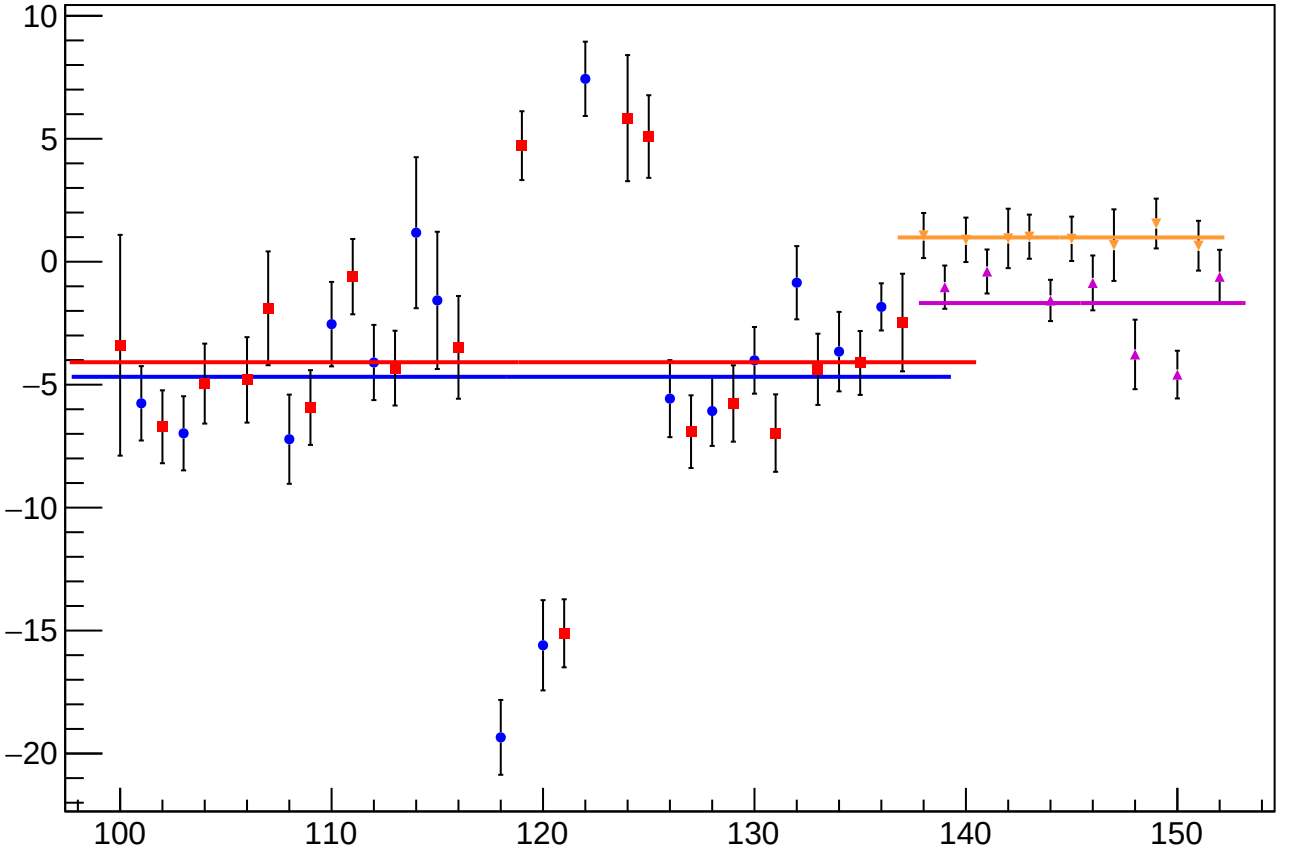
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 10125.992+/-1.982 χ^2/NDF:420012.4/22

Out: 9890.537+/-1.911 χ^2/NDF:462627.3/26

All: 10003.937+/-1.376 χ^2/NDF: 889953.5/49

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: -1.680+/-0.374 χ^2/NDF:15.3/6

Left: -0.274+/-0.257 χ^2/NDF: 42.6/14

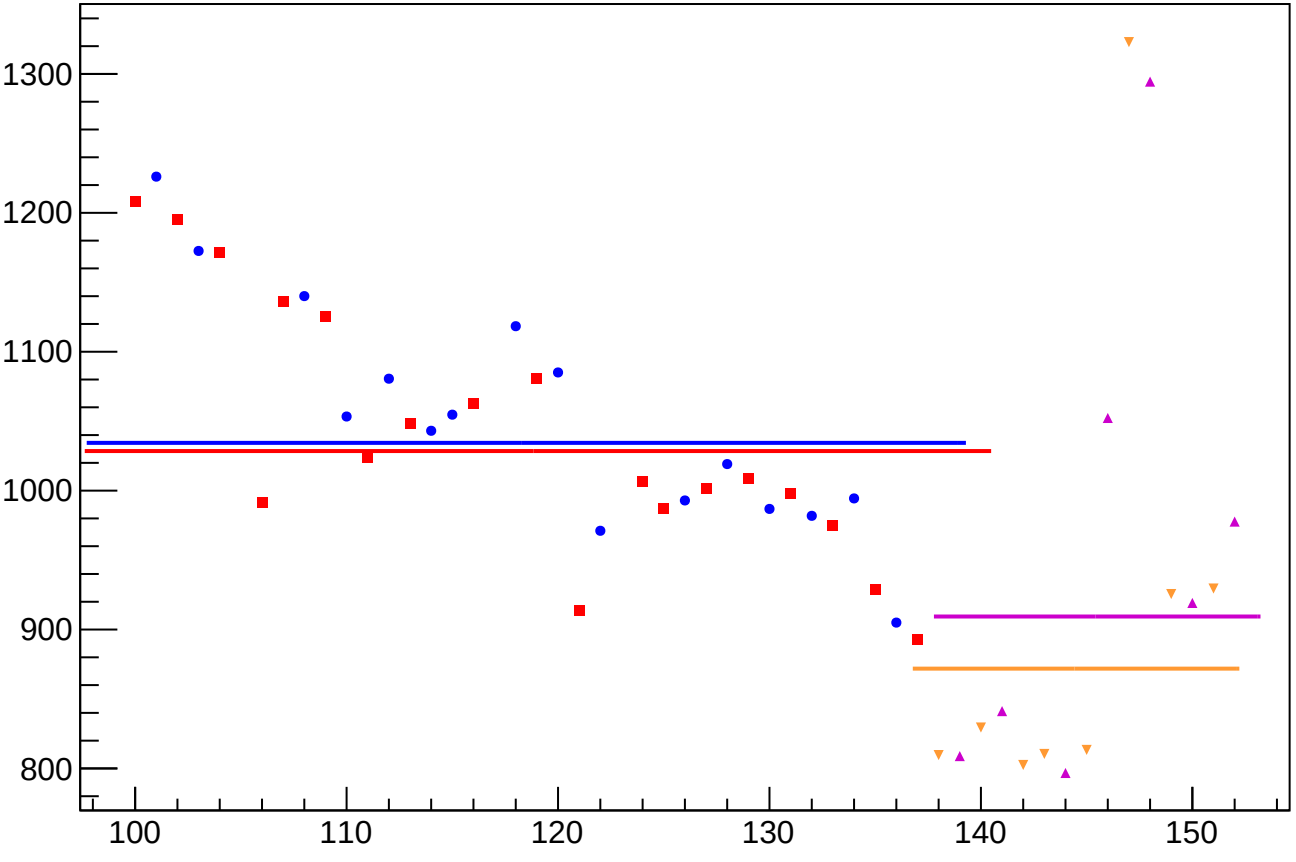
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -3.133+/-0.268 χ^2/NDF:267.7/22

Out: -1.393+/-0.258 χ^2/NDF:265.0/26

All: -2.228+/-0.186 χ^2/NDF: 554.5/49

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: 909.381+/-0.264 χ^2/NDF:263022.0/6

Left: 889.588+/-0.182 χ^2/NDF: 515892.7/14

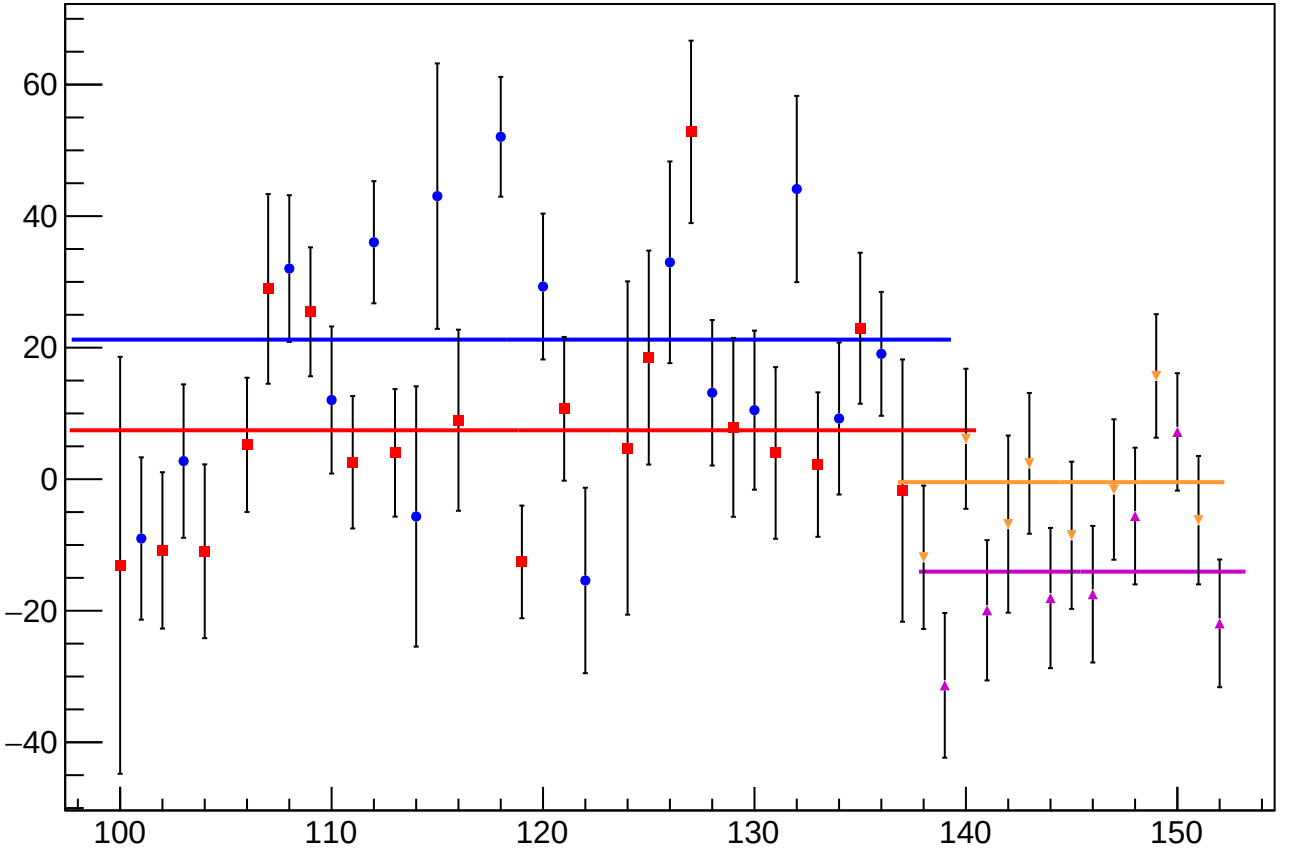
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 969.907+/-0.190 χ^2/NDF:484657.4/22

Out: 945.323+/-0.182 χ^2/NDF:527803.8/26

All: 957.117+/-0.131 χ^2/NDF: 1021189.5/49

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: -14.057+/-3.848 χ^2/NDF:10.0/6

Left: -7.128+/-2.696 χ^2/NDF: 22.0/14

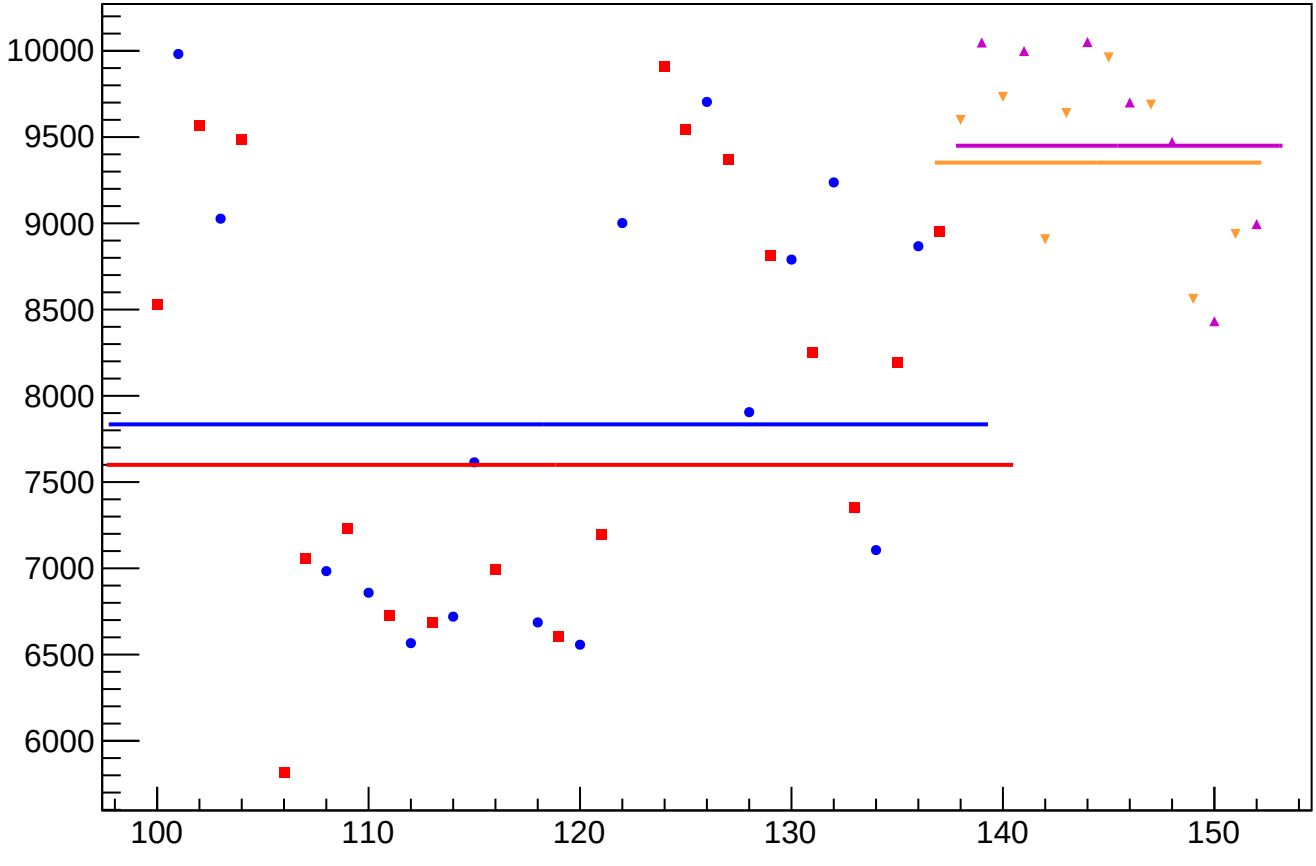
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 8.152+/-2.342 χ^2/NDF:103.0/22

Out: 4.626+/-2.255 χ^2/NDF:38.2/26

All: 6.322+/-1.624 χ^2/NDF: 142.4/49

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: 9450.040+/-2.721 χ^2/NDF:49114.7/6

Left: 9400.159+/-1.906 χ^2/NDF: 82649.5/14

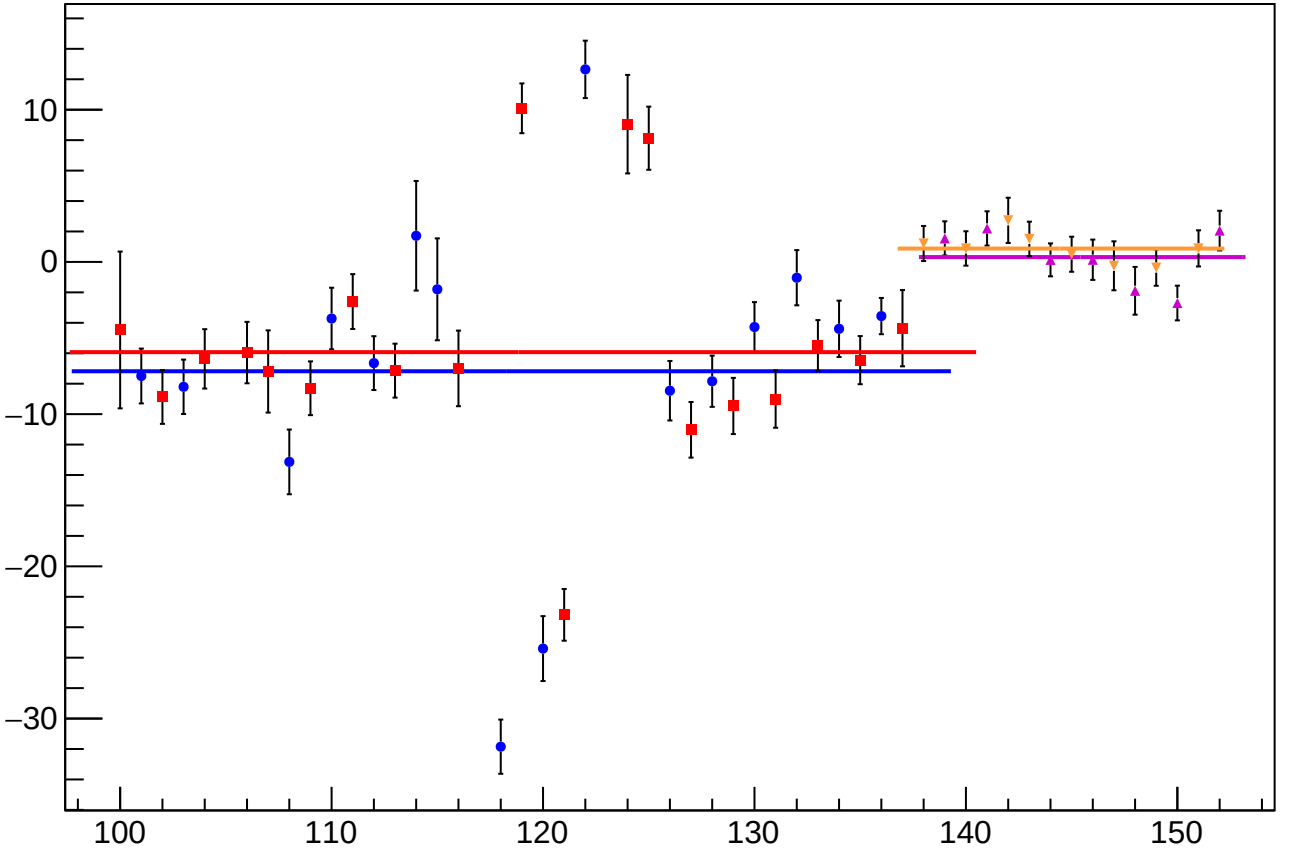
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8433.100+/-1.656 χ^2/NDF:589123.1/22

Out: 8224.066+/-1.594 χ^2/NDF:654213.6/26

All: 8324.617+/-1.149 χ^2/NDF: 1251605.2/49

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: 0.319+/-0.458 χ^2/NDF:14.8/6

Left: 0.614+/-0.315 χ^2/NDF: 19.3/14

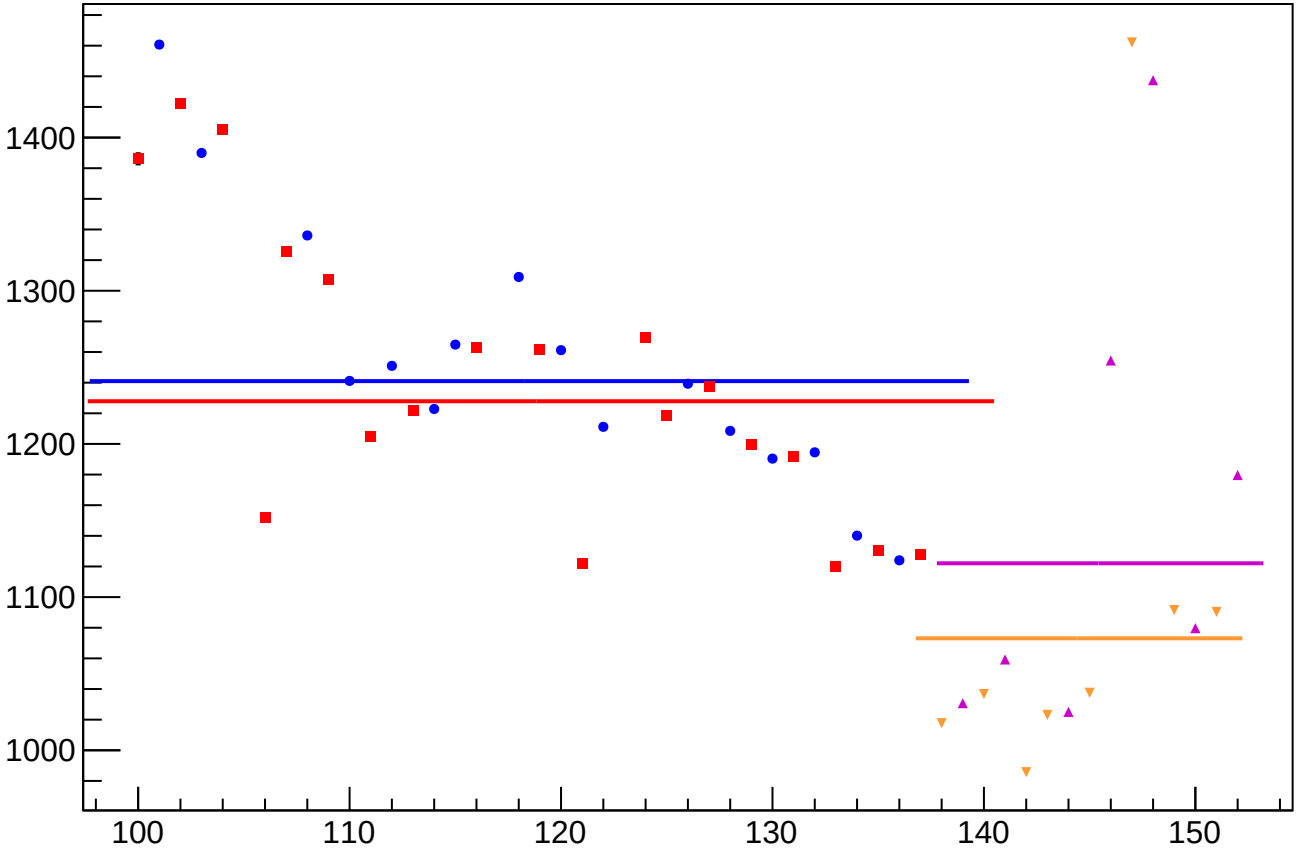
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -3.395+/-0.325 χ^2/NDF:570.0/22

Out: -2.404+/-0.312 χ^2/NDF:412.9/26

All: -2.879+/-0.225 χ^2/NDF: 987.7/49

diff_bpm0l08Y_rms vs Slug, Sign Corrected



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: 1122.072+/-0.324 χ^2/NDF:143059.2/6

Left: 1096.259+/-0.223 χ^2/NDF: 292488.2/14

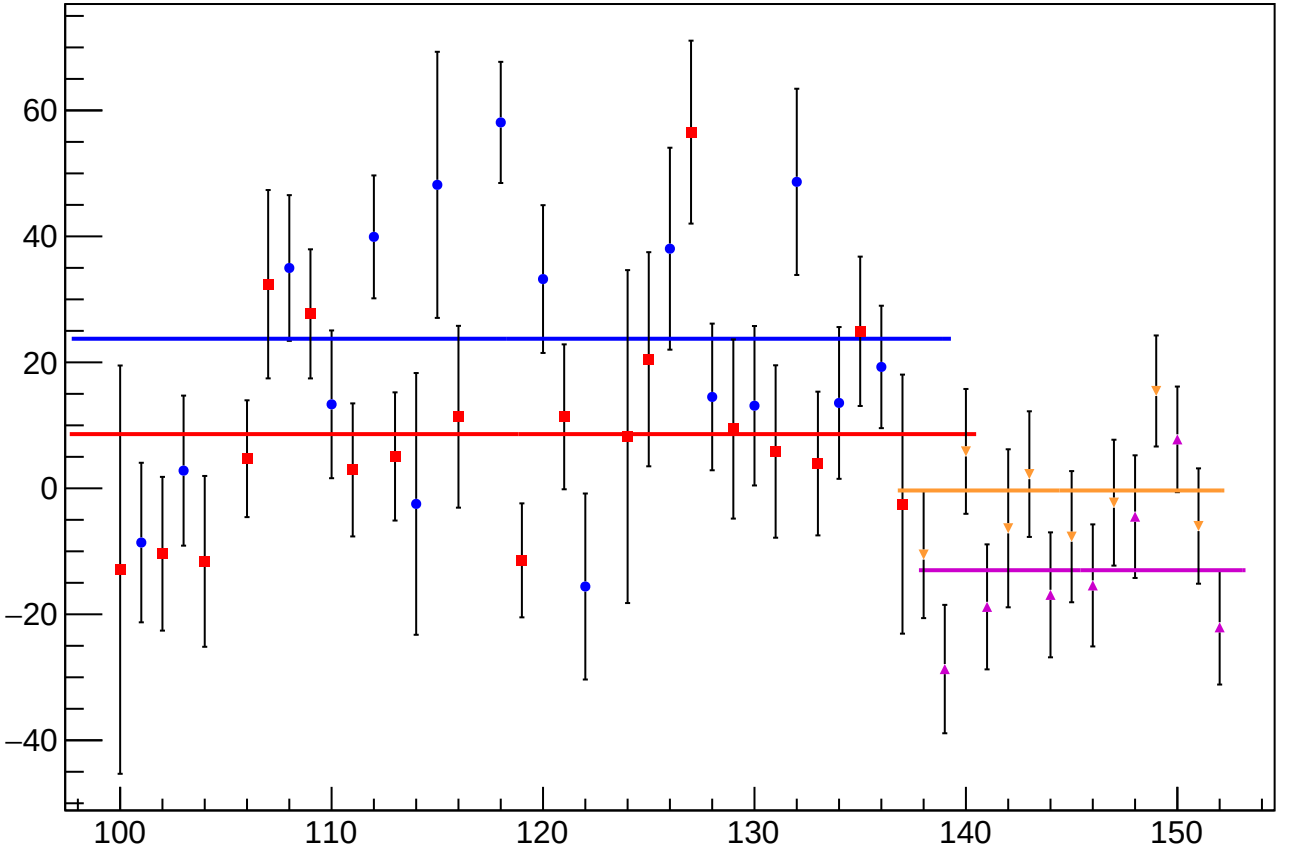
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1180.951+/-0.230 χ^2/NDF:290545.8/22

Out: 1147.751+/-0.221 χ^2/NDF:342615.6/26

All: 1163.656+/-0.159 χ^2/NDF: 644013.9/49

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: -12.999+/-3.593 χ^2/NDF:10.8/6

Left: -6.550+/-2.516 χ^2/NDF: 23.0/14

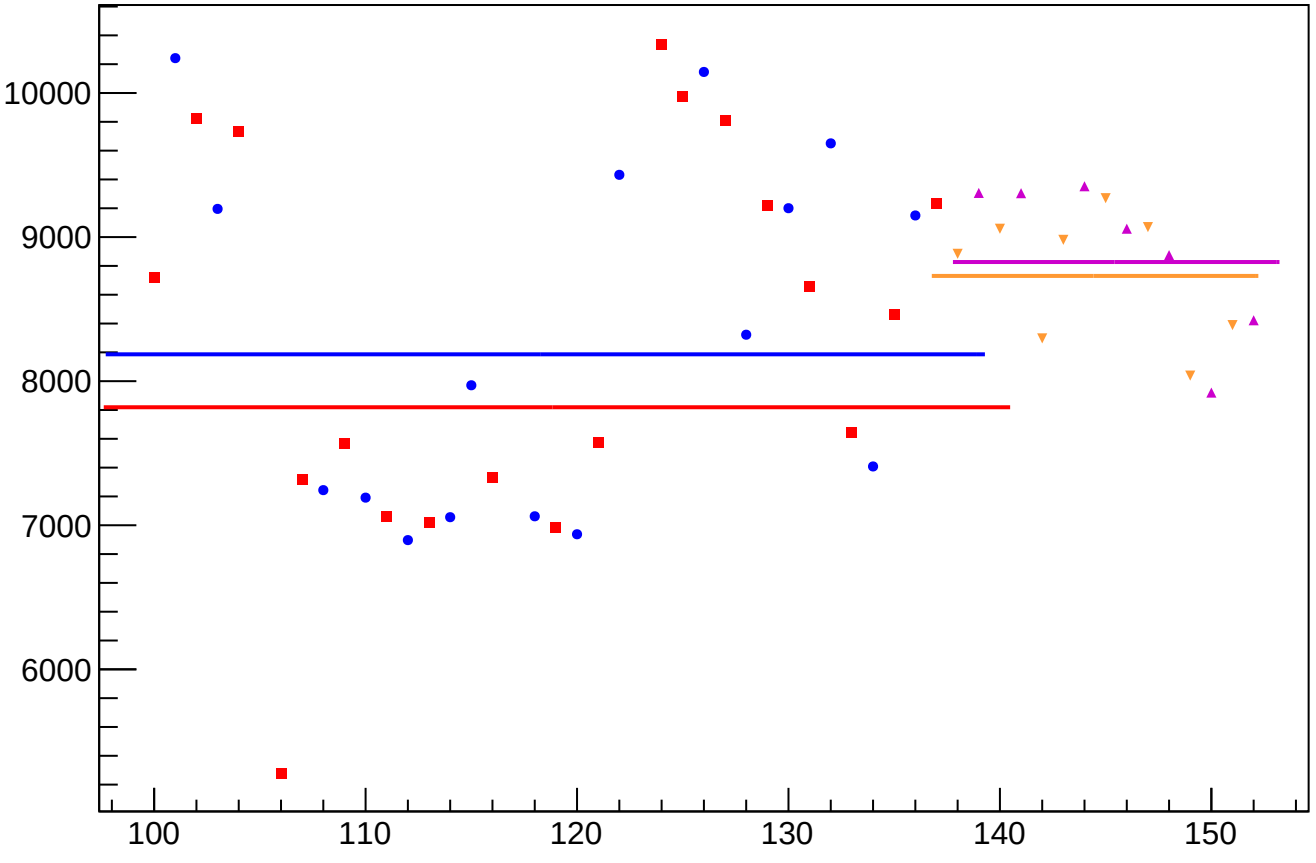
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 8.174+/-2.339 χ^2/NDF:114.5/22

Out: 4.999+/-2.239 χ^2/NDF:40.1/26

All: 6.517+/-1.617 χ^2/NDF: 155.6/49

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8730.480+/-2.493 χ^2/NDF:29057.3/7

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8826.953+/-2.540 χ^2/NDF:43193.3/6

Left: 8777.808+/-1.779 χ^2/NDF: 72985.3/14

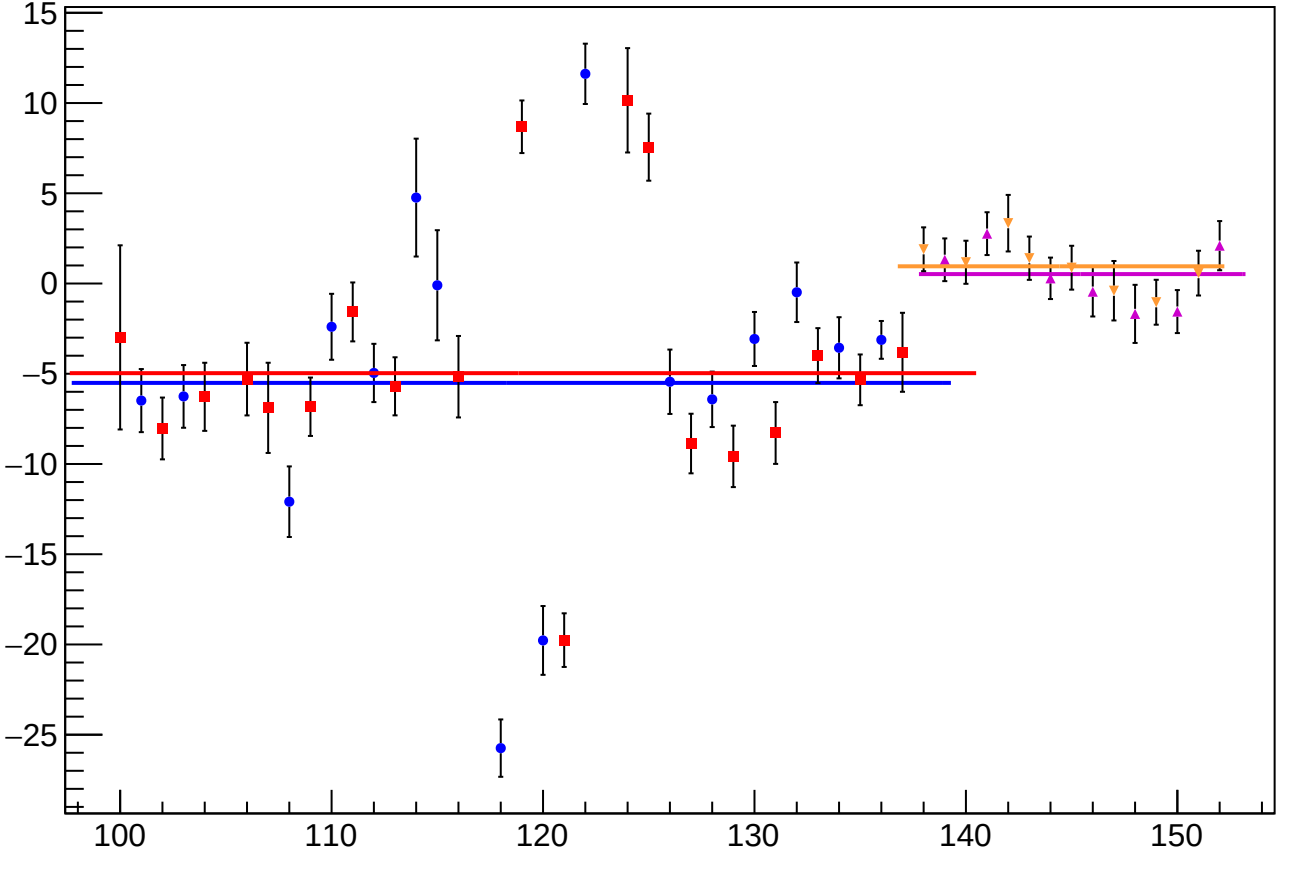
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8457.868+/-1.654 χ^2/NDF:370457.1/22

Out: 8186.661+/-1.583 χ^2/NDF:531815.3/26

All: 8316.359+/-1.144 χ^2/NDF: 916303.0/49

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: 0.522+/-0.480 χ^2/NDF:10.8/6

Left: 0.749+/-0.330 χ^2/NDF: 17.7/14

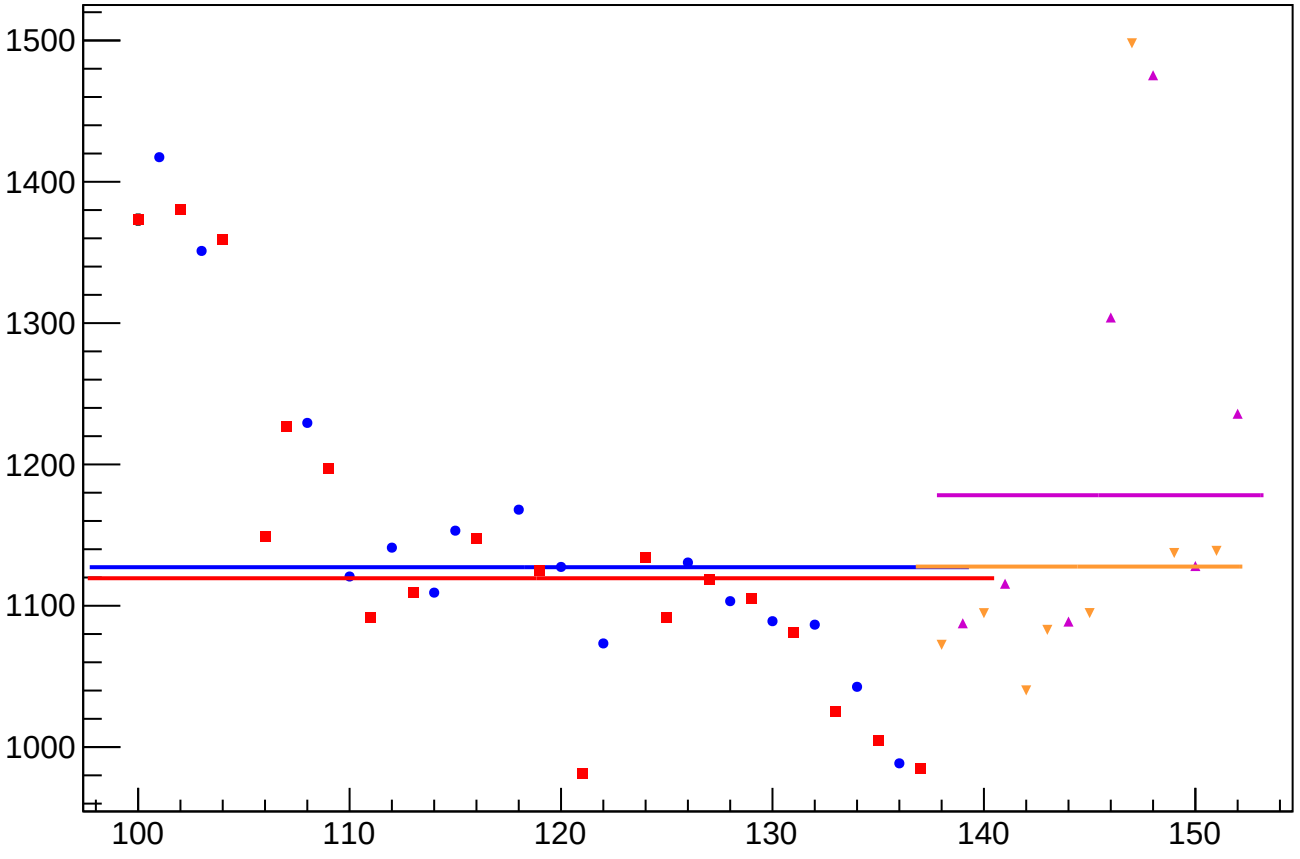
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -2.886+/-0.316 χ^2/NDF:469.8/22

Out: -2.313+/-0.305 χ^2/NDF:387.1/26

All: -2.589+/-0.220 χ^2/NDF: 858.5/49

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: 1178.214+/-0.339 χ^2/NDF:121404.0/6

Left: 1151.637+/-0.234 χ^2/NDF: 250549.5/14

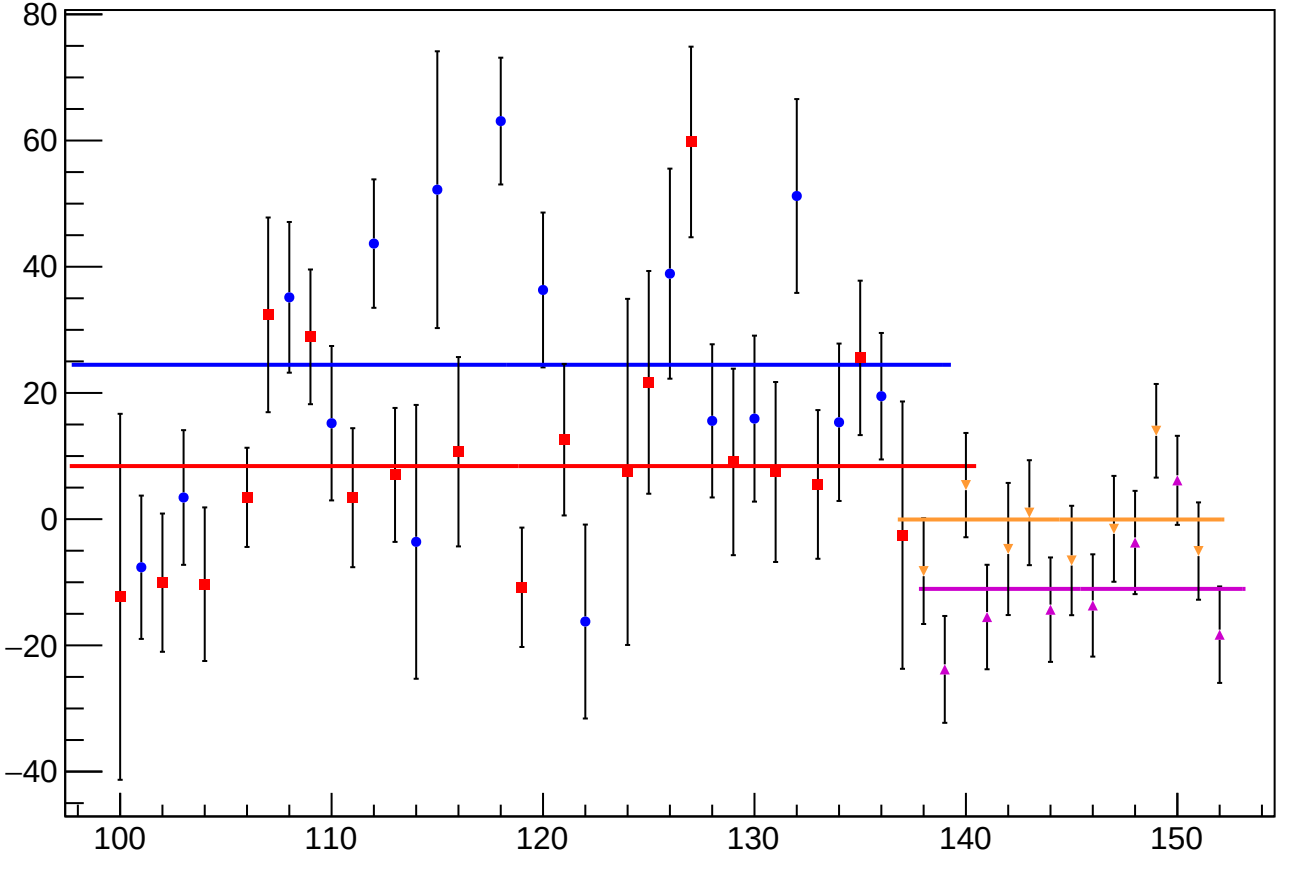
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1149.425+/-0.224 χ^2/NDF:274746.9/22

Out: 1123.173+/-0.216 χ^2/NDF:258596.2/26

All: 1135.807+/-0.155 χ^2/NDF: 540482.8/49

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: -11.050+/-3.008 χ^2/NDF:10.5/6

Left: -5.443+/-2.106 χ^2/NDF: 23.5/14

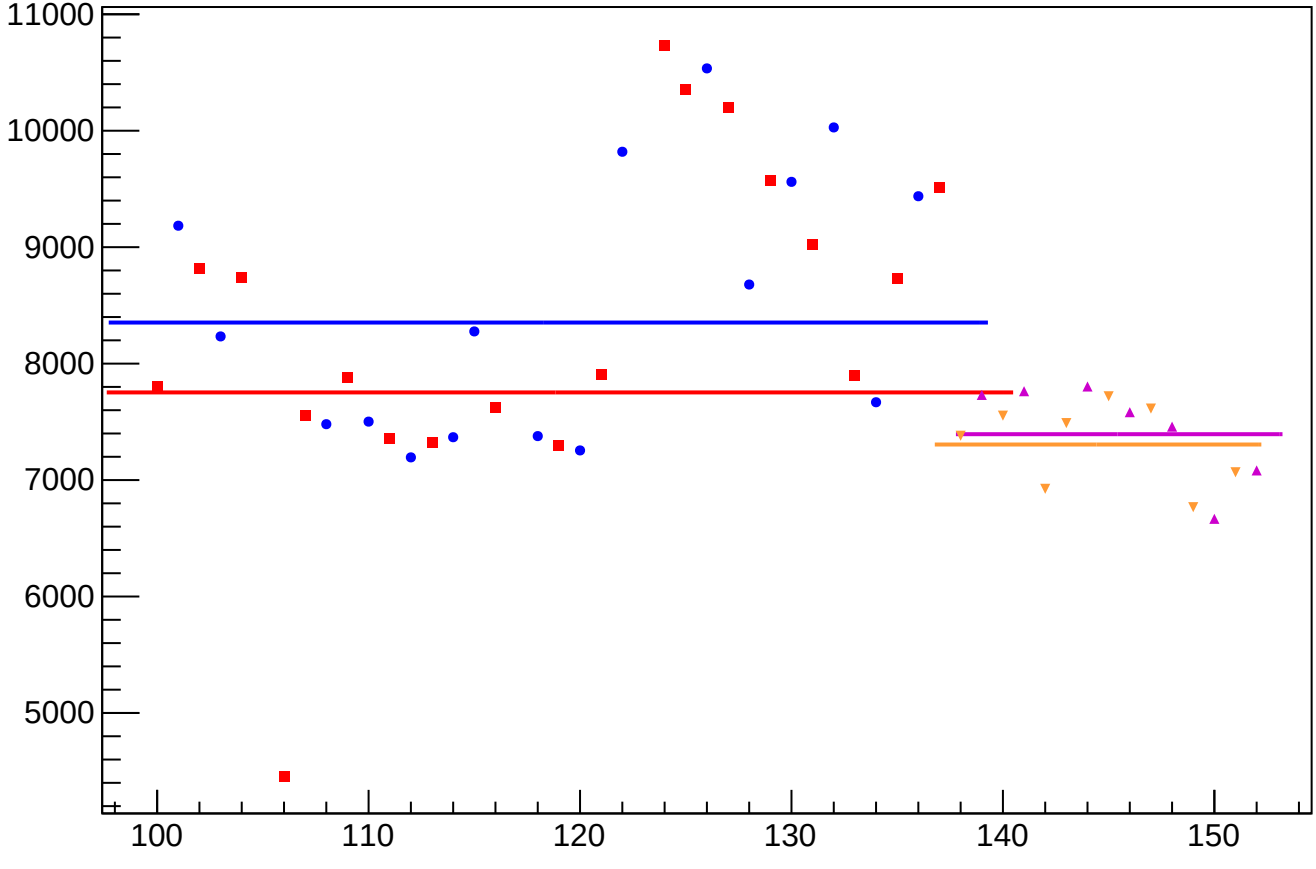
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 5.968+/-2.171 χ^2/NDF:125.6/22

Out: 4.264+/-2.065 χ^2/NDF:41.5/26

All: 5.073+/-1.496 χ^2/NDF: 167.4/49

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: 7394.015+/-2.127 χ^2/NDF:37783.2/6

Left: 7348.800+/-1.489 χ^2/NDF: 63953.4/14

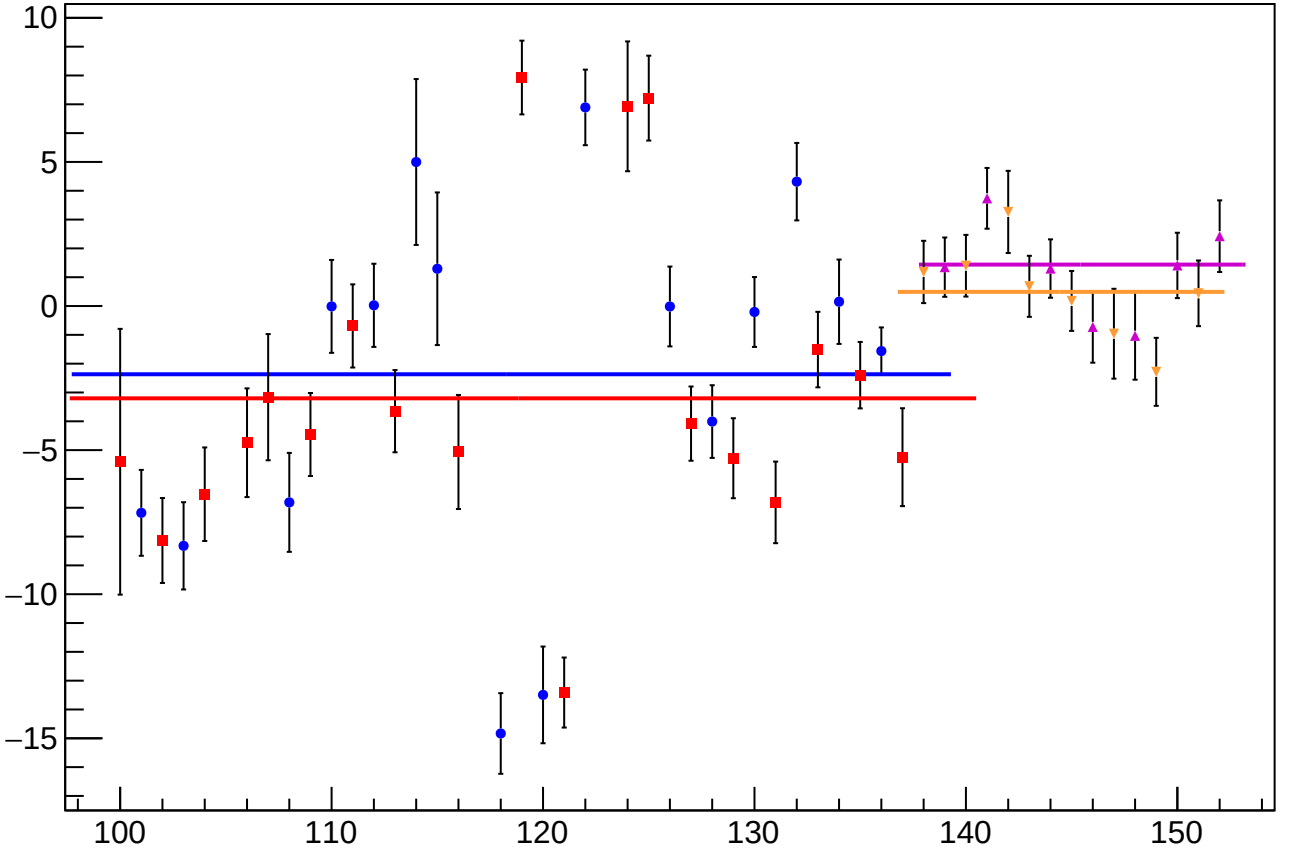
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7853.461+/-1.535 χ^2/NDF:355537.6/22

Out: 7533.484+/-1.460 χ^2/NDF:636820.2/26

All: 7685.436+/-1.058 χ^2/NDF: 1015171.6/49

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: 1.438+/-0.433 χ^2/NDF:11.1/6

Left: 0.939+/-0.298 χ^2/NDF: 25.0/14

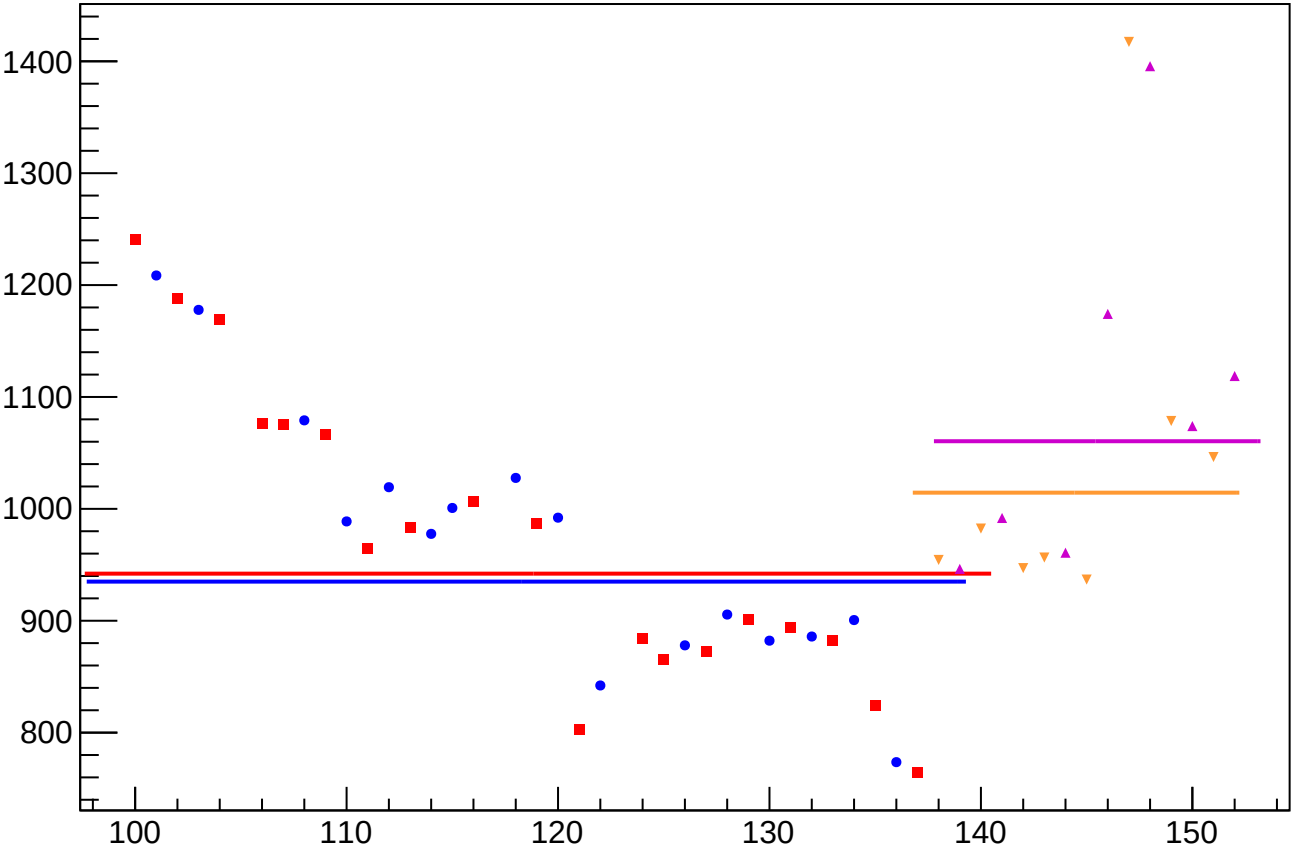
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.863+/-0.273 χ^2/NDF:313.3/22

Out: -1.666+/-0.265 χ^2/NDF:309.3/26

All: -1.276+/-0.190 χ^2/NDF: 627.0/49

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: 1060.443+/-0.306 χ^2/NDF:170725.4/6

Left: 1036.205+/-0.211 χ^2/NDF: 353191.0/14

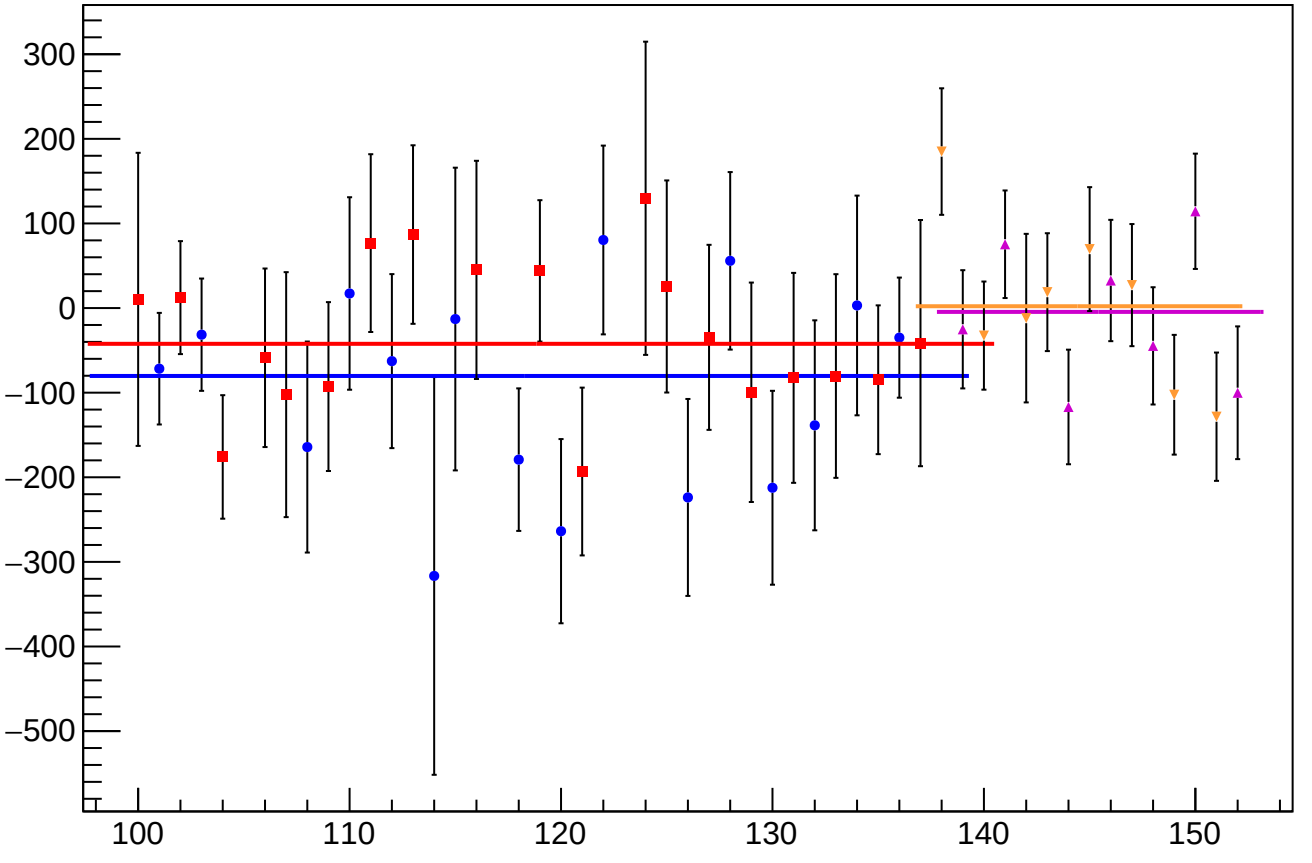
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 984.575+/-0.193 χ^2/NDF:526431.1/22

Out: 972.209+/-0.187 χ^2/NDF:439395.6/26

All: 978.212+/-0.134 χ^2/NDF: 967945.5/49

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: -4.531+/-26.252 χ^2/NDF:9.6/6

Left: -1.154+/-18.463 χ^2/NDF: 22.1/14

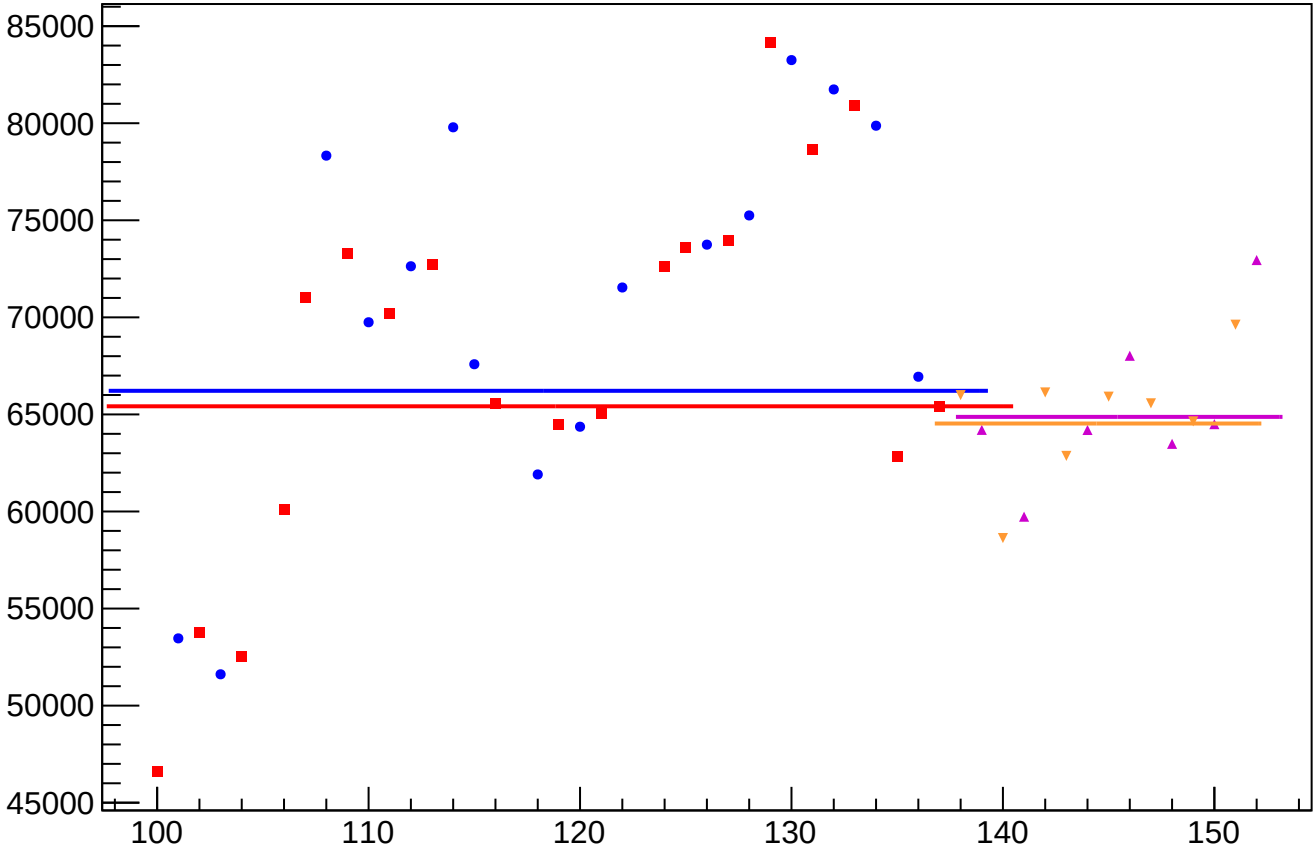
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -44.377+/-18.070 χ^2/NDF:28.7/22

Out: -21.673+/-17.683 χ^2/NDF:27.0/26

All: -32.780+/-12.638 χ^2/NDF: 56.6/49

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: 64873.556+/-18.563 χ^2/NDF:39394.7/6

Left: 64700.480+/-13.055 χ^2/NDF: 69186.9/14

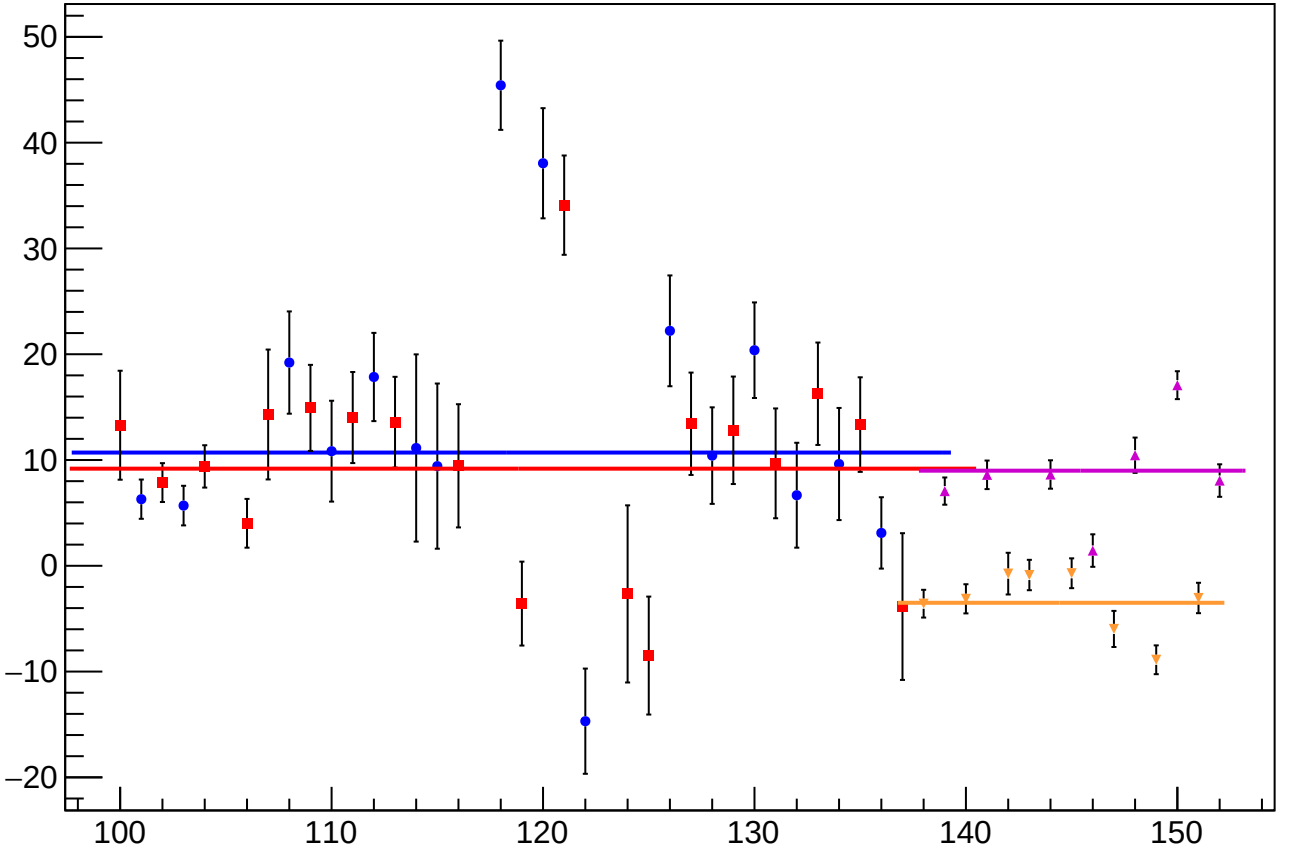
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 65580.065+/-12.777 χ^2/NDF:380524.9/22

Out: 65007.102+/-12.504 χ^2/NDF:335428.8/26

All: 65287.388+/-8.937 χ^2/NDF: 716980.9/49

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: 8.991+/-0.535 χ^2/NDF:65.2/6

Left: 2.547+/-0.372 χ^2/NDF: 373.1/14

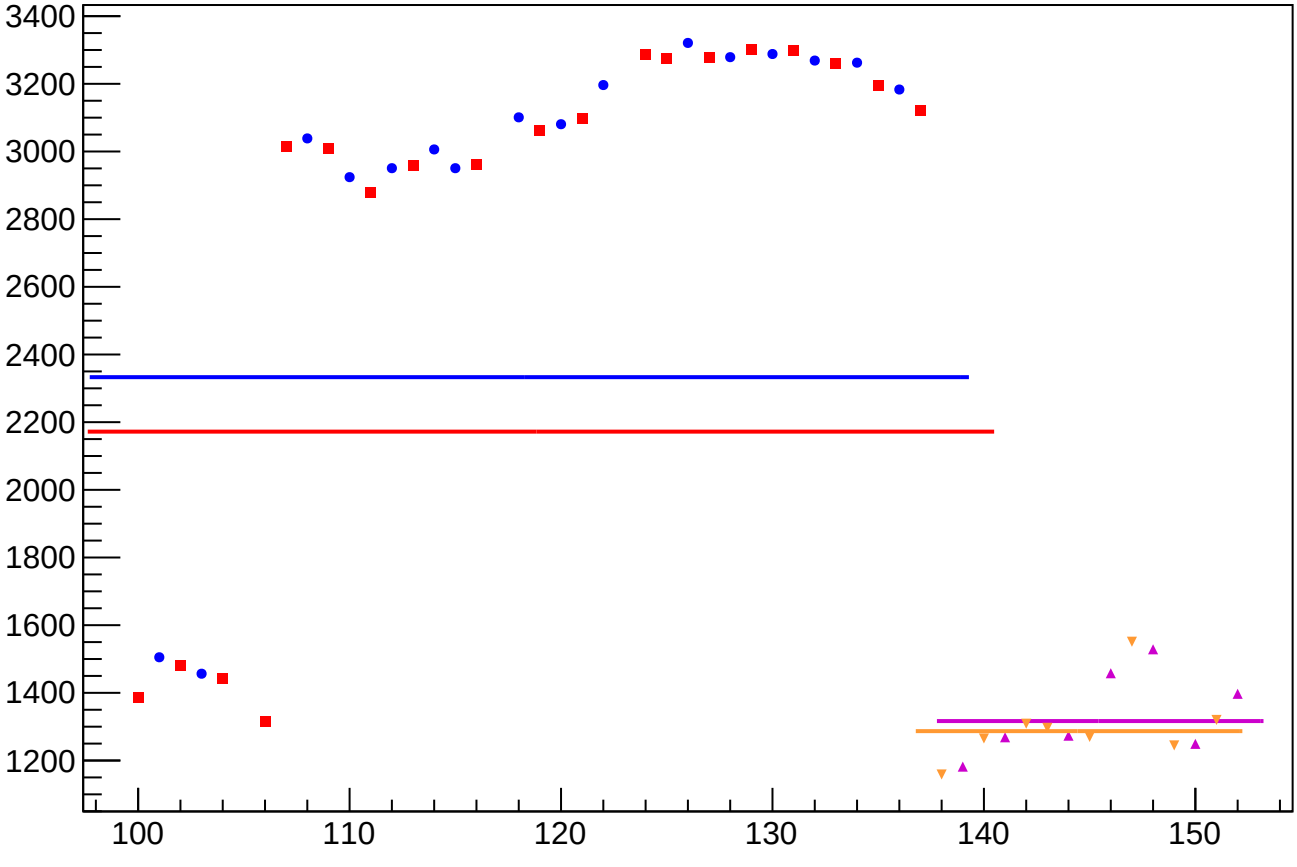
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 9.424+/-0.463 χ^2/NDF:223.4/22

Out: -0.060+/-0.443 χ^2/NDF:258.9/26

All: 4.471+/-0.320 χ^2/NDF: 701.5/49

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: 1316.597+/-0.379 χ^2/NDF:86444.5/6

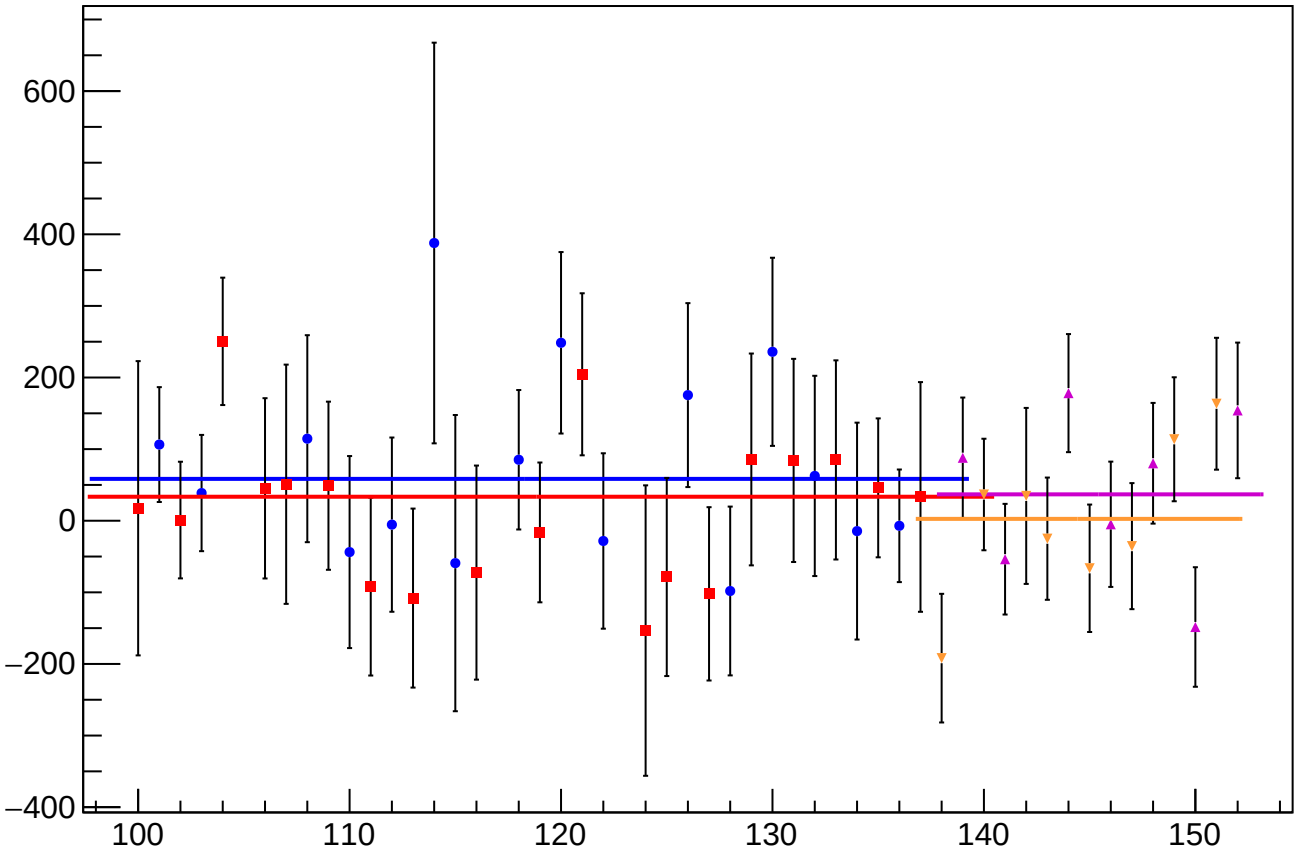
Left: 1301.238+/-0.263 χ^2/NDF: 160785.2/14

Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1573.517+/-0.327 χ^2/NDF:3559817.0/22

Out: 1526.857+/-0.313 χ^2/NDF:3635813.0/26

All: 1549.150+/-0.226 χ^2/NDF: 7206246.2/49



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: 36.839+/-31.904 χ^2/NDF:11.6/6

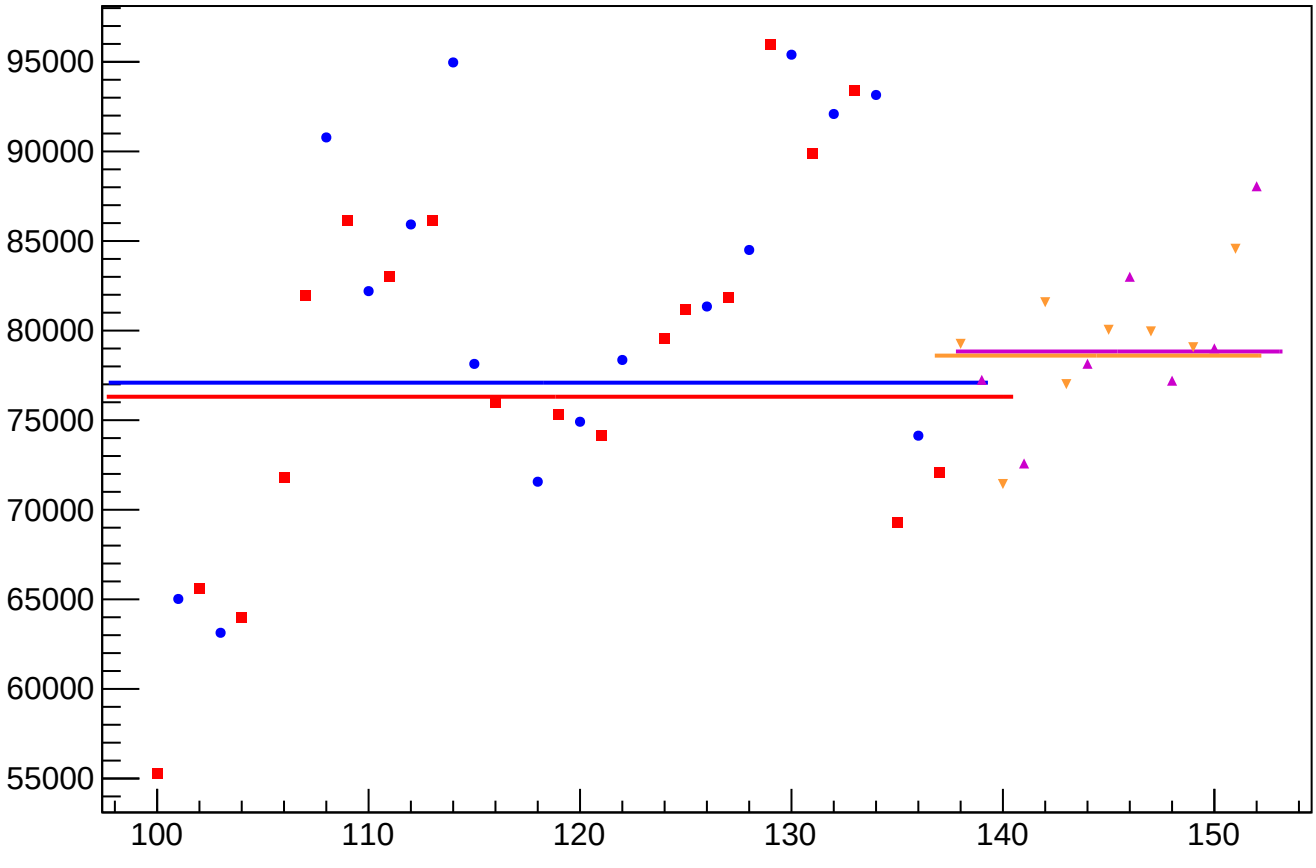
Left: 19.574+/-22.465 χ^2/NDF: 22.8/14

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 48.701+/-21.426 χ^2/NDF:23.2/22

Out: 19.881+/-21.012 χ^2/NDF:25.7/26

All: 34.009+/-15.002 χ^2/NDF: 49.9/49



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: 78832.882+/-22.560 χ^2/NDF:38200.8/6

Left: 78717.307+/-15.885 χ^2/NDF: 66609.7/14

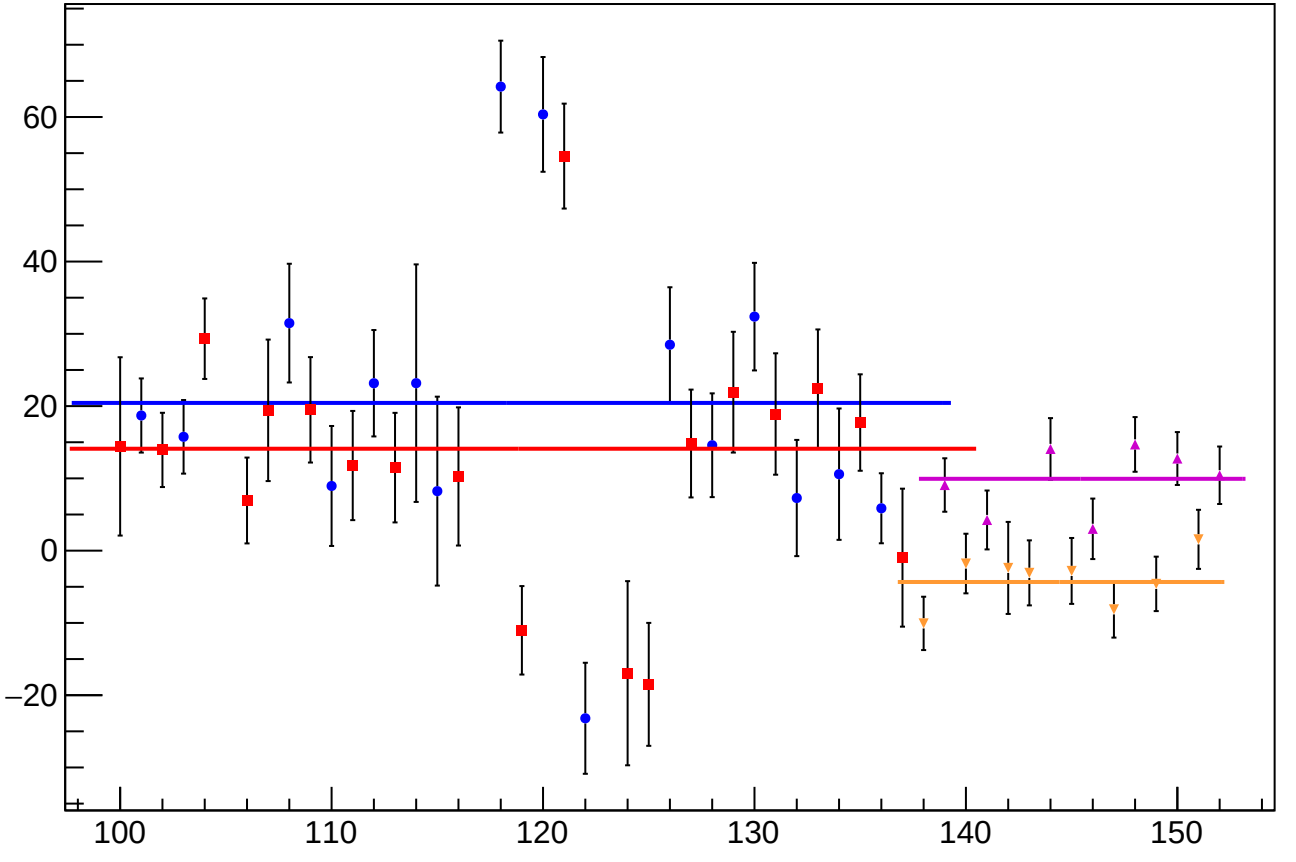
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 77877.772+/-15.151 χ^2/NDF:290008.5/22

Out: 77320.991+/-14.858 χ^2/NDF:268671.9/26

All: 77593.945+/-10.608 χ^2/NDF: 559368.8/4

diff_bpm0r05Y_mean vs Slug, Sign Corrected



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: 9.940+/-1.485 χ^2/NDF:7.9/6

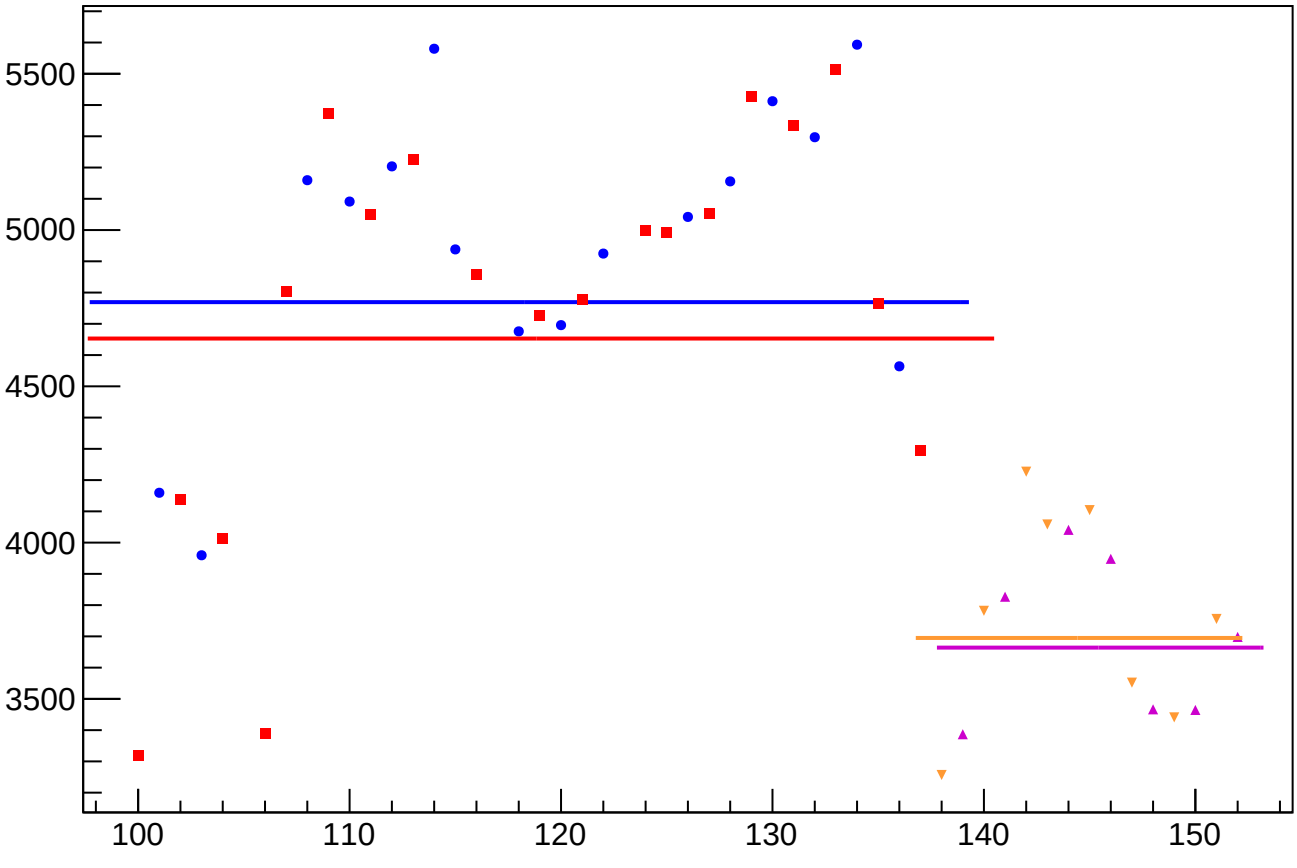
Left: 2.826+/-1.052 χ^2/NDF: 60.0/14

Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 14.246+/-1.141 χ^2/NDF:156.2/22

Out: 3.605+/-1.125 χ^2/NDF:155.8/26

All: 8.848+/-0.801 χ^2/NDF: 356.1/49



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: 3664.026+/-1.050 χ^2/NDF:50795.0/6

Left: 3679.436+/-0.744 χ^2/NDF: 135641.6/14

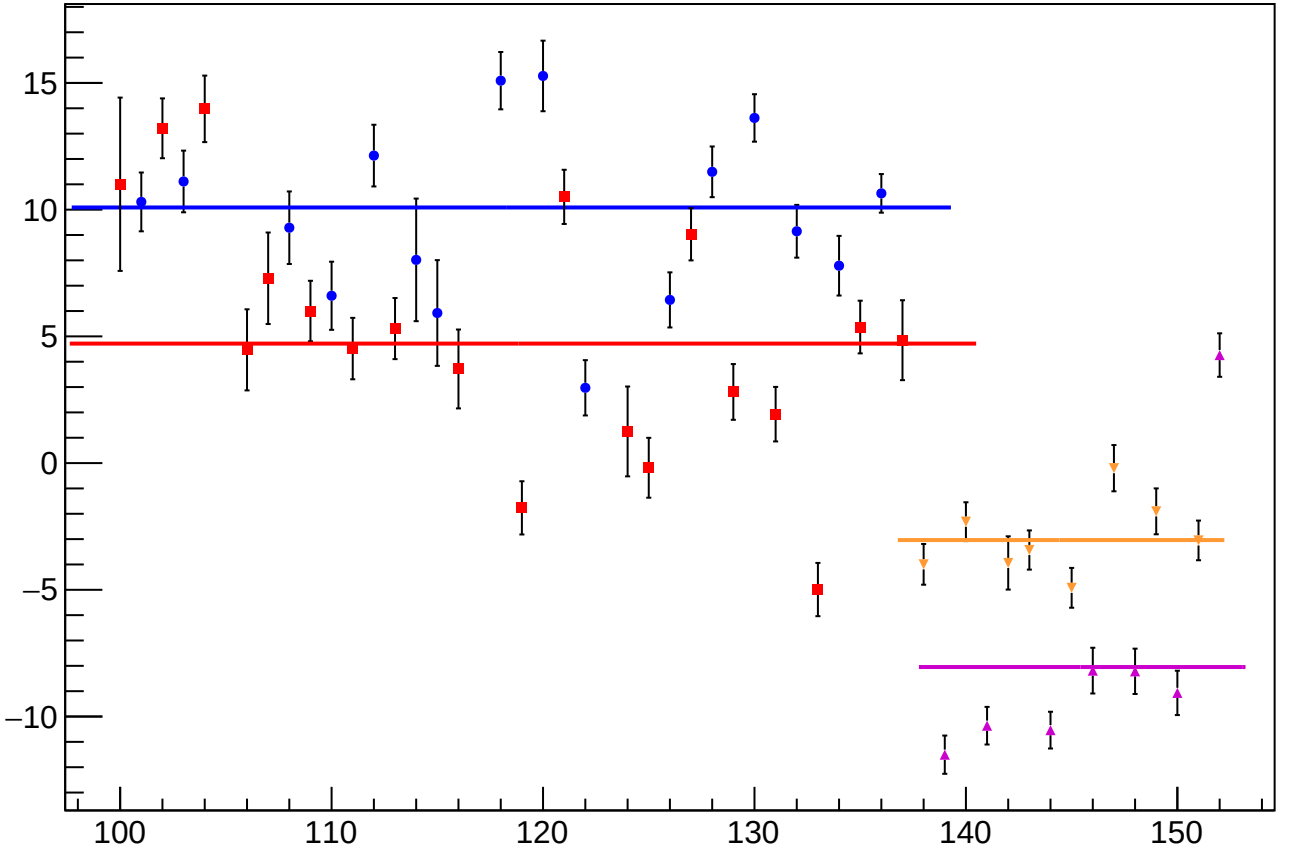
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4117.210+/-0.807 χ^2/NDF:656509.3/22

Out: 4107.532+/-0.795 χ^2/NDF:705395.5/26

All: 4112.301+/-0.566 χ^2/NDF: 1361977.8/49

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: -8.047+/-0.307 χ^2/NDF:249.8/6

Left: -5.441+/-0.213 χ^2/NDF: 408.7/14

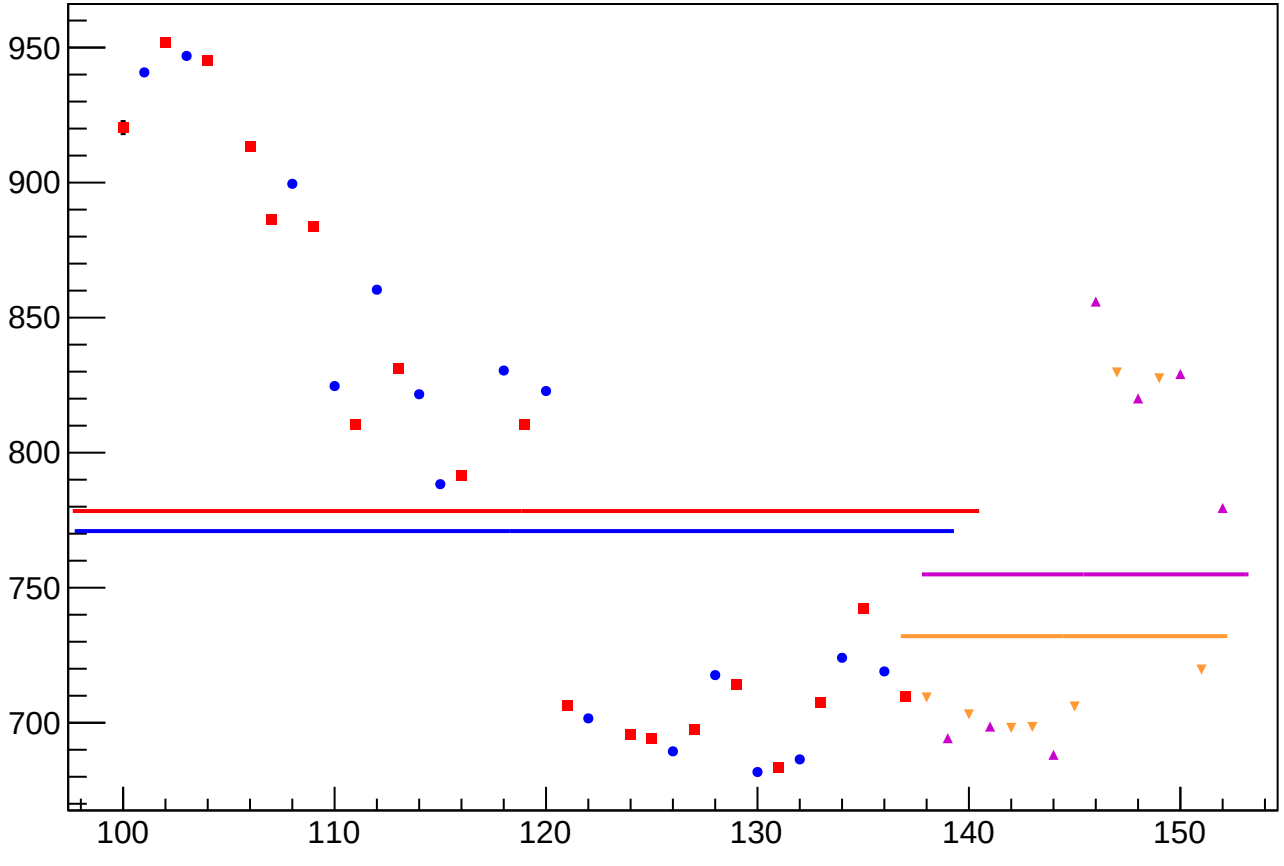
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 1.585+/-0.210 χ^2/NDF:2227.5/22

Out: 0.960+/-0.205 χ^2/NDF:687.0/26

All: 1.265+/-0.147 χ^2/NDF: 2919.0/49

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: 754.937+/-0.217 χ^2/NDF:93097.6/6

Left: 743.038+/-0.150 χ^2/NDF: 157054.9/14

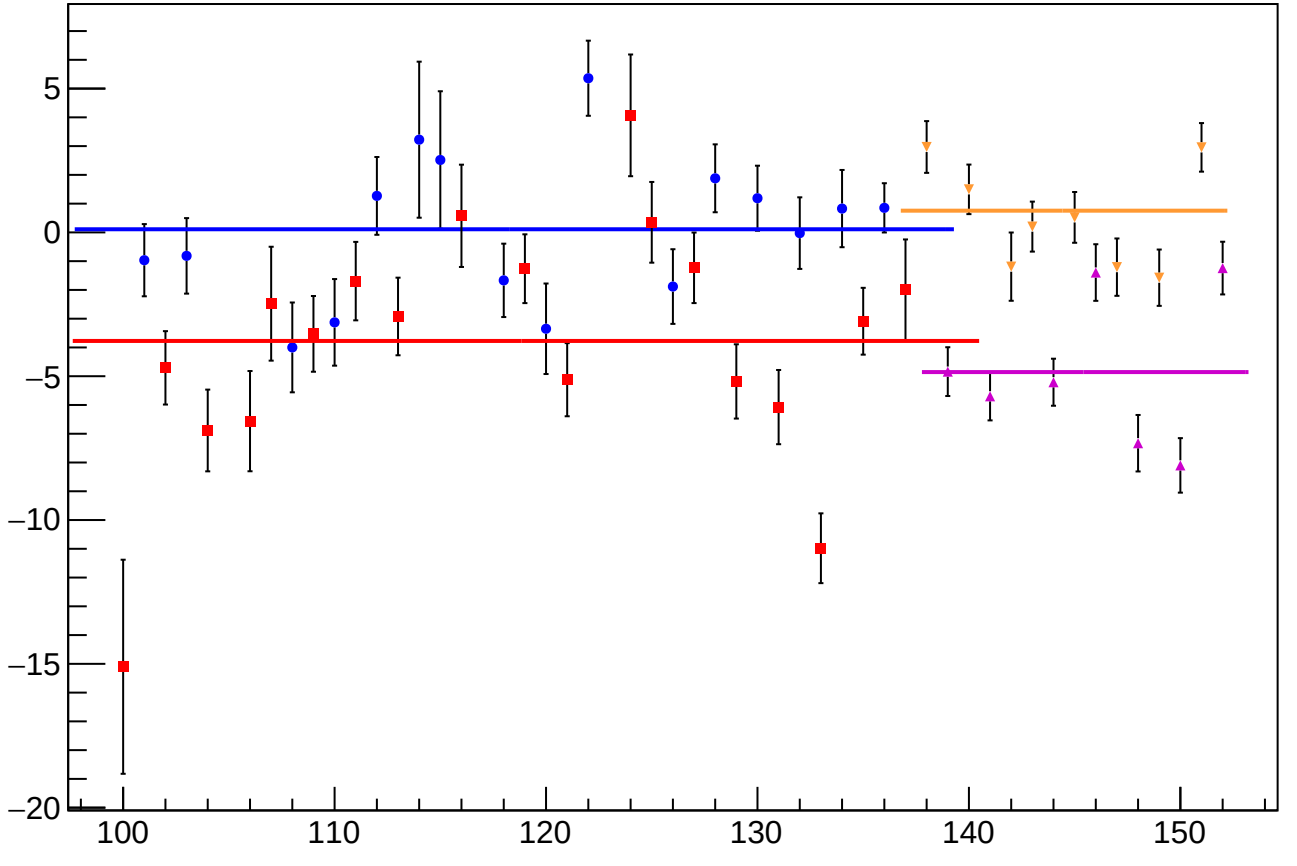
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 763.455+/-0.149 χ^2/NDF:288909.1/22

Out: 755.951+/-0.145 χ^2/NDF:280192.2/26

All: 759.613+/-0.104 χ^2/NDF: 570406.7/49

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: -4.856+/-0.339 χ^2/NDF:47.2/6

Left: -1.947+/-0.235 χ^2/NDF: 215.3/14

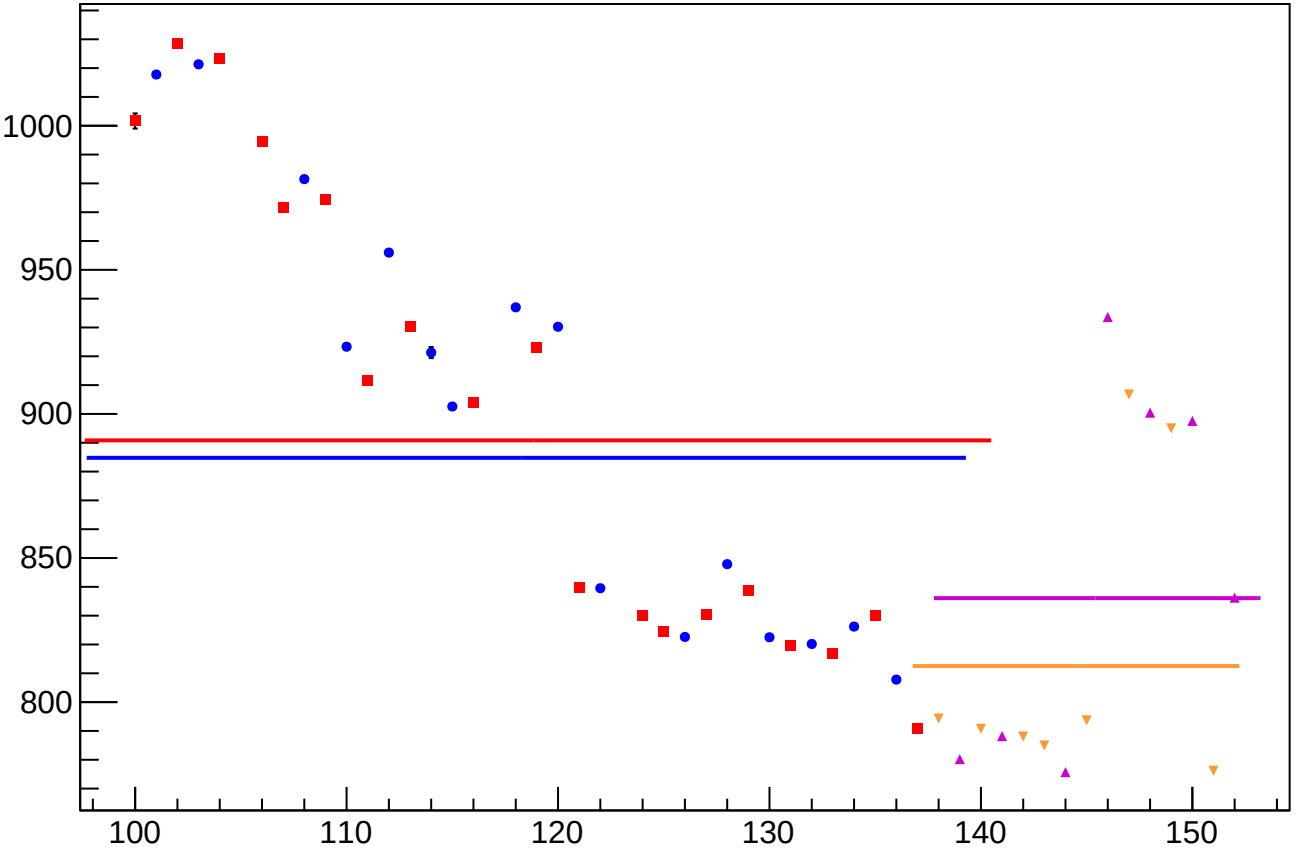
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -2.304+/-0.237 χ^2/NDF:202.6/22

Out: -1.516+/-0.231 χ^2/NDF:222.1/26

All: -1.900+/-0.165 χ^2/NDF: 430.4/49

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: 836.084+/-0.240 χ^2/NDF:62777.2/6

Left: 823.862+/-0.166 χ^2/NDF: 109428.0/14

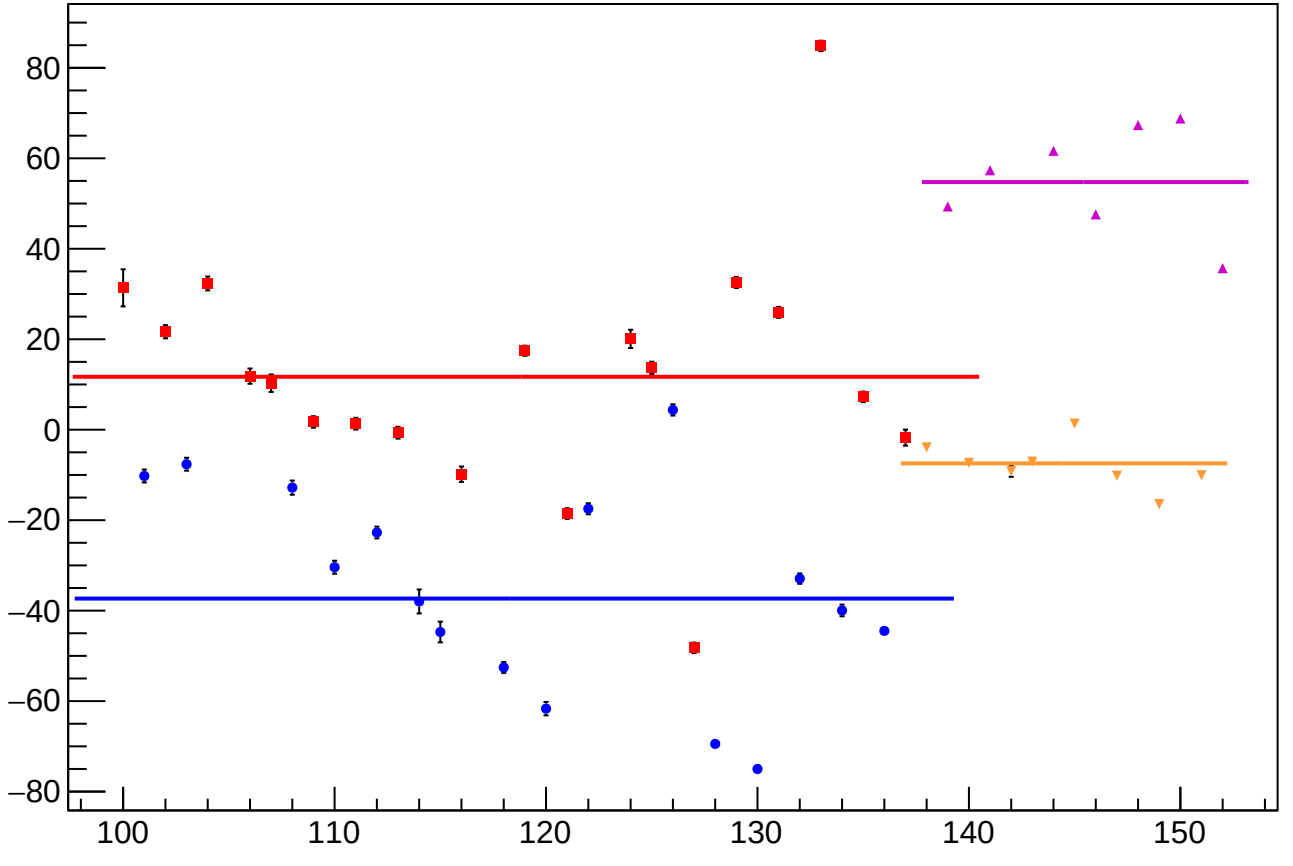
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 861.113+/-0.167 χ^2/NDF:188441.0/22

Out: 851.775+/-0.163 χ^2/NDF:206918.2/26

All: 856.331+/-0.117 χ^2/NDF: 396955.5/49

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: 54.744+/-0.349 χ^2/NDF:941.9/6

Left: 22.283+/-0.241 χ^2/NDF: 17704.5/14

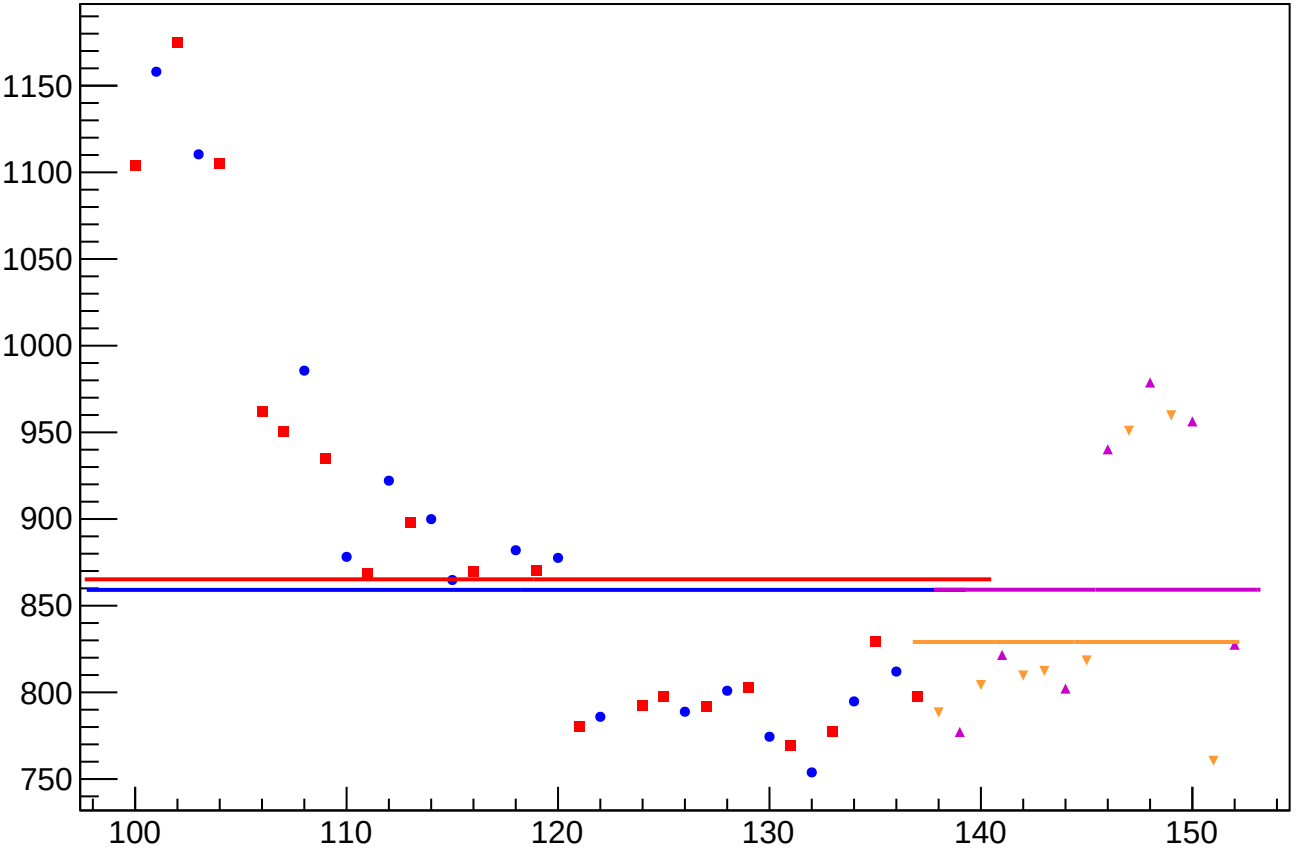
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 4.954+/-0.237 χ^2/NDF:43737.4/22

Out: 2.607+/-0.230 χ^2/NDF:10389.4/26

All: 3.749+/-0.165 χ^2/NDF: 54177.3/49

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: 859.223+/-0.247 χ^2/NDF:91085.6/6

Left: 843.485+/-0.171 χ^2/NDF: 177999.0/14

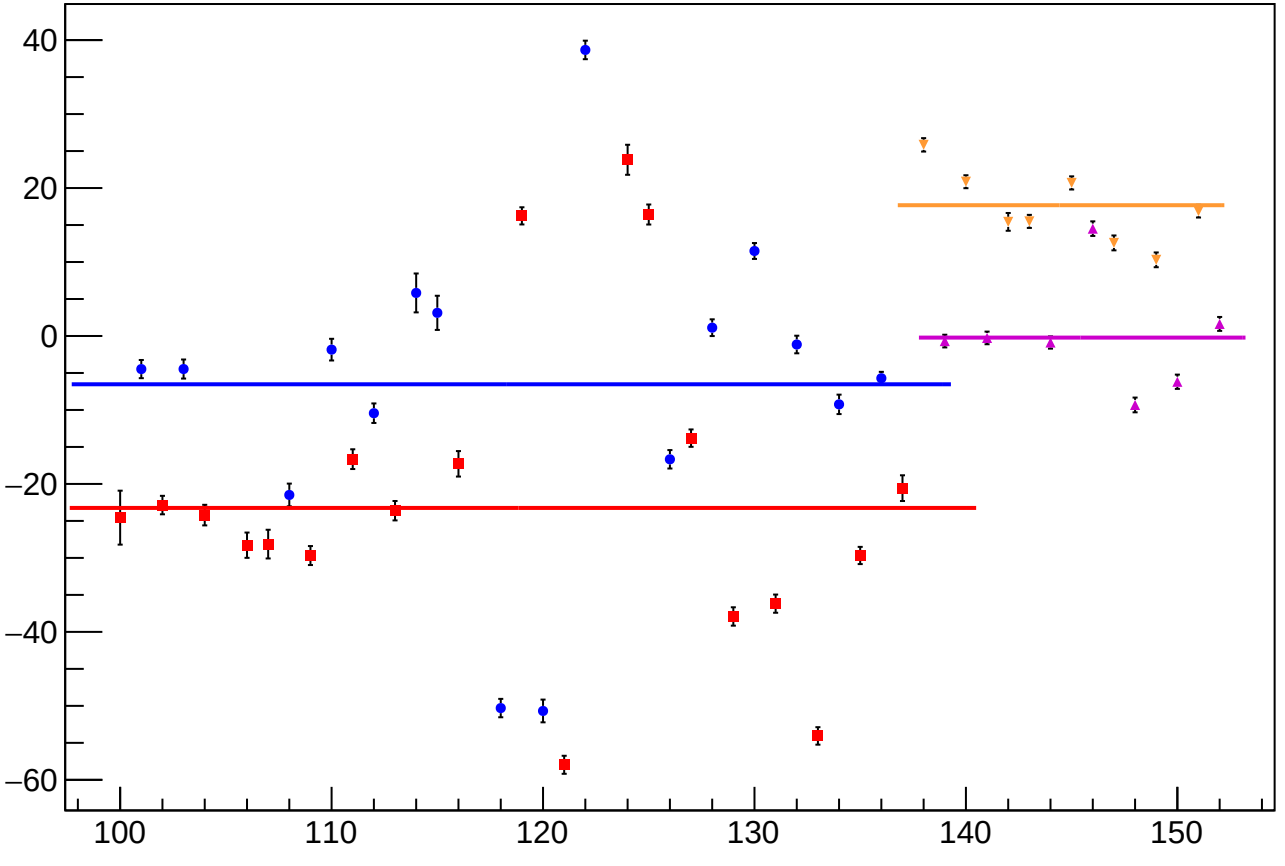
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 859.171+/-0.167 χ^2/NDF:319795.7/22

Out: 848.039+/-0.163 χ^2/NDF:315078.5/26

All: 853.455+/-0.117 χ^2/NDF: 637147.6/49

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: -0.218+/-0.345 χ^2/NDF:349.4/6

Left: 9.072+/-0.239 χ^2/NDF: 1945.9/14

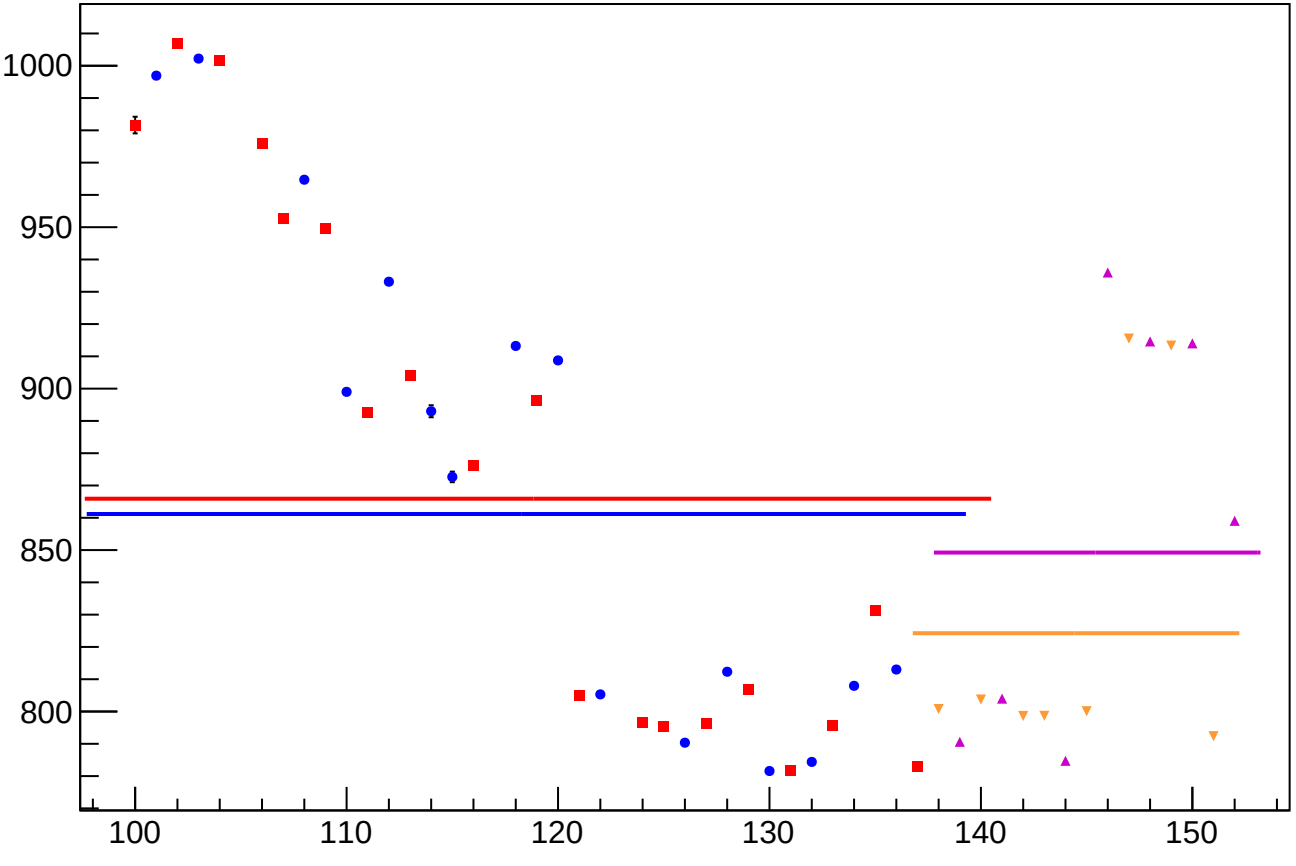
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -3.595+/-0.235 χ^2/NDF:4474.9/22

Out: -3.706+/-0.229 χ^2/NDF:12621.4/26

All: -3.652+/-0.164 χ^2/NDF: 17096.4/49

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: 849.234+/-0.244 χ^2/NDF:60369.0/6

Left: 836.267+/-0.169 χ^2/NDF: 107405.6/14

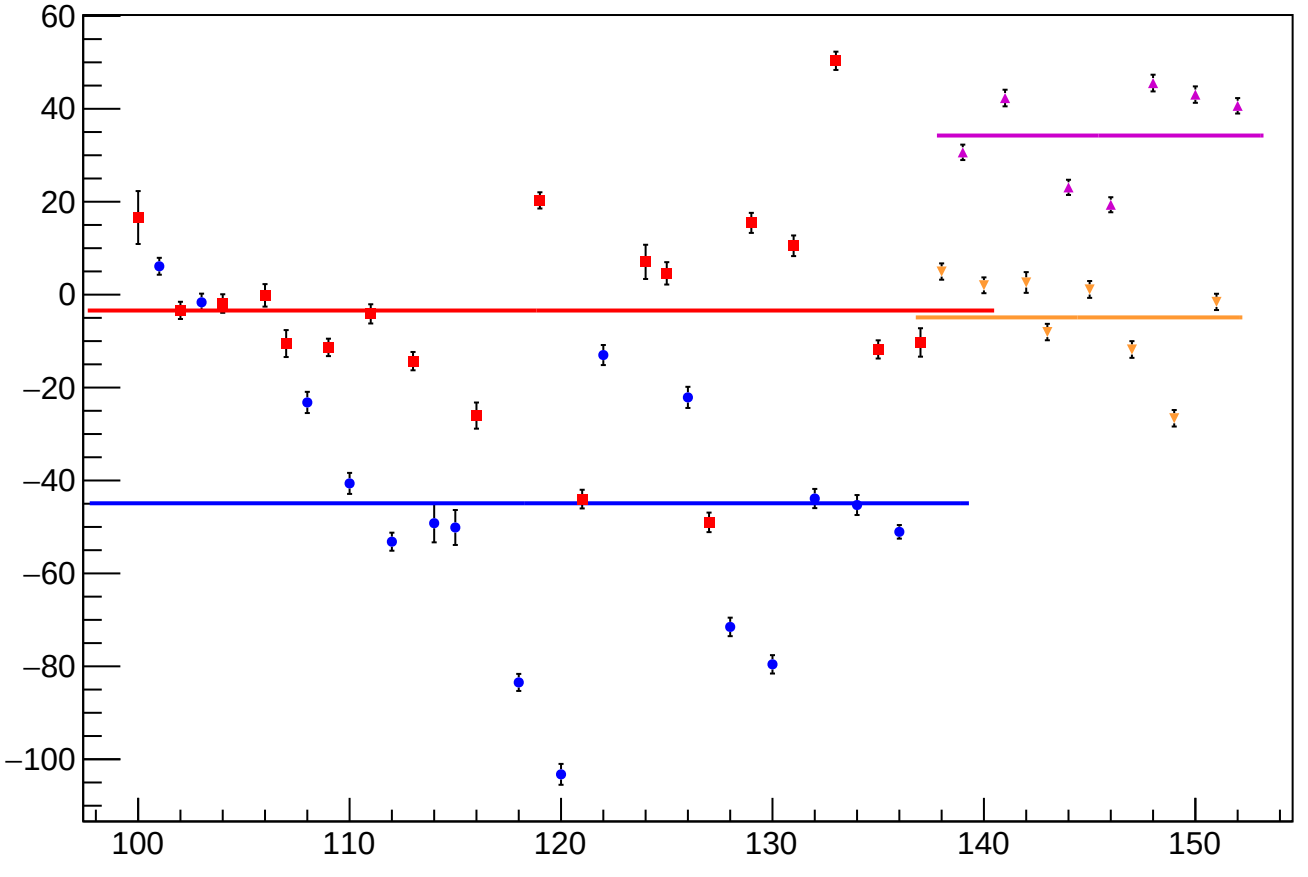
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 855.621+/-0.166 χ^2/NDF:175182.7/22

Out: 846.021+/-0.162 χ^2/NDF:176482.5/26

All: 850.701+/-0.116 χ^2/NDF: 353376.2/49

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: 34.247+/-0.643 χ^2/NDF:235.1/6

Left: 14.566+/-0.453 χ^2/NDF: 2341.2/14

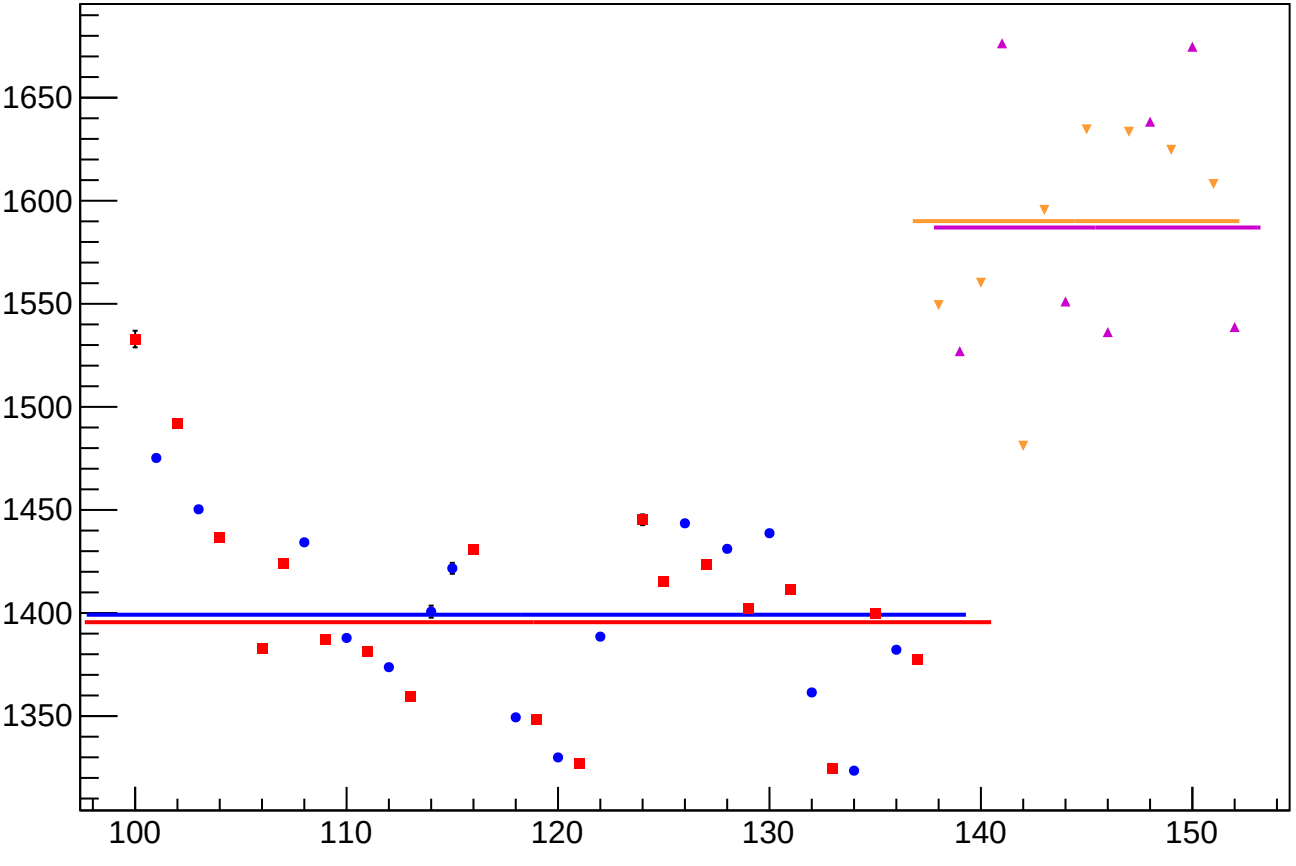
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -13.600+/-0.404 χ^2/NDF:12779.9/22

Out: -3.992+/-0.398 χ^2/NDF:2346.7/26

All: -8.724+/-0.284 χ^2/NDF: 15413.3/49

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: 1587.006+/-0.454 χ^2/NDF:18767.2/6

Left: 1588.571+/-0.320 χ^2/NDF: 28617.5/14

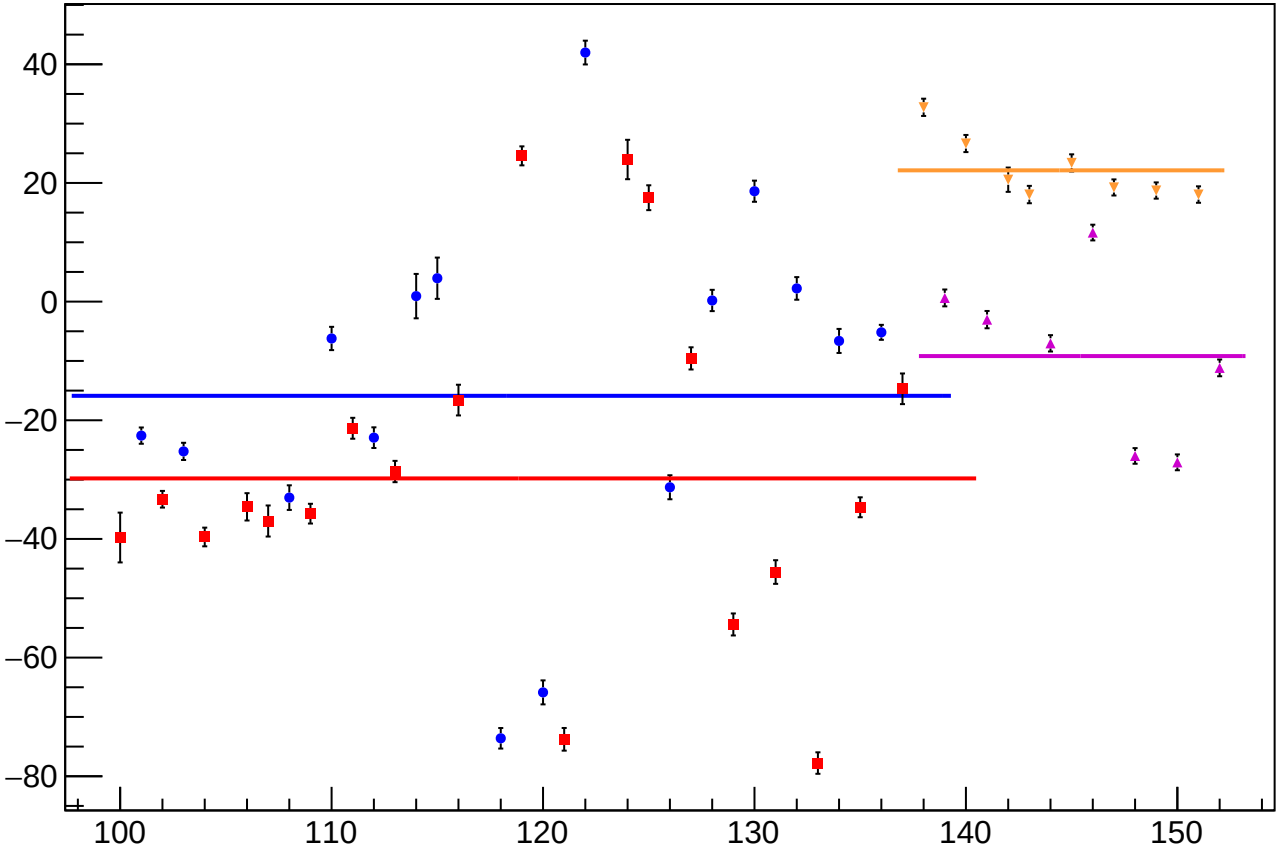
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1473.461+/-0.286 χ^2/NDF:136862.2/22

Out: 1471.075+/-0.282 χ^2/NDF:139445.1/26

All: 1472.250+/-0.201 χ^2/NDF: 276342.6/49

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: -9.180+/-0.520 χ^2/NDF:659.7/6

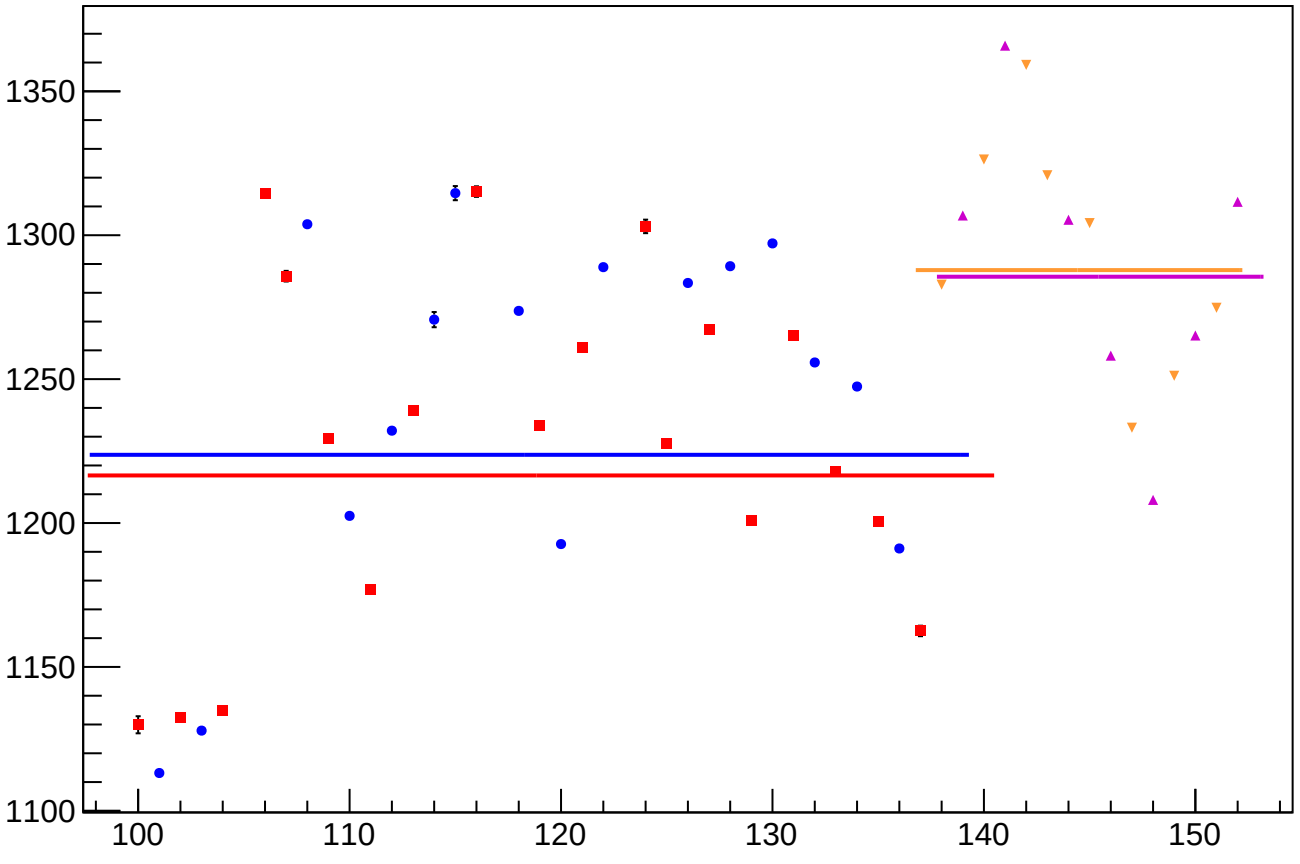
Left: 6.541+/-0.367 χ^2/NDF: 2571.8/14

Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -12.971+/-0.343 χ^2/NDF:4231.4/22

Out: -7.771+/-0.337 χ^2/NDF:9565.8/26

All: -10.331+/-0.240 χ^2/NDF: 13914.3/49



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: 1285.582+/-0.368 χ^2/NDF:15853.9/6

Left: 1286.737+/-0.259 χ^2/NDF: 25884.8/14

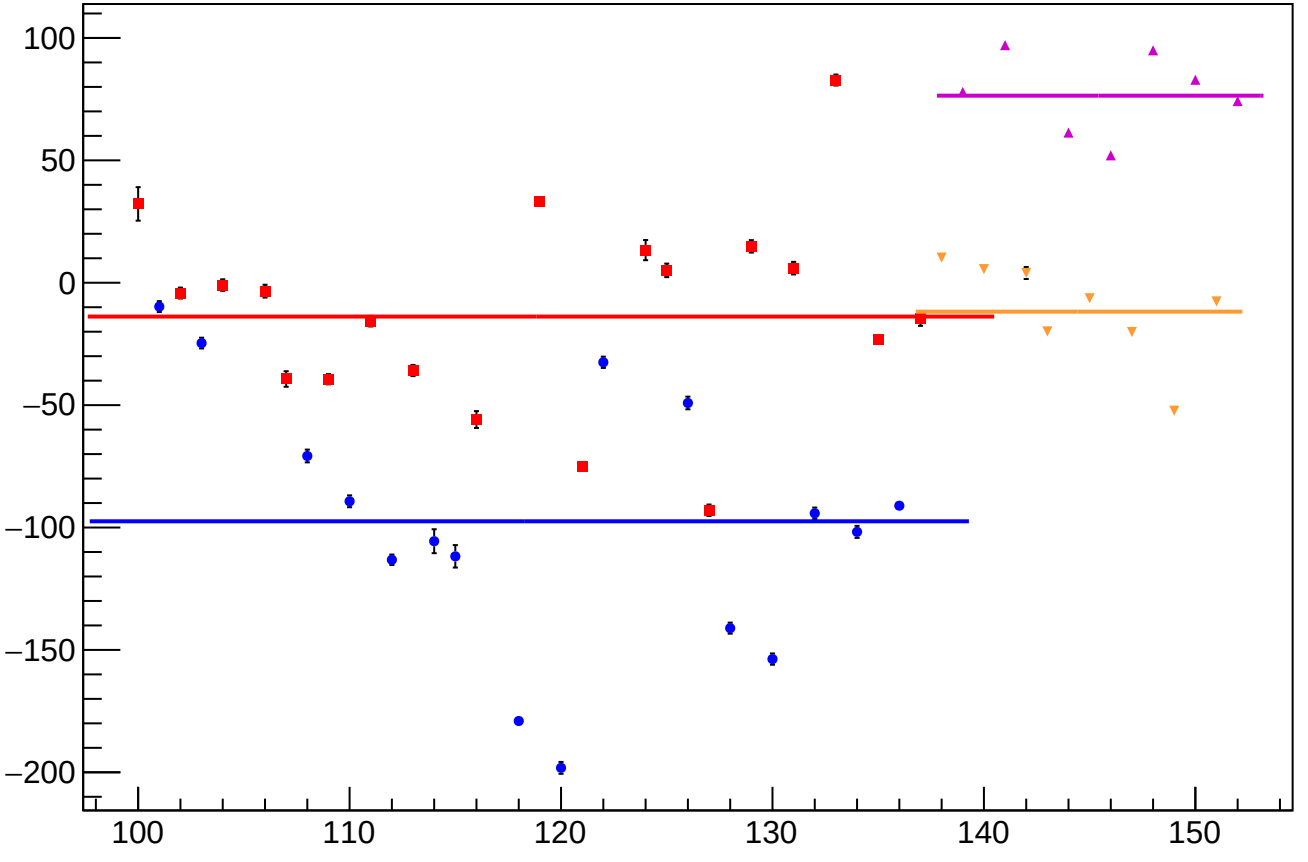
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1250.555+/-0.242 χ^2/NDF:72773.4/22

Out: 1246.802+/-0.238 χ^2/NDF:61267.4/26

All: 1248.649+/-0.170 χ^2/NDF: 134162.8/49

diff_bpm0i02aX_mean vs Slug, Sign Corrected



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: 76.426+/-0.660 χ^2/NDF:550.8/6

Left: 31.883+/-0.465 χ^2/NDF: 10423.0/14

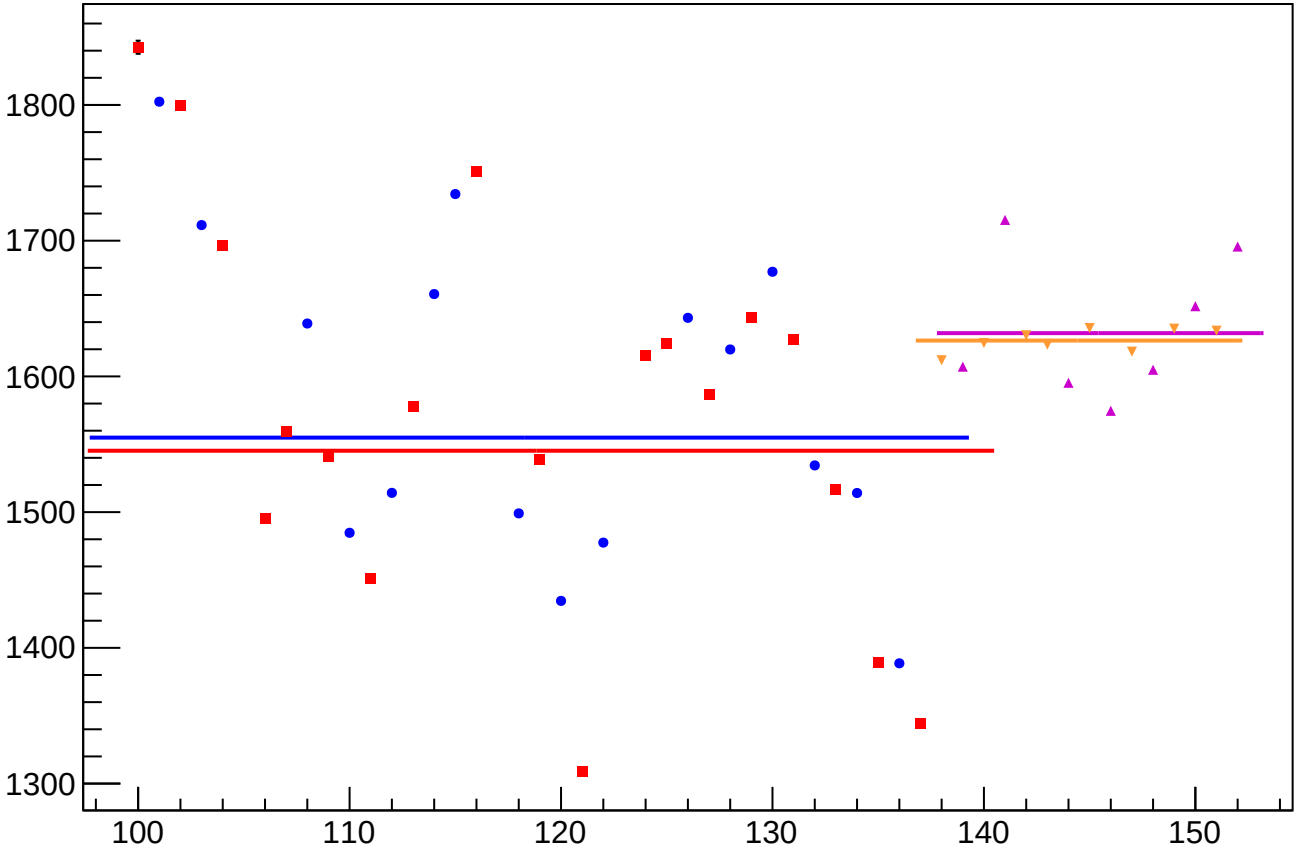
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -21.786+/-0.435 χ^2/NDF:48041.5/22

Out: -12.958+/-0.428 χ^2/NDF:6210.0/26

All: -17.294+/-0.305 χ^2/NDF: 54460.7/49

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: 1631.890+/-0.467 χ^2/NDF:11046.1/6

Left: 1629.127+/-0.328 χ^2/NDF: 11429.7/14

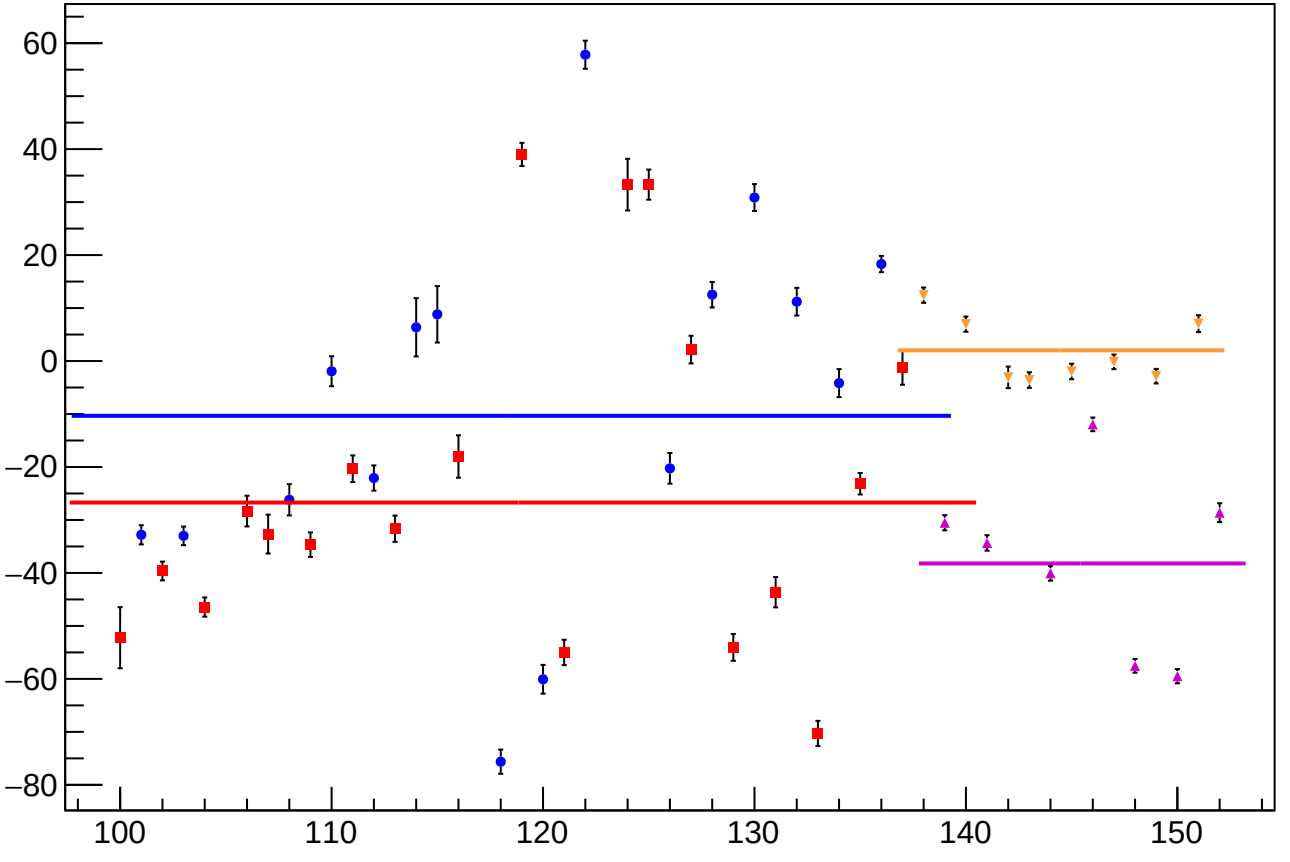
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1588.409+/-0.308 χ^2/NDF:114329.4/22

Out: 1579.992+/-0.302 χ^2/NDF:126736.8/26

All: 1584.125+/-0.216 χ^2/NDF: 241446.5/49

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: -38.208+/-0.532 χ^2/NDF:951.0/6

Left: -17.947+/-0.375 χ^2/NDF: 3947.1/14

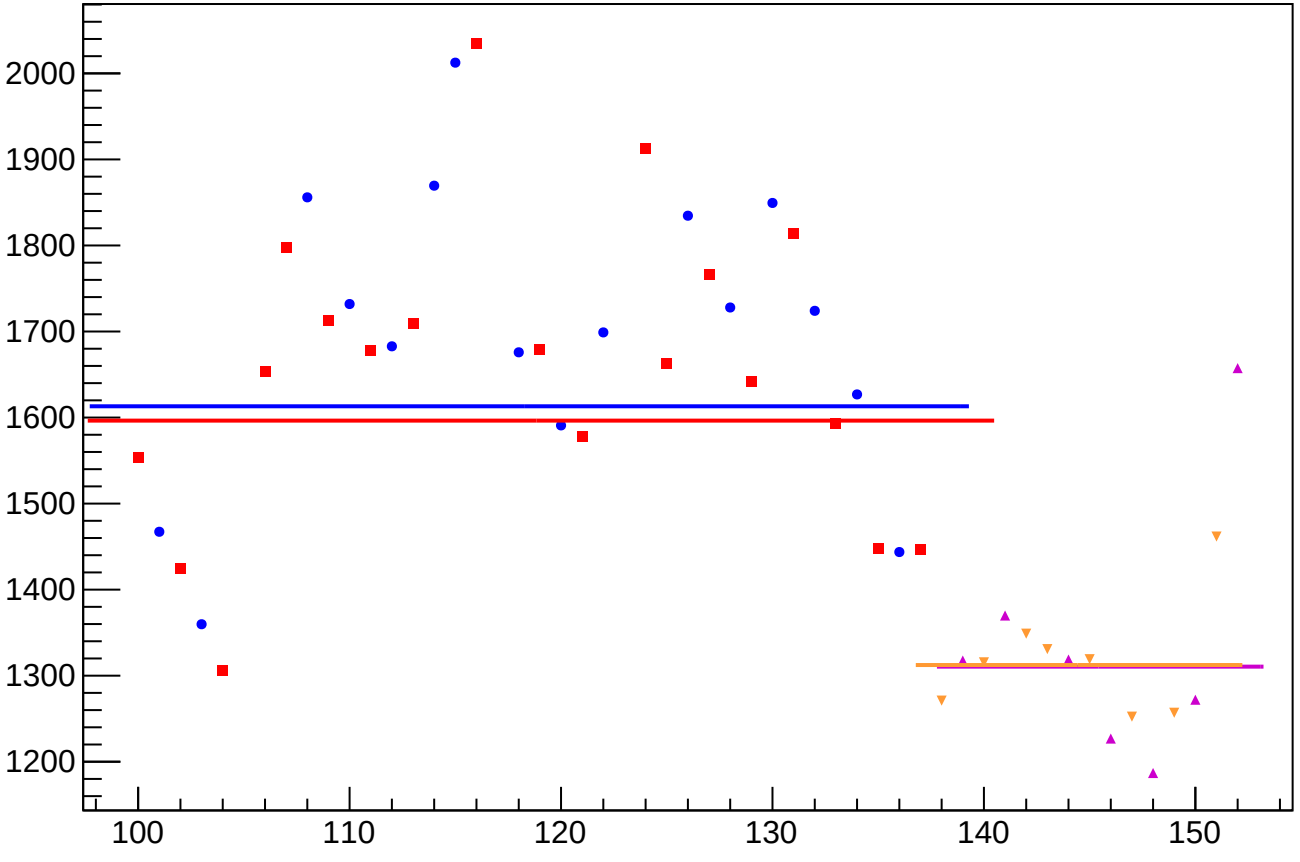
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -26.014+/-0.399 χ^2/NDF:5158.2/22

Out: -10.850+/-0.392 χ^2/NDF:3983.0/26

All: -18.306+/-0.280 χ^2/NDF: 9875.3/49

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: 1310.501+/-0.376 χ^2/NDF:107353.8/6

Left: 1311.445+/-0.265 χ^2/NDF: 134635.4/14

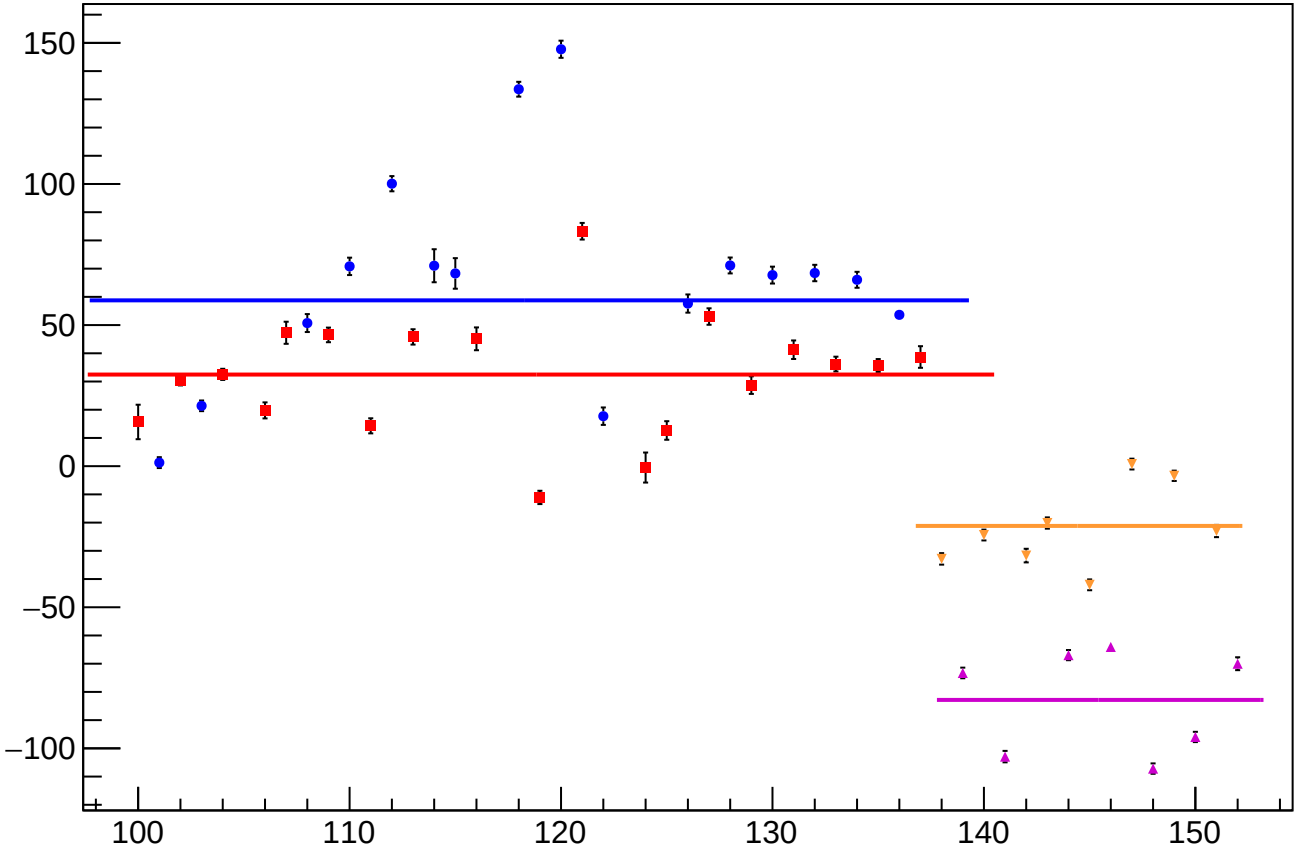
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1442.929+/-0.282 χ^2/NDF:545158.8/22

Out: 1439.614+/-0.277 χ^2/NDF:447132.4/26

All: 1441.244+/-0.198 χ^2/NDF: 992361.4/49

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: -82.835+/-0.718 χ^2/NDF:571.4/6

Left: -51.601+/-0.505 χ^2/NDF: 4701.5/14

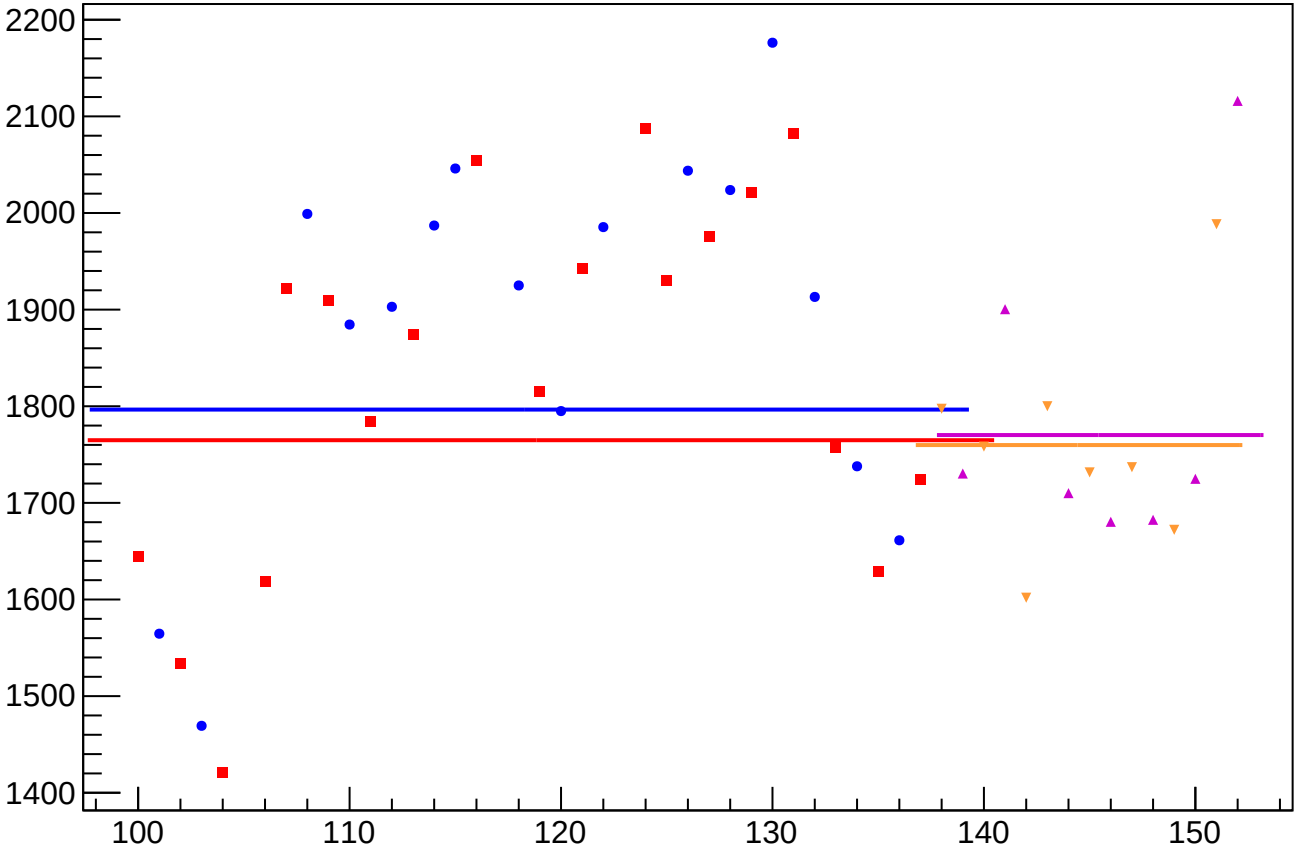
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -7.359+/-0.491 χ^2/NDF:24719.1/22

Out: 8.041+/-0.479 χ^2/NDF:4445.5/26

All: 0.538+/-0.343 χ^2/NDF: 29669.1/49

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: 1770.191+/-0.508 χ^2/NDF:67996.5/6

Left: 1764.942+/-0.357 χ^2/NDF: 105758.2/14

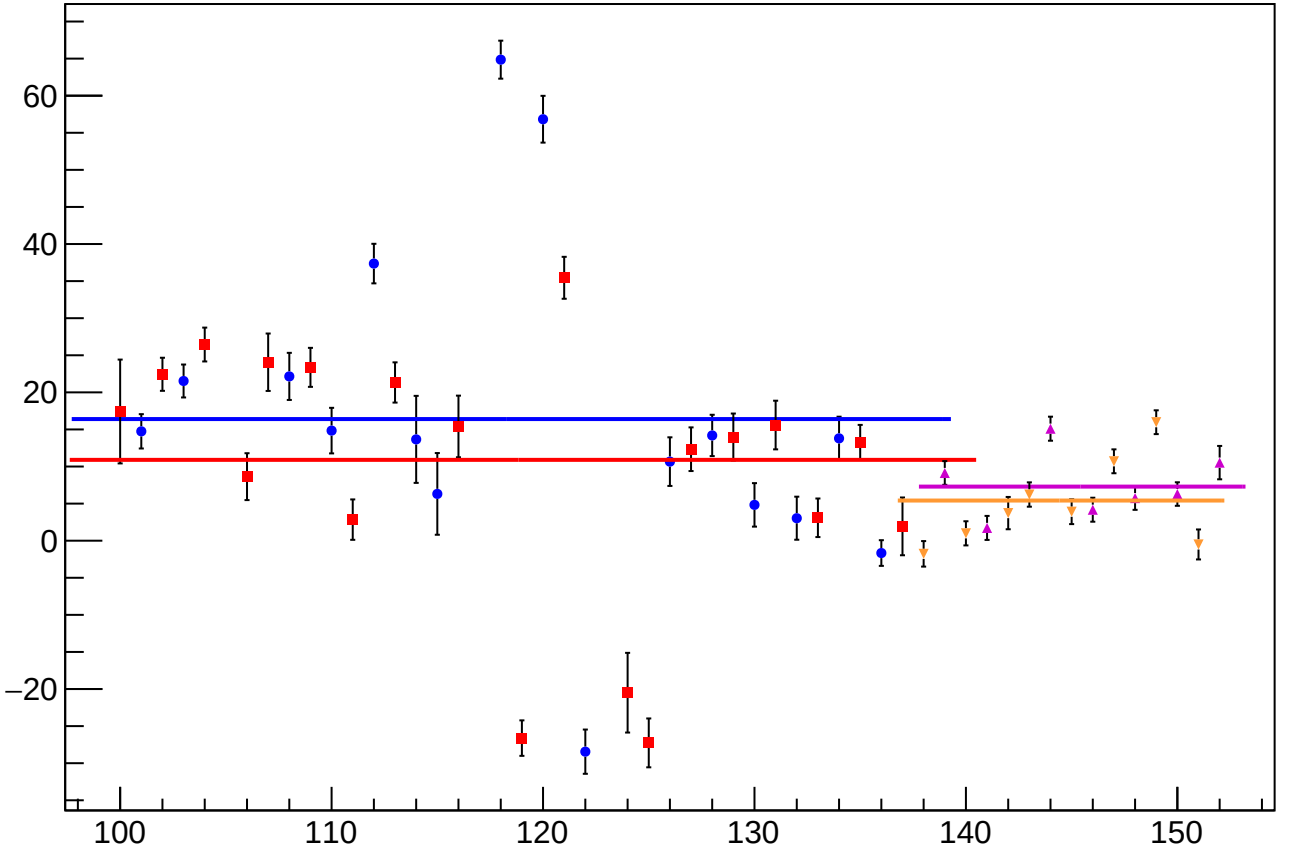
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1784.244+/-0.347 χ^2/NDF:262603.9/22

Out: 1762.569+/-0.338 χ^2/NDF:227593.7/26

All: 1773.129+/-0.242 χ^2/NDF: 492196.7/49

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: 7.293+/-0.629 χ^2/NDF:43.5/6

Left: 6.327+/-0.438 χ^2/NDF: 137.2/14

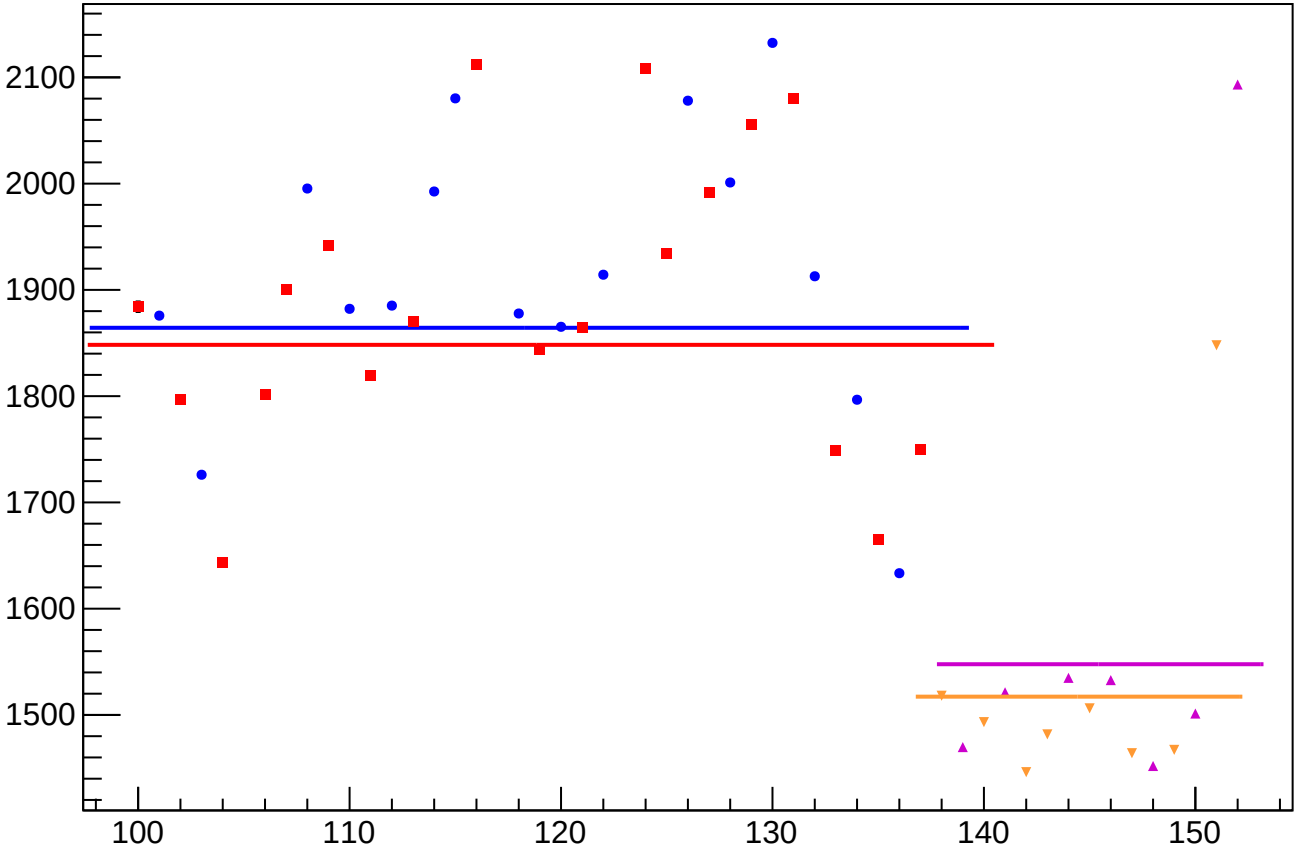
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 11.392+/-0.466 χ^2/NDF:1110.9/22

Out: 7.882+/-0.454 χ^2/NDF:767.1/26

All: 9.588+/-0.325 χ^2/NDF: 1907.1/49

diff_bpm0i05Y_rms vs Slug, Sign Corrected



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: 1547.728+/-0.445 χ^2/NDF:132189.8/6

Left: 1532.045+/-0.310 χ^2/NDF: 195793.1/14

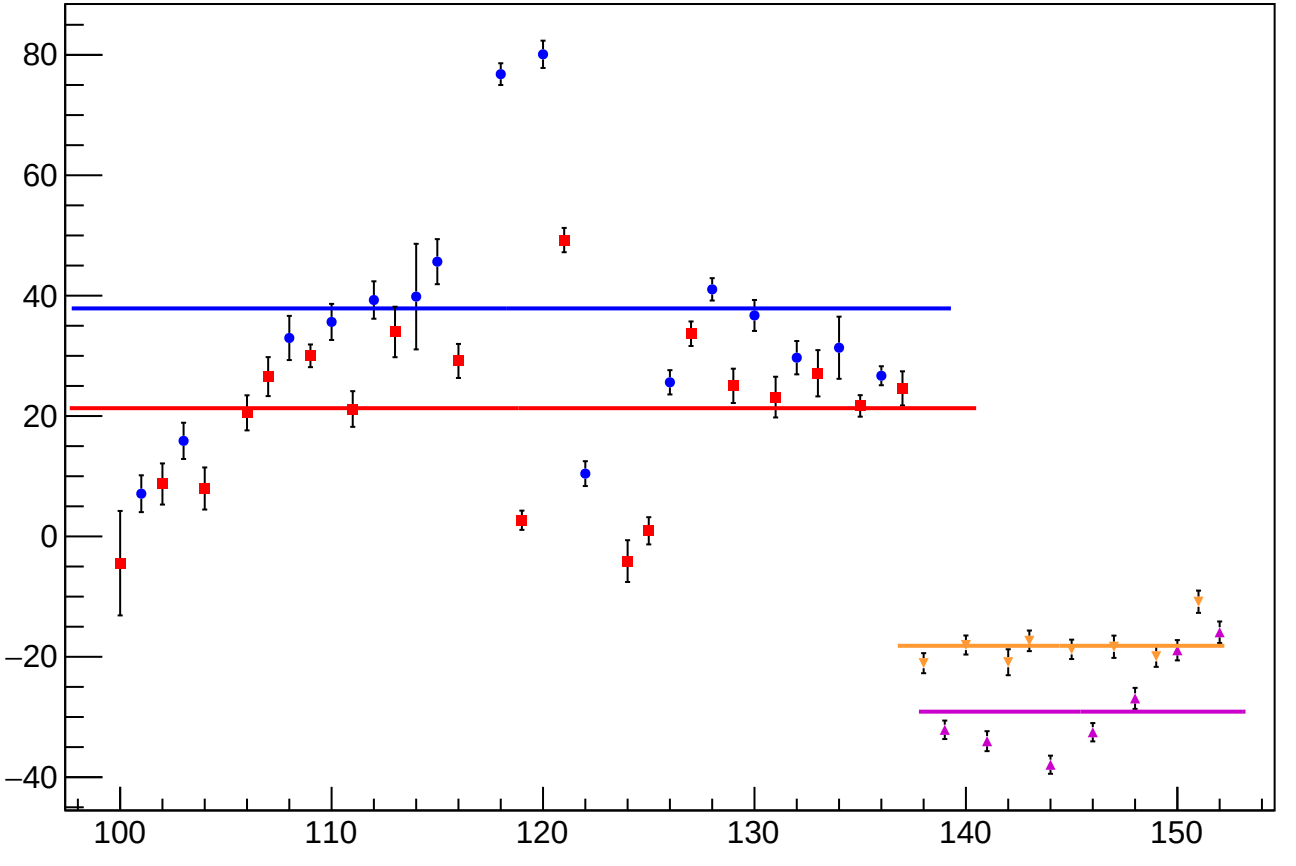
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1690.234+/-0.330 χ^2/NDF:443753.9/22

Out: 1666.148+/-0.321 χ^2/NDF:399851.0/26

All: 1677.859+/-0.230 χ^2/NDF: 846347.1/49

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: -29.113+/-0.614 χ^2/NDF:144.3/6

Left: -23.684+/-0.436 χ^2/NDF: 323.6/14

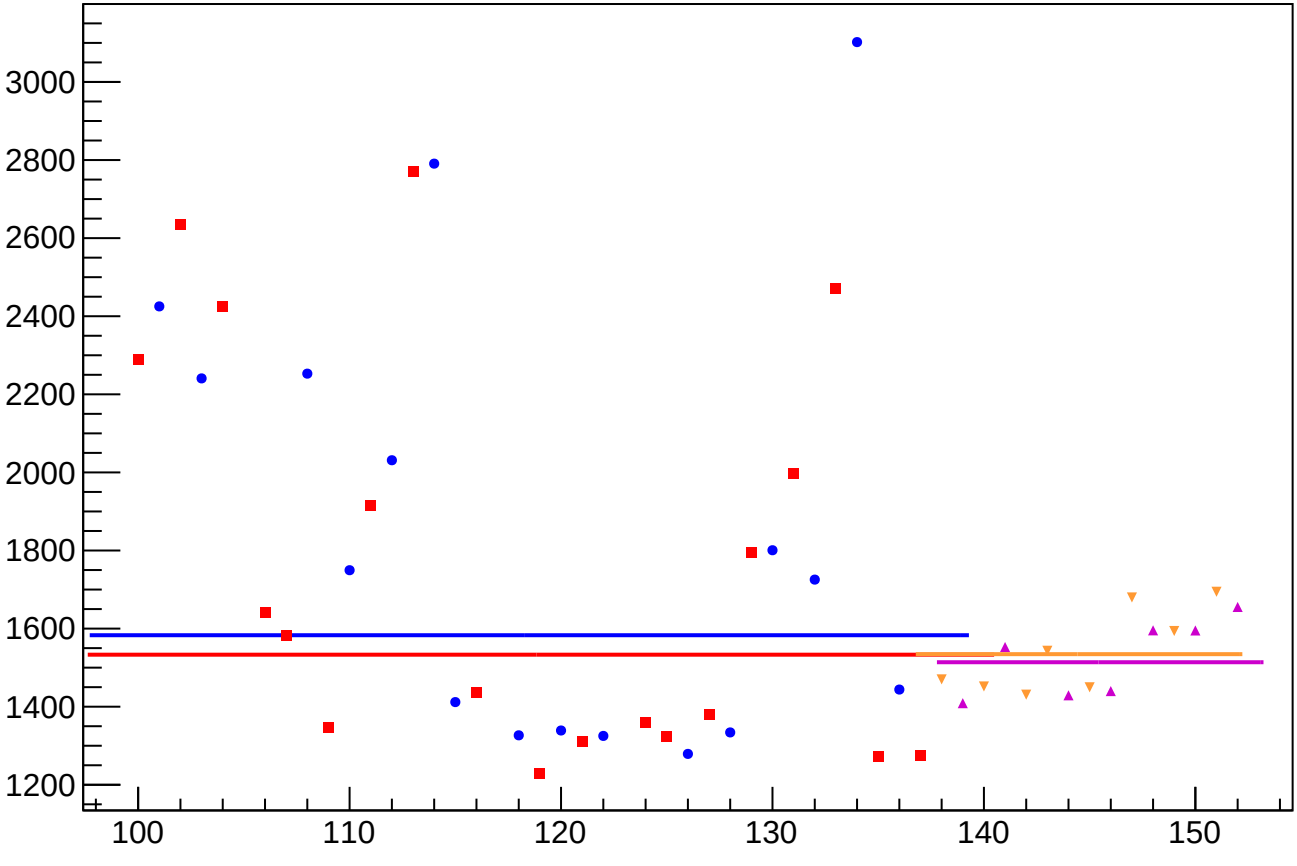
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 3.932+/-0.437 χ^2/NDF:7265.7/22

Out: 2.411+/-0.428 χ^2/NDF:2725.8/26

All: 3.156+/-0.306 χ^2/NDF: 9997.7/49

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: 1513.860+/-0.434 χ^2/NDF:43018.0/6

Left: 1524.123+/-0.308 χ^2/NDF: 92391.7/14

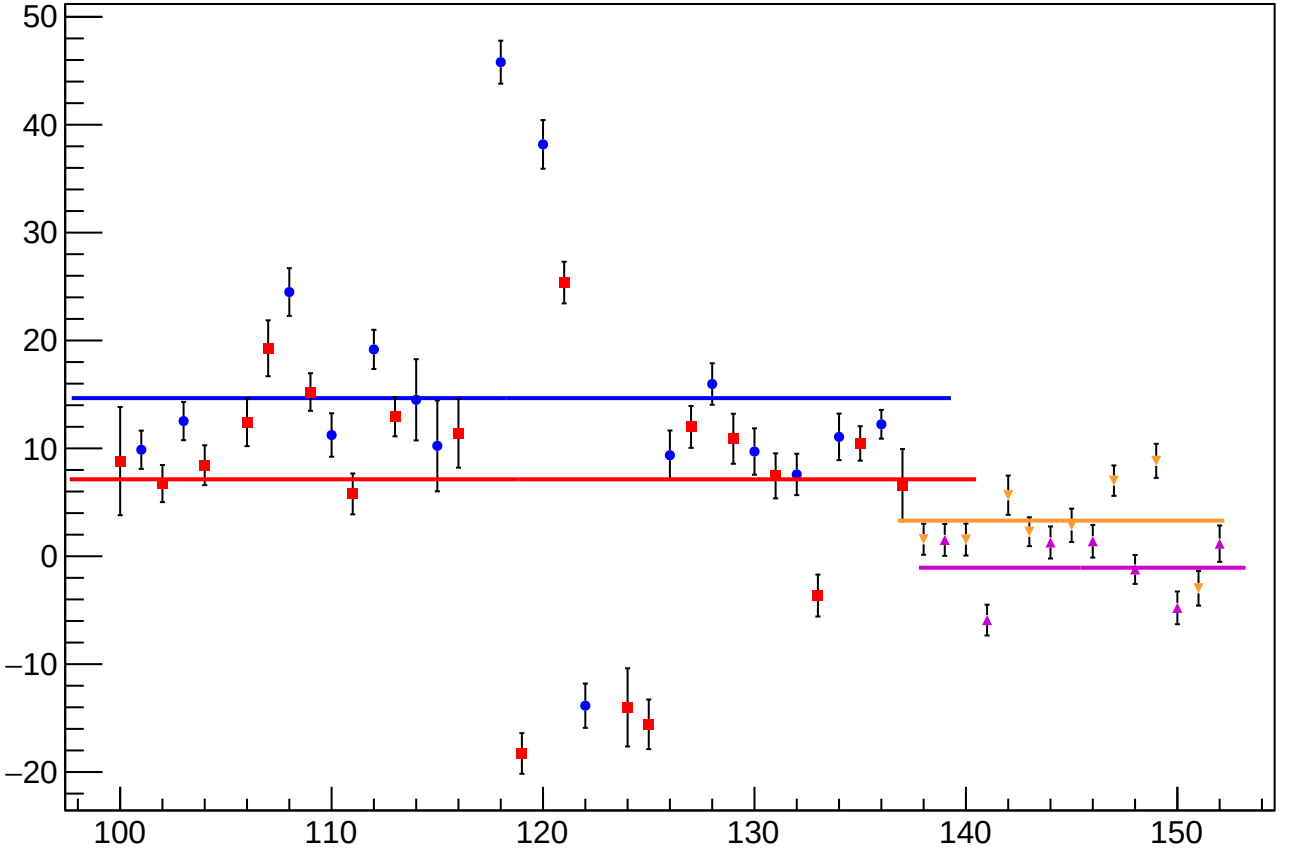
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1547.989+/-0.309 χ^2/NDF:843216.2/22

Out: 1533.839+/-0.303 χ^2/NDF:999030.0/26

All: 1540.767+/-0.216 χ^2/NDF: 1843315.9/49

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: -1.061+/-0.561 χ^2/NDF:27.5/6

Left: 1.227+/-0.387 χ^2/NDF: 98.9/14

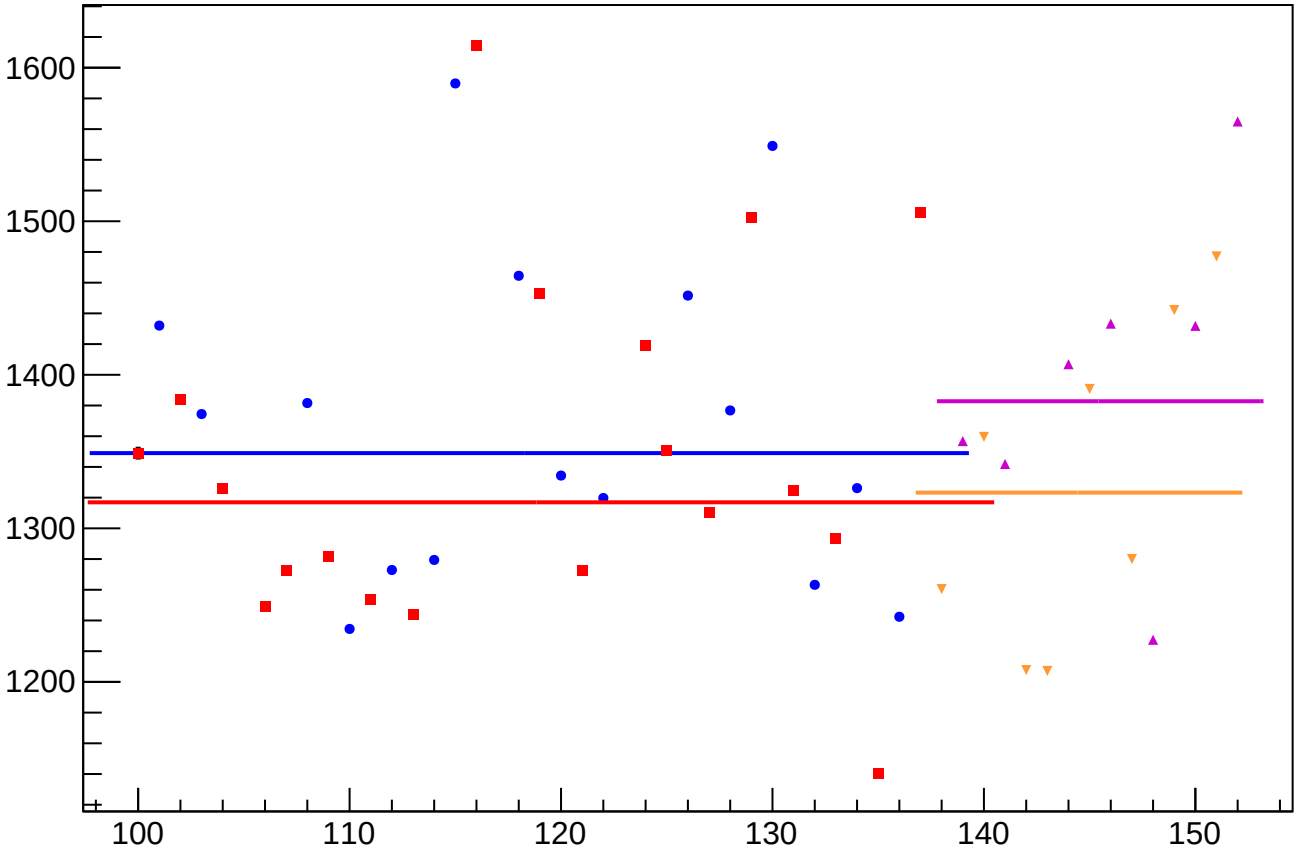
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 7.624+/-0.375 χ^2/NDF:1076.7/22

Out: 5.408+/-0.358 χ^2/NDF:577.4/26

All: 6.465+/-0.259 χ^2/NDF: 1672.3/49

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: 1382.782+/-0.396 χ^2/NDF:57291.4/6

Left: 1351.566+/-0.273 χ^2/NDF: 132609.5/14

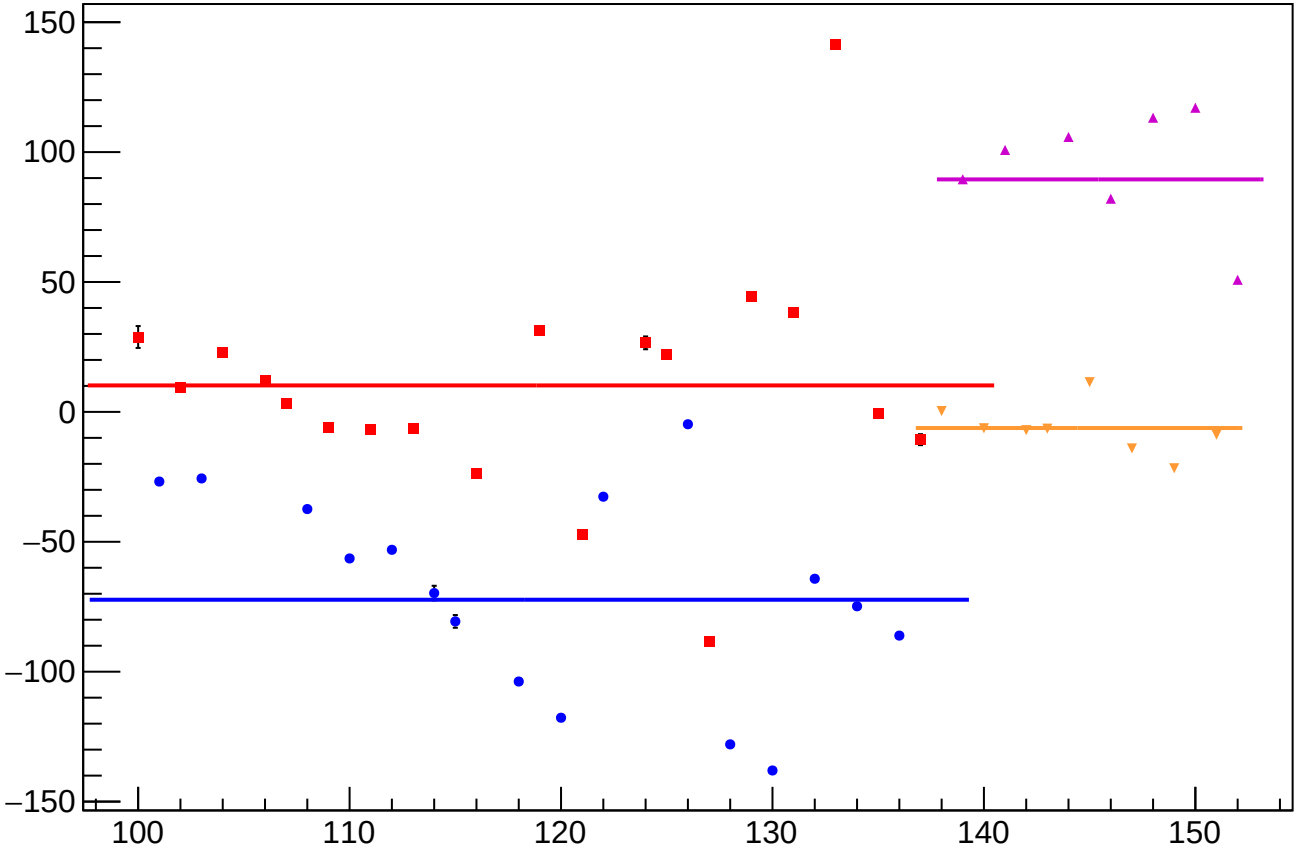
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1364.117+/-0.265 χ^2/NDF:129688.1/22

Out: 1319.800+/-0.253 χ^2/NDF:150520.8/26

All: 1340.944+/-0.183 χ^2/NDF: 294814.6/49

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: 89.490+/-0.375 χ^2/NDF:3790.6/6

Left: 40.521+/-0.262 χ^2/NDF: 37733.1/14

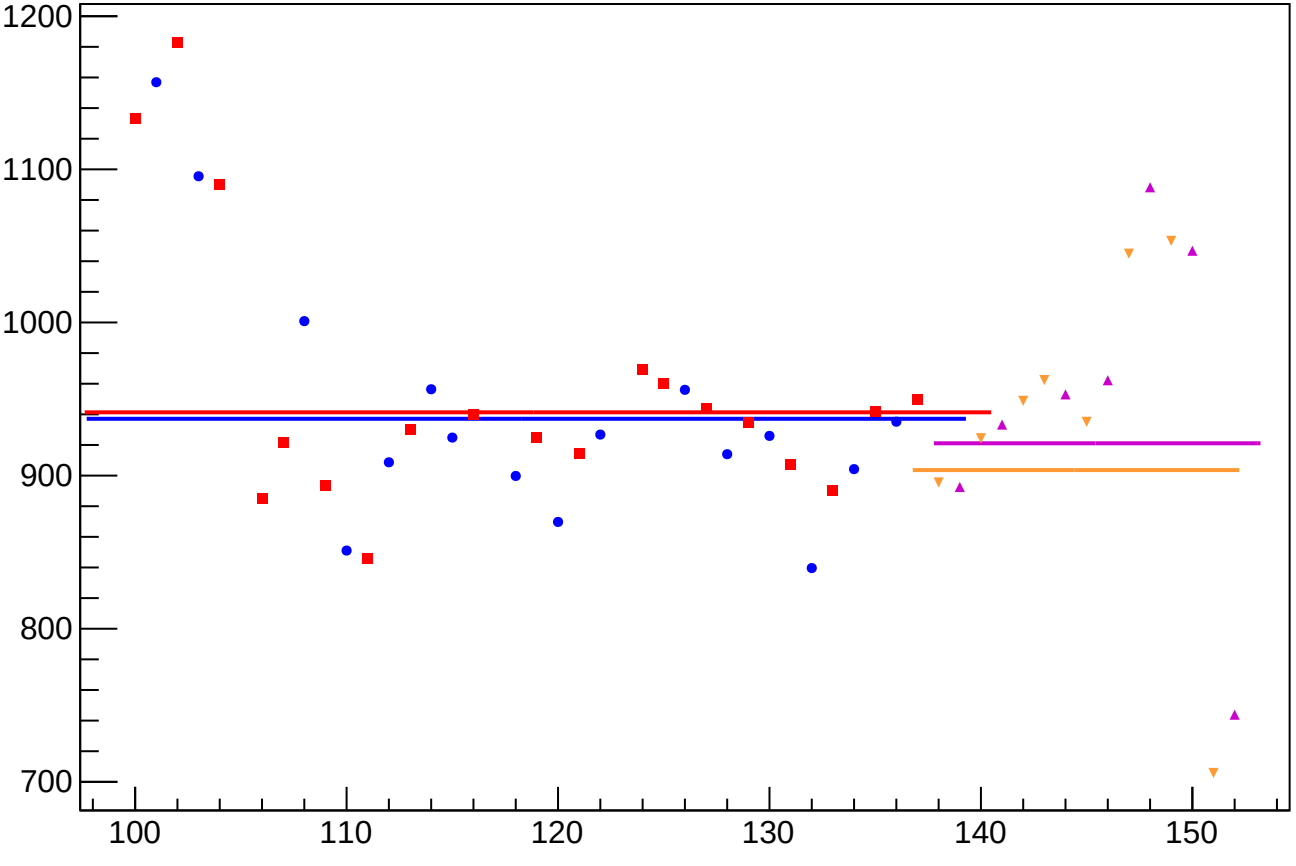
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 2.957+/-0.256 χ^2/NDF:115657.0/22

Out: 2.488+/-0.251 χ^2/NDF:20678.2/26

All: 2.718+/-0.179 χ^2/NDF: 136337.0/49

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: 921.102+/-0.265 χ^2/NDF:170454.5/6

Left: 912.150+/-0.185 χ^2/NDF: 380317.4/14

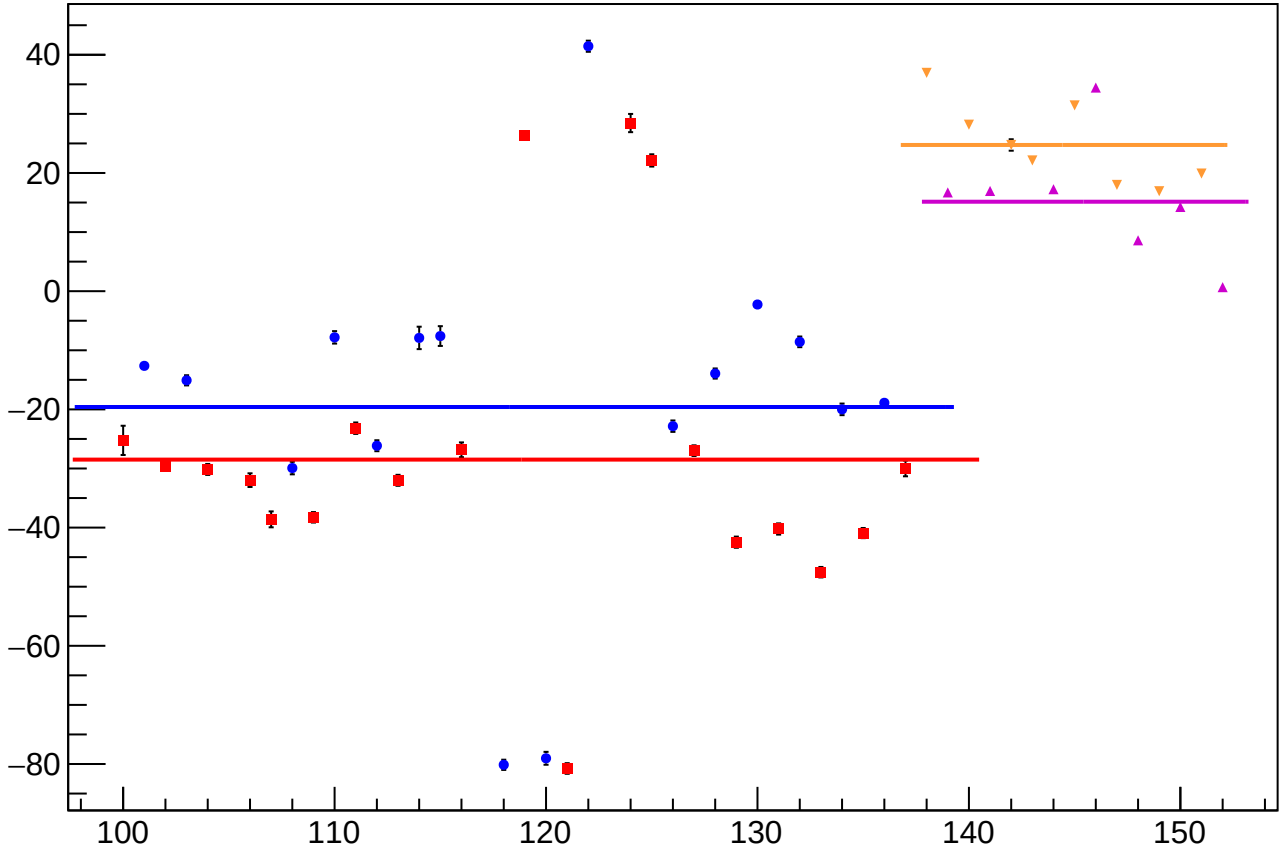
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 929.657+/-0.181 χ^2/NDF:277064.0/22

Out: 923.605+/-0.177 χ^2/NDF:319921.9/26

All: 926.575+/-0.127 χ^2/NDF: 597557.1/49

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: 15.138+/-0.266 χ^2/NDF:1323.5/6

Left: 20.114+/-0.185 χ^2/NDF: 2658.9/14

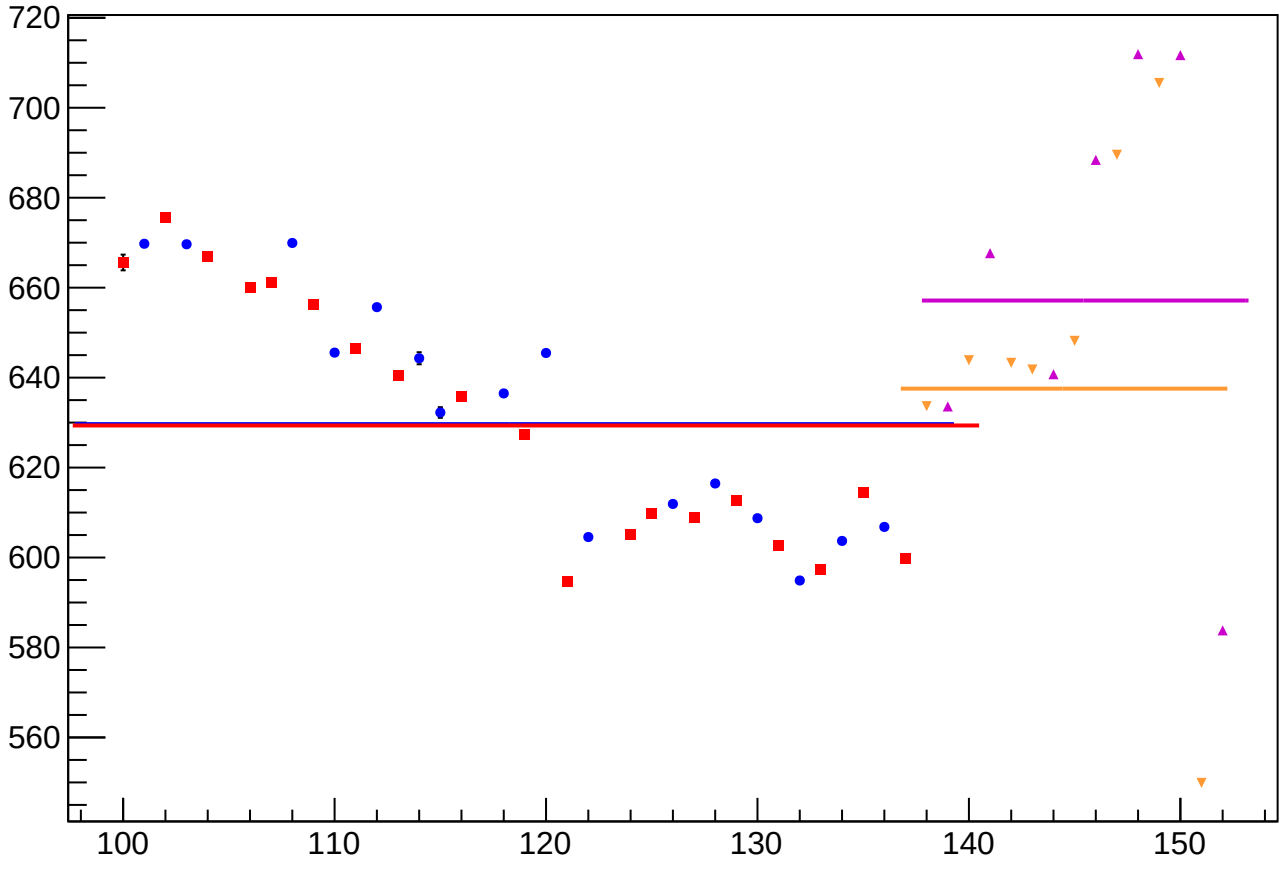
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -4.455+/-0.176 χ^2/NDF:24094.2/22

Out: -4.831+/-0.171 χ^2/NDF:37516.2/26

All: -4.648+/-0.123 χ^2/NDF: 61612.8/49

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: 657.140+/-0.188 χ^2/NDF:54930.8/6

Left: 646.990+/-0.131 χ^2/NDF: 129199.2/14

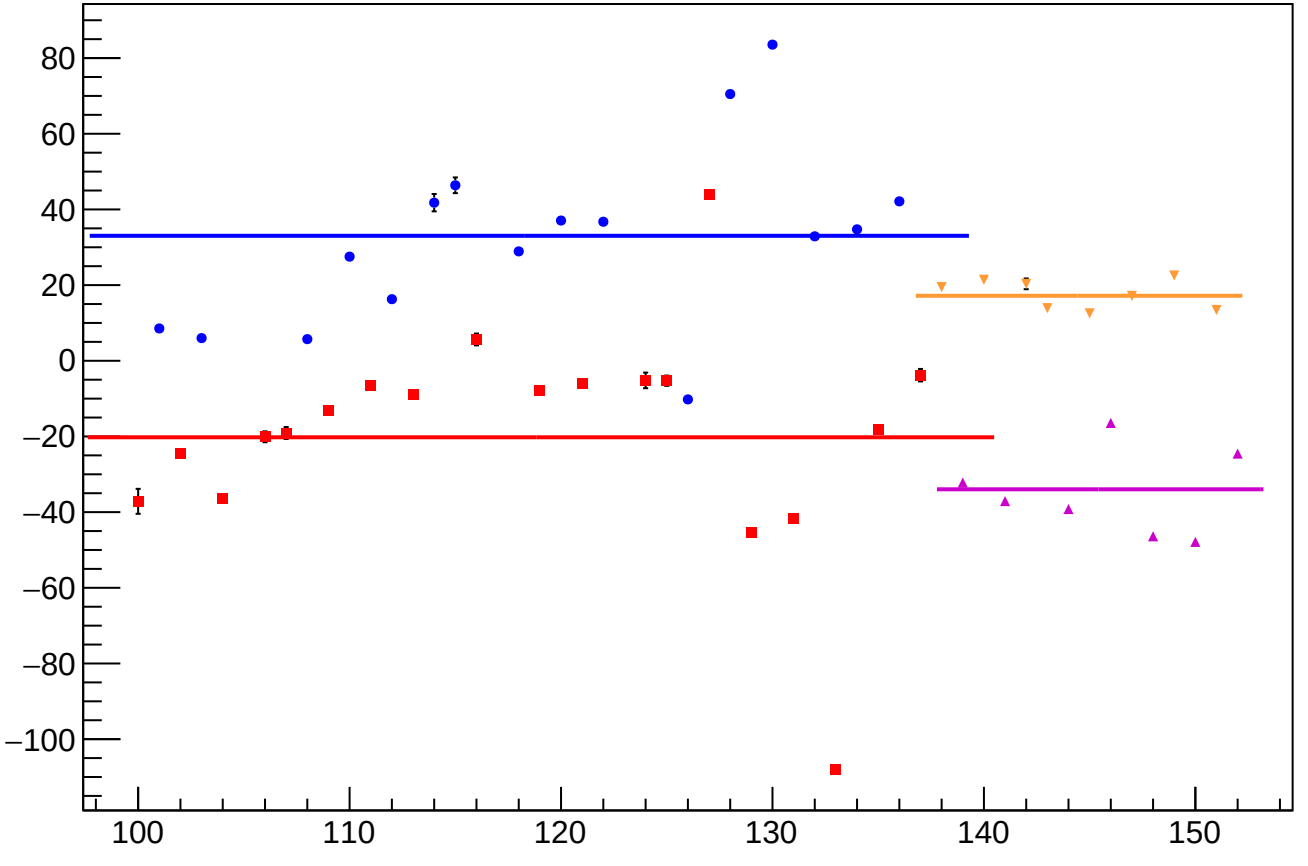
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 641.640+/-0.124 χ^2/NDF:92264.7/22

Out: 633.002+/-0.121 χ^2/NDF:96579.6/26

All: 637.206+/-0.087 χ^2/NDF: 191323.1/49

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: -33.964+/-0.393 χ^2/NDF:690.1/6

Left: -8.012+/-0.276 χ^2/NDF: 9373.2/14

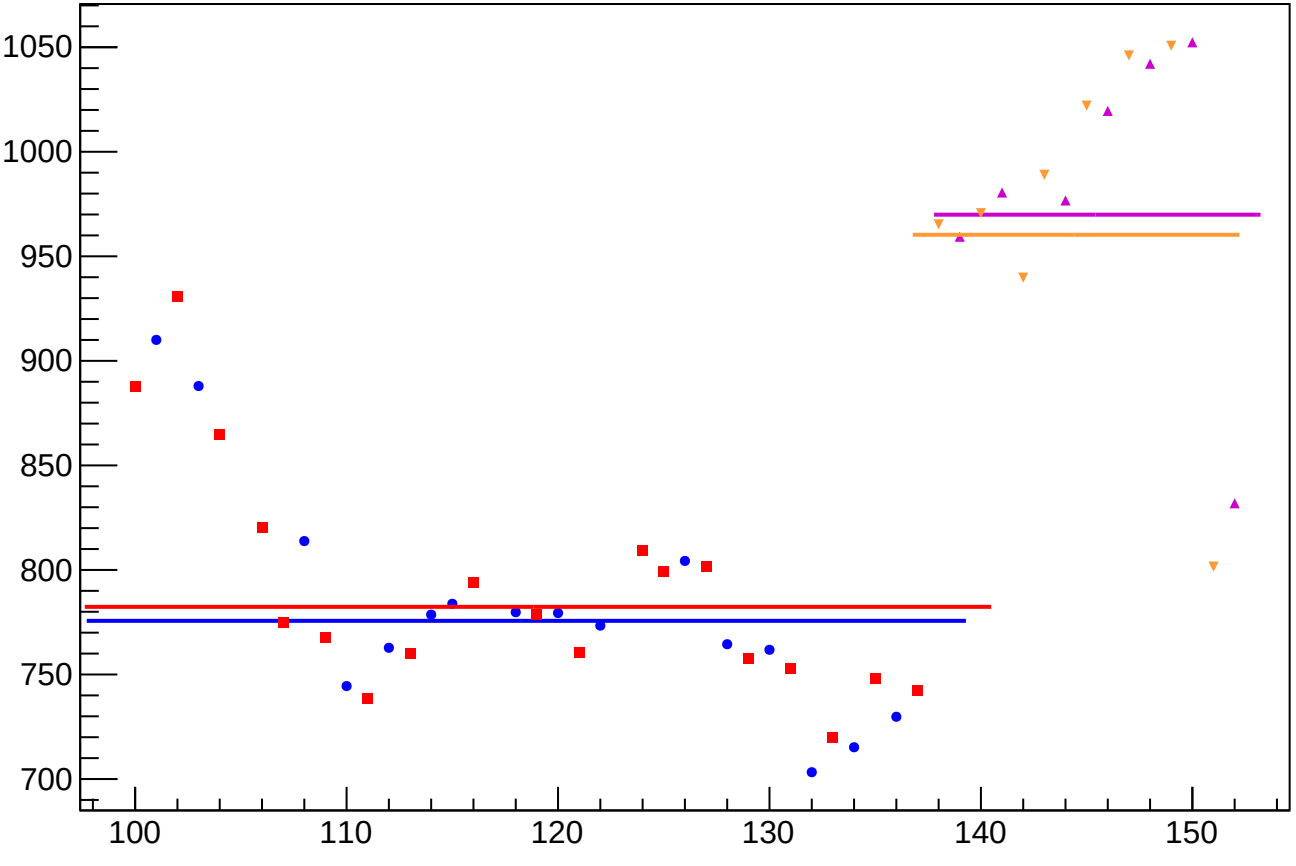
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 9.534+/-0.233 χ^2/NDF:26252.7/22

Out: -7.020+/-0.230 χ^2/NDF:17996.0/26

All: 1.159+/-0.164 χ^2/NDF: 46807.0/49

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: 969.912+/-0.278 χ^2/NDF:71219.1/6

Left: 965.035+/-0.195 χ^2/NDF: 169418.5/14

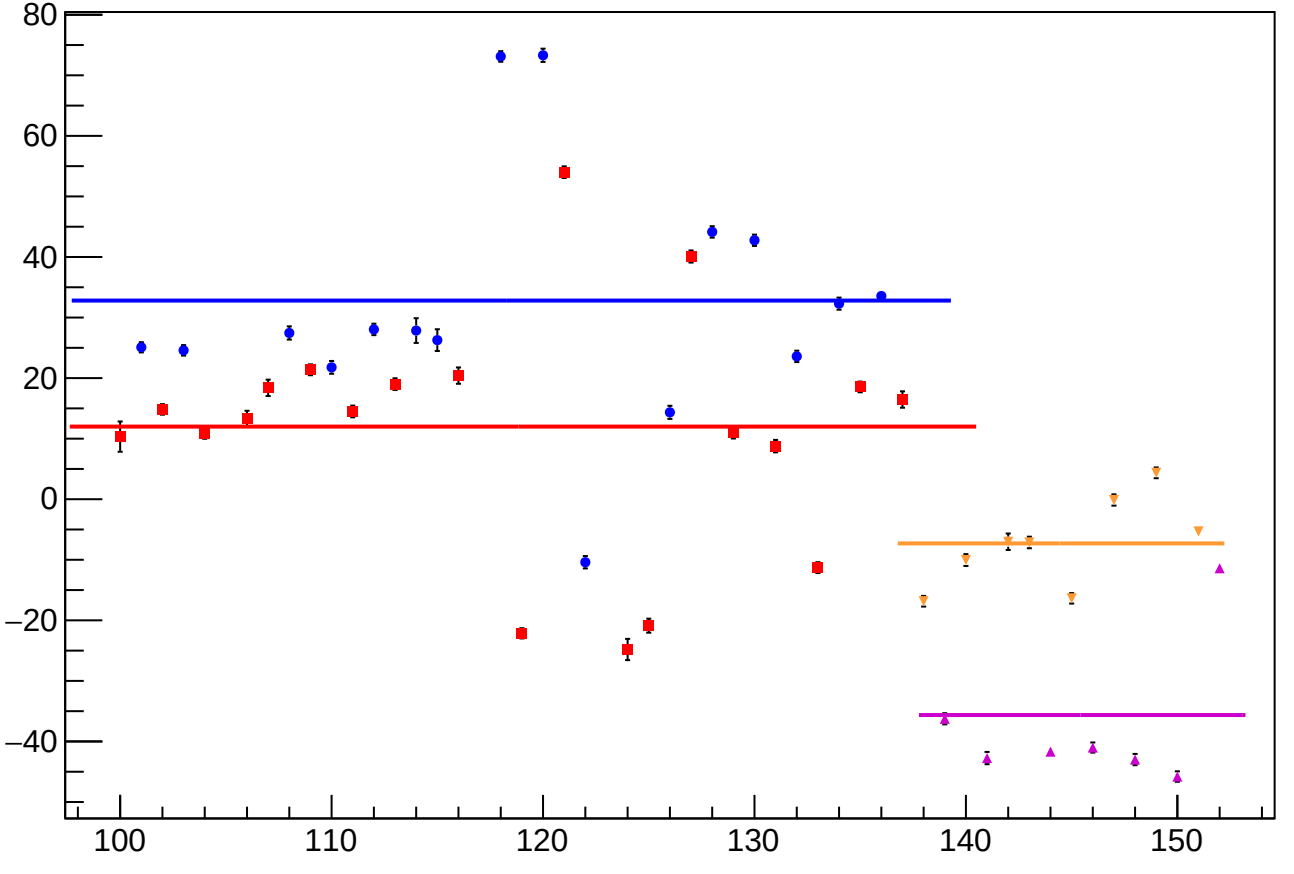
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 843.797+/-0.165 χ^2/NDF:463001.2/22

Out: 845.137+/-0.163 χ^2/NDF:435381.4/26

All: 844.475+/-0.116 χ^2/NDF: 898416.1/49

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: -35.639+/-0.324 χ^2/NDF:1471.6/6

Left: -21.249+/-0.228 χ^2/NDF: 5818.1/14

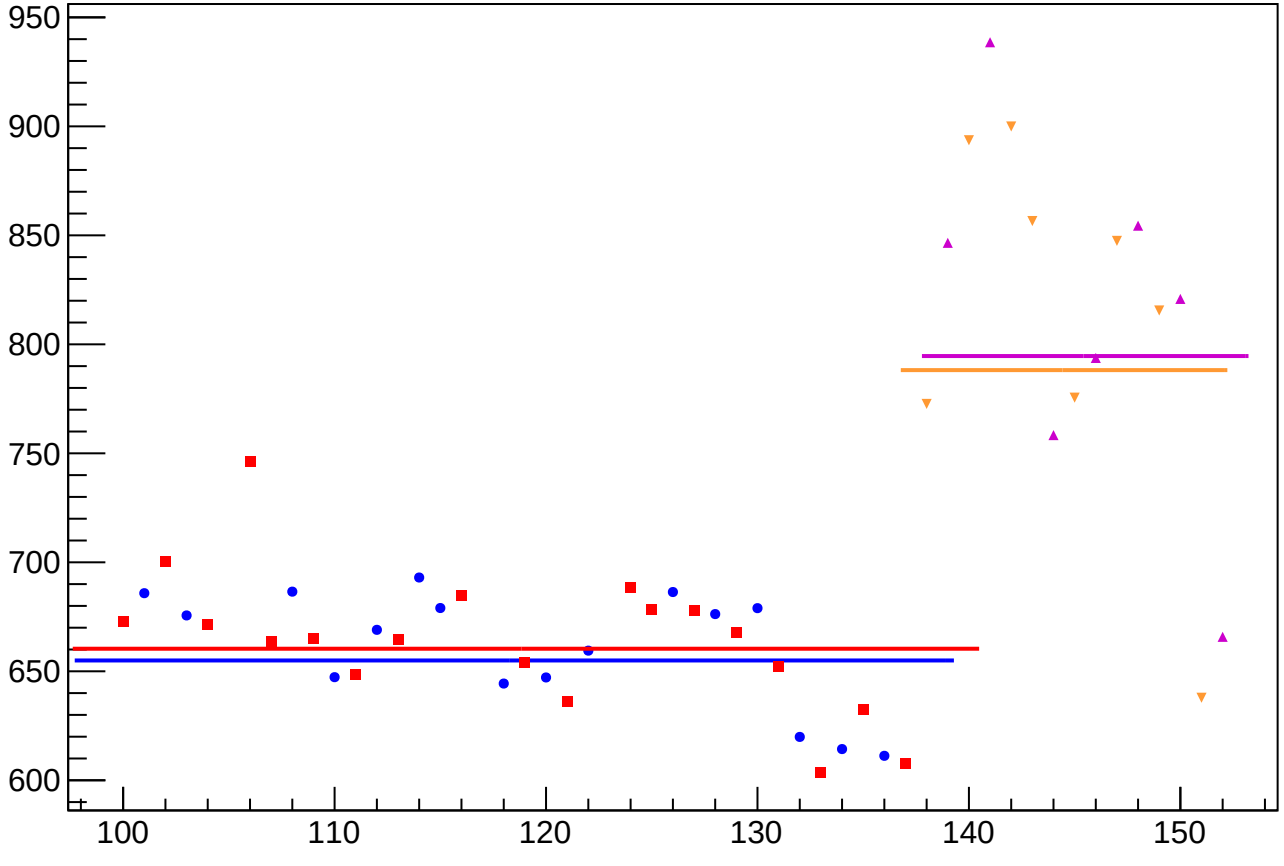
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 8.145+/-0.195 χ^2/NDF:36190.7/22

Out: 4.994+/-0.192 χ^2/NDF:9355.1/26

All: 6.551+/-0.137 χ^2/NDF: 45678.3/49

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: 794.625+/-0.229 χ^2/NDF:123996.6/6

Left: 791.348+/-0.161 χ^2/NDF: 276327.9/14

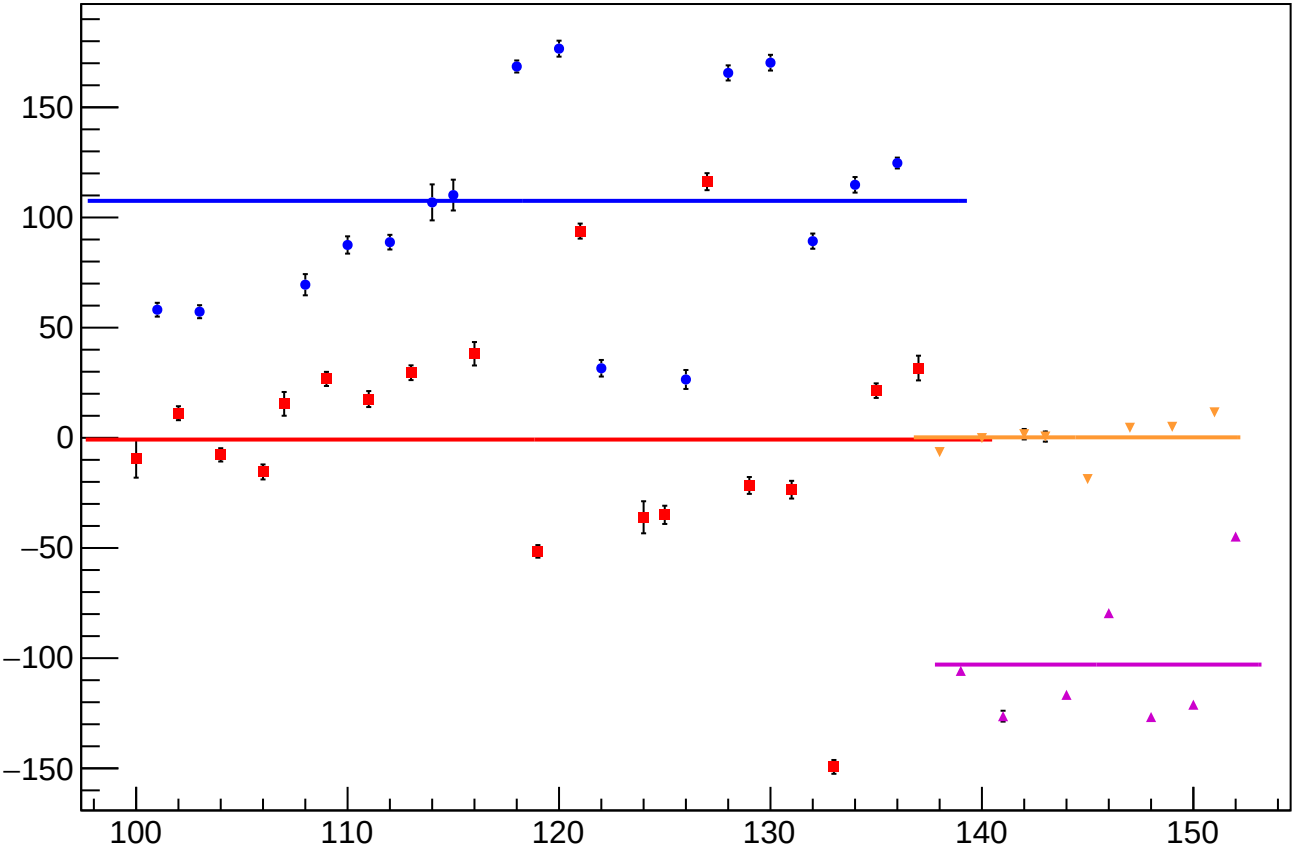
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 705.285+/-0.138 χ^2/NDF:387729.5/22

Out: 706.733+/-0.136 χ^2/NDF:386257.3/26

All: 706.018+/-0.097 χ^2/NDF: 774042.7/49

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: -102.915+/-0.709 χ^2/NDF:1437.4/6

Left: -51.616+/-0.503 χ^2/NDF: 12115.7/14

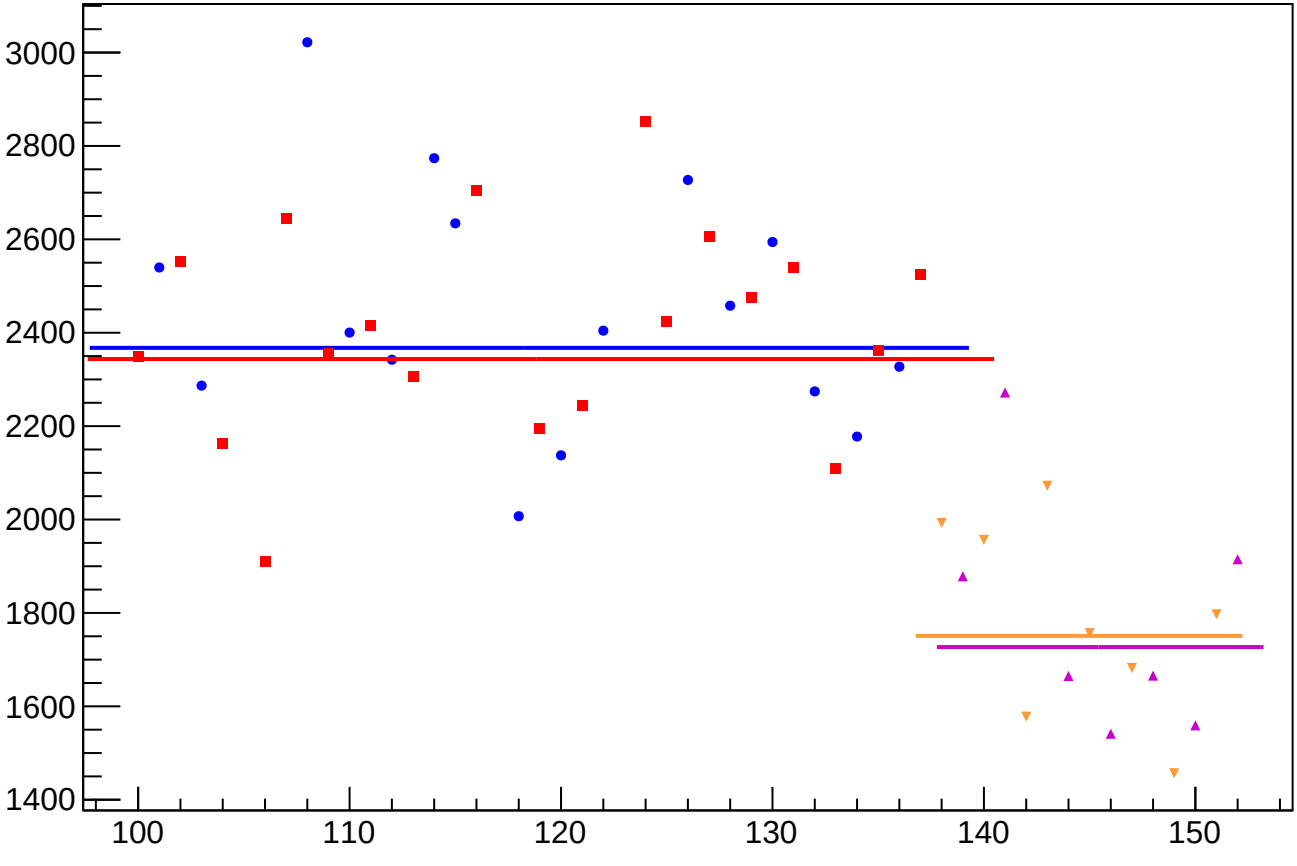
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -20.703+/-0.553 χ^2/NDF:38829.8/22

Out: -0.194+/-0.549 χ^2/NDF:4913.7/26

All: -10.365+/-0.390 χ^2/NDF: 44436.0/49

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: 1726.962+/-0.501 χ^2/NDF:176530.2/6

Left: 1738.853+/-0.355 χ^2/NDF: 339980.0/14

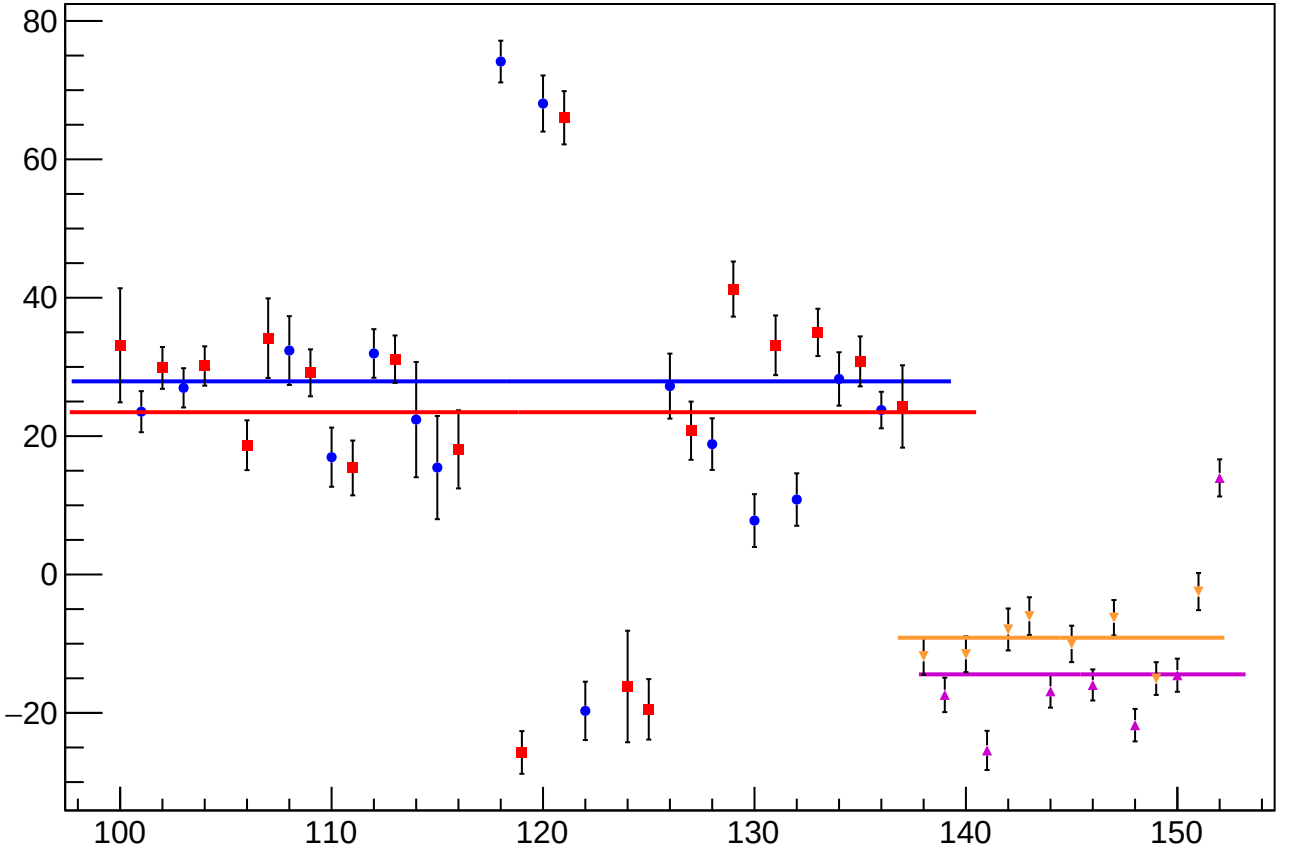
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 1977.223+/-0.391 χ^2/NDF:941511.1/22

Out: 1991.881+/-0.388 χ^2/NDF:837537.2/26

All: 1984.611+/-0.276 χ^2/NDF: 1779755.7/49

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: -14.431+/-0.929 χ^2/NDF:139.9/6

Left: -11.798+/-0.659 χ^2/NDF: 173.1/14

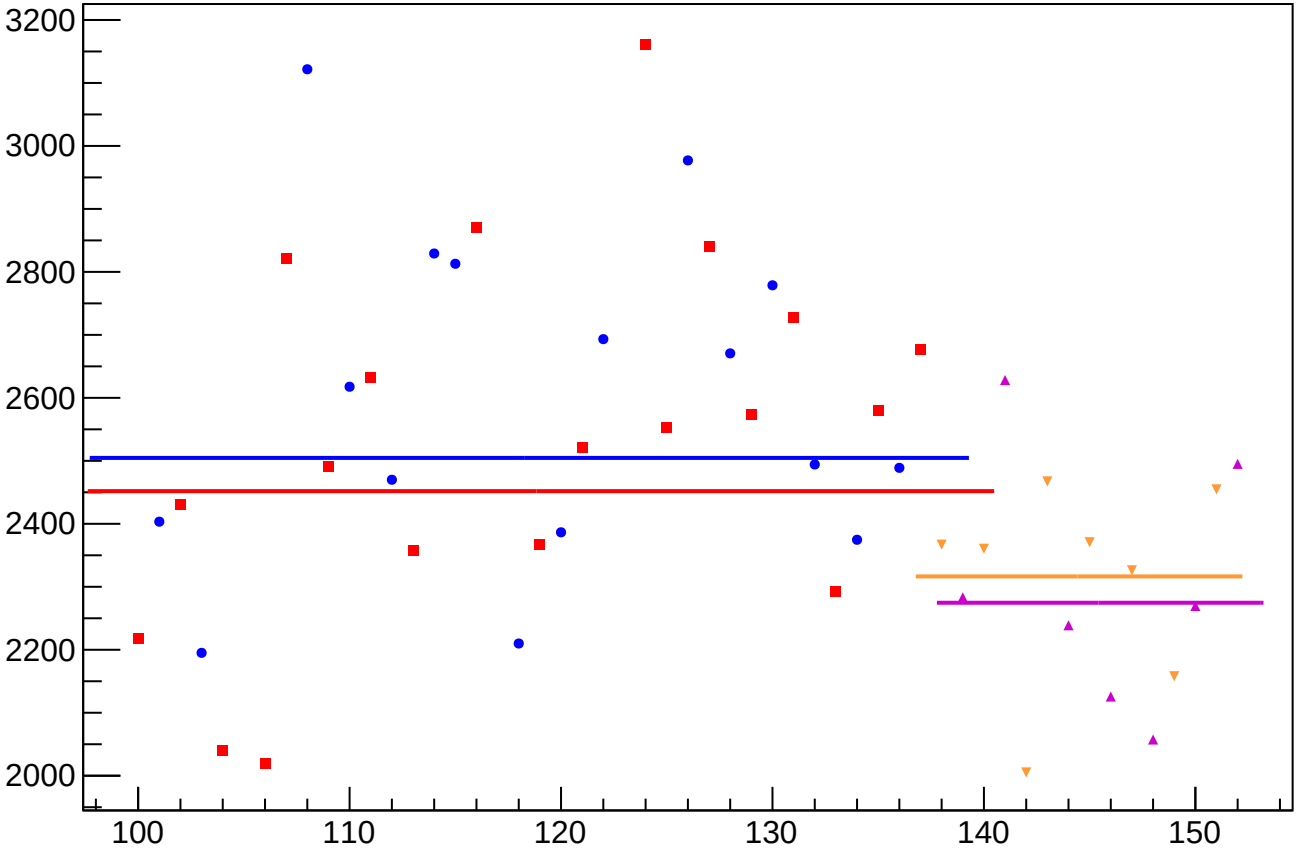
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 6.574+/-0.660 χ^2/NDF:1700.5/22

Out: 7.722+/-0.649 χ^2/NDF:1214.5/26

All: 7.157+/-0.463 χ^2/NDF: 2916.5/49

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: 2274.657+/-0.657 χ^2/NDF:71181.4/6

Left: 2295.454+/-0.466 χ^2/NDF: 116835.6/14

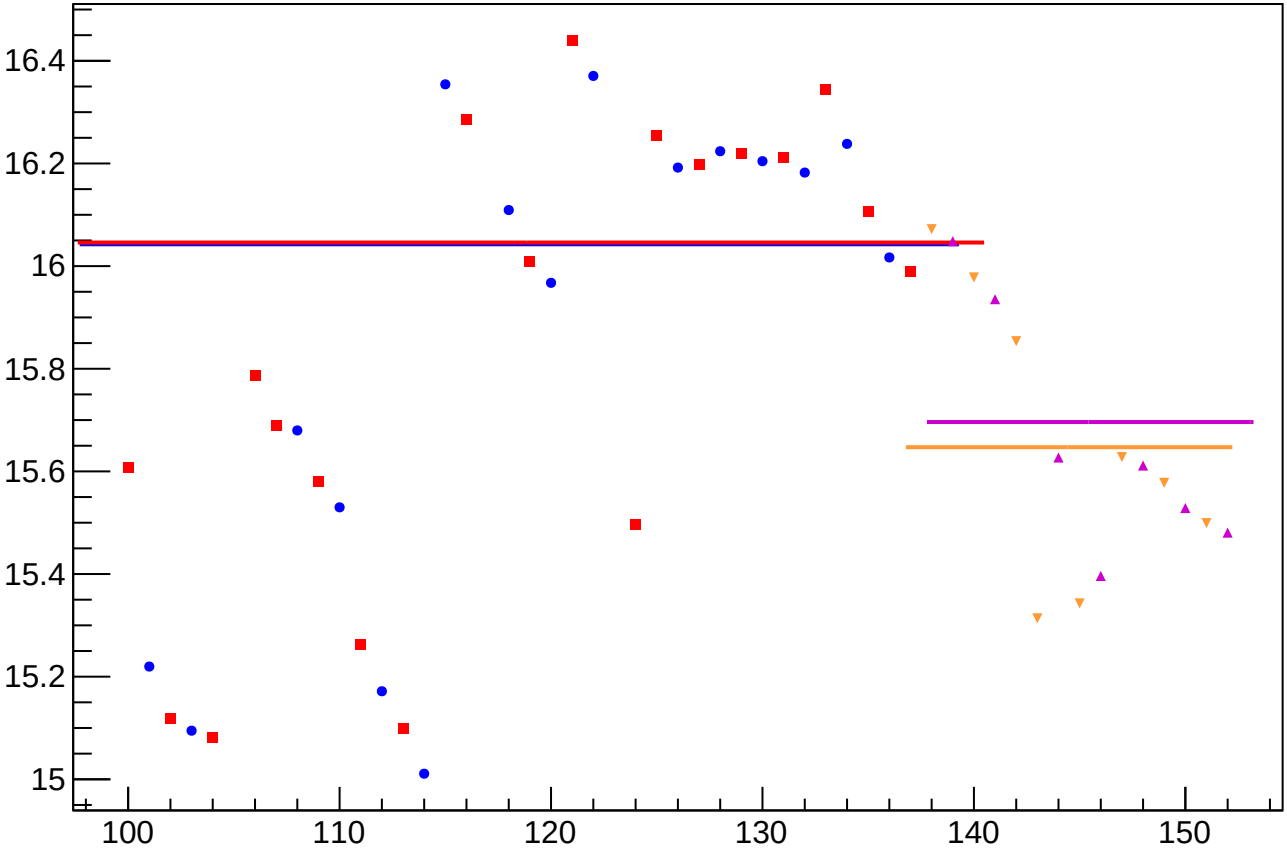
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2388.738+/-0.467 χ^2/NDF:258543.5/22

Out: 2386.513+/-0.459 χ^2/NDF:218604.4/26

All: 2387.608+/-0.327 χ^2/NDF: 477159.4/49

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: 15.696+/-0.000 χ^2/NDF:2244539241.3/6

Left: 15.670+/-0.000 χ^2/NDF: 6682935856.6/14

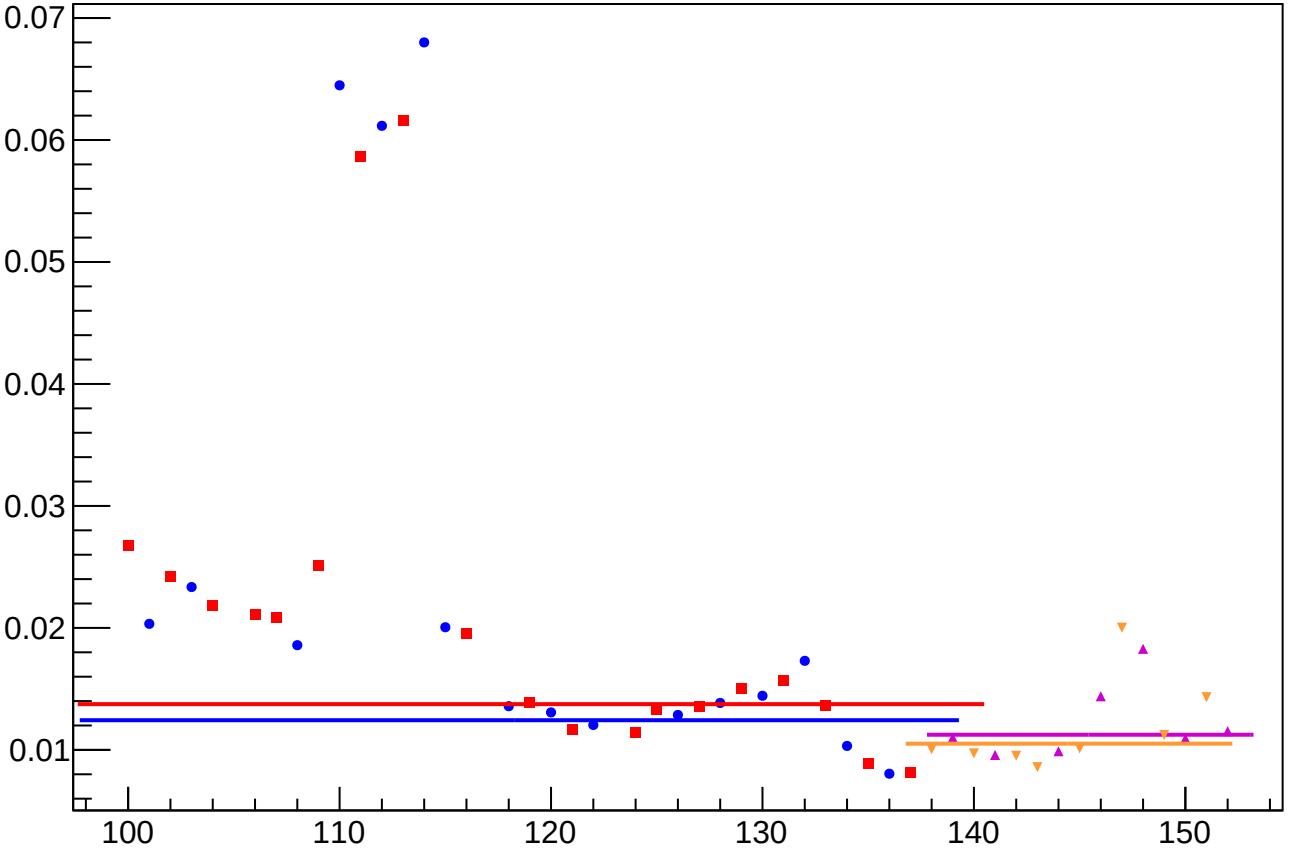
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.851+/-0.000 χ^2/NDF:7449568269.6/22

Out: 15.796+/-0.000 χ^2/NDF:10929749942.0/26

All: 15.823+/-0.000 χ^2/NDF: 18498737496.1

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:396487.1/6

Left: 0.011+/-0.000 χ^2/NDF: 1000866.0/14

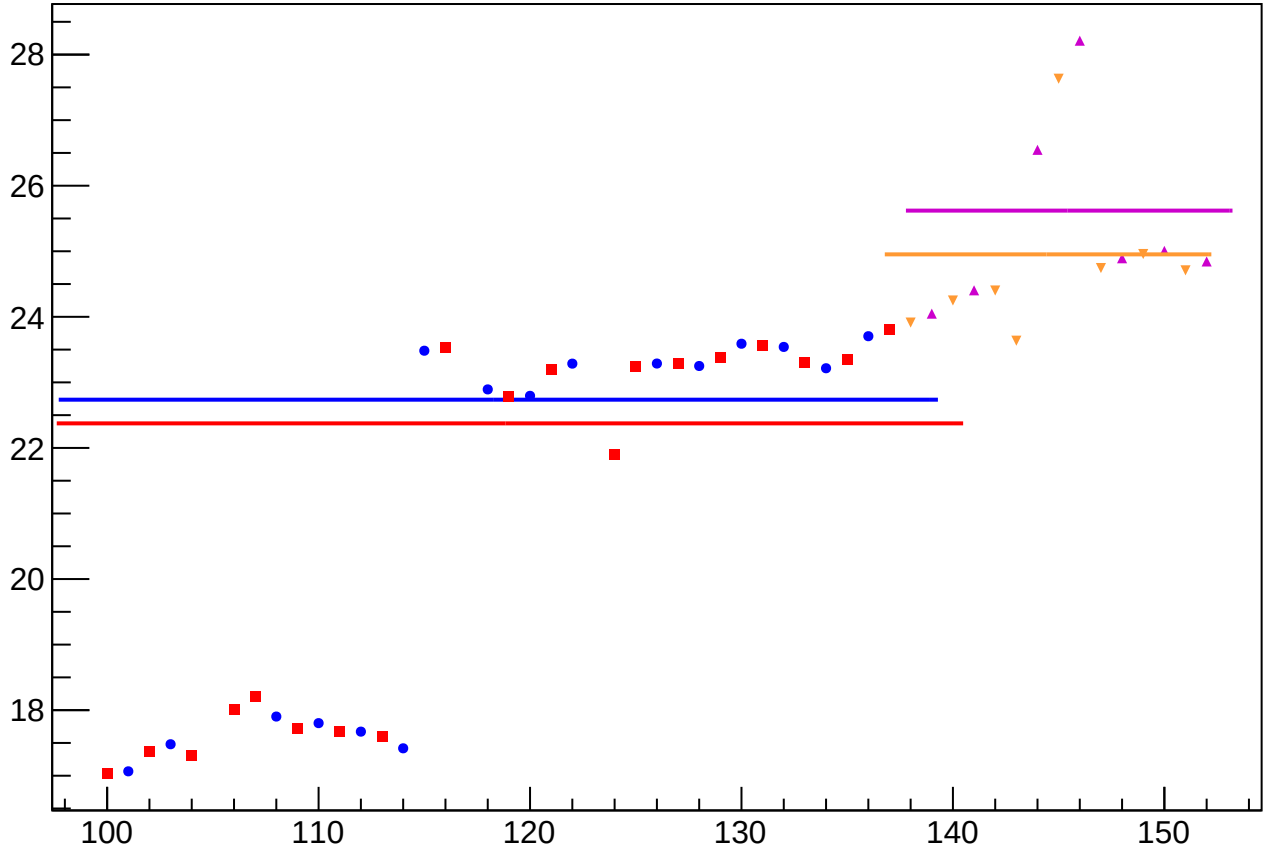
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2769024.1/22

Out: 0.012+/-0.000 χ^2/NDF:3205245.7/26

All: 0.012+/-0.000 χ^2/NDF: 5974495.2/49

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: 25.620+/-0.000 χ^2/NDF:633041631.3/6

Left: 25.267+/-0.000 χ^2/NDF: 1480593285.1/14

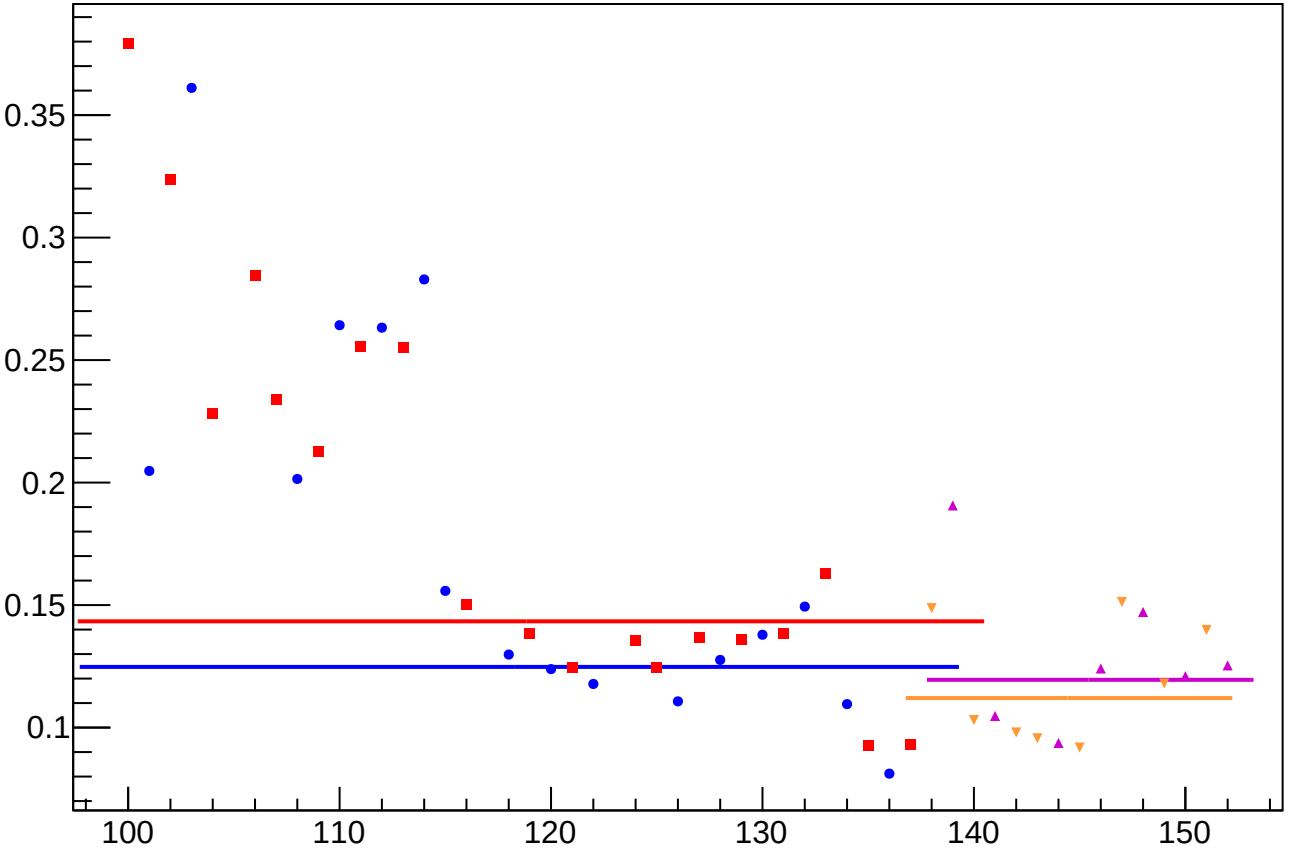
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.212+/-0.000 χ^2/NDF:3316421853.4/22

Out: 23.900+/-0.000 χ^2/NDF:3077347773.0/26

All: 24.058+/-0.000 χ^2/NDF: 6427626888.3/4

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:434466.4/6

Left: 0.116+/-0.000 χ^2/NDF: 832372.8/14

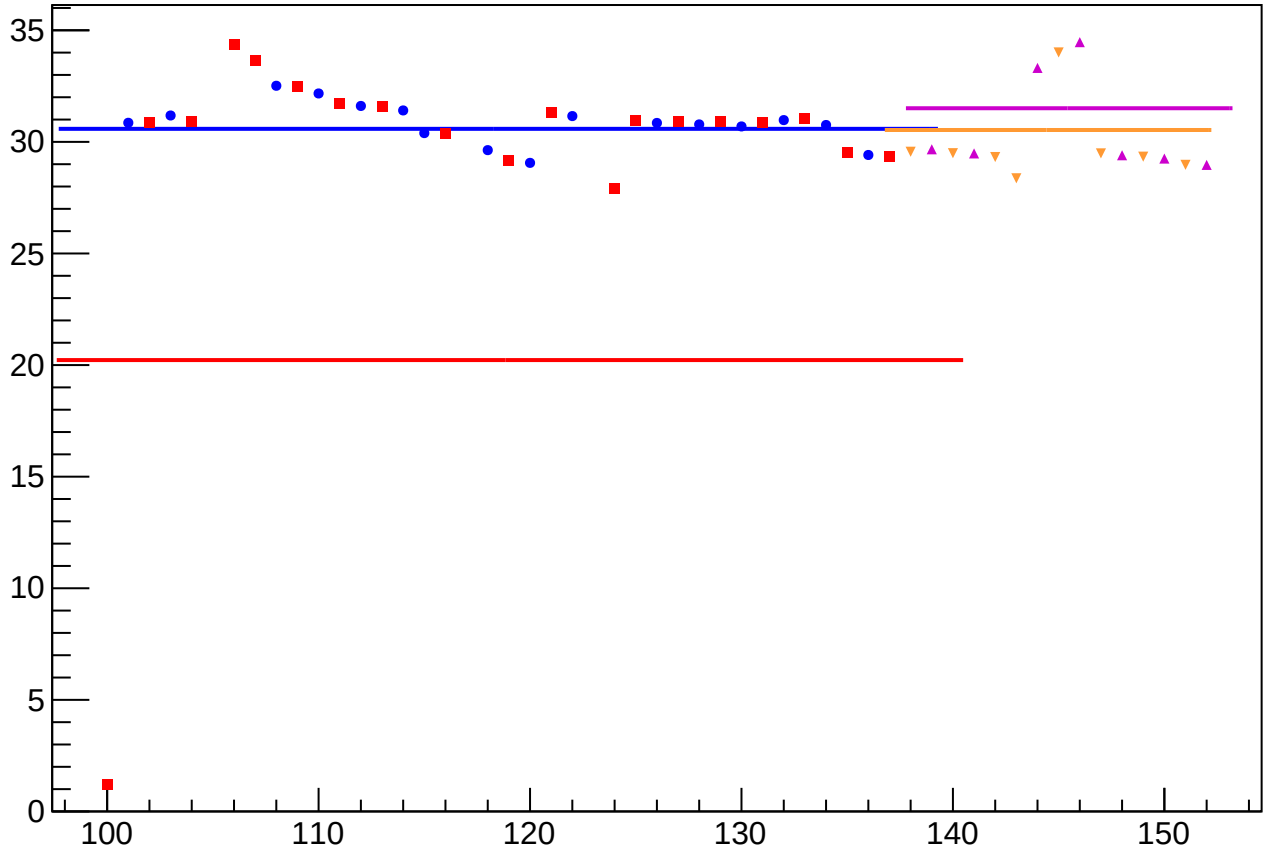
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.122+/-0.000 χ^2/NDF:2194056.6/22

Out: 0.125+/-0.000 χ^2/NDF:2271342.3/26

All: 0.123+/-0.000 χ^2/NDF: 4470738.1/49

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: 31.507+/-0.000 χ^2/NDF:5748692137.0/6

Left: 31.039+/-0.000 χ^2/NDF: 11069464896.7/14

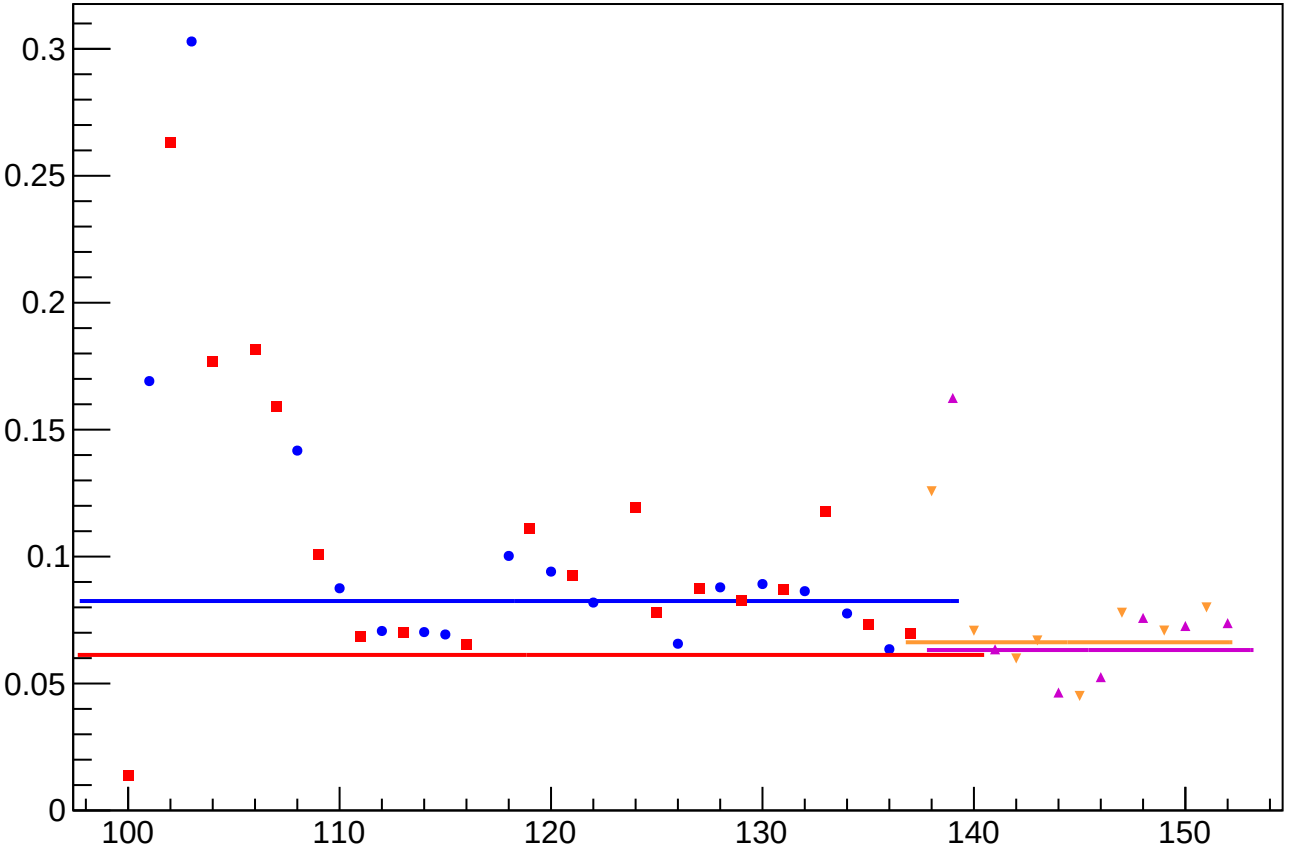
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.121+/-0.000 χ^2/NDF:6784048401.4/22

Out: 25.149+/-0.000 χ^2/NDF:281340640786.6/26

All: 27.957+/-0.000 χ^2/NDF: 323064354609.

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: 0.063+/-0.000 χ^2/NDF:921522.9/6

Left: 0.065+/-0.000 χ^2/NDF: 1560807.1/14

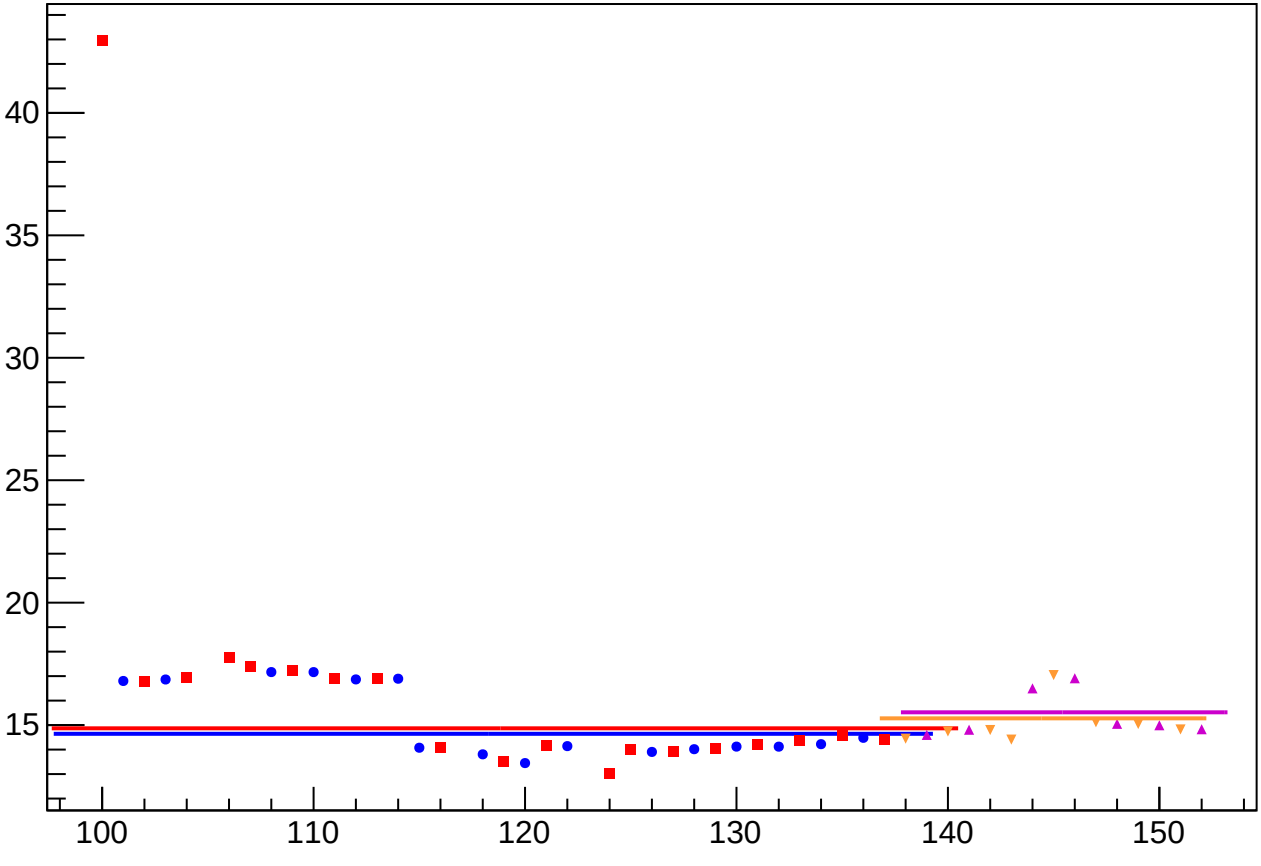
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.071+/-0.000 χ^2/NDF:2518414.5/22

Out: 0.064+/-0.000 χ^2/NDF:4669789.6/26

All: 0.067+/-0.000 χ^2/NDF: 7302148.1/49

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: 15.522+/-0.000 χ^2/NDF:747752695.6/6

Left: 15.396+/-0.000 χ^2/NDF: 1722337766.8/14

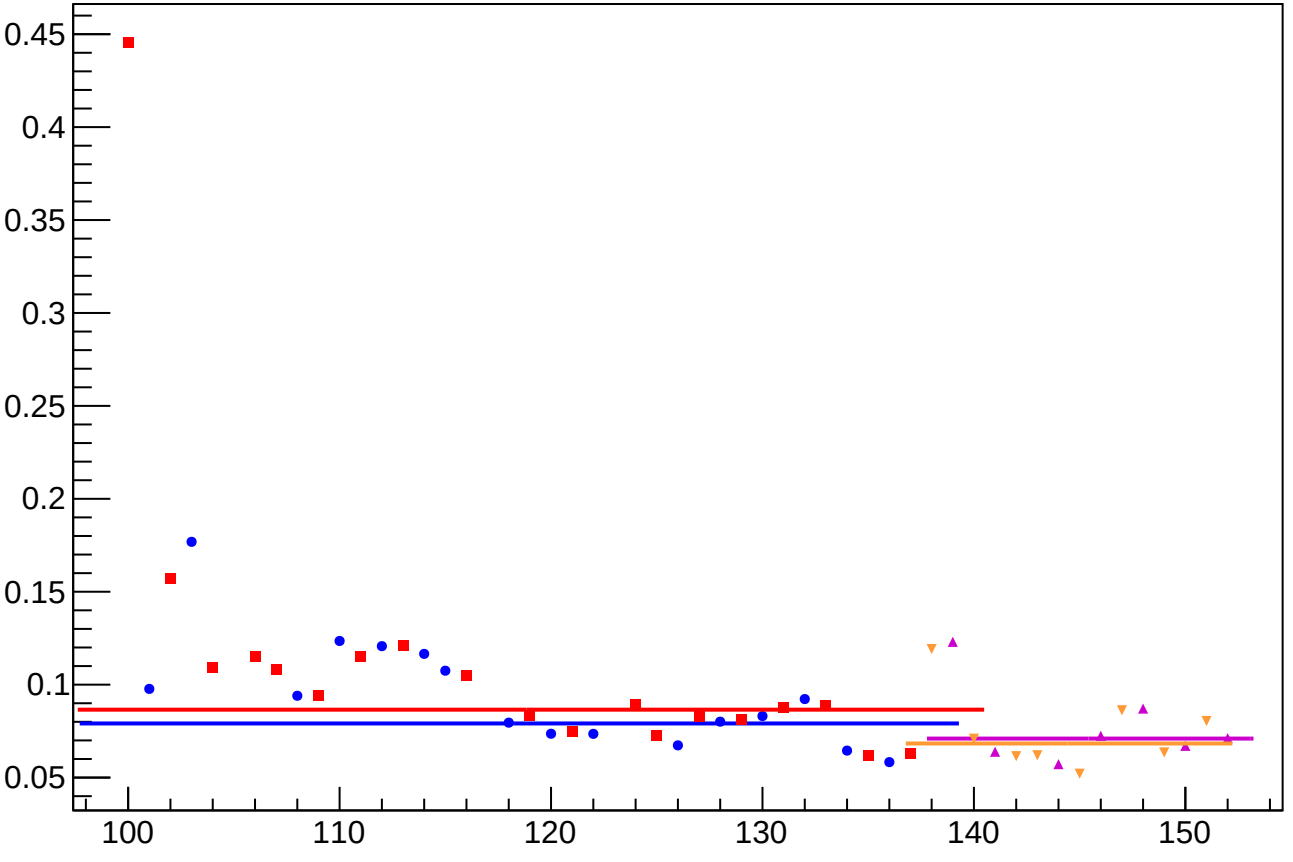
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.095+/-0.000 χ^2/NDF:2313001707.0/22

Out: 15.096+/-0.000 χ^2/NDF:2749922004.3/26

All: 15.096+/-0.000 χ^2/NDF: 5062924096.9/4

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:446493.6/6

Left: 0.070+/-0.000 χ^2/NDF: 962137.6/14

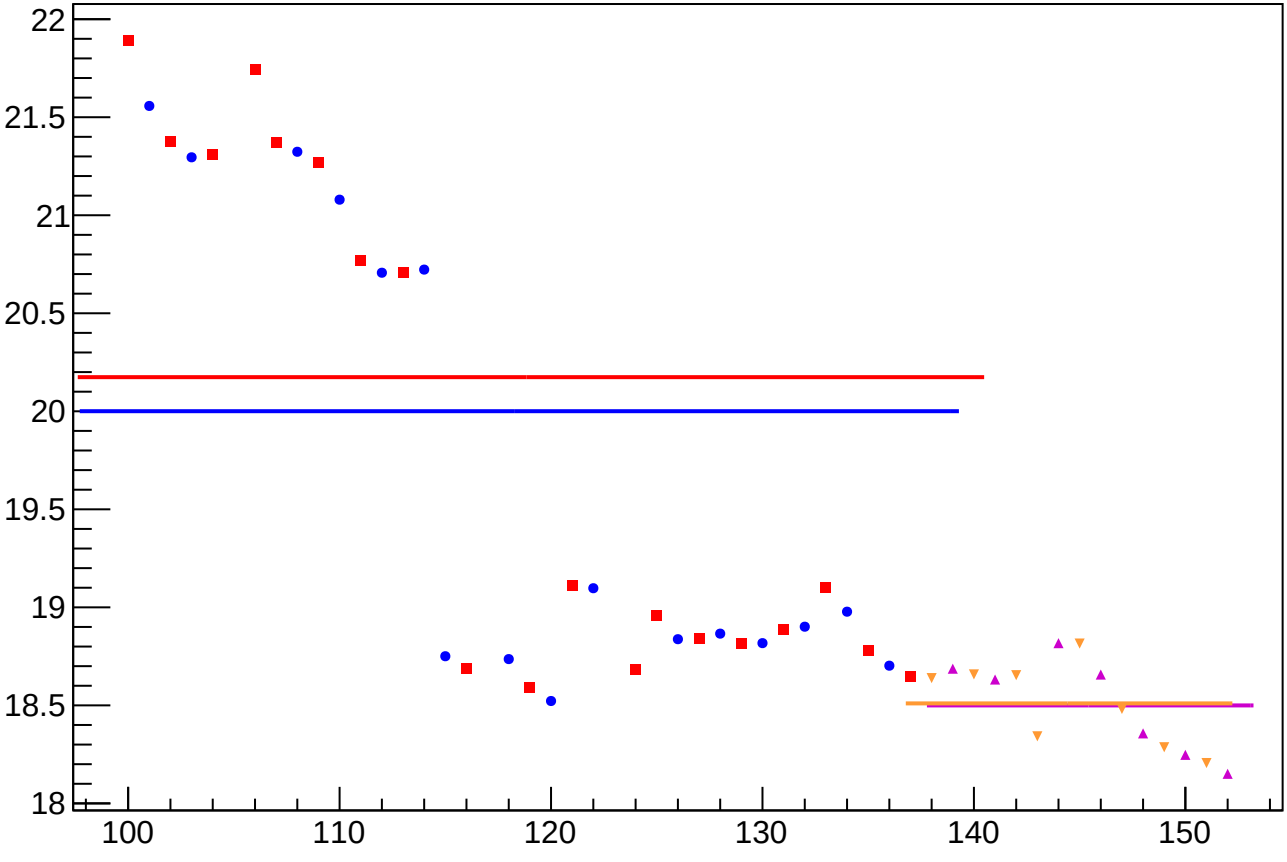
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.075+/-0.000 χ^2/NDF:1428518.6/22

Out: 0.076+/-0.000 χ^2/NDF:1605702.8/26

All: 0.076+/-0.000 χ^2/NDF: 3038083.6/49

yield_sam5_mean vs Slug, Sign Corrected



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: 18.500+/-0.000 χ^2/NDF:315311333.9/6

Left: 18.505+/-0.000 χ^2/NDF: 557805565.3/14

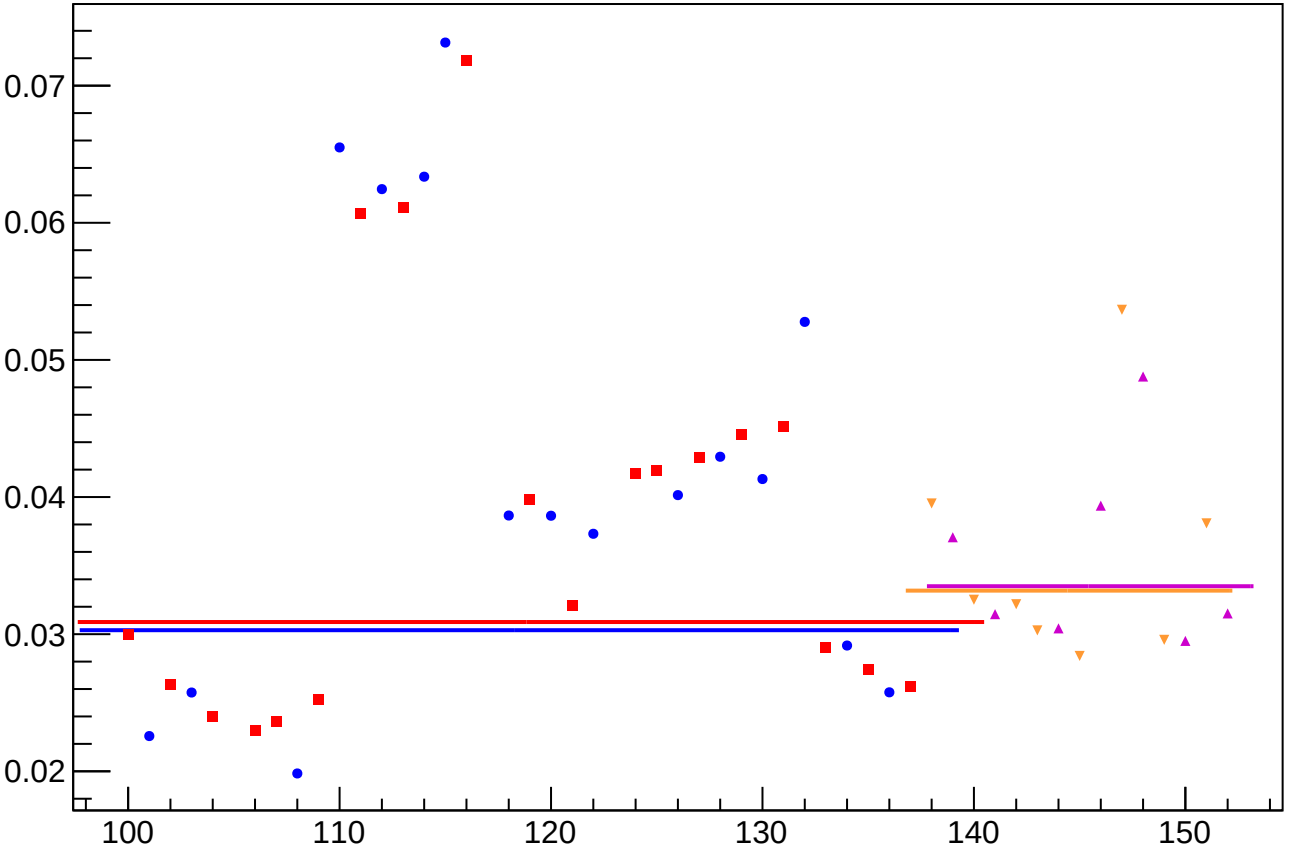
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.343+/-0.000 χ^2/NDF:17612183749.6/22

Out: 19.437+/-0.000 χ^2/NDF:18661071196.8/26

All: 19.390+/-0.000 χ^2/NDF: 36325690833.6

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: 0.033+/-0.000 χ^2/NDF:269551.2/6

Left: 0.033+/-0.000 χ^2/NDF: 651099.0/14

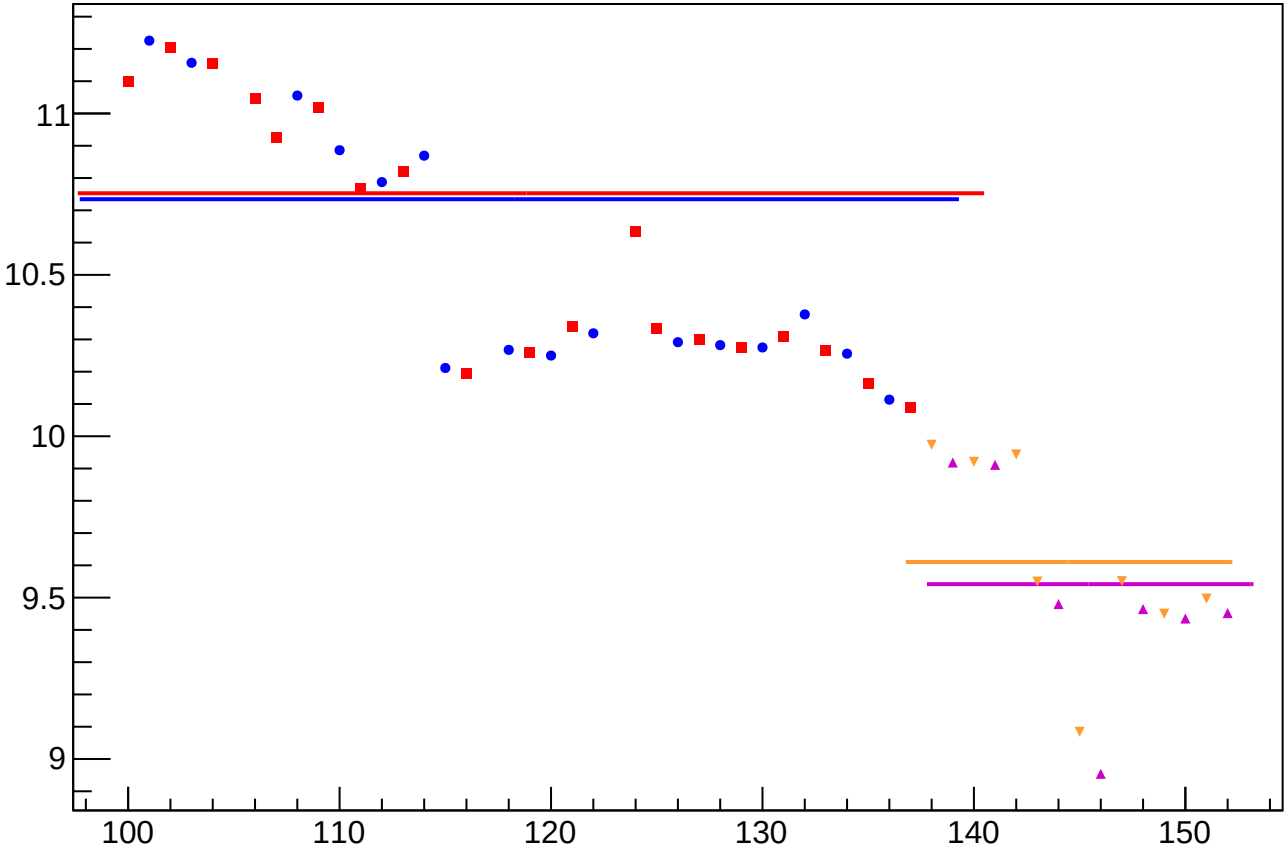
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.032+/-0.000 χ^2/NDF:1775521.2/22

Out: 0.032+/-0.000 χ^2/NDF:1616008.1/26

All: 0.032+/-0.000 χ^2/NDF: 3392014.1/49

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: 9.542+/-0.000 χ^2/NDF:966277770.3/6

Left: 9.578+/-0.000 χ^2/NDF: 2154496873.0/14

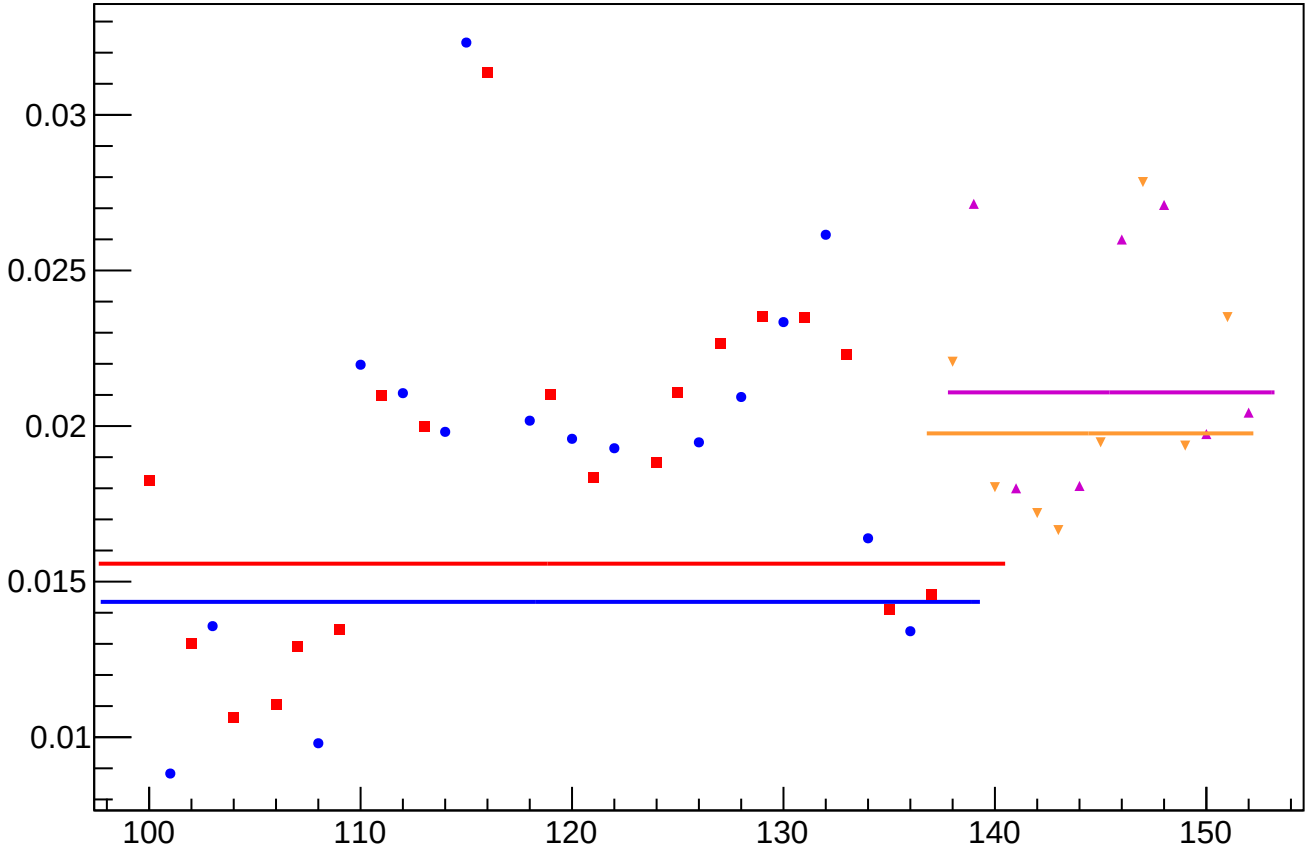
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.366+/-0.000 χ^2/NDF:18987298670.8/22

Out: 10.347+/-0.000 χ^2/NDF:17334438094.9/26

All: 10.356+/-0.000 χ^2/NDF: 36328905522.4

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:319159.6/6

Left: 0.020+/-0.000 χ^2/NDF: 613578.7/14

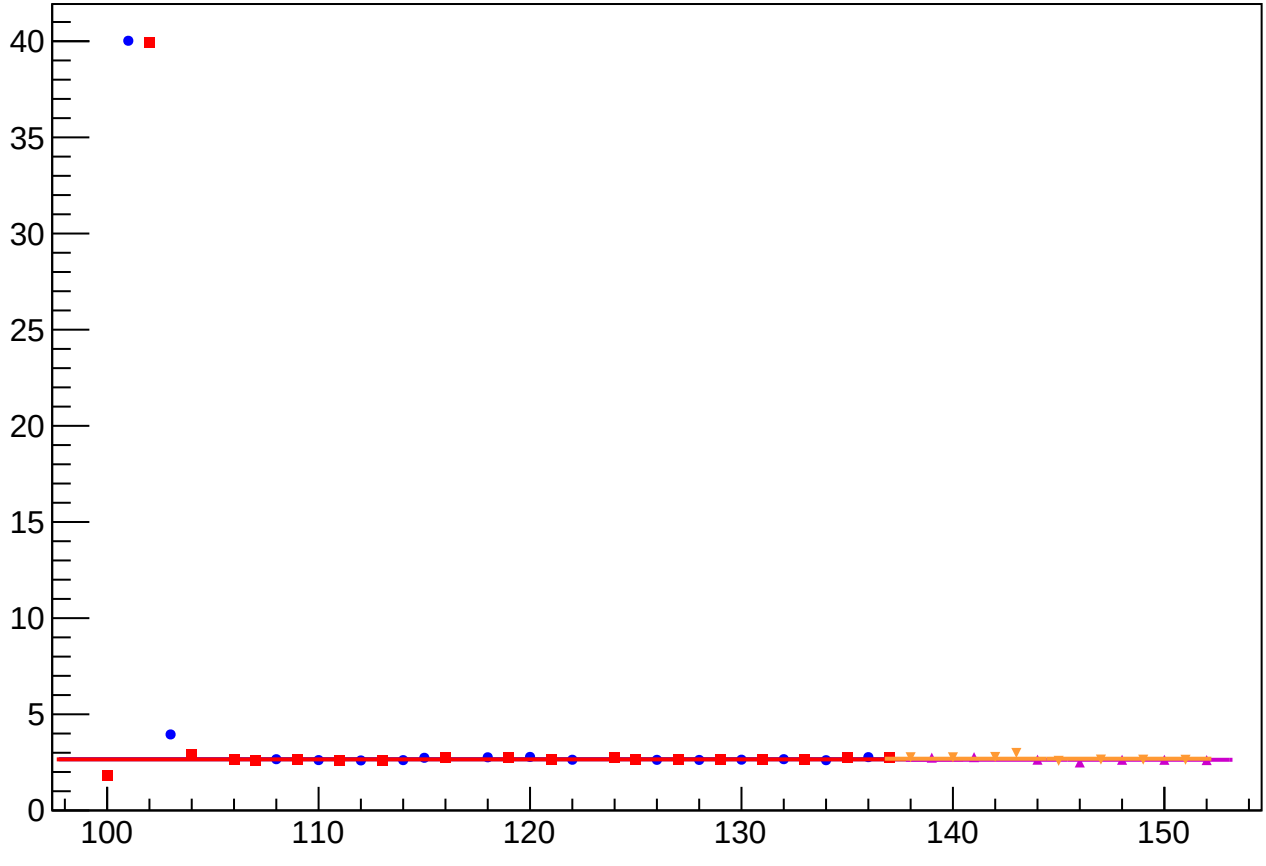
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.016+/-0.000 χ^2/NDF:2574657.4/22

Out: 0.017+/-0.000 χ^2/NDF:1661506.4/26

All: 0.017+/-0.000 χ^2/NDF: 4252189.8/49

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: 2.635+/-0.000 χ^2/NDF:7349275156.1/6

Left: 2.662+/-0.000 χ^2/NDF: 23870325580.6/14

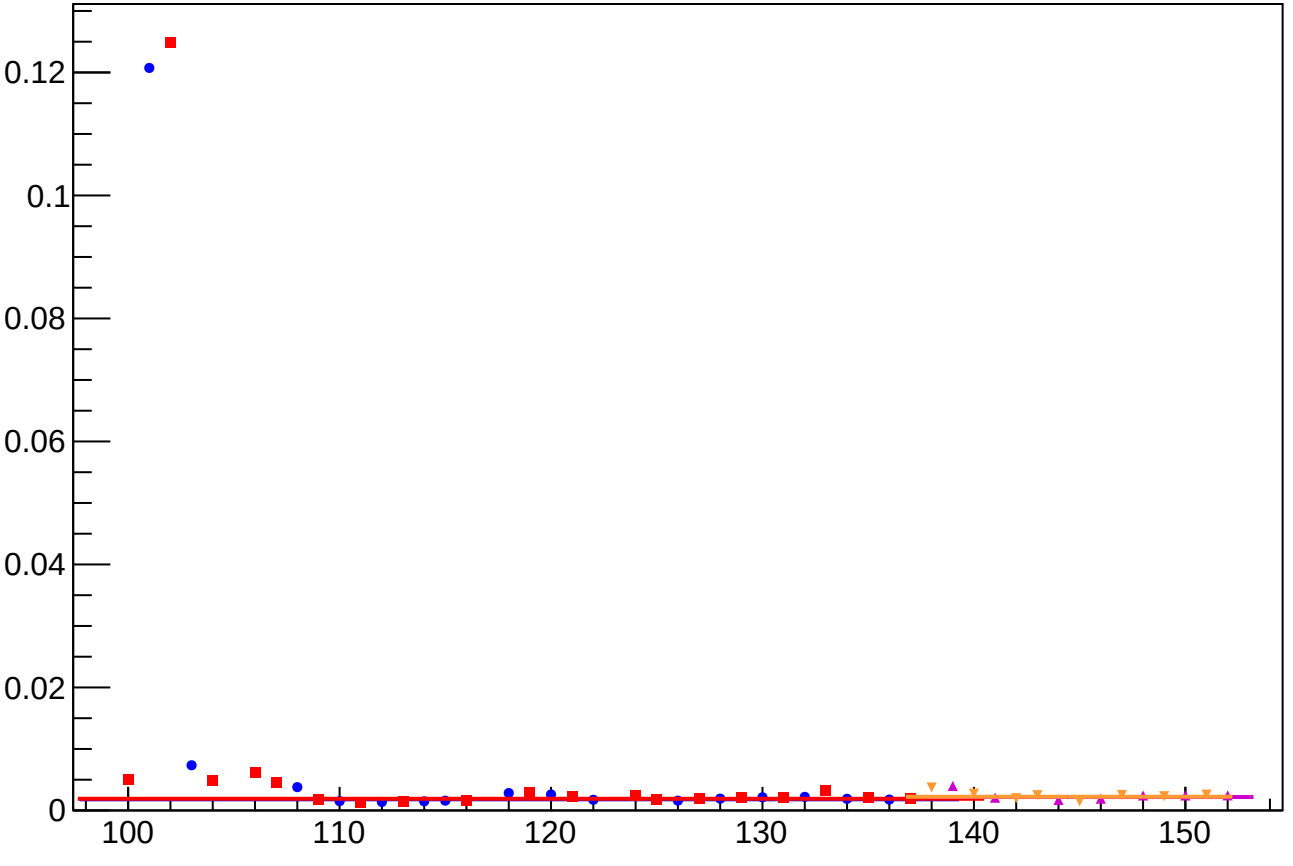
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.652+/-0.000 χ^2/NDF:75677883031.4/22

Out: 2.670+/-0.000 χ^2/NDF:80732058284.3/26

All: 2.661+/-0.000 χ^2/NDF: 156808565008.9

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:517823.0/6

Left: 0.002+/-0.000 χ^2/NDF: 1167406.6/14

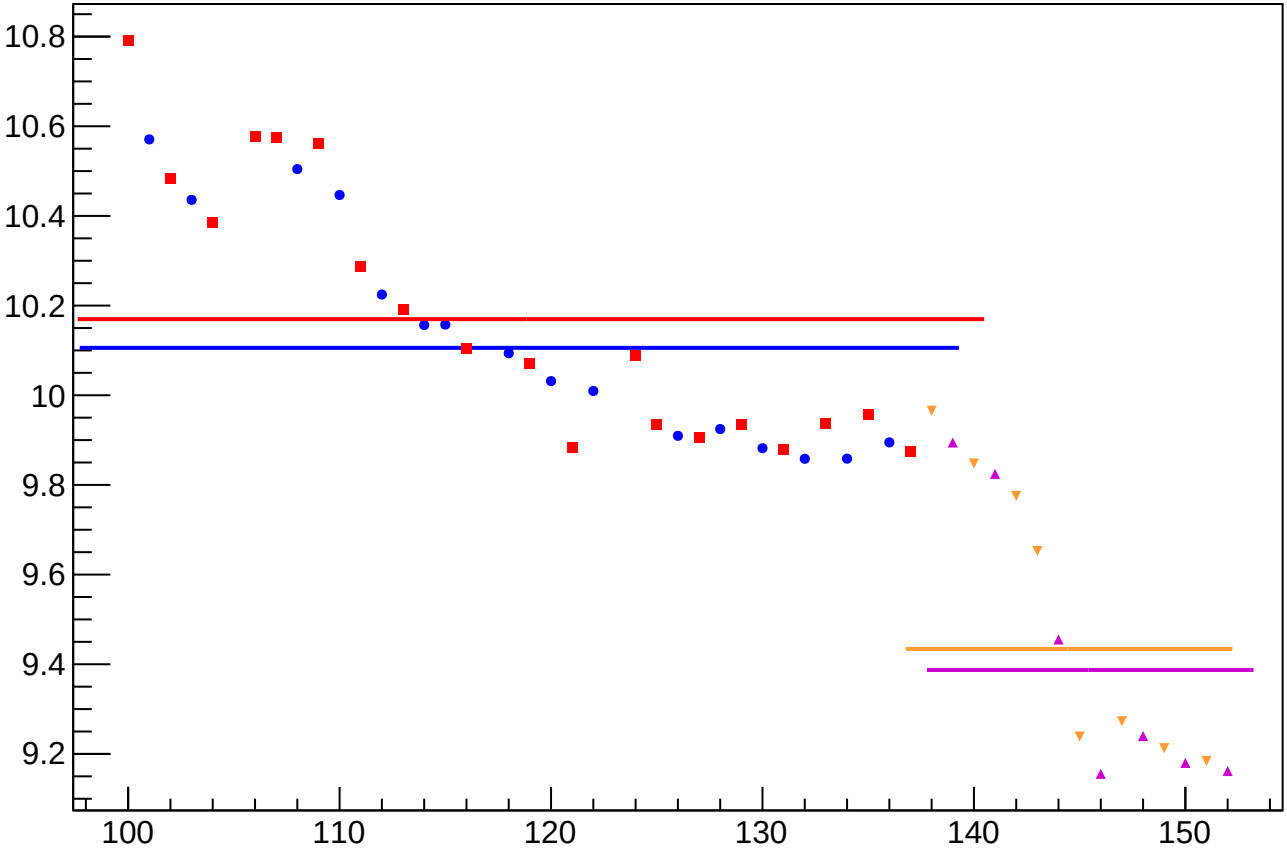
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2501598.4/22

Out: 0.002+/-0.000 χ^2/NDF:3296560.1/26

All: 0.002+/-0.000 χ^2/NDF: 5808891.3/49

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: 9.387+/-0.000 χ^2/NDF:7992151814.0/6

Left: 9.412+/-0.000 χ^2/NDF: 16468627395.1/14

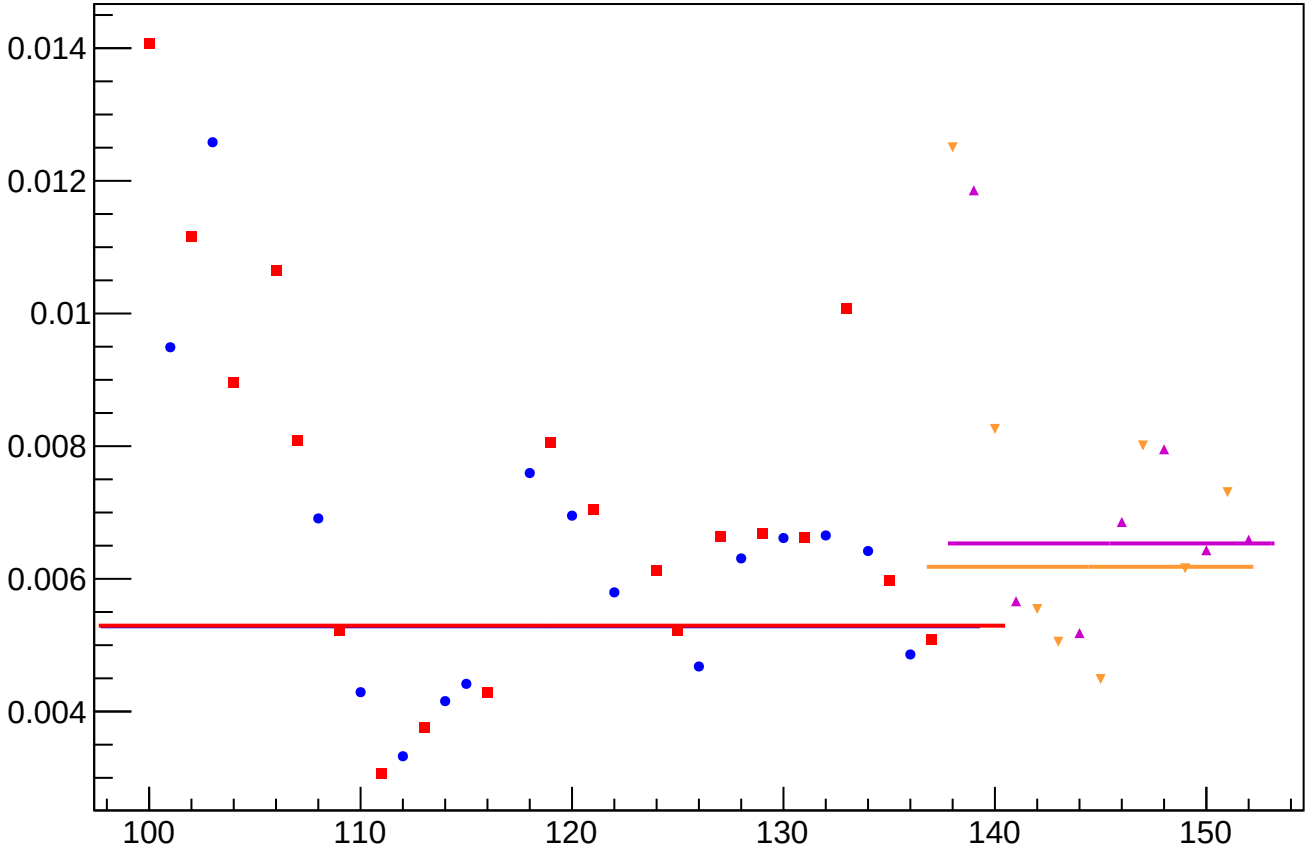
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.842+/-0.000 χ^2/NDF:53771554124.9/22

Out: 9.890+/-0.000 χ^2/NDF:57976632529.0/26

All: 9.867+/-0.000 χ^2/NDF: 112109067174.4

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:779988.6/7

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.007+/-0.000 χ^2/NDF:486010.0/6

Left: 0.006+/-0.000 χ^2/NDF: 1280420.2/14

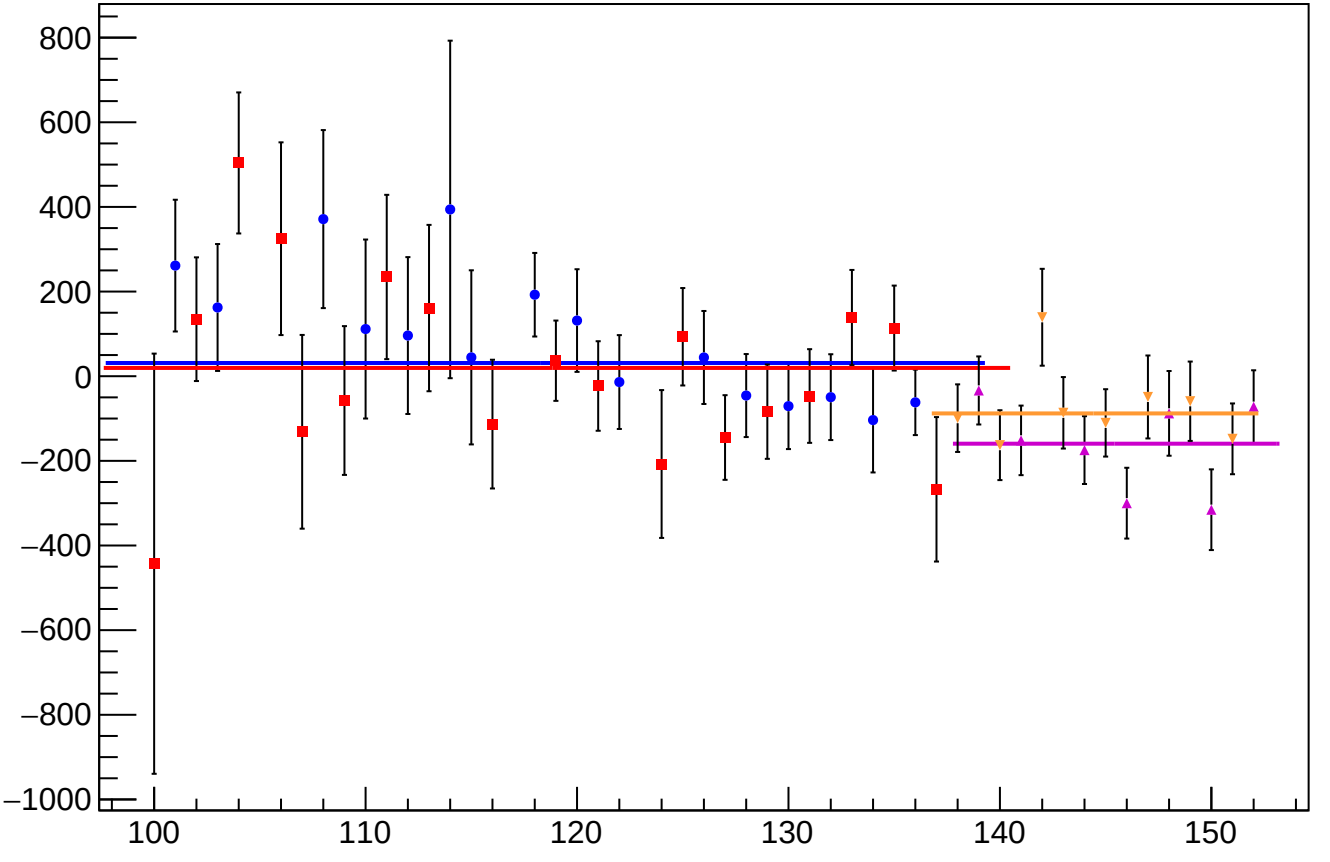
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:1981691.8/22

Out: 0.006+/-0.000 χ^2/NDF:2690124.2/26

All: 0.006+/-0.000 χ^2/NDF: 4675694.5/49

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: -159.449+/-32.505 χ^2/NDF:9.5/6

Left: -122.020+/-22.443 χ^2/NDF: 17.7/14

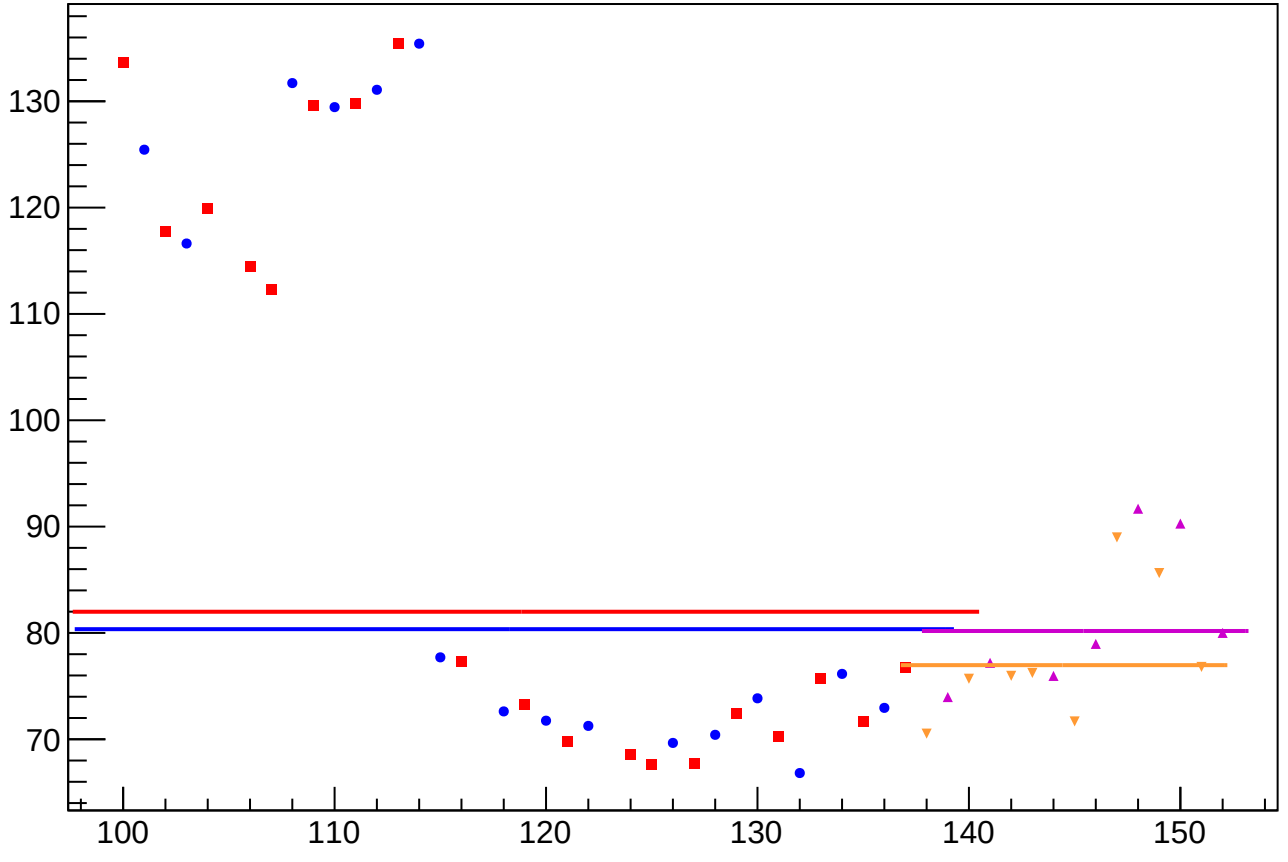
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -58.924+/-22.352 χ^2/NDF:42.8/22

Out: -34.231+/-21.950 χ^2/NDF:37.5/26

All: -46.354+/-15.661 χ^2/NDF: 80.9/49

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: 80.183+/-0.023 χ^2/NDF:69435.9/6

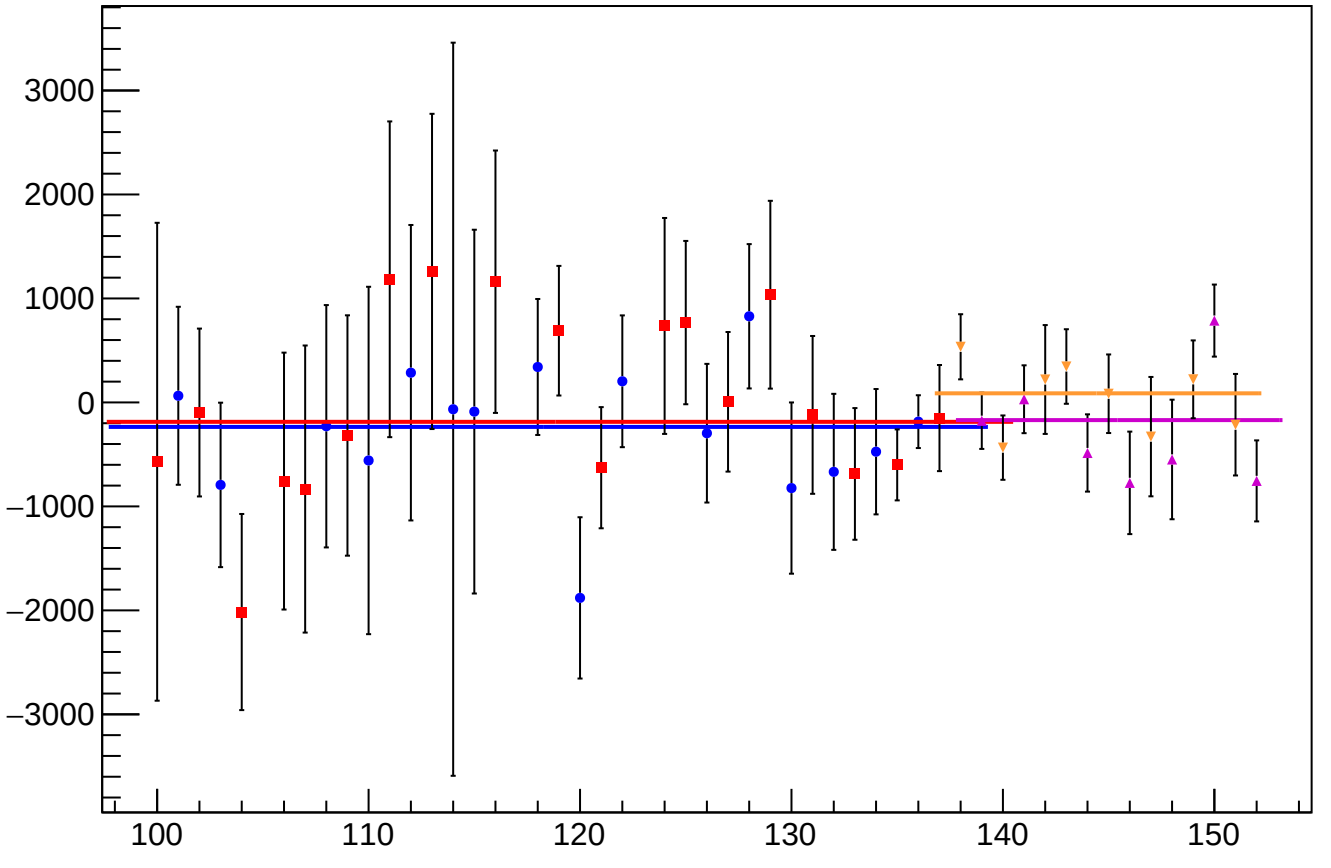
Left: 78.502+/-0.016 χ^2/NDF: 149426.1/14

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 80.273+/-0.016 χ^2/NDF:909504.6/22

Out: 79.479+/-0.016 χ^2/NDF:1028284.9/26

All: 79.869+/-0.011 χ^2/NDF: 1939074.9/49



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: -170.090+/-138.238 χ^2/NDF:12.9/6

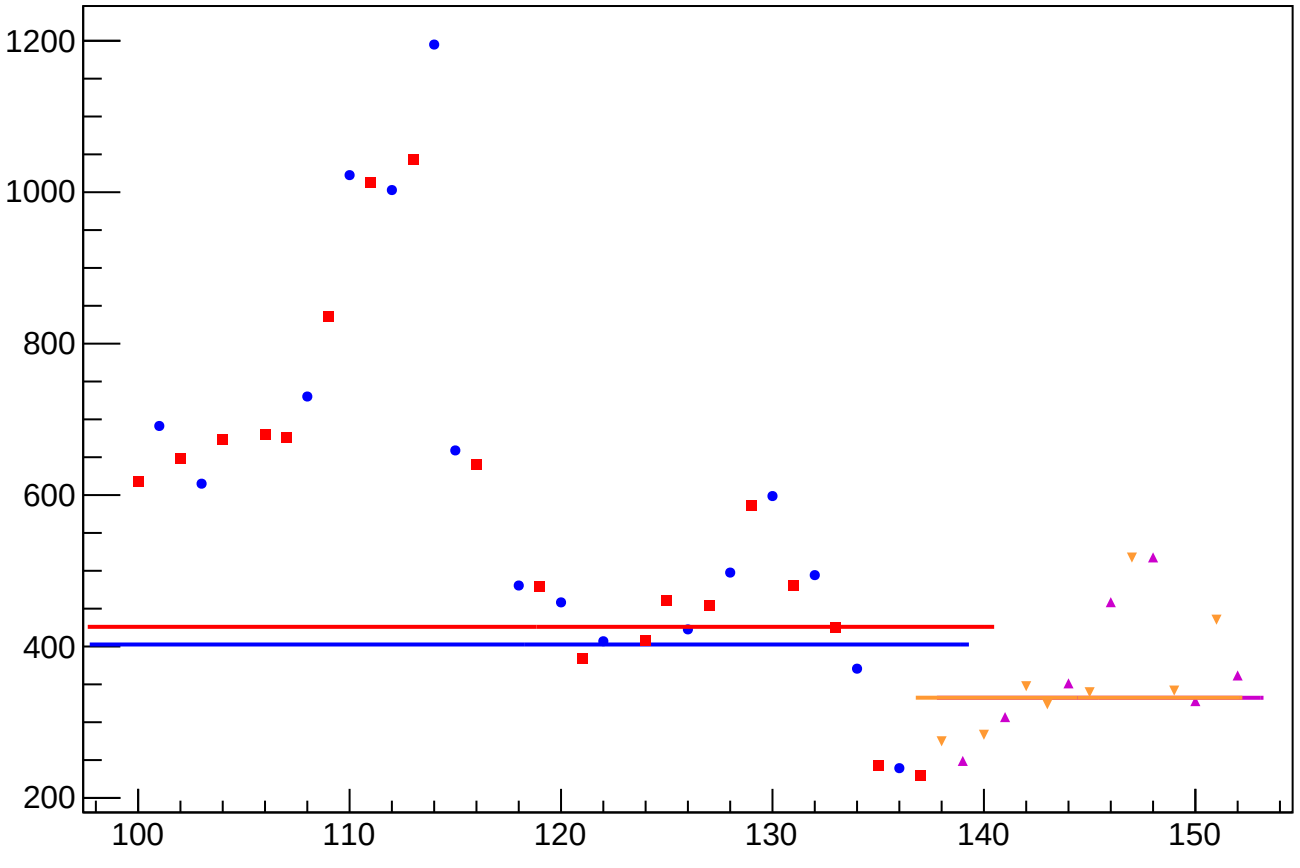
Left: -39.932+/-97.235 χ^2/NDF: 21.2/14

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -197.314+/-105.635 χ^2/NDF:23.0/22

Out: -19.917+/-106.673 χ^2/NDF:24.0/26

All: -109.483+/-75.059 χ^2/NDF: 48.4/49



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: 332.285+/-0.098 χ^2/NDF:558197.5/6

Left: 332.335+/-0.069 χ^2/NDF: 977721.2/14

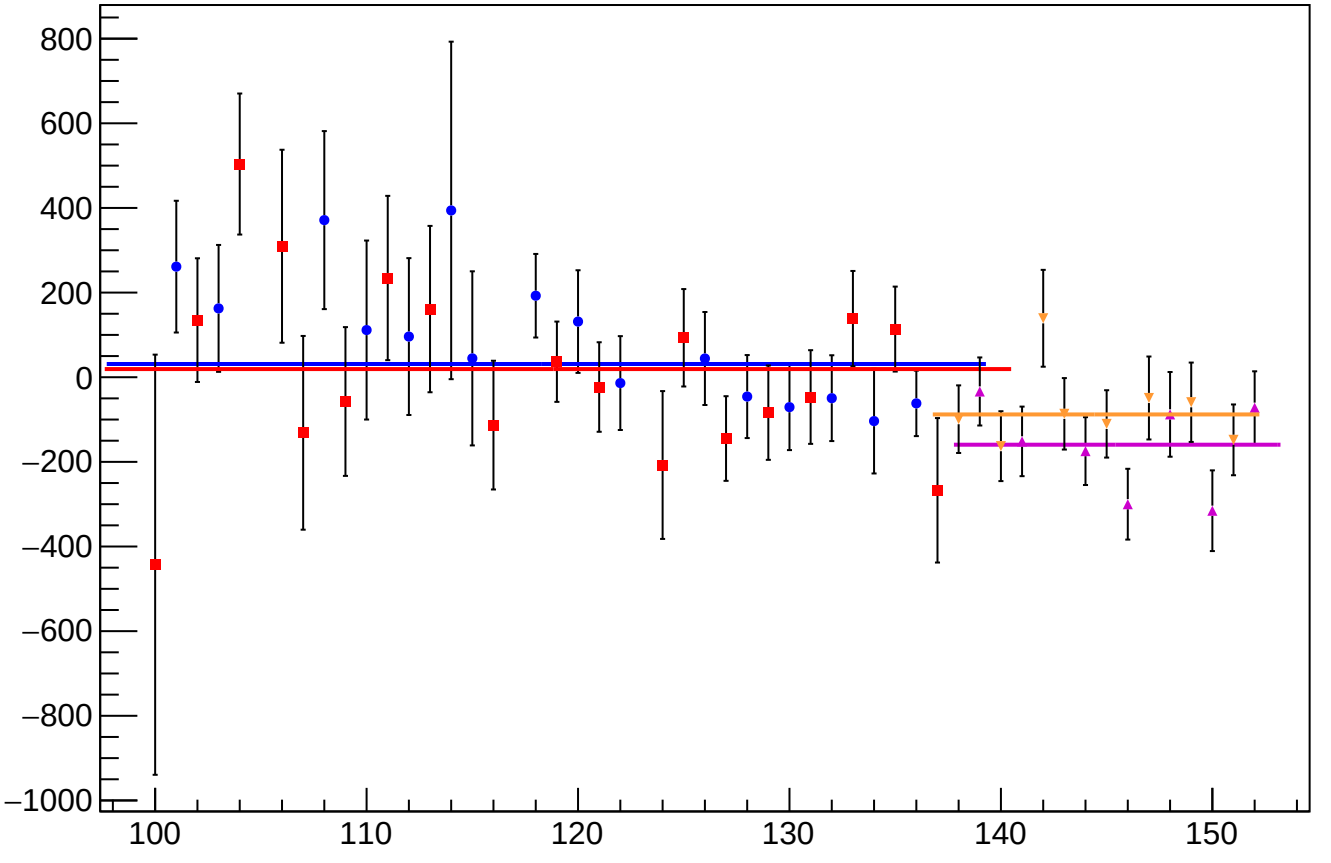
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 361.565+/-0.075 χ^2/NDF:3133944.4/22

Out: 369.066+/-0.075 χ^2/NDF:3155256.4/26

All: 365.279+/-0.053 χ^2/NDF: 6294193.8/49

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: -159.450+/-32.505 χ^2/NDF:9.5/6

Left: -122.021+/-22.443 χ^2/NDF: 17.7/14

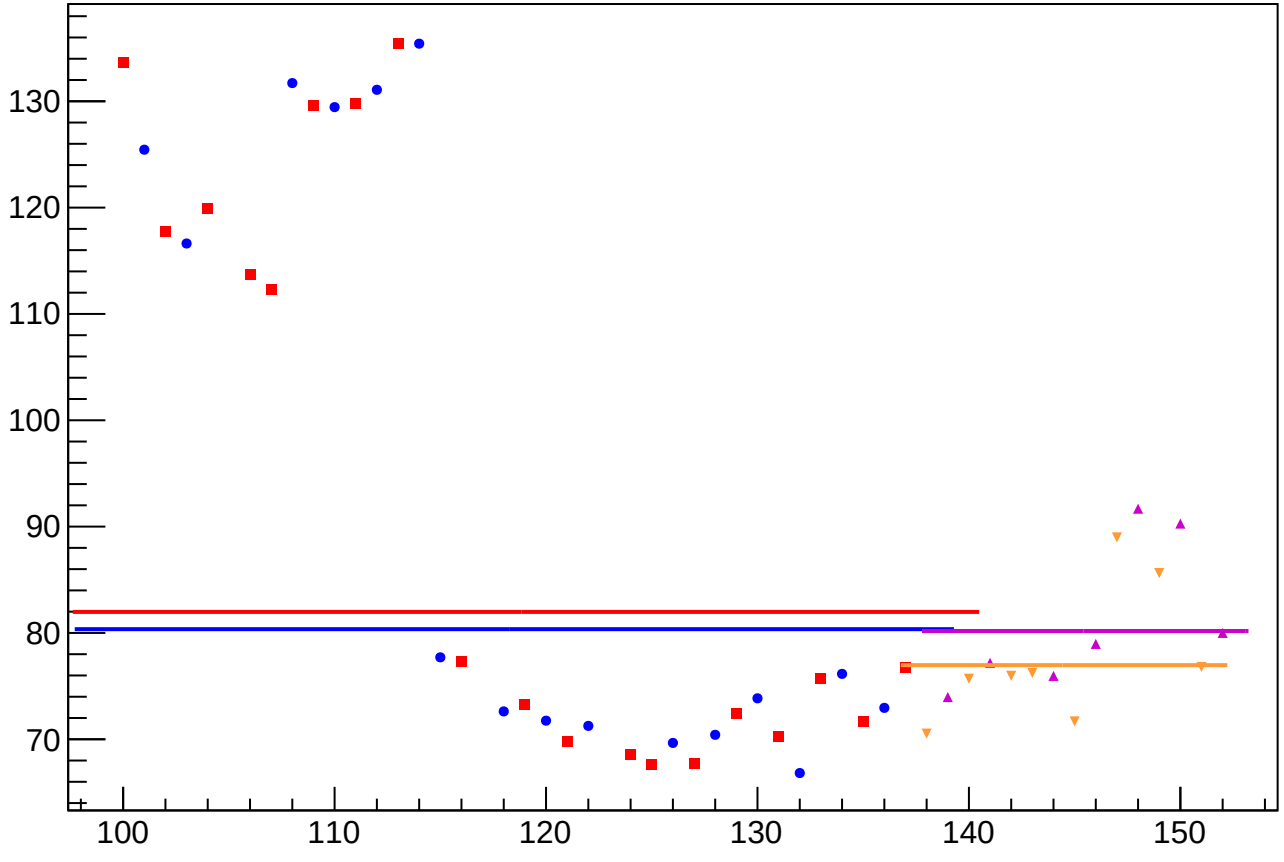
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -58.919+/-22.352 χ^2/NDF:42.8/22

Out: -34.378+/-21.950 χ^2/NDF:37.3/26

All: -46.426+/-15.661 χ^2/NDF: 80.7/49

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: 80.183+/-0.023 χ^2/NDF:69435.9/6

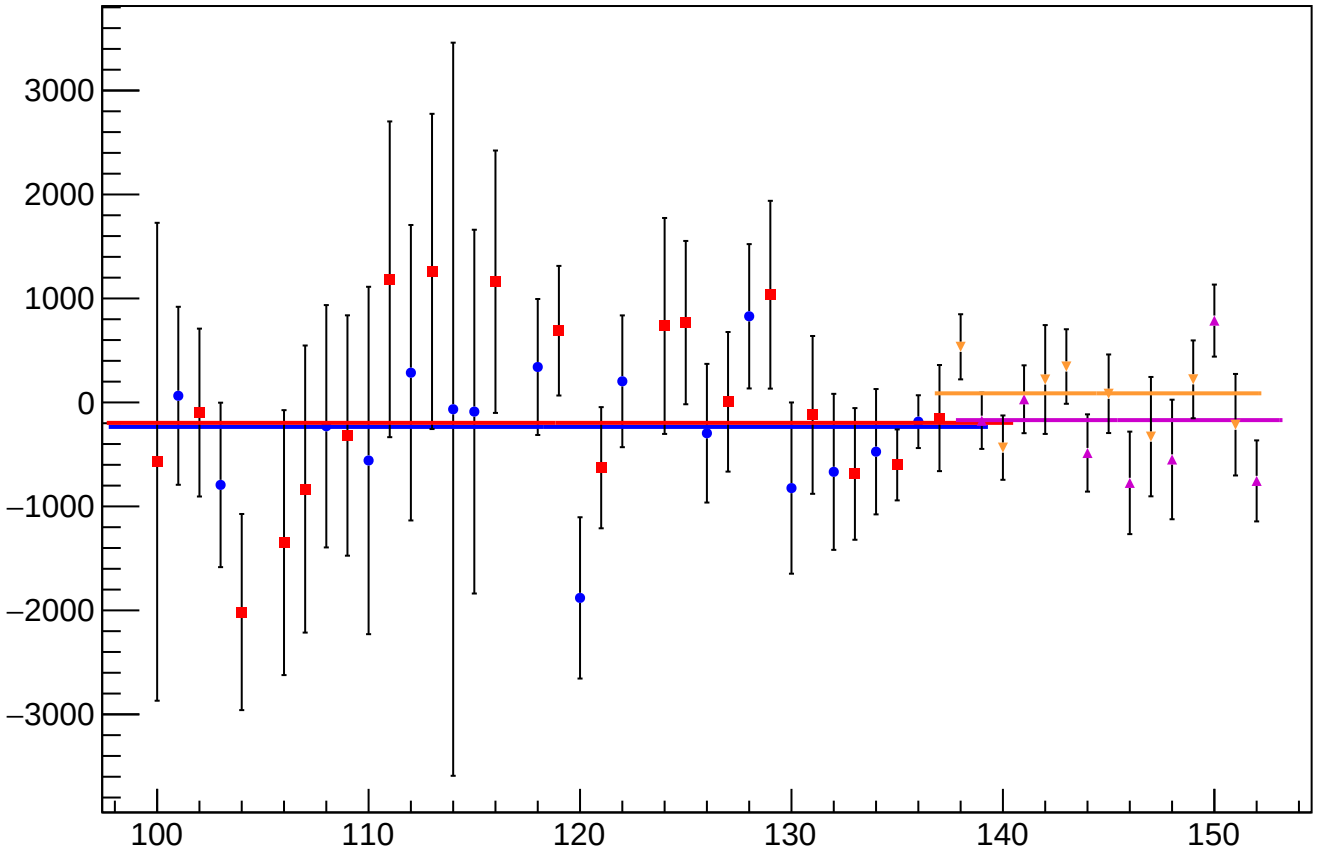
Left: 78.502+/-0.016 χ^2/NDF: 149426.2/14

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.273+/-0.016 χ^2/NDF:909504.8/22

Out: 79.471+/-0.016 χ^2/NDF:1026256.4/26

All: 79.865+/-0.011 χ^2/NDF: 1937071.2/49



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: -170.090+/-138.238 χ^2/NDF:12.9/6

Left: -39.932+/-97.235 χ^2/NDF: 21.2/14

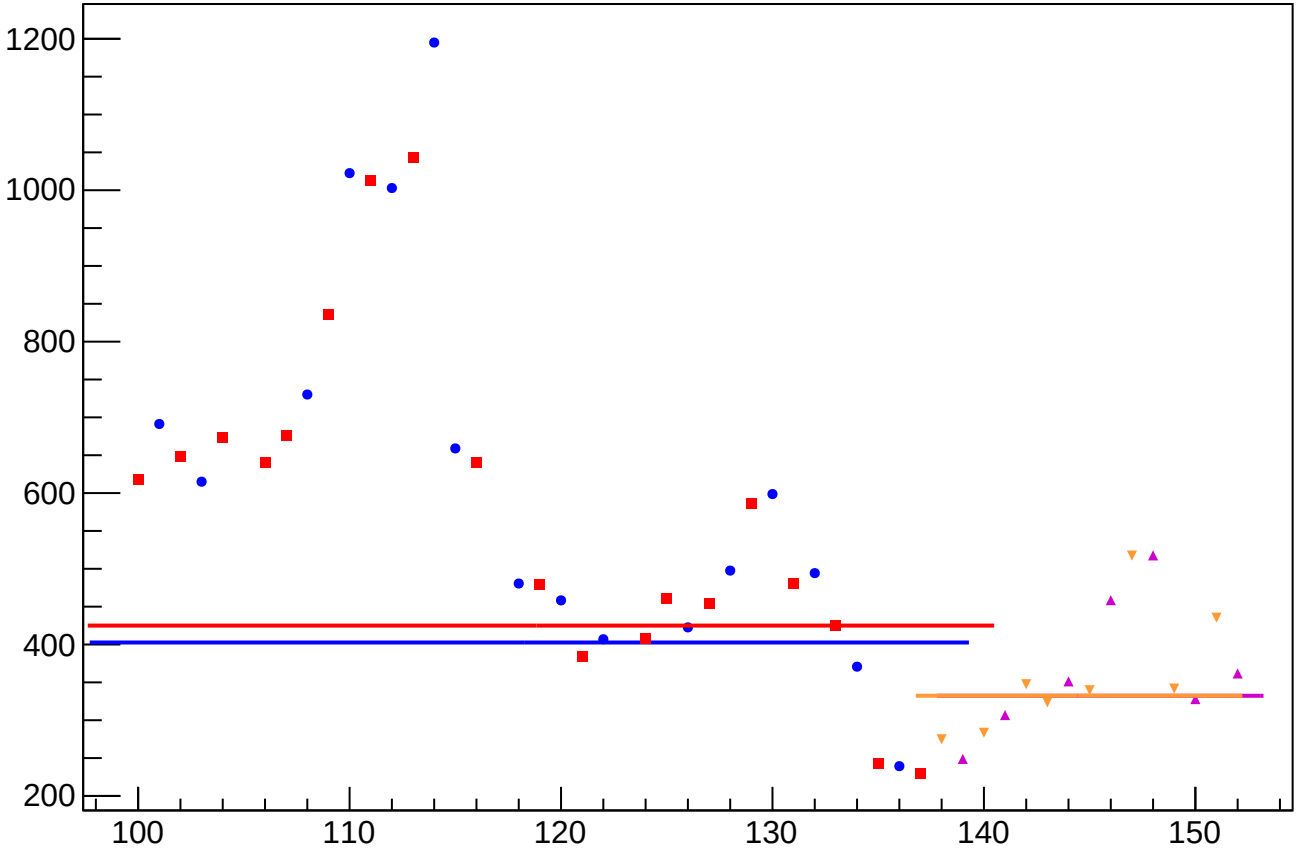
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -197.313+/-105.635 χ^2/NDF:23.0/22

Out: -23.744+/-106.697 χ^2/NDF:24.8/26

All: -111.397+/-75.068 χ^2/NDF: 49.1/49

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



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: 332.285+/-0.098 χ^2/NDF:558198.8/6

Left: 332.335+/-0.069 χ^2/NDF: 977727.8/14

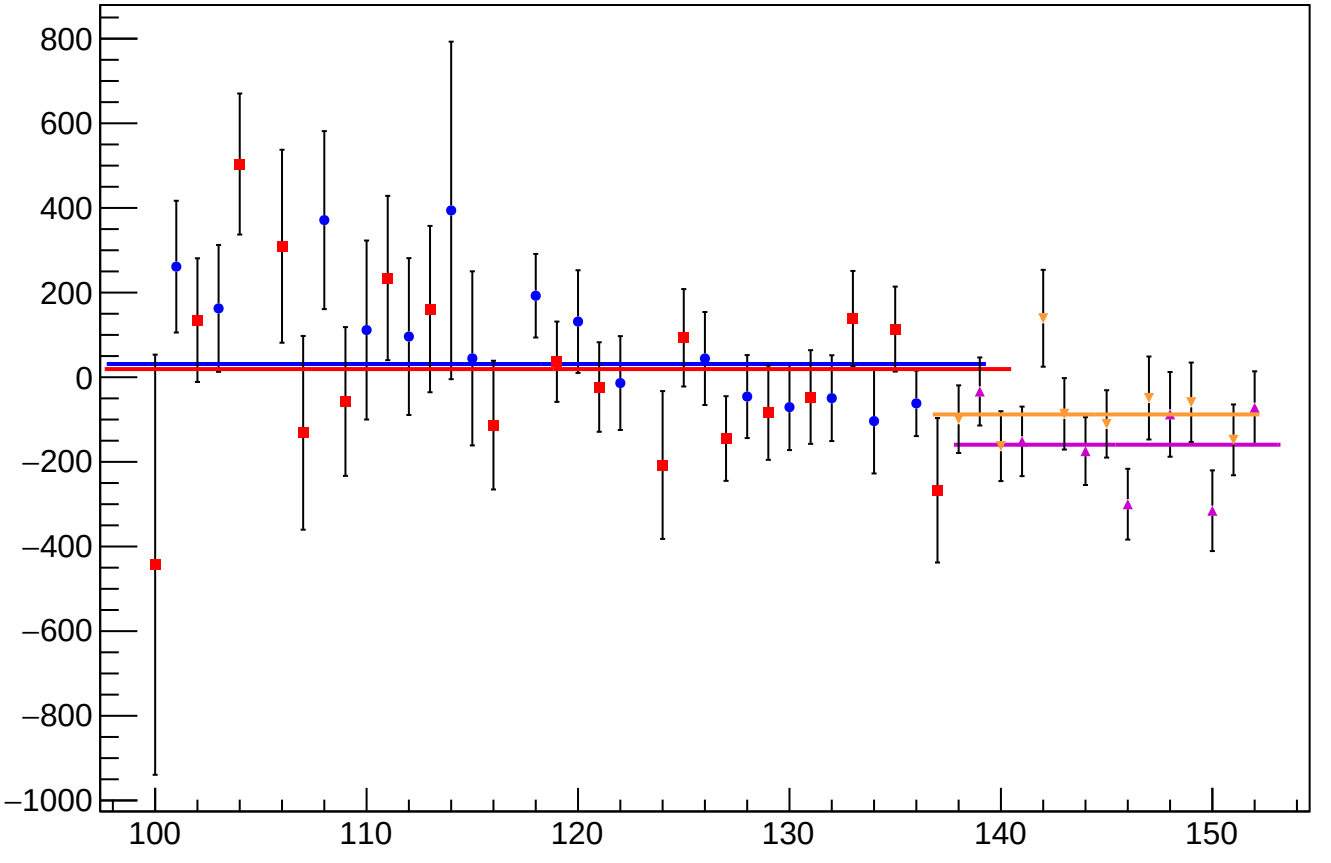
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 361.565+/-0.075 χ^2/NDF:3133940.8/22

Out: 368.652+/-0.075 χ^2/NDF:3119509.9/26

All: 365.073+/-0.053 χ^2/NDF: 6257906.2/49

eigen_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: -159.450+/-32.505 χ^2/NDF:9.5/6

Left: -122.021+/-22.443 χ^2/NDF: 17.7/14

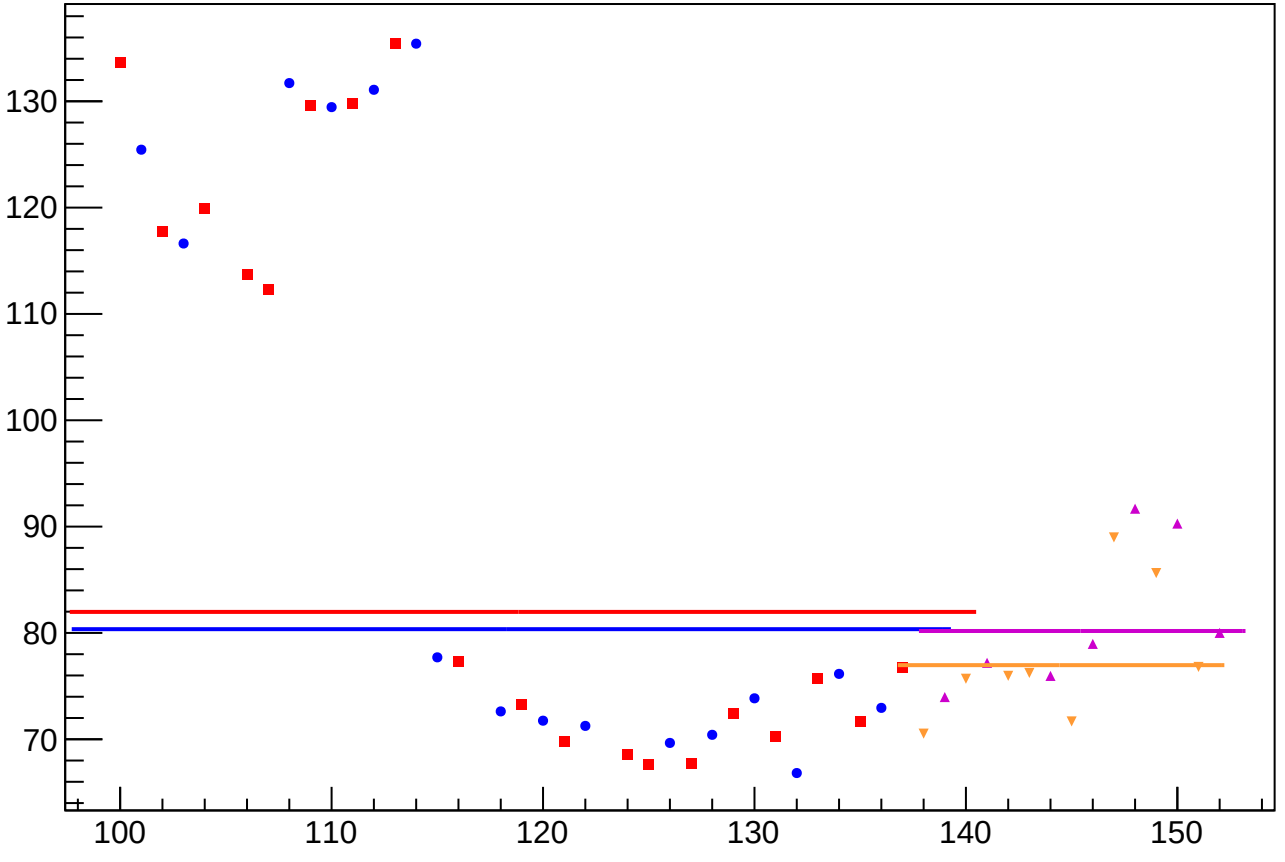
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -58.919+/-22.352 χ^2/NDF:42.8/22

Out: -34.378+/-21.950 χ^2/NDF:37.3/26

All: -46.426+/-15.661 χ^2/NDF: 80.7/49

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: 80.183+/-0.023 χ^2/NDF:69435.9/6

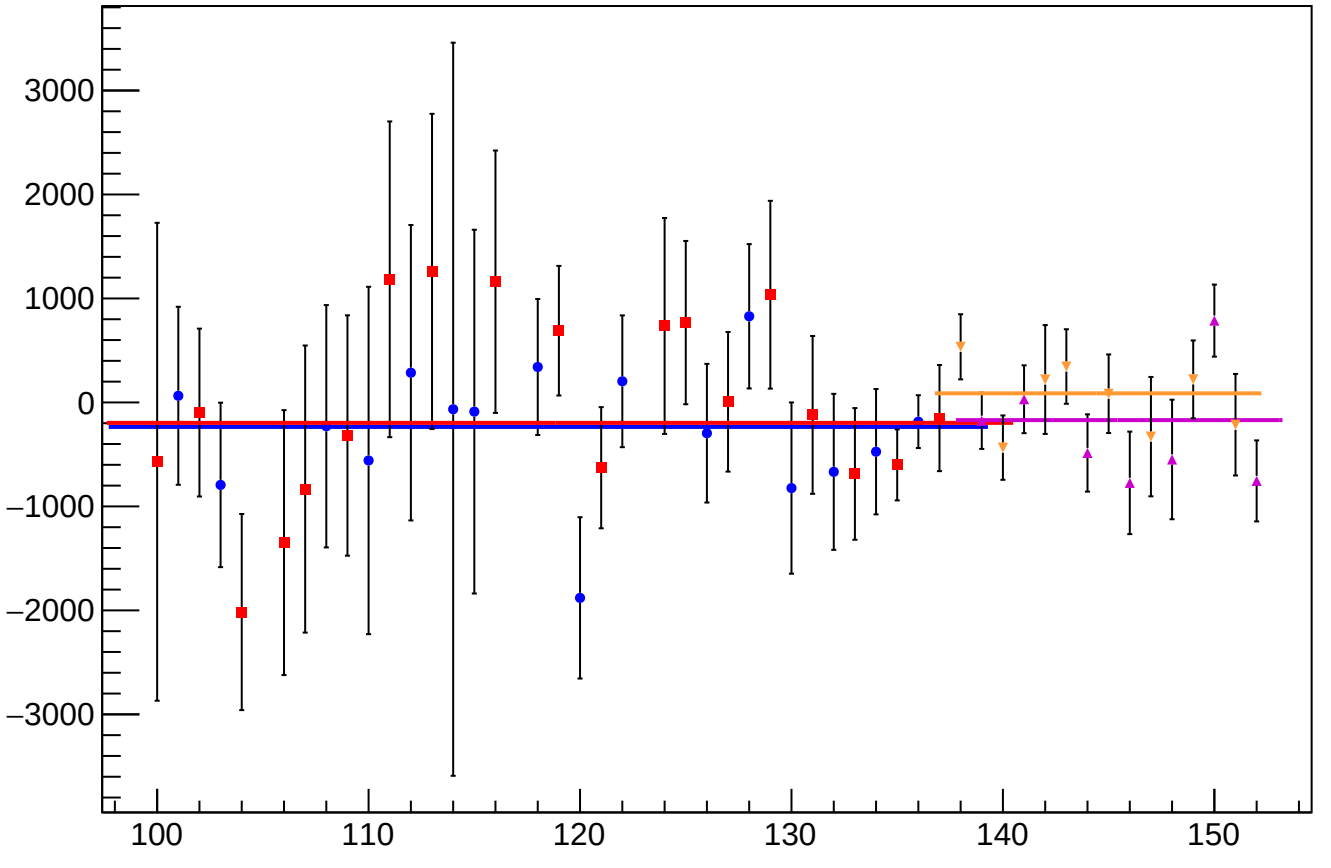
Left: 78.502+/-0.016 χ^2/NDF: 149426.2/14

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.273+/-0.016 χ^2/NDF:909504.8/22

Out: 79.471+/-0.016 χ^2/NDF:1026256.4/26

All: 79.865+/-0.011 χ^2/NDF: 1937071.2/49



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: -170.090+/-138.238 χ^2/NDF:12.9/6

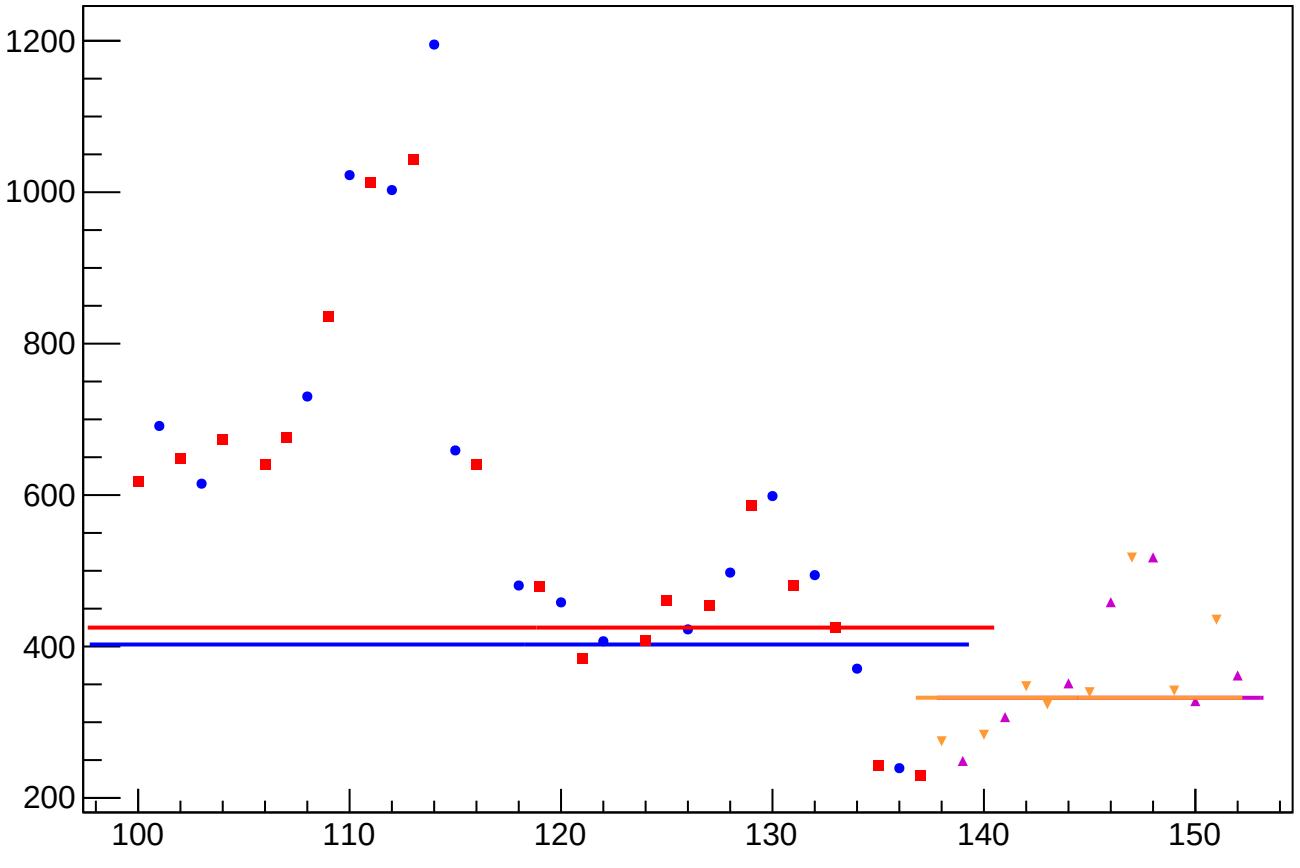
Left: -39.932+/-97.235 χ^2/NDF: 21.2/14

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -197.313+/-105.635 χ^2/NDF:23.0/22

Out: -23.744+/-106.697 χ^2/NDF:24.8/26

All: -111.397+/-75.068 χ^2/NDF: 49.1/49



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: 332.285+/-0.098 χ^2/NDF:558198.8/6

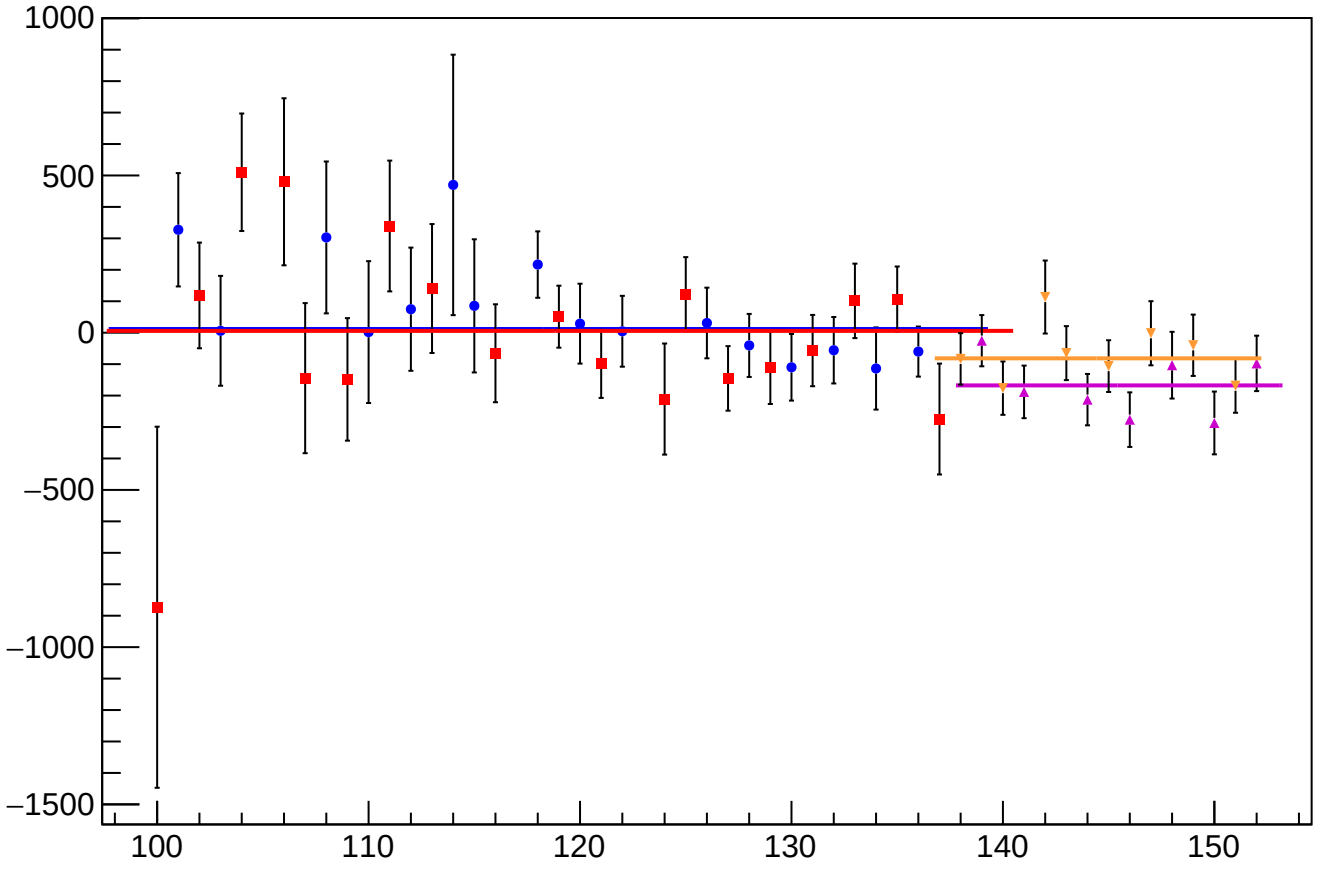
Left: 332.335+/-0.069 χ^2/NDF: 977727.8/14

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 361.565+/-0.075 χ^2/NDF:3133940.8/22

Out: 368.652+/-0.075 χ^2/NDF:3119509.9/26

All: 365.073+/-0.053 χ^2/NDF: 6257906.2/49



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: -167.616+/-33.439 χ^2/NDF:7.4/6

Left: -122.586+/-23.087 χ^2/NDF: 16.9/14

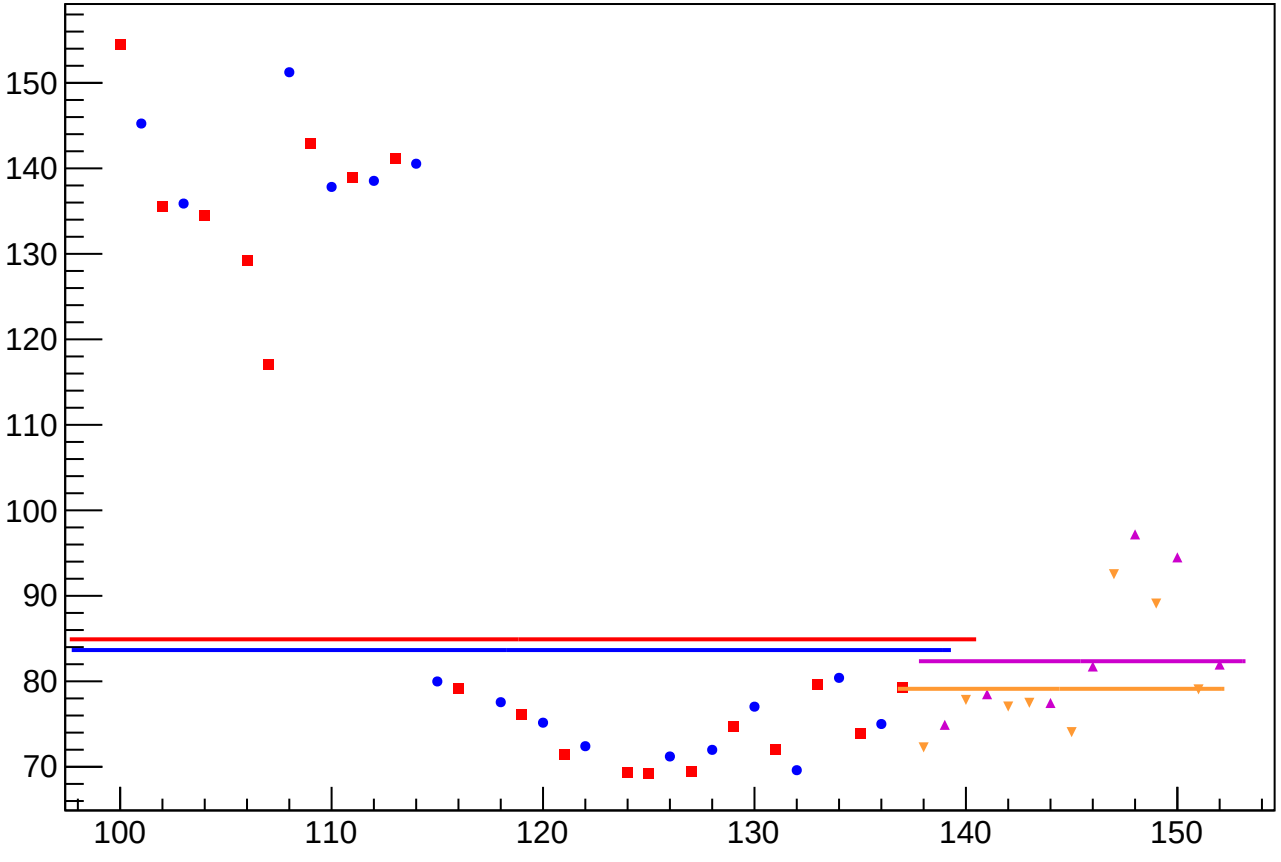
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -74.869+/-23.231 χ^2/NDF:35.8/22

Out: -38.597+/-22.751 χ^2/NDF:38.5/26

All: -56.355+/-16.254 χ^2/NDF: 75.5/49

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: 82.351+/-0.024 χ^2/NDF:96957.6/6

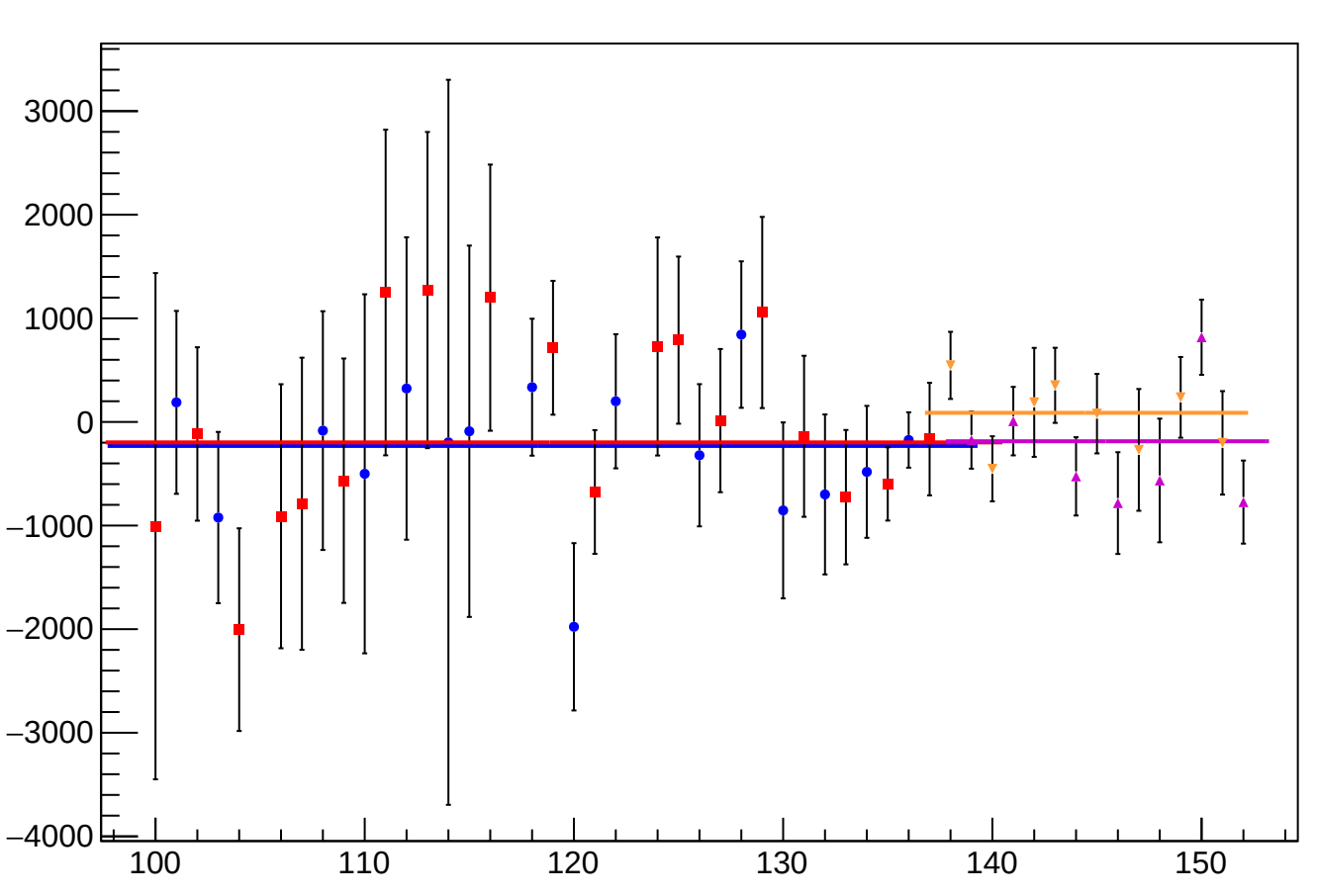
Left: 80.663+/-0.016 χ^2/NDF: 185616.8/14

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 83.027+/-0.016 χ^2/NDF:1133329.5/22

Out: 81.971+/-0.016 χ^2/NDF:1232938.4/26

All: 82.488+/-0.011 χ^2/NDF: 2368377.0/49



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: -186.370+/-141.431 χ^2/NDF:12.8/6

Left: -47.550+/-99.421 χ^2/NDF: 21.1/14

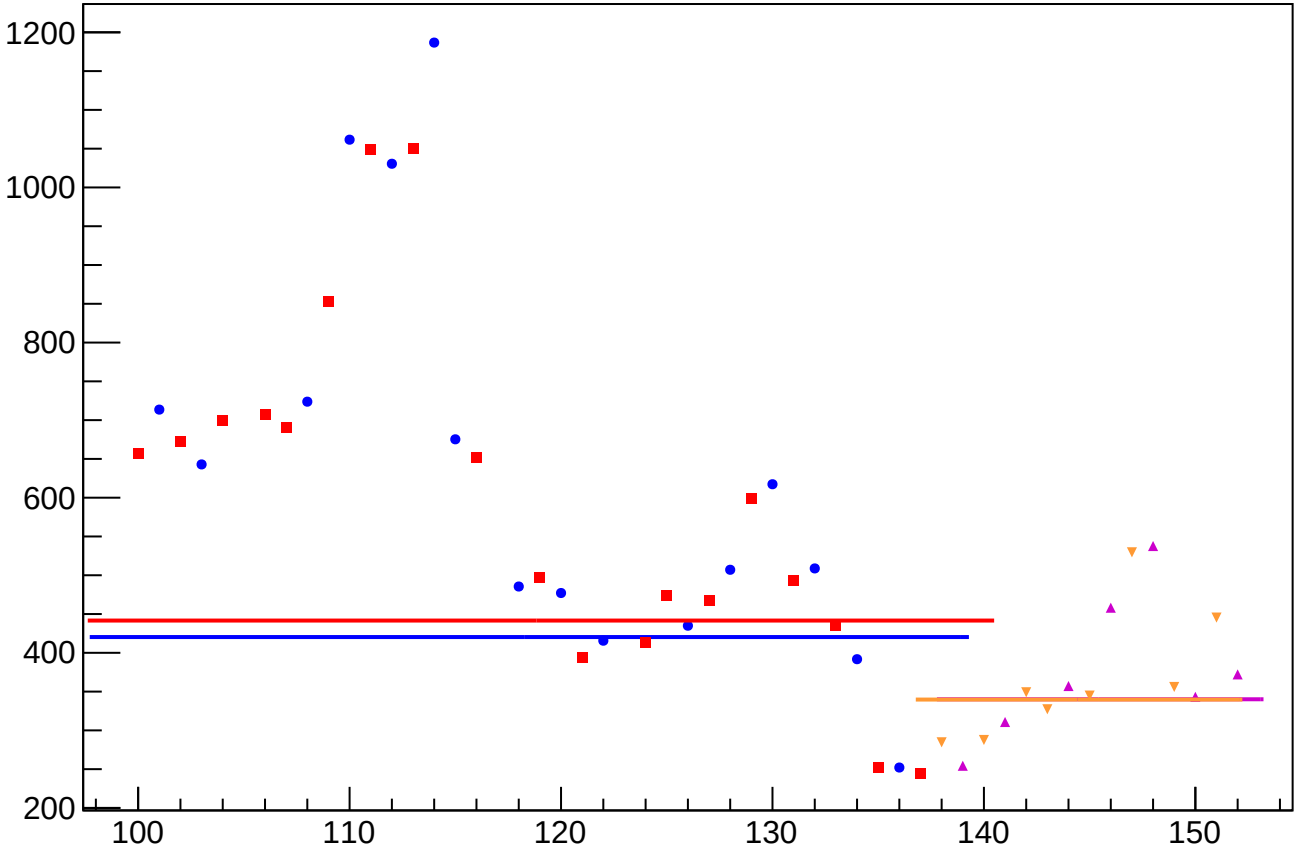
Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -204.774+/-108.759 χ^2/NDF:23.3/22

Out: -22.214+/-109.485 χ^2/NDF:23.9/26

All: -114.101+/-77.160 χ^2/NDF: 48.6/49

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: 340.105+/-0.100 χ^2/NDF:559545.6/6

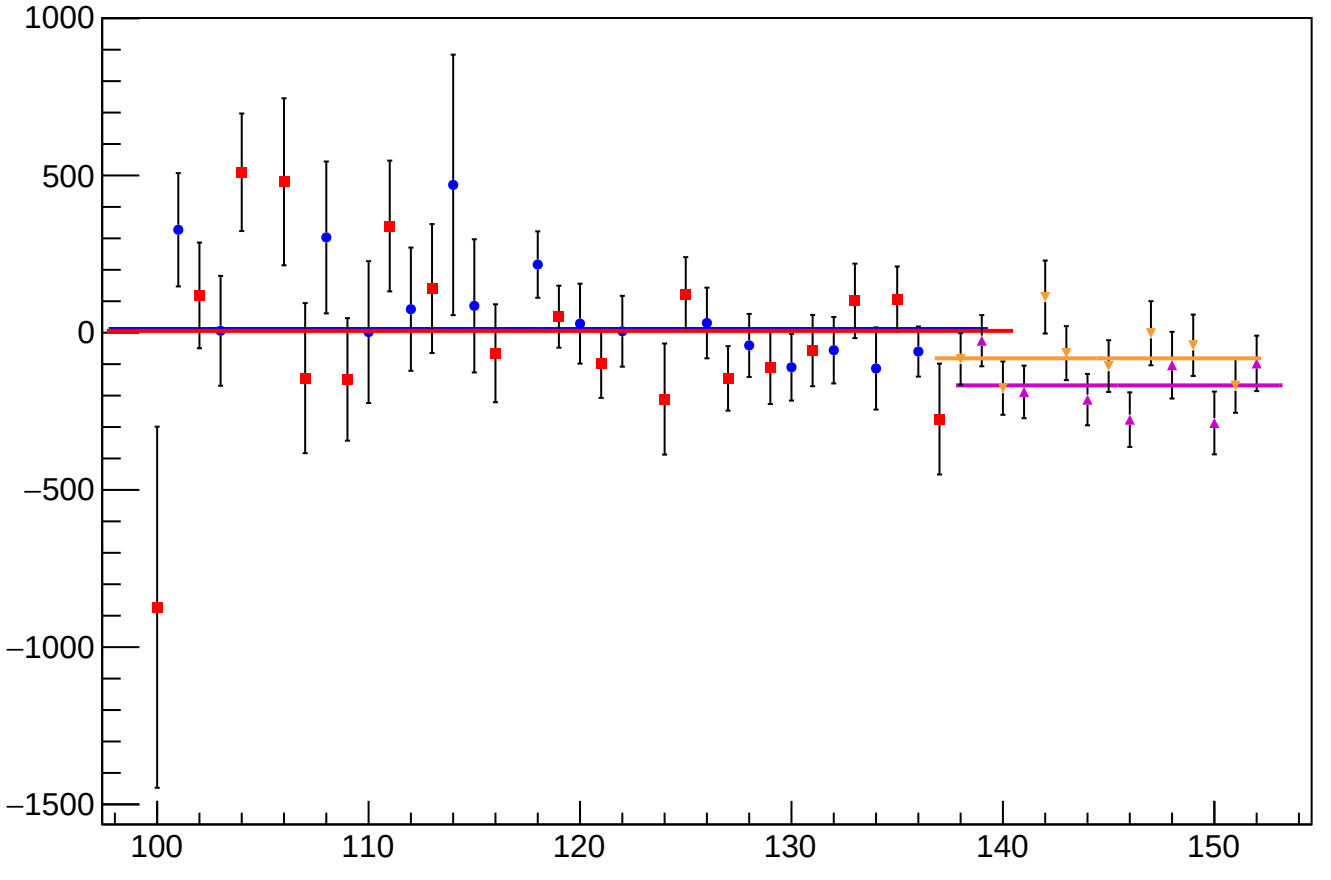
Left: 339.915+/-0.070 χ^2/NDF: 977580.1/14

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 372.889+/-0.077 χ^2/NDF:3077123.5/22

Out: 379.109+/-0.077 χ^2/NDF:3136189.6/26

All: 375.979+/-0.055 χ^2/NDF: 6216562.0/49



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: -167.616+/-33.439 χ^2/NDF:7.4/6

Left: -122.586+/-23.087 χ^2/NDF: 16.9/14

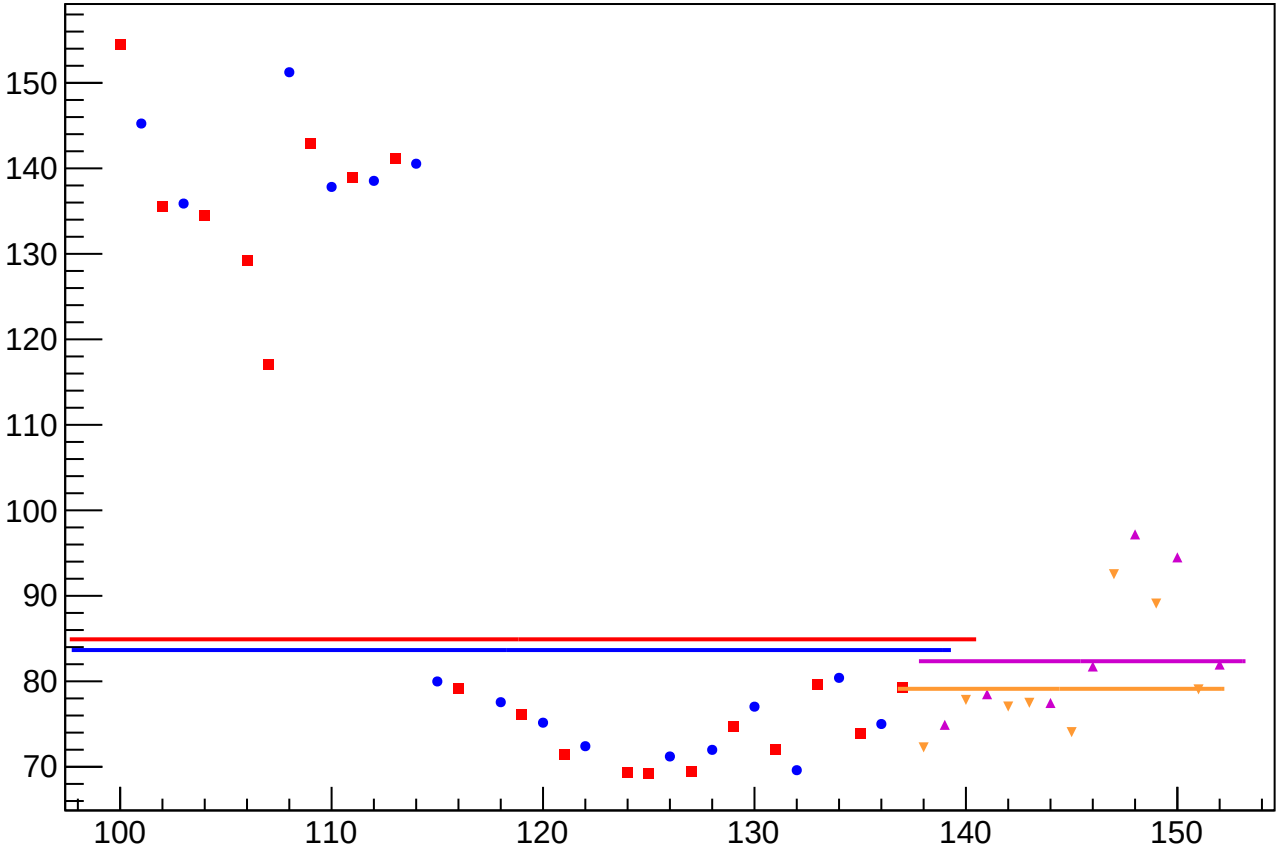
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -74.869+/-23.231 χ^2/NDF:35.8/22

Out: -38.598+/-22.751 χ^2/NDF:38.5/26

All: -56.355+/-16.254 χ^2/NDF: 75.5/49

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: 82.351+/-0.024 χ^2/NDF:96956.8/6

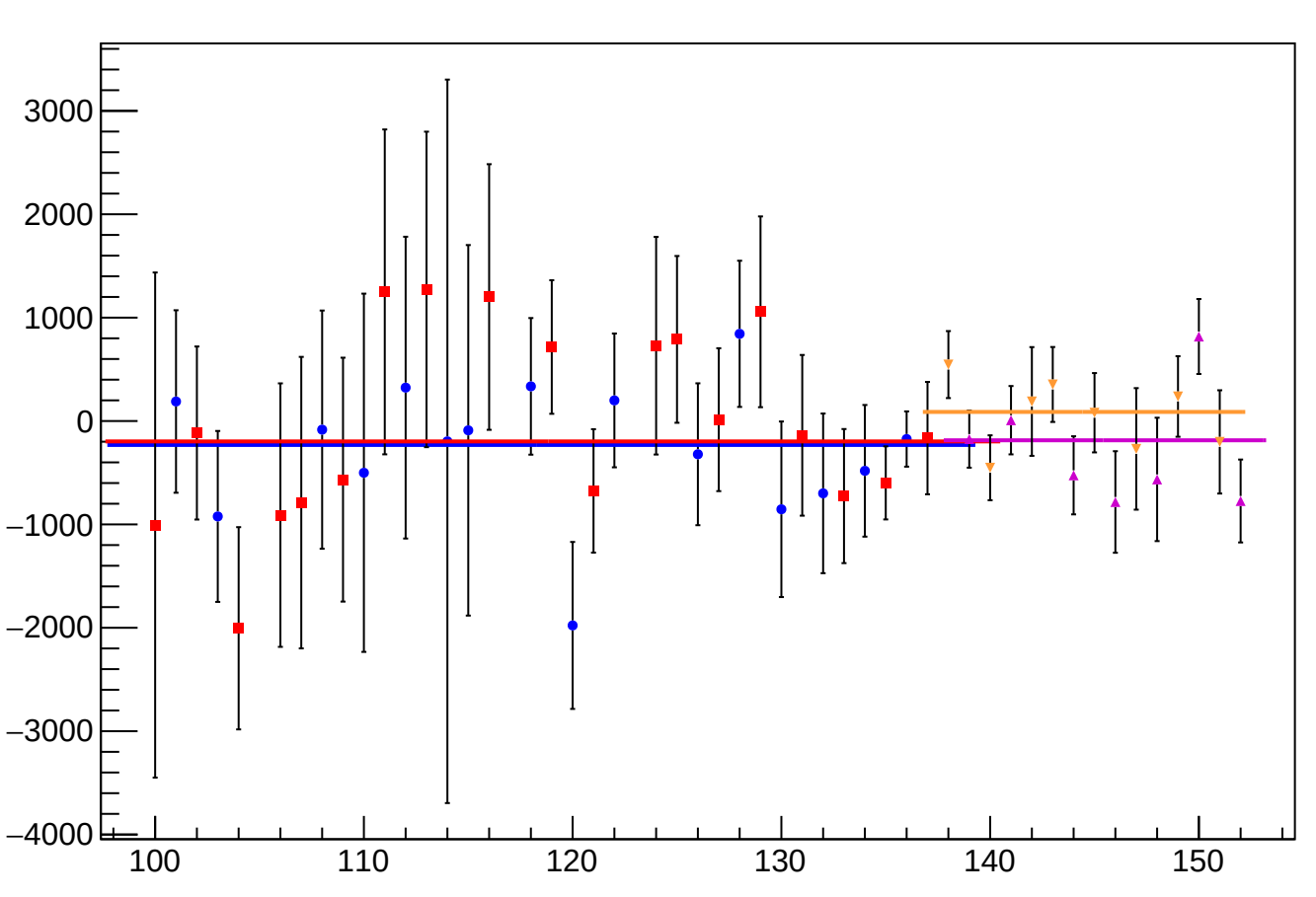
Left: 80.663+/-0.016 χ^2/NDF: 185615.6/14

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 83.027+/-0.016 χ^2/NDF:1133328.0/22

Out: 81.971+/-0.016 χ^2/NDF:1232936.3/26

All: 82.488+/-0.011 χ^2/NDF: 2368373.5/49



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: -186.369+/-141.431 χ^2/NDF:12.8/6

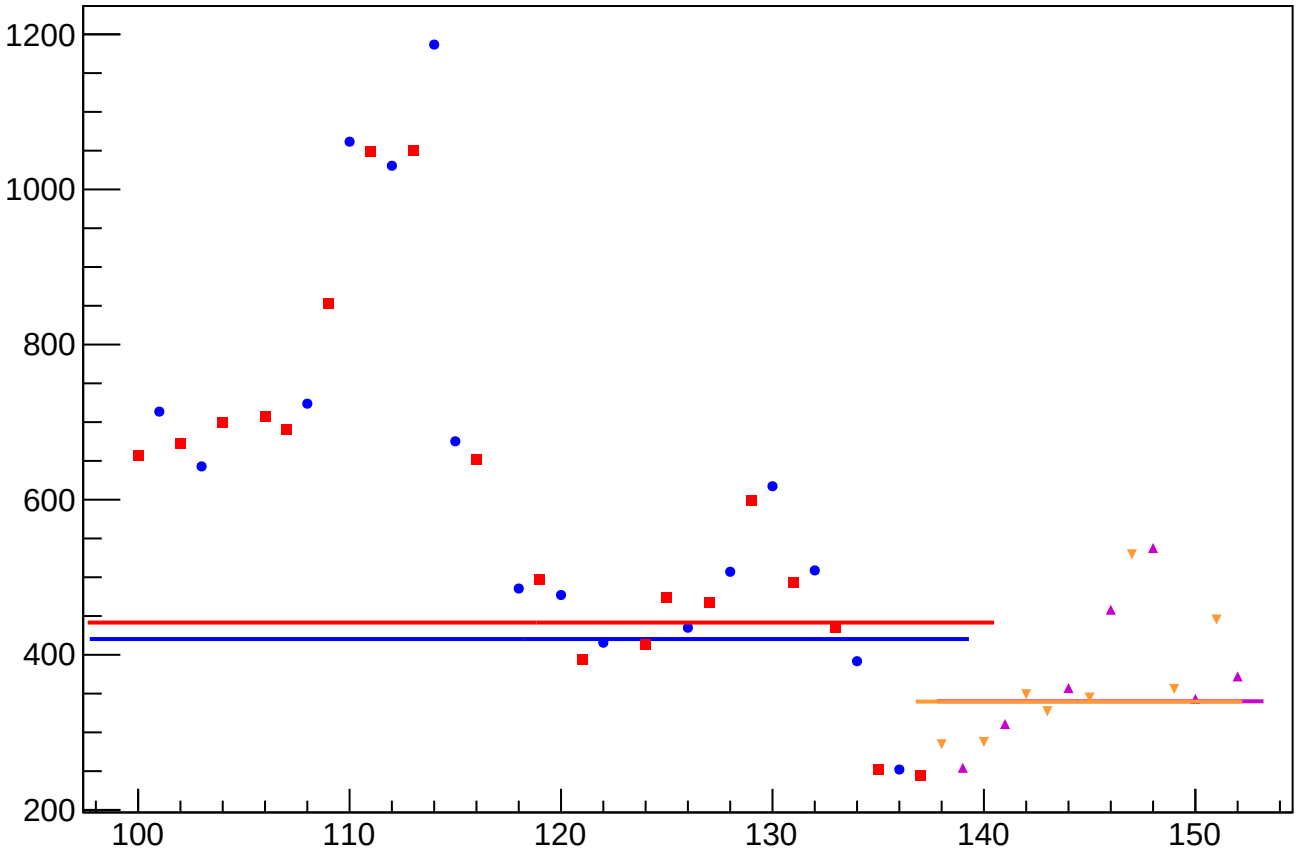
Left: -47.550+/-99.421 χ^2/NDF: 21.1/14

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -204.773+/-108.759 χ^2/NDF:23.3/22

Out: -22.215+/-109.484 χ^2/NDF:23.9/26

All: -114.101+/-77.159 χ^2/NDF: 48.6/49



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: 340.105+/-0.100 χ^2/NDF:559546.5/6

Left: 339.915+/-0.070 χ^2/NDF: 977580.7/14

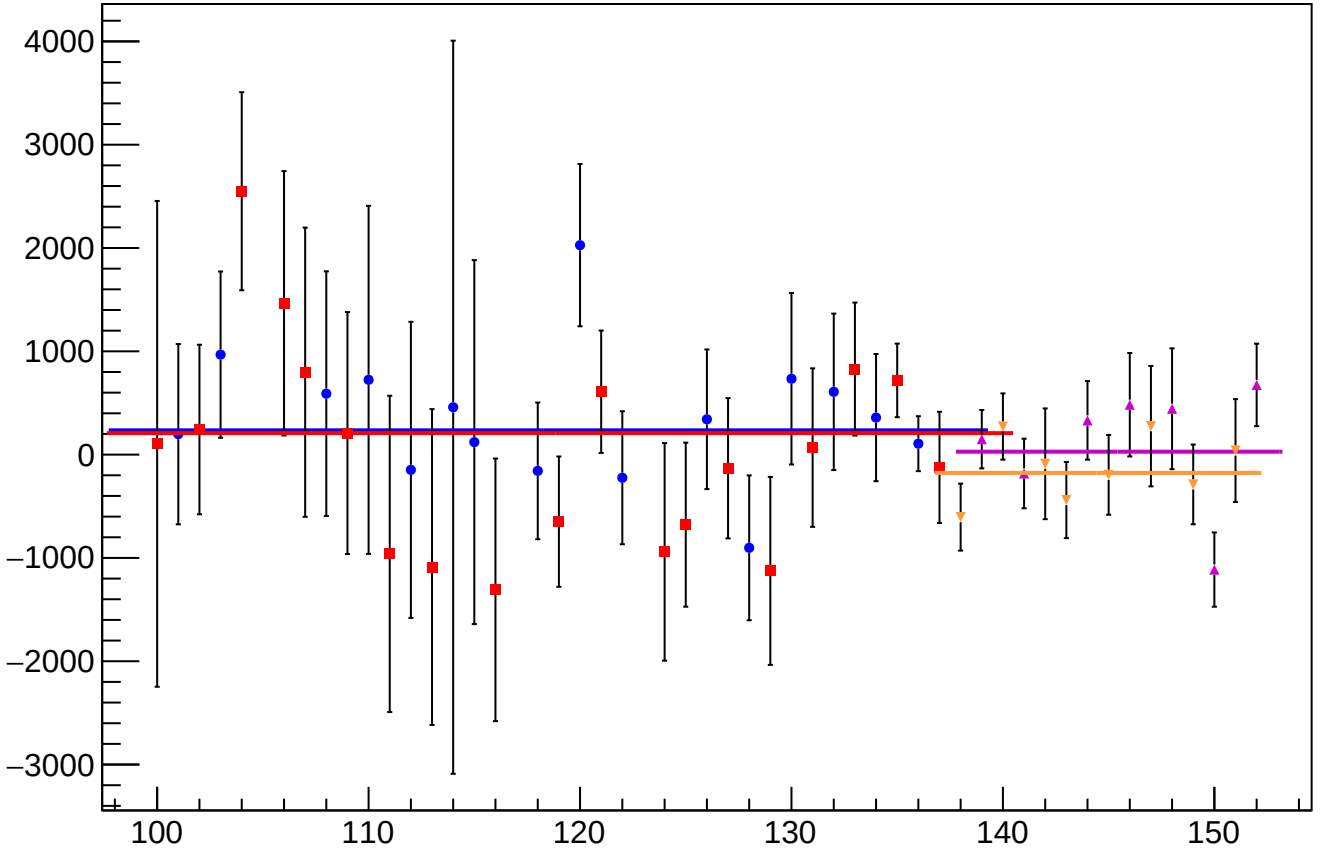
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 372.889+/-0.077 χ^2/NDF:3077127.2/22

Out: 379.109+/-0.077 χ^2/NDF:3136192.9/26

All: 375.978+/-0.055 χ^2/NDF: 6216569.0/49

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: 28.454+/-142.590 χ^2/NDF:15.2/6

Left: -75.640+/-100.157 χ^2/NDF: 21.4/14

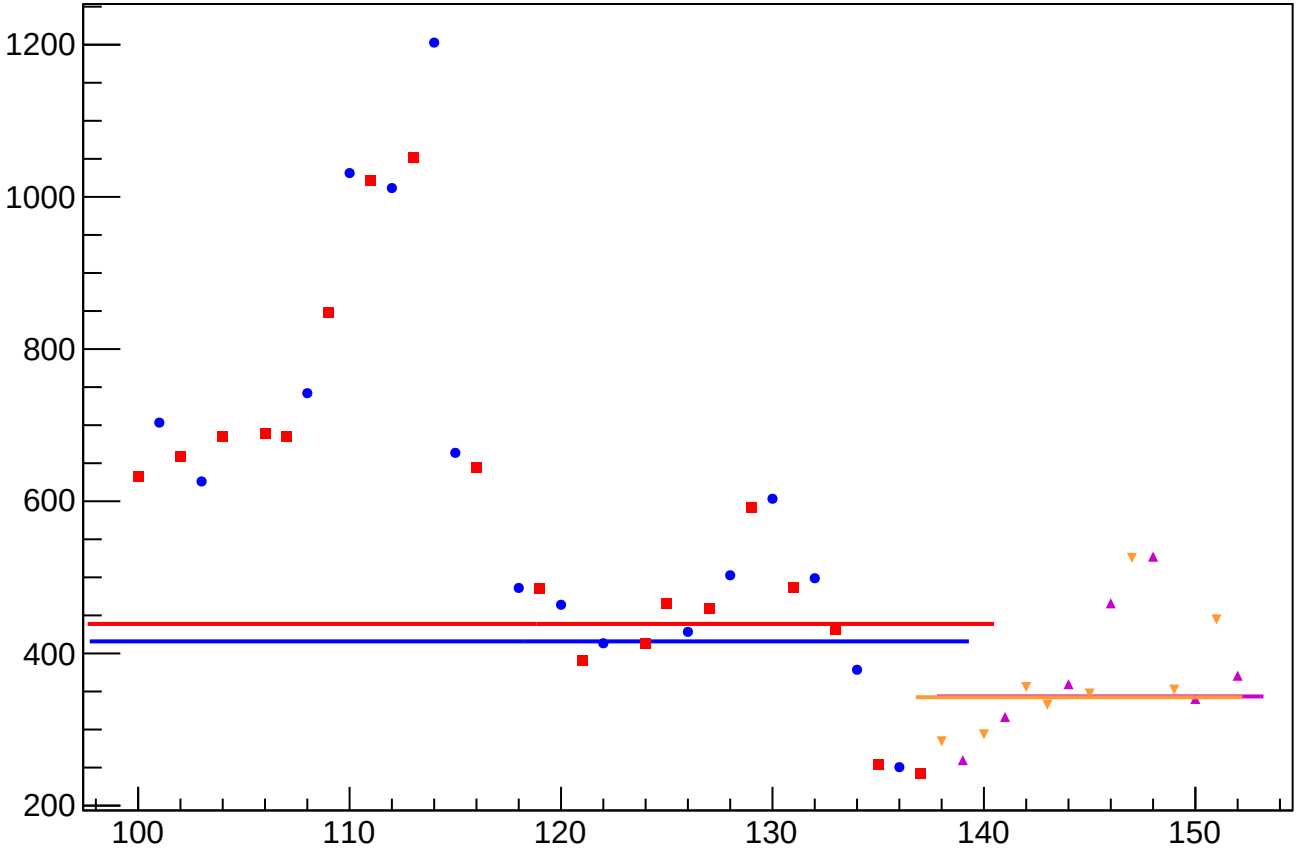
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 114.845+/-108.766 χ^2/NDF:26.8/22

Out: -25.557+/-109.591 χ^2/NDF:28.4/26

All: 45.175+/-77.199 χ^2/NDF: 56.1/49

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: 343.458+/-0.101 χ^2/NDF:518197.7/6

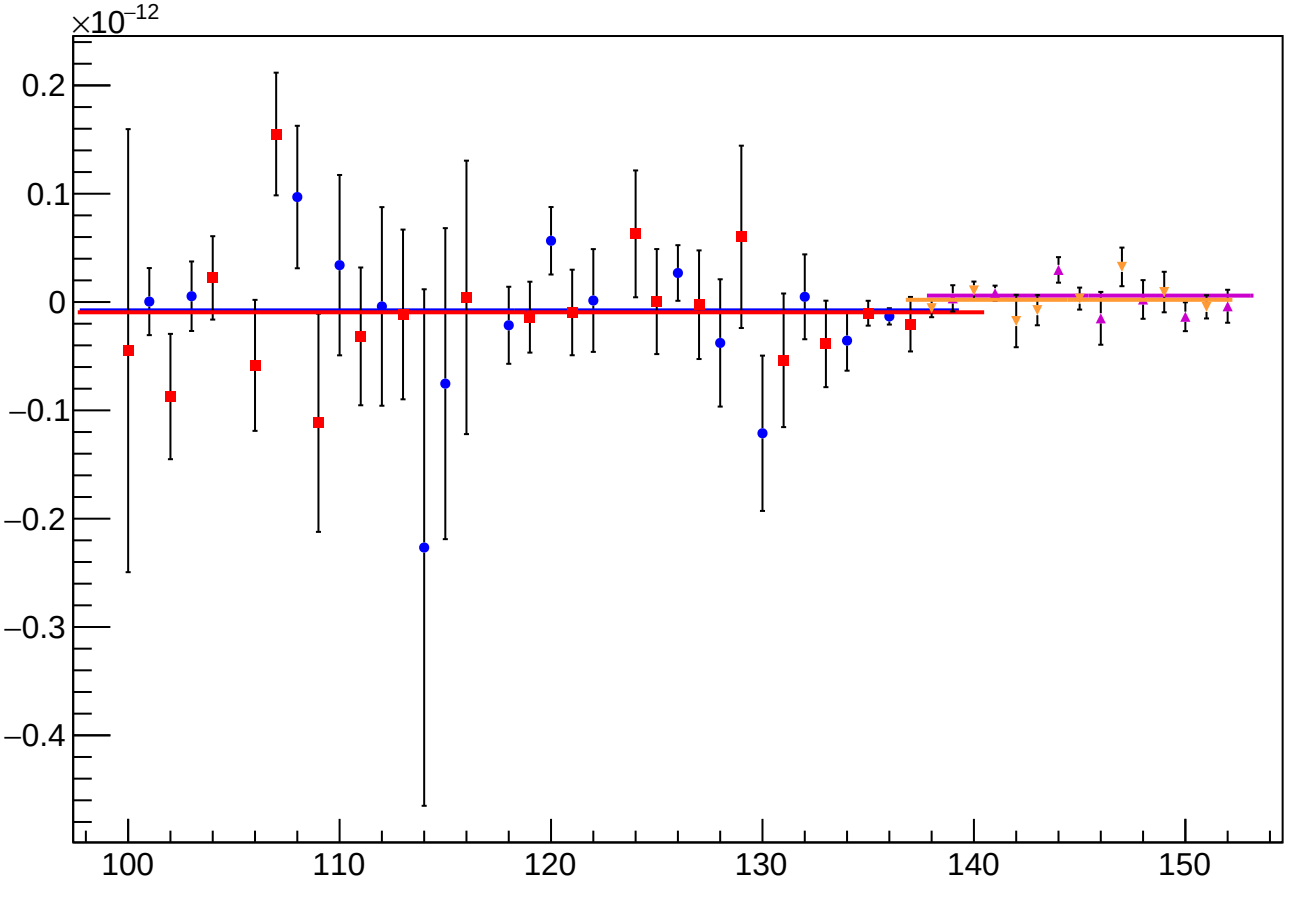
Left: 342.936+/-0.071 χ^2/NDF: 914834.0/14

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 373.725+/-0.077 χ^2/NDF:2957646.4/22

Out: 380.334+/-0.077 χ^2/NDF:3000252.1/26

All: 377.005+/-0.055 χ^2/NDF: 5961563.4/49



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:7.5/6

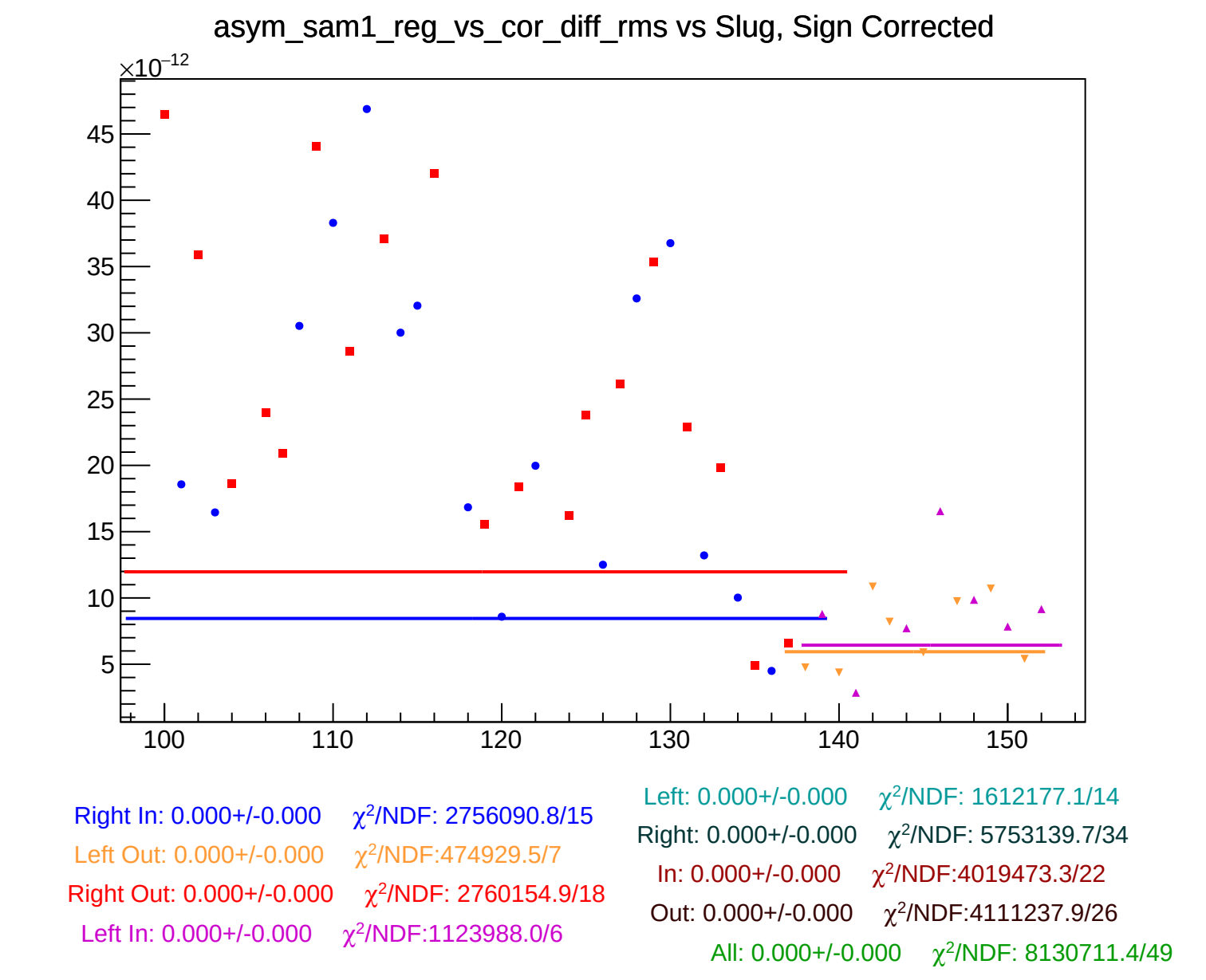
Left: 0.000+/-0.000 χ^2/NDF: 14.5/14

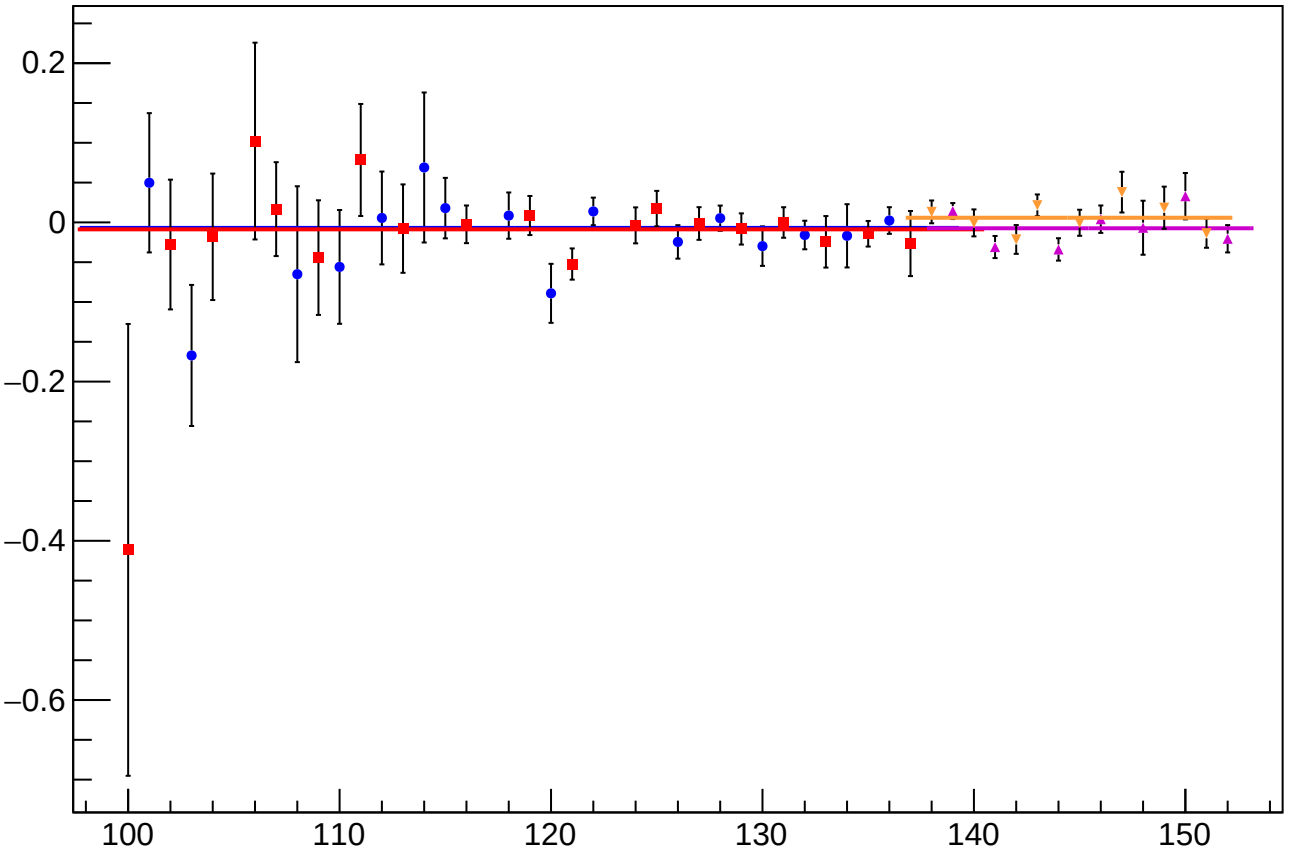
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:25.5/22

Out: -0.000+/-0.000 χ^2/NDF:24.5/26

All: 0.000+/-0.000 χ^2/NDF: 50.0/49


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:1123988.0/6
Left: 0.000+/-0.000 χ²/NDF: 1612177.1/14
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4019473.3/22
Out: 0.000+/-0.000 χ²/NDF:4111237.9/26
All: 0.000+/-0.000 χ²/NDF: 8130711.4/49



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: -0.007+/-0.006 χ^2/NDF:14.0/6

Left: -0.001+/-0.004 χ^2/NDF: 23.5/14

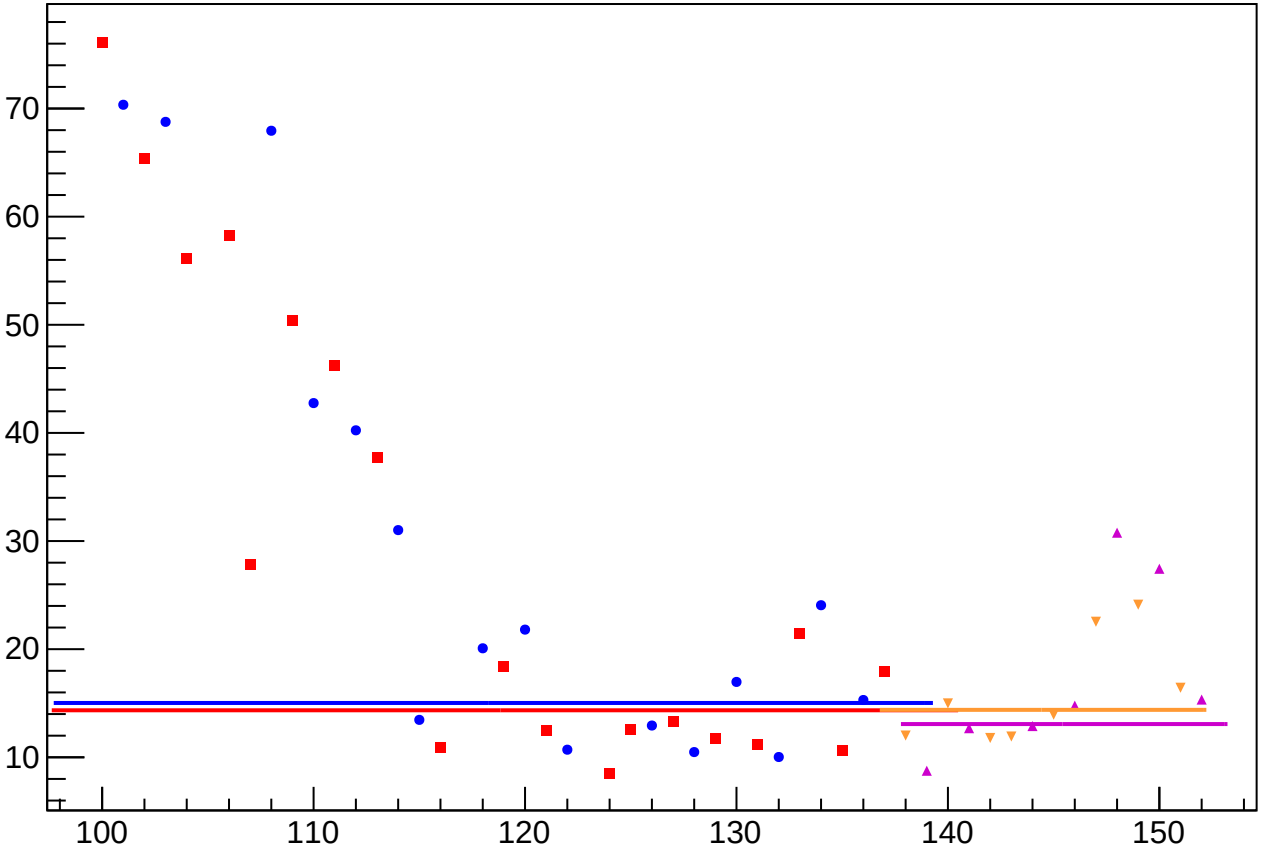
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.004 χ^2/NDF:29.0/22

Out: -0.001+/-0.004 χ^2/NDF:22.4/26

All: -0.004+/-0.003 χ^2/NDF: 52.4/49

asym_sam1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.388+/-0.004 χ^2/NDF:663686.5/7

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.075+/-0.004 χ^2/NDF:1456410.8/6

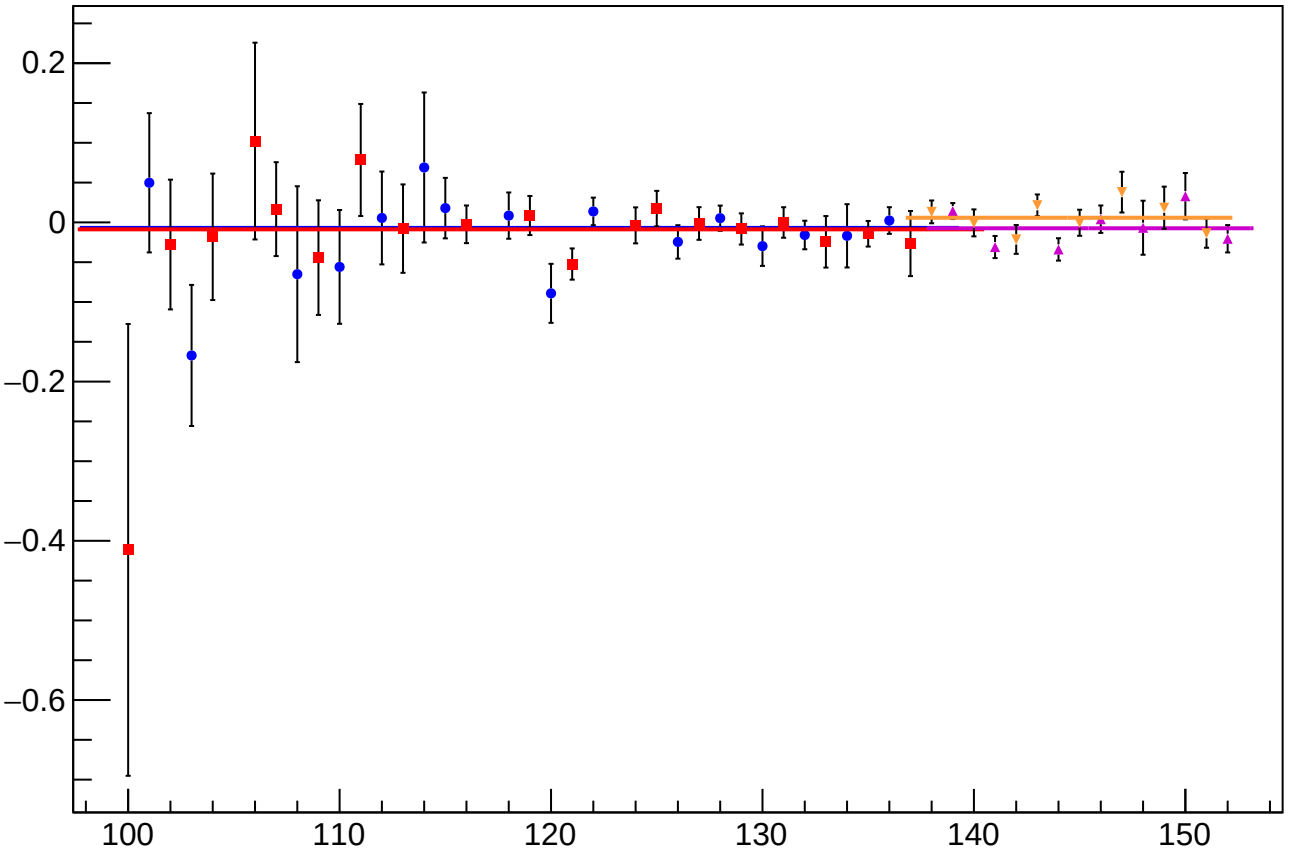
Left: 13.702+/-0.003 χ^2/NDF: 2167869.4/14

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.918+/-0.003 χ^2/NDF:4990019.5/22

Out: 14.369+/-0.003 χ^2/NDF:4292742.2/26

All: 14.143+/-0.002 χ^2/NDF: 9293142.3/49



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: -0.007+/-0.006 χ^2/NDF:14.0/6

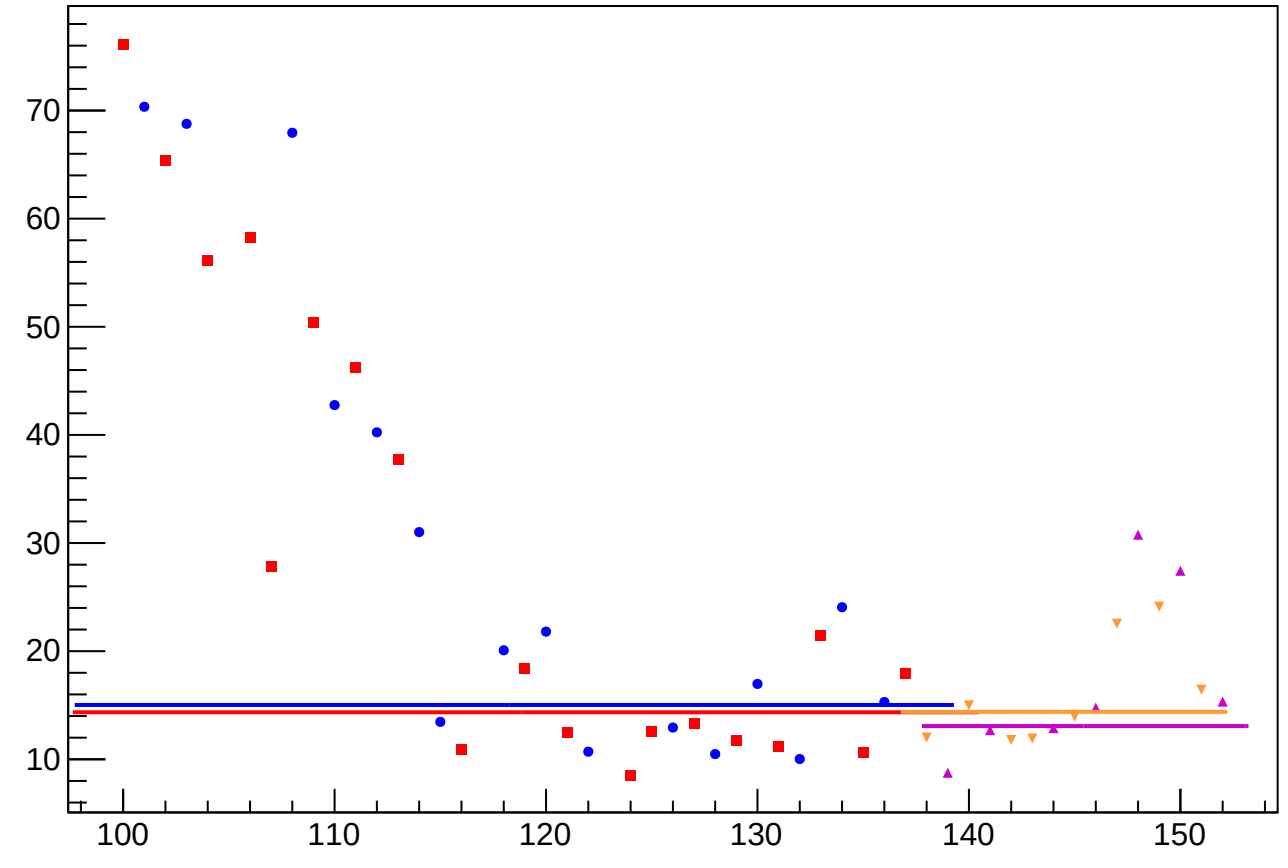
Left: -0.001+/-0.004 χ^2/NDF: 23.5/14

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.004 χ^2/NDF:29.0/22

Out: -0.001+/-0.004 χ^2/NDF:22.4/26

All: -0.004+/-0.003 χ^2/NDF: 52.4/49



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: 13.075+/-0.004 χ^2/NDF:1456410.8/6

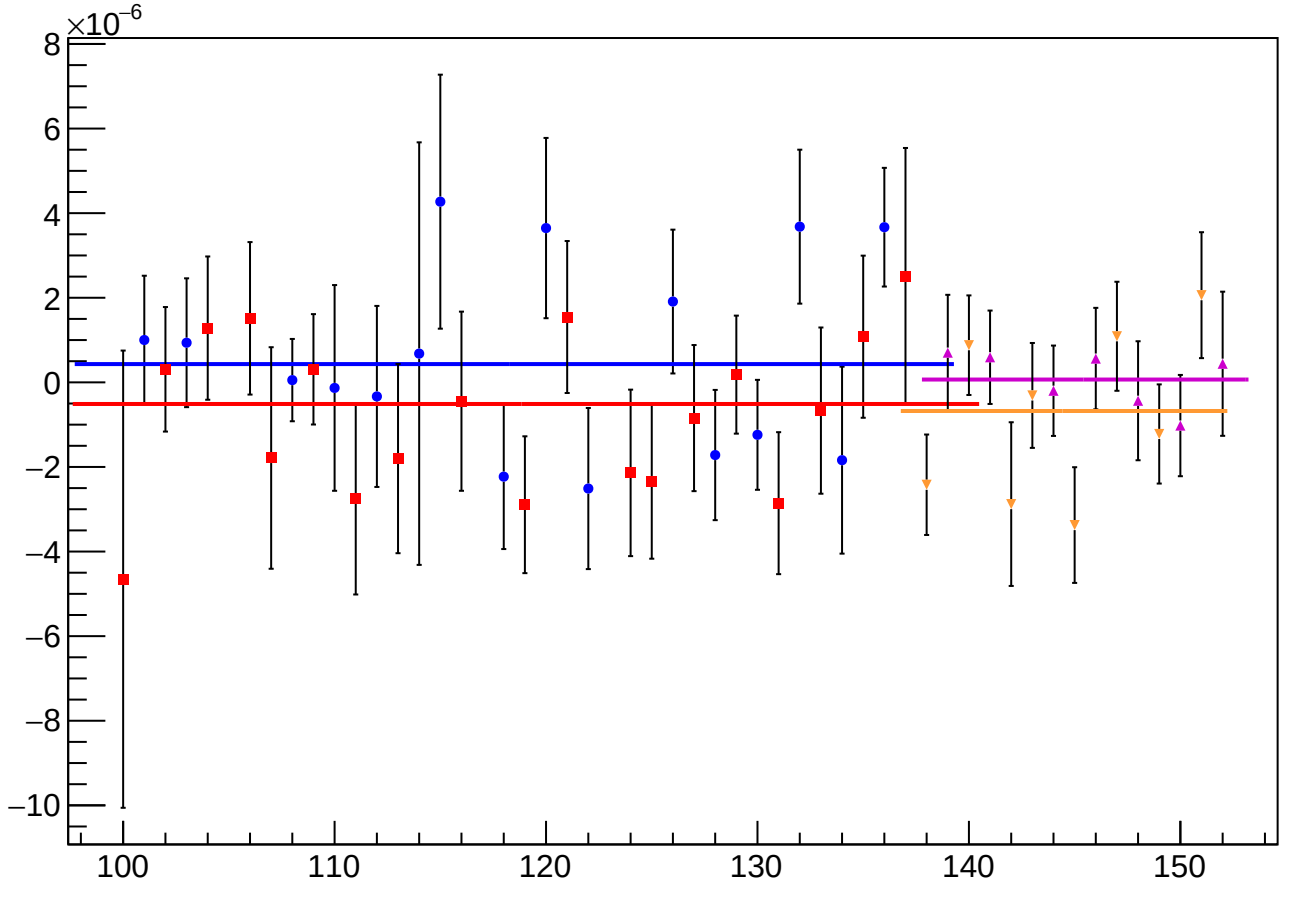
Left: 13.702+/-0.003 χ^2/NDF: 2167869.4/14

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.918+/-0.003 χ^2/NDF:4990019.5/22

Out: 14.369+/-0.003 χ^2/NDF:4292742.2/26

All: 14.143+/-0.002 χ^2/NDF: 9293142.3/49



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:1.7/6

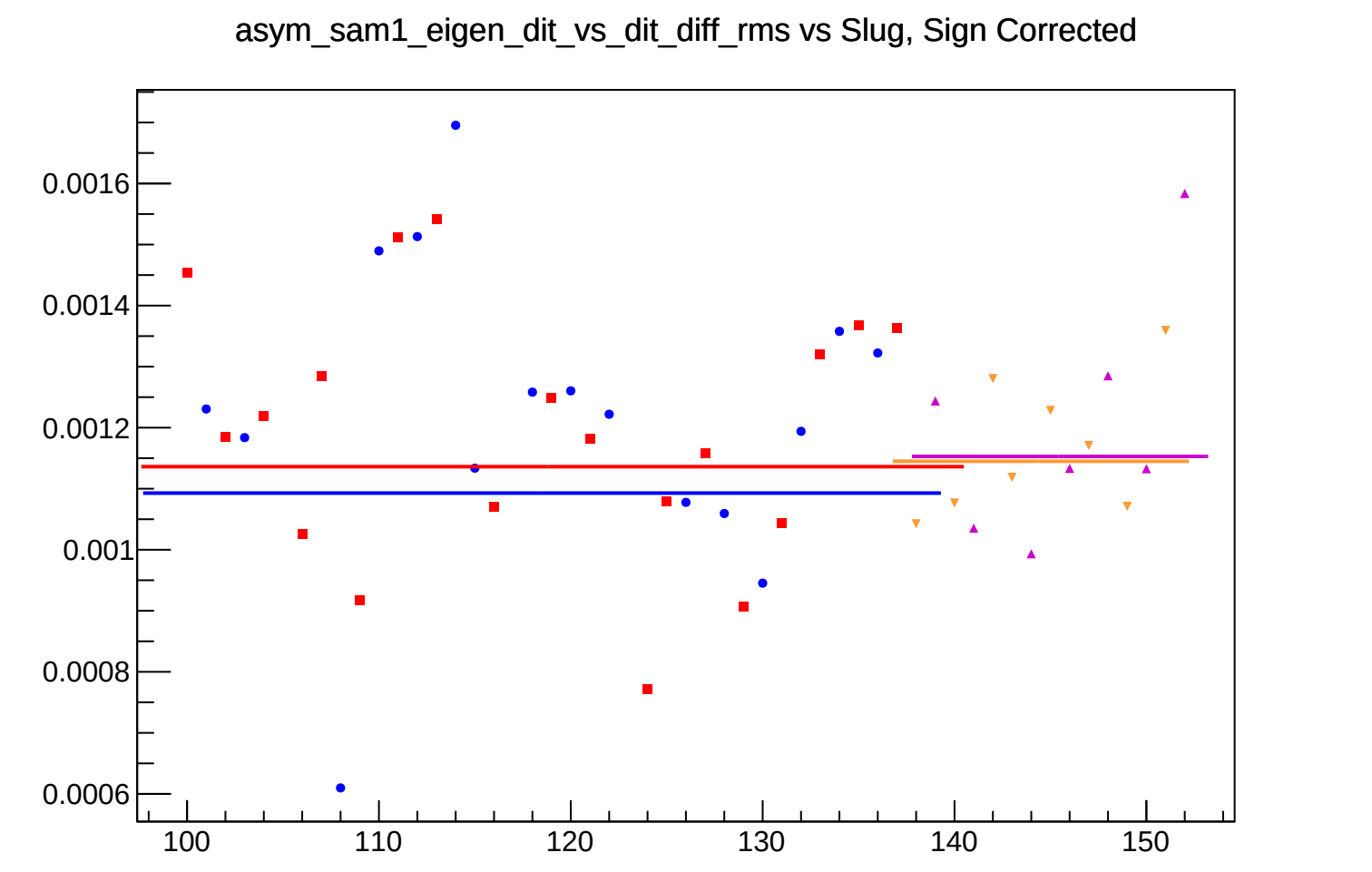
Left: -0.000+/-0.000 χ^2/NDF: 17.6/14

Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:25.2/22

Out: -0.000+/-0.000 χ^2/NDF:29.0/26

All: -0.000+/-0.000 χ^2/NDF: 58.0/49



Right In: 0.001+/-0.000 χ^2/NDF: 831840.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:89988.8/7

Right Out: 0.001+/-0.000 χ^2/NDF: 407257.8/18

Left In: 0.001+/-0.000 χ^2/NDF:222632.9/6

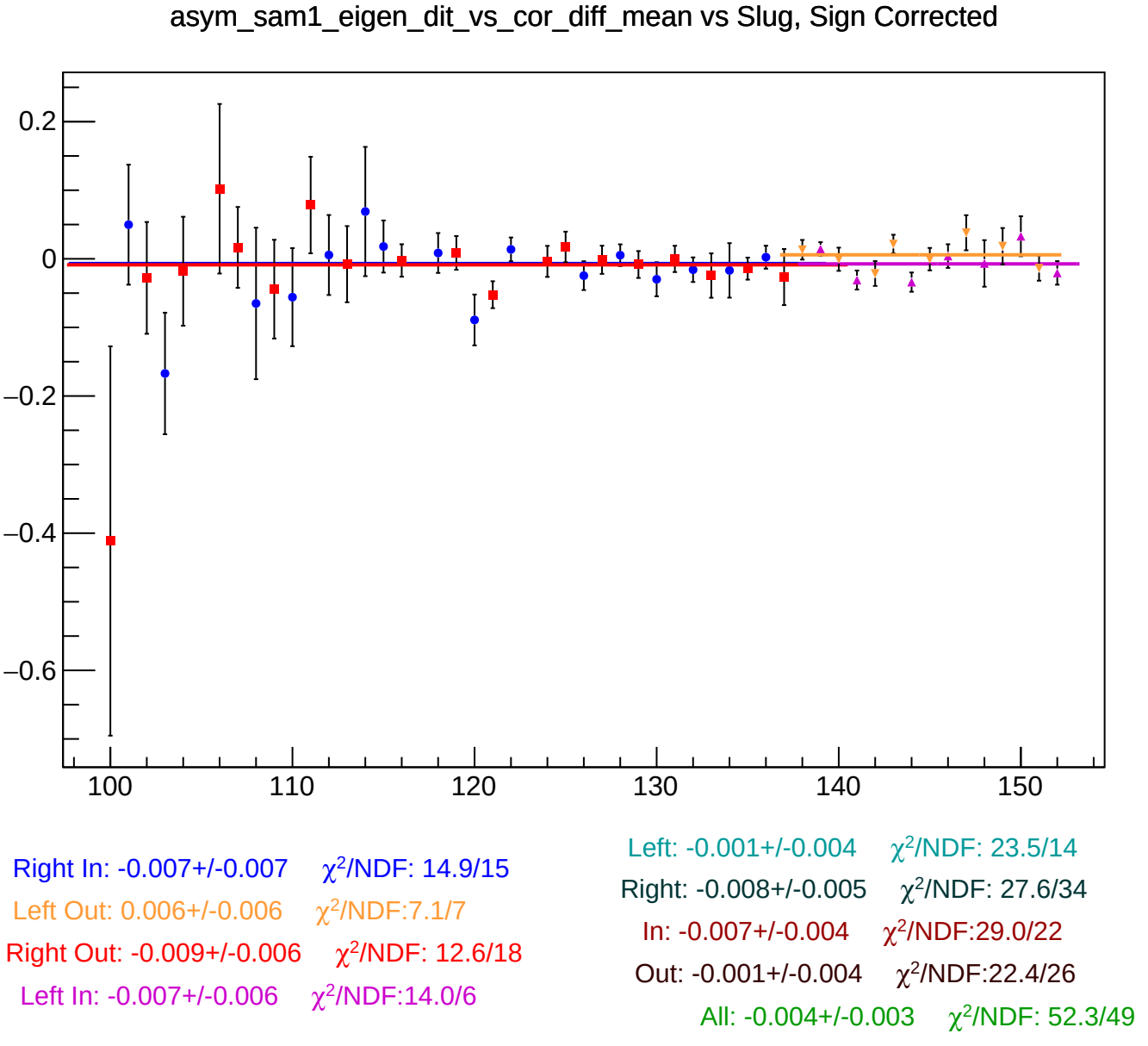
Left: 0.001+/-0.000 χ^2/NDF: 312909.9/14

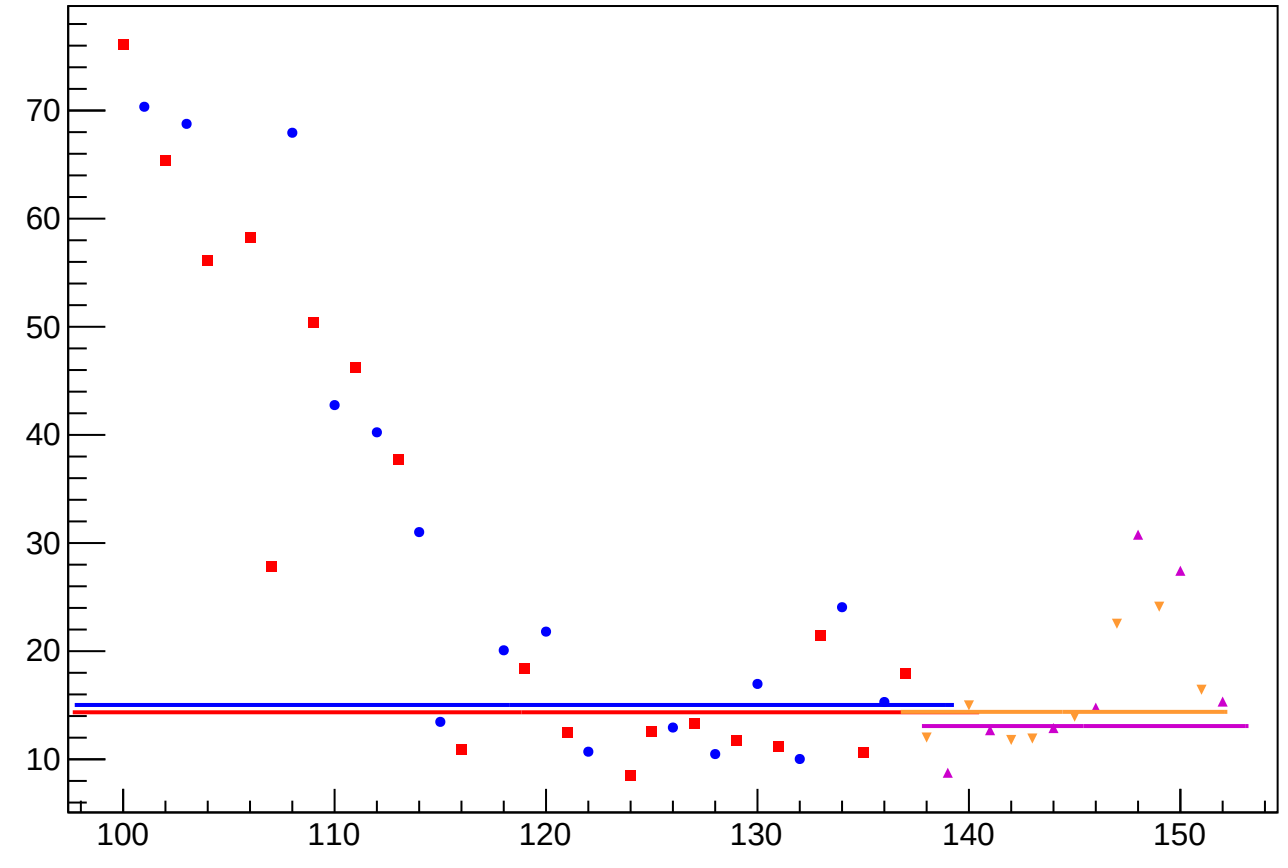
Right: 0.001+/-0.000 χ^2/NDF: 1249651.9/34

In: 0.001+/-0.000 χ^2/NDF:1072543.5/22

Out: 0.001+/-0.000 χ^2/NDF:497647.3/26

All: 0.001+/-0.000 χ^2/NDF: 1574610.6/49


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: -0.007+/-0.006 χ²/NDF:14.0/6
Left: -0.001+/-0.004 χ²/NDF: 23.5/14
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.007+/-0.004 χ²/NDF:29.0/22
Out: -0.001+/-0.004 χ²/NDF:22.4/26
All: -0.004+/-0.003 χ²/NDF: 52.3/49



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: 13.075+/-0.004 χ^2/NDF:1456428.4/6

Left: 13.702+/-0.003 χ^2/NDF: 2167878.3/14

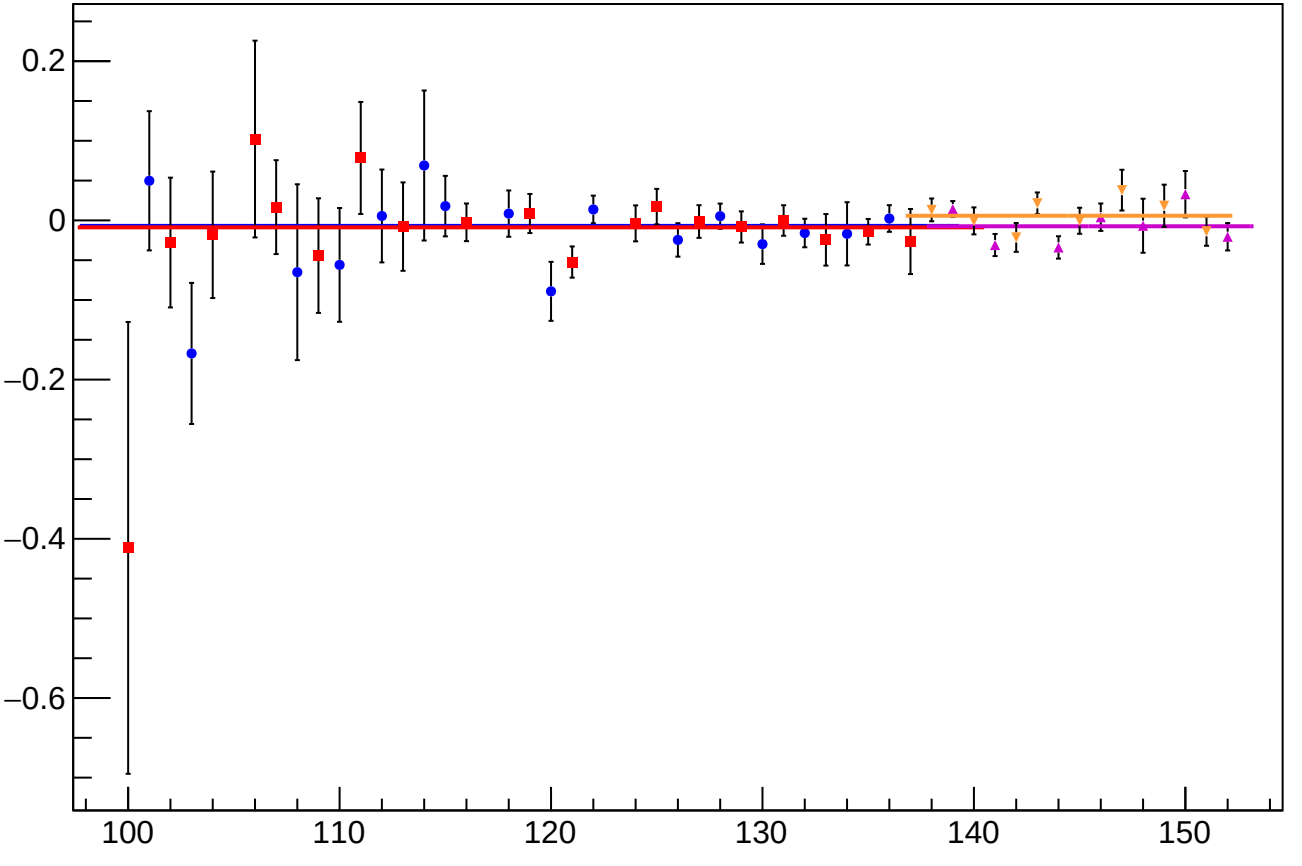
Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.918+/-0.003 χ^2/NDF:4990039.5/22

Out: 14.369+/-0.003 χ^2/NDF:4292720.3/26

All: 14.143+/-0.002 χ^2/NDF: 9293142.8/49

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.007+/-0.006 χ^2/NDF:14.0/6

Left: -0.001+/-0.004 χ^2/NDF: 23.5/14

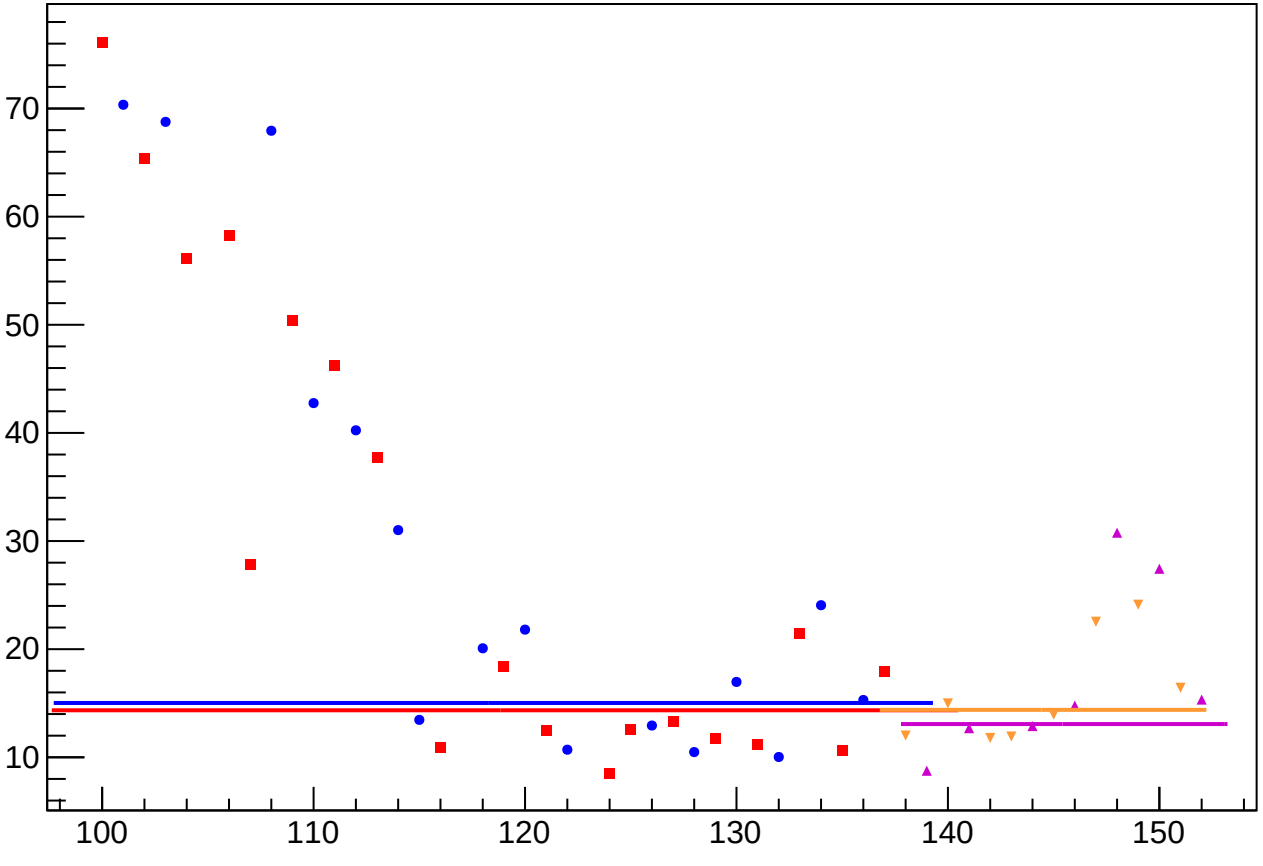
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.004 χ^2/NDF:29.0/22

Out: -0.001+/-0.004 χ^2/NDF:22.4/26

All: -0.004+/-0.003 χ^2/NDF: 52.3/49

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.388+/-0.004 χ^2/NDF:663674.3/7

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.075+/-0.004 χ^2/NDF:1456428.4/6

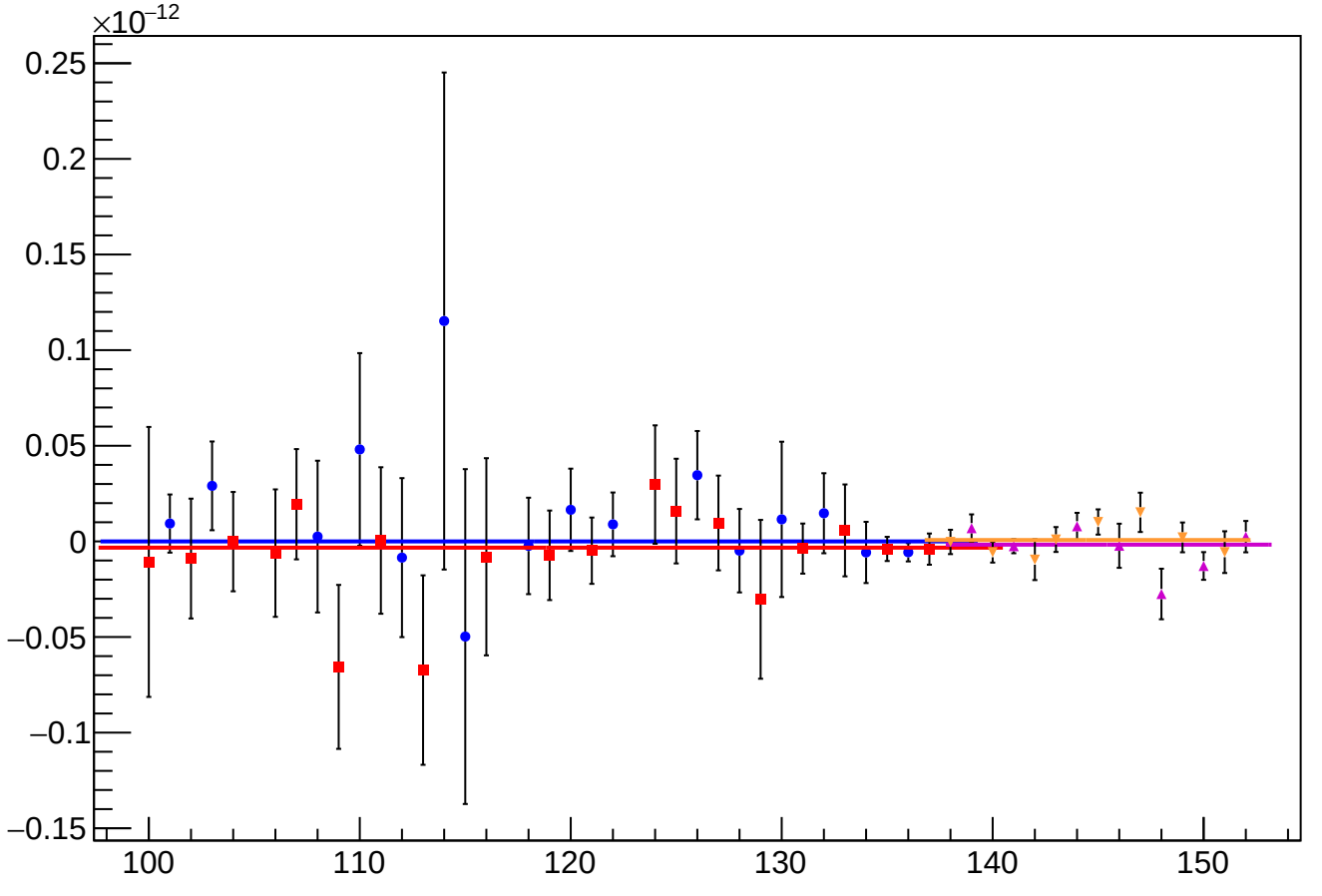
Left: 13.702+/-0.003 χ^2/NDF: 2167878.3/14

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.918+/-0.003 χ^2/NDF:4990039.5/22

Out: 14.369+/-0.003 χ^2/NDF:4292720.3/26

All: 14.143+/-0.002 χ^2/NDF: 9293142.8/49



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:9.8/6

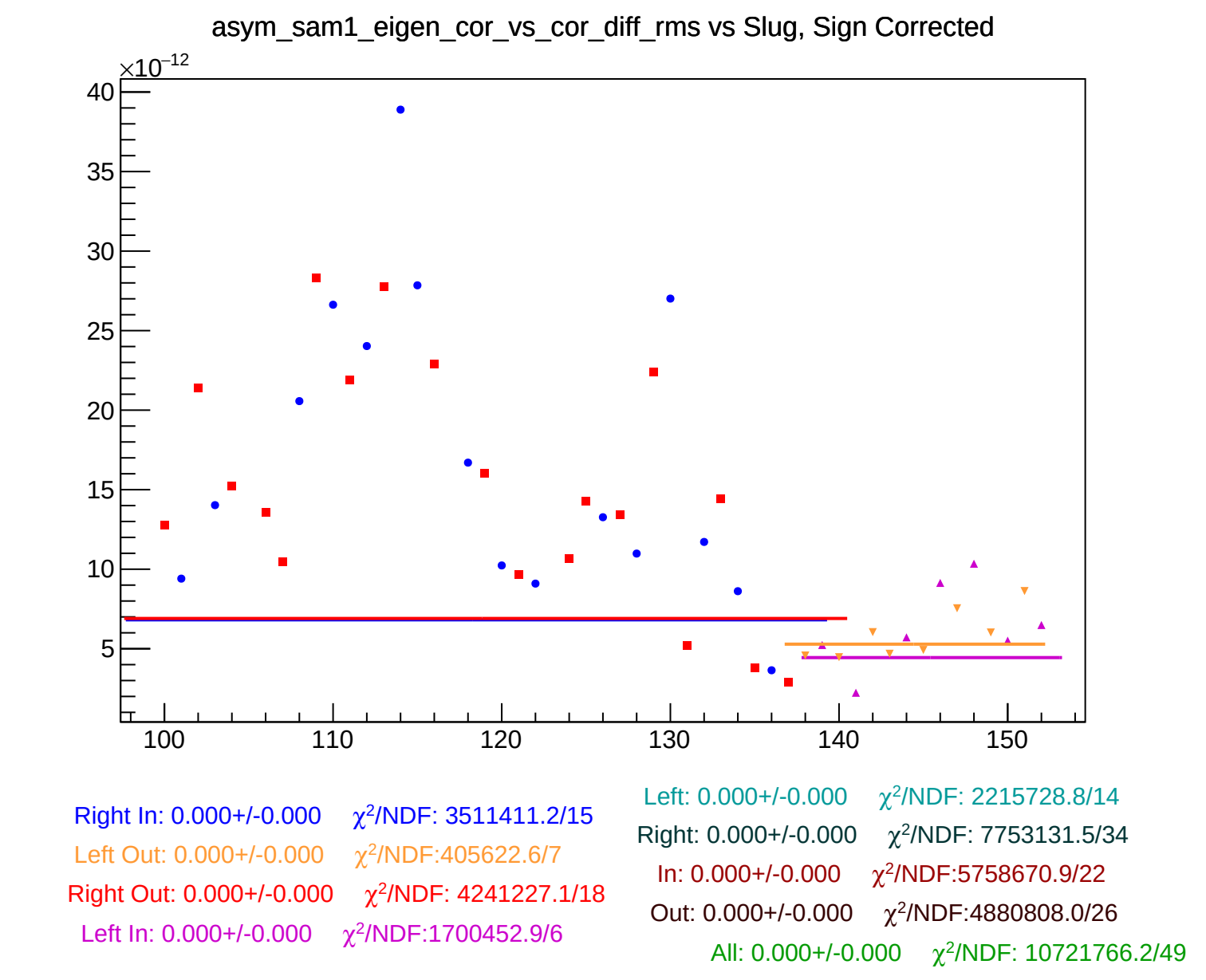
Left: -0.000+/-0.000 χ^2/NDF: 17.0/14

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

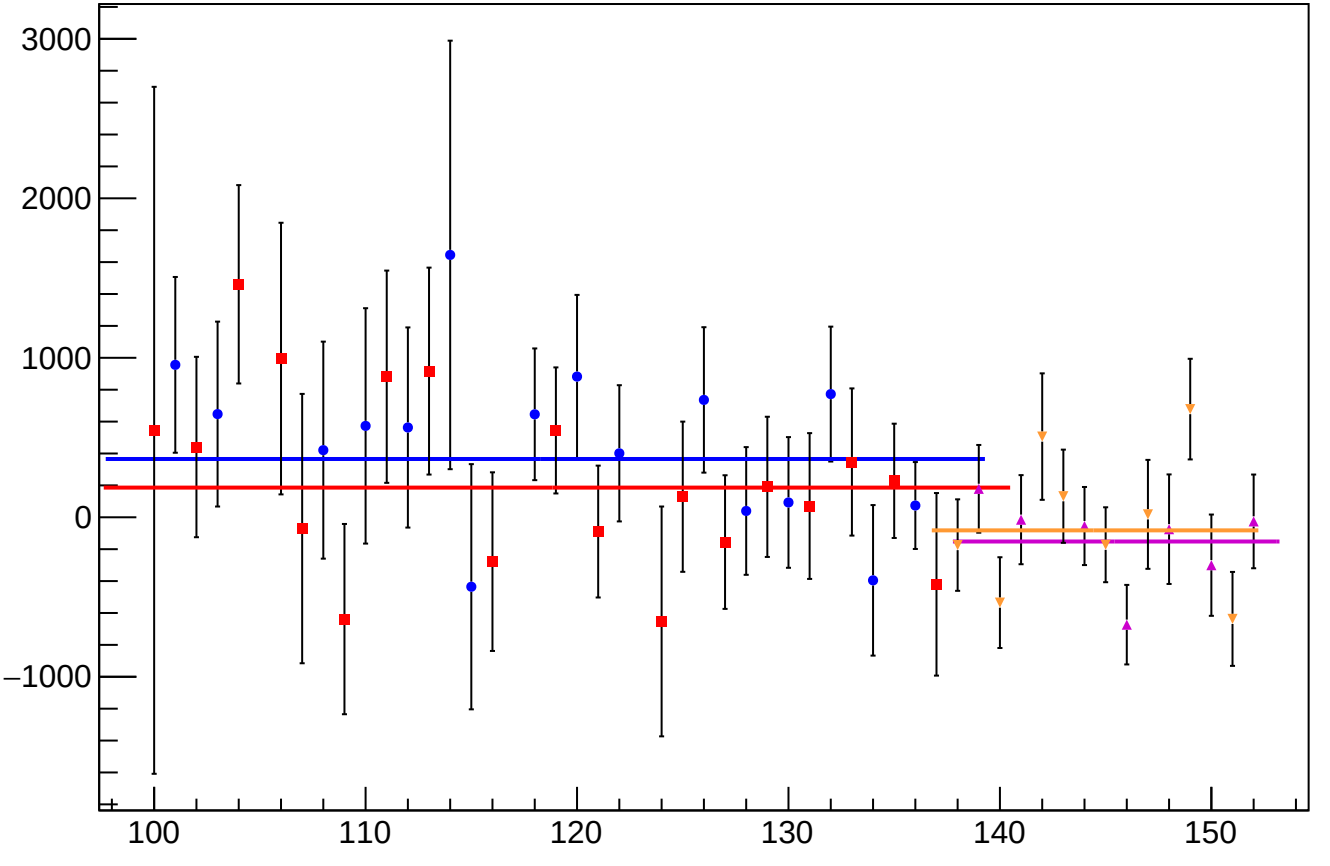
In: -0.000+/-0.000 χ^2/NDF:19.2/22

Out: -0.000+/-0.000 χ^2/NDF:14.4/26

All: -0.000+/-0.000 χ^2/NDF: 33.7/49


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:405622.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:1700452.9/6
Left: 0.000+/-0.000 χ²/NDF: 2215728.8/14
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:5758670.9/22
Out: 0.000+/-0.000 χ²/NDF:4880808.0/26
All: 0.000+/-0.000 χ²/NDF: 10721766.2/49

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: -151.870+/-106.134 χ^2/NDF:6.7/6

Left: -116.542+/-74.615 χ^2/NDF: 21.8/14

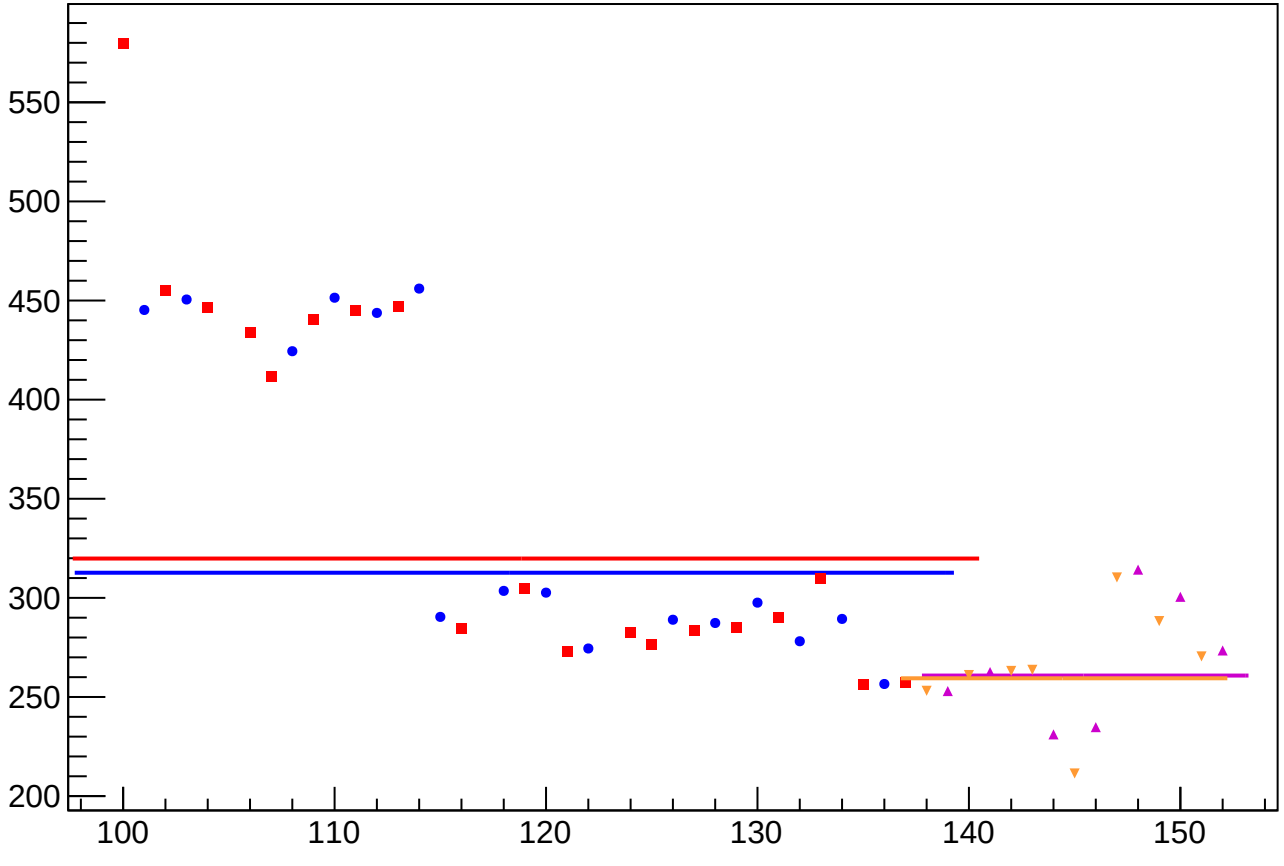
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 77.635+/-79.170 χ^2/NDF:28.7/22

Out: 33.955+/-79.039 χ^2/NDF:32.8/26

All: 55.759+/-55.935 χ^2/NDF: 61.6/49

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: 260.808+/-0.075 χ^2/NDF:136299.3/6

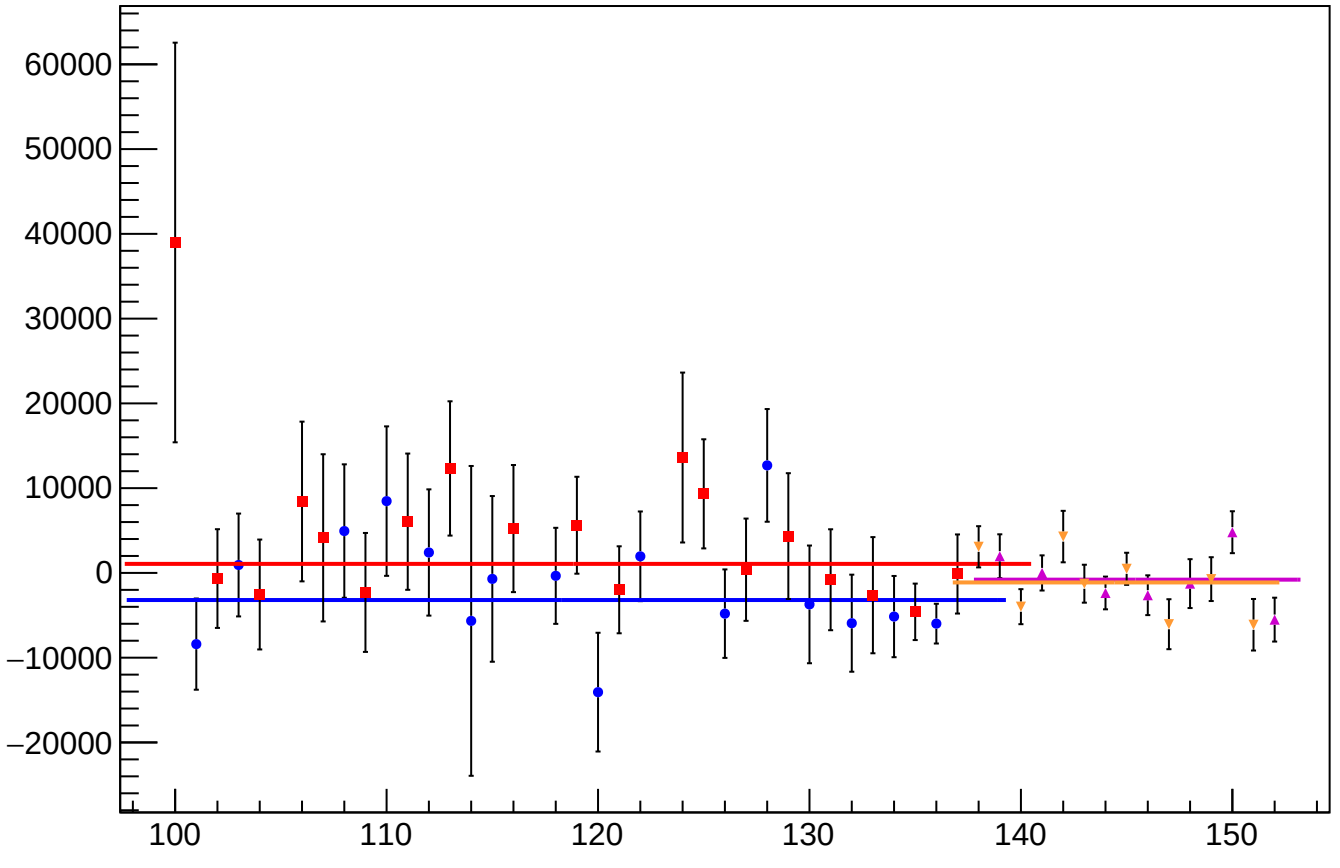
Left: 260.113+/-0.053 χ^2/NDF: 285600.5/14

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 283.818+/-0.056 χ^2/NDF:950436.0/22

Out: 285.558+/-0.056 χ^2/NDF:1133740.1/26

All: 284.689+/-0.040 χ^2/NDF: 2084660.1/49



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: -795.065+/-888.999 χ^2/NDF:11.0/6

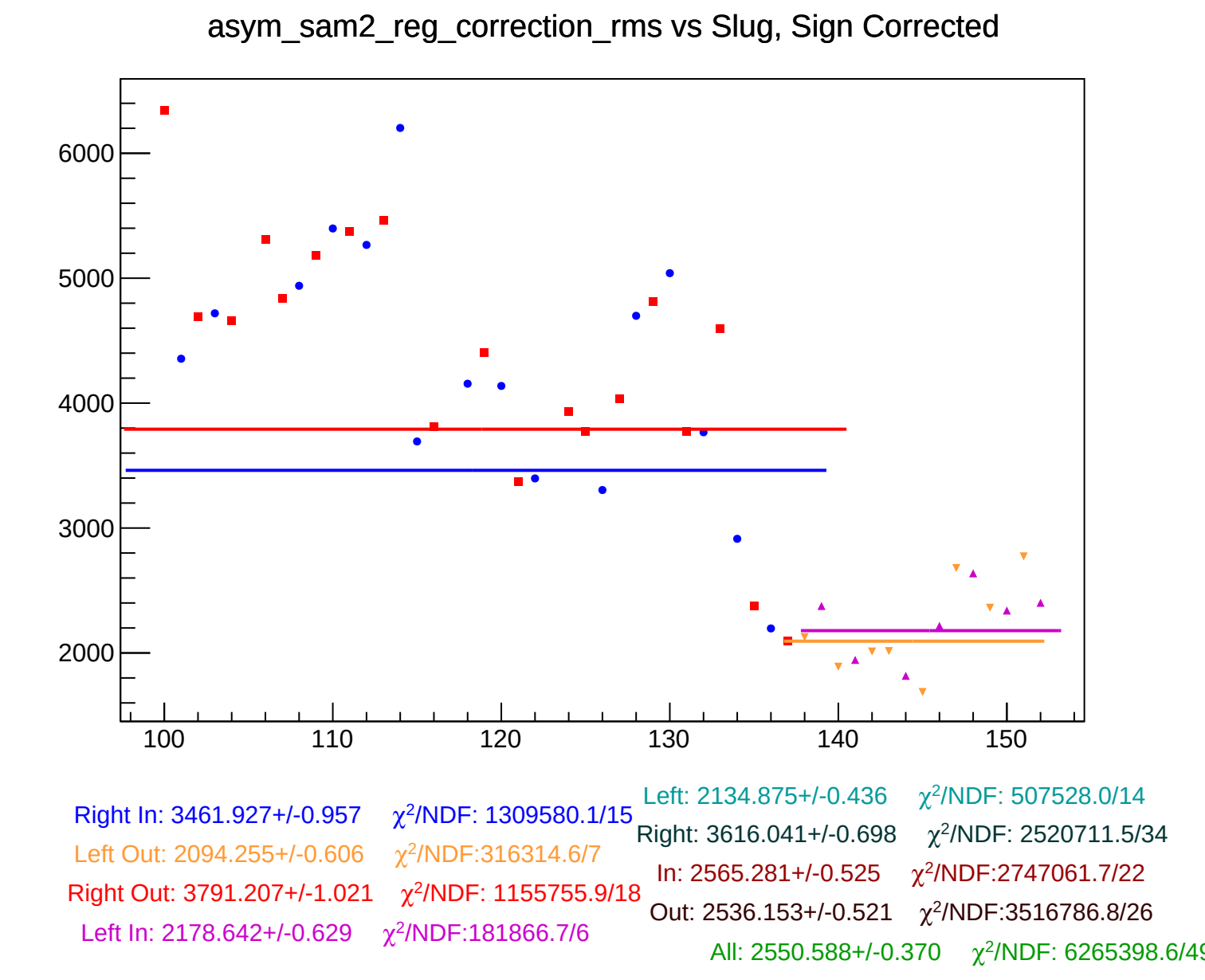
Left: -965.714+/-616.782 χ^2/NDF: 25.4/14

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

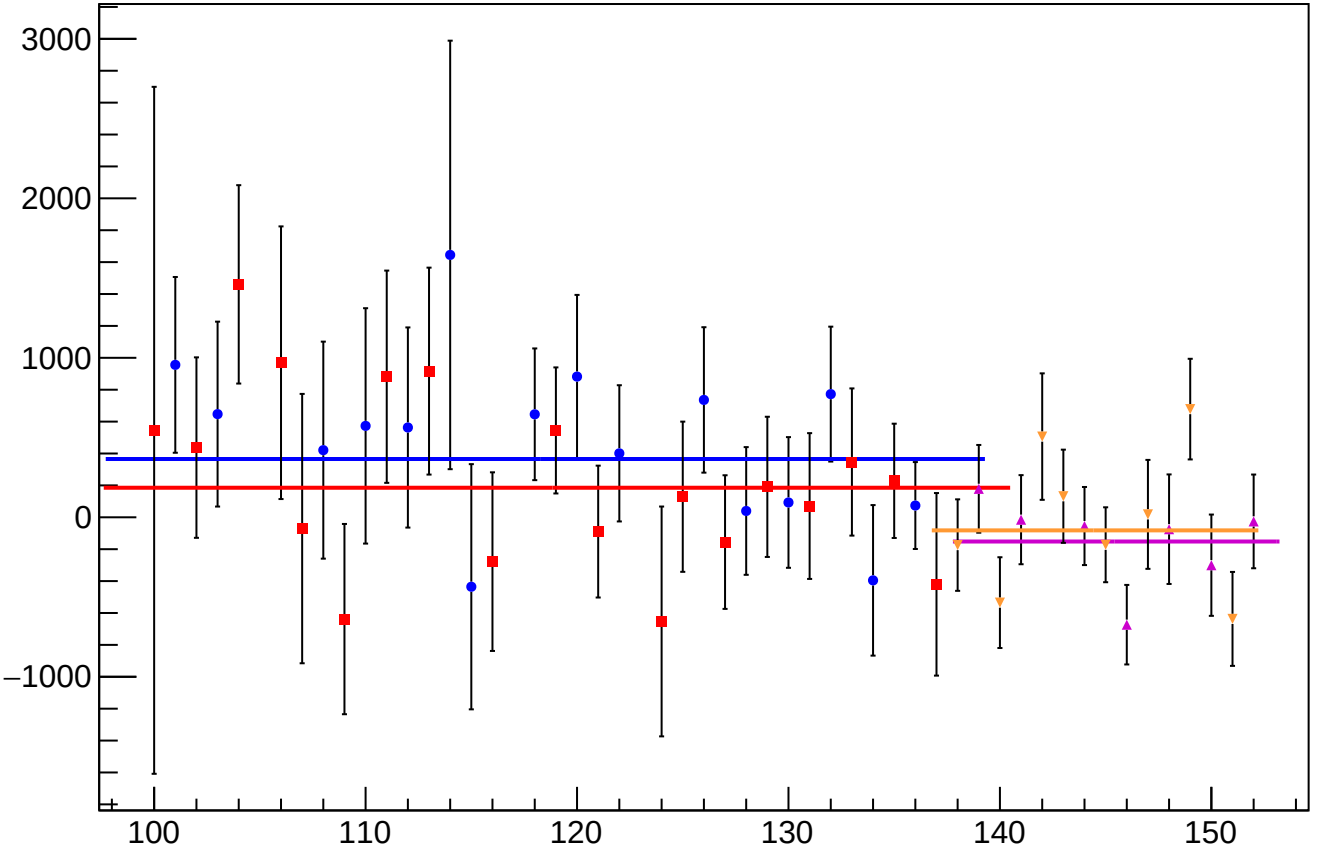
In: -1519.265+/-743.105 χ^2/NDF:29.3/22

Out: -553.792+/-736.531 χ^2/NDF:30.4/26

All: -1032.239+/-523.115 χ^2/NDF: 60.6/49


asym_sam2_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 3461.927+/-0.957 χ²/NDF: 1309580.1/15
Left Out: 2094.255+/-0.606 χ²/NDF:316314.6/7
Right Out: 3791.207+/-1.021 χ²/NDF: 1155755.9/18
Left In: 2178.642+/-0.629 χ²/NDF:181866.7/6
Left: 2134.875+/-0.436 χ²/NDF: 507528.0/14
Right: 3616.041+/-0.698 χ²/NDF: 2520711.5/34
In: 2565.281+/-0.525 χ²/NDF:2747061.7/22
Out: 2536.153+/-0.521 χ²/NDF:3516786.8/26
All: 2550.588+/-0.370 χ²/NDF: 6265398.6/49

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: -151.864+/-106.134 χ^2/NDF:6.7/6

Left: -116.537+/-74.615 χ^2/NDF: 21.9/14

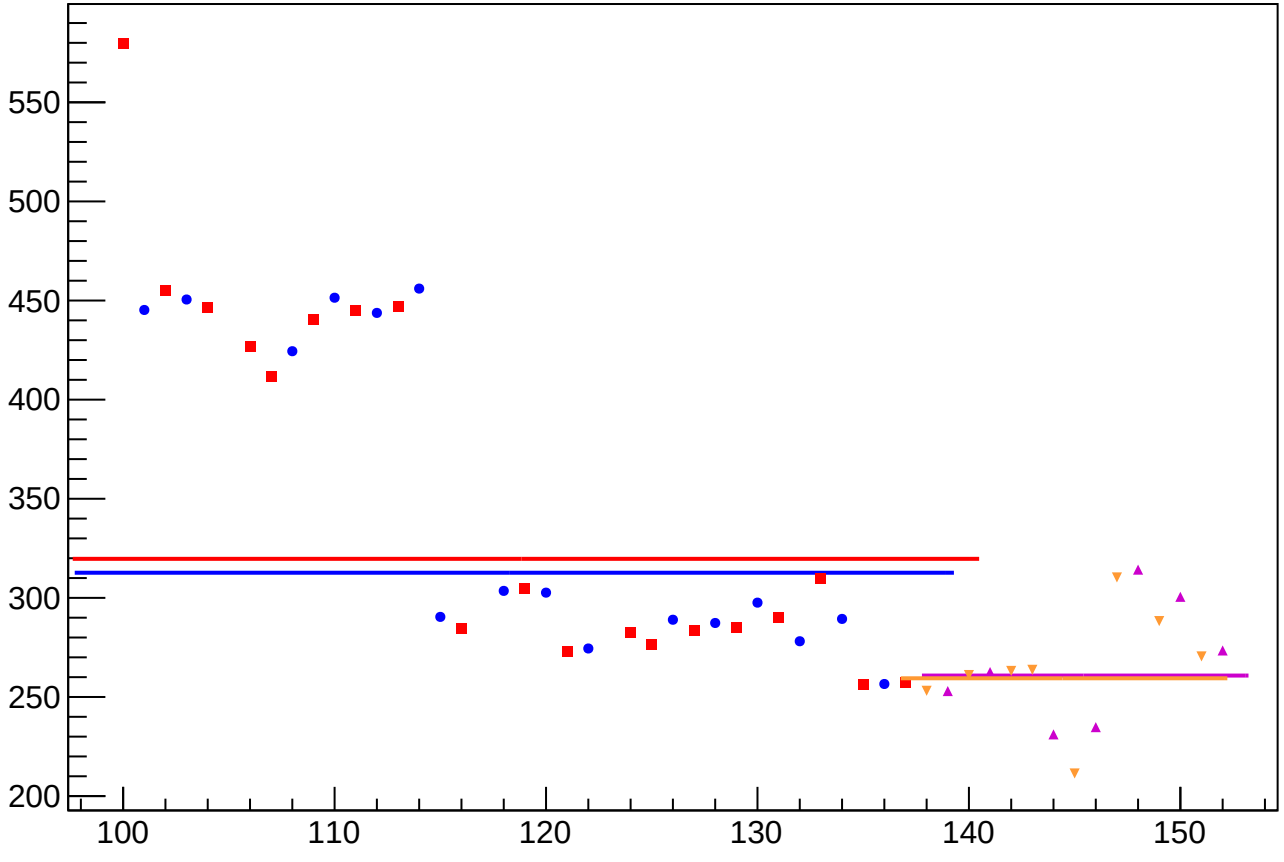
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 77.631+/-79.170 χ^2/NDF:28.7/22

Out: 33.594+/-79.042 χ^2/NDF:32.7/26

All: 55.577+/-55.937 χ^2/NDF: 61.6/49

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: 260.808+/-0.075 χ^2/NDF:136299.3/6

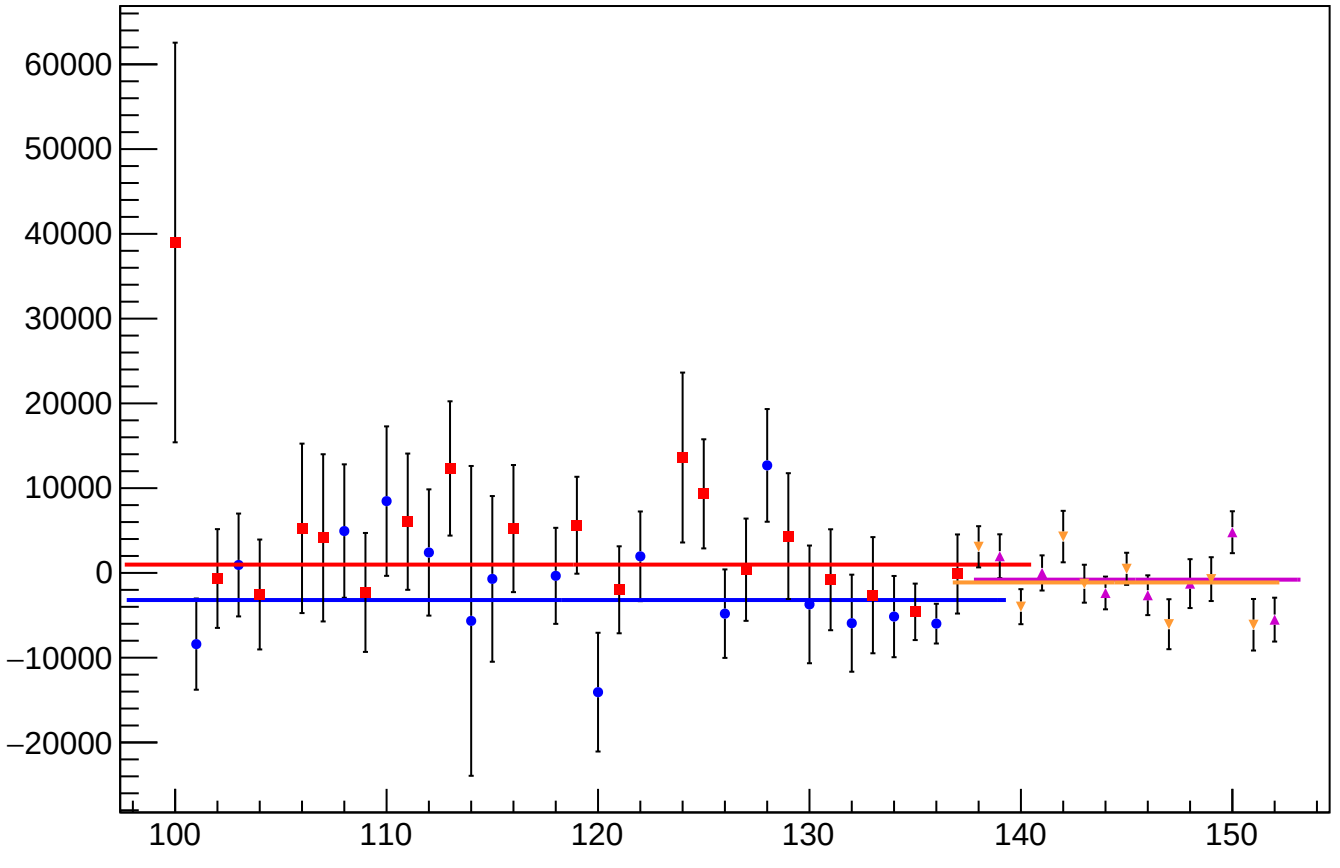
Left: 260.113+/-0.053 χ^2/NDF: 285600.5/14

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 283.818+/-0.056 χ^2/NDF:950437.6/22

Out: 285.491+/-0.056 χ^2/NDF:1128141.6/26

All: 284.656+/-0.040 χ^2/NDF: 2079026.7/49



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: -795.049+/-888.999 χ^2/NDF:11.0/6

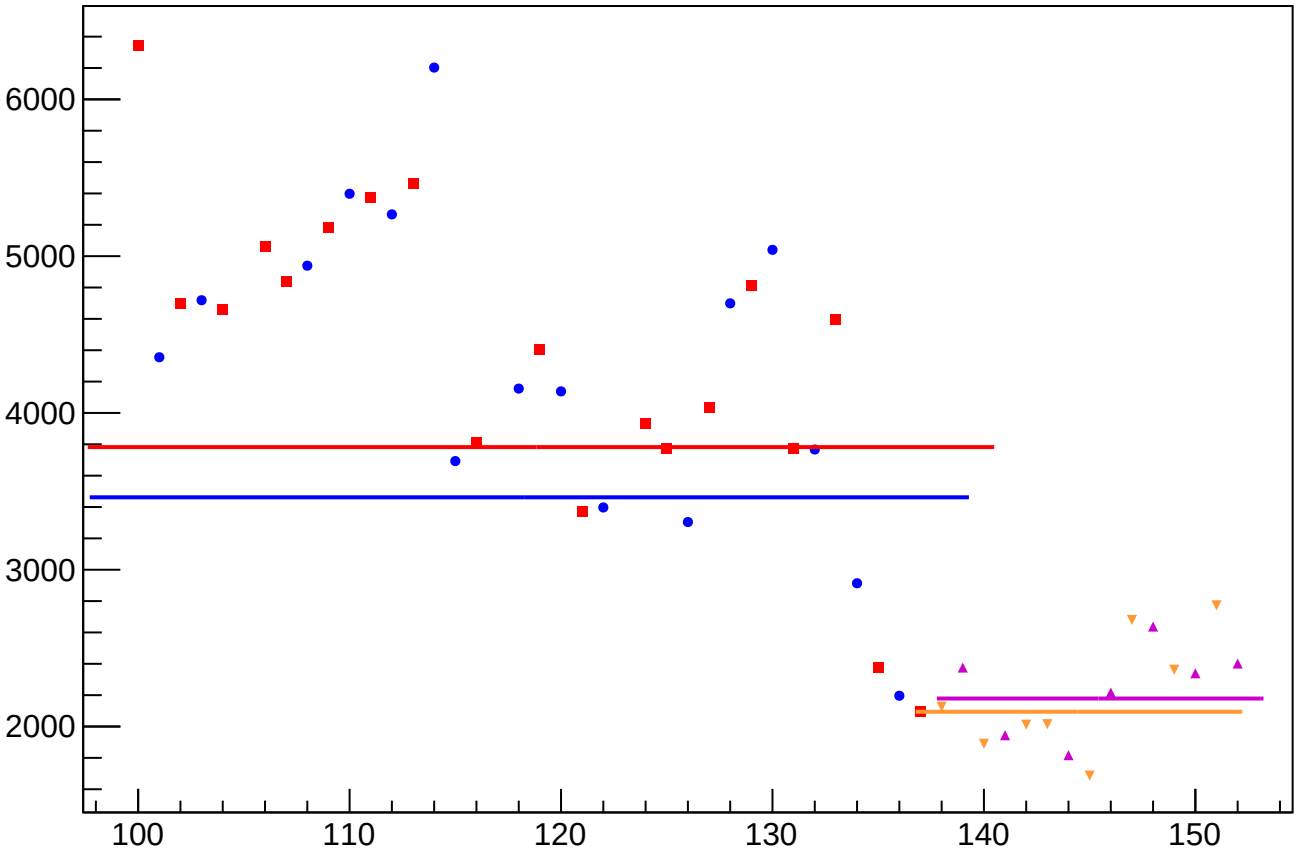
Left: -965.703+/-616.782 χ^2/NDF: 25.4/14

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1519.231+/-743.106 χ^2/NDF:29.3/22

Out: -577.009+/-736.788 χ^2/NDF:29.8/26

All: -1044.098+/-523.207 χ^2/NDF: 60.0/49



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: 2178.643+/-0.629 χ^2/NDF:181867.4/6

Left: 2134.875+/-0.436 χ^2/NDF: 507529.7/14

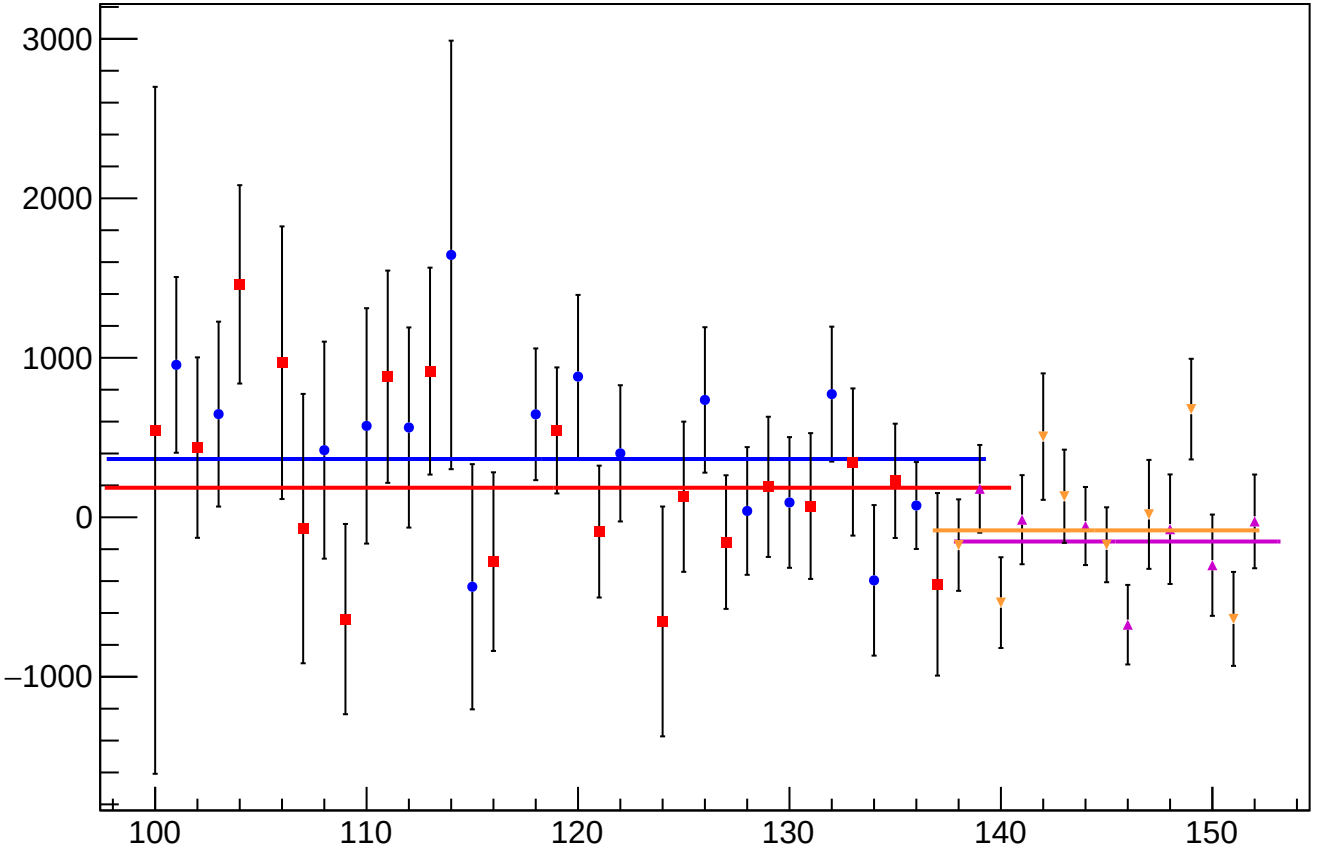
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2565.282+/-0.525 χ^2/NDF:2747081.5/22

Out: 2532.929+/-0.521 χ^2/NDF:3471656.5/26

All: 2548.967+/-0.370 χ^2/NDF: 6220649.8/49

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: -151.864+/-106.134 χ^2/NDF:6.7/6

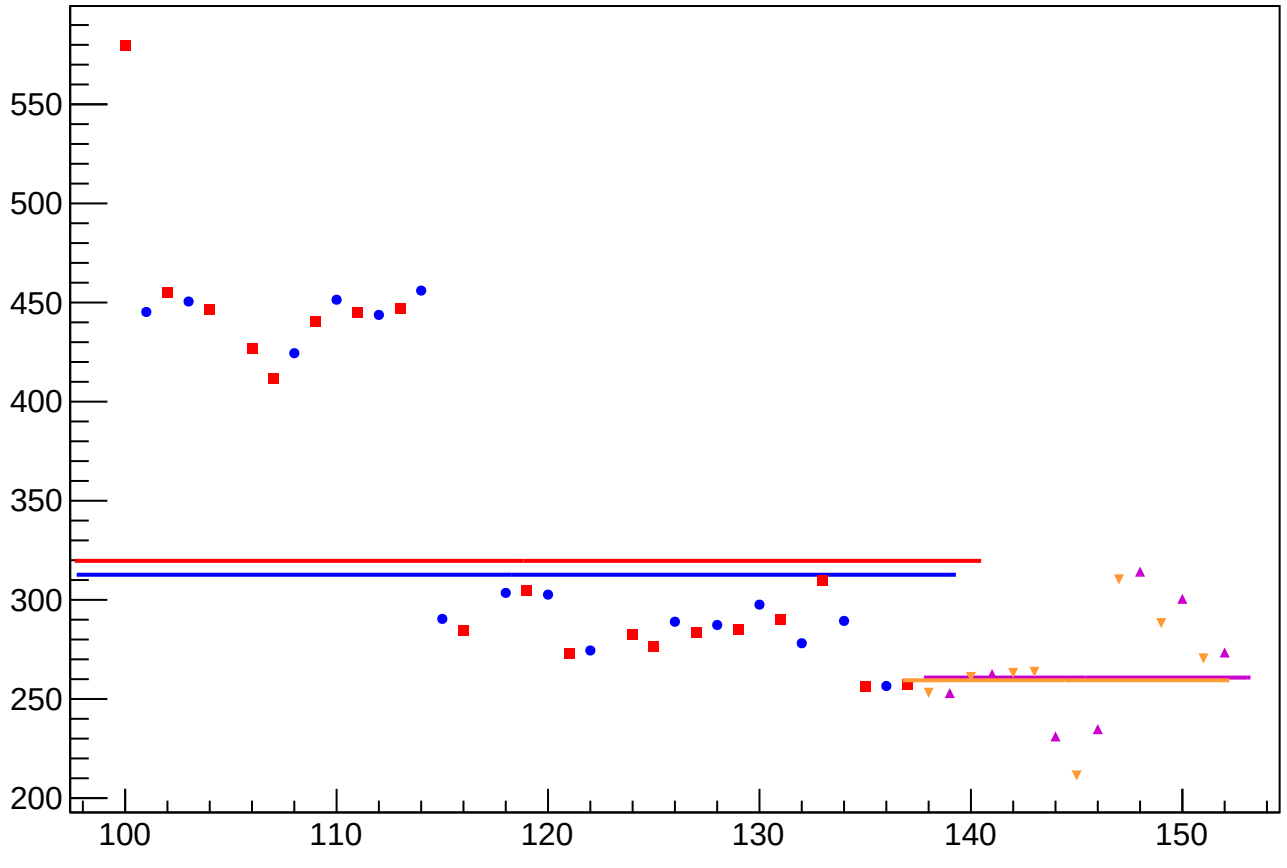
Left: -116.537+/-74.615 χ^2/NDF: 21.9/14

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 77.631+/-79.170 χ^2/NDF:28.7/22

Out: 33.594+/-79.042 χ^2/NDF:32.7/26

All: 55.577+/-55.937 χ^2/NDF: 61.6/49



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: 260.808+/-0.075 χ^2/NDF:136299.3/6

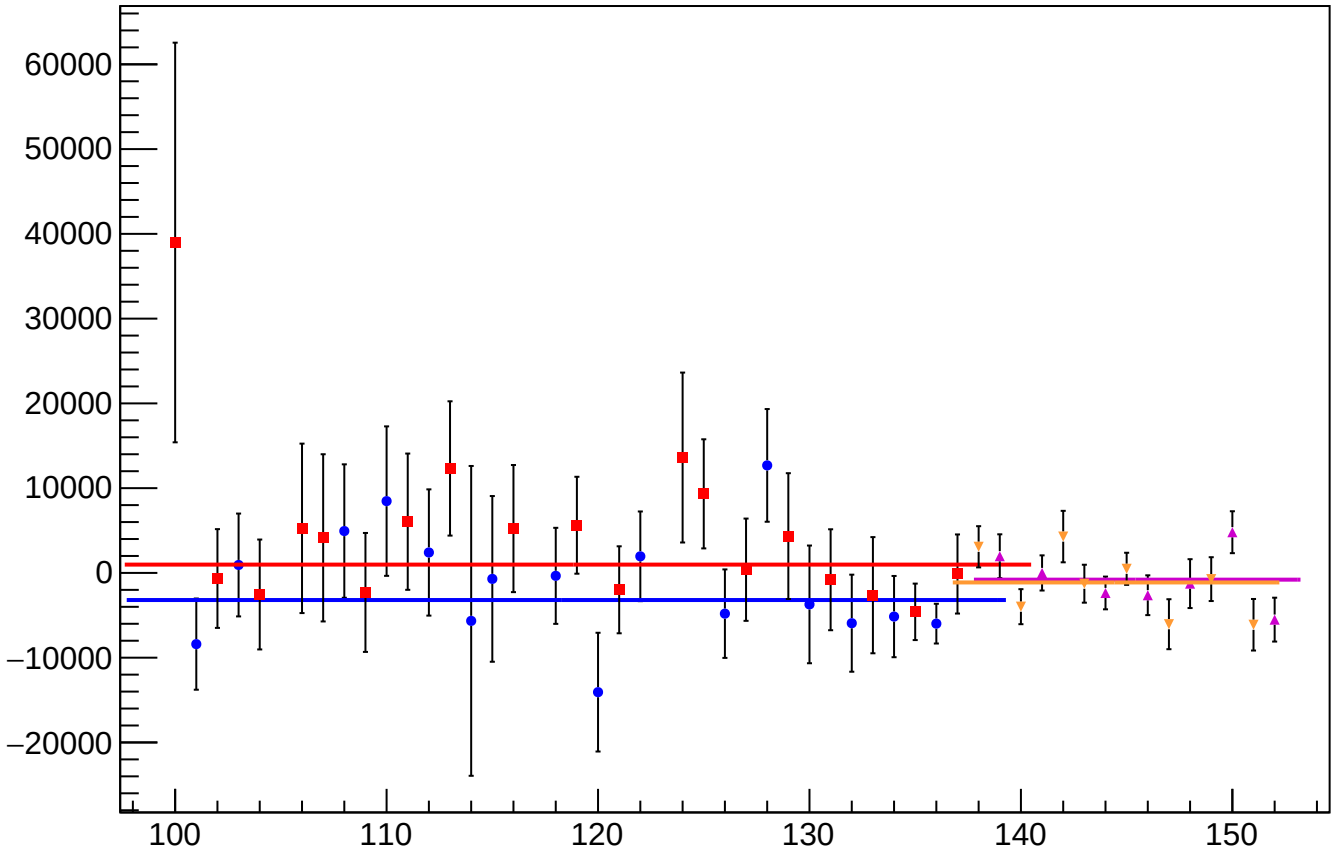
Left: 260.113+/-0.053 χ^2/NDF: 285600.5/14

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 283.818+/-0.056 χ^2/NDF:950437.6/22

Out: 285.491+/-0.056 χ^2/NDF:1128141.6/26

All: 284.656+/-0.040 χ^2/NDF: 2079026.7/49



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: -795.049+/-888.999 χ^2/NDF:11.0/6

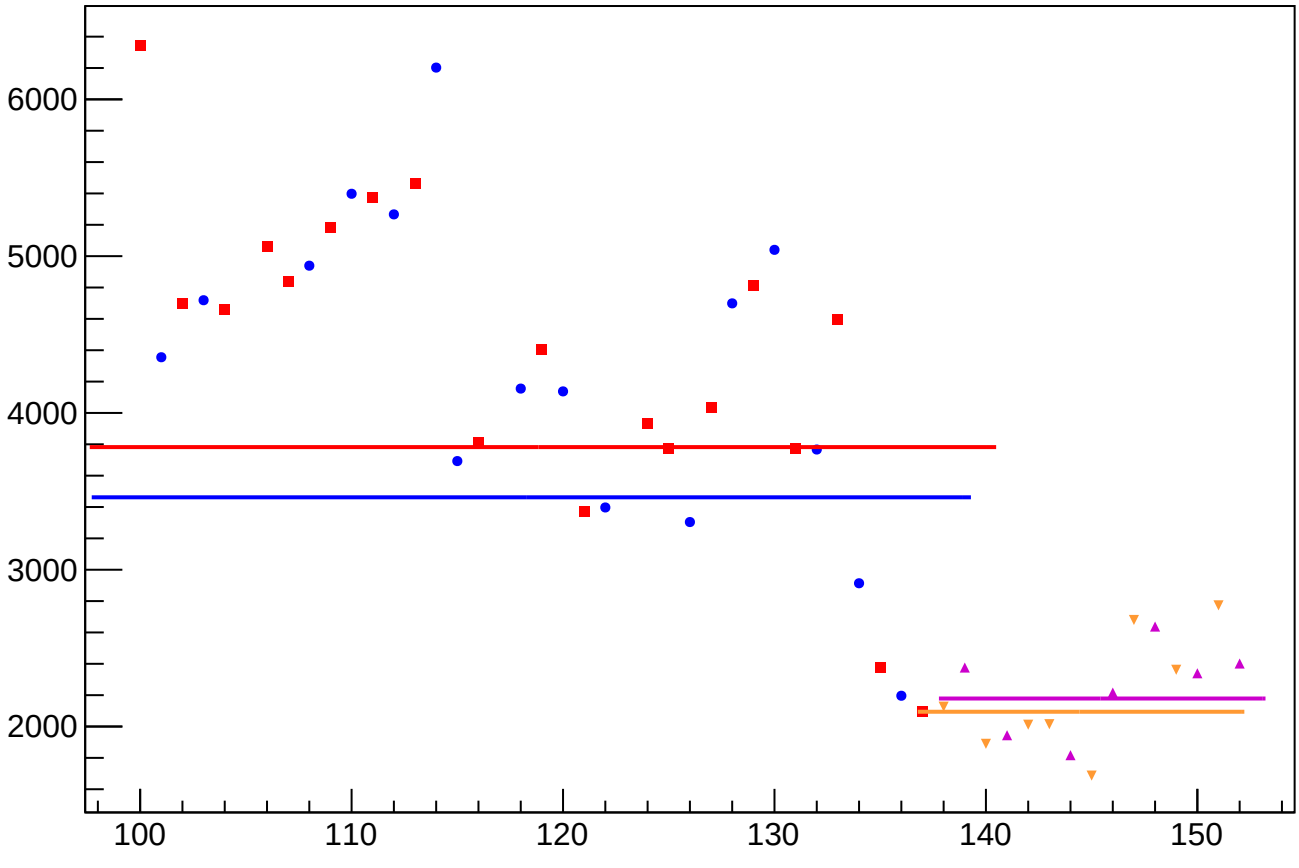
Left: -965.703+/-616.782 χ^2/NDF: 25.4/14

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1519.231+/-743.106 χ^2/NDF:29.3/22

Out: -577.009+/-736.788 χ^2/NDF:29.8/26

All: -1044.098+/-523.207 χ^2/NDF: 60.0/49



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: 2178.643+/-0.629 χ^2/NDF:181867.4/6

Left: 2134.875+/-0.436 χ^2/NDF: 507529.7/14

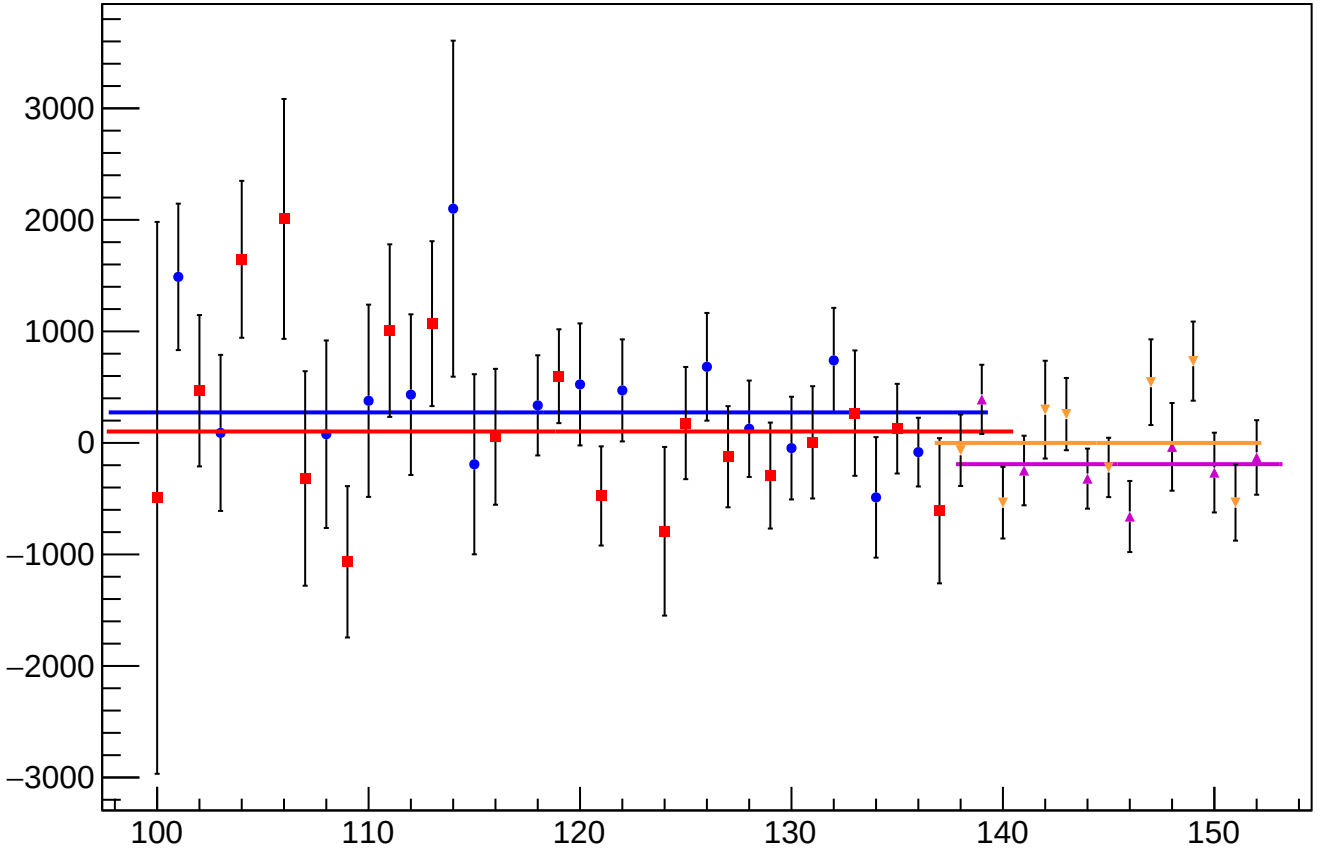
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2565.282+/-0.525 χ^2/NDF:2747081.5/22

Out: 2532.929+/-0.521 χ^2/NDF:3471656.5/26

All: 2548.967+/-0.370 χ^2/NDF: 6220649.8/49

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -0.116+/-118.202 χ^2/NDF:13.3/7

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -190.656+/-121.681 χ^2/NDF:6.2/6

Left: -92.623+/-84.785 χ^2/NDF: 20.8/14

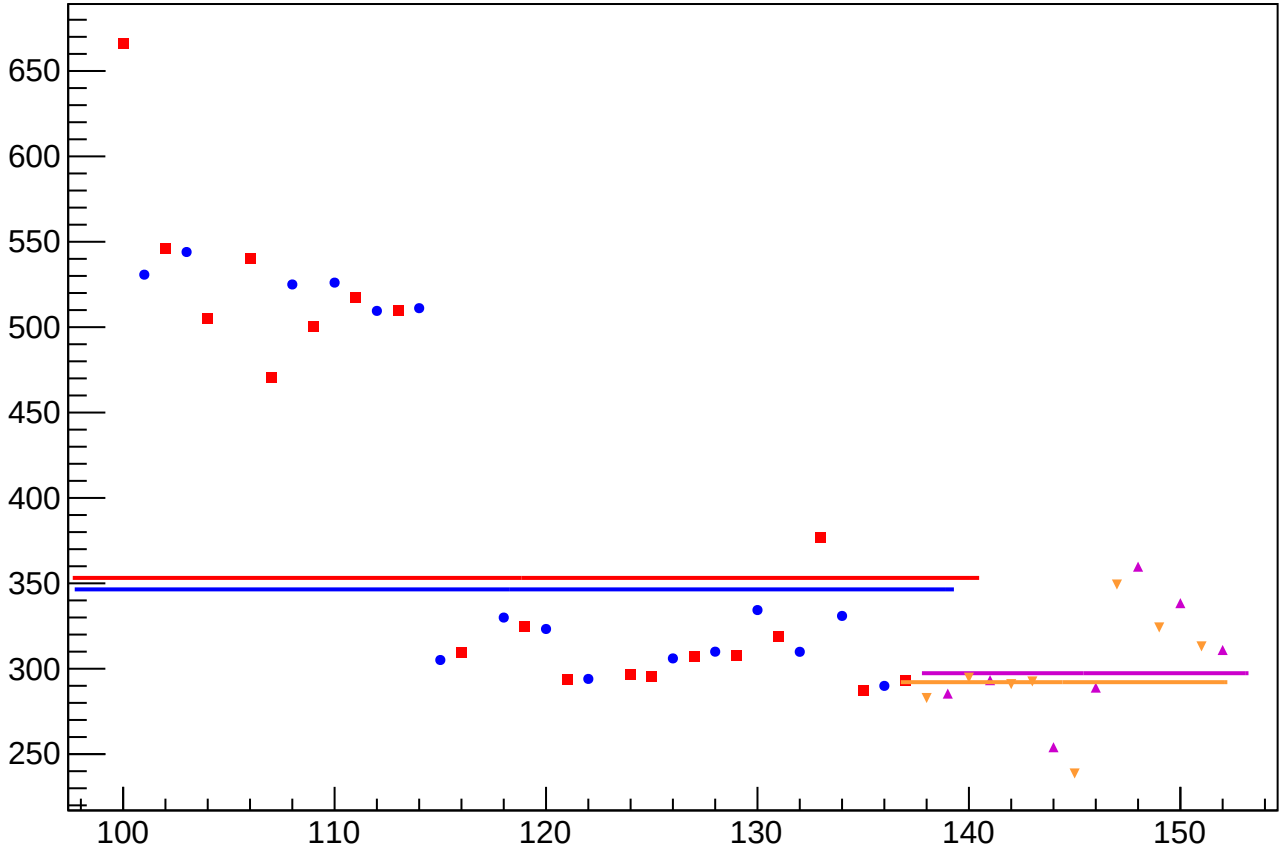
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: 21.673+/-89.634 χ^2/NDF:24.3/22

Out: 44.880+/-88.529 χ^2/NDF:35.0/26

All: 33.421+/-62.987 χ^2/NDF: 59.3/49

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: 297.374+/-0.086 χ^2/NDF:136519.6/6

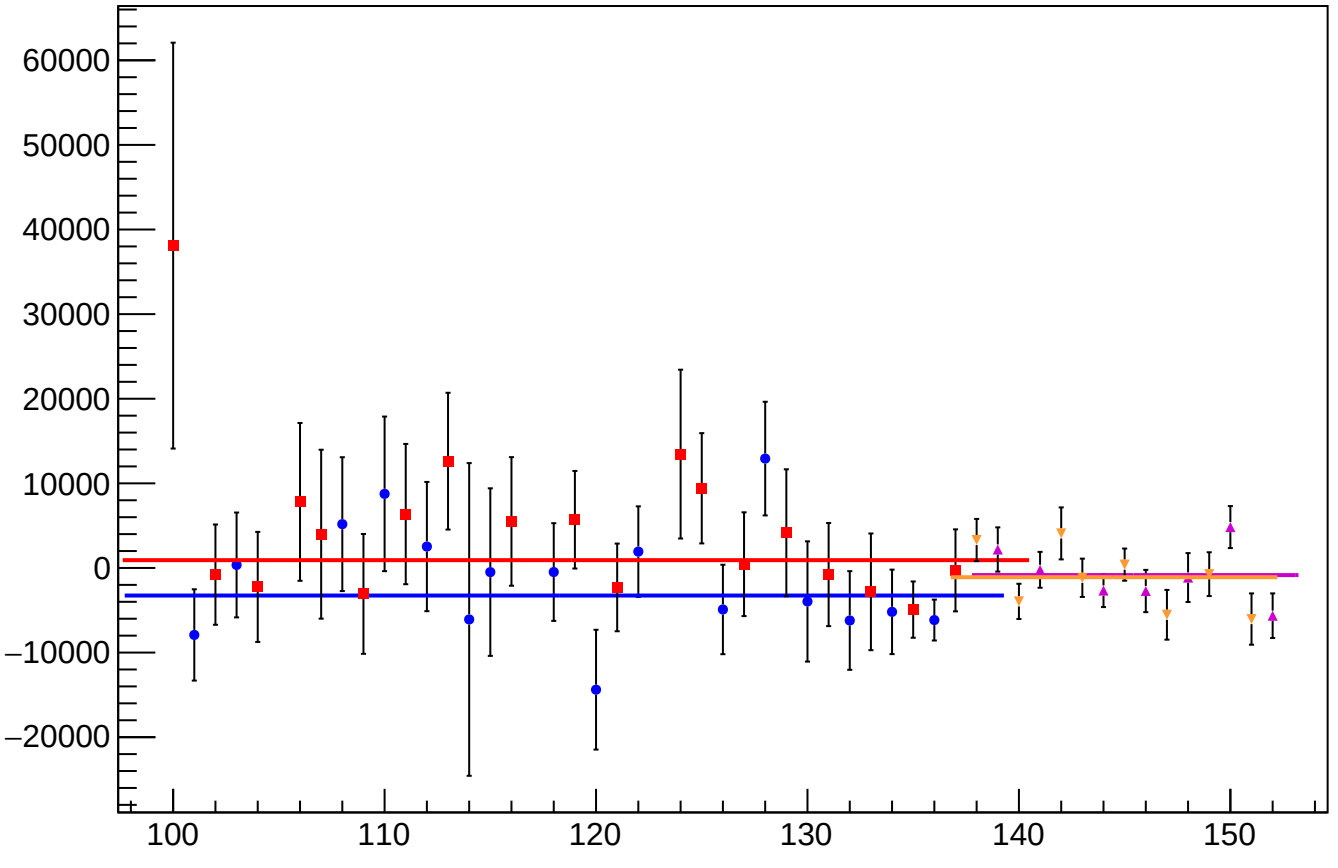
Left: 294.672+/-0.060 χ^2/NDF: 289043.6/14

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 319.822+/-0.063 χ^2/NDF:1054109.2/22

Out: 318.929+/-0.063 χ^2/NDF:1251250.5/26

All: 319.370+/-0.045 χ^2/NDF: 2305460.1/49



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1095.771+/-862.528 χ^2/NDF:13.4/7

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -843.649+/-906.723 χ^2/NDF:11.4/6

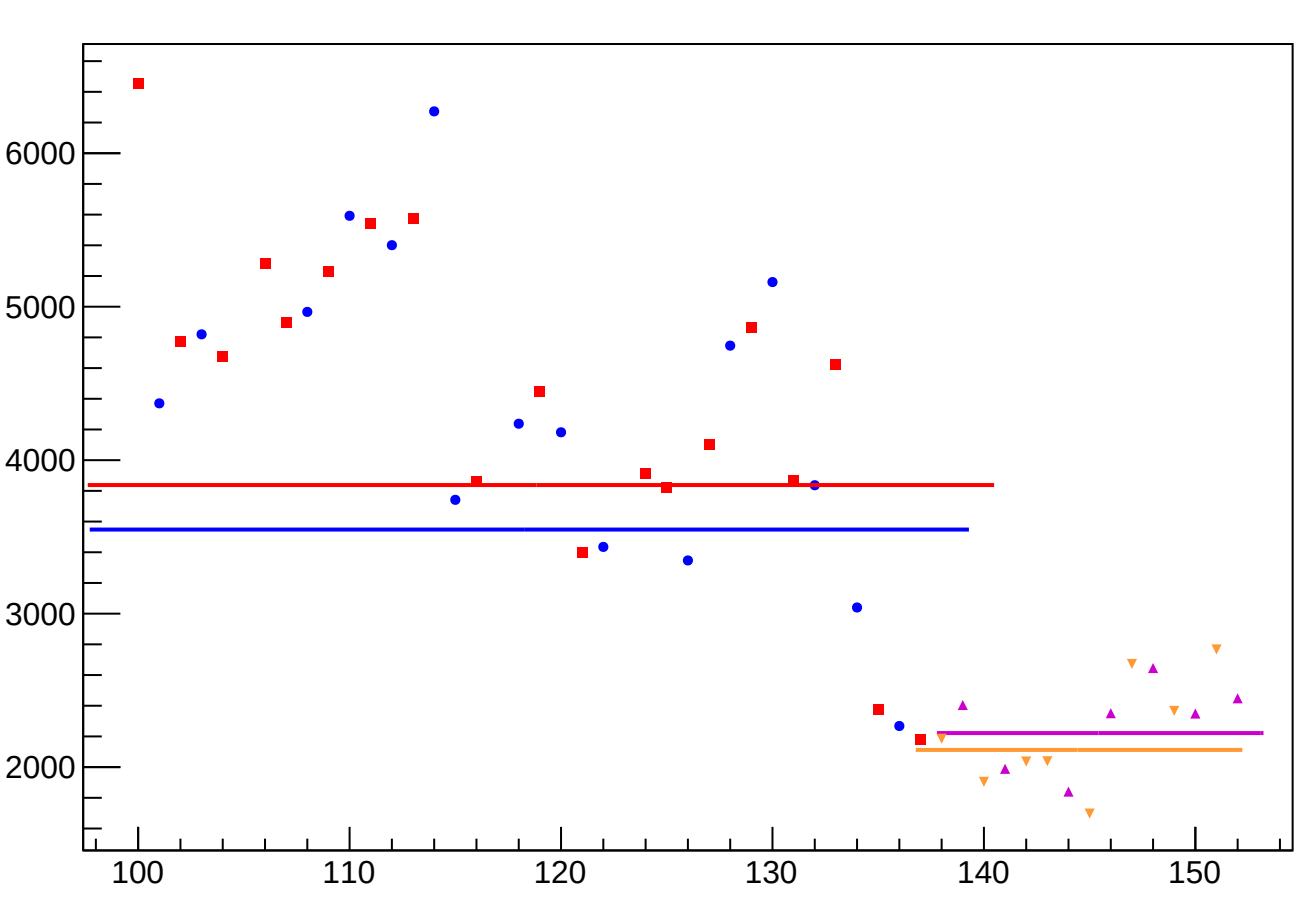
Left: -976.004+/-624.939 χ^2/NDF: 24.9/14

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -1568.866+/-758.470 χ^2/NDF:29.6/22

Out: -574.333+/-742.713 χ^2/NDF:29.5/26

All: -1061.162+/-530.661 χ^2/NDF: 59.9/49



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: 2221.876+/-0.641 χ^2/NDF:178348.3/6

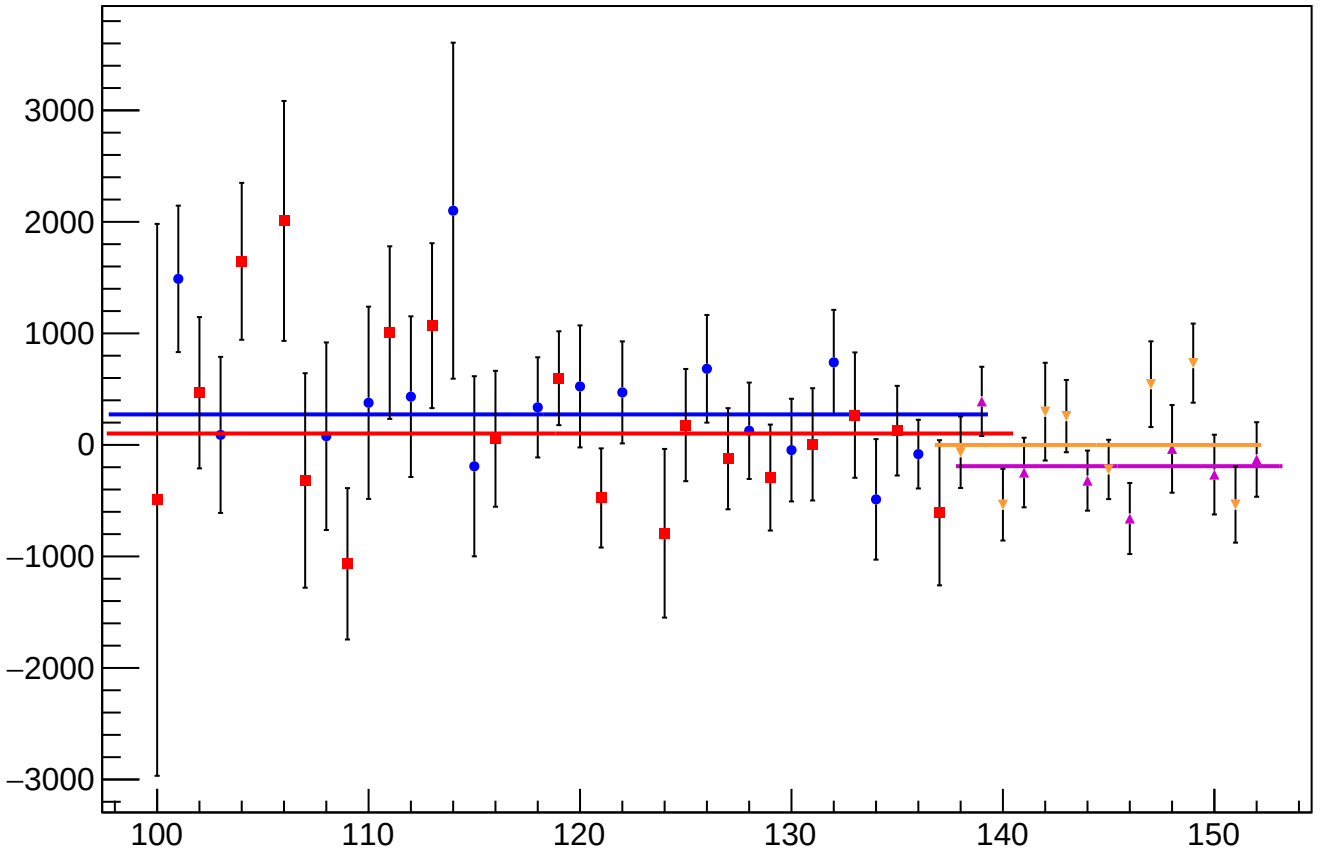
Left: 2164.302+/-0.442 χ^2/NDF: 499208.8/14

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2620.067+/-0.536 χ^2/NDF:2721371.7/22

Out: 2558.359+/-0.525 χ^2/NDF:3531242.2/26

All: 2588.565+/-0.375 χ^2/NDF: 6259372.1/49



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: -190.659+/-121.682 χ^2/NDF:6.2/6

Left: -92.626+/-84.785 χ^2/NDF: 20.8/14

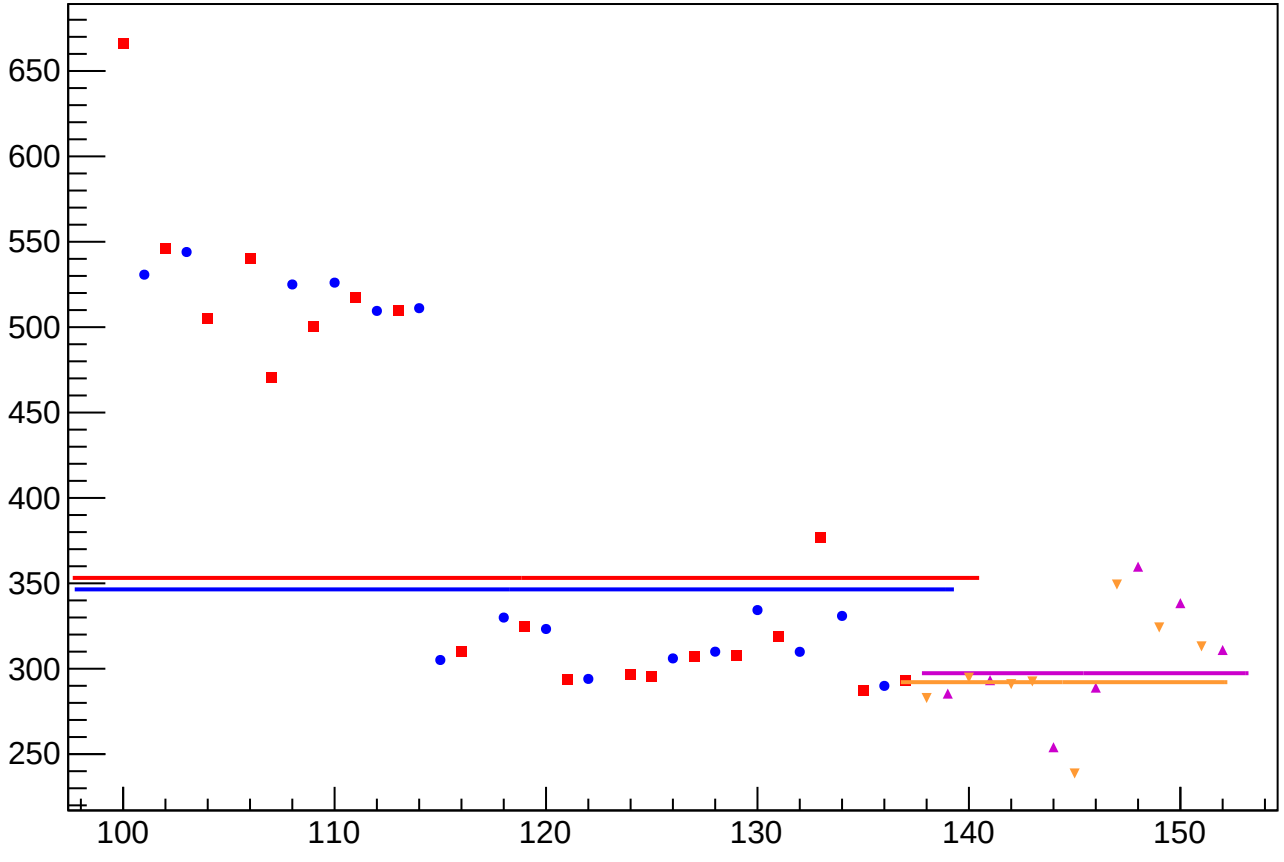
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: 21.675+/-89.634 χ^2/NDF:24.3/22

Out: 44.878+/-88.529 χ^2/NDF:35.0/26

All: 33.420+/-62.986 χ^2/NDF: 59.3/49

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: 297.374+/-0.086 χ^2/NDF:136521.3/6

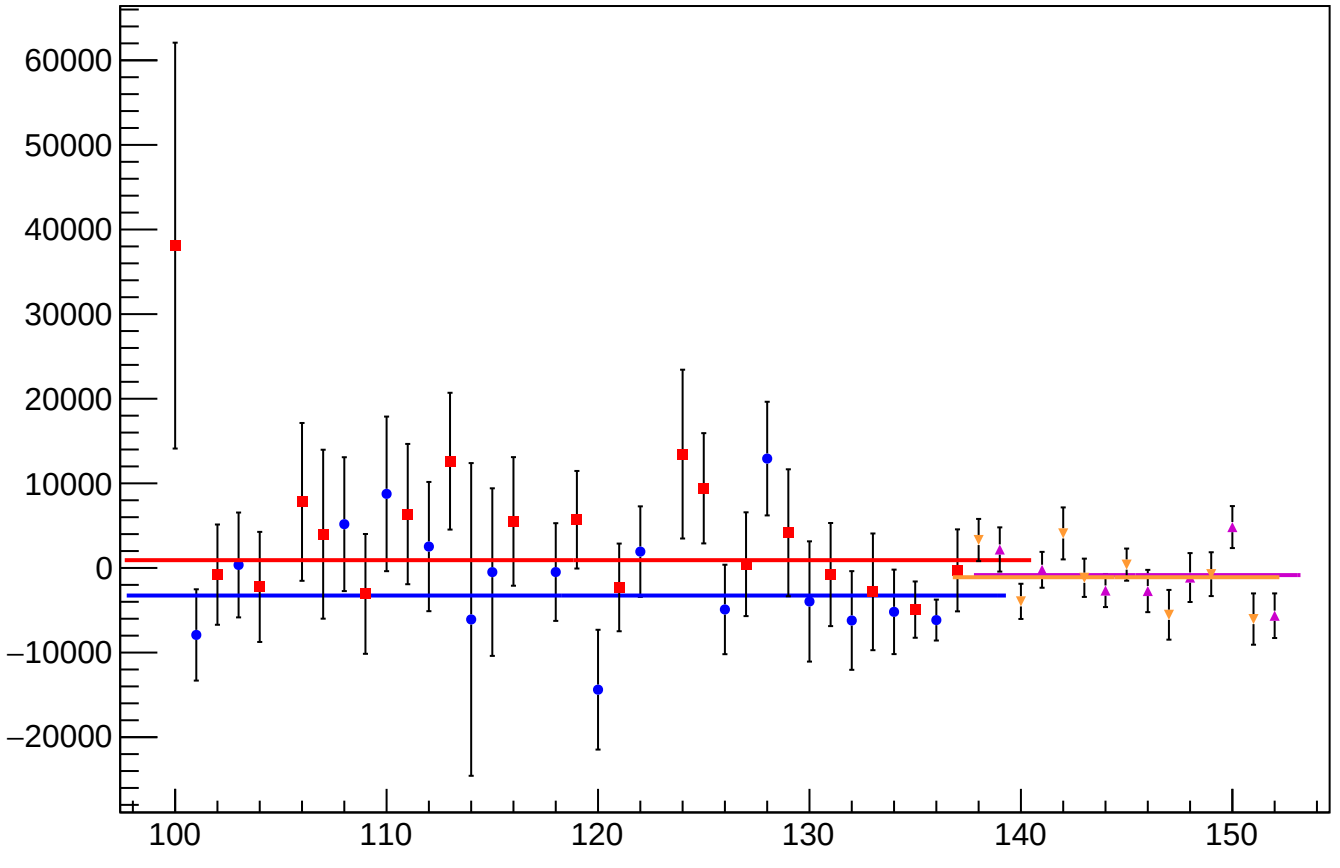
Left: 294.673+/-0.060 χ^2/NDF: 289048.2/14

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 319.822+/-0.063 χ^2/NDF:1054090.5/22

Out: 318.929+/-0.063 χ^2/NDF:1251233.2/26

All: 319.370+/-0.045 χ^2/NDF: 2305424.1/49



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1095.771+/-862.527 χ^2/NDF:13.4/7

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -843.646+/-906.722 χ^2/NDF:11.4/6

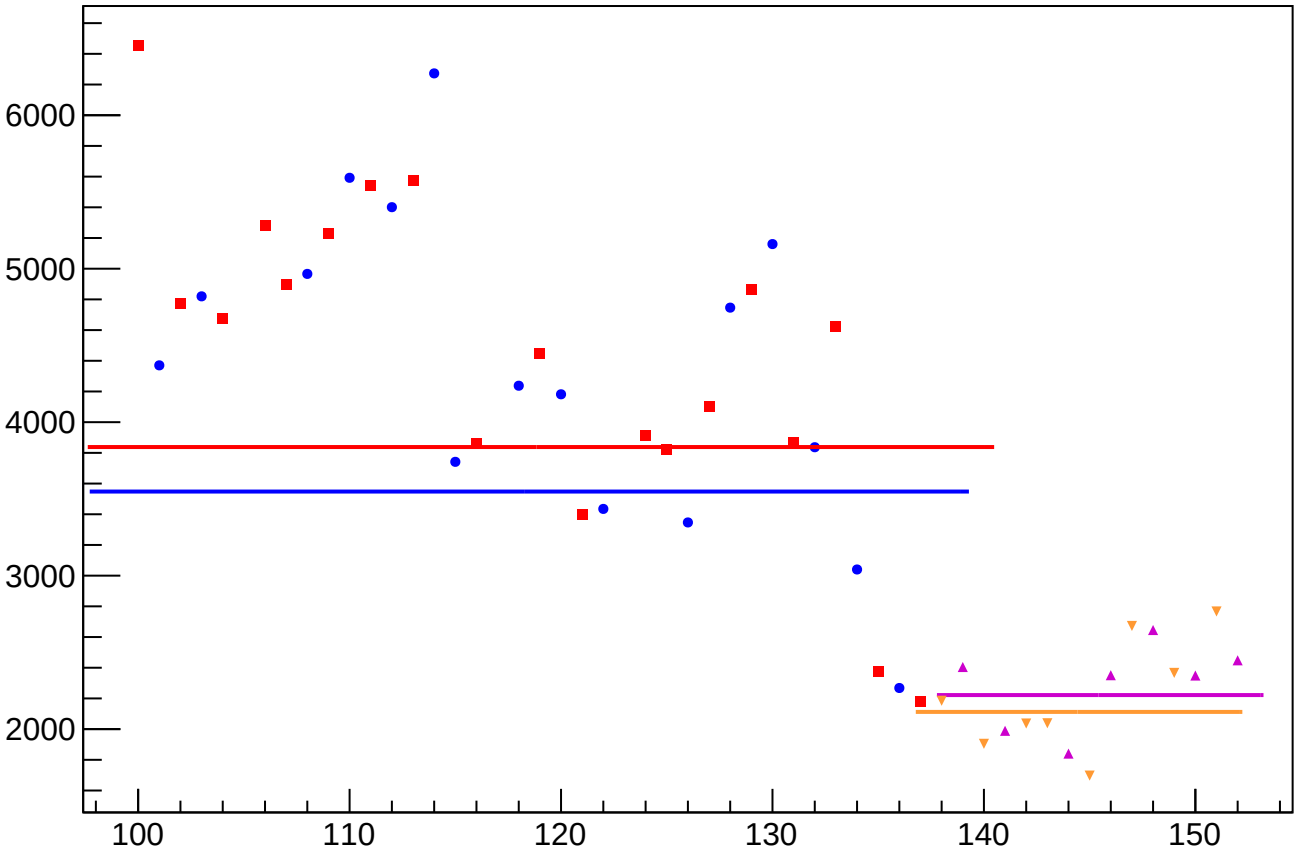
Left: -976.003+/-624.939 χ^2/NDF: 24.9/14

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -1568.863+/-758.470 χ^2/NDF:29.6/22

Out: -574.332+/-742.712 χ^2/NDF:29.5/26

All: -1061.159+/-530.660 χ^2/NDF: 59.9/49



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: 2221.875+/-0.641 χ^2/NDF:178348.0/6

Left: 2164.300+/-0.442 χ^2/NDF: 499212.7/14

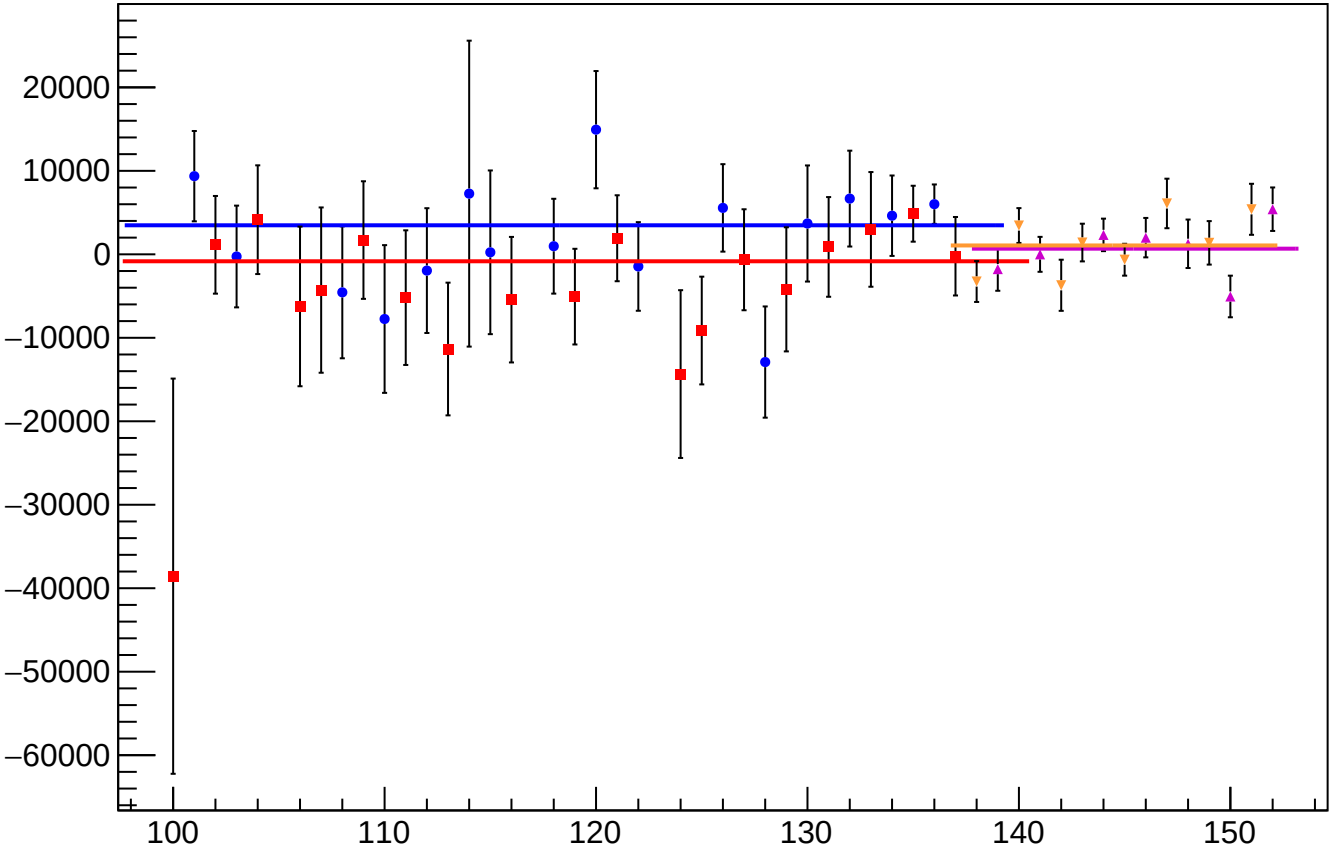
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2620.066+/-0.536 χ^2/NDF:2721356.4/22

Out: 2558.356+/-0.525 χ^2/NDF:3531236.8/26

All: 2588.563+/-0.375 χ^2/NDF: 6259351.7/49

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: 677.224+/-895.638 χ^2/NDF:10.6/6

Left: 876.710+/-621.533 χ^2/NDF: 23.3/14

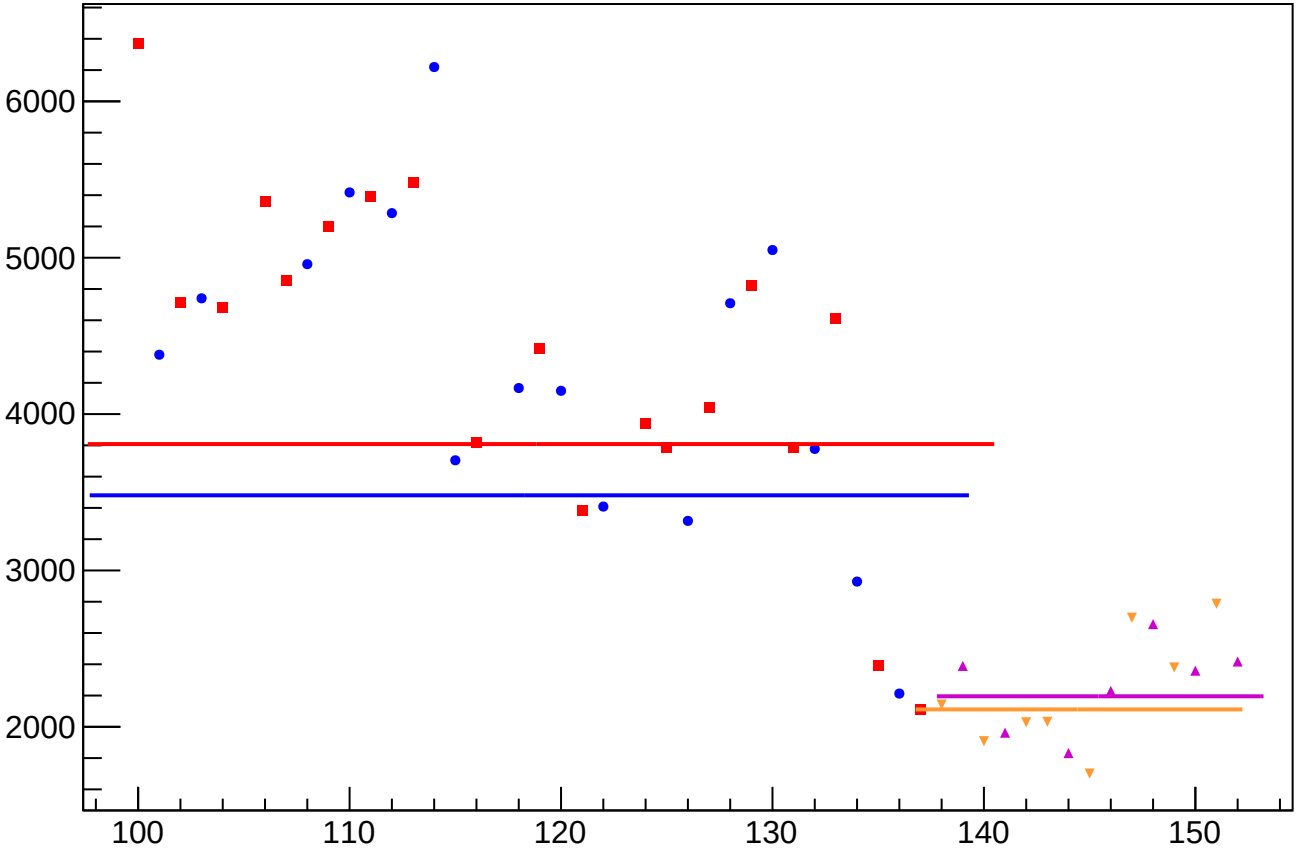
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 1524.270+/-748.063 χ^2/NDF:29.9/22

Out: 566.077+/-741.683 χ^2/NDF:27.9/26

All: 1041.070+/-526.690 χ^2/NDF: 58.6/49

asym_sam2_rms vs Slug, Sign Corrected



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: 2195.210+/-0.633 χ^2/NDF:179767.3/6

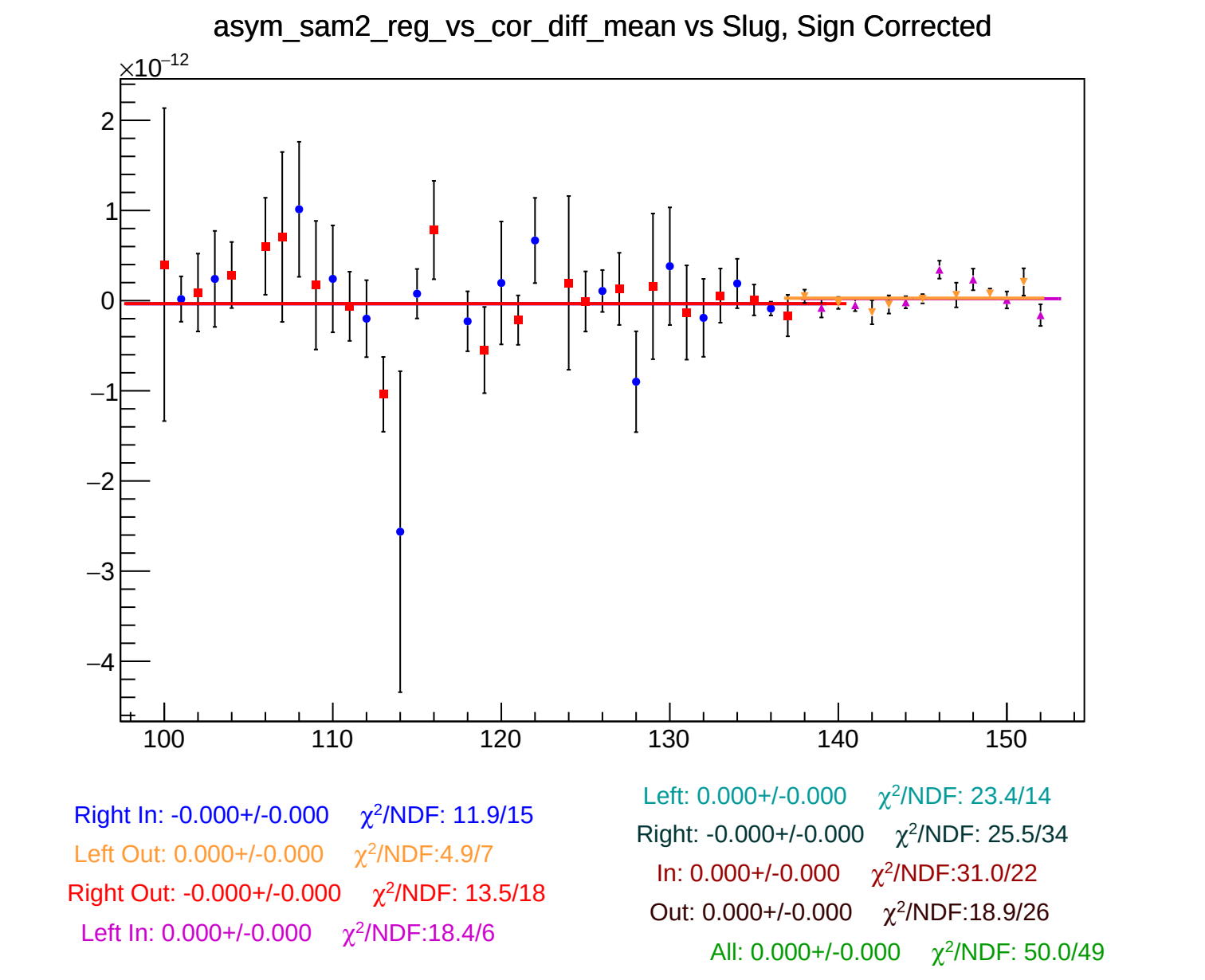
Left: 2151.749+/-0.439 χ^2/NDF: 501636.2/14

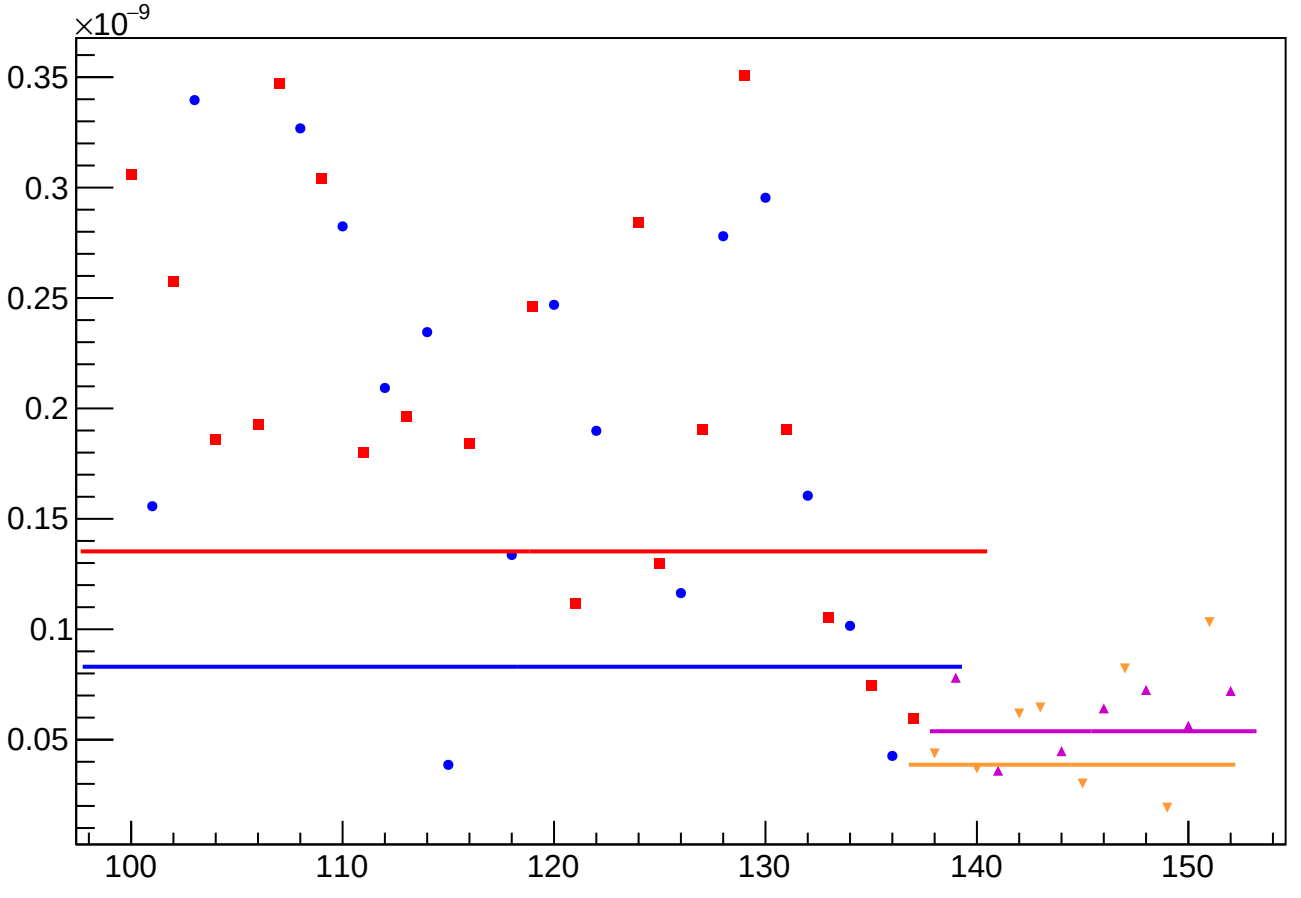
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2583.890+/-0.529 χ^2/NDF:2722008.3/22

Out: 2555.533+/-0.524 χ^2/NDF:3483122.3/26

All: 2569.590+/-0.372 χ^2/NDF: 6206579.9/49


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:18.4/6
Left: 0.000+/-0.000 χ²/NDF: 23.4/14
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:31.0/22
Out: 0.000+/-0.000 χ²/NDF:18.9/26
All: 0.000+/-0.000 χ²/NDF: 50.0/49



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:400012.5/6

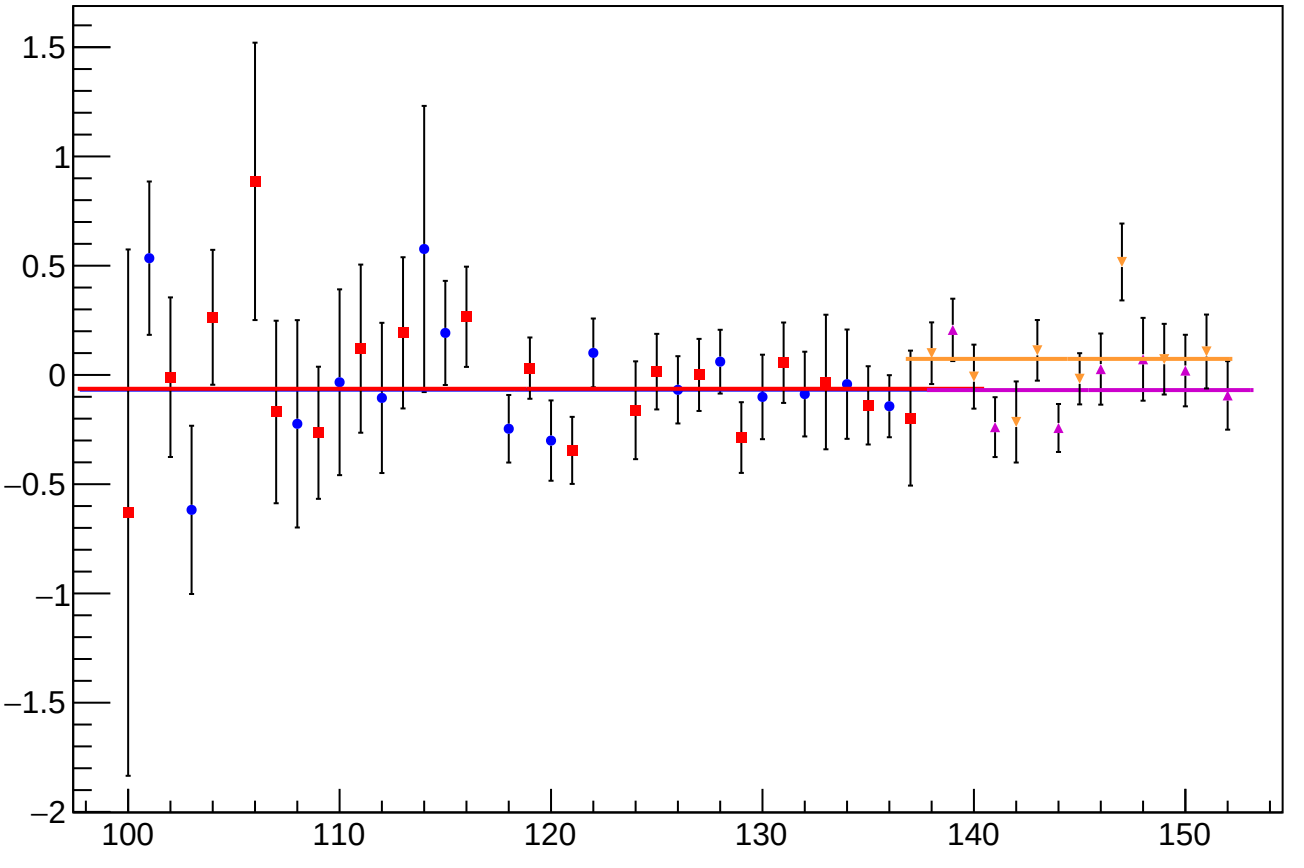
Left: 0.000+/-0.000 χ^2/NDF: 1718432.3/14

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:3457702.6/22

Out: 0.000+/-0.000 χ^2/NDF:4825908.6/26

All: 0.000+/-0.000 χ^2/NDF: 8509453.3/49



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: -0.069+/-0.055 χ^2/NDF:9.0/6

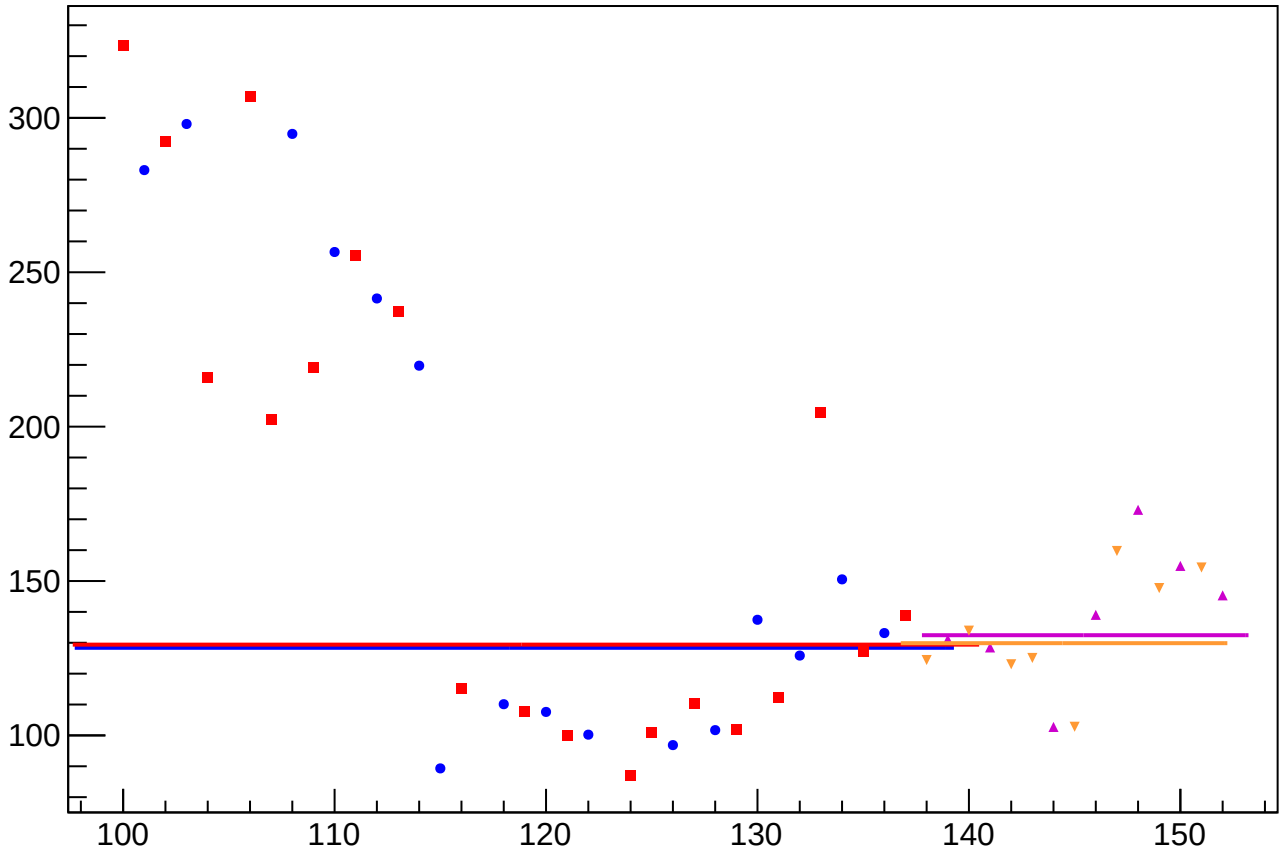
Left: 0.005+/-0.038 χ^2/NDF: 22.3/14

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.068+/-0.038 χ^2/NDF:21.4/22

Out: 0.003+/-0.037 χ^2/NDF:27.3/26

All: -0.032+/-0.026 χ^2/NDF: 50.6/49



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: 132.453+/-0.039 χ^2/NDF:294489.3/6

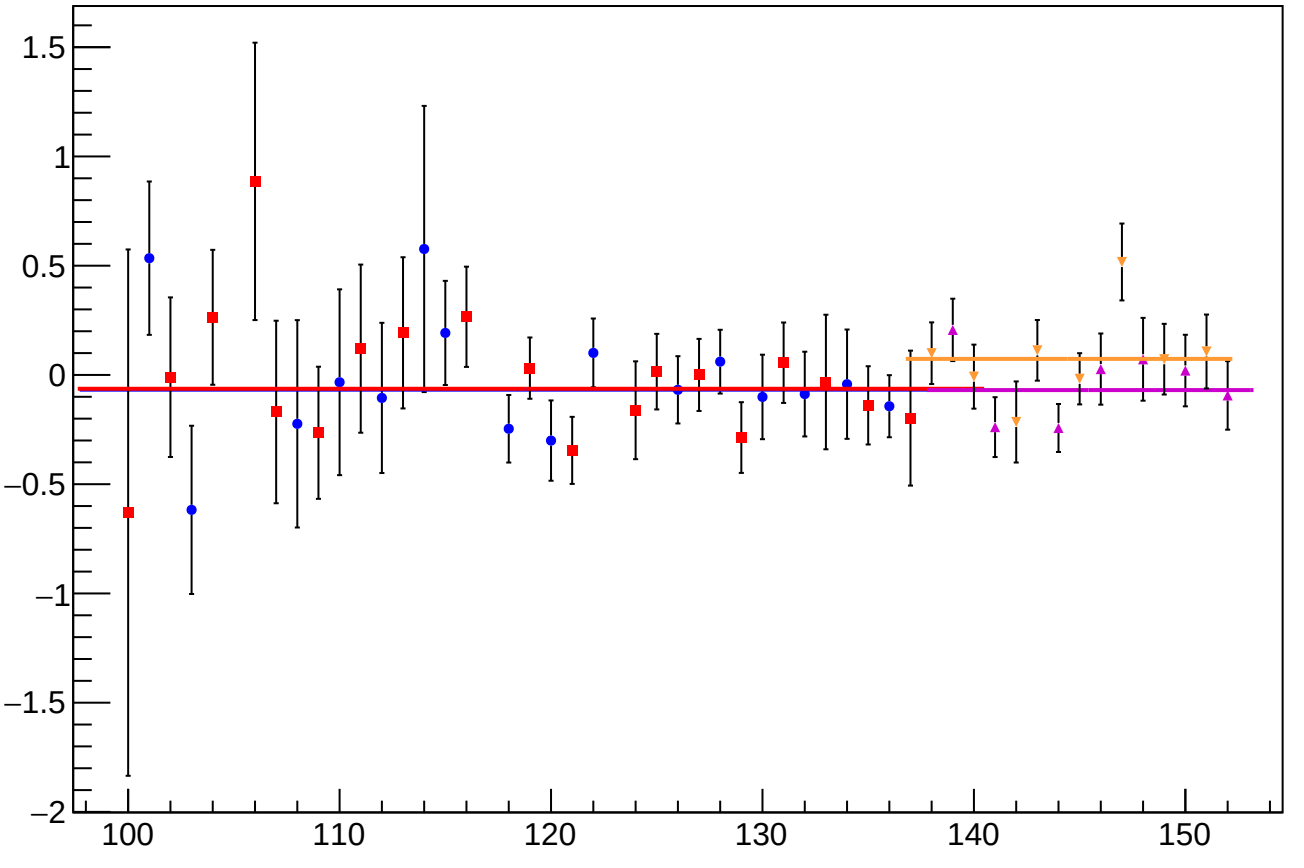
Left: 131.111+/-0.027 χ^2/NDF: 537201.5/14

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 130.288+/-0.027 χ^2/NDF:2105367.8/22

Out: 129.629+/-0.026 χ^2/NDF:2128786.0/26

All: 129.952+/-0.019 χ^2/NDF: 4234465.0/49



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: -0.069+/-0.055 χ^2/NDF:9.0/6

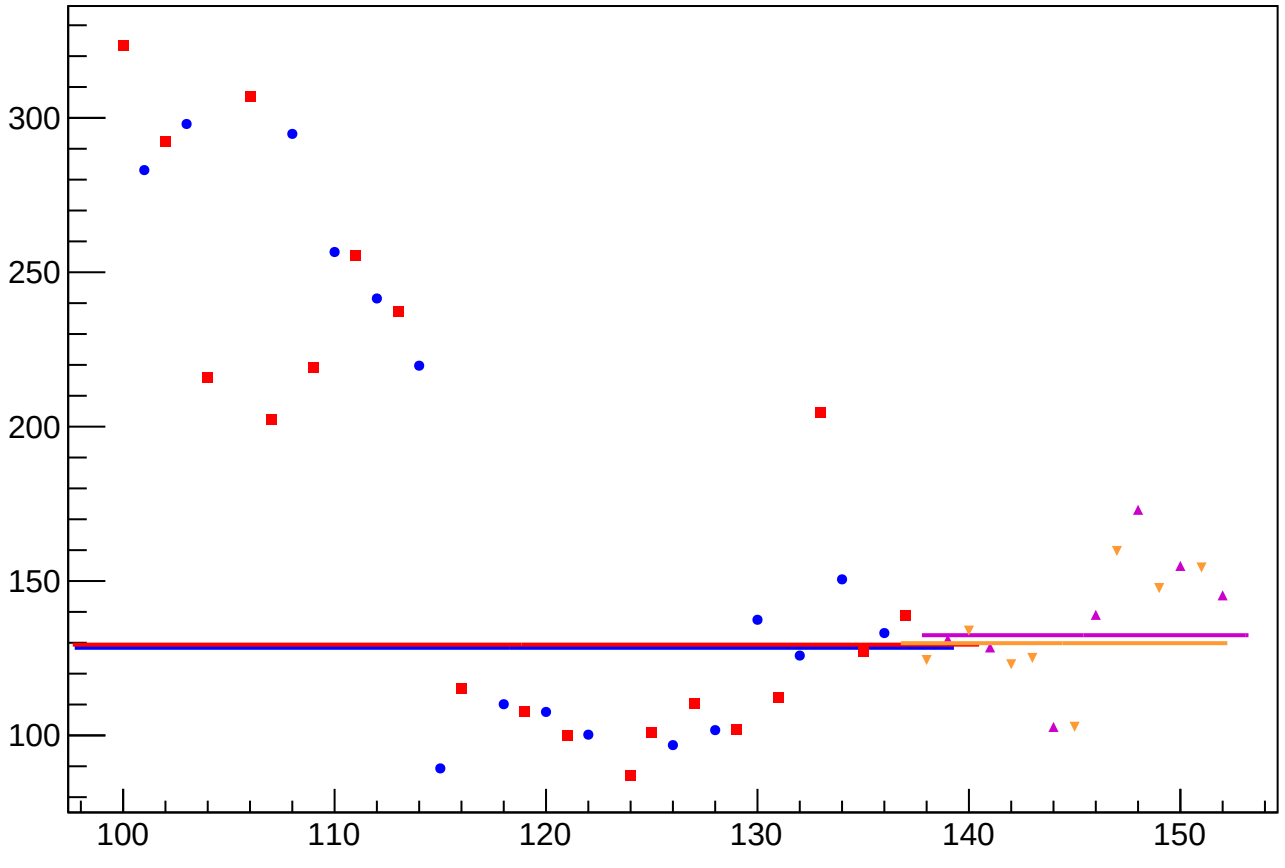
Left: 0.005+/-0.038 χ^2/NDF: 22.3/14

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.068+/-0.038 χ^2/NDF:21.4/22

Out: 0.003+/-0.037 χ^2/NDF:27.3/26

All: -0.032+/-0.026 χ^2/NDF: 50.6/49



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: 132.453+/-0.039 χ^2/NDF:294489.3/6

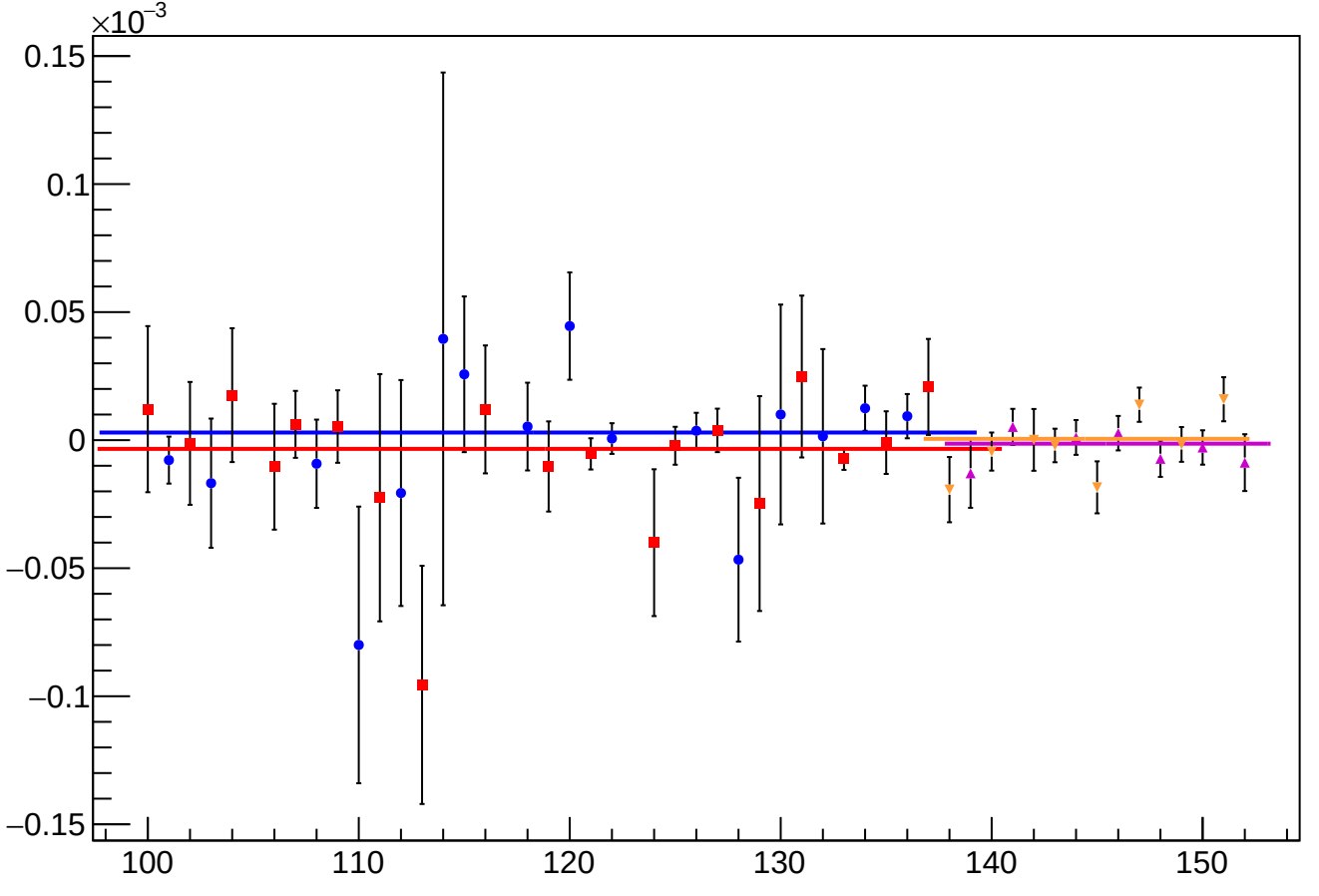
Left: 131.111+/-0.027 χ^2/NDF: 537201.5/14

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 130.288+/-0.027 χ^2/NDF:2105367.8/22

Out: 129.629+/-0.026 χ^2/NDF:2128786.0/26

All: 129.952+/-0.019 χ^2/NDF: 4234465.0/49



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:3.3/6

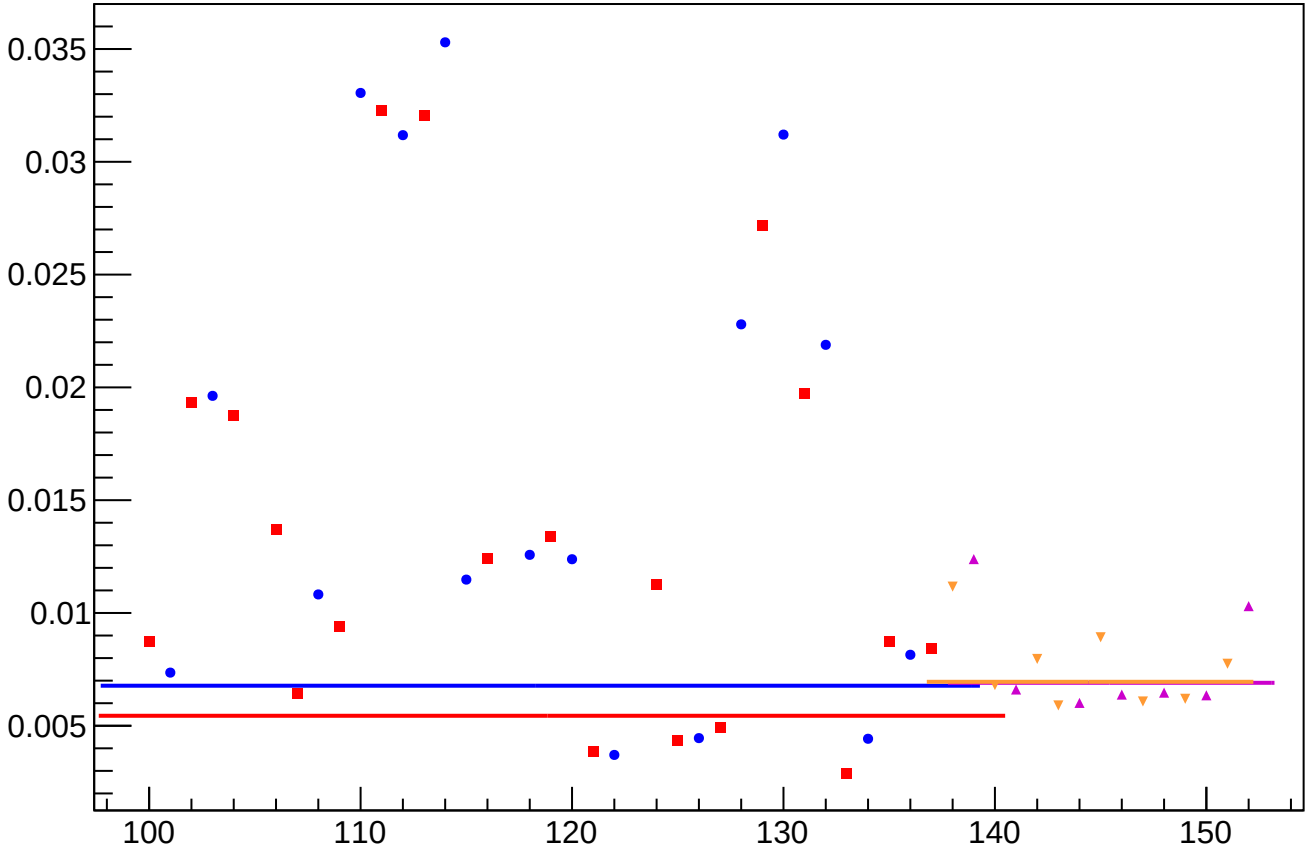
Left: -0.000+/-0.000 χ^2/NDF: 17.3/14

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:18.4/22

Out: -0.000+/-0.000 χ^2/NDF:27.4/26

All: -0.000+/-0.000 χ^2/NDF: 46.5/49



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:590232.9/6

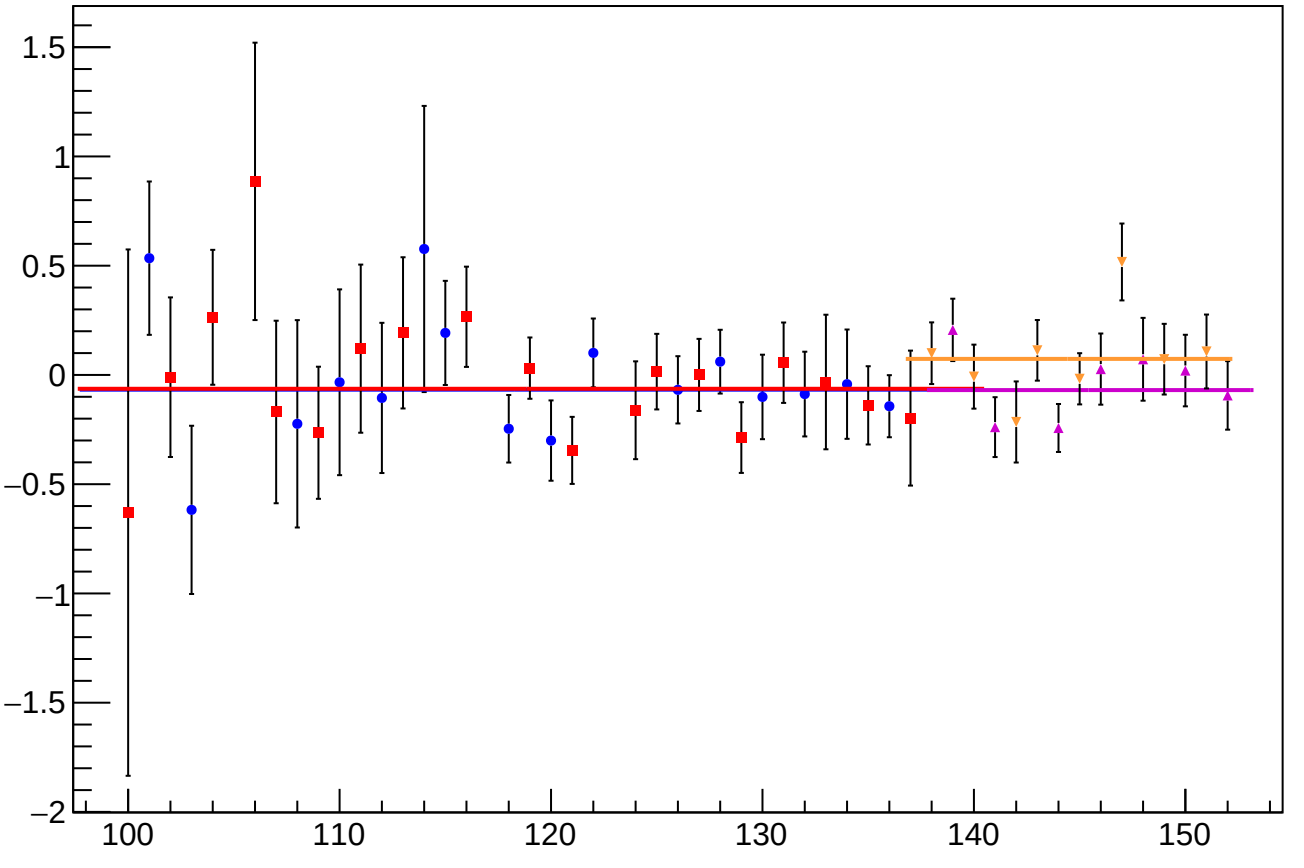
Left: 0.007+/-0.000 χ^2/NDF: 1027586.0/14

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:5364331.5/22

Out: 0.006+/-0.000 χ^2/NDF:6312930.6/26

All: 0.006+/-0.000 χ^2/NDF: 11804737.1/49



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: -0.069+/-0.055 χ^2/NDF:9.0/6

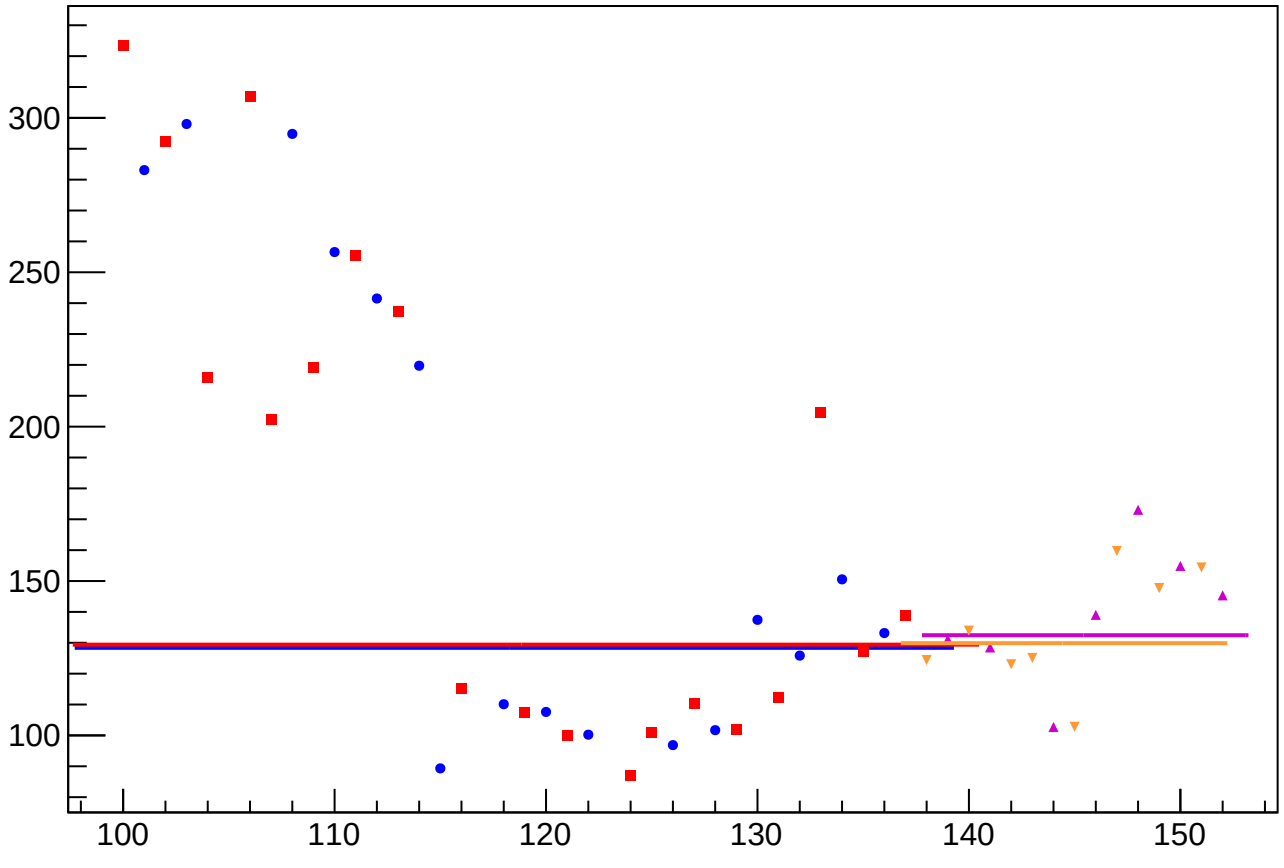
Left: 0.005+/-0.038 χ^2/NDF: 22.3/14

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.068+/-0.038 χ^2/NDF:21.4/22

Out: 0.003+/-0.037 χ^2/NDF:27.3/26

All: -0.032+/-0.026 χ^2/NDF: 50.6/49



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: 132.453+/-0.039 χ^2/NDF:294491.8/6

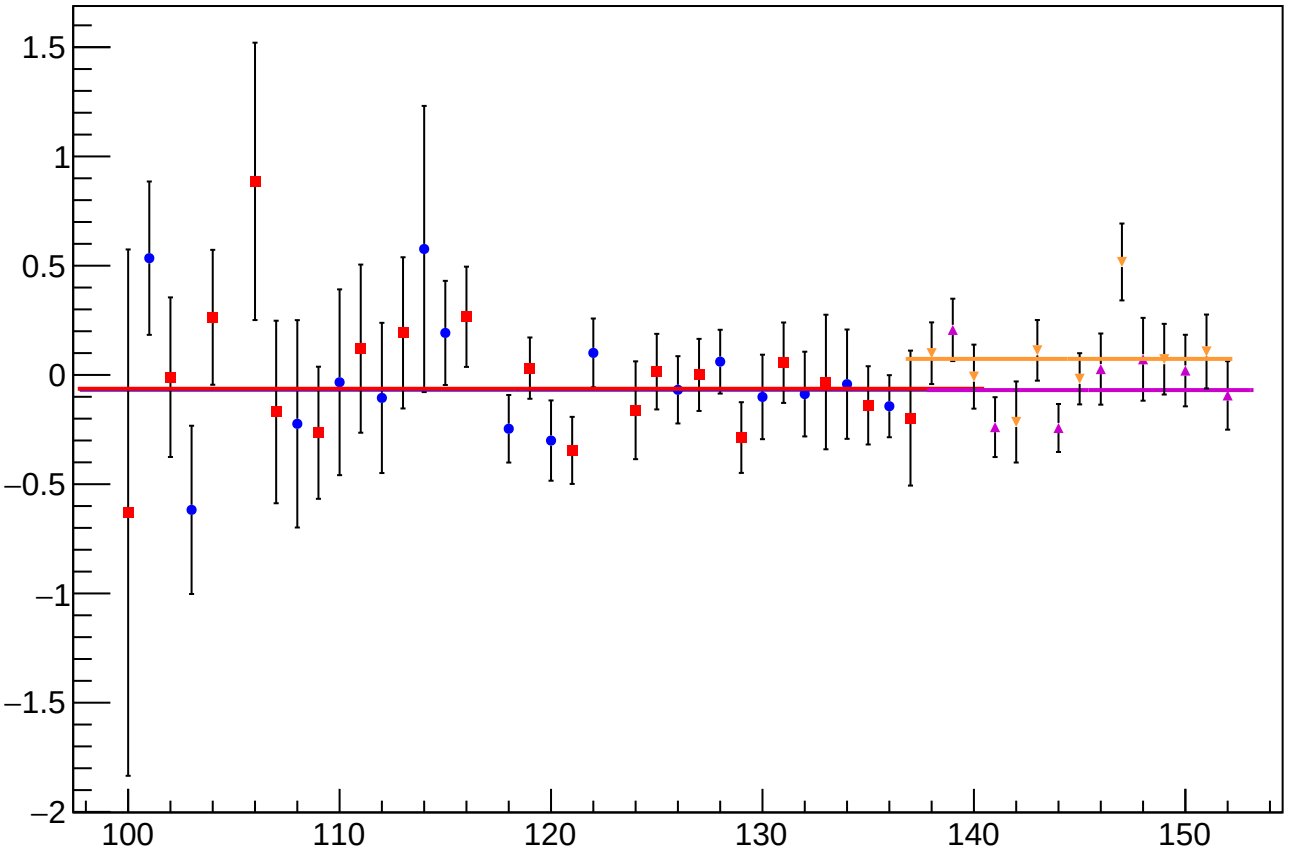
Left: 131.111+/-0.027 χ^2/NDF: 537223.0/14

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 130.286+/-0.027 χ^2/NDF:2105327.6/22

Out: 129.627+/-0.026 χ^2/NDF:2128807.2/26

All: 129.950+/-0.019 χ^2/NDF: 4234445.9/49



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: -0.069+/-0.055 χ^2/NDF:9.0/6

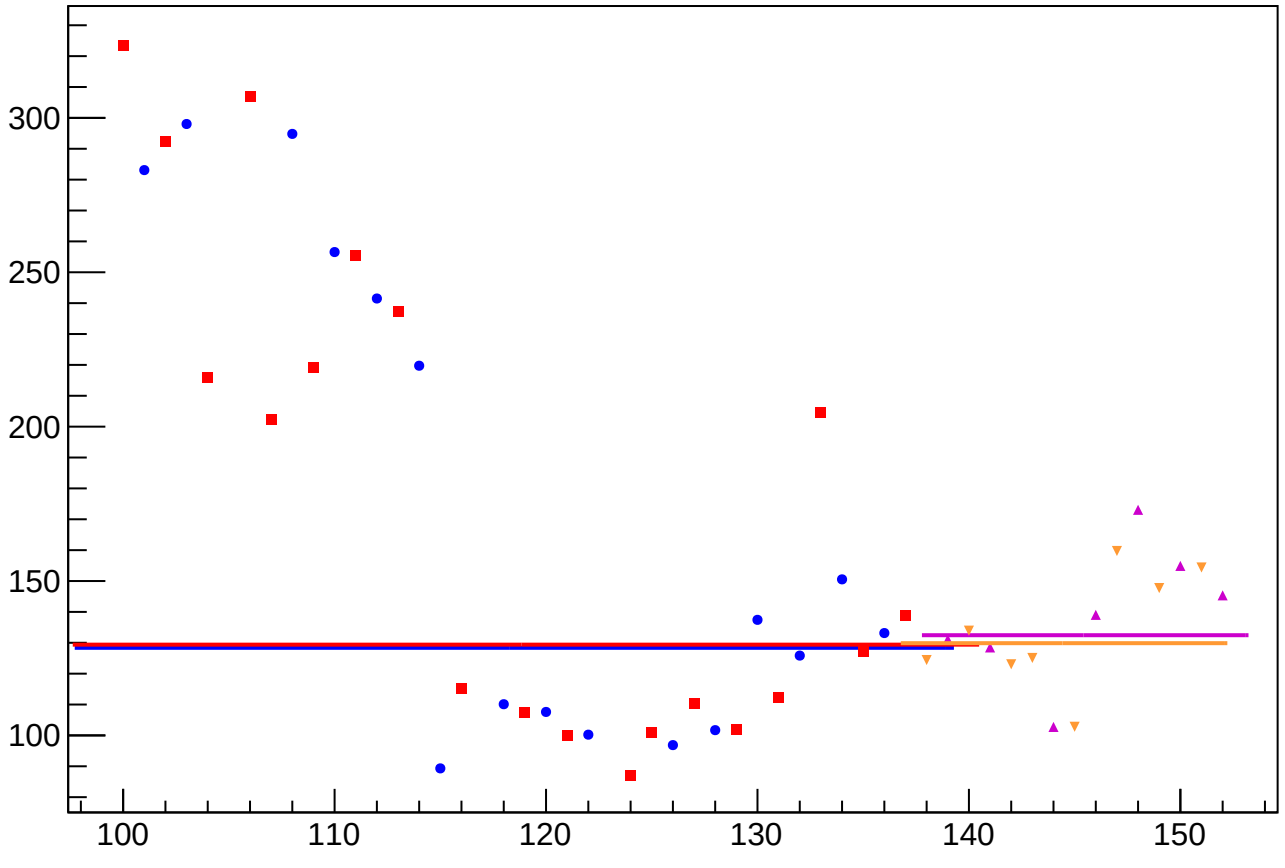
Left: 0.005+/-0.038 χ^2/NDF: 22.3/14

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.068+/-0.038 χ^2/NDF:21.4/22

Out: 0.003+/-0.037 χ^2/NDF:27.3/26

All: -0.032+/-0.026 χ^2/NDF: 50.6/49



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: 132.453+/-0.039 χ^2/NDF:294491.8/6

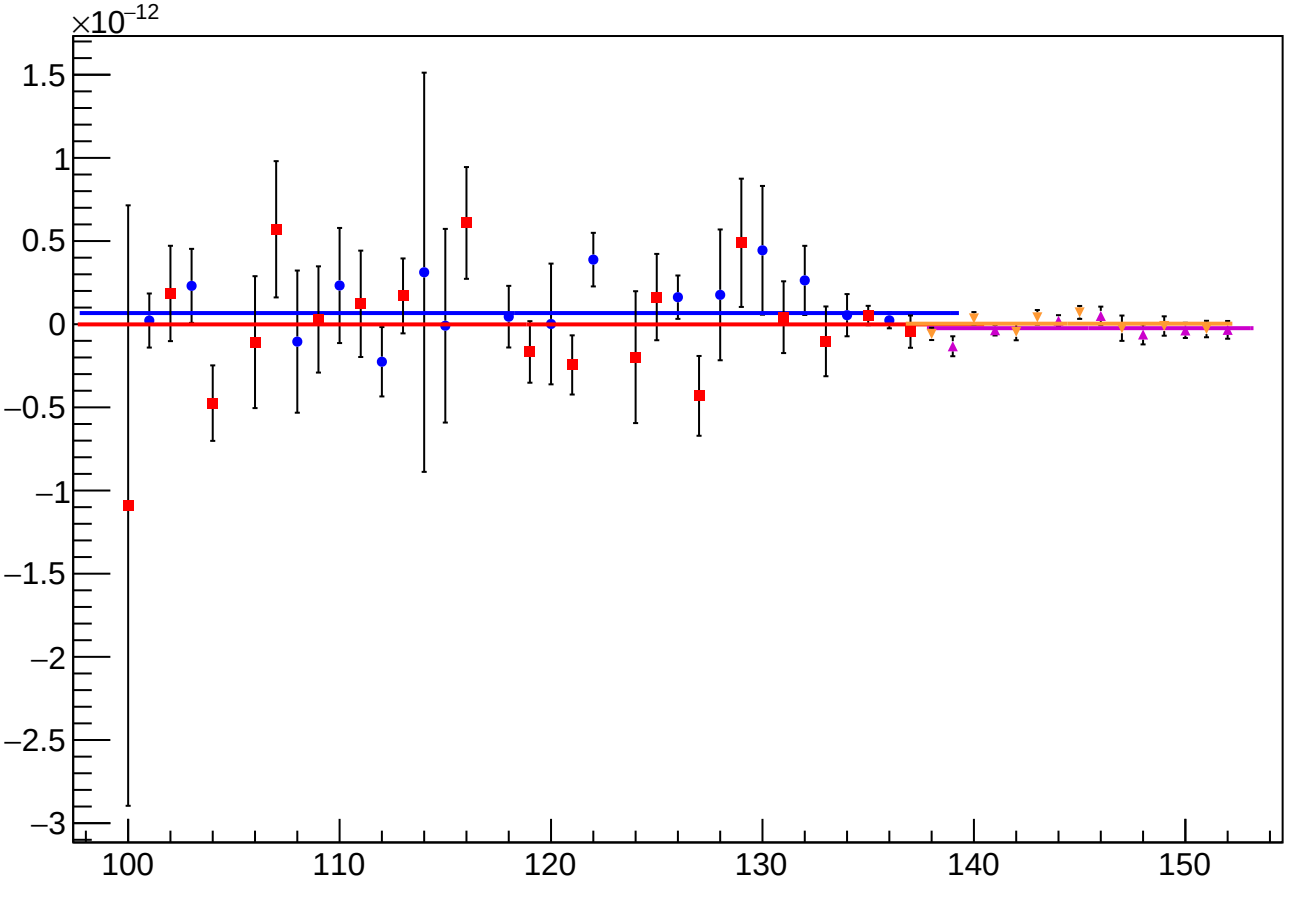
Left: 131.111+/-0.027 χ^2/NDF: 537223.0/14

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 130.286+/-0.027 χ^2/NDF:2105327.6/22

Out: 129.627+/-0.026 χ^2/NDF:2128807.2/26

All: 129.950+/-0.019 χ^2/NDF: 4234445.9/49



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:7.4/6

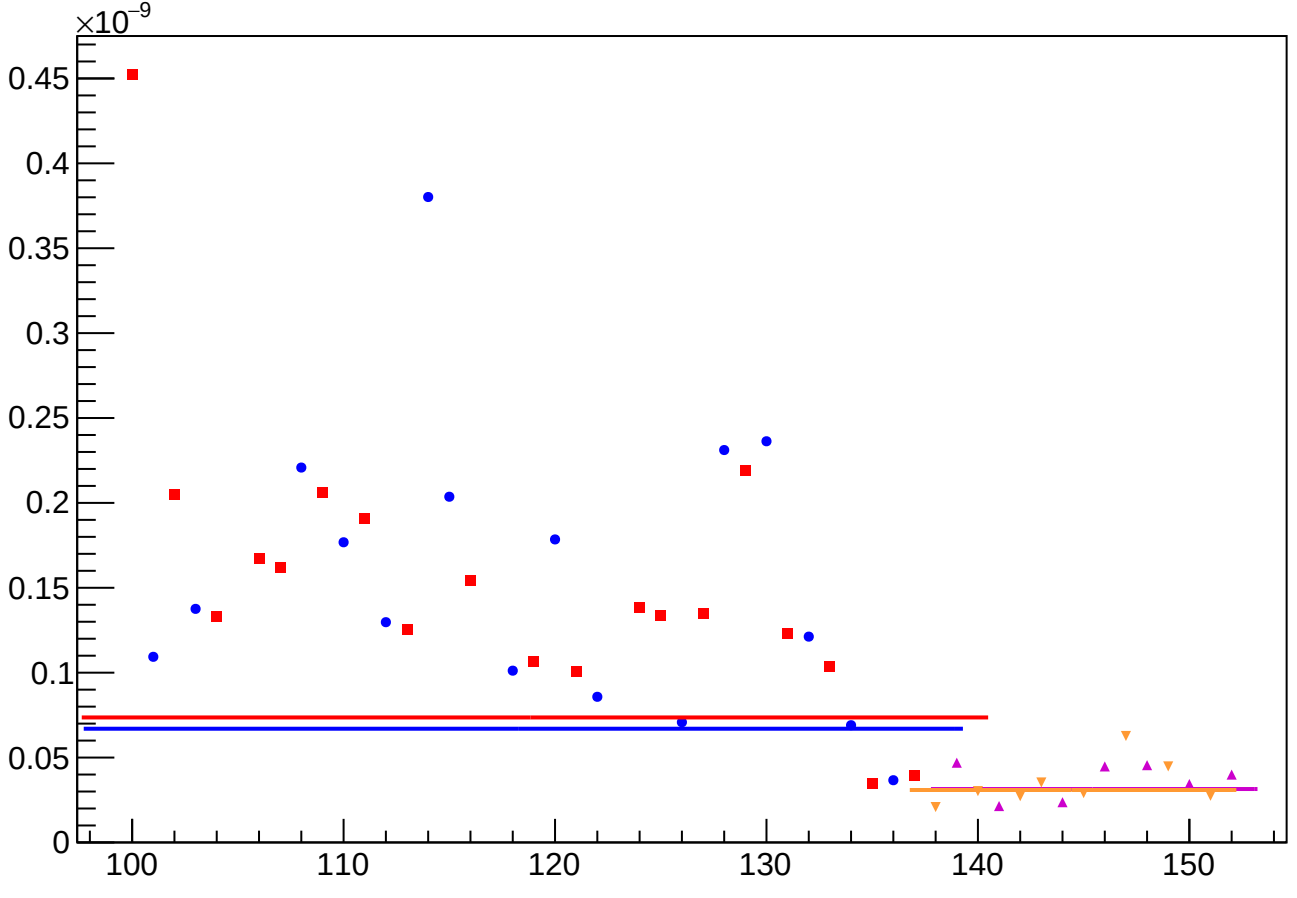
Left: -0.000+/-0.000 χ^2/NDF: 17.5/14

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:23.0/22

Out: 0.000+/-0.000 χ^2/NDF:29.4/26

All: -0.000+/-0.000 χ^2/NDF: 52.7/49



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:724489.4/6

Left: 0.000+/-0.000 χ^2/NDF: 1381742.2/14

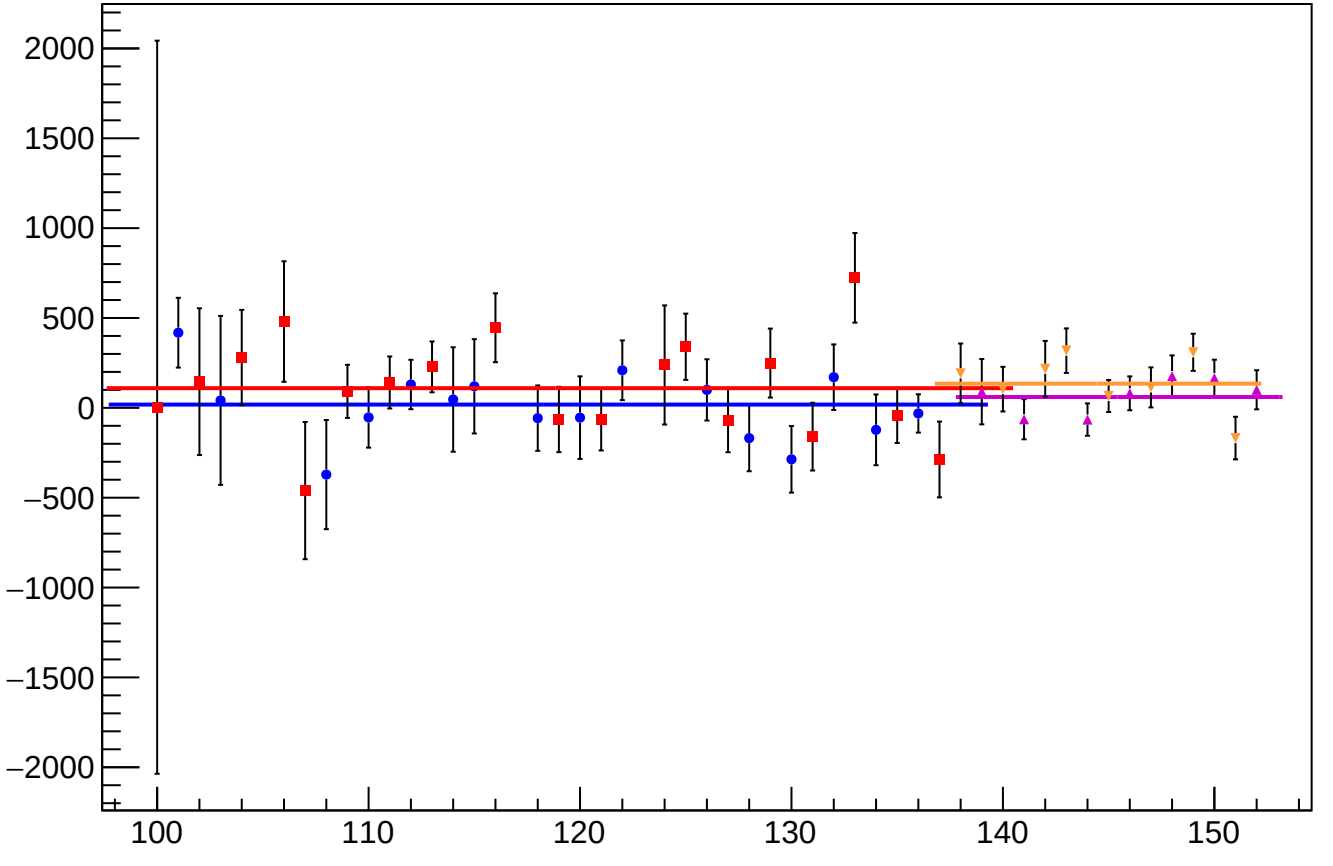
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5498894.1/22

Out: 0.000+/-0.000 χ^2/NDF:6326082.2/26

All: 0.000+/-0.000 χ^2/NDF: 11827113.9/49

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: 60.284+/-40.764 χ^2/NDF:5.5/6

Left: 96.690+/-29.092 χ^2/NDF: 19.8/14

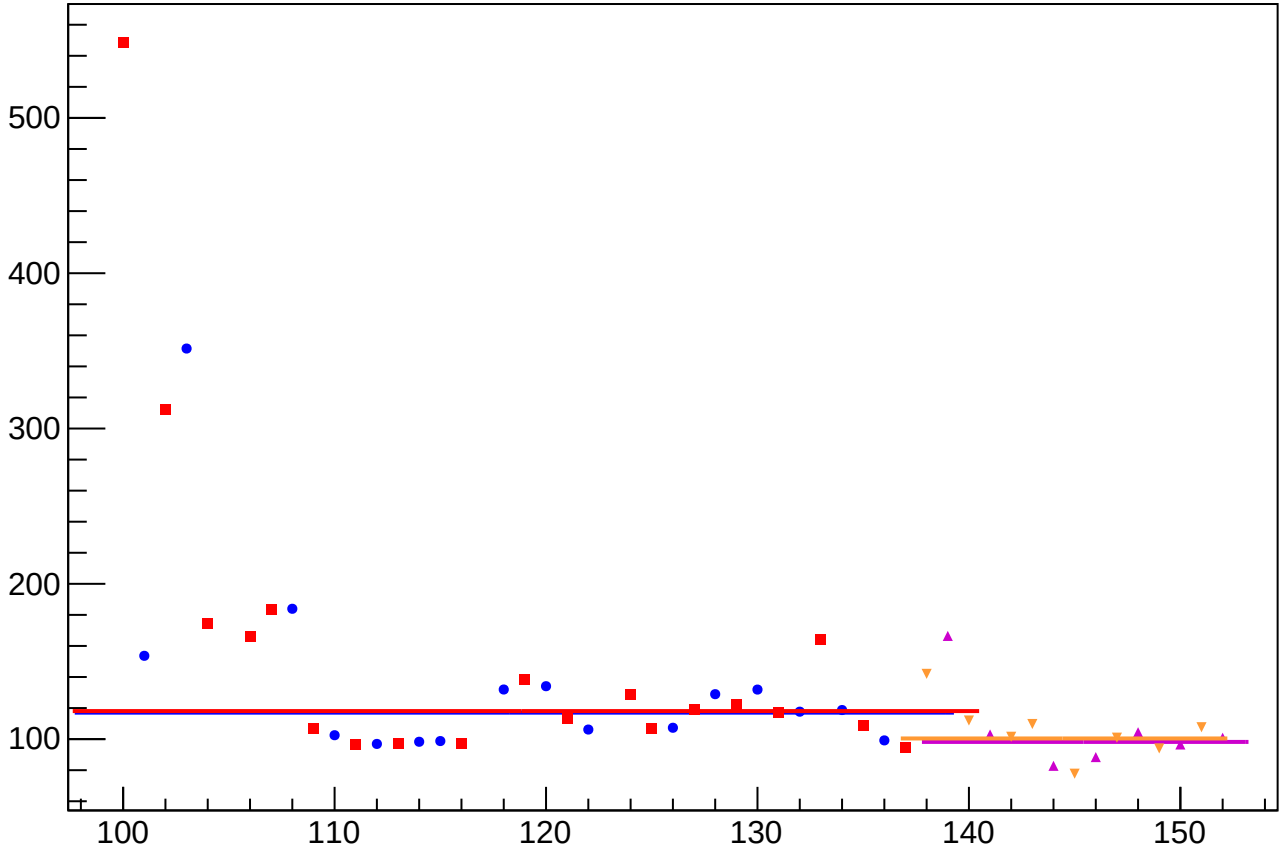
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 41.641+/-30.422 χ^2/NDF:19.8/22

Out: 123.185+/-30.774 χ^2/NDF:38.3/26

All: 81.944+/-21.635 χ^2/NDF: 61.7/49

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: 98.202+/-0.029 χ^2/NDF:373292.9/6

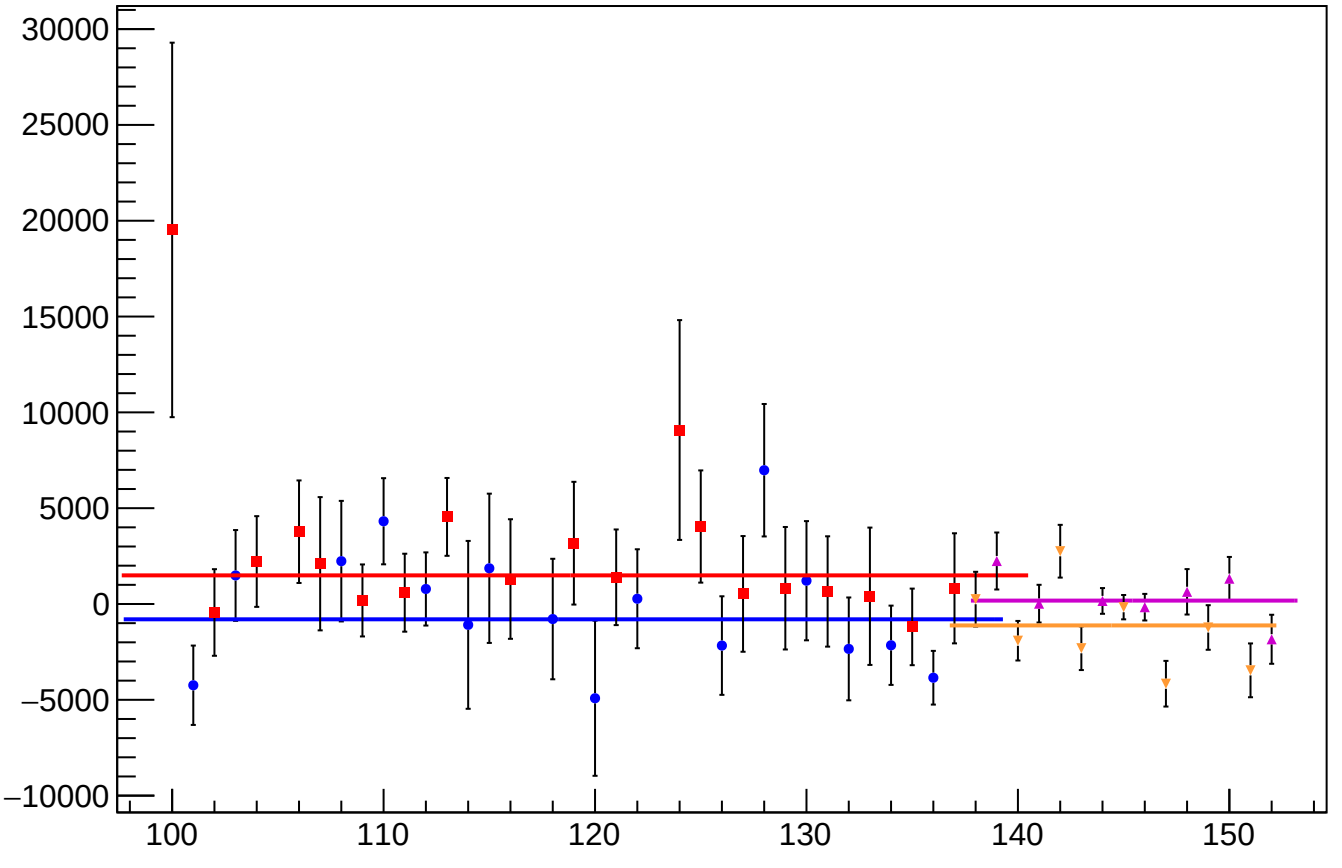
Left: 99.295+/-0.021 χ^2/NDF: 675628.7/14

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 106.558+/-0.022 χ^2/NDF:1421376.6/22

Out: 108.380+/-0.022 χ^2/NDF:1452631.4/26

All: 107.459+/-0.015 χ^2/NDF: 2877551.4/49



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: 177.085+/-356.136 χ^2/NDF:5.9/6

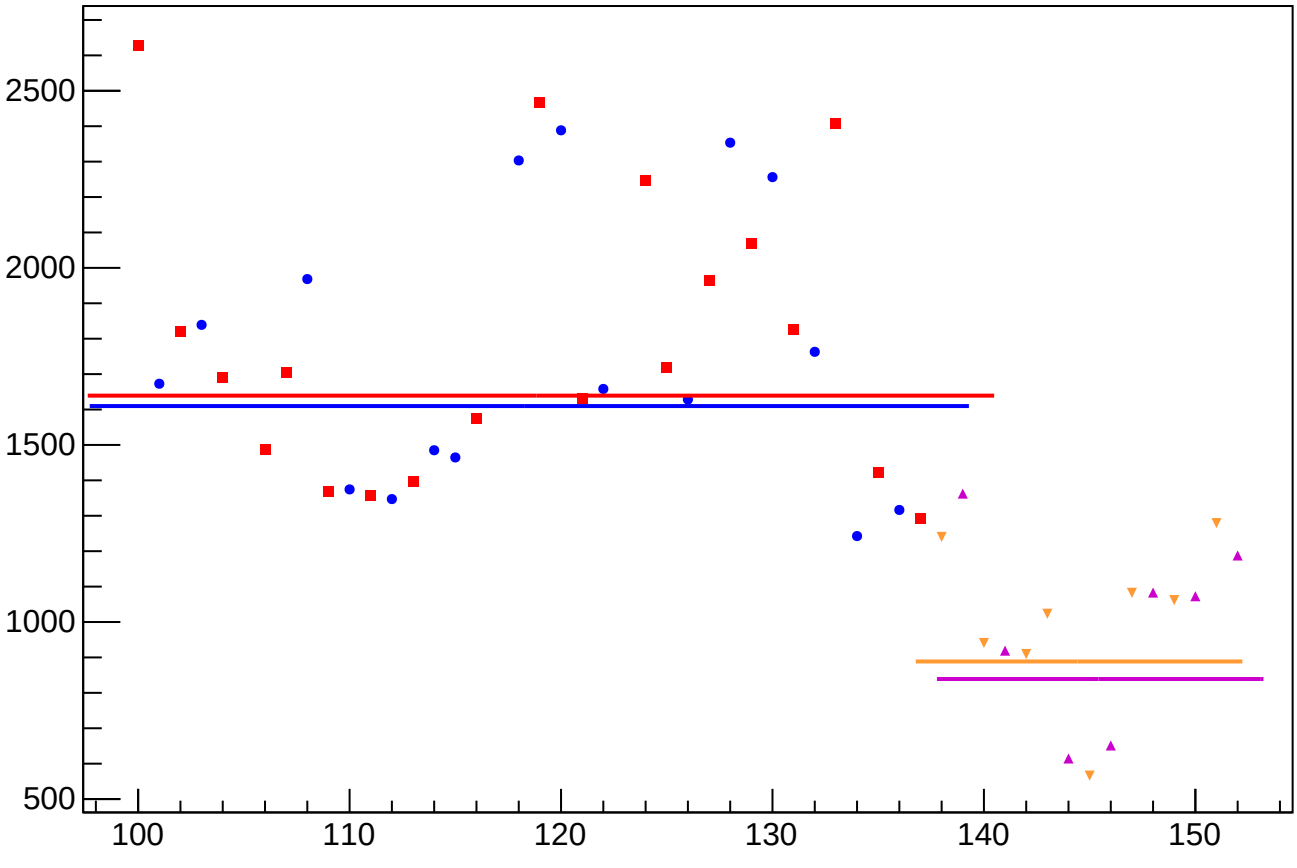
Left: -439.080+/-257.853 χ^2/NDF: 34.2/14

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -67.467+/-308.318 χ^2/NDF:31.2/22

Out: -410.112+/-319.174 χ^2/NDF:48.2/26

All: -232.864+/-221.752 χ^2/NDF: 80.0/49



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: 839.061+/-0.252 χ^2/NDF:949603.1/6

Left: 862.615+/-0.182 χ^2/NDF: 1890102.6/14

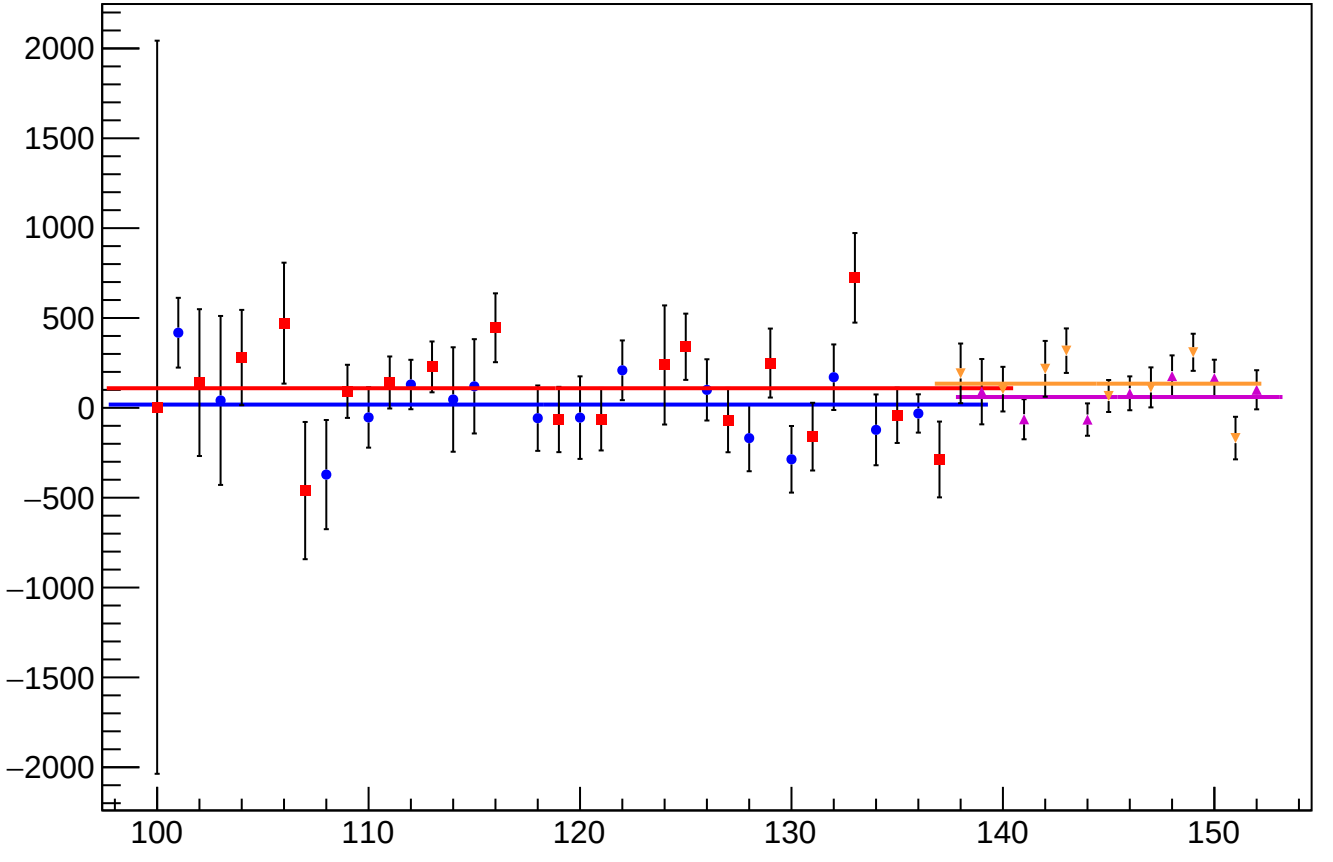
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1032.133+/-0.218 χ^2/NDF:3915208.8/22

Out: 1092.012+/-0.226 χ^2/NDF:3628004.3/26

All: 1061.037+/-0.157 χ^2/NDF: 7579625.9/49

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: 60.289+/-40.764 χ^2/NDF:5.5/6

Left: 96.696+/-29.092 χ^2/NDF: 19.8/14

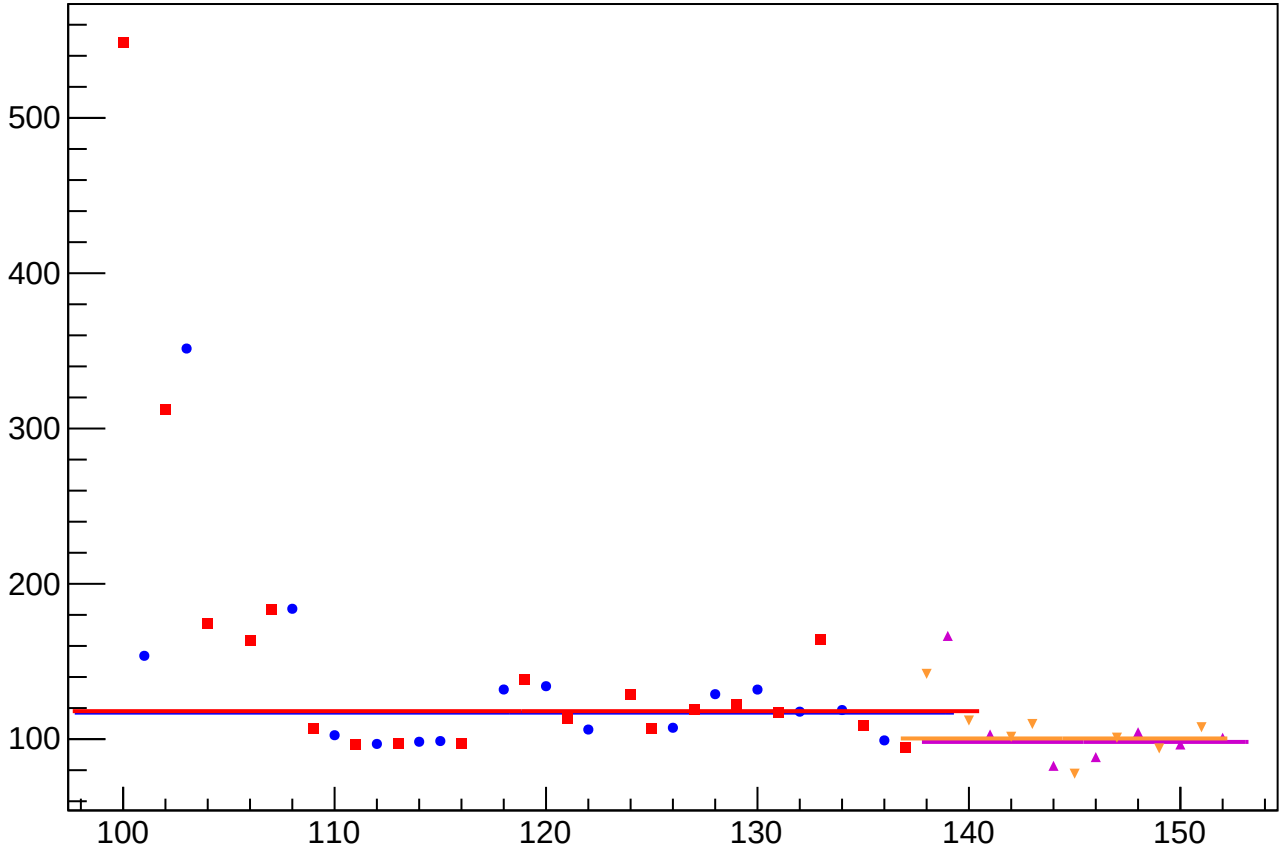
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 41.638+/-30.422 χ^2/NDF:19.8/22

Out: 123.063+/-30.775 χ^2/NDF:38.3/26

All: 81.880+/-21.635 χ^2/NDF: 61.6/49

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: 98.202+/-0.029 χ^2/NDF:373292.9/6

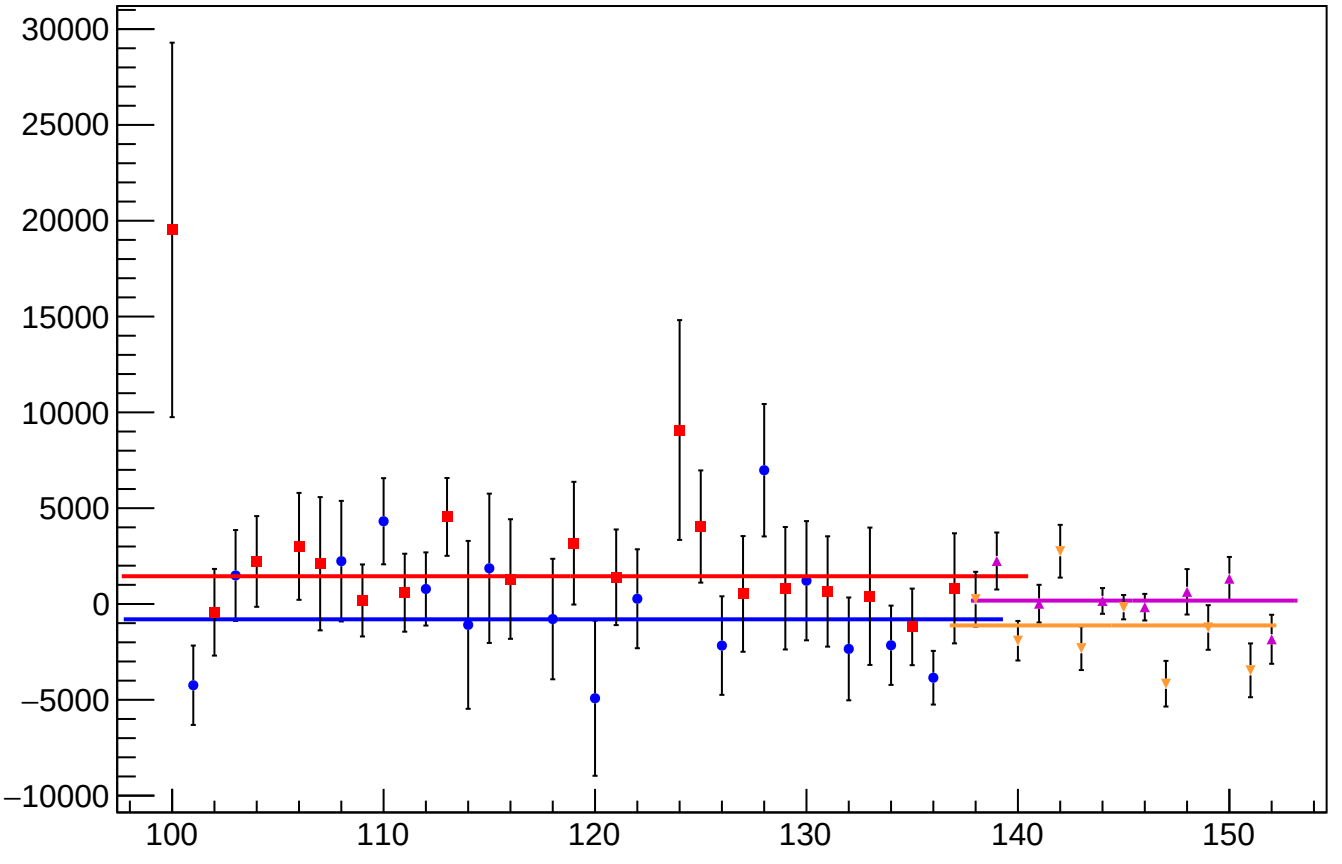
Left: 99.295+/-0.021 χ^2/NDF: 675628.7/14

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 106.558+/-0.022 χ^2/NDF:1421378.5/22

Out: 108.356+/-0.022 χ^2/NDF:1447472.3/26

All: 107.447+/-0.015 χ^2/NDF: 2872301.6/49



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: 177.094+/-356.136 χ^2/NDF:5.9/6

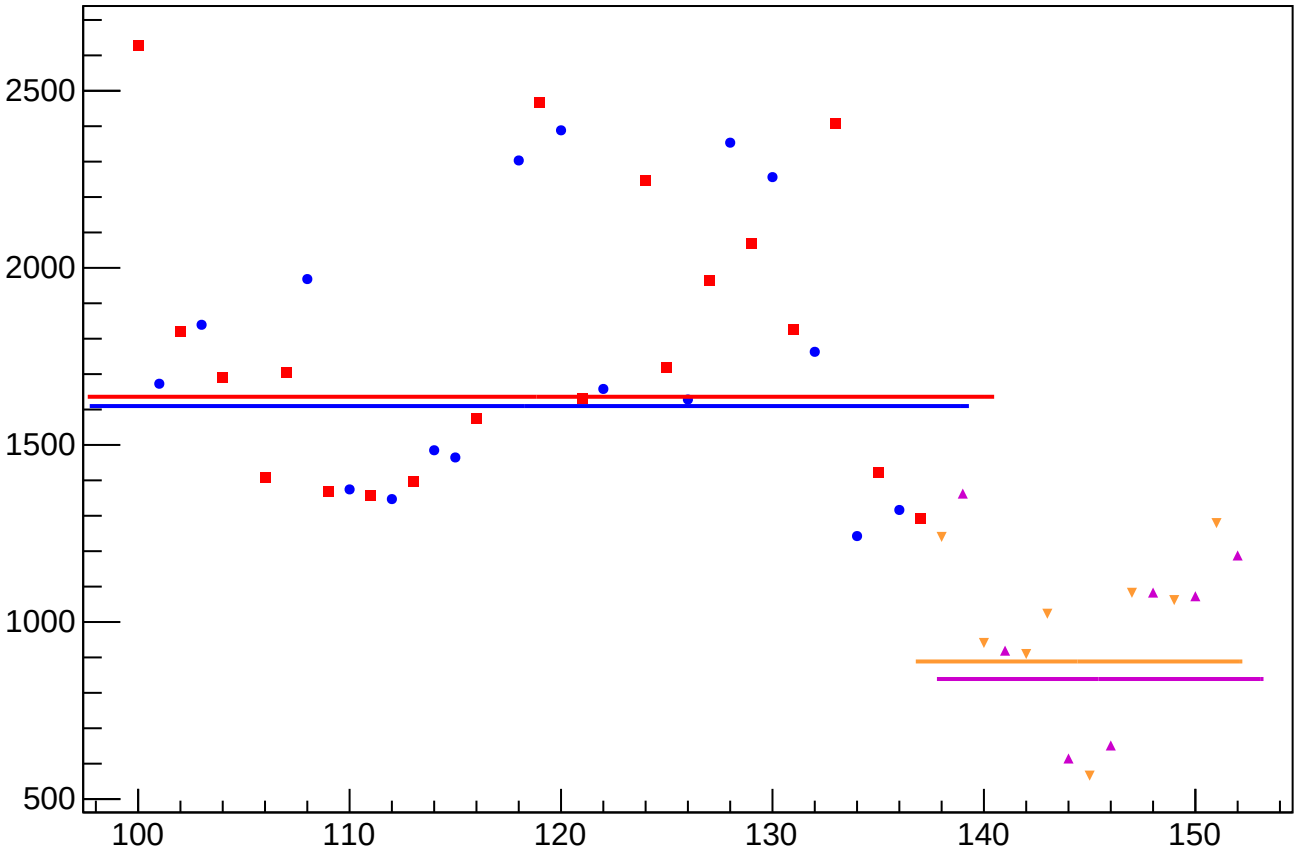
Left: -439.071+/-257.853 χ^2/NDF: 34.2/14

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -67.453+/-308.319 χ^2/NDF:31.2/22

Out: -424.650+/-319.363 χ^2/NDF:47.3/26

All: -239.768+/-221.816 χ^2/NDF: 79.1/49



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: 839.060+/-0.252 χ^2/NDF:949606.1/6

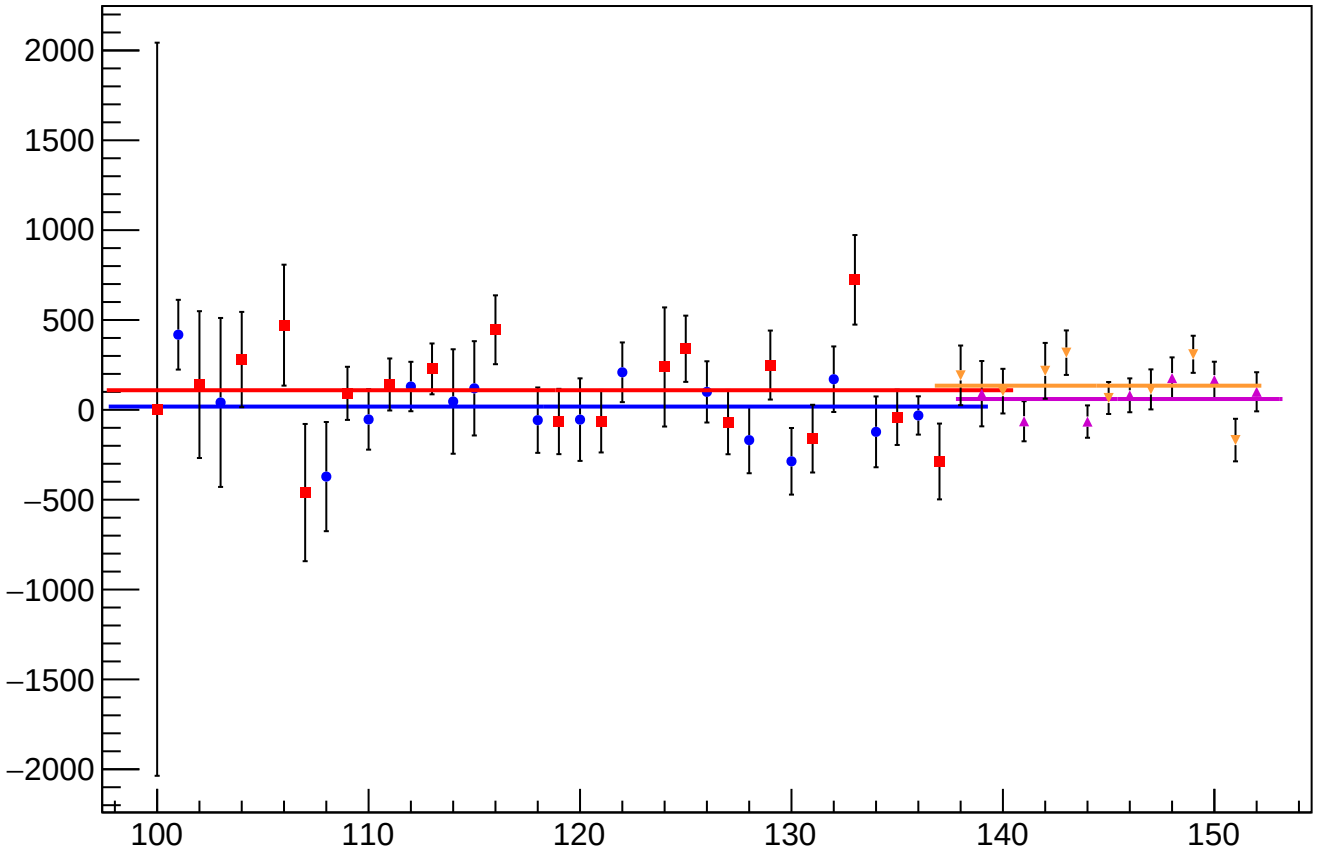
Left: 862.614+/-0.182 χ^2/NDF: 1890106.6/14

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1032.133+/-0.218 χ^2/NDF:3915273.4/22

Out: 1090.498+/-0.226 χ^2/NDF:3610146.8/26

All: 1060.289+/-0.157 χ^2/NDF: 7559994.4/49



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: 60.289+/-40.764 χ^2/NDF:5.5/6

Left: 96.696+/-29.092 χ^2/NDF: 19.8/14

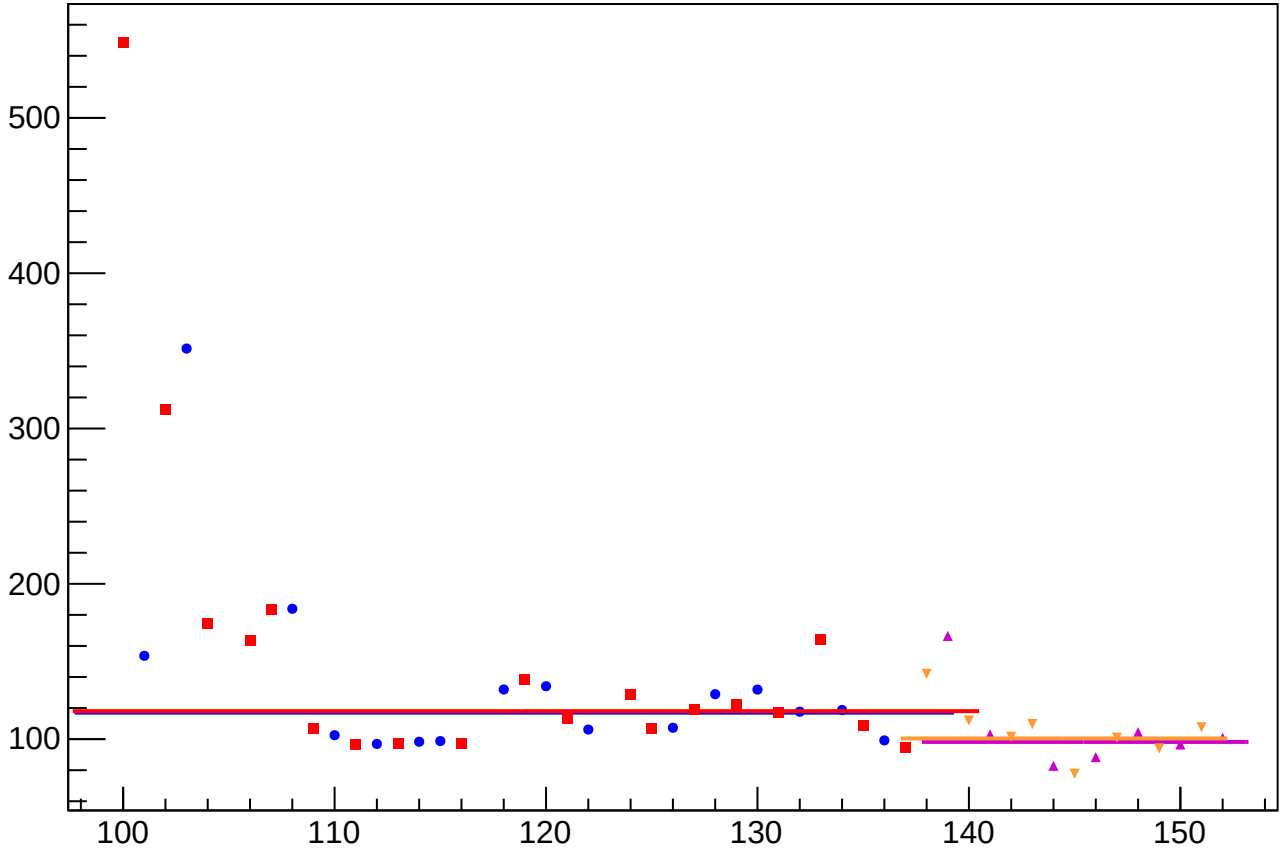
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 41.638+/-30.422 χ^2/NDF:19.8/22

Out: 123.063+/-30.775 χ^2/NDF:38.3/26

All: 81.880+/-21.635 χ^2/NDF: 61.6/49

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: 98.202+/-0.029 χ^2/NDF:373292.9/6

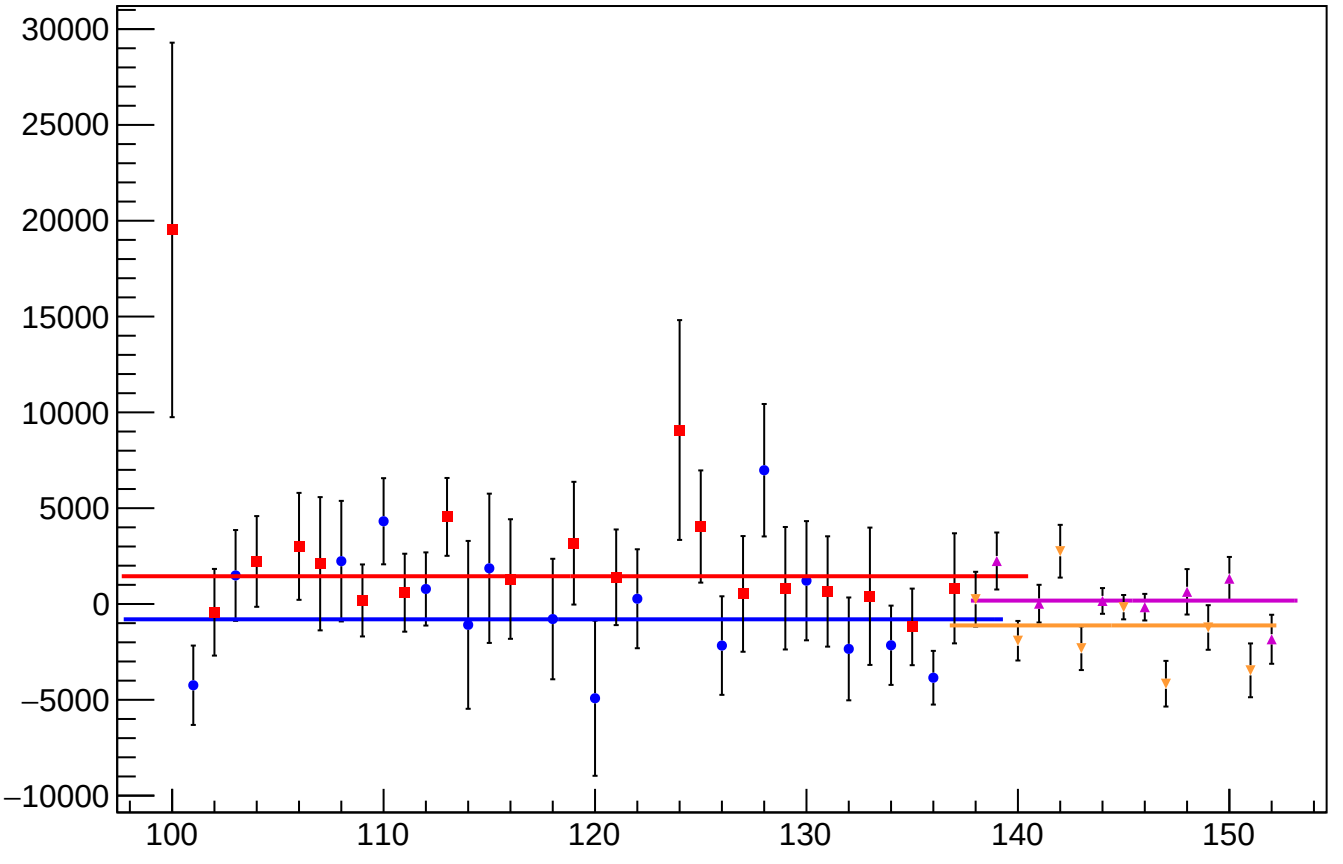
Left: 99.295+/-0.021 χ^2/NDF: 675628.7/14

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 106.558+/-0.022 χ^2/NDF:1421378.5/22

Out: 108.356+/-0.022 χ^2/NDF:1447472.3/26

All: 107.447+/-0.015 χ^2/NDF: 2872301.6/49



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: 177.094+/-356.136 χ^2/NDF:5.9/6

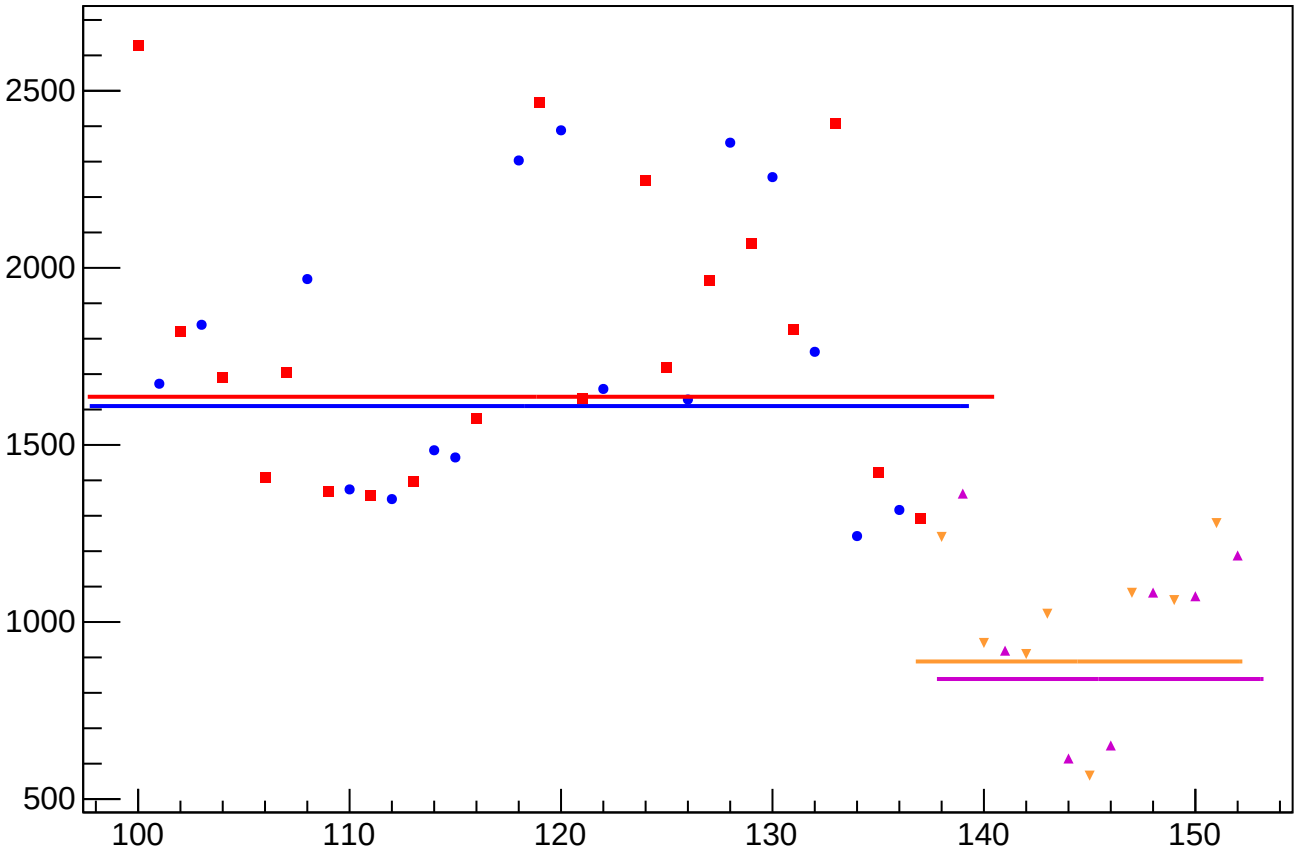
Left: -439.071+/-257.853 χ^2/NDF: 34.2/14

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -67.453+/-308.319 χ^2/NDF:31.2/22

Out: -424.650+/-319.363 χ^2/NDF:47.3/26

All: -239.768+/-221.816 χ^2/NDF: 79.1/49



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: 839.060+/-0.252 χ^2/NDF:949606.1/6

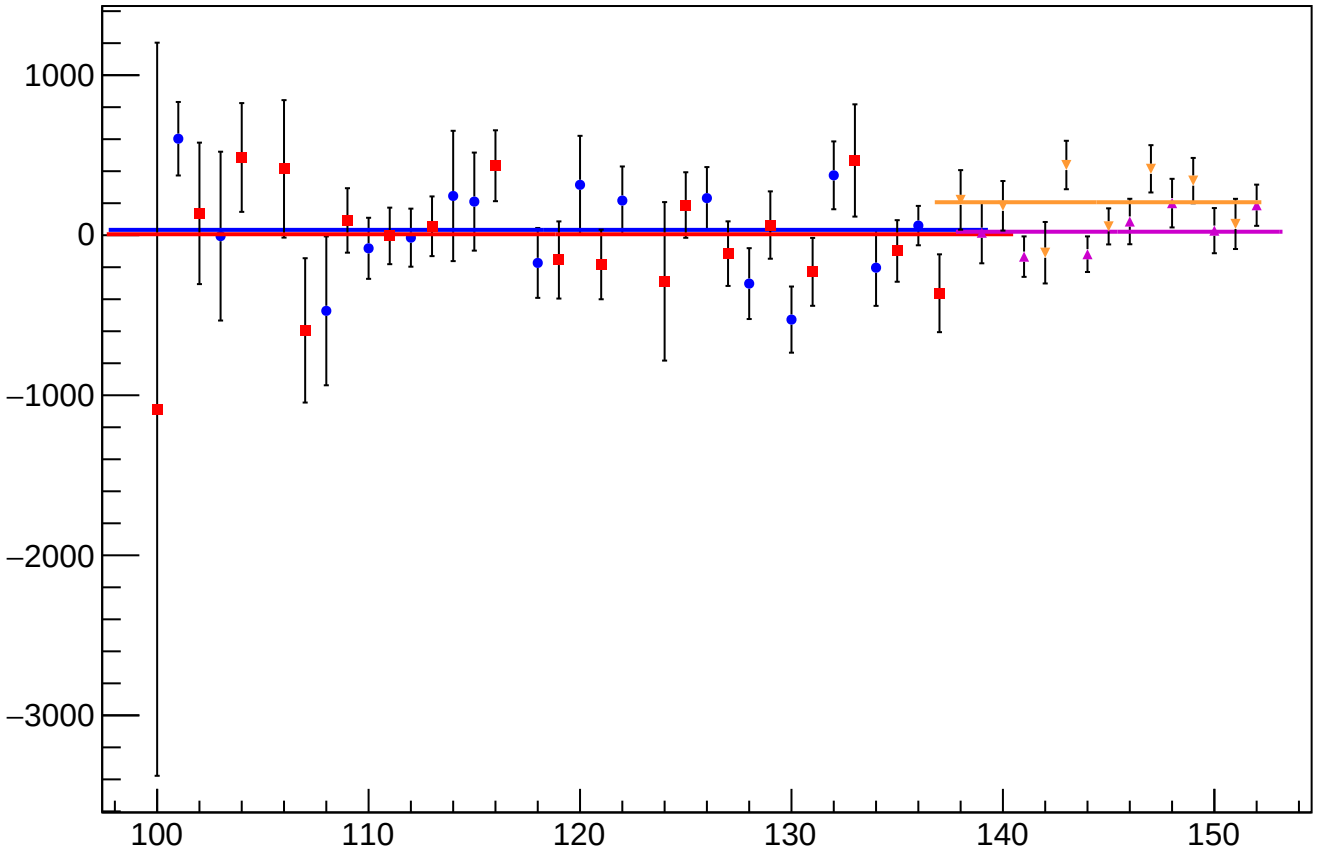
Left: 862.614+/-0.182 χ^2/NDF: 1890106.6/14

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1032.133+/-0.218 χ^2/NDF:3915273.4/22

Out: 1090.498+/-0.226 χ^2/NDF:3610146.8/26

All: 1060.289+/-0.157 χ^2/NDF: 7559994.4/49



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: 21.766+/-51.693 χ^2/NDF:6.4/6

Left: 111.671+/-36.999 χ^2/NDF: 23.1/14

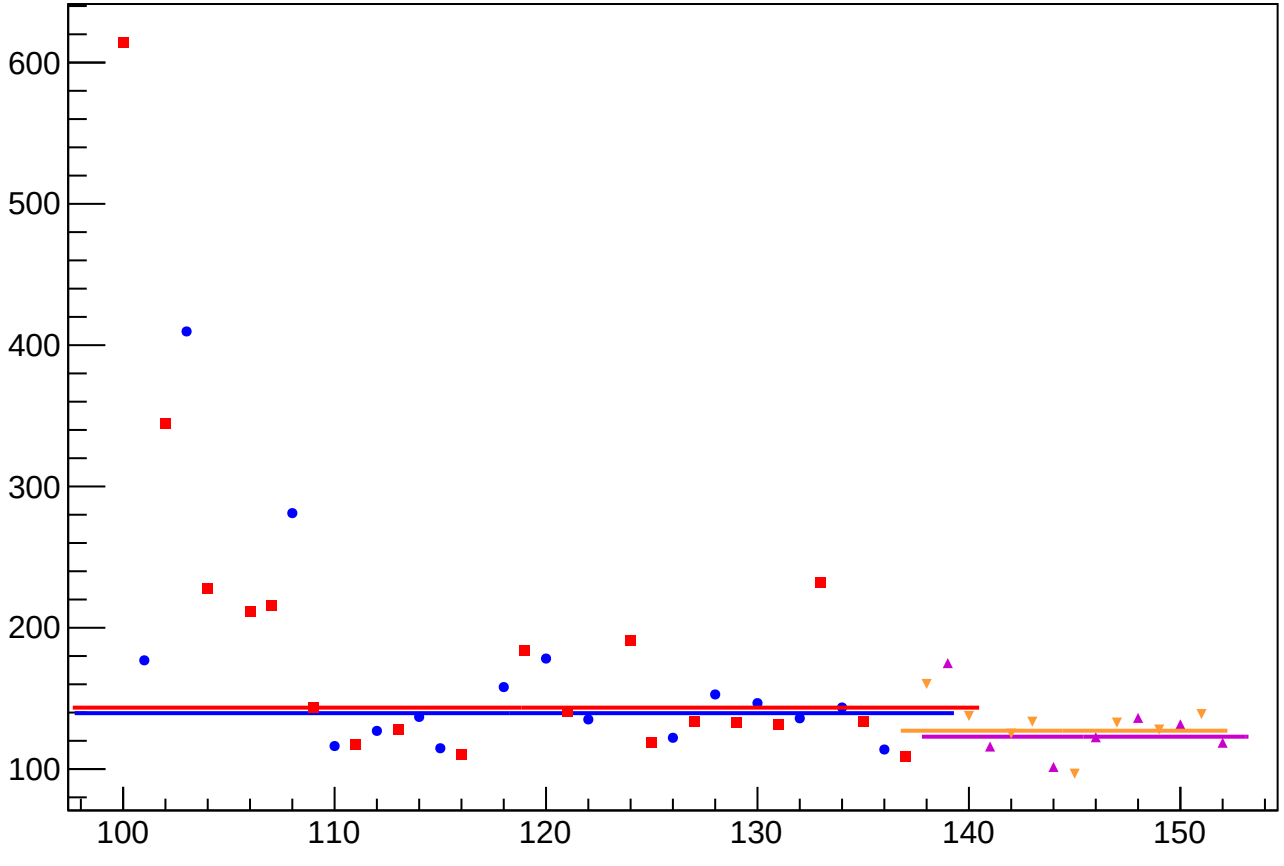
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 27.266+/-37.638 χ^2/NDF:31.6/22

Out: 111.807+/-38.515 χ^2/NDF:34.6/26

All: 68.563+/-26.919 χ^2/NDF: 68.6/49

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: 122.923+/-0.037 χ^2/NDF:253872.0/6

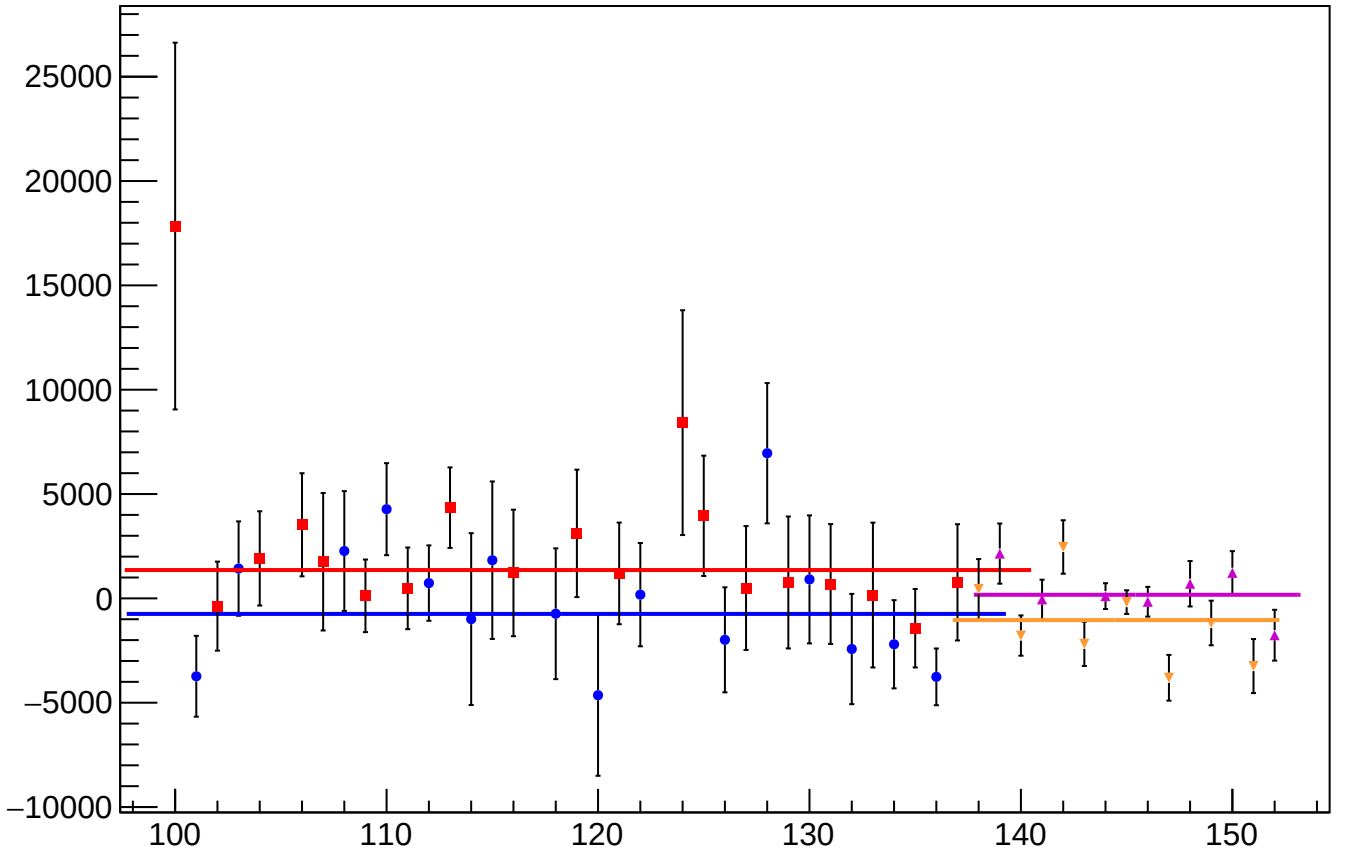
Left: 124.987+/-0.026 χ^2/NDF: 496227.9/14

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 130.743+/-0.027 χ^2/NDF:1328021.3/22

Out: 134.852+/-0.027 χ^2/NDF:1442025.6/26

All: 132.750+/-0.019 χ^2/NDF: 2781687.9/49



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: 171.604+/-340.099 χ^2/NDF:6.0/6

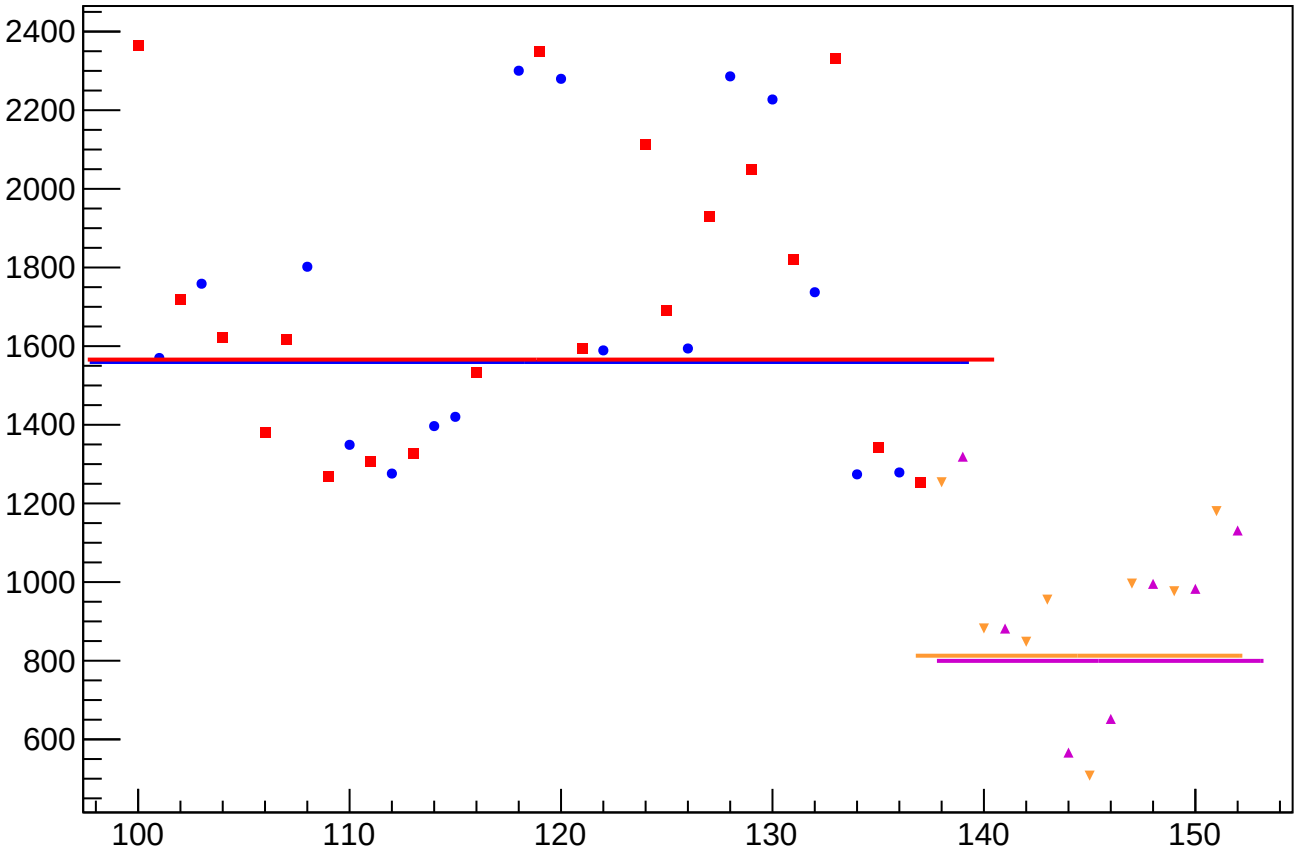
Left: -428.556+/-241.645 χ^2/NDF: 34.1/14

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -53.580+/-295.366 χ^2/NDF:31.2/22

Out: -427.065+/-296.252 χ^2/NDF:47.9/26

All: -239.763+/-209.168 χ^2/NDF: 79.9/49



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: 799.623+/-0.240 χ^2/NDF:920933.2/6

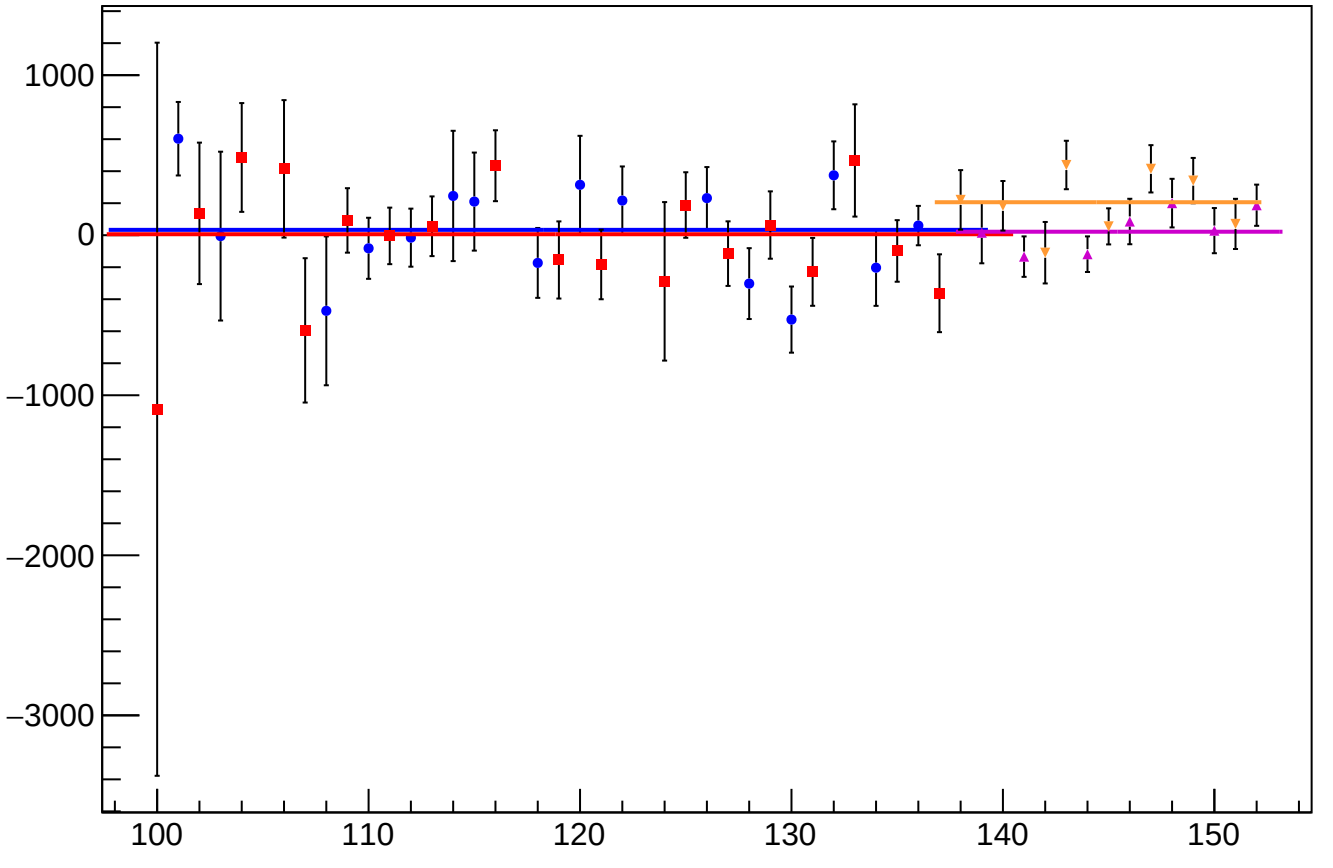
Left: 806.139+/-0.171 χ^2/NDF: 2004224.2/14

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 986.426+/-0.209 χ^2/NDF:3980313.1/22

Out: 1005.367+/-0.209 χ^2/NDF:4105228.6/26

All: 995.868+/-0.148 χ^2/NDF: 8089641.7/49



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: 21.766+/-51.693 χ^2/NDF:6.4/6

Left: 111.672+/-36.999 χ^2/NDF: 23.1/14

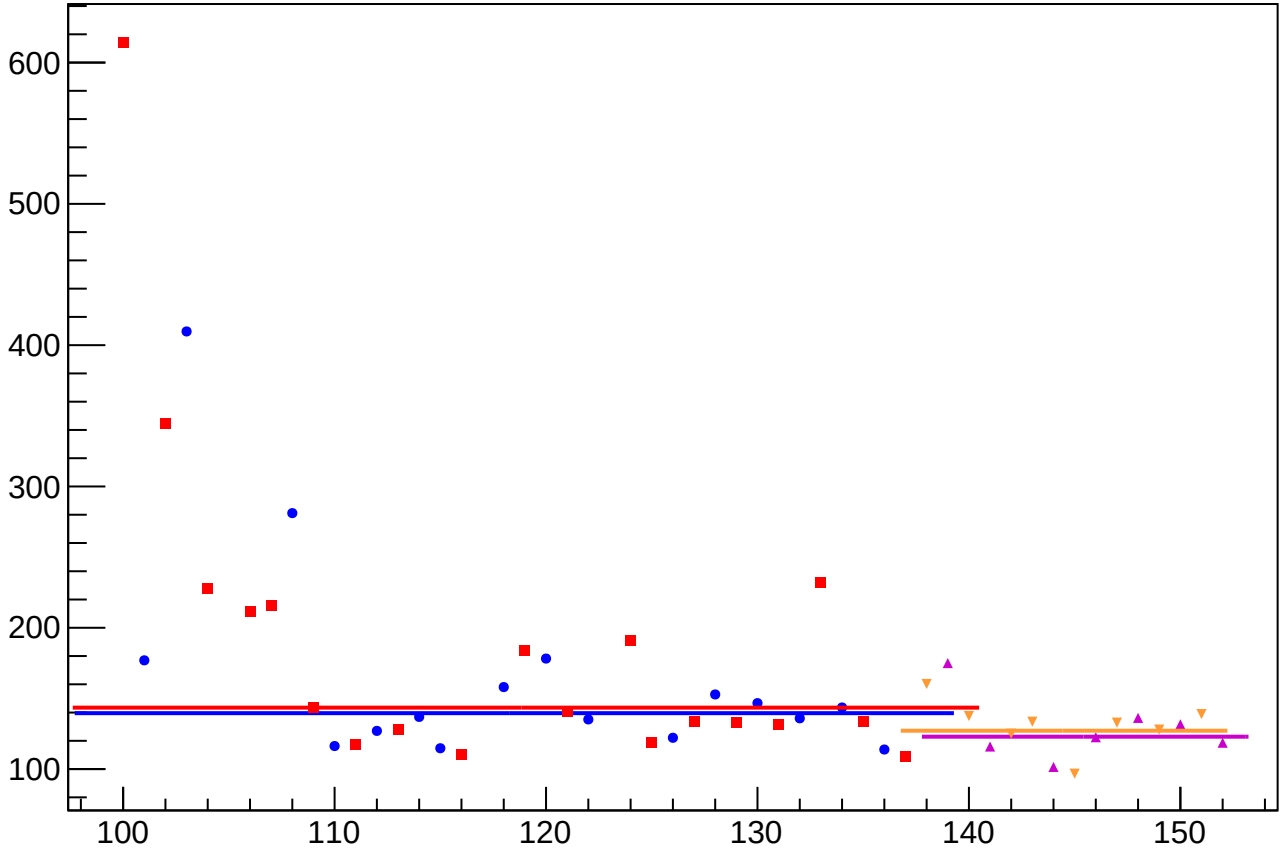
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 27.265+/-37.638 χ^2/NDF:31.6/22

Out: 111.805+/-38.515 χ^2/NDF:34.6/26

All: 68.561+/-26.919 χ^2/NDF: 68.6/49

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: 122.924+/-0.037 χ^2/NDF:253869.7/6

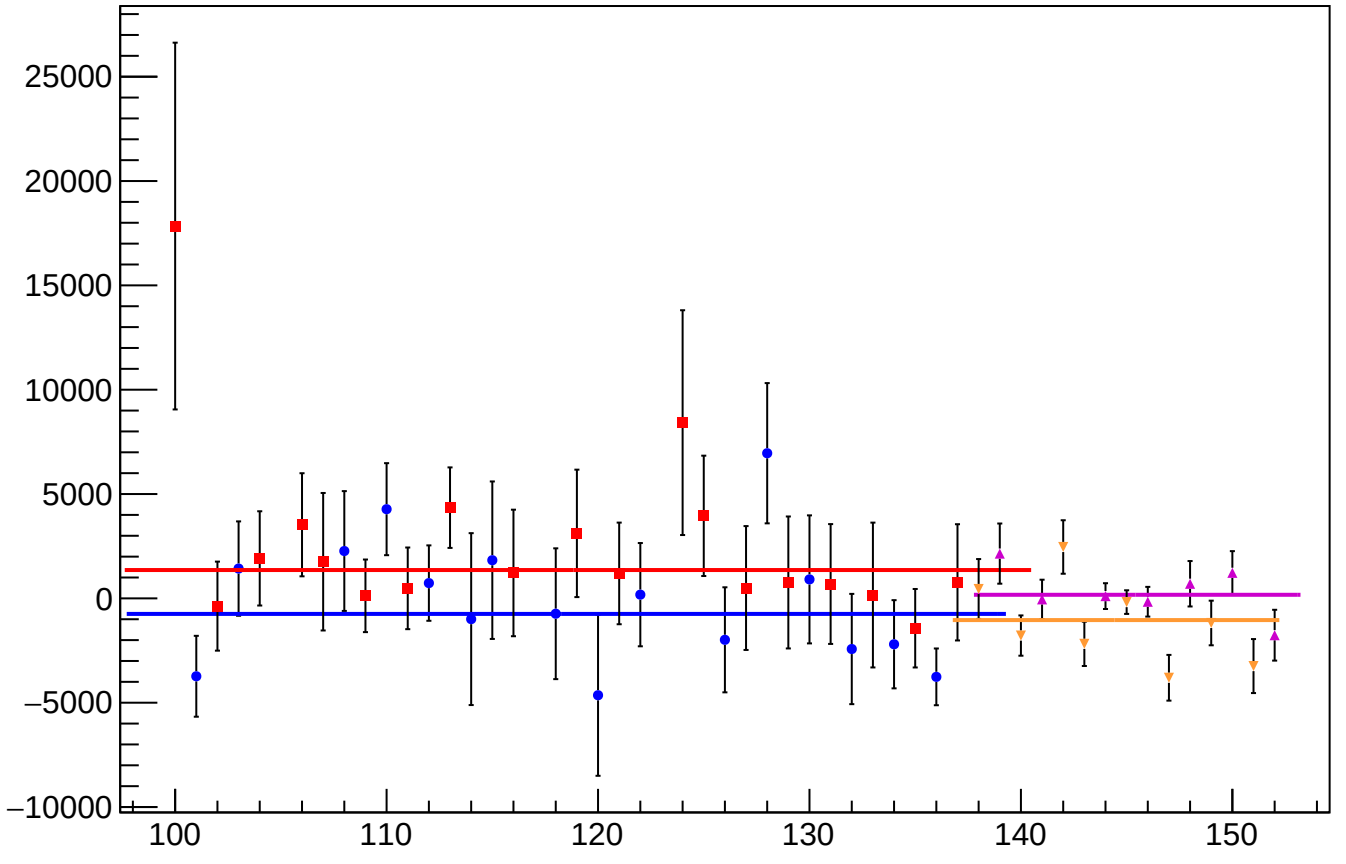
Left: 124.988+/-0.026 χ^2/NDF: 496232.2/14

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 130.744+/-0.027 χ^2/NDF:1328016.9/22

Out: 134.852+/-0.027 χ^2/NDF:1442035.7/26

All: 132.751+/-0.019 χ^2/NDF: 2781694.2/49



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: 171.603+/-340.099 χ^2/NDF:6.0/6

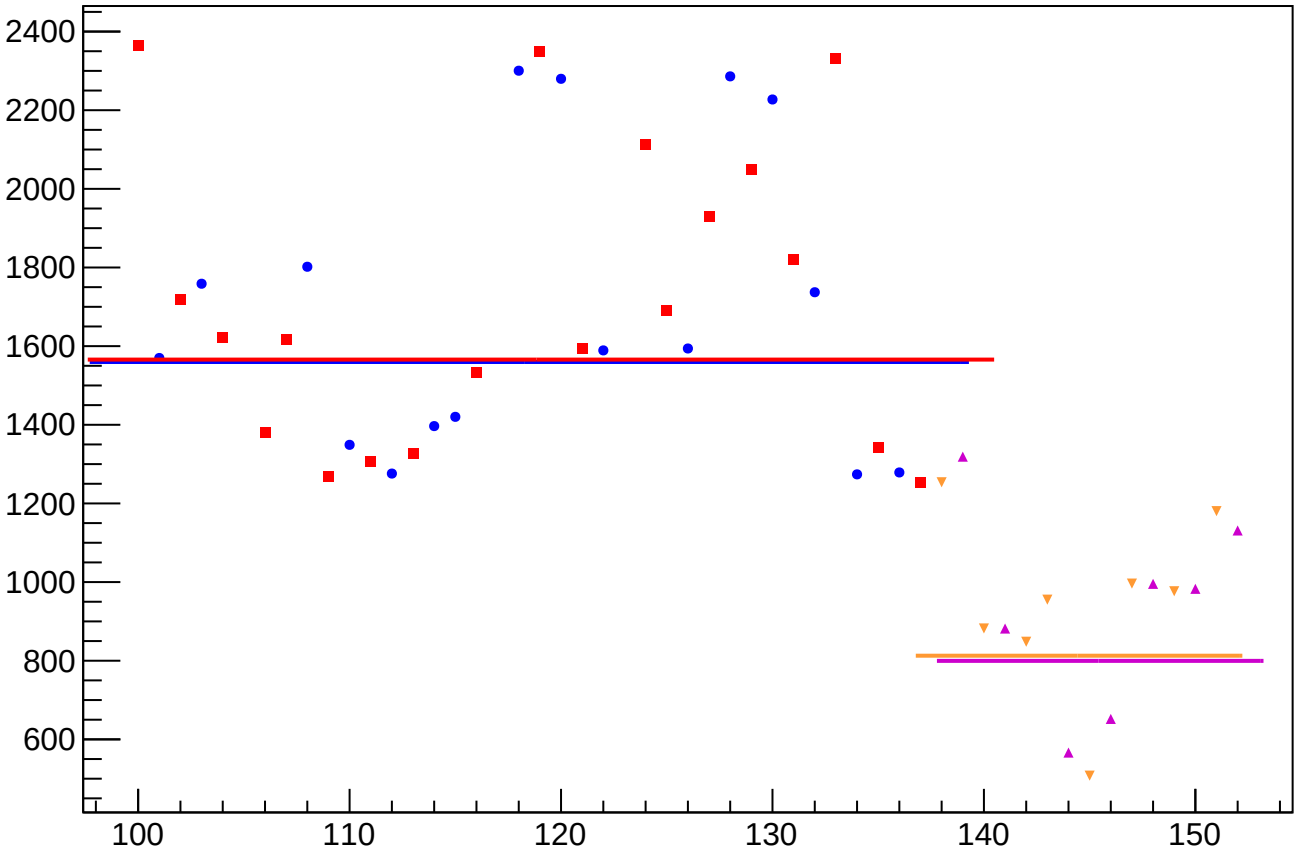
Left: -428.557+/-241.645 χ^2/NDF: 34.1/14

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -53.580+/-295.366 χ^2/NDF:31.2/22

Out: -427.067+/-296.252 χ^2/NDF:47.9/26

All: -239.764+/-209.168 χ^2/NDF: 79.9/49



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: 799.622+/-0.240 χ^2/NDF:920932.3/6

Left: 806.138+/-0.171 χ^2/NDF: 2004222.8/14

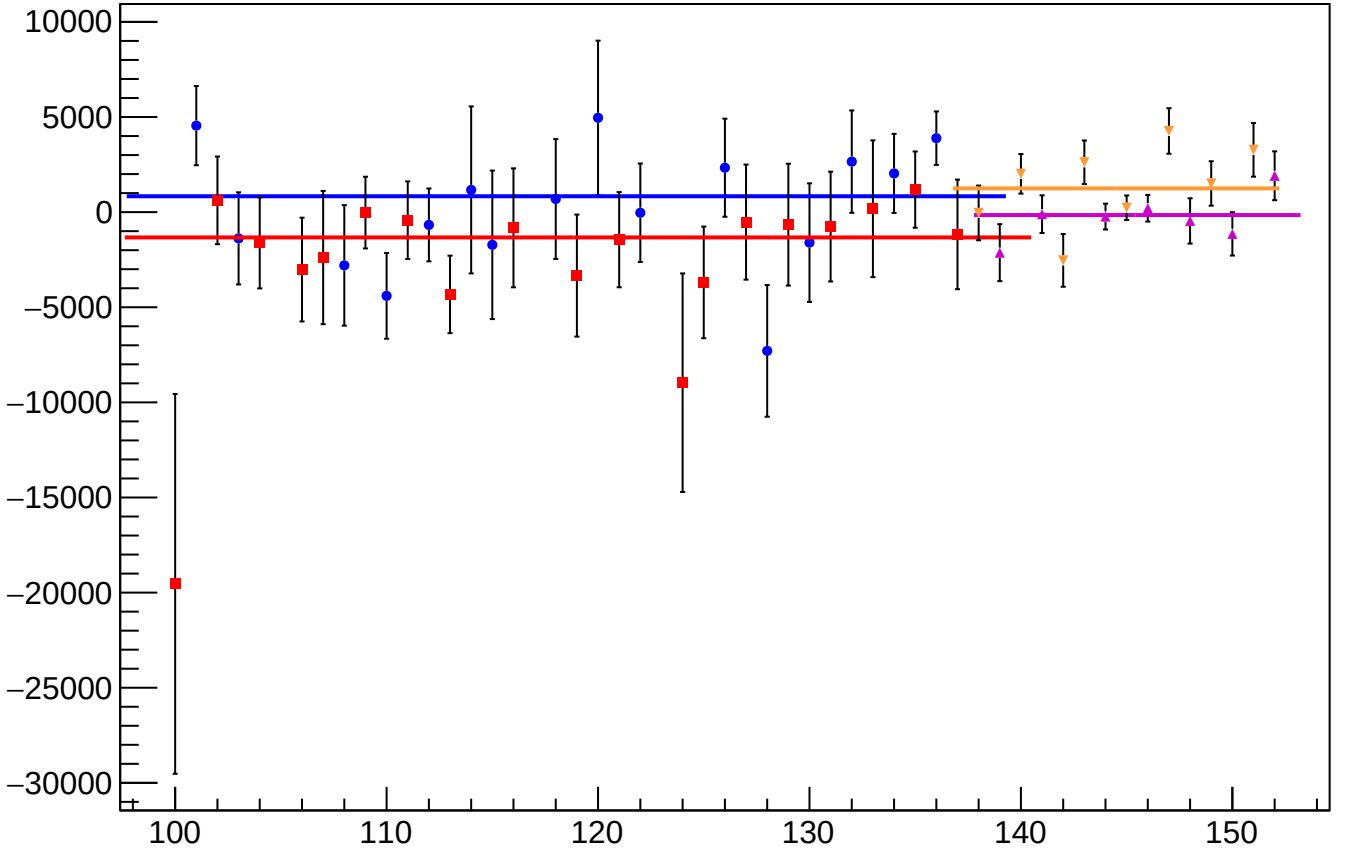
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 986.425+/-0.209 χ^2/NDF:3980312.6/22

Out: 1005.366+/-0.209 χ^2/NDF:4105223.8/26

All: 995.867+/-0.148 χ^2/NDF: 8089636.3/49

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: -153.170+/-358.920 χ^2/NDF:5.4/6

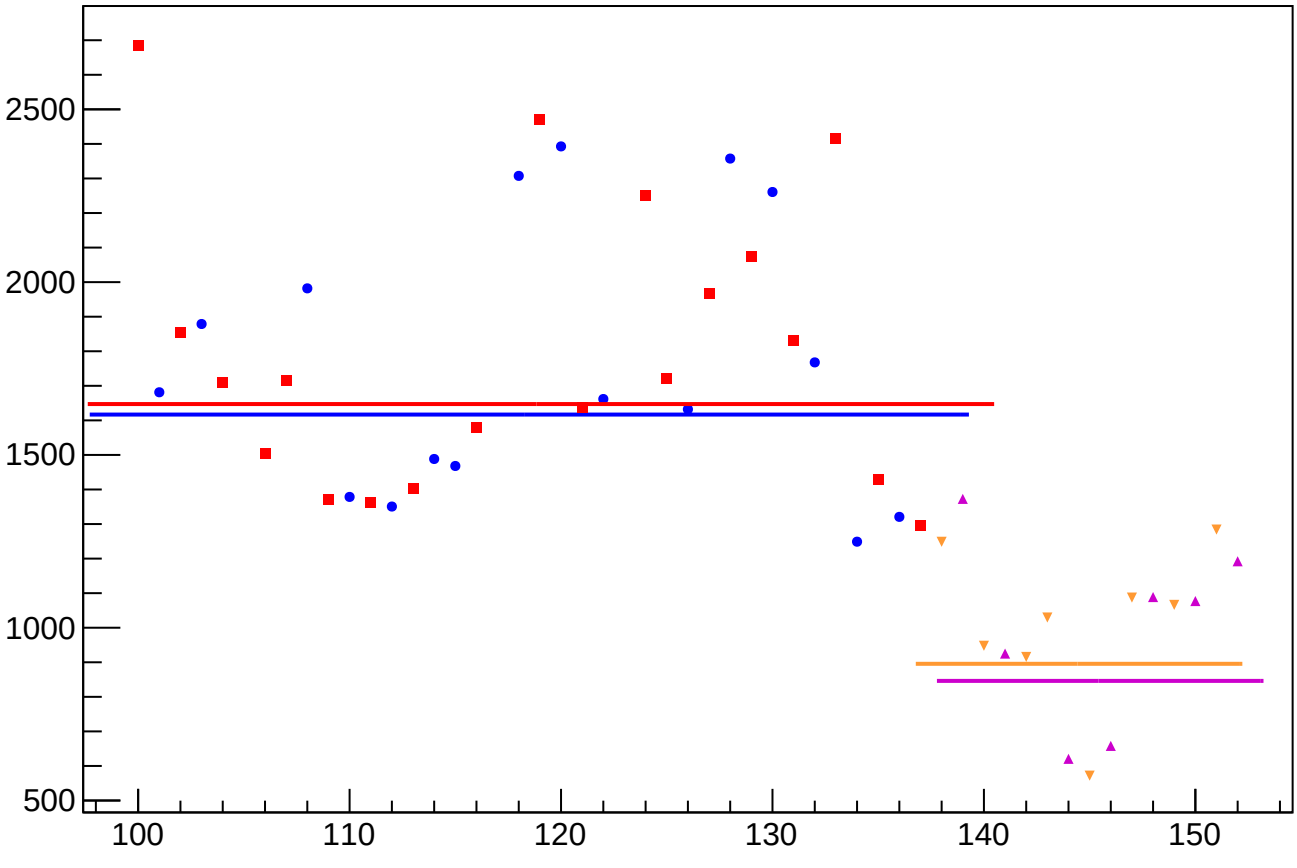
Left: 514.253+/-259.812 χ^2/NDF: 33.9/14

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 95.726+/-310.471 χ^2/NDF:32.2/22

Out: 548.188+/-321.354 χ^2/NDF:46.1/26

All: 314.166+/-223.284 χ^2/NDF: 79.3/49



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: 846.146+/-0.254 χ^2/NDF:936118.6/6

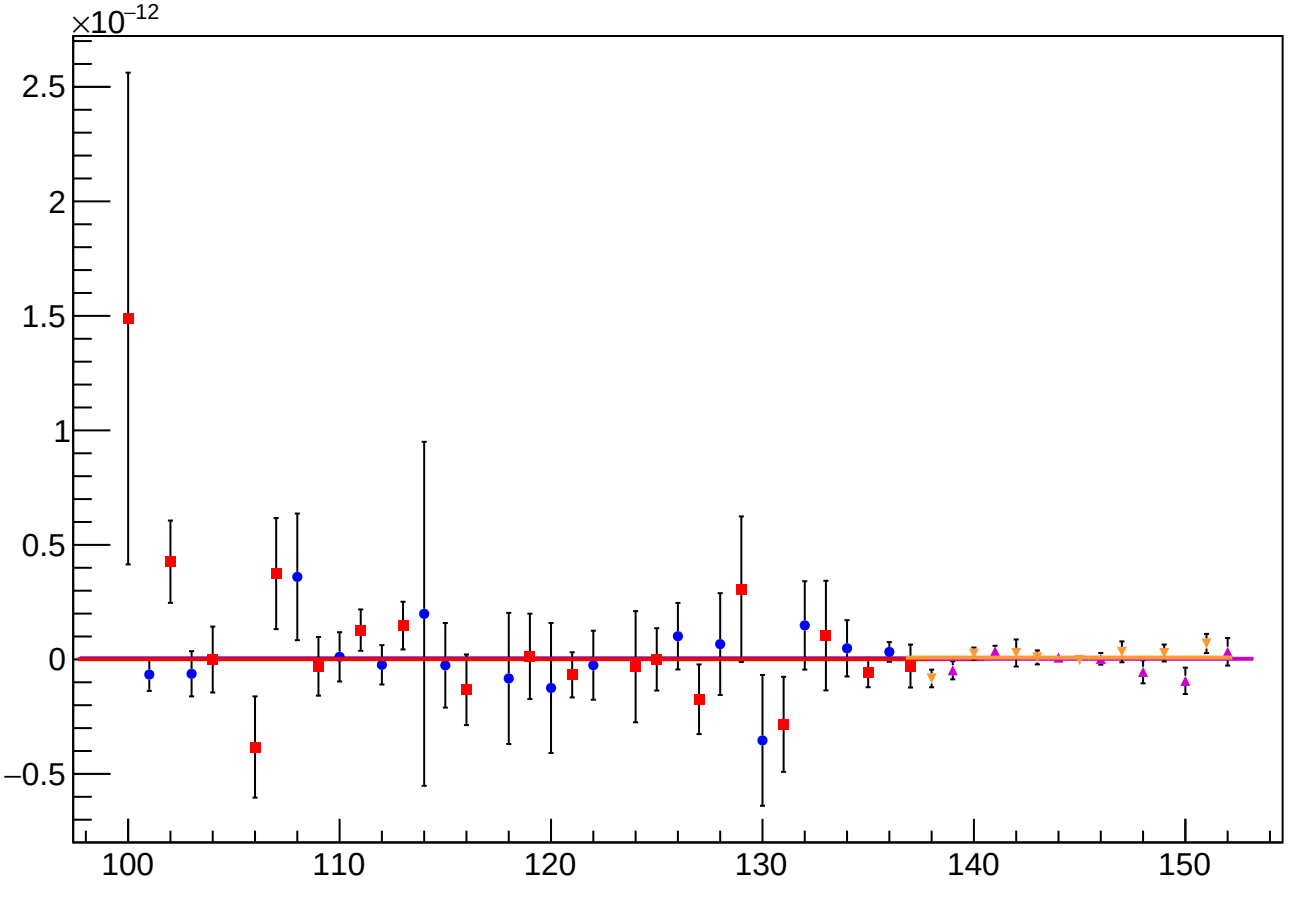
Left: 869.680+/-0.184 χ^2/NDF: 1861670.6/14

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1040.159+/-0.220 χ^2/NDF:3879668.6/22

Out: 1099.860+/-0.227 χ^2/NDF:3596836.3/26

All: 1068.981+/-0.158 χ^2/NDF: 7512207.6/49



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:8.0/6

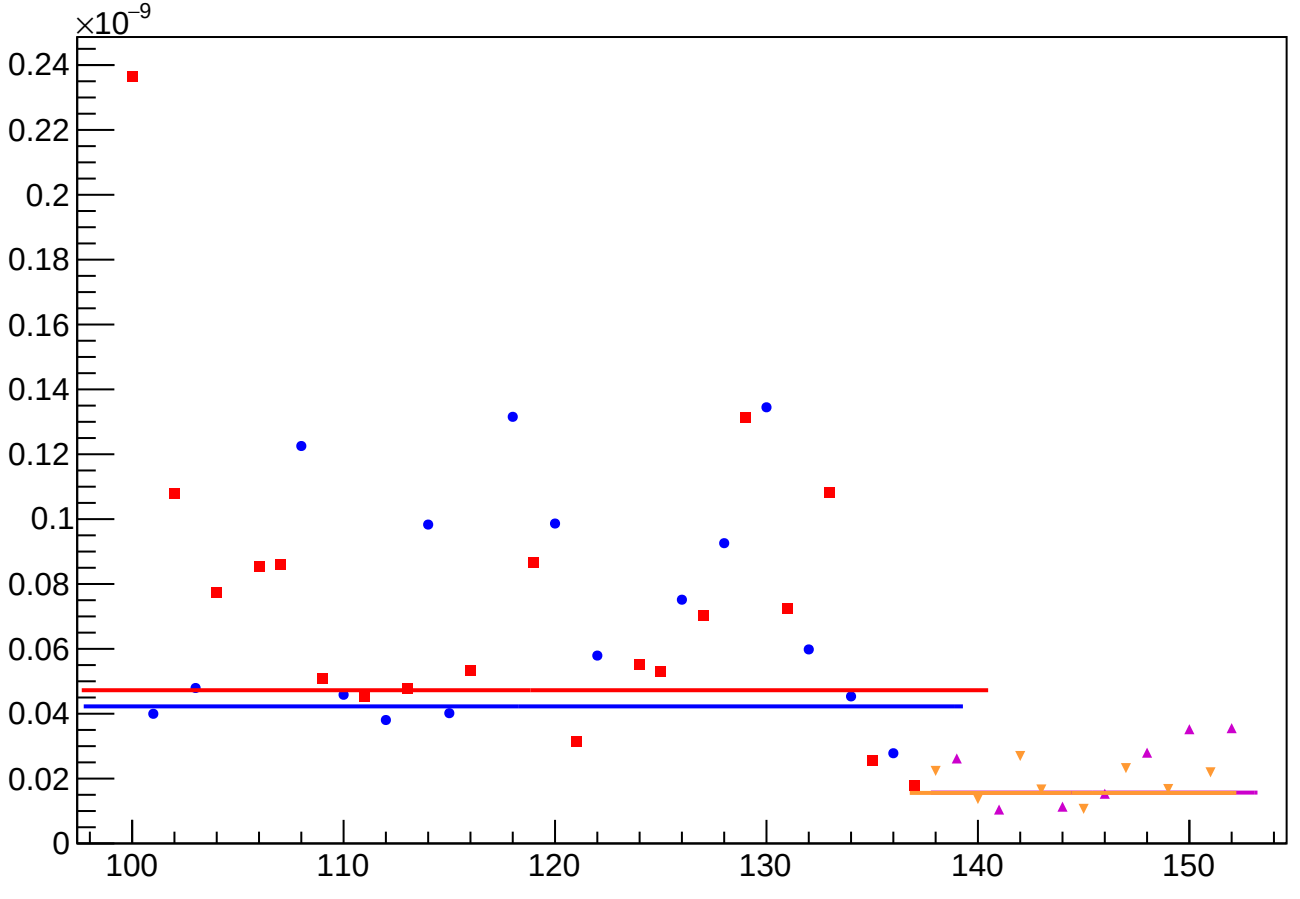
Left: 0.000+/-0.000 χ^2/NDF: 17.3/14

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:14.8/22

Out: 0.000+/-0.000 χ^2/NDF:32.7/26

All: 0.000+/-0.000 χ^2/NDF: 47.6/49



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:922872.0/6

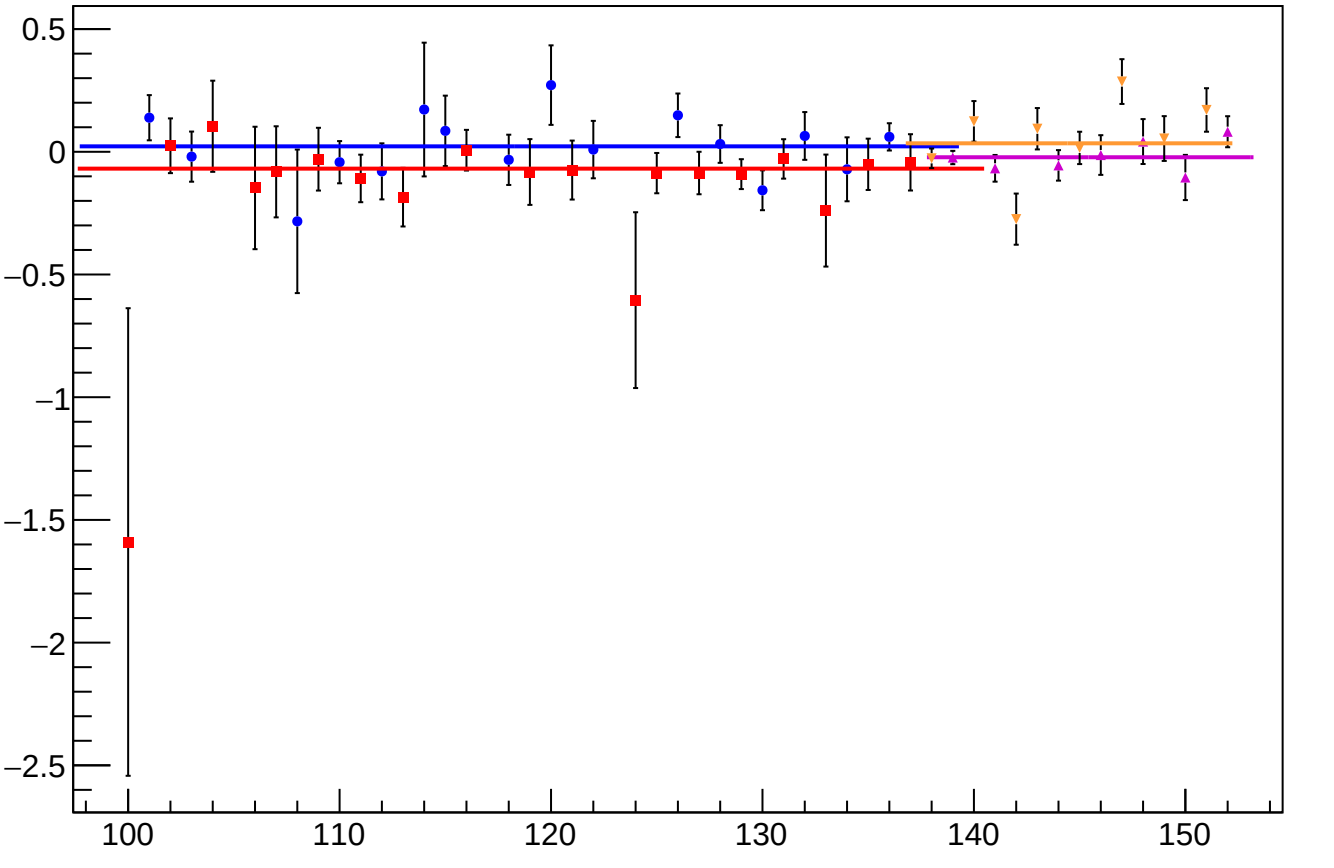
Left: 0.000+/-0.000 χ^2/NDF: 1318385.2/14

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:3699645.7/22

Out: 0.000+/-0.000 χ^2/NDF:3733088.1/26

All: 0.000+/-0.000 χ^2/NDF: 7433176.9/49



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: -0.022+/-0.020 χ^2/NDF:5.0/6

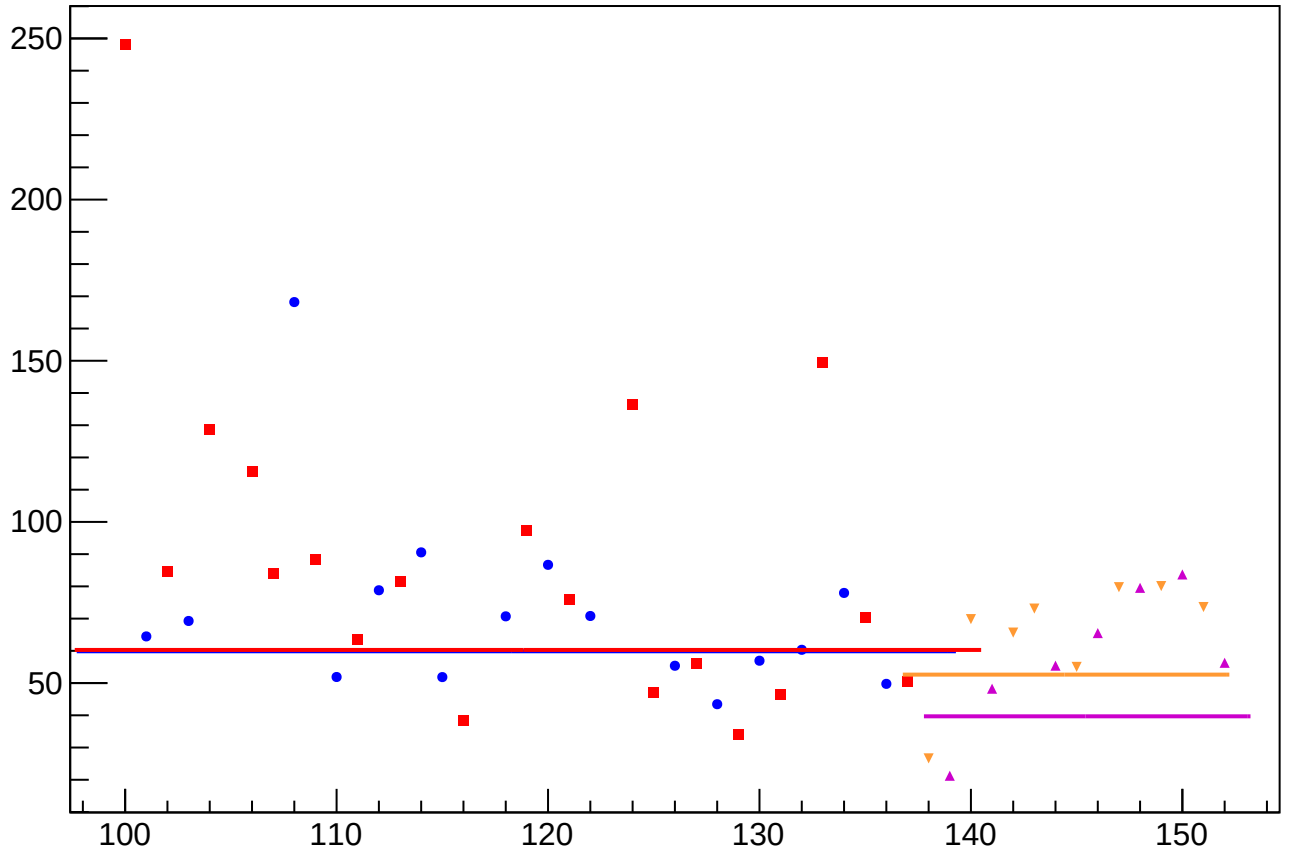
Left: -0.001+/-0.015 χ^2/NDF: 31.1/14

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.4/22

Out: -0.016+/-0.018 χ^2/NDF:40.9/26

All: -0.010+/-0.012 χ^2/NDF: 63.6/49



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: 39.686+/-0.014 χ^2/NDF:2278039.6/6

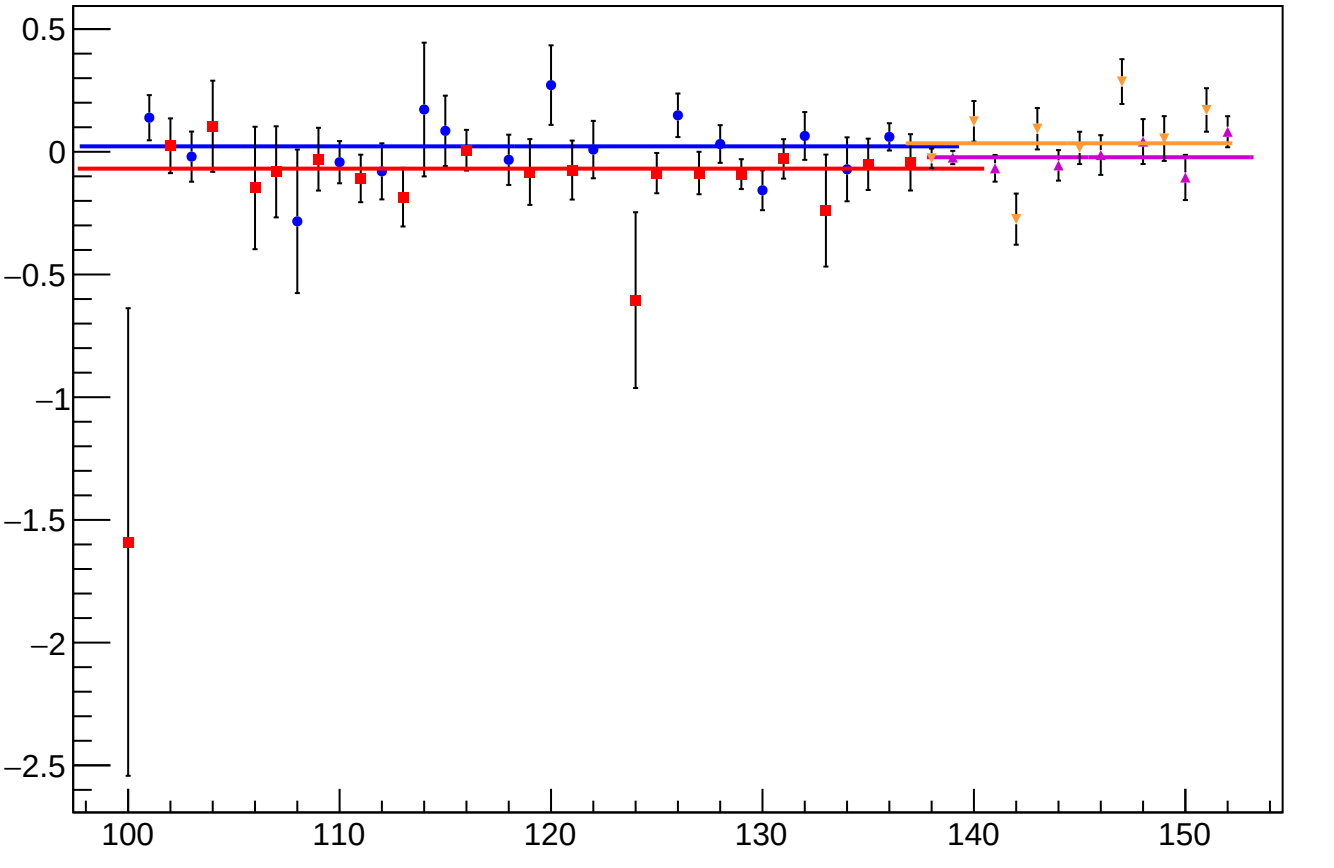
Left: 44.635+/-0.011 χ^2/NDF: 4170453.2/14

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 47.511+/-0.011 χ^2/NDF:3796189.0/22

Out: 56.400+/-0.013 χ^2/NDF:3630354.2/26

All: 51.317+/-0.008 χ^2/NDF: 7713177.9/49



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: -0.022+/-0.020 χ^2/NDF:5.0/6

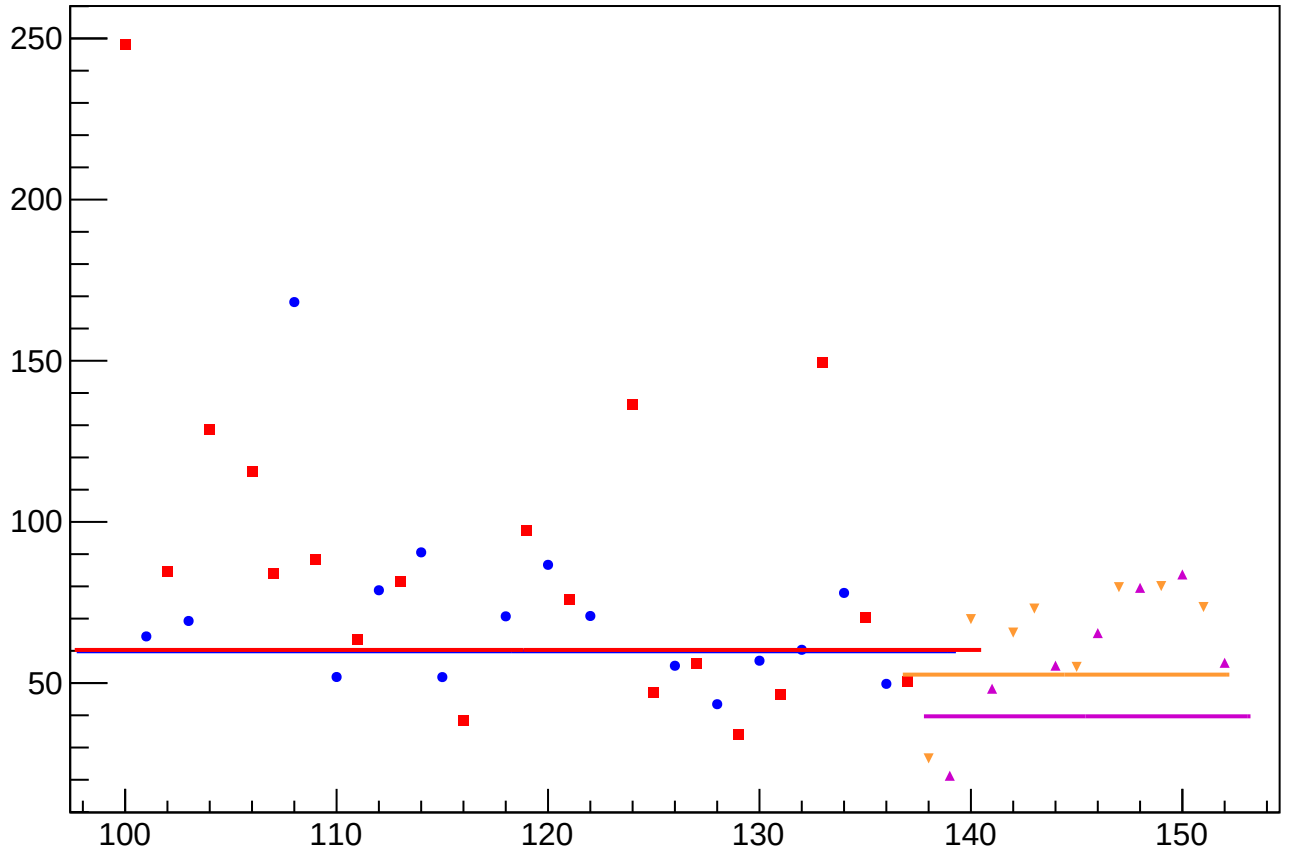
Left: -0.001+/-0.015 χ^2/NDF: 31.1/14

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.4/22

Out: -0.016+/-0.018 χ^2/NDF:40.9/26

All: -0.010+/-0.012 χ^2/NDF: 63.6/49



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: 39.686+/-0.014 χ^2/NDF:2278039.6/6

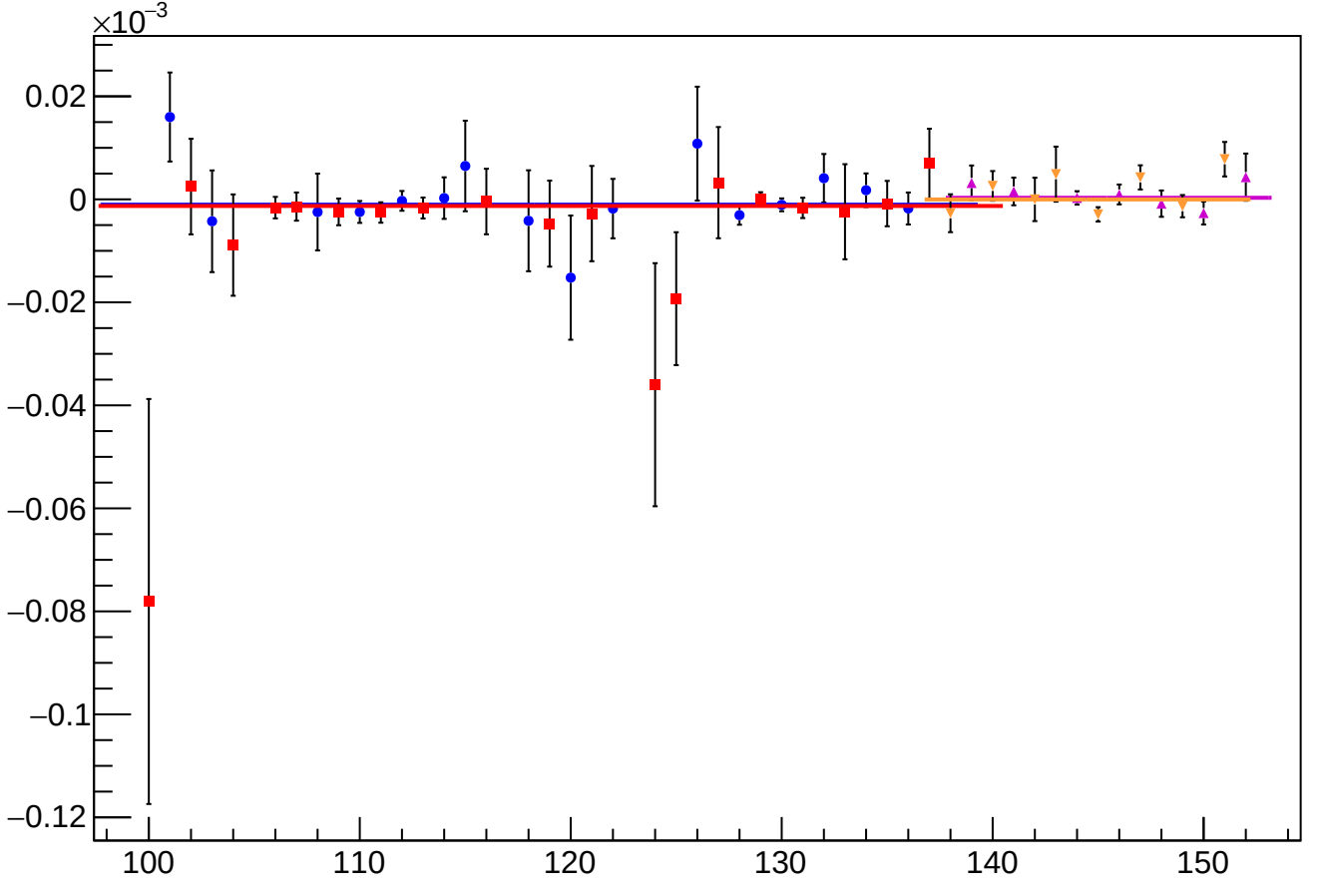
Left: 44.635+/-0.011 χ^2/NDF: 4170453.2/14

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 47.511+/-0.011 χ^2/NDF:3796189.0/22

Out: 56.400+/-0.013 χ^2/NDF:3630354.2/26

All: 51.317+/-0.008 χ^2/NDF: 7713177.9/49



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:3.8/6

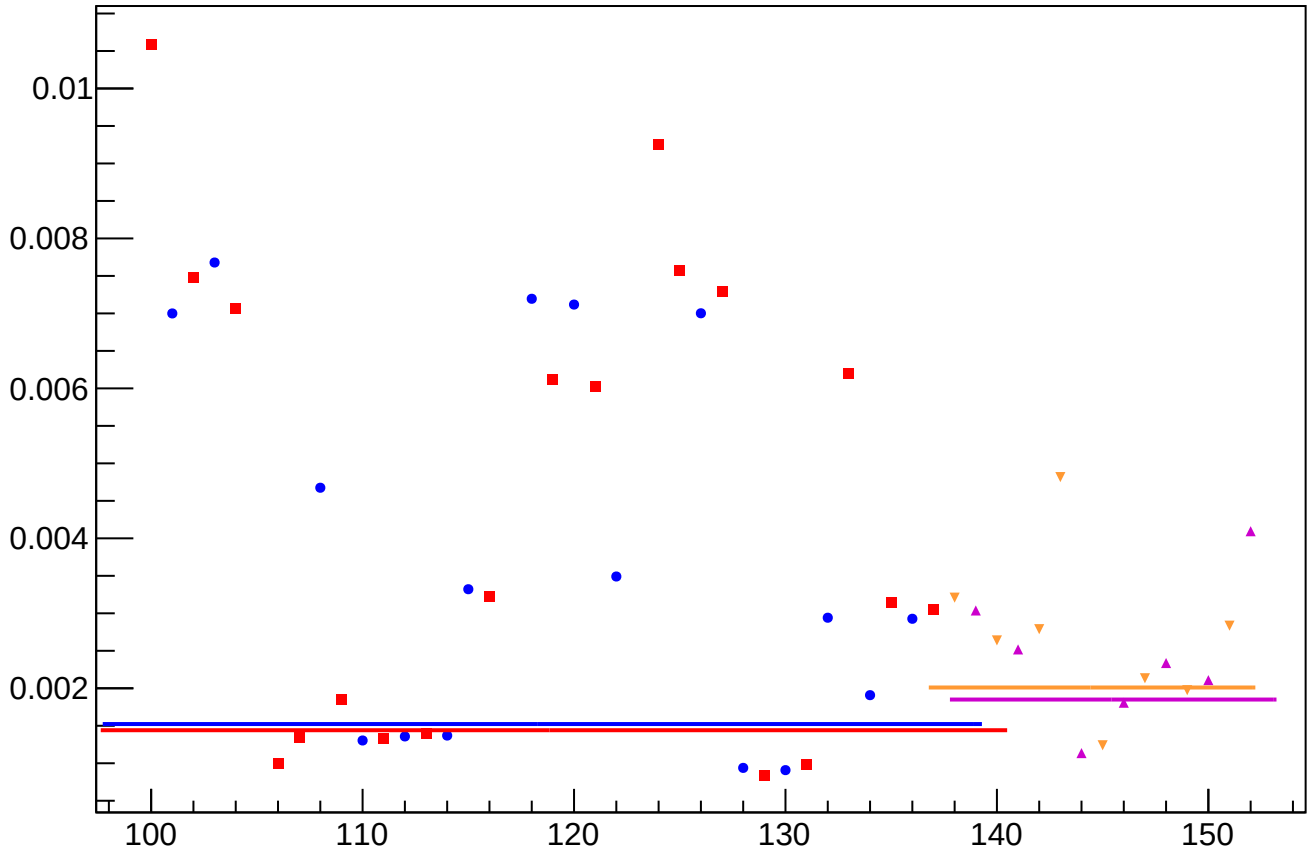
Left: 0.000+/-0.000 χ^2/NDF: 19.5/14

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:16.5/22

Out: -0.000+/-0.000 χ^2/NDF:29.4/26

All: -0.000+/-0.000 χ^2/NDF: 46.1/49



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:1548513.2/6

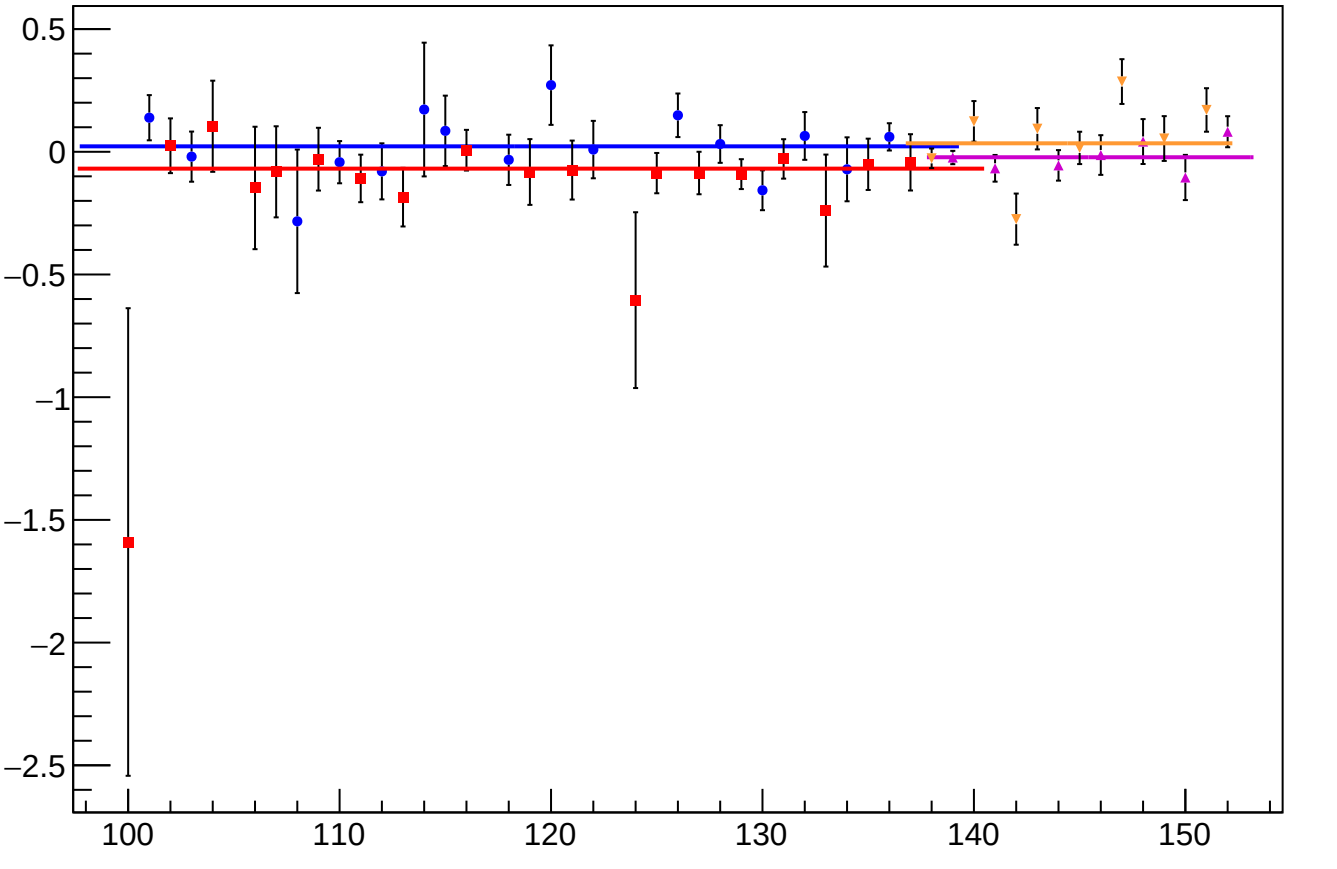
Left: 0.002+/-0.000 χ^2/NDF: 3245823.1/14

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:6906451.8/22

Out: 0.002+/-0.000 χ^2/NDF:7963133.5/26

All: 0.002+/-0.000 χ^2/NDF: 14869851.2/49



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: -0.022+/-0.020 χ^2/NDF:5.0/6

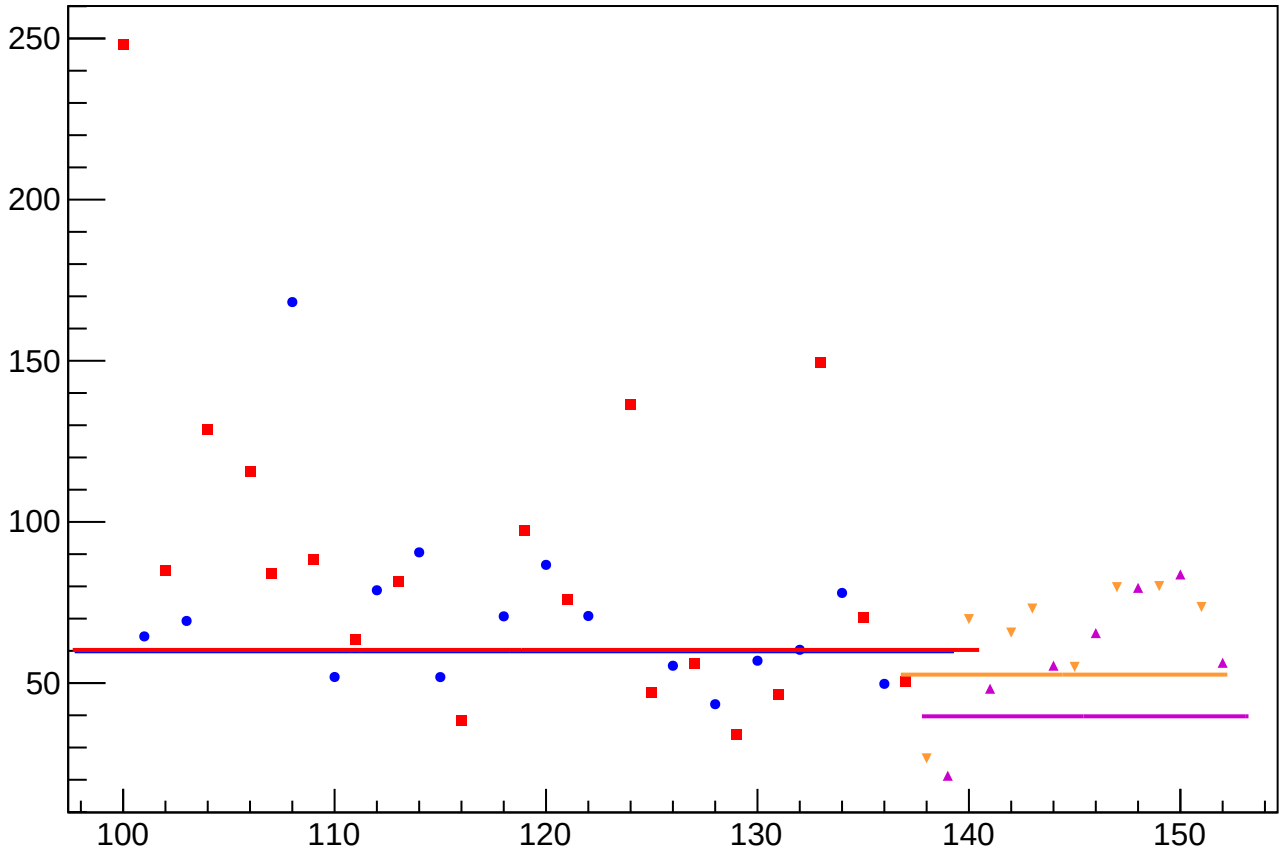
Left: -0.001+/-0.015 χ^2/NDF: 31.1/14

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.5/22

Out: -0.016+/-0.018 χ^2/NDF:41.0/26

All: -0.010+/-0.012 χ^2/NDF: 63.6/49



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: 39.684+/-0.014 χ^2/NDF:2278341.4/6

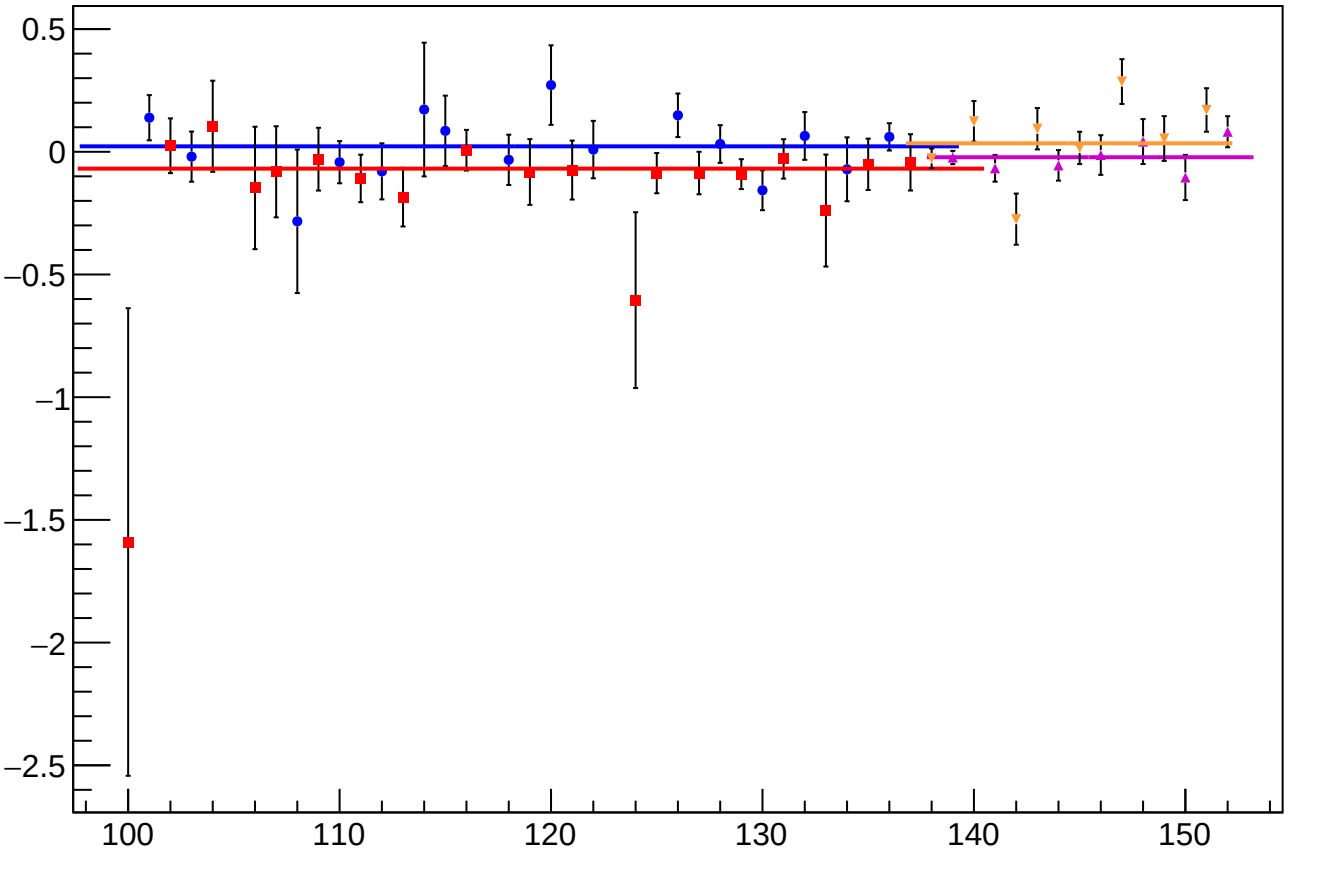
Left: 44.634+/-0.011 χ^2/NDF: 4171083.7/14

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 47.510+/-0.011 χ^2/NDF:3796701.7/22

Out: 56.400+/-0.013 χ^2/NDF:3630799.8/26

All: 51.317+/-0.008 χ^2/NDF: 7714151.2/49



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: -0.022+/-0.020 χ^2/NDF:5.0/6

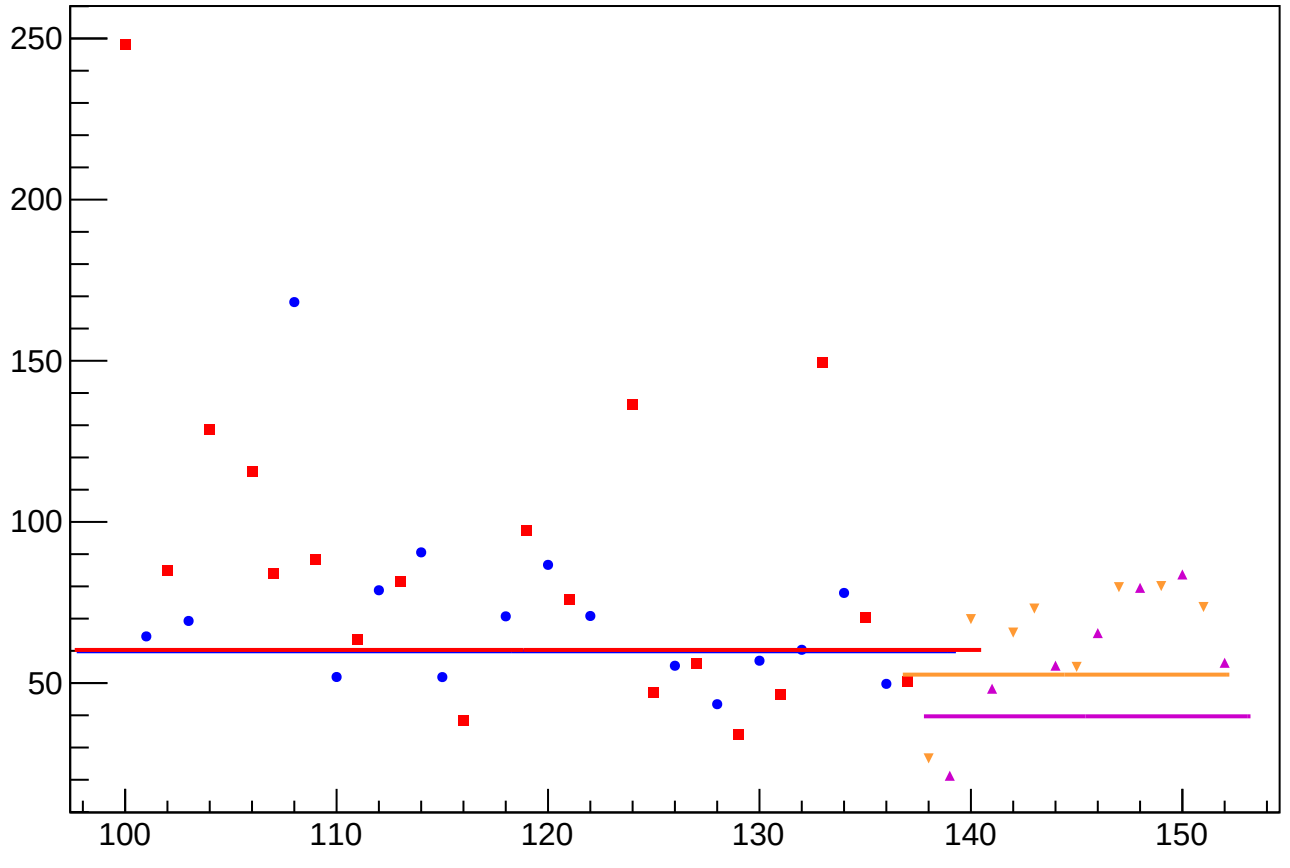
Left: -0.001+/-0.015 χ^2/NDF: 31.1/14

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.5/22

Out: -0.016+/-0.018 χ^2/NDF:41.0/26

All: -0.010+/-0.012 χ^2/NDF: 63.6/49



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: 39.684+/-0.014 χ^2/NDF:2278341.4/6

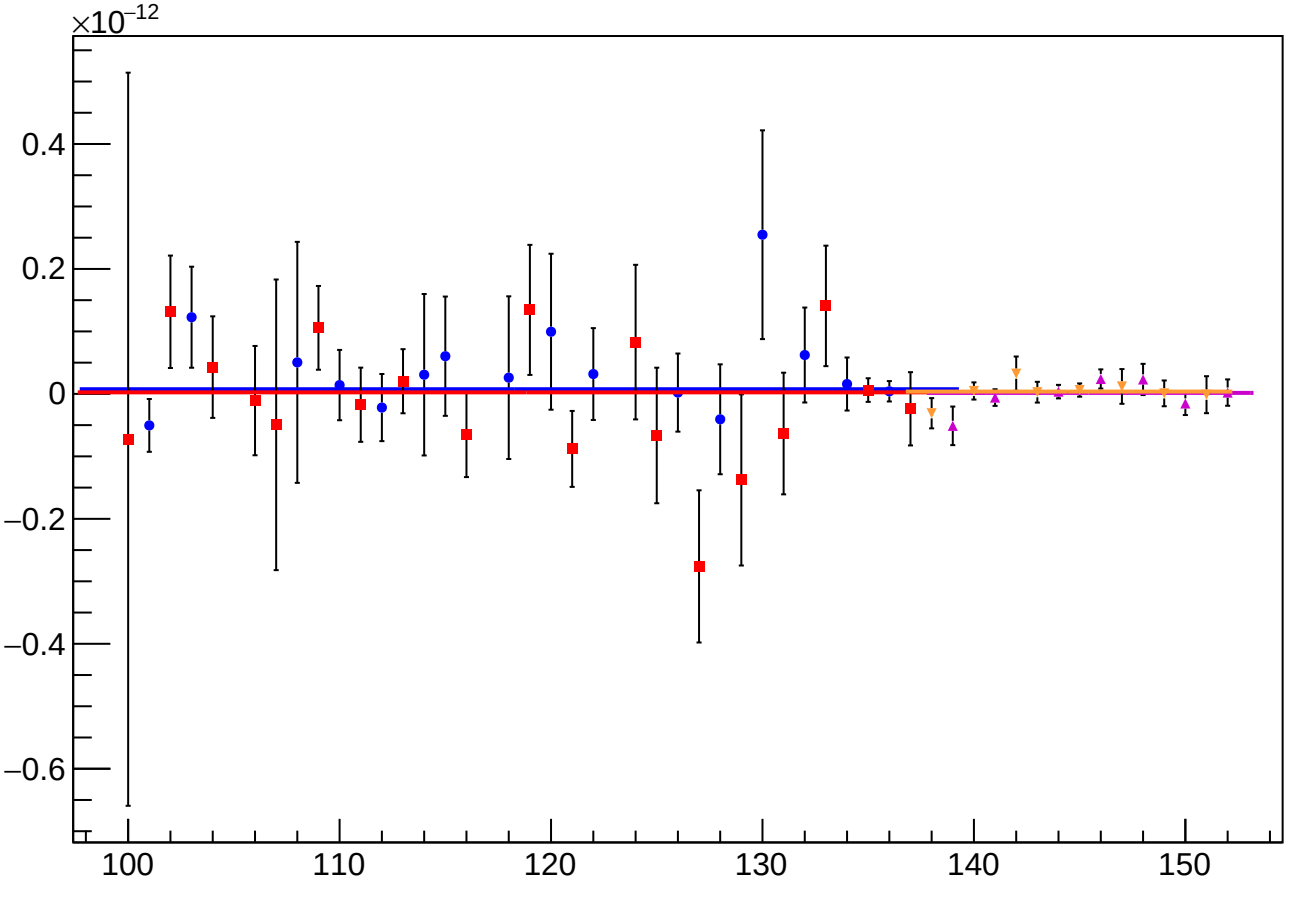
Left: 44.634+/-0.011 χ^2/NDF: 4171083.7/14

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 47.510+/-0.011 χ^2/NDF:3796701.7/22

Out: 56.400+/-0.013 χ^2/NDF:3630799.8/26

All: 51.317+/-0.008 χ^2/NDF: 7714151.2/49



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:7.0/6

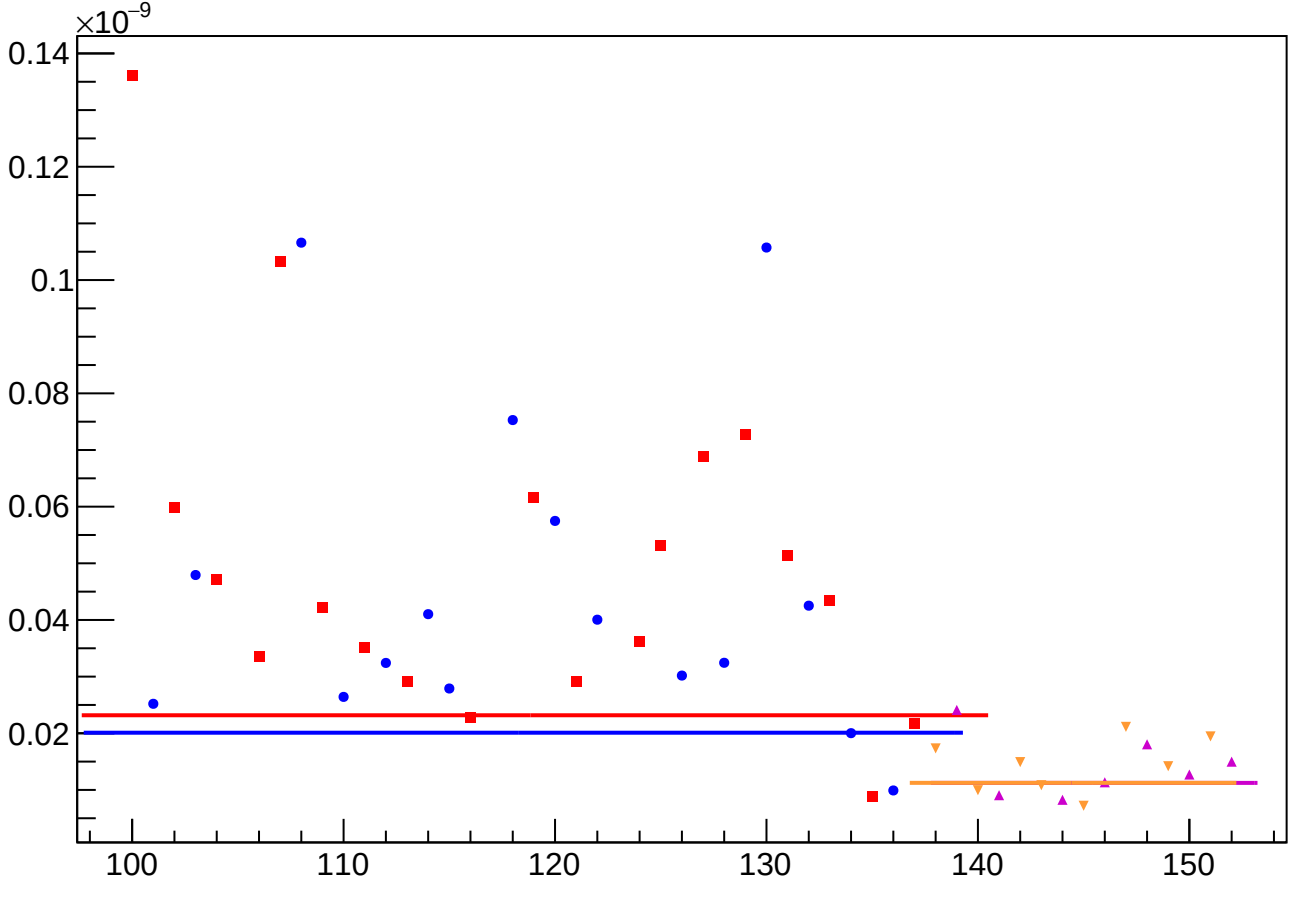
Left: 0.000+/-0.000 χ^2/NDF: 10.4/14

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: 0.000+/-0.000 χ^2/NDF:15.5/22

Out: 0.000+/-0.000 χ^2/NDF:23.0/26

All: 0.000+/-0.000 χ^2/NDF: 38.5/49



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:777458.6/6

Left: 0.000+/-0.000 χ^2/NDF: 1695045.1/14

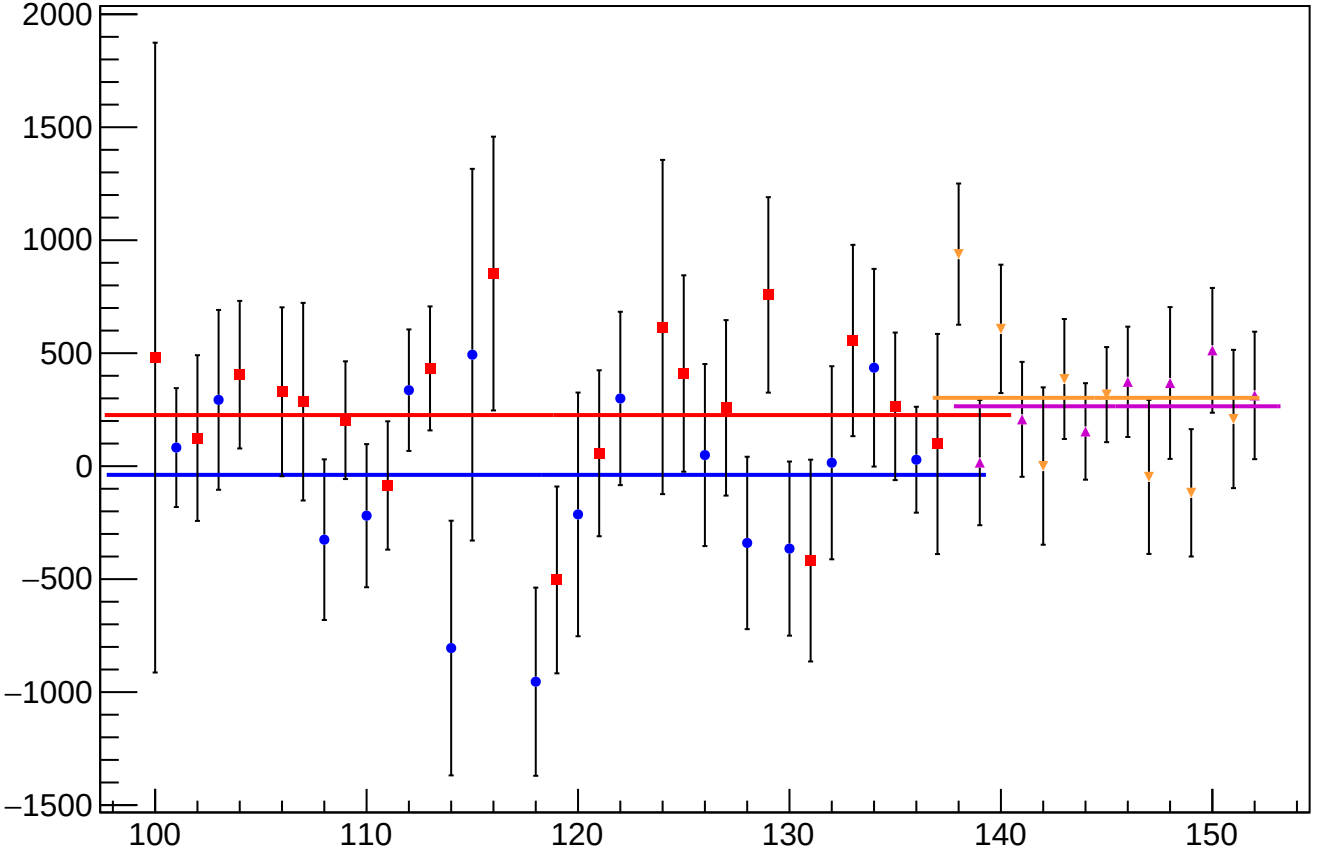
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4744387.2/22

Out: 0.000+/-0.000 χ^2/NDF:5730831.5/26

All: 0.000+/-0.000 χ^2/NDF: 10477866.9/49

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: 265.003+/-99.145 χ^2/NDF:2.3/6

Left: 283.485+/-70.490 χ^2/NDF: 11.9/14

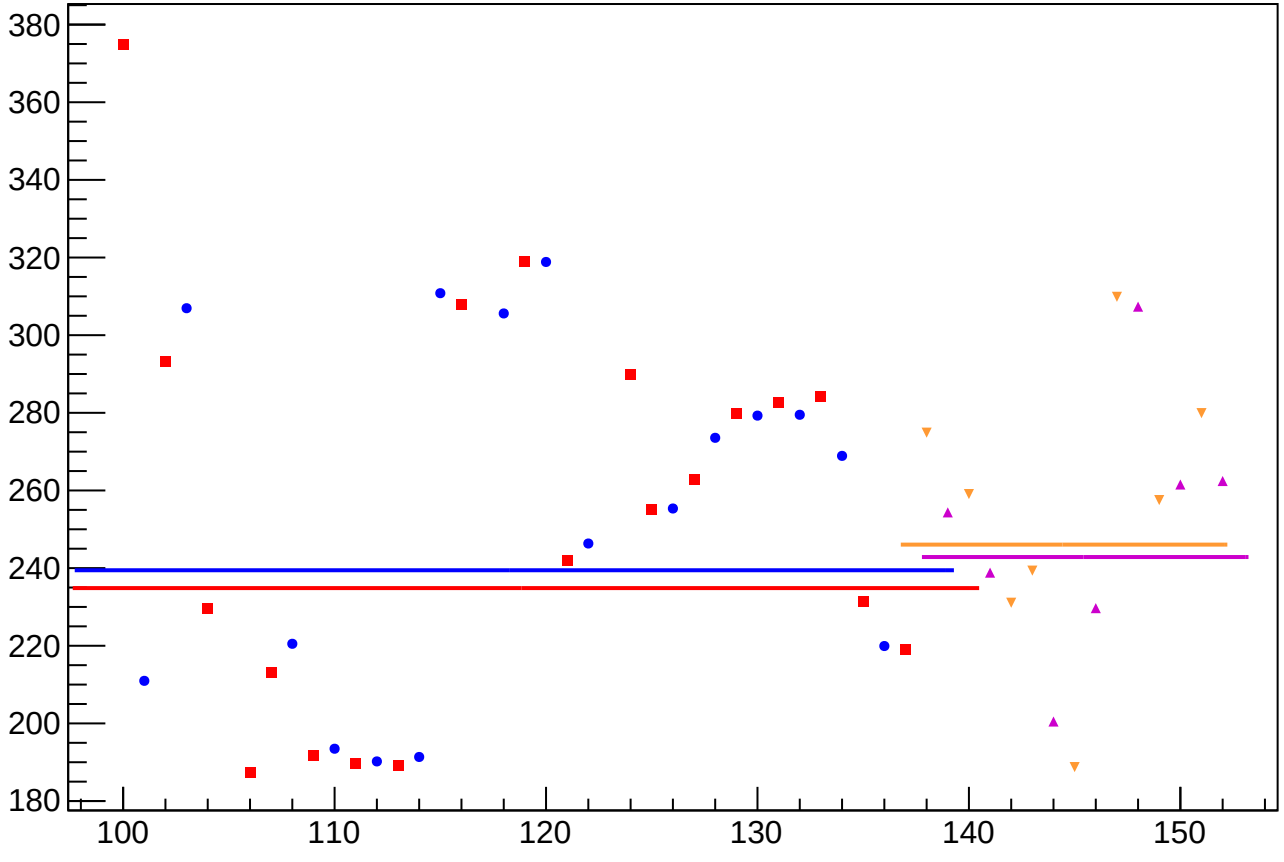
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 99.644+/-66.889 χ^2/NDF:21.8/22

Out: 259.298+/-66.093 χ^2/NDF:21.3/26

All: 180.426+/-47.013 χ^2/NDF: 46.0/49

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: 242.856+/-0.070 χ^2/NDF:181035.6/6

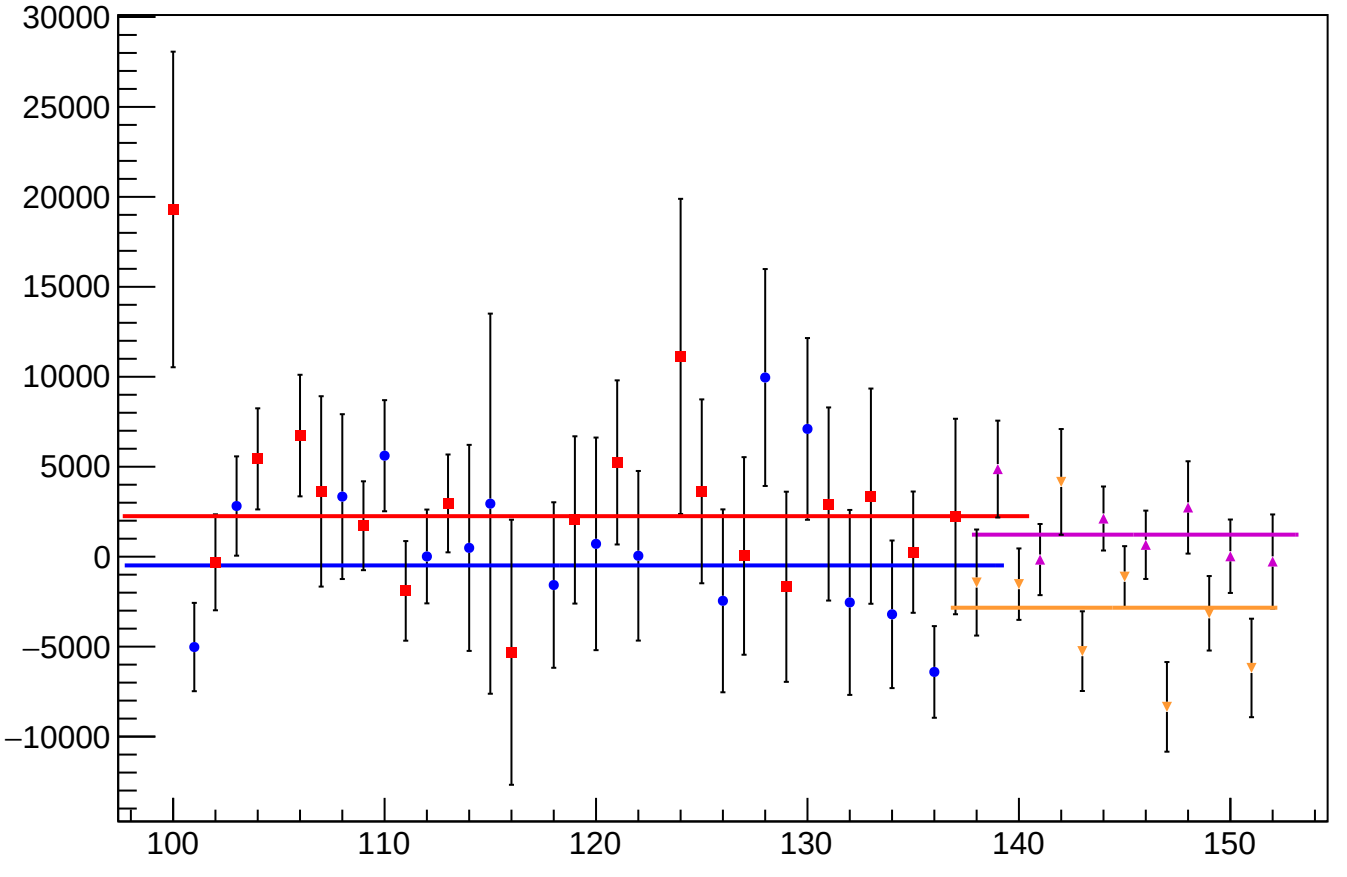
Left: 244.437+/-0.050 χ^2/NDF: 454456.7/14

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 241.000+/-0.047 χ^2/NDF:583278.0/22

Out: 239.723+/-0.047 χ^2/NDF:768220.0/26

All: 240.354+/-0.033 χ^2/NDF: 1351866.3/49



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: 1224.319+/-809.697 χ^2/NDF:3.7/6

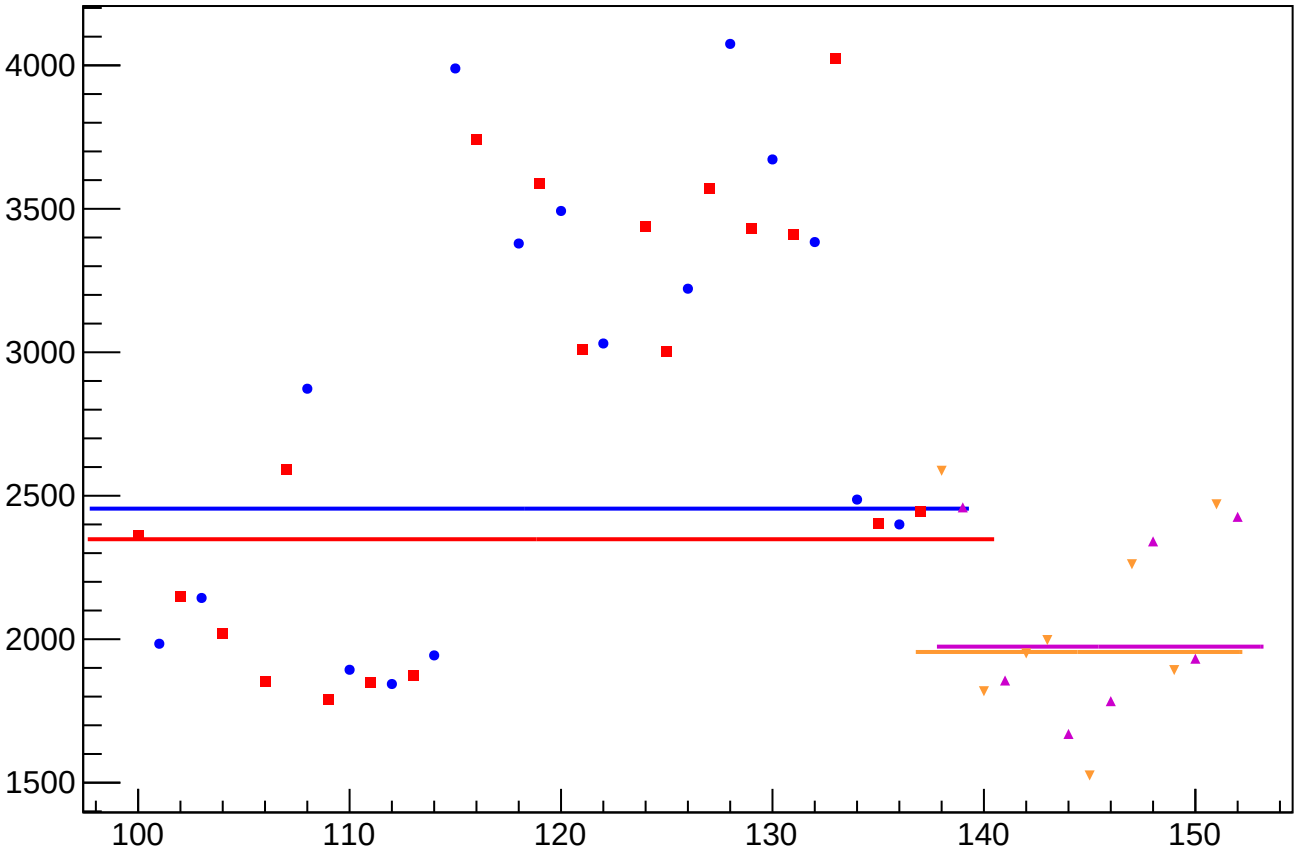
Left: -830.642+/-569.124 χ^2/NDF: 31.4/14

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 502.459+/-615.541 χ^2/NDF:26.7/22

Out: -574.328+/-596.257 χ^2/NDF:46.8/26

All: -53.066+/-428.272 χ^2/NDF: 75.1/49



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: 1974.135+/-0.573 χ^2/NDF:252331.0/6

Left: 1964.723+/-0.402 χ^2/NDF: 585713.6/14

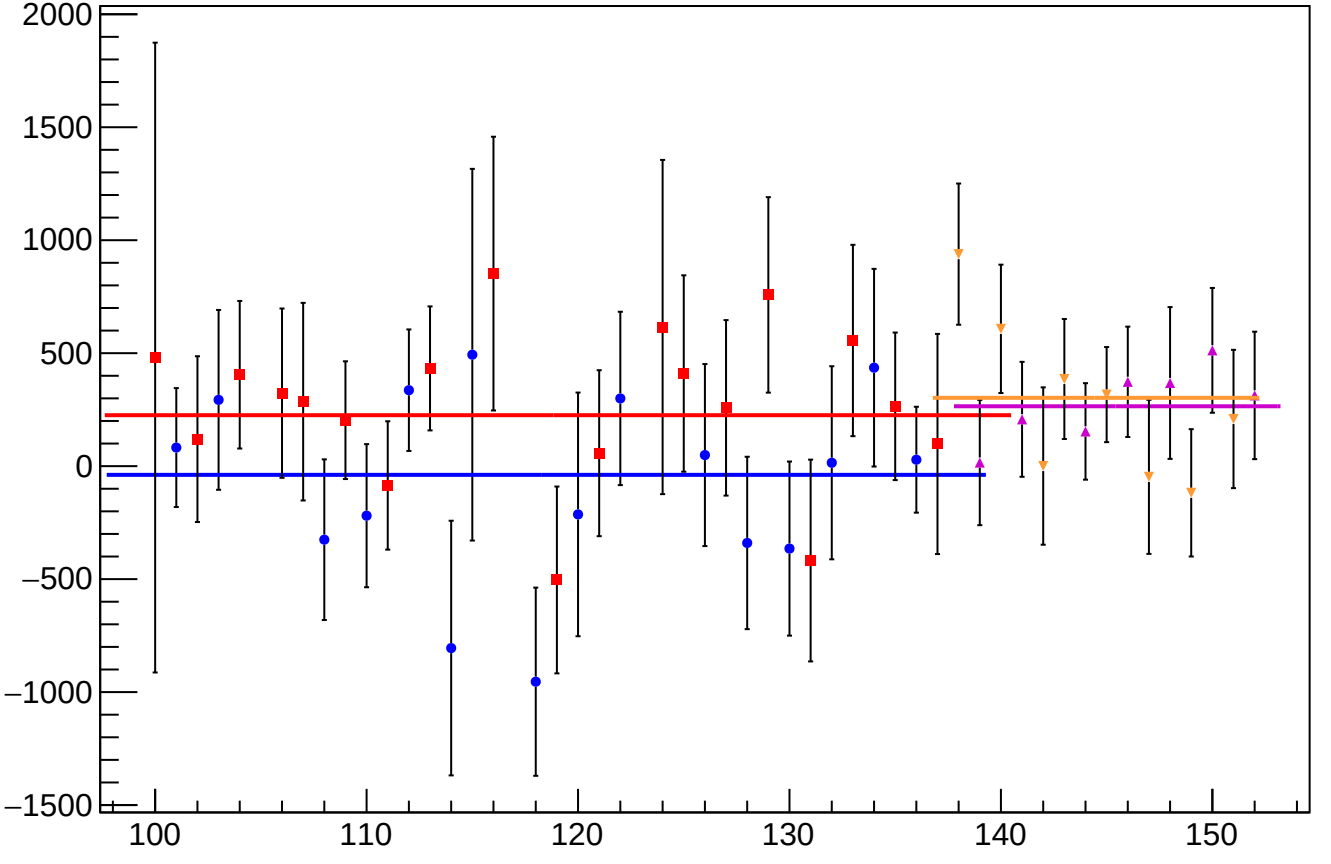
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2177.141+/-0.435 χ^2/NDF:1444579.1/22

Out: 2130.245+/-0.422 χ^2/NDF:1599728.6/26

All: 2152.947+/-0.303 χ^2/NDF: 3050297.0/49

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: 265.013+/-99.145 χ^2/NDF:2.3/6

Left: 283.501+/-70.490 χ^2/NDF: 11.9/14

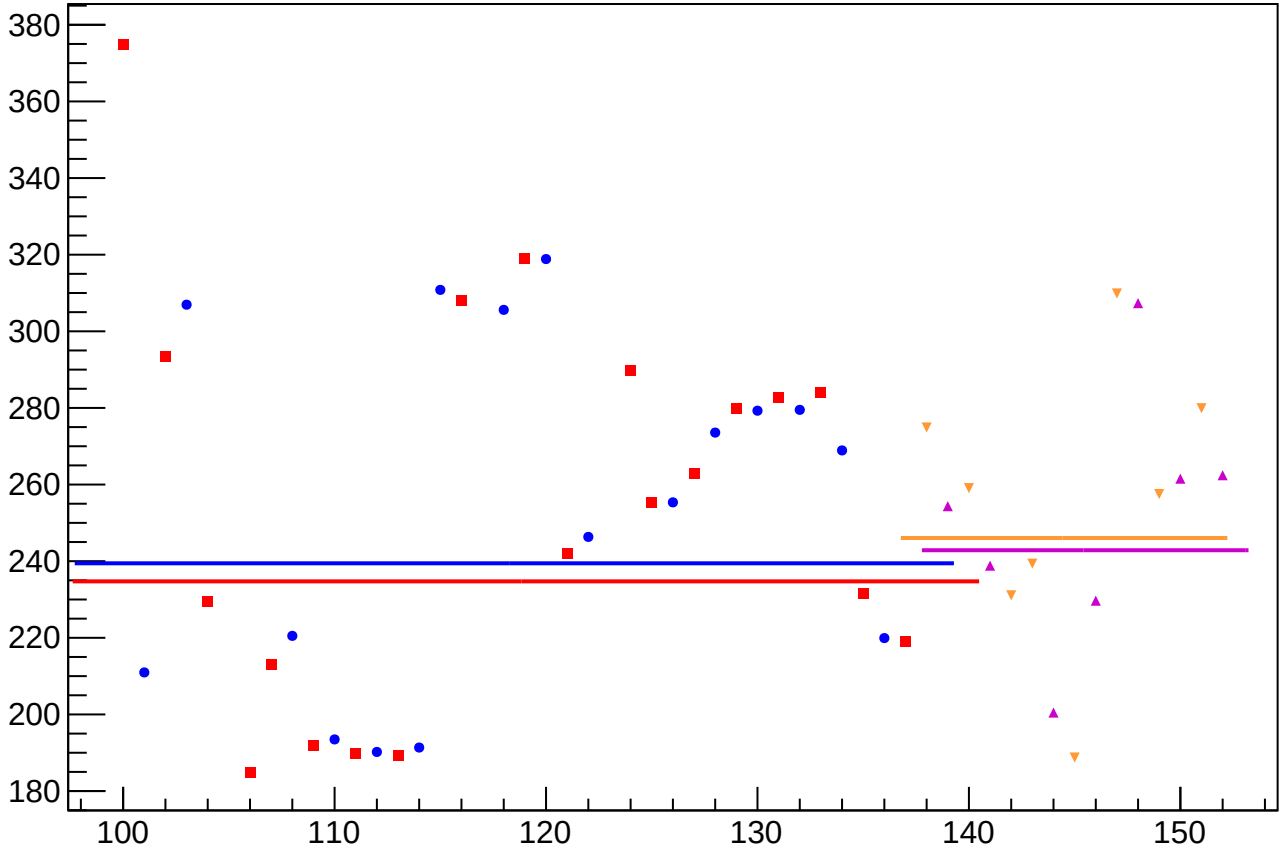
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 99.637+/-66.889 χ^2/NDF:21.8/22

Out: 258.945+/-66.099 χ^2/NDF:21.3/26

All: 180.237+/-47.016 χ^2/NDF: 46.0/49

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: 242.856+/-0.070 χ^2/NDF:181035.7/6

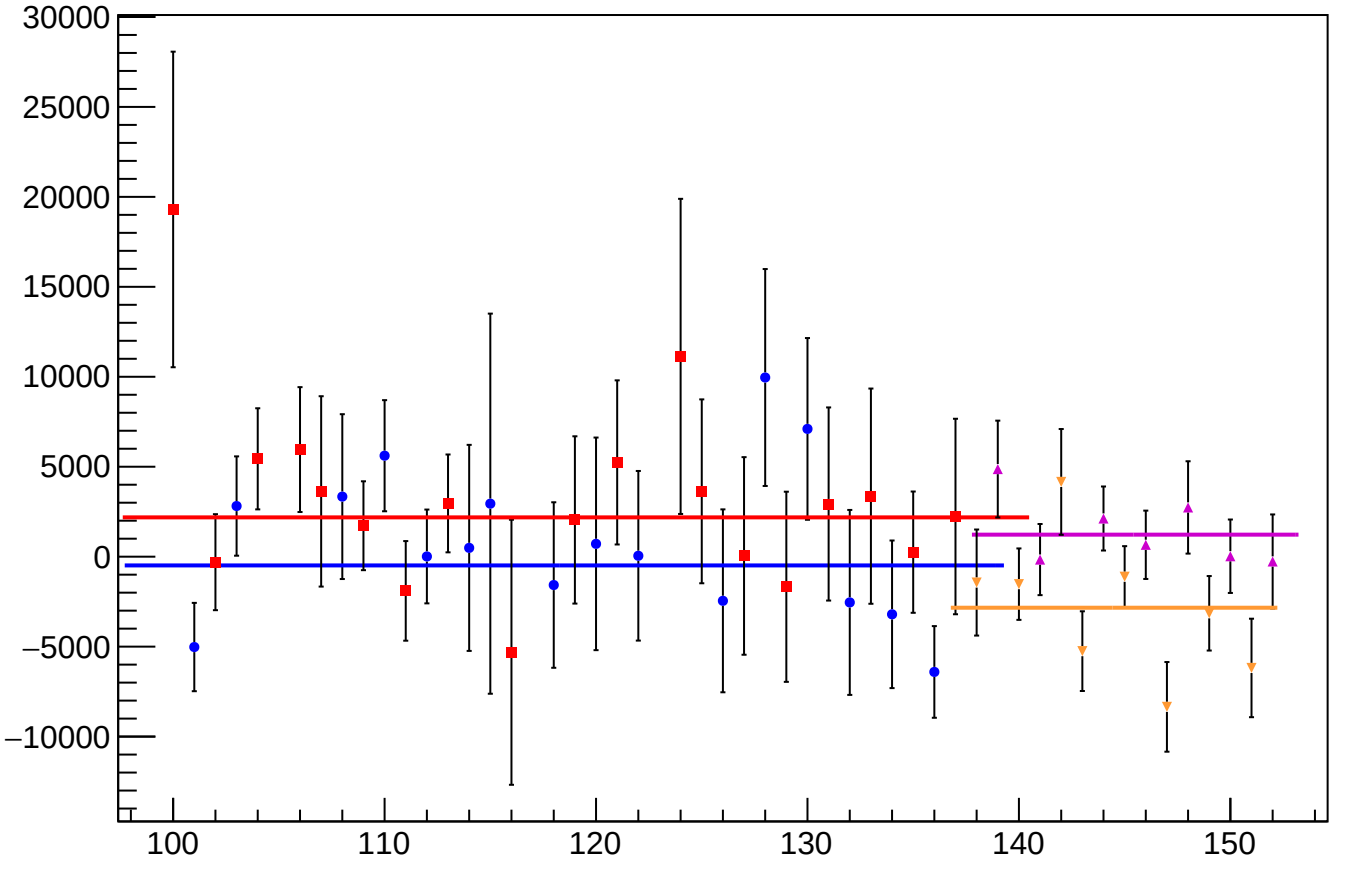
Left: 244.437+/-0.050 χ^2/NDF: 454456.7/14

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 241.000+/-0.047 χ^2/NDF:583280.3/22

Out: 239.656+/-0.047 χ^2/NDF:772049.5/26

All: 240.320+/-0.033 χ^2/NDF: 1355738.4/49



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: 1224.339+/-809.697 χ^2/NDF:3.7/6

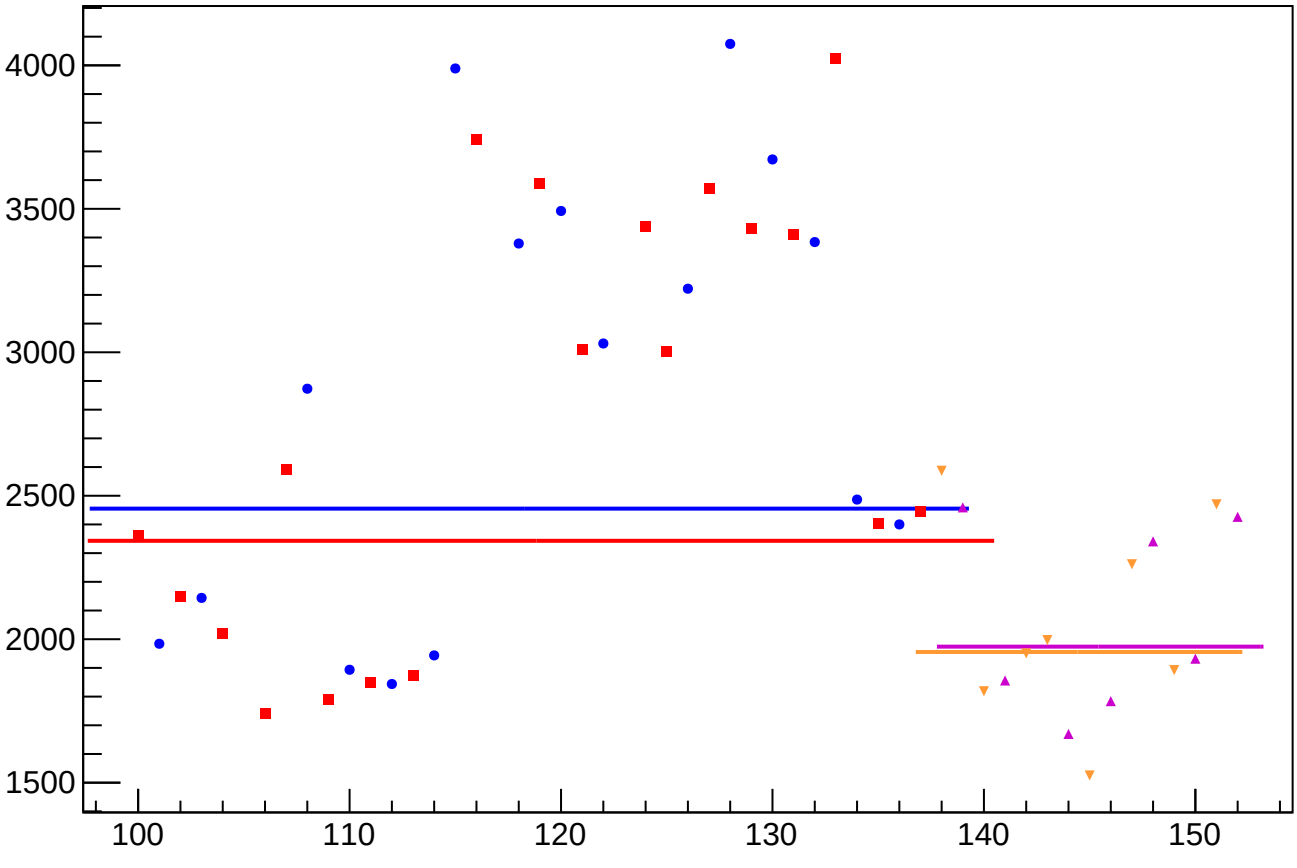
Left: -830.622+/-569.124 χ^2/NDF: 31.4/14

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 502.405+/-615.543 χ^2/NDF:26.7/22

Out: -608.823+/-596.757 χ^2/NDF:45.7/26

All: -70.424+/-428.459 χ^2/NDF: 74.1/49



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: 1974.136+/-0.573 χ^2/NDF:252329.4/6

Left: 1964.724+/-0.402 χ^2/NDF: 585714.7/14

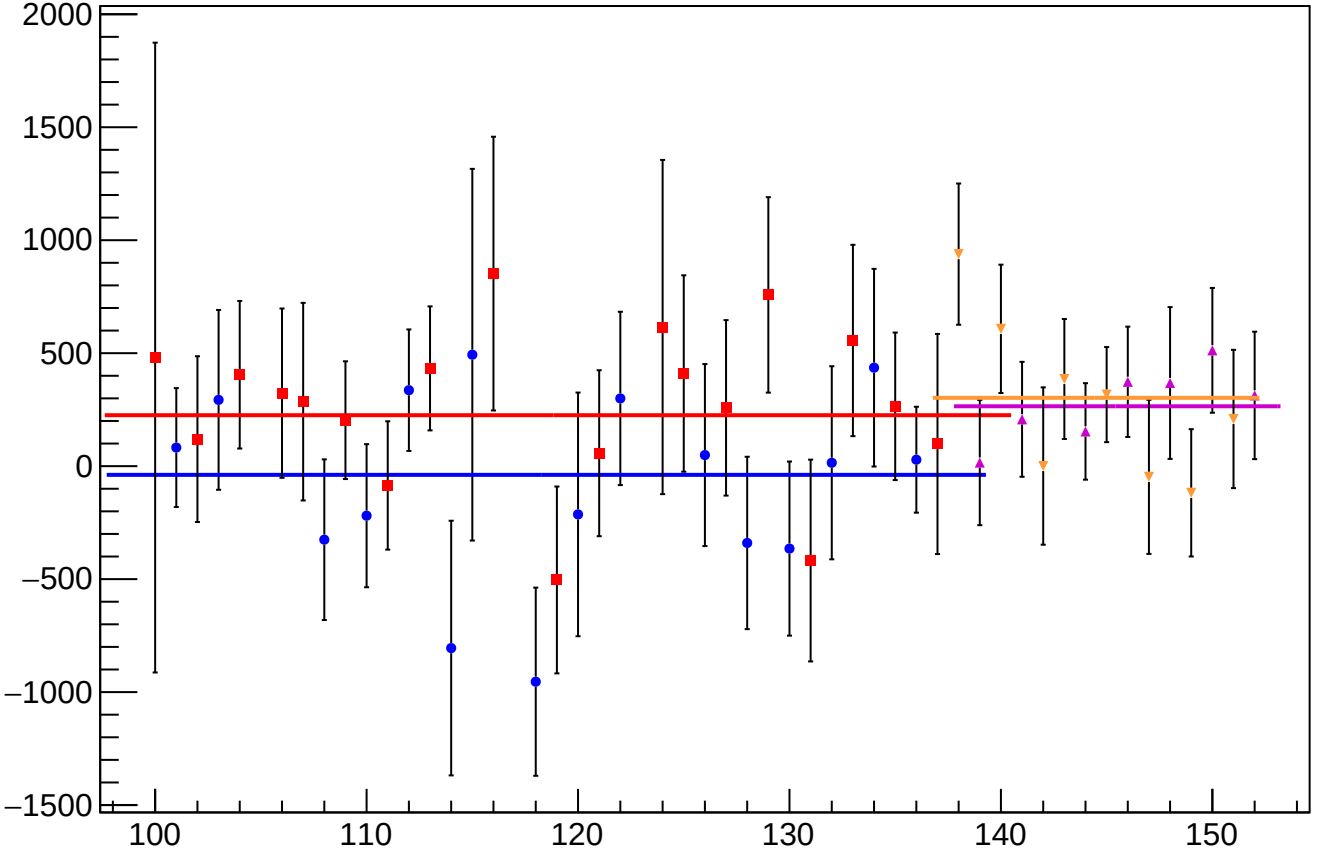
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2177.150+/-0.435 χ^2/NDF:1444572.0/22

Out: 2127.441+/-0.422 χ^2/NDF:1611308.2/26

All: 2151.526+/-0.303 χ^2/NDF: 3062603.9/49

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: 265.013+/-99.145 χ^2/NDF:2.3/6

Left: 283.501+/-70.490 χ^2/NDF: 11.9/14

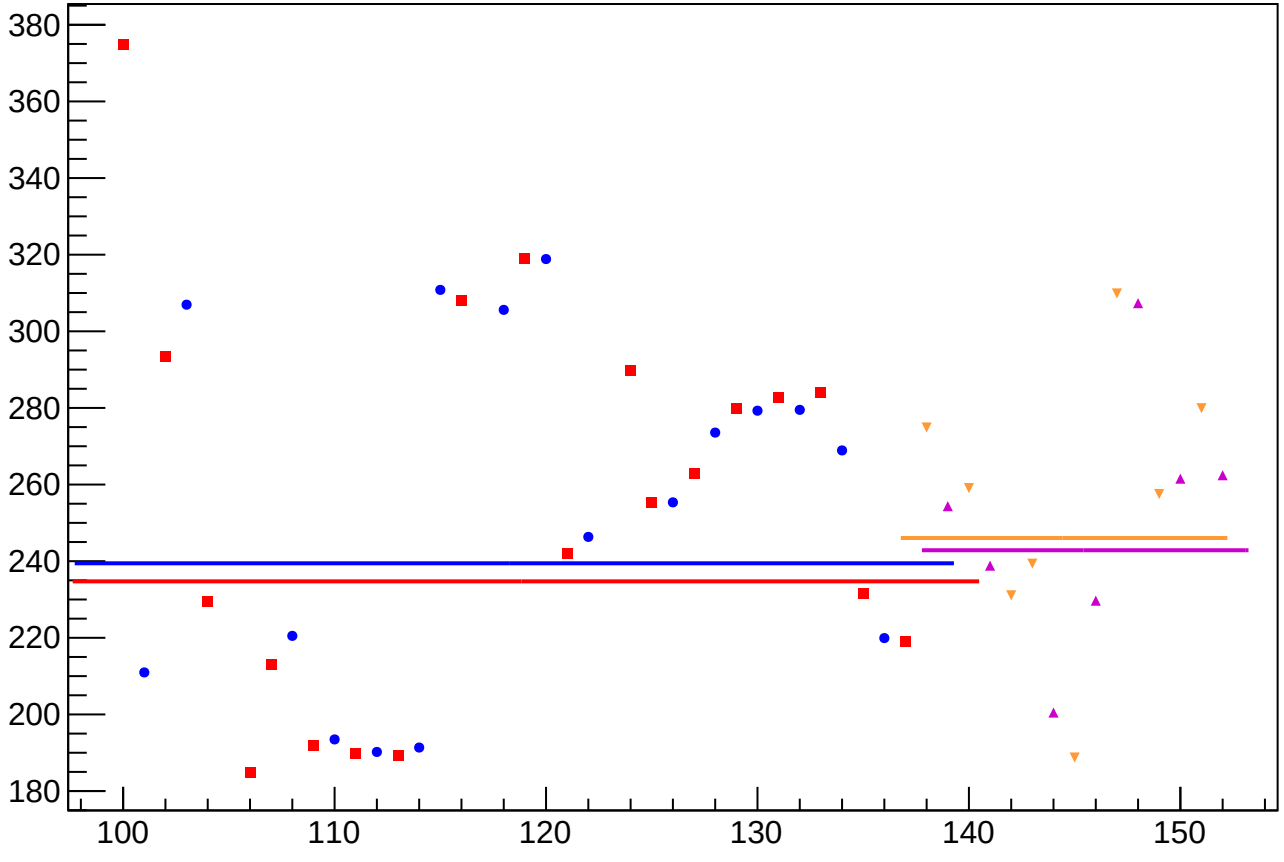
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 99.637+/-66.889 χ^2/NDF:21.8/22

Out: 258.945+/-66.099 χ^2/NDF:21.3/26

All: 180.237+/-47.016 χ^2/NDF: 46.0/49

eigen_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: 242.856+/-0.070 χ^2/NDF:181035.7/6

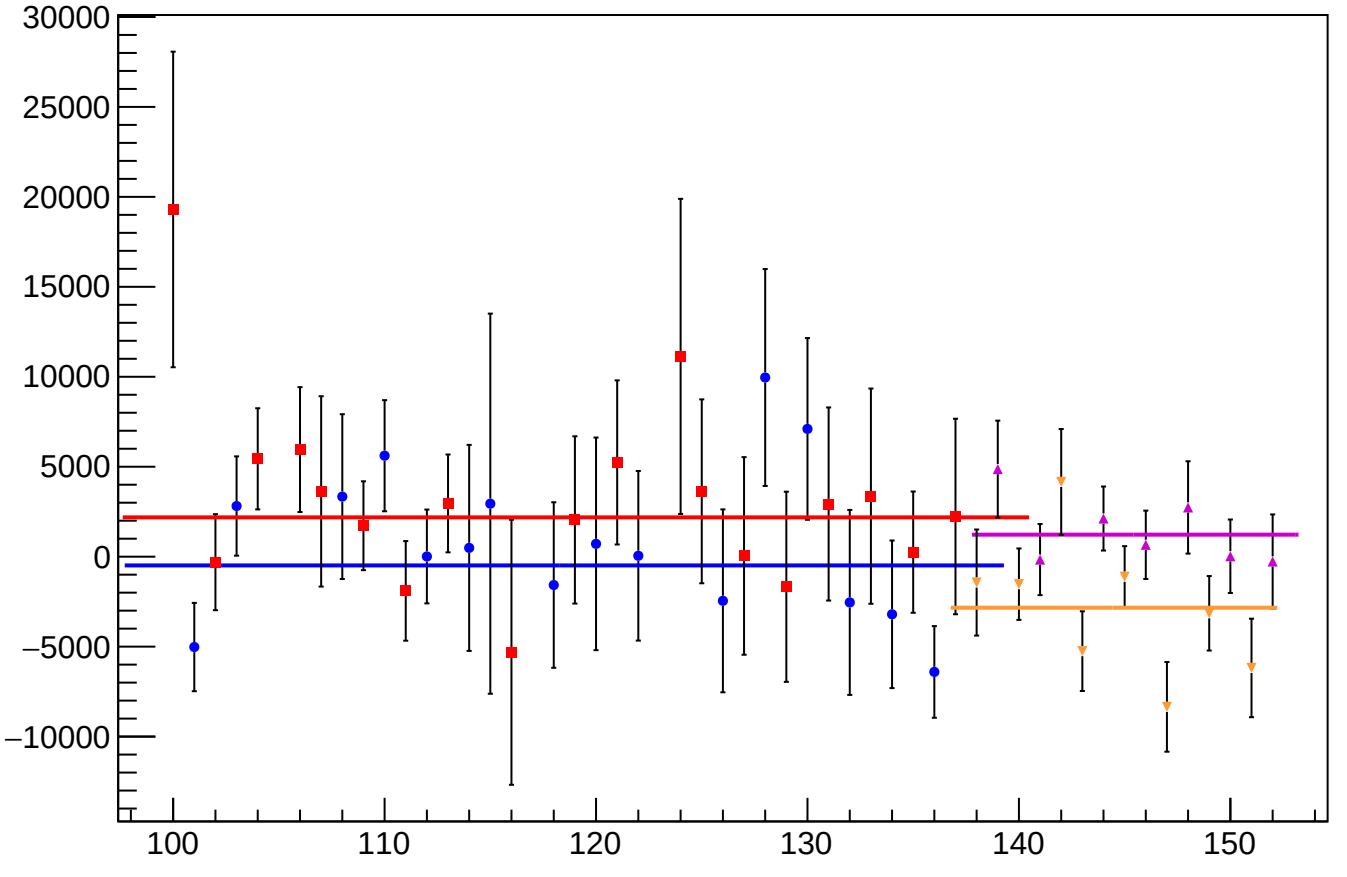
Left: 244.437+/-0.050 χ^2/NDF: 454456.7/14

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 241.000+/-0.047 χ^2/NDF:583280.3/22

Out: 239.656+/-0.047 χ^2/NDF:772049.5/26

All: 240.320+/-0.033 χ^2/NDF: 1355738.4/49



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: 1224.339+/-809.697 χ^2/NDF:3.7/6

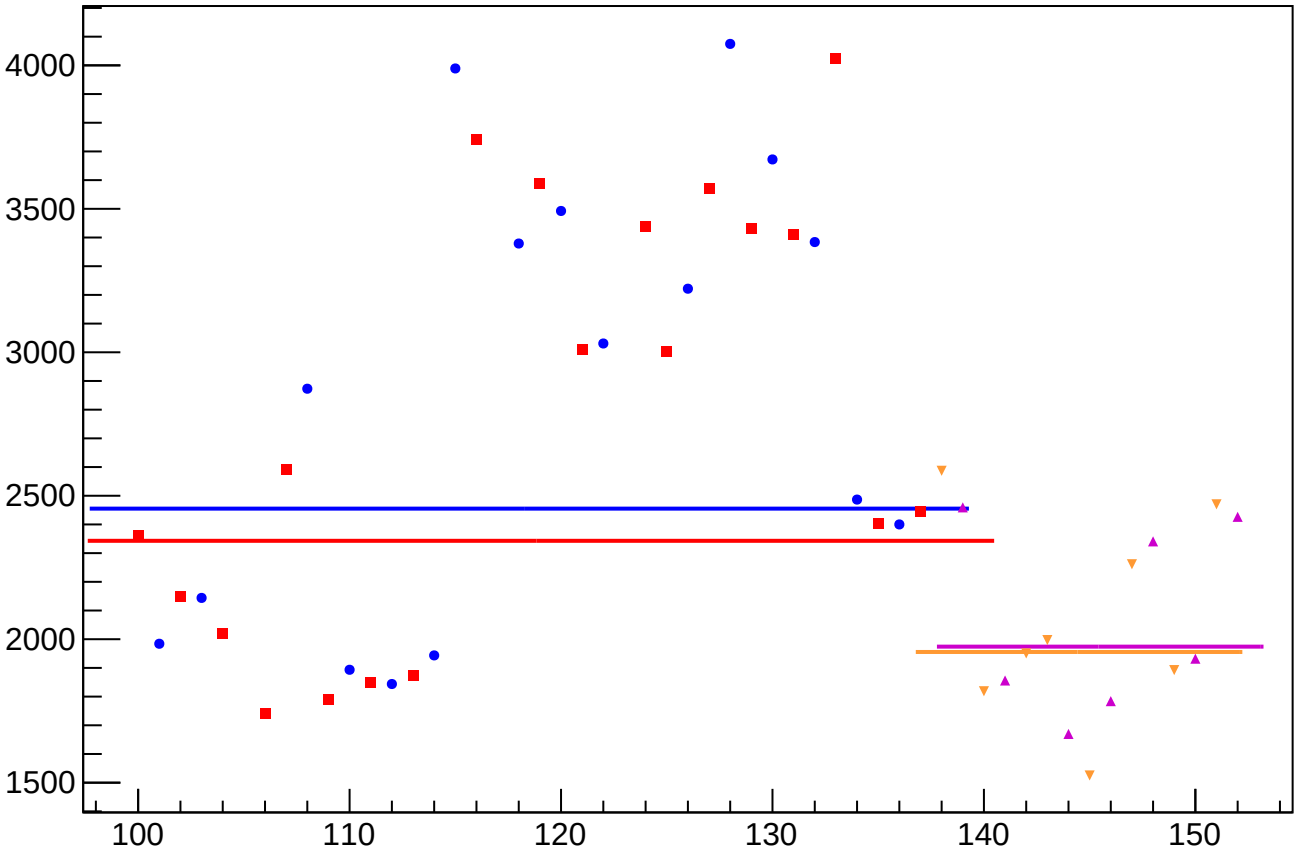
Left: -830.622+/-569.124 χ^2/NDF: 31.4/14

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 502.405+/-615.543 χ^2/NDF:26.7/22

Out: -608.823+/-596.757 χ^2/NDF:45.7/26

All: -70.424+/-428.459 χ^2/NDF: 74.1/49



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: 1974.136+/-0.573 χ^2/NDF:252329.4/6

Left: 1964.724+/-0.402 χ^2/NDF: 585714.7/14

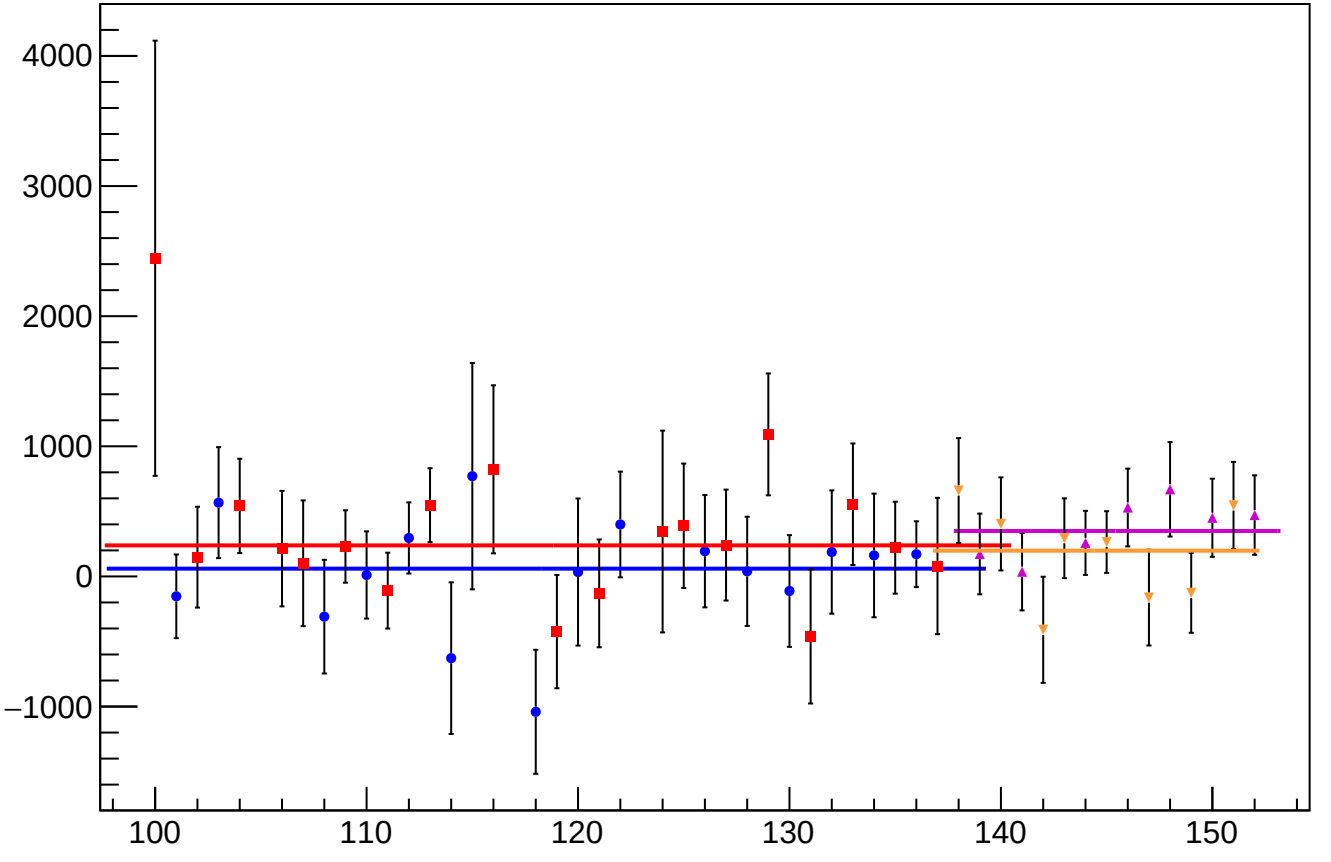
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2177.150+/-0.435 χ^2/NDF:1444572.0/22

Out: 2127.441+/-0.422 χ^2/NDF:1611308.2/26

All: 2151.526+/-0.303 χ^2/NDF: 3062603.9/49

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: 349.298+/-112.624 χ^2/NDF:3.0/6

Left: 275.335+/-80.522 χ^2/NDF: 11.1/14

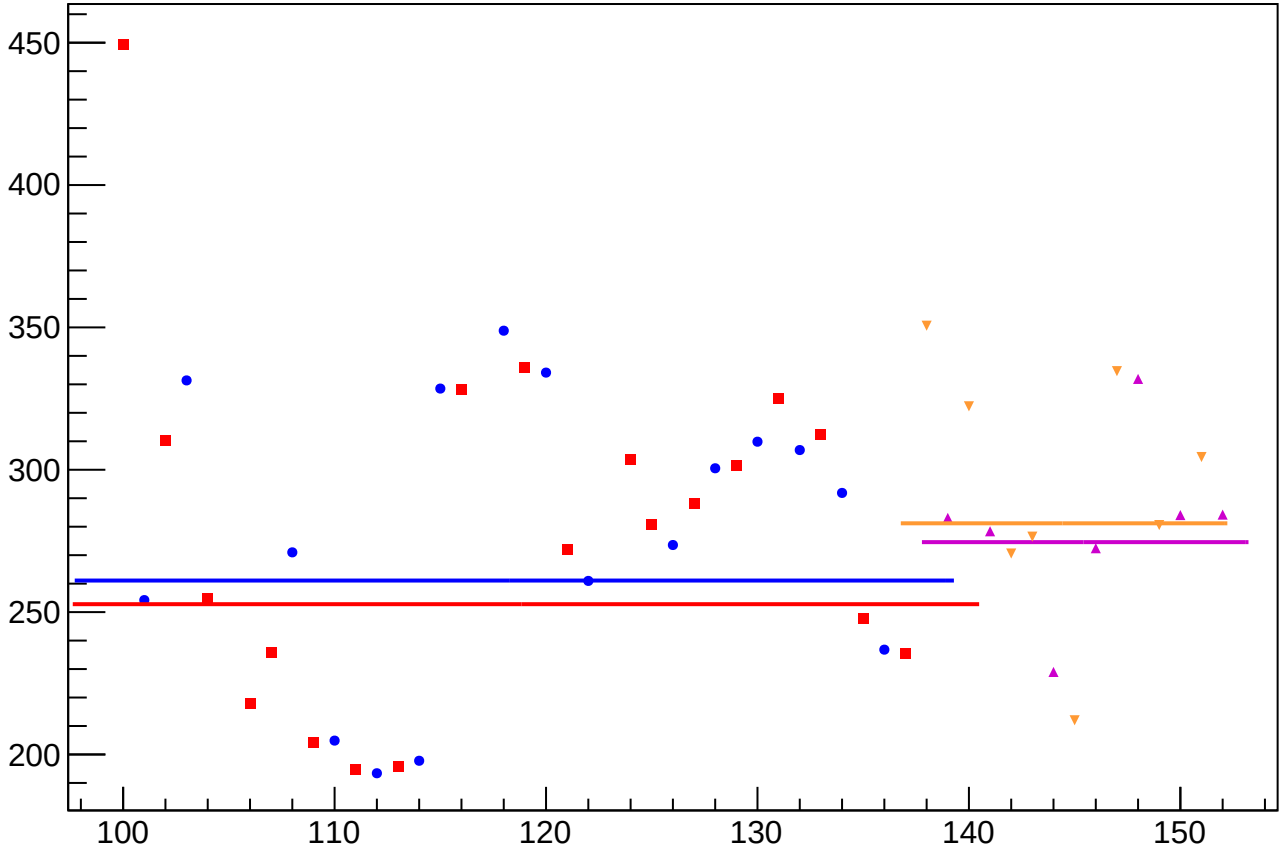
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 186.278+/-74.453 χ^2/NDF:18.7/22

Out: 222.094+/-73.314 χ^2/NDF:22.2/26

All: 204.462+/-52.239 χ^2/NDF: 41.0/49

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: 274.578+/-0.080 χ^2/NDF:124527.3/6

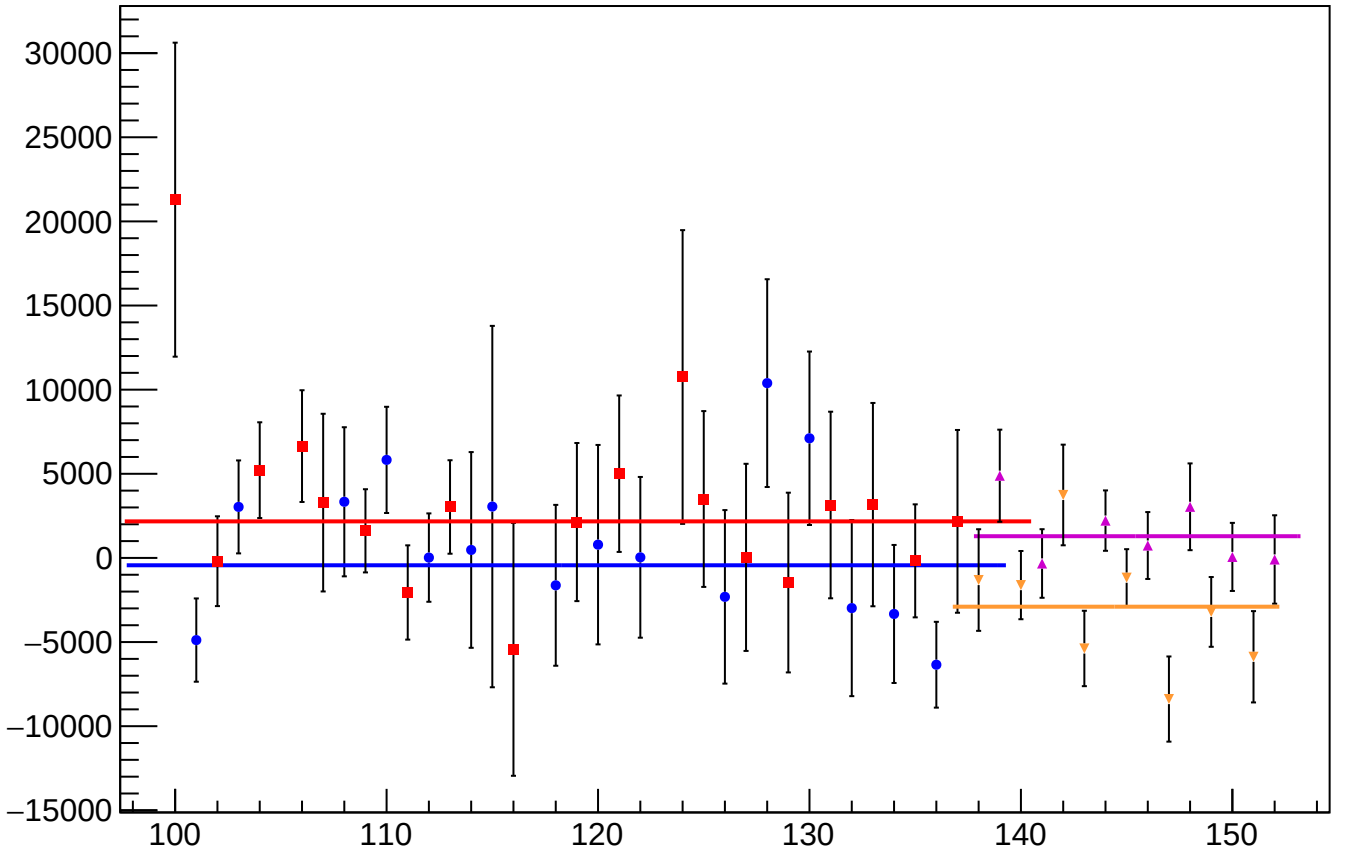
Left: 277.810+/-0.057 χ^2/NDF: 437896.4/14

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 266.984+/-0.053 χ^2/NDF:603341.4/22

Out: 264.296+/-0.052 χ^2/NDF:919638.3/26

All: 265.620+/-0.037 χ^2/NDF: 1524302.8/49



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: 1290.318+/-822.737 χ^2/NDF:3.8/6

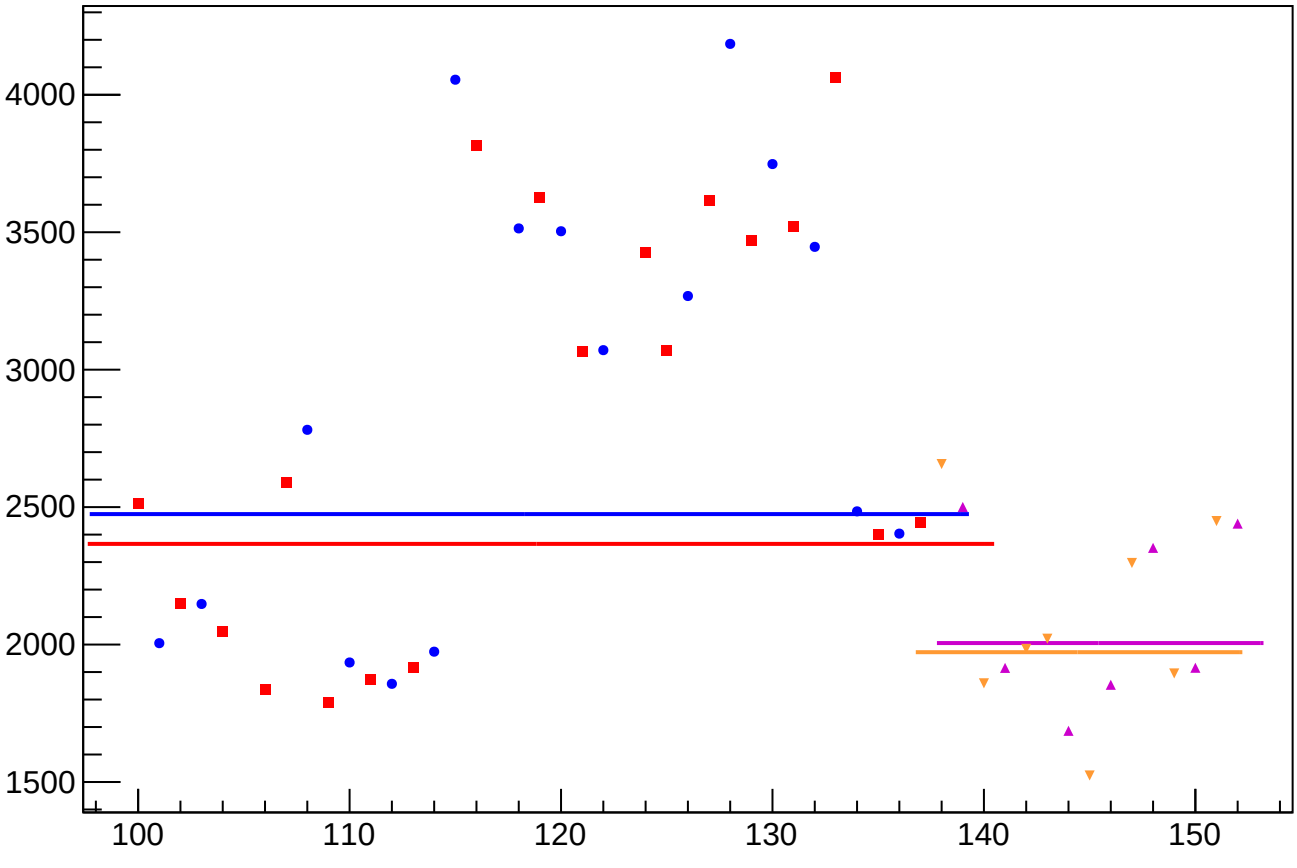
Left: -845.251+/-576.010 χ^2/NDF: 30.8/14

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 554.695+/-623.360 χ^2/NDF:26.9/22

Out: -642.567+/-601.038 χ^2/NDF:45.4/26

All: -65.757+/-432.674 χ^2/NDF: 74.2/49



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: 2005.472+/-0.582 χ^2/NDF:239073.5/6

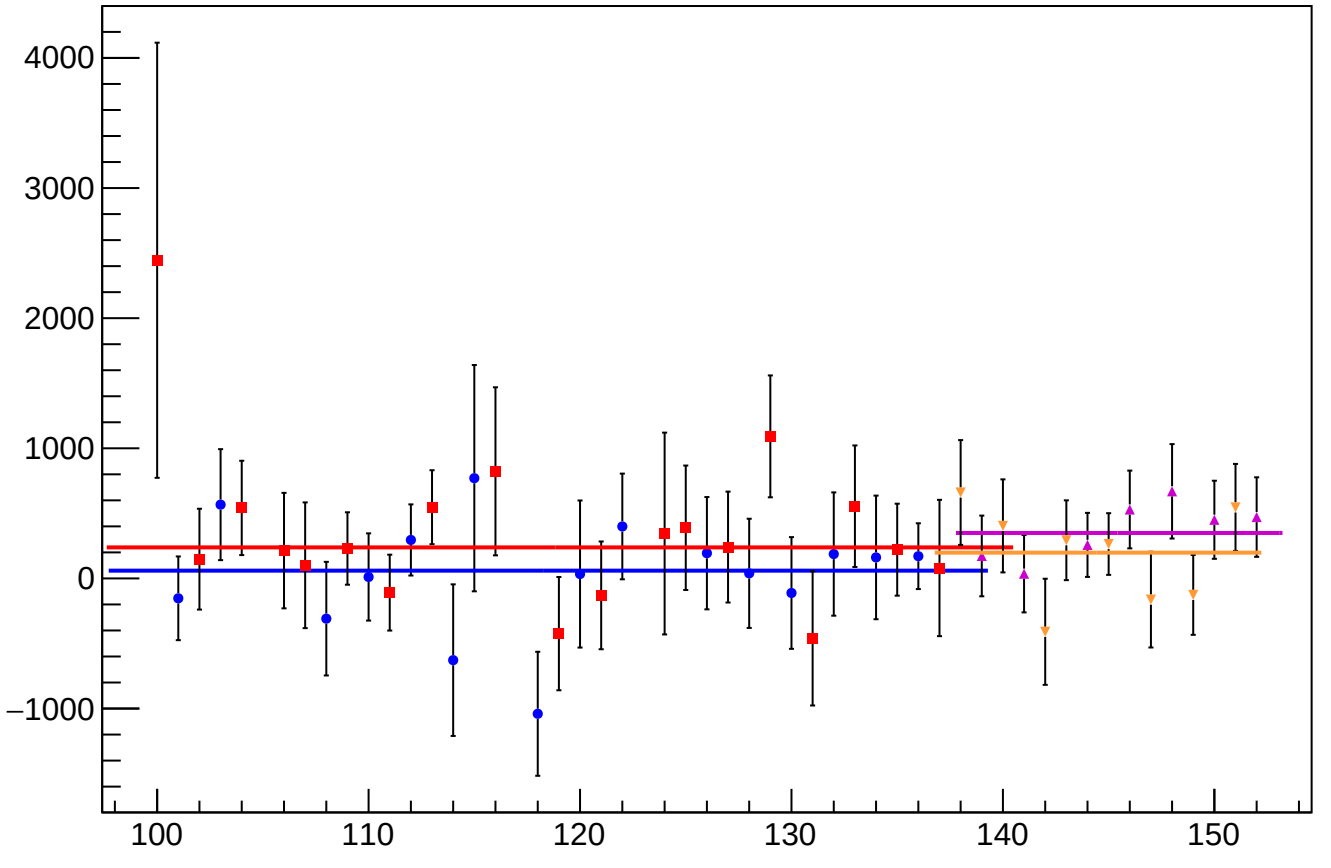
Left: 1988.539+/-0.407 χ^2/NDF: 588222.4/14

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2205.302+/-0.441 χ^2/NDF:1432325.1/22

Out: 2147.531+/-0.425 χ^2/NDF:1636872.1/26

All: 2175.364+/-0.306 χ^2/NDF: 3078099.4/49



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: 349.301+/-112.624 χ^2/NDF:3.0/6

Left: 275.337+/-80.522 χ^2/NDF: 11.1/14

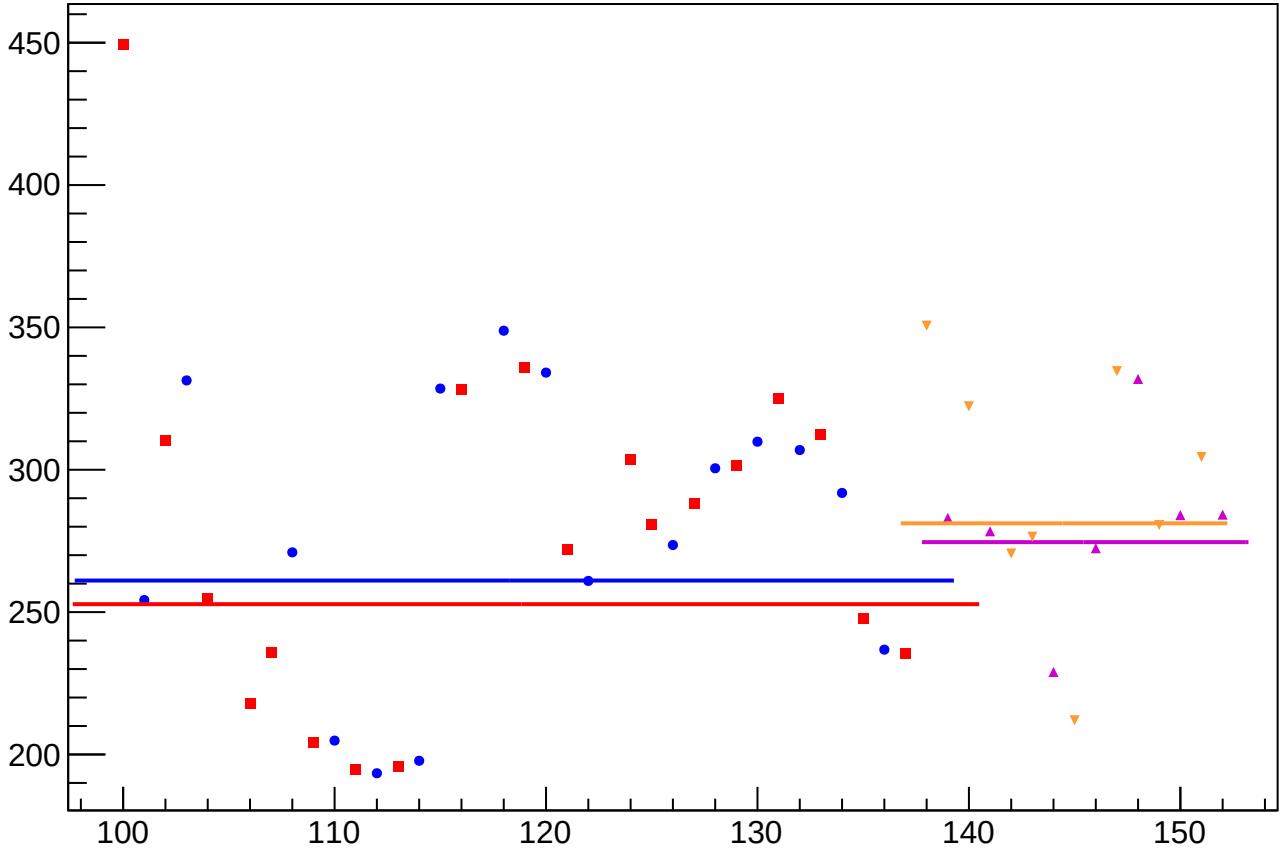
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 186.283+/-74.453 χ^2/NDF:18.7/22

Out: 222.093+/-73.314 χ^2/NDF:22.2/26

All: 204.464+/-52.239 χ^2/NDF: 41.0/49

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: 274.578+/-0.080 χ^2/NDF:124525.3/6

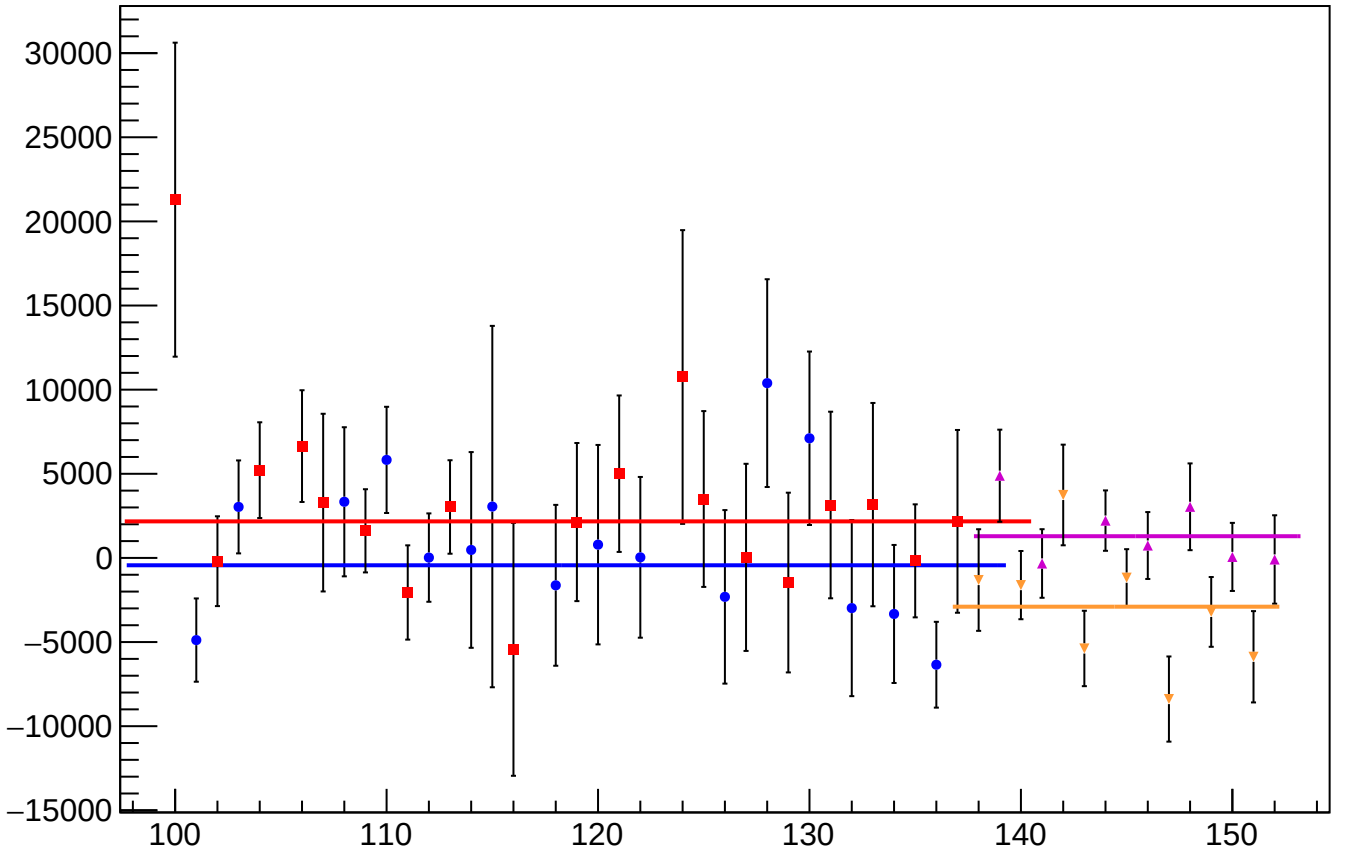
Left: 277.810+/-0.057 χ^2/NDF: 437889.5/14

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 266.984+/-0.053 χ^2/NDF:603343.4/22

Out: 264.297+/-0.052 χ^2/NDF:919638.9/26

All: 265.620+/-0.037 χ^2/NDF: 1524305.4/49



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: 1290.318+/-822.737 χ^2/NDF:3.8/6

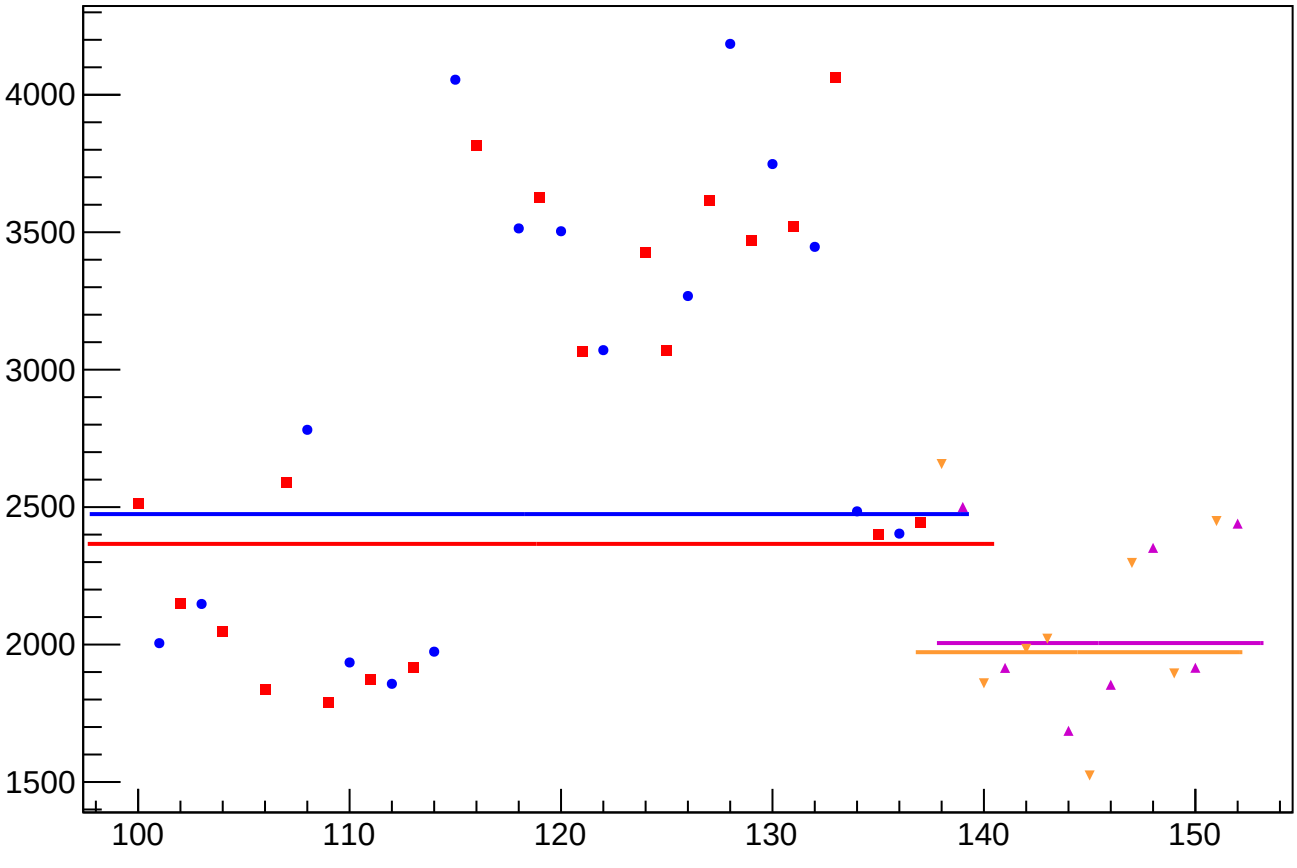
Left: -845.250+/-576.010 χ^2/NDF: 30.8/14

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 554.696+/-623.360 χ^2/NDF:26.9/22

Out: -642.567+/-601.037 χ^2/NDF:45.4/26

All: -65.757+/-432.674 χ^2/NDF: 74.2/49



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: 2005.471+/-0.582 χ^2/NDF:239072.6/6

Left: 1988.538+/-0.407 χ^2/NDF: 588224.6/14

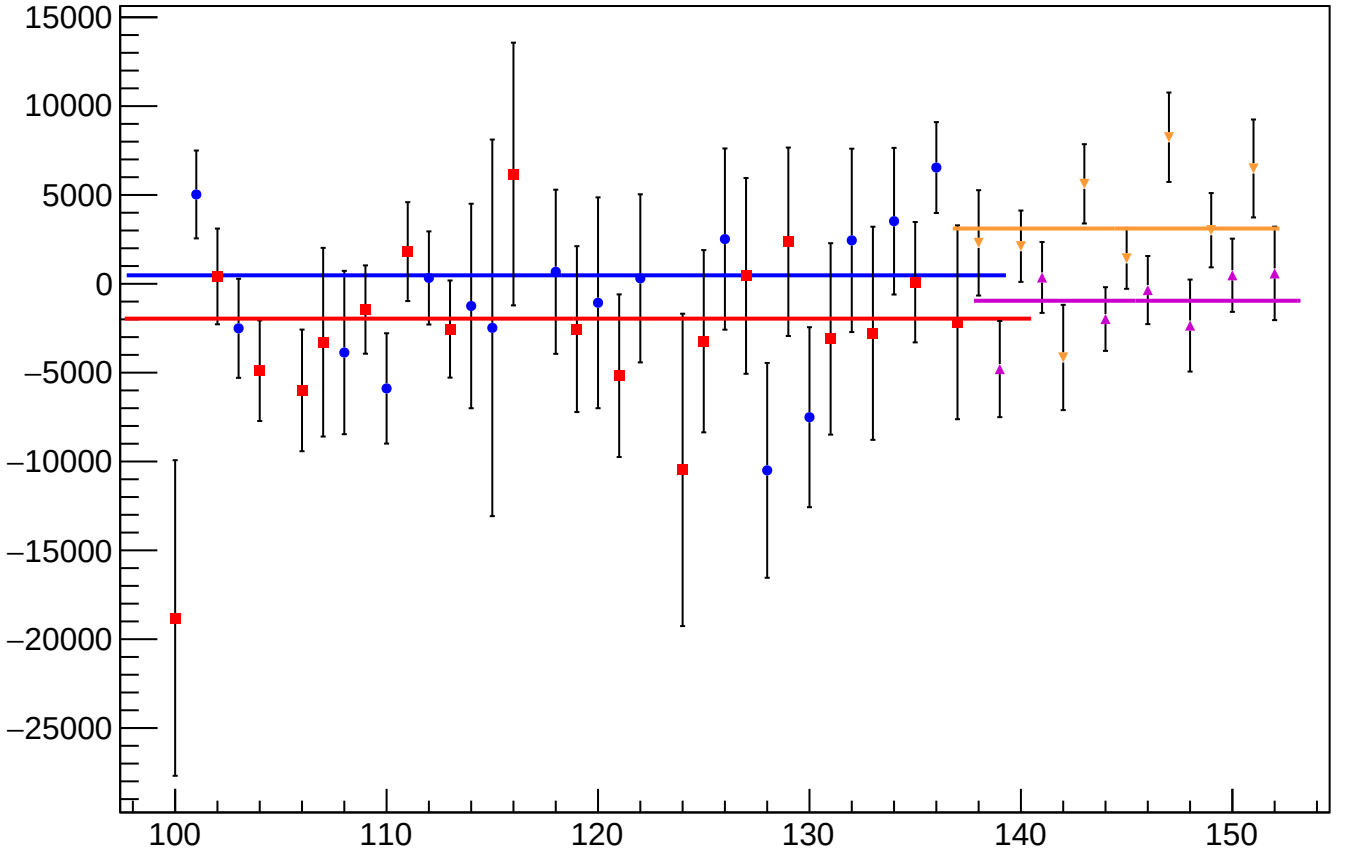
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2205.301+/-0.441 χ^2/NDF:1432326.6/22

Out: 2147.529+/-0.425 χ^2/NDF:1636878.3/26

All: 2175.362+/-0.306 χ^2/NDF: 3078107.5/49

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: -953.201+/-816.056 χ^2/NDF:4.0/6

Left: 1102.870+/-573.705 χ^2/NDF: 30.8/14

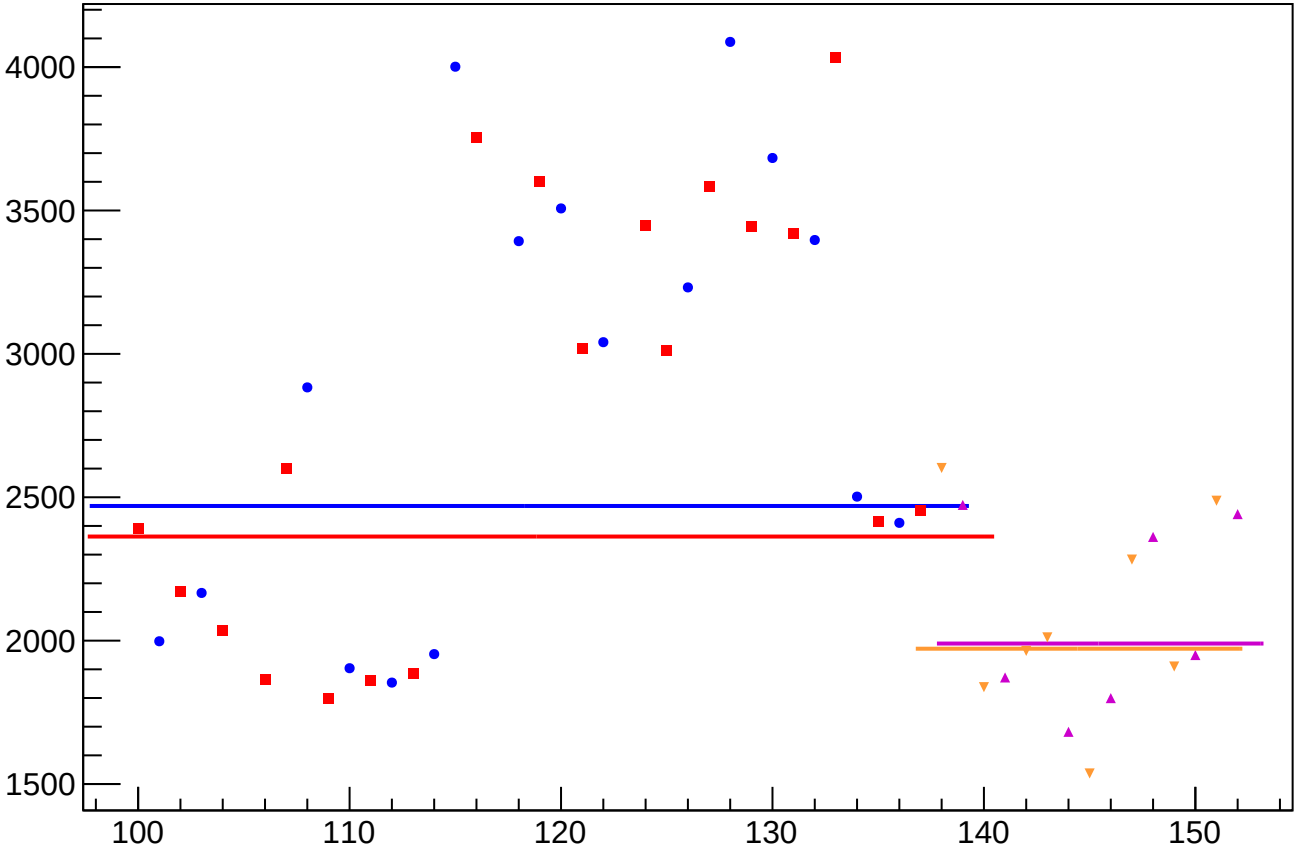
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -347.852+/-619.785 χ^2/NDF:27.4/22

Out: 851.875+/-600.623 χ^2/NDF:44.7/26

All: 270.844+/-431.320 χ^2/NDF: 74.0/49

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: 1989.913+/-0.577 χ^2/NDF:250548.9/6

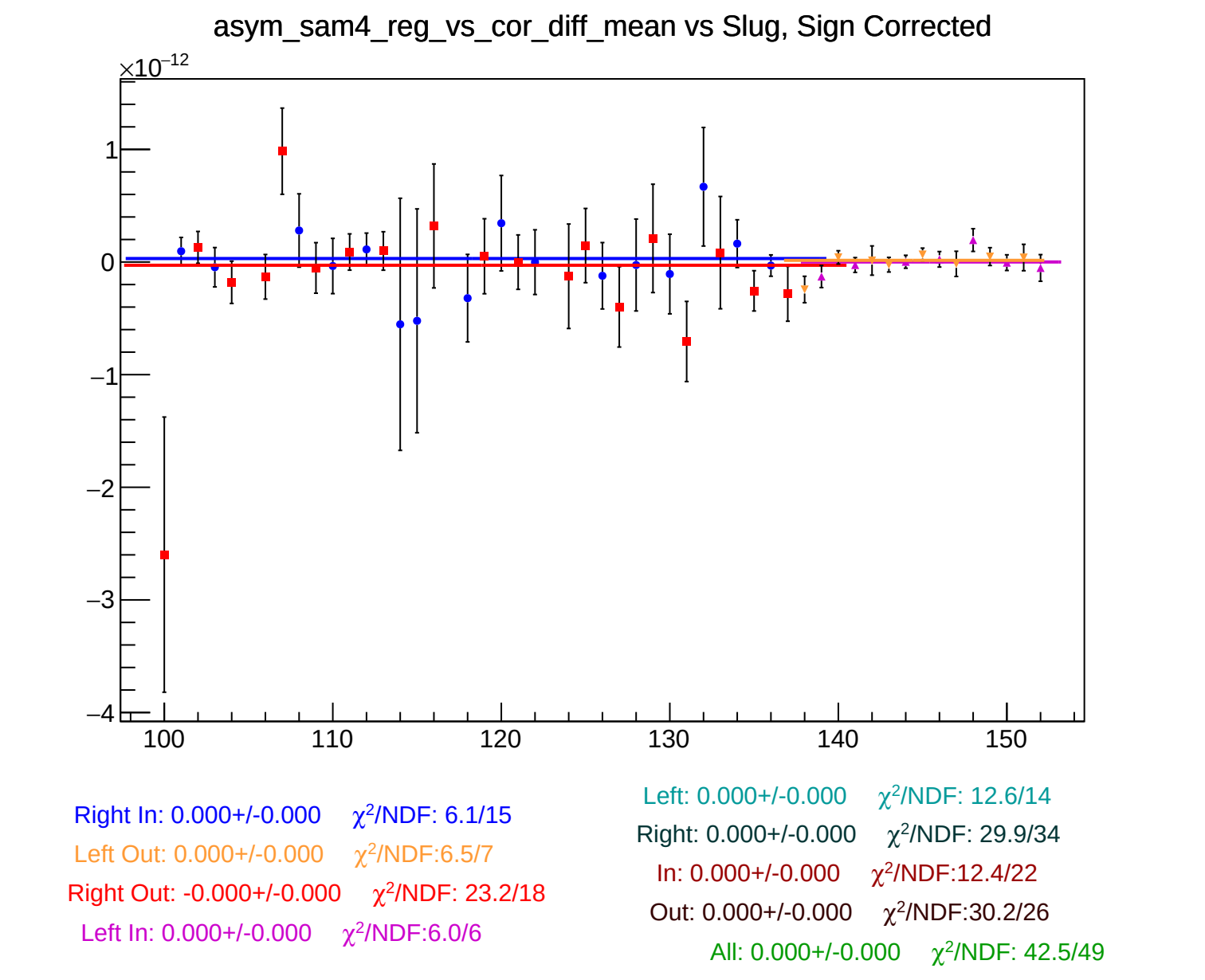
Left: 1980.804+/-0.406 χ^2/NDF: 582394.5/14

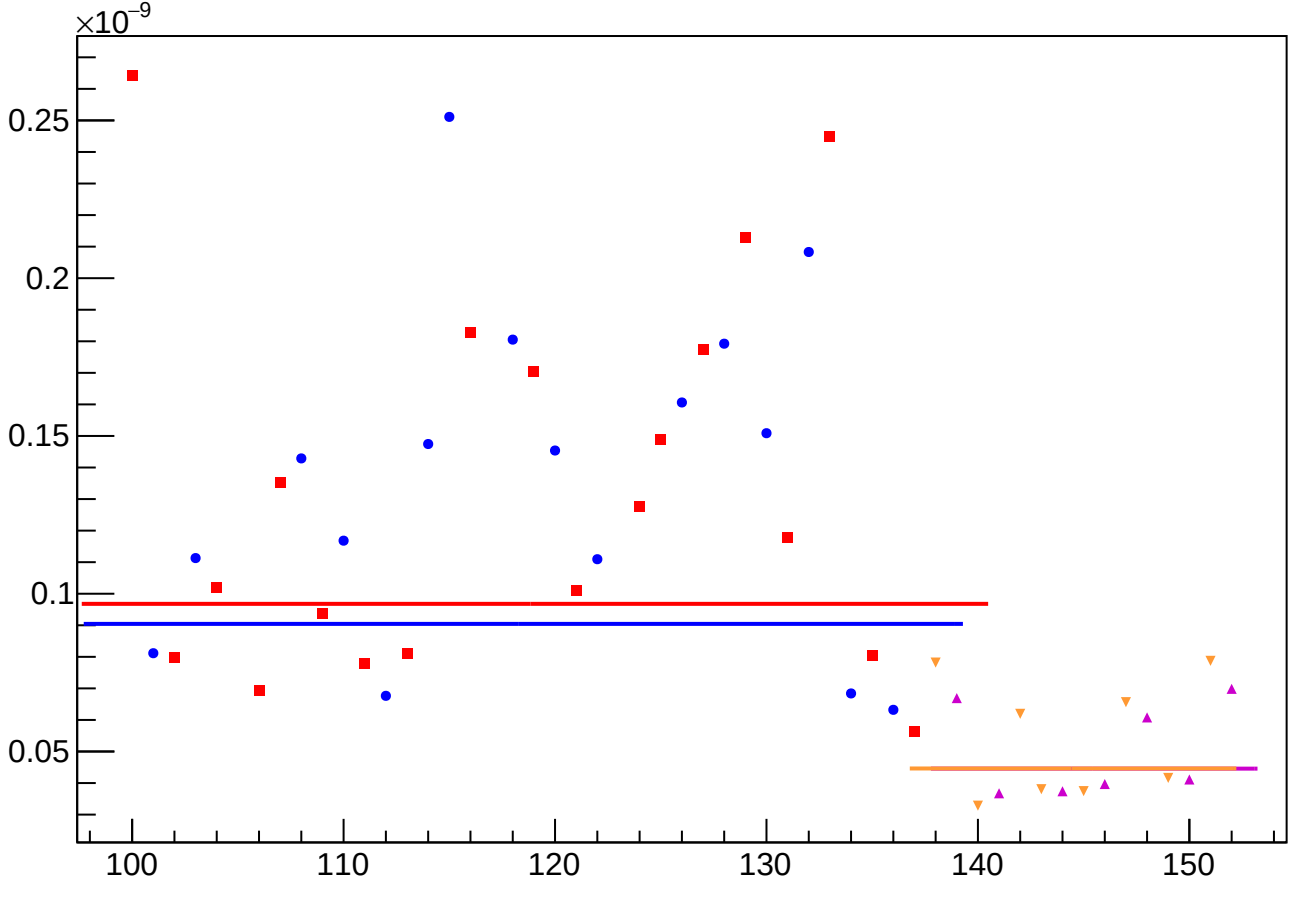
Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2192.922+/-0.438 χ^2/NDF:1429209.7/22

Out: 2146.224+/-0.425 χ^2/NDF:1584248.9/26

All: 2168.840+/-0.305 χ^2/NDF: 3019313.8/49


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:6.0/6
Left: 0.000+/-0.000 χ²/NDF: 12.6/14
Right: 0.000+/-0.000 χ²/NDF: 29.9/34
In: 0.000+/-0.000 χ²/NDF:12.4/22
Out: 0.000+/-0.000 χ²/NDF:30.2/26
All: 0.000+/-0.000 χ²/NDF: 42.5/49



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:321455.2/6

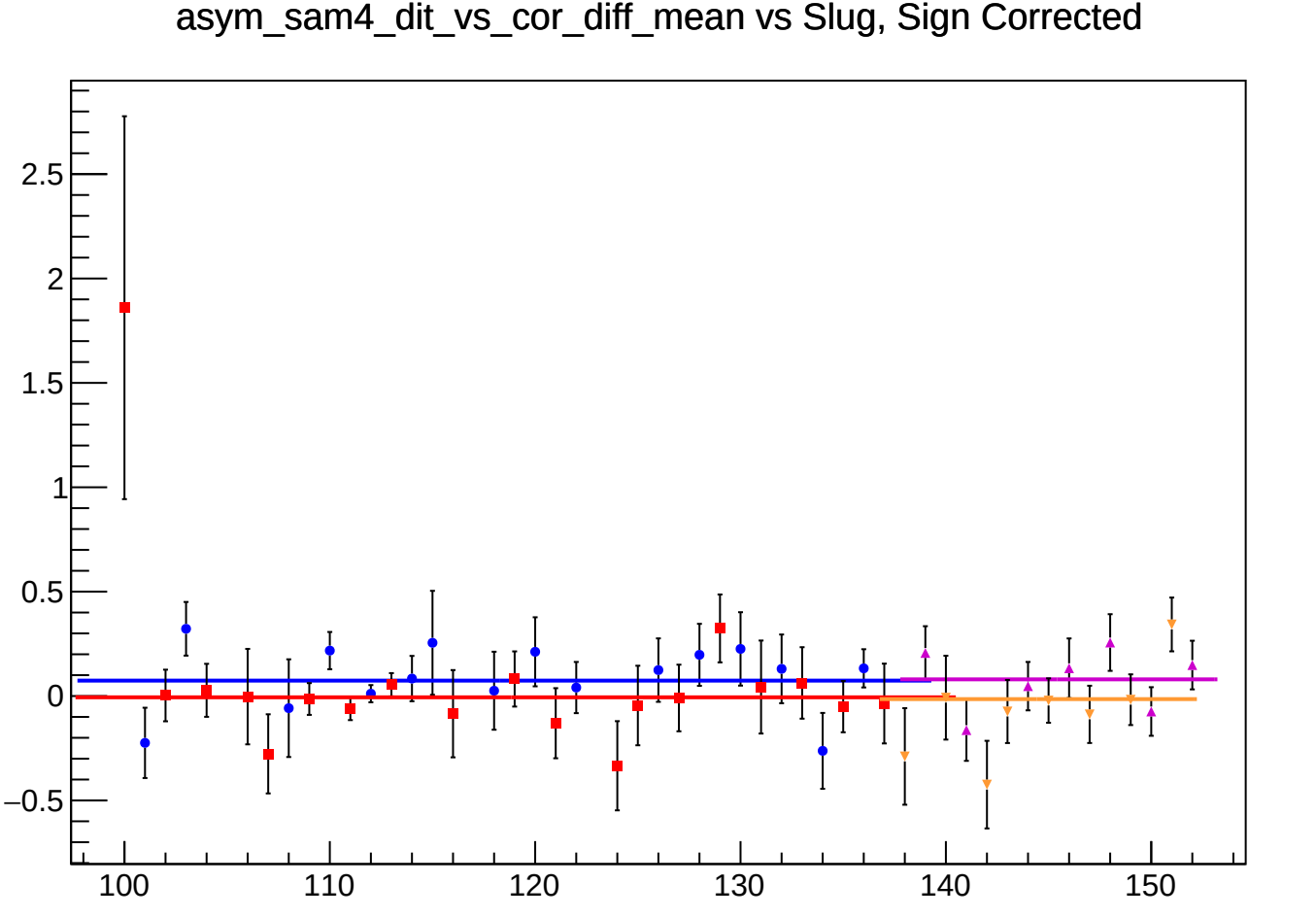
Left: 0.000+/-0.000 χ^2/NDF: 895418.2/14

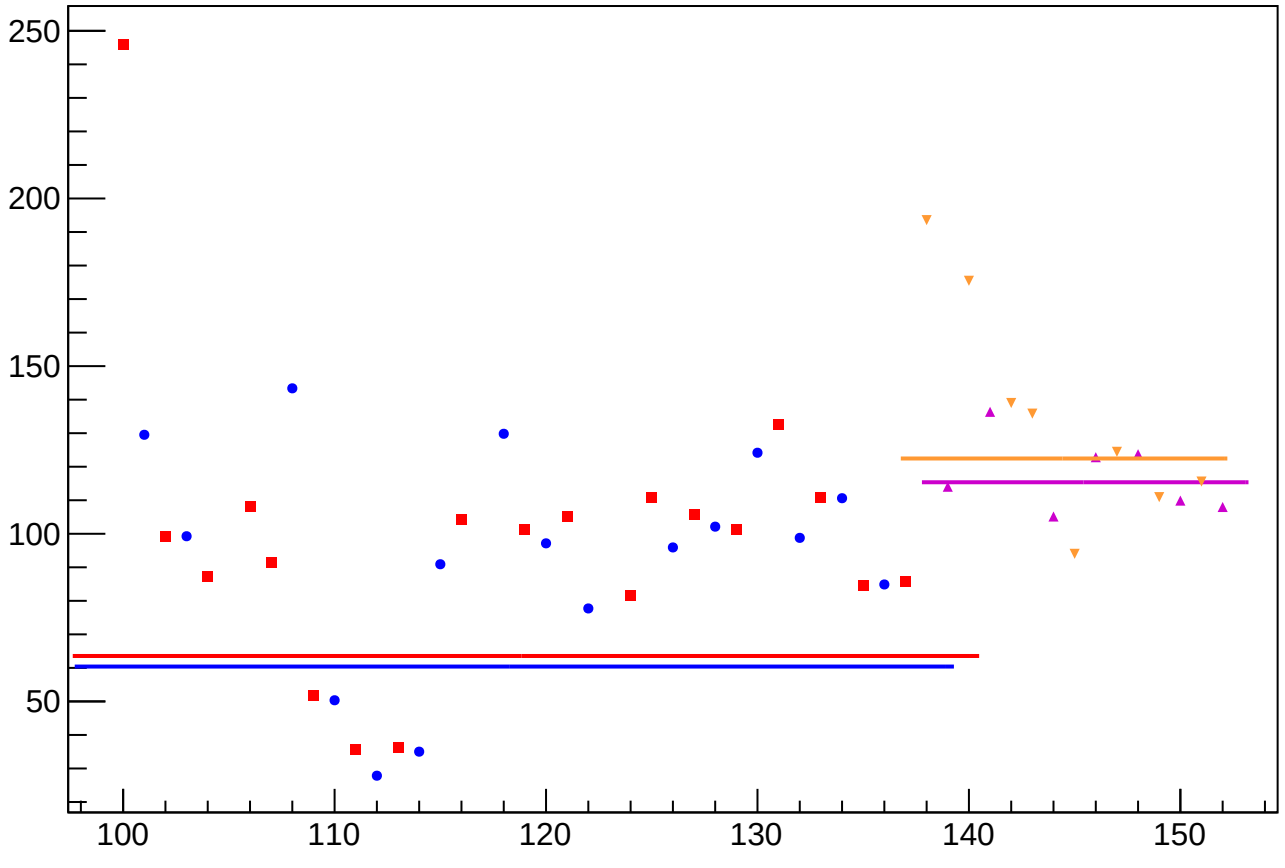
Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2424026.7/22

Out: 0.000+/-0.000 χ^2/NDF:2816816.4/26

All: 0.000+/-0.000 χ^2/NDF: 5240847.5/49


asym_sam4_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
100
110
120
130
140
150
Right In: 0.074+/-0.027 χ²/NDF: 19.0/15
Left Out: -0.015+/-0.051 χ²/NDF:13.4/7
Right Out: -0.006+/-0.027 χ²/NDF: 16.4/18
Left In: 0.080+/-0.048 χ²/NDF:7.7/6
Left: 0.036+/-0.035 χ²/NDF: 22.9/14
Right: 0.034+/-0.019 χ²/NDF: 39.8/34
In: 0.075+/-0.024 χ²/NDF:26.7/22
Out: -0.008+/-0.024 χ²/NDF:29.8/26
All: 0.034+/-0.017 χ²/NDF: 62.7/49



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: 115.366+/-0.034 χ^2/NDF:81873.4/6

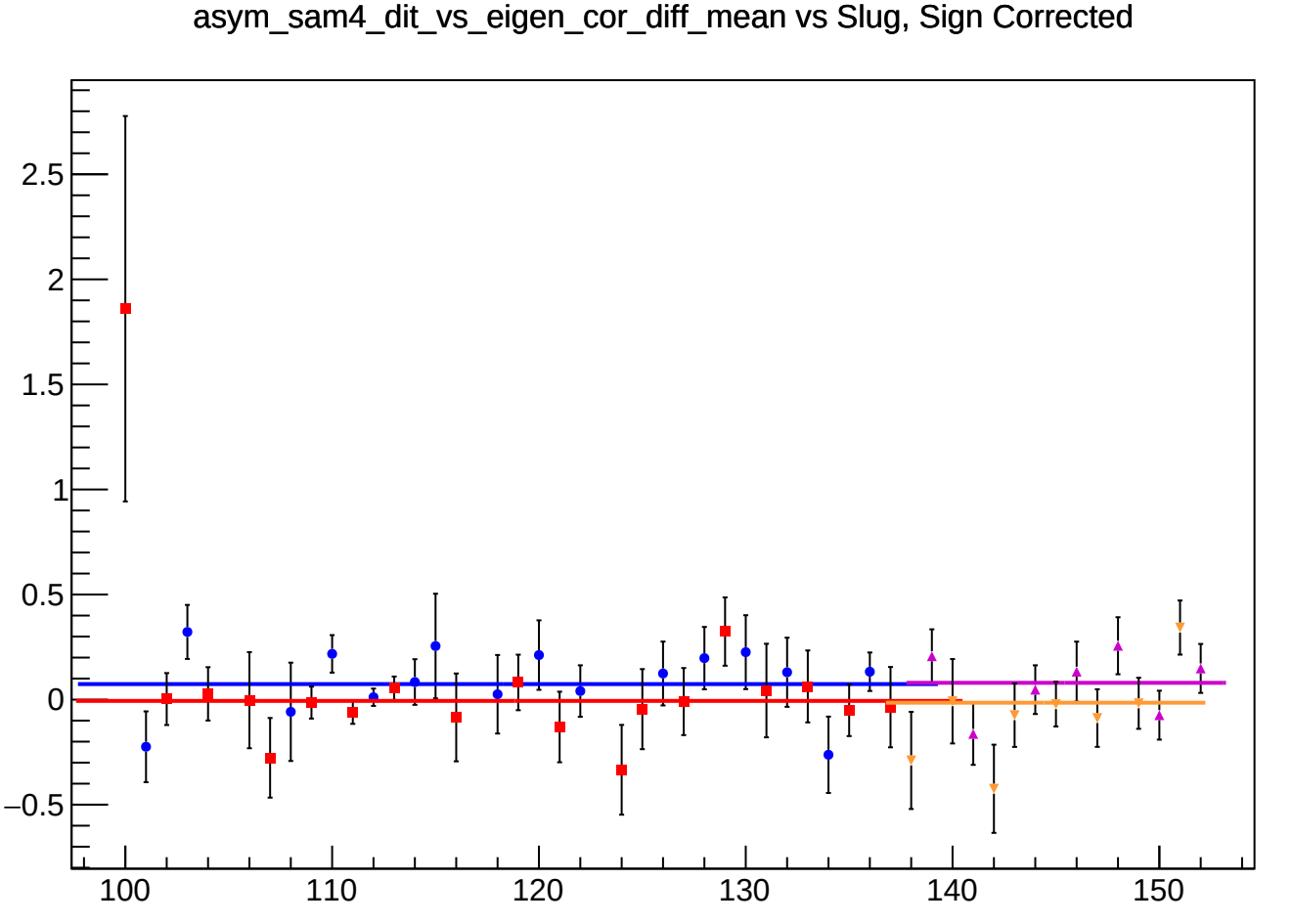
Left: 118.680+/-0.025 χ^2/NDF: 625951.6/14

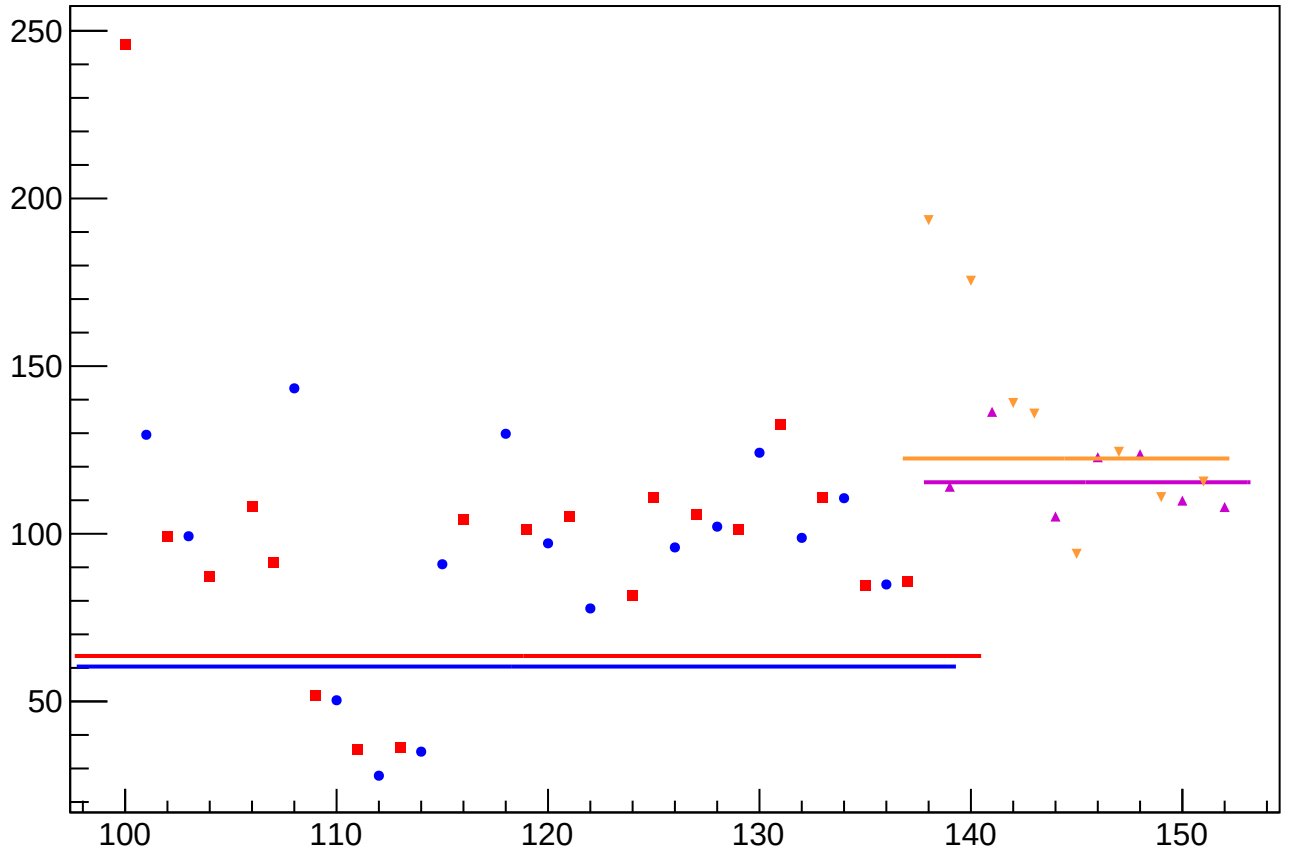
Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 73.581+/-0.017 χ^2/NDF:5605726.9/22

Out: 76.199+/-0.017 χ^2/NDF:5247759.4/26

All: 74.878+/-0.012 χ^2/NDF: 10865728.5/49


asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
100
110
120
130
140
150
Right In: 0.074+/-0.027 χ²/NDF: 19.0/15
Left Out: -0.015+/-0.051 χ²/NDF:13.4/7
Right Out: -0.006+/-0.027 χ²/NDF: 16.4/18
Left In: 0.080+/-0.048 χ²/NDF:7.7/6
Left: 0.036+/-0.035 χ²/NDF: 22.9/14
Right: 0.034+/-0.019 χ²/NDF: 39.8/34
In: 0.075+/-0.024 χ²/NDF:26.7/22
Out: -0.008+/-0.024 χ²/NDF:29.8/26
All: 0.034+/-0.017 χ²/NDF: 62.7/49



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: 115.366+/-0.034 χ^2/NDF:81873.4/6

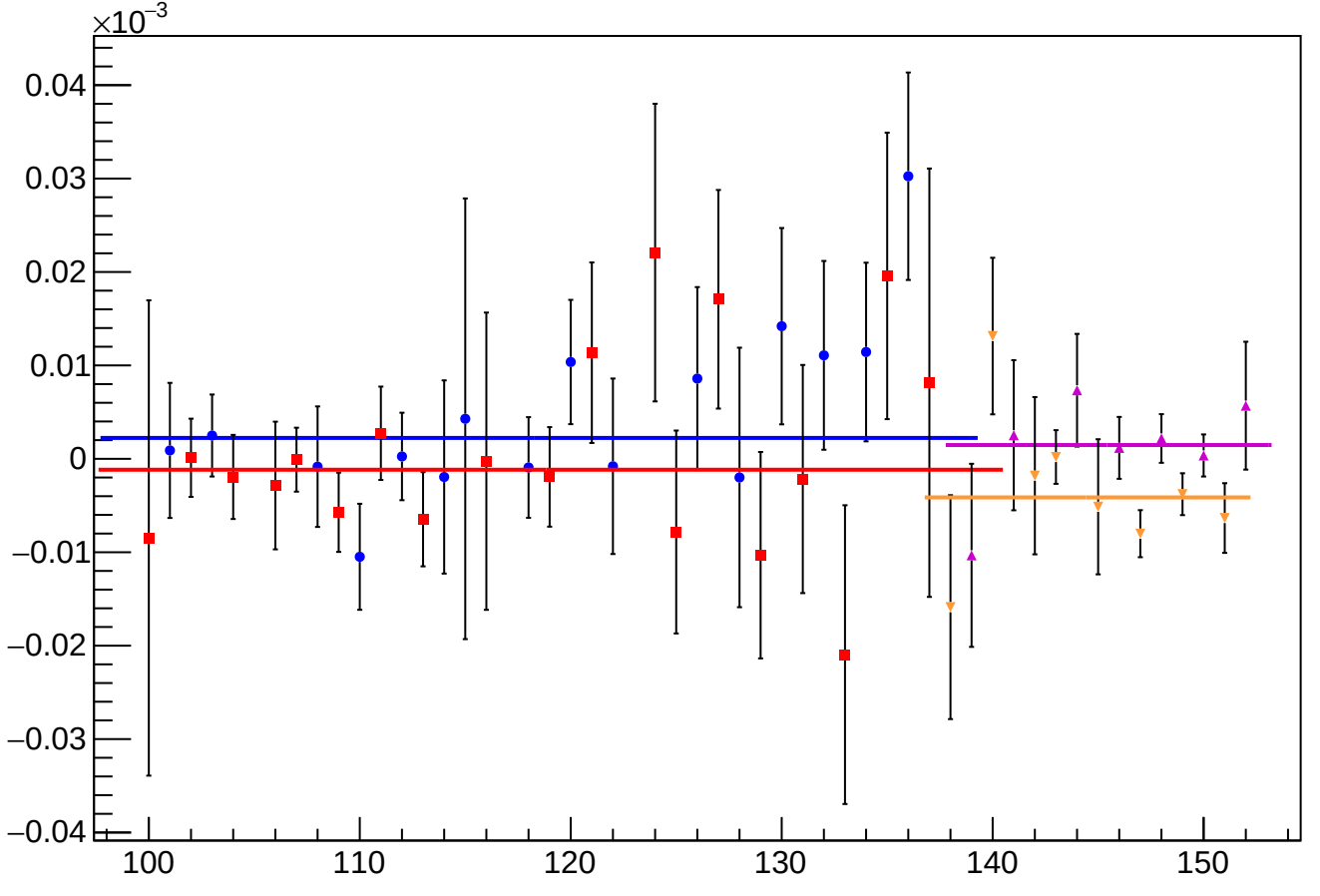
Left: 118.680+/-0.025 χ^2/NDF: 625951.6/14

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 73.581+/-0.017 χ^2/NDF:5605726.9/22

Out: 76.199+/-0.017 χ^2/NDF:5247759.4/26

All: 74.878+/-0.012 χ^2/NDF: 10865728.5/49



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:3.1/6

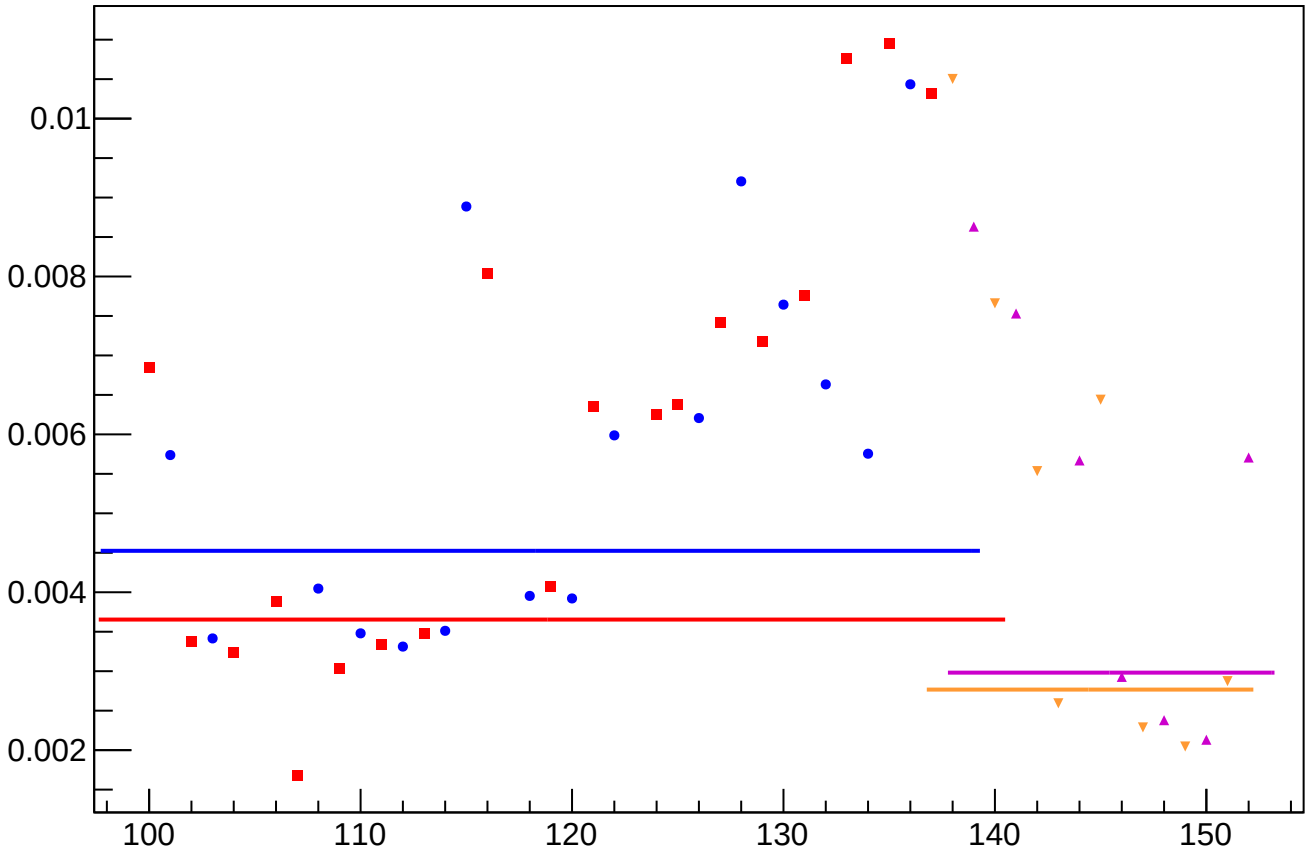
Left: -0.000+/-0.000 χ^2/NDF: 22.2/14

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:20.7/22

Out: -0.000+/-0.000 χ^2/NDF:26.7/26

All: -0.000+/-0.000 χ^2/NDF: 57.2/49



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:2412427.0/6

Left: 0.003+/-0.000 χ^2/NDF: 4973935.4/14

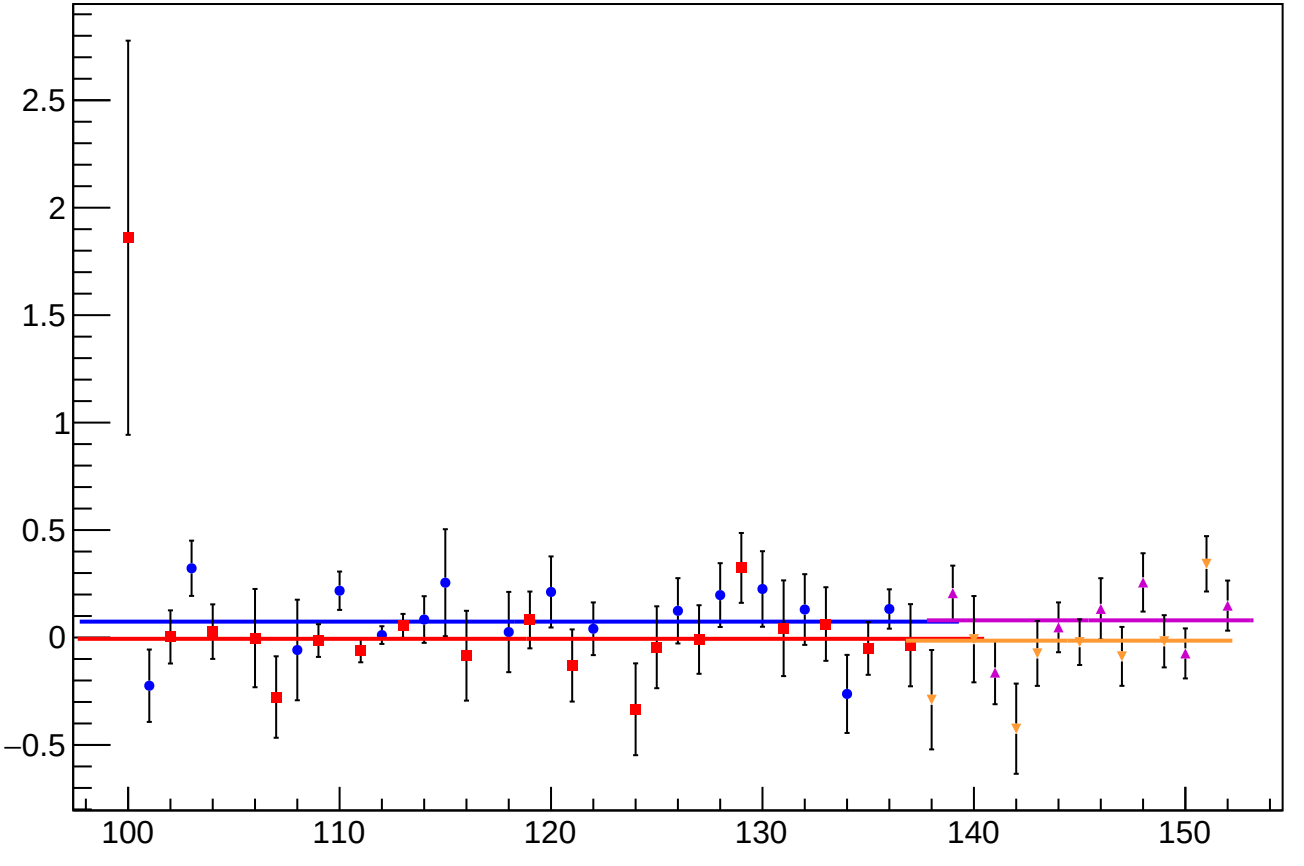
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:5042836.5/22

Out: 0.003+/-0.000 χ^2/NDF:5872363.9/26

All: 0.003+/-0.000 χ^2/NDF: 11073936.0/49

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: 0.080+/-0.048 χ^2/NDF:7.7/6

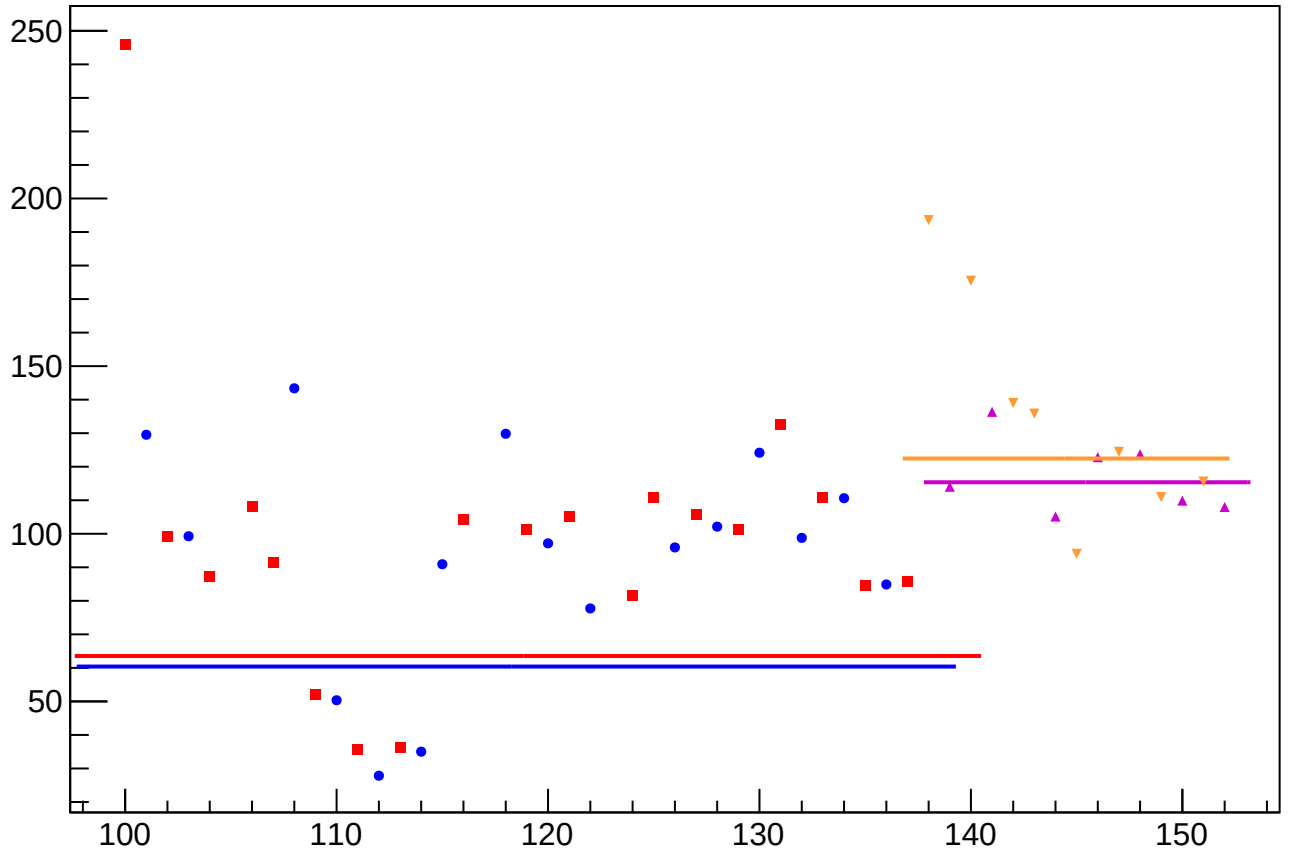
Left: 0.036+/-0.035 χ^2/NDF: 22.9/14

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.075+/-0.024 χ^2/NDF:26.7/22

Out: -0.008+/-0.024 χ^2/NDF:29.8/26

All: 0.034+/-0.017 χ^2/NDF: 62.7/49



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: 115.367+/-0.034 χ^2/NDF:81872.4/6

Left: 118.681+/-0.025 χ^2/NDF: 625925.8/14

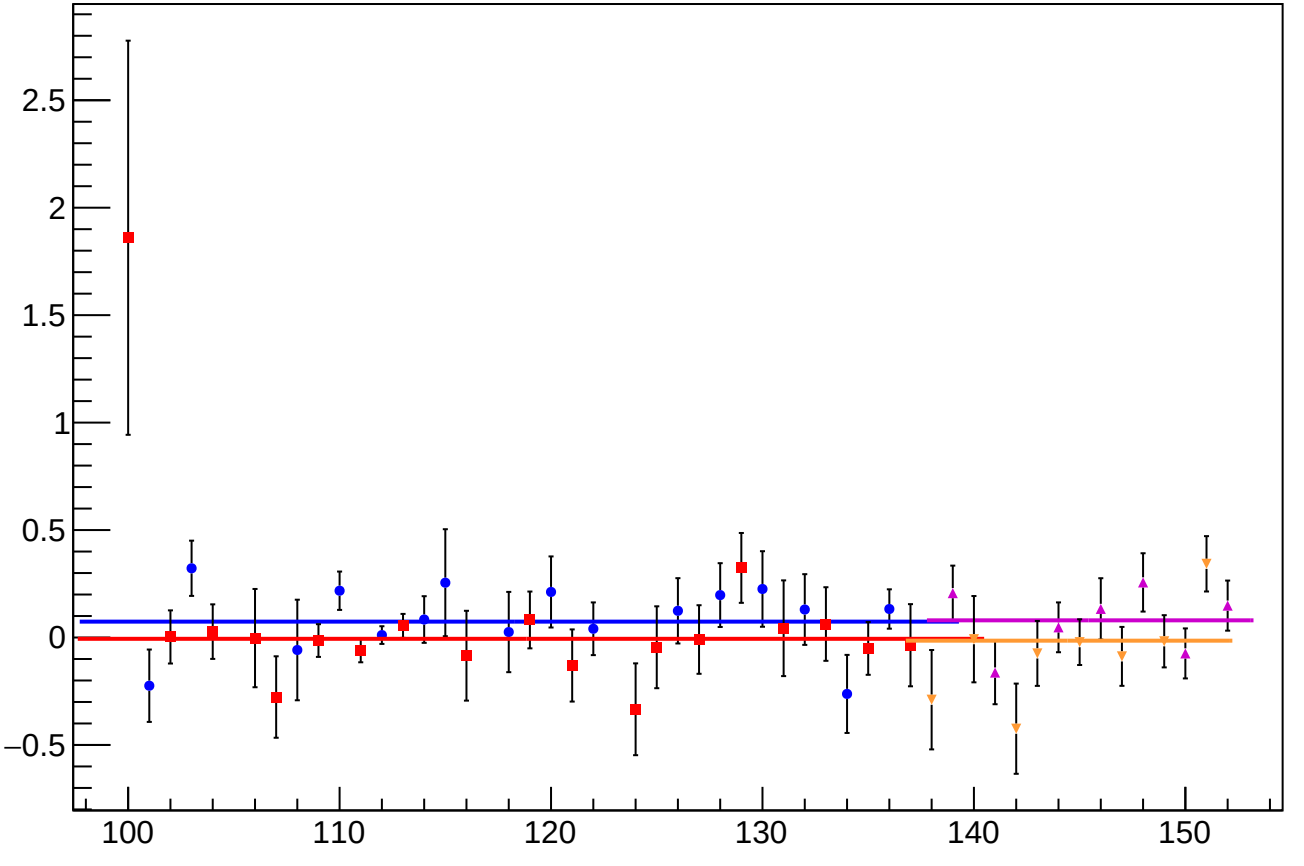
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 73.579+/-0.017 χ^2/NDF:5606205.3/22

Out: 76.198+/-0.017 χ^2/NDF:5248203.4/26

All: 74.876+/-0.012 χ^2/NDF: 10866653.7/49

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: 0.080+/-0.048 χ^2/NDF:7.7/6

Left: 0.036+/-0.035 χ^2/NDF: 22.9/14

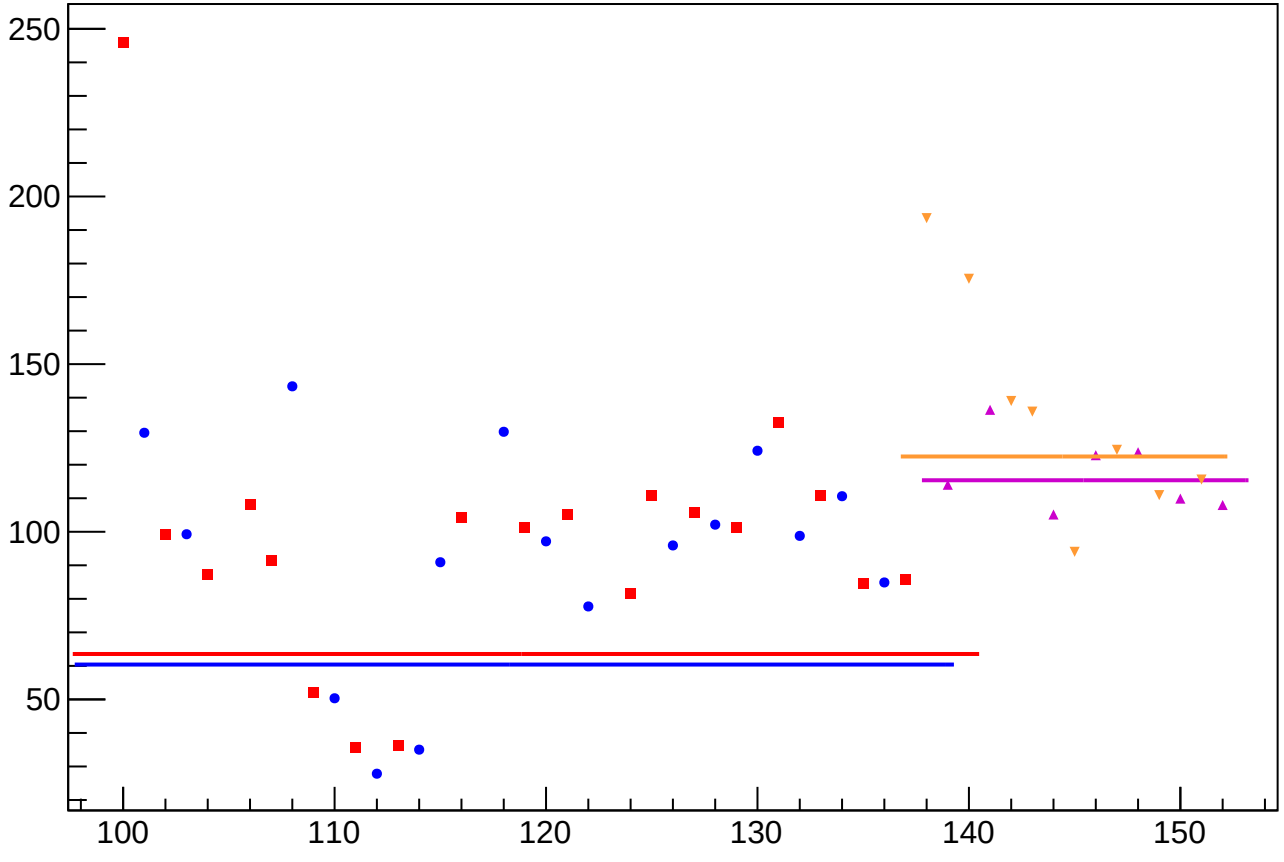
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.075+/-0.024 χ^2/NDF:26.7/22

Out: -0.008+/-0.024 χ^2/NDF:29.8/26

All: 0.034+/-0.017 χ^2/NDF: 62.7/49

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: 115.367+/-0.034 χ^2/NDF:81872.4/6

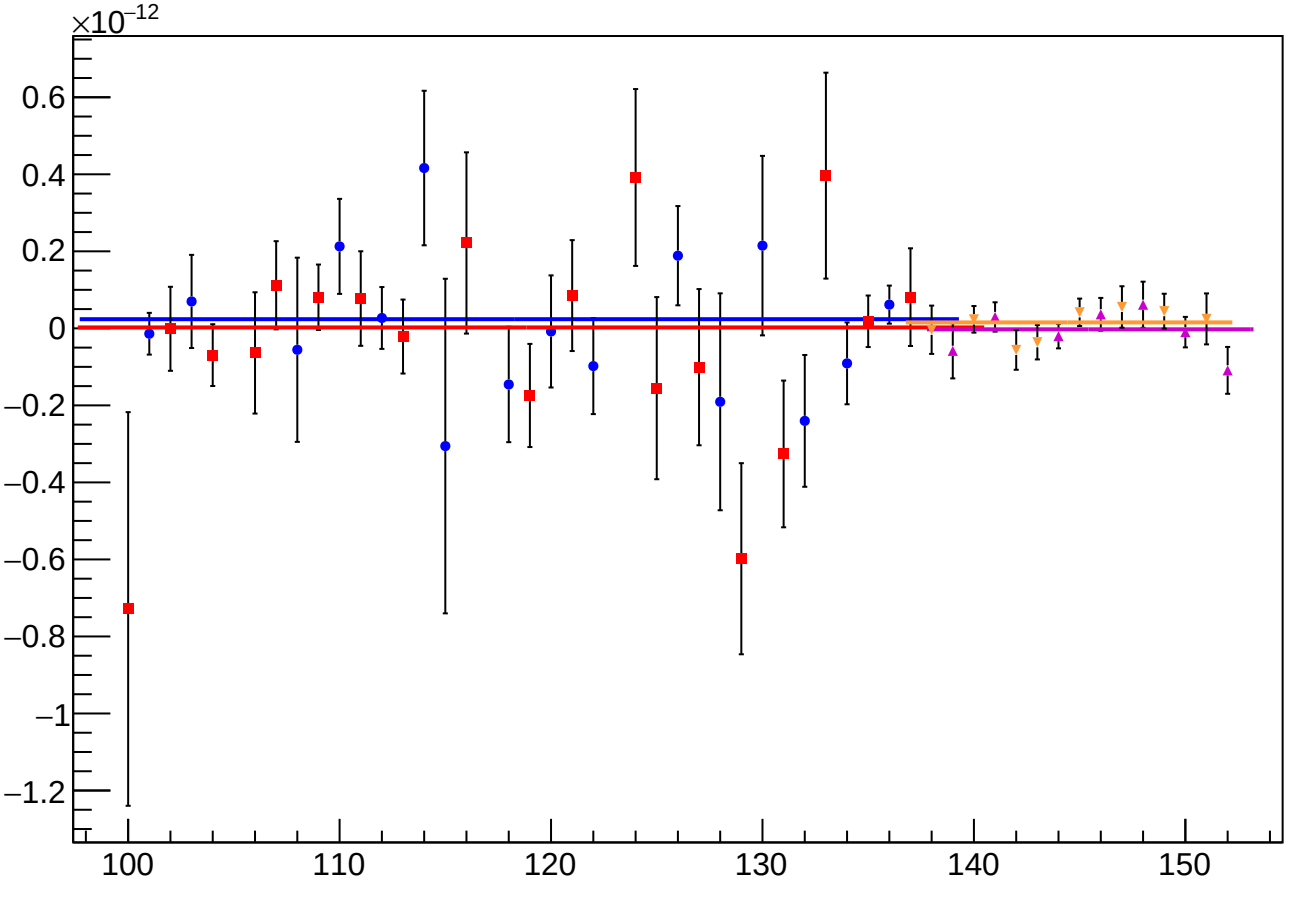
Left: 118.681+/-0.025 χ^2/NDF: 625925.8/14

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 73.579+/-0.017 χ^2/NDF:5606205.3/22

Out: 76.198+/-0.017 χ^2/NDF:5248203.4/26

All: 74.876+/-0.012 χ^2/NDF: 10866653.7/49



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:6.7/6

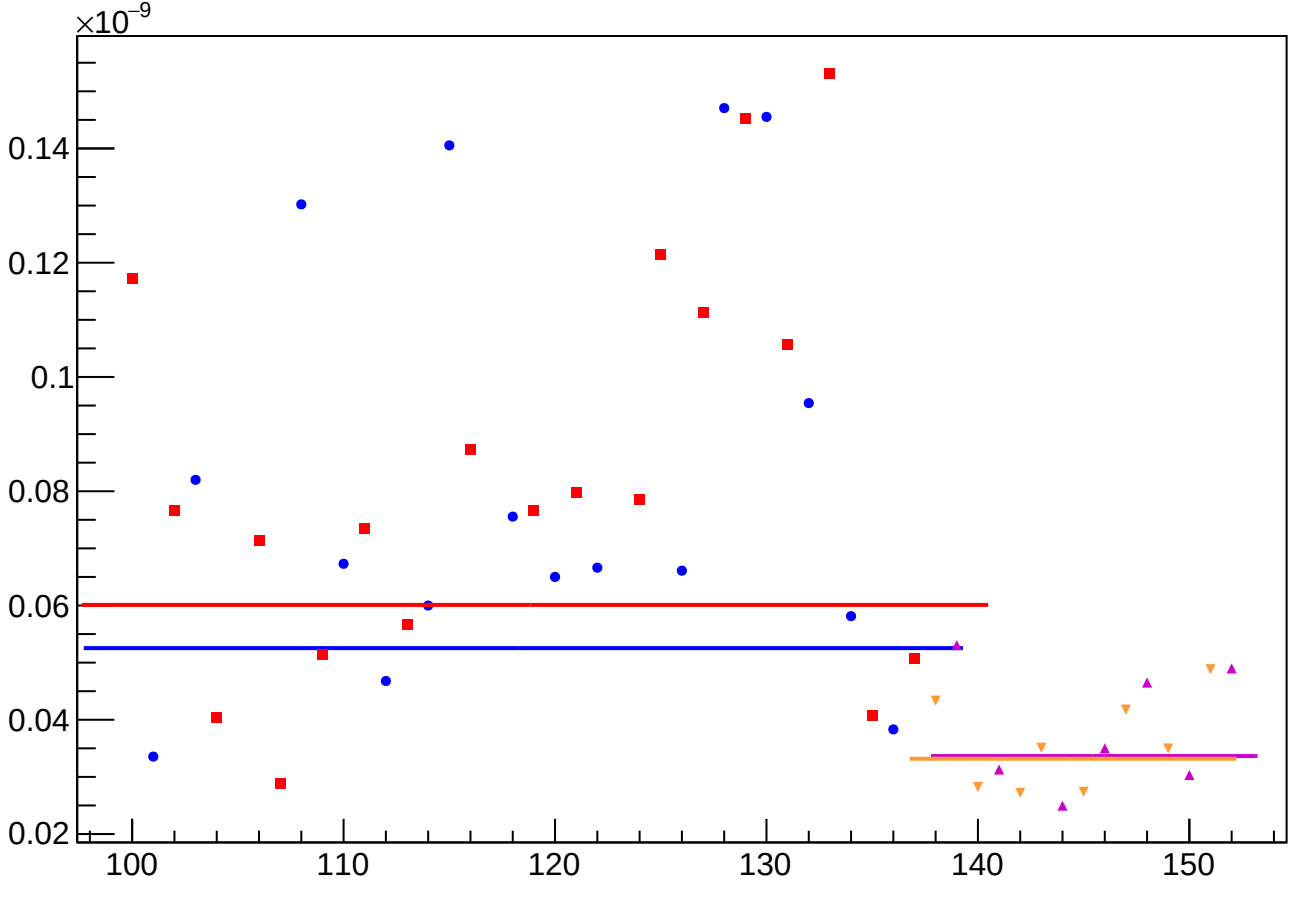
Left: 0.000+/-0.000 χ^2/NDF: 12.2/14

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:24.2/22

Out: 0.000+/-0.000 χ^2/NDF:28.3/26

All: 0.000+/-0.000 χ^2/NDF: 52.6/49



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:538096.2/6

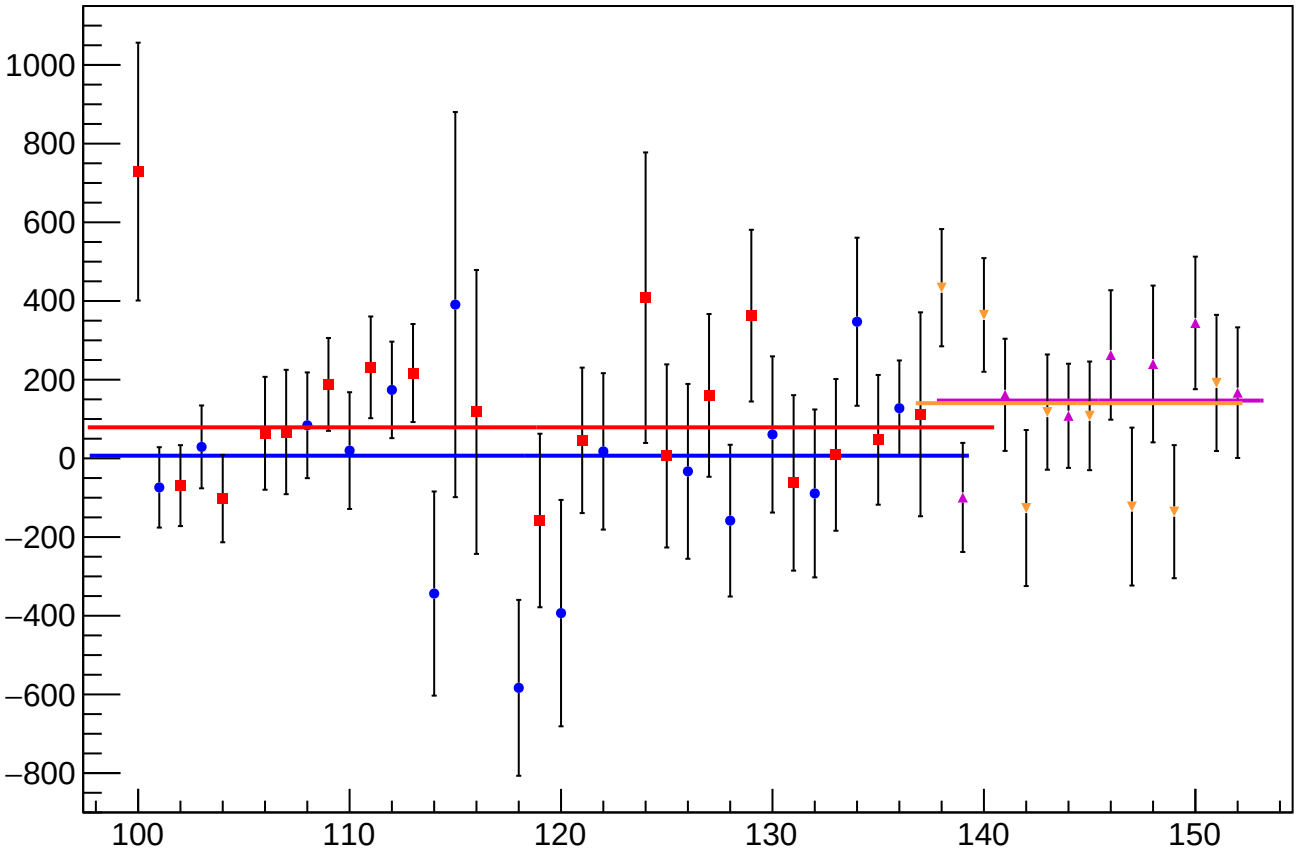
Left: 0.000+/-0.000 χ^2/NDF: 882217.7/14

Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:2928221.6/22

Out: 0.000+/-0.000 χ^2/NDF:3206051.0/26

All: 0.000+/-0.000 χ^2/NDF: 6135695.8/49



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: 146.956+/-58.528 χ^2/NDF:5.4/6

Left: 143.509+/-40.739 χ^2/NDF: 18.0/14

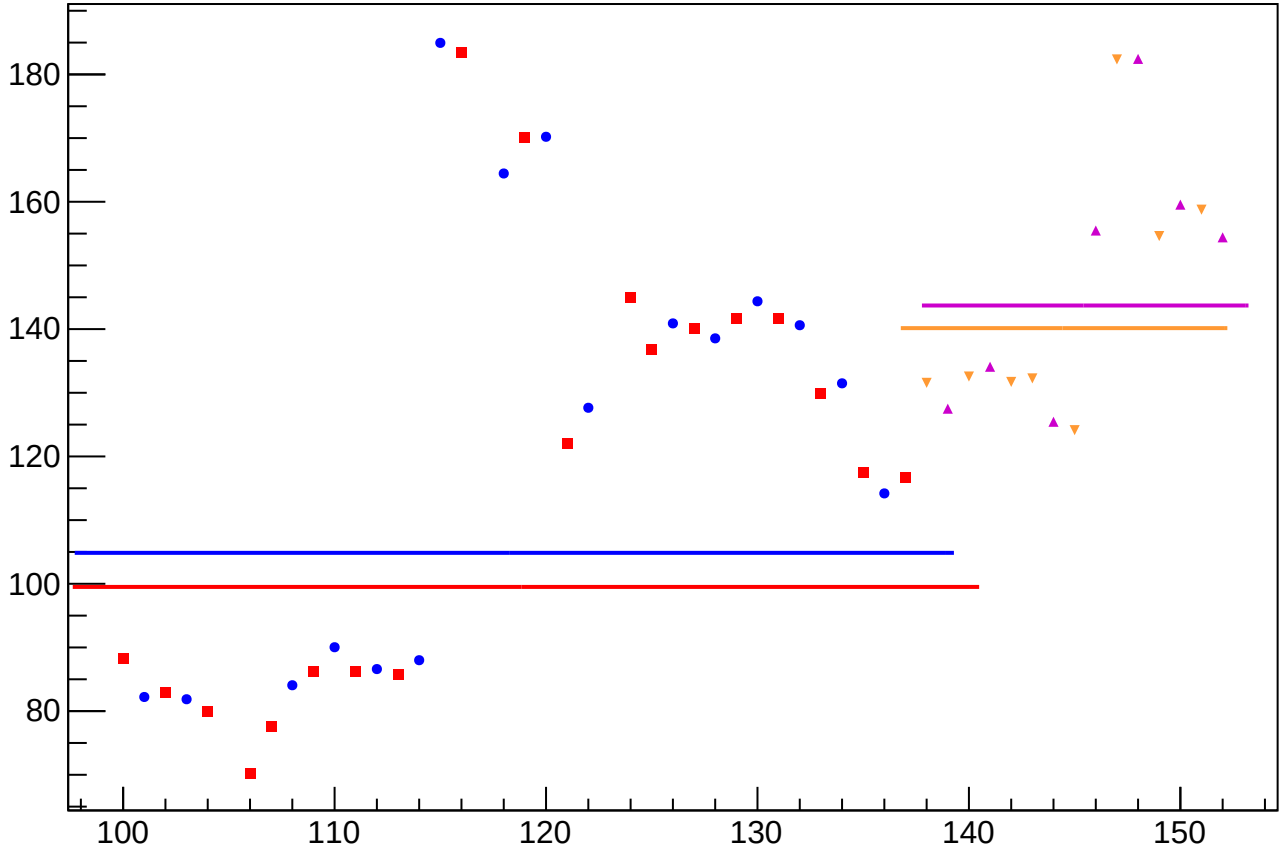
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 51.966+/-33.222 χ^2/NDF:28.0/22

Out: 97.826+/-31.519 χ^2/NDF:30.1/26

All: 76.101+/-22.866 χ^2/NDF: 59.2/49

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: 143.707+/-0.041 χ^2/NDF:186314.2/6

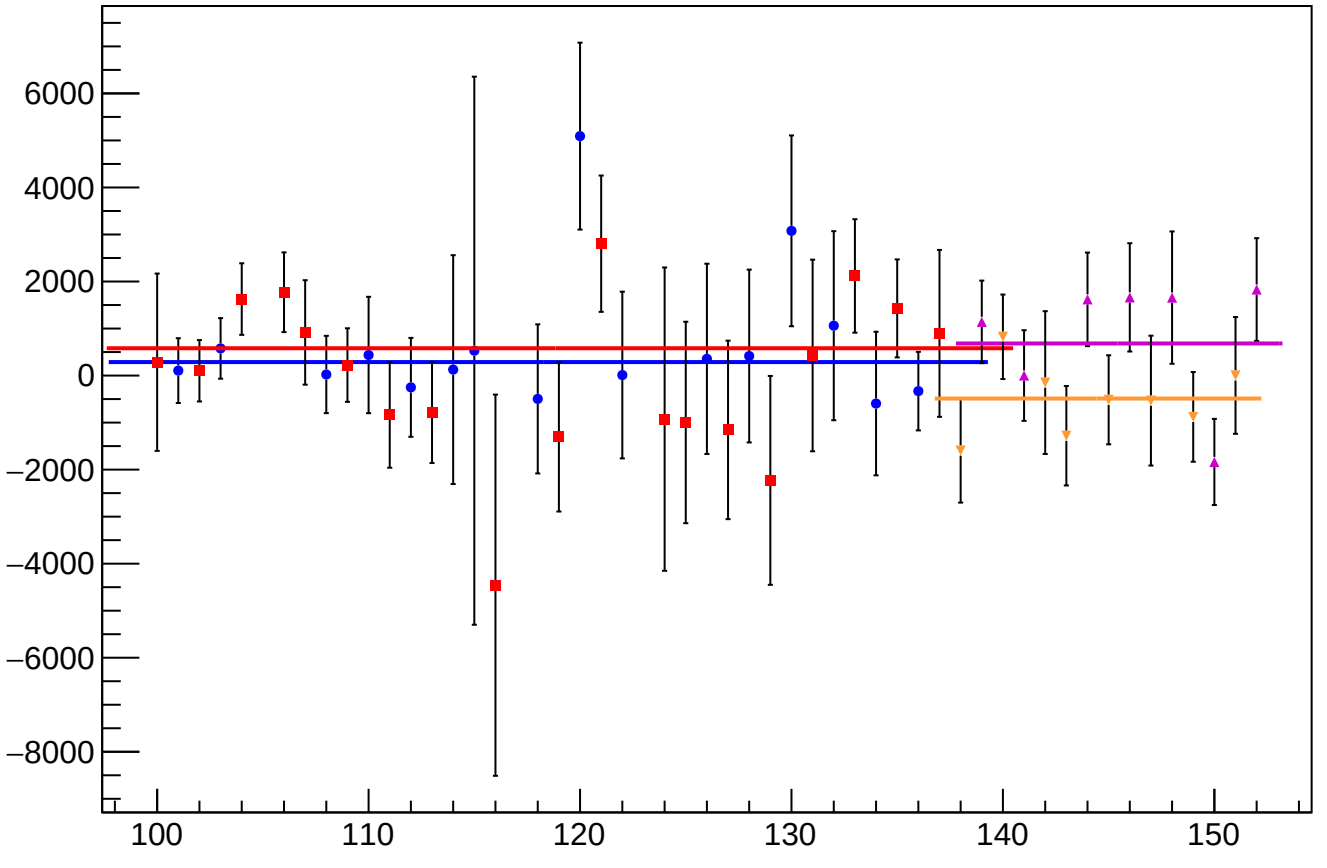
Left: 141.875+/-0.029 χ^2/NDF: 364855.0/14

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 117.376+/-0.023 χ^2/NDF:1714755.1/22

Out: 112.050+/-0.022 χ^2/NDF:1923341.8/26

All: 114.573+/-0.016 χ^2/NDF: 3665154.3/49



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: 682.827+/-387.096 χ^2/NDF:11.5/6

Left: 92.945+/-272.718 χ^2/NDF: 20.2/14

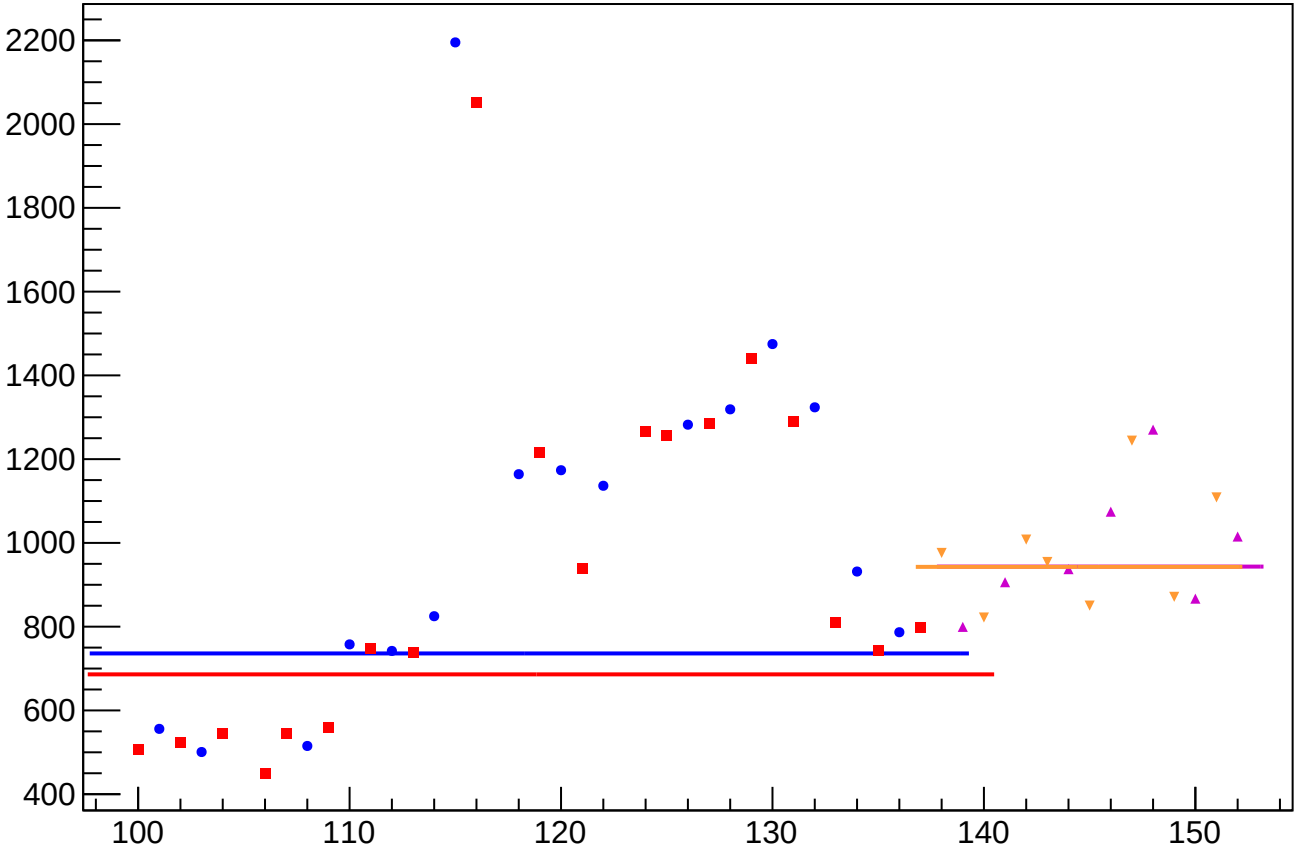
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 431.419+/-233.862 χ^2/NDF:21.9/22

Out: 228.103+/-220.798 χ^2/NDF:28.0/26

All: 323.924+/-160.548 χ^2/NDF: 50.3/49

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: 943.431+/-0.274 χ^2/NDF:213395.9/6

Left: 943.101+/-0.193 χ^2/NDF: 416680.1/14

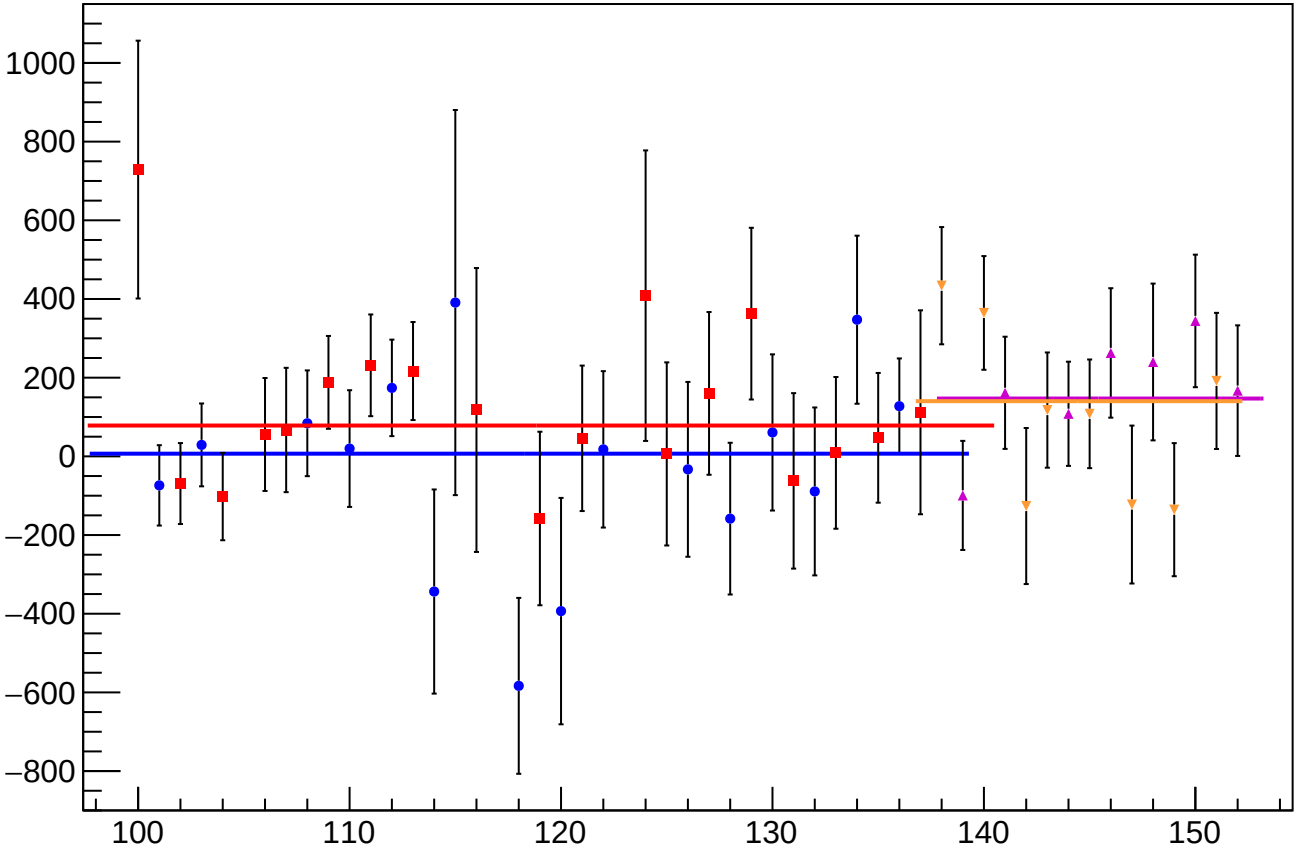
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 811.763+/-0.165 χ^2/NDF:2422282.5/22

Out: 770.843+/-0.156 χ^2/NDF:2620130.1/26

All: 790.129+/-0.114 χ^2/NDF: 5074786.7/49

cor_asym_sam5_mean vs Slug, Sign Corrected



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: 146.955+/-58.528 χ^2/NDF:5.4/6

Left: 143.511+/-40.739 χ^2/NDF: 18.0/14

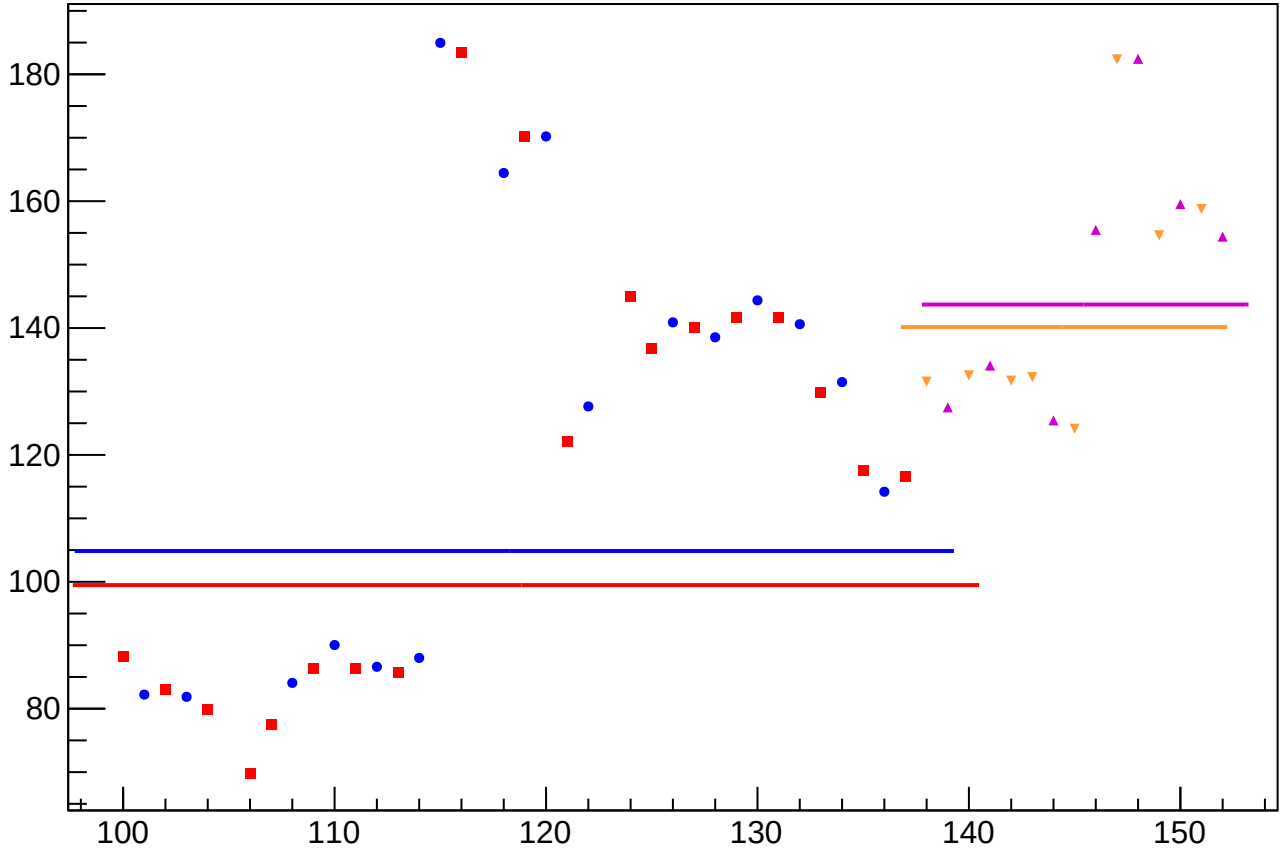
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 51.957+/-33.222 χ^2/NDF:28.0/22

Out: 97.459+/-31.521 χ^2/NDF:30.2/26

All: 75.903+/-22.866 χ^2/NDF: 59.2/49

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: 143.707+/-0.041 χ^2/NDF:186314.2/6

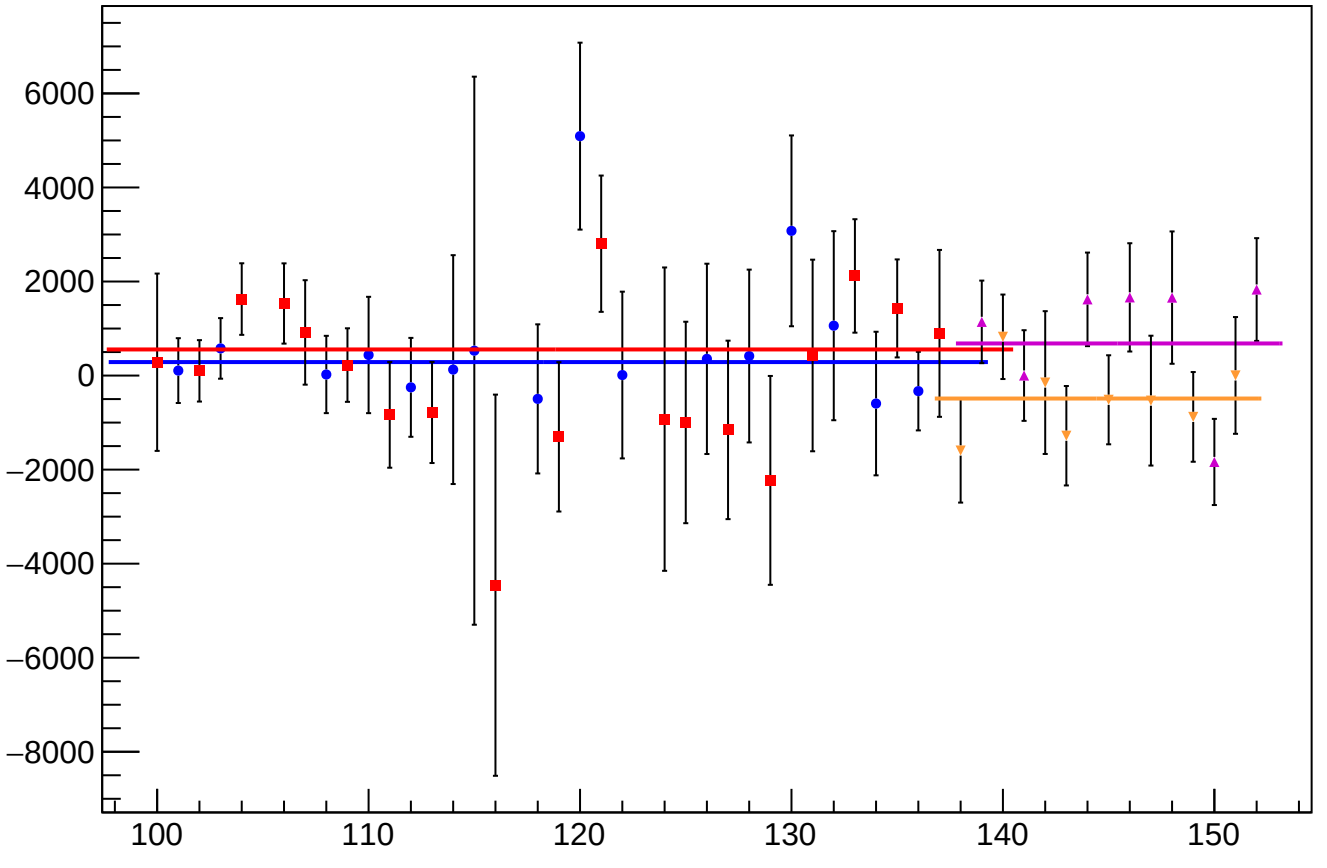
Left: 141.875+/-0.029 χ^2/NDF: 364855.0/14

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 117.376+/-0.023 χ^2/NDF:1714753.9/22

Out: 112.035+/-0.022 χ^2/NDF:1926331.9/26

All: 114.565+/-0.016 χ^2/NDF: 3668297.6/49



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: 682.820+/-387.096 χ^2/NDF:11.5/6

Left: 92.944+/-272.718 χ^2/NDF: 20.2/14

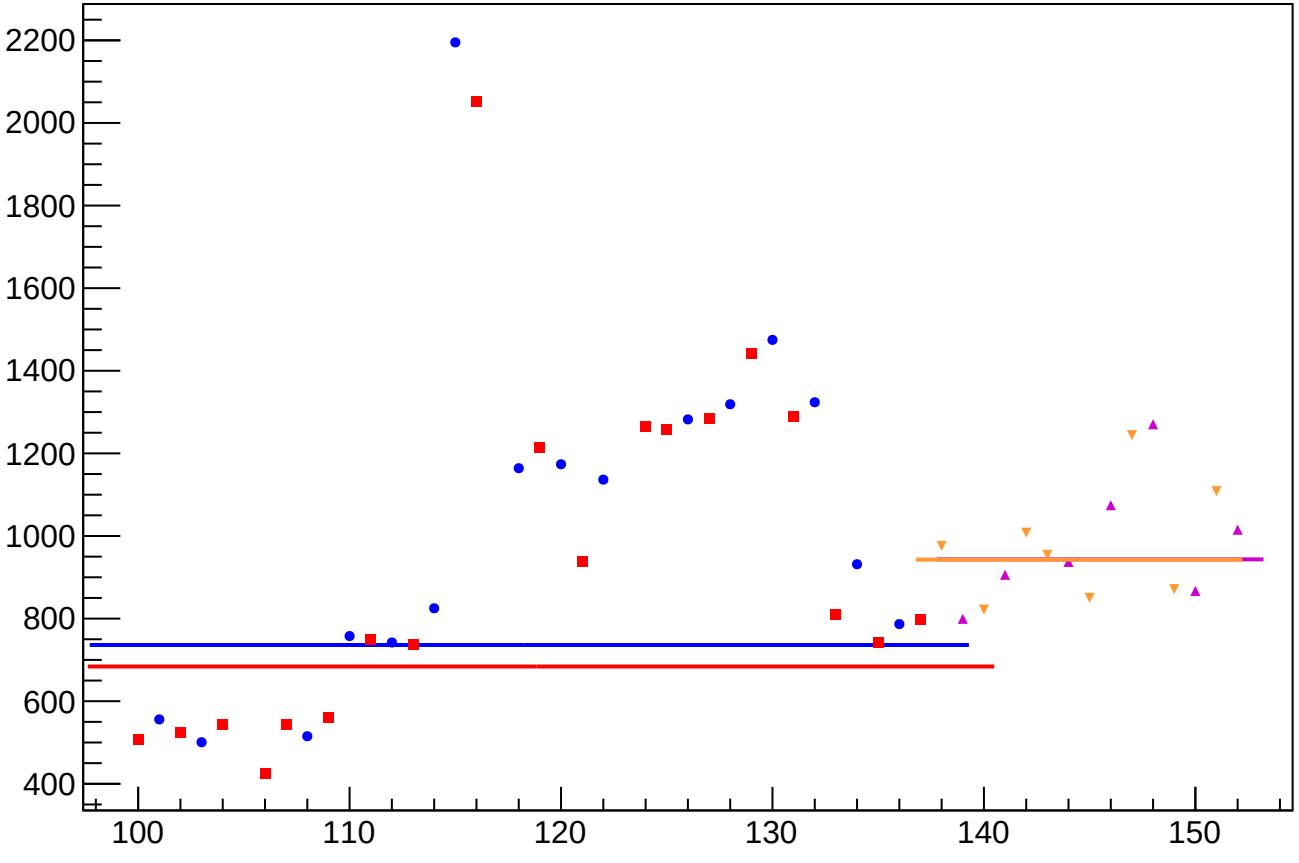
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 431.418+/-233.862 χ^2/NDF:21.9/22

Out: 210.529+/-220.896 χ^2/NDF:27.0/26

All: 314.681+/-160.585 χ^2/NDF: 49.4/49

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: 943.431+/-0.274 χ^2/NDF:213396.1/6

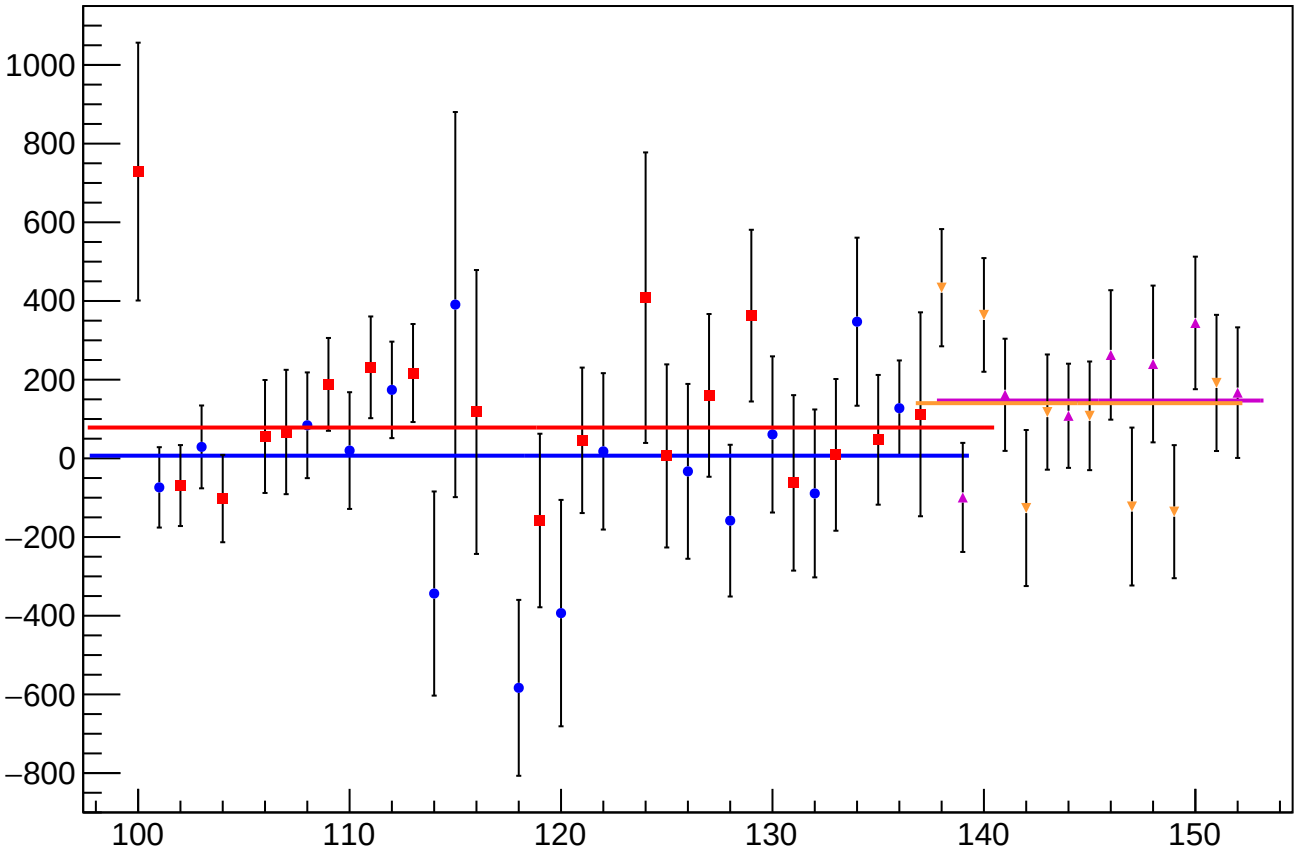
Left: 943.102+/-0.193 χ^2/NDF: 416679.8/14

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 811.763+/-0.165 χ^2/NDF:2422287.3/22

Out: 769.494+/-0.156 χ^2/NDF:2661041.2/26

All: 789.424+/-0.114 χ^2/NDF: 5117858.1/49



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: 146.955+/-58.528 χ^2/NDF:5.4/6

Left: 143.511+/-40.739 χ^2/NDF: 18.0/14

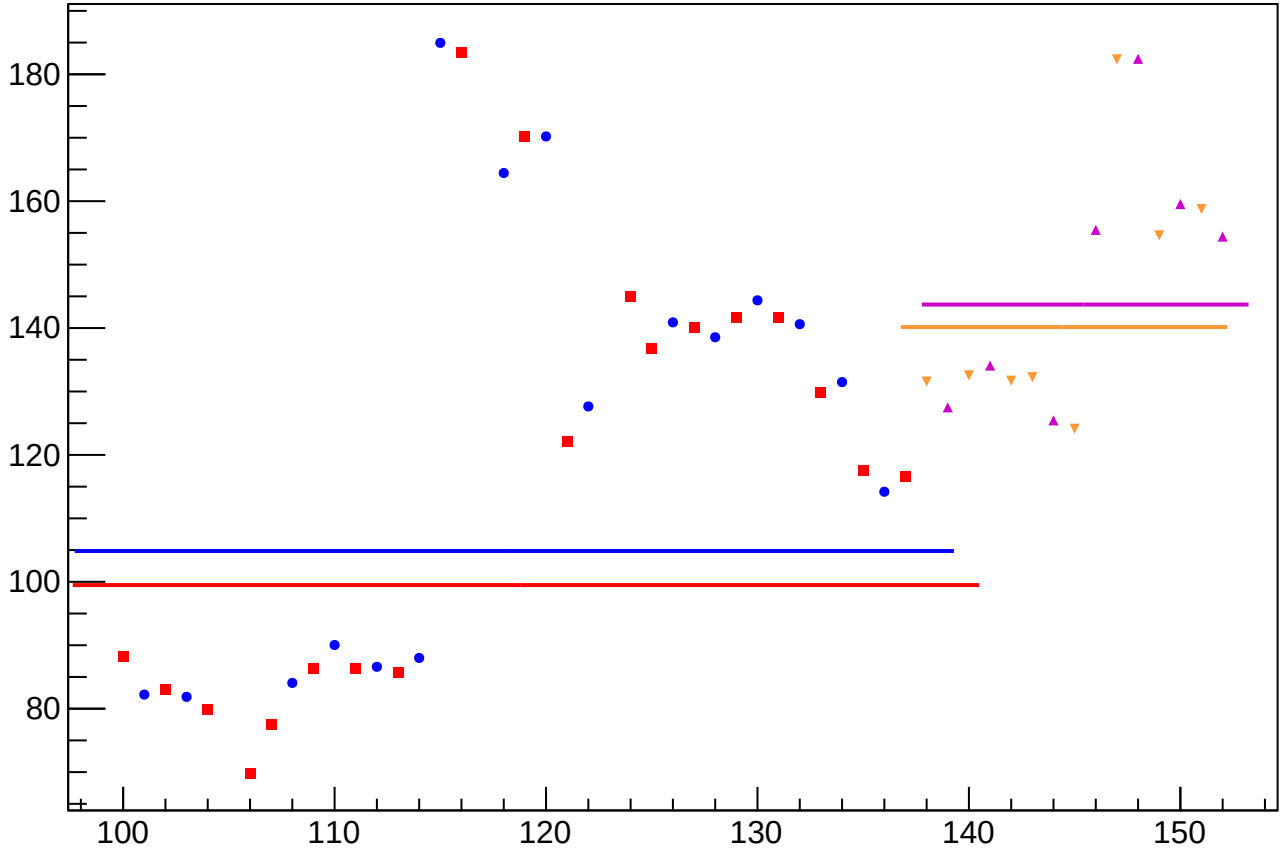
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 51.957+/-33.222 χ^2/NDF:28.0/22

Out: 97.459+/-31.521 χ^2/NDF:30.2/26

All: 75.903+/-22.866 χ^2/NDF: 59.2/49

eigen_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: 143.707+/-0.041 χ^2/NDF:186314.2/6

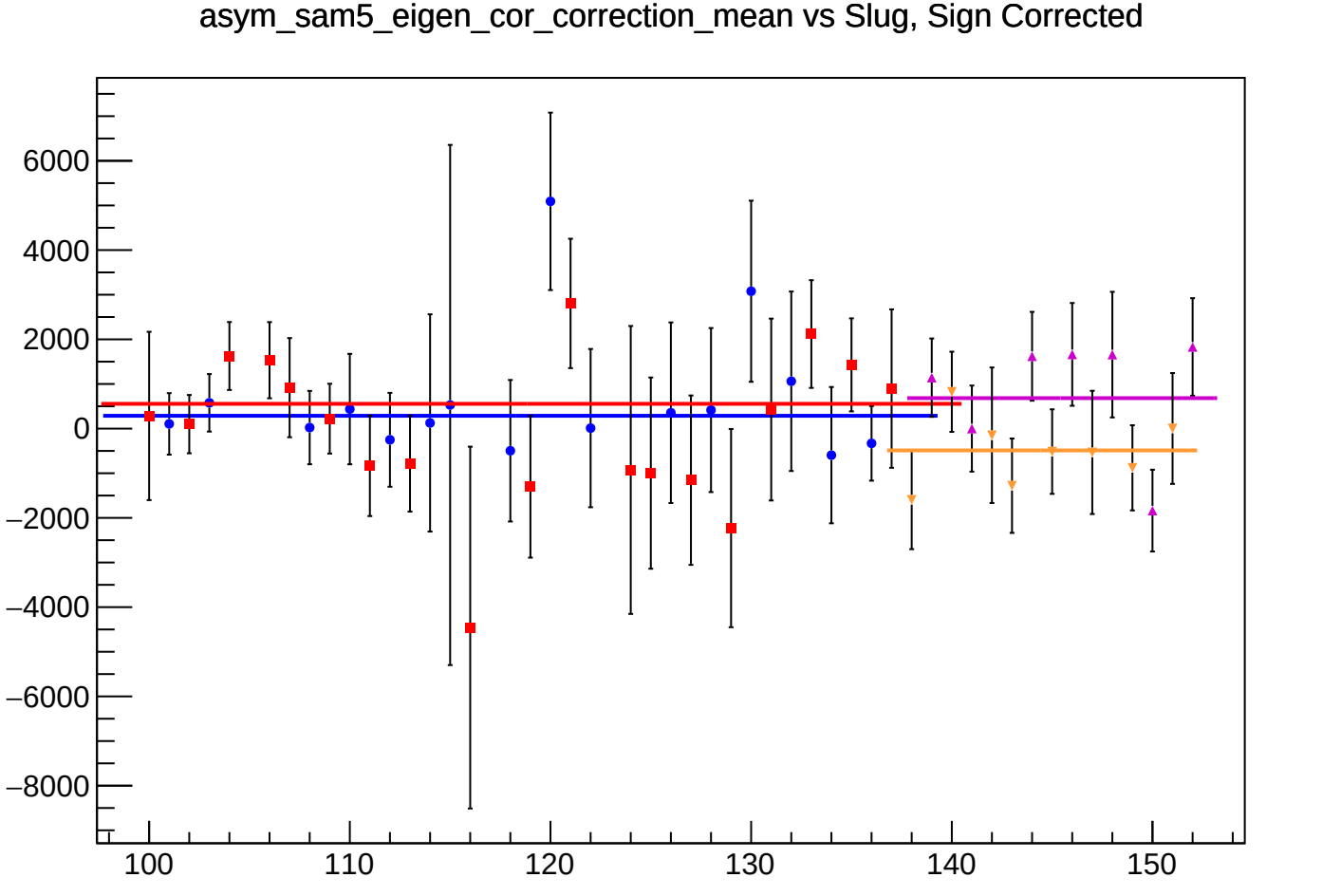
Left: 141.875+/-0.029 χ^2/NDF: 364855.0/14

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

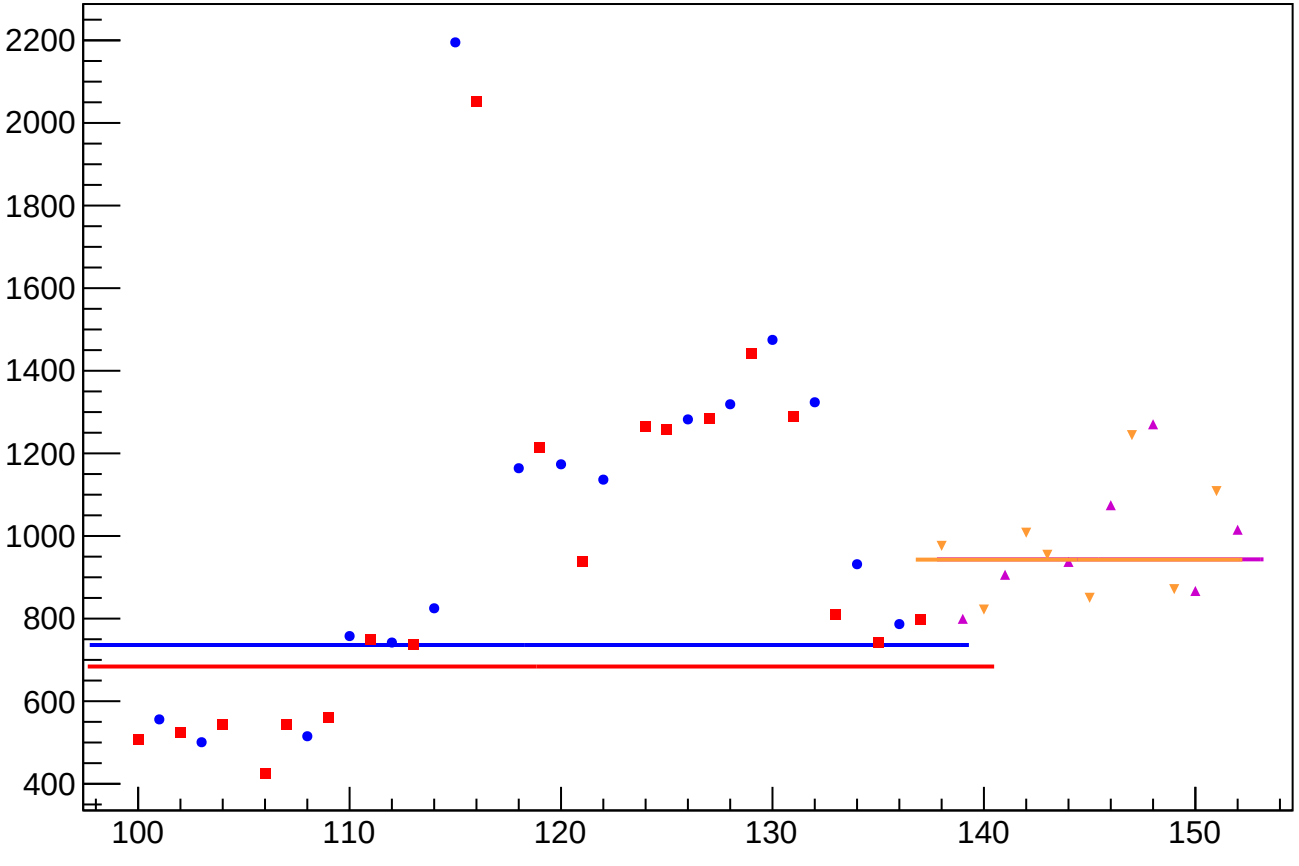
In: 117.376+/-0.023 χ^2/NDF:1714753.9/22

Out: 112.035+/-0.022 χ^2/NDF:1926331.9/26

All: 114.565+/-0.016 χ^2/NDF: 3668297.6/49


asym_sam5_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: 286.918+/-293.473 χ²/NDF: 9.7/15
Left Out: -488.385+/-384.282 χ²/NDF:4.1/7
Right Out: 555.436+/-269.953 χ²/NDF: 18.0/18
Left In: 682.820+/-387.096 χ²/NDF:11.5/6
Left: 92.944+/-272.718 χ²/NDF: 20.2/14
Right: 432.367+/-198.681 χ²/NDF: 28.2/34
In: 431.418+/-233.862 χ²/NDF:21.9/22
Out: 210.529+/-220.896 χ²/NDF:27.0/26
All: 314.681+/-160.585 χ²/NDF: 49.4/49

asym_sam5_eigen_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: 943.431+/-0.274 χ^2/NDF:213396.1/6

Left: 943.102+/-0.193 χ^2/NDF: 416679.8/14

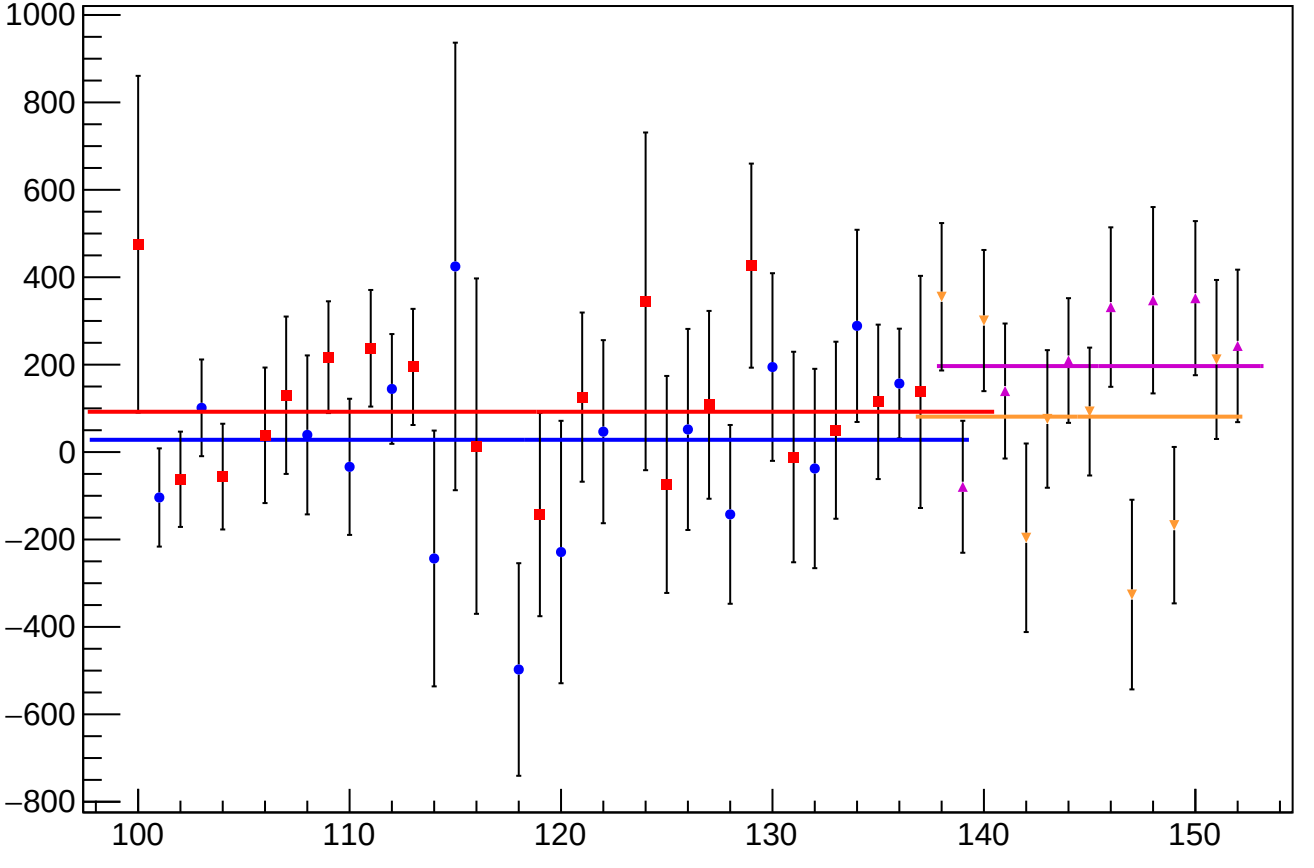
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 811.763+/-0.165 χ^2/NDF:2422287.3/22

Out: 769.494+/-0.156 χ^2/NDF:2661041.2/26

All: 789.424+/-0.114 χ^2/NDF: 5117858.1/49

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: 196.752+/-62.989 χ^2/NDF:5.4/6

Left: 137.470+/-43.988 χ^2/NDF: 19.2/14

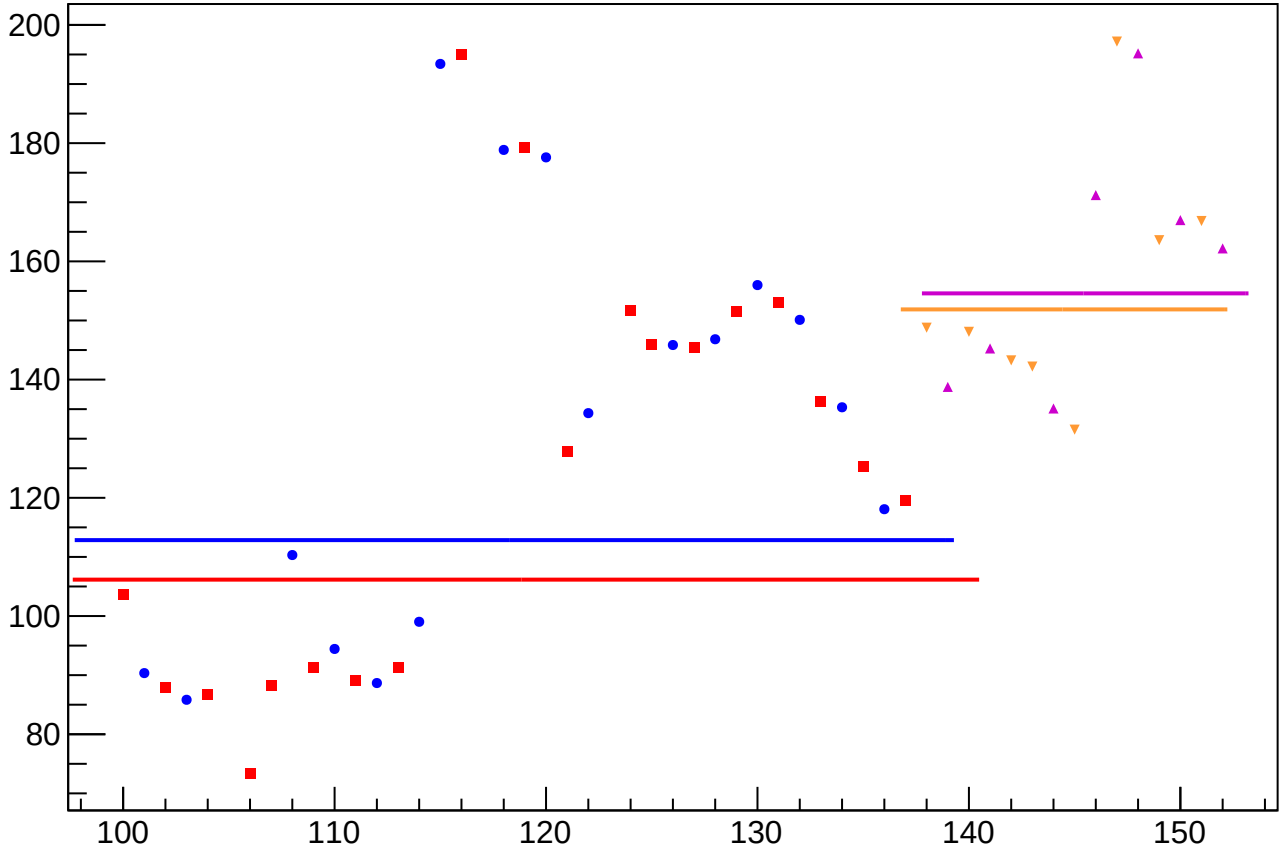
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 82.453+/-35.760 χ^2/NDF:23.8/22

Out: 88.848+/-33.840 χ^2/NDF:23.8/26

All: 85.827+/-24.579 χ^2/NDF: 47.7/49

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: 154.586+/-0.045 χ^2/NDF:169394.8/6

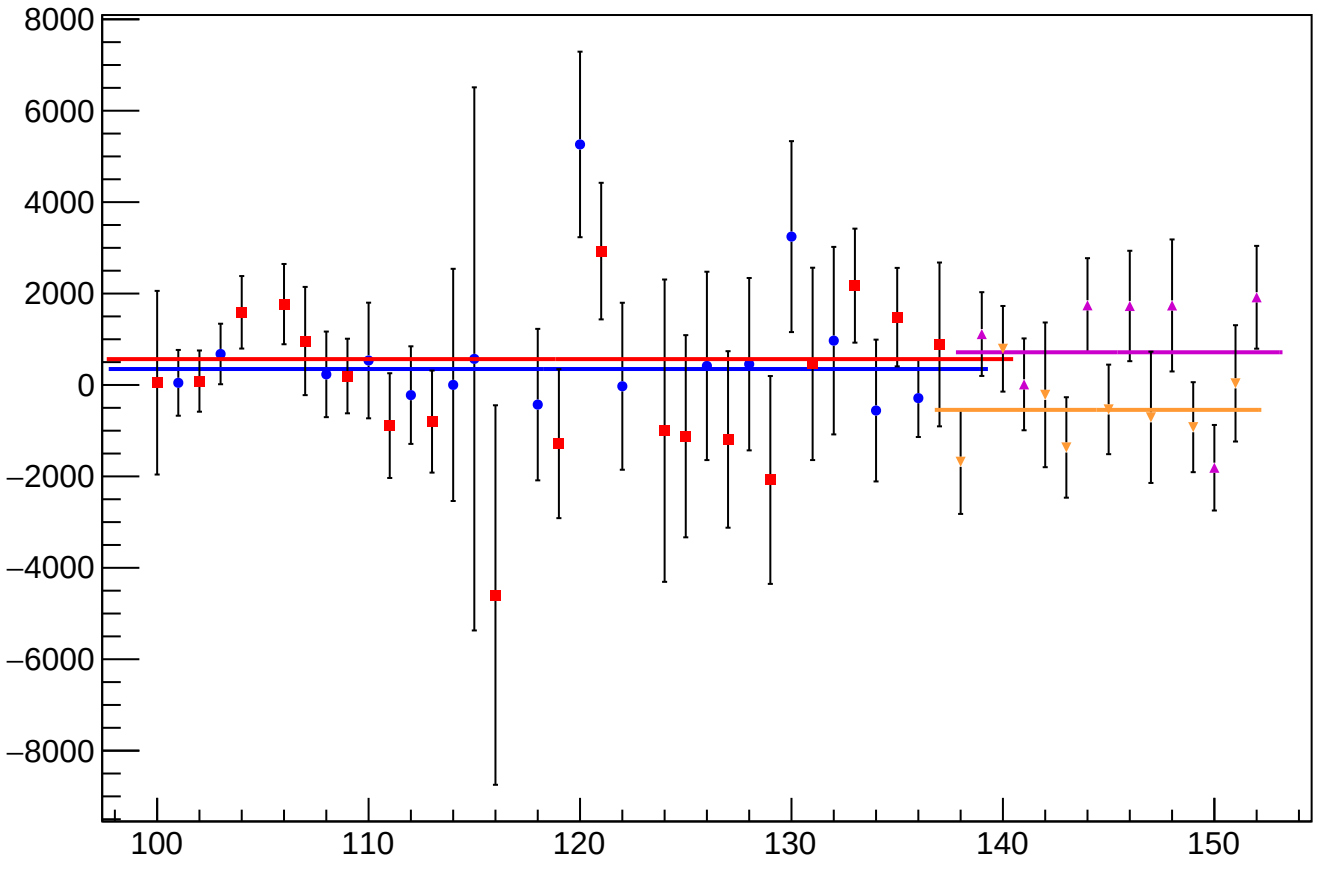
Left: 153.197+/-0.031 χ^2/NDF: 331815.0/14

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 126.297+/-0.025 χ^2/NDF:1636881.8/22

Out: 120.019+/-0.024 χ^2/NDF:1933809.1/26

All: 122.985+/-0.017 χ^2/NDF: 3603205.0/49



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: 715.451+/-400.953 χ^2/NDF:11.3/6

Left: 80.817+/-282.484 χ^2/NDF: 20.3/14

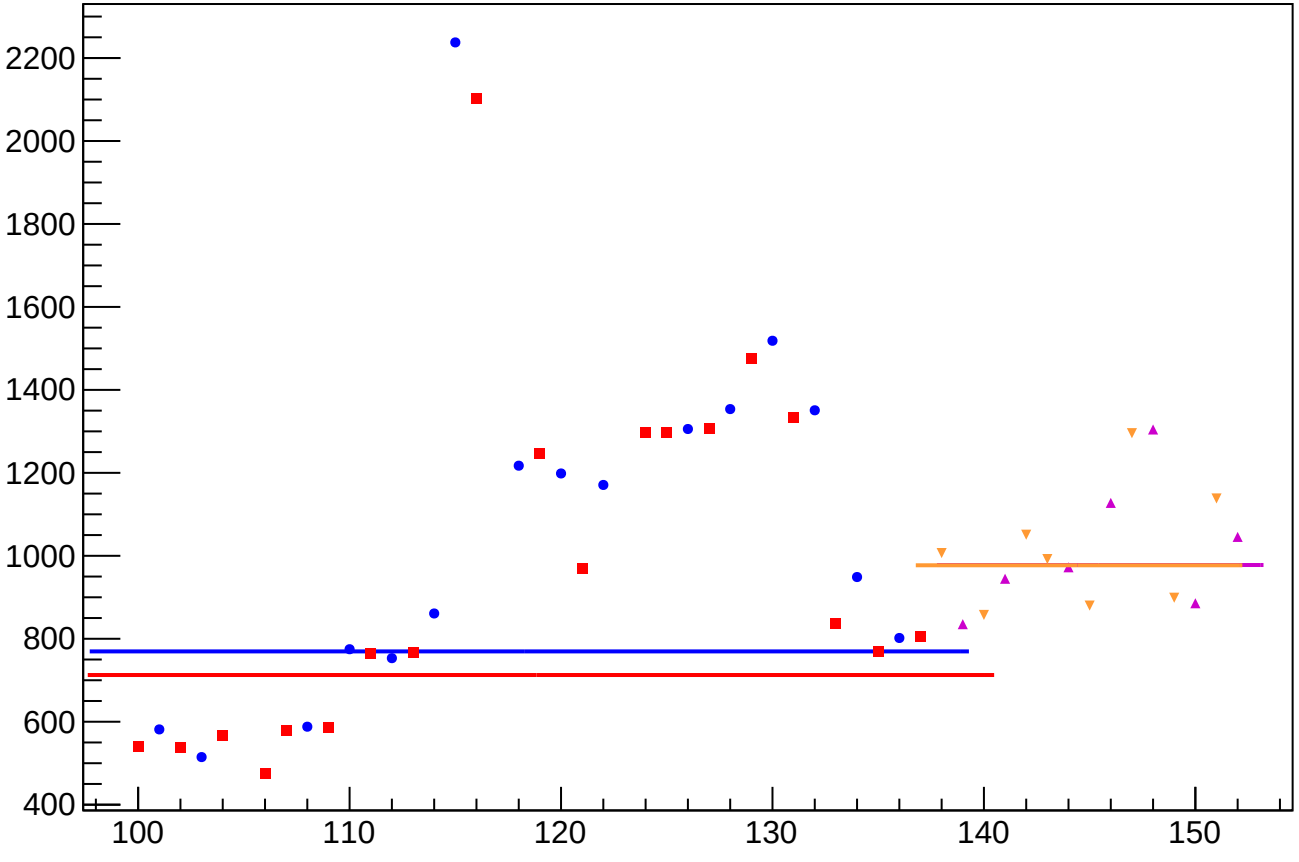
Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 483.575+/-242.914 χ^2/NDF:21.6/22

Out: 199.740+/-228.587 χ^2/NDF:27.5/26

All: 333.041+/-166.470 χ^2/NDF: 49.9/49

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: 977.823+/-0.284 χ^2/NDF:210522.8/6

Left: 977.494+/-0.200 χ^2/NDF: 411947.5/14

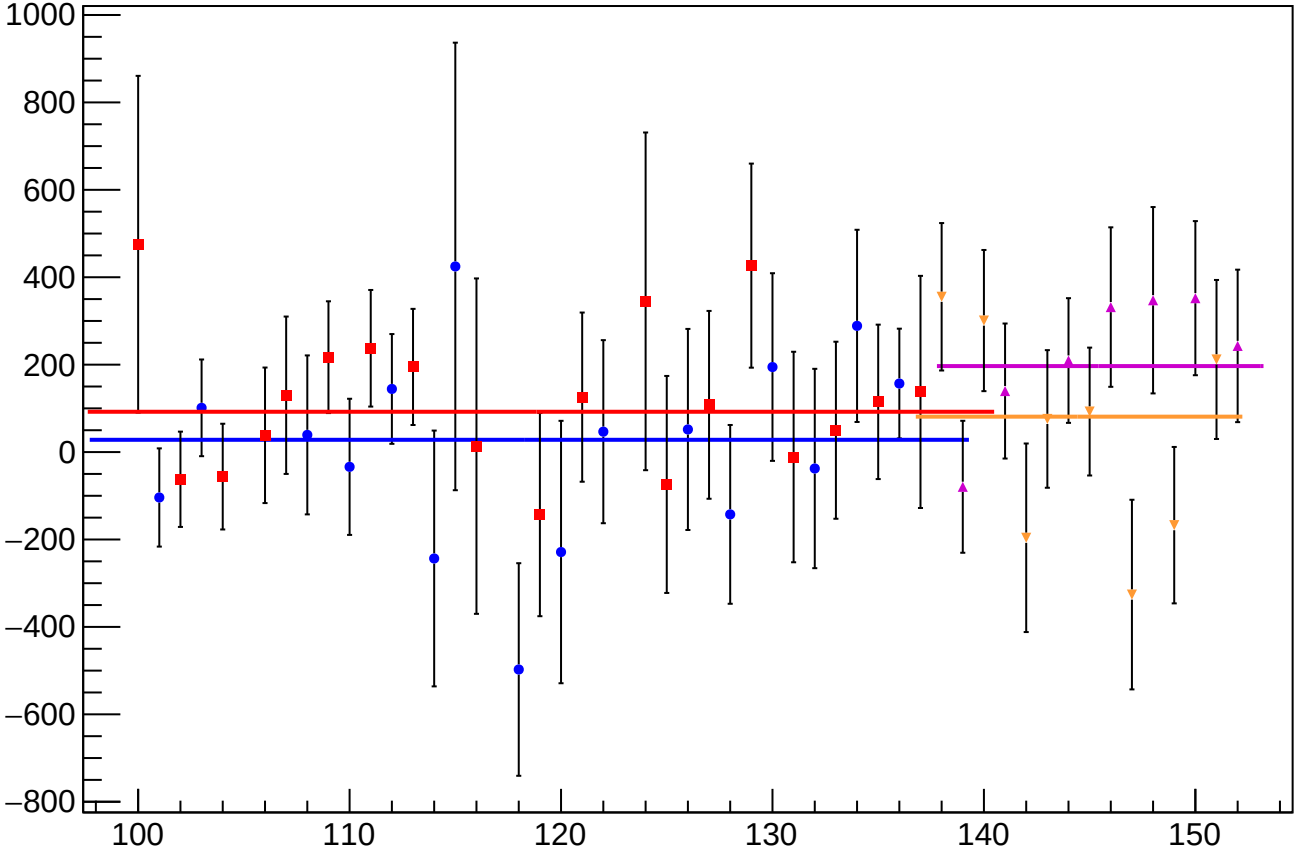
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 846.000+/-0.172 χ^2/NDF:2292007.1/22

Out: 799.871+/-0.162 χ^2/NDF:2560704.4/26

All: 821.535+/-0.118 χ^2/NDF: 4890963.4/49

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: 196.753+/-62.989 χ^2/NDF:5.4/6

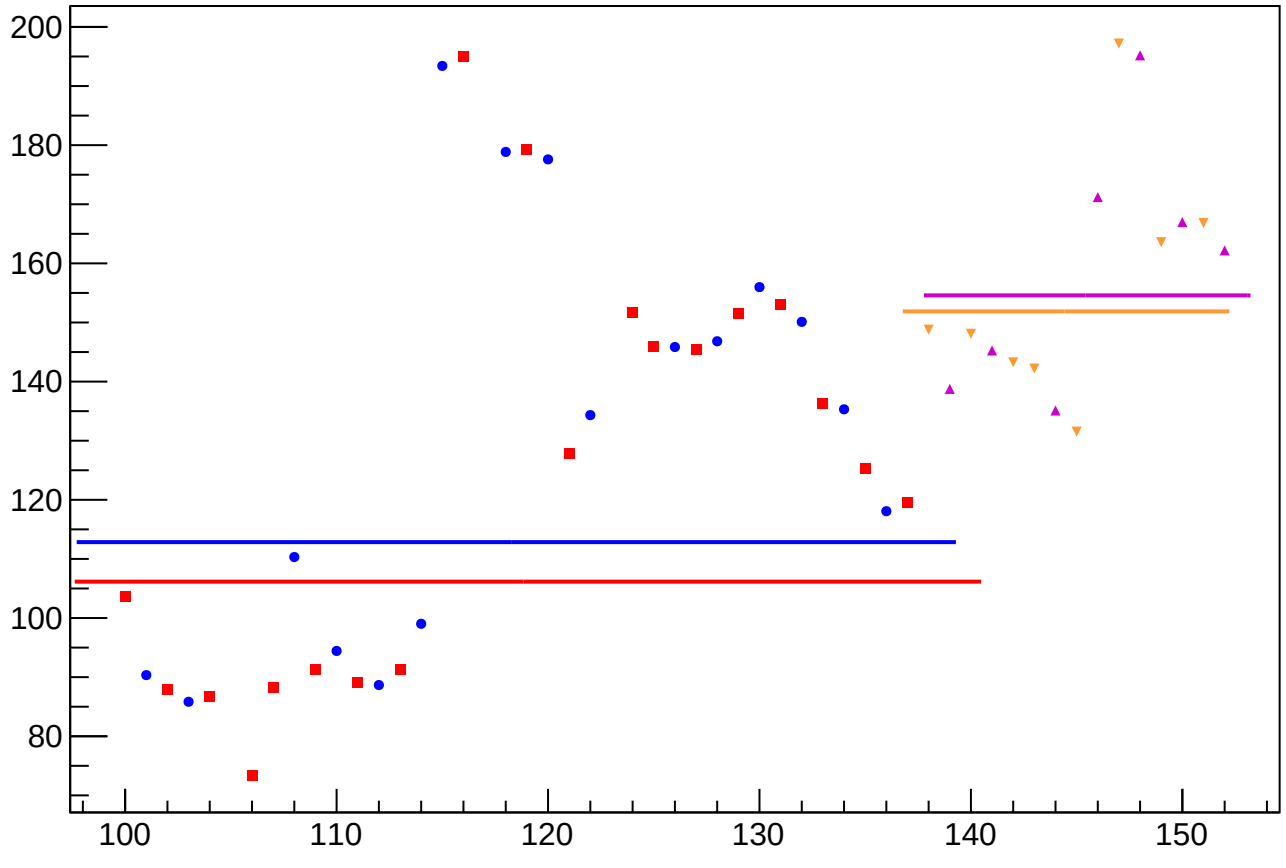
Left: 137.471+/-43.988 χ^2/NDF: 19.2/14

Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 82.452+/-35.760 χ^2/NDF:23.8/22

Out: 88.849+/-33.840 χ^2/NDF:23.8/26

All: 85.827+/-24.579 χ^2/NDF: 47.7/49



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: 154.586+/-0.045 χ^2/NDF:169394.1/6

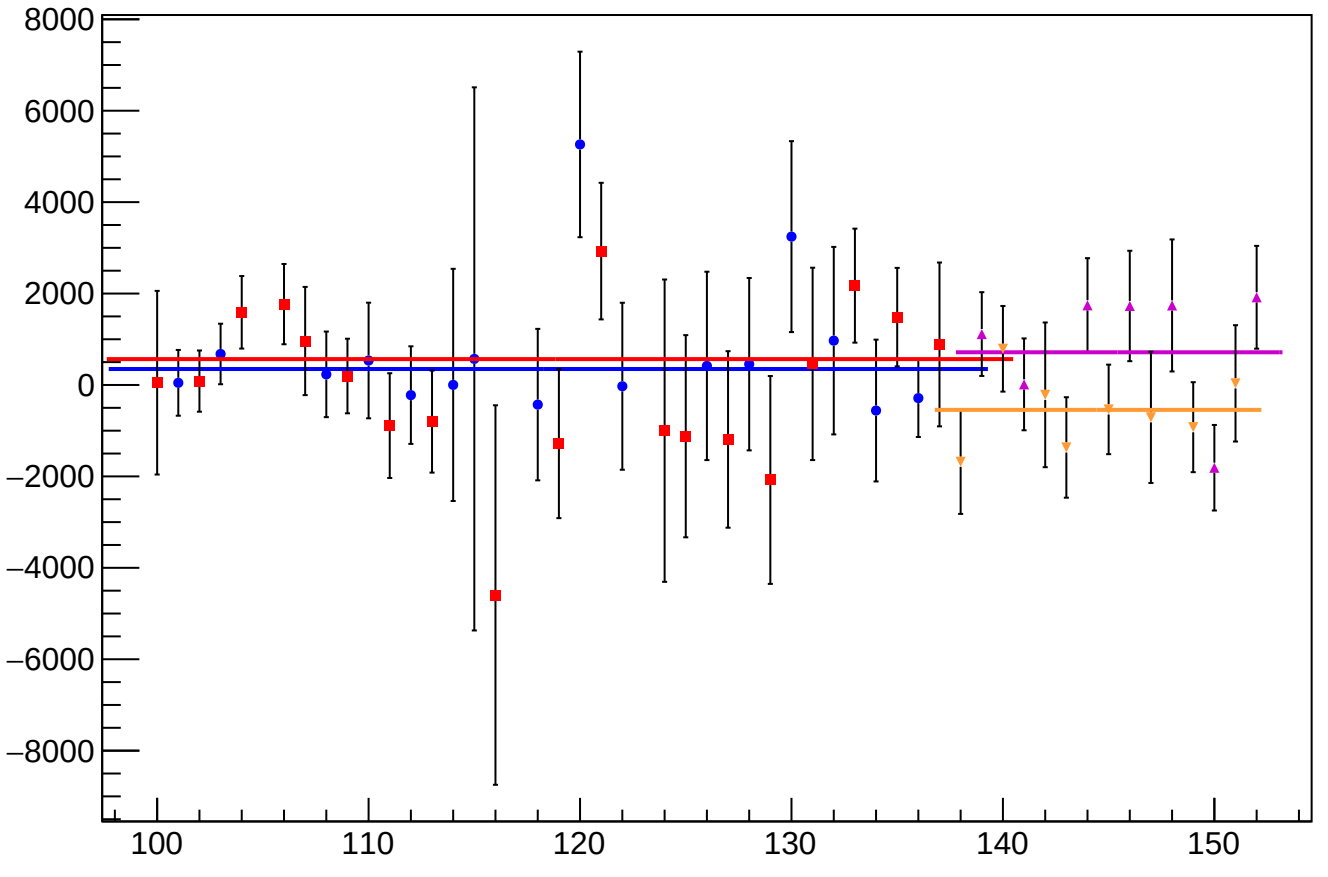
Left: 153.197+/-0.031 χ^2/NDF: 331817.1/14

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 126.296+/-0.025 χ^2/NDF:1636895.8/22

Out: 120.019+/-0.024 χ^2/NDF:1933815.9/26

All: 122.985+/-0.017 χ^2/NDF: 3603225.8/49



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: 715.453+/-400.954 χ^2/NDF:11.3/6

Left: 80.818+/-282.484 χ^2/NDF: 20.3/14

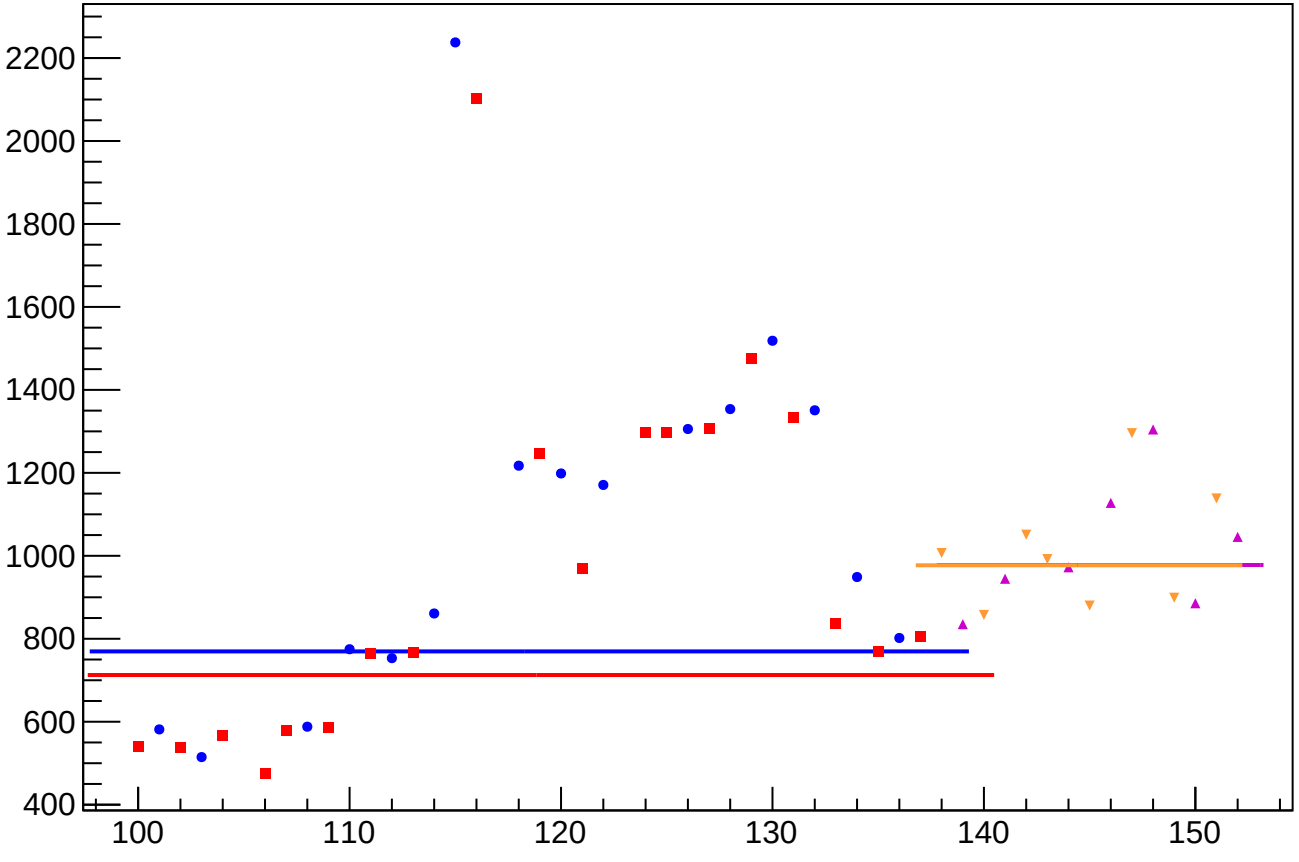
Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 483.575+/-242.914 χ^2/NDF:21.6/22

Out: 199.742+/-228.587 χ^2/NDF:27.5/26

All: 333.041+/-166.470 χ^2/NDF: 49.9/49

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: 977.825+/-0.284 χ^2/NDF:210522.5/6

Left: 977.496+/-0.200 χ^2/NDF: 411946.8/14

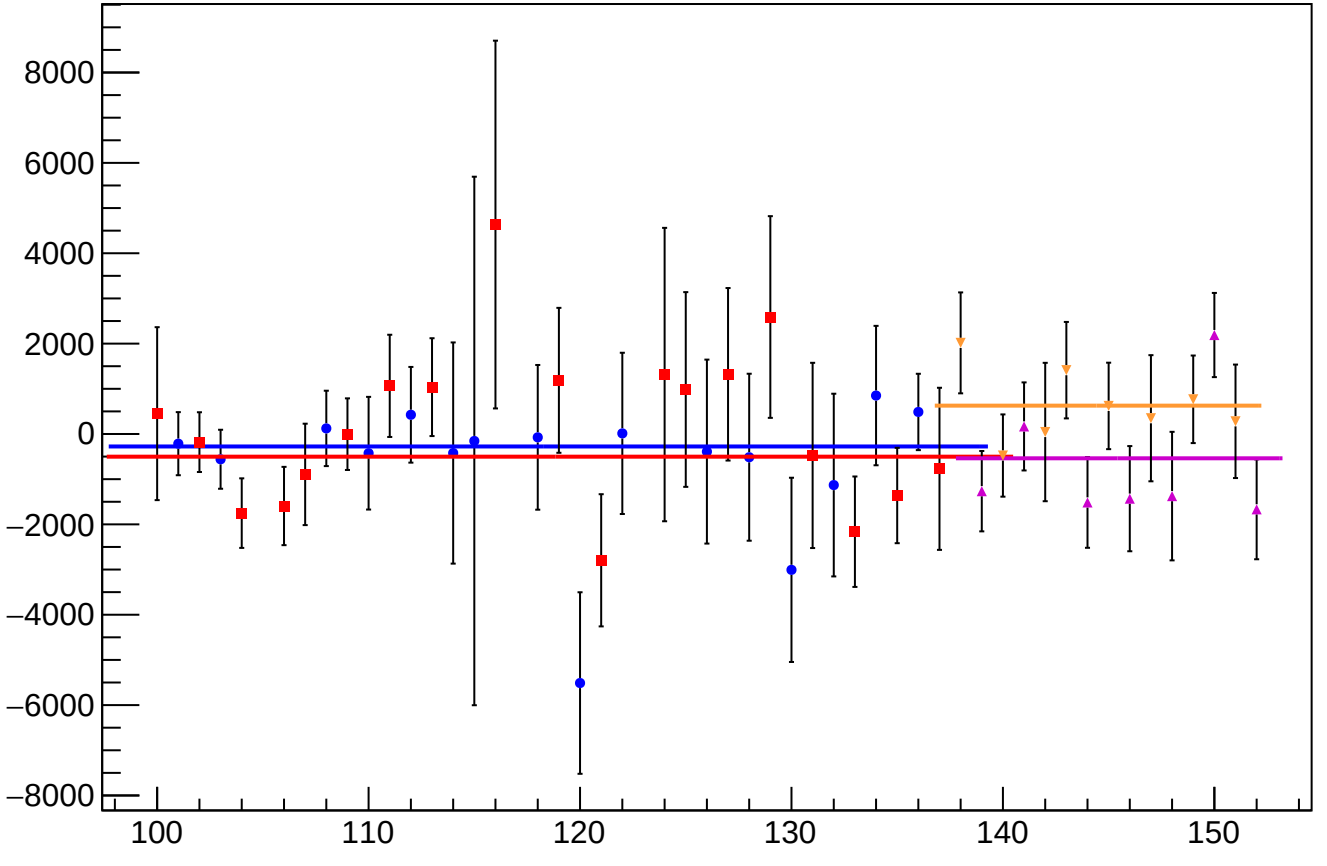
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 846.000+/-0.172 χ^2/NDF:2292013.8/22

Out: 799.870+/-0.162 χ^2/NDF:2560709.4/26

All: 821.535+/-0.118 χ^2/NDF: 4890975.3/49

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: -538.090+/-391.836 χ^2/NDF:12.7/6

Left: 49.293+/-275.965 χ^2/NDF: 21.0/14

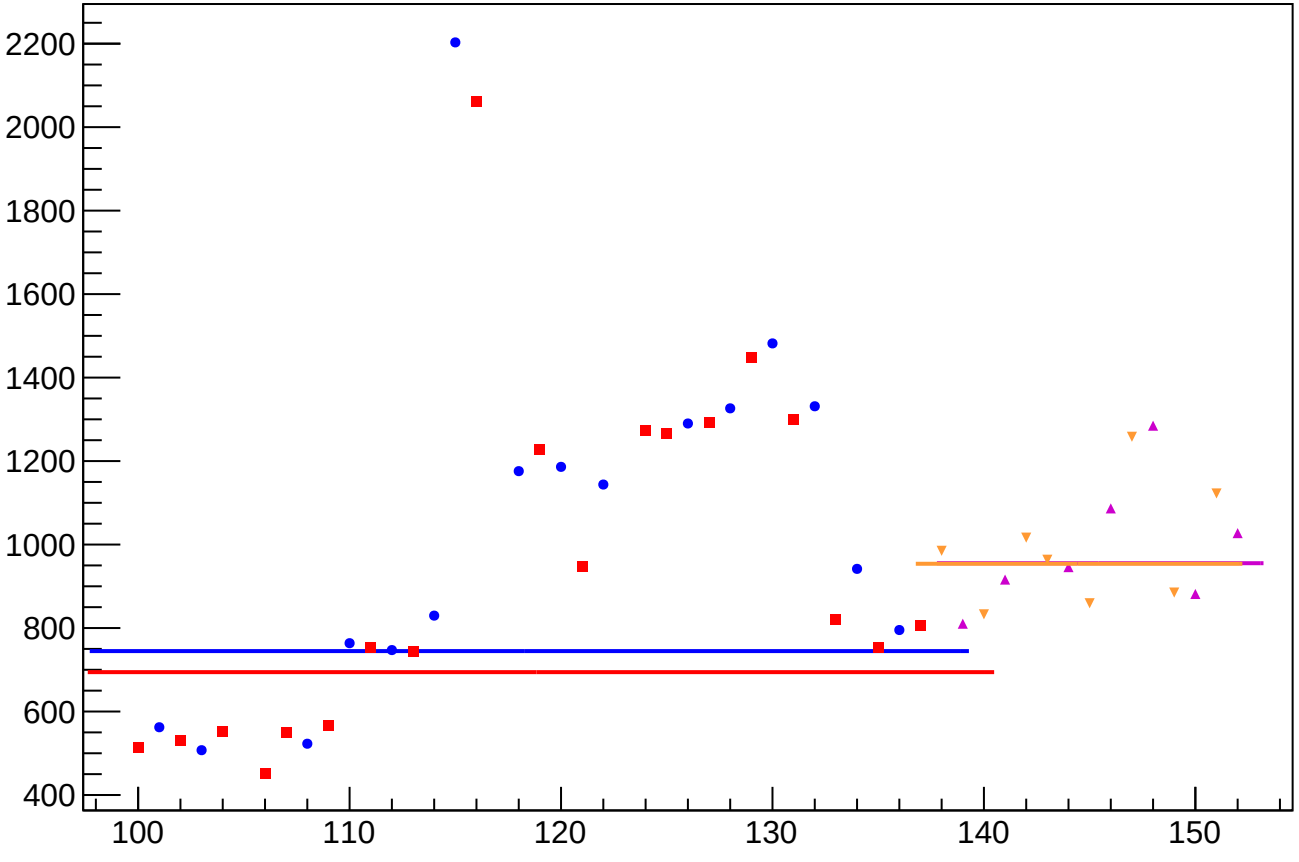
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -371.640+/-236.544 χ^2/NDF:24.0/22

Out: -128.965+/-223.405 χ^2/NDF:30.0/26

All: -243.376+/-162.417 χ^2/NDF: 54.6/49

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: 955.327+/-0.277 χ^2/NDF:210336.2/6

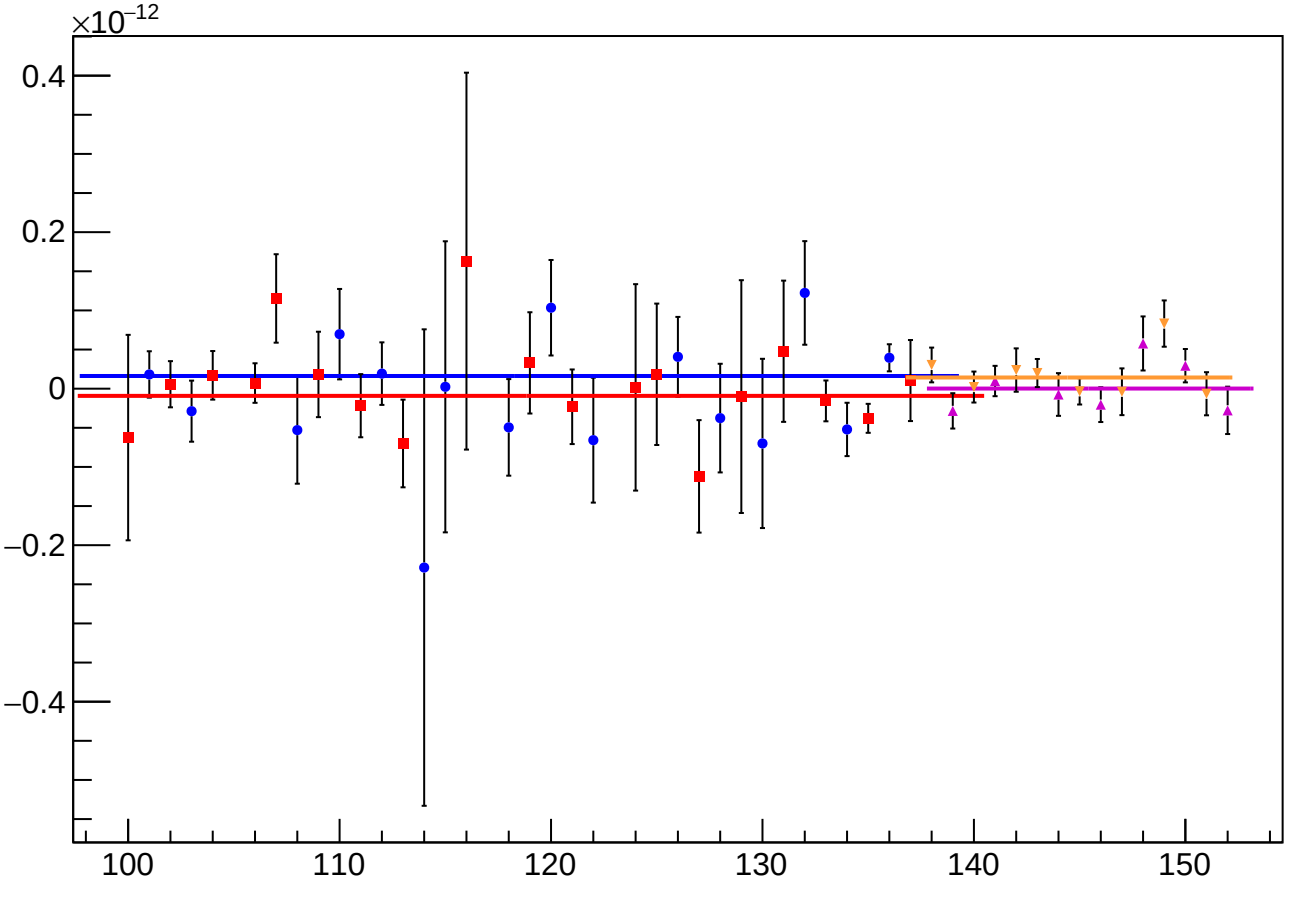
Left: 954.651+/-0.195 χ^2/NDF: 411529.3/14

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 821.511+/-0.167 χ^2/NDF:2399894.9/22

Out: 780.102+/-0.158 χ^2/NDF:2602448.7/26

All: 799.625+/-0.115 χ^2/NDF: 5034738.7/49



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:8.3/6

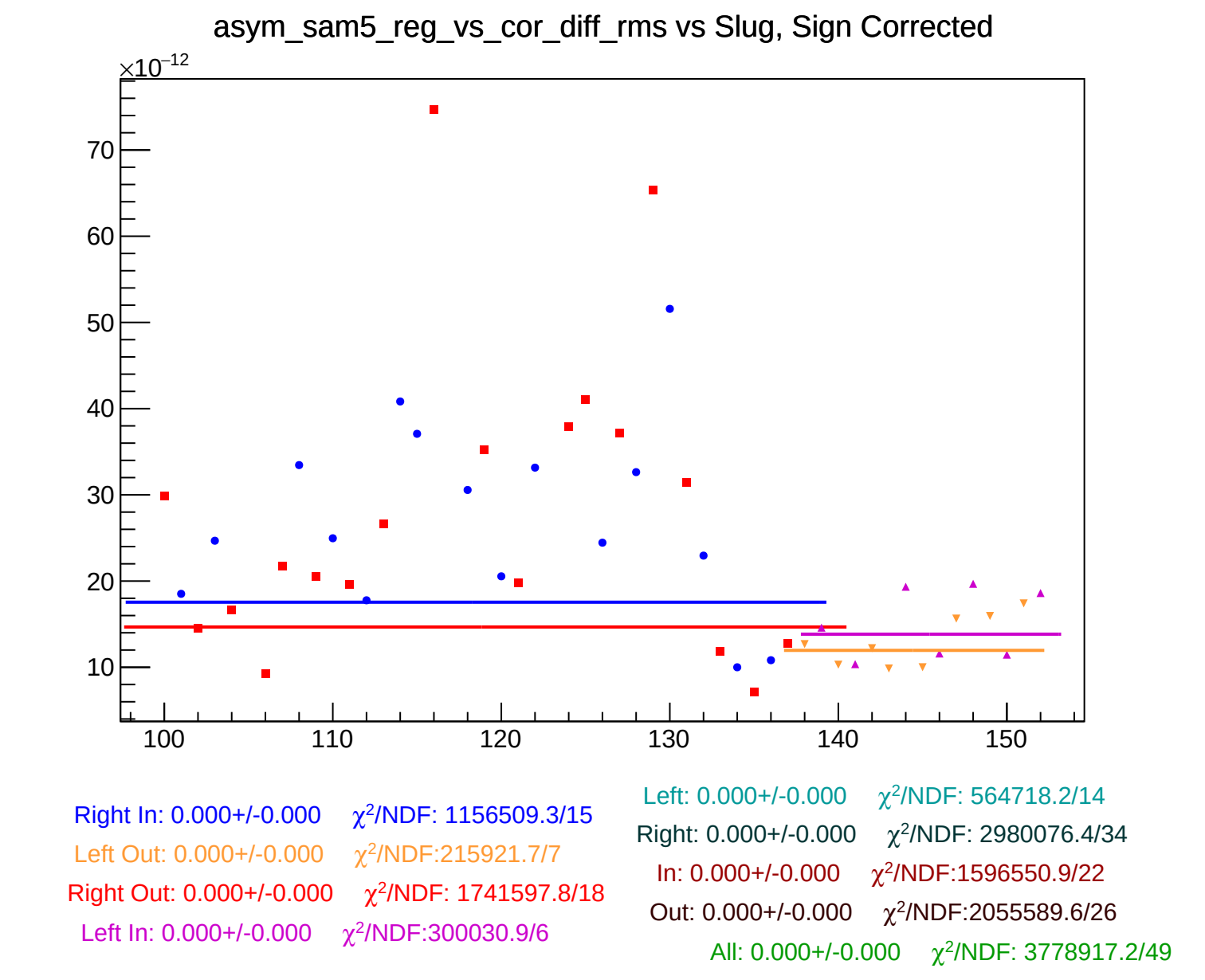
Left: 0.000+/-0.000 χ^2/NDF: 18.3/14

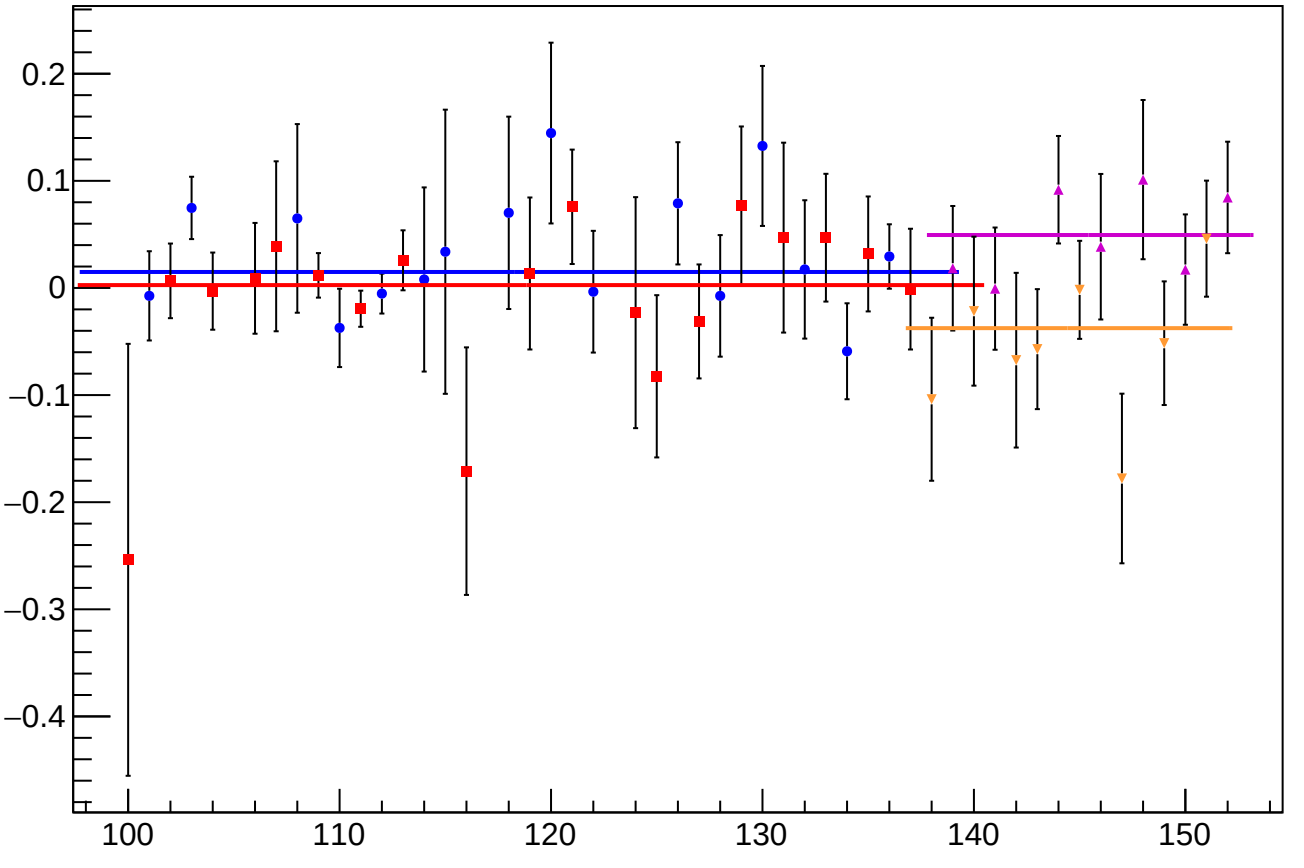
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:27.6/22

Out: 0.000+/-0.000 χ^2/NDF:26.4/26

All: 0.000+/-0.000 χ^2/NDF: 54.0/49


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:300030.9/6
Left: 0.000+/-0.000 χ²/NDF: 564718.2/14
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1596550.9/22
Out: 0.000+/-0.000 χ²/NDF:2055589.6/26
All: 0.000+/-0.000 χ²/NDF: 3778917.2/49



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: 0.049+/-0.022 χ^2/NDF:3.1/6

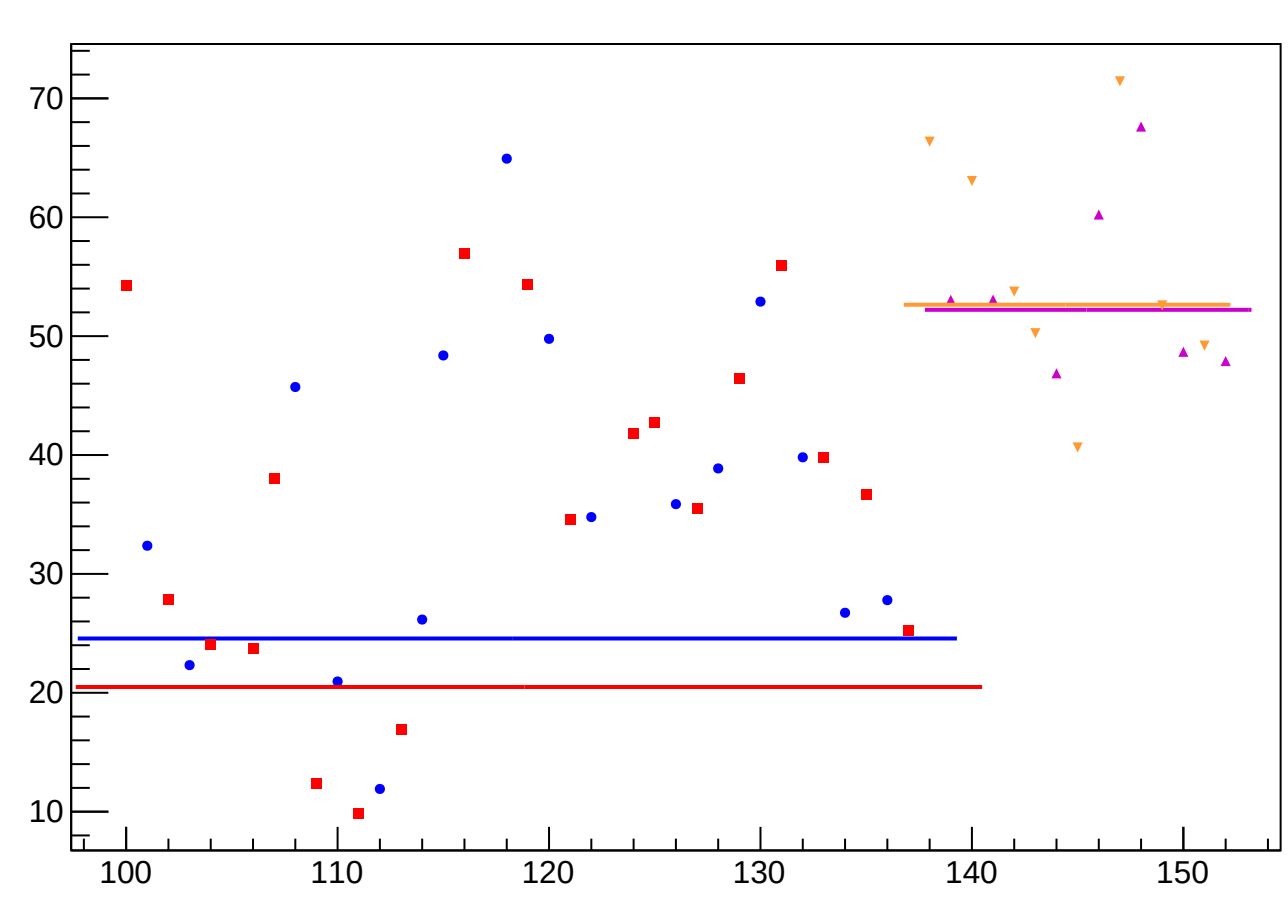
Left: 0.006+/-0.015 χ^2/NDF: 18.5/14

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.022+/-0.010 χ^2/NDF:23.0/22

Out: -0.003+/-0.008 χ^2/NDF:22.6/26

All: 0.008+/-0.006 χ^2/NDF: 49.5/49



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: 52.214+/-0.015 χ^2/NDF:160489.4/6

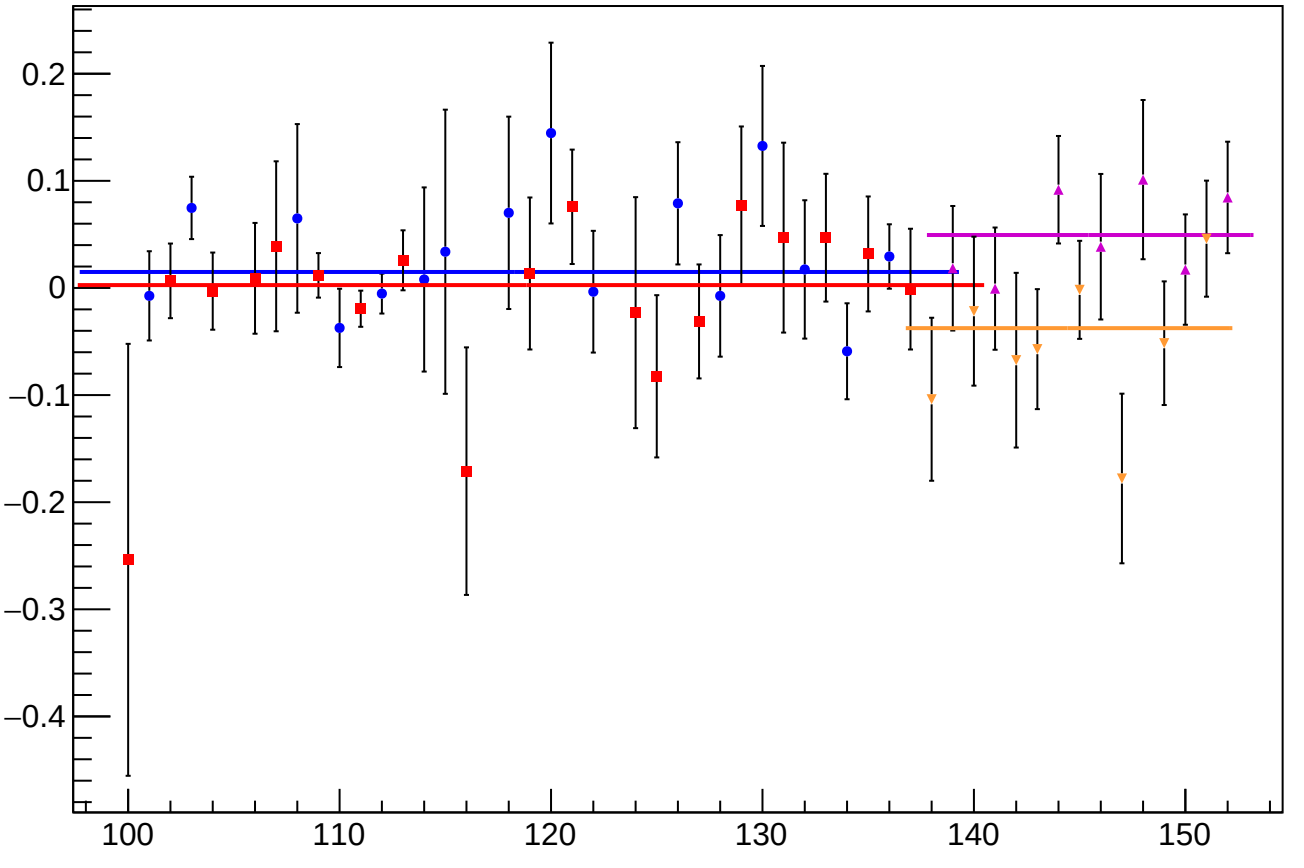
Left: 52.428+/-0.011 χ^2/NDF: 532988.9/14

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 29.922+/-0.007 χ^2/NDF:5287371.3/22

Out: 25.416+/-0.006 χ^2/NDF:7679607.5/26

All: 27.416+/-0.004 χ^2/NDF: 13216962.9/49



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: 0.049+/-0.022 χ^2/NDF:3.1/6

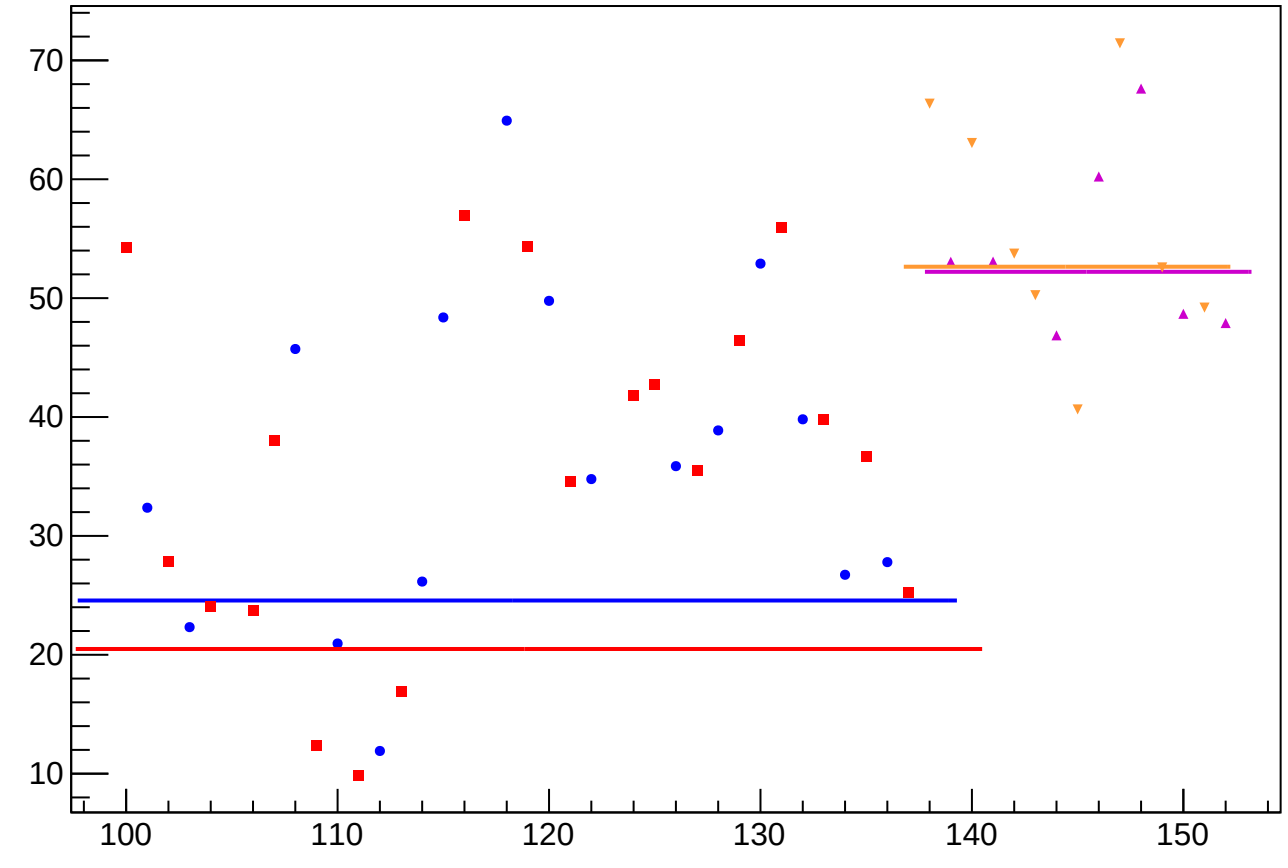
Left: 0.006+/-0.015 χ^2/NDF: 18.5/14

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.022+/-0.010 χ^2/NDF:23.0/22

Out: -0.003+/-0.008 χ^2/NDF:22.6/26

All: 0.008+/-0.006 χ^2/NDF: 49.5/49



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: 52.214+/-0.015 χ^2/NDF:160489.4/6

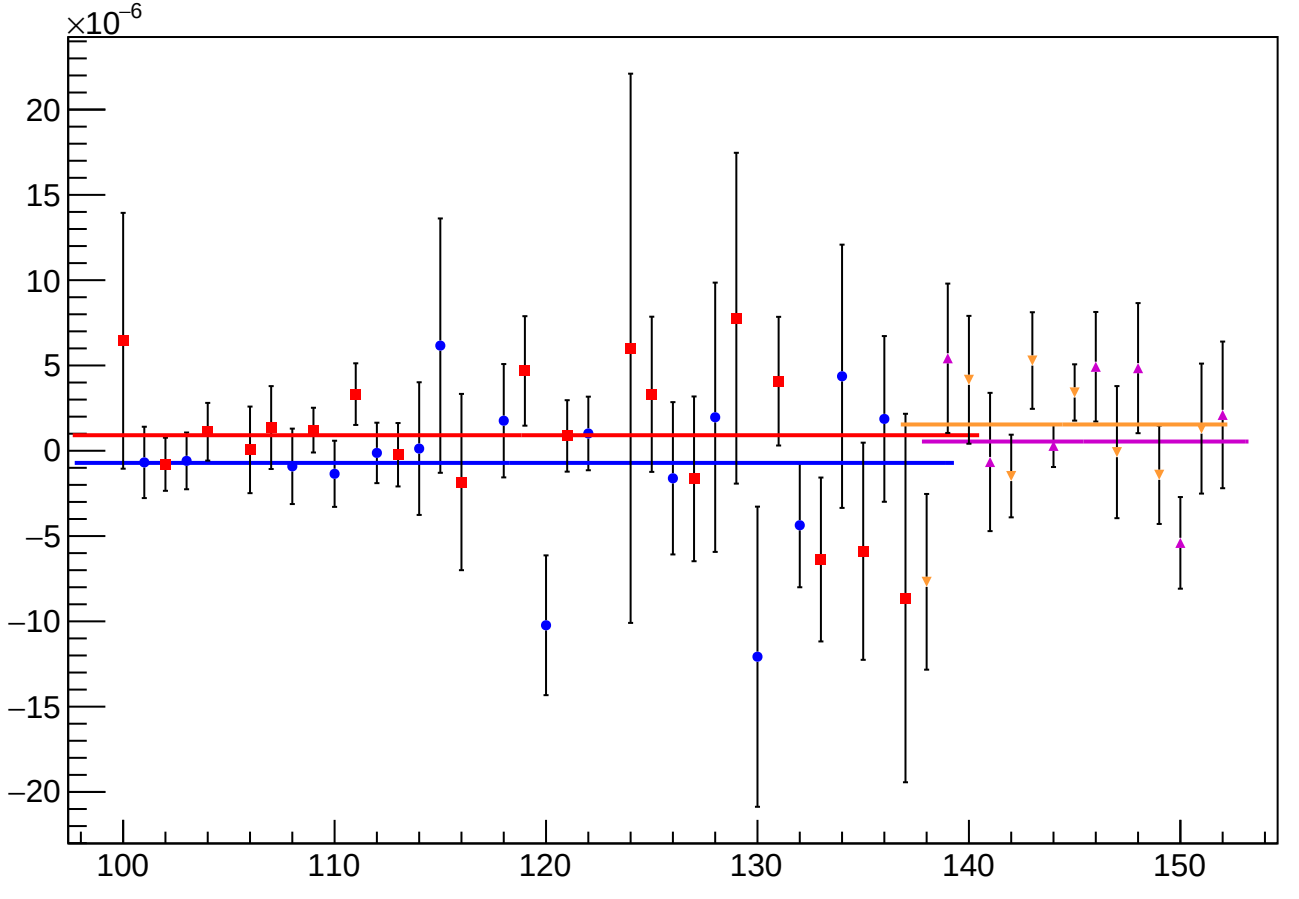
Left: 52.428+/-0.011 χ^2/NDF: 532988.9/14

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 29.922+/-0.007 χ^2/NDF:5287371.3/22

Out: 25.416+/-0.006 χ^2/NDF:7679607.5/26

All: 27.416+/-0.004 χ^2/NDF: 13216962.9/49



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:9.5/6

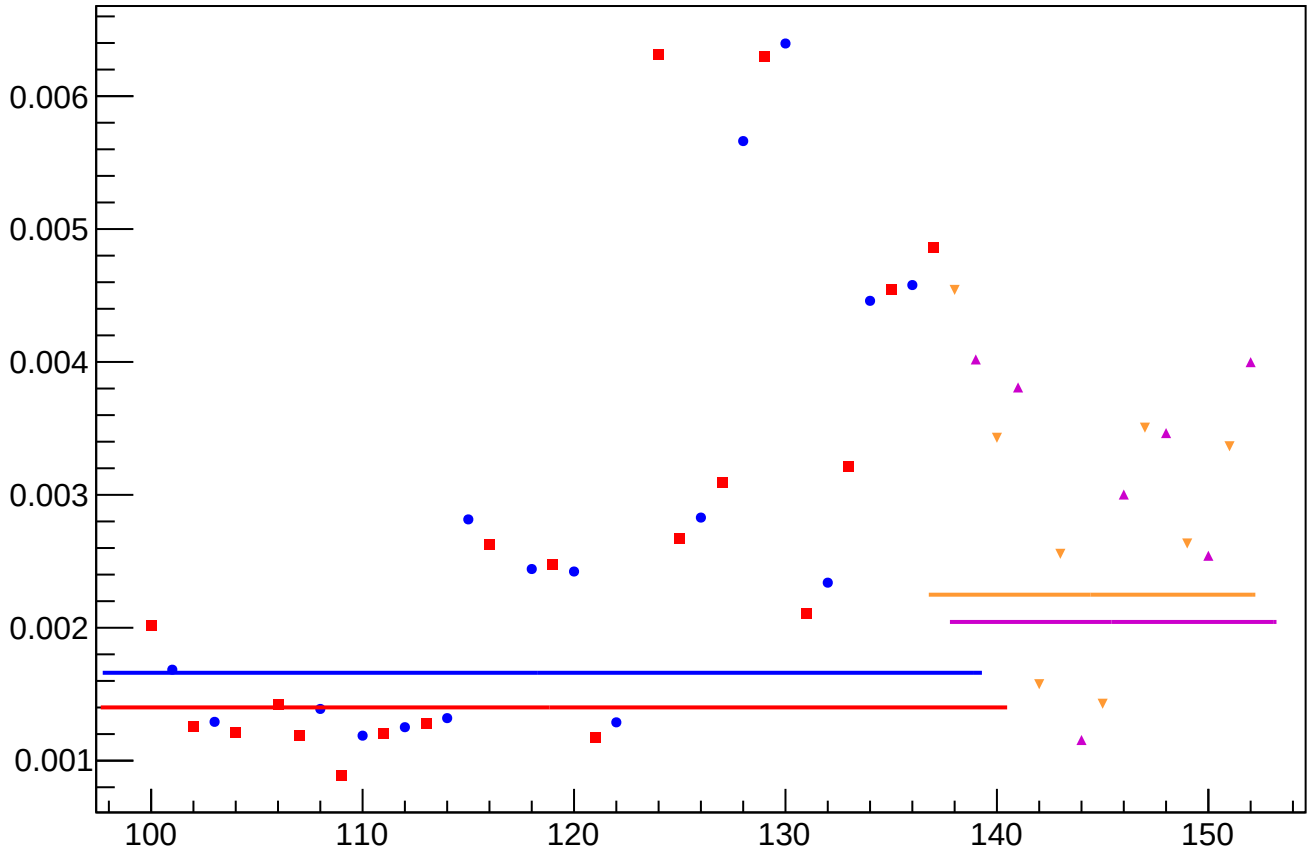
Left: 0.000+/-0.000 χ^2/NDF: 19.6/14

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:21.9/22

Out: 0.000+/-0.000 χ^2/NDF:21.7/26

All: 0.000+/-0.000 χ^2/NDF: 46.8/49



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:2748269.3/6

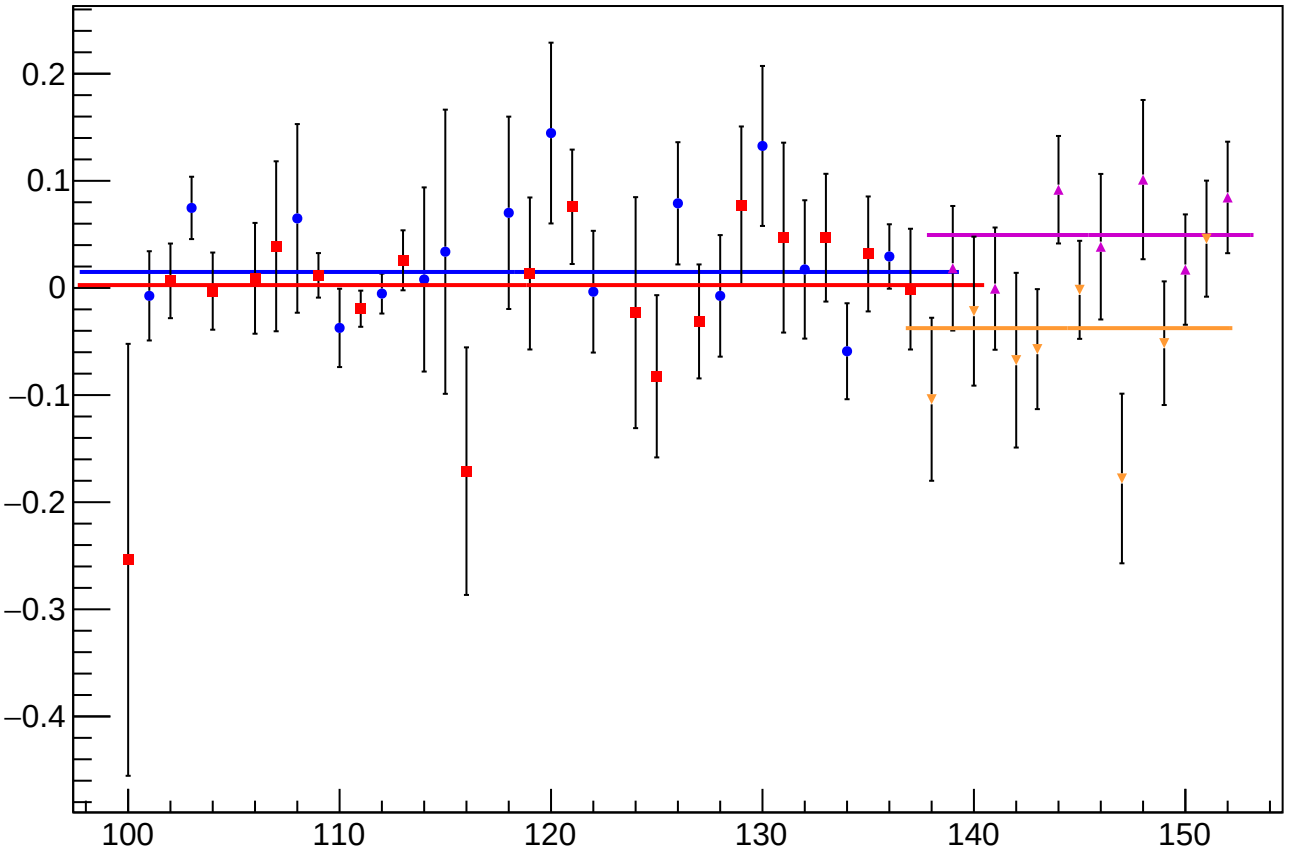
Left: 0.002+/-0.000 χ^2/NDF: 4479058.8/14

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:5902002.4/22

Out: 0.002+/-0.000 χ^2/NDF:5692206.2/26

All: 0.002+/-0.000 χ^2/NDF: 11700335.0/49



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: 0.049+/-0.022 χ^2/NDF:3.1/6

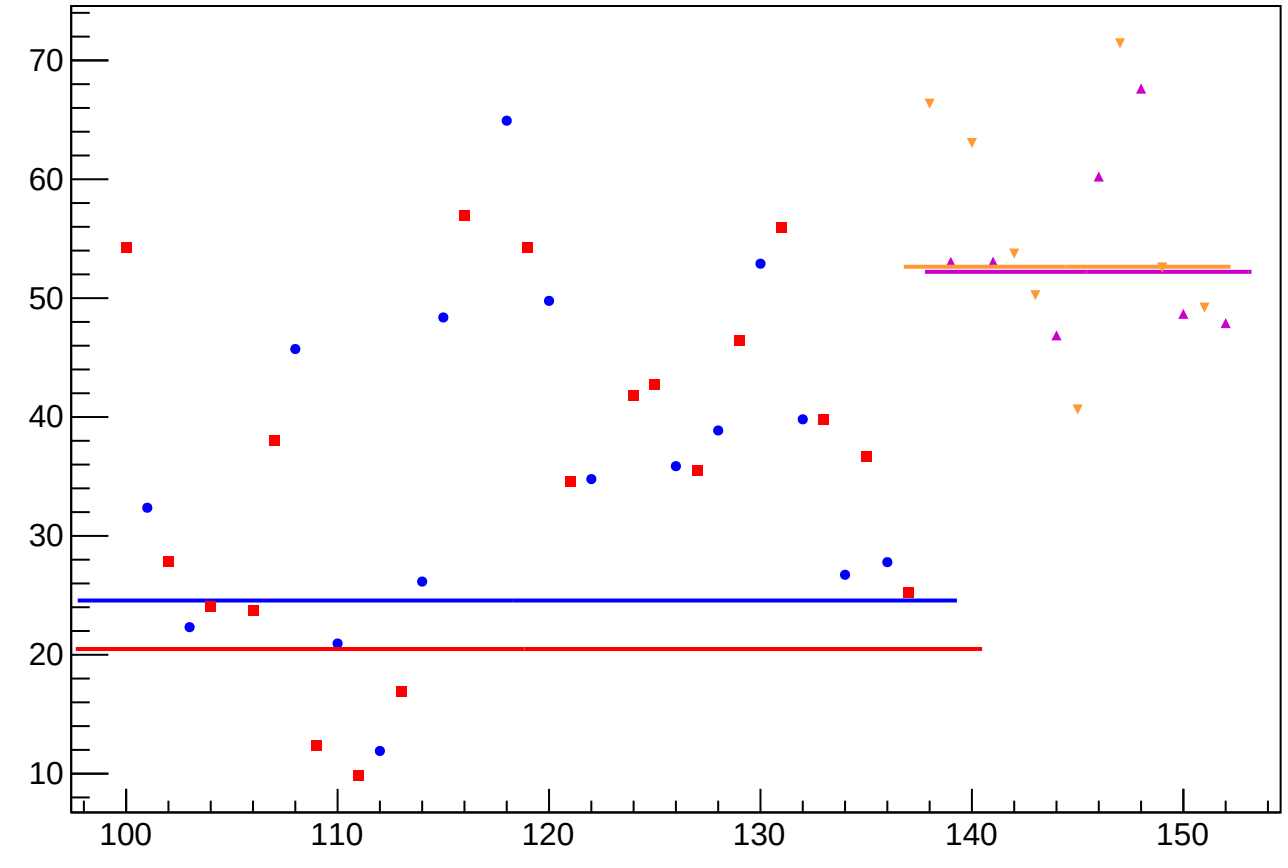
Left: 0.006+/-0.015 χ^2/NDF: 18.5/14

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.022+/-0.010 χ^2/NDF:23.0/22

Out: -0.003+/-0.008 χ^2/NDF:22.6/26

All: 0.008+/-0.006 χ^2/NDF: 49.4/49



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: 52.215+/-0.015 χ^2/NDF:160520.5/6

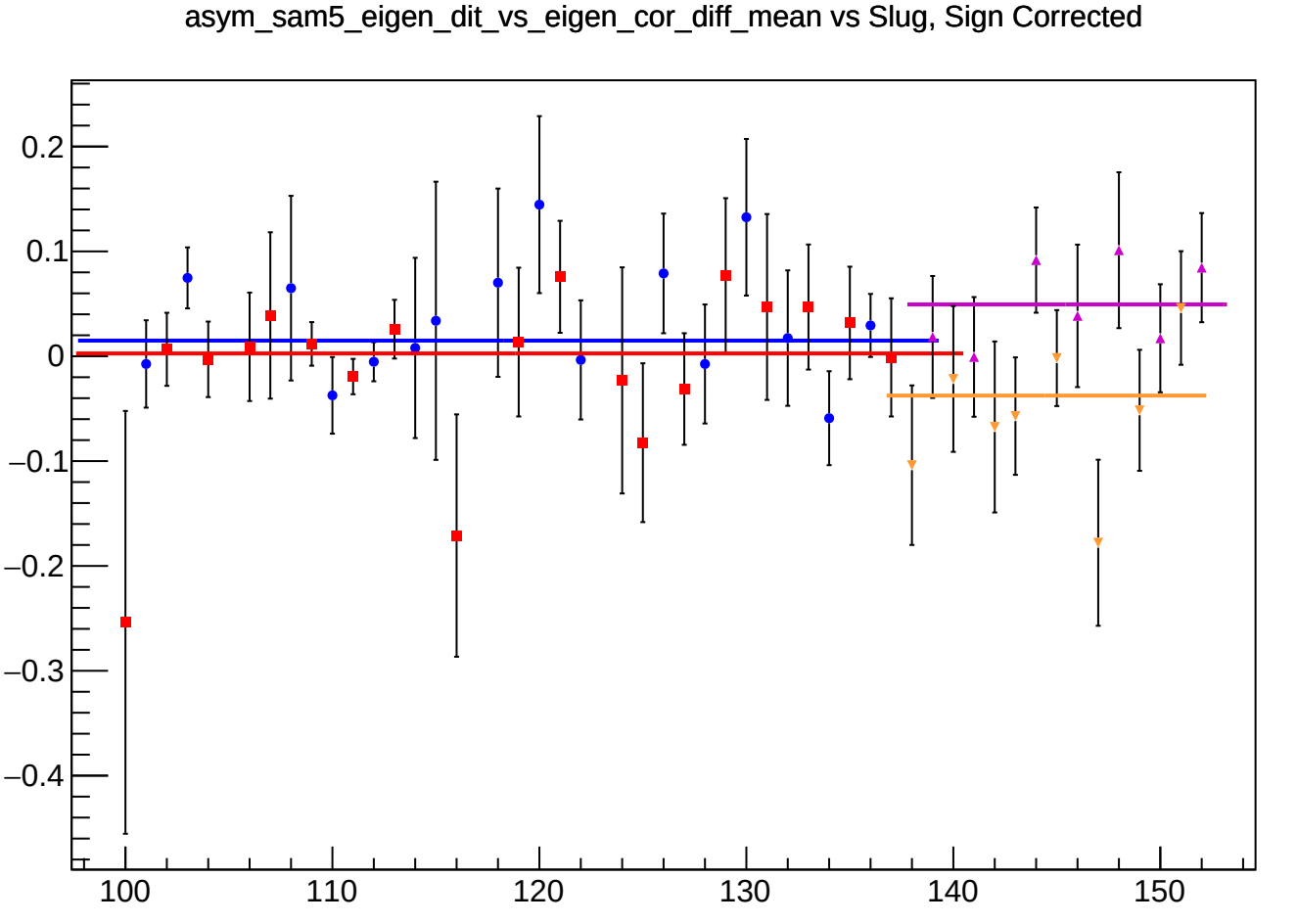
Left: 52.428+/-0.011 χ^2/NDF: 533076.6/14

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 29.922+/-0.007 χ^2/NDF:5287519.9/22

Out: 25.416+/-0.006 χ^2/NDF:7679789.9/26

All: 27.415+/-0.004 χ^2/NDF: 13217310.3/49



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: 0.049+/-0.022 χ^2/NDF:3.1/6

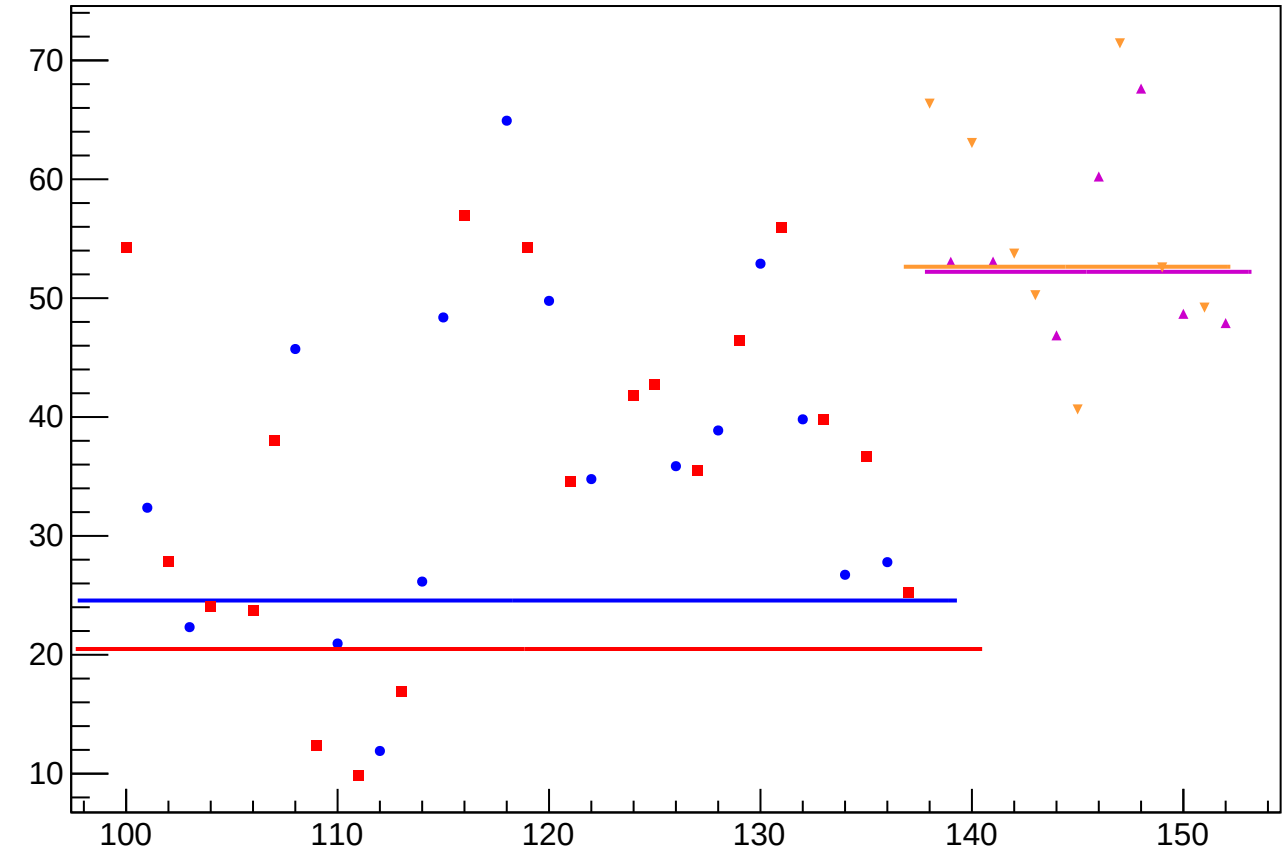
Left: 0.006+/-0.015 χ^2/NDF: 18.5/14

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.022+/-0.010 χ^2/NDF:23.0/22

Out: -0.003+/-0.008 χ^2/NDF:22.6/26

All: 0.008+/-0.006 χ^2/NDF: 49.4/49



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: 52.215+/-0.015 χ^2/NDF:160520.5/6

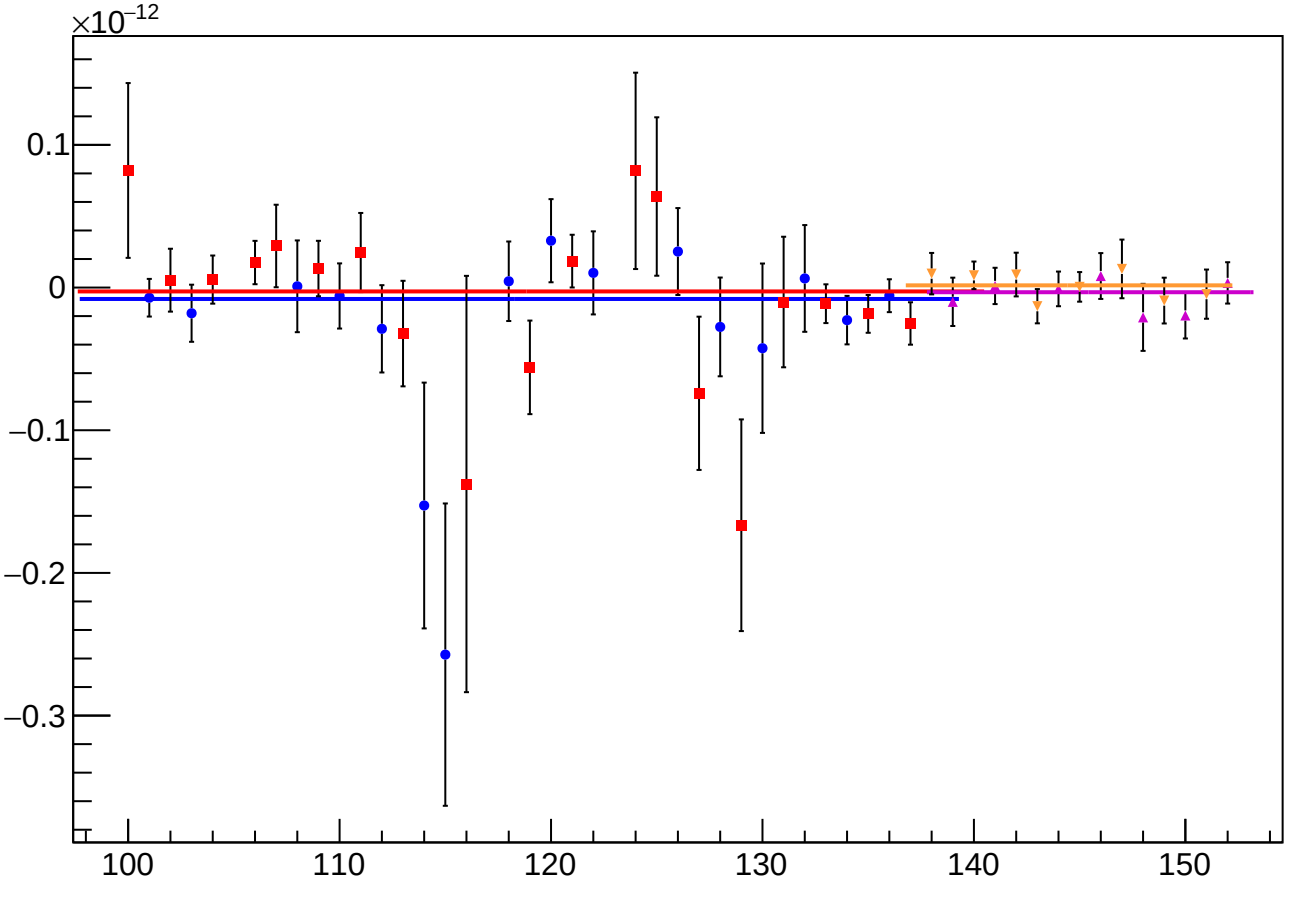
Left: 52.428+/-0.011 χ^2/NDF: 533076.6/14

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 29.922+/-0.007 χ^2/NDF:5287519.9/22

Out: 25.416+/-0.006 χ^2/NDF:7679789.9/26

All: 27.415+/-0.004 χ^2/NDF: 13217310.3/49



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:2.6/6

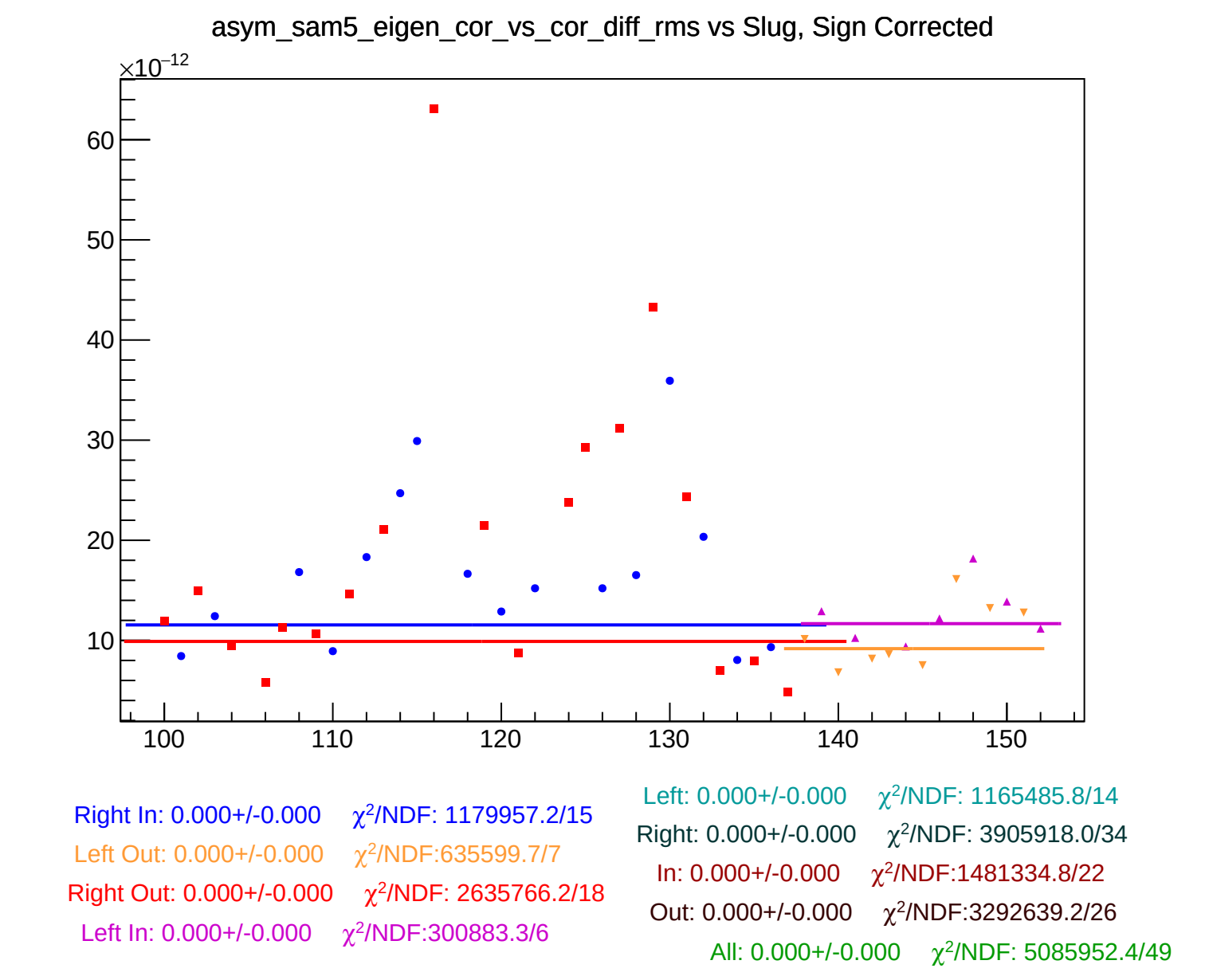
Left: -0.000+/-0.000 χ^2/NDF: 6.5/14

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

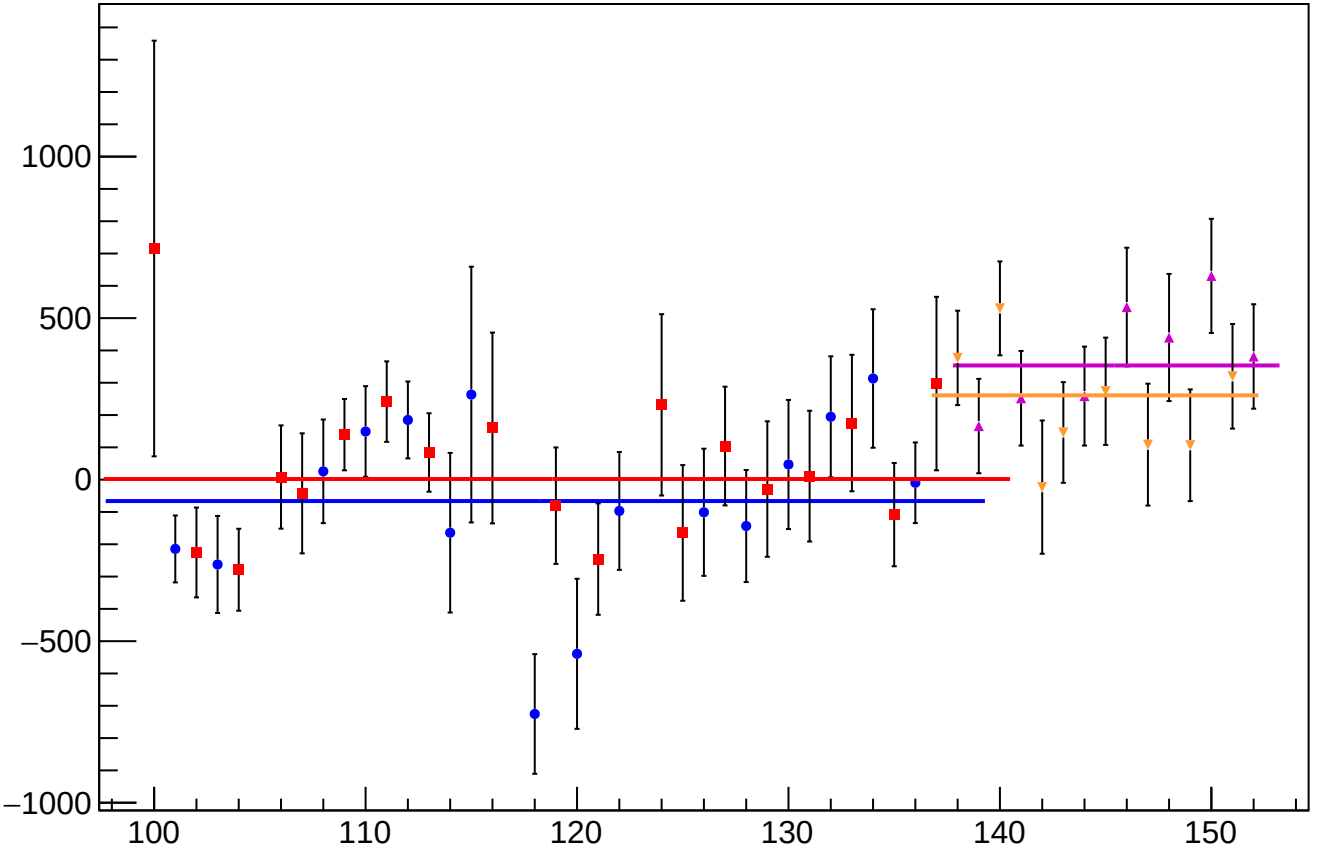
In: -0.000+/-0.000 χ^2/NDF:17.5/22

Out: -0.000+/-0.000 χ^2/NDF:29.9/26

All: -0.000+/-0.000 χ^2/NDF: 48.4/49


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:635599.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:300883.3/6
Left: 0.000+/-0.000 χ²/NDF: 1165485.8/14
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1481334.8/22
Out: 0.000+/-0.000 χ²/NDF:3292639.2/26
All: 0.000+/-0.000 χ²/NDF: 5085952.4/49

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: 353.489+/-61.806 χ^2/NDF:6.2/6

Left: 304.525+/-42.389 χ^2/NDF: 15.4/14

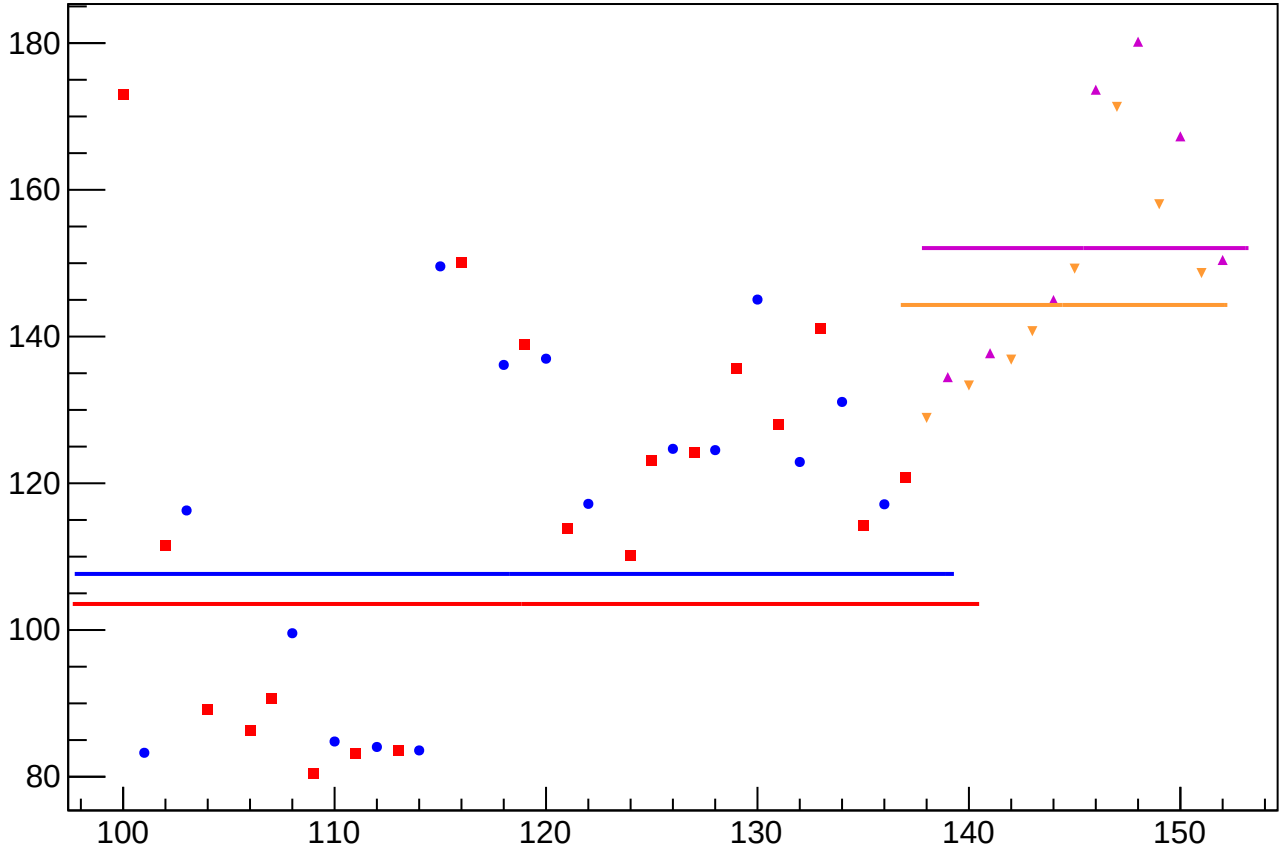
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 61.755+/-34.130 χ^2/NDF:72.6/22

Out: 81.819+/-32.330 χ^2/NDF:42.9/26

All: 72.330+/-23.471 χ^2/NDF: 115.7/49

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: 152.060+/-0.044 χ^2/NDF:135931.6/6

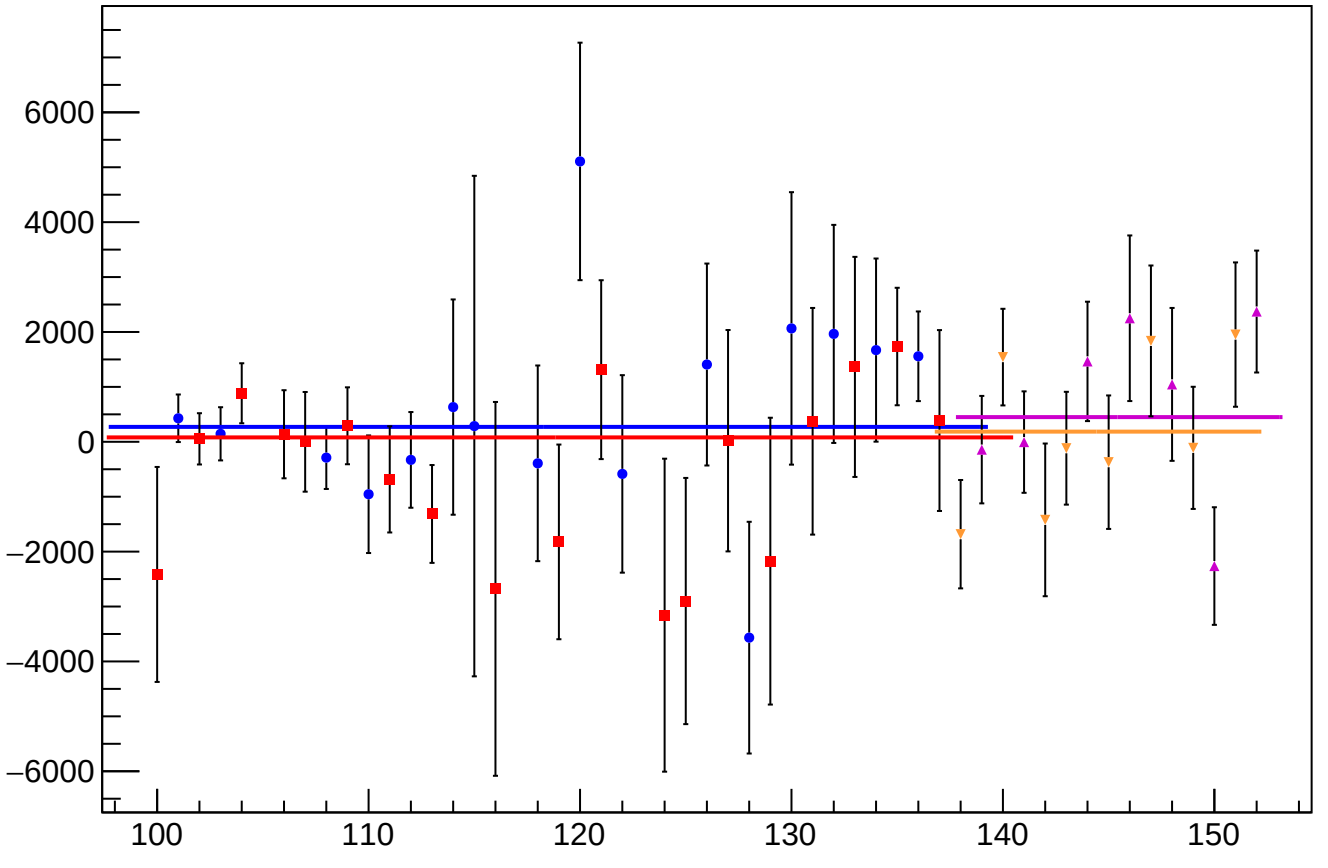
Left: 147.954+/-0.030 χ^2/NDF: 246658.7/14

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 121.188+/-0.024 χ^2/NDF:1386667.2/22

Out: 116.107+/-0.023 χ^2/NDF:1389002.3/26

All: 118.510+/-0.017 χ^2/NDF: 2799034.2/49



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: 449.753+/-418.832 χ^2/NDF:12.5/6

Left: 310.158+/-287.748 χ^2/NDF: 23.6/14

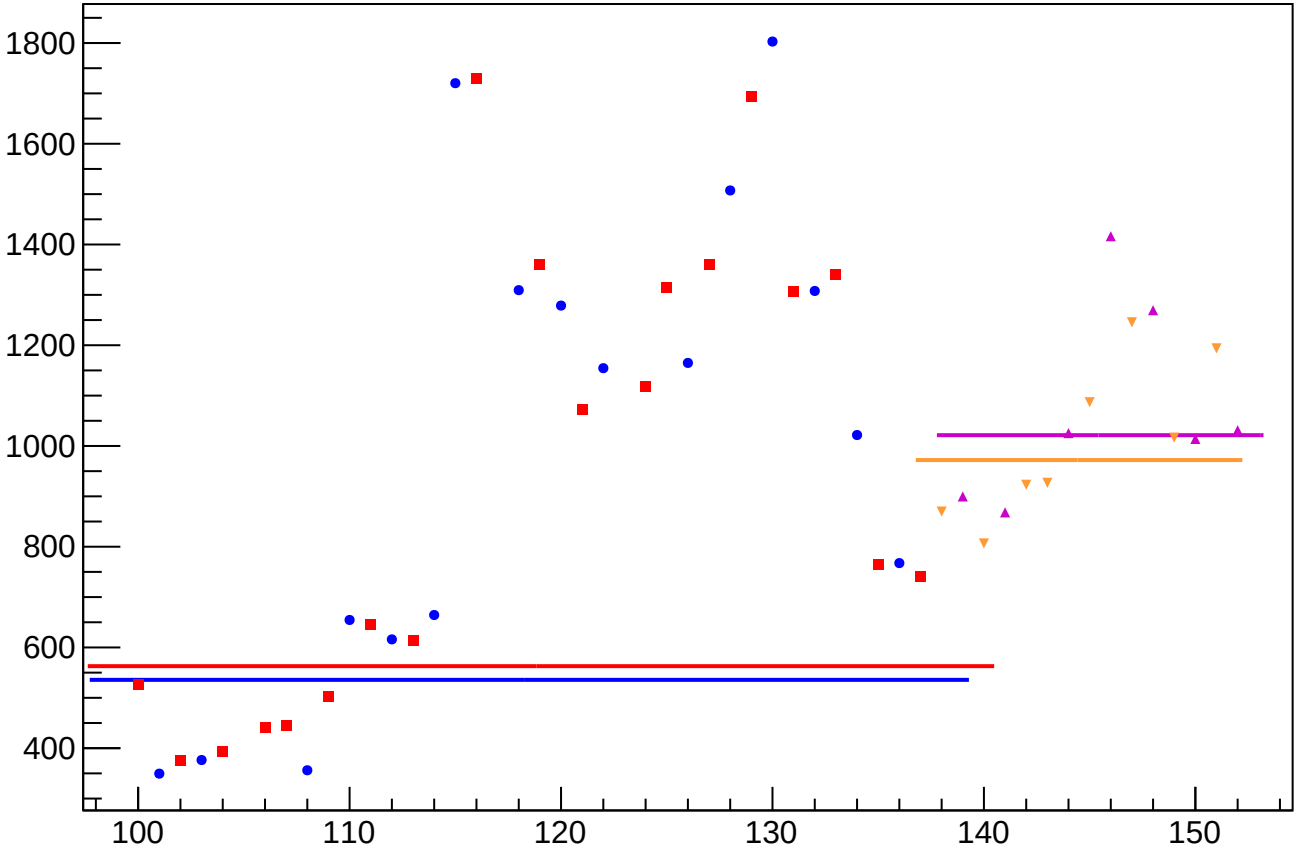
Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 312.986+/-202.048 χ^2/NDF:29.1/22

Out: 107.021+/-200.276 χ^2/NDF:27.0/26

All: 209.096+/-142.239 χ^2/NDF: 56.6/49

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: 1021.451+/-0.296 χ^2/NDF:286988.2/6

Left: 995.372+/-0.203 χ^2/NDF: 557606.1/14

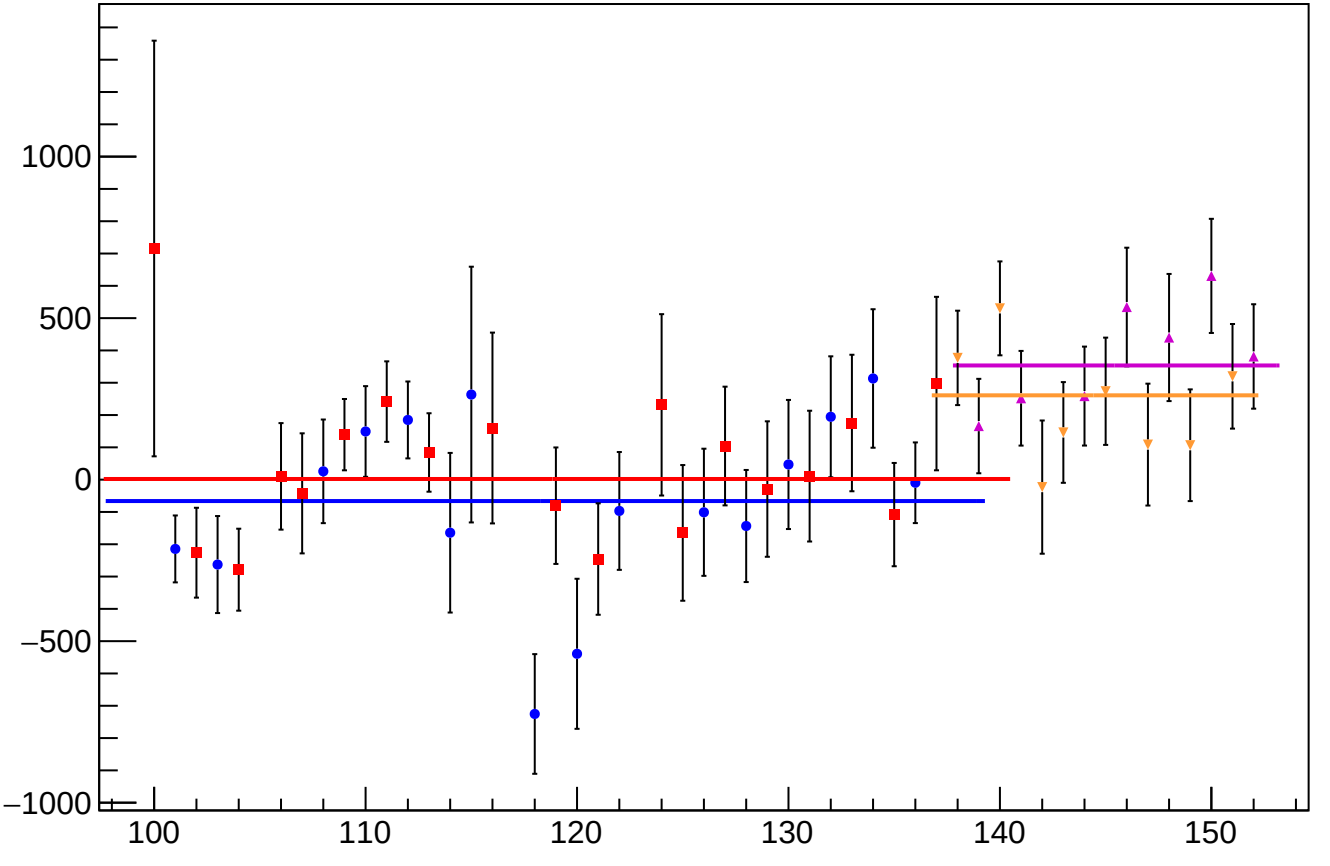
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 648.730+/-0.143 χ^2/NDF:5983630.8/22

Out: 667.512+/-0.142 χ^2/NDF:4956379.7/26

All: 658.204+/-0.101 χ^2/NDF: 10948728.1/49

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: 353.487+/-61.806 χ^2/NDF:6.2/6

Left: 304.527+/-42.389 χ^2/NDF: 15.4/14

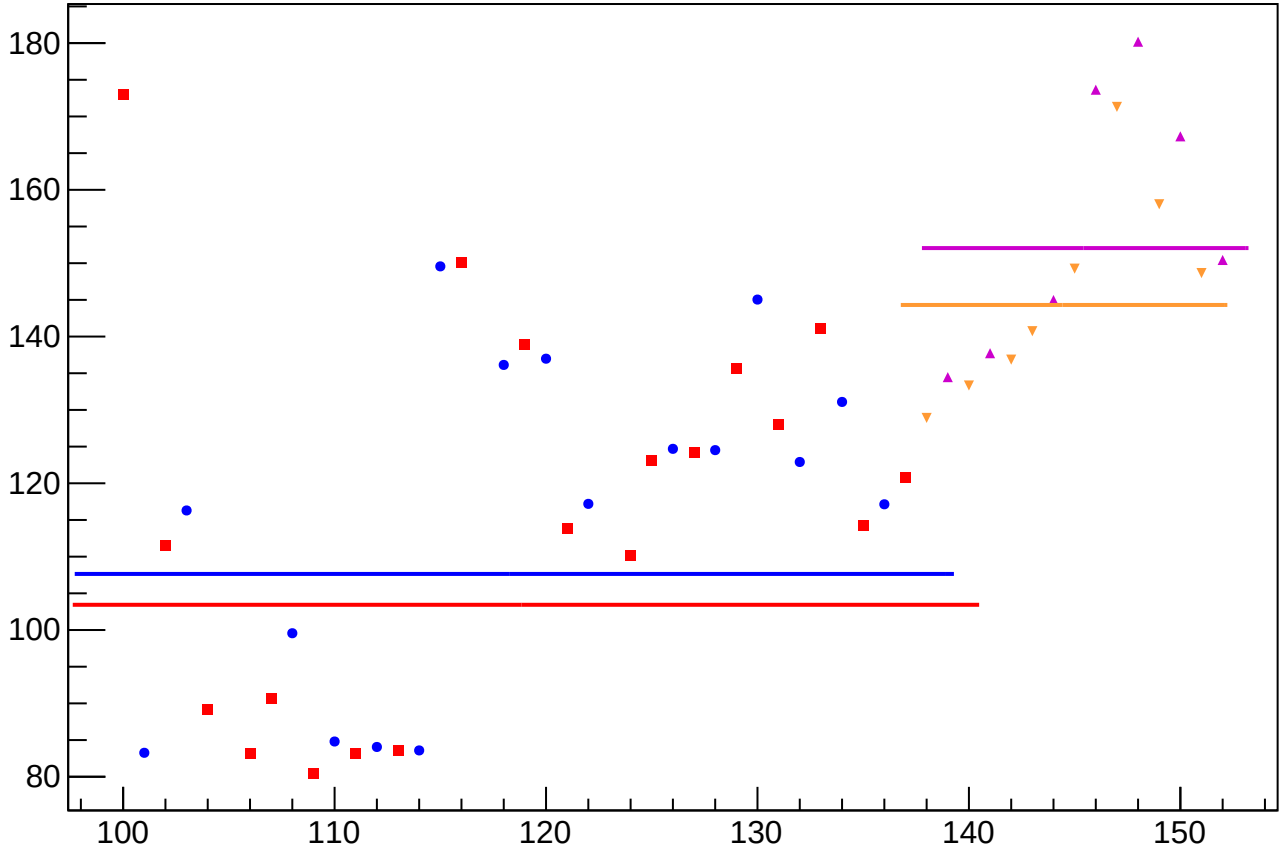
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 61.736+/-34.130 χ^2/NDF:72.6/22

Out: 82.052+/-32.370 χ^2/NDF:42.9/26

All: 72.431+/-23.486 χ^2/NDF: 115.7/49

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: 152.060+/-0.044 χ^2/NDF:135931.6/6

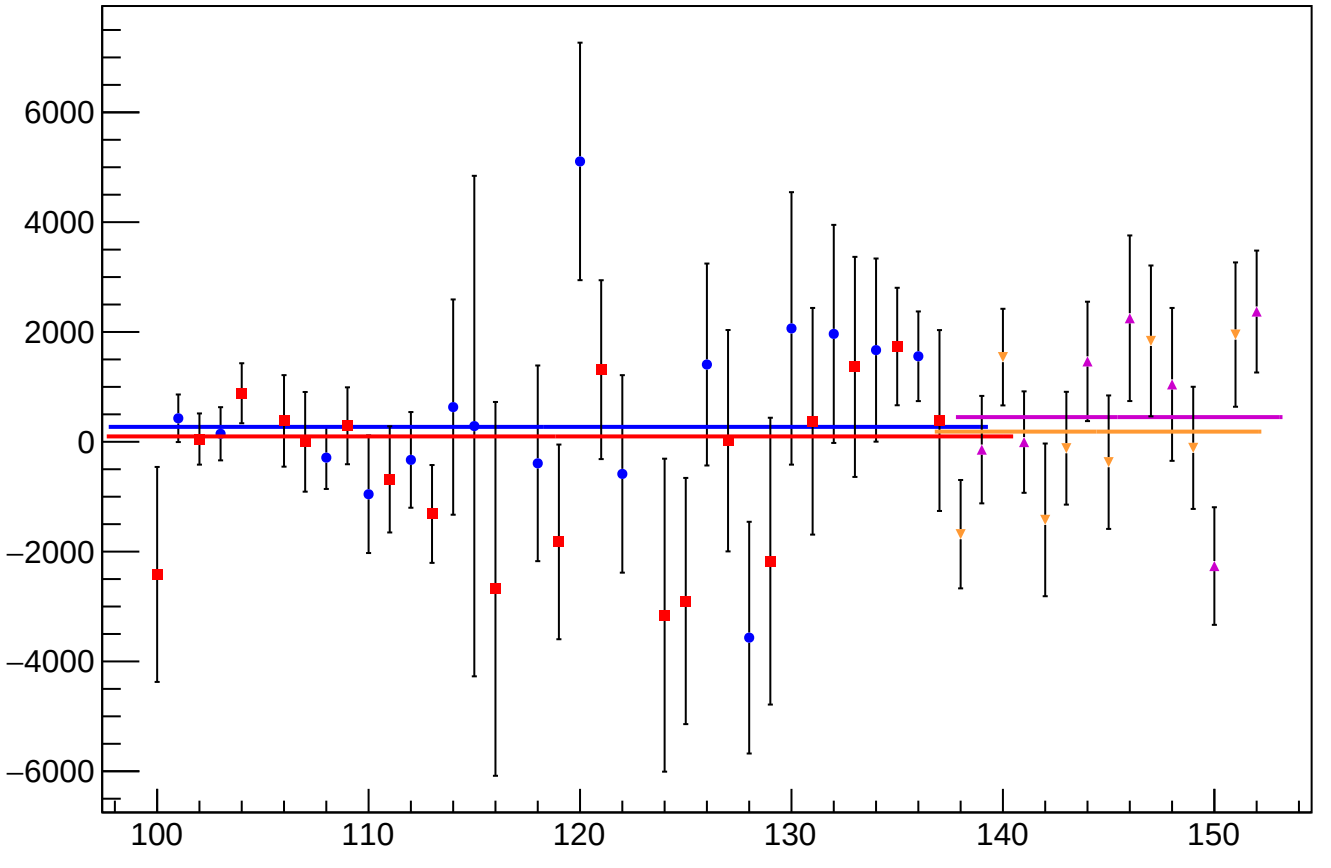
Left: 147.954+/-0.030 χ^2/NDF: 246658.7/14

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 121.188+/-0.024 χ^2/NDF:1386666.5/22

Out: 116.061+/-0.023 χ^2/NDF:1399380.8/26

All: 118.489+/-0.017 χ^2/NDF: 2809810.1/49



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: 449.738+/-418.832 χ^2/NDF:12.5/6

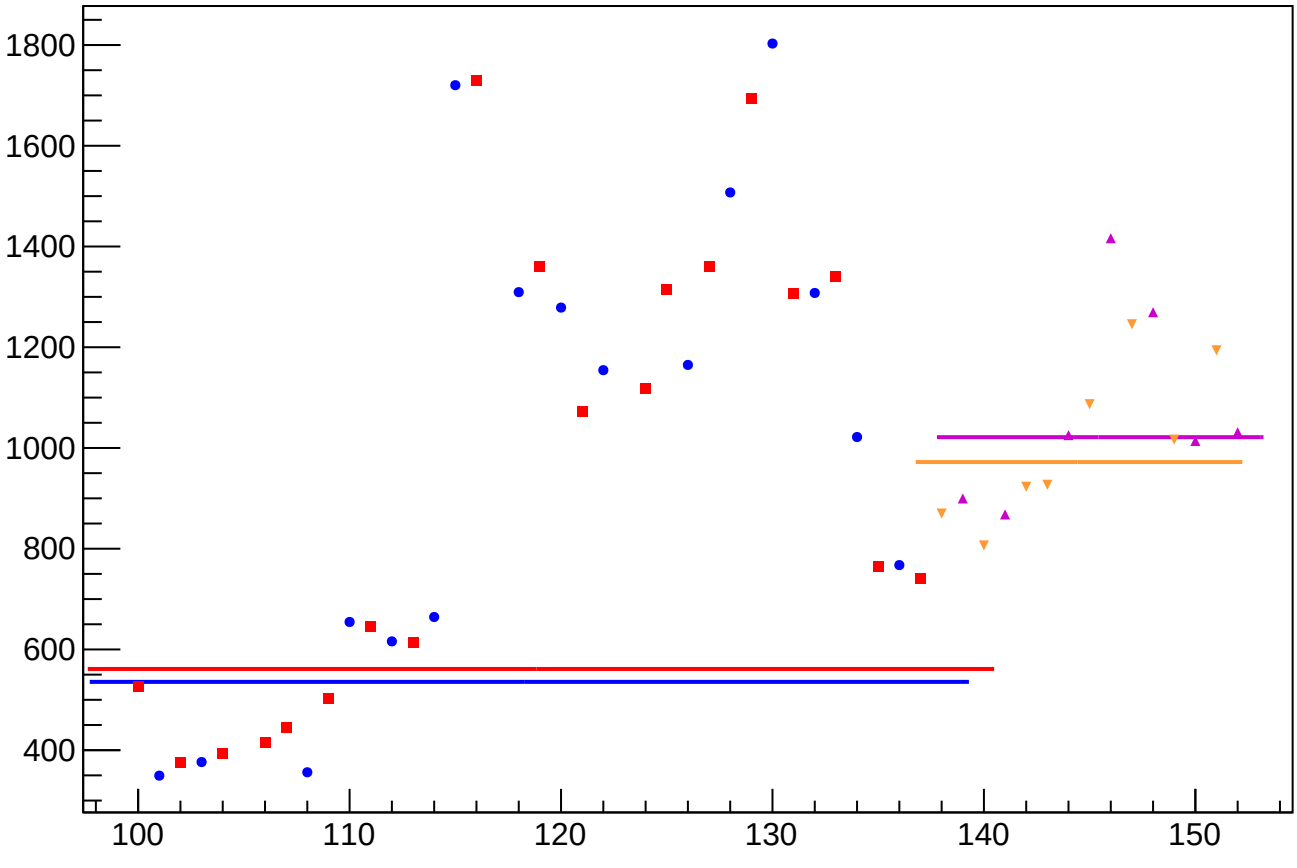
Left: 310.156+/-287.748 χ^2/NDF: 23.6/14

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 313.089+/-202.043 χ^2/NDF:29.1/22

Out: 120.325+/-200.678 χ^2/NDF:27.1/26

All: 216.053+/-142.381 χ^2/NDF: 56.7/49



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: 1021.451+/-0.296 χ^2/NDF:286988.5/6

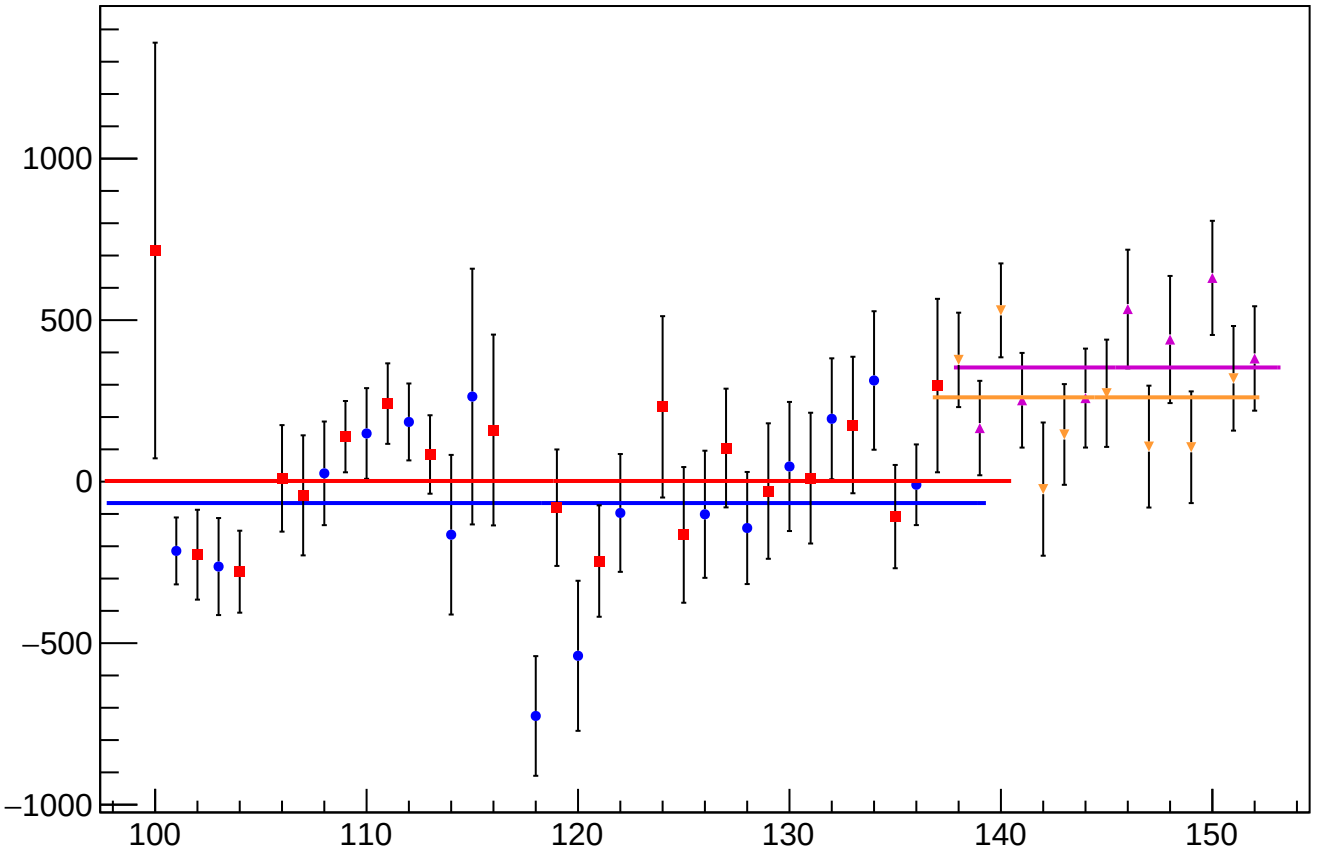
Left: 995.372+/-0.203 χ^2/NDF: 557606.5/14

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 648.708+/-0.143 χ^2/NDF:5984047.2/22

Out: 666.762+/-0.142 χ^2/NDF:4986157.1/26

All: 657.796+/-0.101 χ^2/NDF: 10978243.1/49



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: 353.487+/-61.806 χ^2/NDF:6.2/6

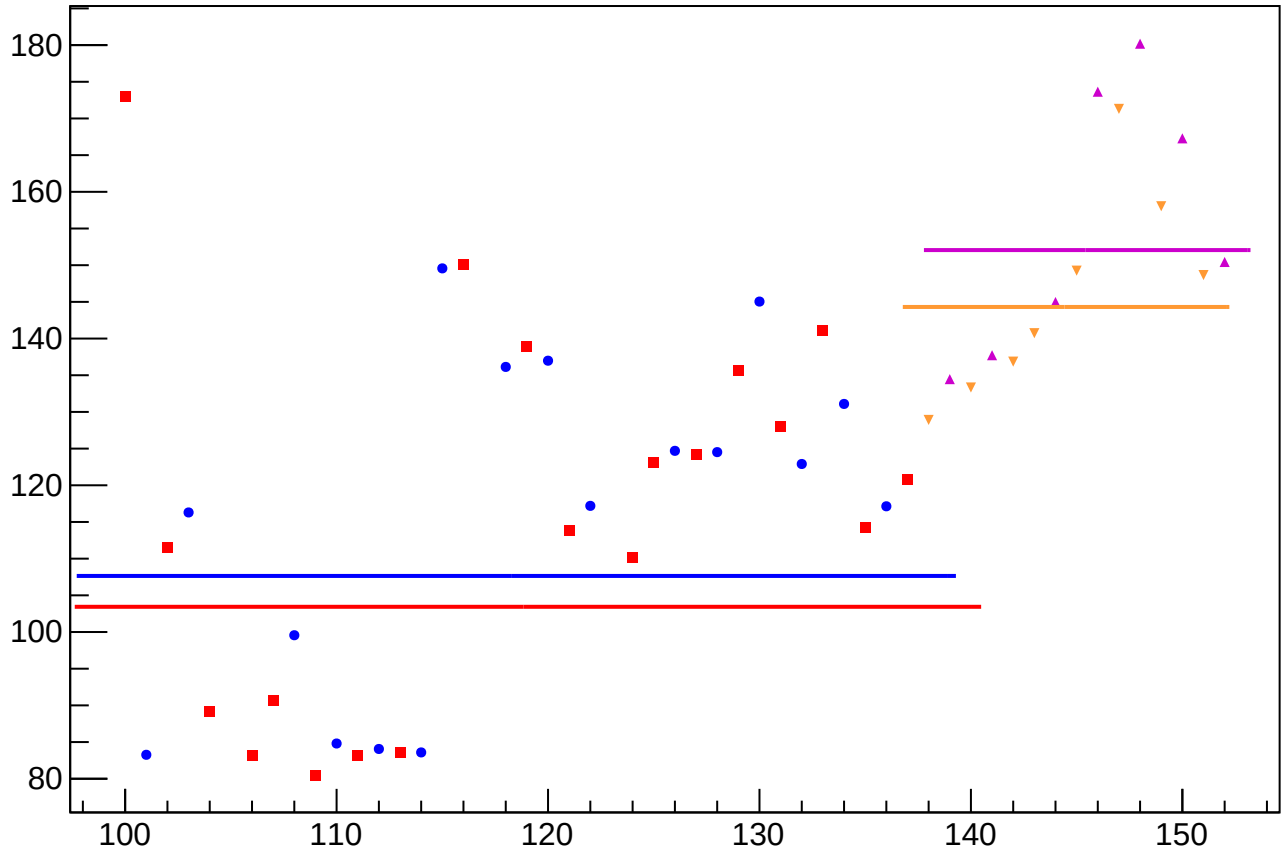
Left: 304.527+/-42.389 χ^2/NDF: 15.4/14

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 61.736+/-34.130 χ^2/NDF:72.6/22

Out: 82.052+/-32.370 χ^2/NDF:42.9/26

All: 72.431+/-23.486 χ^2/NDF: 115.7/49



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: 152.060+/-0.044 χ^2/NDF:135931.6/6

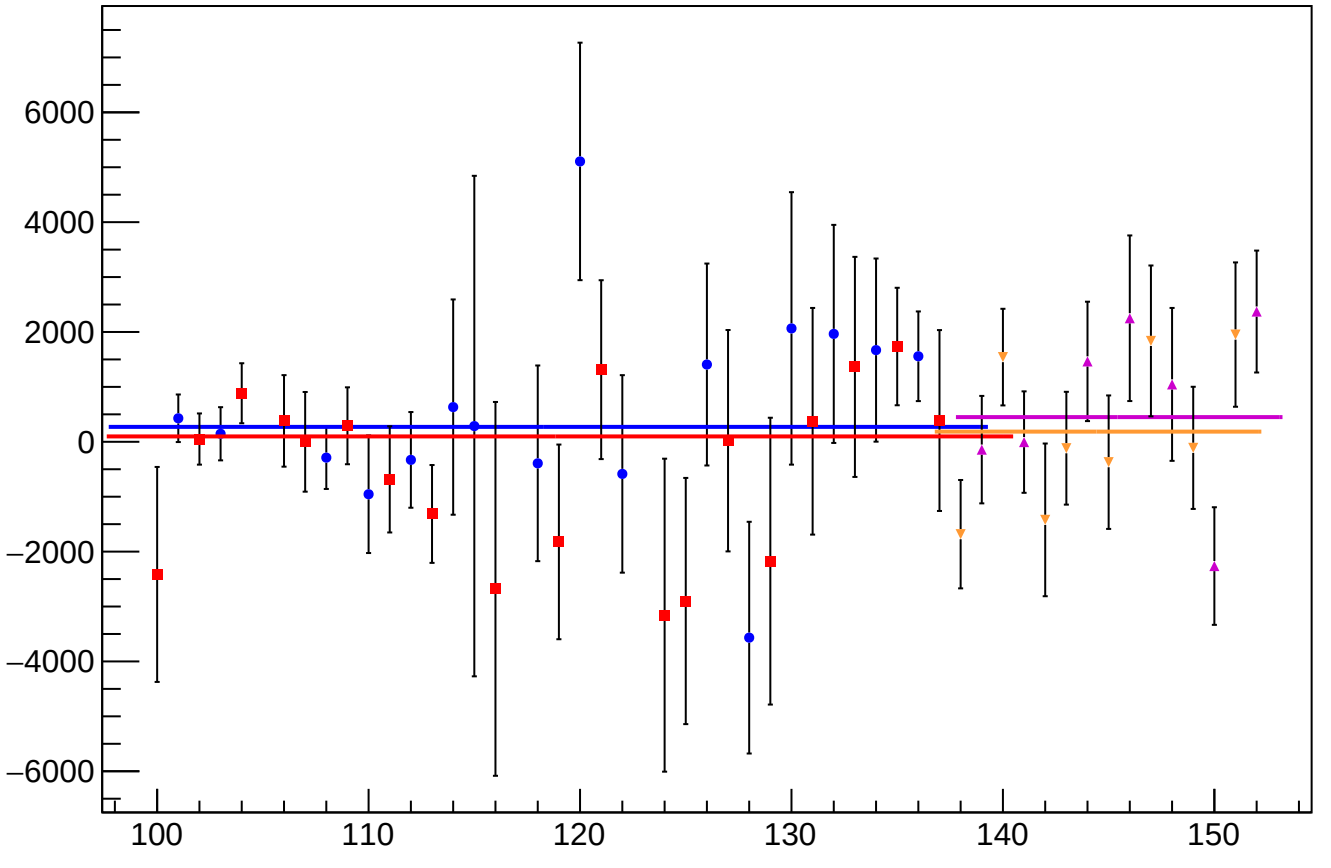
Left: 147.954+/-0.030 χ^2/NDF: 246658.7/14

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 121.188+/-0.024 χ^2/NDF:1386666.5/22

Out: 116.061+/-0.023 χ^2/NDF:1399380.8/26

All: 118.489+/-0.017 χ^2/NDF: 2809810.1/49



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: 449.738+/-418.832 χ^2/NDF:12.5/6

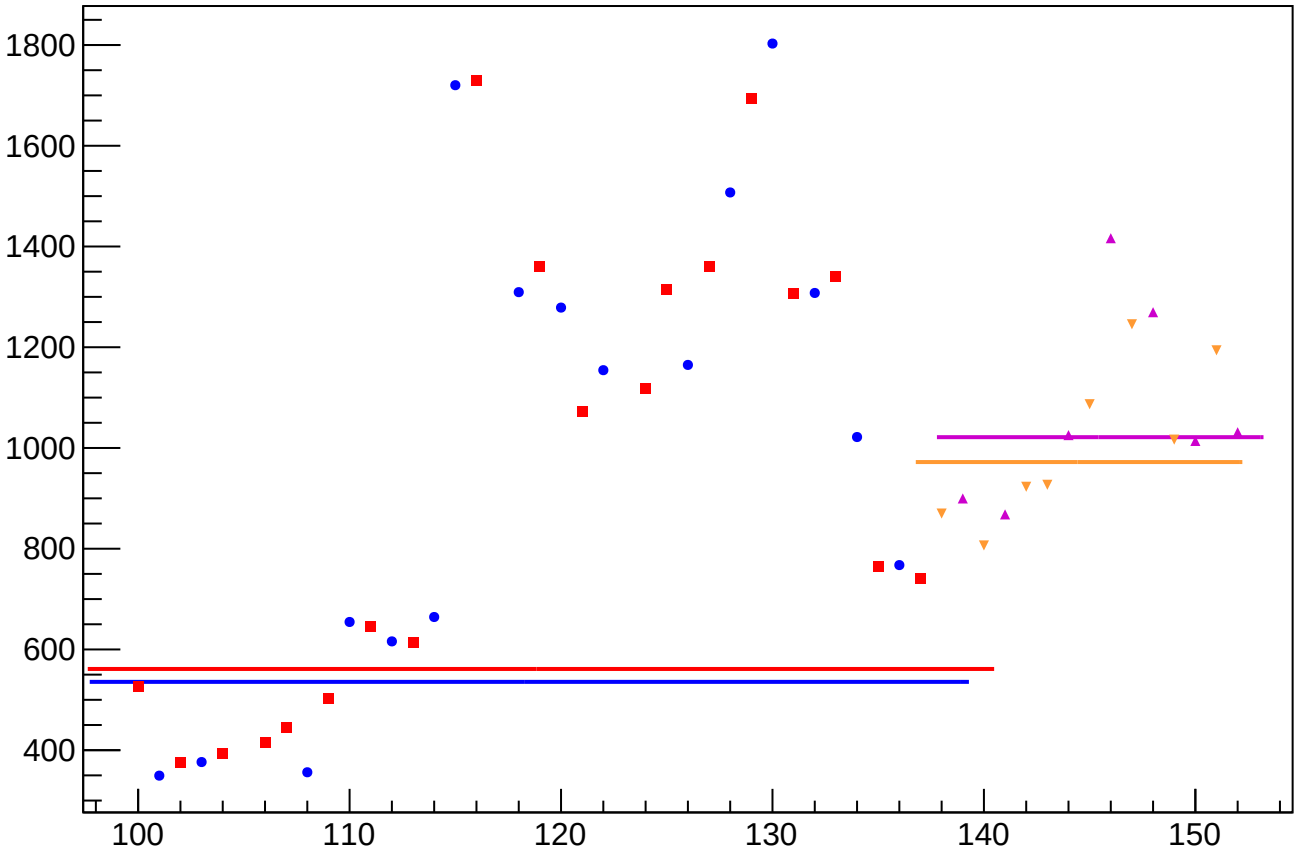
Left: 310.156+/-287.748 χ^2/NDF: 23.6/14

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 313.089+/-202.043 χ^2/NDF:29.1/22

Out: 120.325+/-200.678 χ^2/NDF:27.1/26

All: 216.053+/-142.381 χ^2/NDF: 56.7/49



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: 1021.451+/-0.296 χ^2/NDF:286988.5/6

Left: 995.372+/-0.203 χ^2/NDF: 557606.5/14

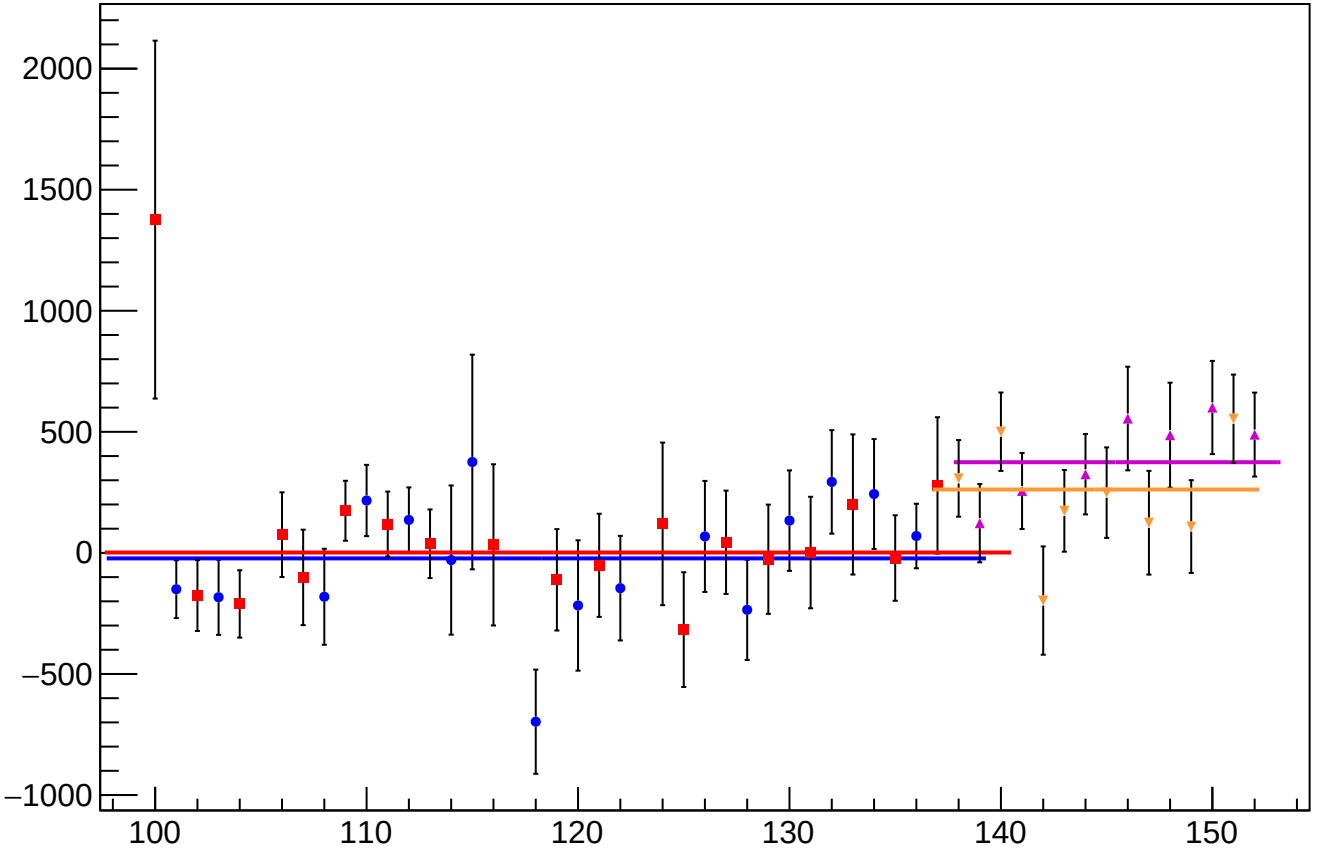
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 648.708+/-0.143 χ^2/NDF:5984047.2/22

Out: 666.762+/-0.142 χ^2/NDF:4986157.1/26

All: 657.796+/-0.101 χ^2/NDF: 10978243.1/49

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: 374.523+/-67.661 χ^2/NDF:5.9/6

Left: 315.326+/-46.651 χ^2/NDF: 17.7/14

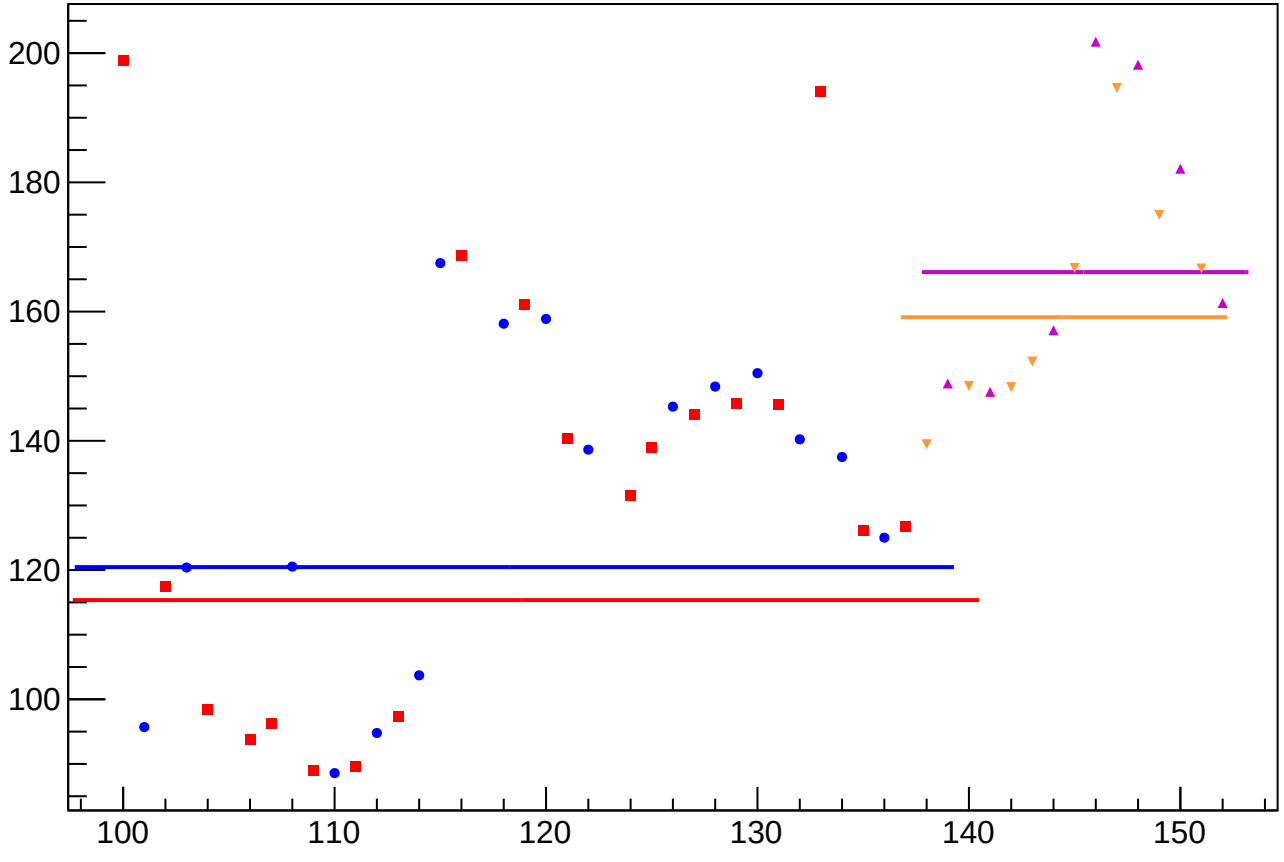
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 102.537+/-37.989 χ^2/NDF:53.6/22

Out: 83.232+/-36.085 χ^2/NDF:35.8/26

All: 92.389+/-26.163 χ^2/NDF: 89.6/49

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: 166.113+/-0.048 χ^2/NDF:171127.9/6

Left: 162.451+/-0.033 χ^2/NDF: 305133.3/14

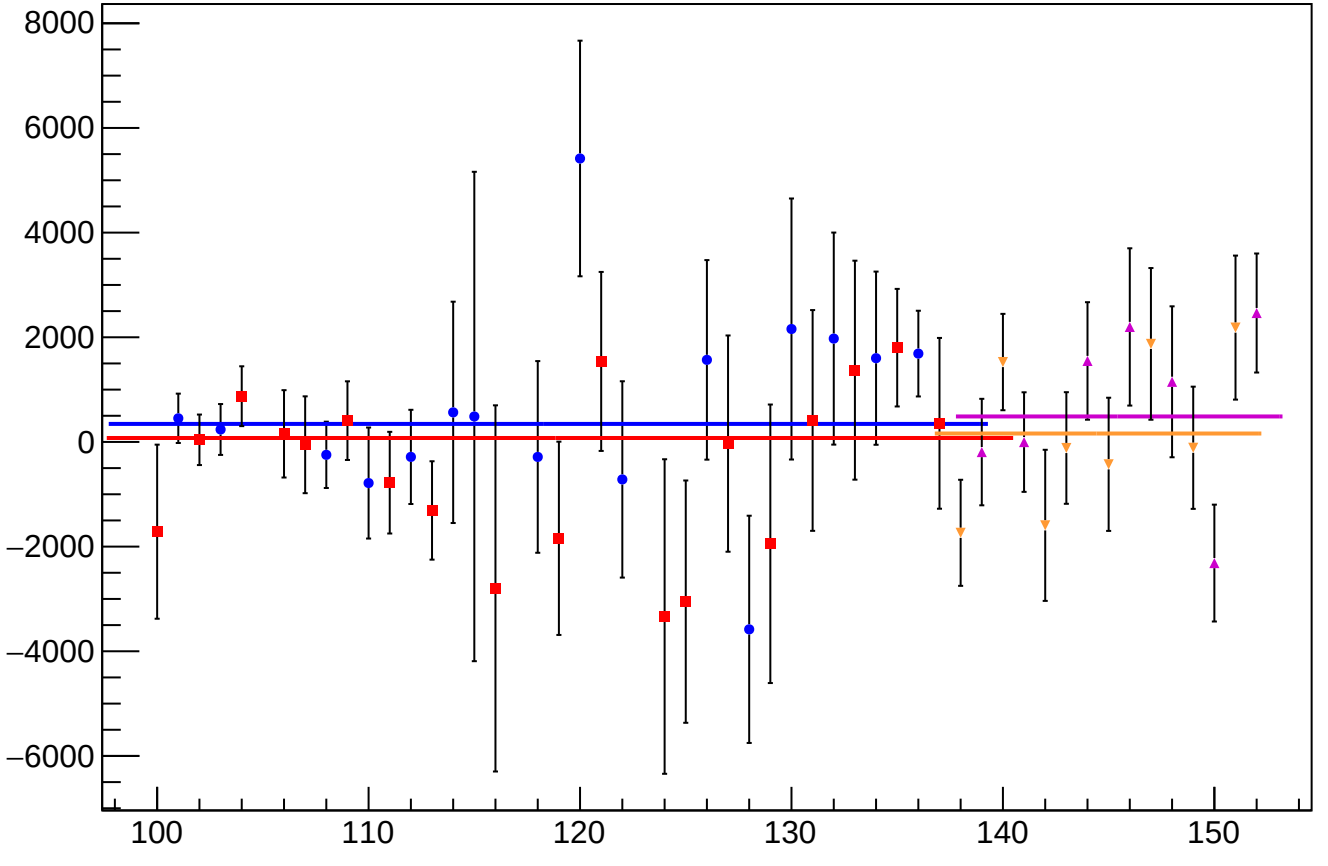
Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 134.851+/-0.027 χ^2/NDF:1324993.8/22

Out: 129.097+/-0.026 χ^2/NDF:1523946.1/26

All: 131.826+/-0.019 χ^2/NDF: 2873059.2/49

asym_sam6_dit_correction_mean vs Slug, Sign Corrected



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: 487.063+/-431.800 χ^2/NDF:12.4/6

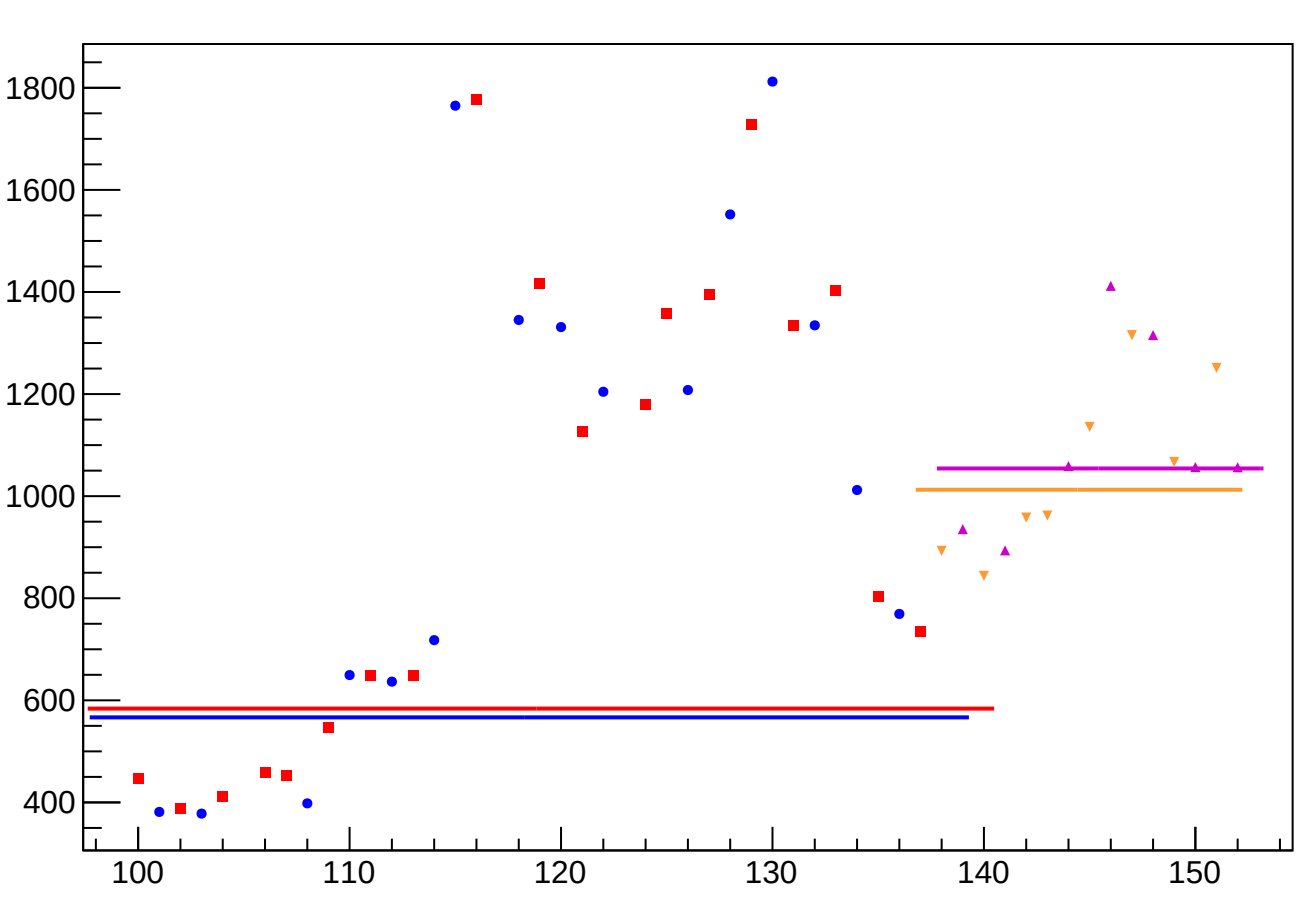
Left: 316.699+/-298.391 χ^2/NDF: 23.8/14

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 378.427+/-210.795 χ^2/NDF:28.8/22

Out: 97.109+/-207.793 χ^2/NDF:26.4/26

All: 235.751+/-147.982 χ^2/NDF: 56.0/49



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: 1054.240+/-0.305 χ^2/NDF:263269.6/6

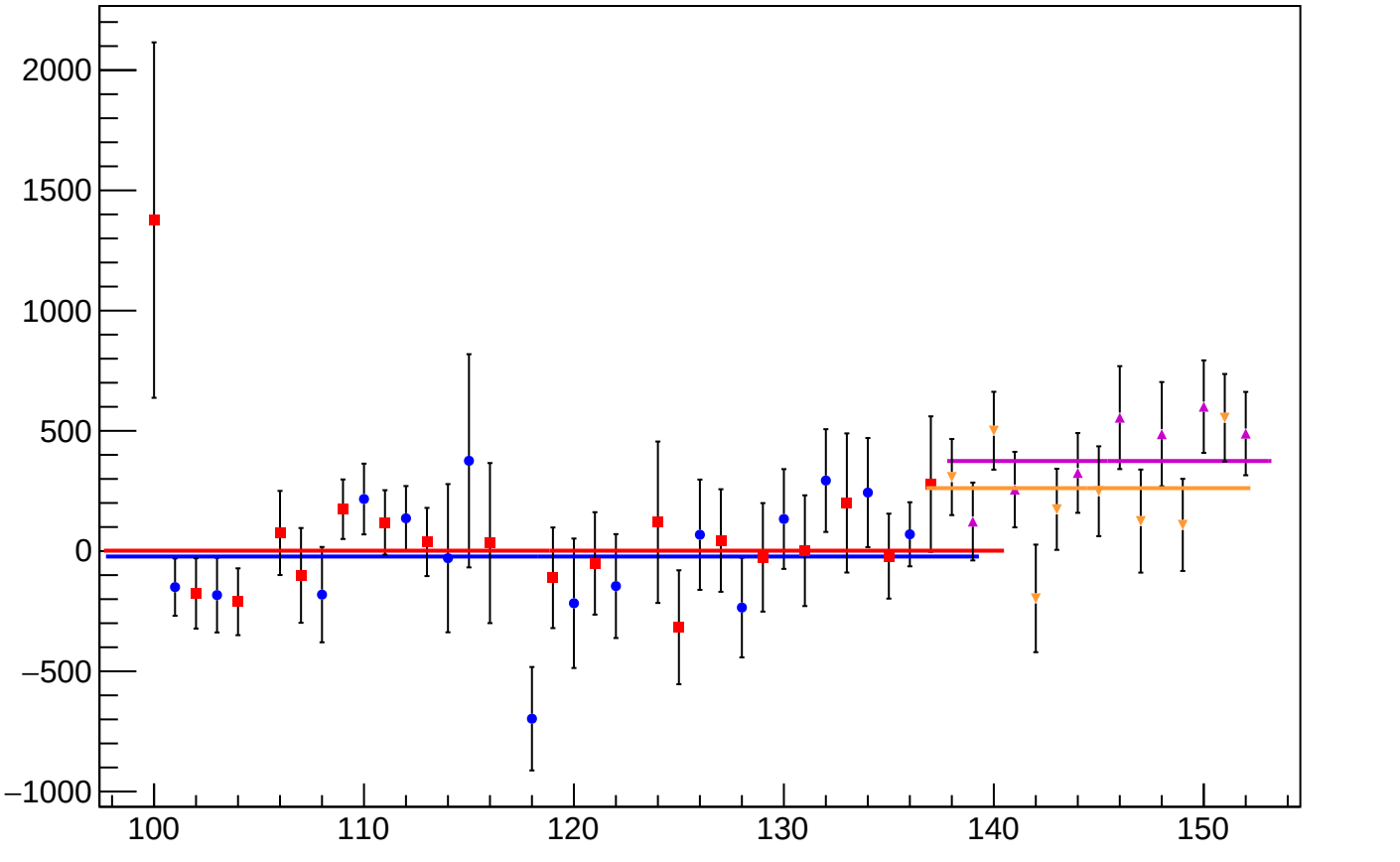
Left: 1032.475+/-0.211 χ^2/NDF: 545966.6/14

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

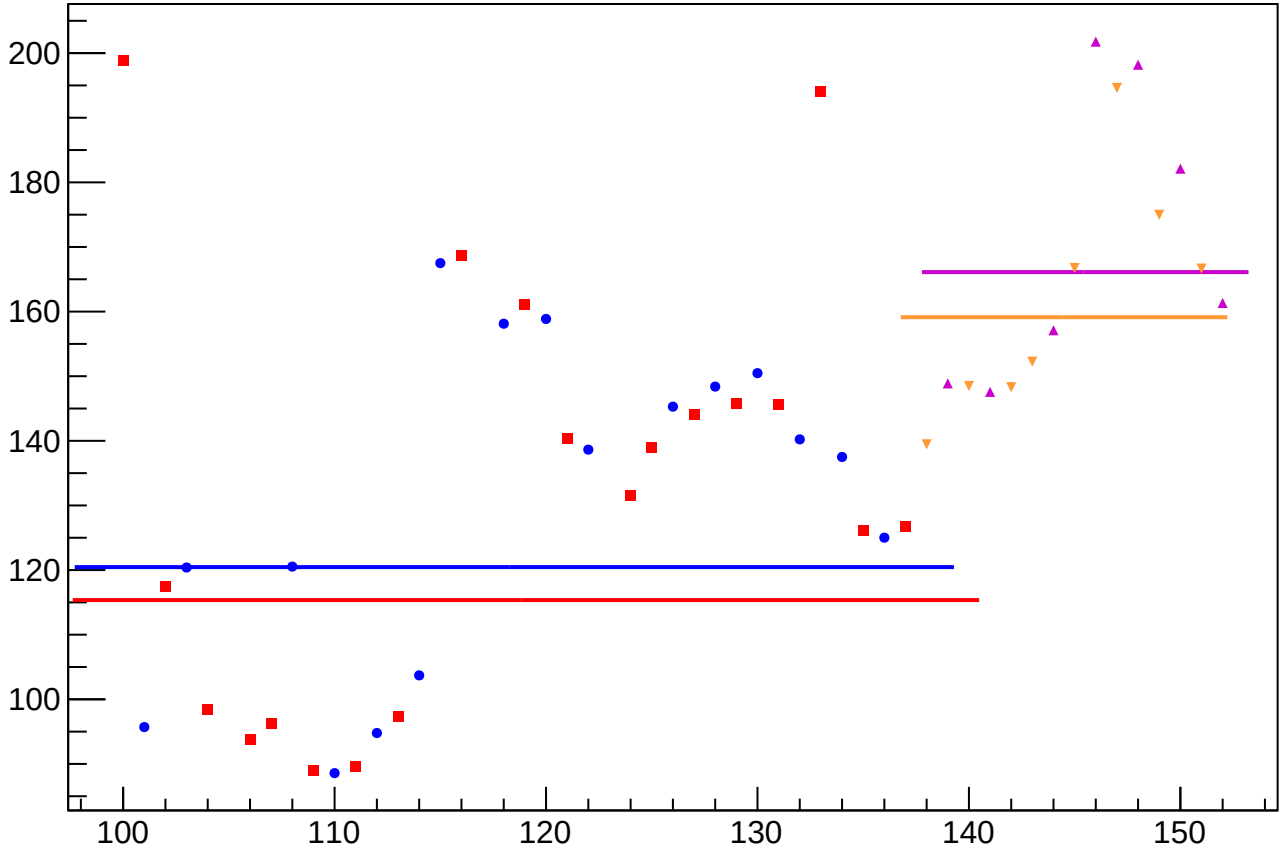
In: 682.816+/-0.149 χ^2/NDF:5638522.8/22

Out: 692.434+/-0.147 χ^2/NDF:4991527.7/26

All: 687.694+/-0.105 χ^2/NDF: 10632162.2/49


eigen_dit_asym_sam6_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: -22.680+/-45.908 χ²/NDF: 24.2/15
Left Out: 261.684+/-64.409 χ²/NDF:10.4/7
Right Out: 1.601+/-43.563 χ²/NDF: 14.3/18
Left In: 374.523+/-67.660 χ²/NDF:5.9/6
Left: 315.327+/-46.651 χ²/NDF: 17.7/14
Right: -9.903+/-31.600 χ²/NDF: 38.6/34
In: 102.536+/-37.989 χ²/NDF:53.6/22
Out: 83.234+/-36.084 χ²/NDF:35.8/26
All: 92.389+/-26.163 χ²/NDF: 89.6/49

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: 166.112+/-0.048 χ^2/NDF:171128.0/6

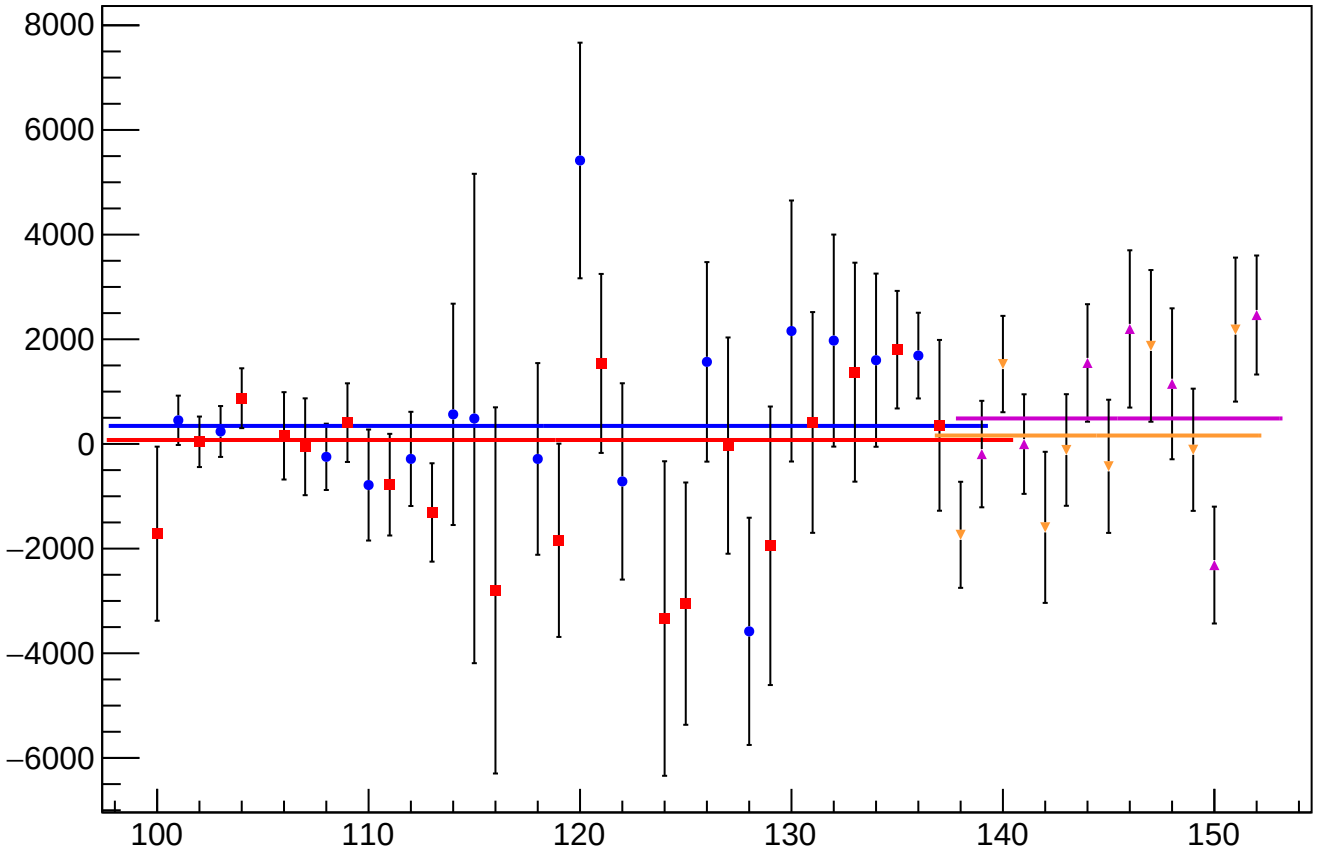
Left: 162.450+/-0.033 χ^2/NDF: 305132.4/14

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 134.850+/-0.027 χ^2/NDF:1325001.1/22

Out: 129.096+/-0.026 χ^2/NDF:1523943.9/26

All: 131.826+/-0.019 χ^2/NDF: 2873064.0/49



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: 487.061+/-431.800 χ^2/NDF:12.4/6

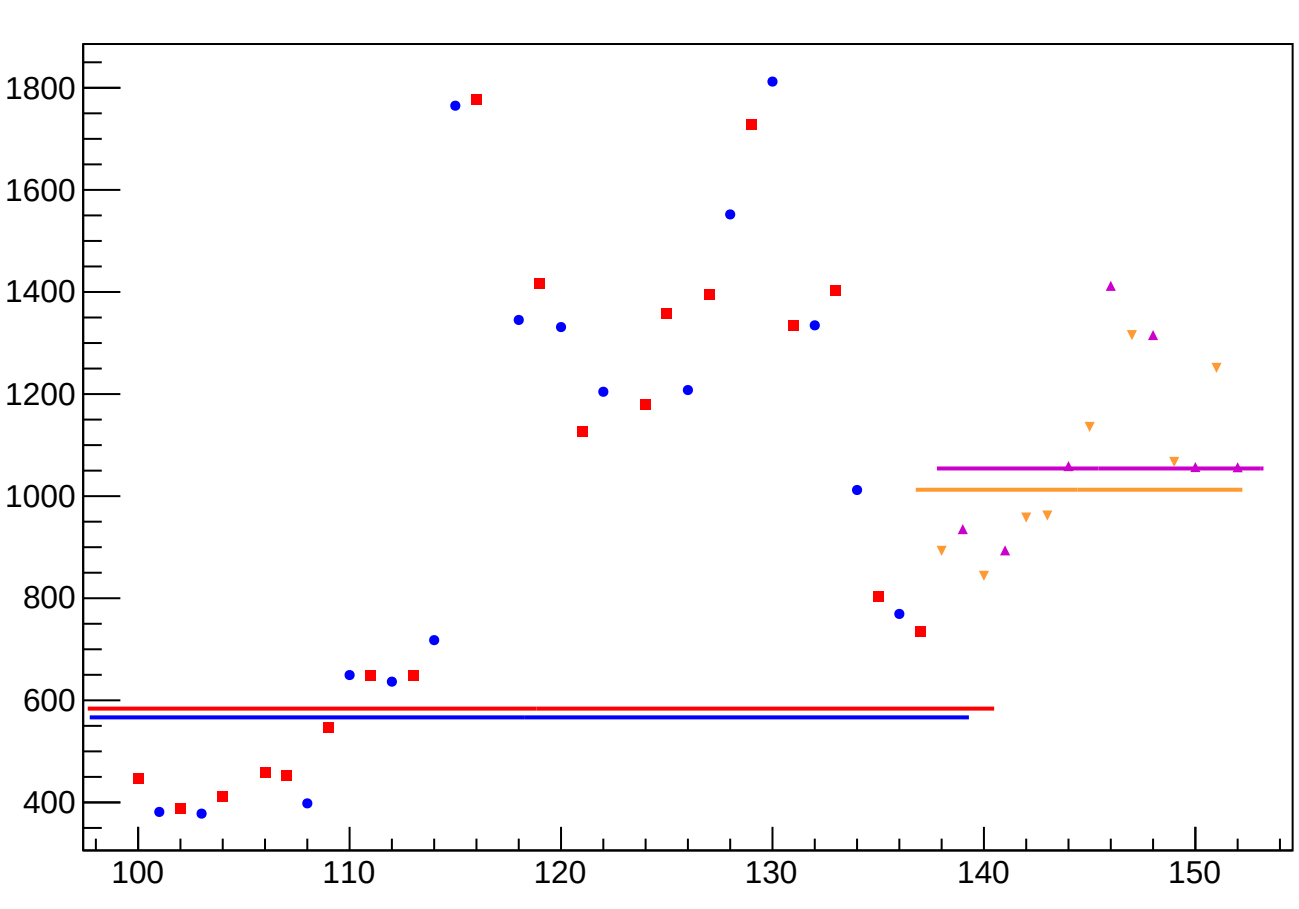
Left: 316.700+/-298.391 χ^2/NDF: 23.8/14

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 378.426+/-210.795 χ^2/NDF:28.8/22

Out: 97.111+/-207.793 χ^2/NDF:26.4/26

All: 235.751+/-147.982 χ^2/NDF: 56.0/49



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: 1054.239+/-0.305 χ^2/NDF:263270.2/6

Left: 1032.474+/-0.211 χ^2/NDF: 545967.8/14

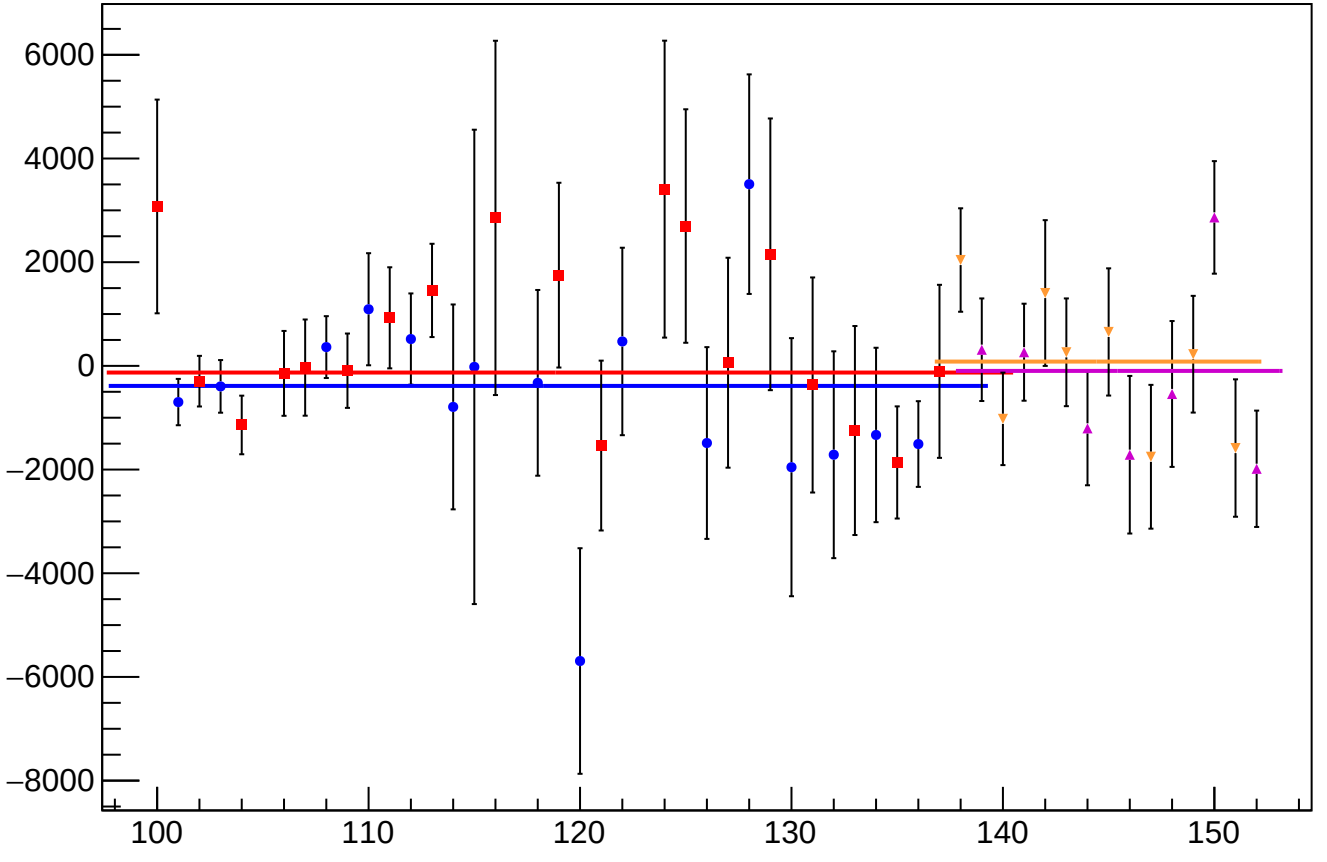
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 682.815+/-0.149 χ^2/NDF:5638531.8/22

Out: 692.433+/-0.147 χ^2/NDF:4991526.9/26

All: 687.693+/-0.105 χ^2/NDF: 10632170.5/49

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: -97.116+/-423.564 χ^2/NDF:12.8/6

Left: -2.038+/-290.989 χ^2/NDF: 22.8/14

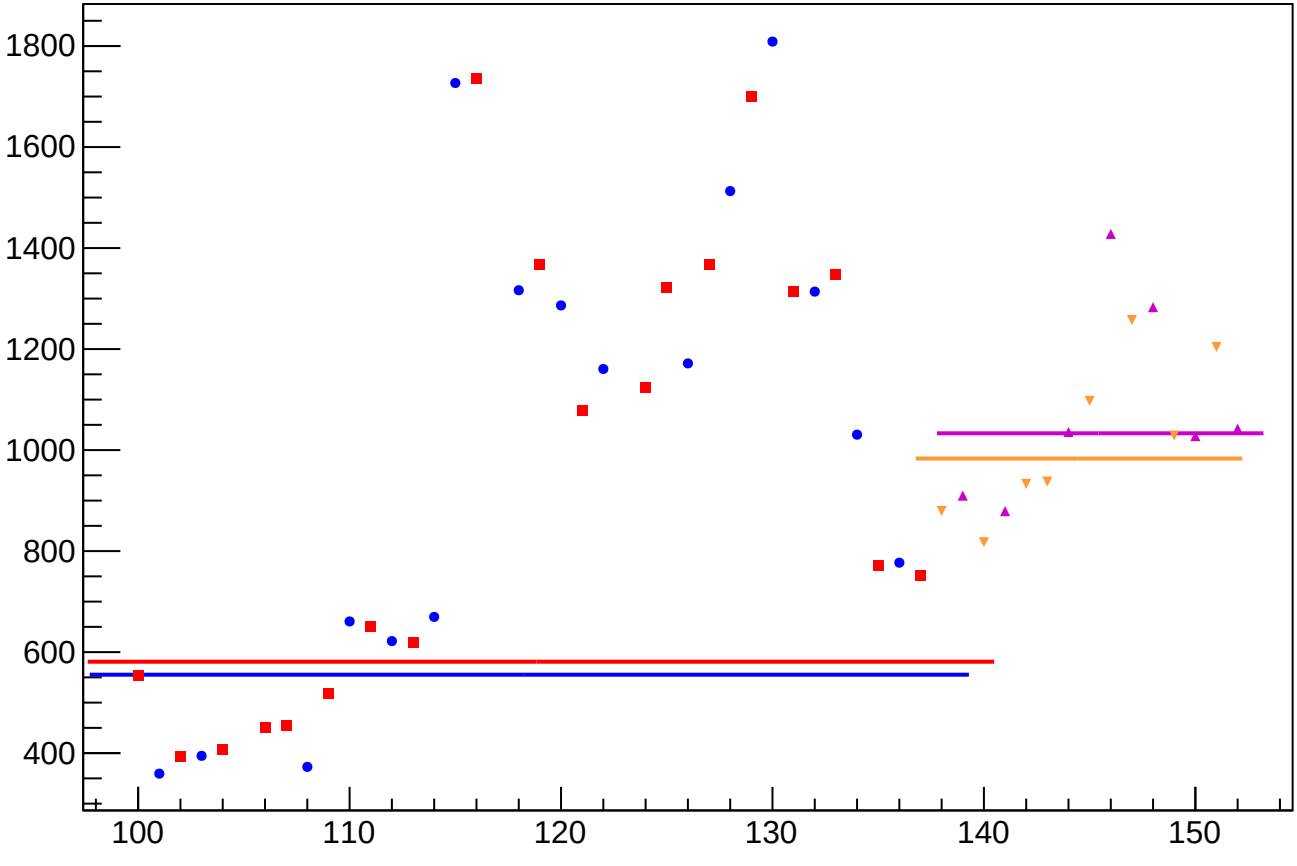
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -317.285+/-207.173 χ^2/NDF:31.1/22

Out: -73.285+/-204.746 χ^2/NDF:29.5/26

All: -193.848+/-145.628 χ^2/NDF: 61.3/49

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: 1033.249+/-0.300 χ^2/NDF:283522.1/6

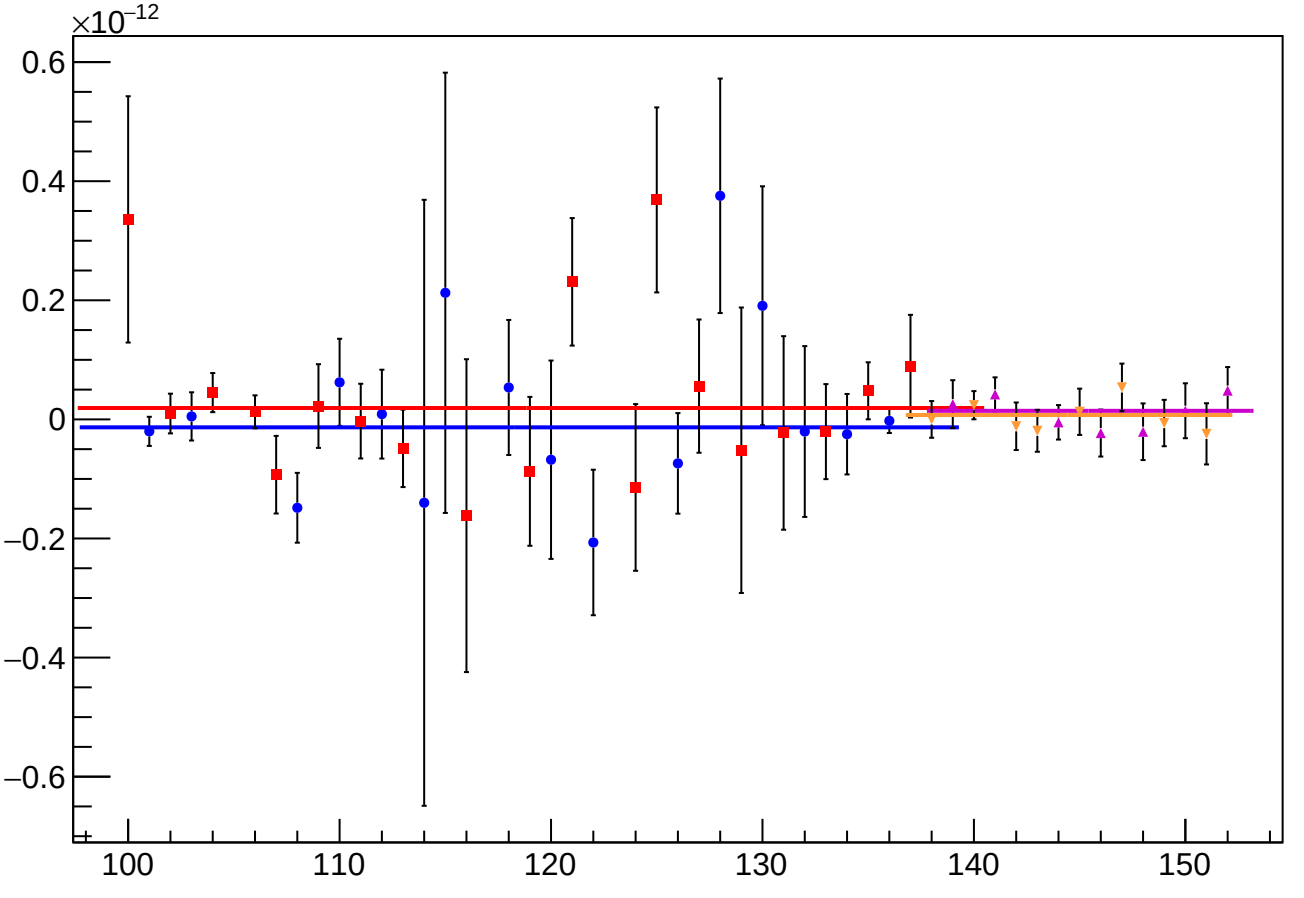
Left: 1006.851+/-0.206 χ^2/NDF: 549681.9/14

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 669.637+/-0.146 χ^2/NDF:5703452.9/22

Out: 686.153+/-0.145 χ^2/NDF:4725550.0/26

All: 677.993+/-0.103 χ^2/NDF: 10435433.2/49



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:3.6/6

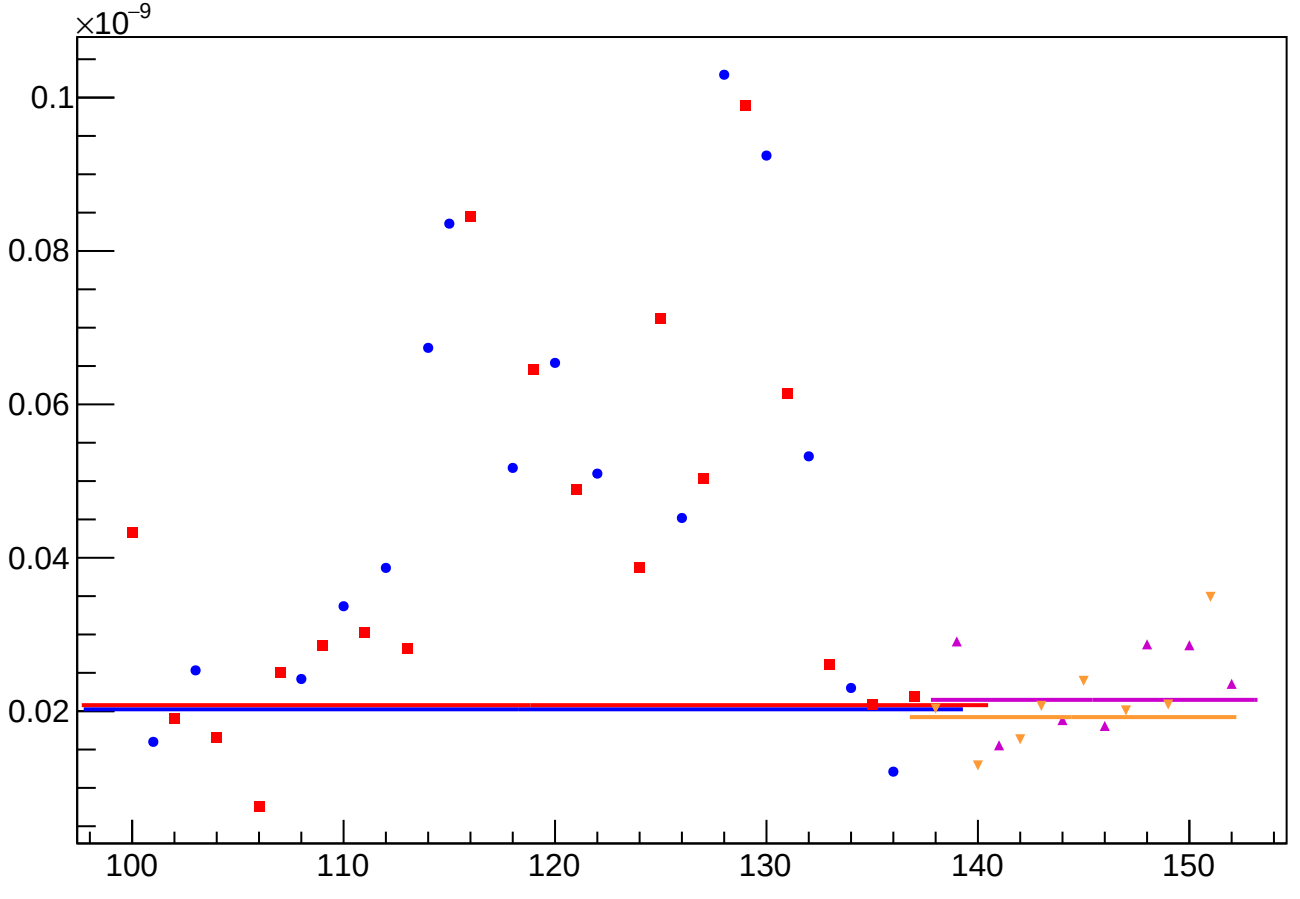
Left: 0.000+/-0.000 χ^2/NDF: 7.0/14

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: -0.000+/-0.000 χ^2/NDF:21.7/22

Out: 0.000+/-0.000 χ^2/NDF:23.5/26

All: 0.000+/-0.000 χ^2/NDF: 46.1/49



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:288824.2/6

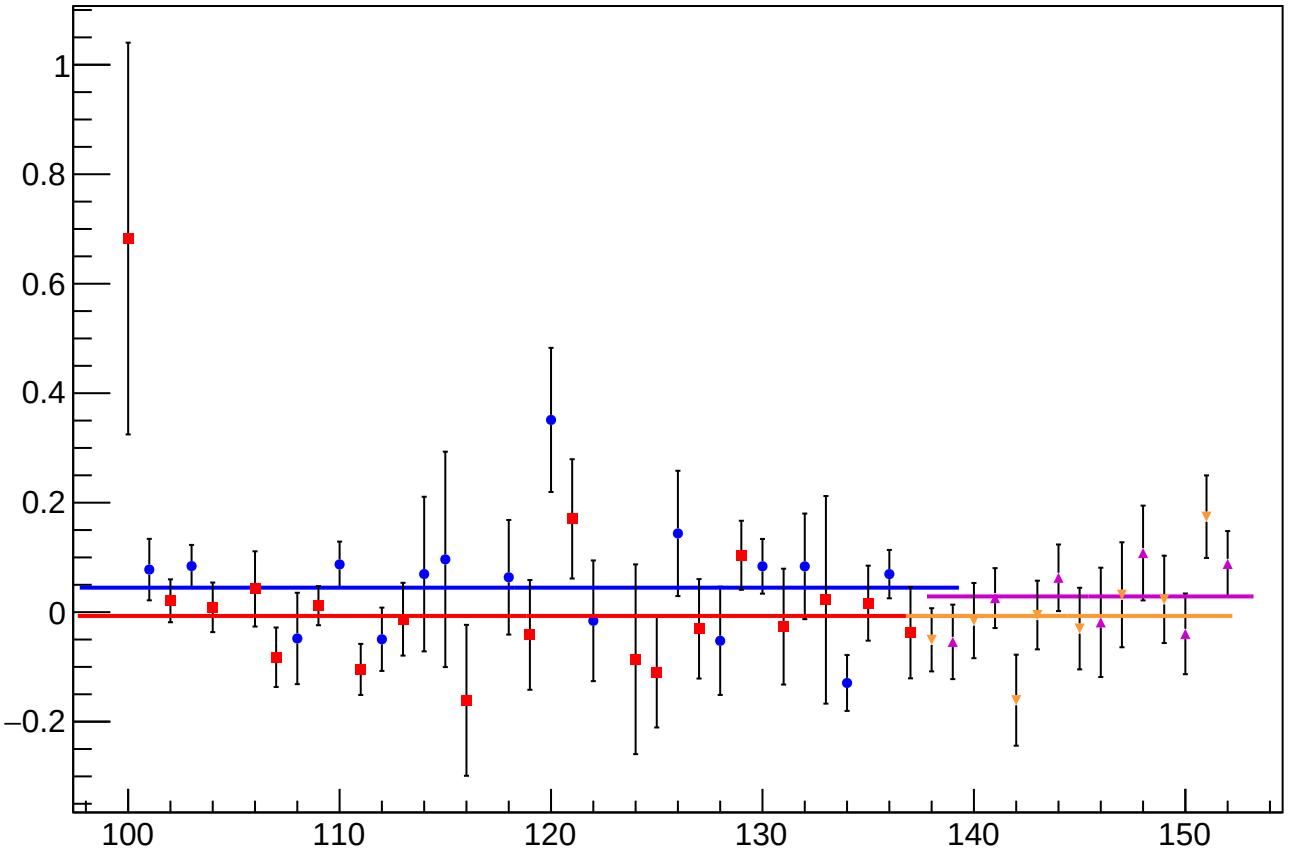
Left: 0.000+/-0.000 χ^2/NDF: 696843.6/14

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2301981.0/22

Out: 0.000+/-0.000 χ^2/NDF:2248482.8/26

All: 0.000+/-0.000 χ^2/NDF: 4559897.2/49



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: 0.029+/-0.026 χ^2/NDF:4.7/6

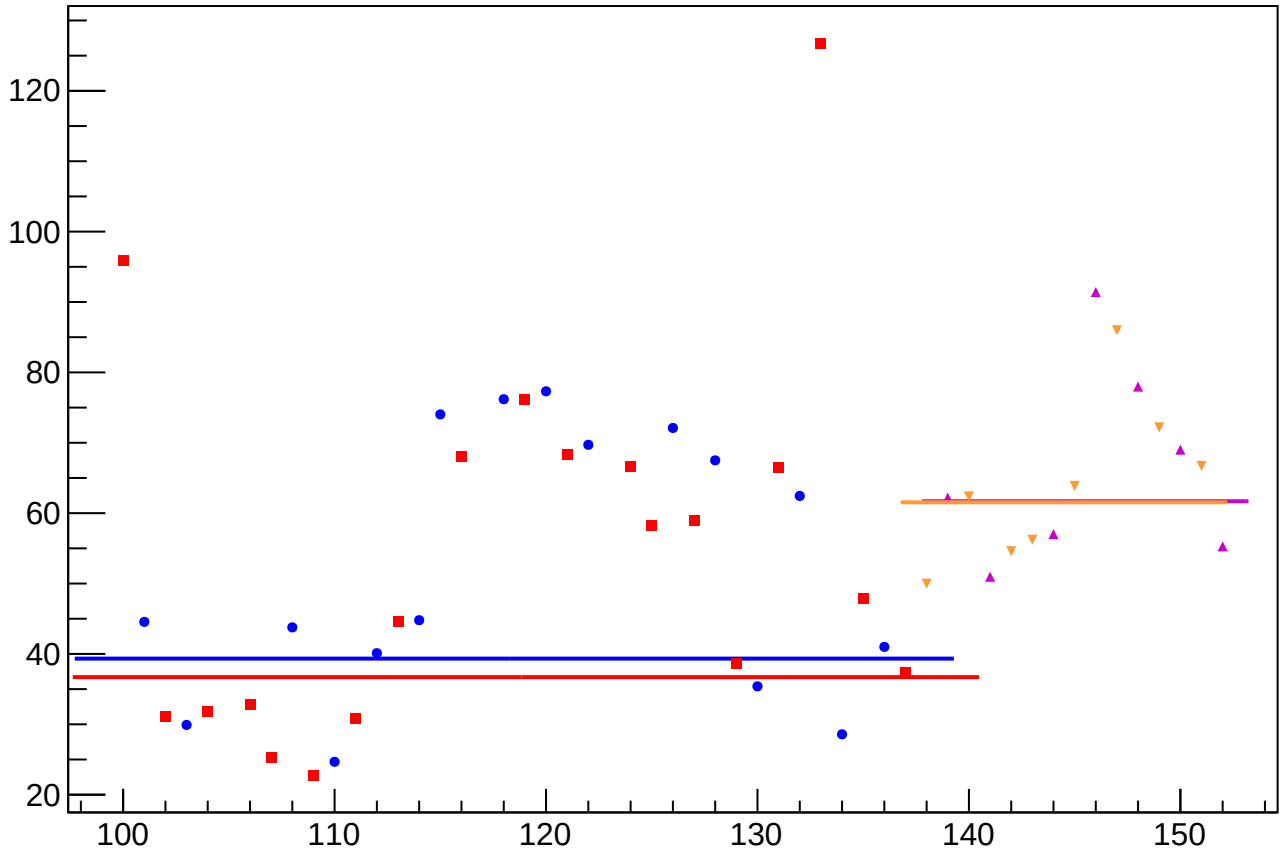
Left: 0.011+/-0.018 χ^2/NDF: 15.9/14

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.014 χ^2/NDF:31.6/22

Out: -0.007+/-0.013 χ^2/NDF:30.4/26

All: 0.016+/-0.009 χ^2/NDF: 68.3/49



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: 61.693+/-0.018 χ^2/NDF:379293.7/6

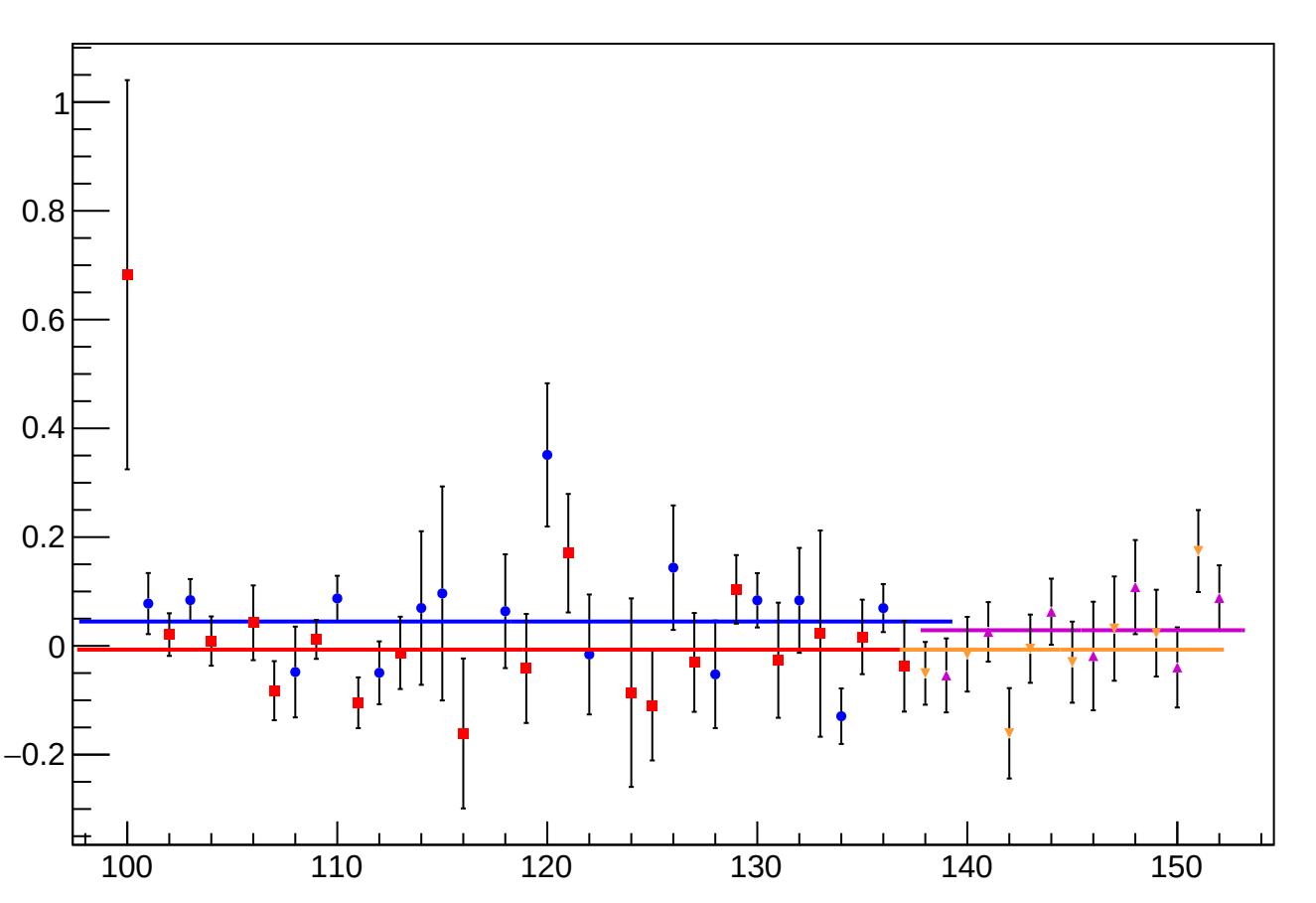
Left: 61.616+/-0.013 χ^2/NDF: 665132.5/14

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.597+/-0.010 χ^2/NDF:3036778.5/22

Out: 43.140+/-0.009 χ^2/NDF:3783744.1/26

All: 44.314+/-0.007 χ^2/NDF: 6854653.1/49



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: 0.029+/-0.026 χ^2/NDF:4.7/6

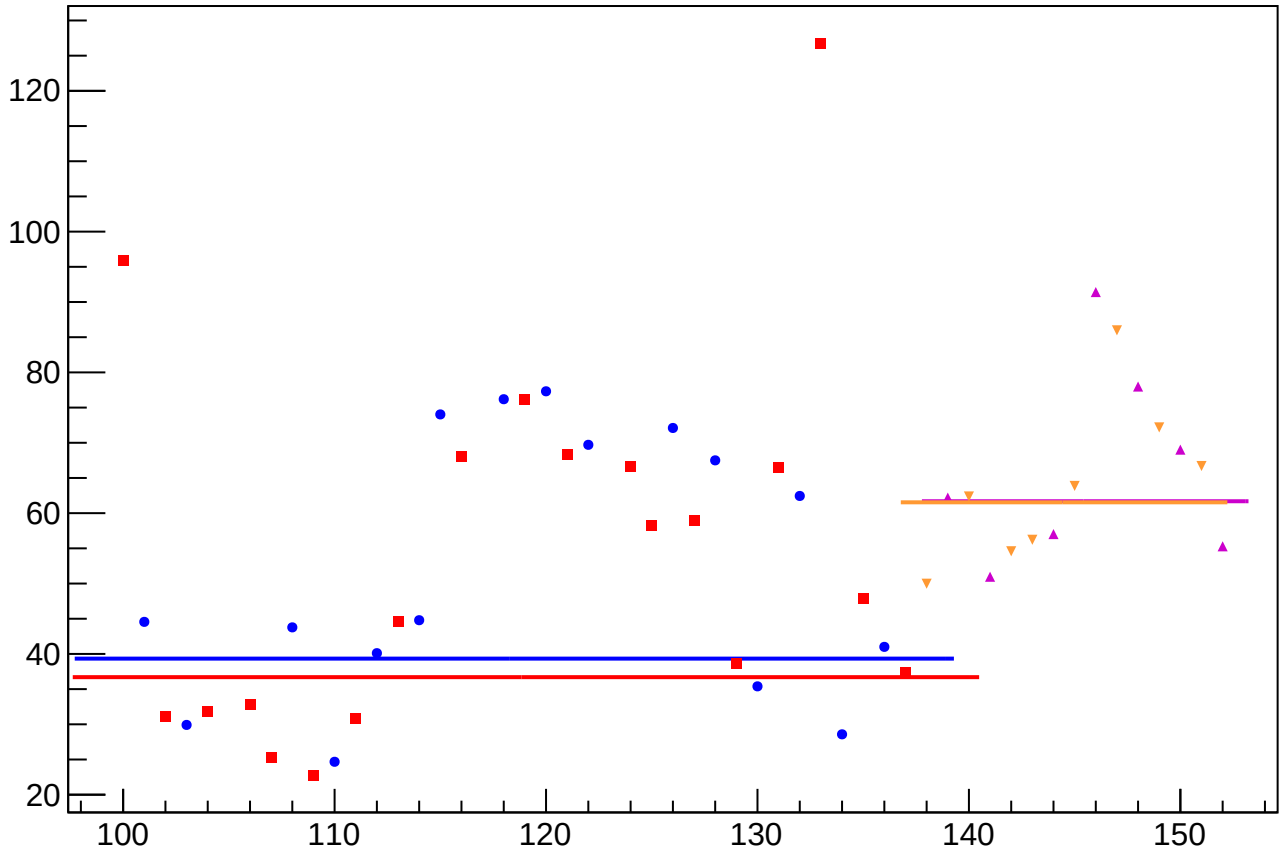
Left: 0.011+/-0.018 χ^2/NDF: 15.9/14

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.014 χ^2/NDF:31.6/22

Out: -0.007+/-0.013 χ^2/NDF:30.4/26

All: 0.016+/-0.009 χ^2/NDF: 68.3/49



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: 61.693+/-0.018 χ^2/NDF:379293.7/6

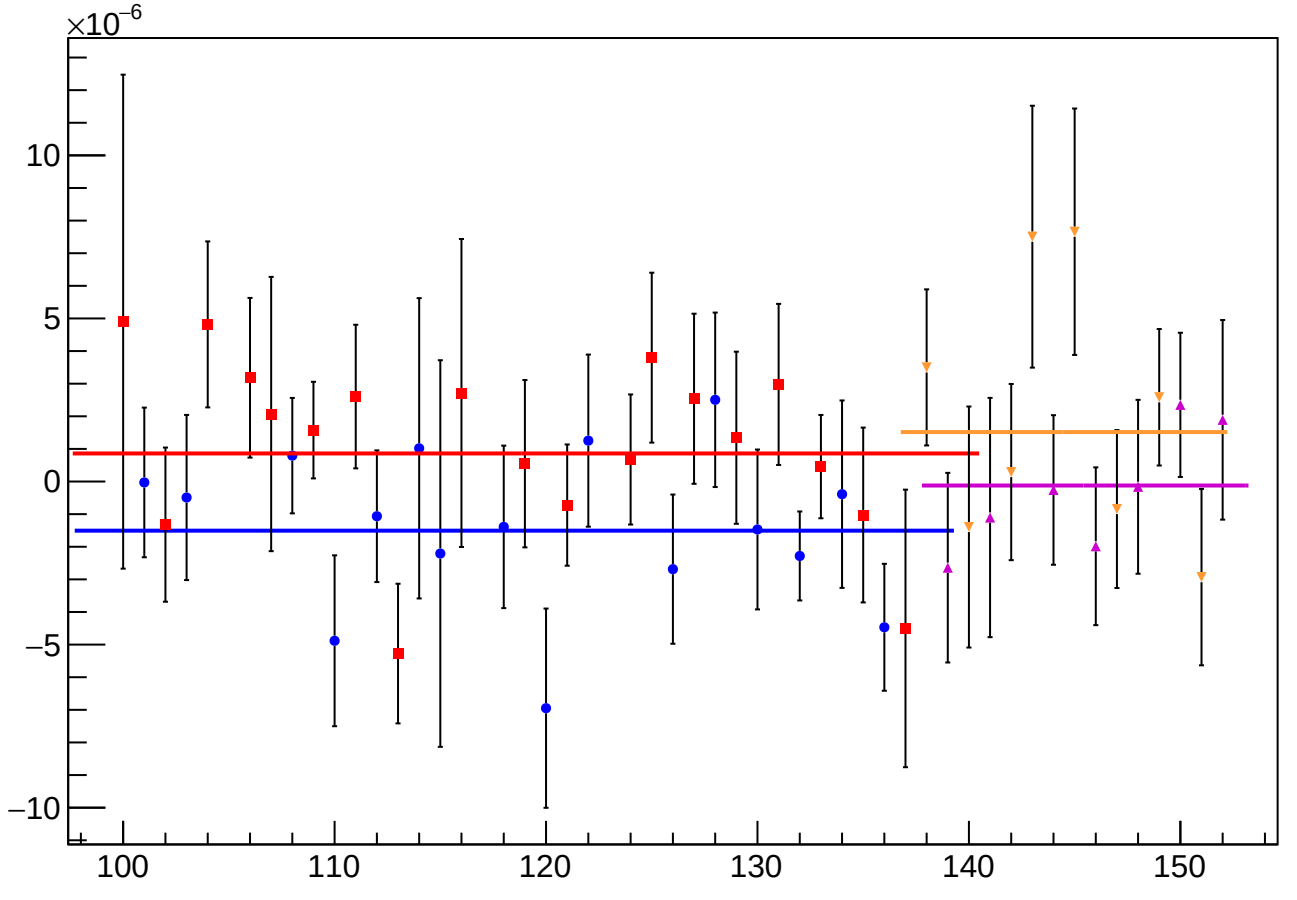
Left: 61.616+/-0.013 χ^2/NDF: 665132.5/14

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.597+/-0.010 χ^2/NDF:3036778.5/22

Out: 43.140+/-0.009 χ^2/NDF:3783744.1/26

All: 44.314+/-0.007 χ^2/NDF: 6854653.1/49



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:3.1/6

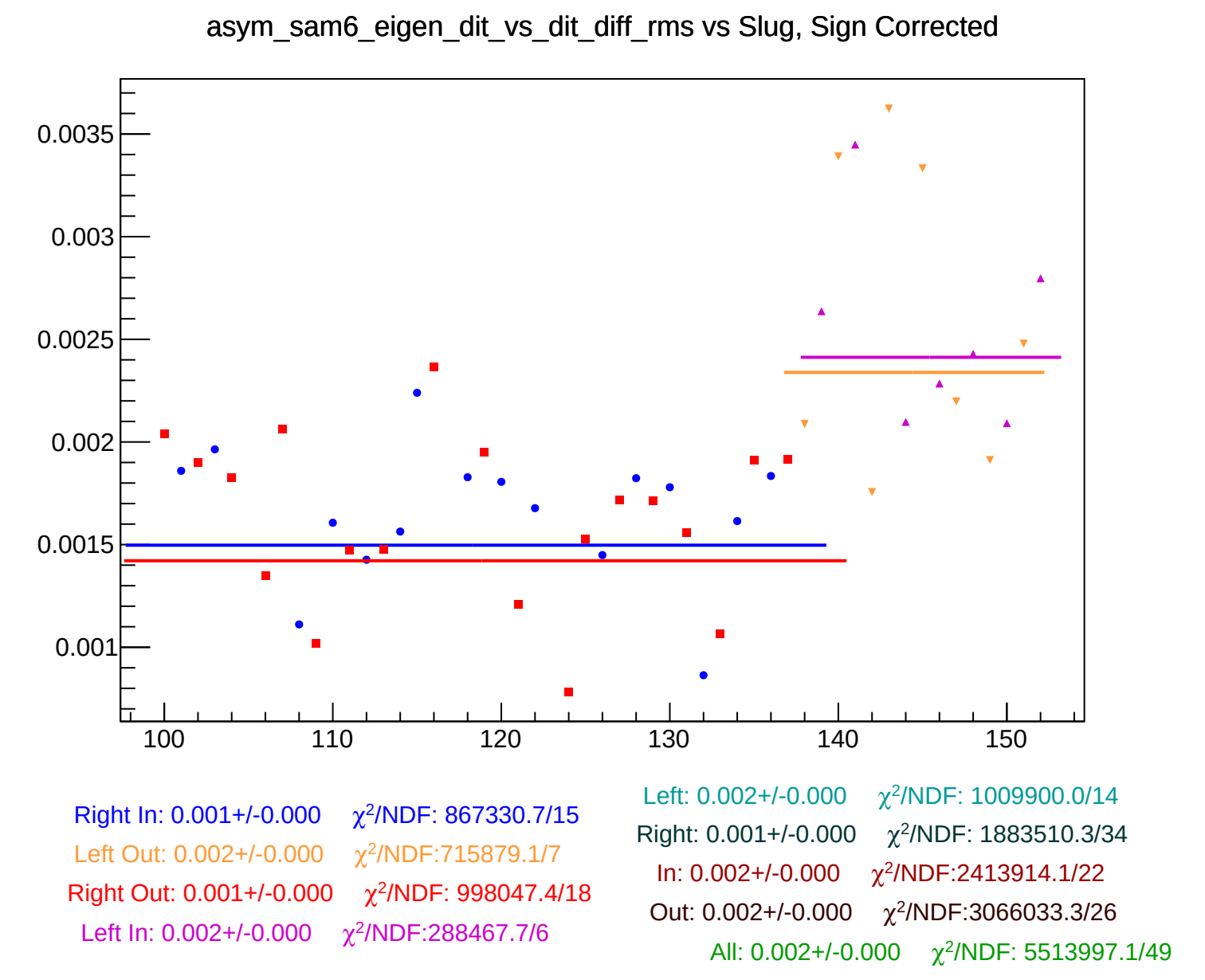
Left: 0.000+/-0.000 χ^2/NDF: 14.8/14

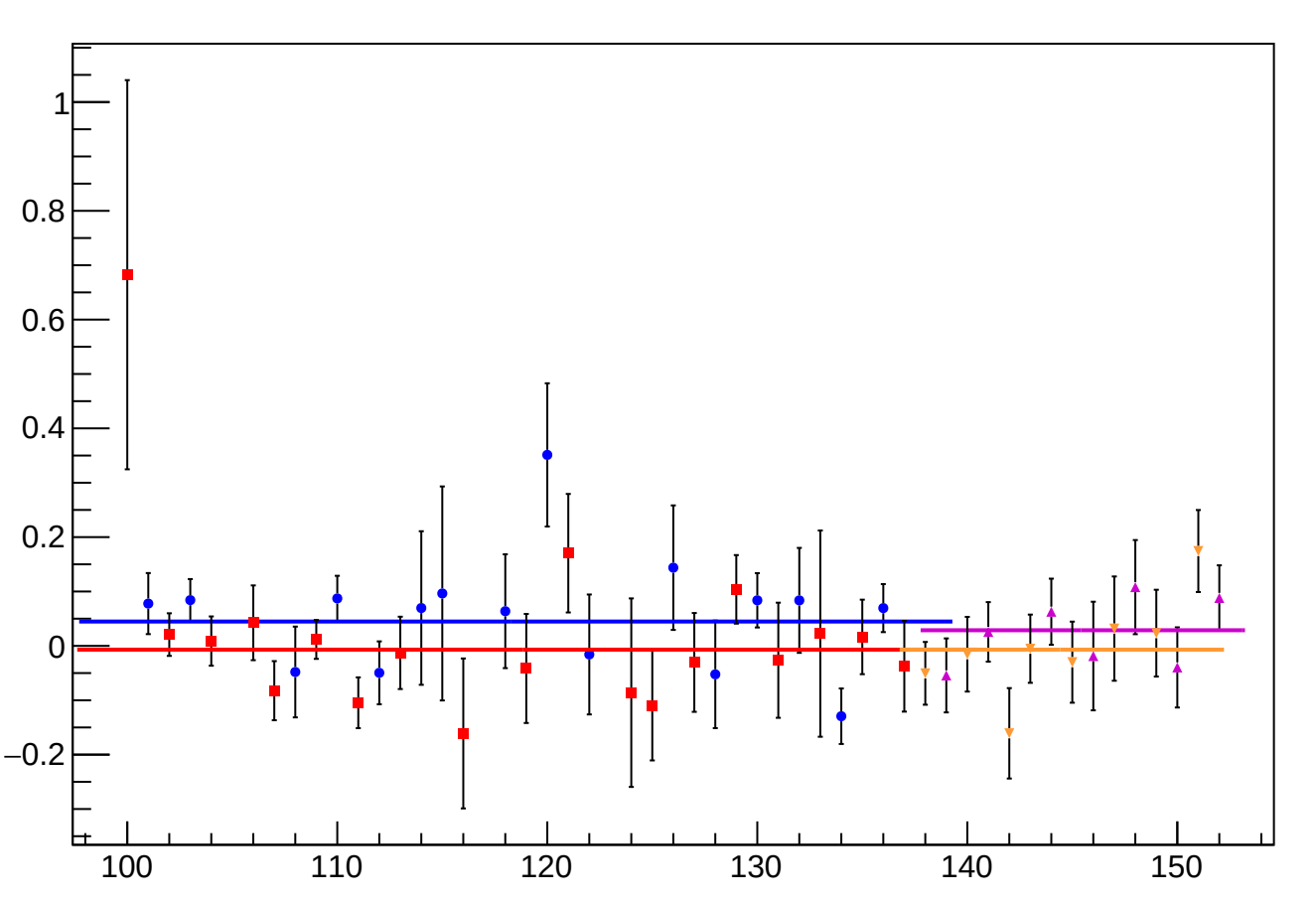
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:18.4/22

Out: 0.000+/-0.000 χ^2/NDF:29.8/26

All: -0.000+/-0.000 χ^2/NDF: 58.1/49


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:288467.7/6
Left: 0.002+/-0.000 χ²/NDF: 1009900.0/14
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:2413914.1/22
Out: 0.002+/-0.000 χ²/NDF:3066033.3/26
All: 0.002+/-0.000 χ²/NDF: 5513997.1/49



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: 0.029+/-0.026 χ^2/NDF:4.7/6

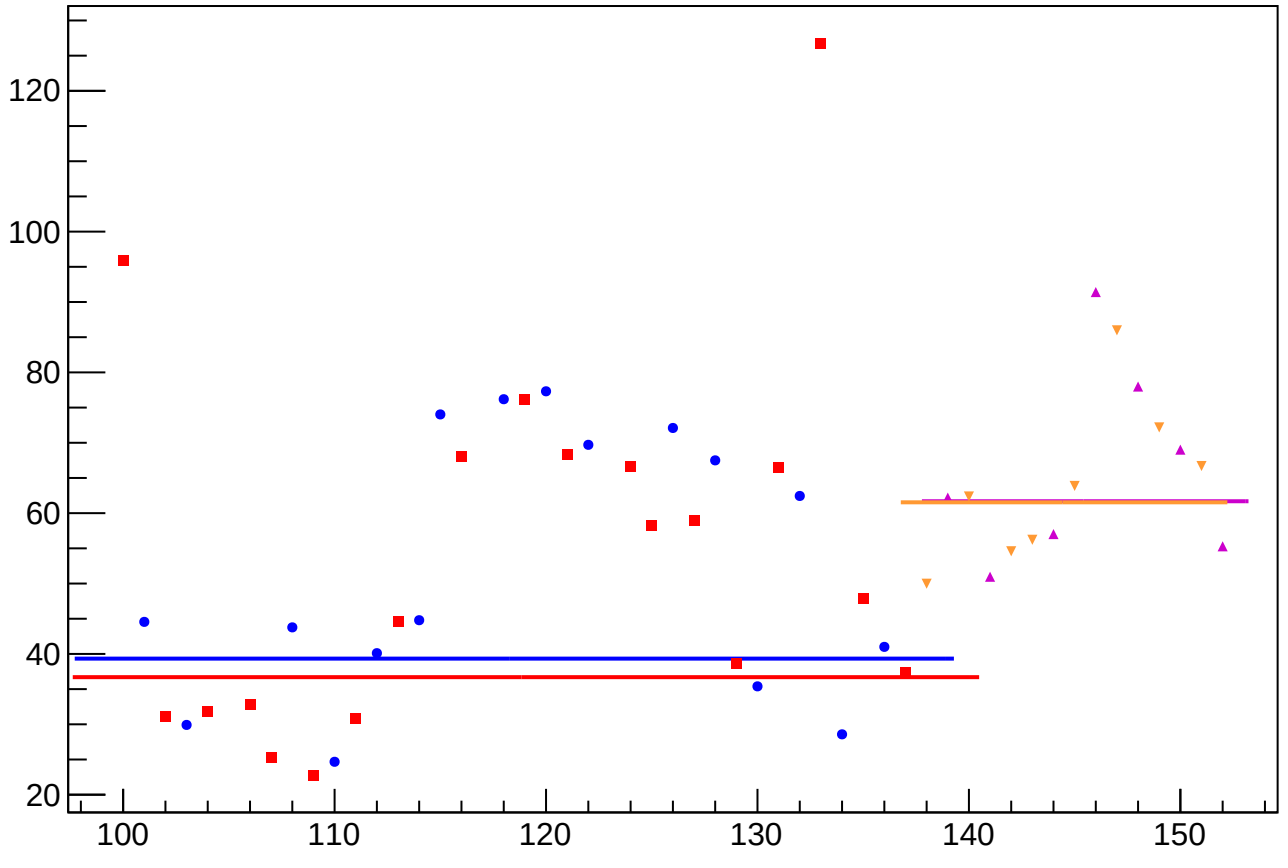
Left: 0.011+/-0.018 χ^2/NDF: 15.9/14

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.014 χ^2/NDF:31.6/22

Out: -0.007+/-0.013 χ^2/NDF:30.4/26

All: 0.016+/-0.009 χ^2/NDF: 68.3/49



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: 61.692+/-0.018 χ^2/NDF:379302.7/6

Left: 61.616+/-0.013 χ^2/NDF: 665131.5/14

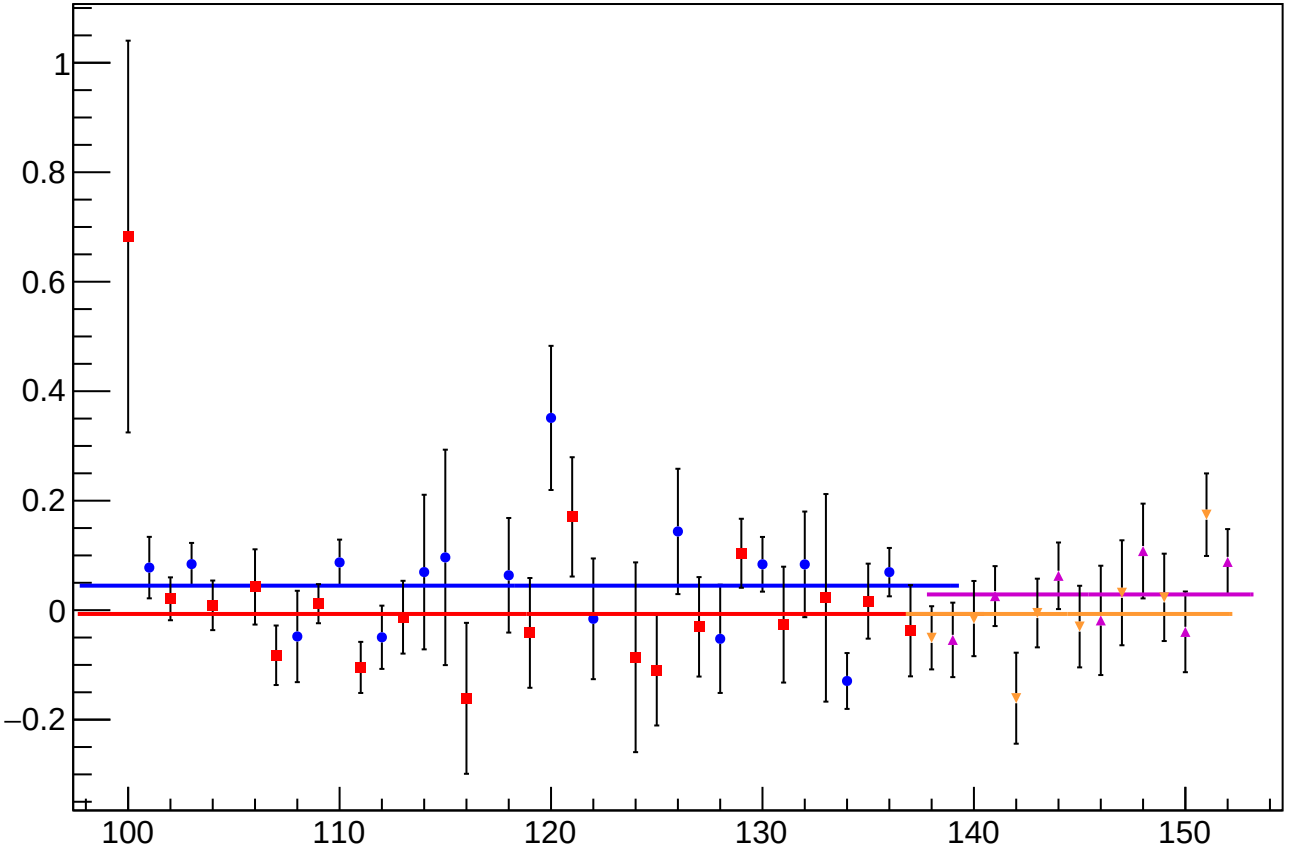
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.597+/-0.010 χ^2/NDF:3036819.8/22

Out: 43.139+/-0.009 χ^2/NDF:3783708.6/26

All: 44.314+/-0.007 χ^2/NDF: 6854652.4/49

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: 0.029+/-0.026 χ^2/NDF:4.7/6

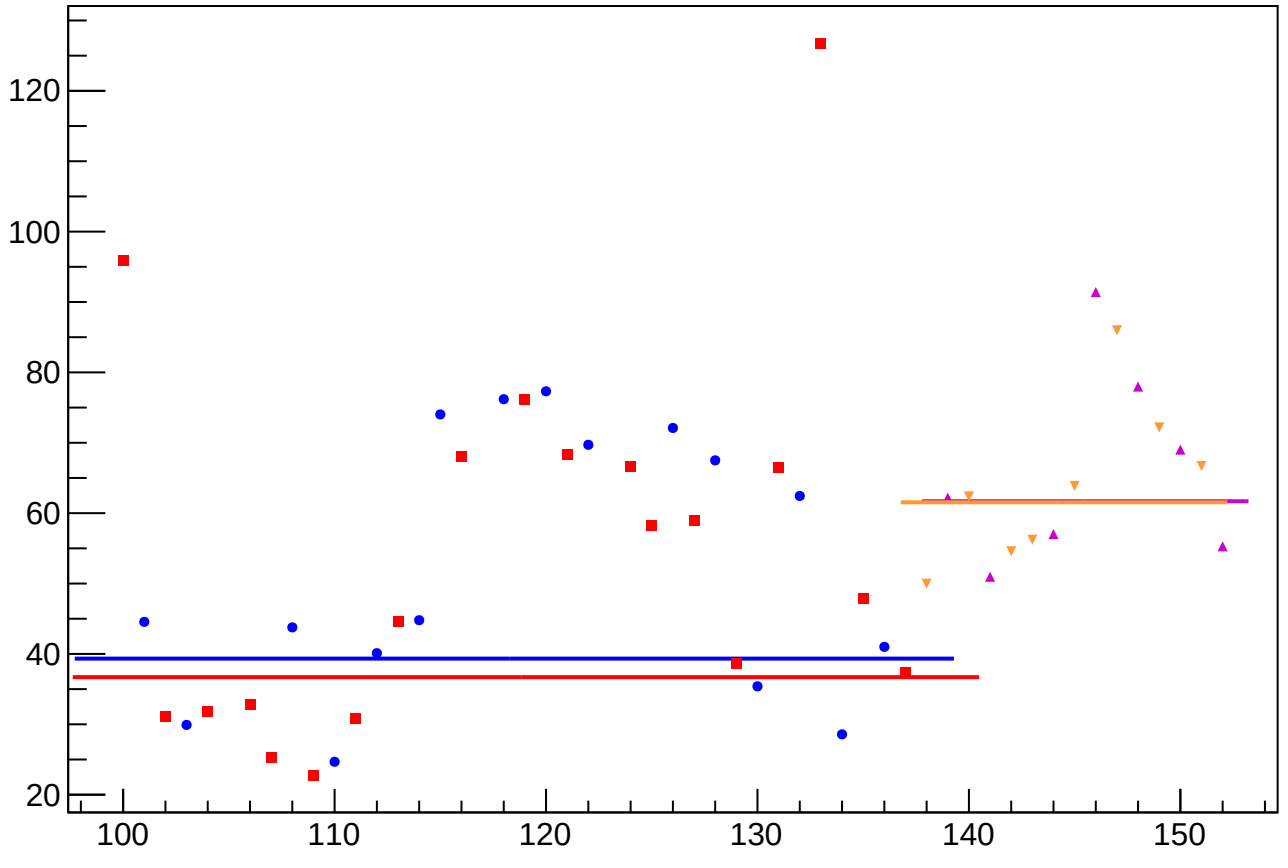
Left: 0.011+/-0.018 χ^2/NDF: 15.9/14

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.014 χ^2/NDF:31.6/22

Out: -0.007+/-0.013 χ^2/NDF:30.4/26

All: 0.016+/-0.009 χ^2/NDF: 68.3/49



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: 61.692+/-0.018 χ^2/NDF:379302.7/6

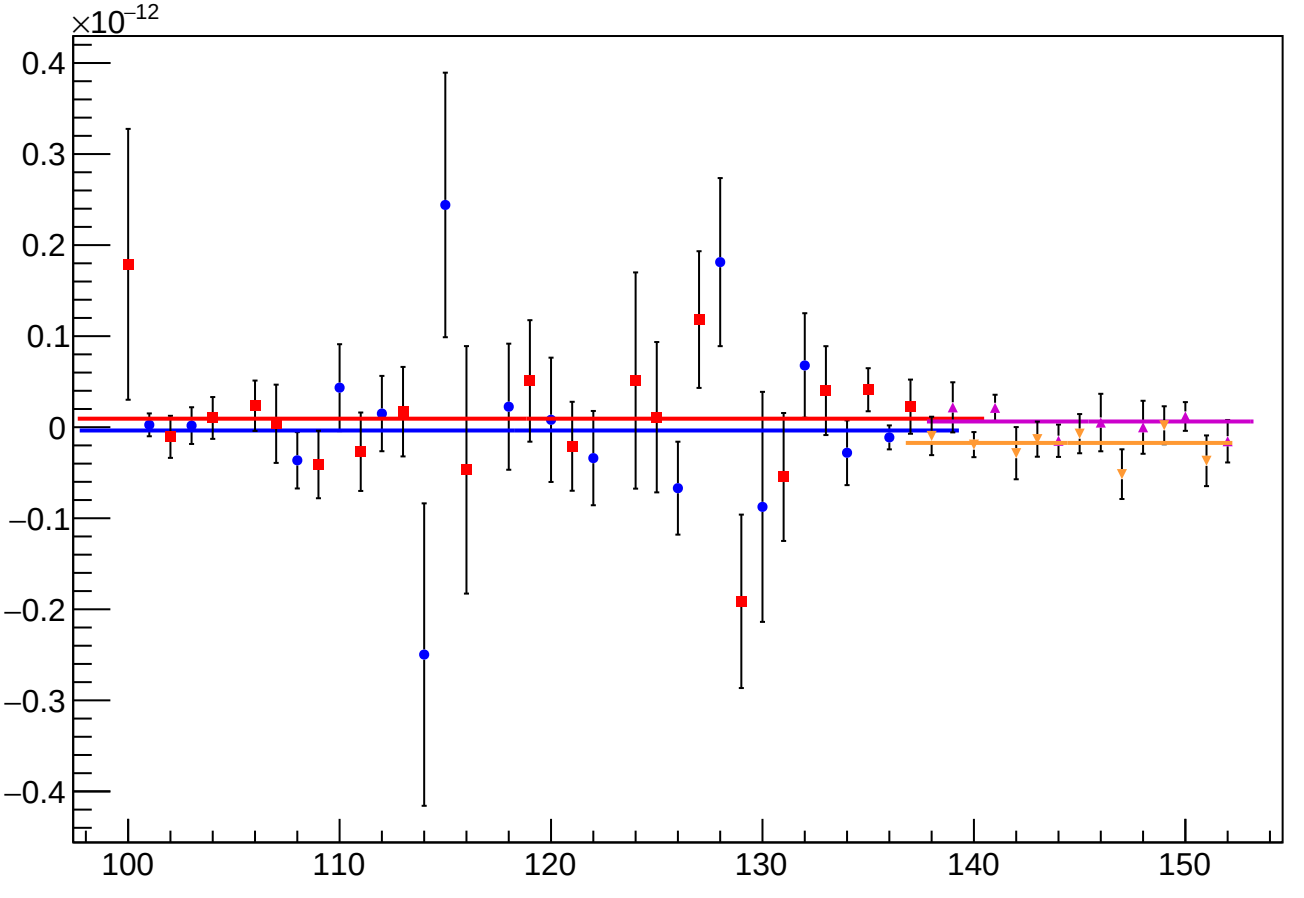
Left: 61.616+/-0.013 χ^2/NDF: 665131.5/14

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.597+/-0.010 χ^2/NDF:3036819.8/22

Out: 43.139+/-0.009 χ^2/NDF:3783708.6/26

All: 44.314+/-0.007 χ^2/NDF: 6854652.4/49



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:3.9/6

Left: -0.000+/-0.000 χ^2/NDF: 12.3/14

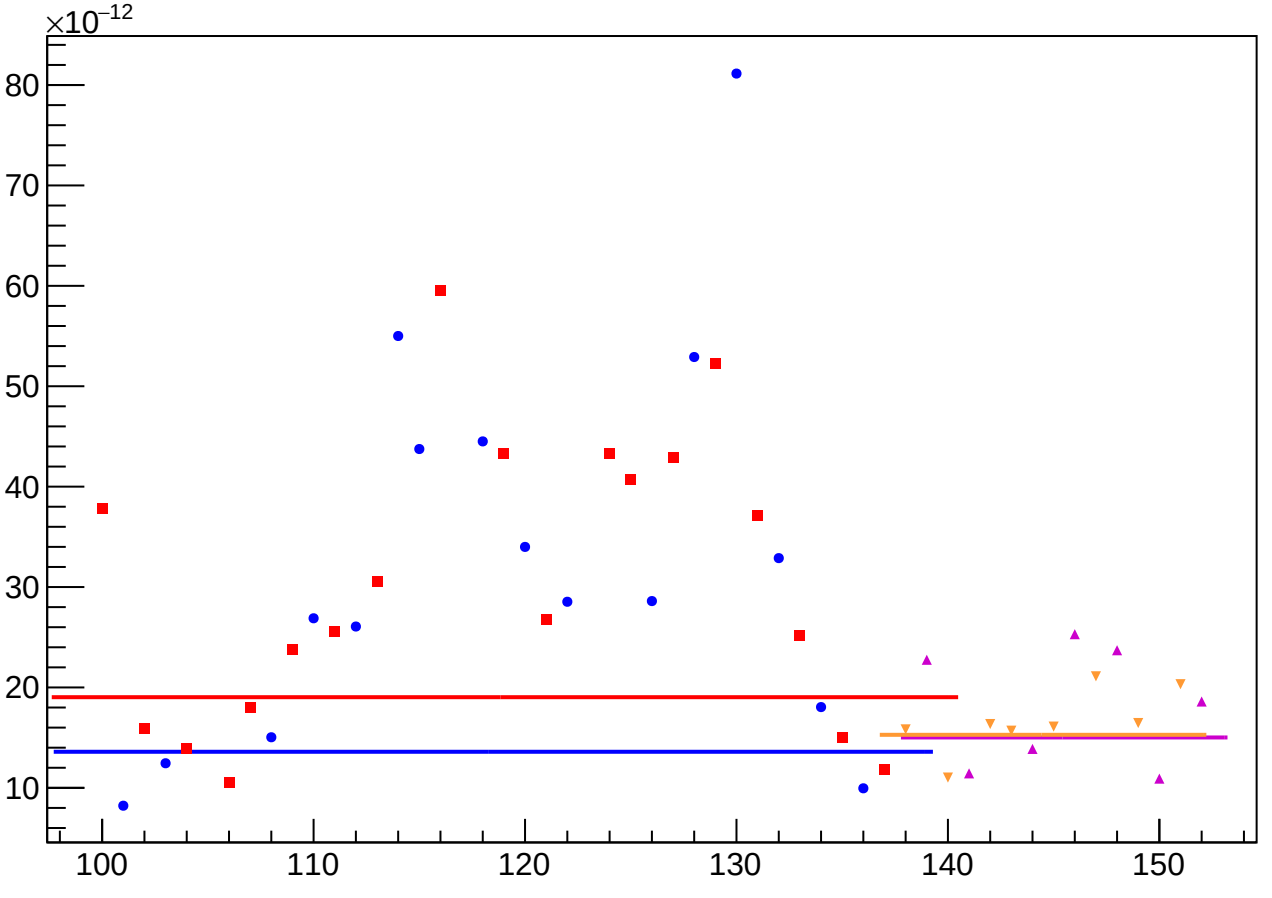
Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:21.3/22

Out: -0.000+/-0.000 χ^2/NDF:24.4/26

All: -0.000+/-0.000 χ^2/NDF: 46.8/49

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:361711.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

Left In: 0.000+/-0.000 χ^2/NDF:862808.7/6

Left: 0.000+/-0.000 χ^2/NDF: 1225773.1/14

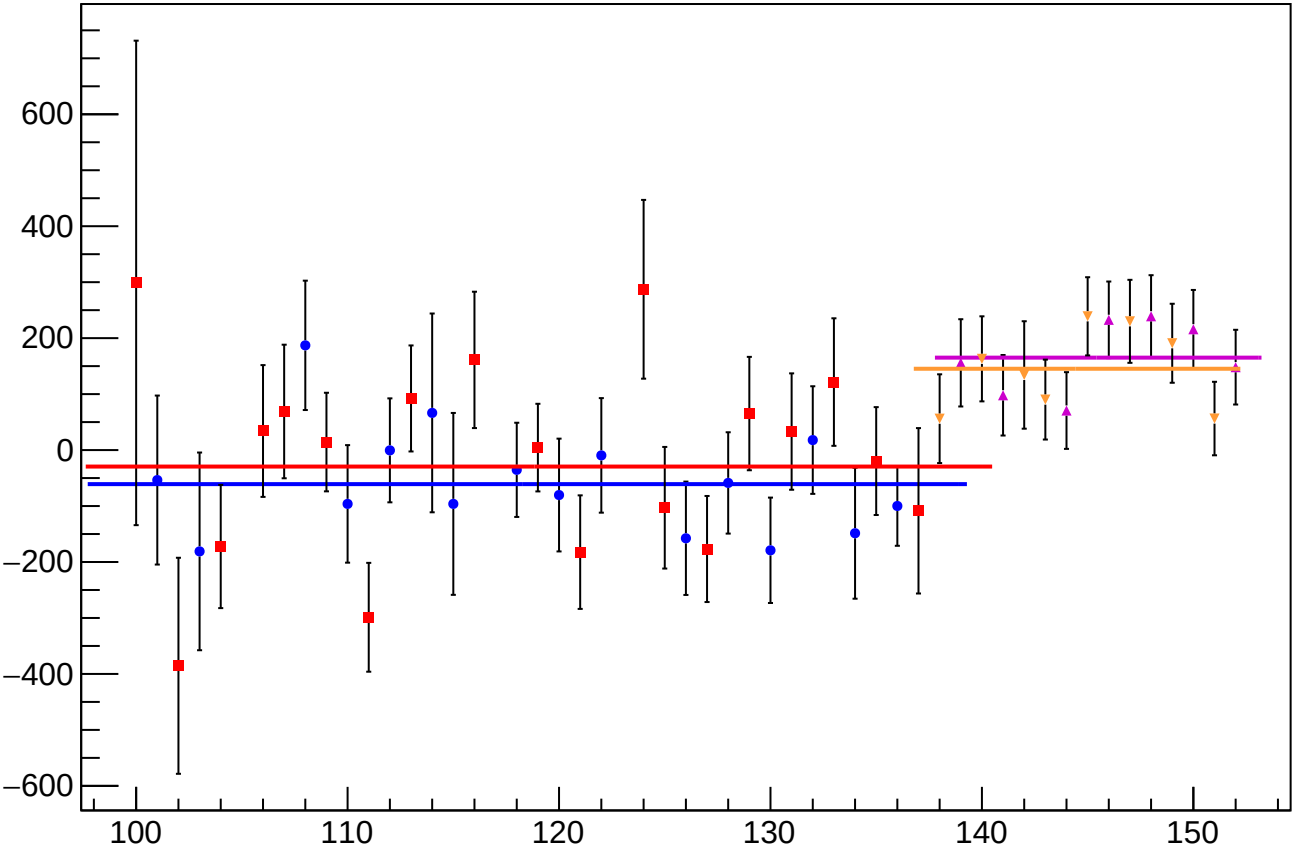
Right: 0.000+/-0.000 χ^2/NDF: 5674807.3/34

In: 0.000+/-0.000 χ^2/NDF:4086896.9/22

Out: 0.000+/-0.000 χ^2/NDF:2616394.9/26

All: 0.000+/-0.000 χ^2/NDF: 6910312.8/49

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: 165.154+/-26.755 χ^2/NDF:5.4/6

Left: 155.019+/-18.720 χ^2/NDF: 12.9/14

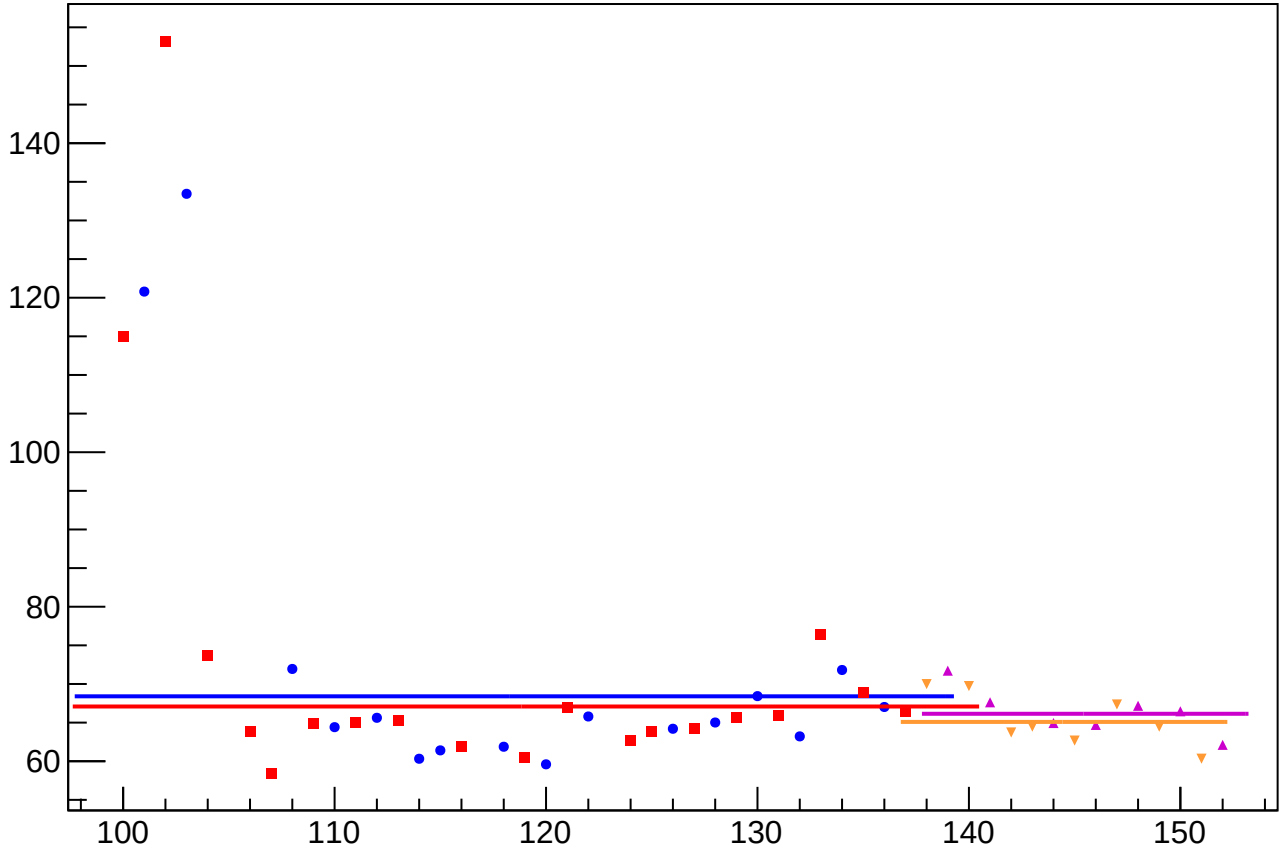
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 49.153+/-18.666 χ^2/NDF:52.6/22

Out: 54.185+/-18.128 χ^2/NDF:61.7/26

All: 51.742+/-13.004 χ^2/NDF: 114.3/49

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: 66.143+/-0.019 χ^2/NDF:20287.3/6

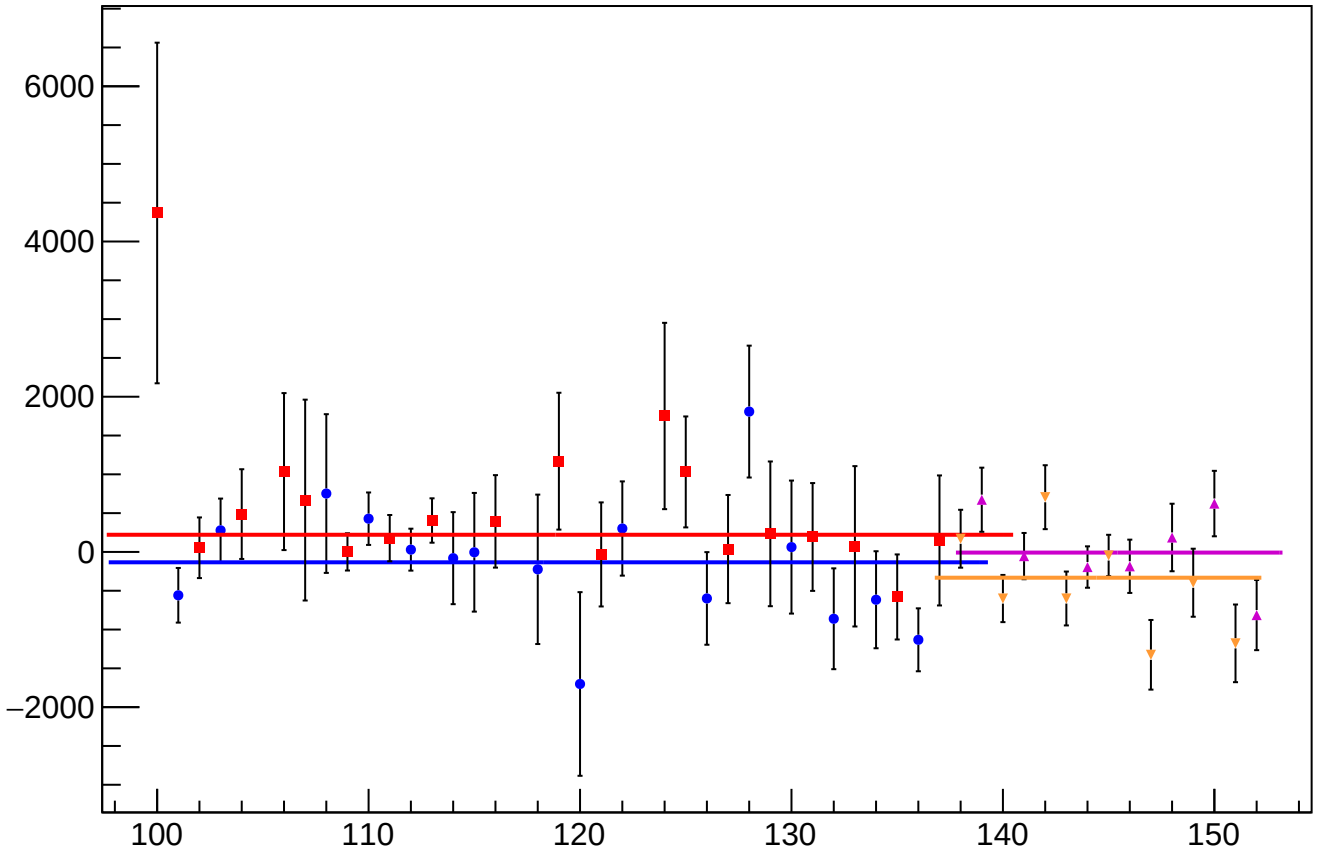
Left: 65.605+/-0.013 χ^2/NDF: 52391.7/14

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 67.303+/-0.013 χ^2/NDF:597173.6/22

Out: 66.131+/-0.013 χ^2/NDF:518388.2/26

All: 66.700+/-0.009 χ^2/NDF: 1119622.4/49



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: -8.357+/-134.283 χ^2/NDF:9.1/6

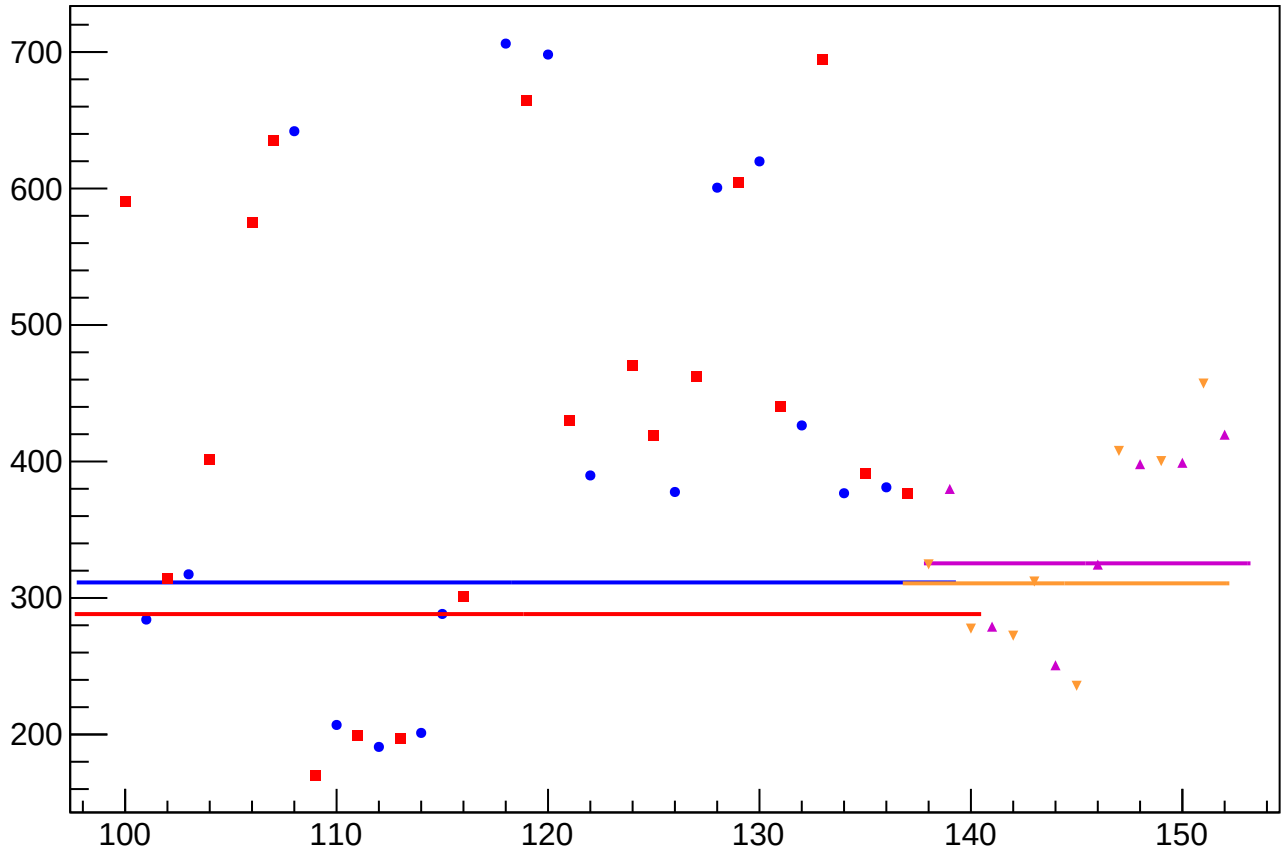
Left: -177.226+/-92.875 χ^2/NDF: 30.6/14

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -75.003+/-91.847 χ^2/NDF:32.0/22

Out: -31.146+/-86.856 χ^2/NDF:41.1/26

All: -51.850+/-63.107 χ^2/NDF: 73.2/49



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: 325.381+/-0.095 χ^2/NDF:443975.5/6

Left: 317.734+/-0.066 χ^2/NDF: 1007406.6/14

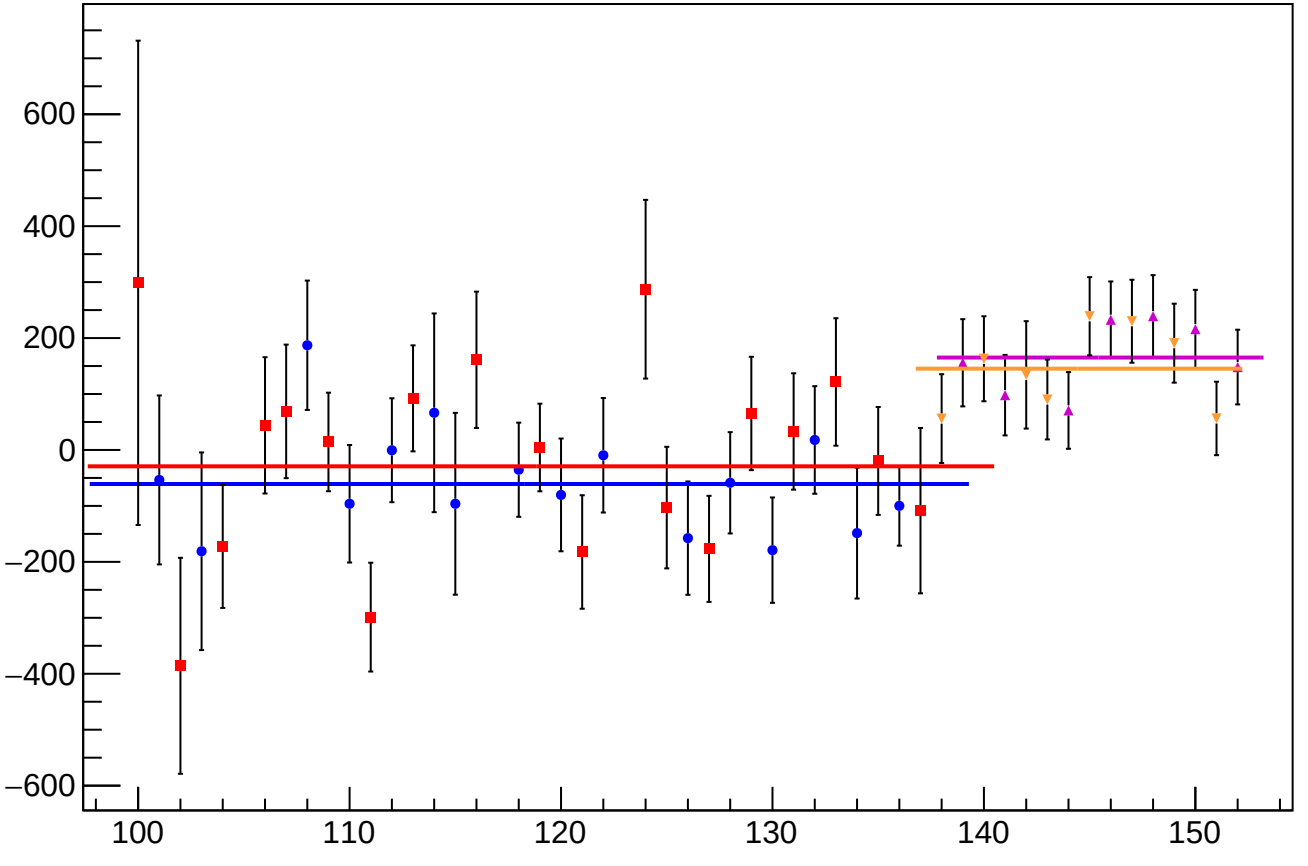
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 317.933+/-0.065 χ^2/NDF:2579334.1/22

Out: 298.477+/-0.061 χ^2/NDF:3299723.8/26

All: 307.662+/-0.045 χ^2/NDF: 5926436.6/49

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: 165.154+/-26.755 χ^2/NDF:5.4/6

Left: 155.019+/-18.720 χ^2/NDF: 12.9/14

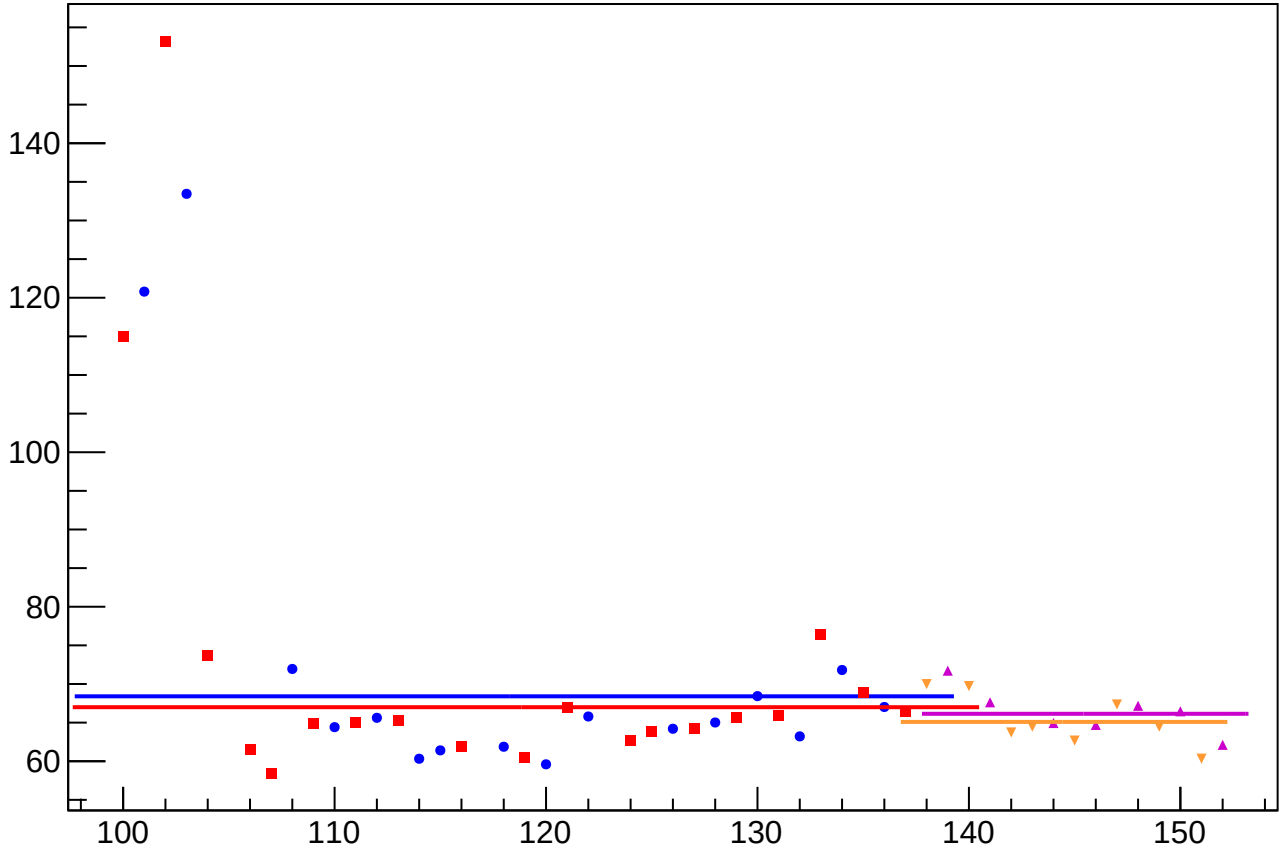
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 49.152+/-18.666 χ^2/NDF:52.6/22

Out: 54.437+/-18.142 χ^2/NDF:61.7/26

All: 51.870+/-13.010 χ^2/NDF: 114.3/49

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: 66.143+/-0.019 χ^2/NDF:20287.3/6

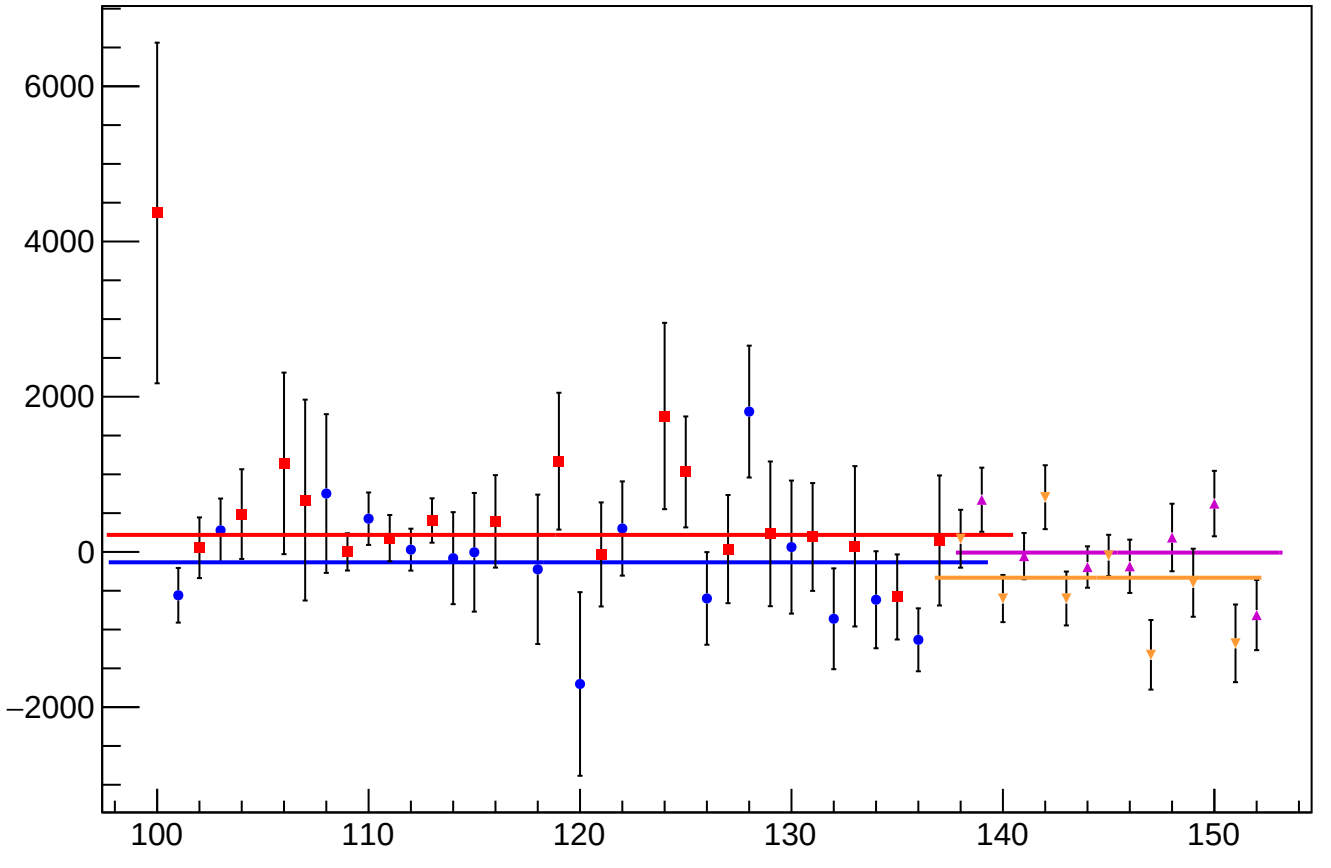
Left: 65.605+/-0.013 χ^2/NDF: 52391.7/14

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 67.303+/-0.013 χ^2/NDF:597174.0/22

Out: 66.082+/-0.013 χ^2/NDF:520513.2/26

All: 66.675+/-0.009 χ^2/NDF: 1122090.4/49



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: -8.360+/-134.283 χ^2/NDF:9.1/6

Left: -177.226+/-92.875 χ^2/NDF: 30.6/14

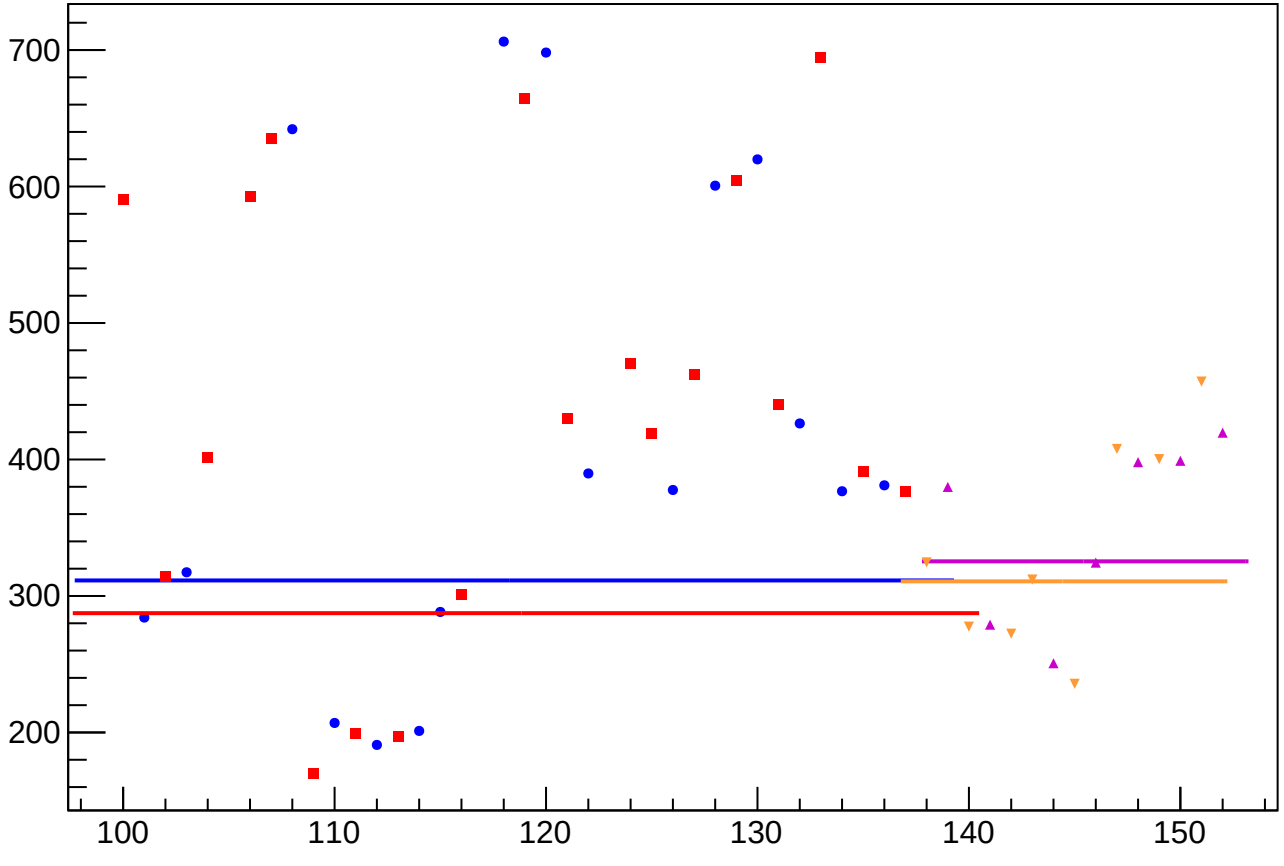
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -75.002+/-91.847 χ^2/NDF:32.0/22

Out: -32.555+/-86.938 χ^2/NDF:41.0/26

All: -52.614+/-63.139 χ^2/NDF: 73.1/49

asym_sam7_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: 325.382+/-0.095 χ^2/NDF:443975.4/6

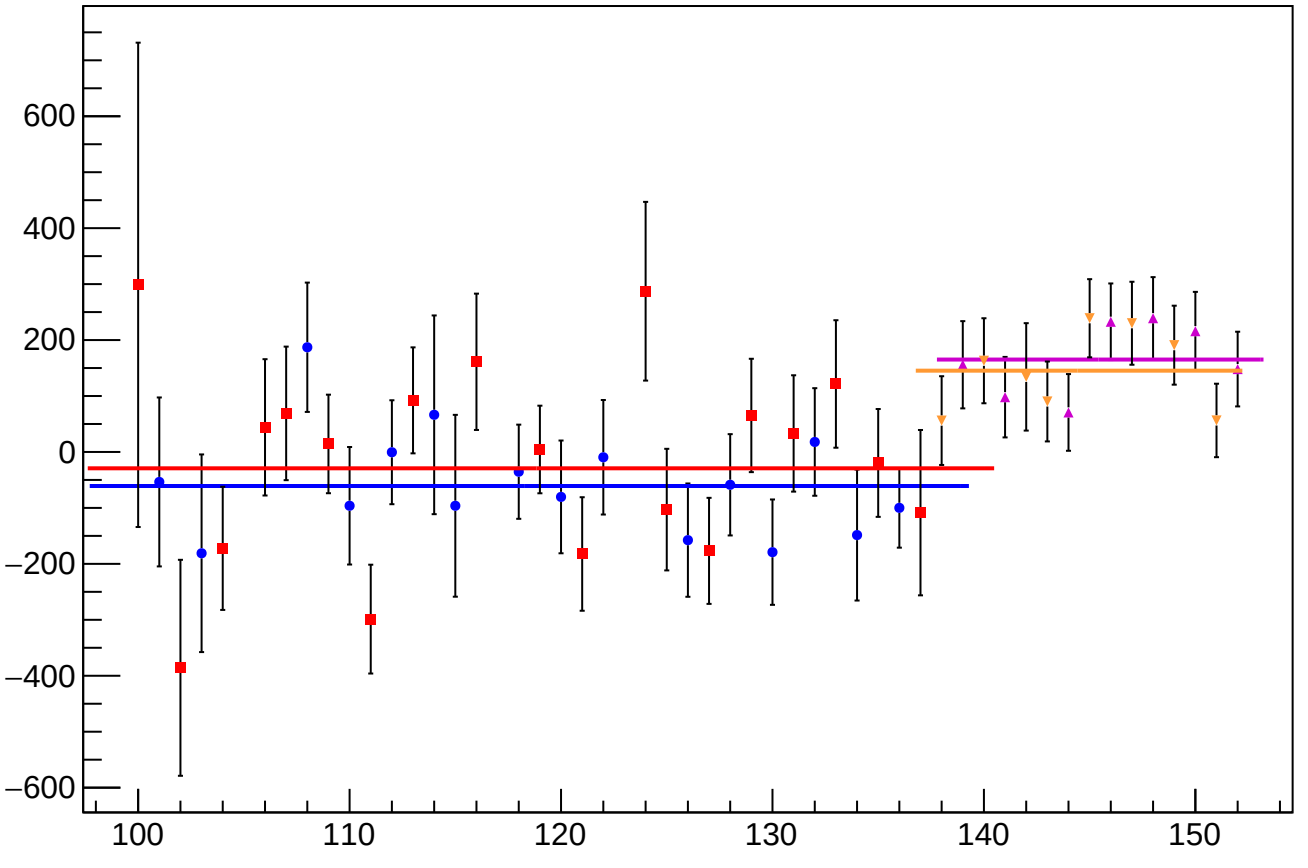
Left: 317.734+/-0.066 χ^2/NDF: 1007409.6/14

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 317.935+/-0.065 χ^2/NDF:2579332.7/22

Out: 298.067+/-0.061 χ^2/NDF:3276931.7/26

All: 307.456+/-0.045 χ^2/NDF: 5905624.1/49



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: 165.154+/-26.755 χ^2/NDF:5.4/6

Left: 155.019+/-18.720 χ^2/NDF: 12.9/14

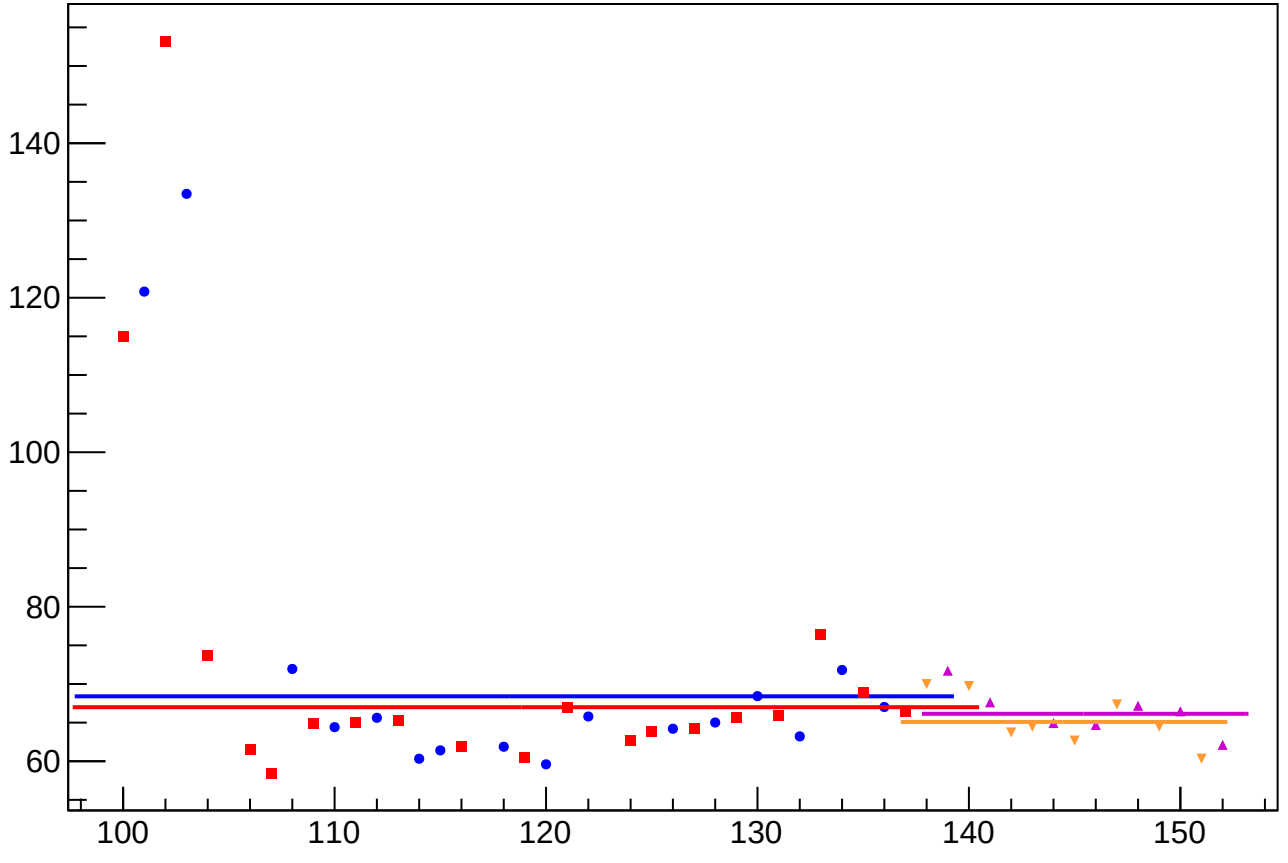
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 49.152+/-18.666 χ^2/NDF:52.6/22

Out: 54.437+/-18.142 χ^2/NDF:61.7/26

All: 51.870+/-13.010 χ^2/NDF: 114.3/49

eigen_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: 66.143+/-0.019 χ^2/NDF:20287.3/6

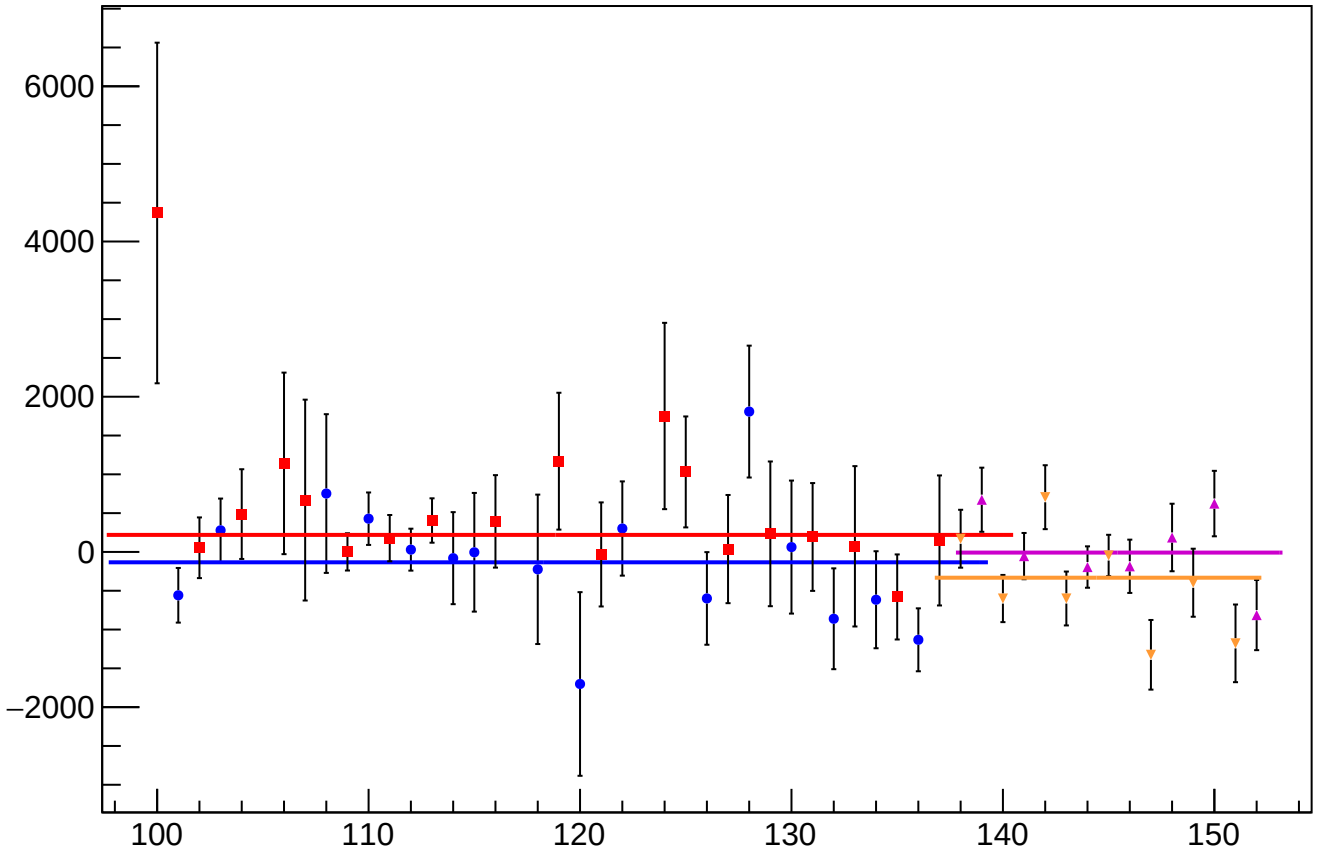
Left: 65.605+/-0.013 χ^2/NDF: 52391.7/14

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 67.303+/-0.013 χ^2/NDF:597174.0/22

Out: 66.082+/-0.013 χ^2/NDF:520513.2/26

All: 66.675+/-0.009 χ^2/NDF: 1122090.4/49



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: -8.360+/-134.283 χ^2/NDF:9.1/6

Left: -177.226+/-92.875 χ^2/NDF: 30.6/14

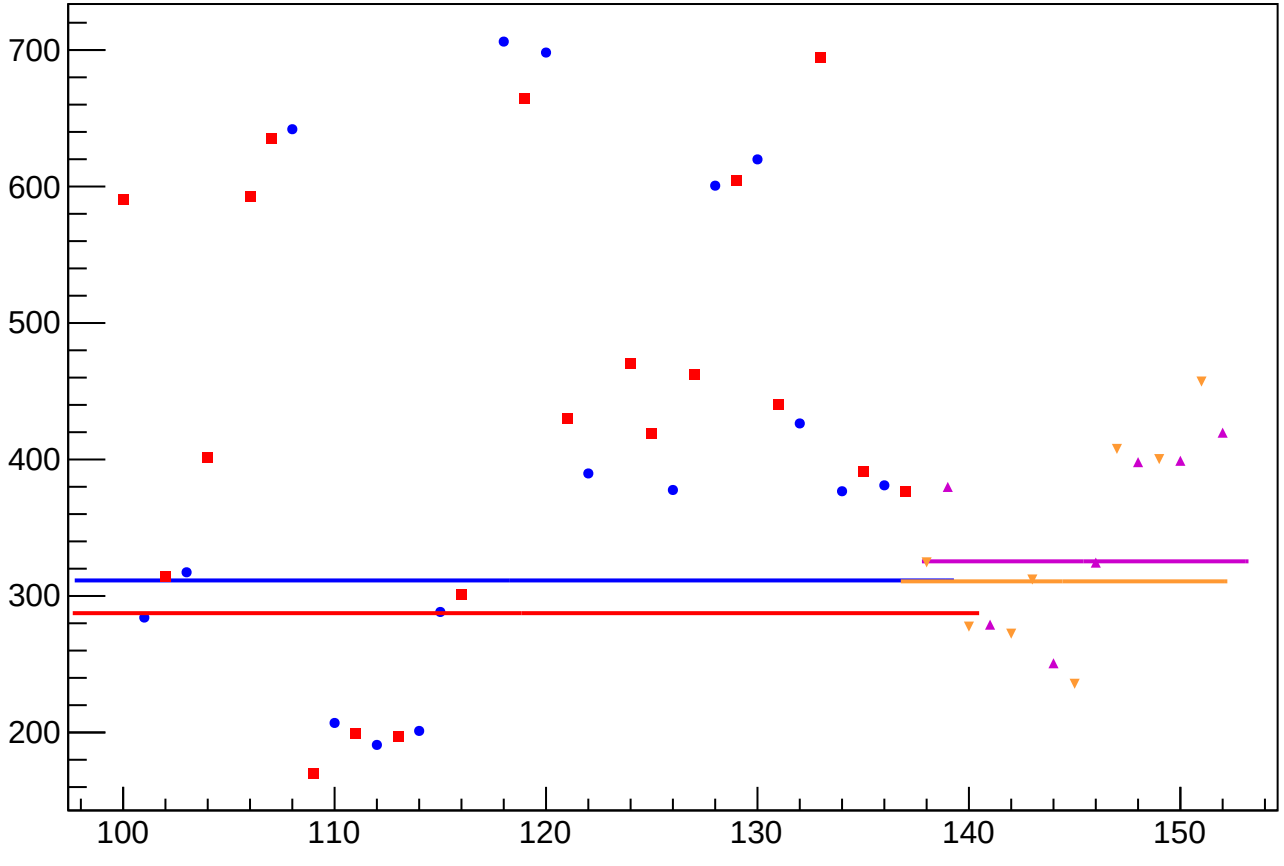
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -75.002+/-91.847 χ^2/NDF:32.0/22

Out: -32.555+/-86.938 χ^2/NDF:41.0/26

All: -52.614+/-63.139 χ^2/NDF: 73.1/49

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: 325.382+/-0.095 χ^2/NDF:443975.4/6

Left: 317.734+/-0.066 χ^2/NDF: 1007409.6/14

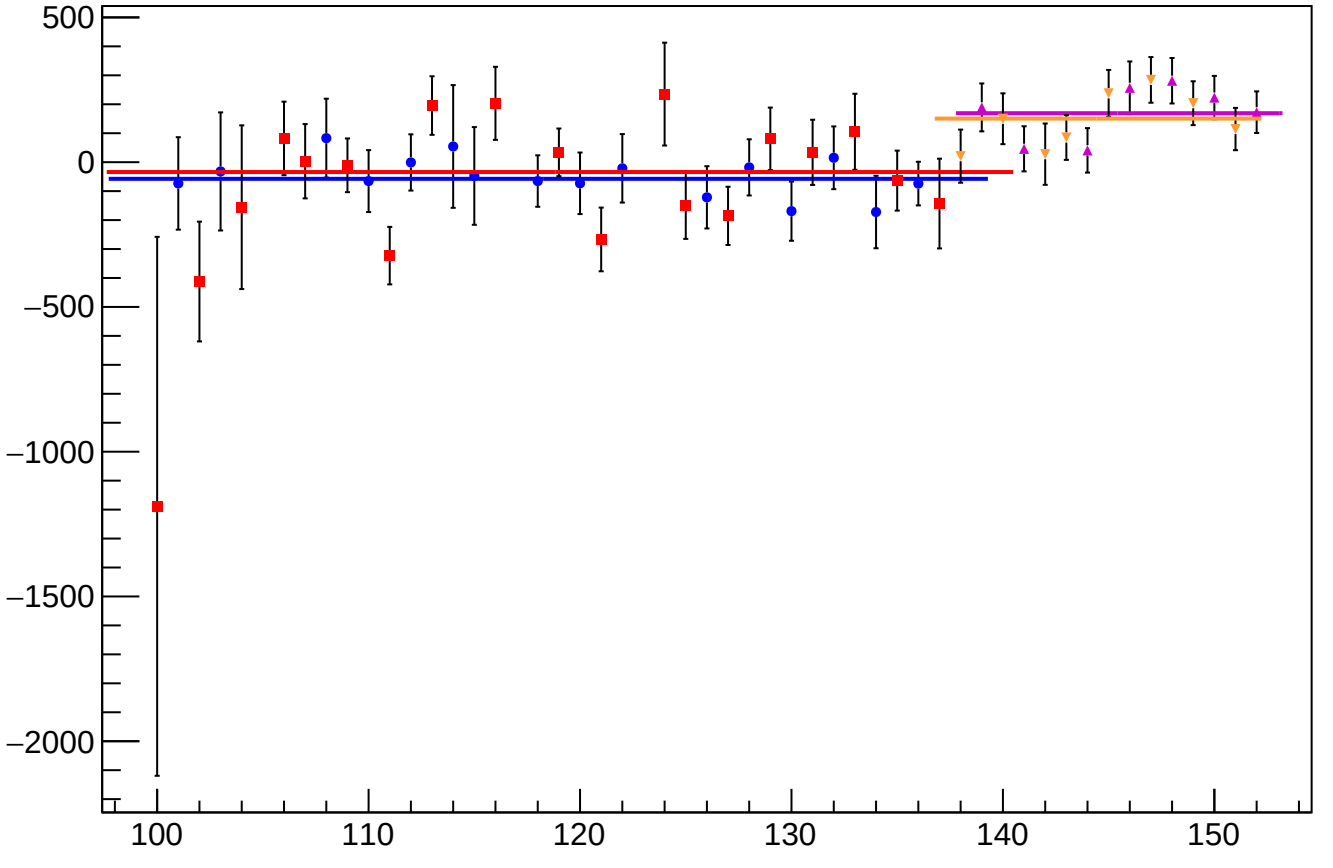
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 317.935+/-0.065 χ^2/NDF:2579332.7/22

Out: 298.067+/-0.061 χ^2/NDF:3276931.7/26

All: 307.456+/-0.045 χ^2/NDF: 5905624.1/49

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: 169.123+/-29.677 χ^2/NDF:8.8/6

Left: 159.648+/-20.779 χ^2/NDF: 17.9/14

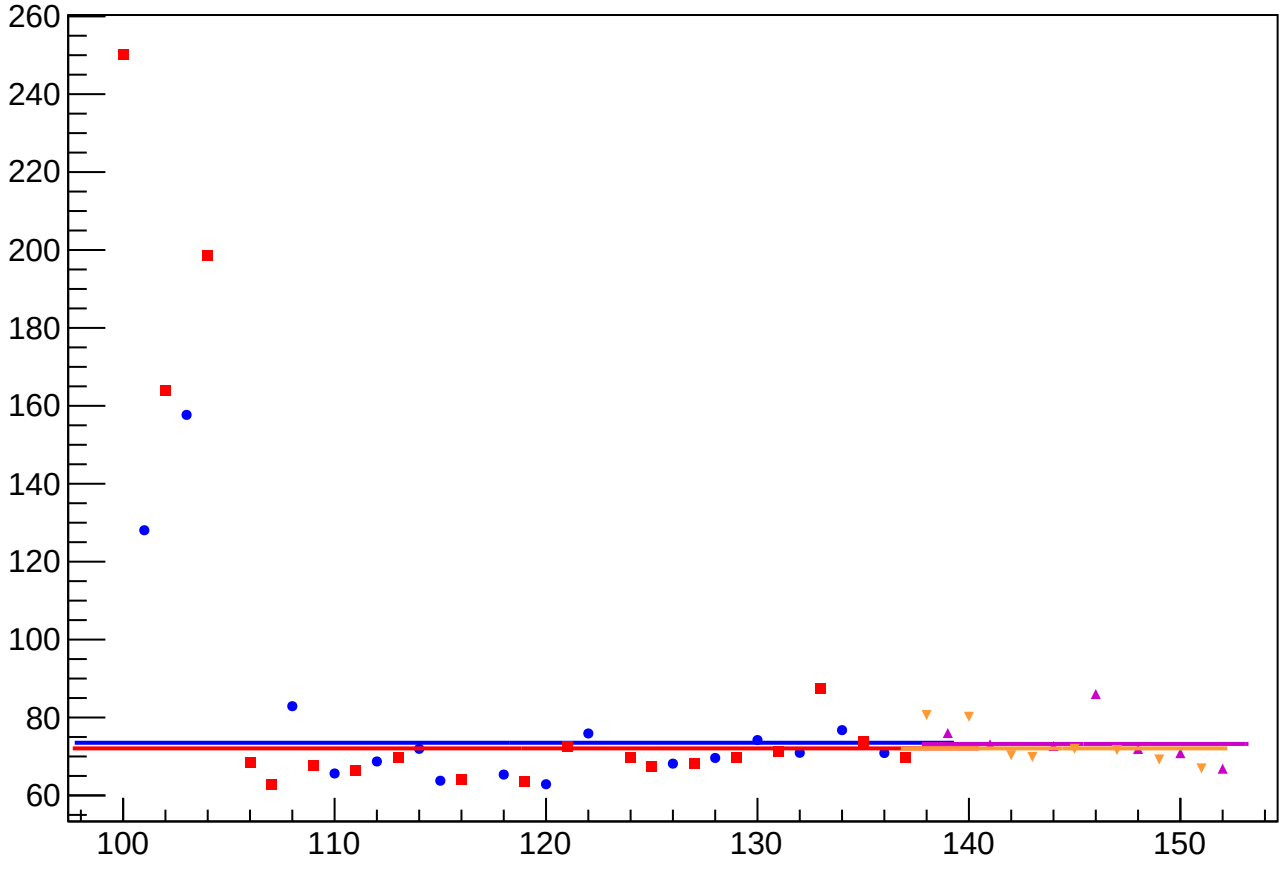
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 49.559+/-20.400 χ^2/NDF:44.5/22

Out: 52.687+/-19.949 χ^2/NDF:67.3/26

All: 51.158+/-14.263 χ^2/NDF: 111.8/49

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: 73.212+/-0.021 χ^2/NDF:60223.0/6

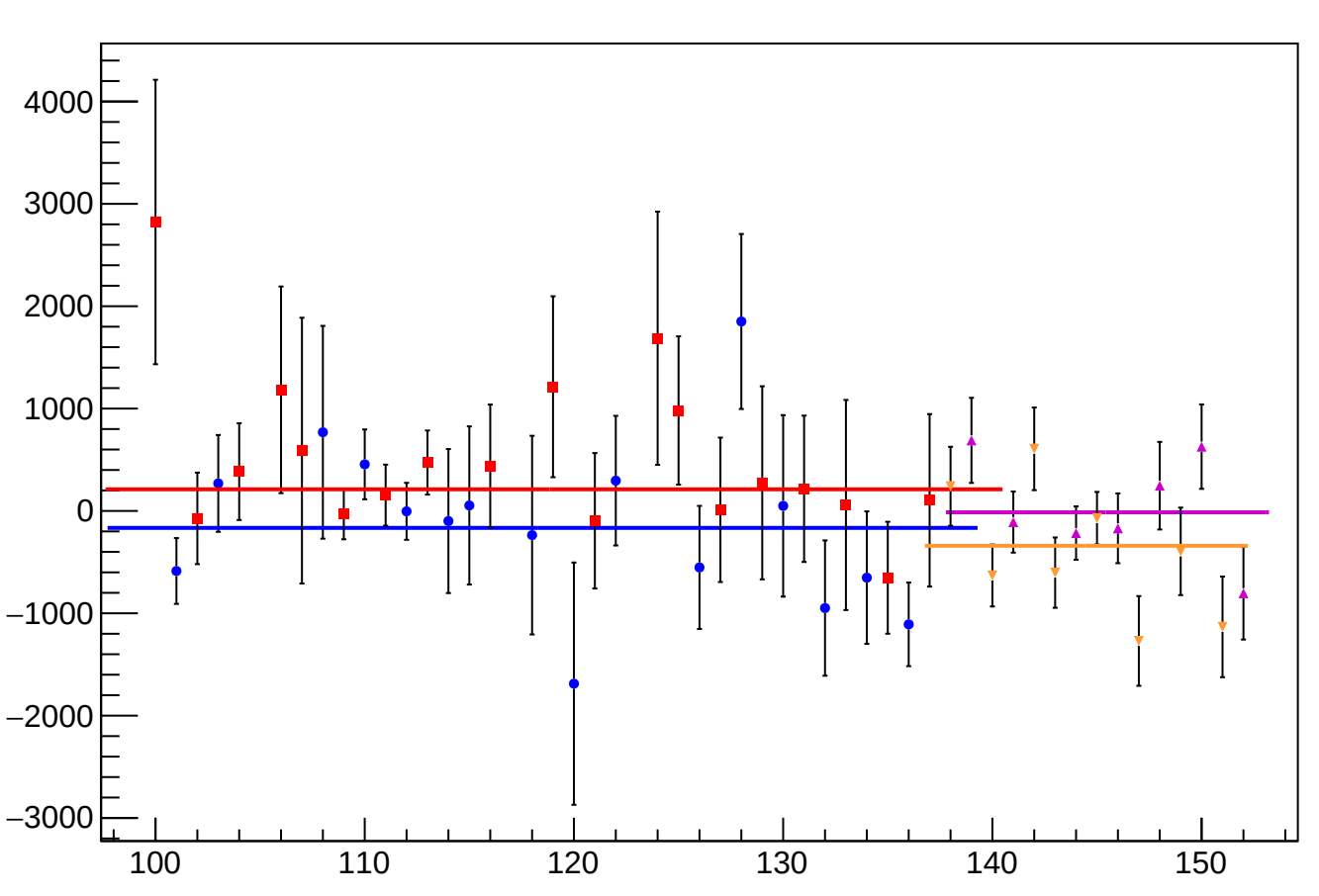
Left: 72.630+/-0.015 χ^2/NDF: 111175.9/14

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 73.374+/-0.014 χ^2/NDF:717183.7/22

Out: 72.073+/-0.014 χ^2/NDF:1007942.7/26

All: 72.709+/-0.010 χ^2/NDF: 1729285.0/49



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: -13.580+/-132.940 χ^2/NDF:9.6/6

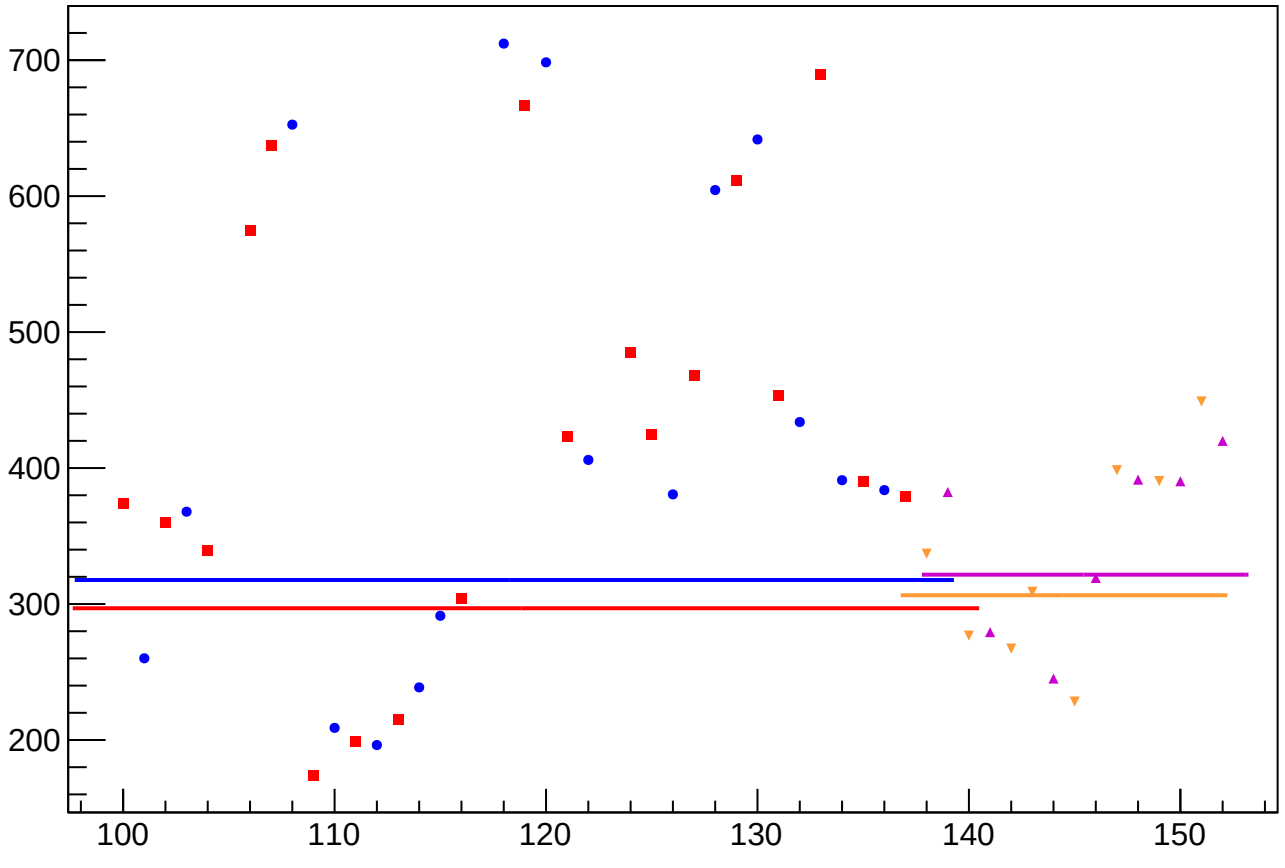
Left: -184.677+/-91.728 χ^2/NDF: 30.3/14

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -92.156+/-92.370 χ^2/NDF:32.9/22

Out: -49.655+/-87.181 χ^2/NDF:41.1/26

All: -69.679+/-63.401 χ^2/NDF: 74.1/49



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: 321.591+/-0.094 χ^2/NDF:458422.2/6

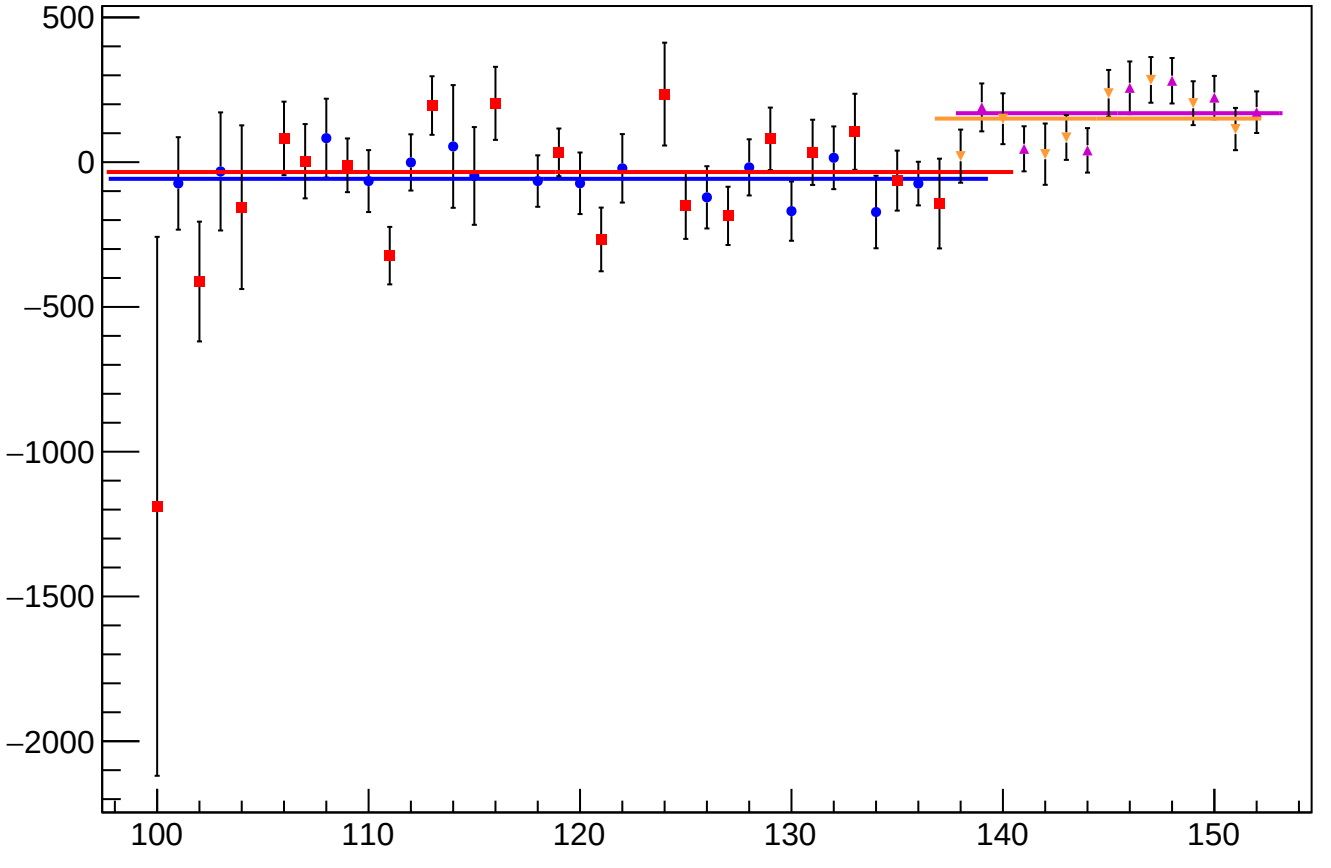
Left: 313.664+/-0.065 χ^2/NDF: 1042234.0/14

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 319.560+/-0.065 χ^2/NDF:2595517.6/22

Out: 301.418+/-0.062 χ^2/NDF:3117290.7/26

All: 309.965+/-0.045 χ^2/NDF: 5753608.4/49



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: 169.123+/-29.677 χ^2/NDF:8.8/6

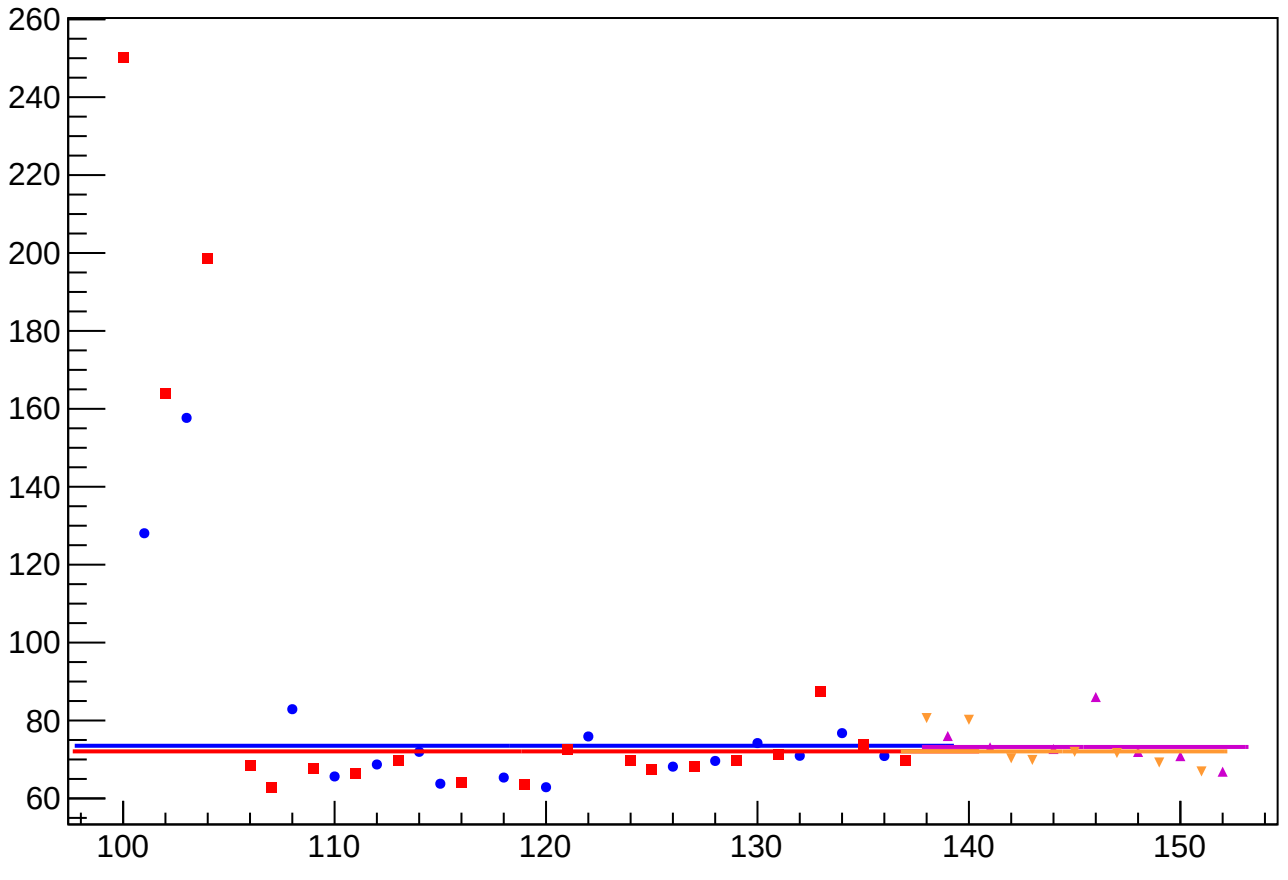
Left: 159.647+/-20.779 χ^2/NDF: 17.9/14

Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 49.559+/-20.400 χ^2/NDF:44.5/22

Out: 52.685+/-19.949 χ^2/NDF:67.3/26

All: 51.157+/-14.263 χ^2/NDF: 111.8/49



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: 73.212+/-0.021 χ^2/NDF:60223.6/6

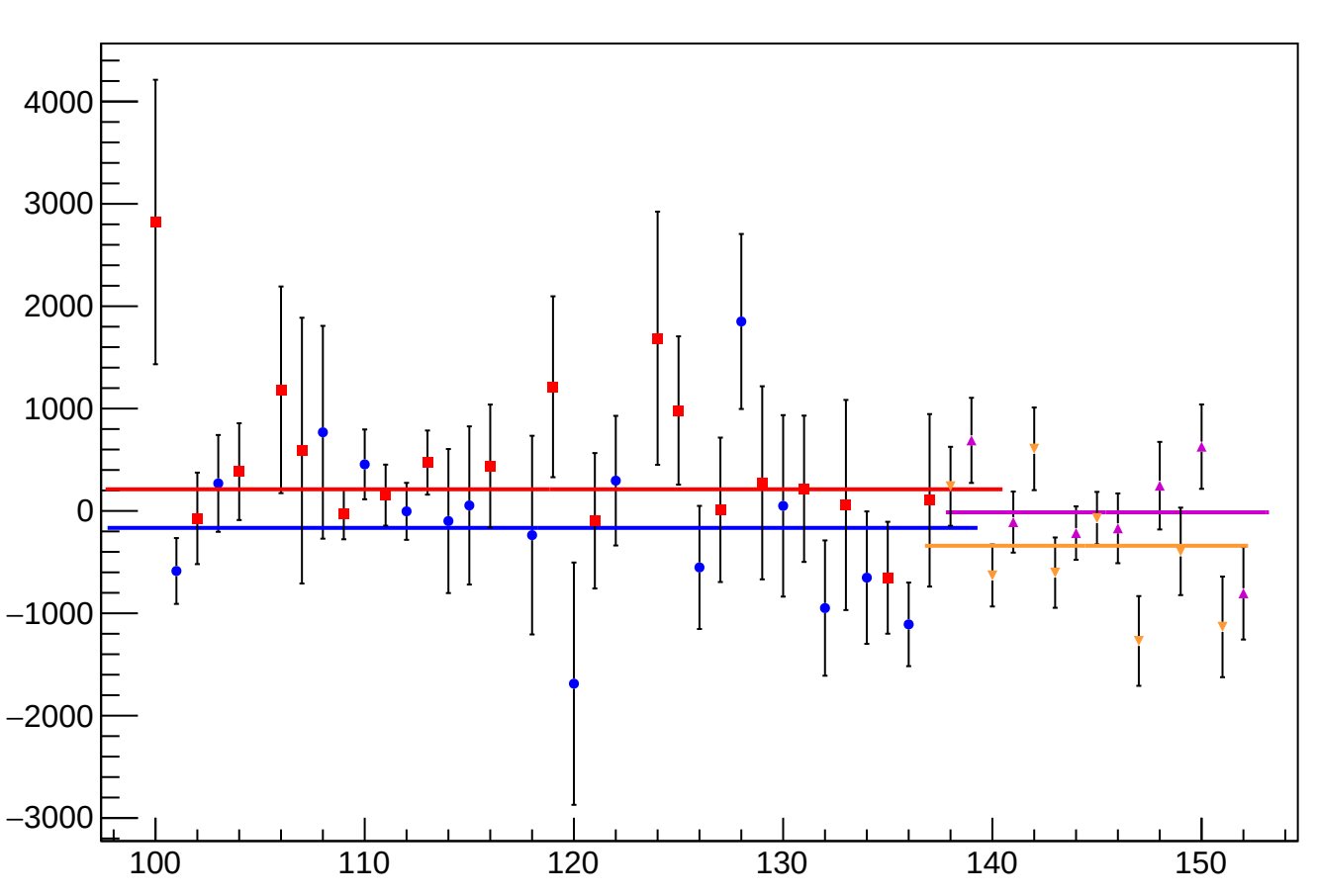
Left: 72.630+/-0.015 χ^2/NDF: 111176.6/14

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 73.374+/-0.014 χ^2/NDF:717185.9/22

Out: 72.073+/-0.014 χ^2/NDF:1007944.1/26

All: 72.709+/-0.010 χ^2/NDF: 1729288.5/49



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: -13.580+/-132.940 χ^2/NDF:9.6/6

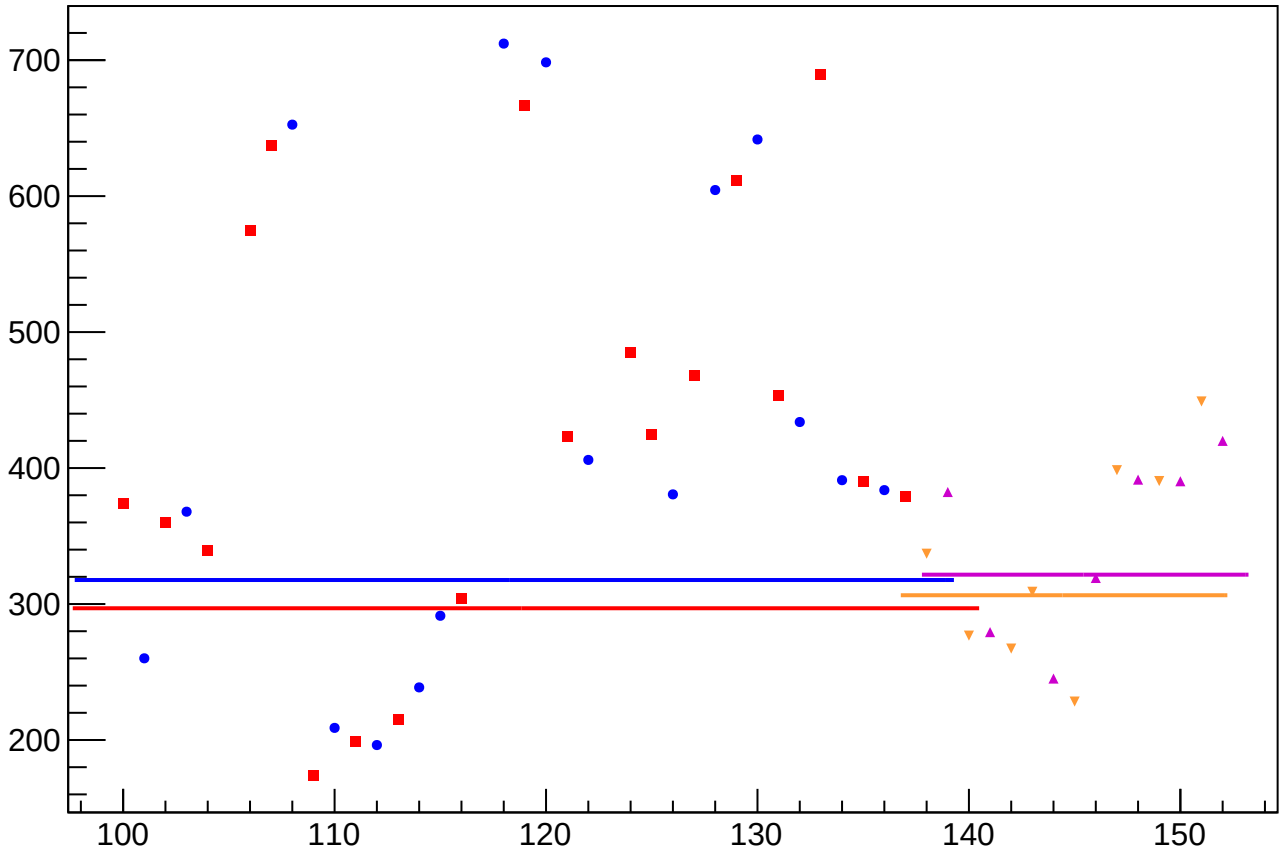
Left: -184.678+/-91.728 χ^2/NDF: 30.3/14

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -92.156+/-92.370 χ^2/NDF:32.9/22

Out: -49.655+/-87.181 χ^2/NDF:41.1/26

All: -69.678+/-63.401 χ^2/NDF: 74.1/49



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: 321.591+/-0.094 χ^2/NDF:458428.1/6

Left: 313.664+/-0.065 χ^2/NDF: 1042249.3/14

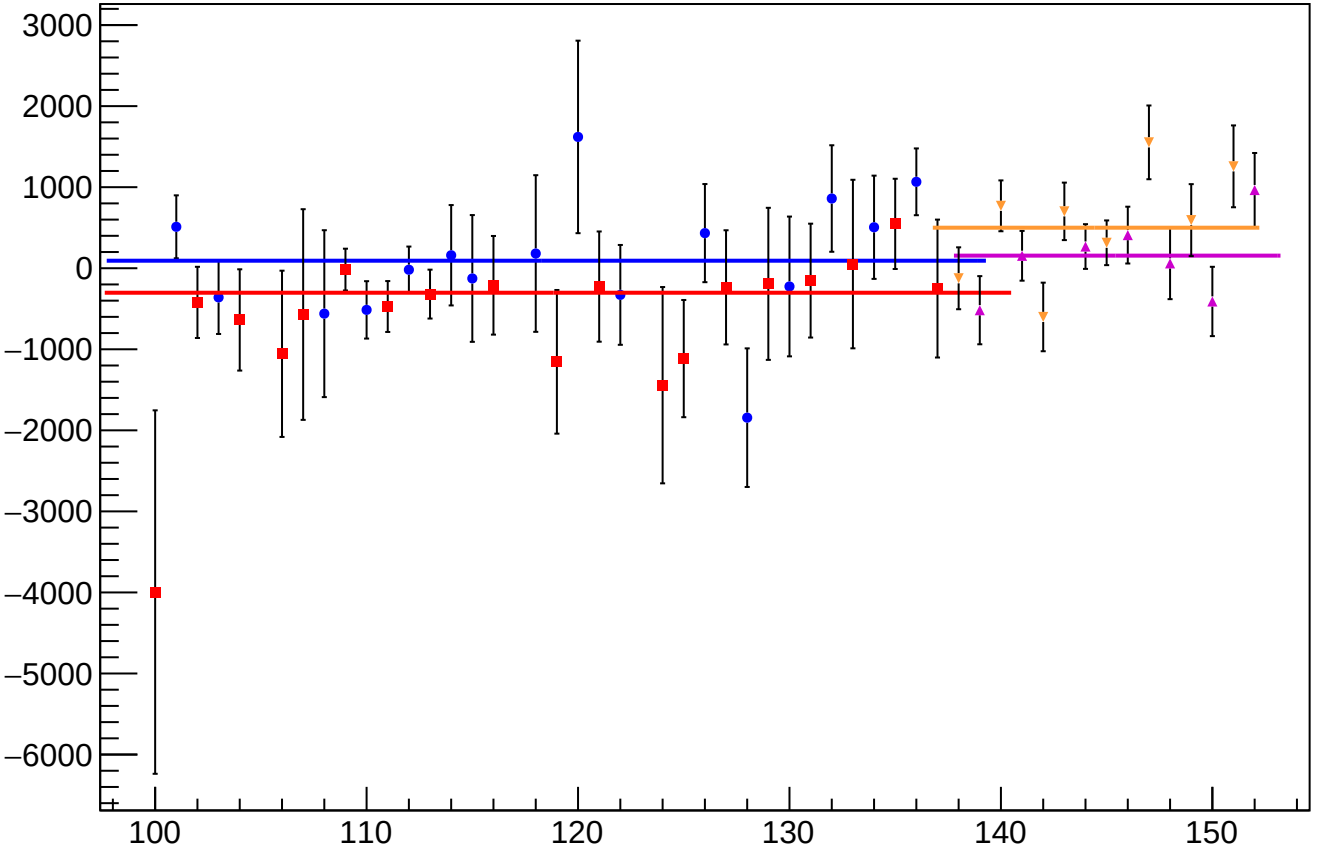
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 319.558+/-0.065 χ^2/NDF:2595556.1/22

Out: 301.417+/-0.062 χ^2/NDF:3117311.8/26

All: 309.964+/-0.045 χ^2/NDF: 5753666.8/49

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: 155.523+/-137.425 χ^2/NDF:8.2/6

Left: 334.935+/-95.141 χ^2/NDF: 30.1/14

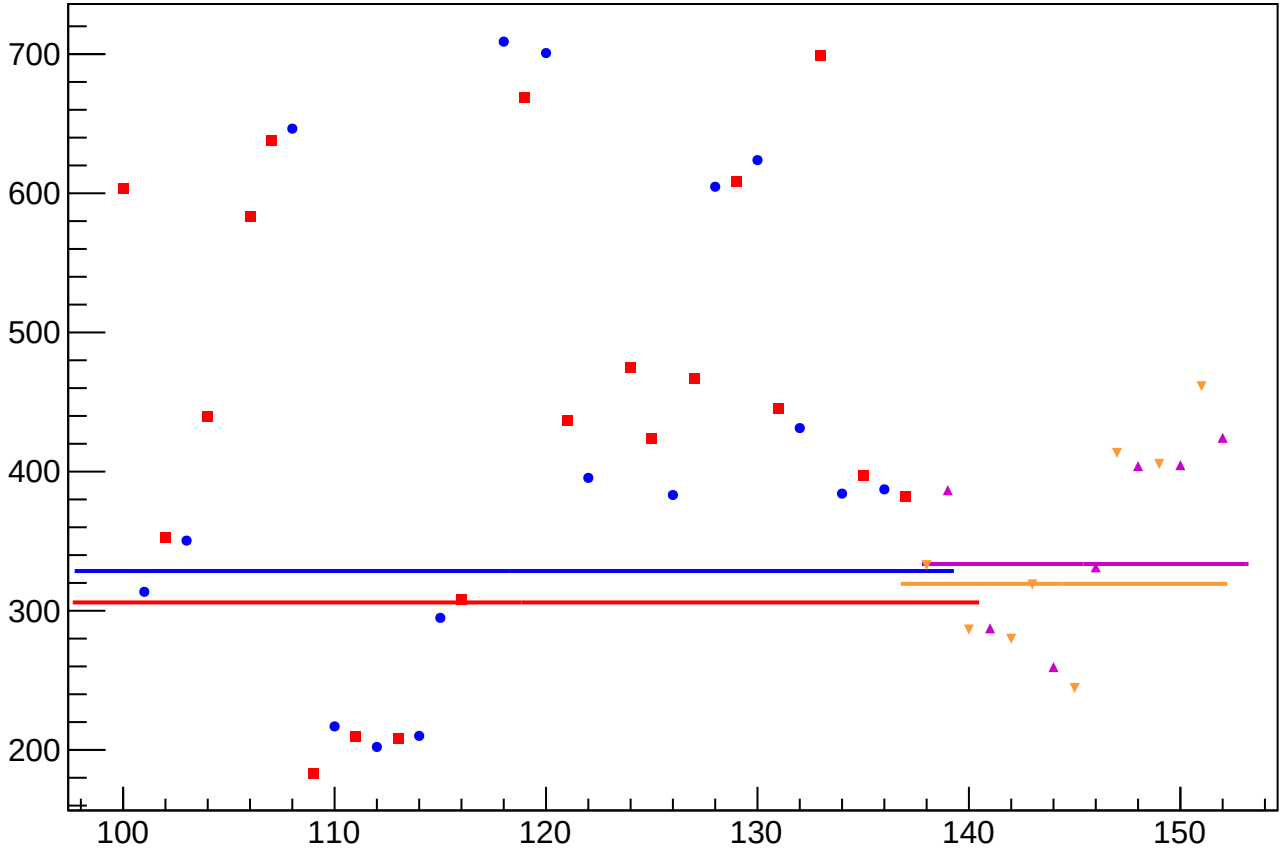
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 122.883+/-95.171 χ^2/NDF:29.1/22

Out: 74.048+/-90.296 χ^2/NDF:49.1/26

All: 97.183+/-65.504 χ^2/NDF: 78.3/49

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: 333.622+/-0.097 χ^2/NDF:406324.4/6

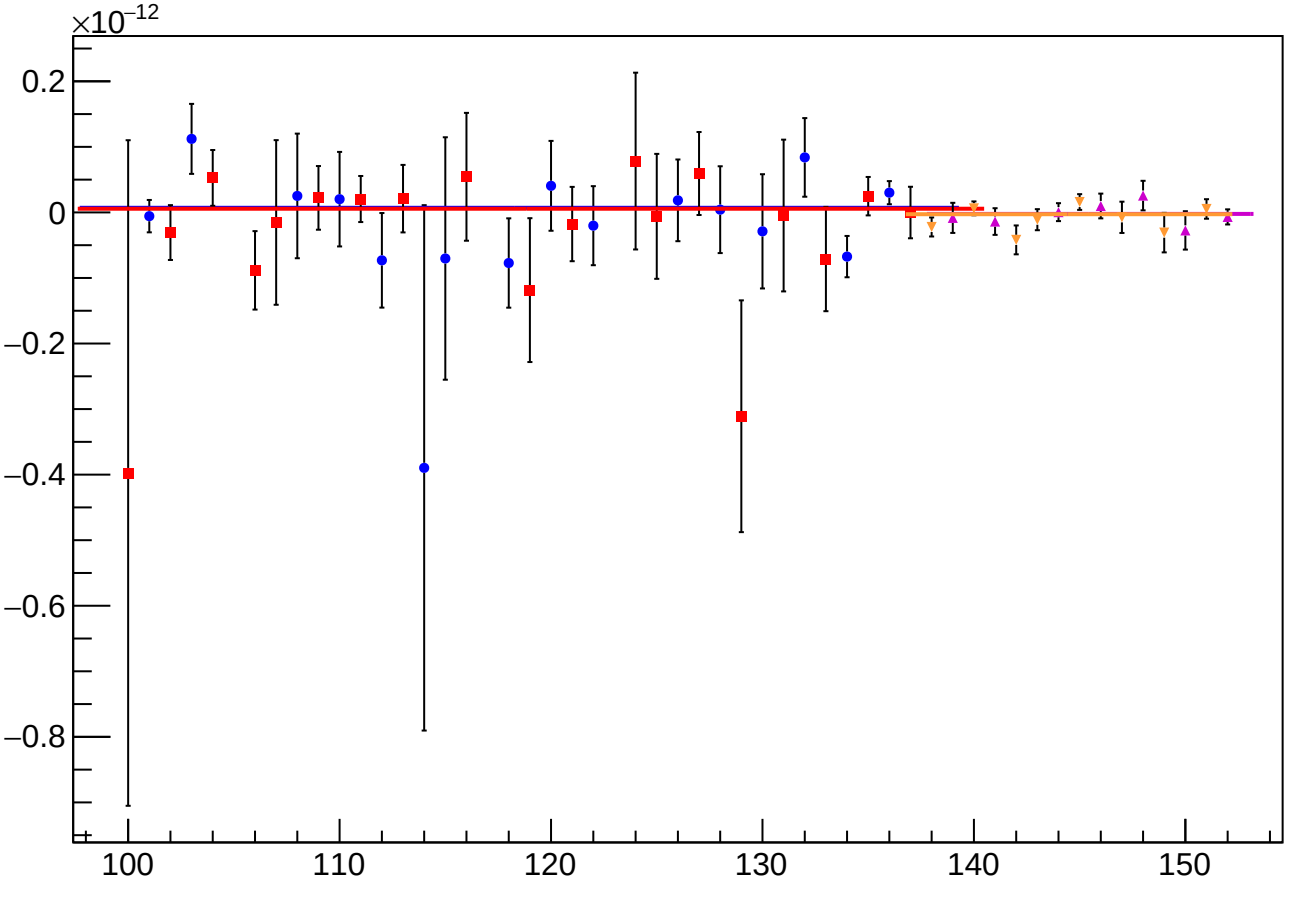
Left: 326.179+/-0.067 χ^2/NDF: 925569.2/14

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 330.991+/-0.067 χ^2/NDF:2366606.0/22

Out: 312.245+/-0.064 χ^2/NDF:3046311.1/26

All: 321.125+/-0.046 χ^2/NDF: 5453754.8/49



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:3.3/6

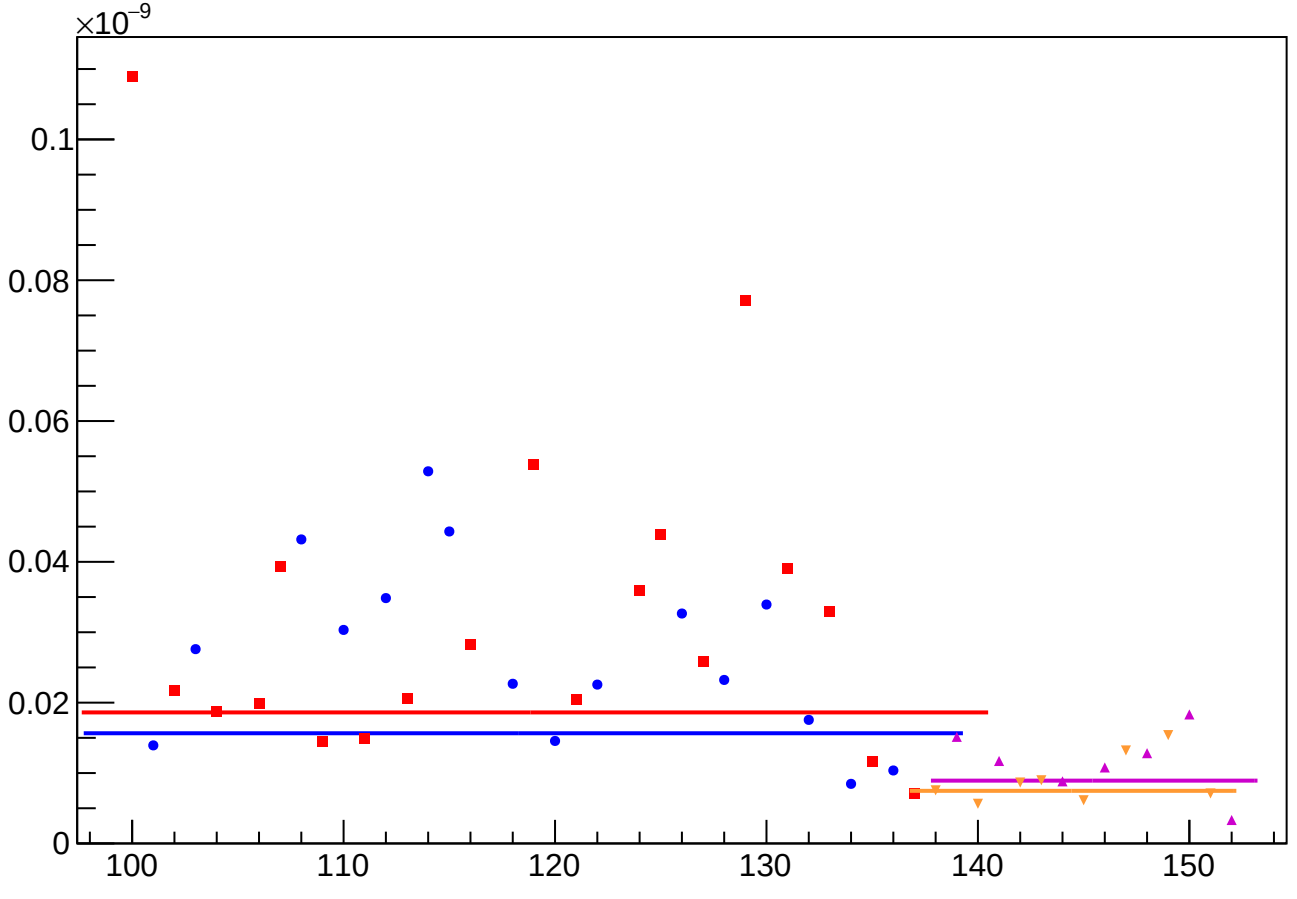
Left: -0.000+/-0.000 χ^2/NDF: 12.8/14

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:21.5/22

Out: -0.000+/-0.000 χ^2/NDF:22.7/26

All: -0.000+/-0.000 χ^2/NDF: 44.3/49



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:939682.4/6

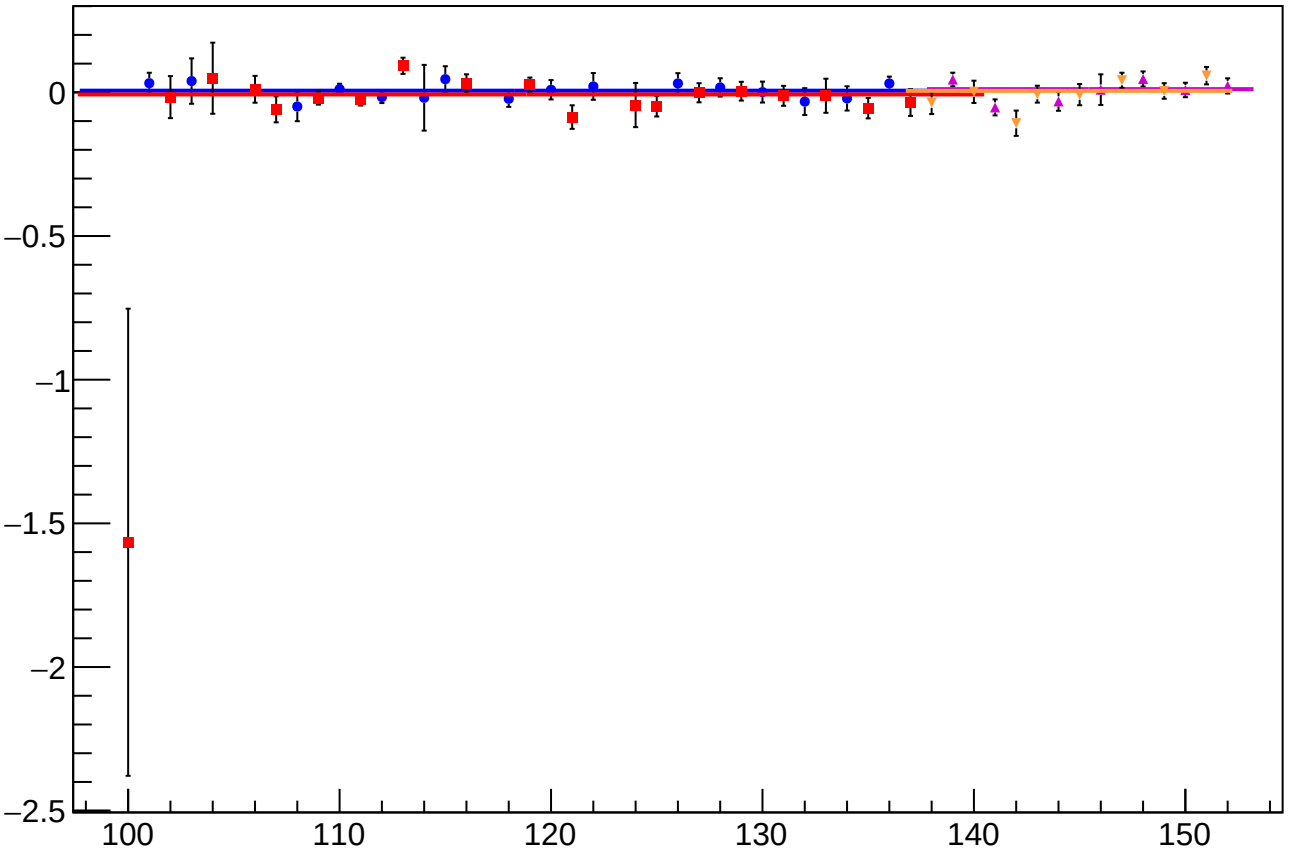
Left: 0.000+/-0.000 χ^2/NDF: 1360522.8/14

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2659275.6/22

Out: 0.000+/-0.000 χ^2/NDF:2869556.4/26

All: 0.000+/-0.000 χ^2/NDF: 5612660.1/49



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: 0.011+/-0.011 χ^2/NDF:10.9/6

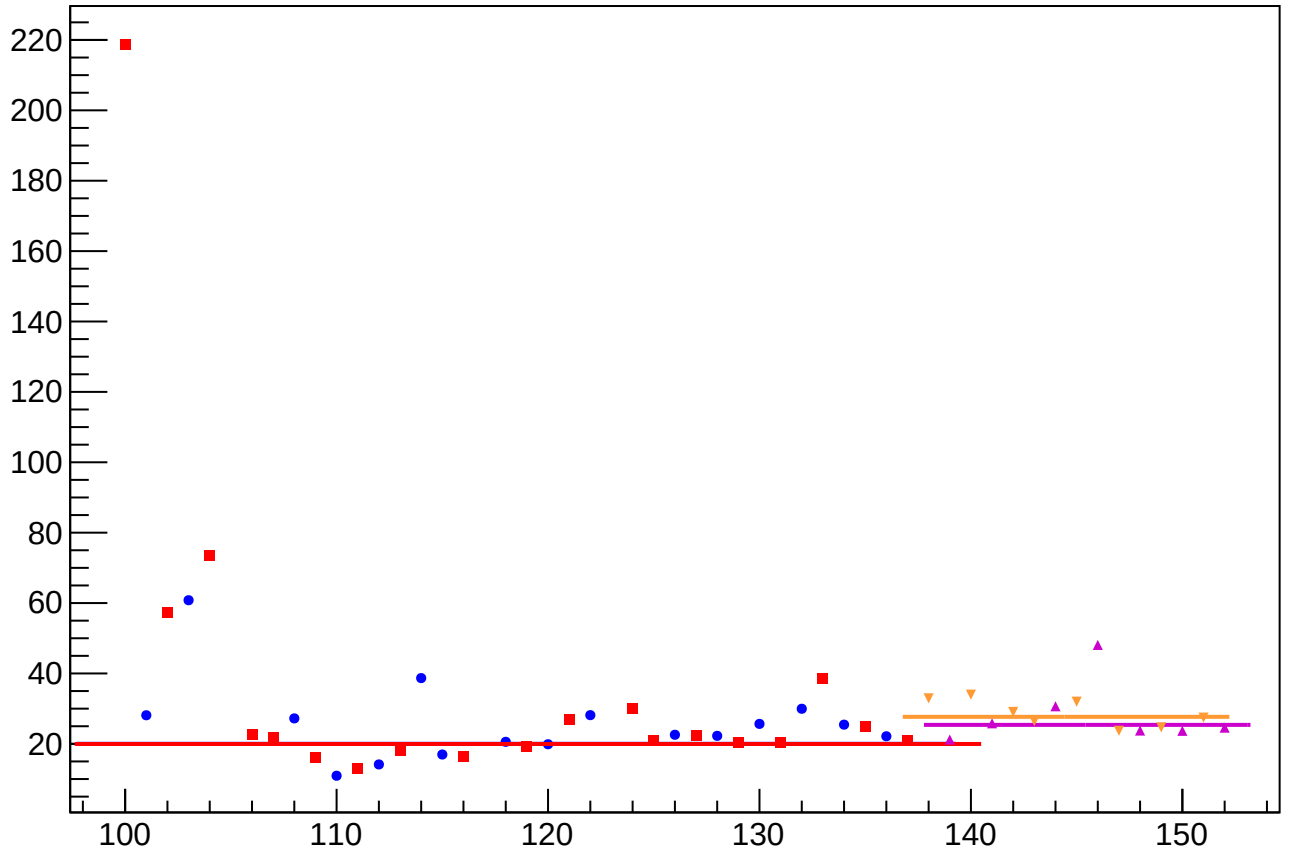
Left: 0.008+/-0.008 χ^2/NDF: 24.0/14

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.008+/-0.006 χ^2/NDF:18.9/22

Out: -0.003+/-0.007 χ^2/NDF:43.6/26

All: 0.002+/-0.005 χ^2/NDF: 63.9/49



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: 25.389+/-0.008 χ^2/NDF:495195.5/6

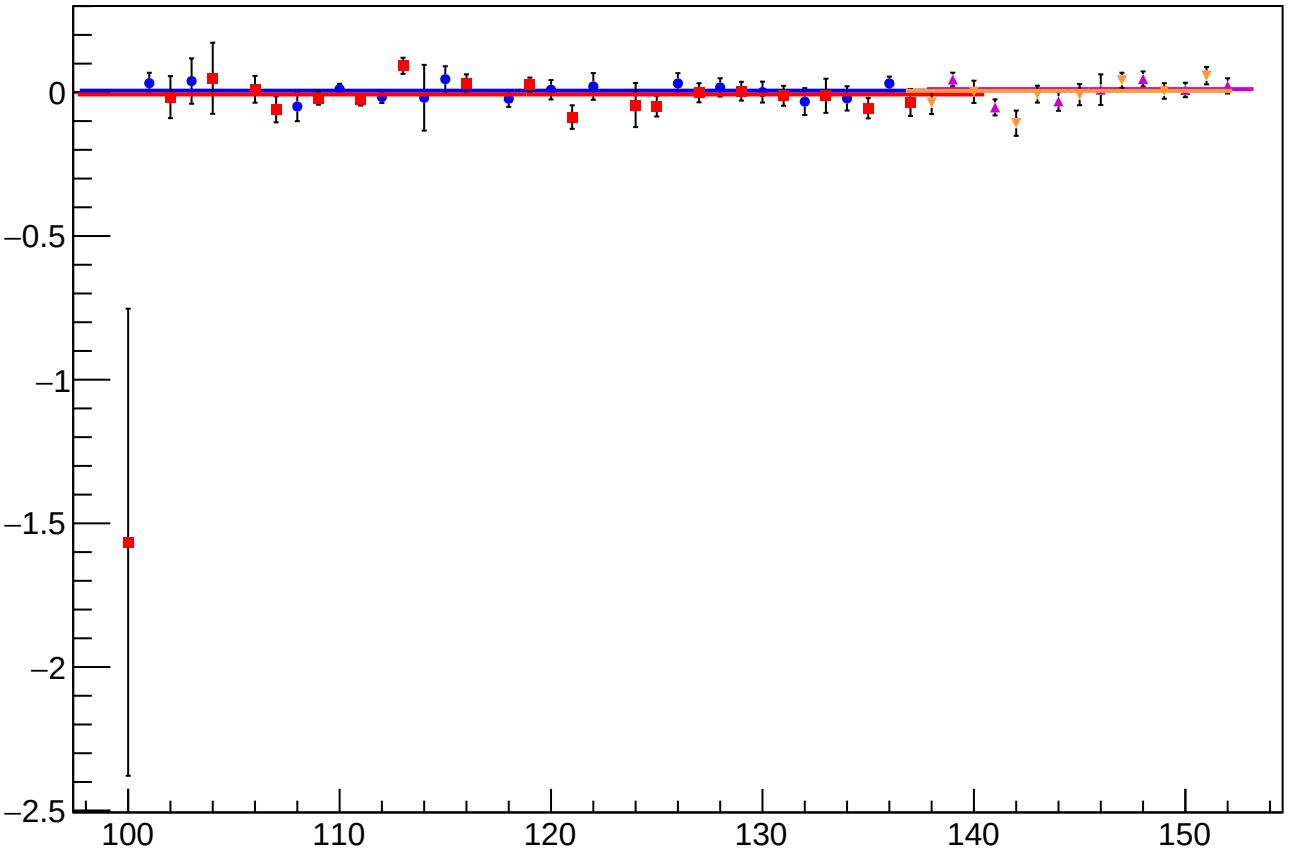
Left: 26.450+/-0.006 χ^2/NDF: 729053.0/14

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.991+/-0.005 χ^2/NDF:2458244.2/22

Out: 22.532+/-0.005 χ^2/NDF:2512727.0/26

All: 22.256+/-0.003 χ^2/NDF: 4977780.4/49



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: 0.011+/-0.011 χ^2/NDF:10.9/6

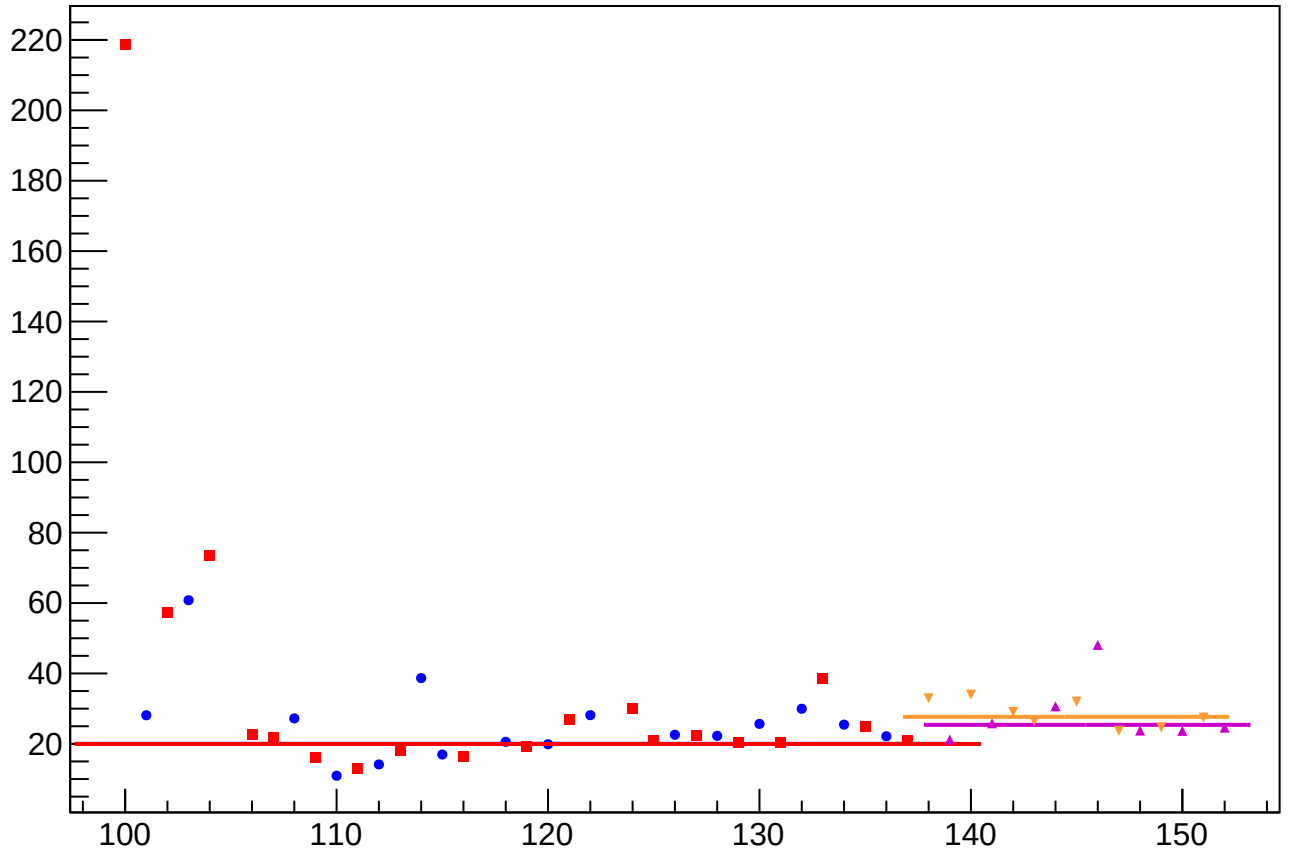
Left: 0.008+/-0.008 χ^2/NDF: 24.0/14

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.008+/-0.006 χ^2/NDF:18.9/22

Out: -0.003+/-0.007 χ^2/NDF:43.6/26

All: 0.002+/-0.005 χ^2/NDF: 63.9/49



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: 25.389+/-0.008 χ^2/NDF:495195.5/6

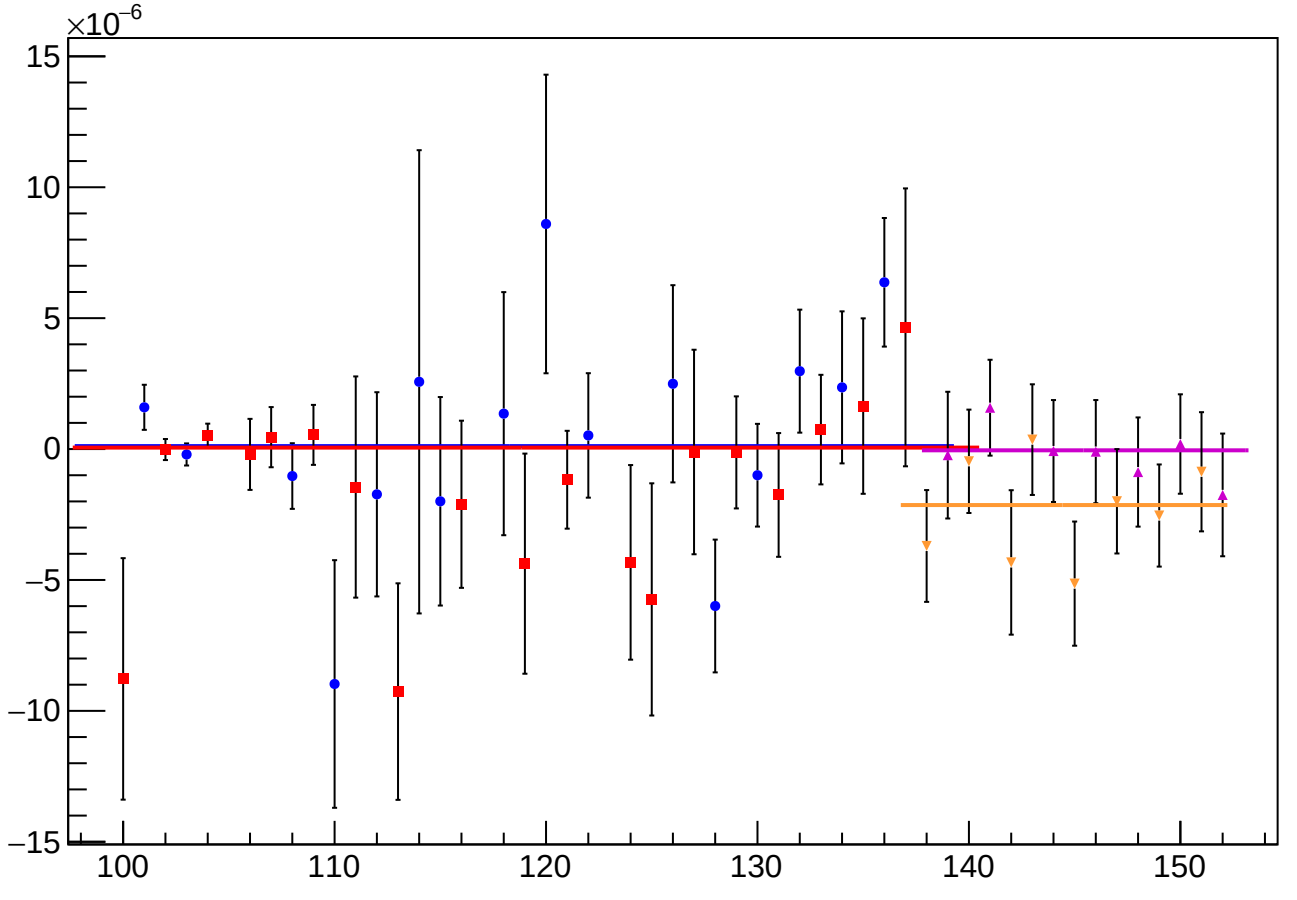
Left: 26.450+/-0.006 χ^2/NDF: 729053.0/14

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.991+/-0.005 χ^2/NDF:2458244.2/22

Out: 22.532+/-0.005 χ^2/NDF:2512727.0/26

All: 22.256+/-0.003 χ^2/NDF: 4977780.4/49



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:1.5/6

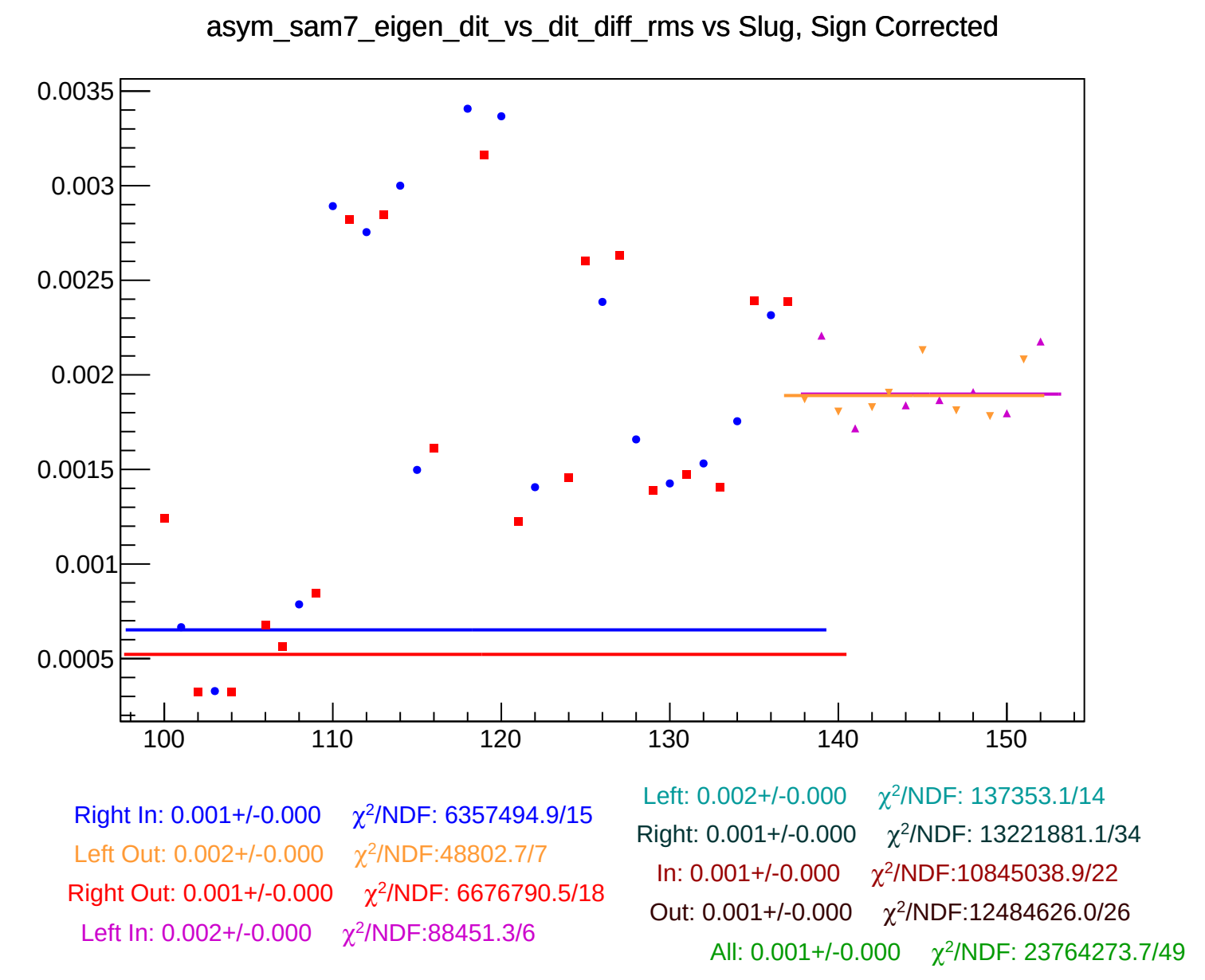
Left: -0.000+/-0.000 χ^2/NDF: 10.5/14

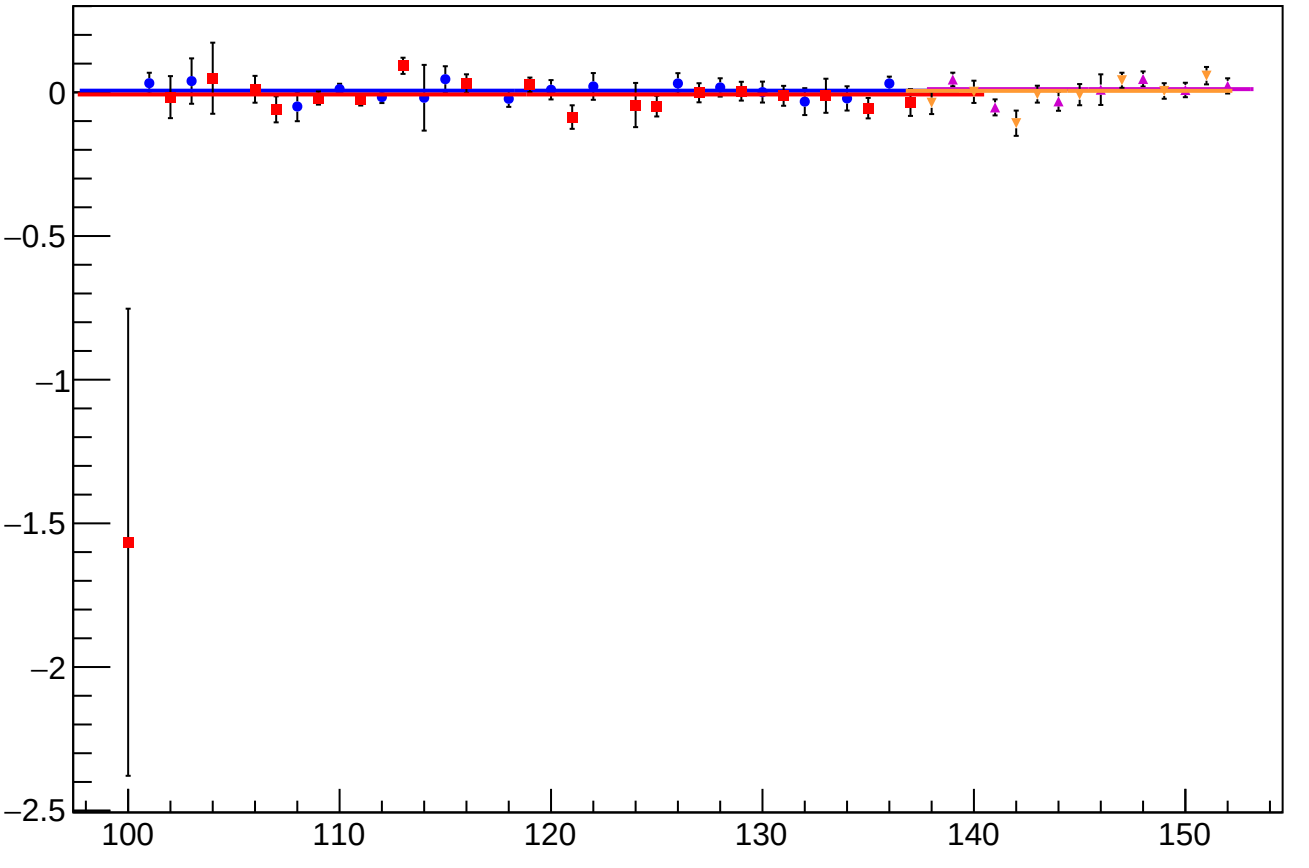
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:27.6/22

Out: -0.000+/-0.000 χ^2/NDF:29.8/26

All: -0.000+/-0.000 χ^2/NDF: 57.8/49


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:88451.3/6
Left: 0.002+/-0.000 χ²/NDF: 137353.1/14
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:10845038.9/22
Out: 0.001+/-0.000 χ²/NDF:12484626.0/26
All: 0.001+/-0.000 χ²/NDF: 23764273.7/49



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: 0.011+/-0.011 χ^2/NDF:10.9/6

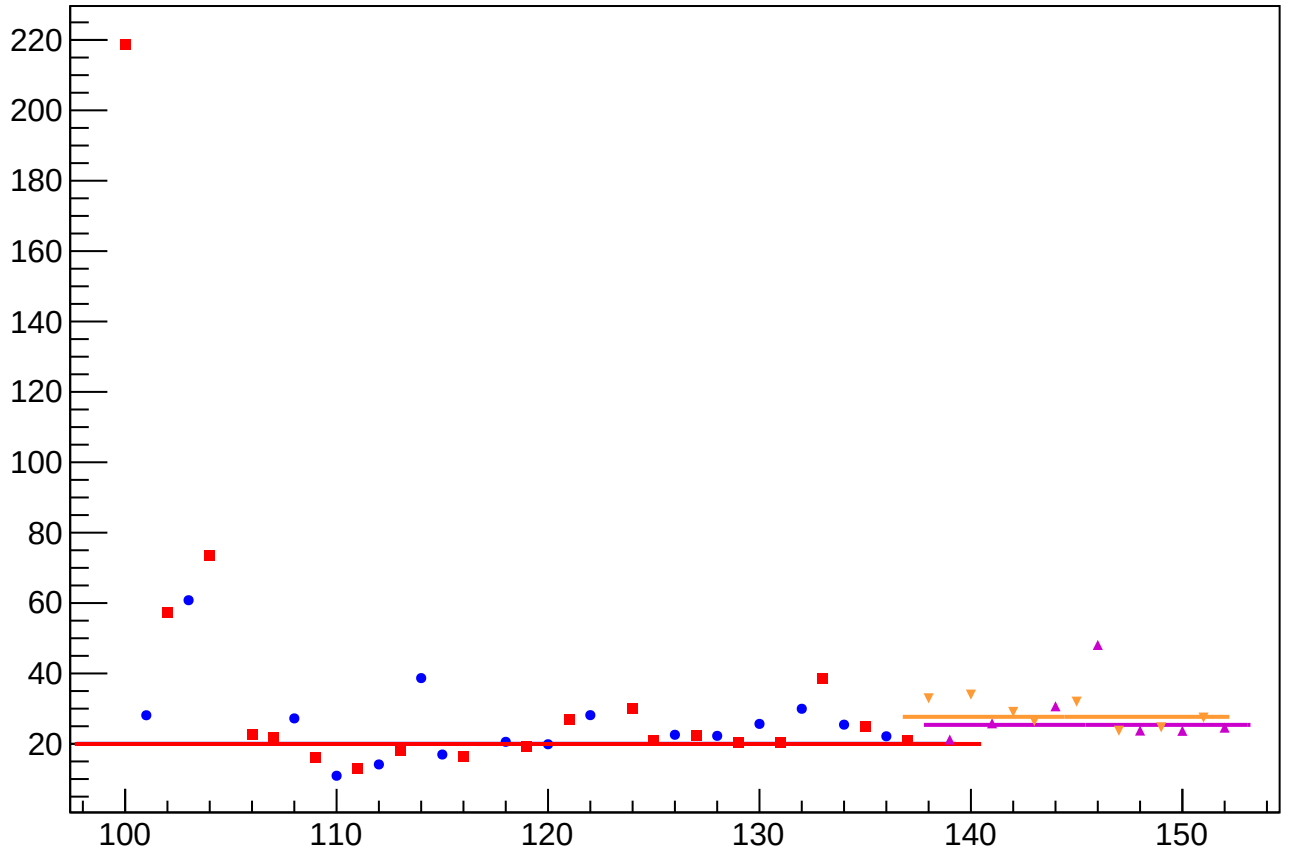
Left: 0.008+/-0.008 χ^2/NDF: 24.0/14

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.008+/-0.006 χ^2/NDF:18.9/22

Out: -0.003+/-0.007 χ^2/NDF:43.6/26

All: 0.002+/-0.005 χ^2/NDF: 63.9/49



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: 25.389+/-0.008 χ^2/NDF:495205.7/6

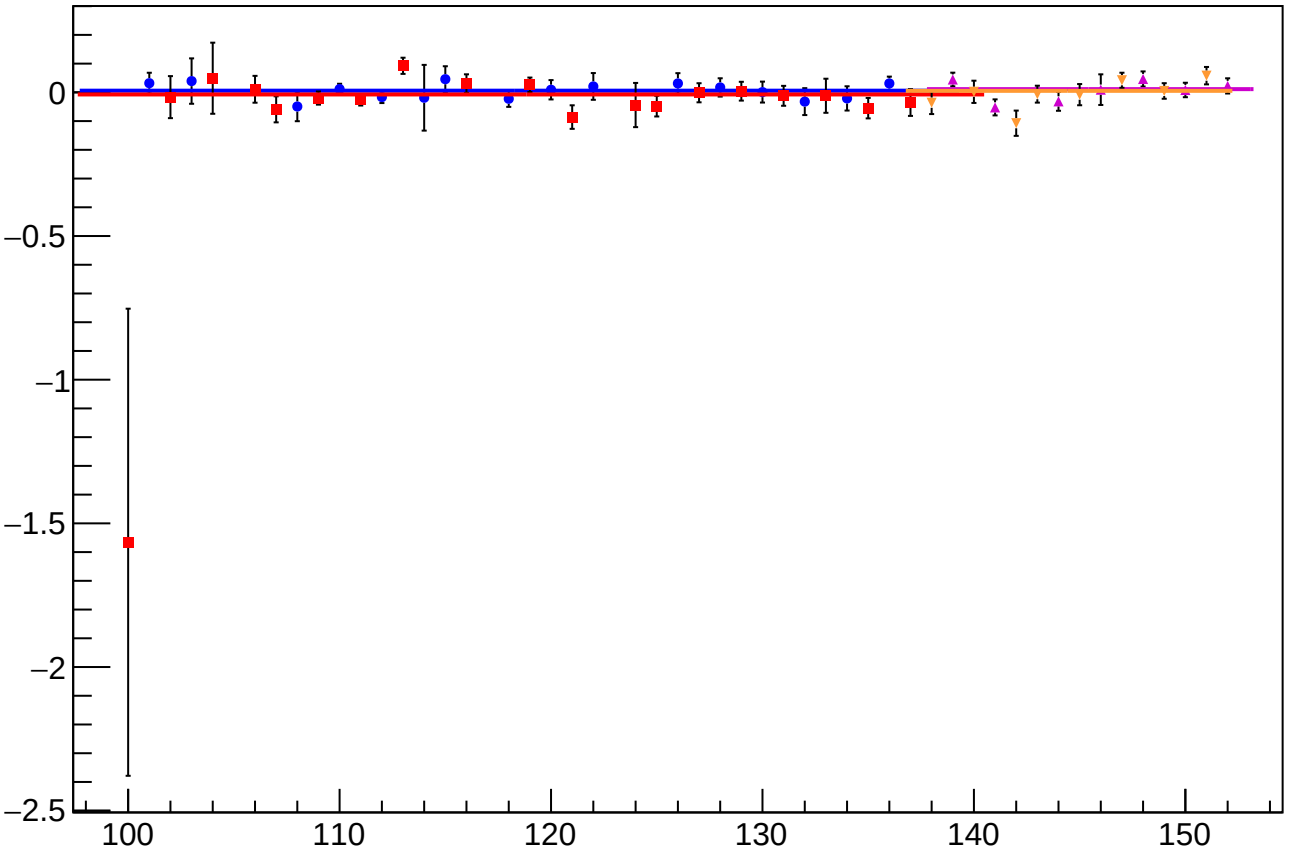
Left: 26.450+/-0.006 χ^2/NDF: 729084.8/14

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.992+/-0.005 χ^2/NDF:2458016.0/22

Out: 22.532+/-0.005 χ^2/NDF:2512659.0/26

All: 22.257+/-0.003 χ^2/NDF: 4977478.4/49



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: 0.011+/-0.011 χ^2/NDF:10.9/6

Left: 0.008+/-0.008 χ^2/NDF: 24.0/14

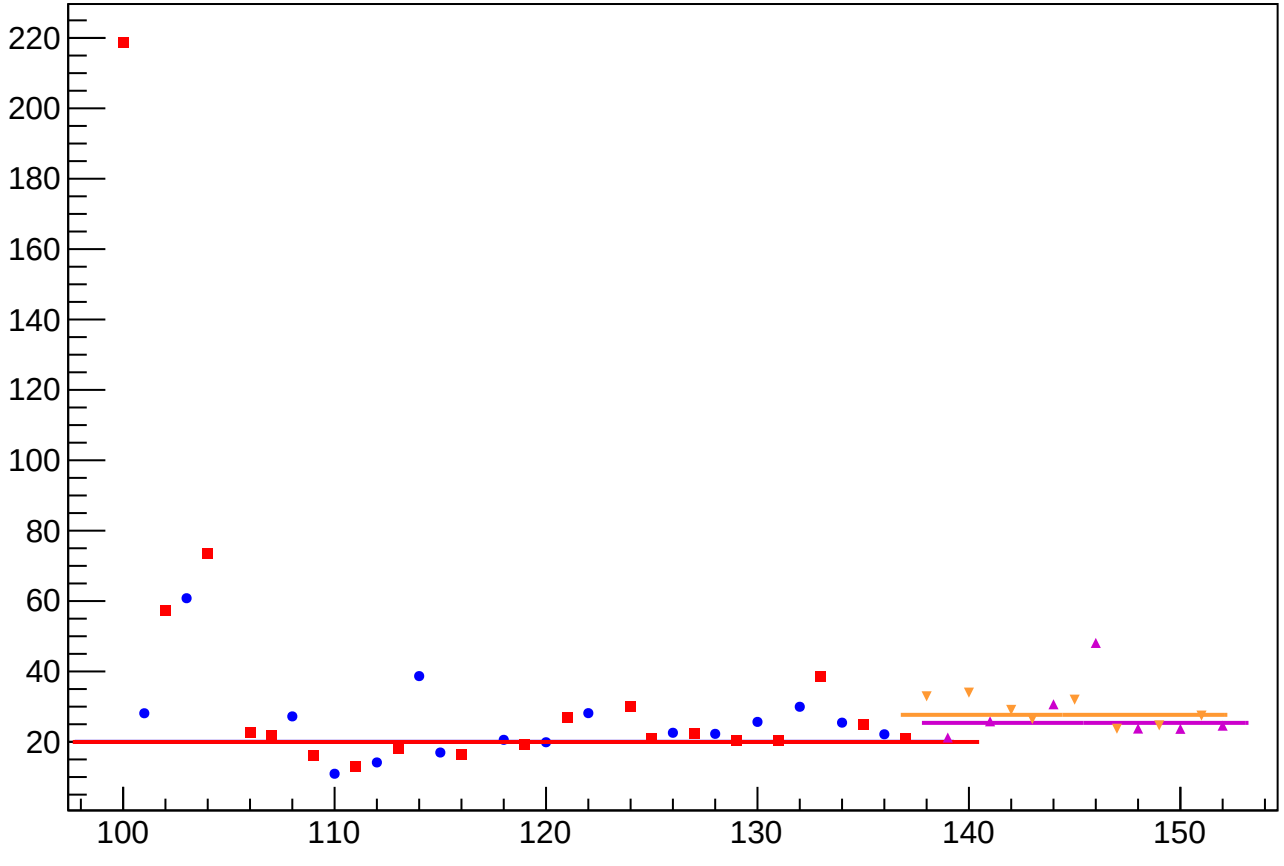
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.008+/-0.006 χ^2/NDF:18.9/22

Out: -0.003+/-0.007 χ^2/NDF:43.6/26

All: 0.002+/-0.005 χ^2/NDF: 63.9/49

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: 25.389+/-0.008 χ^2/NDF:495205.7/6

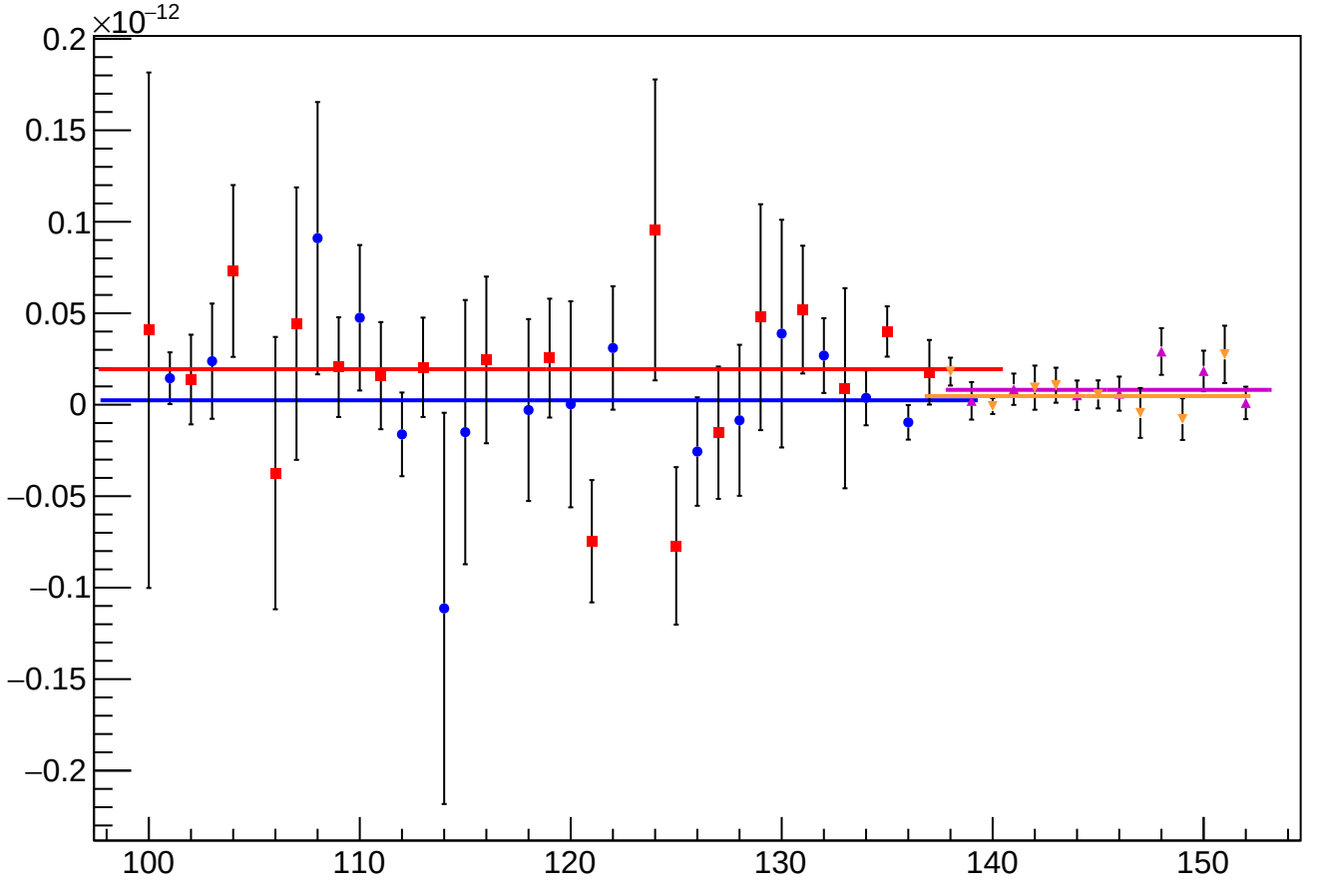
Left: 26.450+/-0.006 χ^2/NDF: 729084.8/14

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.992+/-0.005 χ^2/NDF:2458016.0/22

Out: 22.532+/-0.005 χ^2/NDF:2512659.0/26

All: 22.257+/-0.003 χ^2/NDF: 4977478.4/49



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:4.7/6

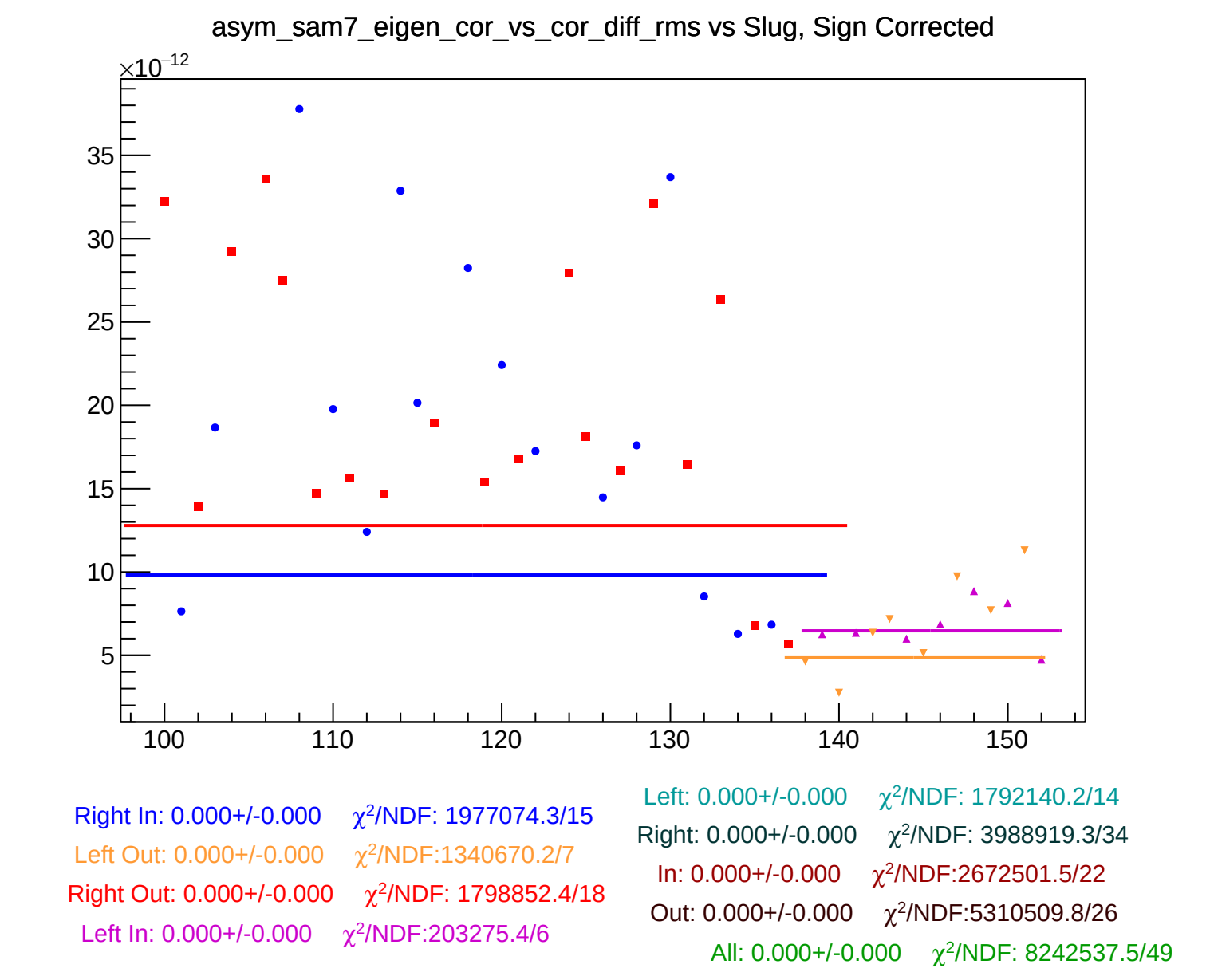
Left: 0.000+/-0.000 χ^2/NDF: 14.3/14

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

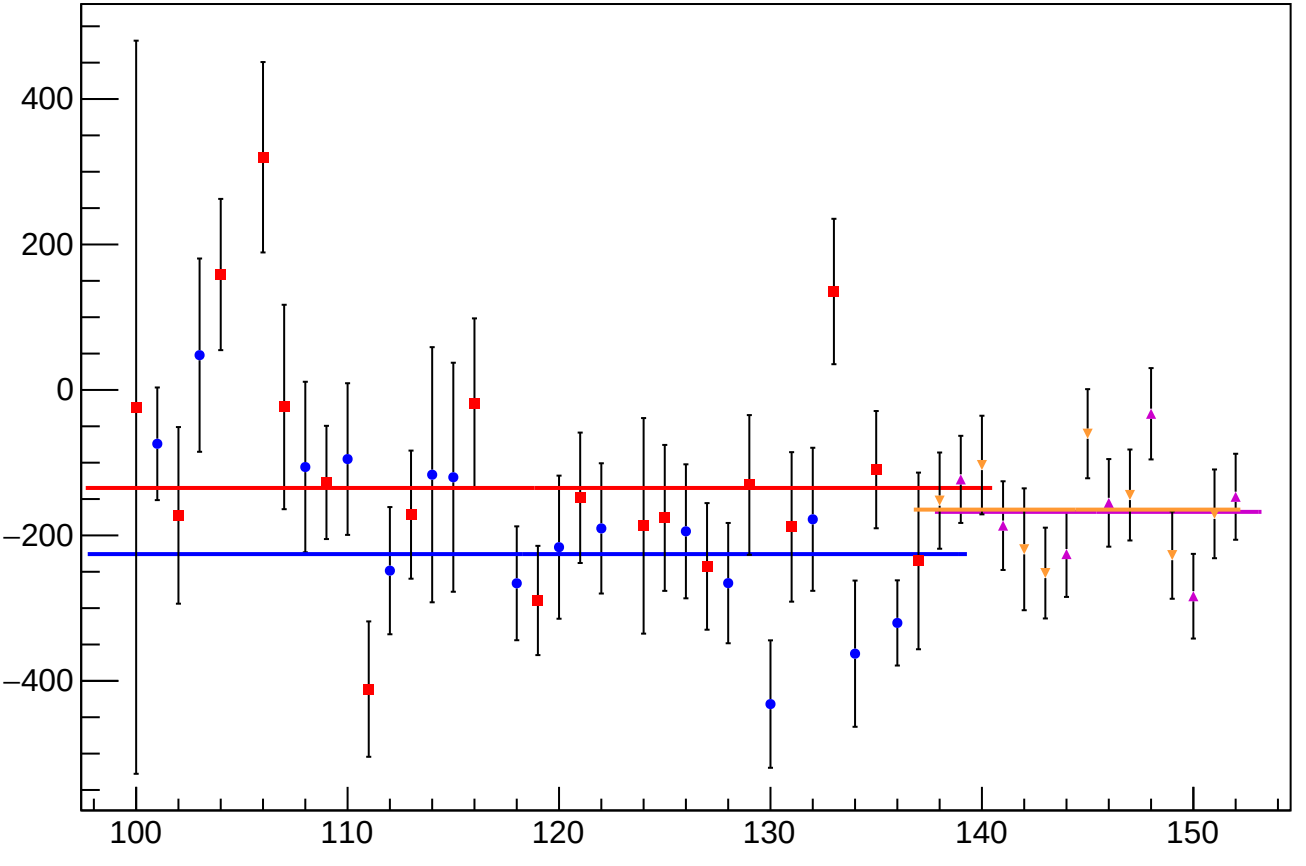
In: 0.000+/-0.000 χ^2/NDF:16.3/22

Out: 0.000+/-0.000 χ^2/NDF:33.0/26

All: 0.000+/-0.000 χ^2/NDF: 49.3/49


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:203275.4/6
Left: 0.000+/-0.000 χ²/NDF: 1792140.2/14
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2672501.5/22
Out: 0.000+/-0.000 χ²/NDF:5310509.8/26
All: 0.000+/-0.000 χ²/NDF: 8242537.5/49

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: -167.633+/-22.668 χ^2/NDF:10.4/6

Left: -166.097+/-16.096 χ^2/NDF: 17.7/14

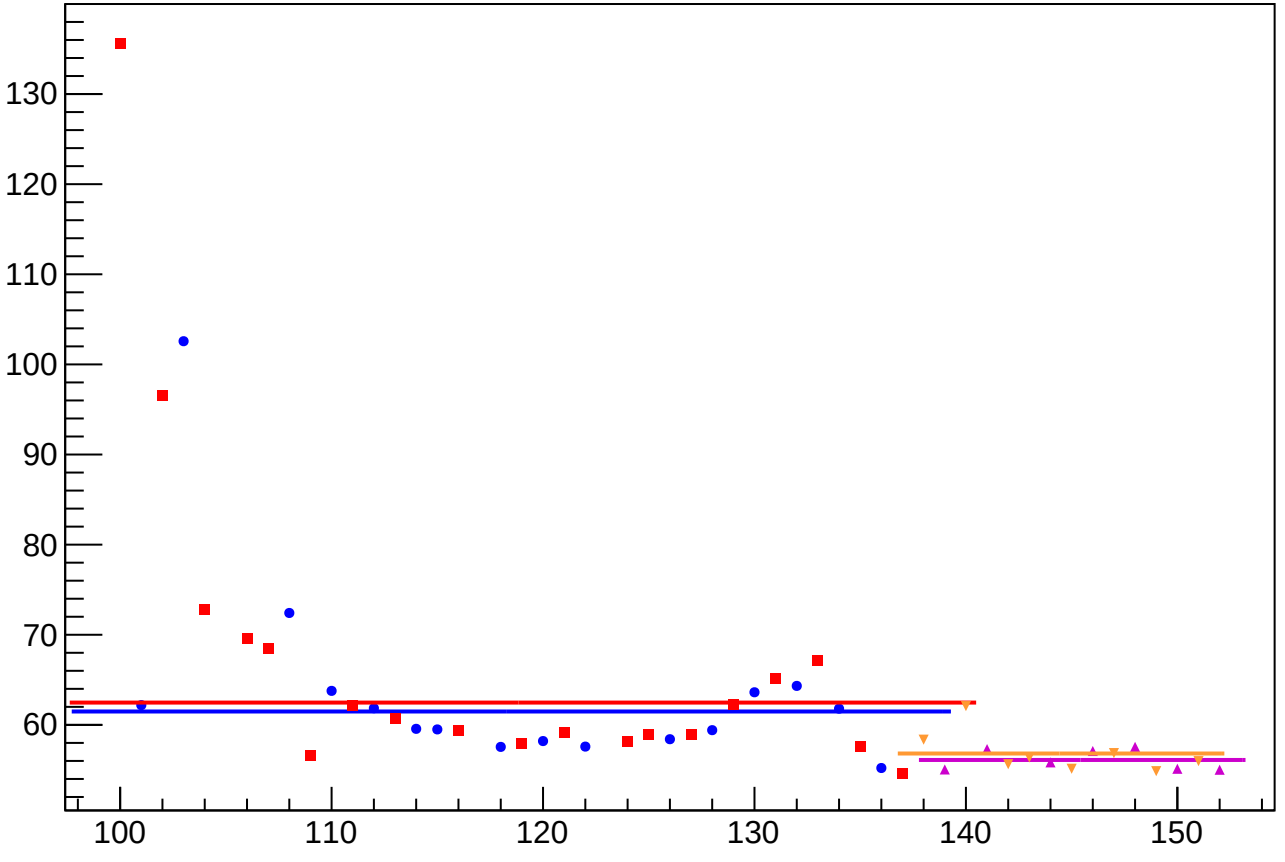
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -196.091+/-16.186 χ^2/NDF:36.2/22

Out: -149.862+/-16.281 χ^2/NDF:53.4/26

All: -173.112+/-11.478 χ^2/NDF: 93.7/49

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: 56.108+/-0.016 χ^2/NDF:4297.2/6

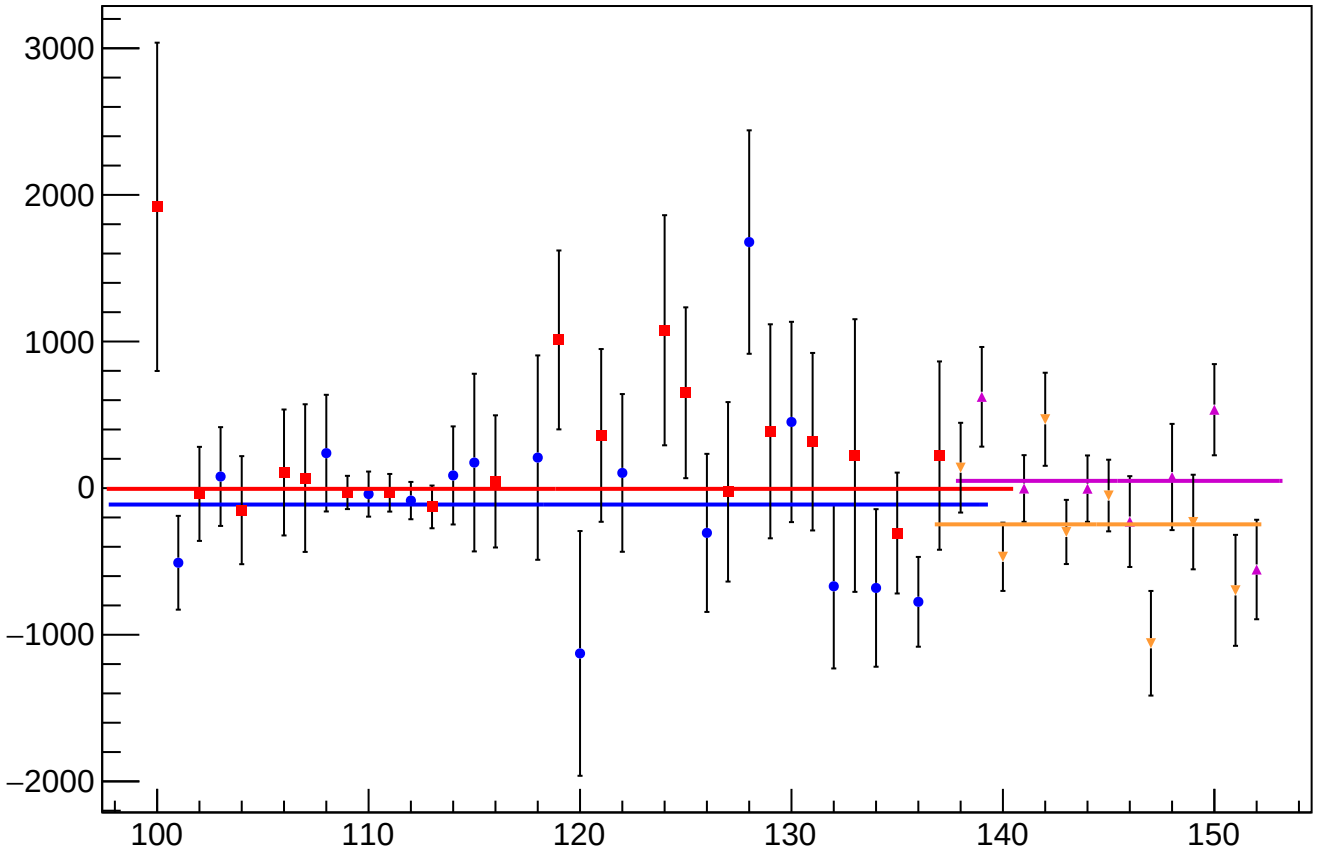
Left: 56.463+/-0.011 χ^2/NDF: 22951.2/14

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.744+/-0.011 χ^2/NDF:310152.6/22

Out: 59.609+/-0.012 χ^2/NDF:359059.6/26

All: 59.174+/-0.008 χ^2/NDF: 672053.6/49



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: 49.568+/-108.741 χ^2/NDF:9.4/6

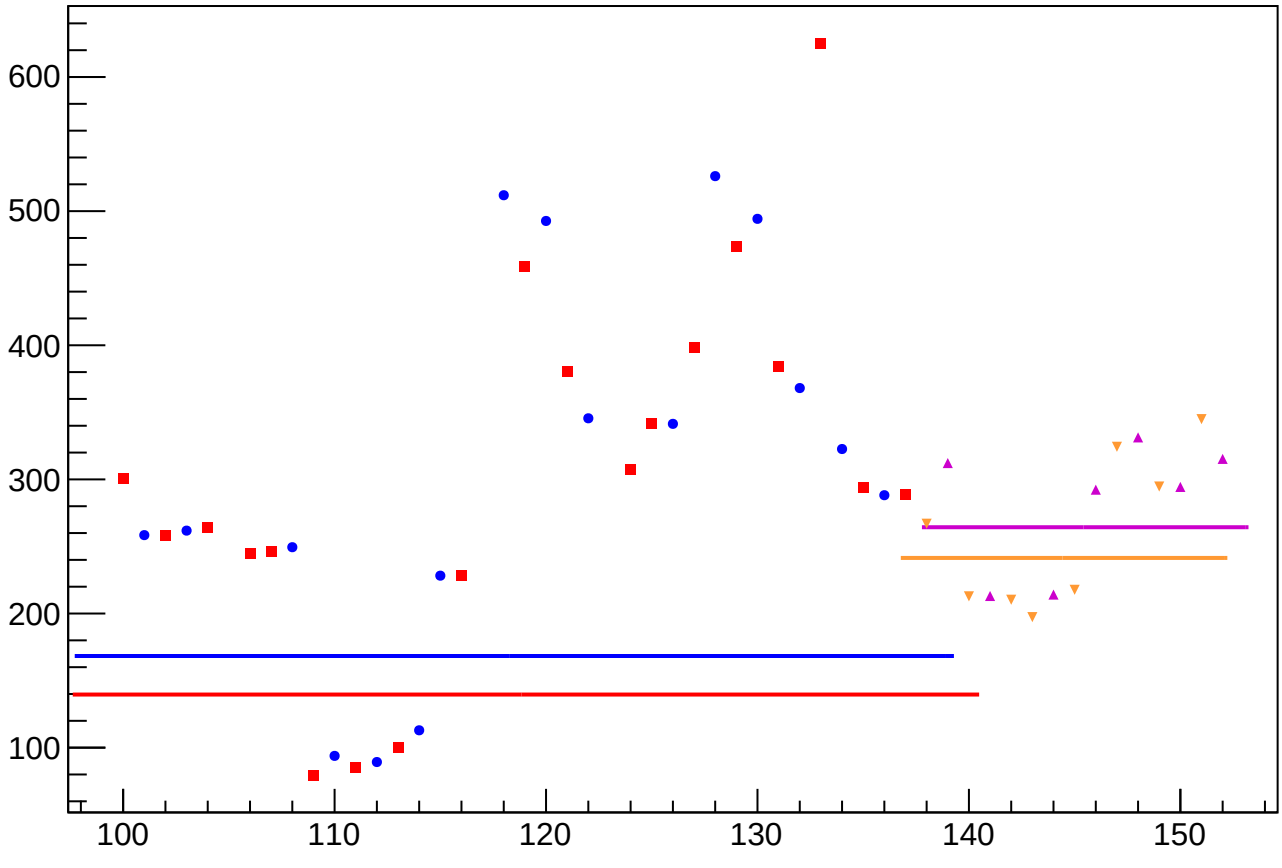
Left: -111.928+/-73.381 χ^2/NDF: 28.3/14

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -58.702+/-62.410 χ^2/NDF:29.3/22

Out: -75.695+/-53.776 χ^2/NDF:30.7/26

All: -68.454+/-40.739 χ^2/NDF: 60.1/49



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: 264.337+/-0.077 χ^2/NDF:388140.9/6

Left: 251.872+/-0.052 χ^2/NDF: 912063.1/14

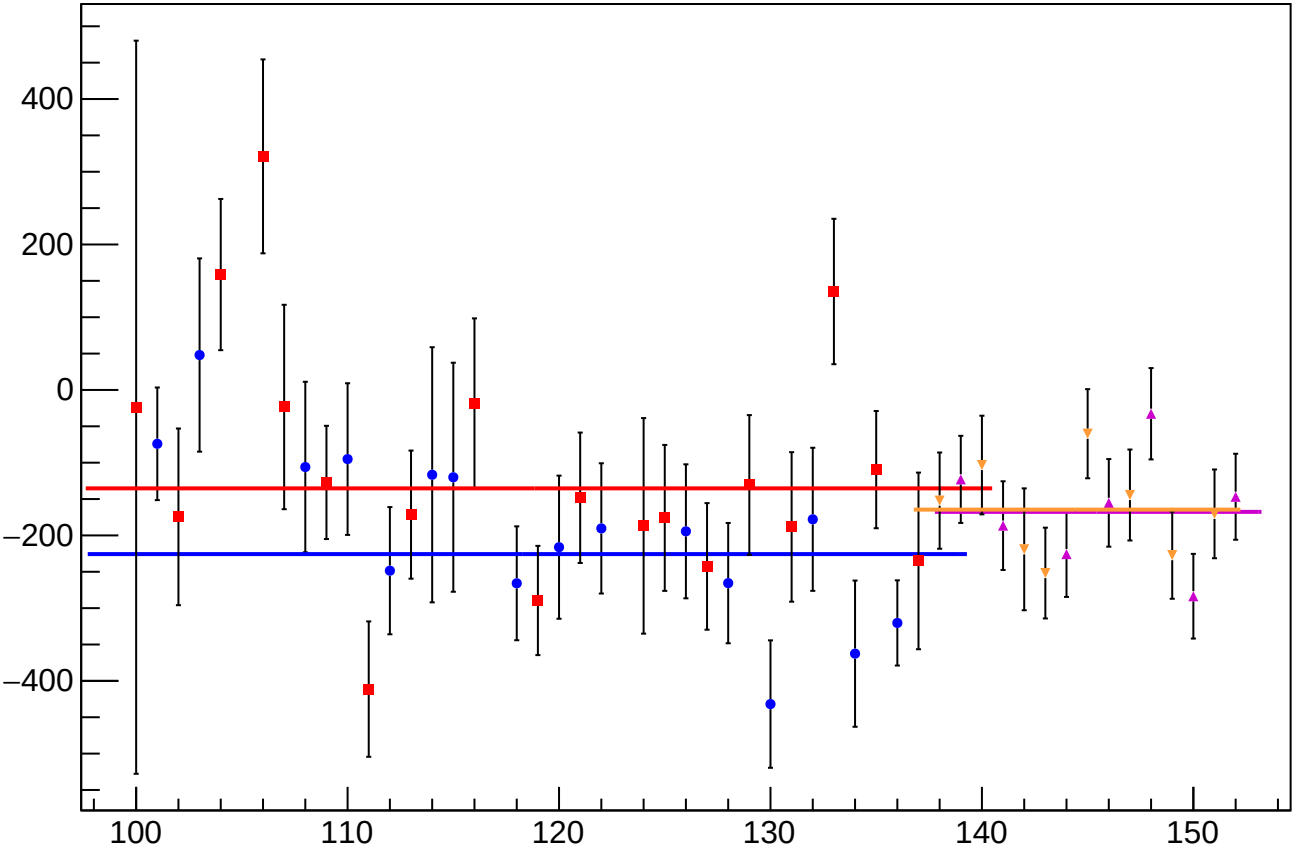
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 199.955+/-0.044 χ^2/NDF:5977666.1/22

Out: 169.385+/-0.038 χ^2/NDF:7114589.2/26

All: 182.410+/-0.029 χ^2/NDF: 13367642.3/49

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: -167.628+/-22.668 χ^2/NDF:10.4/6

Left: -166.093+/-16.096 χ^2/NDF: 17.7/14

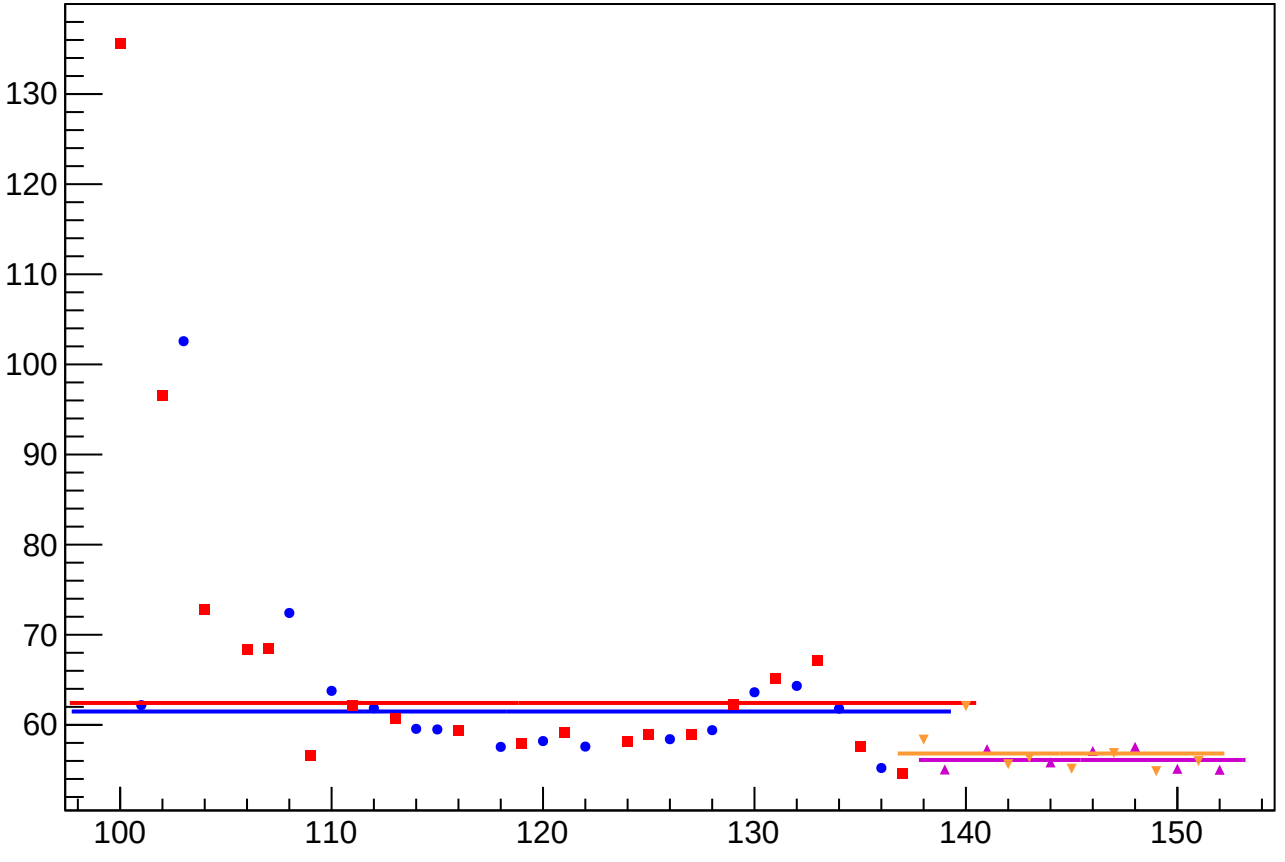
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -196.089+/-16.186 χ^2/NDF:36.2/22

Out: -150.140+/-16.285 χ^2/NDF:53.0/26

All: -173.255+/-11.480 χ^2/NDF: 93.2/49

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: 56.108+/-0.016 χ^2/NDF:4297.2/6

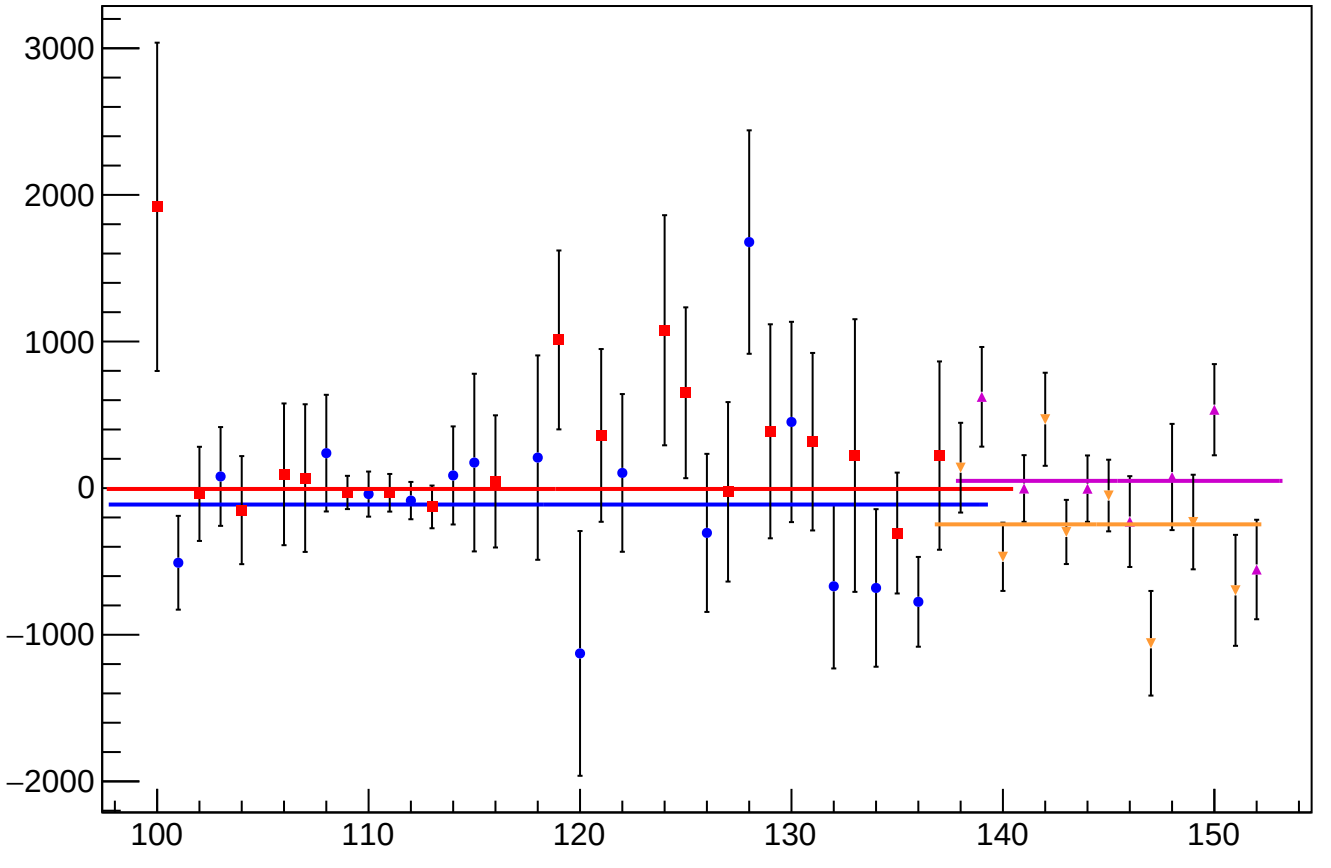
Left: 56.463+/-0.011 χ^2/NDF: 22951.2/14

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.744+/-0.011 χ^2/NDF:310155.2/22

Out: 59.586+/-0.012 χ^2/NDF:356370.4/26

All: 59.162+/-0.008 χ^2/NDF: 669218.1/49



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: 49.568+/-108.742 χ^2/NDF:9.4/6

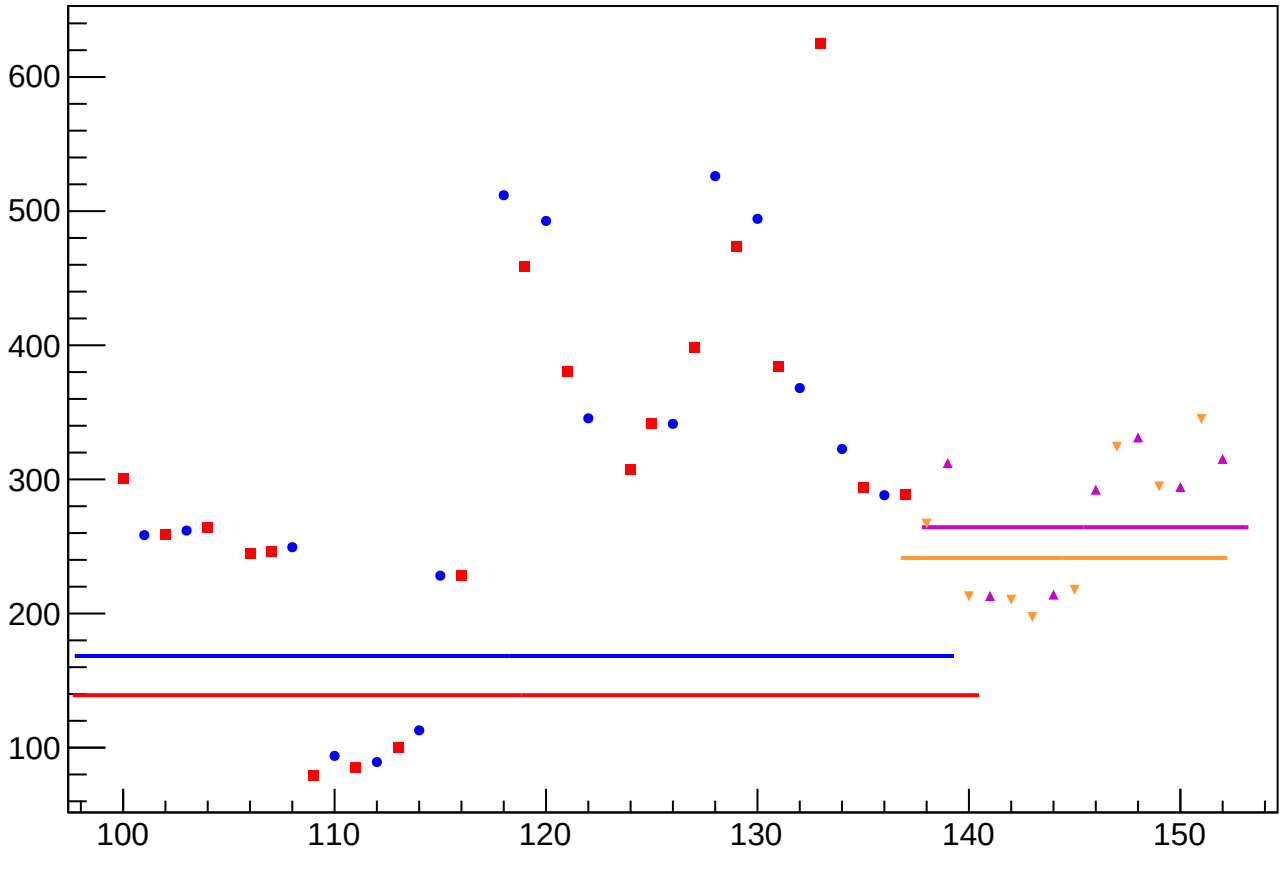
Left: -111.926+/-73.381 χ^2/NDF: 28.3/14

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -58.689+/-62.411 χ^2/NDF:29.3/22

Out: -76.443+/-53.867 χ^2/NDF:30.7/26

All: -68.864+/-40.778 χ^2/NDF: 60.0/49



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: 264.337+/-0.077 χ^2/NDF:388141.3/6

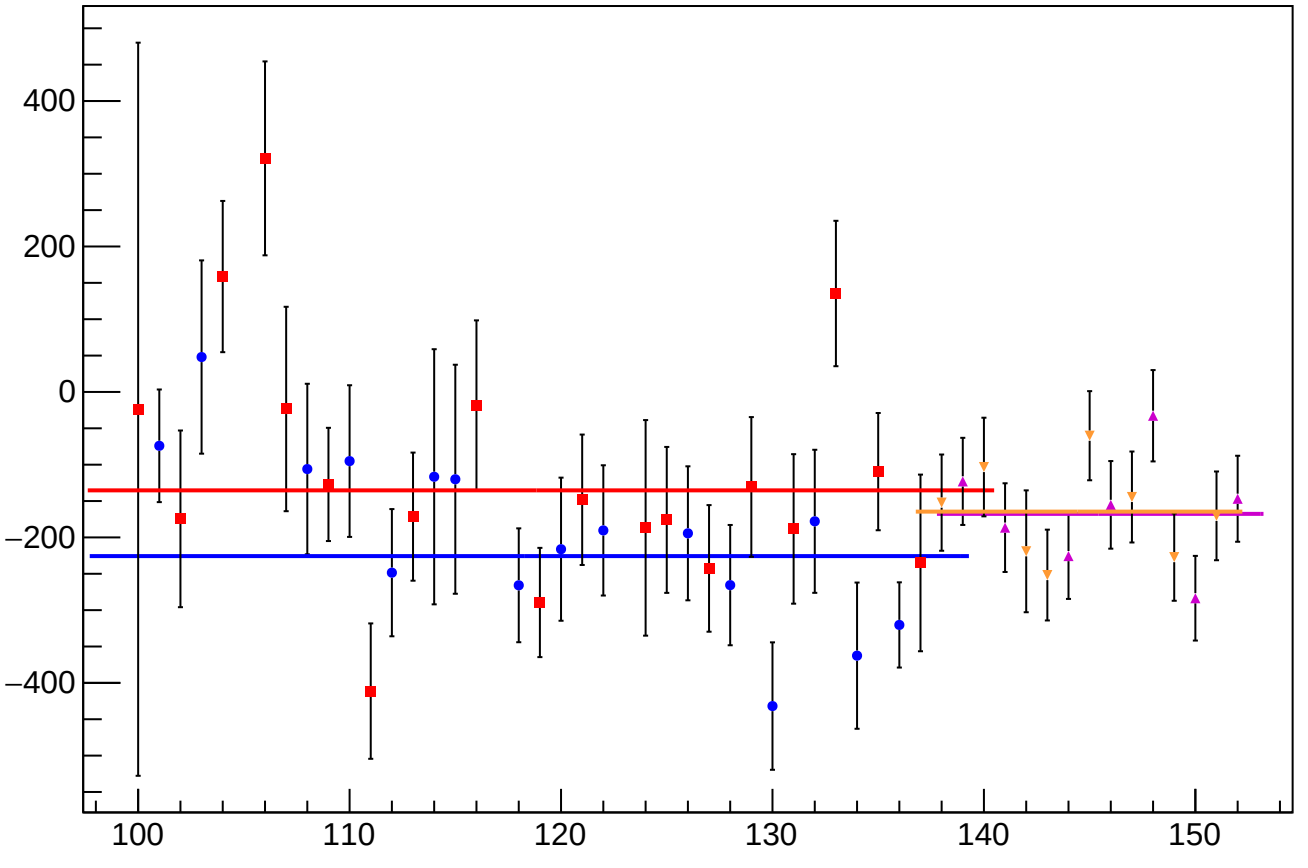
Left: 251.872+/-0.052 χ^2/NDF: 912069.0/14

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

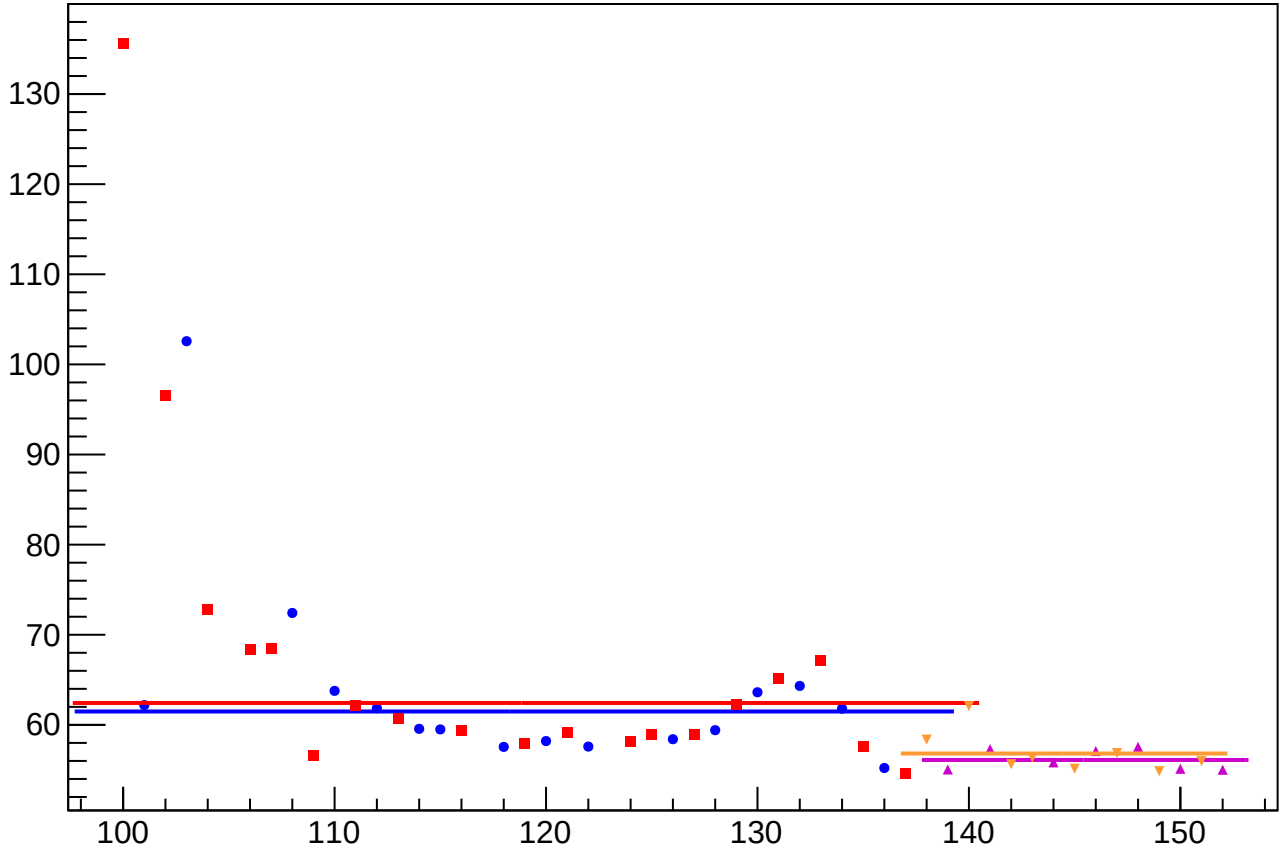
In: 199.955+/-0.044 χ^2/NDF:5977713.4/22

Out: 169.140+/-0.038 χ^2/NDF:7102646.2/26

All: 182.295+/-0.029 χ^2/NDF: 13359785.6/49


eigen_cor_asym_sam8_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
110
120
130
140
150
Right In: -225.692+/-23.118 χ²/NDF: 22.6/15
Left Out: -164.532+/-22.860 χ²/NDF:7.3/7
Right Out: -135.311+/-23.205 χ²/NDF: 44.9/18
Left In: -167.628+/-22.668 χ²/NDF:10.4/6
Left: -166.093+/-16.096 χ²/NDF: 17.7/14
Right: -180.670+/-16.378 χ²/NDF: 75.1/34
In: -196.089+/-16.186 χ²/NDF:36.2/22
Out: -150.140+/-16.285 χ²/NDF:53.0/26
All: -173.255+/-11.480 χ²/NDF: 93.2/49

eigen_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: 56.108+/-0.016 χ^2/NDF:4297.2/6

Left: 56.463+/-0.011 χ^2/NDF: 22951.2/14

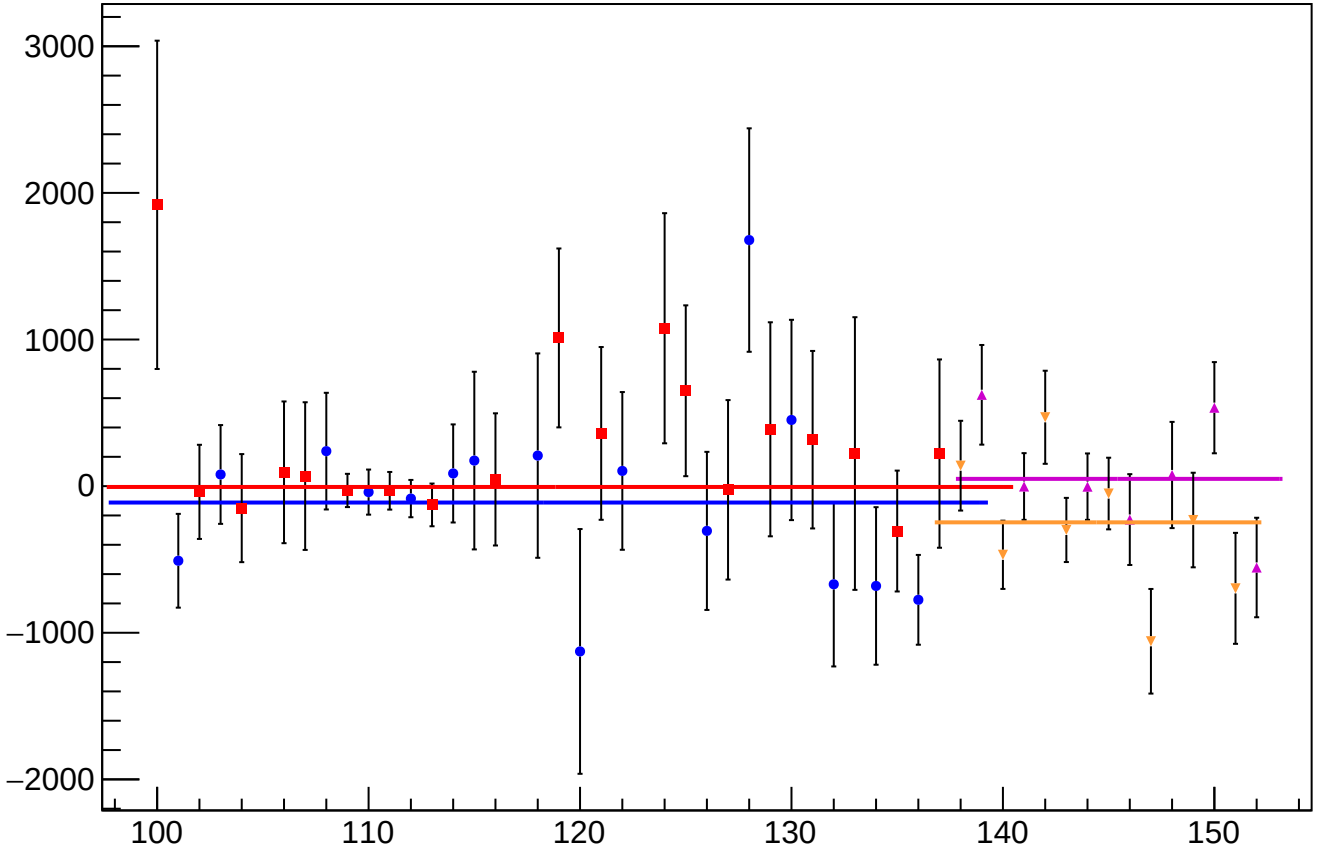
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.744+/-0.011 χ^2/NDF:310155.2/22

Out: 59.586+/-0.012 χ^2/NDF:356370.4/26

All: 59.162+/-0.008 χ^2/NDF: 669218.1/49

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 49.568+/-108.742 χ^2/NDF:9.4/6

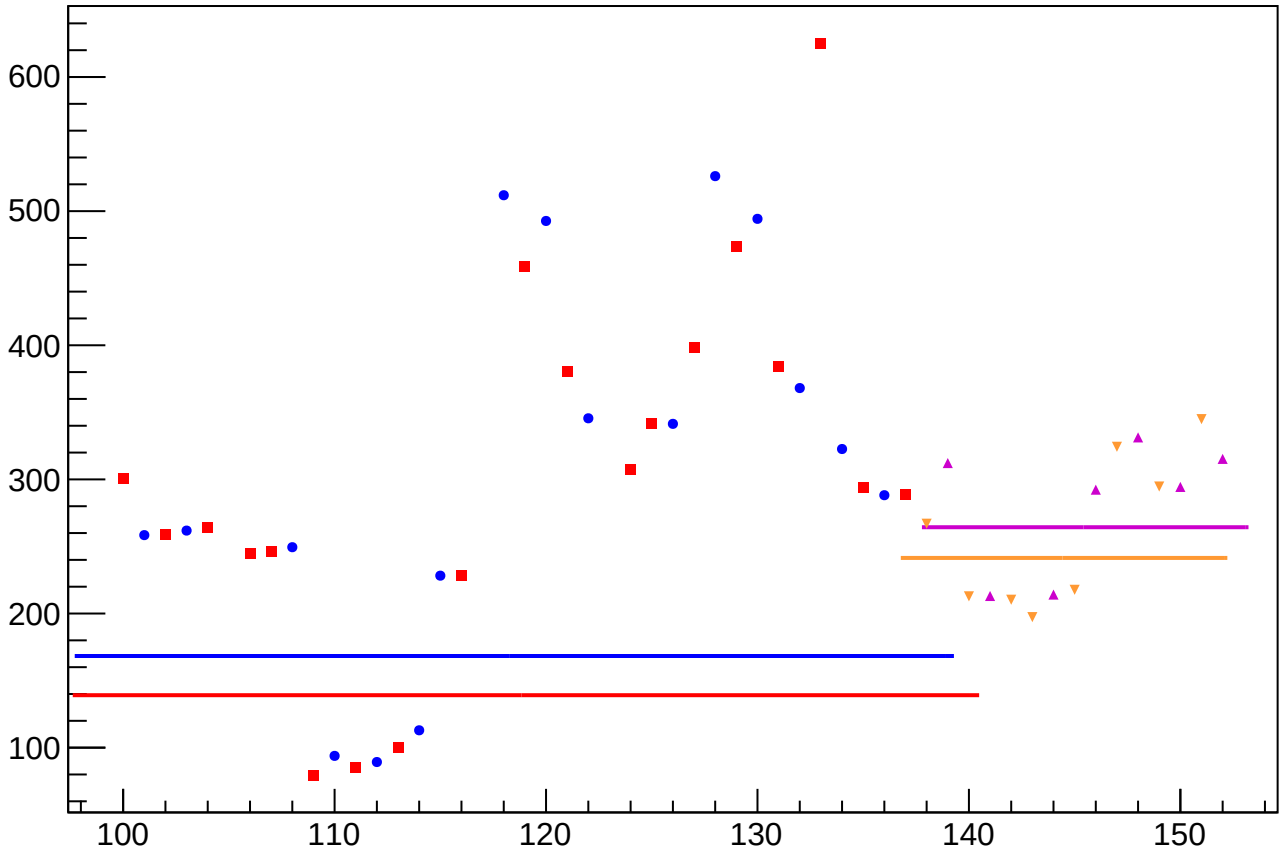
Left: -111.926+/-73.381 χ^2/NDF: 28.3/14

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -58.689+/-62.411 χ^2/NDF:29.3/22

Out: -76.443+/-53.867 χ^2/NDF:30.7/26

All: -68.864+/-40.778 χ^2/NDF: 60.0/49



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: 264.337+/-0.077 χ^2/NDF:388141.3/6

Left: 251.872+/-0.052 χ^2/NDF: 912069.0/14

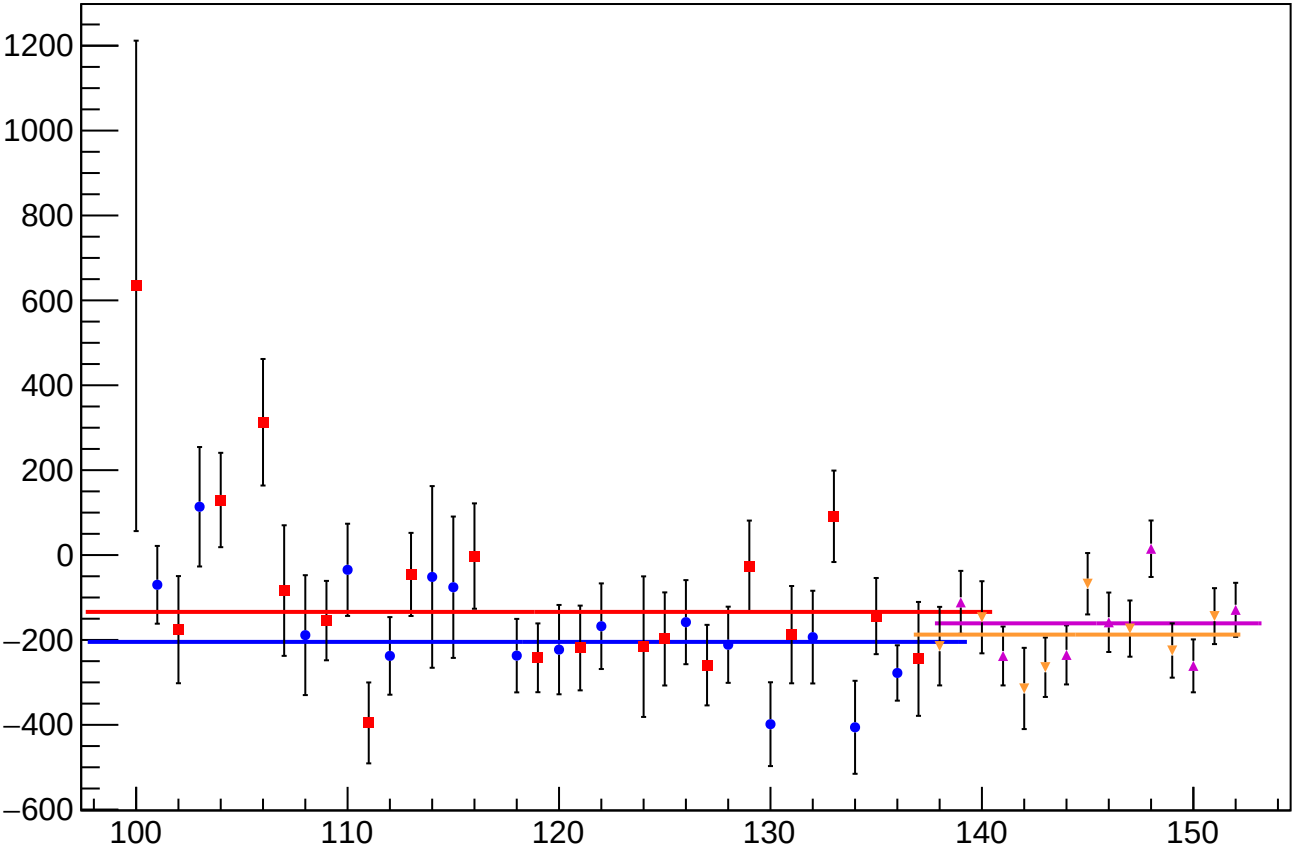
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 199.955+/-0.044 χ^2/NDF:5977713.4/22

Out: 169.140+/-0.038 χ^2/NDF:7102646.2/26

All: 182.295+/-0.029 χ^2/NDF: 13359785.6/49

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: -160.868+/-25.565 χ^2/NDF:12.6/6

Left: -173.834+/-18.281 χ^2/NDF: 20.0/14

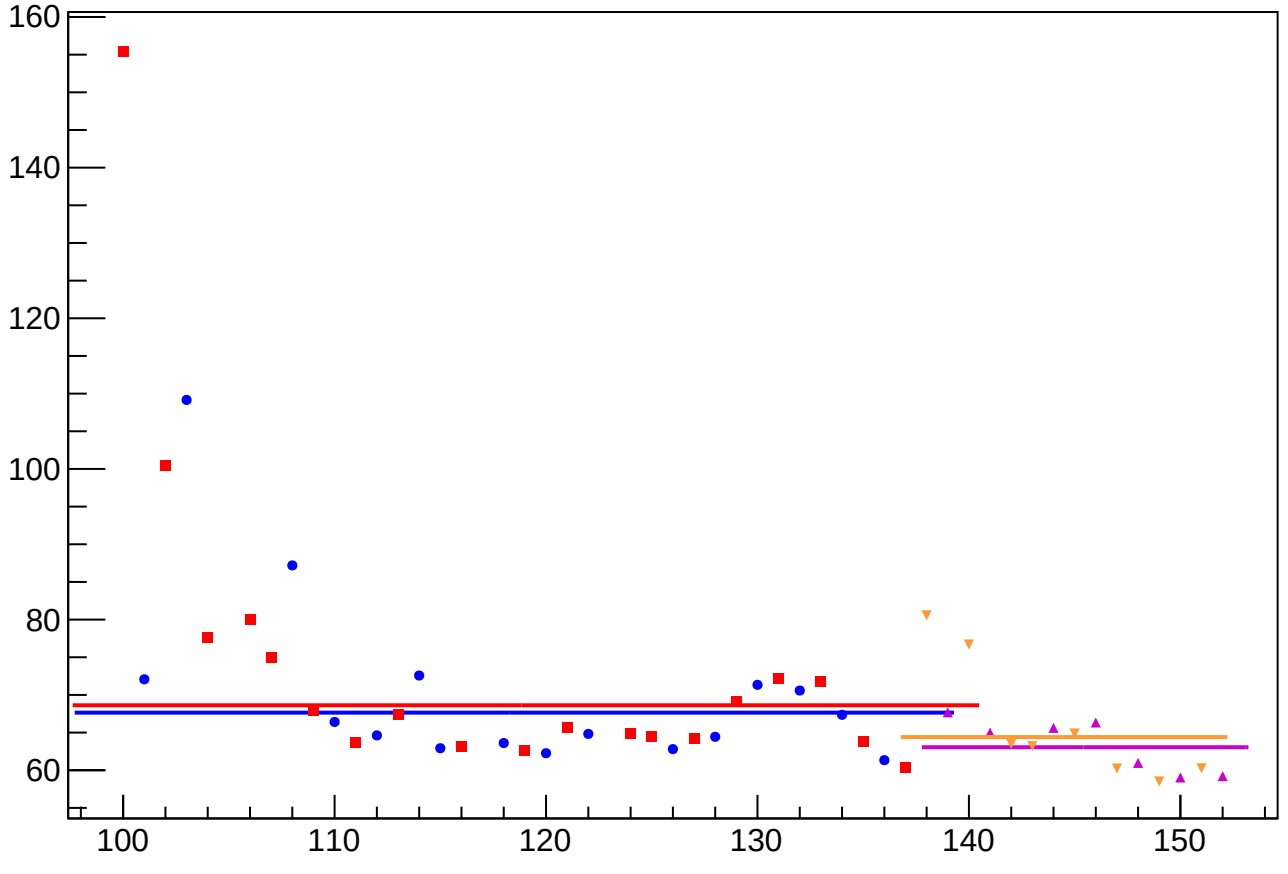
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -182.758+/-18.062 χ^2/NDF:34.1/22

Out: -159.971+/-18.251 χ^2/NDF:46.2/26

All: -171.483+/-12.838 χ^2/NDF: 81.1/49

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: 63.056+/-0.018 χ^2/NDF:34034.6/6

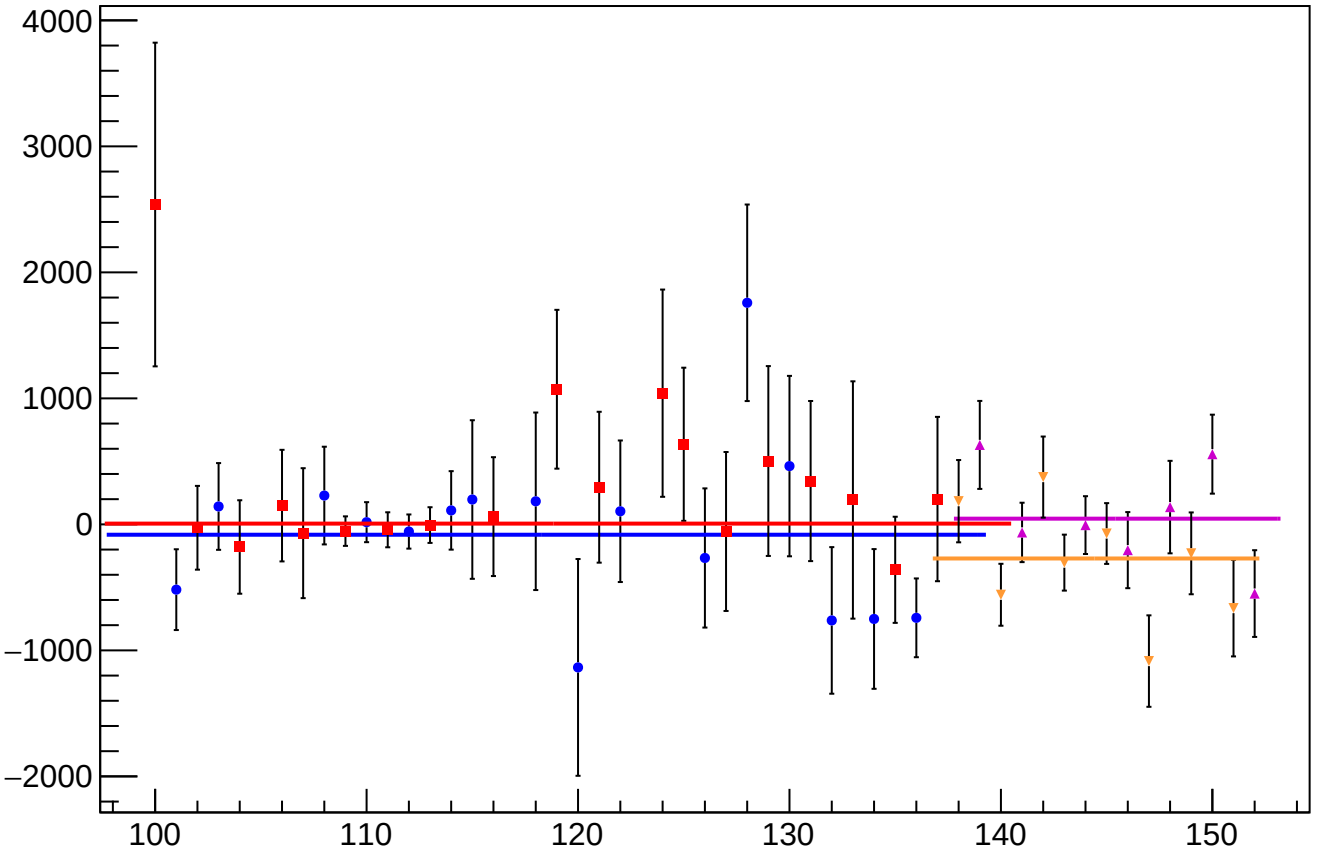
Left: 63.714+/-0.013 χ^2/NDF: 173258.5/14

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 65.355+/-0.013 χ^2/NDF:330017.0/22

Out: 66.568+/-0.013 χ^2/NDF:411412.2/26

All: 65.955+/-0.009 χ^2/NDF: 745888.1/49



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: 45.302+/-110.286 χ^2/NDF:9.5/6

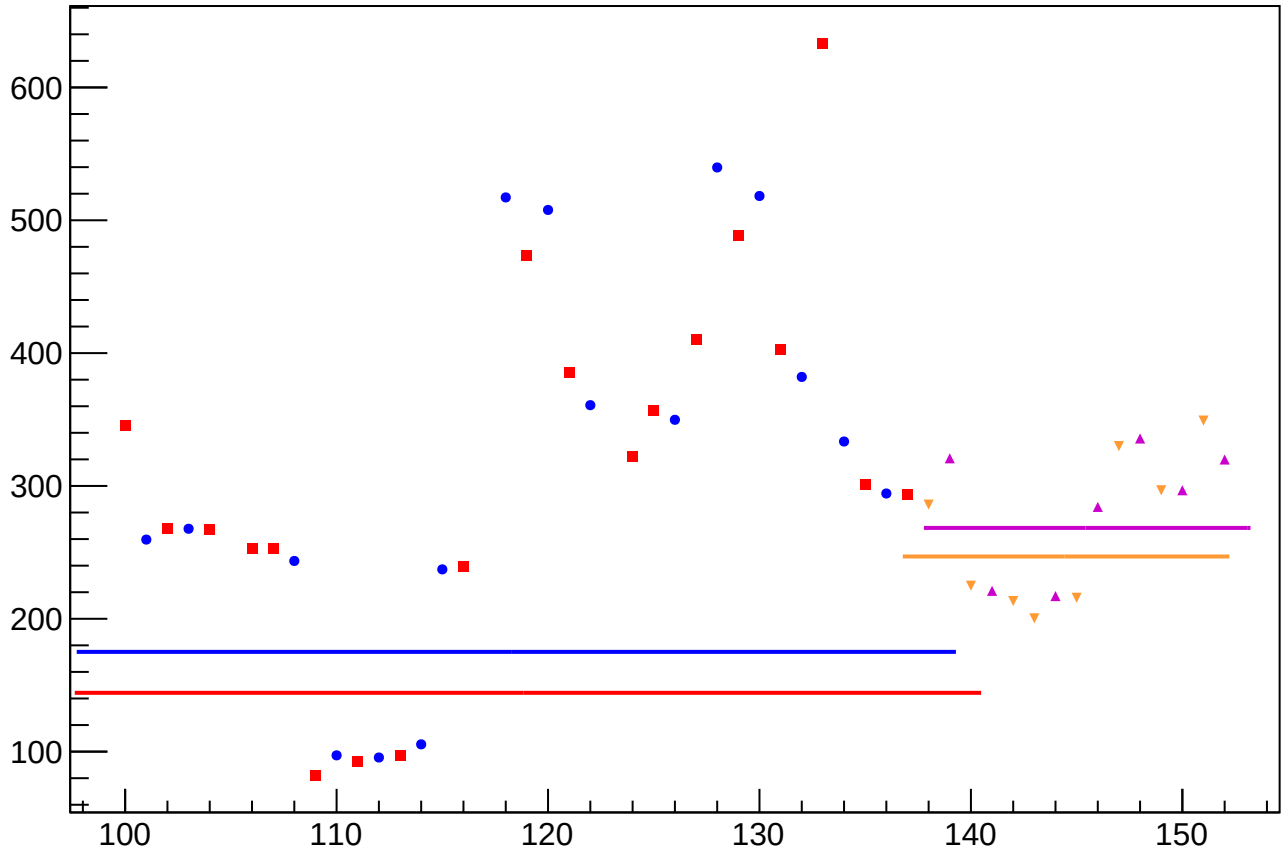
Left: -125.690+/-74.711 χ^2/NDF: 28.1/14

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -39.216+/-64.049 χ^2/NDF:29.6/22

Out: -75.953+/-55.289 χ^2/NDF:31.4/26

All: -60.267+/-41.852 χ^2/NDF: 61.2/49



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: 268.405+/-0.078 χ^2/NDF:359739.2/6

Left: 256.763+/-0.053 χ^2/NDF: 882739.1/14

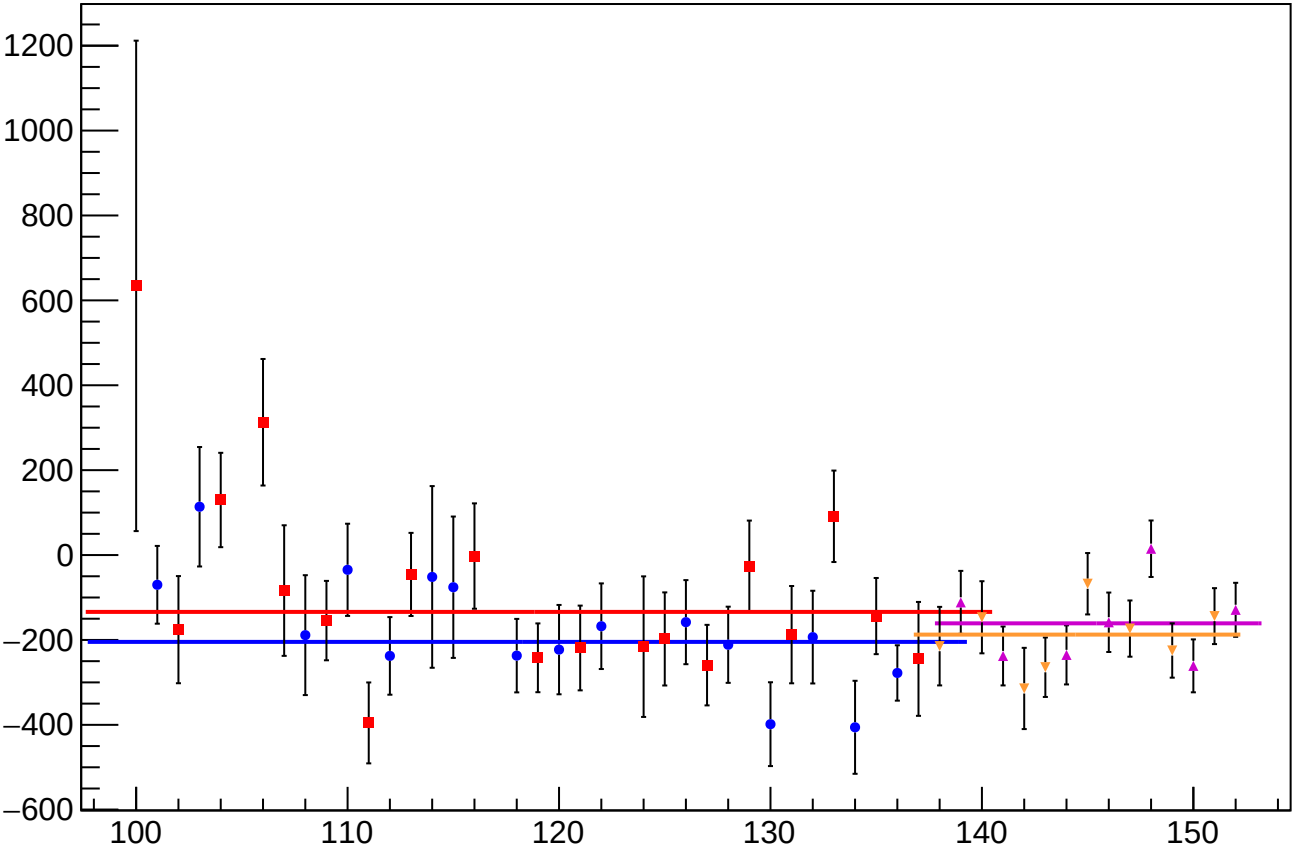
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 206.569+/-0.045 χ^2/NDF:5737537.3/22

Out: 174.684+/-0.039 χ^2/NDF:7050771.4/26

All: 188.298+/-0.030 χ^2/NDF: 13072320.9/49

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: -160.868+/-25.565 χ^2/NDF:12.6/6

Left: -173.834+/-18.281 χ^2/NDF: 20.0/14

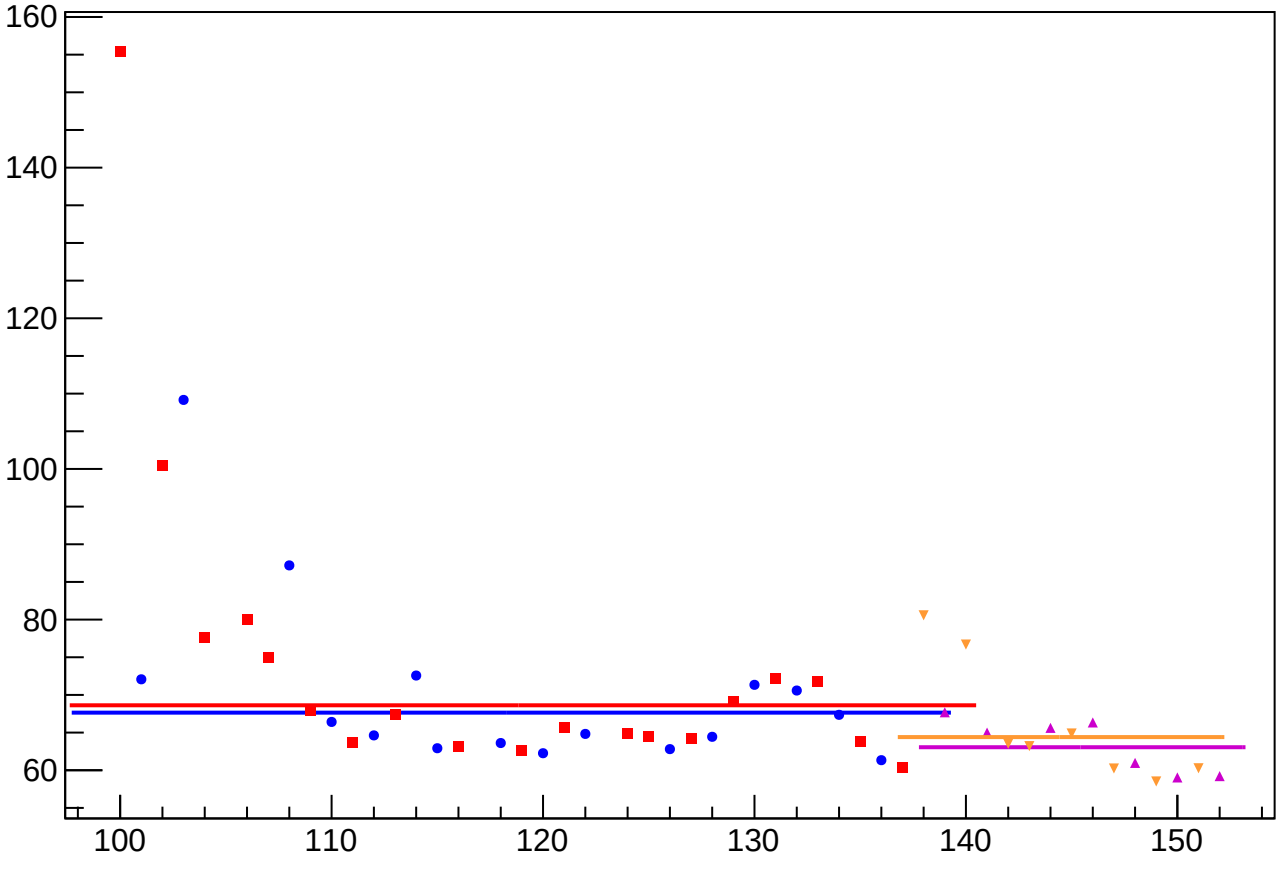
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -182.758+/-18.062 χ^2/NDF:34.1/22

Out: -159.972+/-18.251 χ^2/NDF:46.2/26

All: -171.483+/-12.838 χ^2/NDF: 81.1/49

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: 63.056+/-0.018 χ^2/NDF:34035.0/6

Left: 63.714+/-0.013 χ^2/NDF: 173257.5/14

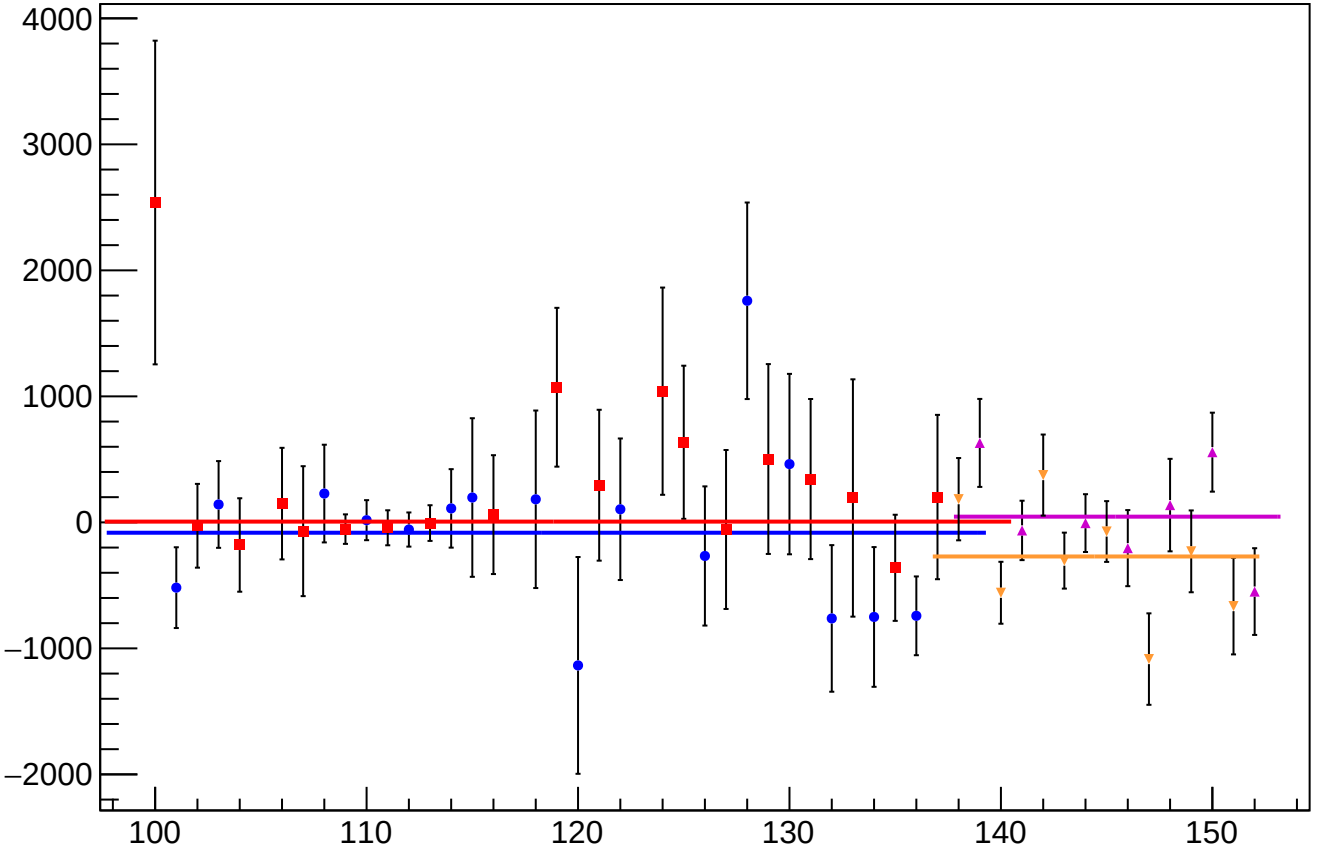
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 65.355+/-0.013 χ^2/NDF:330012.9/22

Out: 66.568+/-0.013 χ^2/NDF:411408.5/26

All: 65.955+/-0.009 χ^2/NDF: 745880.1/49

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 45.302+/-110.286 χ^2/NDF:9.5/6

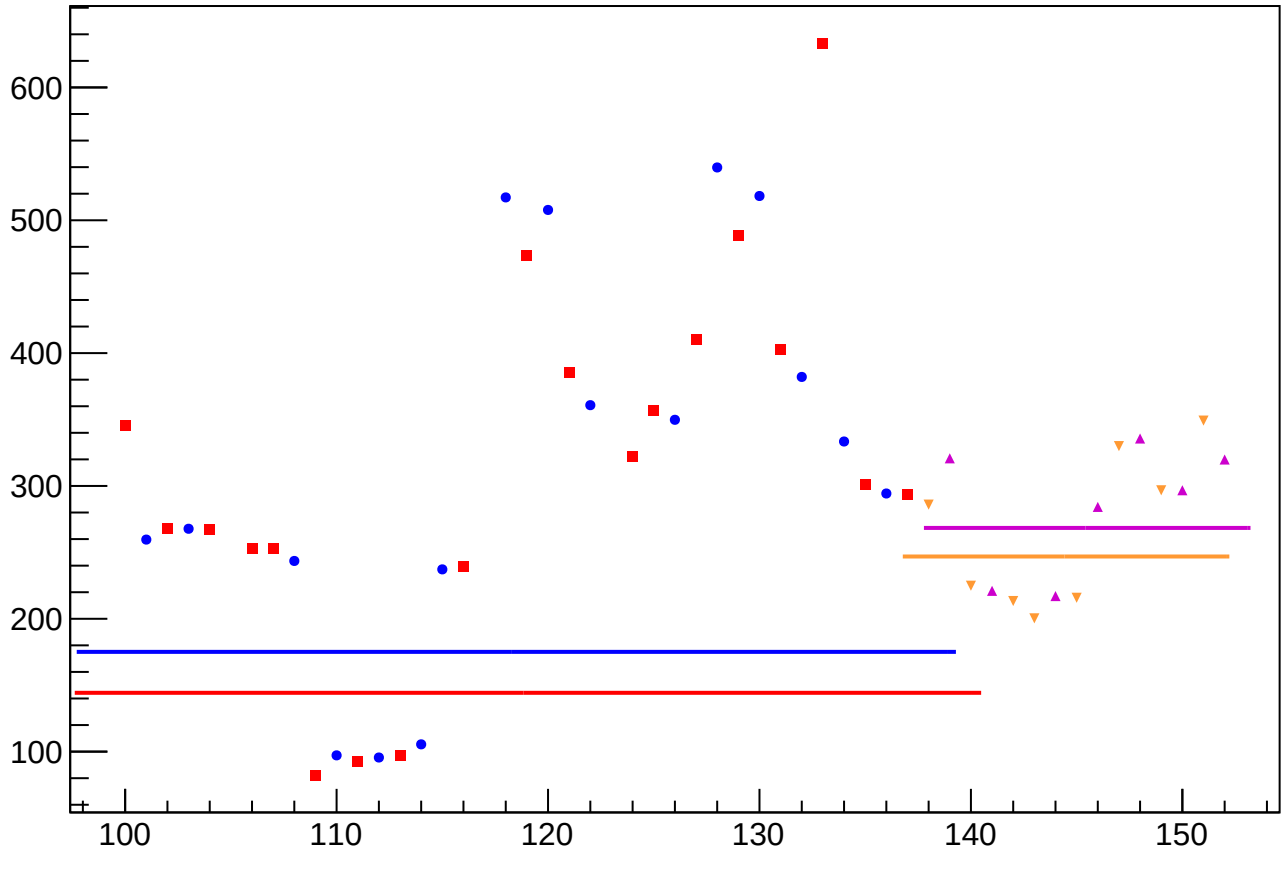
Left: -125.690+/-74.710 χ^2/NDF: 28.1/14

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -39.215+/-64.048 χ^2/NDF:29.6/22

Out: -75.955+/-55.289 χ^2/NDF:31.4/26

All: -60.267+/-41.852 χ^2/NDF: 61.2/49



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: 268.404+/-0.078 χ^2/NDF:359737.6/6

Left: 256.762+/-0.053 χ^2/NDF: 882740.3/14

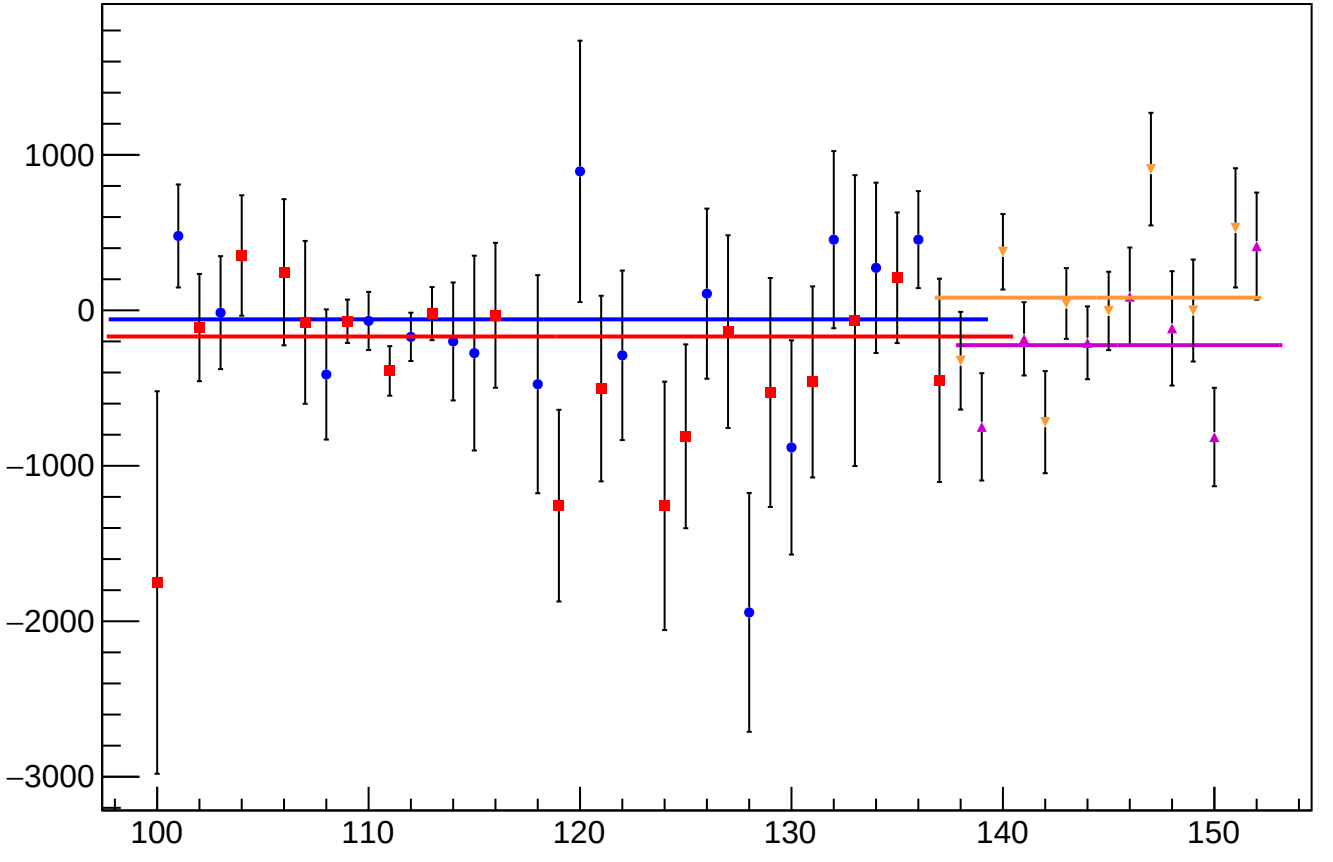
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 206.567+/-0.045 χ^2/NDF:5737574.0/22

Out: 174.683+/-0.039 χ^2/NDF:7050740.7/26

All: 188.297+/-0.030 χ^2/NDF: 13072313.7/49

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: -224.054+/-111.470 χ^2/NDF:10.3/6

Left: -58.609+/-75.470 χ^2/NDF: 30.3/14

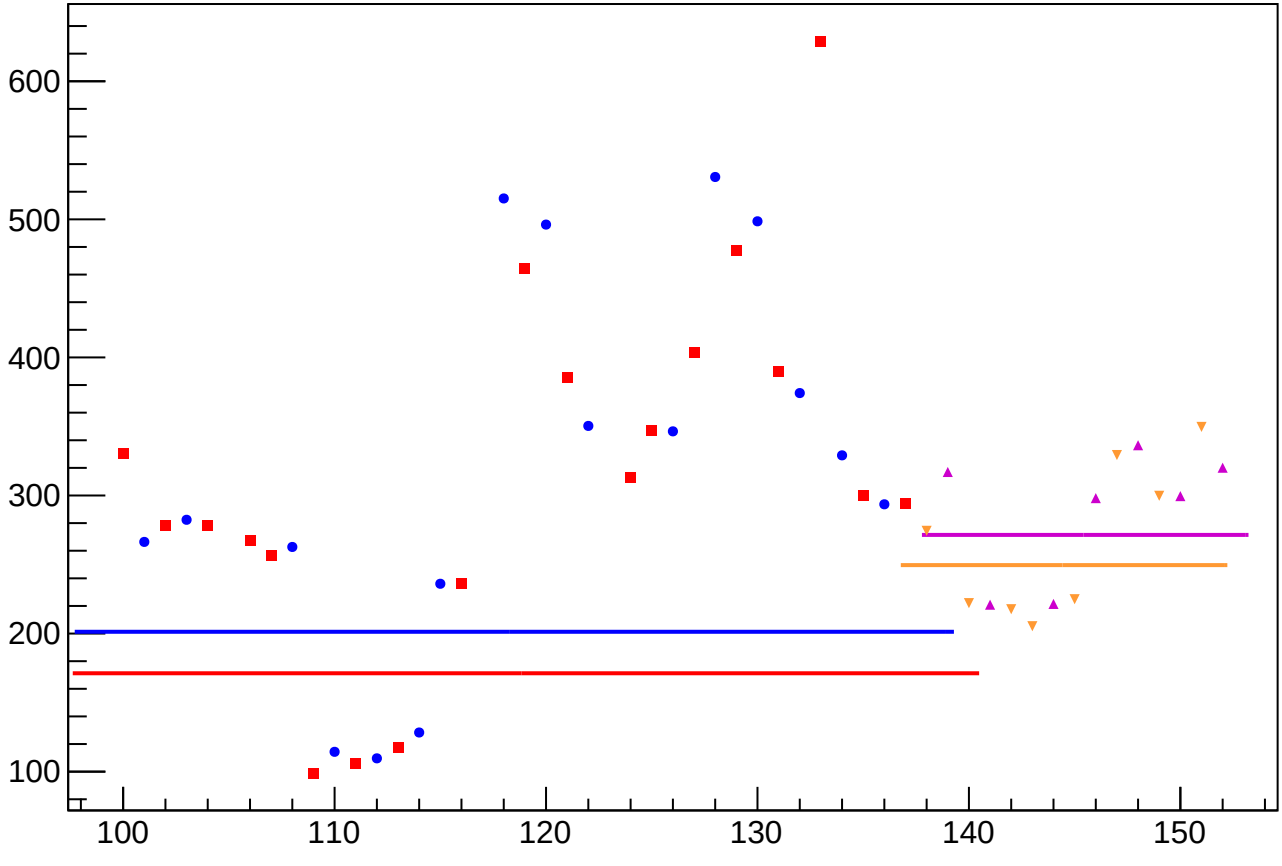
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -120.744+/-68.530 χ^2/NDF:29.1/22

Out: -81.901+/-60.325 χ^2/NDF:35.2/26

All: -98.859+/-45.281 χ^2/NDF: 64.5/49

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: 271.457+/-0.079 χ^2/NDF:350245.8/6

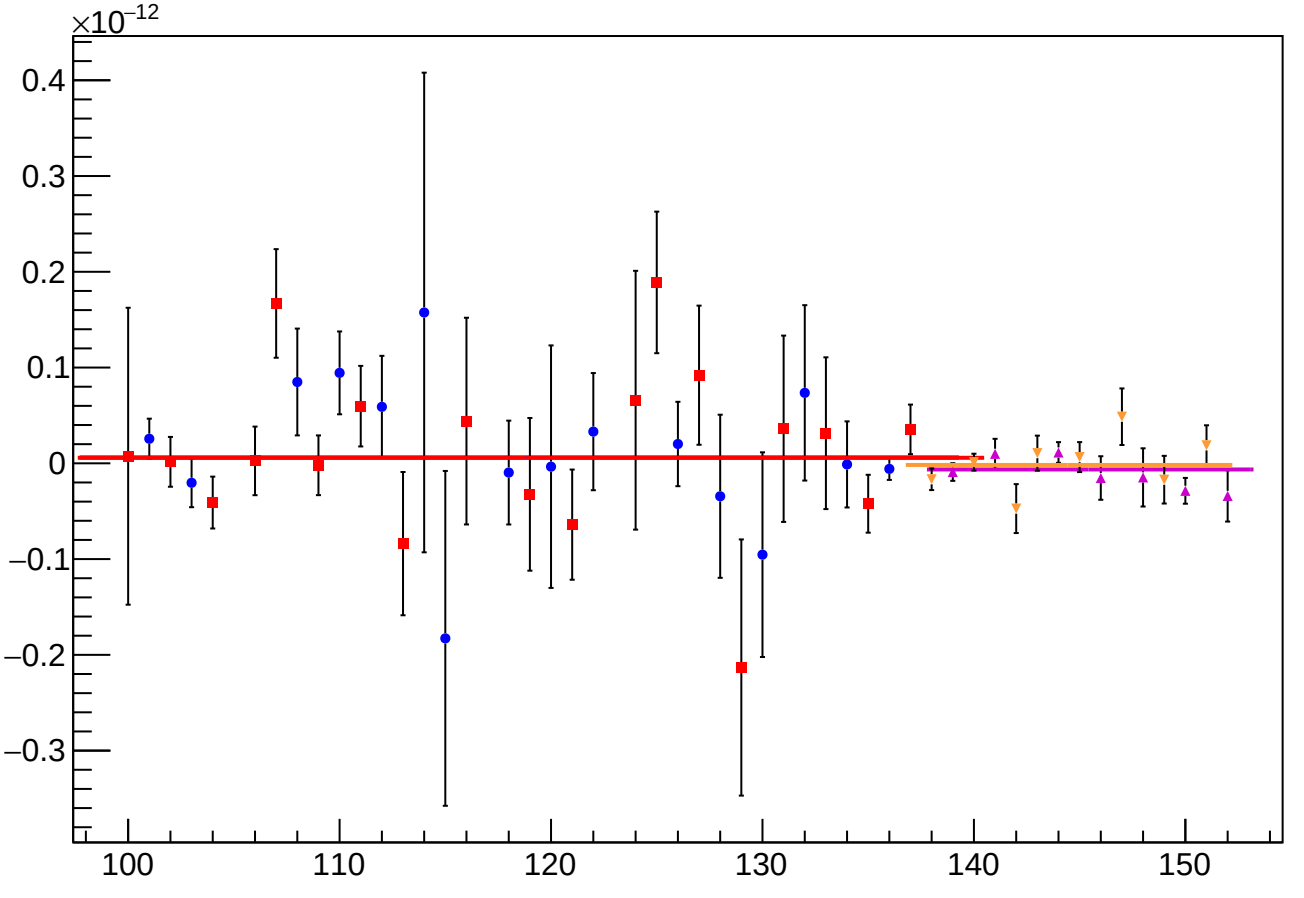
Left: 259.610+/-0.053 χ^2/NDF: 823795.0/14

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 227.817+/-0.048 χ^2/NDF:4415233.0/22

Out: 198.358+/-0.043 χ^2/NDF:5387510.9/26

All: 211.220+/-0.032 χ^2/NDF: 10010970.7/49



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:7.9/6

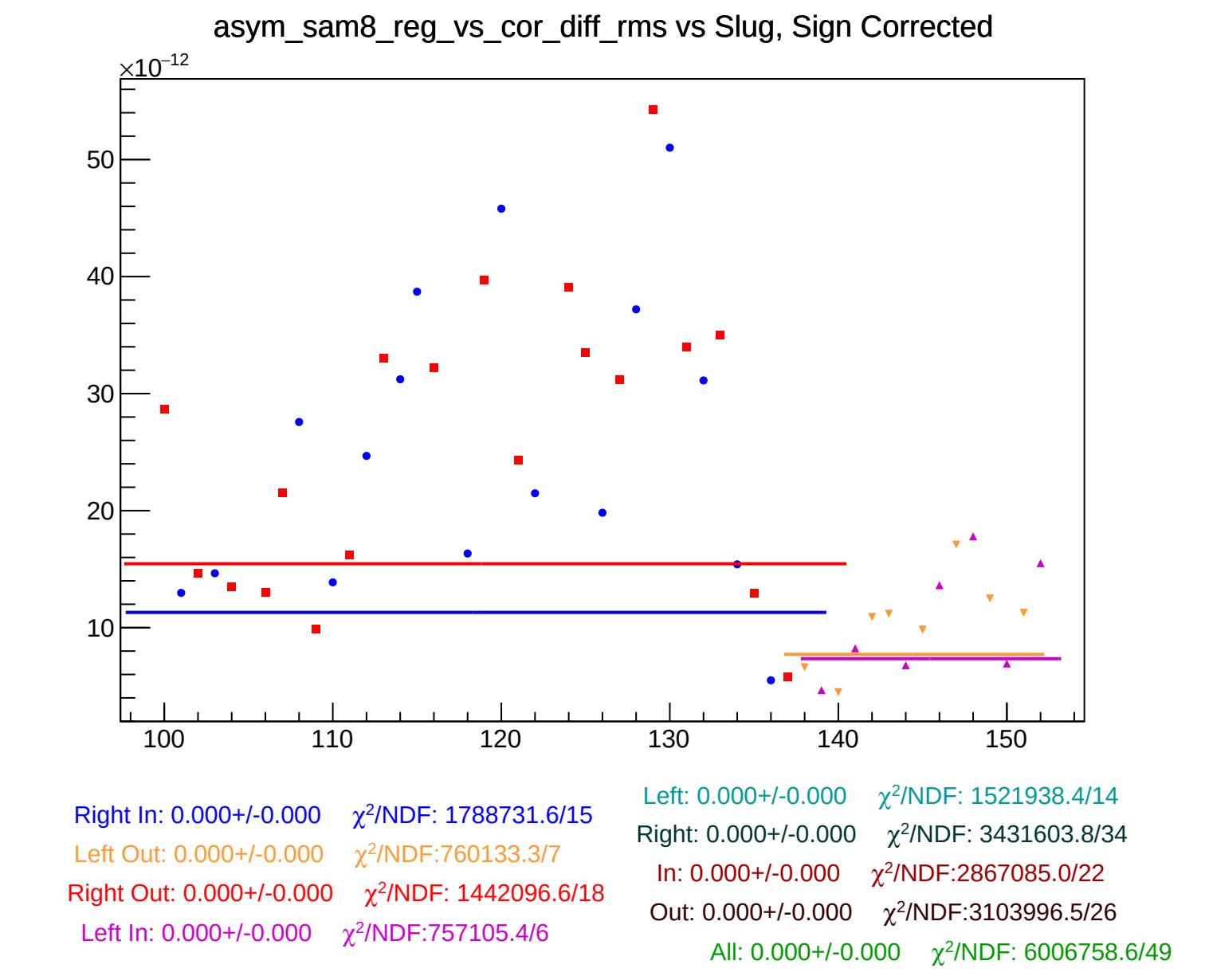
Left: -0.000+/-0.000 χ^2/NDF: 18.3/14

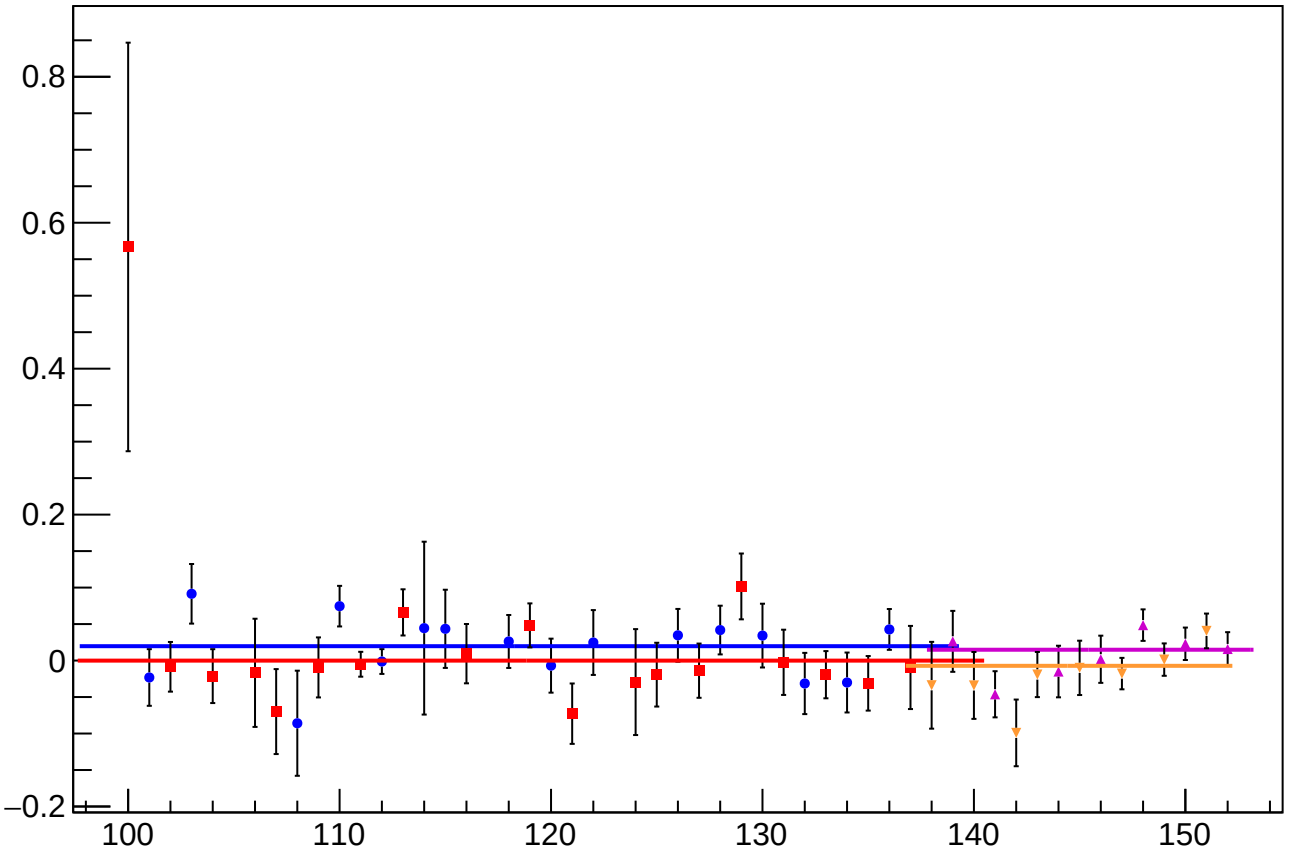
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:23.3/22

Out: -0.000+/-0.000 χ^2/NDF:41.0/26

All: -0.000+/-0.000 χ^2/NDF: 64.4/49


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:757105.4/6
Left: 0.000+/-0.000 χ²/NDF: 1521938.4/14
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:2867085.0/22
Out: 0.000+/-0.000 χ²/NDF:3103996.5/26
All: 0.000+/-0.000 χ²/NDF: 6006758.6/49



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+/-0.010 χ^2/NDF:7.3/6

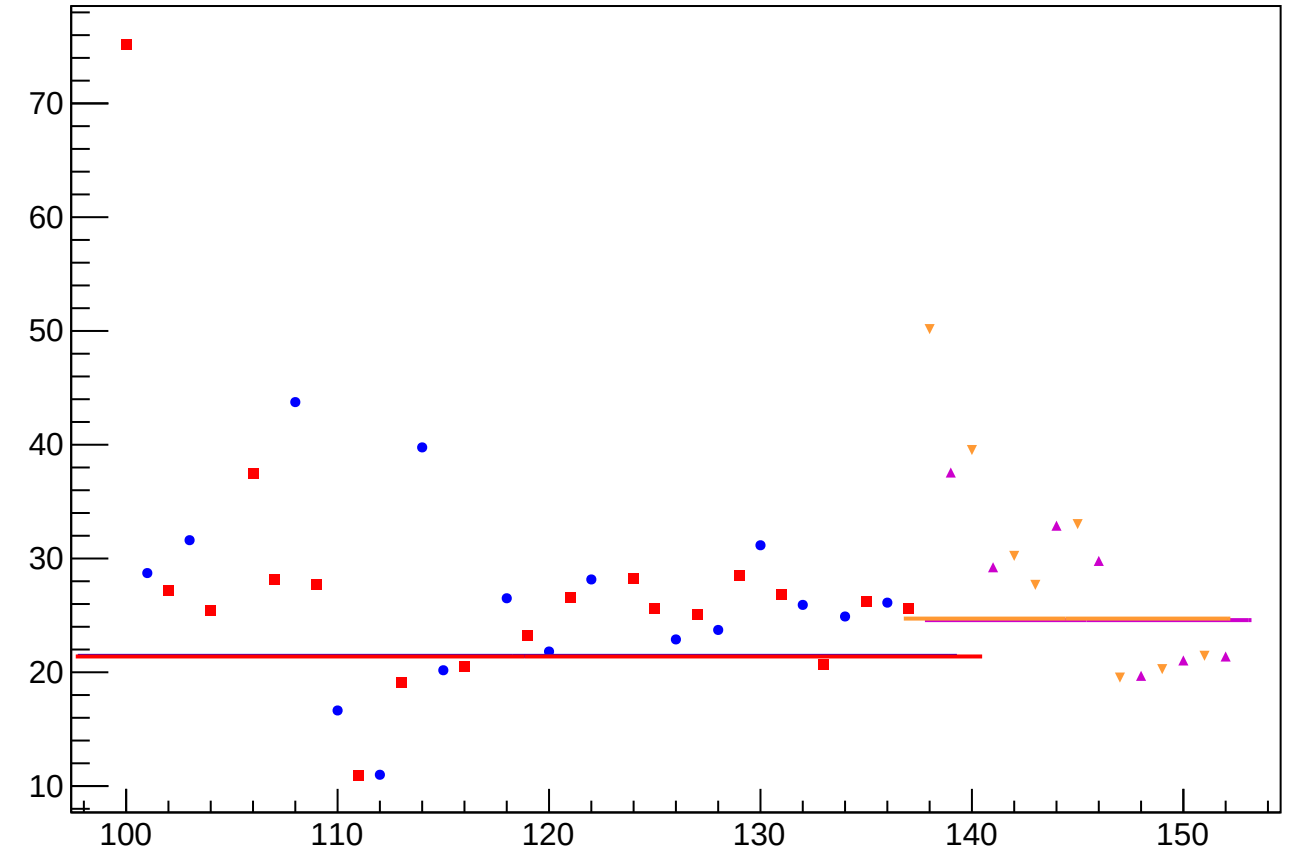
Left: 0.004+/-0.007 χ^2/NDF: 18.7/14

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.018+/-0.007 χ^2/NDF:24.4/22

Out: -0.003+/-0.007 χ^2/NDF:32.3/26

All: 0.007+/-0.005 χ^2/NDF: 61.5/49



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: 24.585+/-0.007 χ^2/NDF:590445.4/6

Left: 24.650+/-0.005 χ^2/NDF: 1546422.4/14

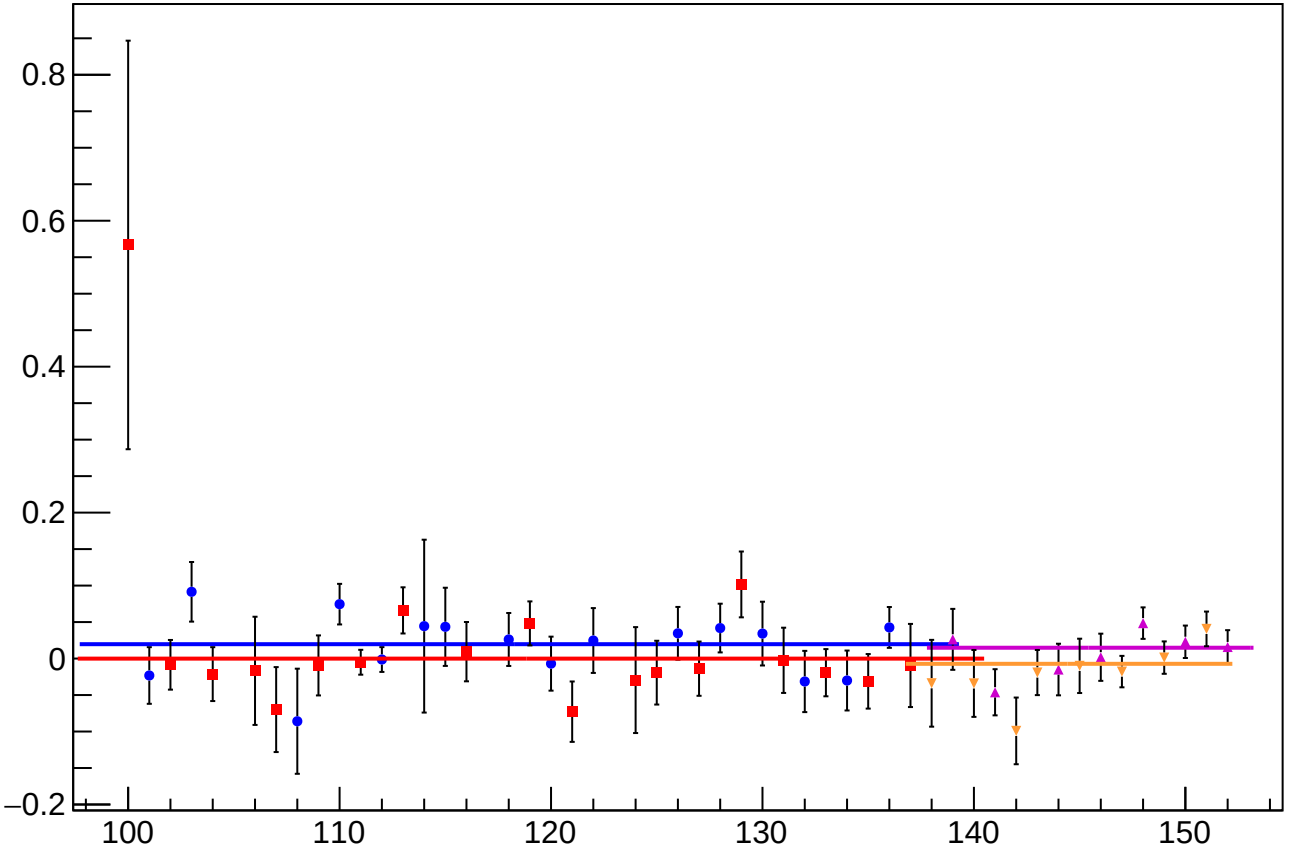
Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.745+/-0.005 χ^2/NDF:2239566.7/22

Out: 22.699+/-0.005 χ^2/NDF:2388274.9/26

All: 22.722+/-0.003 χ^2/NDF: 4627890.3/49

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.007+/-0.011 χ^2/NDF:9.2/7

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.015+/-0.010 χ^2/NDF:7.3/6

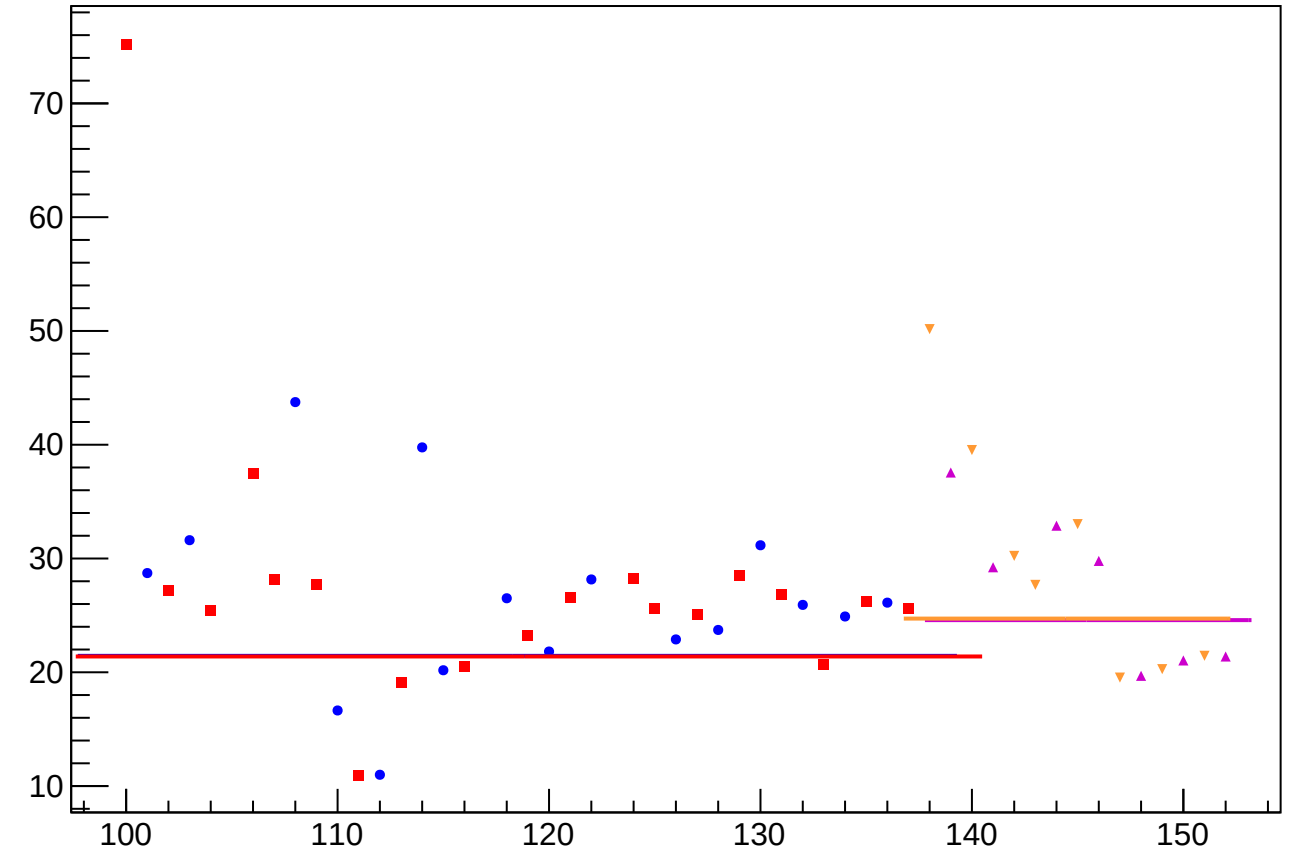
Left: 0.004+/-0.007 χ^2/NDF: 18.7/14

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.018+/-0.007 χ^2/NDF:24.4/22

Out: -0.003+/-0.007 χ^2/NDF:32.3/26

All: 0.007+/-0.005 χ^2/NDF: 61.5/49



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: 24.585+/-0.007 χ^2/NDF:590445.4/6

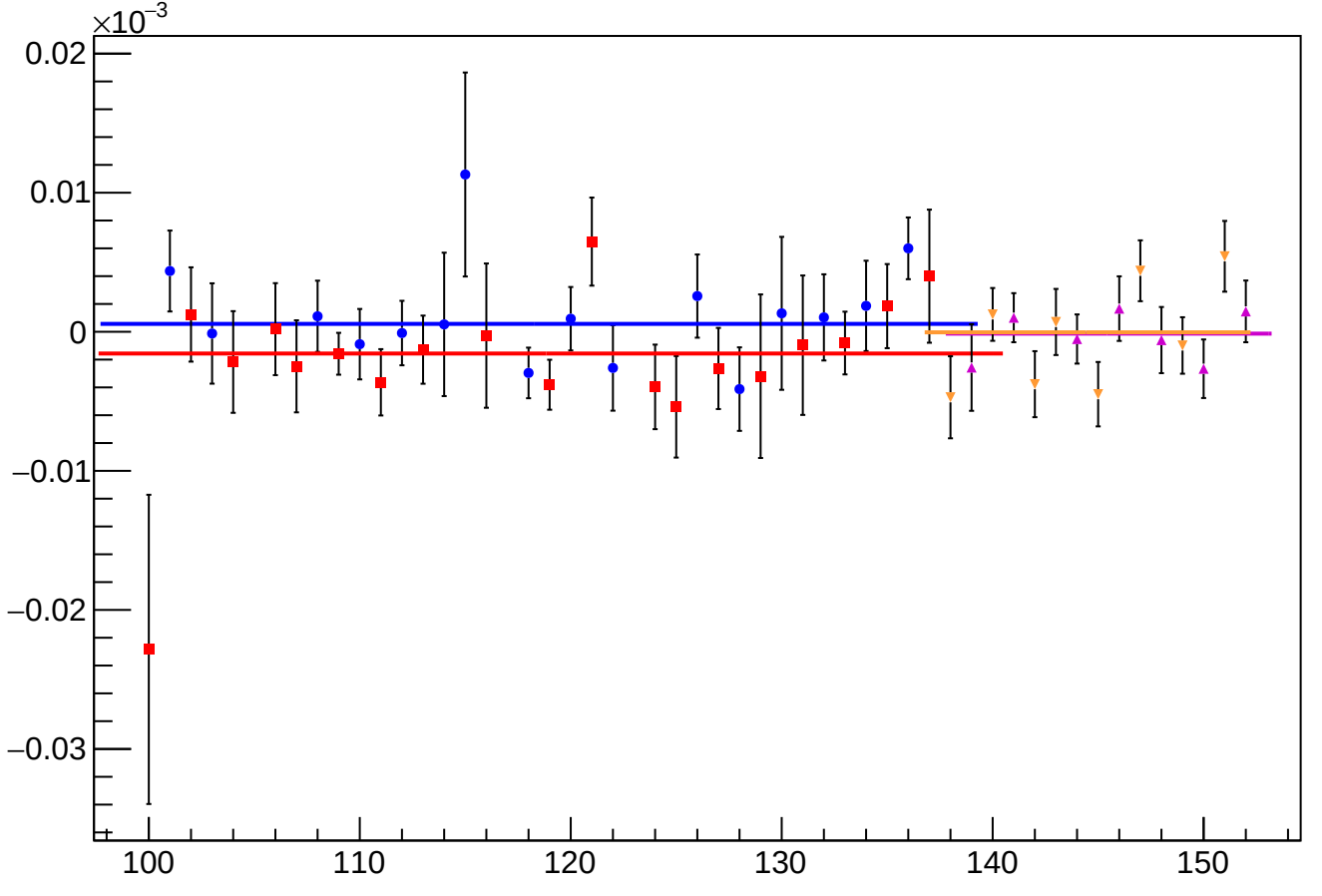
Left: 24.650+/-0.005 χ^2/NDF: 1546422.4/14

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.745+/-0.005 χ^2/NDF:2239566.7/22

Out: 22.699+/-0.005 χ^2/NDF:2388274.9/26

All: 22.722+/-0.003 χ^2/NDF: 4627890.3/49



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:3.7/6

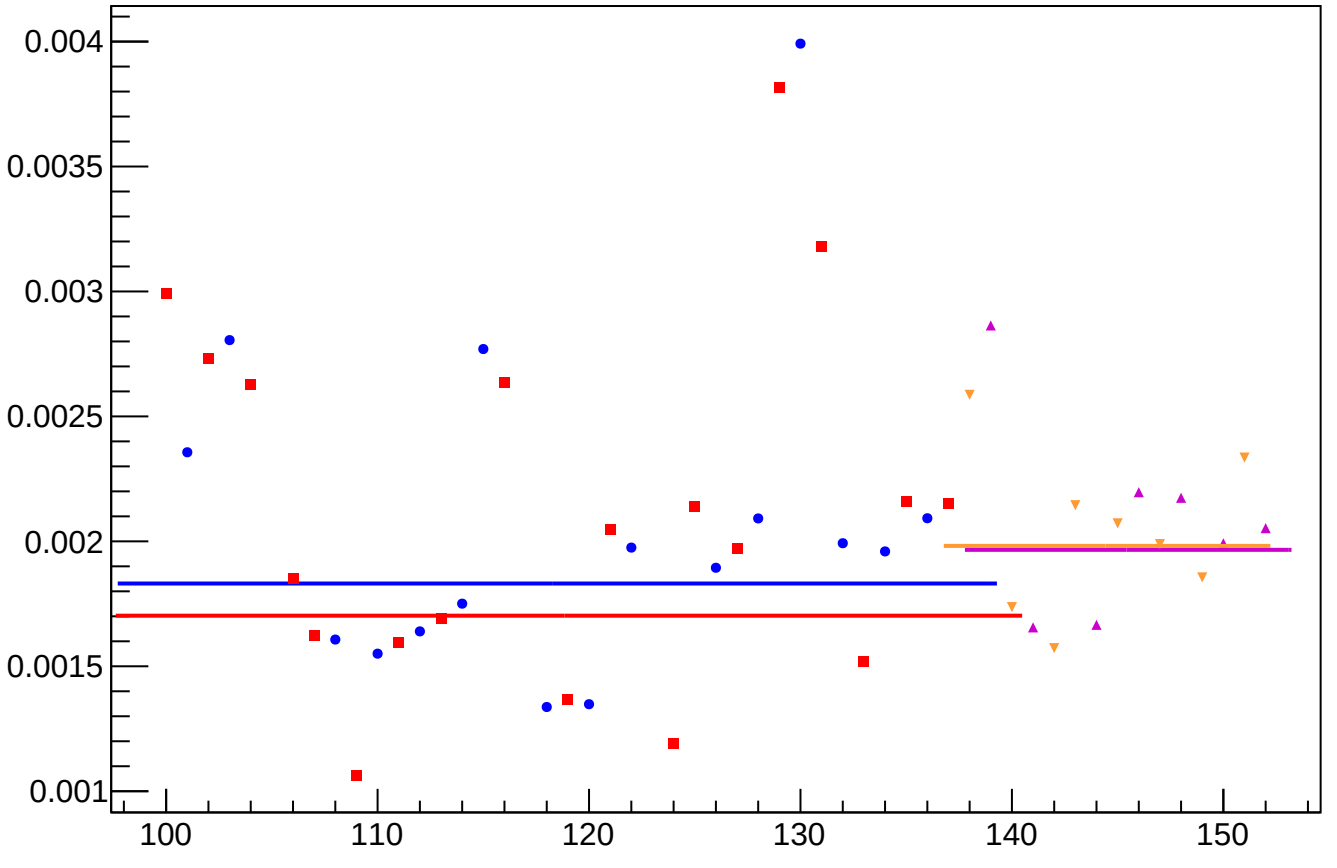
Left: -0.000+/-0.000 χ^2/NDF: 21.8/14

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:22.4/22

Out: -0.000+/-0.000 χ^2/NDF:38.6/26

All: -0.000+/-0.000 χ^2/NDF: 63.7/49



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:324199.2/6

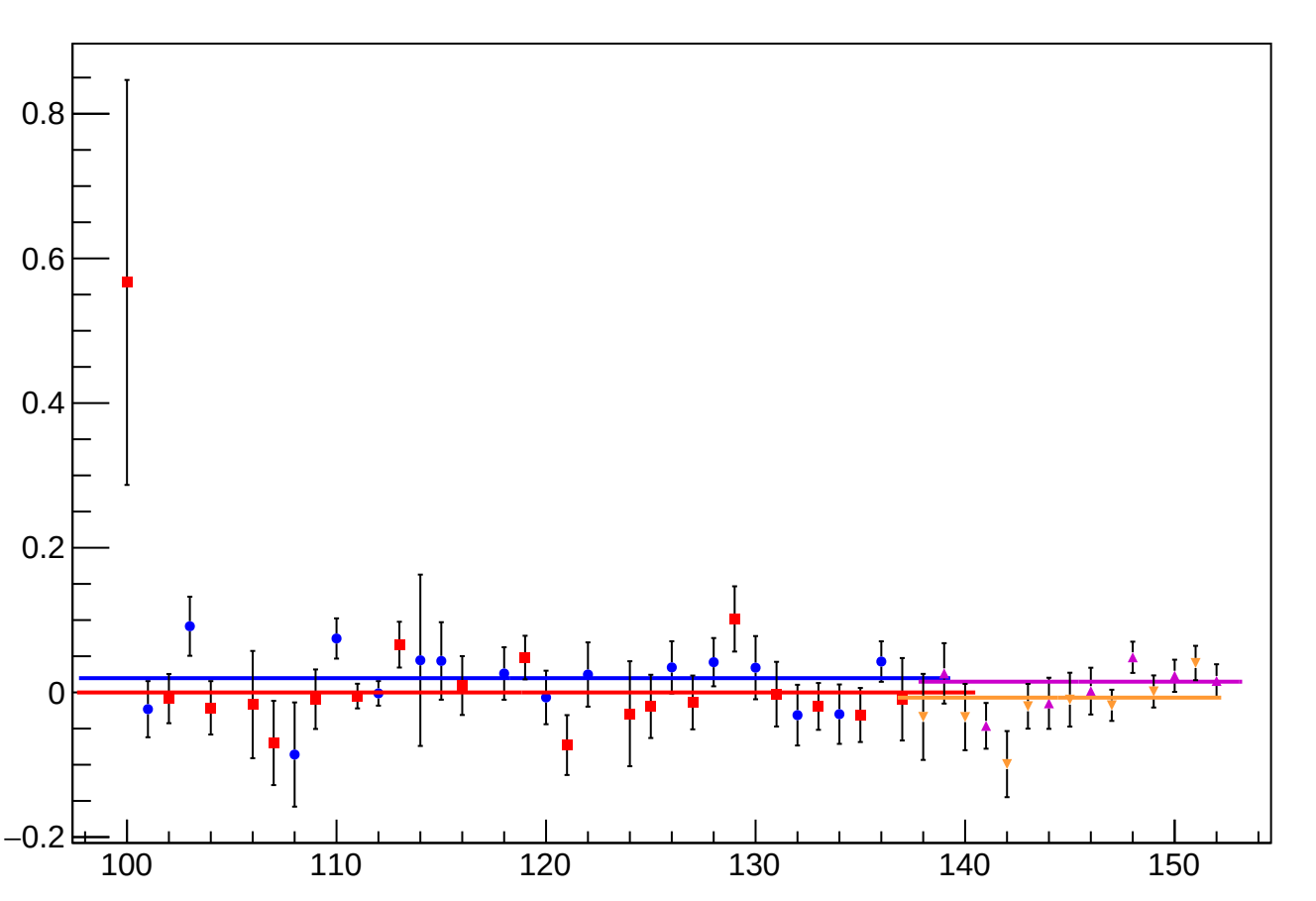
Left: 0.002+/-0.000 χ^2/NDF: 560047.3/14

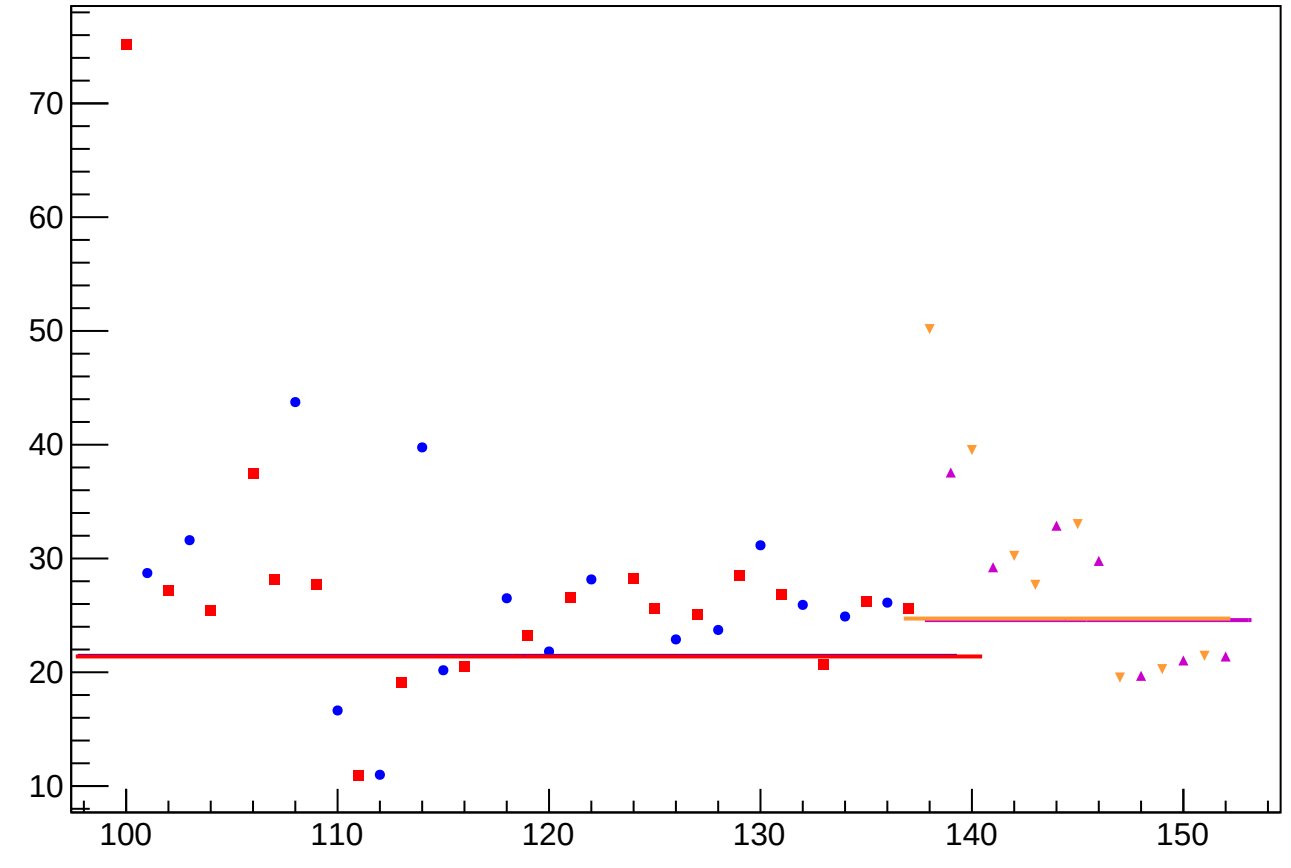
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1256168.8/22

Out: 0.002+/-0.000 χ^2/NDF:1857448.6/26

All: 0.002+/-0.000 χ^2/NDF: 3134491.6/49


asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: 0.020+/-0.009 χ²/NDF: 17.0/15
Left Out: -0.007+/-0.011 χ²/NDF:9.2/7
Right Out: -0.000+/-0.009 χ²/NDF: 22.8/18
Left In: 0.015+/-0.010 χ²/NDF:7.3/6
Left: 0.004+/-0.007 χ²/NDF: 18.7/14
Right: 0.010+/-0.006 χ²/NDF: 42.5/34
In: 0.018+/-0.007 χ²/NDF:24.4/22
Out: -0.003+/-0.007 χ²/NDF:32.3/26
All: 0.007+/-0.005 χ²/NDF: 61.5/49



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: 24.585+/-0.007 χ^2/NDF:590437.9/6

Left: 24.651+/-0.005 χ^2/NDF: 1546407.3/14

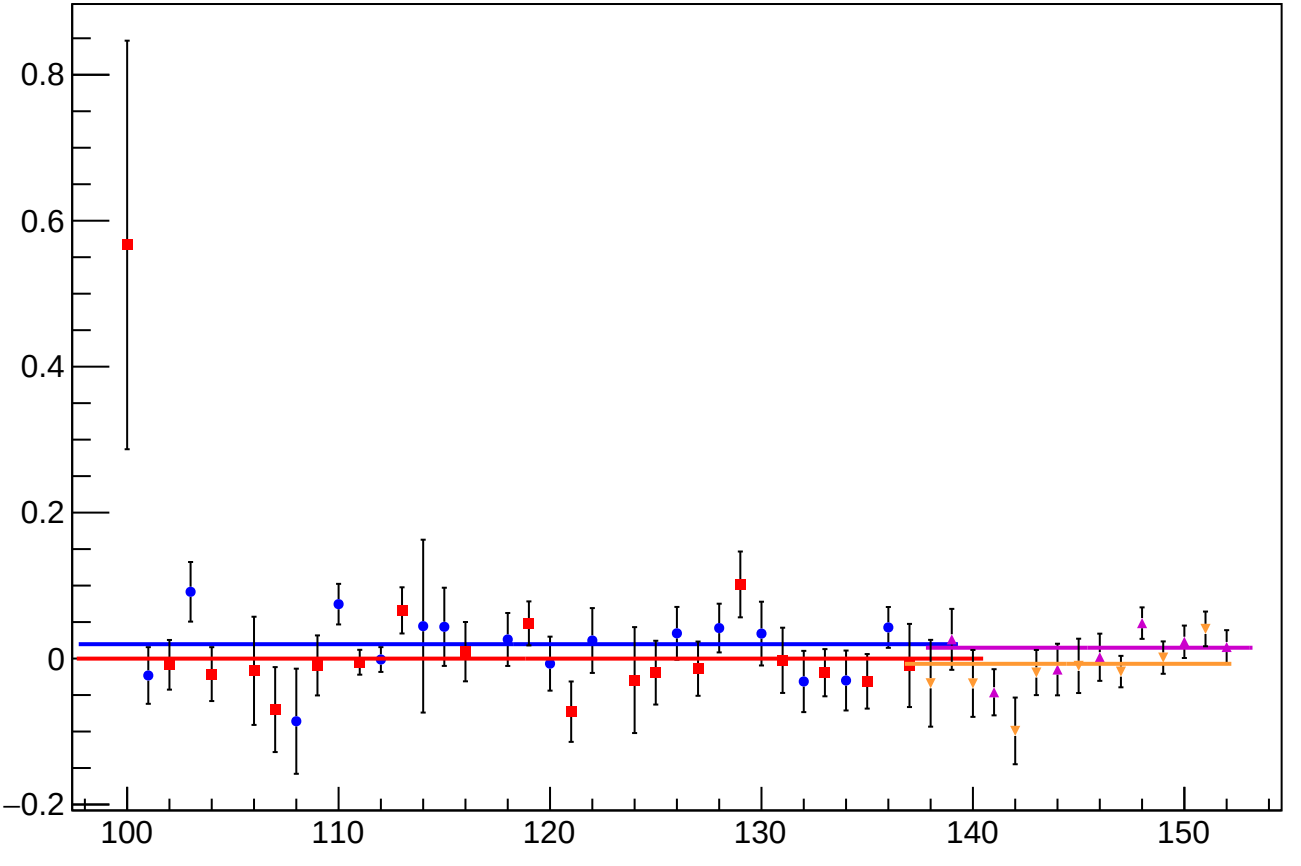
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.745+/-0.005 χ^2/NDF:2239769.7/22

Out: 22.699+/-0.005 χ^2/NDF:2388455.2/26

All: 22.722+/-0.003 χ^2/NDF: 4628273.5/49

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+/-0.010 χ^2/NDF:7.3/6

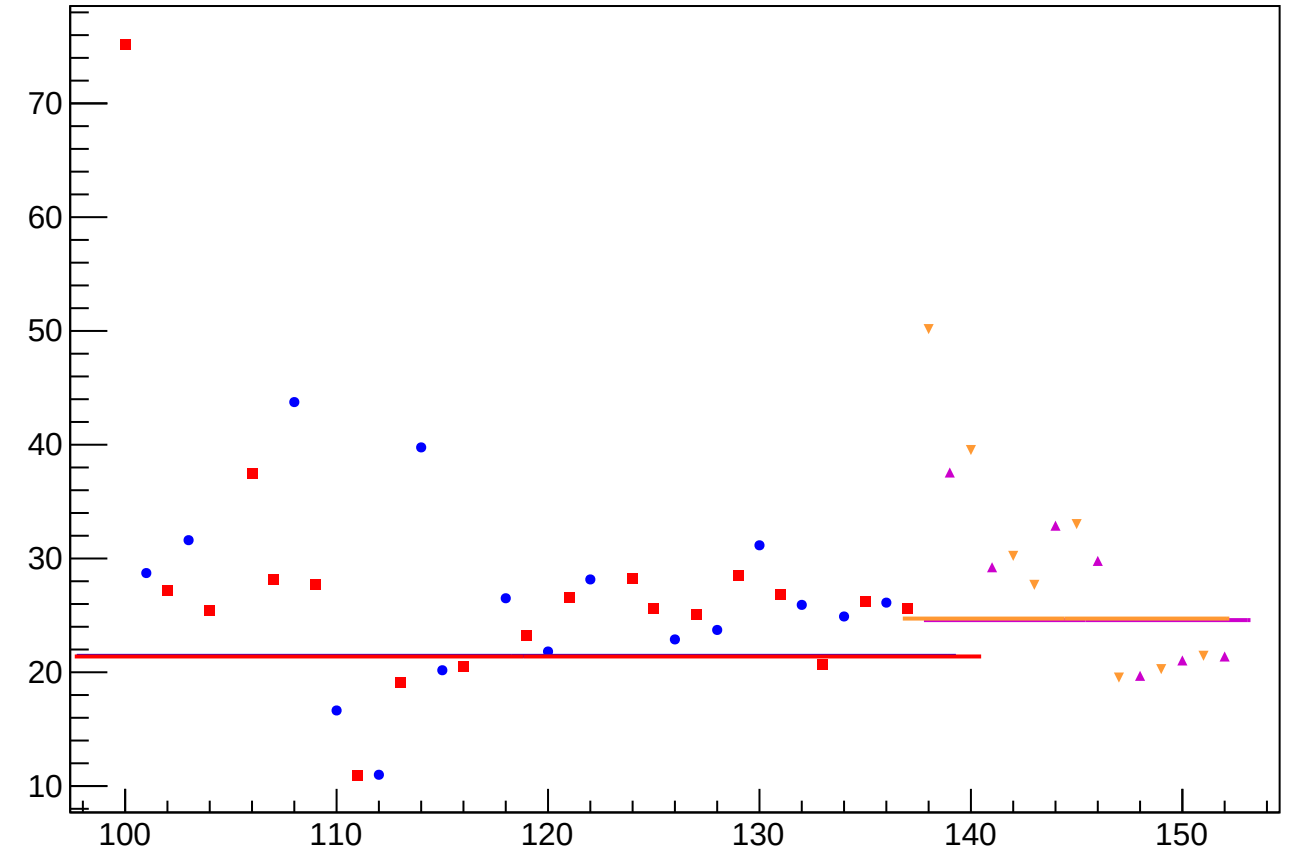
Left: 0.004+/-0.007 χ^2/NDF: 18.7/14

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.018+/-0.007 χ^2/NDF:24.4/22

Out: -0.003+/-0.007 χ^2/NDF:32.3/26

All: 0.007+/-0.005 χ^2/NDF: 61.5/49



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: 24.585+/-0.007 χ^2/NDF:590437.9/6

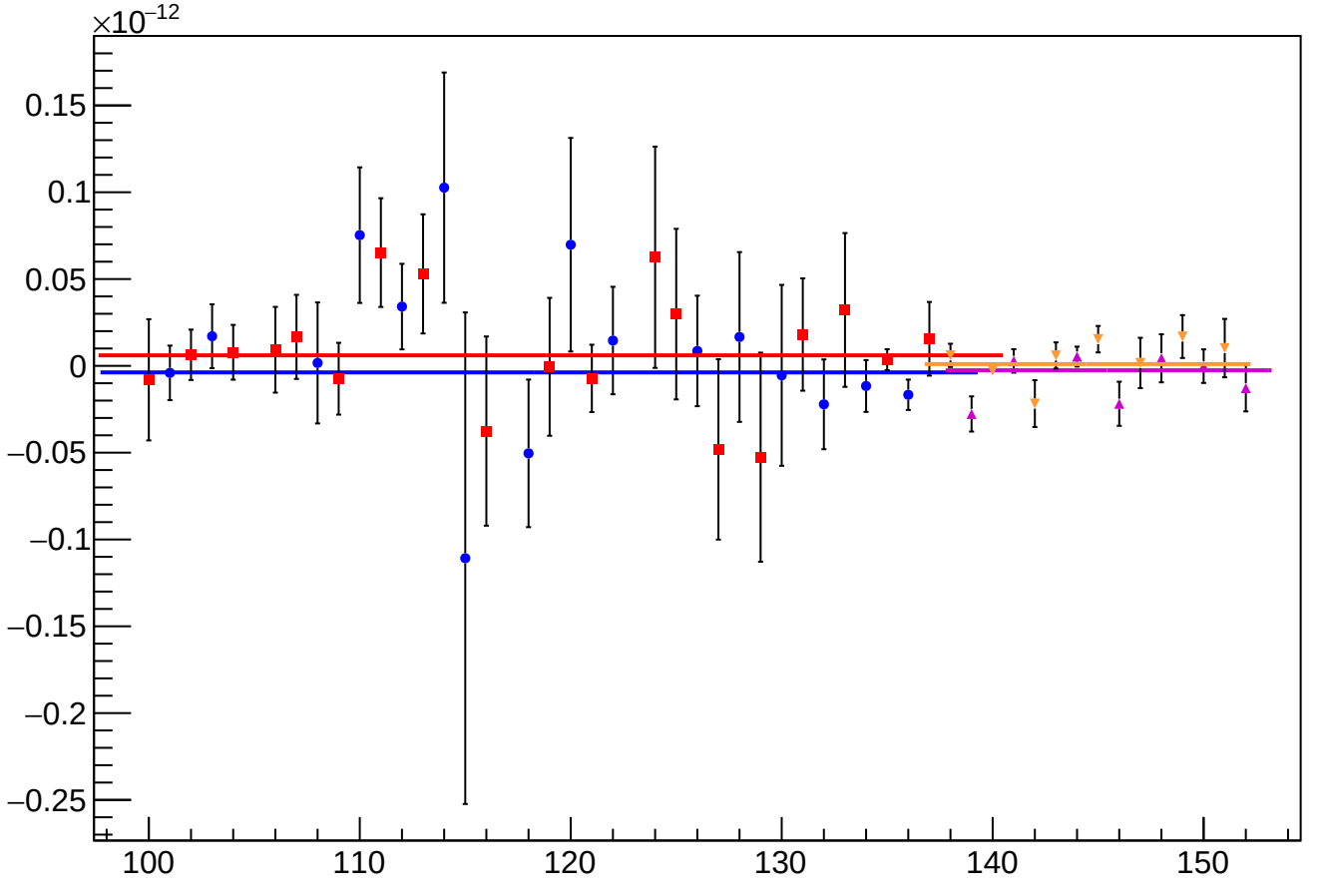
Left: 24.651+/-0.005 χ^2/NDF: 1546407.3/14

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.745+/-0.005 χ^2/NDF:2239769.7/22

Out: 22.699+/-0.005 χ^2/NDF:2388455.2/26

All: 22.722+/-0.003 χ^2/NDF: 4628273.5/49



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:11.9/6

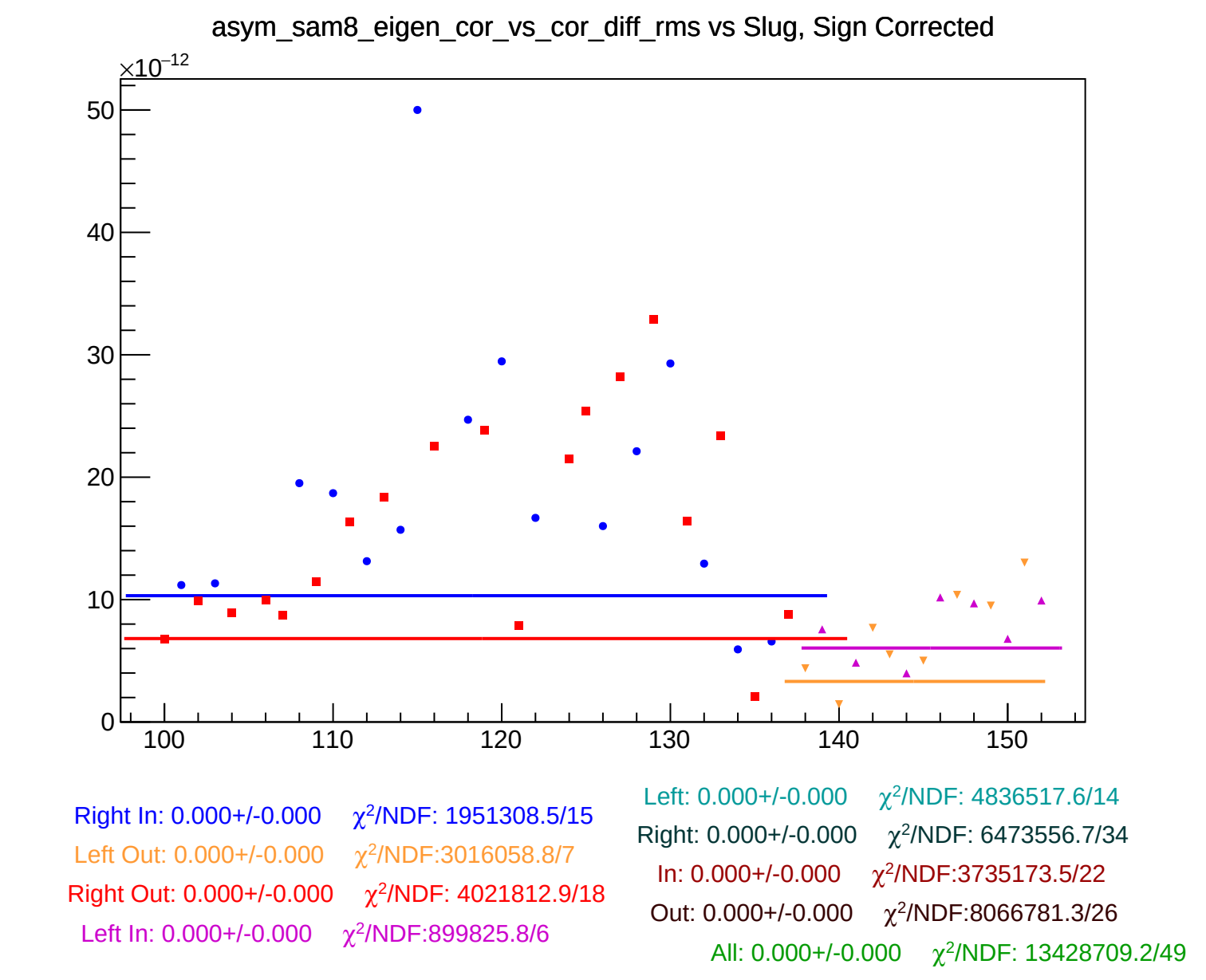
Left: -0.000+/-0.000 χ^2/NDF: 23.8/14

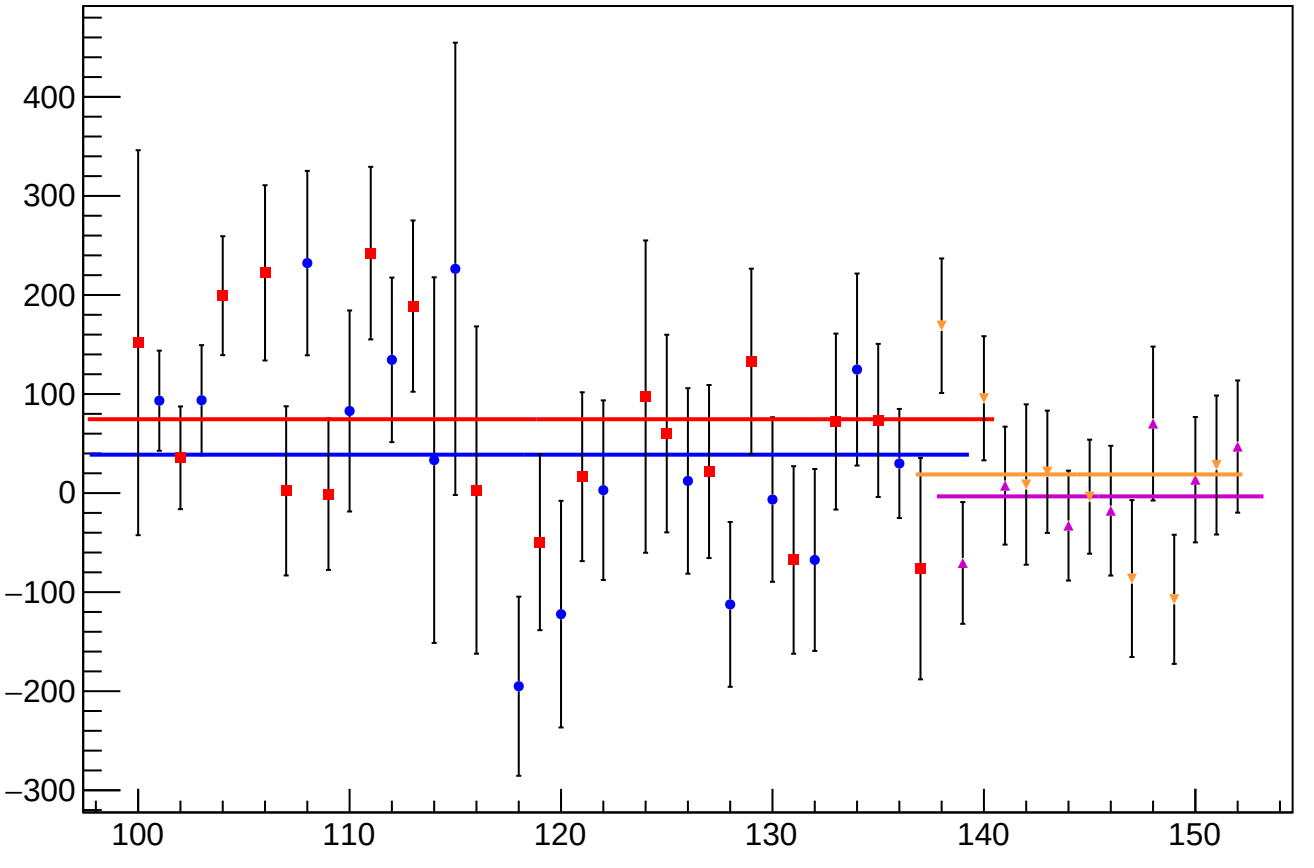
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:29.1/22

Out: 0.000+/-0.000 χ^2/NDF:23.4/26

All: 0.000+/-0.000 χ^2/NDF: 54.6/49


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:899825.8/6
Left: 0.000+/-0.000 χ²/NDF: 4836517.6/14
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:3735173.5/22
Out: 0.000+/-0.000 χ²/NDF:8066781.3/26
All: 0.000+/-0.000 χ²/NDF: 13428709.2/49



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: -3.311+/-23.941 χ^2/NDF:3.1/6

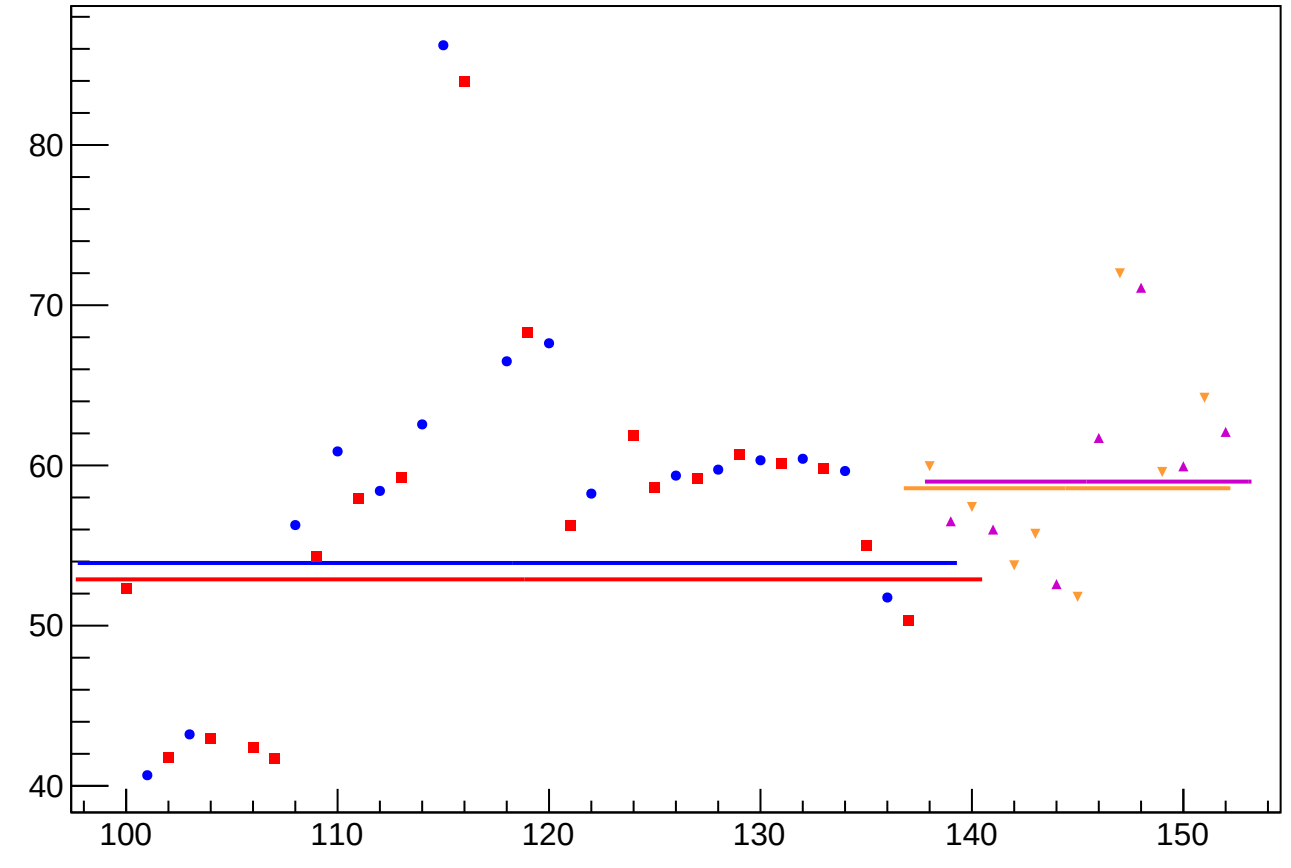
Left: 7.900+/-16.829 χ^2/NDF: 15.6/14

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 21.062+/-15.533 χ^2/NDF:28.2/22

Out: 51.624+/-15.185 χ^2/NDF:37.8/26

All: 36.689+/-10.859 χ^2/NDF: 68.0/49



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: 58.991+/-0.017 χ^2/NDF:91645.4/6

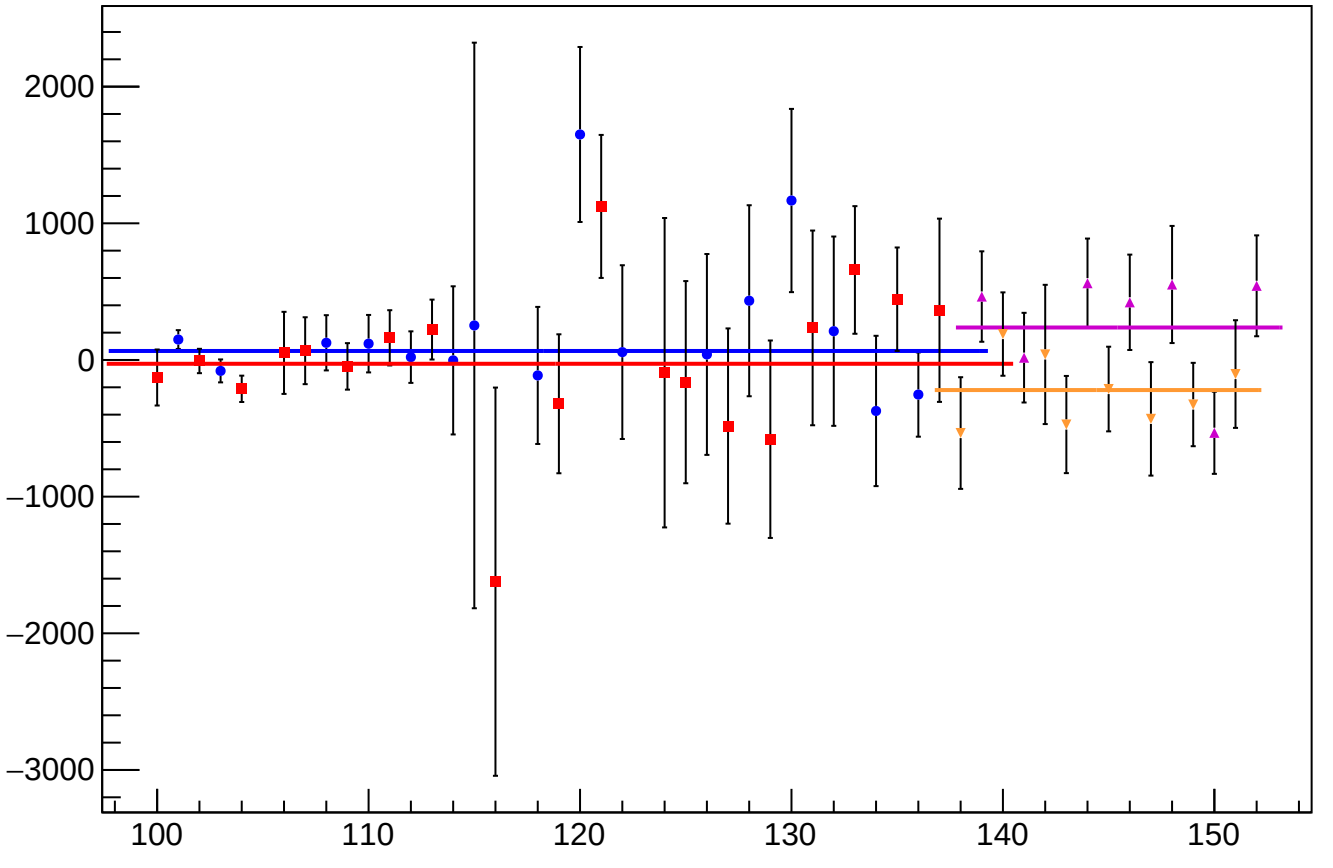
Left: 58.781+/-0.012 χ^2/NDF: 203259.4/14

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 56.050+/-0.011 χ^2/NDF:537014.3/22

Out: 55.231+/-0.011 χ^2/NDF:604475.9/26

All: 55.631+/-0.008 χ^2/NDF: 1144331.7/49



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: 237.601+/-129.250 χ^2/NDF:10.0/6

Left: 4.863+/-90.617 χ^2/NDF: 20.0/14

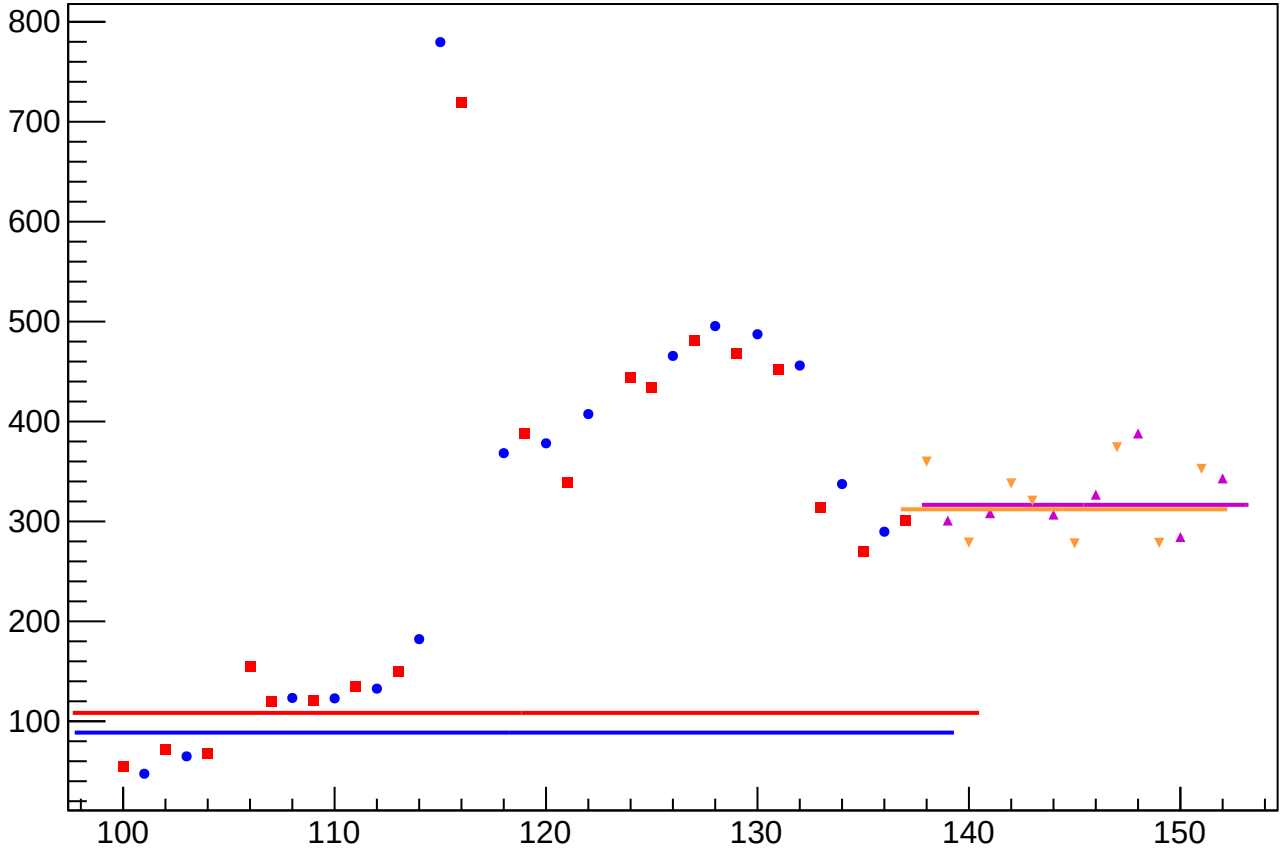
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 85.519+/-43.737 χ^2/NDF:27.2/22

Out: -53.886+/-46.763 χ^2/NDF:23.6/26

All: 20.473+/-31.943 χ^2/NDF: 55.6/49

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: 316.595+/-0.091 χ^2/NDF:98102.3/6

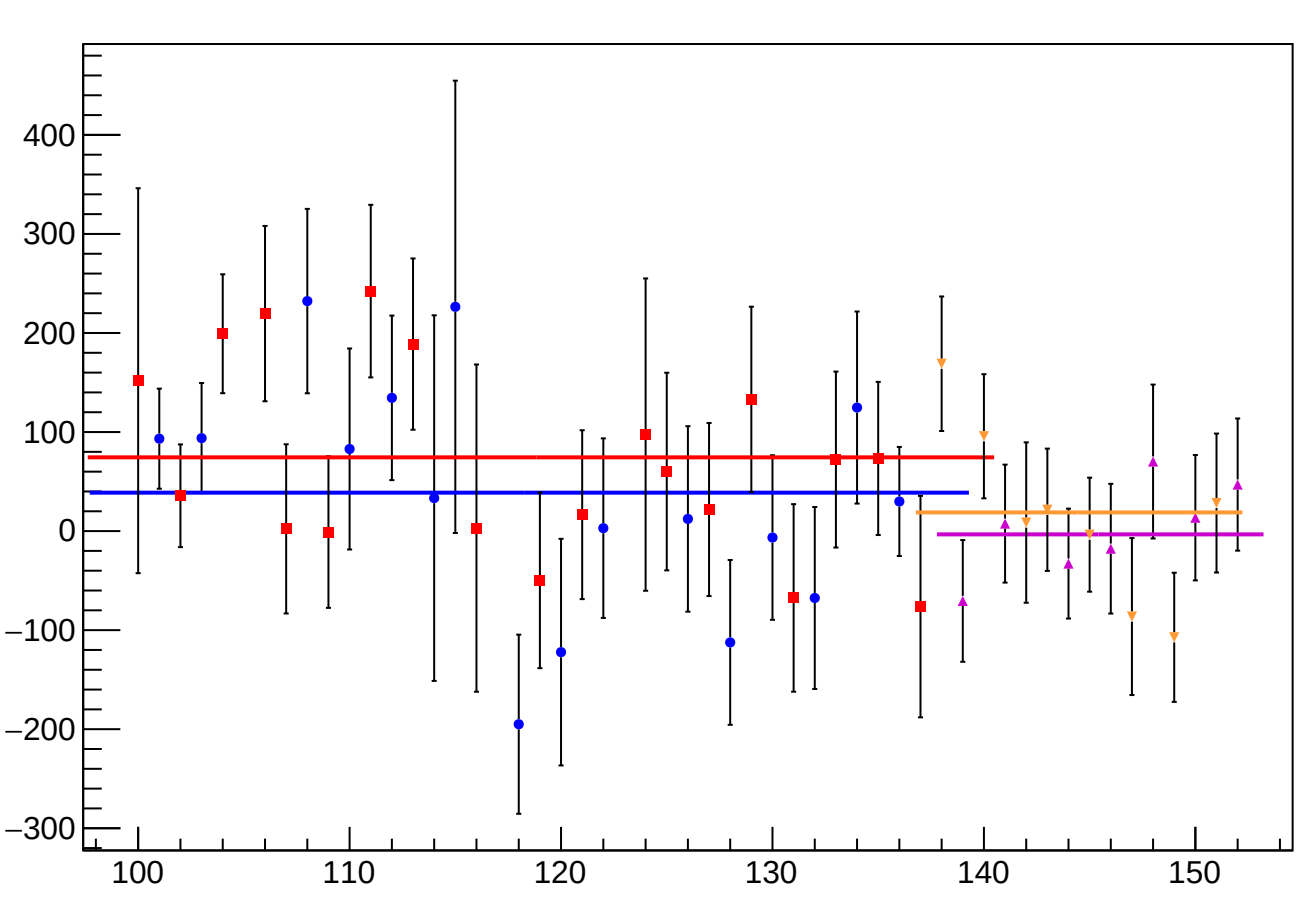
Left: 314.328+/-0.064 χ^2/NDF: 271227.8/14

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 114.758+/-0.031 χ^2/NDF:12254061.3/22

Out: 135.975+/-0.033 χ^2/NDF:9979908.6/26

All: 124.658+/-0.023 χ^2/NDF: 22453572.5/49



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: -3.312+/-23.941 χ^2/NDF:3.1/6

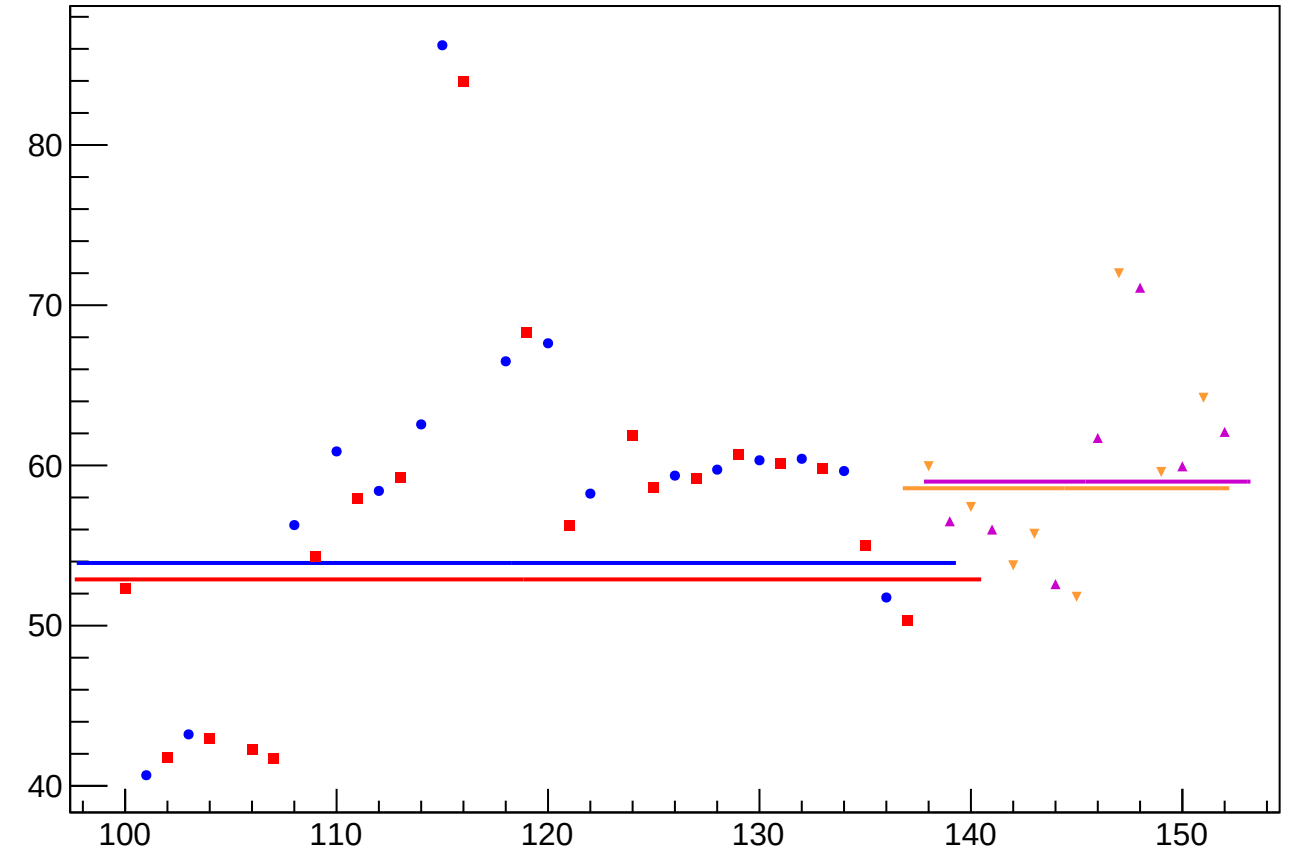
Left: 7.901+/-16.829 χ^2/NDF: 15.6/14

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 21.069+/-15.533 χ^2/NDF:28.2/22

Out: 51.543+/-15.186 χ^2/NDF:37.7/26

All: 36.650+/-10.859 χ^2/NDF: 67.8/49



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: 58.991+/-0.017 χ^2/NDF:91645.4/6

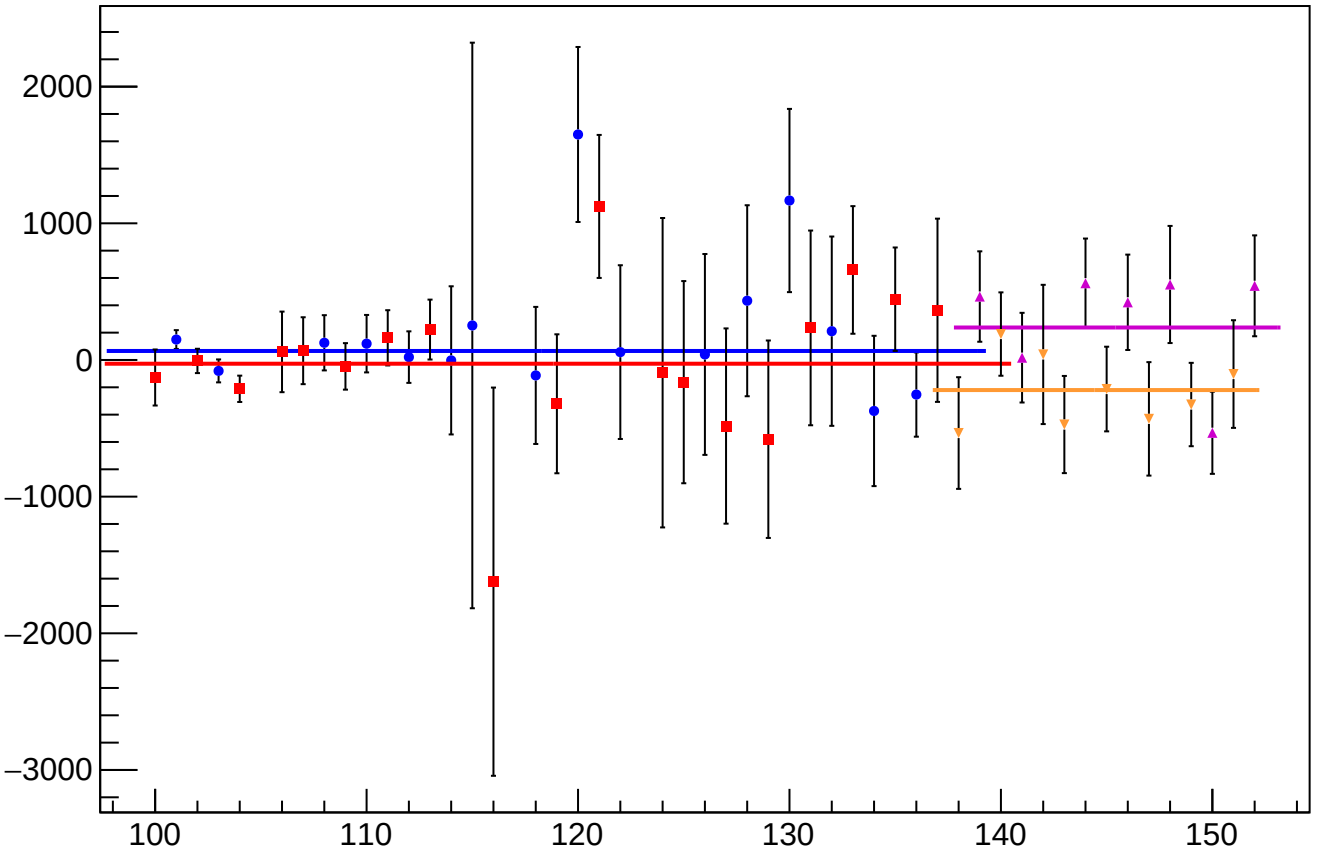
Left: 58.781+/-0.012 χ^2/NDF: 203259.4/14

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 56.050+/-0.011 χ^2/NDF:537013.6/22

Out: 55.230+/-0.011 χ^2/NDF:604833.1/26

All: 55.631+/-0.008 χ^2/NDF: 1144695.9/49



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: 237.599+/-129.250 χ^2/NDF:10.0/6

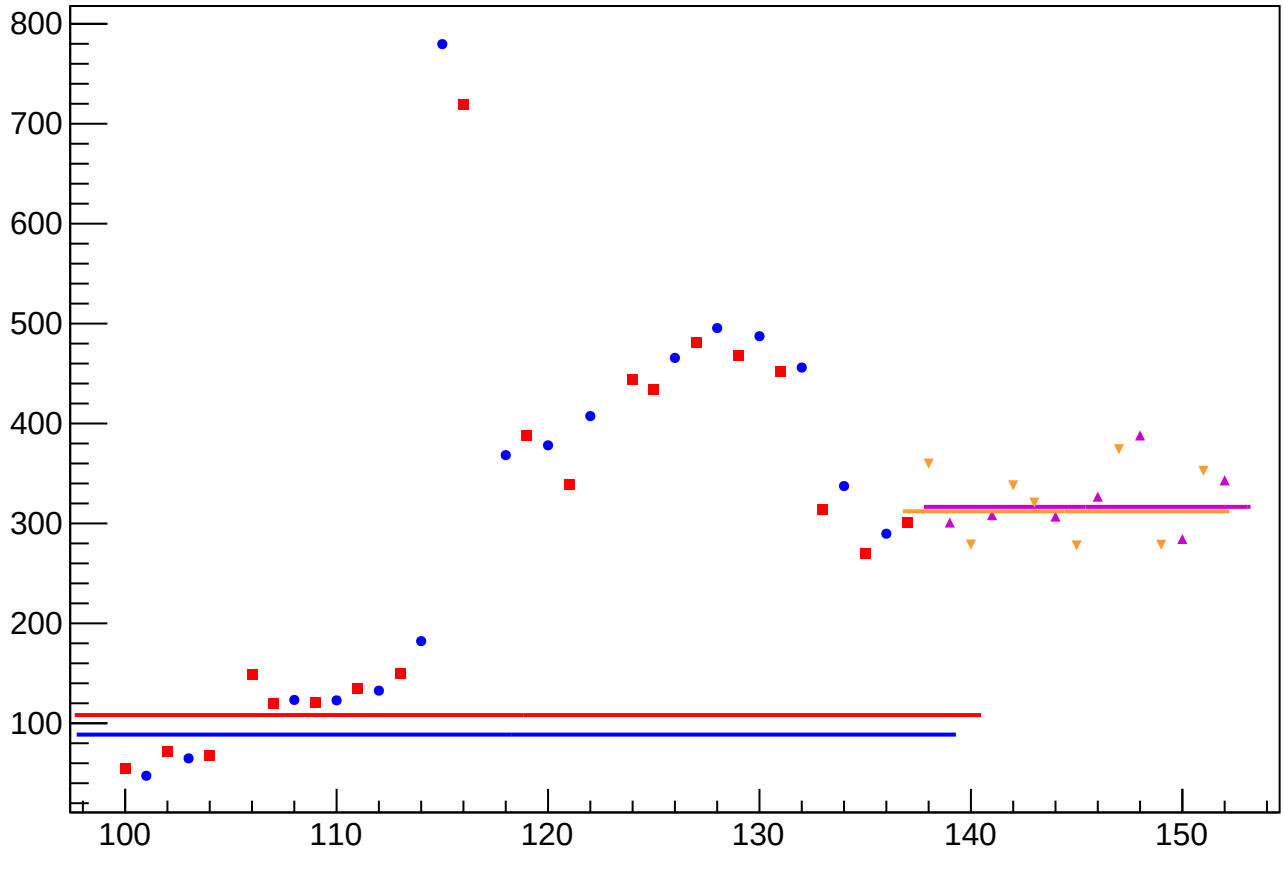
Left: 4.862+/-90.617 χ^2/NDF: 20.0/14

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 85.522+/-43.736 χ^2/NDF:27.2/22

Out: -53.463+/-46.728 χ^2/NDF:23.6/26

All: 20.622+/-31.931 χ^2/NDF: 55.6/49



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: 316.595+/-0.091 χ^2/NDF:98103.7/6

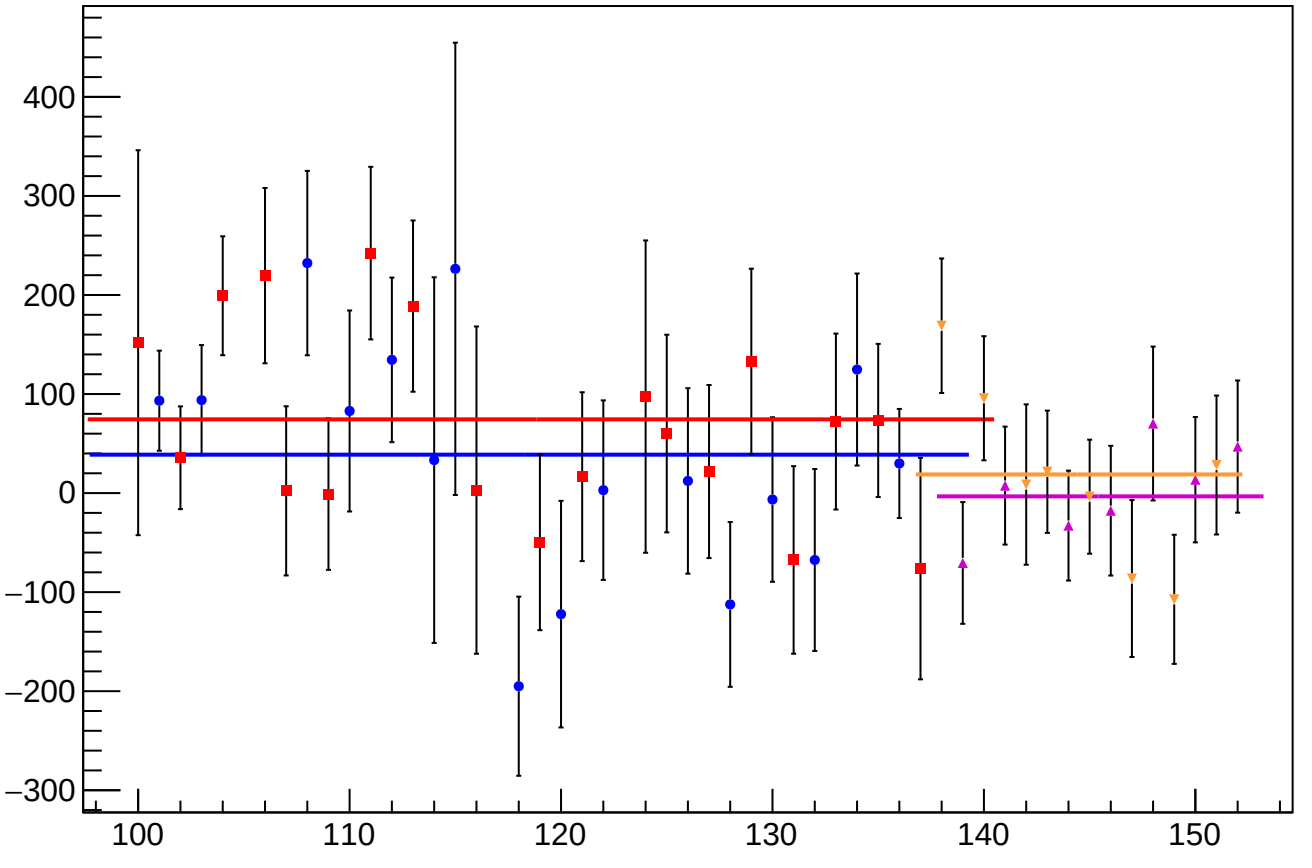
Left: 314.328+/-0.064 χ^2/NDF: 271228.6/14

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 114.755+/-0.031 χ^2/NDF:12254286.9/22

Out: 135.780+/-0.033 χ^2/NDF:9980752.0/26

All: 124.572+/-0.023 χ^2/NDF: 22450863.4/49



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: -3.312+/-23.941 χ^2/NDF:3.1/6

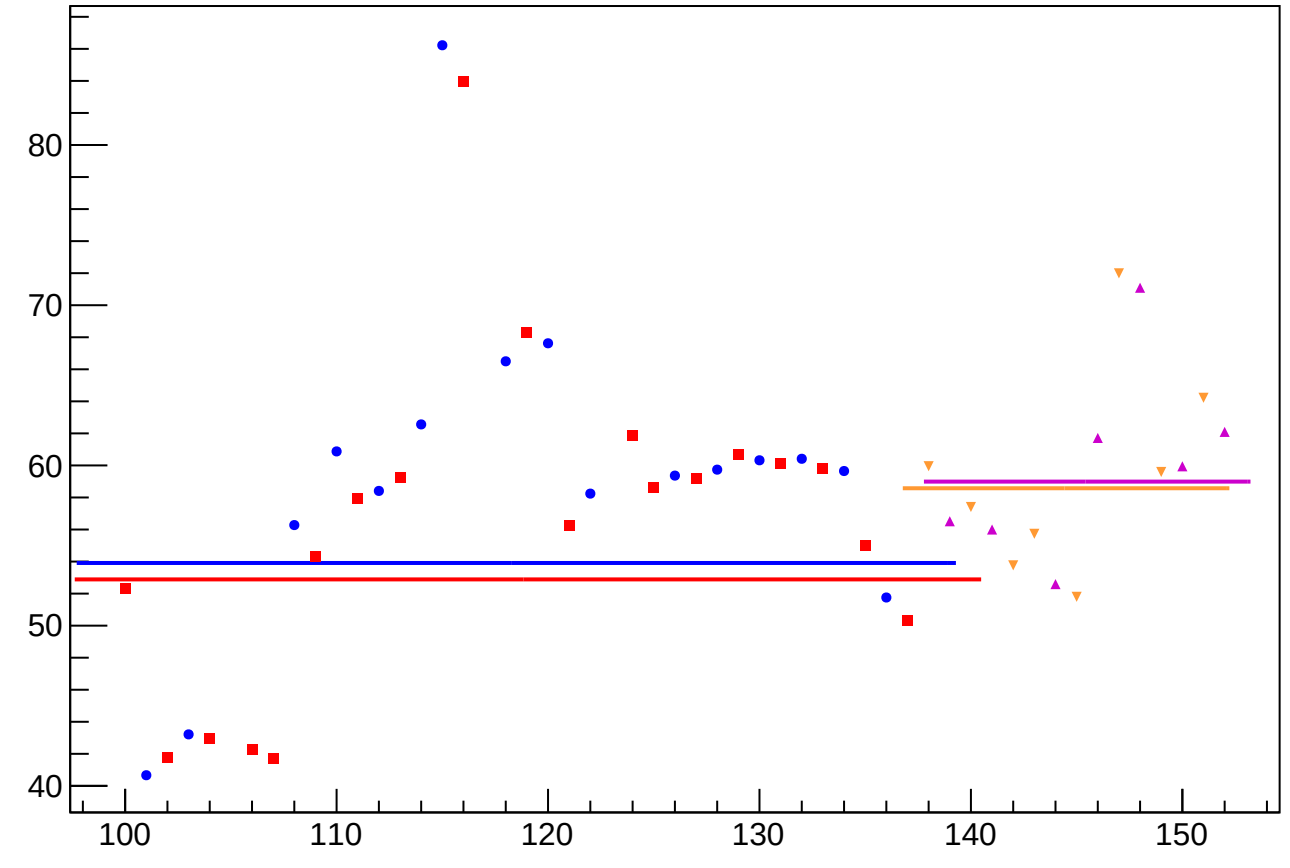
Left: 7.901+/-16.829 χ^2/NDF: 15.6/14

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 21.069+/-15.533 χ^2/NDF:28.2/22

Out: 51.543+/-15.186 χ^2/NDF:37.7/26

All: 36.650+/-10.859 χ^2/NDF: 67.8/49



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: 58.991+/-0.017 χ^2/NDF:91645.4/6

Left: 58.781+/-0.012 χ^2/NDF: 203259.4/14

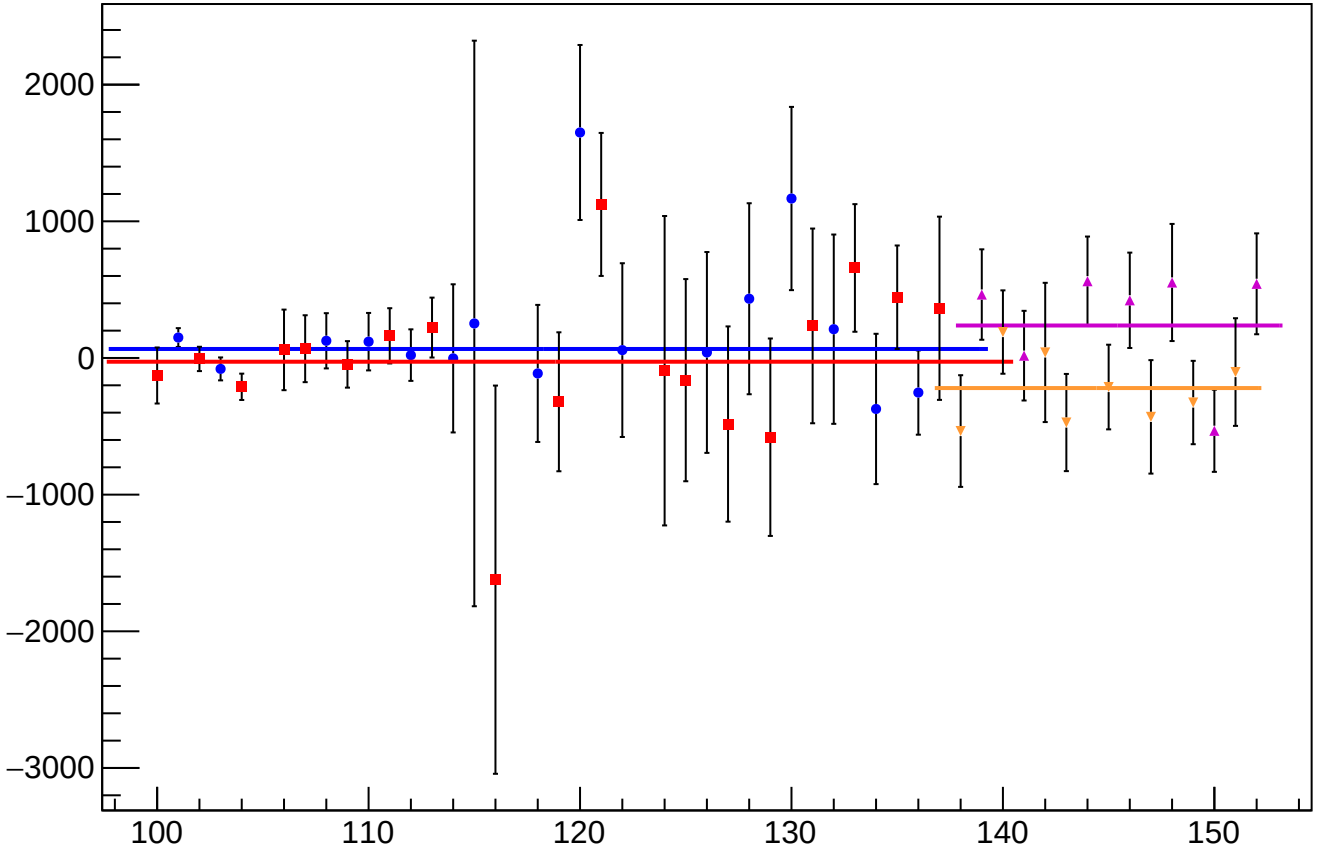
Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 56.050+/-0.011 χ^2/NDF:537013.6/22

Out: 55.230+/-0.011 χ^2/NDF:604833.1/26

All: 55.631+/-0.008 χ^2/NDF: 1144695.9/49

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: 237.599+/-129.250 χ^2/NDF:10.0/6

Left: 4.862+/-90.617 χ^2/NDF: 20.0/14

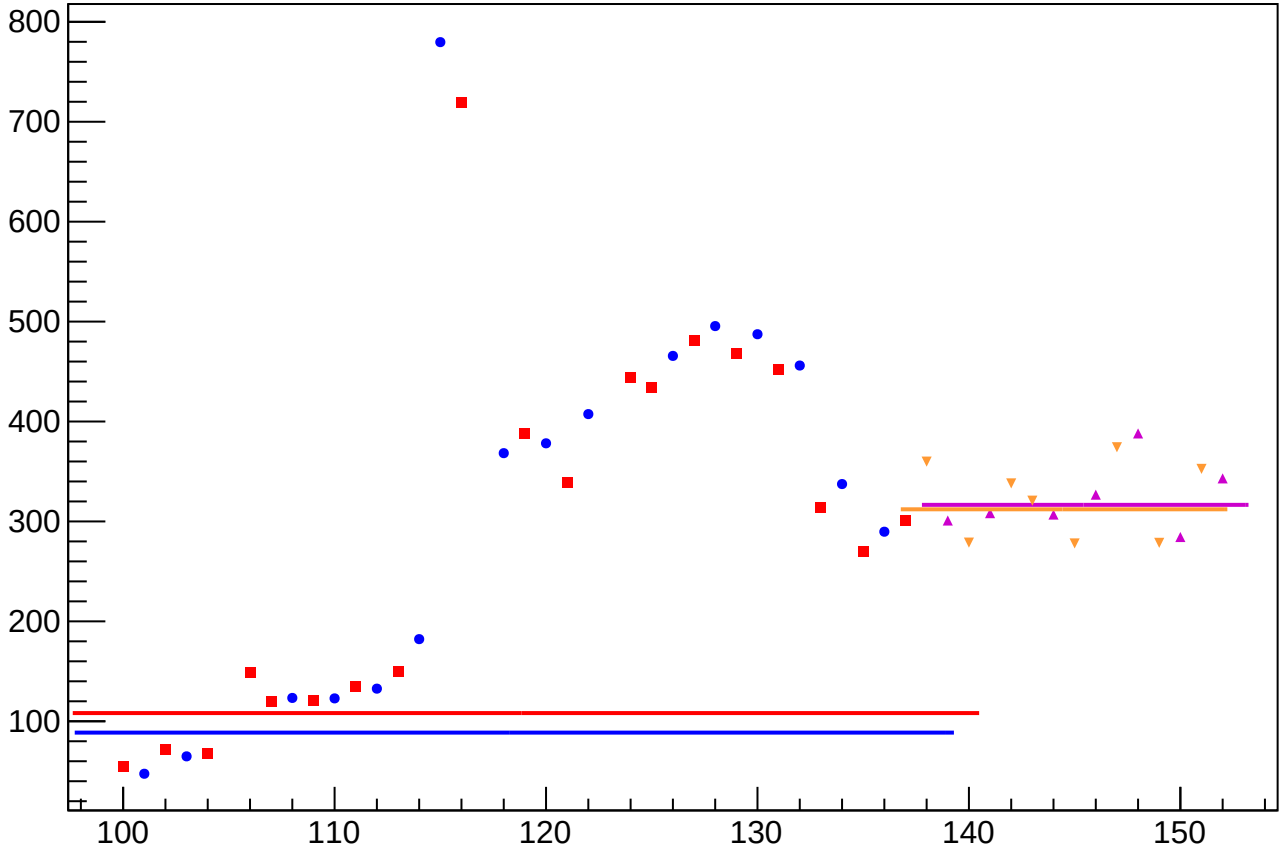
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 85.522+/-43.736 χ^2/NDF:27.2/22

Out: -53.463+/-46.728 χ^2/NDF:23.6/26

All: 20.622+/-31.931 χ^2/NDF: 55.6/49

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: 316.595+/-0.091 χ^2/NDF:98103.7/6

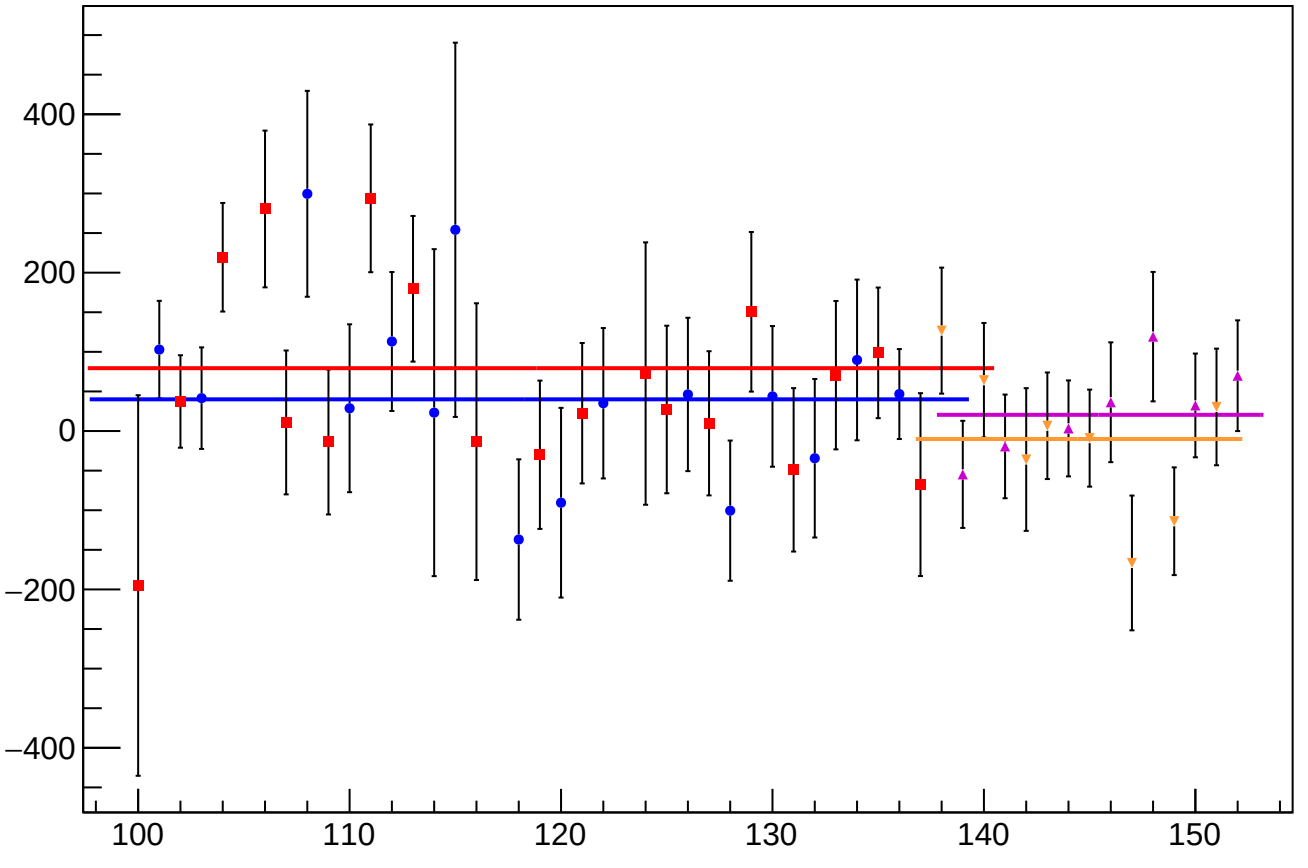
Left: 314.328+/-0.064 χ^2/NDF: 271228.6/14

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 114.755+/-0.031 χ^2/NDF:12254286.9/22

Out: 135.780+/-0.033 χ^2/NDF:9980752.0/26

All: 124.572+/-0.023 χ^2/NDF: 22450863.4/49



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: 20.480+/-25.937 χ^2/NDF:3.7/6

Left: 5.148+/-18.304 χ^2/NDF: 14.6/14

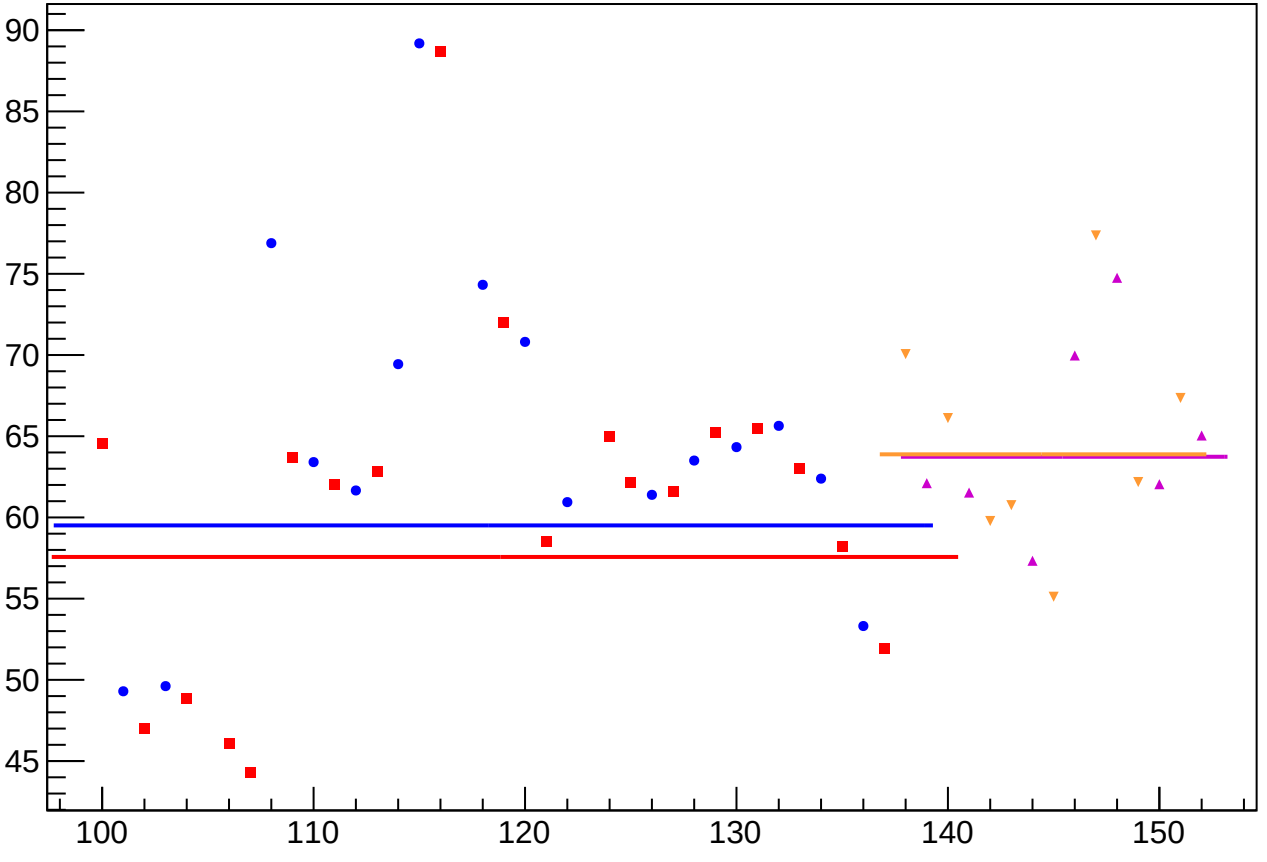
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 31.629+/-17.002 χ^2/NDF:18.2/22

Out: 42.626+/-16.561 χ^2/NDF:42.0/26

All: 37.272+/-11.863 χ^2/NDF: 60.4/49

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



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: 63.736+/-0.018 χ^2/NDF:77755.3/6

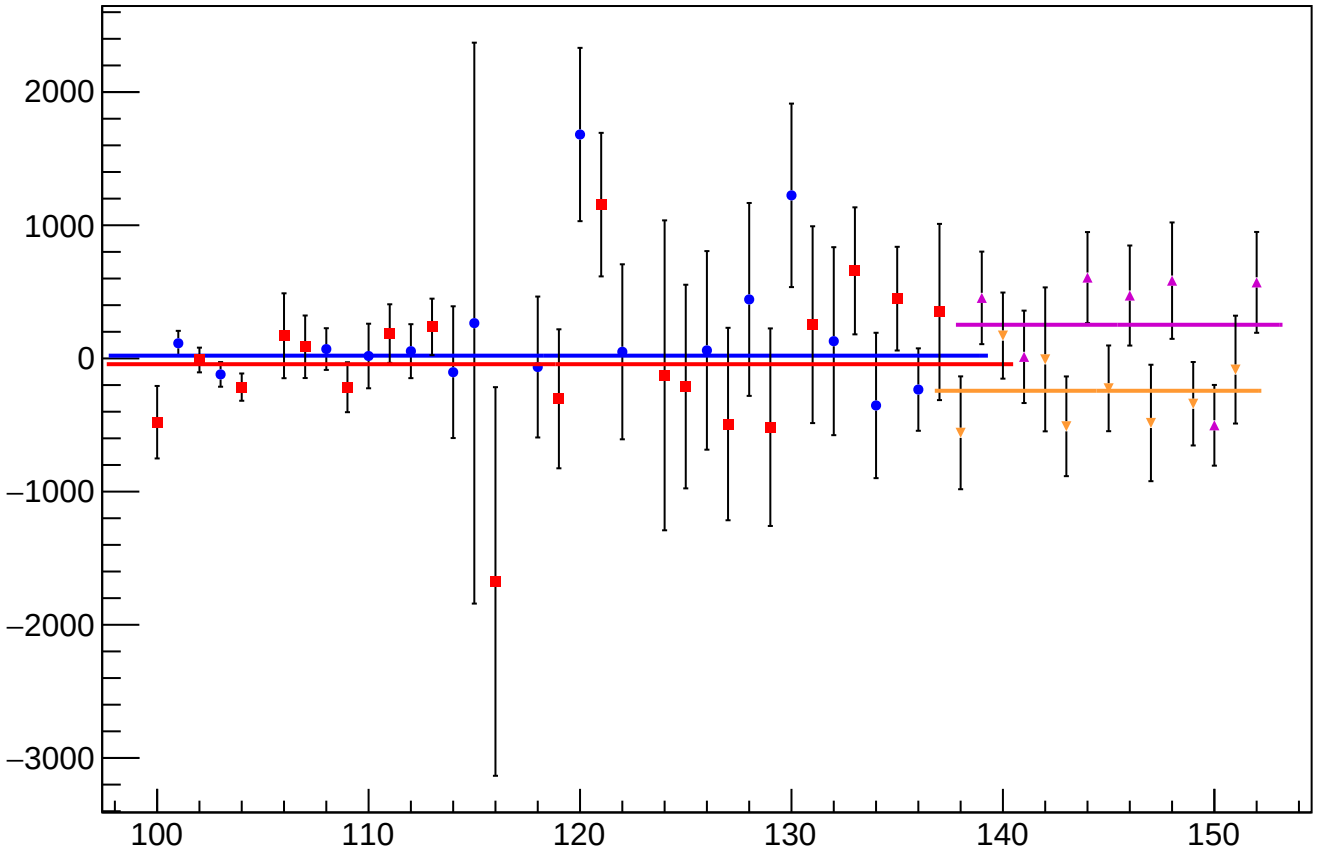
Left: 63.811+/-0.013 χ^2/NDF: 197053.2/14

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 61.325+/-0.012 χ^2/NDF:391241.7/22

Out: 60.163+/-0.012 χ^2/NDF:537117.8/26

All: 60.729+/-0.008 χ^2/NDF: 933152.9/49



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: 252.778+/-134.425 χ^2/NDF:9.7/6

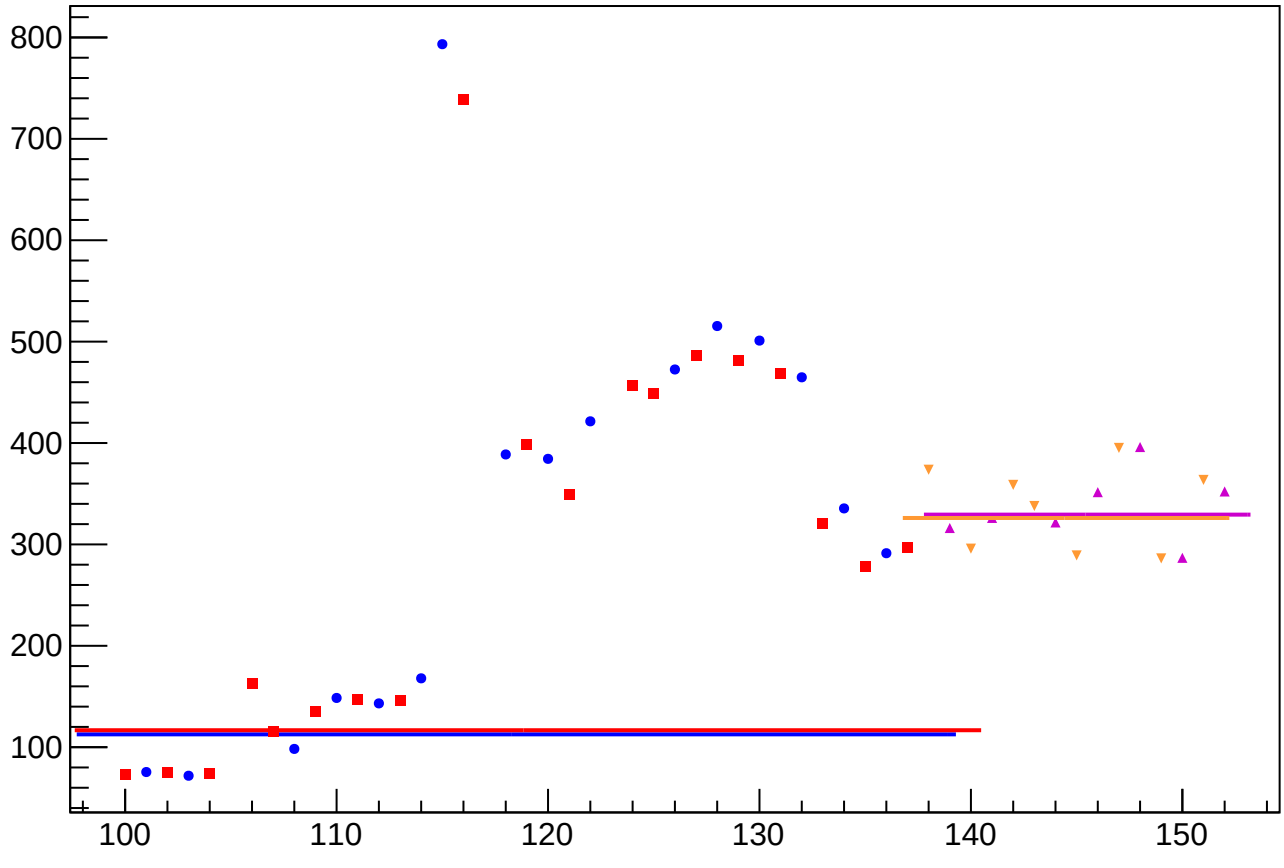
Left: 1.587+/-94.405 χ^2/NDF: 20.1/14

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 52.642+/-49.776 χ^2/NDF:26.9/22

Out: -70.942+/-49.383 χ^2/NDF:26.9/26

All: -9.640+/-35.057 χ^2/NDF: 56.9/49



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: 329.373+/-0.095 χ^2/NDF:104348.7/6

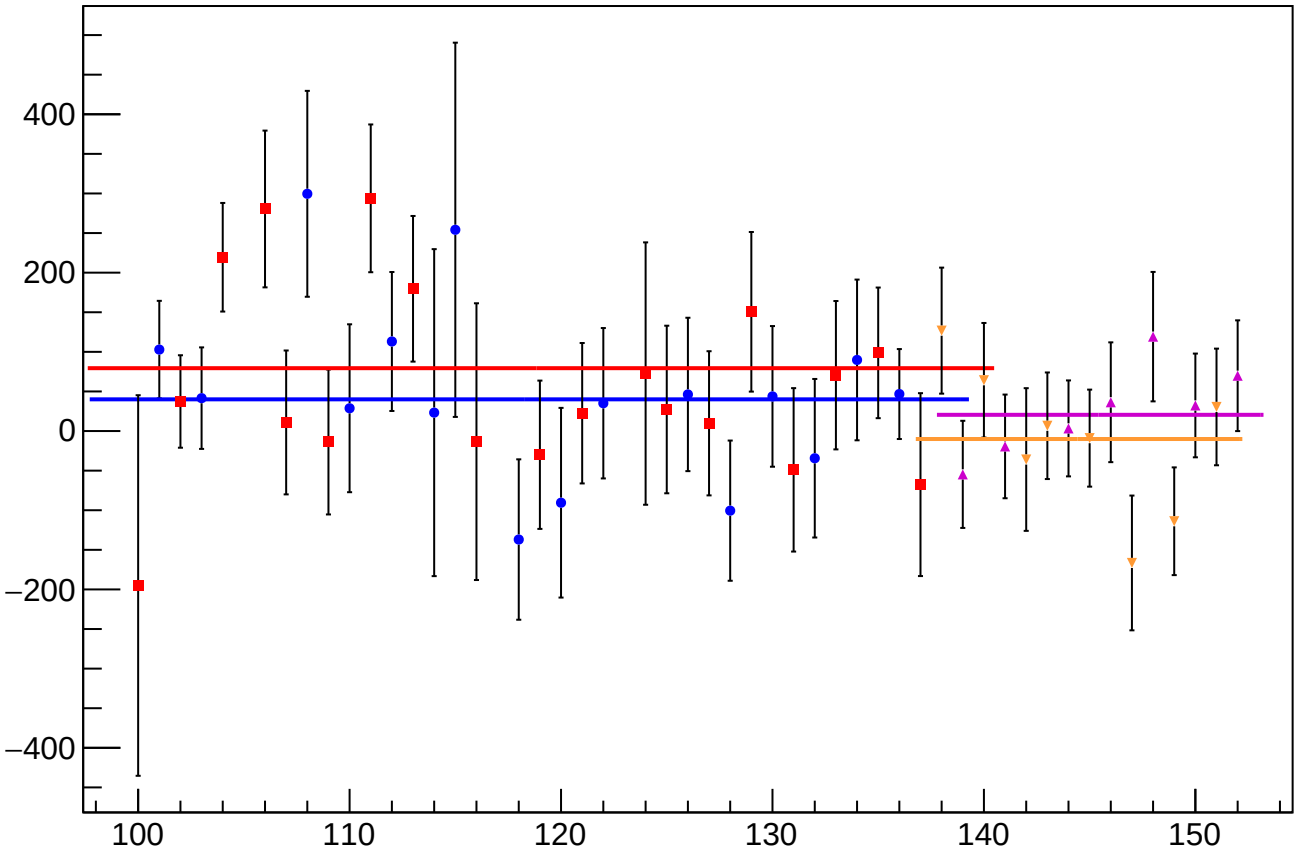
Left: 327.698+/-0.067 χ^2/NDF: 282856.6/14

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 142.381+/-0.035 χ^2/NDF:10188982.7/22

Out: 145.762+/-0.035 χ^2/NDF:9611899.4/26

All: 144.085+/-0.025 χ^2/NDF: 19805532.4/49



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: 20.481+/-25.937 χ^2/NDF:3.7/6

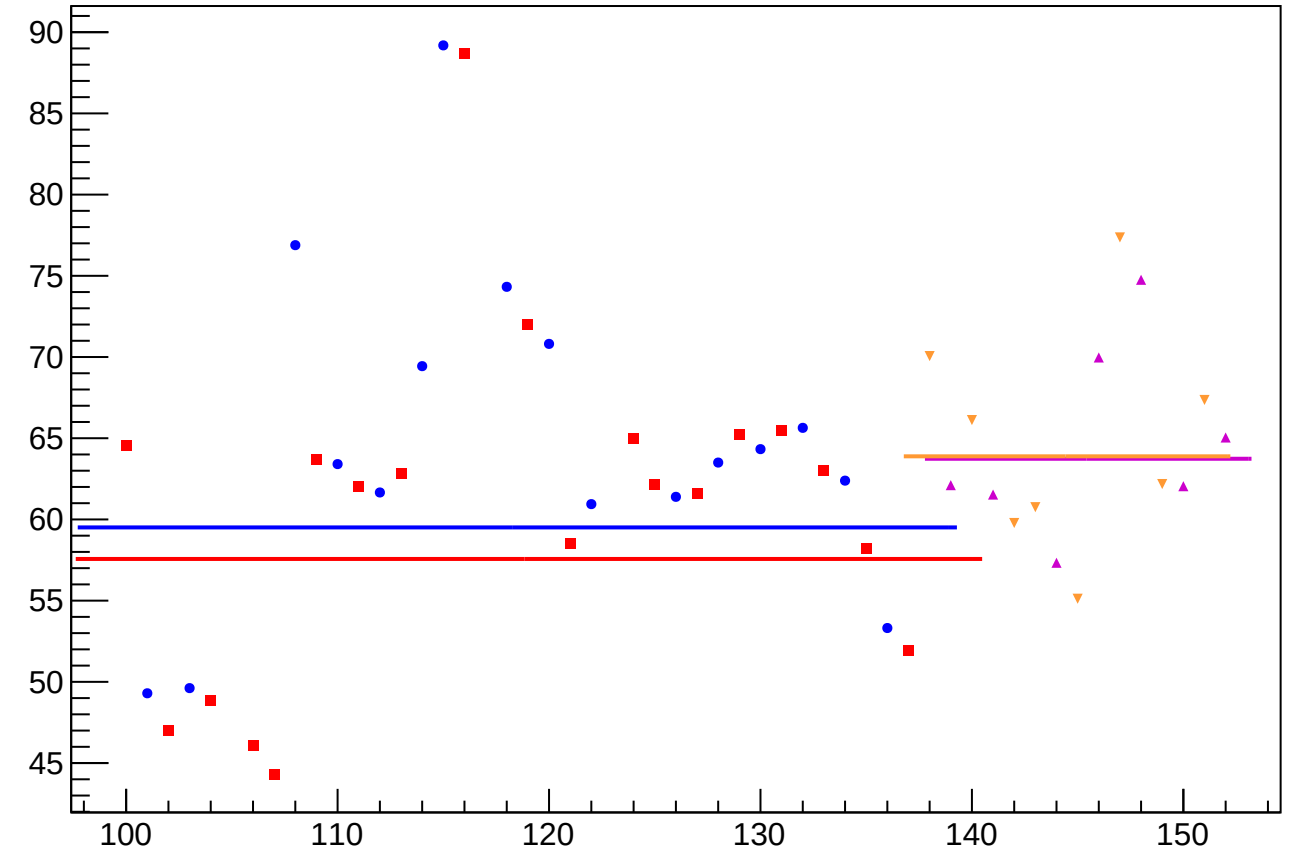
Left: 5.149+/-18.304 χ^2/NDF: 14.6/14

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 31.629+/-17.002 χ^2/NDF:18.2/22

Out: 42.626+/-16.561 χ^2/NDF:42.0/26

All: 37.272+/-11.863 χ^2/NDF: 60.4/49



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: 63.736+/-0.018 χ^2/NDF:77755.4/6

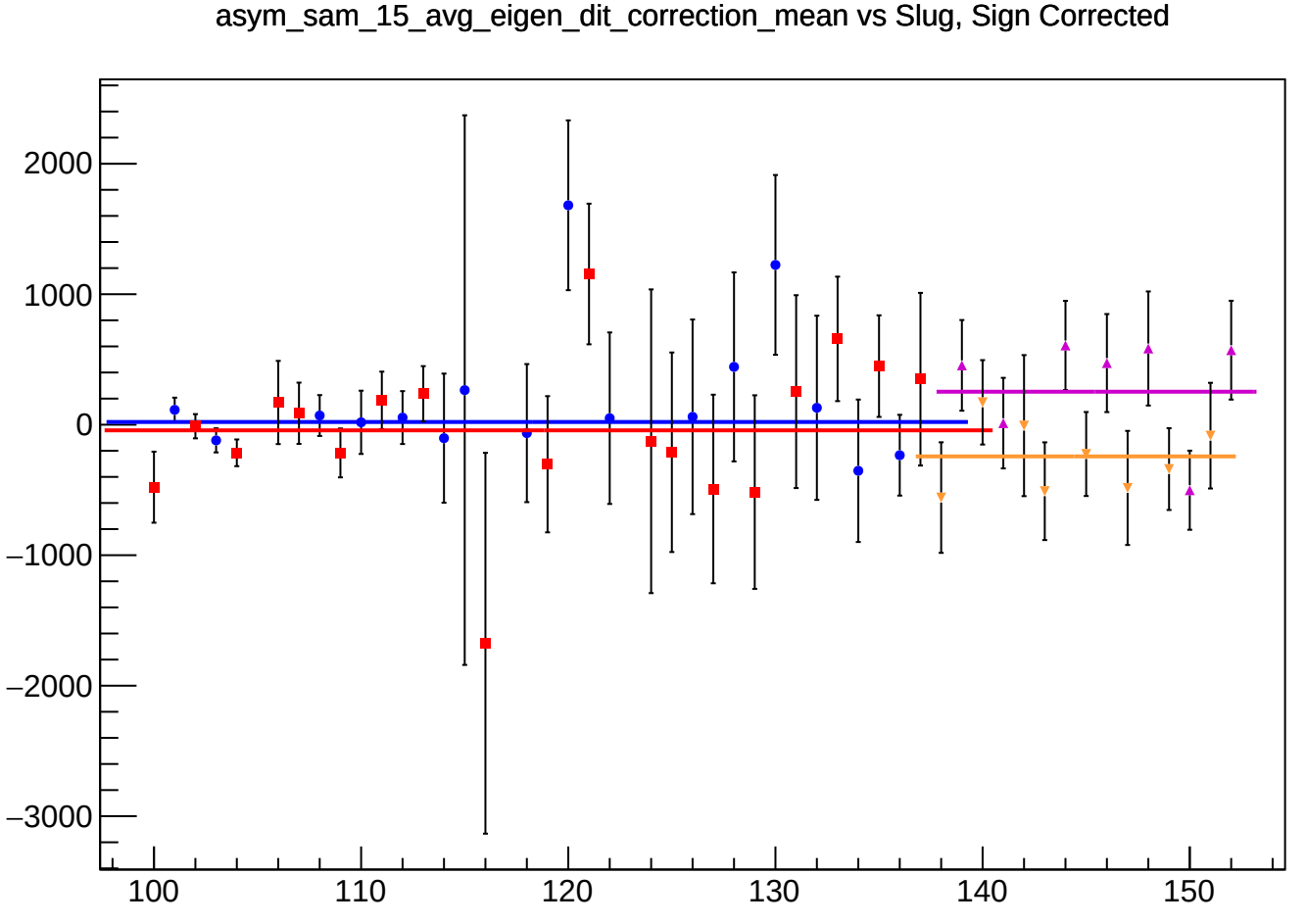
Left: 63.811+/-0.013 χ^2/NDF: 197056.8/14

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 61.325+/-0.012 χ^2/NDF:391244.0/22

Out: 60.163+/-0.012 χ^2/NDF:537123.2/26

All: 60.729+/-0.008 χ^2/NDF: 933160.8/49



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: 252.779+/-134.426 χ^2/NDF:9.7/6

Left: 1.588+/-94.405 χ^2/NDF: 20.1/14

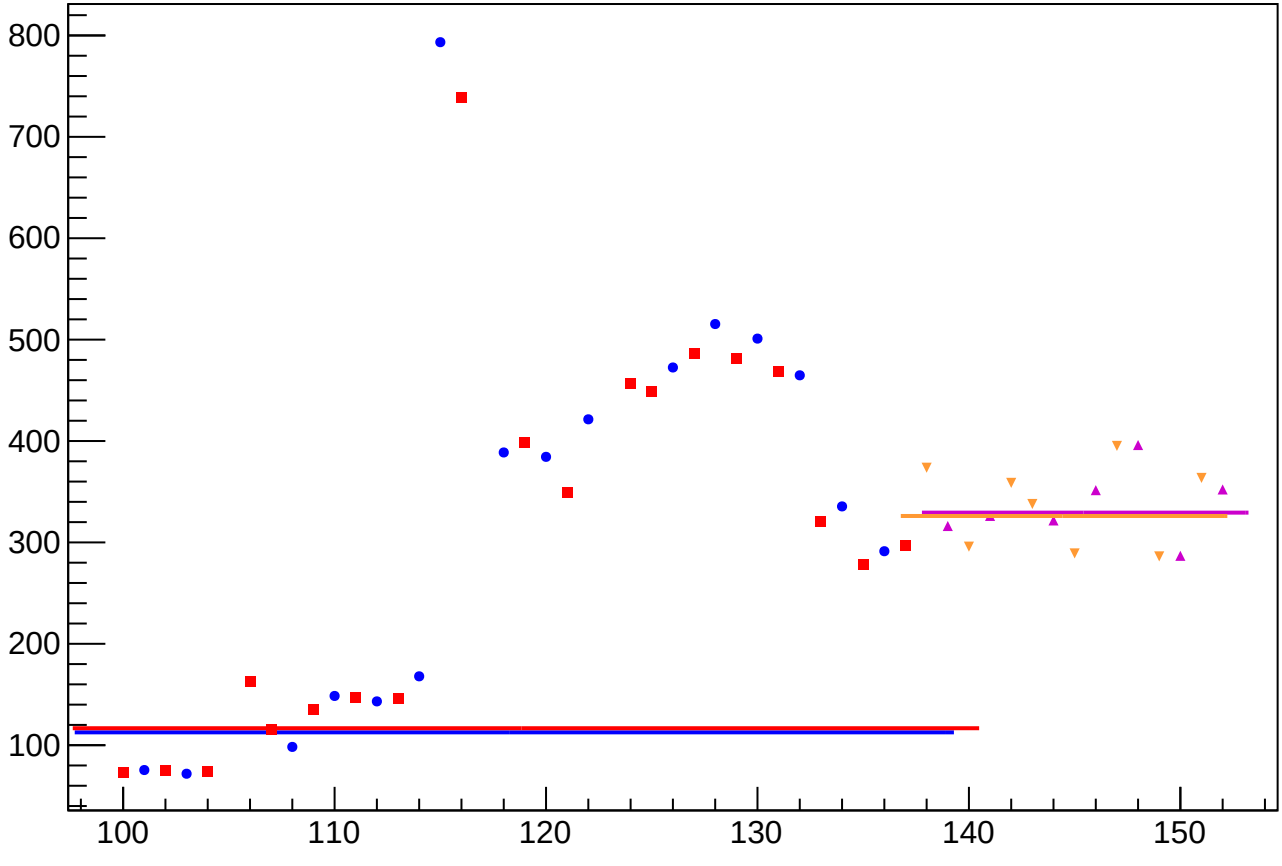
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 52.642+/-49.776 χ^2/NDF:26.9/22

Out: -70.942+/-49.383 χ^2/NDF:26.9/26

All: -9.640+/-35.057 χ^2/NDF: 56.9/49

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: 329.374+/-0.095 χ^2/NDF:104348.2/6

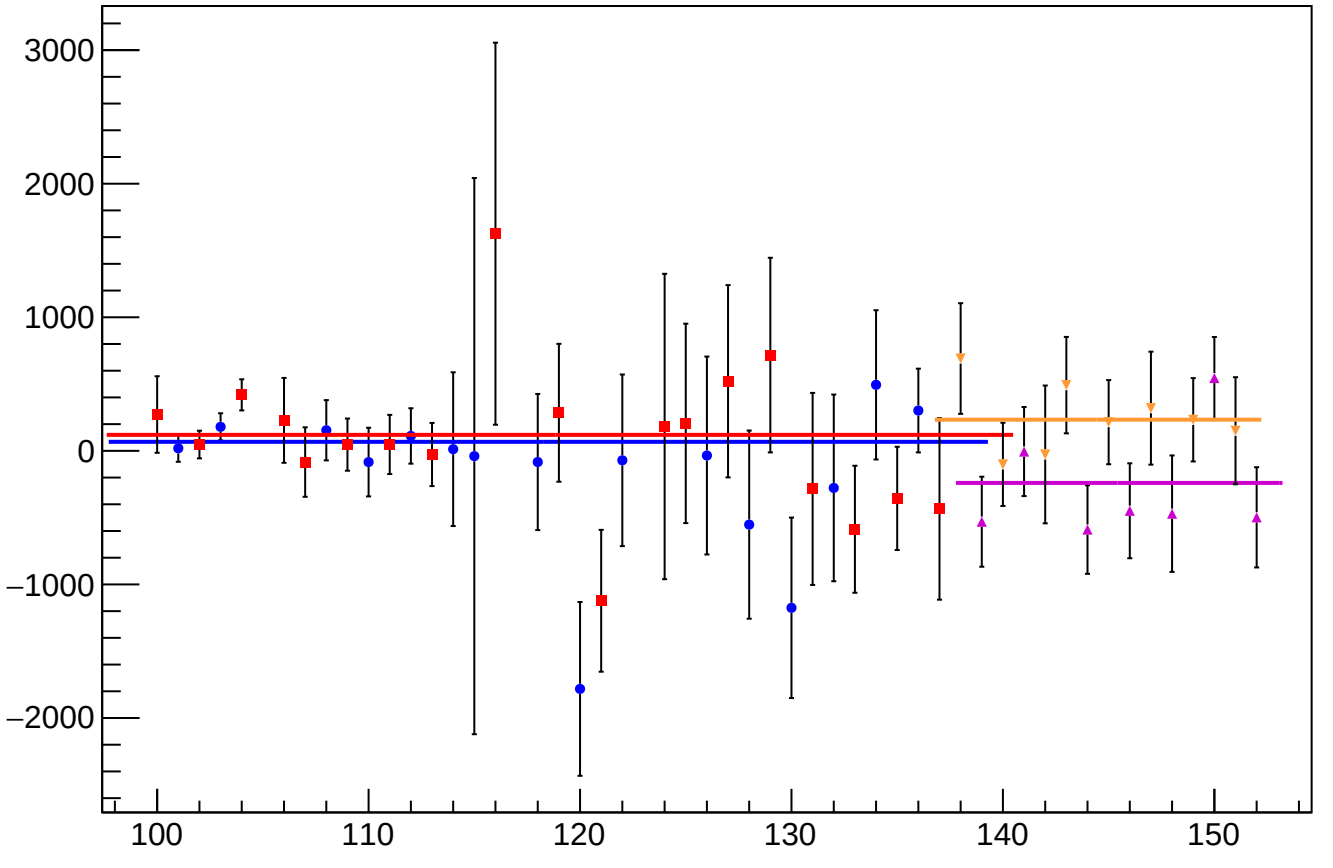
Left: 327.699+/-0.067 χ^2/NDF: 282856.5/14

Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 142.381+/-0.035 χ^2/NDF:10189010.7/22

Out: 145.762+/-0.035 χ^2/NDF:9611937.3/26

All: 144.085+/-0.025 χ^2/NDF: 19805598.0/49



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: -240.000+/-131.567 χ^2/NDF:10.0/6

Left: 0.638+/-92.256 χ^2/NDF: 19.8/14

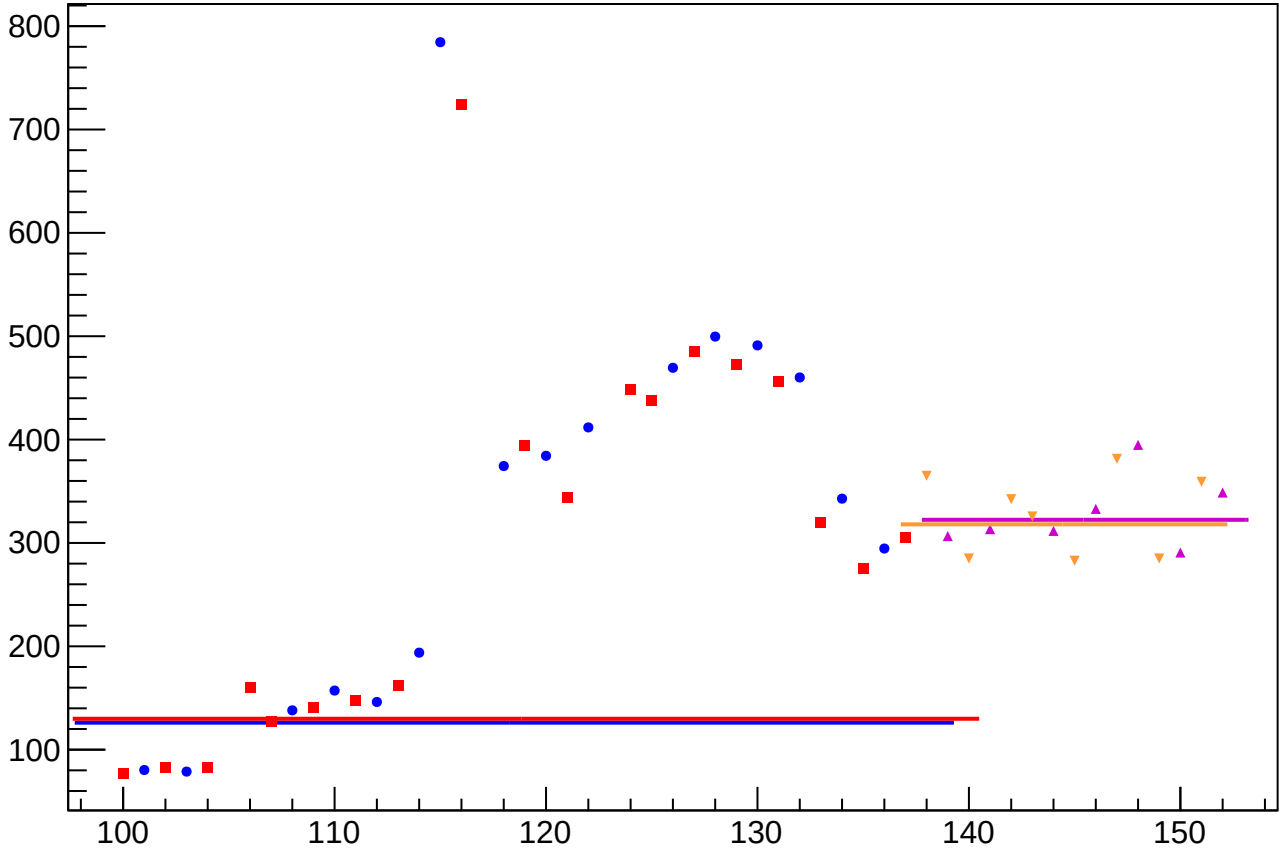
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 15.871+/-53.963 χ^2/NDF:30.3/22

Out: 138.637+/-52.882 χ^2/NDF:25.0/26

All: 78.496+/-37.770 χ^2/NDF: 57.9/49

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: 322.408+/-0.093 χ^2/NDF:96164.3/6

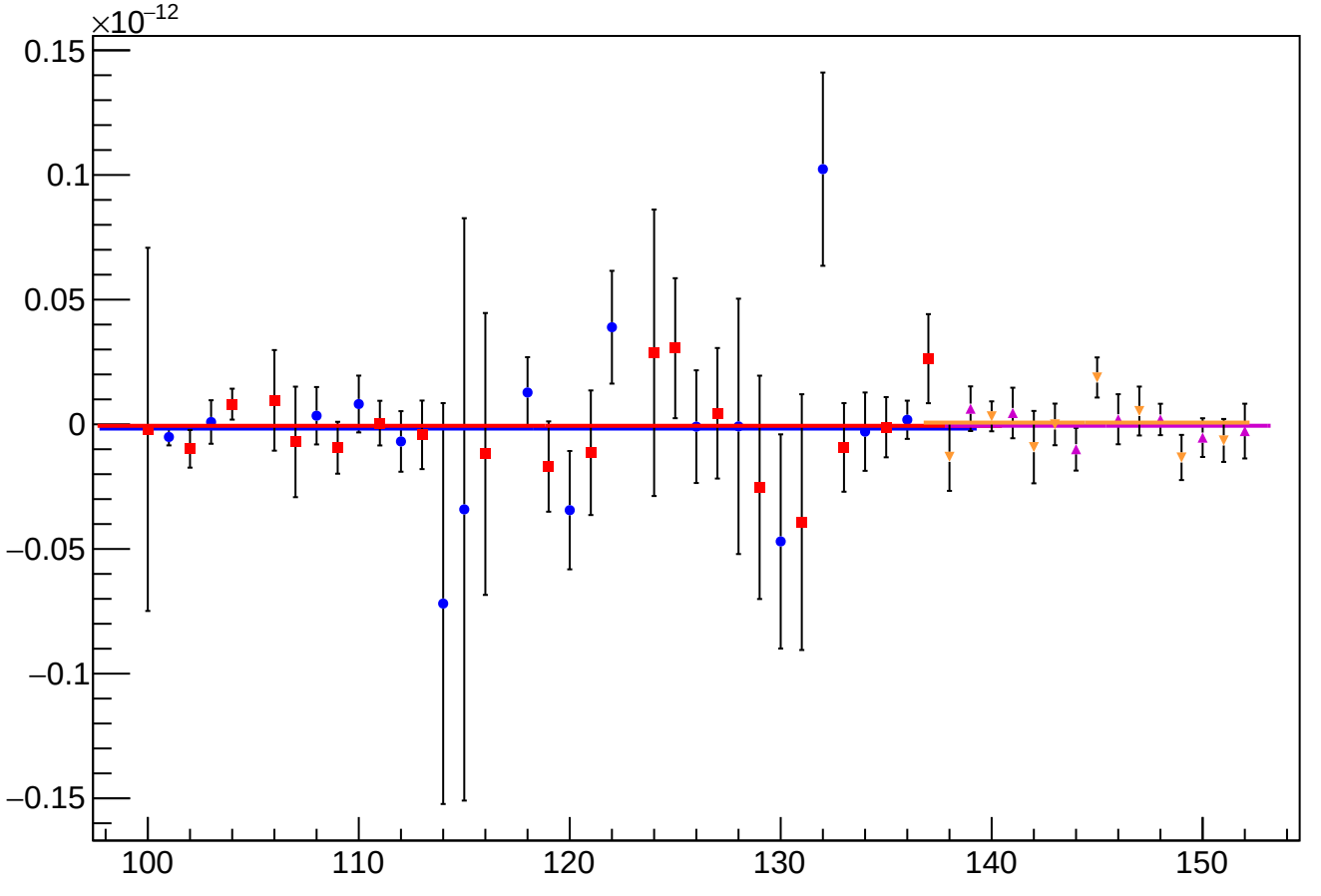
Left: 320.168+/-0.065 χ^2/NDF: 264272.7/14

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 159.169+/-0.038 χ^2/NDF:9017774.1/22

Out: 161.327+/-0.037 χ^2/NDF:8334389.8/26

All: 160.270+/-0.027 χ^2/NDF: 17353794.9/49



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:2.7/6

Left: 0.000+/-0.000 χ^2/NDF: 12.8/14

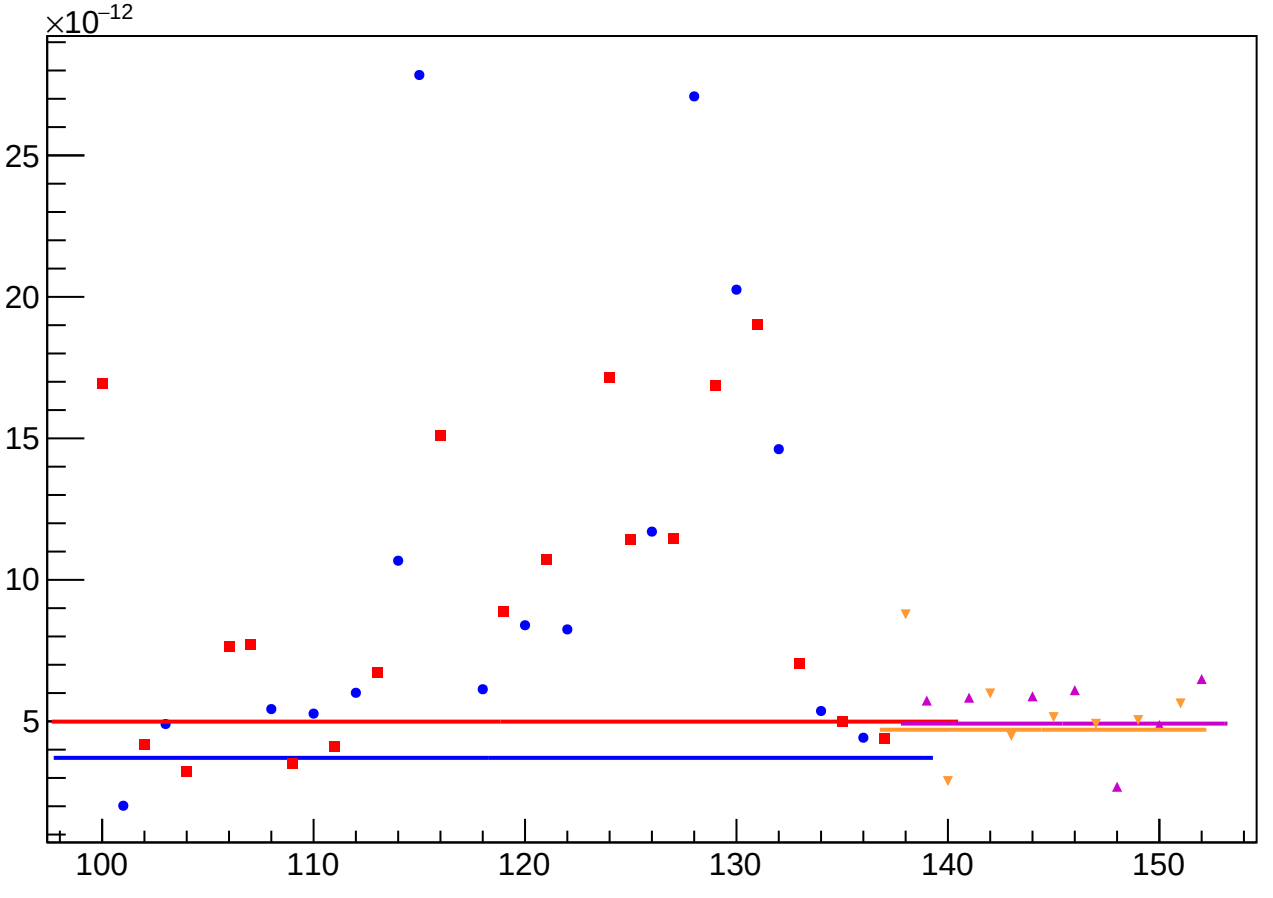
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:20.5/22

Out: 0.000+/-0.000 χ^2/NDF:20.6/26

All: -0.000+/-0.000 χ^2/NDF: 41.4/49

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:411507.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:378304.8/6

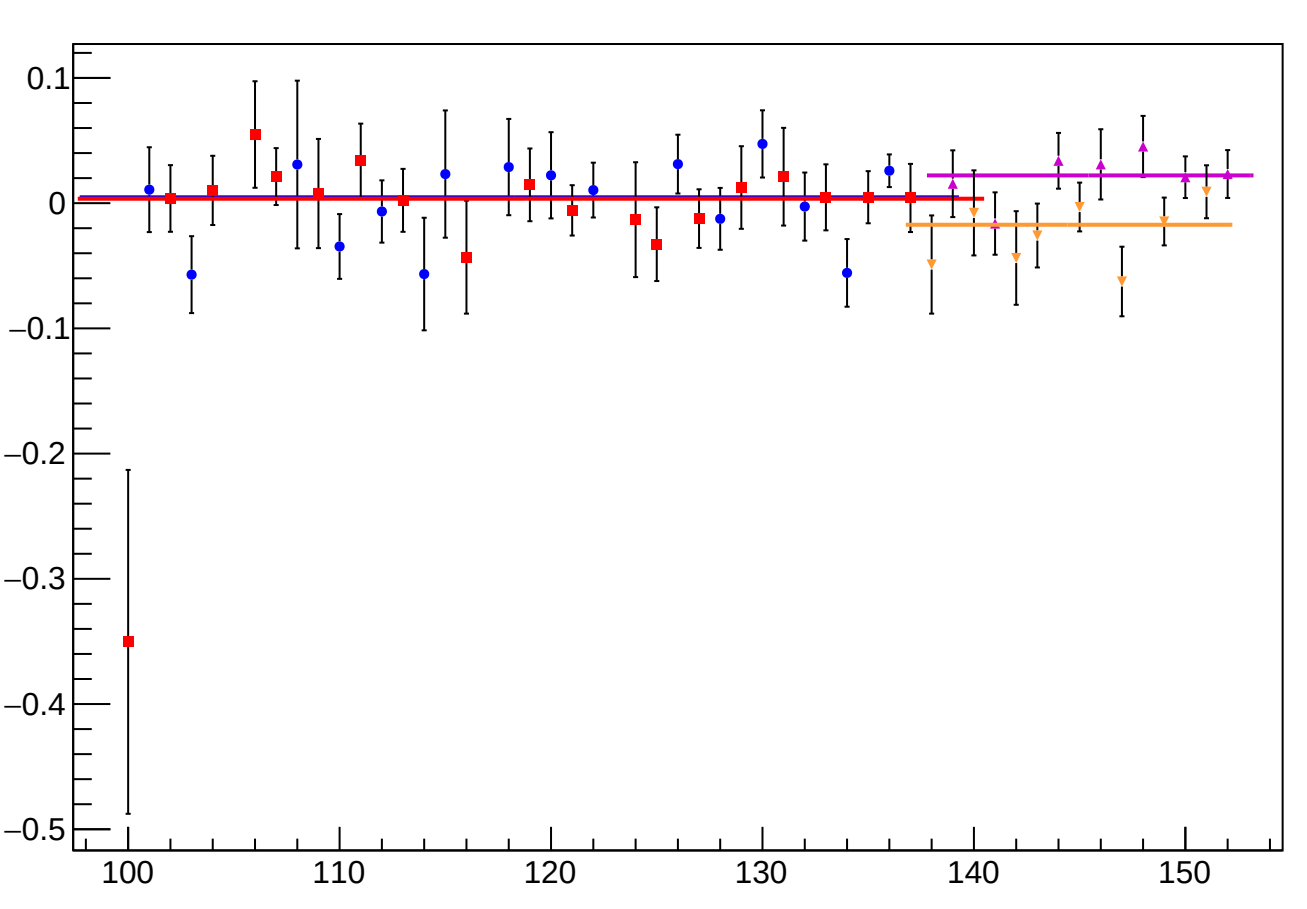
Left: 0.000+/-0.000 χ^2/NDF: 794457.6/14

Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:2724743.0/22

Out: 0.000+/-0.000 χ^2/NDF:1715108.6/26

All: 0.000+/-0.000 χ^2/NDF: 4541008.5/49



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+/-0.008 χ^2/NDF:3.7/6

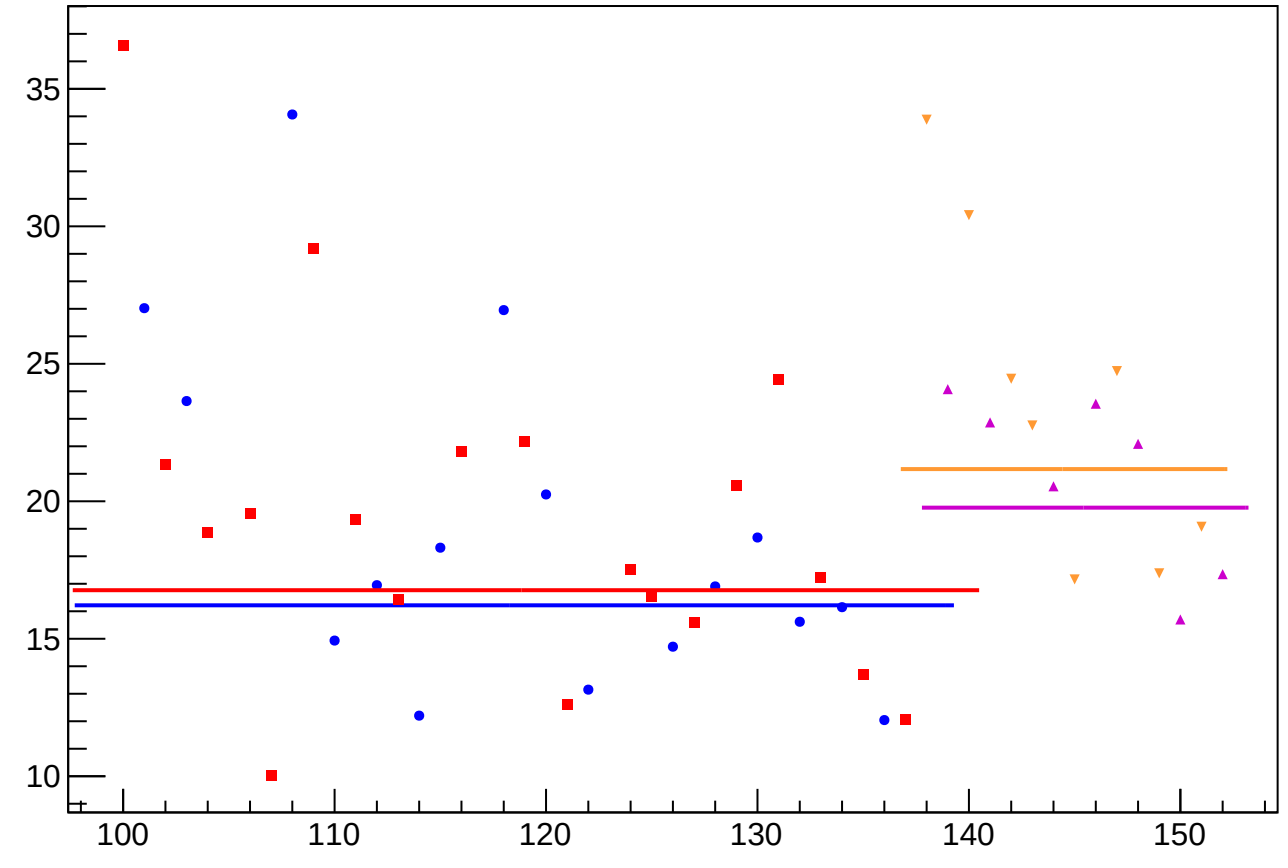
Left: 0.004+/-0.006 χ^2/NDF: 20.3/14

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:27.9/22

Out: -0.004+/-0.005 χ^2/NDF:23.2/26

All: 0.004+/-0.004 χ^2/NDF: 55.4/49



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: 19.768+/-0.006 χ^2/NDF:291596.5/6

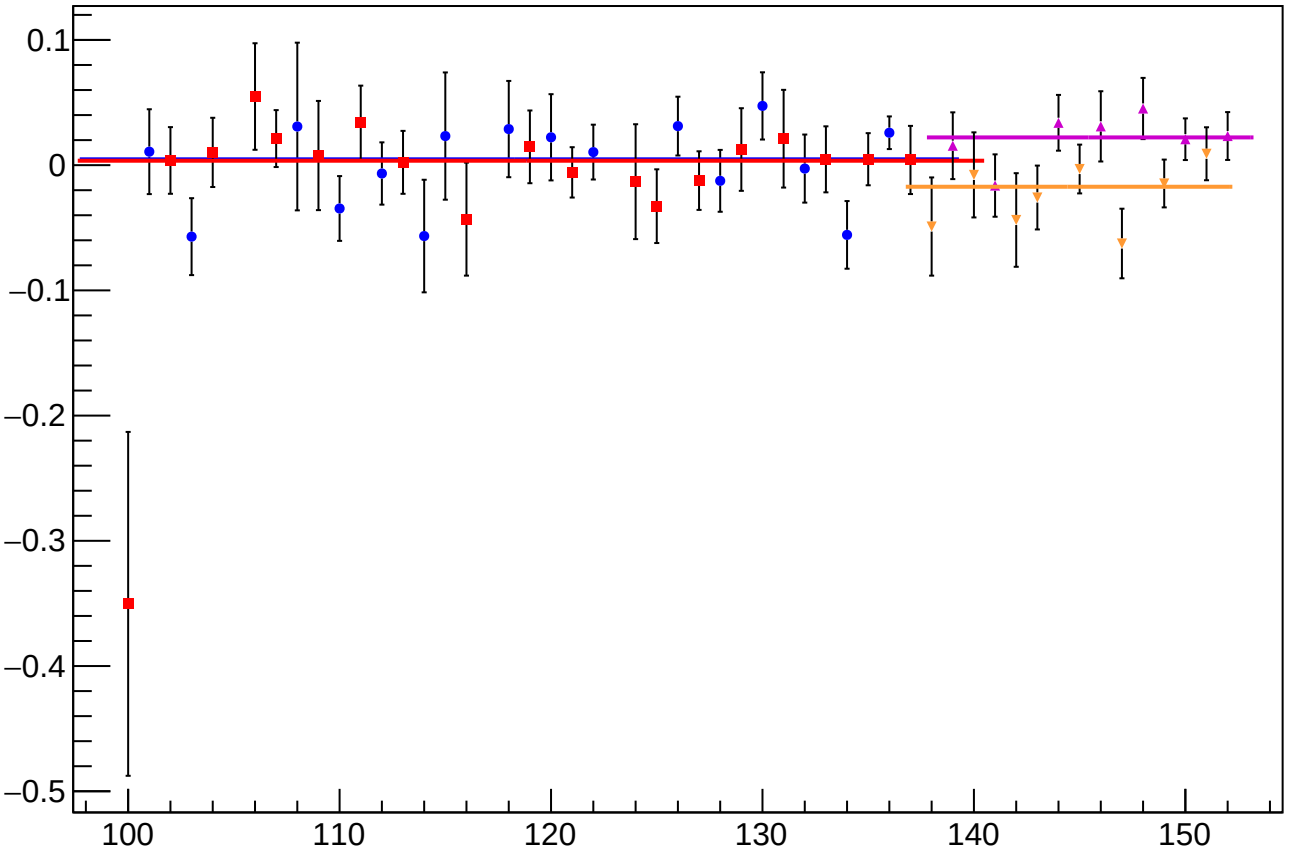
Left: 20.427+/-0.004 χ^2/NDF: 915452.4/14

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.573+/-0.004 χ^2/NDF:1458988.1/22

Out: 18.342+/-0.004 χ^2/NDF:1780202.2/26

All: 17.946+/-0.003 χ^2/NDF: 3260750.4/49



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+/-0.008 χ^2/NDF:3.7/6

Left: 0.004+/-0.006 χ^2/NDF: 20.3/14

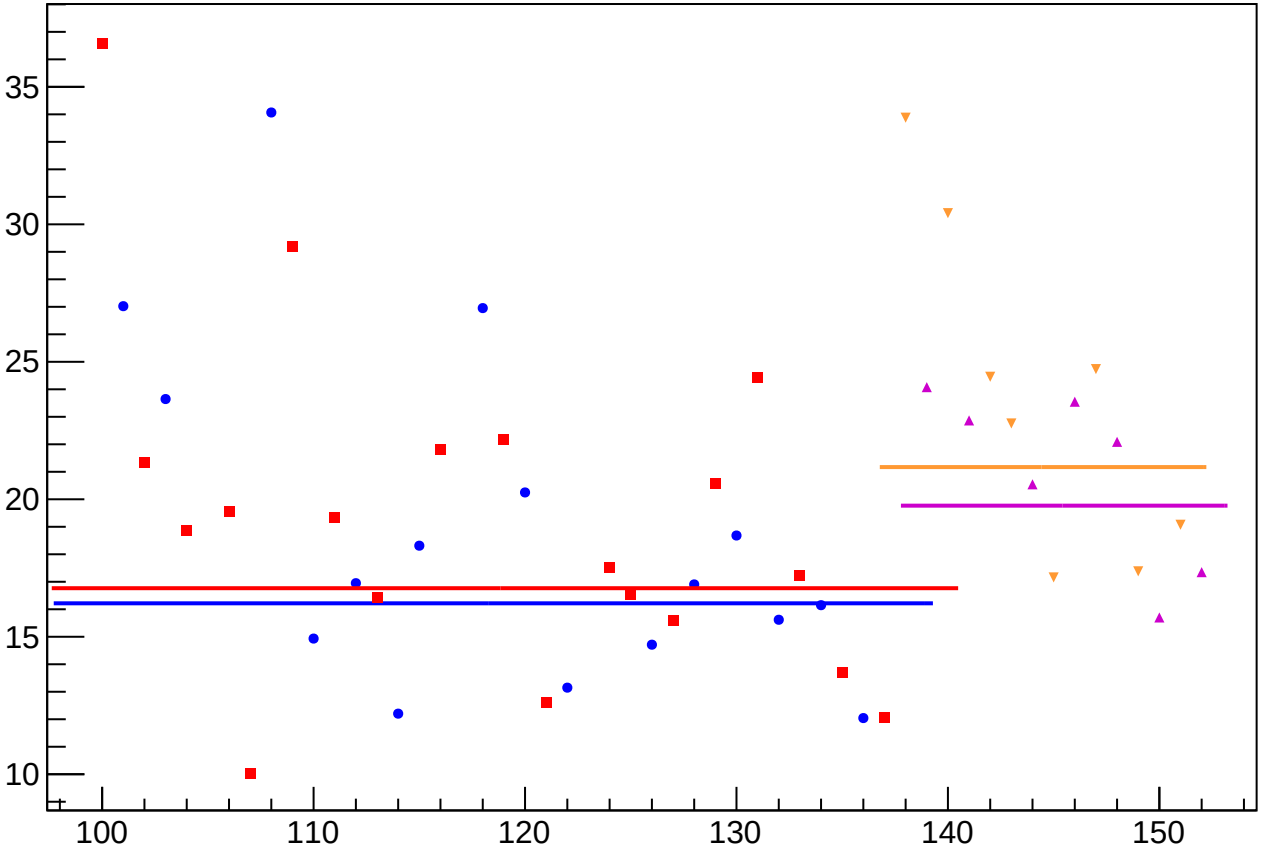
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:27.9/22

Out: -0.004+/-0.005 χ^2/NDF:23.2/26

All: 0.004+/-0.004 χ^2/NDF: 55.4/49

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: 19.768+/-0.006 χ^2/NDF:291596.5/6

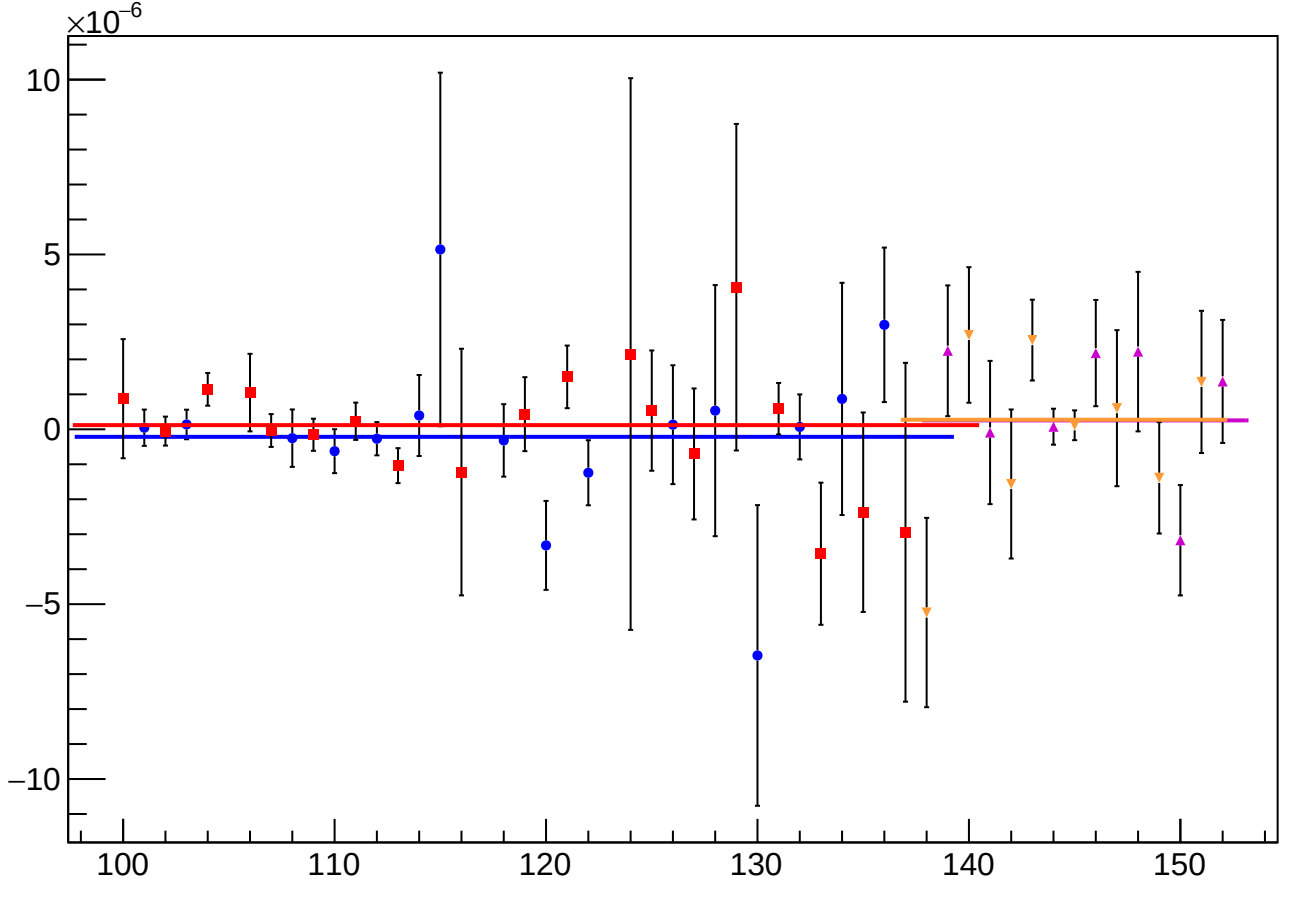
Left: 20.427+/-0.004 χ^2/NDF: 915452.4/14

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.573+/-0.004 χ^2/NDF:1458988.1/22

Out: 18.342+/-0.004 χ^2/NDF:1780202.2/26

All: 17.946+/-0.003 χ^2/NDF: 3260750.4/49



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:8.8/6

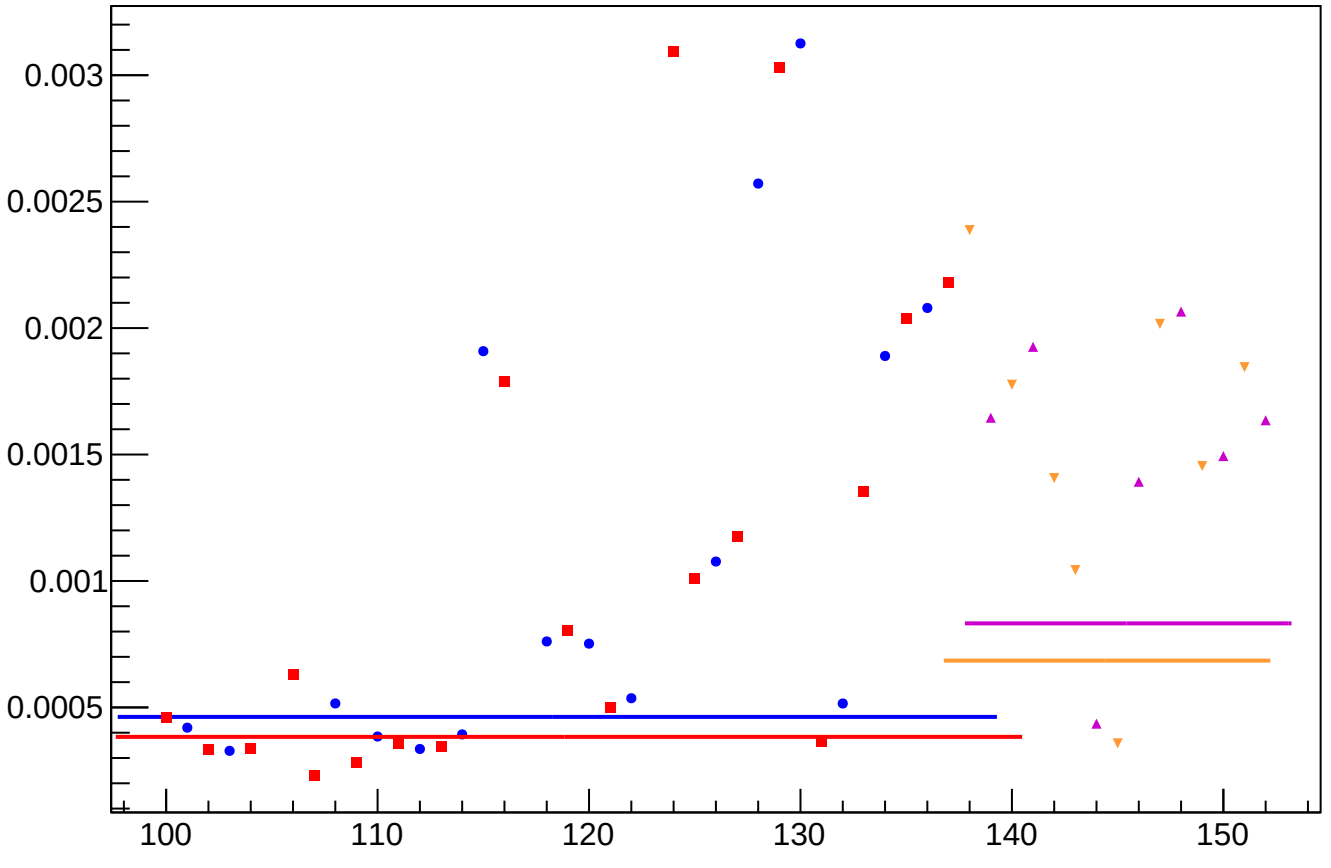
Left: 0.000+/-0.000 χ^2/NDF: 20.6/14

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:24.2/22

Out: 0.000+/-0.000 χ^2/NDF:32.2/26

All: 0.000+/-0.000 χ^2/NDF: 57.7/49



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:3760916.8/6

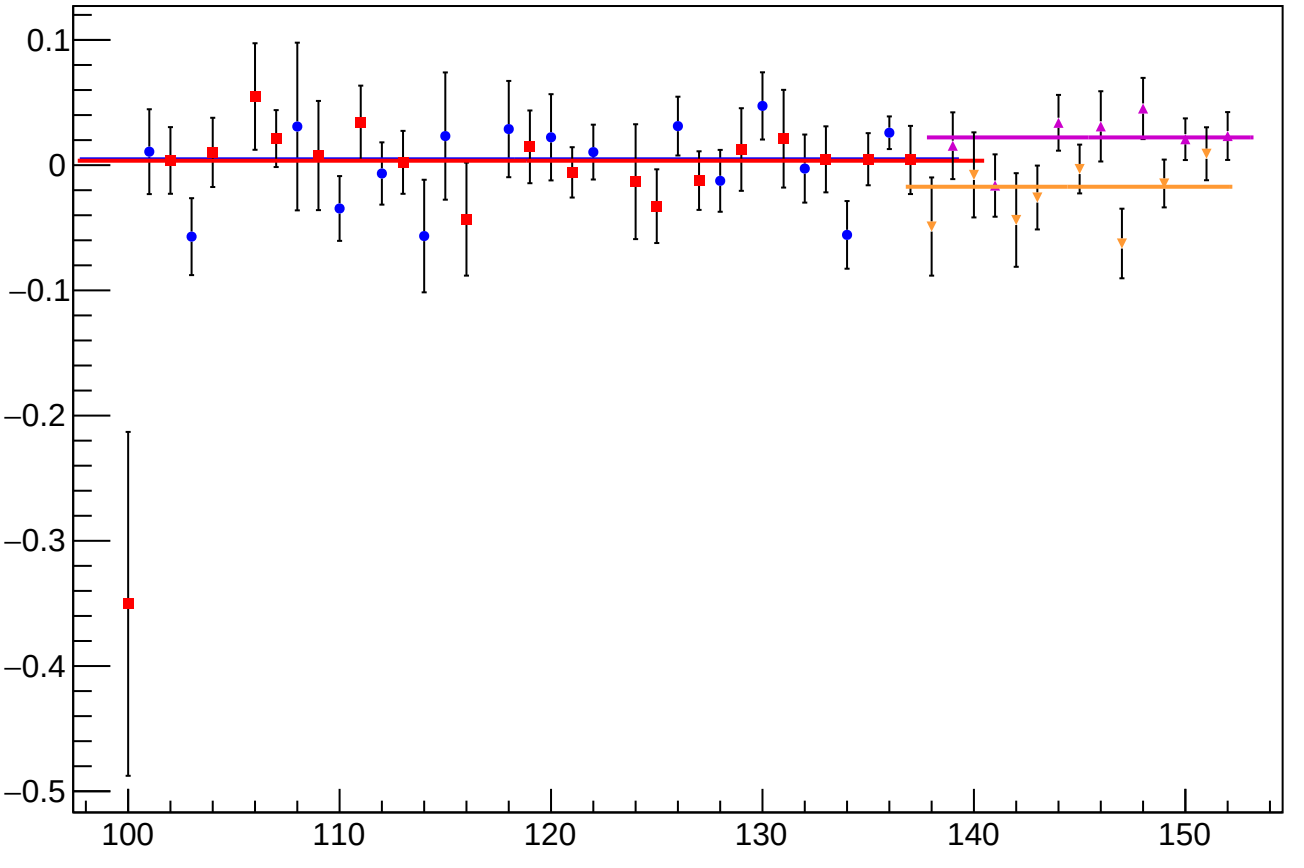
Left: 0.001+/-0.000 χ^2/NDF: 8756594.8/14

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:9020285.7/22

Out: 0.000+/-0.000 χ^2/NDF:10052814.3/26

All: 0.000+/-0.000 χ^2/NDF: 19379436.1/49



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+/-0.008 χ^2/NDF:3.7/6

Left: 0.004+/-0.006 χ^2/NDF: 20.3/14

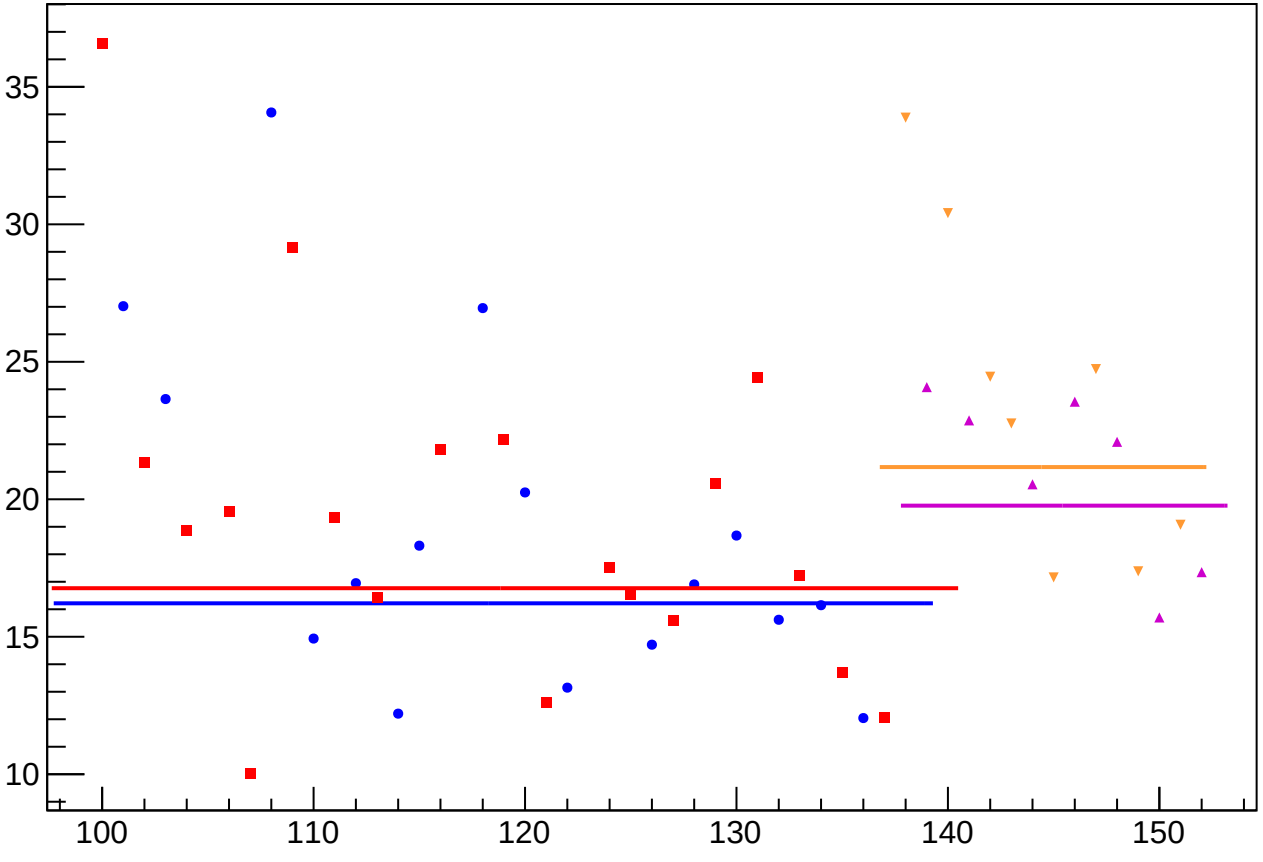
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:27.9/22

Out: -0.004+/-0.005 χ^2/NDF:23.2/26

All: 0.004+/-0.004 χ^2/NDF: 55.4/49

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: 19.768+/-0.006 χ^2/NDF:291677.4/6

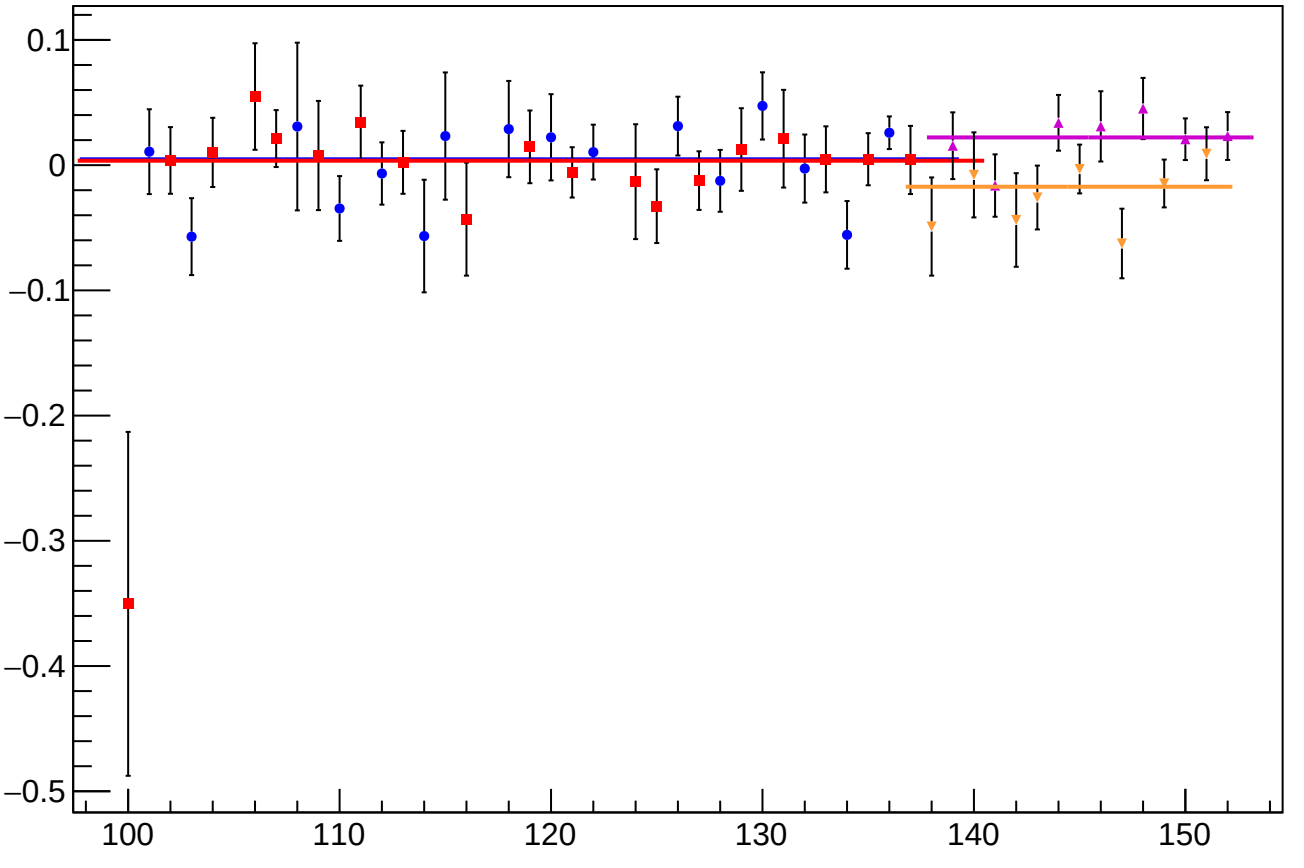
Left: 20.427+/-0.004 χ^2/NDF: 915579.3/14

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.573+/-0.004 χ^2/NDF:1459070.0/22

Out: 18.342+/-0.004 χ^2/NDF:1780290.9/26

All: 17.946+/-0.003 χ^2/NDF: 3260920.3/49



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+/-0.008 χ^2/NDF:3.7/6

Left: 0.004+/-0.006 χ^2/NDF: 20.3/14

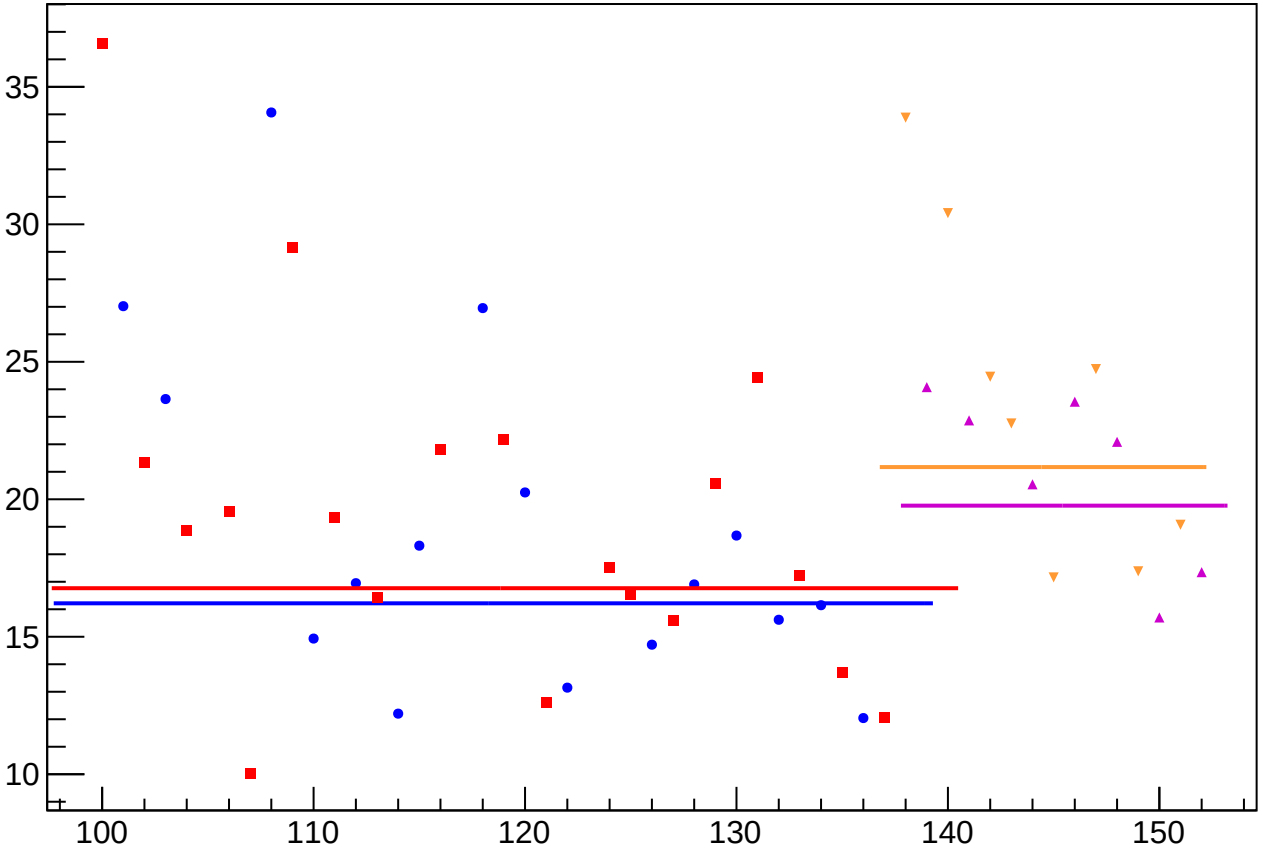
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:27.9/22

Out: -0.004+/-0.005 χ^2/NDF:23.2/26

All: 0.004+/-0.004 χ^2/NDF: 55.4/49

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: 19.768+/-0.006 χ^2/NDF:291677.4/6

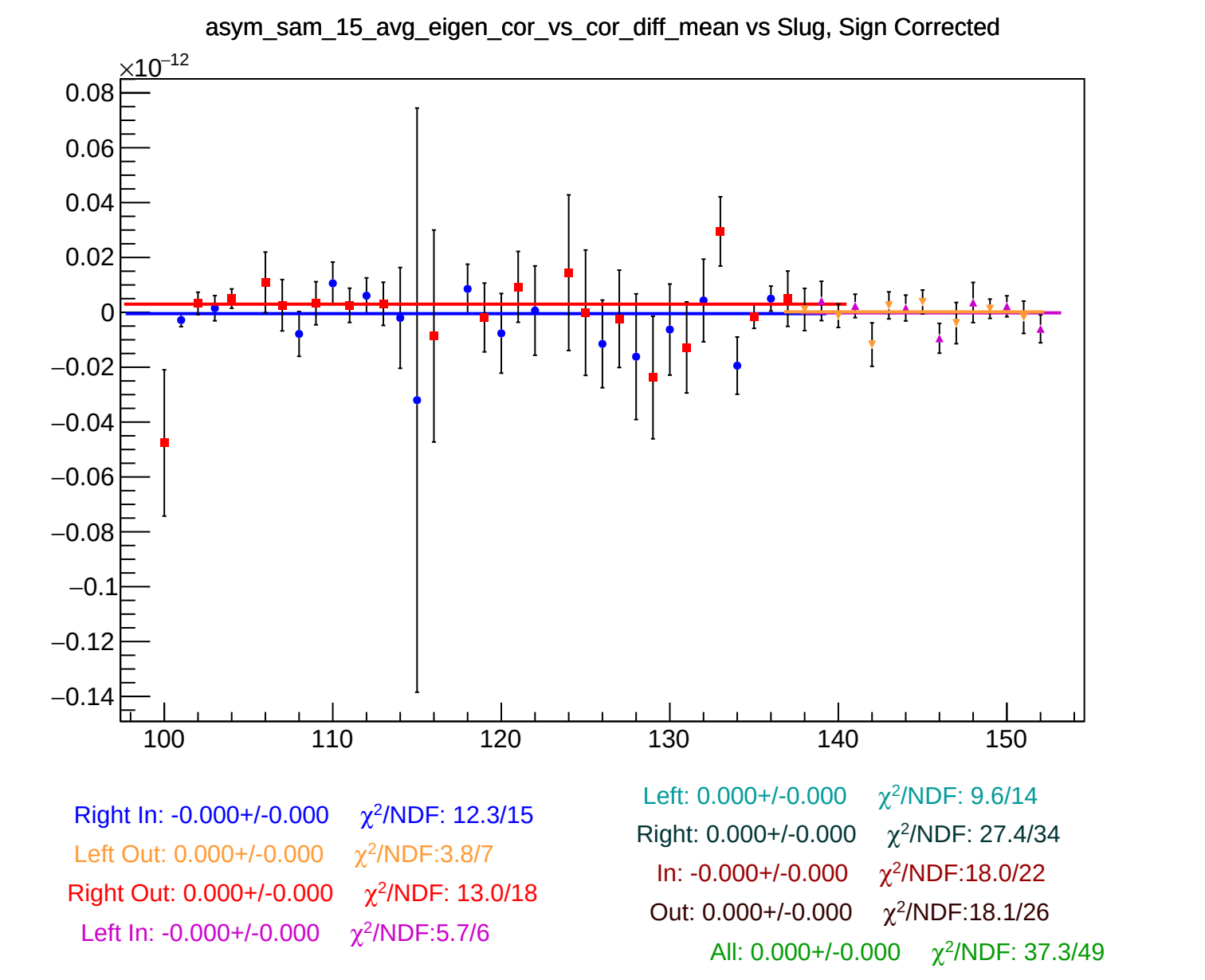
Left: 20.427+/-0.004 χ^2/NDF: 915579.3/14

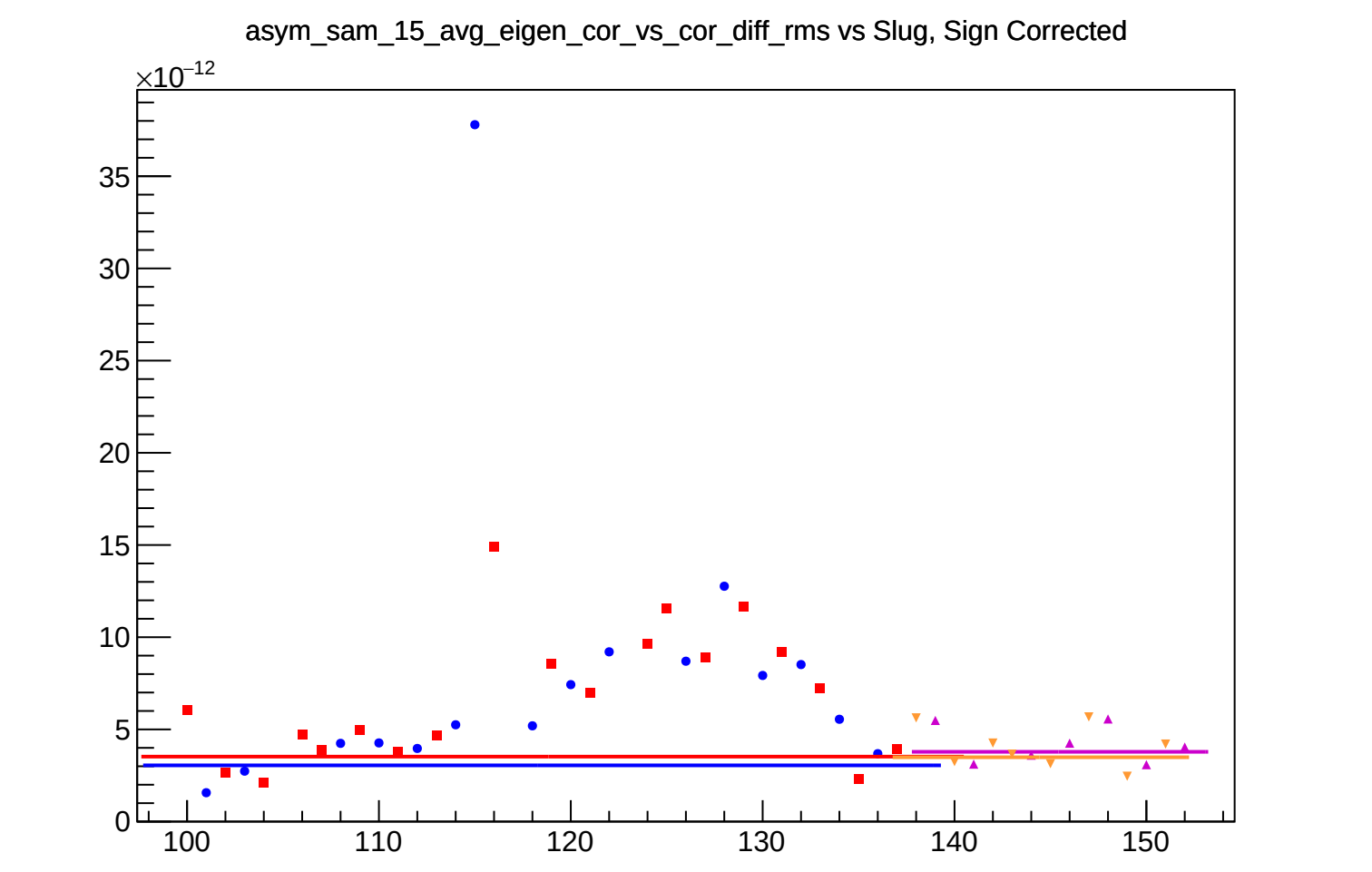
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.573+/-0.004 χ^2/NDF:1459070.0/22

Out: 18.342+/-0.004 χ^2/NDF:1780290.9/26

All: 17.946+/-0.003 χ^2/NDF: 3260920.3/49


asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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: 12.3/15
Left Out: 0.000+/-0.000 χ²/NDF:3.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 13.0/18
Left In: -0.000+/-0.000 χ²/NDF:5.7/6
Left: 0.000+/-0.000 χ²/NDF: 9.6/14
Right: 0.000+/-0.000 χ²/NDF: 27.4/34
In: -0.000+/-0.000 χ²/NDF:18.0/22
Out: 0.000+/-0.000 χ²/NDF:18.1/26
All: 0.000+/-0.000 χ²/NDF: 37.3/49



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:369368.7/6

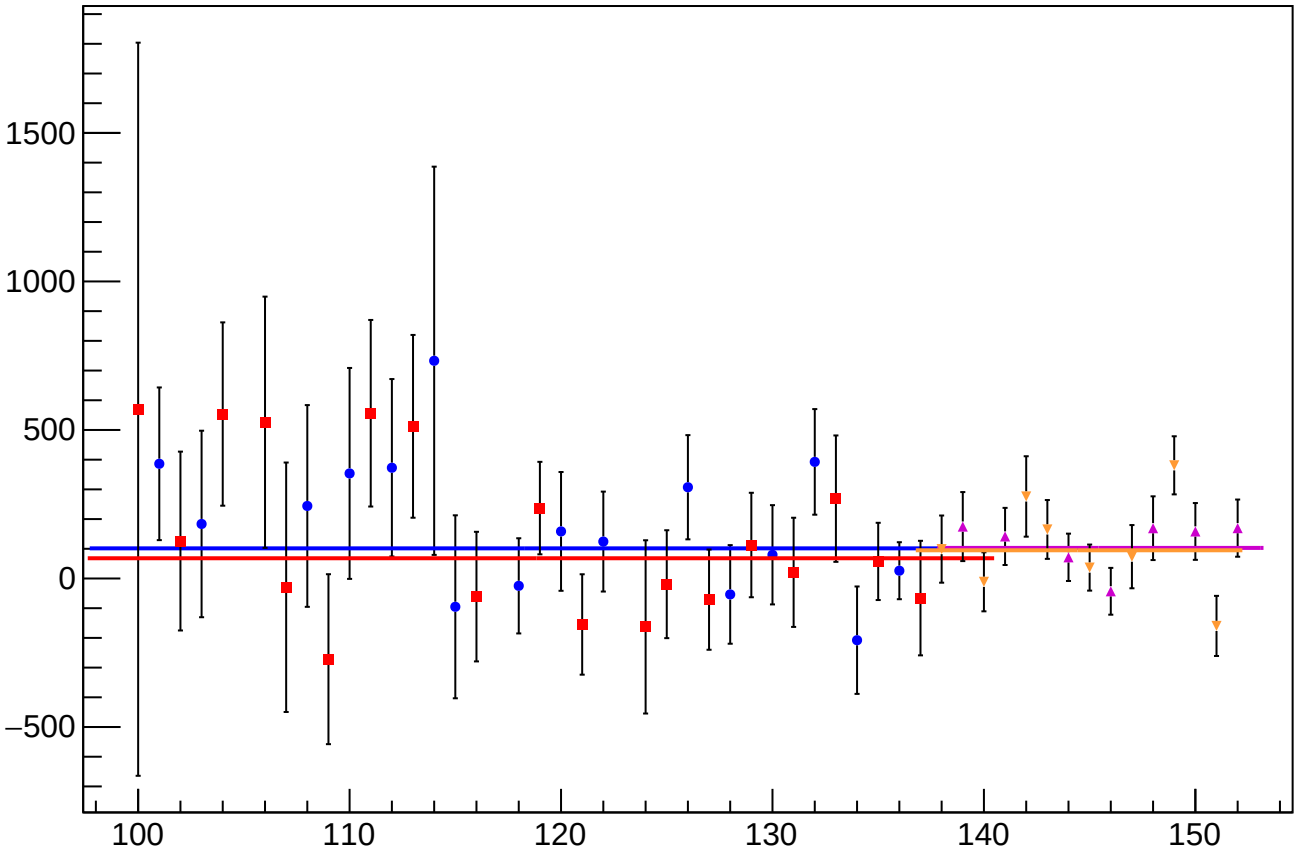
Left: 0.000+/-0.000 χ^2/NDF: 959983.9/14

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:3478678.4/22

Out: 0.000+/-0.000 χ^2/NDF:3124516.2/26

All: 0.000+/-0.000 χ^2/NDF: 6616140.9/49



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: 102.962+/-35.247 χ^2/NDF:5.3/6

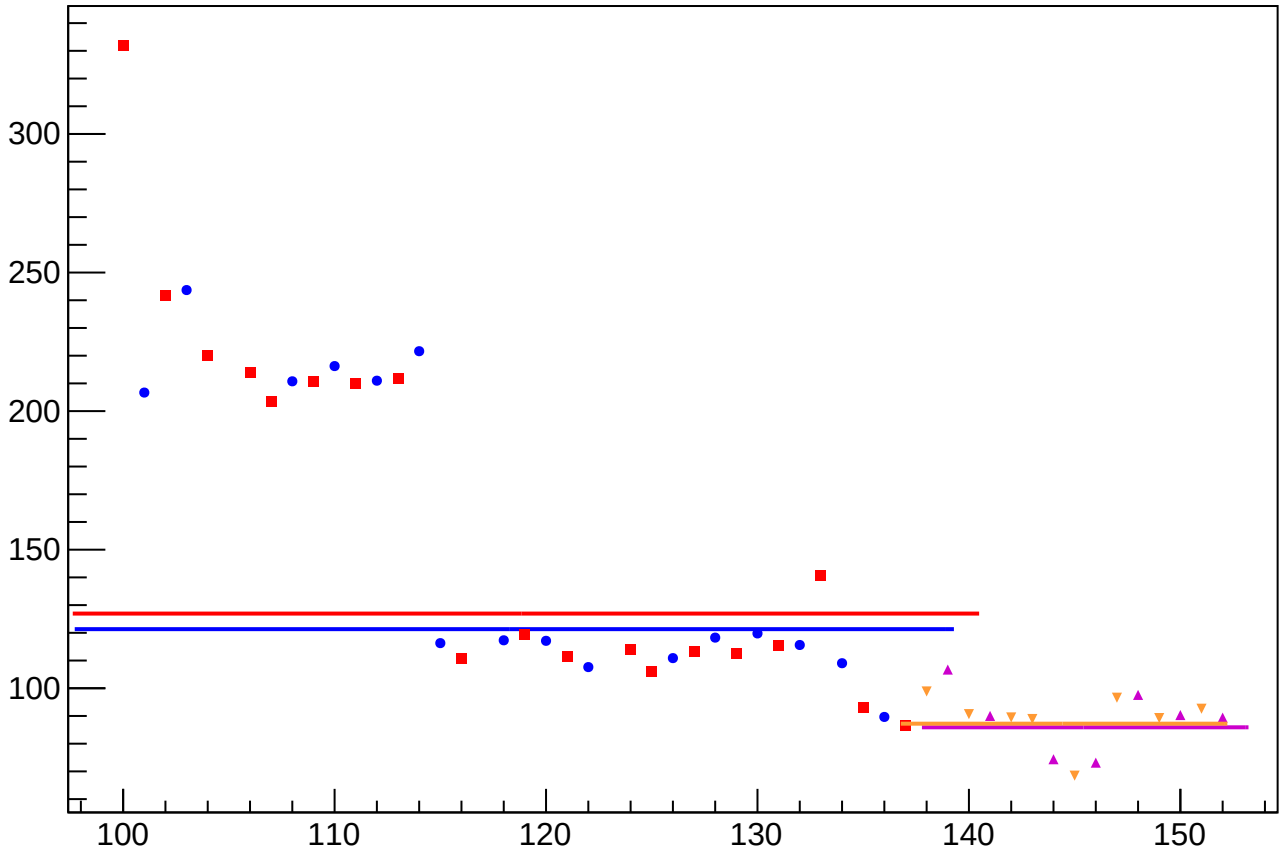
Left: 99.006+/-25.017 χ^2/NDF: 24.3/14

Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 102.430+/-28.333 χ^2/NDF:18.7/22

Out: 85.813+/-28.821 χ^2/NDF:35.3/26

All: 94.263+/-20.205 χ^2/NDF: 54.1/49



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: 85.906+/-0.025 χ^2/NDF:192843.1/6

Left: 86.557+/-0.018 χ^2/NDF: 357921.3/14

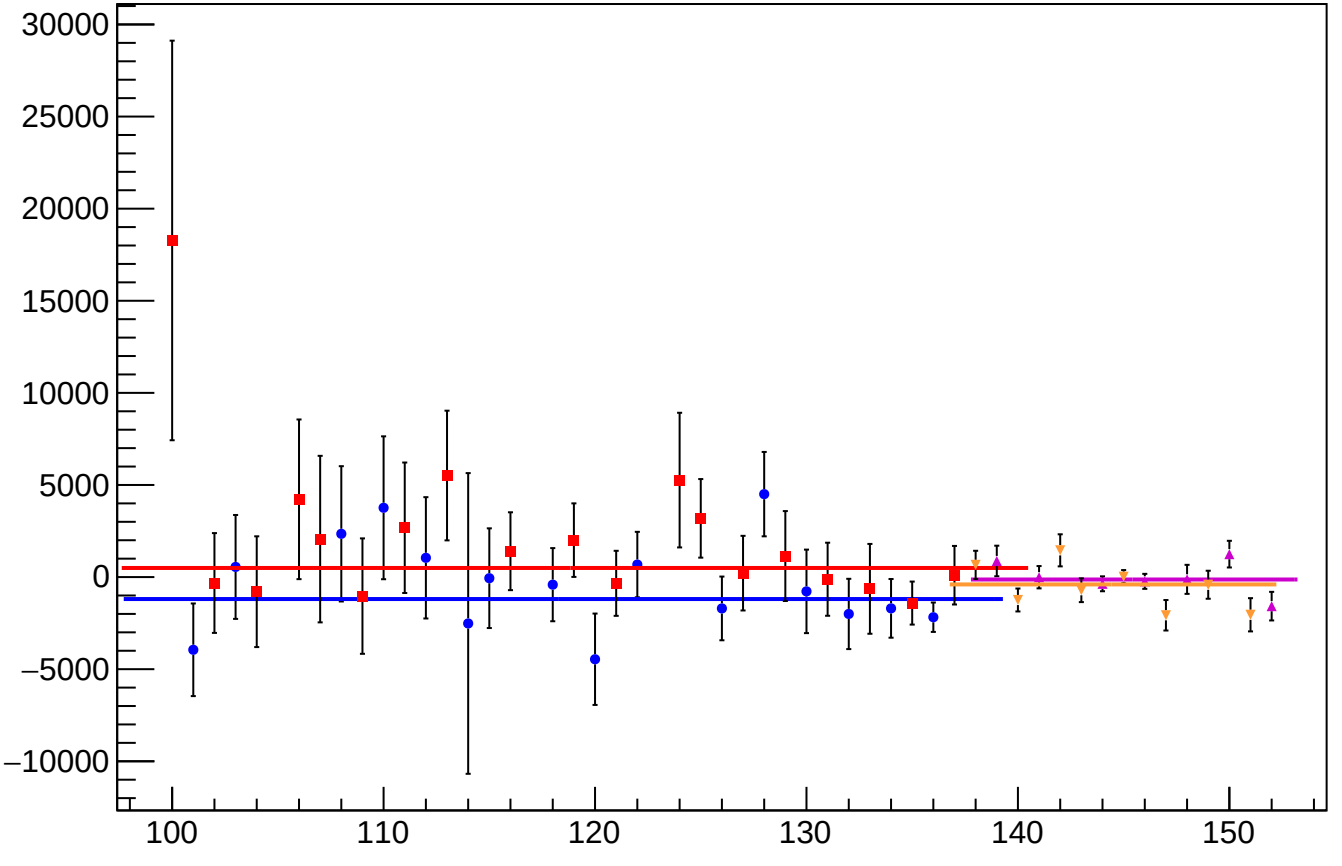
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 98.439+/-0.020 χ^2/NDF:2194104.1/22

Out: 100.779+/-0.020 χ^2/NDF:2489754.1/26

All: 99.589+/-0.014 χ^2/NDF: 4690559.5/49

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: -131.311+/-215.662 χ^2/NDF:9.0/6

Left: -260.446+/-155.124 χ^2/NDF: 27.0/14

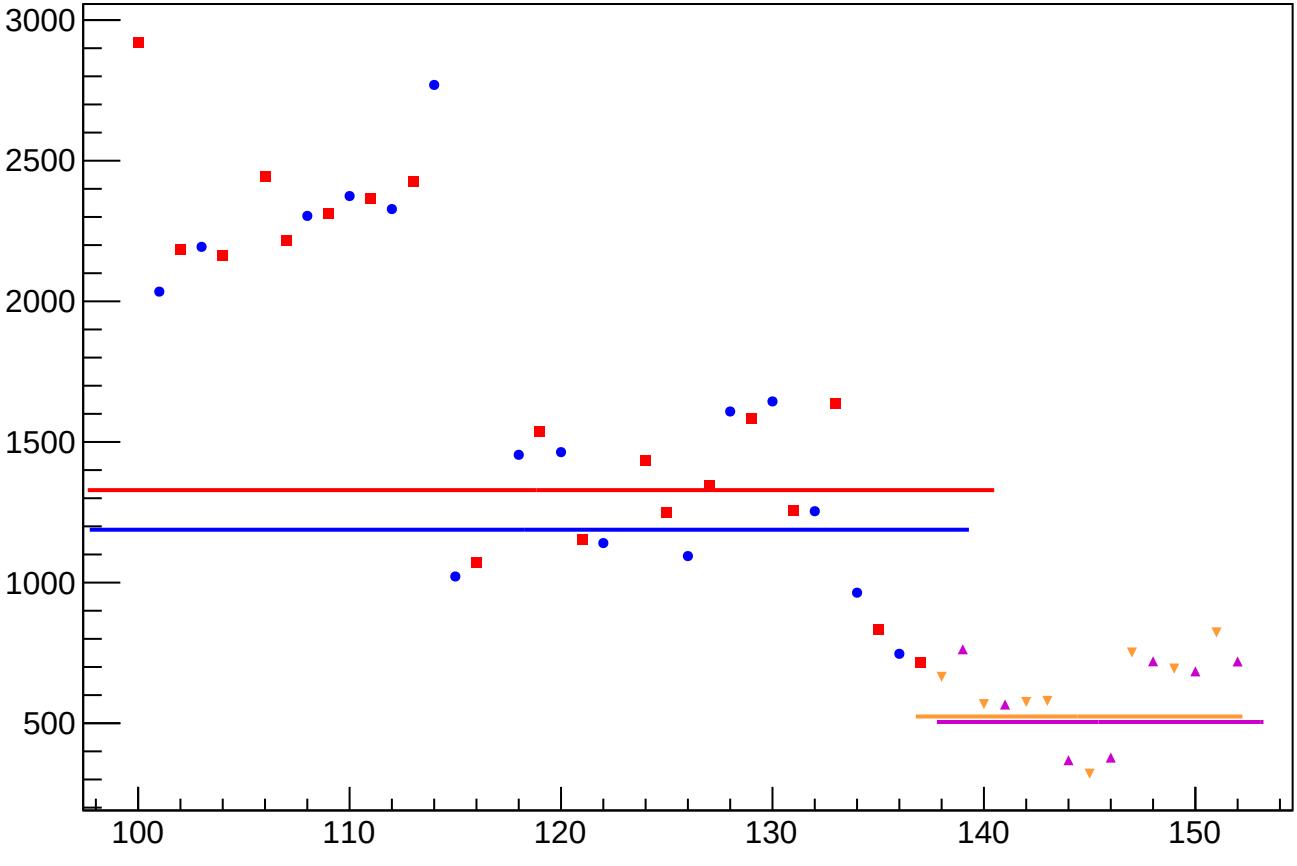
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -310.170+/-196.644 χ^2/NDF:29.0/22

Out: -260.566+/-205.284 χ^2/NDF:33.6/26

All: -286.434+/-142.004 χ^2/NDF: 62.7/49

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 523.880+/-0.158 χ^2/NDF:1202005.1/7

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 504.433+/-0.152 χ^2/NDF:1061360.7/6

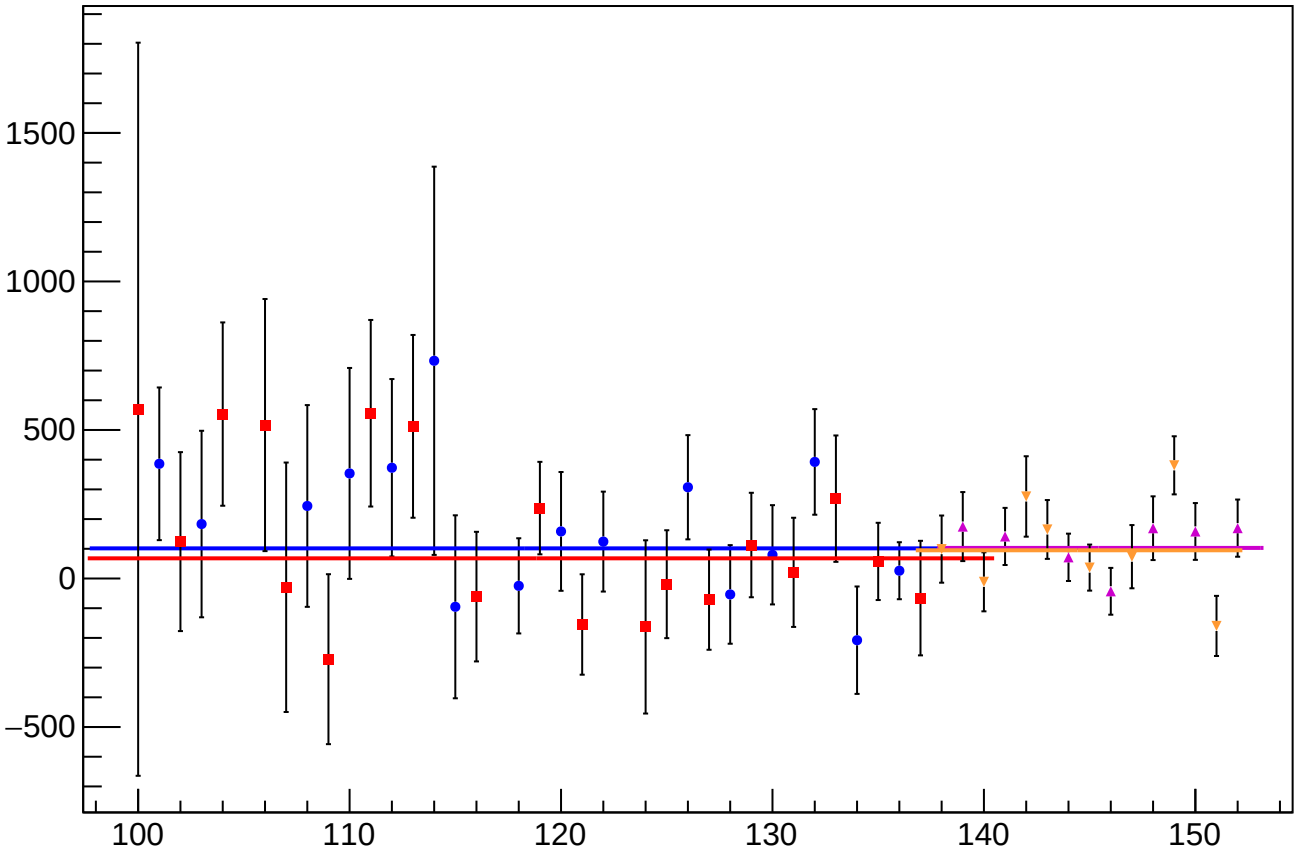
Left: 513.819+/-0.110 χ^2/NDF: 2271214.6/14

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 619.693+/-0.139 χ^2/NDF:6494335.5/22

Out: 648.485+/-0.145 χ^2/NDF:7183016.7/26

All: 633.471+/-0.100 χ^2/NDF: 13697868.9/49



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: 102.962+/-35.247 χ^2/NDF:5.3/6

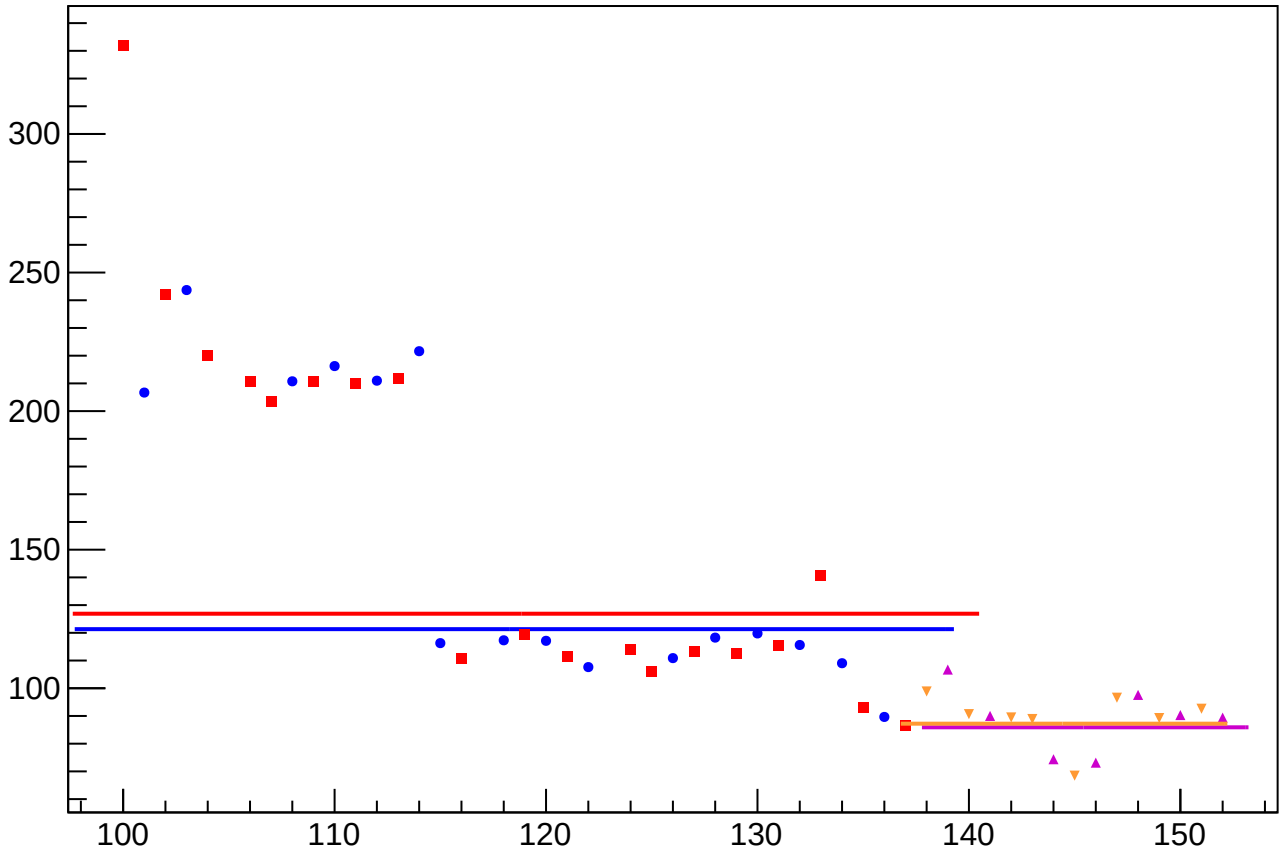
Left: 99.009+/-25.017 χ^2/NDF: 24.3/14

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 102.426+/-28.333 χ^2/NDF:18.7/22

Out: 85.740+/-28.821 χ^2/NDF:35.2/26

All: 94.225+/-20.205 χ^2/NDF: 54.1/49



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: 85.906+/-0.025 χ^2/NDF:192843.1/6

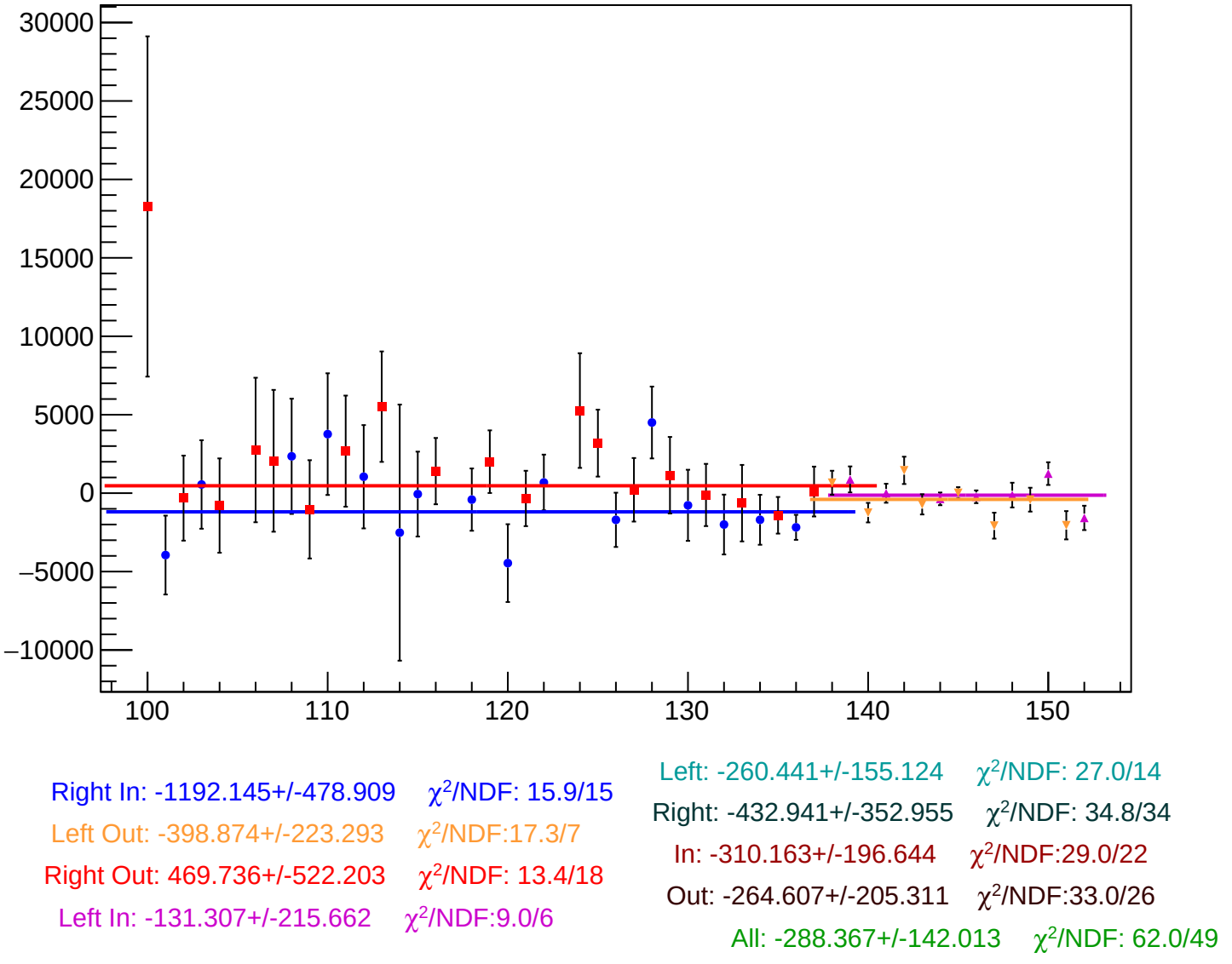
Left: 86.557+/-0.018 χ^2/NDF: 357921.3/14

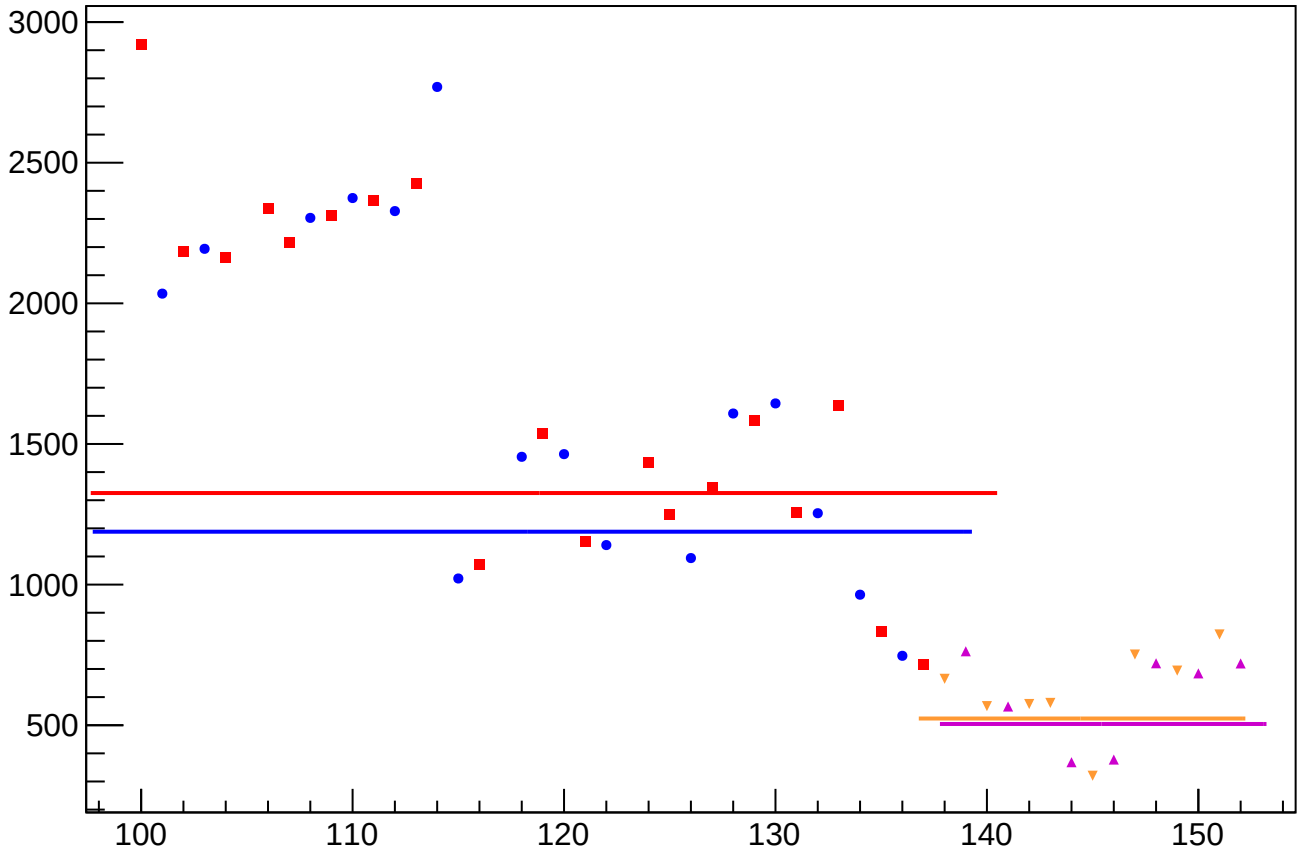
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 98.439+/-0.020 χ^2/NDF:2194106.4/22

Out: 100.760+/-0.020 χ^2/NDF:2481420.5/26

All: 99.580+/-0.014 χ^2/NDF: 4682124.3/49


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: -398.874+/-223.293 χ²/NDF:17.3/7
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: -131.307+/-215.662 χ²/NDF:9.0/6
Left: -260.441+/-155.124 χ²/NDF: 27.0/14
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -310.163+/-196.644 χ²/NDF:29.0/22
Out: -264.607+/-205.311 χ²/NDF:33.0/26
All: -288.367+/-142.013 χ²/NDF: 62.0/49



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: 504.433+/-0.152 χ^2/NDF:1061363.1/6

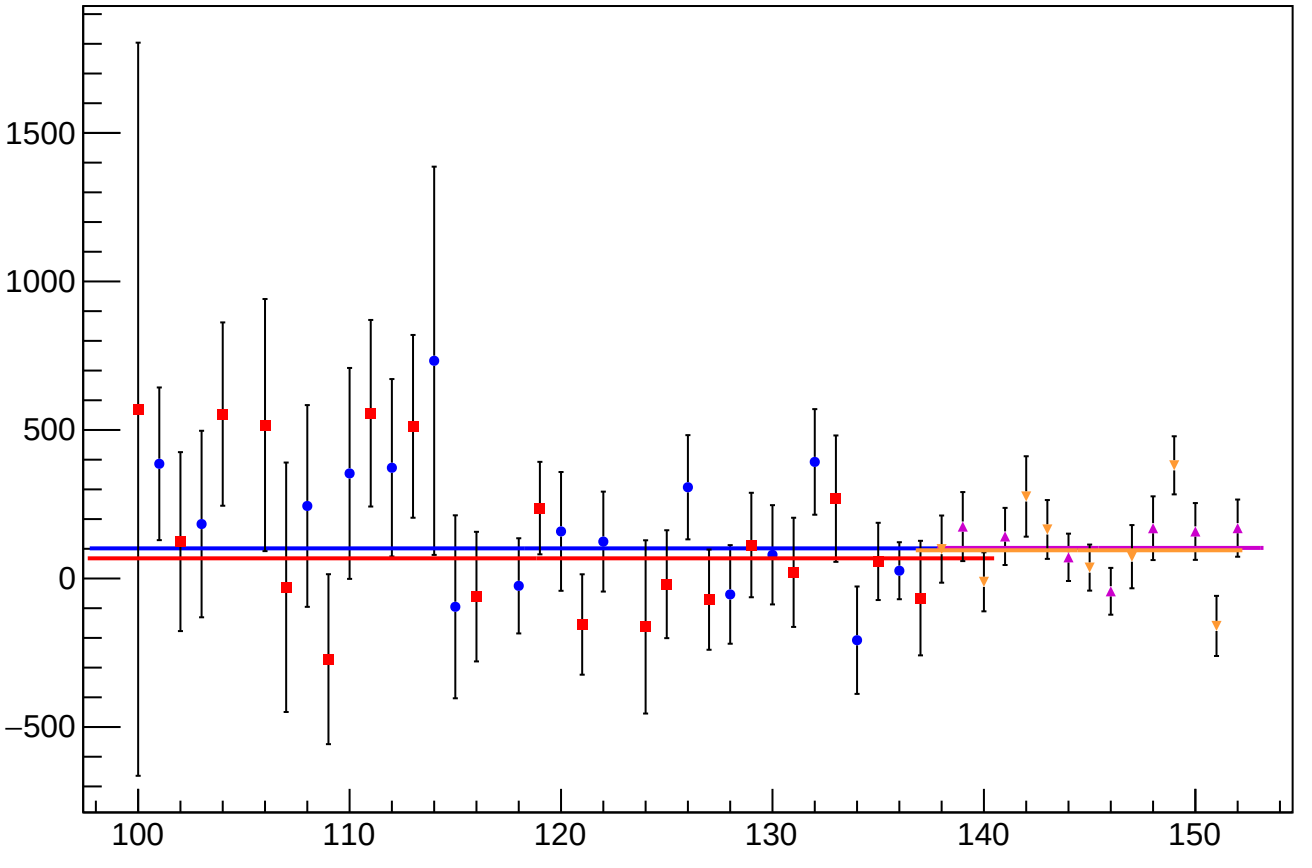
Left: 513.818+/-0.110 χ^2/NDF: 2271223.1/14

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 619.693+/-0.139 χ^2/NDF:6494359.3/22

Out: 647.801+/-0.145 χ^2/NDF:7108034.9/26

All: 633.141+/-0.100 χ^2/NDF: 13621945.4/49



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: 102.962+/-35.247 χ^2/NDF:5.3/6

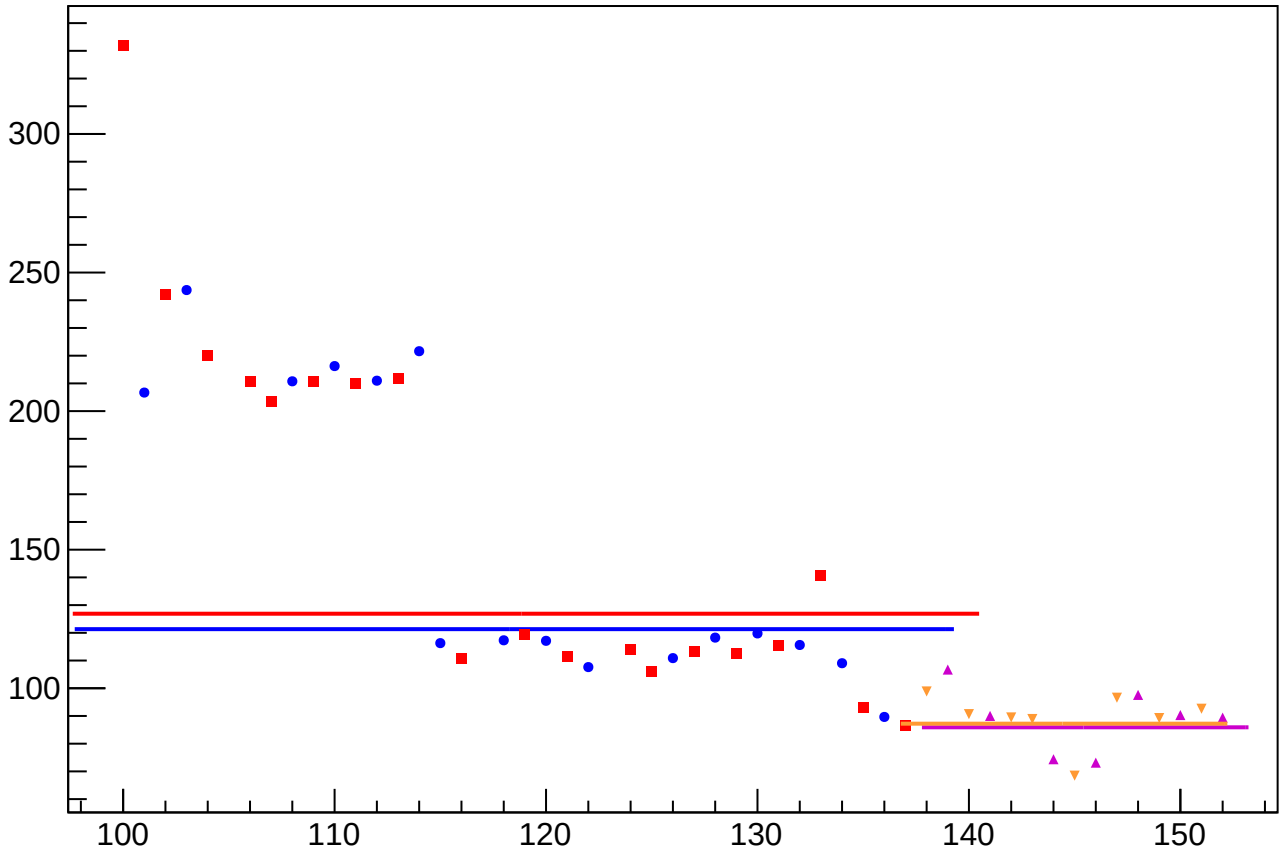
Left: 99.009+/-25.017 χ^2/NDF: 24.3/14

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 102.426+/-28.333 χ^2/NDF:18.7/22

Out: 85.740+/-28.821 χ^2/NDF:35.2/26

All: 94.225+/-20.205 χ^2/NDF: 54.1/49



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: 85.906+/-0.025 χ^2/NDF:192843.1/6

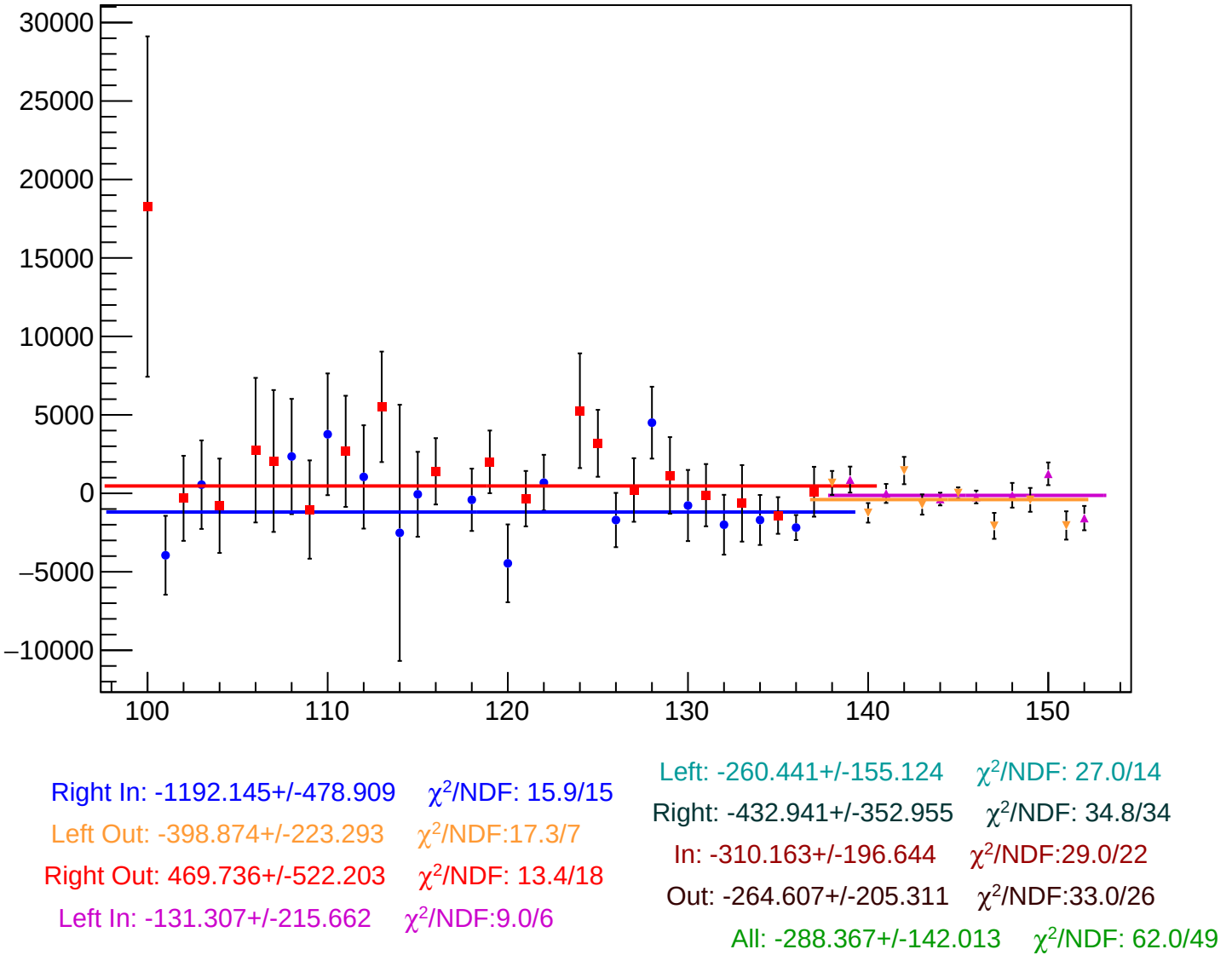
Left: 86.557+/-0.018 χ^2/NDF: 357921.3/14

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 98.439+/-0.020 χ^2/NDF:2194106.4/22

Out: 100.760+/-0.020 χ^2/NDF:2481420.5/26

All: 99.580+/-0.014 χ^2/NDF: 4682124.3/49


asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
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15000
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−5000
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120
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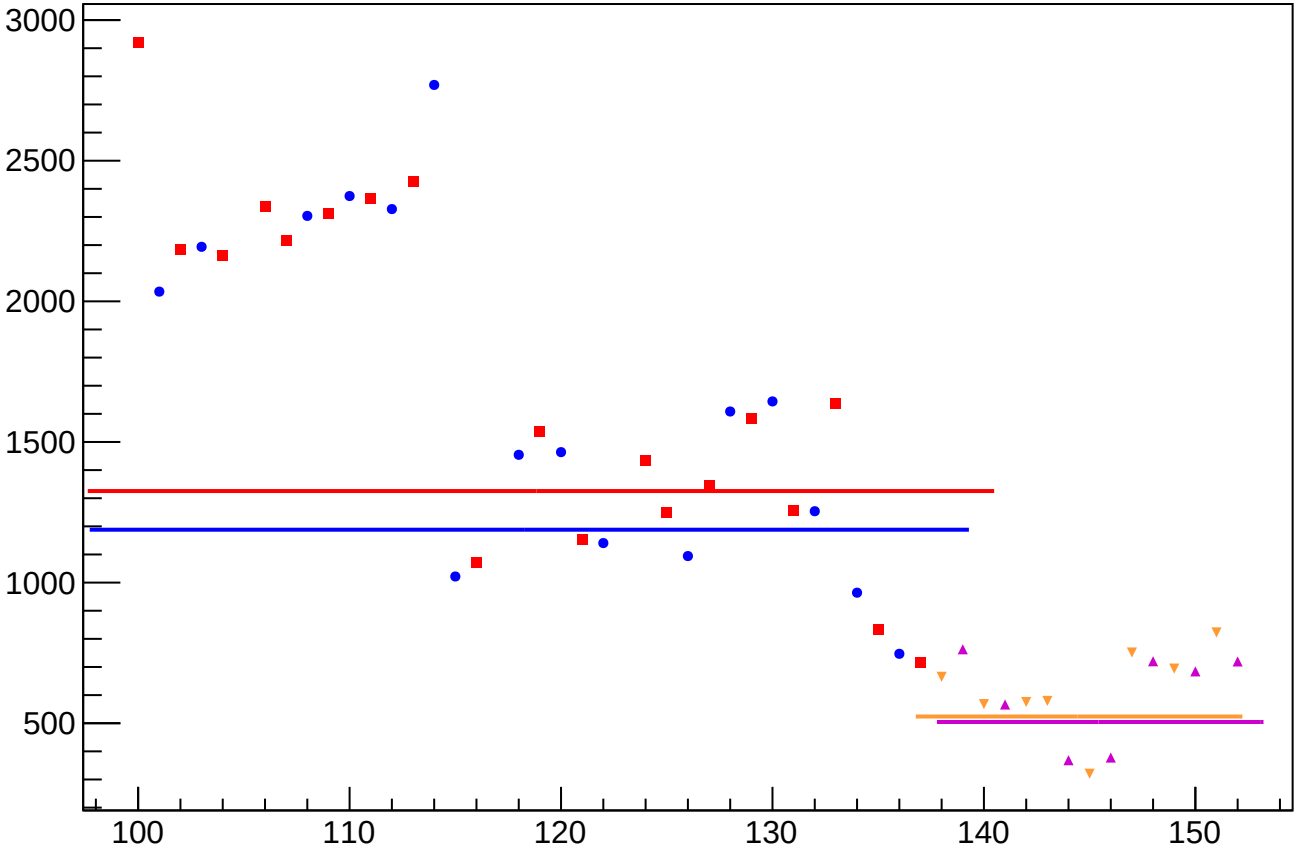
Right In: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: -398.874+/-223.293 χ²/NDF:17.3/7
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: -131.307+/-215.662 χ²/NDF:9.0/6
Left: -260.441+/-155.124 χ²/NDF: 27.0/14
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -310.163+/-196.644 χ²/NDF:29.0/22
Out: -264.607+/-205.311 χ²/NDF:33.0/26
All: -288.367+/-142.013 χ²/NDF: 62.0/49

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: 504.433+/-0.152 χ^2/NDF:1061363.1/6

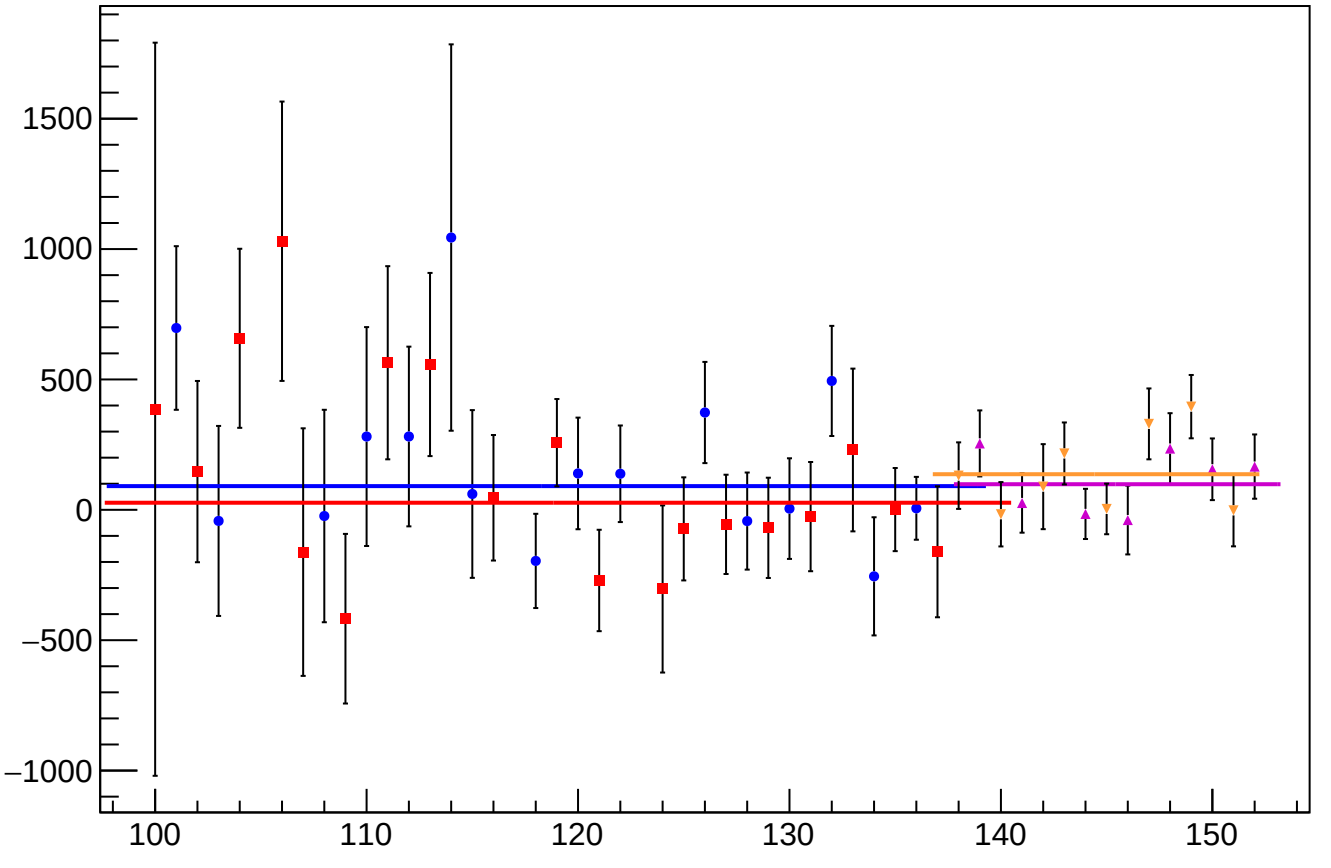
Left: 513.818+/-0.110 χ^2/NDF: 2271223.1/14

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 619.693+/-0.139 χ^2/NDF:6494359.3/22

Out: 647.801+/-0.145 χ^2/NDF:7108034.9/26

All: 633.141+/-0.100 χ^2/NDF: 13621945.4/49



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: 98.188+/-44.875 χ^2/NDF:6.0/6

Left: 117.746+/-31.421 χ^2/NDF: 17.9/14

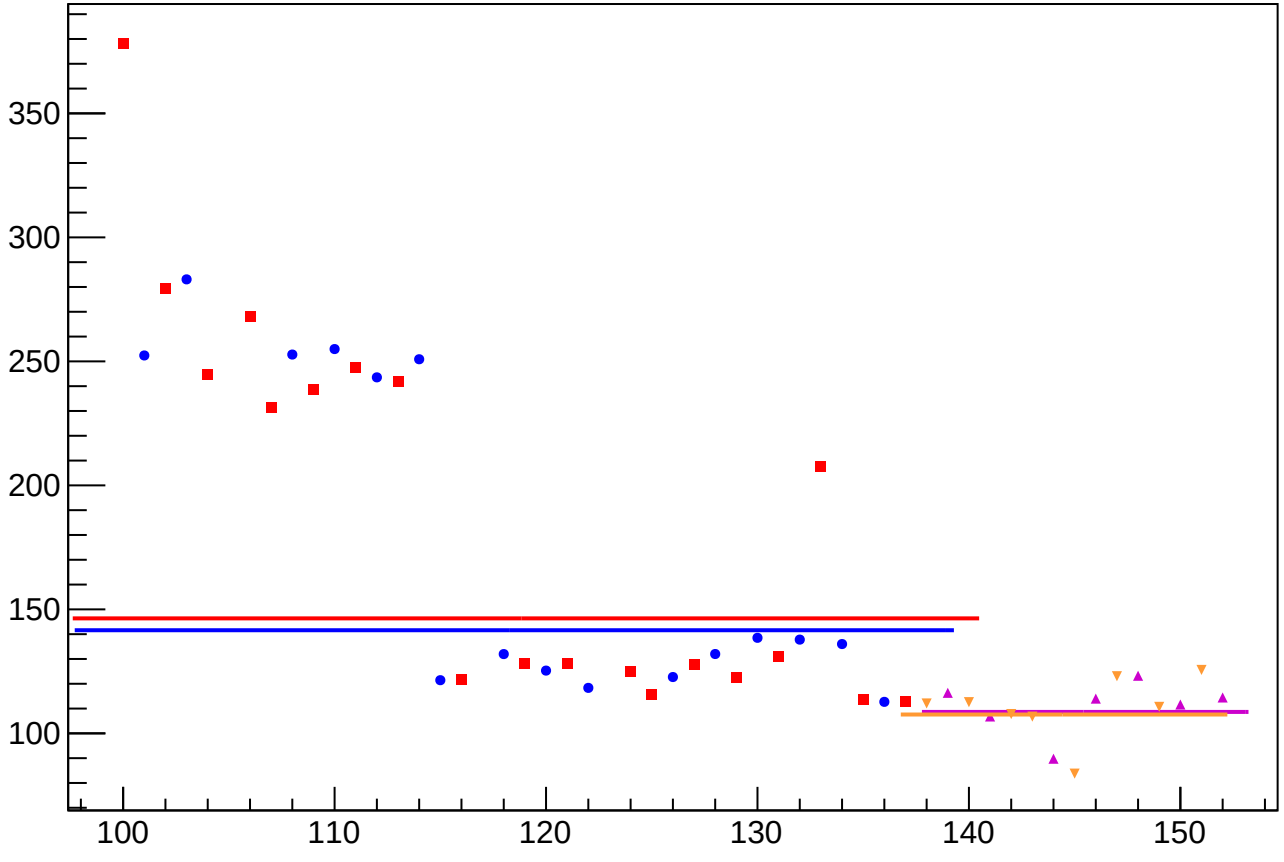
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 95.314+/-34.911 χ^2/NDF:24.0/22

Out: 95.716+/-34.838 χ^2/NDF:34.4/26

All: 95.515+/-24.660 χ^2/NDF: 58.5/49

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 107.603+/-0.031 χ^2/NDF:187663.1/7

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 108.647+/-0.032 χ^2/NDF:117045.1/6

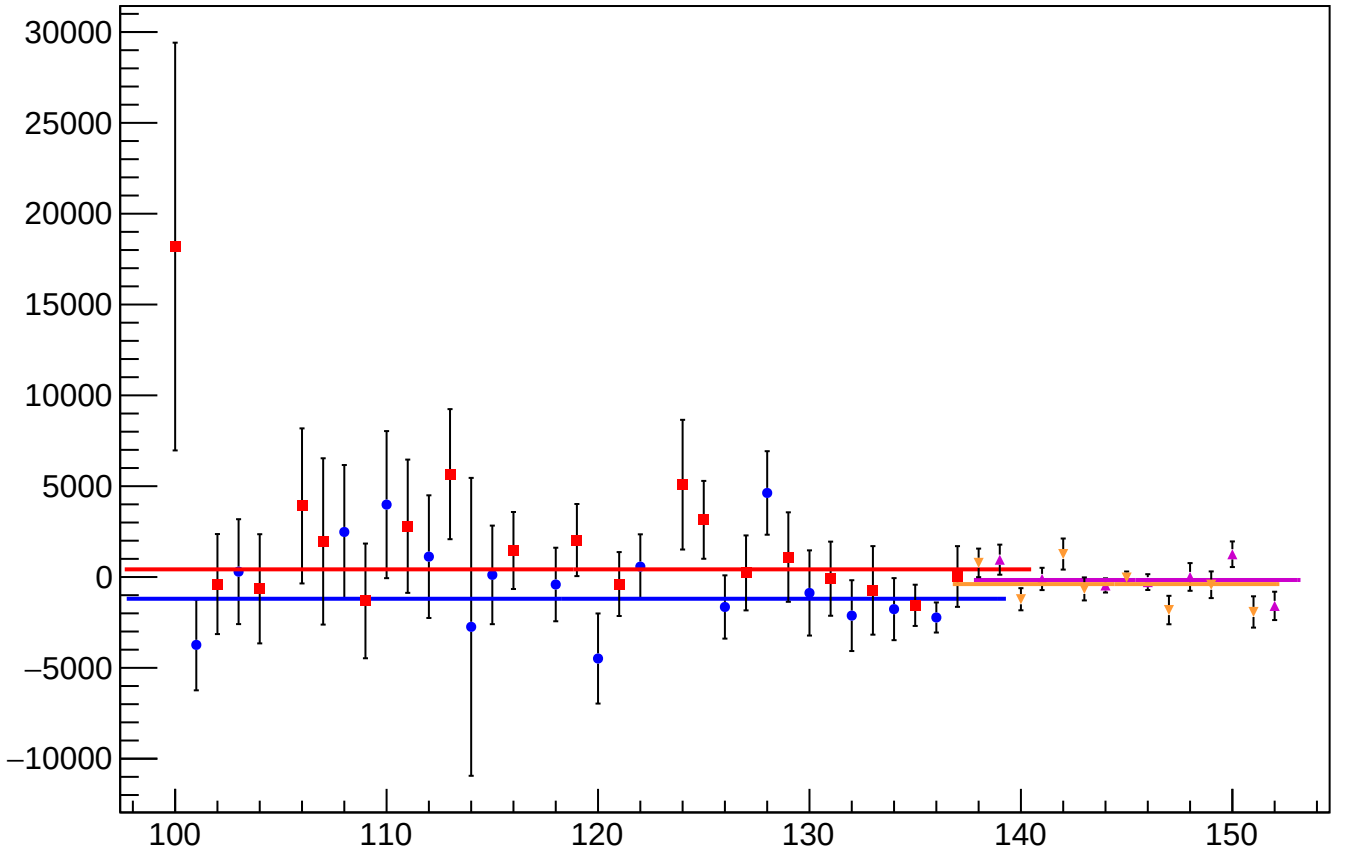
Left: 108.115+/-0.022 χ^2/NDF: 305259.6/14

Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 121.650+/-0.025 χ^2/NDF:1804793.8/22

Out: 122.077+/-0.025 χ^2/NDF:2280672.2/26

All: 121.864+/-0.017 χ^2/NDF: 4085615.5/49



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -389.333+/-213.375 χ^2/NDF:15.6/7

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: -163.238+/-216.607 χ^2/NDF:9.9/6

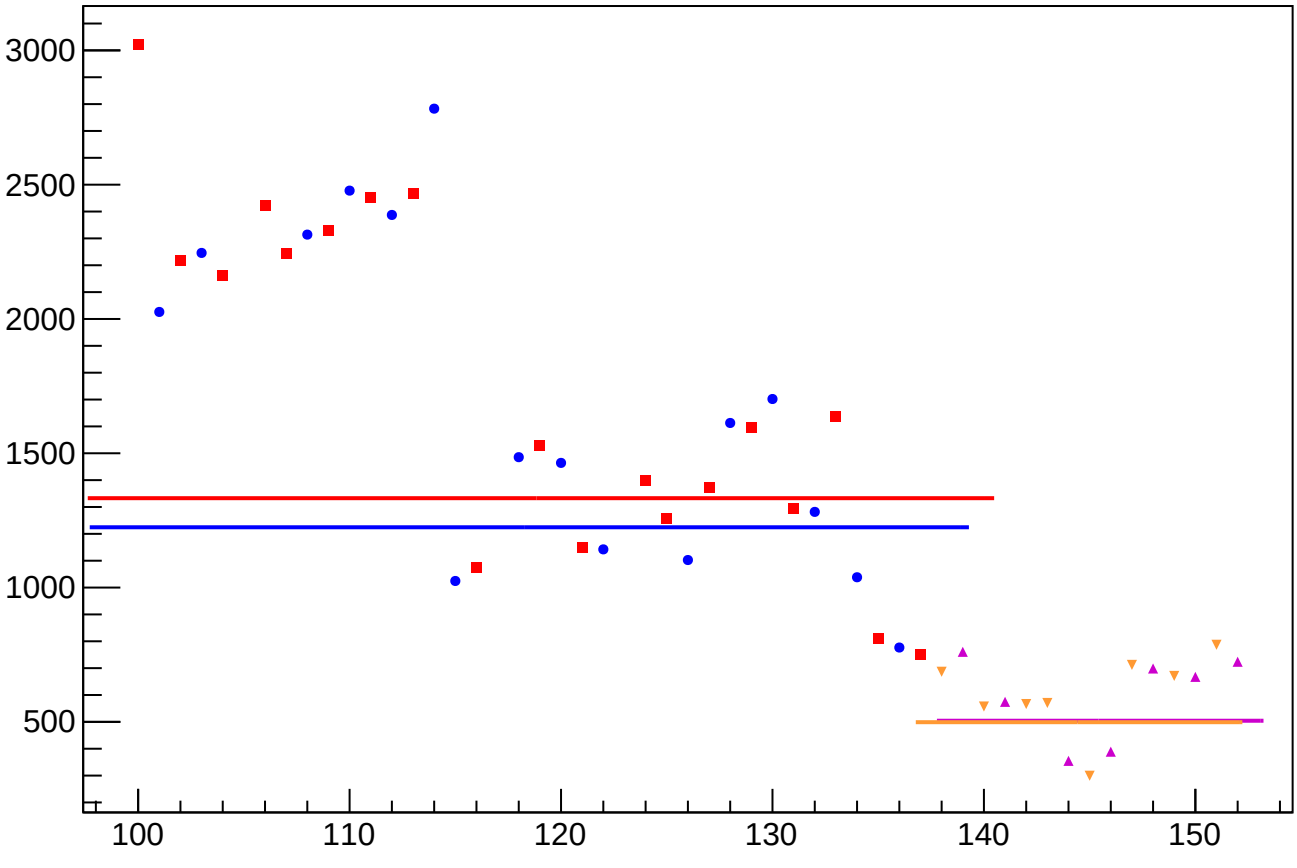
Left: -277.985+/-152.009 χ^2/NDF: 26.1/14

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: -331.376+/-198.205 χ^2/NDF:29.6/22

Out: -273.851+/-197.610 χ^2/NDF:32.0/26

All: -302.527+/-139.941 χ^2/NDF: 61.6/49



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: 504.199+/-0.153 χ^2/NDF:1046550.6/6

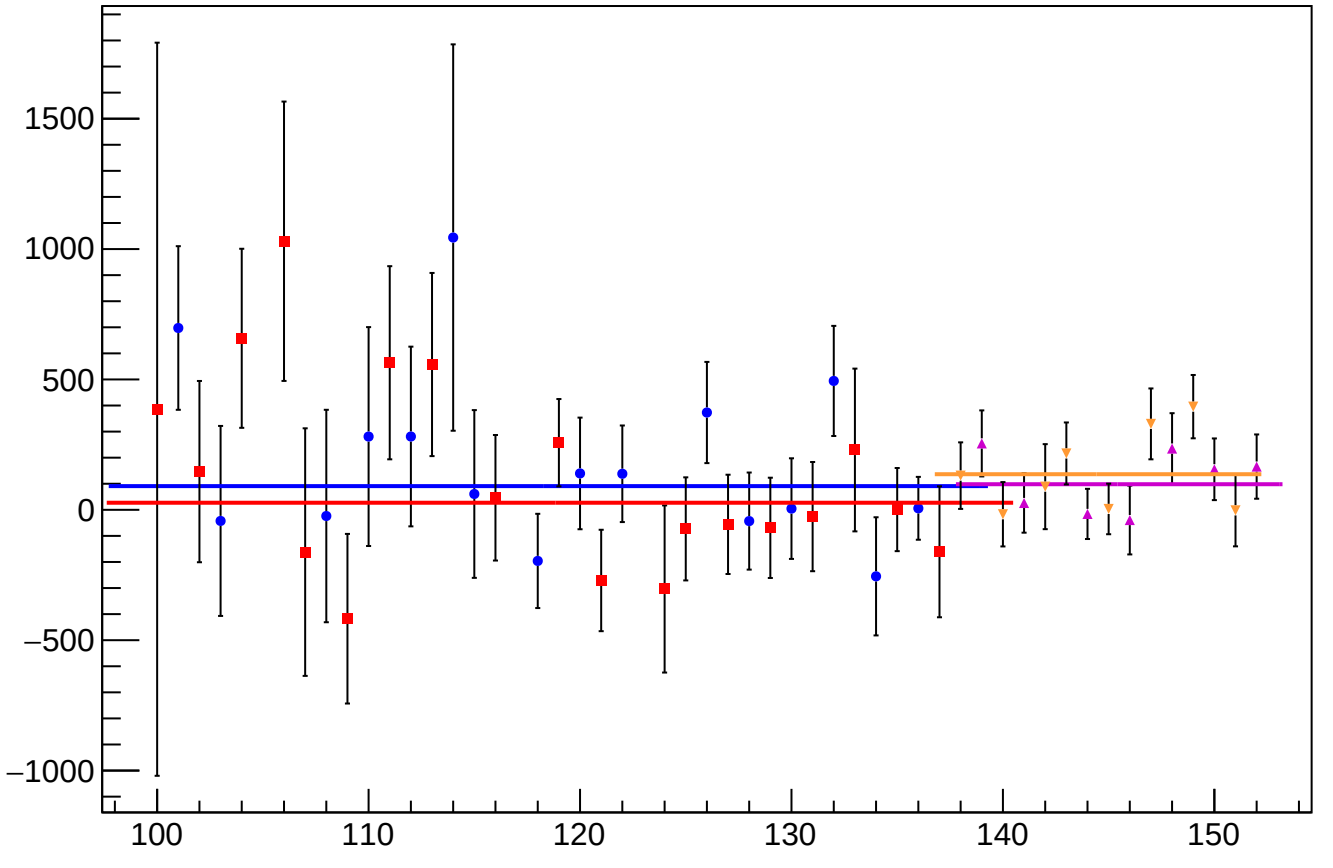
Left: 501.448+/-0.107 χ^2/NDF: 2412107.4/14

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 621.386+/-0.140 χ^2/NDF:6603918.1/22

Out: 617.464+/-0.140 χ^2/NDF:7707962.9/26

All: 619.419+/-0.099 χ^2/NDF: 14312273.7/49



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: 98.187+/-44.875 χ^2/NDF:6.0/6

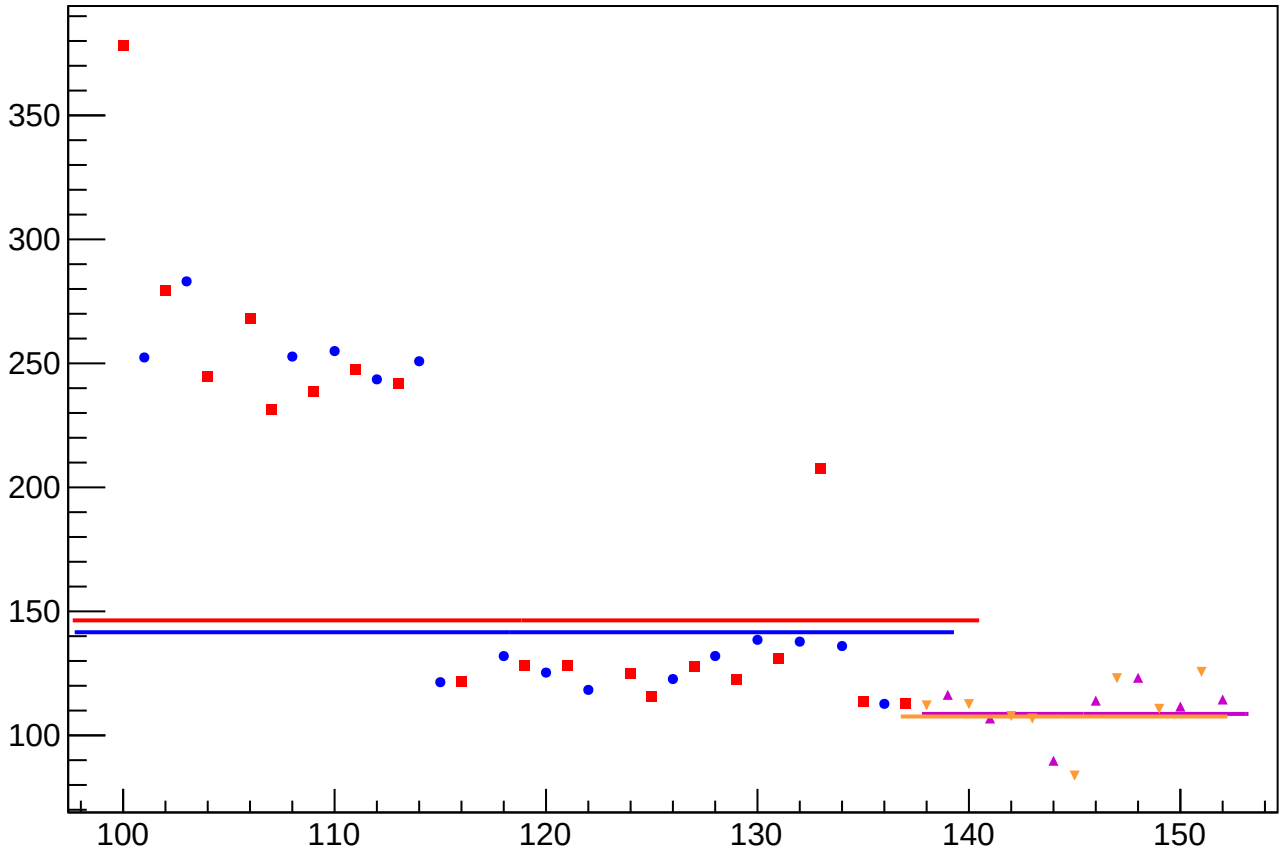
Left: 117.745+/-31.421 χ^2/NDF: 17.9/14

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 95.314+/-34.911 χ^2/NDF:24.0/22

Out: 95.715+/-34.838 χ^2/NDF:34.4/26

All: 95.515+/-24.660 χ^2/NDF: 58.5/49



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: 108.648+/-0.032 χ^2/NDF:117042.1/6

Left: 108.116+/-0.022 χ^2/NDF: 305248.7/14

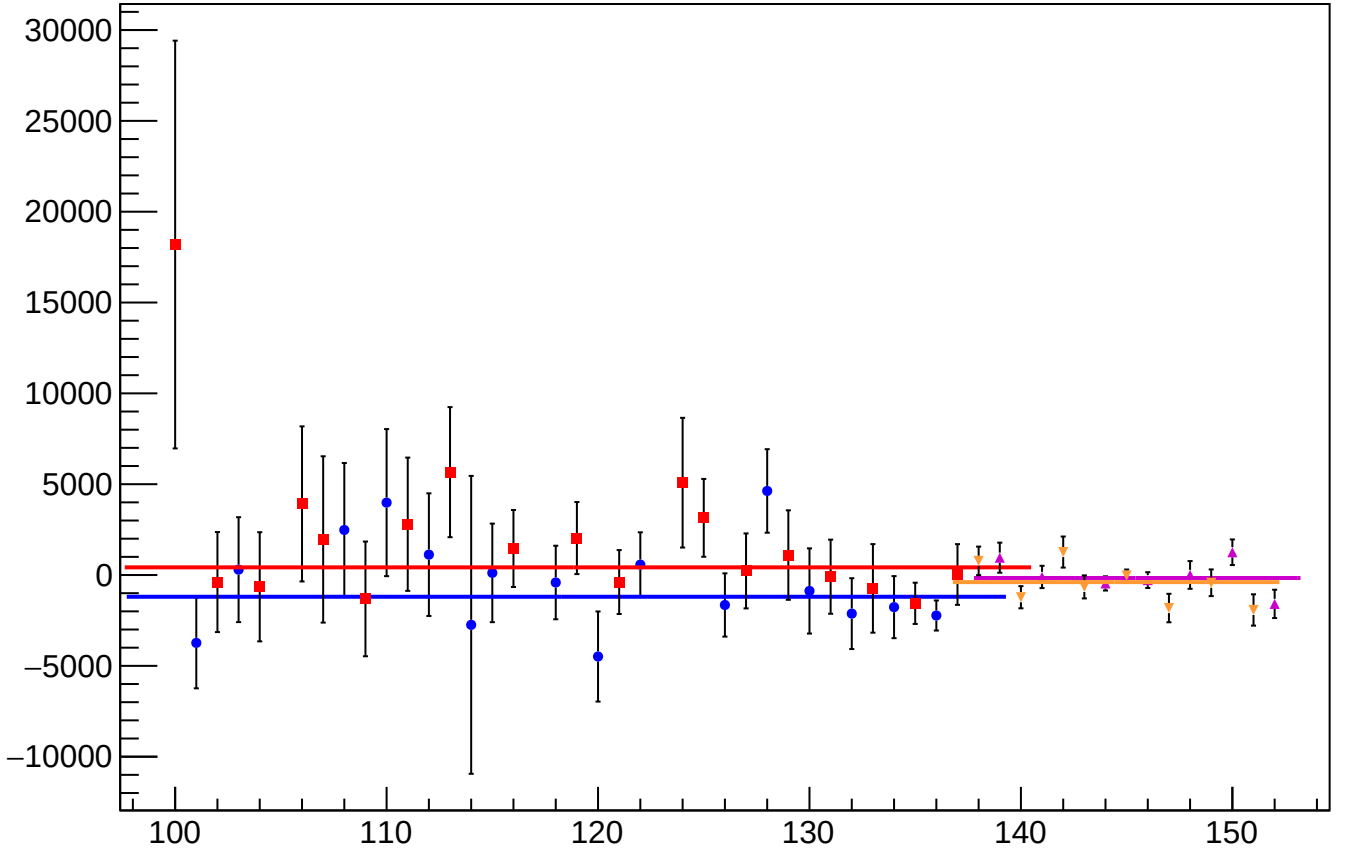
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 121.651+/-0.025 χ^2/NDF:1804744.0/22

Out: 122.077+/-0.025 χ^2/NDF:2280622.2/26

All: 121.864+/-0.017 χ^2/NDF: 4085515.8/49

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: -163.238+/-216.607 χ^2/NDF:9.9/6

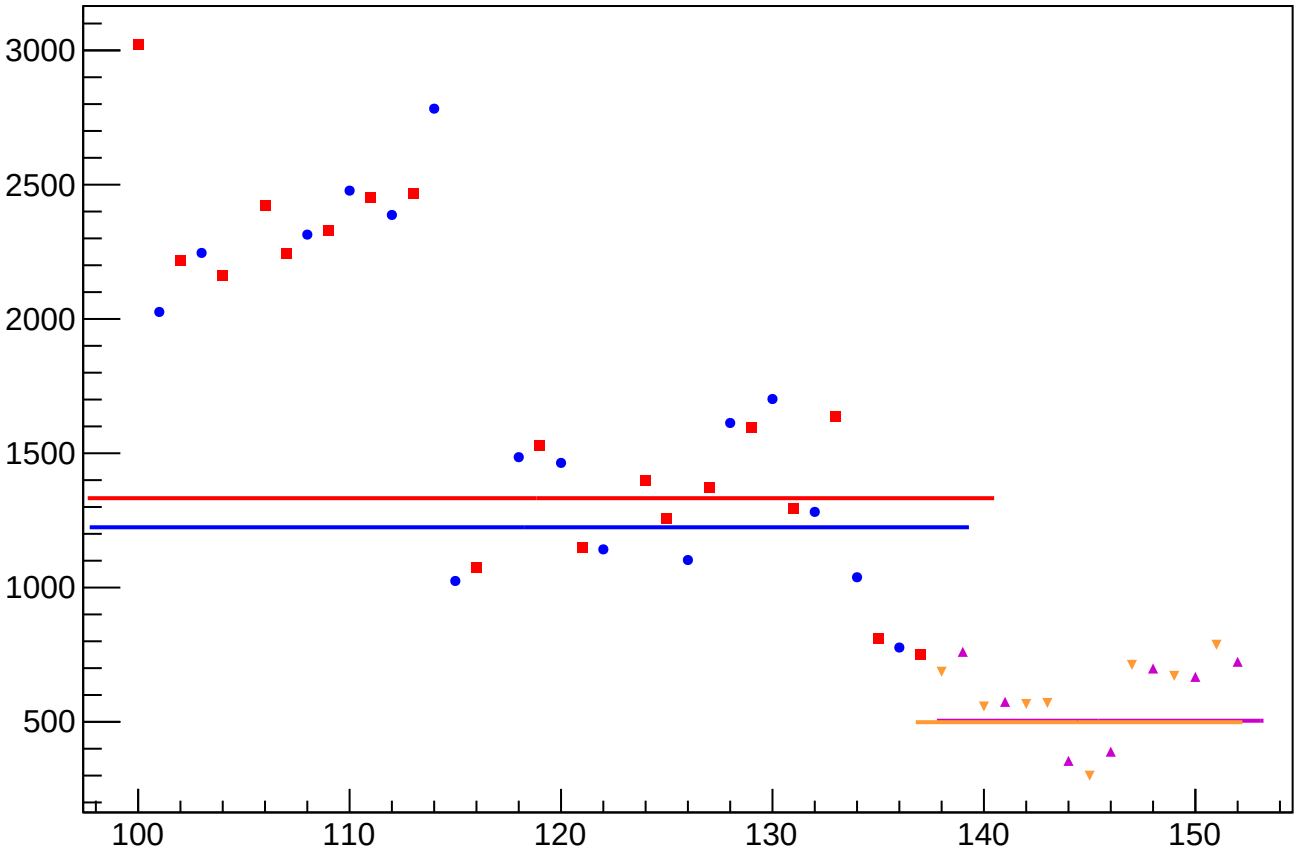
Left: -277.985+/-152.008 χ^2/NDF: 26.1/14

Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

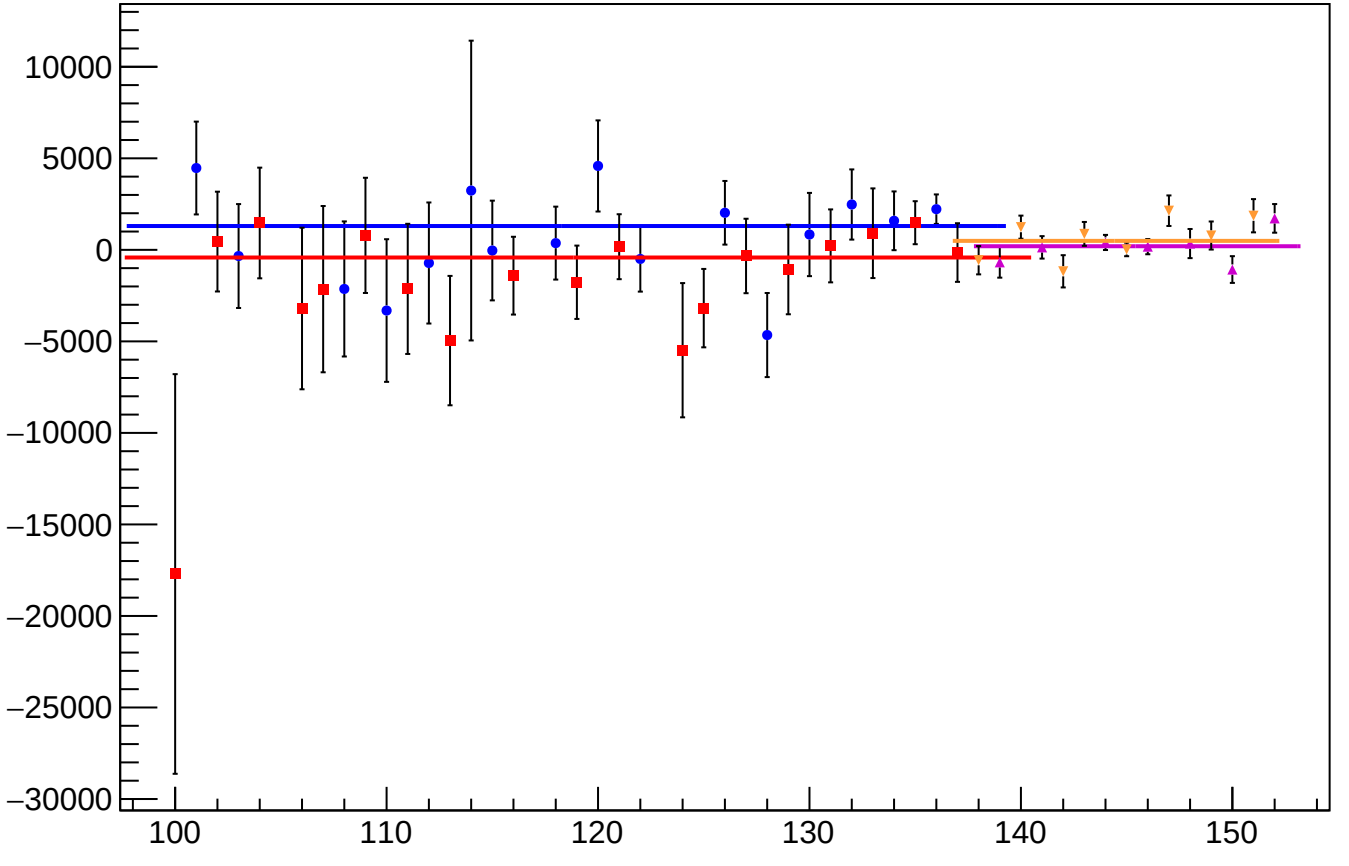
In: -331.374+/-198.204 χ^2/NDF:29.6/22

Out: -273.850+/-197.609 χ^2/NDF:32.0/26

All: -302.526+/-139.941 χ^2/NDF: 61.6/49


asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
Right In: 1224.470+/-0.347 χ²/NDF: 1959341.1/15
Left Out: 498.776+/-0.151 χ²/NDF:1364952.7/7
Right Out: 1332.784+/-0.370 χ²/NDF: 1994794.3/18
Left In: 504.197+/-0.153 χ²/NDF:1046560.9/6
Left: 501.446+/-0.107 χ²/NDF: 2412149.5/14
Right: 1275.168+/-0.253 χ²/NDF: 3999620.7/34
In: 621.385+/-0.140 χ²/NDF:6603925.1/22
Out: 617.462+/-0.140 χ²/NDF:7708010.0/26
All: 619.417+/-0.099 χ²/NDF: 14312328.1/49

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: 197.242+/-219.251 χ^2/NDF:8.2/6

Left: 338.933+/-157.638 χ^2/NDF: 24.2/14

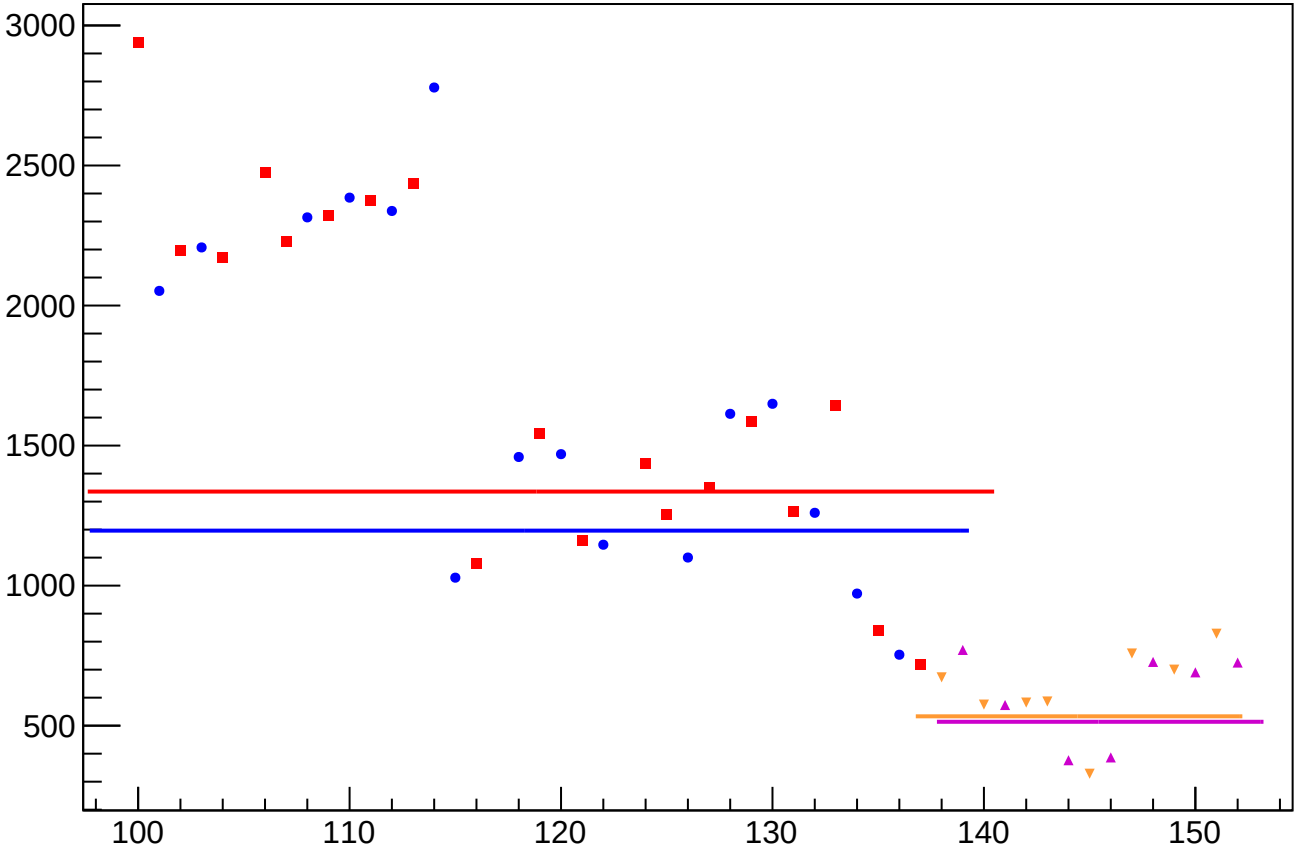
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 386.604+/-199.571 χ^2/NDF:29.0/22

Out: 347.393+/-208.179 χ^2/NDF:30.7/26

All: 367.826+/-144.065 χ^2/NDF: 59.7/49

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: 513.858+/-0.155 χ^2/NDF:1021513.1/6

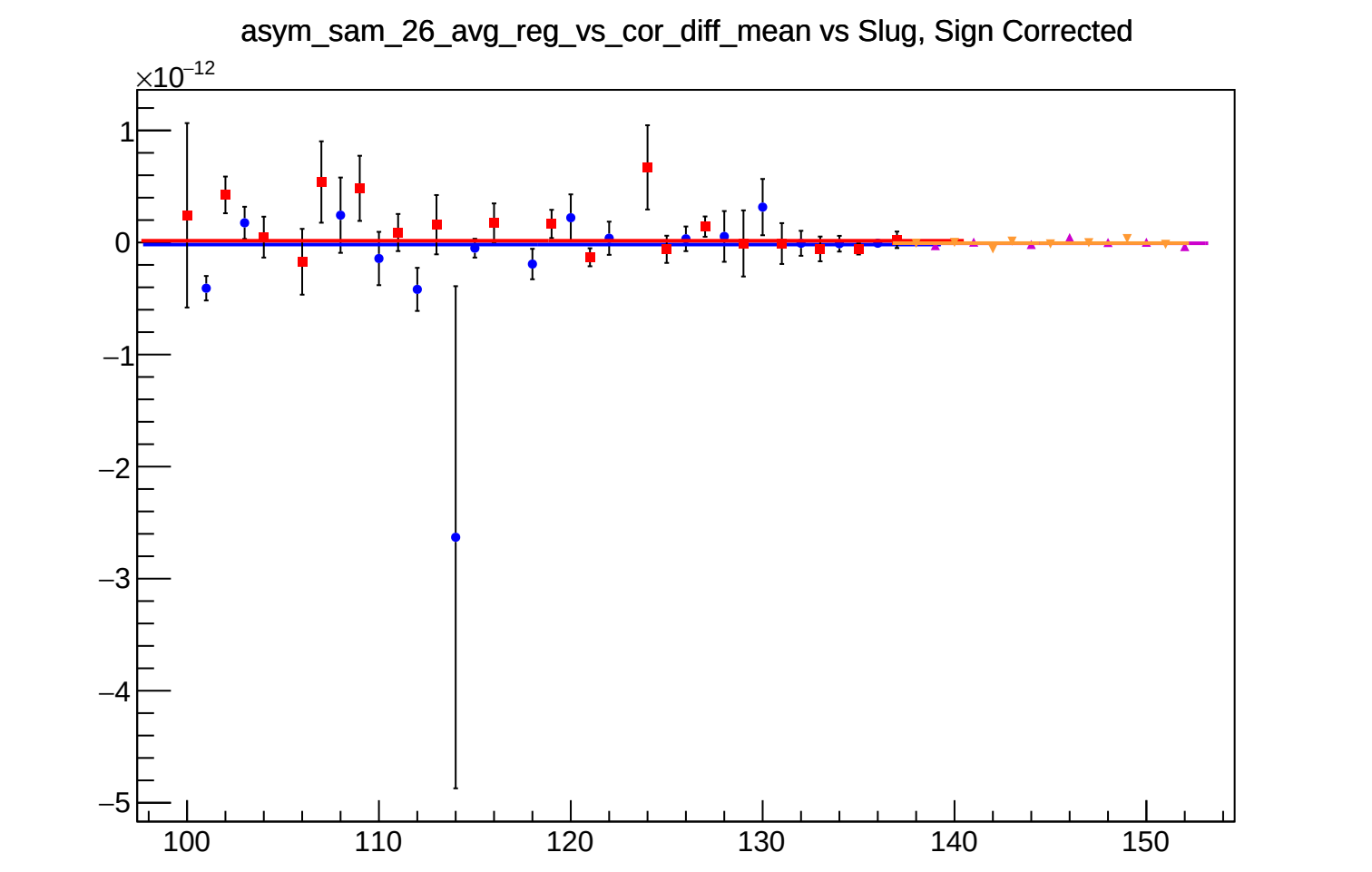
Left: 523.274+/-0.111 χ^2/NDF: 2182418.1/14

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 630.881+/-0.141 χ^2/NDF:6376149.7/22

Out: 659.761+/-0.147 χ^2/NDF:7048529.7/26

All: 644.712+/-0.102 χ^2/NDF: 13444735.9/49



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:10.8/6

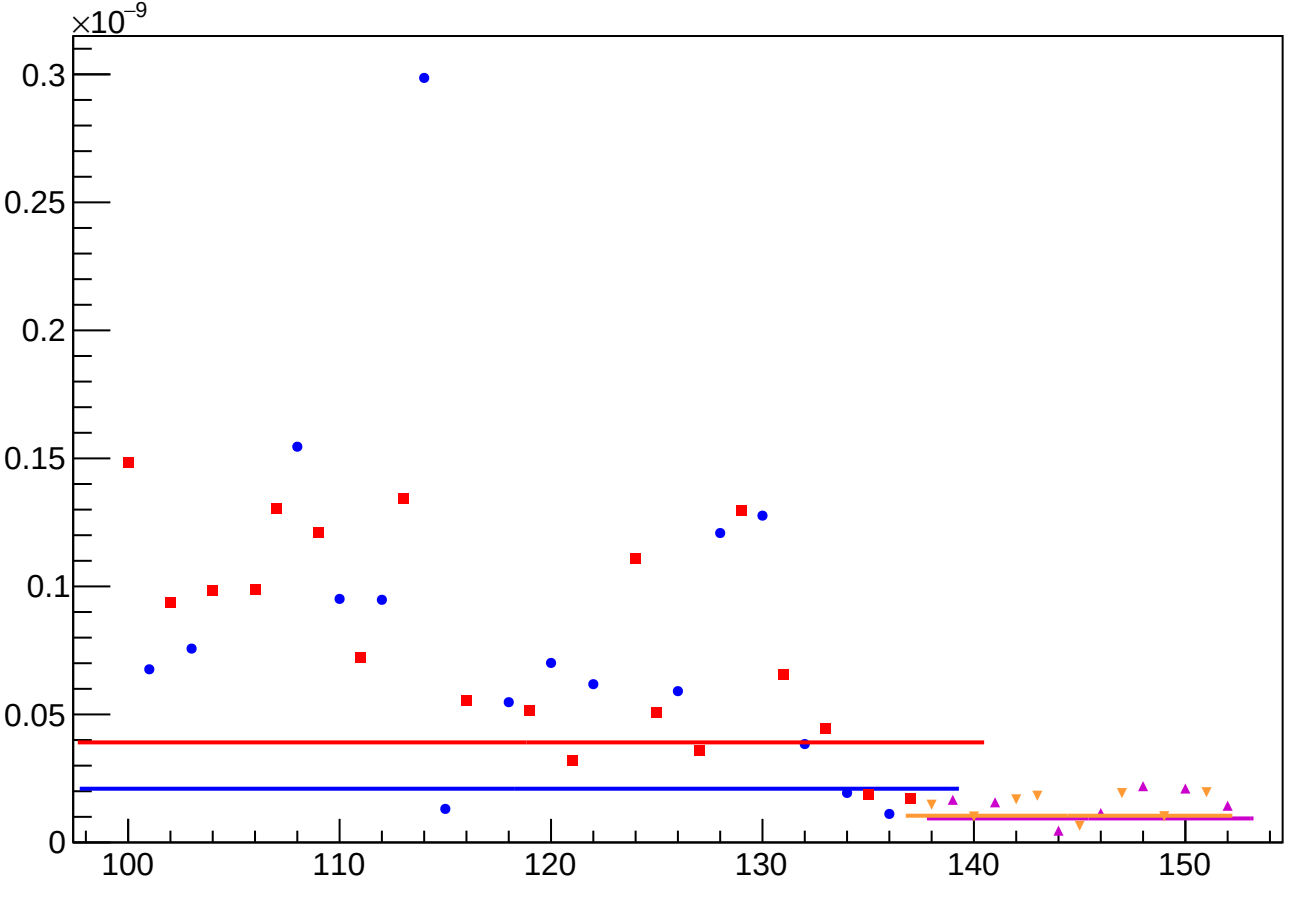
Left: -0.000+/-0.000 χ^2/NDF: 16.9/14

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:37.9/22

Out: -0.000+/-0.000 χ^2/NDF:32.3/26

All: -0.000+/-0.000 χ^2/NDF: 70.4/49



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:1343966.3/6

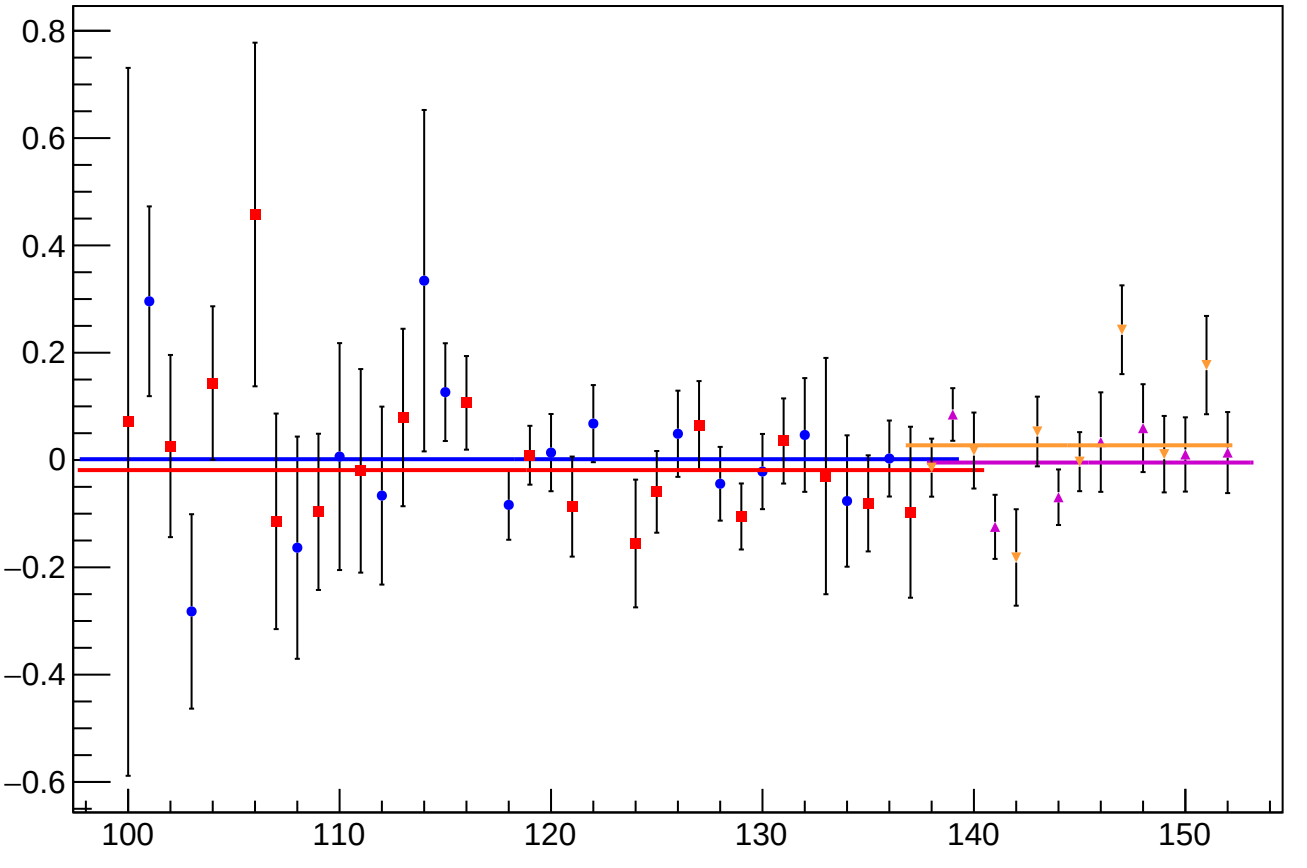
Left: 0.000+/-0.000 χ^2/NDF: 2182311.4/14

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:5457992.3/22

Out: 0.000+/-0.000 χ^2/NDF:4906616.6/26

All: 0.000+/-0.000 χ^2/NDF: 10402035.9/49



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: -0.005+/-0.024 χ^2/NDF:9.8/6

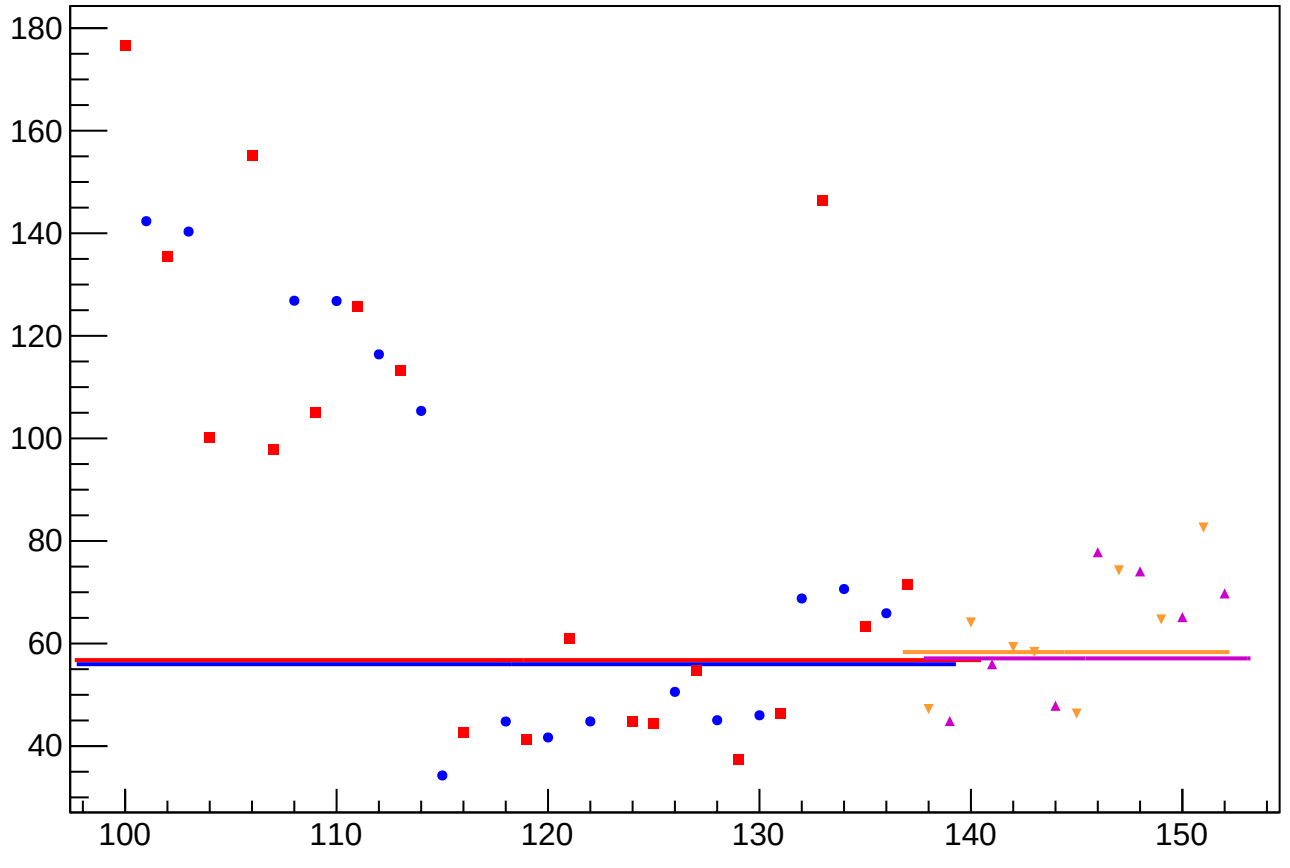
Left: 0.011+/-0.017 χ^2/NDF: 26.7/14

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.001+/-0.017 χ^2/NDF:22.9/22

Out: 0.004+/-0.017 χ^2/NDF:30.9/26

All: 0.001+/-0.012 χ^2/NDF: 53.9/49



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: 57.102+/-0.017 χ^2/NDF:457393.6/6

Left: 57.712+/-0.012 χ^2/NDF: 883763.2/14

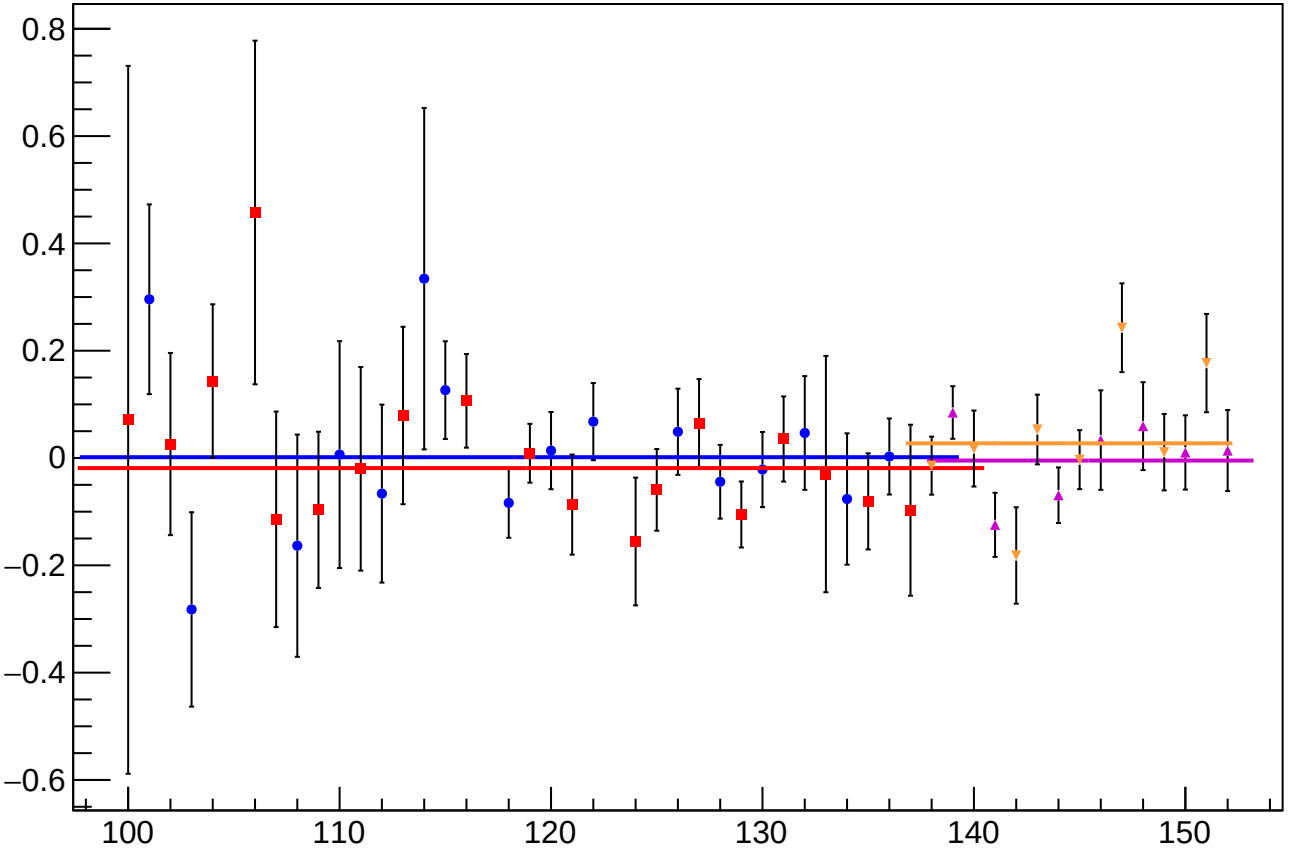
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.518+/-0.012 χ^2/NDF:2639497.4/22

Out: 57.525+/-0.012 χ^2/NDF:2981277.3/26

All: 57.019+/-0.008 χ^2/NDF: 5624346.9/49

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.027+/-0.024 χ^2/NDF:16.0/7

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.005+/-0.024 χ^2/NDF:9.8/6

Left: 0.011+/-0.017 χ^2/NDF: 26.7/14

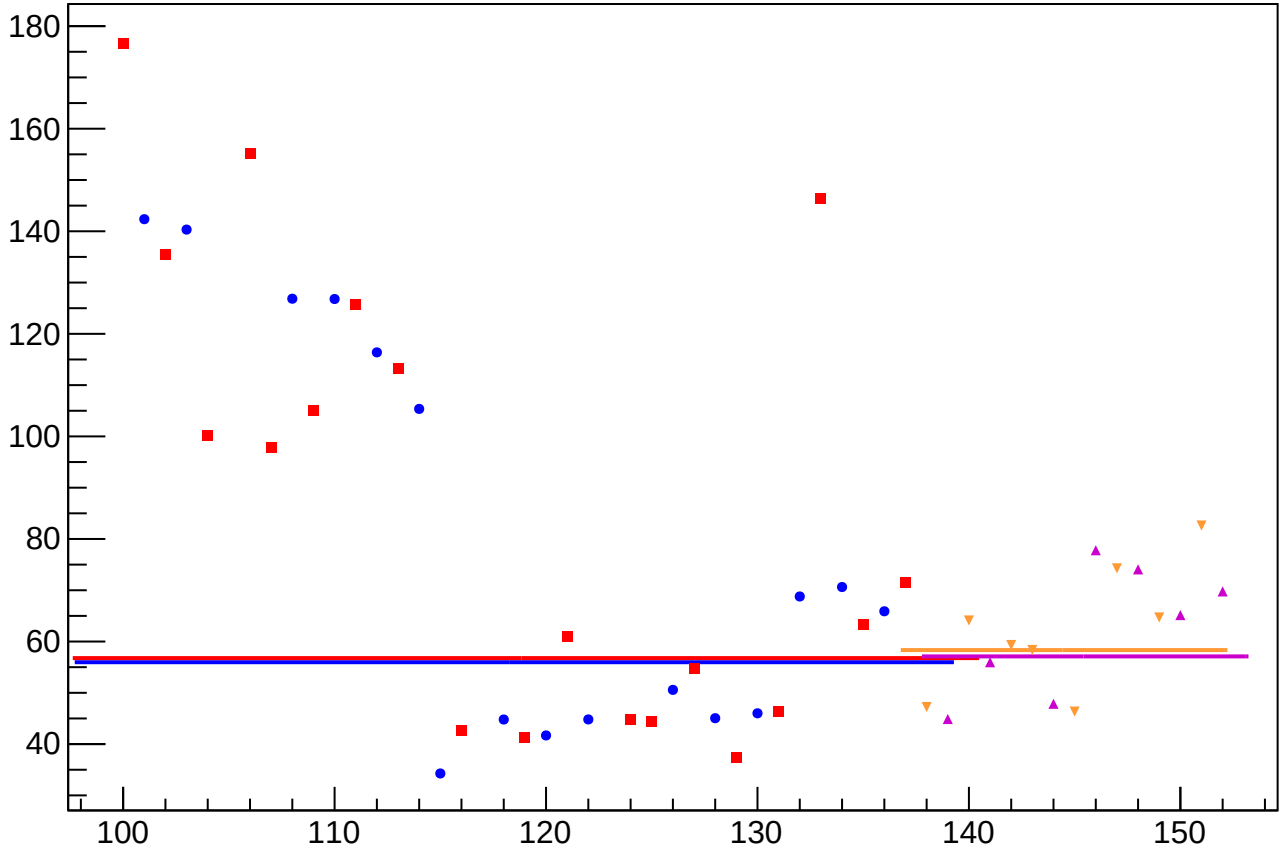
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.001+/-0.017 χ^2/NDF:22.9/22

Out: 0.004+/-0.017 χ^2/NDF:30.9/26

All: 0.001+/-0.012 χ^2/NDF: 53.9/49

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: 57.102+/-0.017 χ^2/NDF:457393.6/6

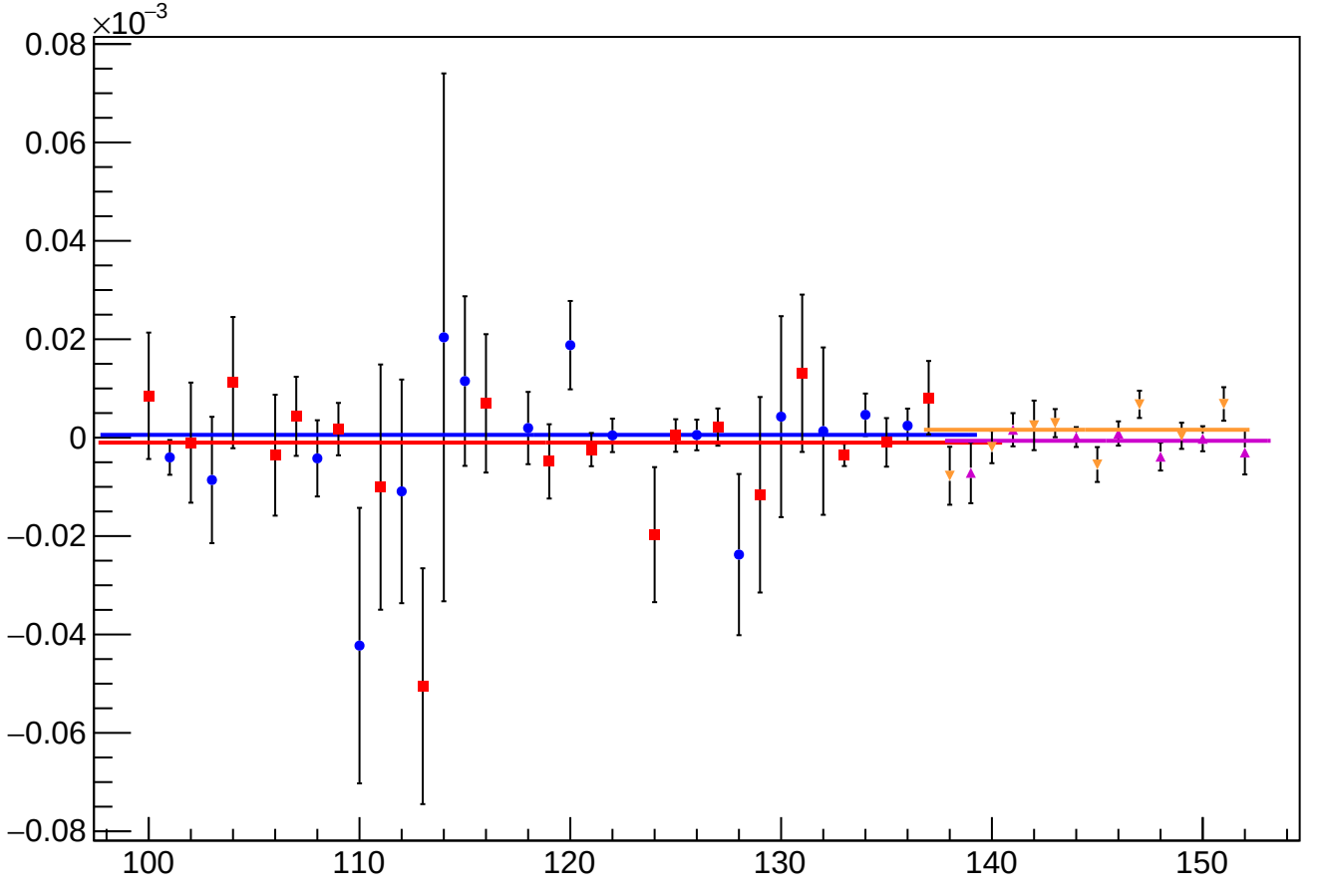
Left: 57.712+/-0.012 χ^2/NDF: 883763.2/14

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.518+/-0.012 χ^2/NDF:2639497.4/22

Out: 57.525+/-0.012 χ^2/NDF:2981277.3/26

All: 57.019+/-0.008 χ^2/NDF: 5624346.9/49



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:3.7/6

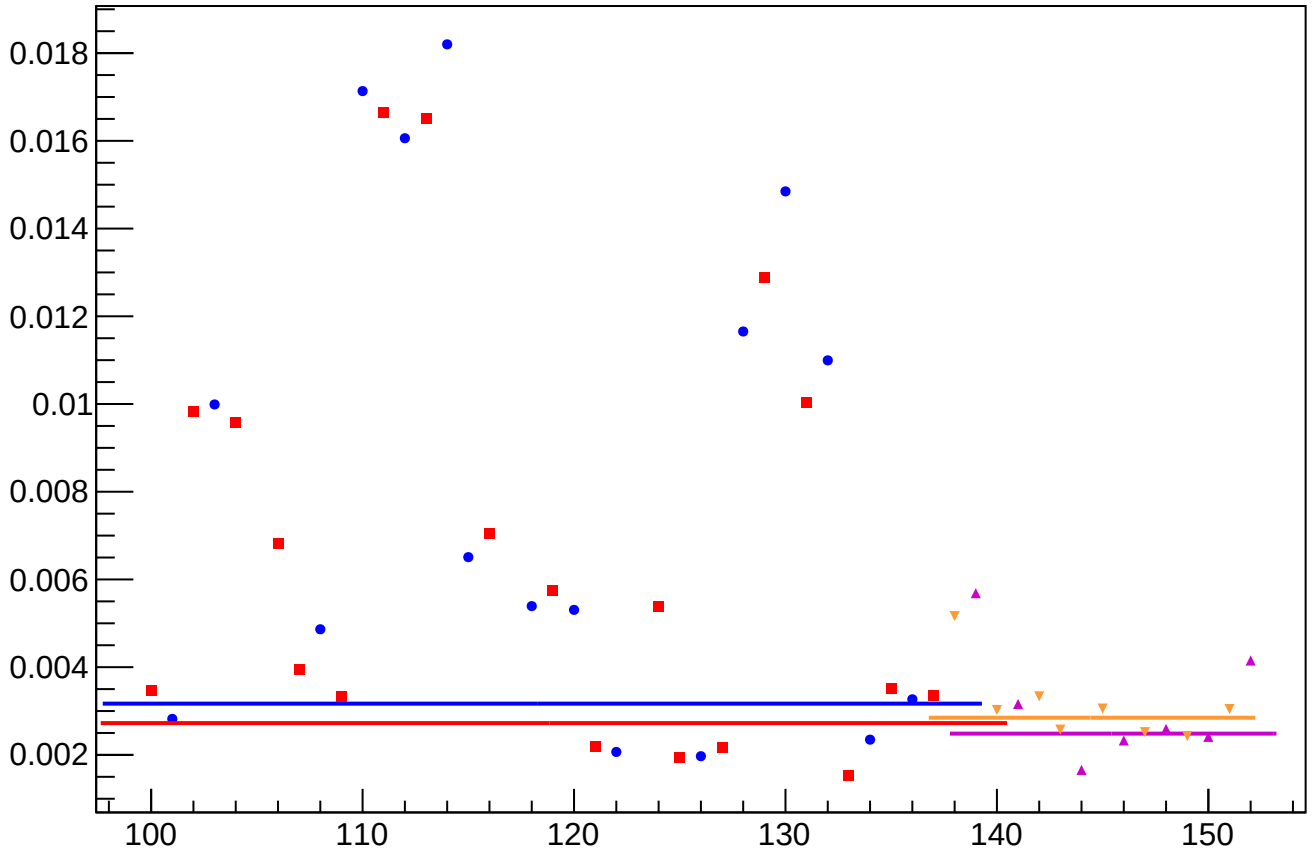
Left: 0.000+/-0.000 χ^2/NDF: 19.5/14

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:17.4/22

Out: 0.000+/-0.000 χ^2/NDF:30.0/26

All: 0.000+/-0.000 χ^2/NDF: 47.6/49



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:1243271.3/6

Left: 0.003+/-0.000 χ^2/NDF: 1789134.0/14

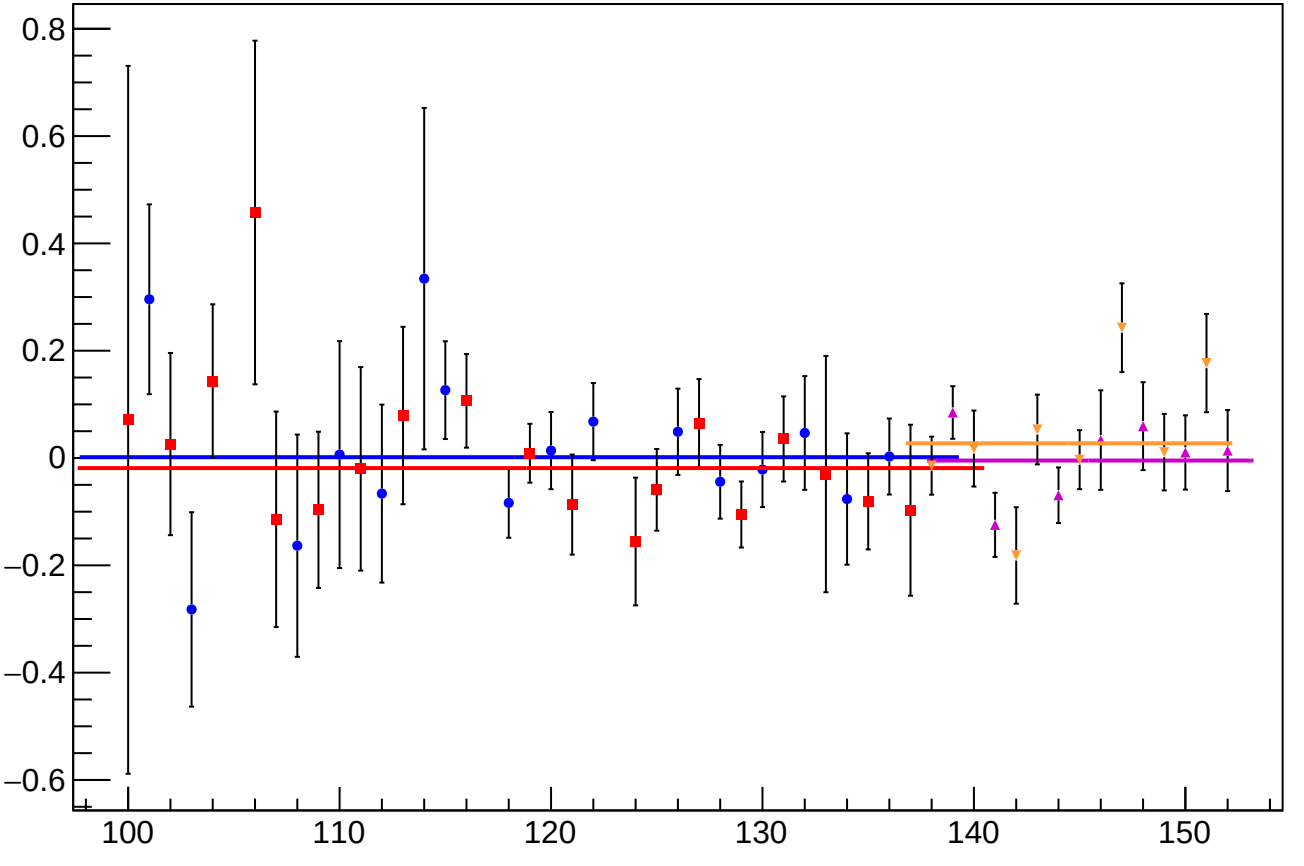
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:6074872.9/22

Out: 0.003+/-0.000 χ^2/NDF:5606416.1/26

All: 0.003+/-0.000 χ^2/NDF: 11686200.9/49

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.027+/-0.024 χ^2/NDF:16.0/7

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.005+/-0.024 χ^2/NDF:9.8/6

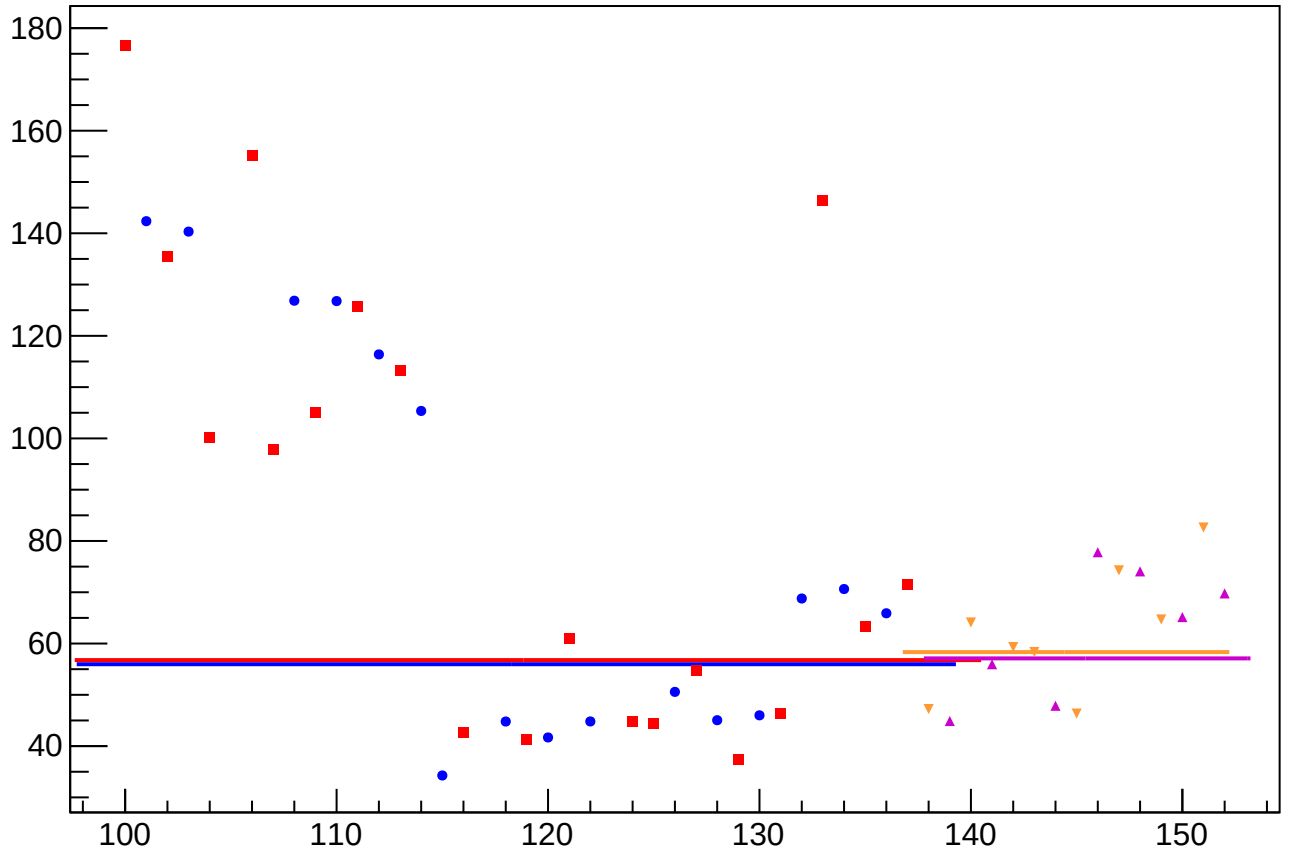
Left: 0.011+/-0.017 χ^2/NDF: 26.7/14

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.001+/-0.017 χ^2/NDF:22.9/22

Out: 0.004+/-0.017 χ^2/NDF:30.9/26

All: 0.001+/-0.012 χ^2/NDF: 53.9/49



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: 57.103+/-0.017 χ^2/NDF:457387.0/6

Left: 57.713+/-0.012 χ^2/NDF: 883754.7/14

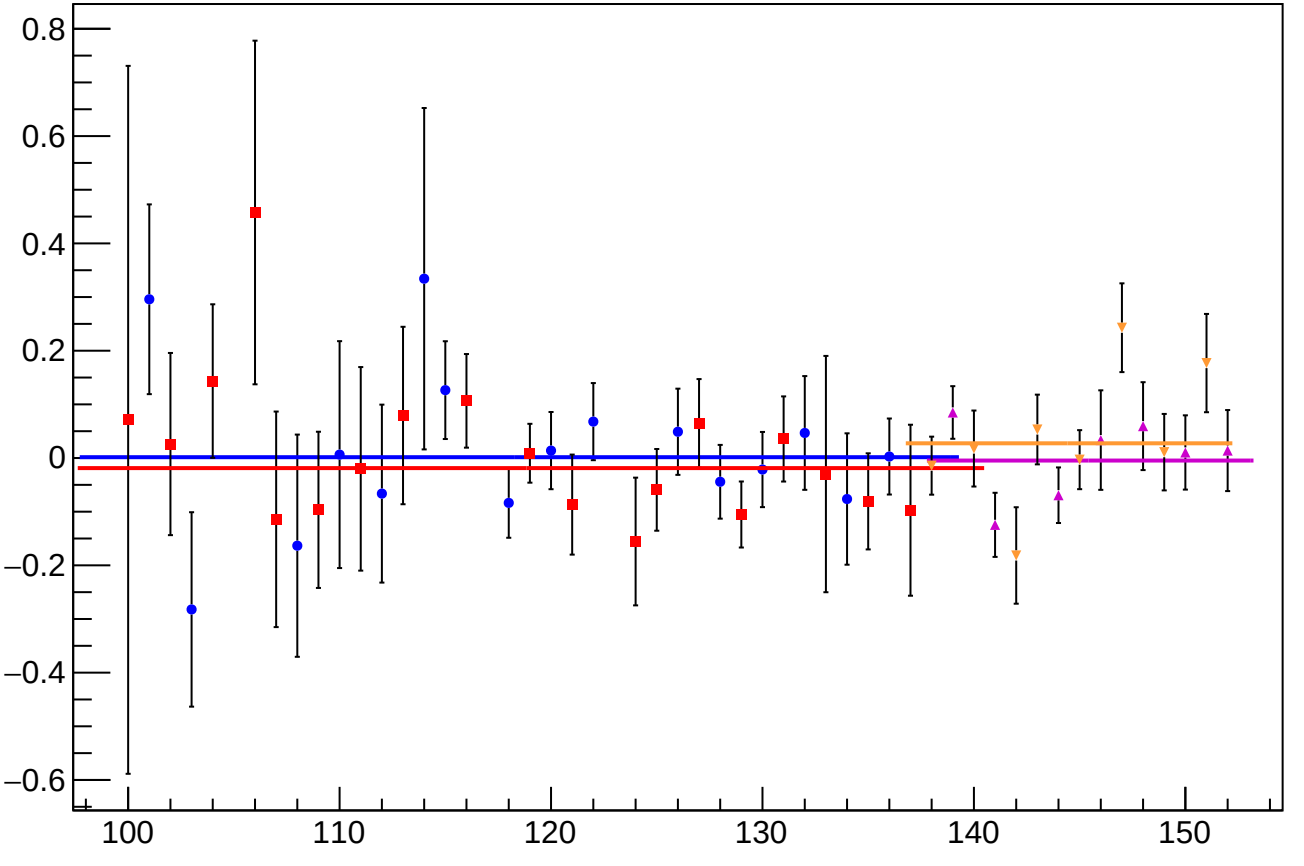
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.519+/-0.012 χ^2/NDF:2639423.4/22

Out: 57.525+/-0.012 χ^2/NDF:2981227.5/26

All: 57.019+/-0.008 χ^2/NDF: 5624222.3/49

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: -0.005+/-0.024 χ^2/NDF:9.8/6

Left: 0.011+/-0.017 χ^2/NDF: 26.7/14

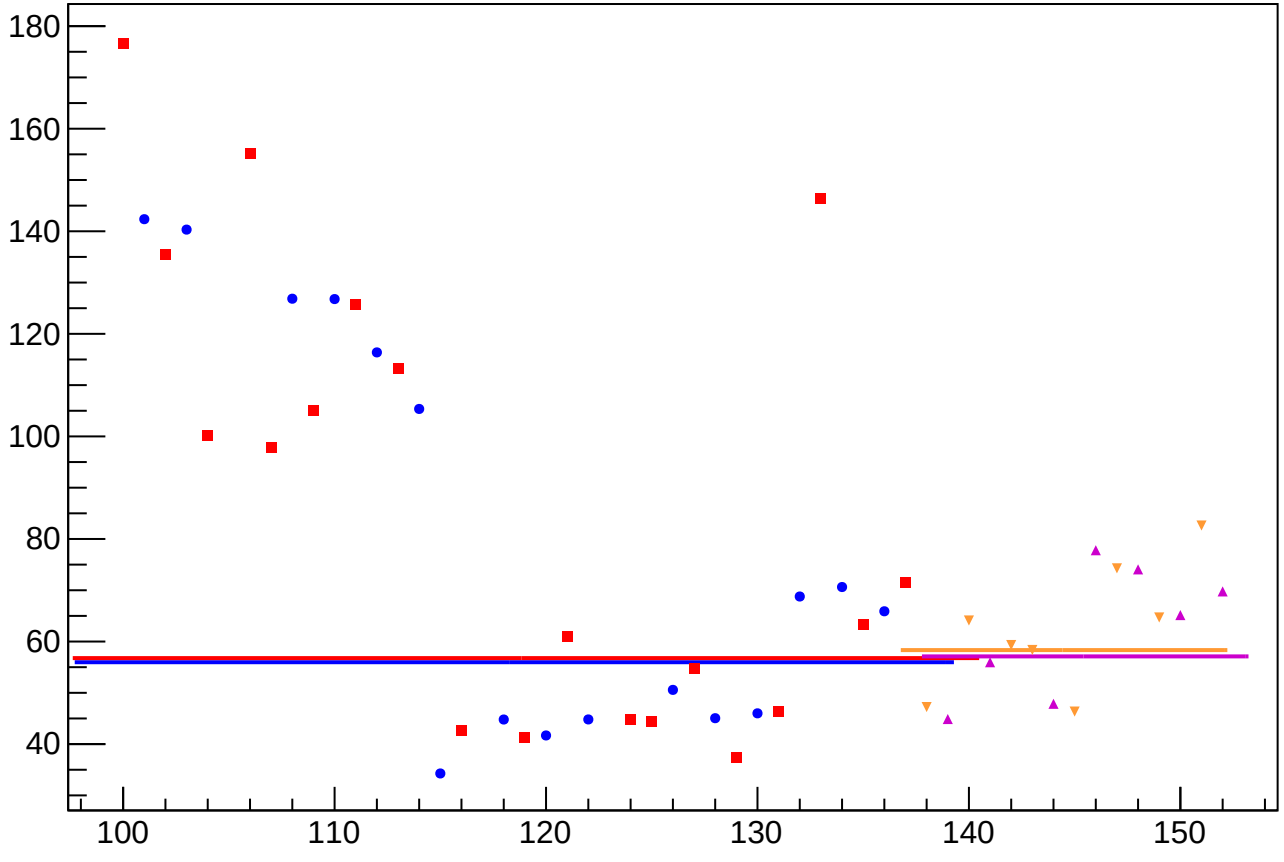
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.001+/-0.017 χ^2/NDF:22.9/22

Out: 0.004+/-0.017 χ^2/NDF:30.9/26

All: 0.001+/-0.012 χ^2/NDF: 53.9/49

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: 57.103+/-0.017 χ^2/NDF:457387.0/6

Left: 57.713+/-0.012 χ^2/NDF: 883754.7/14

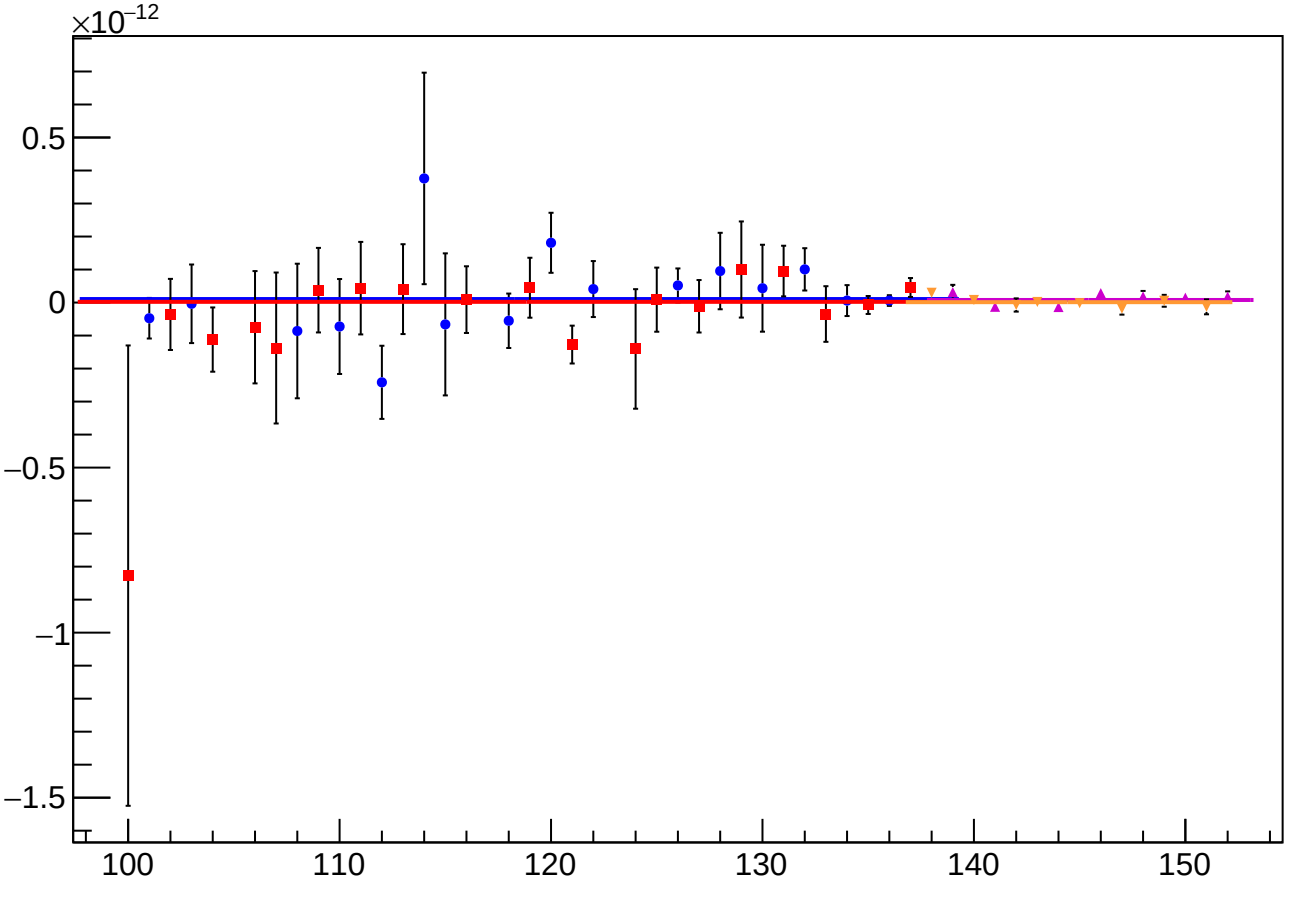
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.519+/-0.012 χ^2/NDF:2639423.4/22

Out: 57.525+/-0.012 χ^2/NDF:2981227.5/26

All: 57.019+/-0.008 χ^2/NDF: 5624222.3/49

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/6

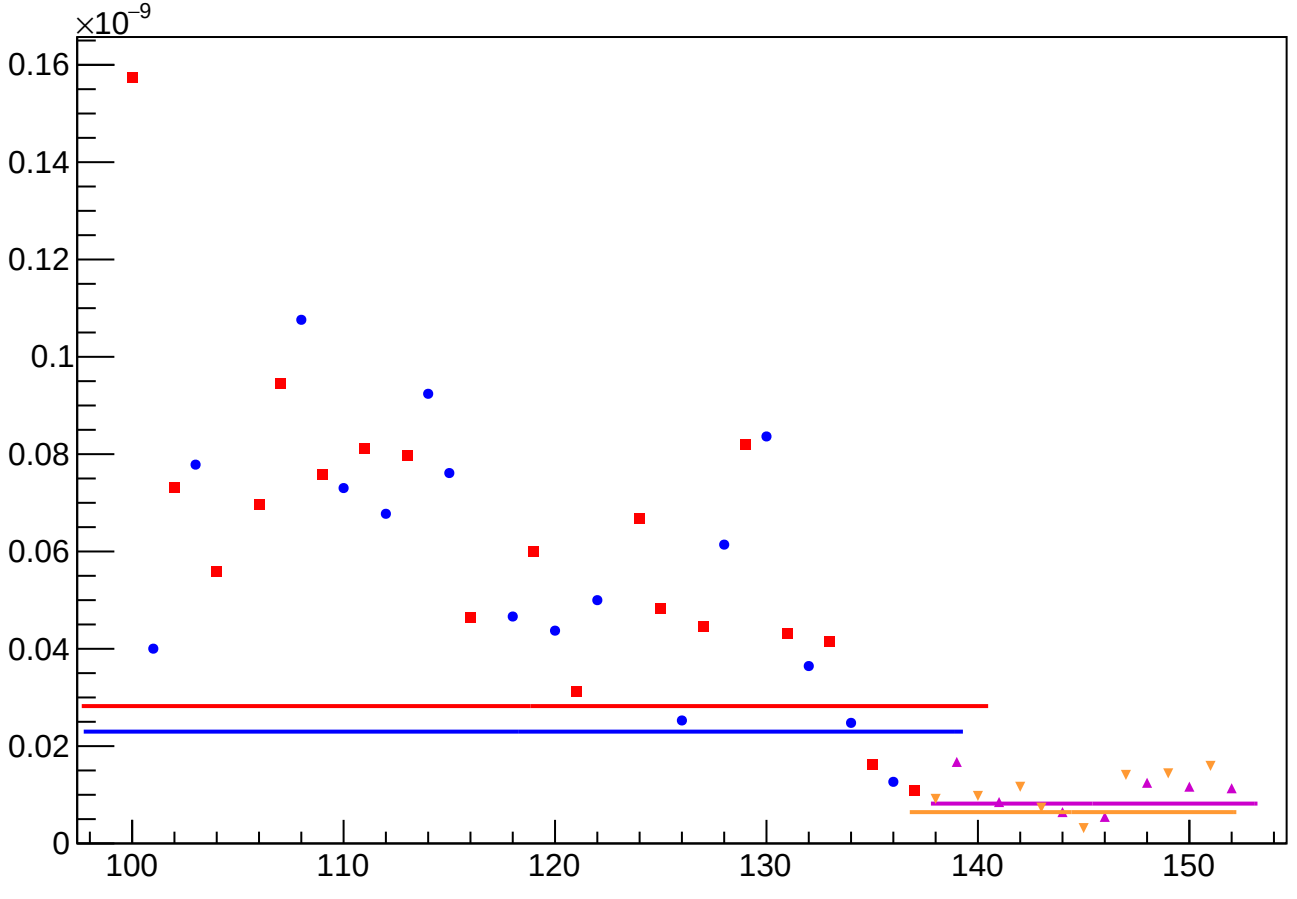
Left: 0.000+/-0.000 χ^2/NDF: 26.6/14

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:34.0/22

Out: 0.000+/-0.000 χ^2/NDF:21.3/26

All: 0.000+/-0.000 χ^2/NDF: 56.8/49



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:929131.5/6

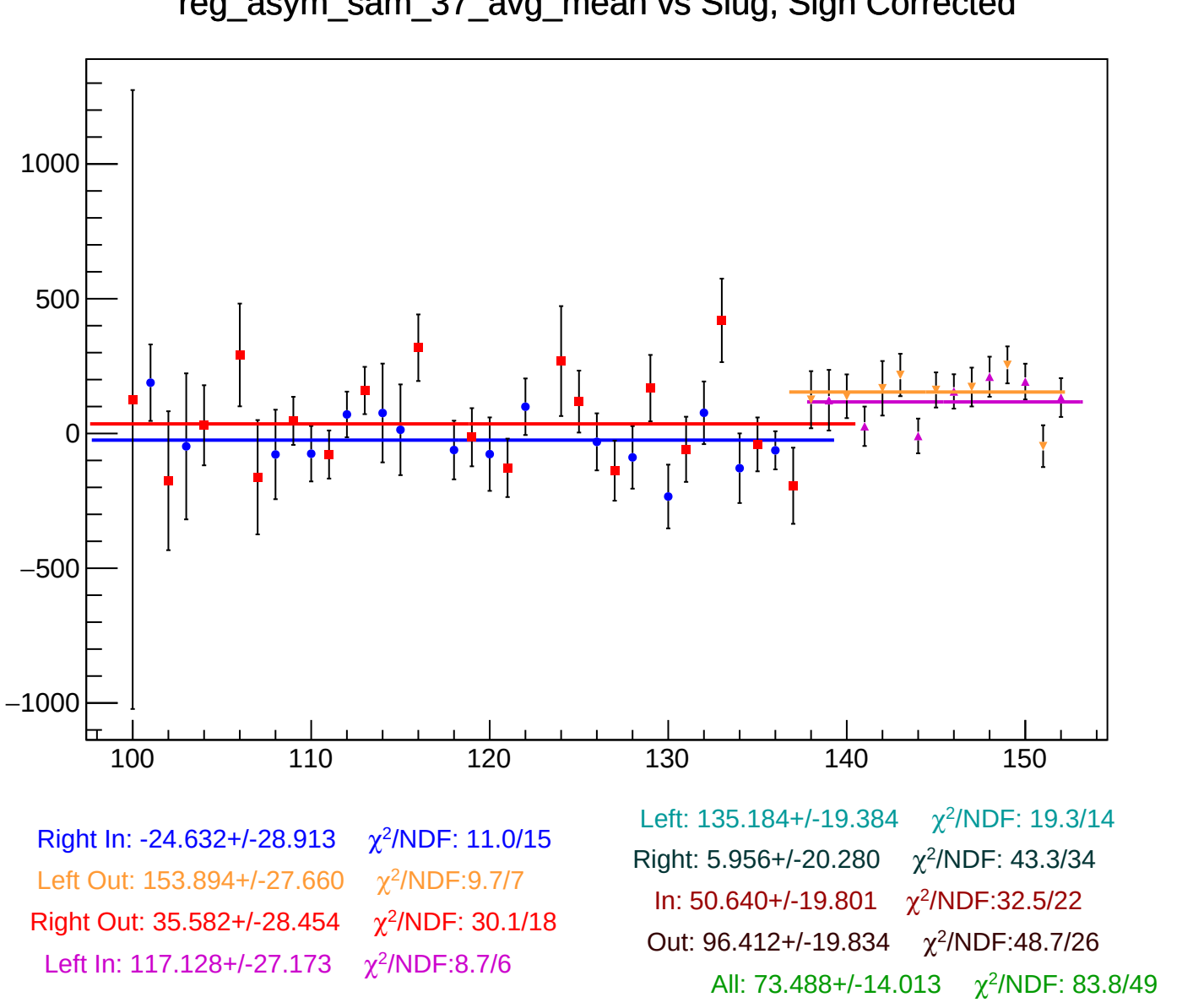
Left: 0.000+/-0.000 χ^2/NDF: 3435941.5/14

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

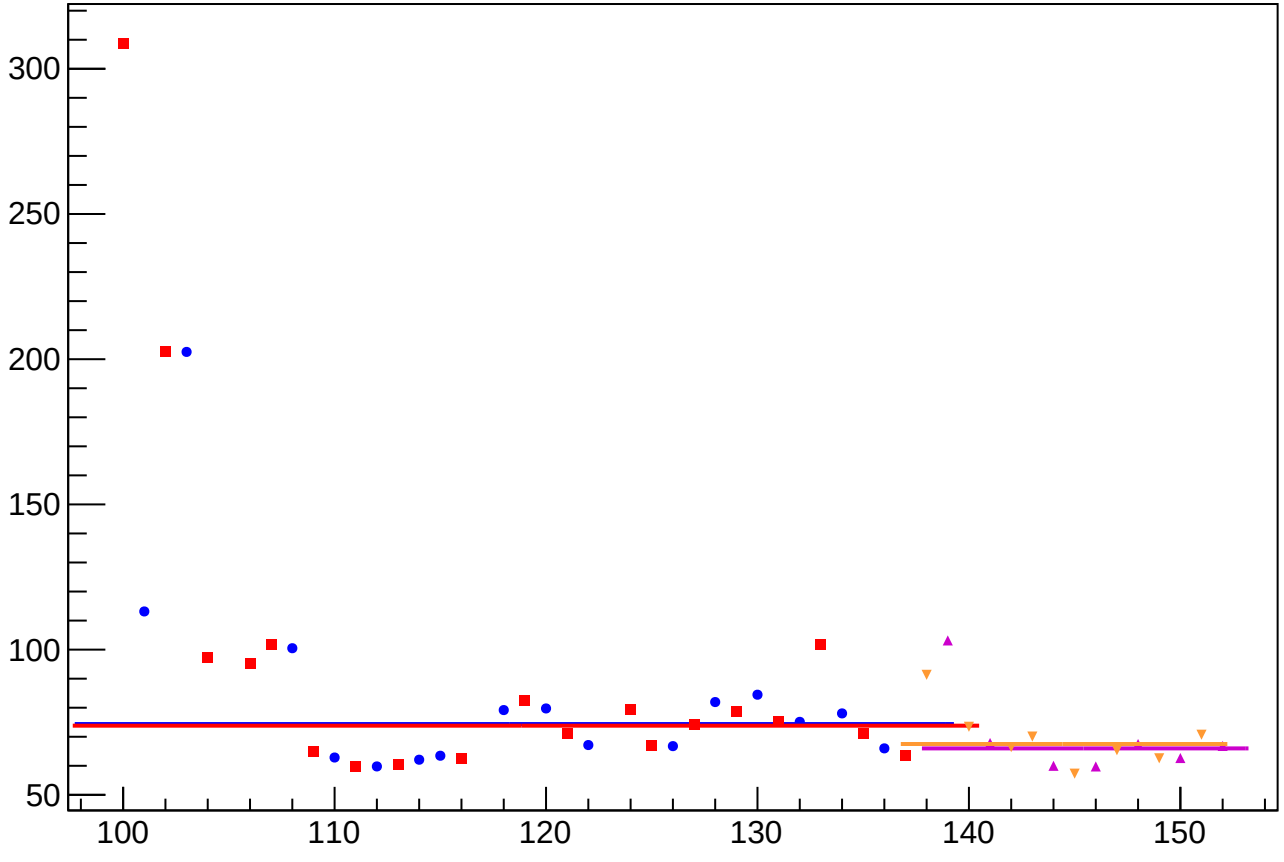
In: 0.000+/-0.000 χ^2/NDF:6991683.3/22

Out: 0.000+/-0.000 χ^2/NDF:9878214.6/26

All: 0.000+/-0.000 χ^2/NDF: 17154102.9/49


reg_asym_sam_37_avg_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: -24.632+/-28.913 χ²/NDF: 11.0/15
Left Out: 153.894+/-27.660 χ²/NDF:9.7/7
Right Out: 35.582+/-28.454 χ²/NDF: 30.1/18
Left In: 117.128+/-27.173 χ²/NDF:8.7/6
Left: 135.184+/-19.384 χ²/NDF: 19.3/14
Right: 5.956+/-20.280 χ²/NDF: 43.3/34
In: 50.640+/-19.801 χ²/NDF:32.5/22
Out: 96.412+/-19.834 χ²/NDF:48.7/26
All: 73.488+/-14.013 χ²/NDF: 83.8/49

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: 65.988+/-0.019 χ^2/NDF:261997.5/6

Left: 66.733+/-0.014 χ^2/NDF: 443694.1/14

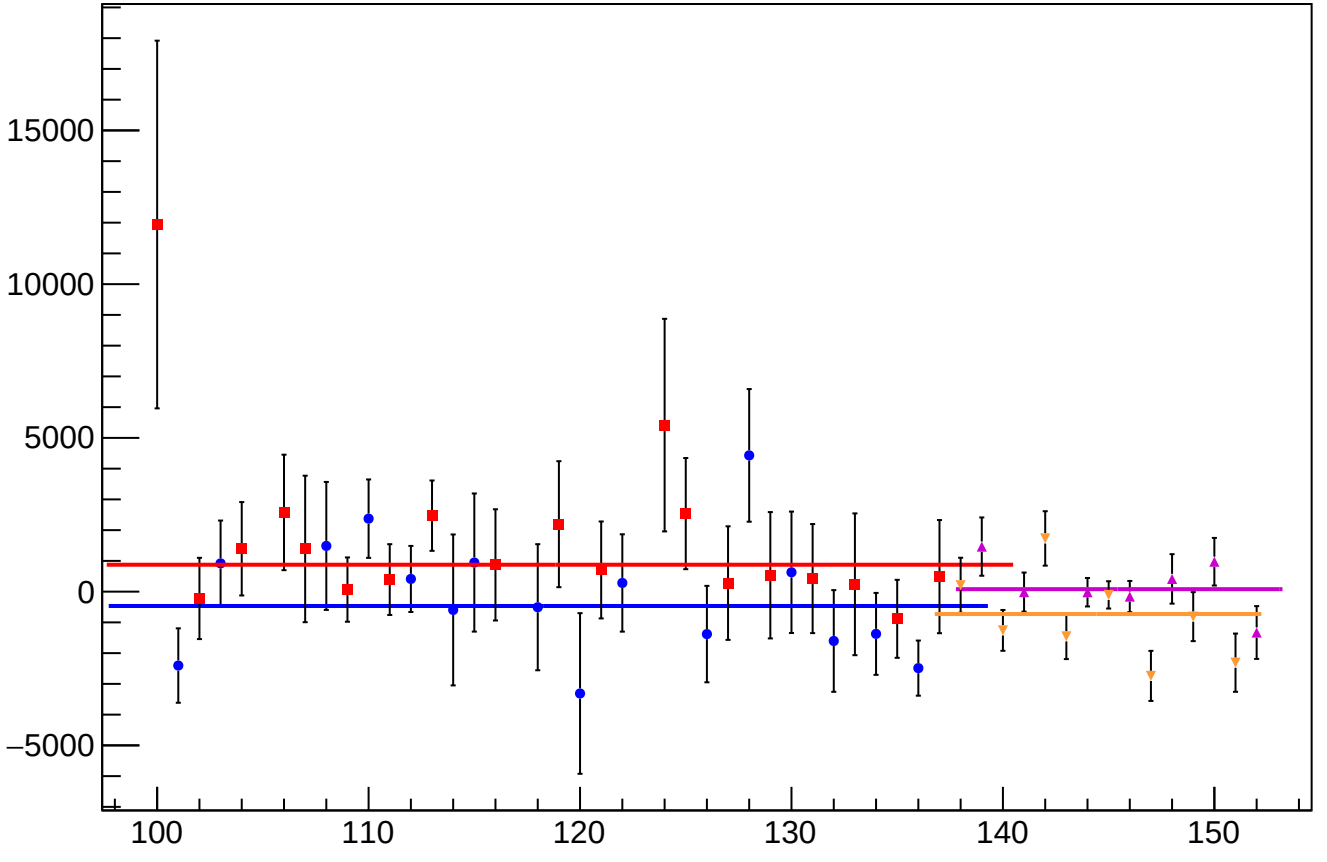
Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 69.919+/-0.014 χ^2/NDF:1178806.0/22

Out: 70.571+/-0.014 χ^2/NDF:1161151.2/26

All: 70.244+/-0.010 χ^2/NDF: 2341038.7/49

asym_sam_37_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -728.381+/-250.817 χ^2/NDF:21.3/7

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 80.591+/-244.729 χ^2/NDF:6.6/6

Left: -313.957+/-175.162 χ^2/NDF: 33.2/14

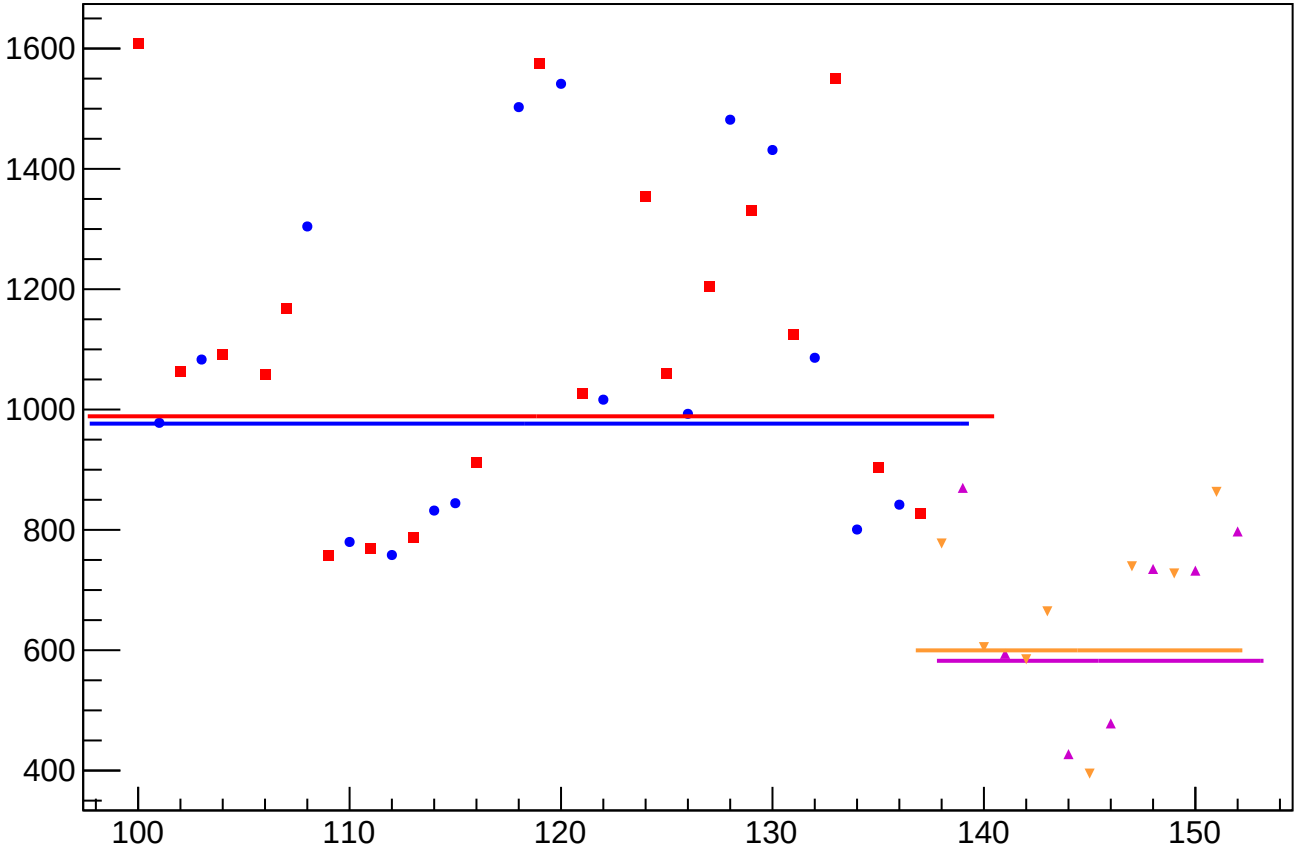
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -82.807+/-204.951 χ^2/NDF:31.8/22

Out: -227.615+/-208.005 χ^2/NDF:47.1/26

All: -154.141+/-145.990 χ^2/NDF: 79.2/49

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: 582.400+/-0.173 χ^2/NDF:765286.6/6

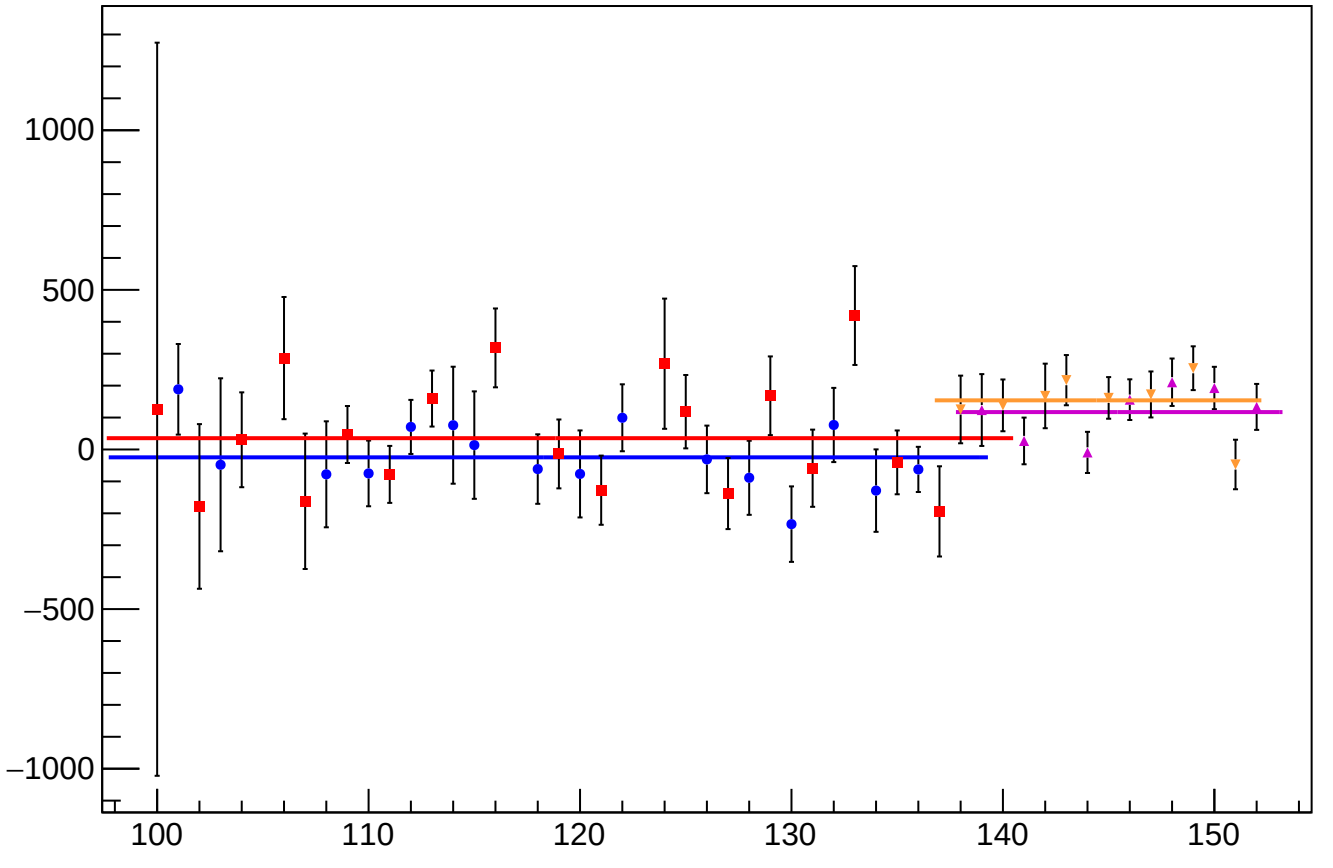
Left: 590.859+/-0.124 χ^2/NDF: 1555978.2/14

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 700.125+/-0.145 χ^2/NDF:3051509.0/22

Out: 721.215+/-0.147 χ^2/NDF:3003804.1/26

All: 710.514+/-0.103 χ^2/NDF: 6065746.3/49



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: 117.130+/-27.173 χ^2/NDF:8.7/6

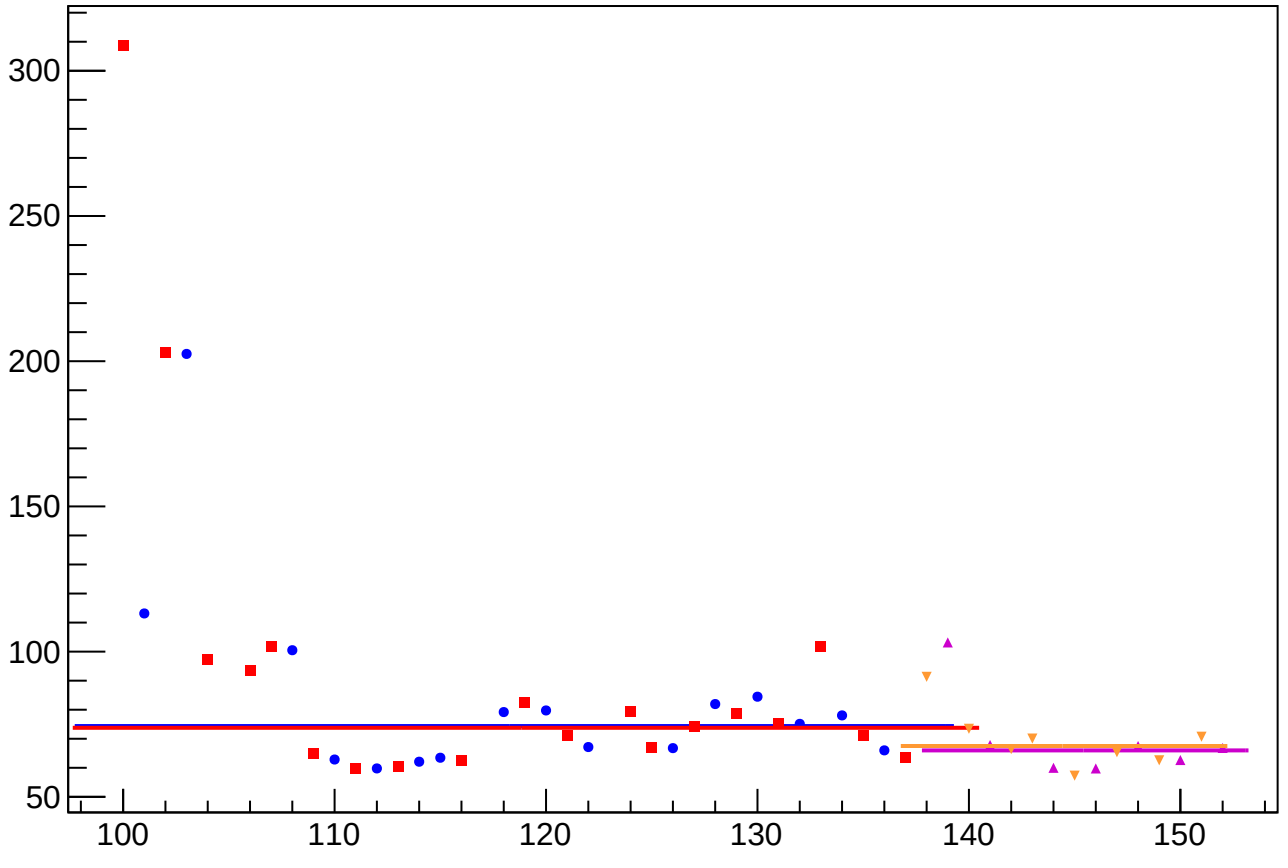
Left: 135.188+/-19.384 χ^2/NDF: 19.3/14

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 50.638+/-19.801 χ^2/NDF:32.5/22

Out: 96.323+/-19.835 χ^2/NDF:48.7/26

All: 73.442+/-14.013 χ^2/NDF: 83.8/49



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: 65.988+/-0.019 χ^2/NDF:261997.5/6

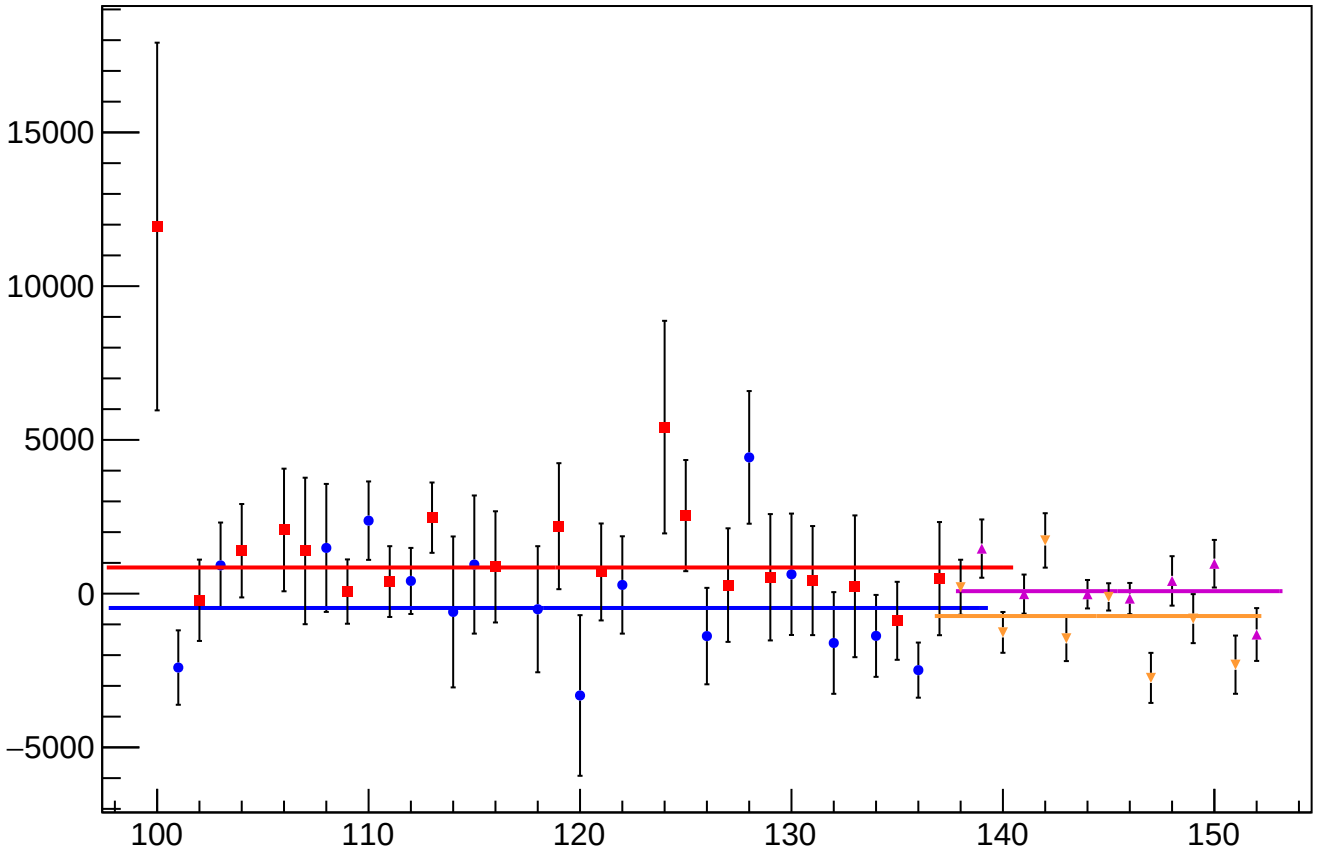
Left: 66.733+/-0.014 χ^2/NDF: 443694.1/14

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 69.919+/-0.014 χ^2/NDF:1178808.0/22

Out: 70.550+/-0.014 χ^2/NDF:1156692.1/26

All: 70.234+/-0.010 χ^2/NDF: 2336514.1/49



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: 80.595+/-244.729 χ^2/NDF:6.6/6

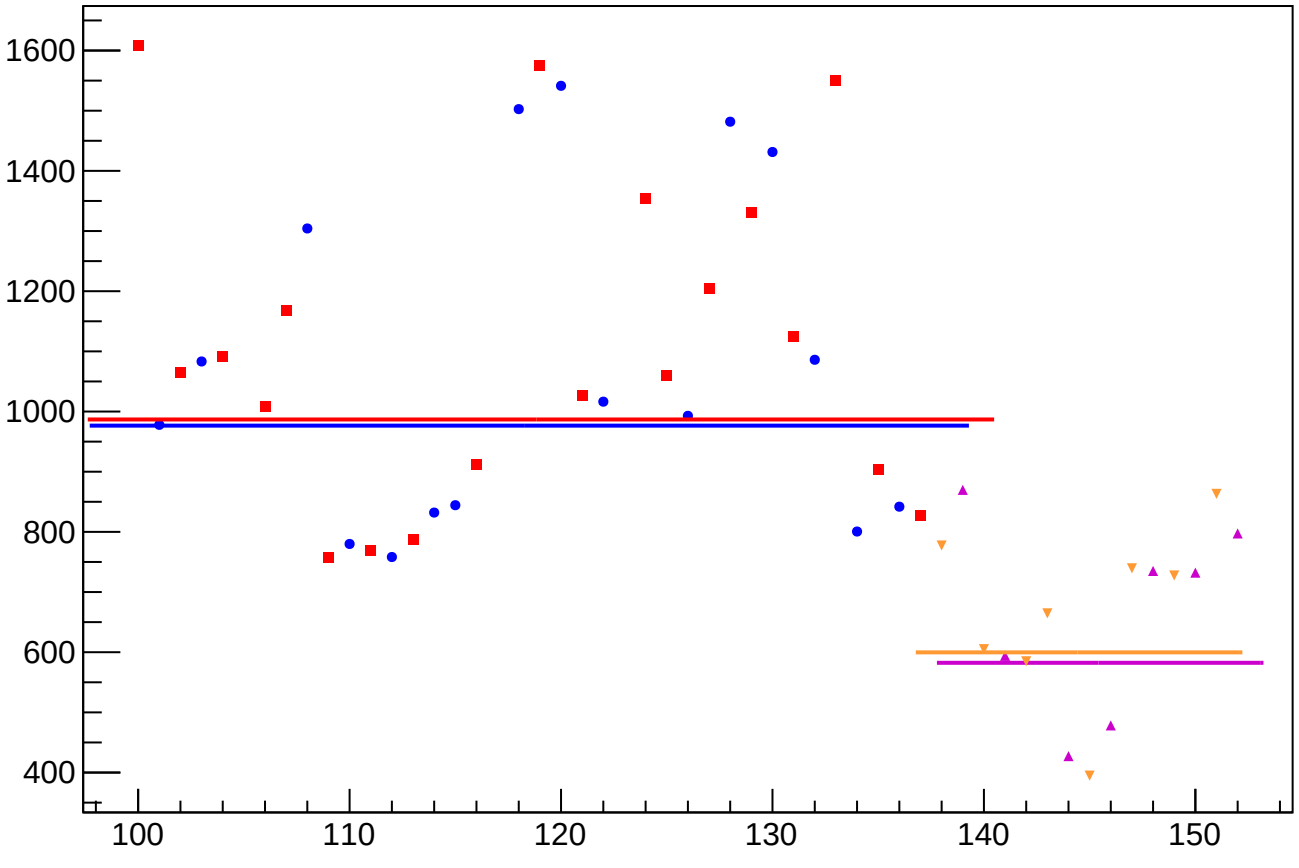
Left: -313.952+/-175.162 χ^2/NDF: 33.2/14

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -82.799+/-204.952 χ^2/NDF:31.8/22

Out: -236.843+/-208.153 χ^2/NDF:46.2/26

All: -158.627+/-146.042 χ^2/NDF: 78.3/49



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: 582.400+/-0.173 χ^2/NDF:765288.9/6

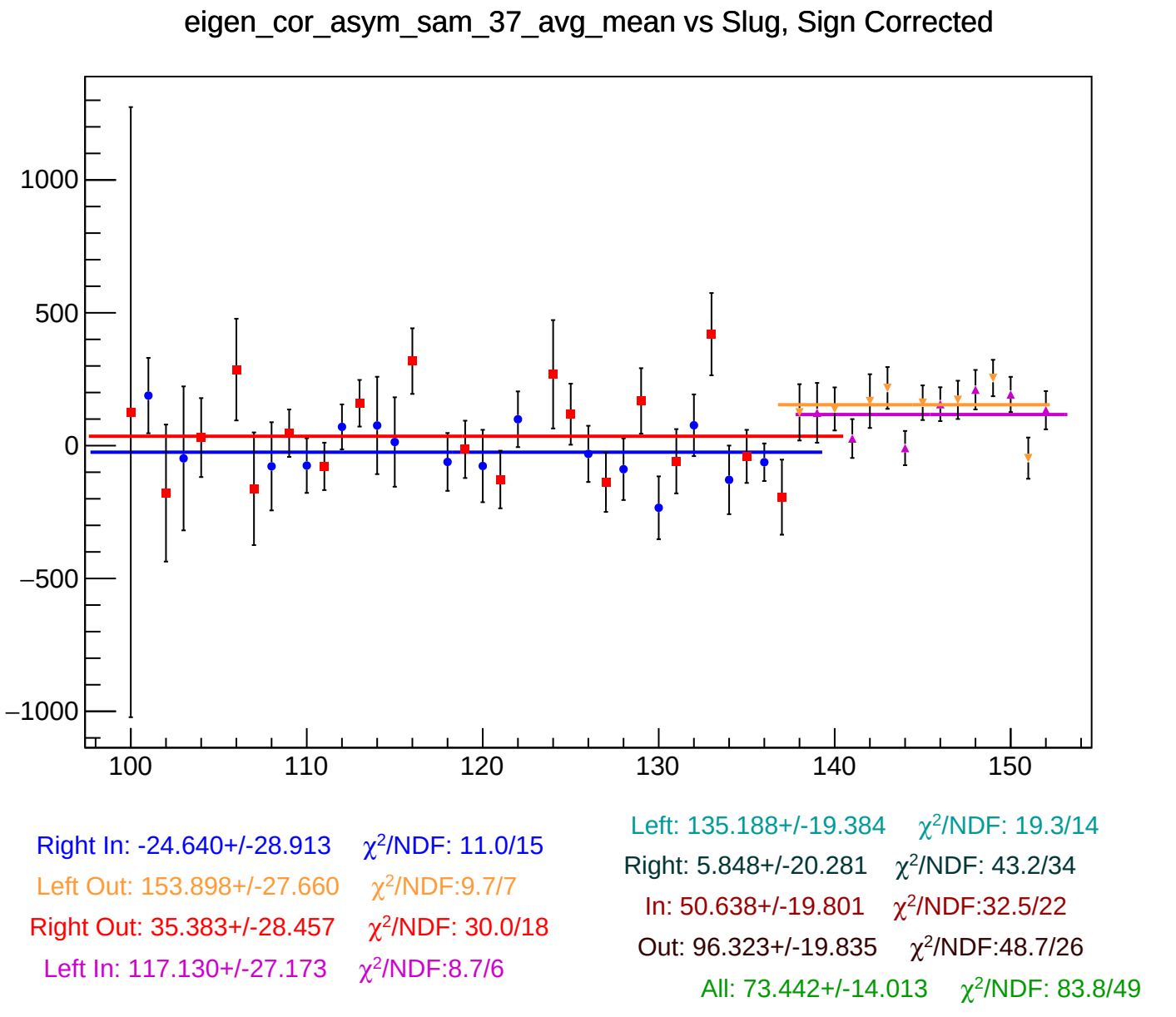
Left: 590.859+/-0.124 χ^2/NDF: 1555980.4/14

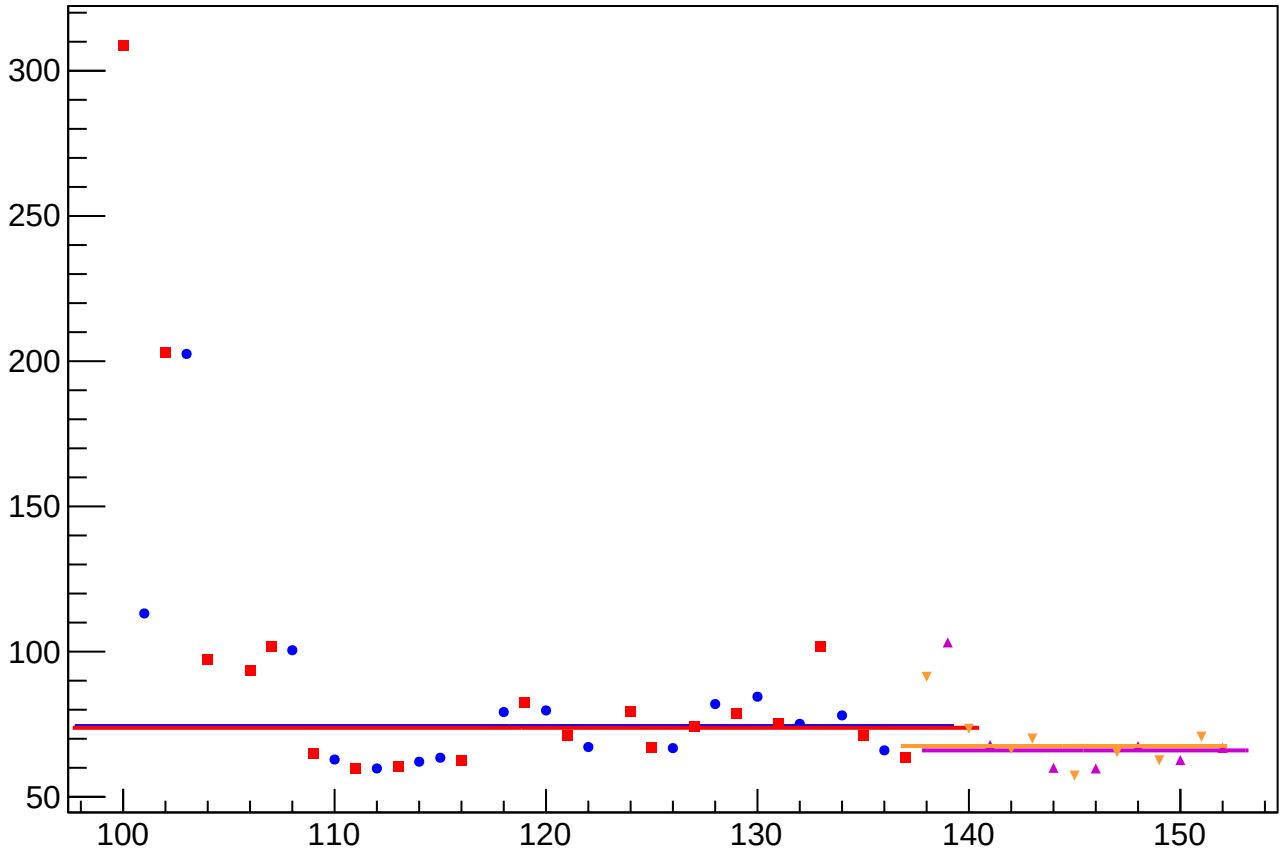
Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 700.125+/-0.145 χ^2/NDF:3051565.6/22

Out: 720.229+/-0.147 χ^2/NDF:2981792.7/26

All: 710.021+/-0.103 χ^2/NDF: 6042831.0/49


eigen_cor_asym_sam_37_avg_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: -24.640+/-28.913 χ²/NDF: 11.0/15
Left Out: 153.898+/-27.660 χ²/NDF:9.7/7
Right Out: 35.383+/-28.457 χ²/NDF: 30.0/18
Left In: 117.130+/-27.173 χ²/NDF:8.7/6
Left: 135.188+/-19.384 χ²/NDF: 19.3/14
Right: 5.848+/-20.281 χ²/NDF: 43.2/34
In: 50.638+/-19.801 χ²/NDF:32.5/22
Out: 96.323+/-19.835 χ²/NDF:48.7/26
All: 73.442+/-14.013 χ²/NDF: 83.8/49



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: 65.988+/-0.019 χ^2/NDF:261997.5/6

Left: 66.733+/-0.014 χ^2/NDF: 443694.1/14

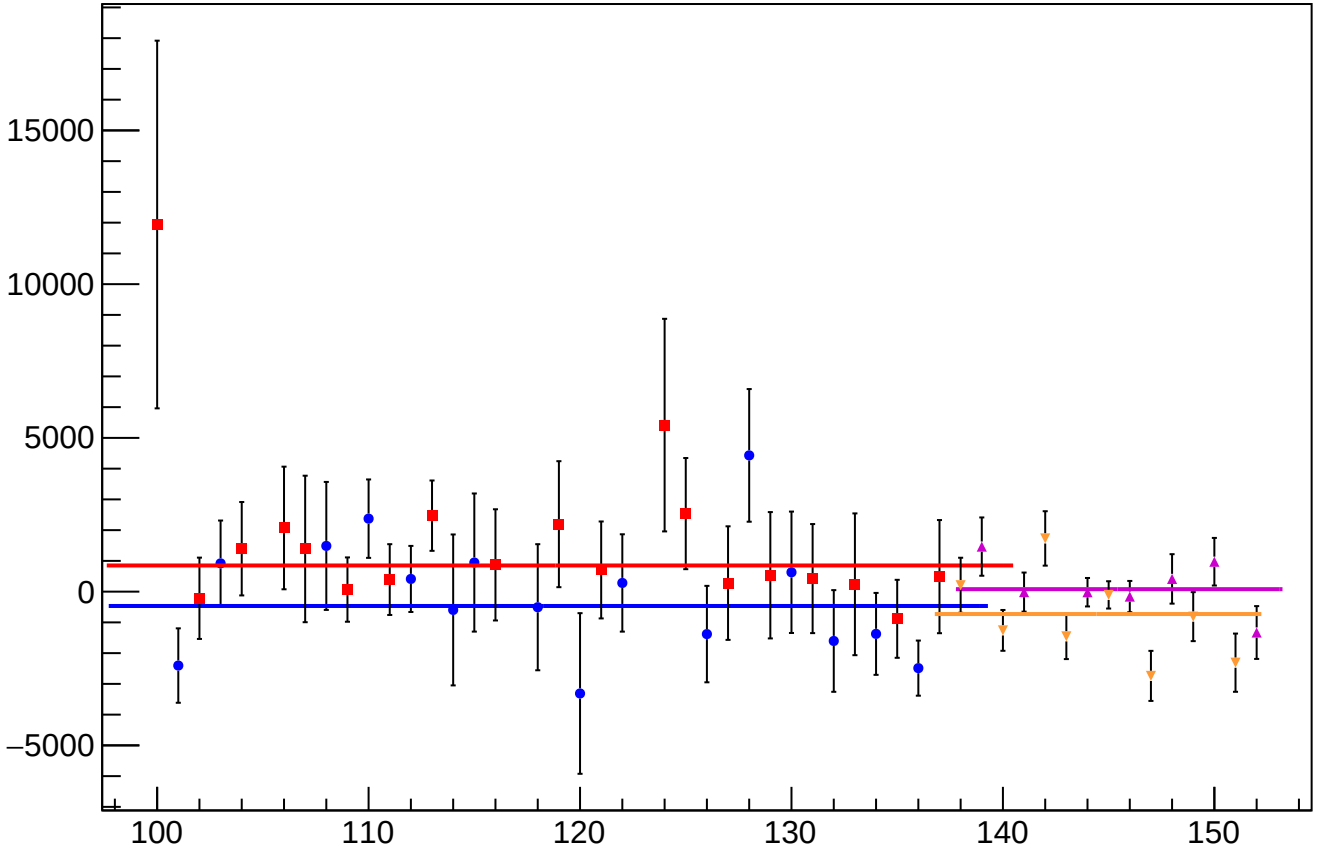
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 69.919+/-0.014 χ^2/NDF:1178808.0/22

Out: 70.550+/-0.014 χ^2/NDF:1156692.1/26

All: 70.234+/-0.010 χ^2/NDF: 2336514.1/49

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: 80.595+/-244.729 χ^2/NDF:6.6/6

Left: -313.952+/-175.162 χ^2/NDF: 33.2/14

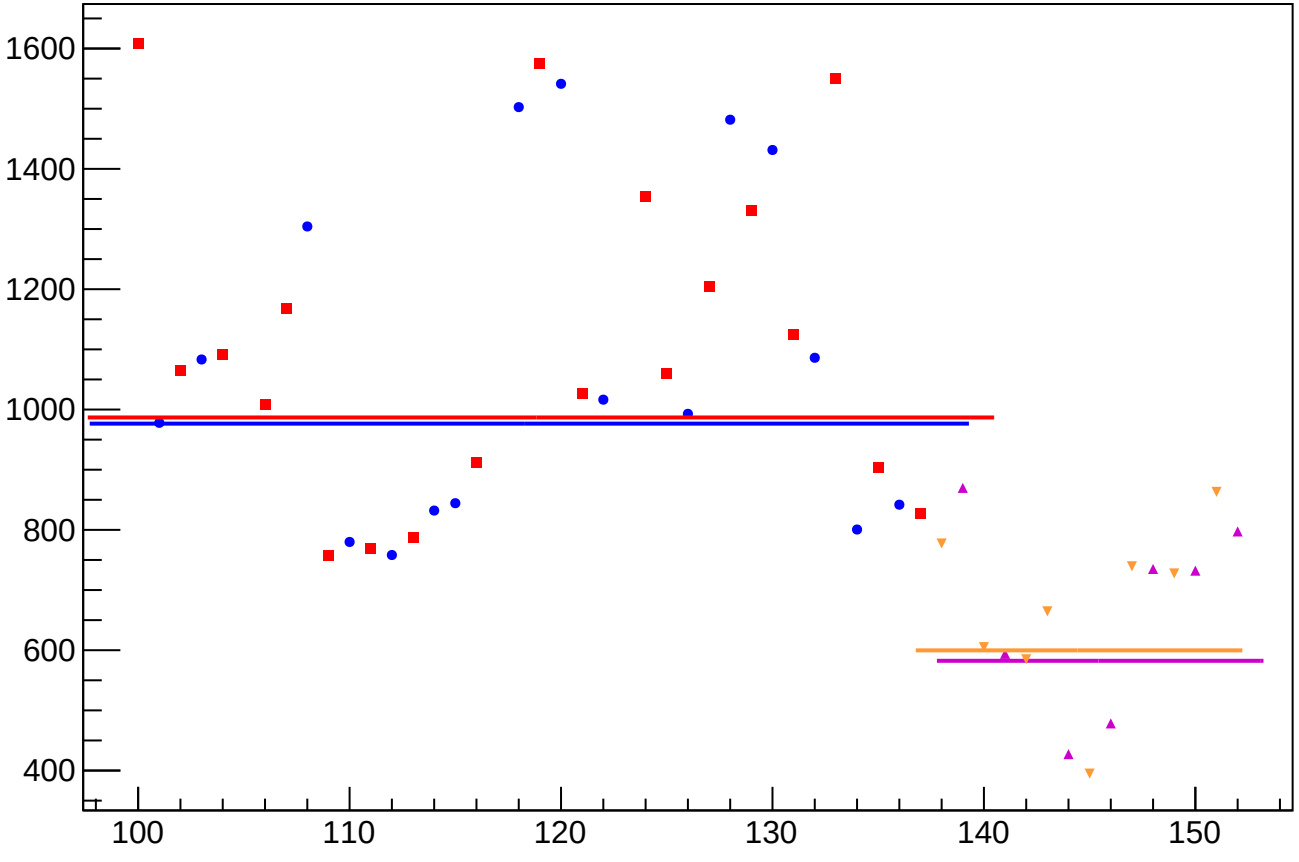
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -82.799+/-204.952 χ^2/NDF:31.8/22

Out: -236.843+/-208.153 χ^2/NDF:46.2/26

All: -158.627+/-146.042 χ^2/NDF: 78.3/49

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: 582.400+/-0.173 χ^2/NDF:765288.9/6

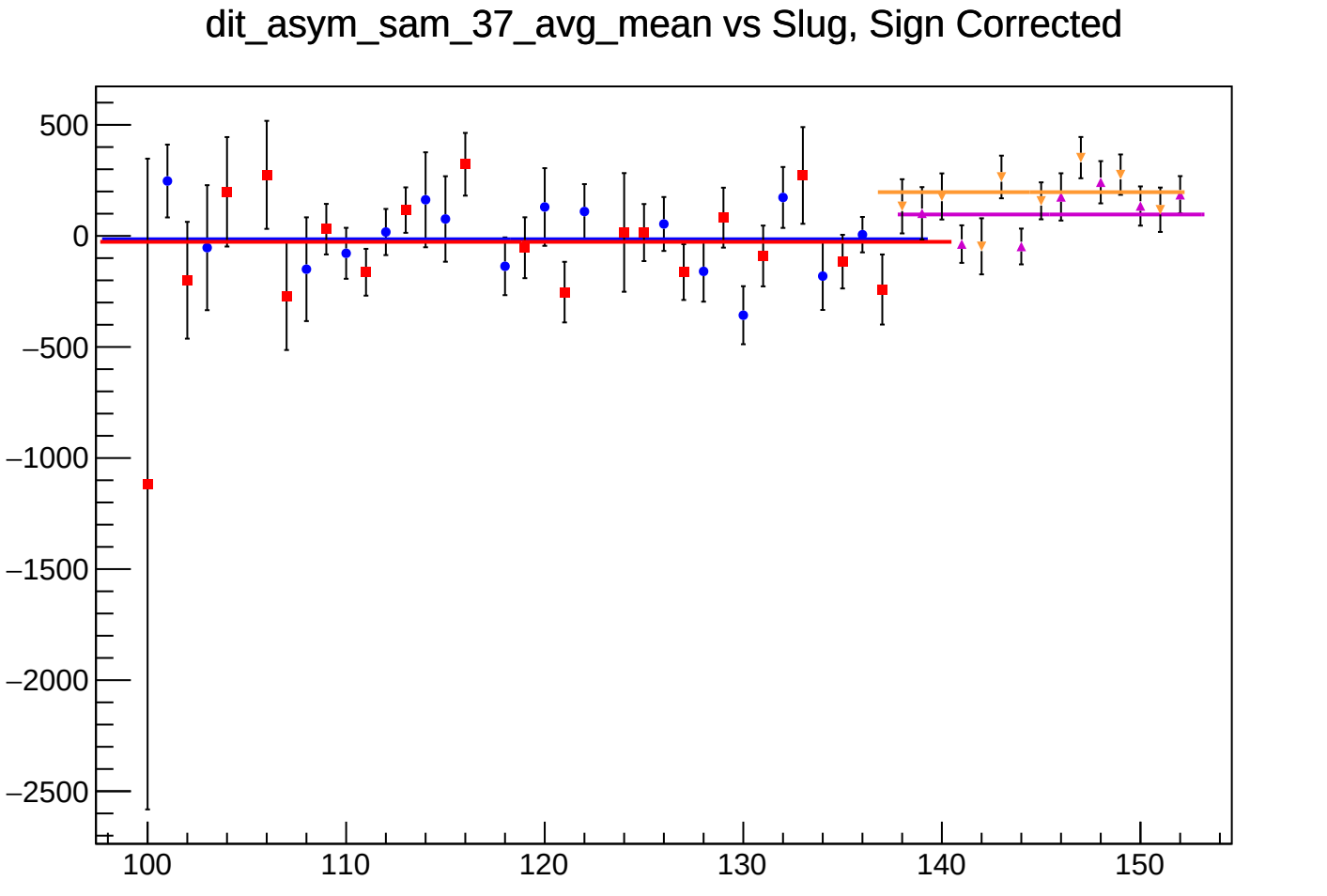
Left: 590.859+/-0.124 χ^2/NDF: 1555980.4/14

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 700.125+/-0.145 χ^2/NDF:3051565.6/22

Out: 720.229+/-0.147 χ^2/NDF:2981792.7/26

All: 710.021+/-0.103 χ^2/NDF: 6042831.0/49



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: 96.507+/-34.610 χ^2/NDF:9.9/6

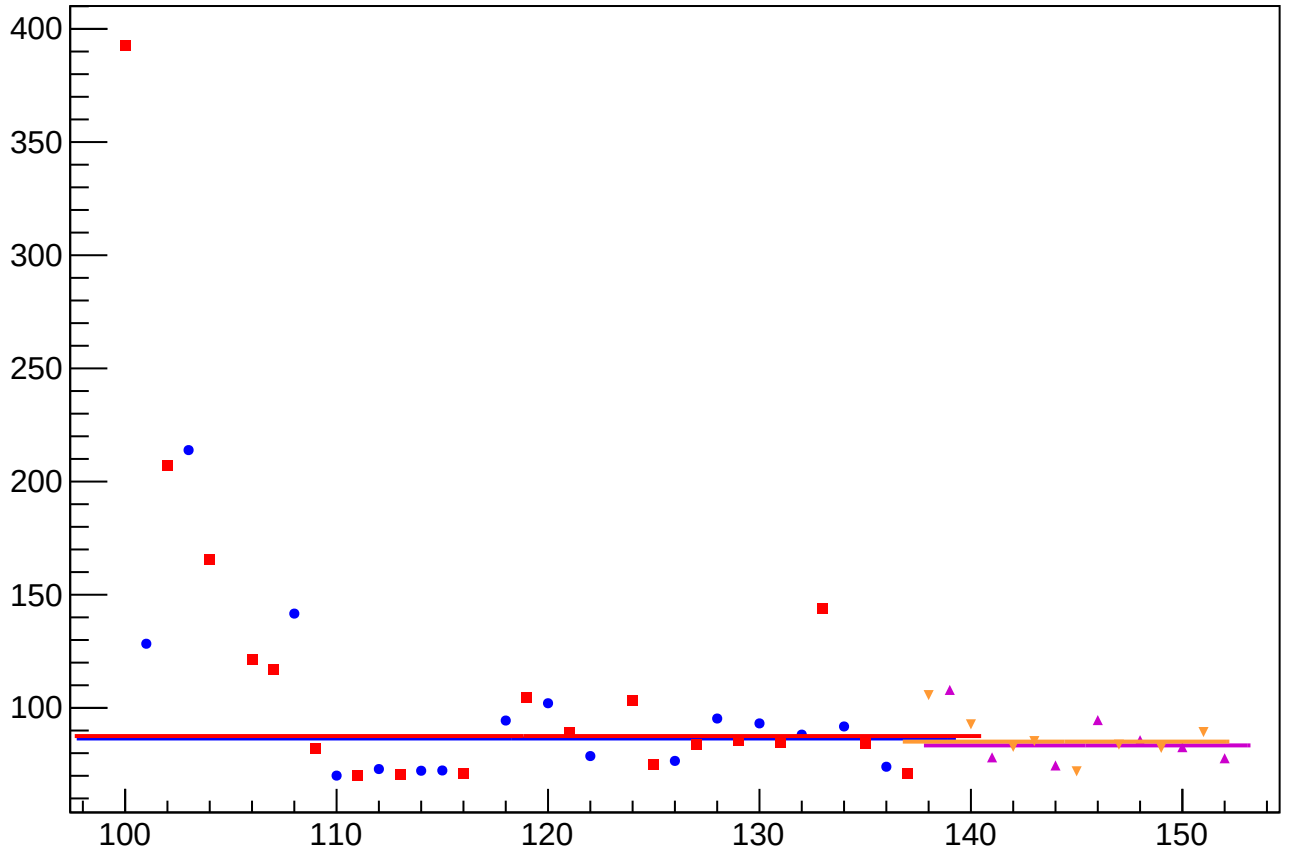
Left: 146.110+/-24.634 χ^2/NDF: 23.0/14

Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 39.393+/-24.167 χ^2/NDF:33.4/22

Out: 81.970+/-24.438 χ^2/NDF:53.5/26

All: 60.444+/-17.184 χ^2/NDF: 88.5/49



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: 83.432+/-0.024 χ^2/NDF:151062.3/6

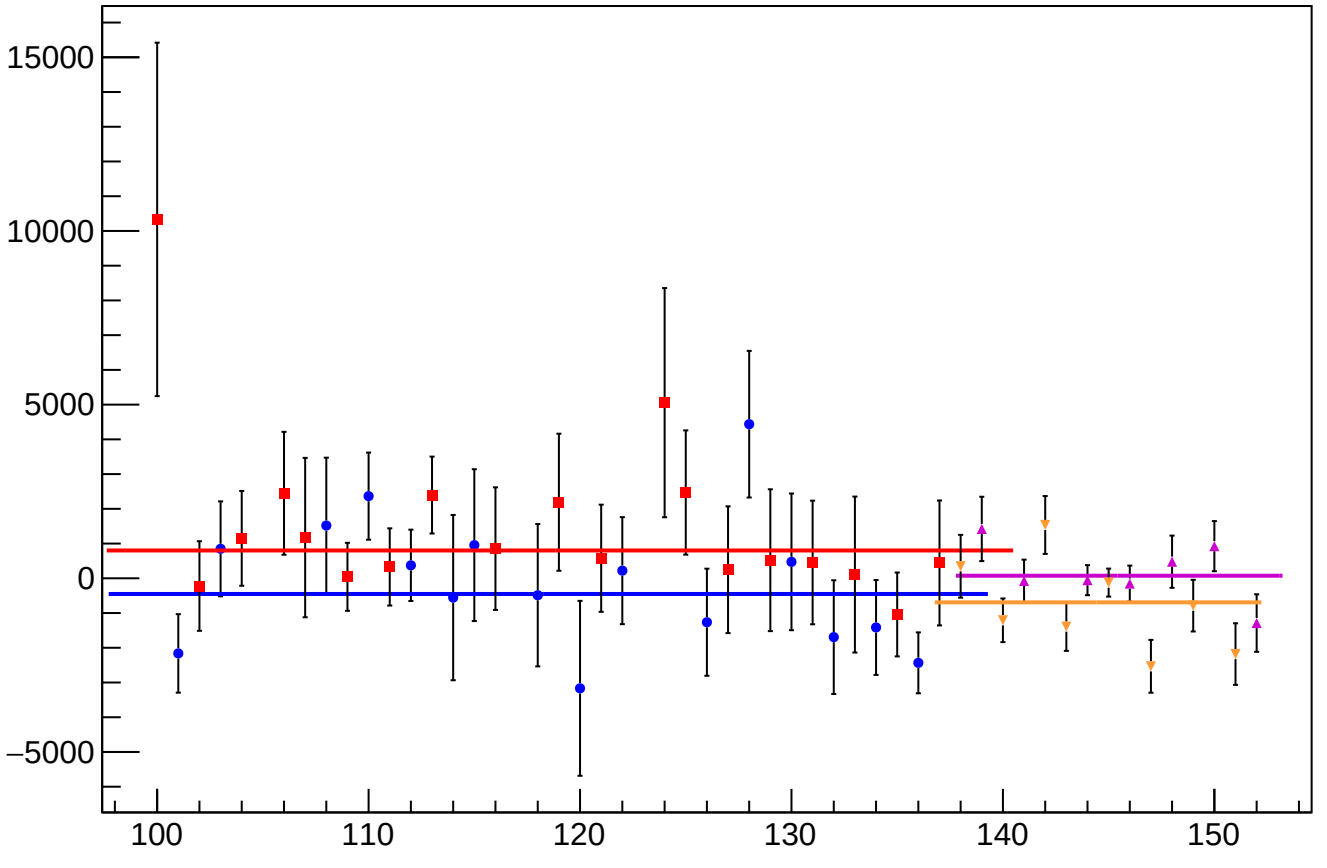
Left: 84.257+/-0.017 χ^2/NDF: 277325.0/14

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 84.998+/-0.017 χ^2/NDF:1015317.3/22

Out: 86.364+/-0.017 χ^2/NDF:1258779.6/26

All: 85.674+/-0.012 χ^2/NDF: 2277256.4/49



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: 74.531+/-235.359 χ^2/NDF:6.8/6

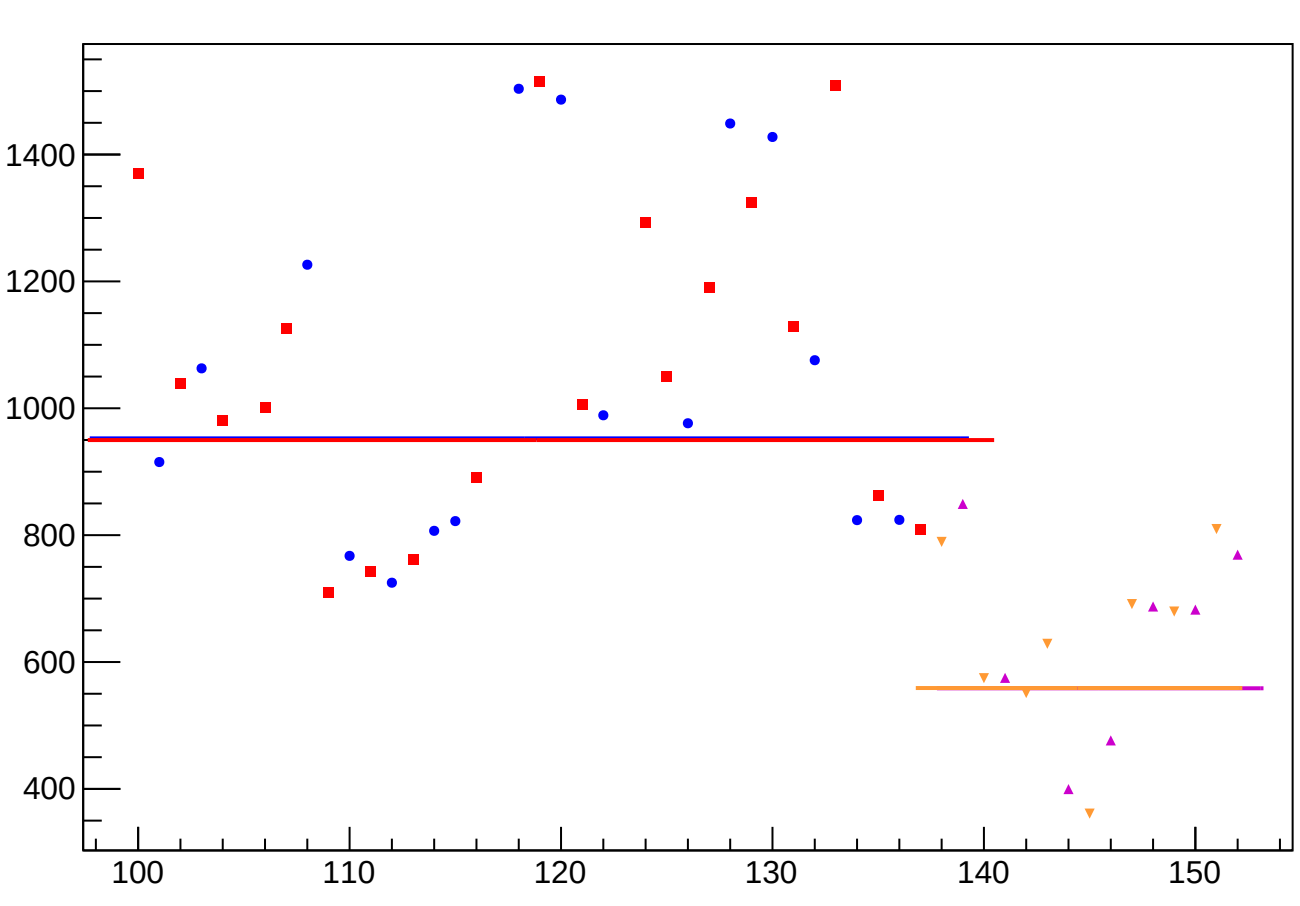
Left: -310.569+/-166.087 χ^2/NDF: 33.0/14

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -79.559+/-197.899 χ^2/NDF:32.0/22

Out: -244.084+/-196.087 χ^2/NDF:46.6/26

All: -162.578+/-139.291 χ^2/NDF: 79.0/49



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: 558.611+/-0.166 χ^2/NDF:766009.9/6

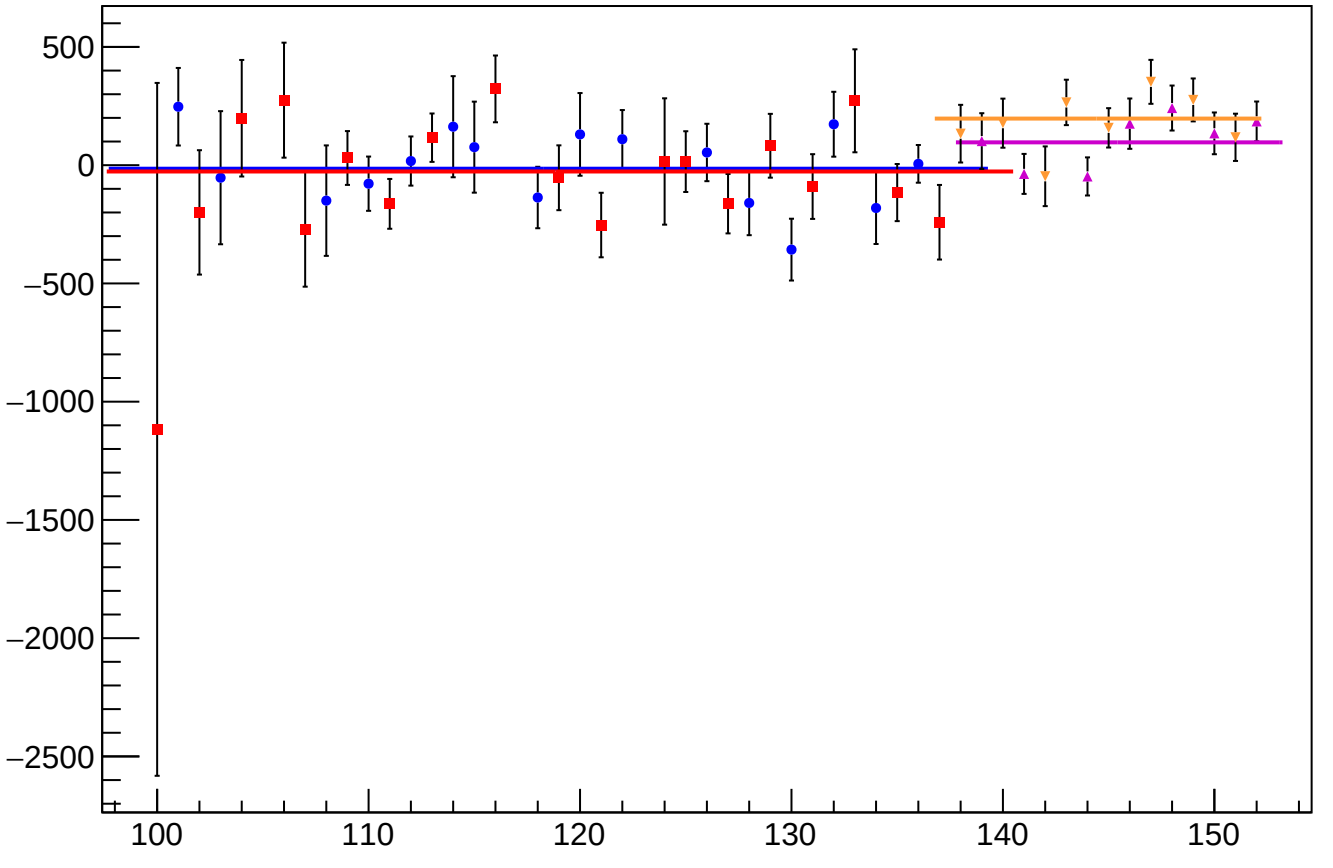
Left: 558.809+/-0.117 χ^2/NDF: 1671981.4/14

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 674.033+/-0.140 χ^2/NDF:3154031.4/22

Out: 676.362+/-0.139 χ^2/NDF:3327367.7/26

All: 675.208+/-0.098 χ^2/NDF: 6481538.7/49



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: 96.508+/-34.610 χ^2/NDF:9.9/6

Left: 146.110+/-24.634 χ^2/NDF: 23.0/14

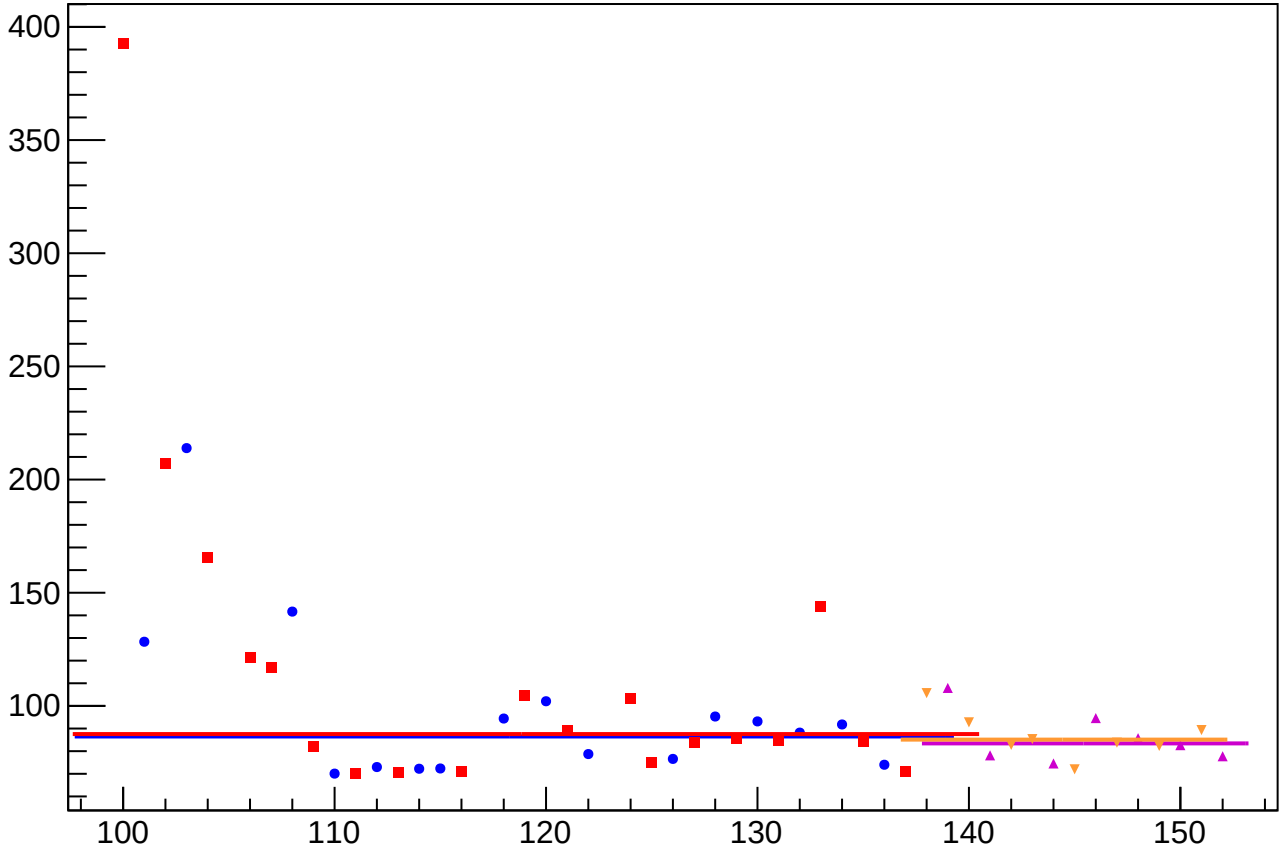
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 39.393+/-24.167 χ^2/NDF:33.4/22

Out: 81.968+/-24.438 χ^2/NDF:53.5/26

All: 60.443+/-17.184 χ^2/NDF: 88.5/49

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 85.104+/-0.025 χ^2/NDF:123959.2/7

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 83.432+/-0.024 χ^2/NDF:151058.0/6

Left: 84.257+/-0.017 χ^2/NDF: 277320.1/14

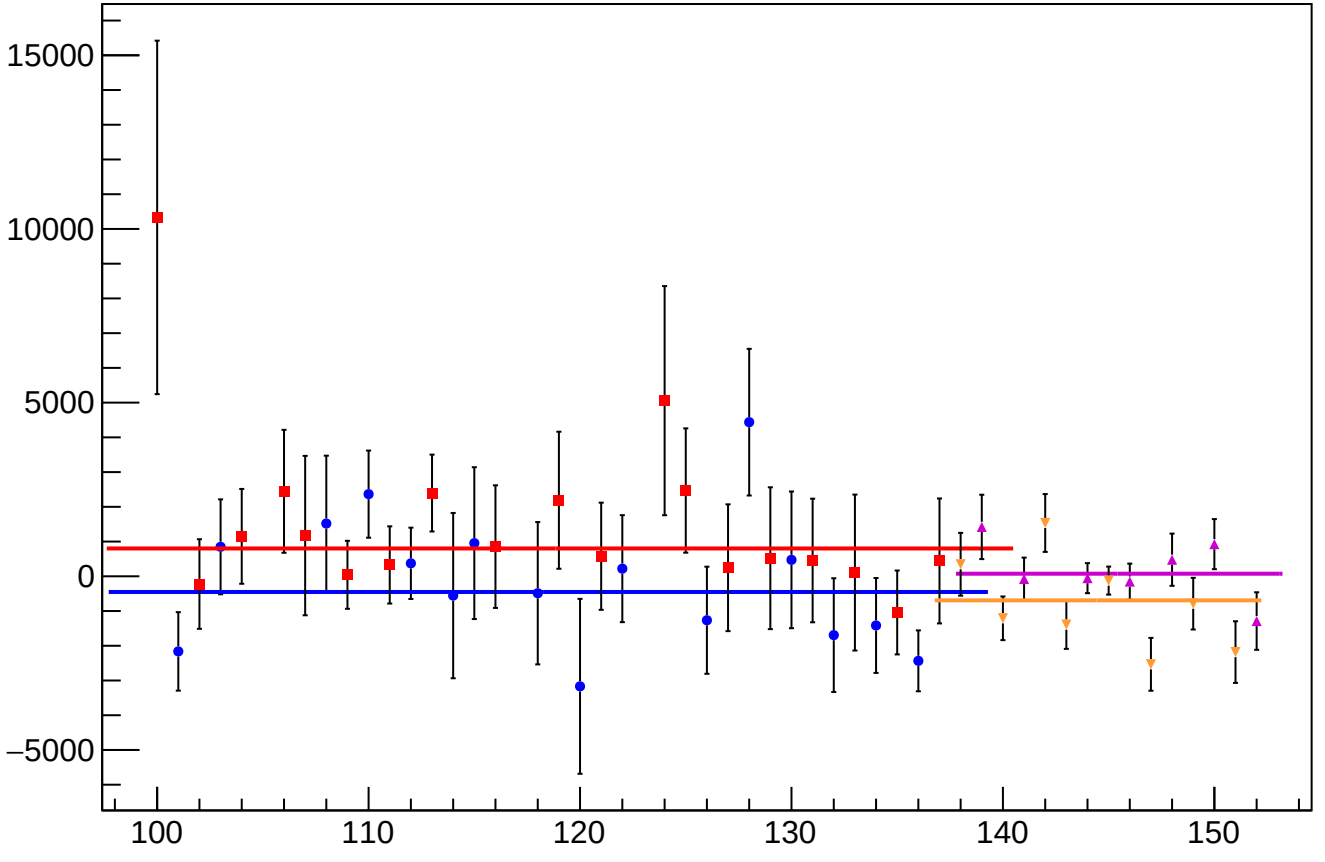
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 84.999+/-0.017 χ^2/NDF:1015304.8/22

Out: 86.365+/-0.017 χ^2/NDF:1258776.7/26

All: 85.674+/-0.012 χ^2/NDF: 2277241.3/49

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: 74.530+/-235.359 χ^2/NDF:6.8/6

Left: -310.570+/-166.087 χ^2/NDF: 33.0/14

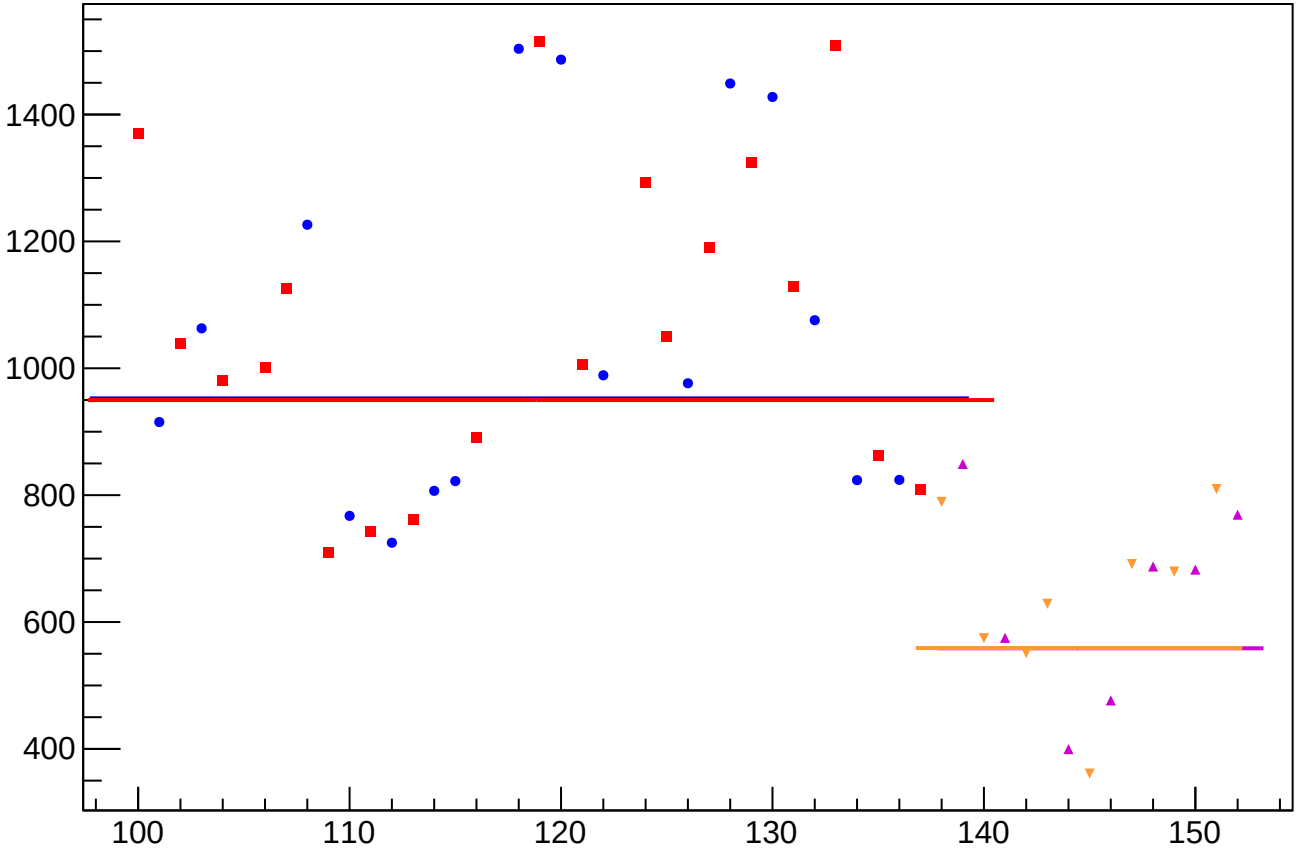
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -79.559+/-197.898 χ^2/NDF:32.0/22

Out: -244.084+/-196.087 χ^2/NDF:46.6/26

All: -162.578+/-139.290 χ^2/NDF: 79.0/49

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 559.004+/-0.166 χ^2/NDF:905971.2/7

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 558.611+/-0.166 χ^2/NDF:766011.0/6

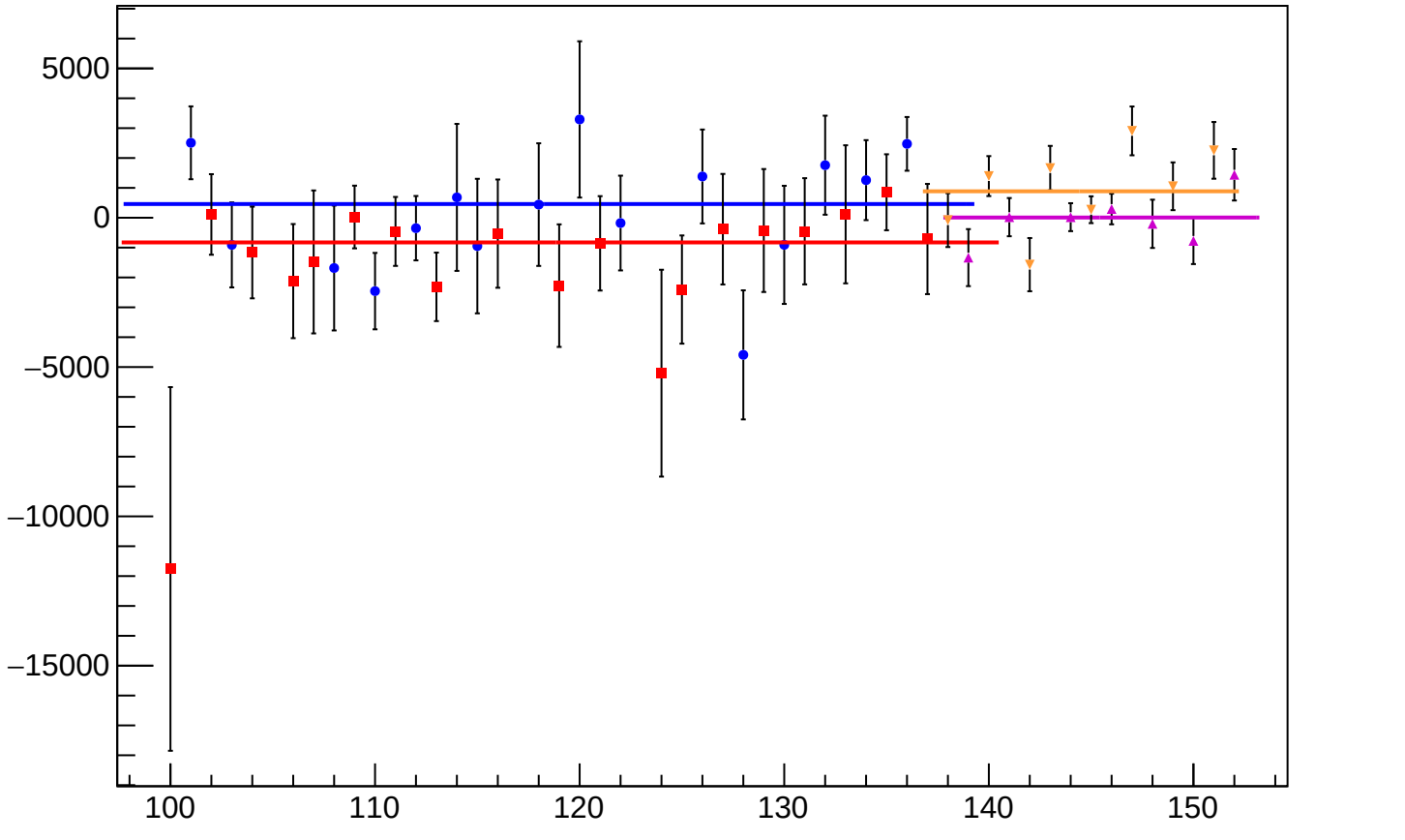
Left: 558.808+/-0.117 χ^2/NDF: 1671985.0/14

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 674.033+/-0.140 χ^2/NDF:3154029.1/22

Out: 676.361+/-0.139 χ^2/NDF:3327365.2/26

All: 675.208+/-0.098 χ^2/NDF: 6481533.9/49



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: 7.375+/-246.559 χ^2/NDF:6.1/6

Left: 435.813+/-176.469 χ^2/NDF: 32.9/14

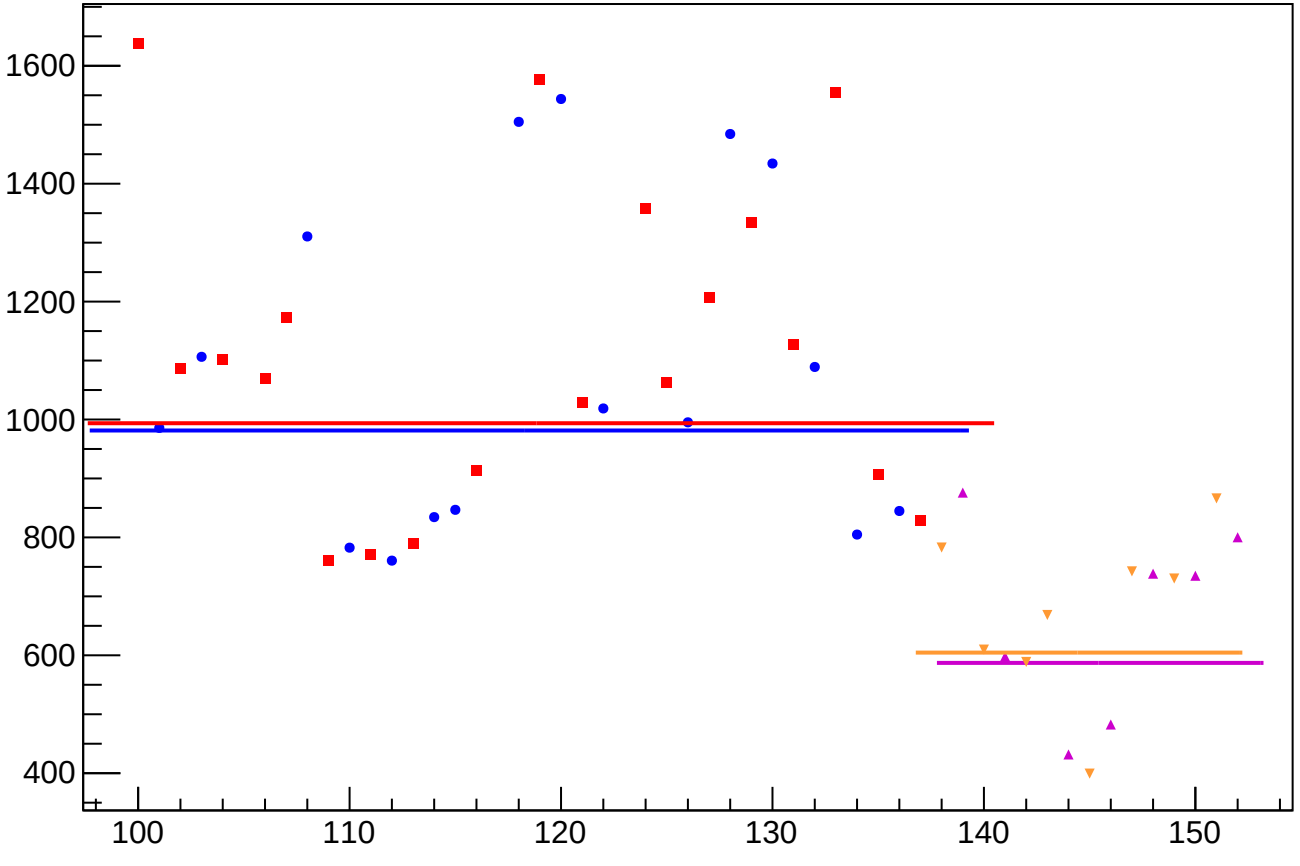
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 142.779+/-206.327 χ^2/NDF:31.7/22

Out: 349.623+/-209.418 χ^2/NDF:46.6/26

All: 244.663+/-146.976 χ^2/NDF: 78.8/49

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: 587.117+/-0.174 χ^2/NDF:752235.6/6

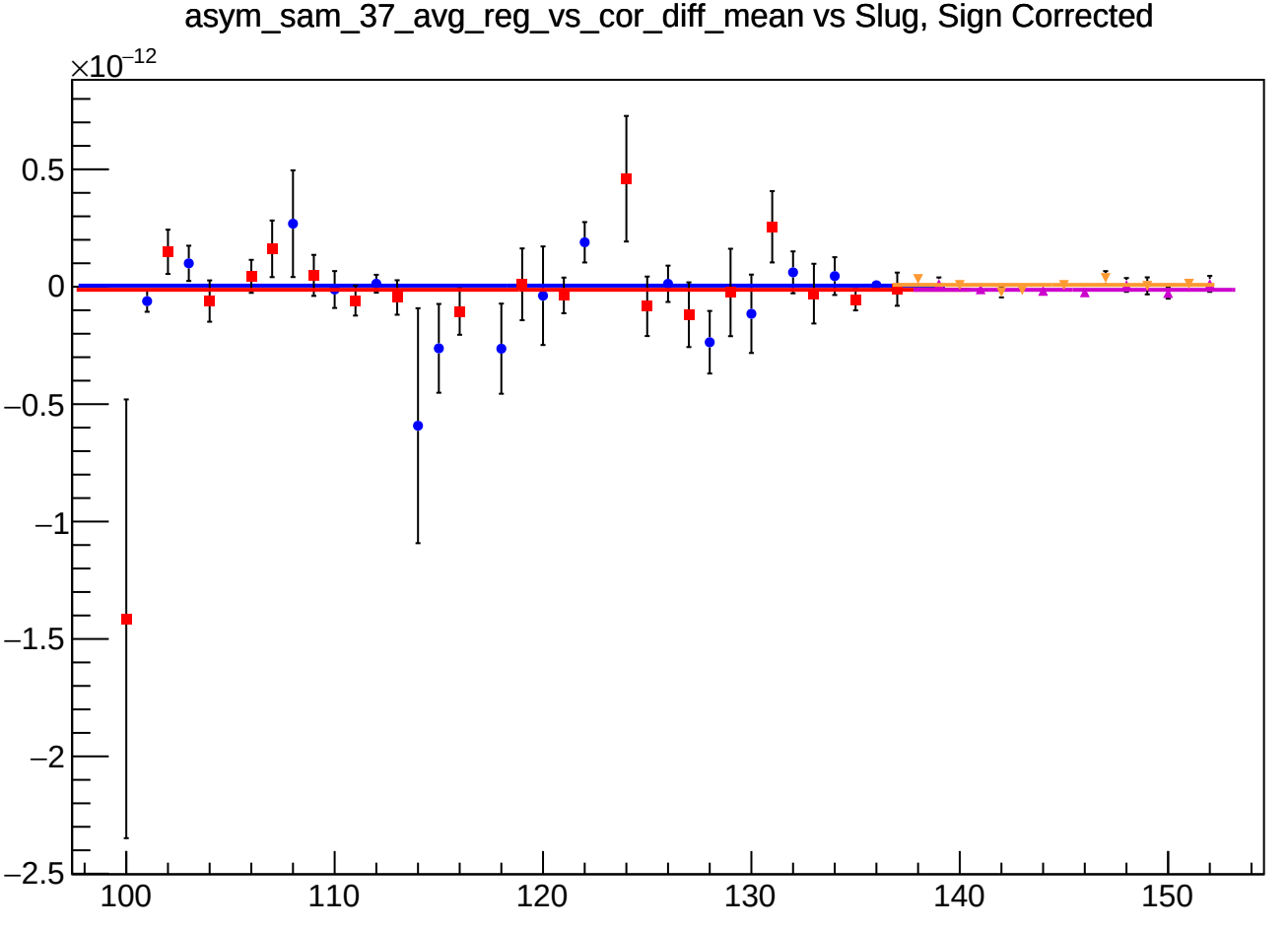
Left: 595.641+/-0.125 χ^2/NDF: 1526788.5/14

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 705.278+/-0.146 χ^2/NDF:3022407.7/22

Out: 726.429+/-0.148 χ^2/NDF:2974348.9/26

All: 715.696+/-0.104 χ^2/NDF: 6007109.1/49



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:2.8/6

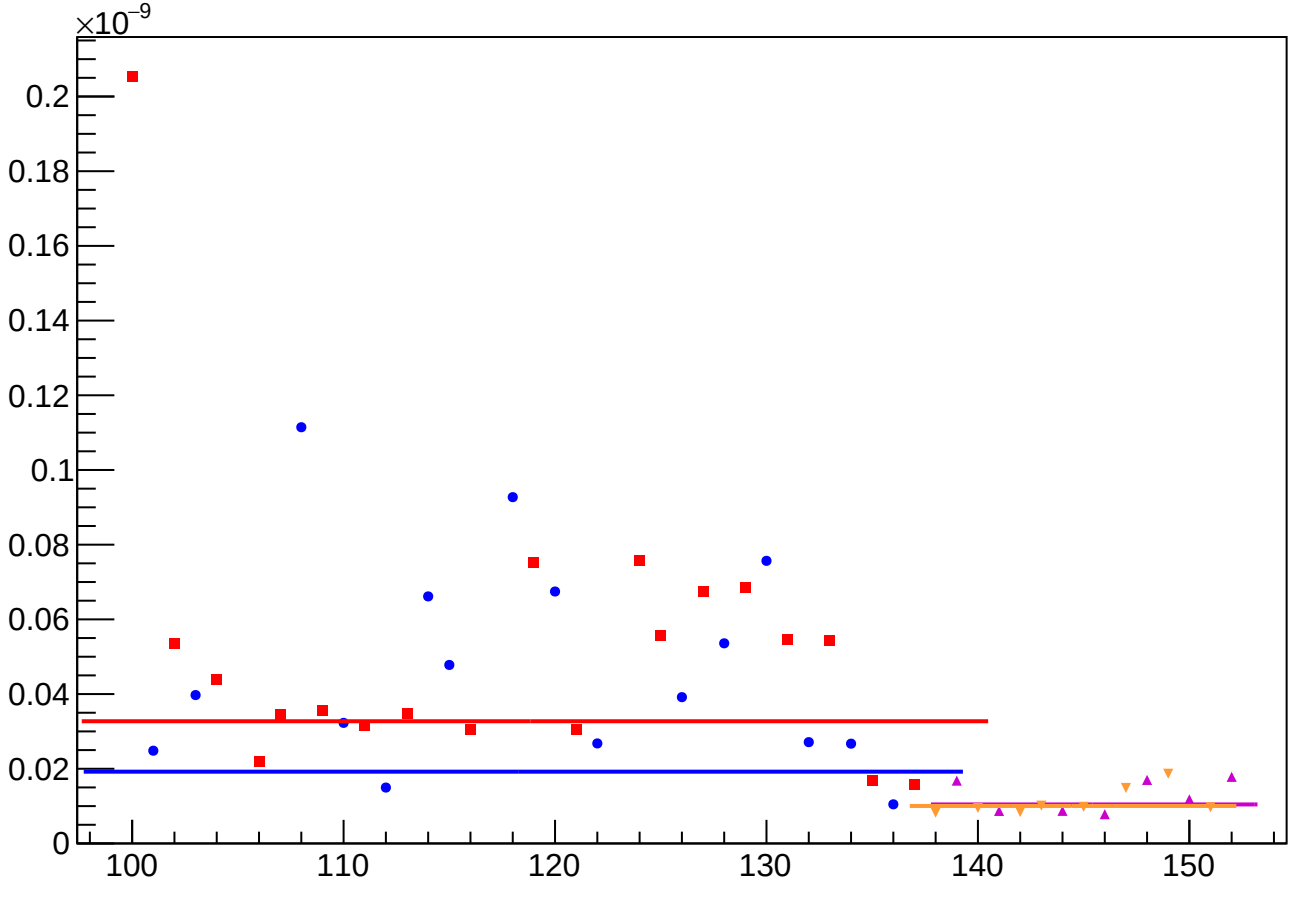
Left: -0.000+/-0.000 χ^2/NDF: 13.0/14

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: -0.000+/-0.000 χ^2/NDF:23.6/22

Out: 0.000+/-0.000 χ^2/NDF:25.5/26

All: -0.000+/-0.000 χ^2/NDF: 51.6/49



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:411031.1/6

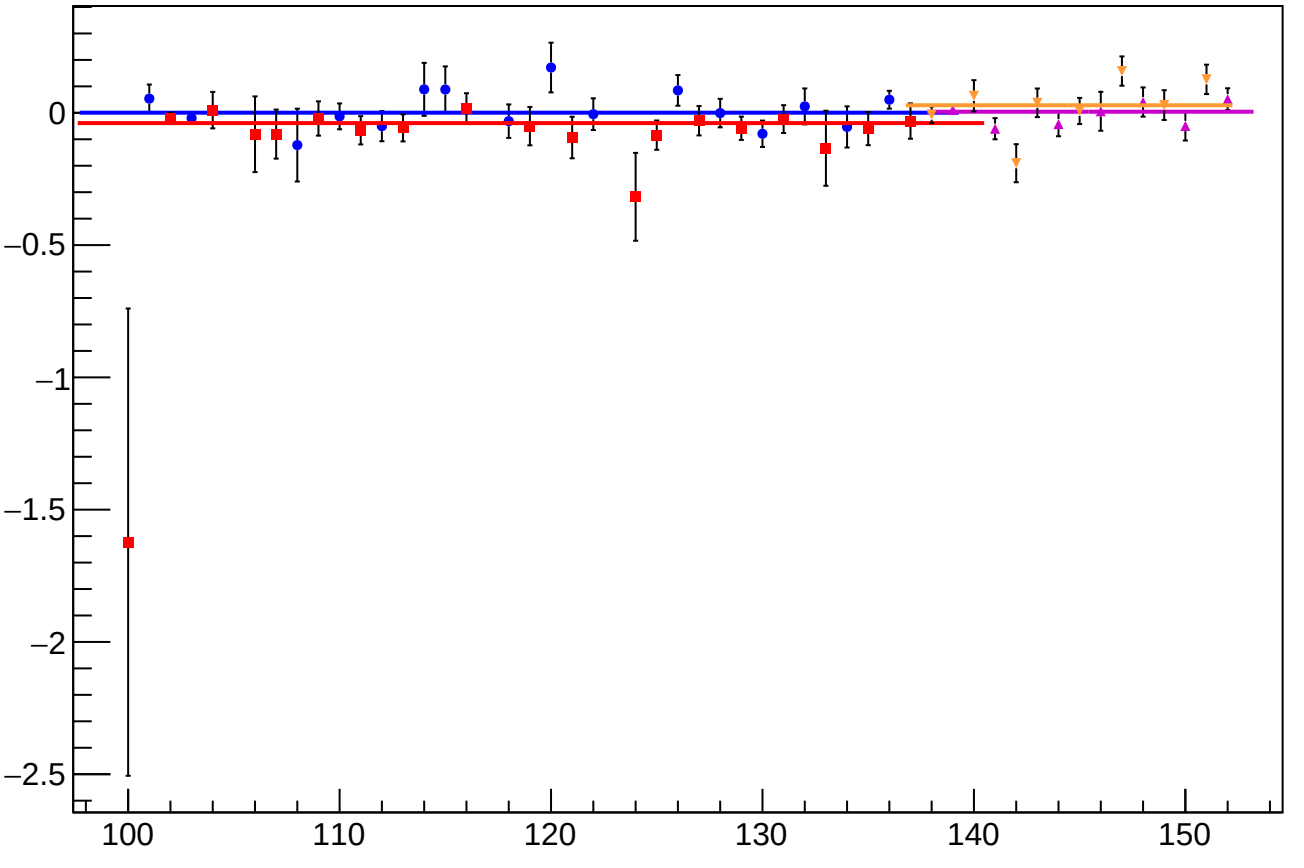
Left: 0.000+/-0.000 χ^2/NDF: 614494.7/14

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:2966679.6/22

Out: 0.000+/-0.000 χ^2/NDF:3513573.1/26

All: 0.000+/-0.000 χ^2/NDF: 6480735.1/49



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: 0.004+/-0.011 χ^2/NDF:6.6/6

Left: 0.011+/-0.009 χ^2/NDF: 27.6/14

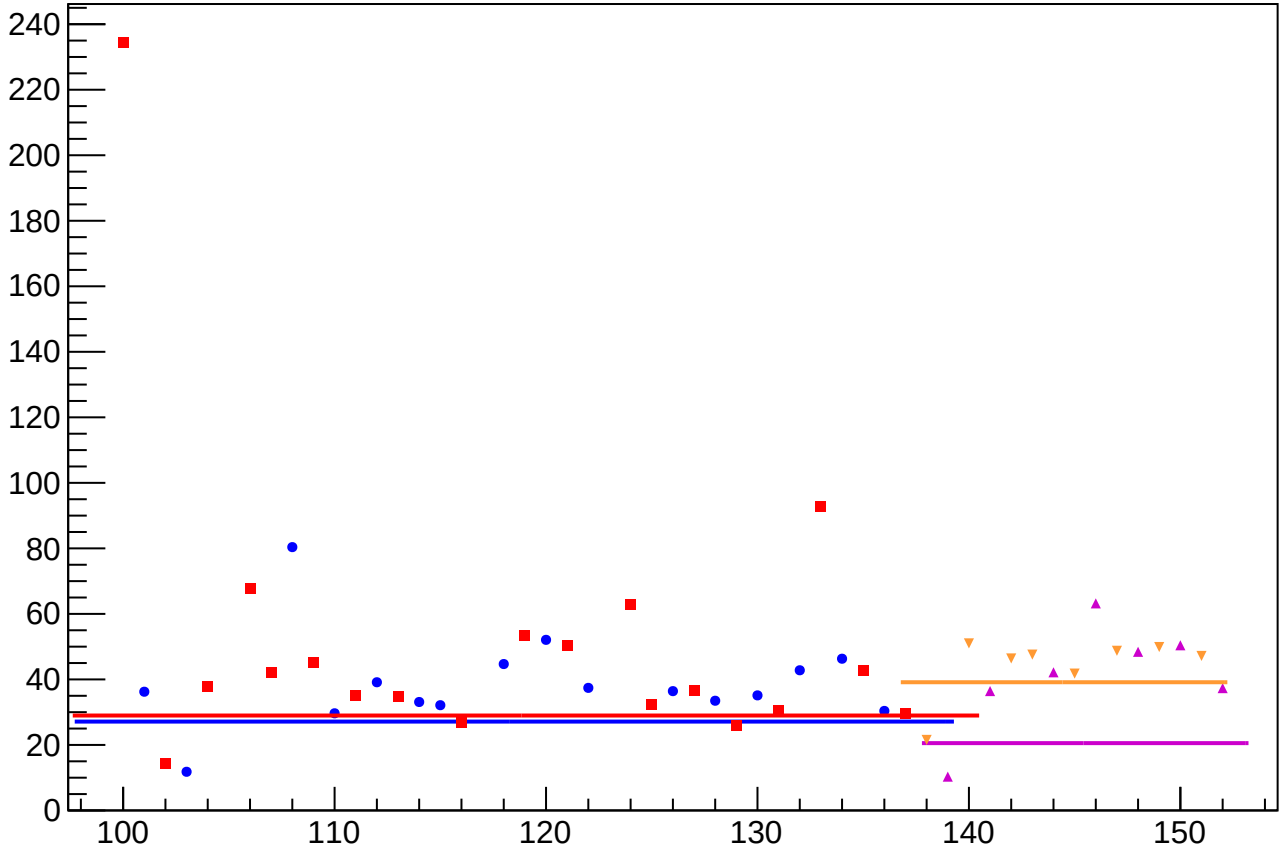
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.1/22

Out: -0.016+/-0.010 χ^2/NDF:40.4/26

All: -0.005+/-0.006 χ^2/NDF: 65.5/49

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: 20.551+/-0.008 χ^2/NDF:4010520.2/6

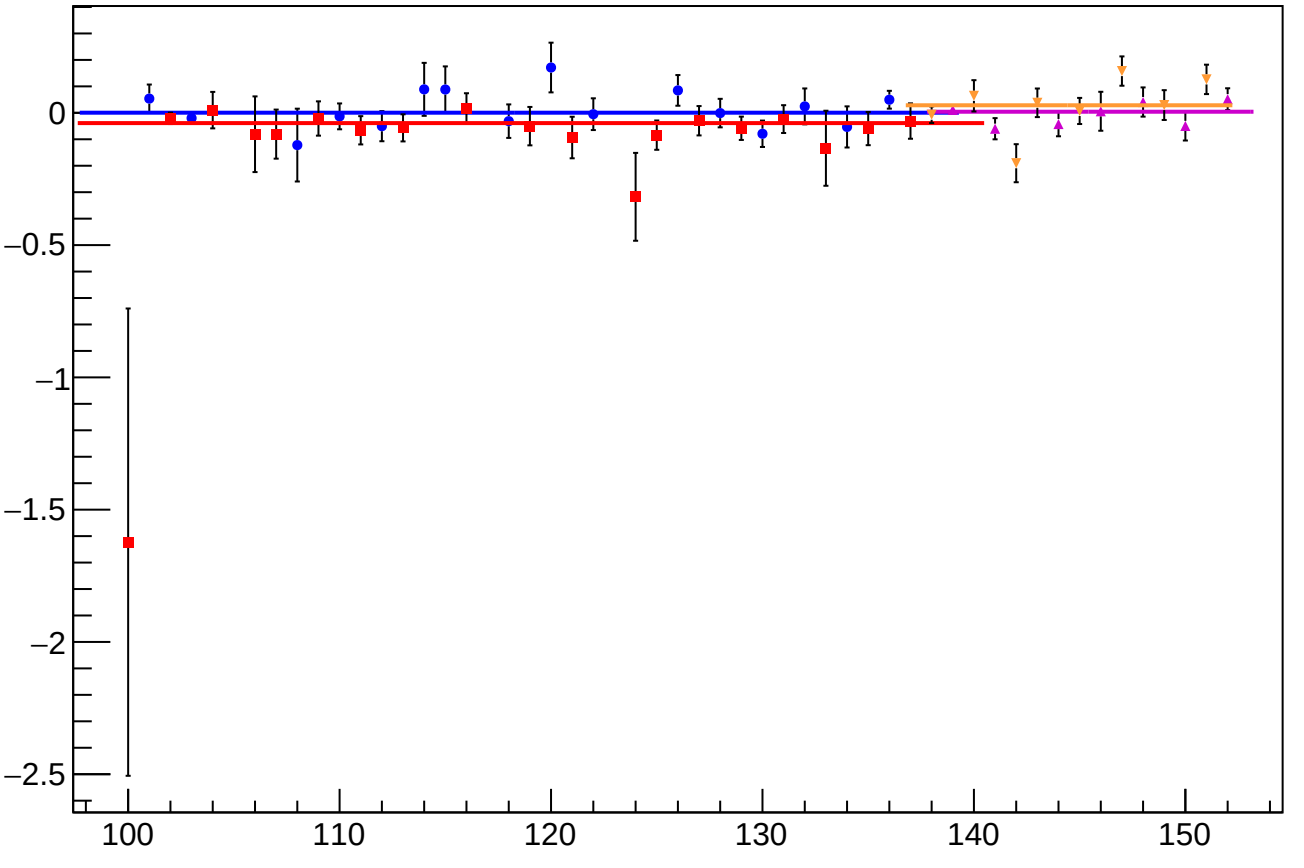
Left: 25.845+/-0.007 χ^2/NDF: 6556238.7/14

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.585+/-0.006 χ^2/NDF:6747690.5/22

Out: 32.423+/-0.007 χ^2/NDF:3853240.1/26

All: 27.010+/-0.005 χ^2/NDF: 11507186.4/49



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: 0.004+/-0.011 χ^2/NDF:6.6/6

Left: 0.011+/-0.009 χ^2/NDF: 27.6/14

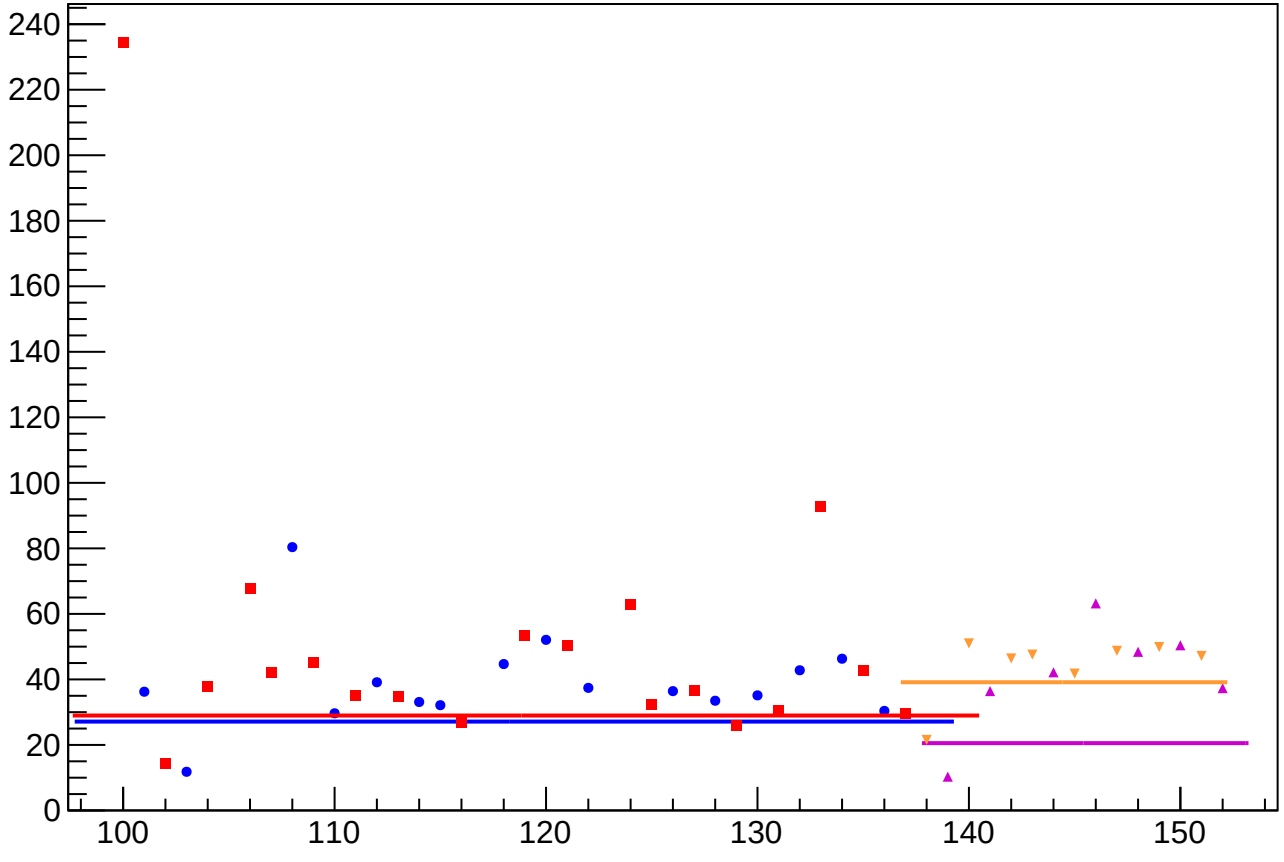
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.1/22

Out: -0.016+/-0.010 χ^2/NDF:40.4/26

All: -0.005+/-0.006 χ^2/NDF: 65.5/49

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: 20.551+/-0.008 χ^2/NDF:4010520.2/6

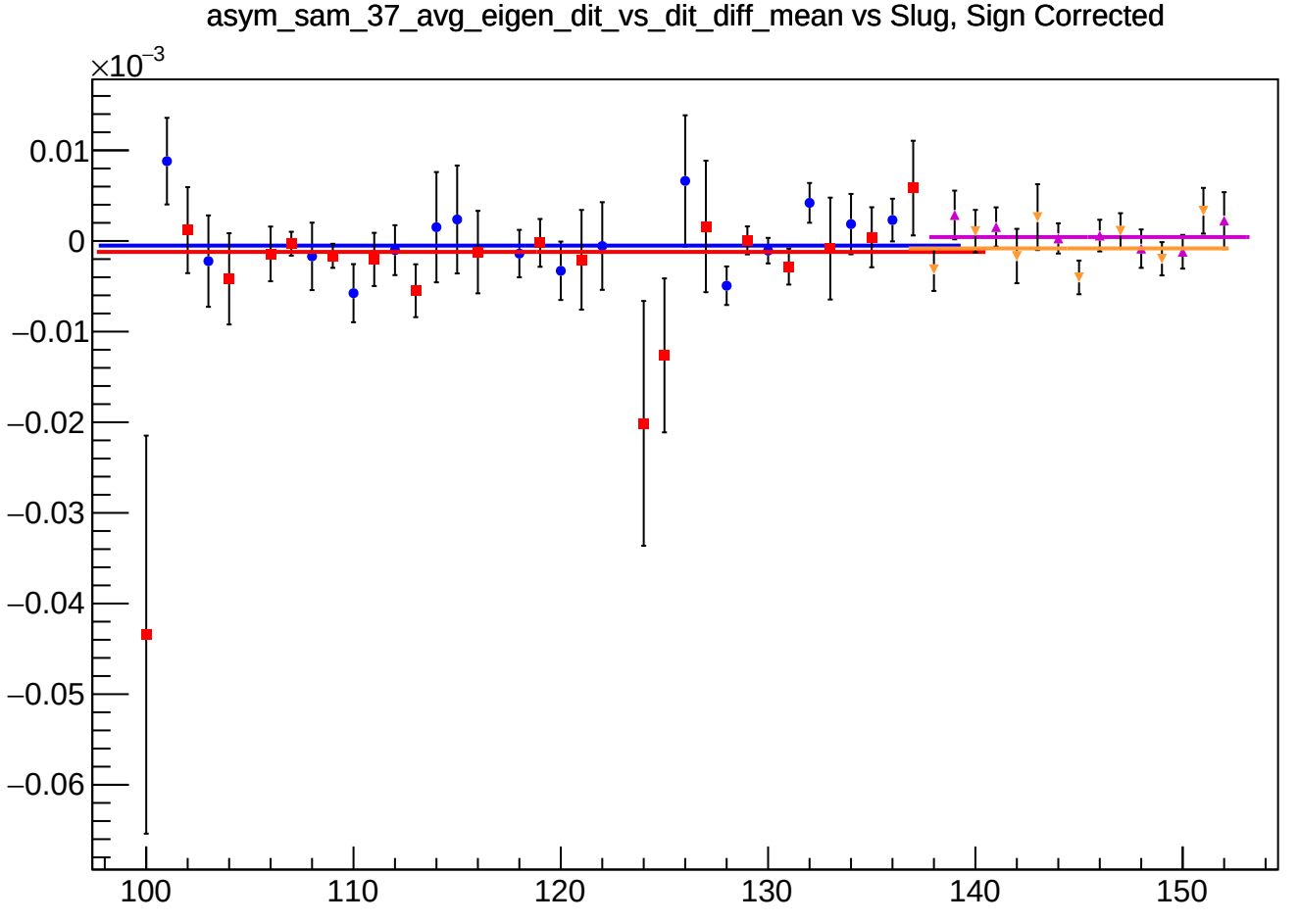
Left: 25.845+/-0.007 χ^2/NDF: 6556238.7/14

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.585+/-0.006 χ^2/NDF:6747690.5/22

Out: 32.423+/-0.007 χ^2/NDF:3853240.1/26

All: 27.010+/-0.005 χ^2/NDF: 11507186.4/49



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:2.6/6

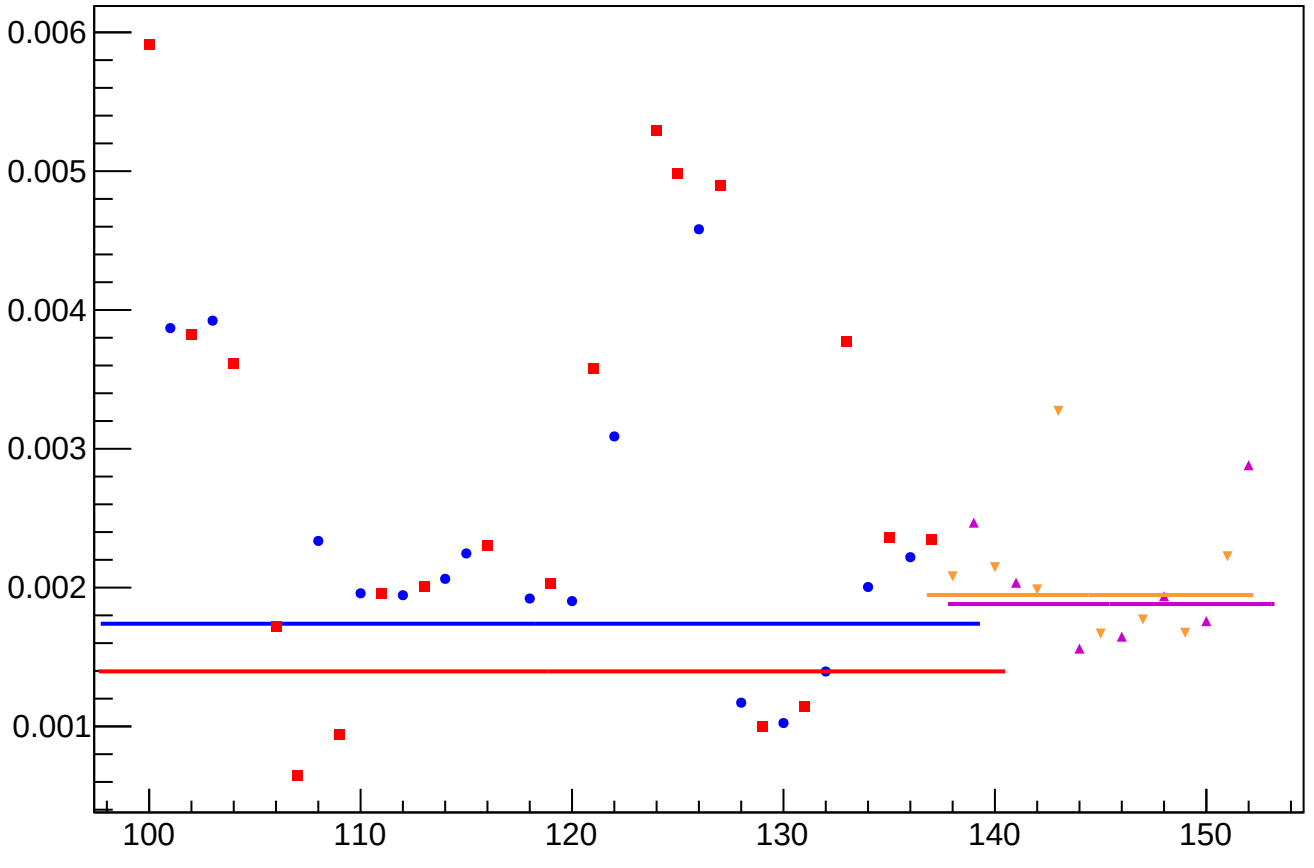
Left: -0.000+/-0.000 χ^2/NDF: 13.5/14

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:23.3/22

Out: -0.000+/-0.000 χ^2/NDF:24.4/26

All: -0.000+/-0.000 χ^2/NDF: 49.6/49



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:429358.7/6

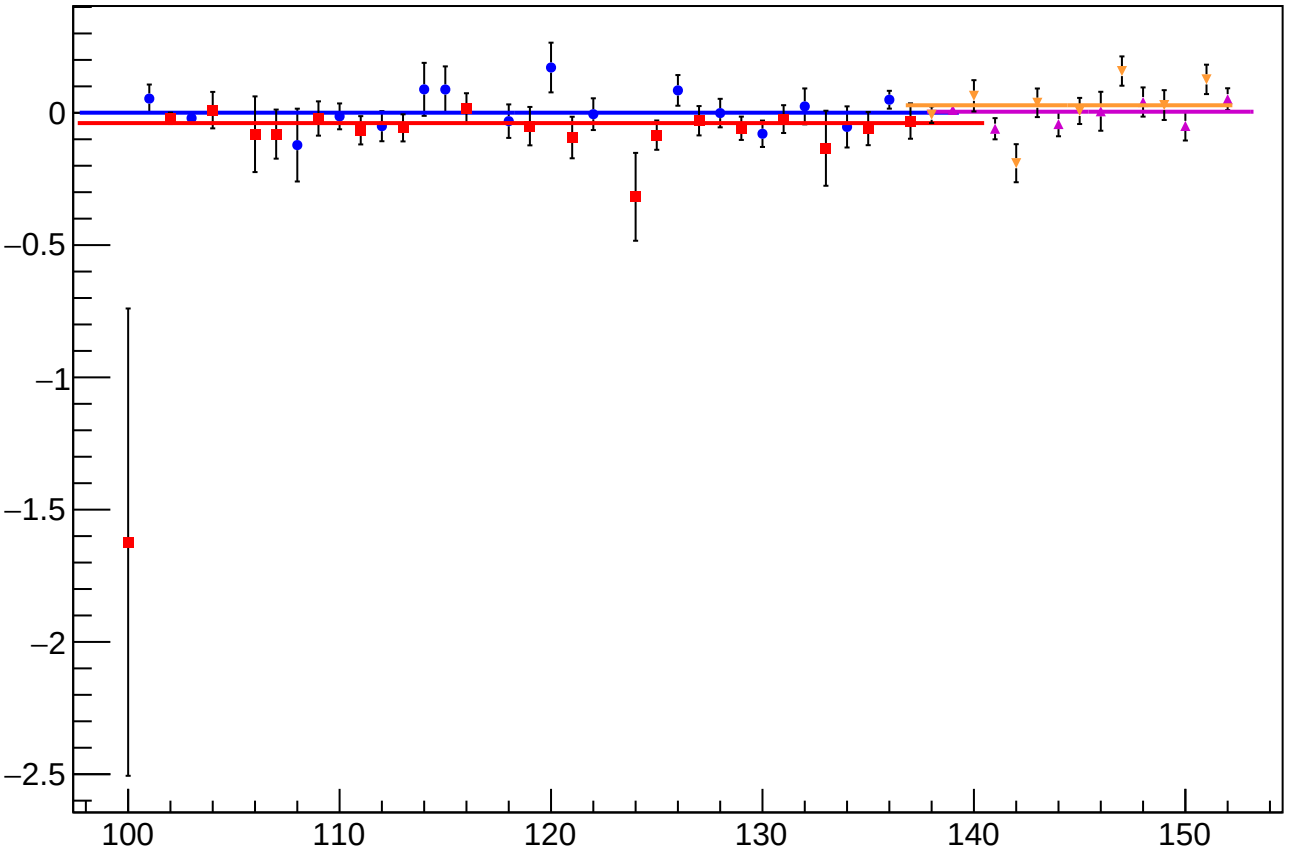
Left: 0.002+/-0.000 χ^2/NDF: 853888.6/14

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2612155.3/22

Out: 0.002+/-0.000 χ^2/NDF:5336587.2/26

All: 0.002+/-0.000 χ^2/NDF: 8113930.9/49



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: 0.004+/-0.011 χ^2/NDF:6.6/6

Left: 0.011+/-0.009 χ^2/NDF: 27.6/14

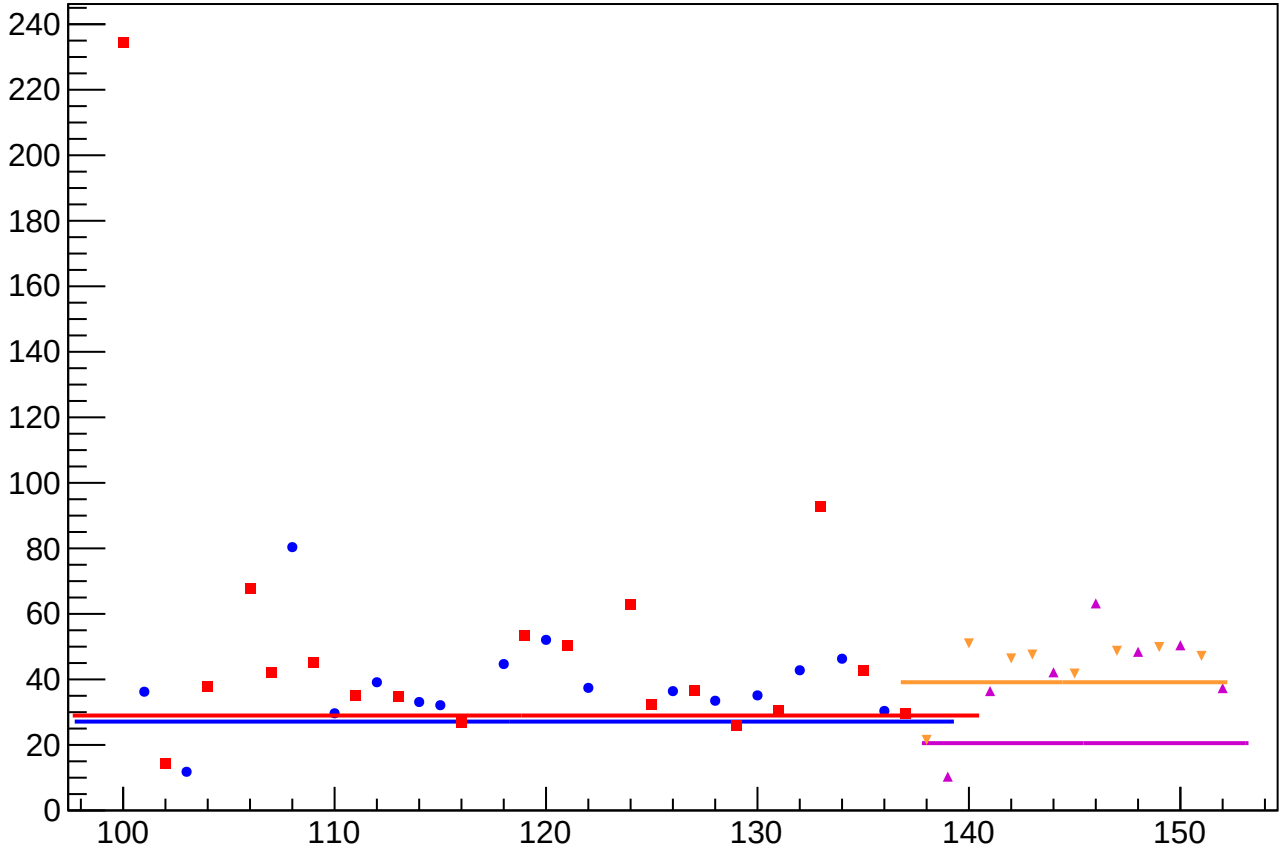
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.1/22

Out: -0.016+/-0.010 χ^2/NDF:40.4/26

All: -0.005+/-0.006 χ^2/NDF: 65.5/49

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: 20.549+/-0.008 χ^2/NDF:4011084.0/6

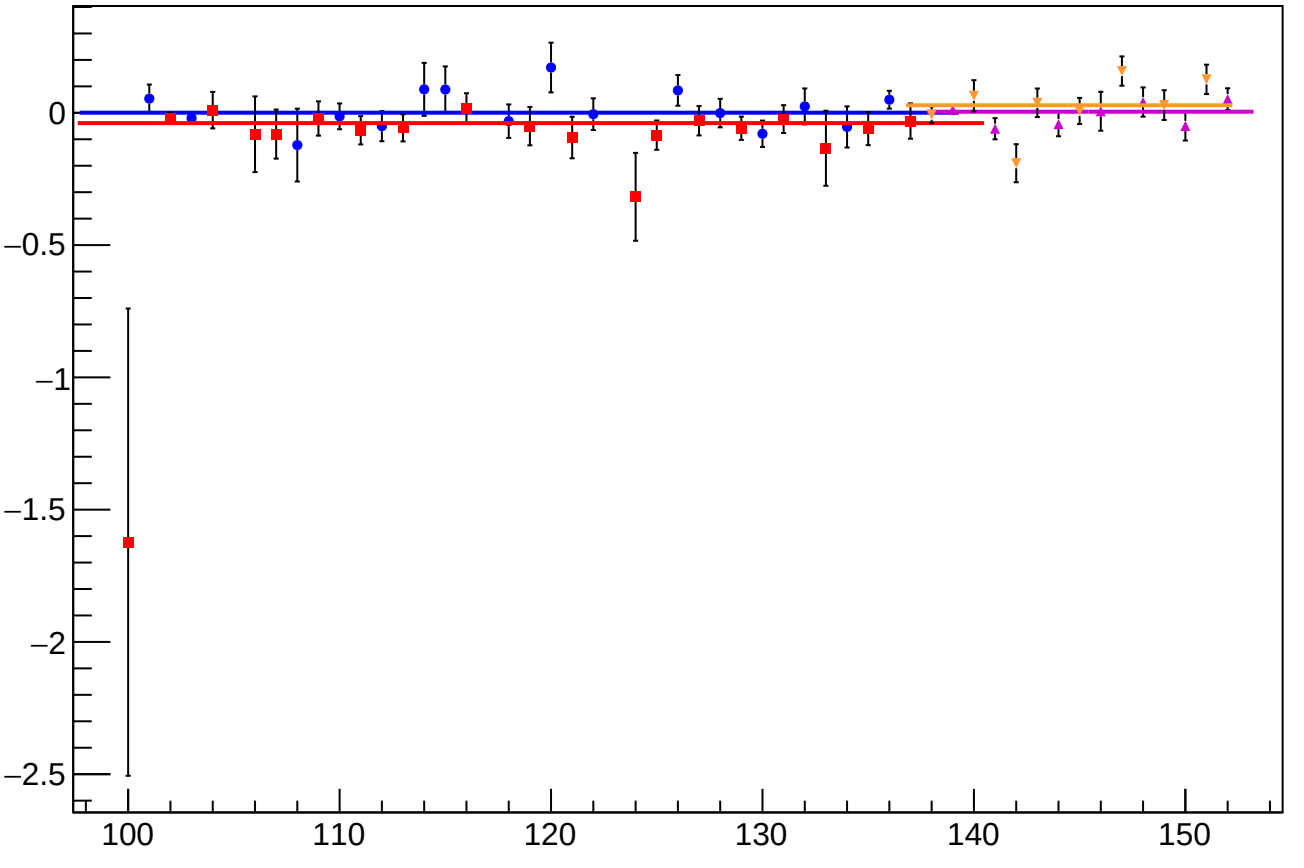
Left: 25.842+/-0.007 χ^2/NDF: 6557387.2/14

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.584+/-0.006 χ^2/NDF:6748748.2/22

Out: 32.424+/-0.007 χ^2/NDF:3852673.4/26

All: 27.010+/-0.005 χ^2/NDF: 11508328.5/49



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: 0.004+/-0.011 χ^2/NDF:6.6/6

Left: 0.011+/-0.009 χ^2/NDF: 27.6/14

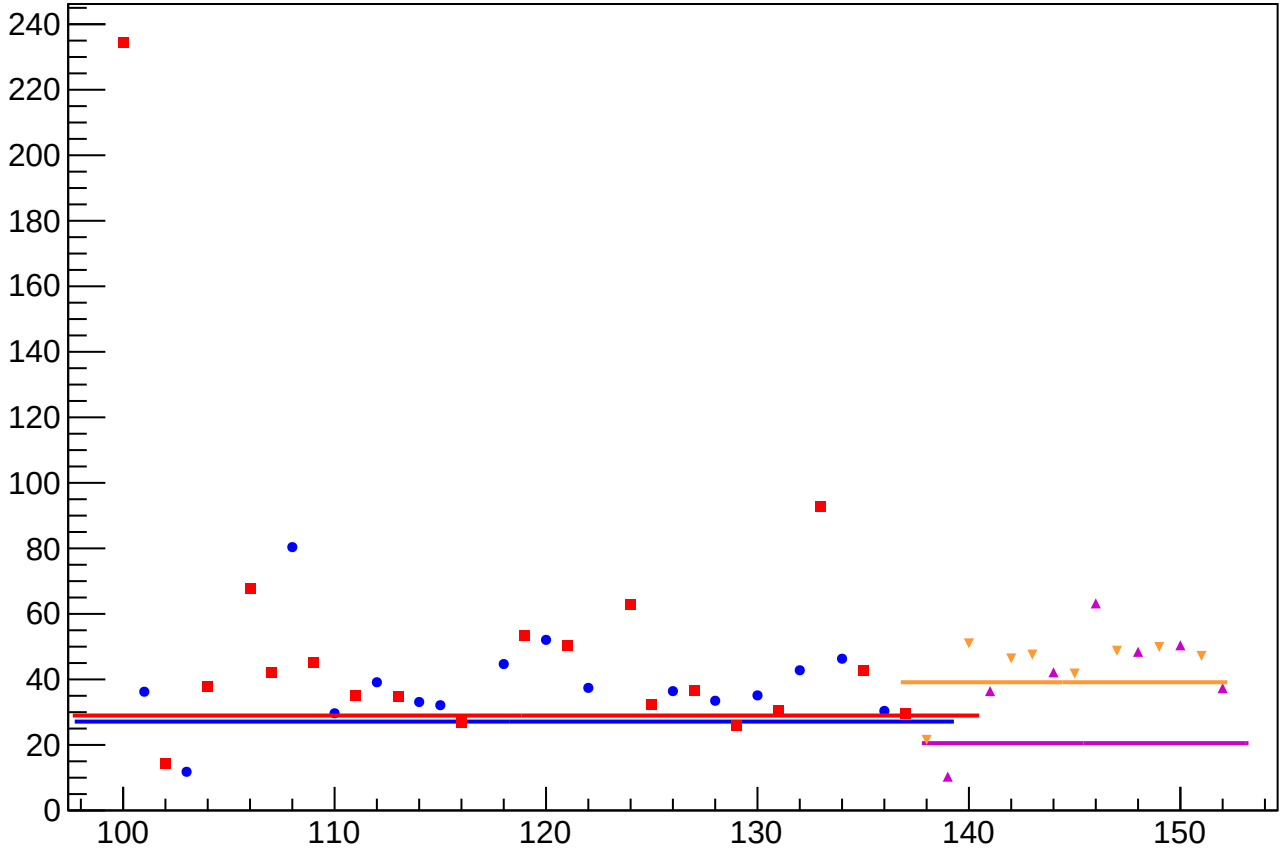
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.1/22

Out: -0.016+/-0.010 χ^2/NDF:40.4/26

All: -0.005+/-0.006 χ^2/NDF: 65.5/49

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: 20.549+/-0.008 χ^2/NDF:4011084.0/6

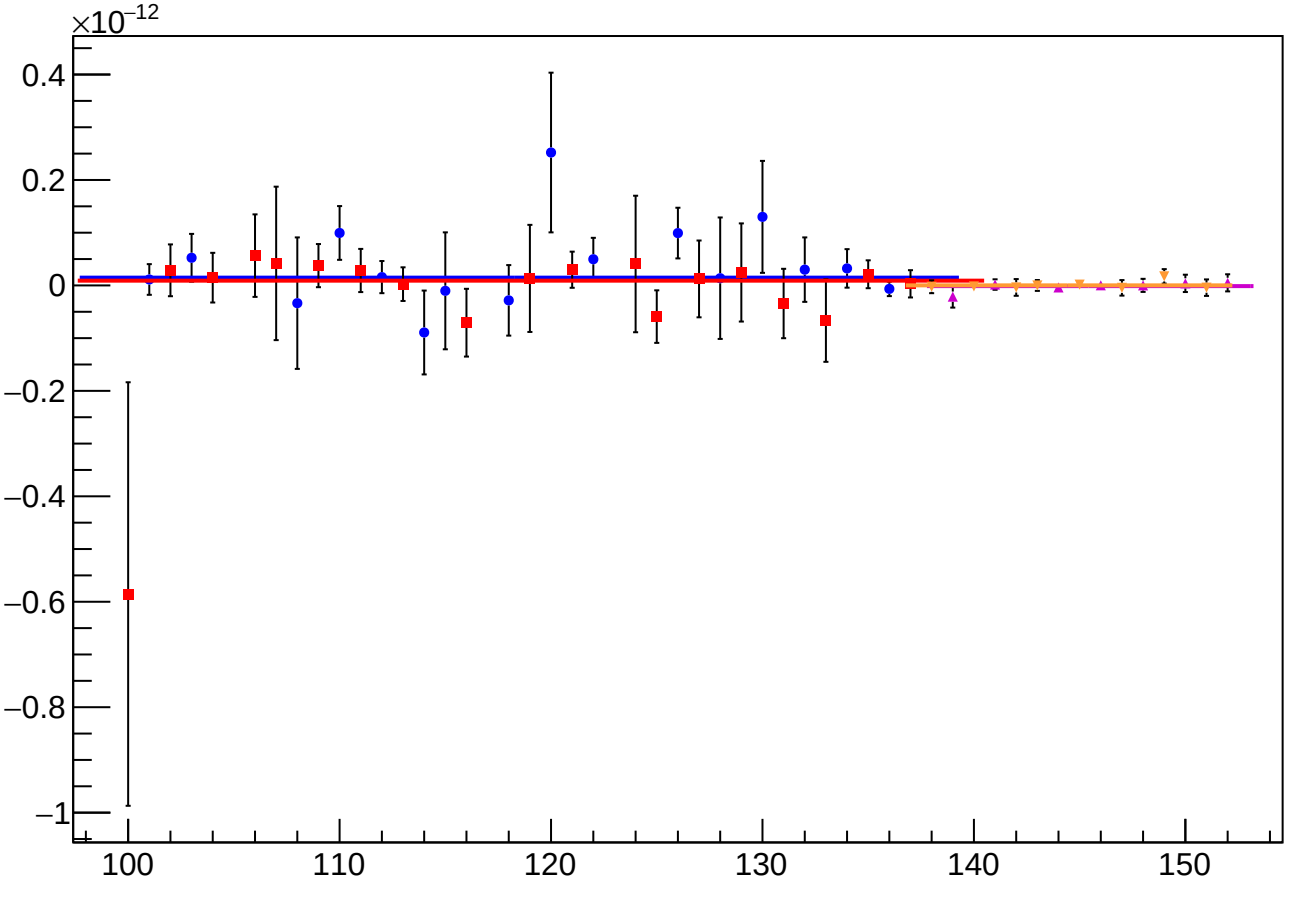
Left: 25.842+/-0.007 χ^2/NDF: 6557387.2/14

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.584+/-0.006 χ^2/NDF:6748748.2/22

Out: 32.424+/-0.007 χ^2/NDF:3852673.4/26

All: 27.010+/-0.005 χ^2/NDF: 11508328.5/49



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:1.5/6

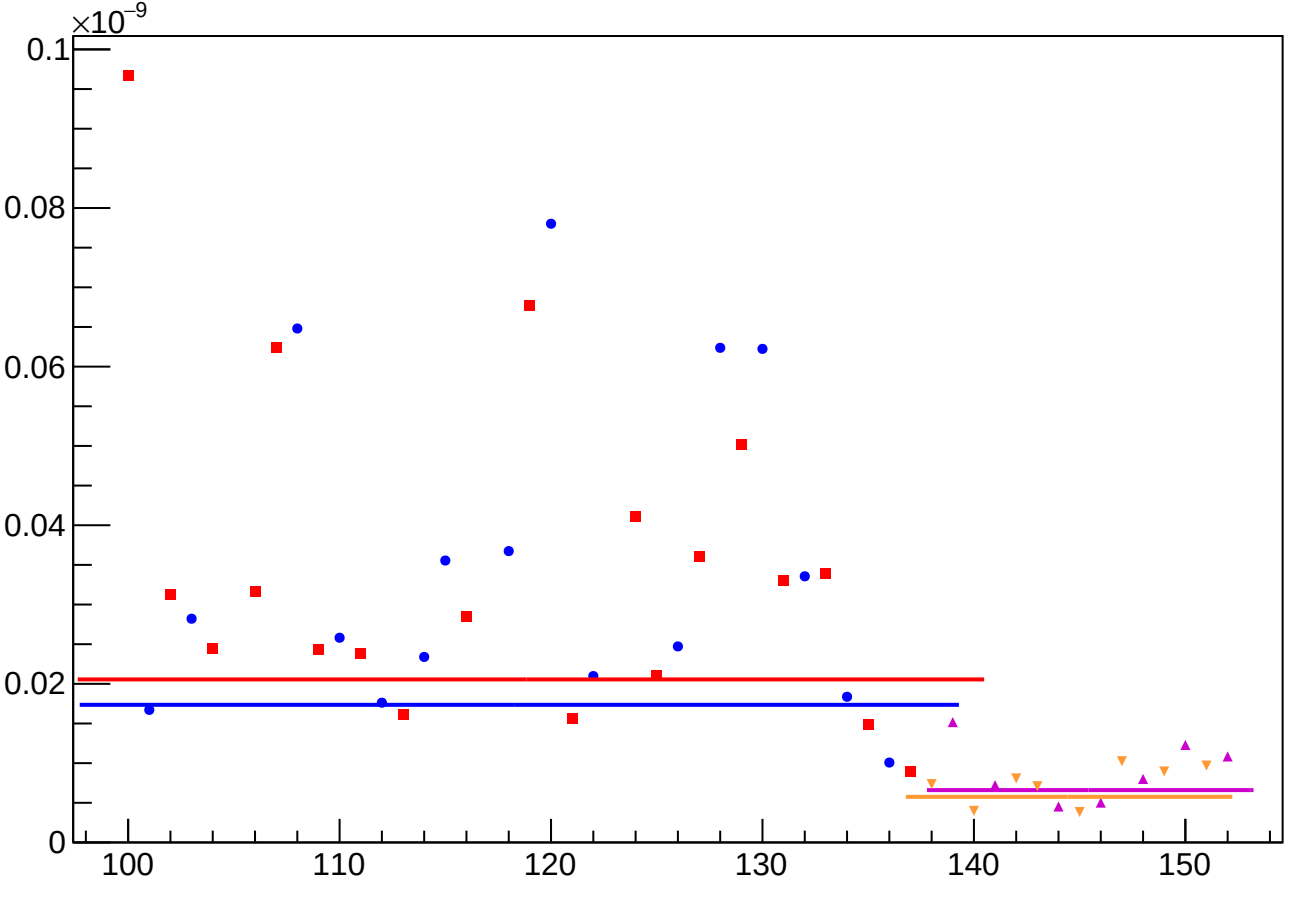
Left: -0.000+/-0.000 χ^2/NDF: 3.5/14

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:19.9/22

Out: 0.000+/-0.000 χ^2/NDF:11.6/26

All: 0.000+/-0.000 χ^2/NDF: 31.5/49



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:1025245.5/6

Left: 0.000+/-0.000 χ^2/NDF: 1929028.6/14

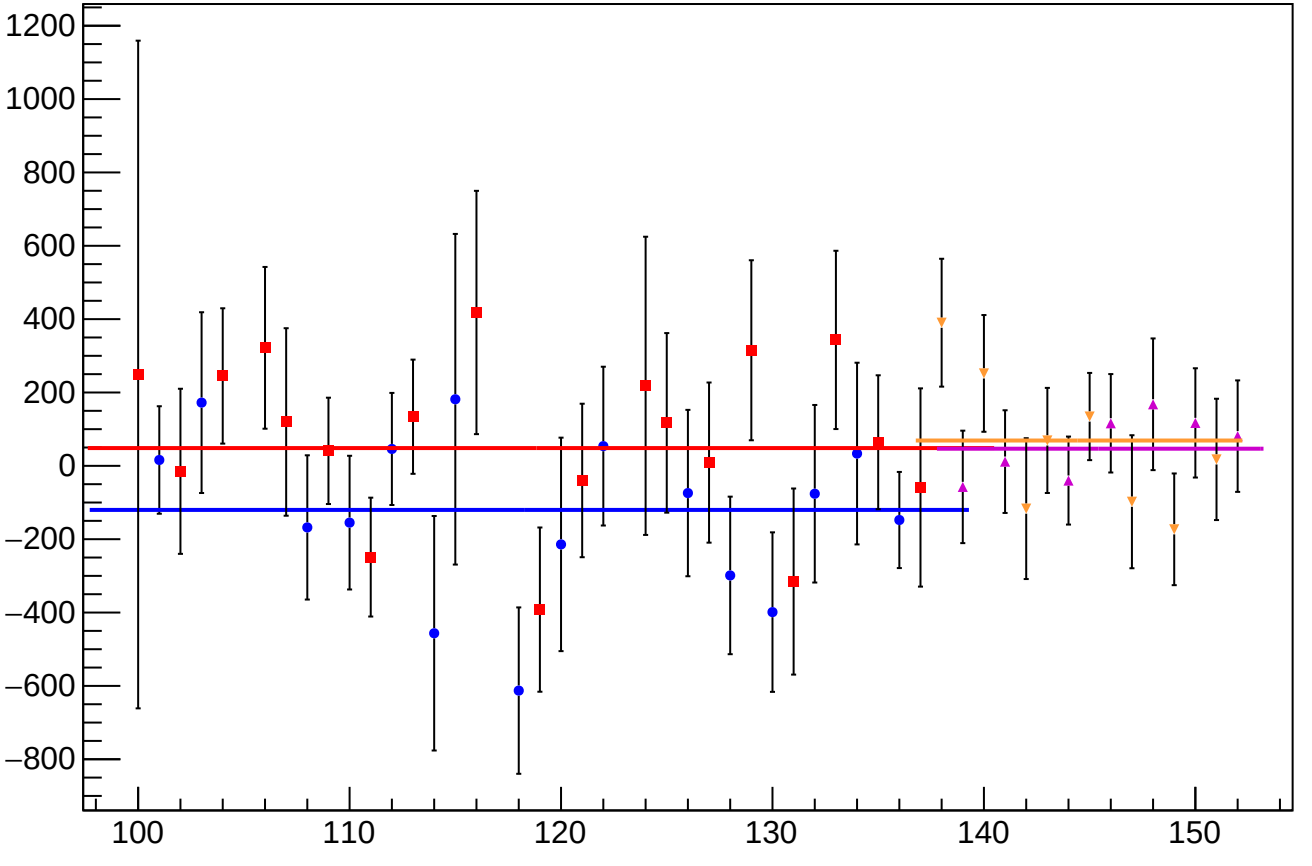
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:5676130.0/22

Out: 0.000+/-0.000 χ^2/NDF:6161617.3/26

All: 0.000+/-0.000 χ^2/NDF: 11923199.1/49

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: 46.739+/-54.397 χ^2/NDF:2.0/6

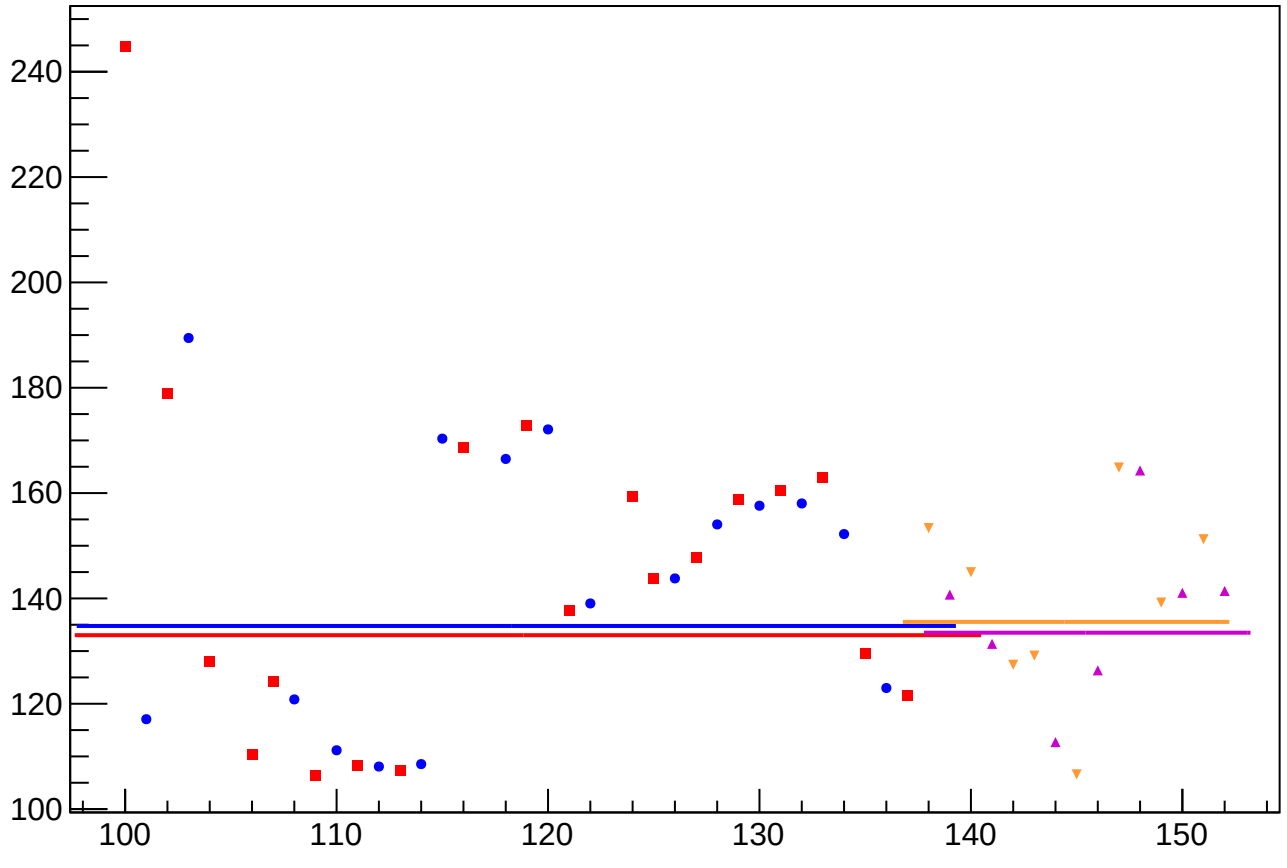
Left: 57.748+/-38.721 χ^2/NDF: 11.6/14

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -41.916+/-37.246 χ^2/NDF:20.5/22

Out: 57.730+/-36.999 χ^2/NDF:26.5/26

All: 8.238+/-26.249 χ^2/NDF: 50.6/49



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: 133.494+/-0.038 χ^2/NDF:139966.7/6

Left: 134.505+/-0.027 χ^2/NDF: 366817.5/14

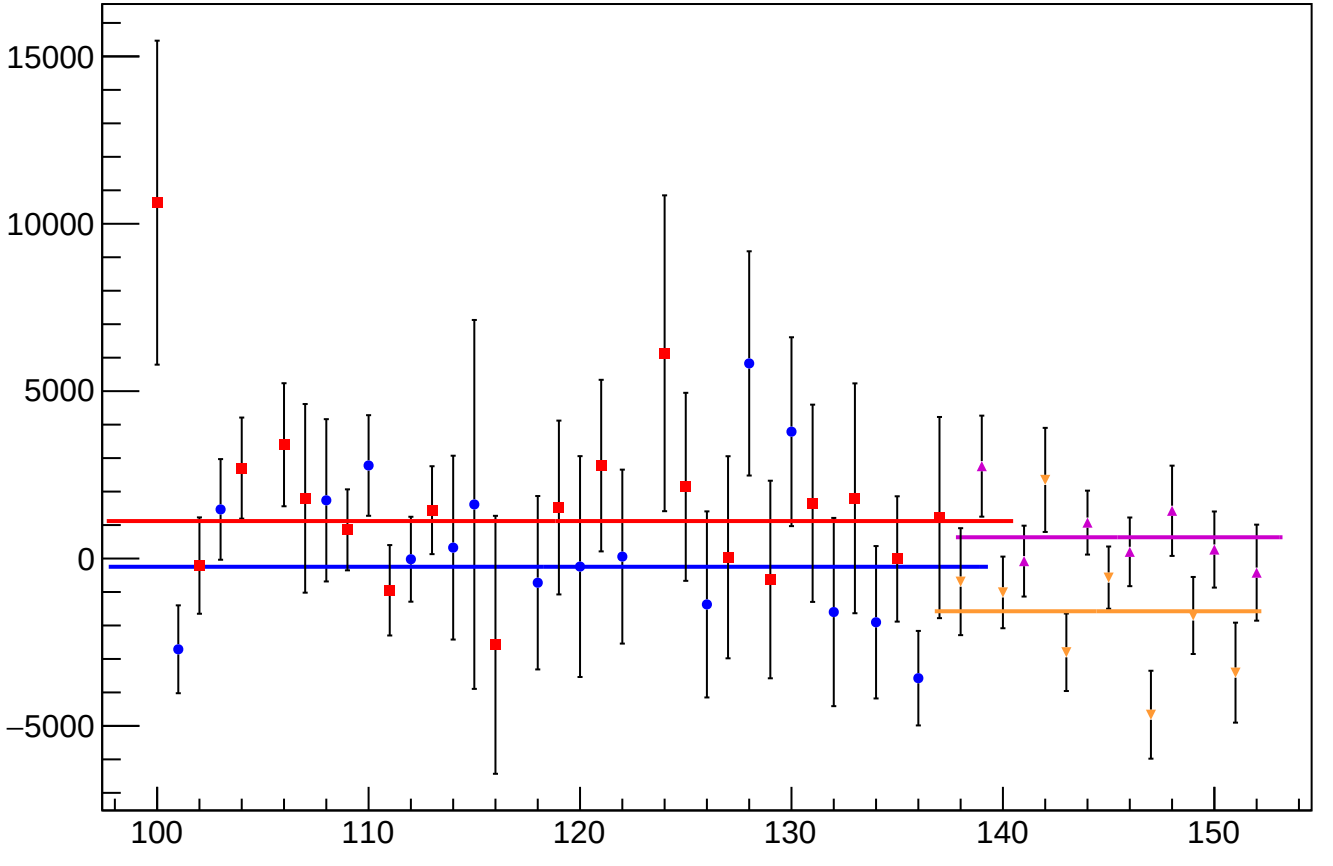
Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 134.172+/-0.026 χ^2/NDF:557331.5/22

Out: 134.157+/-0.026 χ^2/NDF:723471.3/26

All: 134.164+/-0.019 χ^2/NDF: 1280802.9/49

asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected



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: 635.499+/-439.034 χ^2/NDF:3.8/6

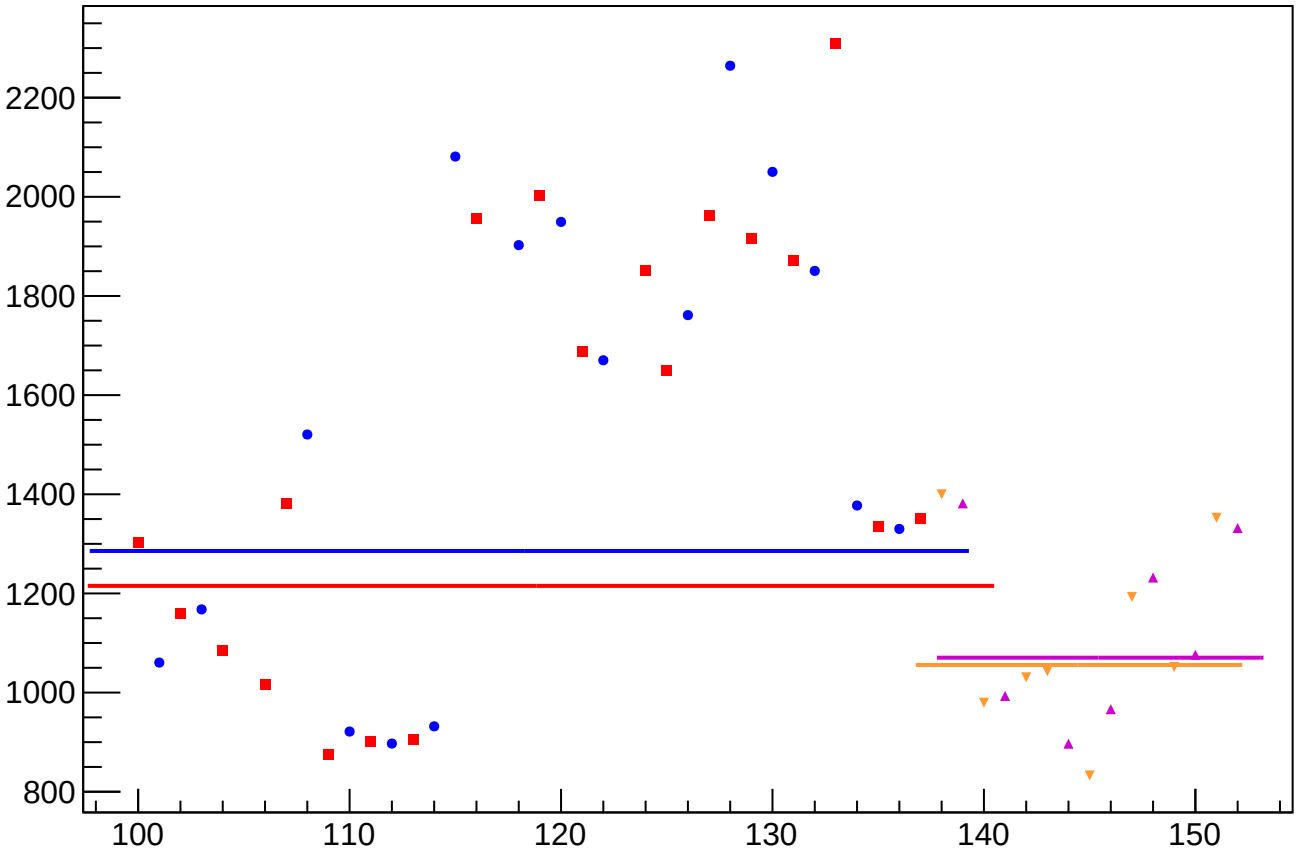
Left: -488.375+/-307.818 χ^2/NDF: 33.0/14

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 252.808+/-330.310 χ^2/NDF:27.2/22

Out: -337.476+/-317.440 χ^2/NDF:47.6/26

All: -54.057+/-228.879 χ^2/NDF: 76.4/49



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: 1070.375+/-0.310 χ^2/NDF:277528.8/6

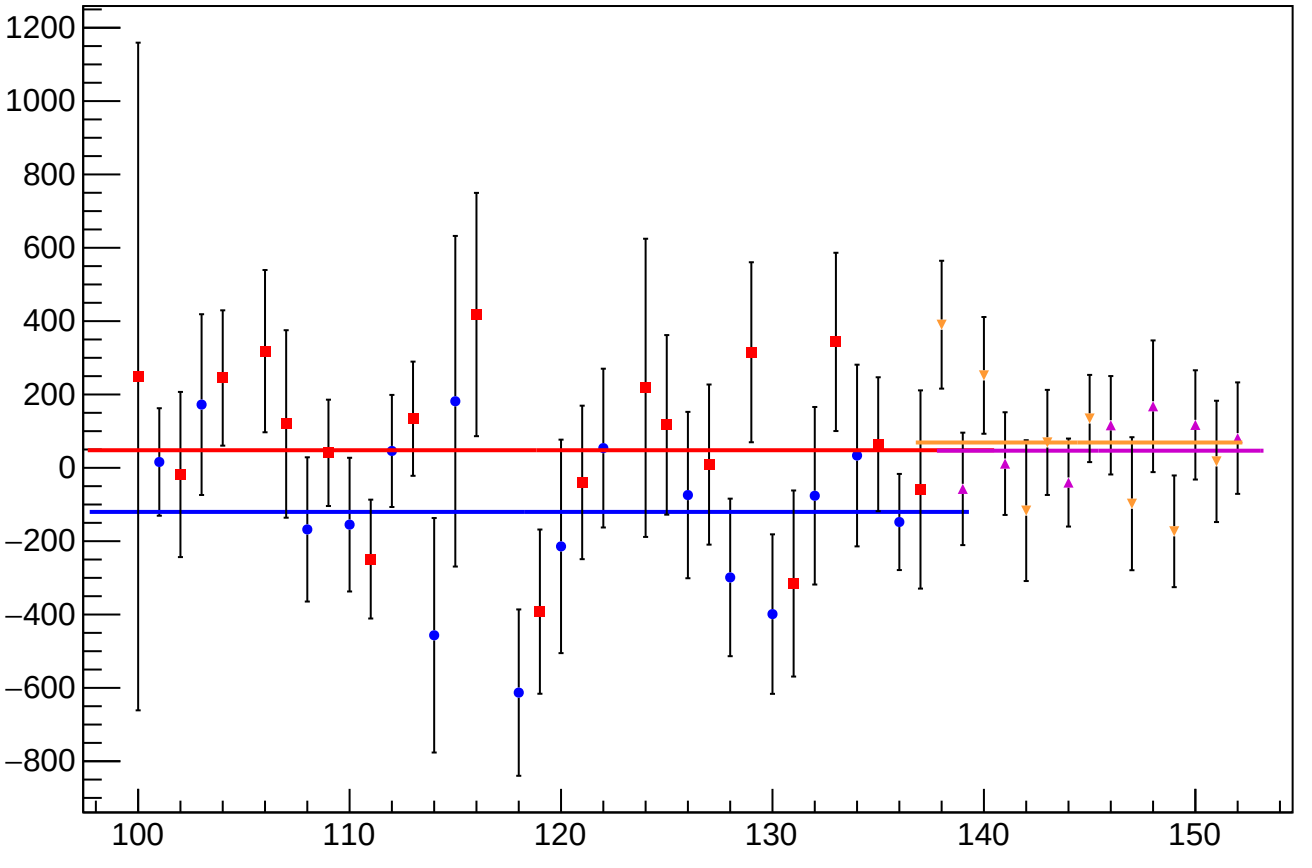
Left: 1062.918+/-0.218 χ^2/NDF: 598254.8/14

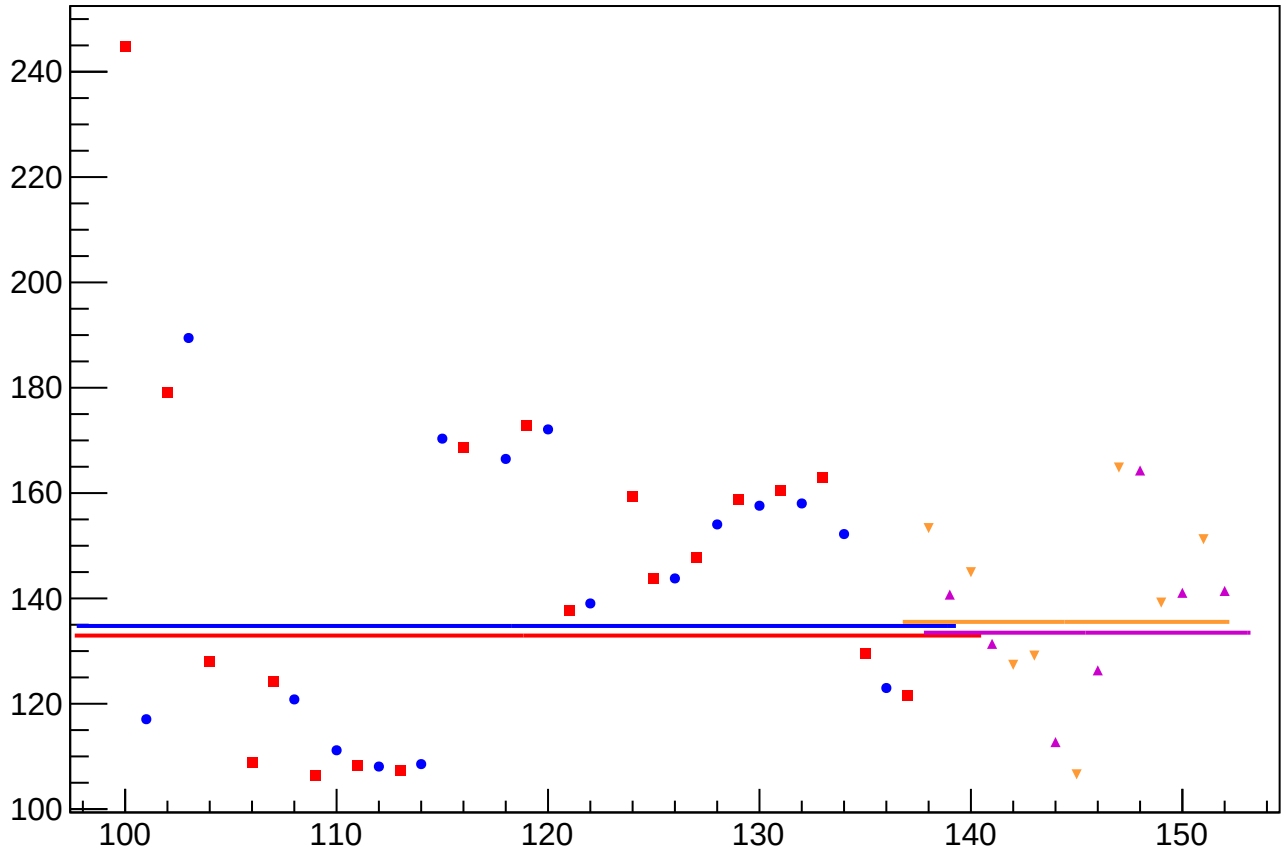
Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1163.804+/-0.234 χ^2/NDF:1656677.6/22

Out: 1128.978+/-0.224 χ^2/NDF:1831322.6/26

All: 1145.699+/-0.162 χ^2/NDF: 3499557.5/49


cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 69.067+/-55.128 χ²/NDF:9.4/7
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 46.745+/-54.397 χ²/NDF:2.0/6
Left: 57.757+/-38.721 χ²/NDF: 11.6/14
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -41.919+/-37.246 χ²/NDF:20.5/22
Out: 57.498+/-37.003 χ²/NDF:26.5/26
All: 8.115+/-26.250 χ²/NDF: 50.5/49



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: 133.494+/-0.038 χ^2/NDF:139966.7/6

Left: 134.505+/-0.027 χ^2/NDF: 366817.5/14

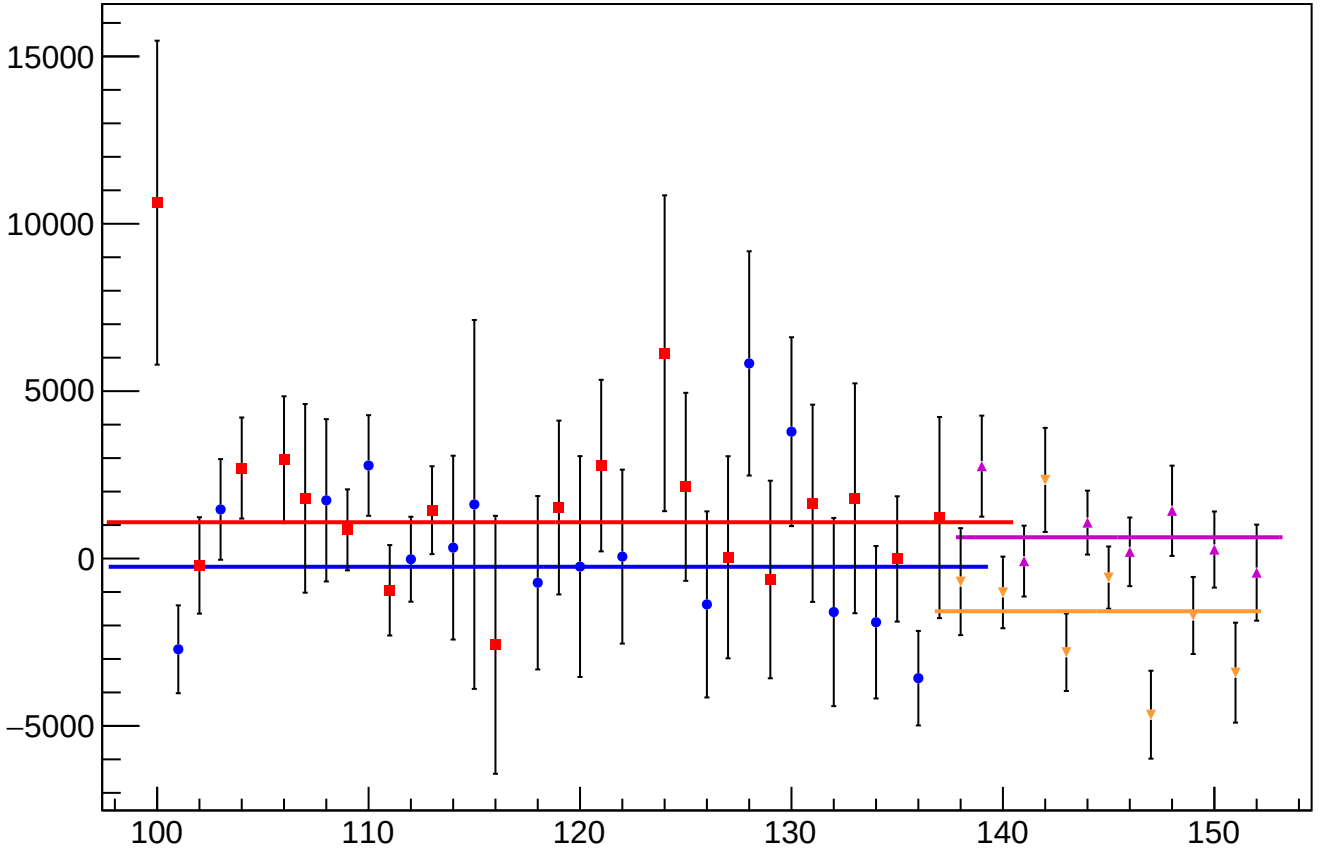
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 134.172+/-0.026 χ^2/NDF:557334.6/22

Out: 134.117+/-0.026 χ^2/NDF:726738.5/26

All: 134.145+/-0.019 χ^2/NDF: 1284075.3/49

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: 635.511+/-439.034 χ^2/NDF:3.8/6

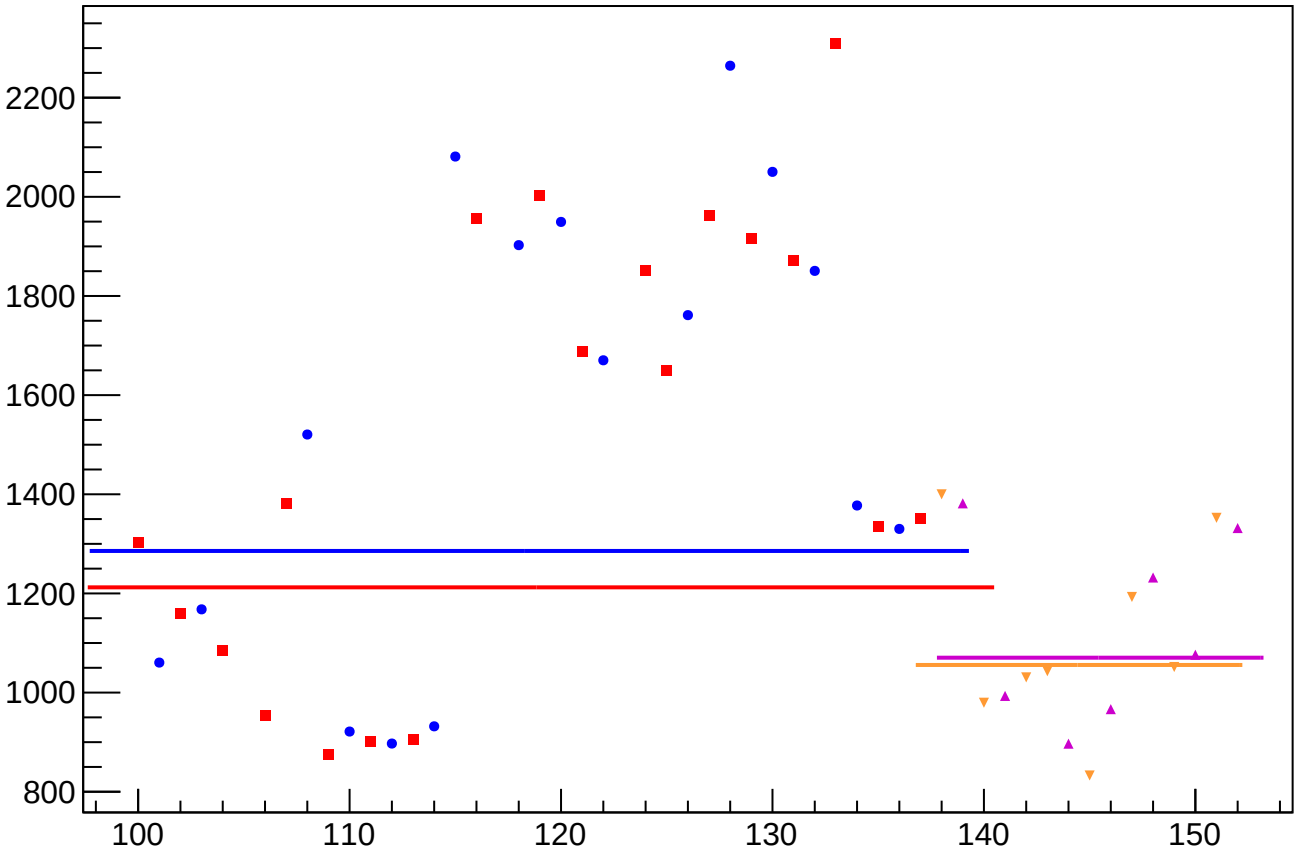
Left: -488.363+/-307.818 χ^2/NDF: 33.0/14

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 252.788+/-330.311 χ^2/NDF:27.2/22

Out: -356.296+/-317.727 χ^2/NDF:46.5/26

All: -63.577+/-228.987 χ^2/NDF: 75.4/49



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: 1070.375+/-0.310 χ^2/NDF:277527.6/6

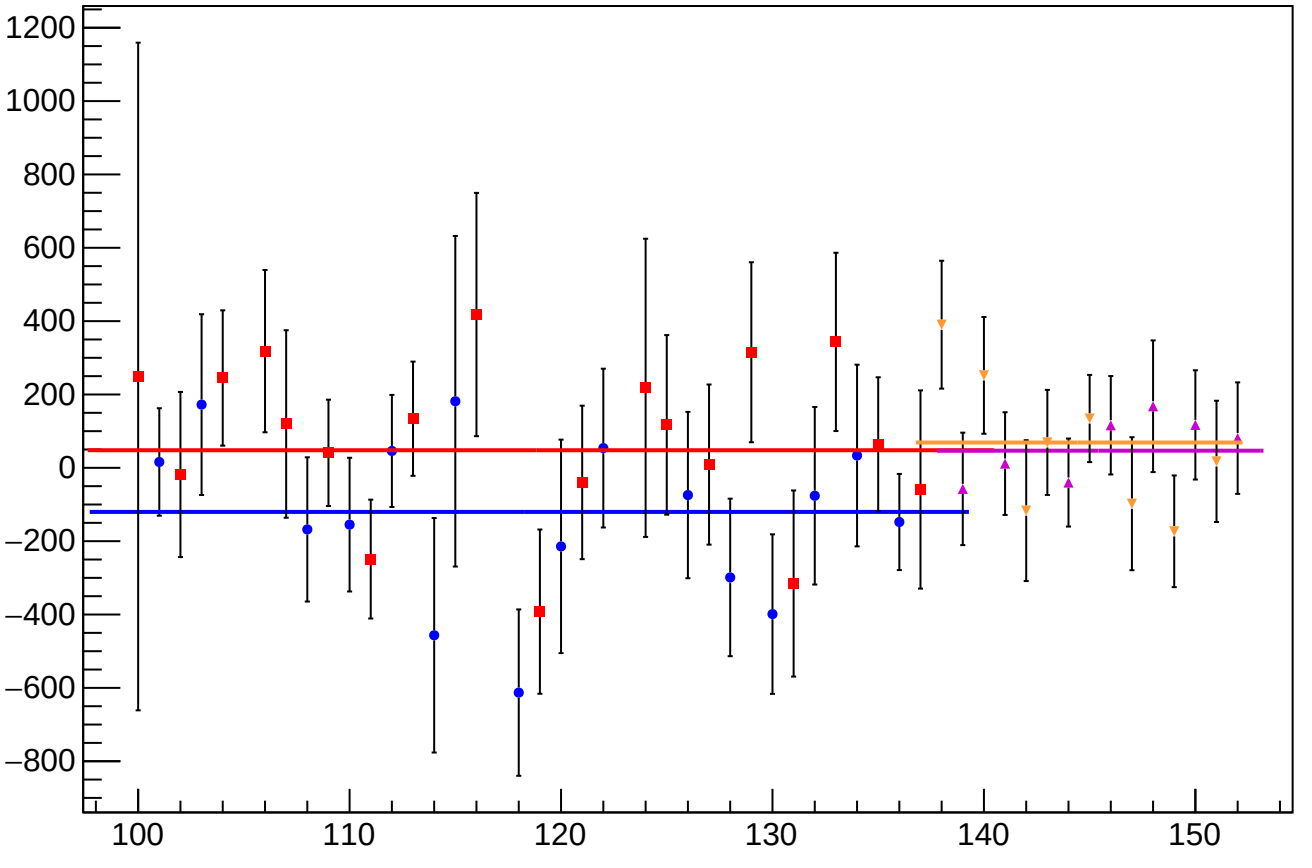
Left: 1062.918+/-0.218 χ^2/NDF: 598256.4/14

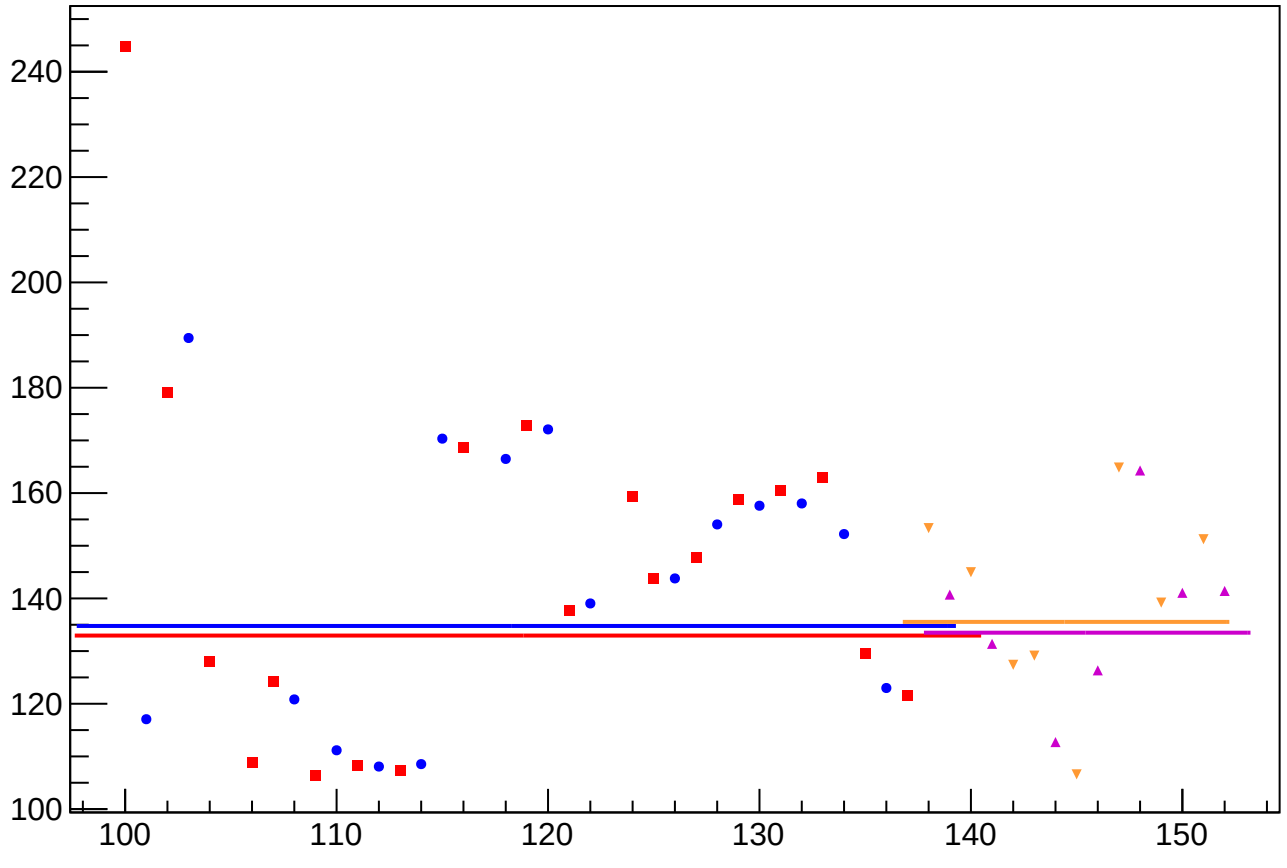
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1163.809+/-0.234 χ^2/NDF:1656674.3/22

Out: 1127.465+/-0.225 χ^2/NDF:1840799.2/26

All: 1144.931+/-0.162 χ^2/NDF: 3510049.9/49


eigen_cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 69.067+/-55.128 χ²/NDF:9.4/7
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 46.745+/-54.397 χ²/NDF:2.0/6
Left: 57.757+/-38.721 χ²/NDF: 11.6/14
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -41.919+/-37.246 χ²/NDF:20.5/22
Out: 57.498+/-37.003 χ²/NDF:26.5/26
All: 8.115+/-26.250 χ²/NDF: 50.5/49



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: 133.494+/-0.038 χ^2/NDF:139966.7/6

Left: 134.505+/-0.027 χ^2/NDF: 366817.5/14

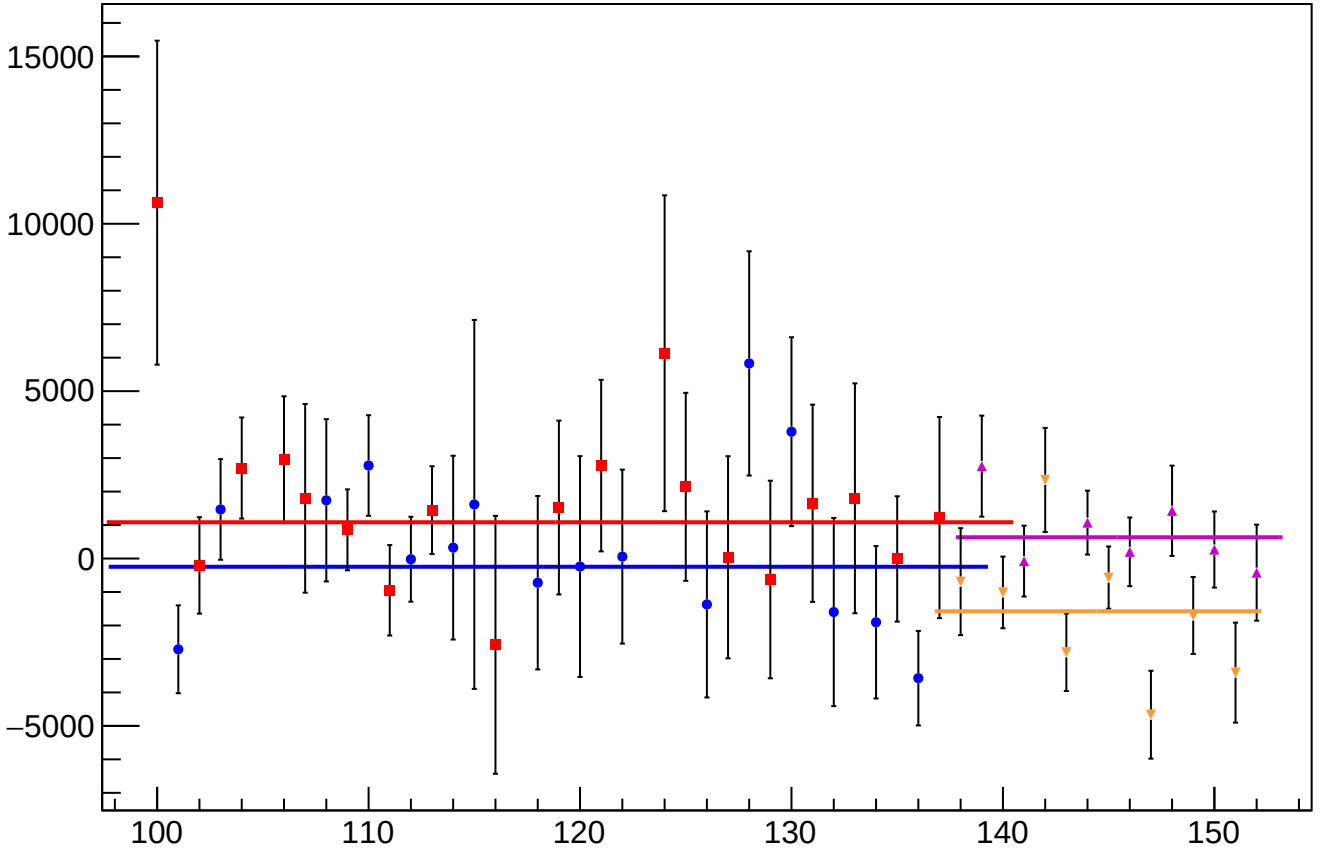
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 134.172+/-0.026 χ^2/NDF:557334.6/22

Out: 134.117+/-0.026 χ^2/NDF:726738.5/26

All: 134.145+/-0.019 χ^2/NDF: 1284075.3/49

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: 635.511+/-439.034 χ^2/NDF:3.8/6

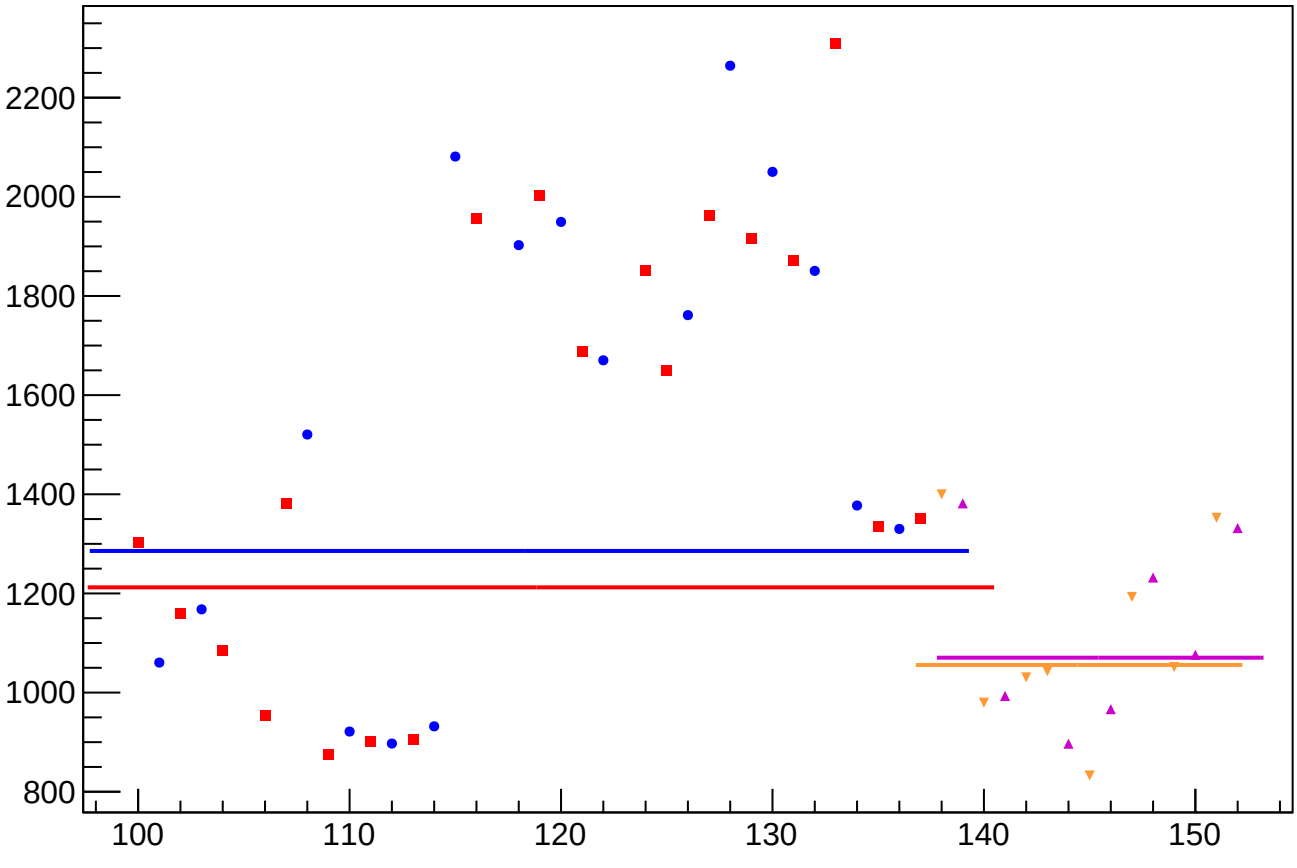
Left: -488.363+/-307.818 χ^2/NDF: 33.0/14

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 252.788+/-330.311 χ^2/NDF:27.2/22

Out: -356.296+/-317.727 χ^2/NDF:46.5/26

All: -63.577+/-228.987 χ^2/NDF: 75.4/49



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: 1070.375+/-0.310 χ^2/NDF:277527.6/6

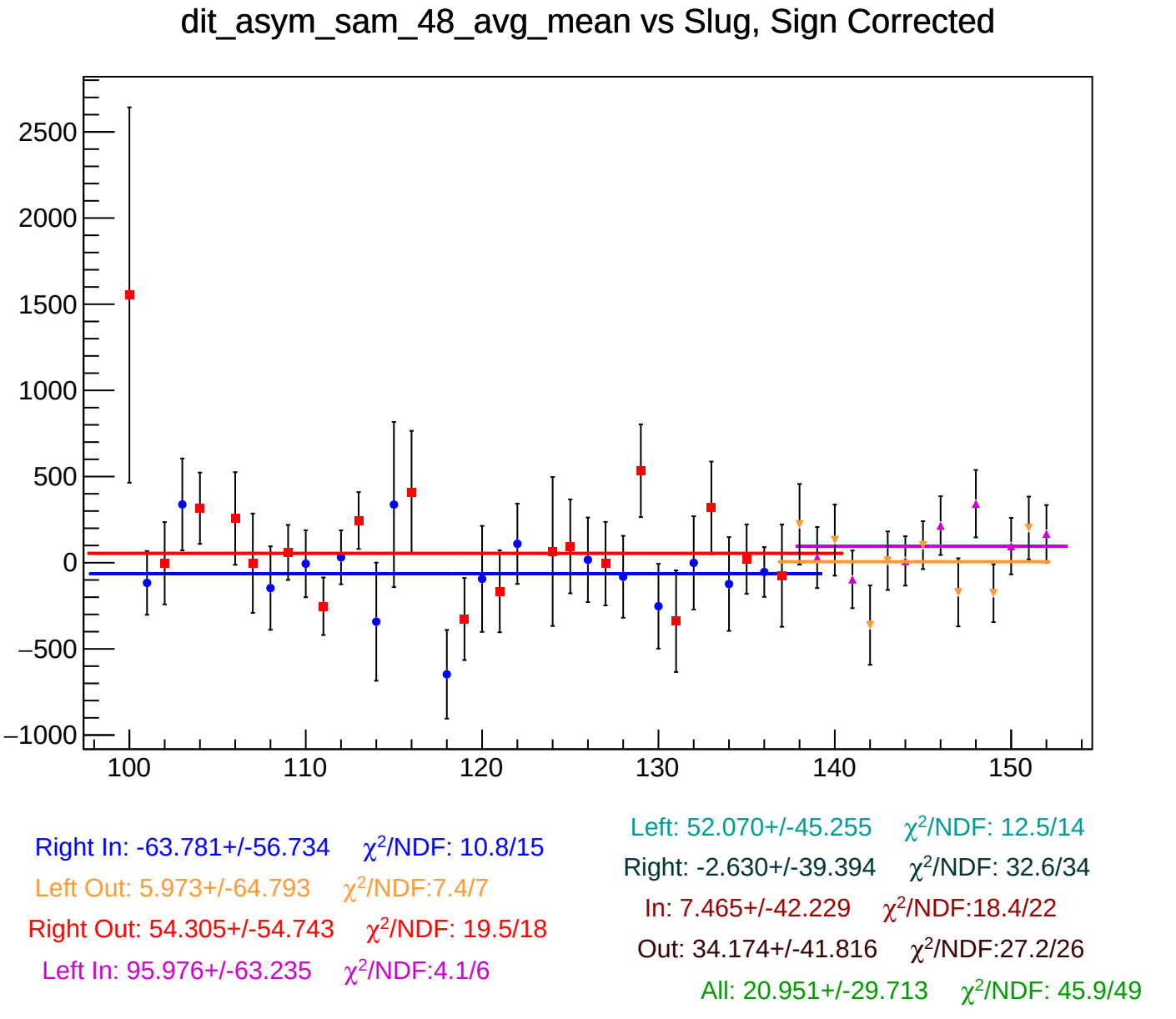
Left: 1062.918+/-0.218 χ^2/NDF: 598256.4/14

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

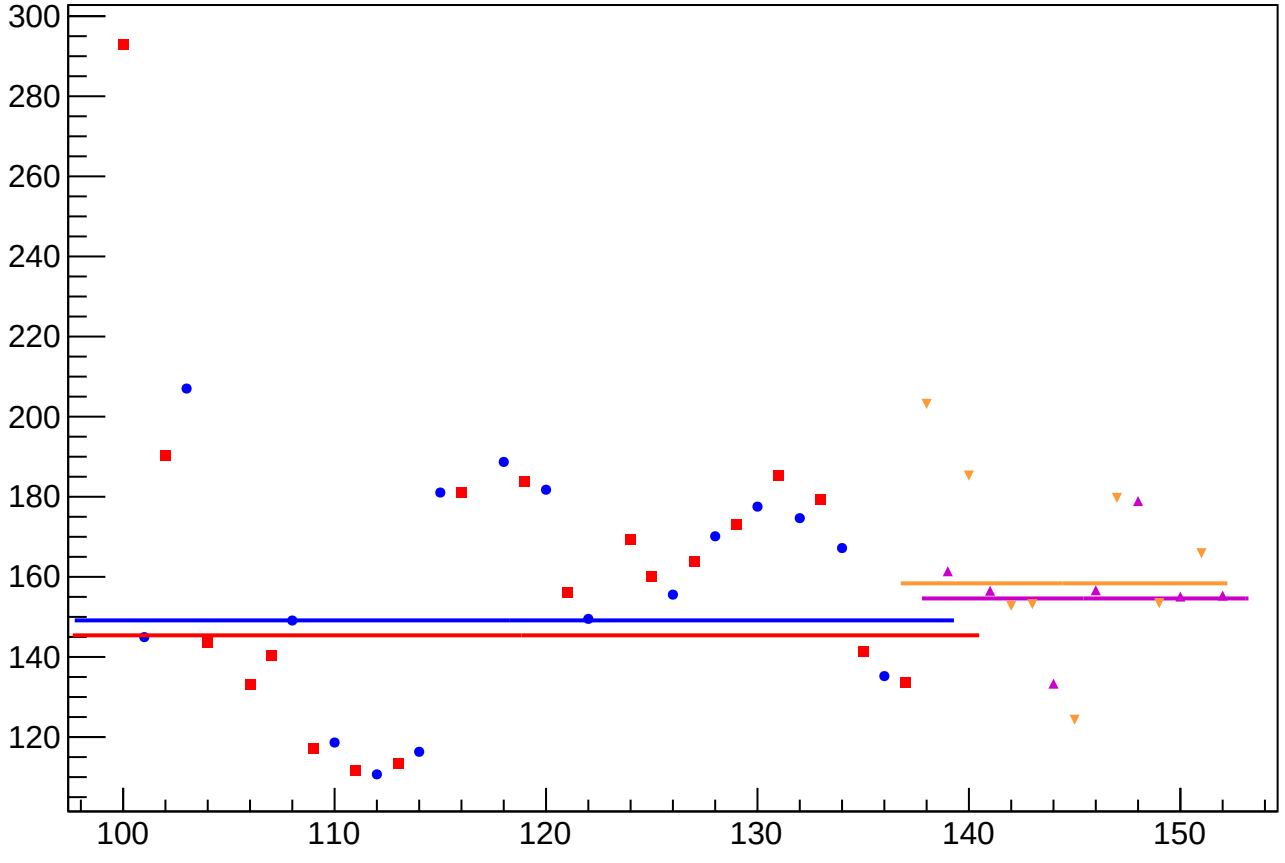
In: 1163.809+/-0.234 χ^2/NDF:1656674.3/22

Out: 1127.465+/-0.225 χ^2/NDF:1840799.2/26

All: 1144.931+/-0.162 χ^2/NDF: 3510049.9/49


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: -63.781+/-56.734 χ²/NDF: 10.8/15
Left Out: 5.973+/-64.793 χ²/NDF:7.4/7
Right Out: 54.305+/-54.743 χ²/NDF: 19.5/18
Left In: 95.976+/-63.235 χ²/NDF:4.1/6
Left: 52.070+/-45.255 χ²/NDF: 12.5/14
Right: -2.630+/-39.394 χ²/NDF: 32.6/34
In: 7.465+/-42.229 χ²/NDF:18.4/22
Out: 34.174+/-41.816 χ²/NDF:27.2/26
All: 20.951+/-29.713 χ²/NDF: 45.9/49

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.382+/-0.046 χ^2/NDF:258793.0/7

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 154.610+/-0.045 χ^2/NDF:78564.8/6

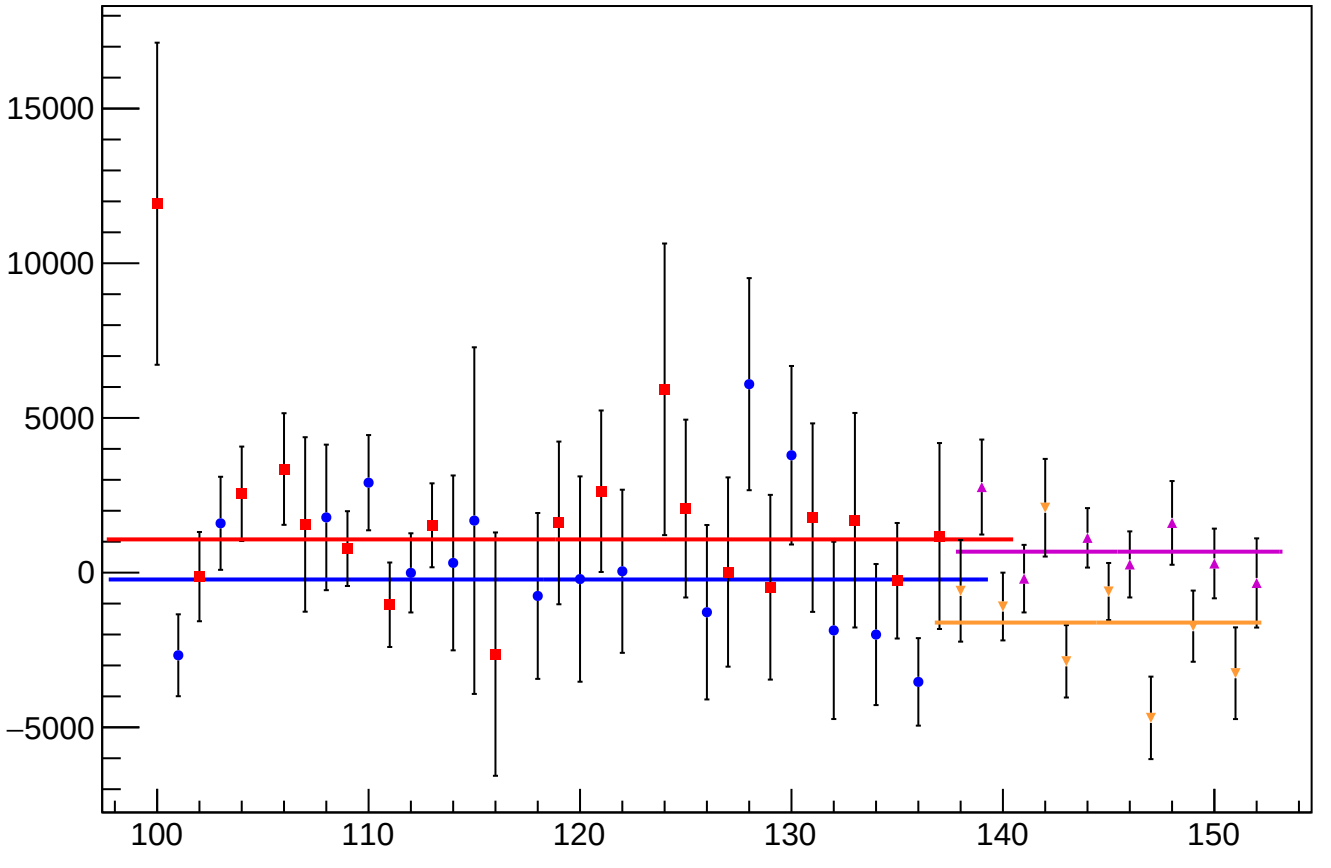
Left: 156.450+/-0.032 χ^2/NDF: 340828.6/14

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 151.574+/-0.030 χ^2/NDF:537890.0/22

Out: 150.807+/-0.030 χ^2/NDF:831465.8/26

All: 151.187+/-0.021 χ^2/NDF: 1369689.4/49



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: 677.259+/-445.557 χ^2/NDF:3.9/6

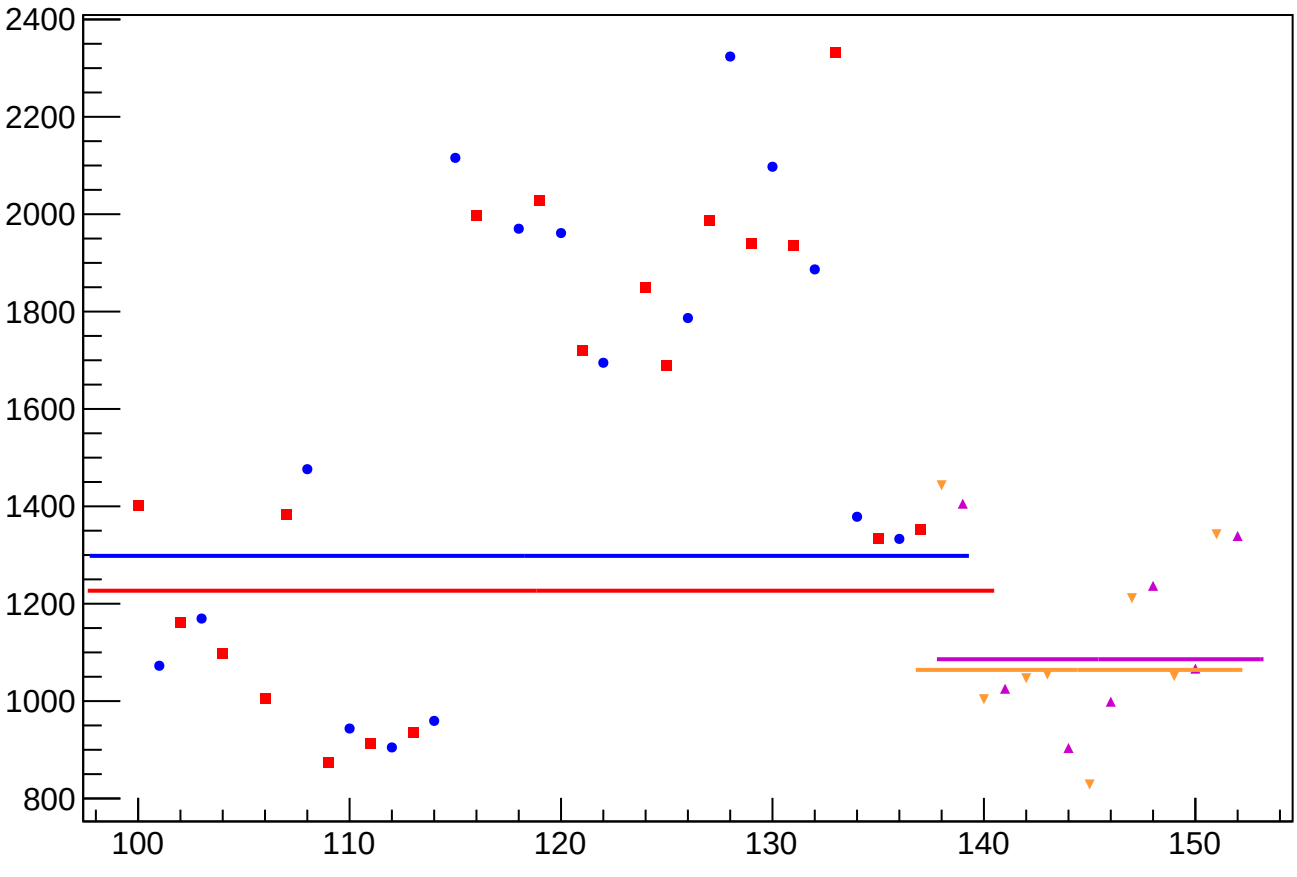
Left: -495.966+/-311.251 χ^2/NDF: 32.5/14

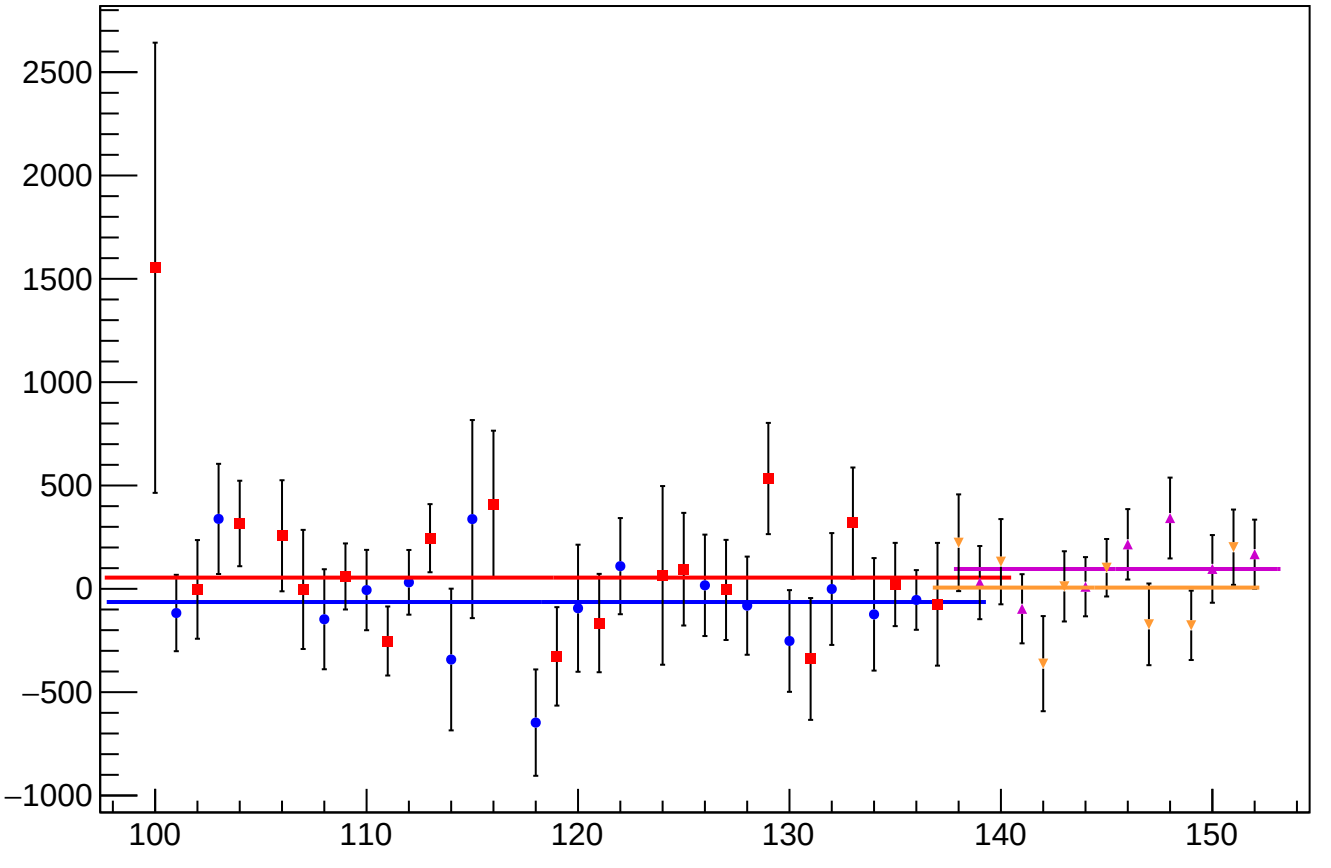
Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 285.029+/-334.453 χ^2/NDF:27.6/22

Out: -381.721+/-320.121 χ^2/NDF:46.2/26

All: -62.938+/-231.260 χ^2/NDF: 75.8/49


asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1298.293+/-0.358 χ²/NDF: 1182123.0/15
Left Out: 1064.108+/-0.308 χ²/NDF:338345.5/7
Right Out: 1226.729+/-0.334 χ²/NDF: 1404521.7/18
Left In: 1086.004+/-0.315 χ²/NDF:265092.3/6
Left: 1074.793+/-0.220 χ²/NDF: 605910.9/14
Right: 1260.073+/-0.244 χ²/NDF: 2607993.3/34
In: 1178.676+/-0.236 χ²/NDF:1645414.8/22
Out: 1138.653+/-0.226 χ²/NDF:1871005.1/26
All: 1157.789+/-0.164 χ²/NDF: 3531367.4/49



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: 95.978+/-63.235 χ^2/NDF:4.1/6

Left: 52.070+/-45.255 χ^2/NDF: 12.5/14

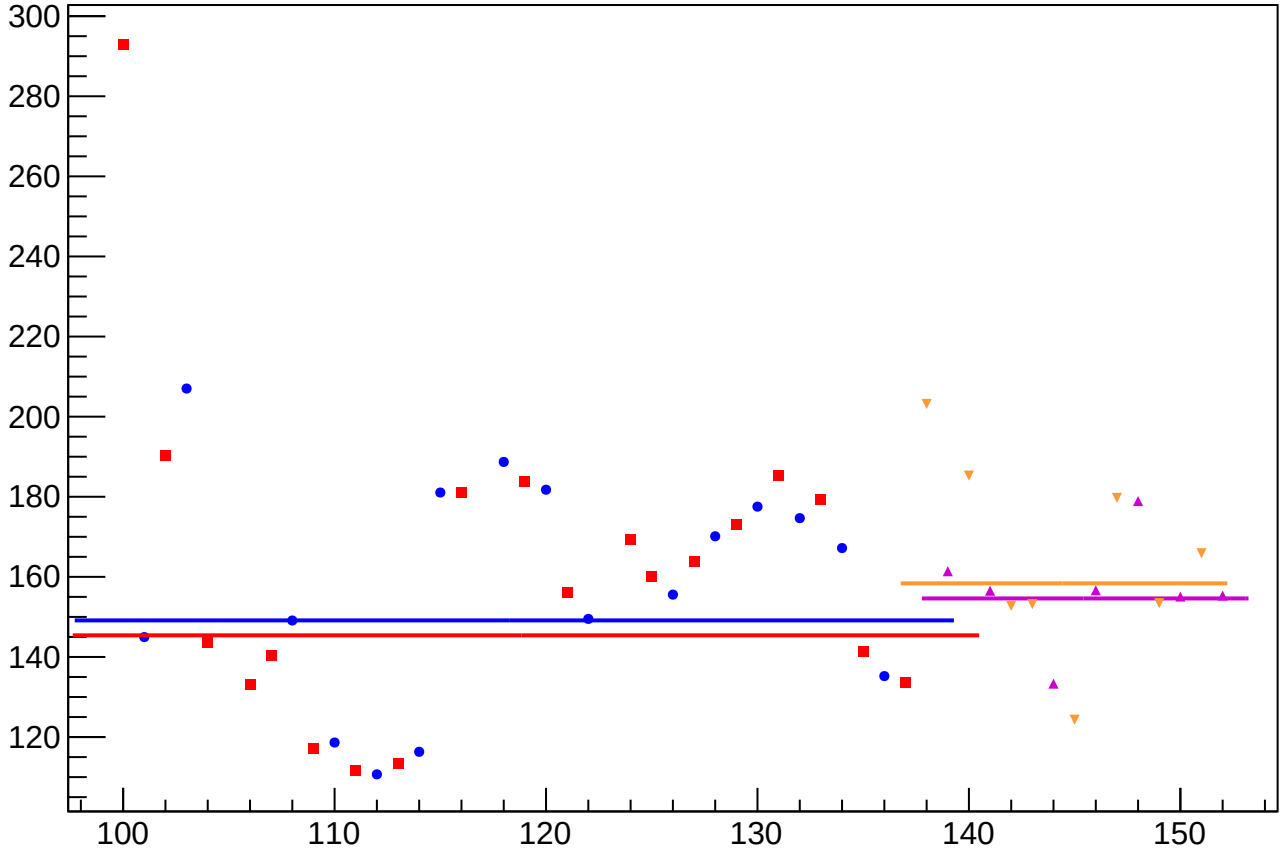
Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 7.467+/-42.229 χ^2/NDF:18.4/22

Out: 34.174+/-41.816 χ^2/NDF:27.2/26

All: 20.952+/-29.713 χ^2/NDF: 45.9/49

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: 154.611+/-0.045 χ^2/NDF:78563.2/6

Left: 156.451+/-0.032 χ^2/NDF: 340820.9/14

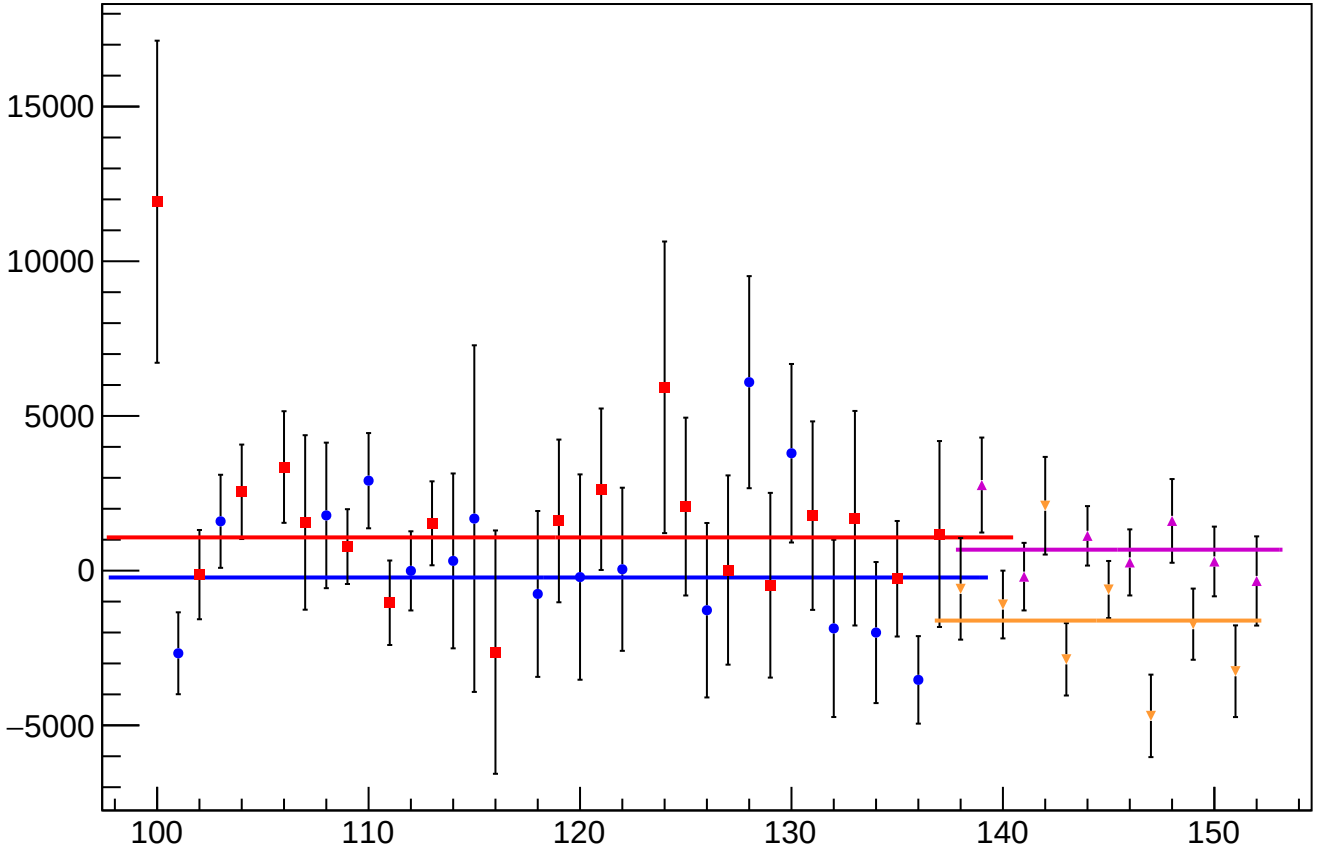
Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 151.574+/-0.030 χ^2/NDF:537891.1/22

Out: 150.807+/-0.030 χ^2/NDF:831465.1/26

All: 151.187+/-0.021 χ^2/NDF: 1369689.9/49

asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1614.168+/-434.983 χ^2/NDF:15.0/7

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 677.258+/-445.557 χ^2/NDF:3.9/6

Left: -495.966+/-311.251 χ^2/NDF: 32.5/14

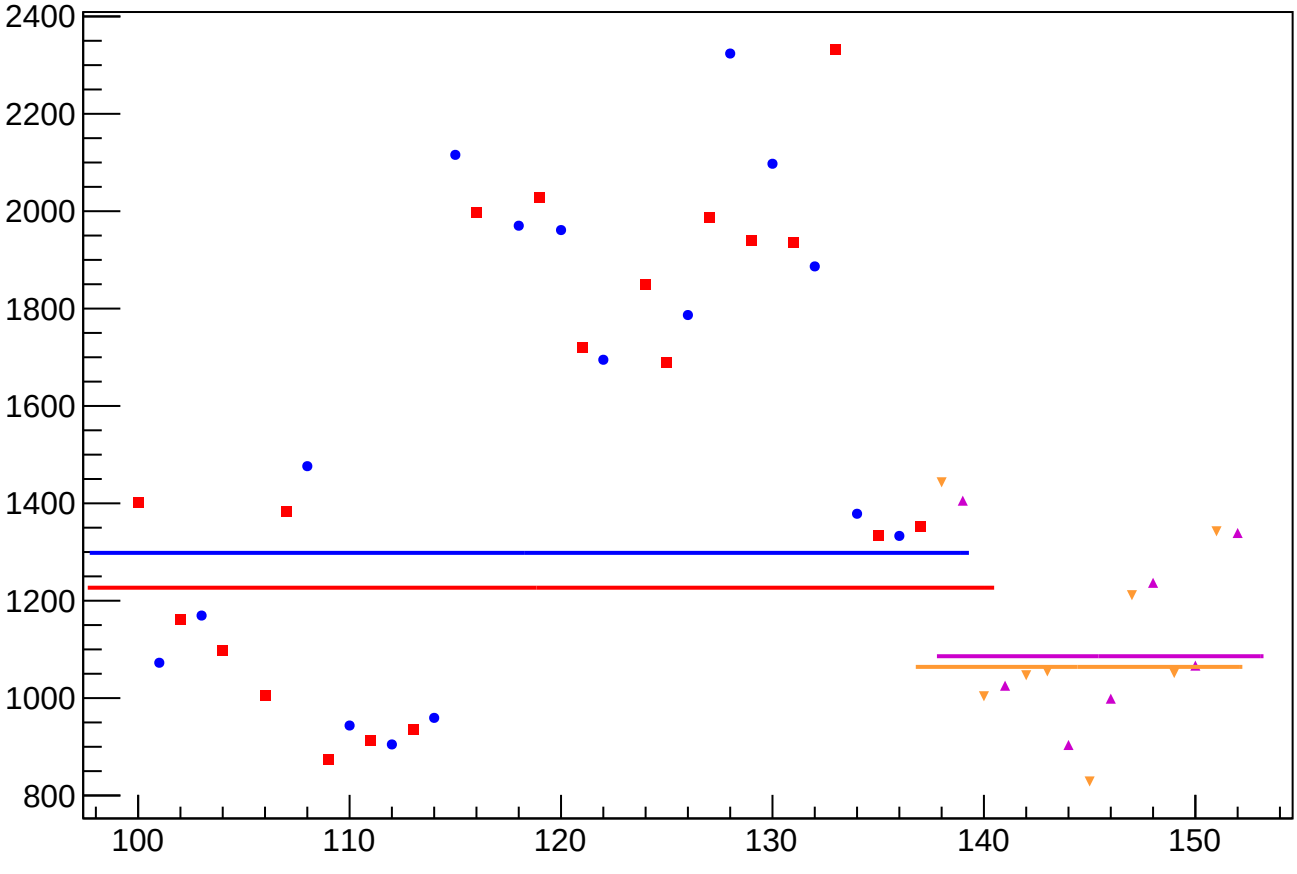
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 285.029+/-334.453 χ^2/NDF:27.6/22

Out: -381.721+/-320.120 χ^2/NDF:46.2/26

All: -62.938+/-231.260 χ^2/NDF: 75.8/49

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: 1086.003+/-0.315 χ^2/NDF:265091.6/6

Left: 1074.792+/-0.220 χ^2/NDF: 605913.0/14

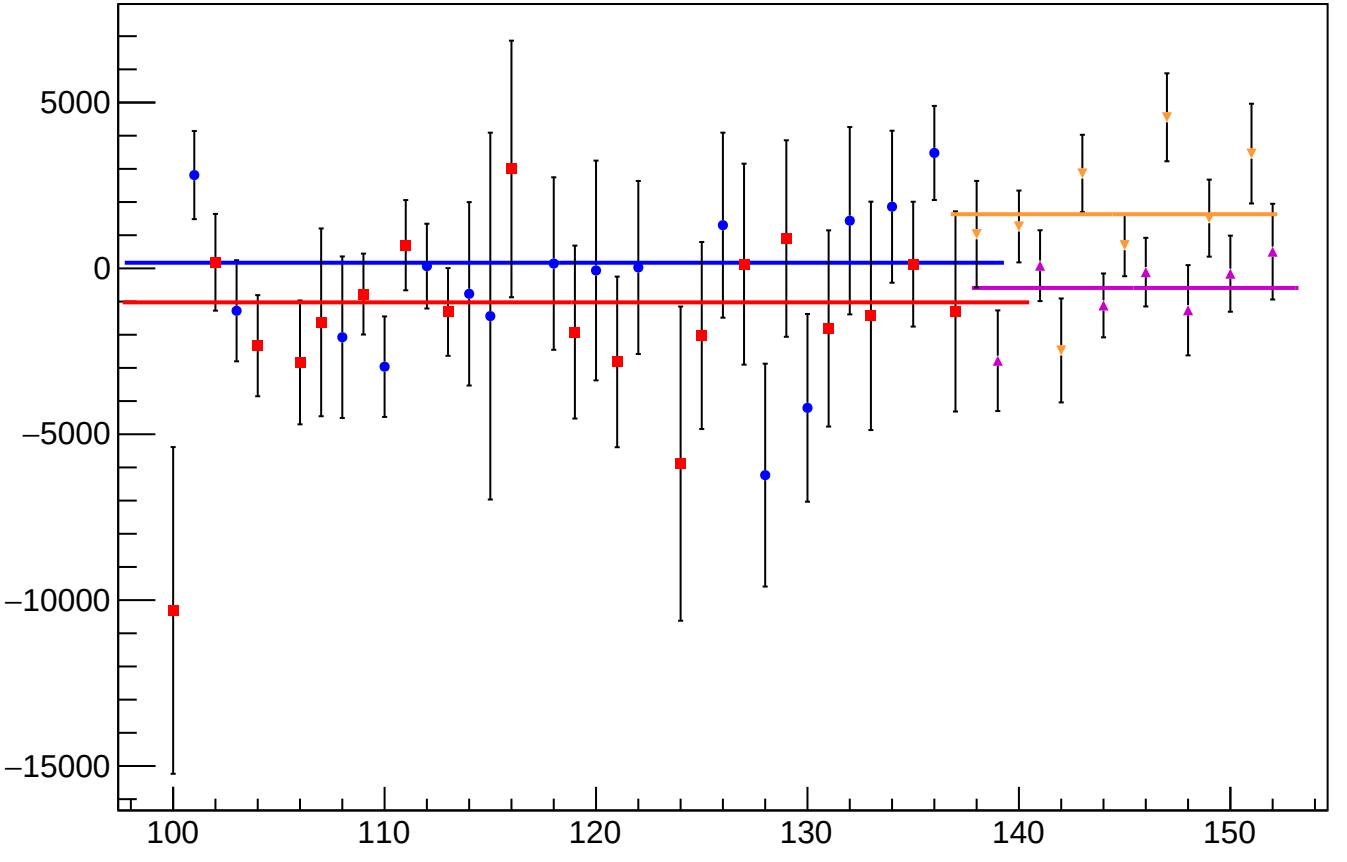
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1178.675+/-0.236 χ^2/NDF:1645417.5/22

Out: 1138.651+/-0.226 χ^2/NDF:1871011.1/26

All: 1157.787+/-0.164 χ^2/NDF: 3531376.4/49

asym_sam_48_avg_mean vs Slug, Sign Corrected



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: -589.346+/-442.570 χ^2/NDF:4.0/6

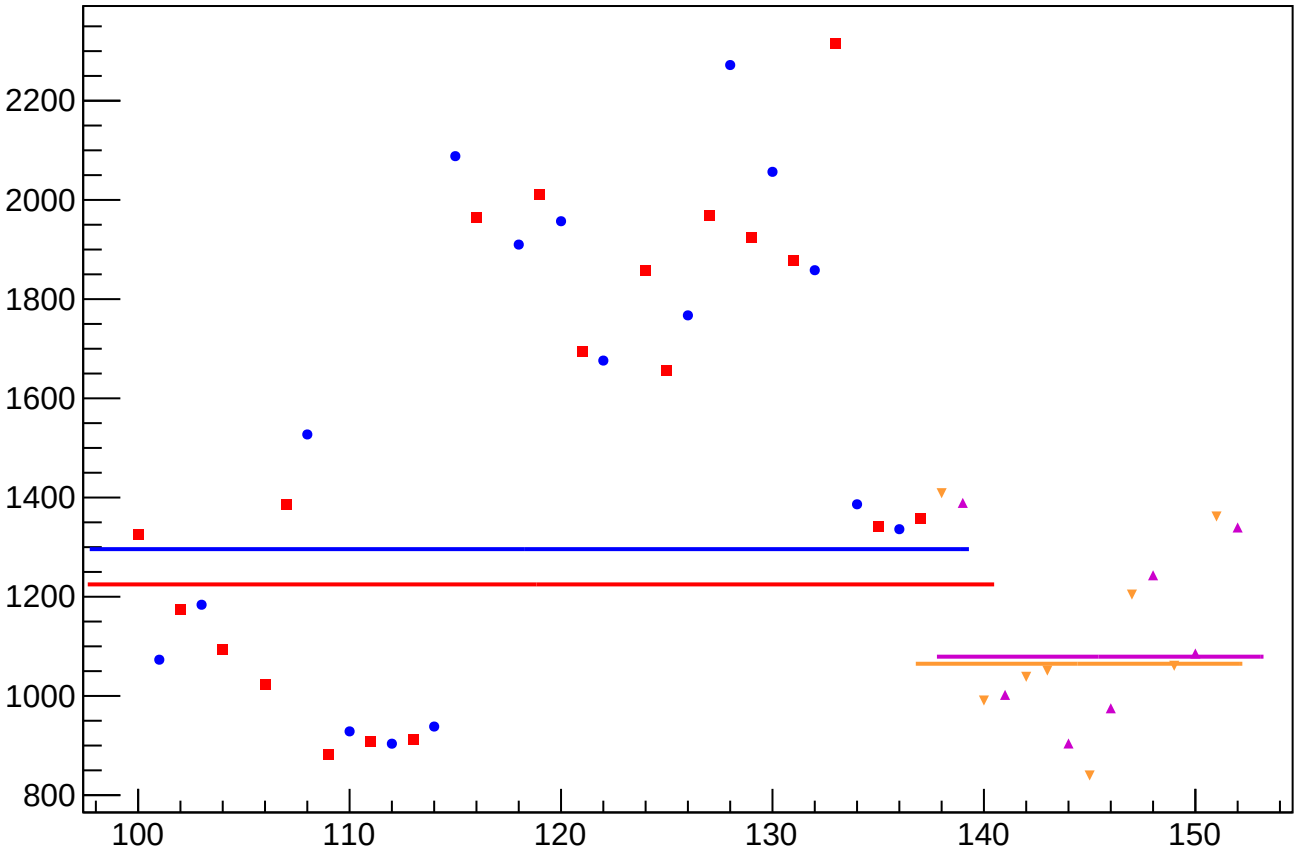
Left: 540.175+/-310.377 χ^2/NDF: 32.3/14

Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -259.128+/-332.880 χ^2/NDF:27.8/22

Out: 411.874+/-320.033 χ^2/NDF:44.3/26

All: 89.570+/-230.705 χ^2/NDF: 74.2/49



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: 1079.176+/-0.313 χ^2/NDF:274657.3/6

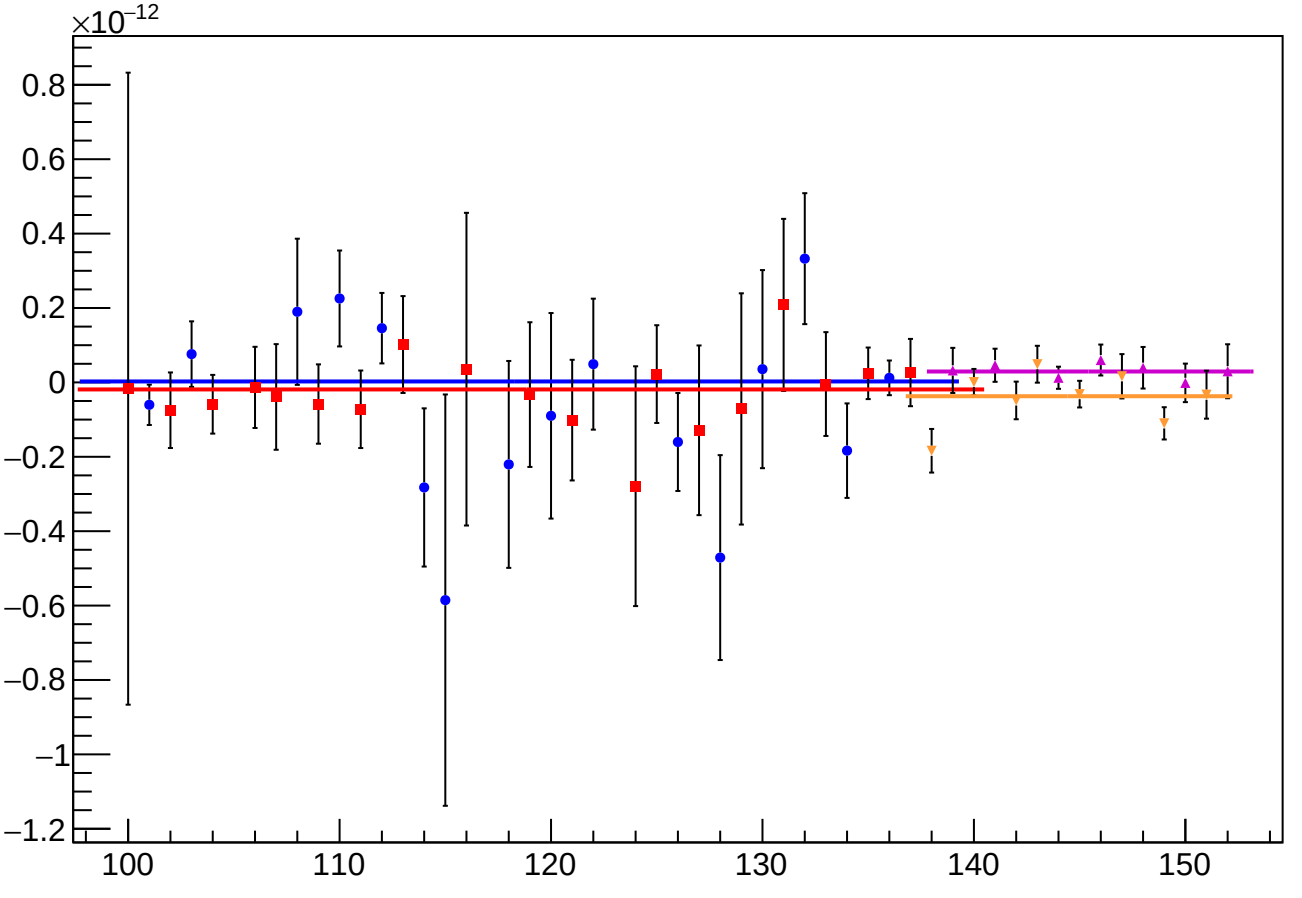
Left: 1071.928+/-0.219 χ^2/NDF: 593108.5/14

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1173.330+/-0.235 χ^2/NDF:1637285.1/22

Out: 1138.449+/-0.226 χ^2/NDF:1812779.8/26

All: 1155.203+/-0.163 χ^2/NDF: 3461477.3/49



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:1.4/6

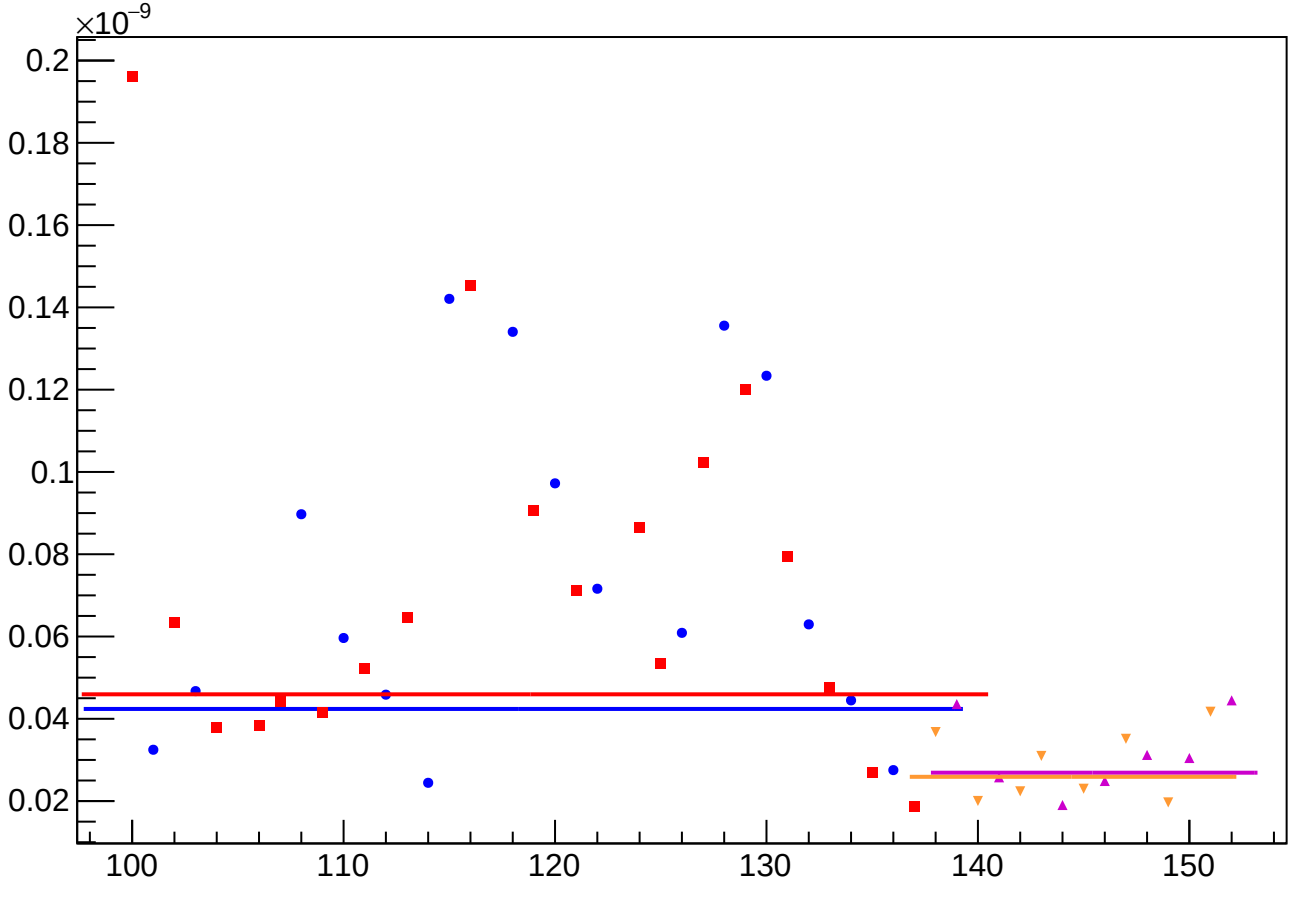
Left: -0.000+/-0.000 χ^2/NDF: 23.3/14

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:24.3/22

Out: -0.000+/-0.000 χ^2/NDF:19.2/26

All: -0.000+/-0.000 χ^2/NDF: 50.6/49



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:435489.5/6

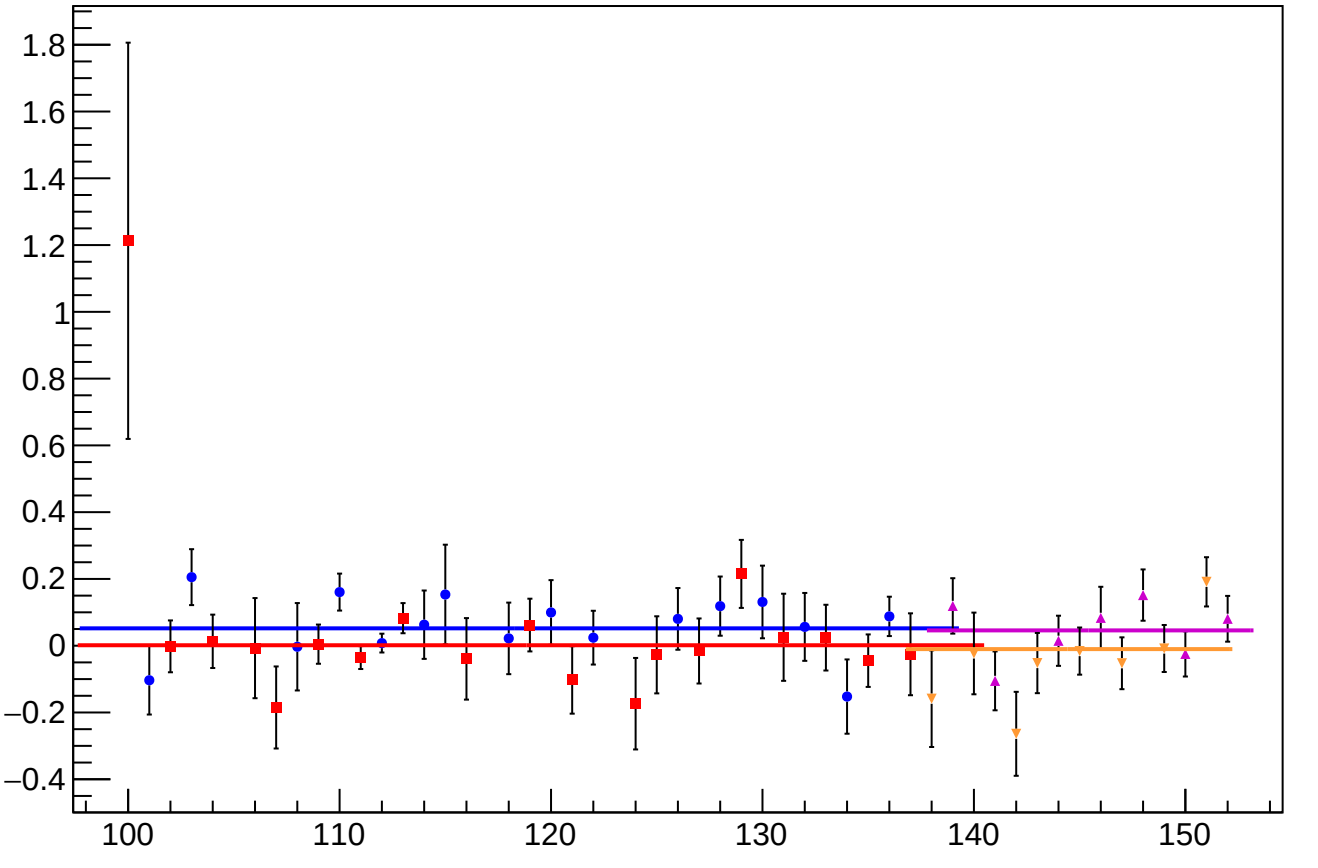
Left: 0.000+/-0.000 χ^2/NDF: 816510.5/14

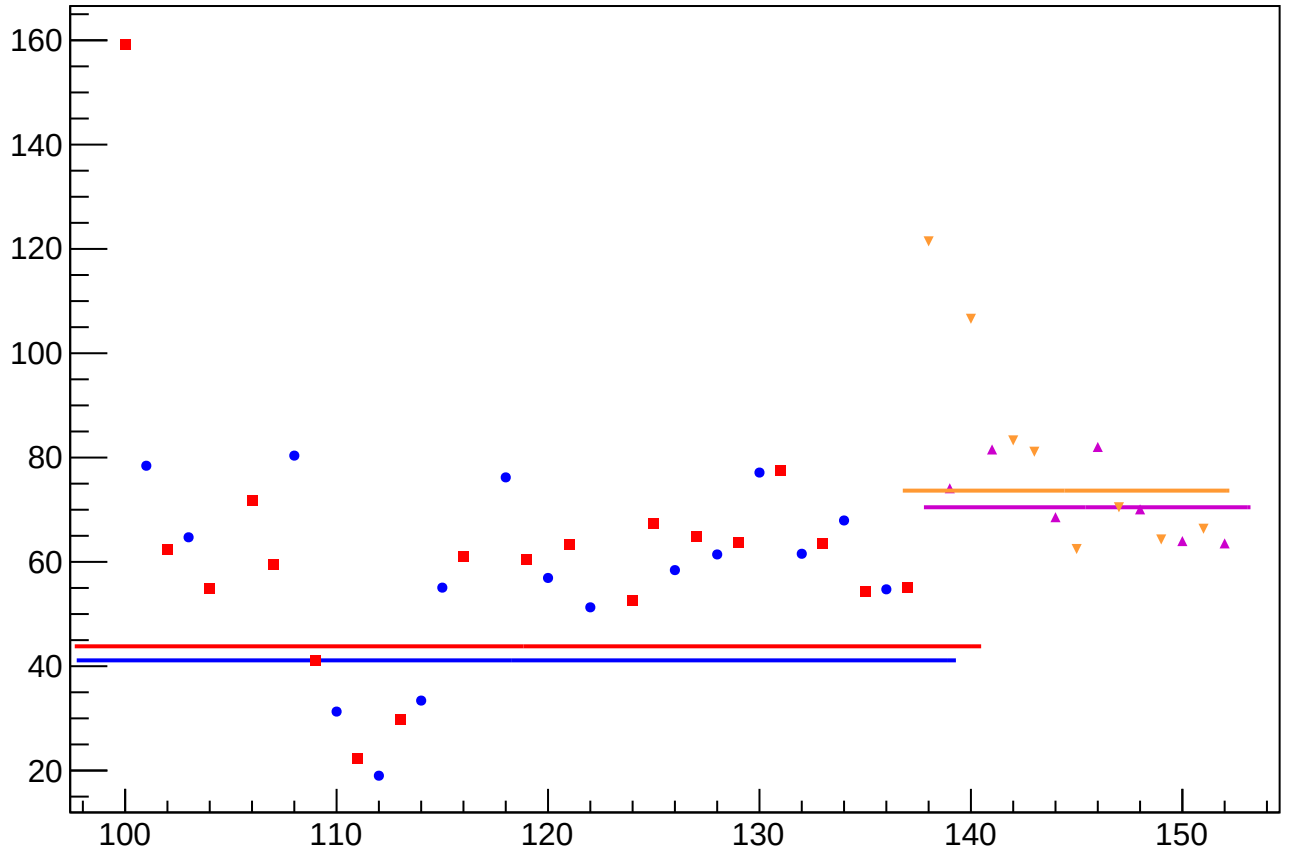
Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2249030.3/22

Out: 0.000+/-0.000 χ^2/NDF:2225357.3/26

All: 0.000+/-0.000 χ^2/NDF: 4476379.0/49


asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.052+/-0.018 χ²/NDF: 18.0/15
Left Out: -0.010+/-0.031 χ²/NDF:13.1/7
Right Out: 0.001+/-0.018 χ²/NDF: 19.2/18
Left In: 0.046+/-0.029 χ²/NDF:7.3/6
Left: 0.019+/-0.021 χ²/NDF: 22.1/14
Right: 0.027+/-0.013 χ²/NDF: 41.2/34
In: 0.050+/-0.015 χ²/NDF:25.3/22
Out: -0.002+/-0.015 χ²/NDF:32.5/26
All: 0.025+/-0.011 χ²/NDF: 63.5/49



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: 70.473+/-0.021 χ^2/NDF:106423.7/6

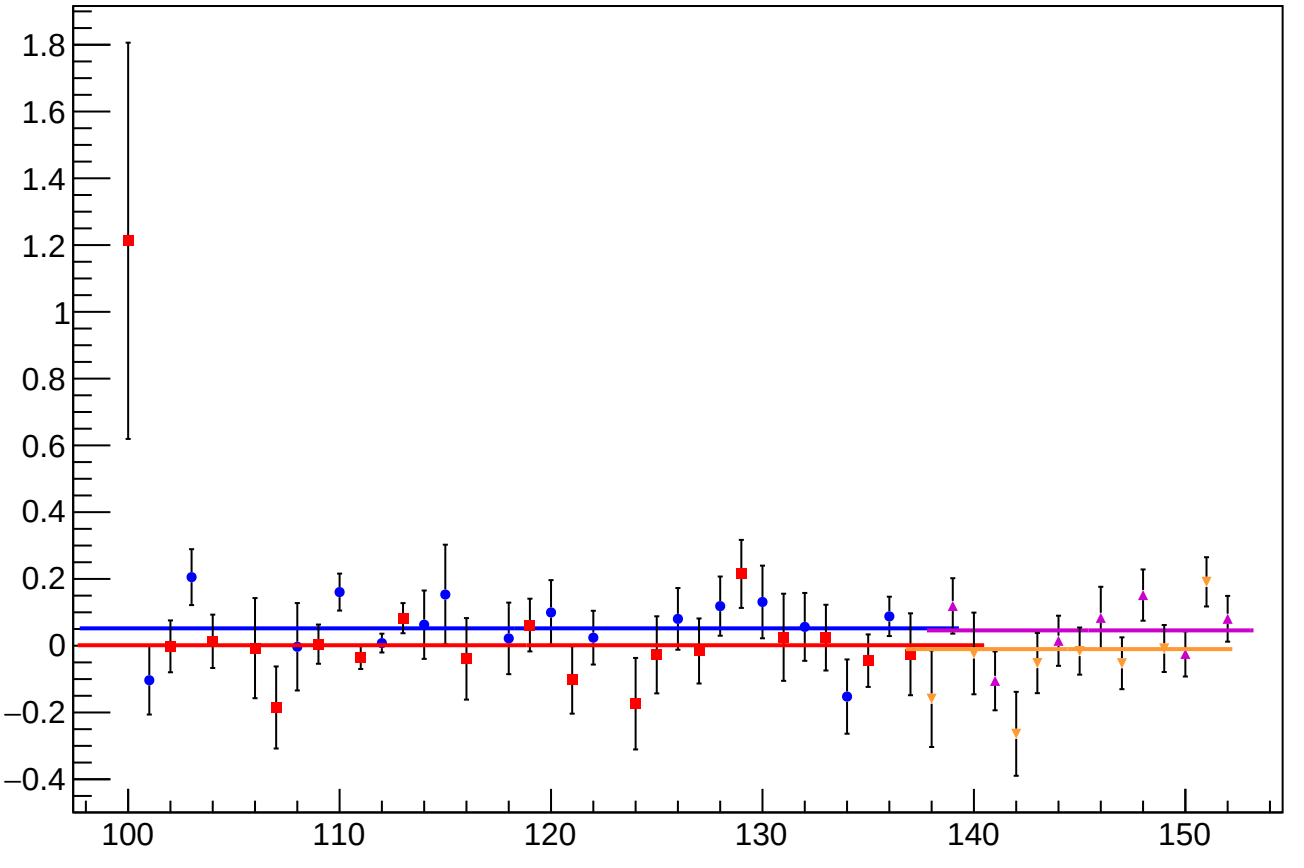
Left: 71.986+/-0.015 χ^2/NDF: 614984.9/14

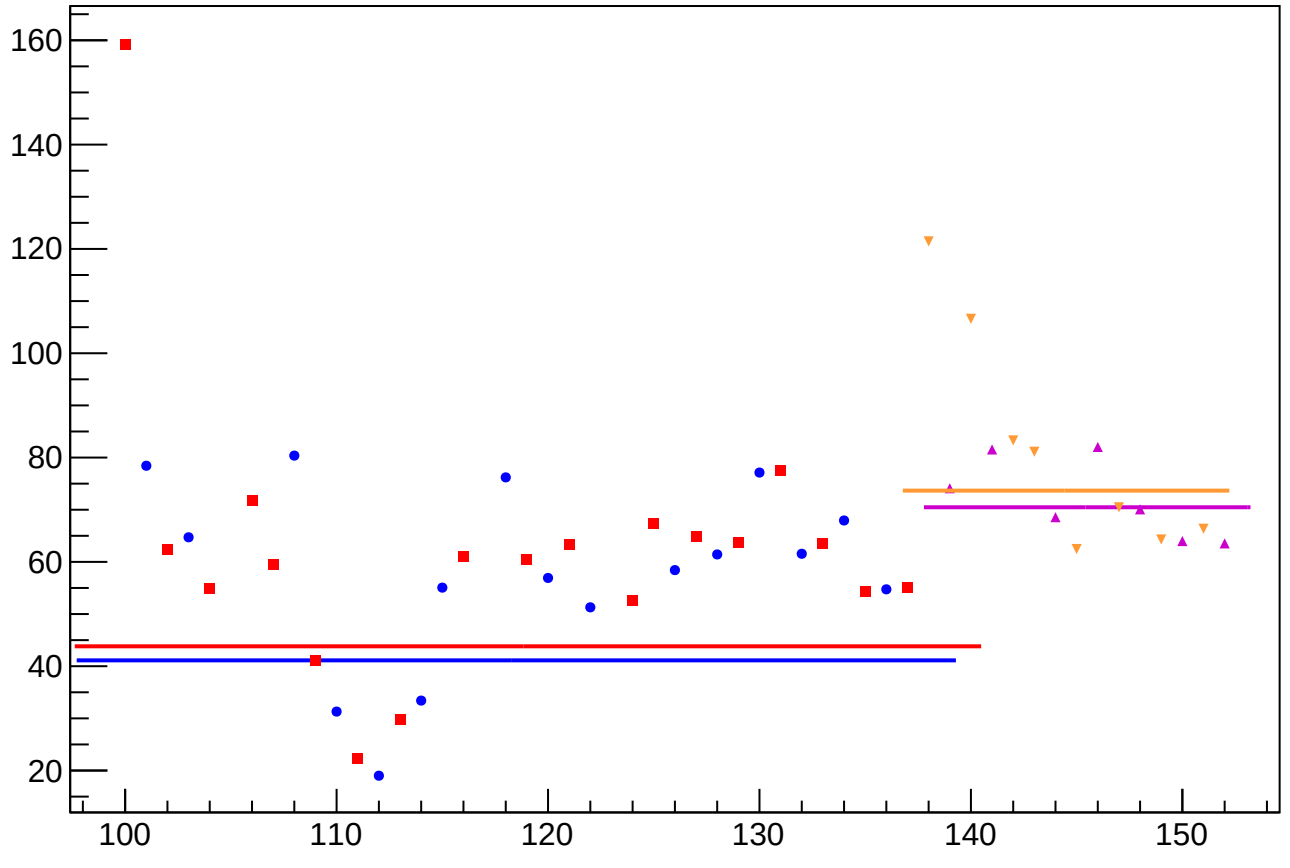
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 49.026+/-0.011 χ^2/NDF:4501133.8/22

Out: 51.361+/-0.011 χ^2/NDF:3947701.0/26

All: 50.170+/-0.008 χ^2/NDF: 8471995.2/49


asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.052+/-0.018 χ²/NDF: 18.0/15
Left Out: -0.010+/-0.031 χ²/NDF:13.1/7
Right Out: 0.001+/-0.018 χ²/NDF: 19.2/18
Left In: 0.046+/-0.029 χ²/NDF:7.3/6
Left: 0.019+/-0.021 χ²/NDF: 22.1/14
Right: 0.027+/-0.013 χ²/NDF: 41.2/34
In: 0.050+/-0.015 χ²/NDF:25.3/22
Out: -0.002+/-0.015 χ²/NDF:32.5/26
All: 0.025+/-0.011 χ²/NDF: 63.5/49



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: 70.473+/-0.021 χ^2/NDF:106423.7/6

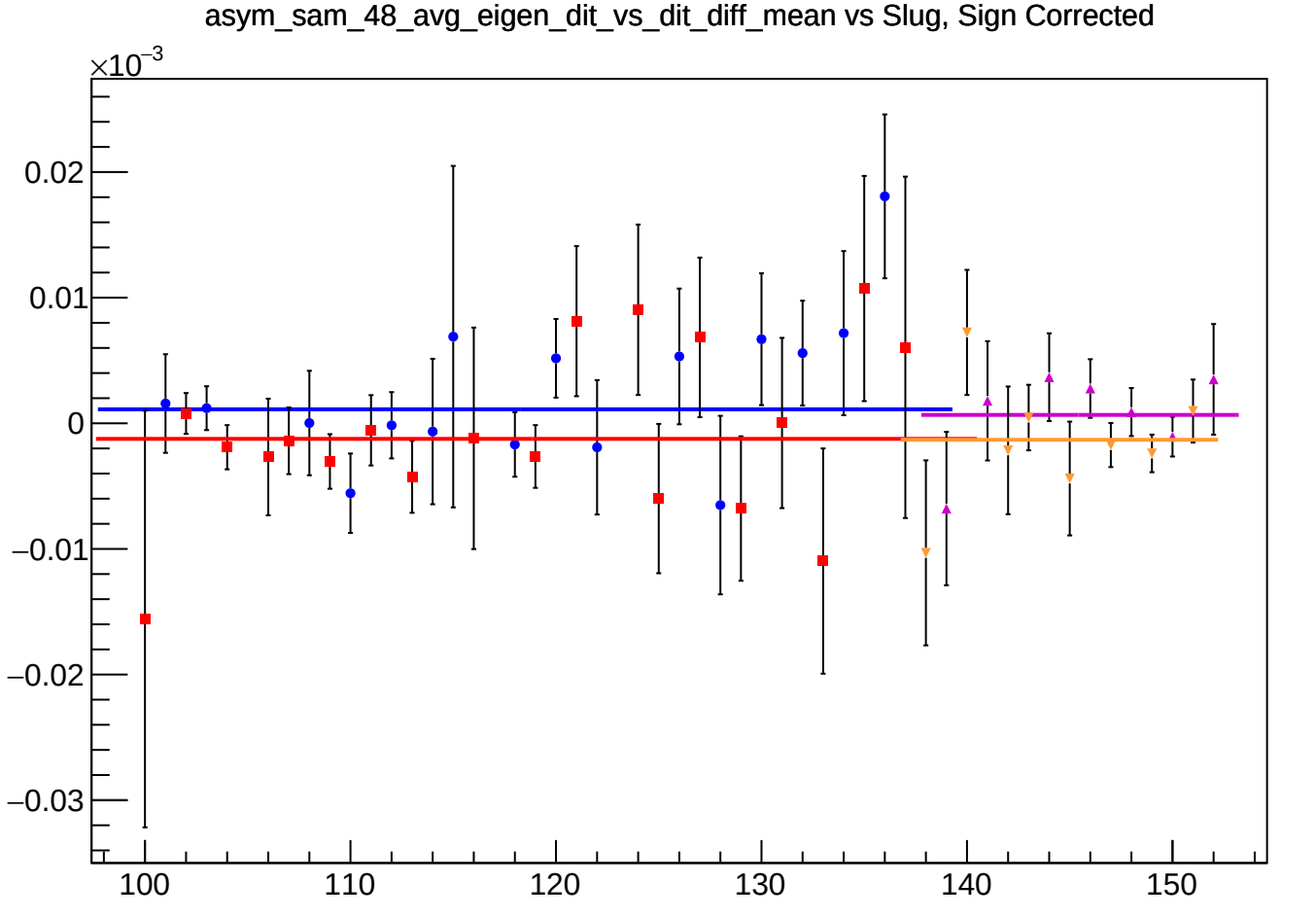
Left: 71.986+/-0.015 χ^2/NDF: 614984.9/14

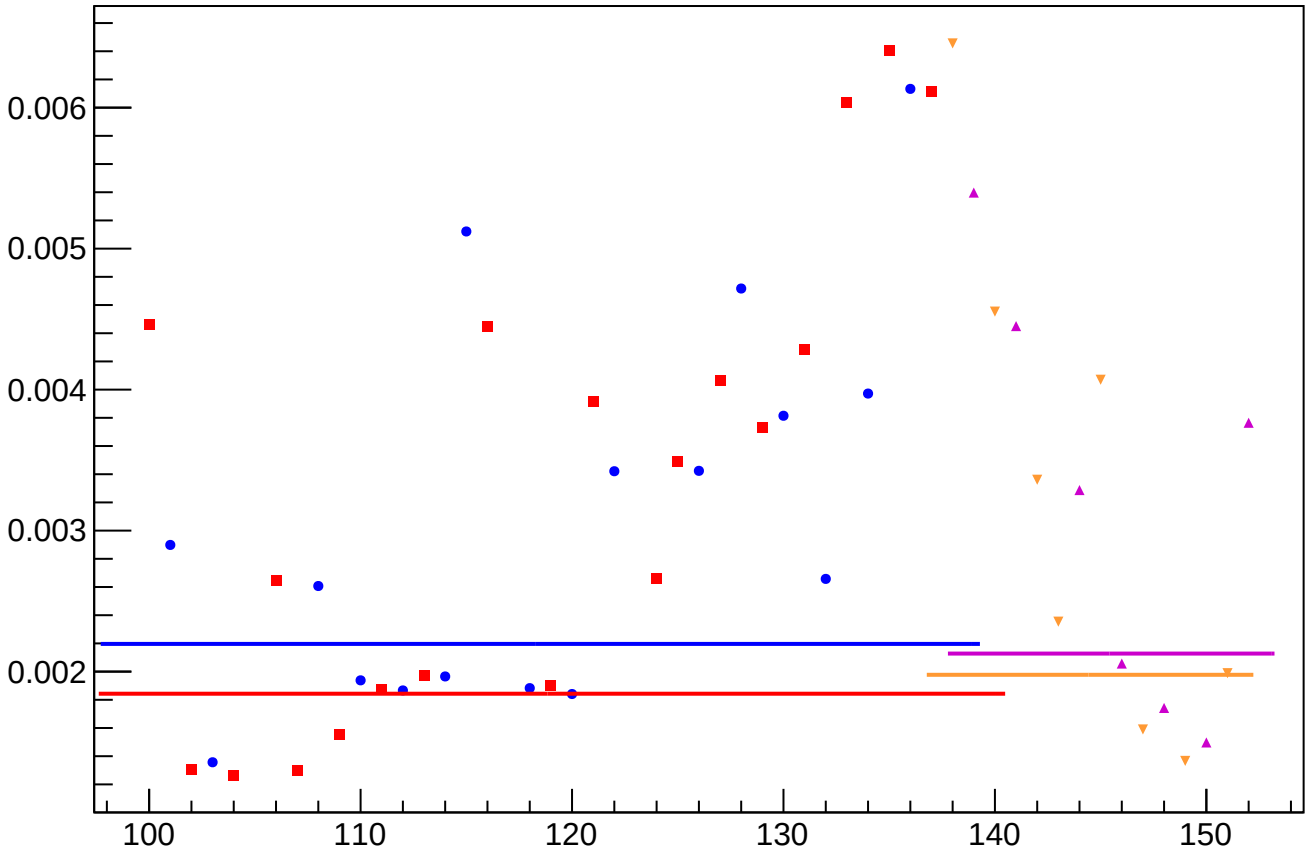
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 49.026+/-0.011 χ^2/NDF:4501133.8/22

Out: 51.361+/-0.011 χ^2/NDF:3947701.0/26

All: 50.170+/-0.008 χ^2/NDF: 8471995.2/49


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: -0.000+/-0.000 χ²/NDF:6.8/7
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:4.7/6
Left: -0.000+/-0.000 χ²/NDF: 13.8/14
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:24.7/22
Out: -0.000+/-0.000 χ²/NDF:22.7/26
All: -0.000+/-0.000 χ²/NDF: 53.6/49



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:1949350.9/6

Left: 0.002+/-0.000 χ^2/NDF: 4297964.9/14

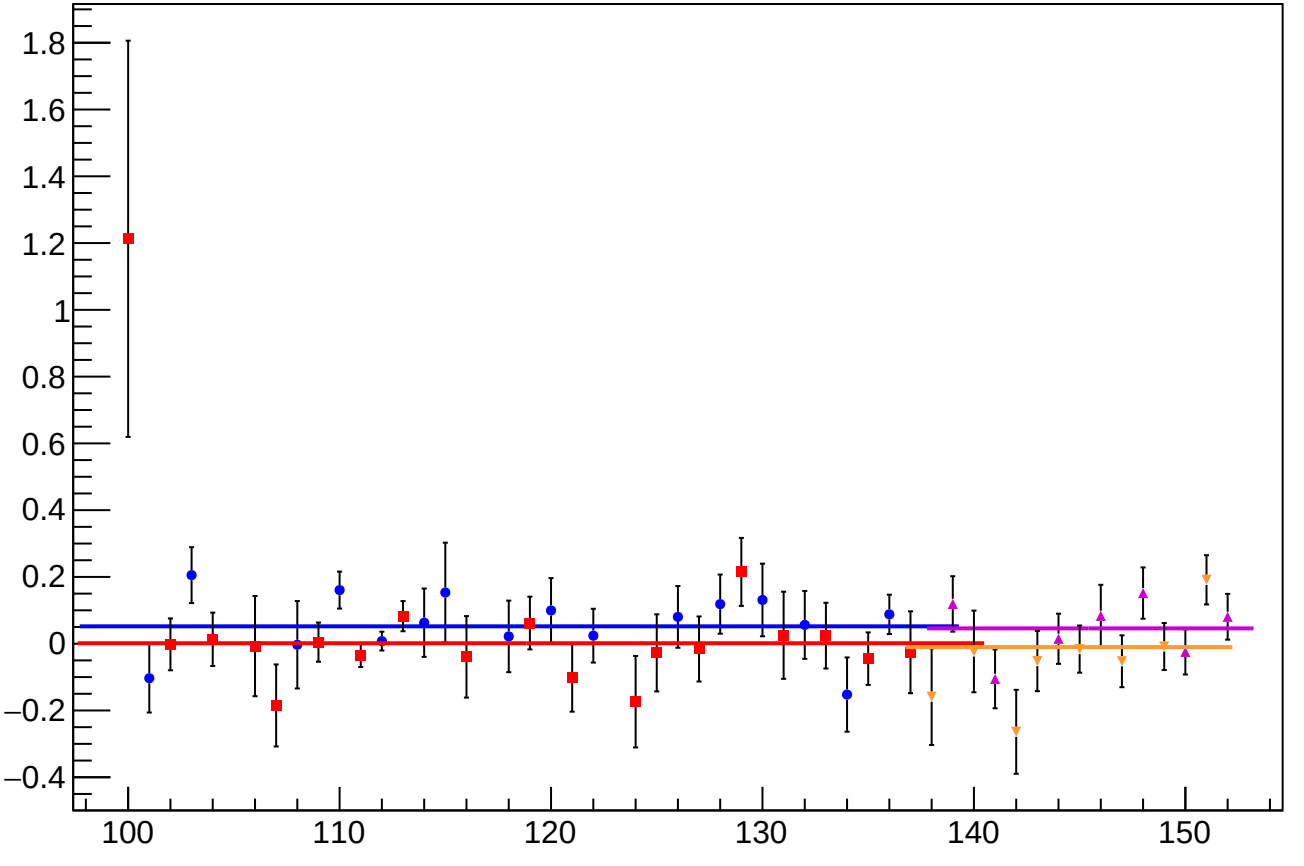
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:4247581.8/22

Out: 0.002+/-0.000 χ^2/NDF:5486158.5/26

All: 0.002+/-0.000 χ^2/NDF: 9914278.6/49

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: 0.046+/-0.029 χ^2/NDF:7.3/6

Left: 0.019+/-0.021 χ^2/NDF: 22.1/14

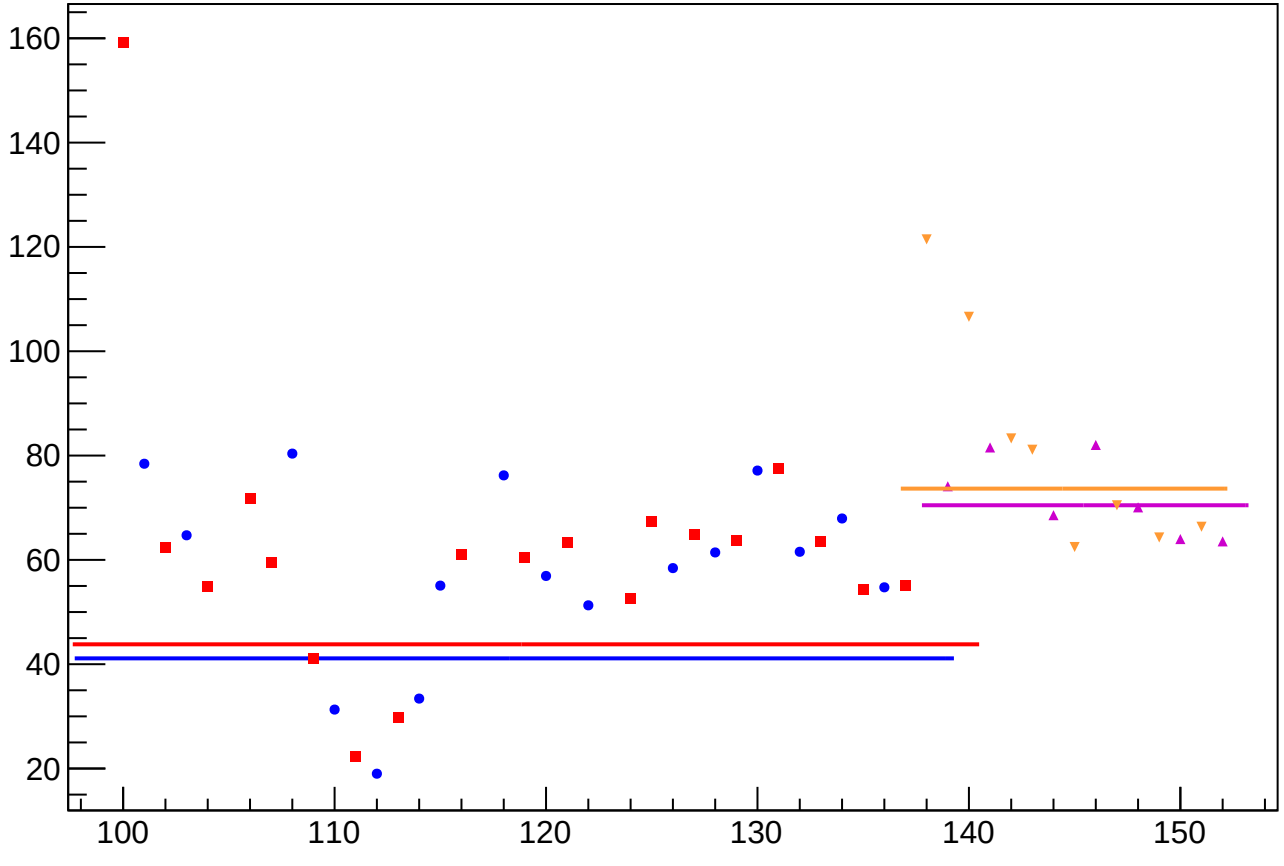
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.050+/-0.015 χ^2/NDF:25.3/22

Out: -0.002+/-0.015 χ^2/NDF:32.5/26

All: 0.025+/-0.011 χ^2/NDF: 63.5/49

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: 70.473+/-0.021 χ^2/NDF:106421.6/6

Left: 71.987+/-0.015 χ^2/NDF: 614959.5/14

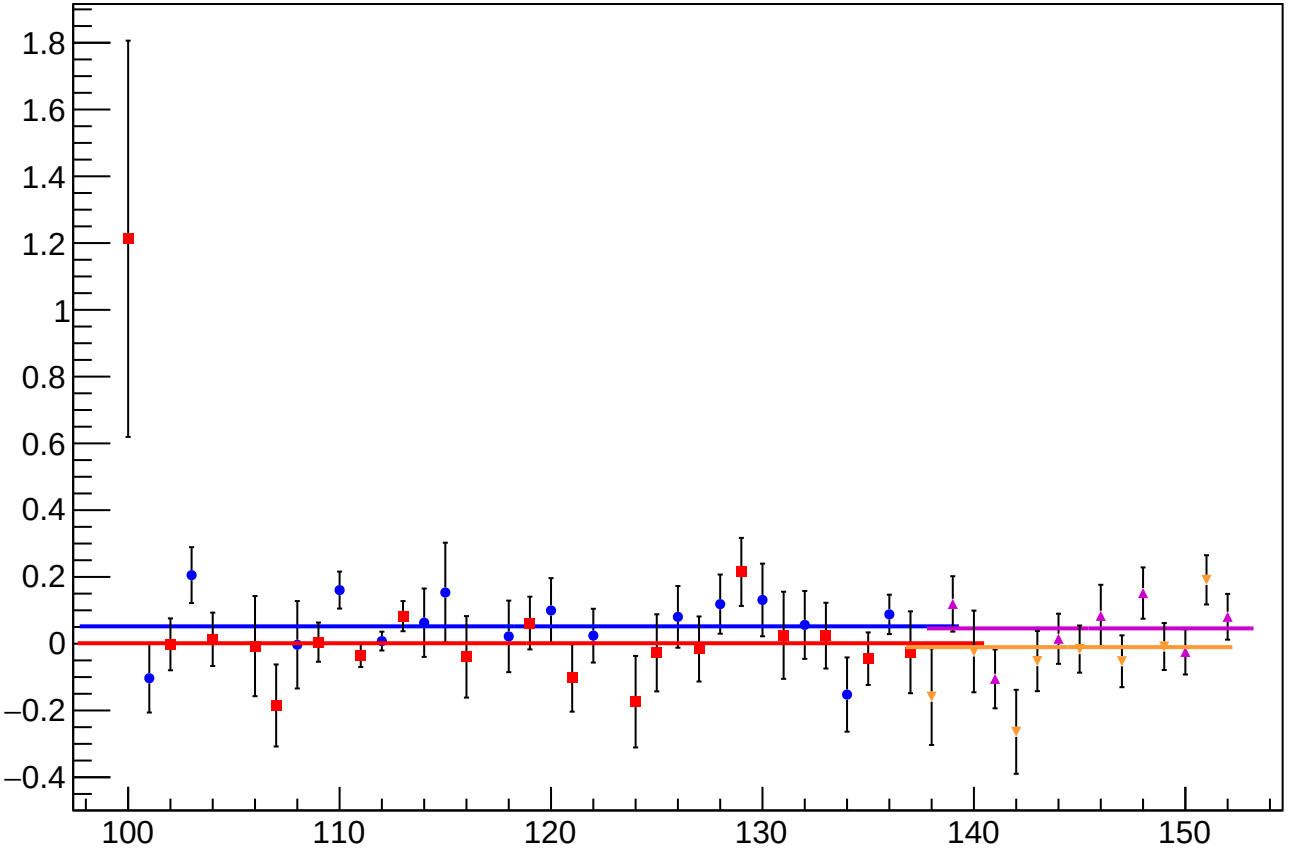
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 49.025+/-0.011 χ^2/NDF:4501449.5/22

Out: 51.360+/-0.011 χ^2/NDF:3948004.7/26

All: 50.170+/-0.008 χ^2/NDF: 8472615.7/49

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: 0.046+/-0.029 χ^2/NDF:7.3/6

Left: 0.019+/-0.021 χ^2/NDF: 22.1/14

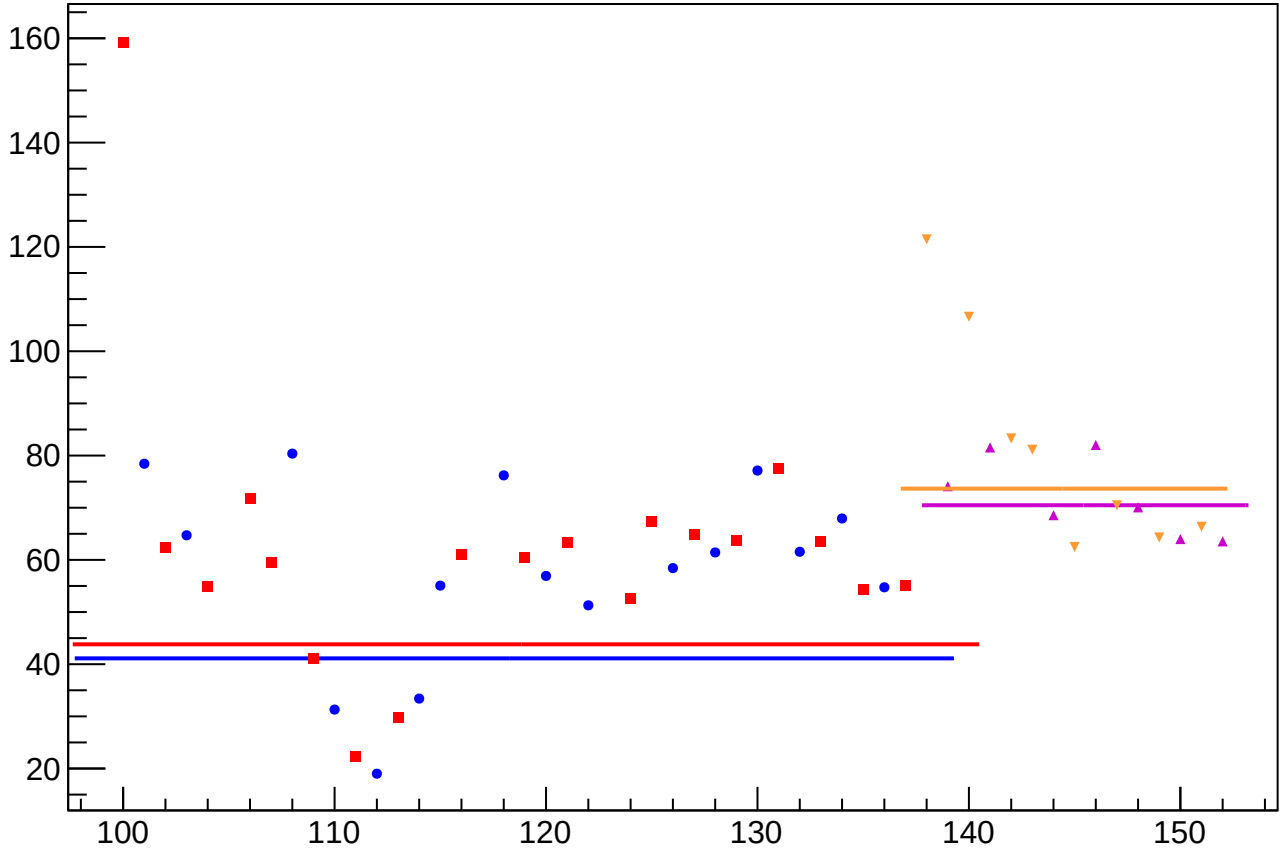
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.050+/-0.015 χ^2/NDF:25.3/22

Out: -0.002+/-0.015 χ^2/NDF:32.5/26

All: 0.025+/-0.011 χ^2/NDF: 63.5/49

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: 70.473+/-0.021 χ^2/NDF:106421.6/6

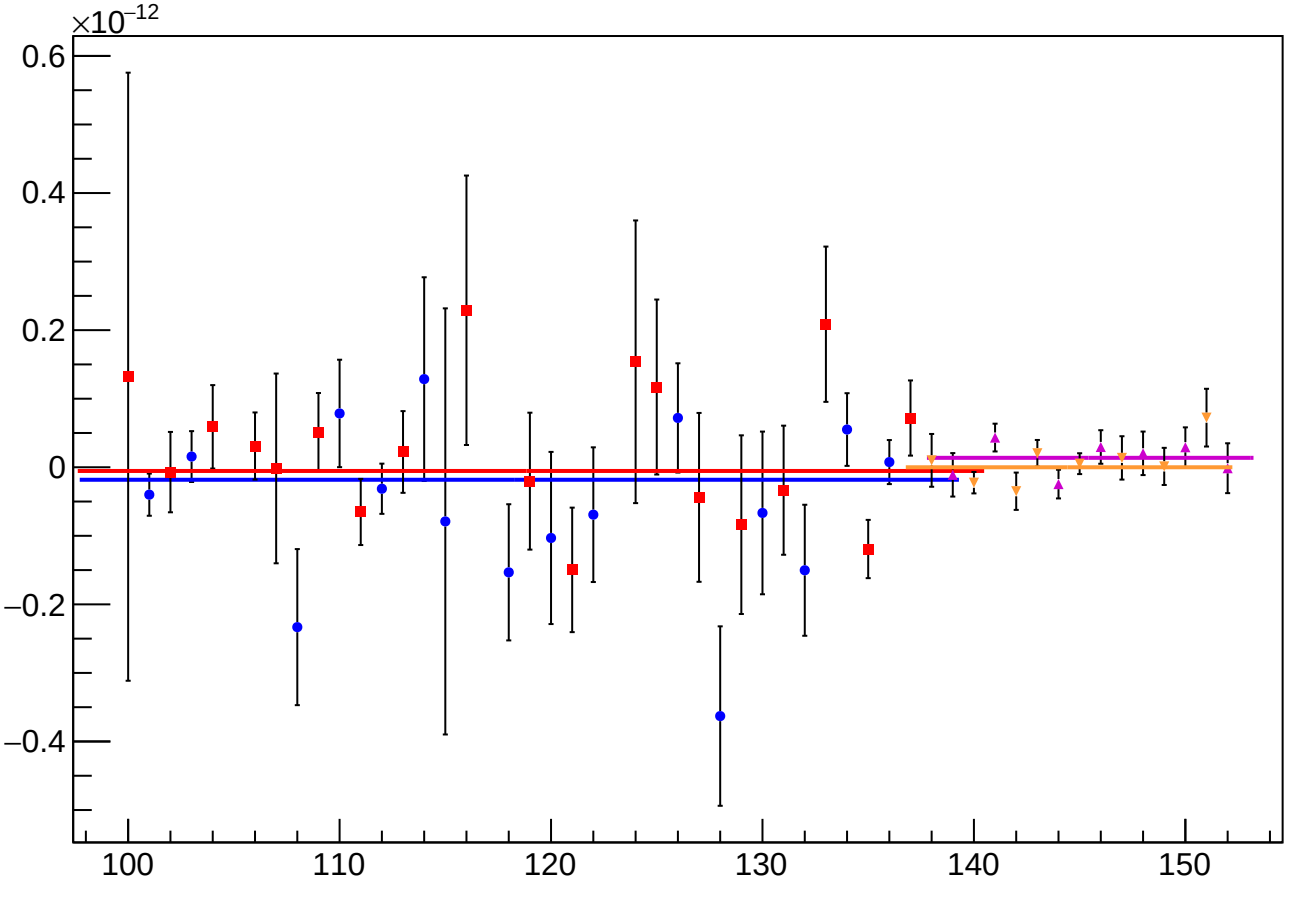
Left: 71.987+/-0.015 χ^2/NDF: 614959.5/14

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 49.025+/-0.011 χ^2/NDF:4501449.5/22

Out: 51.360+/-0.011 χ^2/NDF:3948004.7/26

All: 50.170+/-0.008 χ^2/NDF: 8472615.7/49



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:7.0/6

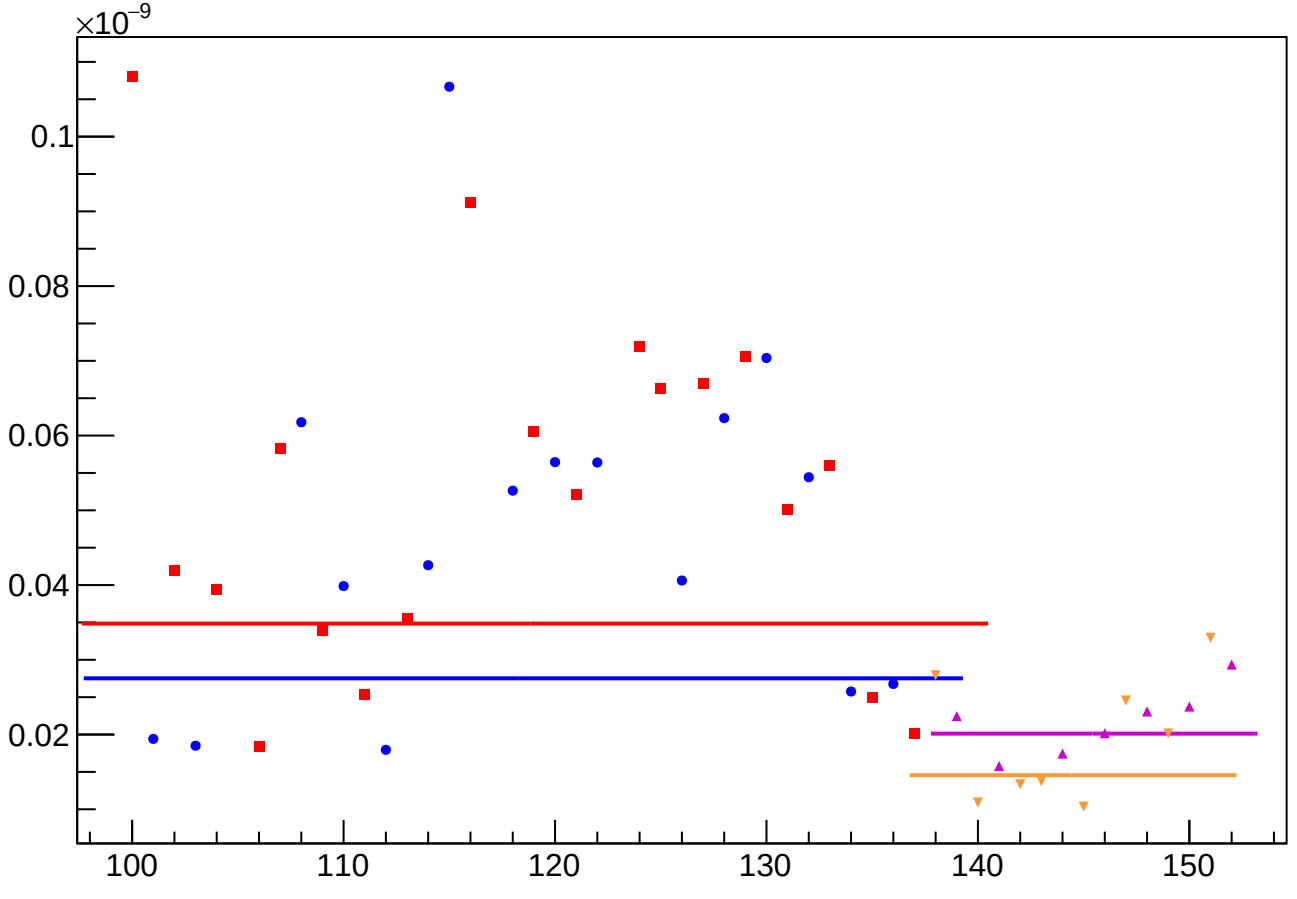
Left: 0.000+/-0.000 χ^2/NDF: 16.4/14

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:33.4/22

Out: -0.000+/-0.000 χ^2/NDF:31.5/26

All: 0.000+/-0.000 χ^2/NDF: 65.1/49



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:313238.0/6

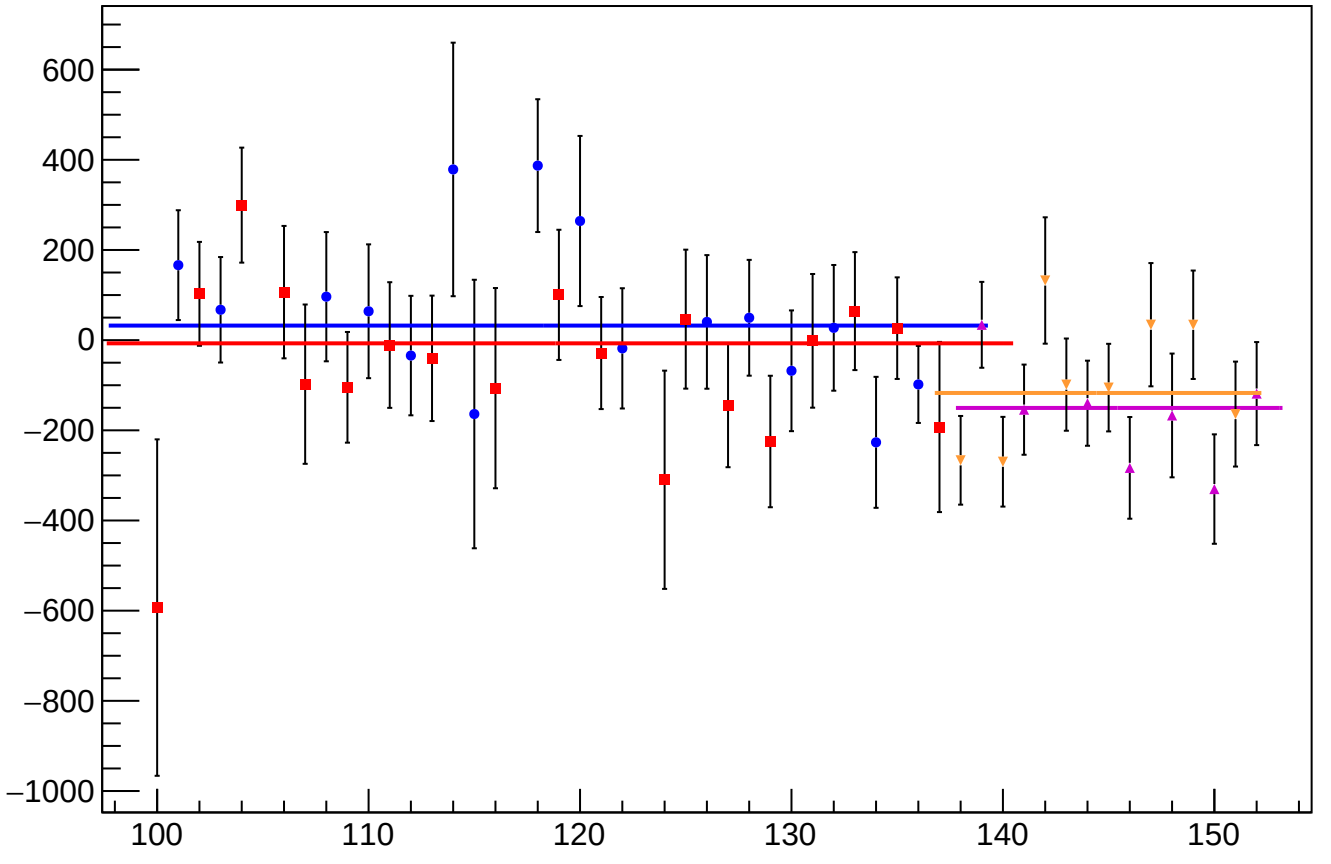
Left: 0.000+/-0.000 χ^2/NDF: 1879436.2/14

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2472473.5/22

Out: 0.000+/-0.000 χ^2/NDF:5268251.2/26

All: 0.000+/-0.000 χ^2/NDF: 8043076.6/49



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -117.147+/-39.122 χ^2/NDF:10.8/7

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -150.357+/-40.871 χ^2/NDF:7.4/6

Left: -133.027+/-28.261 χ^2/NDF: 18.6/14

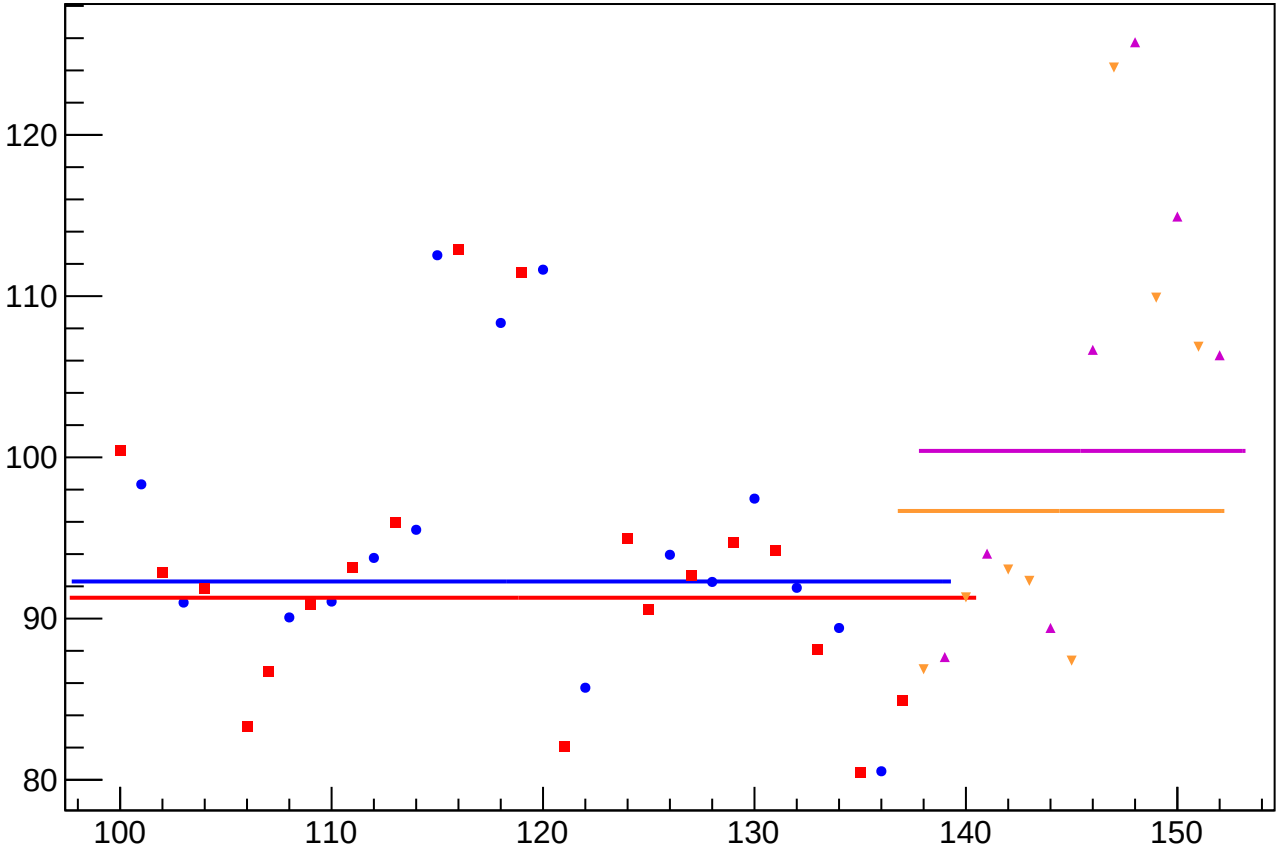
Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -43.517+/-26.331 χ^2/NDF:36.4/22

Out: -53.509+/-25.411 χ^2/NDF:33.2/26

All: -48.691+/-18.285 χ^2/NDF: 69.7/49

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



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: 100.401+/-0.029 χ^2/NDF:179695.2/6

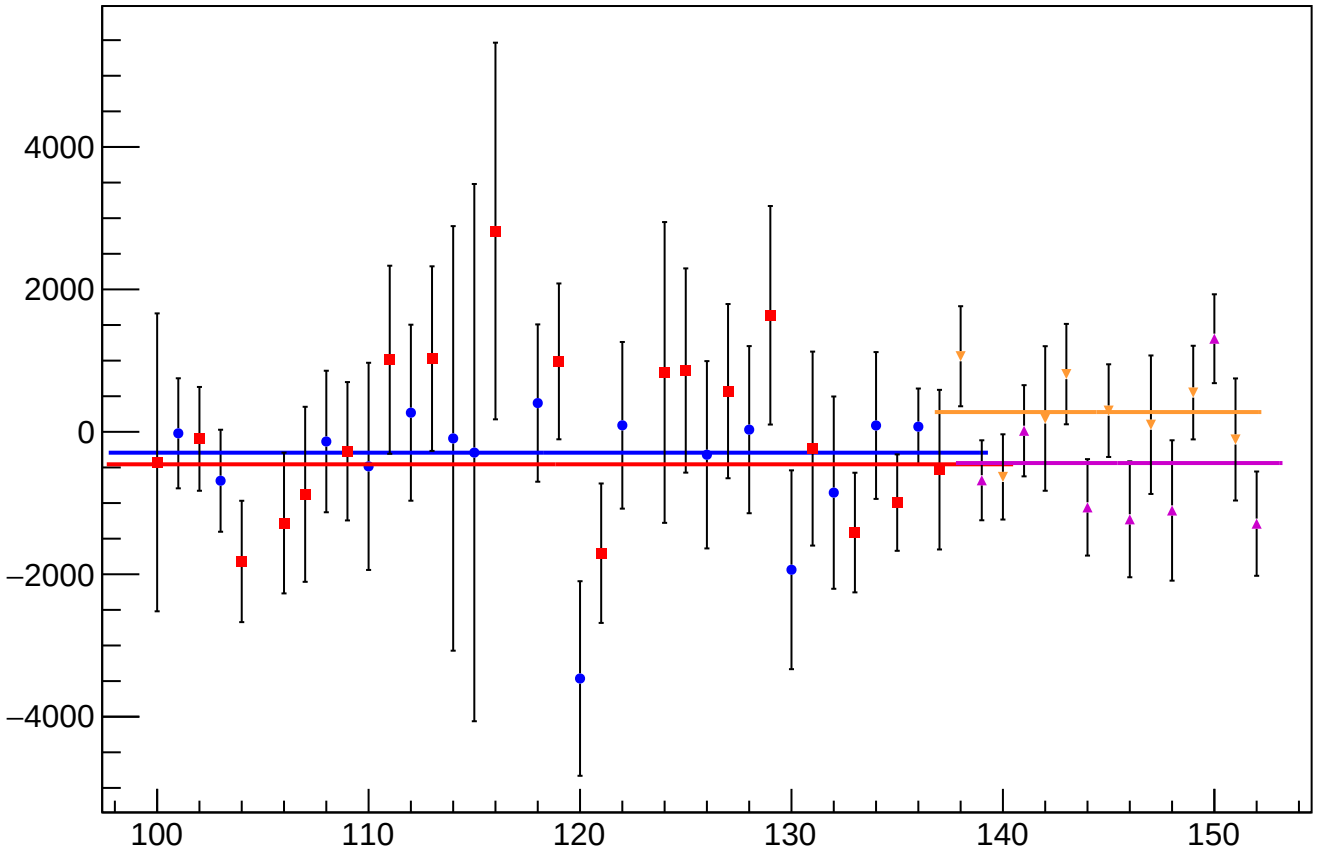
Left: 98.457+/-0.020 χ^2/NDF: 357817.3/14

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 95.664+/-0.019 χ^2/NDF:332694.6/22

Out: 93.564+/-0.018 χ^2/NDF:296427.6/26

All: 94.577+/-0.013 χ^2/NDF: 635707.5/49



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: -438.235+/-260.254 χ^2/NDF:12.1/6

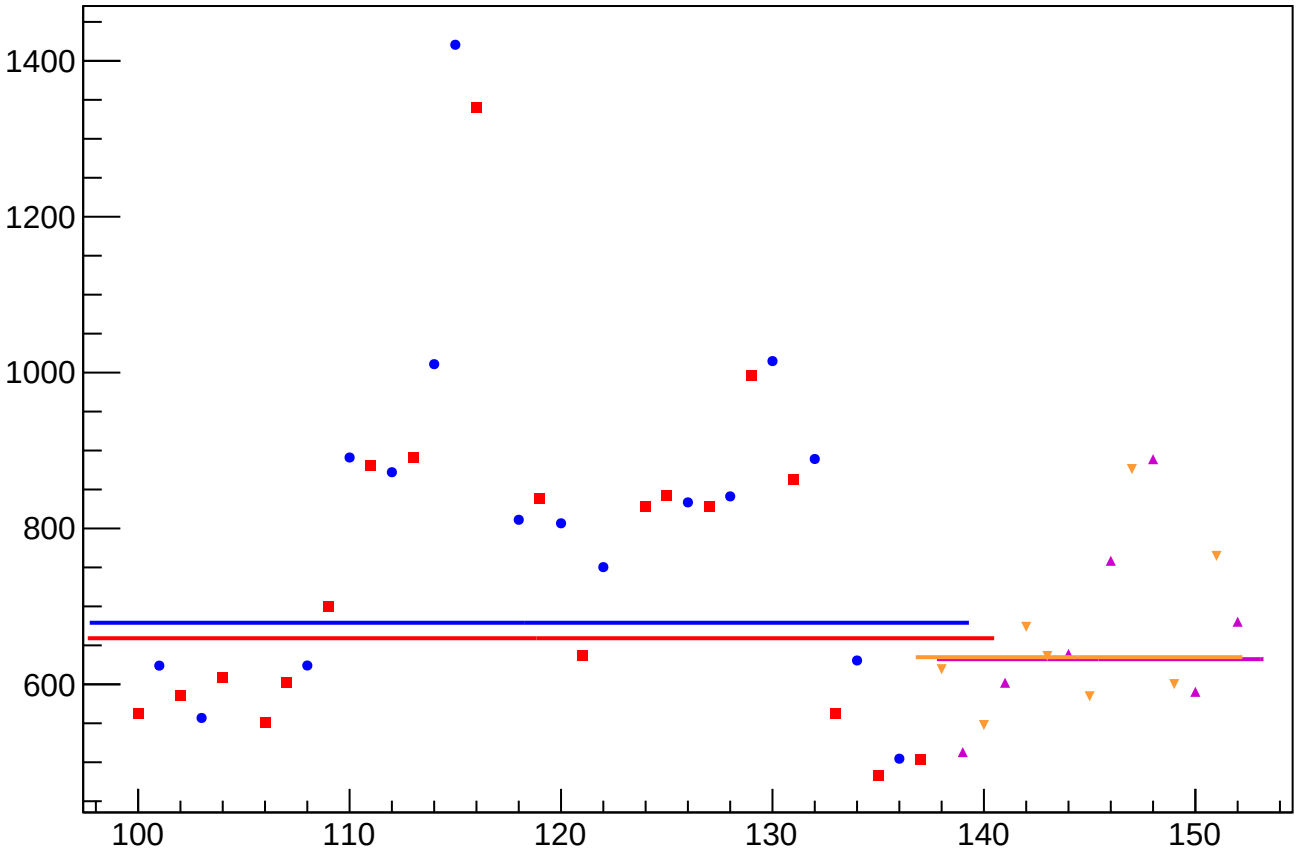
Left: -78.662+/-183.615 χ^2/NDF: 20.5/14

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -365.338+/-183.828 χ^2/NDF:21.1/22

Out: -104.042+/-179.425 χ^2/NDF:25.6/26

All: -231.523+/-128.401 χ^2/NDF: 47.7/49



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: 632.284+/-0.184 χ^2/NDF:296261.8/6

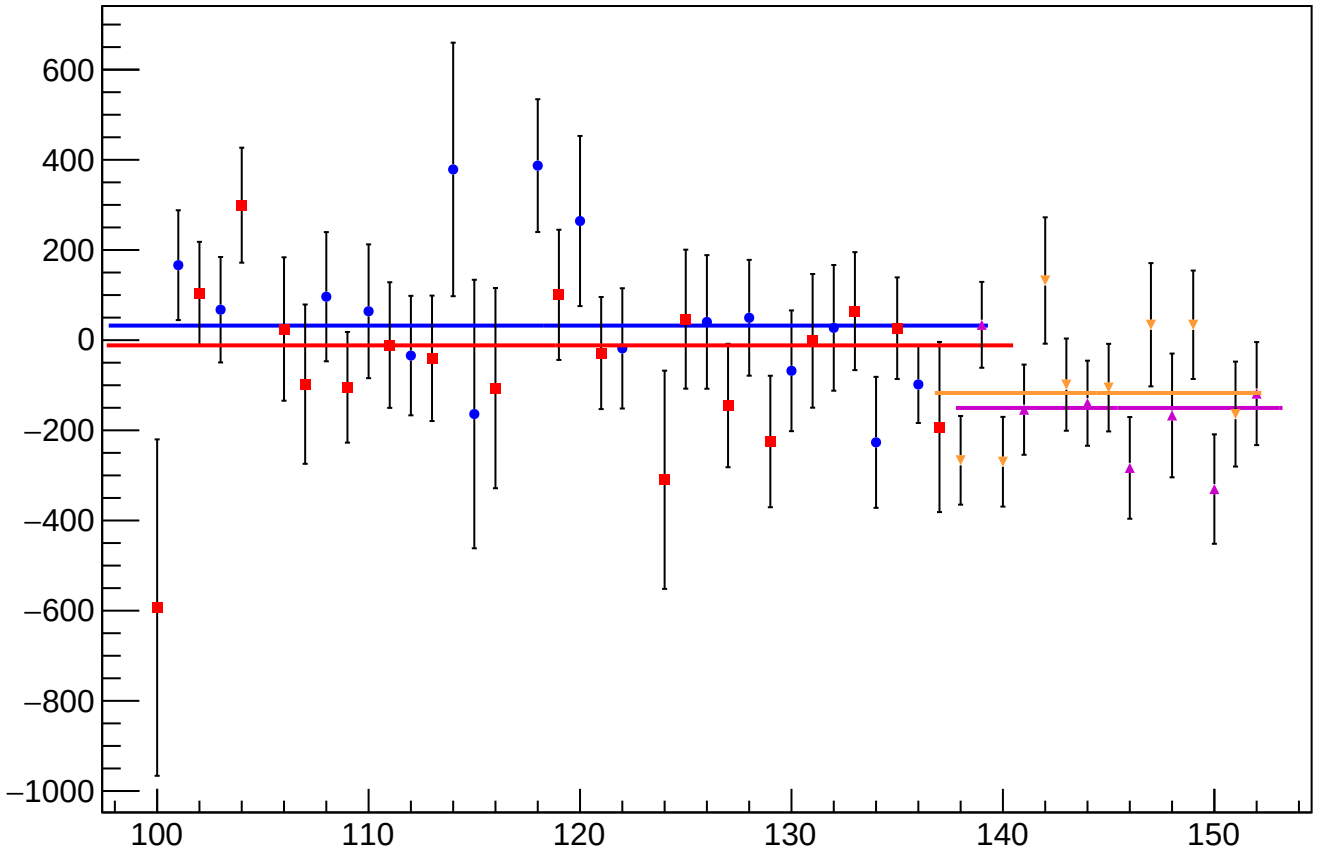
Left: 633.564+/-0.130 χ^2/NDF: 529272.6/14

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 655.694+/-0.130 χ^2/NDF:1096539.6/22

Out: 647.479+/-0.127 χ^2/NDF:1037948.5/26

All: 651.487+/-0.091 χ^2/NDF: 2136533.5/49



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: -150.357+/-40.871 χ^2/NDF:7.4/6

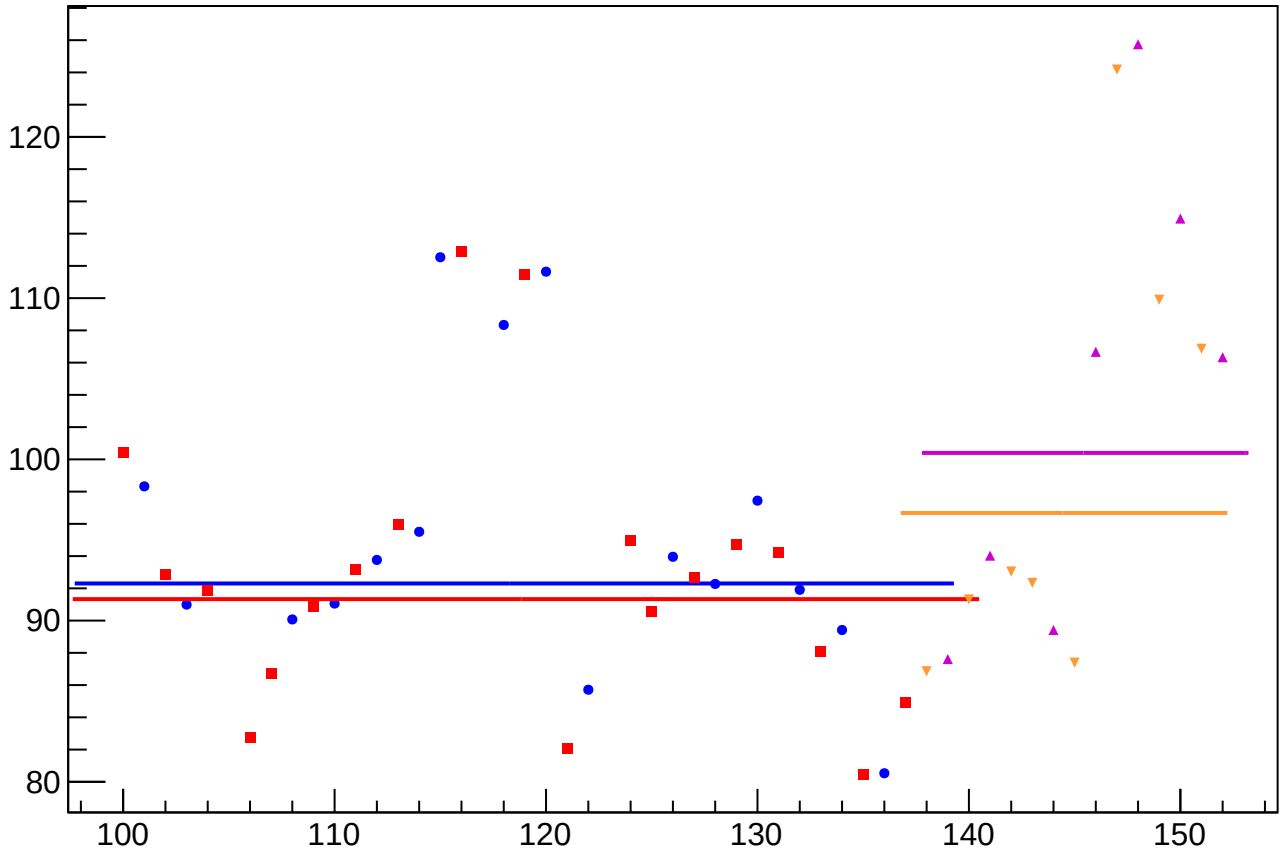
Left: -133.028+/-28.261 χ^2/NDF: 18.6/14

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -43.509+/-26.331 χ^2/NDF:36.4/22

Out: -56.312+/-25.467 χ^2/NDF:32.2/26

All: -50.124+/-18.306 χ^2/NDF: 68.8/49



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: 100.401+/-0.029 χ^2/NDF:179695.2/6

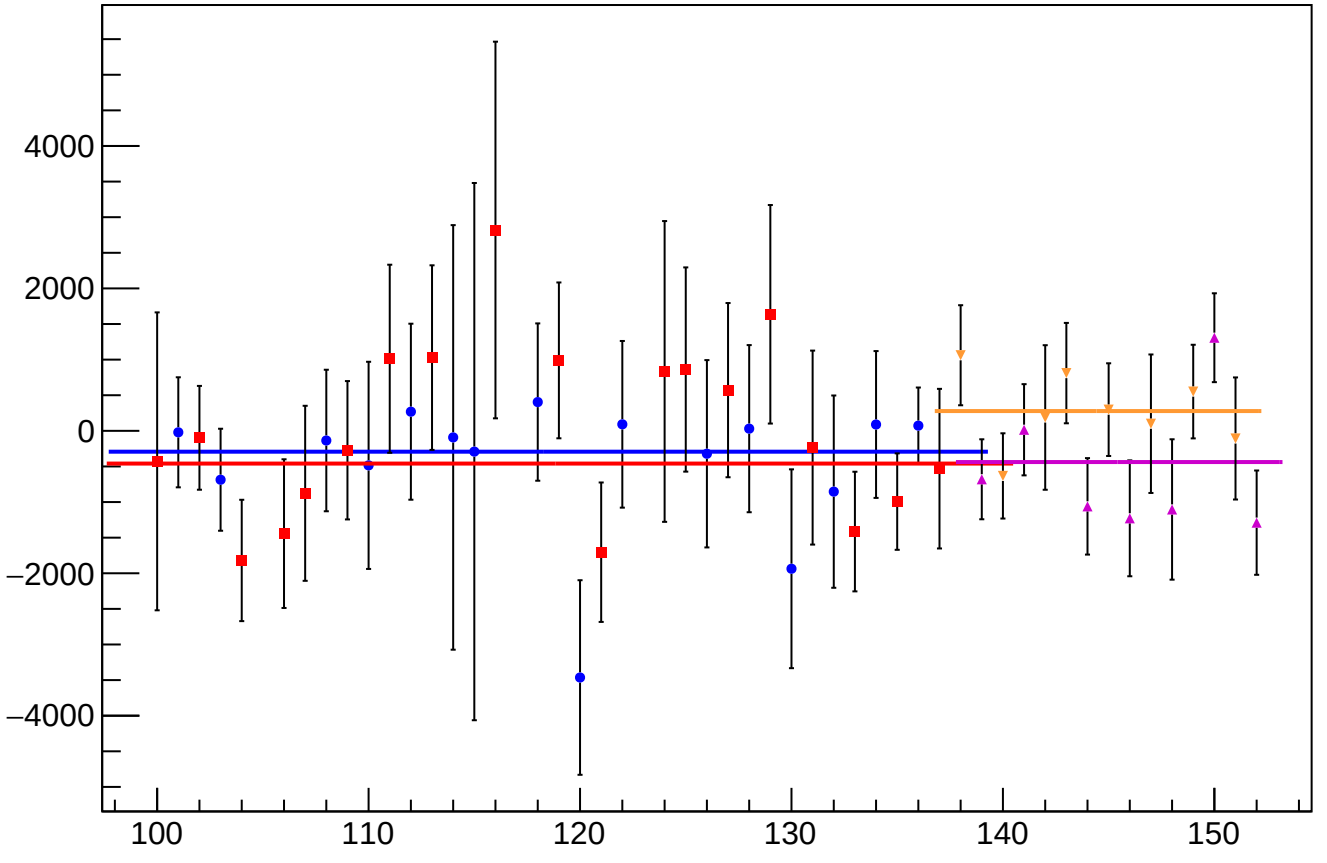
Left: 98.457+/-0.020 χ^2/NDF: 357817.3/14

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 95.664+/-0.019 χ^2/NDF:332694.6/22

Out: 93.596+/-0.018 χ^2/NDF:295868.8/26

All: 94.596+/-0.013 χ^2/NDF: 634934.7/49



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: -438.231+/-260.254 χ^2/NDF:12.1/6

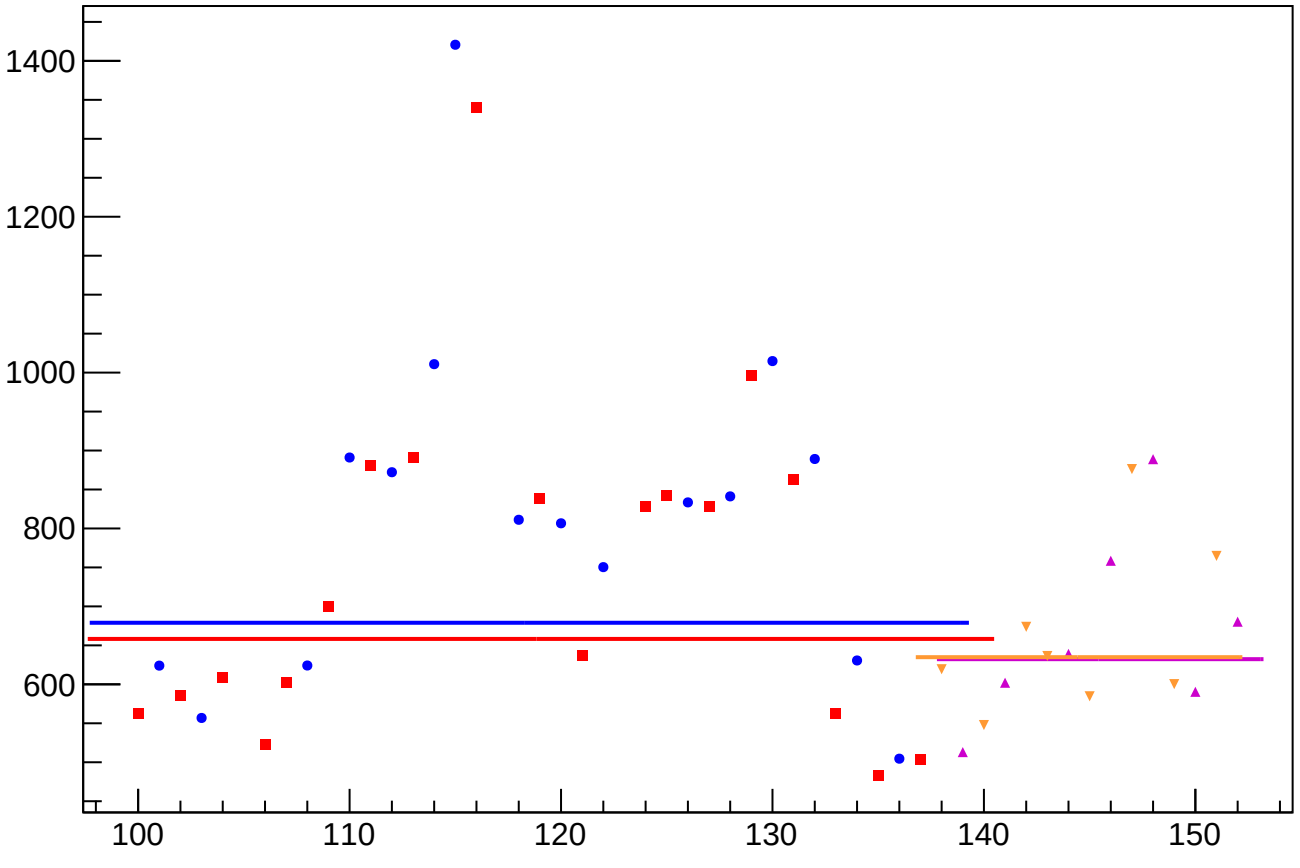
Left: -78.661+/-183.615 χ^2/NDF: 20.5/14

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -365.335+/-183.828 χ^2/NDF:21.1/22

Out: -104.782+/-179.735 χ^2/NDF:25.8/26

All: -232.125+/-128.515 χ^2/NDF: 47.9/49



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: 632.284+/-0.184 χ^2/NDF:296261.7/6

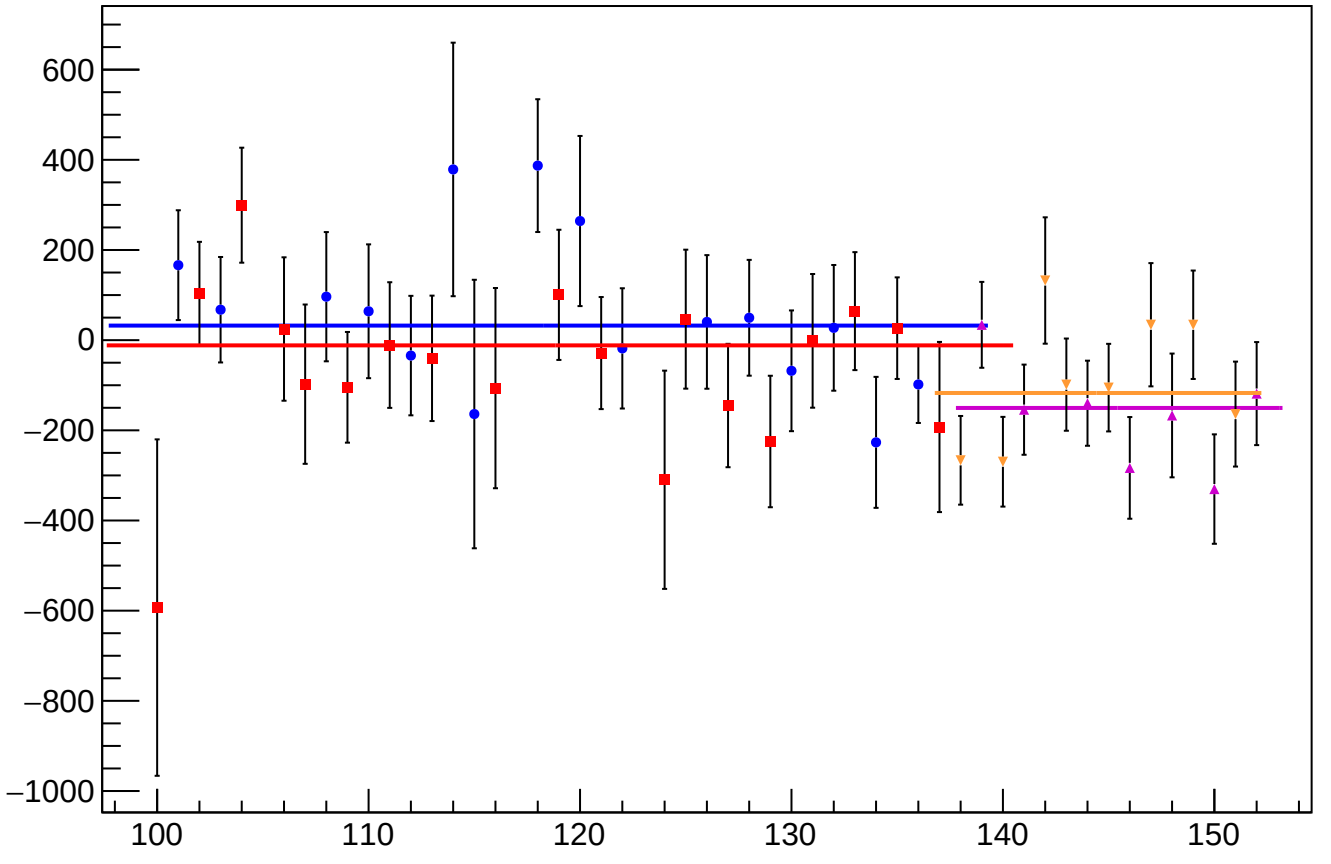
Left: 633.564+/-0.130 χ^2/NDF: 529272.7/14

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 655.694+/-0.130 χ^2/NDF:1096540.7/22

Out: 646.987+/-0.127 χ^2/NDF:1047297.1/26

All: 651.242+/-0.091 χ^2/NDF: 2146131.7/49



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: -150.357+/-40.871 χ^2/NDF:7.4/6

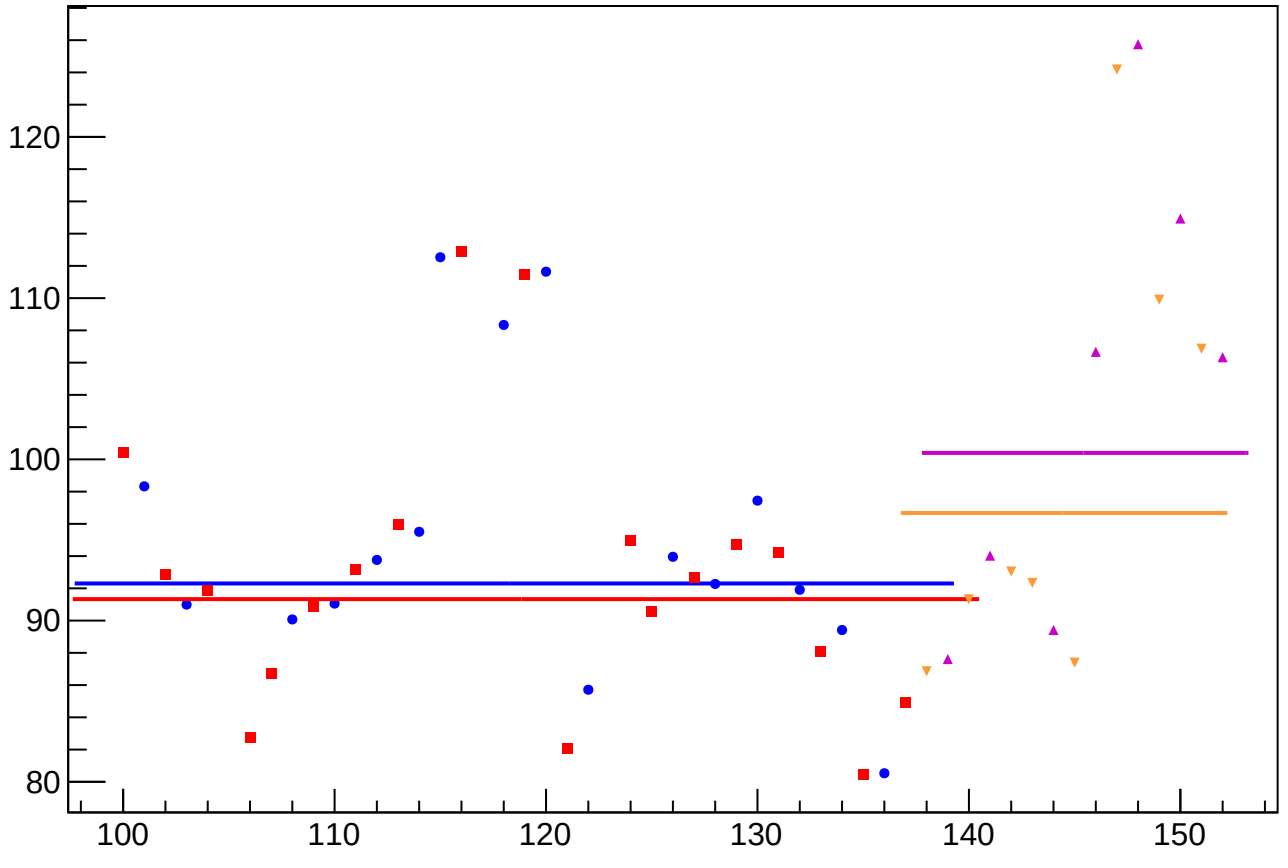
Left: -133.028+/-28.261 χ^2/NDF: 18.6/14

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -43.509+/-26.331 χ^2/NDF:36.4/22

Out: -56.312+/-25.467 χ^2/NDF:32.2/26

All: -50.124+/-18.306 χ^2/NDF: 68.8/49



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: 100.401+/-0.029 χ^2/NDF:179695.2/6

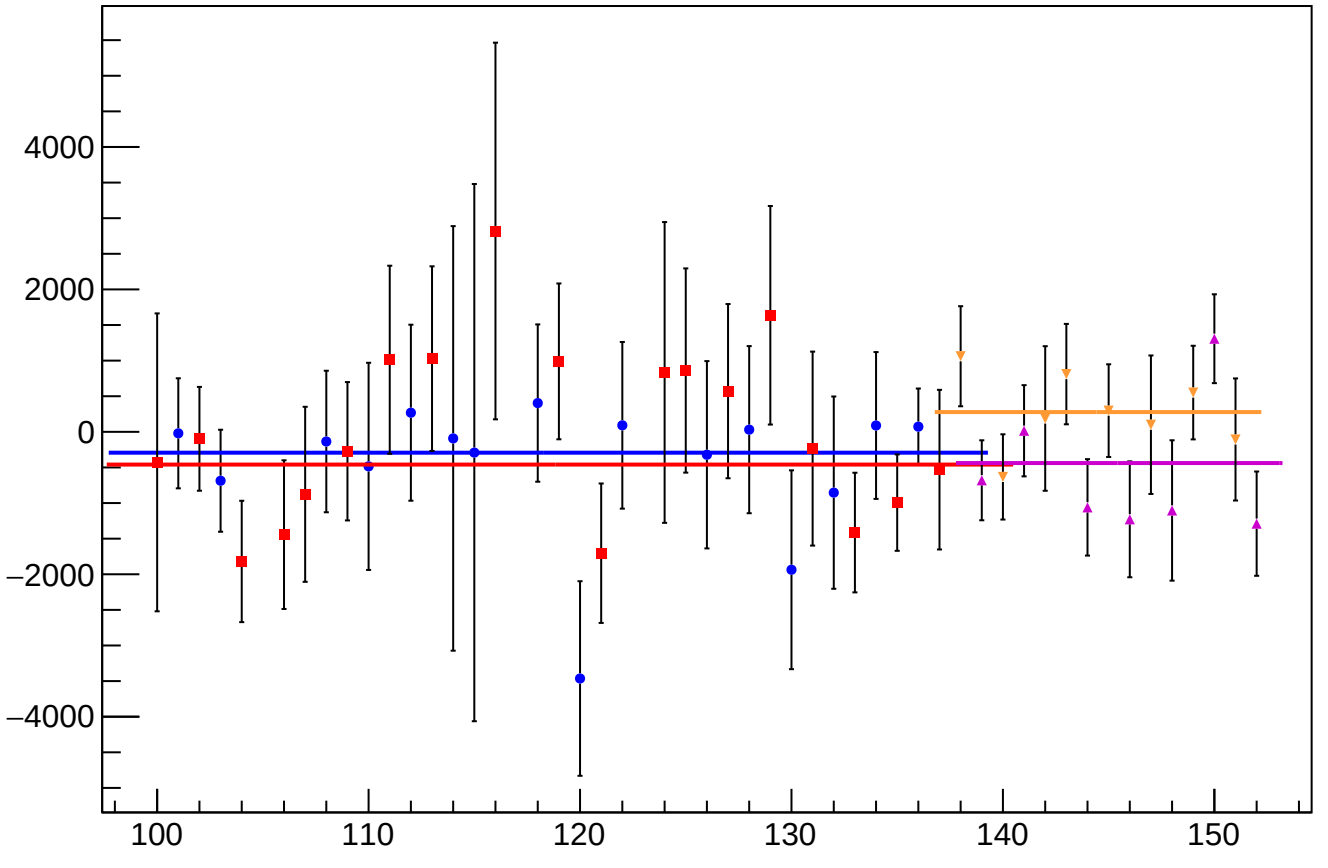
Left: 98.457+/-0.020 χ^2/NDF: 357817.3/14

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 95.664+/-0.019 χ^2/NDF:332694.6/22

Out: 93.596+/-0.018 χ^2/NDF:295868.8/26

All: 94.596+/-0.013 χ^2/NDF: 634934.7/49



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: -438.231+/-260.254 χ^2/NDF:12.1/6

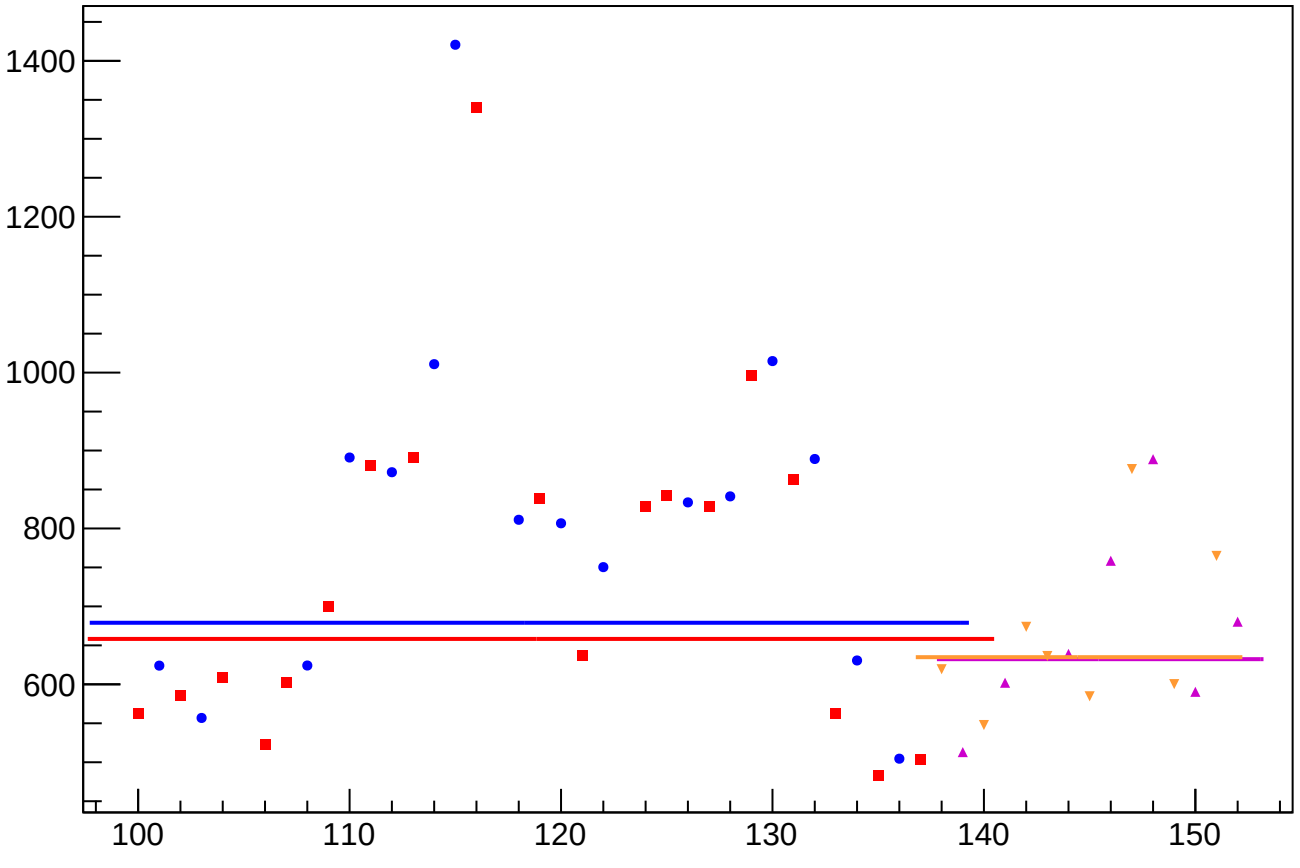
Left: -78.661+/-183.615 χ^2/NDF: 20.5/14

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -365.335+/-183.828 χ^2/NDF:21.1/22

Out: -104.782+/-179.735 χ^2/NDF:25.8/26

All: -232.125+/-128.515 χ^2/NDF: 47.9/49



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: 632.284+/-0.184 χ^2/NDF:296261.7/6

Left: 633.564+/-0.130 χ^2/NDF: 529272.7/14

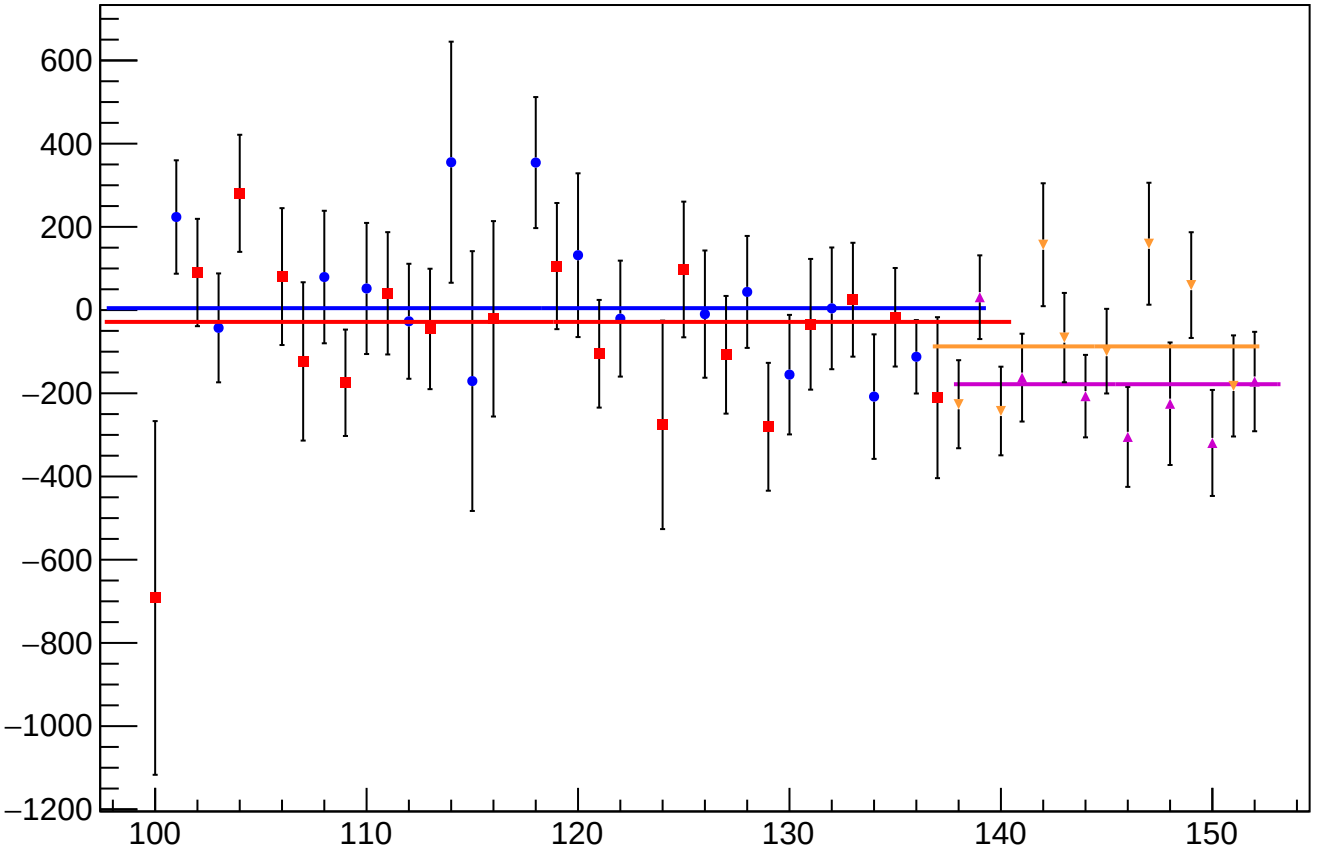
Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 655.694+/-0.130 χ^2/NDF:1096540.7/22

Out: 646.987+/-0.127 χ^2/NDF:1047297.1/26

All: 651.242+/-0.091 χ^2/NDF: 2146131.7/49

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: -178.185+/-43.139 χ^2/NDF:6.9/6

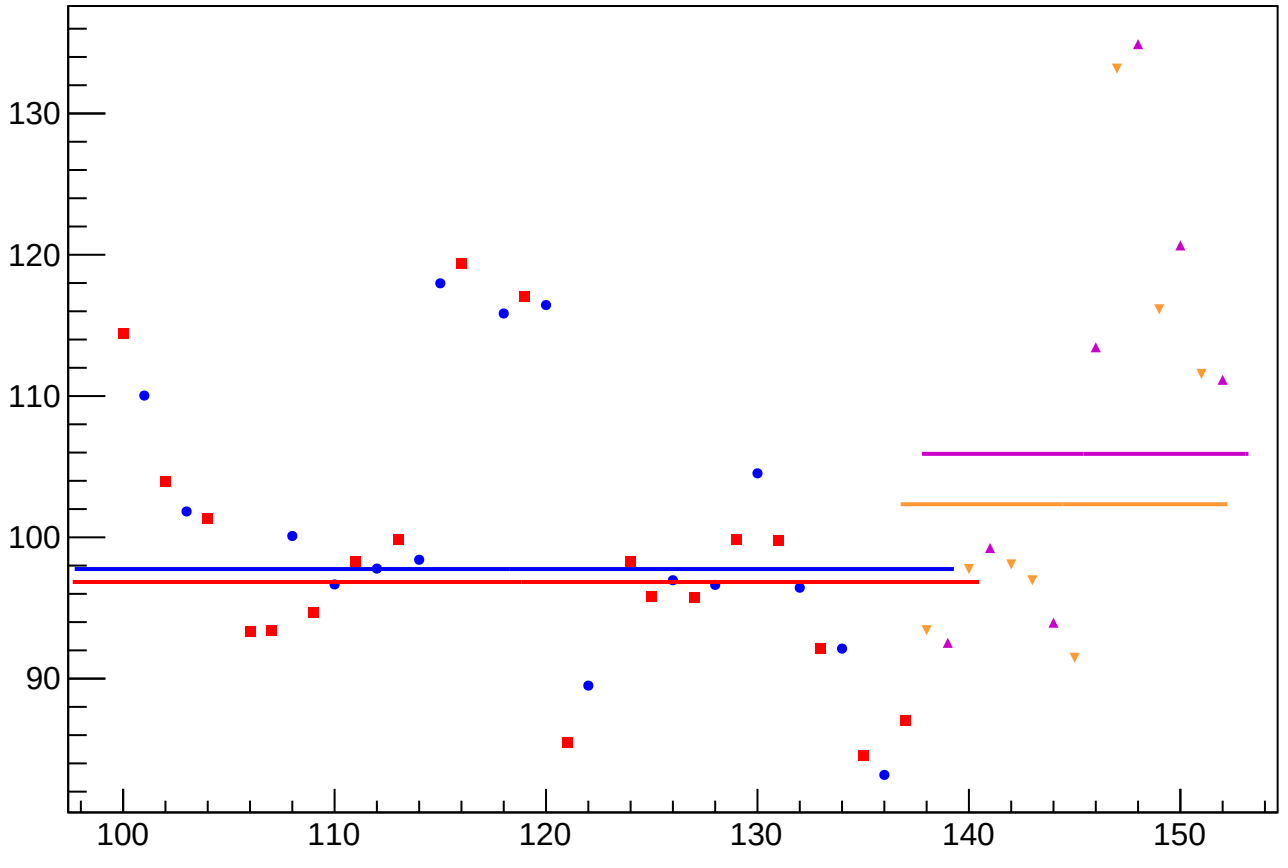
Left: -130.886+/-29.877 χ^2/NDF: 20.6/14

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -71.670+/-27.868 χ^2/NDF:32.7/22

Out: -53.313+/-26.939 χ^2/NDF:29.7/26

All: -62.181+/-19.369 χ^2/NDF: 62.6/49



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: 105.909+/-0.031 χ^2/NDF:188474.3/6

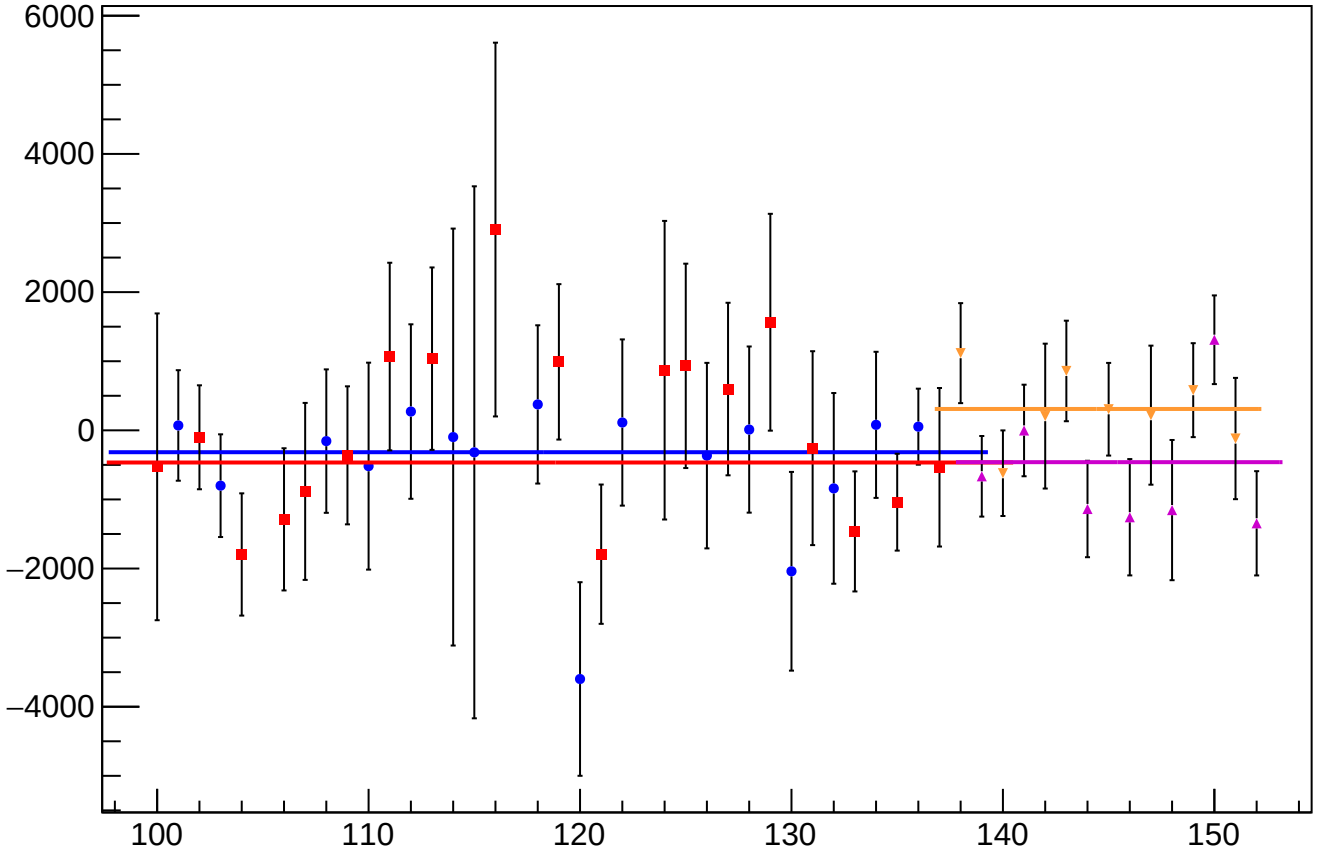
Left: 104.053+/-0.021 χ^2/NDF: 366614.8/14

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 101.158+/-0.020 χ^2/NDF:370749.6/22

Out: 99.167+/-0.019 χ^2/NDF:306563.2/26

All: 100.129+/-0.014 χ^2/NDF: 682590.1/49



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: -460.671+/-268.816 χ^2/NDF:11.9/6

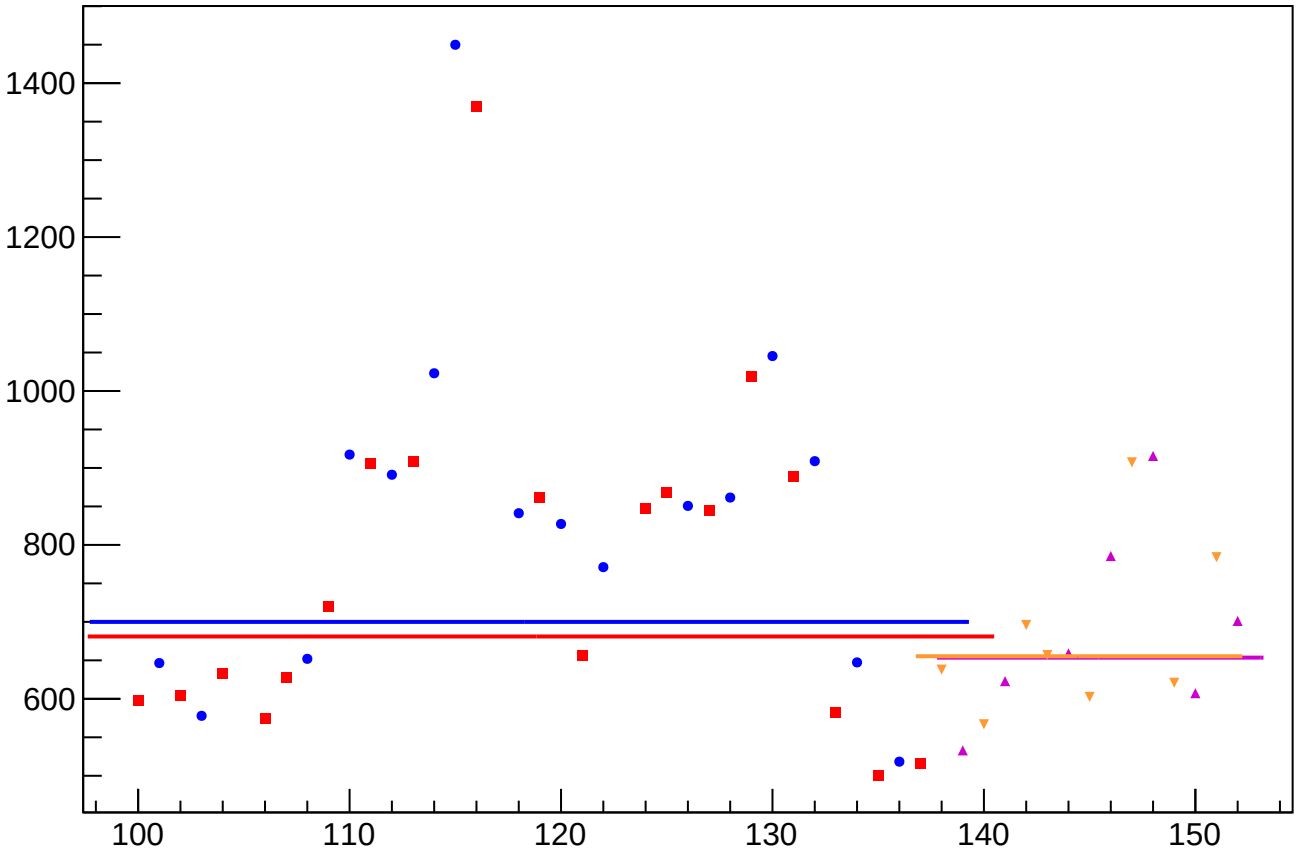
Left: -73.609+/-189.561 χ^2/NDF: 20.5/14

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -388.272+/-189.620 χ^2/NDF:21.2/22

Out: -93.987+/-185.145 χ^2/NDF:25.3/26

All: -237.616+/-132.471 χ^2/NDF: 47.8/49



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: 653.534+/-0.190 χ^2/NDF:290798.6/6

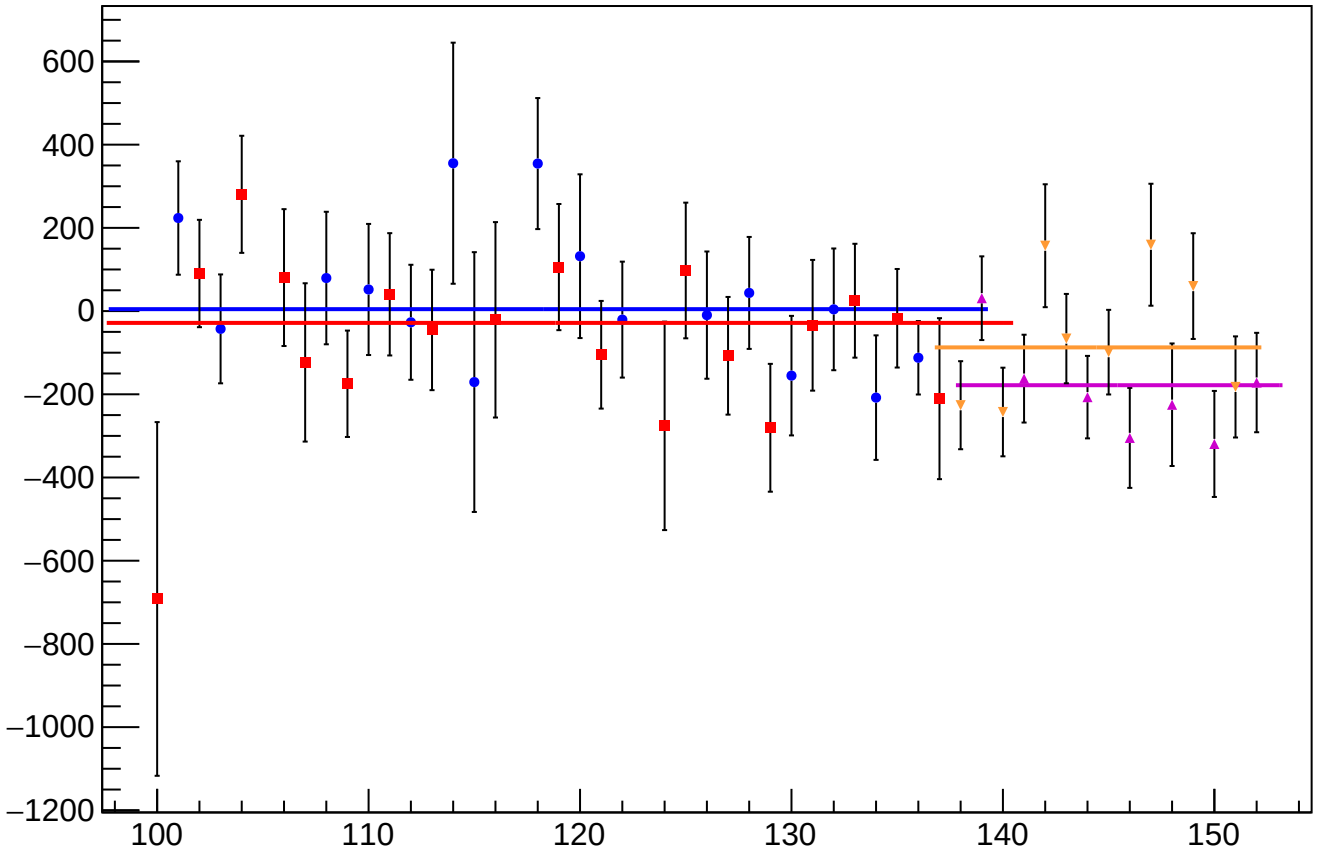
Left: 654.437+/-0.134 χ^2/NDF: 521765.3/14

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 676.866+/-0.134 χ^2/NDF:1074452.7/22

Out: 668.698+/-0.131 χ^2/NDF:1009926.4/26

All: 672.685+/-0.094 χ^2/NDF: 2086278.8/49



Right In: 4.620+/-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: -178.185+/-43.139 χ^2/NDF:6.9/6

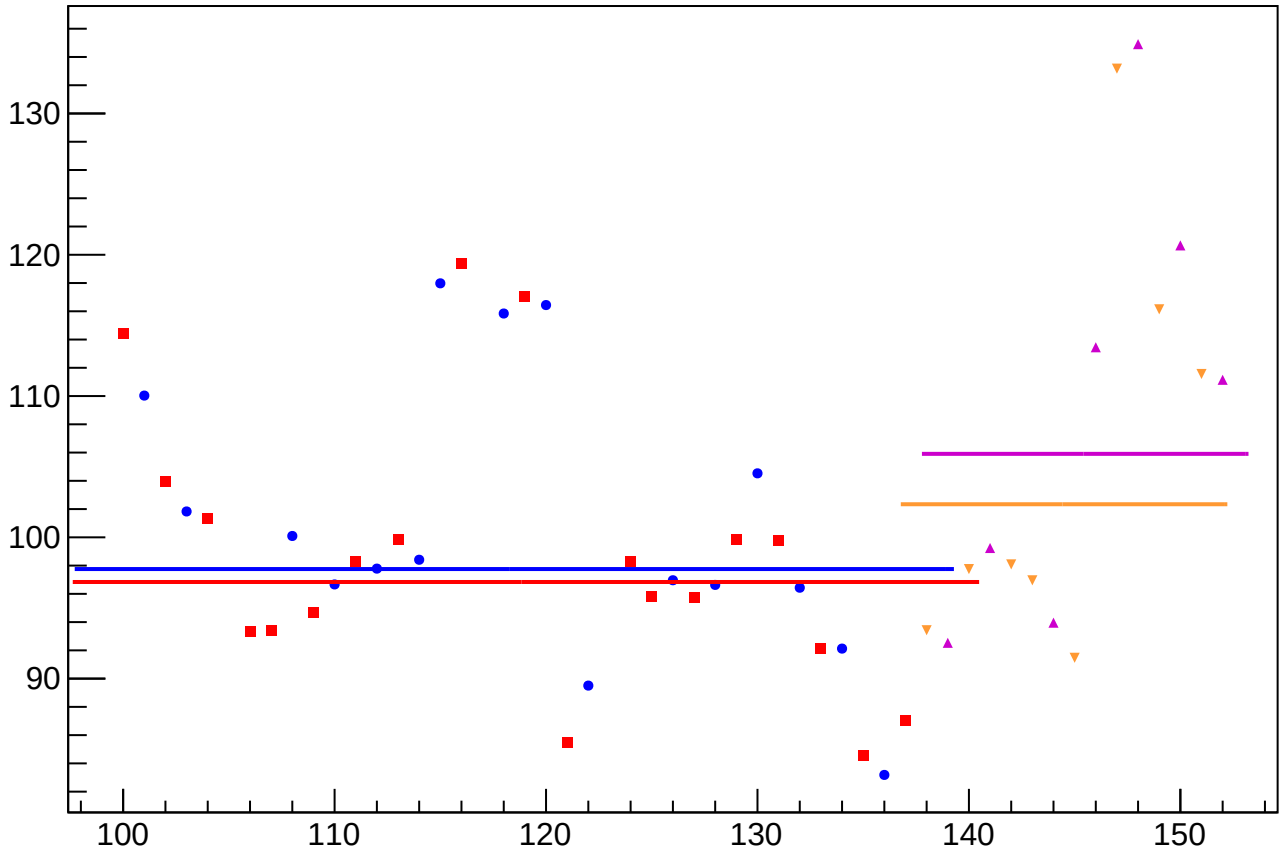
Left: -130.887+/-29.877 χ^2/NDF: 20.6/14

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -71.669+/-27.868 χ^2/NDF:32.7/22

Out: -53.314+/-26.939 χ^2/NDF:29.7/26

All: -62.180+/-19.369 χ^2/NDF: 62.6/49



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: 105.909+/-0.031 χ^2/NDF:188474.1/6

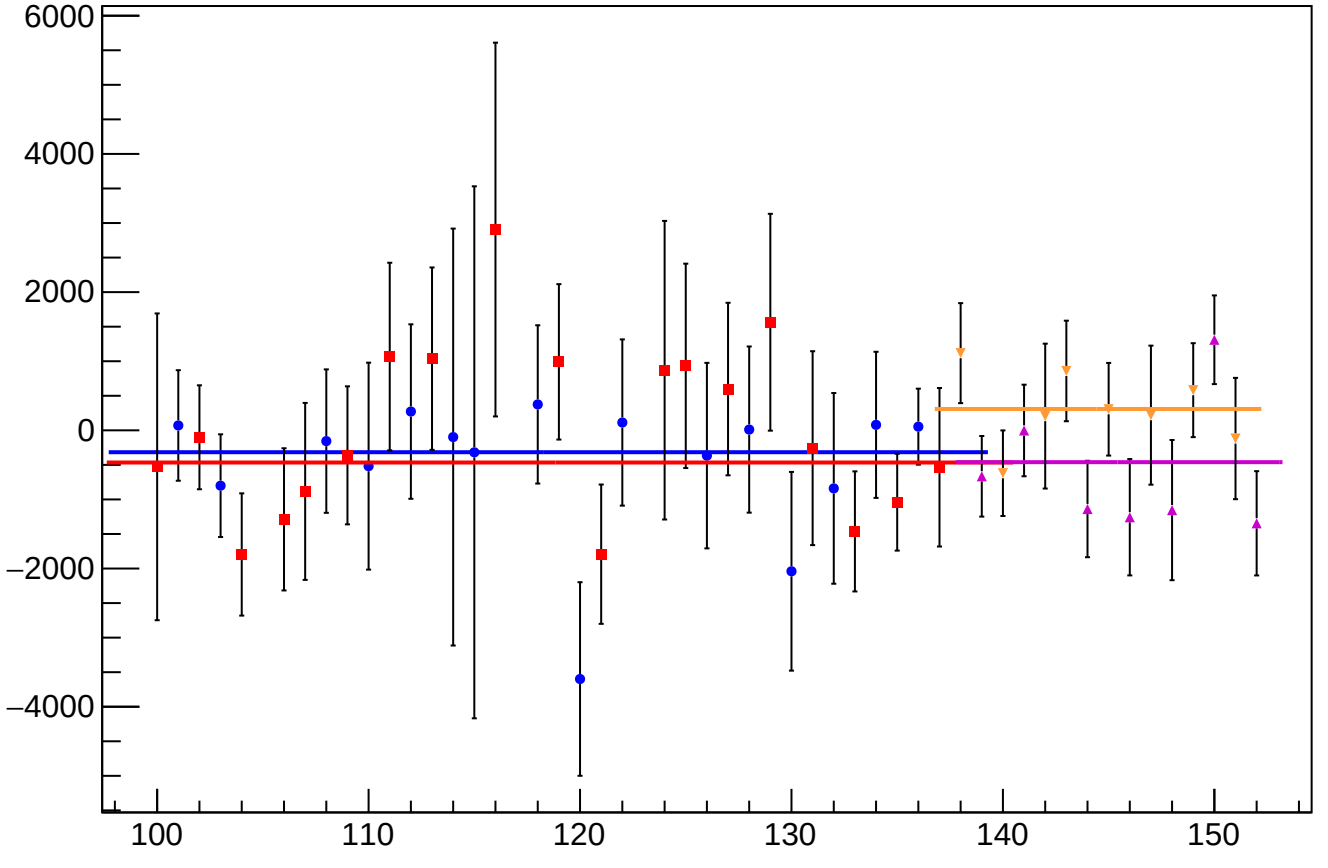
Left: 104.053+/-0.021 χ^2/NDF: 366615.6/14

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 101.158+/-0.020 χ^2/NDF:370754.7/22

Out: 99.167+/-0.019 χ^2/NDF:306569.3/26

All: 100.129+/-0.014 χ^2/NDF: 682601.6/49



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: -460.673+/-268.816 χ^2/NDF:11.9/6

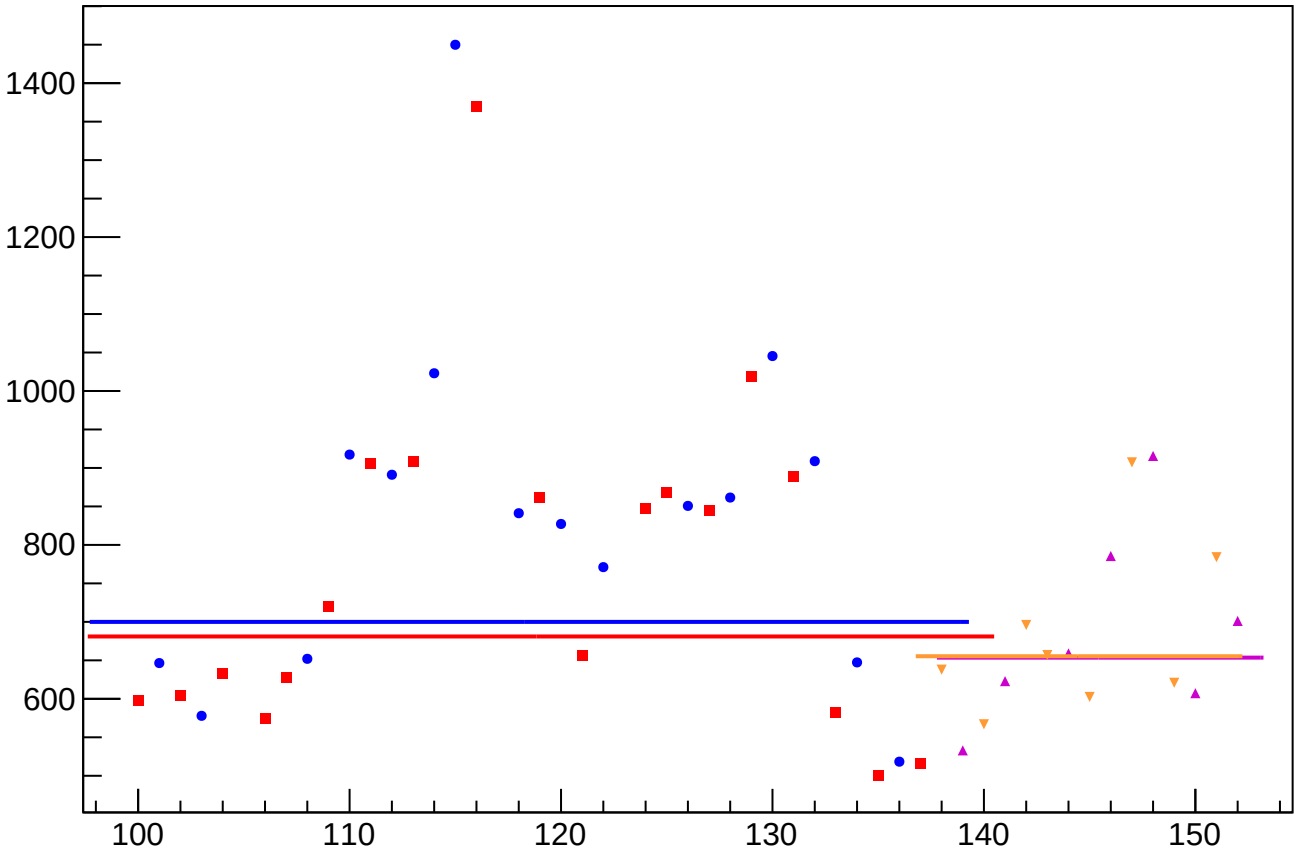
Left: -73.610+/-189.562 χ^2/NDF: 20.5/14

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -388.272+/-189.620 χ^2/NDF:21.2/22

Out: -93.989+/-185.145 χ^2/NDF:25.3/26

All: -237.617+/-132.471 χ^2/NDF: 47.8/49



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: 653.535+/-0.190 χ^2/NDF:290798.3/6

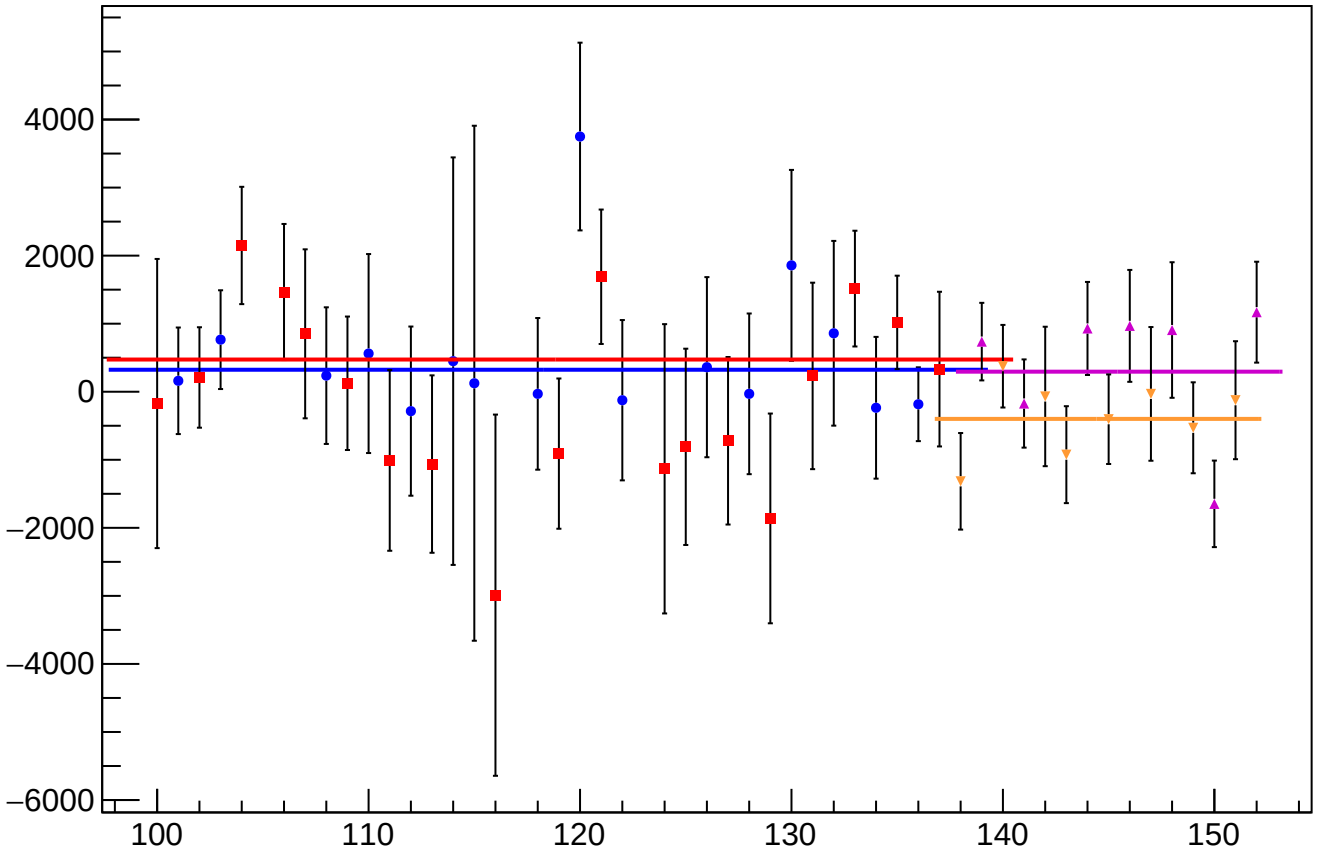
Left: 654.438+/-0.134 χ^2/NDF: 521764.2/14

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 676.866+/-0.134 χ^2/NDF:1074451.9/22

Out: 668.698+/-0.131 χ^2/NDF:1009927.1/26

All: 672.684+/-0.094 χ^2/NDF: 2086278.9/49



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: 294.857+/-263.726 χ^2/NDF:13.8/6

Left: -54.062+/-185.958 χ^2/NDF: 21.5/14

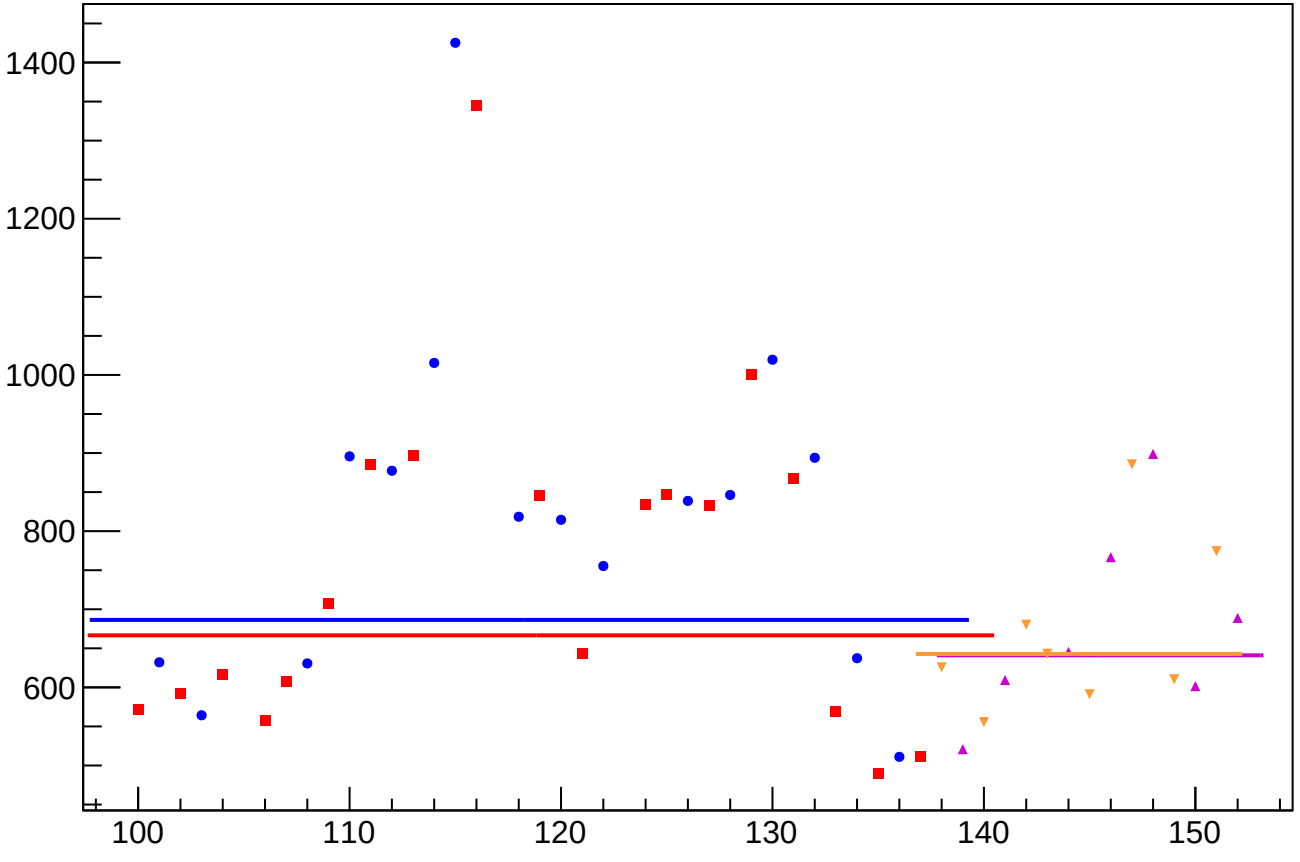
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 309.103+/-185.988 χ^2/NDF:23.5/22

Out: 55.612+/-181.454 χ^2/NDF:29.4/26

All: 179.230+/-129.881 χ^2/NDF: 53.8/49

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: 641.026+/-0.186 χ^2/NDF:290540.0/6

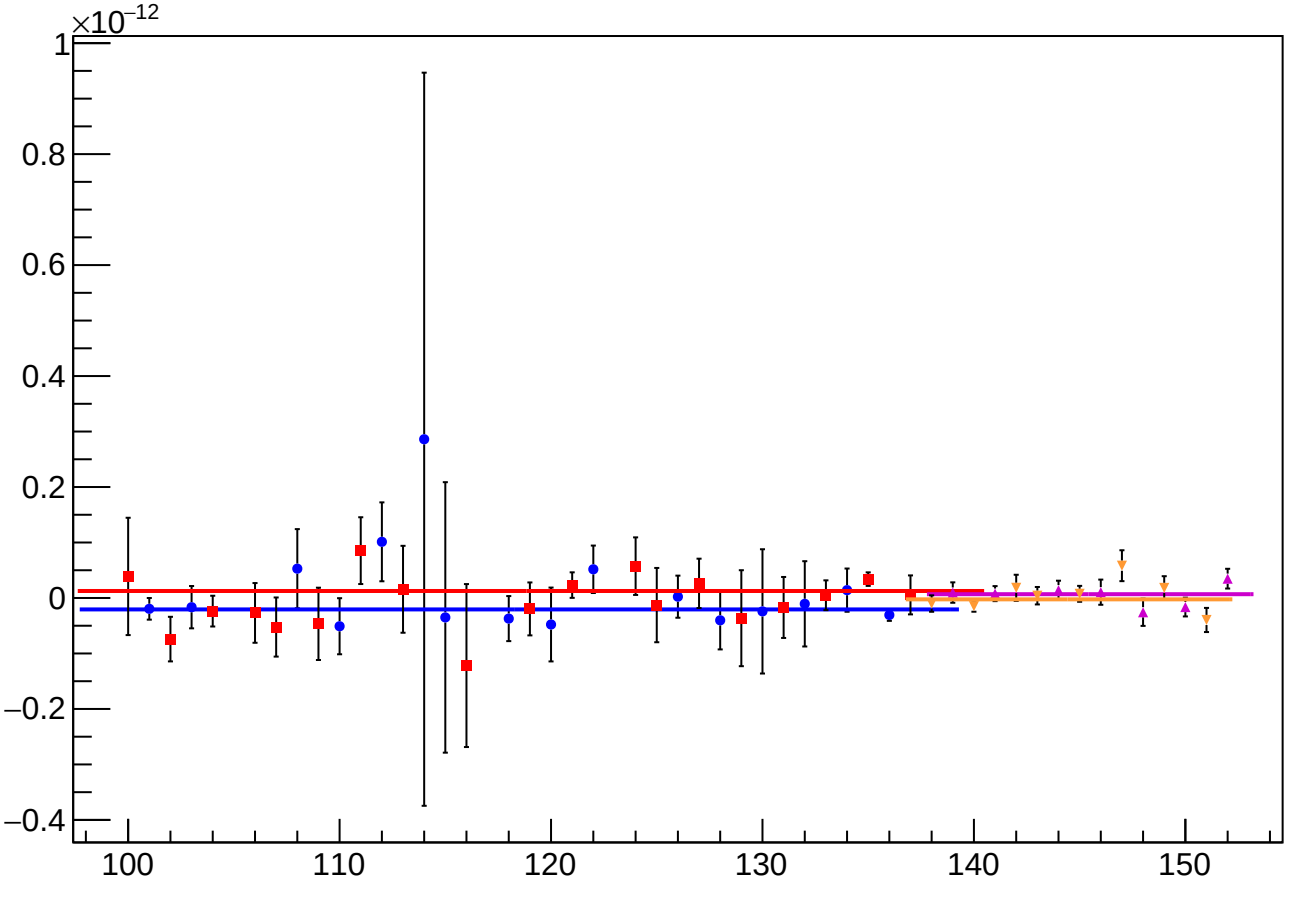
Left: 641.912+/-0.131 χ^2/NDF: 521005.2/14

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 663.830+/-0.132 χ^2/NDF:1069744.8/22

Out: 655.218+/-0.128 χ^2/NDF:1016074.4/26

All: 659.418+/-0.092 χ^2/NDF: 2088016.6/49



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:6.3/6

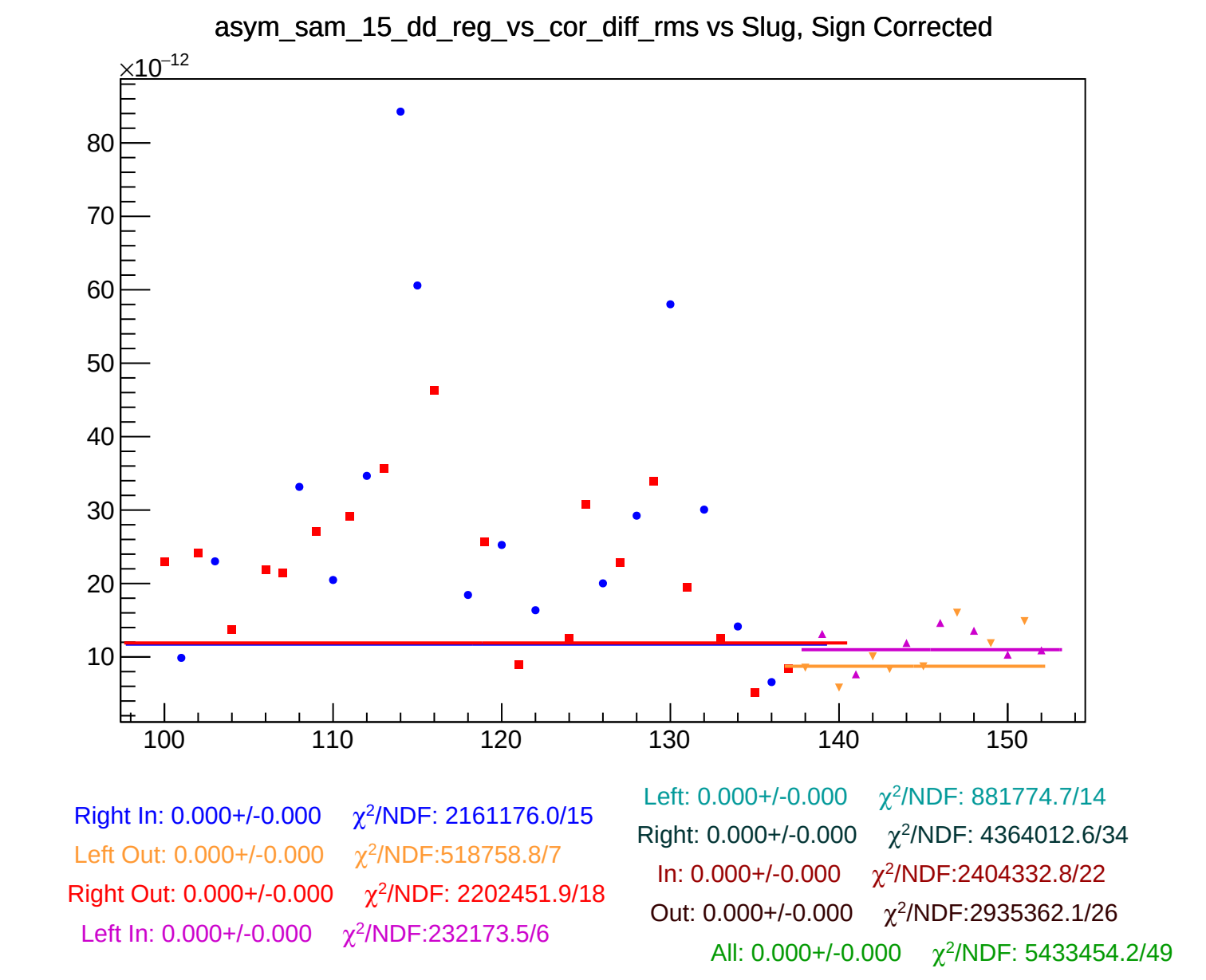
Left: 0.000+/-0.000 χ^2/NDF: 19.3/14

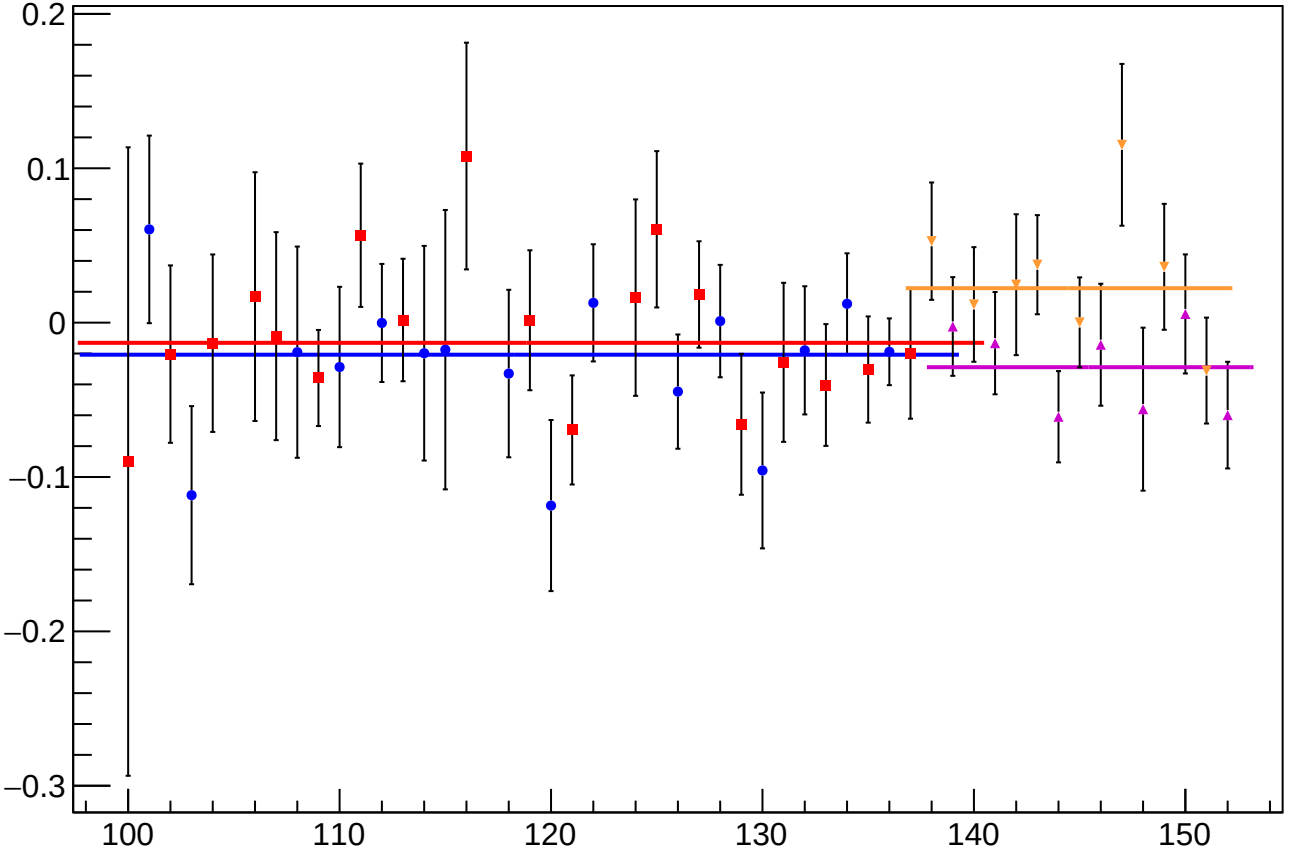
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:23.4/22

Out: 0.000+/-0.000 χ^2/NDF:31.3/26

All: -0.000+/-0.000 χ^2/NDF: 55.9/49


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:232173.5/6
Left: 0.000+/-0.000 χ²/NDF: 881774.7/14
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2404332.8/22
Out: 0.000+/-0.000 χ²/NDF:2935362.1/26
All: 0.000+/-0.000 χ²/NDF: 5433454.2/49



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: -0.029+/-0.013 χ^2/NDF:4.1/6

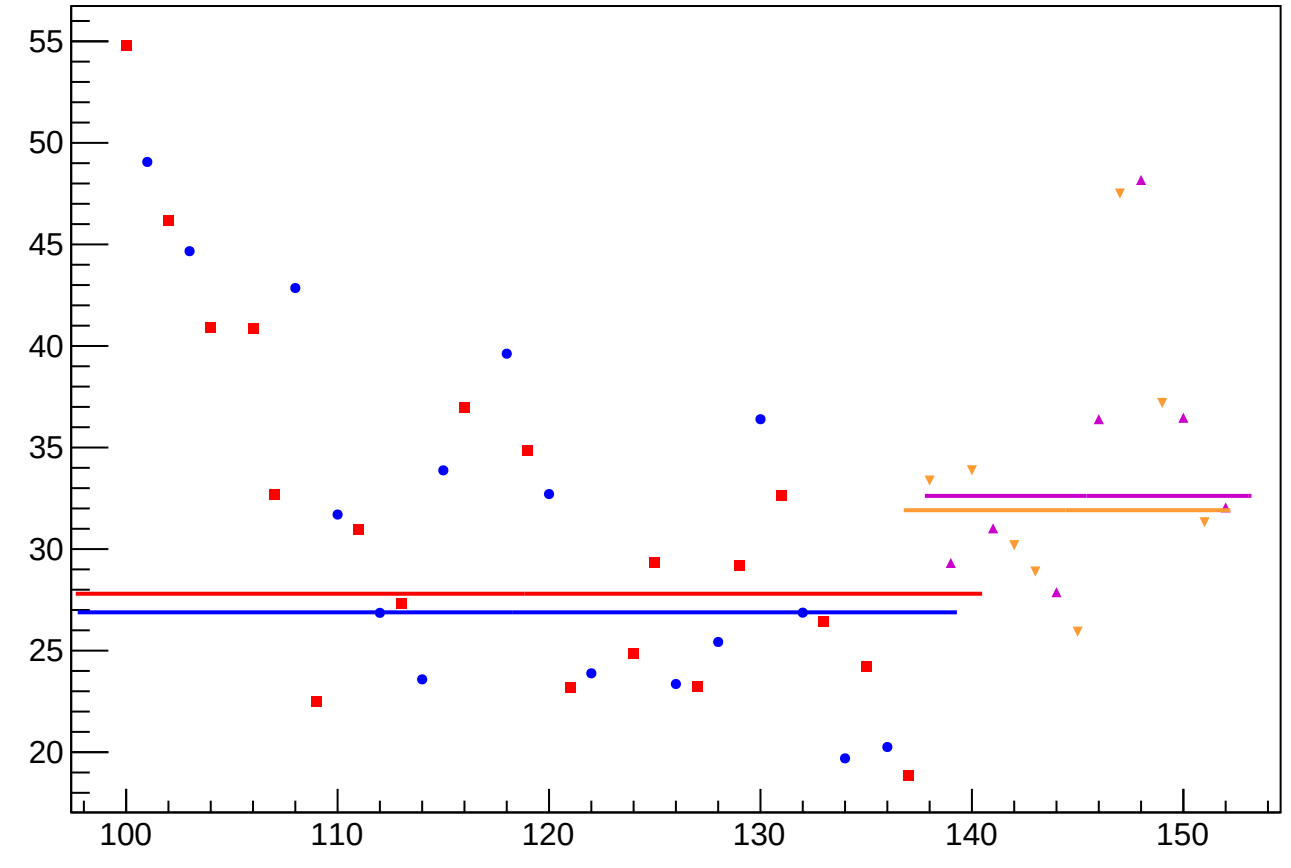
Left: -0.003+/-0.009 χ^2/NDF: 18.8/14

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.024+/-0.008 χ^2/NDF:16.9/22

Out: 0.001+/-0.008 χ^2/NDF:25.6/26

All: -0.011+/-0.006 χ^2/NDF: 46.9/49



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: 32.620+/-0.009 χ^2/NDF:289757.6/6

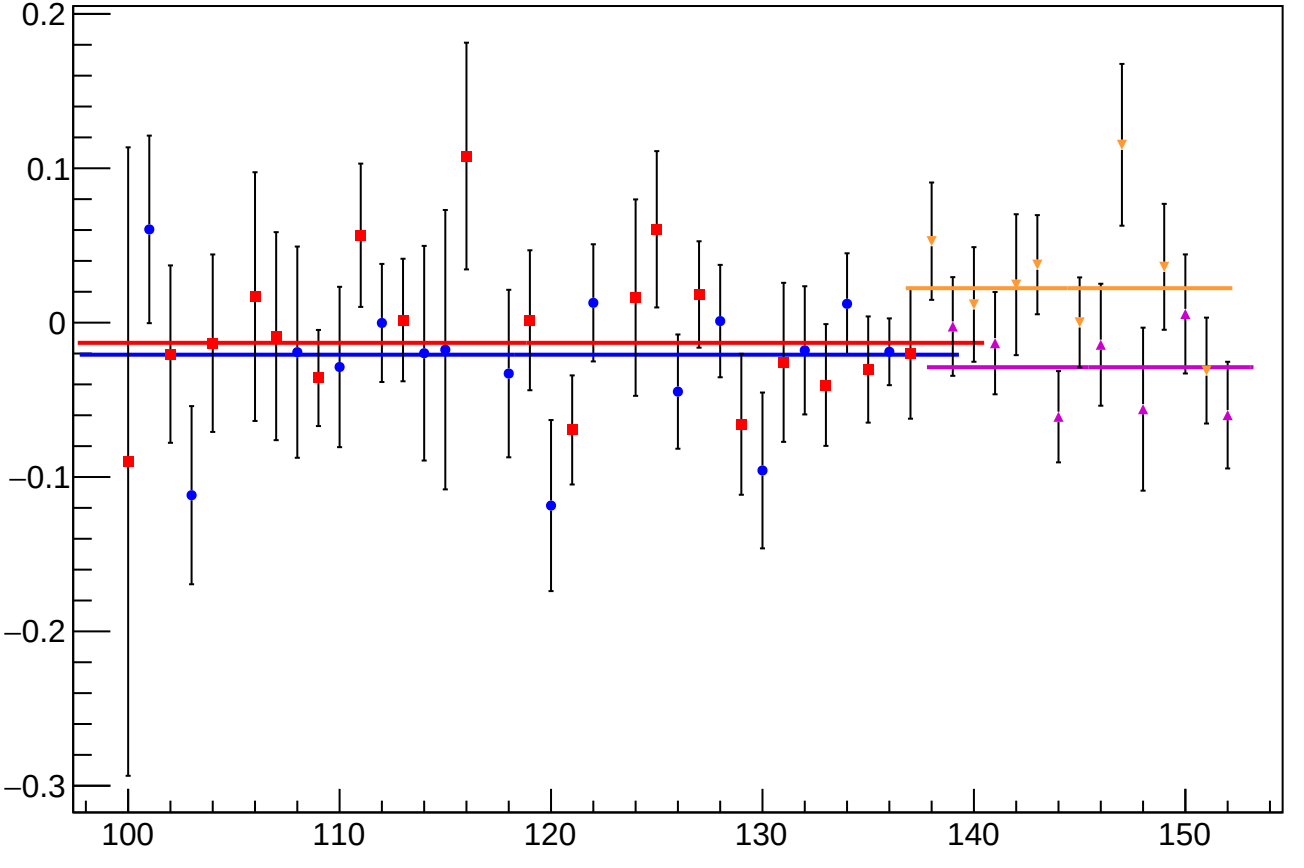
Left: 32.257+/-0.007 χ^2/NDF: 616864.0/14

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.063+/-0.006 χ^2/NDF:1636381.7/22

Out: 29.423+/-0.006 χ^2/NDF:1207366.0/26

All: 29.245+/-0.004 χ^2/NDF: 2845655.2/49



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: -0.029+/-0.013 χ^2/NDF:4.1/6

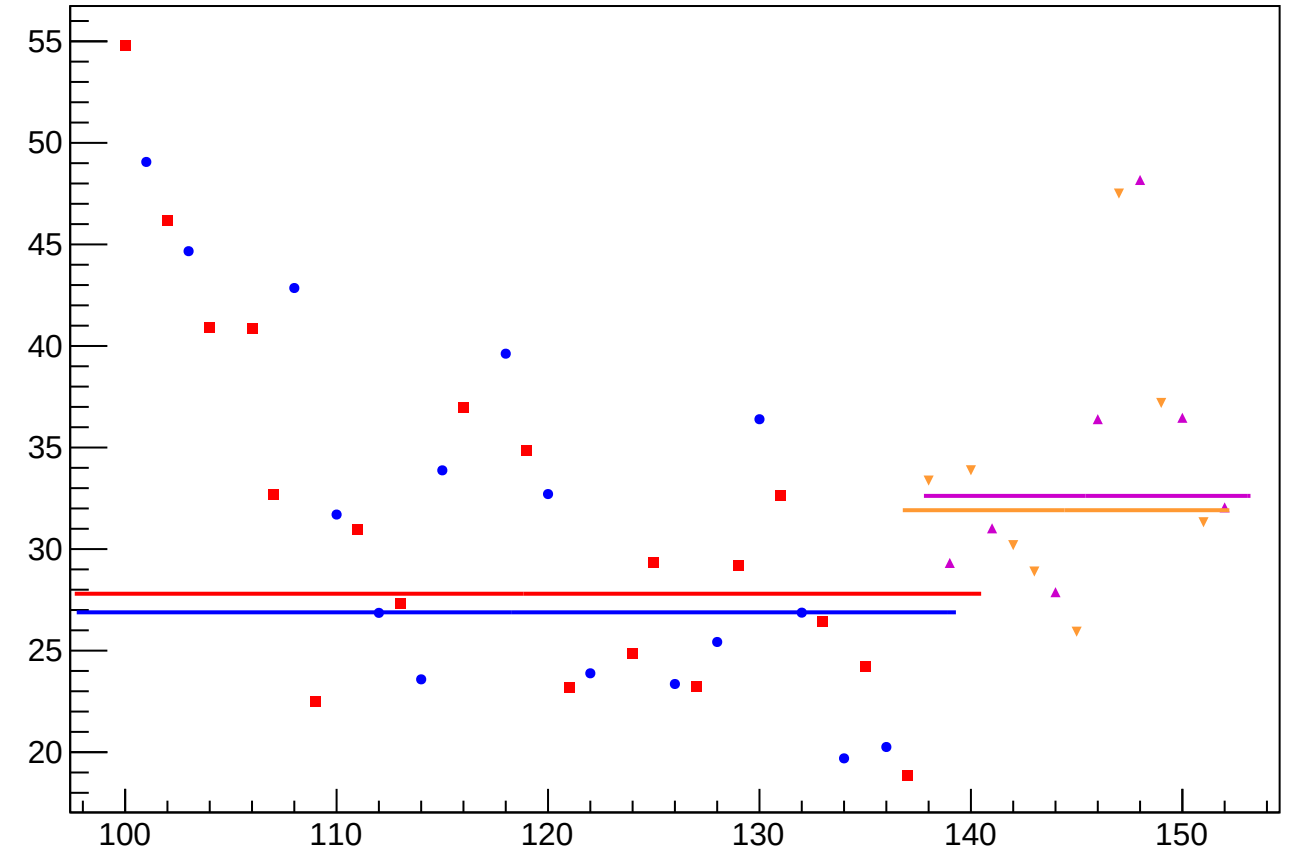
Left: -0.003+/-0.009 χ^2/NDF: 18.8/14

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.024+/-0.008 χ^2/NDF:16.9/22

Out: 0.001+/-0.008 χ^2/NDF:25.6/26

All: -0.011+/-0.006 χ^2/NDF: 46.9/49



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: 32.620+/-0.009 χ^2/NDF:289757.6/6

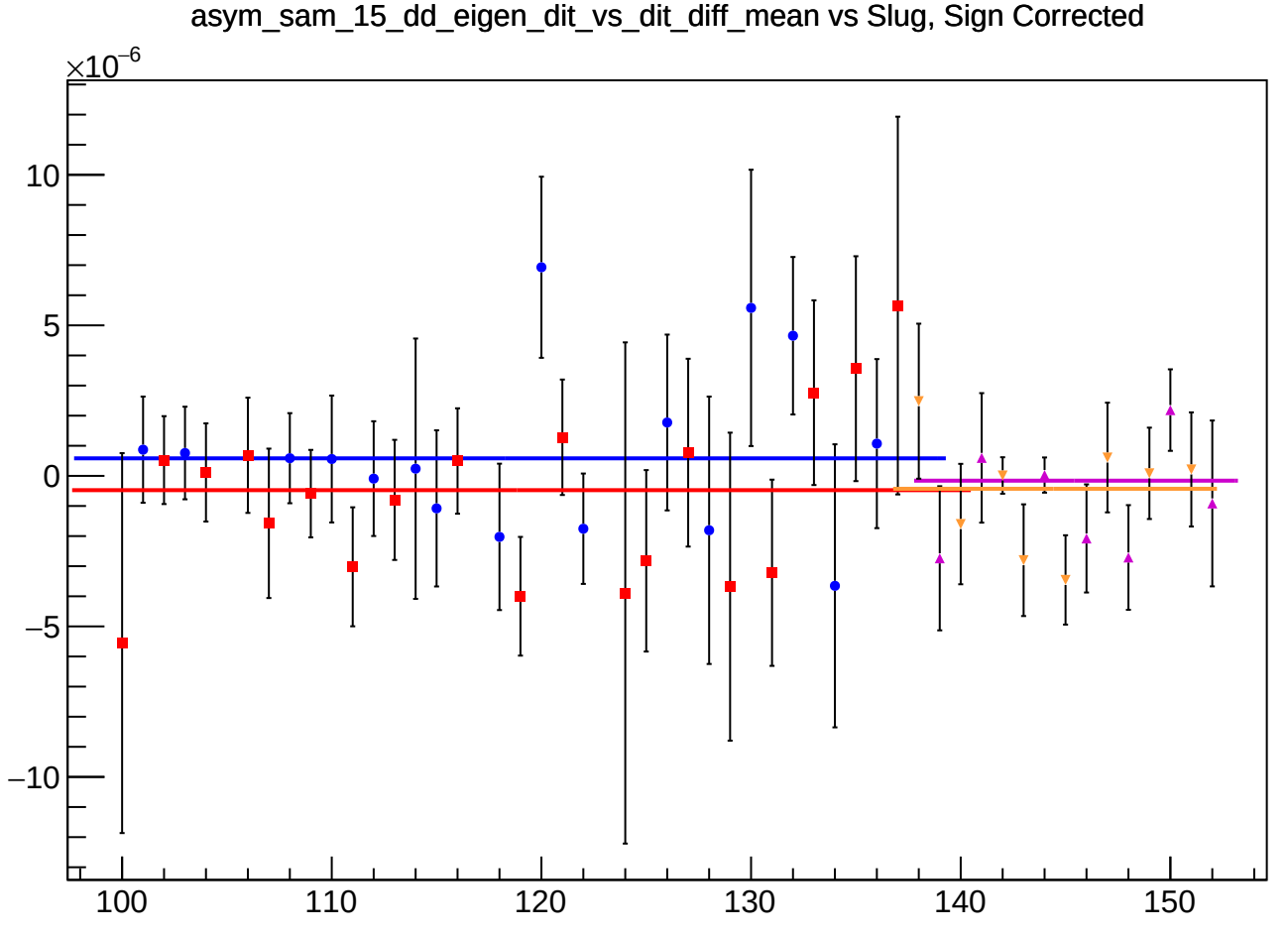
Left: 32.257+/-0.007 χ^2/NDF: 616864.0/14

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.063+/-0.006 χ^2/NDF:1636381.7/22

Out: 29.423+/-0.006 χ^2/NDF:1207366.0/26

All: 29.245+/-0.004 χ^2/NDF: 2845655.2/49



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:7.8/6

Left: -0.000+/-0.000 χ^2/NDF: 16.4/14

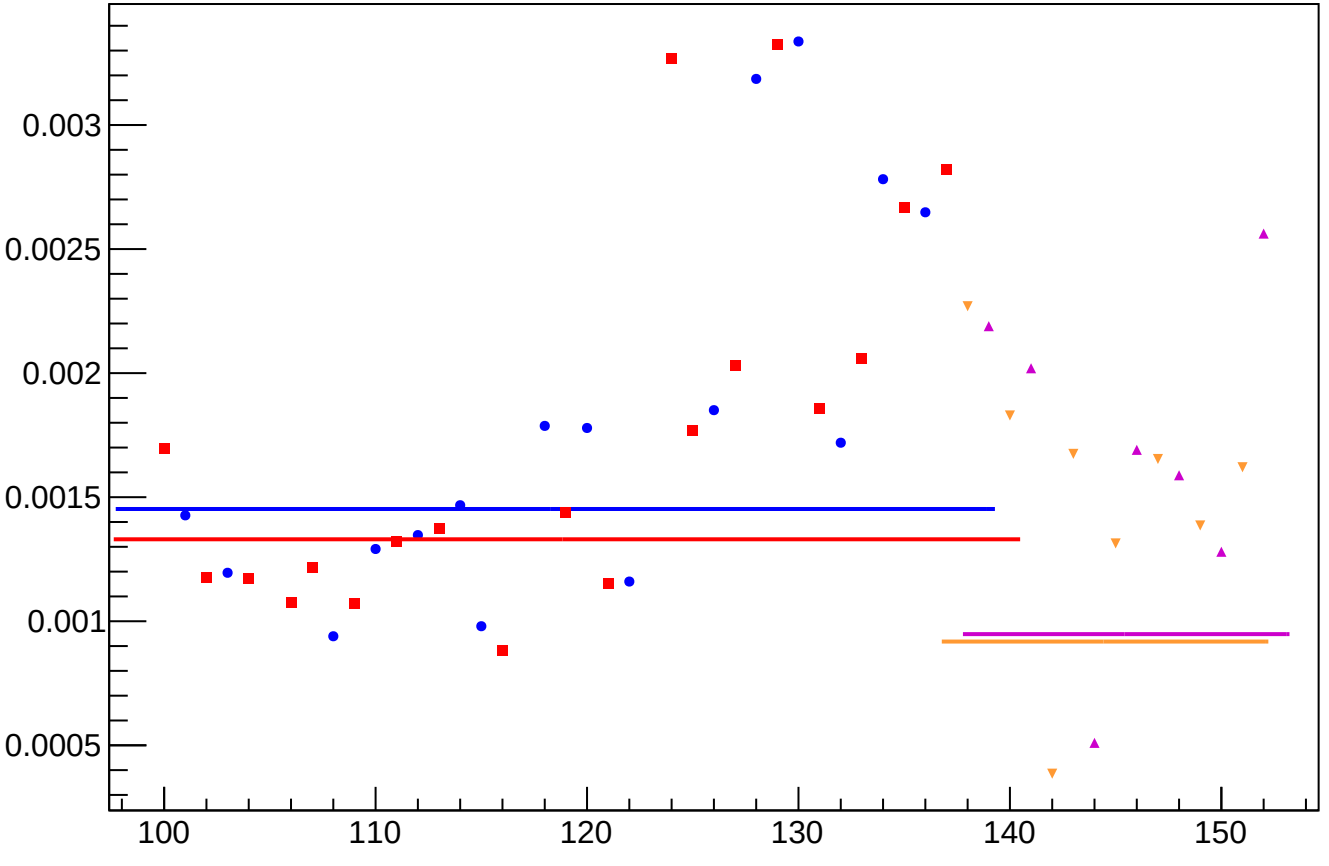
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:21.5/22

Out: -0.000+/-0.000 χ^2/NDF:21.7/26

All: -0.000+/-0.000 χ^2/NDF: 44.5/49

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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:3580302.5/6

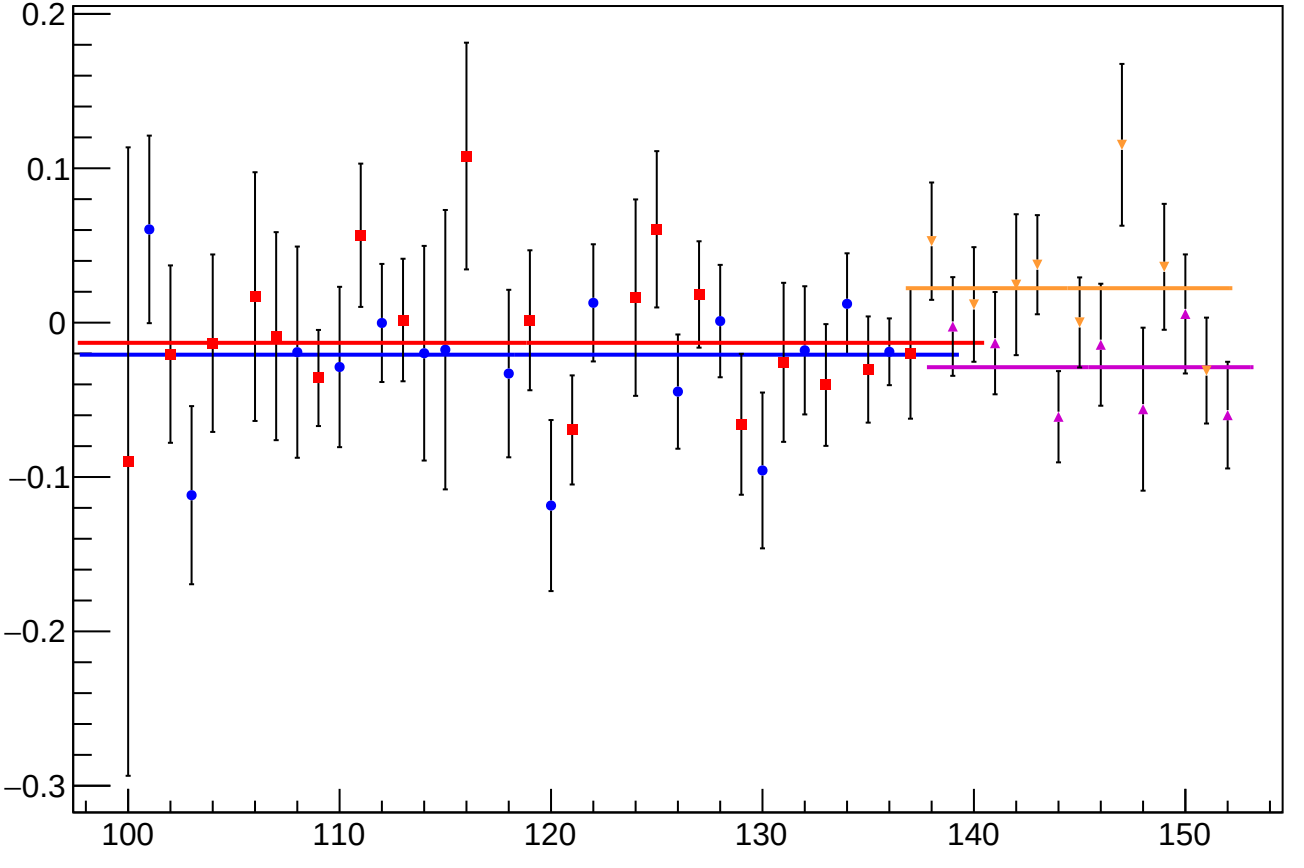
Left: 0.001+/-0.000 χ^2/NDF: 7363139.5/14

Right: 0.001+/-0.000 χ^2/NDF: 3162860.5/34

In: 0.001+/-0.000 χ^2/NDF:6218346.5/22

Out: 0.001+/-0.000 χ^2/NDF:5898509.8/26

All: 0.001+/-0.000 χ^2/NDF: 12137189.1/49



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: -0.029+/-0.013 χ^2/NDF:4.1/6

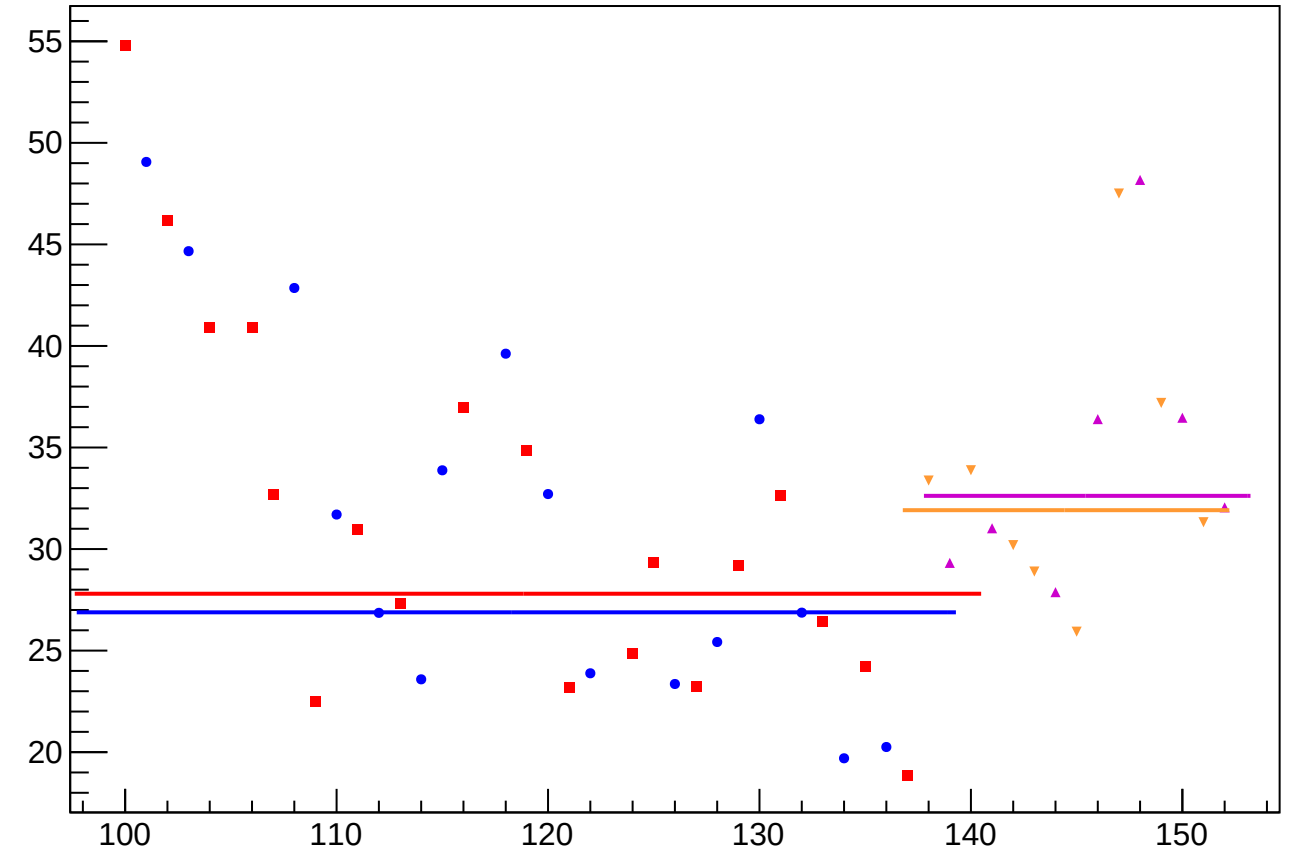
Left: -0.003+/-0.009 χ^2/NDF: 18.8/14

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.024+/-0.008 χ^2/NDF:16.9/22

Out: 0.001+/-0.008 χ^2/NDF:25.6/26

All: -0.011+/-0.006 χ^2/NDF: 46.9/49



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: 32.620+/-0.009 χ^2/NDF:289765.2/6

Left: 32.257+/-0.007 χ^2/NDF: 616927.3/14

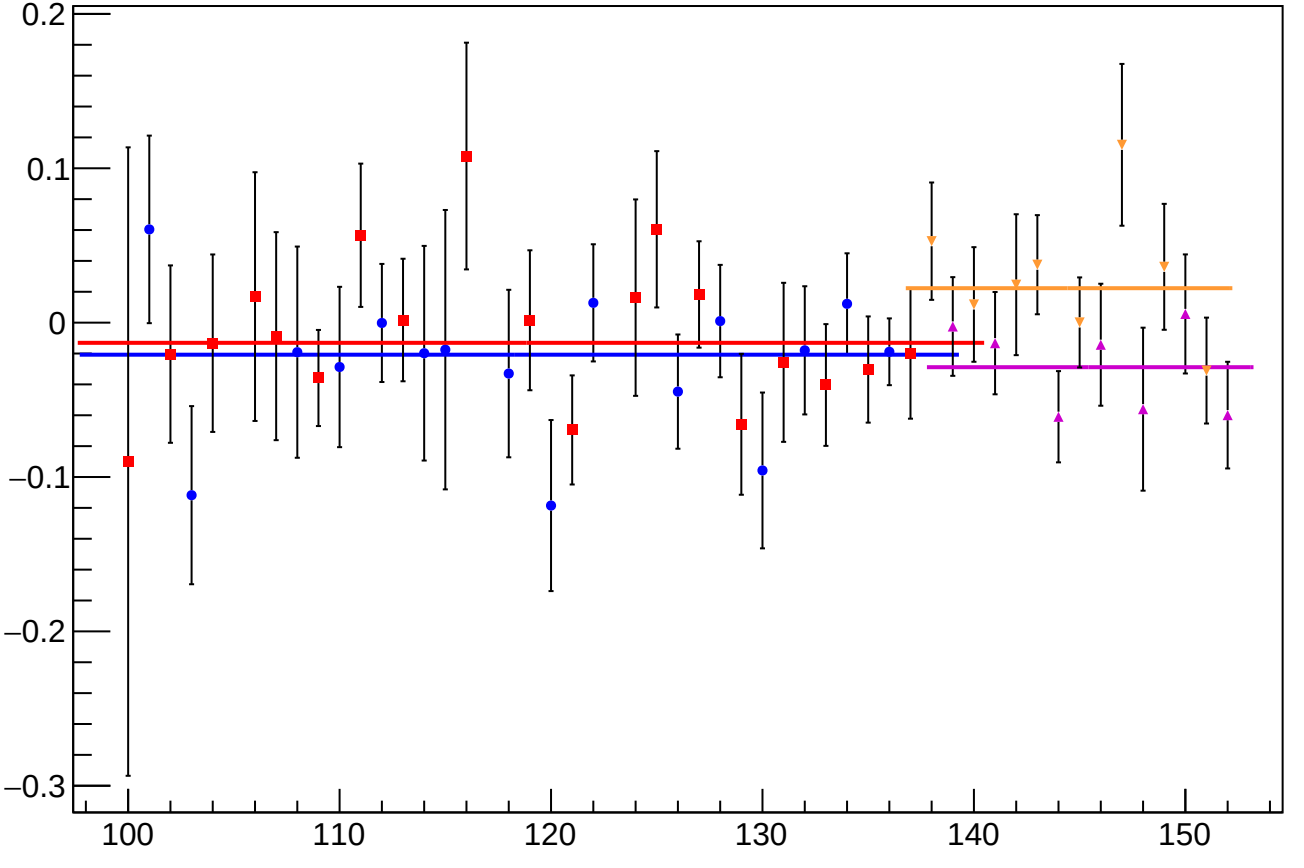
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.063+/-0.006 χ^2/NDF:1636513.0/22

Out: 29.422+/-0.006 χ^2/NDF:1207613.5/26

All: 29.244+/-0.004 χ^2/NDF: 2846029.7/49

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: -0.029+/-0.013 χ^2/NDF:4.1/6

Left: -0.003+/-0.009 χ^2/NDF: 18.8/14

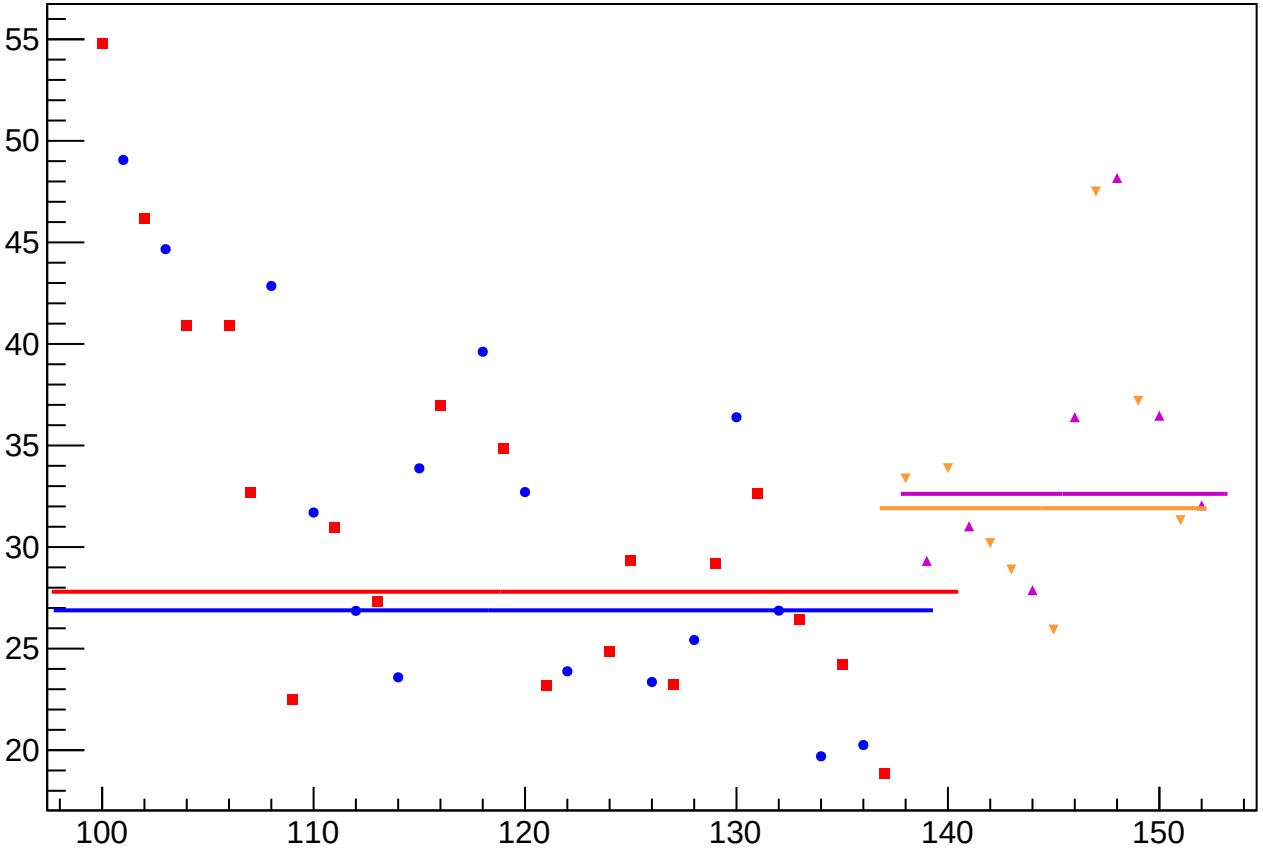
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.024+/-0.008 χ^2/NDF:16.9/22

Out: 0.001+/-0.008 χ^2/NDF:25.6/26

All: -0.011+/-0.006 χ^2/NDF: 46.9/49

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: 32.620+/-0.009 χ^2/NDF:289765.2/6

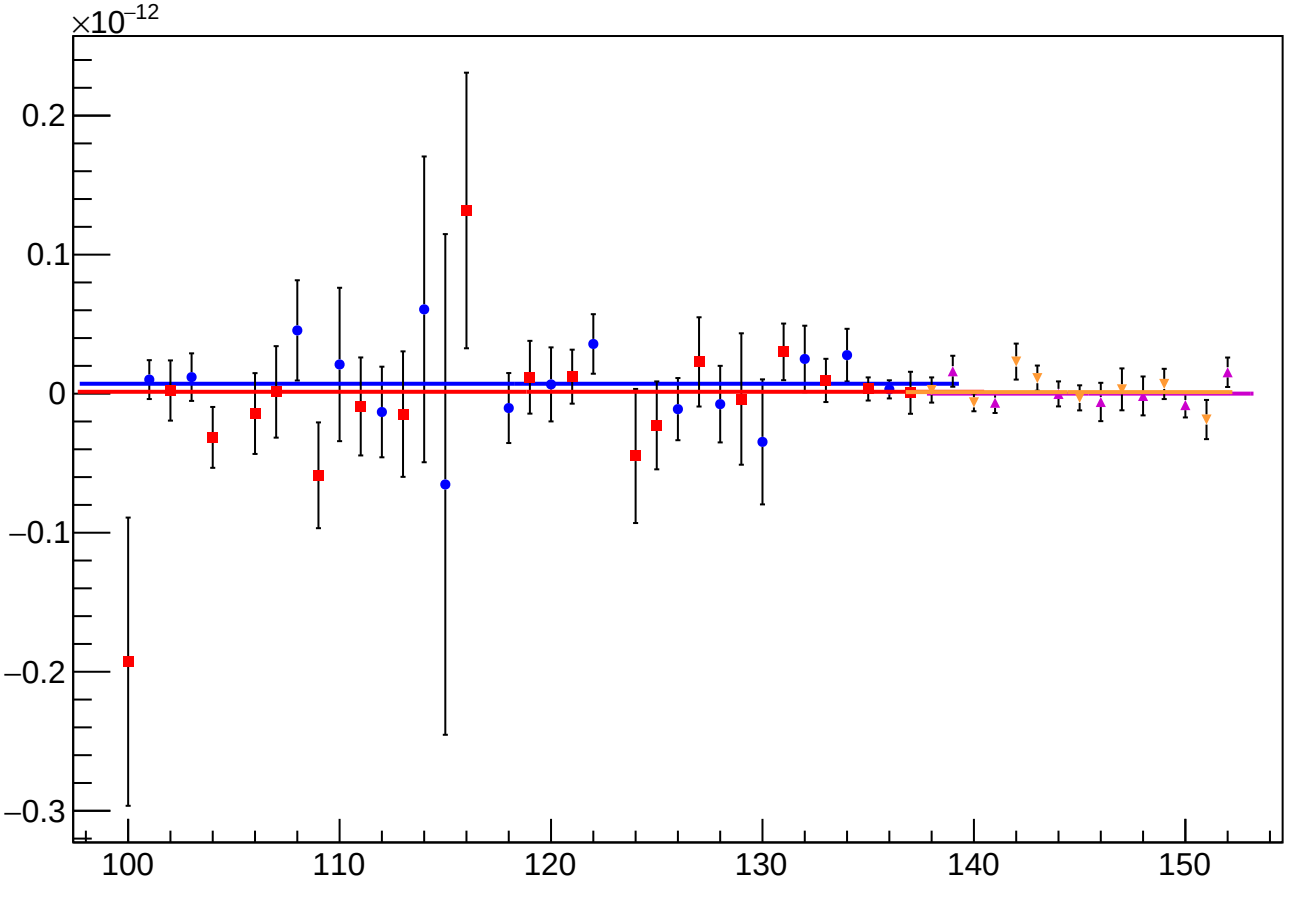
Left: 32.257+/-0.007 χ^2/NDF: 616927.3/14

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.063+/-0.006 χ^2/NDF:1636513.0/22

Out: 29.422+/-0.006 χ^2/NDF:1207613.5/26

All: 29.244+/-0.004 χ^2/NDF: 2846029.7/49



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:6.0/6

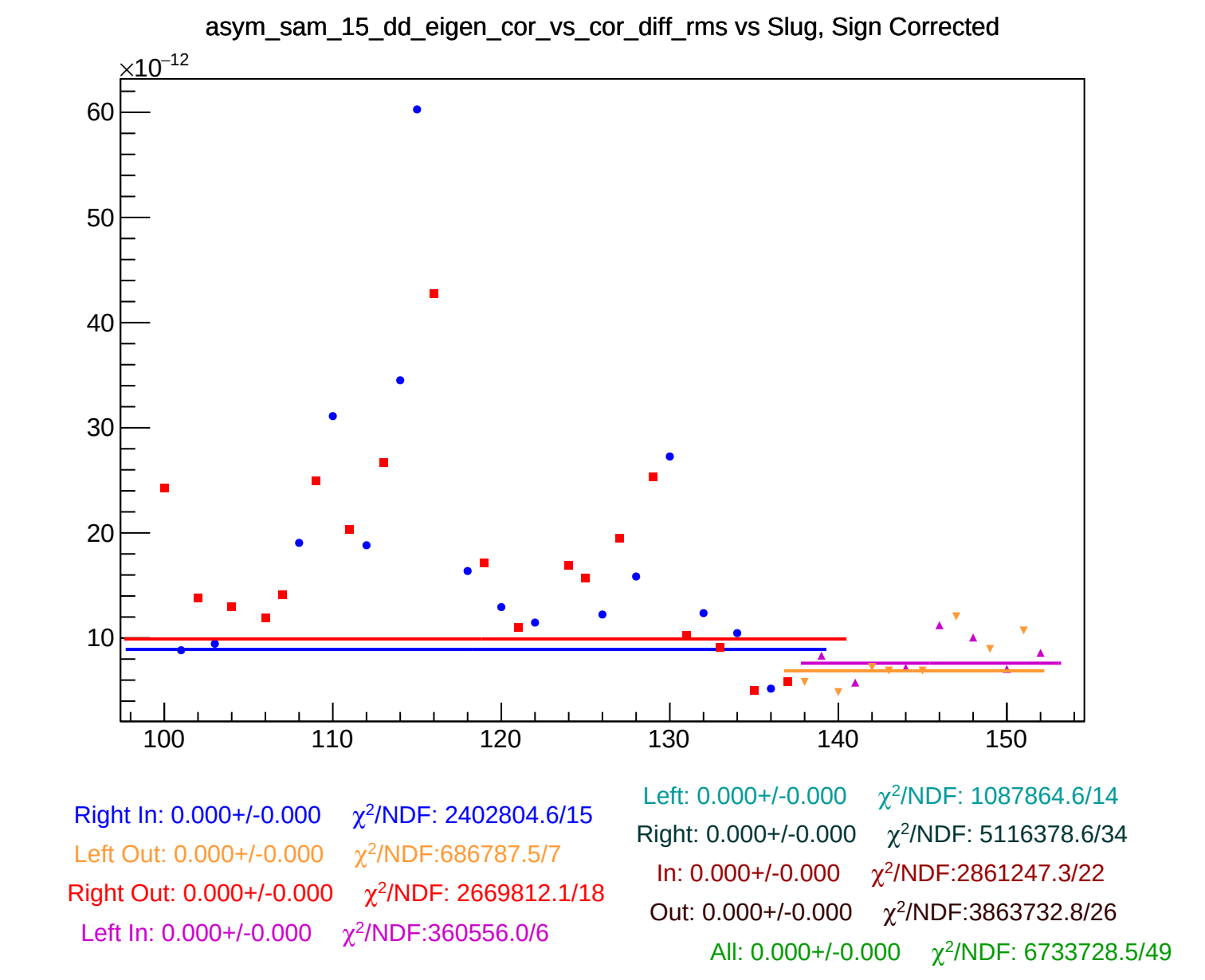
Left: 0.000+/-0.000 χ^2/NDF: 14.0/14

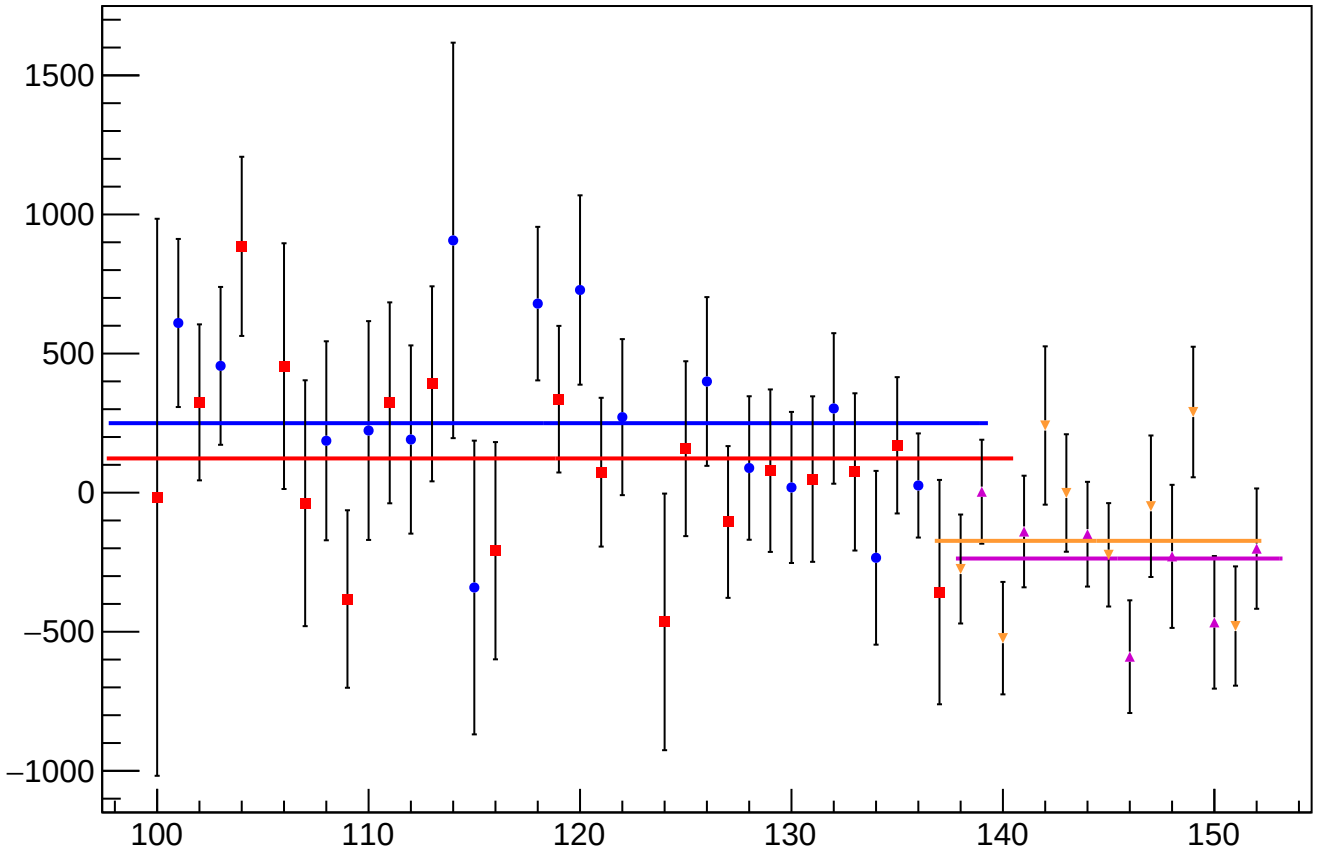
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

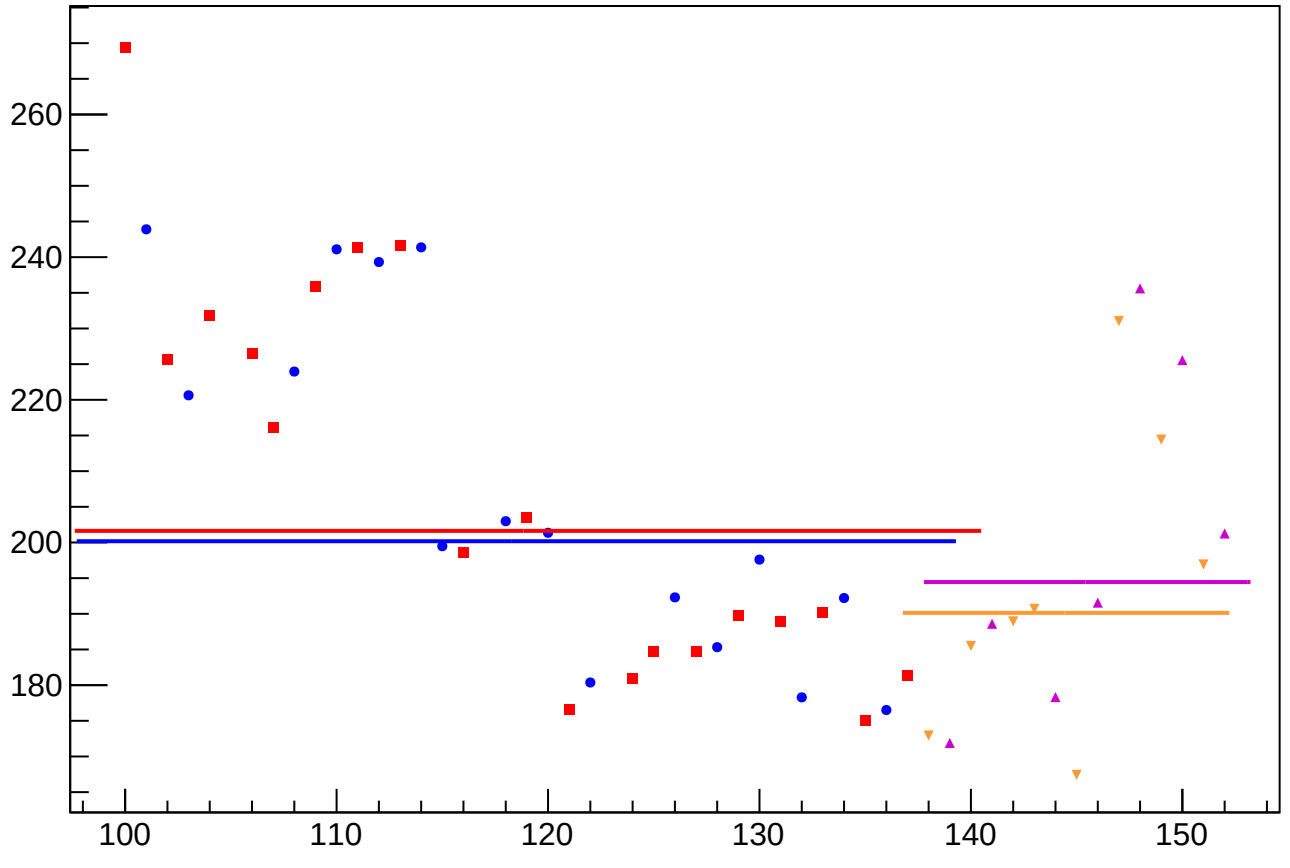
In: 0.000+/-0.000 χ^2/NDF:15.8/22

Out: 0.000+/-0.000 χ^2/NDF:23.2/26

All: 0.000+/-0.000 χ^2/NDF: 39.1/49


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:360556.0/6
Left: 0.000+/-0.000 χ²/NDF: 1087864.6/14
Right: 0.000+/-0.000 χ²/NDF: 5116378.6/34
In: 0.000+/-0.000 χ²/NDF:2861247.3/22
Out: 0.000+/-0.000 χ²/NDF:3863732.8/26
All: 0.000+/-0.000 χ²/NDF: 6733728.5/49


reg_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: 249.761+/-74.877 χ²/NDF: 13.8/15
Left Out: -173.248+/-76.774 χ²/NDF:12.3/7
Right Out: 122.993+/-74.370 χ²/NDF: 15.6/18
Left In: -236.782+/-79.011 χ²/NDF:6.1/6
Left: -204.103+/-55.061 χ²/NDF: 18.7/14
Right: 185.946+/-52.766 χ²/NDF: 30.8/34
In: 19.549+/-54.349 χ²/NDF:39.8/22
Out: -20.417+/-53.417 χ²/NDF:35.5/26
All: -0.779+/-38.097 χ²/NDF: 75.6/49



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: 194.452+/-0.056 χ^2/NDF:133251.4/6

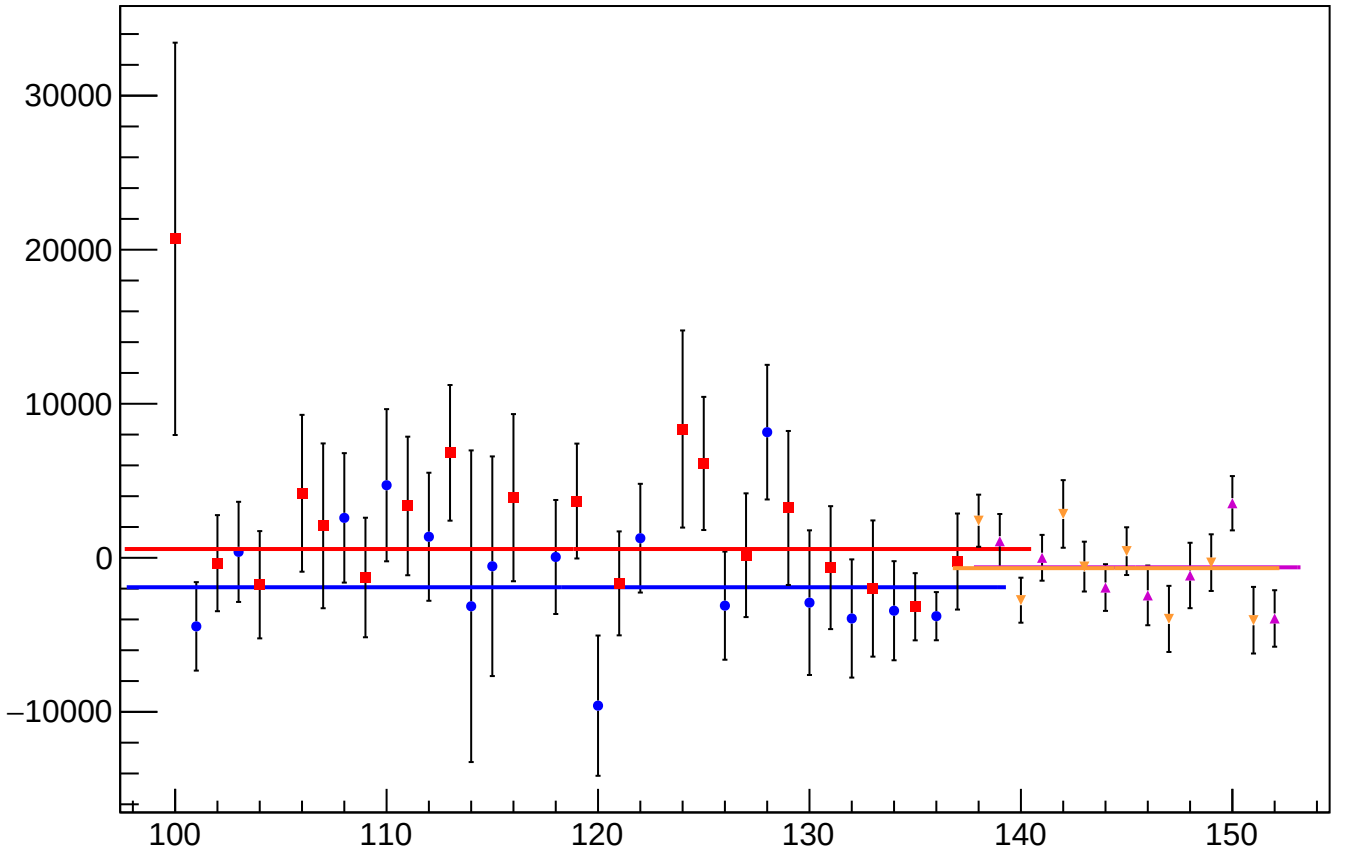
Left: 192.229+/-0.039 χ^2/NDF: 257859.4/14

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 197.468+/-0.038 χ^2/NDF:319784.3/22

Out: 196.061+/-0.038 χ^2/NDF:341913.7/26

All: 196.753+/-0.027 χ^2/NDF: 662379.4/49



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: -617.385+/-657.200 χ^2/NDF:11.6/6

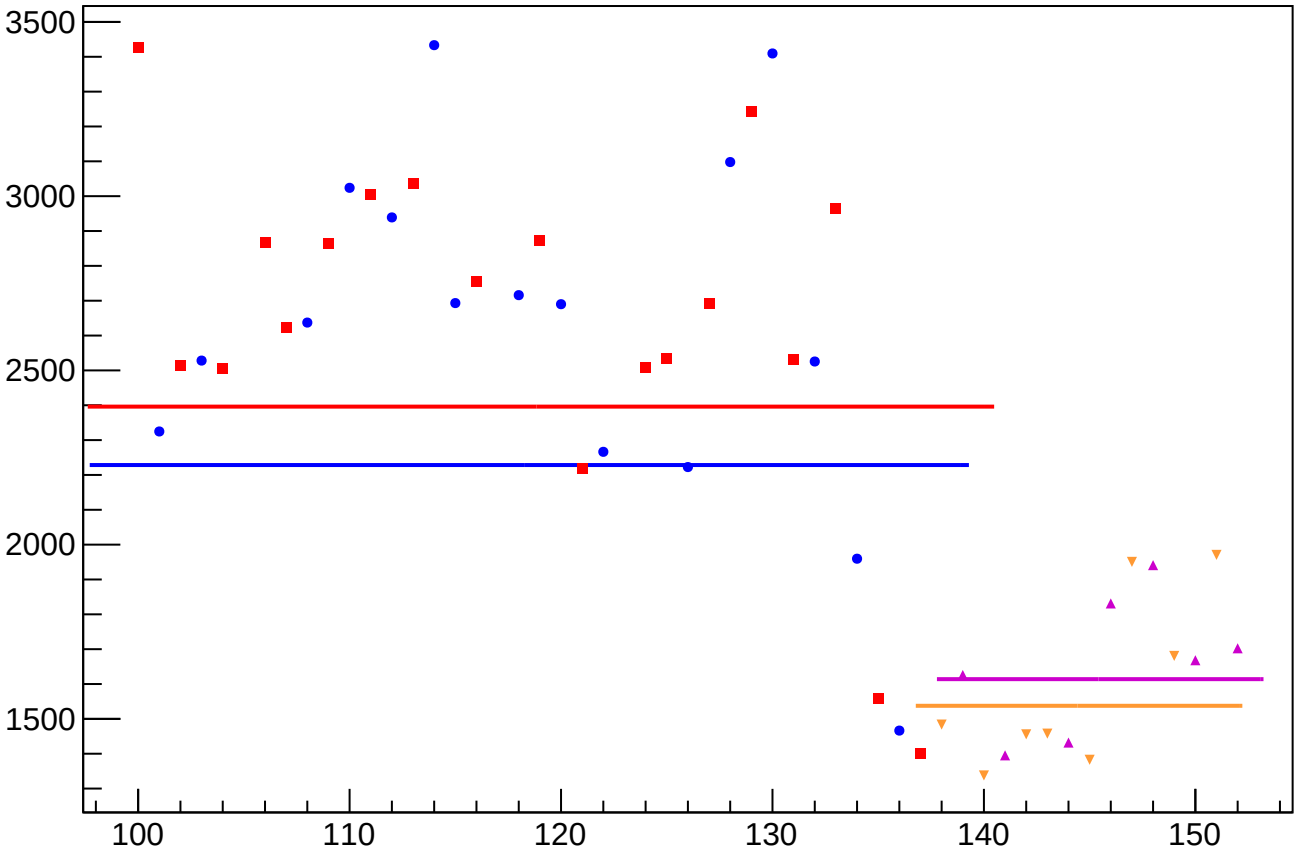
Left: -645.838+/-453.330 χ^2/NDF: 24.9/14

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -1094.713+/-521.979 χ^2/NDF:29.3/22

Out: -266.660+/-514.071 χ^2/NDF:29.2/26

All: -674.366+/-366.267 χ^2/NDF: 59.8/49



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: 1613.992+/-0.465 χ^2/NDF:151412.6/6

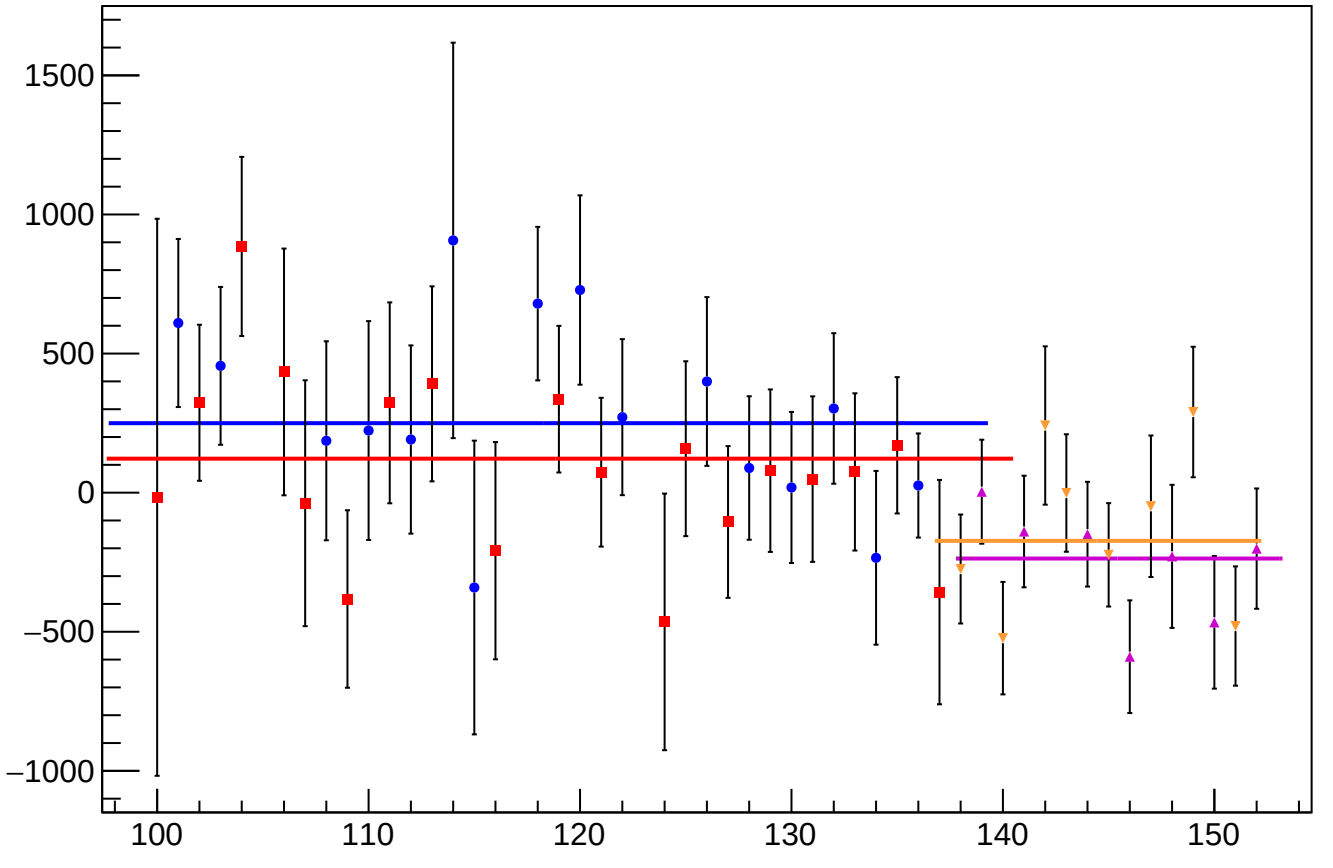
Left: 1573.916+/-0.321 χ^2/NDF: 399068.3/14

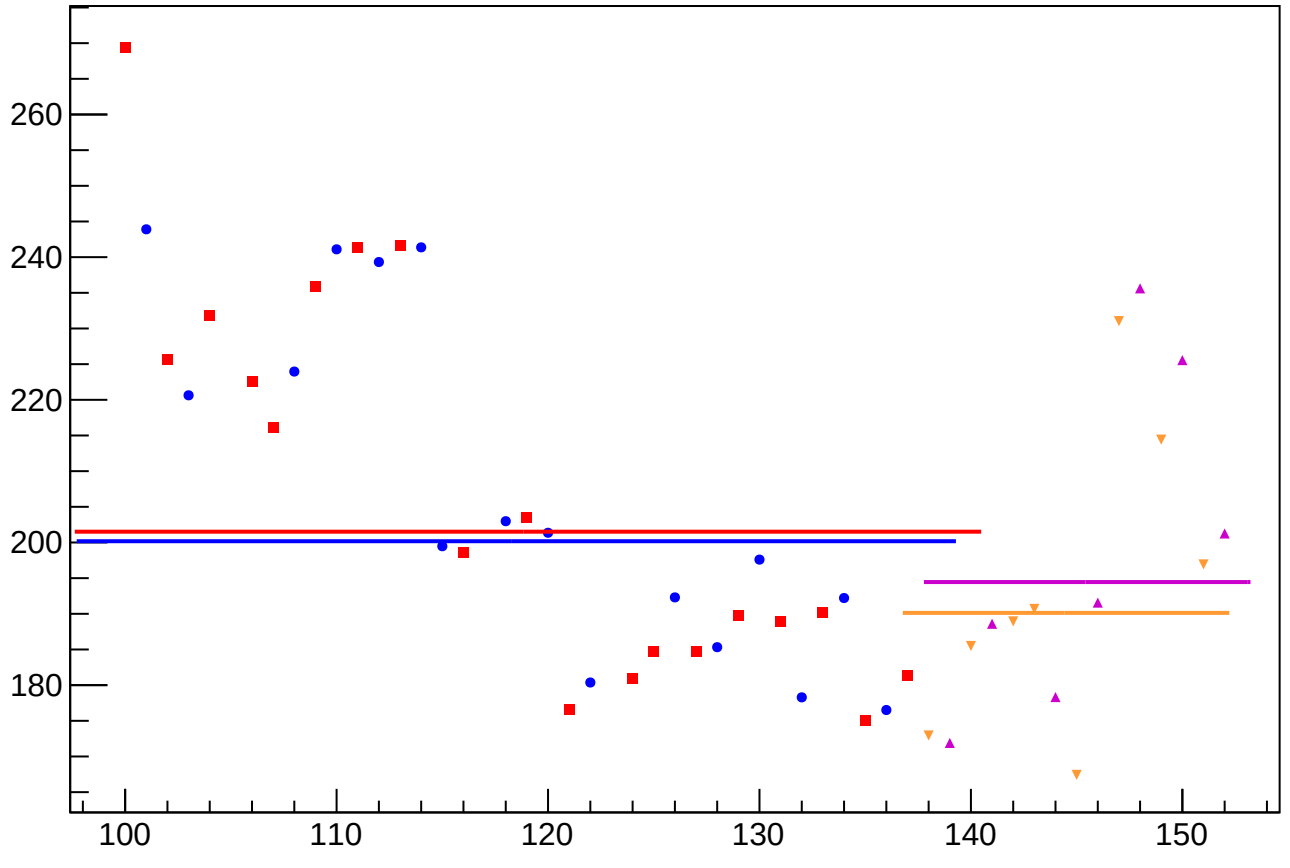
Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1840.827+/-0.369 χ^2/NDF:1744458.8/22

Out: 1817.364+/-0.364 χ^2/NDF:2258472.2/26

All: 1828.916+/-0.259 χ^2/NDF: 4004982.3/49


cor_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: 249.764+/-74.877 χ²/NDF: 13.8/15
Left Out: -173.249+/-76.774 χ²/NDF:12.3/7
Right Out: 122.210+/-74.380 χ²/NDF: 15.5/18
Left In: -236.777+/-79.011 χ²/NDF:6.1/6
Left: -204.101+/-55.061 χ²/NDF: 18.7/14
Right: 185.562+/-52.770 χ²/NDF: 30.7/34
In: 19.553+/-54.349 χ²/NDF:39.8/22
Out: -20.842+/-53.421 χ²/NDF:35.4/26
All: -0.992+/-38.098 χ²/NDF: 75.5/49



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: 194.452+/-0.056 χ^2/NDF:133251.4/6

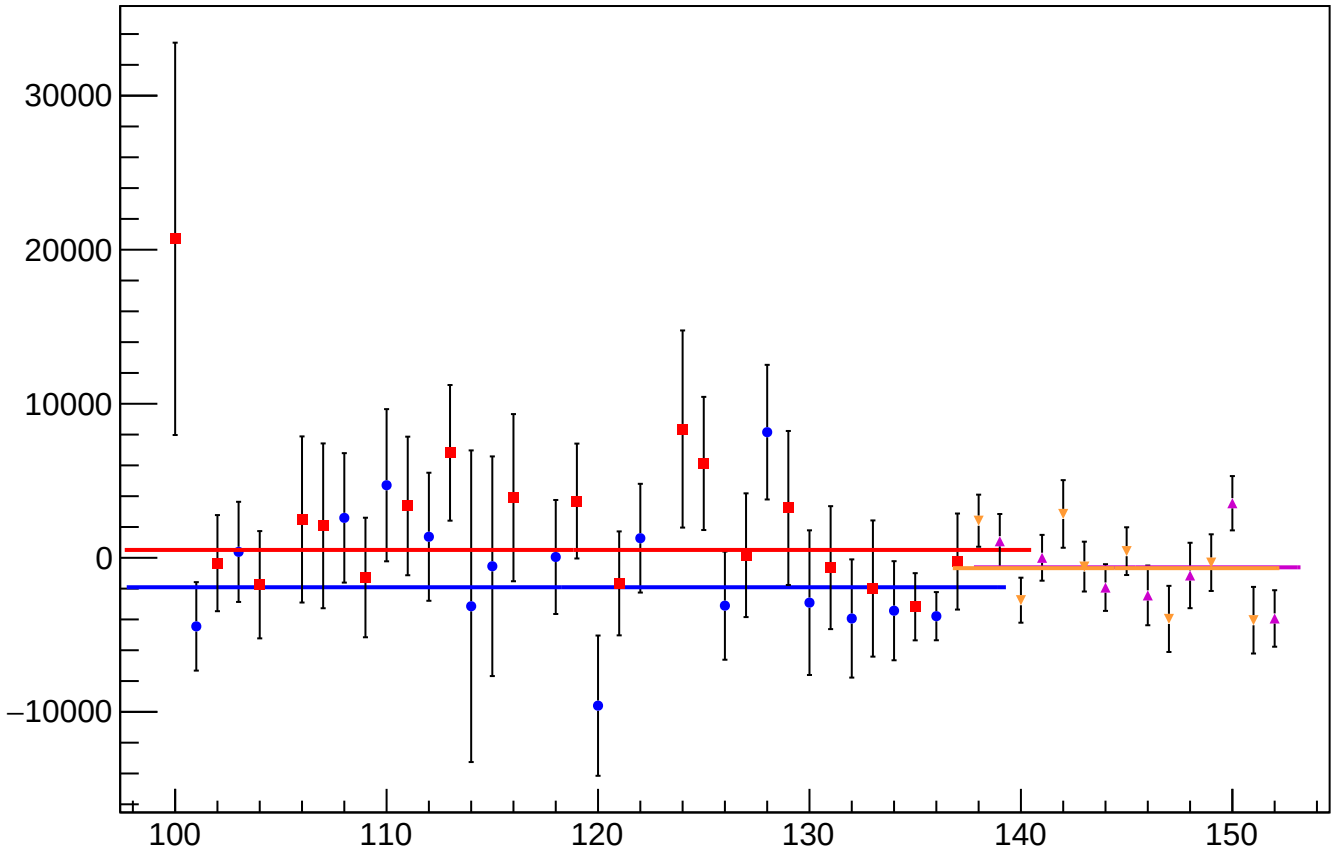
Left: 192.229+/-0.039 χ^2/NDF: 257859.4/14

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 197.468+/-0.038 χ^2/NDF:319784.6/22

Out: 196.003+/-0.038 χ^2/NDF:339644.4/26

All: 196.723+/-0.027 χ^2/NDF: 660168.8/49



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: -617.369+/-657.201 χ^2/NDF:11.6/6

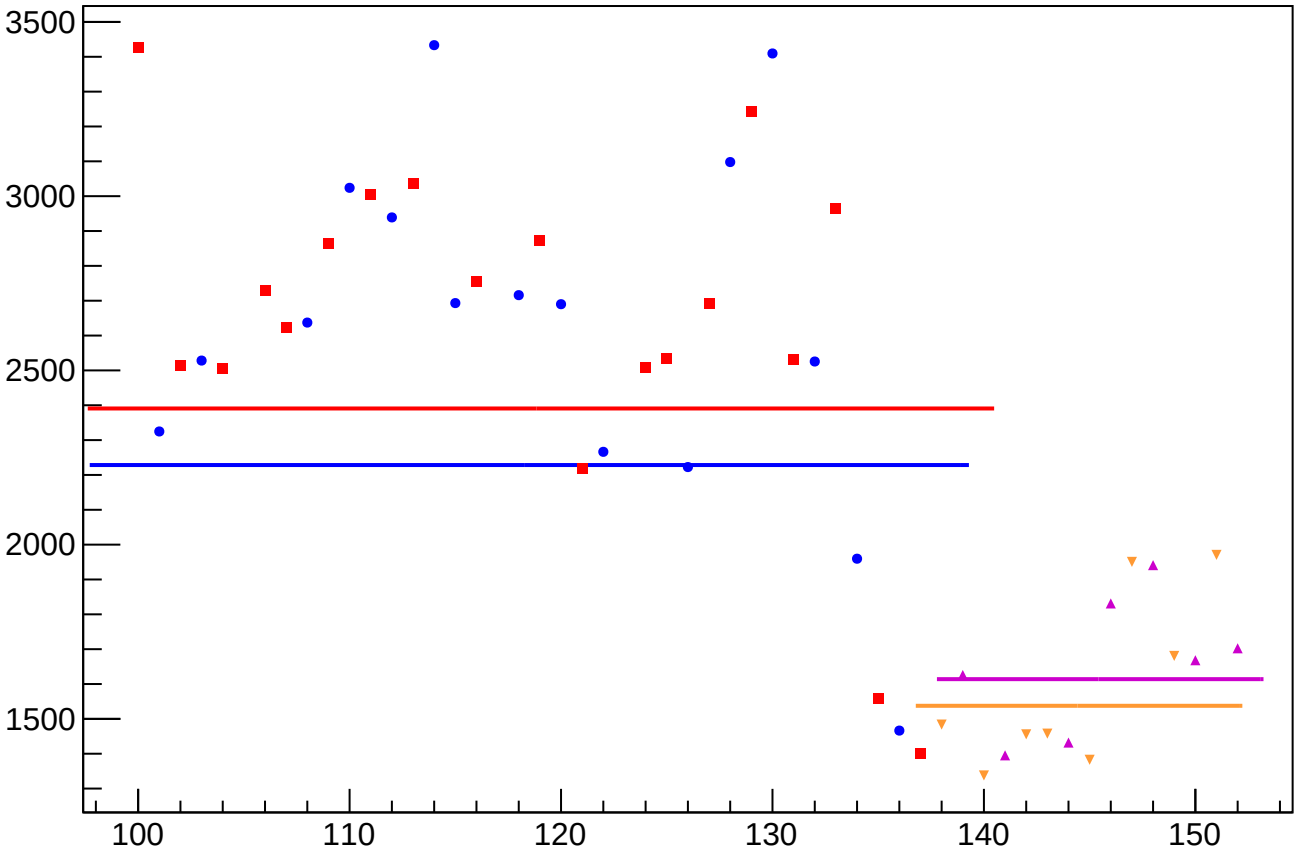
Left: -645.832+/-453.330 χ^2/NDF: 24.9/14

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1094.688+/-521.979 χ^2/NDF:29.3/22

Out: -287.011+/-514.361 χ^2/NDF:28.7/26

All: -684.912+/-366.372 χ^2/NDF: 59.2/49



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: 1613.992+/-0.465 χ^2/NDF:151413.4/6

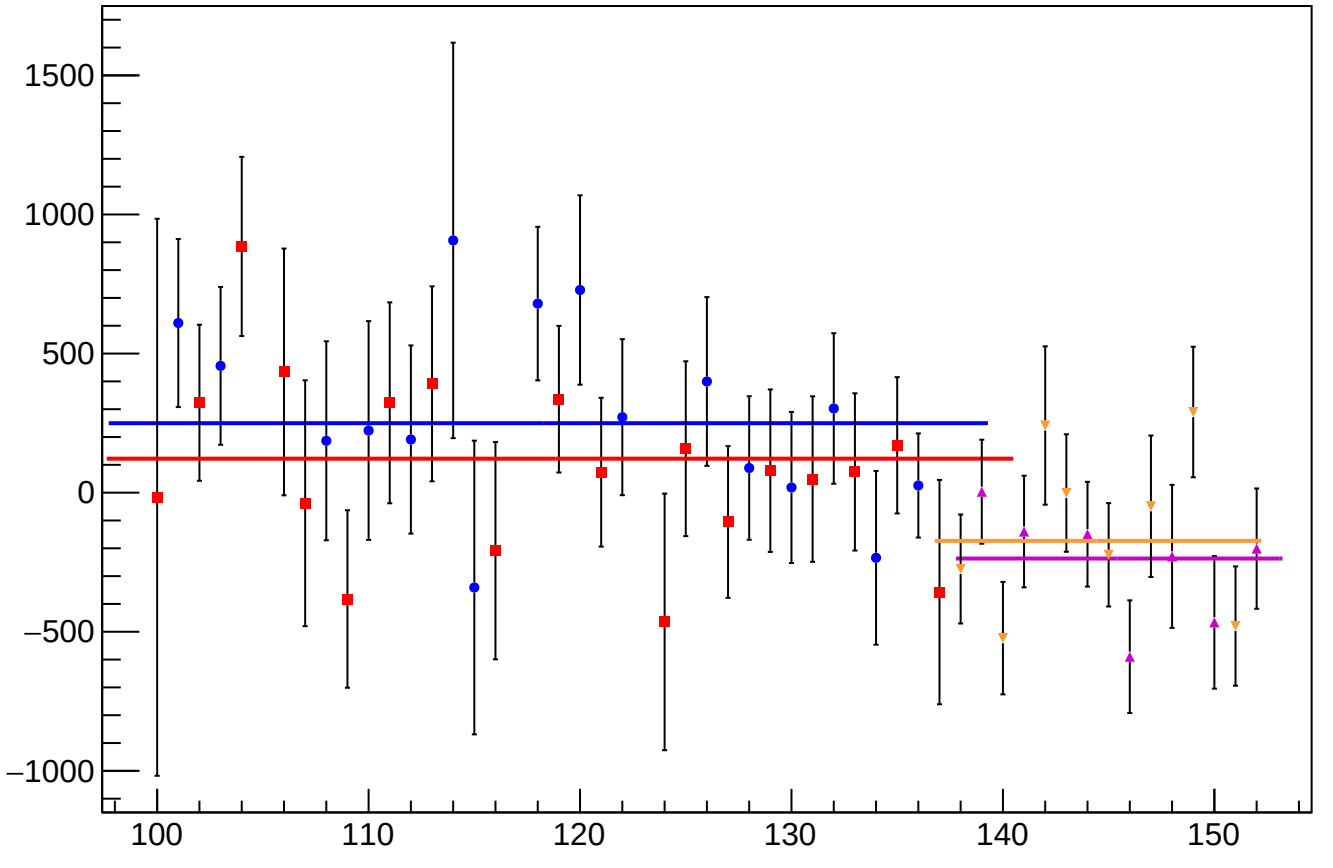
Left: 1573.917+/-0.321 χ^2/NDF: 399069.6/14

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1840.828+/-0.369 χ^2/NDF:1744468.7/22

Out: 1814.971+/-0.364 χ^2/NDF:2230984.2/26

All: 1827.709+/-0.259 χ^2/NDF: 3977942.8/49



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: -236.777+/-79.011 χ^2/NDF:6.1/6

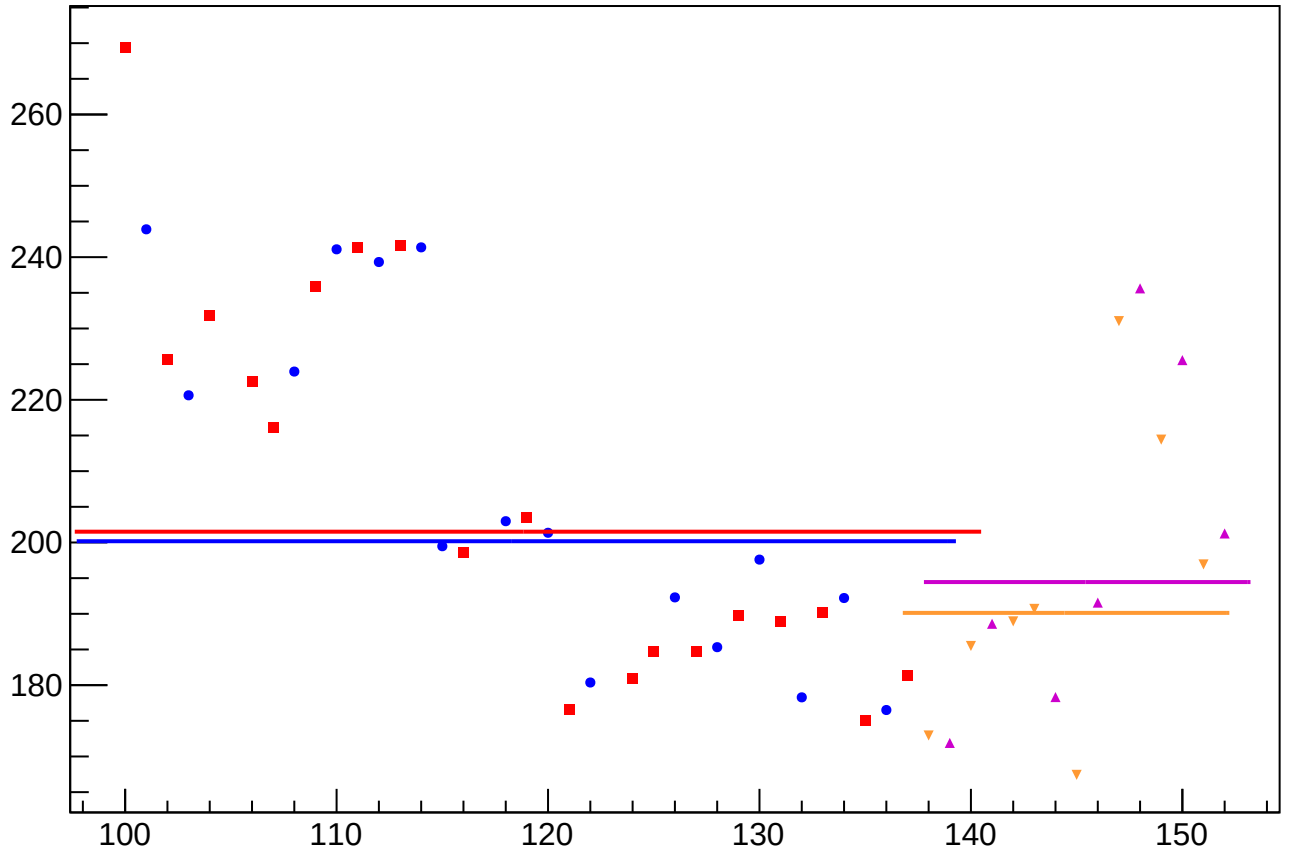
Left: -204.101+/-55.061 χ^2/NDF: 18.7/14

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 19.553+/-54.349 χ^2/NDF:39.8/22

Out: -20.842+/-53.421 χ^2/NDF:35.4/26

All: -0.992+/-38.098 χ^2/NDF: 75.5/49



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: 194.452+/-0.056 χ^2/NDF:133251.4/6

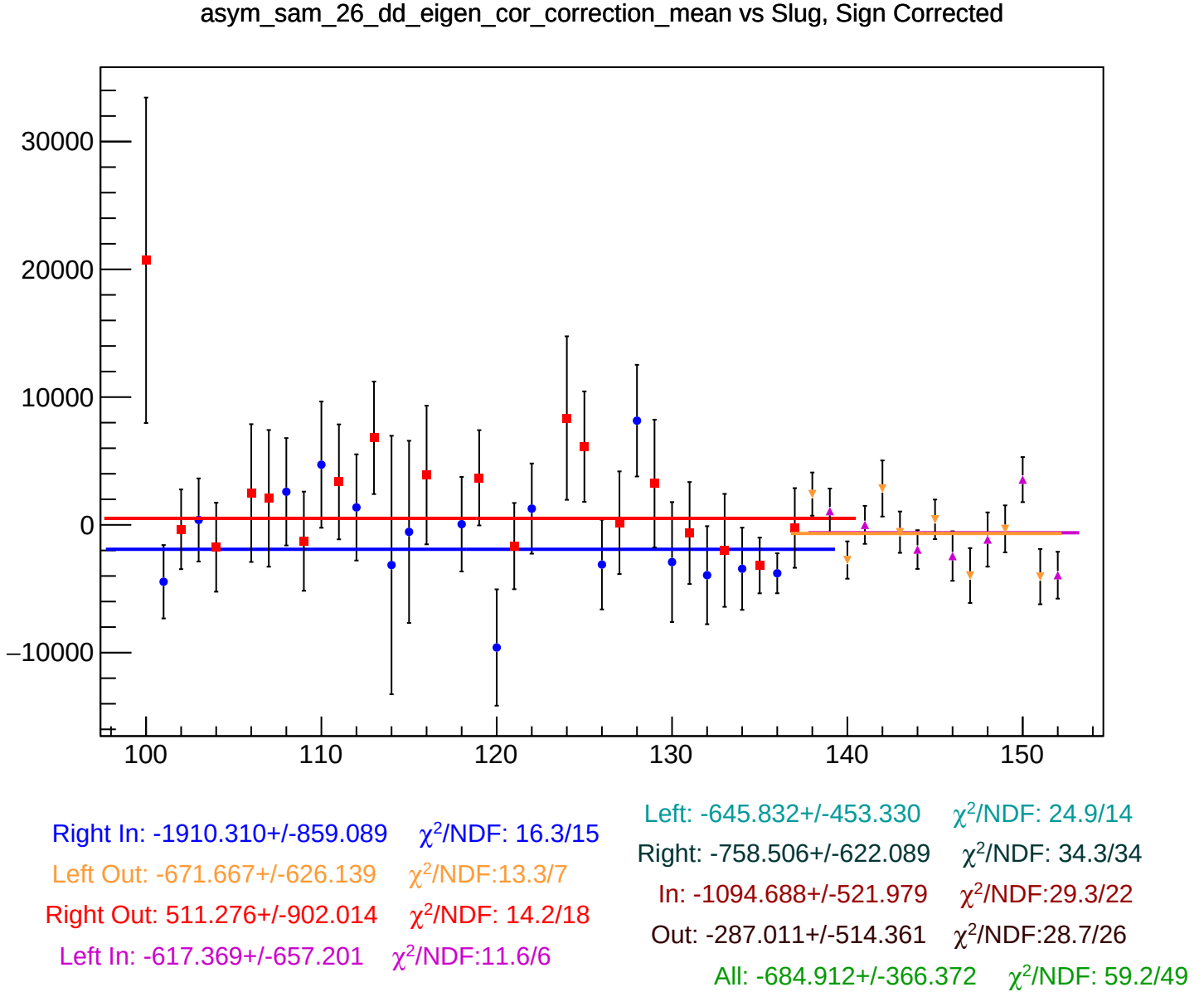
Left: 192.229+/-0.039 χ^2/NDF: 257859.4/14

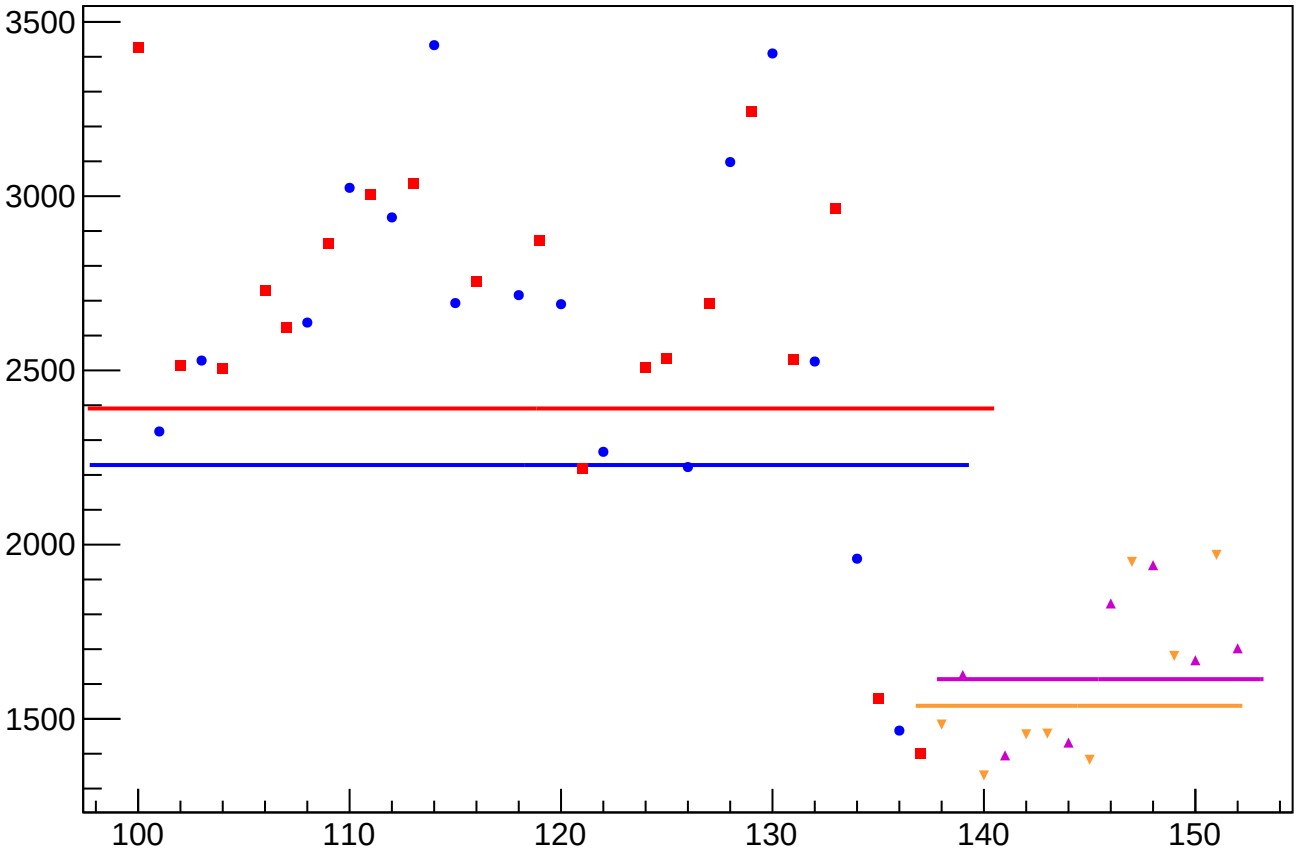
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 197.468+/-0.038 χ^2/NDF:319784.6/22

Out: 196.003+/-0.038 χ^2/NDF:339644.4/26

All: 196.723+/-0.027 χ^2/NDF: 660168.8/49


asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -671.667+/-626.139 χ²/NDF:13.3/7
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -617.369+/-657.201 χ²/NDF:11.6/6
Left: -645.832+/-453.330 χ²/NDF: 24.9/14
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -1094.688+/-521.979 χ²/NDF:29.3/22
Out: -287.011+/-514.361 χ²/NDF:28.7/26
All: -684.912+/-366.372 χ²/NDF: 59.2/49



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: 1613.992+/-0.465 χ^2/NDF:151413.4/6

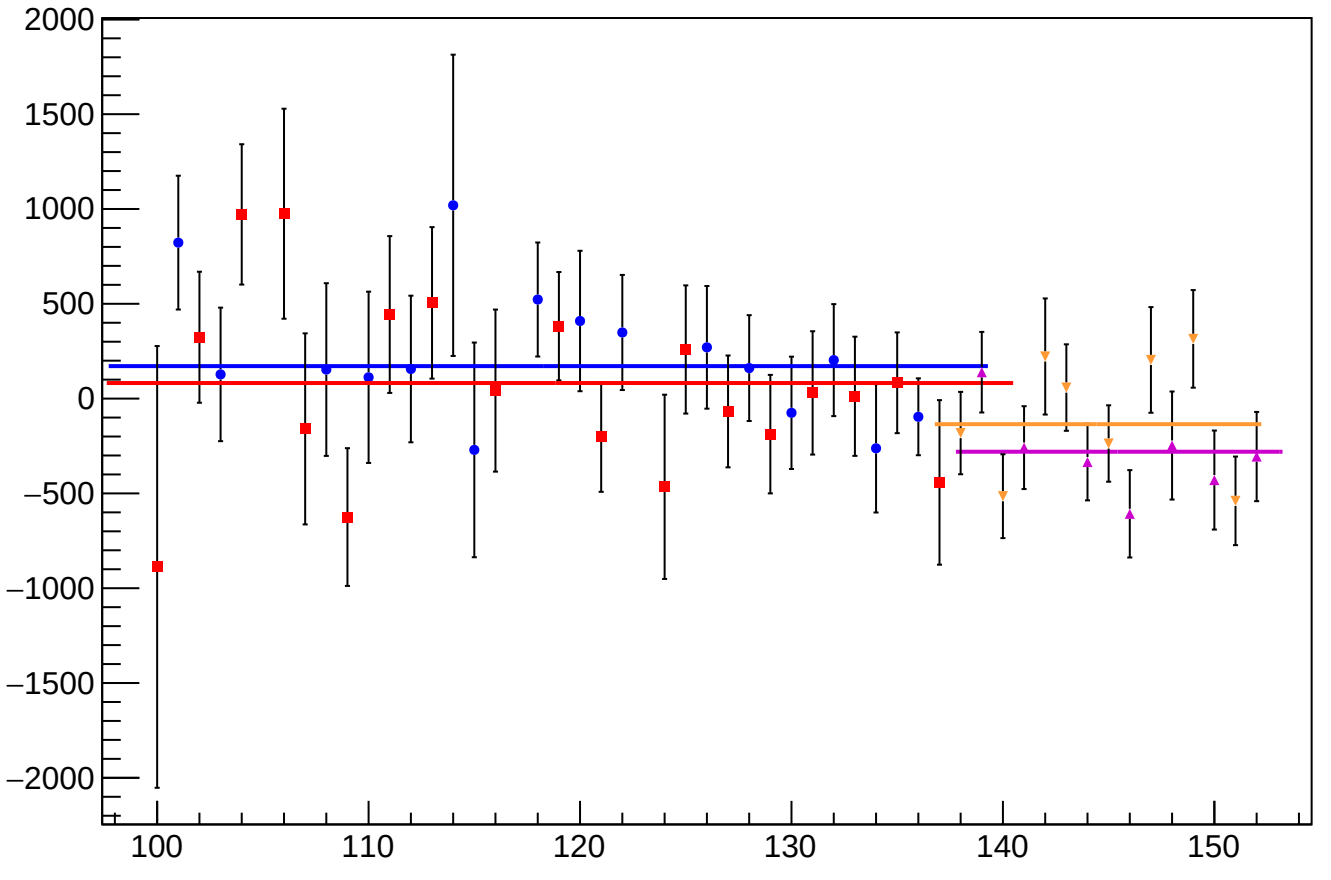
Left: 1573.917+/-0.321 χ^2/NDF: 399069.6/14

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1840.828+/-0.369 χ^2/NDF:1744468.7/22

Out: 1814.971+/-0.364 χ^2/NDF:2230984.2/26

All: 1827.709+/-0.259 χ^2/NDF: 3977942.8/49



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: -280.227+/-87.217 χ^2/NDF:6.4/6

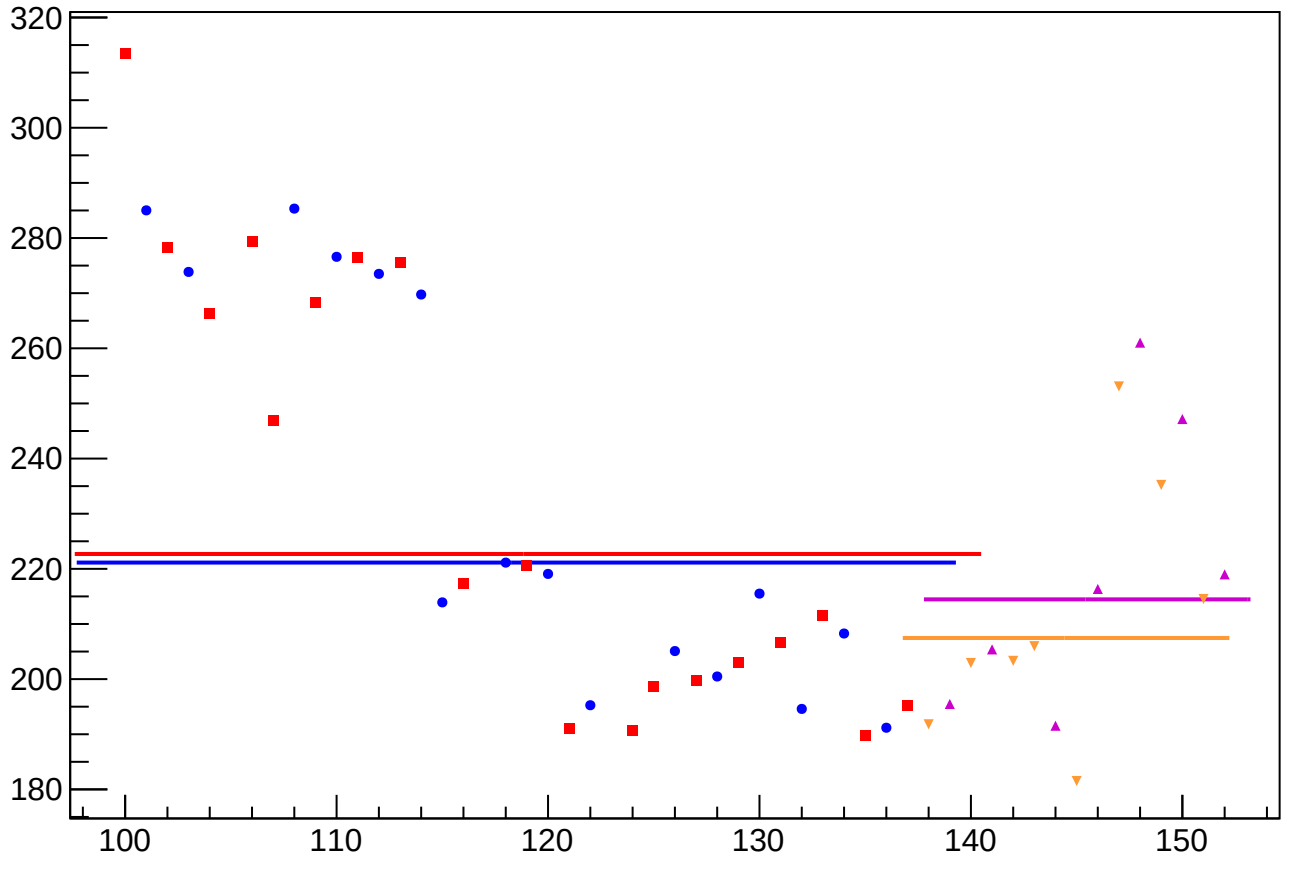
Left: -204.685+/-60.420 χ^2/NDF: 20.7/14

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -43.619+/-60.169 χ^2/NDF:31.9/22

Out: -24.803+/-58.800 χ^2/NDF:37.9/26

All: -33.995+/-42.054 χ^2/NDF: 69.8/49



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: 214.465+/-0.062 χ^2/NDF:130789.6/6

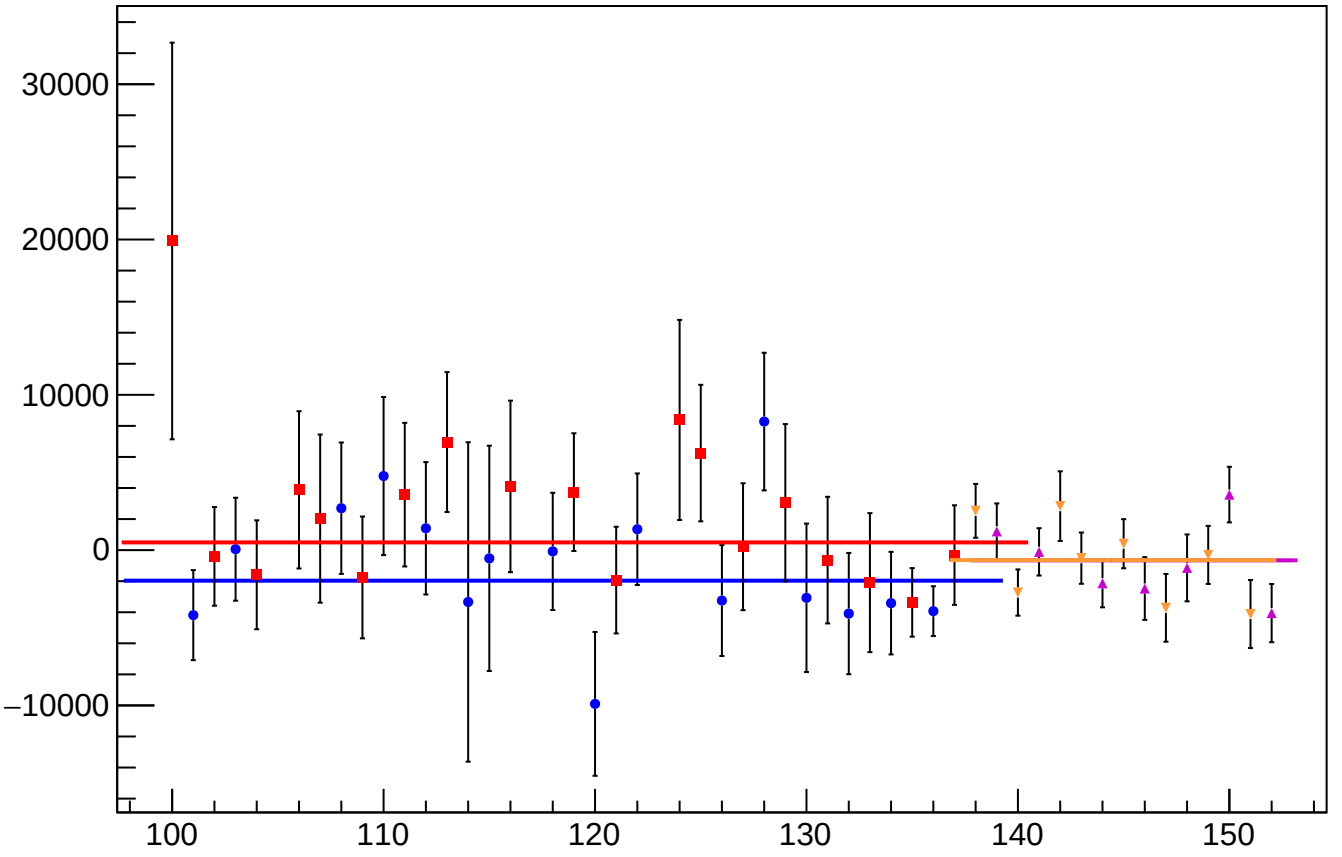
Left: 210.822+/-0.043 χ^2/NDF: 261058.4/14

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 217.963+/-0.043 χ^2/NDF:455628.5/22

Out: 215.192+/-0.042 χ^2/NDF:484159.2/26

All: 216.545+/-0.030 χ^2/NDF: 941957.3/49



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: -657.731+/-672.333 χ^2/NDF:11.8/6

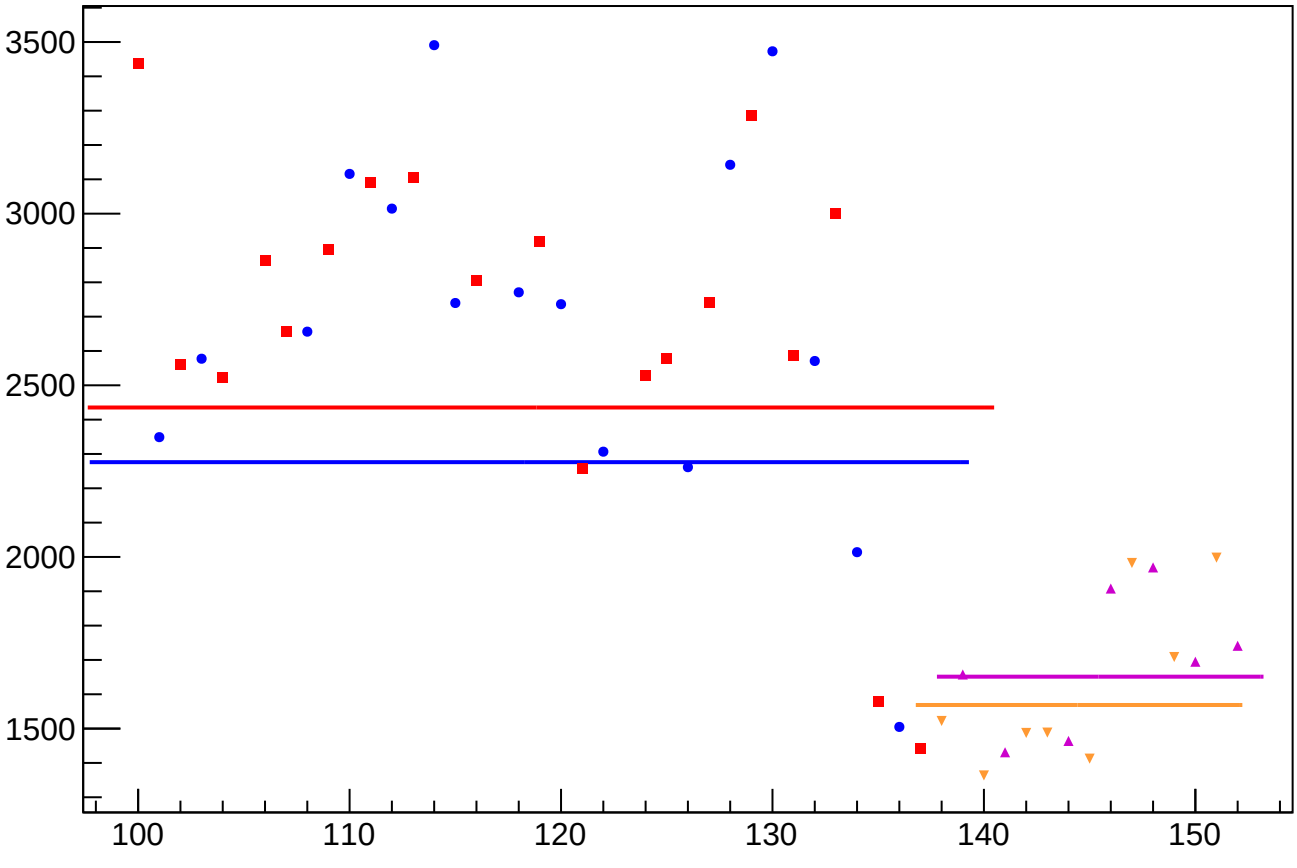
Left: -650.142+/-462.950 χ^2/NDF: 24.5/14

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -1142.803+/-533.490 χ^2/NDF:29.4/22

Out: -269.724+/-523.519 χ^2/NDF:28.5/26

All: -698.029+/-373.659 χ^2/NDF: 59.3/49



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: 1651.263+/-0.475 χ^2/NDF:152759.6/6

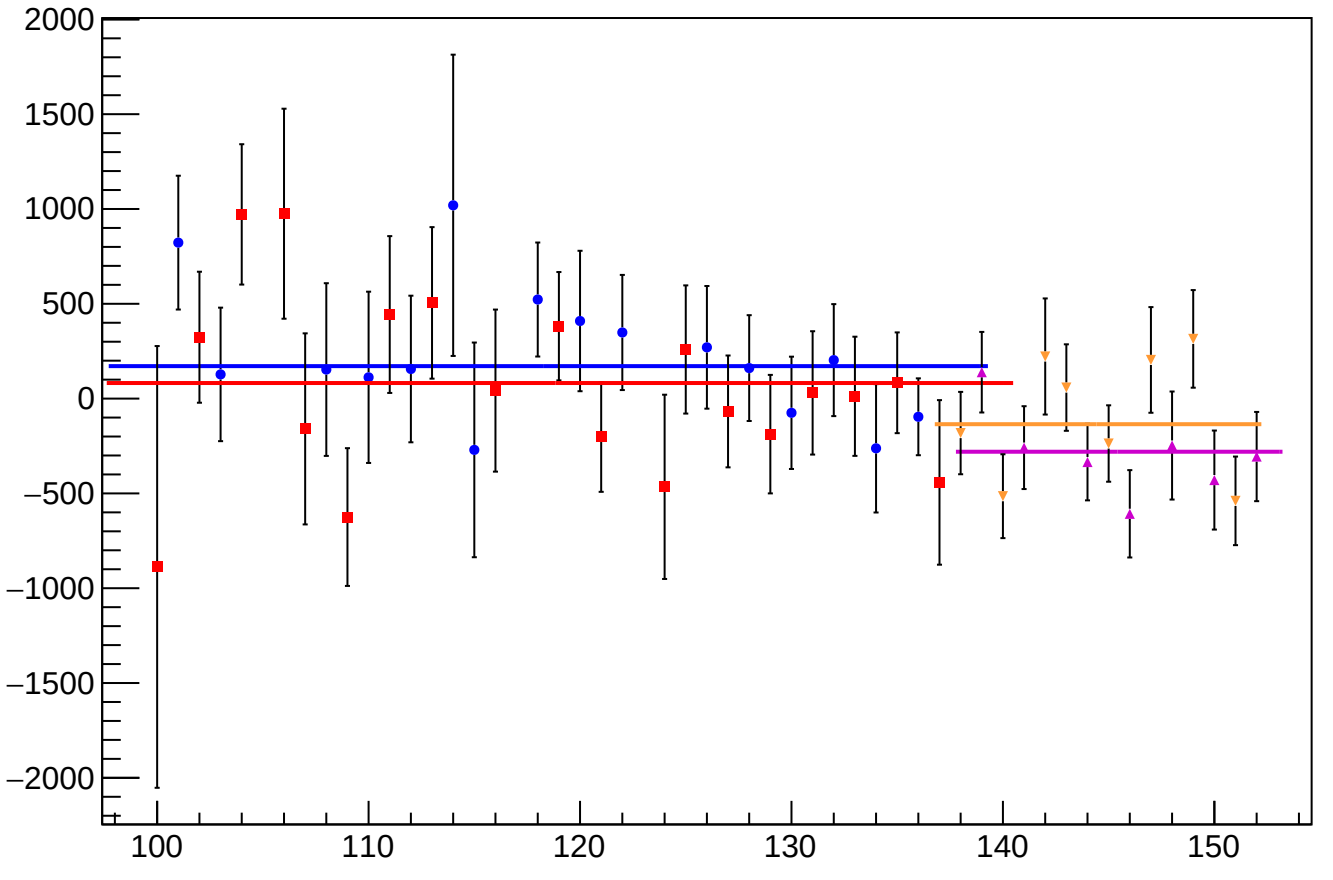
Left: 1607.880+/-0.327 χ^2/NDF: 394756.9/14

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1882.699+/-0.377 χ^2/NDF:1719598.0/22

Out: 1852.600+/-0.370 χ^2/NDF:2224700.0/26

All: 1867.365+/-0.264 χ^2/NDF: 3947541.1/49



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: -280.228+/-87.217 χ^2/NDF:6.4/6

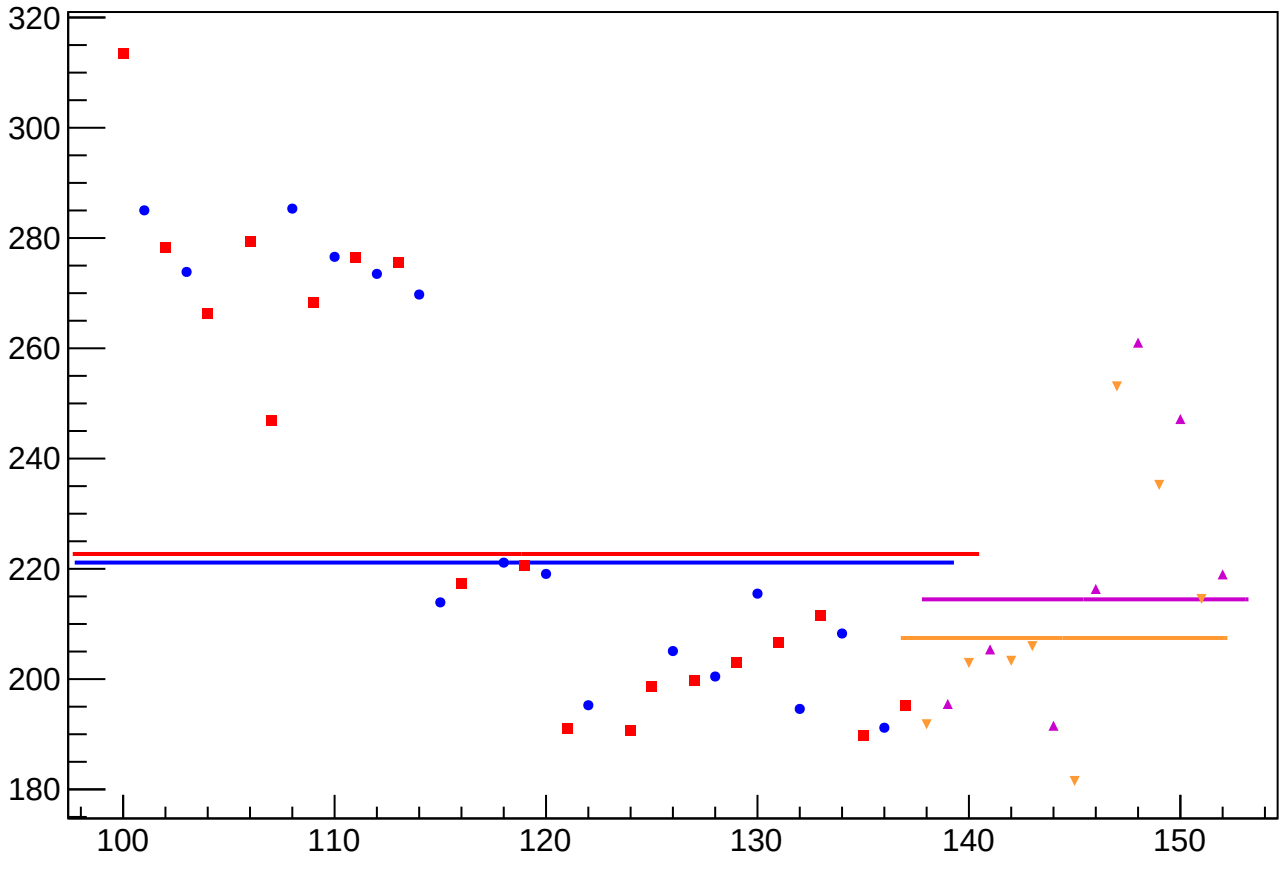
Left: -204.687+/-60.420 χ^2/NDF: 20.7/14

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -43.618+/-60.169 χ^2/NDF:31.9/22

Out: -24.805+/-58.800 χ^2/NDF:37.9/26

All: -33.995+/-42.053 χ^2/NDF: 69.8/49



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: 214.465+/-0.062 χ^2/NDF:130791.2/6

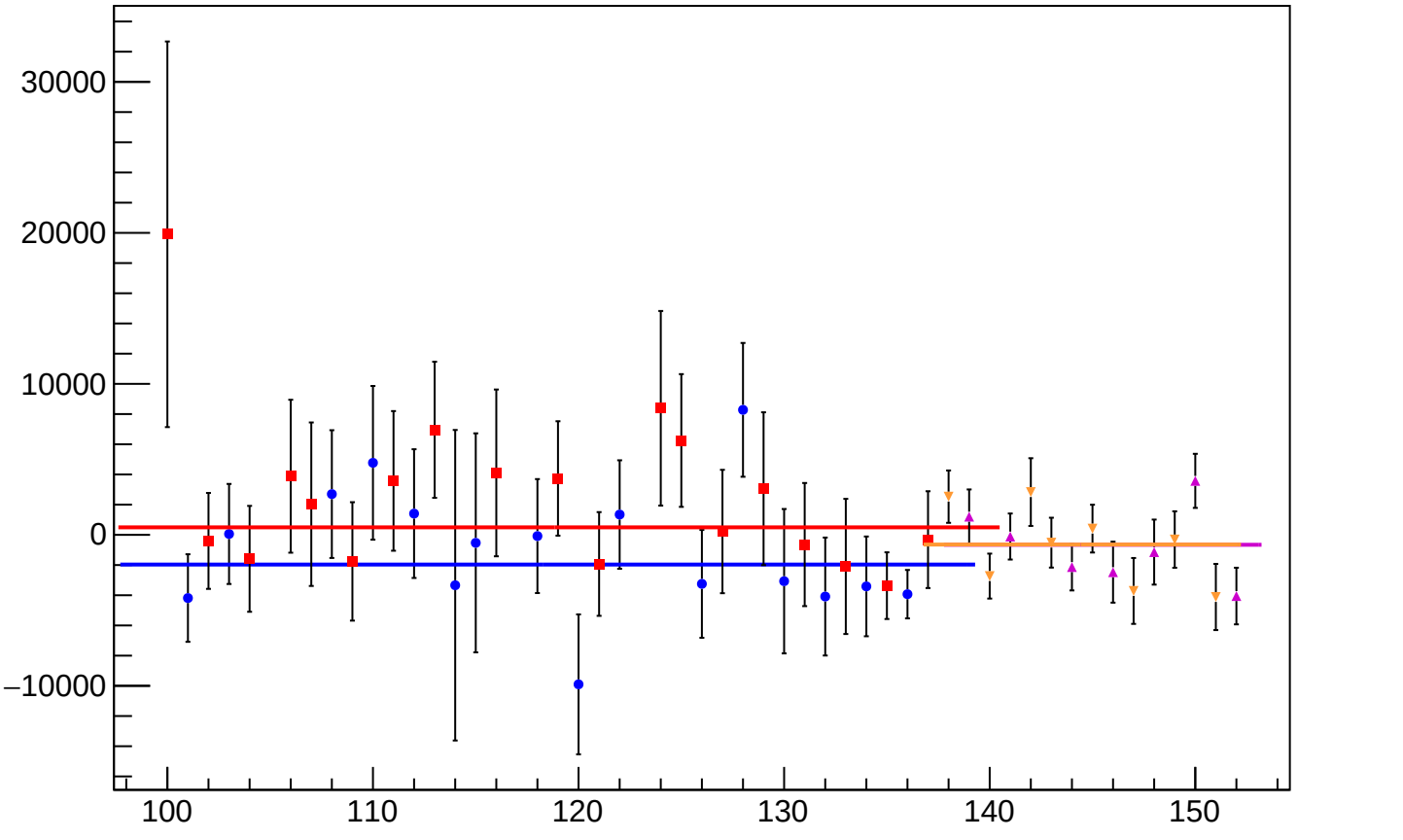
Left: 210.822+/-0.043 χ^2/NDF: 261063.0/14

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 217.962+/-0.043 χ^2/NDF:455623.2/22

Out: 215.191+/-0.042 χ^2/NDF:484152.2/26

All: 216.545+/-0.030 χ^2/NDF: 941944.9/49



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: -657.729+/-672.333 χ^2/NDF:11.8/6

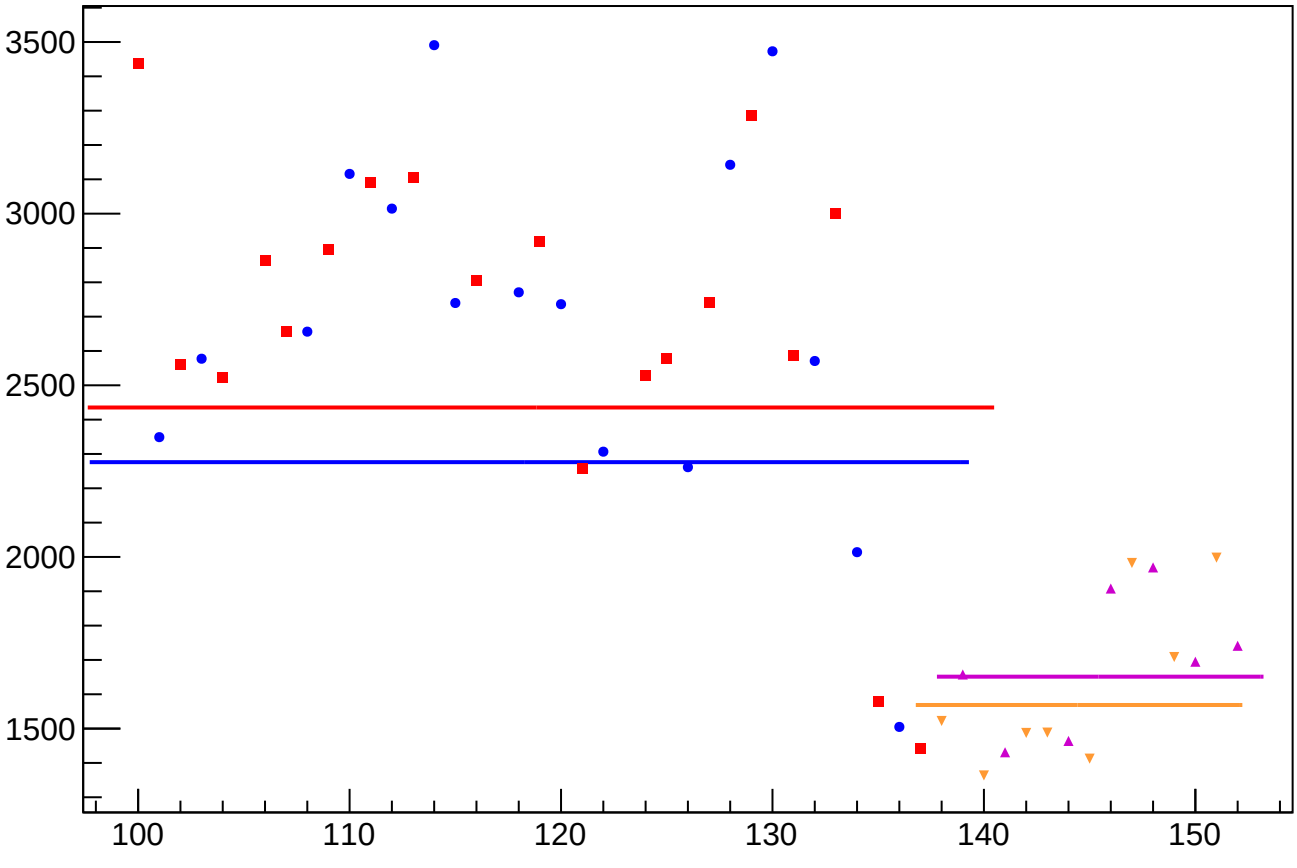
Left: -650.142+/-462.950 χ^2/NDF: 24.5/14

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -1142.800+/-533.489 χ^2/NDF:29.4/22

Out: -269.724+/-523.519 χ^2/NDF:28.5/26

All: -698.027+/-373.659 χ^2/NDF: 59.3/49



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: 1651.262+/-0.475 χ^2/NDF:152759.4/6

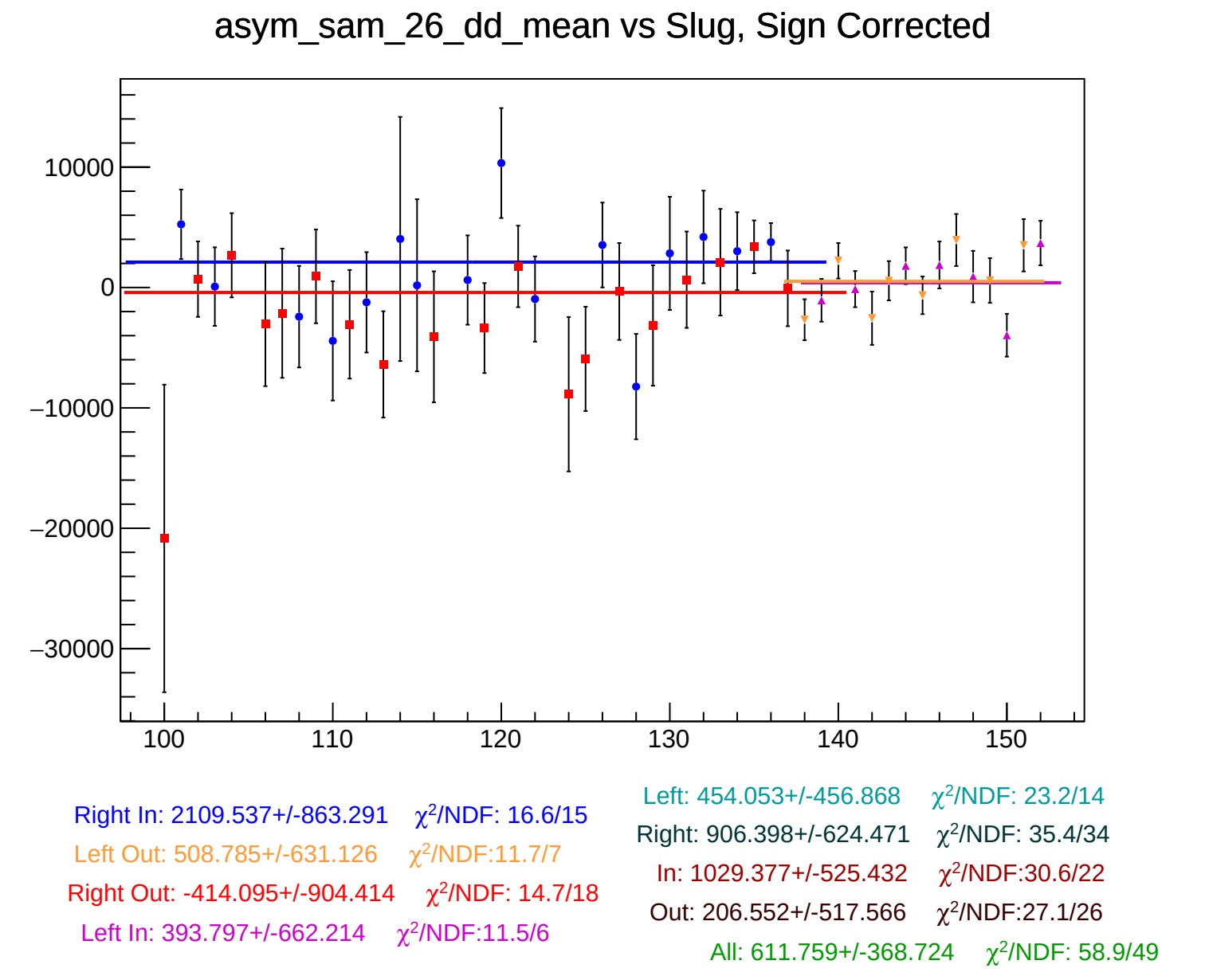
Left: 1607.879+/-0.327 χ^2/NDF: 394758.3/14

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

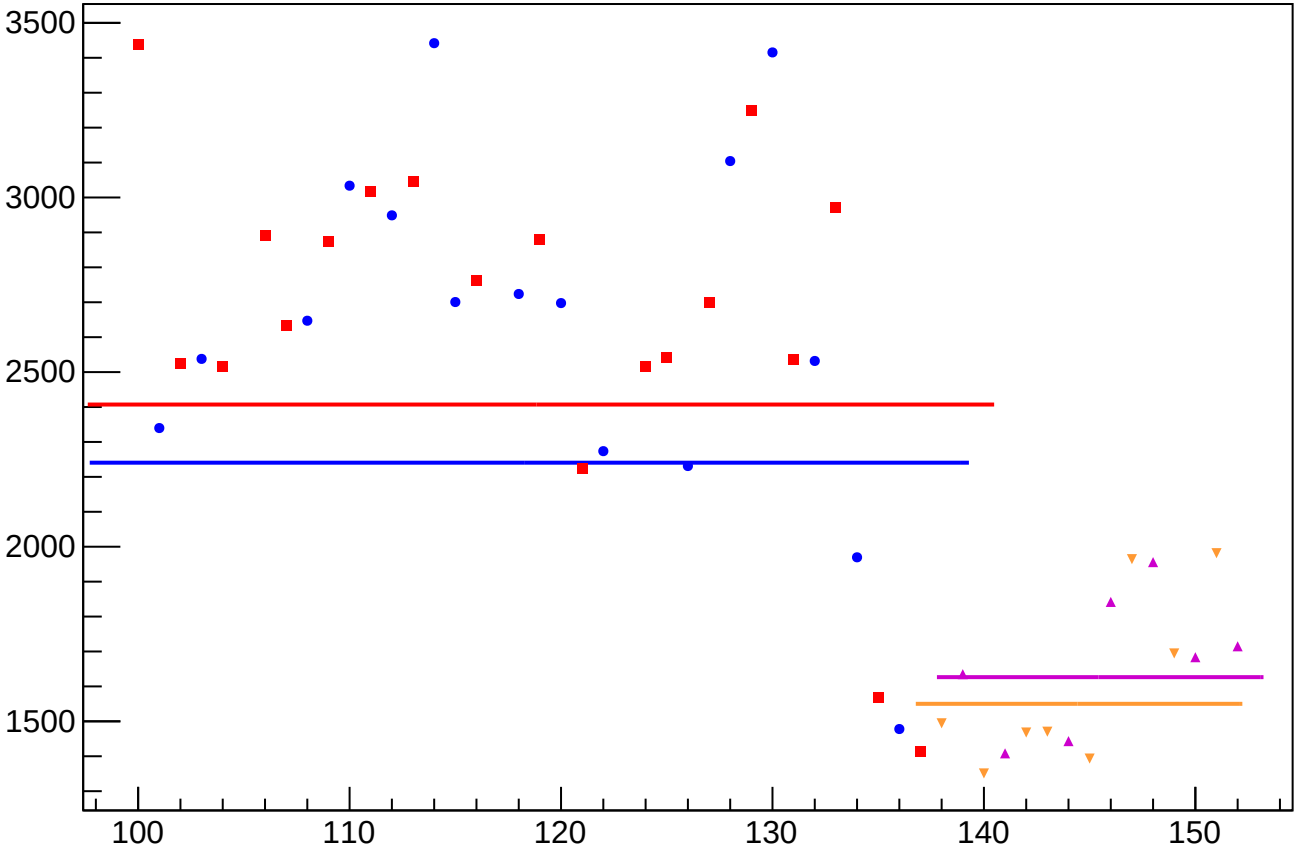
In: 1882.697+/-0.377 χ^2/NDF:1719585.6/22

Out: 1852.598+/-0.370 χ^2/NDF:2224692.6/26

All: 1867.364+/-0.264 χ^2/NDF: 3947521.5/49


asym_sam_26_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 2109.537+/-863.291 χ²/NDF: 16.6/15
Left Out: 508.785+/-631.126 χ²/NDF:11.7/7
Right Out: -414.095+/-904.414 χ²/NDF: 14.7/18
Left In: 393.797+/-662.214 χ²/NDF:11.5/6
Left: 454.053+/-456.868 χ²/NDF: 23.2/14
Right: 906.398+/-624.471 χ²/NDF: 35.4/34
In: 1029.377+/-525.432 χ²/NDF:30.6/22
Out: 206.552+/-517.566 χ²/NDF:27.1/26
All: 611.759+/-368.724 χ²/NDF: 58.9/49

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: 1626.526+/-0.468 χ^2/NDF:149602.0/6

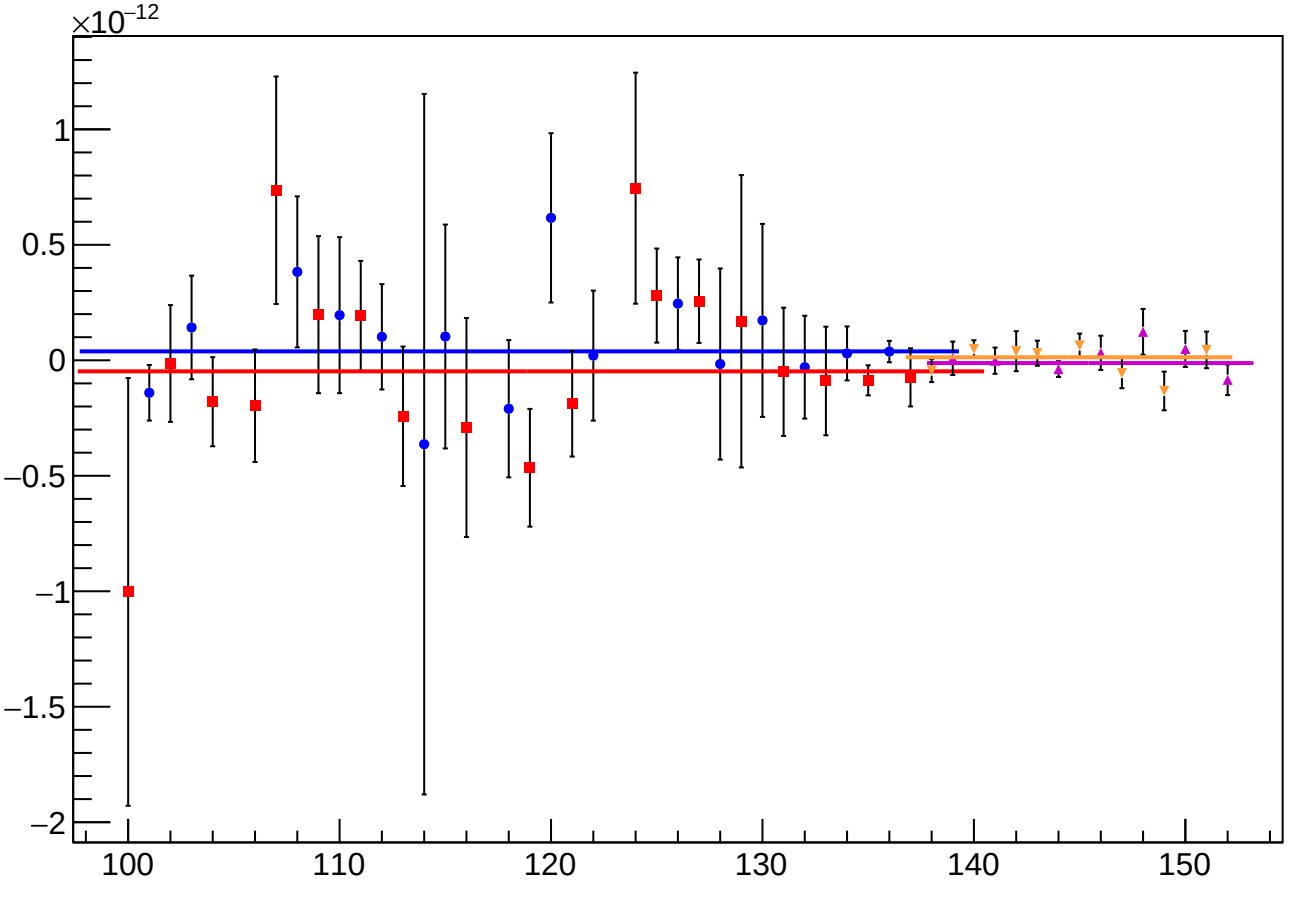
Left: 1586.496+/-0.323 χ^2/NDF: 394181.5/14

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1854.014+/-0.372 χ^2/NDF:1720326.2/22

Out: 1830.790+/-0.366 χ^2/NDF:2227269.3/26

All: 1842.227+/-0.261 χ^2/NDF: 3949578.6/49



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:4.7/6

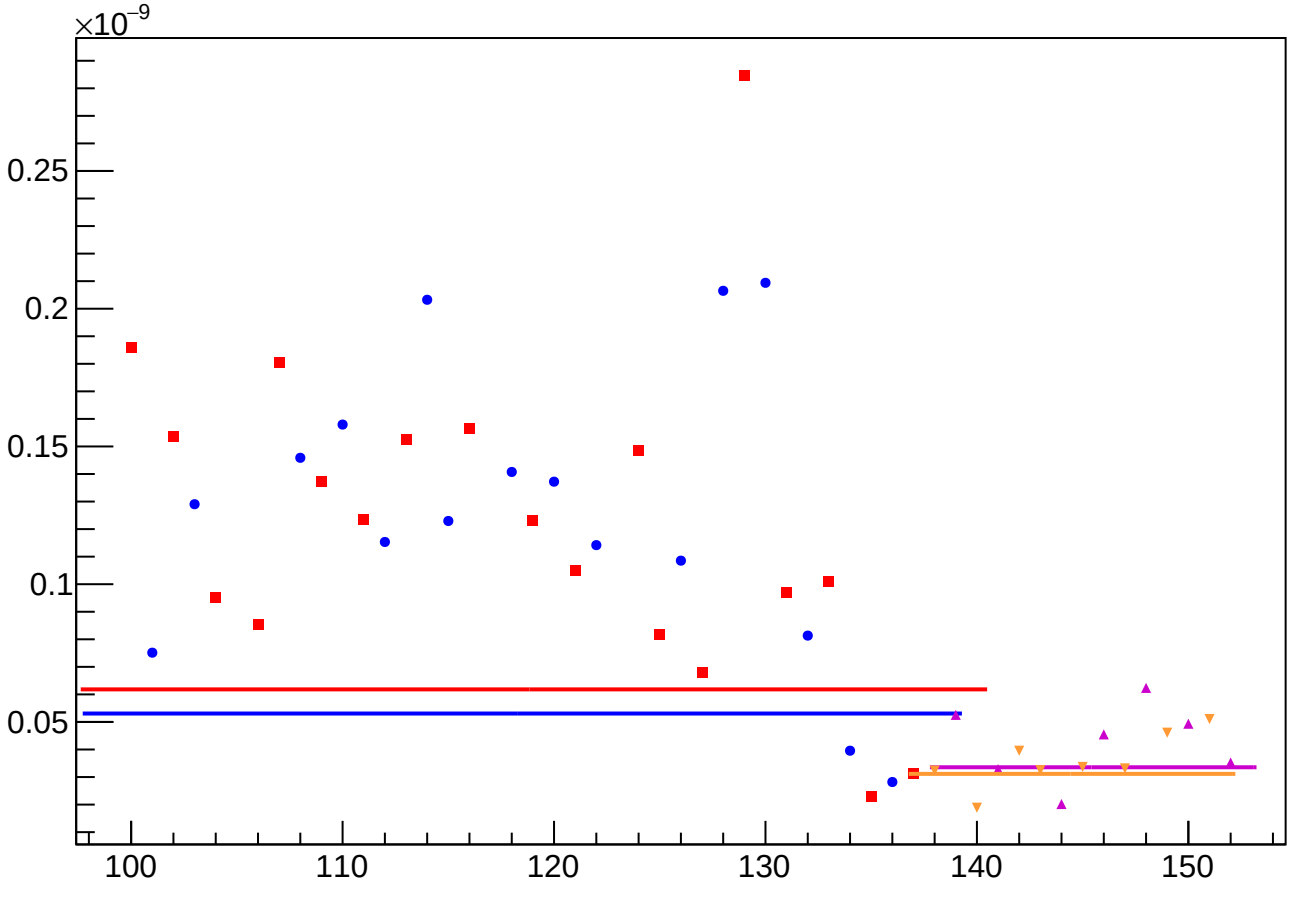
Left: 0.000+/-0.000 χ^2/NDF: 13.1/14

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:14.6/22

Out: 0.000+/-0.000 χ^2/NDF:27.6/26

All: 0.000+/-0.000 χ^2/NDF: 42.1/49



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:750679.7/6

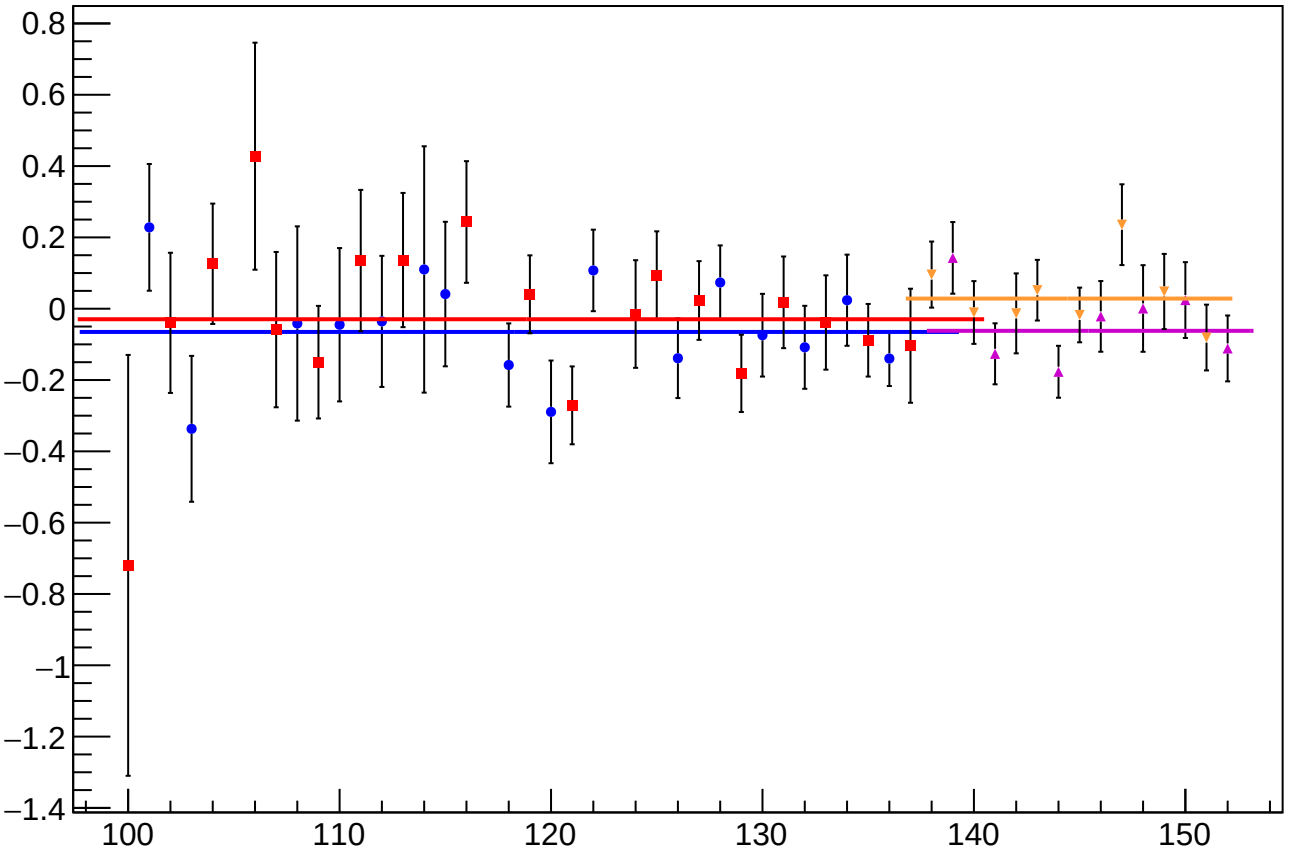
Left: 0.000+/-0.000 χ^2/NDF: 1196059.3/14

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:3747238.8/22

Out: 0.000+/-0.000 χ^2/NDF:3673767.4/26

All: 0.000+/-0.000 χ^2/NDF: 7436089.2/49



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: -0.062+/-0.035 χ^2/NDF:8.6/6

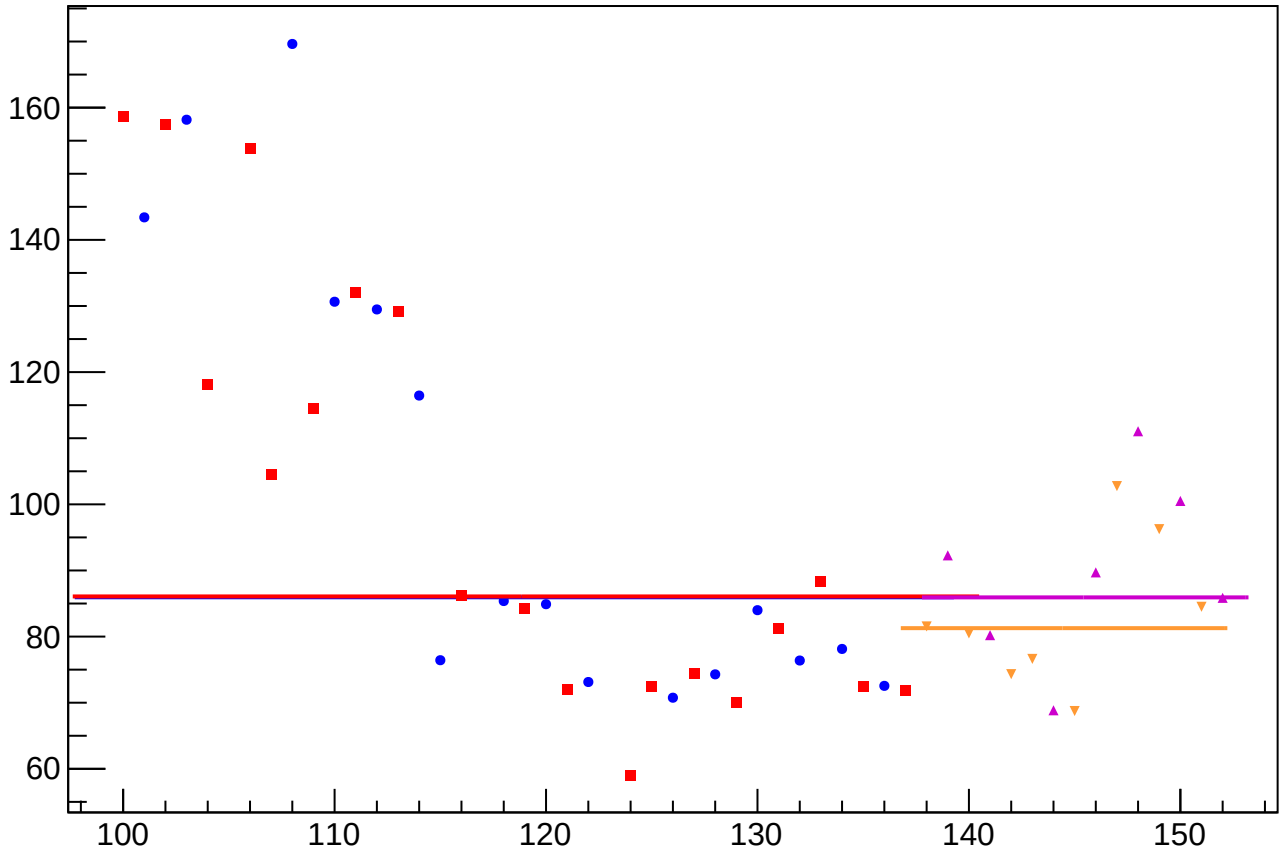
Left: -0.014+/-0.024 χ^2/NDF: 18.2/14

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.064+/-0.024 χ^2/NDF:22.8/22

Out: -0.001+/-0.023 χ^2/NDF:25.7/26

All: -0.031+/-0.017 χ^2/NDF: 52.0/49



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: 85.929+/-0.025 χ^2/NDF:253036.2/6

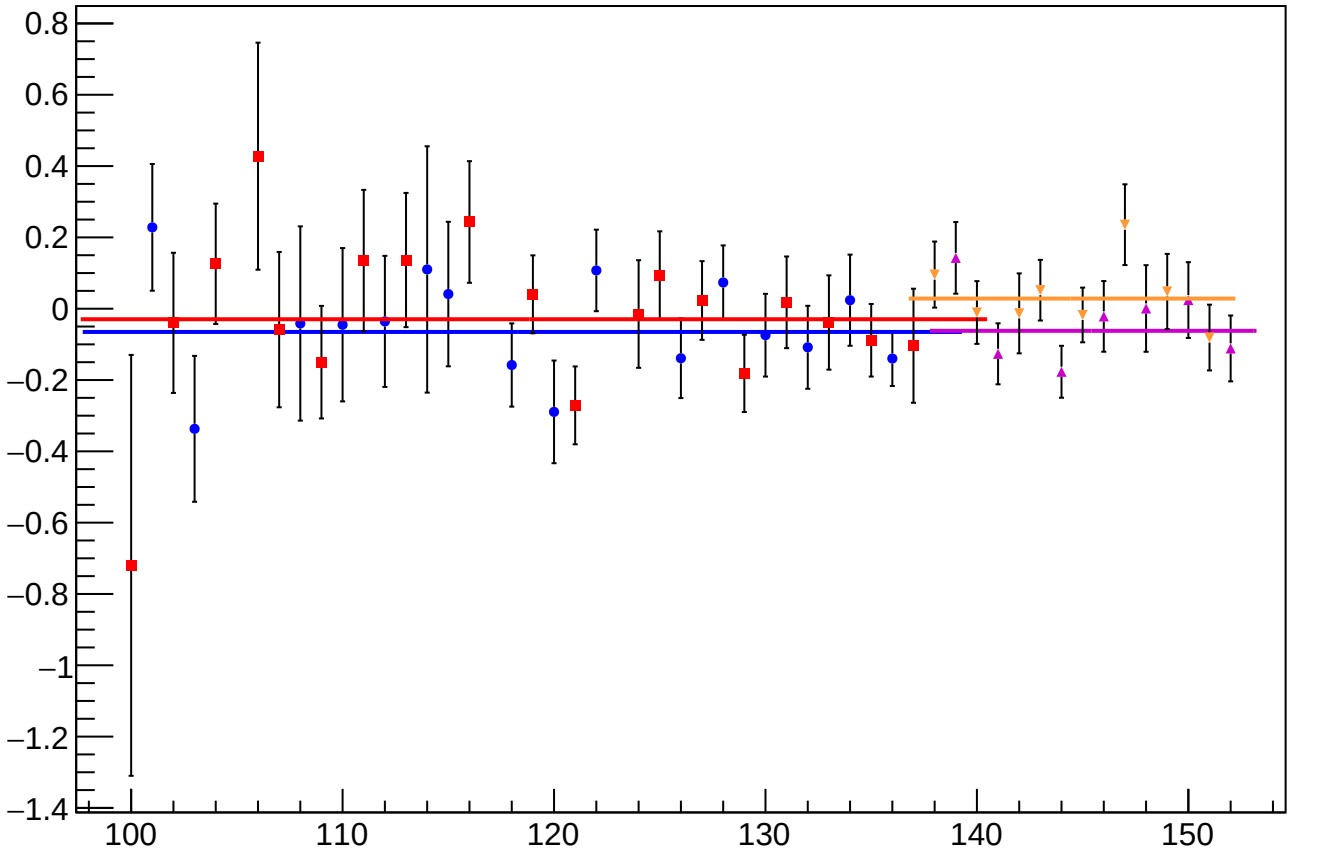
Left: 83.441+/-0.017 χ^2/NDF: 453591.3/14

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.938+/-0.017 χ^2/NDF:1288041.0/22

Out: 83.676+/-0.016 χ^2/NDF:1194576.8/26

All: 84.763+/-0.012 χ^2/NDF: 2491655.9/49



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: -0.062+/-0.035 χ^2/NDF:8.6/6

Left: -0.014+/-0.024 χ^2/NDF: 18.2/14

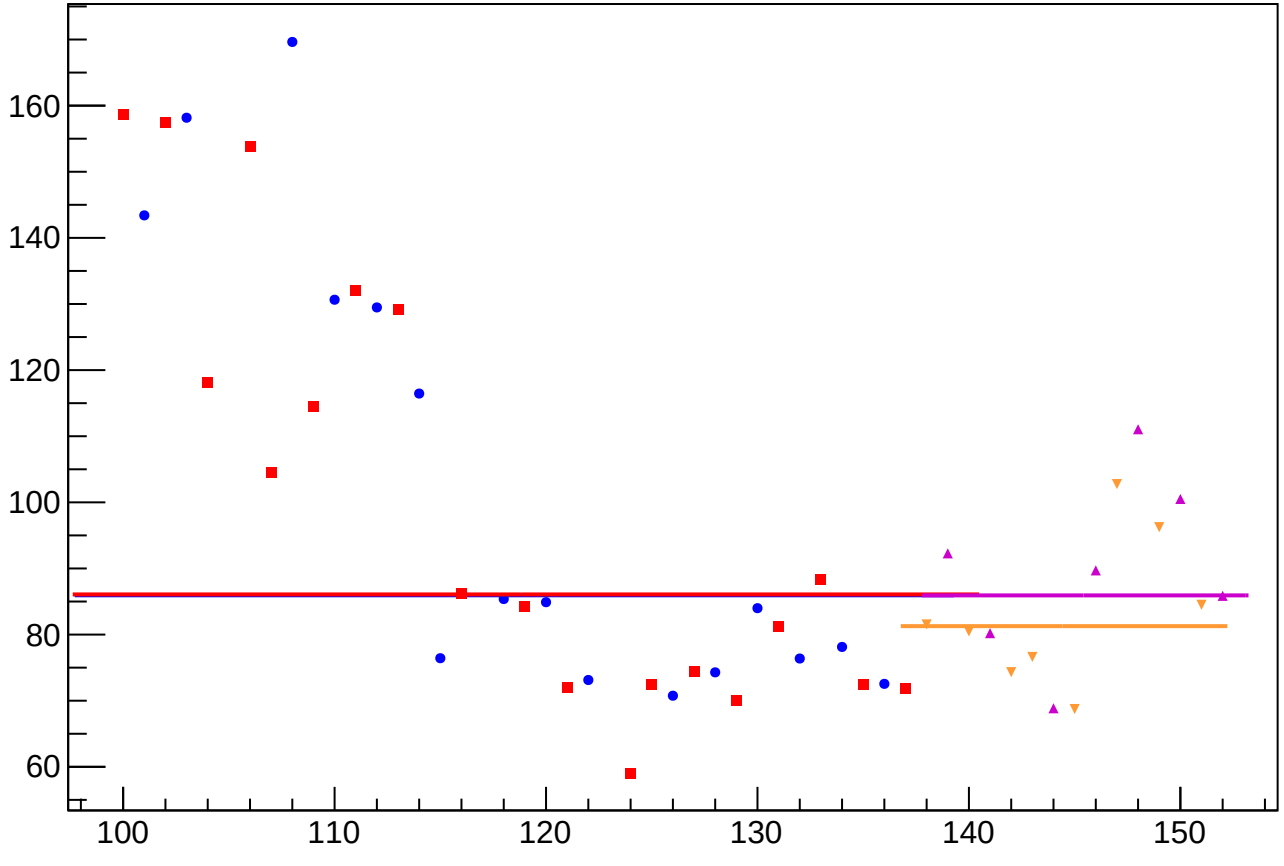
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.064+/-0.024 χ^2/NDF:22.8/22

Out: -0.001+/-0.023 χ^2/NDF:25.7/26

All: -0.031+/-0.017 χ^2/NDF: 52.0/49

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: 85.929+/-0.025 χ^2/NDF:253036.2/6

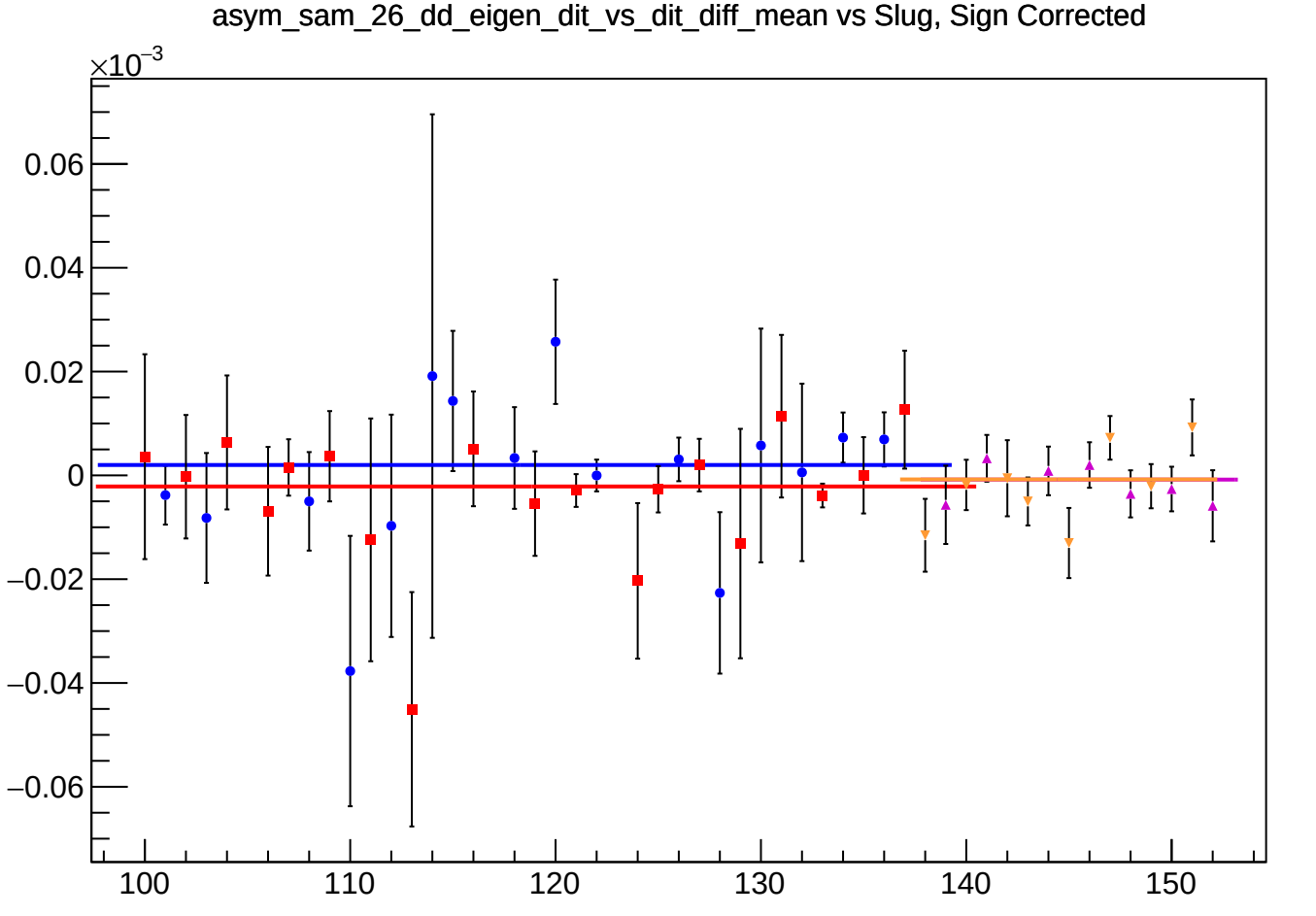
Left: 83.441+/-0.017 χ^2/NDF: 453591.3/14

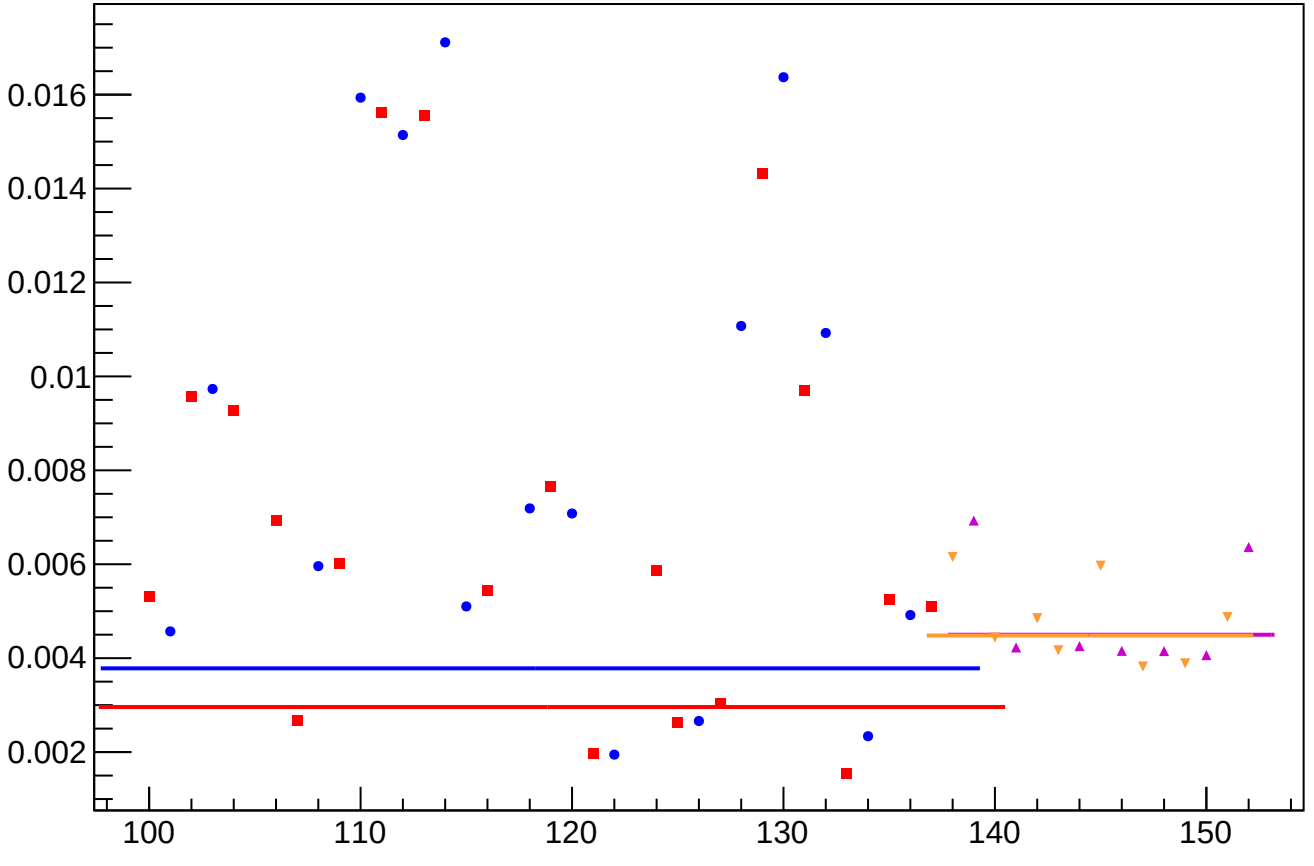
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.938+/-0.017 χ^2/NDF:1288041.0/22

Out: 83.676+/-0.016 χ^2/NDF:1194576.8/26

All: 84.763+/-0.012 χ^2/NDF: 2491655.9/49


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: -0.000+/-0.000 χ²/NDF:13.7/7
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:2.9/6
Left: -0.000+/-0.000 χ²/NDF: 16.6/14
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:19.0/22
Out: -0.000+/-0.000 χ²/NDF:25.6/26
All: -0.000+/-0.000 χ²/NDF: 46.4/49



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:412922.1/6

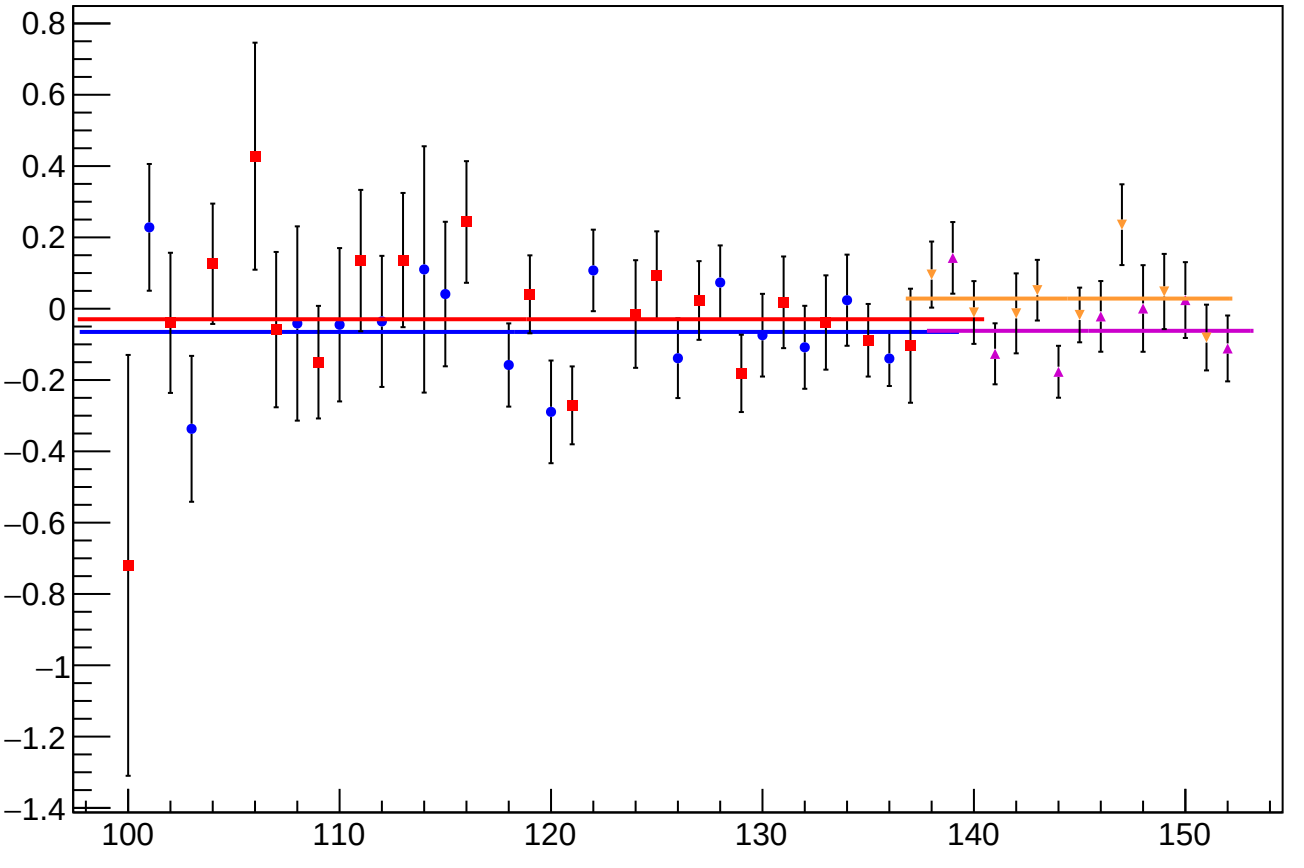
Left: 0.004+/-0.000 χ^2/NDF: 736763.8/14

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:5264257.8/22

Out: 0.004+/-0.000 χ^2/NDF:6741323.7/26

All: 0.004+/-0.000 χ^2/NDF: 12255301.1/49



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: -0.062+/-0.035 χ^2/NDF:8.6/6

Left: -0.014+/-0.024 χ^2/NDF: 18.2/14

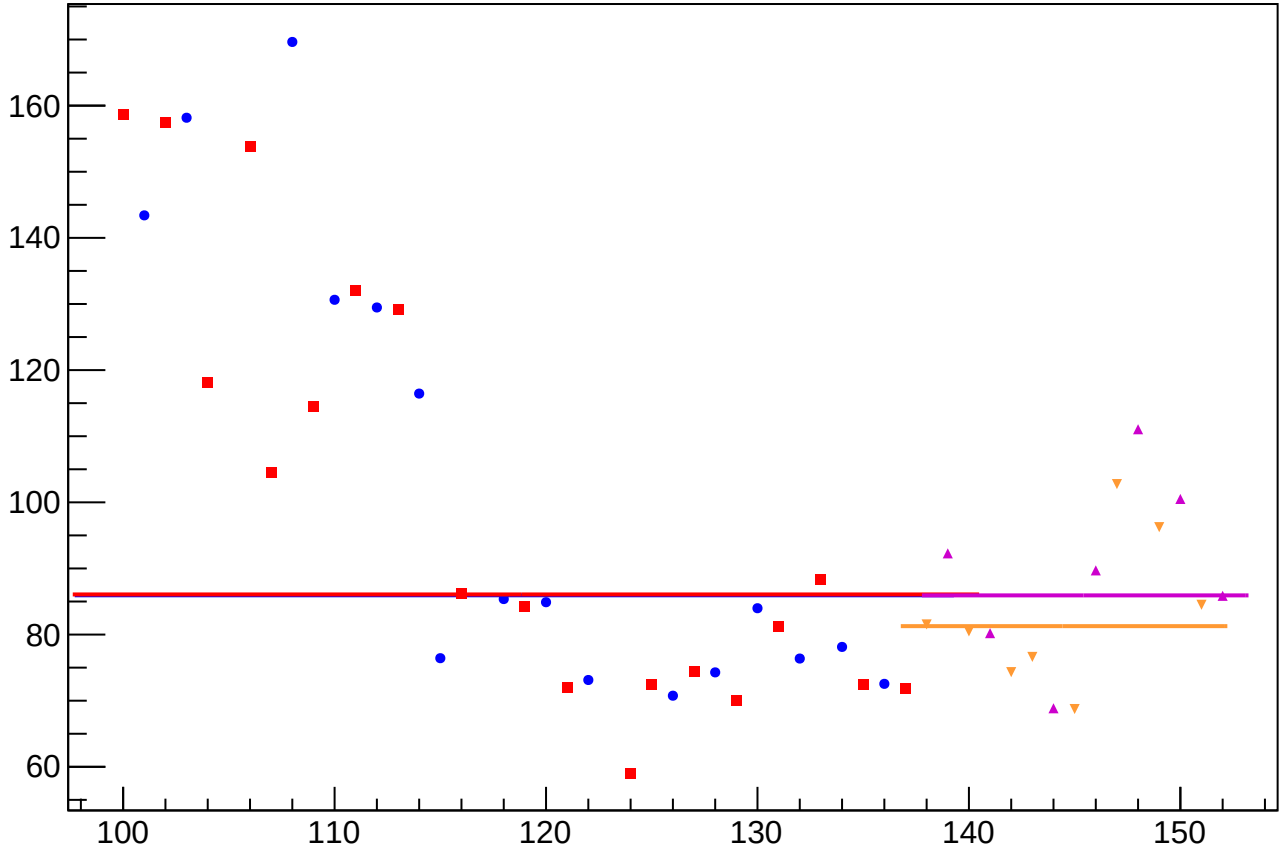
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.064+/-0.024 χ^2/NDF:22.8/22

Out: -0.001+/-0.023 χ^2/NDF:25.7/26

All: -0.031+/-0.017 χ^2/NDF: 52.0/49

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: 85.928+/-0.025 χ^2/NDF:253038.9/6

Left: 83.440+/-0.017 χ^2/NDF: 453619.1/14

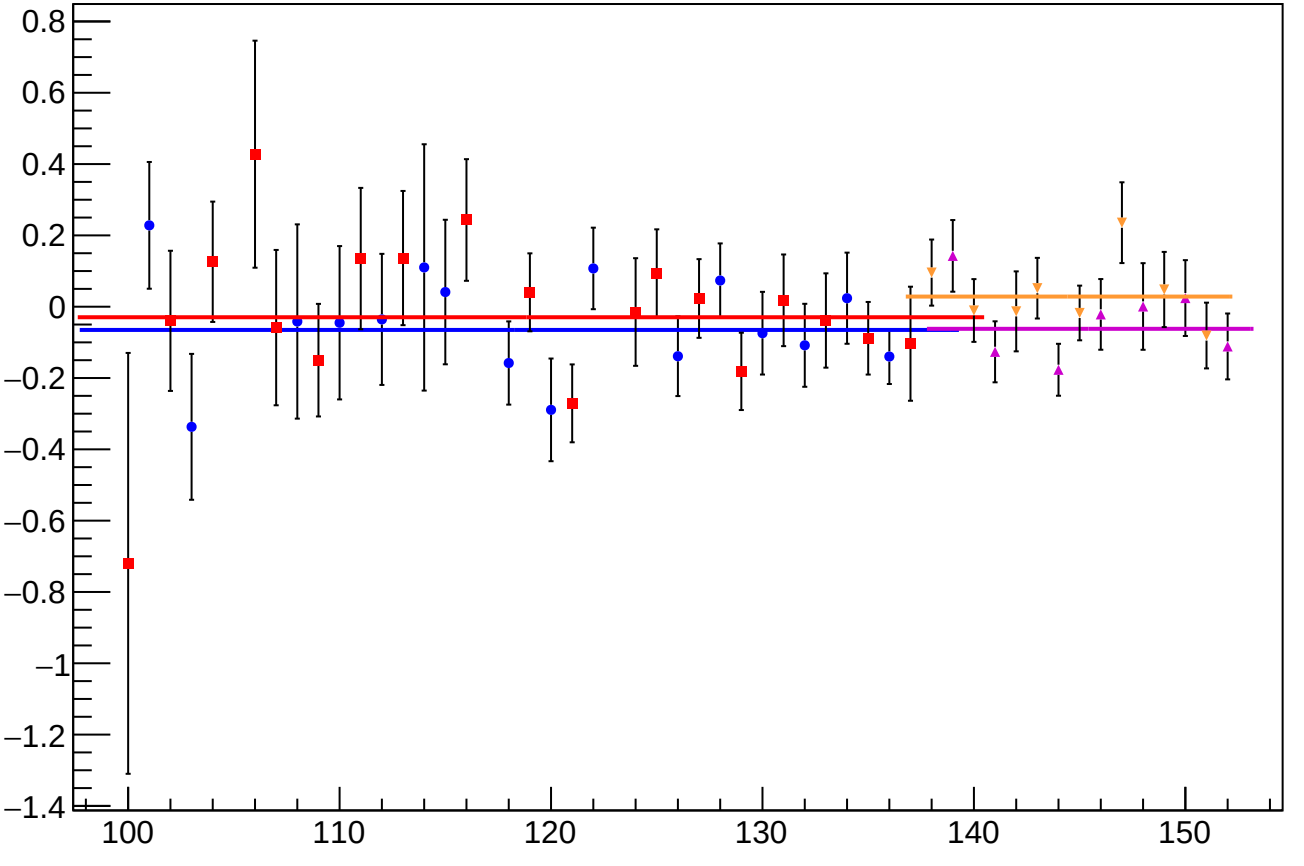
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.936+/-0.017 χ^2/NDF:1288025.8/22

Out: 83.675+/-0.016 χ^2/NDF:1194581.3/26

All: 84.761+/-0.012 χ^2/NDF: 2491644.4/49

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.033 χ^2/NDF:6.1/7

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.062+/-0.035 χ^2/NDF:8.6/6

Left: -0.014+/-0.024 χ^2/NDF: 18.2/14

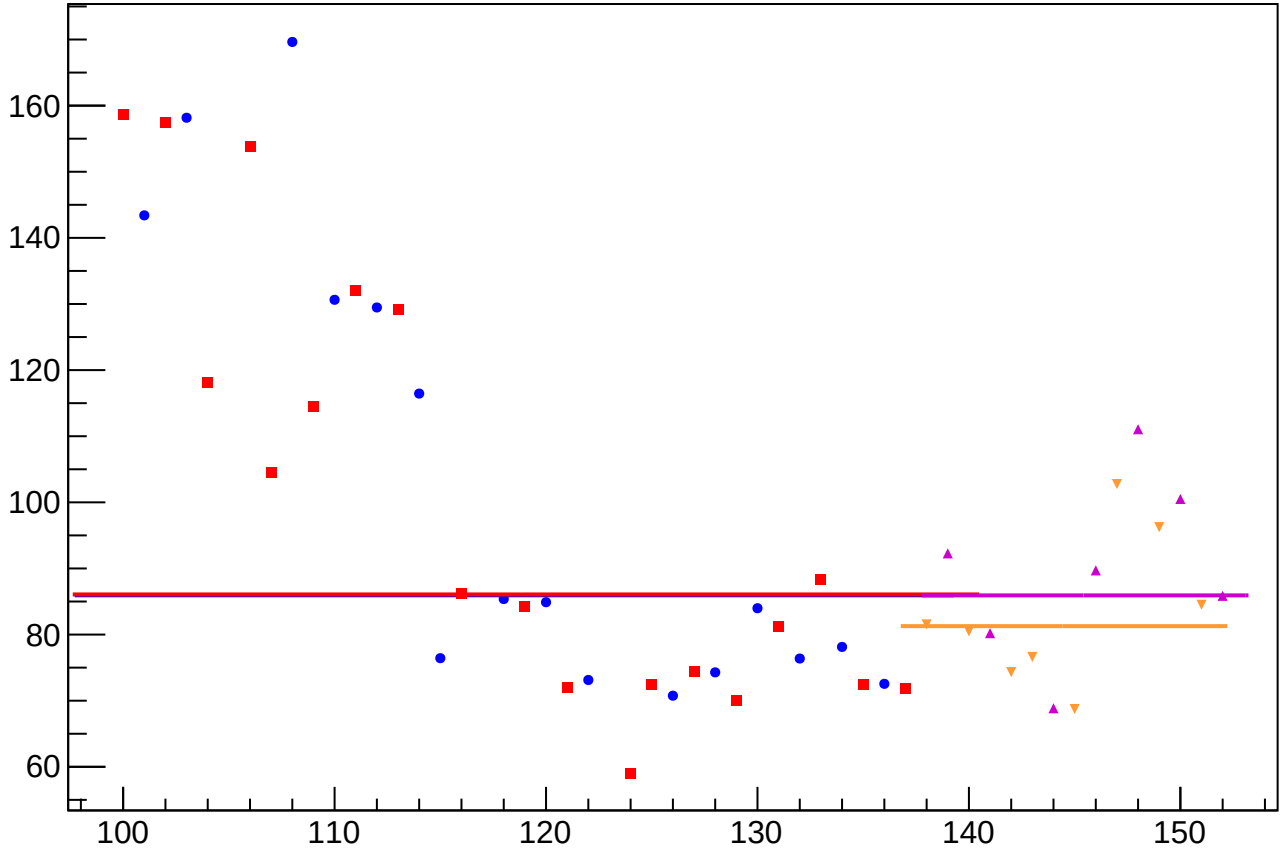
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.064+/-0.024 χ^2/NDF:22.8/22

Out: -0.001+/-0.023 χ^2/NDF:25.7/26

All: -0.031+/-0.017 χ^2/NDF: 52.0/49

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: 85.928+/-0.025 χ^2/NDF:253038.9/6

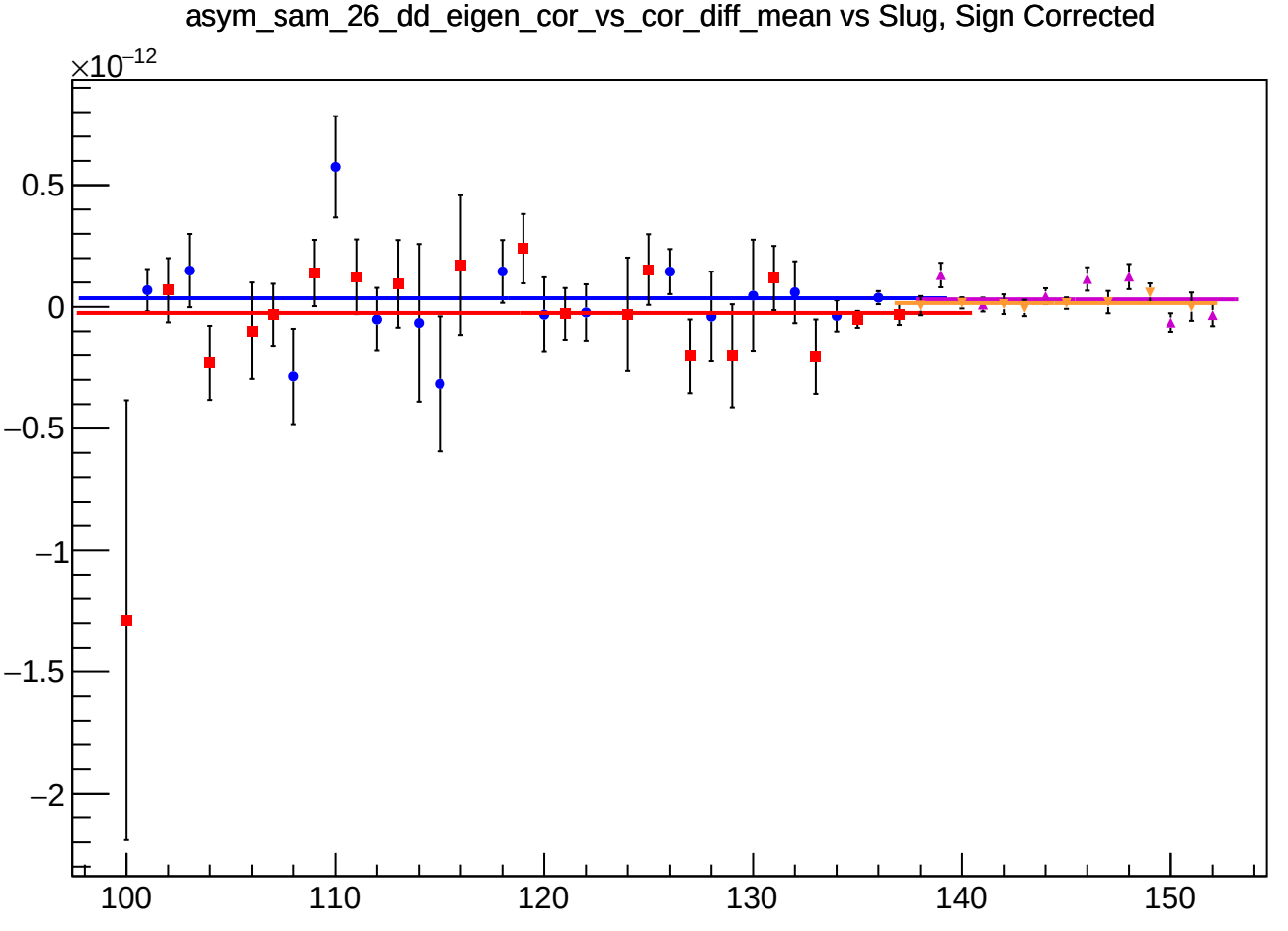
Left: 83.440+/-0.017 χ^2/NDF: 453619.1/14

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.936+/-0.017 χ^2/NDF:1288025.8/22

Out: 83.675+/-0.016 χ^2/NDF:1194581.3/26

All: 84.761+/-0.012 χ^2/NDF: 2491644.4/49



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:19.2/6

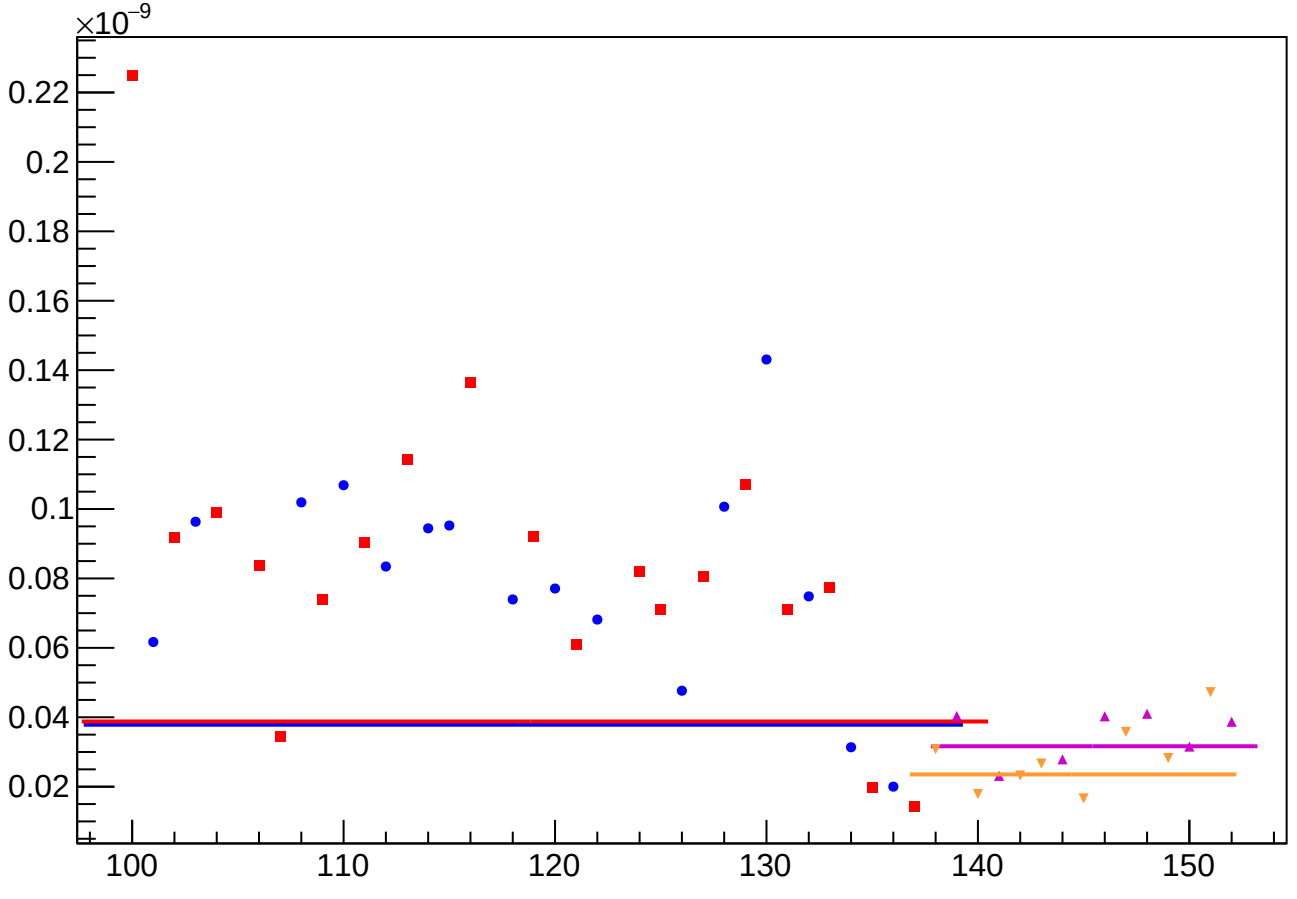
Left: 0.000+/-0.000 χ^2/NDF: 21.6/14

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:35.6/22

Out: 0.000+/-0.000 χ^2/NDF:22.3/26

All: 0.000+/-0.000 χ^2/NDF: 60.5/49



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:443905.1/6

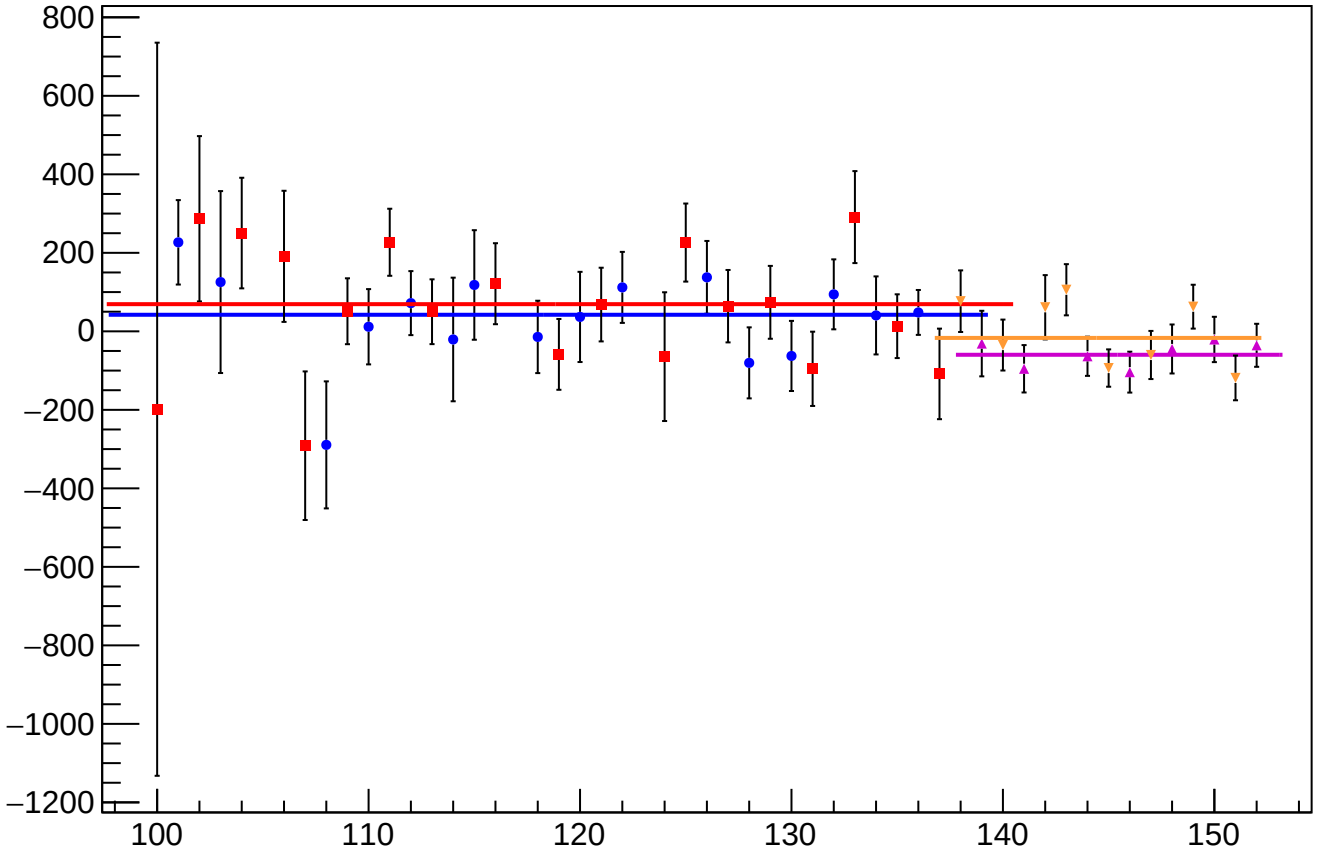
Left: 0.000+/-0.000 χ^2/NDF: 1702388.3/14

Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:4020275.3/22

Out: 0.000+/-0.000 χ^2/NDF:5751480.1/26

All: 0.000+/-0.000 χ^2/NDF: 10152063.5/49



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: -59.709+/-21.941 χ^2/NDF:1.9/6

Left: -38.013+/-15.435 χ^2/NDF: 18.1/14

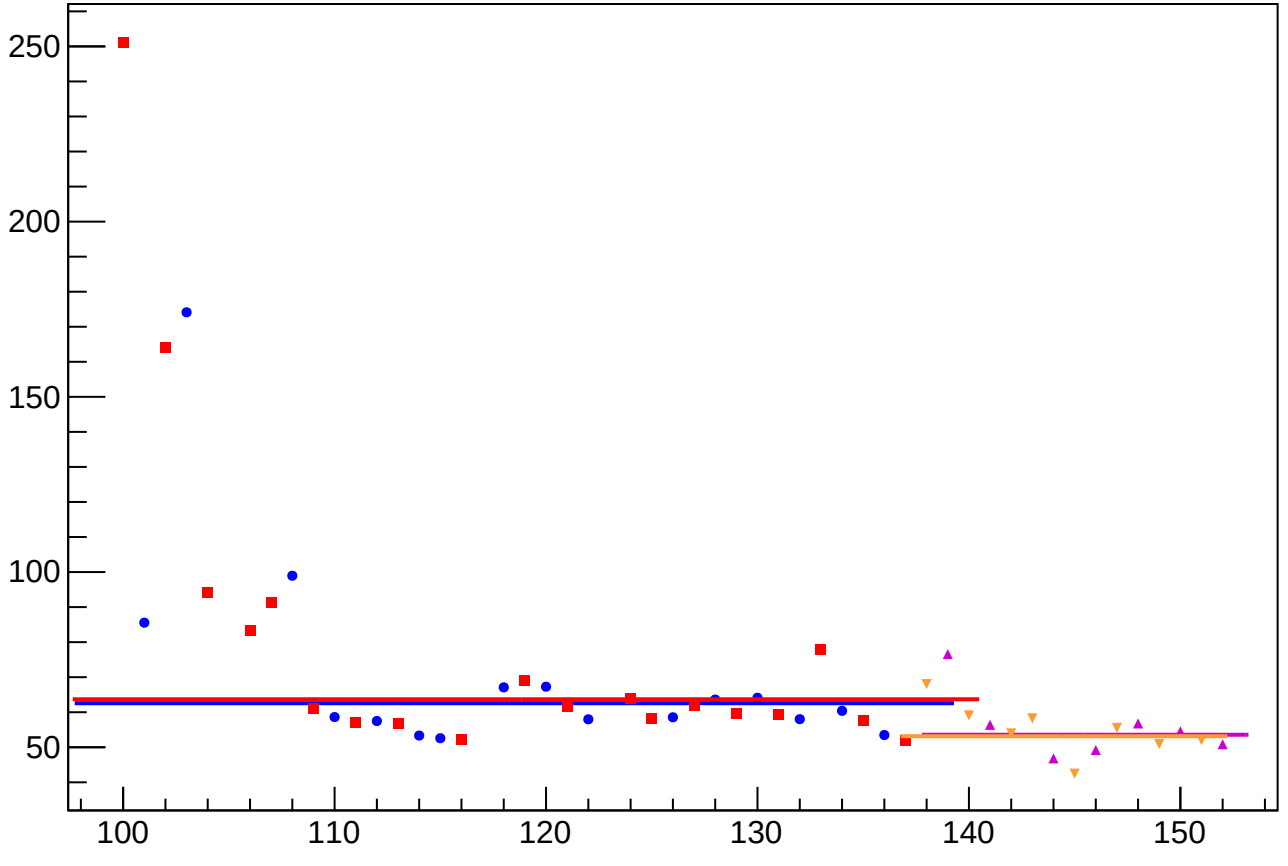
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -13.739+/-16.257 χ^2/NDF:25.2/22

Out: 21.227+/-16.227 χ^2/NDF:46.6/26

All: 3.776+/-11.485 χ^2/NDF: 74.1/49

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: 53.577+/-0.016 χ^2/NDF:217662.3/6

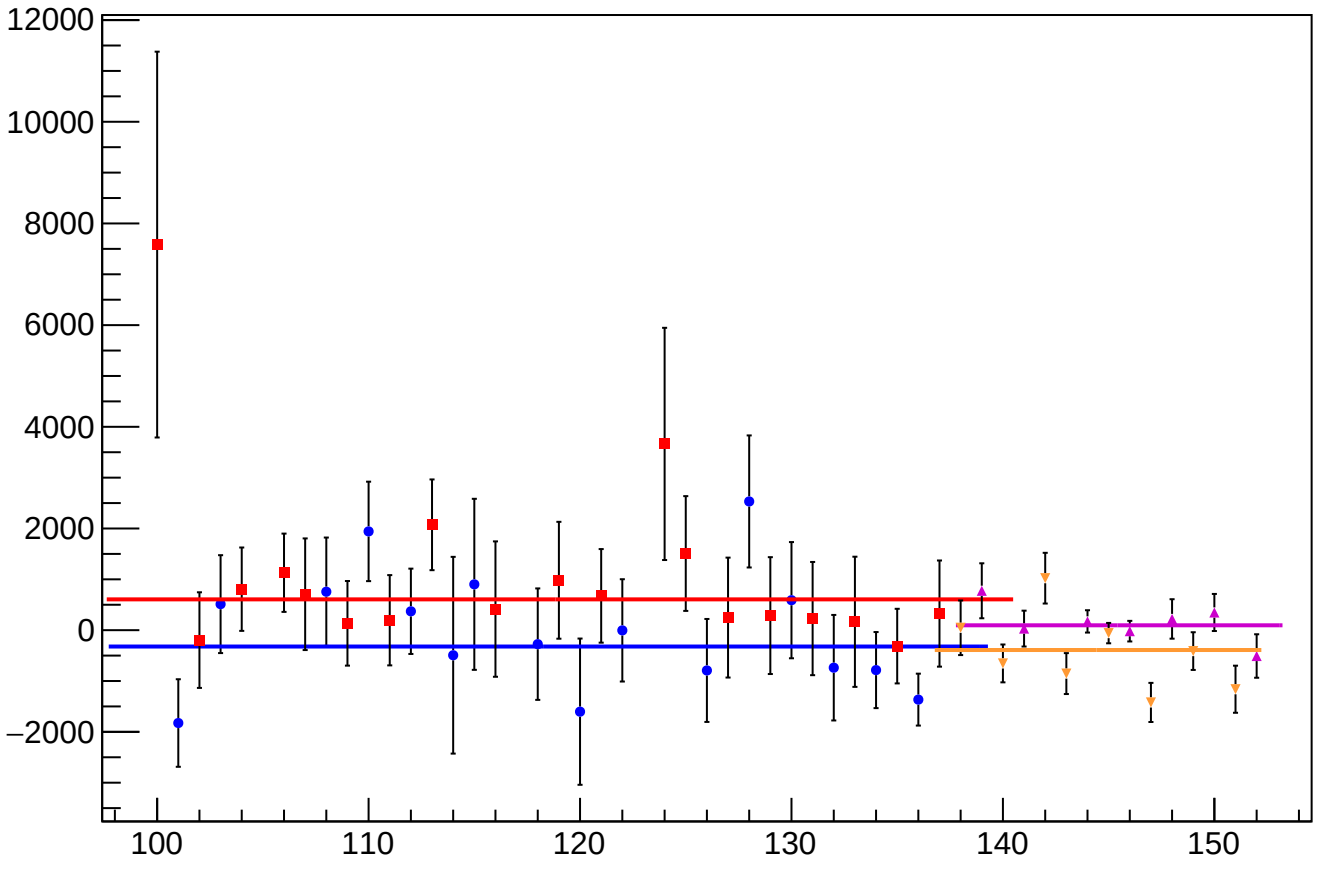
Left: 53.363+/-0.011 χ^2/NDF: 426981.2/14

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 57.631+/-0.011 χ^2/NDF:1127670.7/22

Out: 57.811+/-0.011 χ^2/NDF:1251420.3/26

All: 57.721+/-0.008 χ^2/NDF: 2379214.1/49



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: 95.899+/-114.561 χ^2/NDF:4.6/6

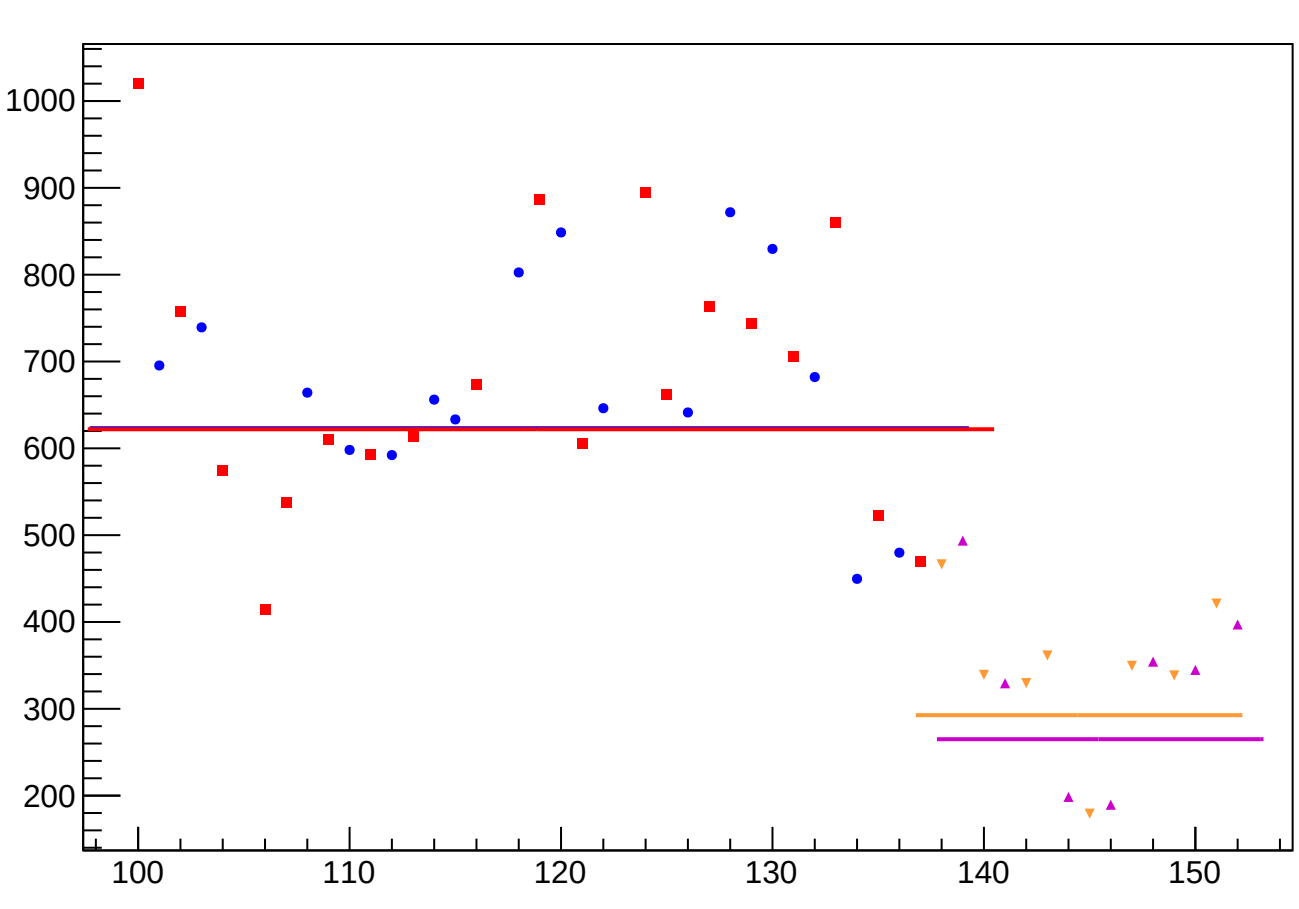
Left: -126.955+/-84.312 χ^2/NDF: 36.1/14

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 17.609+/-103.264 χ^2/NDF:29.8/22

Out: -169.905+/-109.897 χ^2/NDF:49.9/26

All: -70.319+/-75.254 χ^2/NDF: 81.2/49



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: 265.005+/-0.081 χ^2/NDF:1278207.6/6

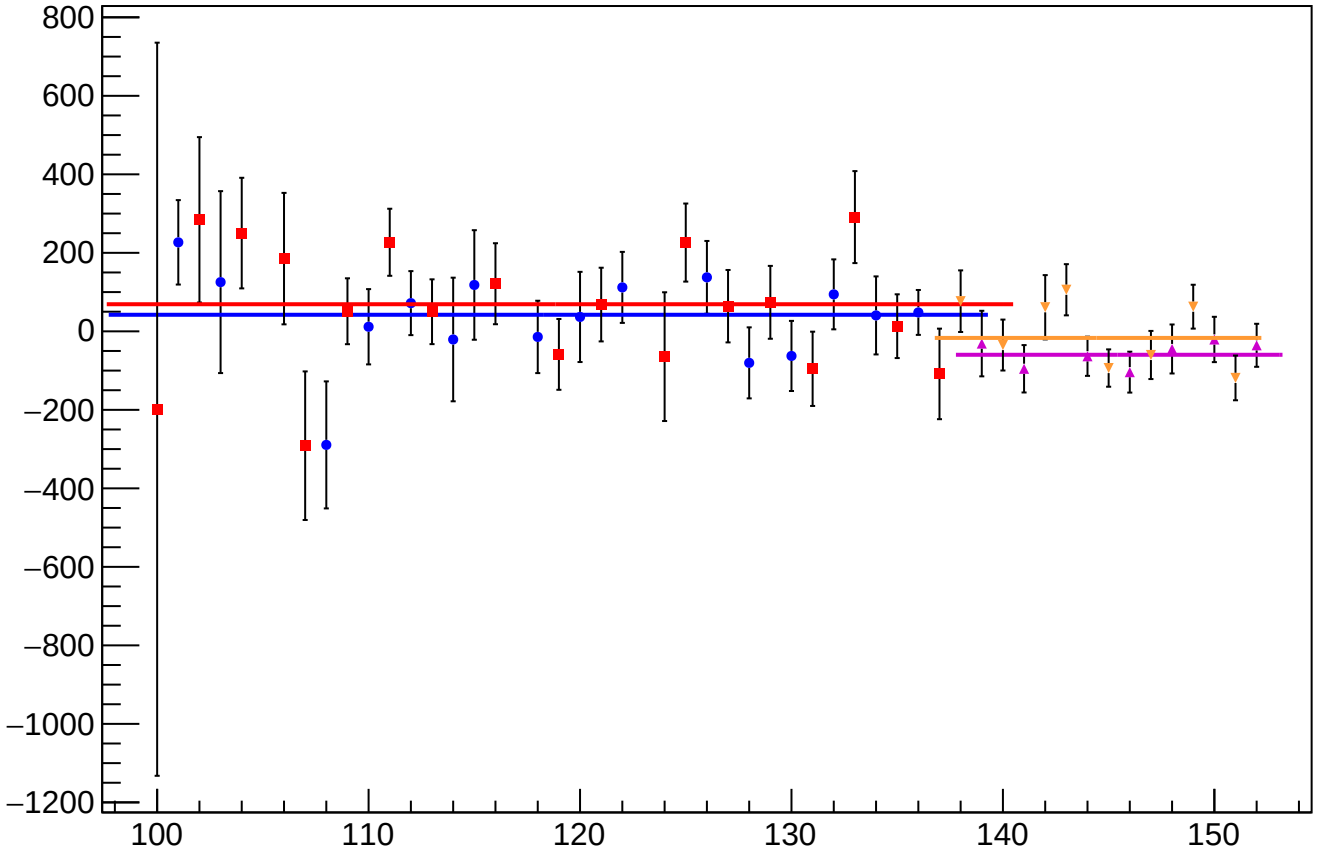
Left: 277.680+/-0.060 χ^2/NDF: 2510800.6/14

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 332.161+/-0.073 χ^2/NDF:5509261.2/22

Out: 365.516+/-0.078 χ^2/NDF:4856038.9/26

All: 347.801+/-0.053 χ^2/NDF: 10463144.7/49



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: -59.707+/-21.941 χ^2/NDF:1.9/6

Left: -38.010+/-15.435 χ^2/NDF: 18.1/14

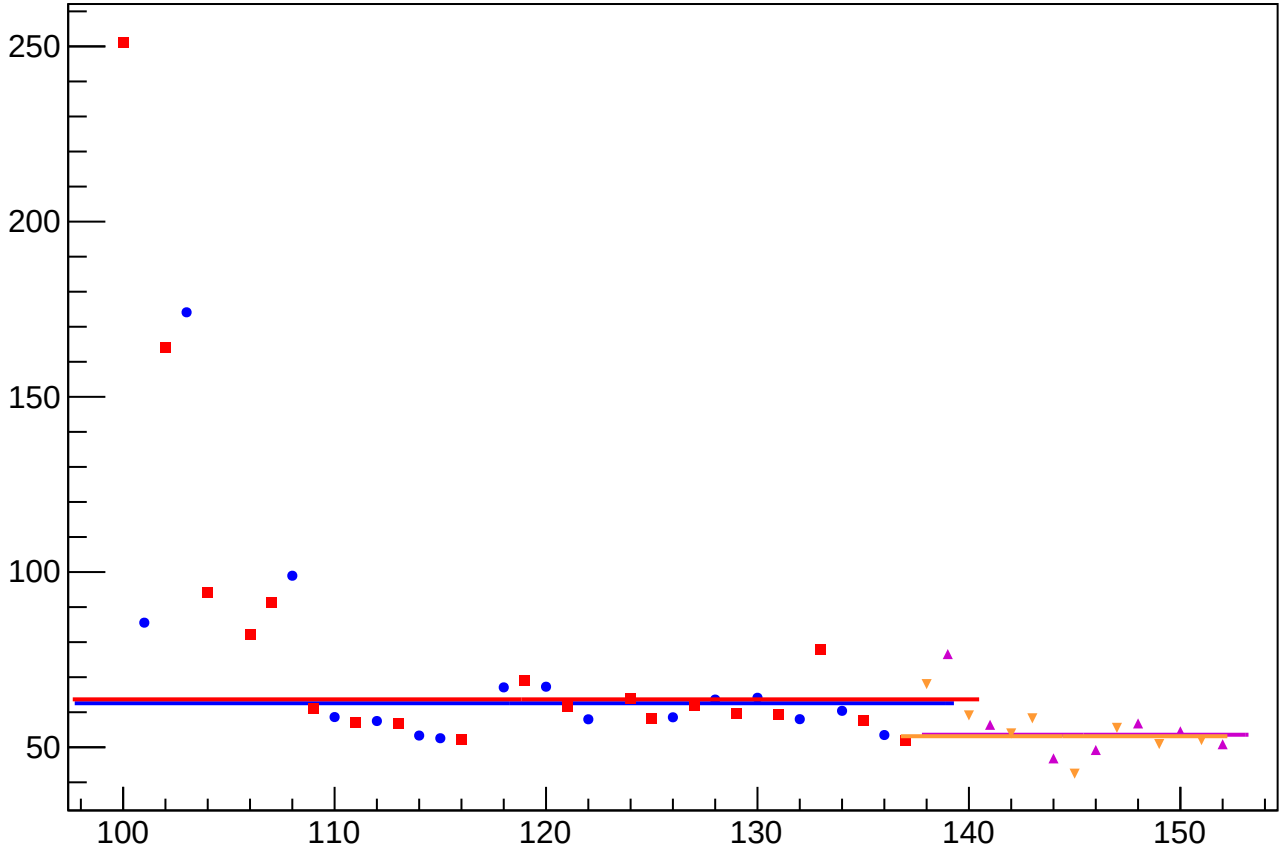
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -13.740+/-16.257 χ^2/NDF:25.2/22

Out: 21.146+/-16.228 χ^2/NDF:46.5/26

All: 3.734+/-11.485 χ^2/NDF: 74.0/49

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: 53.577+/-0.016 χ^2/NDF:217662.3/6

Left: 53.363+/-0.011 χ^2/NDF: 426981.2/14

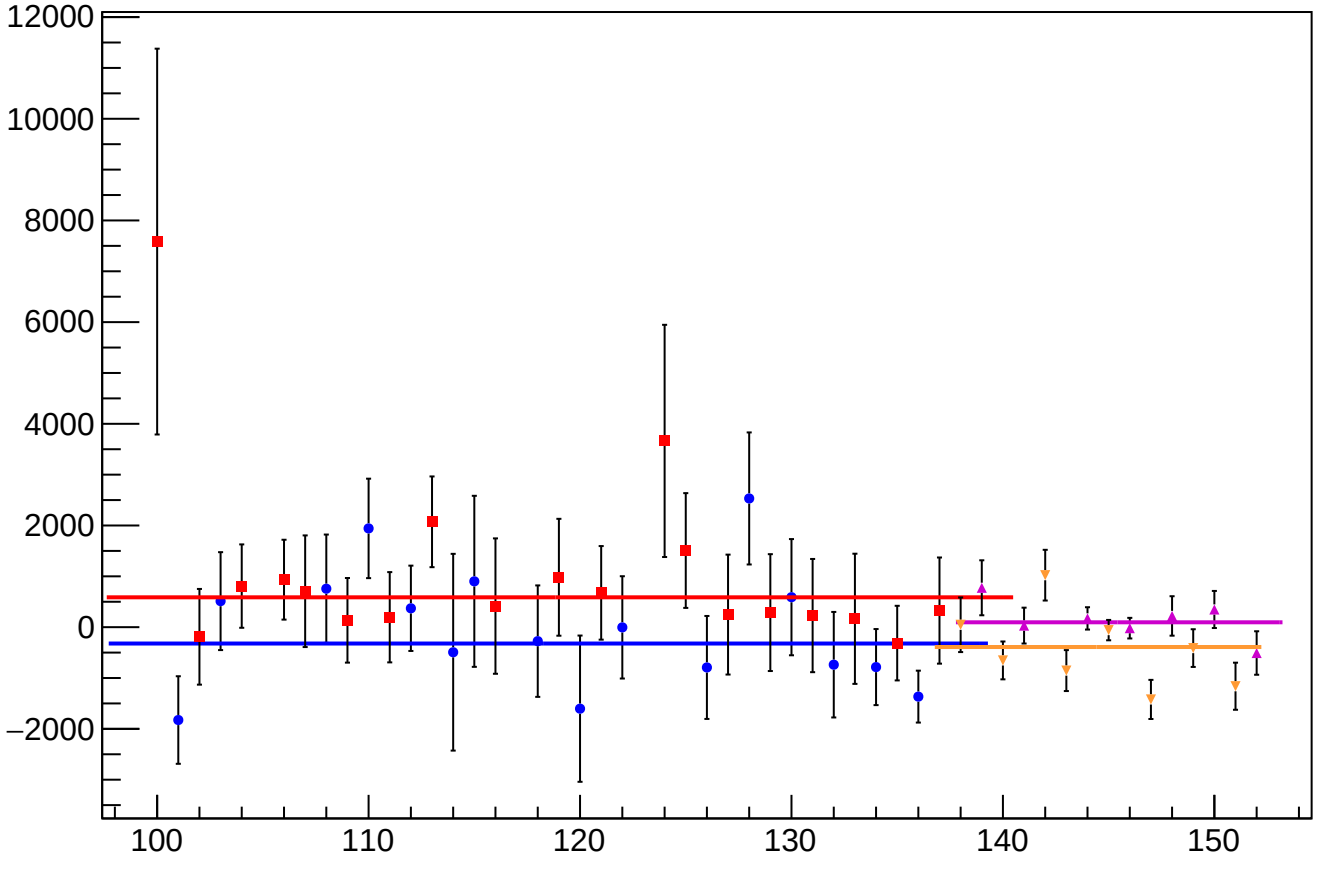
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 57.631+/-0.011 χ^2/NDF:1127672.7/22

Out: 57.800+/-0.011 χ^2/NDF:1247706.1/26

All: 57.715+/-0.008 χ^2/NDF: 2375487.4/49

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: 95.904+/-114.561 χ^2/NDF:4.6/6

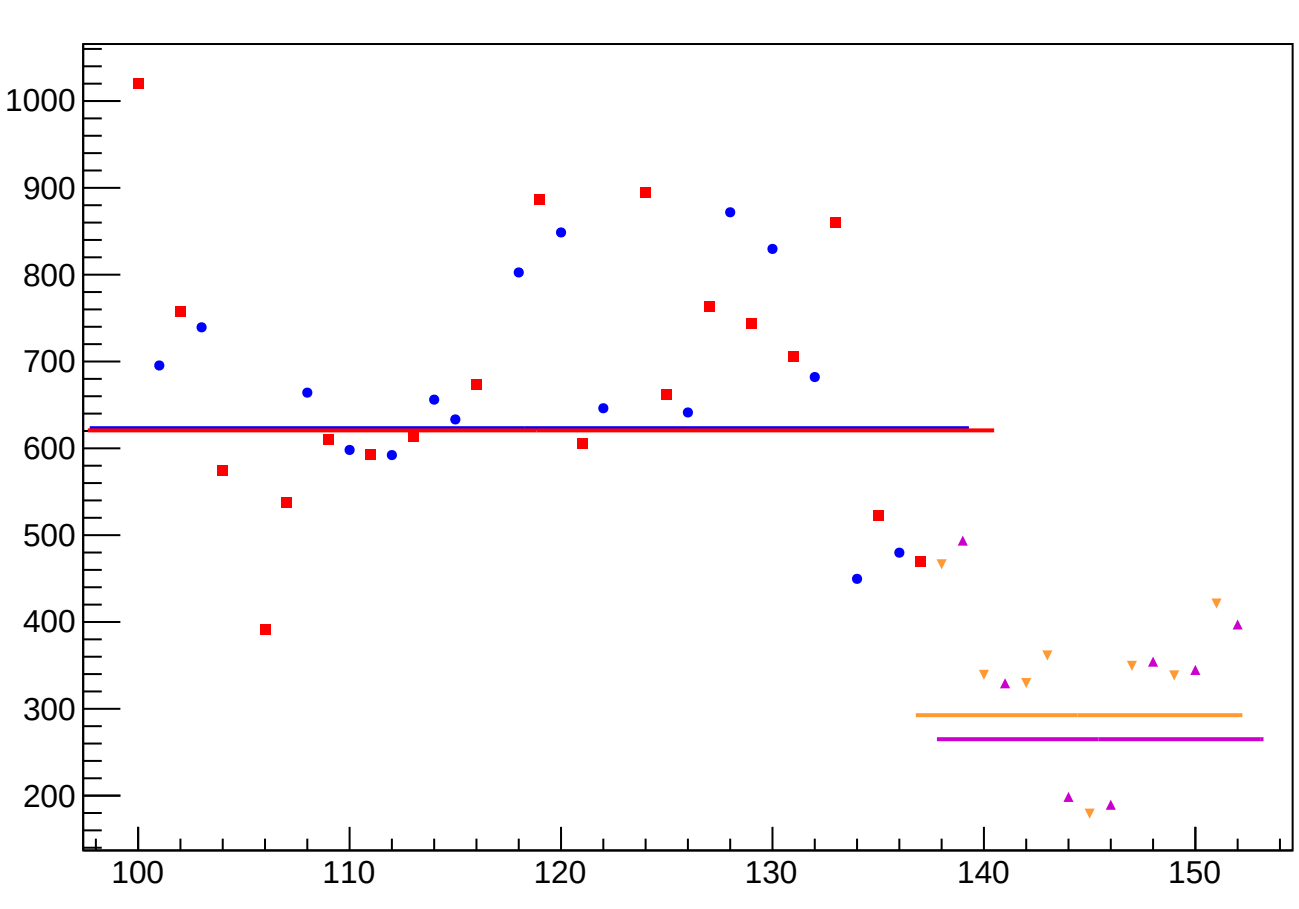
Left: -126.951+/-84.312 χ^2/NDF: 36.1/14

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 17.614+/-103.264 χ^2/NDF:29.8/22

Out: -174.655+/-109.942 χ^2/NDF:49.0/26

All: -72.504+/-75.269 χ^2/NDF: 80.5/49



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: 265.005+/-0.081 χ^2/NDF:1278212.6/6

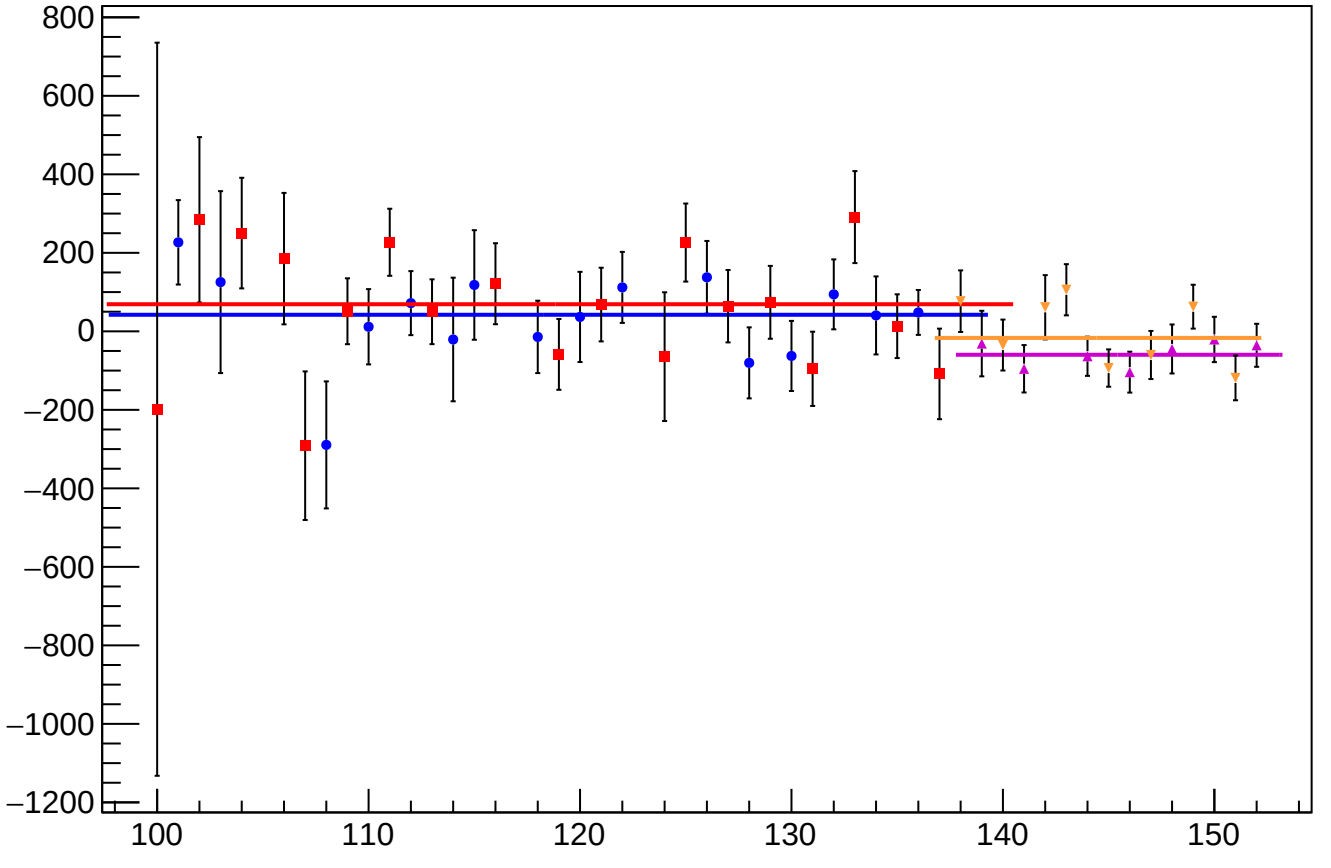
Left: 277.680+/-0.060 χ^2/NDF: 2510811.2/14

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 332.160+/-0.073 χ^2/NDF:5509327.5/22

Out: 365.016+/-0.078 χ^2/NDF:4850646.7/26

All: 347.560+/-0.053 χ^2/NDF: 10454872.5/49



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: -59.707+/-21.941 χ^2/NDF:1.9/6

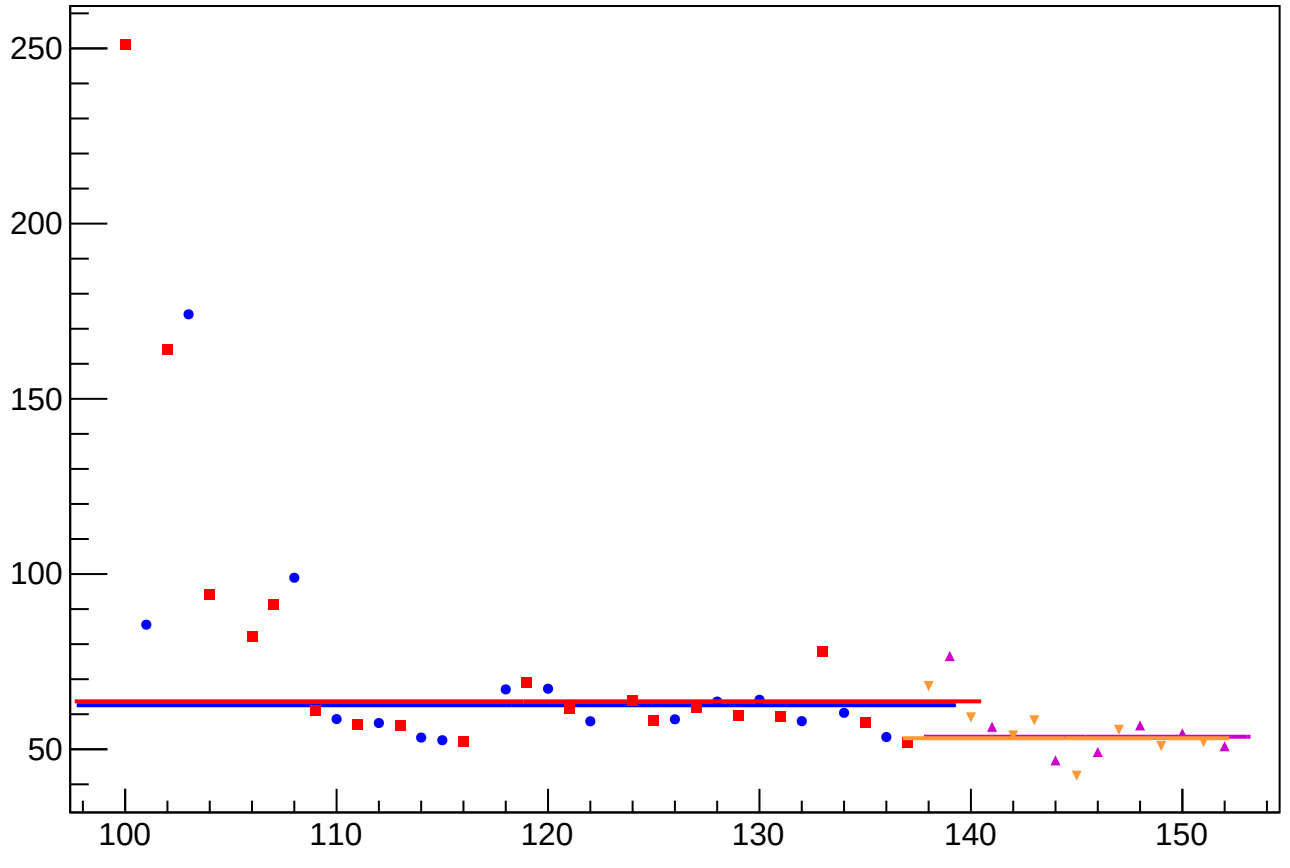
Left: -38.010+/-15.435 χ^2/NDF: 18.1/14

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -13.740+/-16.257 χ^2/NDF:25.2/22

Out: 21.146+/-16.228 χ^2/NDF:46.5/26

All: 3.734+/-11.485 χ^2/NDF: 74.0/49



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: 53.577+/-0.016 χ^2/NDF:217662.3/6

Left: 53.363+/-0.011 χ^2/NDF: 426981.2/14

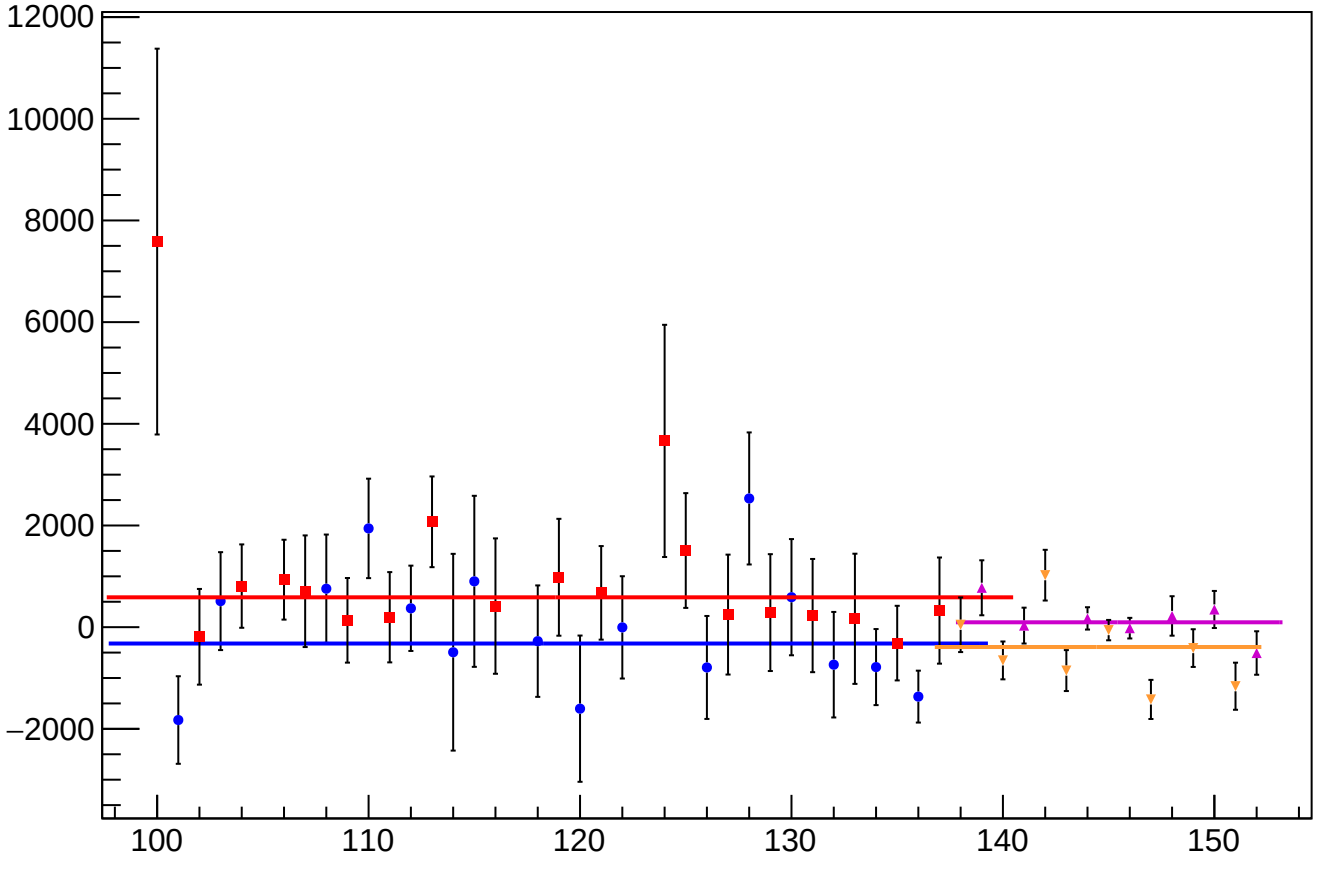
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 57.631+/-0.011 χ^2/NDF:1127672.7/22

Out: 57.800+/-0.011 χ^2/NDF:1247706.1/26

All: 57.715+/-0.008 χ^2/NDF: 2375487.4/49

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: 95.904+/-114.561 χ^2/NDF:4.6/6

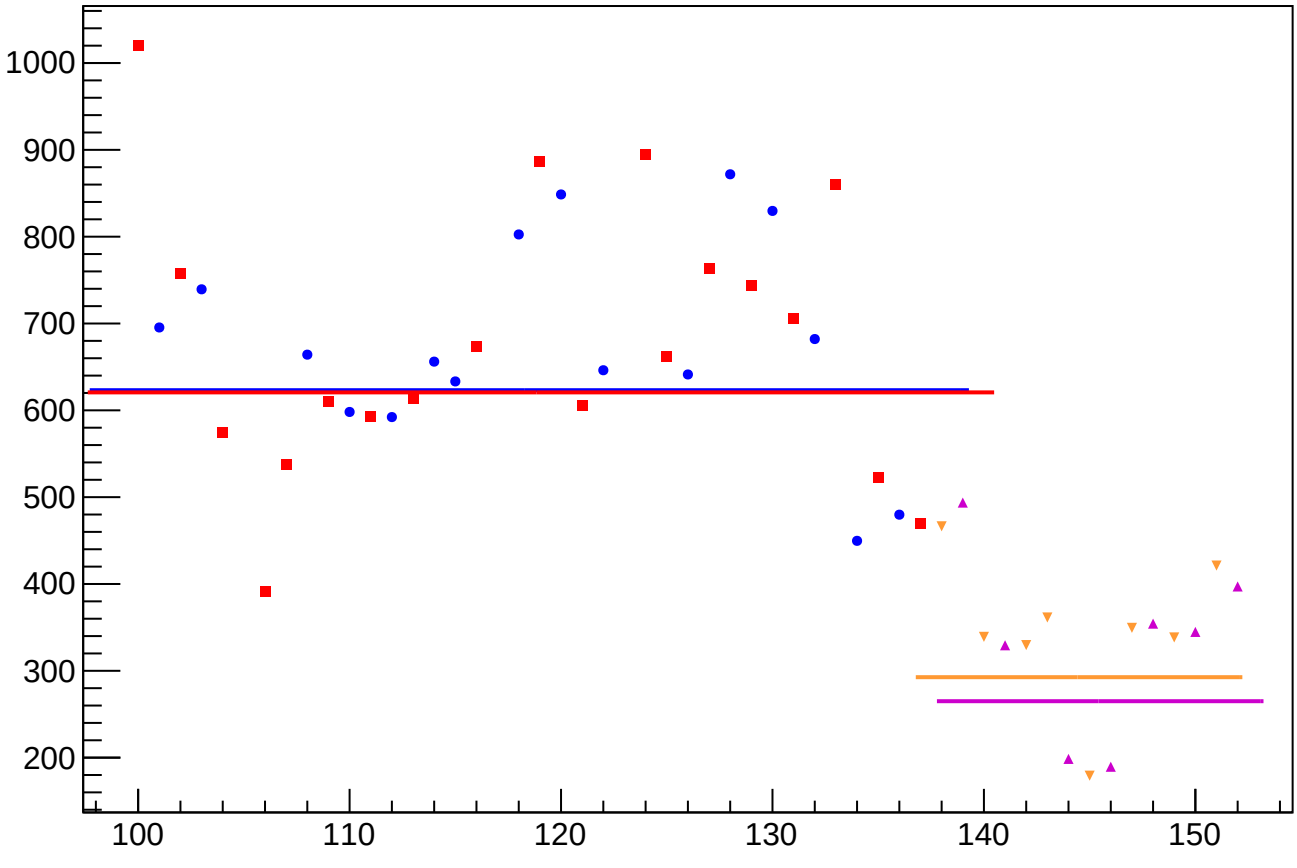
Left: -126.951+/-84.312 χ^2/NDF: 36.1/14

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 17.614+/-103.264 χ^2/NDF:29.8/22

Out: -174.655+/-109.942 χ^2/NDF:49.0/26

All: -72.504+/-75.269 χ^2/NDF: 80.5/49



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: 265.005+/-0.081 χ^2/NDF:1278212.6/6

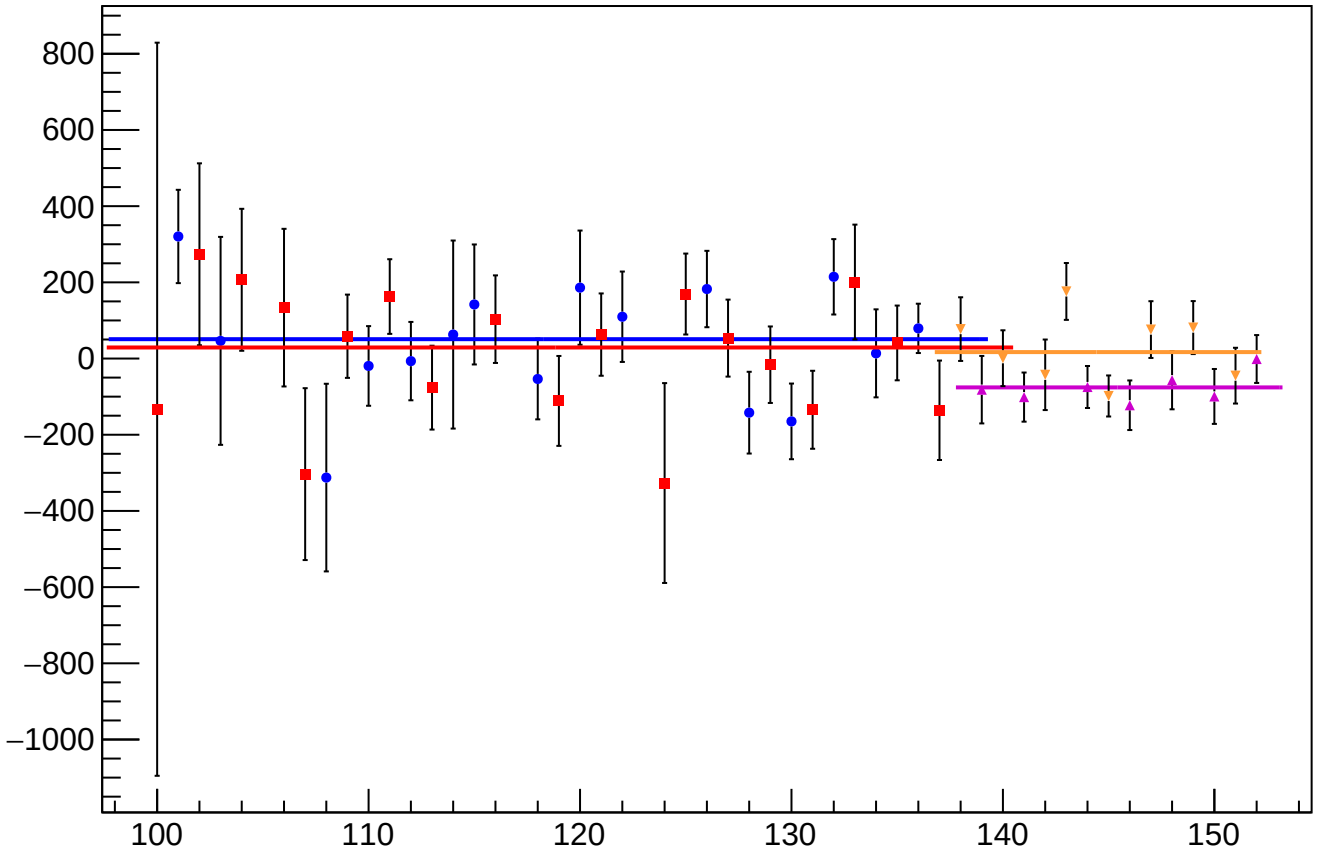
Left: 277.680+/-0.060 χ^2/NDF: 2510811.2/14

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 332.160+/-0.073 χ^2/NDF:5509327.5/22

Out: 365.016+/-0.078 χ^2/NDF:4850646.7/26

All: 347.560+/-0.053 χ^2/NDF: 10454872.5/49



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: -75.765+/-25.399 χ^2/NDF:2.3/6

Left: -29.509+/-17.979 χ^2/NDF: 21.2/14

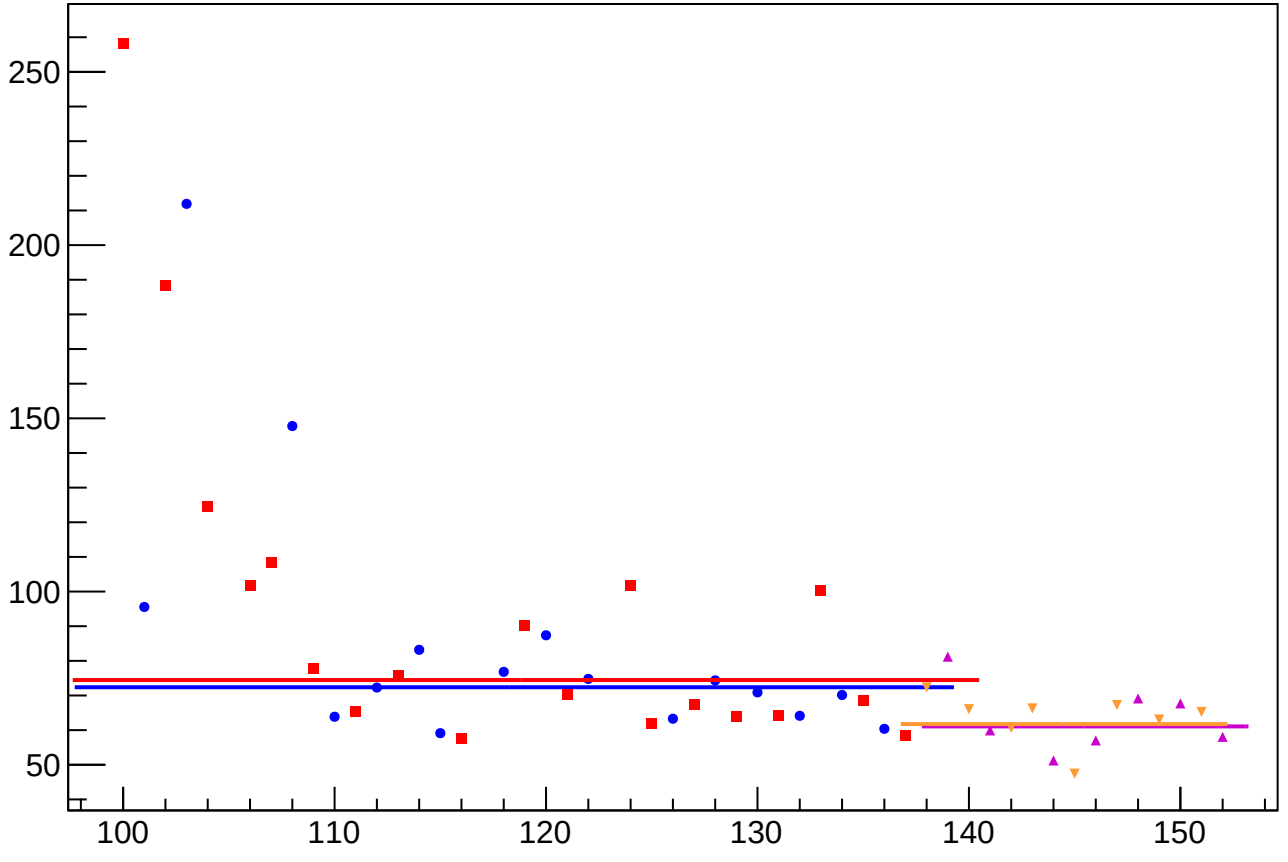
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -19.317+/-18.908 χ^2/NDF:36.2/22

Out: 22.222+/-19.103 χ^2/NDF:30.9/26

All: 1.238+/-13.438 χ^2/NDF: 69.5/49

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: 61.076+/-0.018 χ^2/NDF:219269.1/6

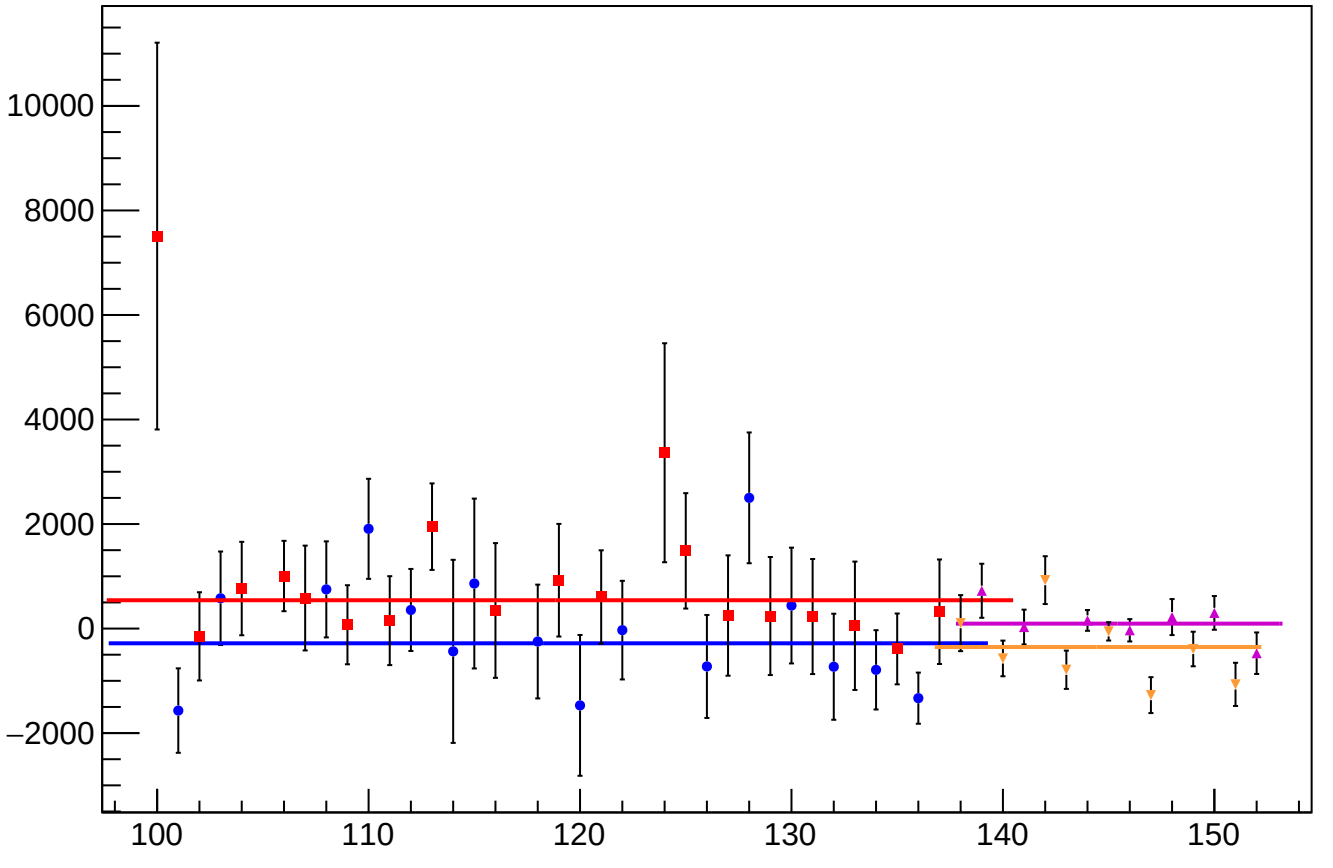
Left: 61.411+/-0.013 χ^2/NDF: 424128.8/14

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 66.115+/-0.013 χ^2/NDF:1334005.0/22

Out: 67.300+/-0.014 χ^2/NDF:1474431.3/26

All: 66.701+/-0.010 χ^2/NDF: 2812324.7/49



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: 94.222+/-108.893 χ^2/NDF:4.5/6

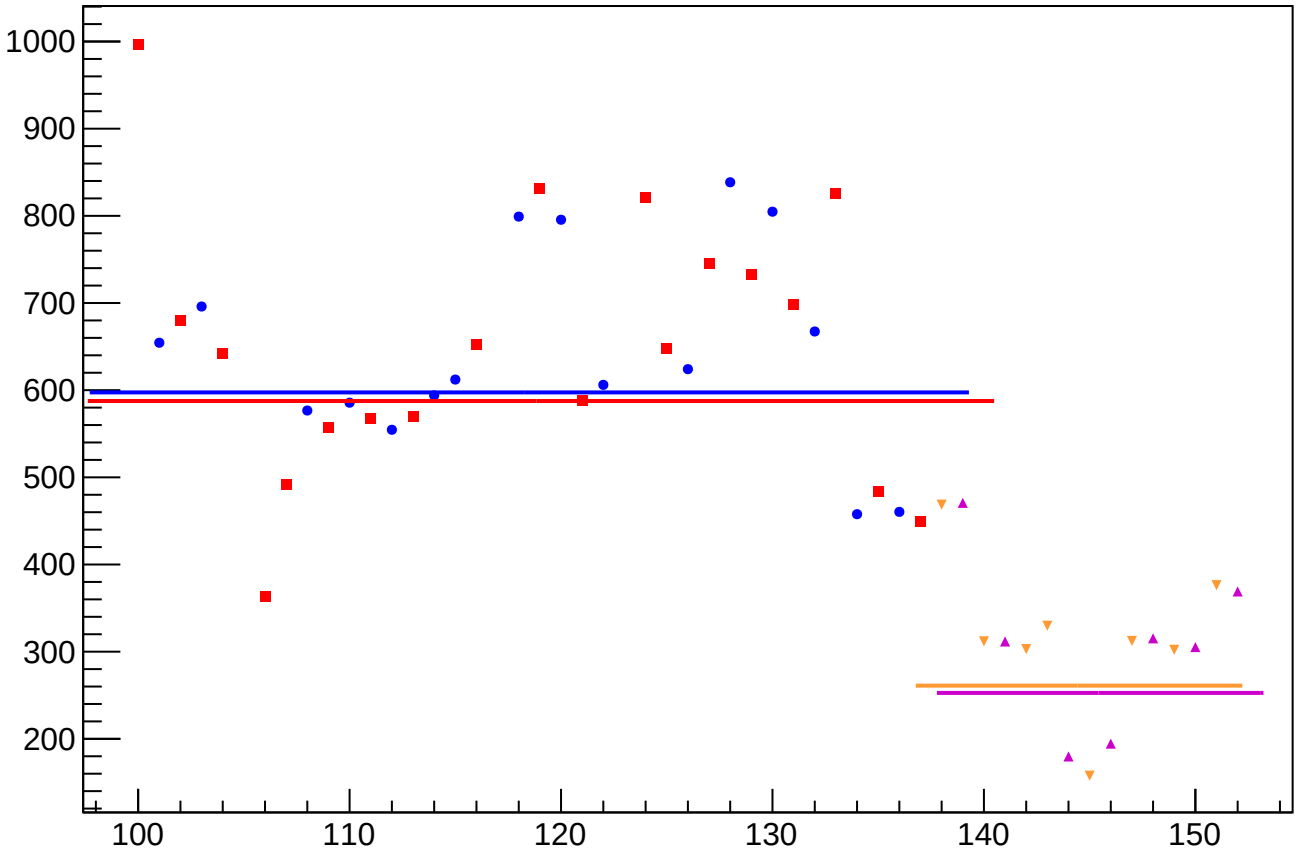
Left: -123.982+/-77.948 χ^2/NDF: 36.2/14

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 24.232+/-98.244 χ^2/NDF:29.6/22

Out: -171.169+/-99.630 χ^2/NDF:49.8/26

All: -72.100+/-69.954 χ^2/NDF: 81.3/49



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: 252.692+/-0.077 χ^2/NDF:1126681.1/6

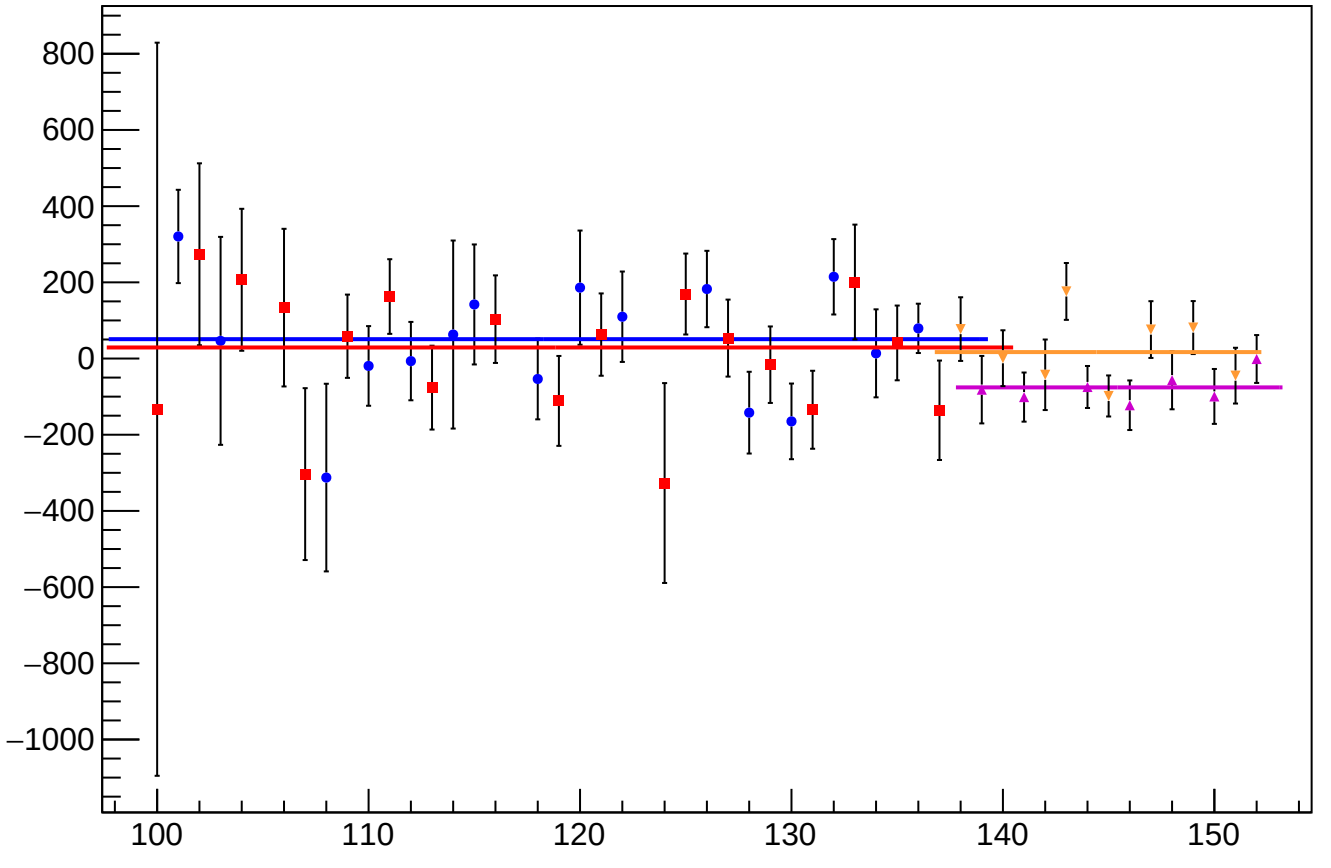
Left: 256.758+/-0.055 χ^2/NDF: 2488582.3/14

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 316.820+/-0.069 χ^2/NDF:5389342.6/22

Out: 327.451+/-0.070 χ^2/NDF:5526309.2/26

All: 322.061+/-0.049 χ^2/NDF: 10927196.3/49



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: -75.765+/-25.400 χ^2/NDF:2.3/6

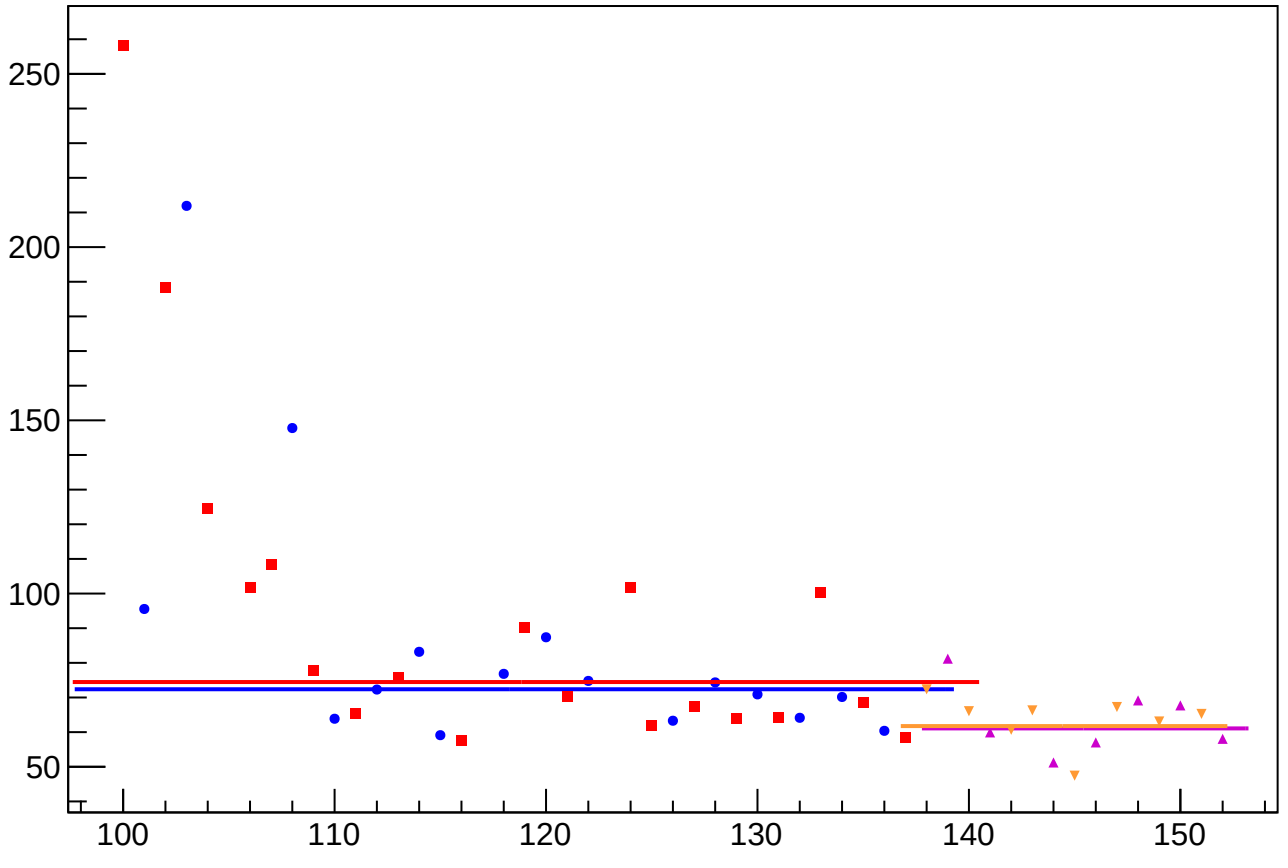
Left: -29.509+/-17.979 χ^2/NDF: 21.2/14

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -19.317+/-18.908 χ^2/NDF:36.2/22

Out: 22.222+/-19.103 χ^2/NDF:30.9/26

All: 1.239+/-13.438 χ^2/NDF: 69.5/49



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: 61.076+/-0.018 χ^2/NDF:219272.0/6

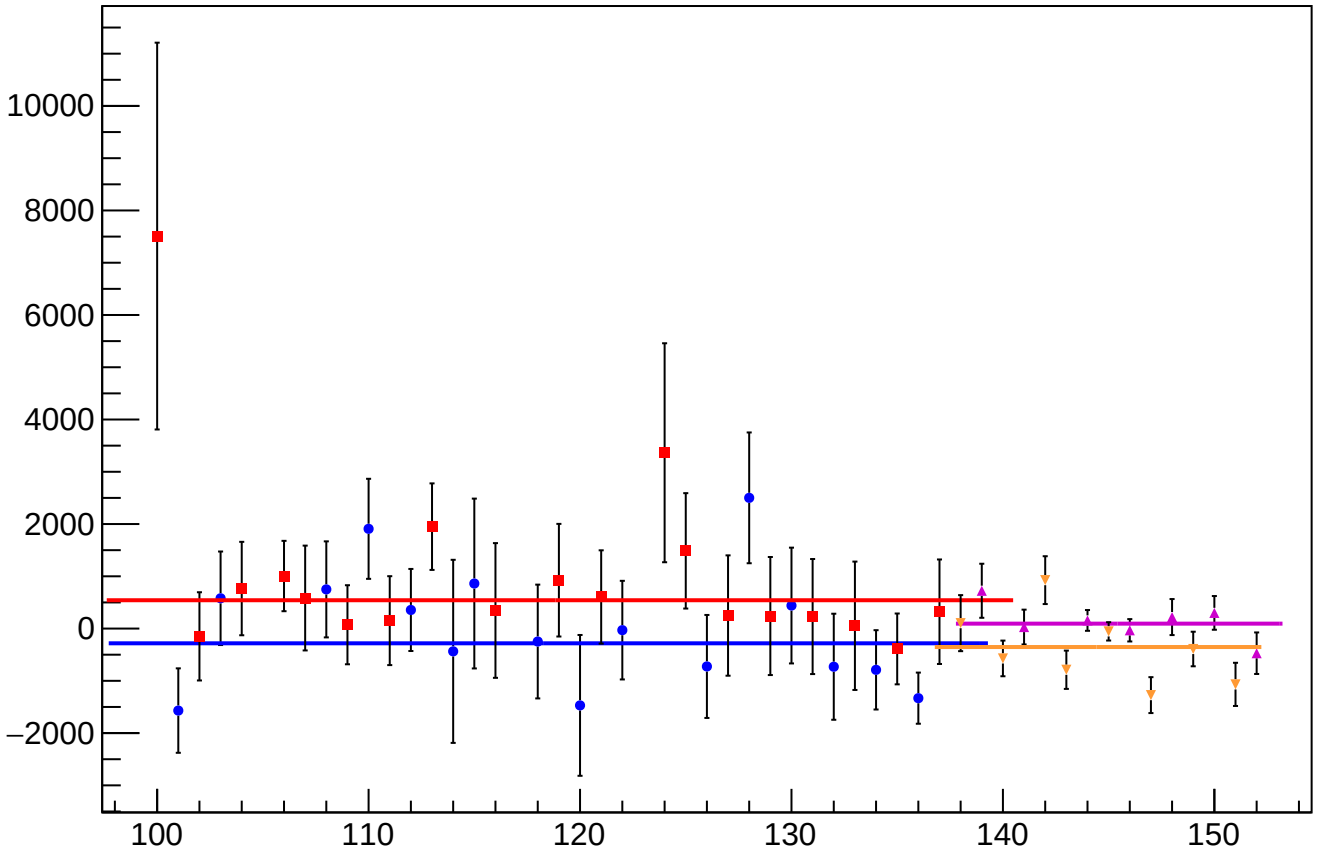
Left: 61.411+/-0.013 χ^2/NDF: 424142.8/14

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 66.115+/-0.013 χ^2/NDF:1334003.4/22

Out: 67.300+/-0.014 χ^2/NDF:1474425.8/26

All: 66.701+/-0.010 χ^2/NDF: 2812318.2/49



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: 94.222+/-108.893 χ^2/NDF:4.5/6

Left: -123.982+/-77.948 χ^2/NDF: 36.2/14

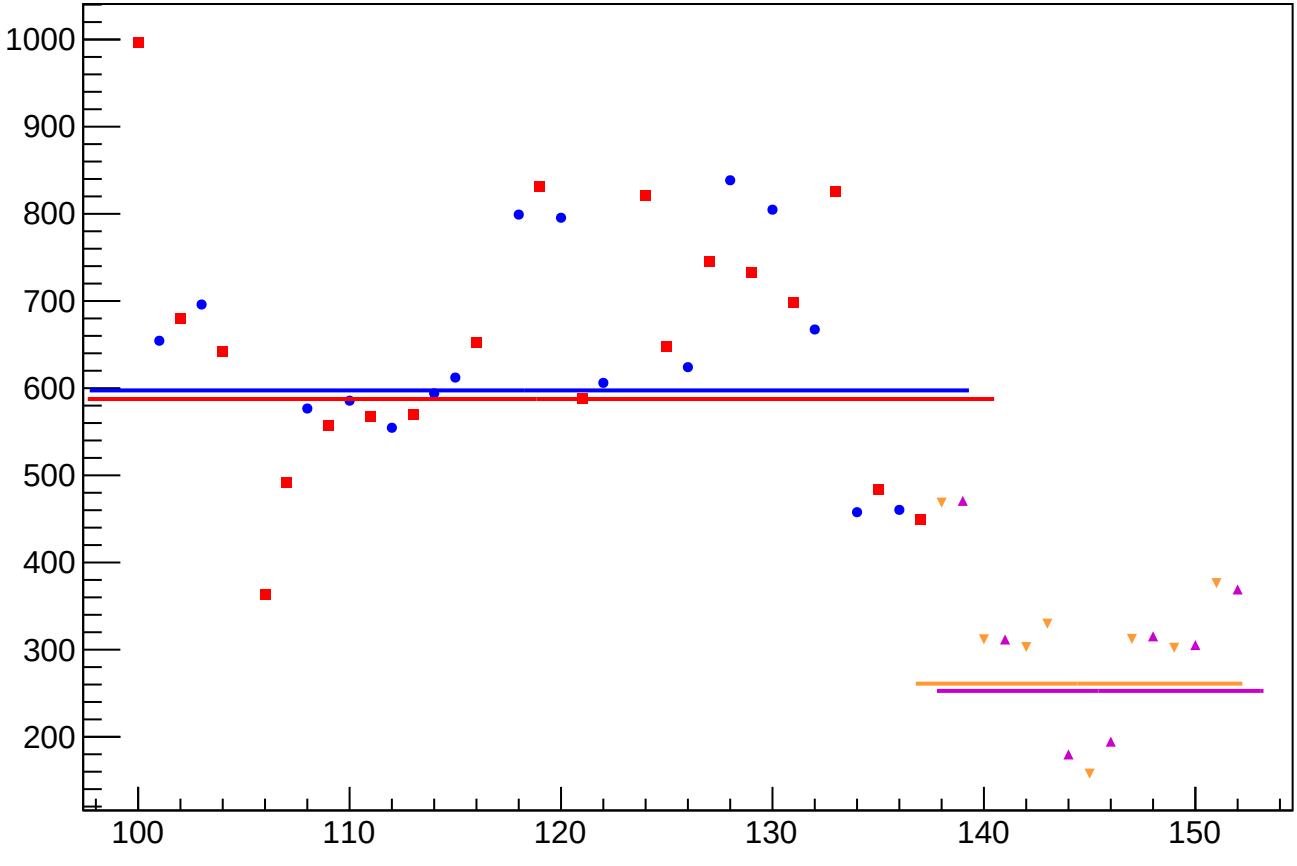
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 24.232+/-98.244 χ^2/NDF:29.6/22

Out: -171.169+/-99.630 χ^2/NDF:49.8/26

All: -72.100+/-69.954 χ^2/NDF: 81.3/49

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: 252.692+/-0.077 χ^2/NDF:1126676.2/6

Left: 256.758+/-0.055 χ^2/NDF: 2488570.5/14

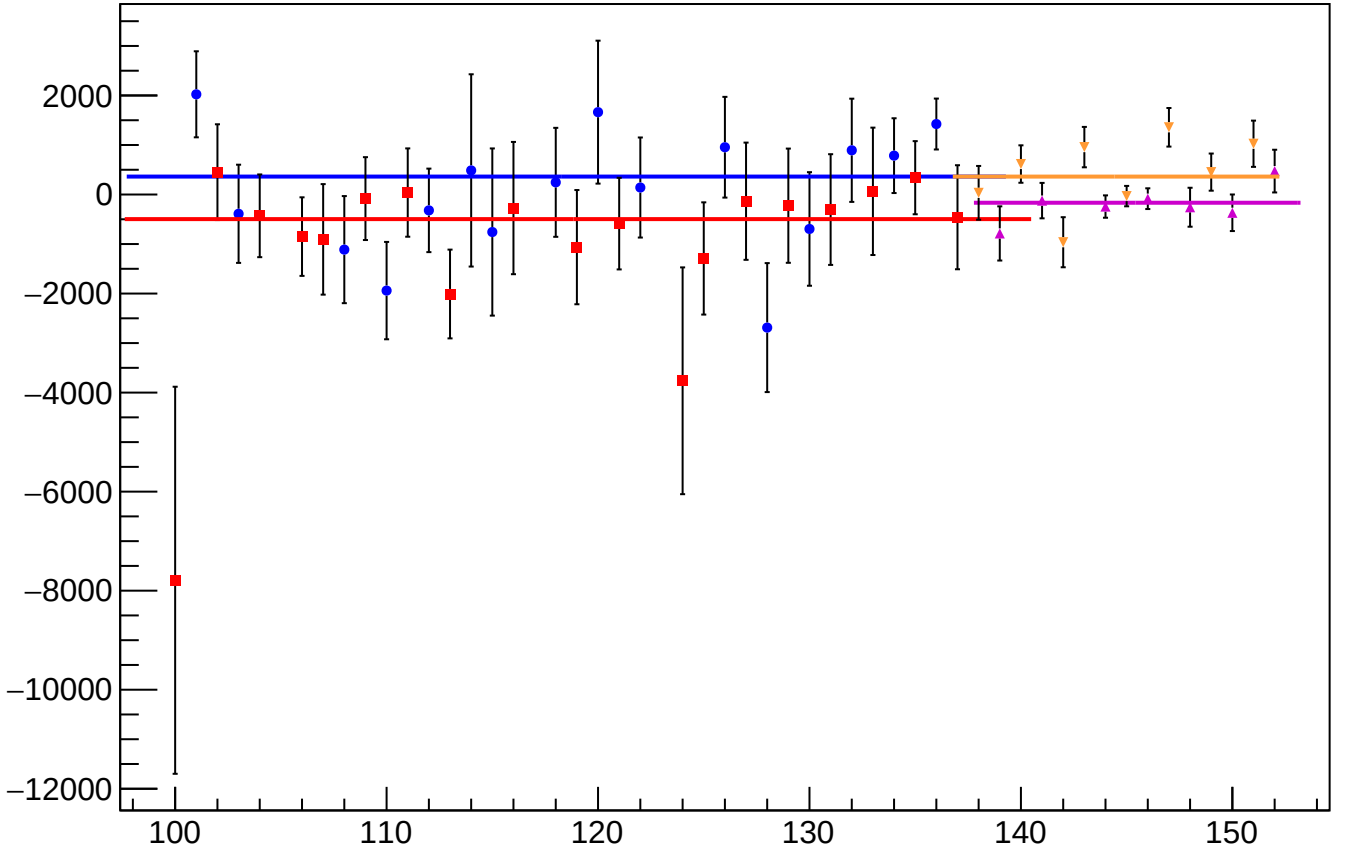
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 316.820+/-0.069 χ^2/NDF:5389346.4/22

Out: 327.451+/-0.070 χ^2/NDF:5526300.4/26

All: 322.061+/-0.049 χ^2/NDF: 10927191.5/49

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: -166.174+/-117.255 χ^2/NDF:4.1/6

Left: 77.246+/-86.101 χ^2/NDF: 35.6/14

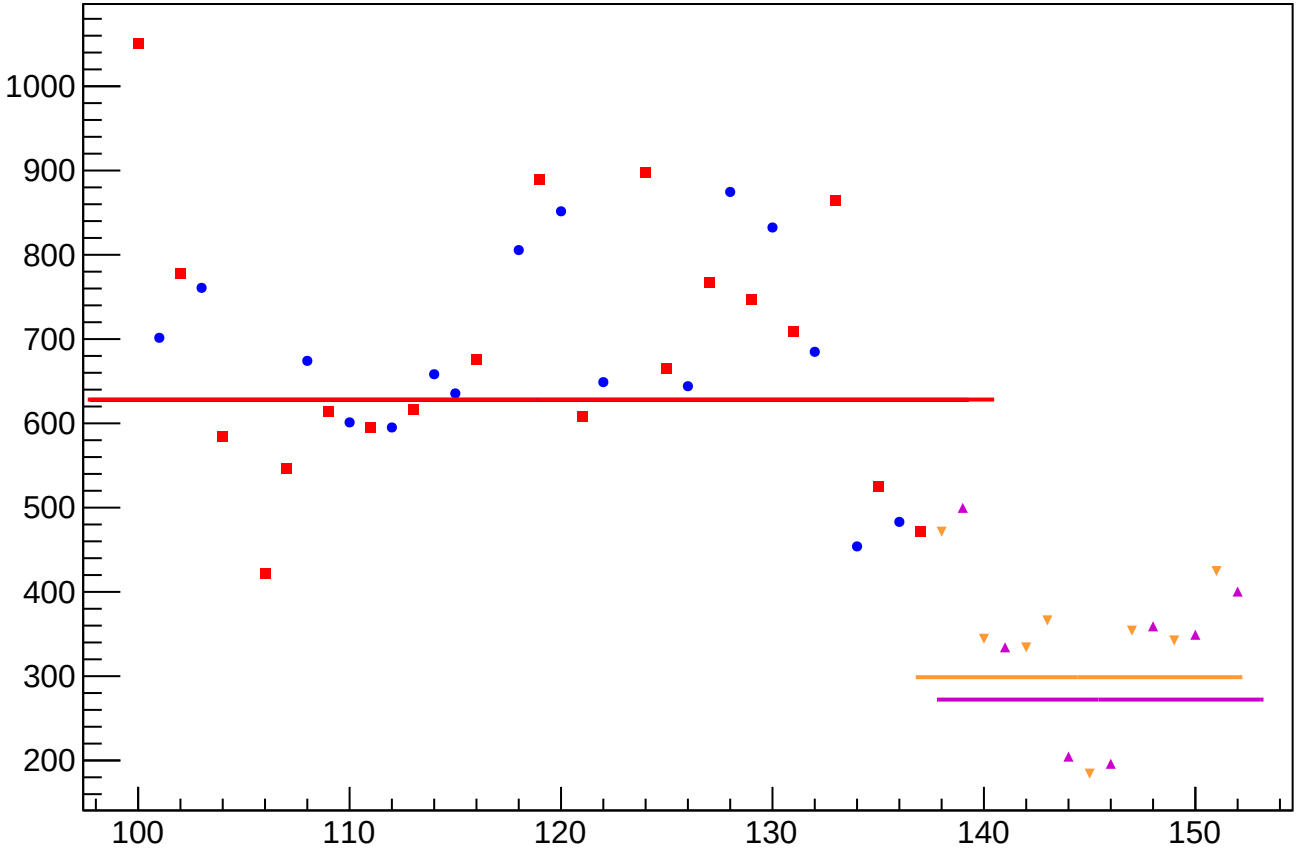
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -64.530+/-105.379 χ^2/NDF:33.1/22

Out: 169.665+/-111.728 χ^2/NDF:45.0/26

All: 45.725+/-76.661 χ^2/NDF: 80.5/49

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: 272.211+/-0.083 χ^2/NDF:1211161.3/6

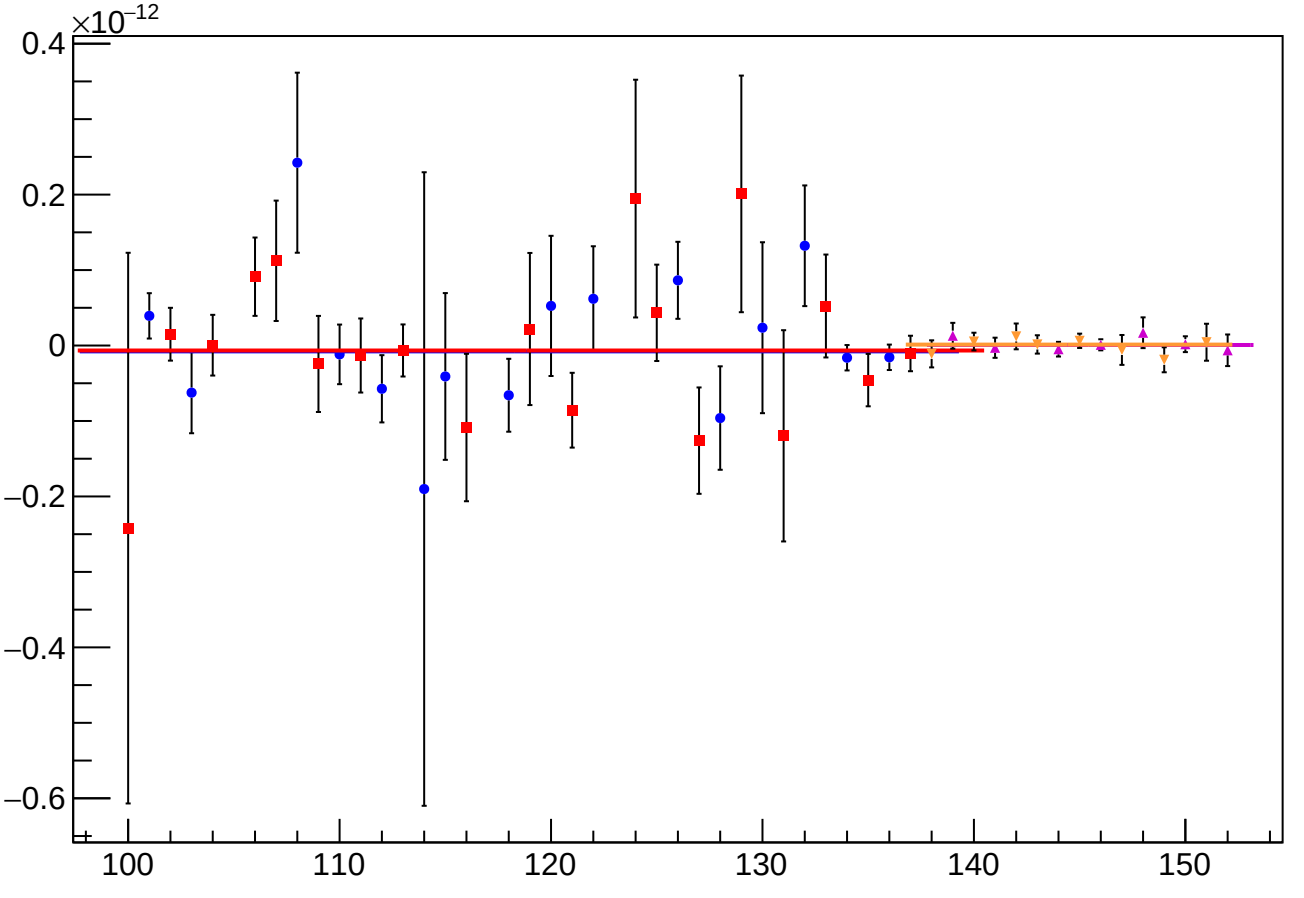
Left: 284.464+/-0.061 χ^2/NDF: 2384287.5/14

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 340.611+/-0.075 χ^2/NDF:5317028.6/22

Out: 372.624+/-0.079 χ^2/NDF:4720076.1/26

All: 355.682+/-0.054 χ^2/NDF: 10123996.3/49



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:1.7/6

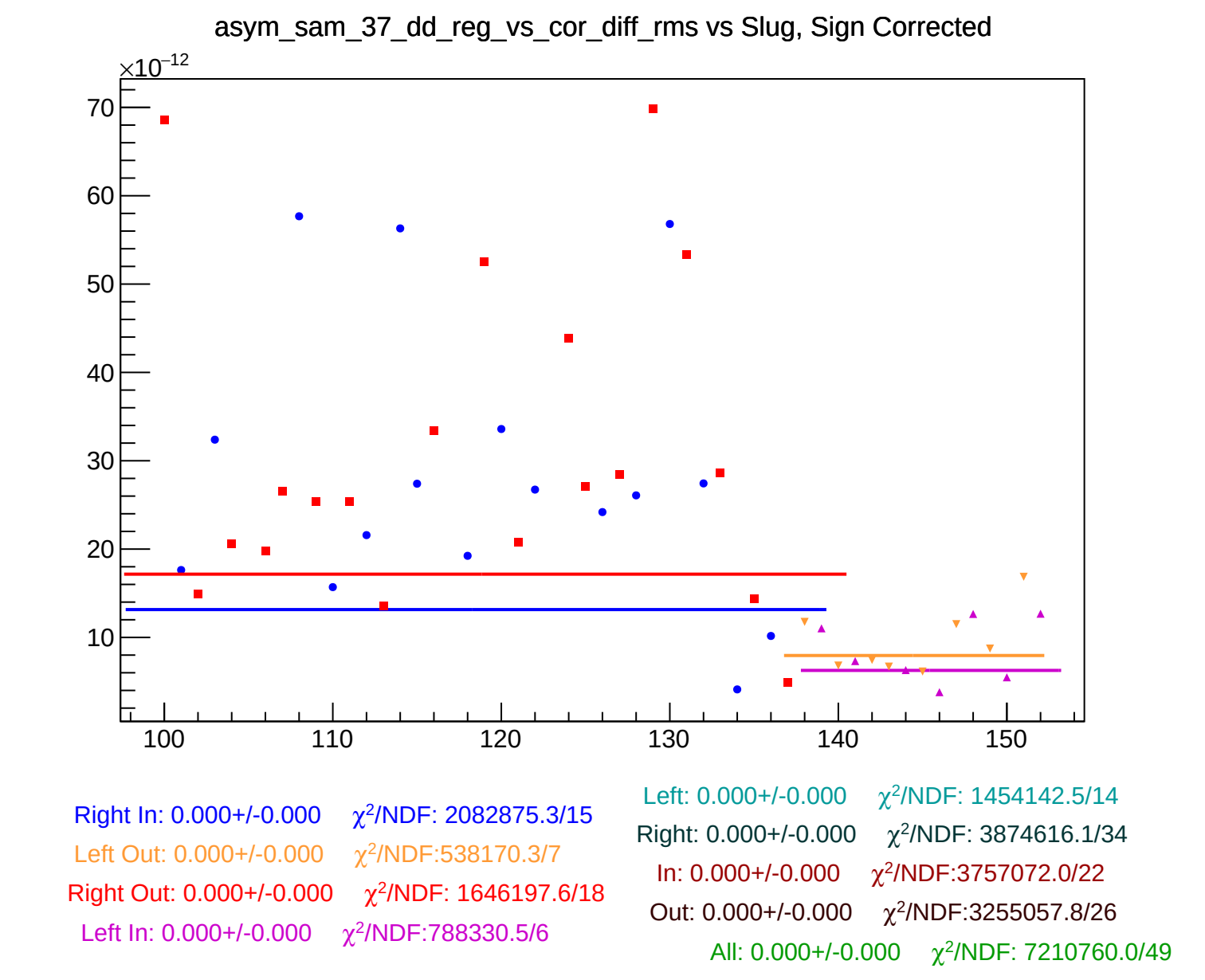
Left: 0.000+/-0.000 χ^2/NDF: 4.6/14

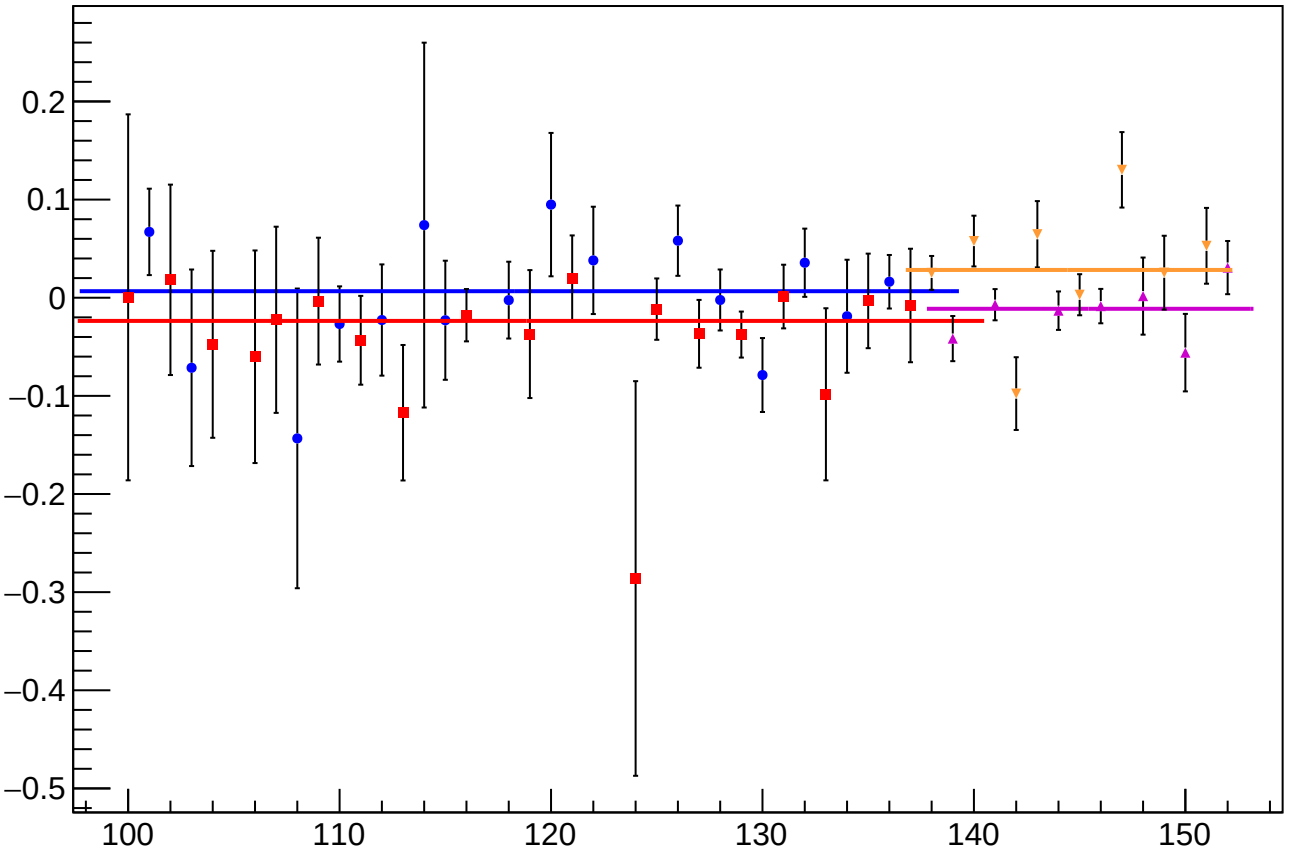
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:23.3/22

Out: -0.000+/-0.000 χ^2/NDF:23.3/26

All: -0.000+/-0.000 χ^2/NDF: 46.6/49


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:788330.5/6
Left: 0.000+/-0.000 χ²/NDF: 1454142.5/14
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3757072.0/22
Out: 0.000+/-0.000 χ²/NDF:3255057.8/26
All: 0.000+/-0.000 χ²/NDF: 7210760.0/49



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: -0.011+/-0.008 χ^2/NDF:5.6/6

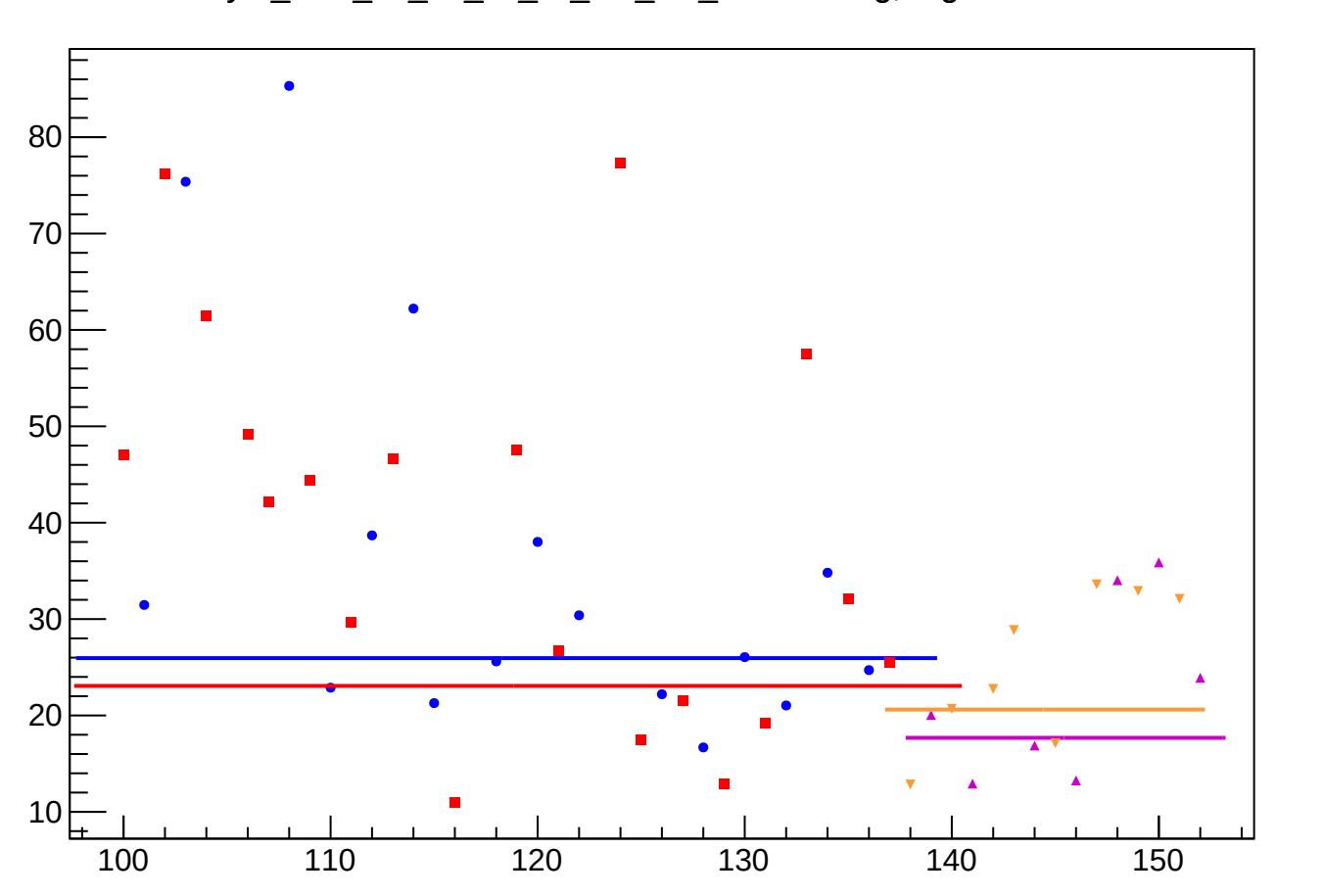
Left: 0.006+/-0.006 χ^2/NDF: 38.2/14

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.005+/-0.007 χ^2/NDF:22.3/22

Out: 0.005+/-0.007 χ^2/NDF:43.8/26

All: -0.000+/-0.005 χ^2/NDF: 67.0/49



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: 17.680+/-0.006 χ^2/NDF:1207277.2/6

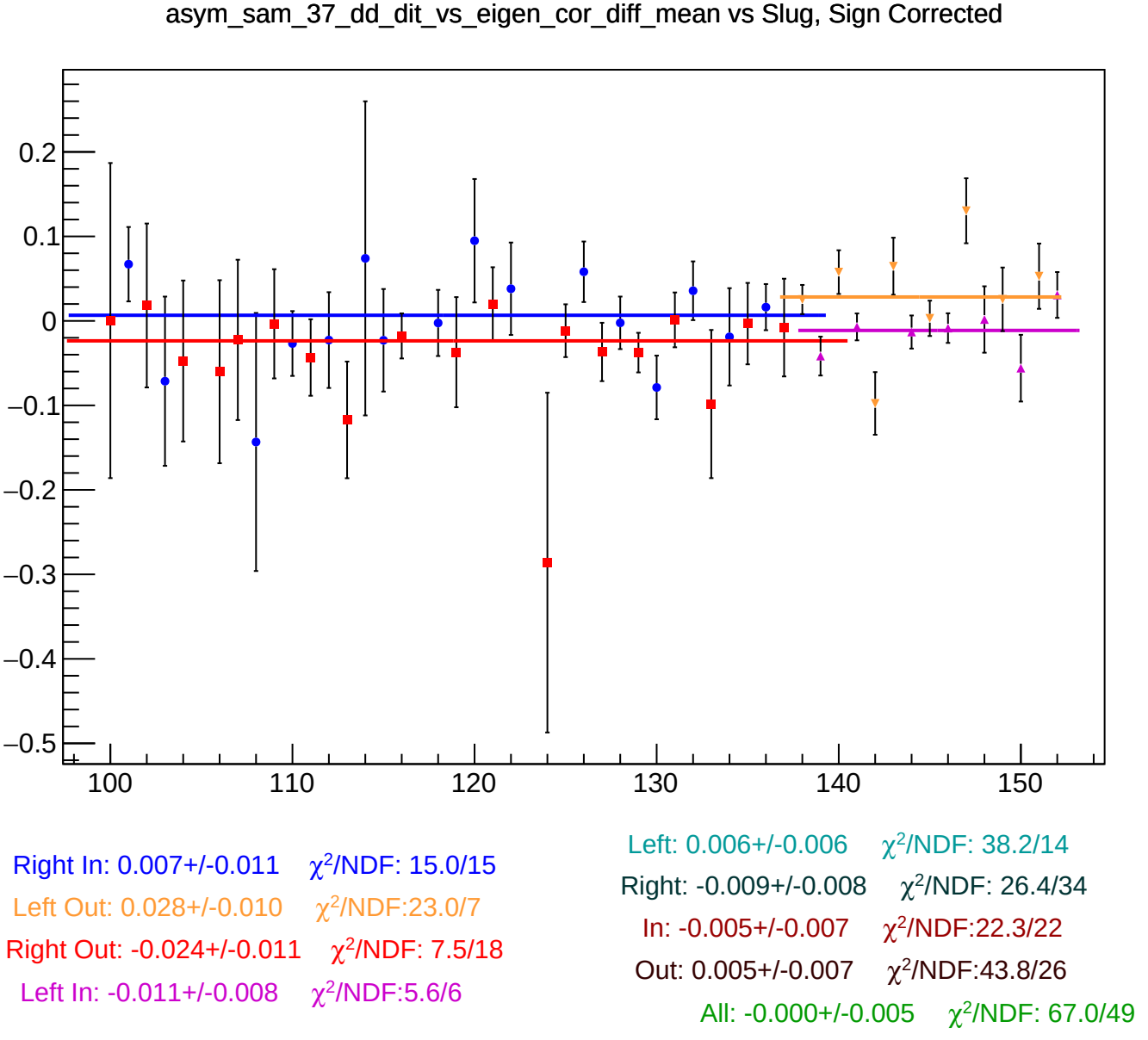
Left: 18.938+/-0.004 χ^2/NDF: 2520159.4/14

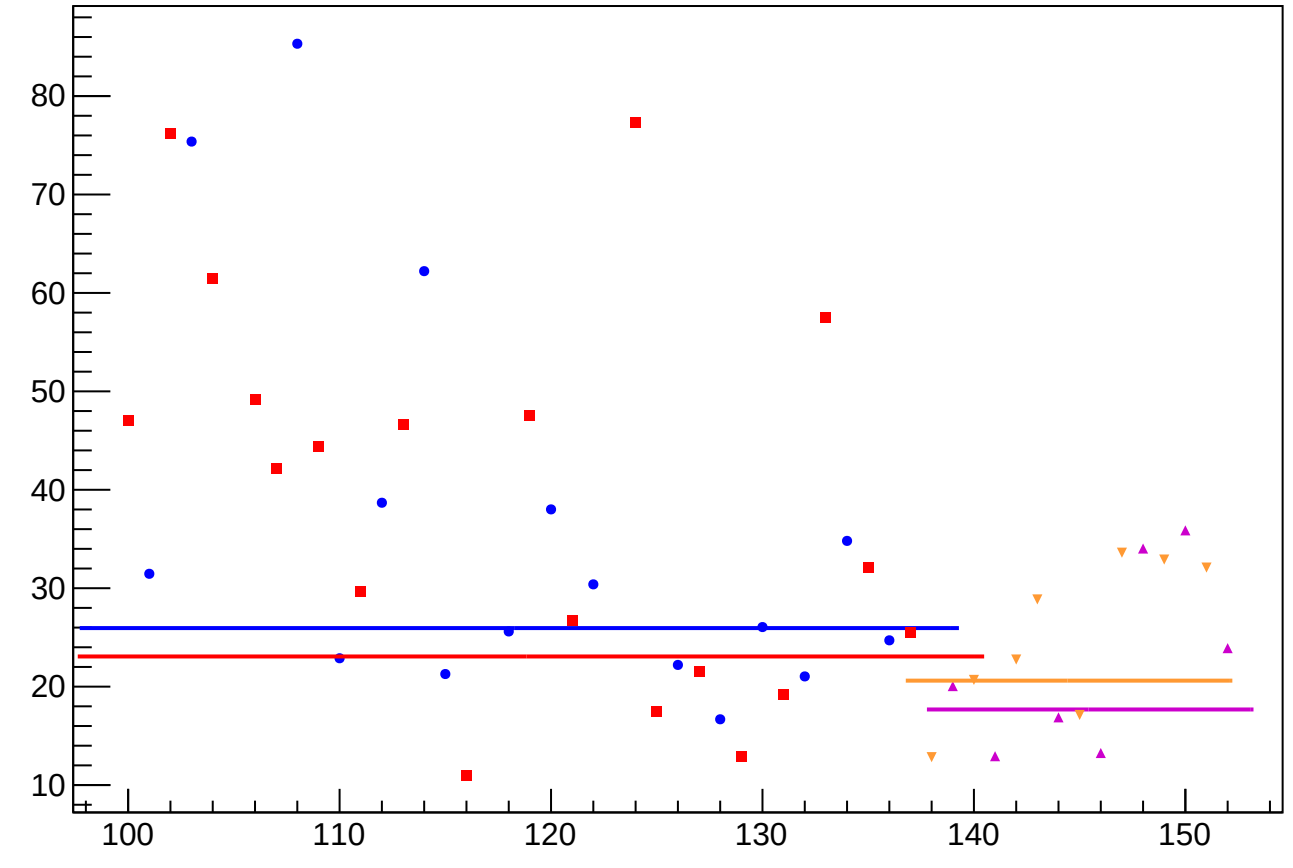
Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 20.667+/-0.005 χ^2/NDF:3298066.0/22

Out: 21.730+/-0.005 χ^2/NDF:4627335.9/26

All: 21.166+/-0.003 χ^2/NDF: 7949270.1/49


asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: 0.007+/-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: -0.011+/-0.008 χ²/NDF:5.6/6
Left: 0.006+/-0.006 χ²/NDF: 38.2/14
Right: -0.009+/-0.008 χ²/NDF: 26.4/34
In: -0.005+/-0.007 χ²/NDF:22.3/22
Out: 0.005+/-0.007 χ²/NDF:43.8/26
All: -0.000+/-0.005 χ²/NDF: 67.0/49



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: 17.680+/-0.006 χ^2/NDF:1207277.2/6

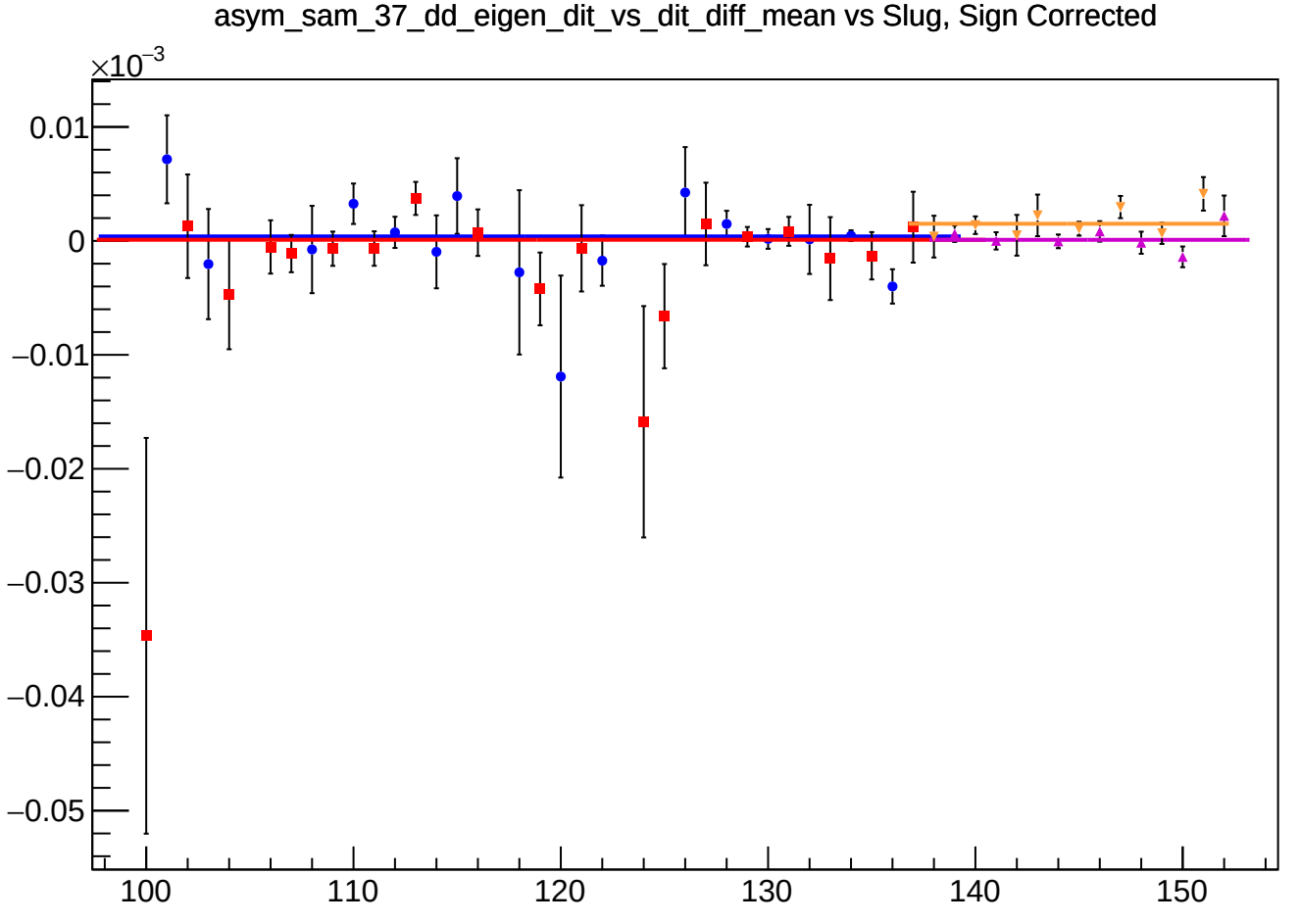
Left: 18.938+/-0.004 χ^2/NDF: 2520159.4/14

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 20.667+/-0.005 χ^2/NDF:3298066.0/22

Out: 21.730+/-0.005 χ^2/NDF:4627335.9/26

All: 21.166+/-0.003 χ^2/NDF: 7949270.1/49



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:5.4/6

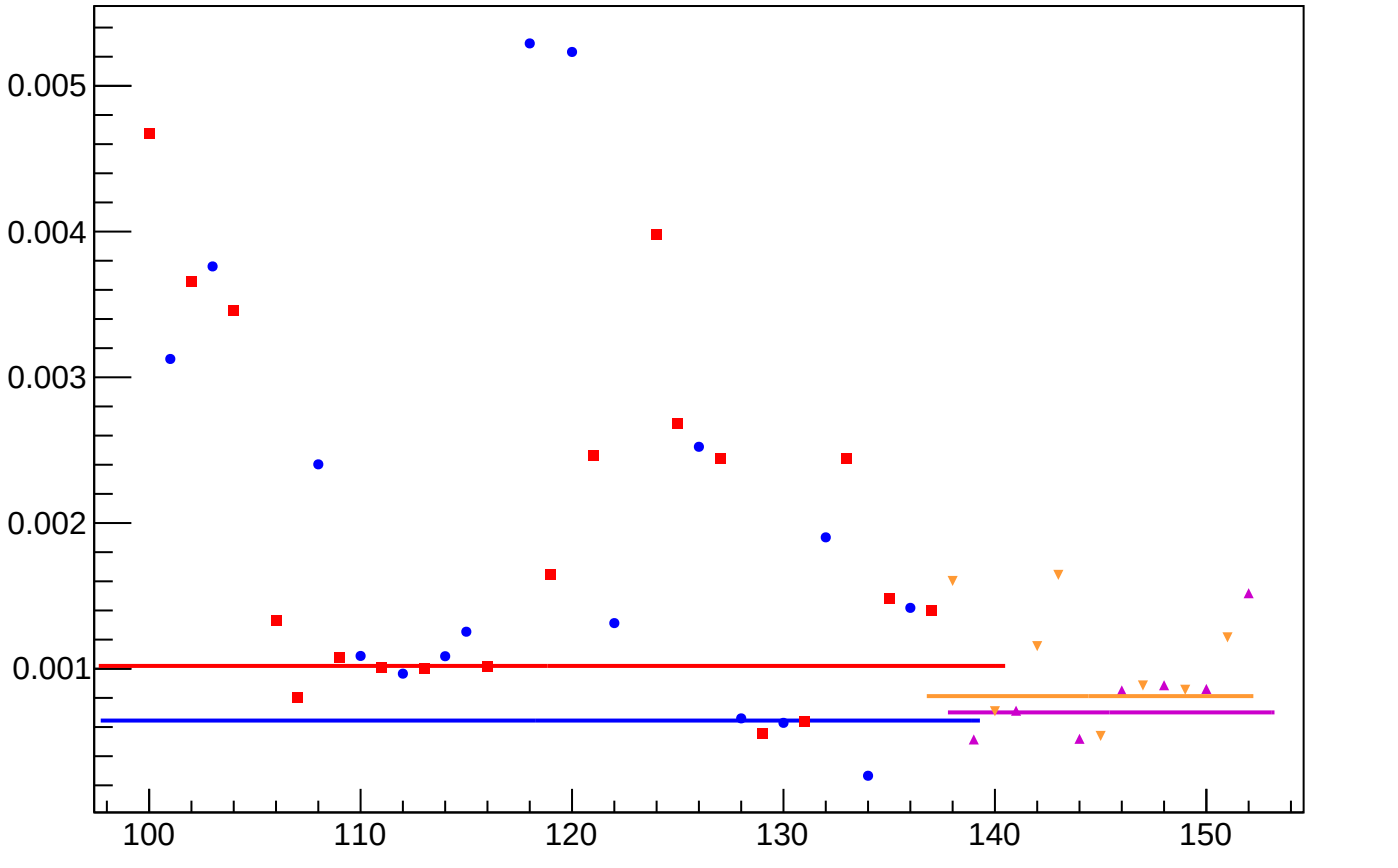
Left: 0.000+/-0.000 χ^2/NDF: 22.0/14

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:26.7/22

Out: 0.000+/-0.000 χ^2/NDF:34.1/26

All: 0.000+/-0.000 χ^2/NDF: 64.9/49



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:928408.9/6

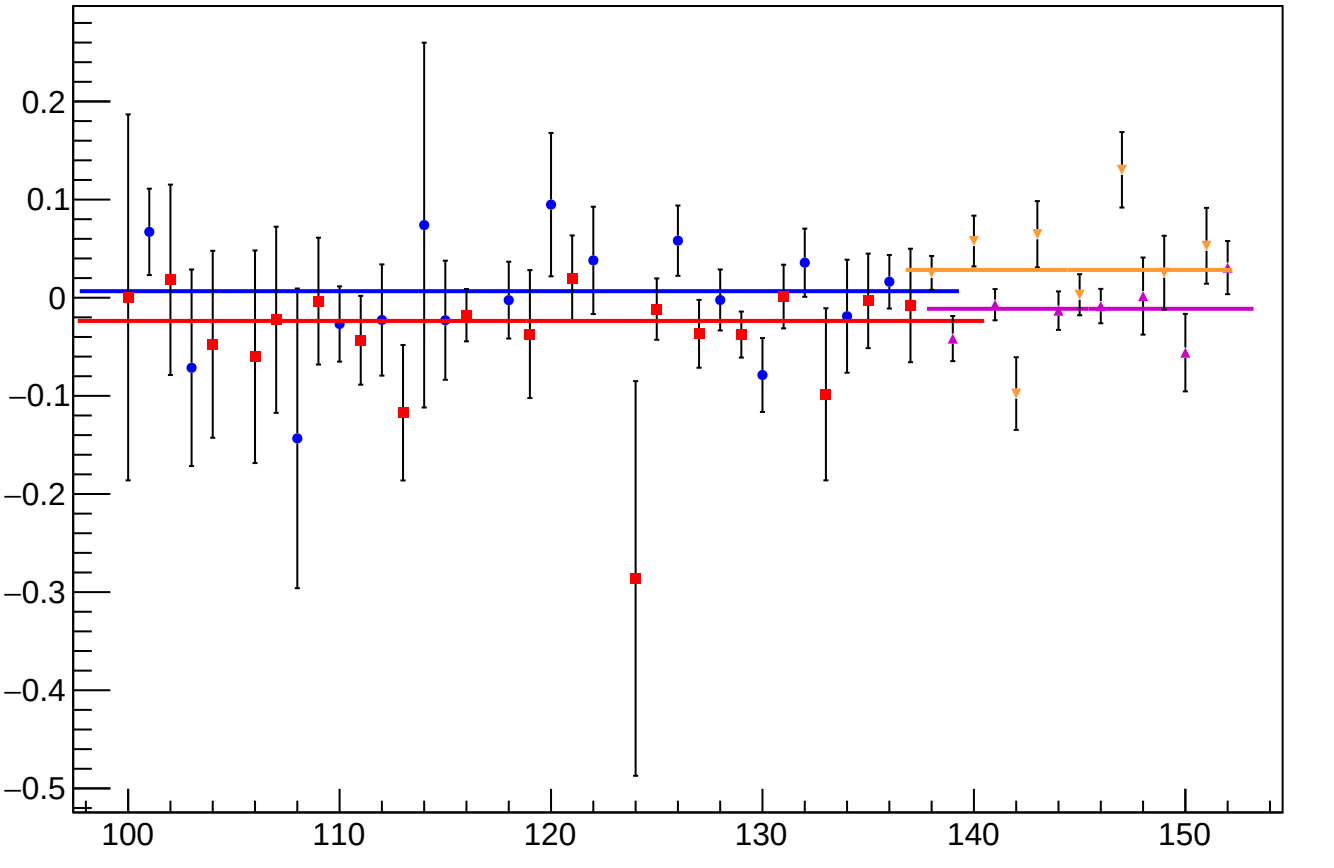
Left: 0.001+/-0.000 χ^2/NDF: 2501487.8/14

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:7533429.0/22

Out: 0.001+/-0.000 χ^2/NDF:5384981.6/26

All: 0.001+/-0.000 χ^2/NDF: 13638569.6/49



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: -0.011+/-0.008 χ^2/NDF:5.6/6

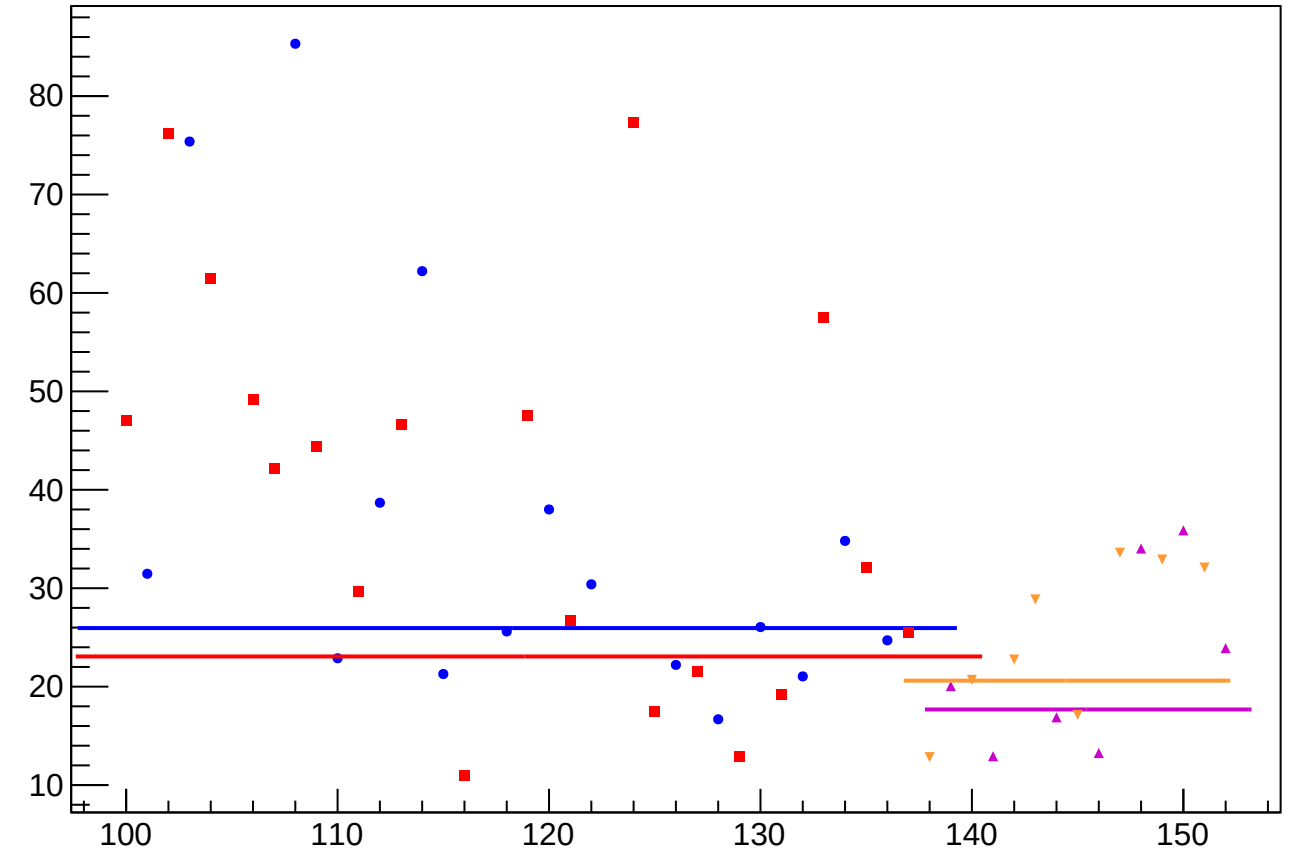
Left: 0.006+/-0.006 χ^2/NDF: 38.2/14

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.005+/-0.007 χ^2/NDF:22.3/22

Out: 0.005+/-0.007 χ^2/NDF:43.8/26

All: -0.000+/-0.005 χ^2/NDF: 67.0/49



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: 17.680+/-0.006 χ^2/NDF:1207327.0/6

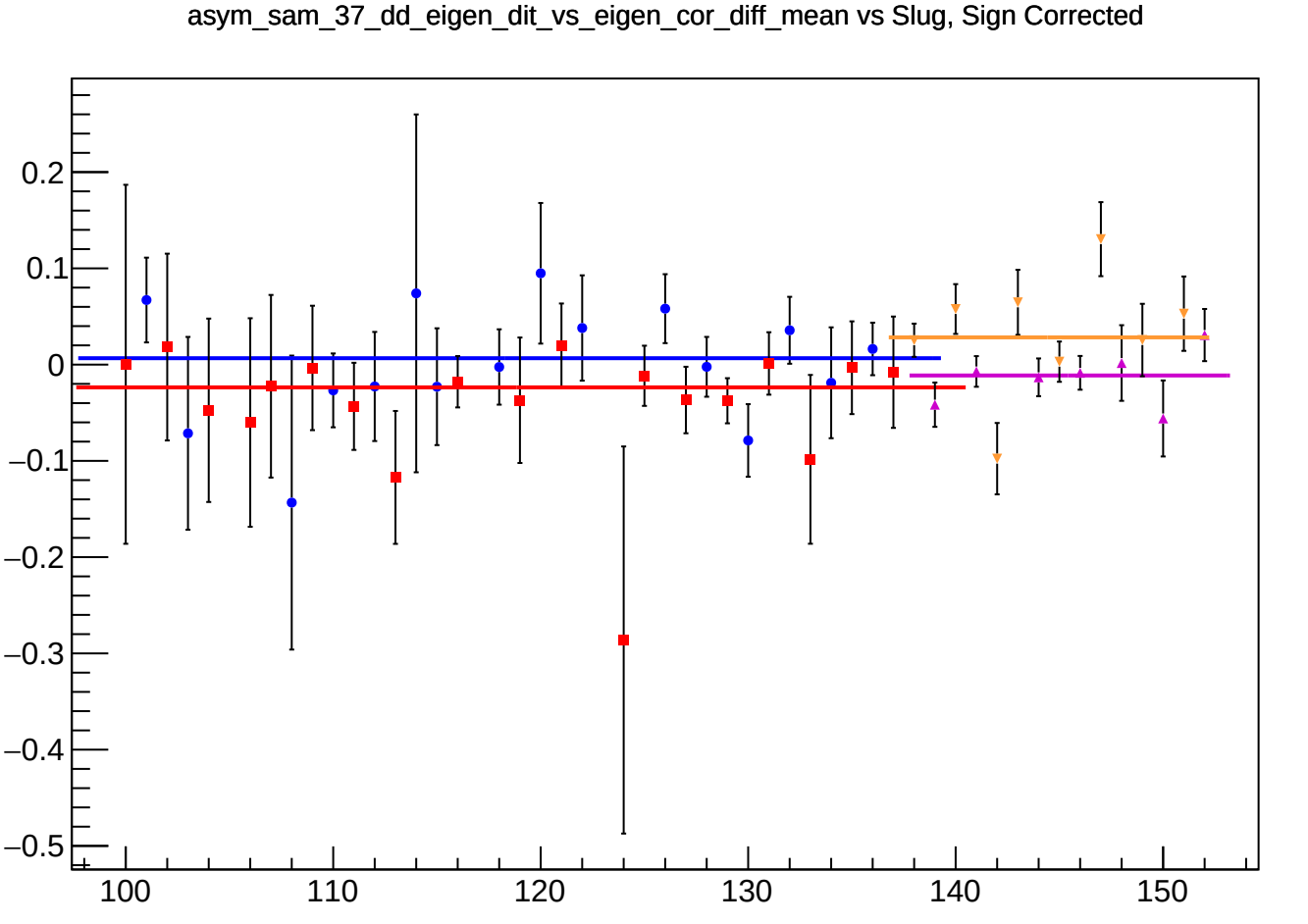
Left: 18.938+/-0.004 χ^2/NDF: 2520274.0/14

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 20.667+/-0.005 χ^2/NDF:3298092.8/22

Out: 21.731+/-0.005 χ^2/NDF:4627209.5/26

All: 21.166+/-0.003 χ^2/NDF: 7949182.7/49



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: -0.011+/-0.008 χ^2/NDF:5.6/6

Left: 0.006+/-0.006 χ^2/NDF: 38.2/14

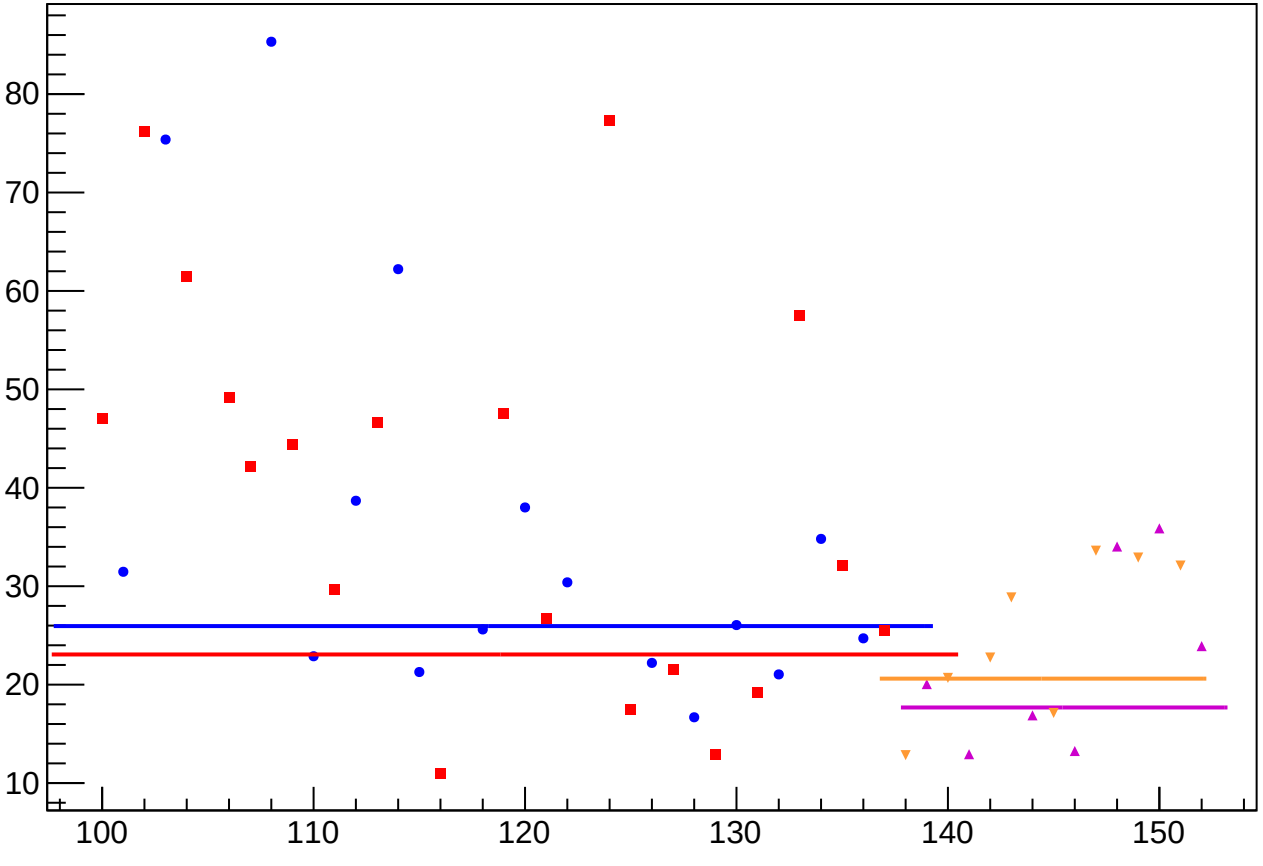
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.005+/-0.007 χ^2/NDF:22.3/22

Out: 0.005+/-0.007 χ^2/NDF:43.8/26

All: -0.000+/-0.005 χ^2/NDF: 67.0/49

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 20.610+/-0.007 χ^2/NDF:1207096.7/7

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 17.680+/-0.006 χ^2/NDF:1207327.0/6

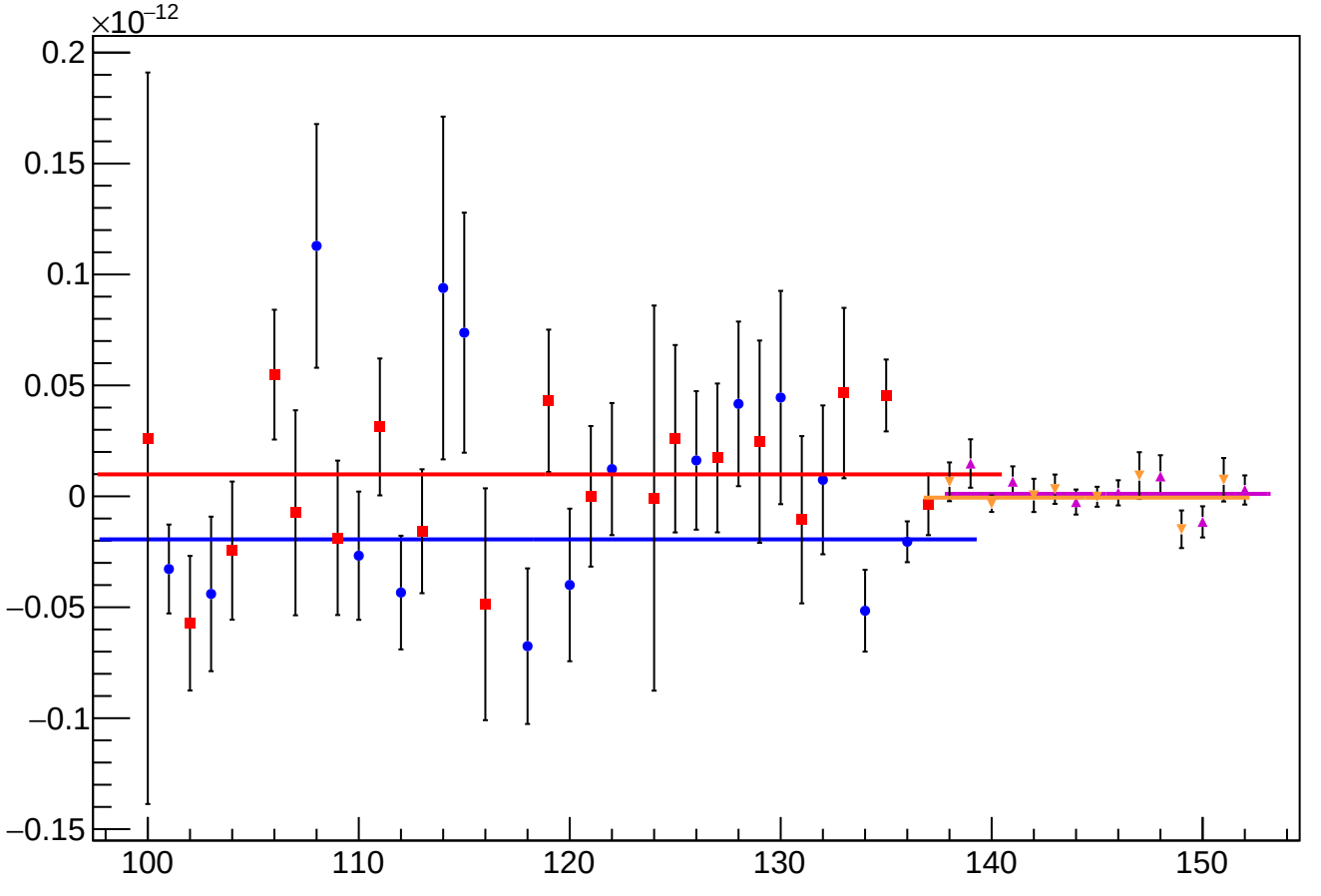
Left: 18.938+/-0.004 χ^2/NDF: 2520274.0/14

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 20.667+/-0.005 χ^2/NDF:3298092.8/22

Out: 21.731+/-0.005 χ^2/NDF:4627209.5/26

All: 21.166+/-0.003 χ^2/NDF: 7949182.7/49



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:6.6/6

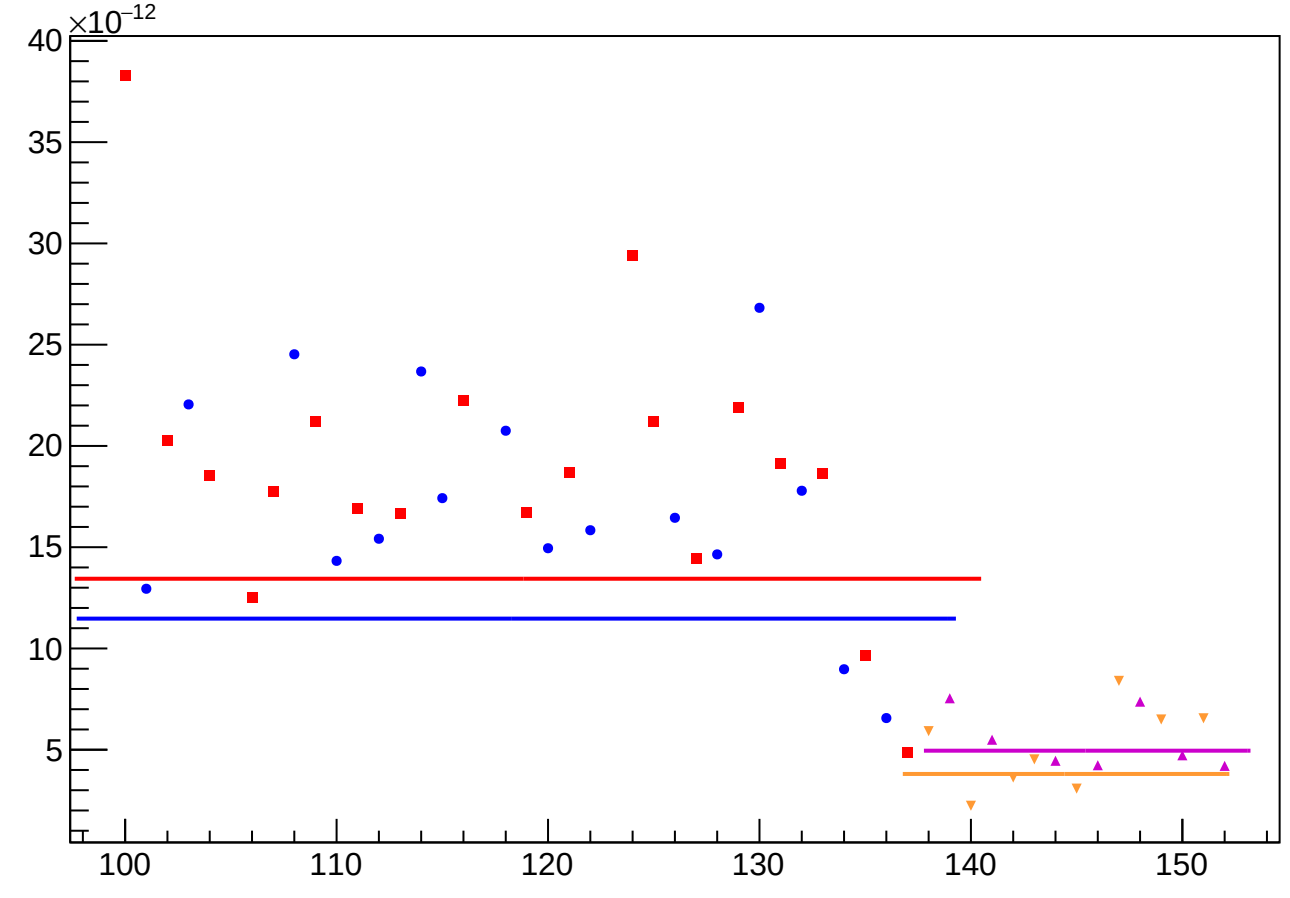
Left: 0.000+/-0.000 χ^2/NDF: 12.8/14

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:42.0/22

Out: 0.000+/-0.000 χ^2/NDF:28.5/26

All: -0.000+/-0.000 χ^2/NDF: 71.1/49



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1286766.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:329799.5/6

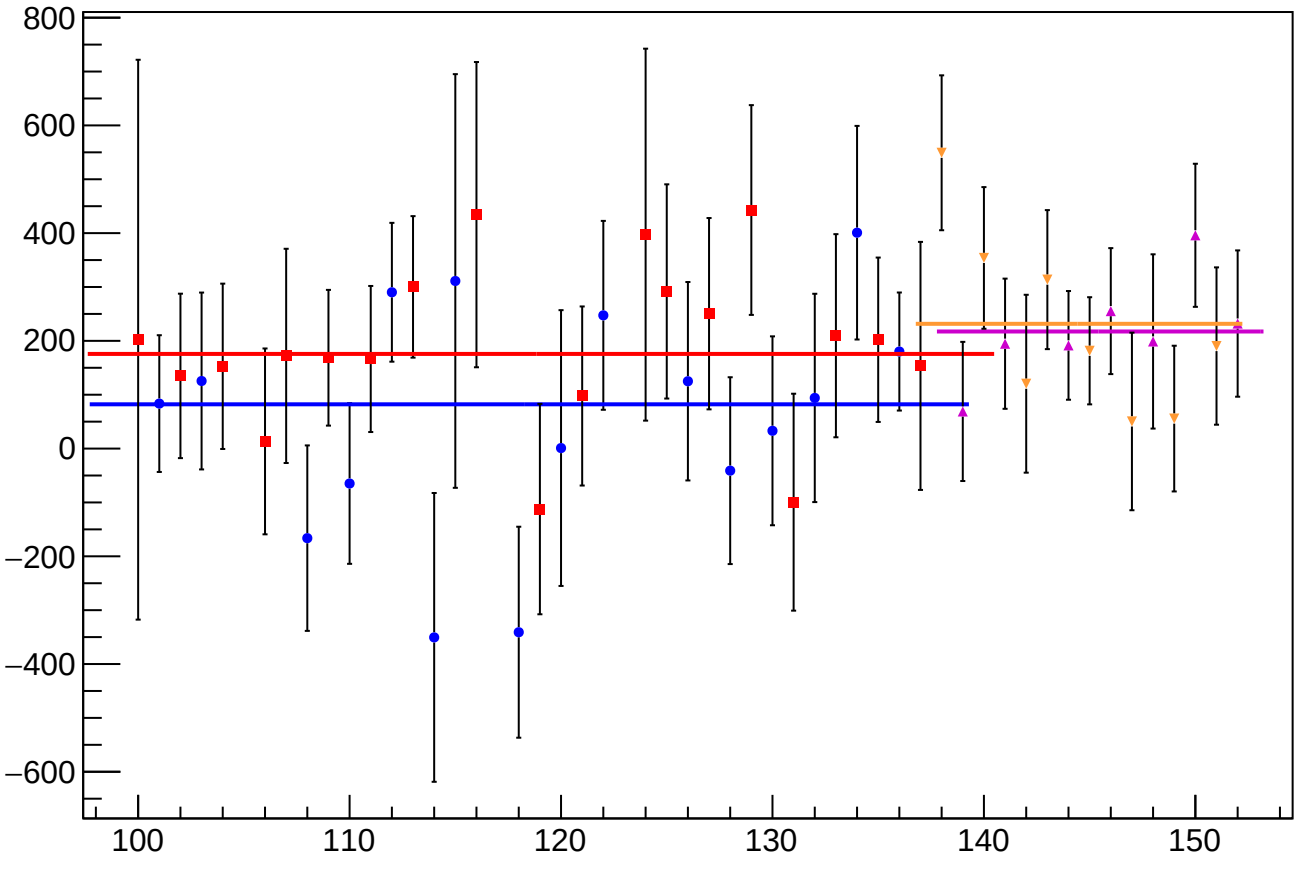
Left: 0.000+/-0.000 χ^2/NDF: 1843478.3/14

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:3896262.1/22

Out: 0.000+/-0.000 χ^2/NDF:6621908.3/26

All: 0.000+/-0.000 χ^2/NDF: 10836626.6/49



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: 217.381+/-47.203 χ^2/NDF:3.4/6

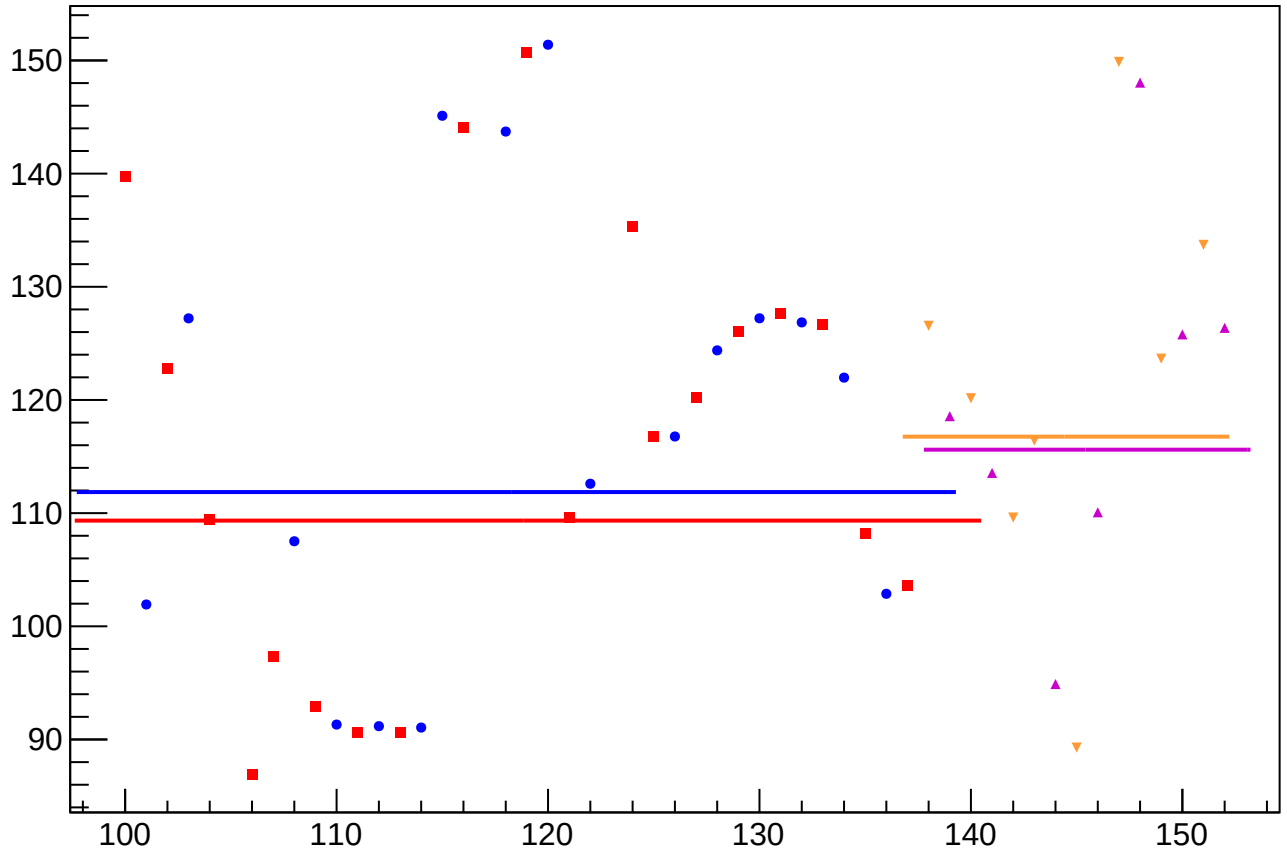
Left: 224.455+/-33.499 χ^2/NDF: 13.2/14

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 142.141+/-31.433 χ^2/NDF:26.3/22

Out: 199.352+/-30.907 χ^2/NDF:20.5/26

All: 171.229+/-22.038 χ^2/NDF: 48.5/49



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: 115.607+/-0.033 χ^2/NDF:195033.5/6

Left: 116.178+/-0.024 χ^2/NDF: 475392.3/14

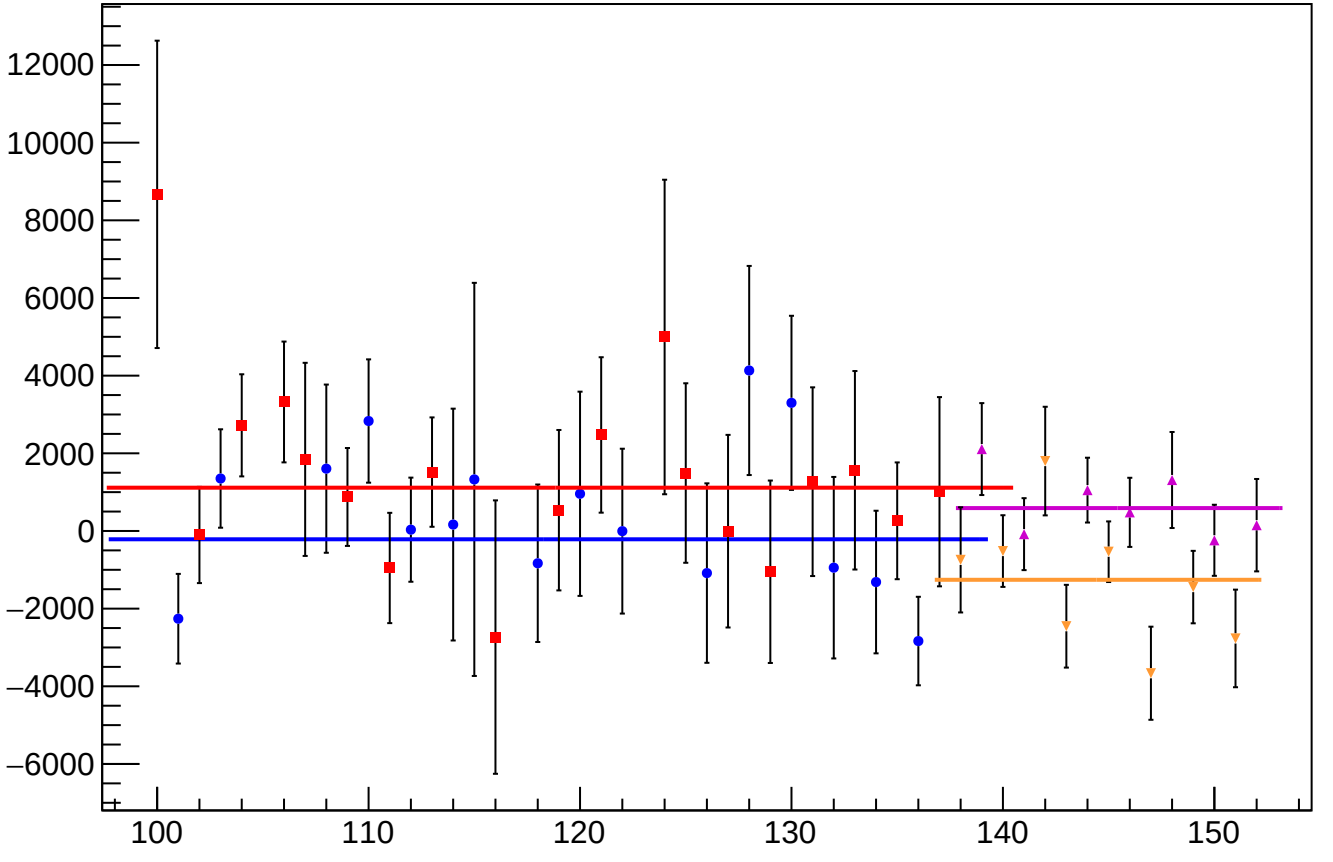
Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 113.523+/-0.022 χ^2/NDF:508062.8/22

Out: 112.475+/-0.022 χ^2/NDF:675099.9/26

All: 112.990+/-0.016 χ^2/NDF: 1184292.4/49

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: 589.426+/-374.468 χ^2/NDF:3.8/6

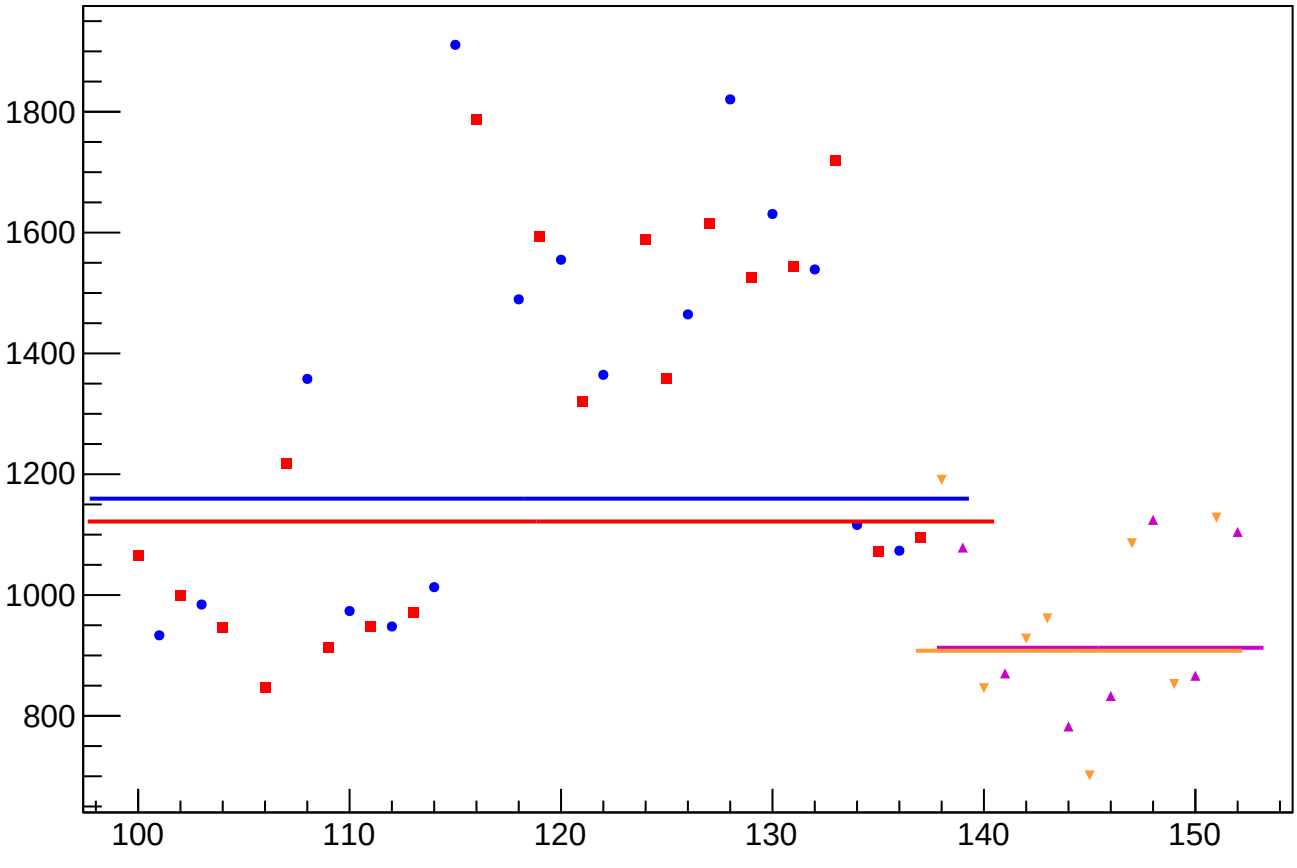
Left: -340.292+/-263.871 χ^2/NDF: 29.2/14

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 255.367+/-286.242 χ^2/NDF:26.2/22

Out: -223.271+/-279.306 χ^2/NDF:45.5/26

All: 10.179+/-199.907 χ^2/NDF: 73.0/49



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: 912.739+/-0.265 χ^2/NDF:224070.4/6

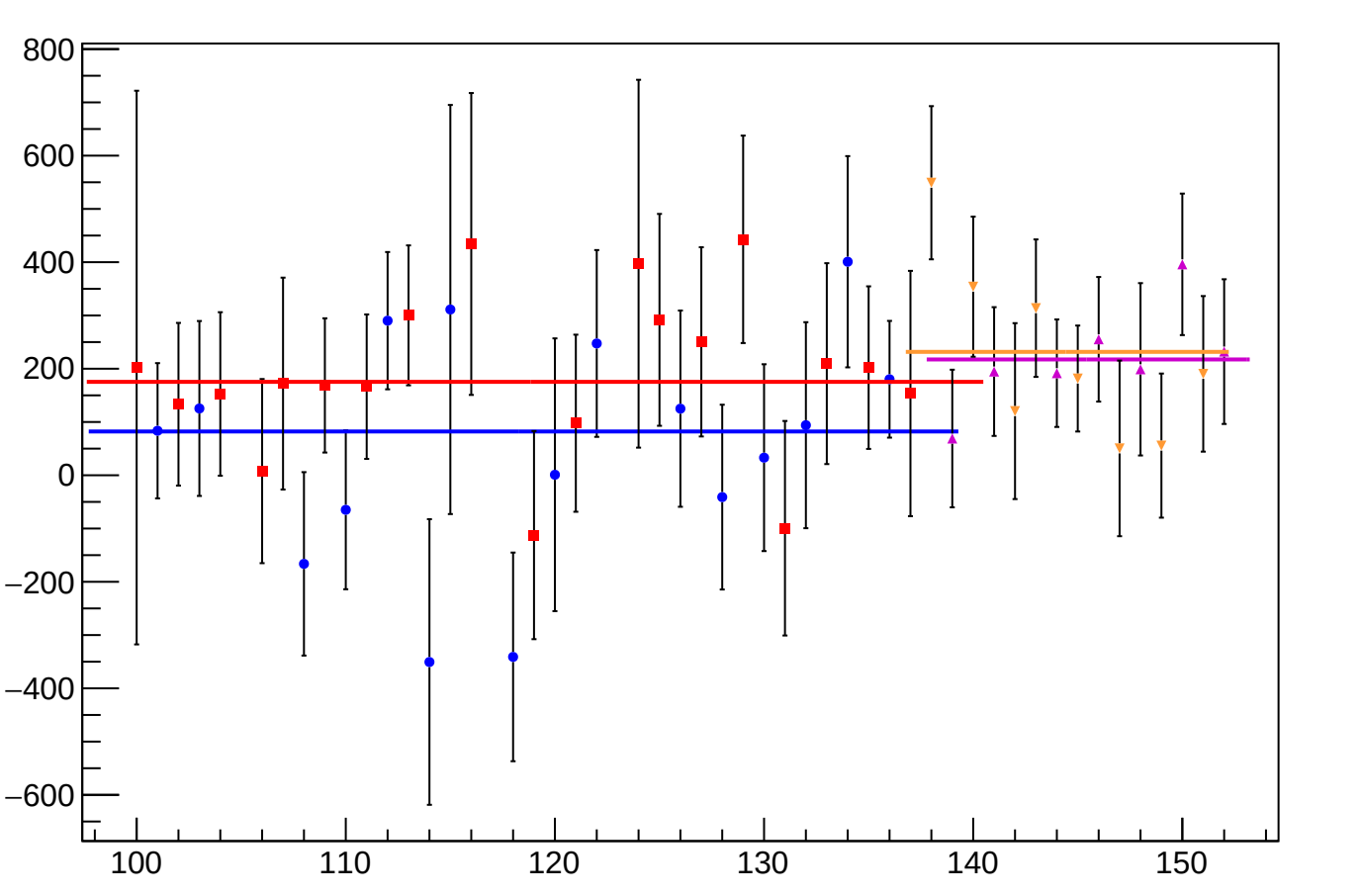
Left: 910.247+/-0.187 χ^2/NDF: 578416.6/14

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1015.344+/-0.202 χ^2/NDF:1268977.7/22

Out: 1001.058+/-0.197 χ^2/NDF:1425040.2/26

All: 1008.026+/-0.141 χ^2/NDF: 2696570.0/49



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: 217.385+/-47.203 χ^2/NDF:3.4/6

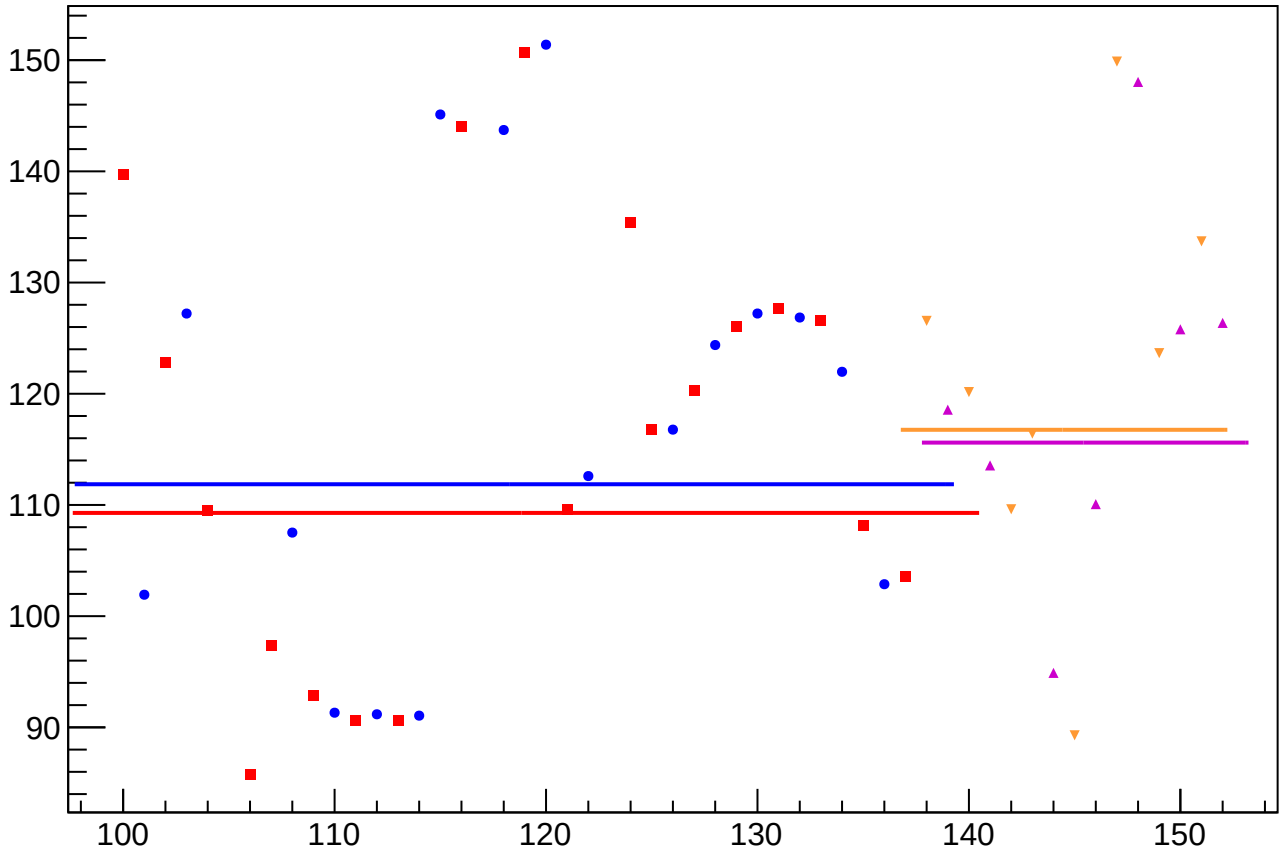
Left: 224.462+/-33.499 χ^2/NDF: 13.2/14

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 142.136+/-31.433 χ^2/NDF:26.3/22

Out: 199.133+/-30.910 χ^2/NDF:20.6/26

All: 171.113+/-22.039 χ^2/NDF: 48.5/49



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: 115.607+/-0.033 χ^2/NDF:195033.5/6

Left: 116.178+/-0.024 χ^2/NDF: 475392.3/14

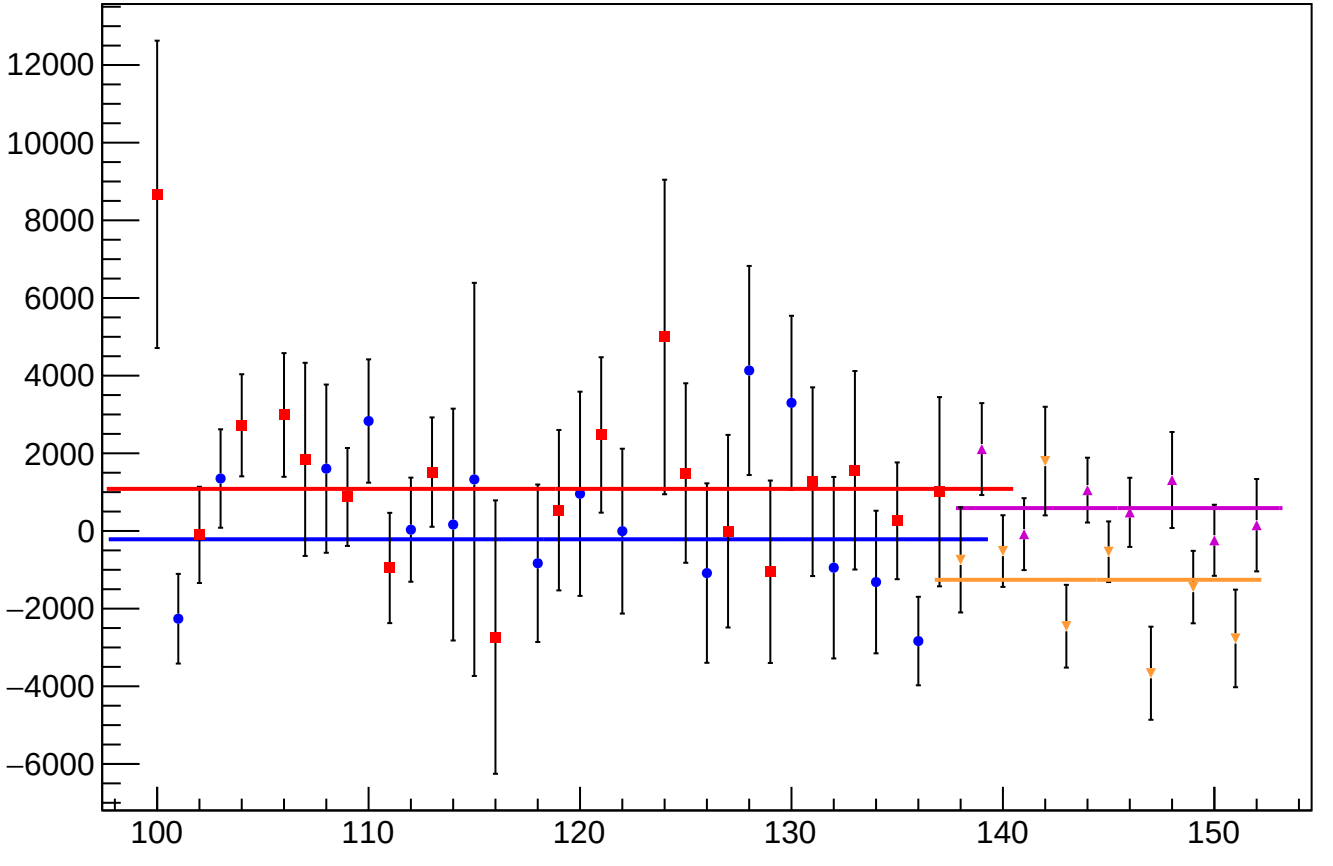
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 113.523+/-0.022 χ^2/NDF:508063.8/22

Out: 112.443+/-0.022 χ^2/NDF:679015.3/26

All: 112.974+/-0.016 χ^2/NDF: 1188278.7/49

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: 589.434+/-374.468 χ^2/NDF:3.8/6

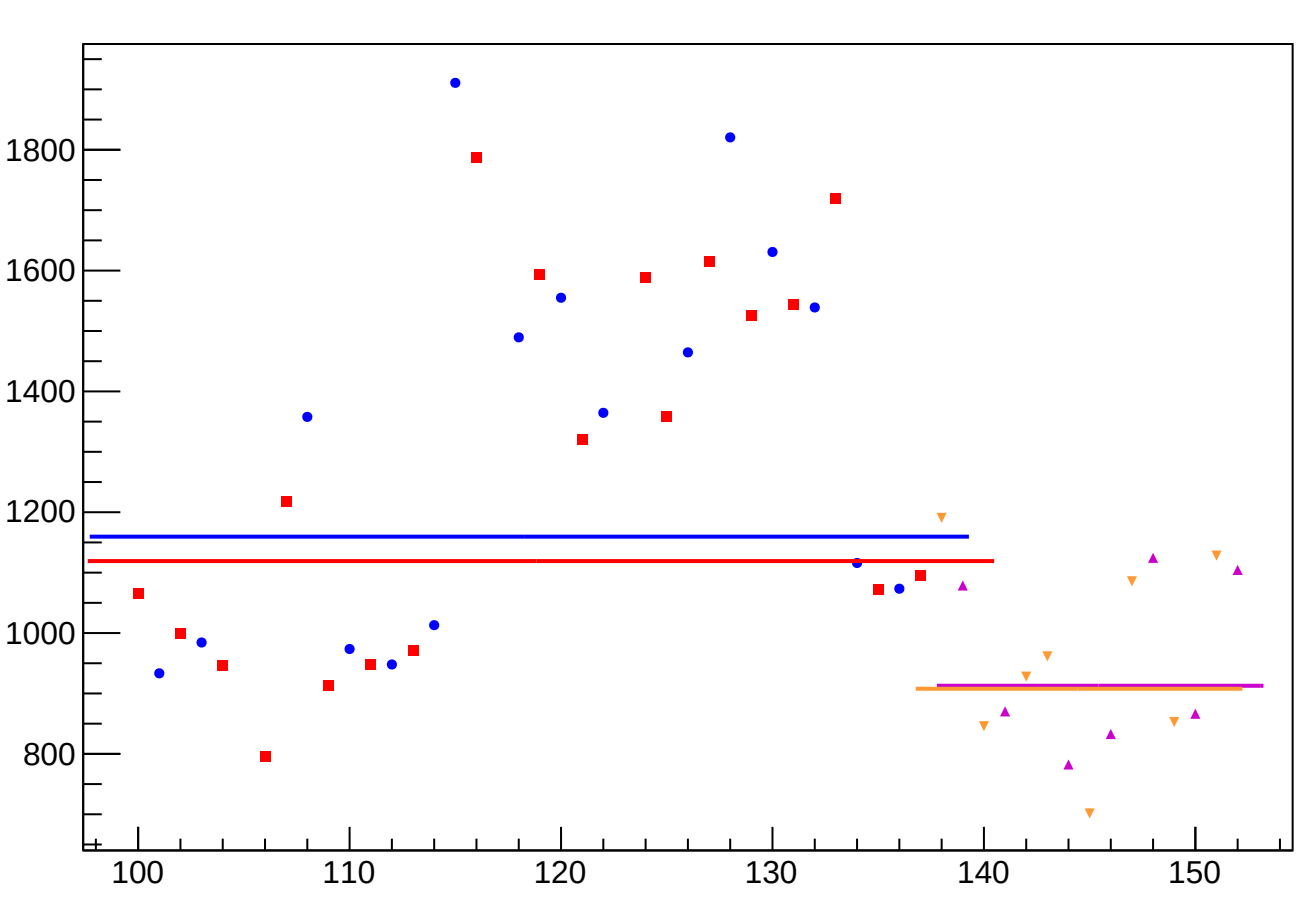
Left: -340.284+/-263.871 χ^2/NDF: 29.2/14

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 255.337+/-286.243 χ^2/NDF:26.2/22

Out: -238.673+/-279.518 χ^2/NDF:44.3/26

All: 2.460+/-199.984 χ^2/NDF: 72.0/49



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: 912.740+/-0.265 χ^2/NDF:224068.6/6

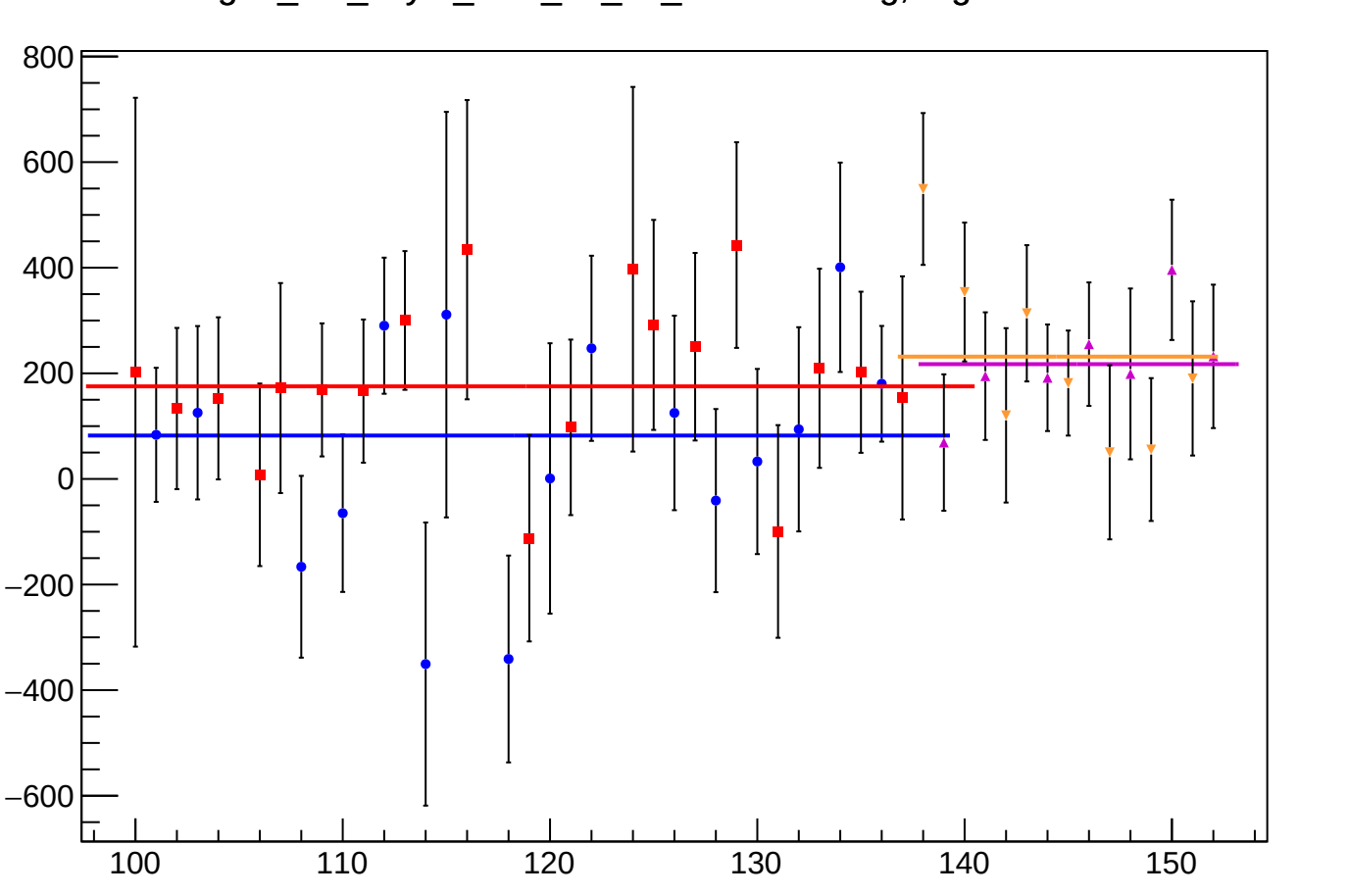
Left: 910.247+/-0.187 χ^2/NDF: 578417.1/14

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1015.348+/-0.202 χ^2/NDF:1268968.6/22

Out: 999.746+/-0.198 χ^2/NDF:1438411.7/26

All: 1007.362+/-0.141 χ^2/NDF: 2710421.8/49



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: 217.385+/-47.203 χ^2/NDF:3.4/6

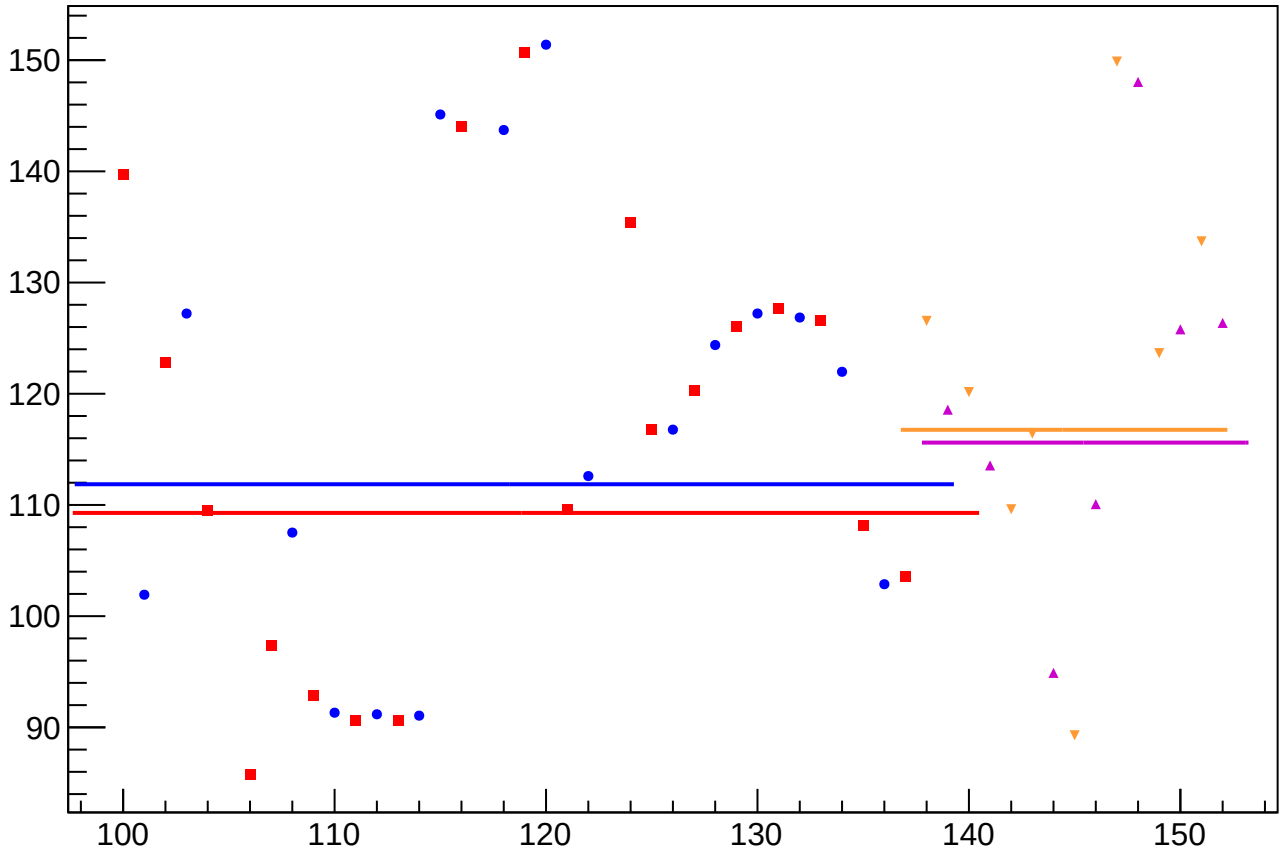
Left: 224.462+/-33.499 χ^2/NDF: 13.2/14

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 142.136+/-31.433 χ^2/NDF:26.3/22

Out: 199.133+/-30.910 χ^2/NDF:20.6/26

All: 171.113+/-22.039 χ^2/NDF: 48.5/49



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: 115.607+/-0.033 χ^2/NDF:195033.5/6

Left: 116.178+/-0.024 χ^2/NDF: 475392.3/14

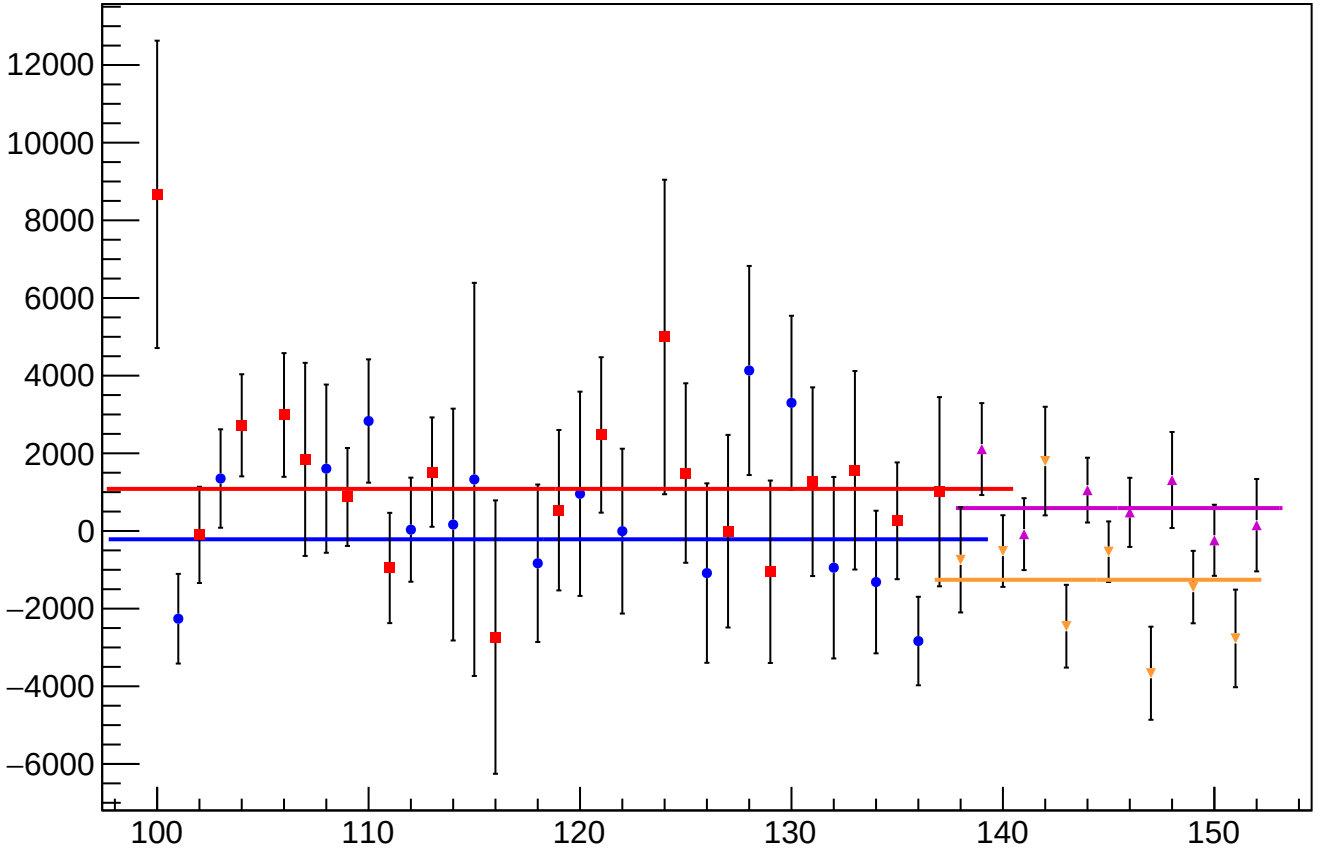
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 113.523+/-0.022 χ^2/NDF:508063.8/22

Out: 112.443+/-0.022 χ^2/NDF:679015.3/26

All: 112.974+/-0.016 χ^2/NDF: 1188278.7/49

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: 589.434+/-374.468 χ^2/NDF:3.8/6

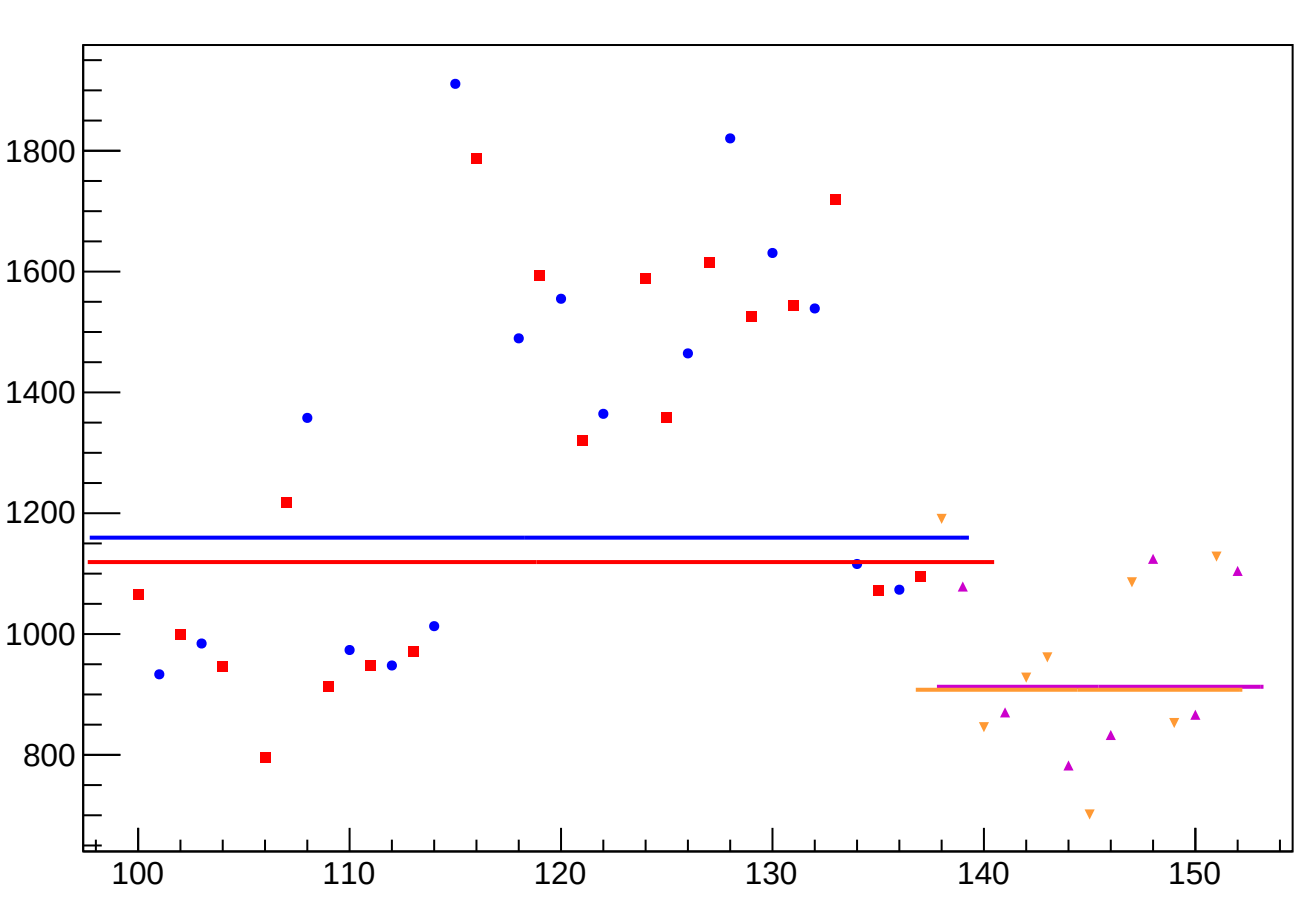
Left: -340.284+/-263.871 χ^2/NDF: 29.2/14

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 255.337+/-286.243 χ^2/NDF:26.2/22

Out: -238.673+/-279.518 χ^2/NDF:44.3/26

All: 2.460+/-199.984 χ^2/NDF: 72.0/49



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: 912.740+/-0.265 χ^2/NDF:224068.6/6

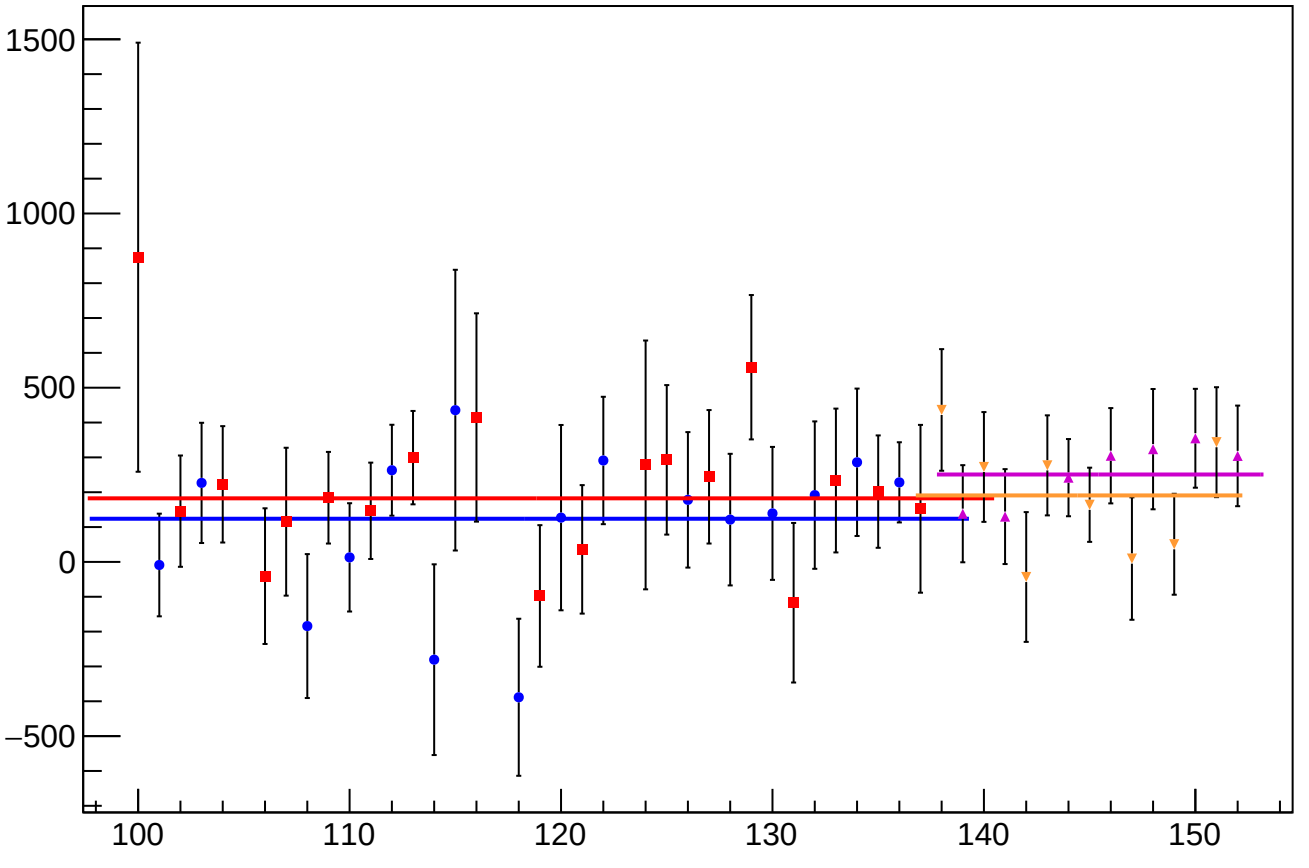
Left: 910.247+/-0.187 χ^2/NDF: 578417.1/14

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1015.348+/-0.202 χ^2/NDF:1268968.6/22

Out: 999.746+/-0.198 χ^2/NDF:1438411.7/26

All: 1007.362+/-0.141 χ^2/NDF: 2710421.8/49



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: 250.898+/-51.886 χ^2/NDF:2.5/6

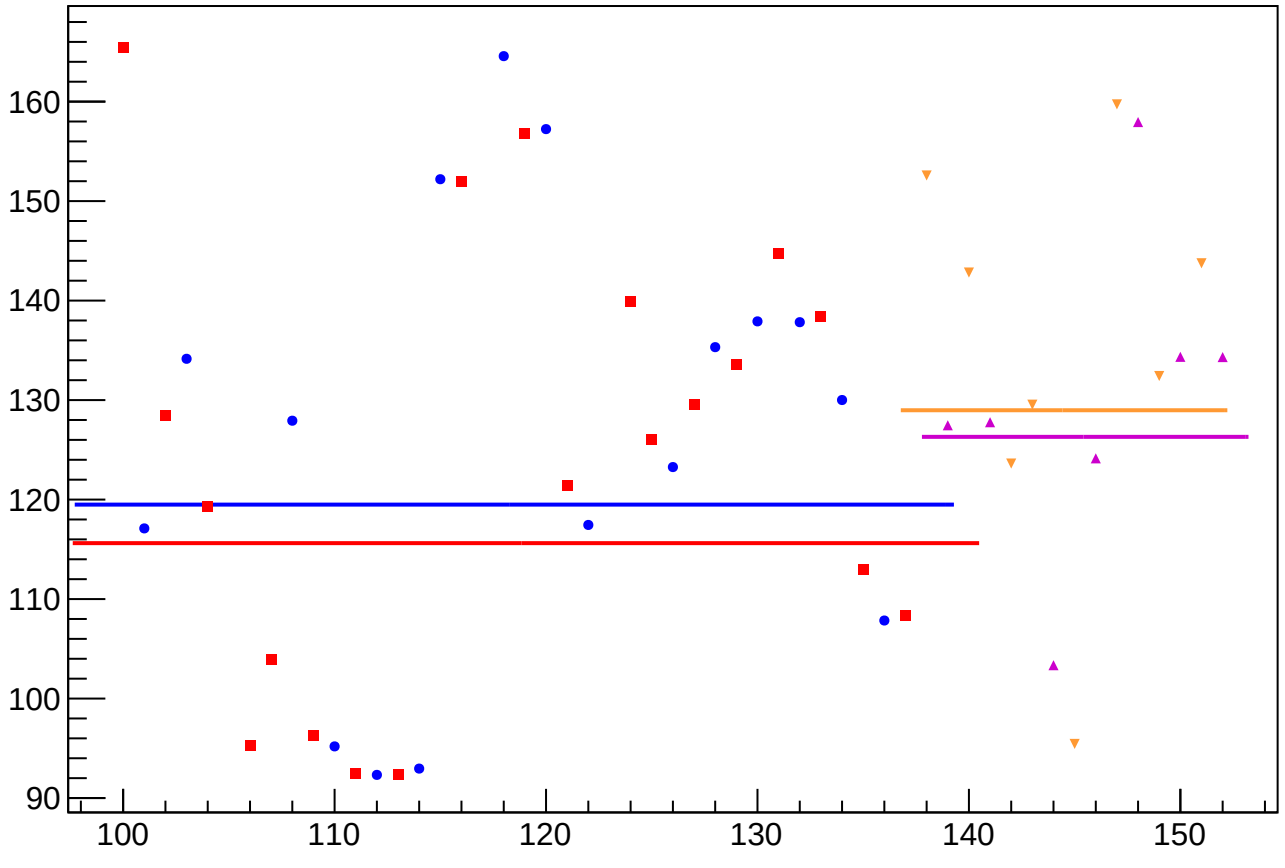
Left: 221.379+/-37.003 χ^2/NDF: 10.3/14

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 178.743+/-34.098 χ^2/NDF:21.3/22

Out: 185.823+/-33.442 χ^2/NDF:19.5/26

All: 182.352+/-23.876 χ^2/NDF: 40.8/49



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: 126.306+/-0.037 χ^2/NDF:166456.1/6

Left: 127.619+/-0.026 χ^2/NDF: 501119.8/14

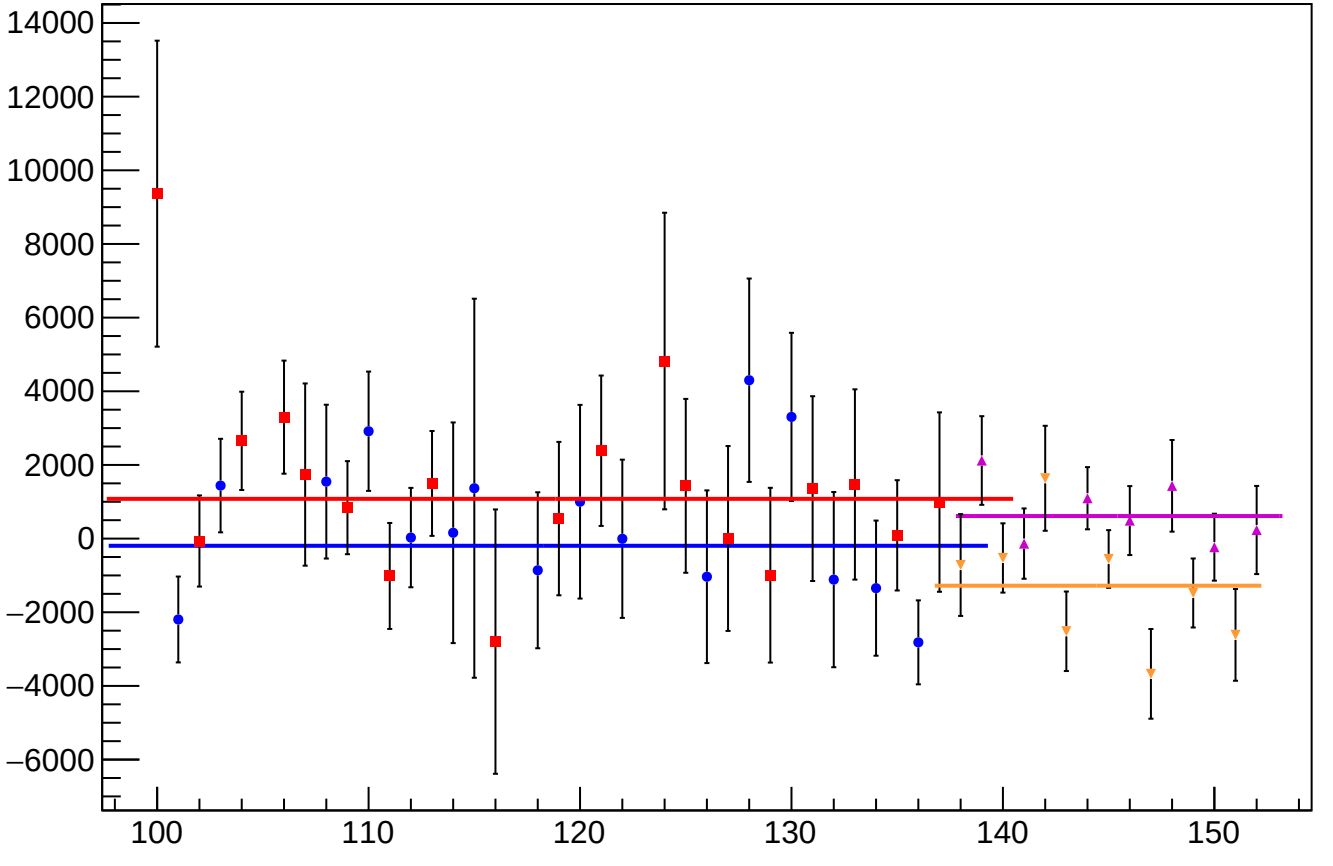
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 122.436+/-0.024 χ^2/NDF:566286.8/22

Out: 120.983+/-0.024 χ^2/NDF:835676.1/26

All: 121.696+/-0.017 χ^2/NDF: 1403813.8/49

asym_sam_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1278.511+/-375.481 χ^2/NDF:12.2/7

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 612.473+/-381.078 χ^2/NDF:3.9/6

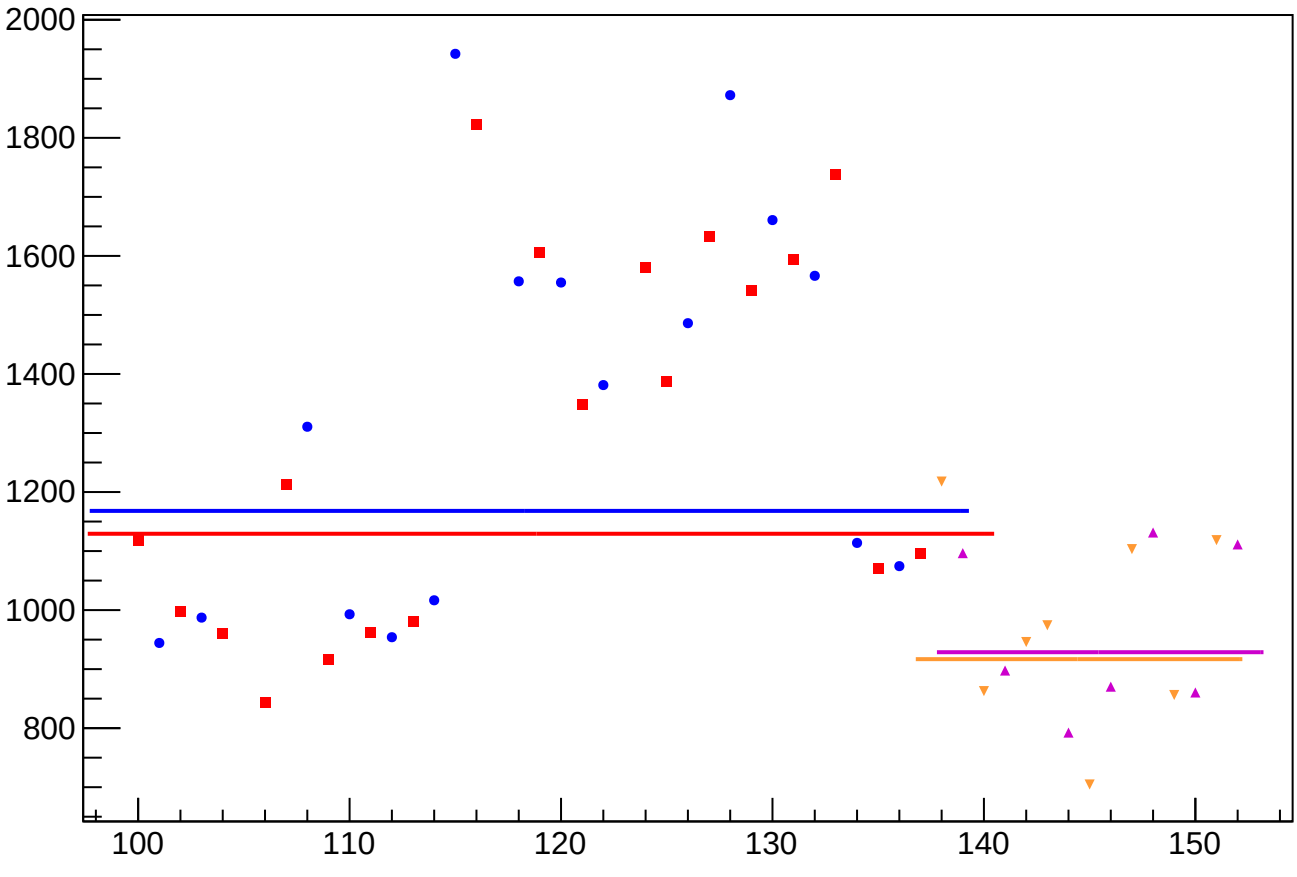
Left: -347.007+/-267.462 χ^2/NDF: 28.6/14

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 272.871+/-290.088 χ^2/NDF:26.2/22

Out: -247.458+/-281.667 χ^2/NDF:44.0/26

All: 5.045+/-202.080 χ^2/NDF: 71.9/49



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: 928.667+/-0.269 χ^2/NDF:211723.4/6

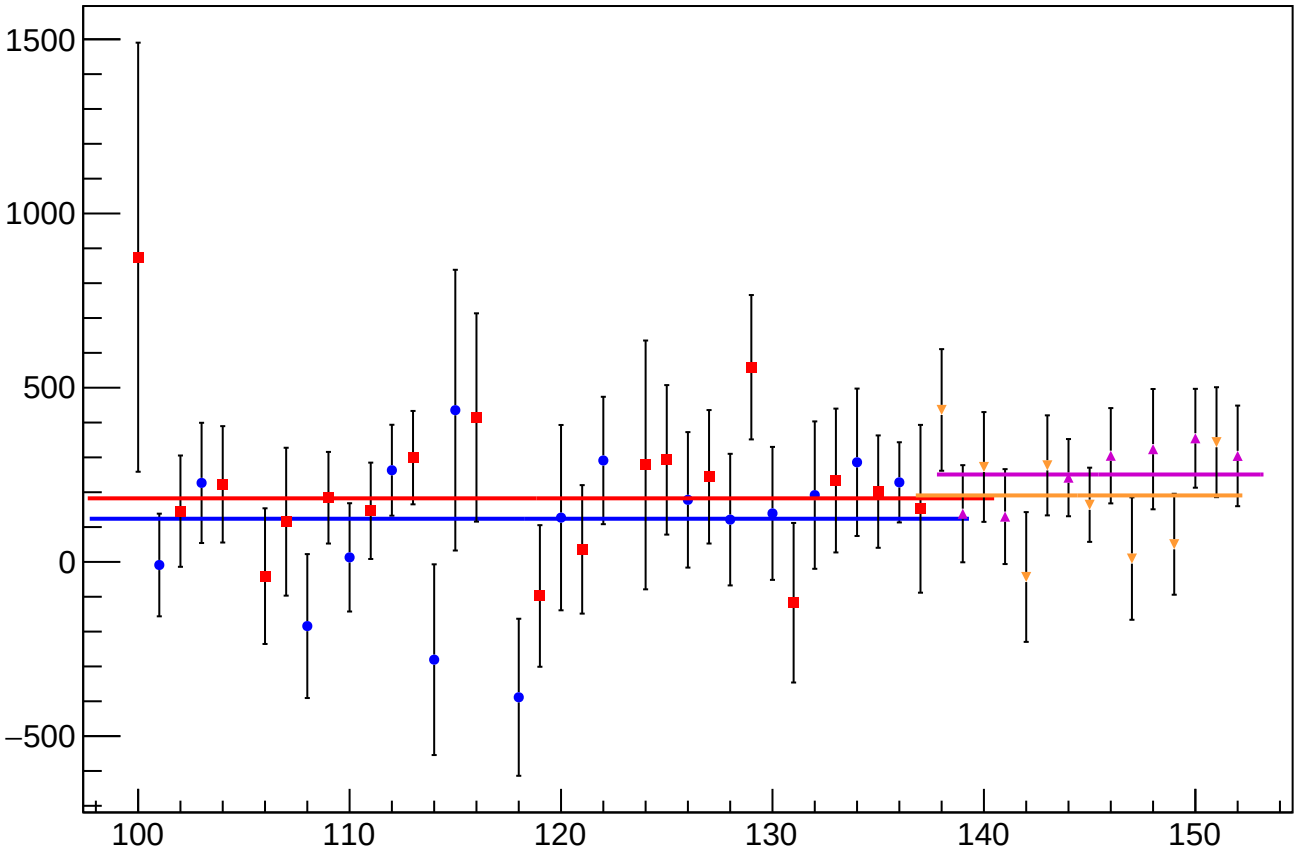
Left: 922.697+/-0.189 χ^2/NDF: 575107.7/14

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1029.340+/-0.205 χ^2/NDF:1253004.7/22

Out: 1009.785+/-0.199 χ^2/NDF:1449524.4/26

All: 1019.275+/-0.143 χ^2/NDF: 2707207.1/49



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: 250.900+/-51.886 χ^2/NDF:2.5/6

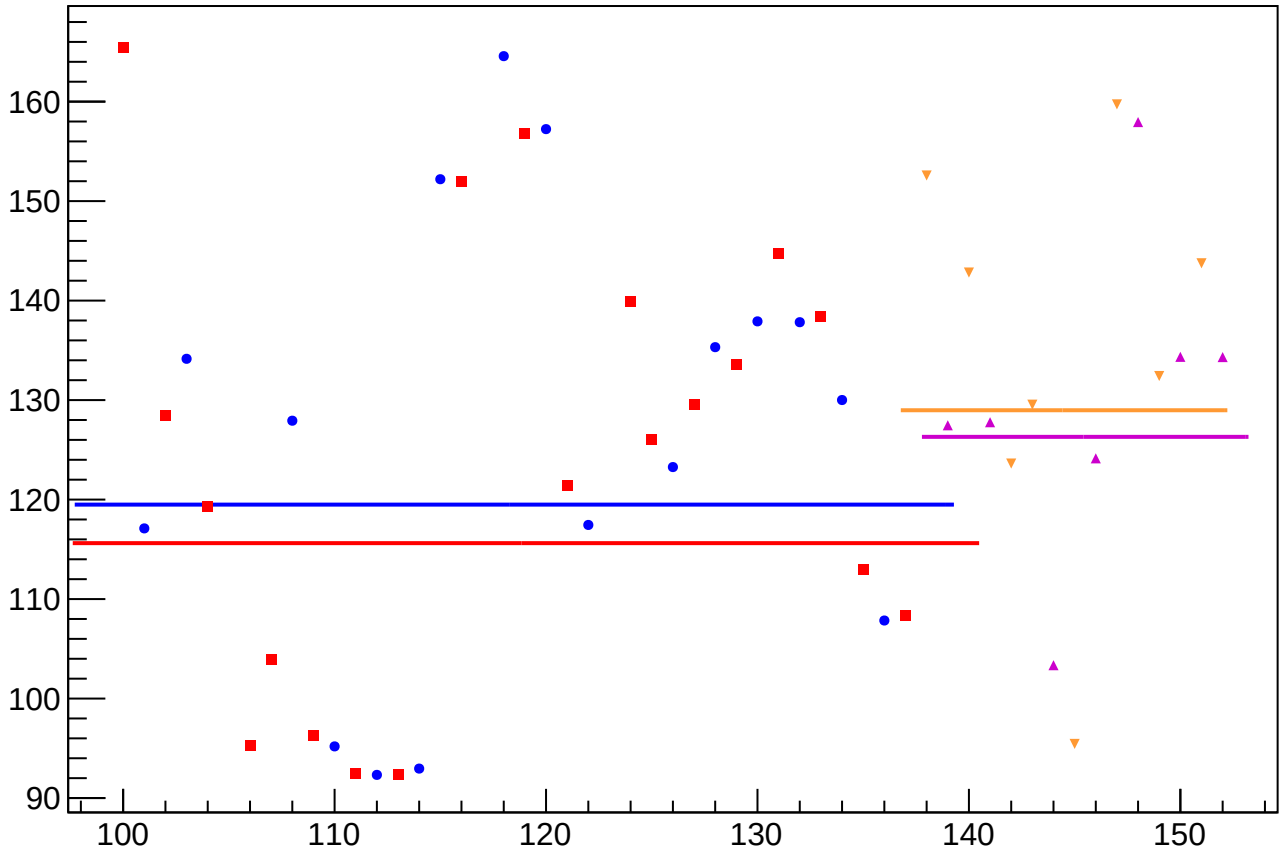
Left: 221.380+/-37.003 χ^2/NDF: 10.3/14

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 178.745+/-34.098 χ^2/NDF:21.3/22

Out: 185.823+/-33.442 χ^2/NDF:19.5/26

All: 182.353+/-23.876 χ^2/NDF: 40.8/49



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: 126.306+/-0.037 χ^2/NDF:166454.1/6

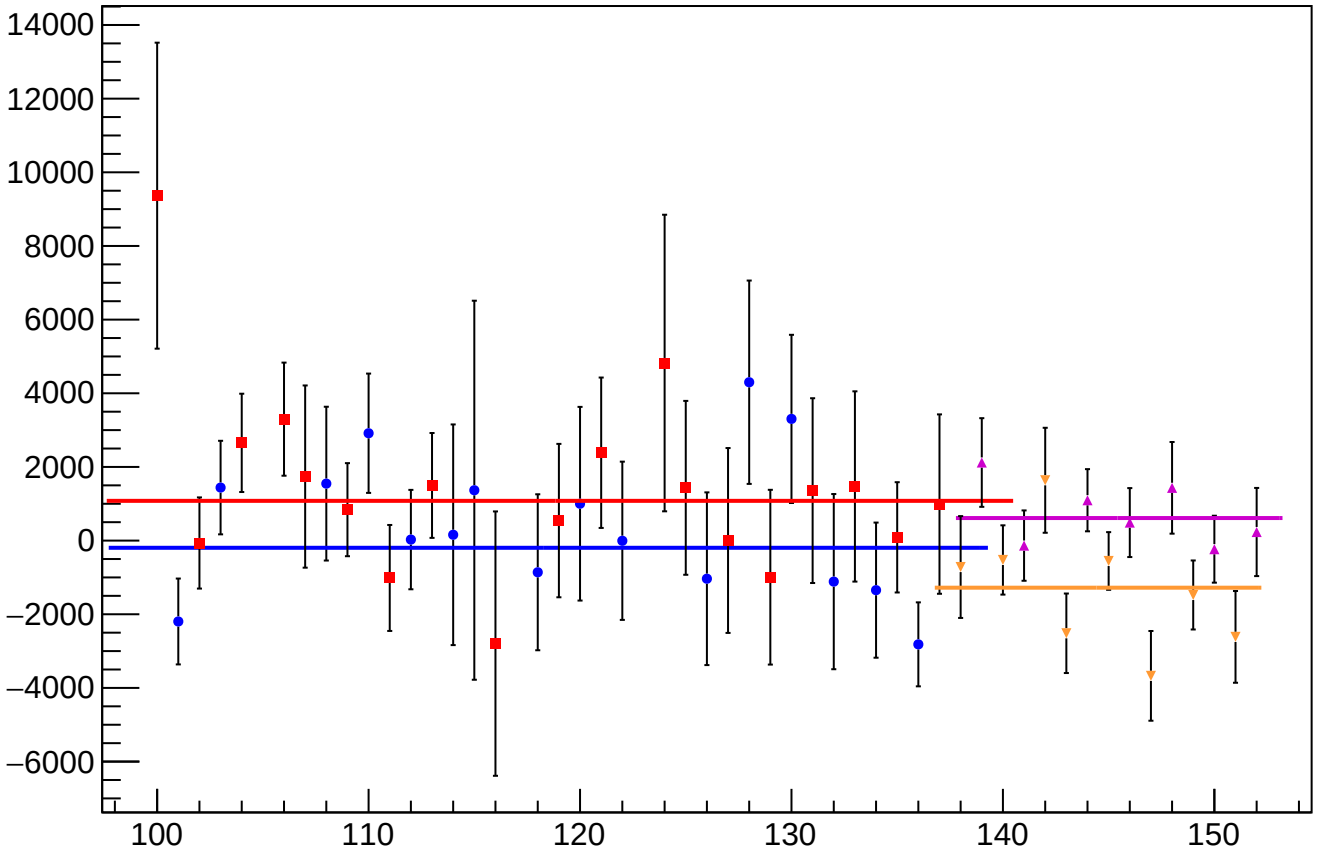
Left: 127.619+/-0.026 χ^2/NDF: 501115.2/14

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 122.436+/-0.024 χ^2/NDF:566288.3/22

Out: 120.983+/-0.024 χ^2/NDF:835679.1/26

All: 121.696+/-0.017 χ^2/NDF: 1403818.4/49



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: 612.474+/-381.078 χ^2/NDF:3.9/6

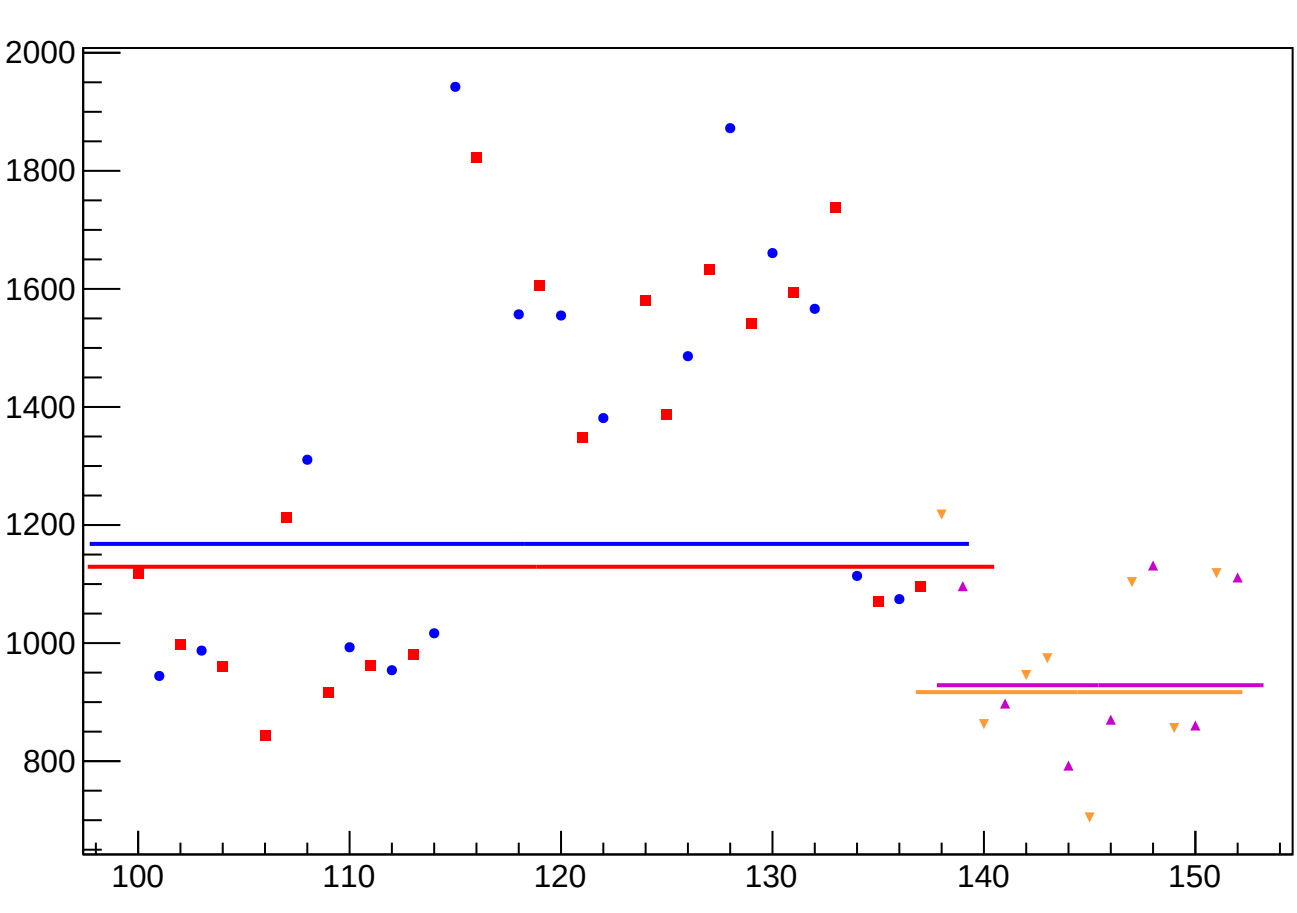
Left: -347.006+/-267.462 χ^2/NDF: 28.6/14

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 272.871+/-290.088 χ^2/NDF:26.2/22

Out: -247.457+/-281.667 χ^2/NDF:44.0/26

All: 5.045+/-202.080 χ^2/NDF: 71.9/49



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: 928.667+/-0.269 χ^2/NDF:211722.3/6

Left: 922.697+/-0.189 χ^2/NDF: 575110.0/14

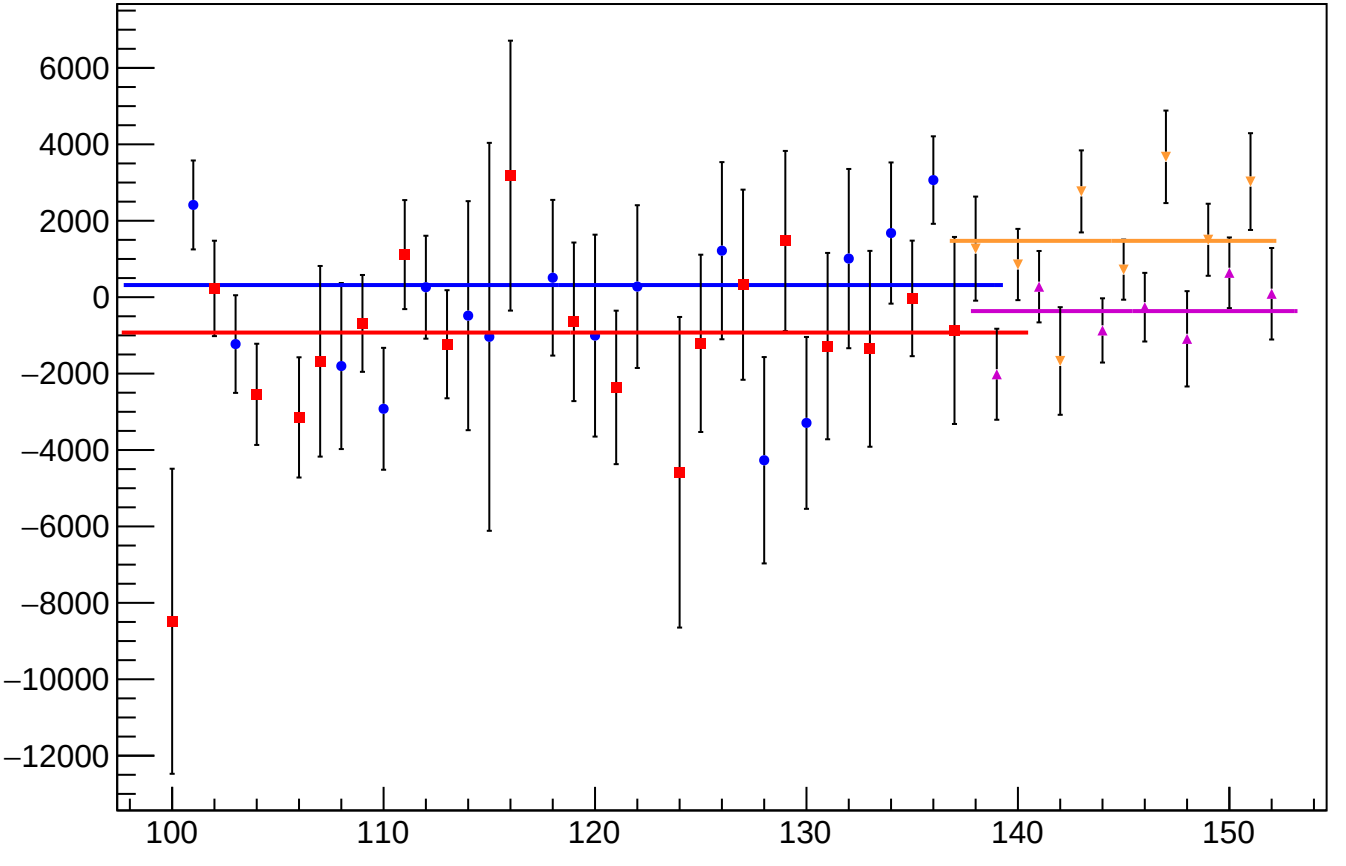
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1029.340+/-0.205 χ^2/NDF:1253005.1/22

Out: 1009.785+/-0.199 χ^2/NDF:1449530.6/26

All: 1019.274+/-0.143 χ^2/NDF: 2707213.9/49

asym_sam_48_dd_mean vs Slug, Sign Corrected



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: -364.290+/-377.595 χ^2/NDF:4.4/6

Left: 560.903+/-266.109 χ^2/NDF: 29.0/14

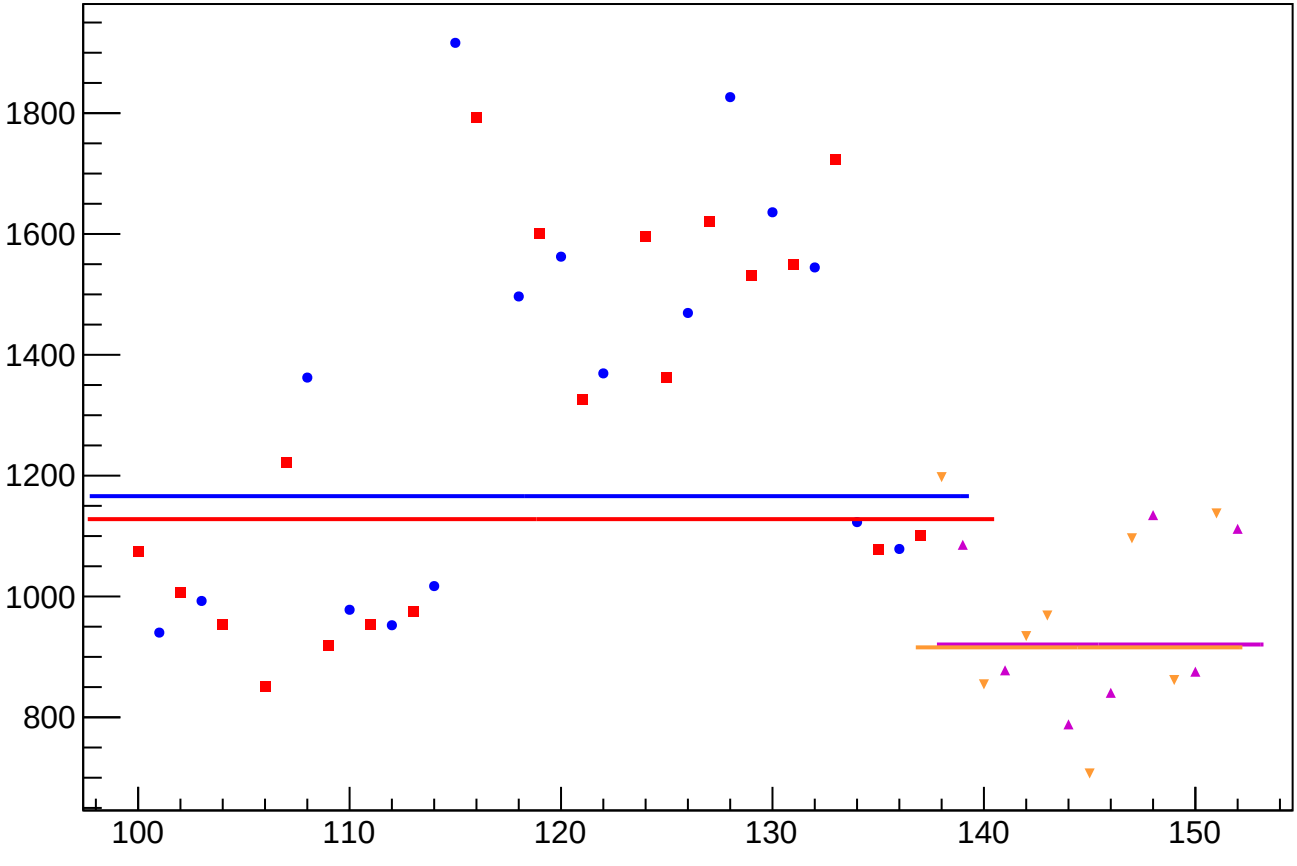
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: -79.944+/-288.276 χ^2/NDF:28.0/22

Out: 424.165+/-281.343 χ^2/NDF:45.1/26

All: 178.245+/-201.346 χ^2/NDF: 74.6/49

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: 920.506+/-0.267 χ^2/NDF:222698.6/6

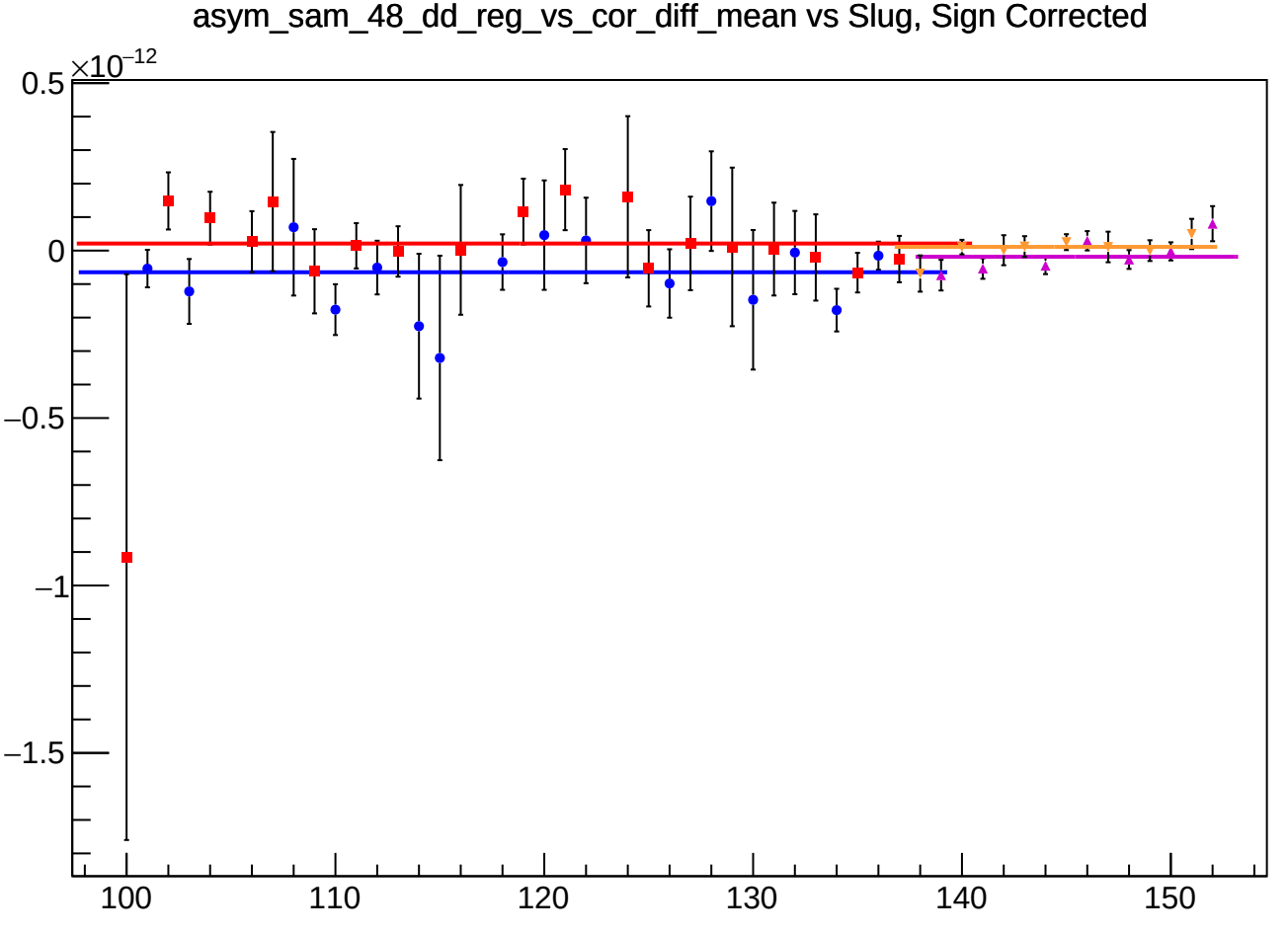
Left: 918.118+/-0.188 χ^2/NDF: 575308.5/14

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1022.936+/-0.204 χ^2/NDF:1252571.2/22

Out: 1008.595+/-0.199 χ^2/NDF:1408315.0/26

All: 1015.591+/-0.142 χ^2/NDF: 2663421.1/49



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:10.6/6

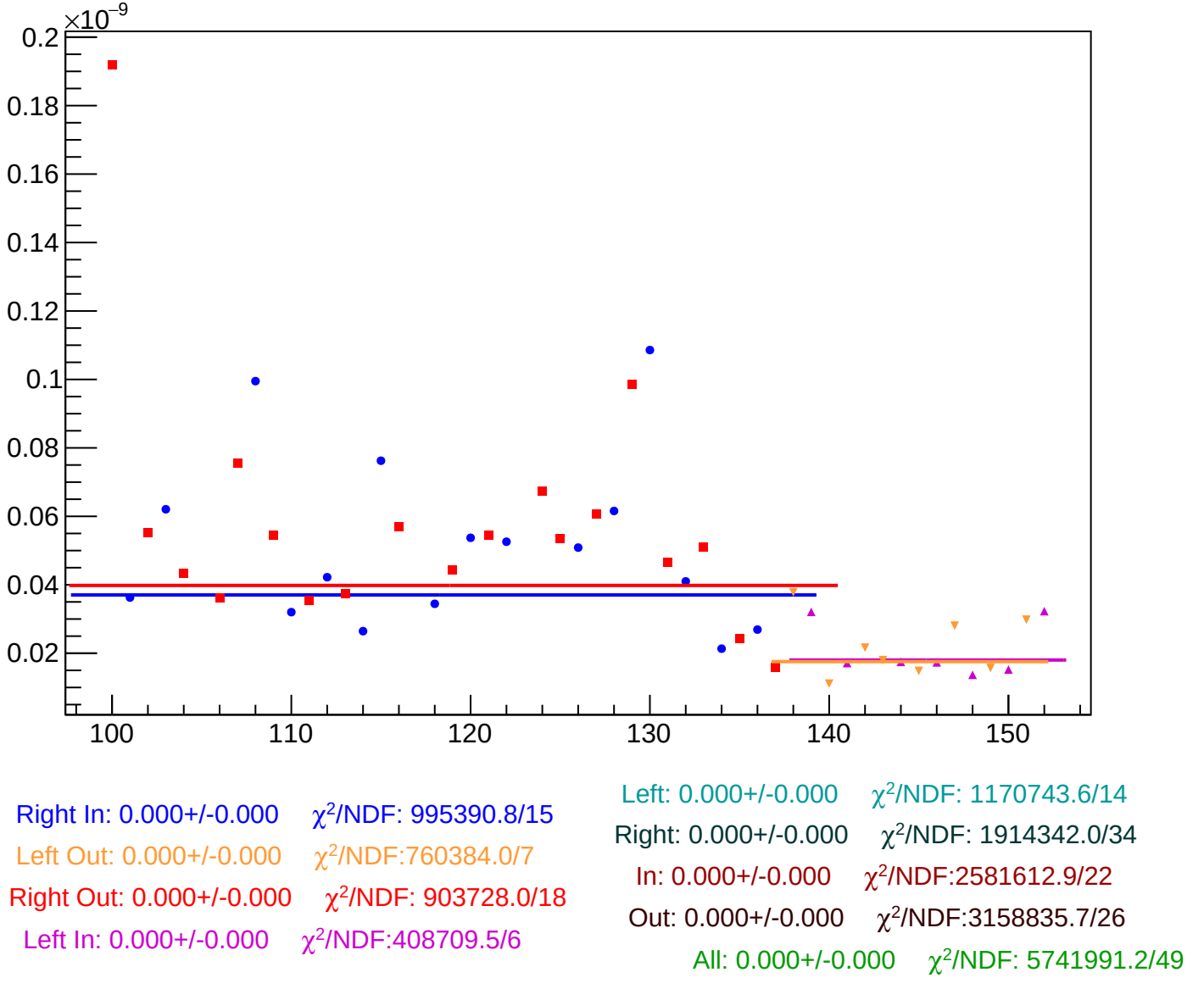
Left: -0.000+/-0.000 χ^2/NDF: 17.3/14

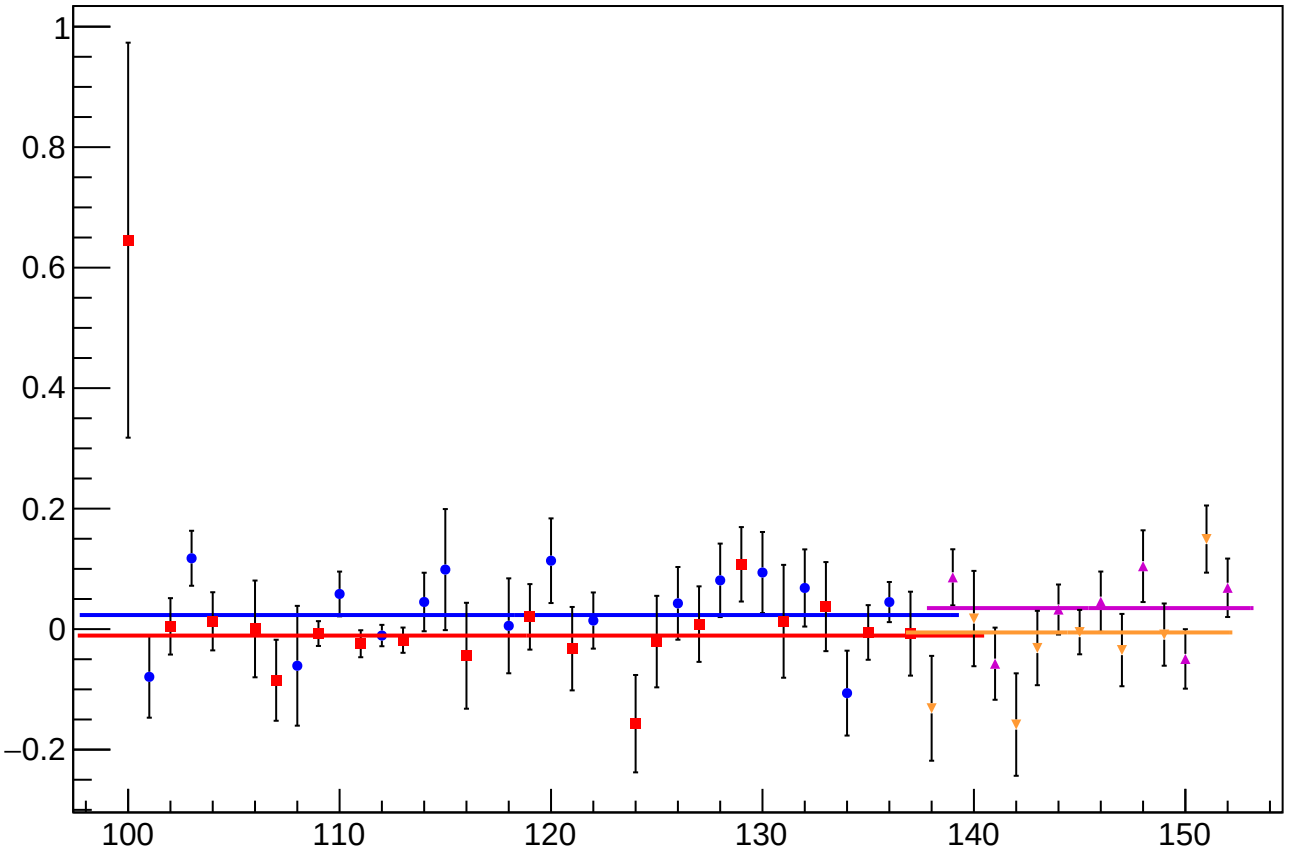
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:26.5/22

Out: 0.000+/-0.000 χ^2/NDF:15.1/26

All: -0.000+/-0.000 χ^2/NDF: 49.9/49


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:408709.5/6
Left: 0.000+/-0.000 χ²/NDF: 1170743.6/14
Right: 0.000+/-0.000 χ²/NDF: 1914342.0/34
In: 0.000+/-0.000 χ²/NDF:2581612.9/22
Out: 0.000+/-0.000 χ²/NDF:3158835.7/26
All: 0.000+/-0.000 χ²/NDF: 5741991.2/49



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: 0.035+/-0.019 χ^2/NDF:8.4/6

Left: 0.016+/-0.014 χ^2/NDF: 24.1/14

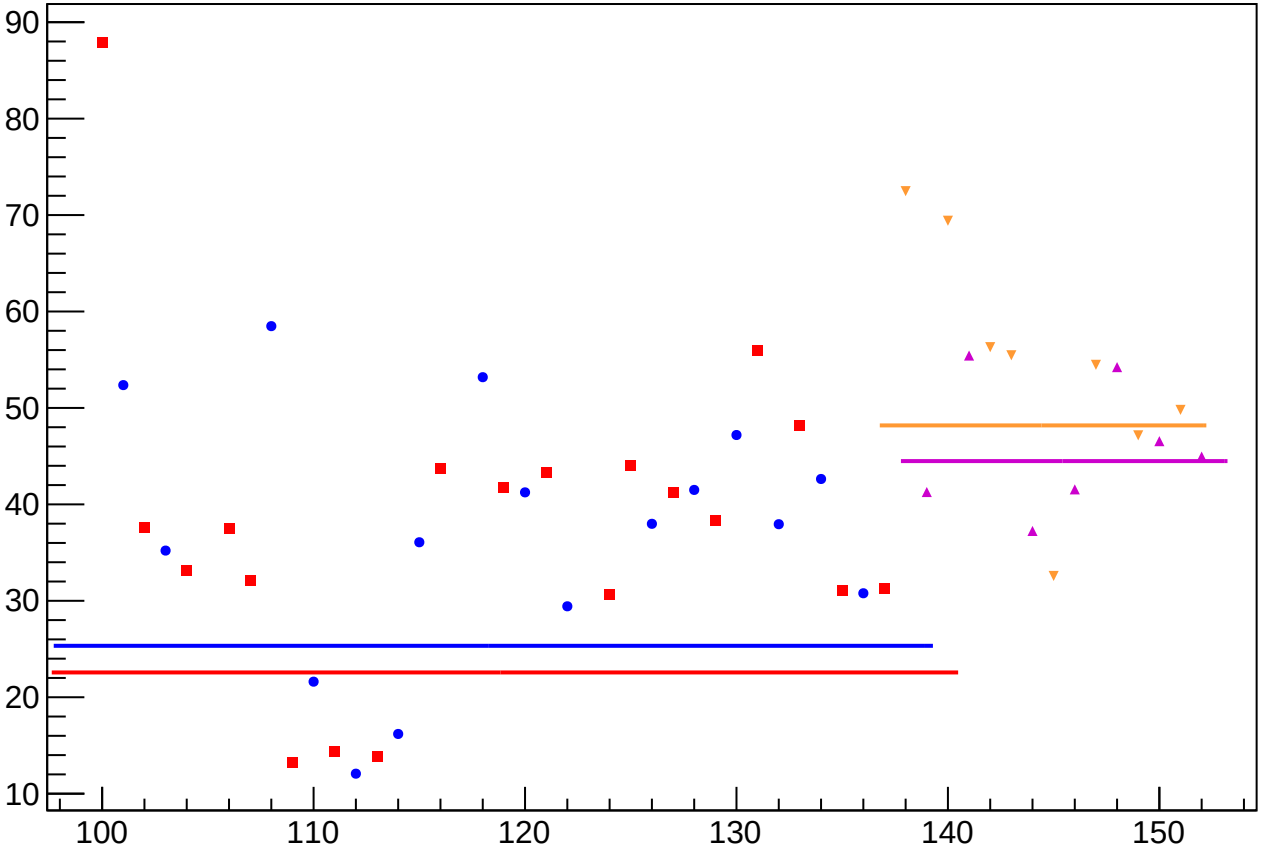
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.026+/-0.010 χ^2/NDF:29.4/22

Out: -0.010+/-0.009 χ^2/NDF:27.9/26

All: 0.007+/-0.006 χ^2/NDF: 65.0/49

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: 44.488+/-0.013 χ^2/NDF:201282.3/6

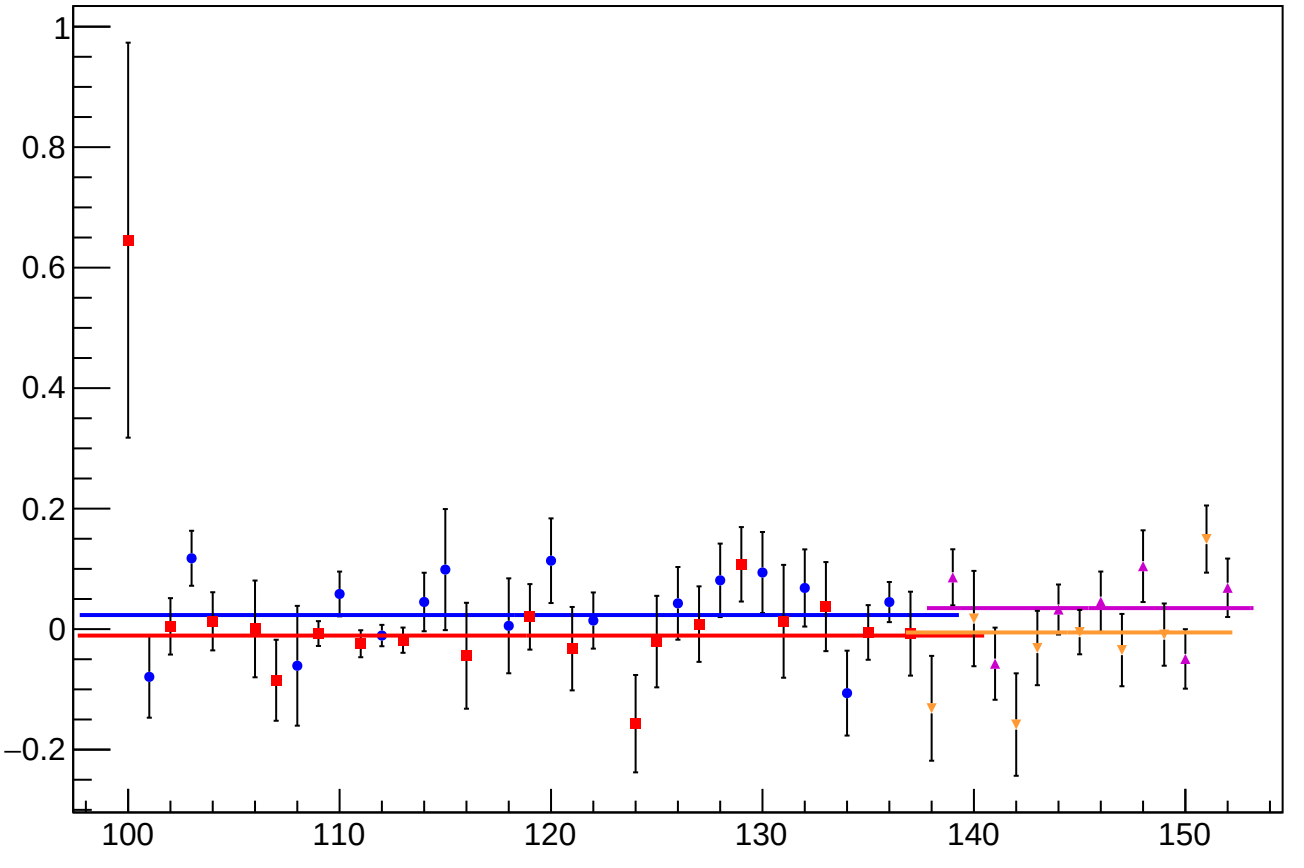
Left: 46.185+/-0.010 χ^2/NDF: 966205.4/14

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 30.274+/-0.007 χ^2/NDF:4671078.7/22

Out: 27.378+/-0.006 χ^2/NDF:6432239.3/26

All: 28.716+/-0.005 χ^2/NDF: 11202586.5/49



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: 0.035+/-0.019 χ^2/NDF:8.4/6

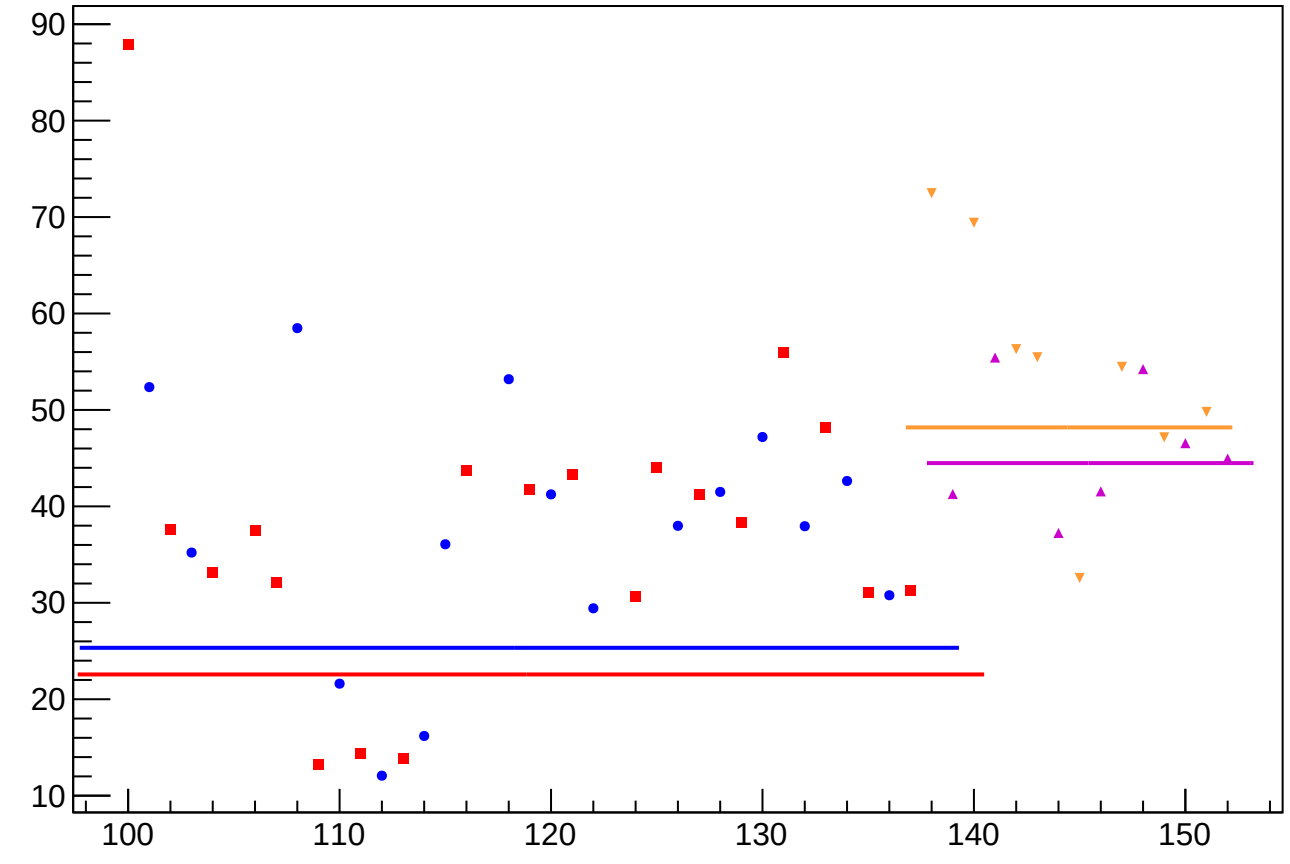
Left: 0.016+/-0.014 χ^2/NDF: 24.1/14

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.026+/-0.010 χ^2/NDF:29.4/22

Out: -0.010+/-0.009 χ^2/NDF:27.9/26

All: 0.007+/-0.006 χ^2/NDF: 65.0/49



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: 44.488+/-0.013 χ^2/NDF:201282.3/6

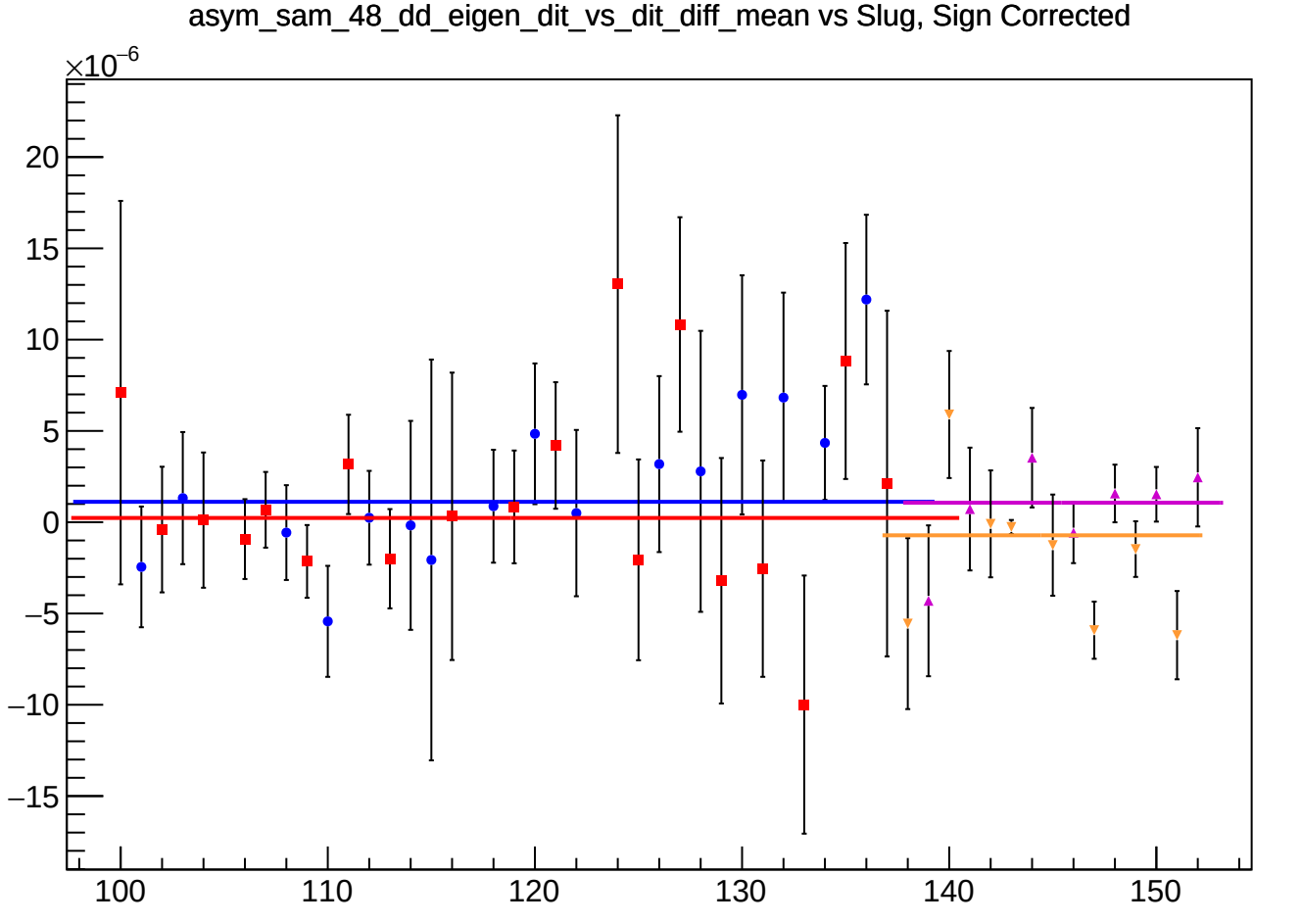
Left: 46.185+/-0.010 χ^2/NDF: 966205.4/14

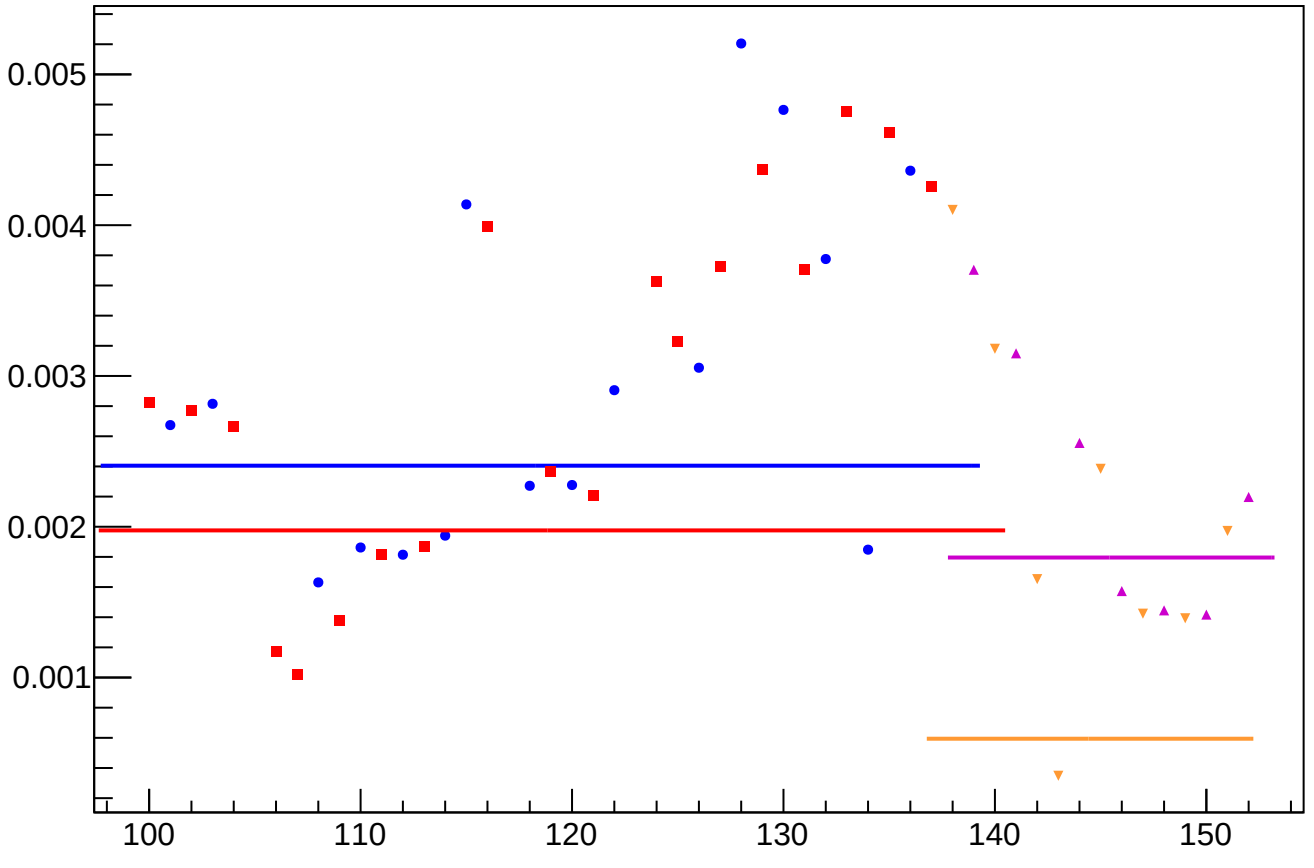
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 30.274+/-0.007 χ^2/NDF:4671078.7/22

Out: 27.378+/-0.006 χ^2/NDF:6432239.3/26

All: 28.716+/-0.005 χ^2/NDF: 11202586.5/49


asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻⁶
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 16.2/15
Left Out: -0.000+/-0.000 χ²/NDF:22.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 15.1/18
Left In: 0.000+/-0.000 χ²/NDF:4.0/6
Left: -0.000+/-0.000 χ²/NDF: 30.8/14
Right: 0.000+/-0.000 χ²/NDF: 31.8/34
In: 0.000+/-0.000 χ²/NDF:20.2/22
Out: -0.000+/-0.000 χ²/NDF:38.8/26
All: -0.000+/-0.000 χ²/NDF: 64.8/49



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:1212702.9/6

Left: 0.001+/-0.000 χ^2/NDF: 11015105.3/14

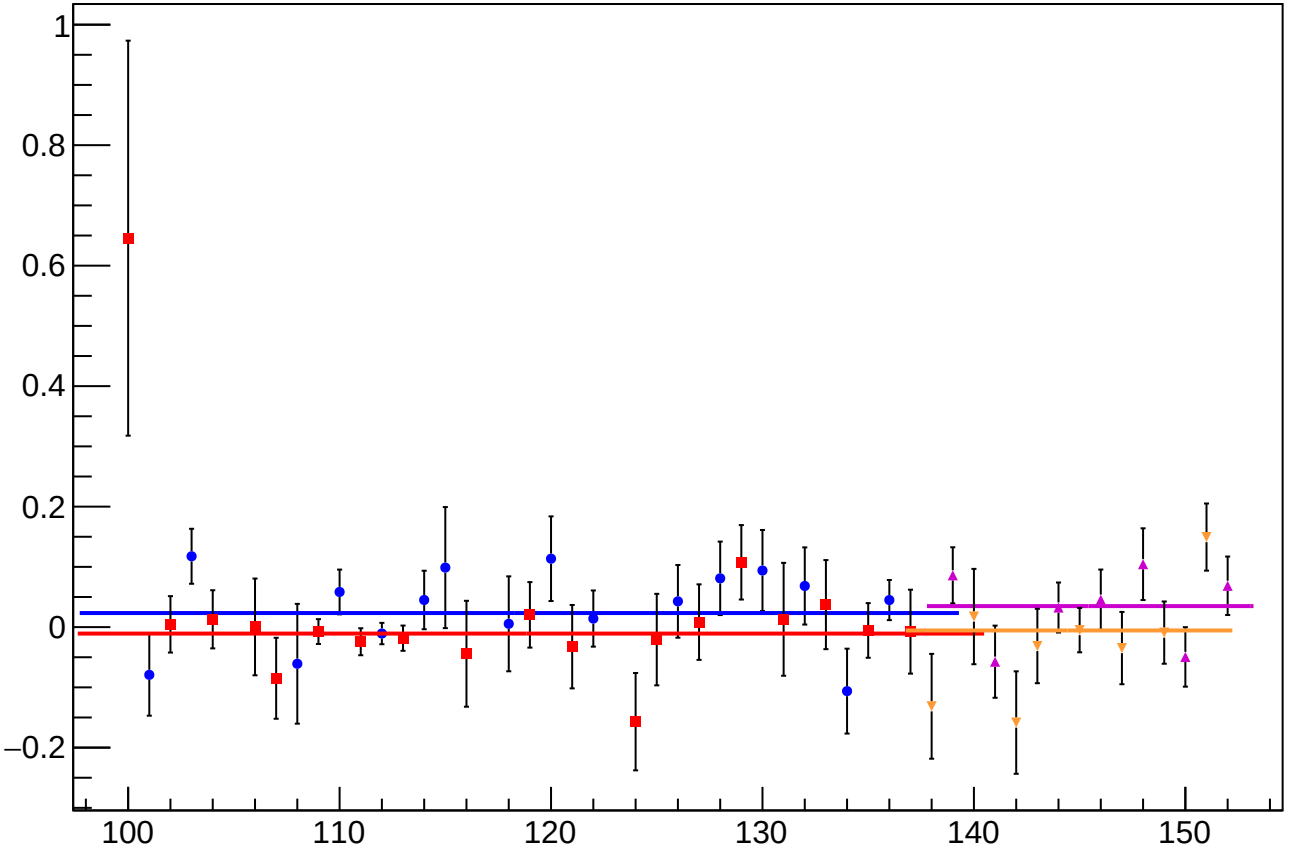
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:3270806.2/22

Out: 0.001+/-0.000 χ^2/NDF:13537074.8/26

All: 0.001+/-0.000 χ^2/NDF: 23221038.6/49

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: 0.035+/-0.019 χ^2/NDF:8.4/6

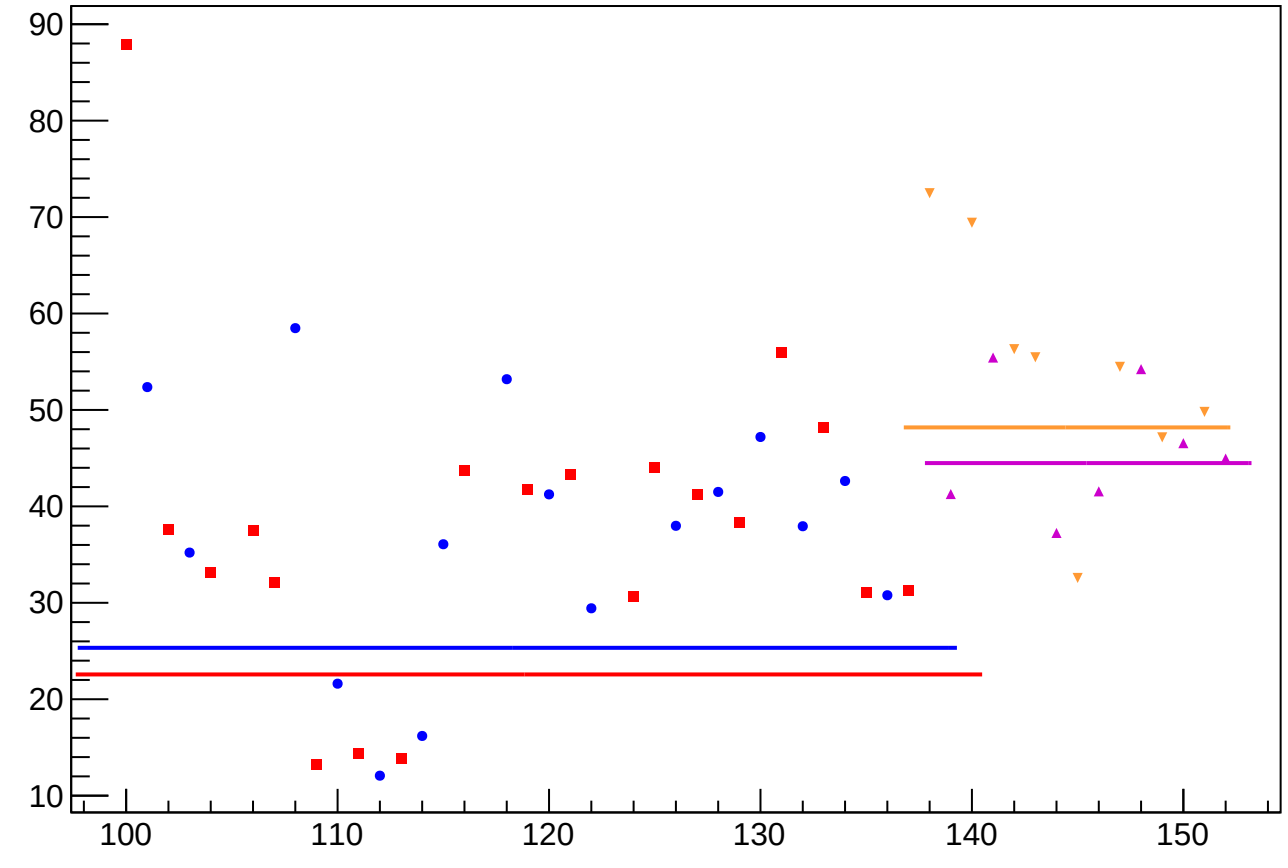
Left: 0.016+/-0.014 χ^2/NDF: 24.1/14

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.026+/-0.010 χ^2/NDF:29.4/22

Out: -0.010+/-0.009 χ^2/NDF:27.9/26

All: 0.007+/-0.006 χ^2/NDF: 65.0/49



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: 44.488+/-0.013 χ^2/NDF:201270.3/6

Left: 46.186+/-0.010 χ^2/NDF: 966161.4/14

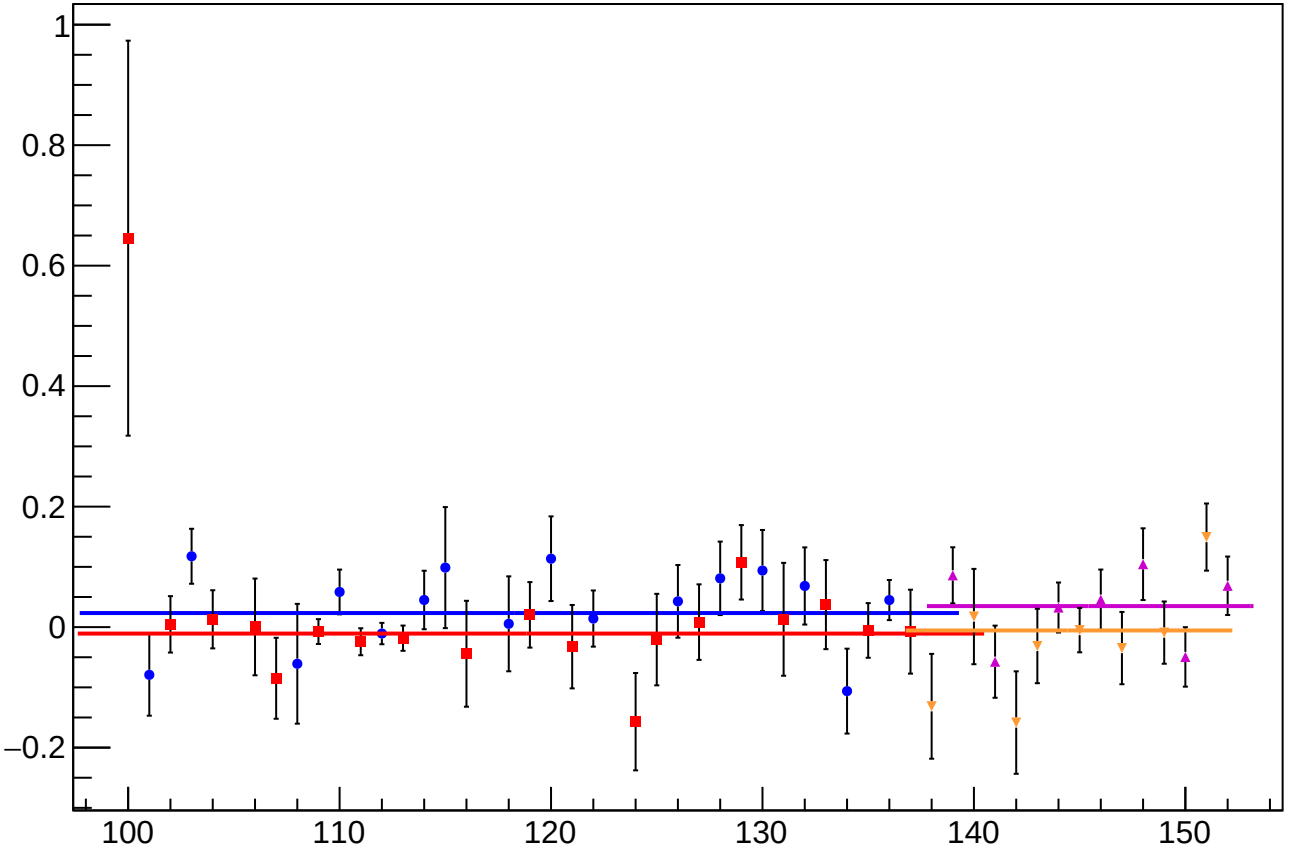
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 30.273+/-0.007 χ^2/NDF:4671763.1/22

Out: 27.378+/-0.006 χ^2/NDF:6432465.9/26

All: 28.715+/-0.005 χ^2/NDF: 11203441.2/49

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: 0.035+/-0.019 χ^2/NDF:8.4/6

Left: 0.016+/-0.014 χ^2/NDF: 24.1/14

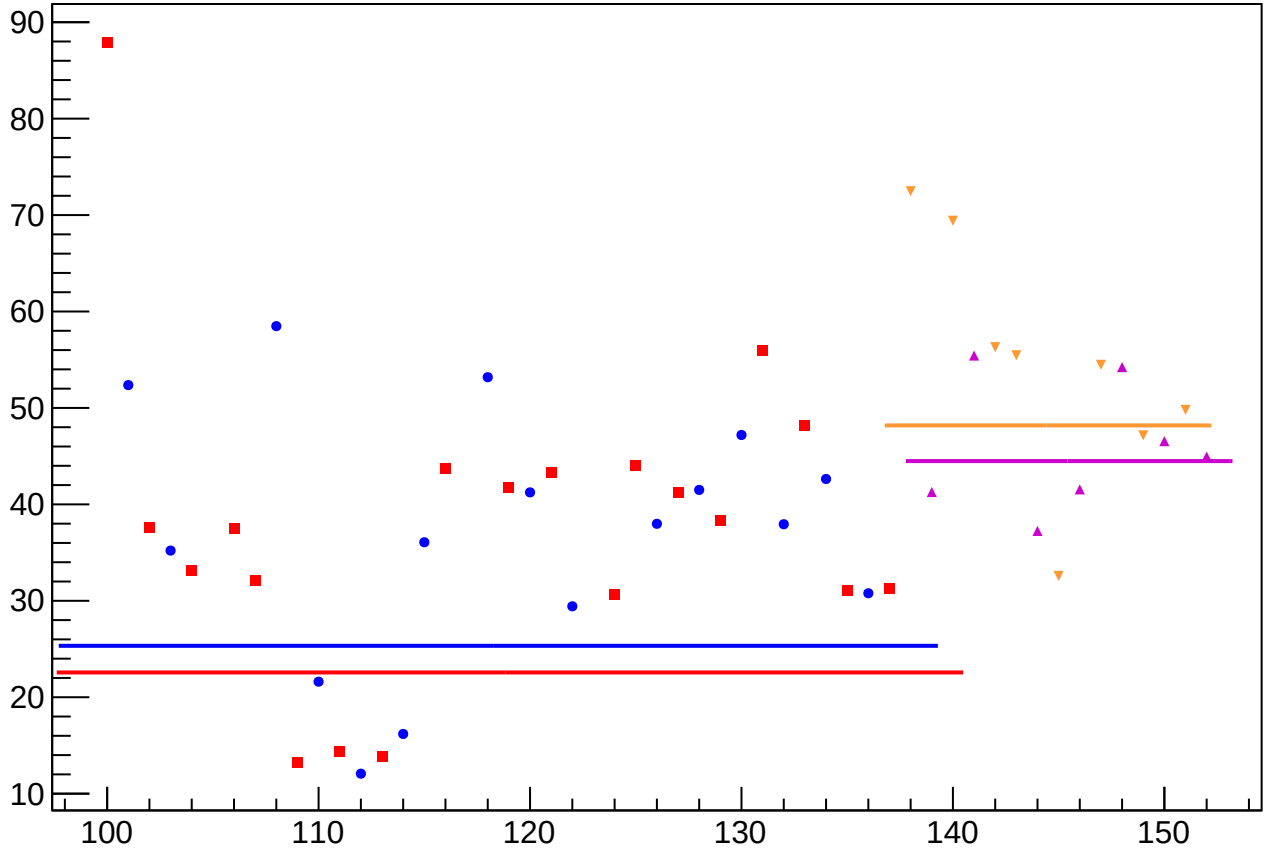
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.026+/-0.010 χ^2/NDF:29.4/22

Out: -0.010+/-0.009 χ^2/NDF:27.9/26

All: 0.007+/-0.006 χ^2/NDF: 65.0/49

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.188+/-0.014 χ^2/NDF:729268.8/7

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 44.488+/-0.013 χ^2/NDF:201270.3/6

Left: 46.186+/-0.010 χ^2/NDF: 966161.4/14

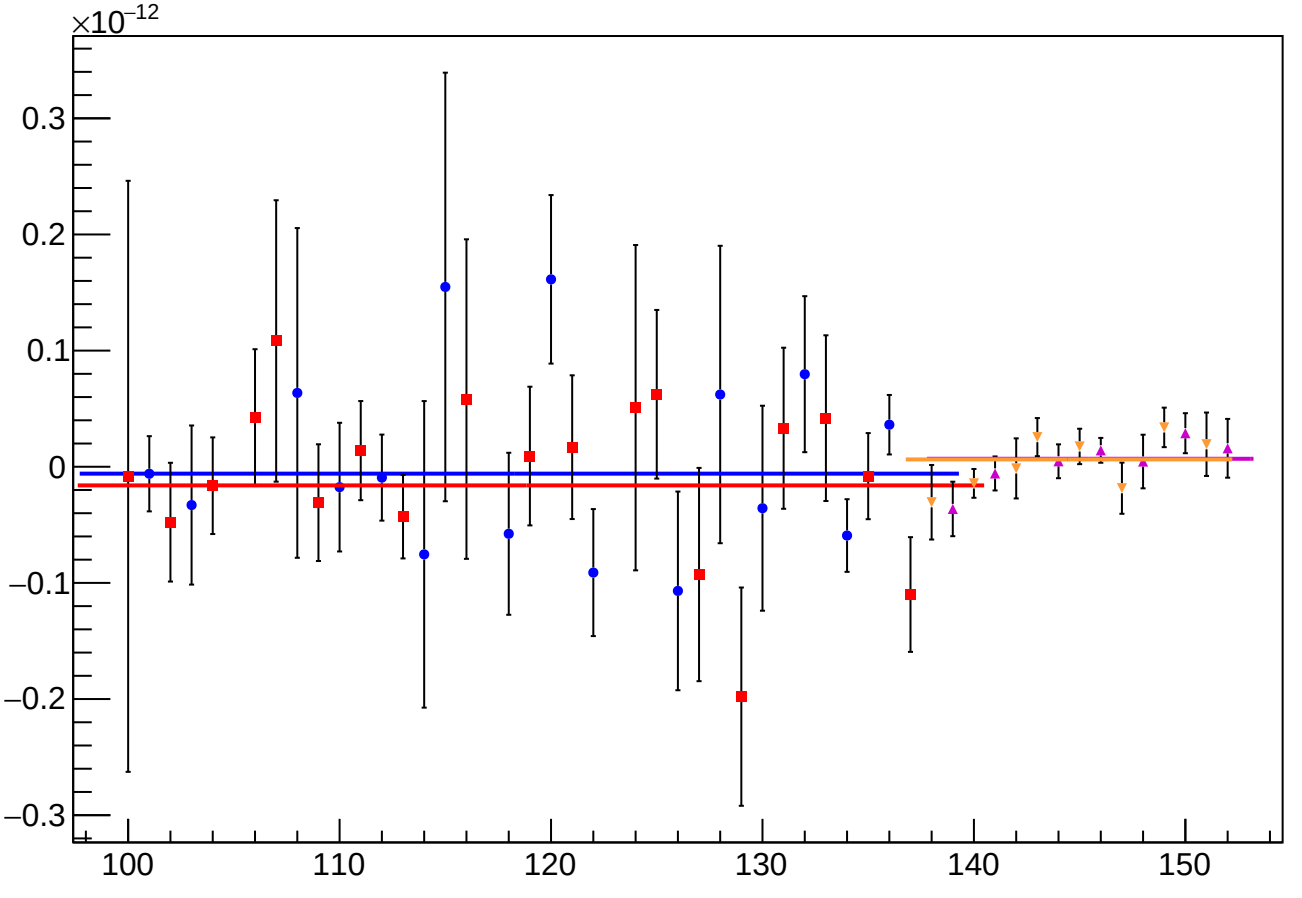
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 30.273+/-0.007 χ^2/NDF:4671763.1/22

Out: 27.378+/-0.006 χ^2/NDF:6432465.9/26

All: 28.715+/-0.005 χ^2/NDF: 11203441.2/49

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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:6.4/6

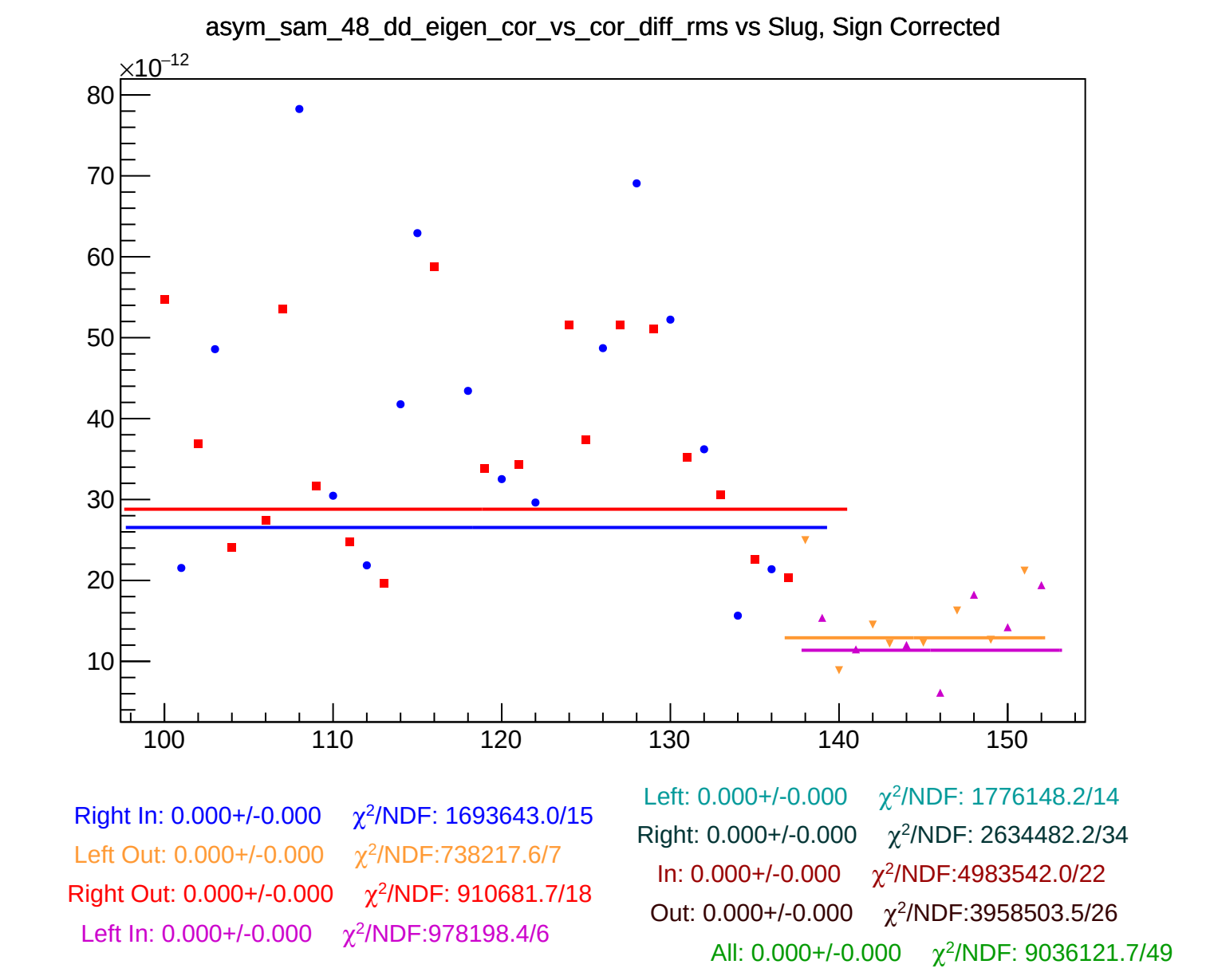
Left: 0.000+/-0.000 χ^2/NDF: 16.6/14

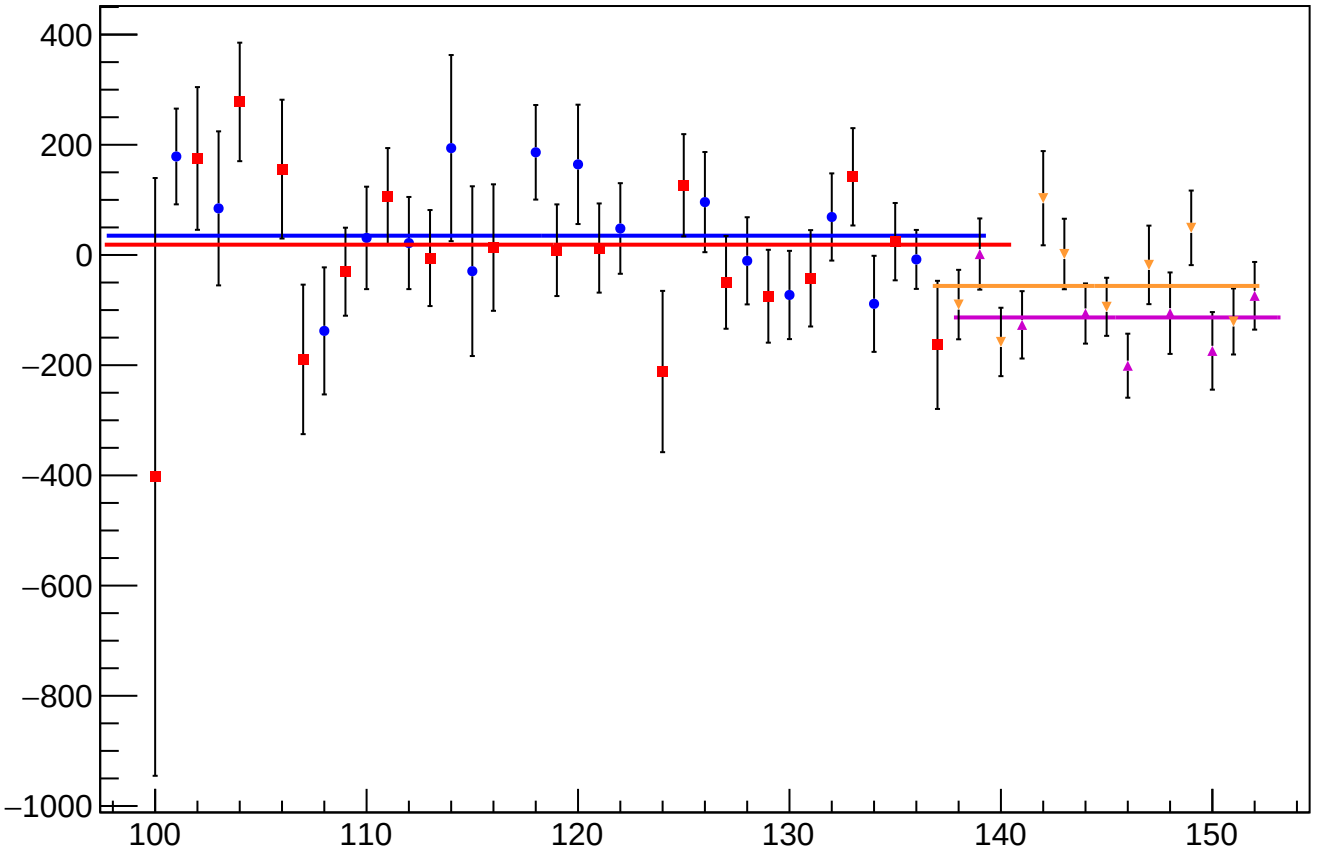
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:26.0/22

Out: 0.000+/-0.000 χ^2/NDF:27.5/26

All: 0.000+/-0.000 χ^2/NDF: 53.6/49


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:978198.4/6
Left: 0.000+/-0.000 χ²/NDF: 1776148.2/14
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:4983542.0/22
Out: 0.000+/-0.000 χ²/NDF:3958503.5/26
All: 0.000+/-0.000 χ²/NDF: 9036121.7/49



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: -113.363+/-23.645 χ^2/NDF:6.7/6

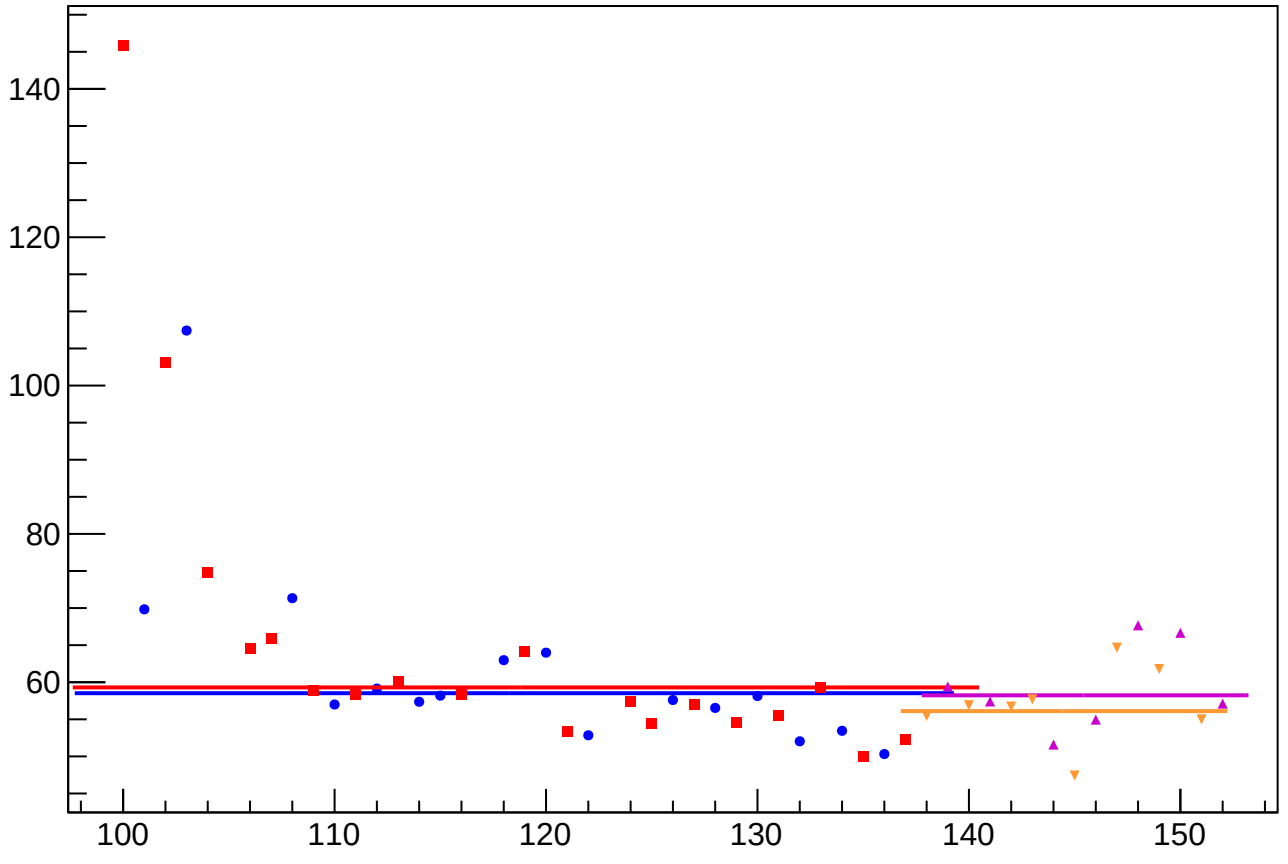
Left: -83.559+/-16.363 χ^2/NDF: 21.4/14

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -34.281+/-16.159 χ^2/NDF:43.8/22

Out: -17.851+/-15.838 χ^2/NDF:40.7/26

All: -25.901+/-11.311 χ^2/NDF: 85.1/49



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: 58.236+/-0.017 χ^2/NDF:98796.8/6

Left: 57.127+/-0.012 χ^2/NDF: 206974.7/14

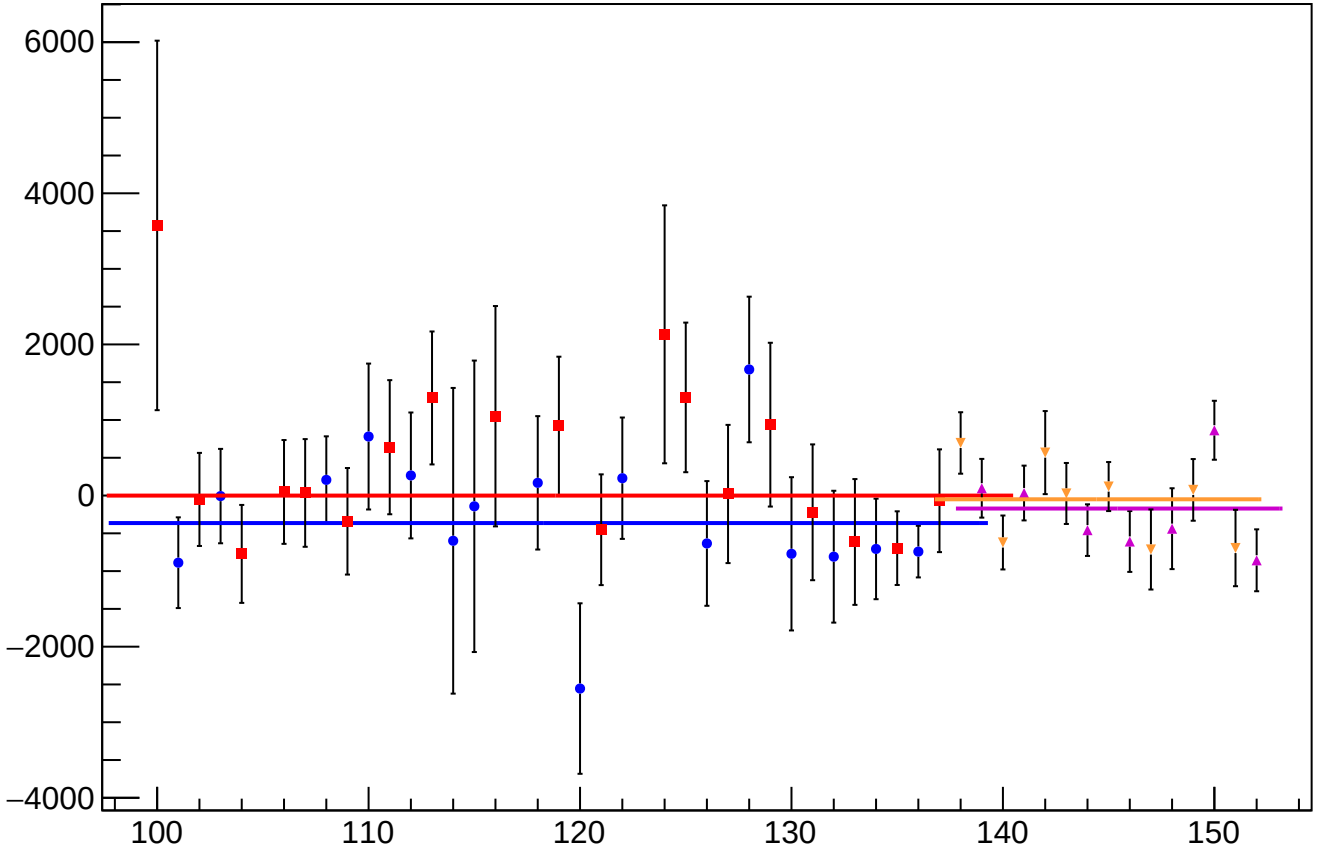
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.388+/-0.011 χ^2/NDF:491694.3/22

Out: 57.742+/-0.011 χ^2/NDF:526662.4/26

All: 58.059+/-0.008 χ^2/NDF: 1019988.2/49

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: -171.951+/-149.088 χ^2/NDF:12.8/6

Left: -109.869+/-104.649 χ^2/NDF: 23.9/14

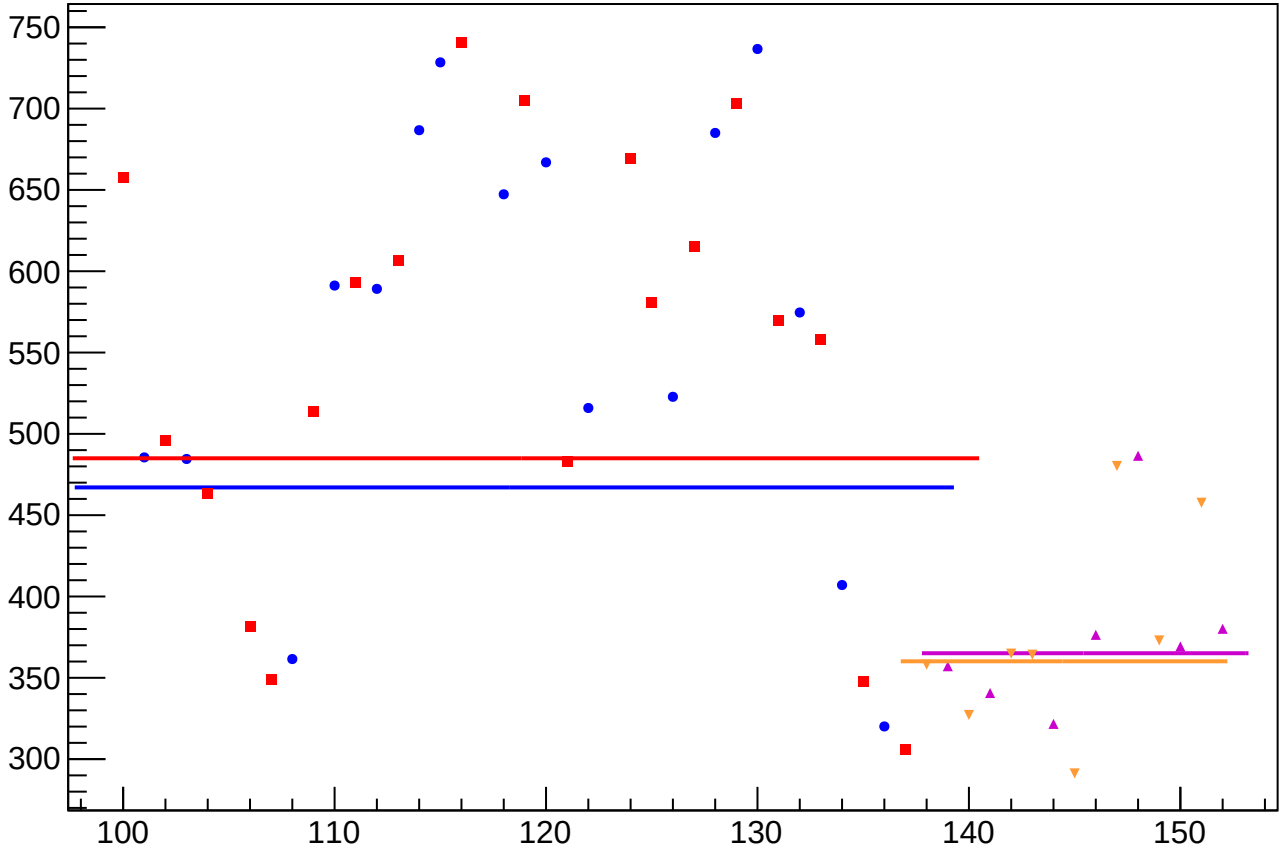
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -249.816+/-114.974 χ^2/NDF:28.7/22

Out: -30.376+/-114.591 χ^2/NDF:25.9/26

All: -139.730+/-81.163 χ^2/NDF: 56.4/49

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: 365.109+/-0.105 χ^2/NDF:149771.3/6

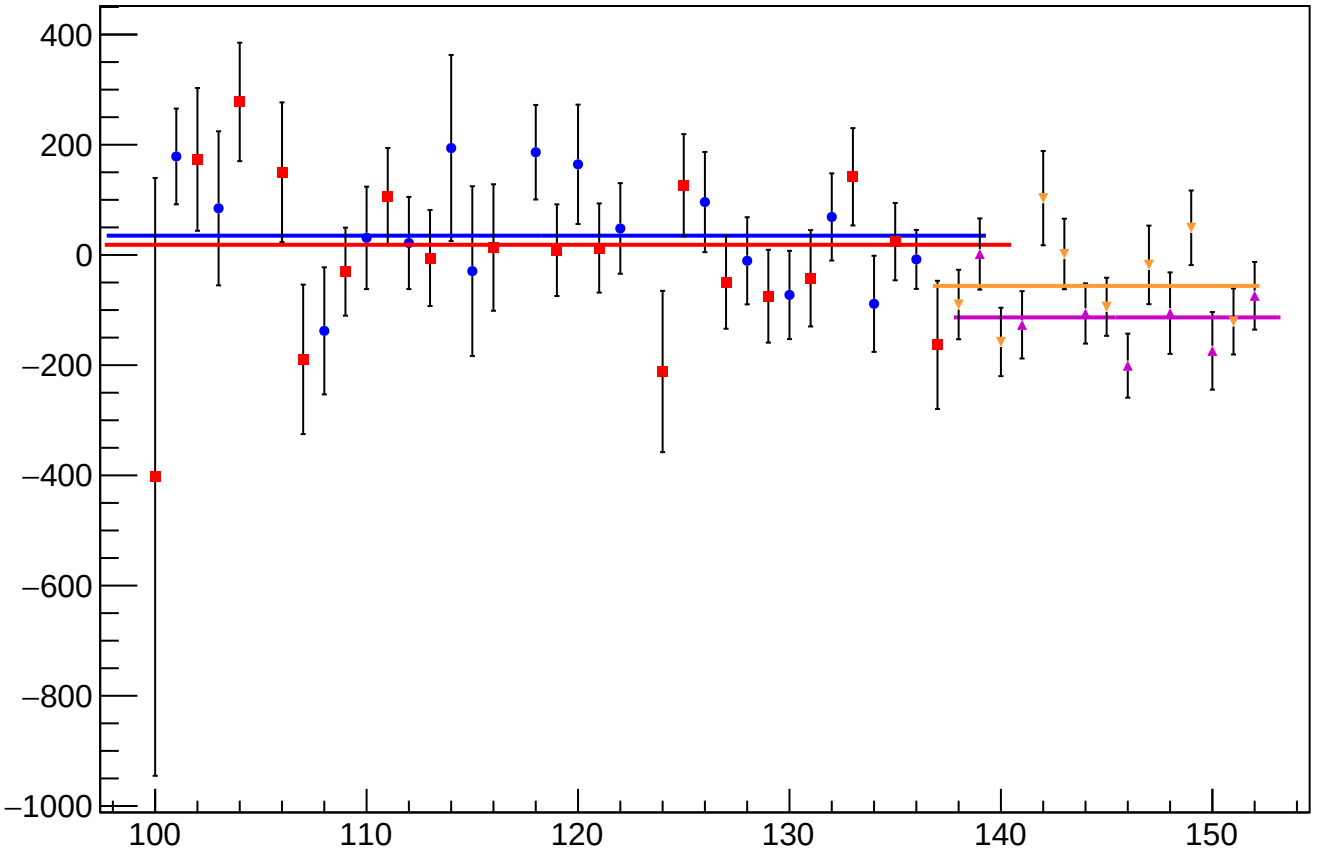
Left: 362.592+/-0.074 χ^2/NDF: 437797.0/14

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 406.431+/-0.081 χ^2/NDF:1559146.4/22

Out: 409.049+/-0.081 χ^2/NDF:1726578.5/26

All: 407.745+/-0.057 χ^2/NDF: 3286245.0/49



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: -113.362+/-23.645 χ^2/NDF:6.7/6

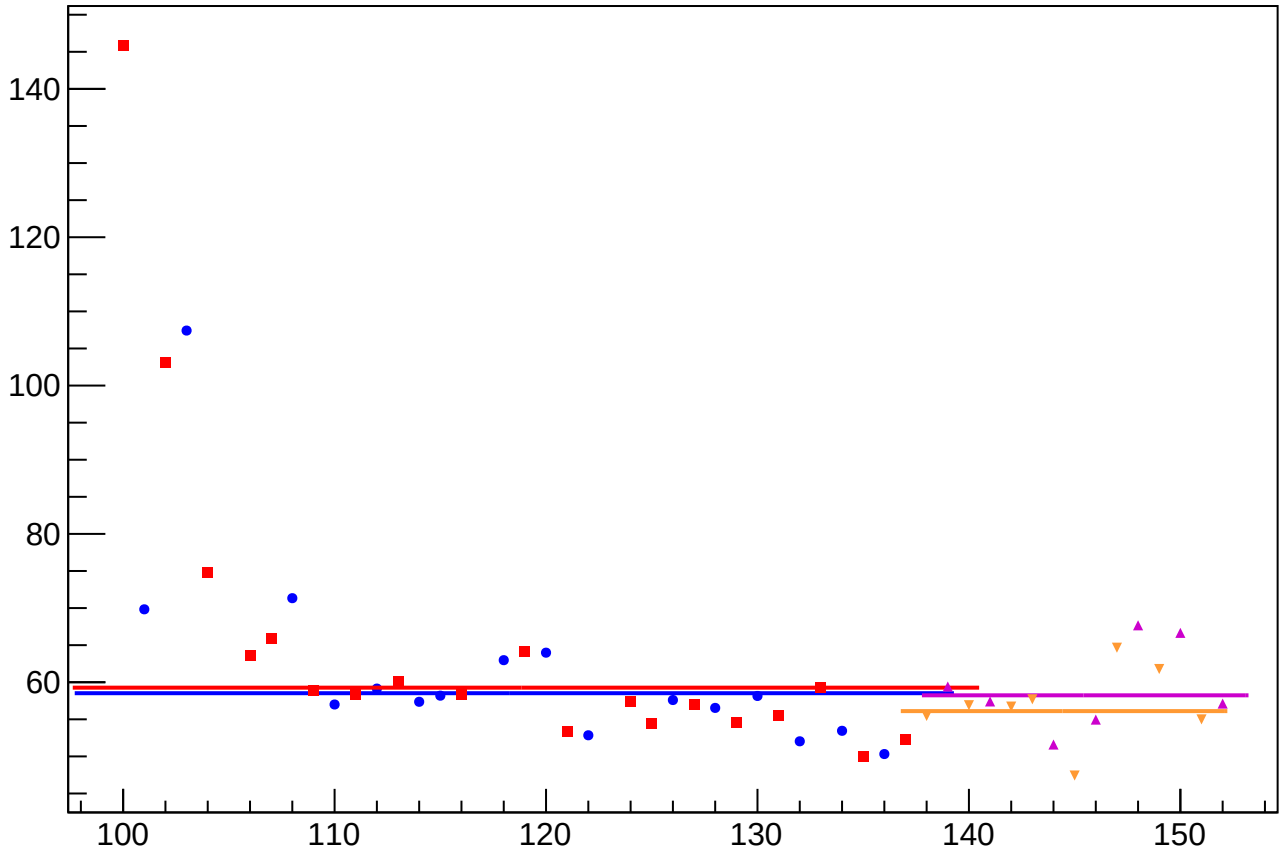
Left: -83.559+/-16.363 χ^2/NDF: 21.4/14

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -34.281+/-16.159 χ^2/NDF:43.9/22

Out: -17.998+/-15.839 χ^2/NDF:40.6/26

All: -25.976+/-11.311 χ^2/NDF: 84.9/49



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: 58.236+/-0.017 χ^2/NDF:98796.8/6

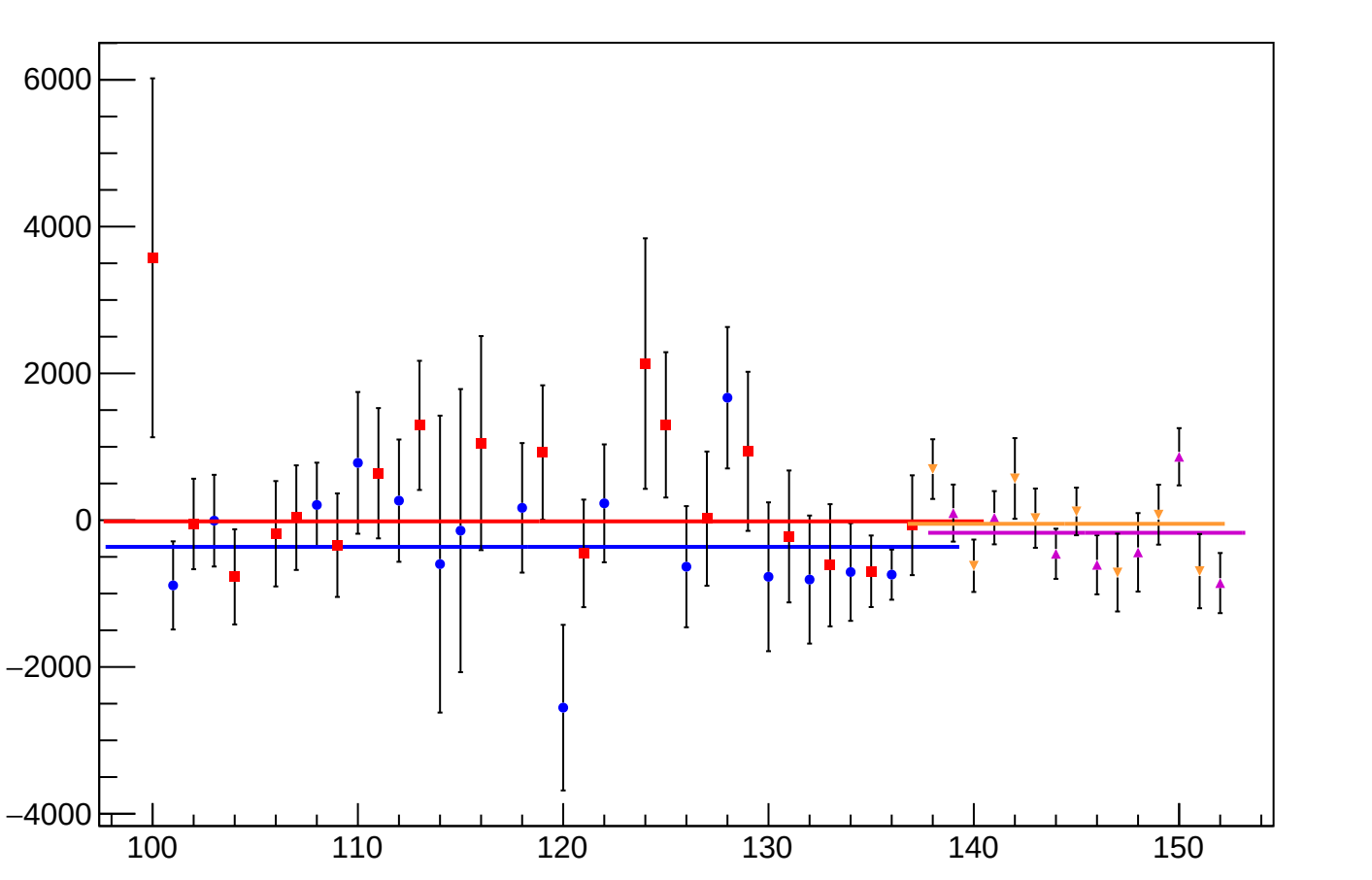
Left: 57.127+/-0.012 χ^2/NDF: 206974.7/14

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.388+/-0.011 χ^2/NDF:491696.4/22

Out: 57.726+/-0.011 χ^2/NDF:525260.6/26

All: 58.050+/-0.008 χ^2/NDF: 1018673.2/49



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: -171.948+/-149.088 χ^2/NDF:12.8/6

Left: -109.869+/-104.649 χ^2/NDF: 23.9/14

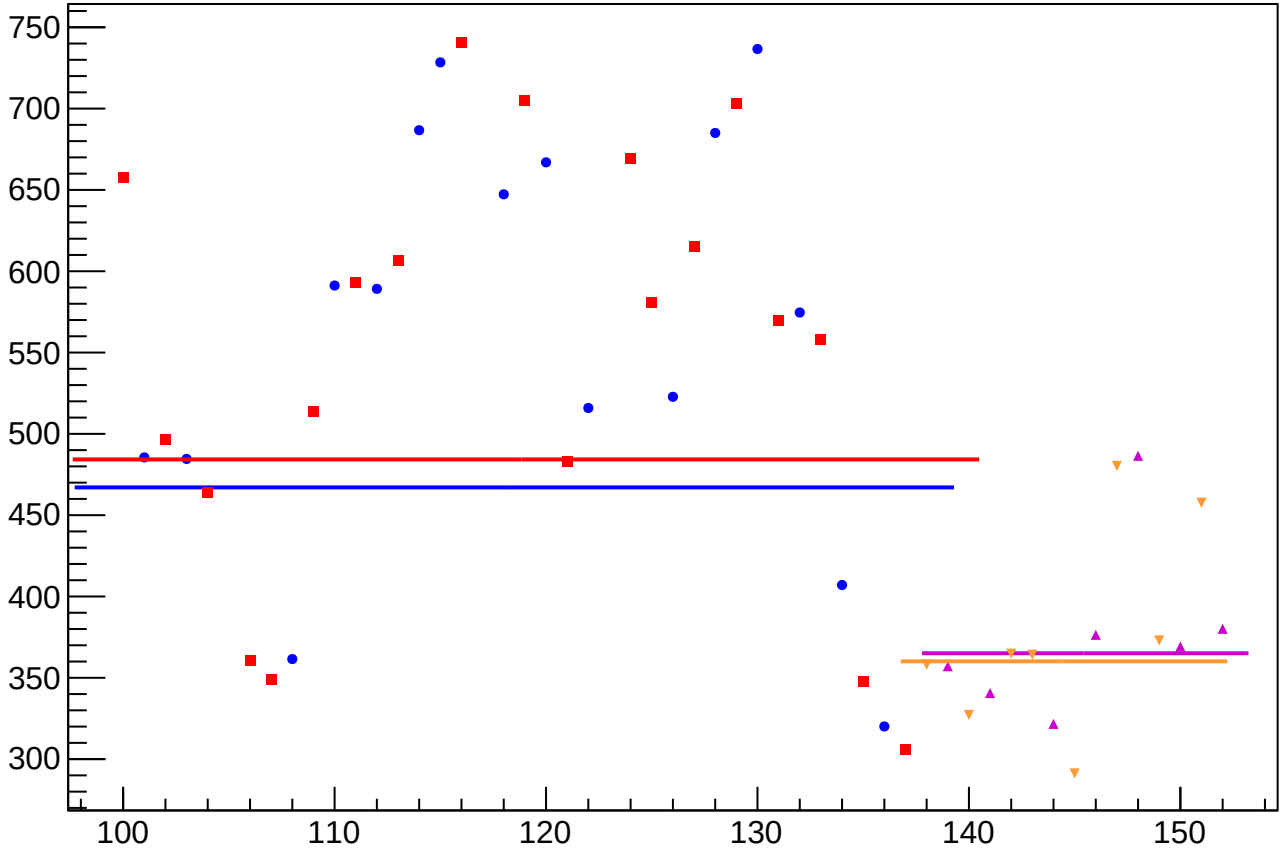
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -249.799+/-114.974 χ^2/NDF:28.7/22

Out: -36.506+/-114.730 χ^2/NDF:25.9/26

All: -142.925+/-81.212 χ^2/NDF: 56.3/49

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: 365.110+/-0.105 χ^2/NDF:149771.0/6

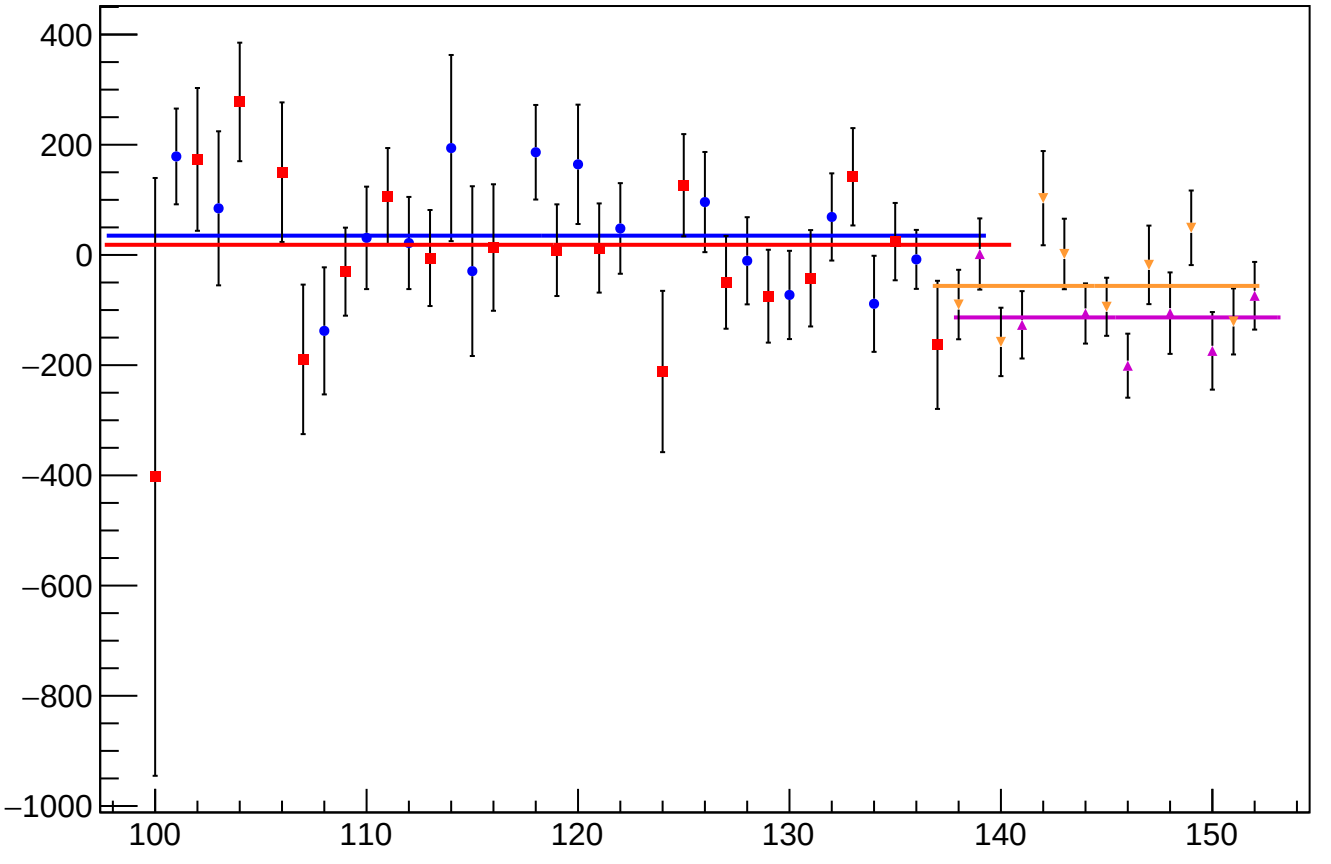
Left: 362.592+/-0.074 χ^2/NDF: 437797.8/14

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 406.432+/-0.081 χ^2/NDF:1559163.1/22

Out: 408.589+/-0.081 χ^2/NDF:1732782.9/26

All: 407.513+/-0.057 χ^2/NDF: 3292298.7/49



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: -113.362+/-23.645 χ^2/NDF:6.7/6

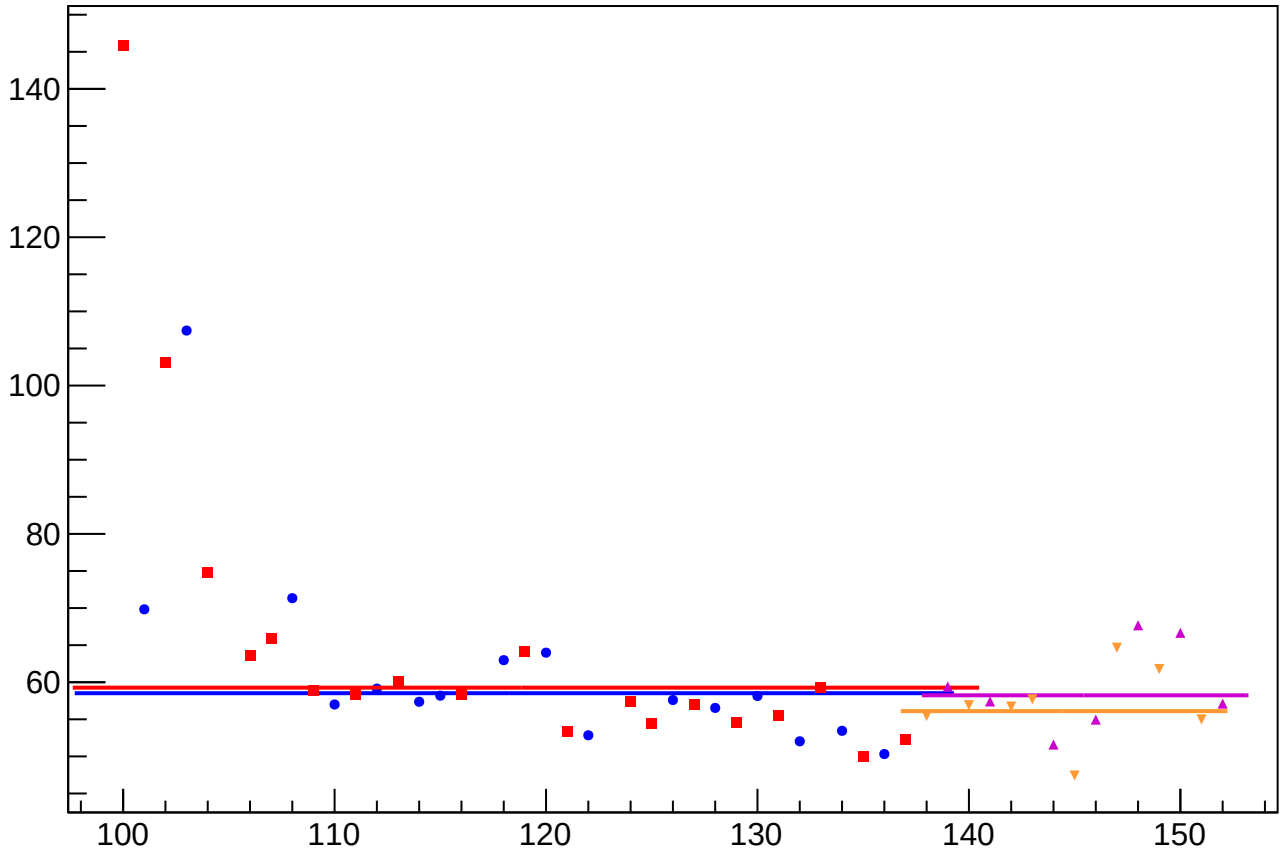
Left: -83.559+/-16.363 χ^2/NDF: 21.4/14

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -34.281+/-16.159 χ^2/NDF:43.9/22

Out: -17.998+/-15.839 χ^2/NDF:40.6/26

All: -25.976+/-11.311 χ^2/NDF: 84.9/49



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: 58.236+/-0.017 χ^2/NDF:98796.8/6

Left: 57.127+/-0.012 χ^2/NDF: 206974.7/14

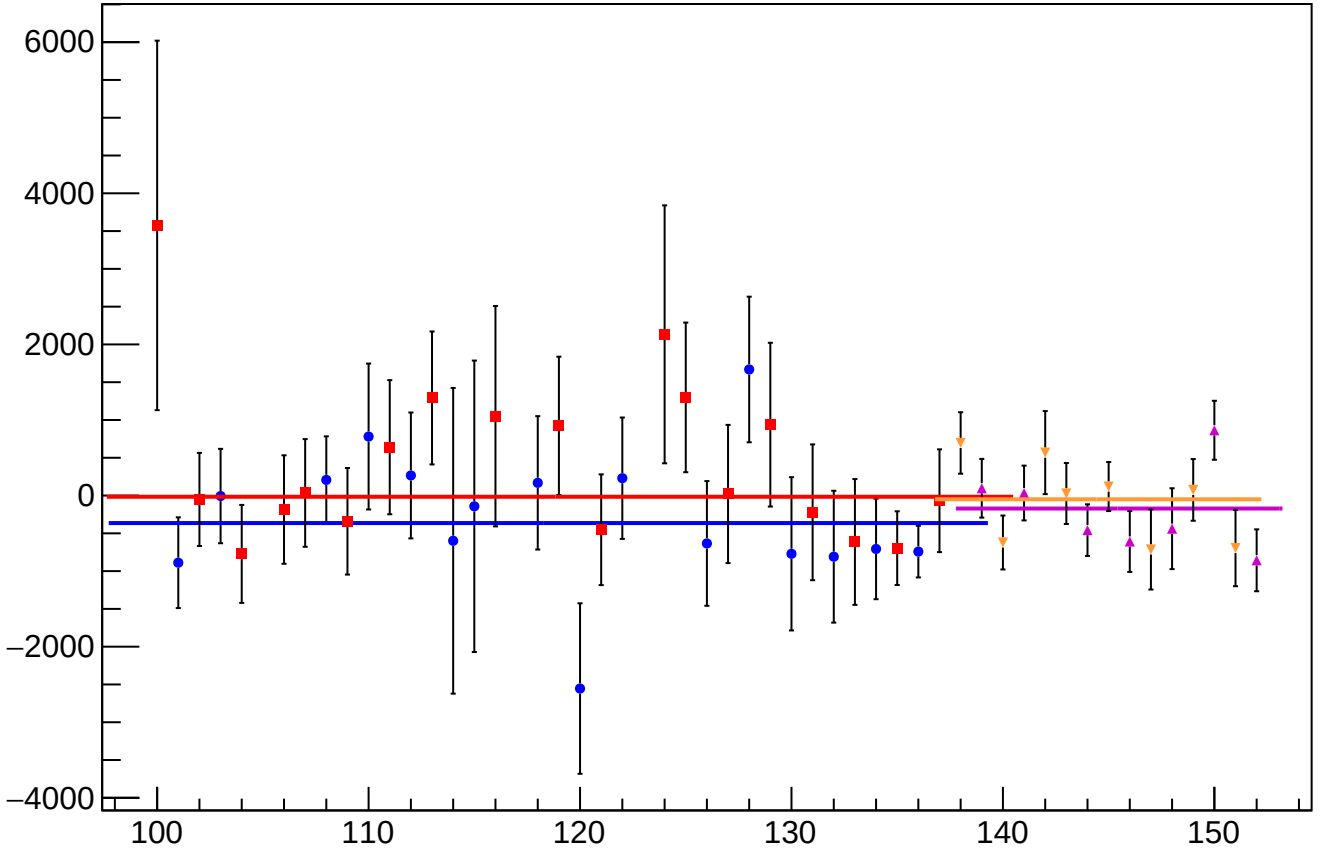
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.388+/-0.011 χ^2/NDF:491696.4/22

Out: 57.726+/-0.011 χ^2/NDF:525260.6/26

All: 58.050+/-0.008 χ^2/NDF: 1018673.2/49

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: -171.948+/-149.088 χ^2/NDF:12.8/6

Left: -109.869+/-104.649 χ^2/NDF: 23.9/14

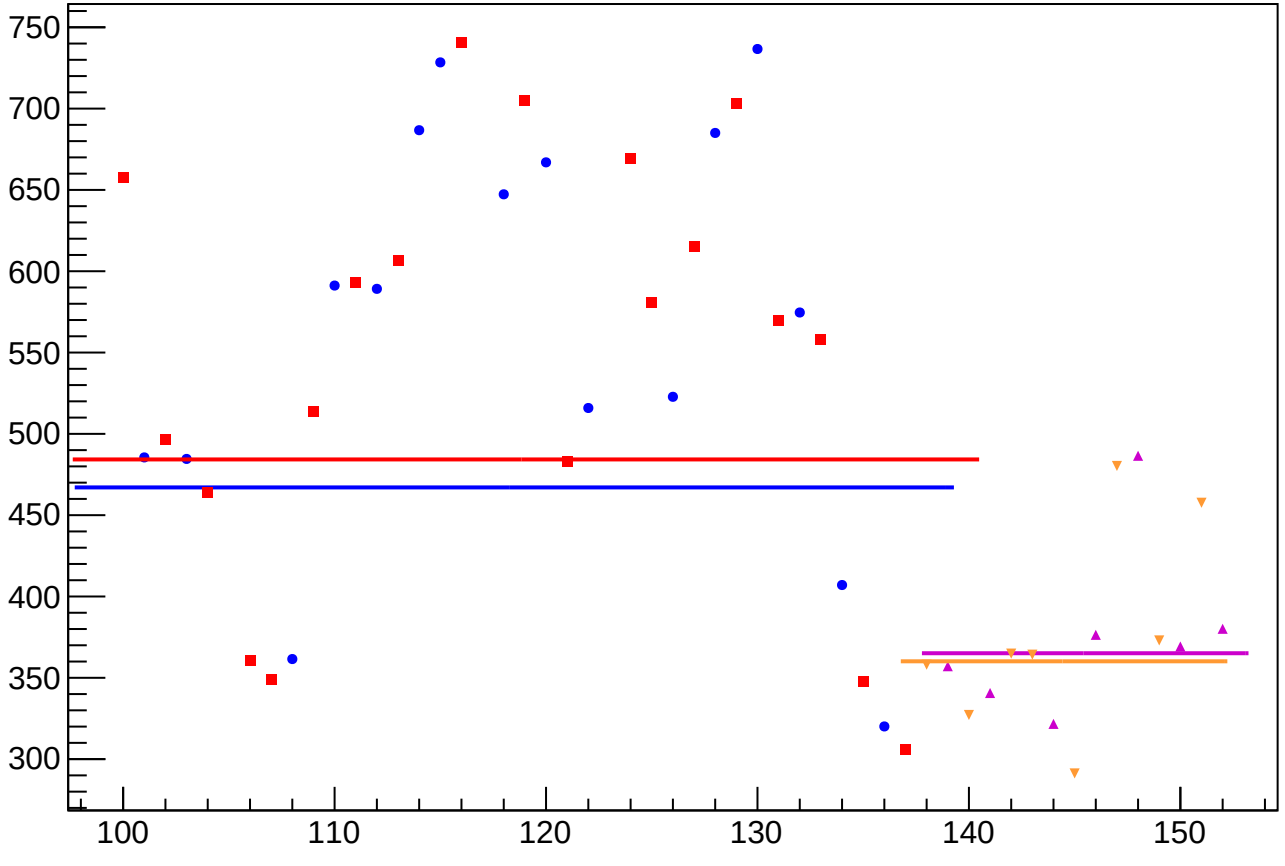
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -249.799+/-114.974 χ^2/NDF:28.7/22

Out: -36.506+/-114.730 χ^2/NDF:25.9/26

All: -142.925+/-81.212 χ^2/NDF: 56.3/49

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: 365.110+/-0.105 χ^2/NDF:149771.0/6

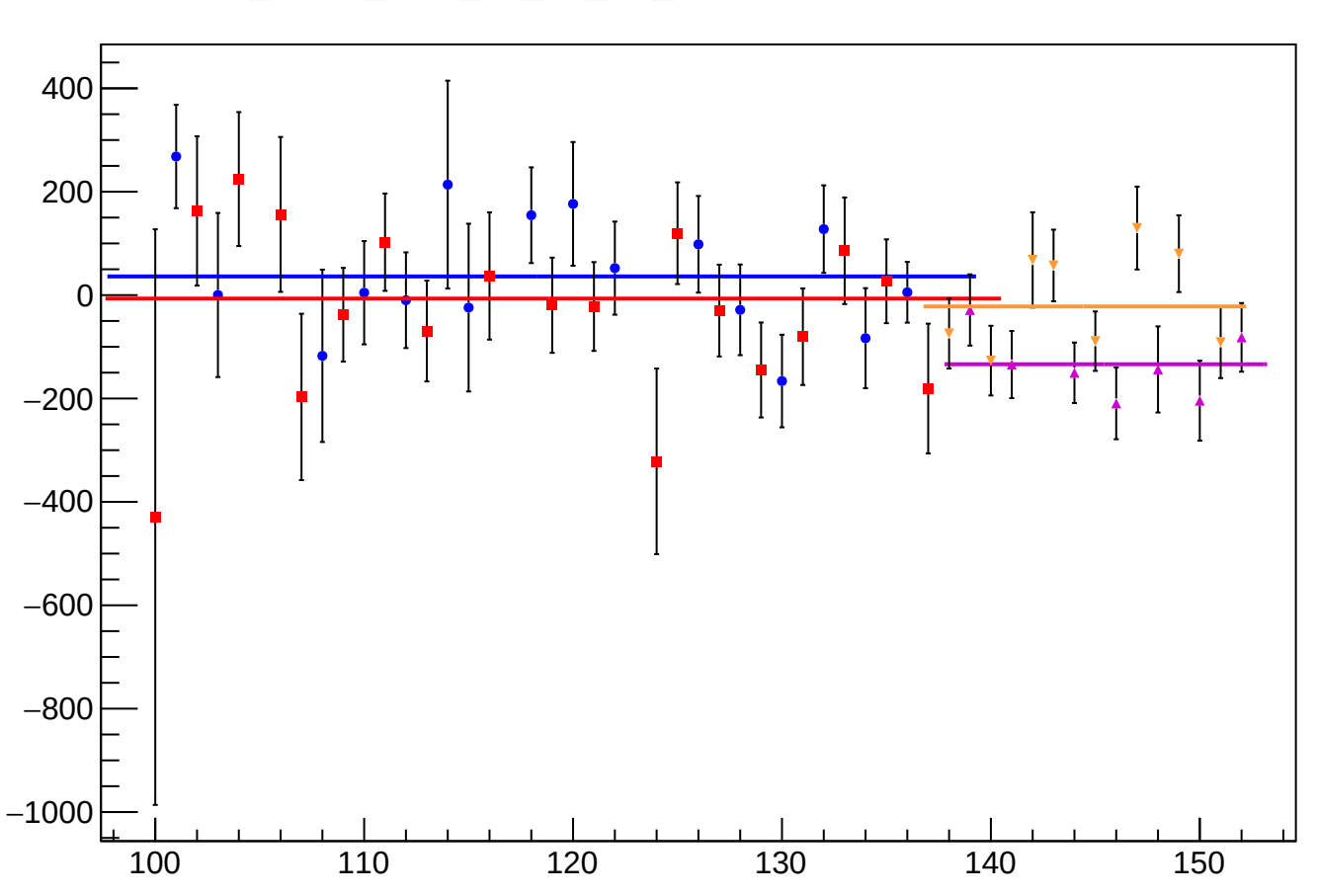
Left: 362.592+/-0.074 χ^2/NDF: 437797.8/14

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 406.432+/-0.081 χ^2/NDF:1559163.1/22

Out: 408.589+/-0.081 χ^2/NDF:1732782.9/26

All: 407.513+/-0.057 χ^2/NDF: 3292298.7/49



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: -133.738+/-25.940 χ^2/NDF:5.0/6

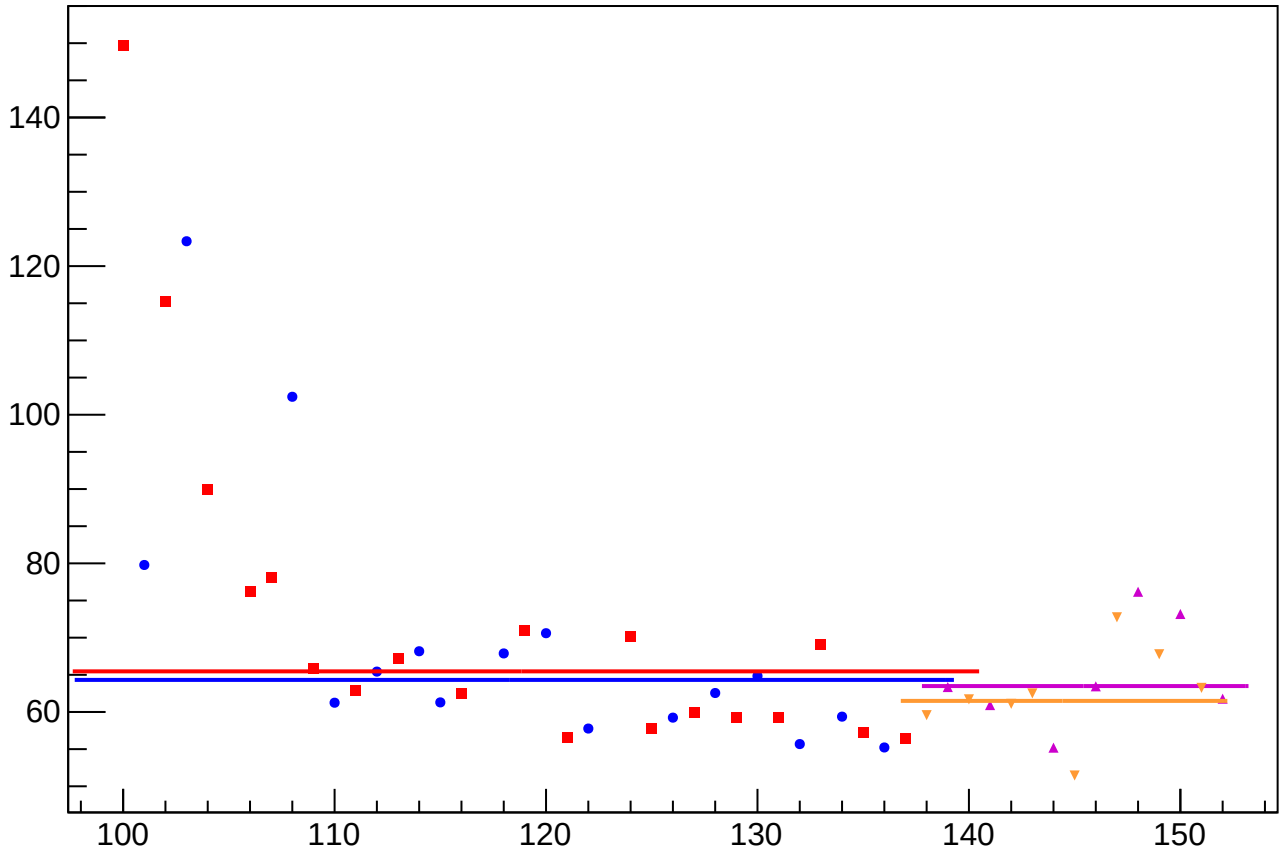
Left: -75.561+/-17.966 χ^2/NDF: 27.8/14

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -43.845+/-17.800 χ^2/NDF:47.4/22

Out: -14.224+/-17.490 χ^2/NDF:33.6/26

All: -28.774+/-12.475 χ^2/NDF: 82.4/49



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: 63.488+/-0.018 χ^2/NDF:122485.3/6

Left: 62.449+/-0.013 χ^2/NDF: 246771.8/14

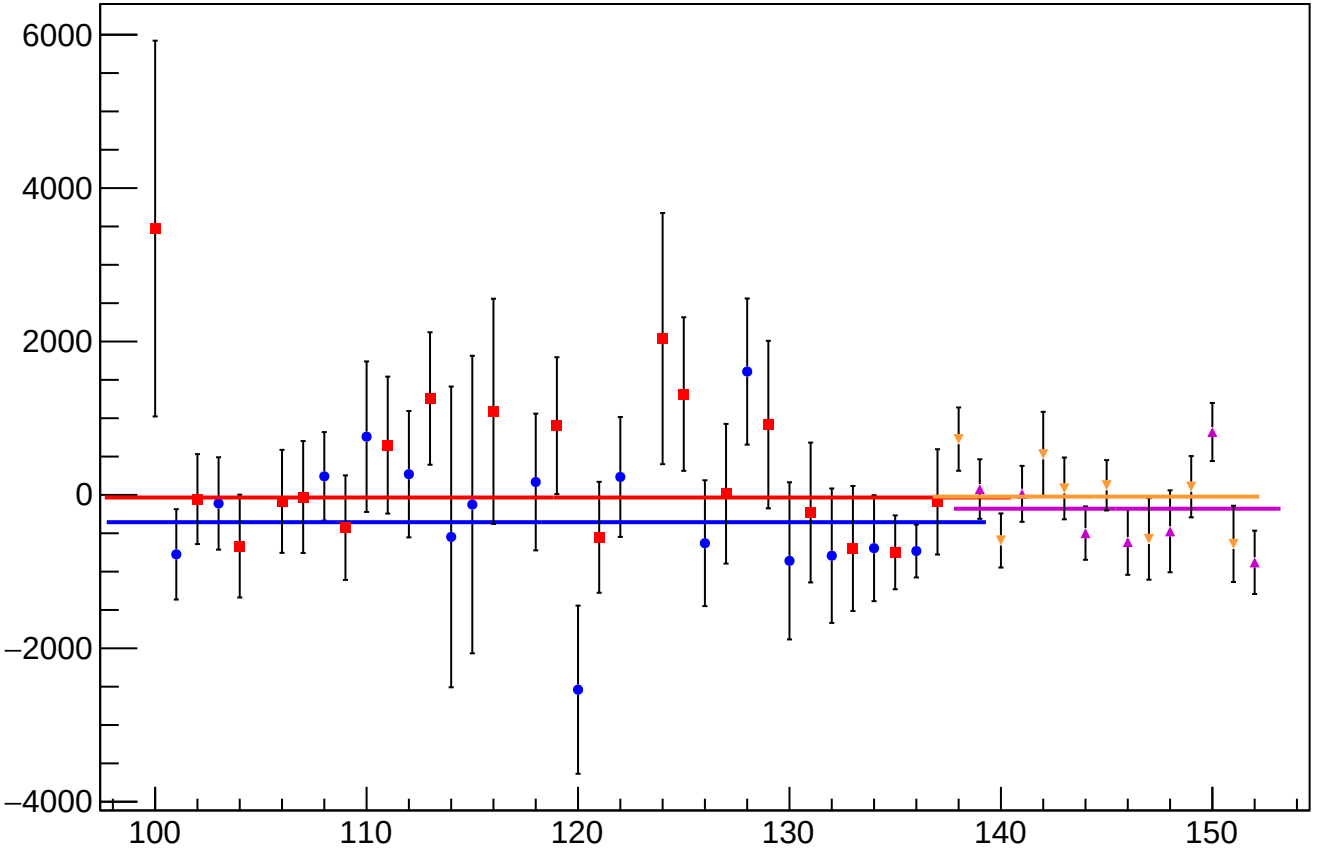
Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.926+/-0.013 χ^2/NDF:655630.1/22

Out: 63.506+/-0.012 χ^2/NDF:626299.1/26

All: 63.713+/-0.009 χ^2/NDF: 1282494.7/49

asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -22.210+/-146.702 χ^2/NDF:9.9/7

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -179.951+/-150.361 χ^2/NDF:12.7/6

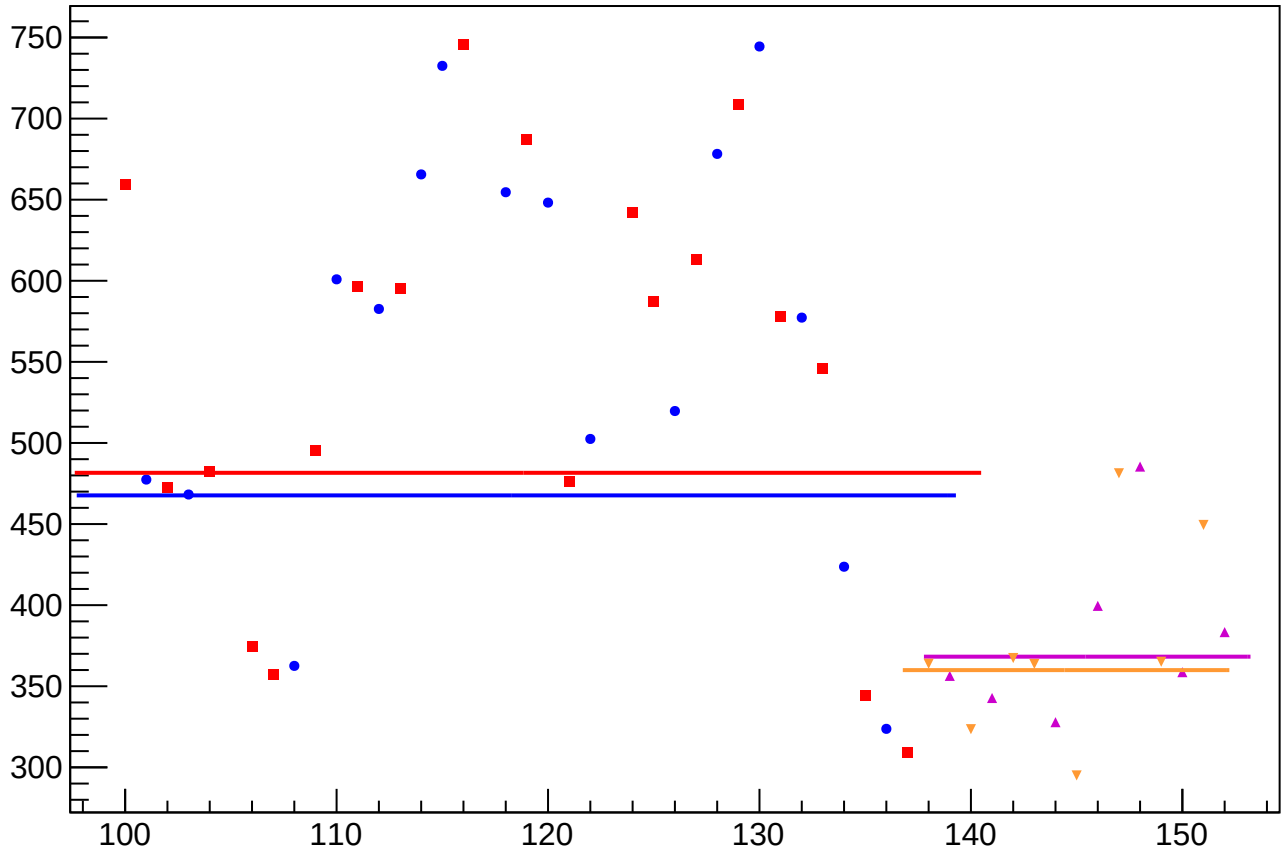
Left: -99.138+/-105.004 χ^2/NDF: 23.2/14

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -251.956+/-115.485 χ^2/NDF:28.1/22

Out: -26.782+/-114.108 χ^2/NDF:25.3/26

All: -138.019+/-81.169 χ^2/NDF: 55.3/49



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: 368.240+/-0.106 χ^2/NDF:149565.2/6

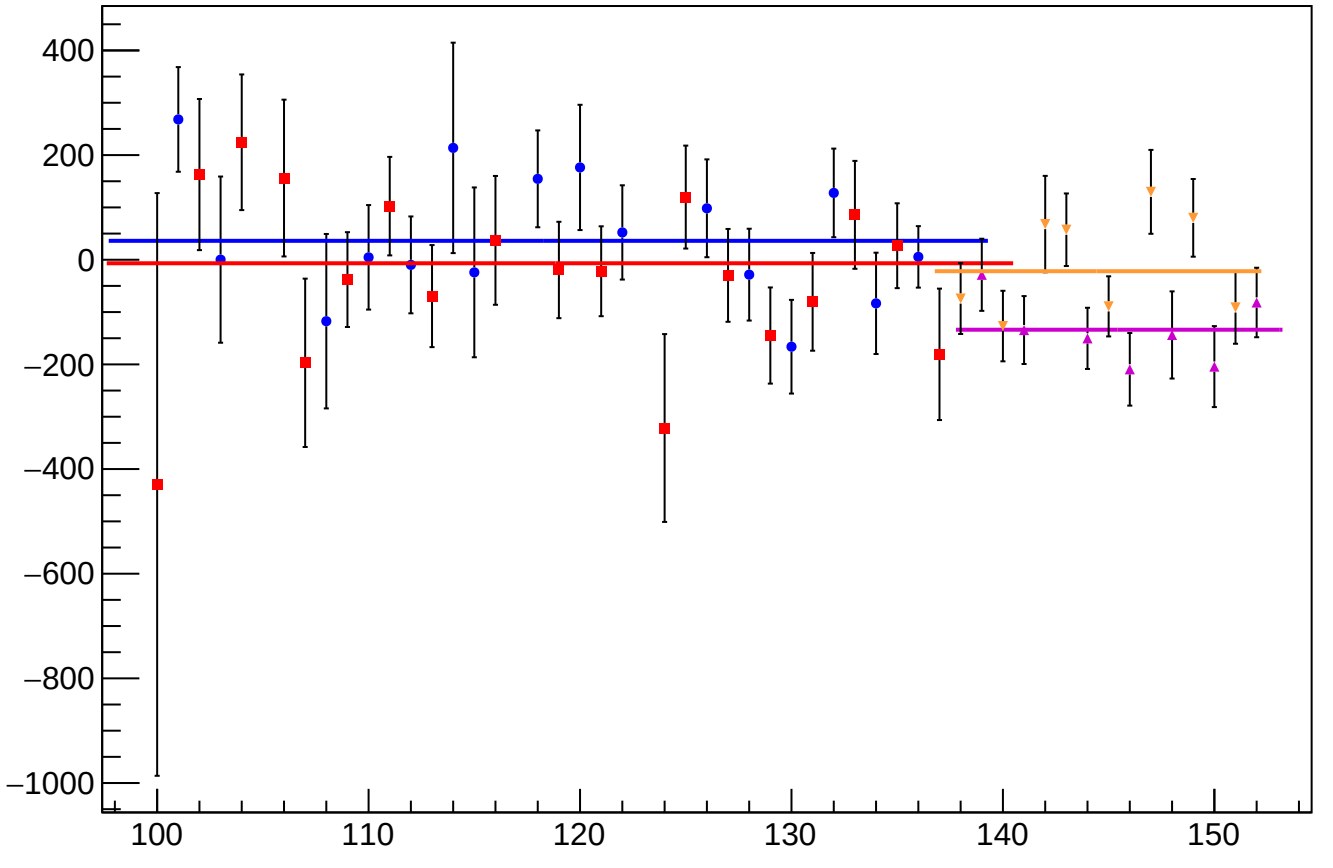
Left: 363.991+/-0.074 χ^2/NDF: 422456.7/14

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 409.018+/-0.082 χ^2/NDF:1494201.4/22

Out: 407.998+/-0.081 χ^2/NDF:1667296.5/26

All: 408.502+/-0.057 χ^2/NDF: 3161576.7/49



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -21.924+/-24.907 χ^2/NDF:13.1/7

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -133.738+/-25.940 χ^2/NDF:5.0/6

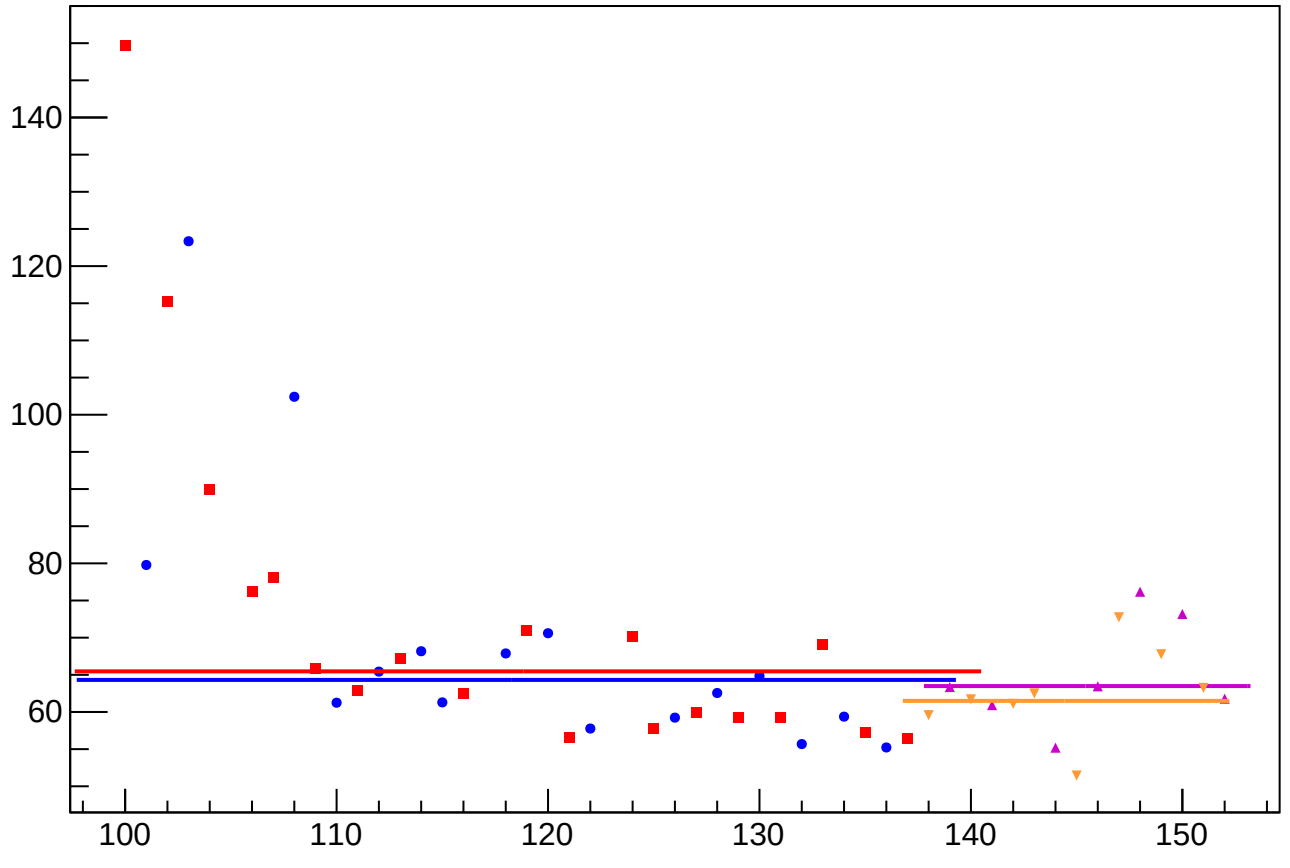
Left: -75.560+/-17.966 χ^2/NDF: 27.8/14

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -43.844+/-17.800 χ^2/NDF:47.4/22

Out: -14.224+/-17.490 χ^2/NDF:33.6/26

All: -28.774+/-12.475 χ^2/NDF: 82.4/49



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: 63.488+/-0.018 χ^2/NDF:122487.5/6

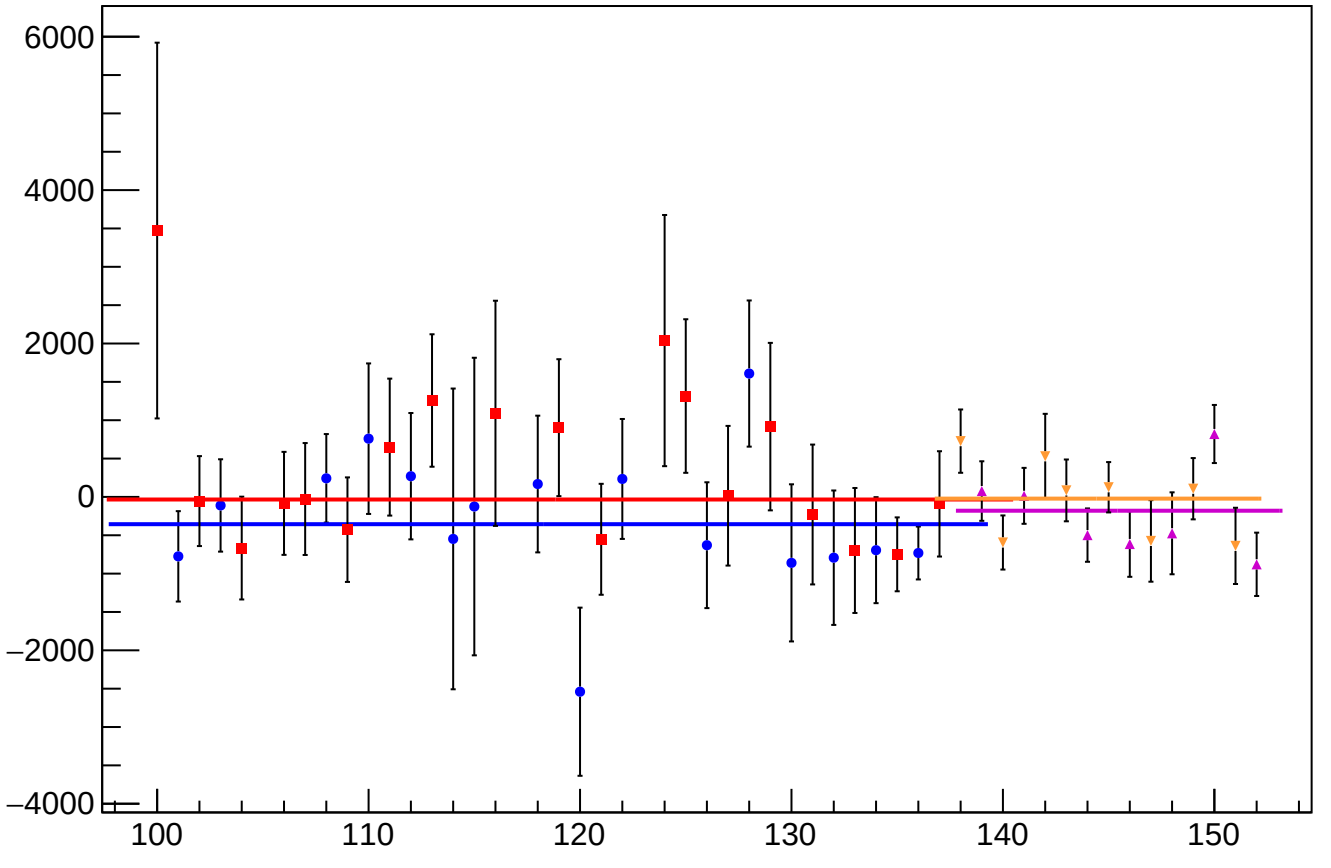
Left: 62.449+/-0.013 χ^2/NDF: 246776.9/14

Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.926+/-0.013 χ^2/NDF:655640.2/22

Out: 63.506+/-0.012 χ^2/NDF:626305.8/26

All: 63.713+/-0.009 χ^2/NDF: 1282511.6/49



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: -179.952+/-150.361 χ^2/NDF:12.7/6

Left: -99.138+/-105.004 χ^2/NDF: 23.2/14

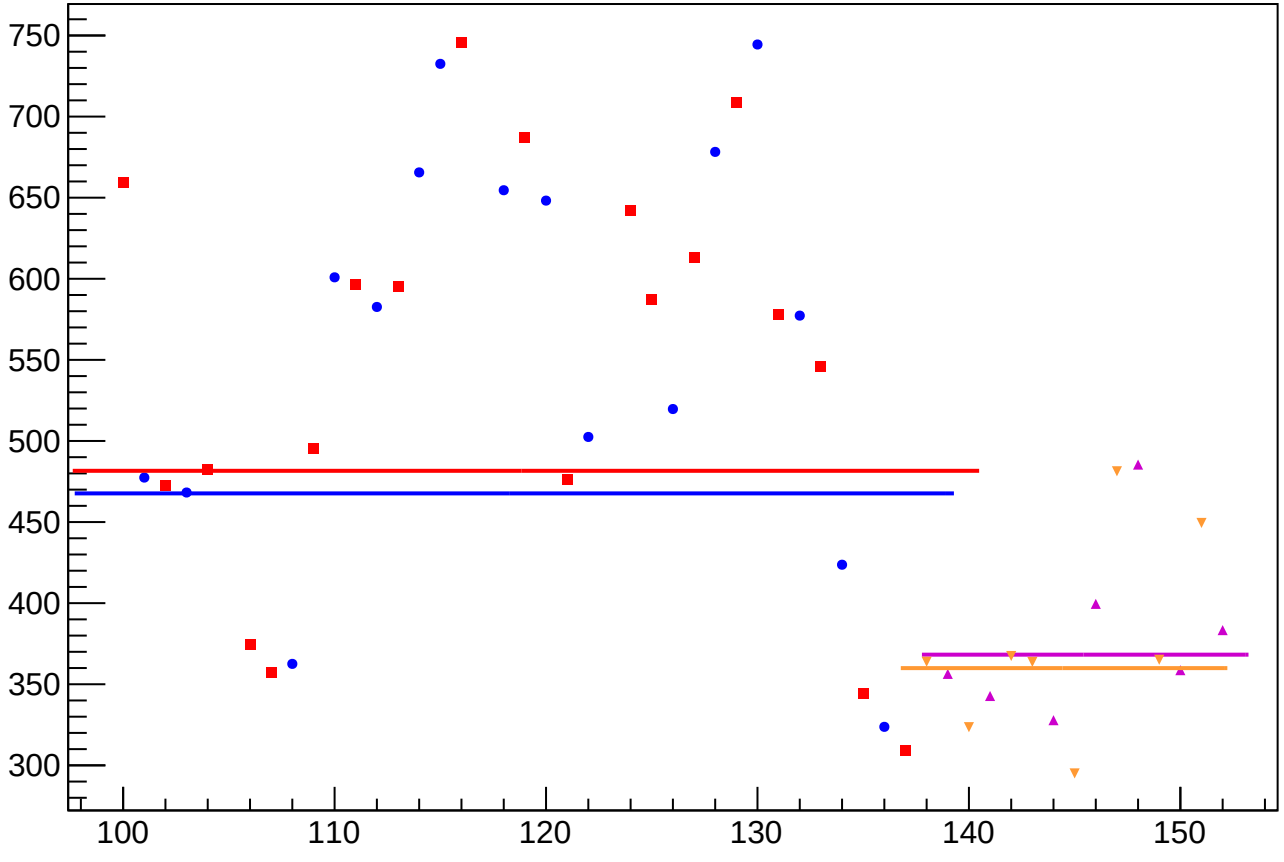
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -251.956+/-115.485 χ^2/NDF:28.1/22

Out: -26.783+/-114.108 χ^2/NDF:25.3/26

All: -138.019+/-81.169 χ^2/NDF: 55.3/49

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: 368.240+/-0.106 χ^2/NDF:149564.8/6

Left: 363.991+/-0.074 χ^2/NDF: 422455.7/14

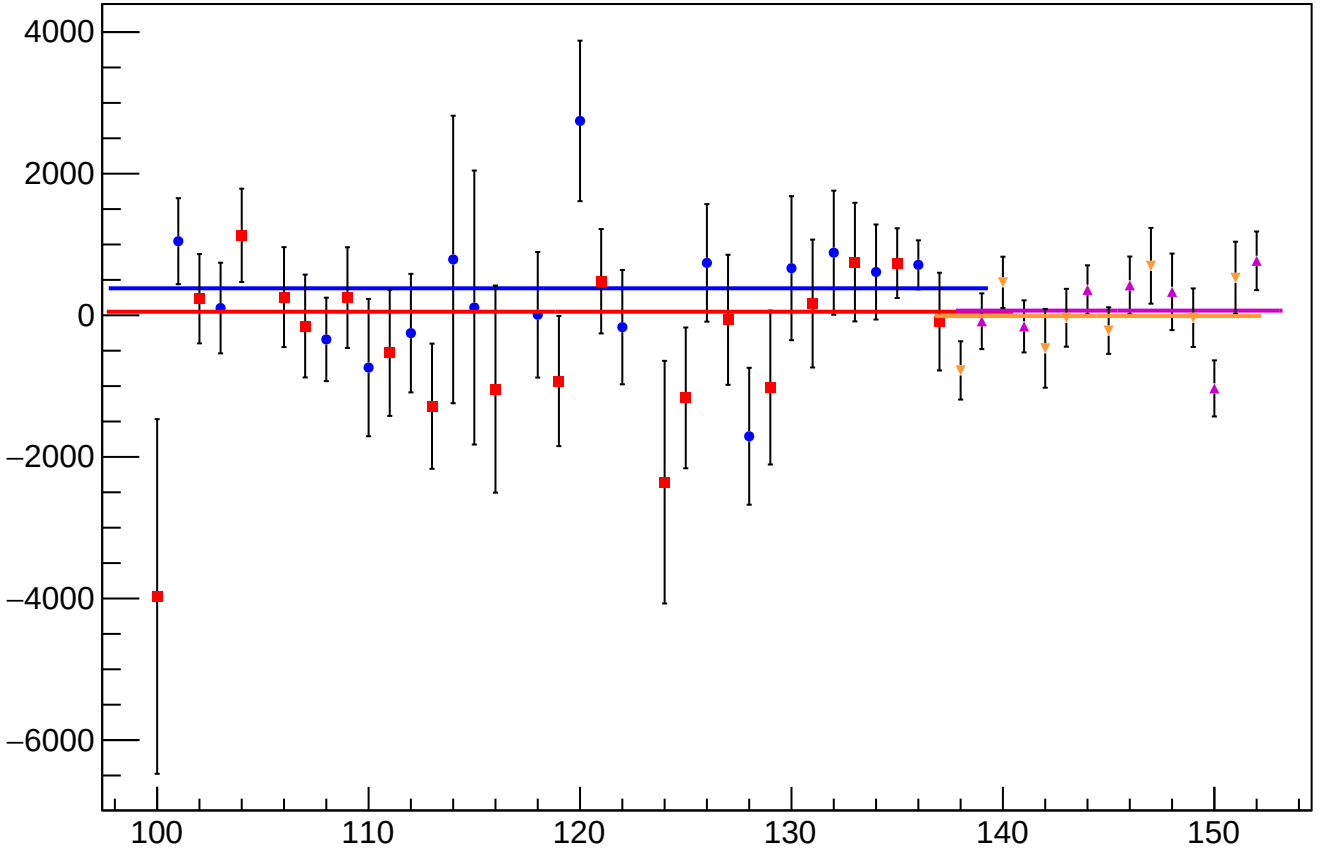
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 409.018+/-0.082 χ^2/NDF:1494196.4/22

Out: 407.998+/-0.081 χ^2/NDF:1667288.1/26

All: 408.502+/-0.057 χ^2/NDF: 3161563.4/49

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: 66.070+/-151.039 χ^2/NDF:12.8/6

Left: 27.103+/-105.993 χ^2/NDF: 22.1/14

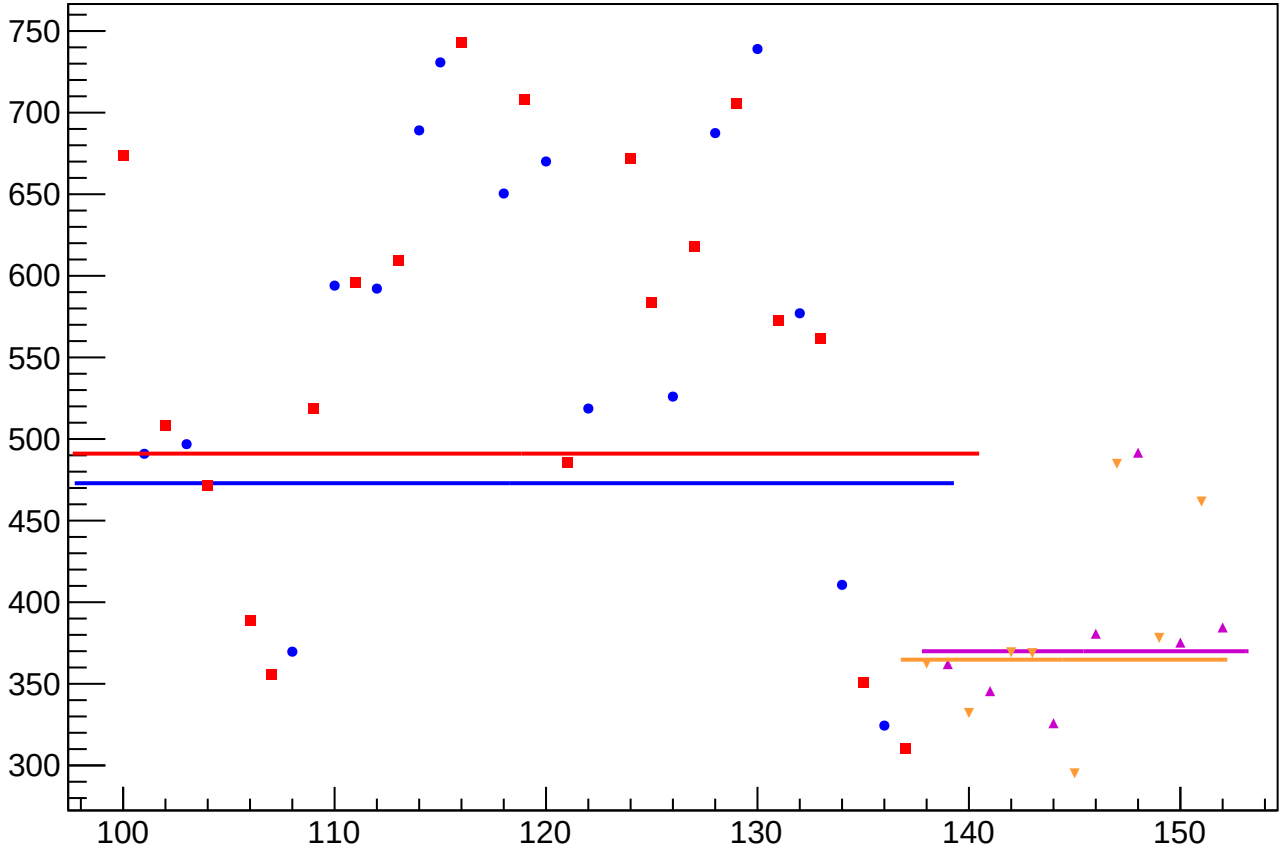
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 193.997+/-116.398 χ^2/NDF:30.7/22

Out: 13.248+/-116.004 χ^2/NDF:26.7/26

All: 103.315+/-82.166 χ^2/NDF: 58.6/49

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: 369.968+/-0.107 χ^2/NDF:147699.2/6

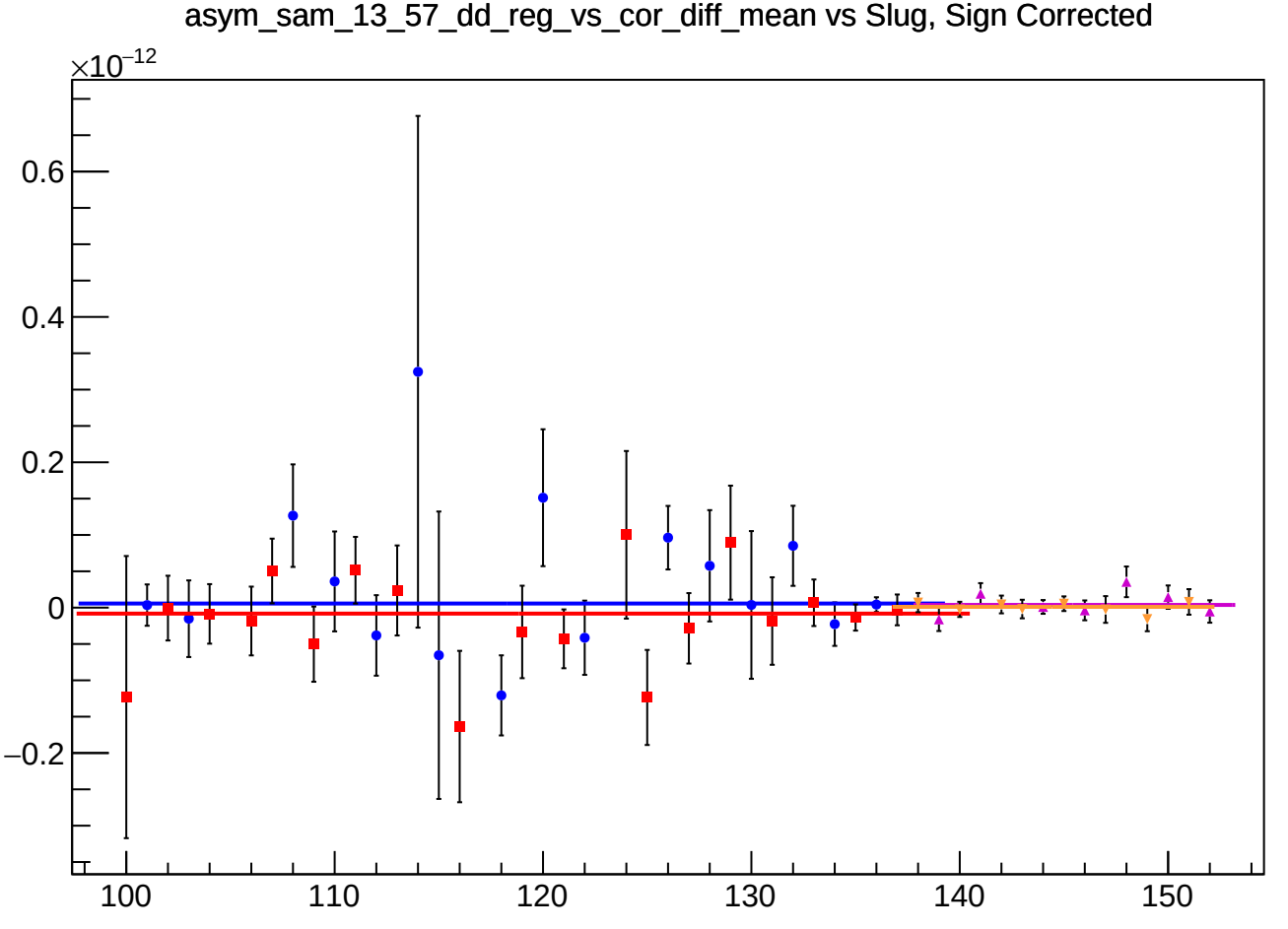
Left: 367.350+/-0.075 χ^2/NDF: 430317.7/14

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 411.778+/-0.082 χ^2/NDF:1525361.1/22

Out: 414.311+/-0.082 χ^2/NDF:1693592.3/26

All: 413.049+/-0.058 χ^2/NDF: 3219428.4/49



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:6.1/6

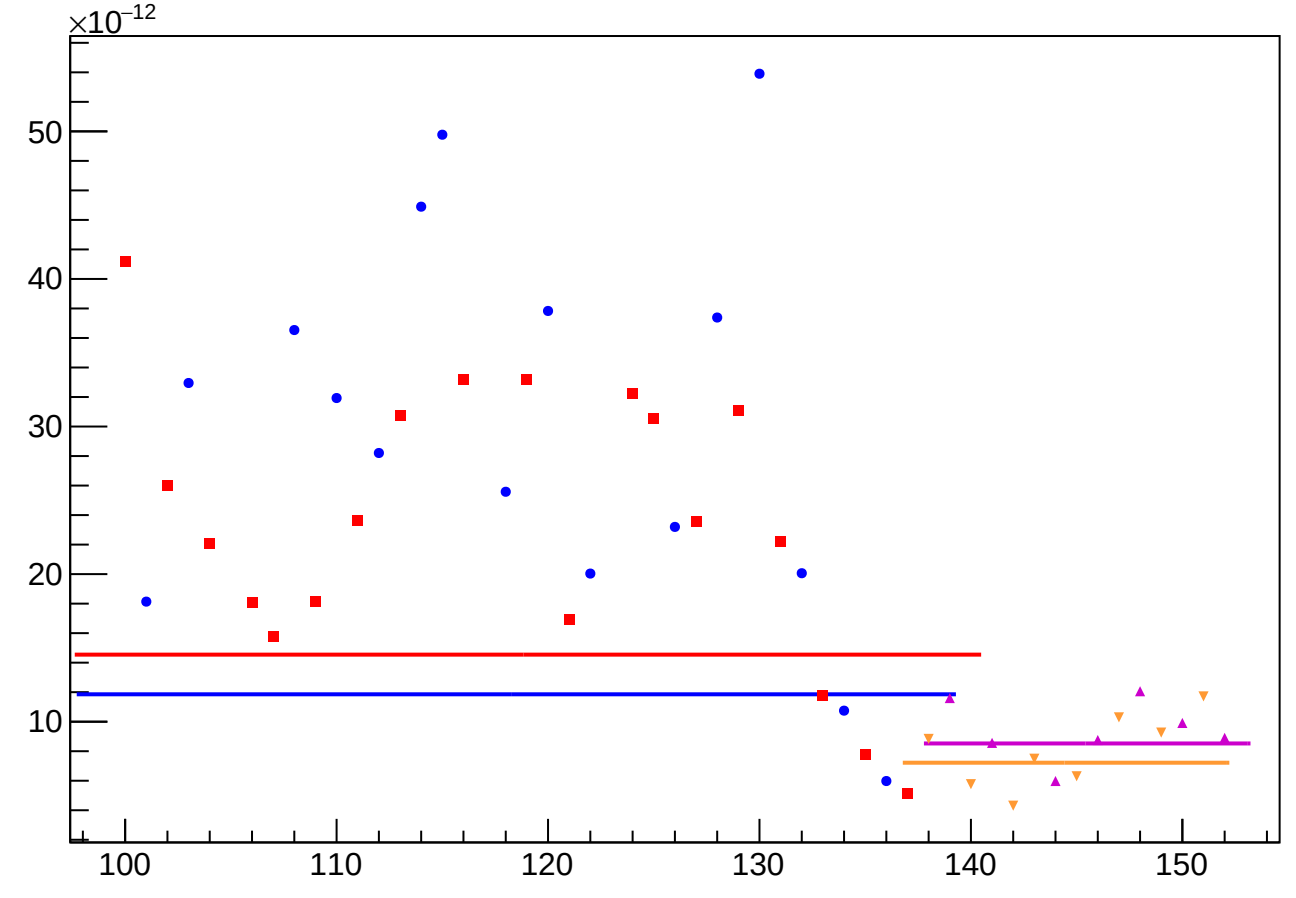
Left: 0.000+/-0.000 χ^2/NDF: 8.1/14

Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:27.3/22

Out: -0.000+/-0.000 χ^2/NDF:16.6/26

All: 0.000+/-0.000 χ^2/NDF: 44.6/49



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:291269.2/6

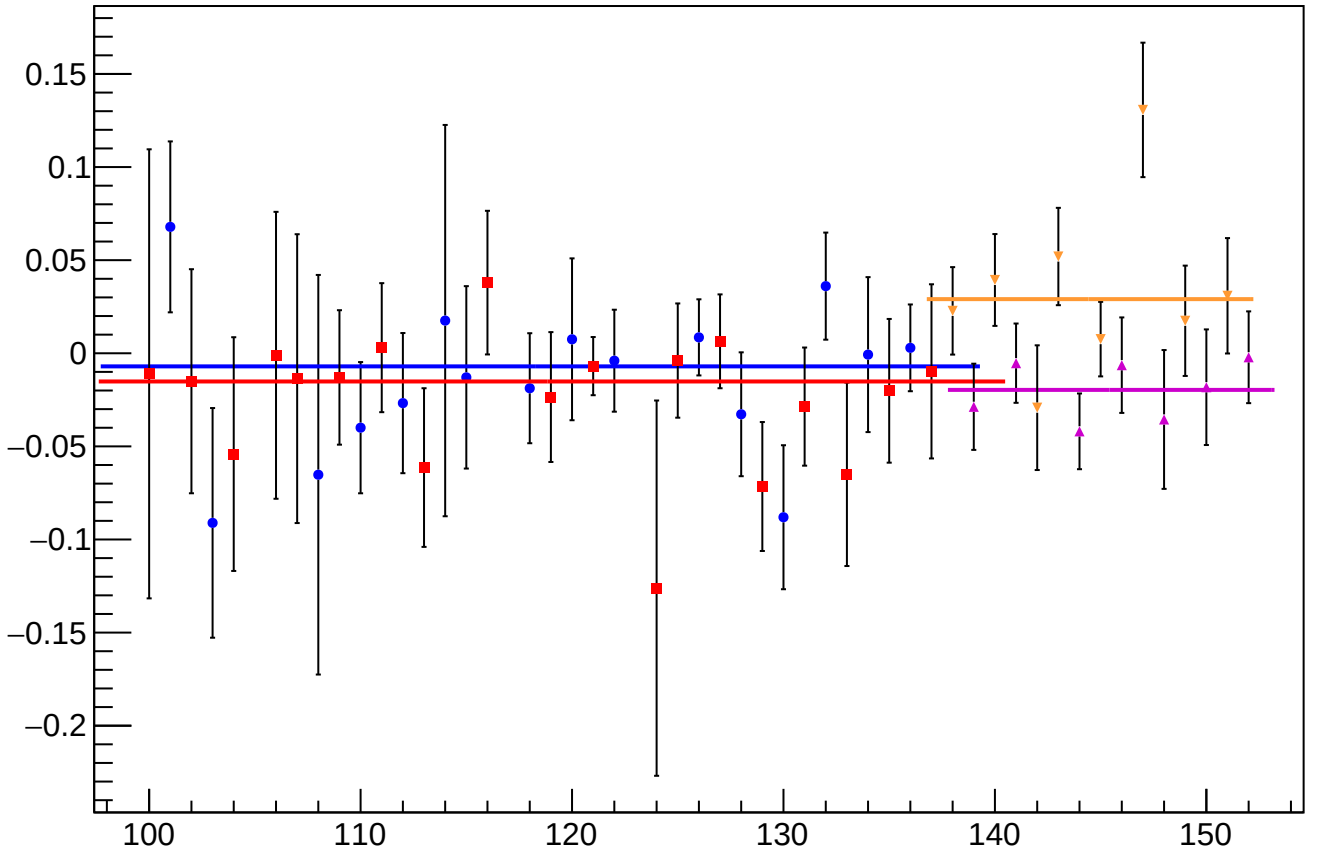
Left: 0.000+/-0.000 χ^2/NDF: 776442.4/14

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:3376096.2/22

Out: 0.000+/-0.000 χ^2/NDF:3184190.7/26

All: 0.000+/-0.000 χ^2/NDF: 6601124.6/49



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: -0.020+/-0.009 χ^2/NDF:2.8/6

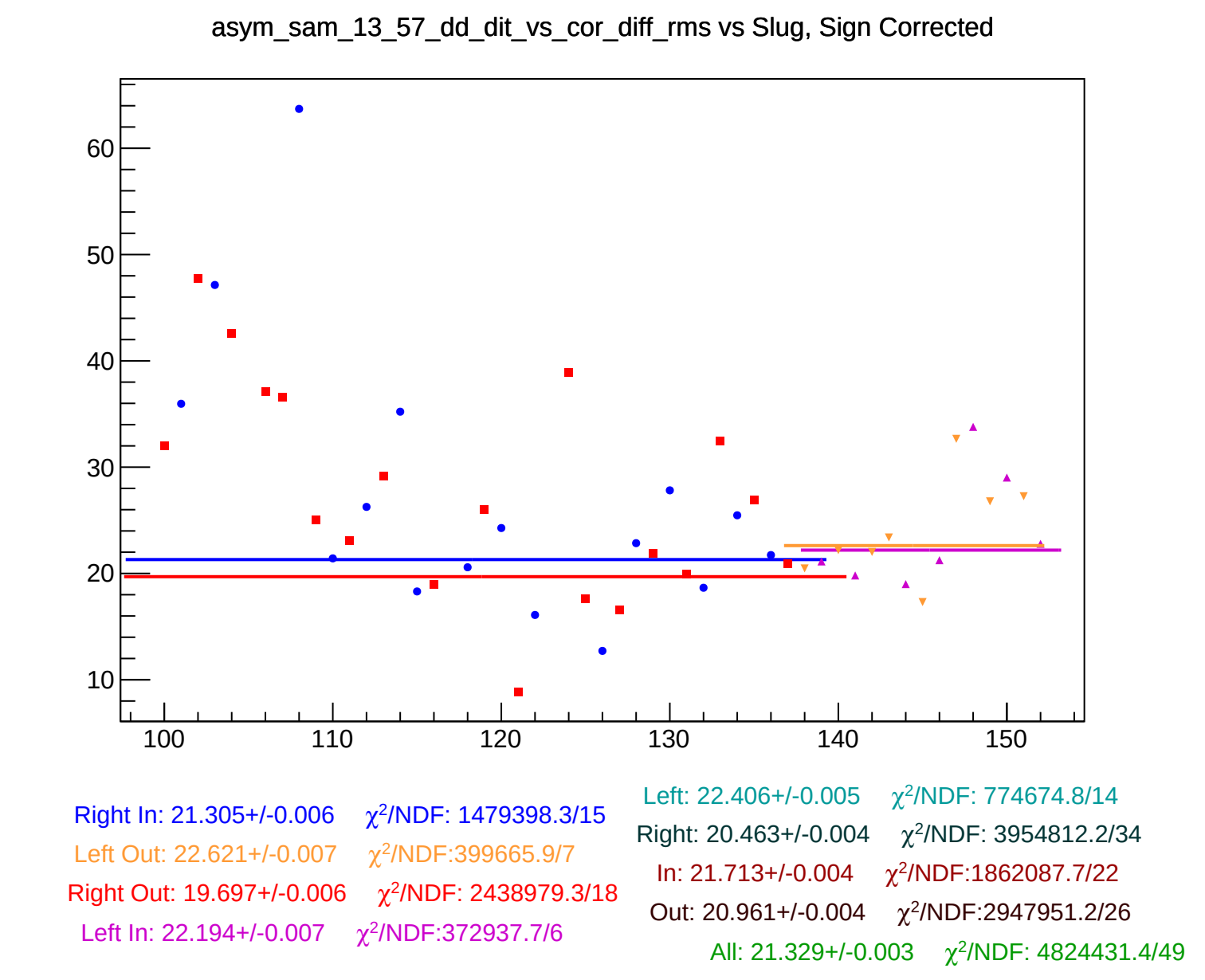
Left: 0.005+/-0.007 χ^2/NDF: 29.5/14

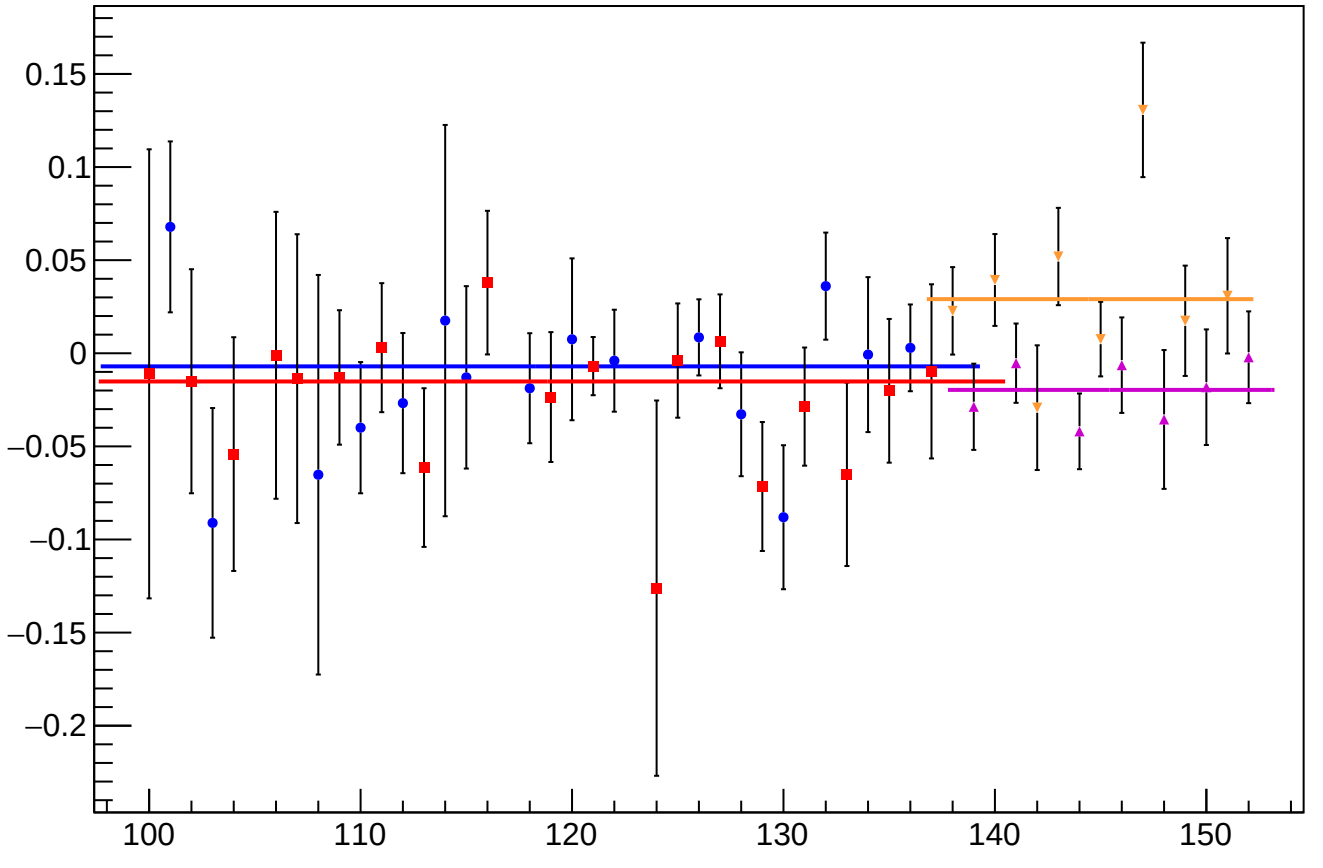
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.006 χ^2/NDF:18.1/22

Out: 0.004+/-0.006 χ^2/NDF:35.8/26

All: -0.004+/-0.004 χ^2/NDF: 57.5/49


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: 22.194+/-0.007 χ²/NDF:372937.7/6
Left: 22.406+/-0.005 χ²/NDF: 774674.8/14
Right: 20.463+/-0.004 χ²/NDF: 3954812.2/34
In: 21.713+/-0.004 χ²/NDF:1862087.7/22
Out: 20.961+/-0.004 χ²/NDF:2947951.2/26
All: 21.329+/-0.003 χ²/NDF: 4824431.4/49



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: -0.020+/-0.009 χ^2/NDF:2.8/6

Left: 0.005+/-0.007 χ^2/NDF: 29.5/14

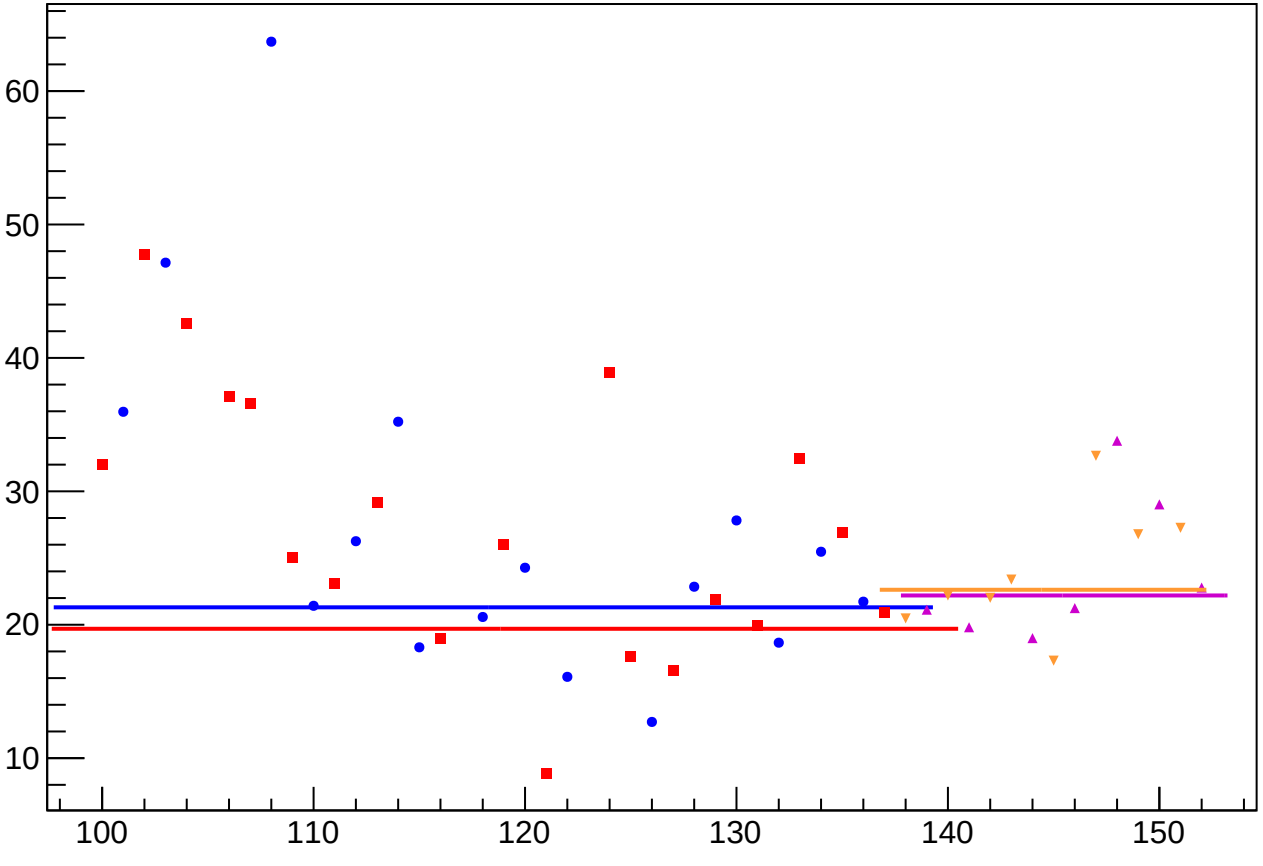
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.006 χ^2/NDF:18.1/22

Out: 0.004+/-0.006 χ^2/NDF:35.8/26

All: -0.004+/-0.004 χ^2/NDF: 57.5/49

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.621+/-0.007 χ^2/NDF:399665.9/7

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 22.194+/-0.007 χ^2/NDF:372937.7/6

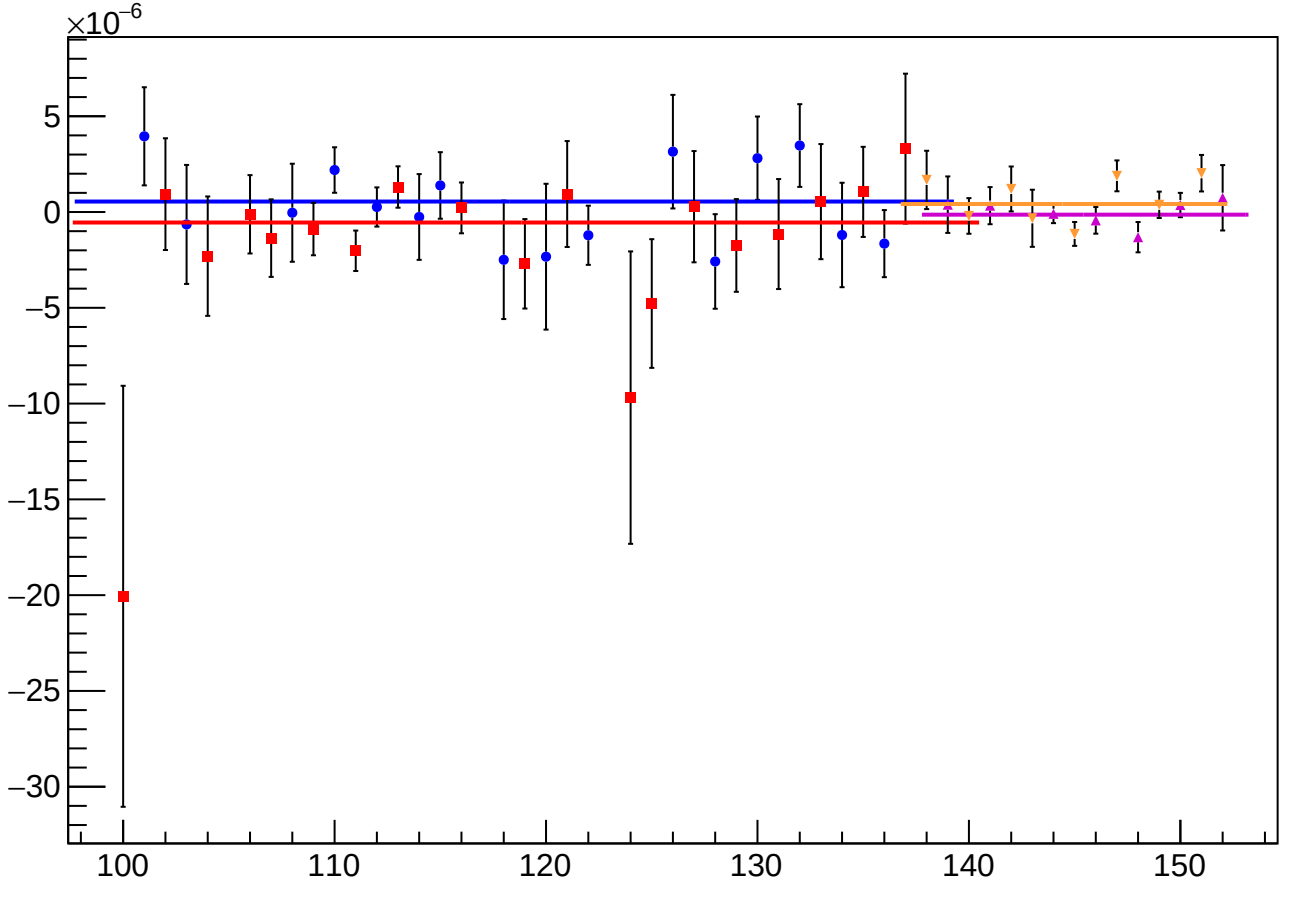
Left: 22.406+/-0.005 χ^2/NDF: 774674.8/14

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.713+/-0.004 χ^2/NDF:1862087.7/22

Out: 20.961+/-0.004 χ^2/NDF:2947951.2/26

All: 21.329+/-0.003 χ^2/NDF: 4824431.4/49



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:3.7/6

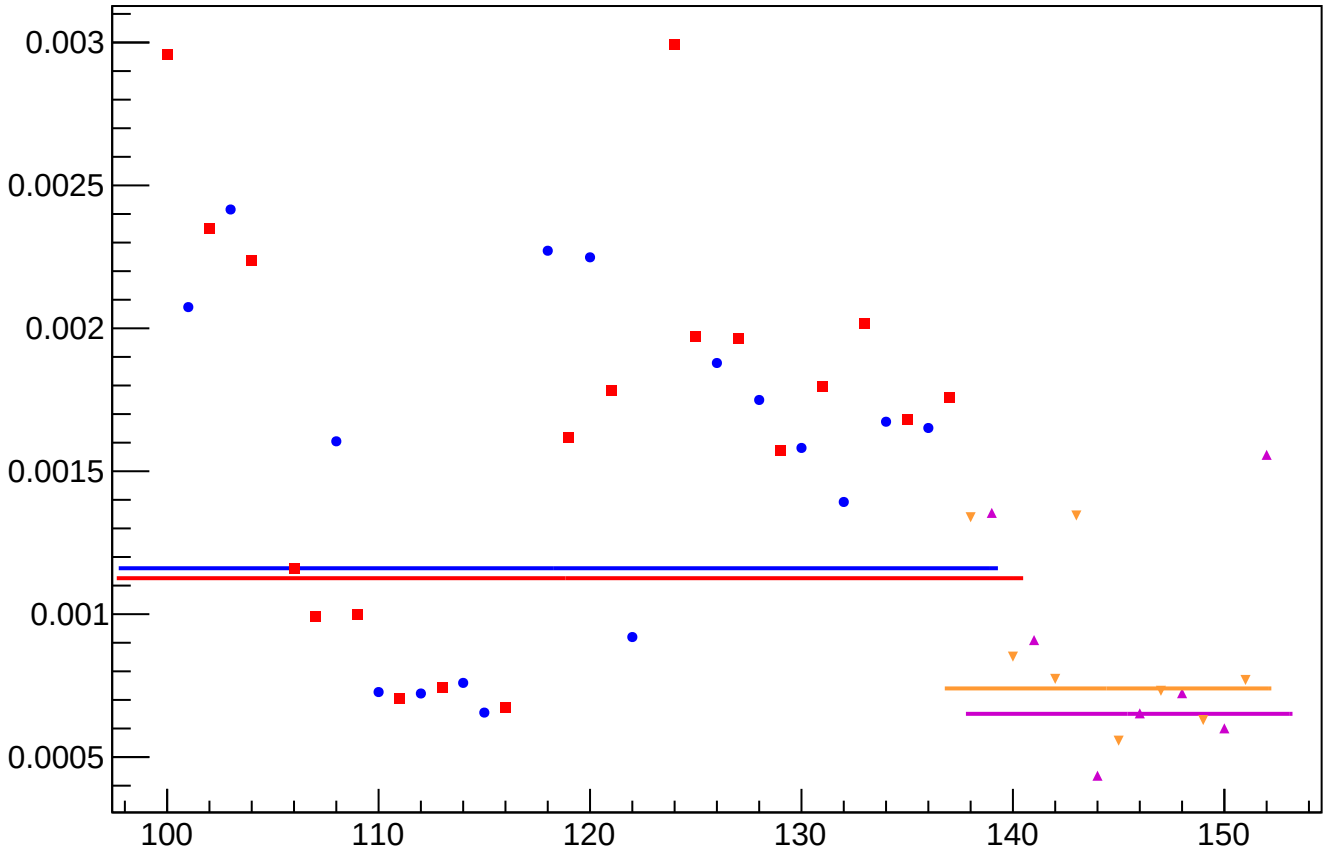
Left: 0.000+/-0.000 χ^2/NDF: 19.6/14

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: 0.000+/-0.000 χ^2/NDF:19.6/22

Out: 0.000+/-0.000 χ^2/NDF:32.6/26

All: 0.000+/-0.000 χ^2/NDF: 52.3/49



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:1581065.1/6

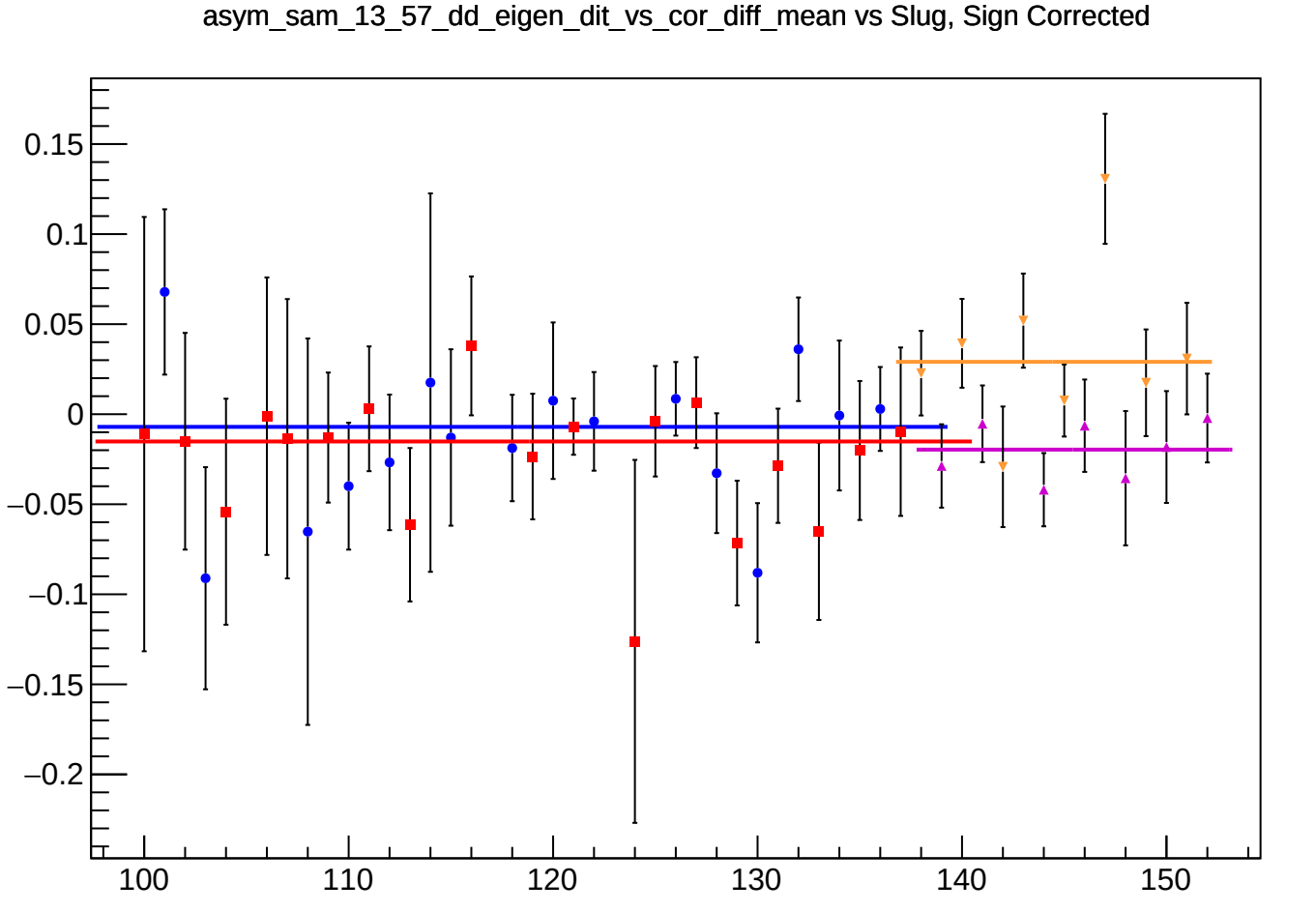
Left: 0.001+/-0.000 χ^2/NDF: 2562961.3/14

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:5782722.9/22

Out: 0.001+/-0.000 χ^2/NDF:4480136.4/26

All: 0.001+/-0.000 χ^2/NDF: 10358453.2/49



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: -0.020+/-0.009 χ^2/NDF:2.8/6

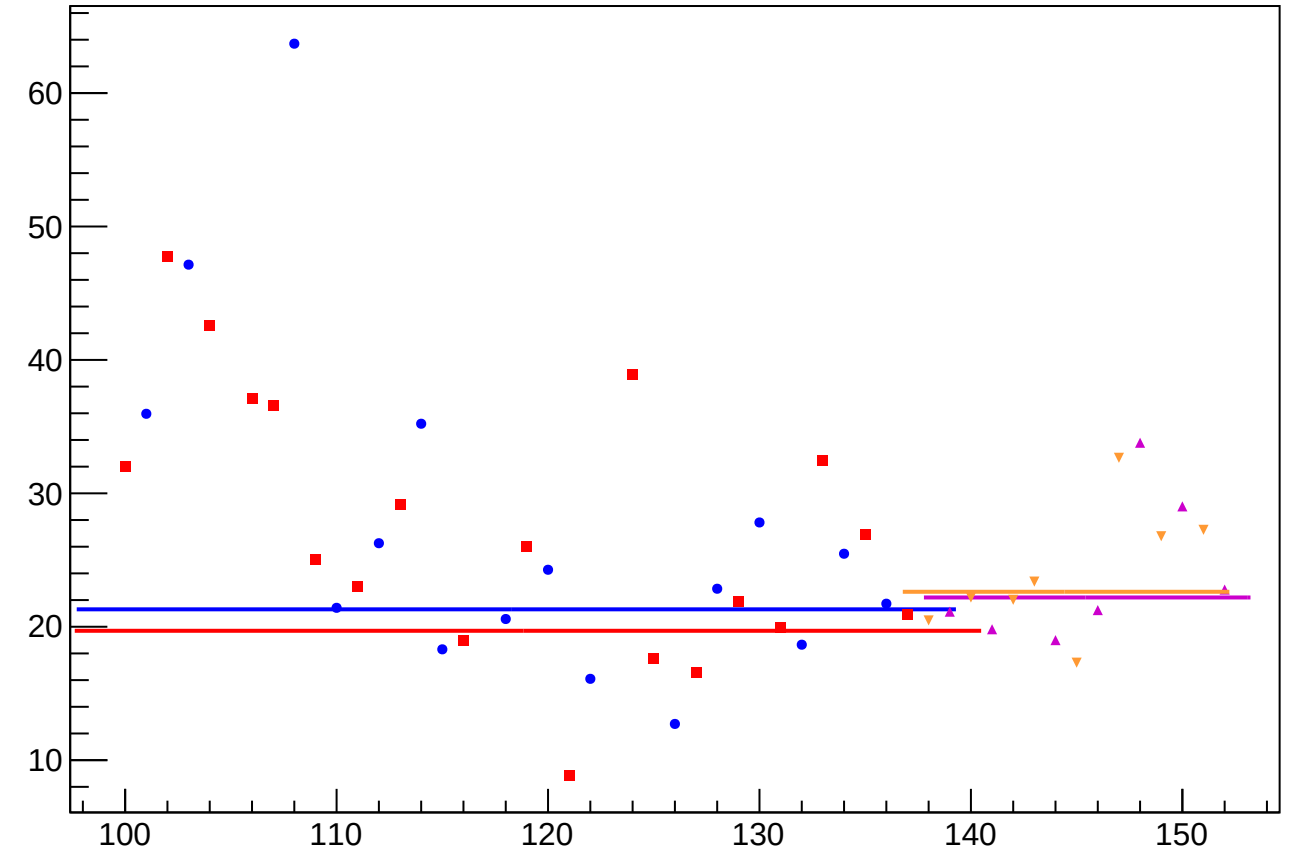
Left: 0.005+/-0.007 χ^2/NDF: 29.5/14

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.006 χ^2/NDF:18.1/22

Out: 0.004+/-0.006 χ^2/NDF:35.8/26

All: -0.004+/-0.004 χ^2/NDF: 57.5/49



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: 22.194+/-0.007 χ^2/NDF:372949.4/6

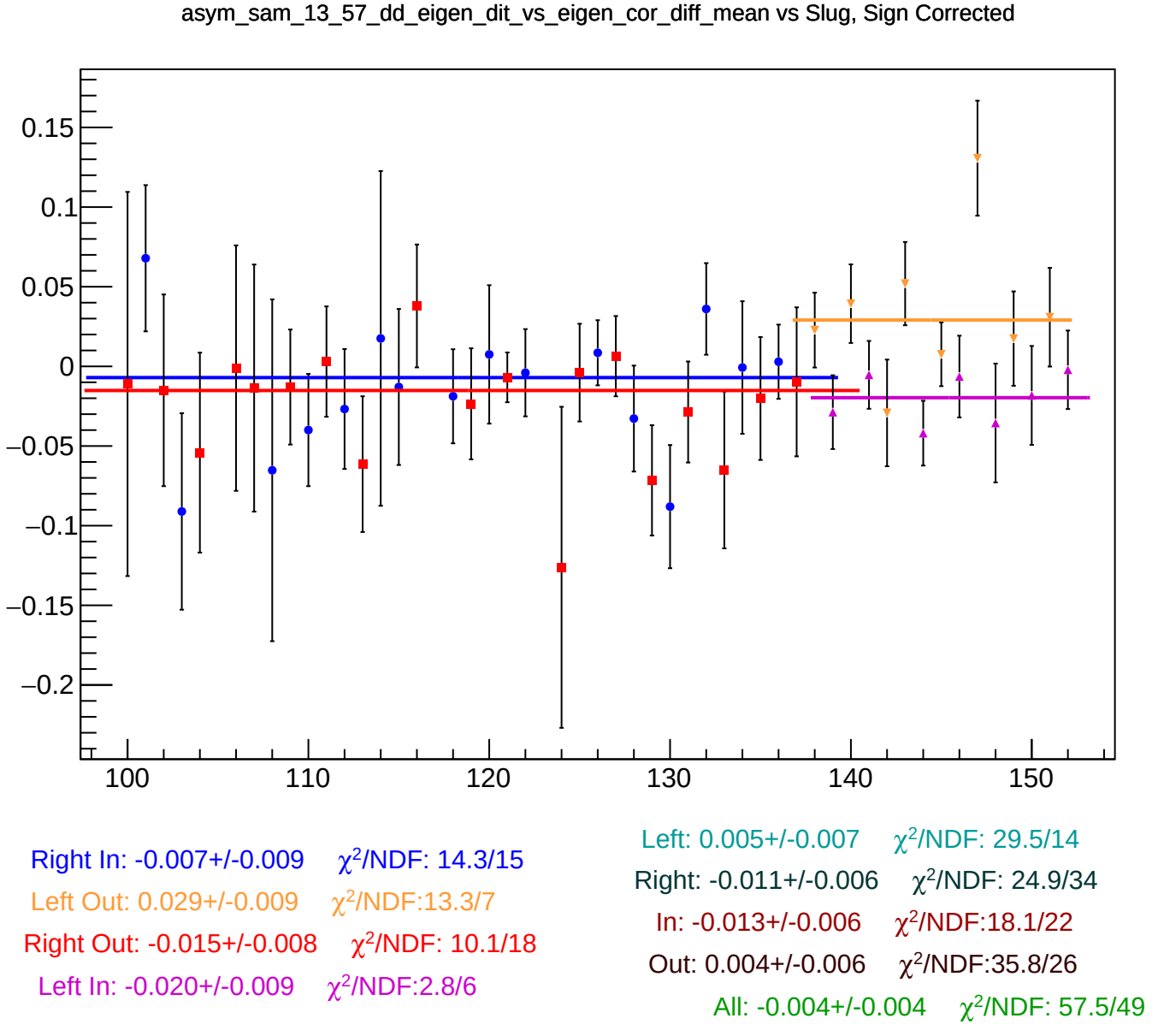
Left: 22.406+/-0.005 χ^2/NDF: 774717.5/14

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

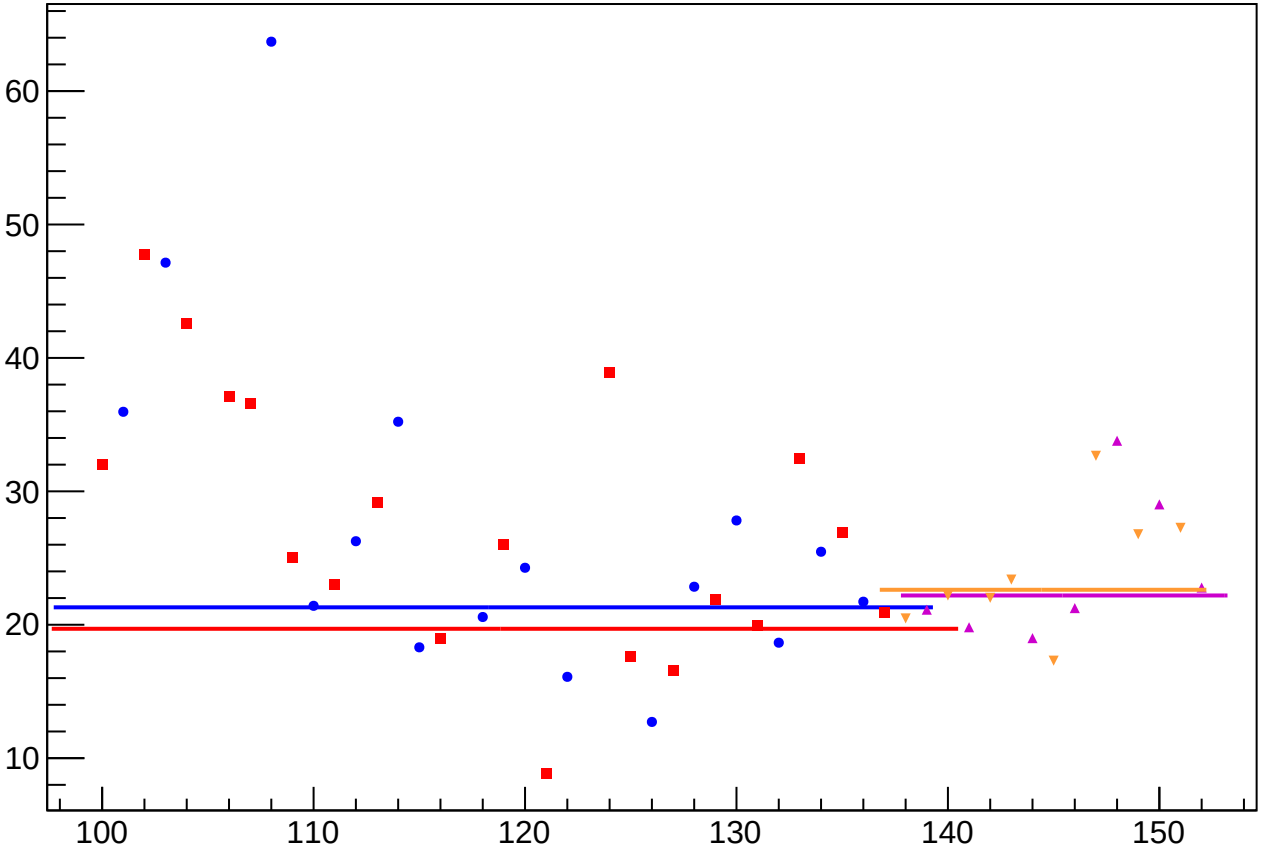
In: 21.714+/-0.004 χ^2/NDF:1861932.2/22

Out: 20.962+/-0.004 χ^2/NDF:2947575.7/26

All: 21.329+/-0.003 χ^2/NDF: 4823894.2/49


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.029+/-0.009 χ²/NDF:13.3/7
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.020+/-0.009 χ²/NDF:2.8/6
Left: 0.005+/-0.007 χ²/NDF: 29.5/14
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.013+/-0.006 χ²/NDF:18.1/22
Out: 0.004+/-0.006 χ²/NDF:35.8/26
All: -0.004+/-0.004 χ²/NDF: 57.5/49

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: 22.194+/-0.007 χ^2/NDF:372949.4/6

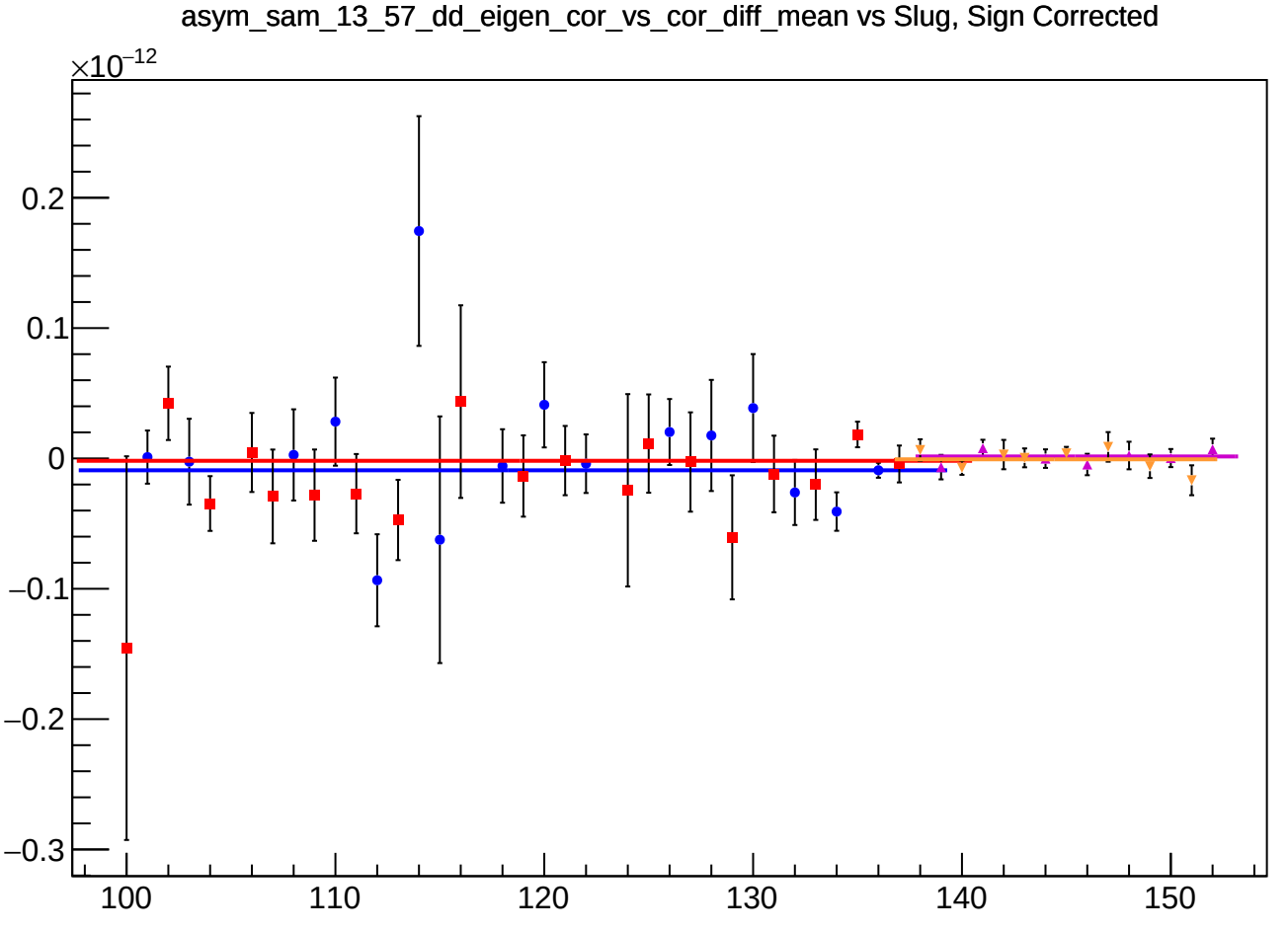
Left: 22.406+/-0.005 χ^2/NDF: 774717.5/14

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.714+/-0.004 χ^2/NDF:1861932.2/22

Out: 20.962+/-0.004 χ^2/NDF:2947575.7/26

All: 21.329+/-0.003 χ^2/NDF: 4823894.2/49



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:2.8/6

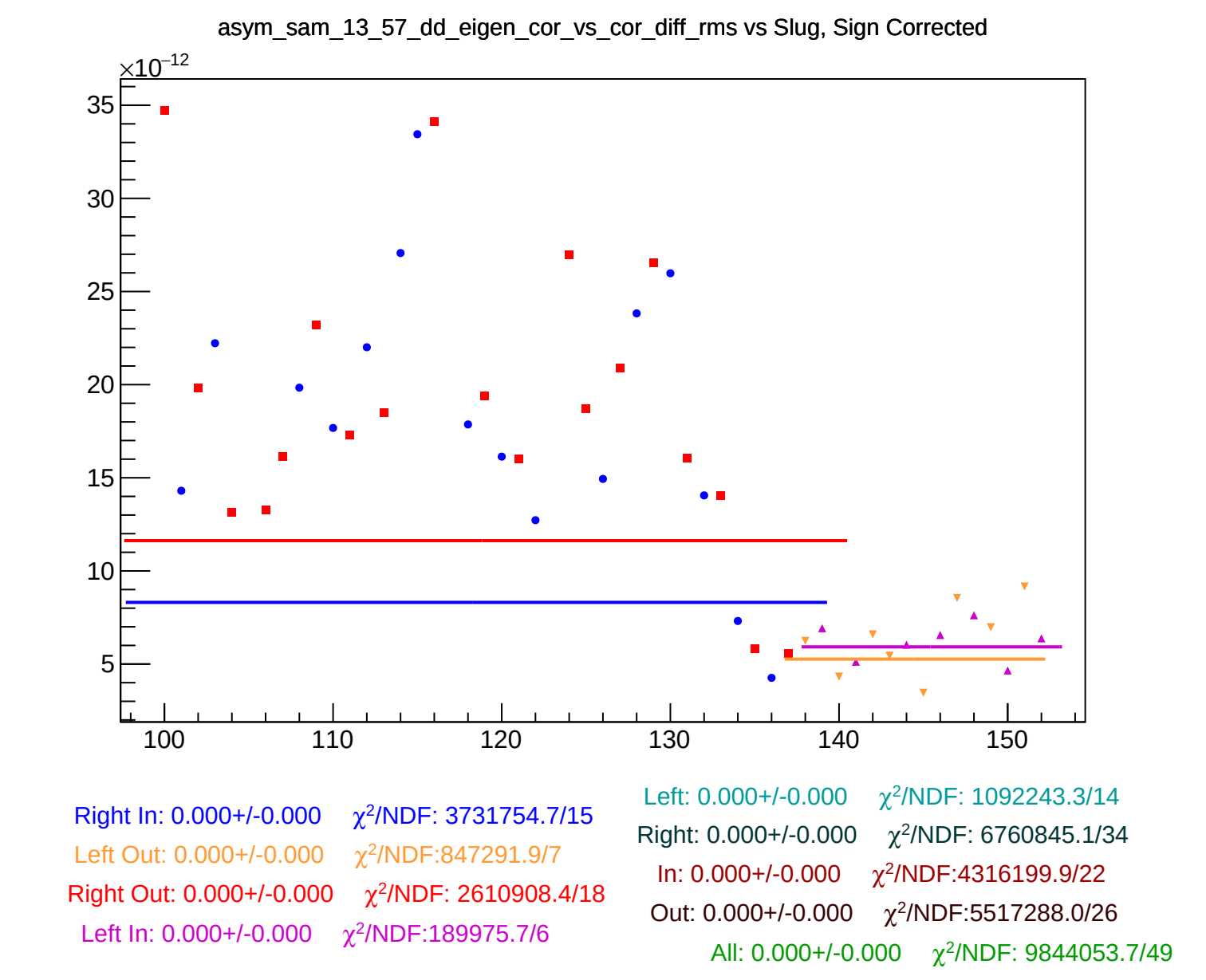
Left: 0.000+/-0.000 χ^2/NDF: 9.3/14

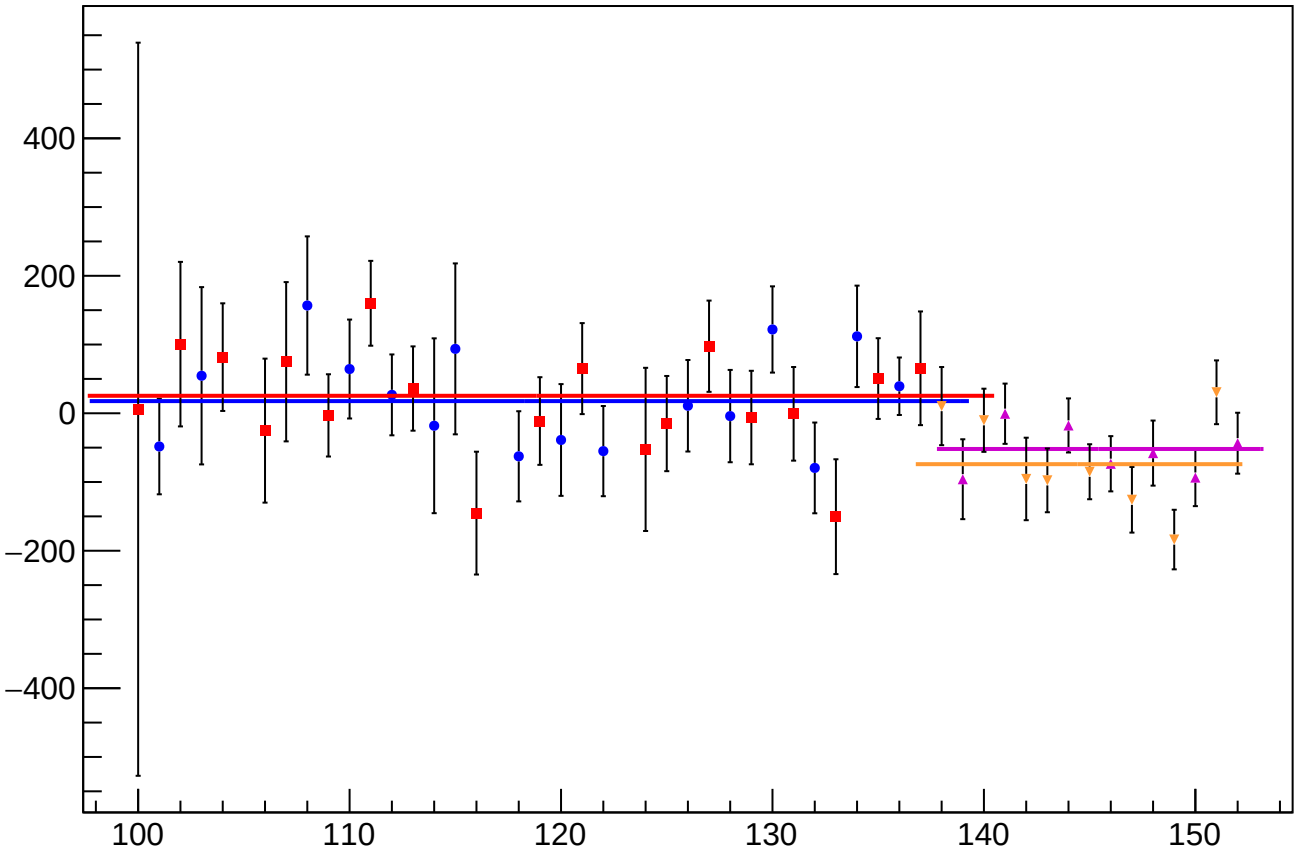
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:29.3/22

Out: -0.000+/-0.000 χ^2/NDF:23.2/26

All: -0.000+/-0.000 χ^2/NDF: 52.5/49


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:847291.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:189975.7/6
Left: 0.000+/-0.000 χ²/NDF: 1092243.3/14
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:4316199.9/22
Out: 0.000+/-0.000 χ²/NDF:5517288.0/26
All: 0.000+/-0.000 χ²/NDF: 9844053.7/49



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: -51.940+/-16.629 χ^2/NDF:4.0/6

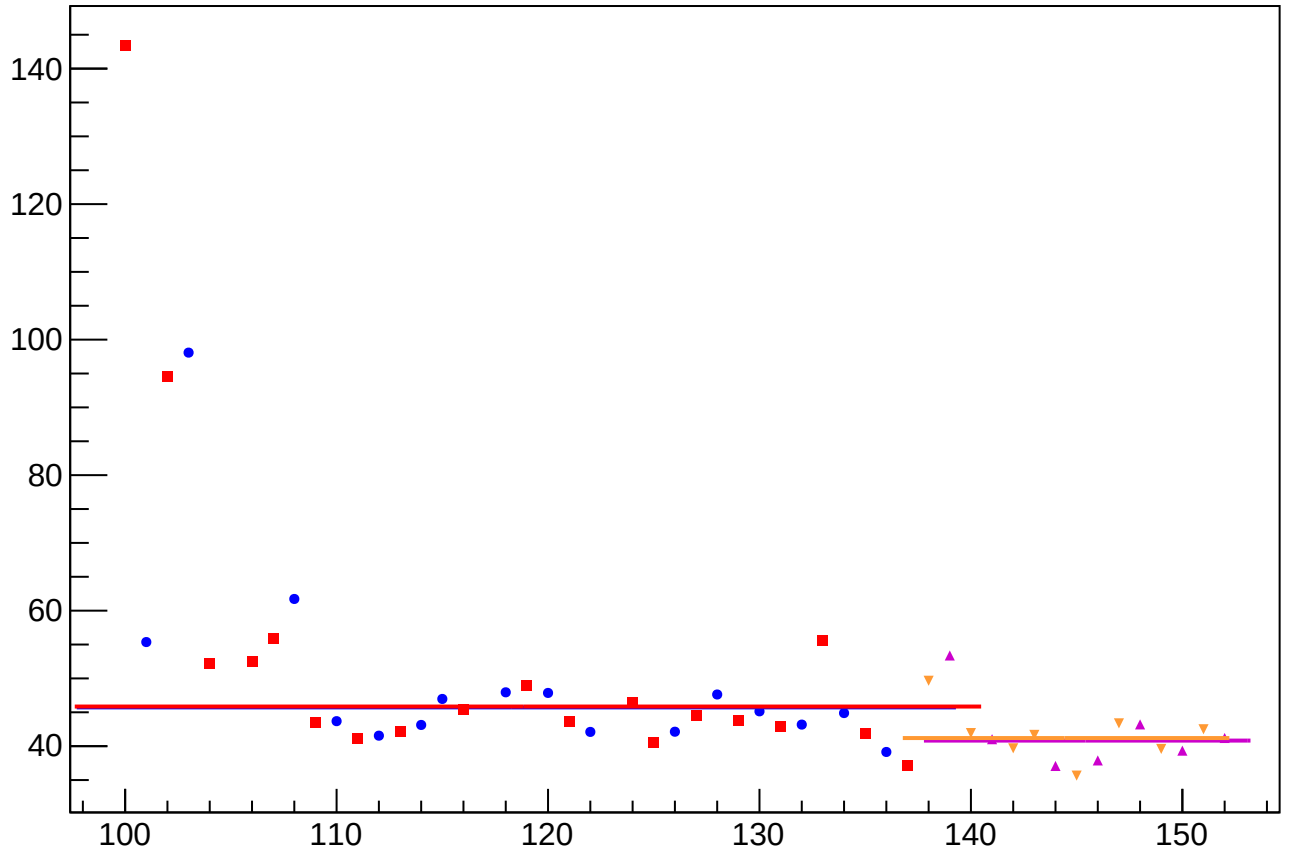
Left: -62.946+/-11.783 χ^2/NDF: 22.2/14

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -18.836+/-12.045 χ^2/NDF:26.3/22

Out: -26.164+/-12.027 χ^2/NDF:52.2/26

All: -22.505+/-8.511 χ^2/NDF: 78.7/49



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: 40.824+/-0.012 χ^2/NDF:129980.4/6

Left: 41.010+/-0.008 χ^2/NDF: 223526.8/14

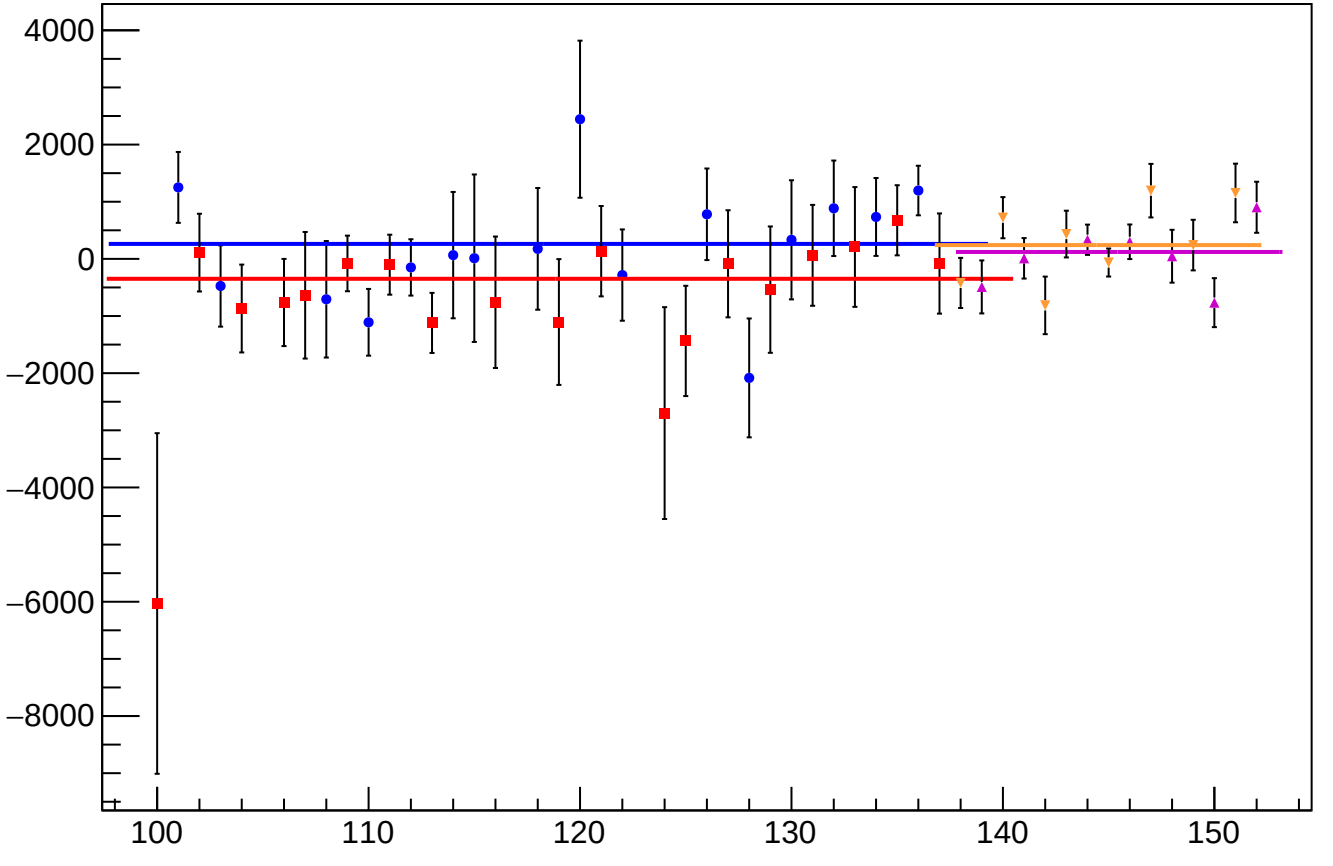
Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 43.155+/-0.009 χ^2/NDF:714077.5/22

Out: 43.436+/-0.009 χ^2/NDF:707883.3/26

All: 43.296+/-0.006 χ^2/NDF: 1422509.1/49

asym_sam_15_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 241.196+/-137.484 χ^2/NDF:17.5/7

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 121.054+/-137.430 χ^2/NDF:10.2/6

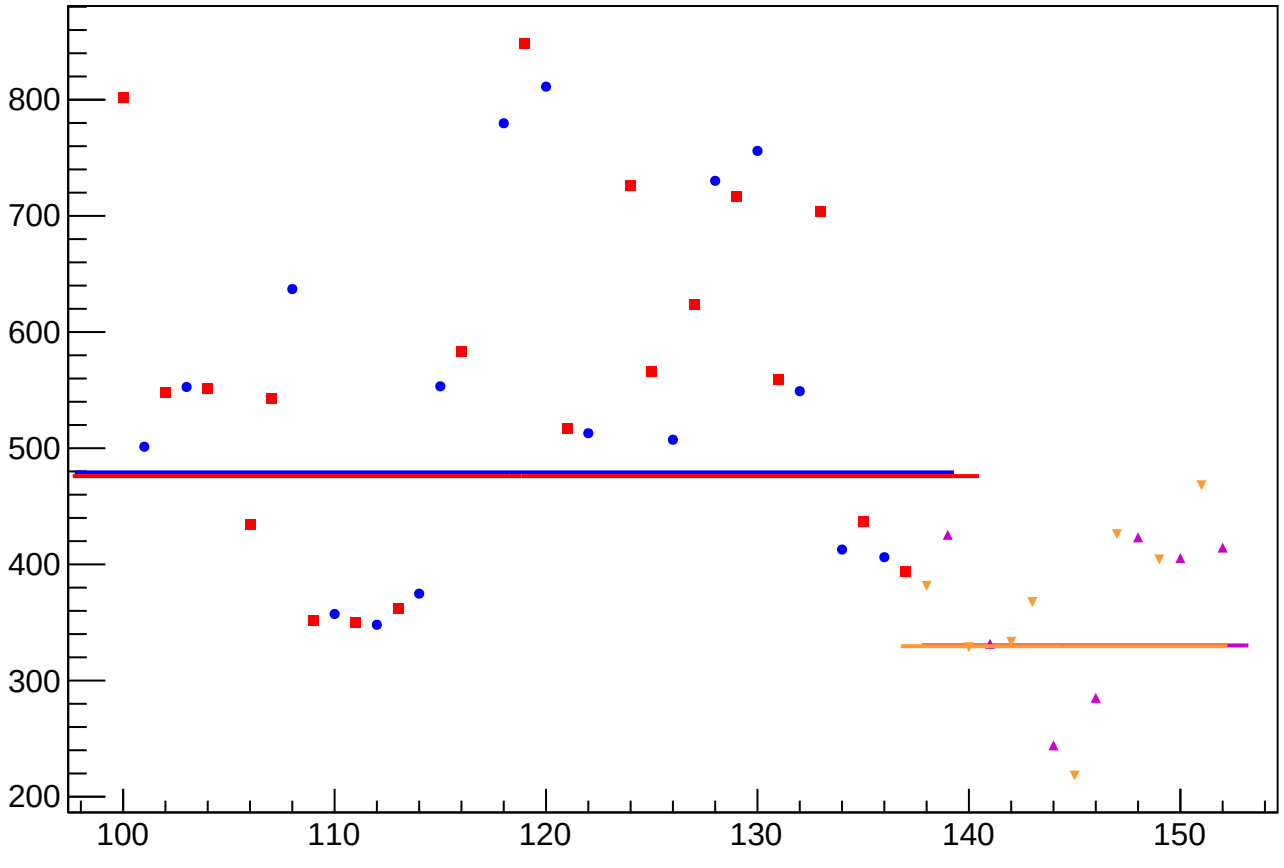
Left: 181.101+/-97.197 χ^2/NDF: 28.1/14

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 171.082+/-110.366 χ^2/NDF:35.6/22

Out: 24.894+/-109.411 χ^2/NDF:39.2/26

All: 97.353+/-77.701 χ^2/NDF: 75.6/49



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: 330.260+/-0.097 χ^2/NDF:553812.9/6

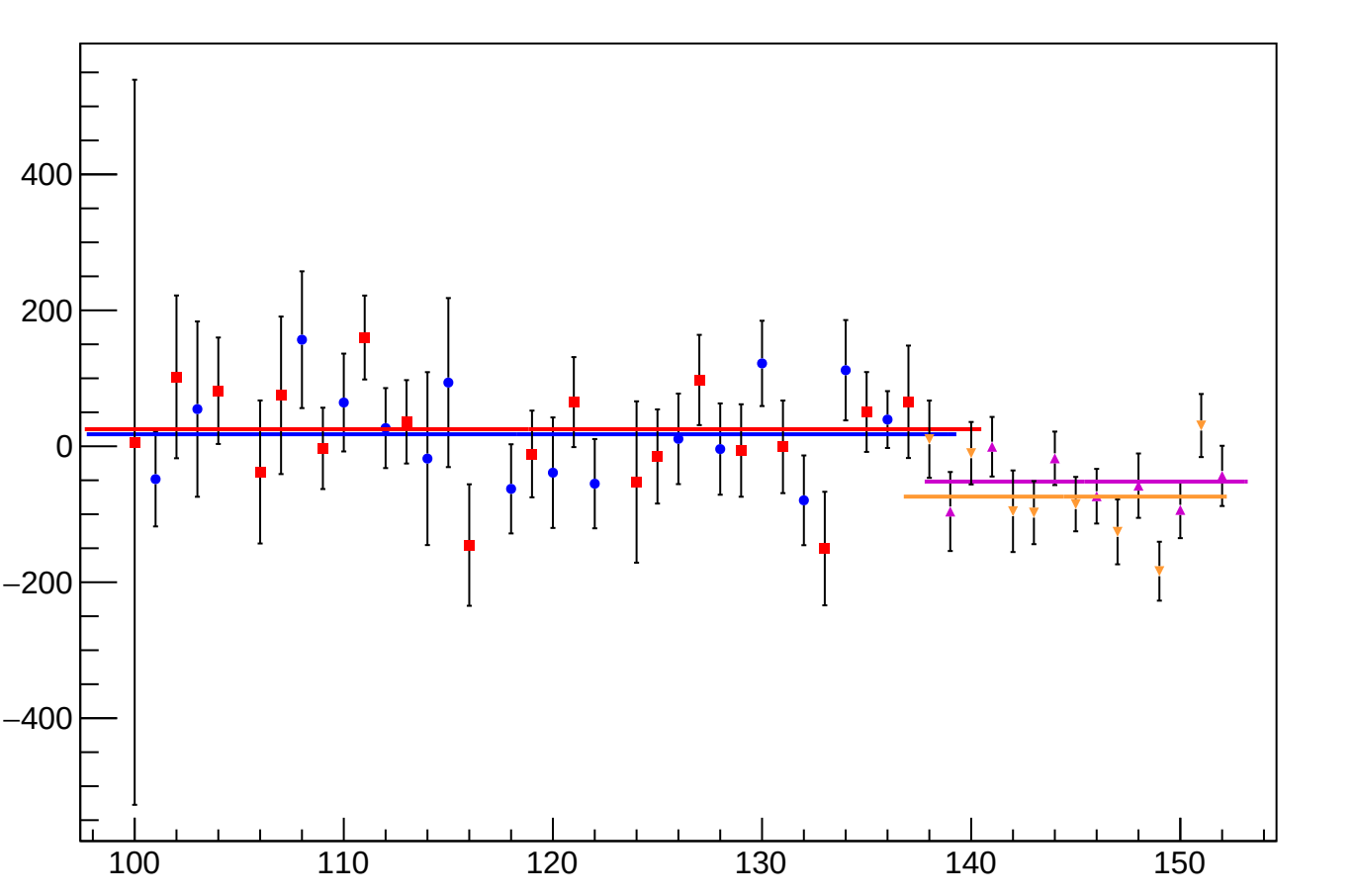
Left: 329.925+/-0.069 χ^2/NDF: 1298344.1/14

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 383.139+/-0.078 χ^2/NDF:2340360.3/22

Out: 383.273+/-0.077 χ^2/NDF:2582603.9/26

All: 383.206+/-0.055 χ^2/NDF: 4922965.7/49



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: -51.942+/-16.629 χ^2/NDF:4.0/6

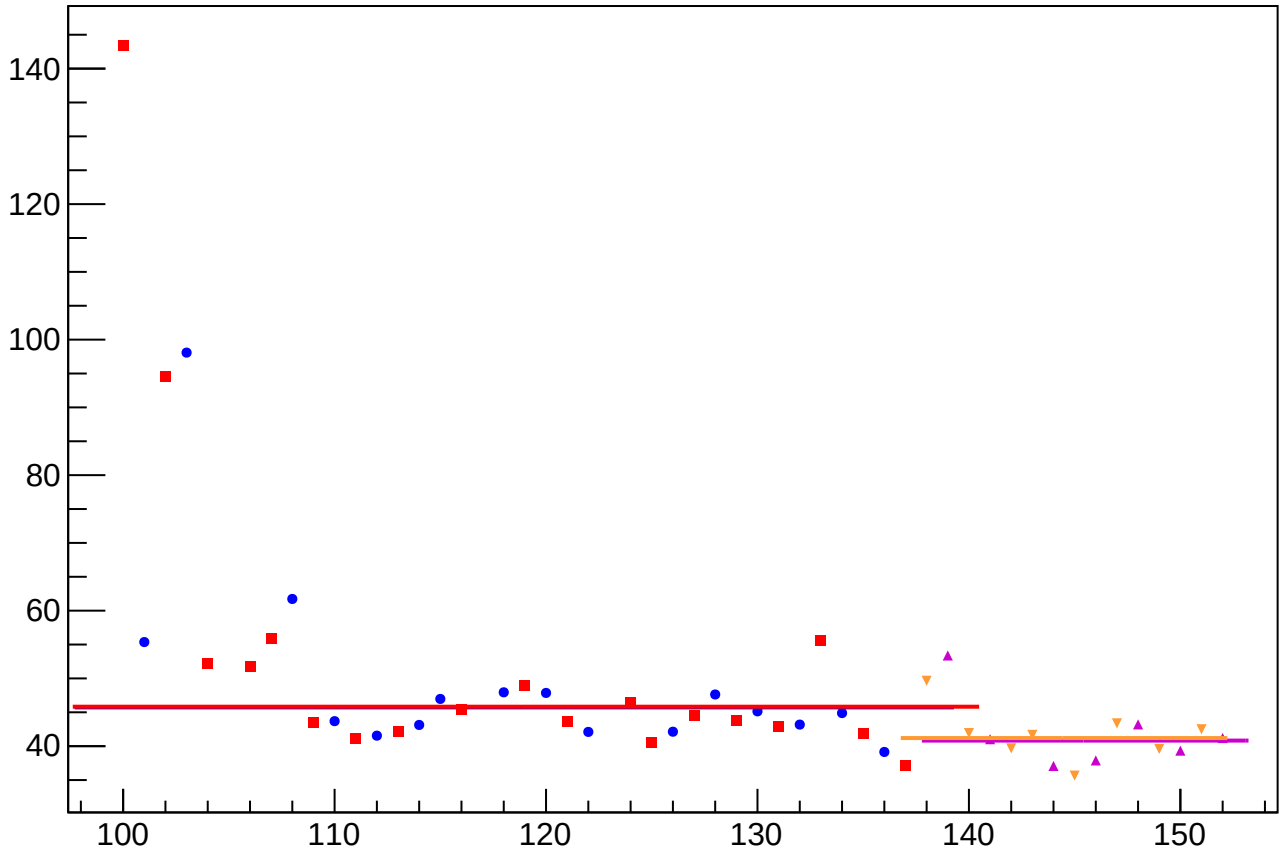
Left: -62.947+/-11.783 χ^2/NDF: 22.2/14

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -18.835+/-12.045 χ^2/NDF:26.3/22

Out: -26.313+/-12.028 χ^2/NDF:52.2/26

All: -22.579+/-8.511 χ^2/NDF: 78.7/49



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: 40.824+/-0.012 χ^2/NDF:129980.4/6

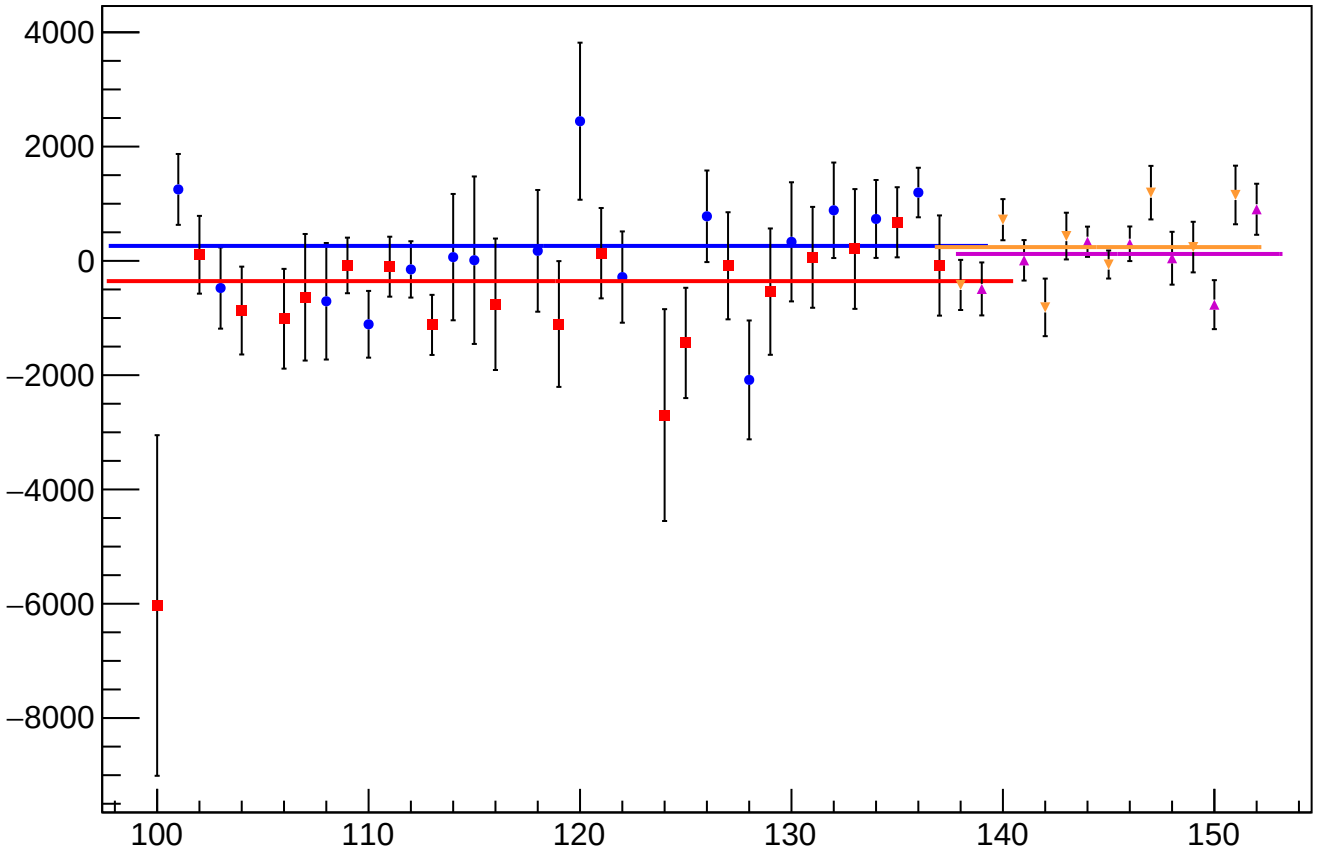
Left: 41.010+/-0.008 χ^2/NDF: 223526.8/14

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 43.155+/-0.009 χ^2/NDF:714080.5/22

Out: 43.425+/-0.009 χ^2/NDF:705422.8/26

All: 43.290+/-0.006 χ^2/NDF: 1420006.7/49



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: 121.053+/-137.431 χ^2/NDF:10.2/6

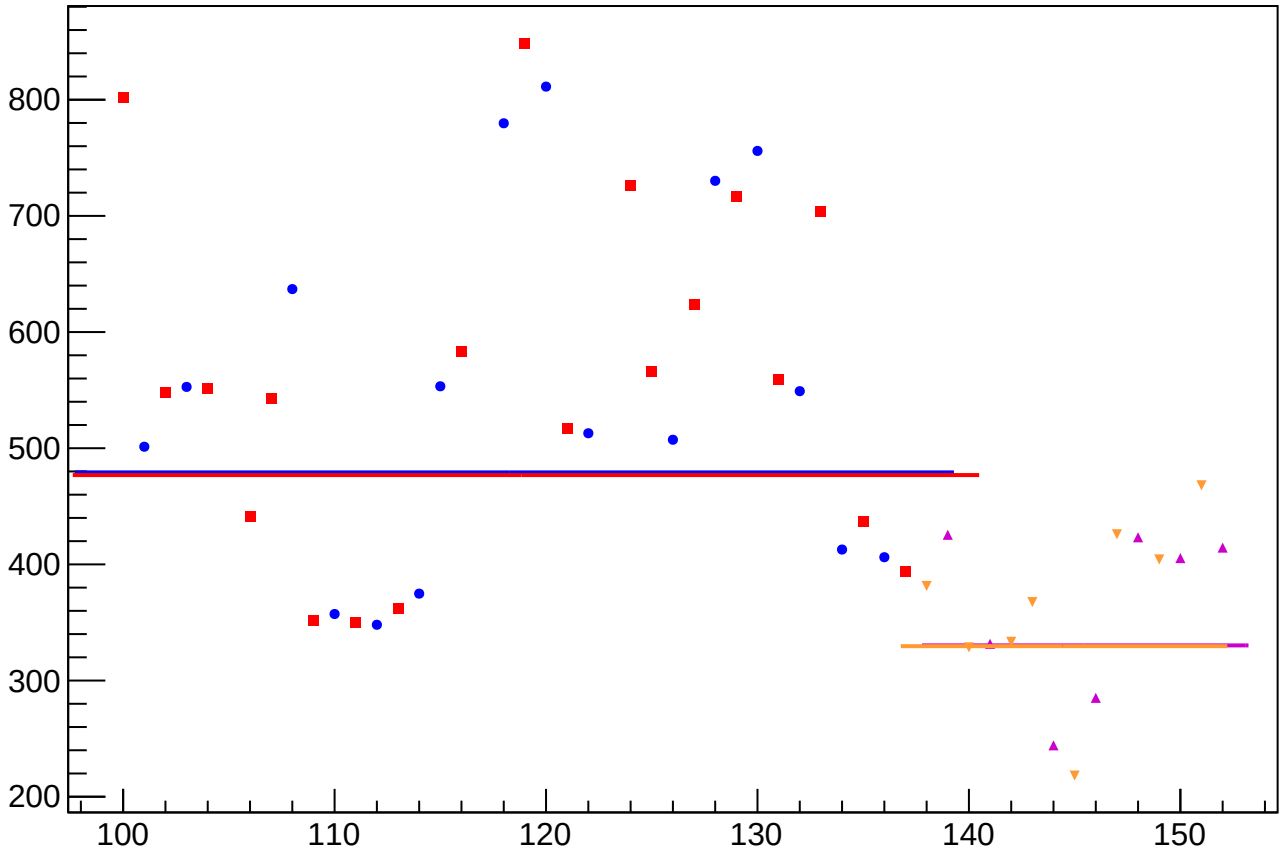
Left: 181.100+/-97.197 χ^2/NDF: 28.1/14

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 171.083+/-110.366 χ^2/NDF:35.6/22

Out: 24.728+/-109.681 χ^2/NDF:39.5/26

All: 97.449+/-77.797 χ^2/NDF: 76.0/49



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: 330.260+/-0.097 χ^2/NDF:553814.8/6

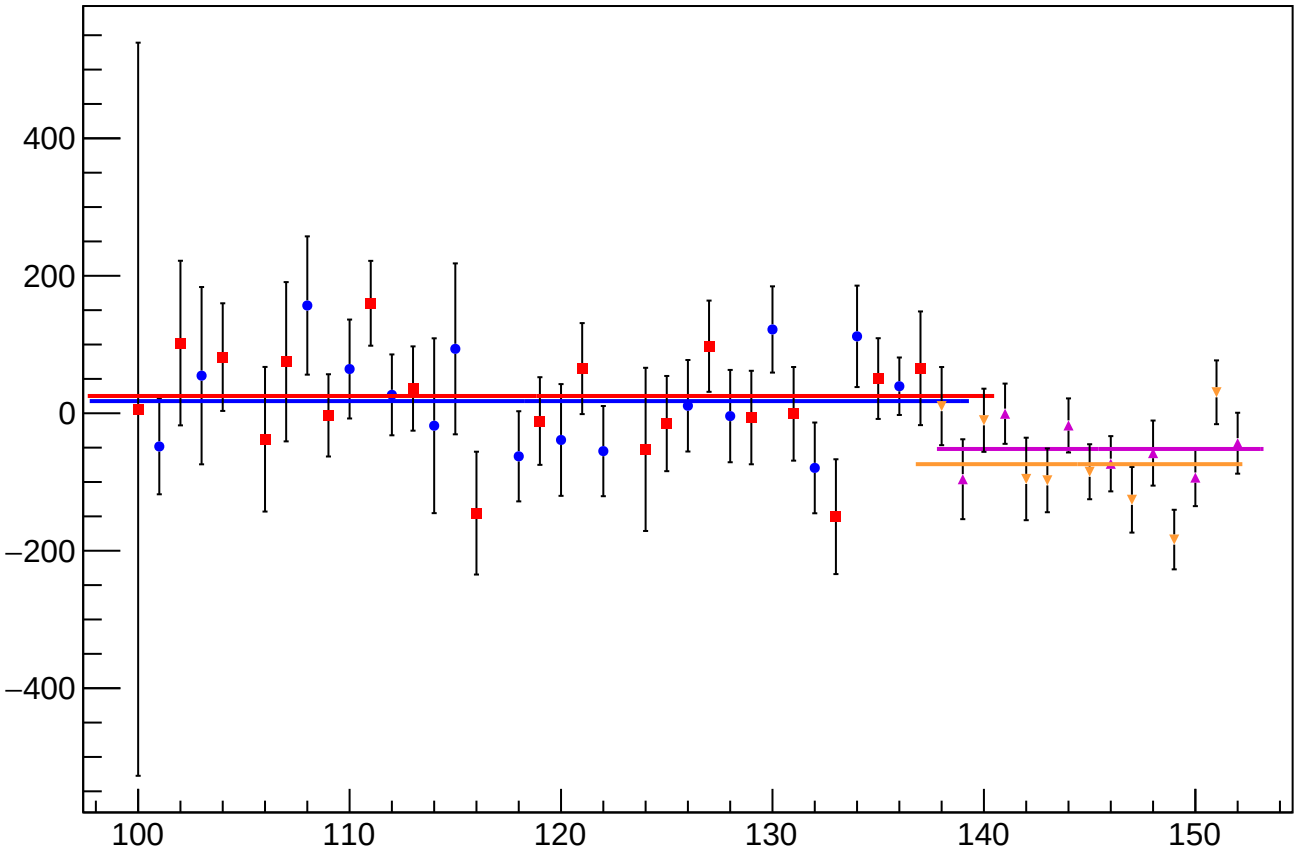
Left: 329.925+/-0.069 χ^2/NDF: 1298346.2/14

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 383.139+/-0.078 χ^2/NDF:2340406.9/22

Out: 383.143+/-0.078 χ^2/NDF:2582985.4/26

All: 383.141+/-0.055 χ^2/NDF: 4923392.3/49



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: -51.942+/-16.629 χ^2/NDF:4.0/6

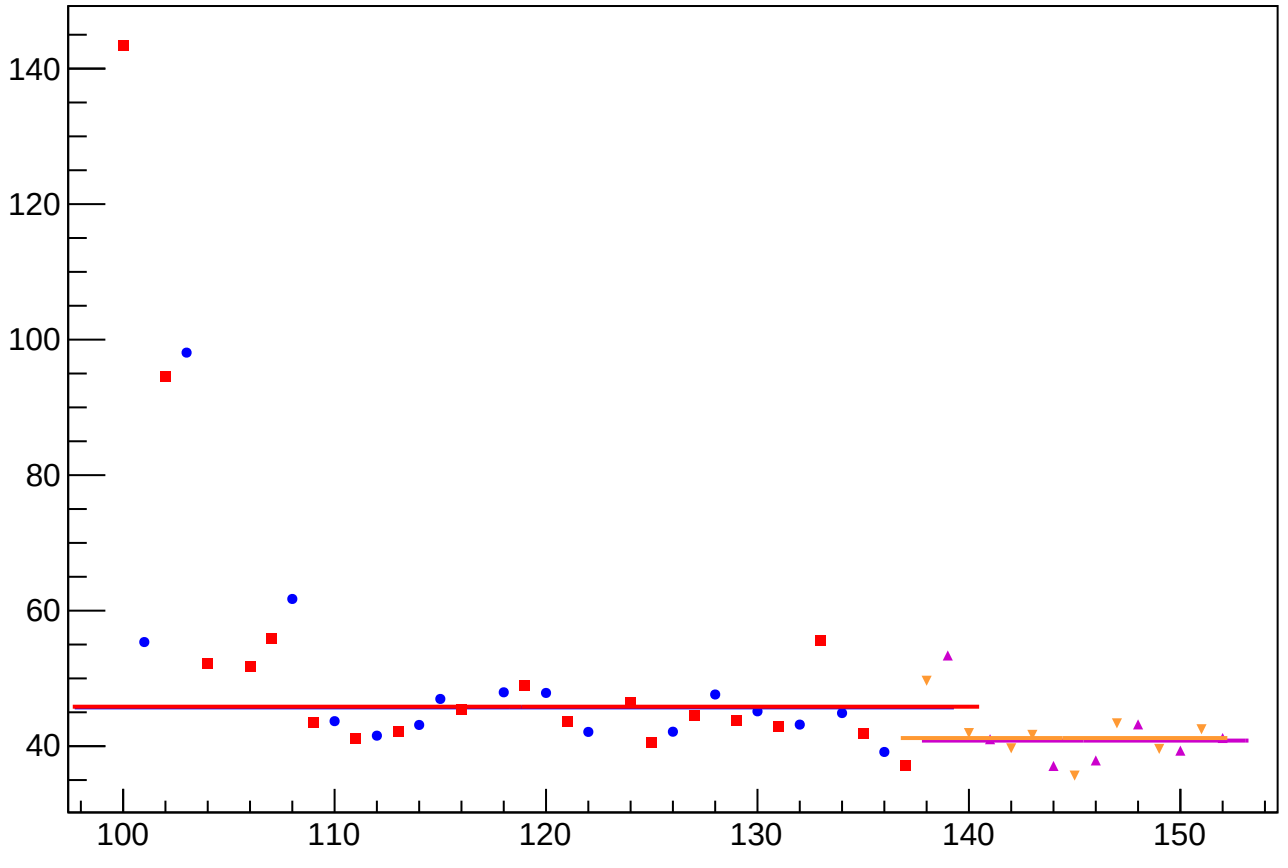
Left: -62.947+/-11.783 χ^2/NDF: 22.2/14

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -18.835+/-12.045 χ^2/NDF:26.3/22

Out: -26.313+/-12.028 χ^2/NDF:52.2/26

All: -22.579+/-8.511 χ^2/NDF: 78.7/49



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: 40.824+/-0.012 χ^2/NDF:129980.4/6

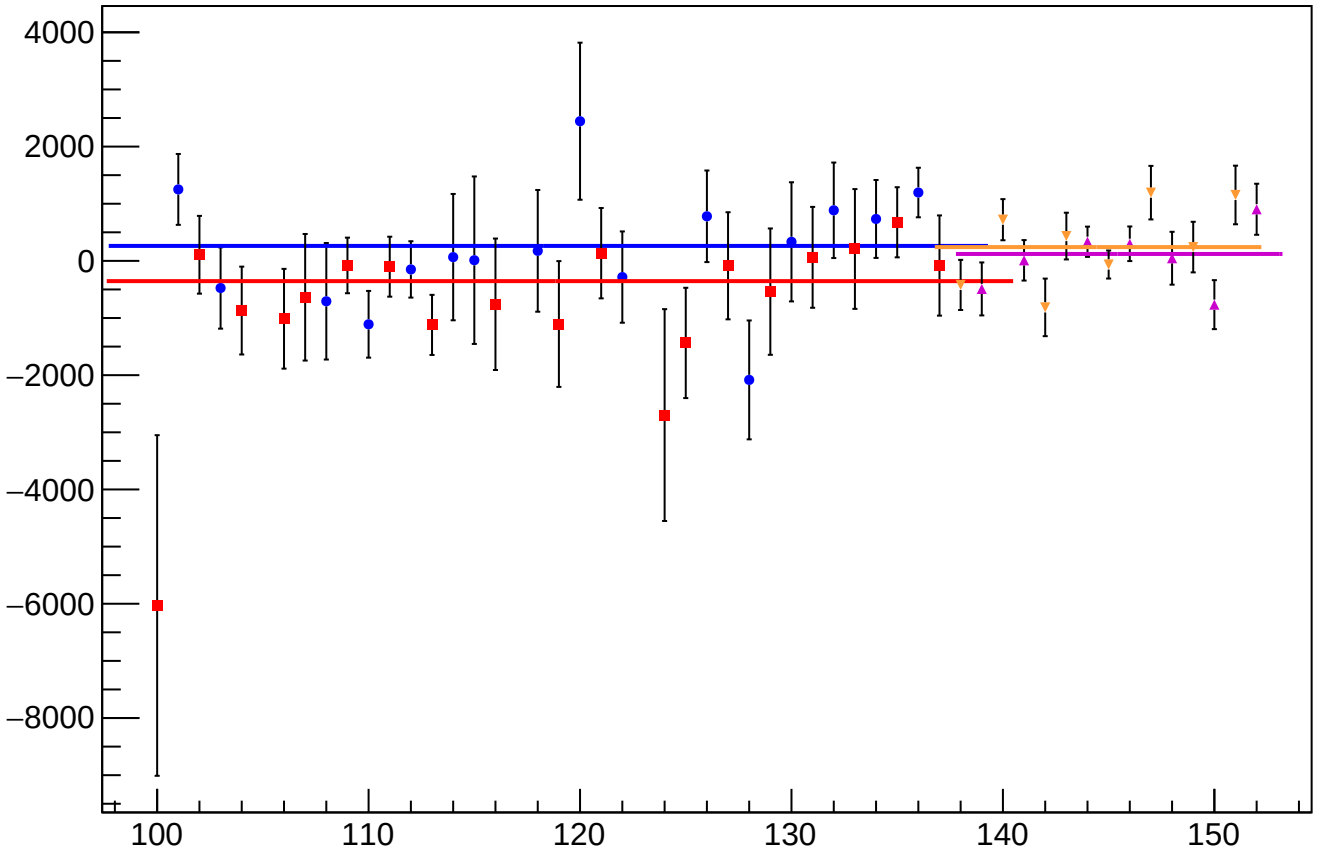
Left: 41.010+/-0.008 χ^2/NDF: 223526.8/14

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 43.155+/-0.009 χ^2/NDF:714080.5/22

Out: 43.425+/-0.009 χ^2/NDF:705422.8/26

All: 43.290+/-0.006 χ^2/NDF: 1420006.7/49



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: 121.053+/-137.431 χ^2/NDF:10.2/6

Left: 181.100+/-97.197 χ^2/NDF: 28.1/14

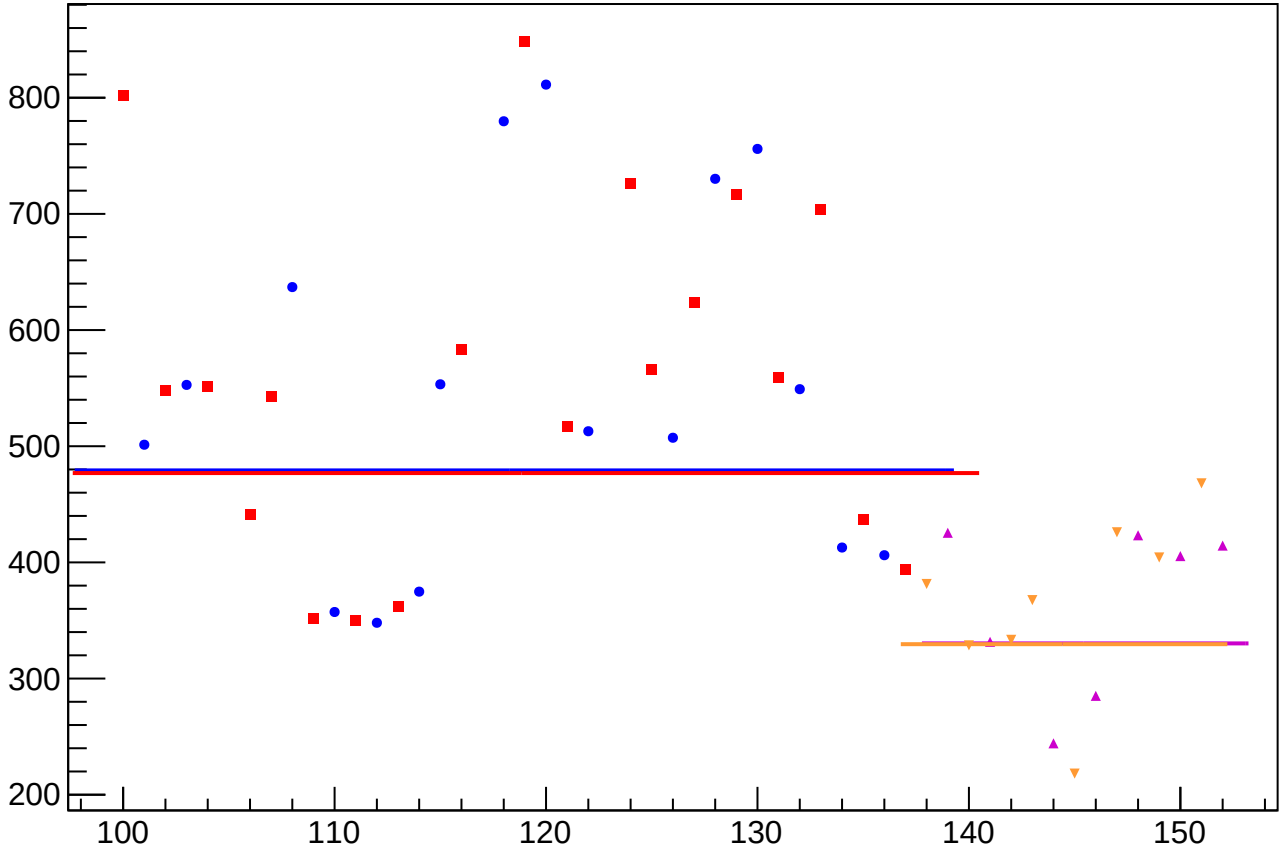
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 171.083+/-110.366 χ^2/NDF:35.6/22

Out: 24.728+/-109.681 χ^2/NDF:39.5/26

All: 97.449+/-77.797 χ^2/NDF: 76.0/49

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: 330.260+/-0.097 χ^2/NDF:553814.8/6

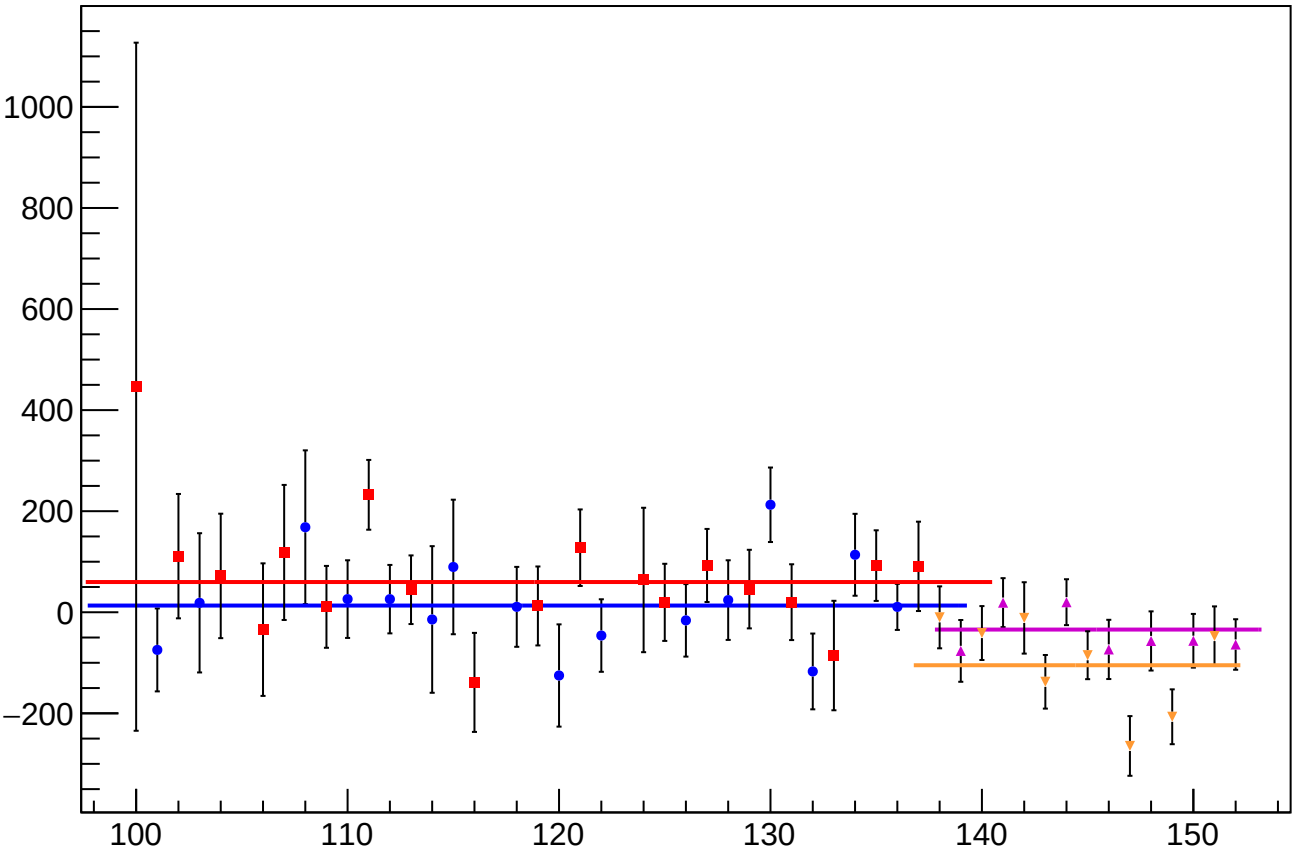
Left: 329.925+/-0.069 χ^2/NDF: 1298346.2/14

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 383.139+/-0.078 χ^2/NDF:2340406.9/22

Out: 383.143+/-0.078 χ^2/NDF:2582985.4/26

All: 383.141+/-0.055 χ^2/NDF: 4923392.3/49



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: -34.256+/-19.936 χ^2/NDF:4.2/6

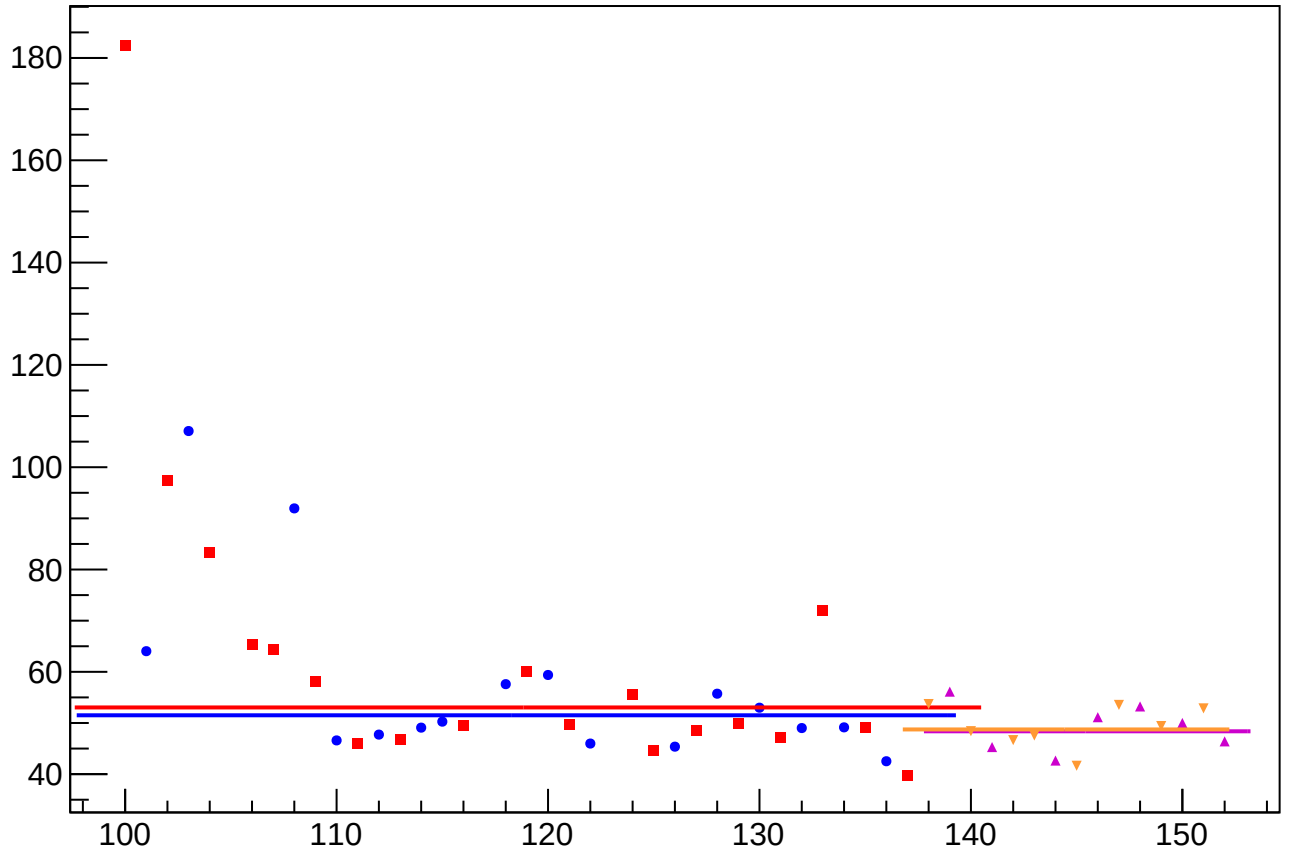
Left: -69.691+/-14.069 χ^2/NDF: 28.5/14

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -10.391+/-14.066 χ^2/NDF:24.3/22

Out: -24.063+/-14.173 χ^2/NDF:67.8/26

All: -17.176+/-9.984 χ^2/NDF: 92.6/49



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: 48.375+/-0.014 χ^2/NDF:95173.0/6

Left: 48.557+/-0.010 χ^2/NDF: 179699.4/14

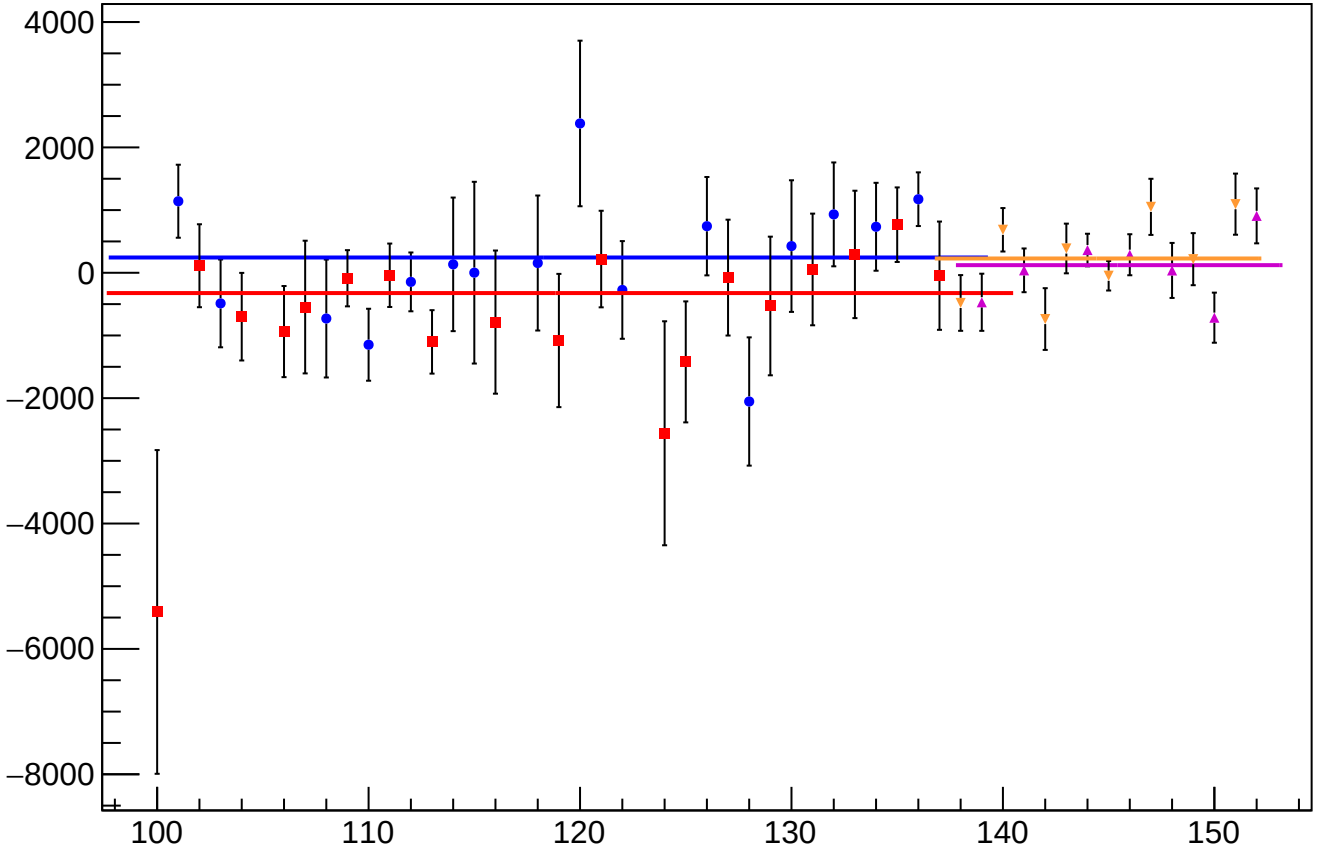
Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 49.947+/-0.010 χ^2/NDF:786994.4/22

Out: 50.847+/-0.010 χ^2/NDF:843119.9/26

All: 50.394+/-0.007 χ^2/NDF: 1634174.3/49

asym_sam_15_37_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 228.009+/-132.633 χ^2/NDF:16.2/7

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 121.677+/-136.284 χ^2/NDF:10.5/6

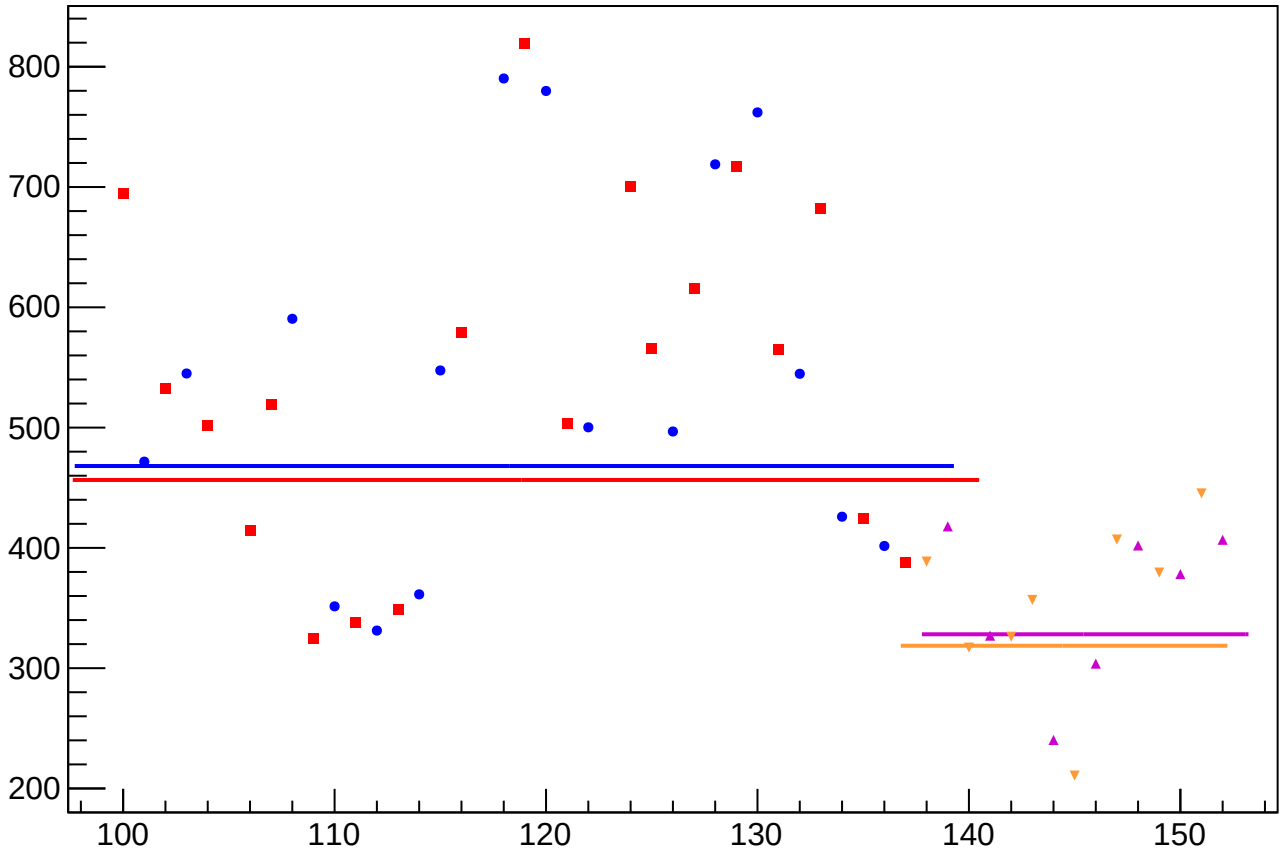
Left: 176.286+/-95.050 χ^2/NDF: 27.0/14

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 165.912+/-108.845 χ^2/NDF:36.4/22

Out: 24.736+/-105.400 χ^2/NDF:39.1/26

All: 93.055+/-75.718 χ^2/NDF: 76.3/49



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: 328.186+/-0.096 χ^2/NDF:469433.9/6

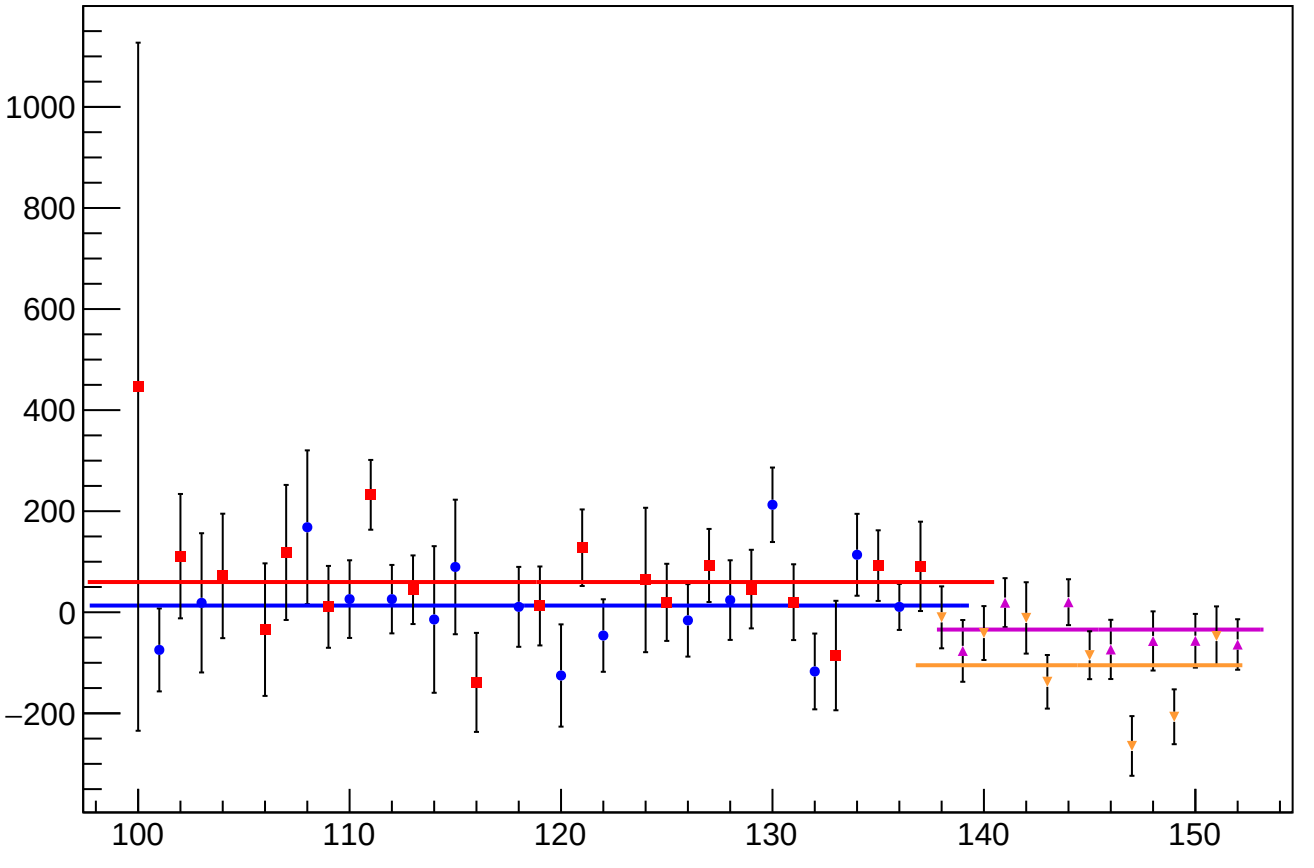
Left: 323.287+/-0.067 χ^2/NDF: 1217540.2/14

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 378.842+/-0.077 χ^2/NDF:2215348.3/22

Out: 369.433+/-0.075 χ^2/NDF:2621395.6/26

All: 373.986+/-0.054 χ^2/NDF: 4844455.9/49



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: -34.256+/-19.936 χ^2/NDF:4.2/6

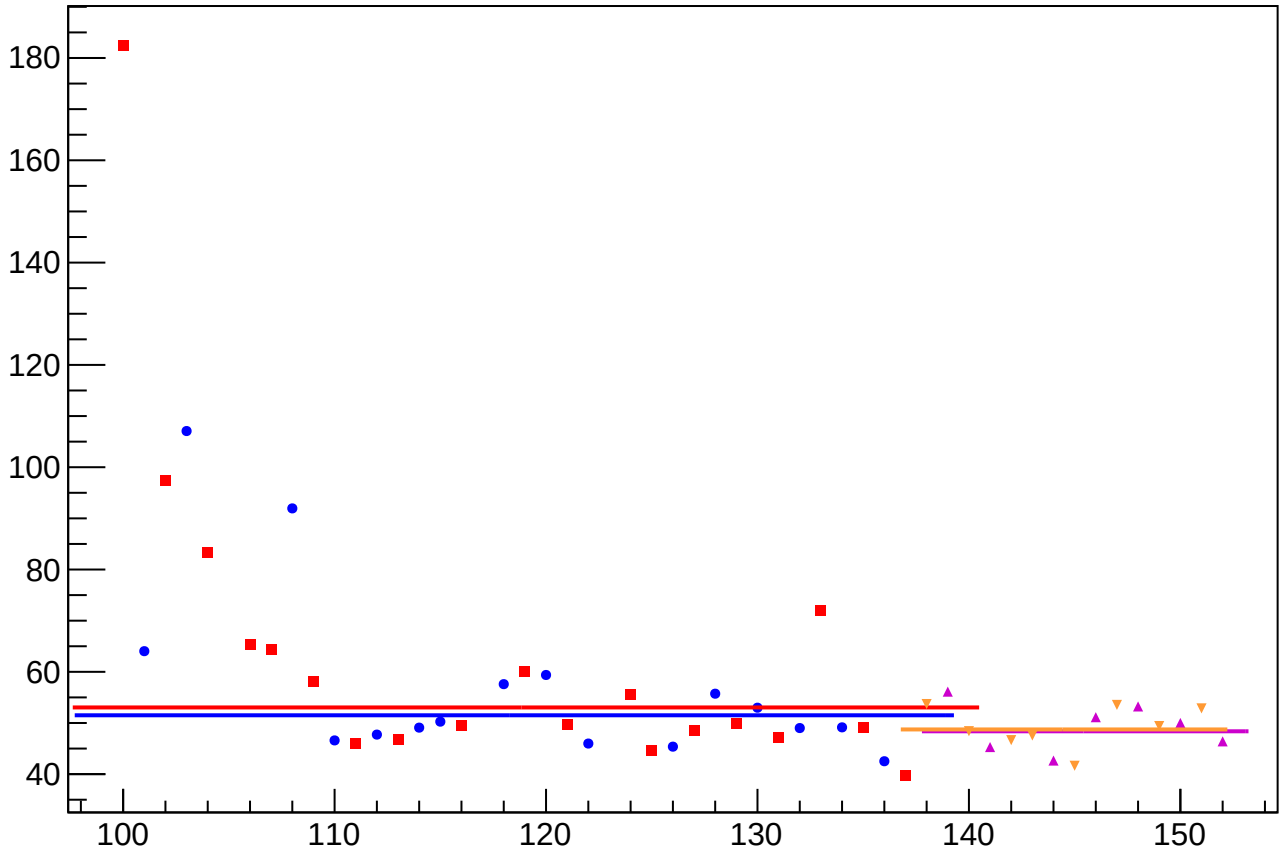
Left: -69.691+/-14.069 χ^2/NDF: 28.5/14

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -10.391+/-14.066 χ^2/NDF:24.3/22

Out: -24.063+/-14.173 χ^2/NDF:67.8/26

All: -17.175+/-9.984 χ^2/NDF: 92.6/49



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: 48.375+/-0.014 χ^2/NDF:95171.3/6

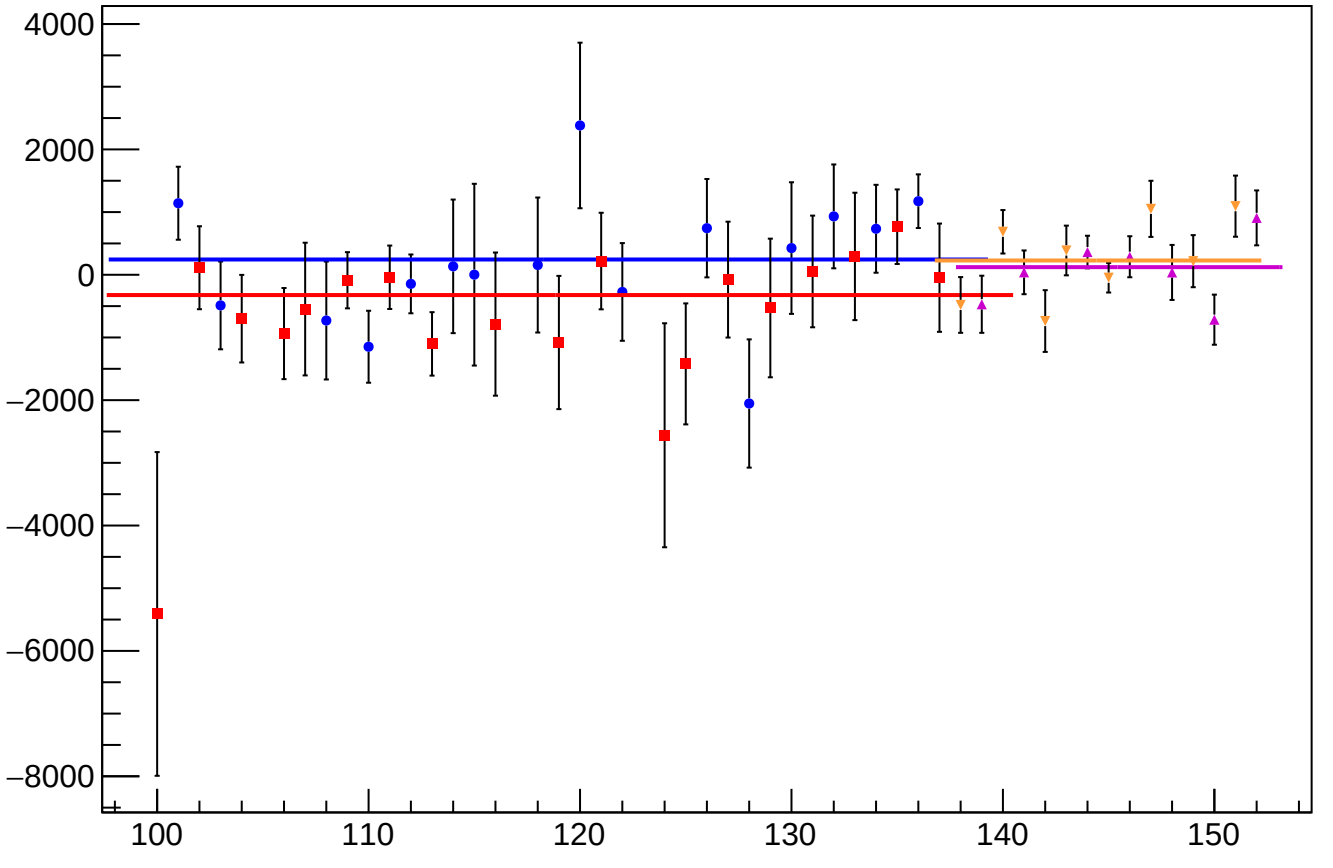
Left: 48.557+/-0.010 χ^2/NDF: 179697.1/14

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 49.947+/-0.010 χ^2/NDF:786997.5/22

Out: 50.847+/-0.010 χ^2/NDF:843128.9/26

All: 50.394+/-0.007 χ^2/NDF: 1634186.5/49



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: 121.678+/-136.284 χ^2/NDF:10.5/6

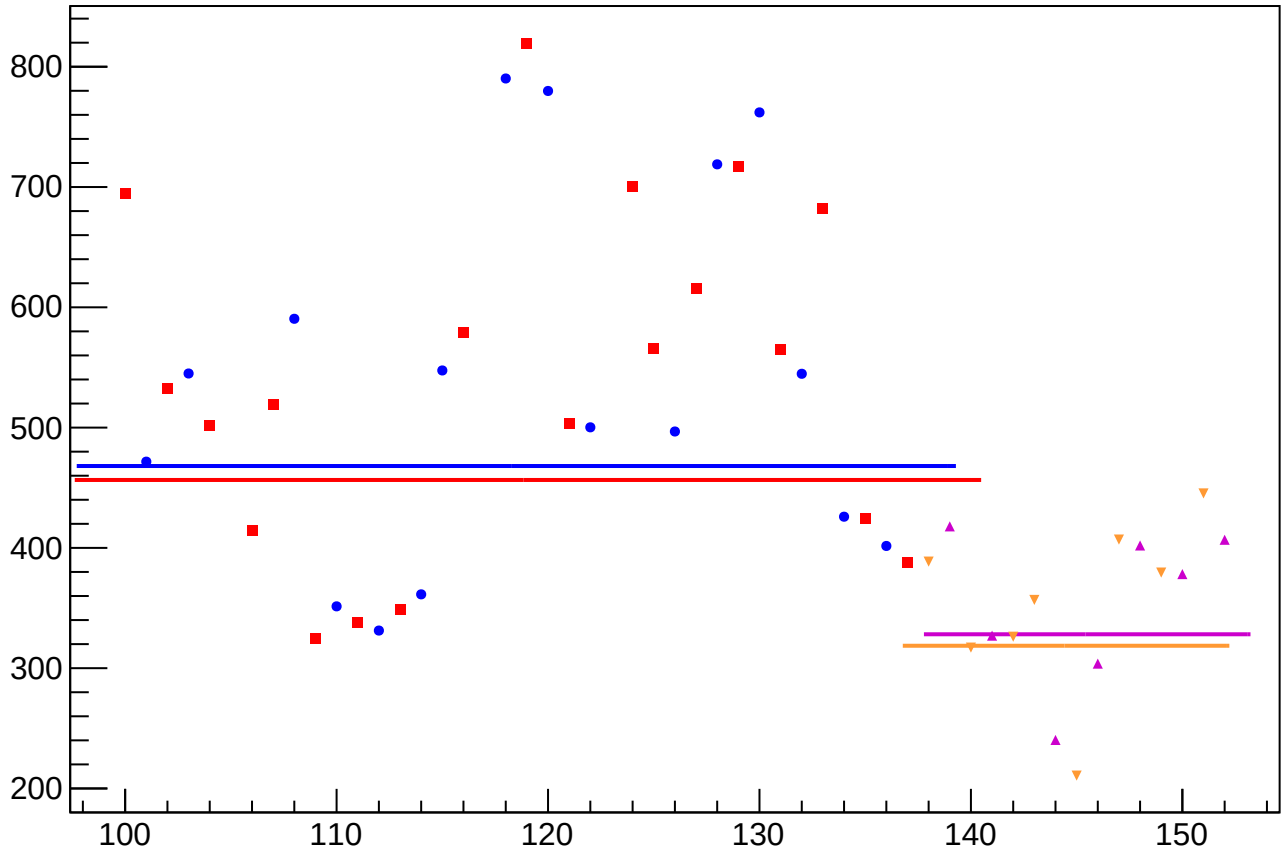
Left: 176.287+/-95.050 χ^2/NDF: 27.0/14

Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 165.913+/-108.845 χ^2/NDF:36.4/22

Out: 24.736+/-105.400 χ^2/NDF:39.1/26

All: 93.055+/-75.718 χ^2/NDF: 76.3/49



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: 328.186+/-0.096 χ^2/NDF:469435.6/6

Left: 323.287+/-0.067 χ^2/NDF: 1217546.1/14

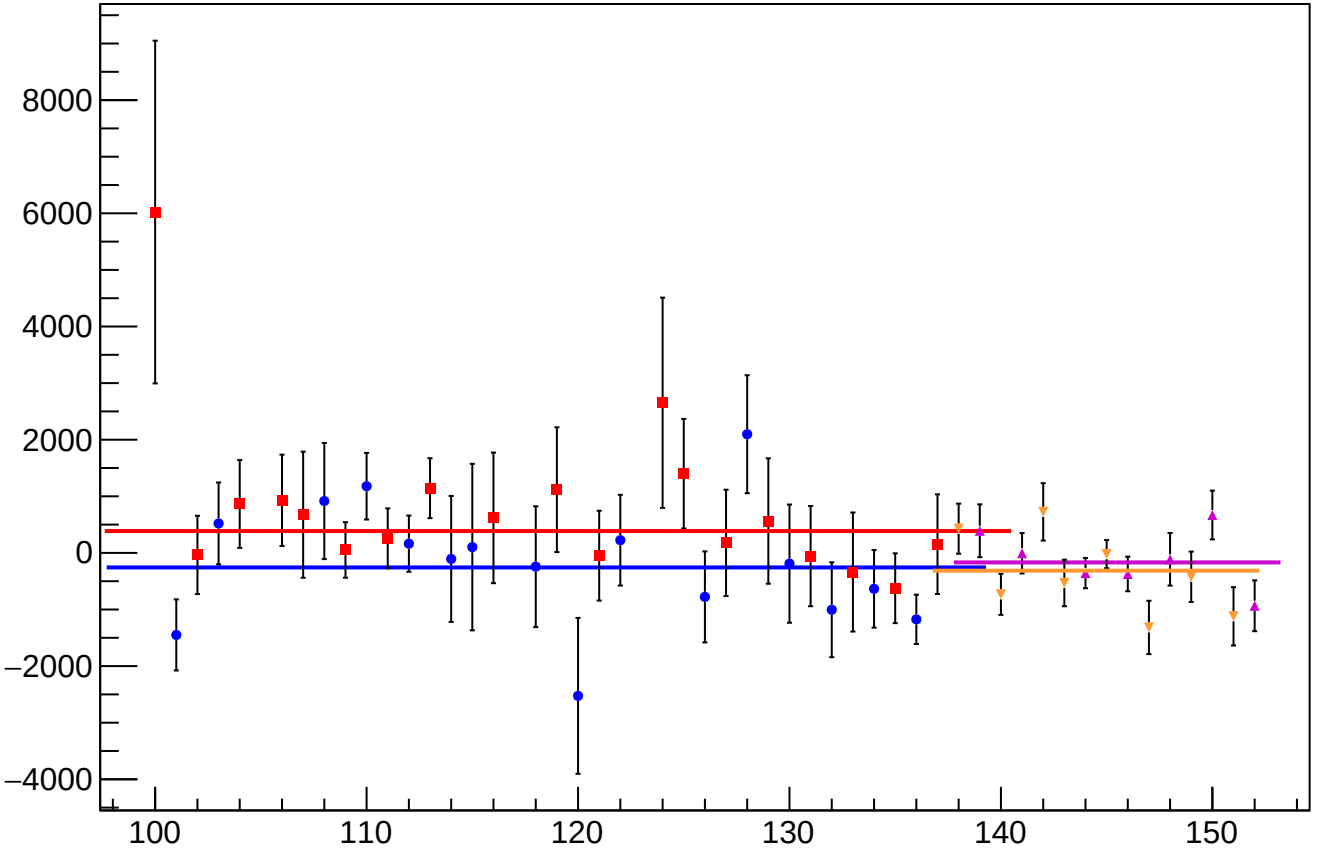
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 378.842+/-0.077 χ^2/NDF:2215340.8/22

Out: 369.433+/-0.075 χ^2/NDF:2621389.7/26

All: 373.986+/-0.054 χ^2/NDF: 4844442.8/49

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: -168.189+/-138.589 χ^2/NDF:9.3/6

Left: -240.950+/-98.031 χ^2/NDF: 26.9/14

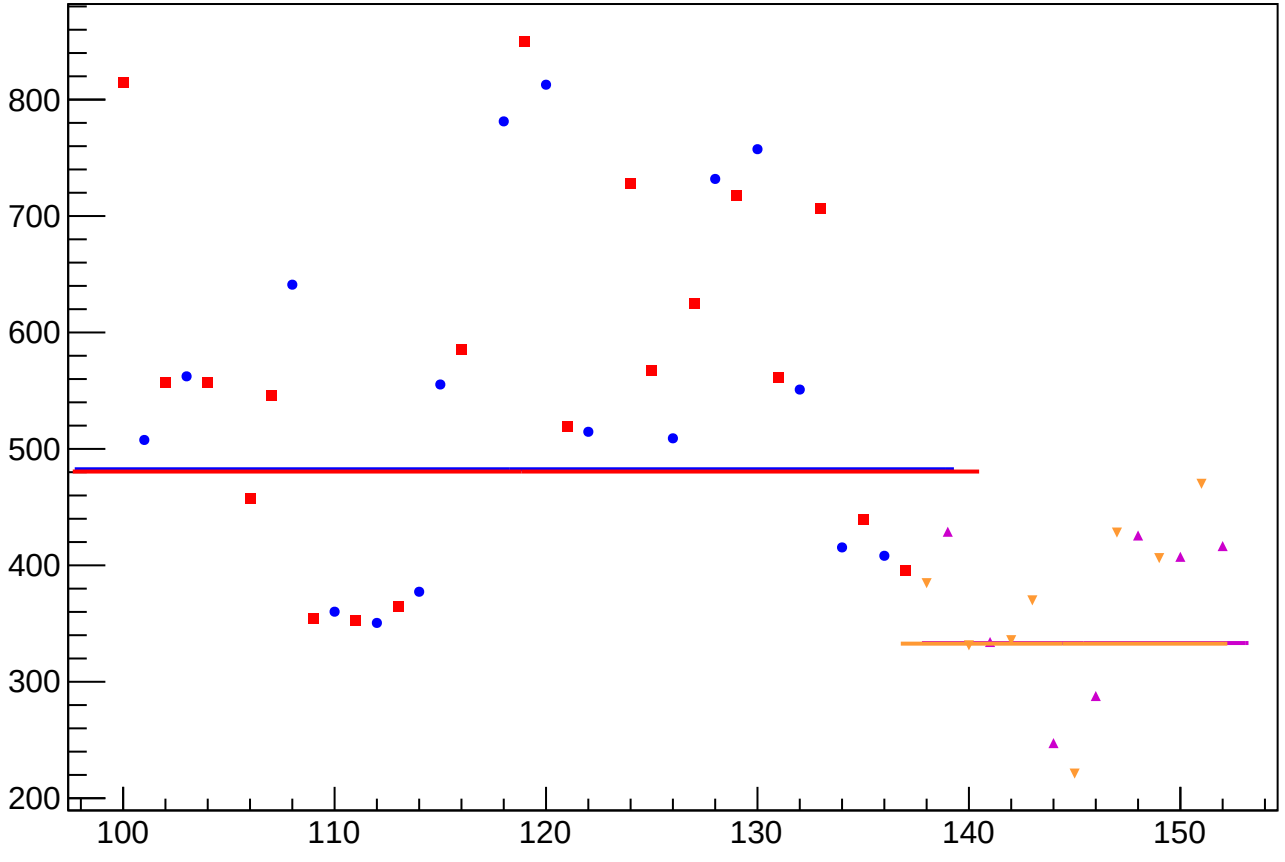
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -199.703+/-111.230 χ^2/NDF:36.4/22

Out: -57.222+/-110.389 χ^2/NDF:40.6/26

All: -127.921+/-78.353 χ^2/NDF: 77.8/49

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: 333.272+/-0.098 χ^2/NDF:540911.7/6

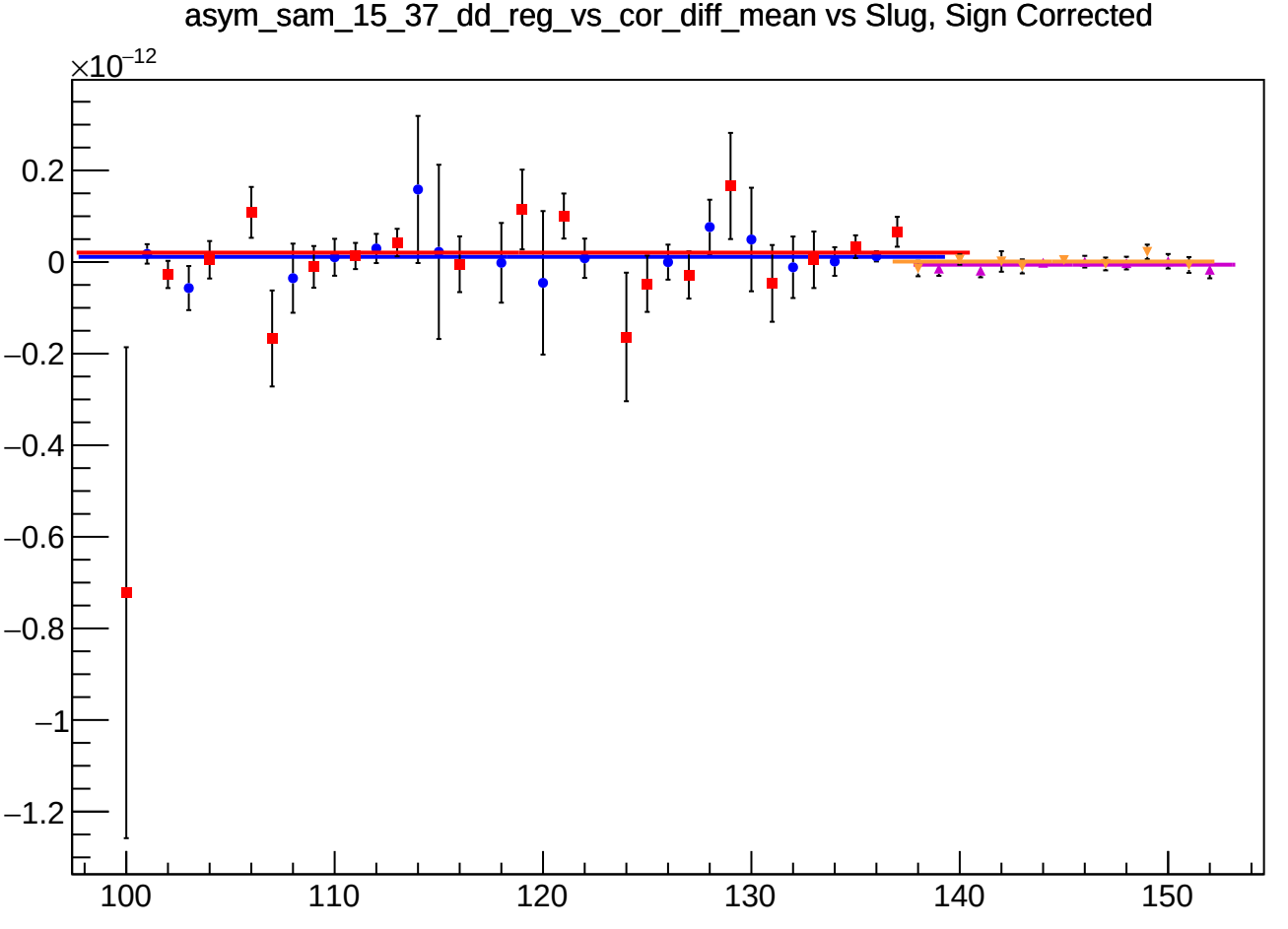
Left: 333.014+/-0.069 χ^2/NDF: 1266122.6/14

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 386.379+/-0.079 χ^2/NDF:2312734.4/22

Out: 386.913+/-0.078 χ^2/NDF:2551392.6/26

All: 386.648+/-0.055 χ^2/NDF: 4864150.3/49



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:2.1/6

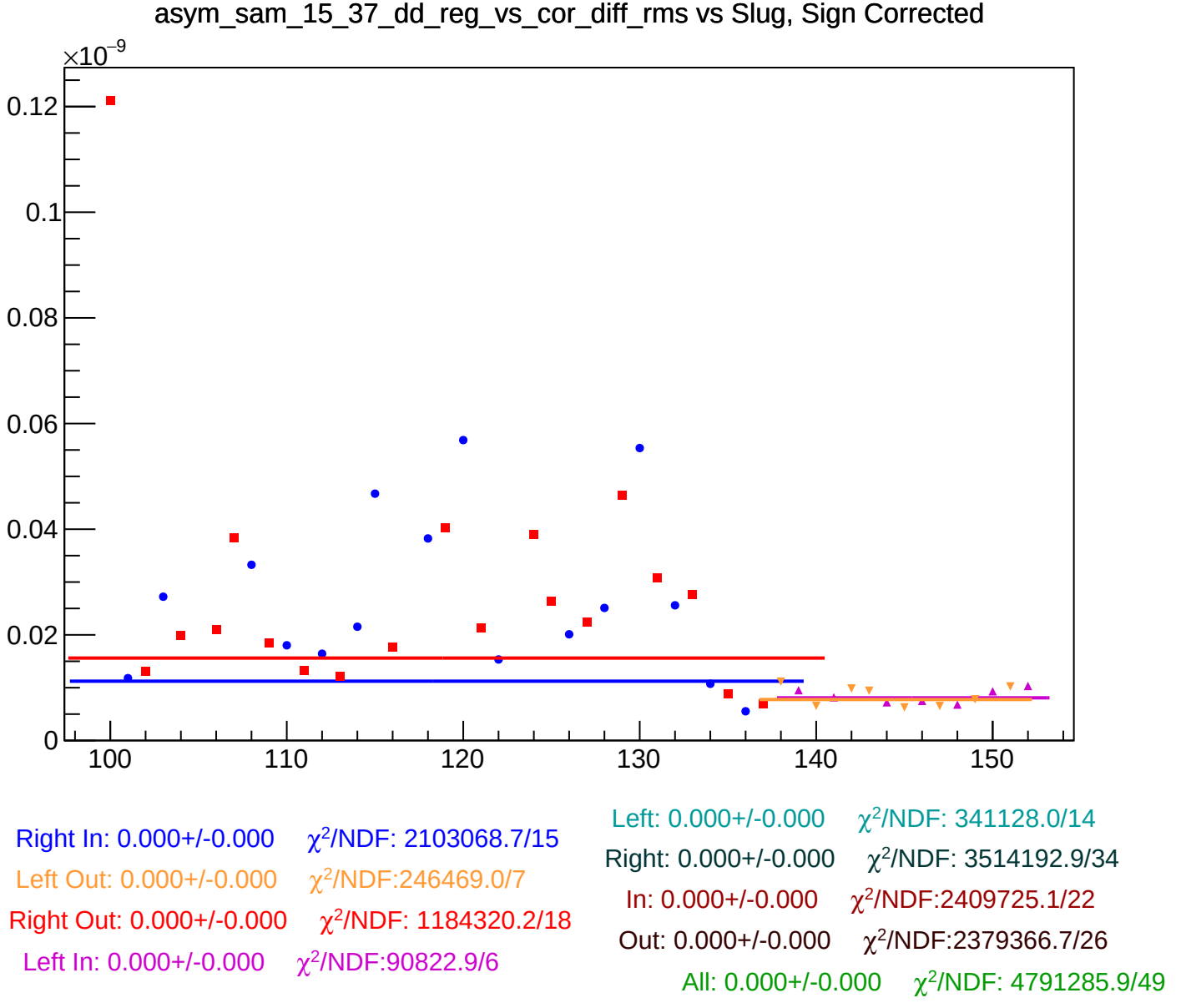
Left: -0.000+/-0.000 χ^2/NDF: 6.6/14

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

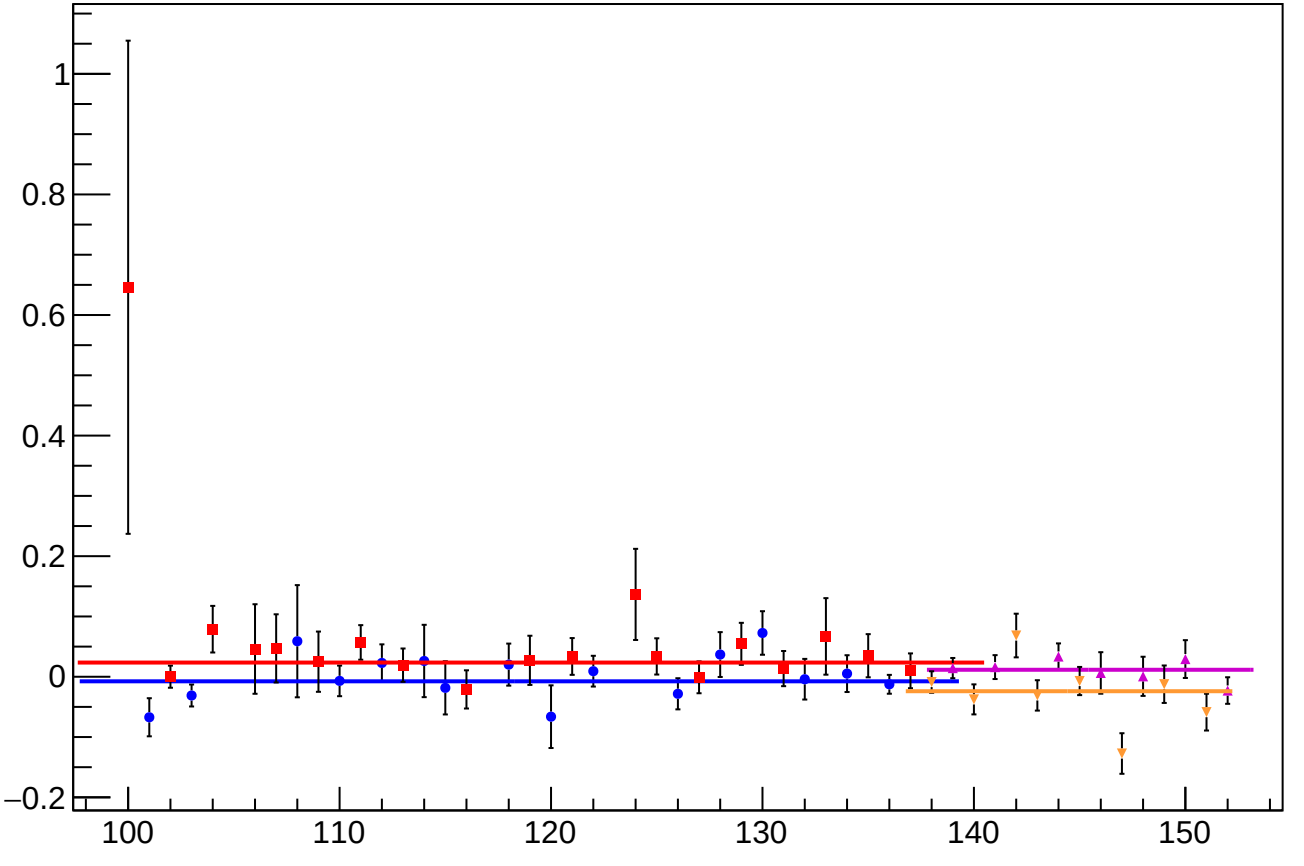
In: -0.000+/-0.000 χ^2/NDF:10.8/22

Out: 0.000+/-0.000 χ^2/NDF:30.3/26

All: 0.000+/-0.000 χ^2/NDF: 41.7/49


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2103068.7/15
Left Out: 0.000+/-0.000 χ²/NDF:246469.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 1184320.2/18
Left In: 0.000+/-0.000 χ²/NDF:90822.9/6
Left: 0.000+/-0.000 χ²/NDF: 341128.0/14
Right: 0.000+/-0.000 χ²/NDF: 3514192.9/34
In: 0.000+/-0.000 χ²/NDF:2409725.1/22
Out: 0.000+/-0.000 χ²/NDF:2379366.7/26
All: 0.000+/-0.000 χ²/NDF: 4791285.9/49

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: 0.012+/-0.009 χ^2/NDF:4.0/6

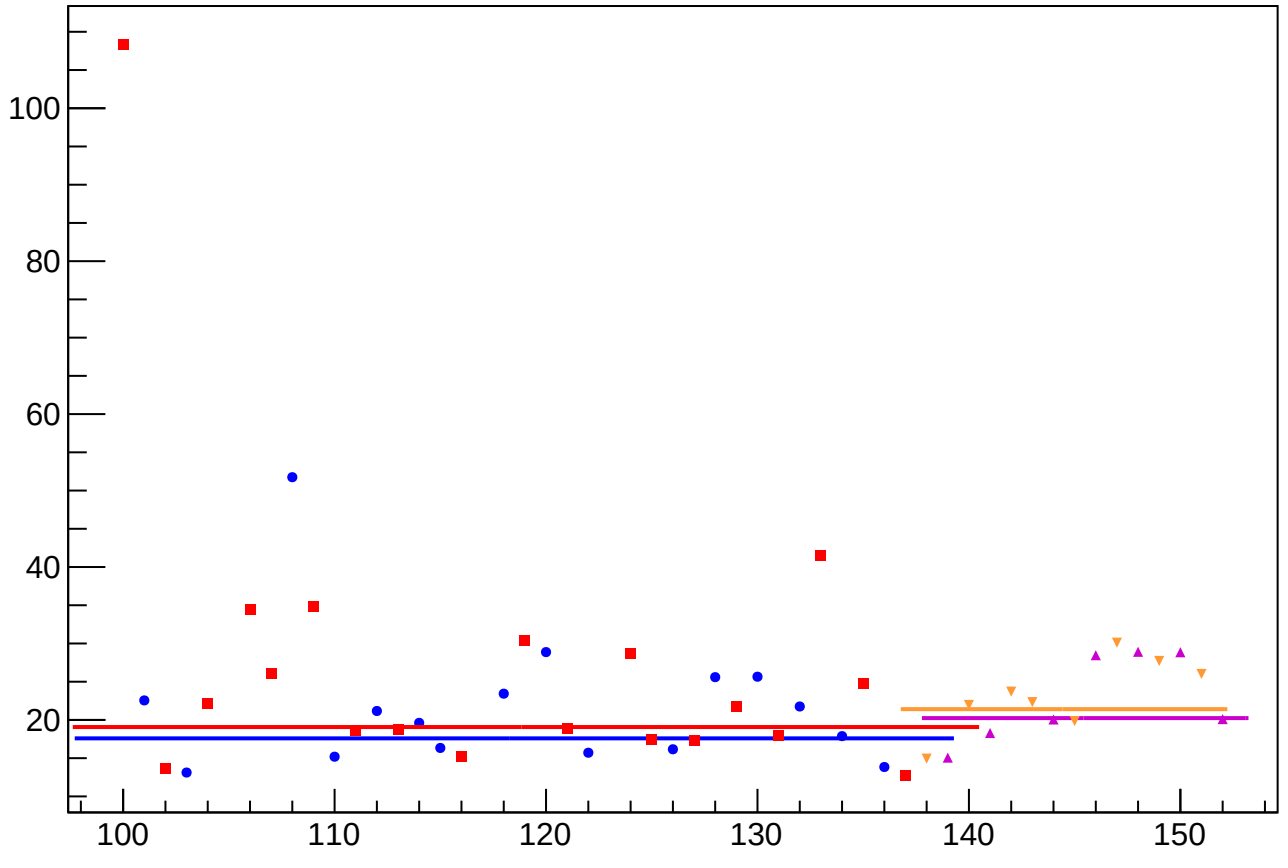
Left: -0.005+/-0.006 χ^2/NDF: 30.9/14

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.006 χ^2/NDF:23.6/22

Out: 0.004+/-0.006 χ^2/NDF:49.4/26

All: 0.002+/-0.004 χ^2/NDF: 73.1/49



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: 20.241+/-0.006 χ^2/NDF:616654.7/6

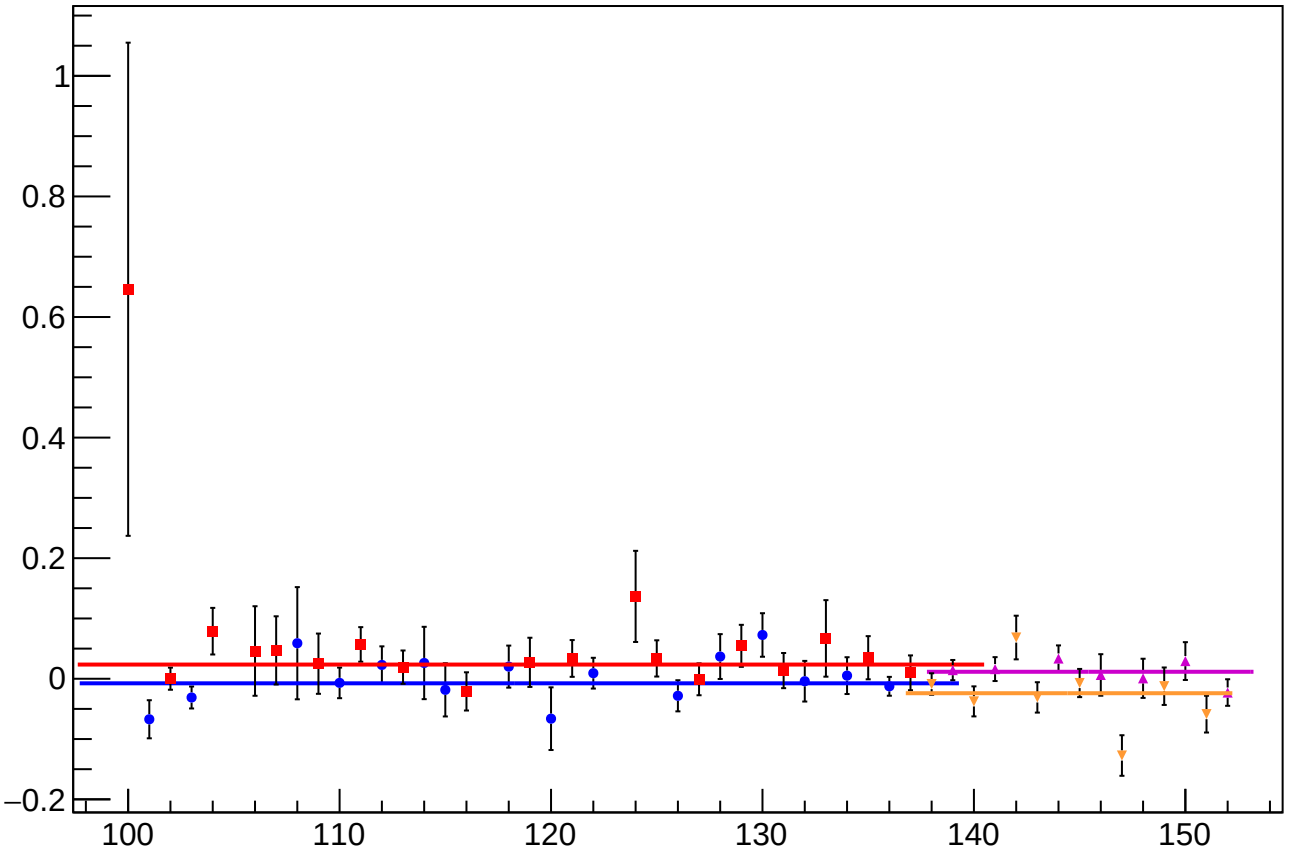
Left: 20.799+/-0.004 χ^2/NDF: 1179532.6/14

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 18.662+/-0.004 χ^2/NDF:1719312.4/22

Out: 20.047+/-0.004 χ^2/NDF:1869881.4/26

All: 19.312+/-0.003 χ^2/NDF: 3647483.5/49



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: 0.012+/-0.009 χ^2/NDF:4.0/6

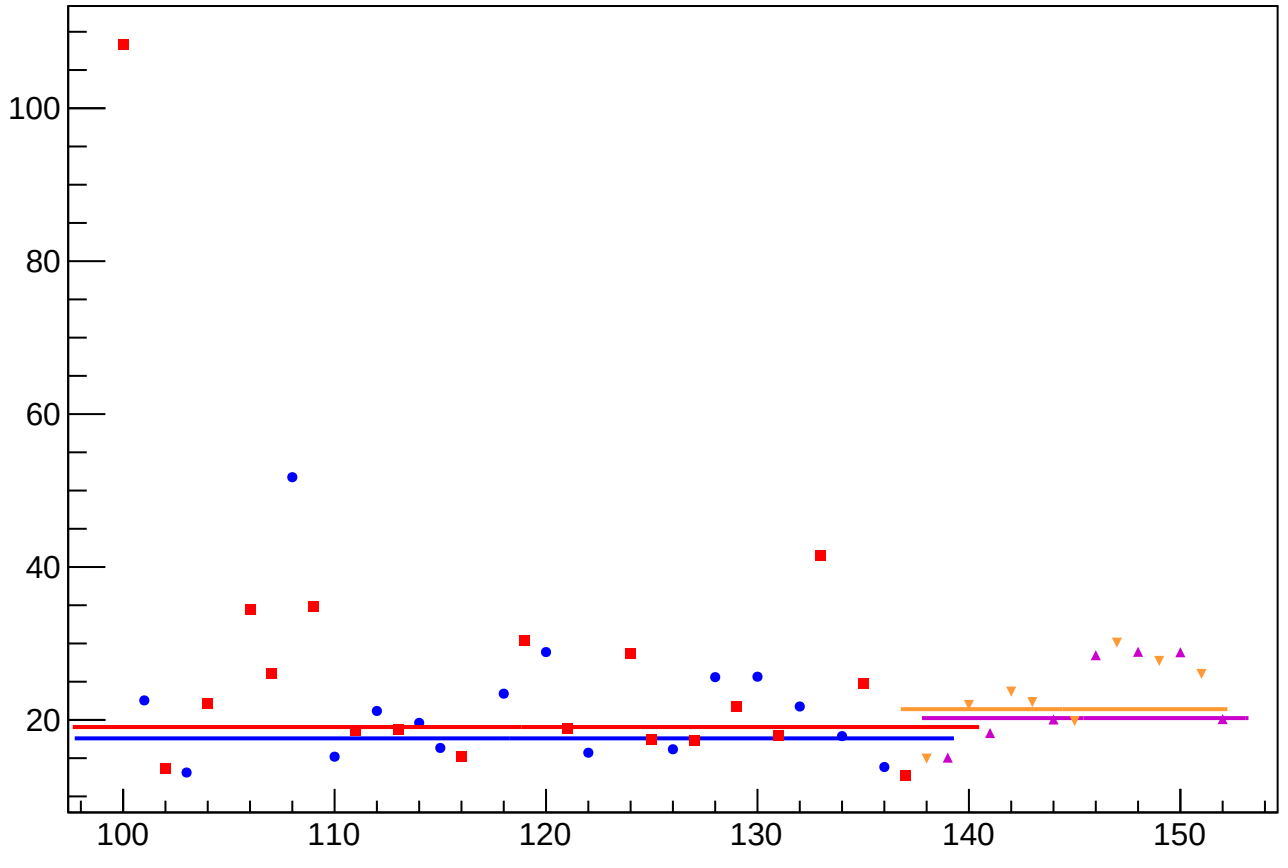
Left: -0.005+/-0.006 χ^2/NDF: 30.9/14

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.006 χ^2/NDF:23.6/22

Out: 0.004+/-0.006 χ^2/NDF:49.4/26

All: 0.002+/-0.004 χ^2/NDF: 73.1/49



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: 20.241+/-0.006 χ^2/NDF:616654.7/6

Left: 20.799+/-0.004 χ^2/NDF: 1179532.6/14

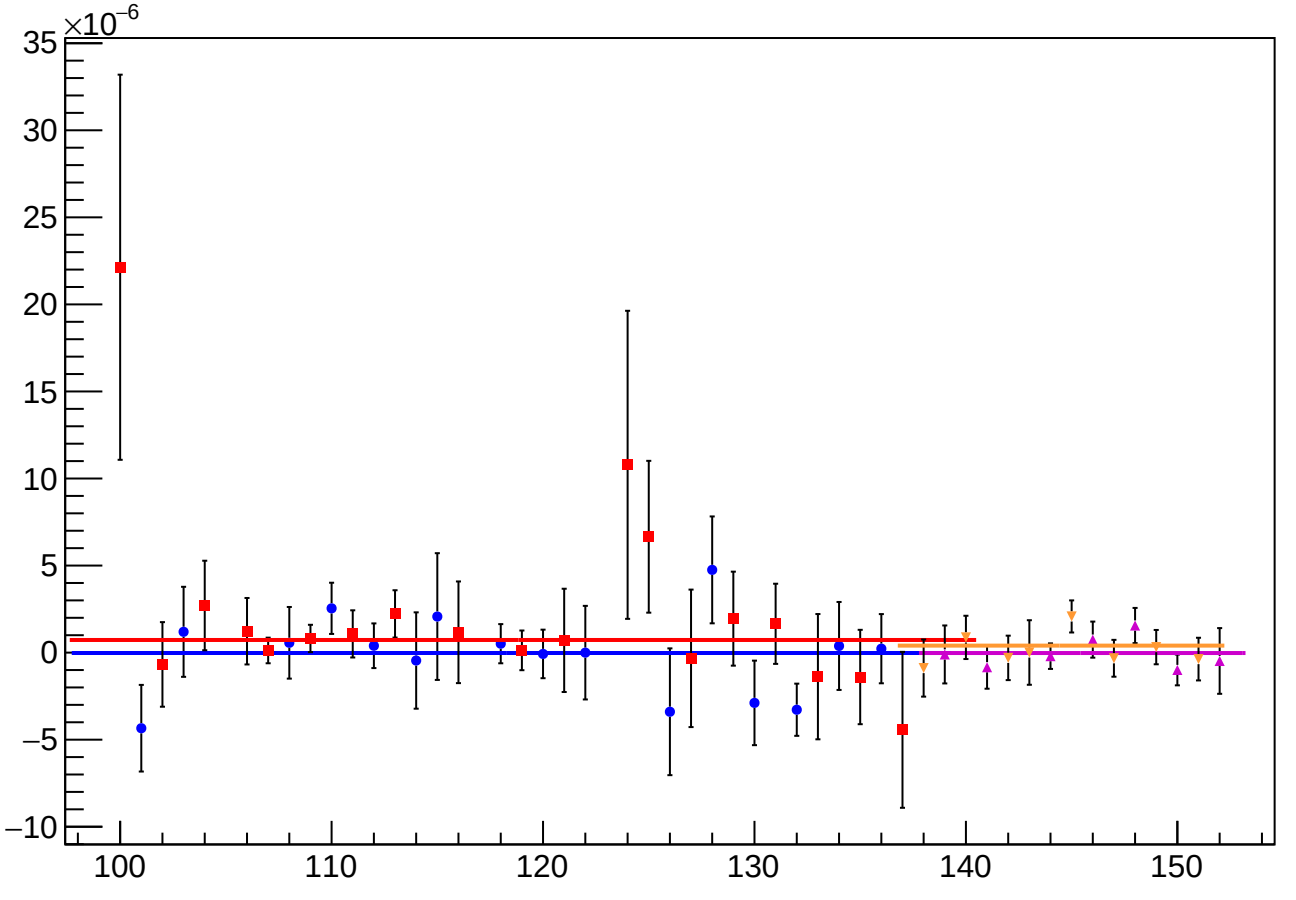
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 18.662+/-0.004 χ^2/NDF:1719312.4/22

Out: 20.047+/-0.004 χ^2/NDF:1869881.4/26

All: 19.312+/-0.003 χ^2/NDF: 3647483.5/49

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:4.8/6

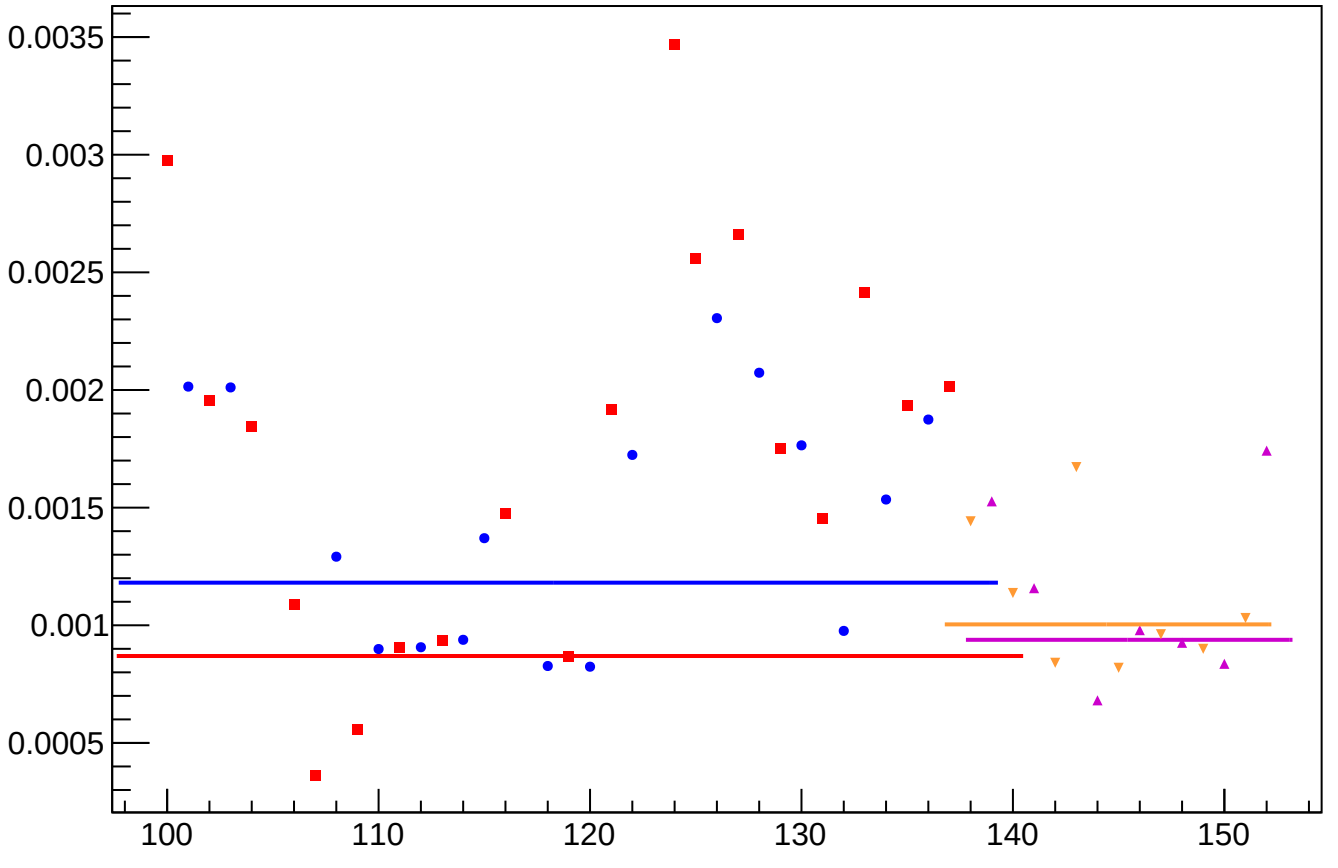
Left: 0.000+/-0.000 χ^2/NDF: 10.6/14

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:21.3/22

Out: 0.000+/-0.000 χ^2/NDF:18.5/26

All: 0.000+/-0.000 χ^2/NDF: 41.9/49



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:951824.3/6

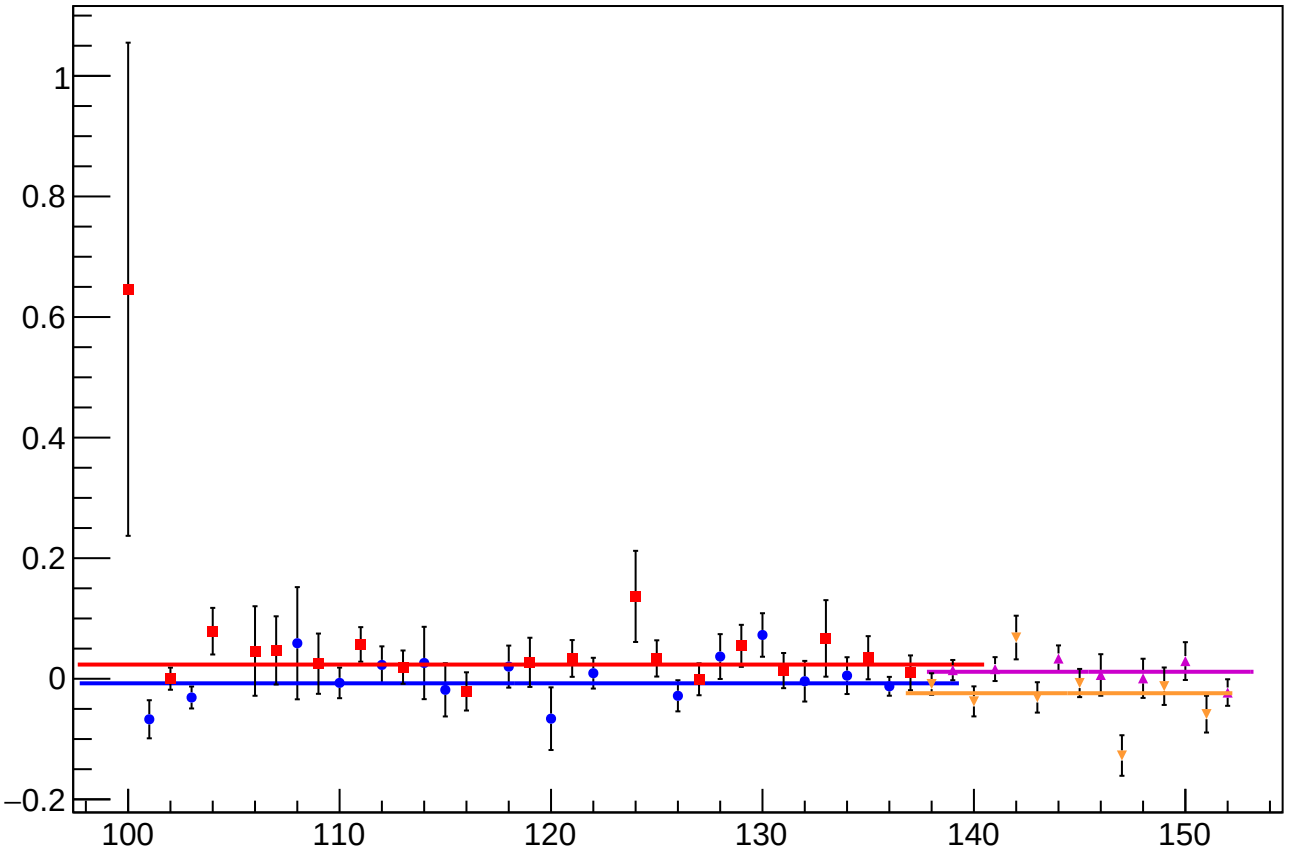
Left: 0.001+/-0.000 χ^2/NDF: 1542340.3/14

Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:3089615.4/22

Out: 0.001+/-0.000 χ^2/NDF:5112593.2/26

All: 0.001+/-0.000 χ^2/NDF: 8338903.3/49



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: 0.012+/-0.009 χ^2/NDF:4.0/6

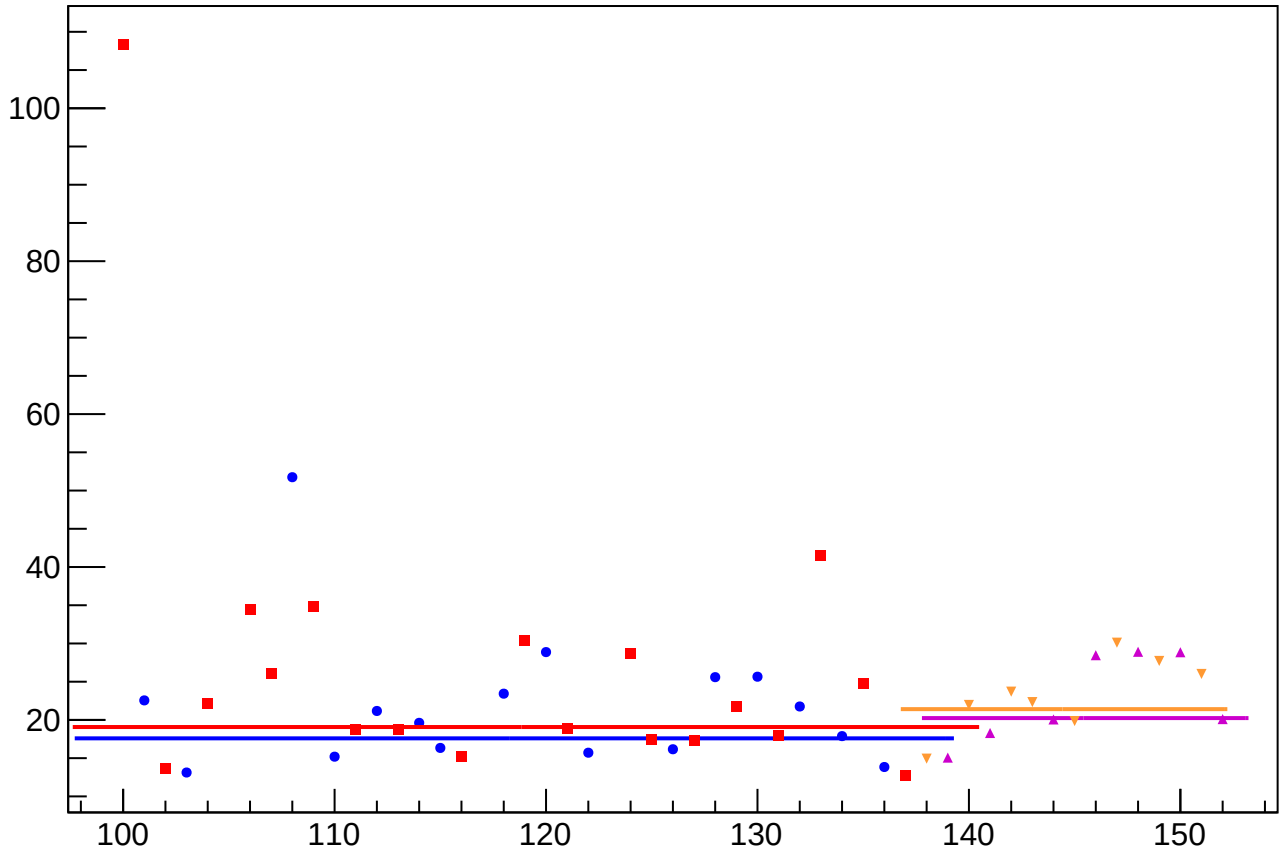
Left: -0.005+/-0.006 χ^2/NDF: 30.9/14

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.006 χ^2/NDF:23.6/22

Out: 0.004+/-0.006 χ^2/NDF:49.4/26

All: 0.002+/-0.004 χ^2/NDF: 73.1/49



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: 20.241+/-0.006 χ^2/NDF:616614.4/6

Left: 20.800+/-0.004 χ^2/NDF: 1179476.3/14

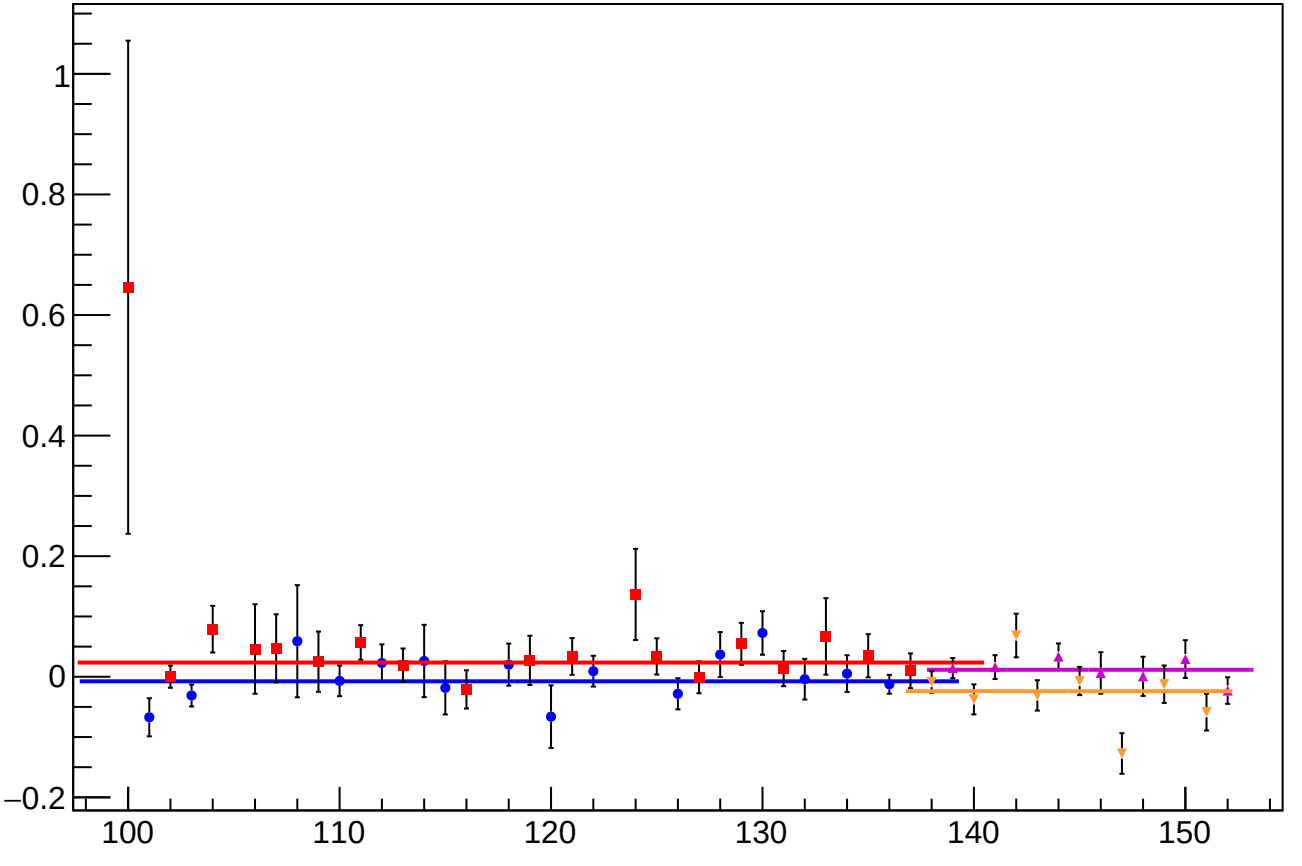
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 18.662+/-0.004 χ^2/NDF:1719328.0/22

Out: 20.048+/-0.004 χ^2/NDF:1869776.2/26

All: 19.312+/-0.003 χ^2/NDF: 3647404.2/49

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: 0.012+/-0.009 χ^2/NDF:4.0/6

Left: -0.005+/-0.006 χ^2/NDF: 30.9/14

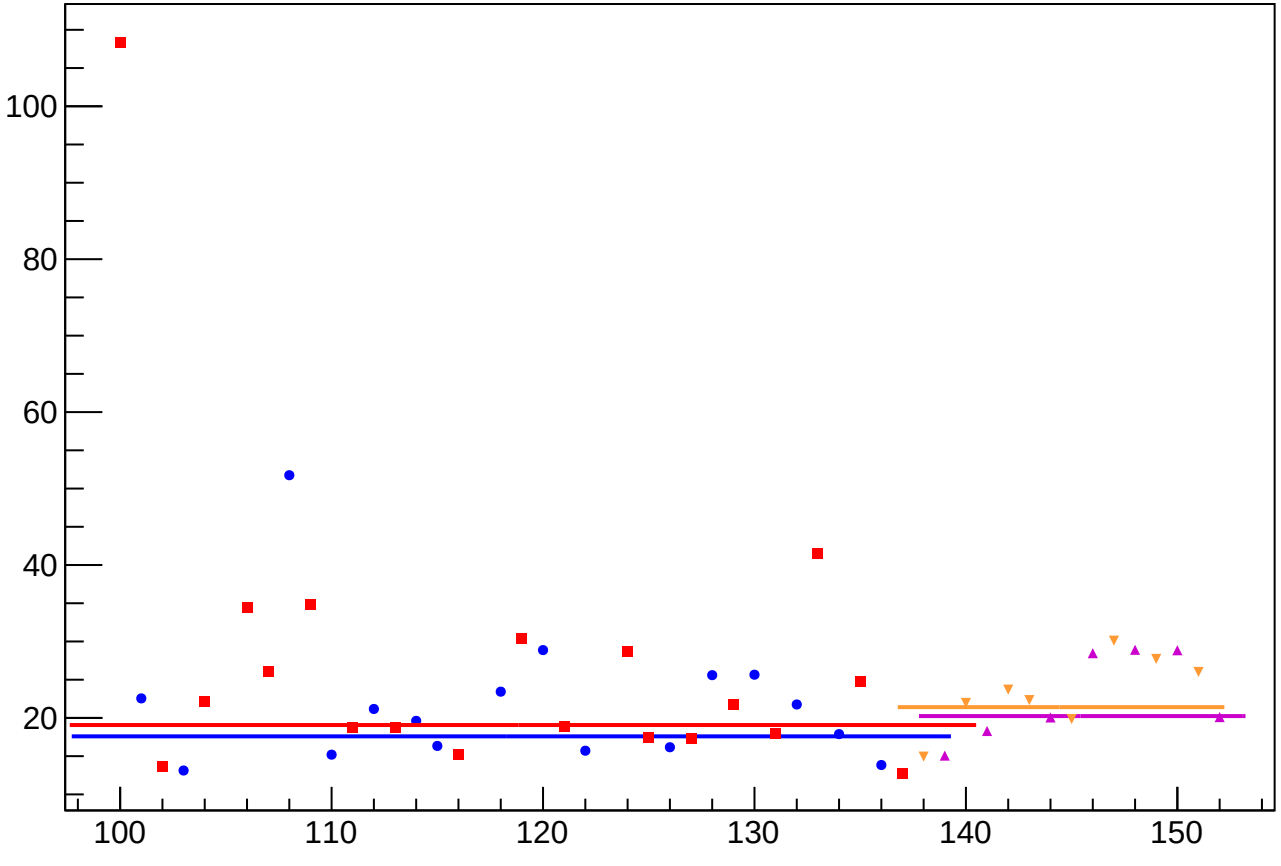
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.006 χ^2/NDF:23.6/22

Out: 0.004+/-0.006 χ^2/NDF:49.4/26

All: 0.002+/-0.004 χ^2/NDF: 73.1/49

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: 20.241+/-0.006 χ^2/NDF:616614.4/6

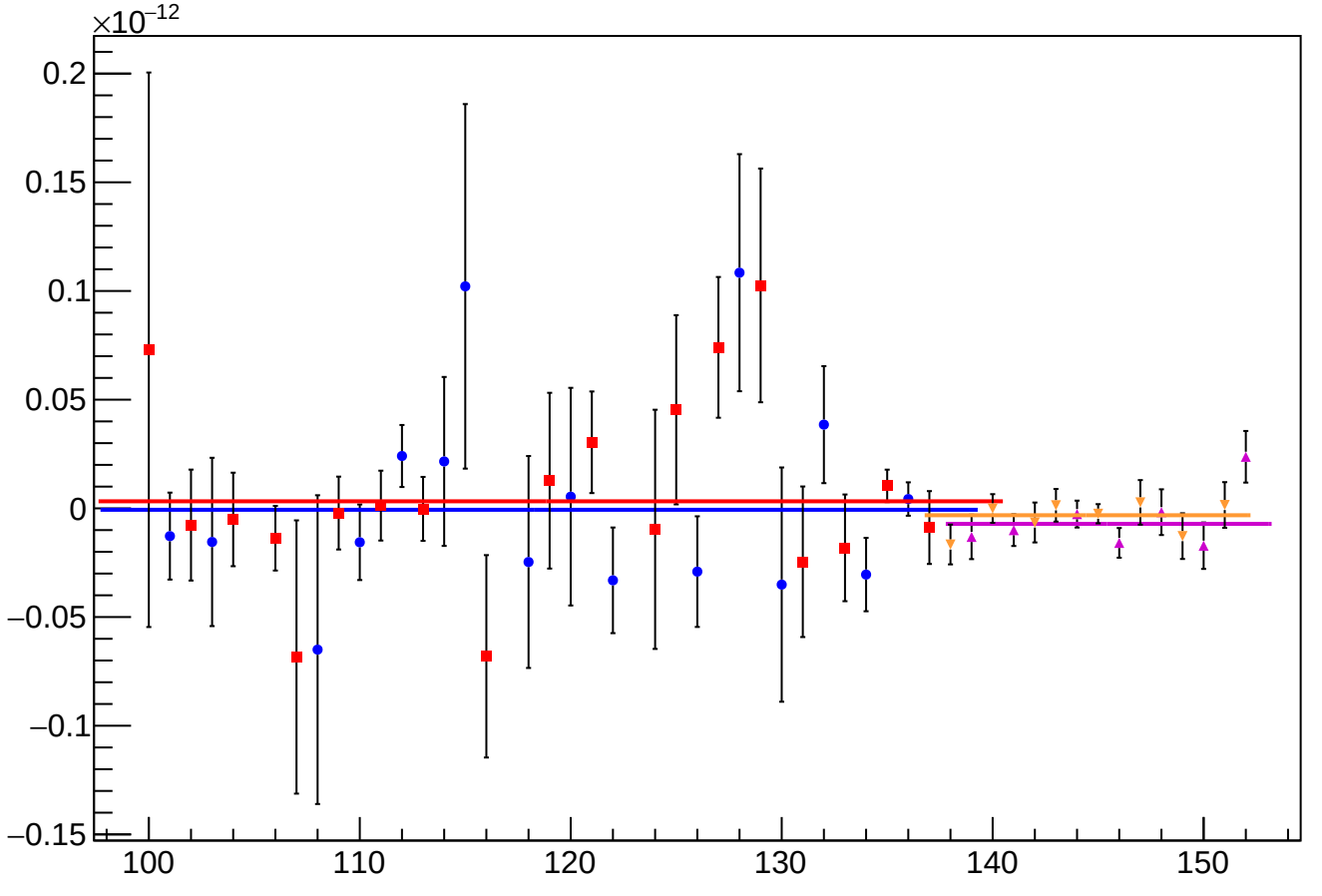
Left: 20.800+/-0.004 χ^2/NDF: 1179476.3/14

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 18.662+/-0.004 χ^2/NDF:1719328.0/22

Out: 20.048+/-0.004 χ^2/NDF:1869776.2/26

All: 19.312+/-0.003 χ^2/NDF: 3647404.2/49



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:10.6/6

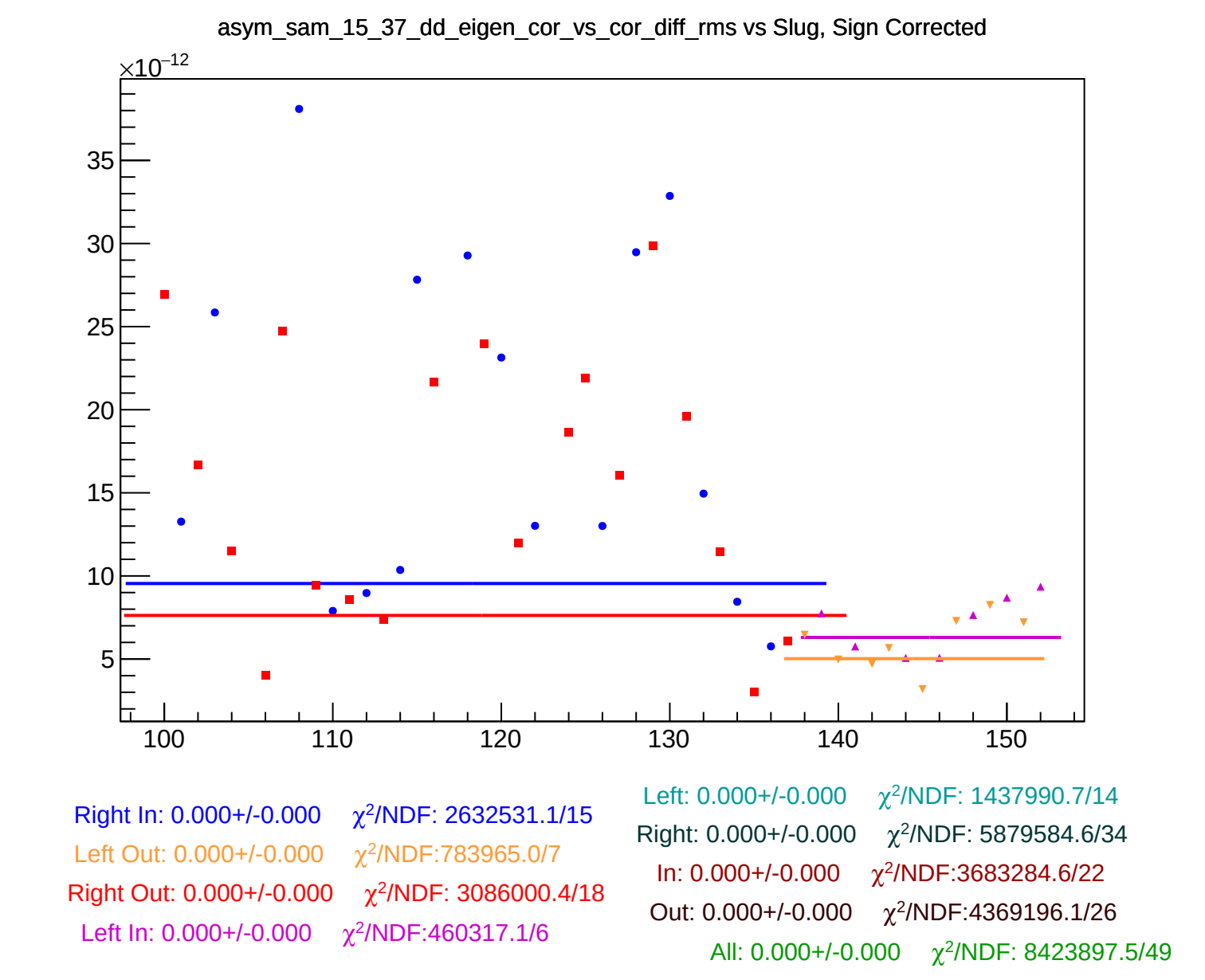
Left: -0.000+/-0.000 χ^2/NDF: 15.8/14

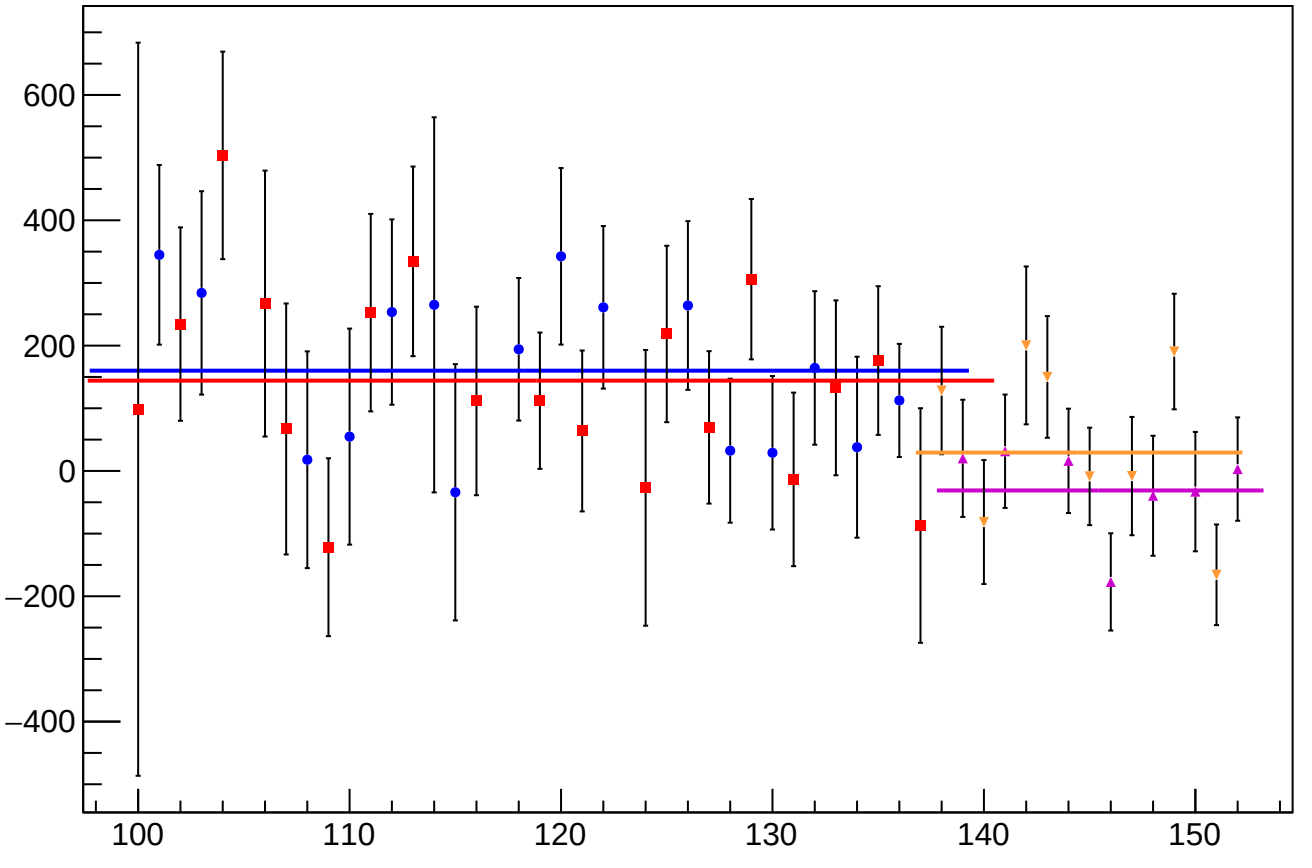
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:32.0/22

Out: -0.000+/-0.000 χ^2/NDF:25.0/26

All: -0.000+/-0.000 χ^2/NDF: 58.2/49


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:460317.1/6
Left: 0.000+/-0.000 χ²/NDF: 1437990.7/14
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:3683284.6/22
Out: 0.000+/-0.000 χ²/NDF:4369196.1/26
All: 0.000+/-0.000 χ²/NDF: 8423897.5/49



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: -31.150+/-33.097 χ^2/NDF:4.8/6

Left: -0.811+/-23.370 χ^2/NDF: 21.4/14

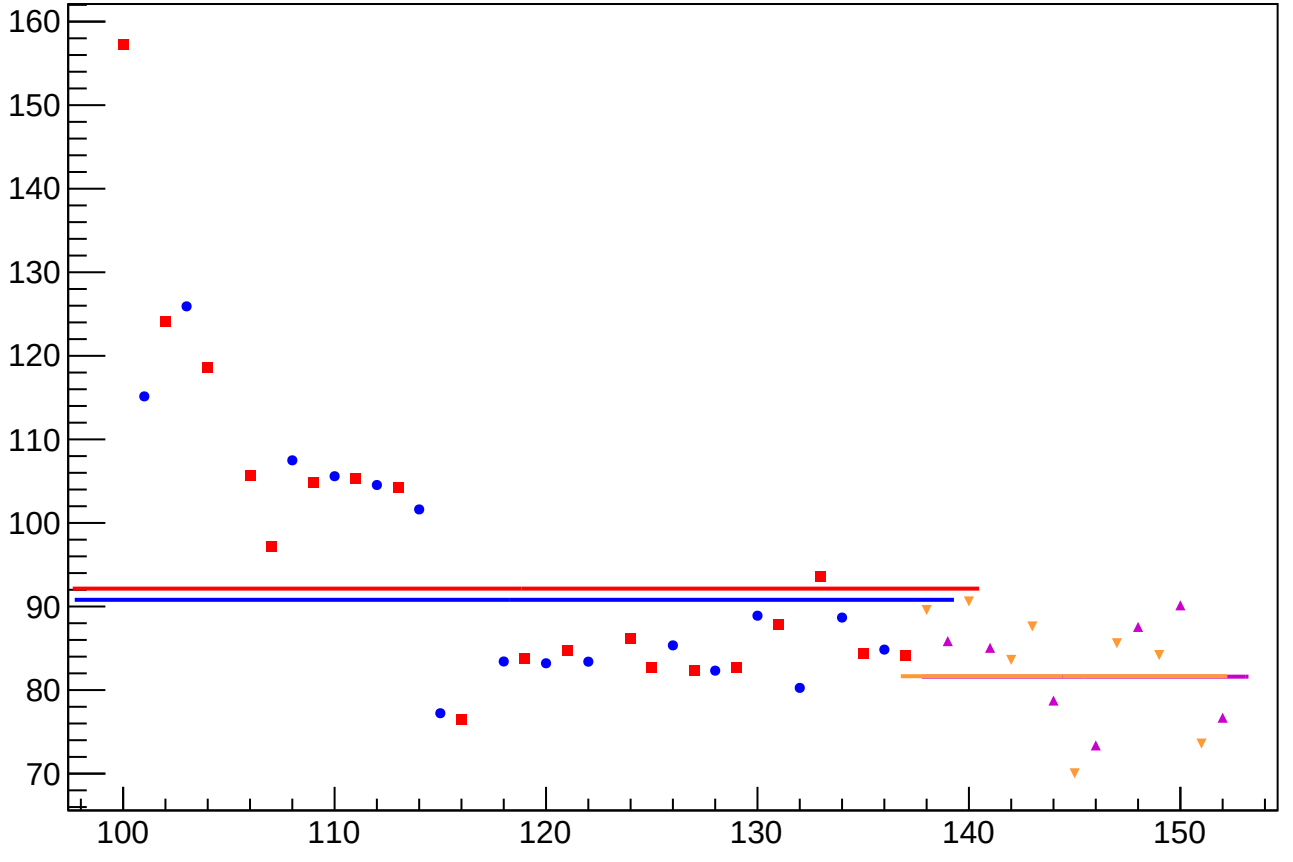
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 61.388+/-23.773 χ^2/NDF:32.0/22

Out: 84.670+/-23.753 χ^2/NDF:38.2/26

All: 73.039+/-16.803 χ^2/NDF: 70.7/49

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 81.658+/-0.023 χ^2/NDF:106324.3/7

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 81.604+/-0.023 χ^2/NDF:62760.3/6

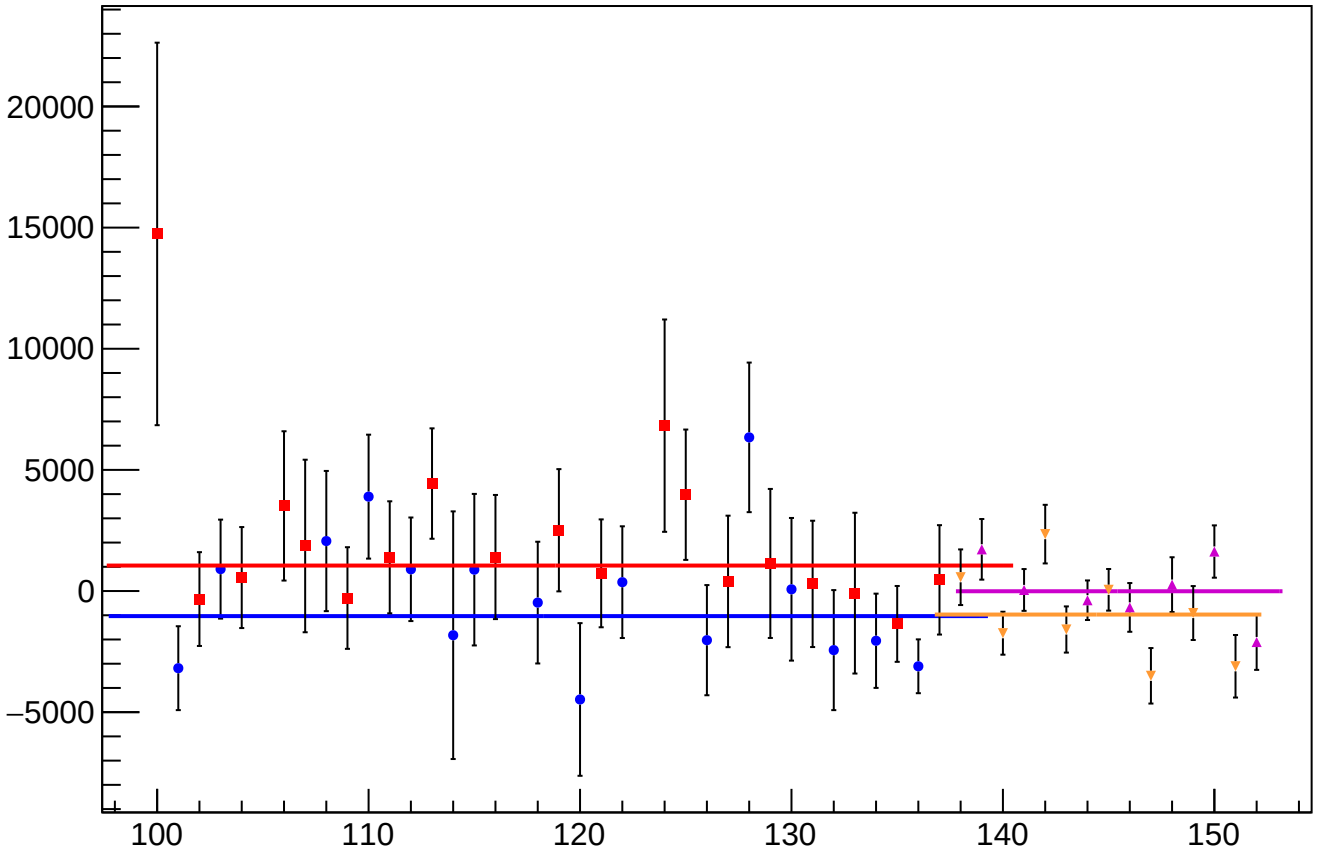
Left: 81.631+/-0.017 χ^2/NDF: 169087.3/14

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 86.056+/-0.017 χ^2/NDF:410289.1/22

Out: 86.711+/-0.017 χ^2/NDF:505629.2/26

All: 86.384+/-0.012 χ^2/NDF: 916677.0/49



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: -9.139+/-381.597 χ^2/NDF:8.2/6

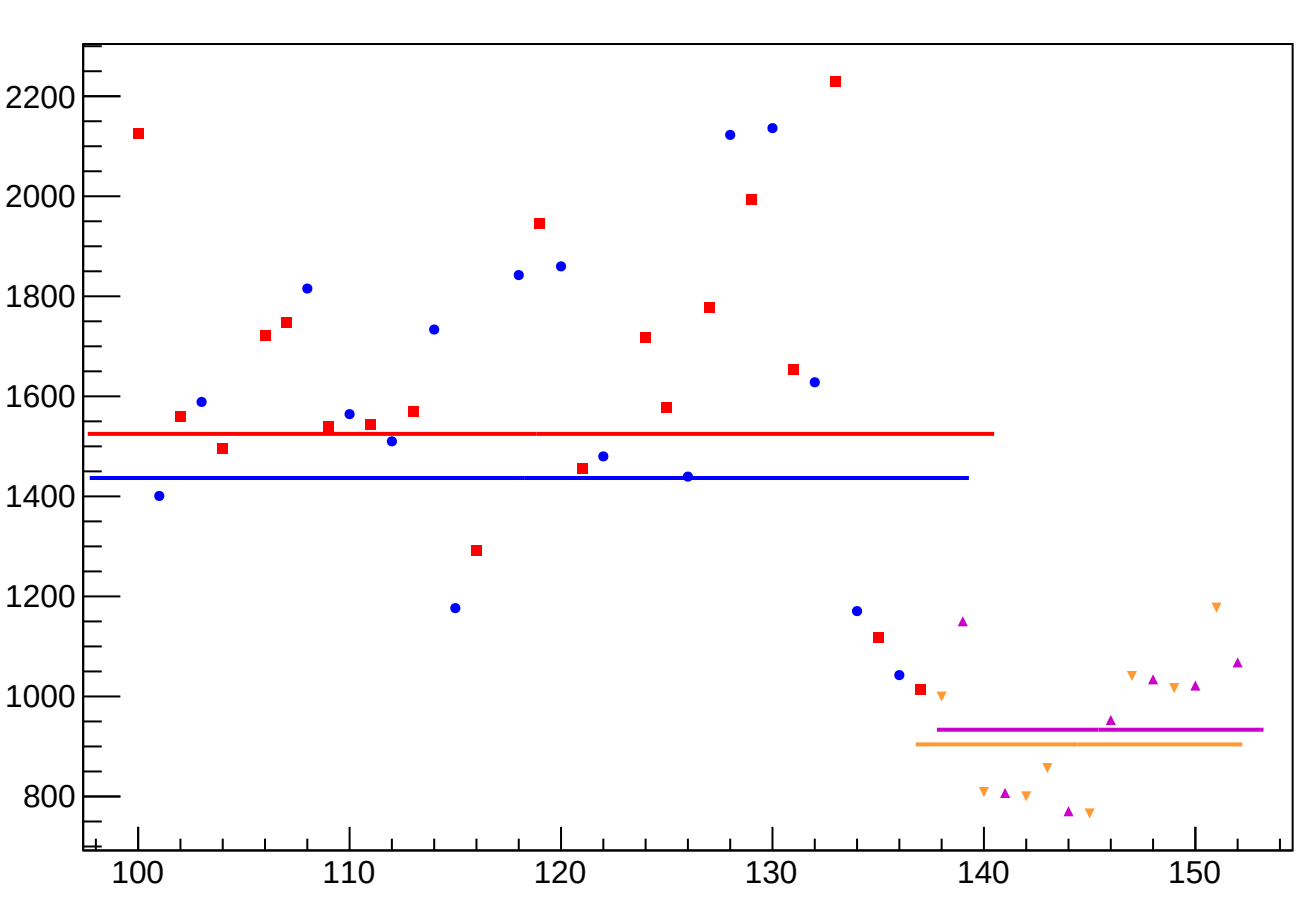
Left: -505.904+/-265.302 χ^2/NDF: 31.0/14

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -342.337+/-313.564 χ^2/NDF:30.8/22

Out: -371.666+/-309.646 χ^2/NDF:41.3/26

All: -357.186+/-220.325 χ^2/NDF: 72.1/49



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: 933.472+/-0.270 χ^2/NDF:240132.1/6

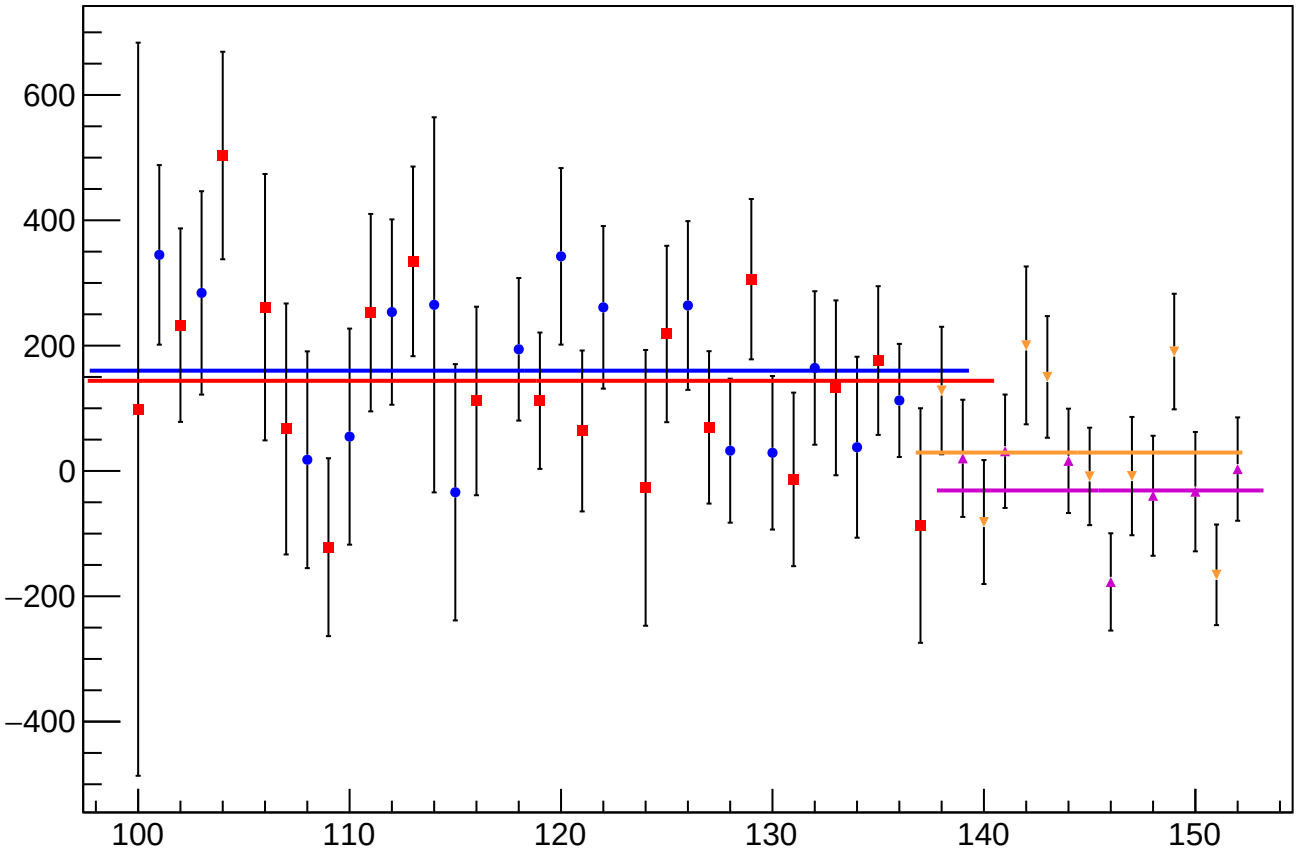
Left: 918.305+/-0.188 χ^2/NDF: 493293.8/14

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1096.925+/-0.222 χ^2/NDF:2045620.3/22

Out: 1088.017+/-0.219 χ^2/NDF:2427729.3/26

All: 1092.415+/-0.156 χ^2/NDF: 4474166.8/49



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: -31.147+/-33.097 χ^2/NDF:4.8/6

Left: -0.808+/-23.370 χ^2/NDF: 21.4/14

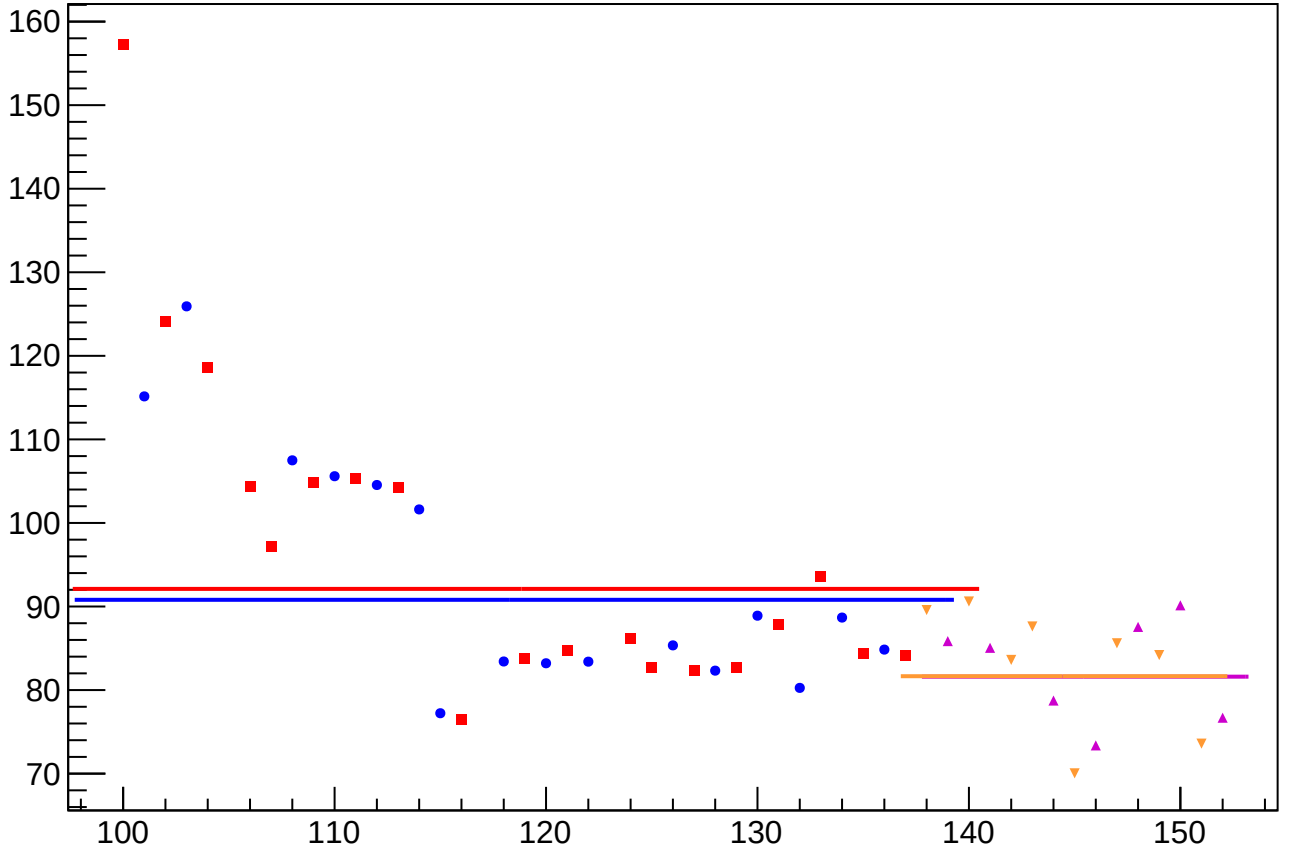
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 61.388+/-23.773 χ^2/NDF:32.0/22

Out: 84.544+/-23.754 χ^2/NDF:38.1/26

All: 72.976+/-16.803 χ^2/NDF: 70.6/49

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: 81.604+/-0.023 χ^2/NDF:62760.3/6

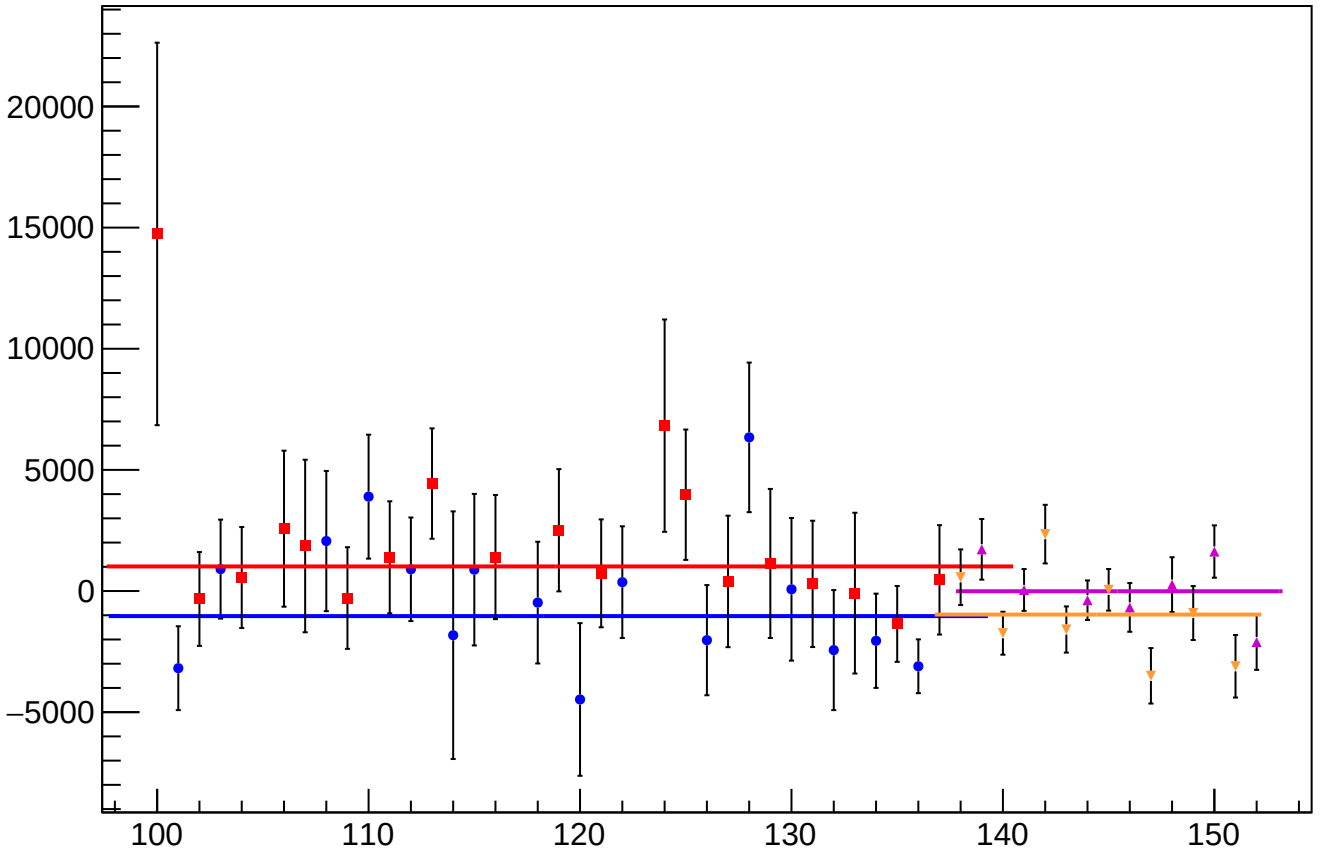
Left: 81.631+/-0.017 χ^2/NDF: 169087.3/14

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 86.056+/-0.017 χ^2/NDF:410291.0/22

Out: 86.694+/-0.017 χ^2/NDF:503745.7/26

All: 86.376+/-0.012 χ^2/NDF: 914758.1/49



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: -9.133+/-381.598 χ^2/NDF:8.2/6

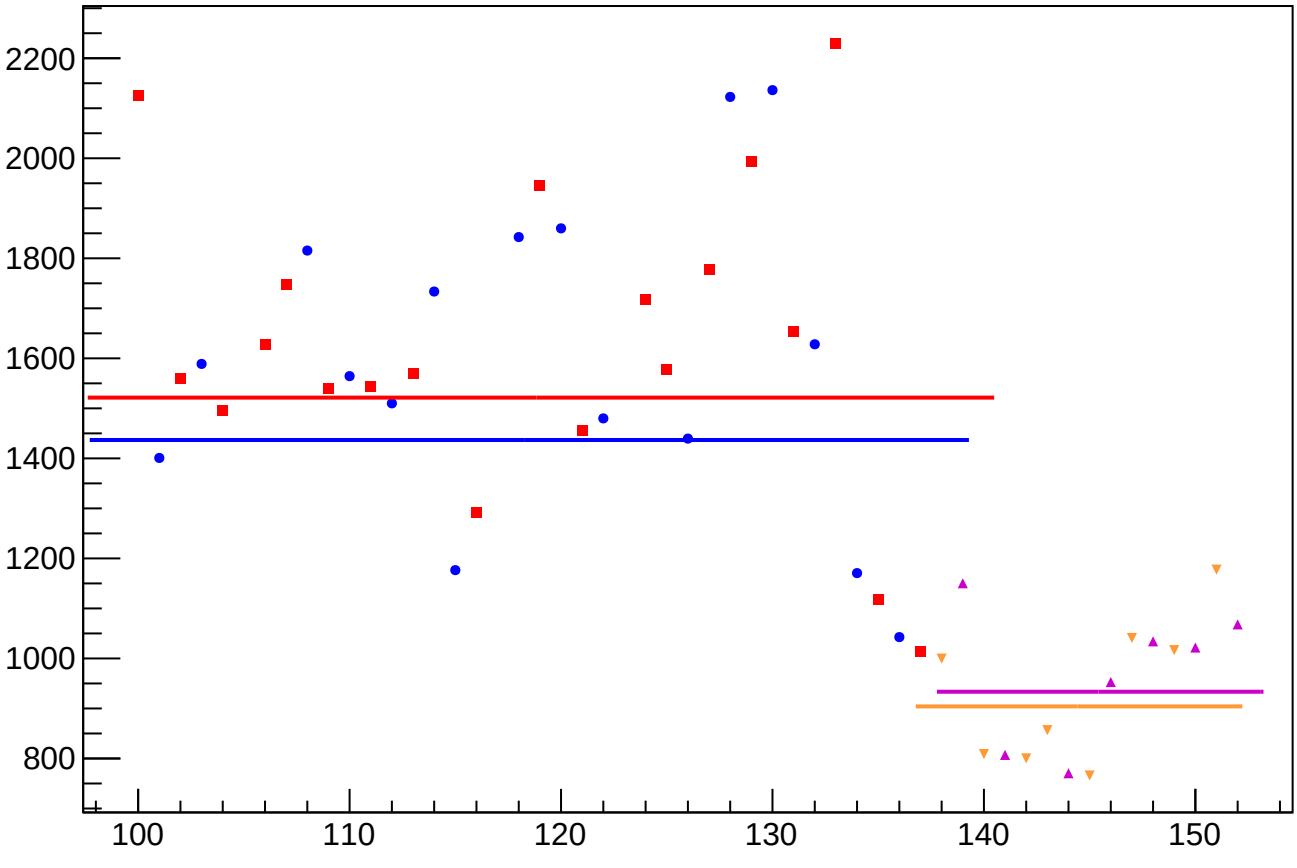
Left: -505.897+/-265.302 χ^2/NDF: 31.0/14

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -342.323+/-313.564 χ^2/NDF:30.8/22

Out: -383.581+/-309.781 χ^2/NDF:40.6/26

All: -363.203+/-220.373 χ^2/NDF: 71.4/49



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: 933.472+/-0.270 χ^2/NDF:240132.7/6

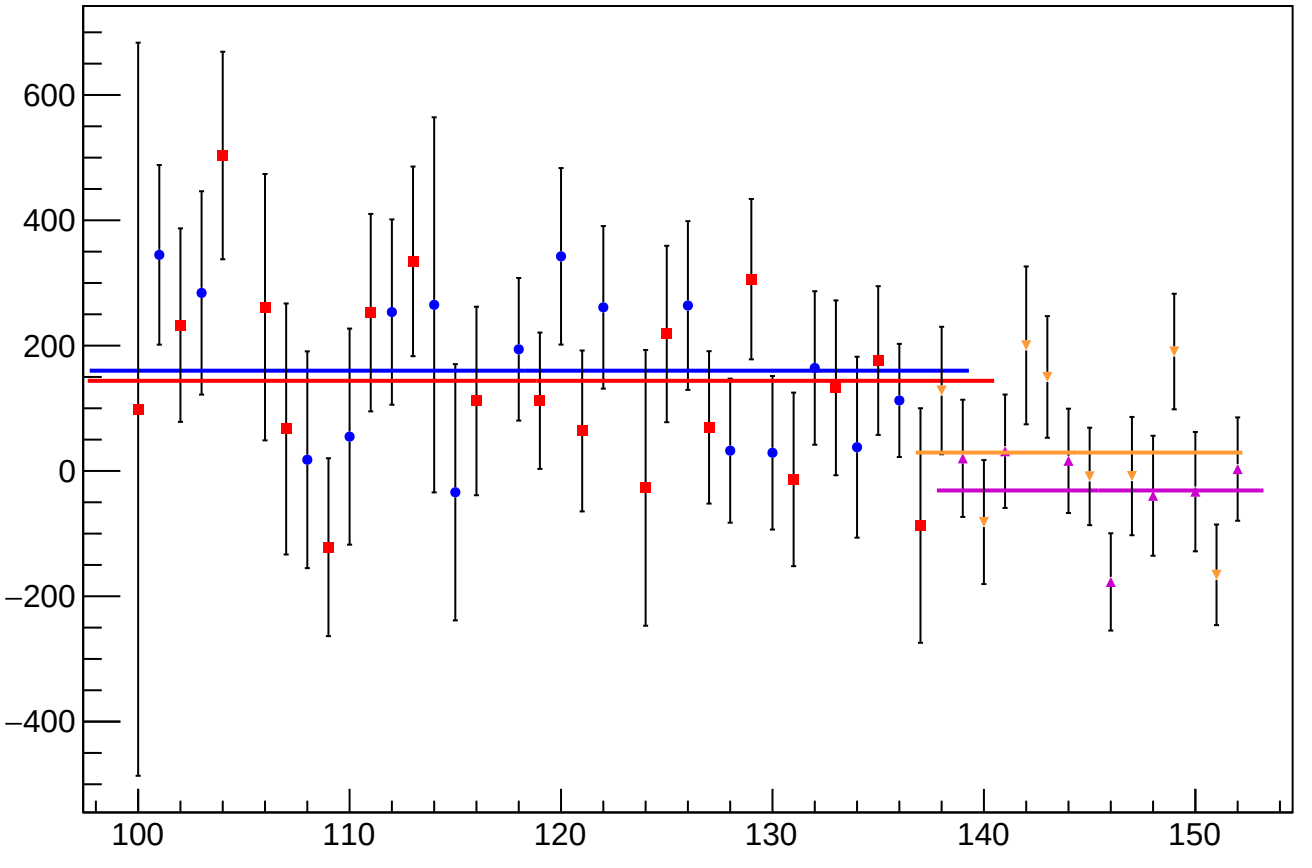
Left: 918.305+/-0.188 χ^2/NDF: 493295.2/14

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1096.926+/-0.222 χ^2/NDF:2045640.1/22

Out: 1086.613+/-0.219 χ^2/NDF:2399474.3/26

All: 1091.707+/-0.156 χ^2/NDF: 4446209.1/49



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: -31.147+/-33.097 χ^2/NDF:4.8/6

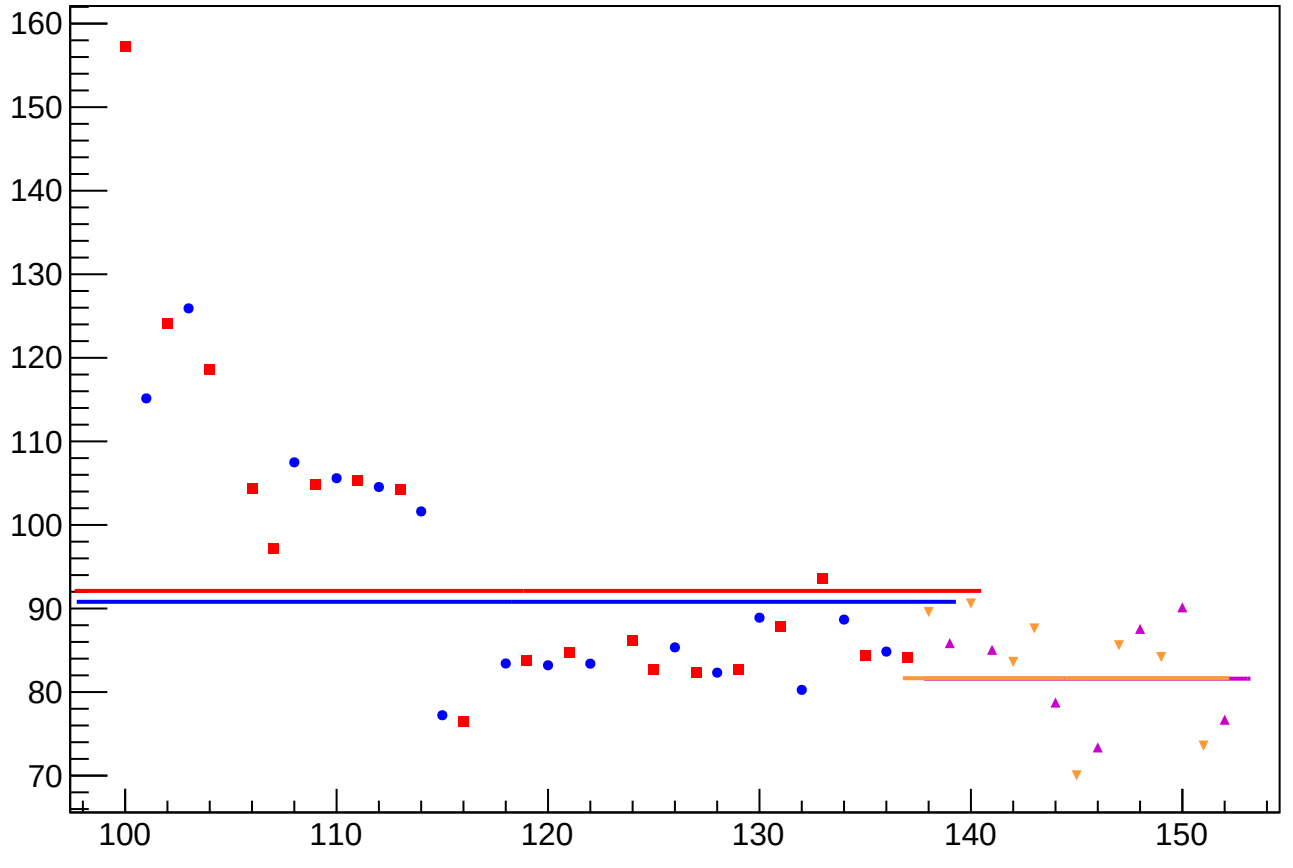
Left: -0.808+/-23.370 χ^2/NDF: 21.4/14

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 61.388+/-23.773 χ^2/NDF:32.0/22

Out: 84.544+/-23.754 χ^2/NDF:38.1/26

All: 72.976+/-16.803 χ^2/NDF: 70.6/49



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: 81.604+/-0.023 χ^2/NDF:62760.3/6

Left: 81.631+/-0.017 χ^2/NDF: 169087.3/14

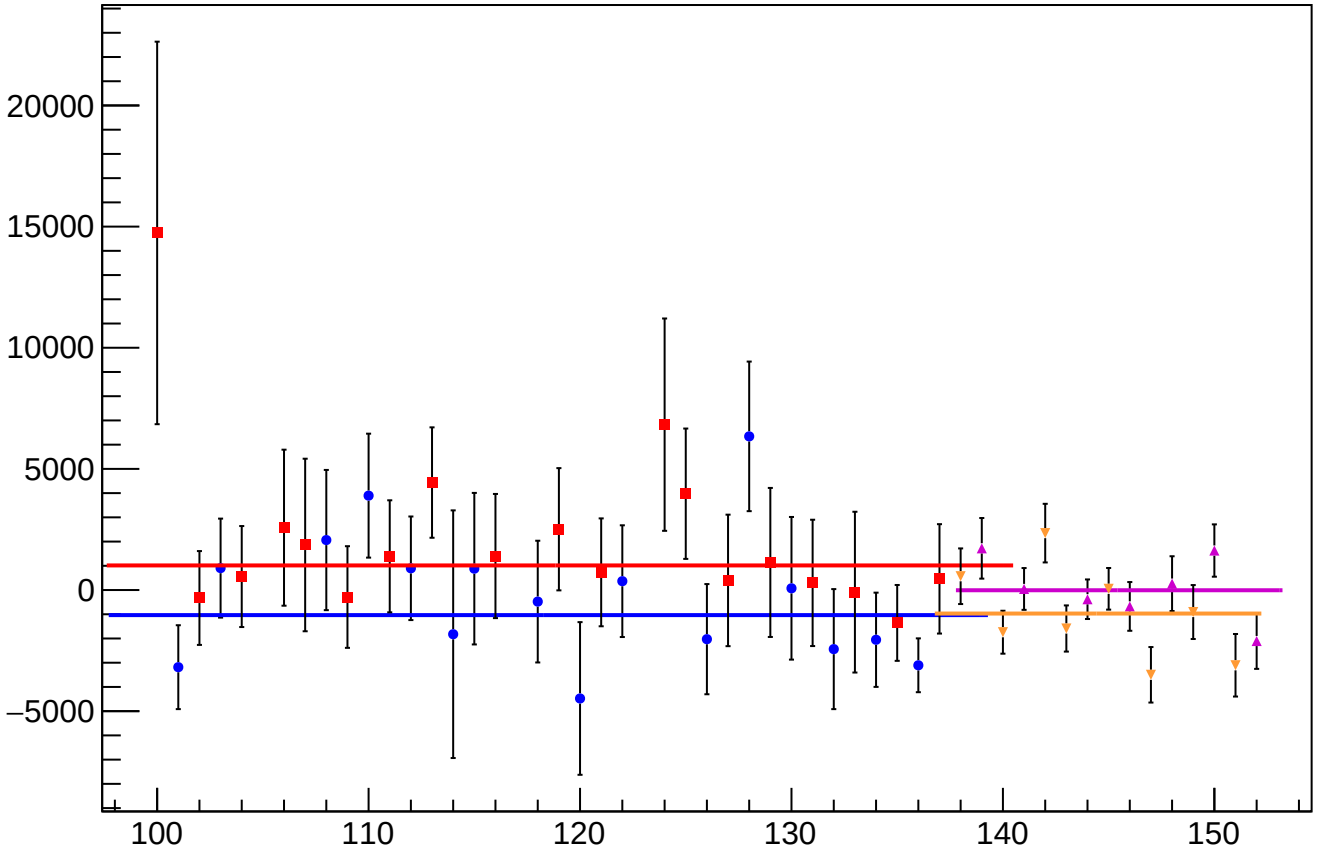
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 86.056+/-0.017 χ^2/NDF:410291.0/22

Out: 86.694+/-0.017 χ^2/NDF:503745.7/26

All: 86.376+/-0.012 χ^2/NDF: 914758.1/49

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: -9.133+/-381.598 χ^2/NDF:8.2/6

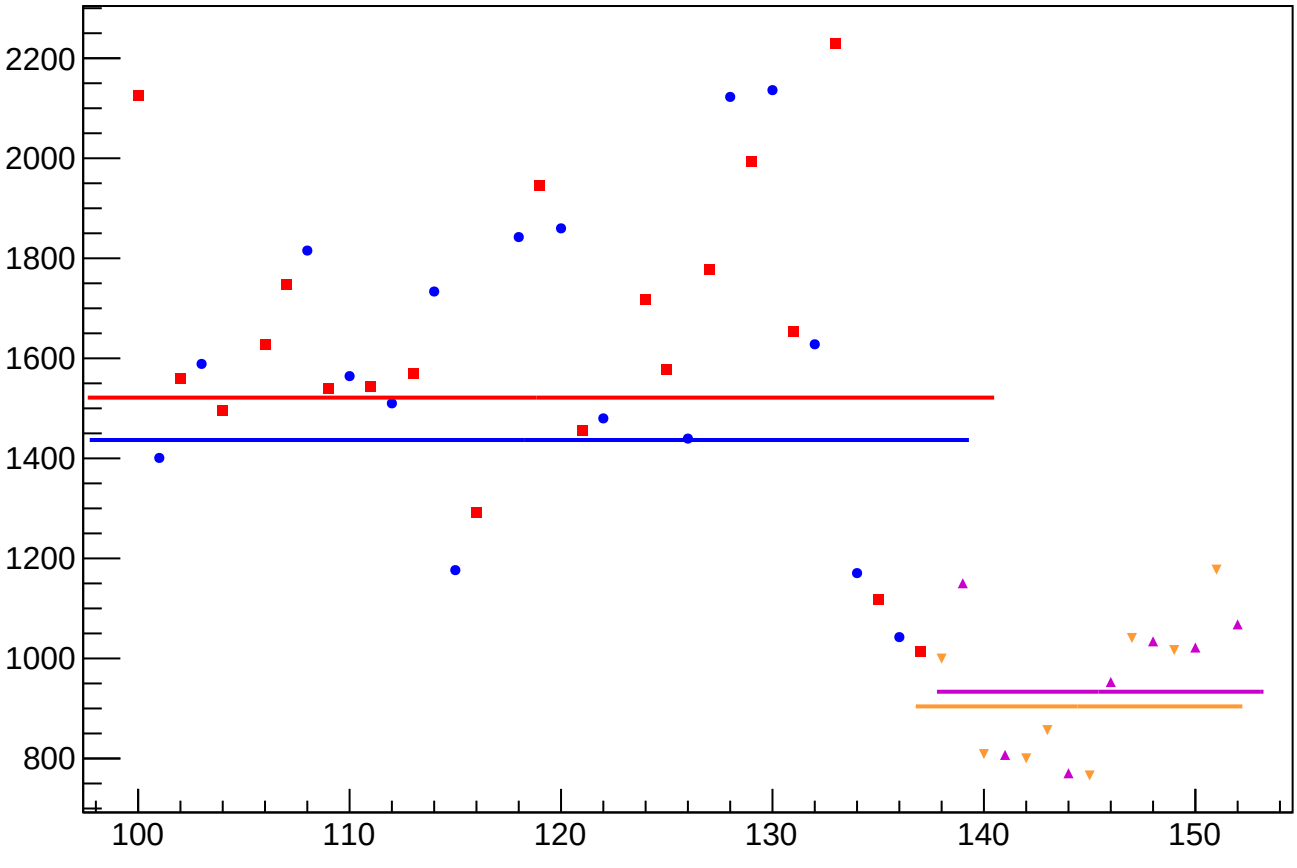
Left: -505.897+/-265.302 χ^2/NDF: 31.0/14

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -342.323+/-313.564 χ^2/NDF:30.8/22

Out: -383.581+/-309.781 χ^2/NDF:40.6/26

All: -363.203+/-220.373 χ^2/NDF: 71.4/49



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: 933.472+/-0.270 χ^2/NDF:240132.7/6

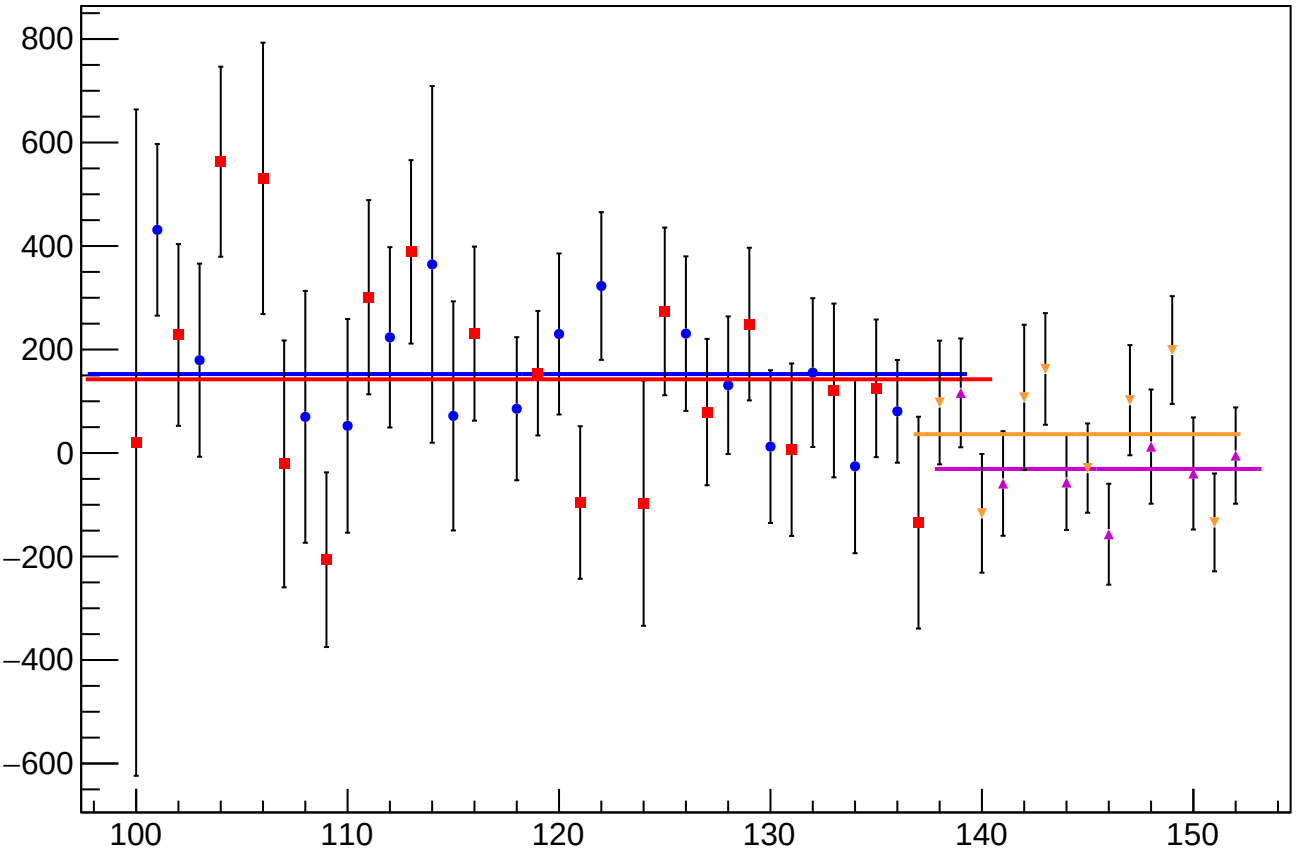
Left: 918.305+/-0.188 χ^2/NDF: 493295.2/14

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1096.926+/-0.222 χ^2/NDF:2045640.1/22

Out: 1086.613+/-0.219 χ^2/NDF:2399474.3/26

All: 1091.707+/-0.156 χ^2/NDF: 4446209.1/49



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: 36.456+/-37.545 χ^2/NDF:10.3/7

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -30.809+/-37.923 χ^2/NDF:4.0/6

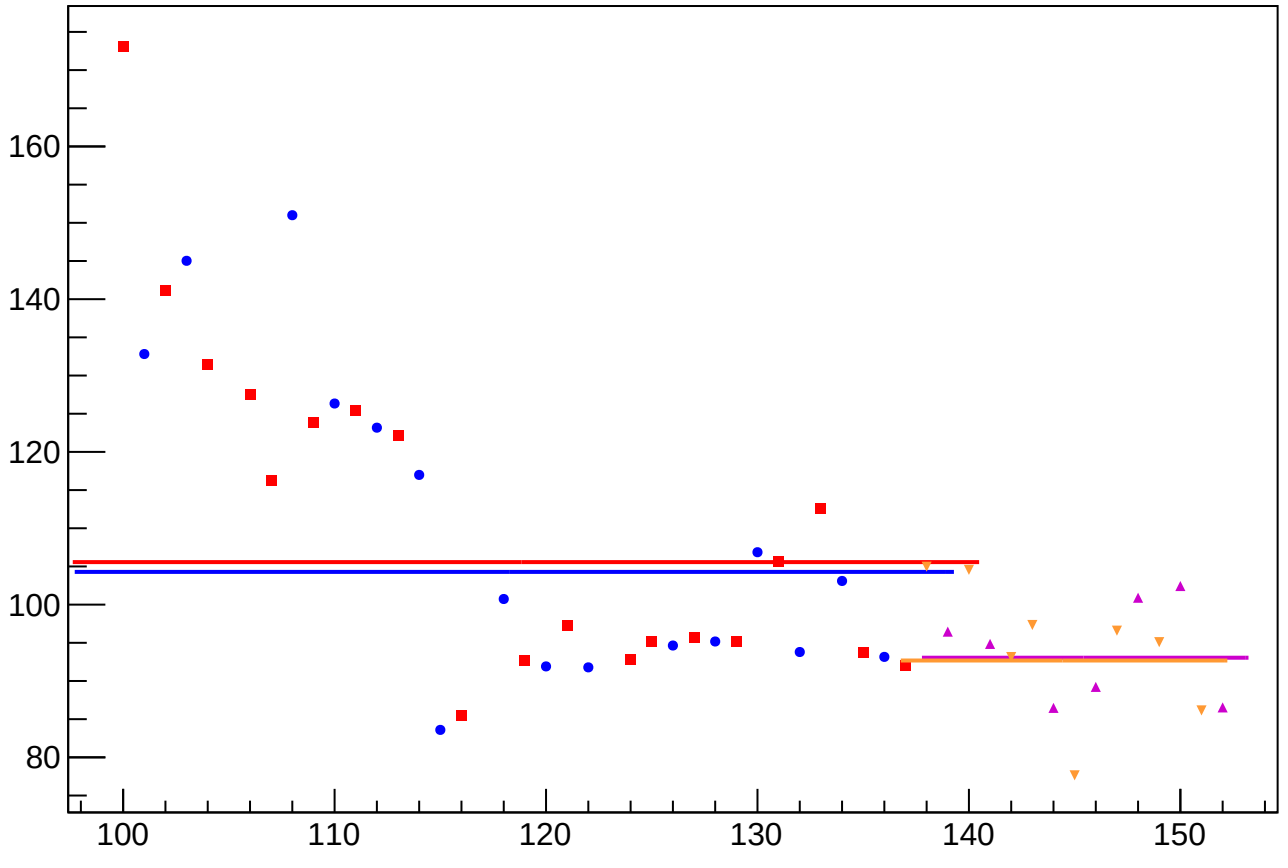
Left: 3.161+/-26.681 χ^2/NDF: 15.9/14

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 57.300+/-27.338 χ^2/NDF:23.9/22

Out: 87.002+/-27.161 χ^2/NDF:37.0/26

All: 72.247+/-19.268 χ^2/NDF: 61.5/49



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: 93.047+/-0.027 χ^2/NDF:51027.6/6

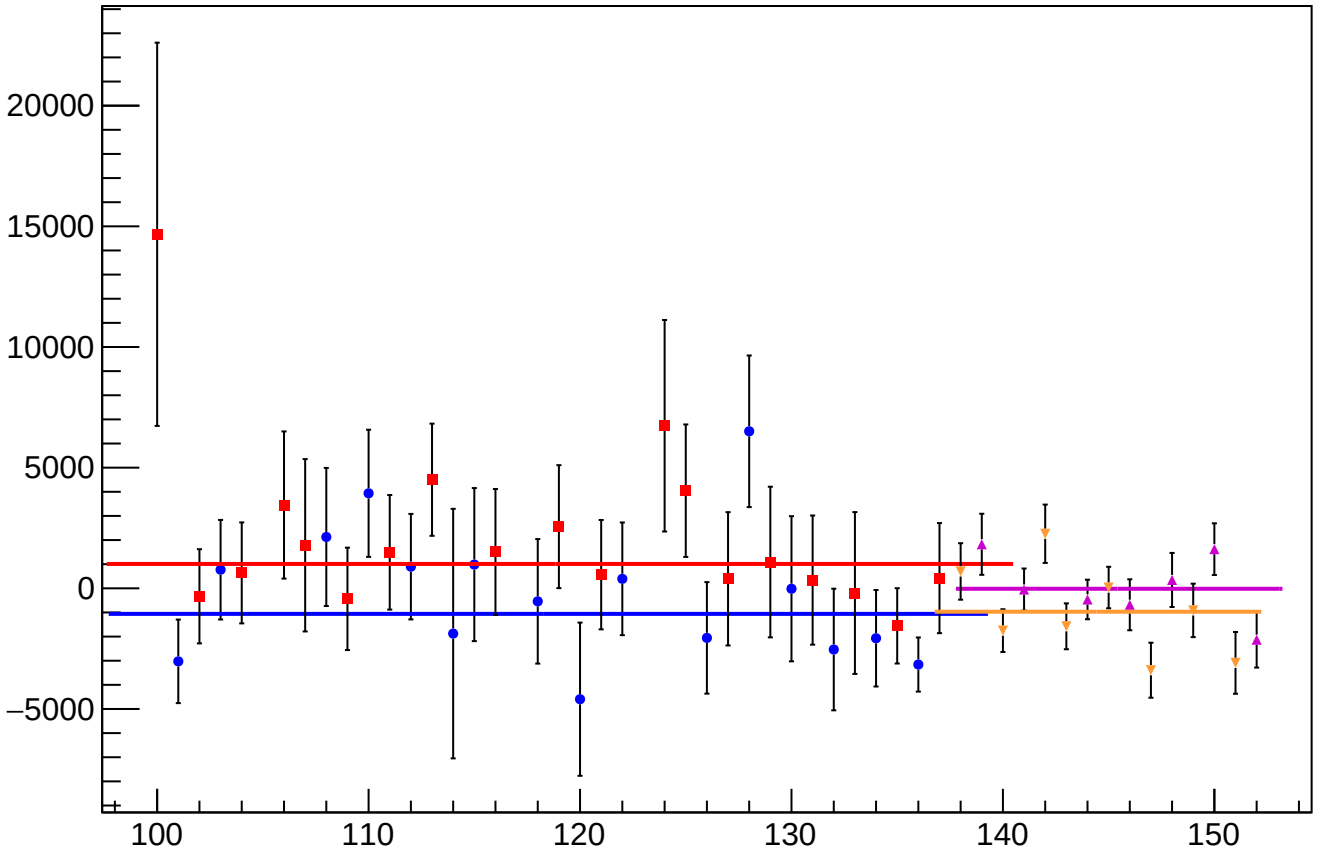
Left: 92.863+/-0.019 χ^2/NDF: 171502.8/14

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 98.446+/-0.019 χ^2/NDF:513708.0/22

Out: 98.824+/-0.019 χ^2/NDF:577287.2/26

All: 98.636+/-0.014 χ^2/NDF: 1091188.4/49



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: -19.023+/-384.943 χ^2/NDF:8.6/6

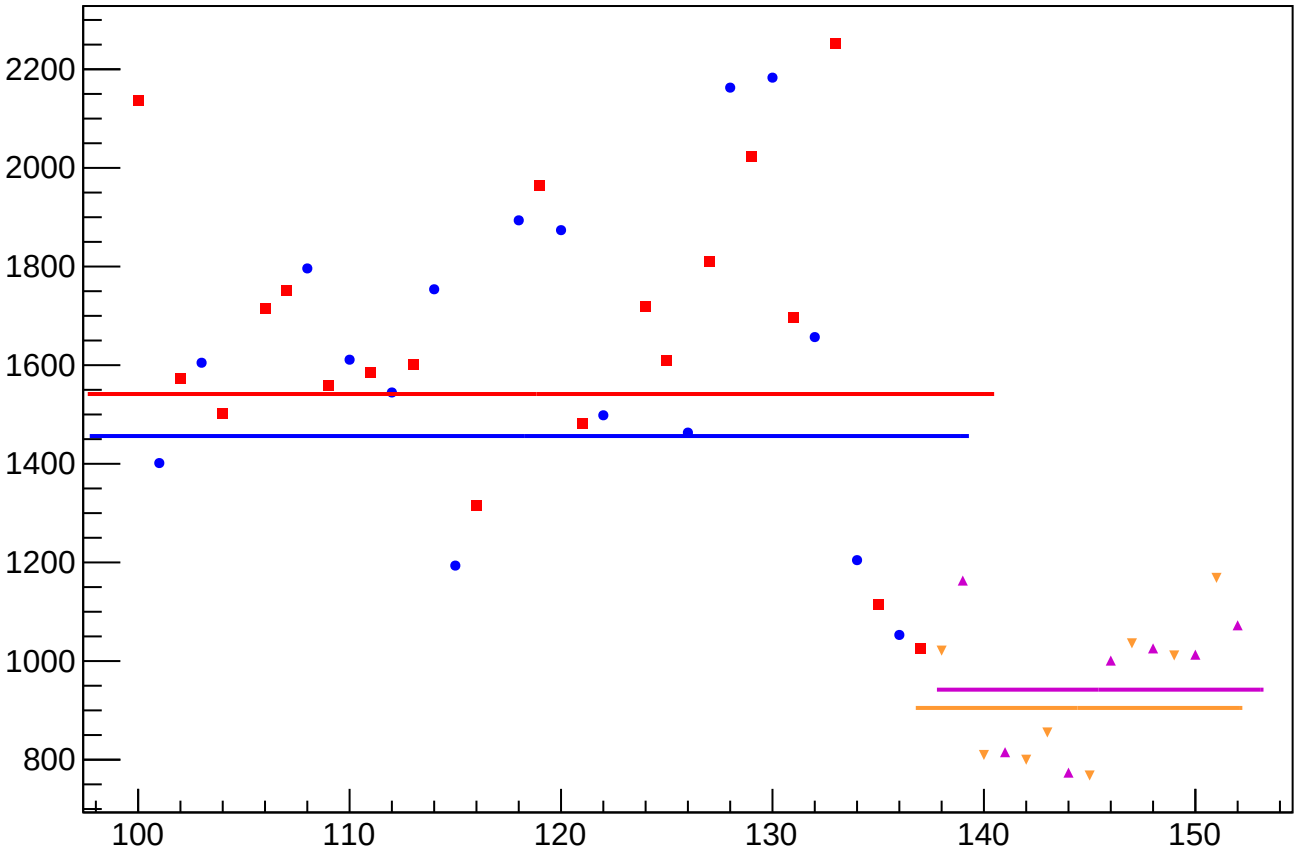
Left: -514.338+/-266.405 χ^2/NDF: 30.8/14

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -354.770+/-316.794 χ^2/NDF:31.0/22

Out: -392.202+/-310.608 χ^2/NDF:40.7/26

All: -373.855+/-221.788 χ^2/NDF: 71.7/49



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: 942.017+/-0.272 χ^2/NDF:239560.2/6

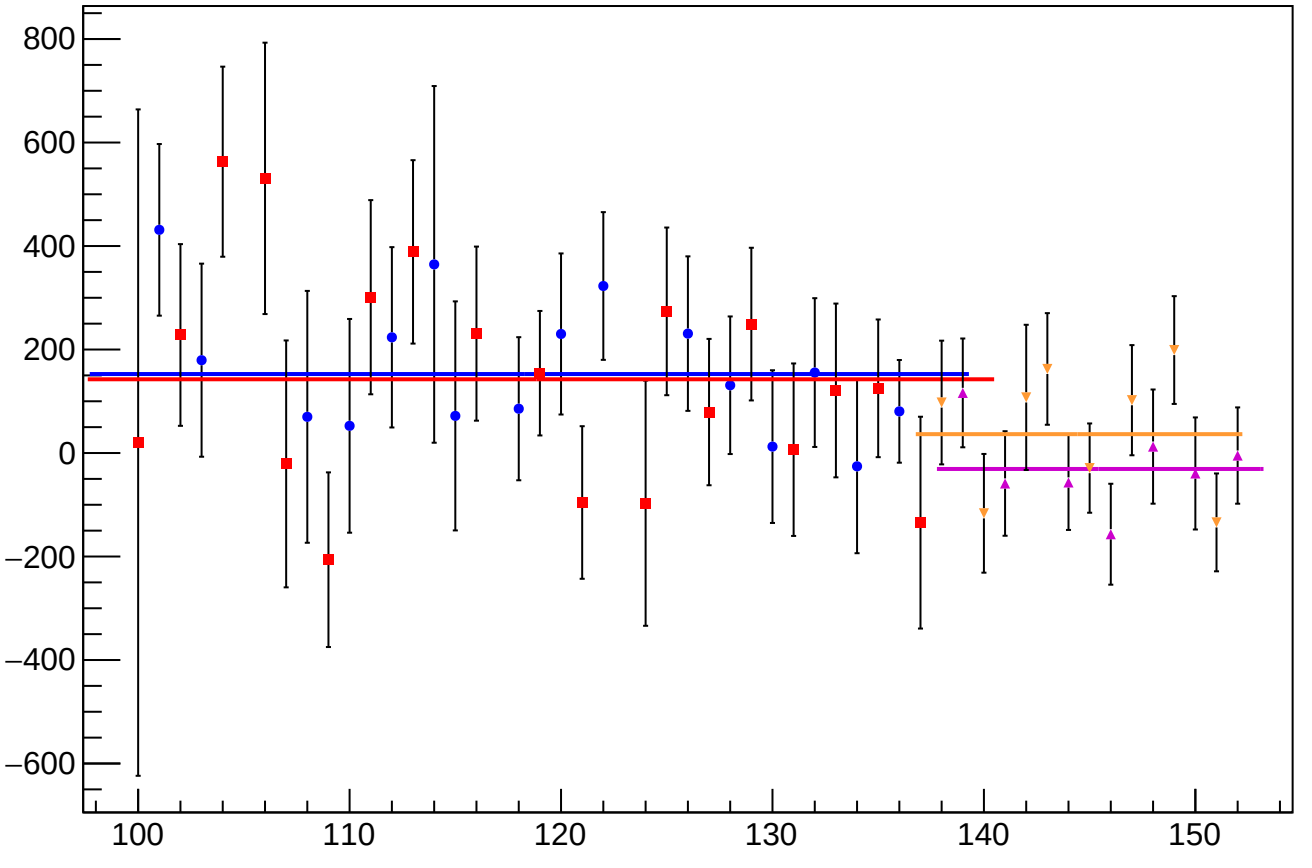
Left: 922.709+/-0.188 χ^2/NDF: 493211.0/14

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1107.993+/-0.224 χ^2/NDF:2076453.7/22

Out: 1090.646+/-0.220 χ^2/NDF:2498896.3/26

All: 1099.149+/-0.157 χ^2/NDF: 4578407.4/49



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: -30.808+/-37.923 χ^2/NDF:4.0/6

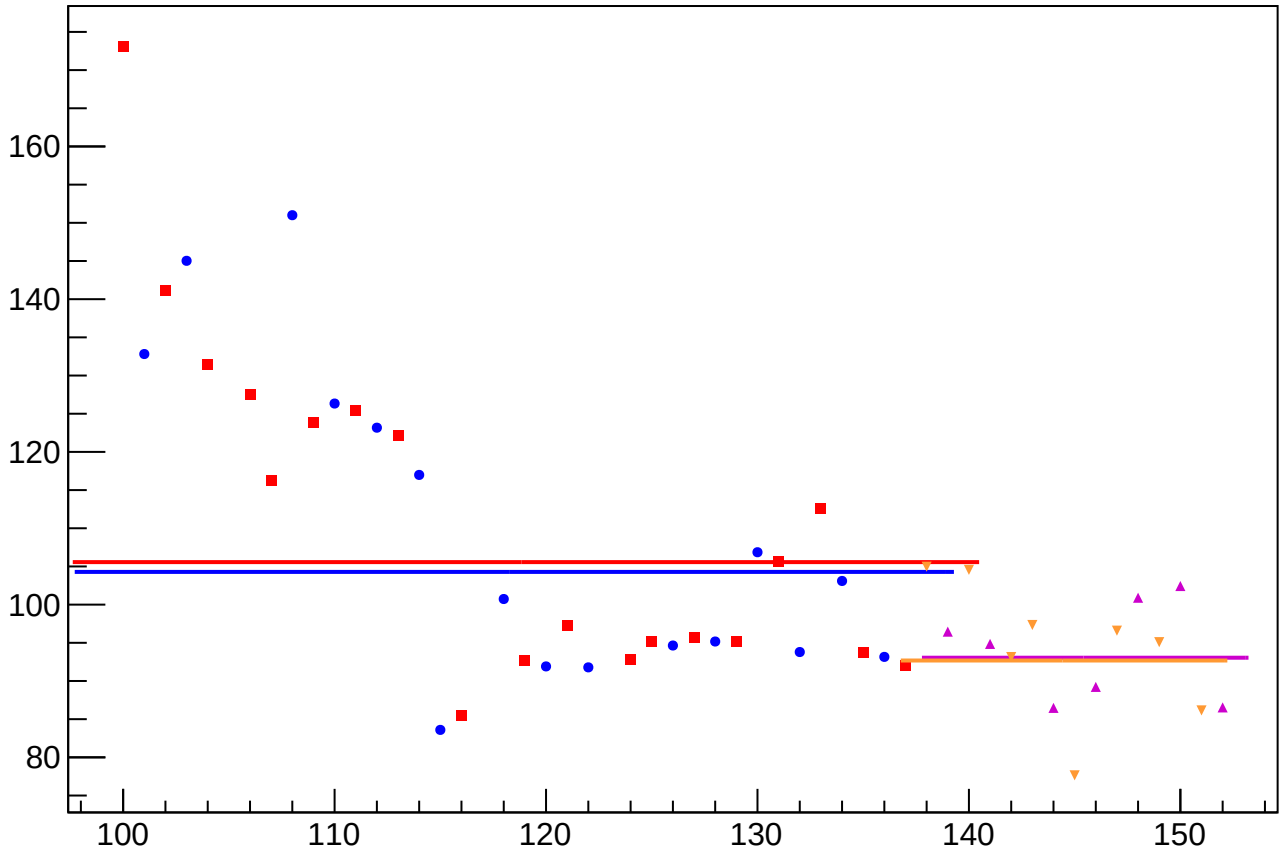
Left: 3.161+/-26.681 χ^2/NDF: 15.9/14

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 57.301+/-27.338 χ^2/NDF:23.9/22

Out: 87.000+/-27.161 χ^2/NDF:37.0/26

All: 72.248+/-19.268 χ^2/NDF: 61.5/49



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: 93.047+/-0.027 χ^2/NDF:51026.4/6

Left: 92.863+/-0.019 χ^2/NDF: 171499.8/14

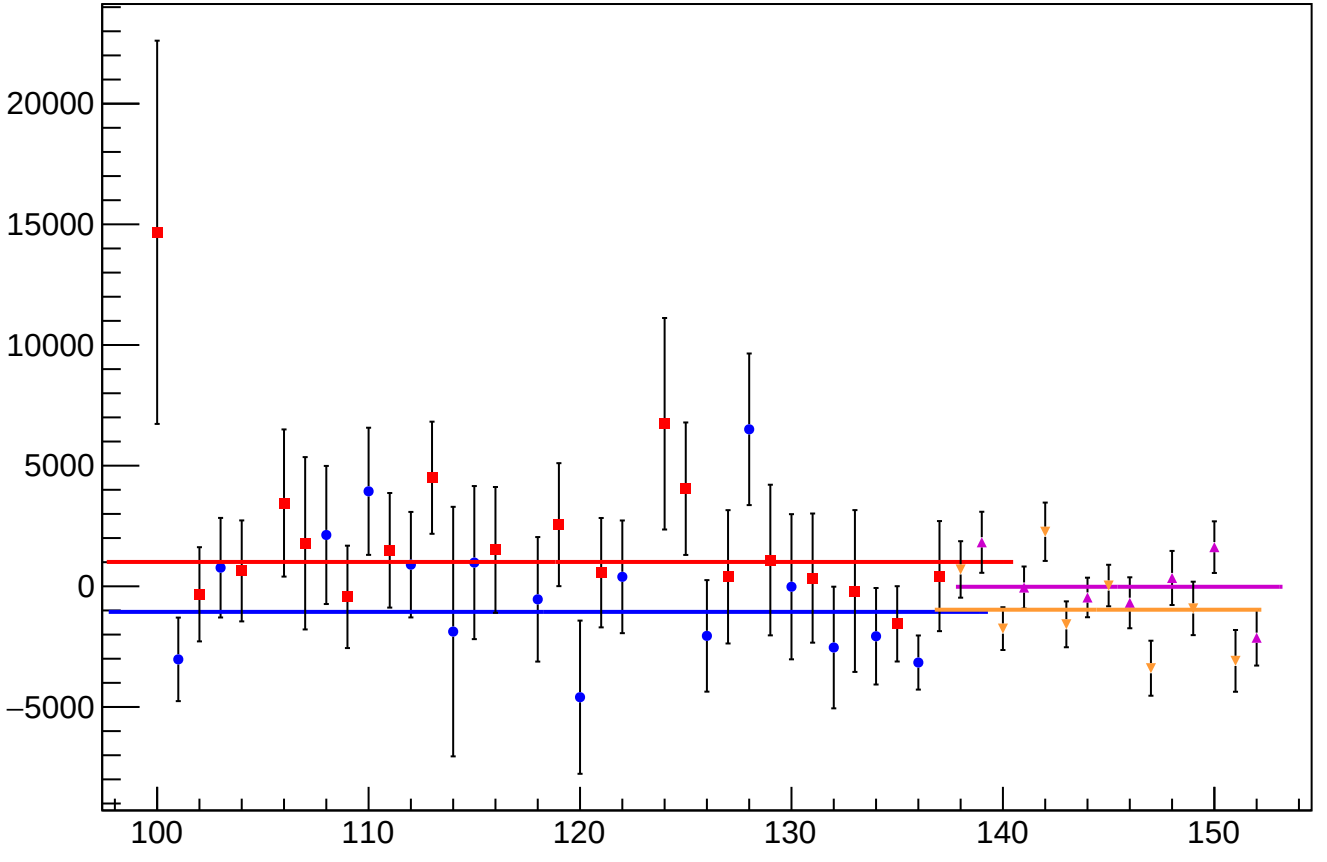
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 98.445+/-0.019 χ^2/NDF:513694.8/22

Out: 98.824+/-0.019 χ^2/NDF:577271.8/26

All: 98.636+/-0.014 χ^2/NDF: 1091159.8/49

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -969.636+/-369.065 χ^2/NDF:19.0/7

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -19.023+/-384.943 χ^2/NDF:8.6/6

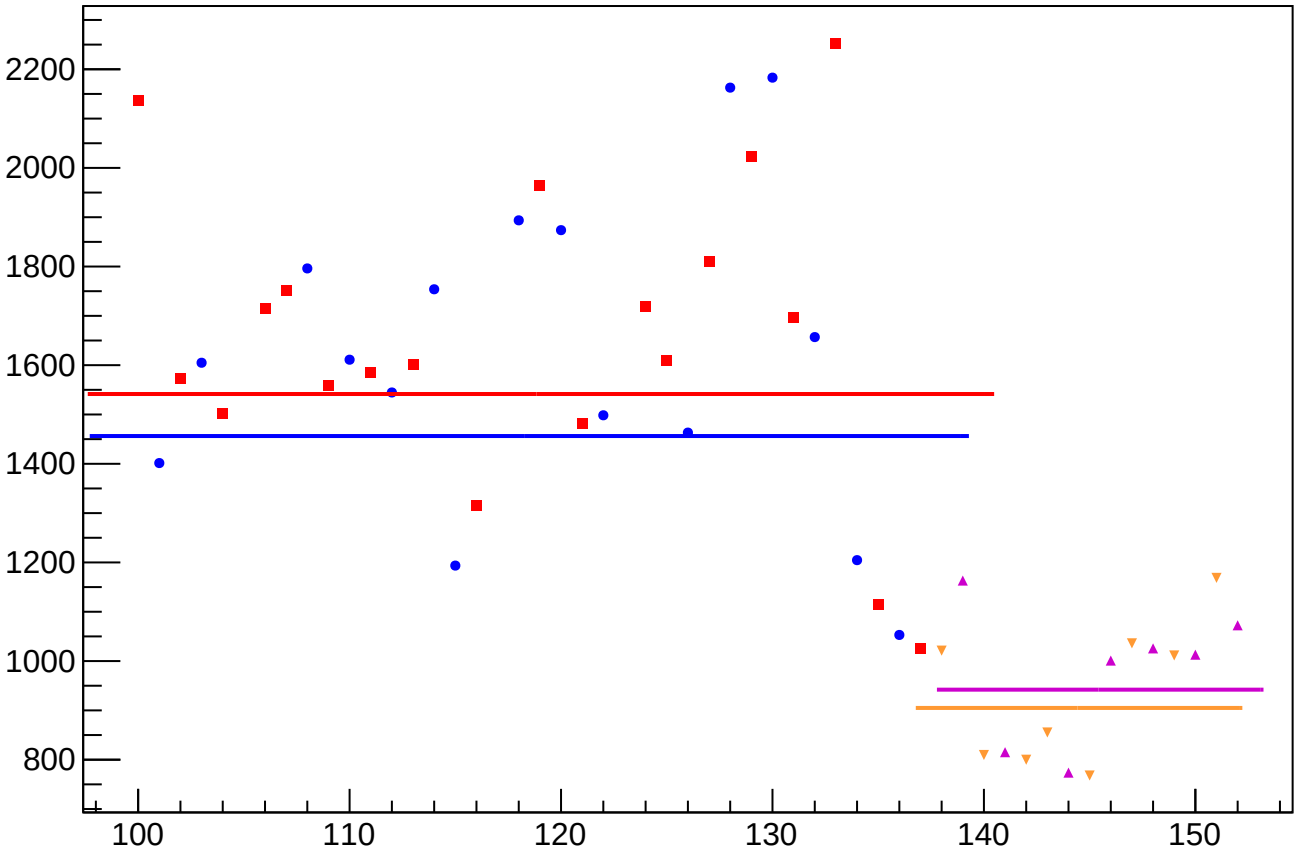
Left: -514.338+/-266.405 χ^2/NDF: 30.8/14

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -354.769+/-316.794 χ^2/NDF:31.0/22

Out: -392.202+/-310.607 χ^2/NDF:40.7/26

All: -373.855+/-221.787 χ^2/NDF: 71.7/49



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: 942.017+/-0.272 χ^2/NDF:239560.1/6

Left: 922.708+/-0.188 χ^2/NDF: 493212.2/14

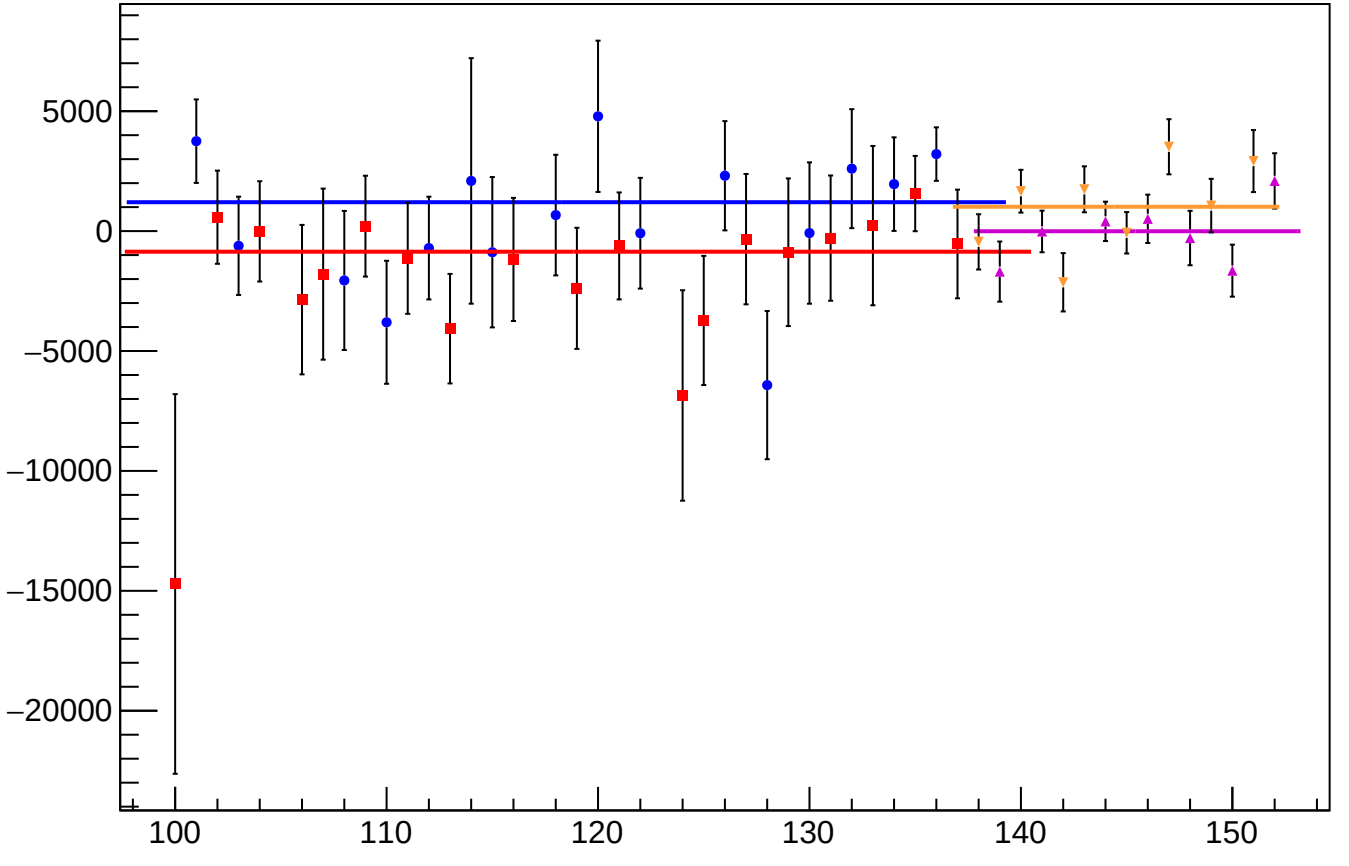
Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1107.992+/-0.224 χ^2/NDF:2076446.2/22

Out: 1090.645+/-0.220 χ^2/NDF:2498893.3/26

All: 1099.147+/-0.157 χ^2/NDF: 4578397.1/49

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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: -6.071+/-383.203 χ^2/NDF:8.0/6

Left: 520.868+/-266.472 χ^2/NDF: 29.6/14

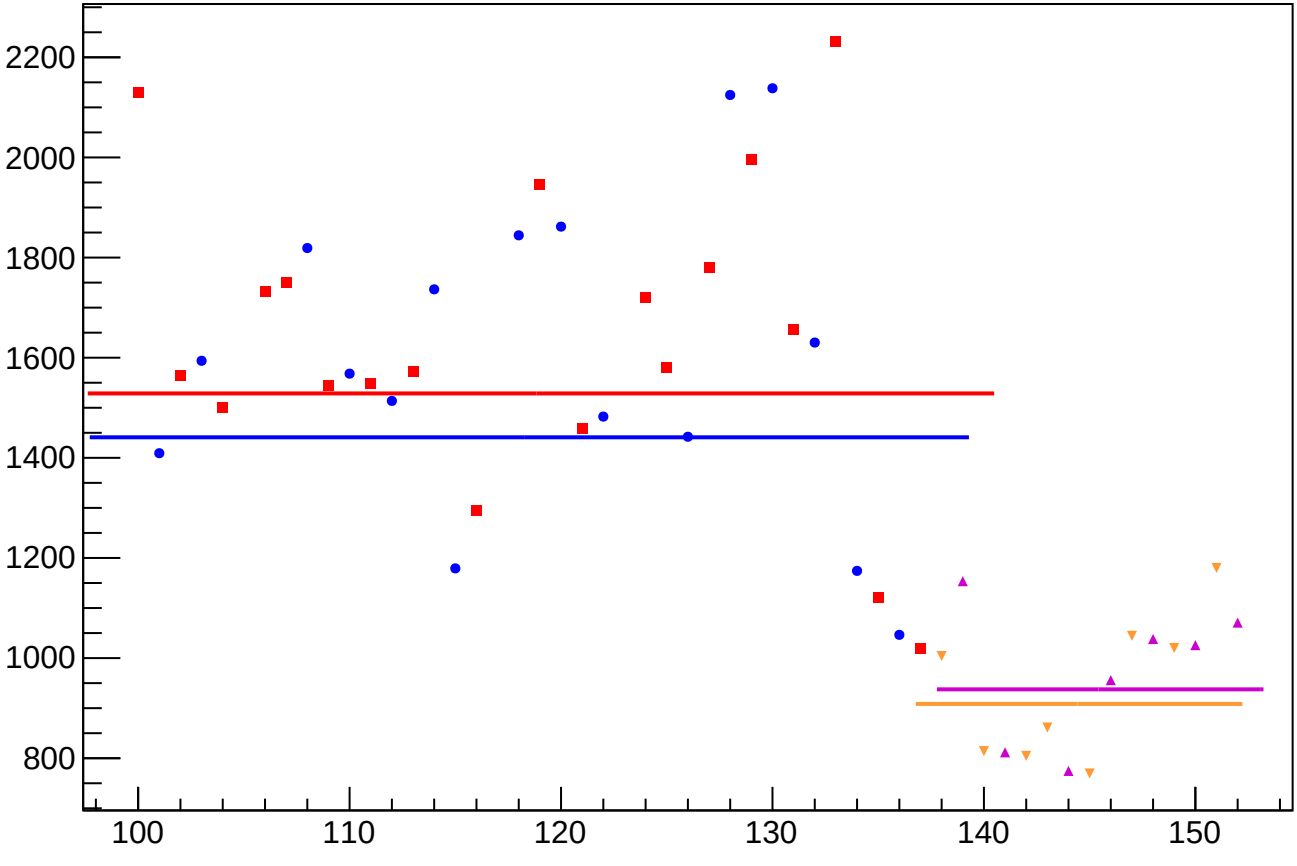
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 387.932+/-314.736 χ^2/NDF:32.4/22

Out: 457.688+/-310.884 χ^2/NDF:38.0/26

All: 423.240+/-221.177 χ^2/NDF: 70.4/49

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: 937.577+/-0.271 χ^2/NDF:236478.9/6

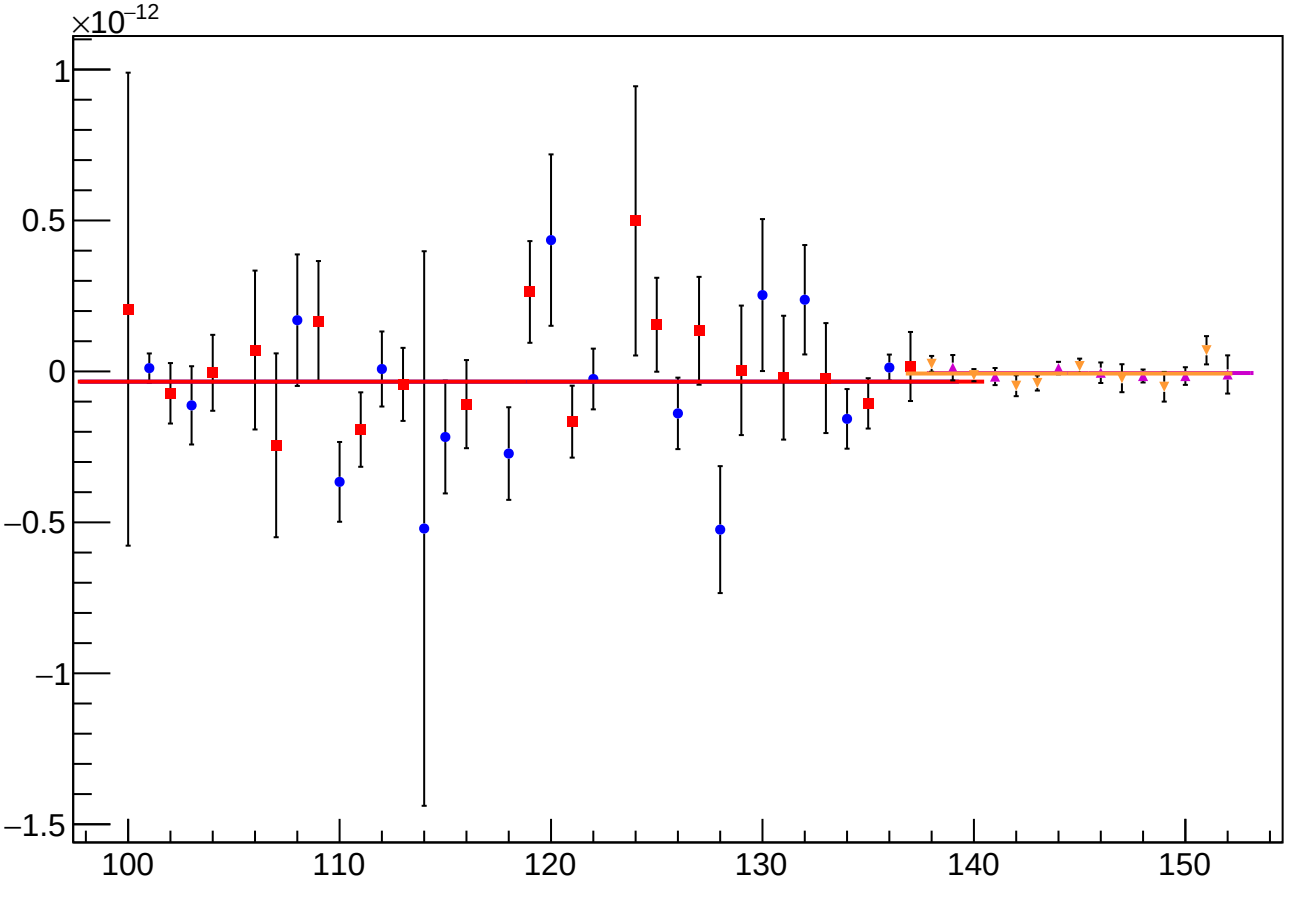
Left: 922.554+/-0.188 χ^2/NDF: 486016.3/14

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1101.408+/-0.223 χ^2/NDF:2030521.4/22

Out: 1092.717+/-0.220 χ^2/NDF:2407232.1/26

All: 1097.009+/-0.156 χ^2/NDF: 4438525.4/49



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:1.3/6

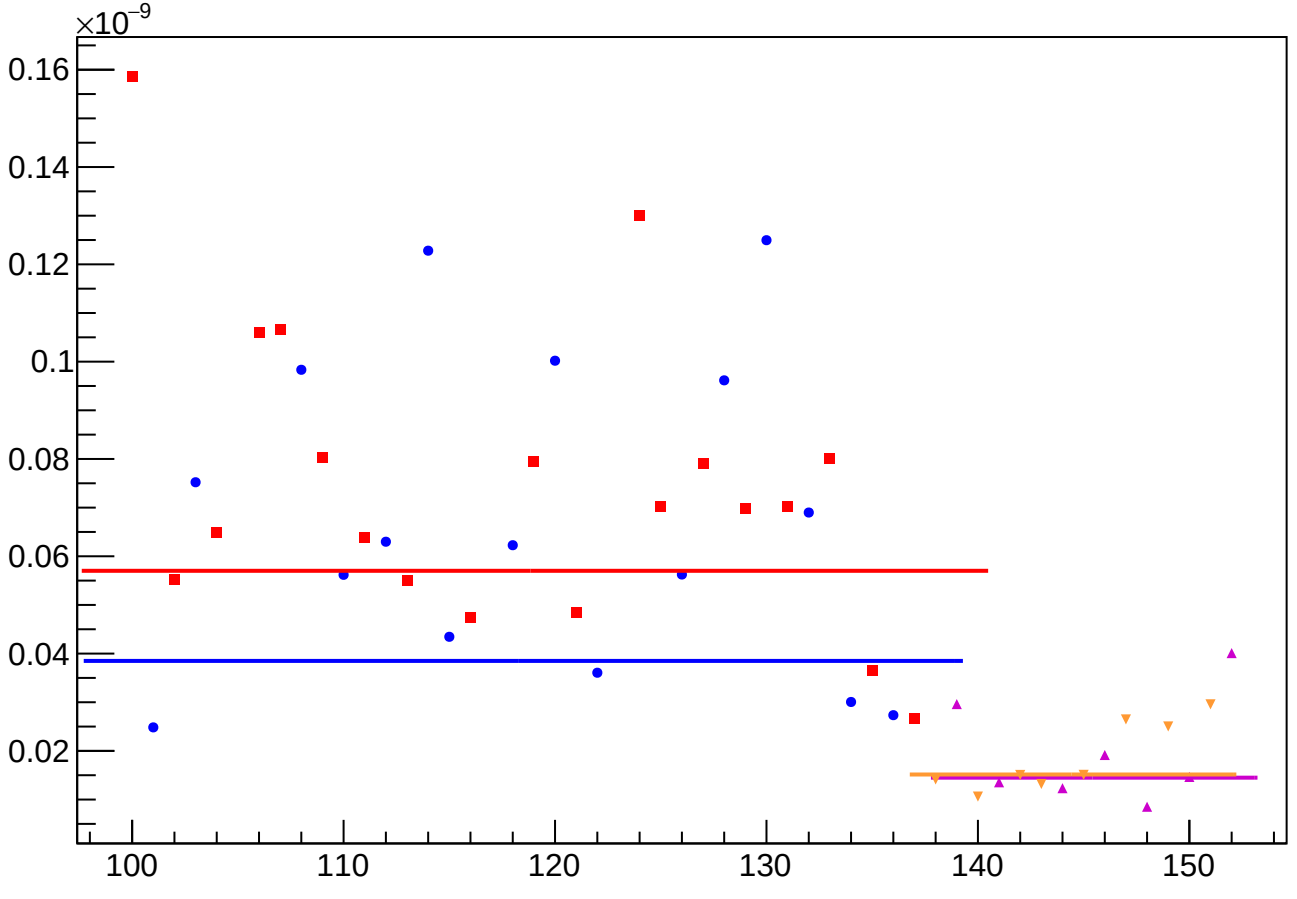
Left: -0.000+/-0.000 χ^2/NDF: 10.4/14

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:29.8/22

Out: -0.000+/-0.000 χ^2/NDF:22.7/26

All: -0.000+/-0.000 χ^2/NDF: 52.5/49



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:802706.4/6

Left: 0.000+/-0.000 χ^2/NDF: 1312997.7/14

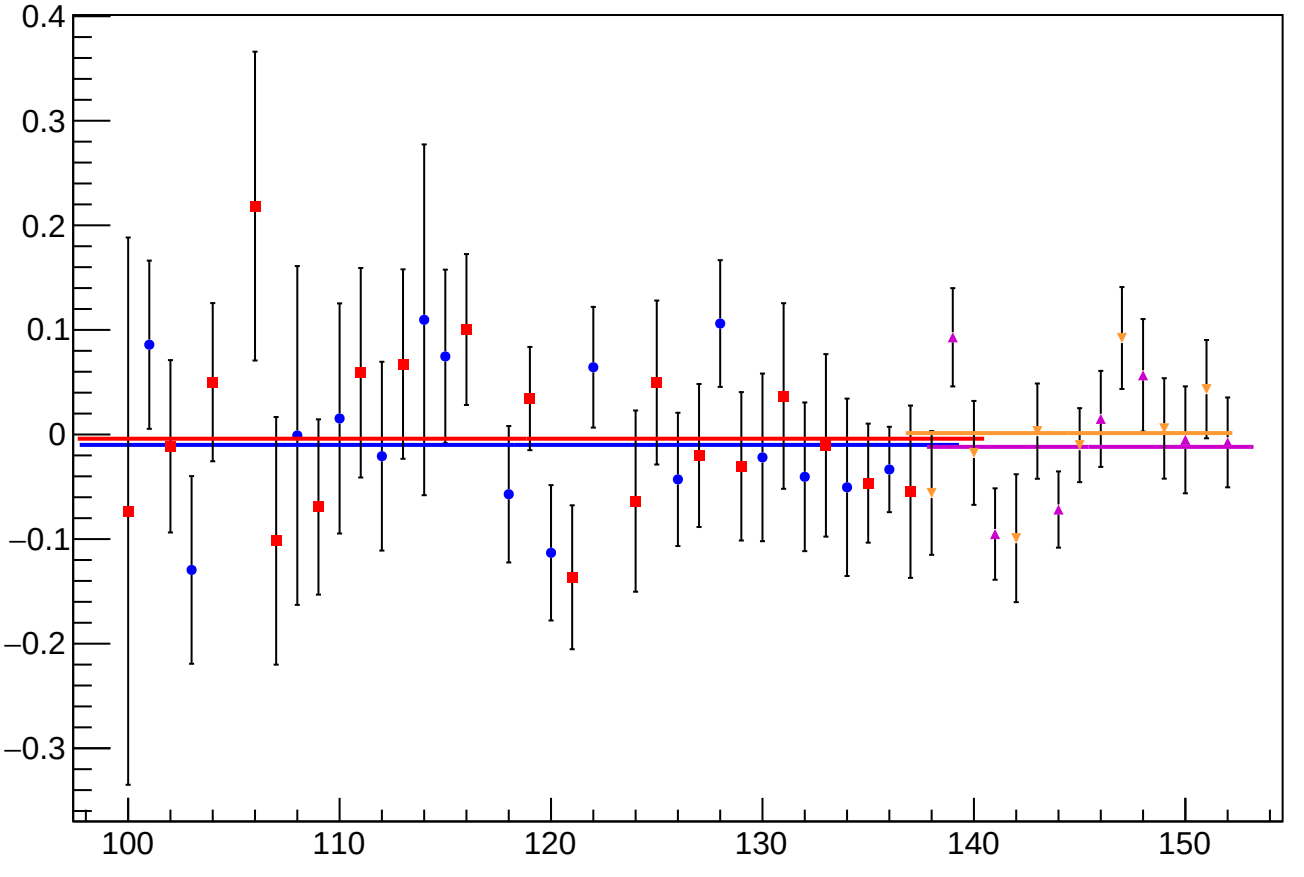
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:3733343.4/22

Out: 0.000+/-0.000 χ^2/NDF:3973037.1/26

All: 0.000+/-0.000 χ^2/NDF: 7708840.5/49

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.001+/-0.017 χ^2/NDF:8.2/7

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.017 χ^2/NDF:13.3/6

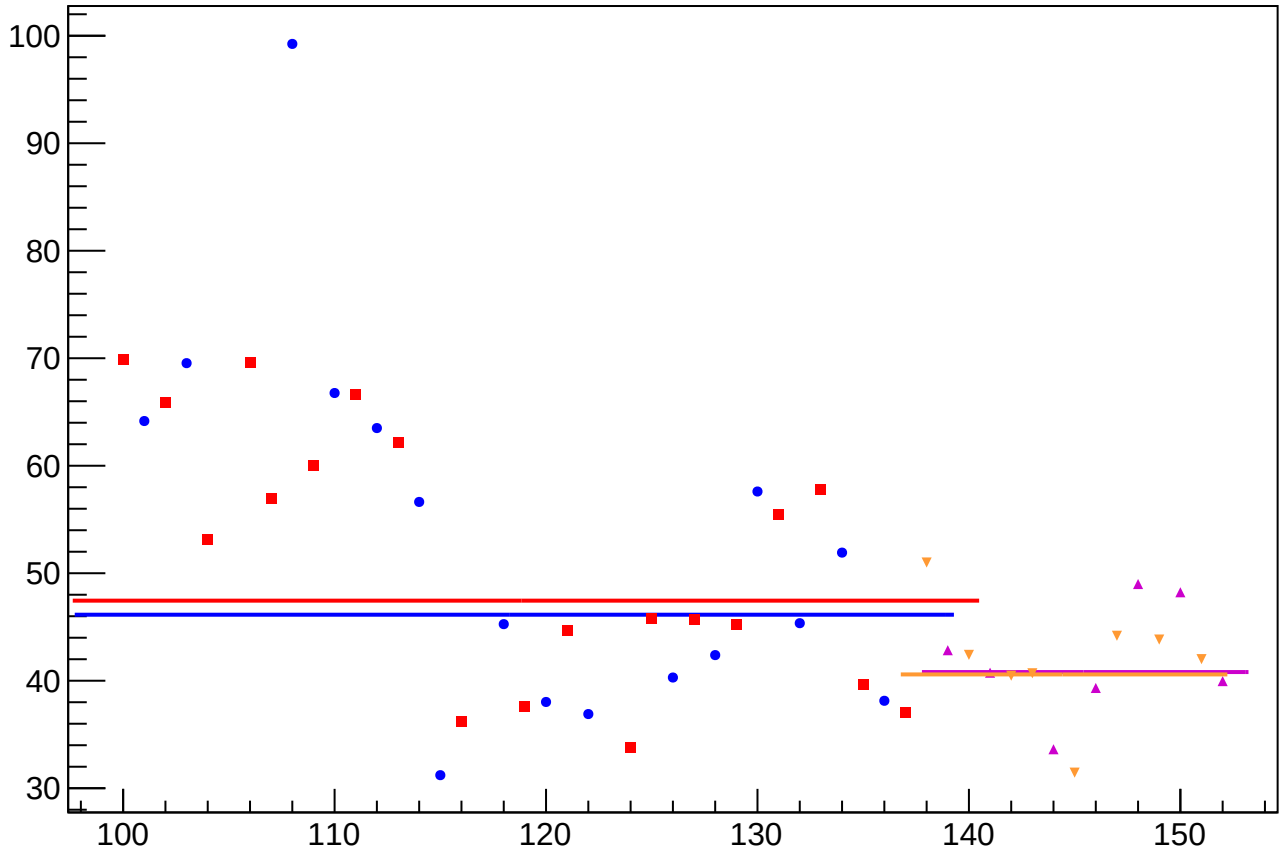
Left: -0.005+/-0.012 χ^2/NDF: 21.8/14

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/22

Out: -0.001+/-0.012 χ^2/NDF:22.1/26

All: -0.006+/-0.009 χ^2/NDF: 49.9/49



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: 40.807+/-0.012 χ^2/NDF:172821.7/6

Left: 40.696+/-0.008 χ^2/NDF: 392933.7/14

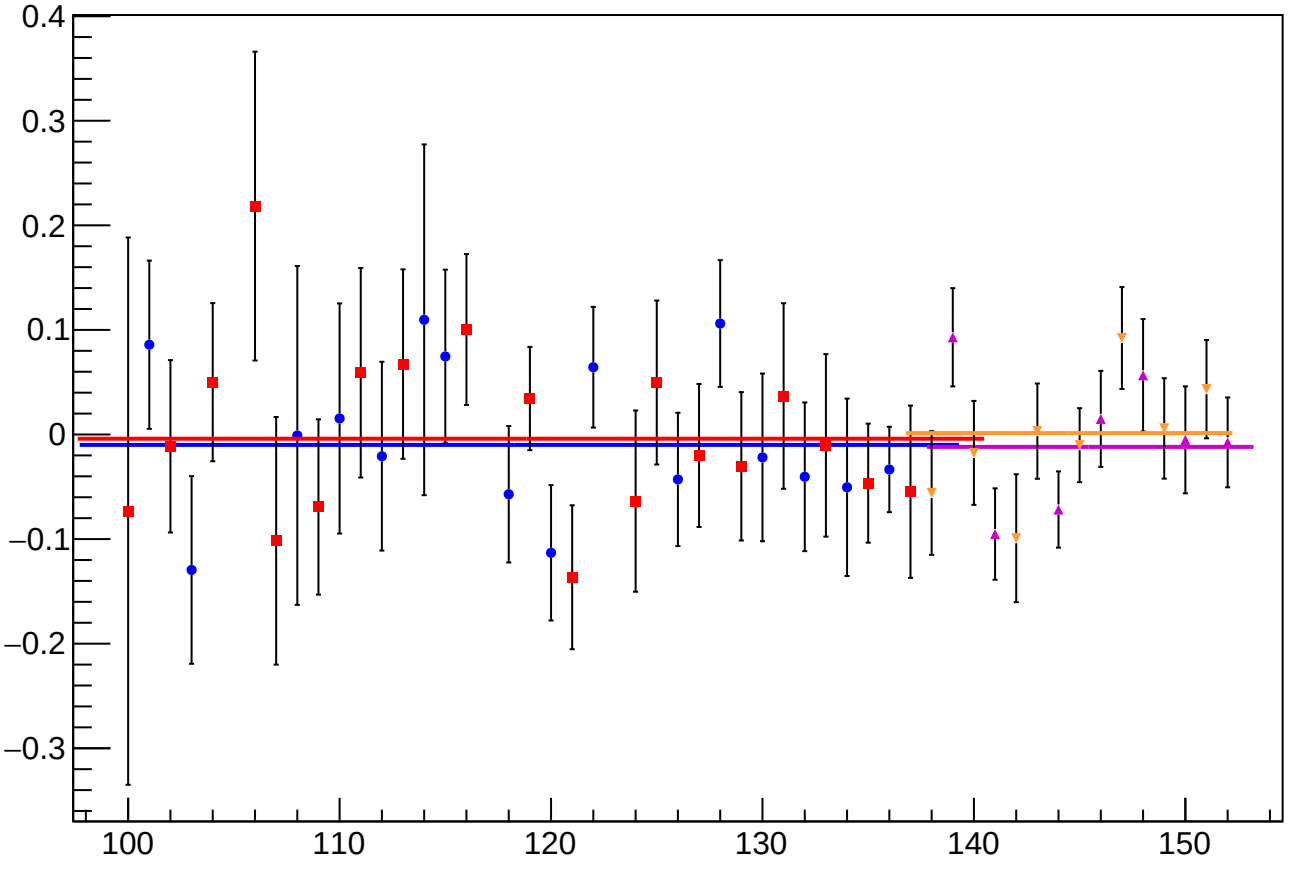
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.318+/-0.009 χ^2/NDF:1169160.0/22

Out: 43.762+/-0.009 χ^2/NDF:1029252.3/26

All: 43.541+/-0.006 χ^2/NDF: 2199713.4/49

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: -0.012+/-0.017 χ^2/NDF:13.3/6

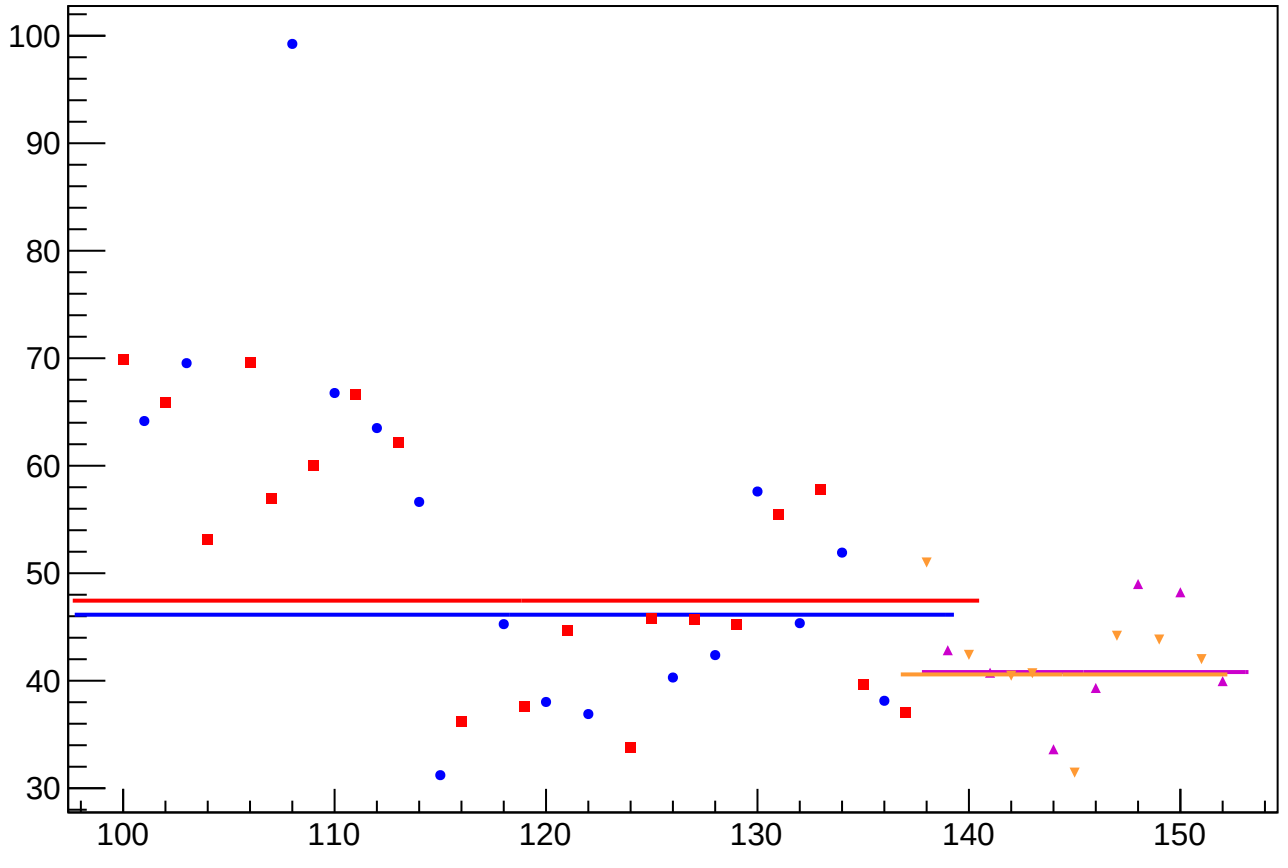
Left: -0.005+/-0.012 χ^2/NDF: 21.8/14

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/22

Out: -0.001+/-0.012 χ^2/NDF:22.1/26

All: -0.006+/-0.009 χ^2/NDF: 49.9/49



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: 40.807+/-0.012 χ^2/NDF:172821.7/6

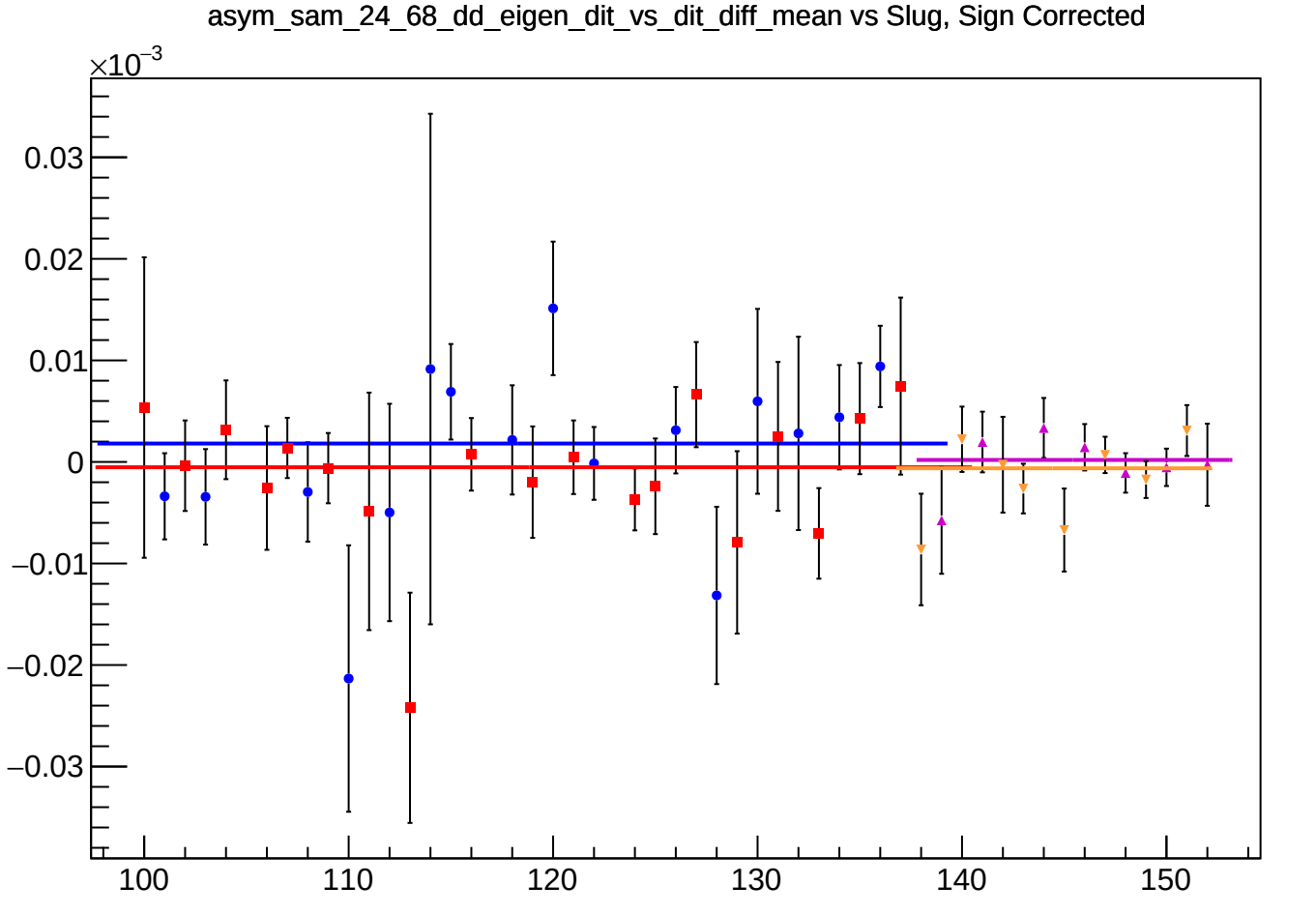
Left: 40.696+/-0.008 χ^2/NDF: 392933.7/14

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.318+/-0.009 χ^2/NDF:1169160.0/22

Out: 43.762+/-0.009 χ^2/NDF:1029252.3/26

All: 43.541+/-0.006 χ^2/NDF: 2199713.4/49



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:3.7/6

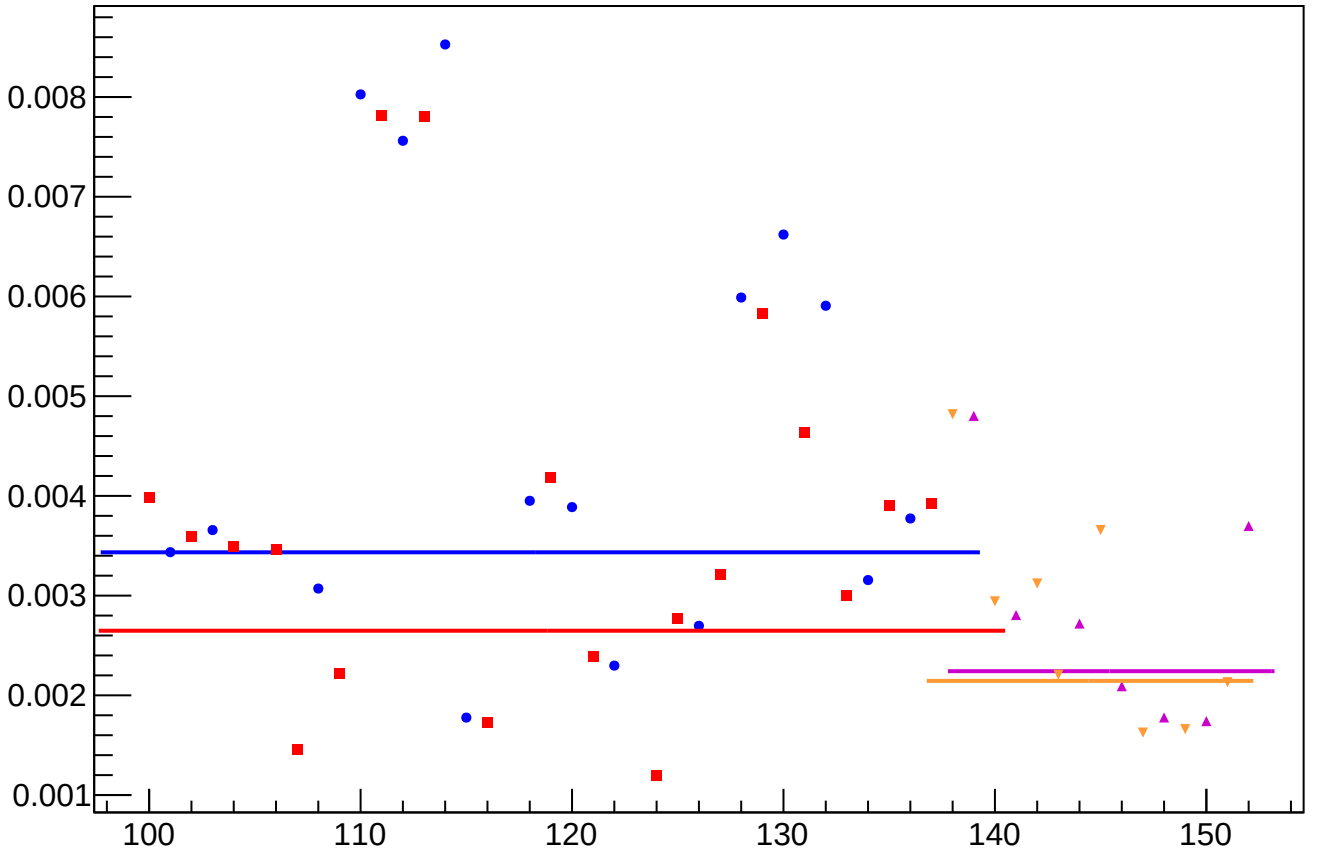
Left: -0.000+/-0.000 χ^2/NDF: 13.0/14

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:24.6/22

Out: -0.000+/-0.000 χ^2/NDF:22.7/26

All: -0.000+/-0.000 χ^2/NDF: 48.8/49



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:1127097.8/6

Left: 0.002+/-0.000 χ^2/NDF: 2405604.3/14

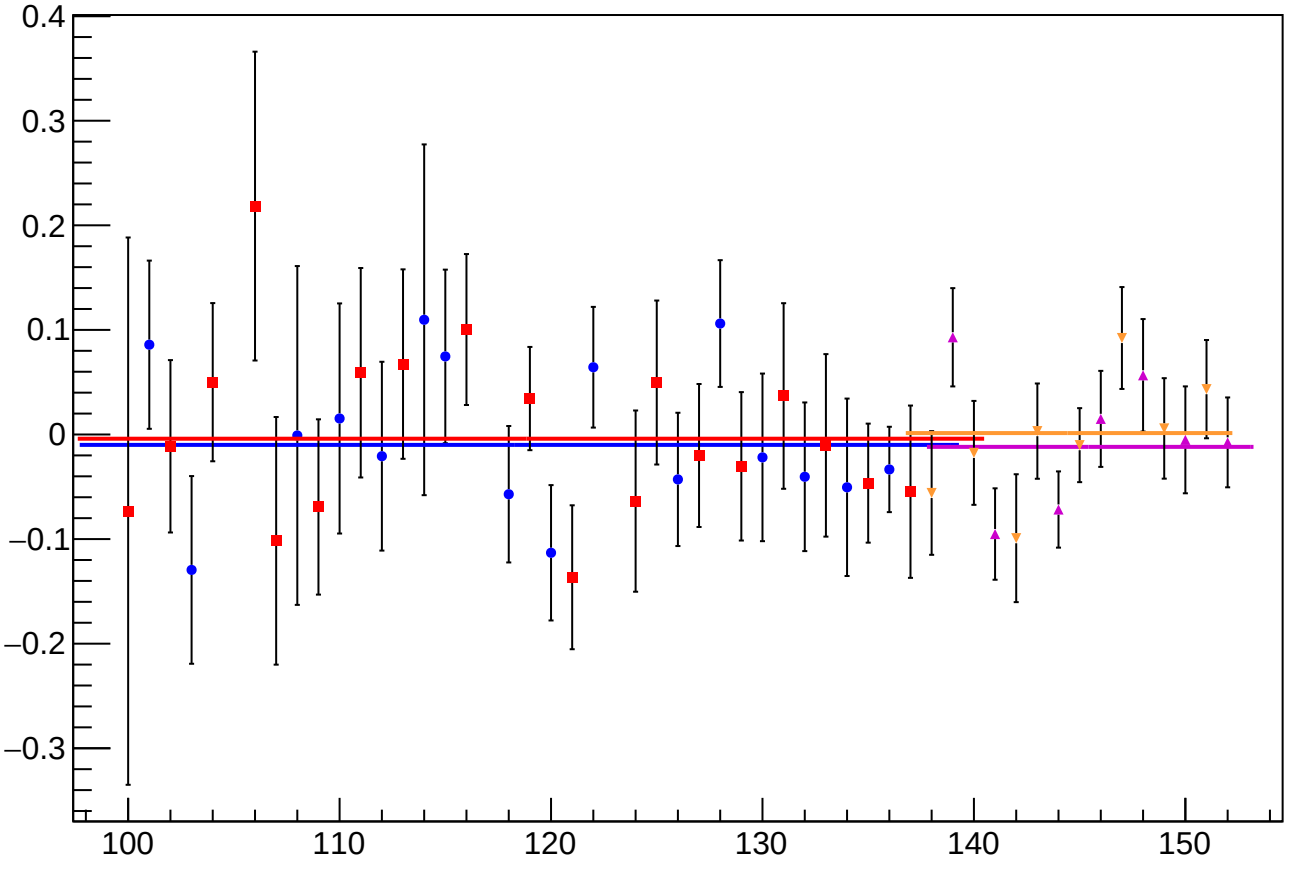
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:3885973.7/22

Out: 0.002+/-0.000 χ^2/NDF:4213064.2/26

All: 0.002+/-0.000 χ^2/NDF: 8240738.6/49

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: -0.012+/-0.017 χ^2/NDF:13.3/6

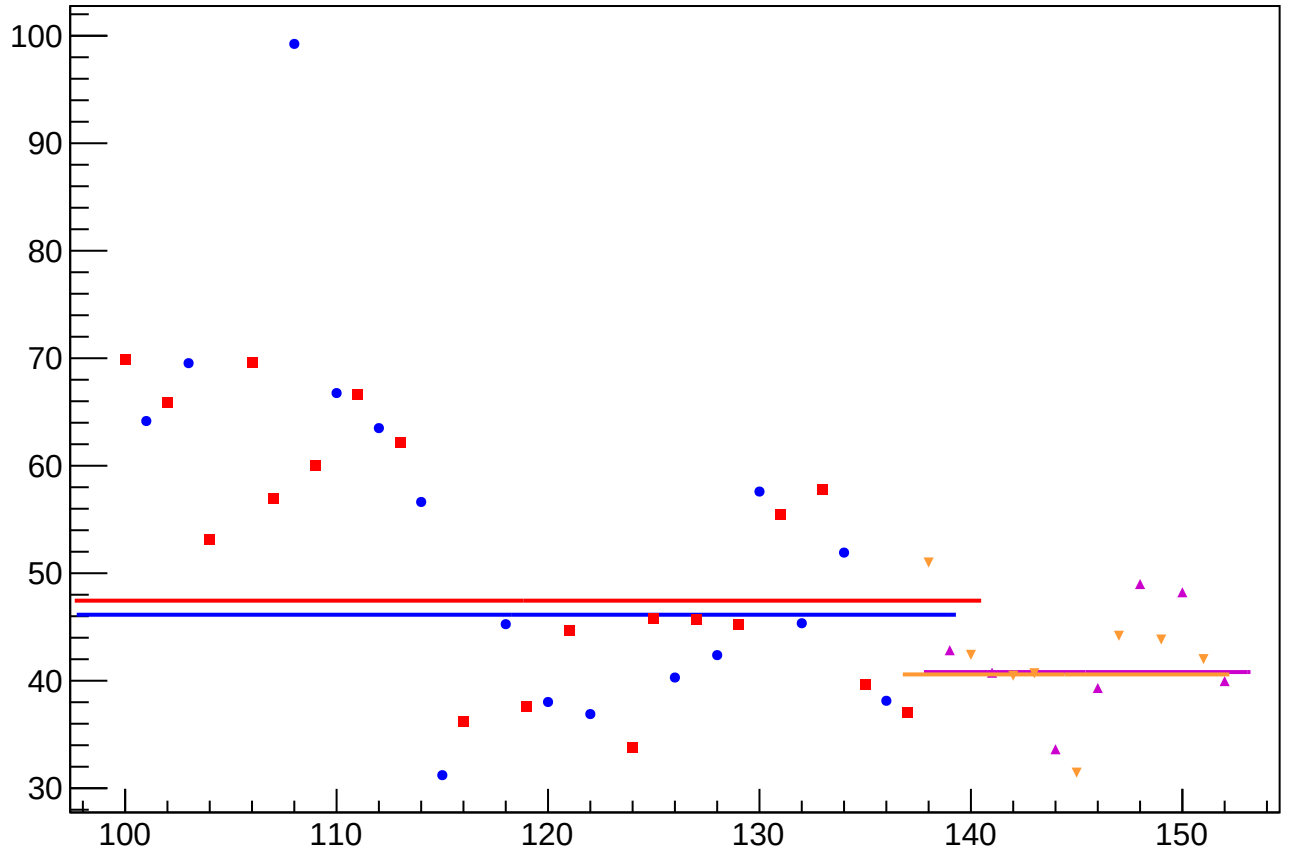
Left: -0.005+/-0.012 χ^2/NDF: 21.8/14

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/22

Out: -0.001+/-0.012 χ^2/NDF:22.1/26

All: -0.006+/-0.009 χ^2/NDF: 49.9/49



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: 40.807+/-0.012 χ^2/NDF:172824.8/6

Left: 40.696+/-0.008 χ^2/NDF: 392935.9/14

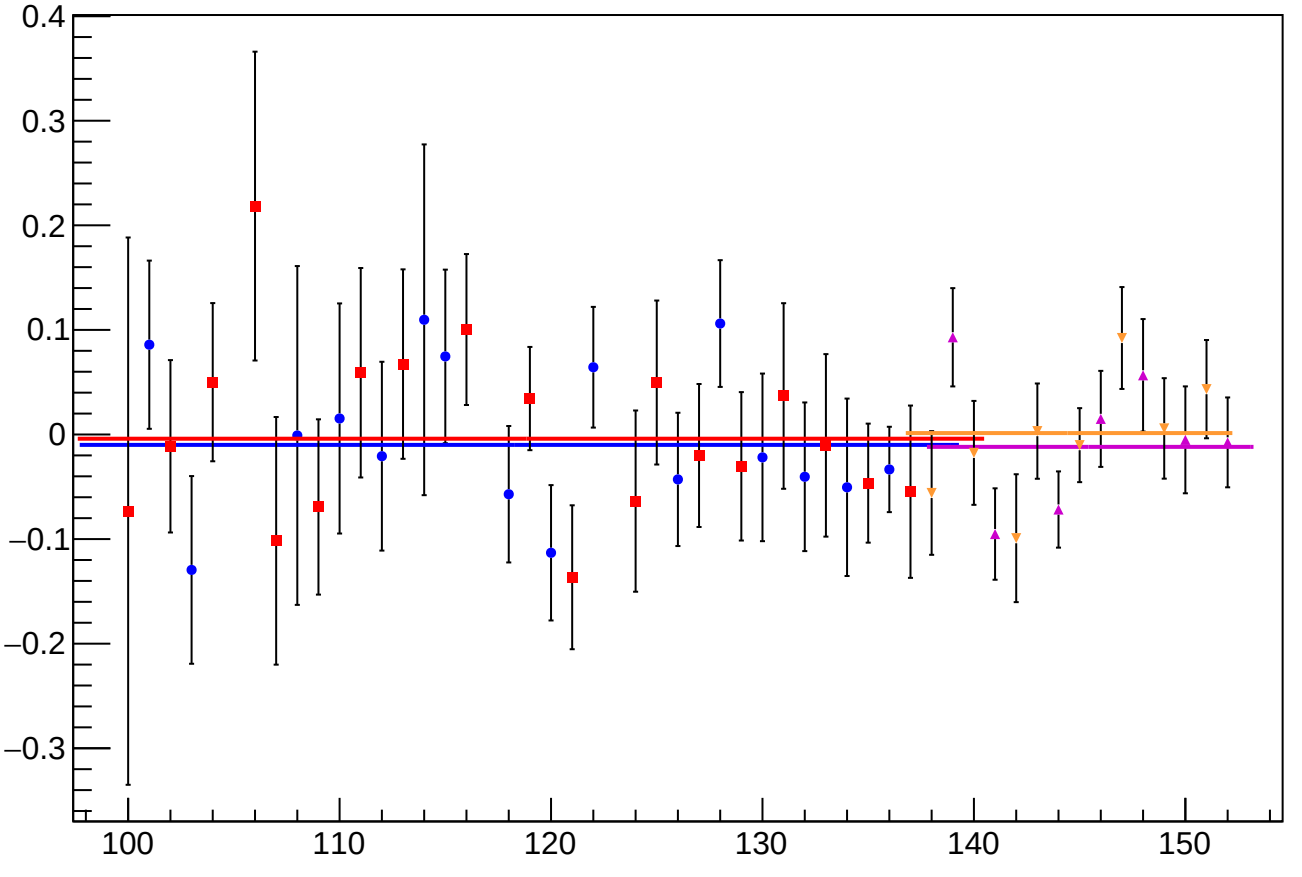
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.317+/-0.009 χ^2/NDF:1169083.6/22

Out: 43.762+/-0.009 χ^2/NDF:1029188.3/26

All: 43.540+/-0.006 χ^2/NDF: 2199574.7/49

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: -0.012+/-0.017 χ^2/NDF:13.3/6

Left: -0.005+/-0.012 χ^2/NDF: 21.8/14

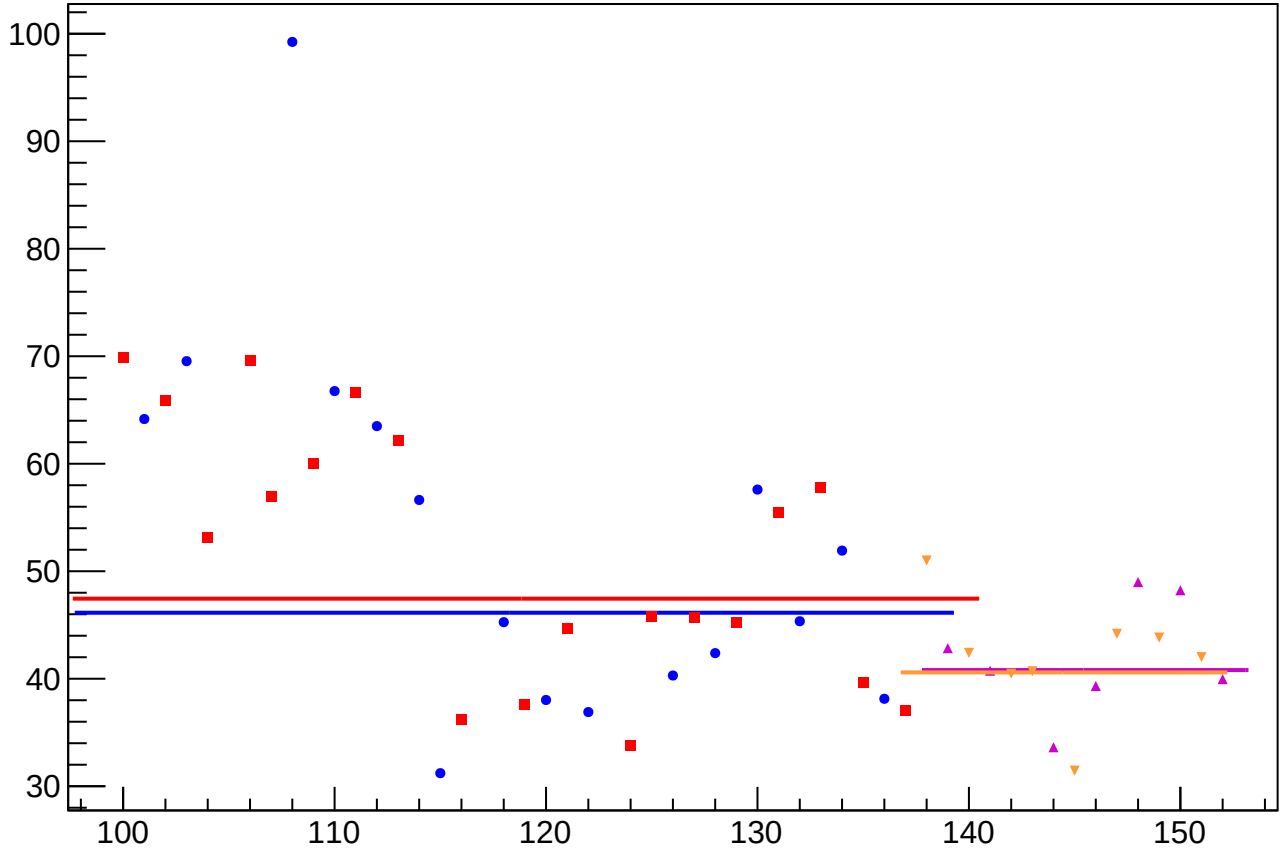
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/22

Out: -0.001+/-0.012 χ^2/NDF:22.1/26

All: -0.006+/-0.009 χ^2/NDF: 49.9/49

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: 40.807+/-0.012 χ^2/NDF:172824.8/6

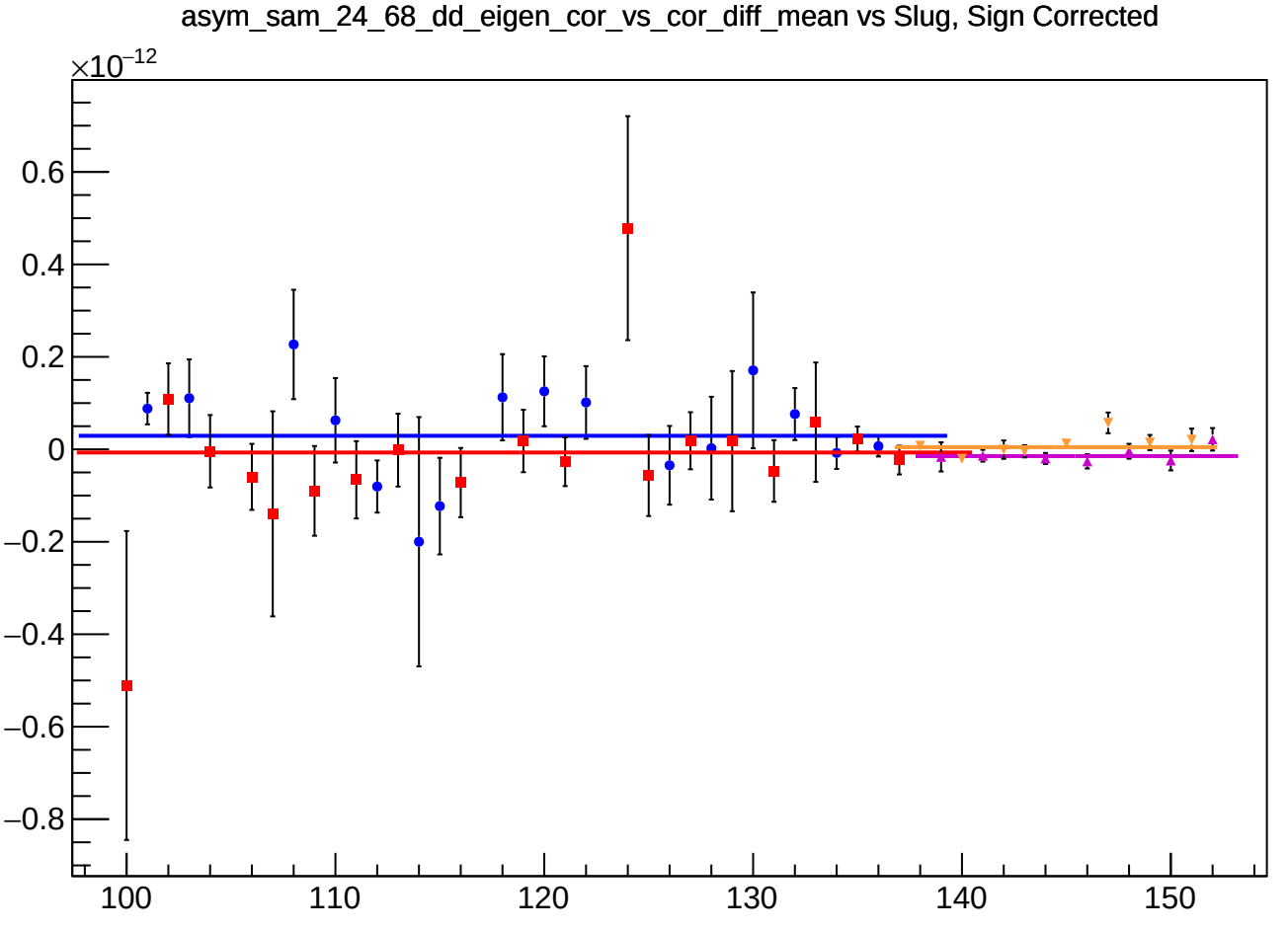
Left: 40.696+/-0.008 χ^2/NDF: 392935.9/14

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.317+/-0.009 χ^2/NDF:1169083.6/22

Out: 43.762+/-0.009 χ^2/NDF:1029188.3/26

All: 43.540+/-0.006 χ^2/NDF: 2199574.7/49



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:3.6/6

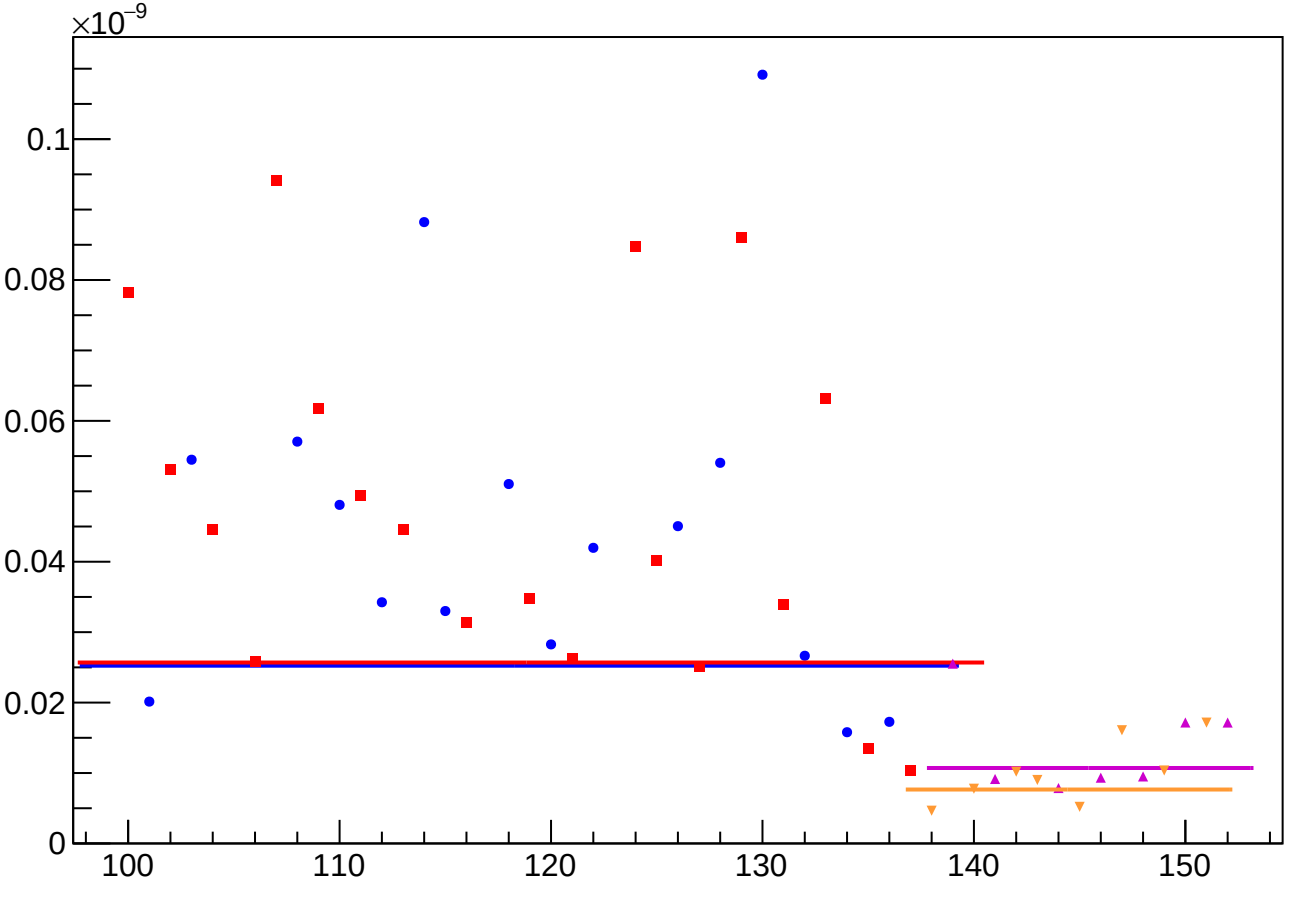
Left: -0.000+/-0.000 χ^2/NDF: 22.9/14

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:33.2/22

Out: 0.000+/-0.000 χ^2/NDF:28.0/26

All: -0.000+/-0.000 χ^2/NDF: 63.4/49



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:933407.7/6

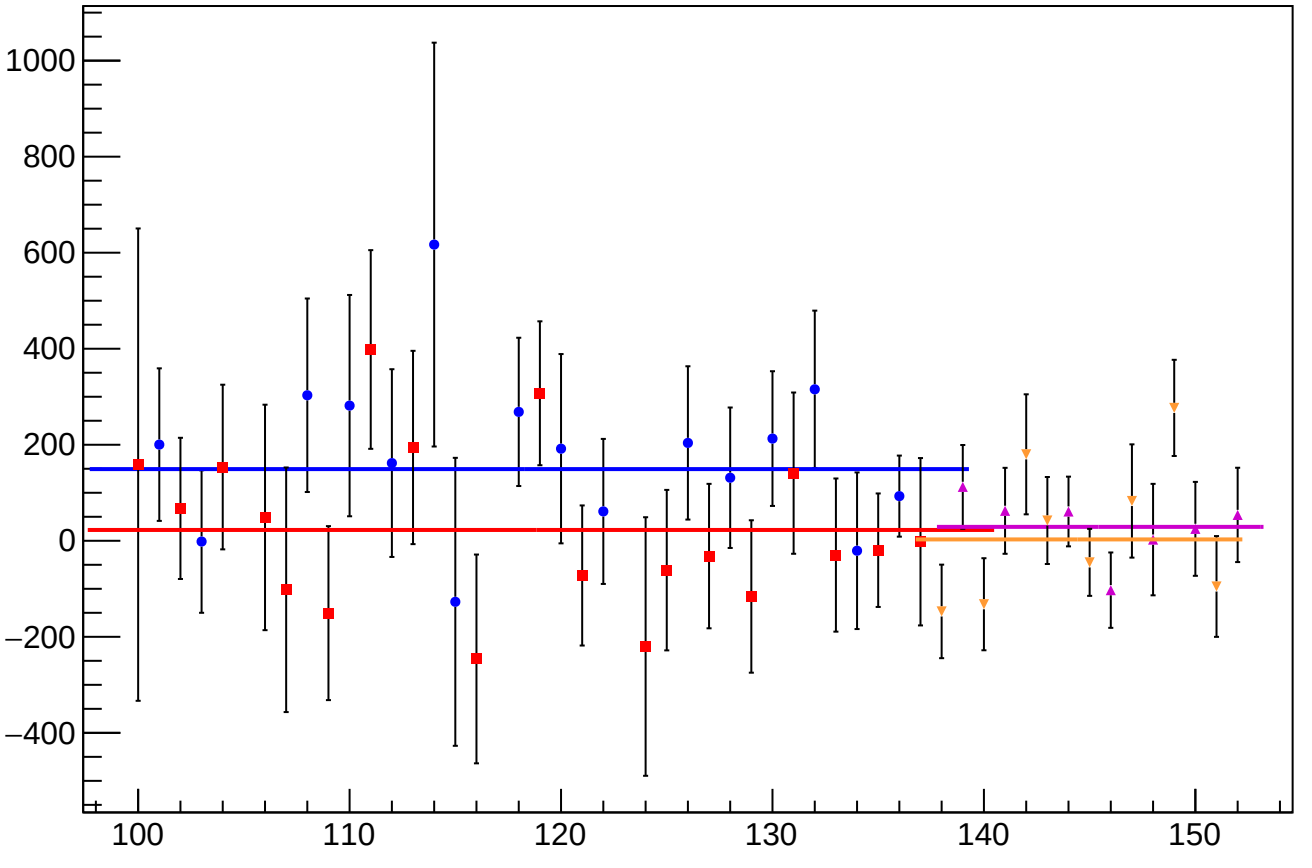
Left: 0.000+/-0.000 χ^2/NDF: 2262707.3/14

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:4960446.2/22

Out: 0.000+/-0.000 χ^2/NDF:6668371.3/26

All: 0.000+/-0.000 χ^2/NDF: 12206294.3/49



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: 28.993+/-33.503 χ^2/NDF:4.2/6

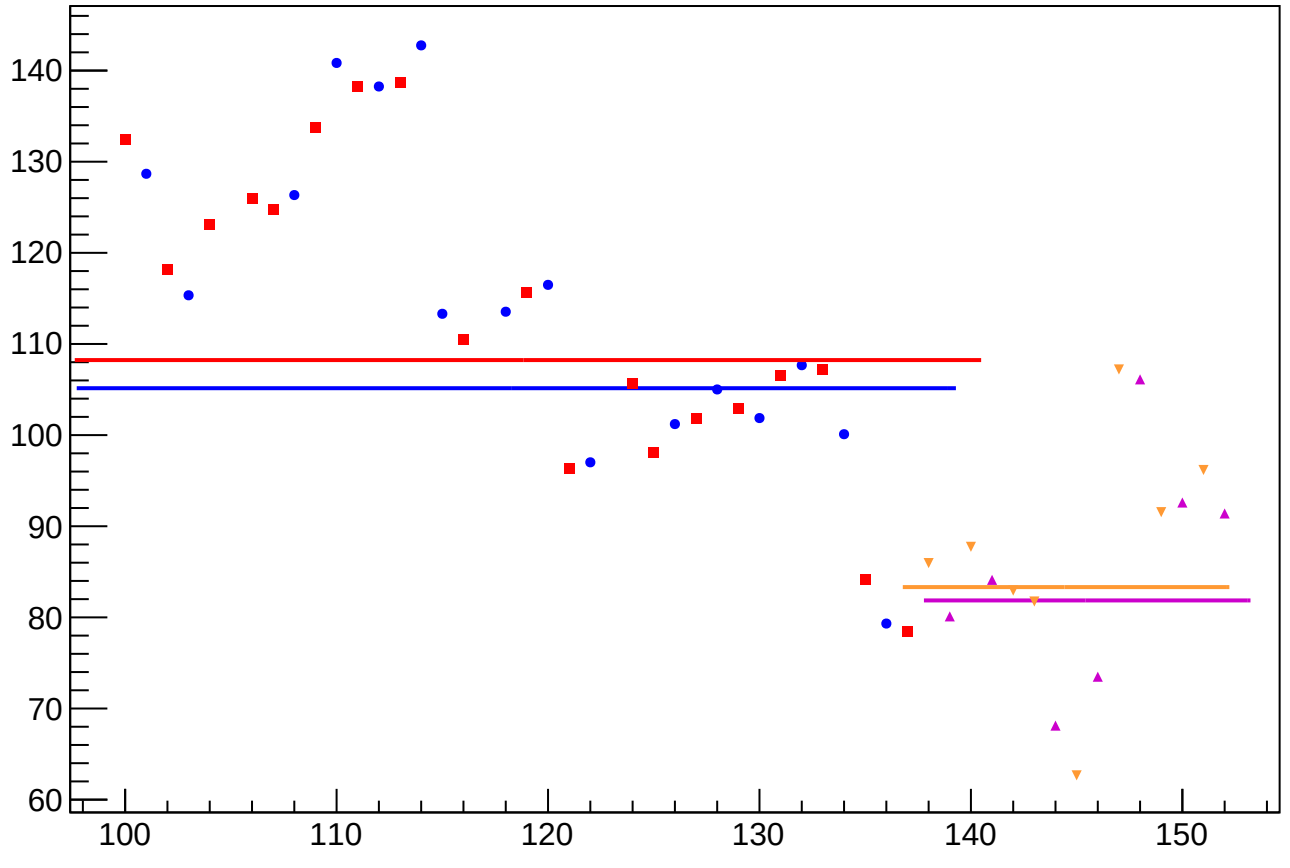
Left: 16.088+/-23.845 χ^2/NDF: 20.3/14

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 79.054+/-25.601 χ^2/NDF:17.6/22

Out: 11.068+/-25.908 χ^2/NDF:30.2/26

All: 45.467+/-18.210 χ^2/NDF: 51.2/49



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: 81.859+/-0.024 χ^2/NDF:226764.4/6

Left: 82.582+/-0.017 χ^2/NDF: 535791.4/14

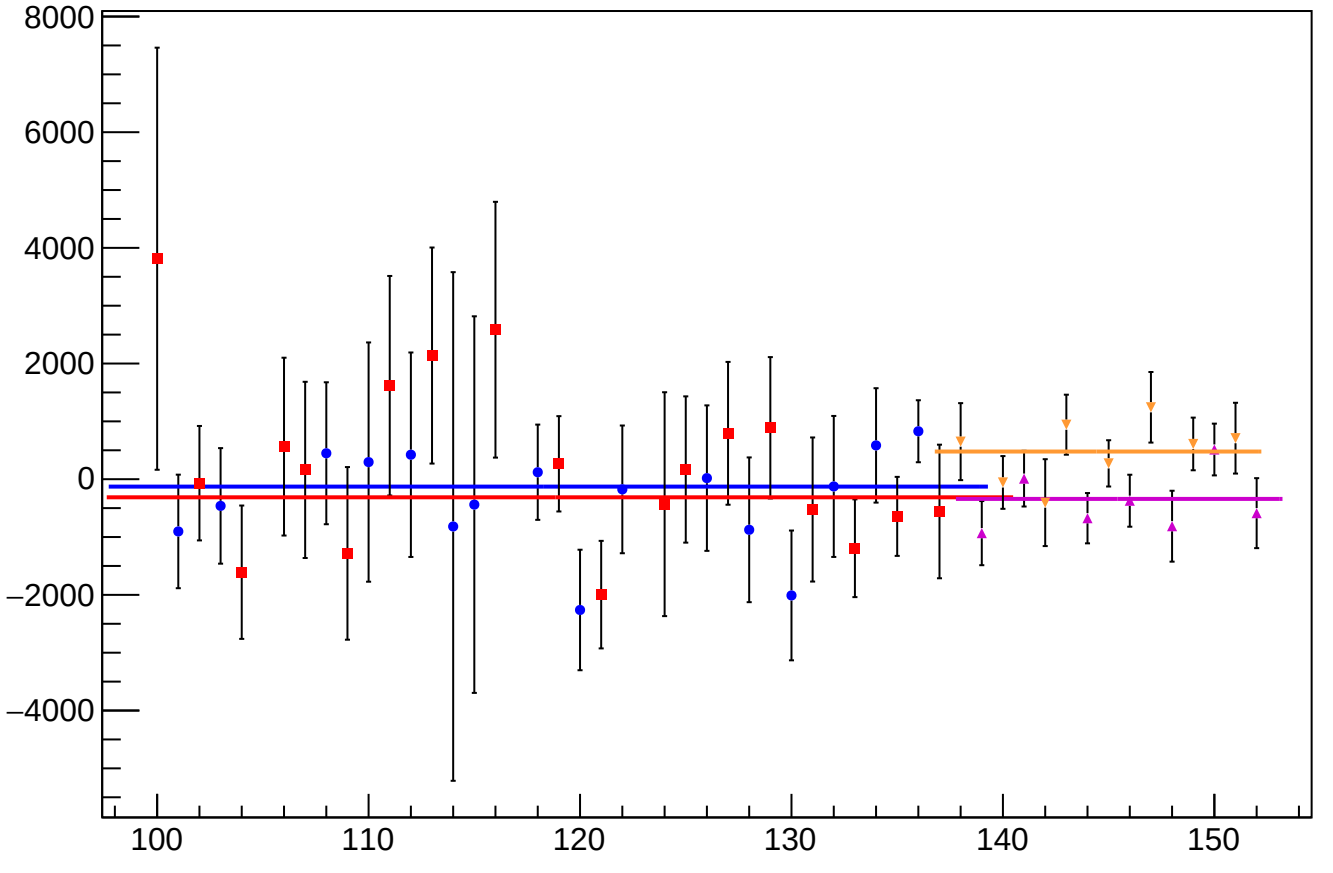
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 91.549+/-0.018 χ^2/NDF:1037234.0/22

Out: 93.721+/-0.018 χ^2/NDF:1106676.9/26

All: 92.622+/-0.013 χ^2/NDF: 2151023.0/49

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: -340.761+/-188.350 χ^2/NDF:6.7/6

Left: 74.422+/-132.264 χ^2/NDF: 21.9/14

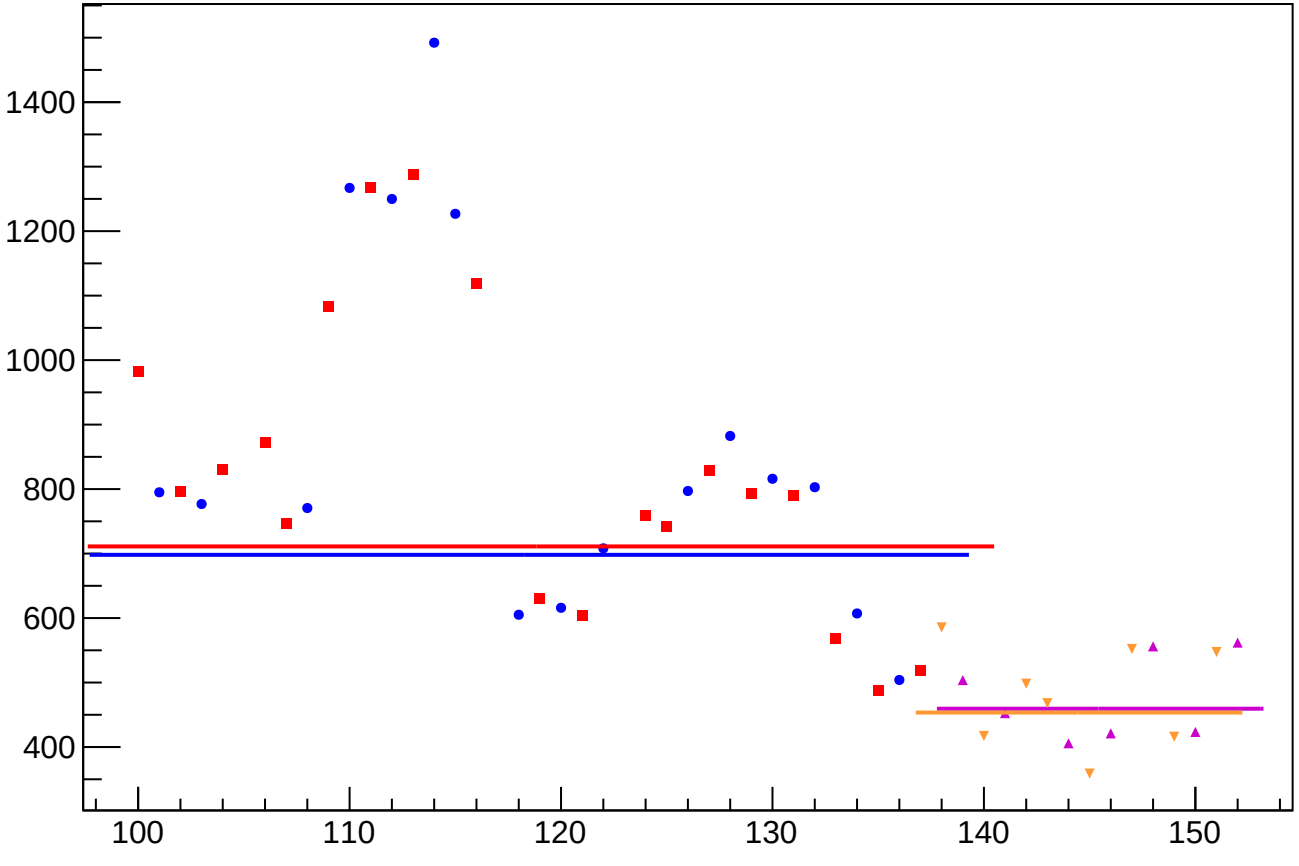
Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -270.650+/-154.216 χ^2/NDF:19.4/22

Out: 224.228+/-153.071 χ^2/NDF:26.5/26

All: -21.368+/-108.640 χ^2/NDF: 51.1/49

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 453.475+/-0.131 χ^2/NDF:324924.3/7

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 459.427+/-0.133 χ^2/NDF:178186.7/6

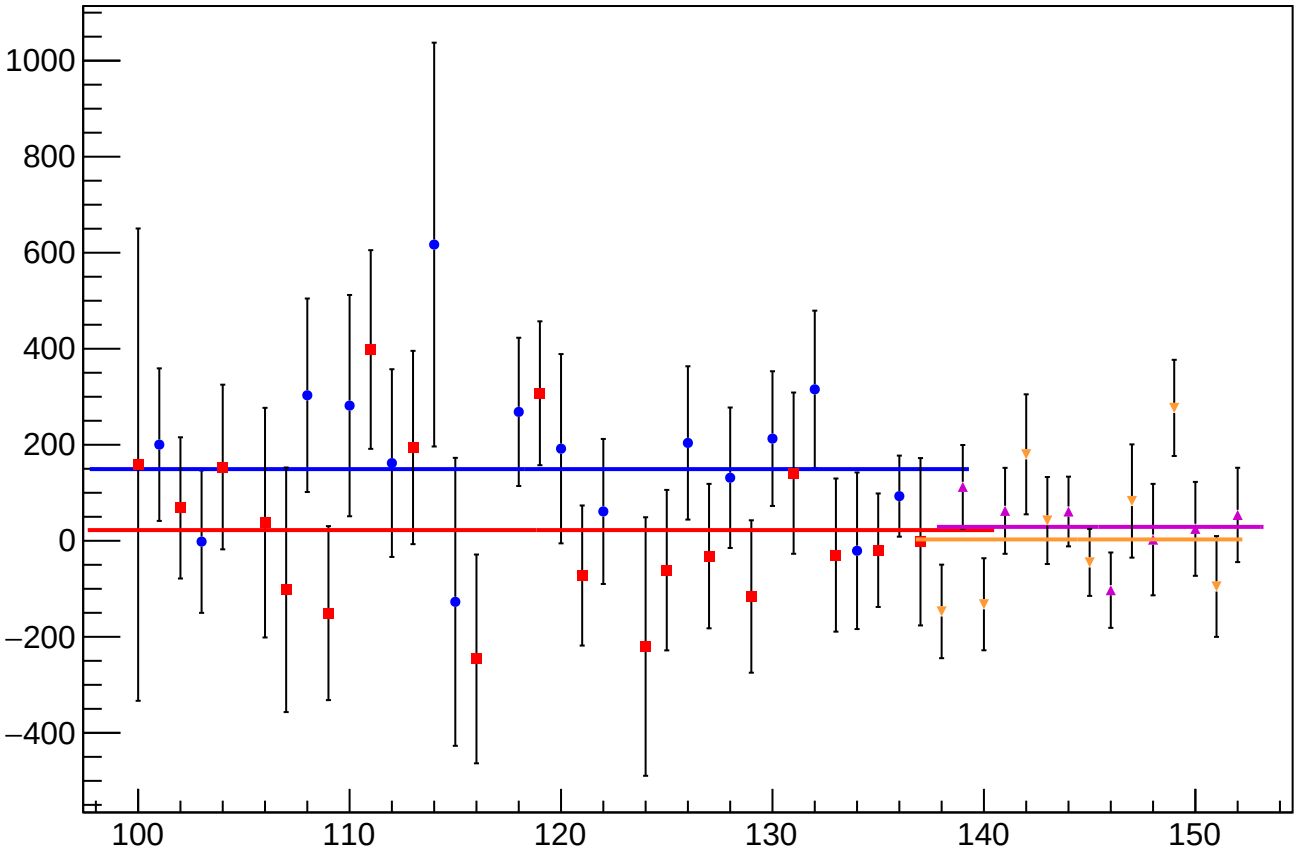
Left: 456.410+/-0.094 χ^2/NDF: 504123.4/14

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 538.083+/-0.109 χ^2/NDF:2149186.0/22

Out: 536.194+/-0.108 χ^2/NDF:2594918.8/26

All: 537.131+/-0.077 χ^2/NDF: 4744255.9/49



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: 28.991+/-33.503 χ^2/NDF:4.2/6

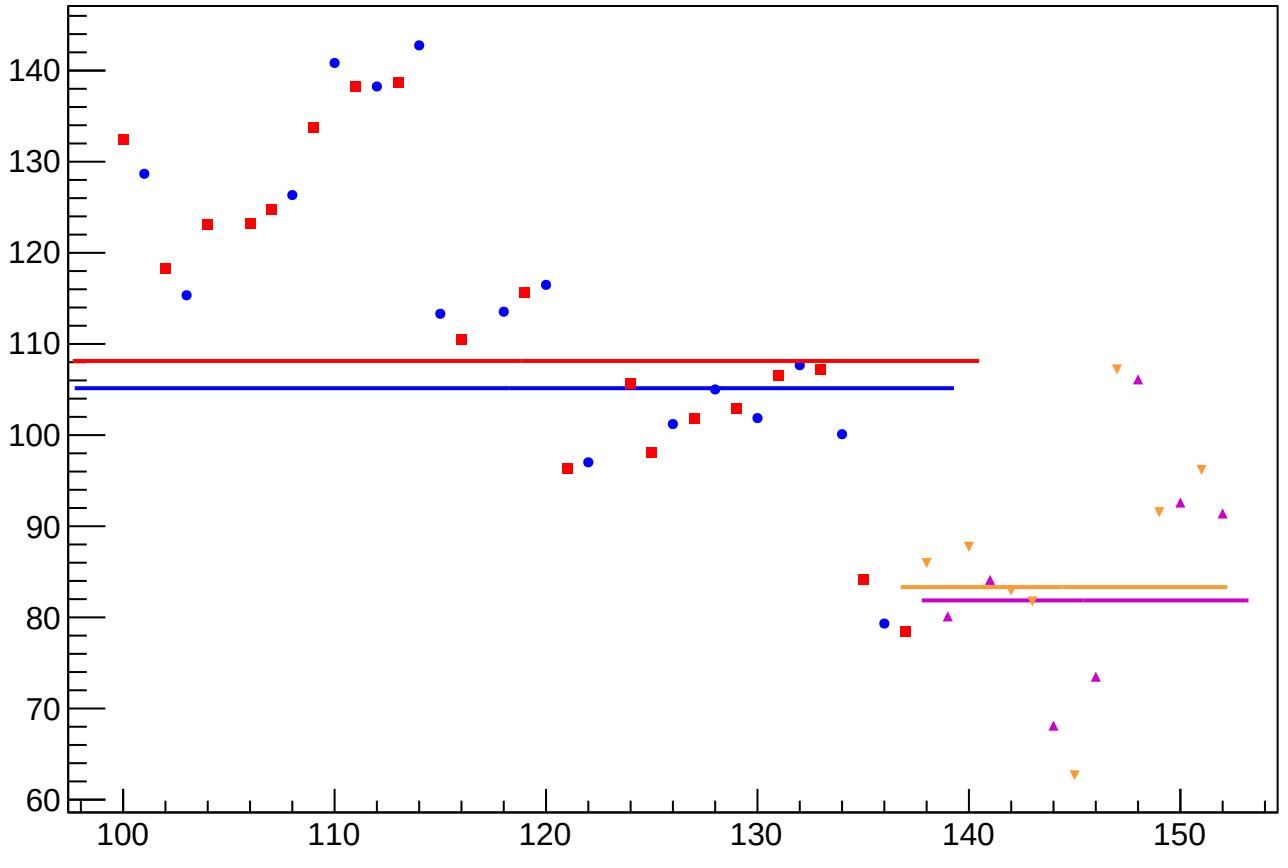
Left: 16.085+/-23.845 χ^2/NDF: 20.3/14

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 79.049+/-25.601 χ^2/NDF:17.6/22

Out: 10.955+/-25.914 χ^2/NDF:30.2/26

All: 45.417+/-18.212 χ^2/NDF: 51.3/49



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: 81.859+/-0.024 χ^2/NDF:226764.4/6

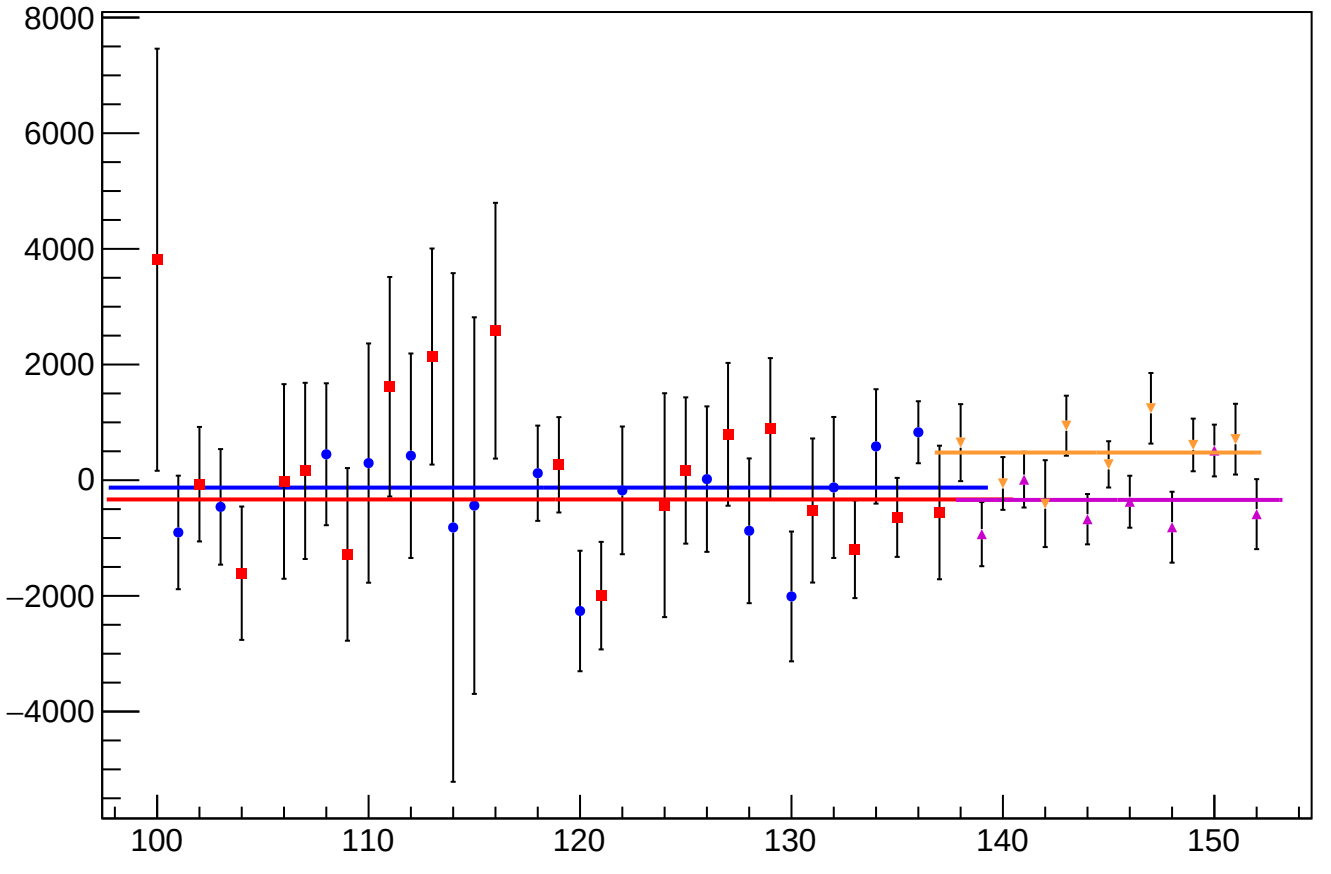
Left: 82.582+/-0.017 χ^2/NDF: 535791.4/14

Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.549+/-0.018 χ^2/NDF:1037234.3/22

Out: 93.674+/-0.018 χ^2/NDF:1099303.8/26

All: 92.599+/-0.013 χ^2/NDF: 2143345.0/49



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: -340.761+/-188.350 χ^2/NDF:6.7/6

Left: 74.422+/-132.264 χ^2/NDF: 21.9/14

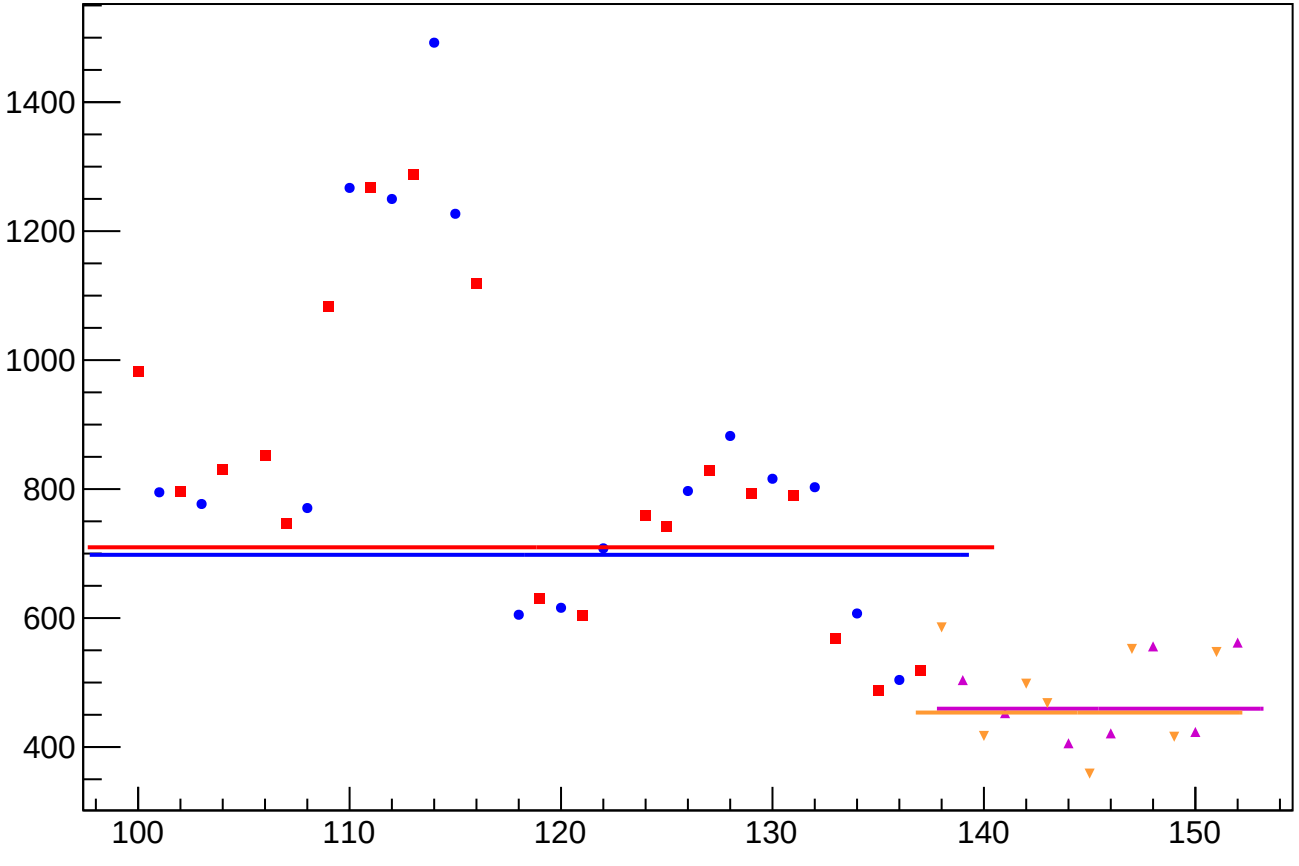
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -270.647+/-154.216 χ^2/NDF:19.4/22

Out: 218.843+/-153.199 χ^2/NDF:26.5/26

All: -24.283+/-108.686 χ^2/NDF: 50.9/49

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 453.475+/-0.131 χ^2/NDF:324926.1/7

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 459.427+/-0.133 χ^2/NDF:178185.3/6

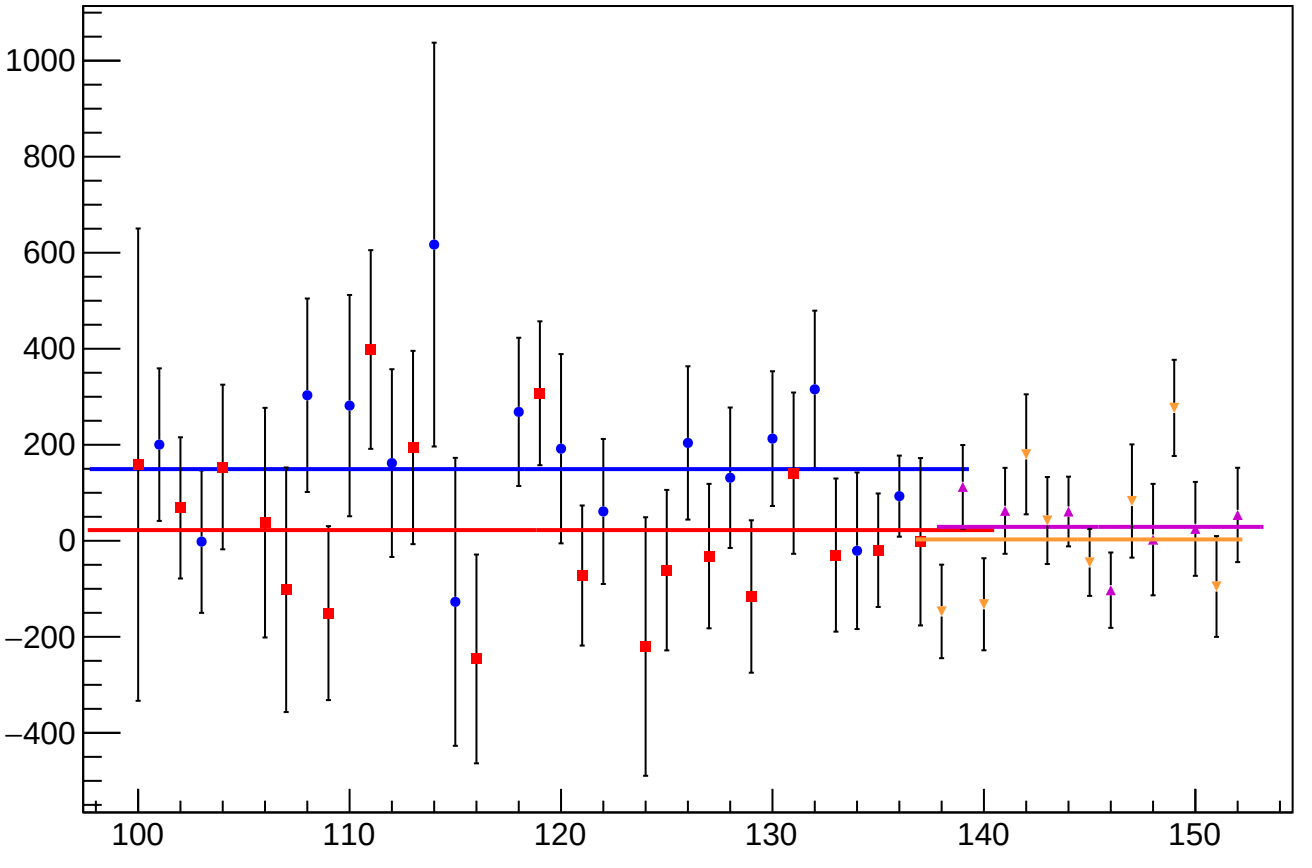
Left: 456.410+/-0.094 χ^2/NDF: 504123.8/14

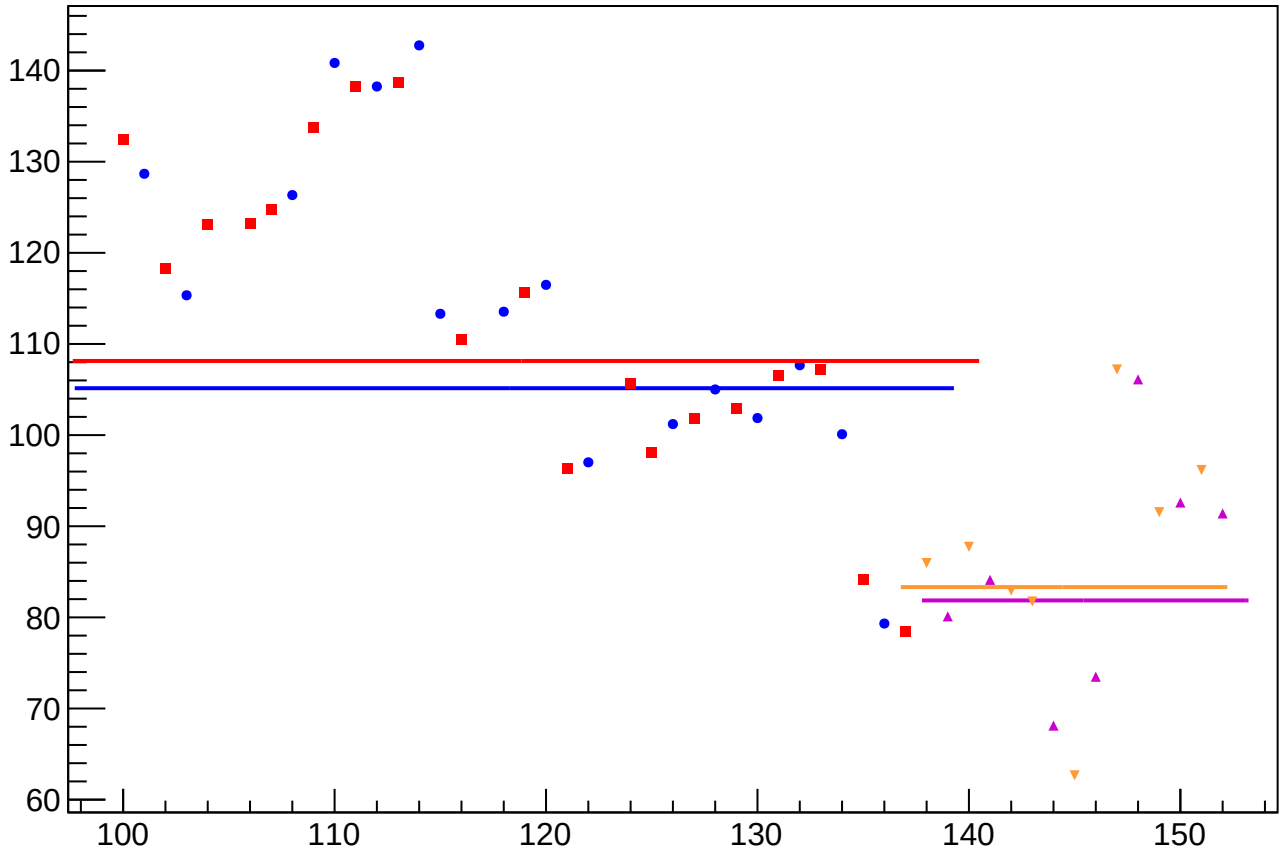
Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 538.083+/-0.109 χ^2/NDF:2149196.4/22

Out: 535.473+/-0.108 χ^2/NDF:2569790.6/26

All: 536.769+/-0.077 χ^2/NDF: 4719275.2/49


eigen_cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
100
110
120
130
140
150
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: 2.837+/-33.944 χ²/NDF:15.8/7
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: 28.991+/-33.503 χ²/NDF:4.2/6
Left: 16.085+/-23.845 χ²/NDF: 20.3/14
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 79.049+/-25.601 χ²/NDF:17.6/22
Out: 10.955+/-25.914 χ²/NDF:30.2/26
All: 45.417+/-18.212 χ²/NDF: 51.3/49



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: 81.859+/-0.024 χ^2/NDF:226764.4/6

Left: 82.582+/-0.017 χ^2/NDF: 535791.4/14

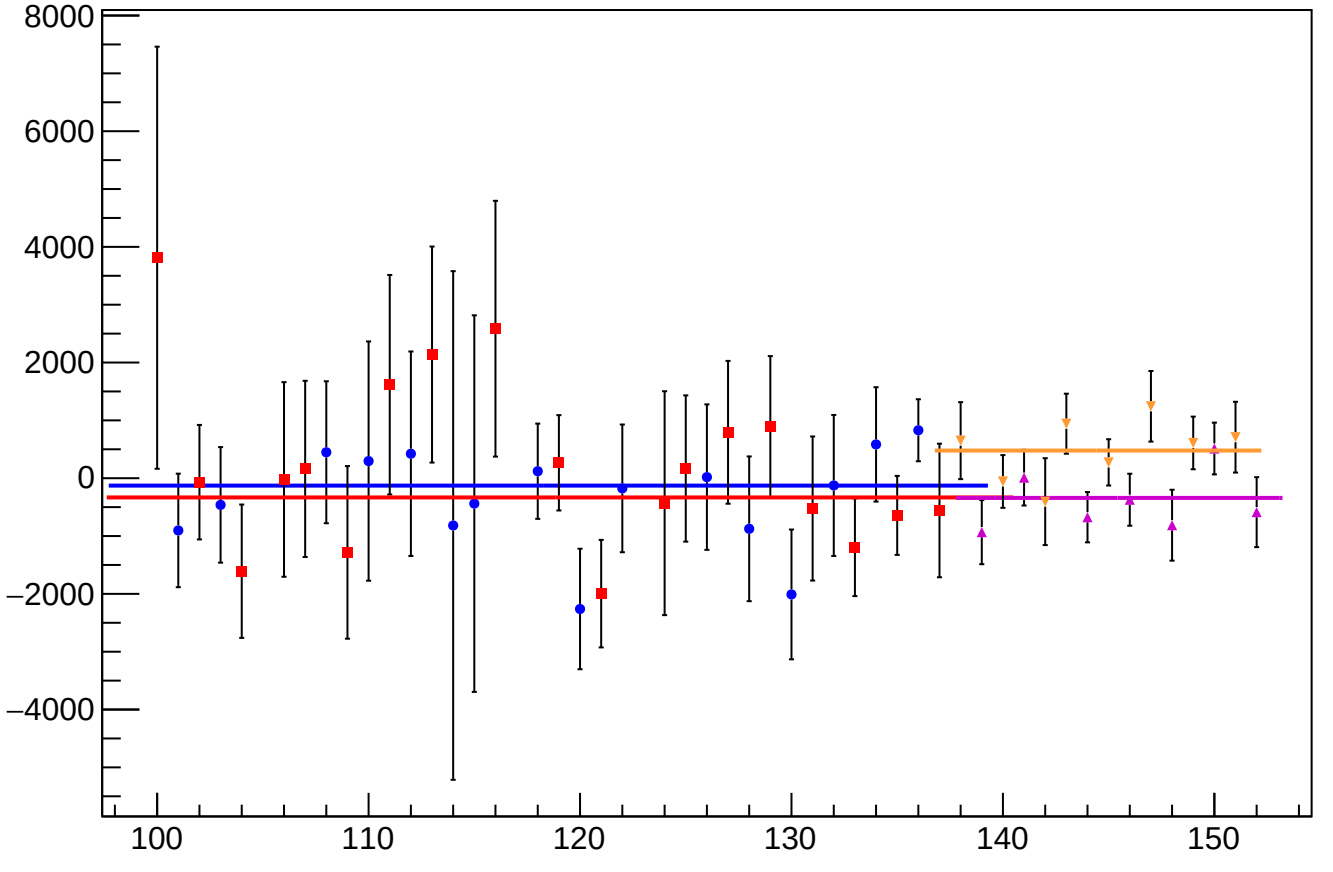
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.549+/-0.018 χ^2/NDF:1037234.3/22

Out: 93.674+/-0.018 χ^2/NDF:1099303.8/26

All: 92.599+/-0.013 χ^2/NDF: 2143345.0/49

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: -340.761+/-188.350 χ^2/NDF:6.7/6

Left: 74.422+/-132.264 χ^2/NDF: 21.9/14

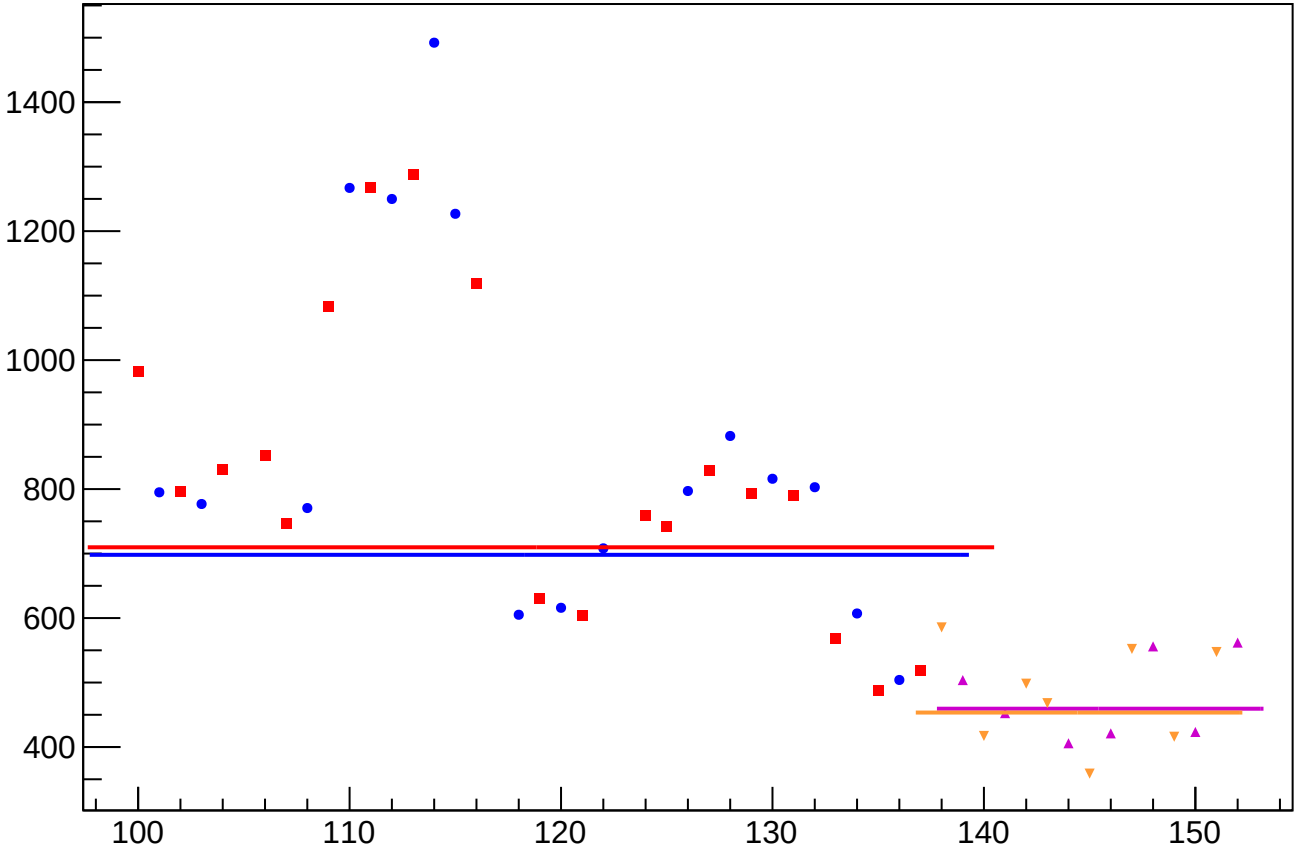
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -270.647+/-154.216 χ^2/NDF:19.4/22

Out: 218.843+/-153.199 χ^2/NDF:26.5/26

All: -24.283+/-108.686 χ^2/NDF: 50.9/49

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: 459.427+/-0.133 χ^2/NDF:178185.3/6

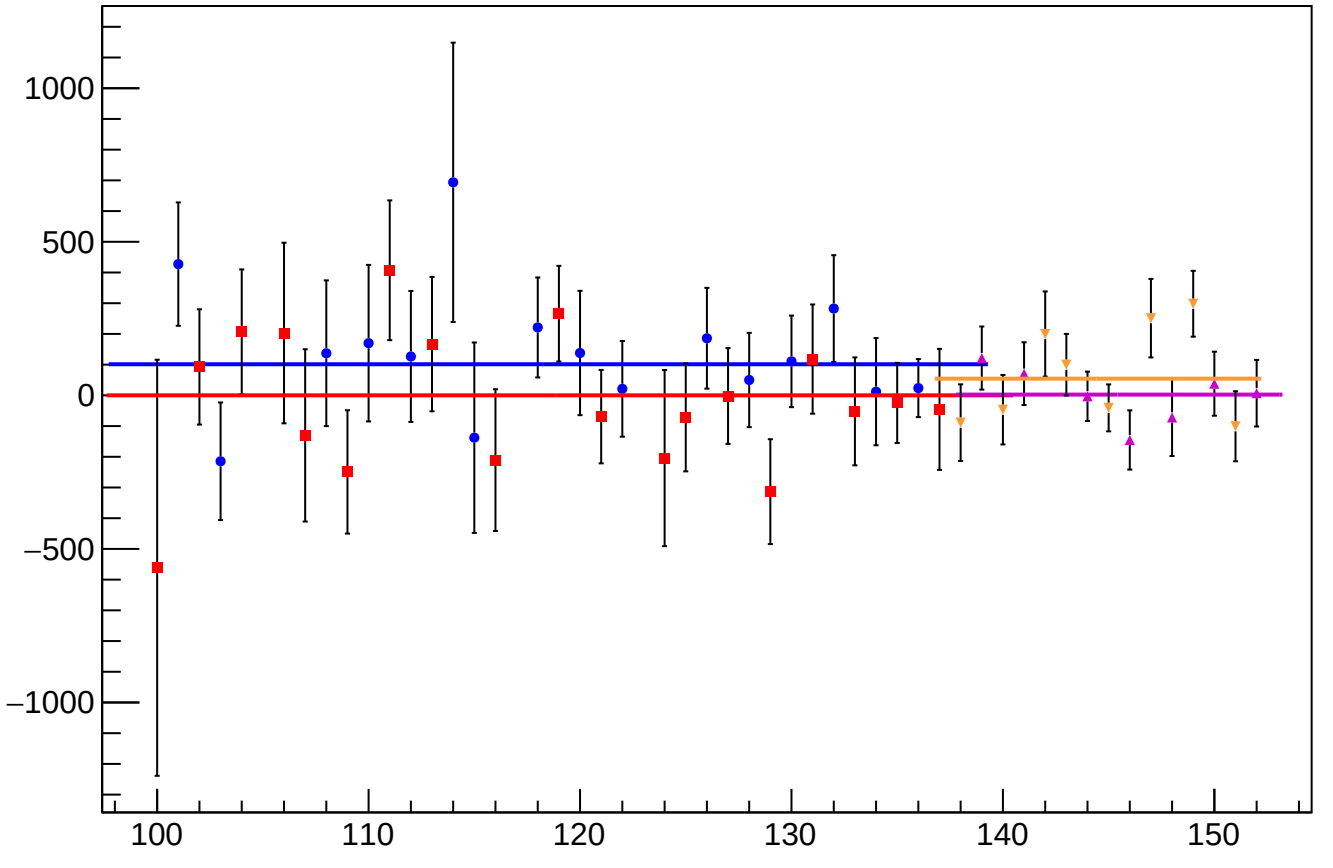
Left: 456.410+/-0.094 χ^2/NDF: 504123.8/14

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 538.083+/-0.109 χ^2/NDF:2149196.4/22

Out: 535.473+/-0.108 χ^2/NDF:2569790.6/26

All: 536.769+/-0.077 χ^2/NDF: 4719275.2/49



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: 2.466+/-37.971 χ^2/NDF:4.6/6

Left: 28.364+/-26.879 χ^2/NDF: 19.9/14

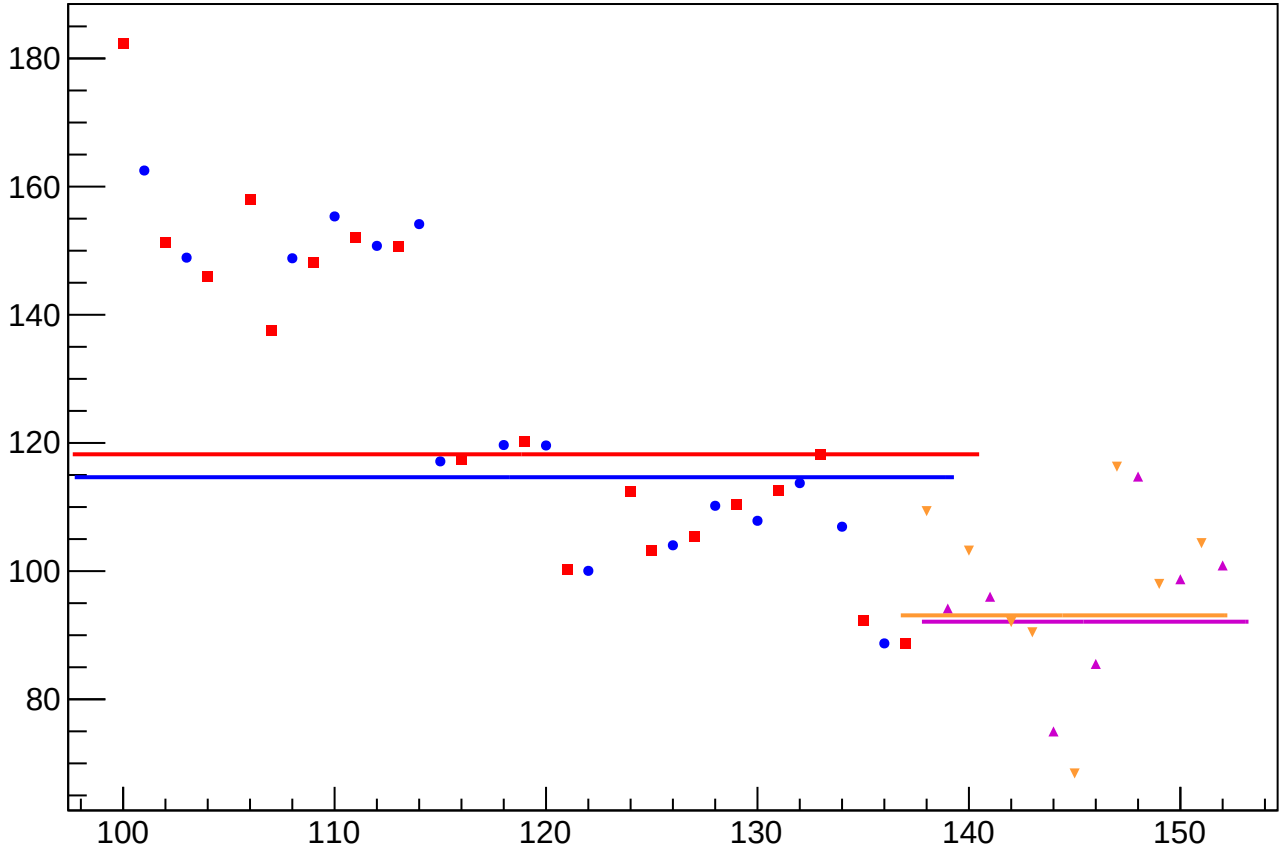
Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 45.188+/-28.609 χ^2/NDF:18.5/22

Out: 31.182+/-28.792 χ^2/NDF:31.9/26

All: 38.230+/-20.294 χ^2/NDF: 50.5/49

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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: 92.109+/-0.027 χ^2/NDF:190221.7/6

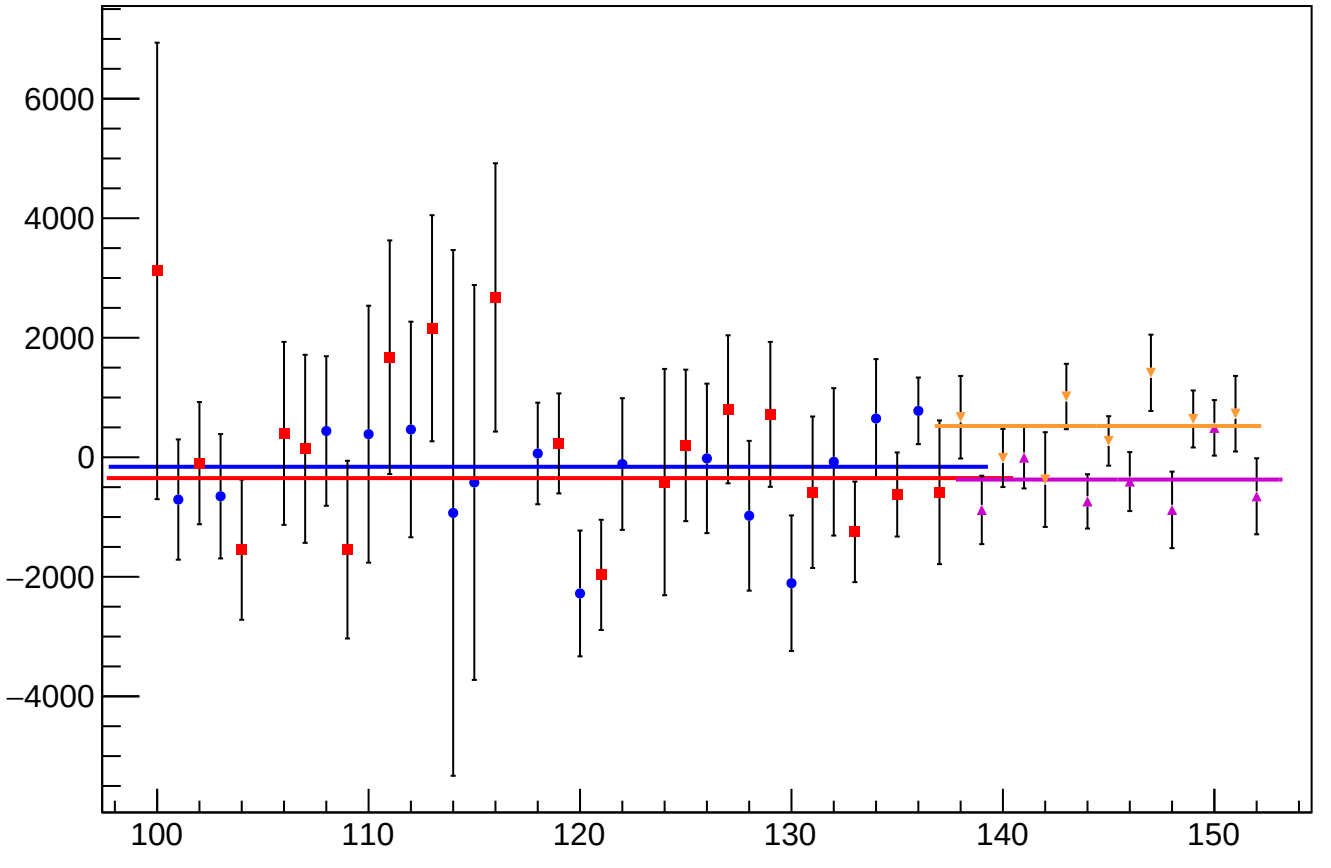
Left: 92.602+/-0.019 χ^2/NDF: 540471.3/14

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 101.856+/-0.020 χ^2/NDF:1027047.0/22

Out: 103.843+/-0.020 χ^2/NDF:1205949.4/26

All: 102.843+/-0.014 χ^2/NDF: 2237786.7/49



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: -373.046+/-198.845 χ^2/NDF:6.2/6

Left: 85.526+/-139.028 χ^2/NDF: 22.5/14

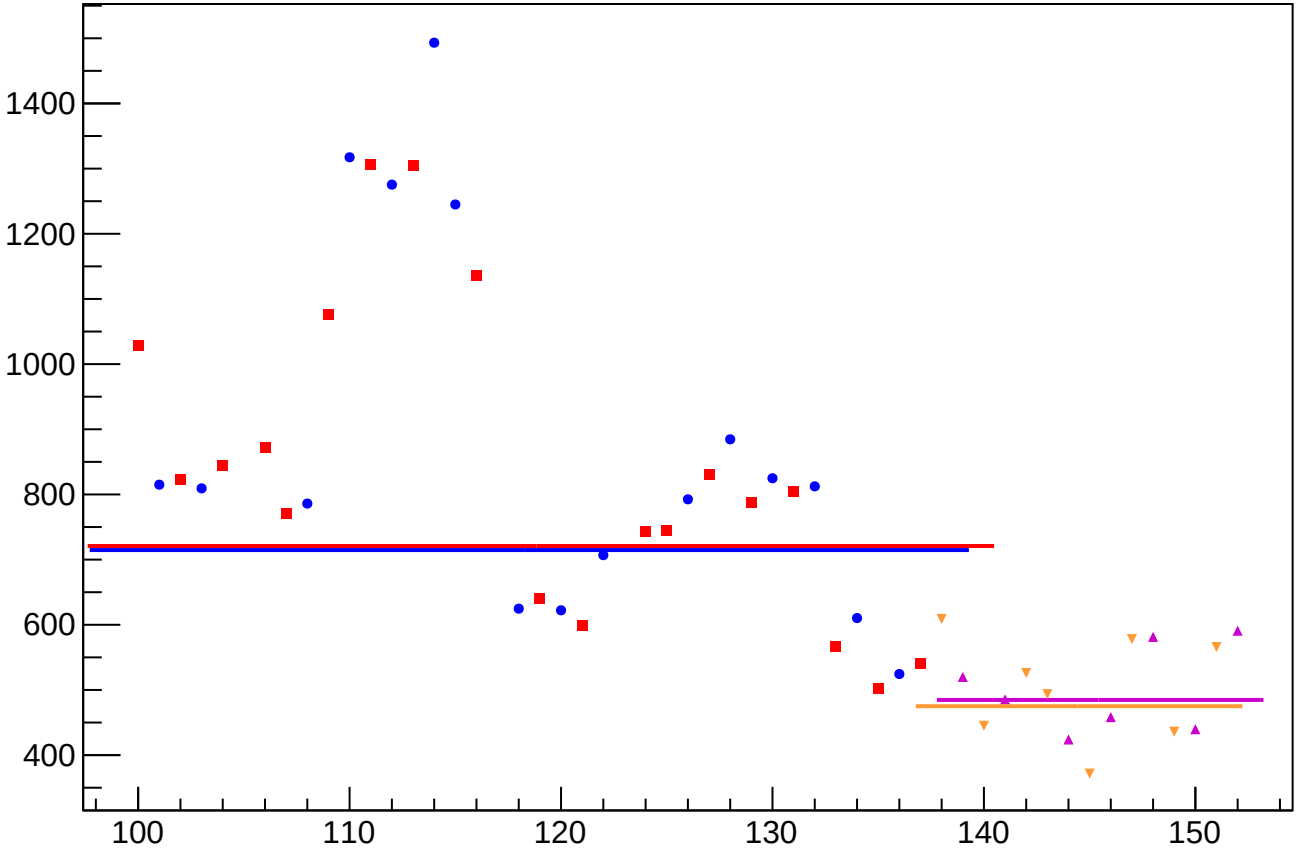
Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -299.440+/-161.046 χ^2/NDF:18.6/22

Out: 231.219+/-158.503 χ^2/NDF:26.9/26

All: -29.888+/-112.967 χ^2/NDF: 51.0/49

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: 484.701+/-0.141 χ^2/NDF:169076.7/6

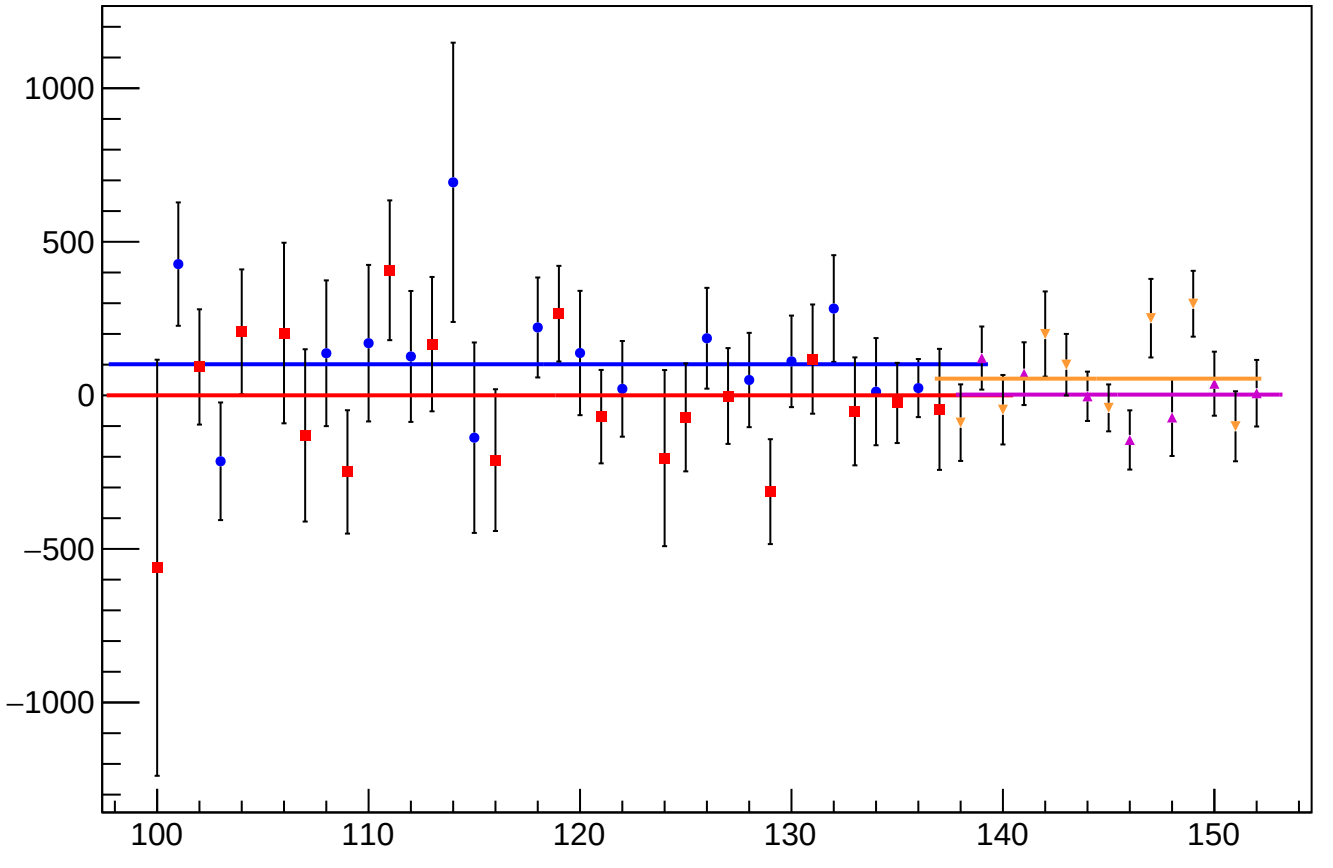
Left: 479.762+/-0.098 χ^2/NDF: 496153.4/14

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 563.822+/-0.114 χ^2/NDF:1965643.1/22

Out: 557.551+/-0.112 χ^2/NDF:2415982.6/26

All: 560.637+/-0.080 χ^2/NDF: 4383166.3/49



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: 2.465+/-37.971 χ^2/NDF:4.6/6

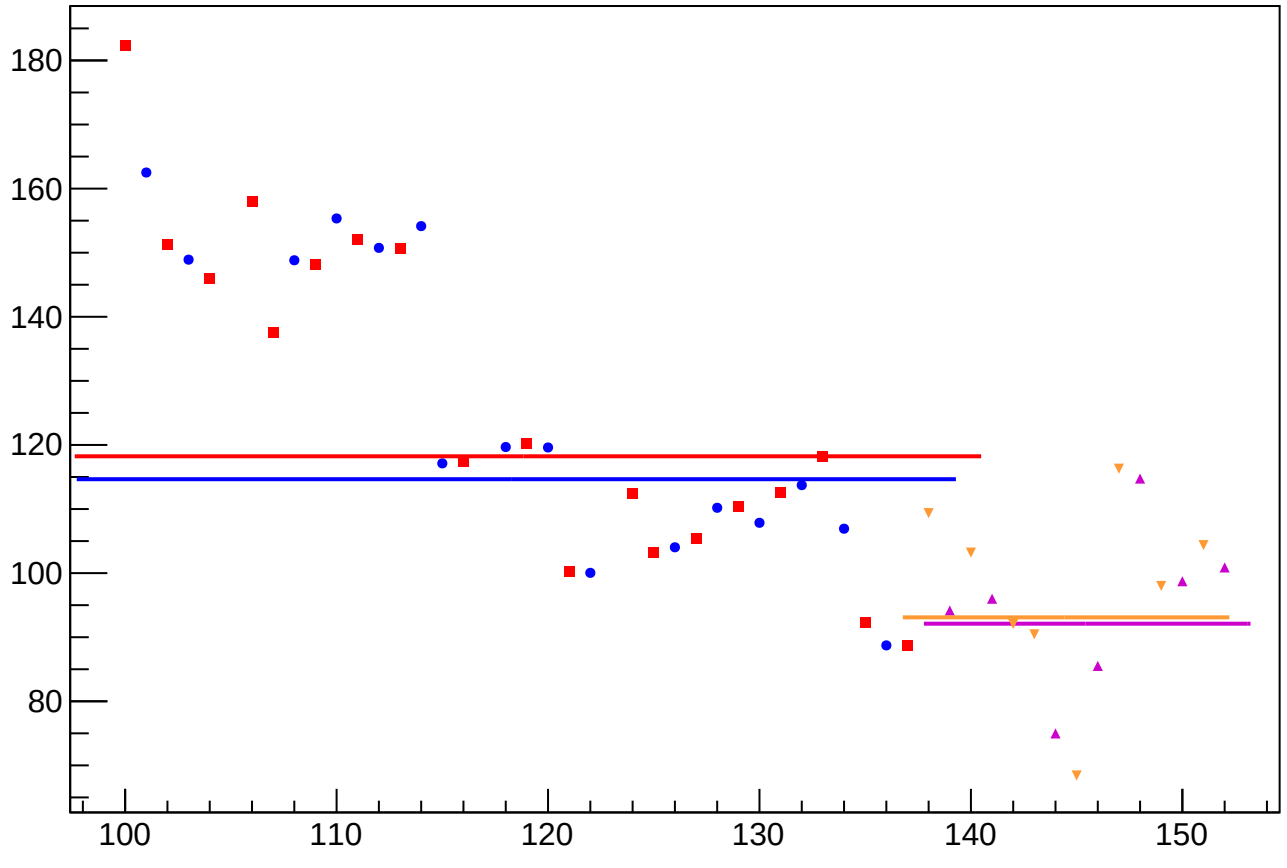
Left: 28.364+/-26.879 χ^2/NDF: 19.9/14

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 45.186+/-28.609 χ^2/NDF:18.5/22

Out: 31.182+/-28.792 χ^2/NDF:31.9/26

All: 38.229+/-20.294 χ^2/NDF: 50.5/49



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: 92.109+/-0.027 χ^2/NDF:190222.6/6

Left: 92.602+/-0.019 χ^2/NDF: 540478.4/14

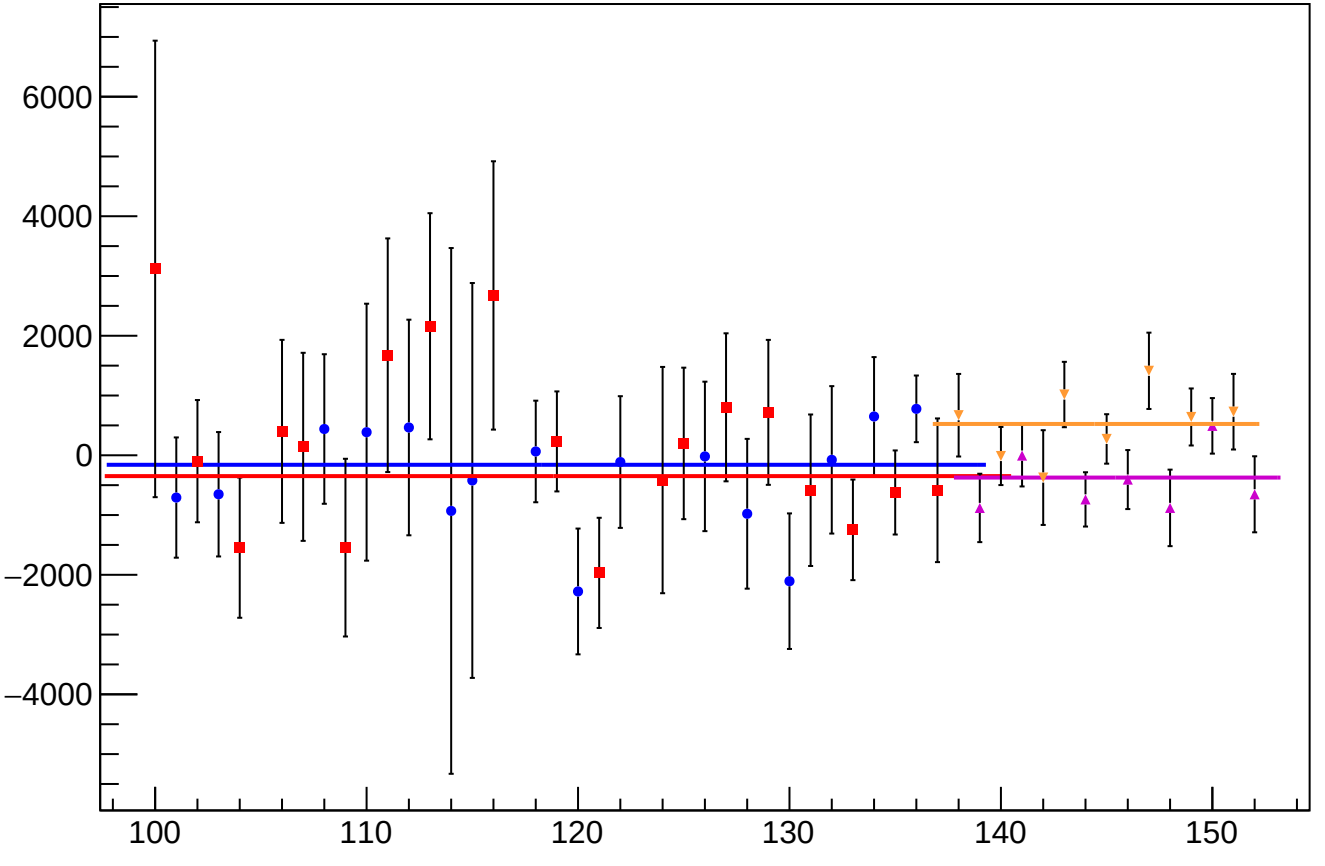
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 101.856+/-0.020 χ^2/NDF:1027036.3/22

Out: 103.843+/-0.020 χ^2/NDF:1205947.6/26

All: 102.843+/-0.014 χ^2/NDF: 2237773.7/49

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: -373.047+/-198.846 χ^2/NDF:6.2/6

Left: 85.525+/-139.029 χ^2/NDF: 22.5/14

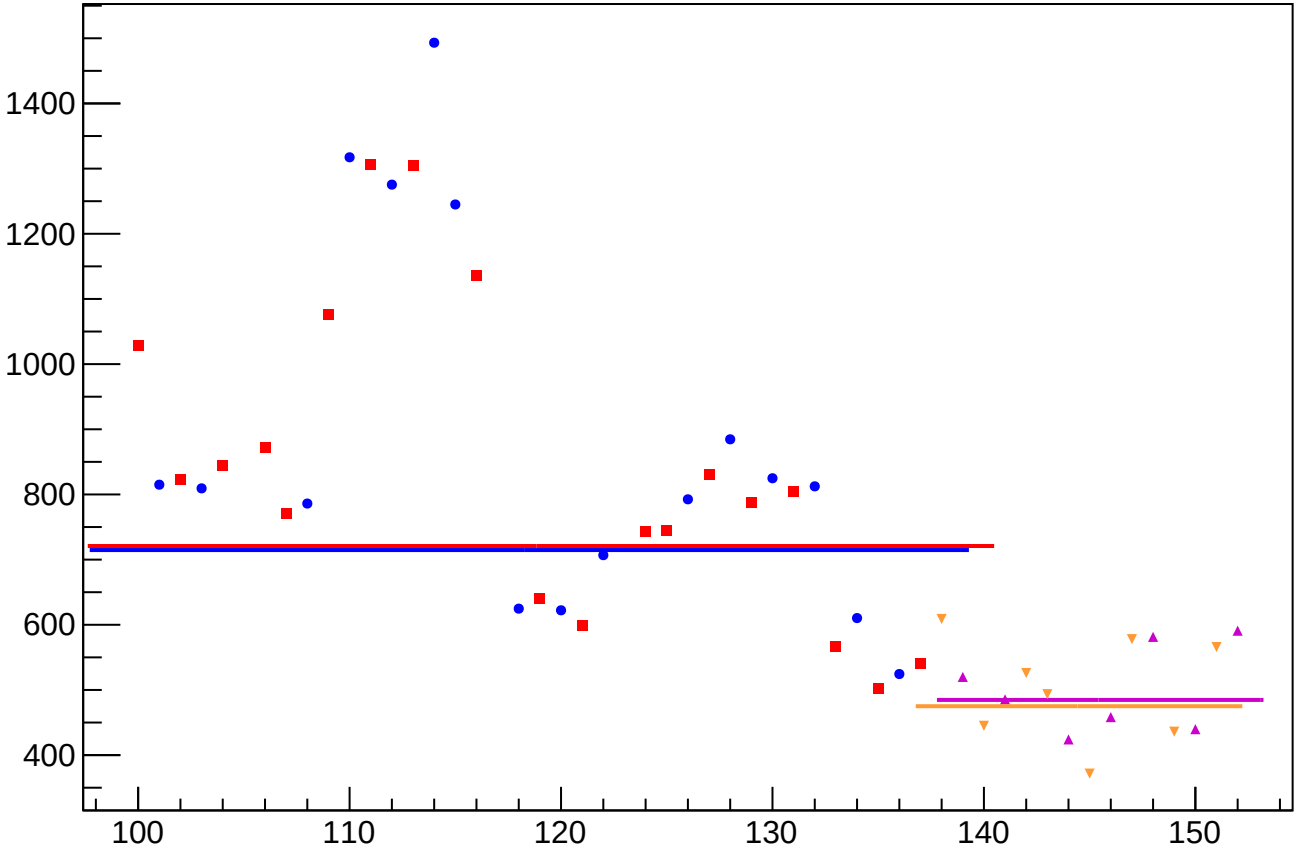
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -299.441+/-161.046 χ^2/NDF:18.6/22

Out: 231.218+/-158.503 χ^2/NDF:26.9/26

All: -29.889+/-112.967 χ^2/NDF: 51.0/49

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: 484.702+/-0.141 χ^2/NDF:169076.3/6

Left: 479.762+/-0.098 χ^2/NDF: 496157.6/14

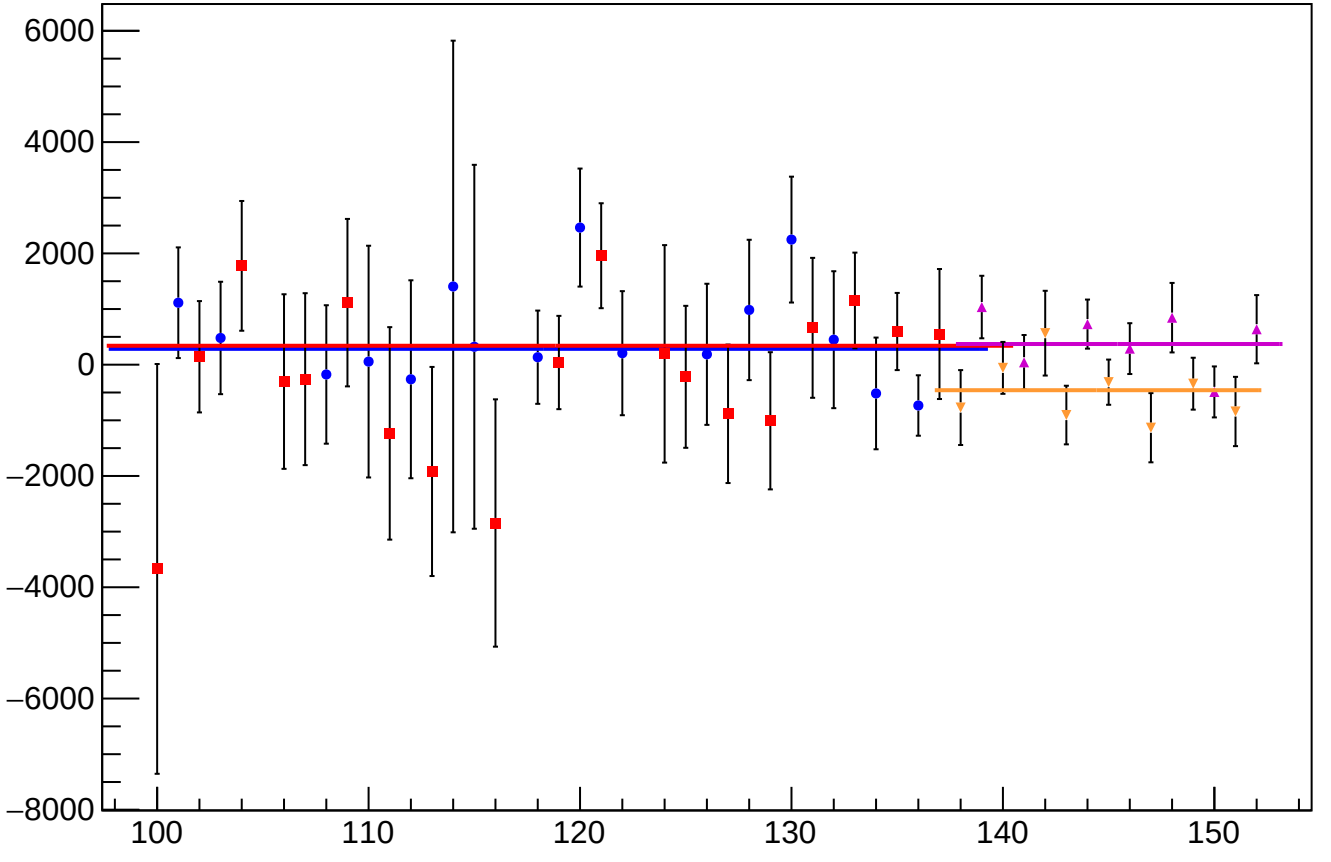
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 563.823+/-0.114 χ^2/NDF:1965633.5/22

Out: 557.551+/-0.112 χ^2/NDF:2415976.7/26

All: 560.637+/-0.080 χ^2/NDF: 4383151.0/49

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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: 371.482+/-191.545 χ^2/NDF:6.8/6

Left: -48.917+/-134.579 χ^2/NDF: 21.6/14

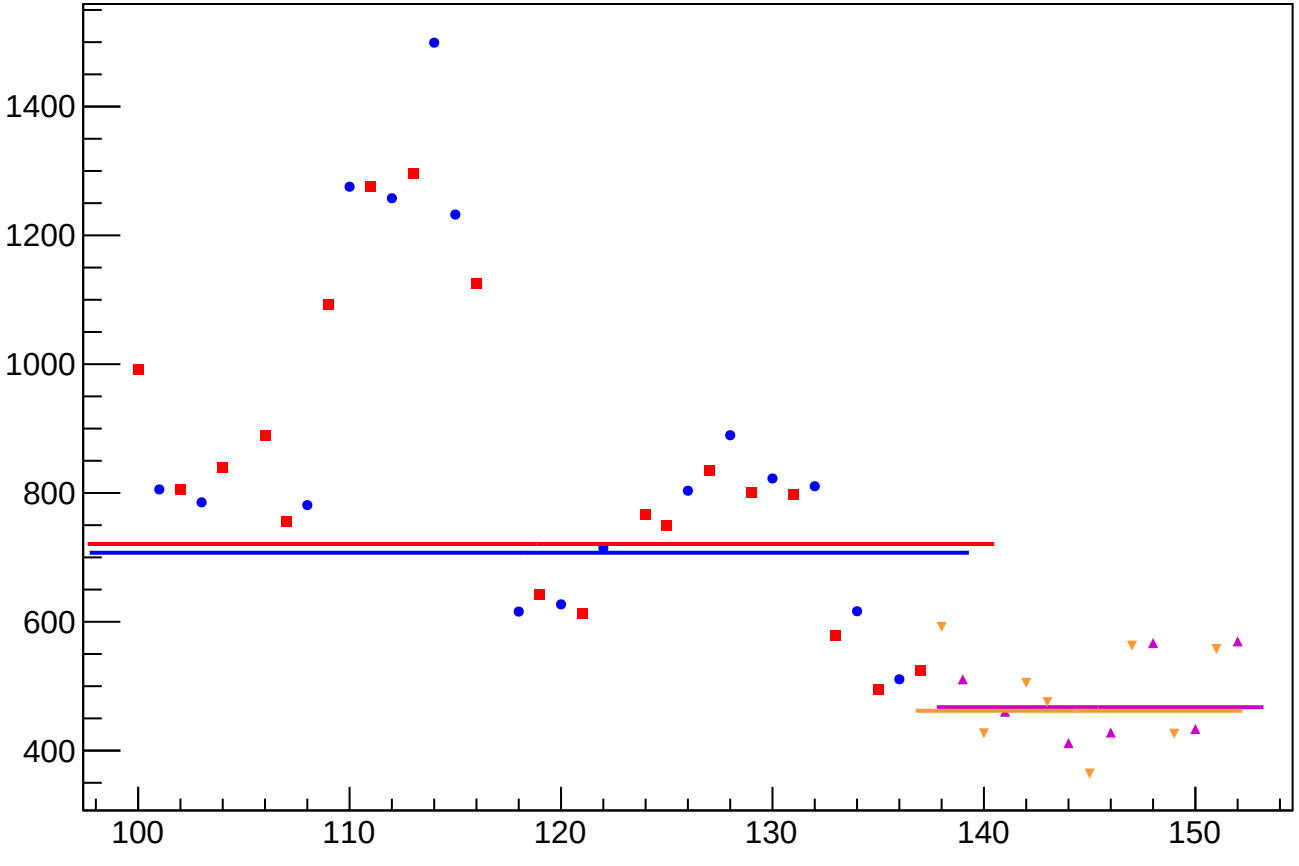
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 342.731+/-156.599 χ^2/NDF:19.7/22

Out: -200.498+/-155.575 χ^2/NDF:25.1/26

All: 69.337+/-110.368 χ^2/NDF: 50.8/49

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: 467.362+/-0.135 χ^2/NDF:176343.1/6

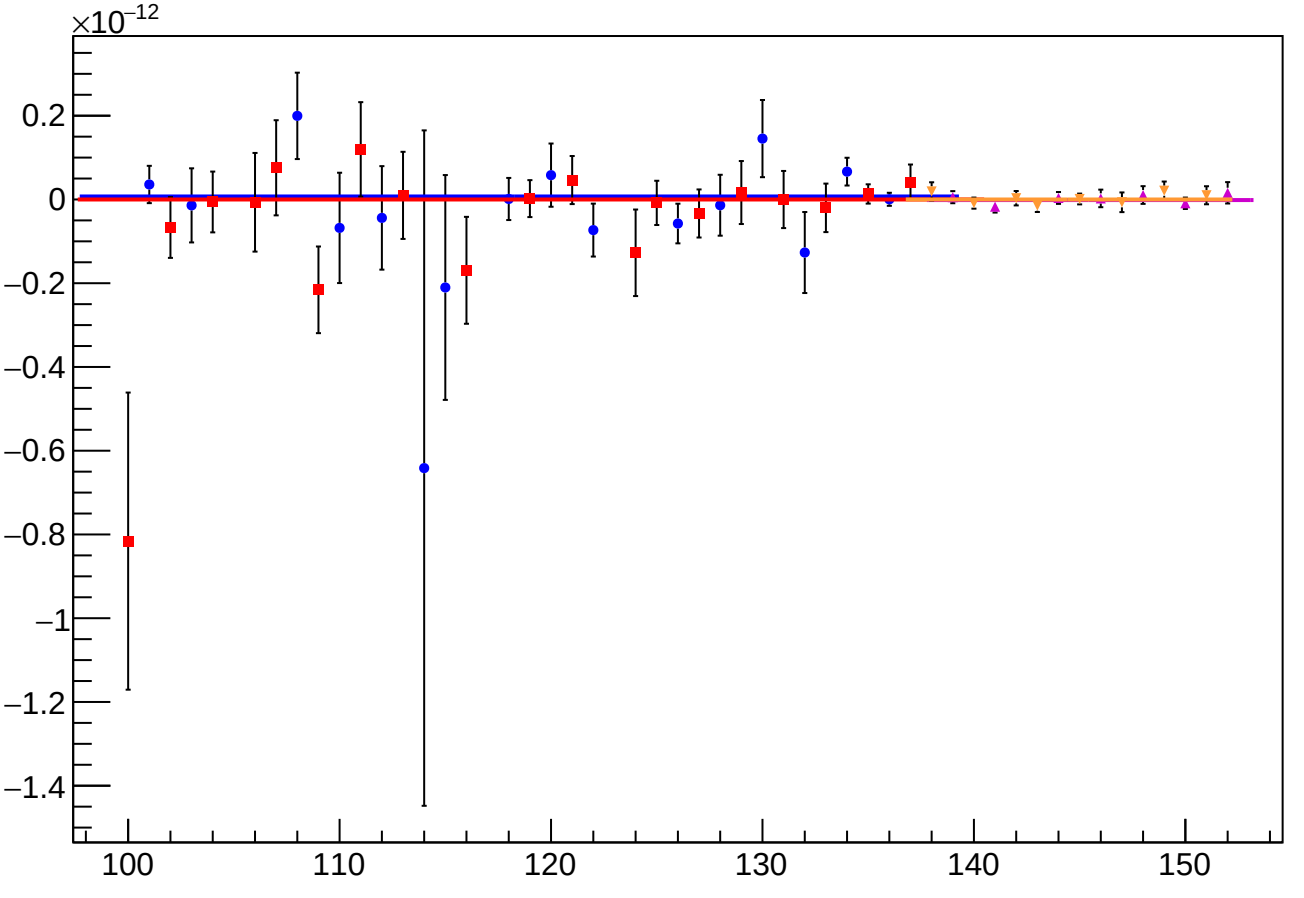
Left: 464.582+/-0.095 χ^2/NDF: 498522.7/14

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 546.896+/-0.111 χ^2/NDF:2112893.7/22

Out: 545.584+/-0.110 χ^2/NDF:2548493.2/26

All: 546.235+/-0.078 χ^2/NDF: 4661457.7/49



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:2.7/6

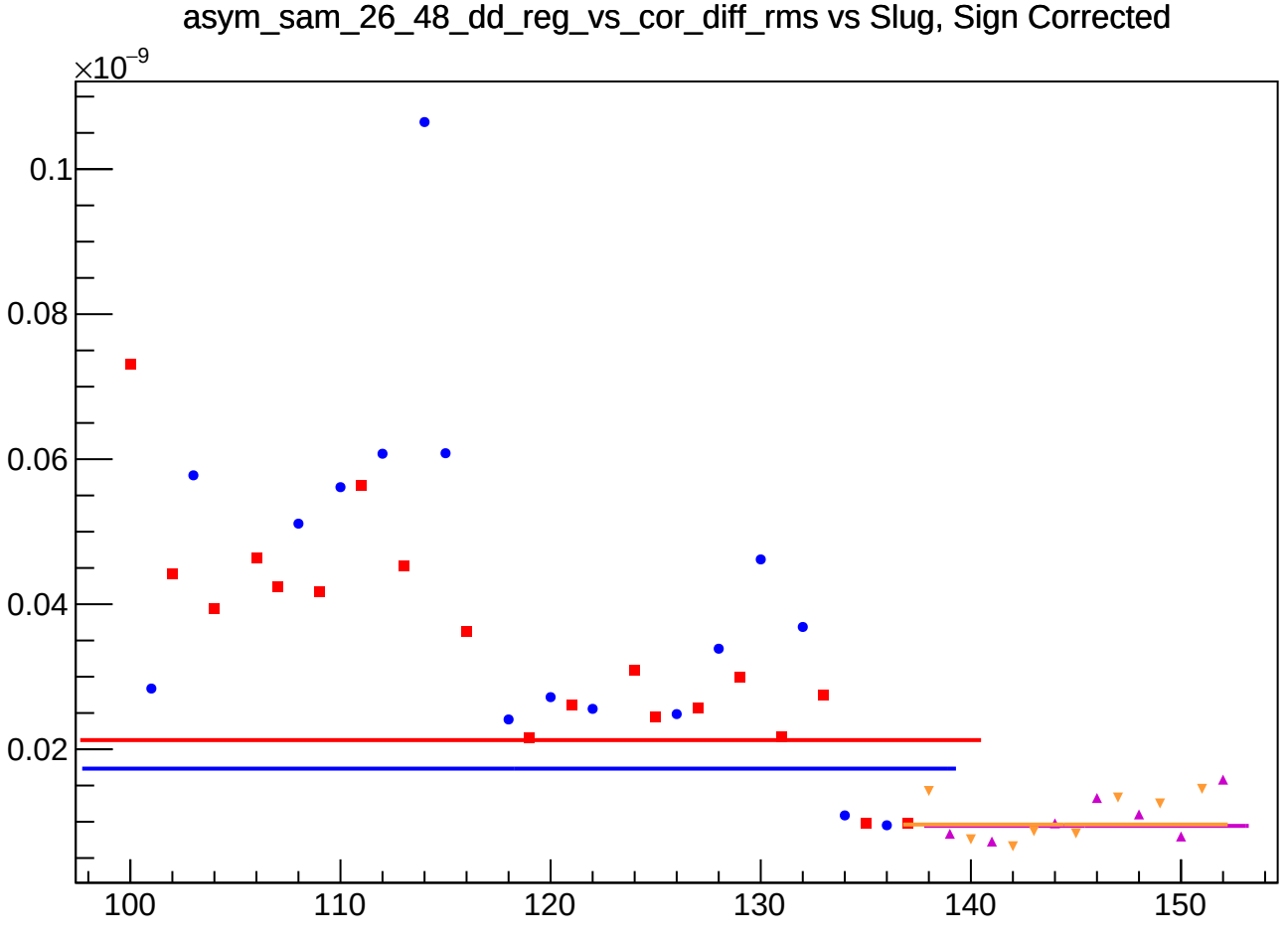
Left: -0.000+/-0.000 χ^2/NDF: 6.1/14

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:20.5/22

Out: -0.000+/-0.000 χ^2/NDF:21.2/26

All: 0.000+/-0.000 χ^2/NDF: 41.7/49



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:412555.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:285730.4/6

Left: 0.000+/-0.000 χ^2/NDF: 699220.5/14

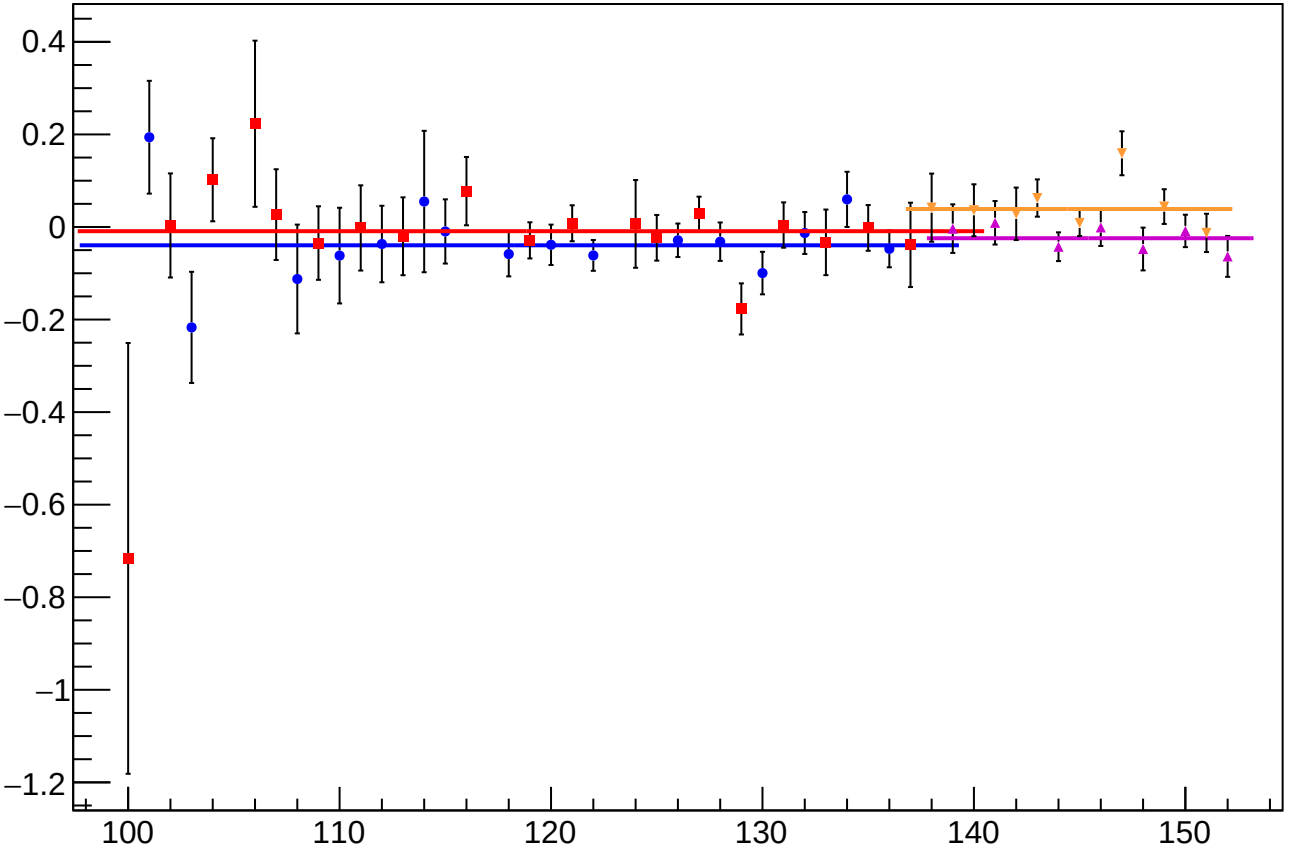
Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3388991.0/22

Out: 0.000+/-0.000 χ^2/NDF:3339869.0/26

All: 0.000+/-0.000 χ^2/NDF: 6733665.5/49

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.039+/-0.015 χ^2/NDF:9.5/7

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.024+/-0.015 χ^2/NDF:2.6/6

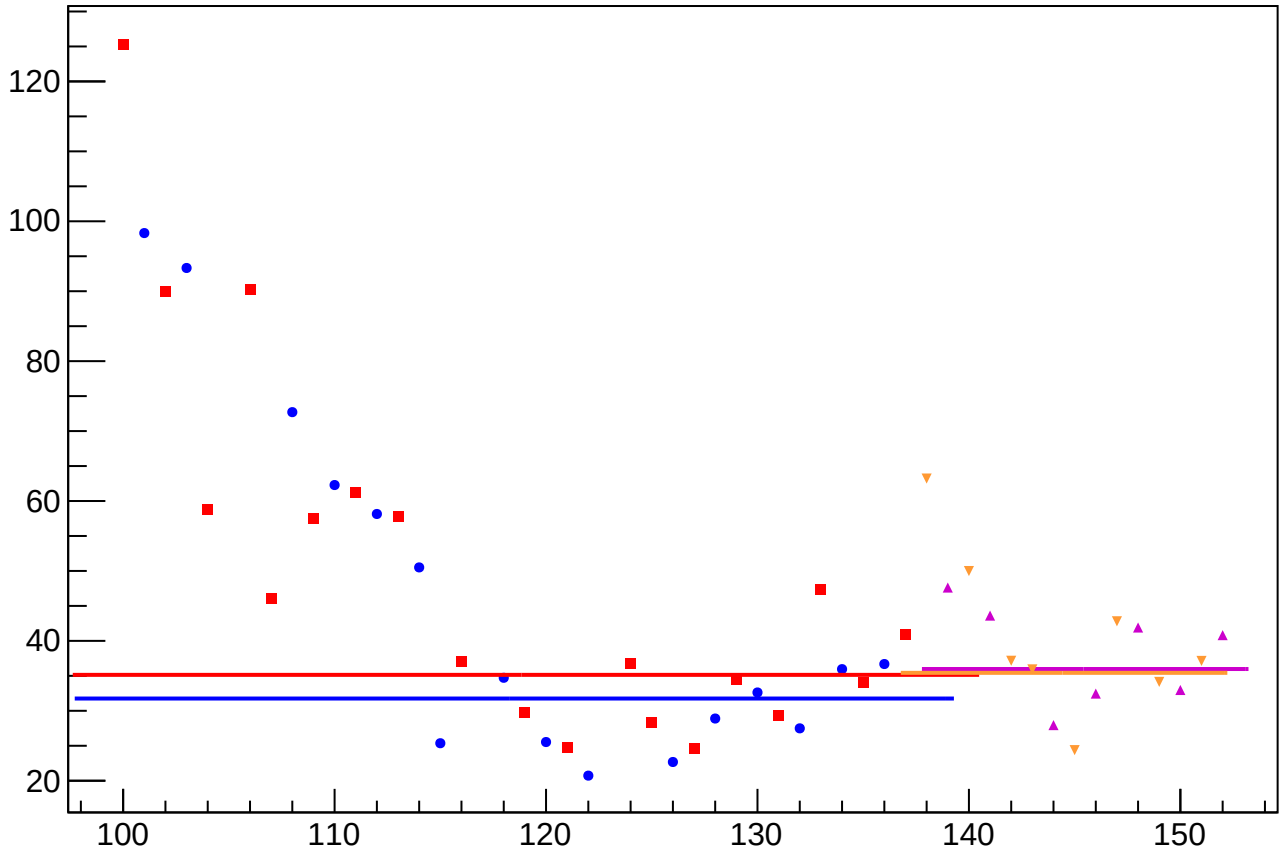
Left: 0.008+/-0.011 χ^2/NDF: 20.8/14

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.010 χ^2/NDF:15.6/22

Out: 0.013+/-0.010 χ^2/NDF:33.2/26

All: -0.011+/-0.007 χ^2/NDF: 59.4/49



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: 35.976+/-0.011 χ^2/NDF:371567.6/6

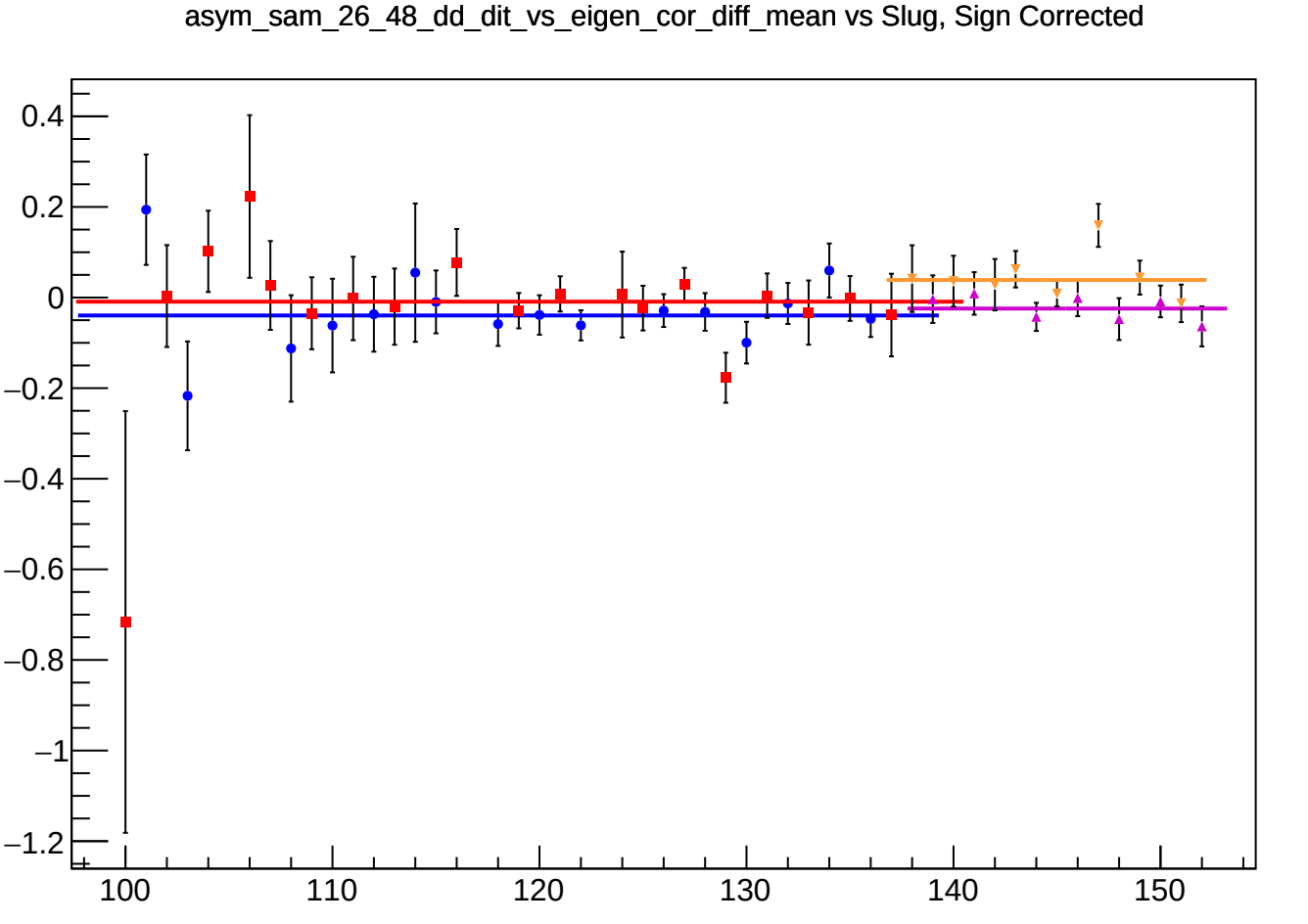
Left: 35.698+/-0.008 χ^2/NDF: 1157239.3/14

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

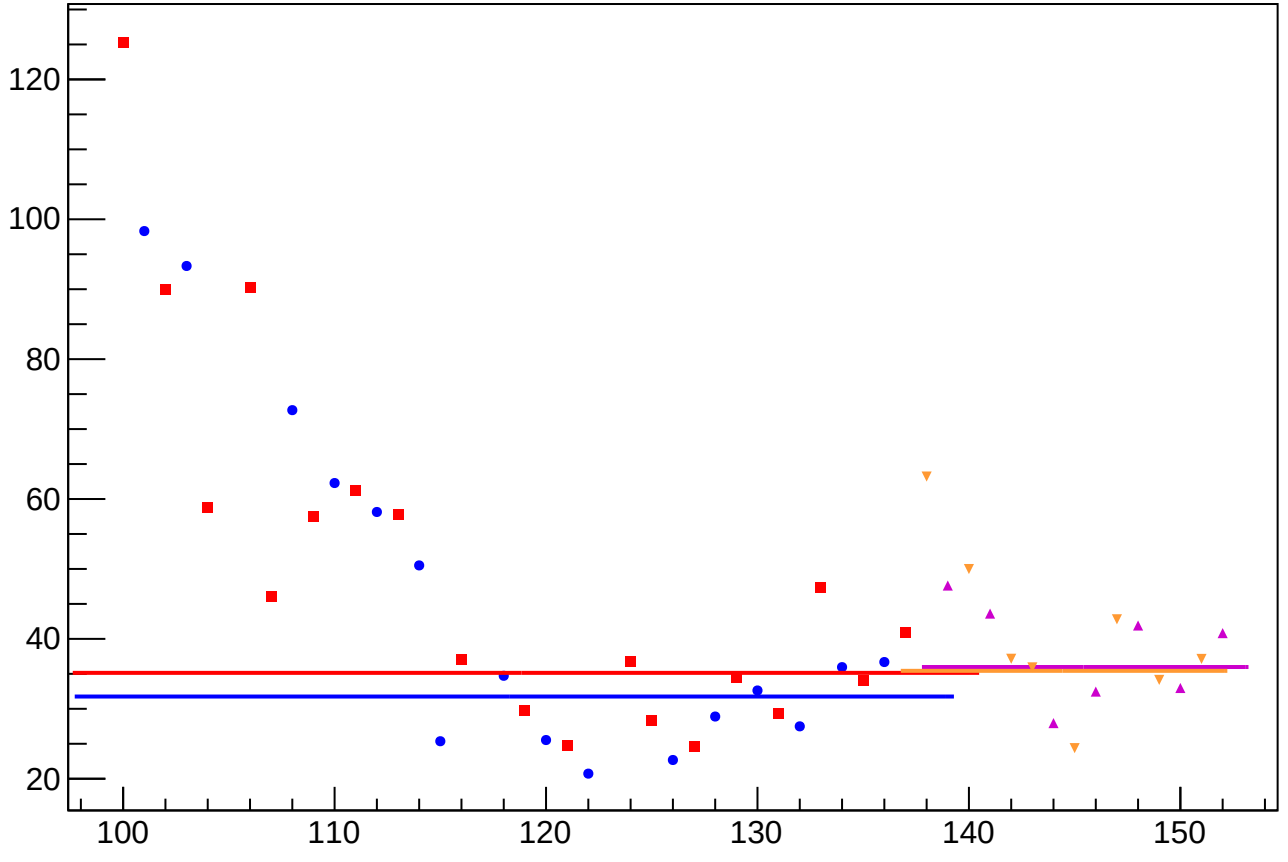
In: 33.549+/-0.007 χ^2/NDF:2711377.2/22

Out: 35.276+/-0.007 χ^2/NDF:2629449.7/26

All: 34.385+/-0.005 χ^2/NDF: 5369802.5/49


asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
Right In: -0.040+/-0.013 χ²/NDF: 12.4/15
Left Out: 0.039+/-0.015 χ²/NDF:9.5/7
Right Out: -0.009+/-0.014 χ²/NDF: 18.3/18
Left In: -0.024+/-0.015 χ²/NDF:2.6/6
Left: 0.008+/-0.011 χ²/NDF: 20.8/14
Right: -0.025+/-0.010 χ²/NDF: 33.2/34
In: -0.033+/-0.010 χ²/NDF:15.6/22
Out: 0.013+/-0.010 χ²/NDF:33.2/26
All: -0.011+/-0.007 χ²/NDF: 59.4/49

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: 35.976+/-0.011 χ^2/NDF:371567.6/6

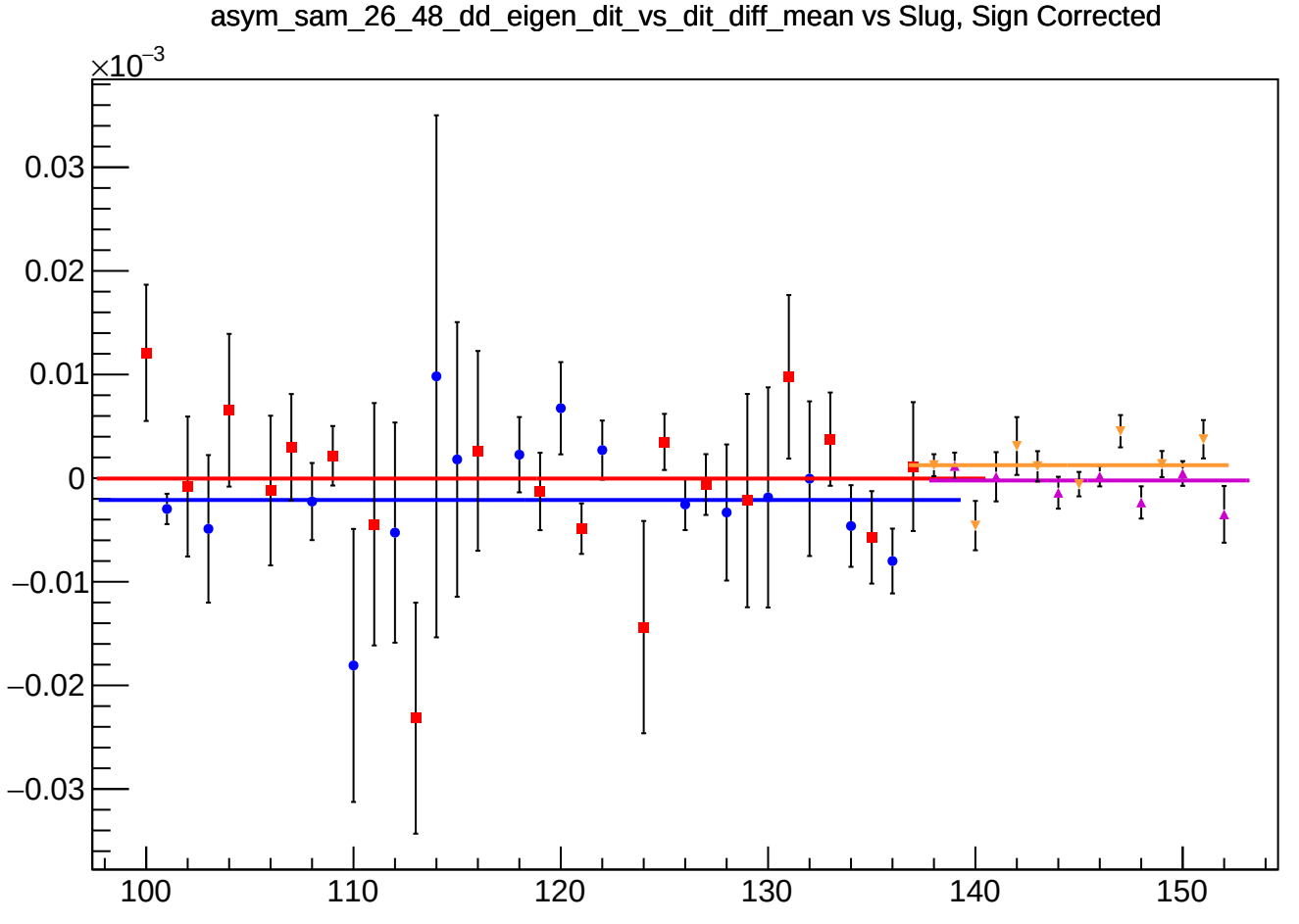
Left: 35.698+/-0.008 χ^2/NDF: 1157239.3/14

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.549+/-0.007 χ^2/NDF:2711377.2/22

Out: 35.276+/-0.007 χ^2/NDF:2629449.7/26

All: 34.385+/-0.005 χ^2/NDF: 5369802.5/49



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:5.6/6

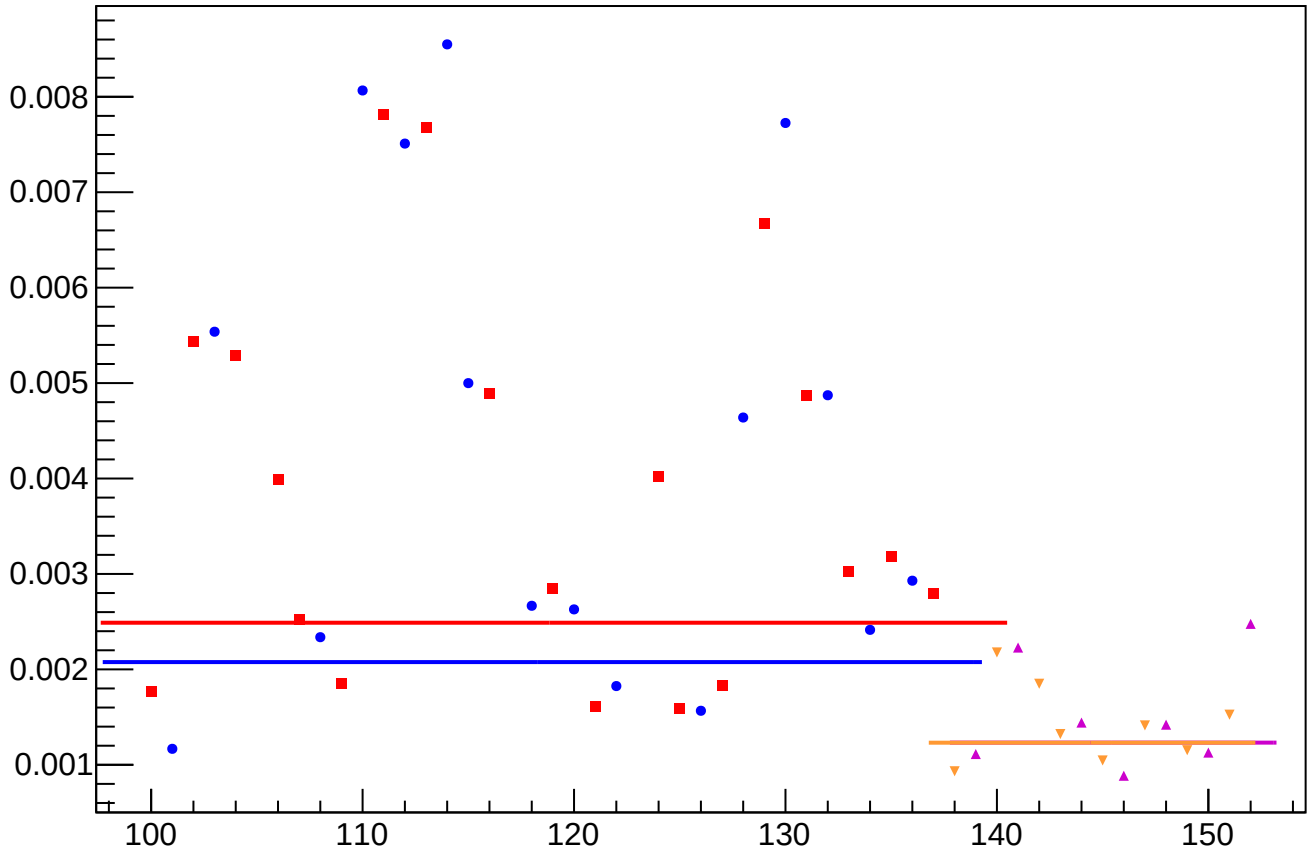
Left: 0.000+/-0.000 χ^2/NDF: 24.6/14

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:23.5/22

Out: 0.000+/-0.000 χ^2/NDF:37.8/26

All: 0.000+/-0.000 χ^2/NDF: 68.0/49



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:1116407.7/6

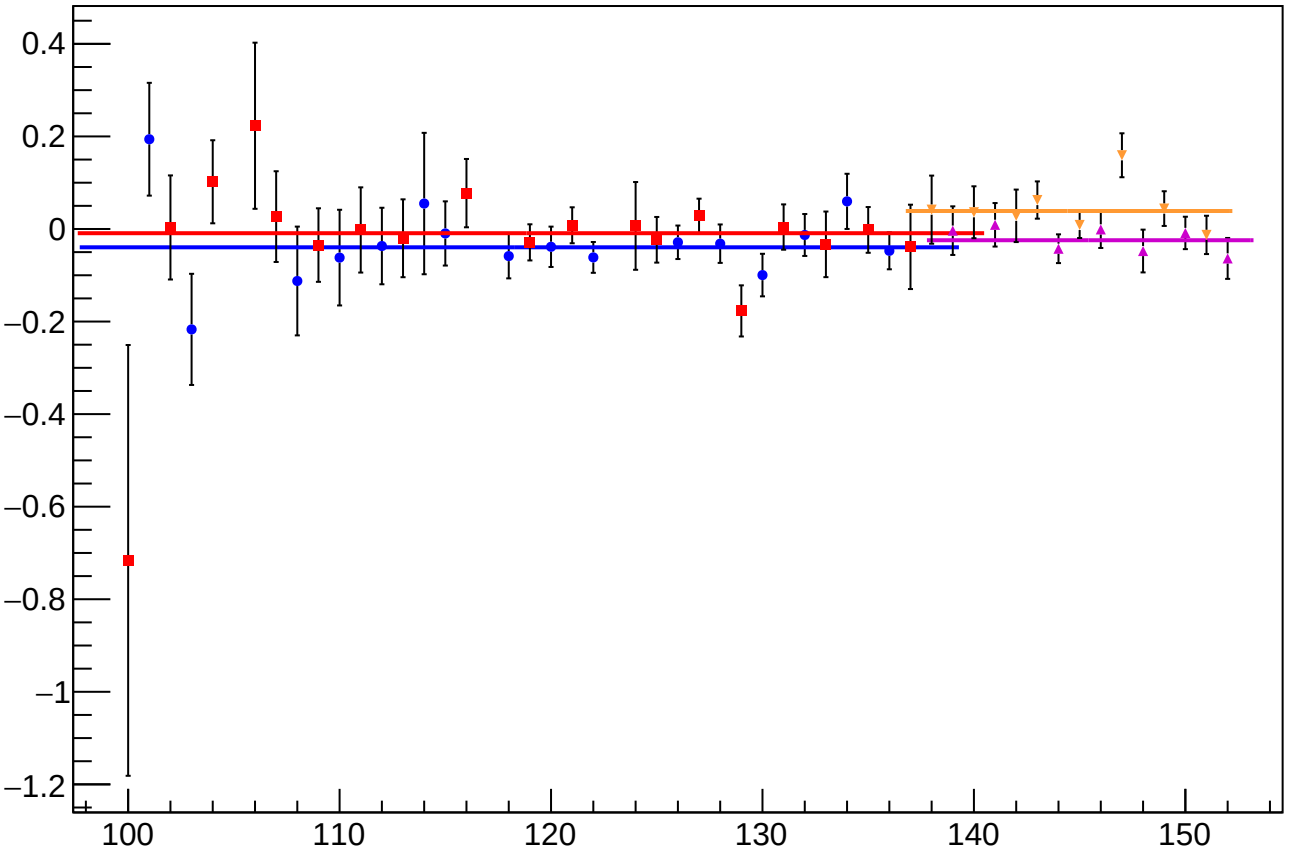
Left: 0.001+/-0.000 χ^2/NDF: 1832349.1/14

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:6313147.4/22

Out: 0.001+/-0.000 χ^2/NDF:6139813.7/26

All: 0.001+/-0.000 χ^2/NDF: 12457878.6/49



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: -0.024+/-0.015 χ^2/NDF:2.6/6

Left: 0.008+/-0.011 χ^2/NDF: 20.8/14

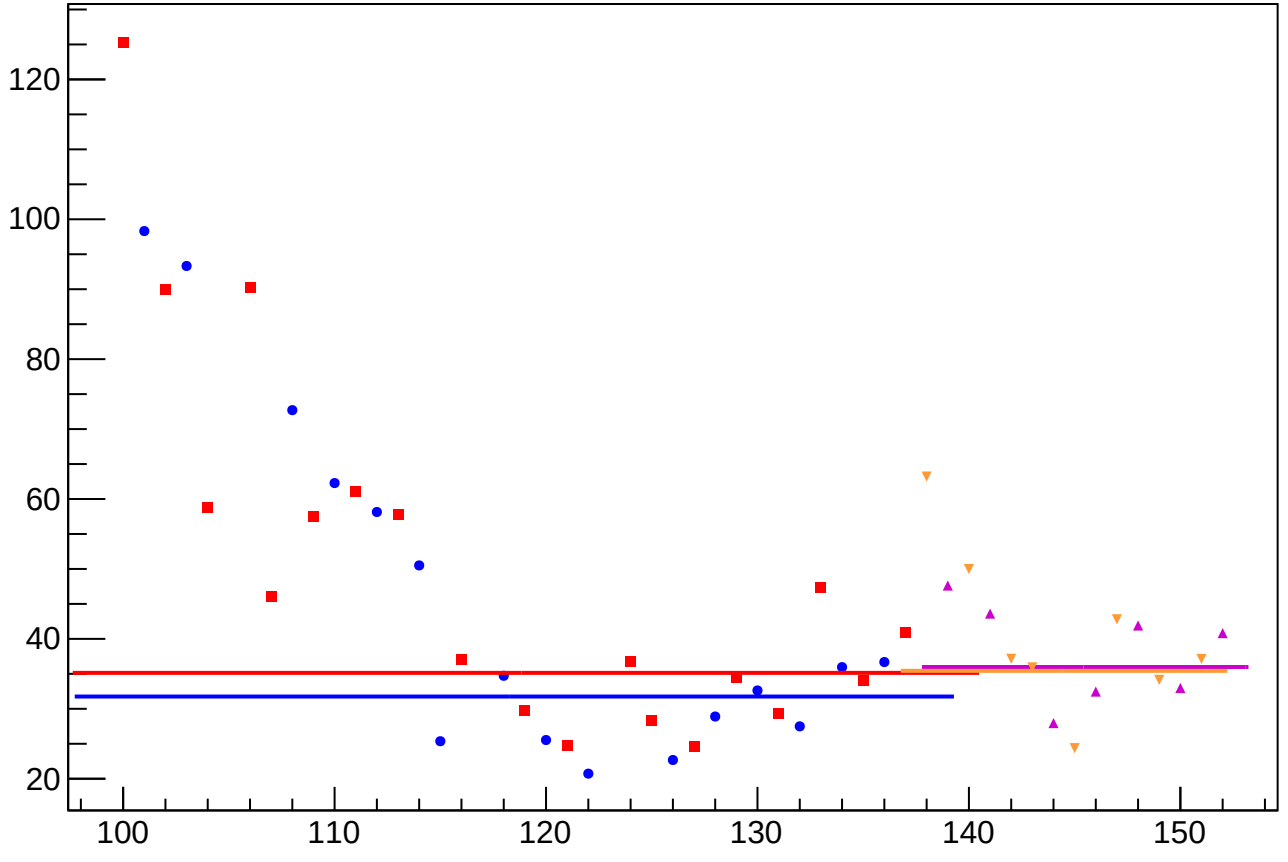
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.010 χ^2/NDF:15.6/22

Out: 0.013+/-0.010 χ^2/NDF:33.2/26

All: -0.011+/-0.007 χ^2/NDF: 59.3/49

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: 35.976+/-0.011 χ^2/NDF:371574.4/6

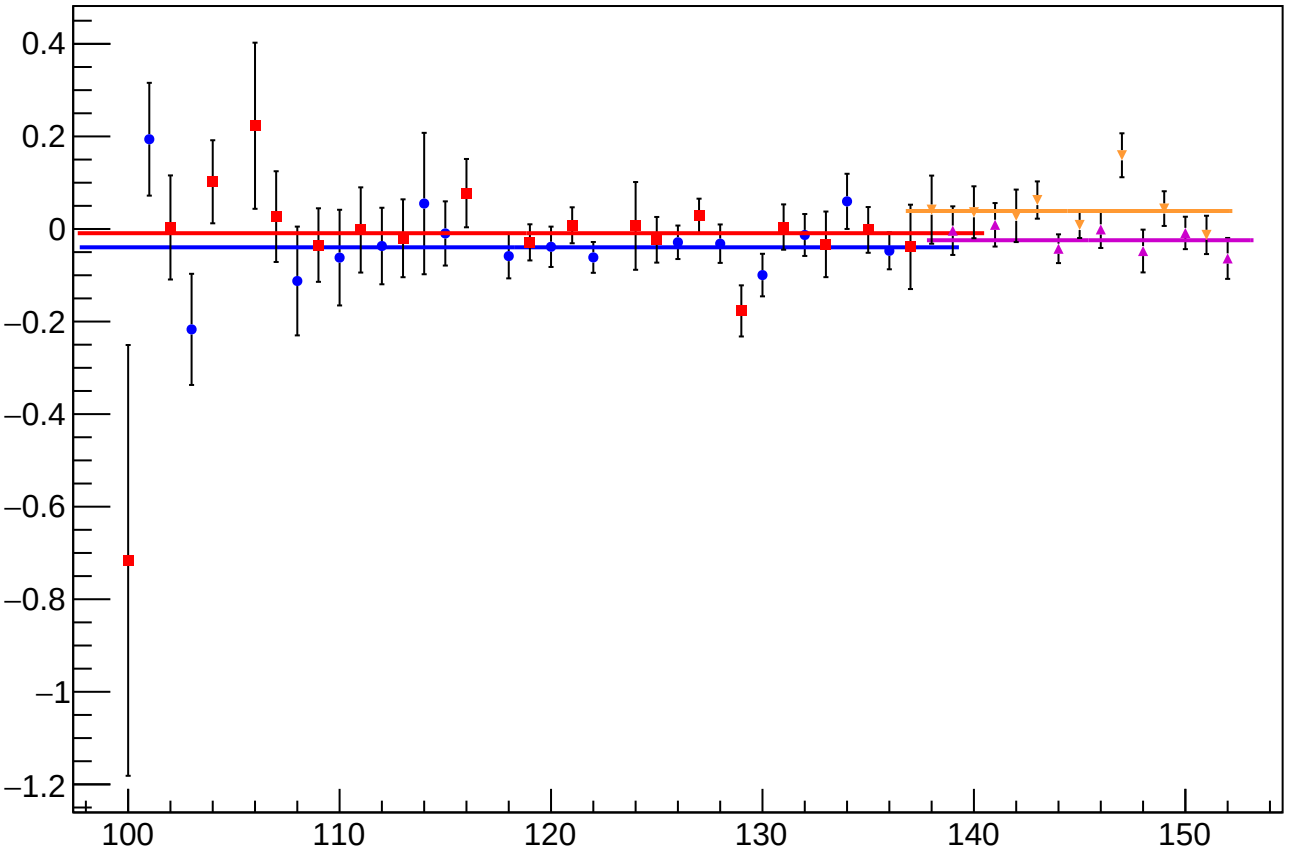
Left: 35.698+/-0.008 χ^2/NDF: 1157297.2/14

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.550+/-0.007 χ^2/NDF:2711347.6/22

Out: 35.277+/-0.007 χ^2/NDF:2629395.6/26

All: 34.385+/-0.005 χ^2/NDF: 5369718.6/49



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: -0.024+/-0.015 χ^2/NDF:2.6/6

Left: 0.008+/-0.011 χ^2/NDF: 20.8/14

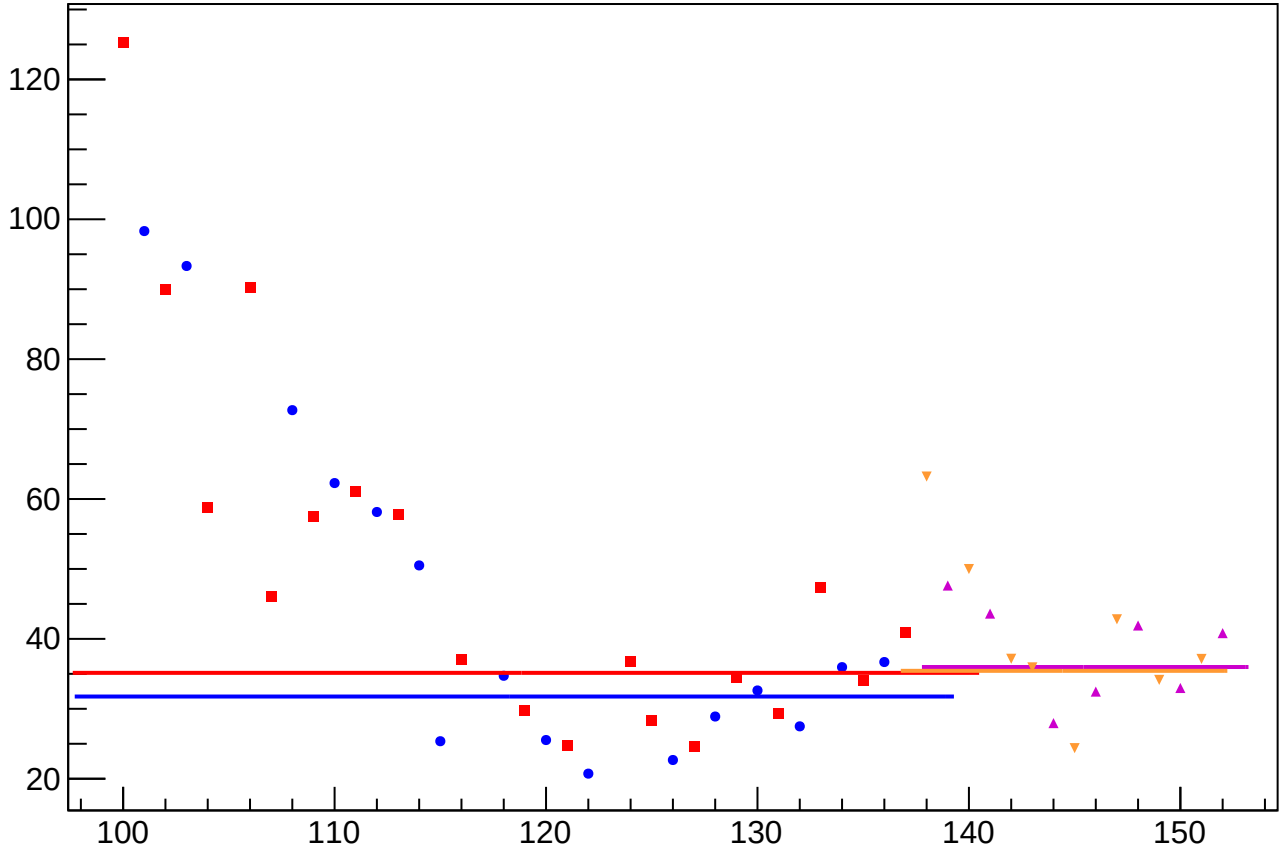
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.010 χ^2/NDF:15.6/22

Out: 0.013+/-0.010 χ^2/NDF:33.2/26

All: -0.011+/-0.007 χ^2/NDF: 59.3/49

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: 35.976+/-0.011 χ^2/NDF:371574.4/6

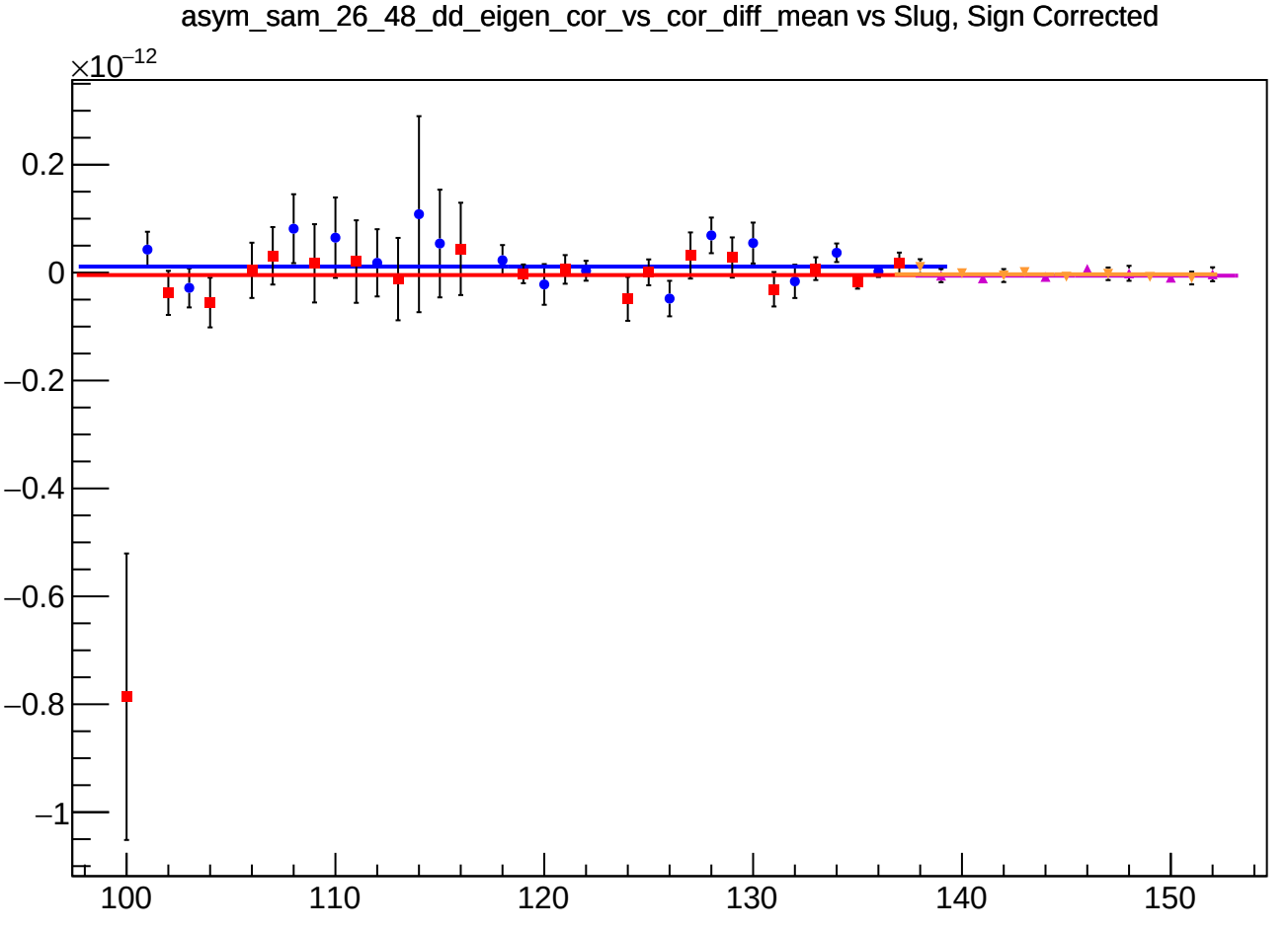
Left: 35.698+/-0.008 χ^2/NDF: 1157297.2/14

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.550+/-0.007 χ^2/NDF:2711347.6/22

Out: 35.277+/-0.007 χ^2/NDF:2629395.6/26

All: 34.385+/-0.005 χ^2/NDF: 5369718.6/49



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:2.9/6

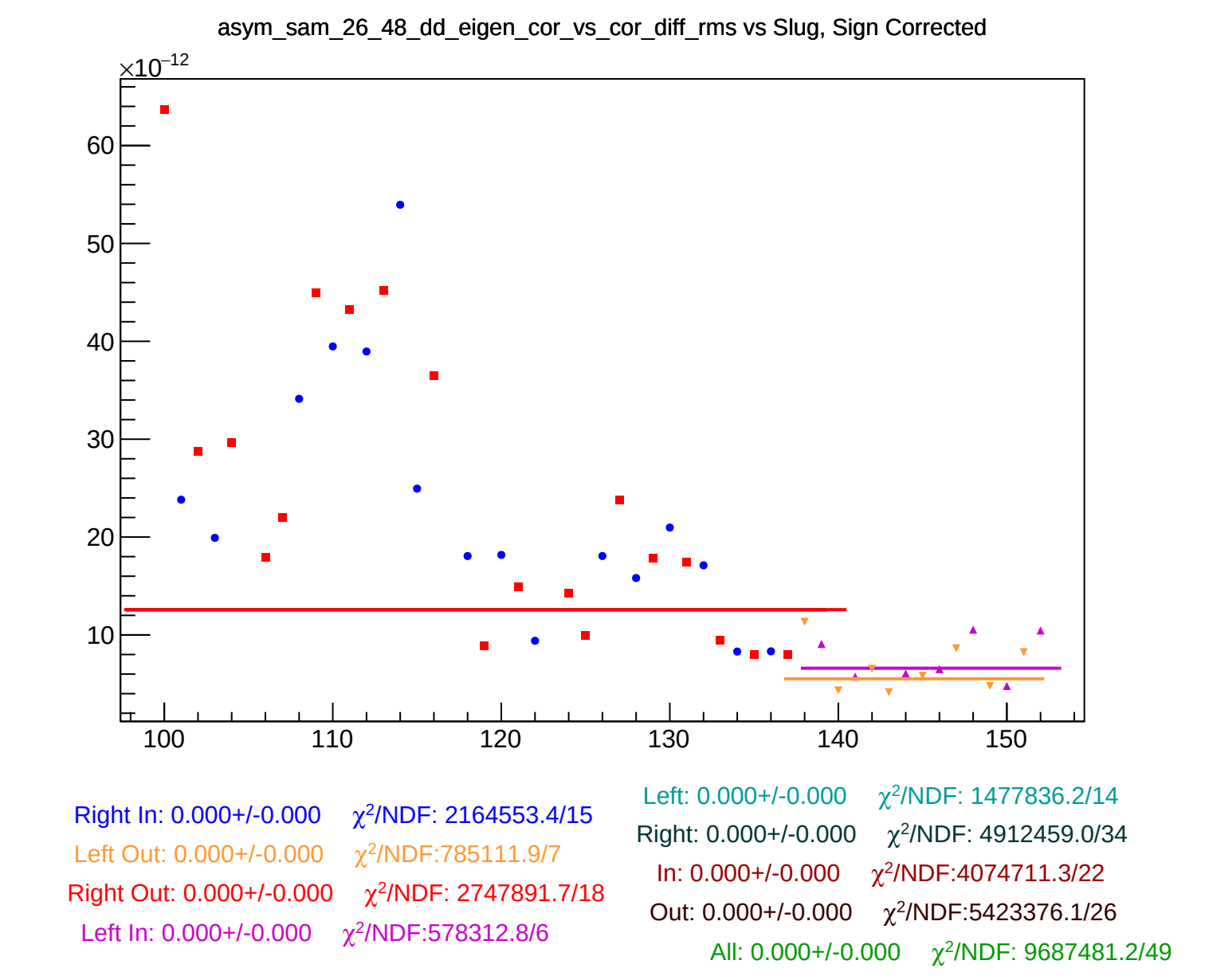
Left: -0.000+/-0.000 χ^2/NDF: 5.8/14

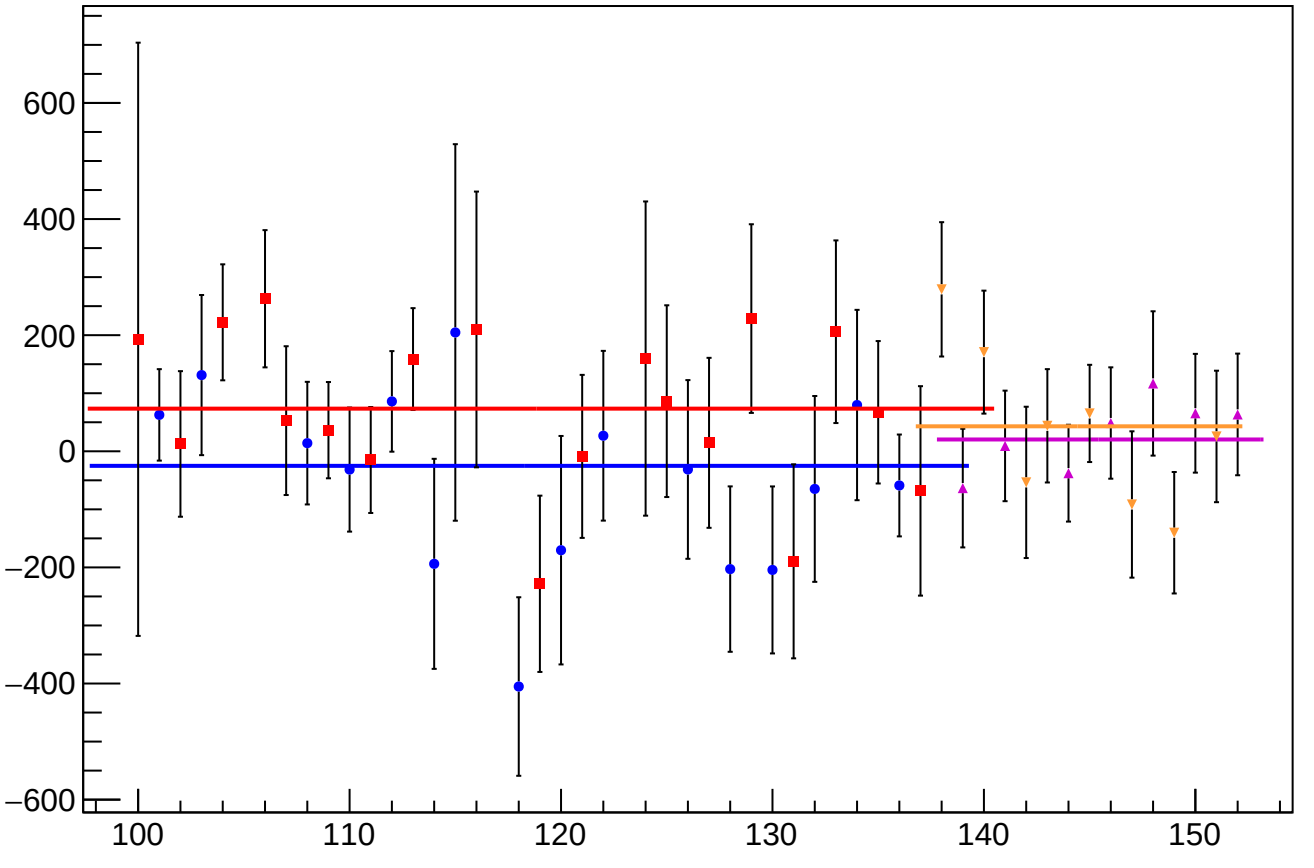
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:25.1/22

Out: -0.000+/-0.000 χ^2/NDF:20.1/26

All: -0.000+/-0.000 χ^2/NDF: 45.3/49


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:785111.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:578312.8/6
Left: 0.000+/-0.000 χ²/NDF: 1477836.2/14
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4074711.3/22
Out: 0.000+/-0.000 χ²/NDF:5423376.1/26
All: 0.000+/-0.000 χ²/NDF: 9687481.2/49



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: 20.343+/-37.530 χ^2/NDF:2.2/6

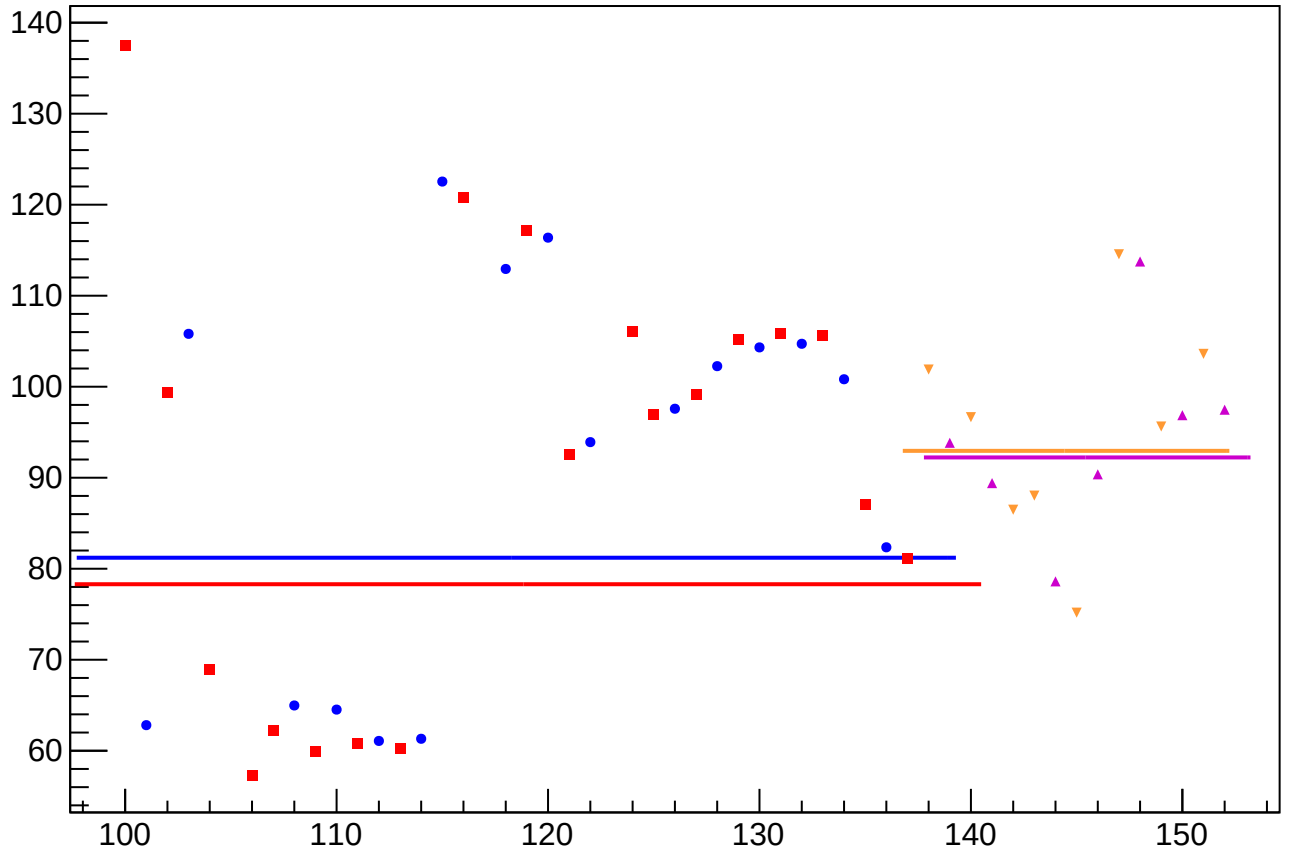
Left: 31.623+/-26.606 χ^2/NDF: 12.9/14

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -6.491+/-24.006 χ^2/NDF:19.3/22

Out: 61.698+/-23.449 χ^2/NDF:27.7/26

All: 28.403+/-16.774 χ^2/NDF: 51.1/49



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: 92.229+/-0.027 χ^2/NDF:125446.5/6

Left: 92.589+/-0.019 χ^2/NDF: 318115.8/14

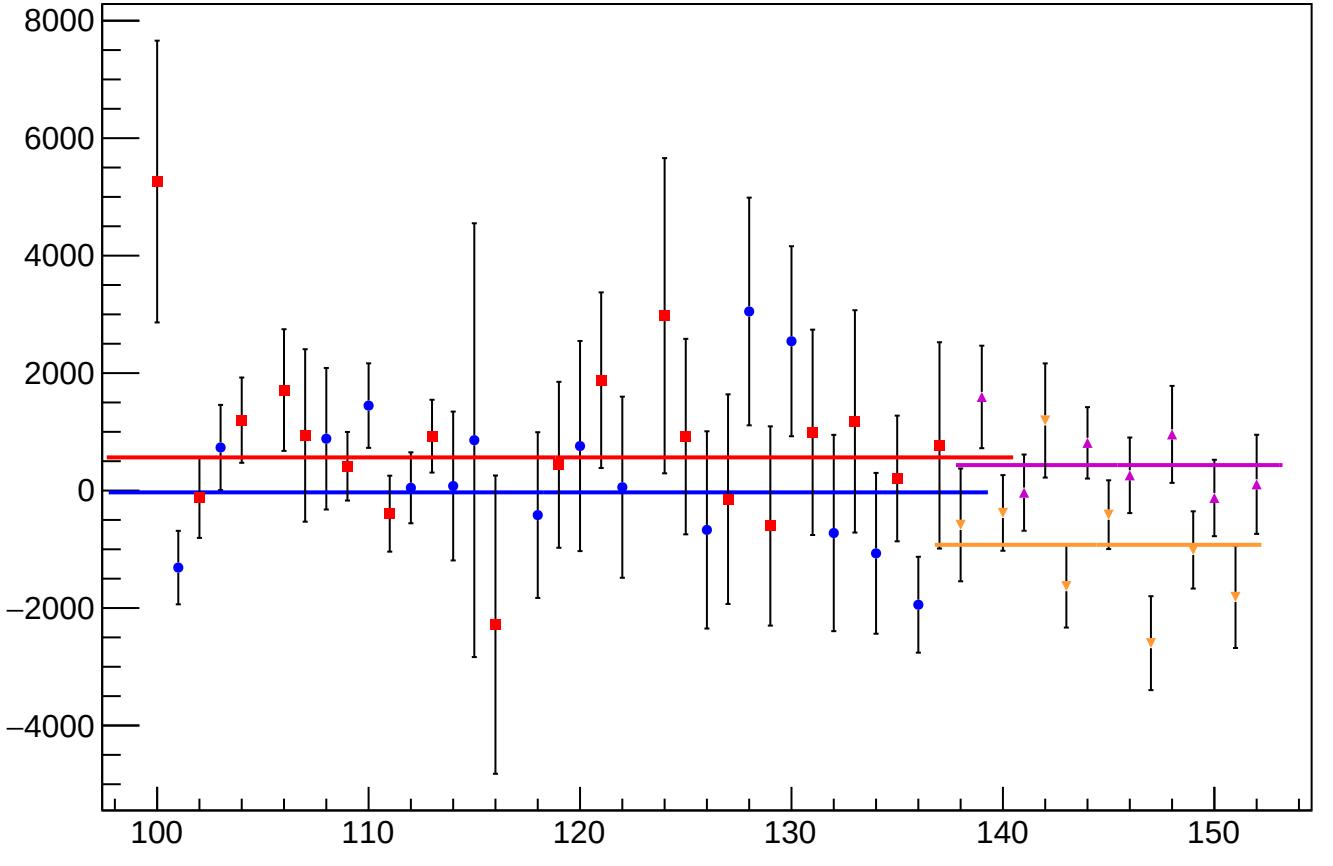
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 85.718+/-0.017 χ^2/NDF:1014995.4/22

Out: 83.960+/-0.017 χ^2/NDF:1312173.1/26

All: 84.818+/-0.012 χ^2/NDF: 2332656.3/49

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: 433.751+/-266.858 χ^2/NDF:4.0/6

Left: -259.904+/-186.587 χ^2/NDF: 30.0/14

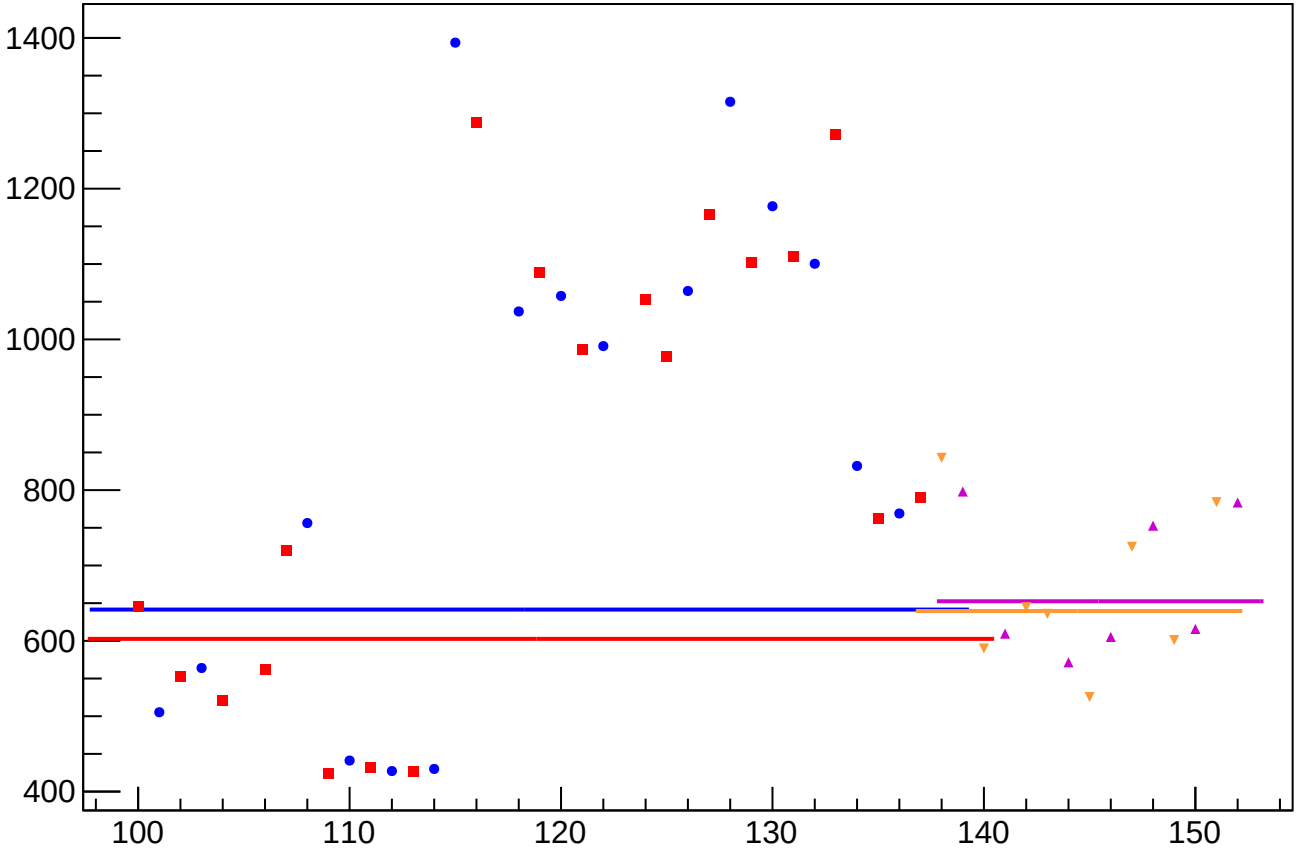
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 192.940+/-185.113 χ^2/NDF:27.5/22

Out: -112.351+/-176.056 χ^2/NDF:43.8/26

All: 32.644+/-127.572 χ^2/NDF: 72.7/49

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 639.599+/-0.185 χ^2/NDF:262440.3/7

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 652.523+/-0.189 χ^2/NDF:194926.3/6

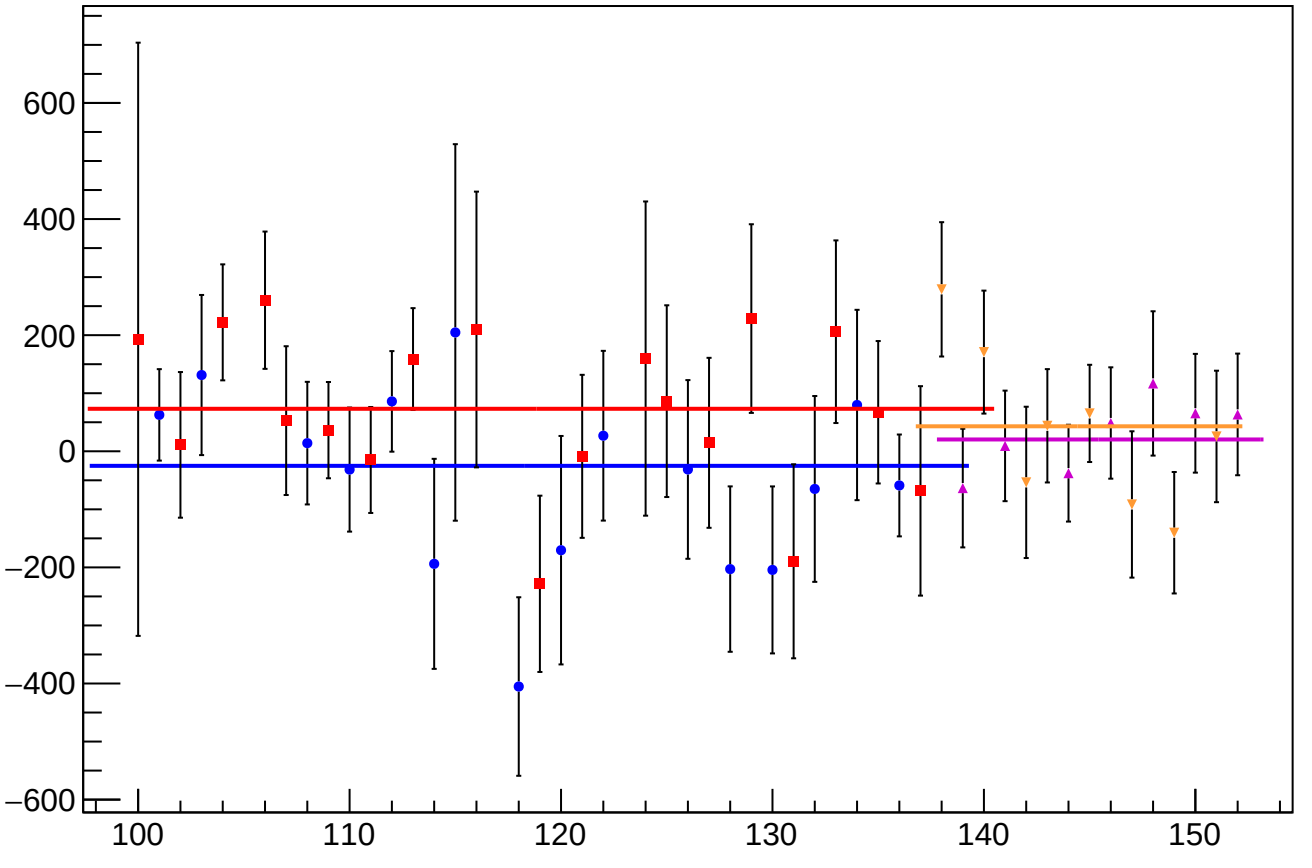
Left: 645.917+/-0.132 χ^2/NDF: 459764.2/14

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 646.803+/-0.131 χ^2/NDF:2071688.0/22

Out: 619.466+/-0.124 χ^2/NDF:2354588.8/26

All: 632.449+/-0.090 χ^2/NDF: 4449179.2/49



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: 20.345+/-37.530 χ^2/NDF:2.2/6

Left: 31.628+/-26.606 χ^2/NDF: 12.9/14

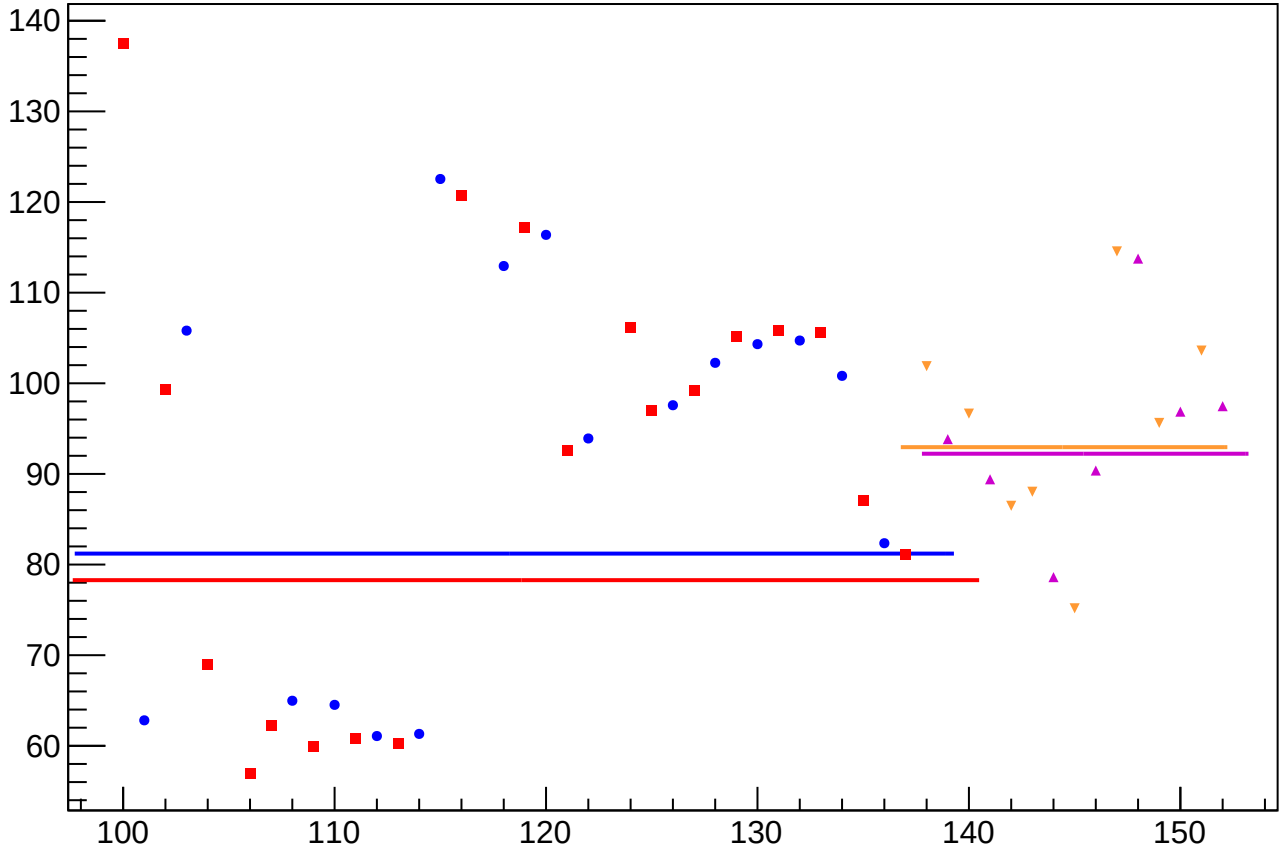
Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -6.492+/-24.006 χ^2/NDF:19.3/22

Out: 61.538+/-23.450 χ^2/NDF:27.6/26

All: 28.319+/-16.775 χ^2/NDF: 51.0/49

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: 92.229+/-0.027 χ^2/NDF:125446.5/6

Left: 92.589+/-0.019 χ^2/NDF: 318115.8/14

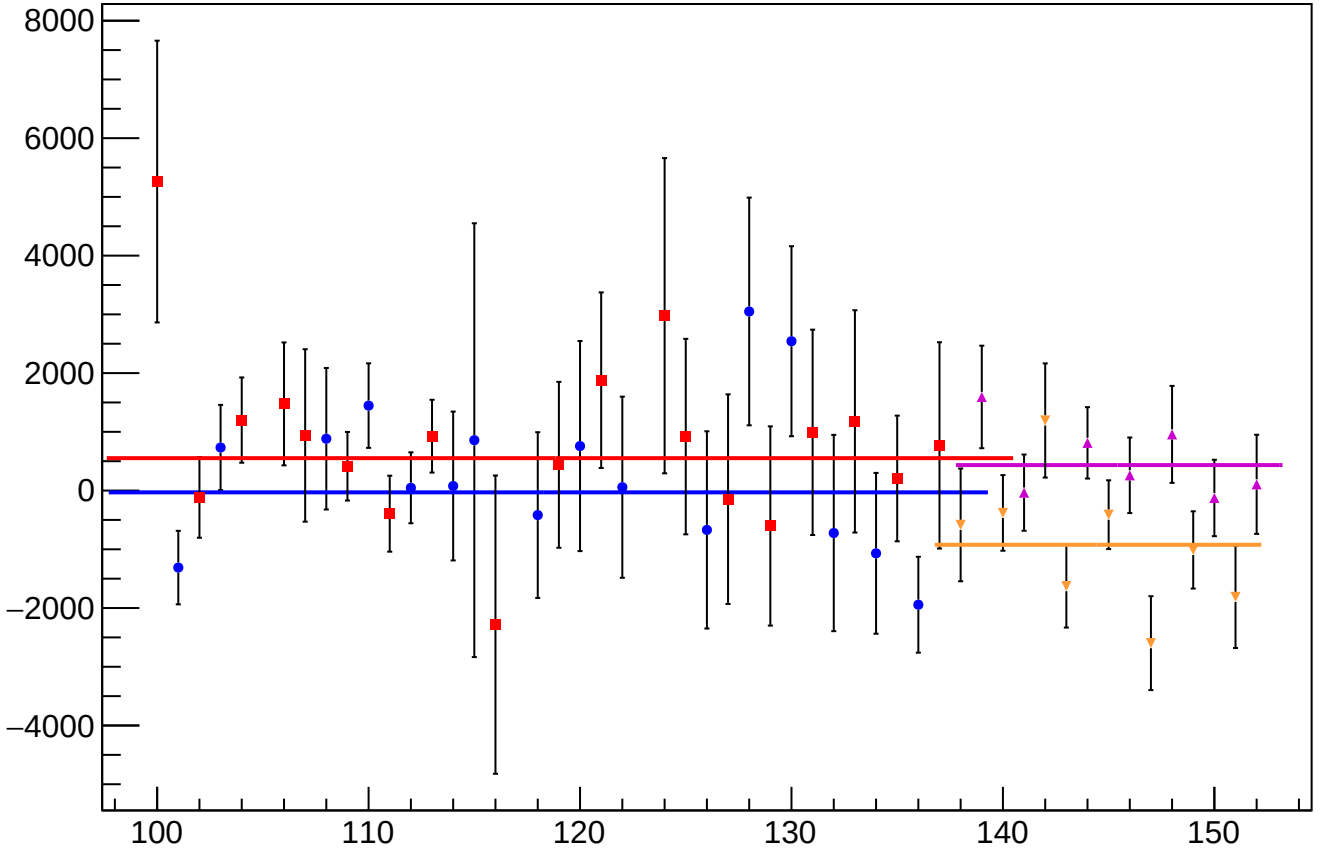
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 85.718+/-0.017 χ^2/NDF:1014997.4/22

Out: 83.949+/-0.017 χ^2/NDF:1314774.2/26

All: 84.813+/-0.012 χ^2/NDF: 2335328.3/49

asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -923.376+/-260.988 χ^2/NDF:12.8/7

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 433.758+/-266.858 χ^2/NDF:4.0/6

Left: -259.897+/-186.587 χ^2/NDF: 30.0/14

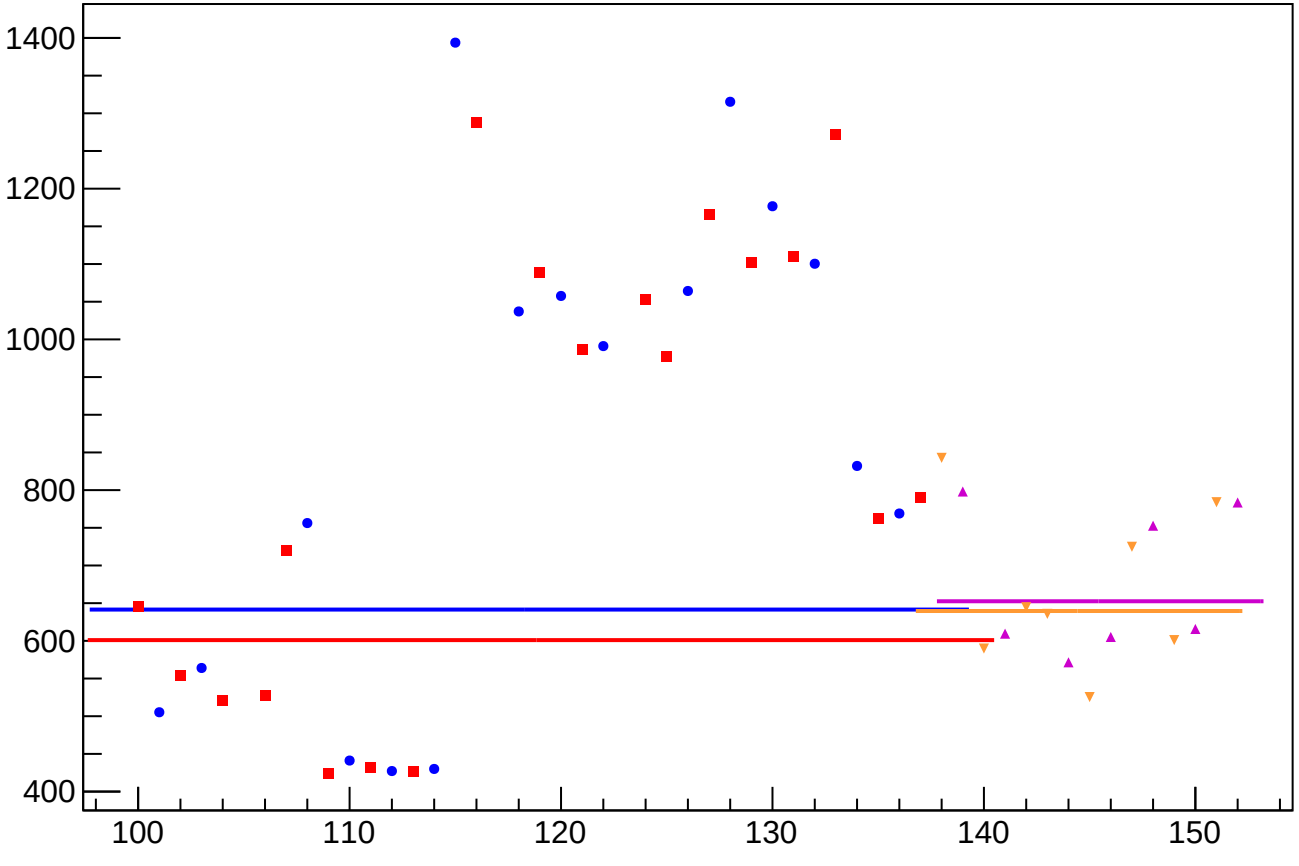
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 192.933+/-185.114 χ^2/NDF:27.5/22

Out: -119.854+/-176.116 χ^2/NDF:43.0/26

All: 28.752+/-127.595 χ^2/NDF: 72.0/49

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 639.599+/-0.185 χ^2/NDF:262442.4/7

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 652.523+/-0.189 χ^2/NDF:194925.1/6

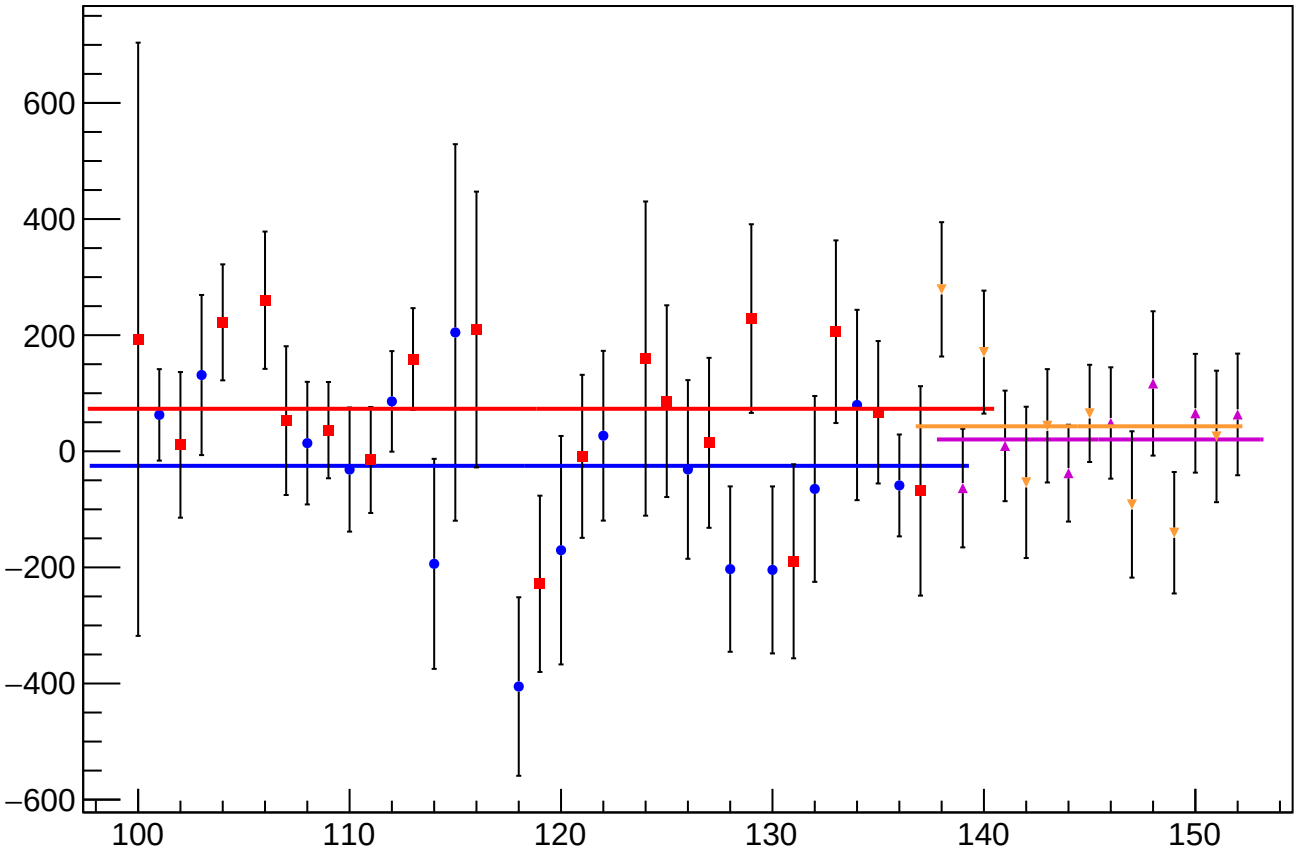
Left: 645.917+/-0.132 χ^2/NDF: 459765.1/14

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 646.808+/-0.131 χ^2/NDF:2071643.1/22

Out: 618.563+/-0.125 χ^2/NDF:2363531.4/26

All: 631.982+/-0.090 χ^2/NDF: 4459614.8/49



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: 20.345+/-37.530 χ^2/NDF:2.2/6

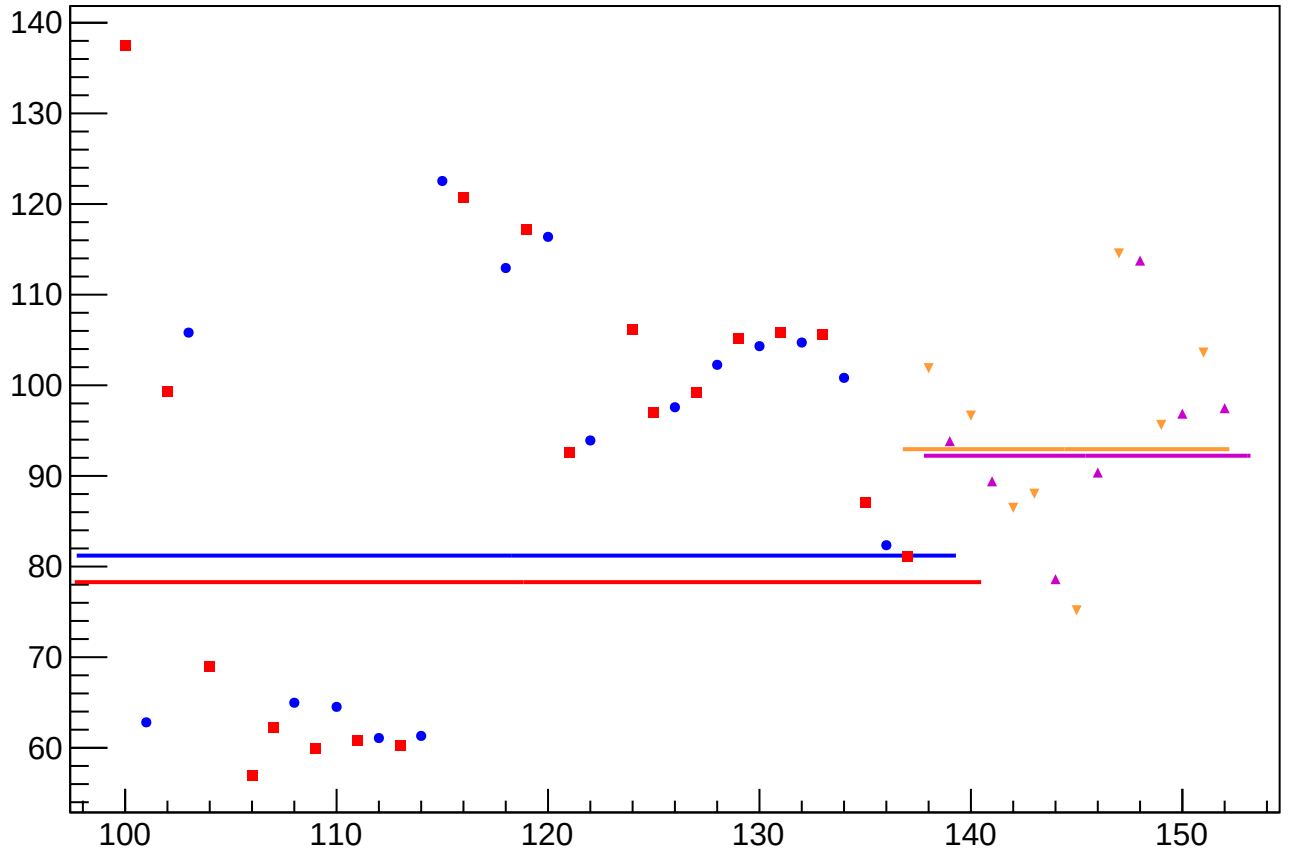
Left: 31.628+/-26.606 χ^2/NDF: 12.9/14

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -6.492+/-24.006 χ^2/NDF:19.3/22

Out: 61.538+/-23.450 χ^2/NDF:27.6/26

All: 28.319+/-16.775 χ^2/NDF: 51.0/49



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: 92.229+/-0.027 χ^2/NDF:125446.5/6

Left: 92.589+/-0.019 χ^2/NDF: 318115.8/14

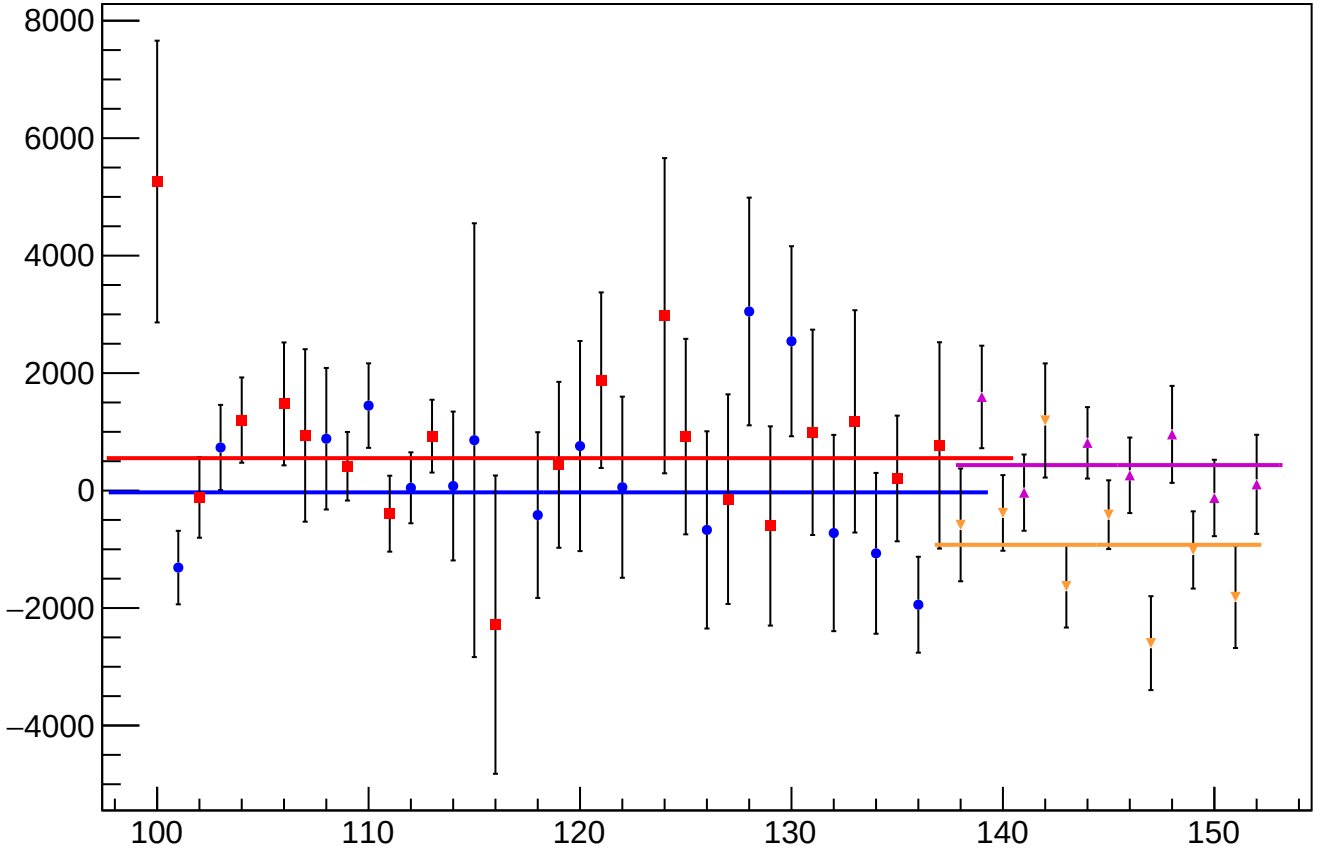
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 85.718+/-0.017 χ^2/NDF:1014997.4/22

Out: 83.949+/-0.017 χ^2/NDF:1314774.2/26

All: 84.813+/-0.012 χ^2/NDF: 2335328.3/49

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: 433.758+/-266.858 χ^2/NDF:4.0/6

Left: -259.897+/-186.587 χ^2/NDF: 30.0/14

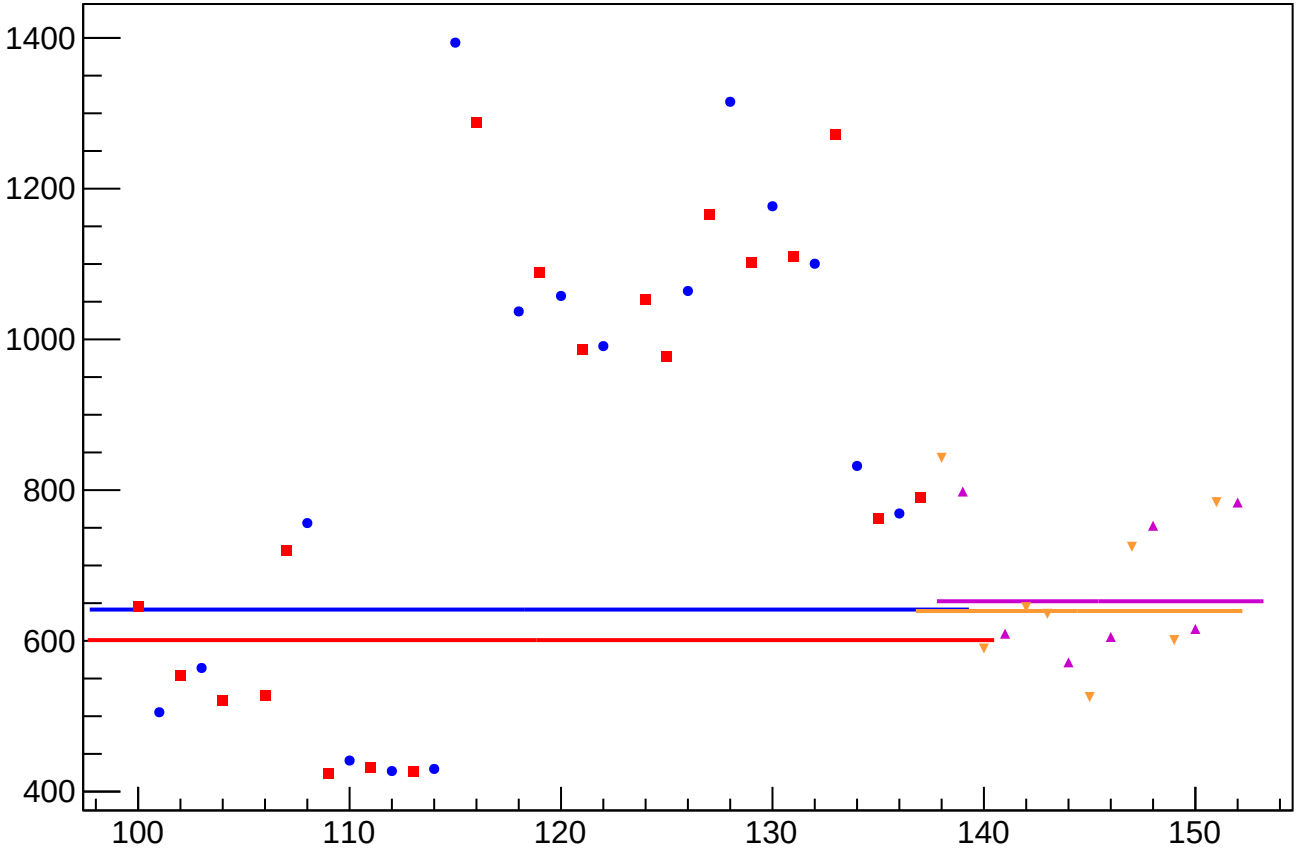
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 192.933+/-185.114 χ^2/NDF:27.5/22

Out: -119.854+/-176.116 χ^2/NDF:43.0/26

All: 28.752+/-127.595 χ^2/NDF: 72.0/49

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: 652.523+/-0.189 χ^2/NDF:194925.1/6

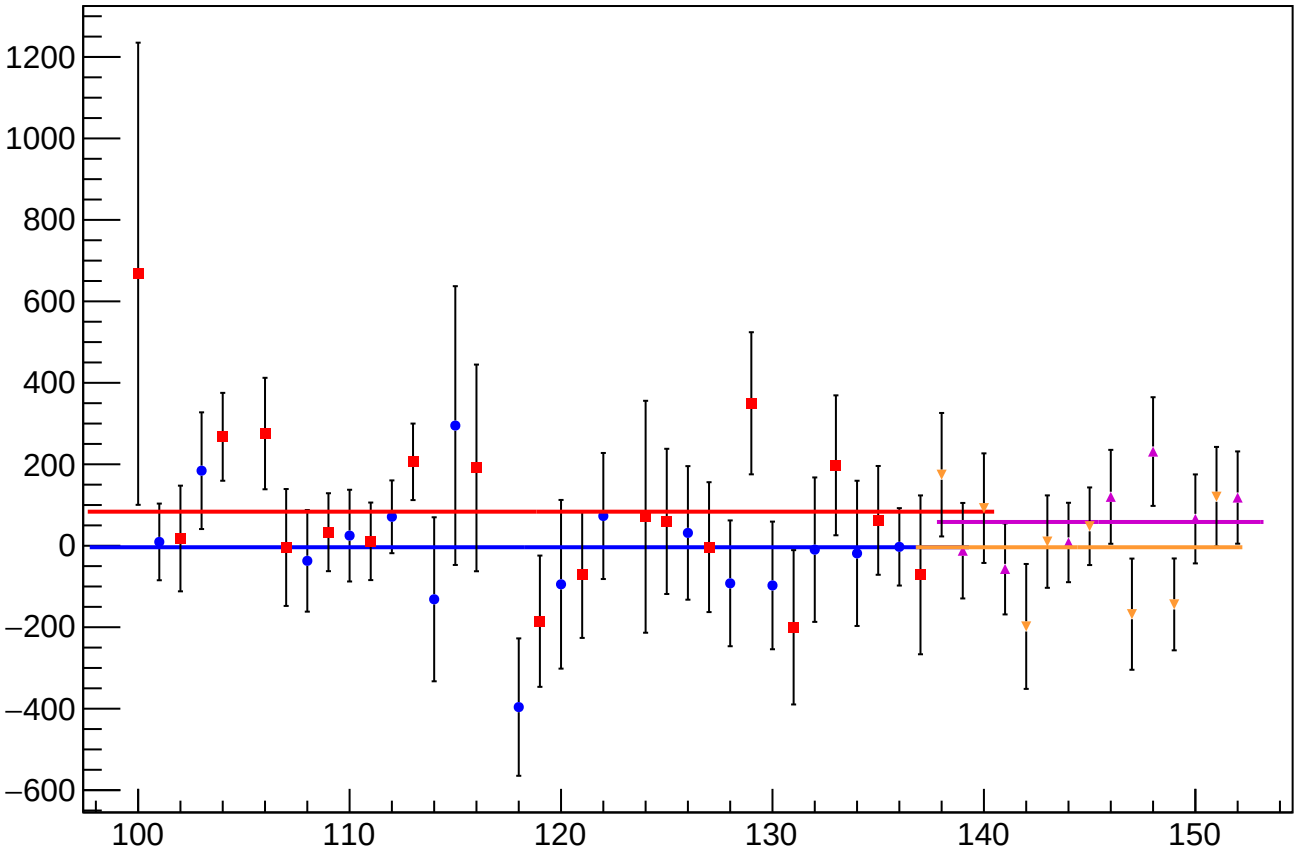
Left: 645.917+/-0.132 χ^2/NDF: 459765.1/14

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 646.808+/-0.131 χ^2/NDF:2071643.1/22

Out: 618.563+/-0.125 χ^2/NDF:2363531.4/26

All: 631.982+/-0.090 χ^2/NDF: 4459614.8/49



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: 58.385+/-42.589 χ^2/NDF:3.9/6

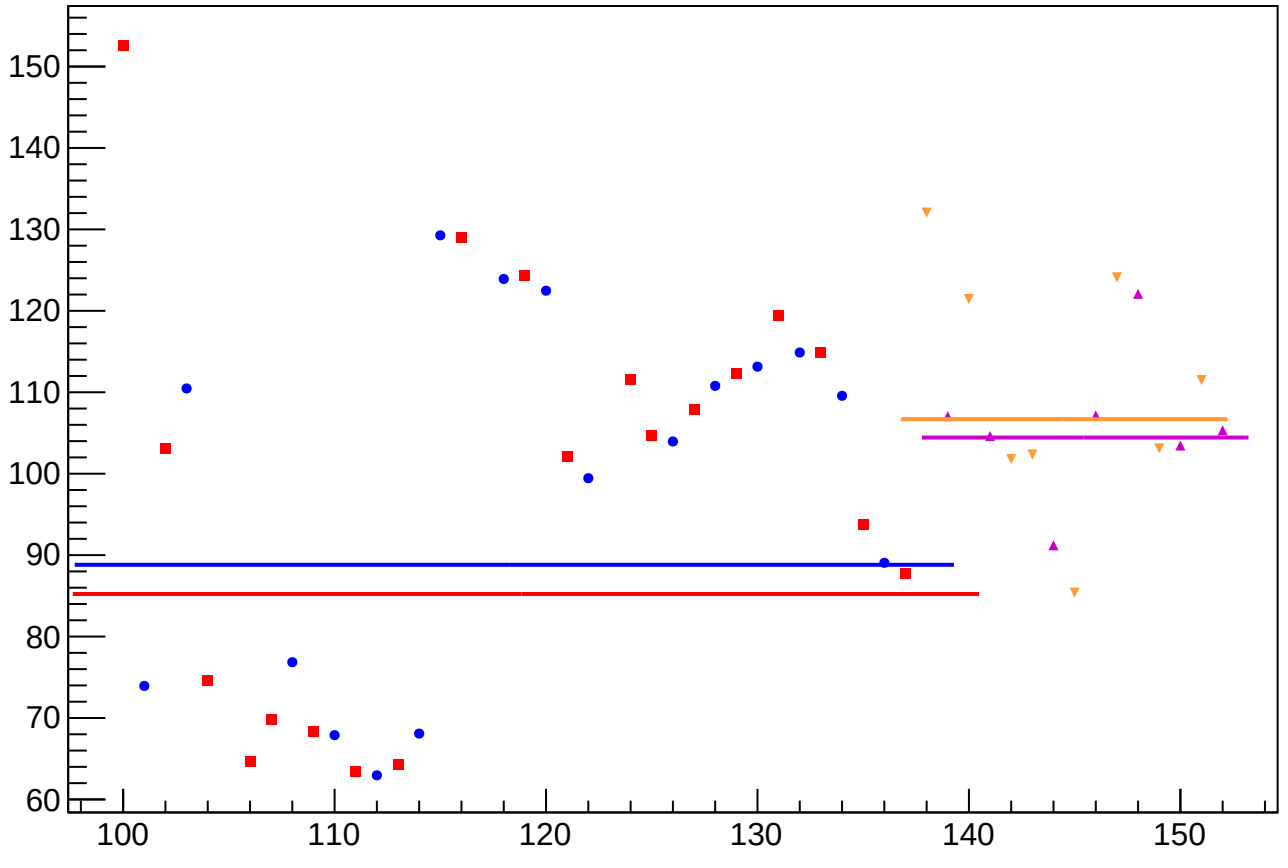
Left: 28.019+/-30.434 χ^2/NDF: 12.8/14

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 20.638+/-26.644 χ^2/NDF:15.6/22

Out: 52.229+/-26.105 χ^2/NDF:29.5/26

All: 36.756+/-18.647 χ^2/NDF: 45.8/49



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: 104.439+/-0.030 χ^2/NDF:74243.2/6

Left: 105.545+/-0.022 χ^2/NDF: 299605.8/14

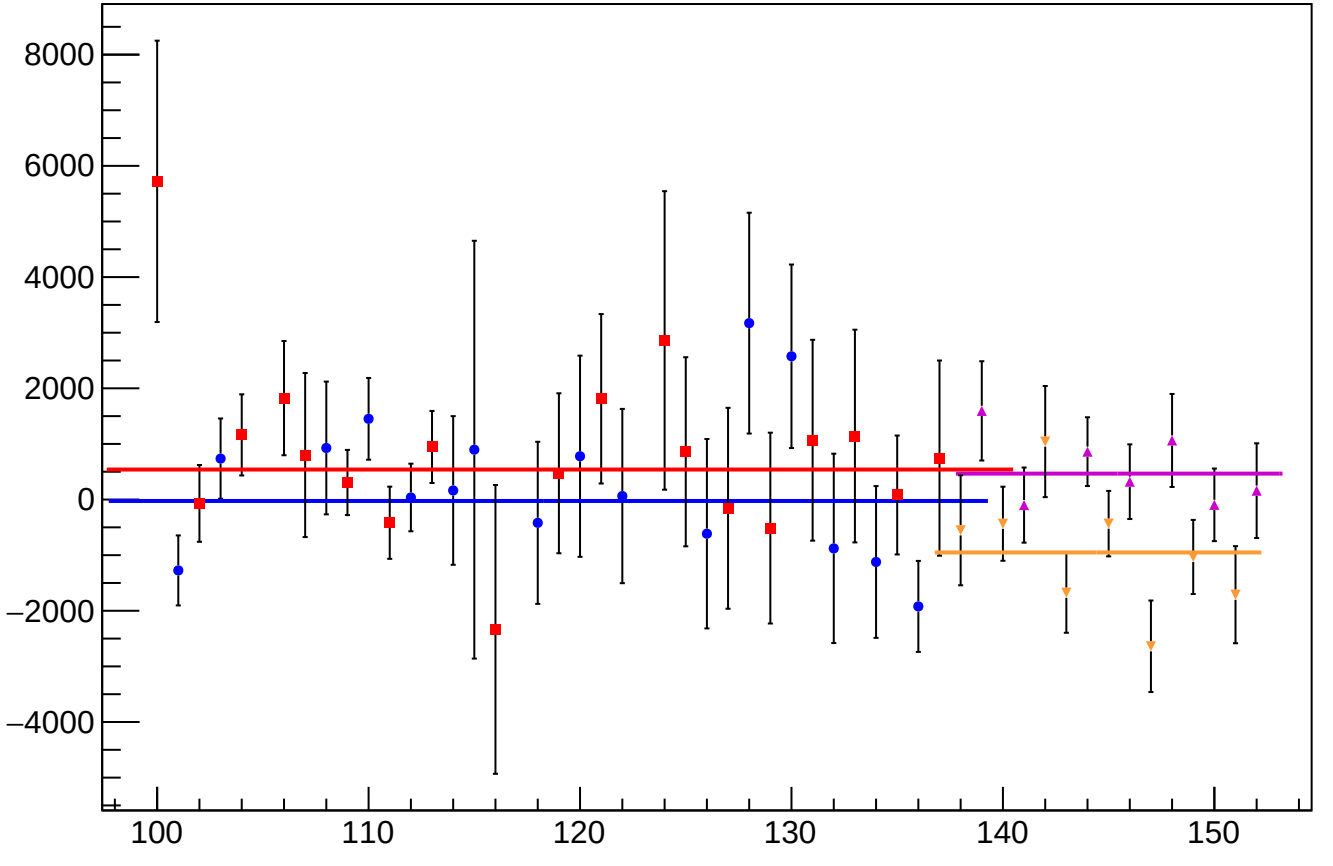
Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 94.929+/-0.019 χ^2/NDF:962715.9/22

Out: 92.956+/-0.018 χ^2/NDF:1418492.8/26

All: 93.922+/-0.013 χ^2/NDF: 2386804.1/49

asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -951.516+/-266.026 χ^2/NDF:11.5/7

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 466.210+/-272.826 χ^2/NDF:4.1/6

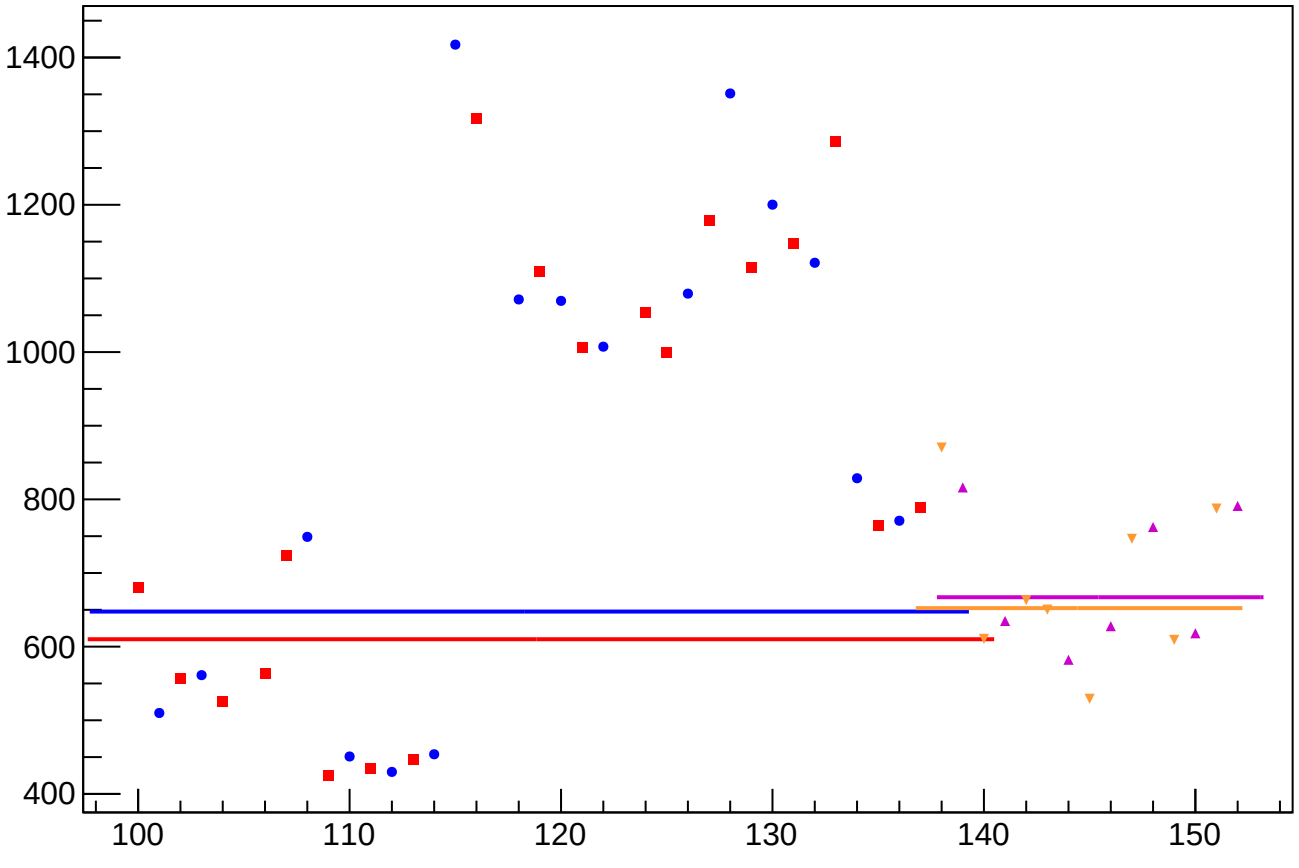
Left: -260.541+/-190.467 χ^2/NDF: 29.5/14

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 207.818+/-187.991 χ^2/NDF:27.4/22

Out: -133.248+/-178.704 χ^2/NDF:42.4/26

All: 28.652+/-129.521 χ^2/NDF: 71.5/49



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: 667.078+/-0.193 χ^2/NDF:184564.7/6

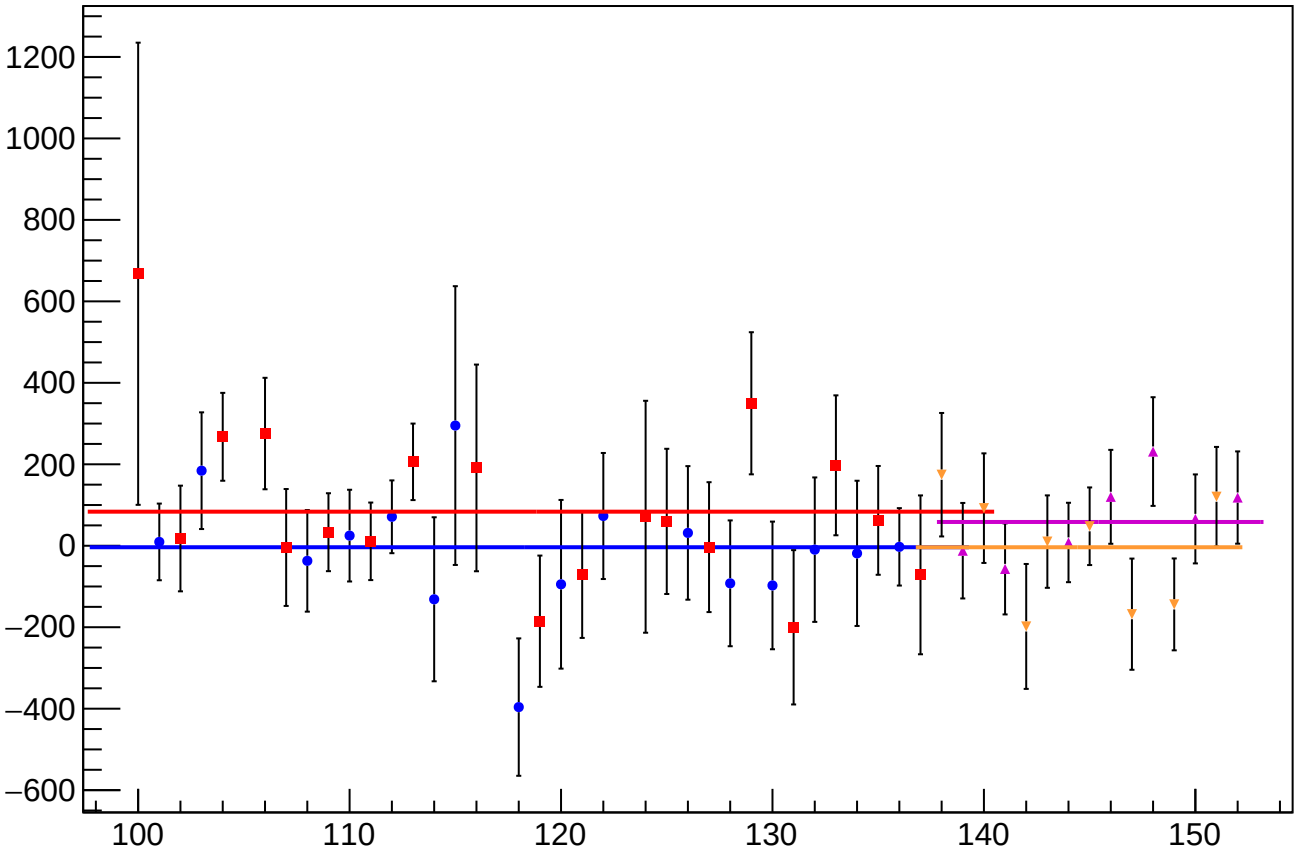
Left: 659.502+/-0.135 χ^2/NDF: 462857.2/14

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 656.869+/-0.133 χ^2/NDF:2077712.4/22

Out: 629.120+/-0.126 χ^2/NDF:2377198.2/26

All: 642.292+/-0.092 χ^2/NDF: 4477802.0/49



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: 58.386+/-42.589 χ^2/NDF:3.9/6

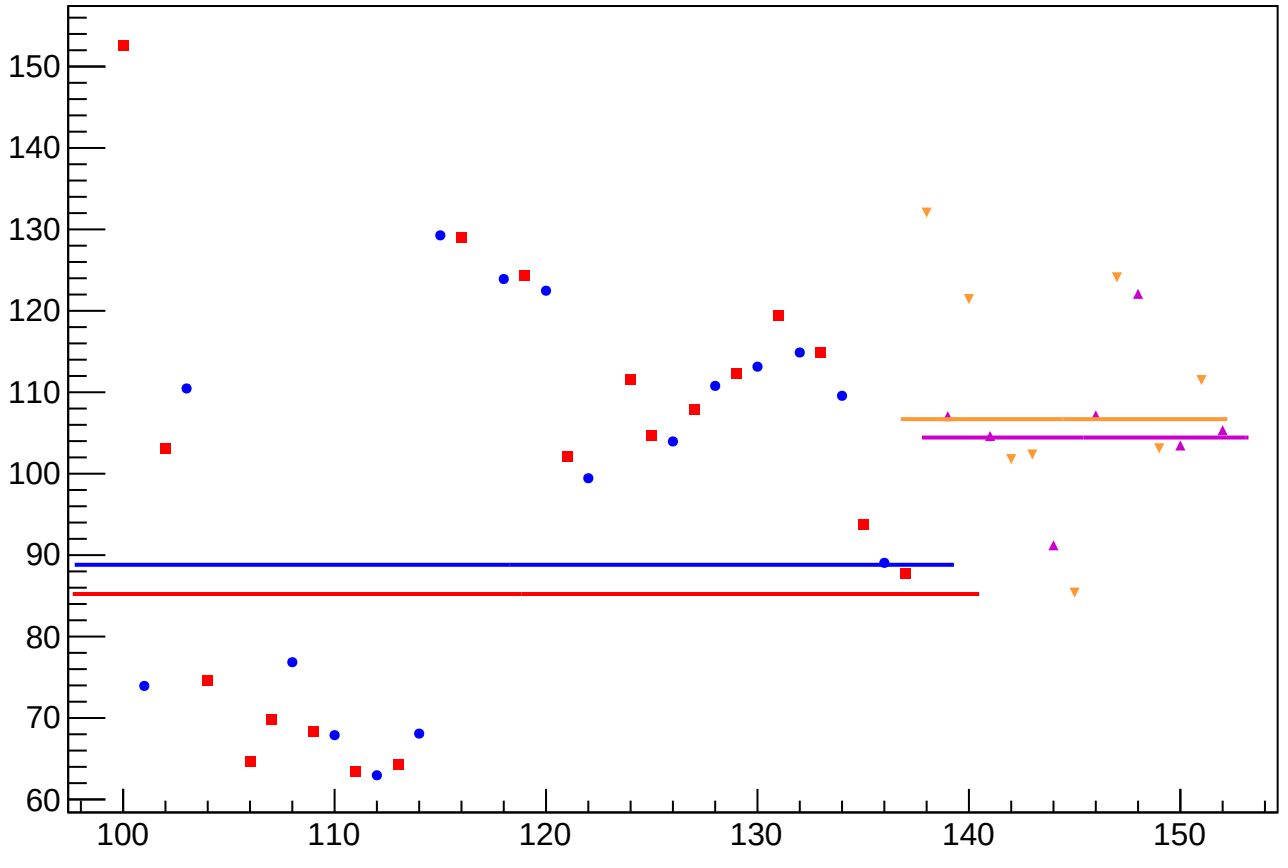
Left: 28.019+/-30.435 χ^2/NDF: 12.8/14

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 20.639+/-26.644 χ^2/NDF:15.6/22

Out: 52.229+/-26.105 χ^2/NDF:29.5/26

All: 36.756+/-18.647 χ^2/NDF: 45.8/49



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: 104.440+/-0.030 χ^2/NDF:74243.0/6

Left: 105.545+/-0.022 χ^2/NDF: 299604.0/14

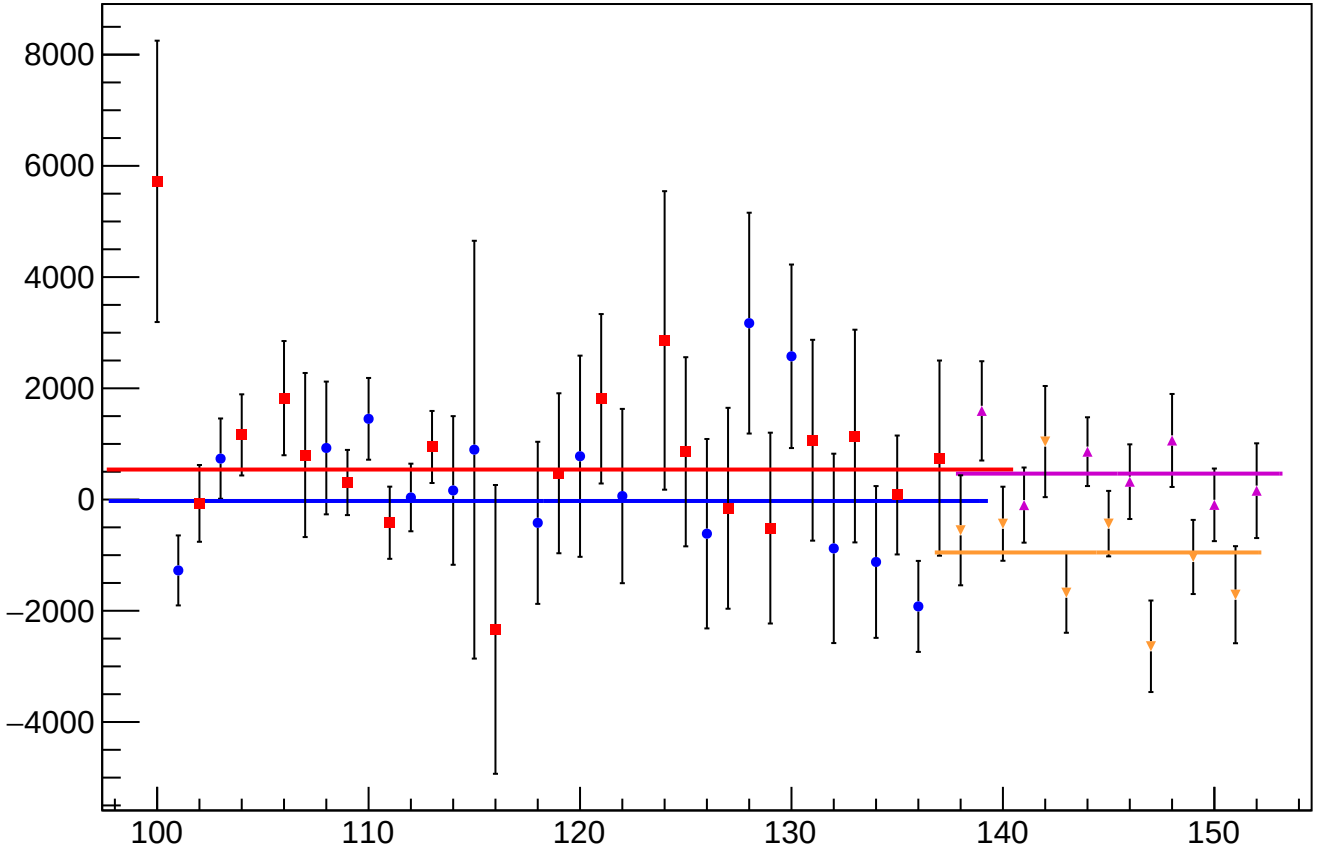
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 94.929+/-0.019 χ^2/NDF:962721.2/22

Out: 92.956+/-0.018 χ^2/NDF:1418500.6/26

All: 93.922+/-0.013 χ^2/NDF: 2386817.3/49

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: 466.210+/-272.826 χ^2/NDF:4.1/6

Left: -260.541+/-190.467 χ^2/NDF: 29.5/14

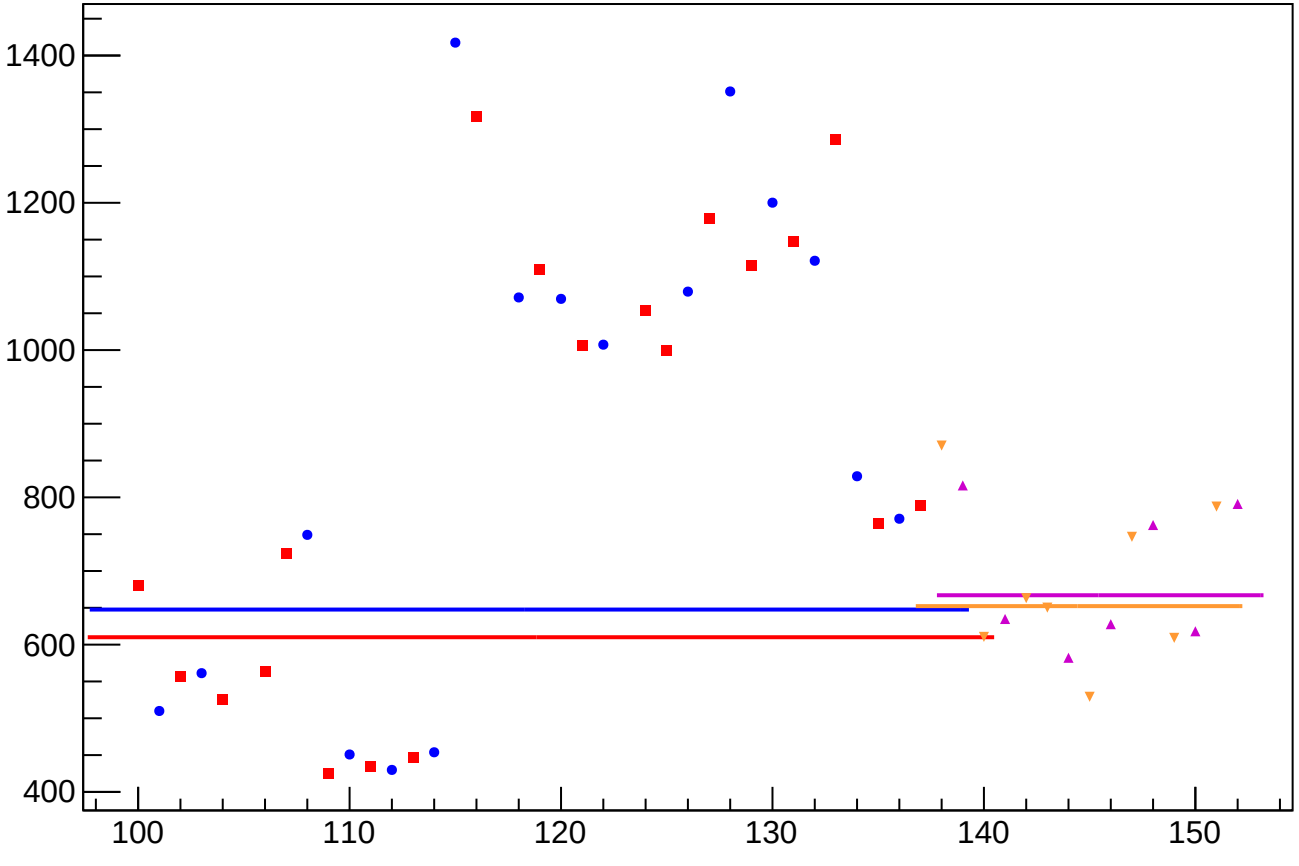
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 207.818+/-187.991 χ^2/NDF:27.4/22

Out: -133.248+/-178.703 χ^2/NDF:42.4/26

All: 28.652+/-129.521 χ^2/NDF: 71.5/49

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: 667.078+/-0.193 χ^2/NDF:184563.8/6

Left: 659.502+/-0.135 χ^2/NDF: 462858.2/14

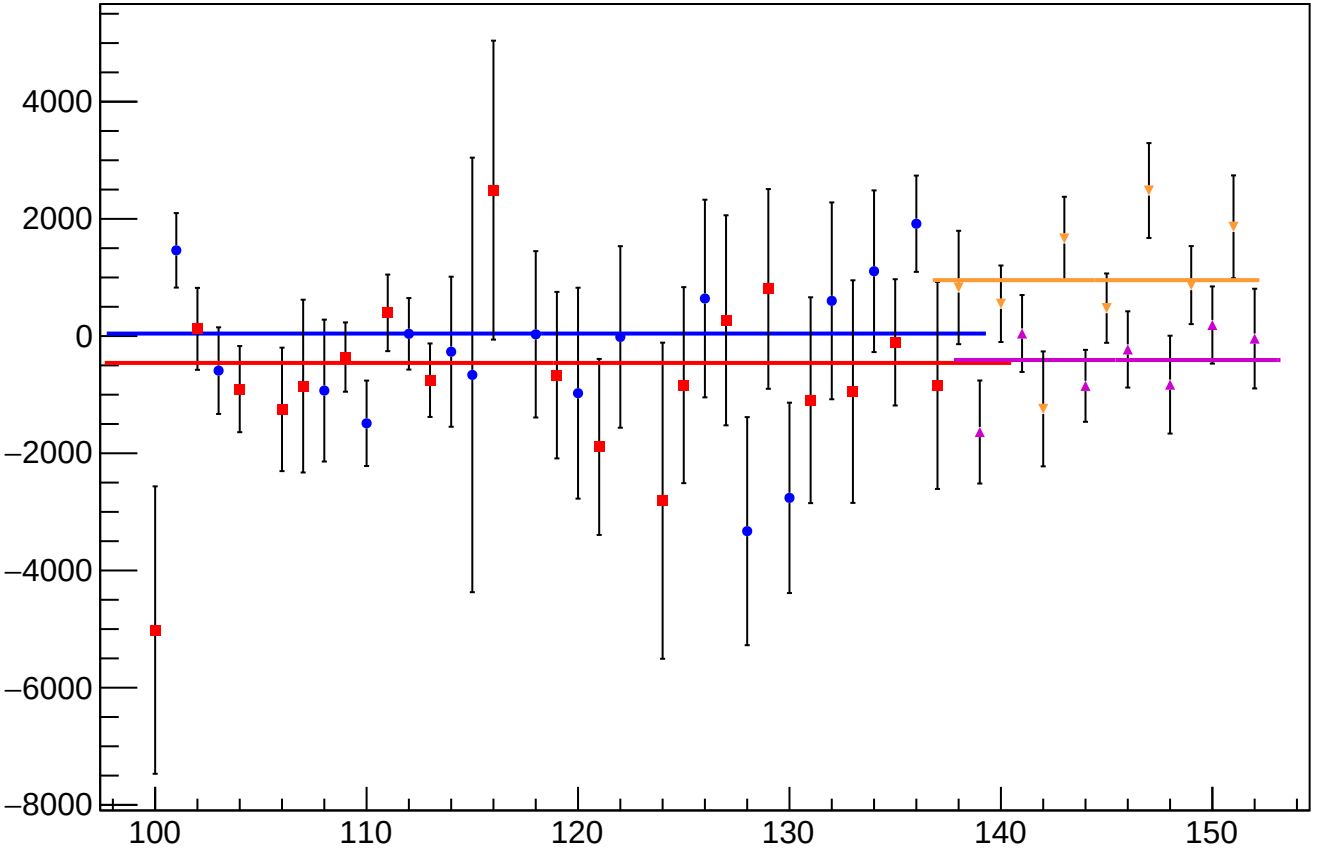
Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 656.869+/-0.133 χ^2/NDF:2077716.7/22

Out: 629.120+/-0.126 χ^2/NDF:2377203.4/26

All: 642.292+/-0.092 χ^2/NDF: 4477811.7/49

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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: -408.629+/-269.627 χ^2/NDF:4.3/6

Left: 287.661+/-188.581 χ^2/NDF: 29.1/14

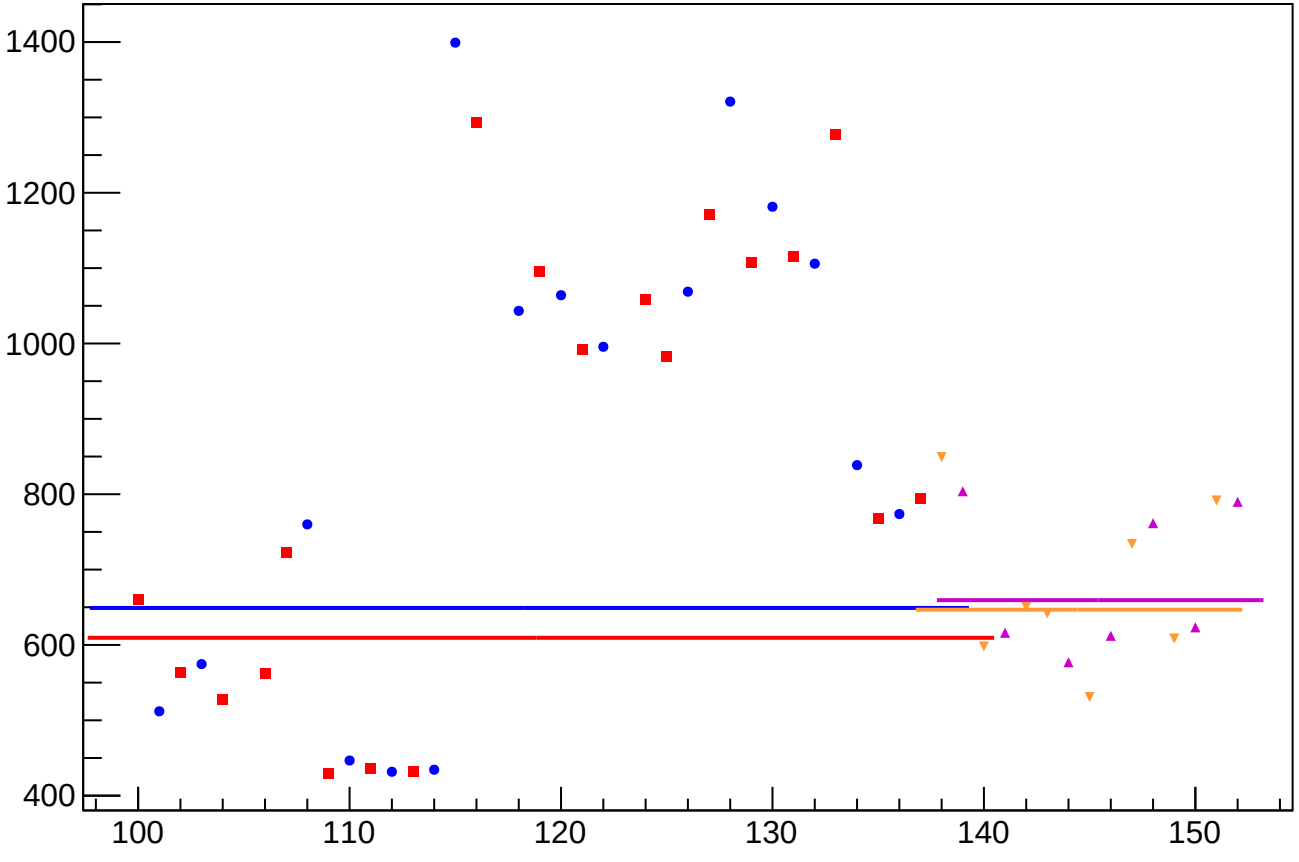
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -174.353+/-187.082 χ^2/NDF:29.0/22

Out: 184.699+/-177.992 χ^2/NDF:38.6/26

All: 14.108+/-128.953 χ^2/NDF: 69.5/49

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: 659.425+/-0.191 χ^2/NDF:192335.0/6

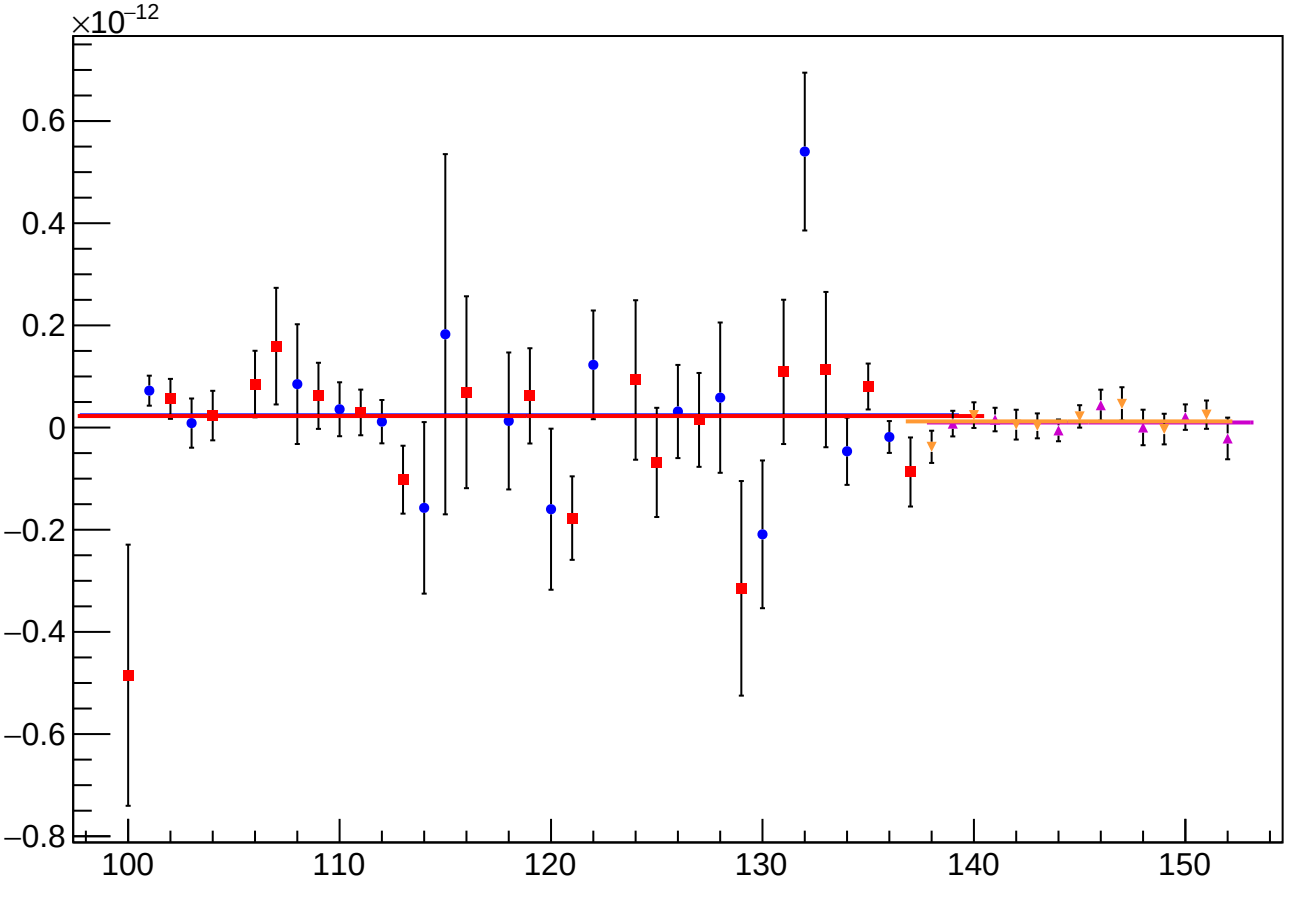
Left: 652.954+/-0.133 χ^2/NDF: 454611.9/14

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 654.066+/-0.132 χ^2/NDF:2039674.1/22

Out: 626.464+/-0.126 χ^2/NDF:2325326.2/26

All: 639.578+/-0.091 χ^2/NDF: 4387851.2/49



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:2.7/6

Left: 0.000+/-0.000 χ^2/NDF: 7.4/14

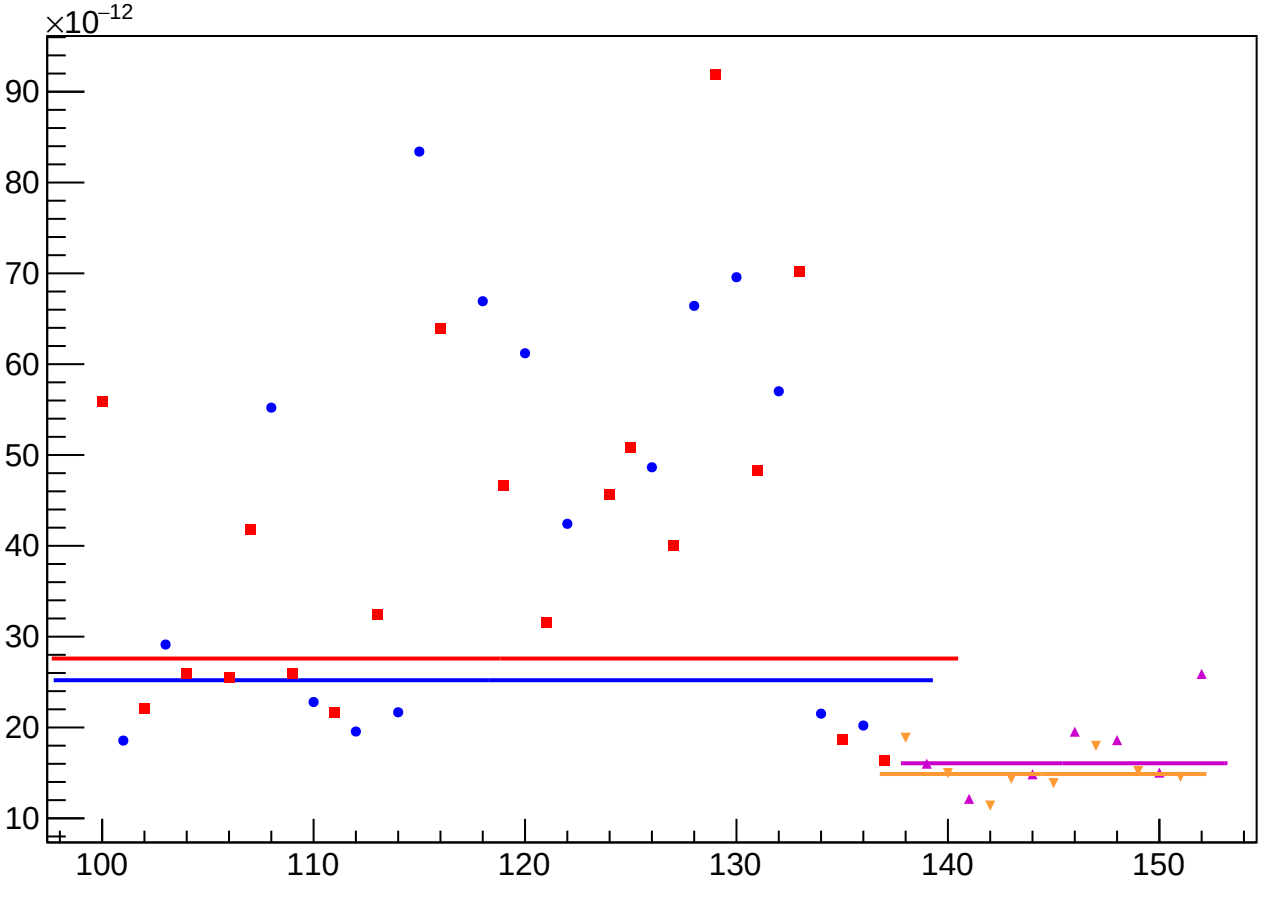
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:26.9/22

Out: 0.000+/-0.000 χ^2/NDF:30.7/26

All: 0.000+/-0.000 χ^2/NDF: 57.6/49

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:84122.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:221005.0/6

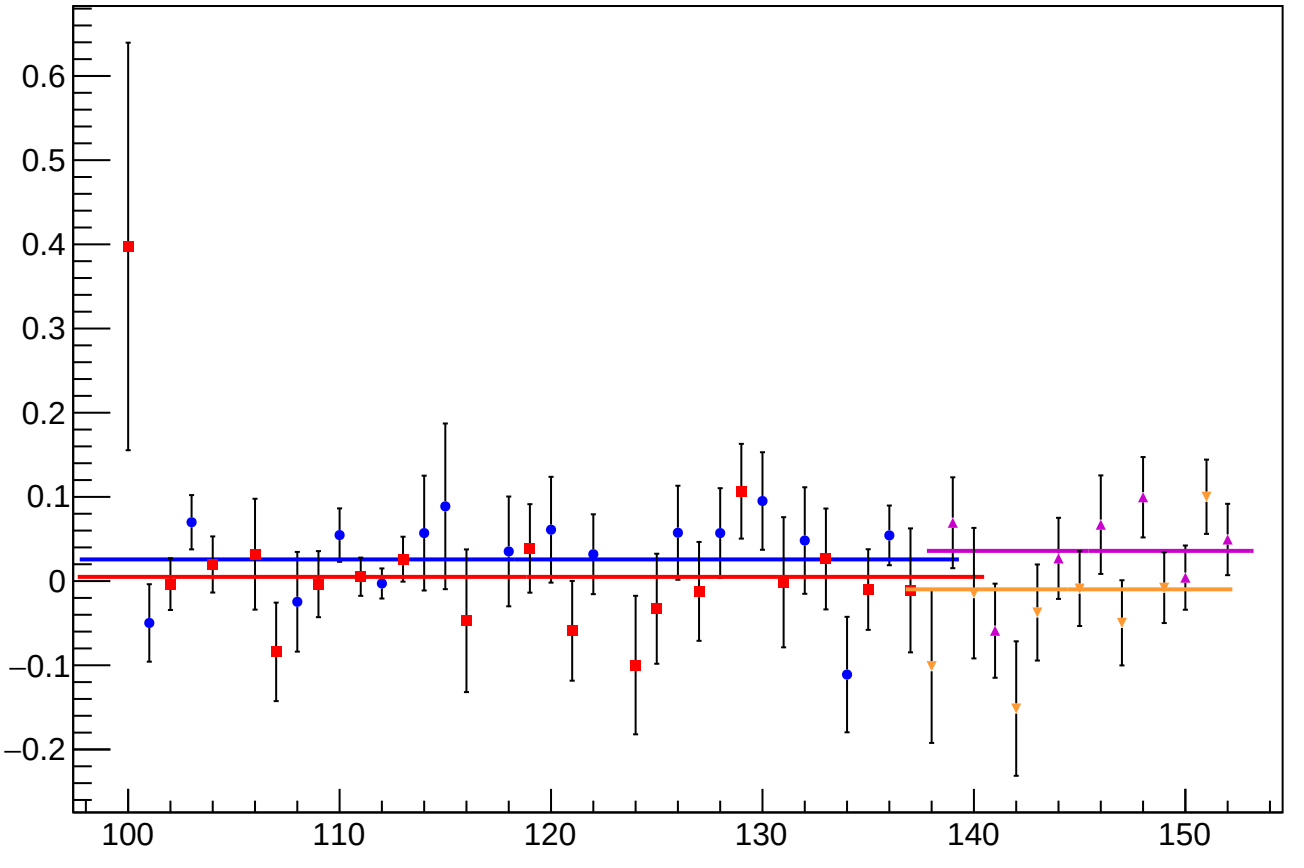
Left: 0.000+/-0.000 χ^2/NDF: 319581.6/14

Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2034481.7/22

Out: 0.000+/-0.000 χ^2/NDF:1972939.2/26

All: 0.000+/-0.000 χ^2/NDF: 4015001.5/49



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: 0.036+/-0.018 χ^2/NDF:6.2/6

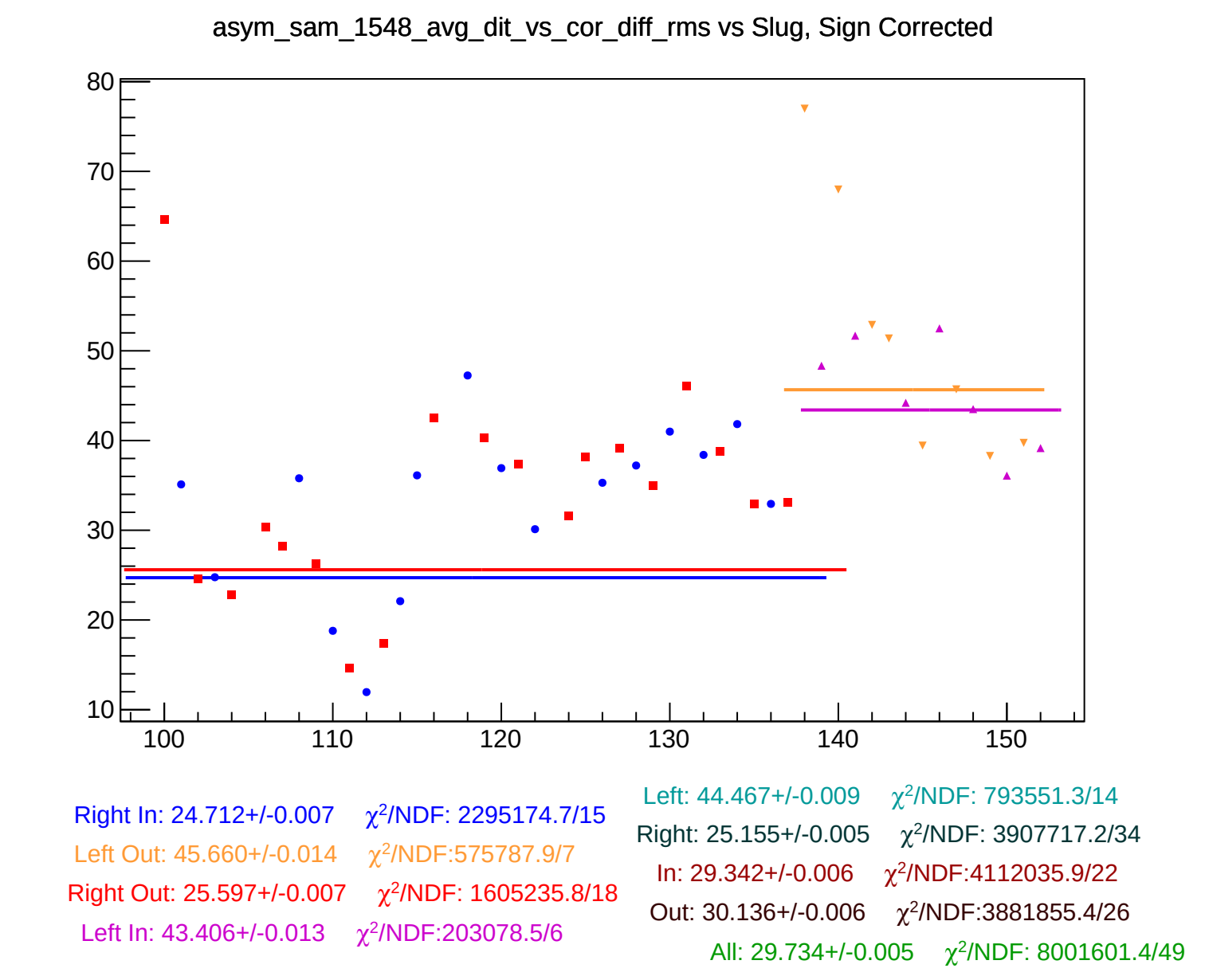
Left: 0.014+/-0.013 χ^2/NDF: 20.4/14

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

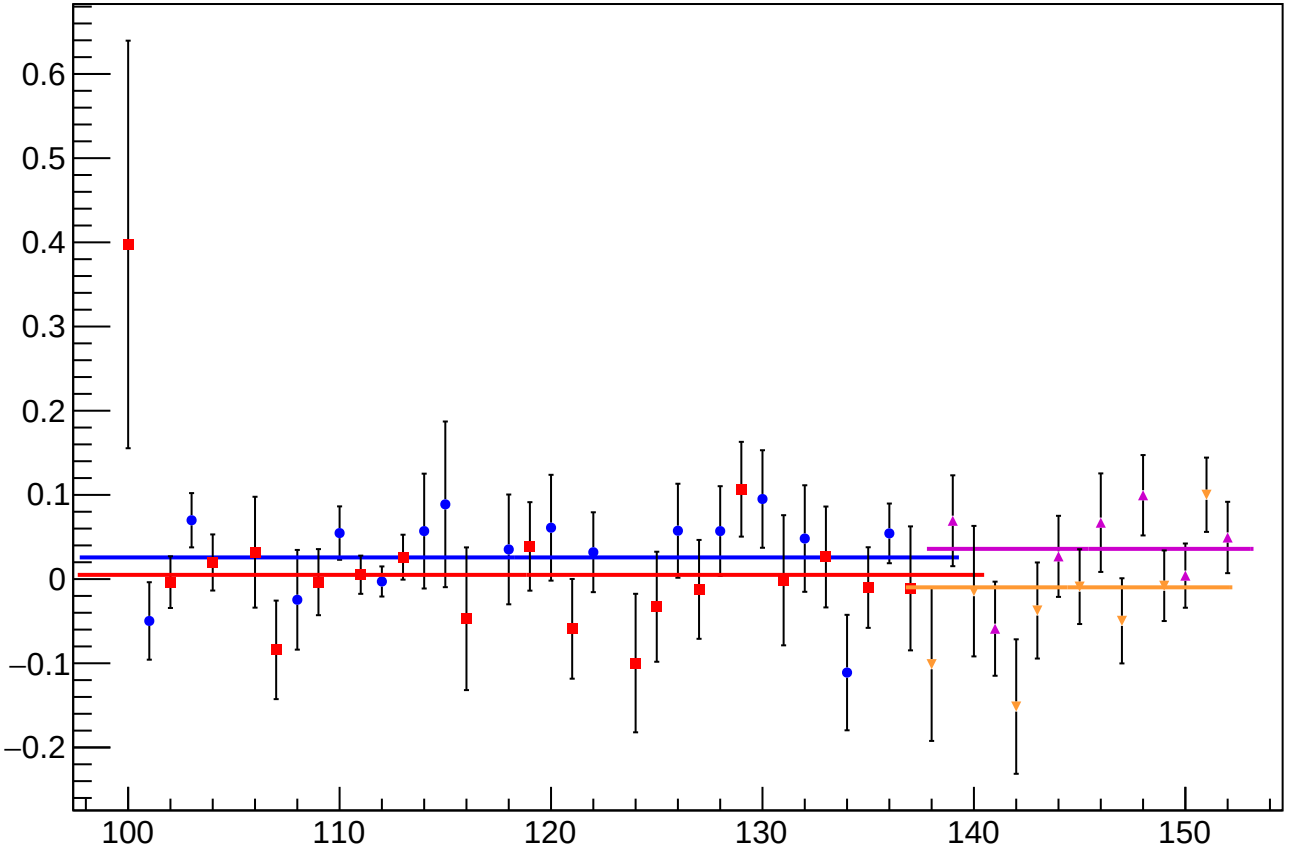
In: 0.028+/-0.009 χ^2/NDF:22.9/22

Out: 0.002+/-0.009 χ^2/NDF:25.3/26

All: 0.015+/-0.006 χ^2/NDF: 52.5/49


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 24.712+/-0.007 χ²/NDF: 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: 43.406+/-0.013 χ²/NDF:203078.5/6
Left: 44.467+/-0.009 χ²/NDF: 793551.3/14
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 29.342+/-0.006 χ²/NDF:4112035.9/22
Out: 30.136+/-0.006 χ²/NDF:3881855.4/26
All: 29.734+/-0.005 χ²/NDF: 8001601.4/49

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: 0.036+/-0.018 χ^2/NDF:6.2/6

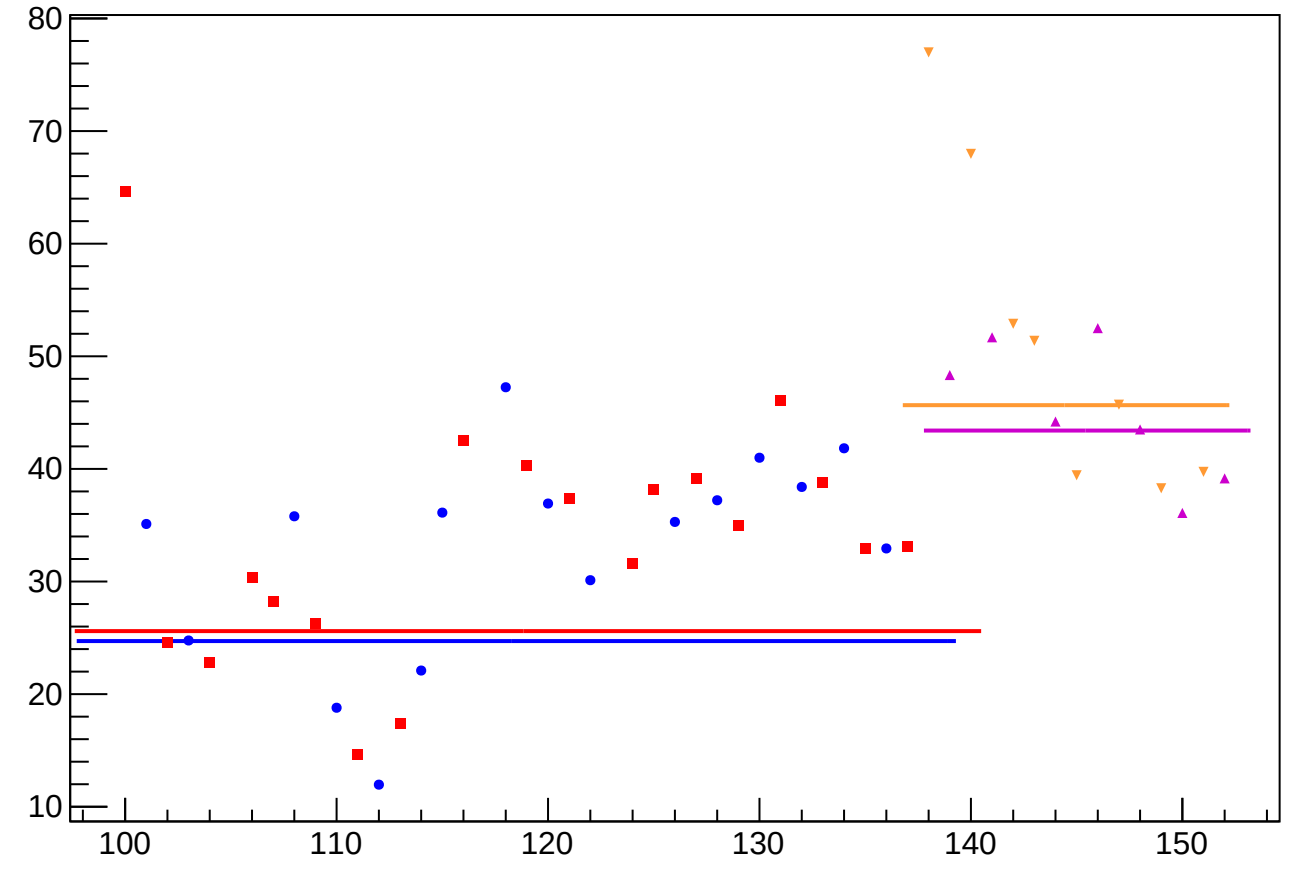
Left: 0.014+/-0.013 χ^2/NDF: 20.4/14

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.028+/-0.009 χ^2/NDF:22.9/22

Out: 0.002+/-0.009 χ^2/NDF:25.3/26

All: 0.015+/-0.006 χ^2/NDF: 52.5/49



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.660+/-0.014 χ^2/NDF:575787.9/7

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.406+/-0.013 χ^2/NDF:203078.5/6

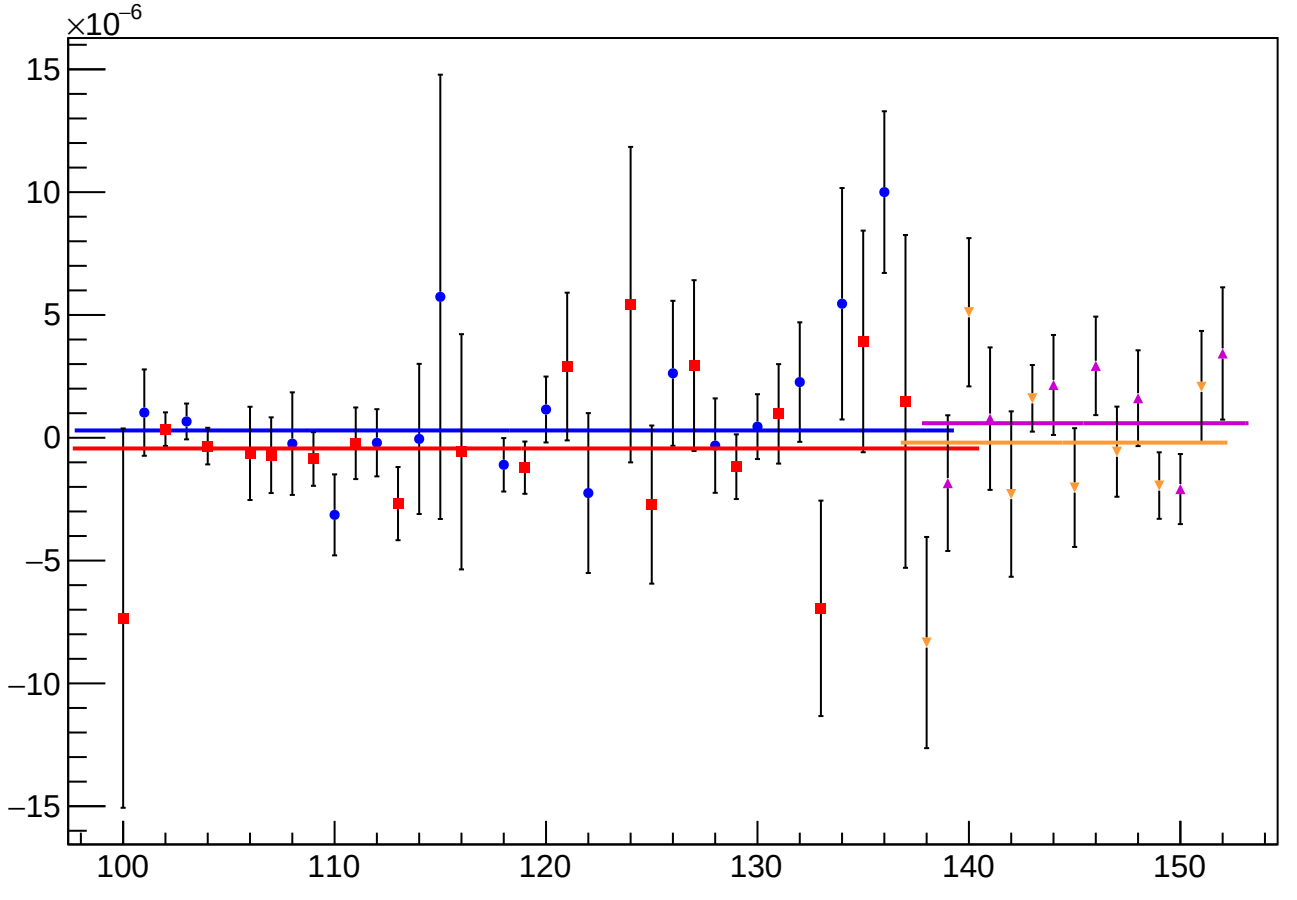
Left: 44.467+/-0.009 χ^2/NDF: 793551.3/14

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 29.342+/-0.006 χ^2/NDF:4112035.9/22

Out: 30.136+/-0.006 χ^2/NDF:3881855.4/26

All: 29.734+/-0.005 χ^2/NDF: 8001601.4/49



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:7.6/6

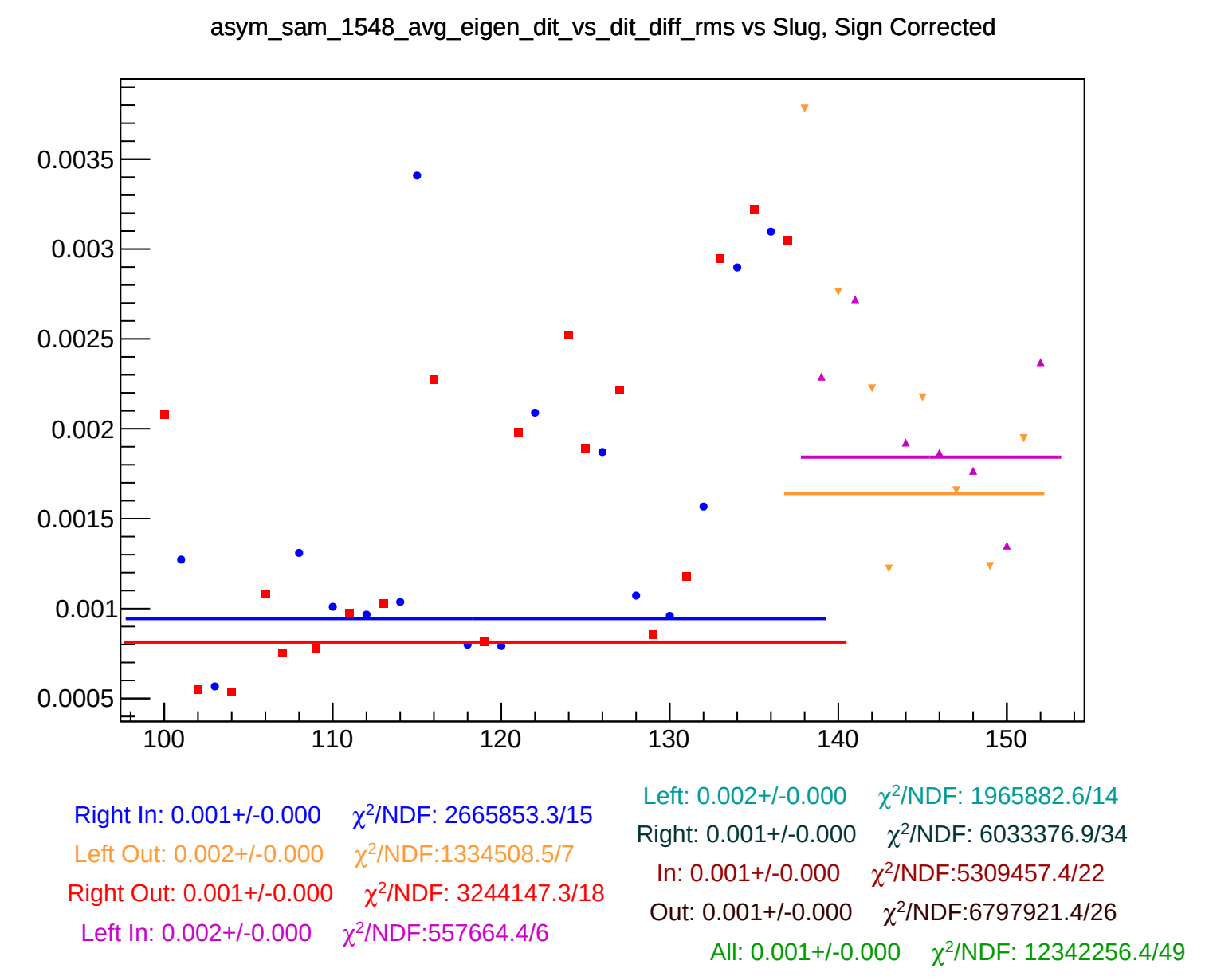
Left: 0.000+/-0.000 χ^2/NDF: 20.3/14

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:27.0/22

Out: -0.000+/-0.000 χ^2/NDF:24.9/26

All: -0.000+/-0.000 χ^2/NDF: 54.5/49


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
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120
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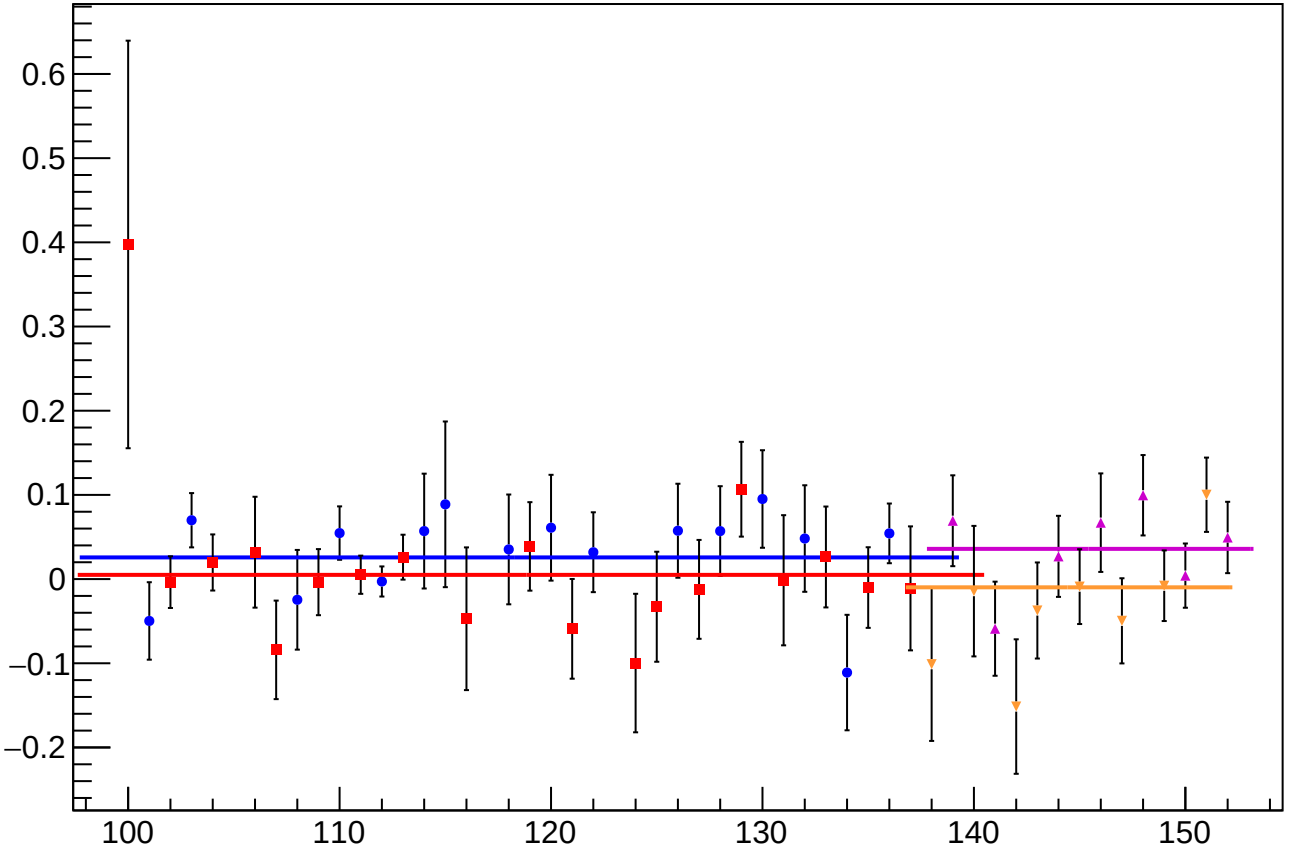
140
150
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1334508.5/7
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:557664.4/6
Left: 0.002+/-0.000 χ²/NDF: 1965882.6/14
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:5309457.4/22
Out: 0.001+/-0.000 χ²/NDF:6797921.4/26
All: 0.001+/-0.000 χ²/NDF: 12342256.4/49

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.019 χ^2/NDF:11.2/7

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.036+/-0.018 χ^2/NDF:6.2/6

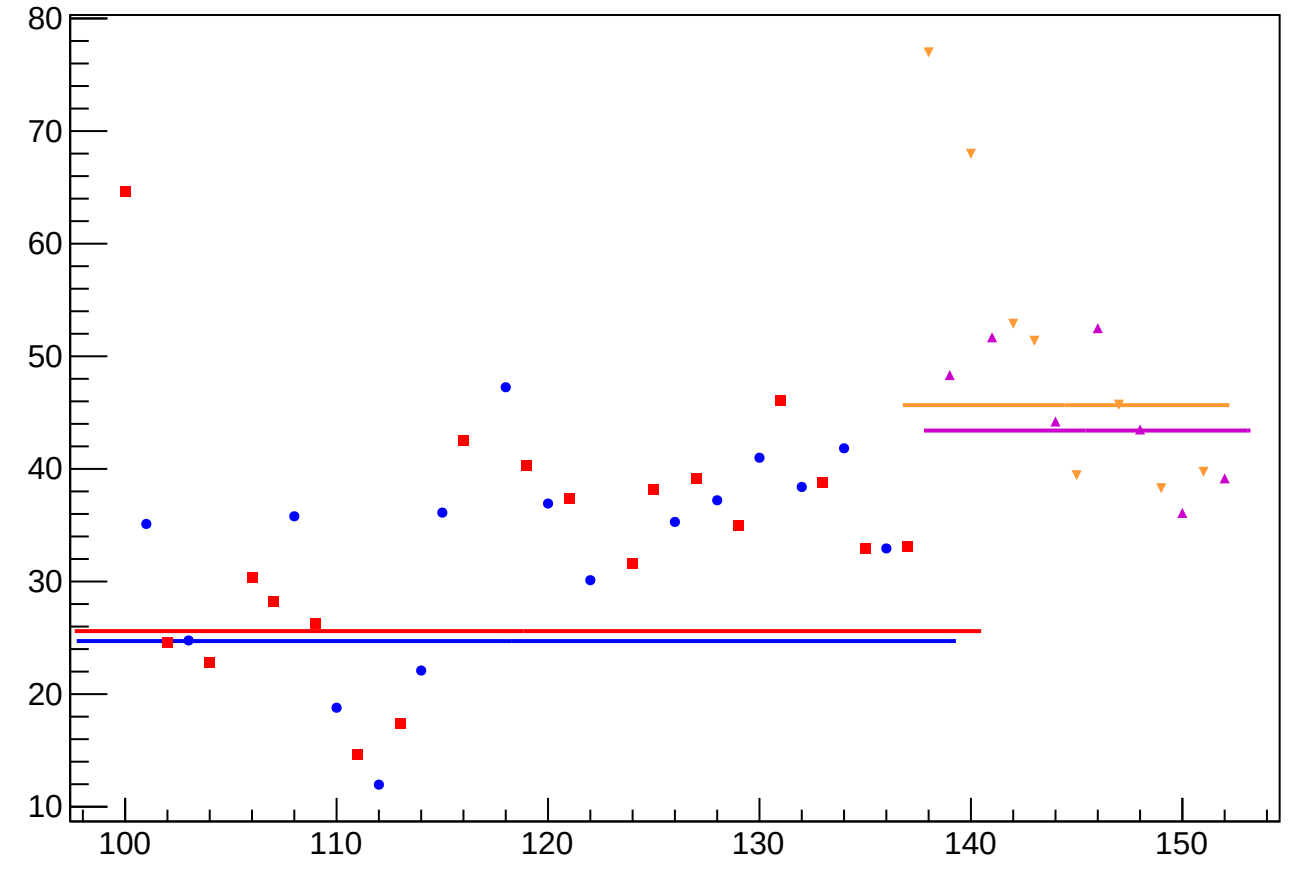
Left: 0.014+/-0.013 χ^2/NDF: 20.4/14

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.028+/-0.009 χ^2/NDF:22.9/22

Out: 0.002+/-0.009 χ^2/NDF:25.3/26

All: 0.015+/-0.006 χ^2/NDF: 52.5/49



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: 43.407+/-0.013 χ^2/NDF:203081.4/6

Left: 44.468+/-0.009 χ^2/NDF: 793537.9/14

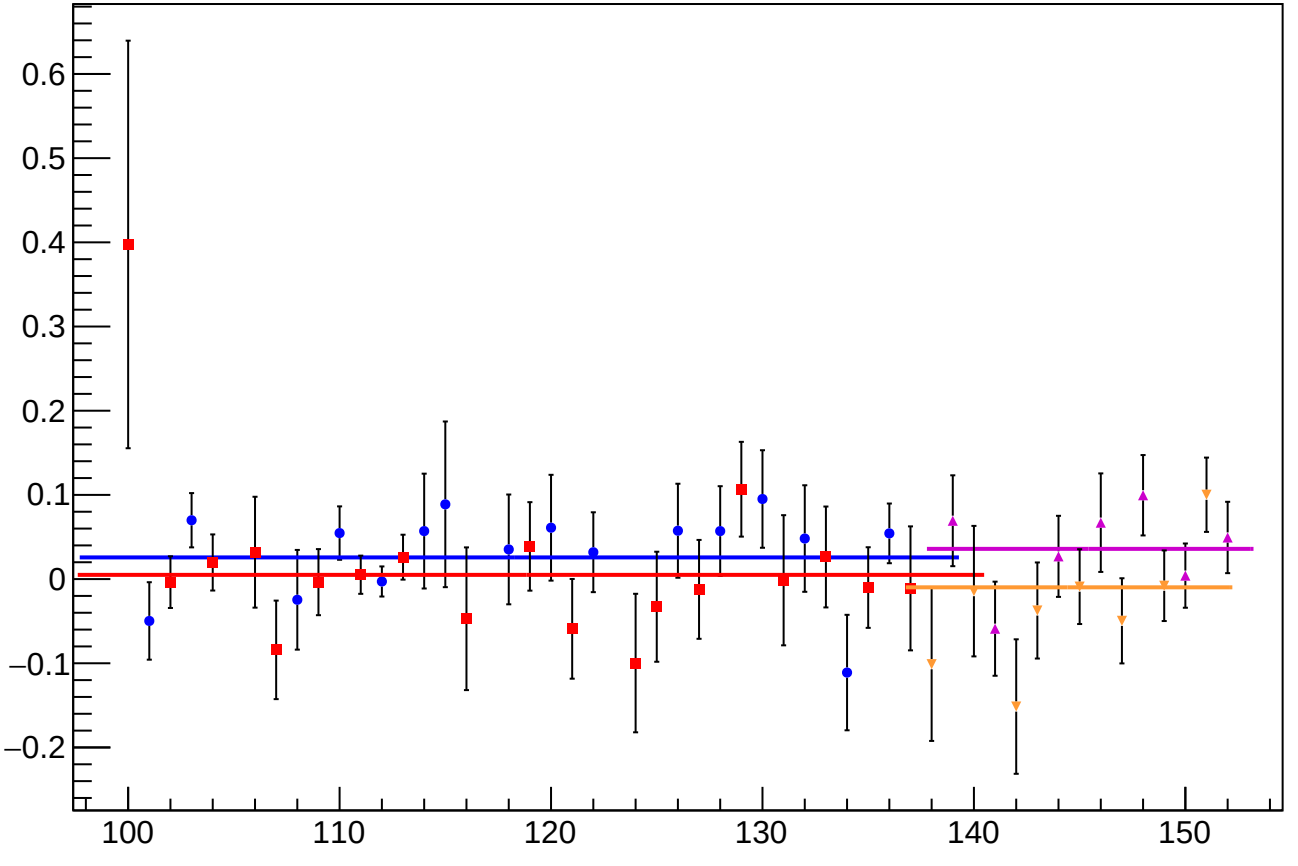
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 29.342+/-0.006 χ^2/NDF:4112394.6/22

Out: 30.136+/-0.006 χ^2/NDF:3882141.7/26

All: 29.733+/-0.005 χ^2/NDF: 8002249.0/49

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: 0.036+/-0.018 χ^2/NDF:6.2/6

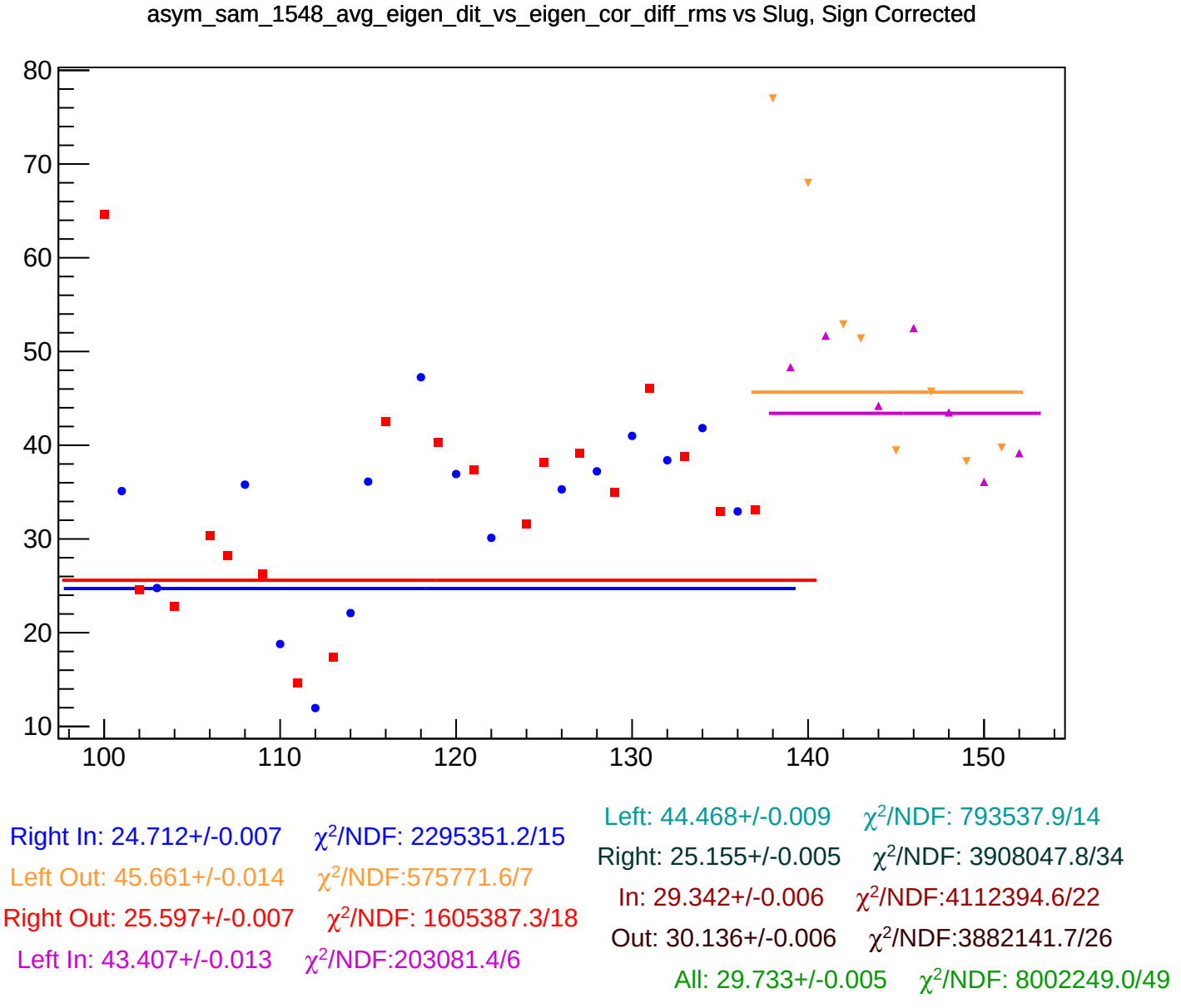
Left: 0.014+/-0.013 χ^2/NDF: 20.4/14

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.028+/-0.009 χ^2/NDF:22.9/22

Out: 0.002+/-0.009 χ^2/NDF:25.3/26

All: 0.015+/-0.006 χ^2/NDF: 52.5/49


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
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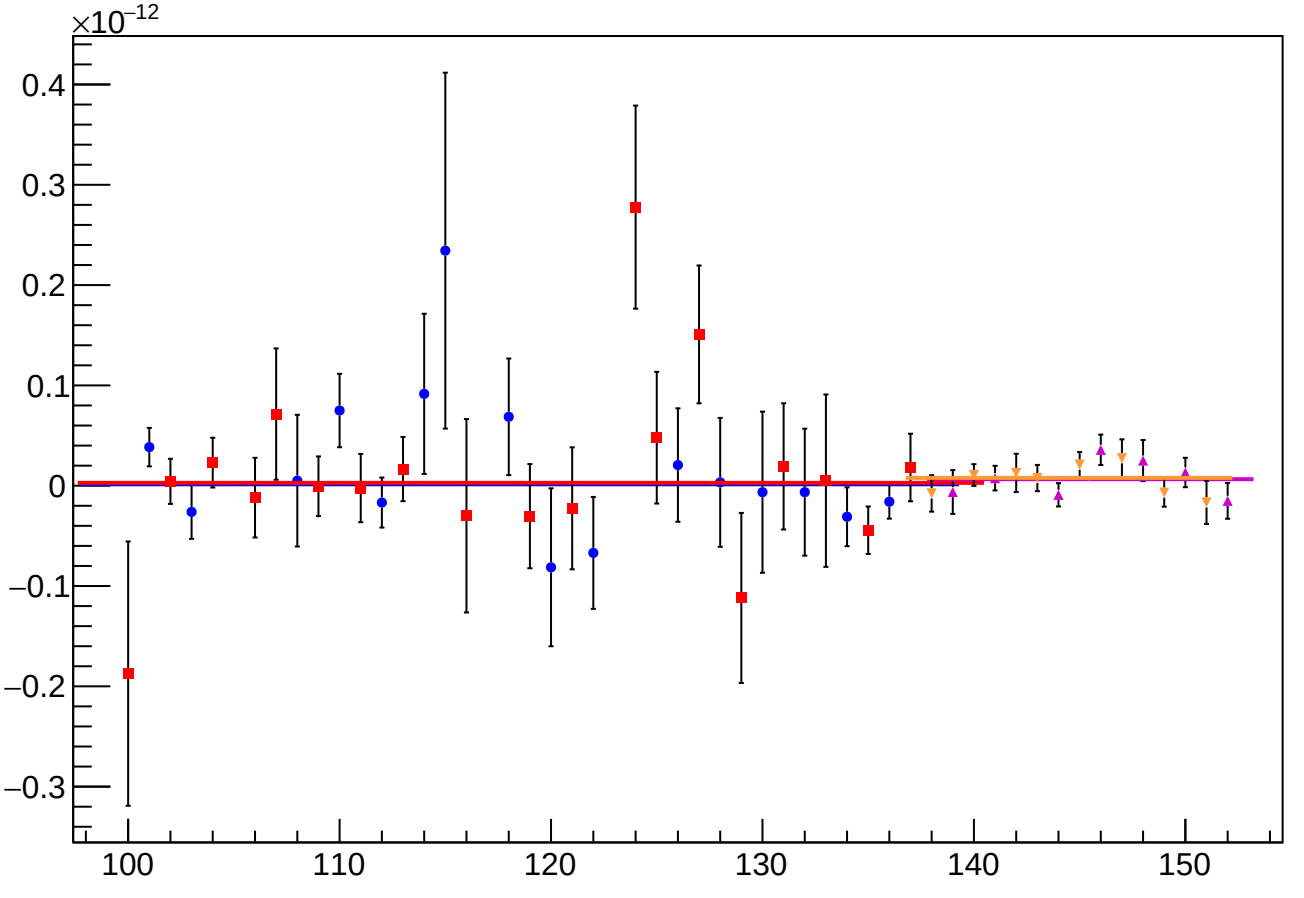
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 45.661+/-0.014 χ²/NDF:575771.6/7
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 43.407+/-0.013 χ²/NDF:203081.4/6
Left: 44.468+/-0.009 χ²/NDF: 793537.9/14
Right: 25.155+/-0.005 χ²/NDF: 3908047.8/34
In: 29.342+/-0.006 χ²/NDF:4112394.6/22
Out: 30.136+/-0.006 χ²/NDF:3882141.7/26
All: 29.733+/-0.005 χ²/NDF: 8002249.0/49

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:8.4/6

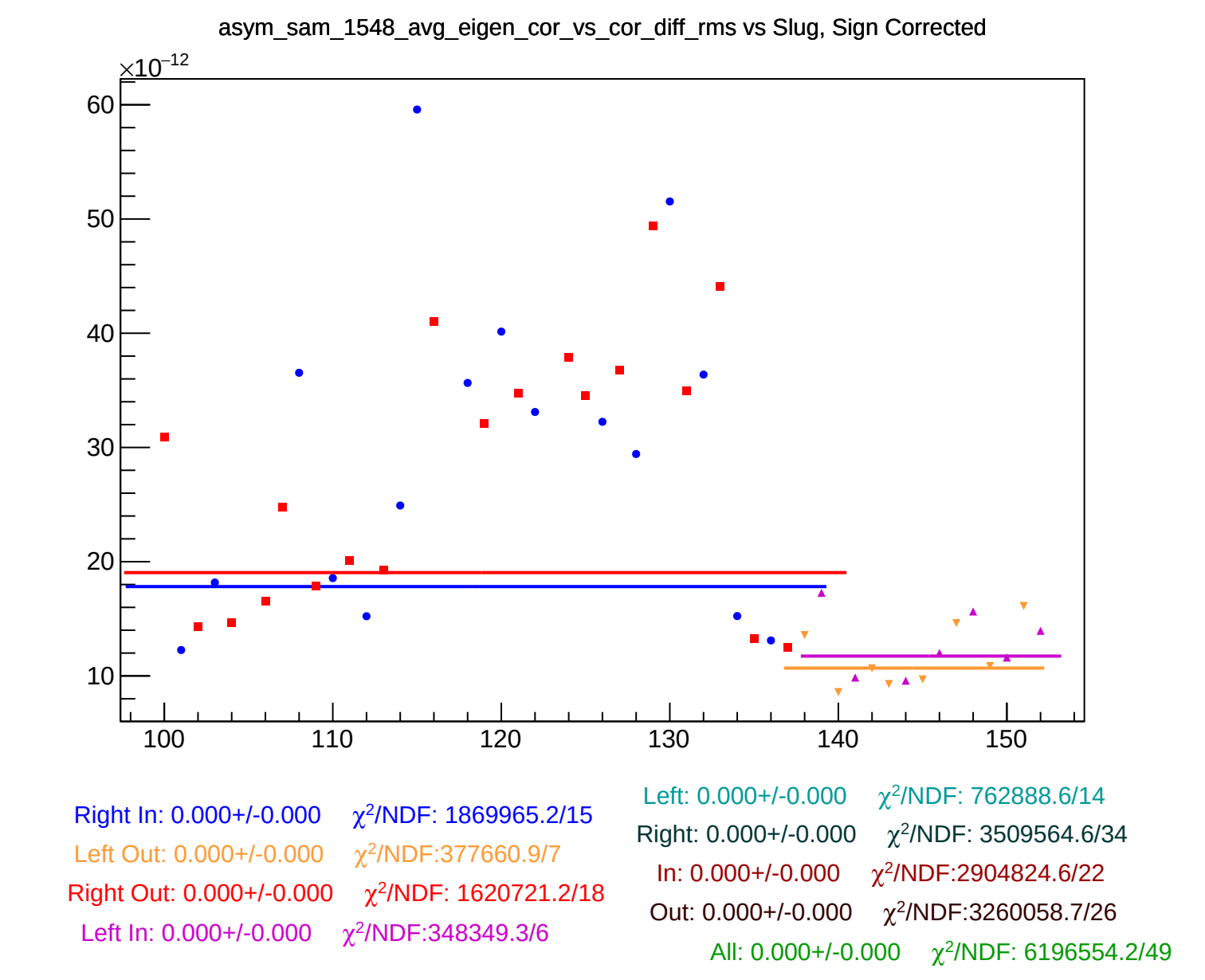
Left: 0.000+/-0.000 χ^2/NDF: 13.8/14

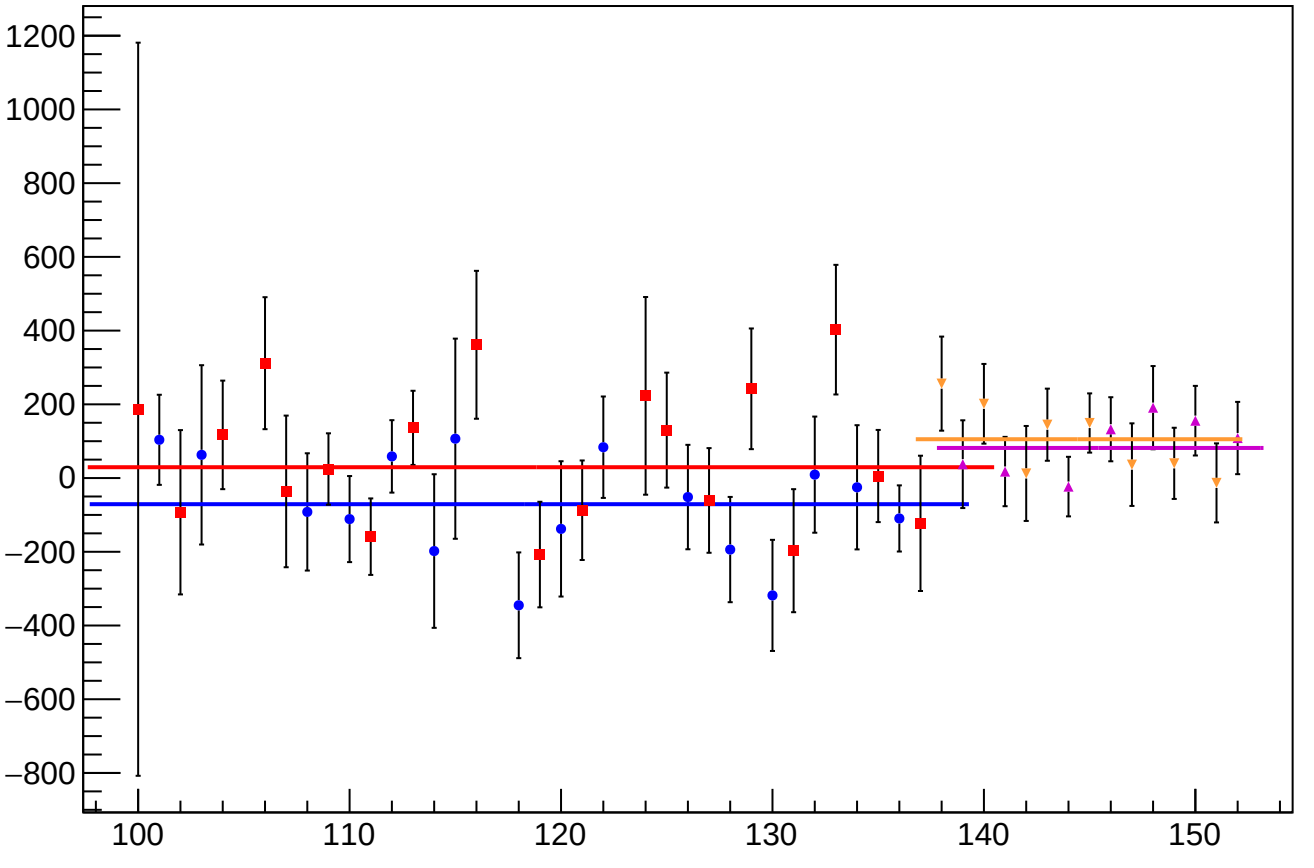
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:27.3/22

Out: 0.000+/-0.000 χ^2/NDF:29.1/26

All: 0.000+/-0.000 χ^2/NDF: 56.5/49


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:348349.3/6
Left: 0.000+/-0.000 χ²/NDF: 762888.6/14
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:2904824.6/22
Out: 0.000+/-0.000 χ²/NDF:3260058.7/26
All: 0.000+/-0.000 χ²/NDF: 6196554.2/49



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: 81.663+/-36.181 χ^2/NDF:4.3/6

Left: 93.321+/-25.782 χ^2/NDF: 9.7/14

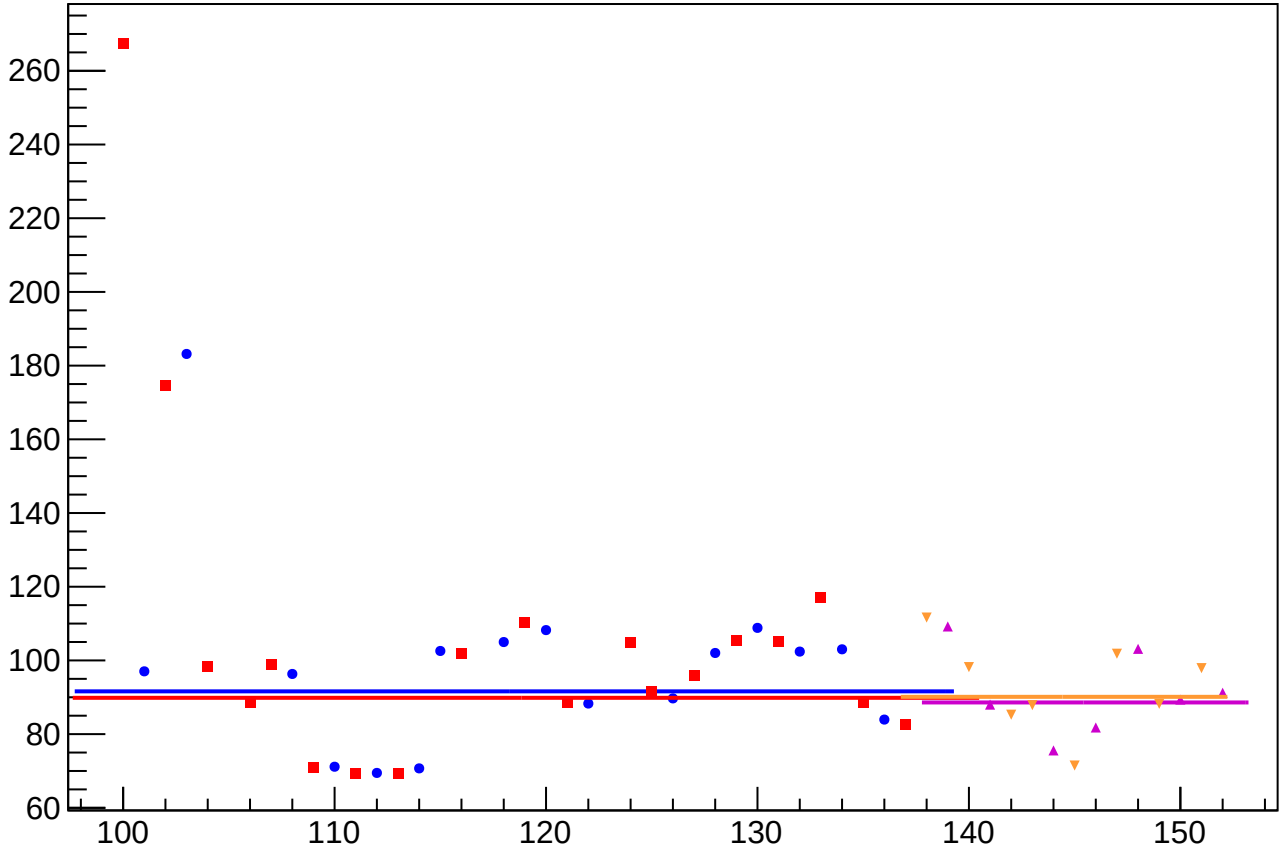
Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 3.120+/-25.201 χ^2/NDF:27.5/22

Out: 64.703+/-25.052 χ^2/NDF:31.5/26

All: 34.095+/-17.767 χ^2/NDF: 62.0/49

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.121+/-0.026 χ^2/NDF:212637.3/7

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 88.594+/-0.026 χ^2/NDF:159036.1/6

Left: 89.346+/-0.018 χ^2/NDF: 373426.6/14

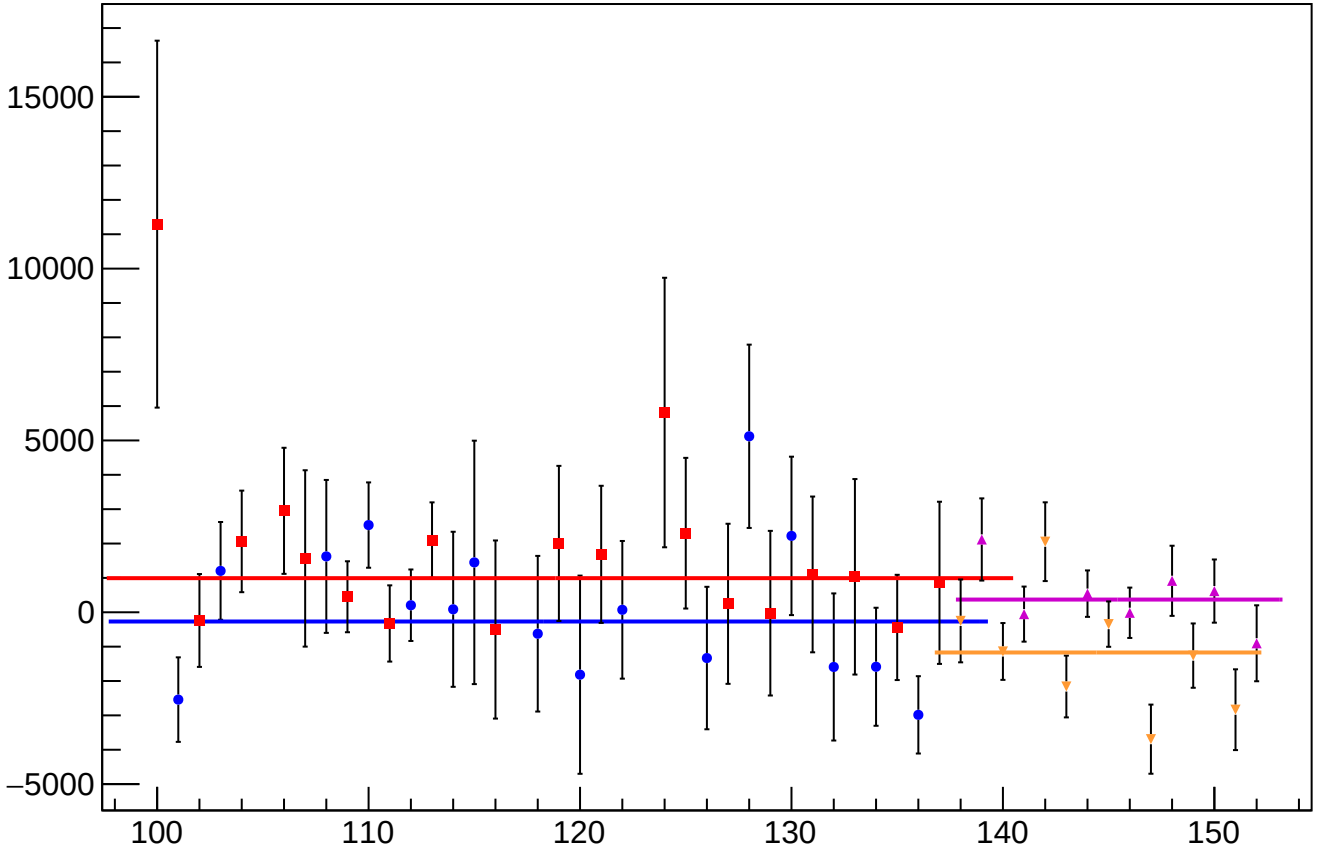
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.146+/-0.018 χ^2/NDF:746854.4/22

Out: 89.978+/-0.018 χ^2/NDF:958982.6/26

All: 90.062+/-0.013 χ^2/NDF: 1705881.5/49

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: 369.797+/-328.413 χ^2/NDF:4.4/6

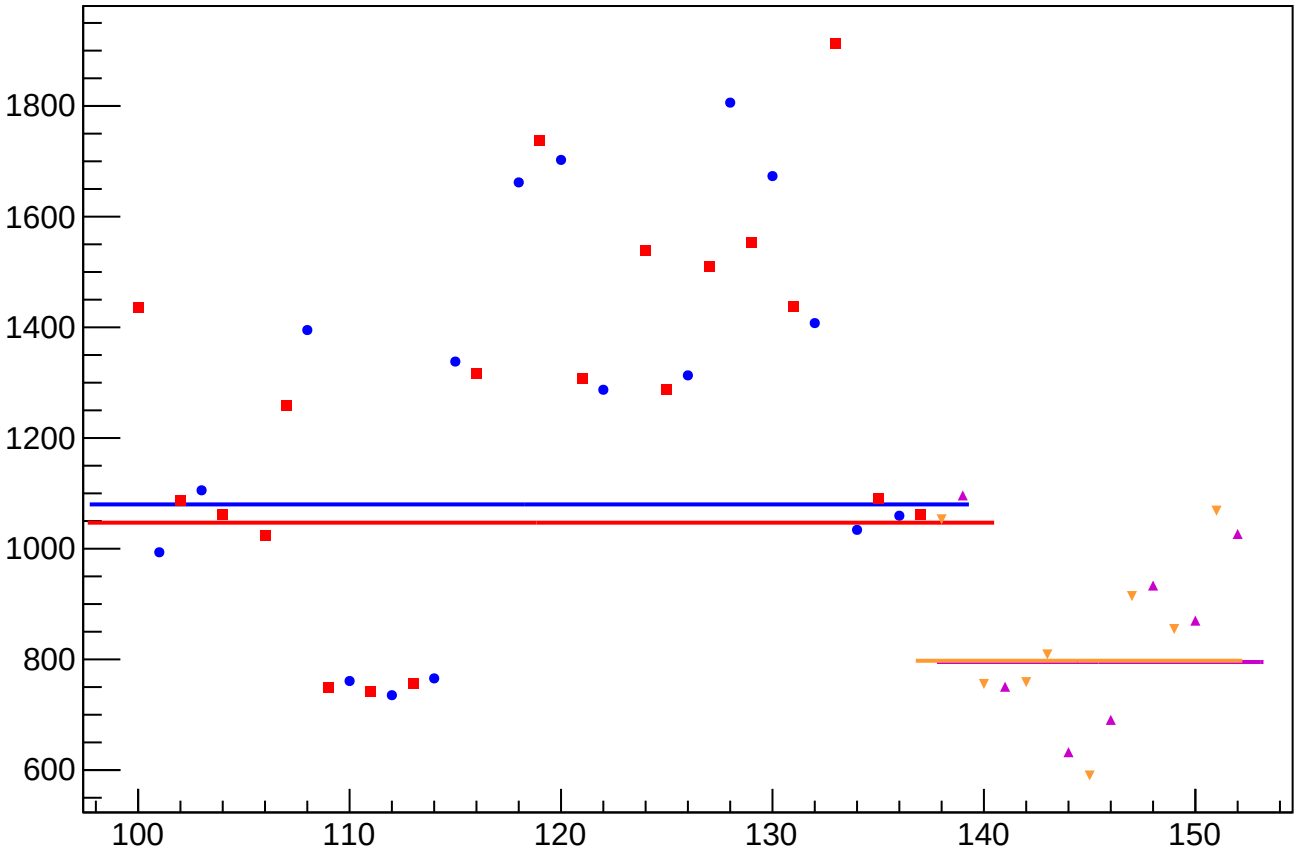
Left: -401.324+/-232.045 χ^2/NDF: 35.0/14

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 127.310+/-258.613 χ^2/NDF:29.3/22

Out: -302.959+/-253.799 χ^2/NDF:49.7/26

All: -91.866+/-181.141 χ^2/NDF: 80.4/49



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: 795.305+/-0.232 χ^2/NDF:427407.2/6

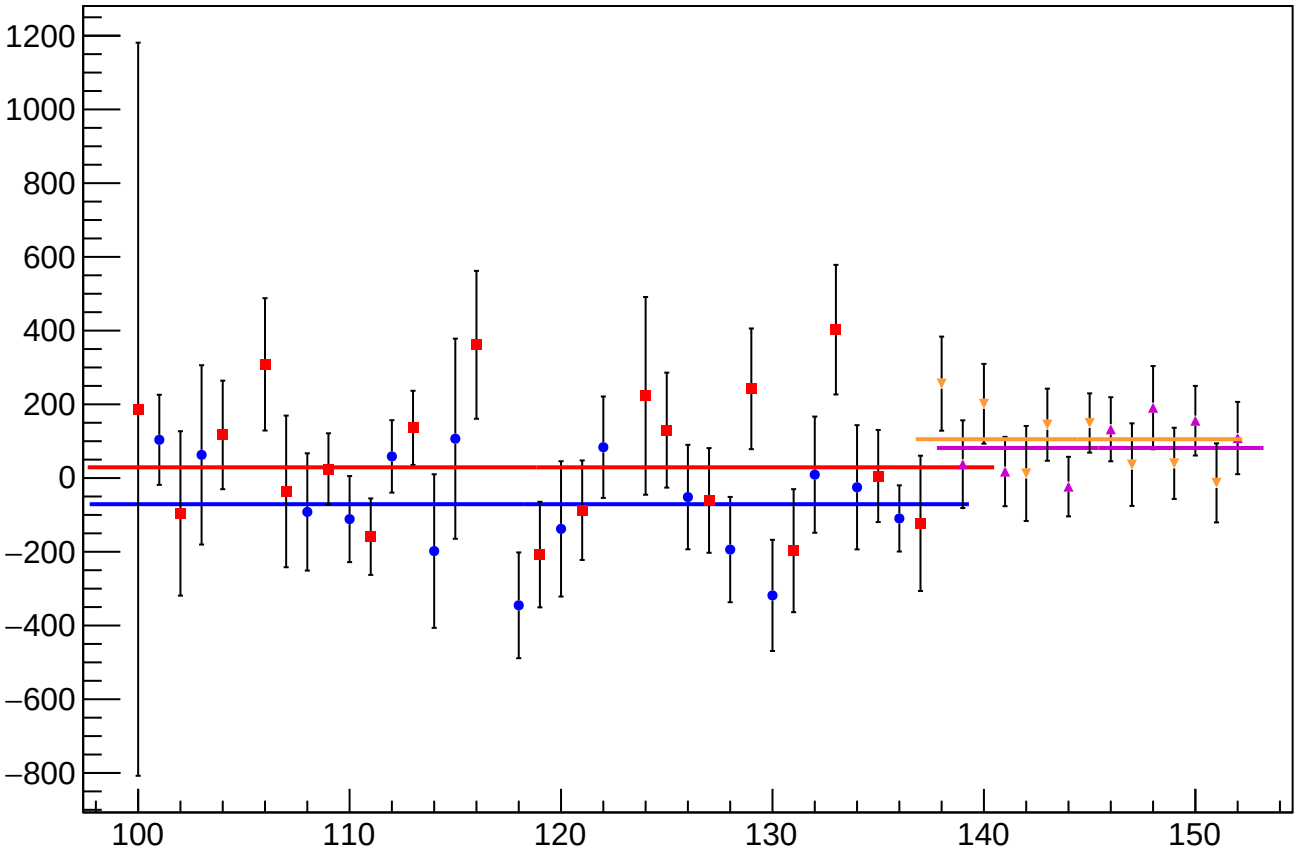
Left: 796.432+/-0.164 χ^2/NDF: 863567.6/14

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 903.479+/-0.183 χ^2/NDF:2052037.8/22

Out: 897.593+/-0.179 χ^2/NDF:2099040.0/26

All: 900.481+/-0.128 χ^2/NDF: 4151605.6/49



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: 81.668+/-36.181 χ^2/NDF:4.3/6

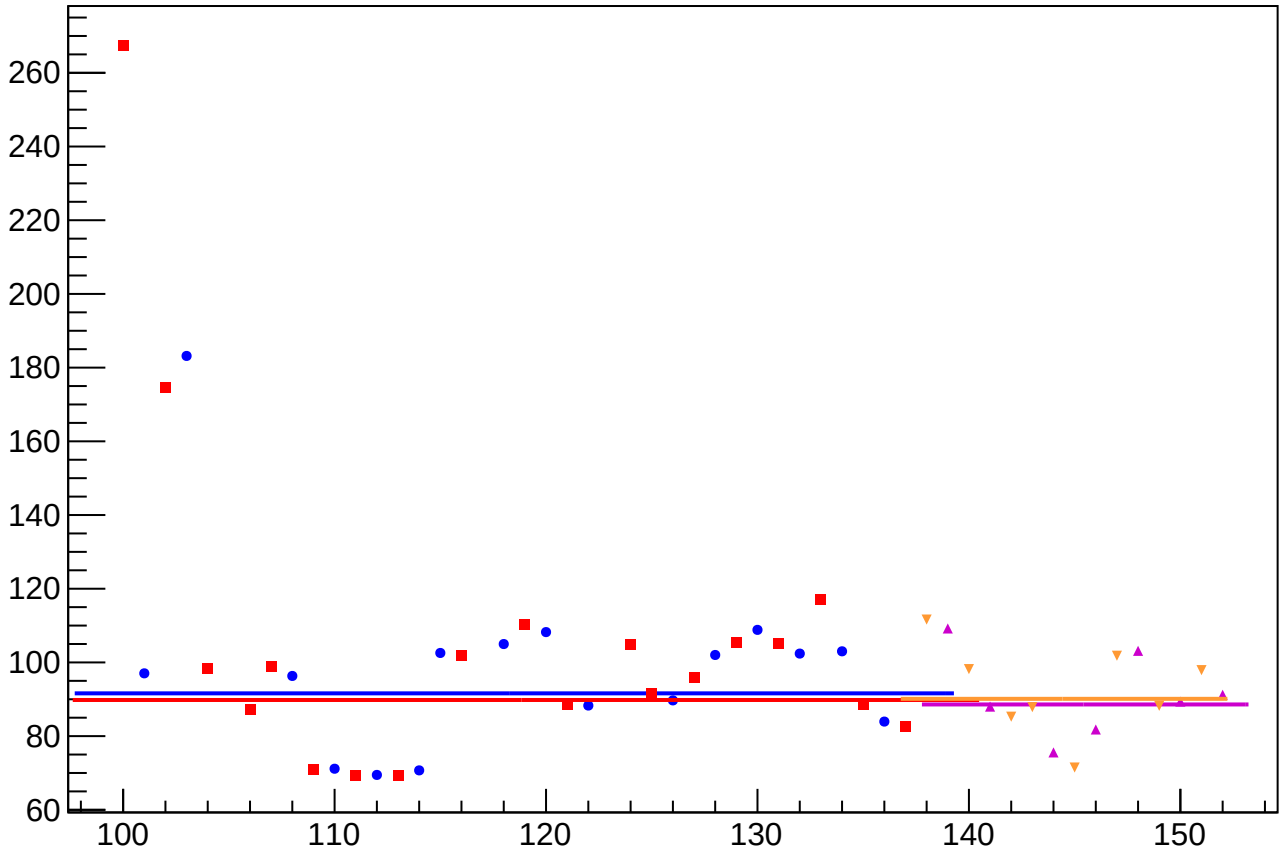
Left: 93.328+/-25.782 χ^2/NDF: 9.7/14

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 3.116+/-25.201 χ^2/NDF:27.5/22

Out: 64.578+/-25.053 χ^2/NDF:31.5/26

All: 34.028+/-17.767 χ^2/NDF: 61.9/49



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: 88.594+/-0.026 χ^2/NDF:159036.1/6

Left: 89.346+/-0.018 χ^2/NDF: 373426.6/14

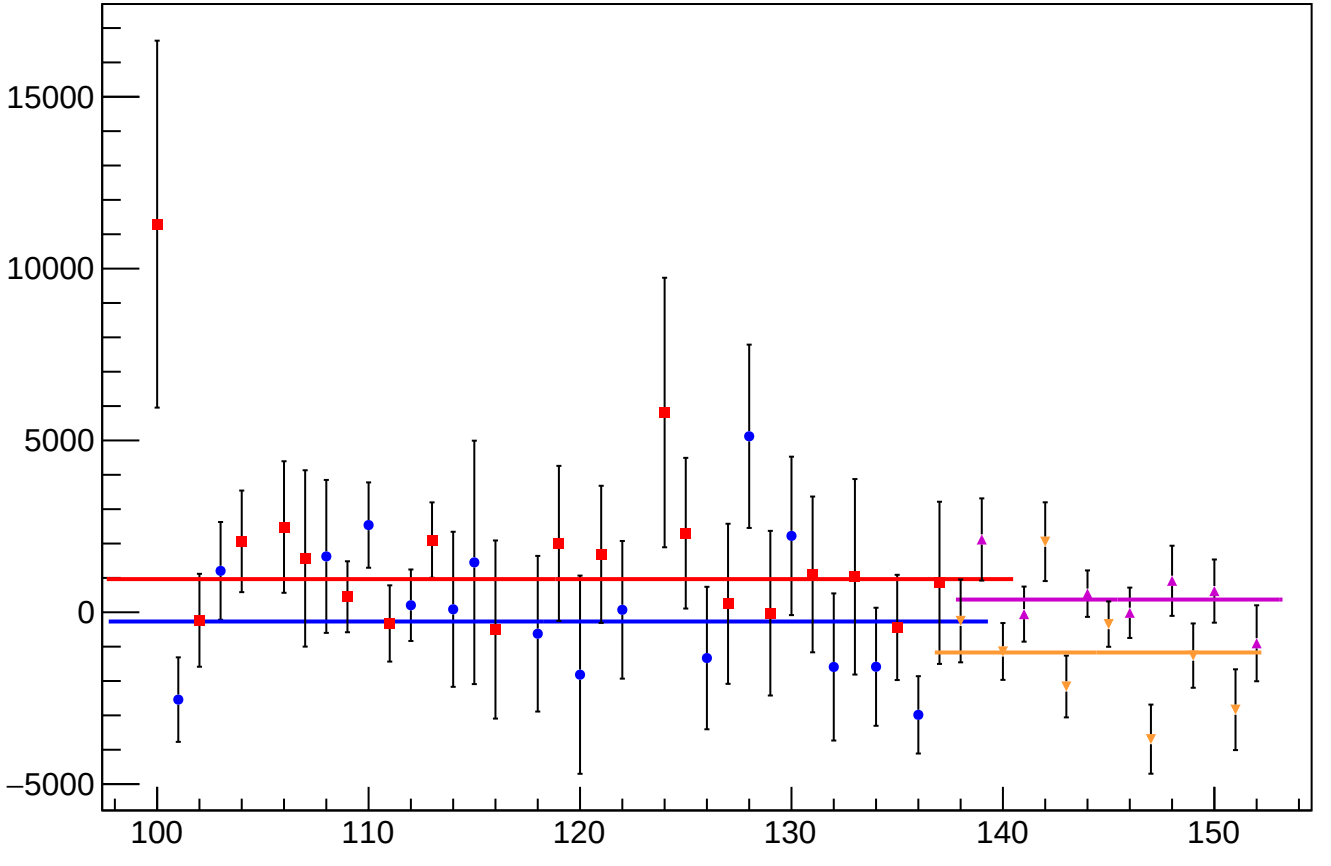
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.146+/-0.018 χ^2/NDF:746857.6/22

Out: 89.953+/-0.018 χ^2/NDF:959548.8/26

All: 90.049+/-0.013 χ^2/NDF: 1706465.3/49

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: 369.806+/-328.413 χ^2/NDF:4.4/6

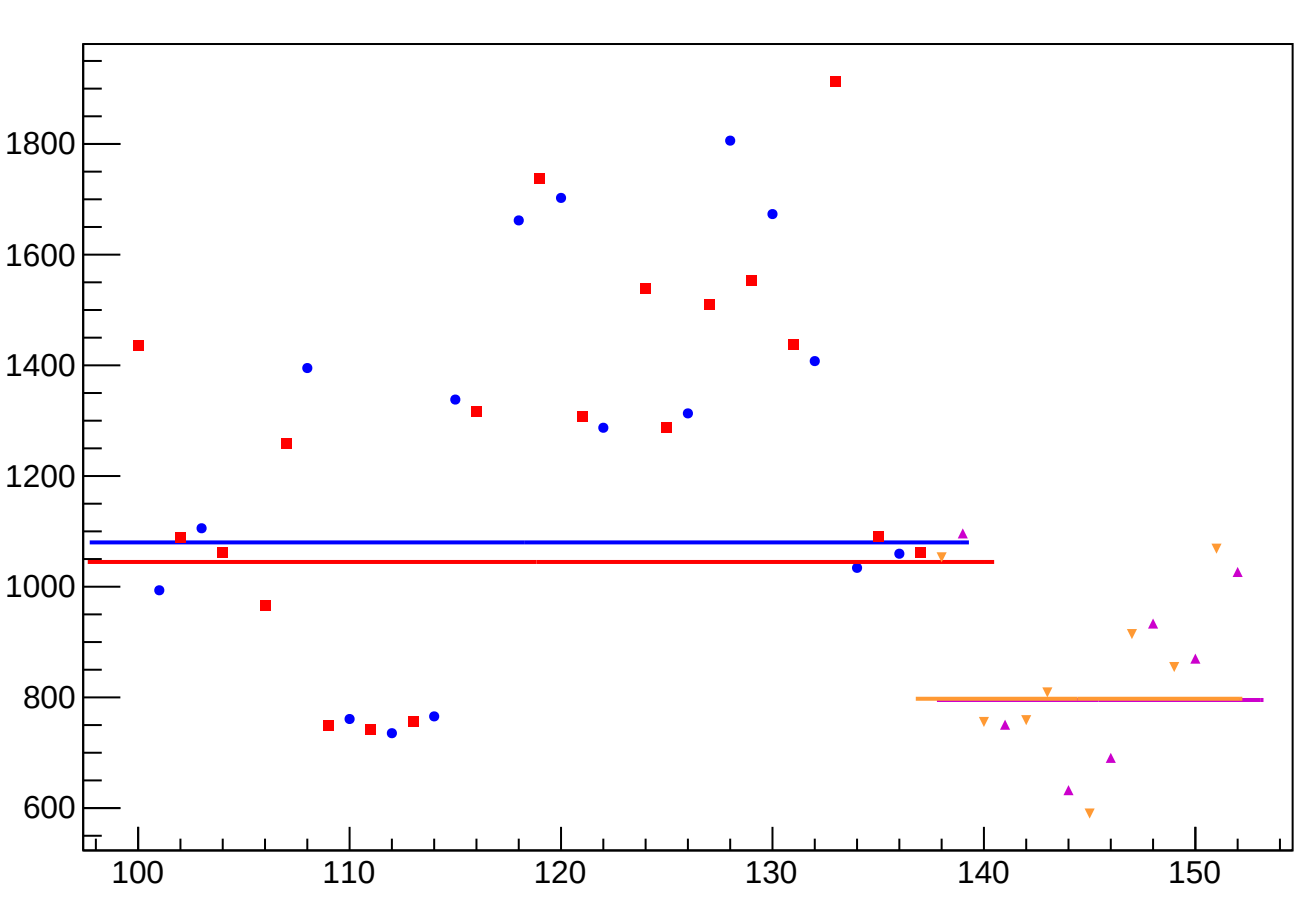
Left: -401.316+/-232.045 χ^2/NDF: 35.0/14

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 127.310+/-258.614 χ^2/NDF:29.3/22

Out: -316.119+/-254.004 χ^2/NDF:48.6/26

All: -98.391+/-181.216 χ^2/NDF: 79.5/49



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: 795.306+/-0.232 χ^2/NDF:427406.8/6

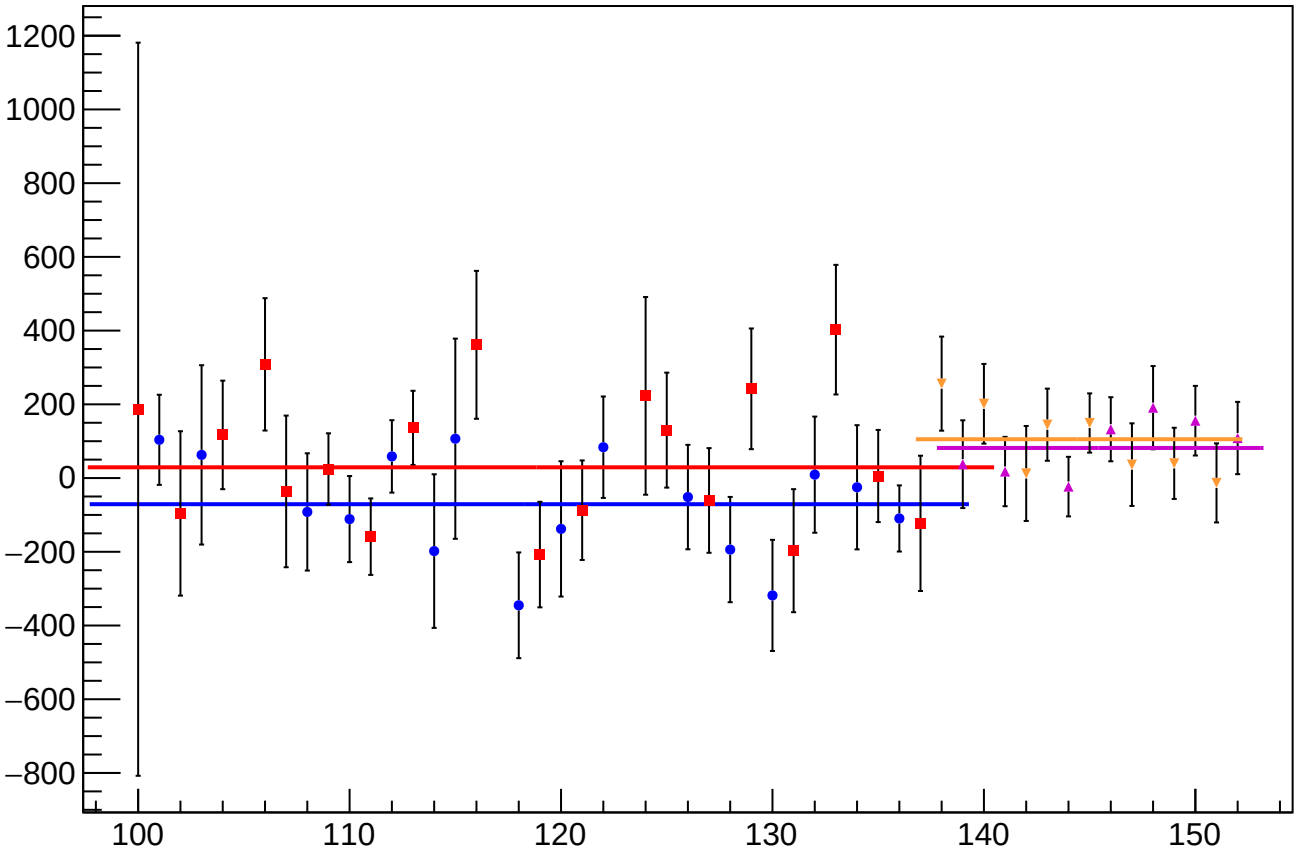
Left: 796.432+/-0.164 χ^2/NDF: 863569.7/14

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 903.482+/-0.183 χ^2/NDF:2052071.2/22

Out: 896.411+/-0.180 χ^2/NDF:2092415.5/26

All: 899.883+/-0.128 χ^2/NDF: 4145247.6/49



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: 81.668+/-36.181 χ^2/NDF:4.3/6

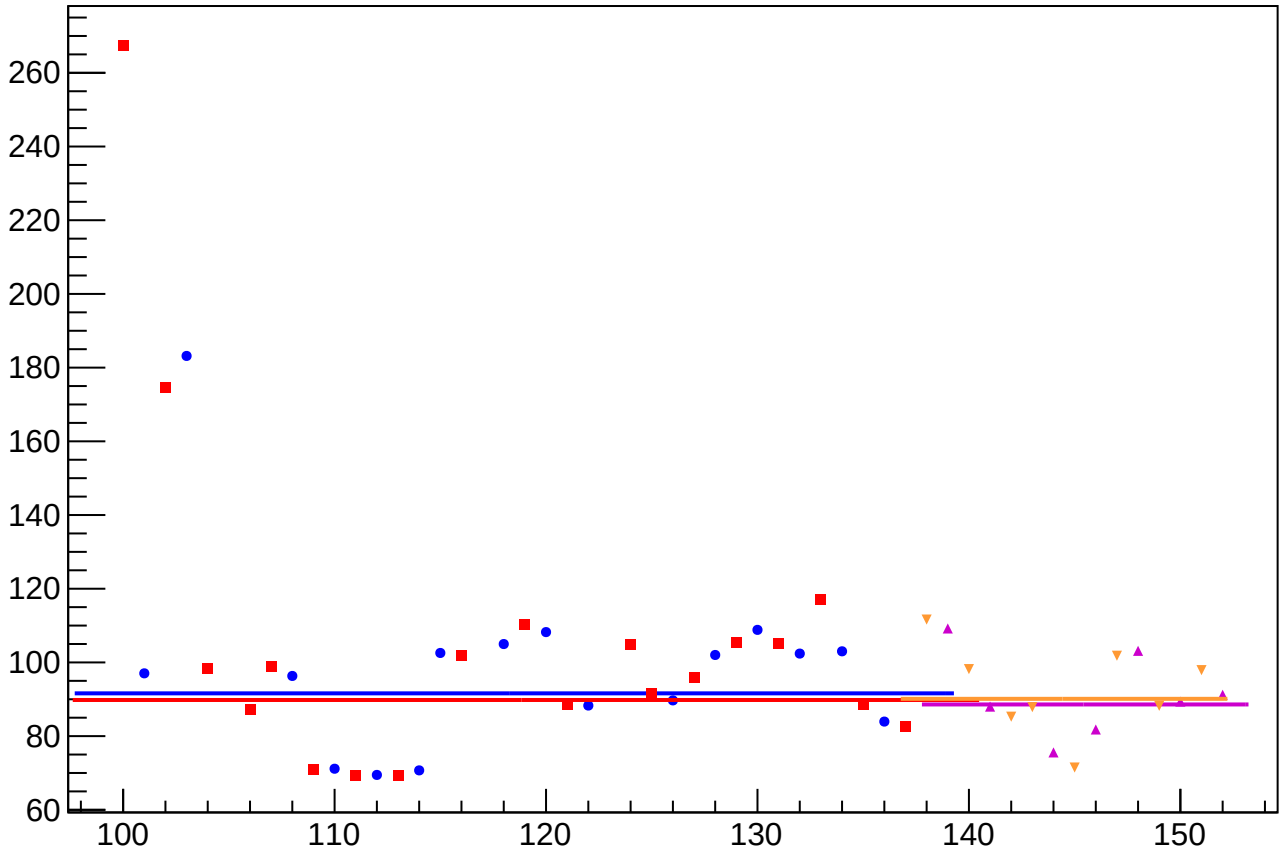
Left: 93.328+/-25.782 χ^2/NDF: 9.7/14

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 3.116+/-25.201 χ^2/NDF:27.5/22

Out: 64.578+/-25.053 χ^2/NDF:31.5/26

All: 34.028+/-17.767 χ^2/NDF: 61.9/49



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: 88.594+/-0.026 χ^2/NDF:159036.1/6

Left: 89.346+/-0.018 χ^2/NDF: 373426.6/14

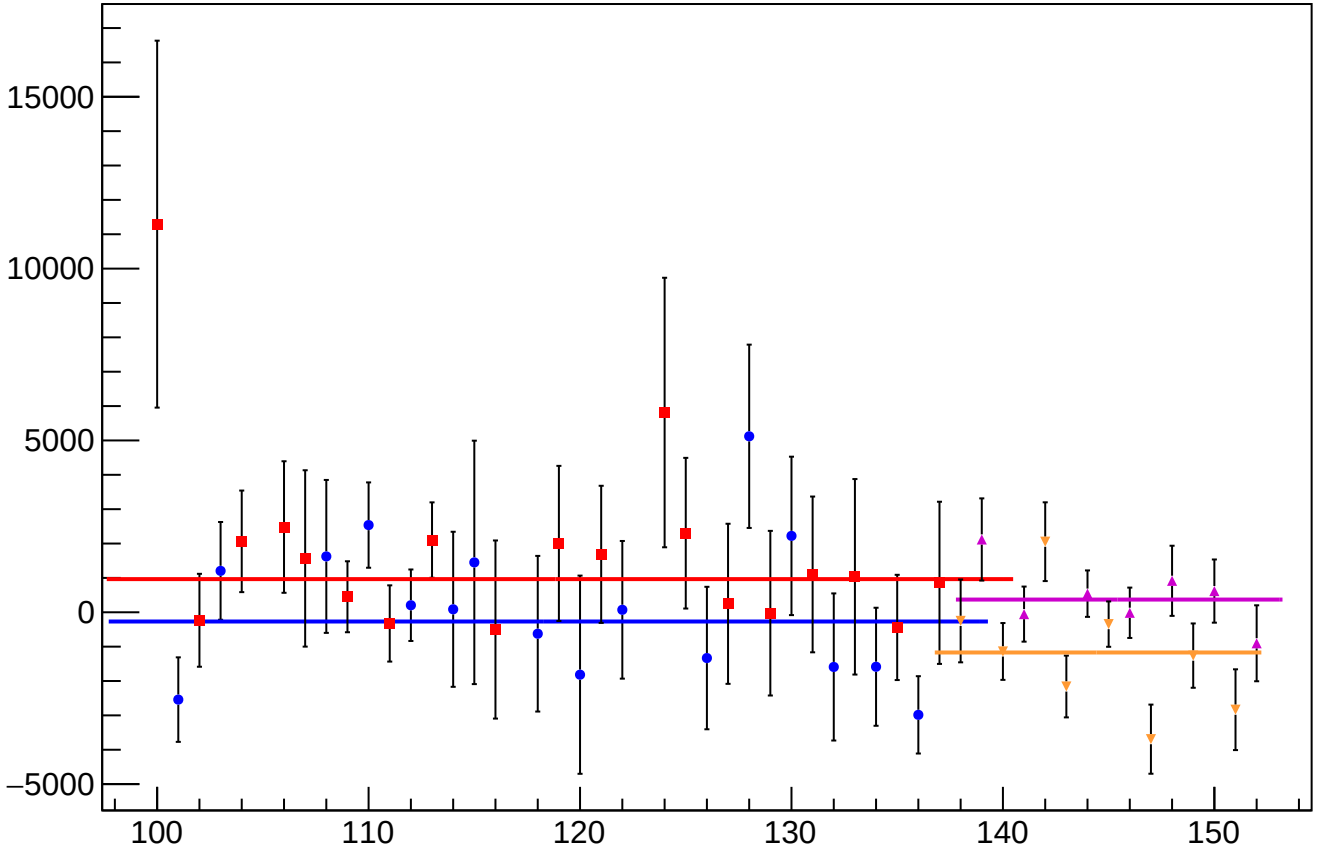
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.146+/-0.018 χ^2/NDF:746857.6/22

Out: 89.953+/-0.018 χ^2/NDF:959548.8/26

All: 90.049+/-0.013 χ^2/NDF: 1706465.3/49

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: 369.806+/-328.413 χ^2/NDF:4.4/6

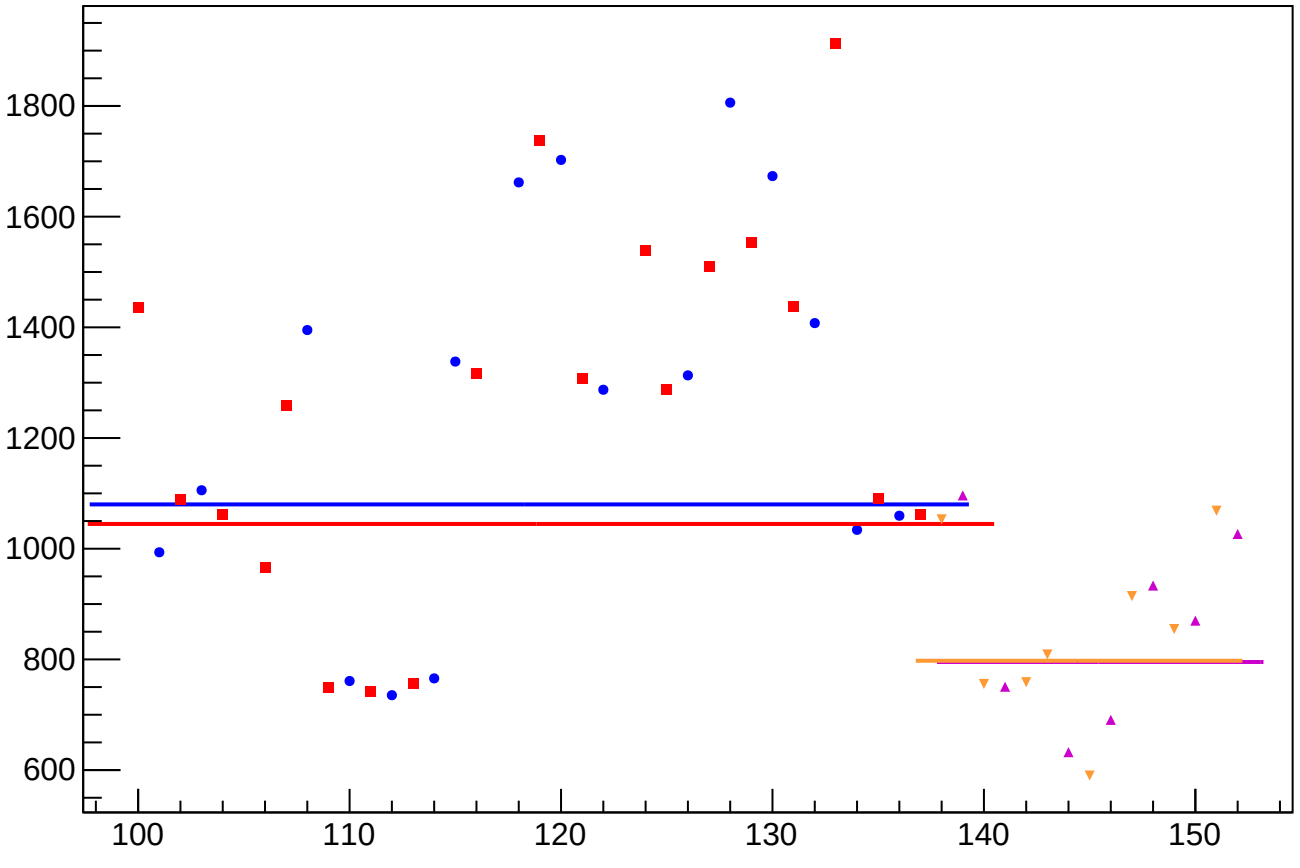
Left: -401.316+/-232.045 χ^2/NDF: 35.0/14

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 127.310+/-258.614 χ^2/NDF:29.3/22

Out: -316.119+/-254.004 χ^2/NDF:48.6/26

All: -98.391+/-181.216 χ^2/NDF: 79.5/49



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: 795.306+/-0.232 χ^2/NDF:427406.8/6

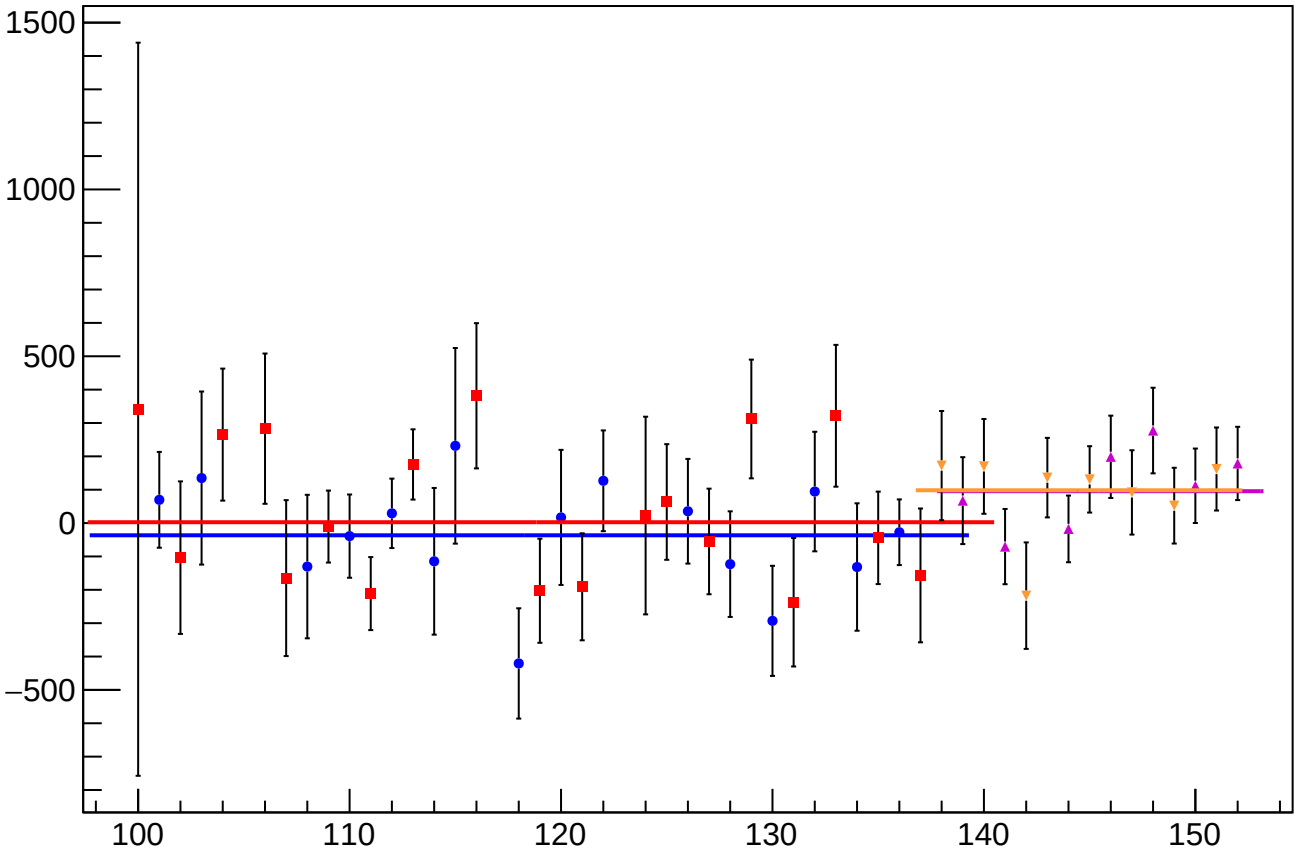
Left: 796.432+/-0.164 χ^2/NDF: 863569.7/14

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 903.482+/-0.183 χ^2/NDF:2052071.2/22

Out: 896.411+/-0.180 χ^2/NDF:2092415.5/26

All: 899.883+/-0.128 χ^2/NDF: 4145247.6/49



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: 95.557+/-43.546 χ^2/NDF:6.8/6

Left: 96.923+/-31.163 χ^2/NDF: 11.8/14

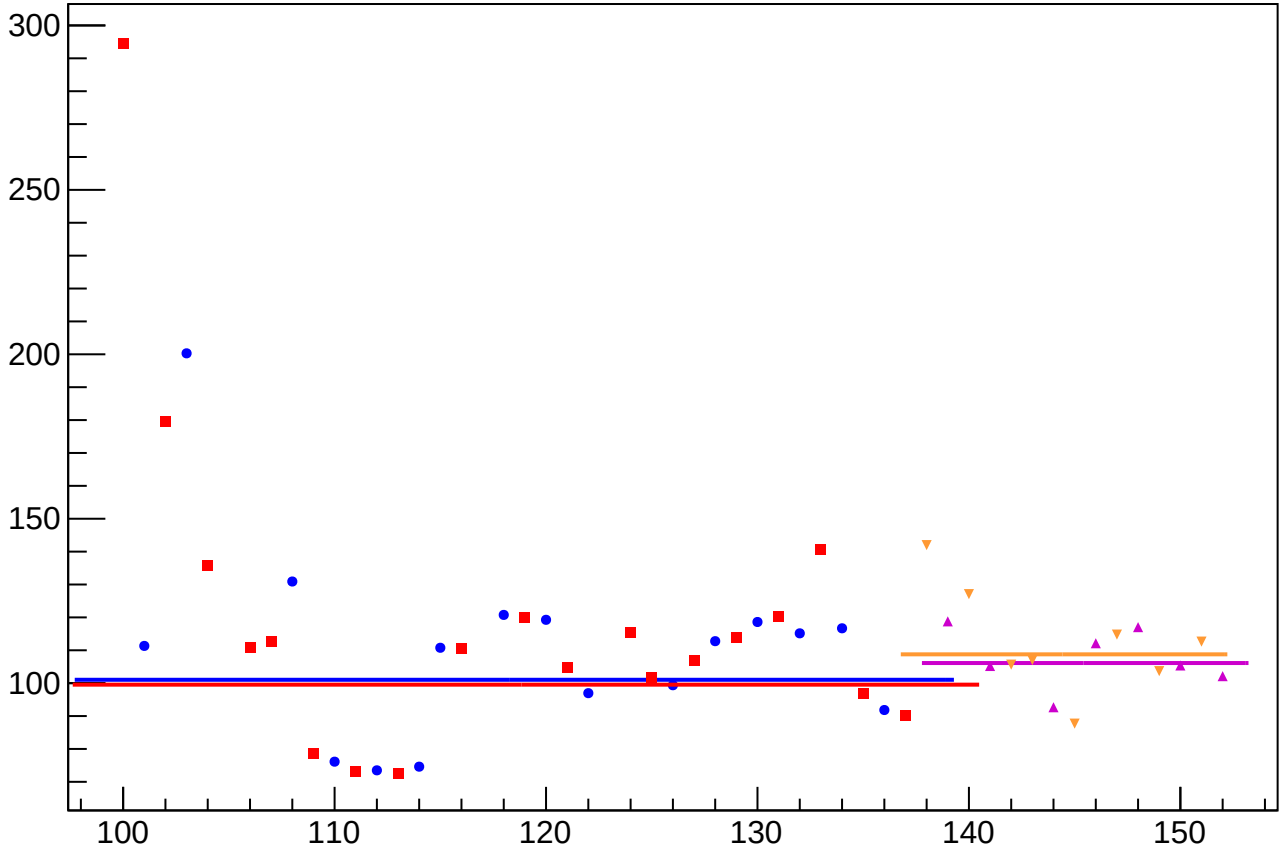
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 22.213+/-29.048 χ^2/NDF:24.8/22

Out: 43.041+/-29.002 χ^2/NDF:32.4/26

All: 32.644+/-20.524 χ^2/NDF: 57.5/49

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: 106.123+/-0.031 χ^2/NDF:77215.9/6

Left: 107.412+/-0.022 χ^2/NDF: 297800.0/14

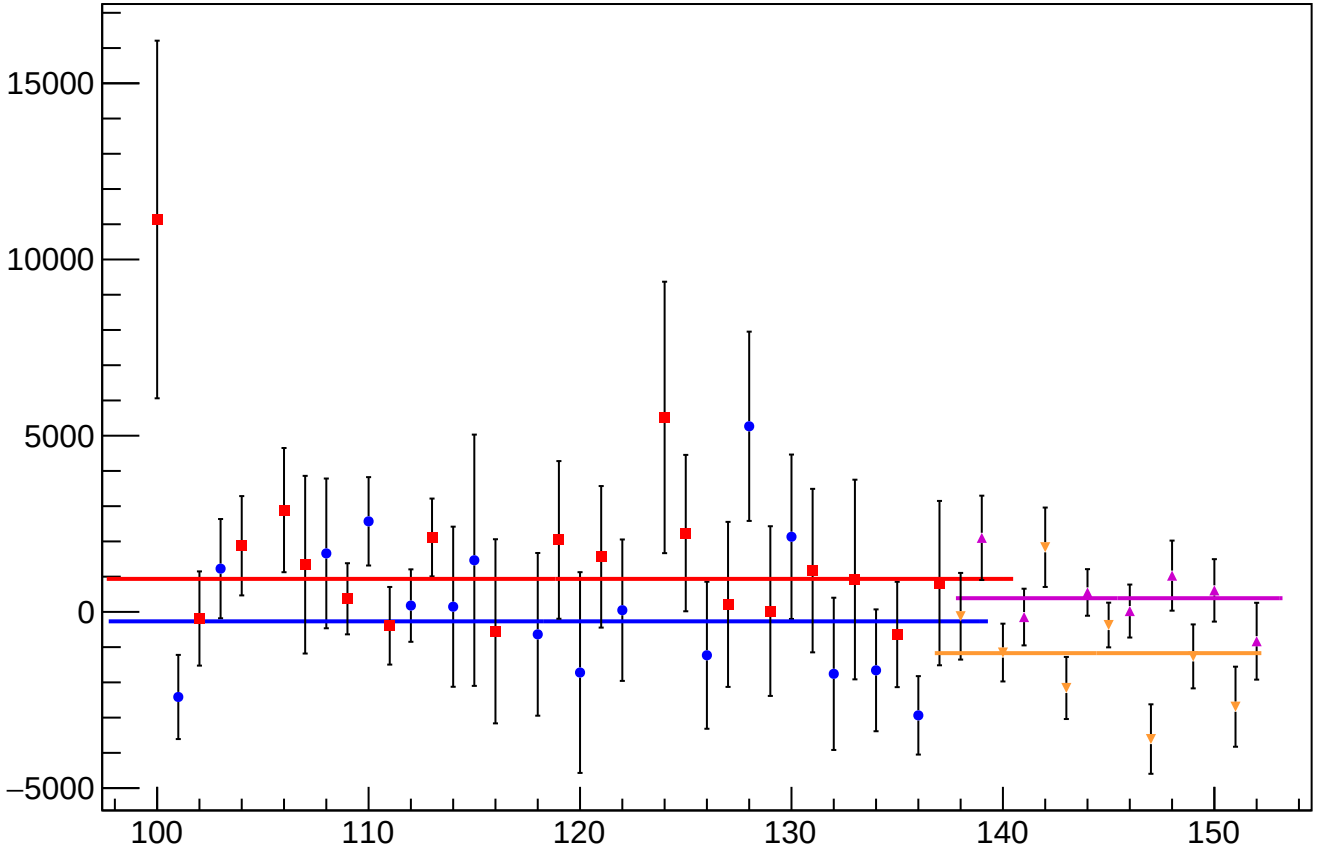
Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.297+/-0.021 χ^2/NDF:808487.7/22

Out: 103.442+/-0.021 χ^2/NDF:1146798.3/26

All: 103.370+/-0.015 χ^2/NDF: 1955311.2/49

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: 388.733+/-325.657 χ^2/NDF:4.5/6

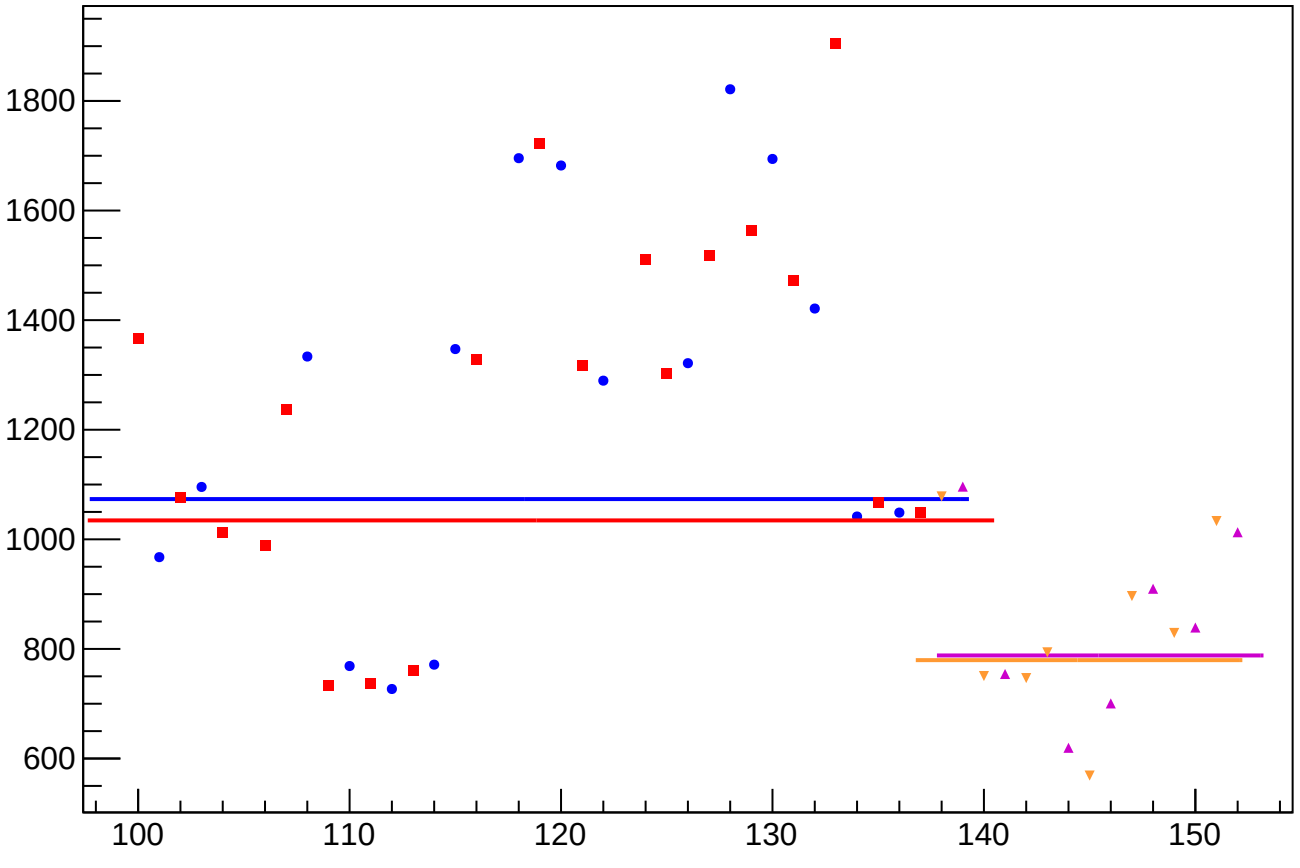
Left: -403.183+/-228.449 χ^2/NDF: 34.8/14

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 140.026+/-256.677 χ^2/NDF:29.5/22

Out: -336.901+/-249.213 χ^2/NDF:48.8/26

All: -105.473+/-178.801 χ^2/NDF: 80.1/49



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: 788.085+/-0.230 χ^2/NDF:414837.8/6

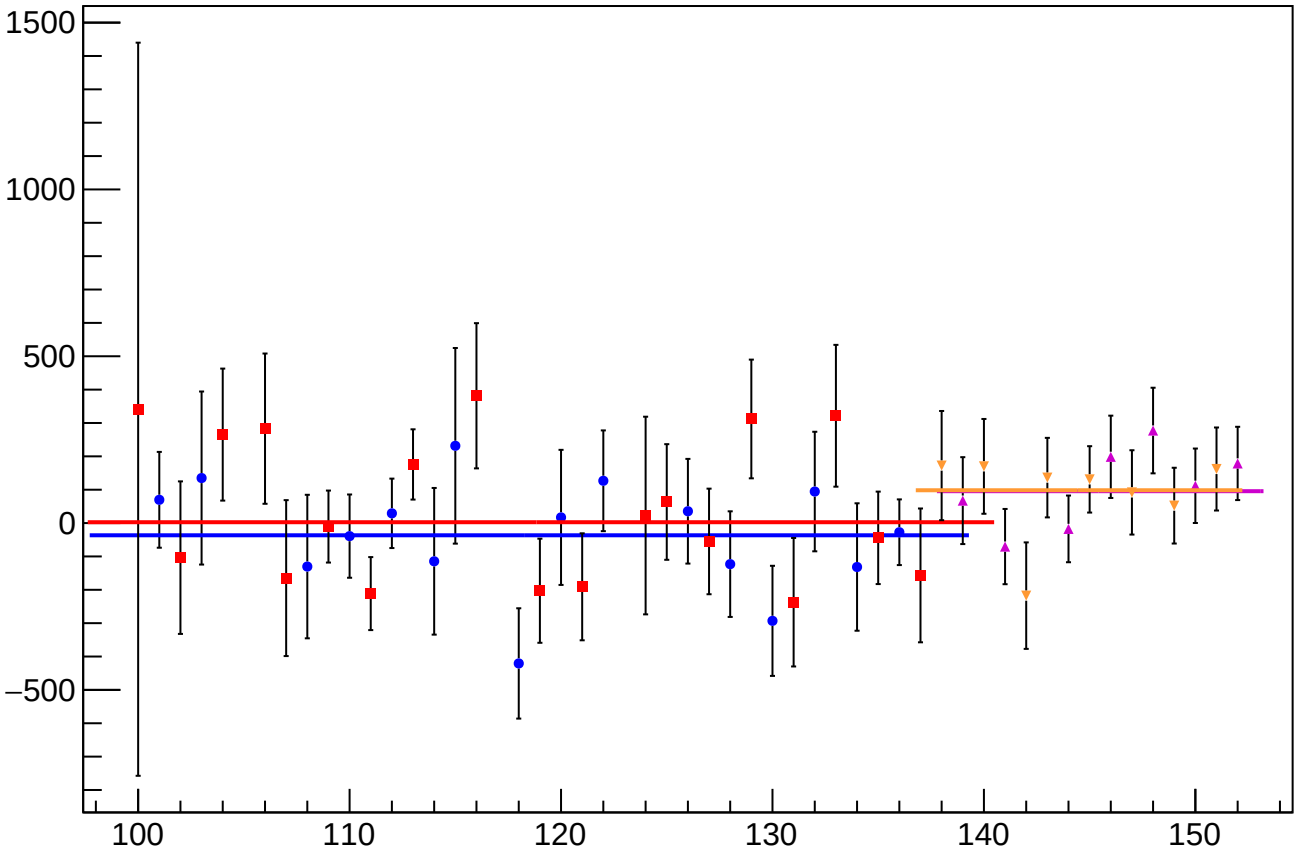
Left: 783.739+/-0.162 χ^2/NDF: 893085.1/14

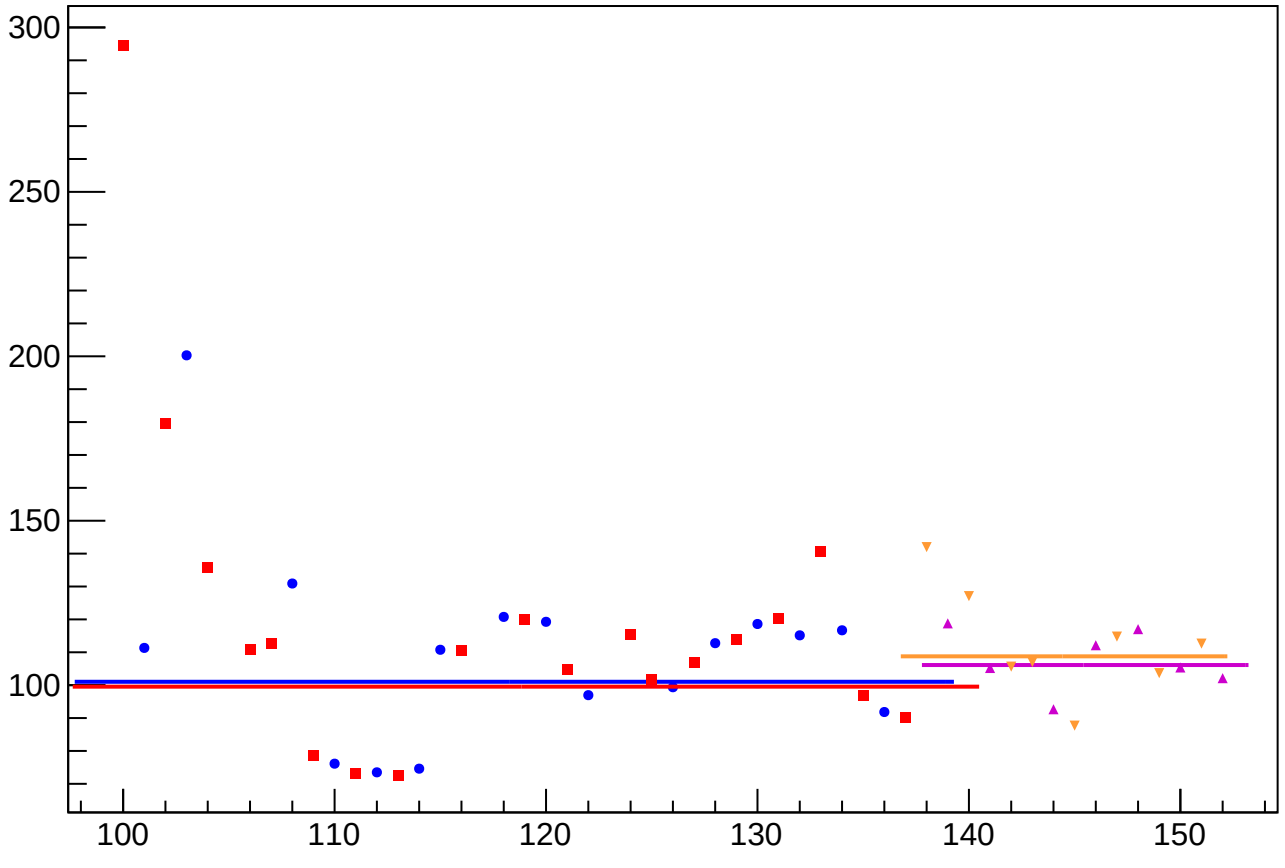
Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 896.175+/-0.181 χ^2/NDF:2073597.3/22

Out: 880.404+/-0.176 χ^2/NDF:2207576.4/26

All: 888.057+/-0.126 χ^2/NDF: 4285059.8/49


eigen_dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
Right In: -36.589+/-38.991 χ²/NDF: 12.9/15
Left Out: 98.357+/-44.617 χ²/NDF:5.0/7
Right Out: 2.566+/-38.165 χ²/NDF: 24.7/18
Left In: 95.558+/-43.546 χ²/NDF:6.8/6
Left: 96.924+/-31.163 χ²/NDF: 11.8/14
Right: -16.593+/-27.274 χ²/NDF: 38.1/34
In: 22.214+/-29.048 χ²/NDF:24.8/22
Out: 43.040+/-29.002 χ²/NDF:32.4/26
All: 32.643+/-20.524 χ²/NDF: 57.5/49



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: 106.123+/-0.031 χ^2/NDF:77213.0/6

Left: 107.413+/-0.022 χ^2/NDF: 297790.0/14

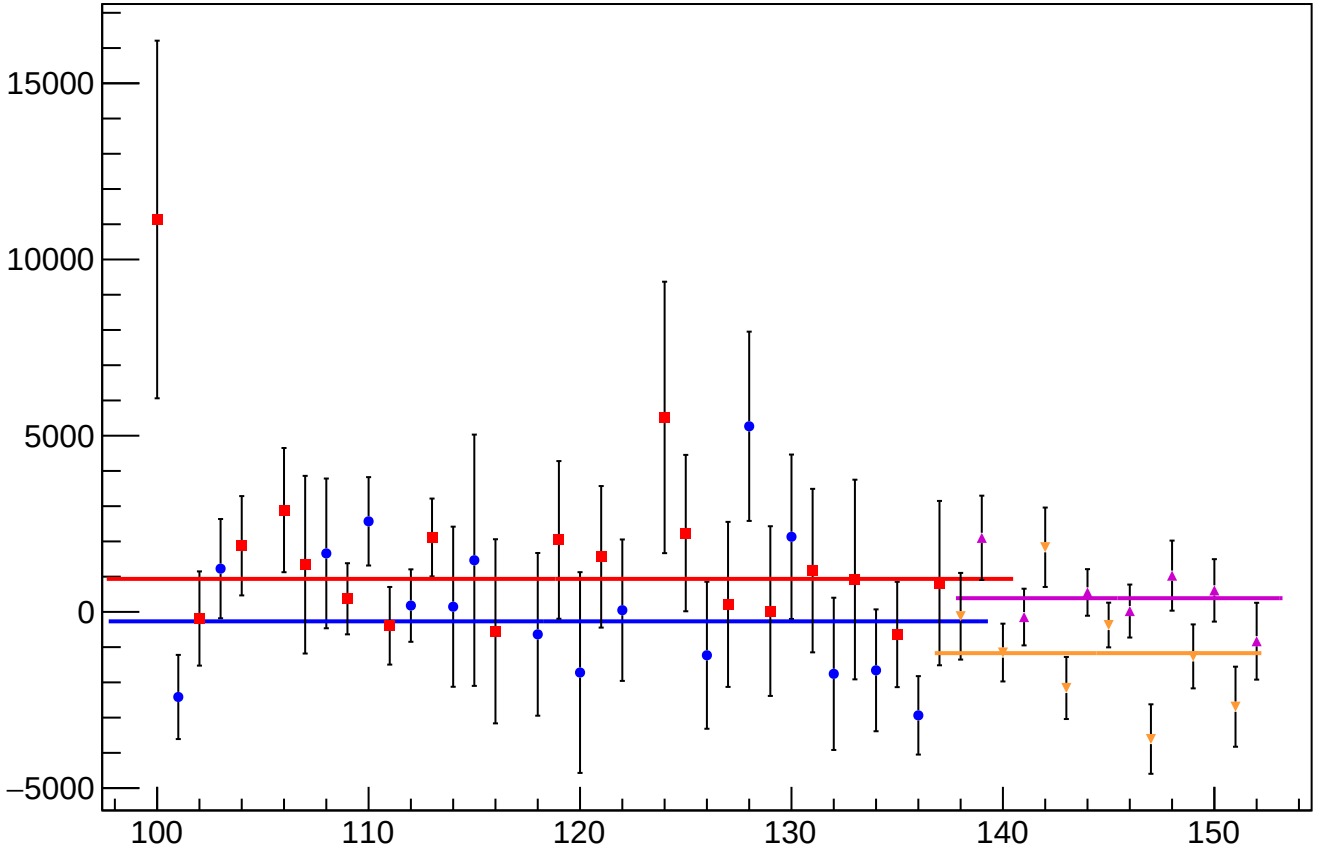
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.297+/-0.021 χ^2/NDF:808485.2/22

Out: 103.443+/-0.021 χ^2/NDF:1146797.0/26

All: 103.370+/-0.015 χ^2/NDF: 1955307.3/49

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: 388.732+/-325.657 χ^2/NDF:4.5/6

Left: -403.183+/-228.449 χ^2/NDF: 34.8/14

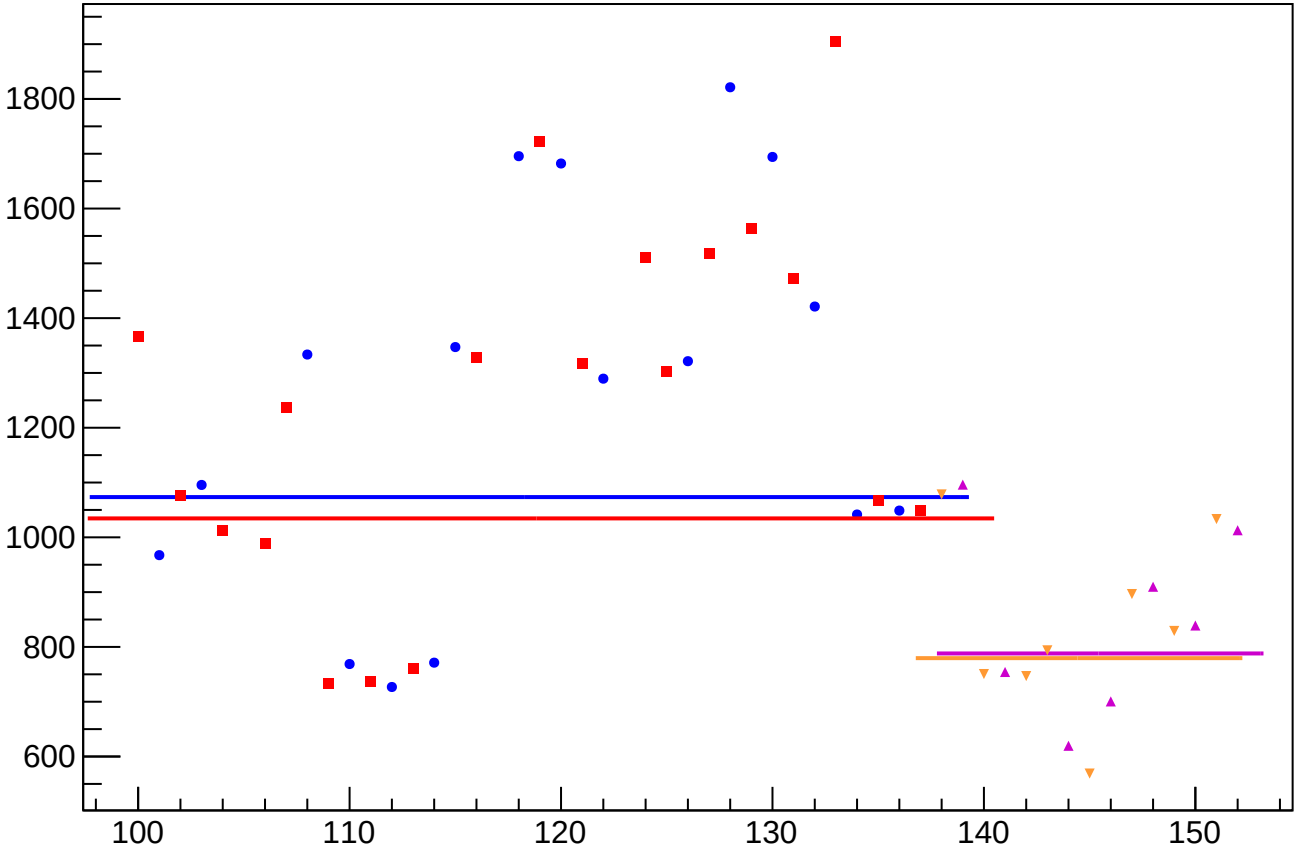
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 140.026+/-256.677 χ^2/NDF:29.5/22

Out: -336.902+/-249.212 χ^2/NDF:48.8/26

All: -105.473+/-178.800 χ^2/NDF: 80.1/49

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: 788.084+/-0.230 χ^2/NDF:414837.8/6

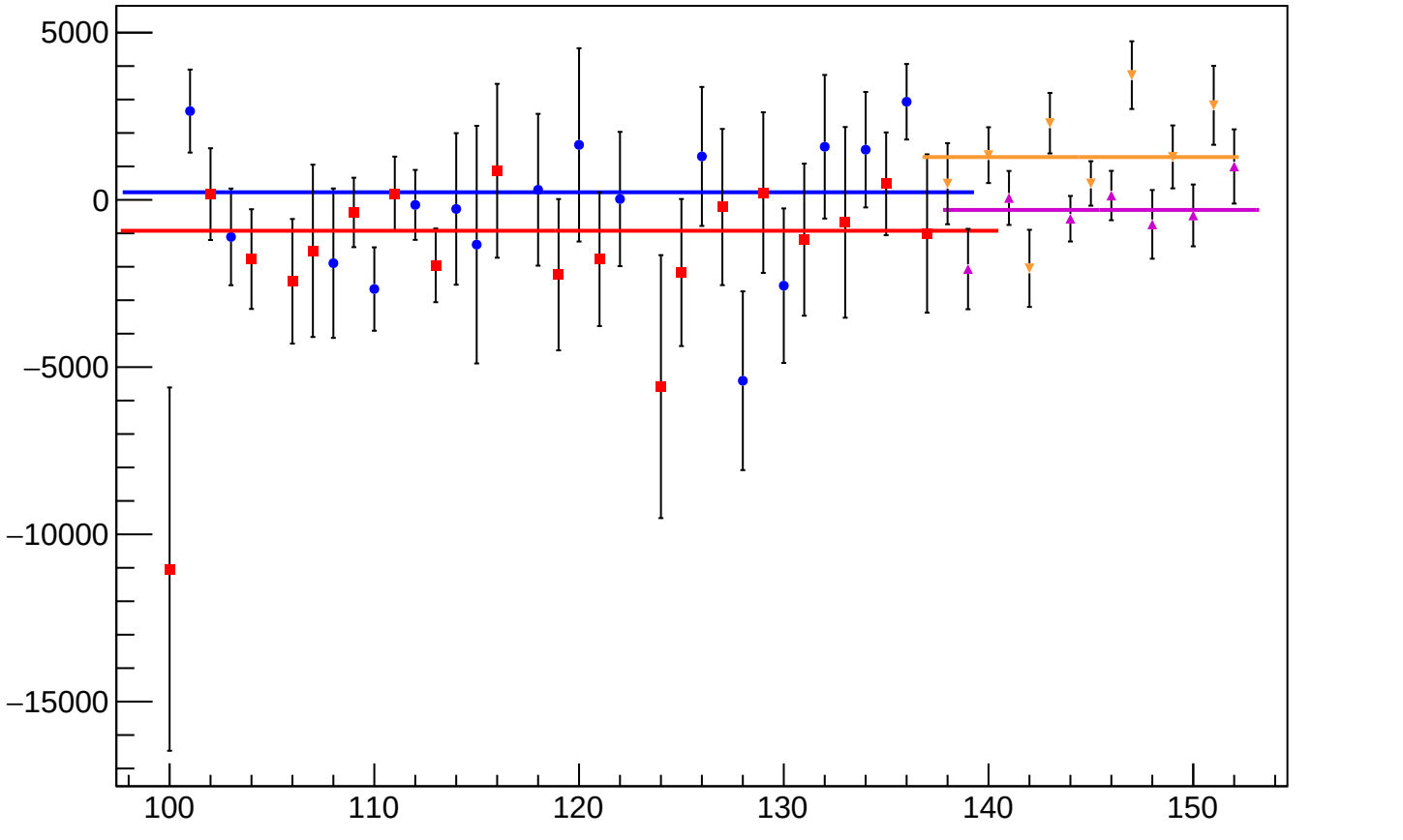
Left: 783.738+/-0.162 χ^2/NDF: 893088.6/14

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 896.173+/-0.181 χ^2/NDF:2073599.6/22

Out: 880.403+/-0.176 χ^2/NDF:2207581.9/26

All: 888.056+/-0.126 χ^2/NDF: 4285067.8/49



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: -300.604+/-330.520 χ^2/NDF:4.4/6

Left: 490.518+/-233.562 χ^2/NDF: 34.9/14

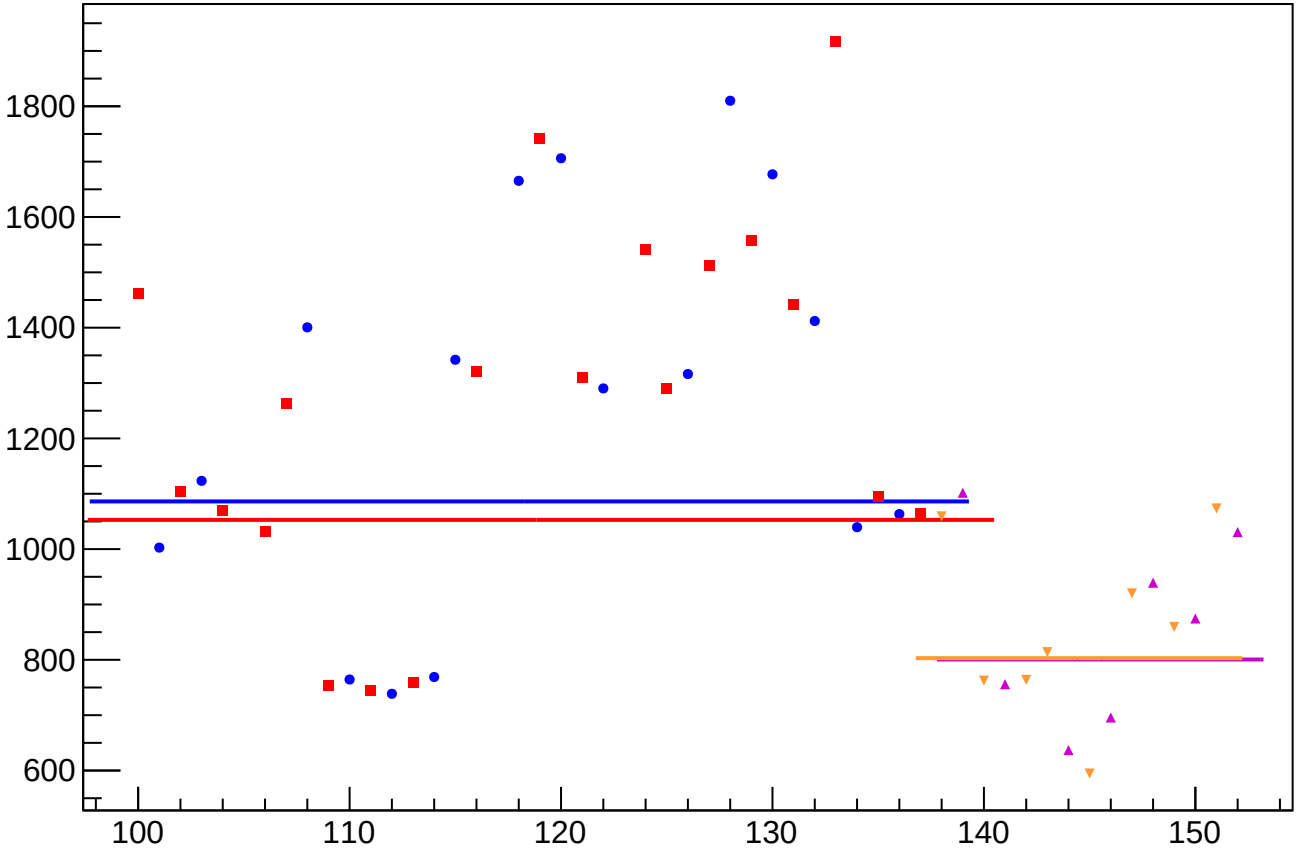
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -99.719+/-260.171 χ^2/NDF:29.8/22

Out: 395.210+/-255.390 χ^2/NDF:48.1/26

All: 152.335+/-182.255 χ^2/NDF: 79.7/49

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: 800.574+/-0.234 χ^2/NDF:423059.3/6

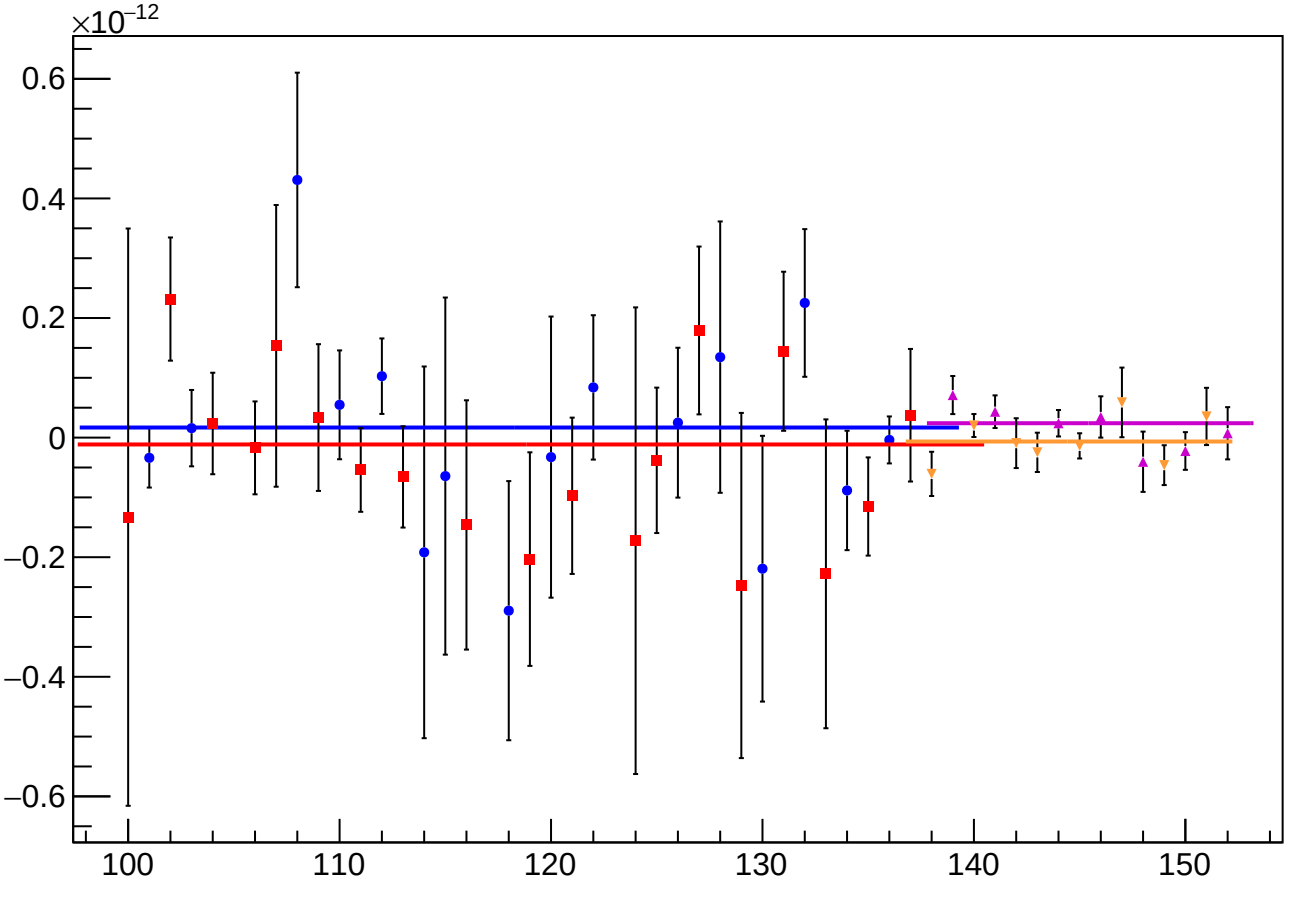
Left: 801.794+/-0.165 χ^2/NDF: 855234.1/14

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 909.199+/-0.184 χ^2/NDF:2038428.9/22

Out: 903.289+/-0.181 χ^2/NDF:2086362.6/26

All: 906.189+/-0.129 χ^2/NDF: 4125317.0/49



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:6.7/6

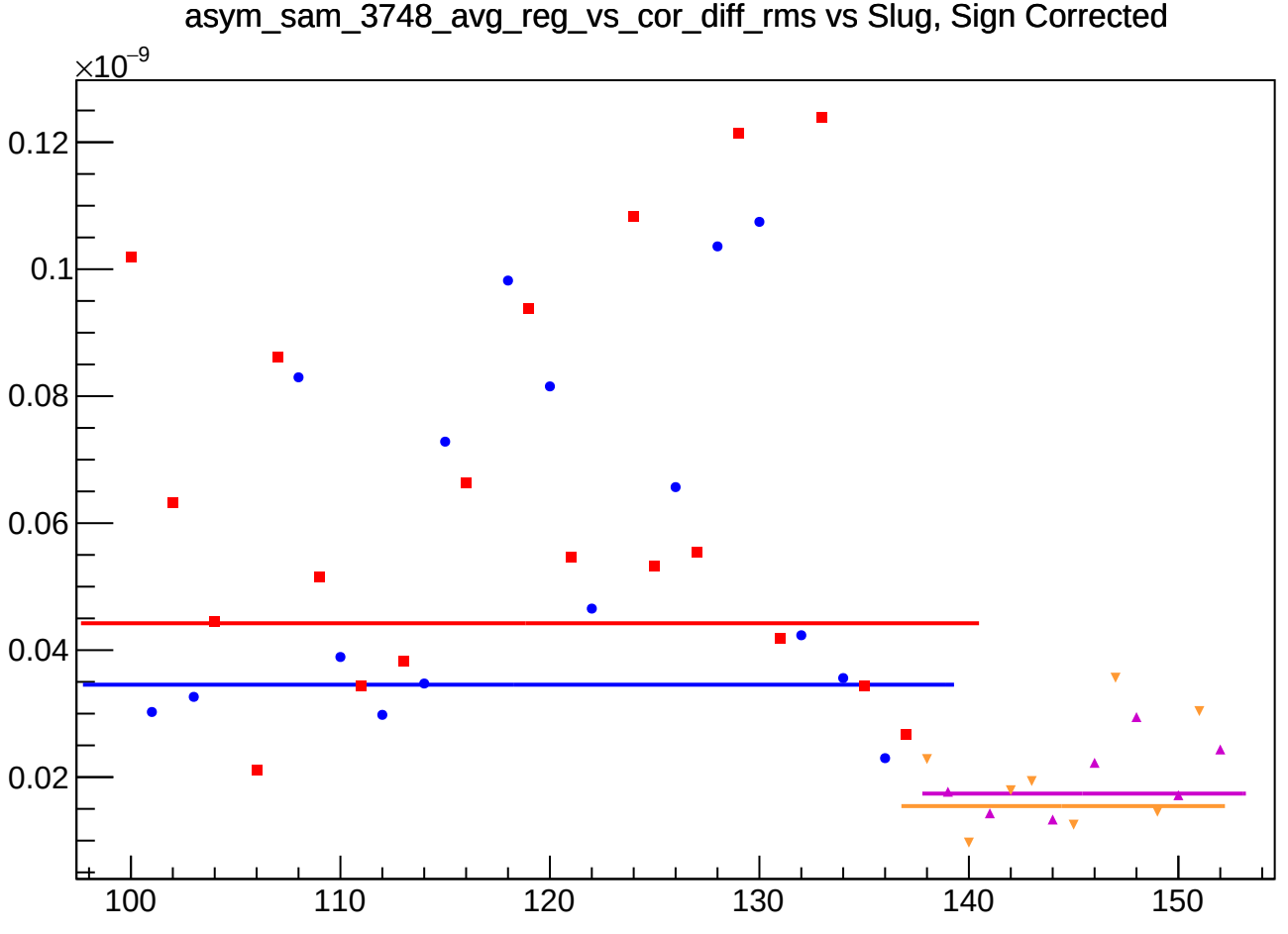
Left: 0.000+/-0.000 χ^2/NDF: 18.4/14

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:23.7/22

Out: -0.000+/-0.000 χ^2/NDF:23.8/26

All: 0.000+/-0.000 χ^2/NDF: 51.8/49



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:298666.7/6

Left: 0.000+/-0.000 χ^2/NDF: 1100639.2/14

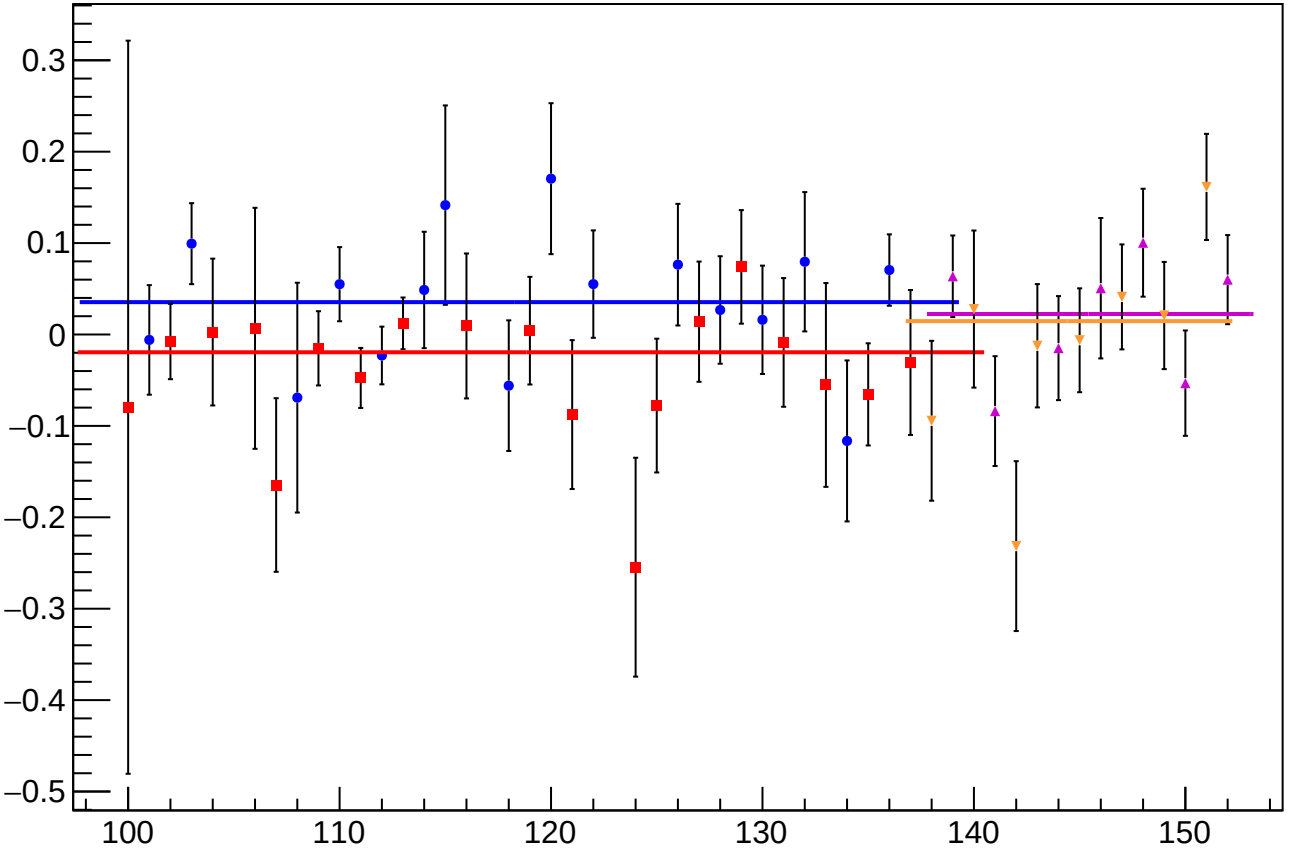
Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2441988.4/22

Out: 0.000+/-0.000 χ^2/NDF:3826568.3/26

All: 0.000+/-0.000 χ^2/NDF: 6306069.7/49

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.024 χ^2/NDF:15.5/7

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.022+/-0.021 χ^2/NDF:8.6/6

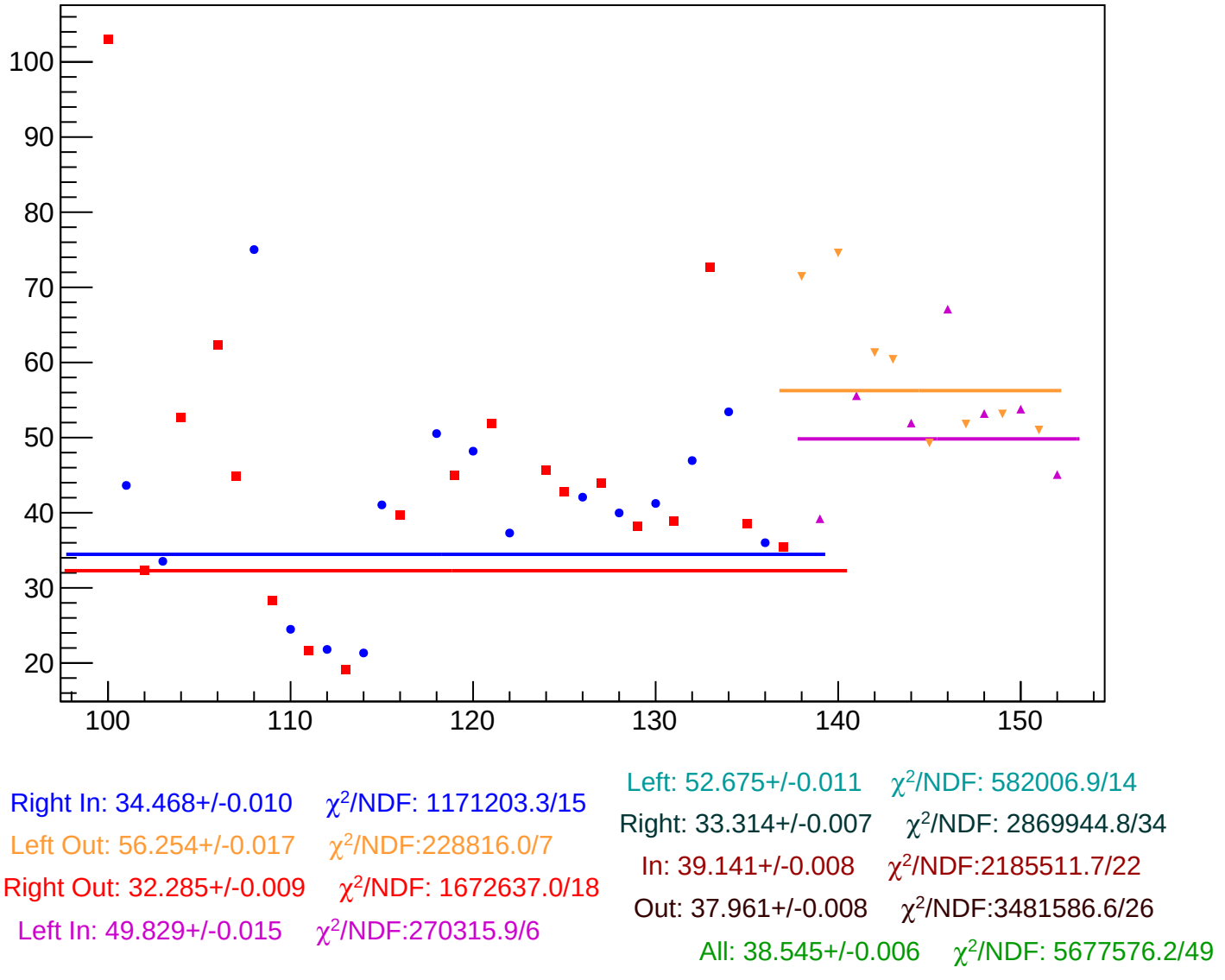
Left: 0.019+/-0.016 χ^2/NDF: 24.2/14

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.031+/-0.012 χ^2/NDF:25.8/22

Out: -0.011+/-0.011 χ^2/NDF:30.5/26

All: 0.010+/-0.008 χ^2/NDF: 63.2/49


asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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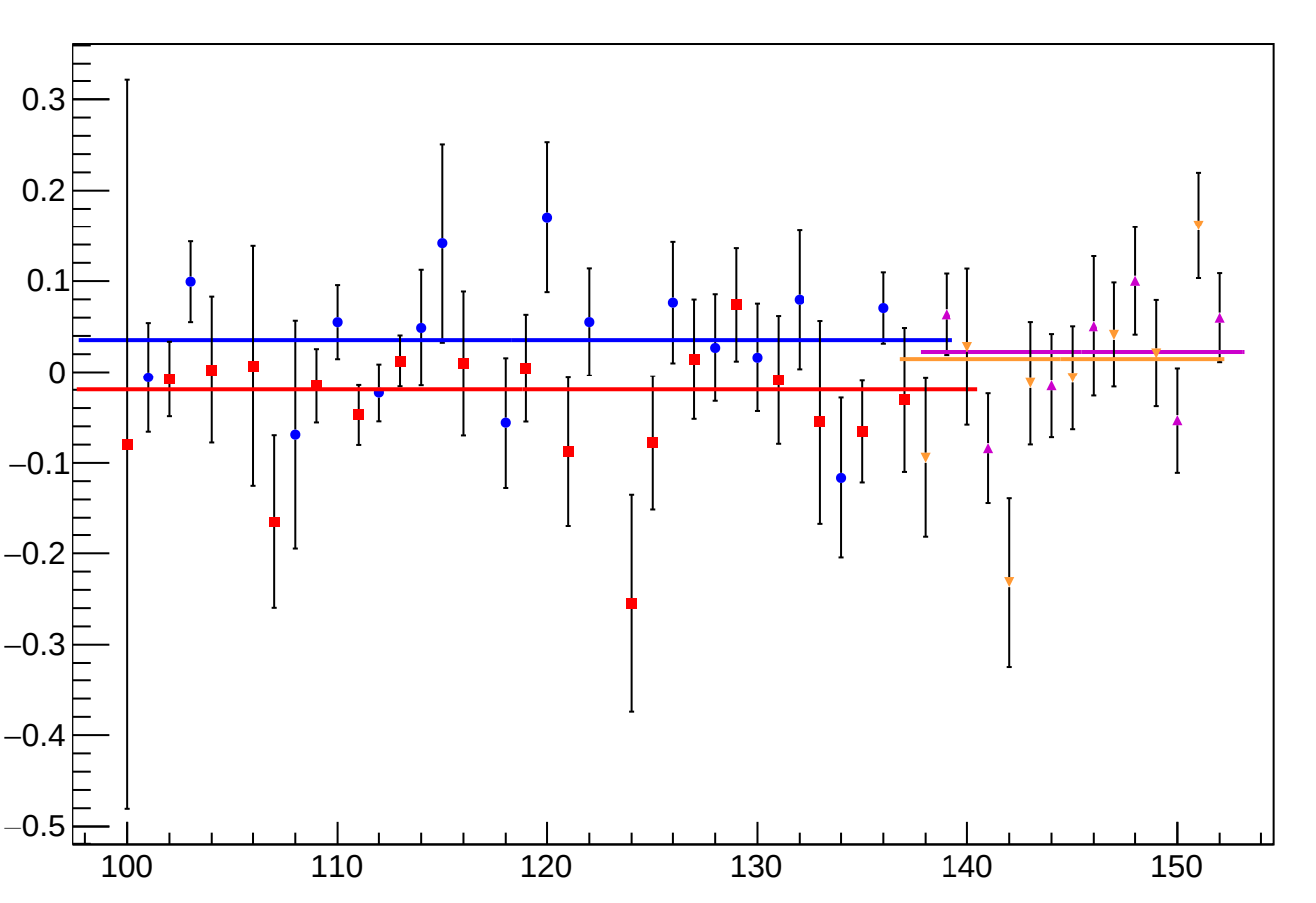
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 56.254+/-0.017 χ²/NDF:228816.0/7
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 49.829+/-0.015 χ²/NDF:270315.9/6
Left: 52.675+/-0.011 χ²/NDF: 582006.9/14
Right: 33.314+/-0.007 χ²/NDF: 2869944.8/34
In: 39.141+/-0.008 χ²/NDF:2185511.7/22
Out: 37.961+/-0.008 χ²/NDF:3481586.6/26
All: 38.545+/-0.006 χ²/NDF: 5677576.2/49



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: 0.022+/-0.021 χ^2/NDF:8.6/6

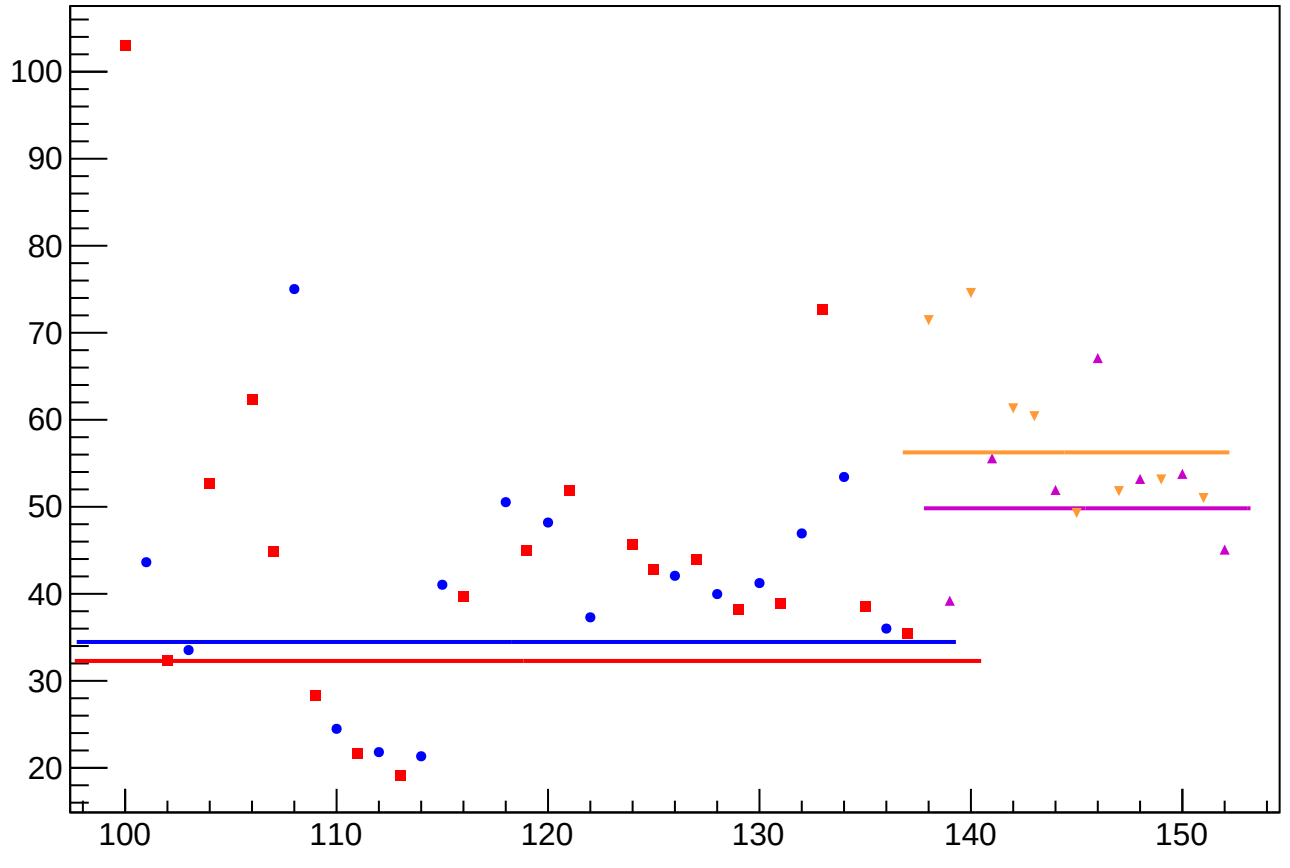
Left: 0.019+/-0.016 χ^2/NDF: 24.2/14

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.031+/-0.012 χ^2/NDF:25.8/22

Out: -0.011+/-0.011 χ^2/NDF:30.5/26

All: 0.010+/-0.008 χ^2/NDF: 63.2/49



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: 49.829+/-0.015 χ^2/NDF:270315.9/6

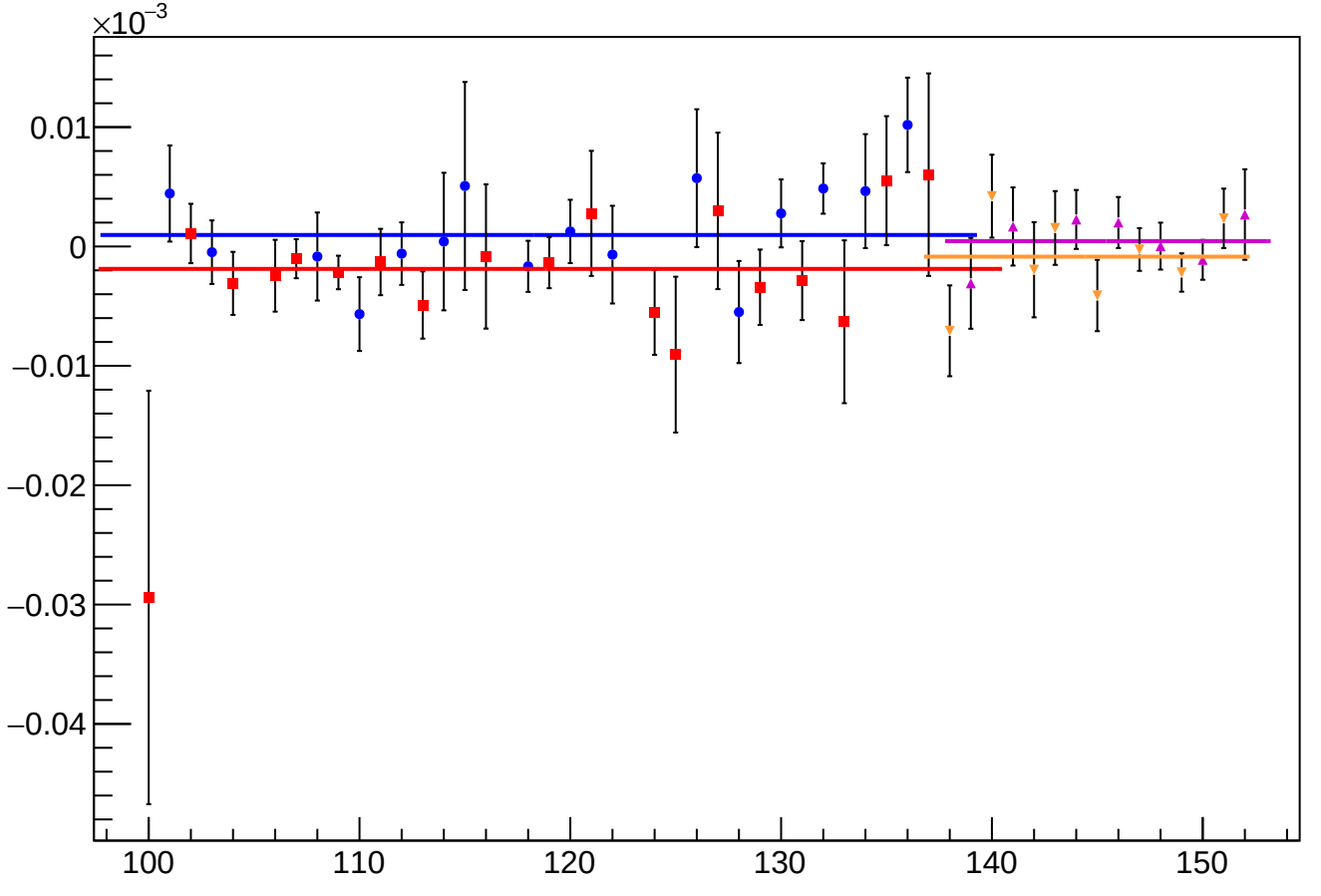
Left: 52.675+/-0.011 χ^2/NDF: 582006.9/14

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.141+/-0.008 χ^2/NDF:2185511.7/22

Out: 37.961+/-0.008 χ^2/NDF:3481586.6/26

All: 38.545+/-0.006 χ^2/NDF: 5677576.2/49



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:3.3/6

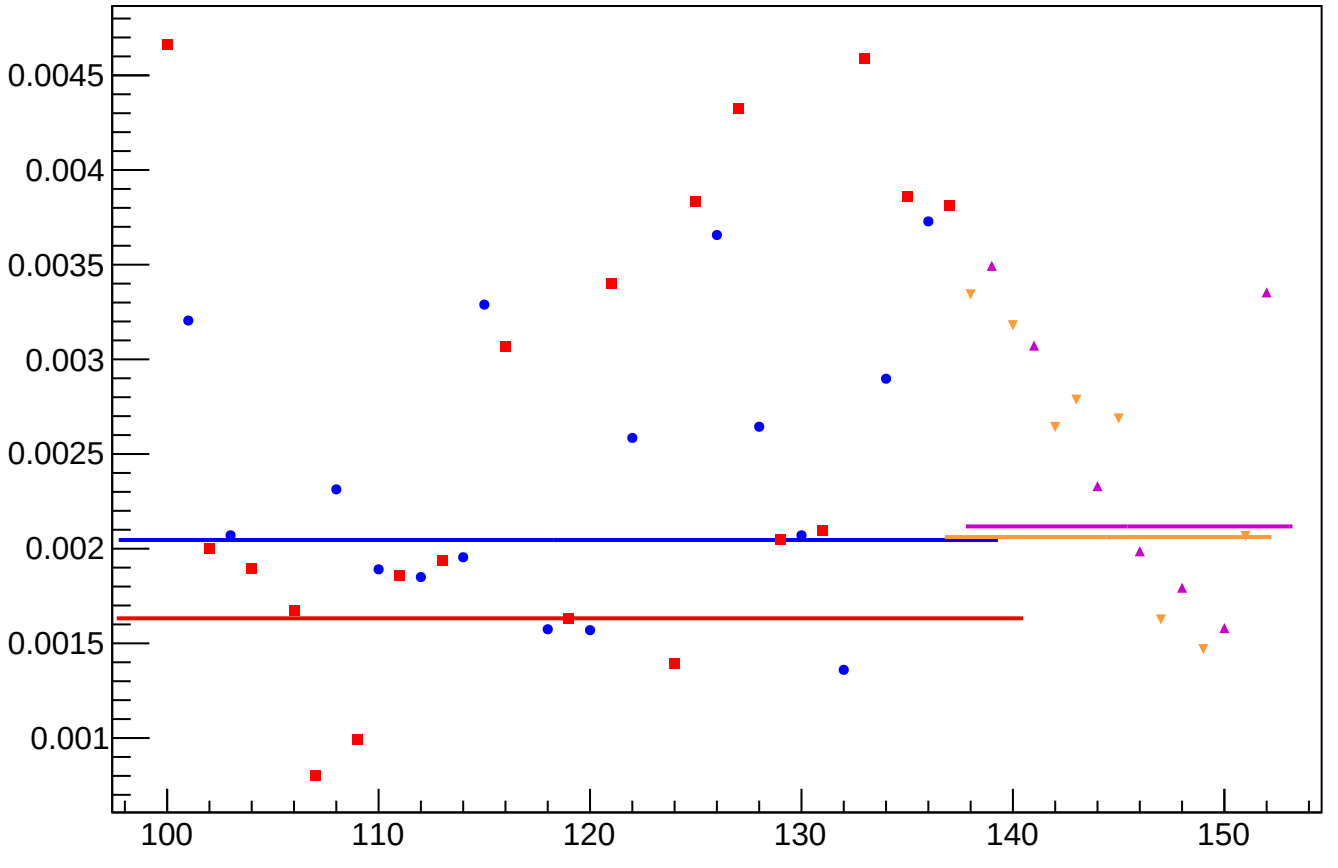
Left: -0.000+/-0.000 χ^2/NDF: 13.5/14

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:24.5/22

Out: -0.000+/-0.000 χ^2/NDF:22.8/26

All: -0.000+/-0.000 χ^2/NDF: 55.0/49



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1063594.2/7

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:926664.8/6

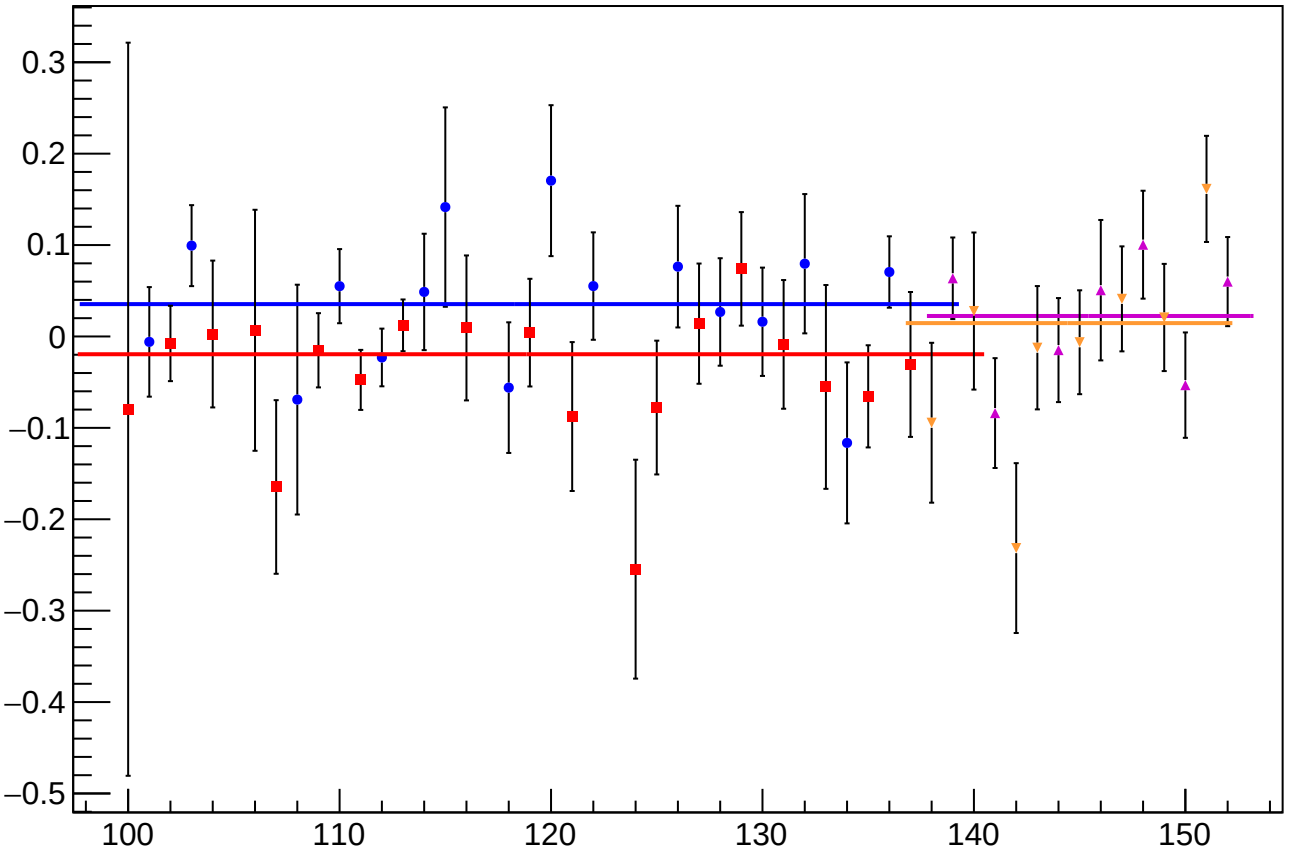
Left: 0.002+/-0.000 χ^2/NDF: 1994226.3/14

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:2194139.7/22

Out: 0.002+/-0.000 χ^2/NDF:4293634.4/26

All: 0.002+/-0.000 χ^2/NDF: 6744562.5/49



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: 0.022+/-0.021 χ^2/NDF:8.6/6

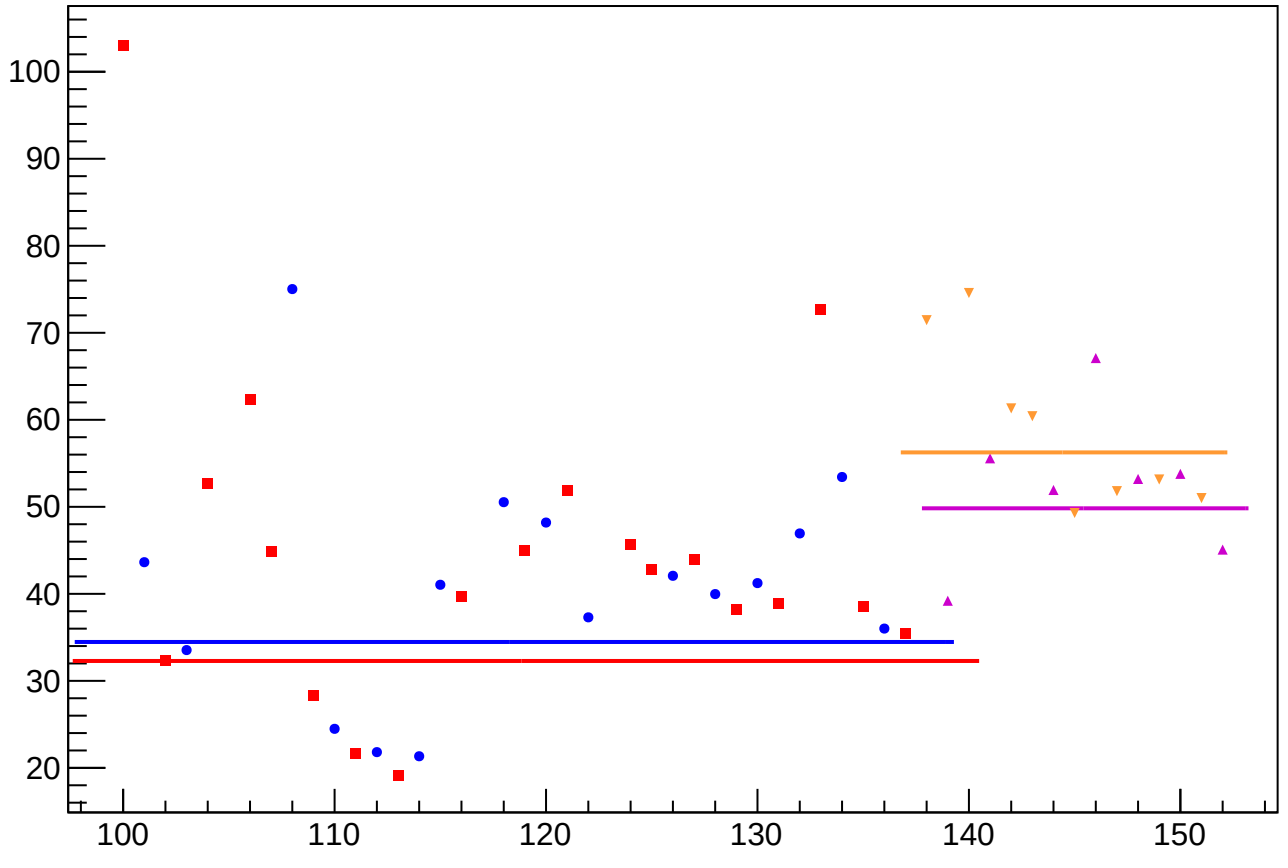
Left: 0.019+/-0.016 χ^2/NDF: 24.2/14

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.031+/-0.012 χ^2/NDF:25.8/22

Out: -0.011+/-0.011 χ^2/NDF:30.5/26

All: 0.010+/-0.008 χ^2/NDF: 63.2/49



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: 49.829+/-0.015 χ^2/NDF:270325.6/6

Left: 52.676+/-0.011 χ^2/NDF: 582002.2/14

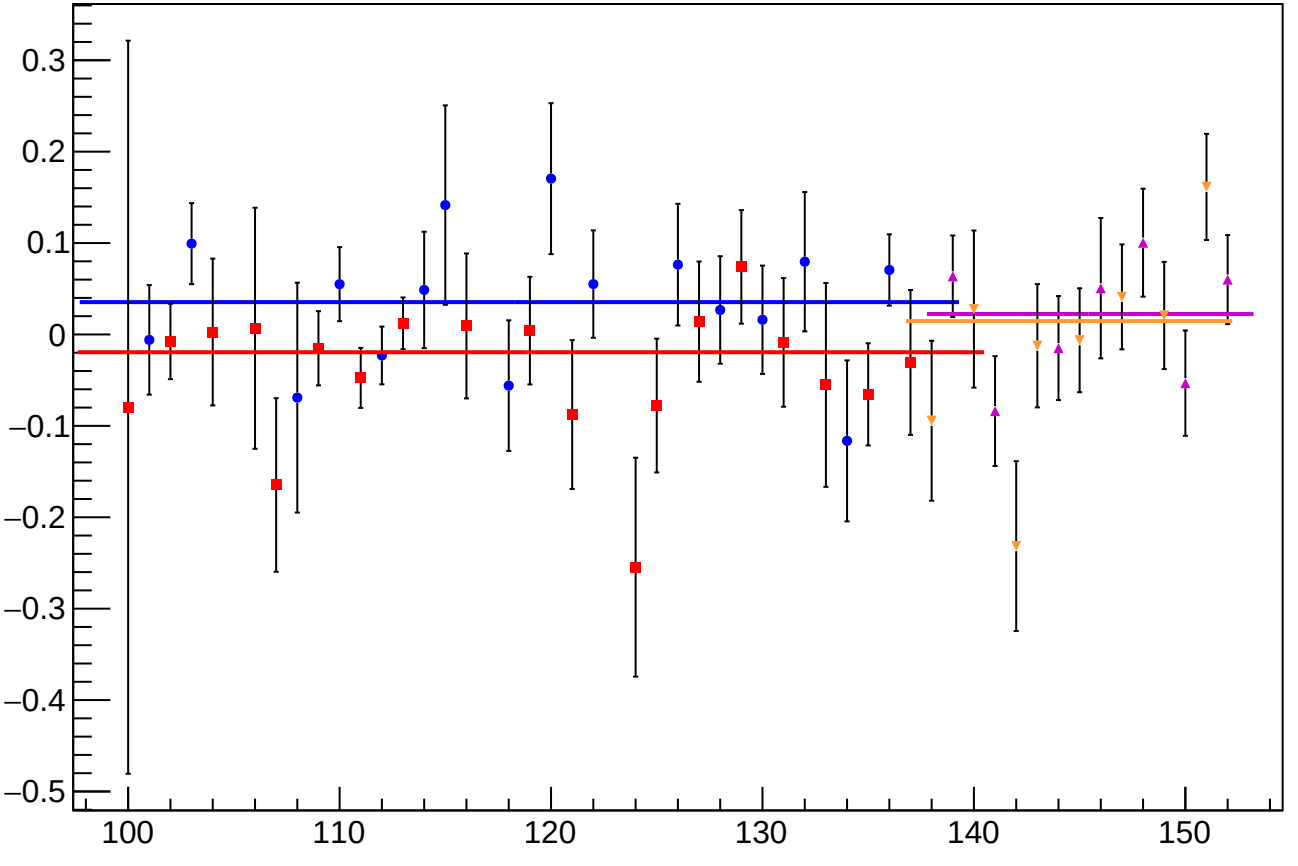
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 39.142+/-0.008 χ^2/NDF:2185487.7/22

Out: 37.962+/-0.008 χ^2/NDF:3481568.5/26

All: 38.545+/-0.006 χ^2/NDF: 5677532.9/49

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: 0.022+/-0.021 χ^2/NDF:8.6/6

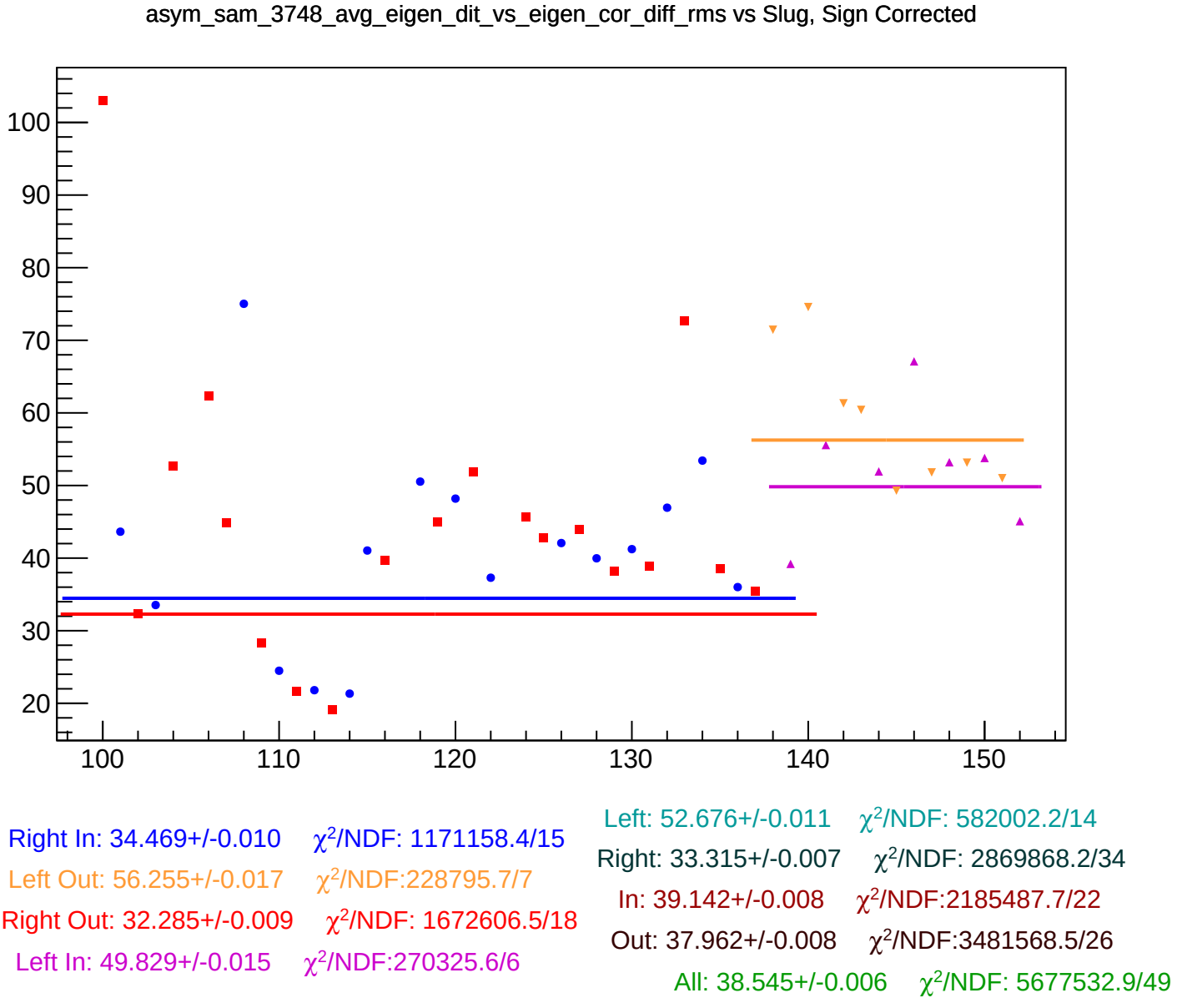
Left: 0.019+/-0.016 χ^2/NDF: 24.2/14

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.031+/-0.012 χ^2/NDF:25.8/22

Out: -0.011+/-0.011 χ^2/NDF:30.5/26

All: 0.010+/-0.008 χ^2/NDF: 63.2/49


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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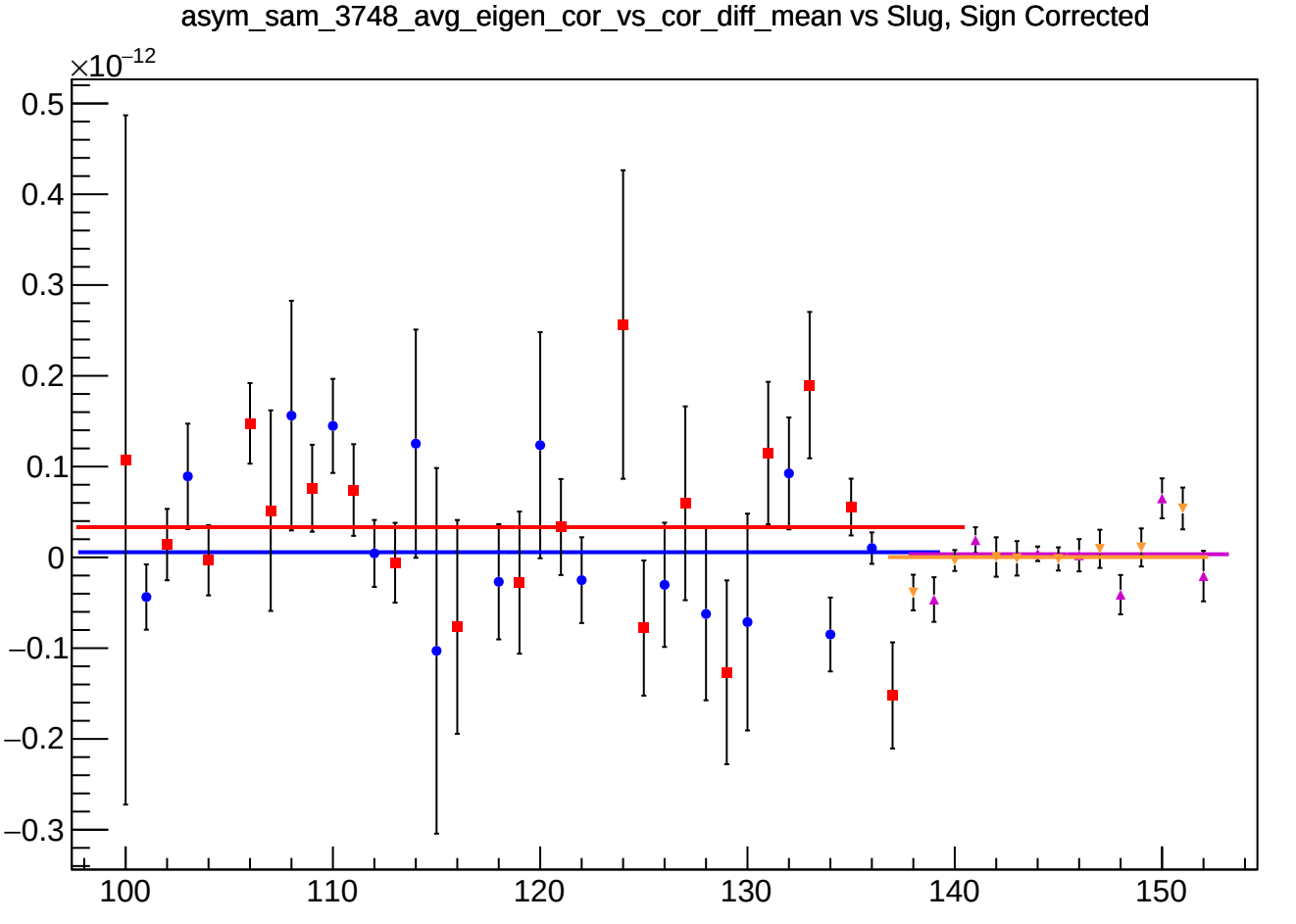
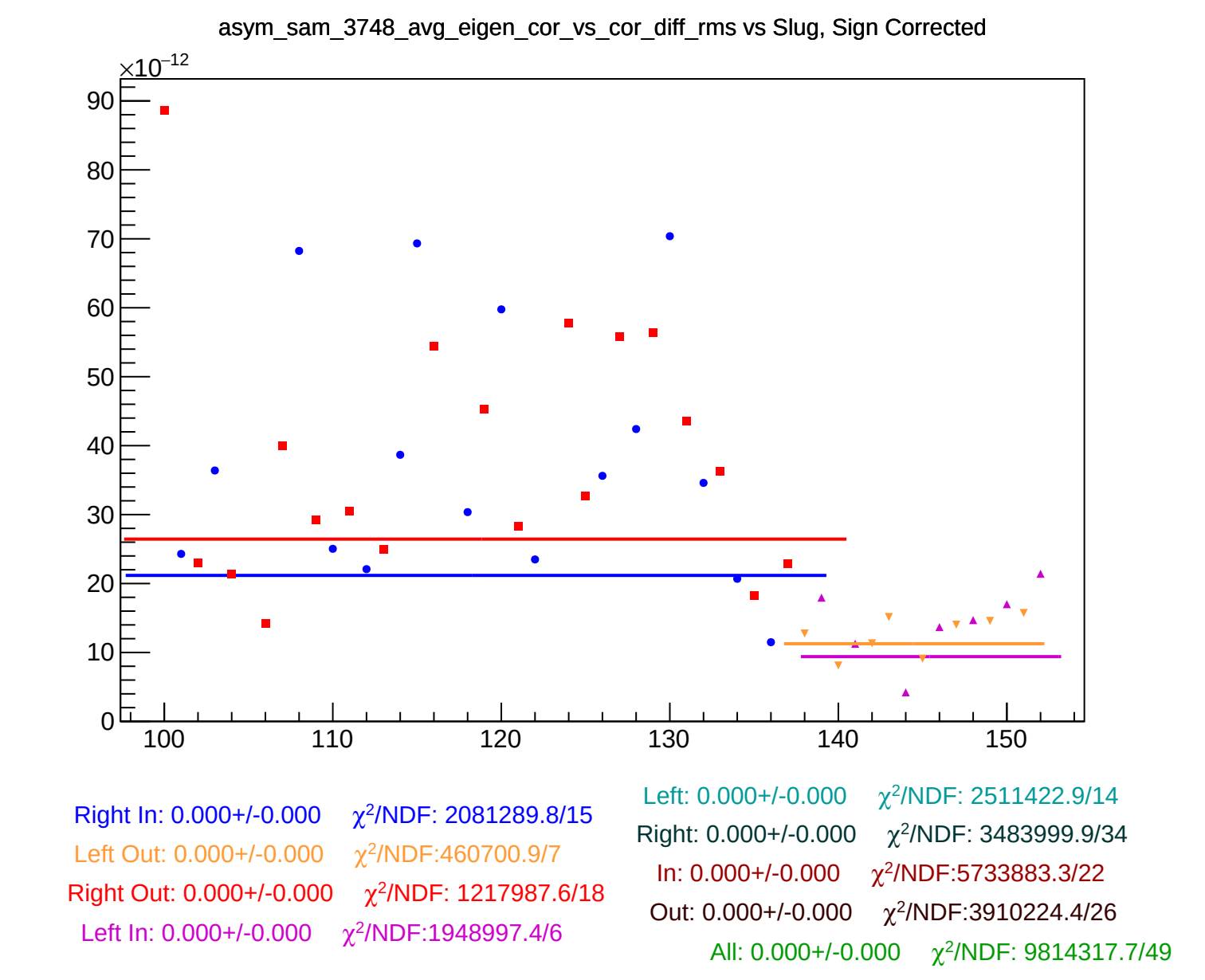
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 56.255+/-0.017 χ²/NDF:228795.7/7
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 49.829+/-0.015 χ²/NDF:270325.6/6
Left: 52.676+/-0.011 χ²/NDF: 582002.2/14
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 39.142+/-0.008 χ²/NDF:2185487.7/22
Out: 37.962+/-0.008 χ²/NDF:3481568.5/26
All: 38.545+/-0.006 χ²/NDF: 5677532.9/49


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:18.1/6
Left: 0.000+/-0.000 χ²/NDF: 28.2/14
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:41.7/22
Out: 0.000+/-0.000 χ²/NDF:48.7/26
All: 0.000+/-0.000 χ²/NDF: 90.5/49


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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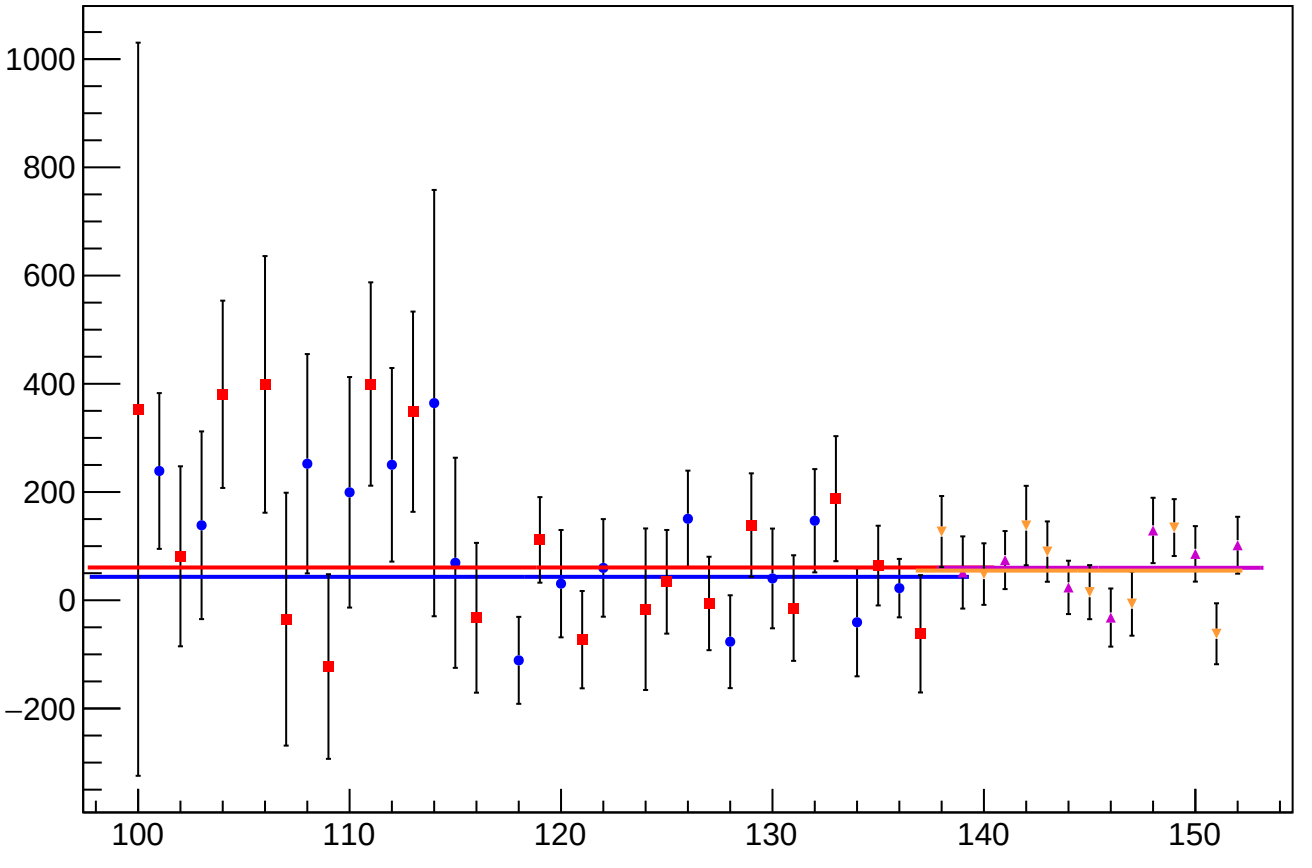
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:460700.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:1948997.4/6
Left: 0.000+/-0.000 χ²/NDF: 2511422.9/14
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:5733883.3/22
Out: 0.000+/-0.000 χ²/NDF:3910224.4/26
All: 0.000+/-0.000 χ²/NDF: 9814317.7/49



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: 60.005+/-20.640 χ^2/NDF:5.7/6

Left: 57.368+/-14.496 χ^2/NDF: 17.0/14

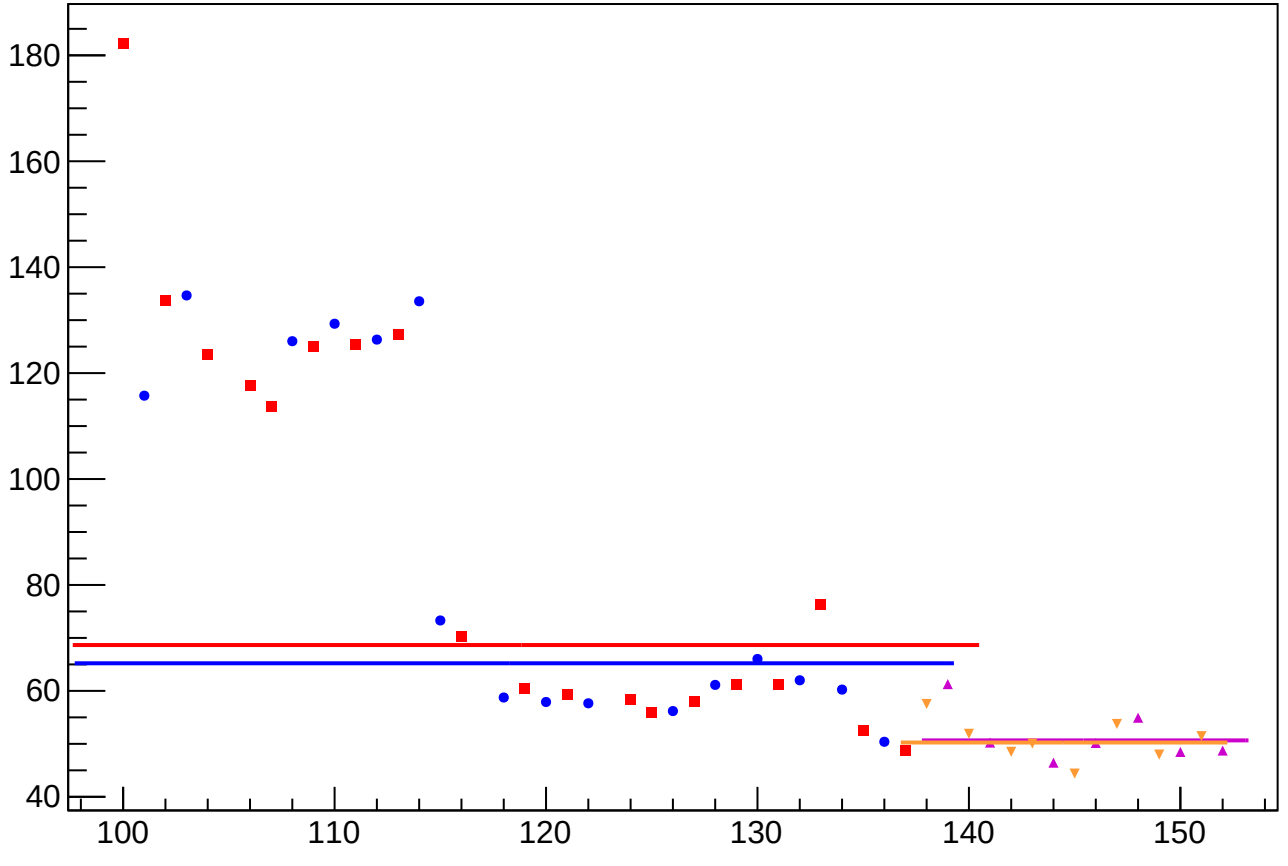
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 53.459+/-16.112 χ^2/NDF:21.0/22

Out: 56.907+/-16.235 χ^2/NDF:31.6/26

All: 55.170+/-11.436 χ^2/NDF: 52.6/49

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: 50.654+/-0.015 χ^2/NDF:81925.1/6

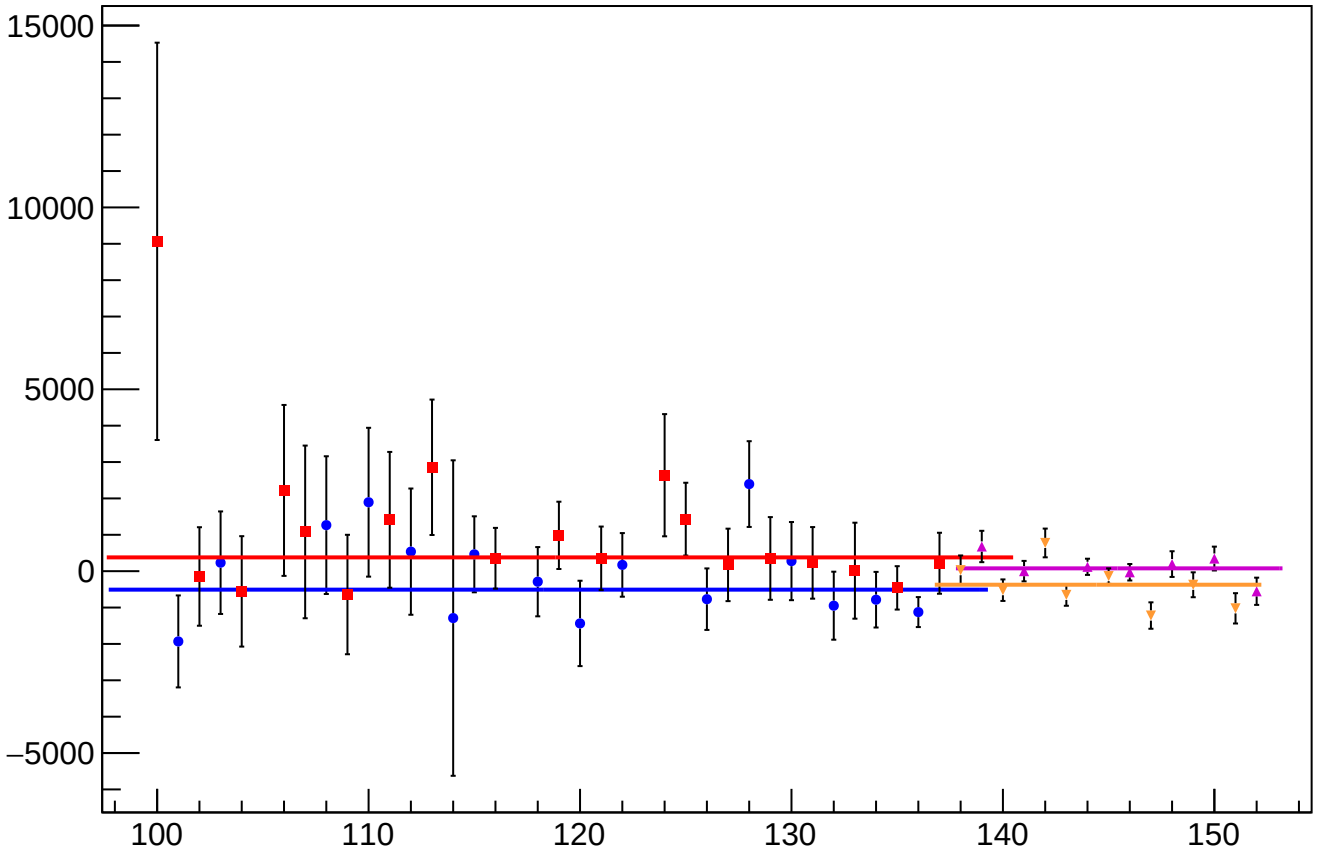
Left: 50.451+/-0.010 χ^2/NDF: 148879.5/14

Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 56.341+/-0.011 χ^2/NDF:1917097.4/22

Out: 56.959+/-0.011 χ^2/NDF:2302709.3/26

All: 56.648+/-0.008 χ^2/NDF: 4221270.4/49



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: 77.325+/-110.316 χ^2/NDF:5.9/6

Left: -143.242+/-78.752 χ^2/NDF: 33.7/14

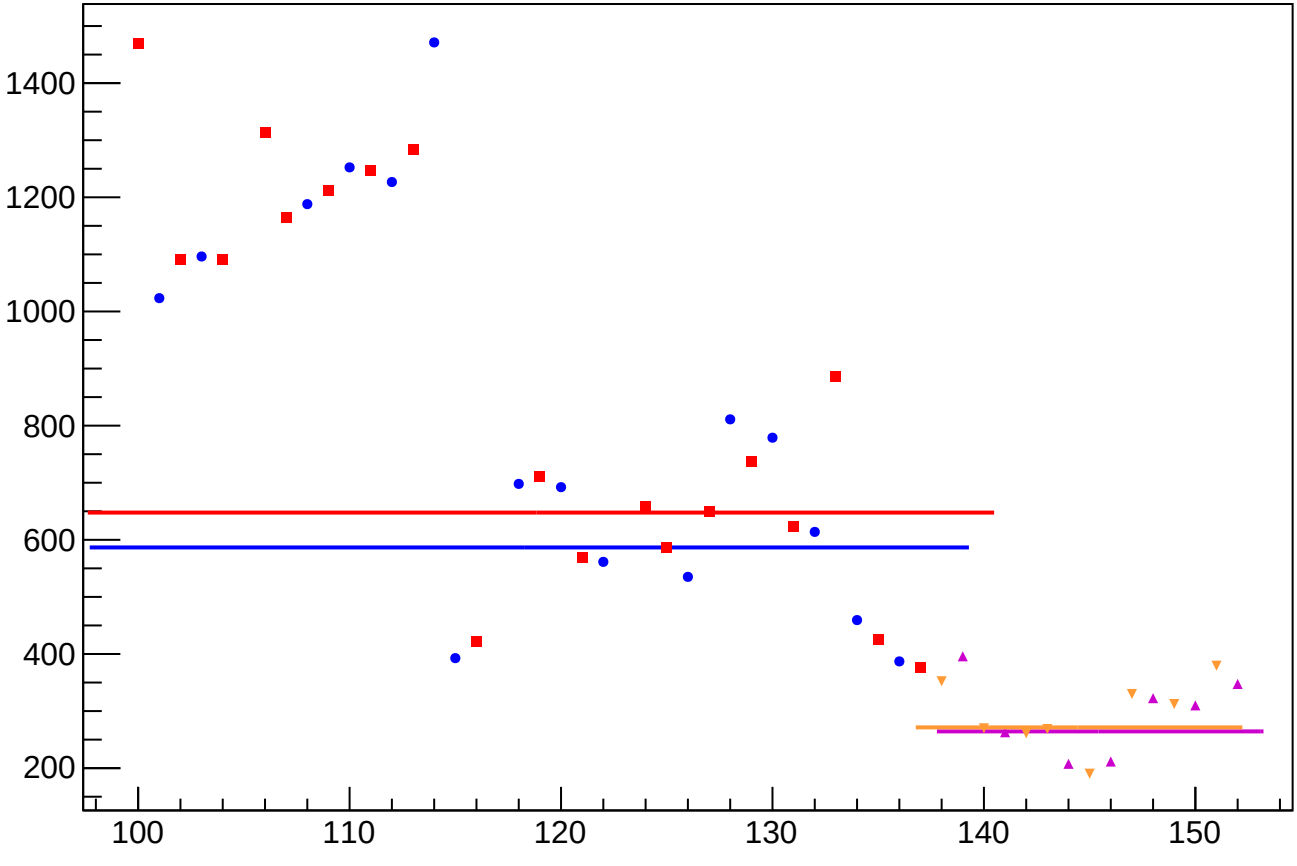
Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -26.936+/-100.008 χ^2/NDF:26.5/22

Out: -251.245+/-102.989 χ^2/NDF:38.6/26

All: -135.797+/-71.747 χ^2/NDF: 67.6/49

asym_sam_1526_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 271.437+/-0.080 χ^2/NDF:586515.7/7

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 264.415+/-0.078 χ^2/NDF:616658.7/6

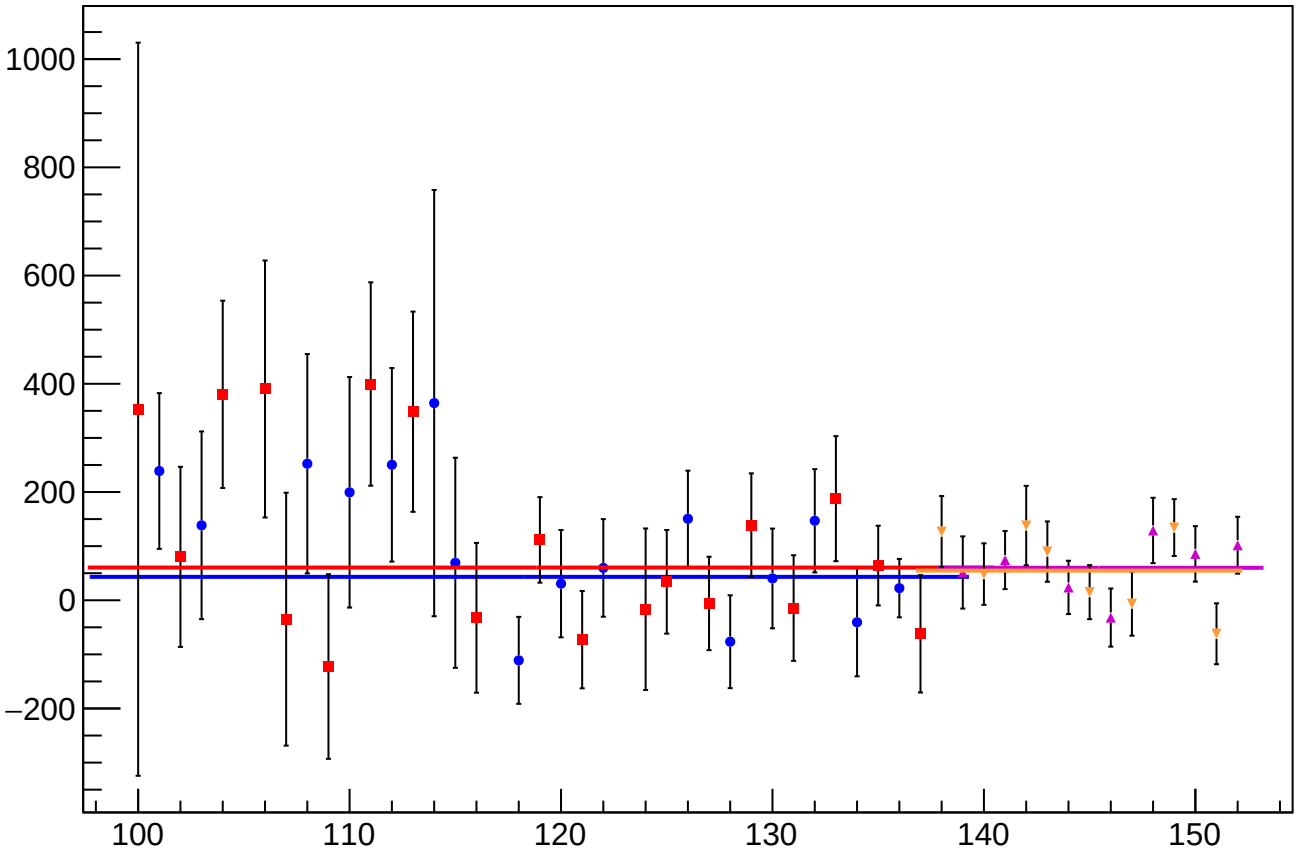
Left: 267.858+/-0.056 χ^2/NDF: 1207148.1/14

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 321.819+/-0.071 χ^2/NDF:5709714.3/22

Out: 332.146+/-0.073 χ^2/NDF:6304802.4/26

All: 326.831+/-0.051 χ^2/NDF: 12024866.7/49



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: 60.004+/-20.640 χ^2/NDF:5.7/6

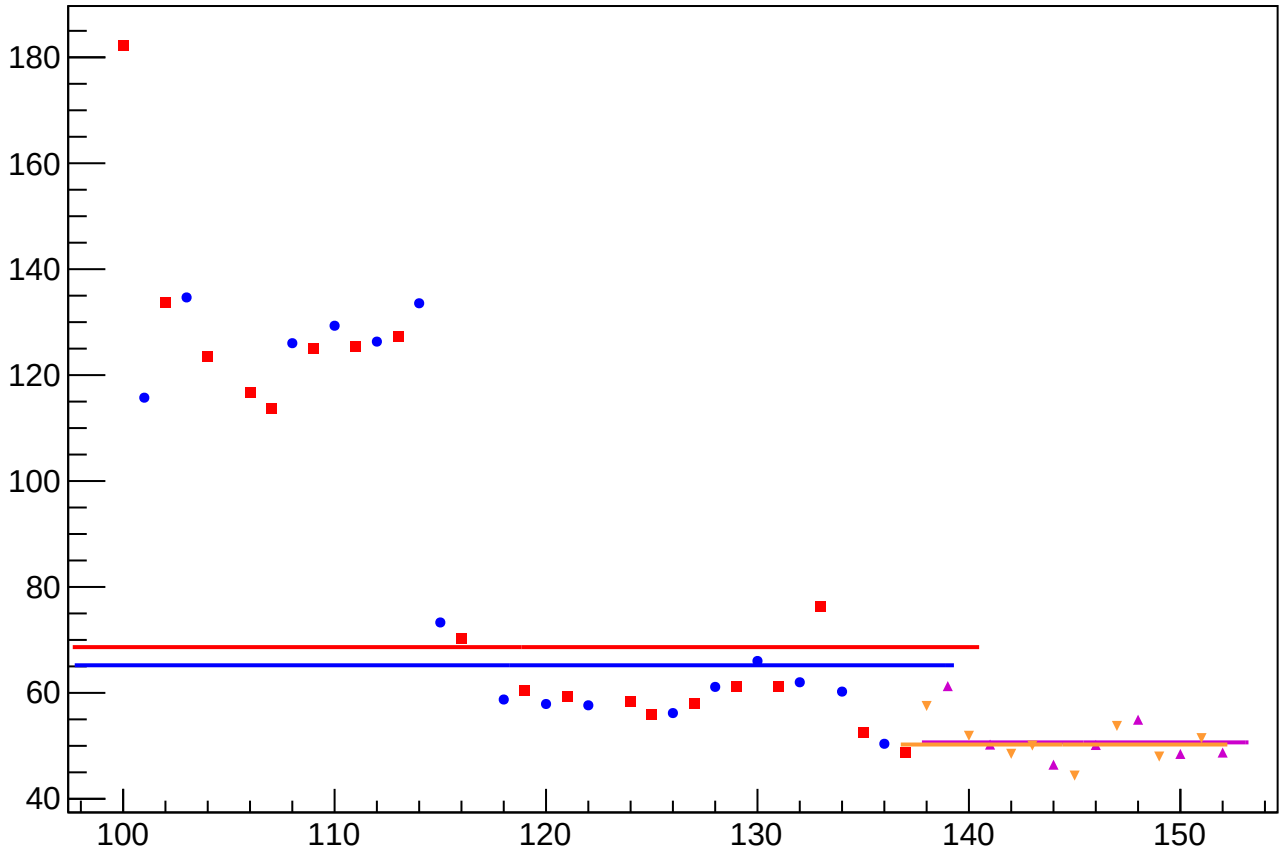
Left: 57.370+/-14.496 χ^2/NDF: 17.0/14

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 53.456+/-16.112 χ^2/NDF:21.0/22

Out: 56.856+/-16.236 χ^2/NDF:31.5/26

All: 55.143+/-11.436 χ^2/NDF: 52.5/49



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: 50.654+/-0.015 χ^2/NDF:81925.1/6

Left: 50.451+/-0.010 χ^2/NDF: 148879.5/14

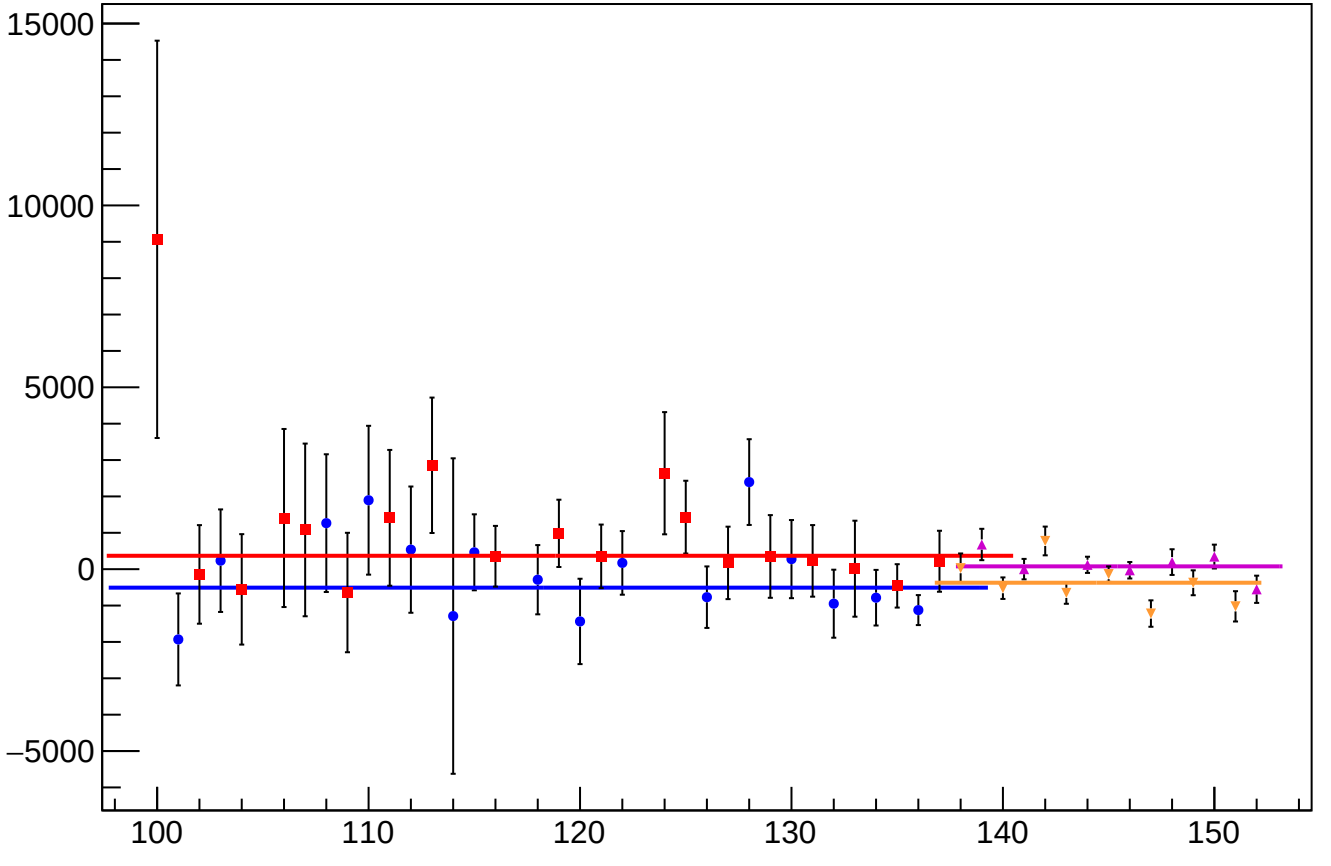
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 56.341+/-0.011 χ^2/NDF:1917099.6/22

Out: 56.954+/-0.011 χ^2/NDF:2298413.0/26

All: 56.645+/-0.008 χ^2/NDF: 4216950.3/49

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: 77.325+/-110.316 χ^2/NDF:5.9/6

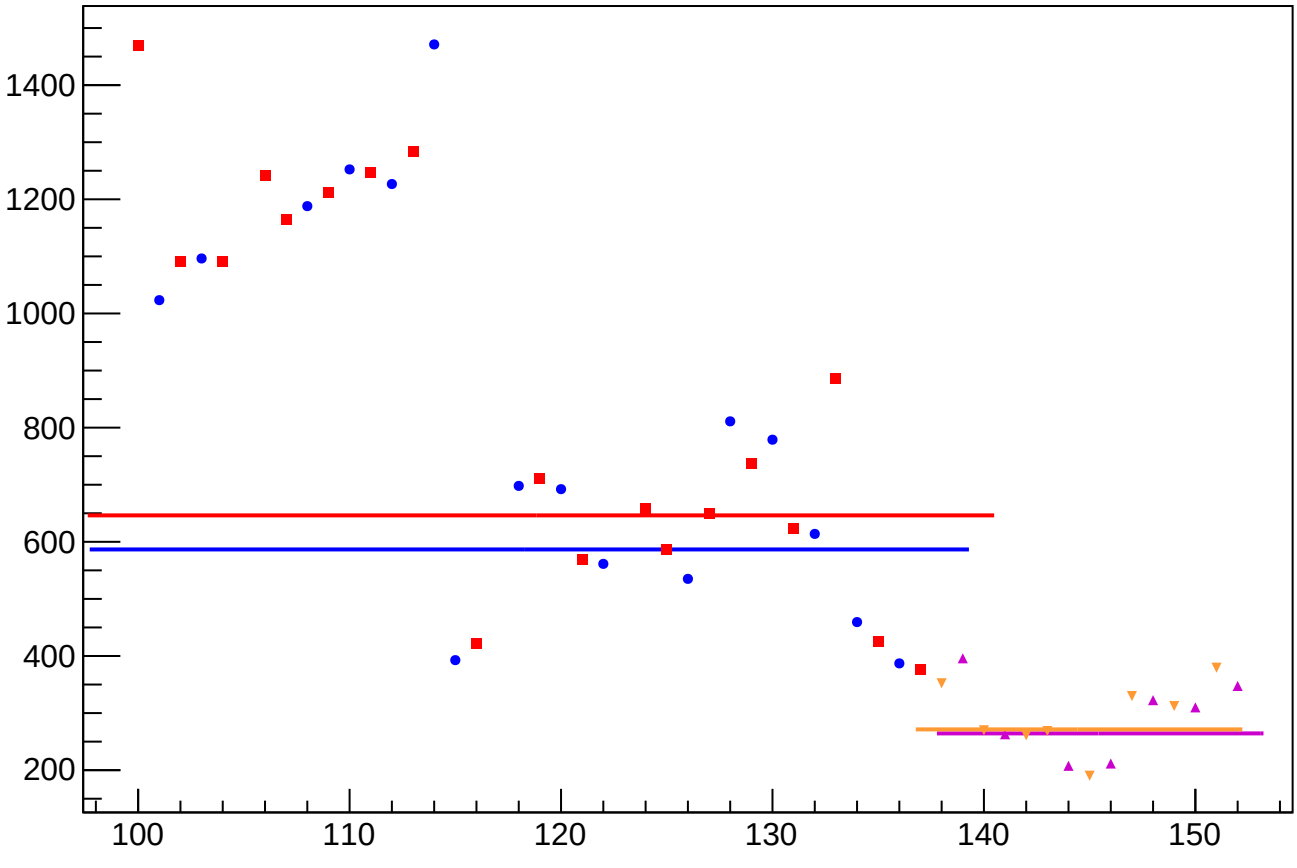
Left: -143.239+/-78.752 χ^2/NDF: 33.7/14

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -26.933+/-100.008 χ^2/NDF:26.5/22

Out: -253.043+/-102.997 χ^2/NDF:37.9/26

All: -136.660+/-71.750 χ^2/NDF: 67.0/49



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: 264.415+/-0.078 χ^2/NDF:616655.9/6

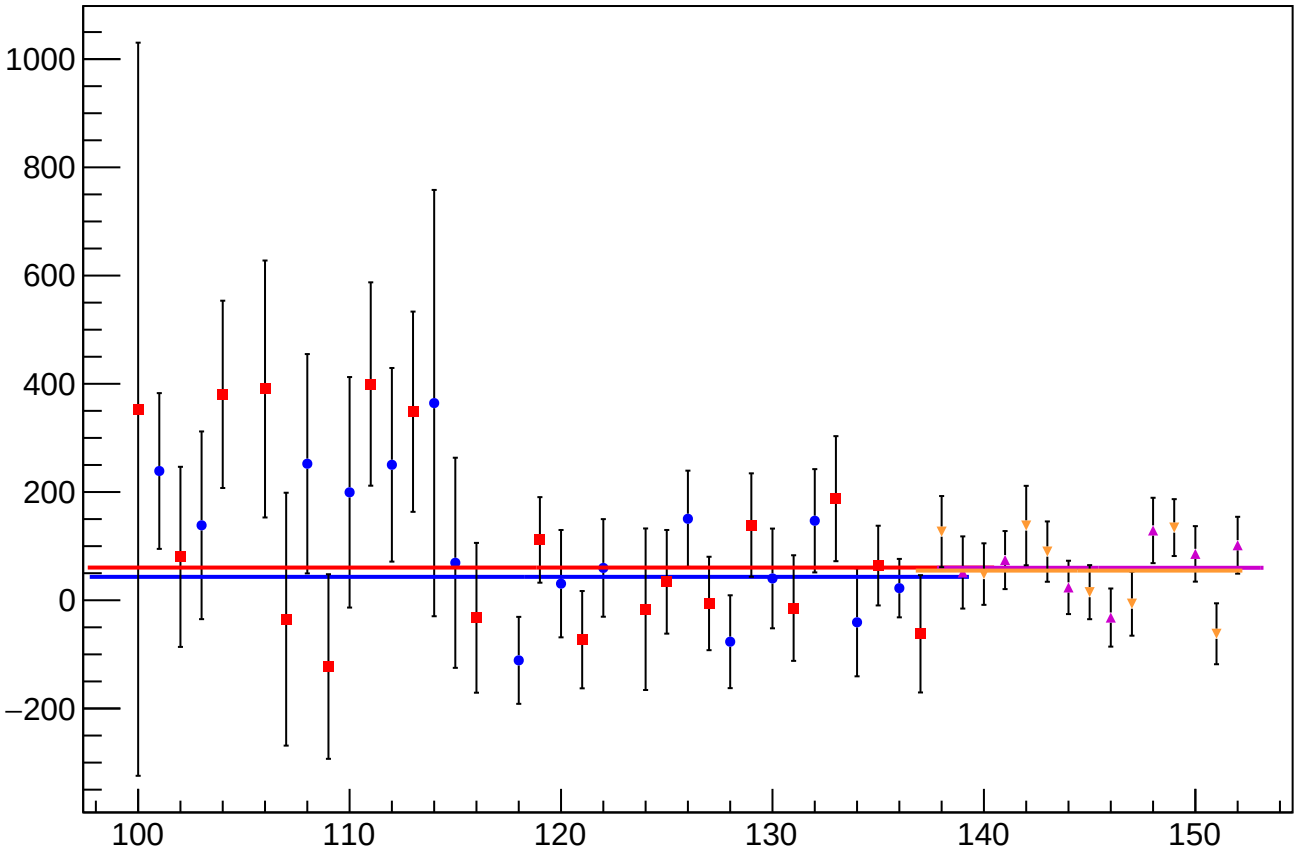
Left: 267.858+/-0.056 χ^2/NDF: 1207147.6/14

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 321.819+/-0.071 χ^2/NDF:5709732.3/22

Out: 331.869+/-0.073 χ^2/NDF:6232397.2/26

All: 326.696+/-0.051 χ^2/NDF: 11951929.6/49



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: 60.004+/-20.640 χ^2/NDF:5.7/6

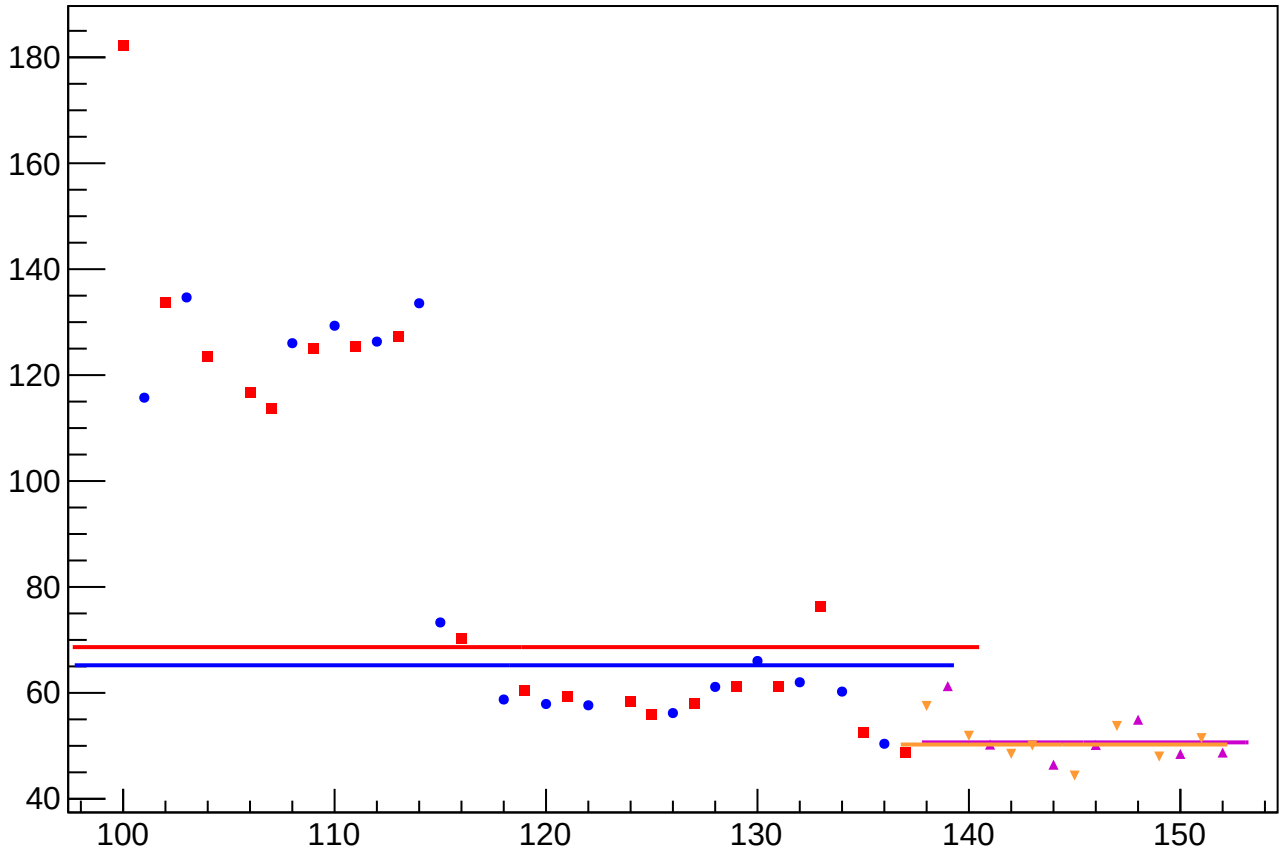
Left: 57.370+/-14.496 χ^2/NDF: 17.0/14

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 53.456+/-16.112 χ^2/NDF:21.0/22

Out: 56.856+/-16.236 χ^2/NDF:31.5/26

All: 55.143+/-11.436 χ^2/NDF: 52.5/49



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: 50.654+/-0.015 χ^2/NDF:81925.1/6

Left: 50.451+/-0.010 χ^2/NDF: 148879.5/14

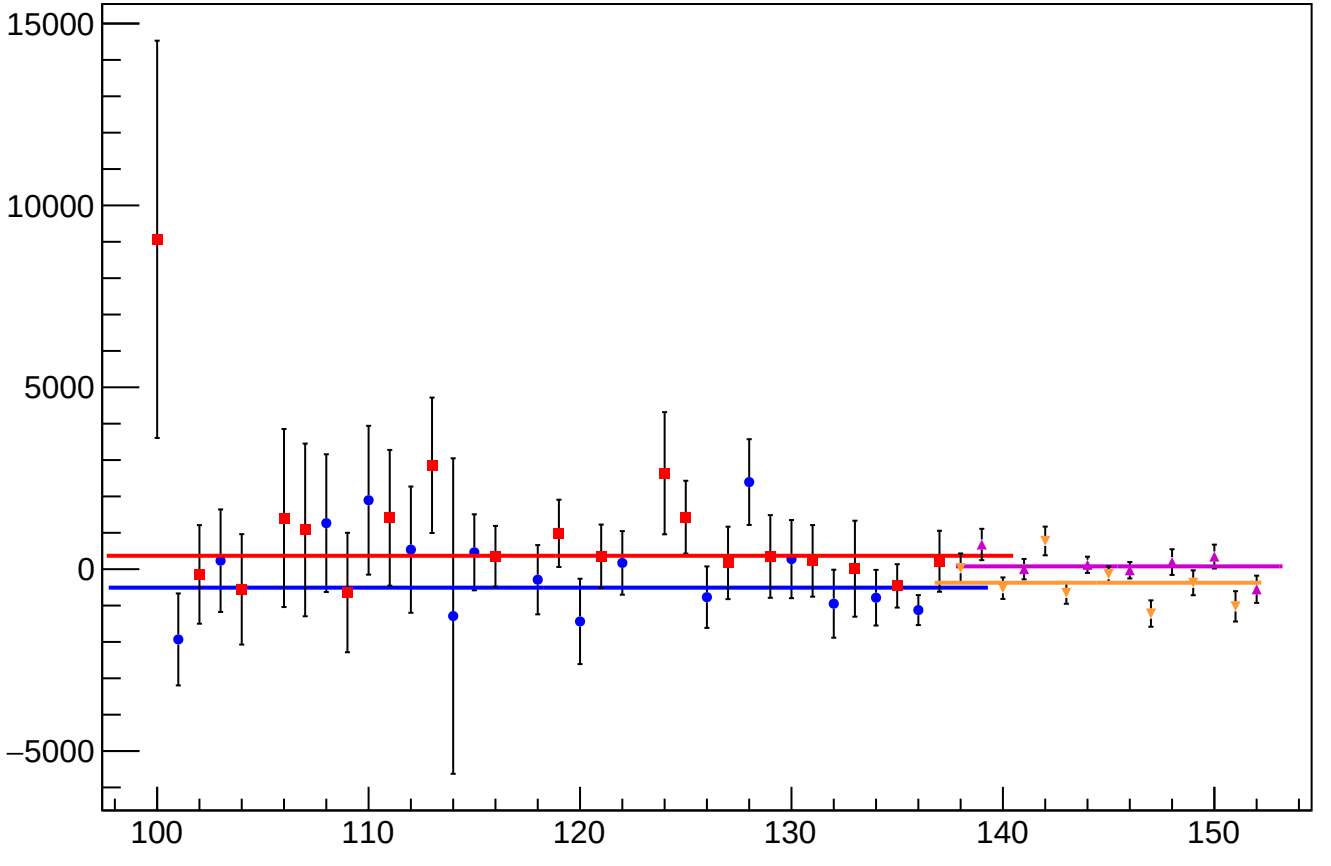
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 56.341+/-0.011 χ^2/NDF:1917099.6/22

Out: 56.954+/-0.011 χ^2/NDF:2298413.0/26

All: 56.645+/-0.008 χ^2/NDF: 4216950.3/49

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: 77.325+/-110.316 χ^2/NDF:5.9/6

Left: -143.239+/-78.752 χ^2/NDF: 33.7/14

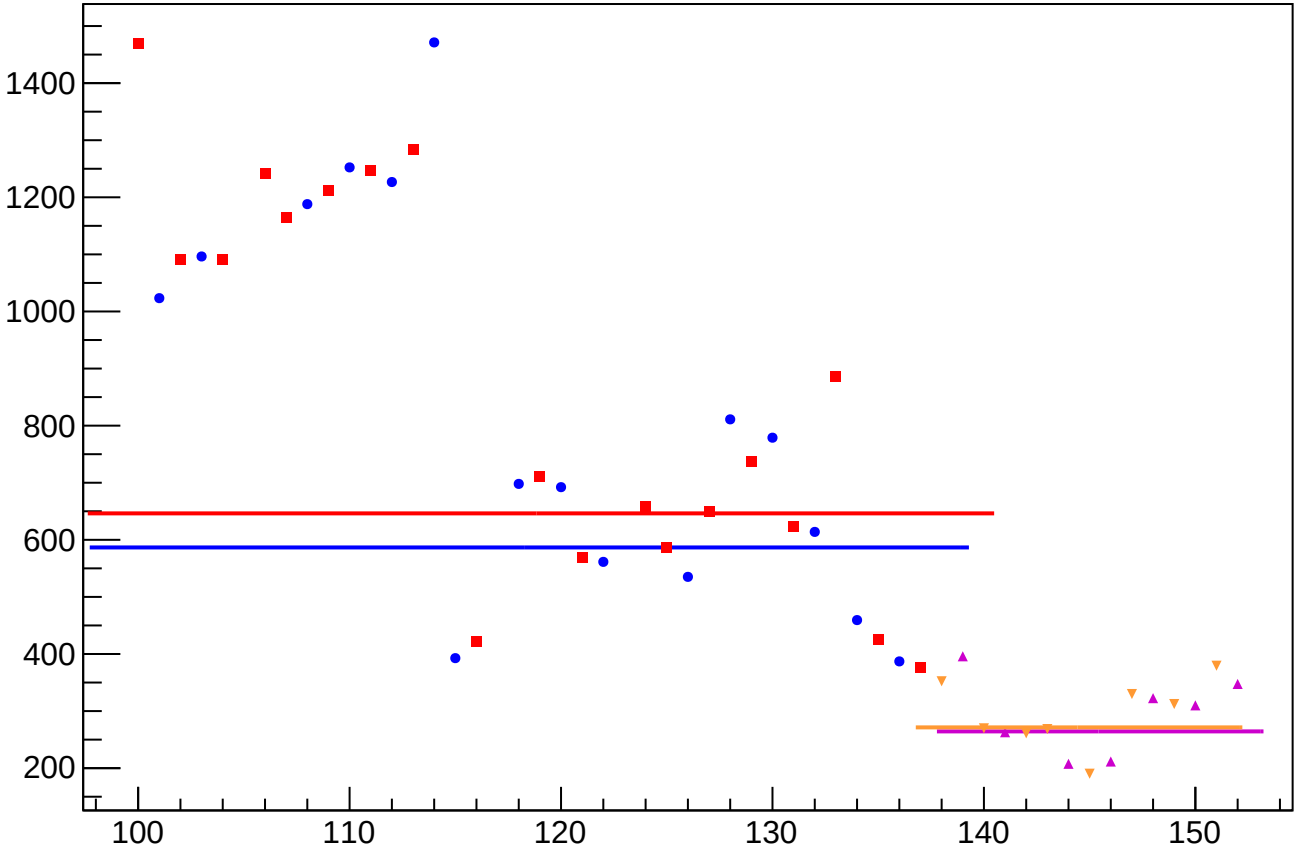
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -26.933+/-100.008 χ^2/NDF:26.5/22

Out: -253.043+/-102.997 χ^2/NDF:37.9/26

All: -136.660+/-71.750 χ^2/NDF: 67.0/49

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 271.437+/-0.080 χ^2/NDF:586518.4/7

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 264.415+/-0.078 χ^2/NDF:616655.9/6

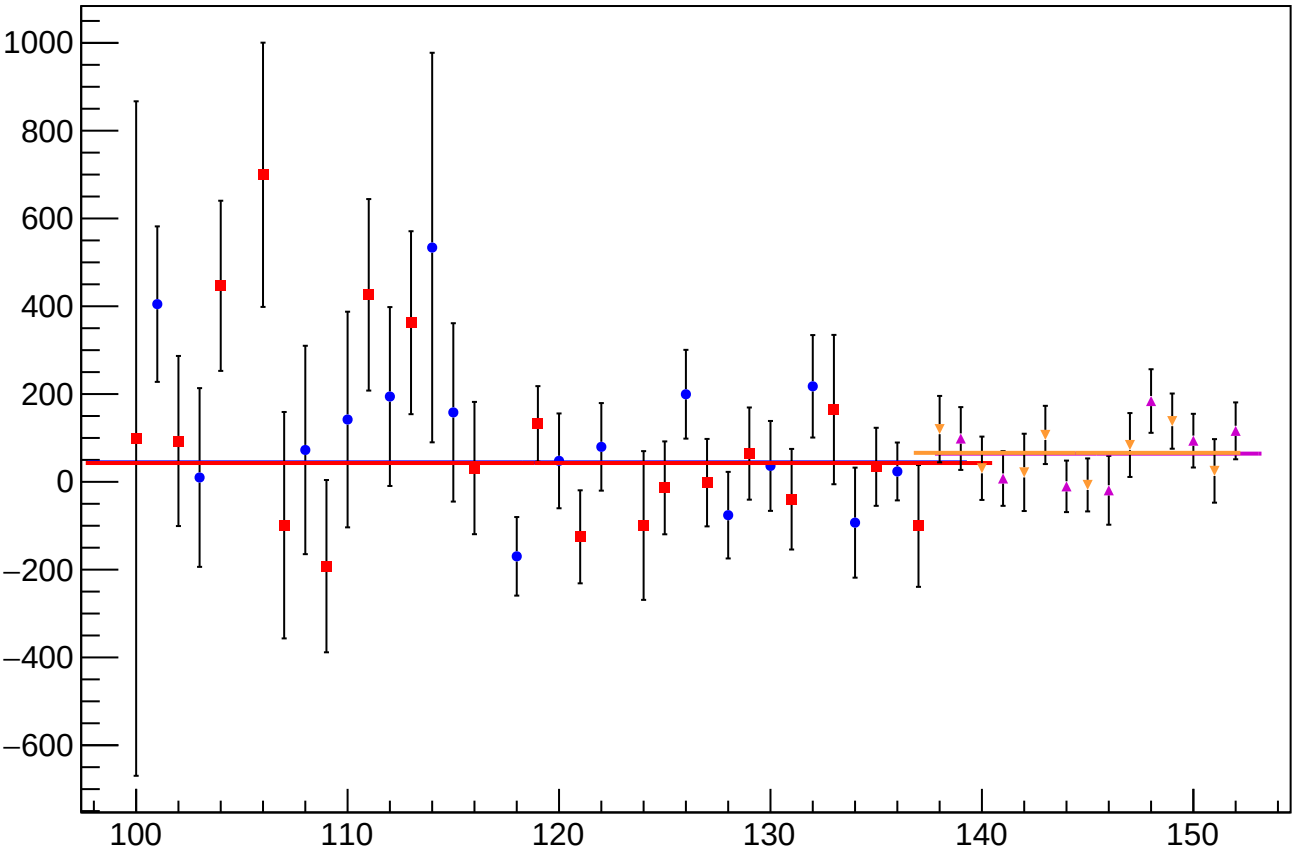
Left: 267.858+/-0.056 χ^2/NDF: 1207147.6/14

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 321.819+/-0.071 χ^2/NDF:5709732.3/22

Out: 331.869+/-0.073 χ^2/NDF:6232397.2/26

All: 326.696+/-0.051 χ^2/NDF: 11951929.6/49



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: 64.295+/-24.982 χ^2/NDF:7.4/6

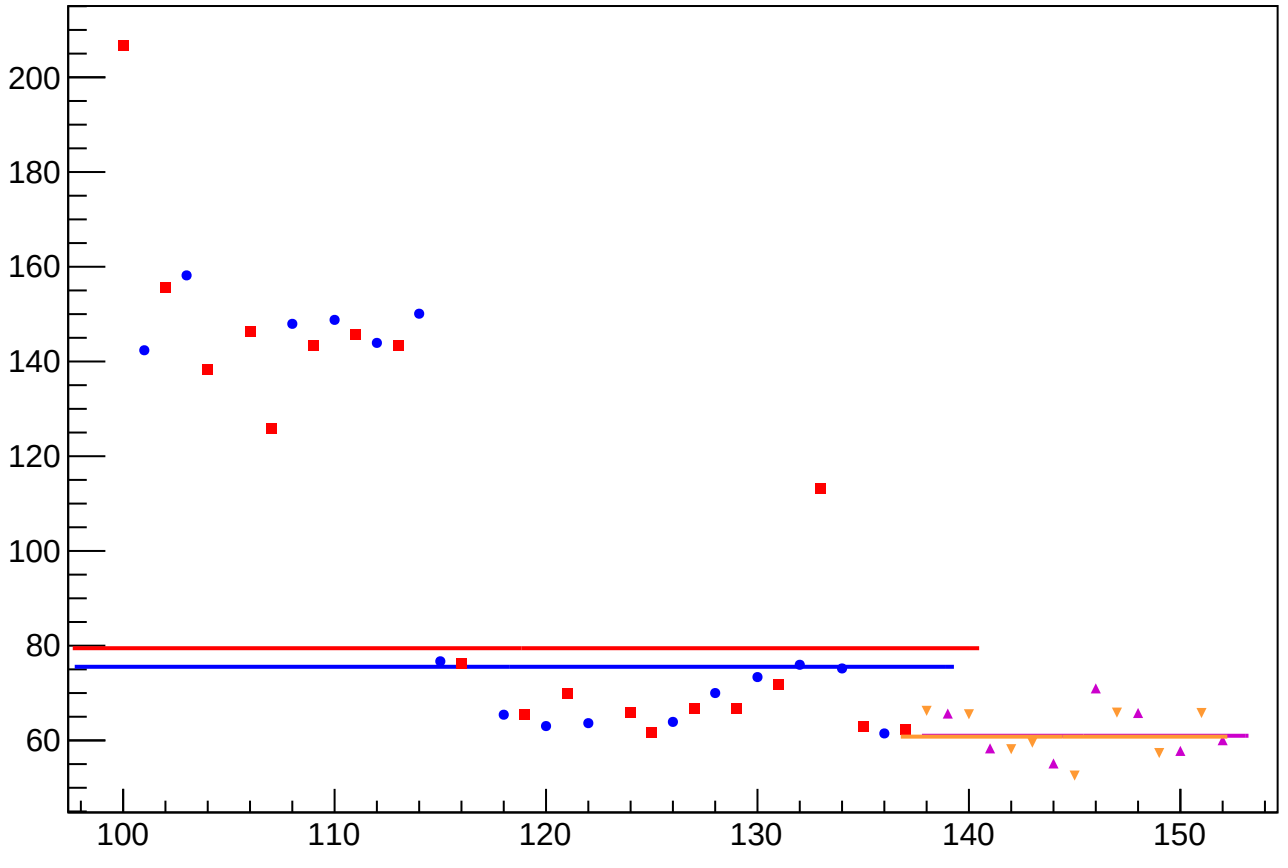
Left: 65.184+/-17.588 χ^2/NDF: 12.0/14

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 56.114+/-19.173 χ^2/NDF:27.3/22

Out: 57.124+/-19.409 χ^2/NDF:28.2/26

All: 56.613+/-13.640 χ^2/NDF: 55.5/49



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: 60.983+/-0.018 χ^2/NDF:79331.8/6

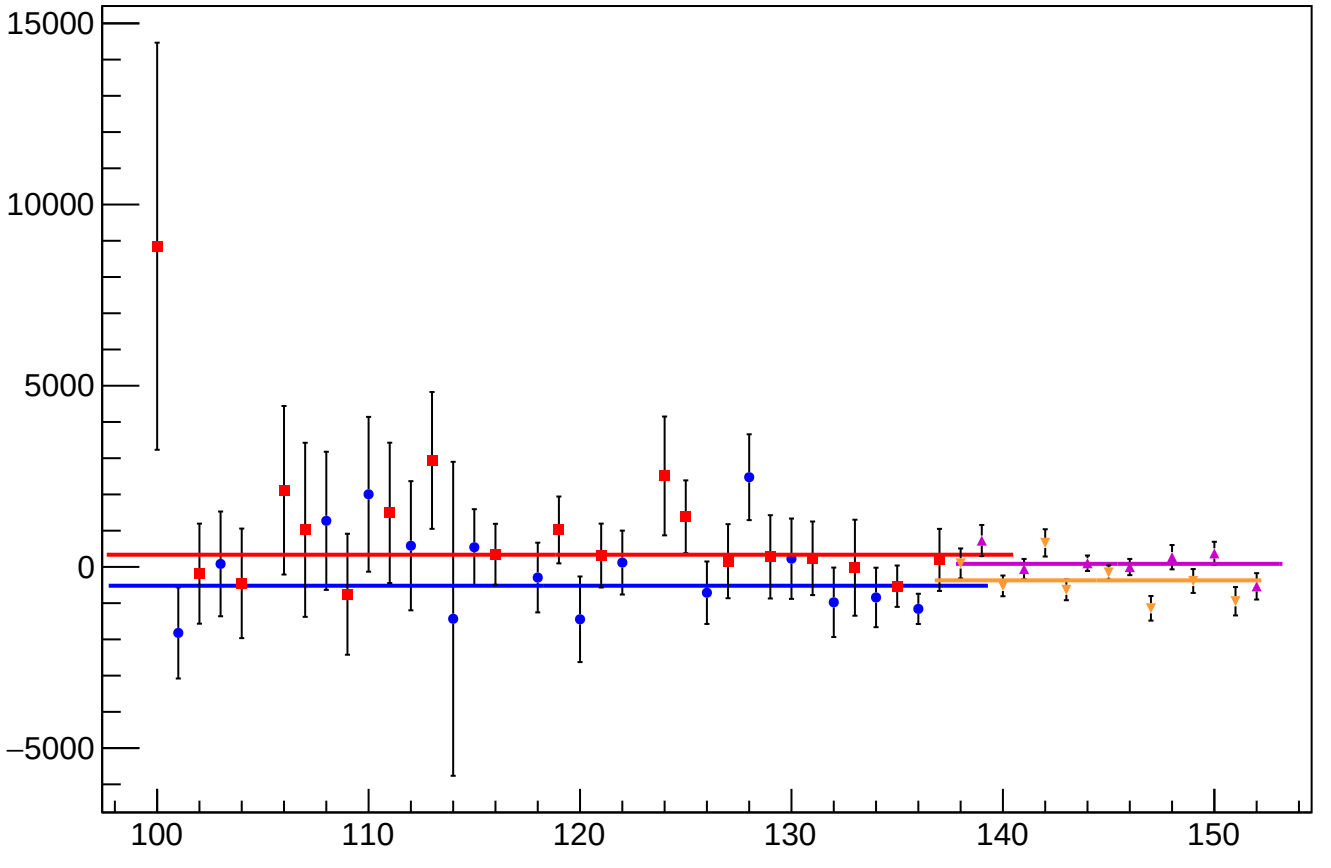
Left: 60.889+/-0.012 χ^2/NDF: 163279.7/14

Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 66.967+/-0.014 χ^2/NDF:1824124.3/22

Out: 68.000+/-0.014 χ^2/NDF:2205930.9/26

All: 67.477+/-0.010 χ^2/NDF: 4032919.5/49



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: 84.876+/-107.629 χ^2/NDF:6.7/6

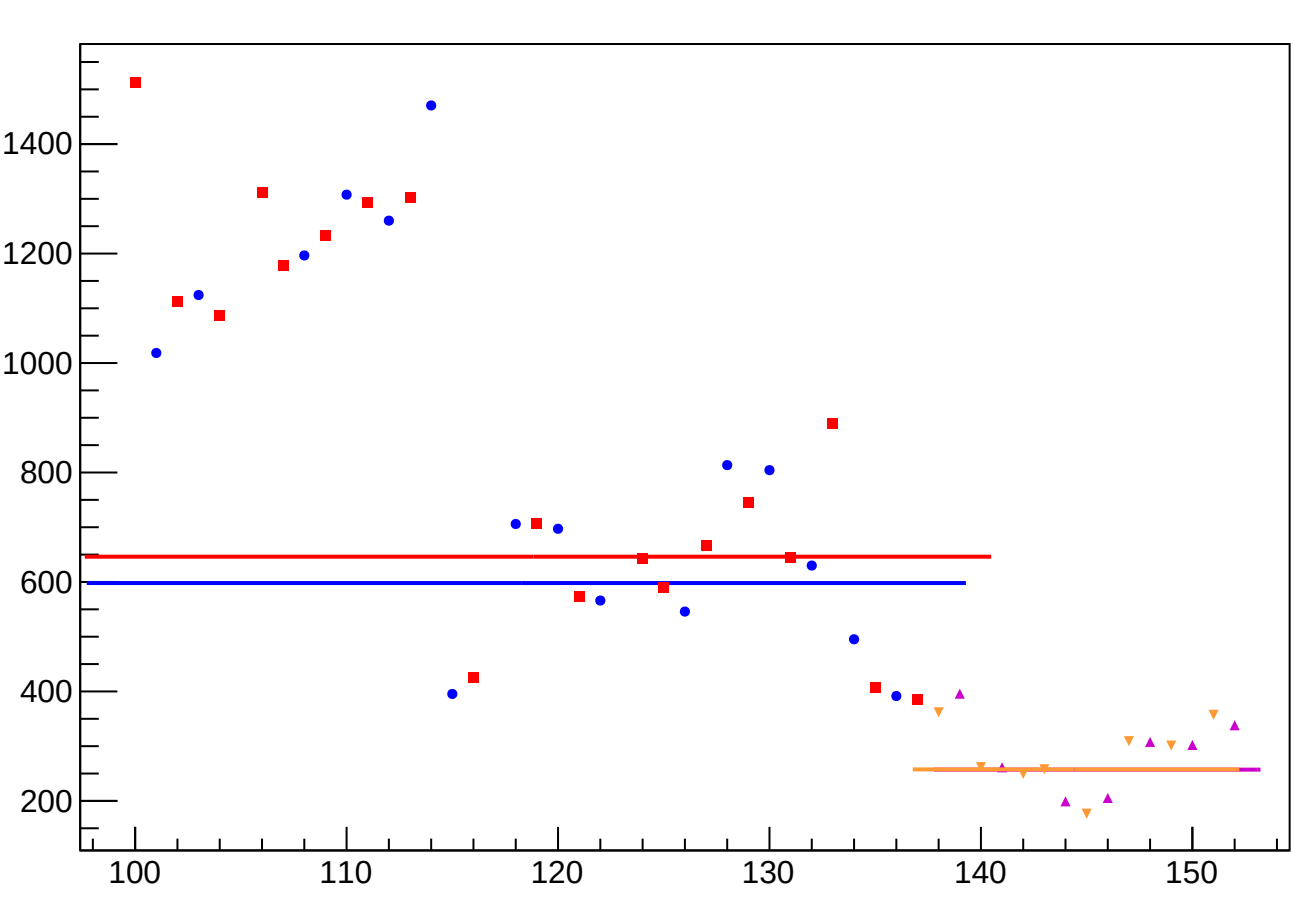
Left: -144.636+/-75.822 χ^2/NDF: 34.2/14

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -15.359+/-98.296 χ^2/NDF:27.7/22

Out: -266.256+/-98.627 χ^2/NDF:36.9/26

All: -140.386+/-69.622 χ^2/NDF: 67.8/49



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: 257.134+/-0.076 χ^2/NDF:646350.7/6

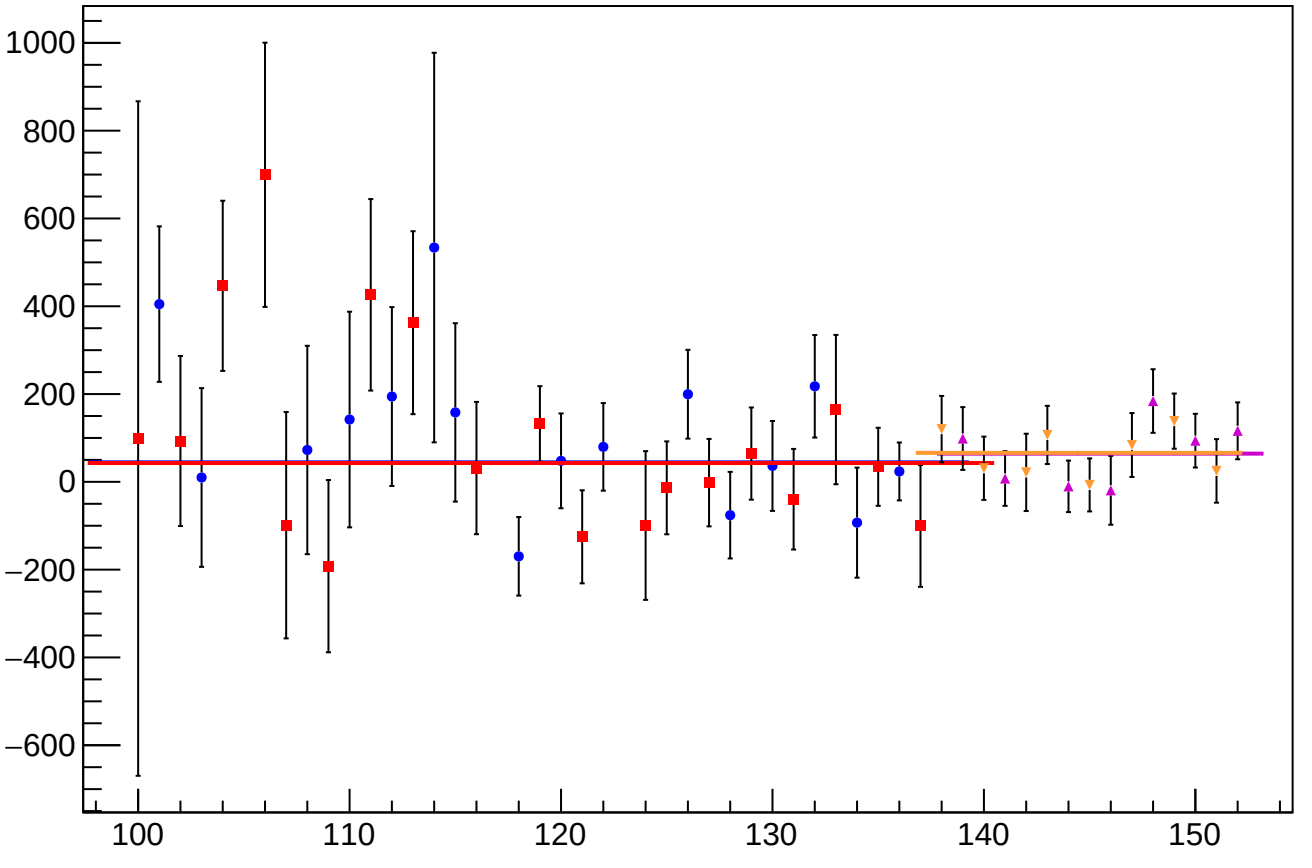
Left: 257.338+/-0.054 χ^2/NDF: 1325406.8/14

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 313.697+/-0.070 χ^2/NDF:6023416.1/22

Out: 314.947+/-0.070 χ^2/NDF:6794349.2/26

All: 314.320+/-0.049 χ^2/NDF: 12817926.6/49



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: 64.295+/-24.982 χ^2/NDF:7.4/6

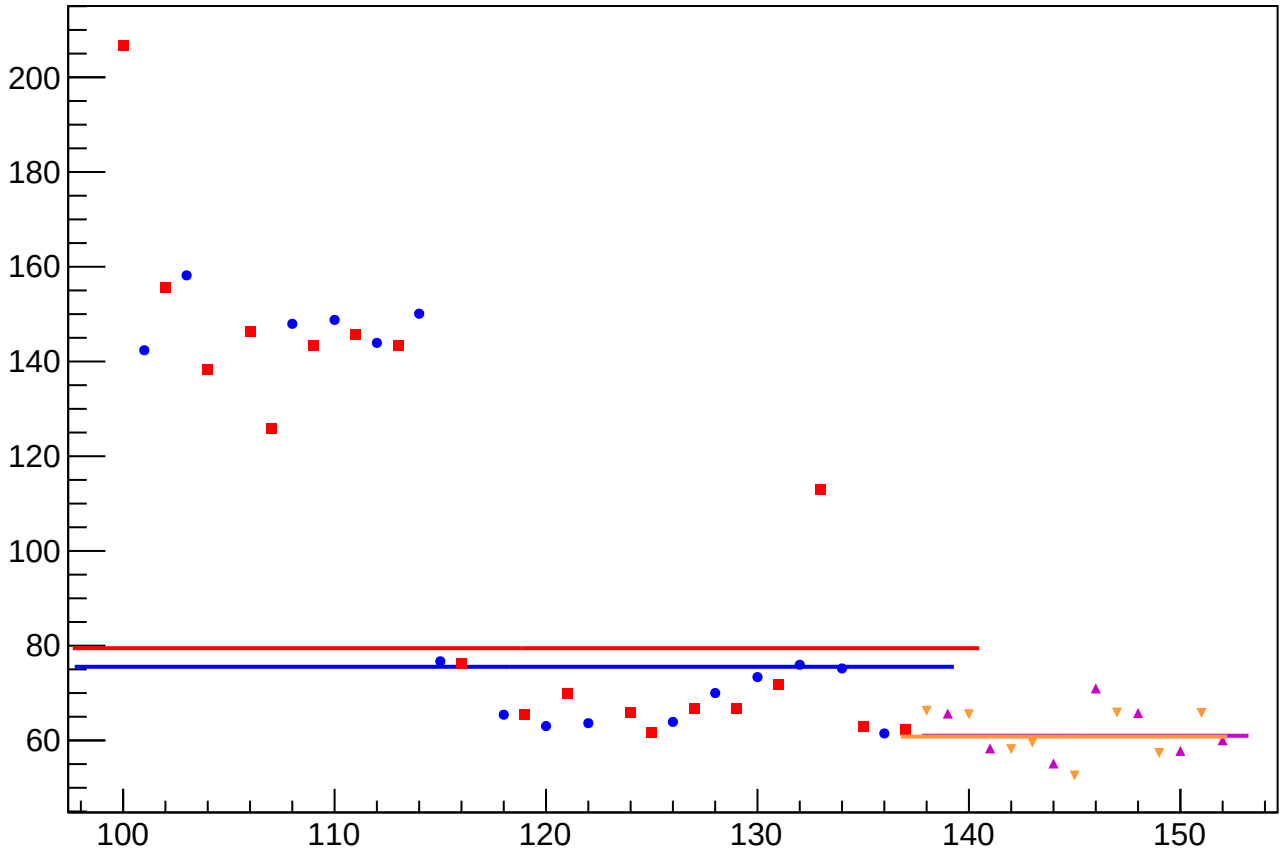
Left: 65.184+/-17.588 χ^2/NDF: 12.0/14

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 56.114+/-19.173 χ^2/NDF:27.3/22

Out: 57.124+/-19.409 χ^2/NDF:28.2/26

All: 56.613+/-13.640 χ^2/NDF: 55.5/49



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: 60.983+/-0.018 χ^2/NDF:79330.8/6

Left: 60.890+/-0.012 χ^2/NDF: 163275.2/14

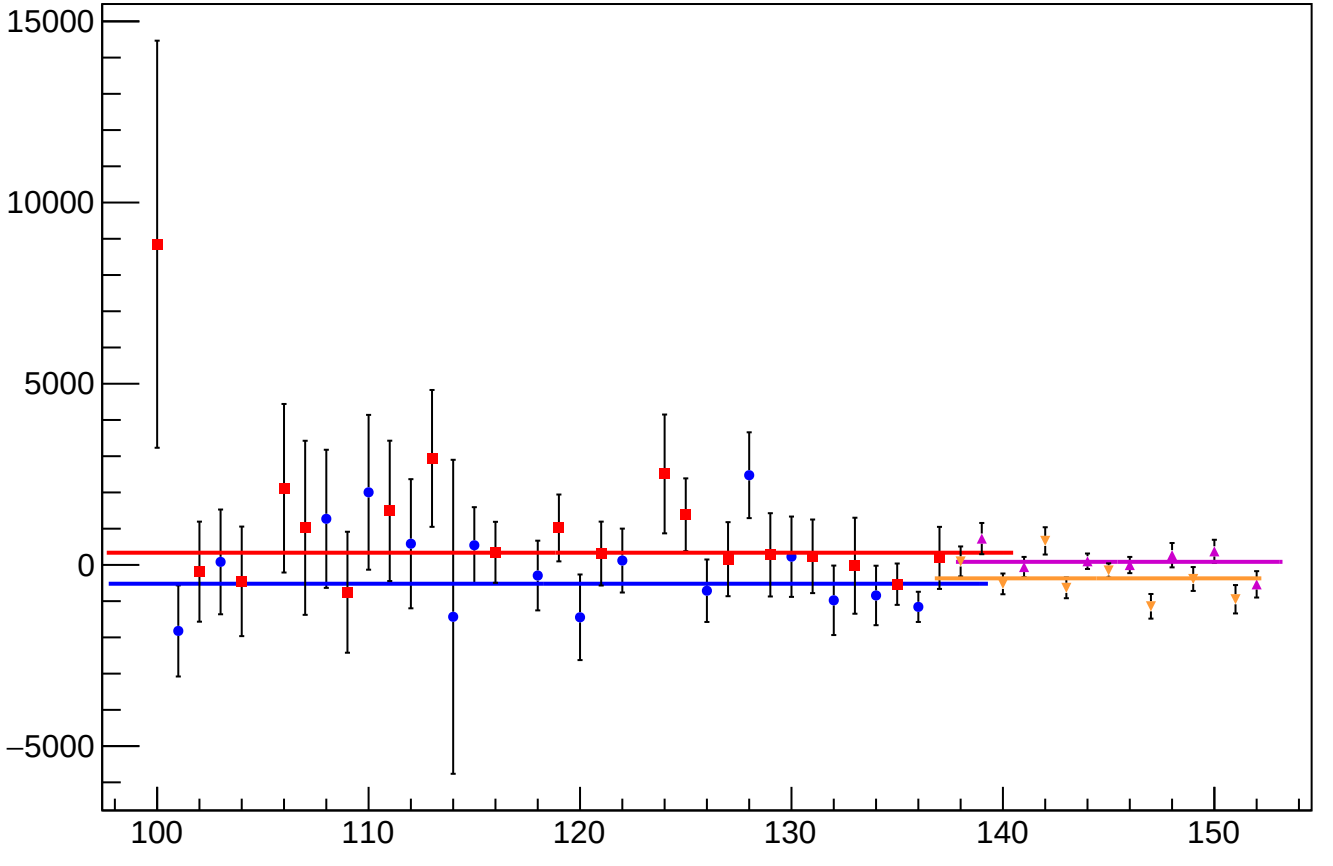
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 66.967+/-0.014 χ^2/NDF:1824087.5/22

Out: 68.000+/-0.014 χ^2/NDF:2205894.8/26

All: 67.477+/-0.010 χ^2/NDF: 4032846.9/49

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: 84.876+/-107.629 χ^2/NDF:6.7/6

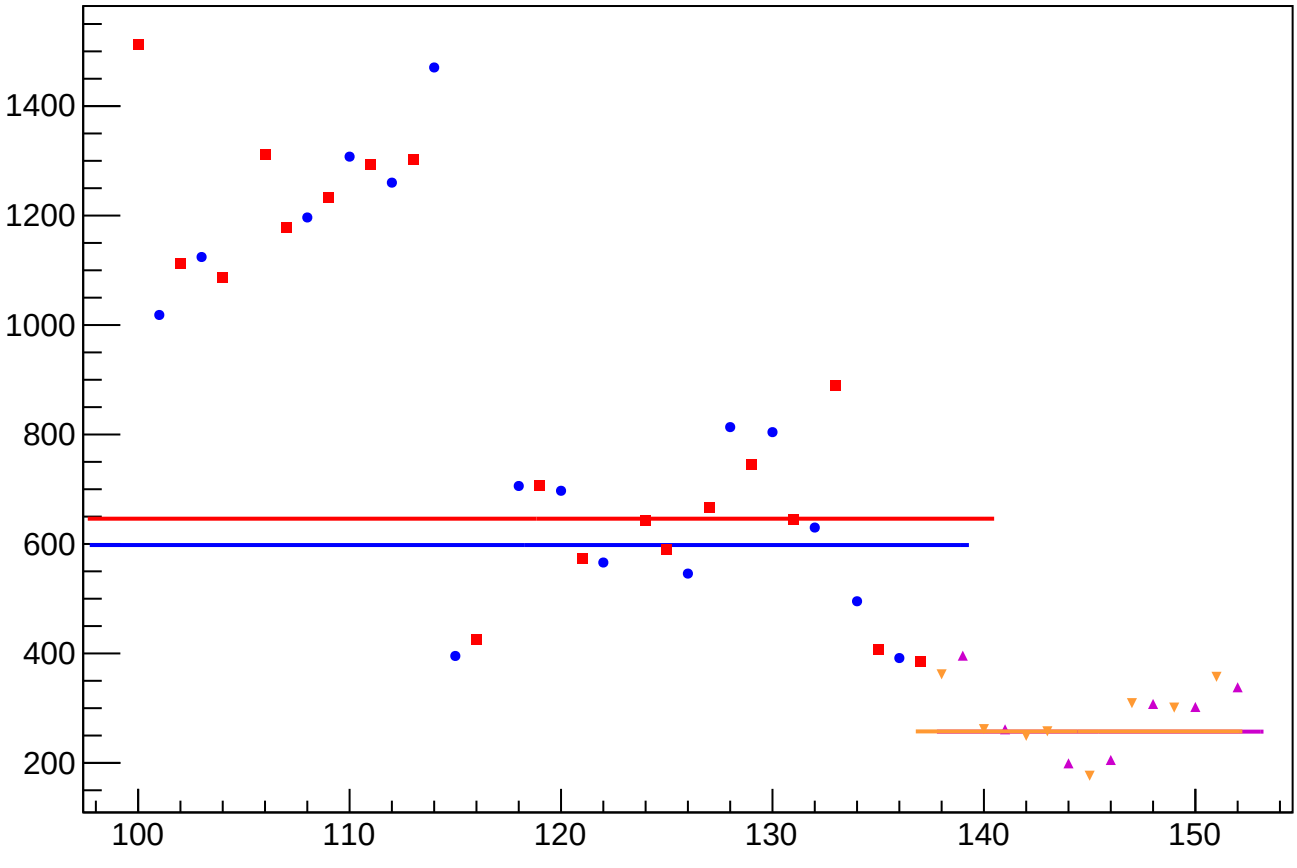
Left: -144.636+/-75.822 χ^2/NDF: 34.2/14

Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -15.359+/-98.295 χ^2/NDF:27.7/22

Out: -266.257+/-98.626 χ^2/NDF:36.9/26

All: -140.386+/-69.622 χ^2/NDF: 67.8/49



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 257.539+/-0.076 χ^2/NDF:679043.3/7

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 257.133+/-0.076 χ^2/NDF:646346.4/6

Left: 257.338+/-0.054 χ^2/NDF: 1325404.0/14

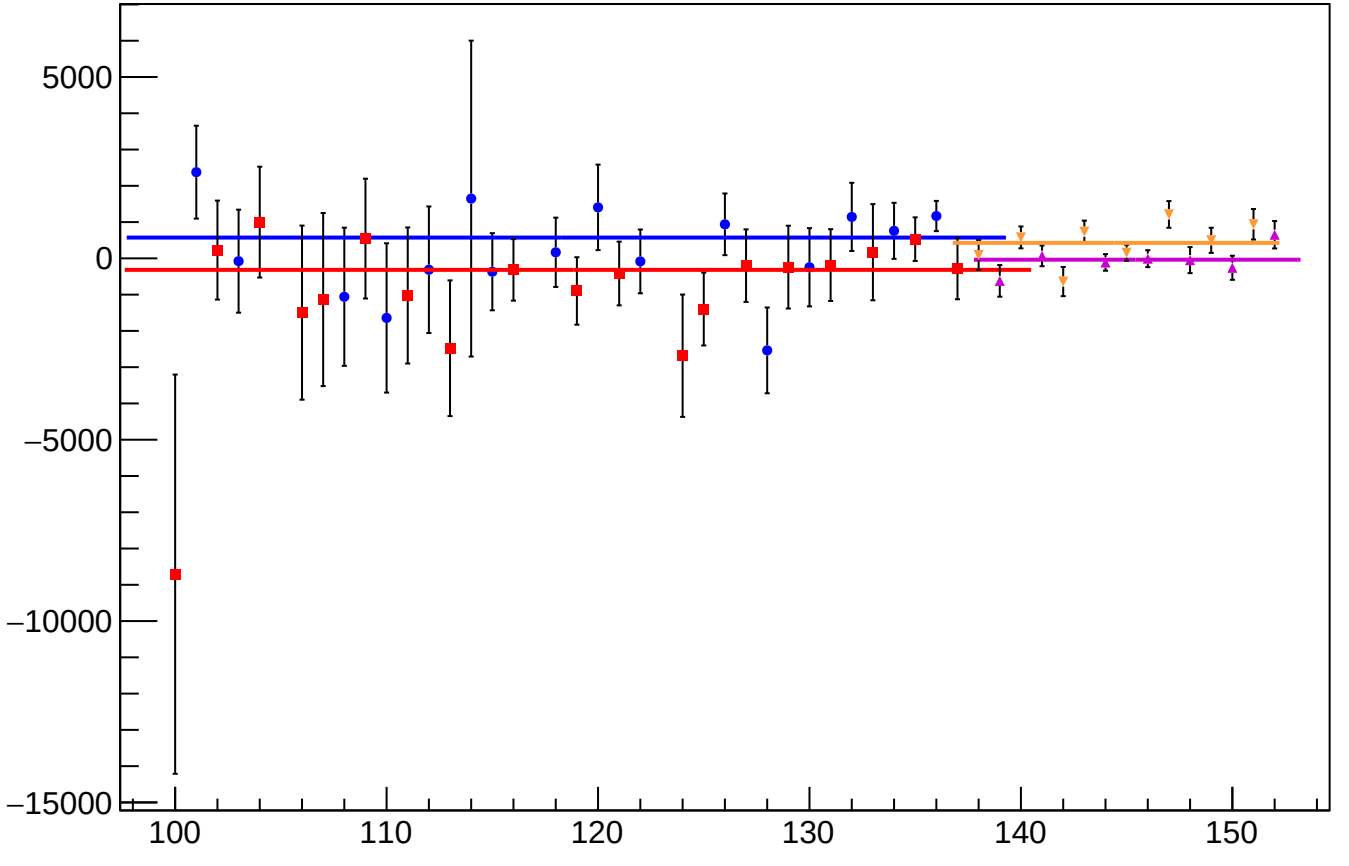
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 313.696+/-0.070 χ^2/NDF:6023399.2/22

Out: 314.947+/-0.070 χ^2/NDF:6794348.6/26

All: 314.320+/-0.049 χ^2/NDF: 12817909.0/49

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: -36.619+/-112.662 χ^2/NDF:5.8/6

Left: 191.349+/-80.328 χ^2/NDF: 30.8/14

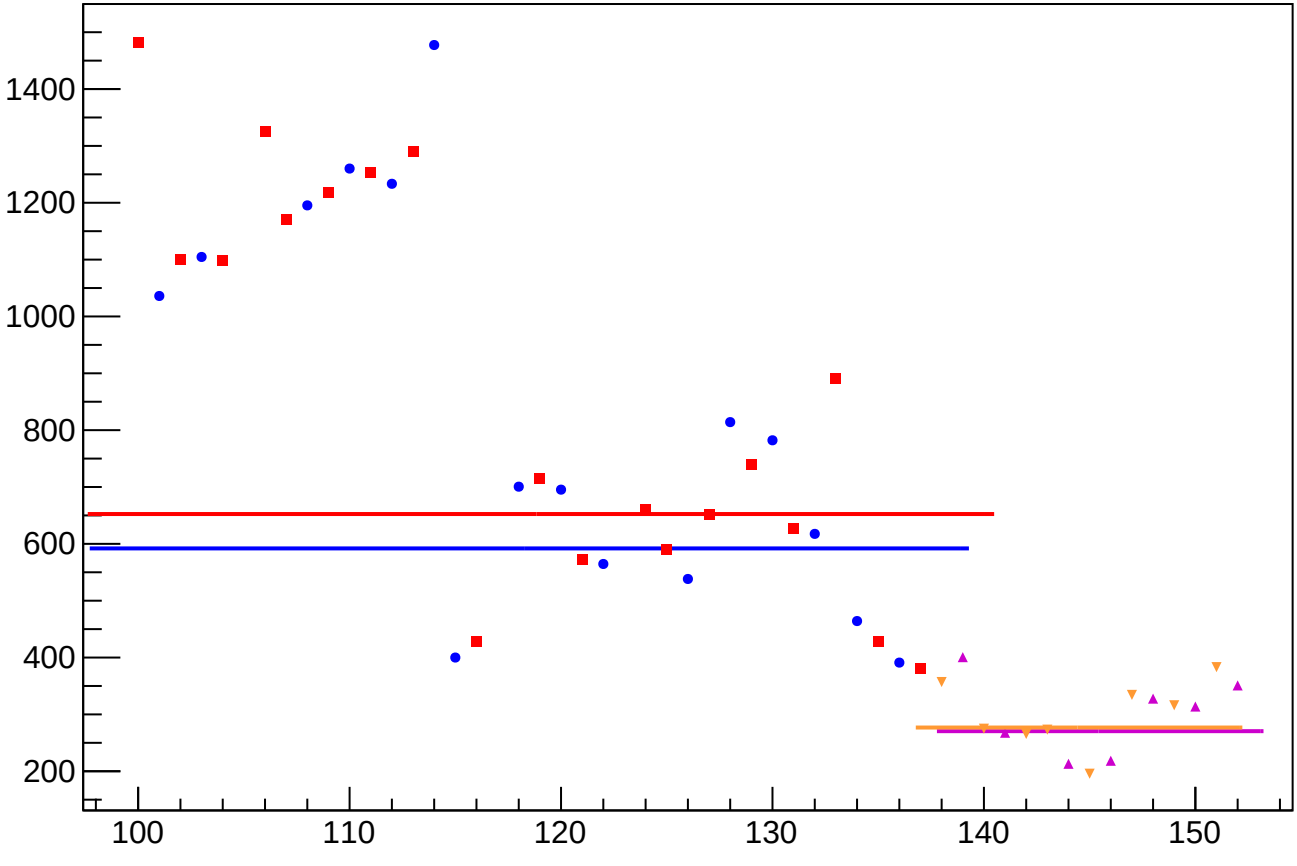
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 74.343+/-101.901 χ^2/NDF:27.7/22

Out: 304.743+/-104.721 χ^2/NDF:34.6/26

All: 186.400+/-73.032 χ^2/NDF: 64.8/49

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: 270.512+/-0.080 χ^2/NDF:579326.5/6

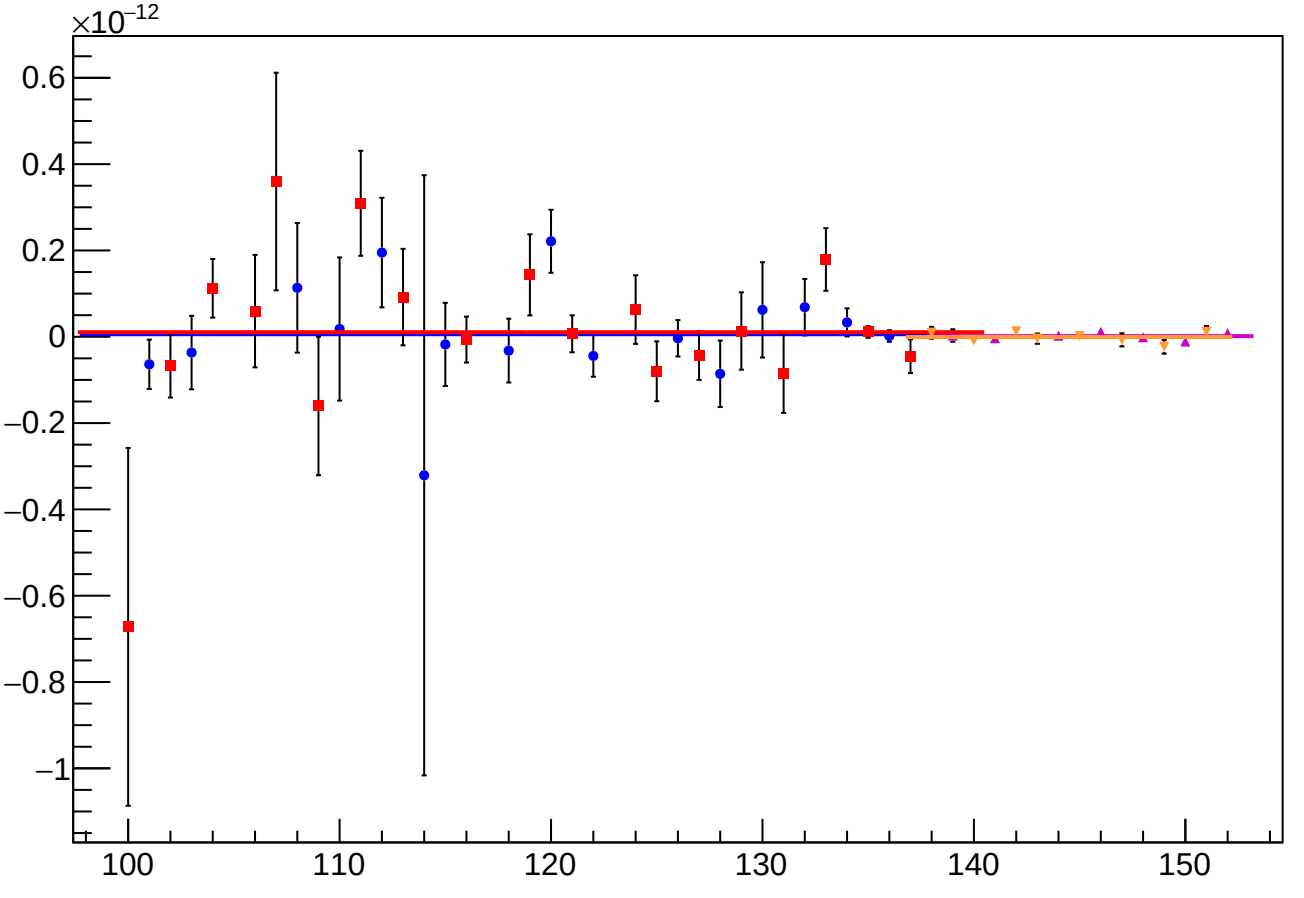
Left: 273.653+/-0.057 χ^2/NDF: 1137614.6/14

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 328.989+/-0.072 χ^2/NDF:5577000.0/22

Out: 338.660+/-0.074 χ^2/NDF:6179521.9/26

All: 333.692+/-0.052 χ^2/NDF: 11765283.1/49



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:3.3/6

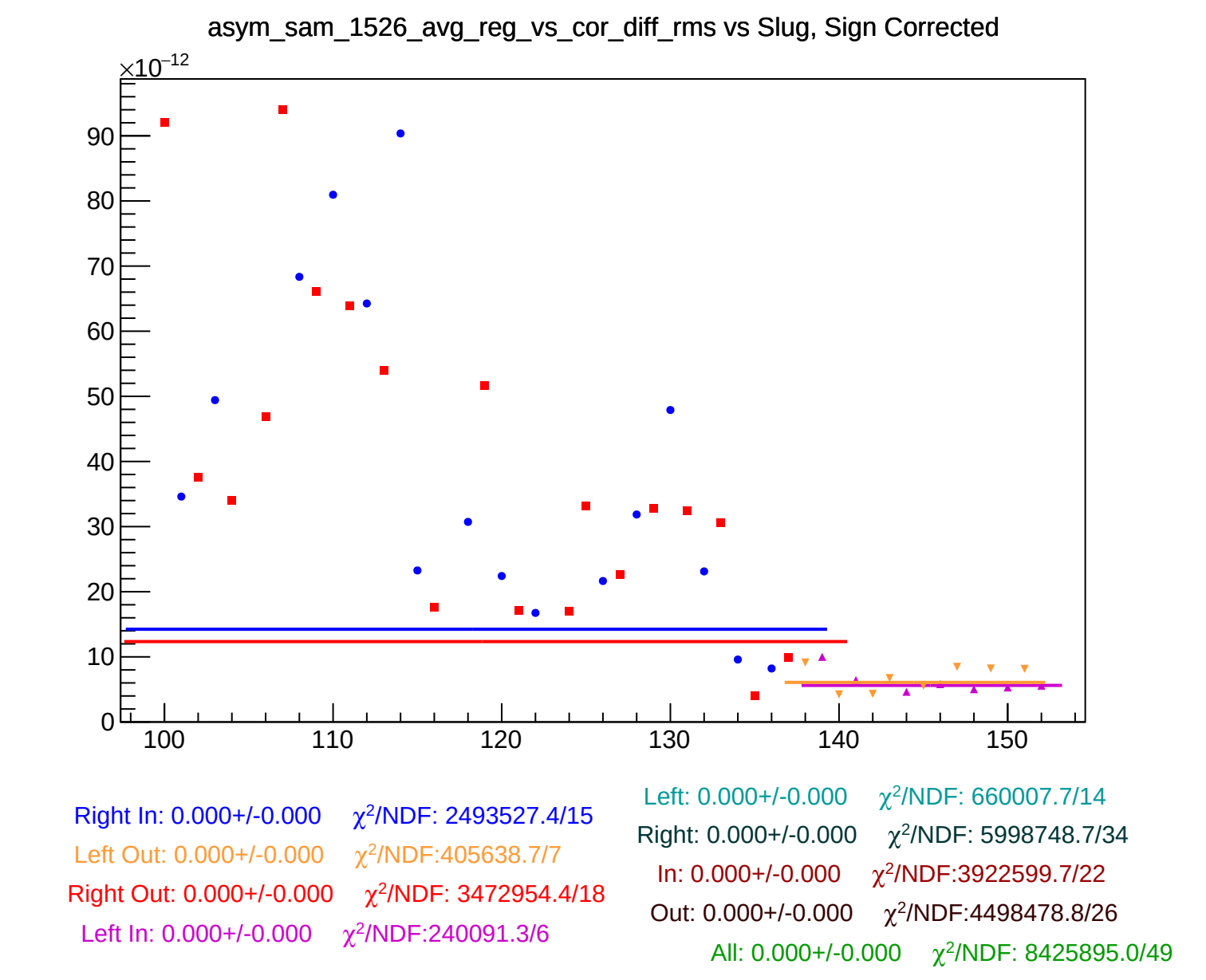
Left: 0.000+/-0.000 χ^2/NDF: 9.8/14

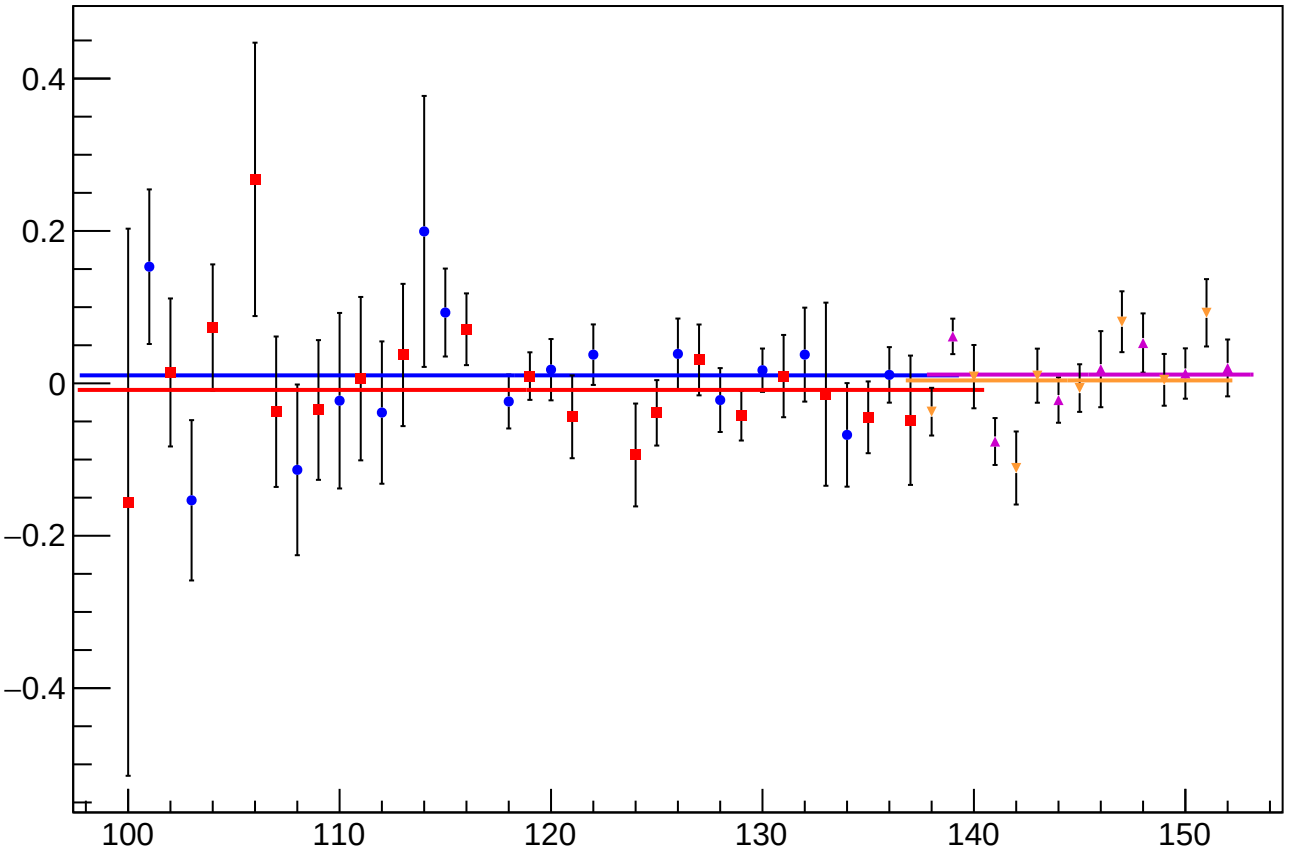
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:21.7/22

Out: 0.000+/-0.000 χ^2/NDF:36.8/26

All: 0.000+/-0.000 χ^2/NDF: 58.5/49


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:240091.3/6
Left: 0.000+/-0.000 χ²/NDF: 660007.7/14
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:3922599.7/22
Out: 0.000+/-0.000 χ²/NDF:4498478.8/26
All: 0.000+/-0.000 χ²/NDF: 8425895.0/49



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: 0.012+/-0.012 χ^2/NDF:15.2/6

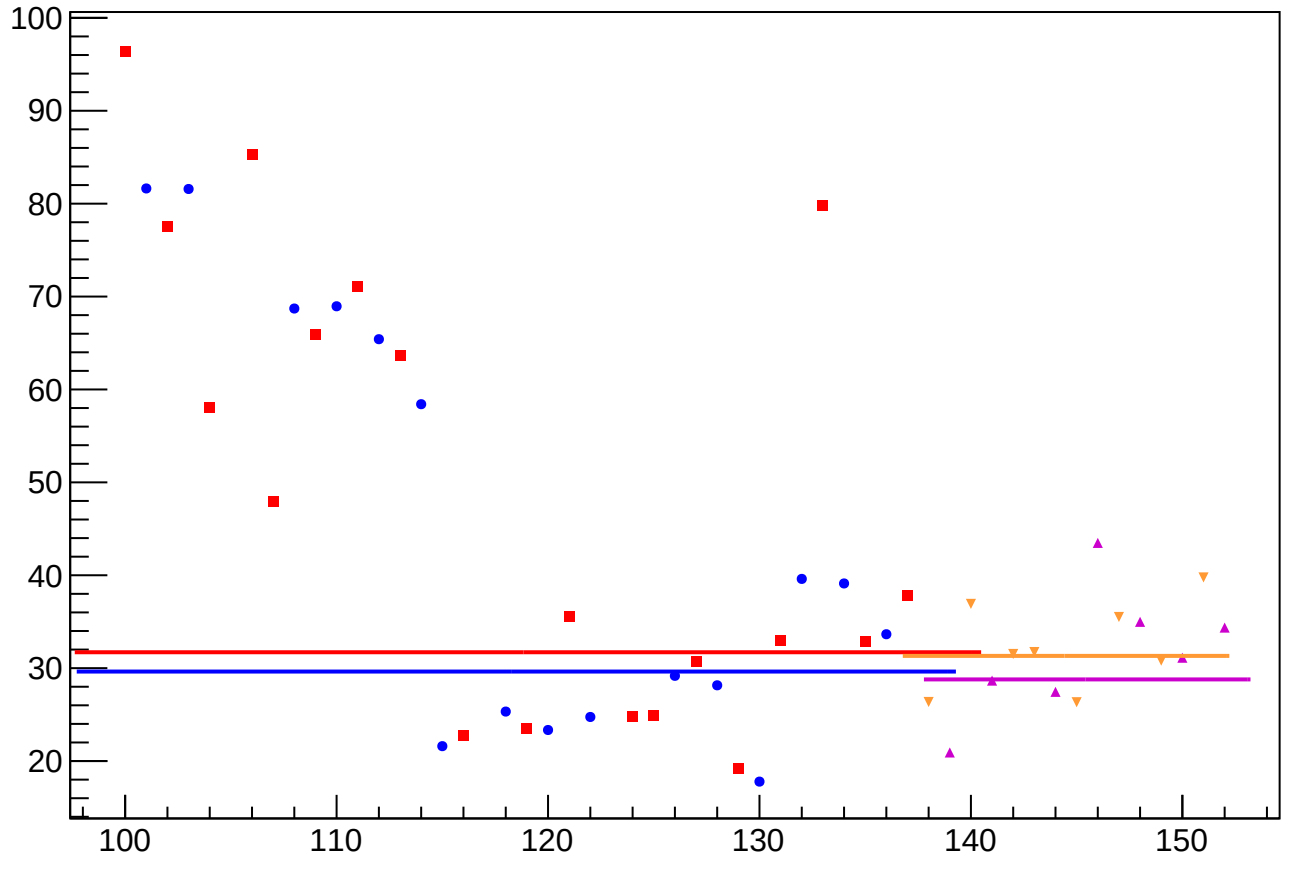
Left: 0.008+/-0.009 χ^2/NDF: 30.8/14

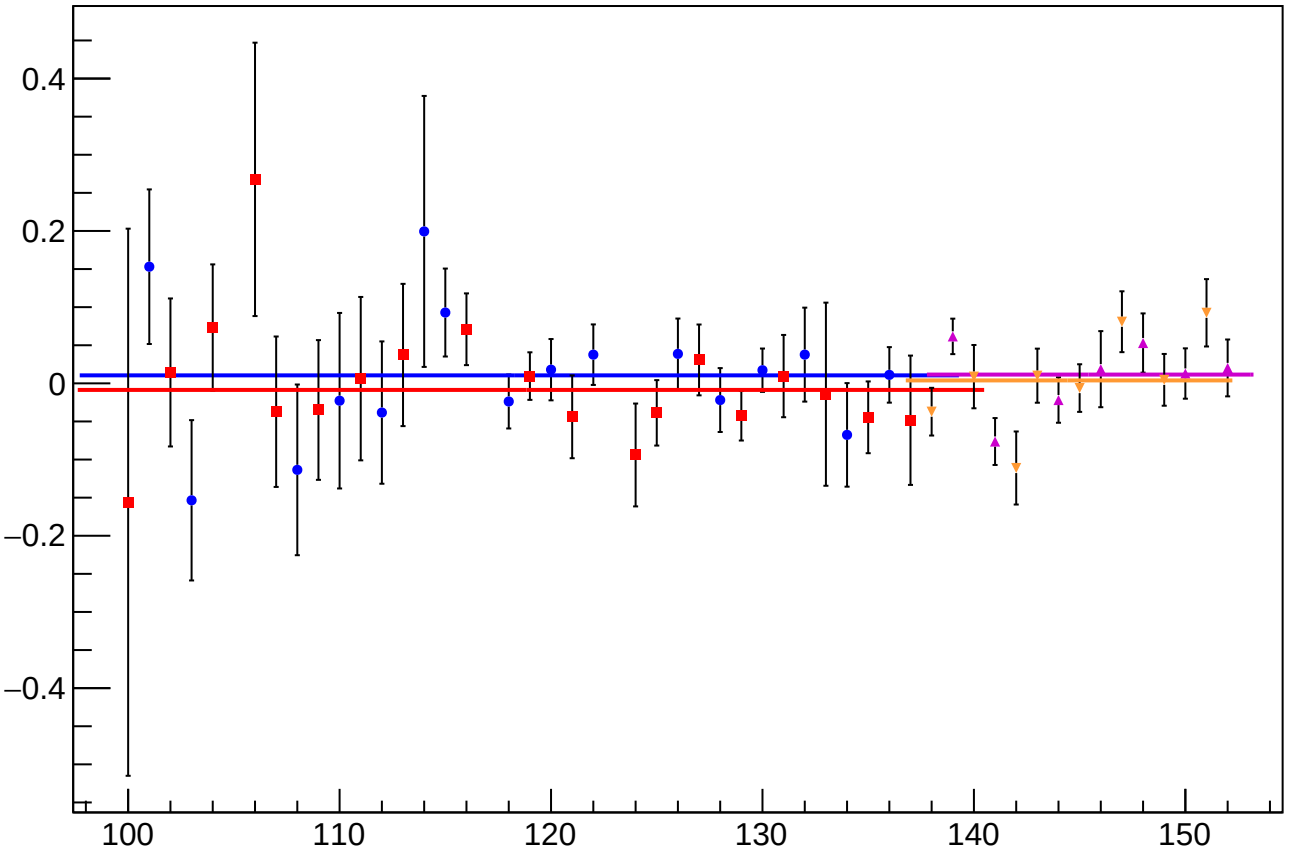
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.011+/-0.009 χ^2/NDF:28.4/22

Out: -0.002+/-0.009 χ^2/NDF:28.2/26

All: 0.005+/-0.006 χ^2/NDF: 57.7/49


asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 29.635+/-0.009 χ²/NDF: 2448468.0/15
Left Out: 31.320+/-0.009 χ²/NDF:233322.9/7
Right Out: 31.712+/-0.009 χ²/NDF: 2651470.3/18
Left In: 28.788+/-0.009 χ²/NDF:511122.6/6
Left: 29.967+/-0.006 χ²/NDF: 784588.8/14
Right: 30.618+/-0.006 χ²/NDF: 5125863.2/34
In: 29.199+/-0.006 χ²/NDF:2964265.8/22
Out: 31.514+/-0.007 χ²/NDF:2885681.1/26
All: 30.286+/-0.005 χ²/NDF: 5915670.0/49



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: 0.012+/-0.012 χ^2/NDF:15.2/6

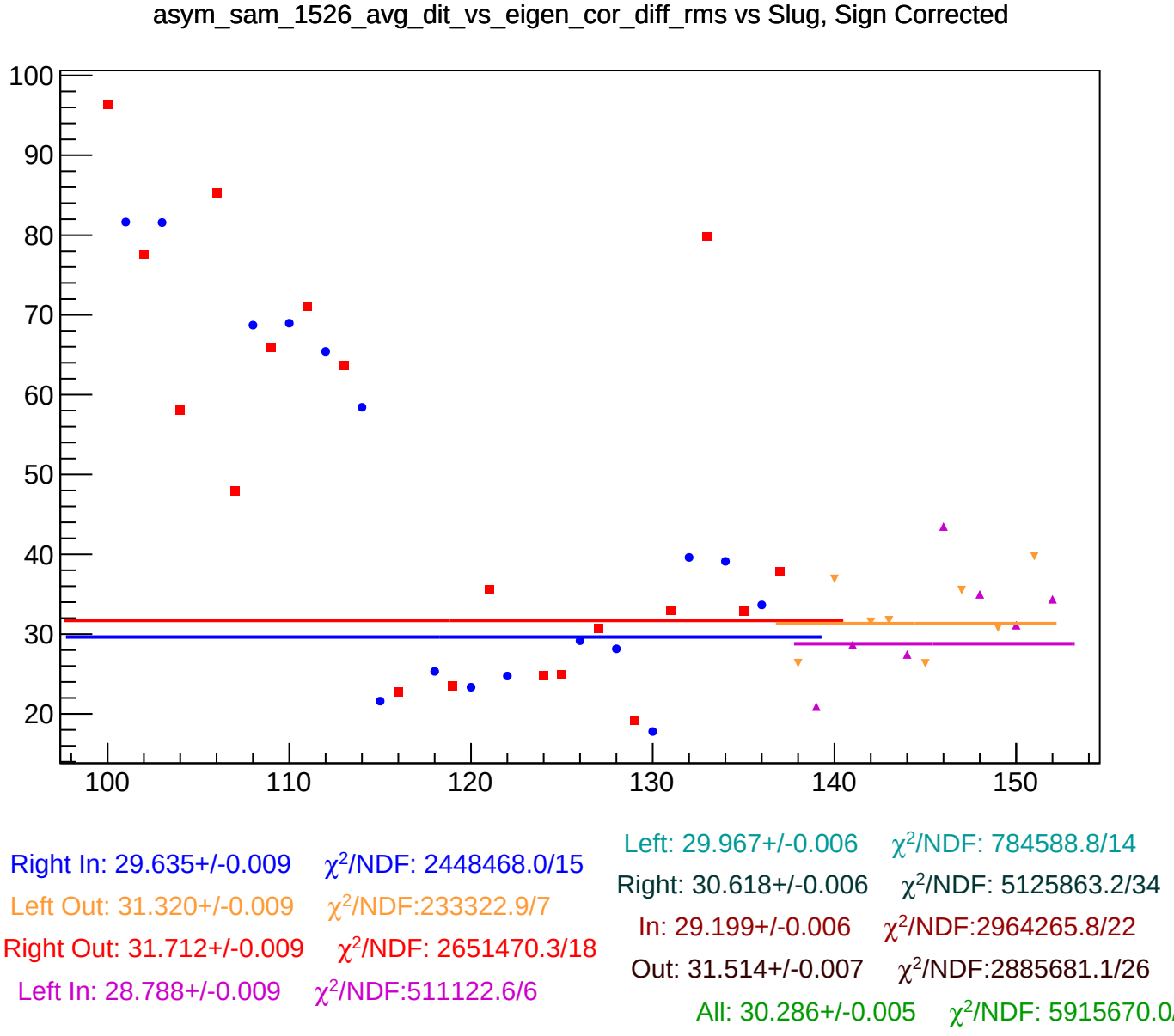
Left: 0.008+/-0.009 χ^2/NDF: 30.8/14

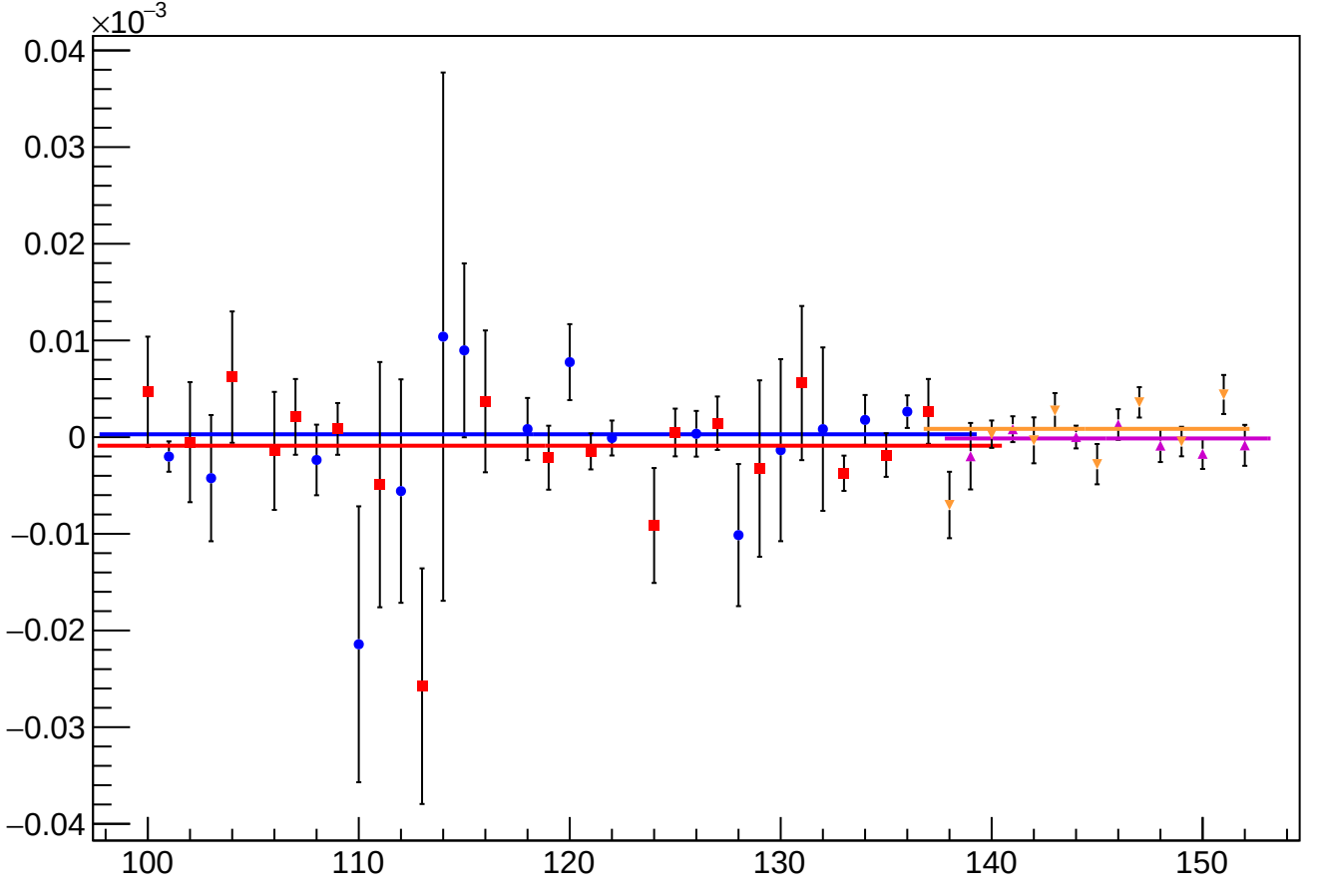
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.011+/-0.009 χ^2/NDF:28.4/22

Out: -0.002+/-0.009 χ^2/NDF:28.2/26

All: 0.005+/-0.006 χ^2/NDF: 57.7/49


asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 29.635+/-0.009 χ²/NDF: 2448468.0/15
Left Out: 31.320+/-0.009 χ²/NDF:233322.9/7
Right Out: 31.712+/-0.009 χ²/NDF: 2651470.3/18
Left In: 28.788+/-0.009 χ²/NDF:511122.6/6
Left: 29.967+/-0.006 χ²/NDF: 784588.8/14
Right: 30.618+/-0.006 χ²/NDF: 5125863.2/34
In: 29.199+/-0.006 χ²/NDF:2964265.8/22
Out: 31.514+/-0.007 χ²/NDF:2885681.1/26
All: 30.286+/-0.005 χ²/NDF: 5915670.0/49



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:3.0/6

Left: 0.000+/-0.000 χ^2/NDF: 20.9/14

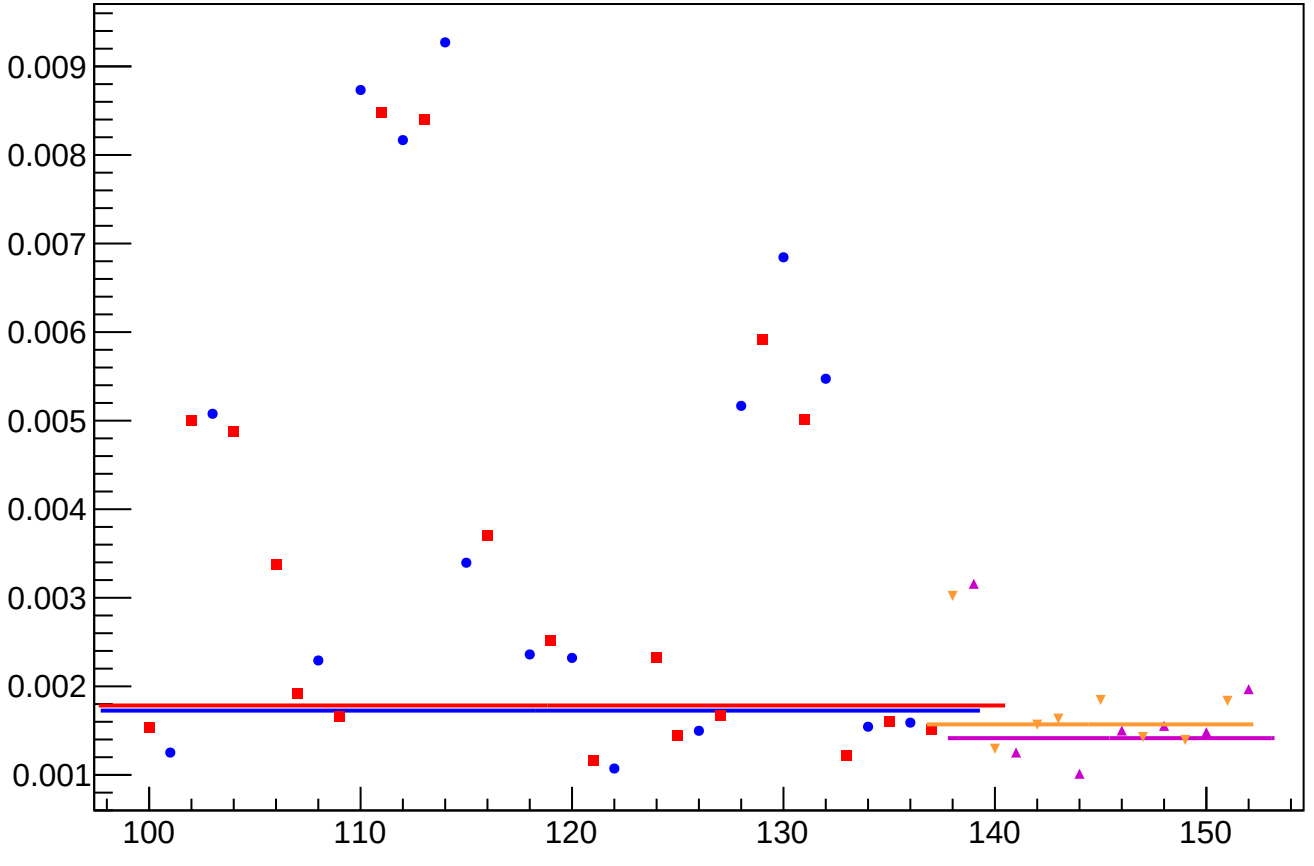
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: 0.000+/-0.000 χ^2/NDF:18.0/22

Out: 0.000+/-0.000 χ^2/NDF:35.0/26

All: 0.000+/-0.000 χ^2/NDF: 53.0/49

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:936389.2/6

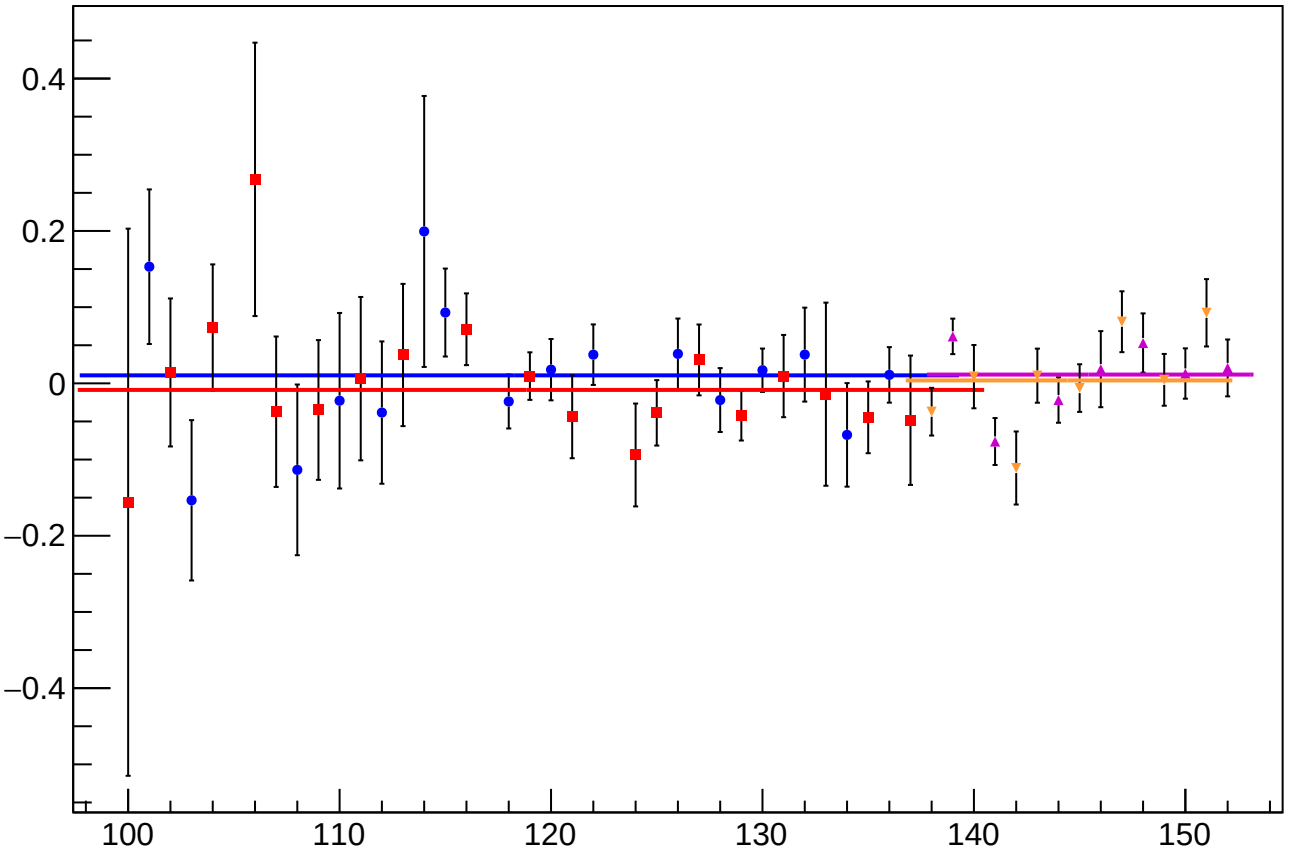
Left: 0.001+/-0.000 χ^2/NDF: 1545386.4/14

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:5073496.3/22

Out: 0.002+/-0.000 χ^2/NDF:4354990.1/26

All: 0.002+/-0.000 χ^2/NDF: 9492941.3/49



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: 0.012+/-0.012 χ^2/NDF:15.2/6

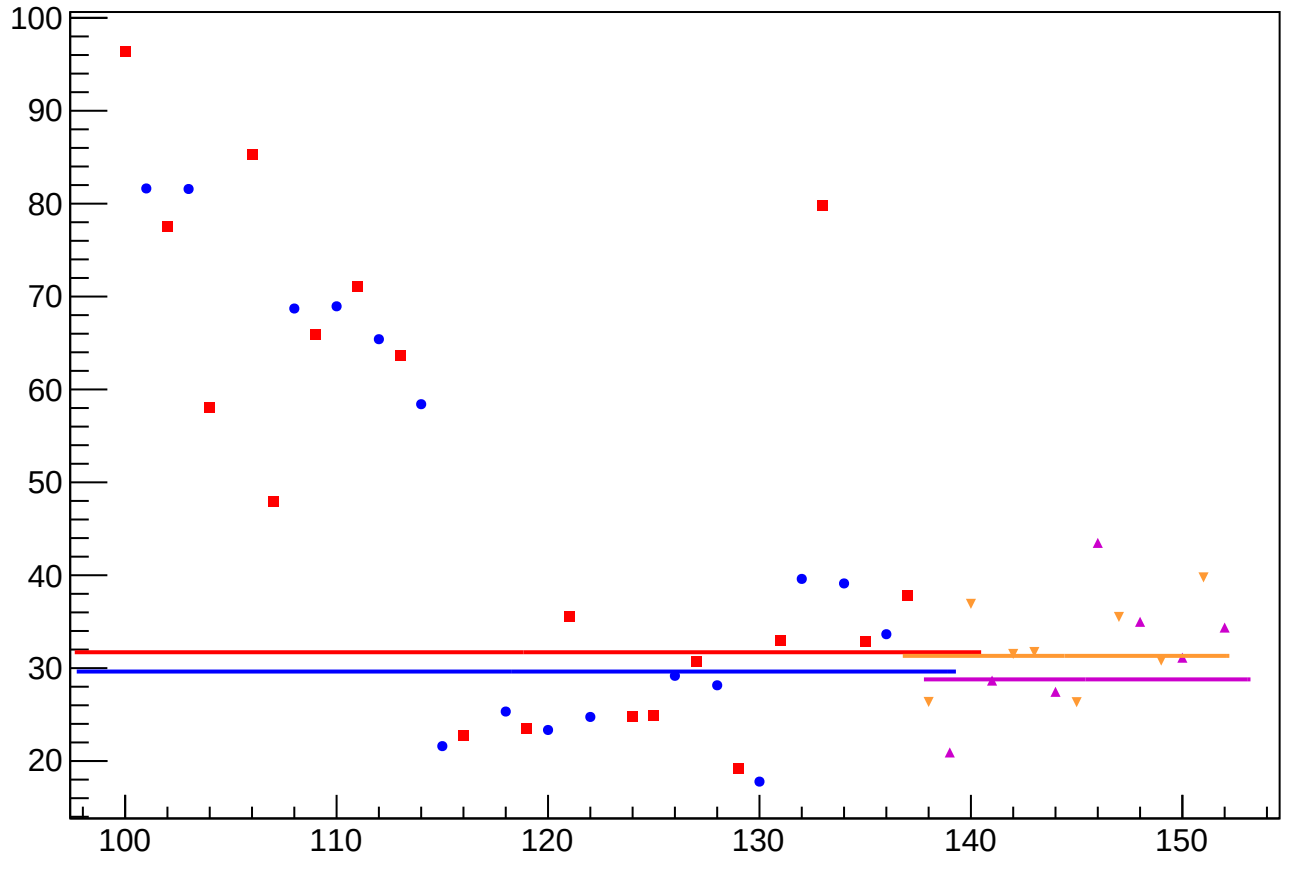
Left: 0.008+/-0.009 χ^2/NDF: 30.8/14

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.011+/-0.009 χ^2/NDF:28.4/22

Out: -0.002+/-0.009 χ^2/NDF:28.3/26

All: 0.005+/-0.006 χ^2/NDF: 57.7/49



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: 28.789+/-0.009 χ^2/NDF:511115.6/6

Left: 29.968+/-0.006 χ^2/NDF: 784582.5/14

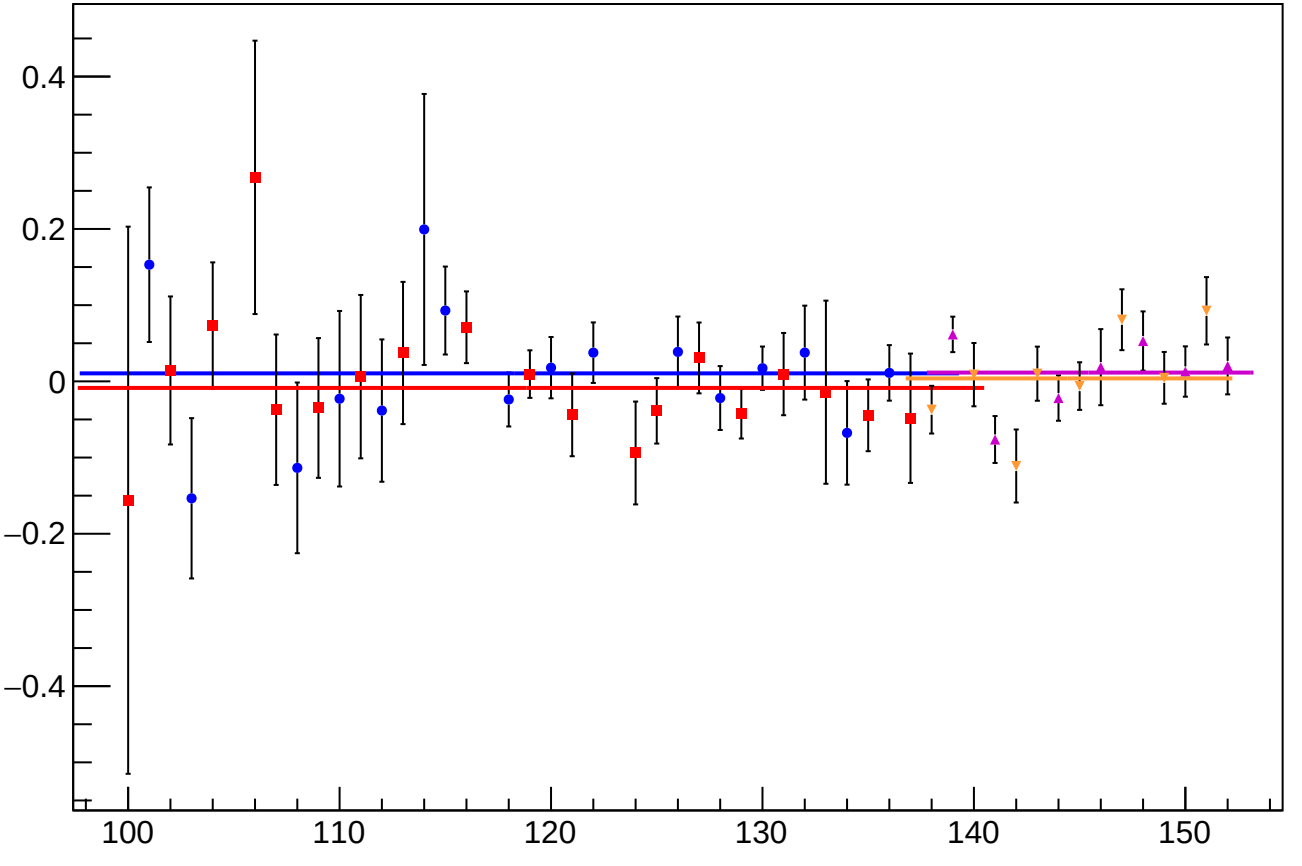
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 29.199+/-0.006 χ^2/NDF:2964442.5/22

Out: 31.513+/-0.007 χ^2/NDF:2885842.3/26

All: 30.285+/-0.005 χ^2/NDF: 5916007.7/49

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: 0.012+/-0.012 χ^2/NDF:15.2/6

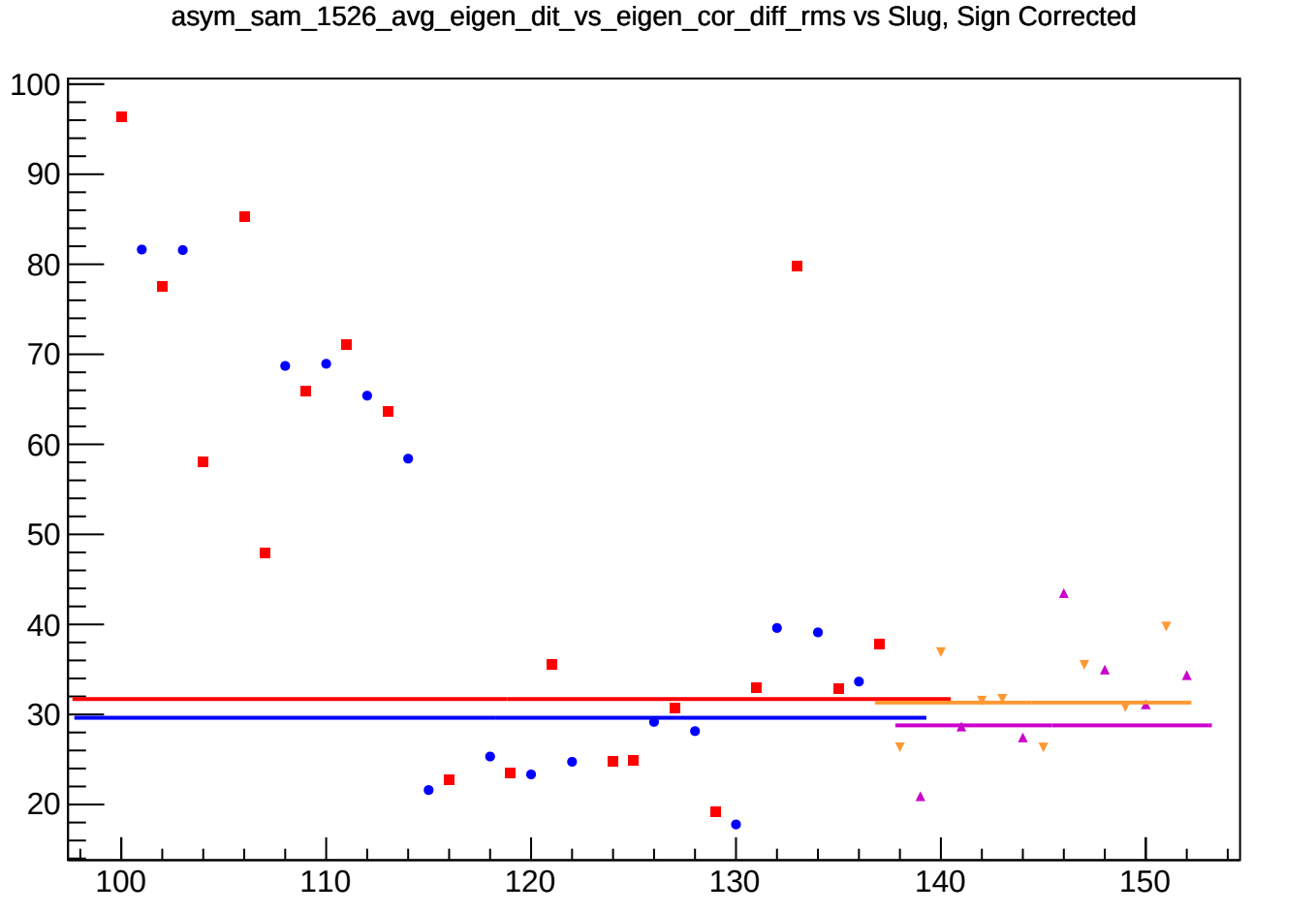
Left: 0.008+/-0.009 χ^2/NDF: 30.8/14

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.011+/-0.009 χ^2/NDF:28.4/22

Out: -0.002+/-0.009 χ^2/NDF:28.3/26

All: 0.005+/-0.006 χ^2/NDF: 57.7/49


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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100
110
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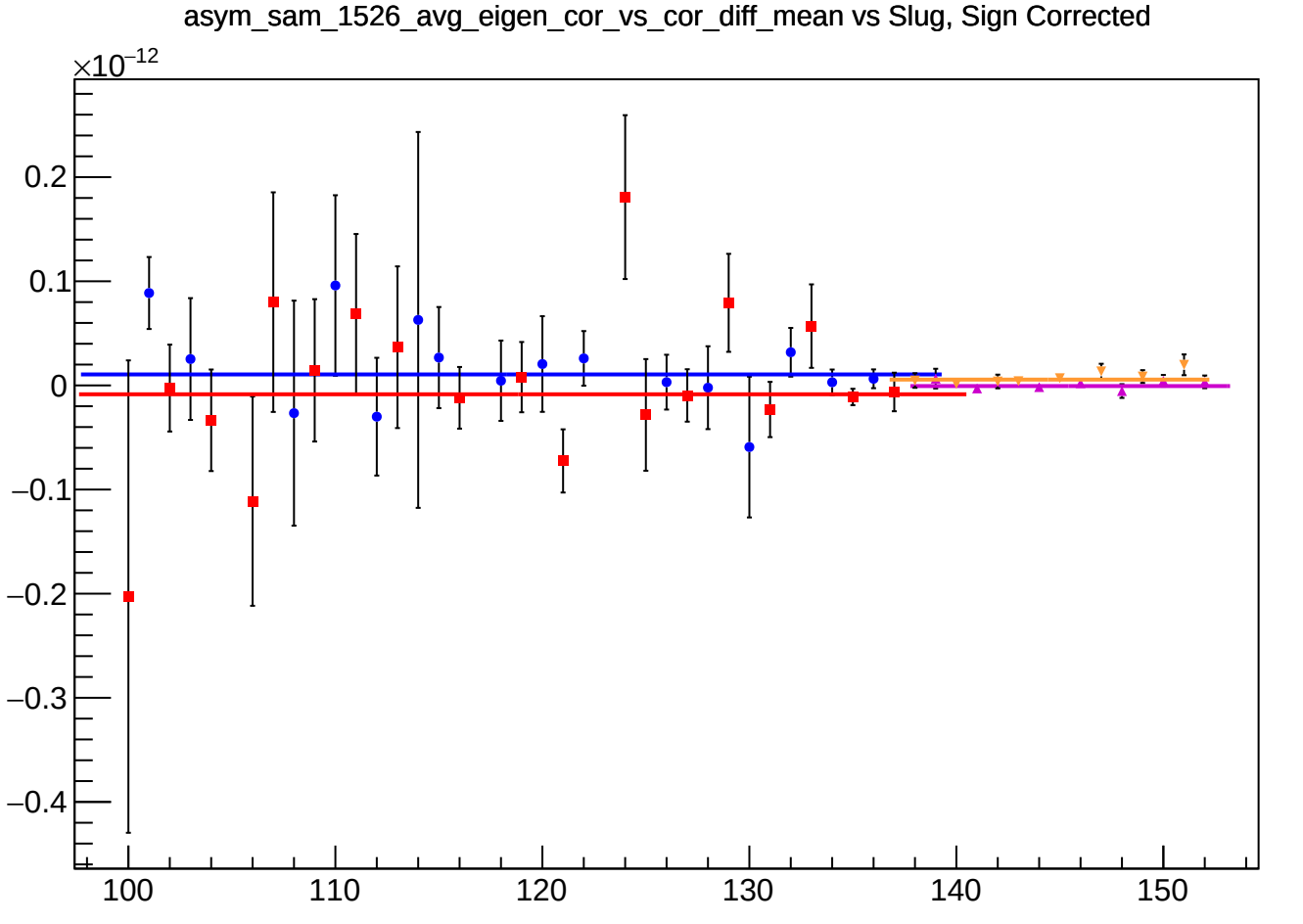
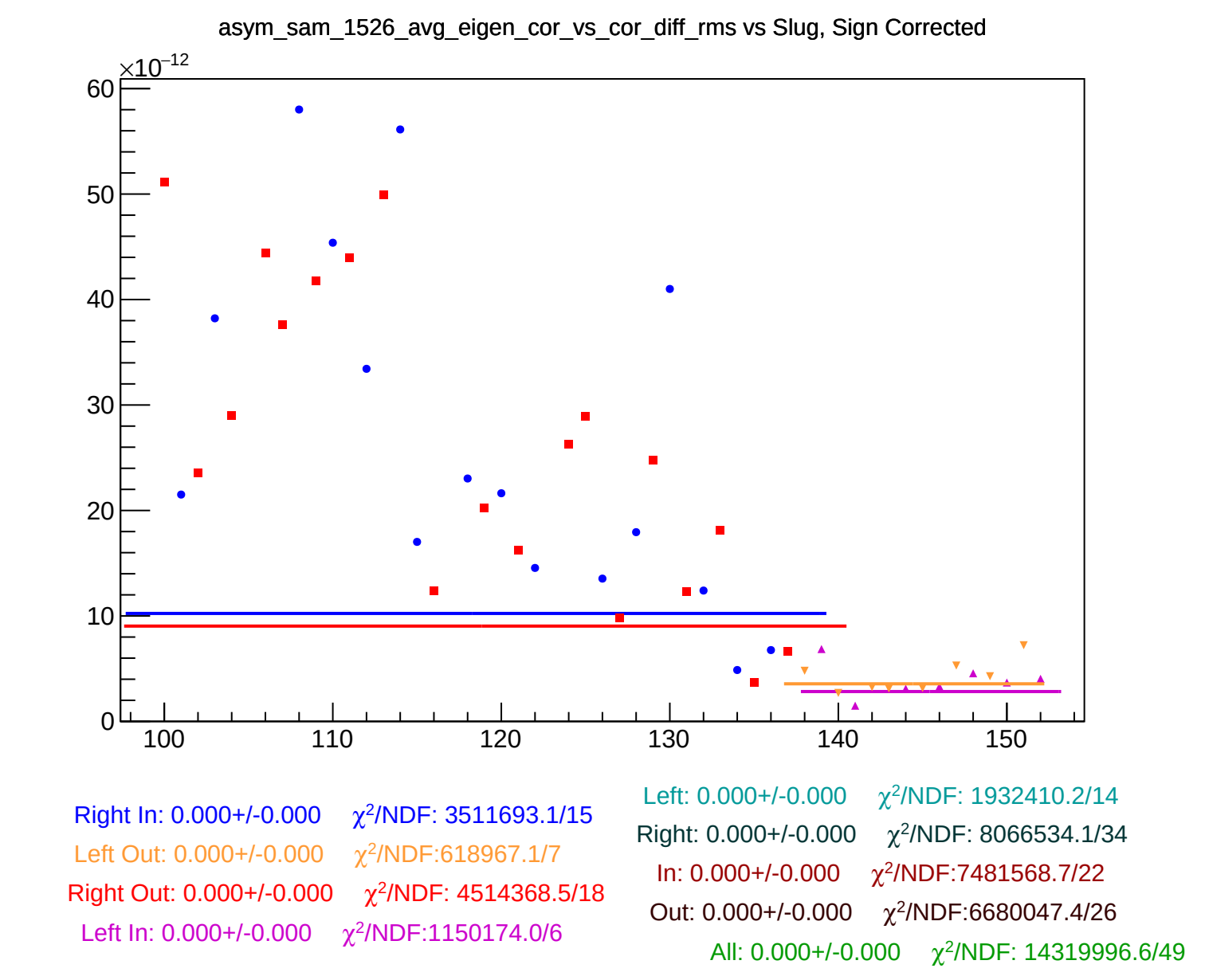
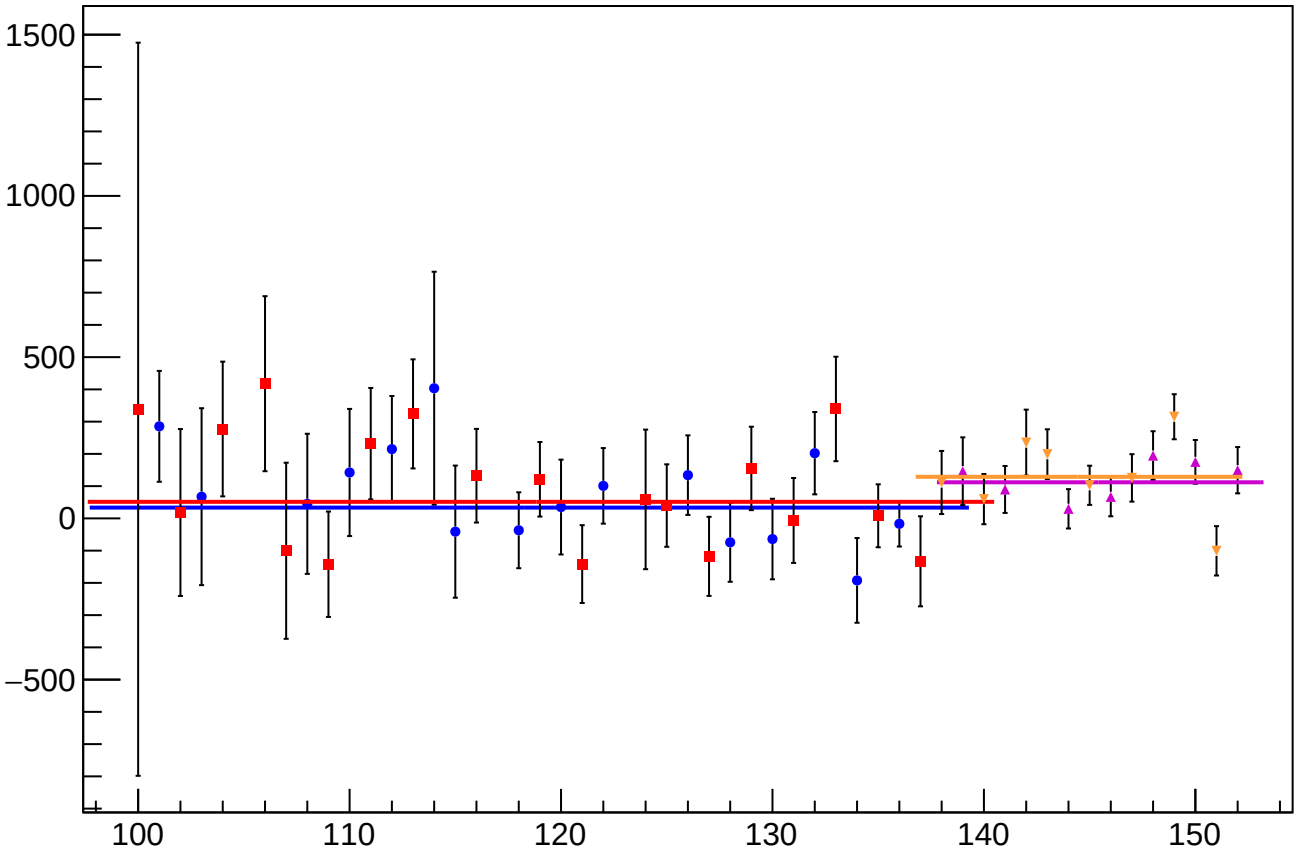
140
150
Right In: 29.633+/-0.009 χ²/NDF: 2448670.6/15
Left Out: 31.321+/-0.009 χ²/NDF:233323.9/7
Right Out: 31.711+/-0.009 χ²/NDF: 2651638.6/18
Left In: 28.789+/-0.009 χ²/NDF:511115.6/6
Left: 29.968+/-0.006 χ²/NDF: 784582.5/14
Right: 30.617+/-0.006 χ²/NDF: 5126235.3/34
In: 29.199+/-0.006 χ²/NDF:2964442.5/22
Out: 31.513+/-0.007 χ²/NDF:2885842.3/26
All: 30.285+/-0.005 χ²/NDF: 5916007.7/49


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:3.4/6
Left: 0.000+/-0.000 χ²/NDF: 14.3/14
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:16.7/22
Out: 0.000+/-0.000 χ²/NDF:31.5/26
All: 0.000+/-0.000 χ²/NDF: 51.0/49


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:1150174.0/6
Left: 0.000+/-0.000 χ²/NDF: 1932410.2/14
Right: 0.000+/-0.000 χ²/NDF: 8066534.1/34
In: 0.000+/-0.000 χ²/NDF:7481568.7/22
Out: 0.000+/-0.000 χ²/NDF:6680047.4/26
All: 0.000+/-0.000 χ²/NDF: 14319996.6/49



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: 111.948+/-26.634 χ^2/NDF:4.9/6

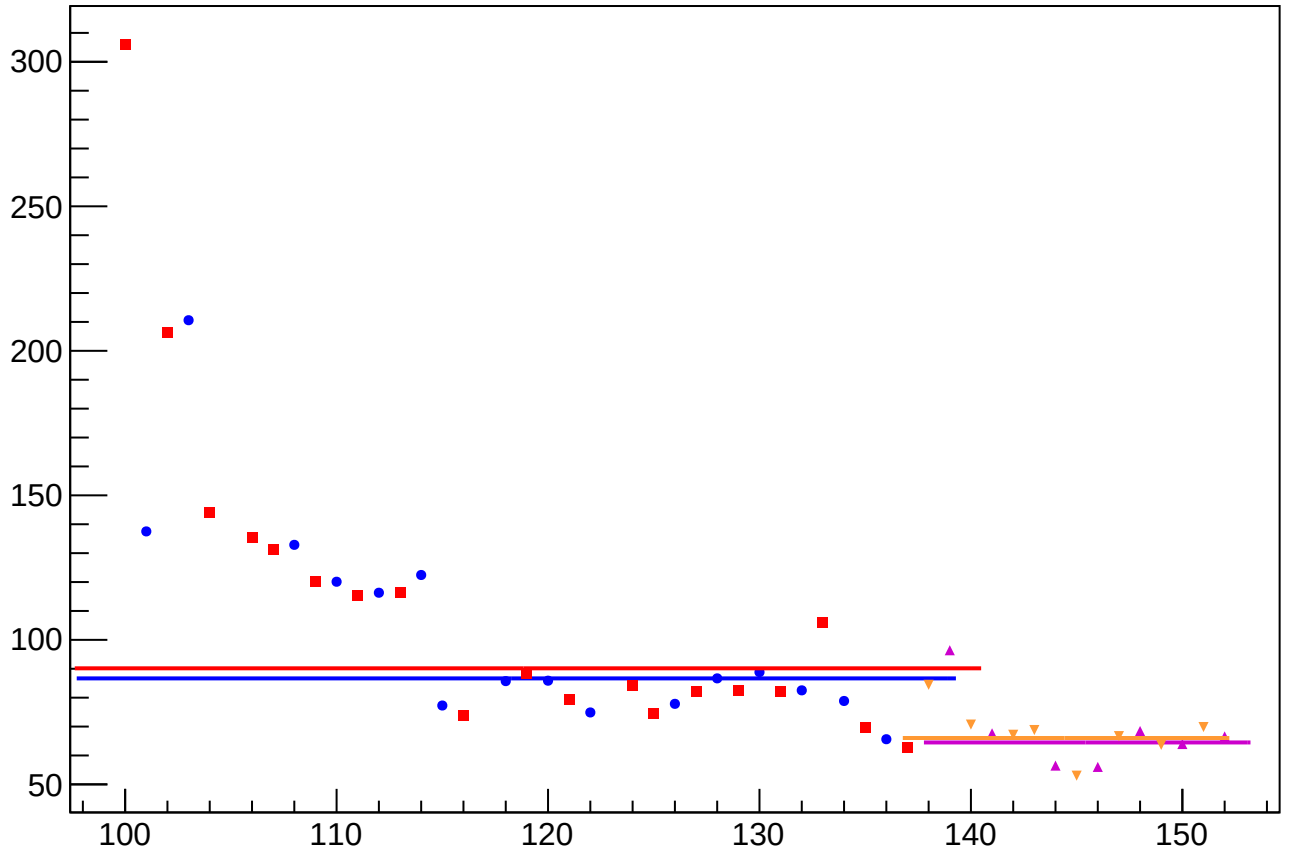
Left: 120.293+/-18.985 χ^2/NDF: 24.1/14

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 81.959+/-20.939 χ^2/NDF:21.1/22

Out: 99.722+/-21.378 χ^2/NDF:41.7/26

All: 90.656+/-14.959 χ^2/NDF: 63.1/49



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: 64.503+/-0.019 χ^2/NDF:269187.2/6

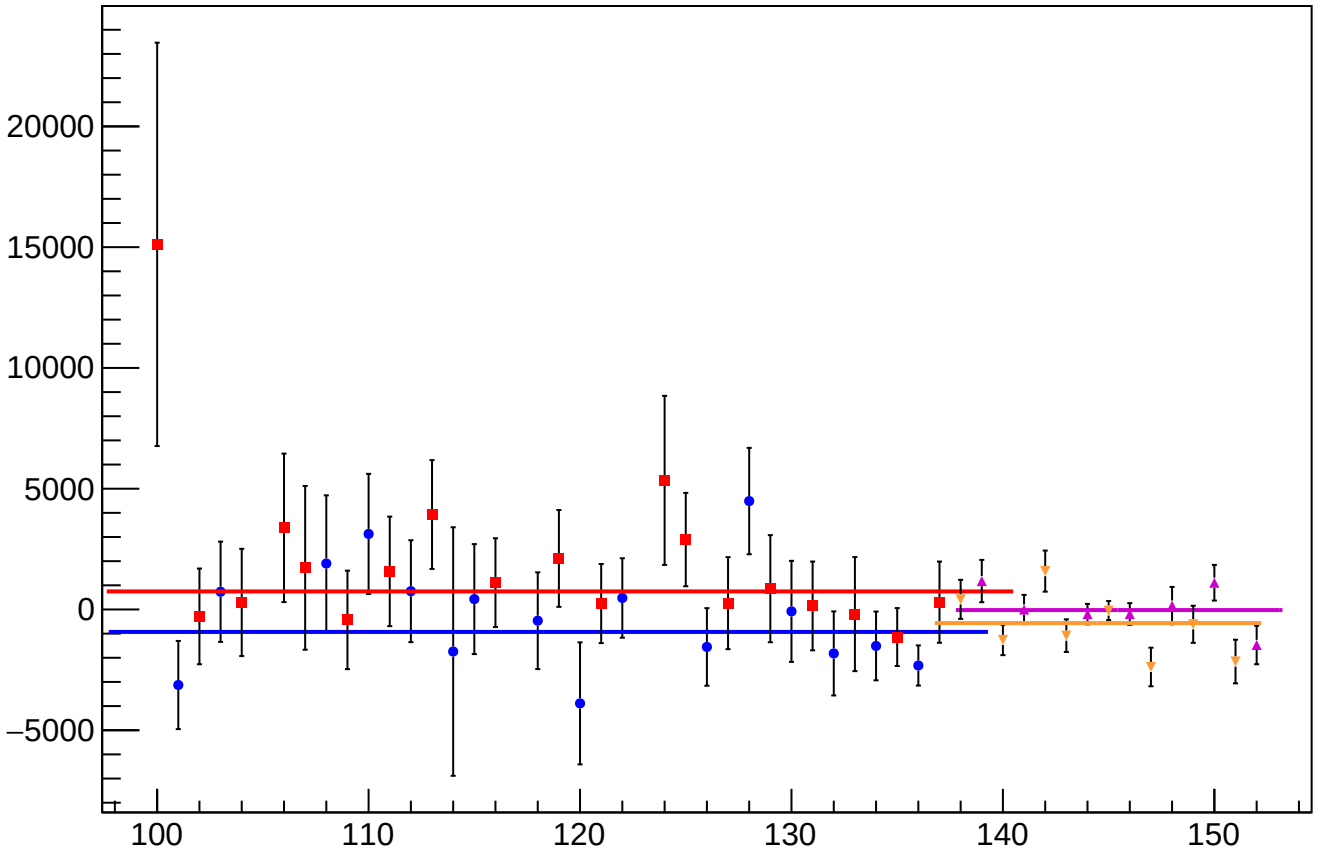
Left: 65.262+/-0.013 χ^2/NDF: 452659.0/14

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 72.968+/-0.015 χ^2/NDF:1836928.0/22

Out: 75.116+/-0.015 χ^2/NDF:1927096.7/26

All: 74.020+/-0.011 χ^2/NDF: 3774323.2/49



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: -24.929+/-225.498 χ^2/NDF:7.9/6

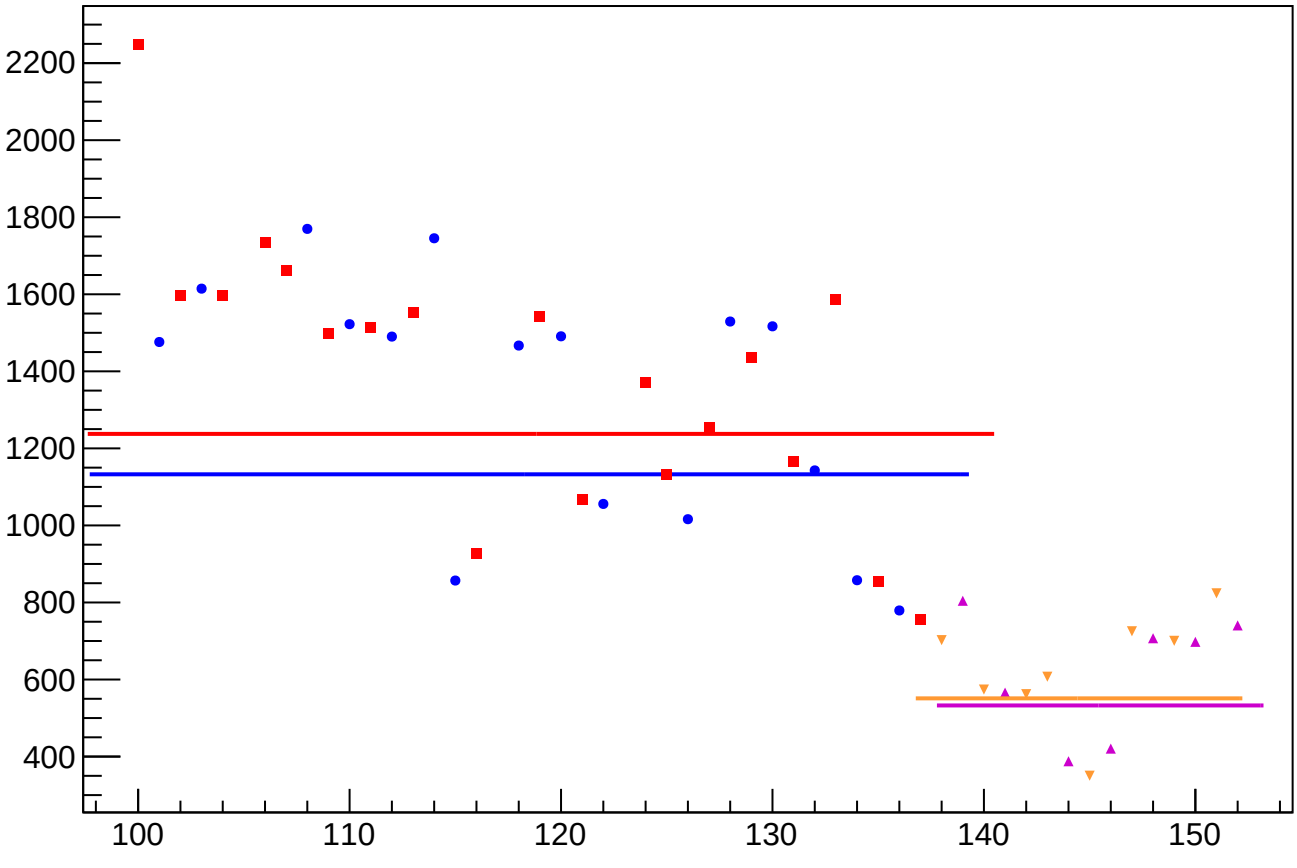
Left: -285.729+/-161.809 χ^2/NDF: 30.3/14

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -212.558+/-200.763 χ^2/NDF:29.7/22

Out: -303.517+/-208.083 χ^2/NDF:39.0/26

All: -256.410+/-144.479 χ^2/NDF: 68.8/49



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: 532.709+/-0.159 χ^2/NDF:895384.4/6

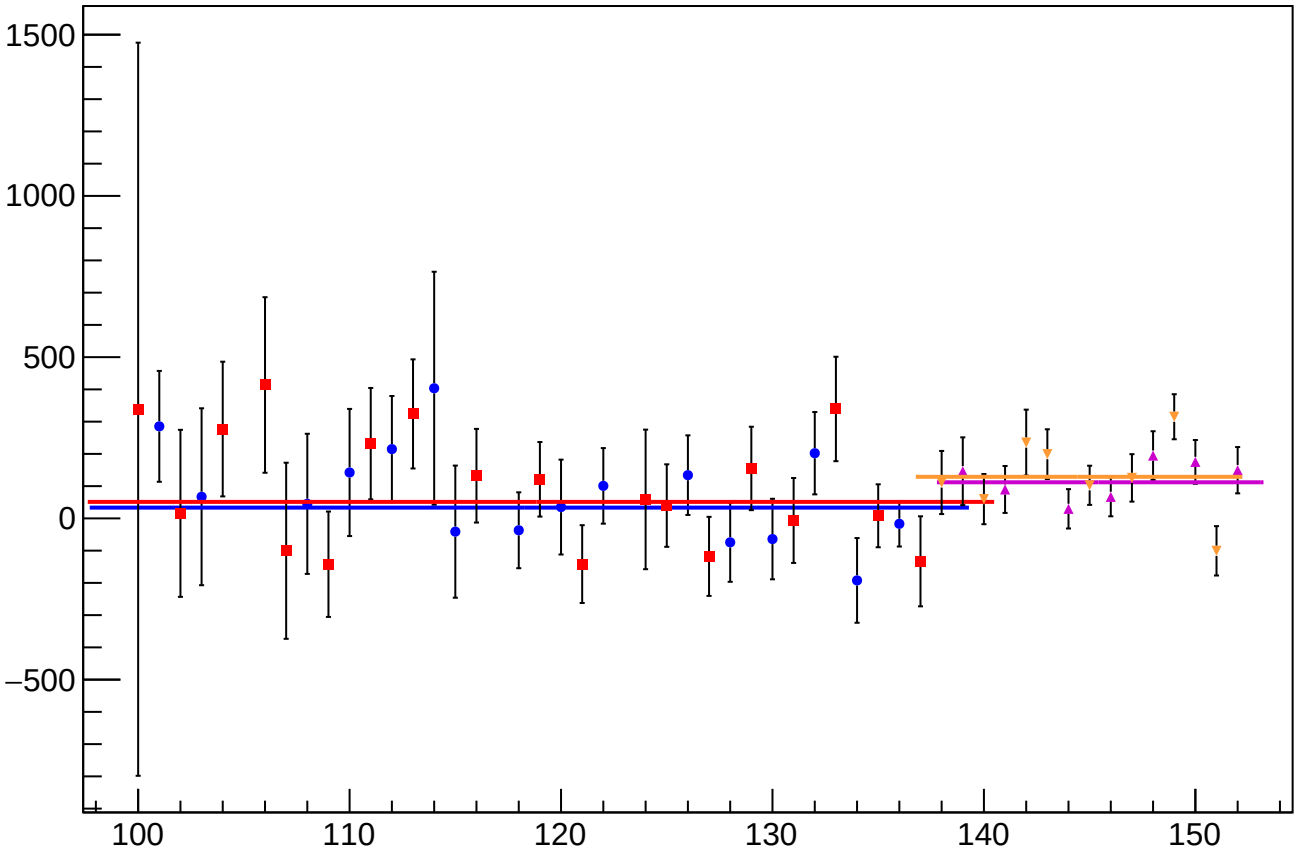
Left: 541.629+/-0.114 χ^2/NDF: 1858423.0/14

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 657.114+/-0.142 χ^2/NDF:4955277.5/22

Out: 686.865+/-0.147 χ^2/NDF:5305661.8/26

All: 671.457+/-0.102 χ^2/NDF: 10282113.6/49



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: 111.948+/-26.634 χ^2/NDF:4.9/6

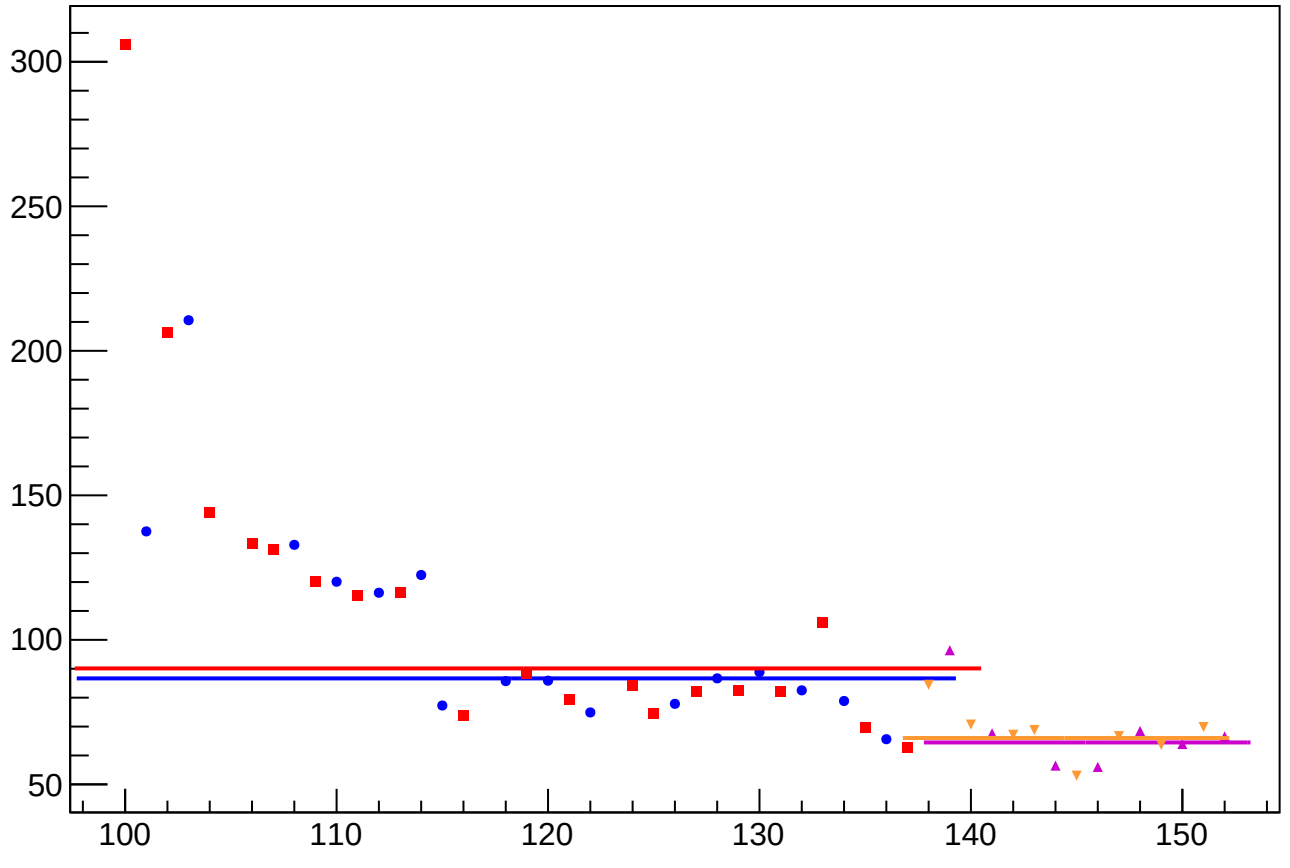
Left: 120.296+/-18.985 χ^2/NDF: 24.1/14

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 81.956+/-20.939 χ^2/NDF:21.1/22

Out: 99.673+/-21.378 χ^2/NDF:41.6/26

All: 90.630+/-14.959 χ^2/NDF: 63.0/49



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: 64.503+/-0.019 χ^2/NDF:269187.2/6

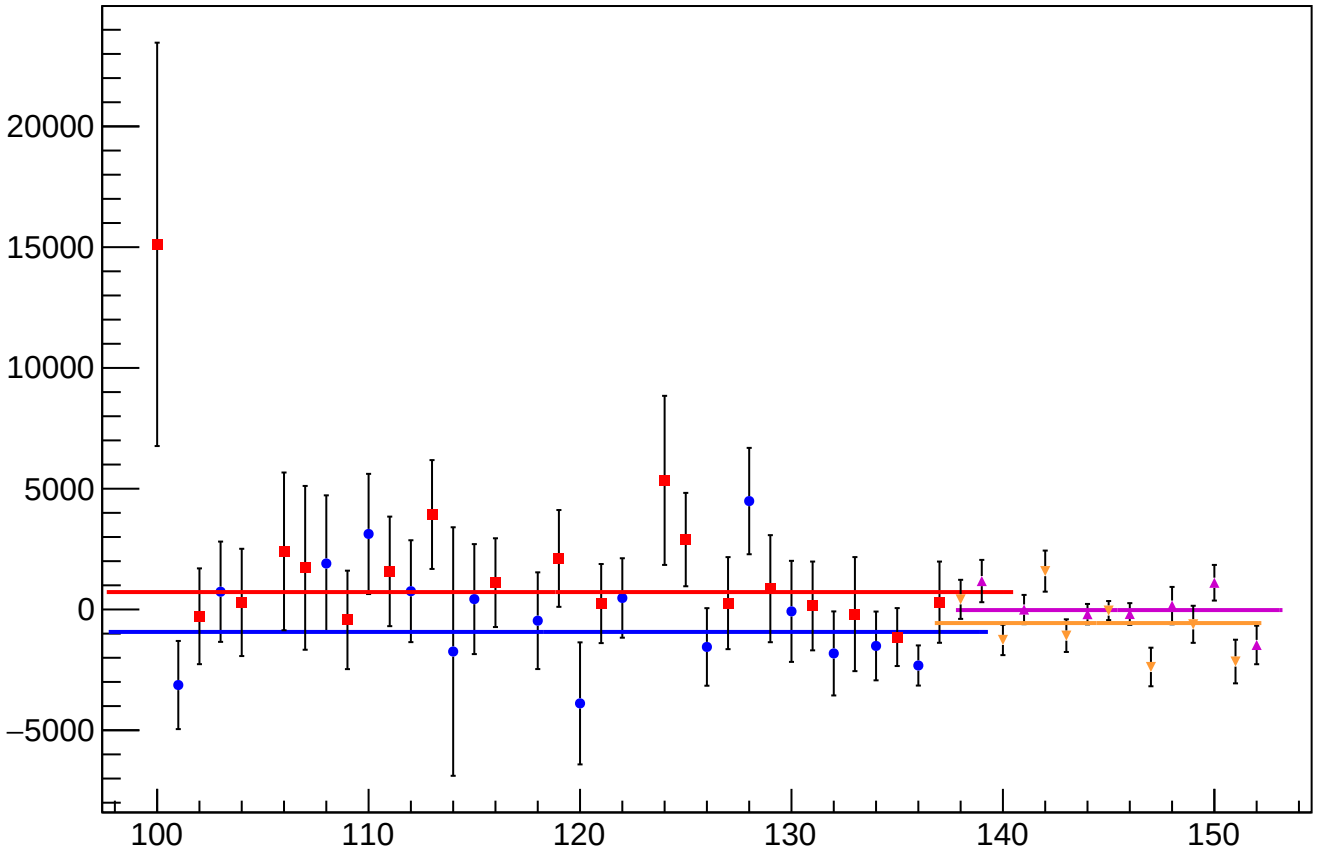
Left: 65.262+/-0.013 χ^2/NDF: 452659.0/14

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 72.968+/-0.015 χ^2/NDF:1836930.5/22

Out: 75.101+/-0.015 χ^2/NDF:1920522.7/26

All: 74.013+/-0.011 χ^2/NDF: 3767611.6/49



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: -24.926+/-225.498 χ^2/NDF:7.9/6

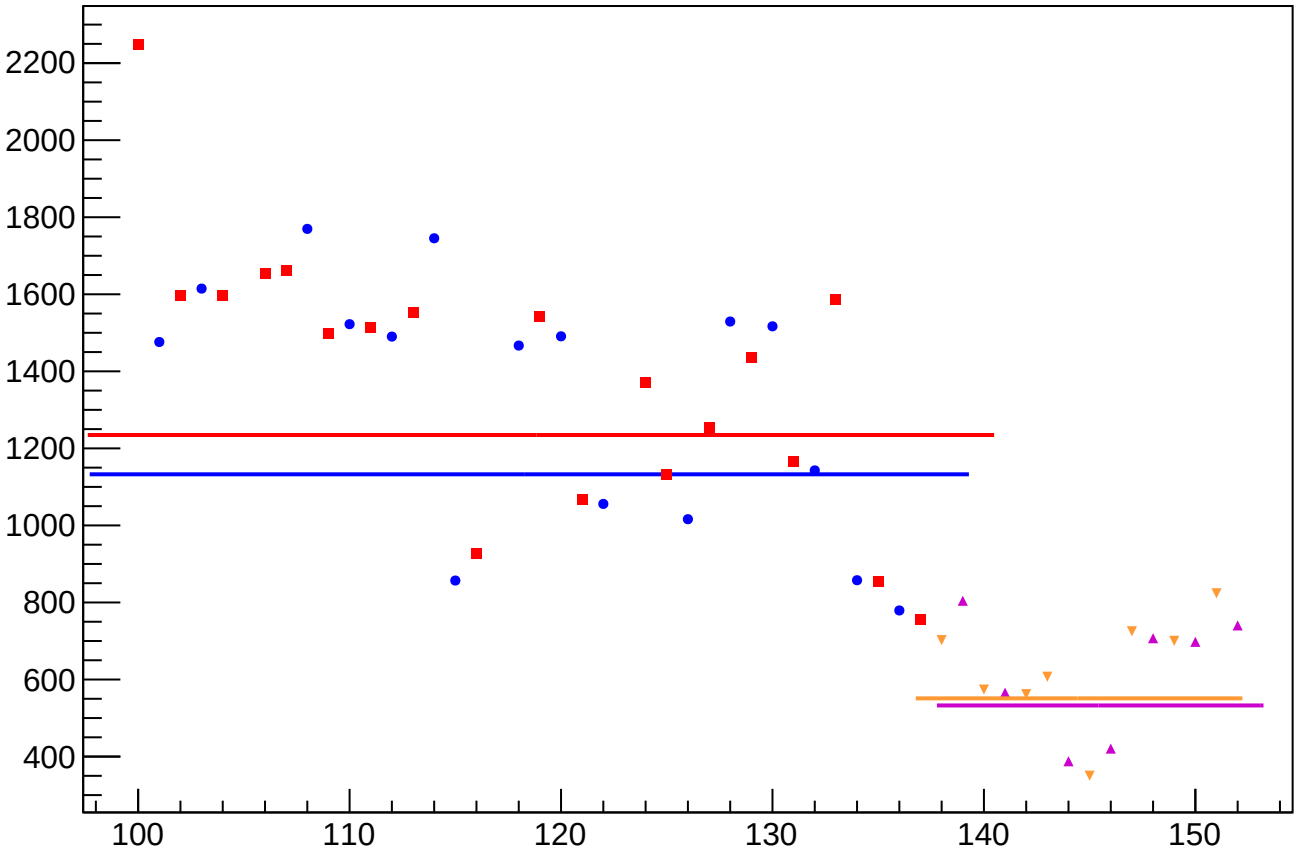
Left: -285.724+/-161.809 χ^2/NDF: 30.3/14

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -212.548+/-200.763 χ^2/NDF:29.7/22

Out: -309.327+/-208.139 χ^2/NDF:38.2/26

All: -259.192+/-144.498 χ^2/NDF: 68.1/49



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: 532.709+/-0.159 χ^2/NDF:895386.2/6

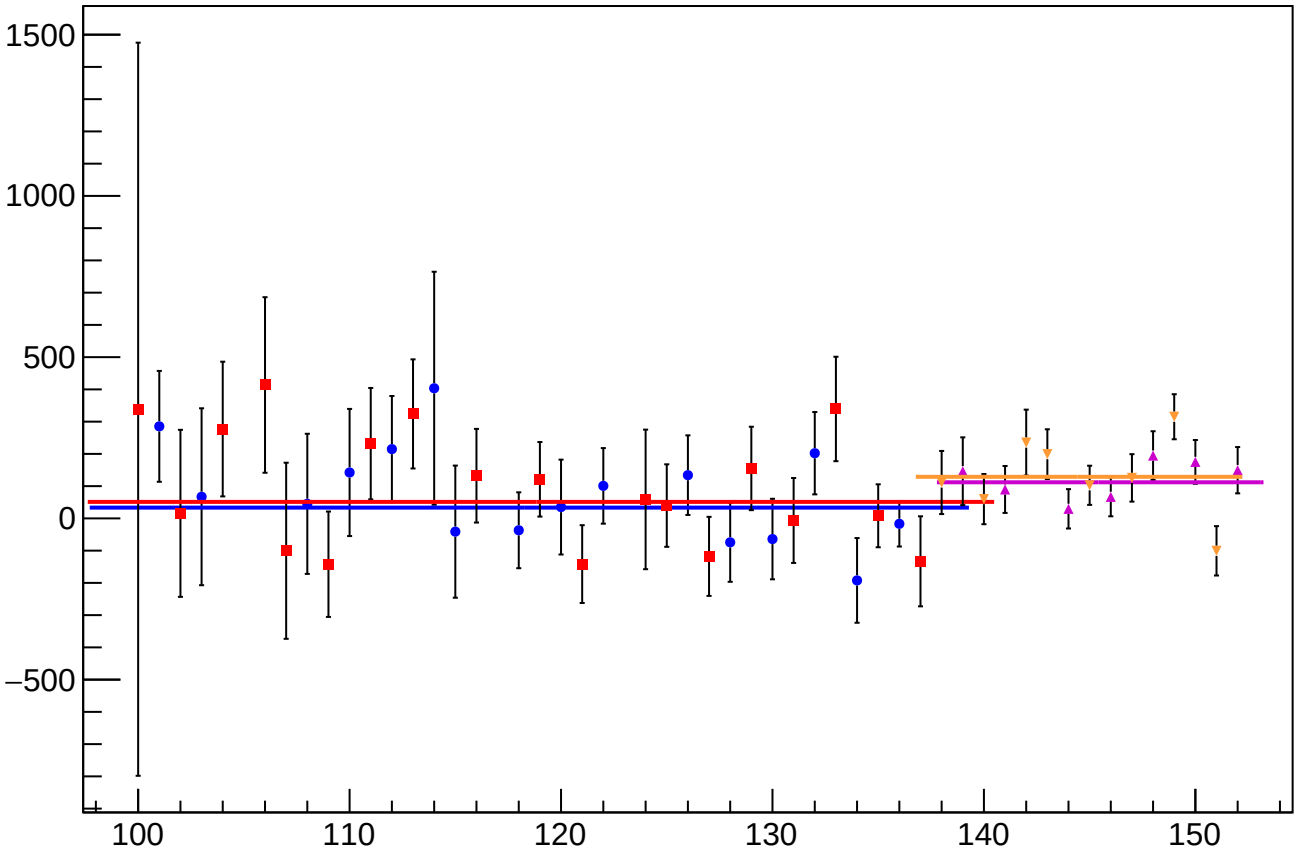
Left: 541.629+/-0.114 χ^2/NDF: 1858426.2/14

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 657.114+/-0.142 χ^2/NDF:4955314.9/22

Out: 686.000+/-0.147 χ^2/NDF:5250208.8/26

All: 671.036+/-0.102 χ^2/NDF: 10225478.6/49



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: 111.948+/-26.634 χ^2/NDF:4.9/6

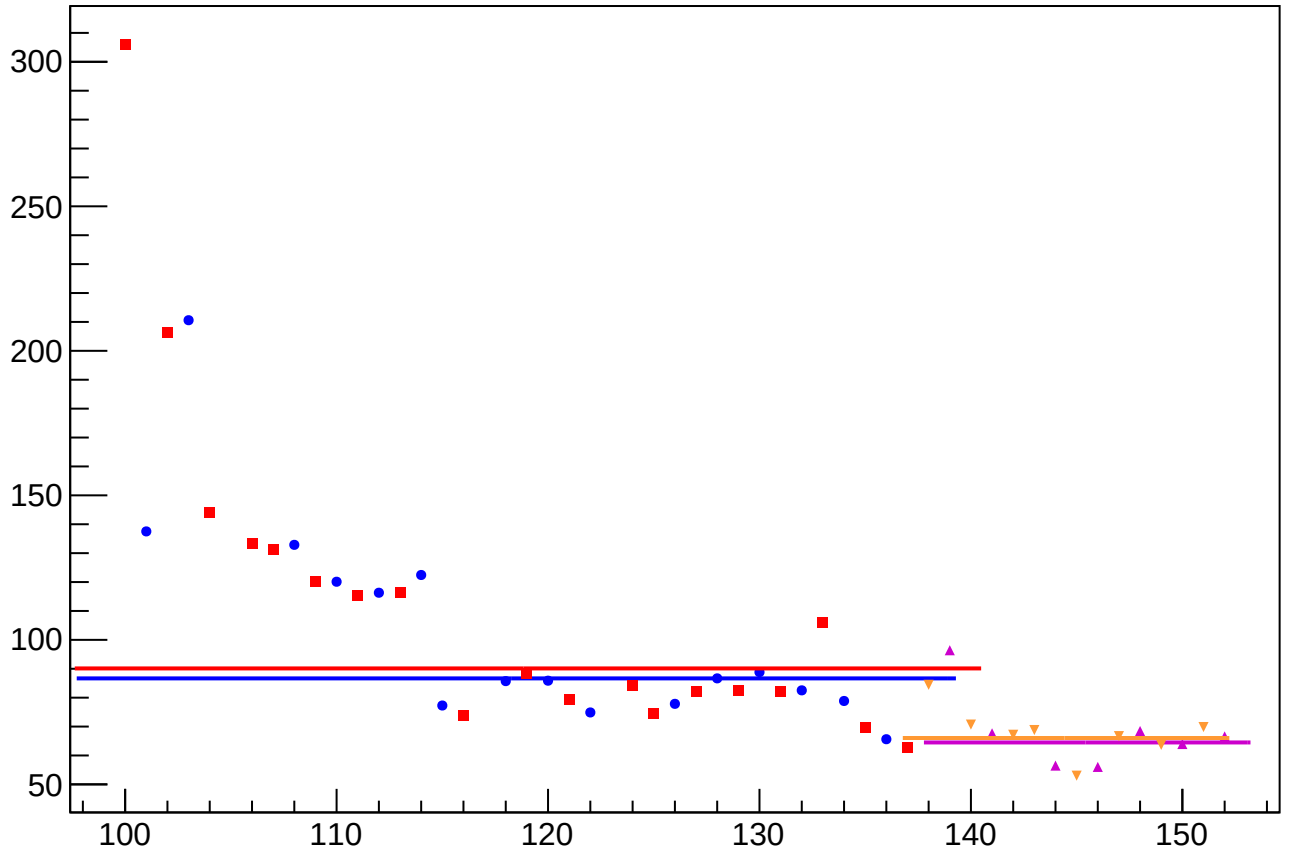
Left: 120.296+/-18.985 χ^2/NDF: 24.1/14

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 81.956+/-20.939 χ^2/NDF:21.1/22

Out: 99.673+/-21.378 χ^2/NDF:41.6/26

All: 90.630+/-14.959 χ^2/NDF: 63.0/49



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: 64.503+/-0.019 χ^2/NDF:269187.2/6

Left: 65.262+/-0.013 χ^2/NDF: 452659.0/14

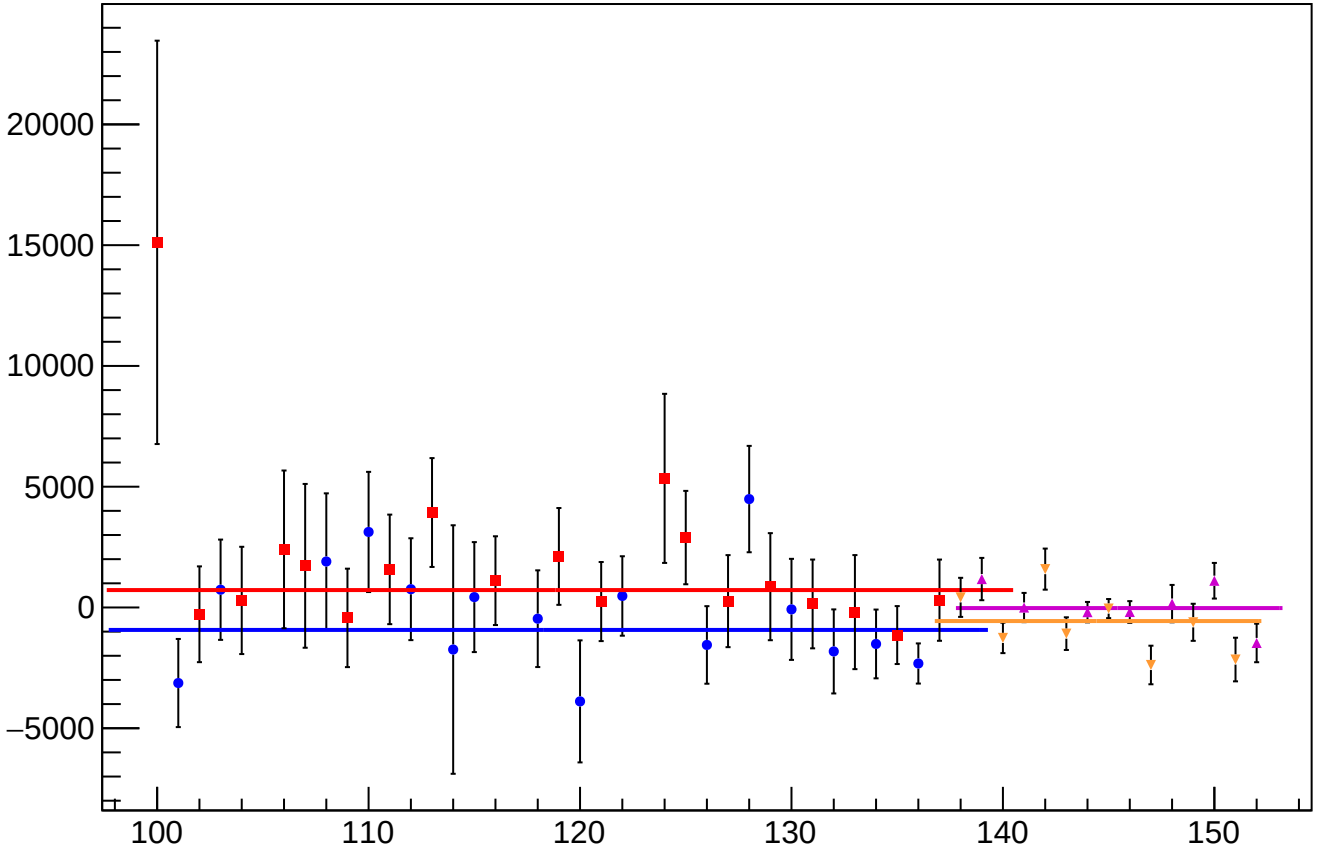
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 72.968+/-0.015 χ^2/NDF:1836930.5/22

Out: 75.101+/-0.015 χ^2/NDF:1920522.7/26

All: 74.013+/-0.011 χ^2/NDF: 3767611.6/49

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: -24.926+/-225.498 χ^2/NDF:7.9/6

Left: -285.724+/-161.809 χ^2/NDF: 30.3/14

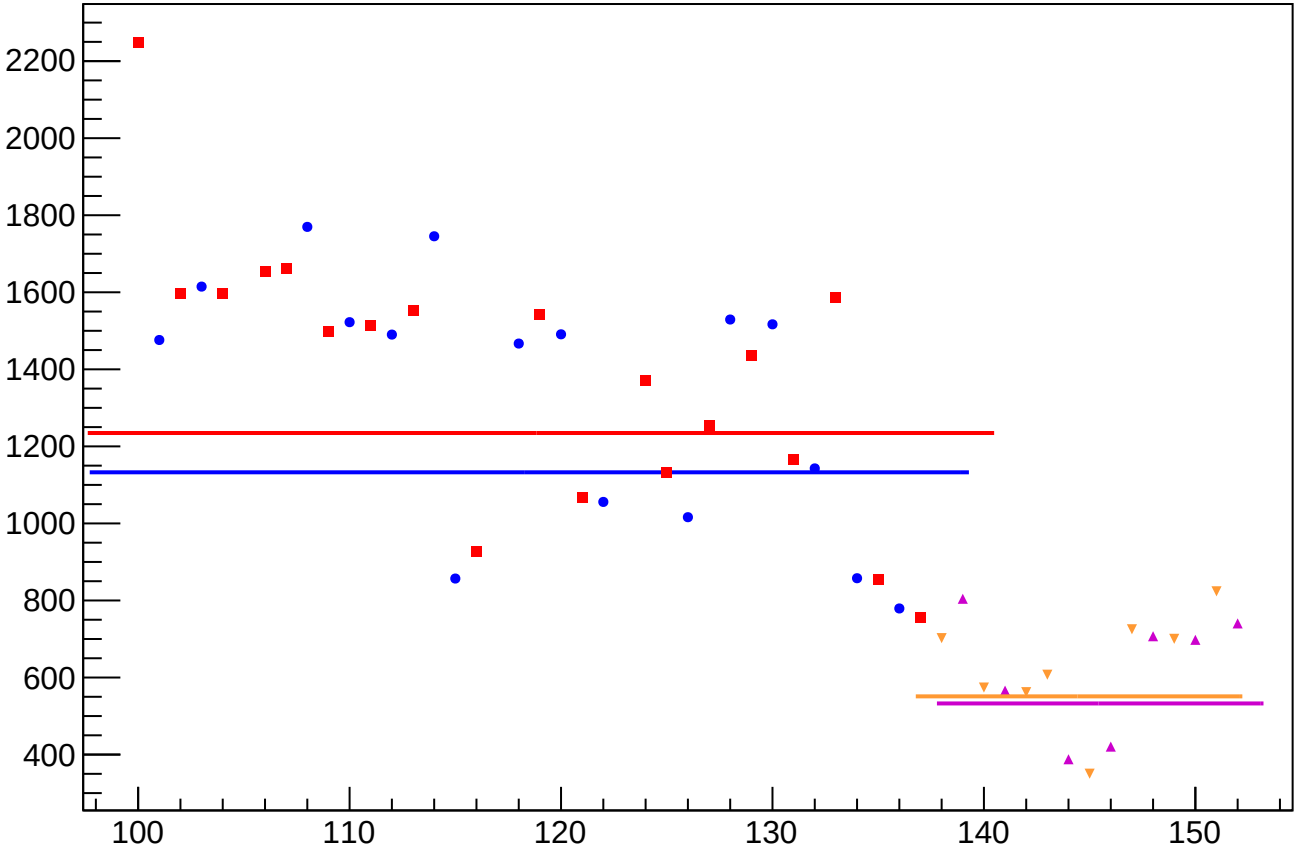
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -212.548+/-200.763 χ^2/NDF:29.7/22

Out: -309.327+/-208.139 χ^2/NDF:38.2/26

All: -259.192+/-144.498 χ^2/NDF: 68.1/49

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: 532.709+/-0.159 χ^2/NDF:895386.2/6

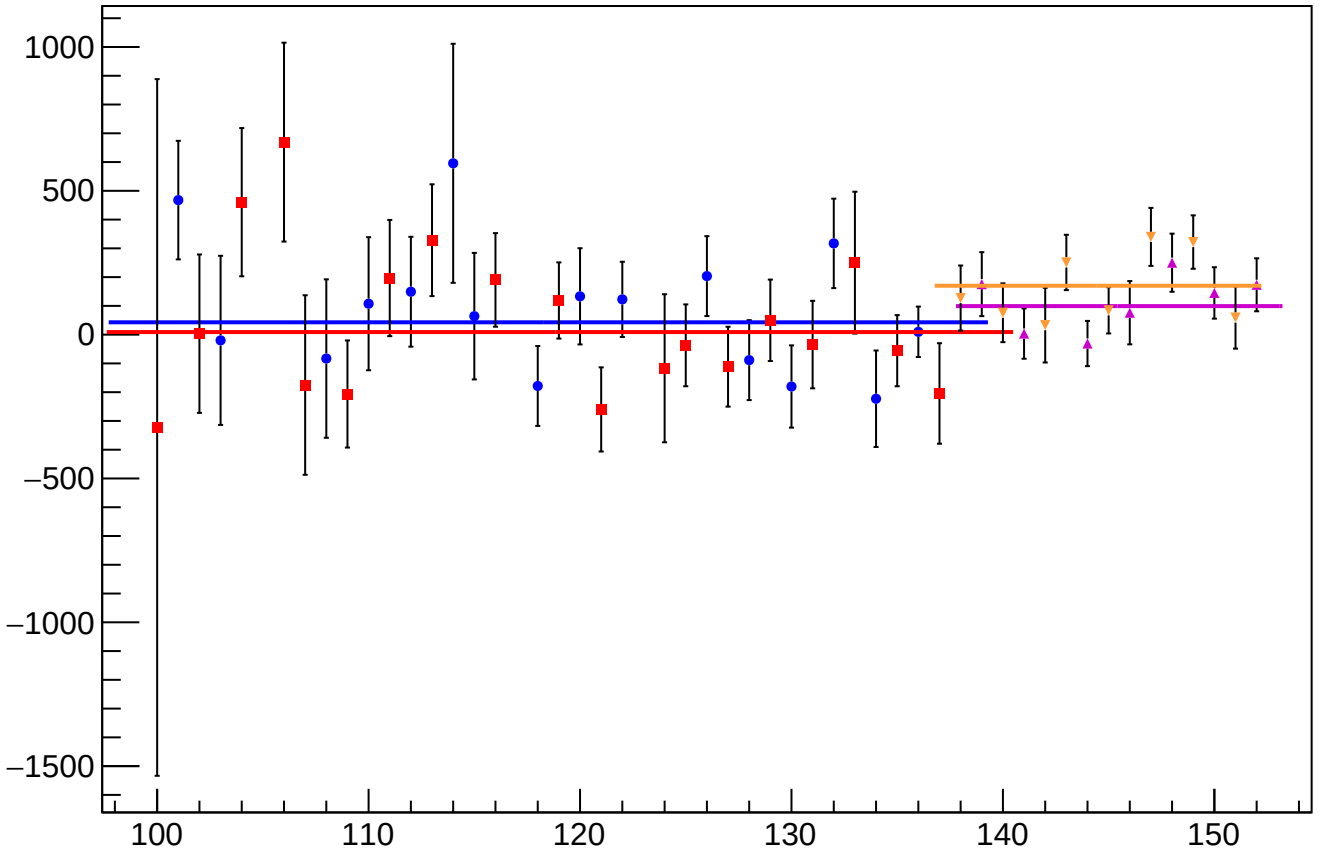
Left: 541.629+/-0.114 χ^2/NDF: 1858426.2/14

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 657.114+/-0.142 χ^2/NDF:4955314.9/22

Out: 686.000+/-0.147 χ^2/NDF:5250208.8/26

All: 671.036+/-0.102 χ^2/NDF: 10225478.6/49



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: 99.230+/-35.415 χ^2/NDF:7.6/6

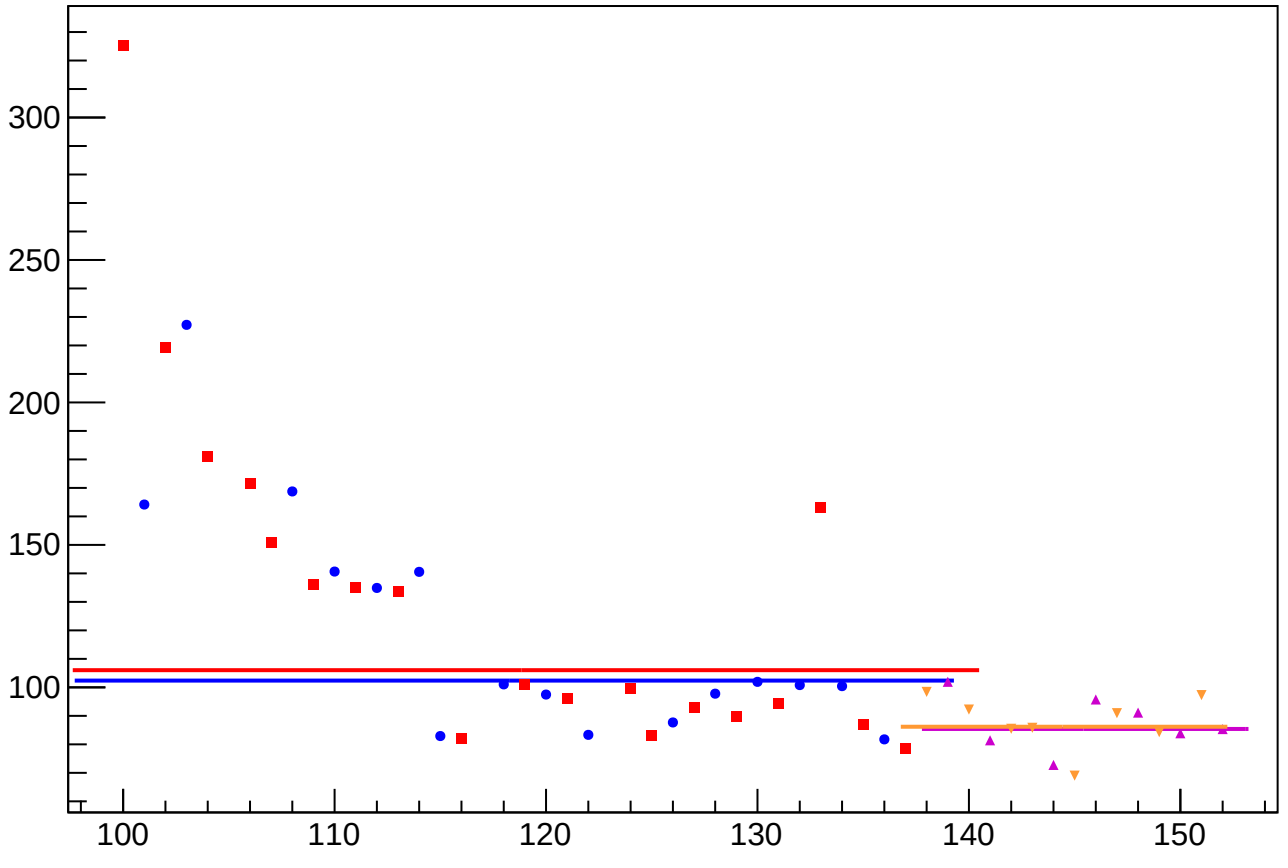
Left: 134.578+/-25.053 χ^2/NDF: 20.1/14

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 74.447+/-26.501 χ^2/NDF:29.0/22

Out: 101.239+/-26.831 χ^2/NDF:40.6/26

All: 87.677+/-18.854 χ^2/NDF: 70.2/49



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: 85.403+/-0.025 χ^2/NDF:124771.3/6

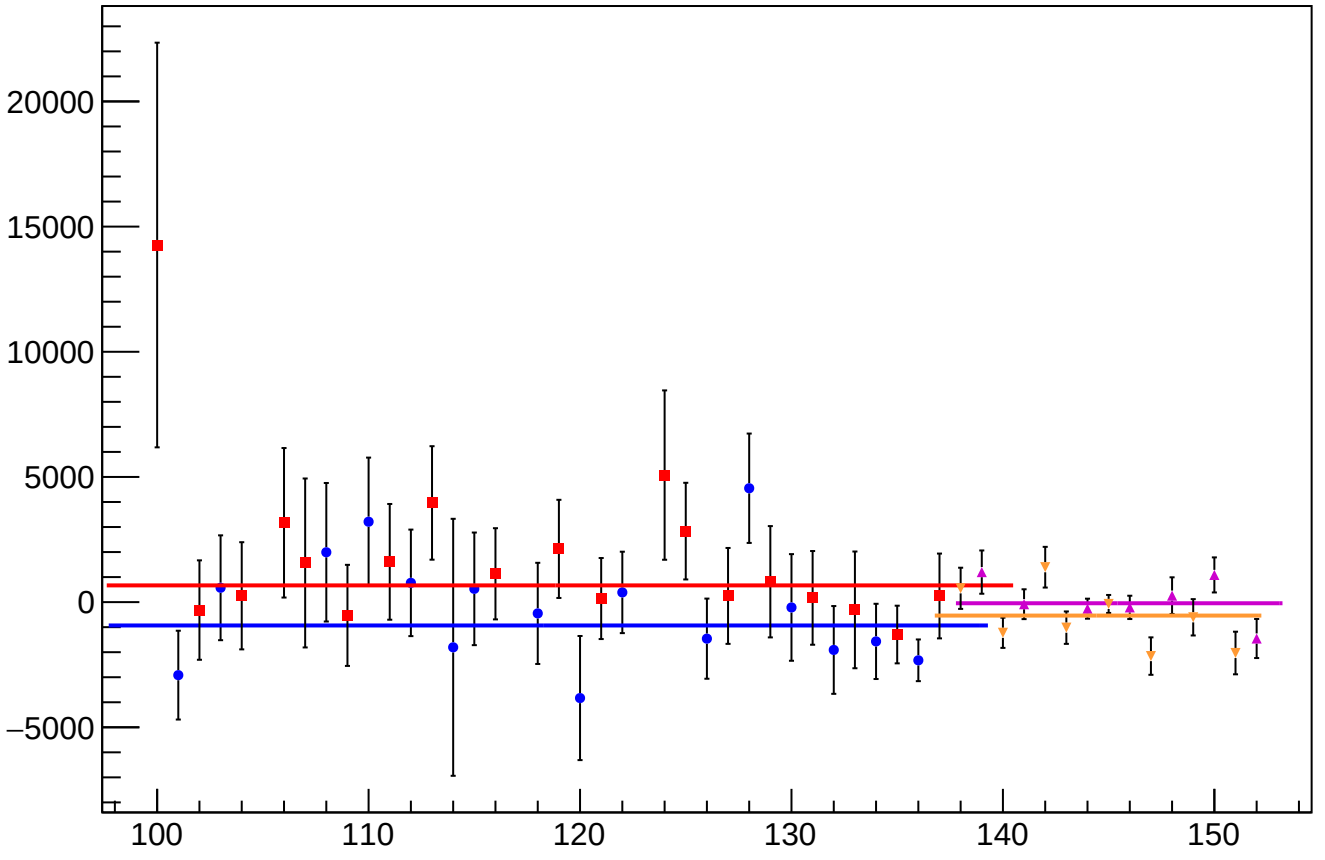
Left: 85.792+/-0.018 χ^2/NDF: 273113.0/14

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 92.873+/-0.019 χ^2/NDF:1309300.2/22

Out: 94.658+/-0.019 χ^2/NDF:1607020.2/26

All: 93.755+/-0.013 χ^2/NDF: 2920799.2/49



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: -44.885+/-220.441 χ^2/NDF:8.5/6

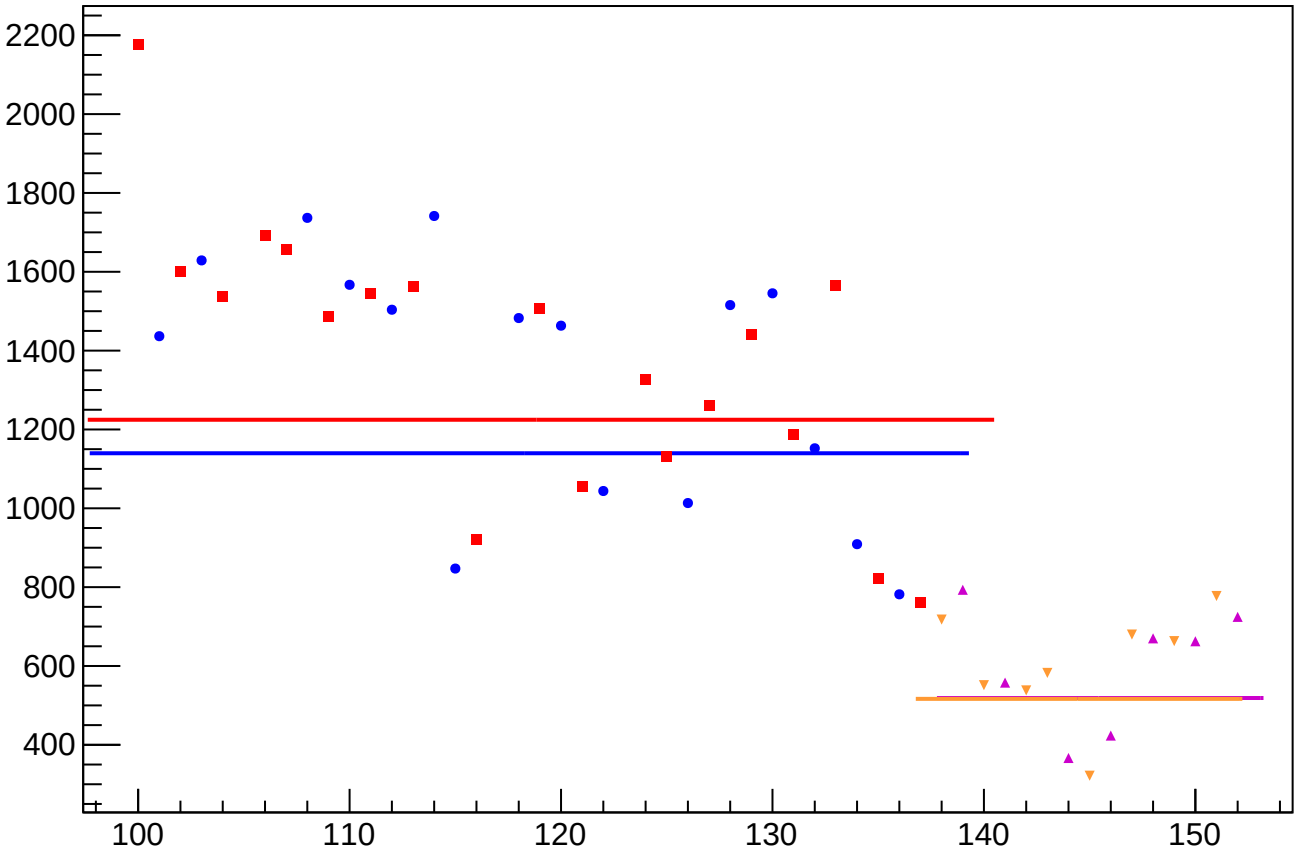
Left: -293.164+/-155.188 χ^2/NDF: 29.8/14

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -221.203+/-197.333 χ^2/NDF:30.2/22

Out: -317.661+/-197.625 χ^2/NDF:37.7/26

All: -269.361+/-139.638 χ^2/NDF: 68.1/49



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: 518.785+/-0.156 χ^2/NDF:893221.9/6

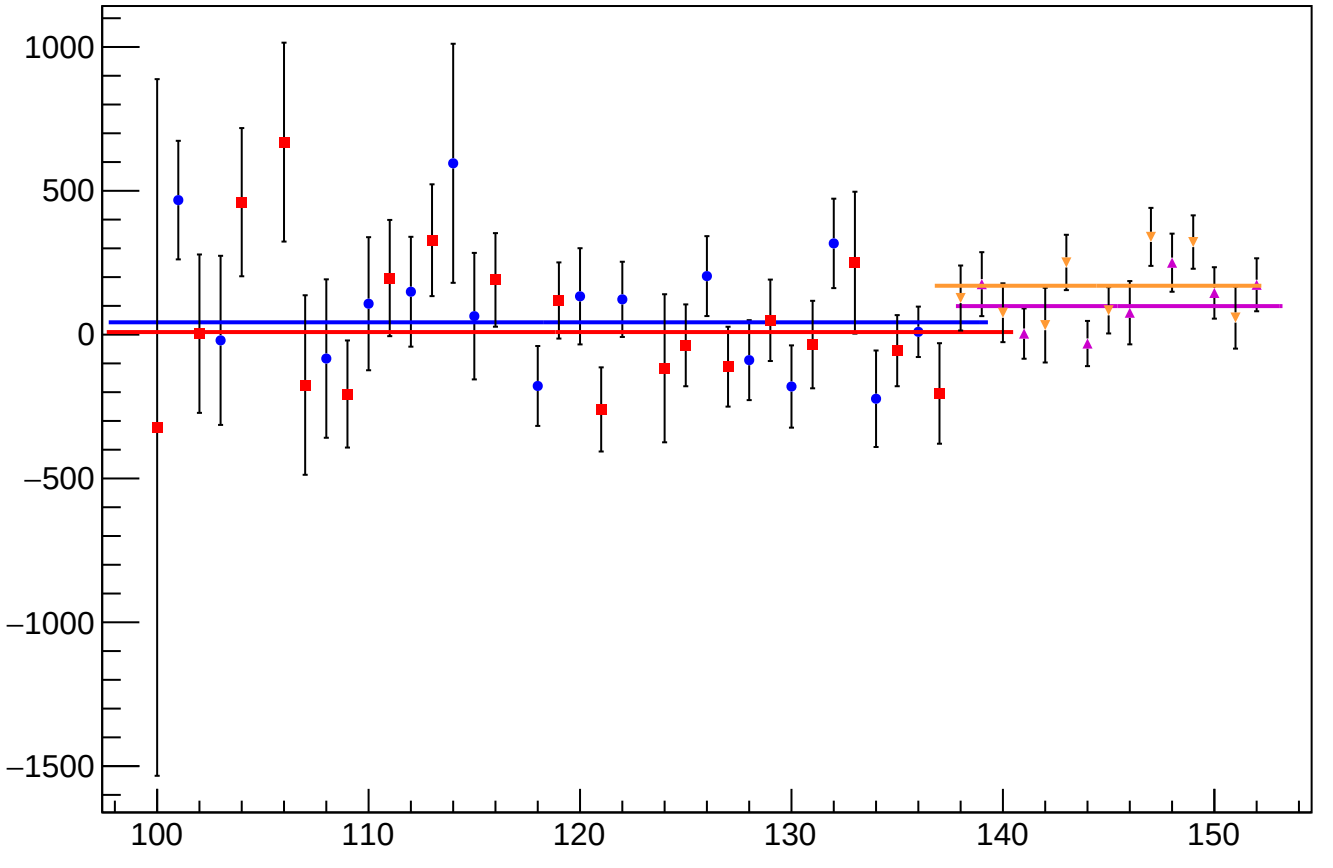
Left: 517.692+/-0.110 χ^2/NDF: 1995178.1/14

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 642.133+/-0.140 χ^2/NDF:5138590.0/22

Out: 645.494+/-0.140 χ^2/NDF:5846322.0/26

All: 643.811+/-0.099 χ^2/NDF: 10985201.6/49



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: 99.229+/-35.415 χ^2/NDF:7.6/6

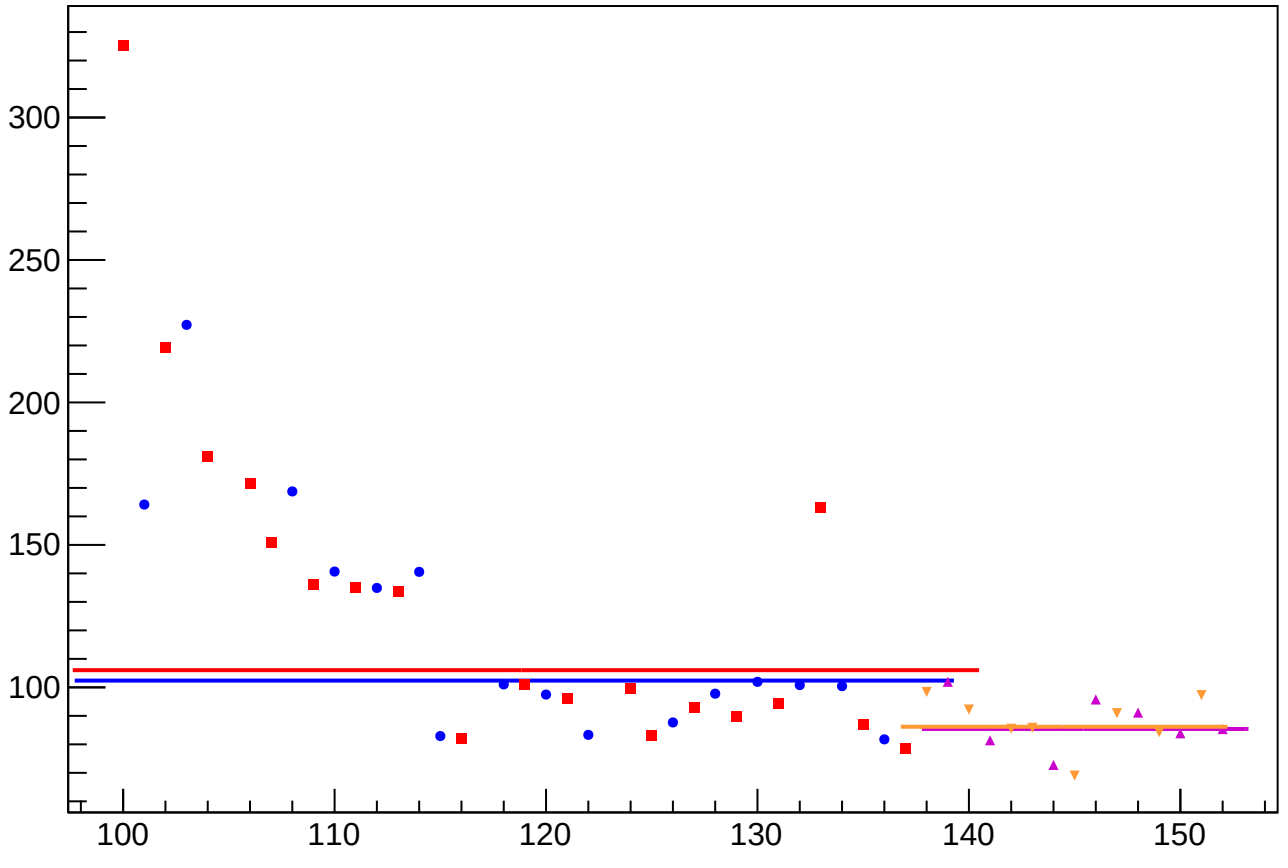
Left: 134.578+/-25.053 χ^2/NDF: 20.1/14

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 74.447+/-26.501 χ^2/NDF:29.0/22

Out: 101.237+/-26.831 χ^2/NDF:40.6/26

All: 87.676+/-18.855 χ^2/NDF: 70.2/49



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: 85.403+/-0.025 χ^2/NDF:124768.7/6

Left: 85.792+/-0.018 χ^2/NDF: 273102.1/14

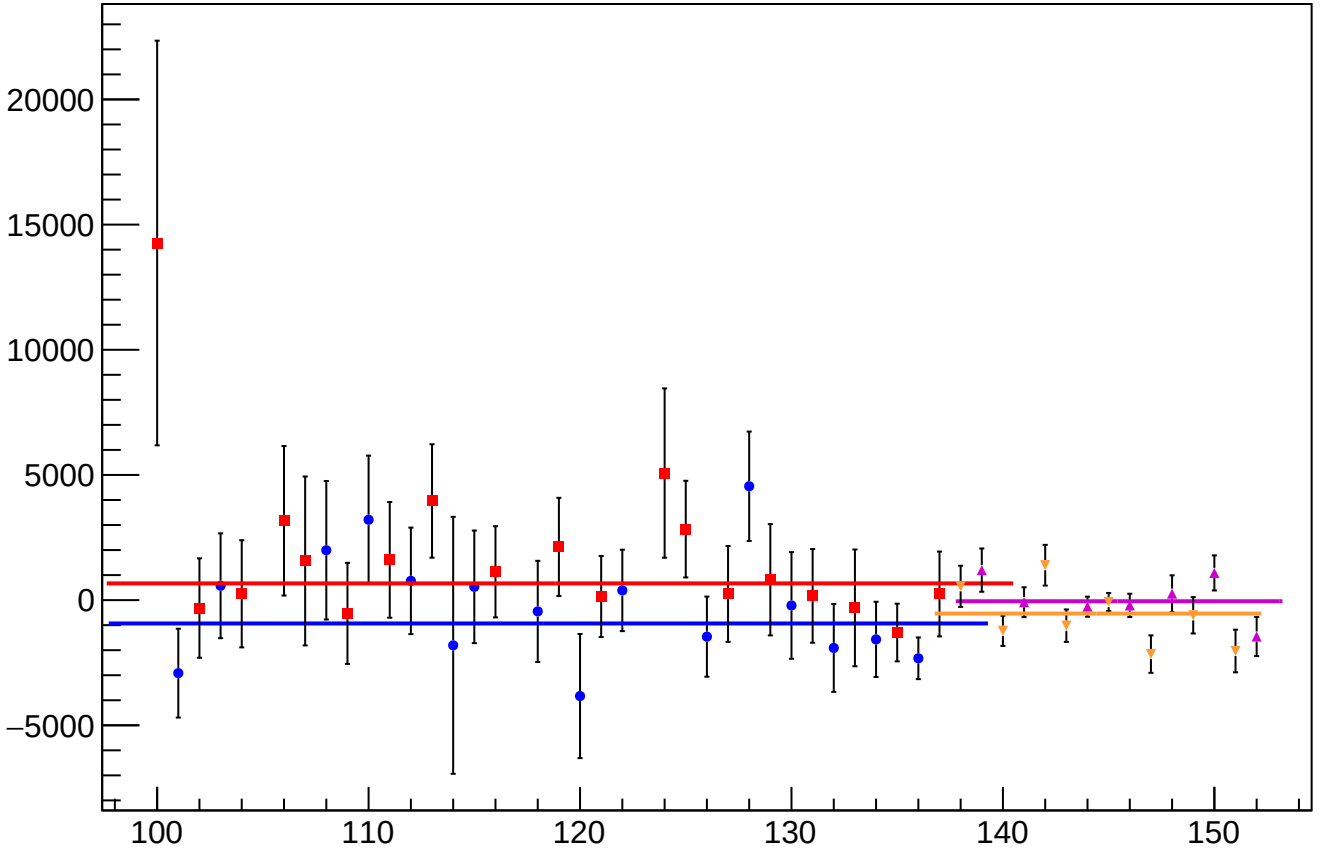
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 92.874+/-0.019 χ^2/NDF:1309276.6/22

Out: 94.658+/-0.019 χ^2/NDF:1606997.9/26

All: 93.755+/-0.013 χ^2/NDF: 2920753.6/49

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: -44.885+/-220.441 χ^2/NDF:8.5/6

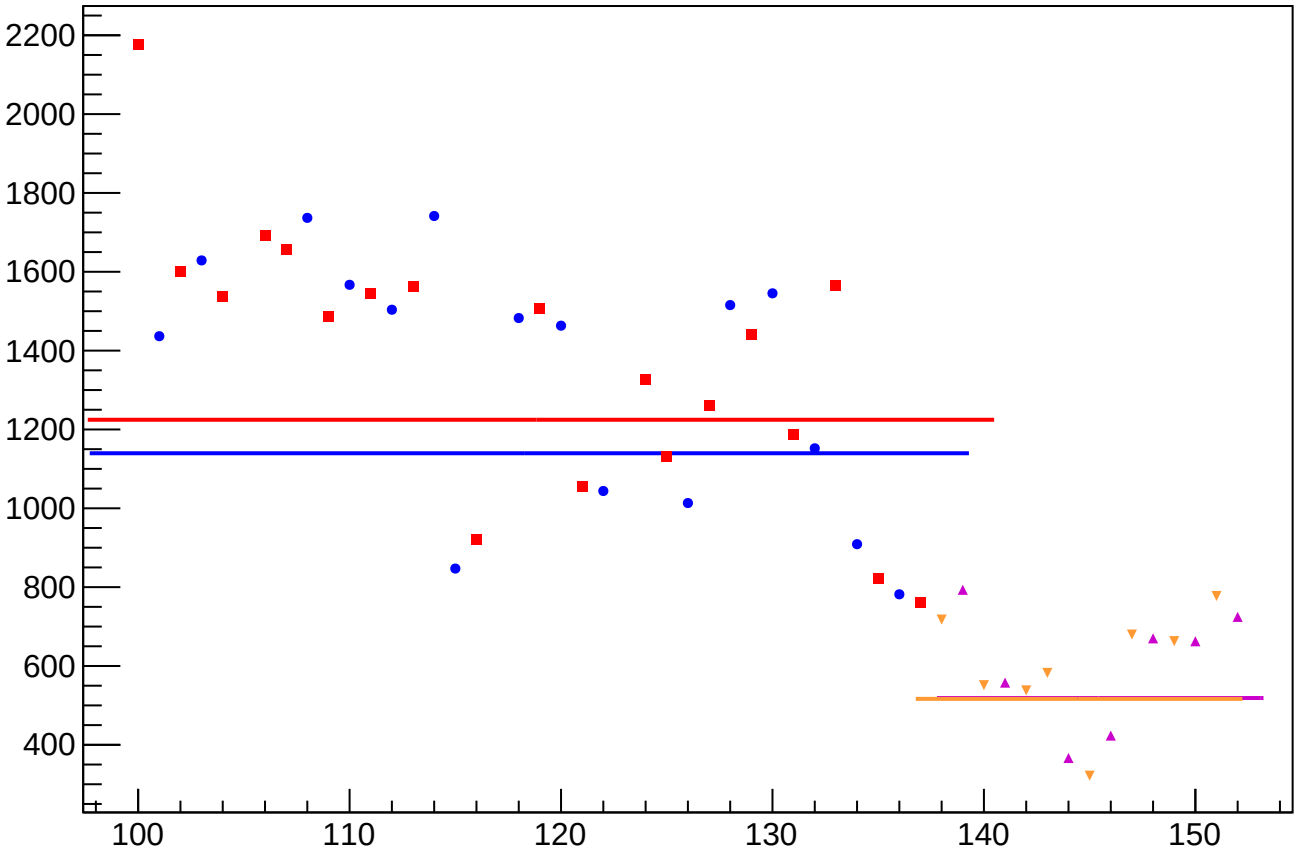
Left: -293.165+/-155.188 χ^2/NDF: 29.8/14

Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -221.202+/-197.332 χ^2/NDF:30.2/22

Out: -317.661+/-197.625 χ^2/NDF:37.7/26

All: -269.360+/-139.638 χ^2/NDF: 68.1/49



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: 518.784+/-0.156 χ^2/NDF:893225.3/6

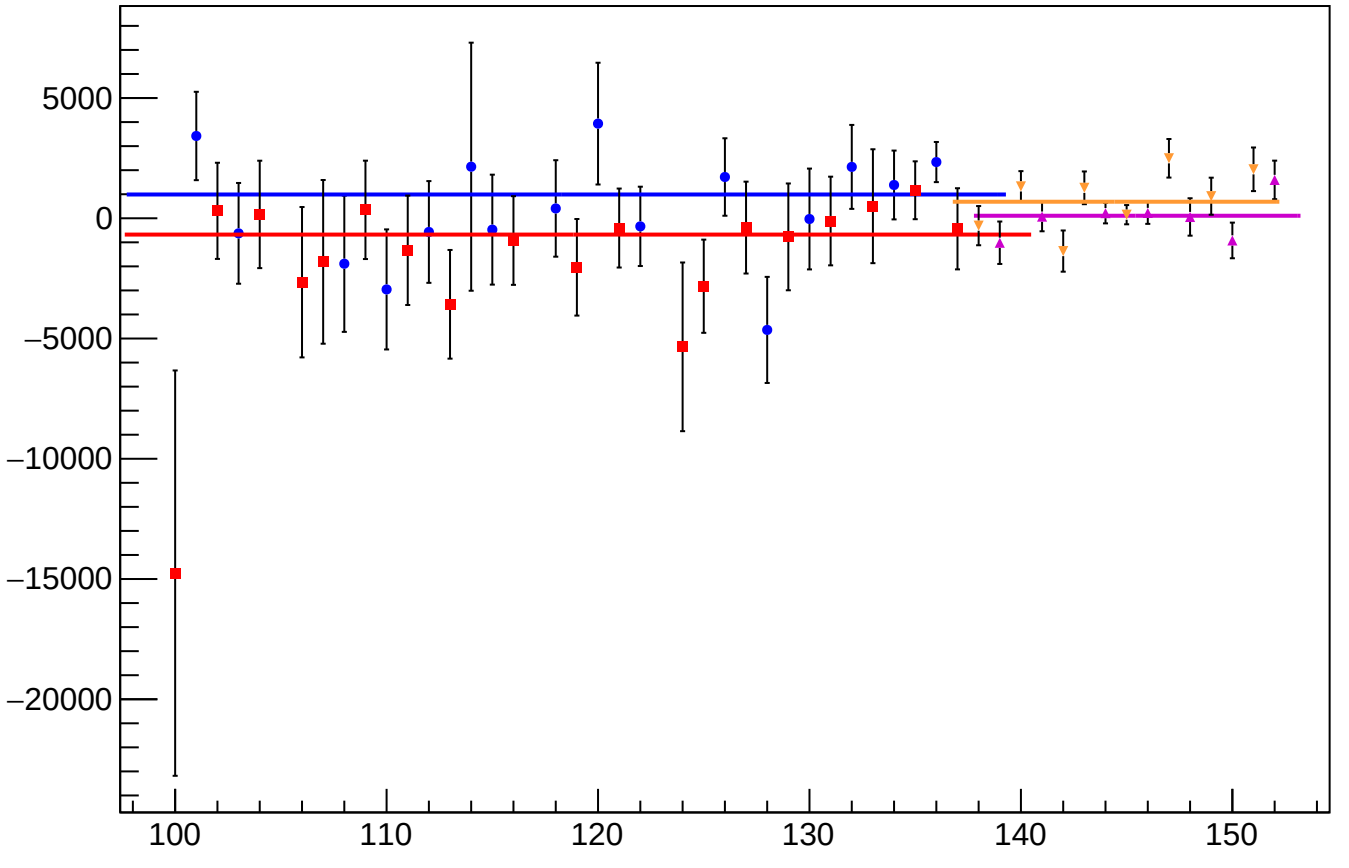
Left: 517.691+/-0.110 χ^2/NDF: 1995194.7/14

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 642.132+/-0.140 χ^2/NDF:5138585.8/22

Out: 645.492+/-0.140 χ^2/NDF:5846336.4/26

All: 643.810+/-0.099 χ^2/NDF: 10985211.7/49



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: 105.215+/-227.463 χ^2/NDF:7.1/6

Left: 388.197+/-163.197 χ^2/NDF: 28.5/14

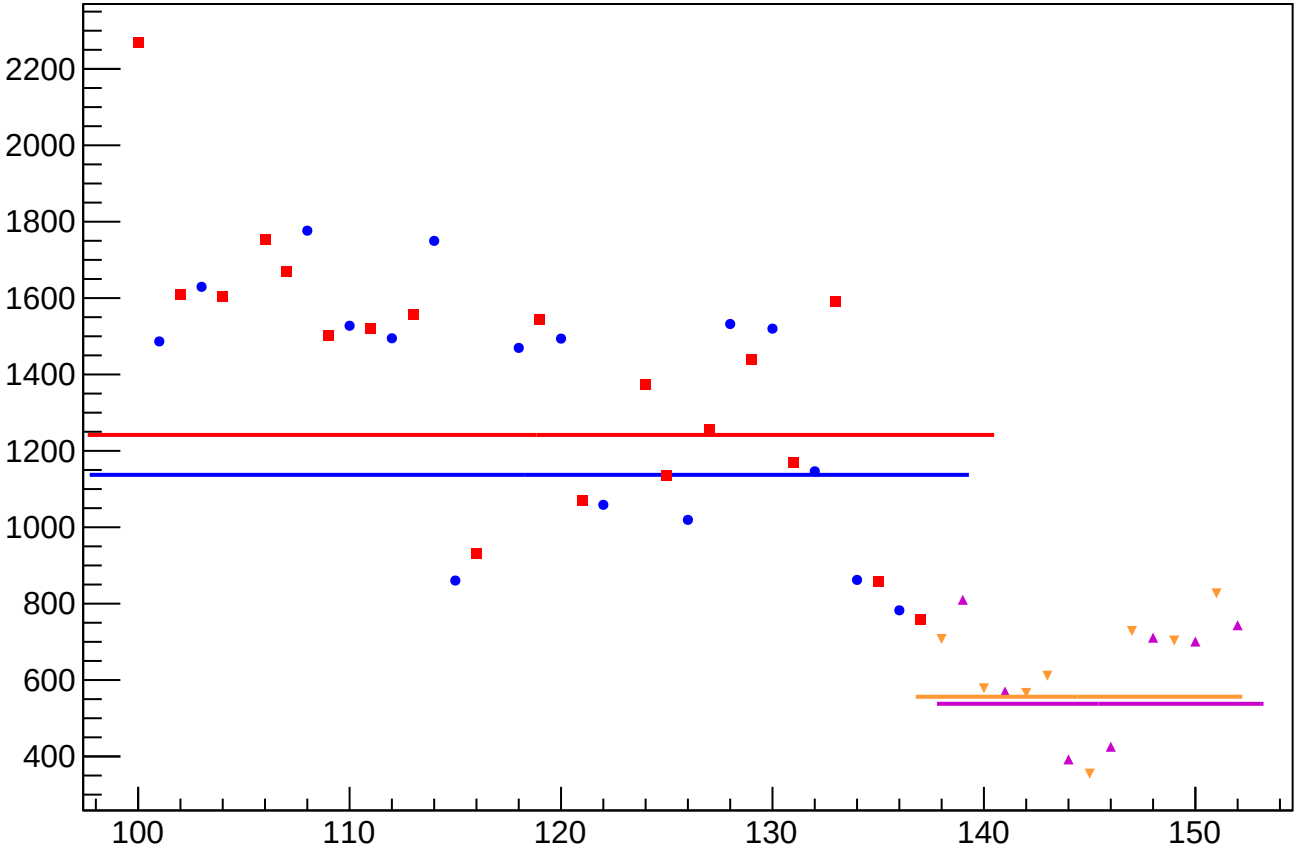
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 289.913+/-202.313 χ^2/NDF:29.3/22

Out: 416.207+/-209.644 χ^2/NDF:36.8/26

All: 350.813+/-145.579 χ^2/NDF: 66.4/49

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: 537.778+/-0.161 χ^2/NDF:878236.1/6

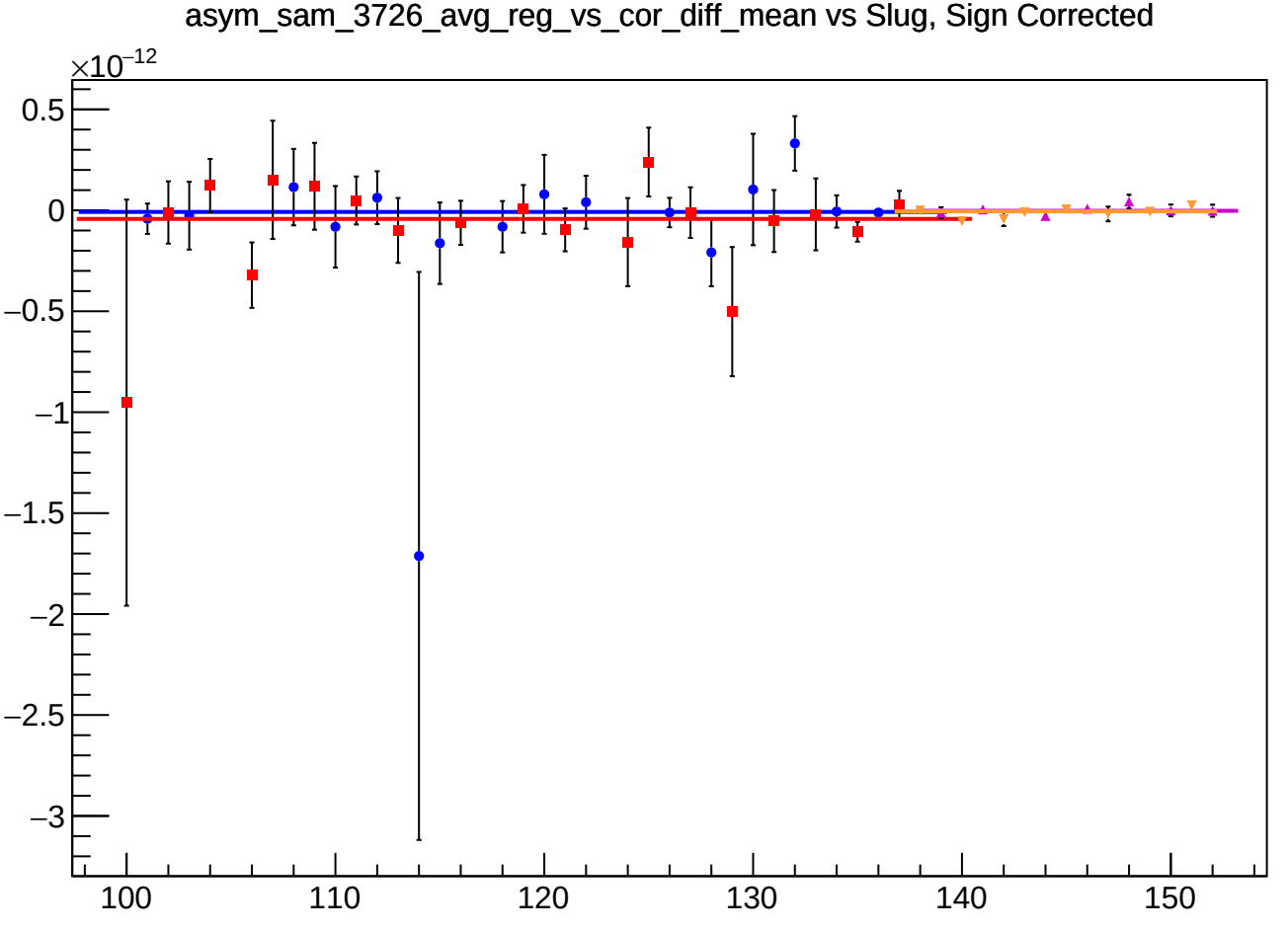
Left: 546.738+/-0.115 χ^2/NDF: 1819767.6/14

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 663.006+/-0.143 χ^2/NDF:4903677.1/22

Out: 692.826+/-0.148 χ^2/NDF:5246039.8/26

All: 677.386+/-0.103 χ^2/NDF: 10170669.3/49



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:4.9/6

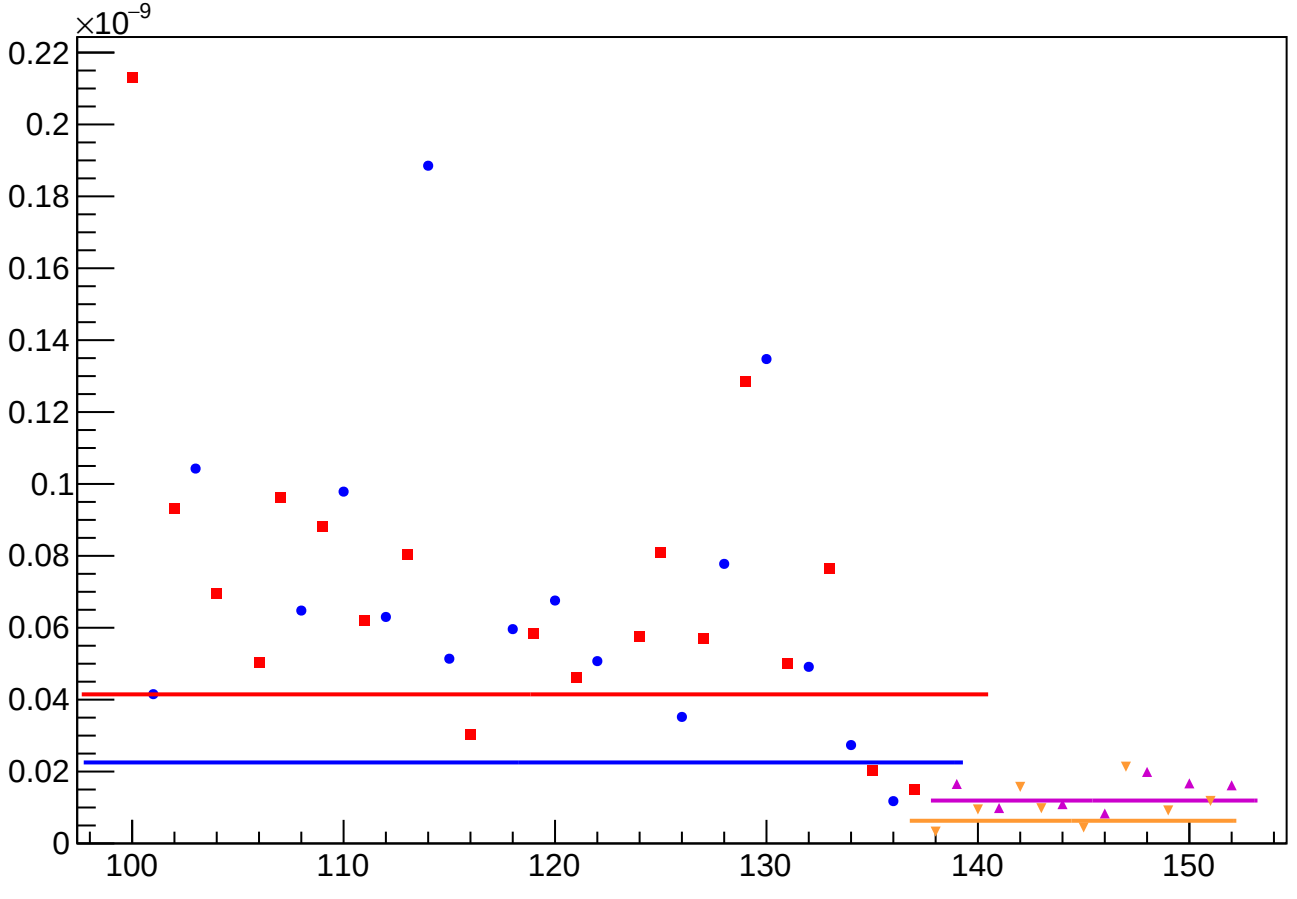
Left: -0.000+/-0.000 χ^2/NDF: 16.6/14

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:16.7/22

Out: -0.000+/-0.000 χ^2/NDF:29.0/26

All: -0.000+/-0.000 χ^2/NDF: 45.8/49



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:400972.2/6

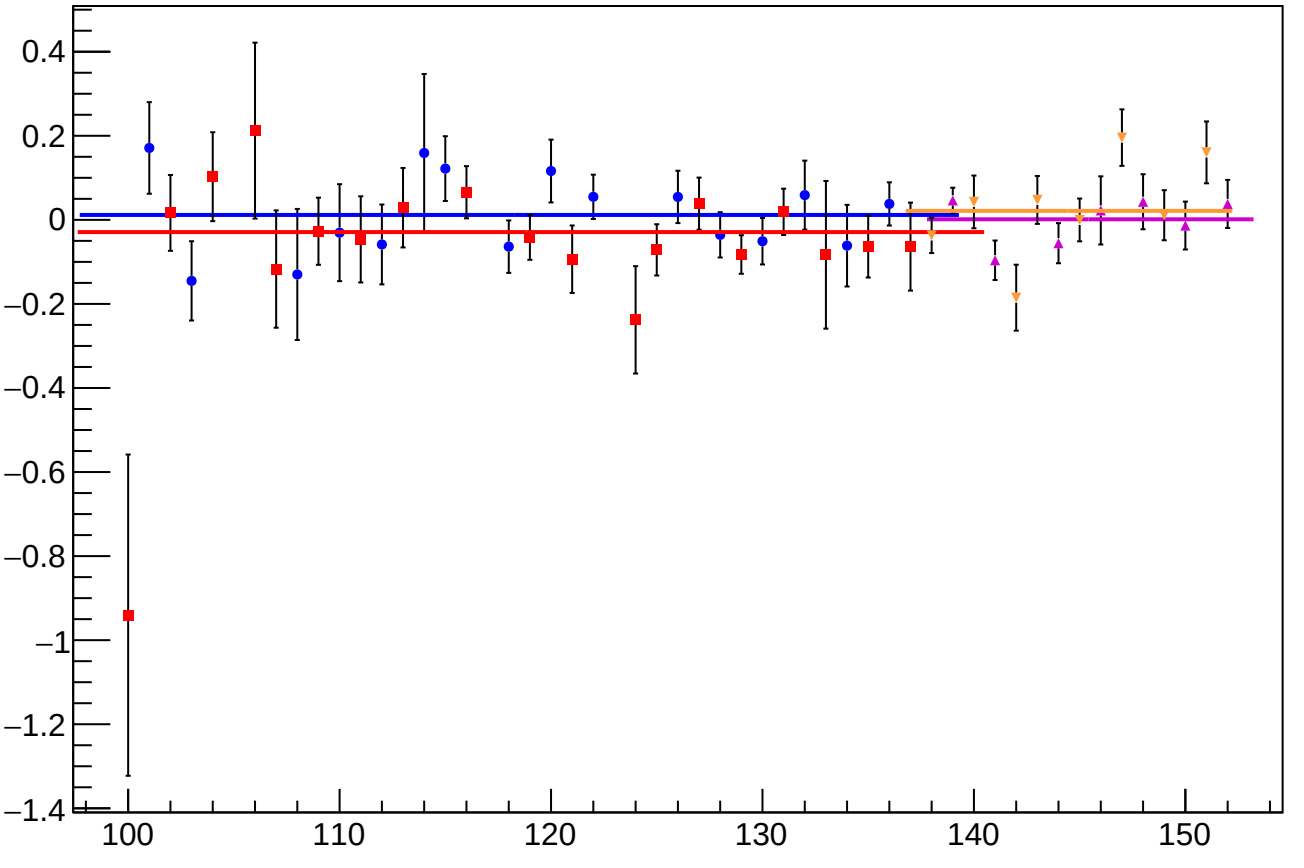
Left: 0.000+/-0.000 χ^2/NDF: 2077698.4/14

Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:3863517.7/22

Out: 0.000+/-0.000 χ^2/NDF:6117396.3/26

All: 0.000+/-0.000 χ^2/NDF: 10891497.1/49



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: 0.001+/-0.018 χ^2/NDF:8.9/6

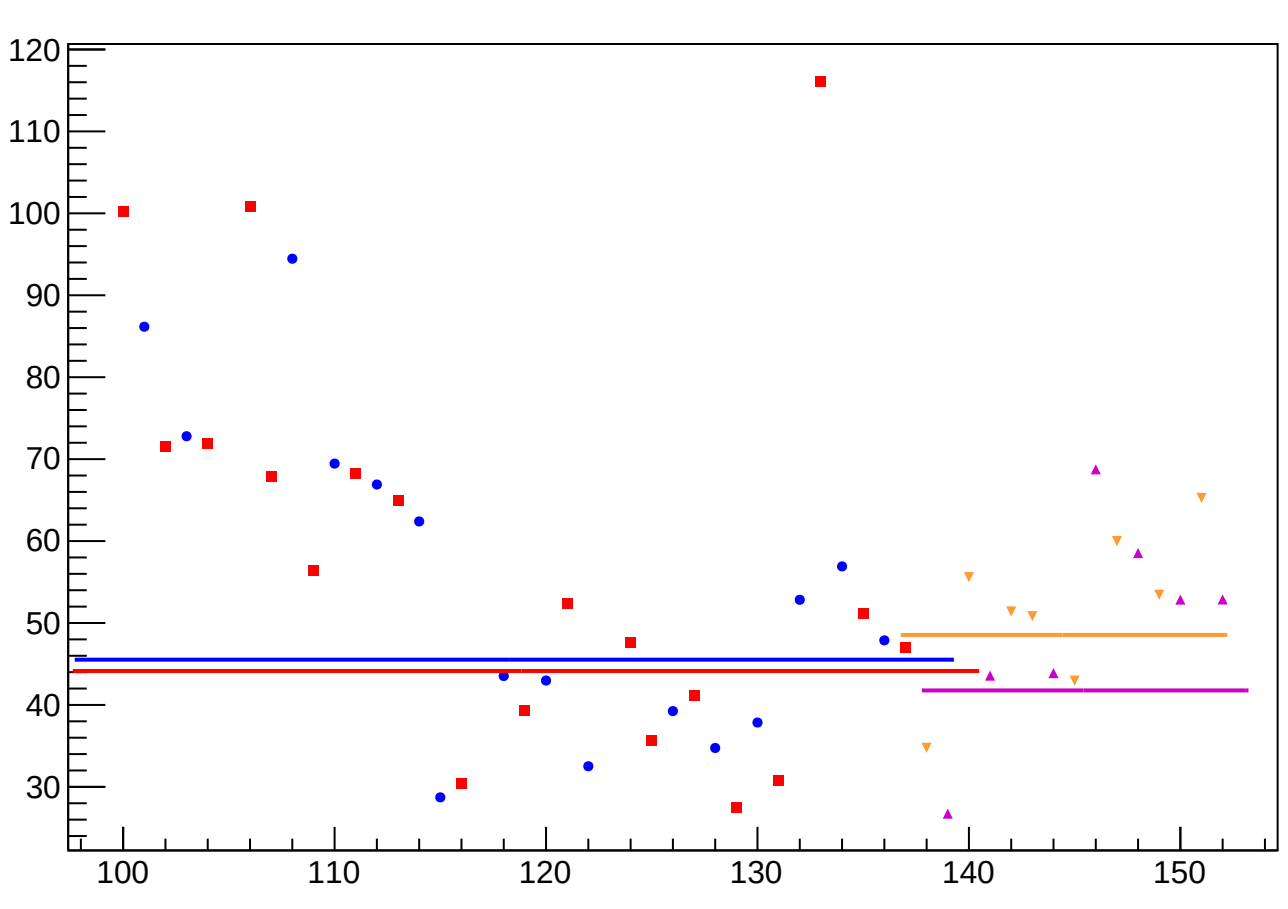
Left: 0.010+/-0.014 χ^2/NDF: 29.1/14

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.013 χ^2/NDF:25.9/22

Out: -0.007+/-0.013 χ^2/NDF:42.6/26

All: -0.000+/-0.009 χ^2/NDF: 69.1/49



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: 41.770+/-0.013 χ^2/NDF:1009508.5/6

Left: 44.759+/-0.010 χ^2/NDF: 1575944.9/14

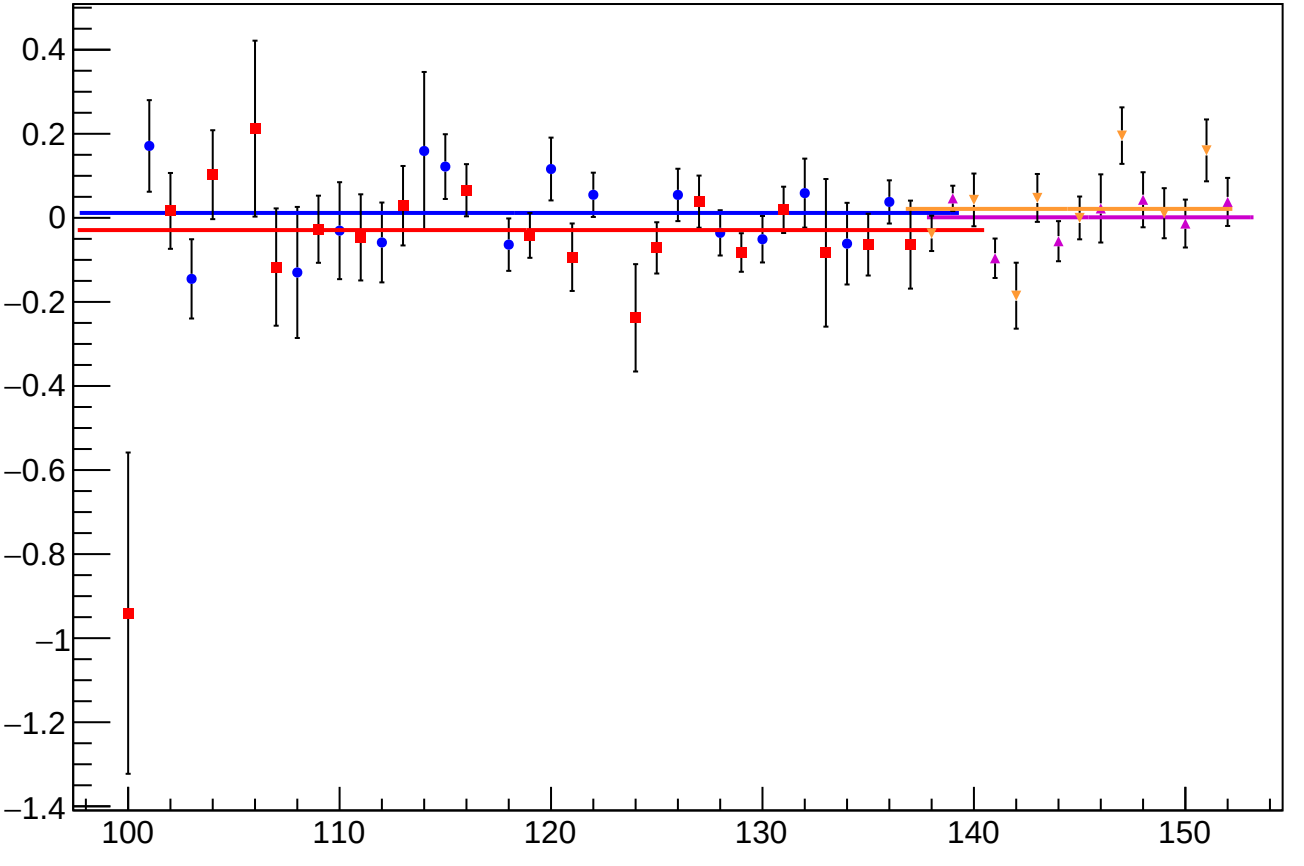
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 43.642+/-0.009 χ^2/NDF:2305600.6/22

Out: 46.038+/-0.010 χ^2/NDF:2240771.9/26

All: 44.789+/-0.007 χ^2/NDF: 4579206.1/49

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.021+/-0.021 χ^2/NDF:19.7/7

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.018 χ^2/NDF:8.9/6

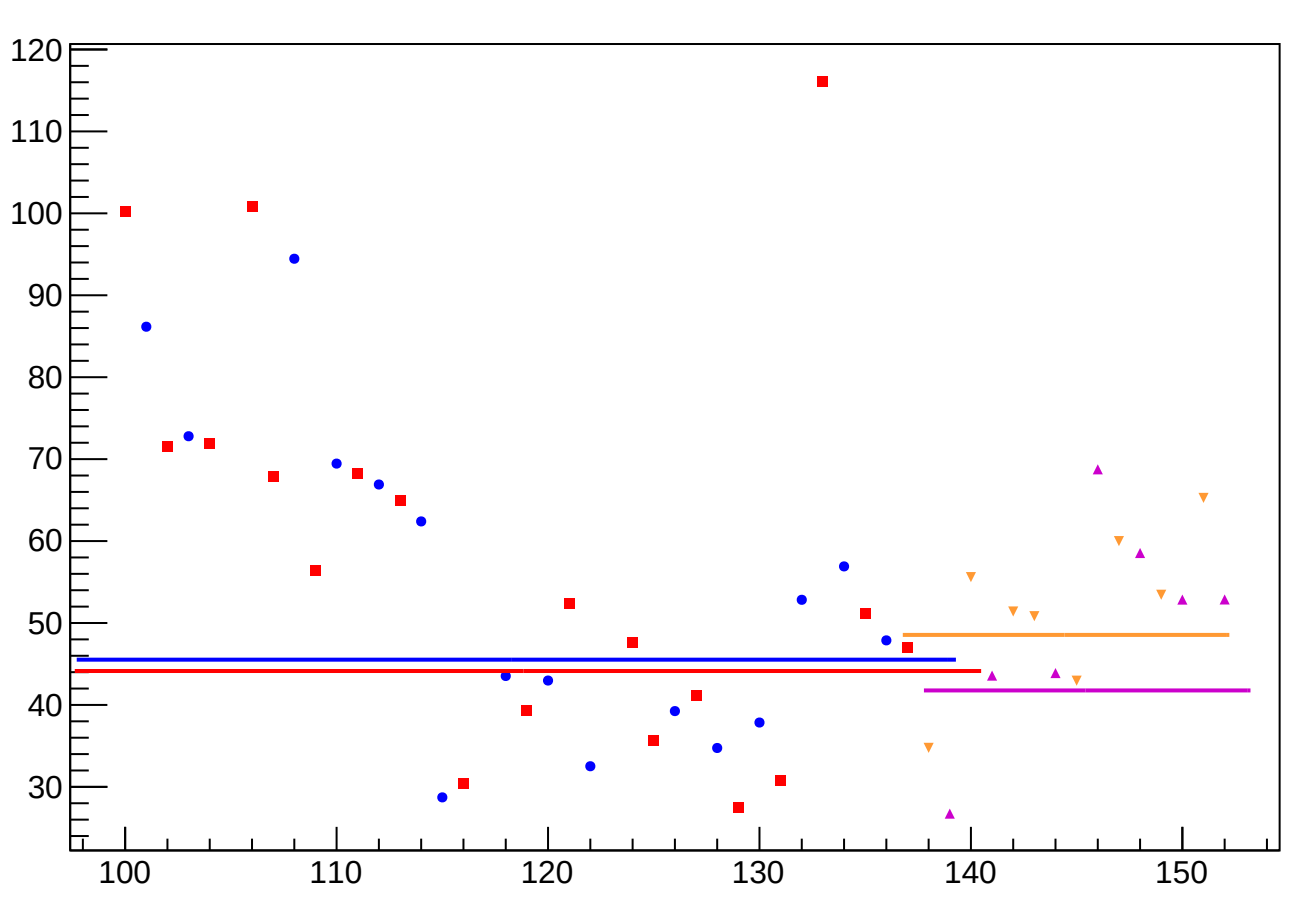
Left: 0.010+/-0.014 χ^2/NDF: 29.1/14

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.013 χ^2/NDF:25.9/22

Out: -0.007+/-0.013 χ^2/NDF:42.6/26

All: -0.000+/-0.009 χ^2/NDF: 69.1/49



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: 41.770+/-0.013 χ^2/NDF:1009508.5/6

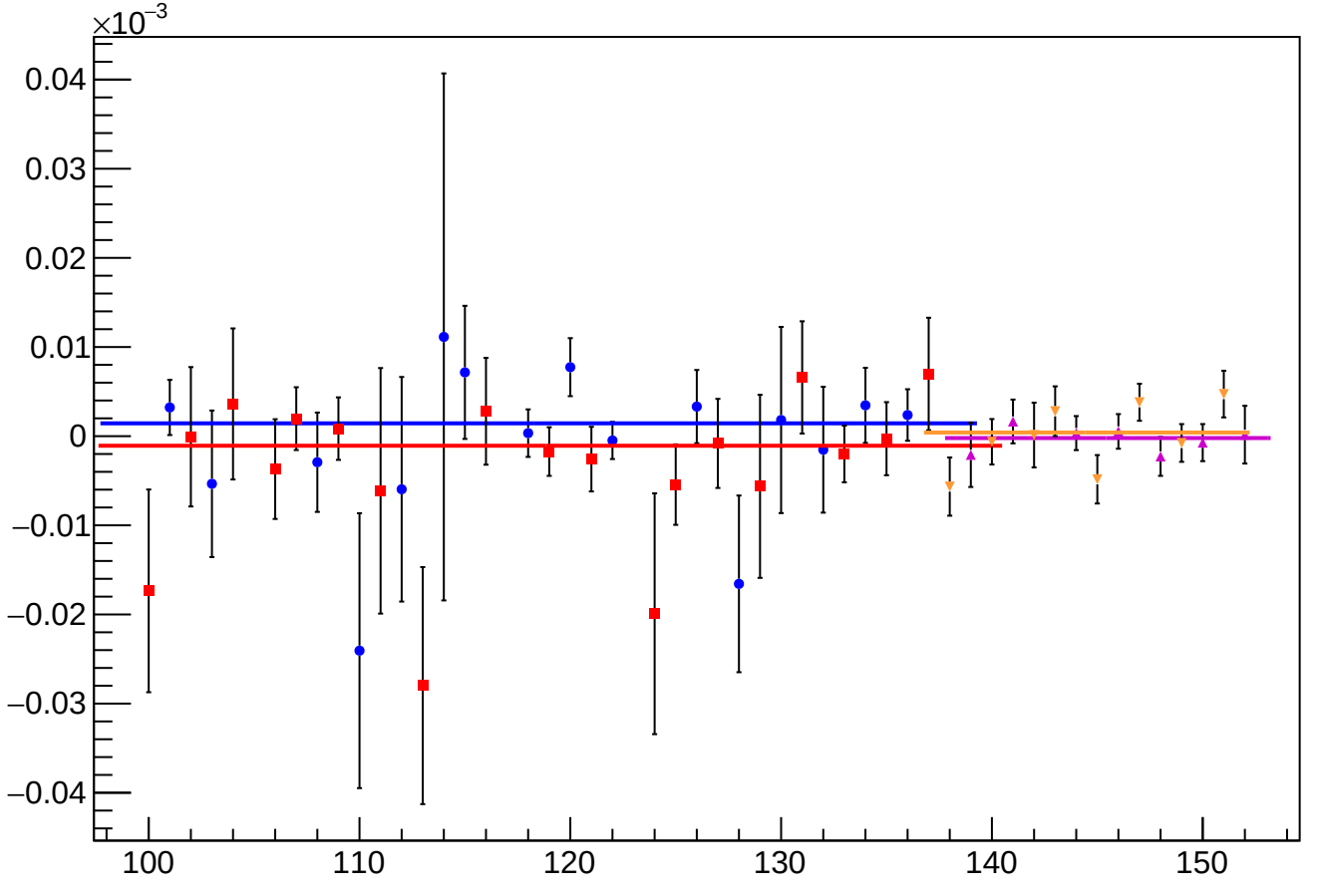
Left: 44.759+/-0.010 χ^2/NDF: 1575944.9/14

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 43.642+/-0.009 χ^2/NDF:2305600.6/22

Out: 46.038+/-0.010 χ^2/NDF:2240771.9/26

All: 44.789+/-0.007 χ^2/NDF: 4579206.1/49



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:2.0/6

Left: 0.000+/-0.000 χ^2/NDF: 16.1/14

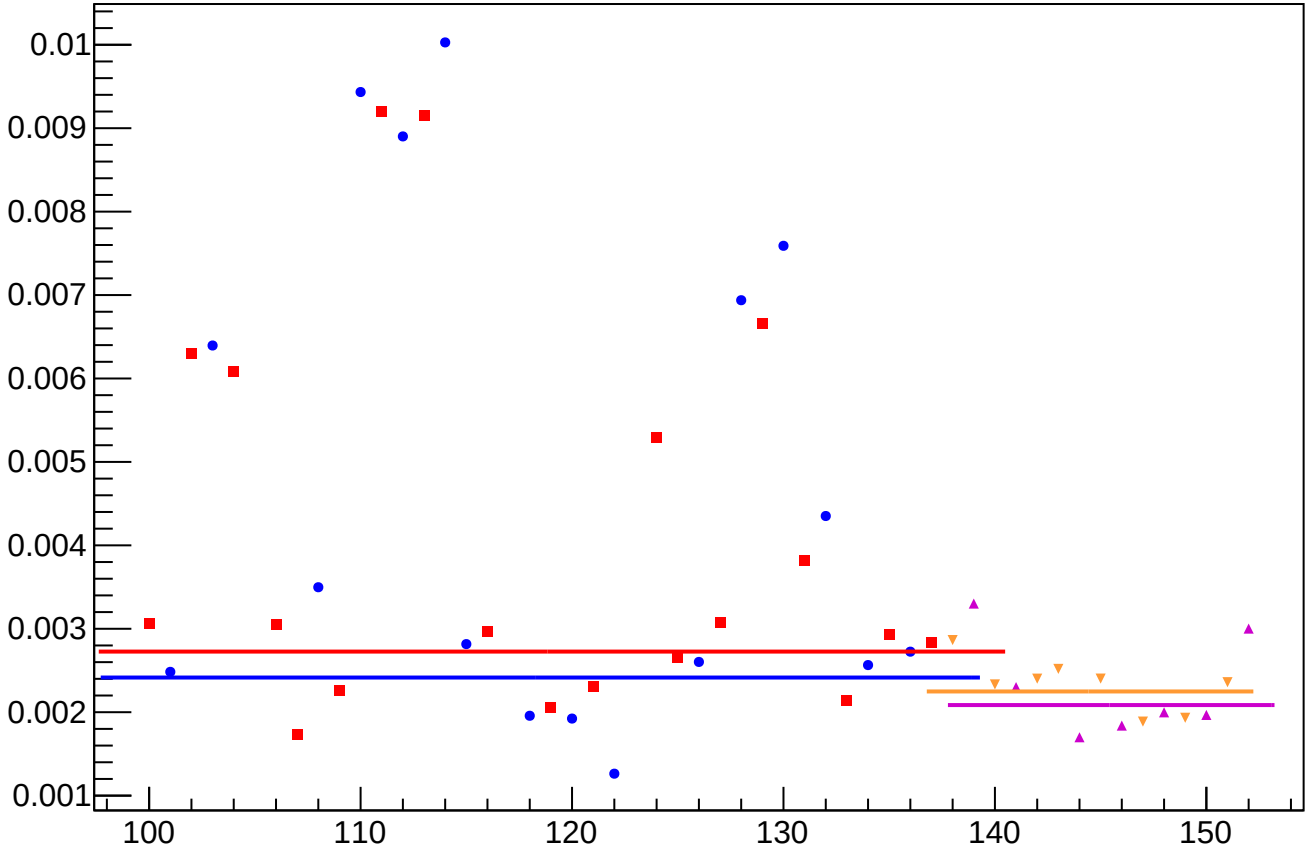
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:17.7/22

Out: -0.000+/-0.000 χ^2/NDF:29.6/26

All: 0.000+/-0.000 χ^2/NDF: 47.8/49

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:526330.1/6

Left: 0.002+/-0.000 χ^2/NDF: 770214.6/14

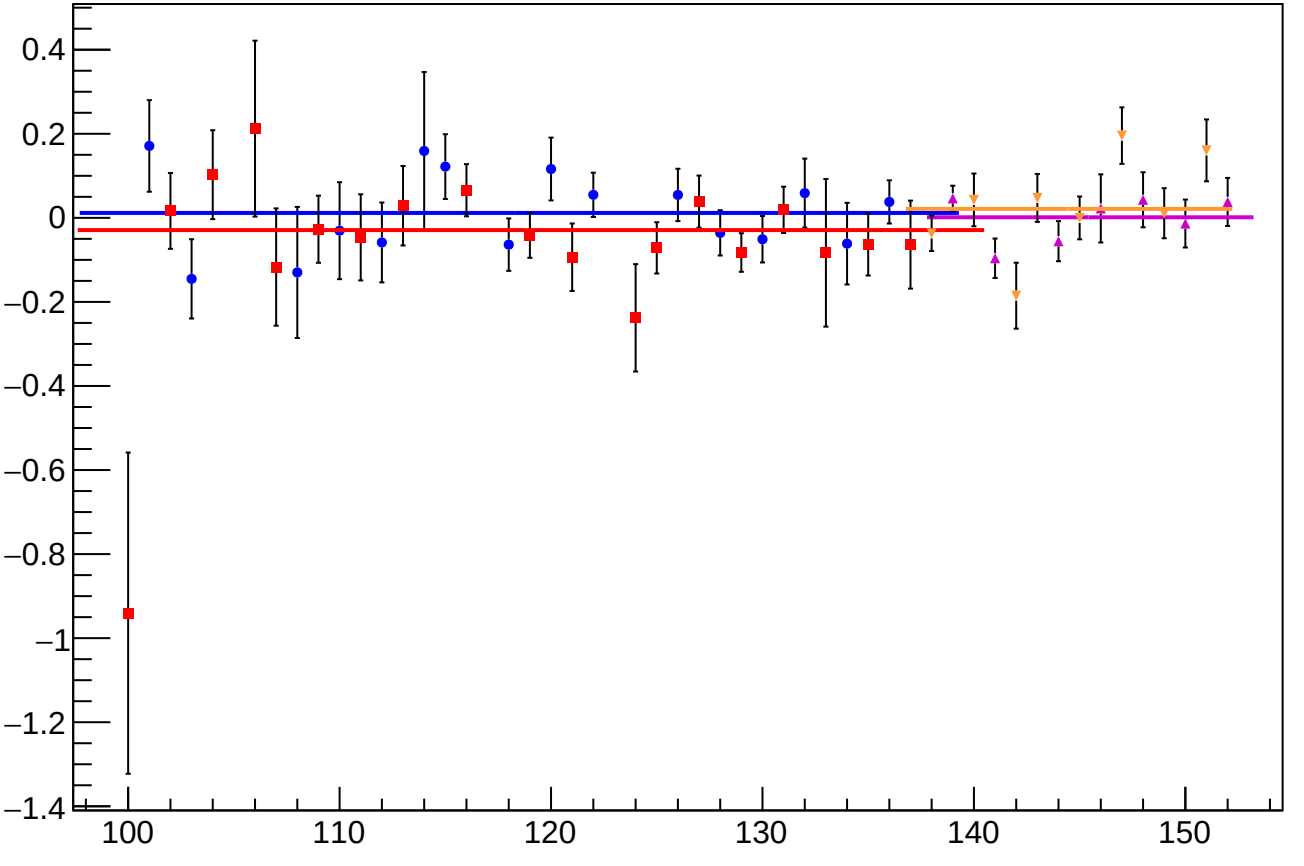
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4076526.3/22

Out: 0.002+/-0.000 χ^2/NDF:2933314.6/26

All: 0.002+/-0.000 χ^2/NDF: 7110565.0/49

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.021+/-0.021 χ^2/NDF:19.7/7

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.018 χ^2/NDF:8.9/6

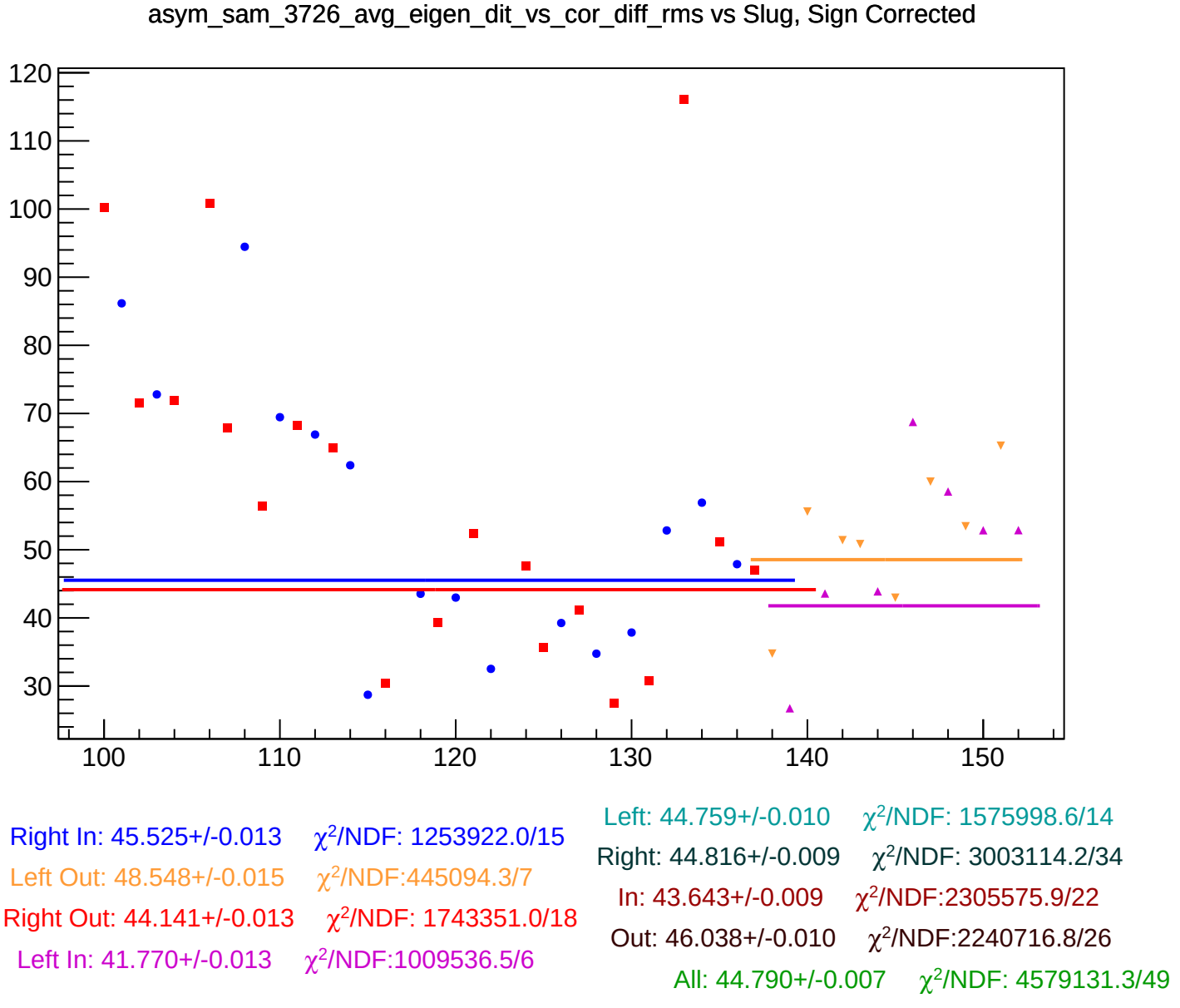
Left: 0.010+/-0.014 χ^2/NDF: 29.1/14

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

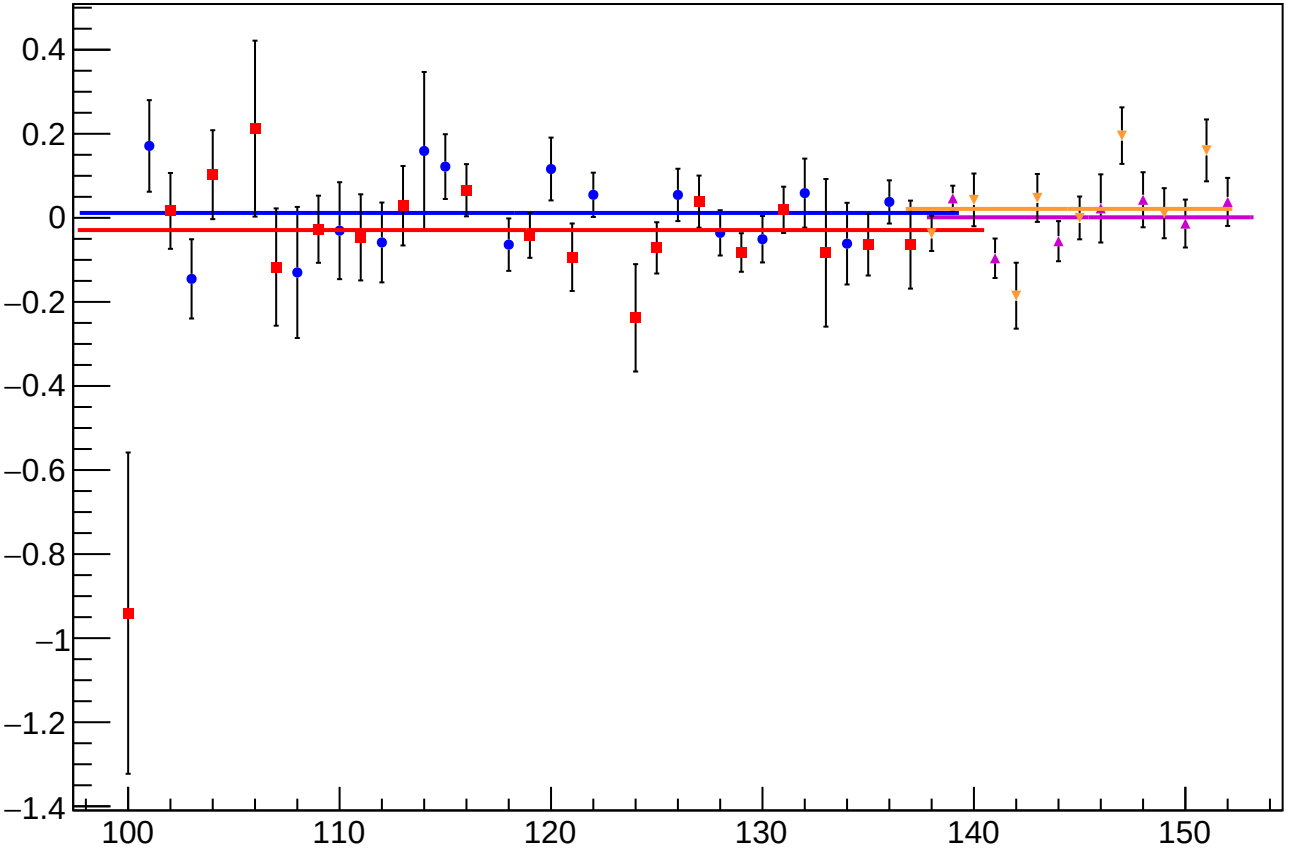
In: 0.006+/-0.013 χ^2/NDF:25.9/22

Out: -0.007+/-0.013 χ^2/NDF:42.7/26

All: -0.000+/-0.009 χ^2/NDF: 69.1/49


asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
30
100
110
120
130
140
150
Right In: 45.525+/-0.013 χ2/NDF: 1253922.0/15
Left Out: 48.548+/-0.015 χ2/NDF:445094.3/7
Right Out: 44.141+/-0.013 χ2/NDF: 1743351.0/18
Left In: 41.770+/-0.013 χ2/NDF:1009536.5/6
Left: 44.759+/-0.010 χ2/NDF: 1575998.6/14
Right: 44.816+/-0.009 χ2/NDF: 3003114.2/34
In: 43.643+/-0.009 χ2/NDF:2305575.9/22
Out: 46.038+/-0.010 χ2/NDF:2240716.8/26
All: 44.790+/-0.007 χ2/NDF: 4579131.3/49

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: 0.001+/-0.018 χ^2/NDF:8.9/6

Left: 0.010+/-0.014 χ^2/NDF: 29.1/14

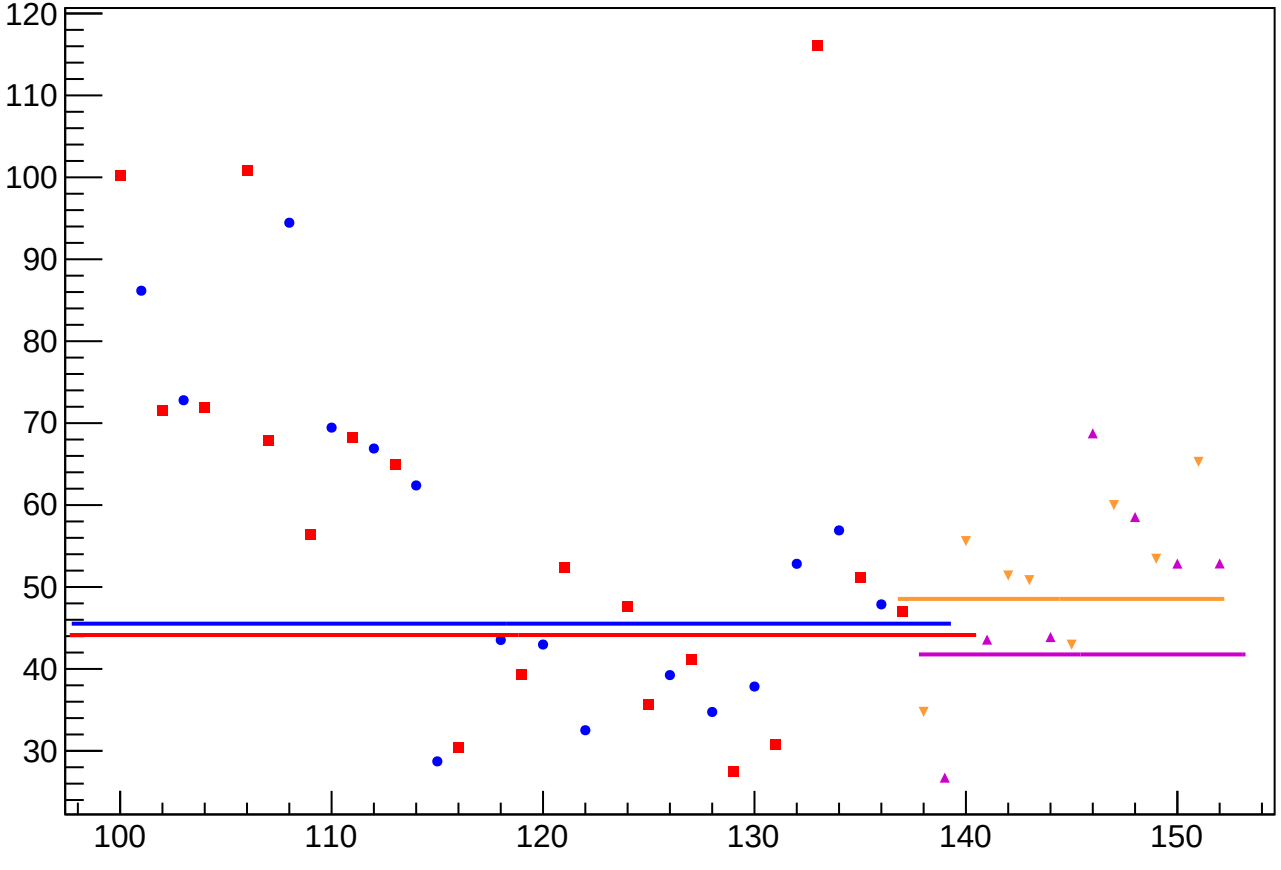
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.013 χ^2/NDF:25.9/22

Out: -0.007+/-0.013 χ^2/NDF:42.7/26

All: -0.000+/-0.009 χ^2/NDF: 69.1/49

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: 41.770+/-0.013 χ^2/NDF:1009536.5/6

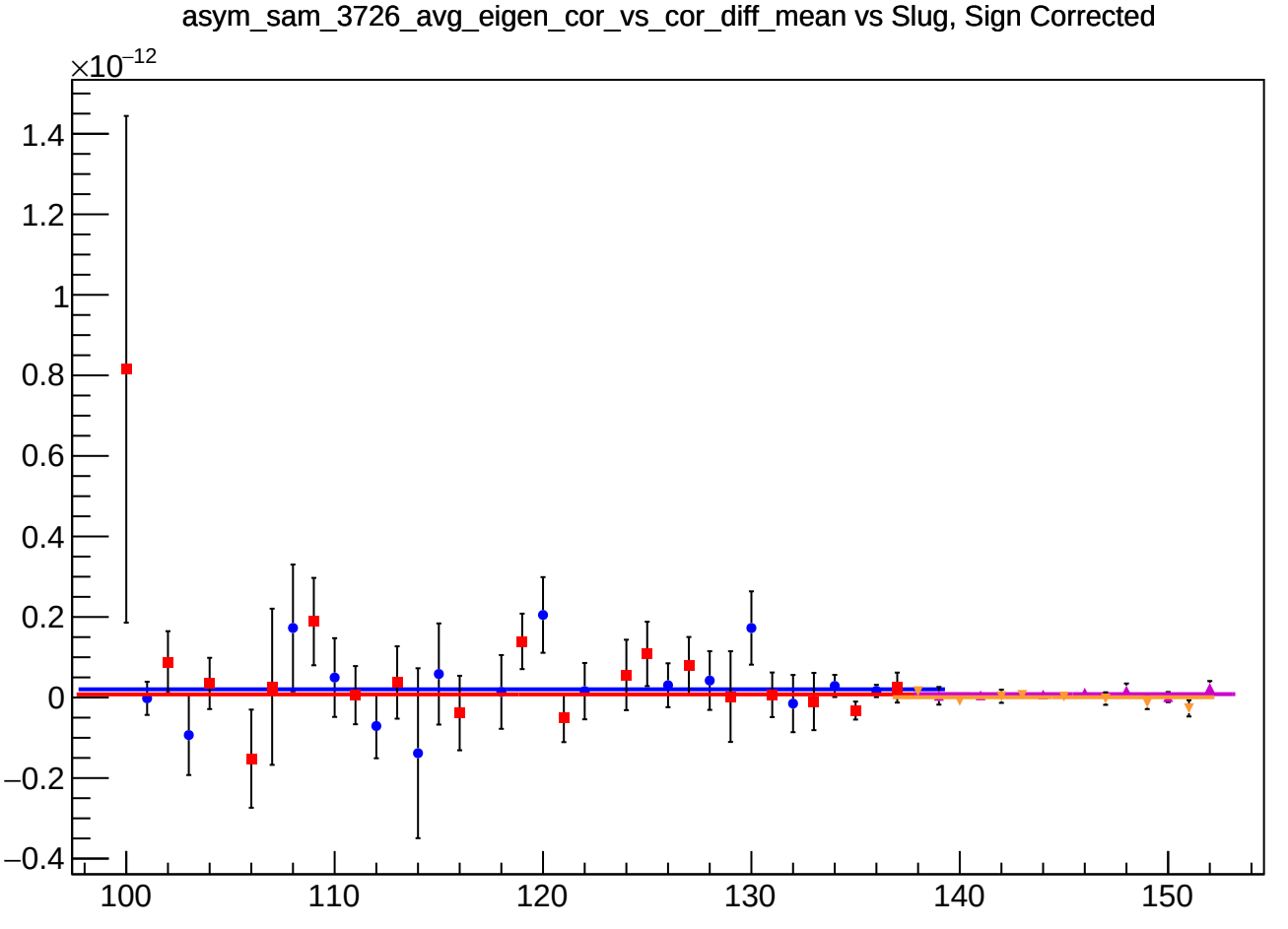
Left: 44.759+/-0.010 χ^2/NDF: 1575998.6/14

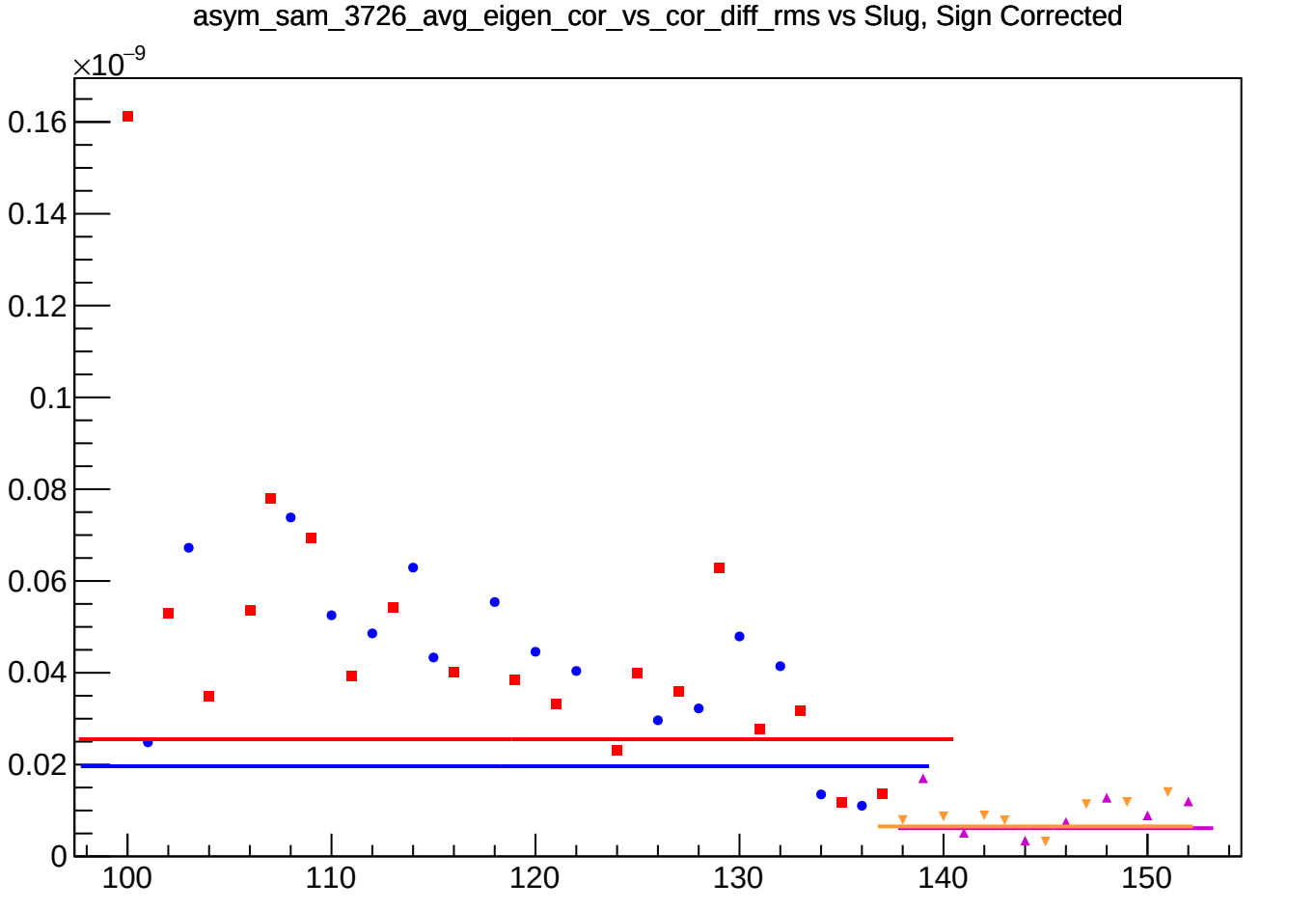
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 43.643+/-0.009 χ^2/NDF:2305575.9/22

Out: 46.038+/-0.010 χ^2/NDF:2240716.8/26

All: 44.790+/-0.007 χ^2/NDF: 4579131.3/49


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:5.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/18
Left In: 0.000+/-0.000 χ²/NDF:1.8/6
Left: 0.000+/-0.000 χ²/NDF: 9.0/14
Right: 0.000+/-0.000 χ²/NDF: 31.1/34
In: 0.000+/-0.000 χ²/NDF:14.6/22
Out: 0.000+/-0.000 χ²/NDF:24.1/26
All: 0.000+/-0.000 χ²/NDF: 41.5/49



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:1623440.9/6

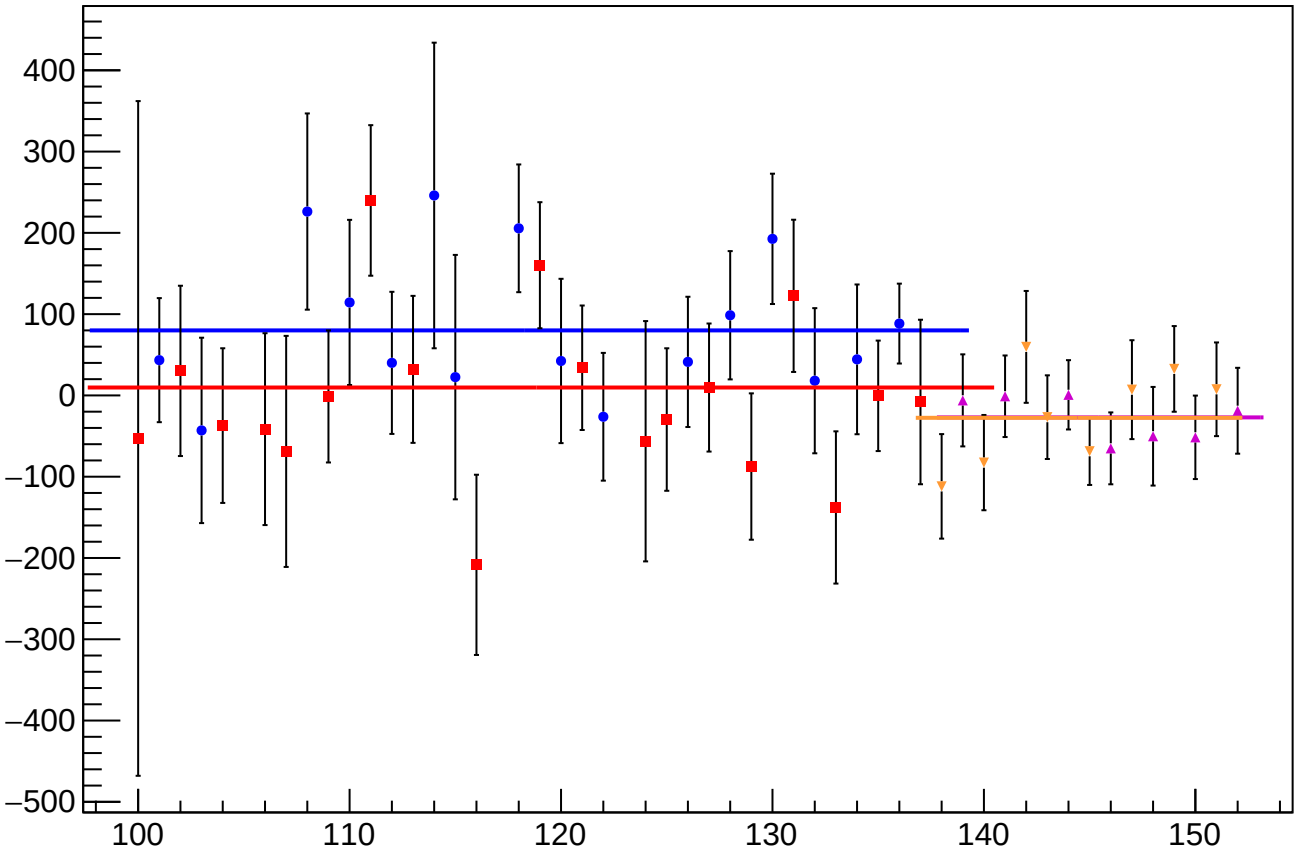
Left: 0.000+/-0.000 χ^2/NDF: 3198711.2/14

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7478639.2/22

Out: 0.000+/-0.000 χ^2/NDF:7837906.2/26

All: 0.000+/-0.000 χ^2/NDF: 15326081.6/49



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: -27.039+/-18.966 χ^2/NDF:2.0/6

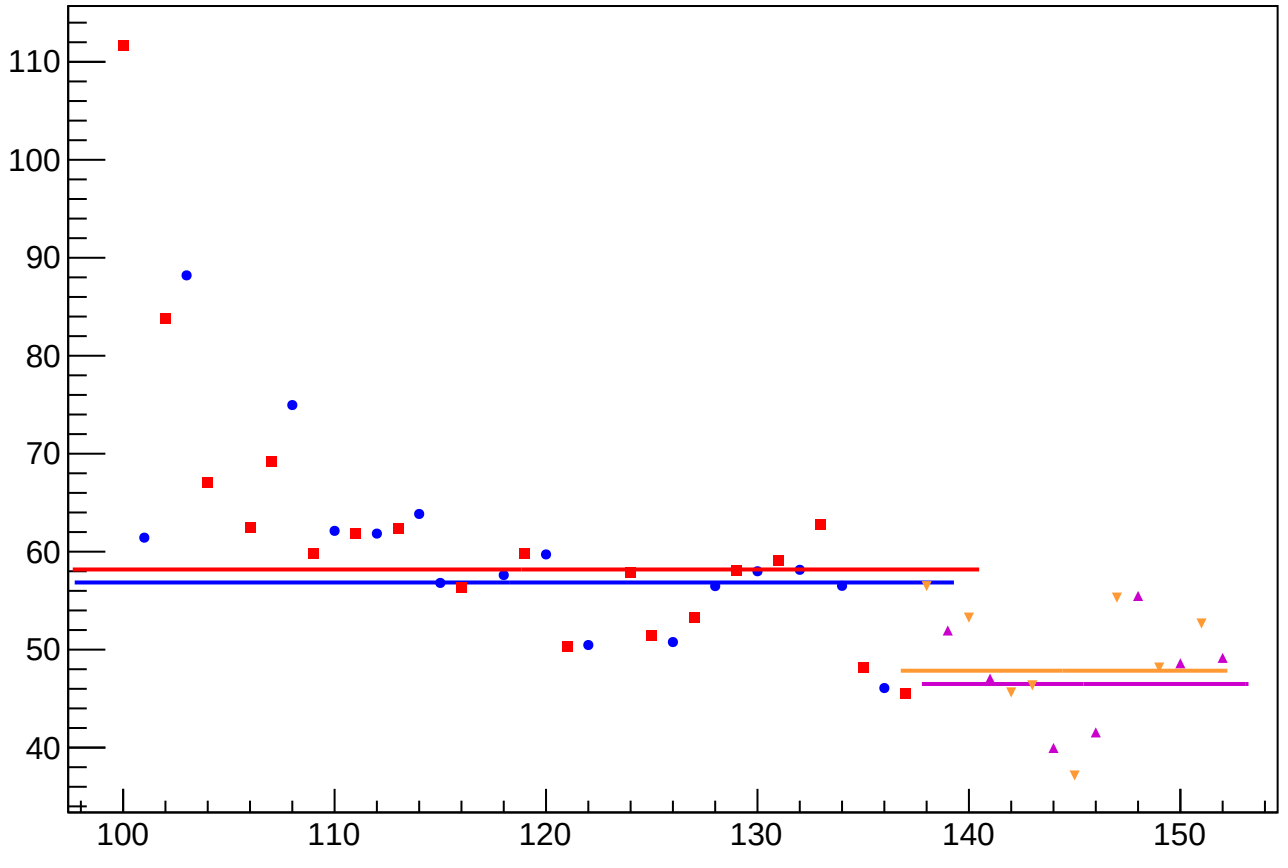
Left: -27.289+/-13.591 χ^2/NDF: 9.2/14

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 19.865+/-14.216 χ^2/NDF:27.5/22

Out: -10.841+/-14.473 χ^2/NDF:29.2/26

All: 4.788+/-10.142 χ^2/NDF: 58.9/49



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: 46.494+/-0.013 χ^2/NDF:143081.5/6

Left: 47.154+/-0.010 χ^2/NDF: 382069.2/14

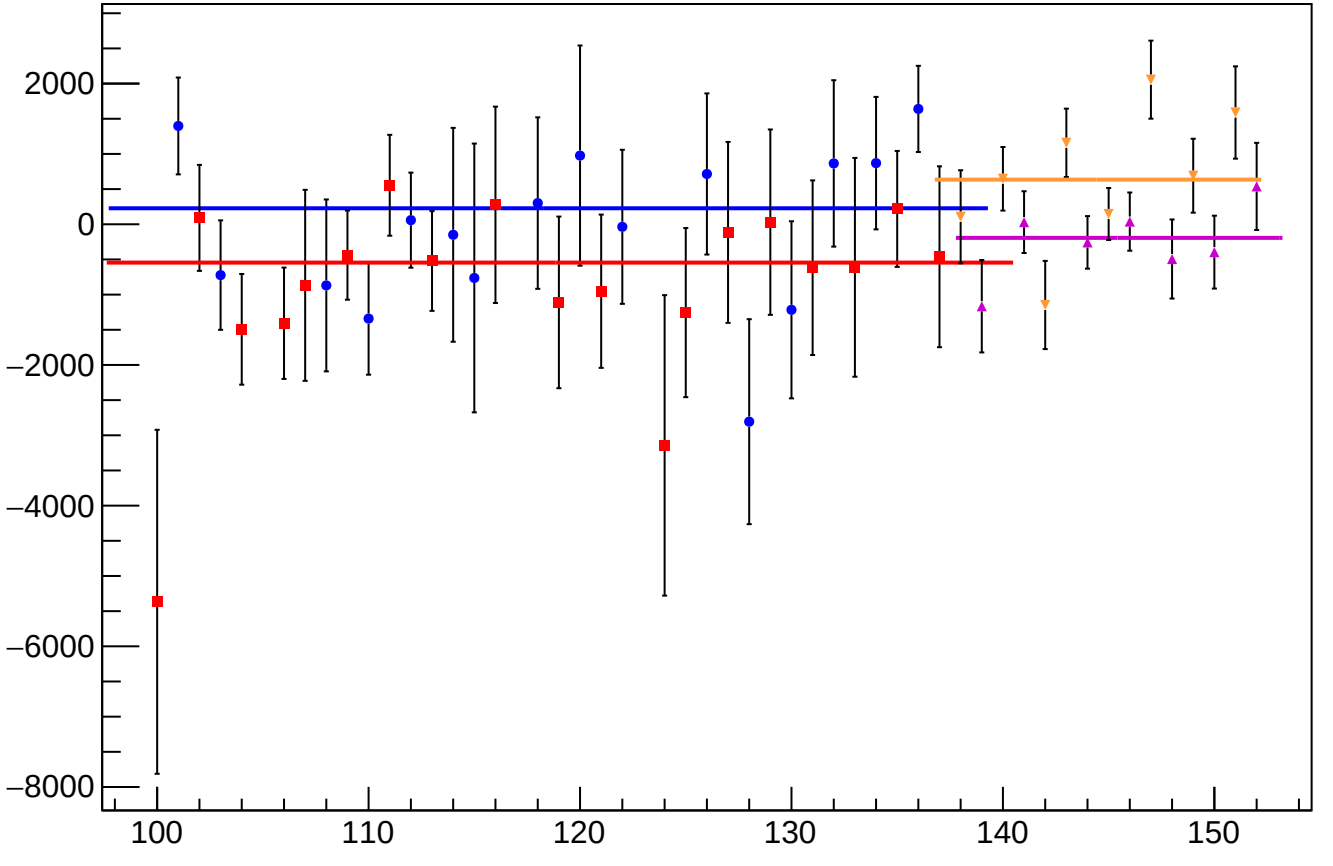
Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 51.034+/-0.010 χ^2/NDF:746195.4/22

Out: 52.481+/-0.010 χ^2/NDF:800738.1/26

All: 51.745+/-0.007 χ^2/NDF: 1557107.0/49

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



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: -193.305+/-182.549 χ^2/NDF:4.6/6

Left: 223.762+/-128.589 χ^2/NDF: 35.3/14

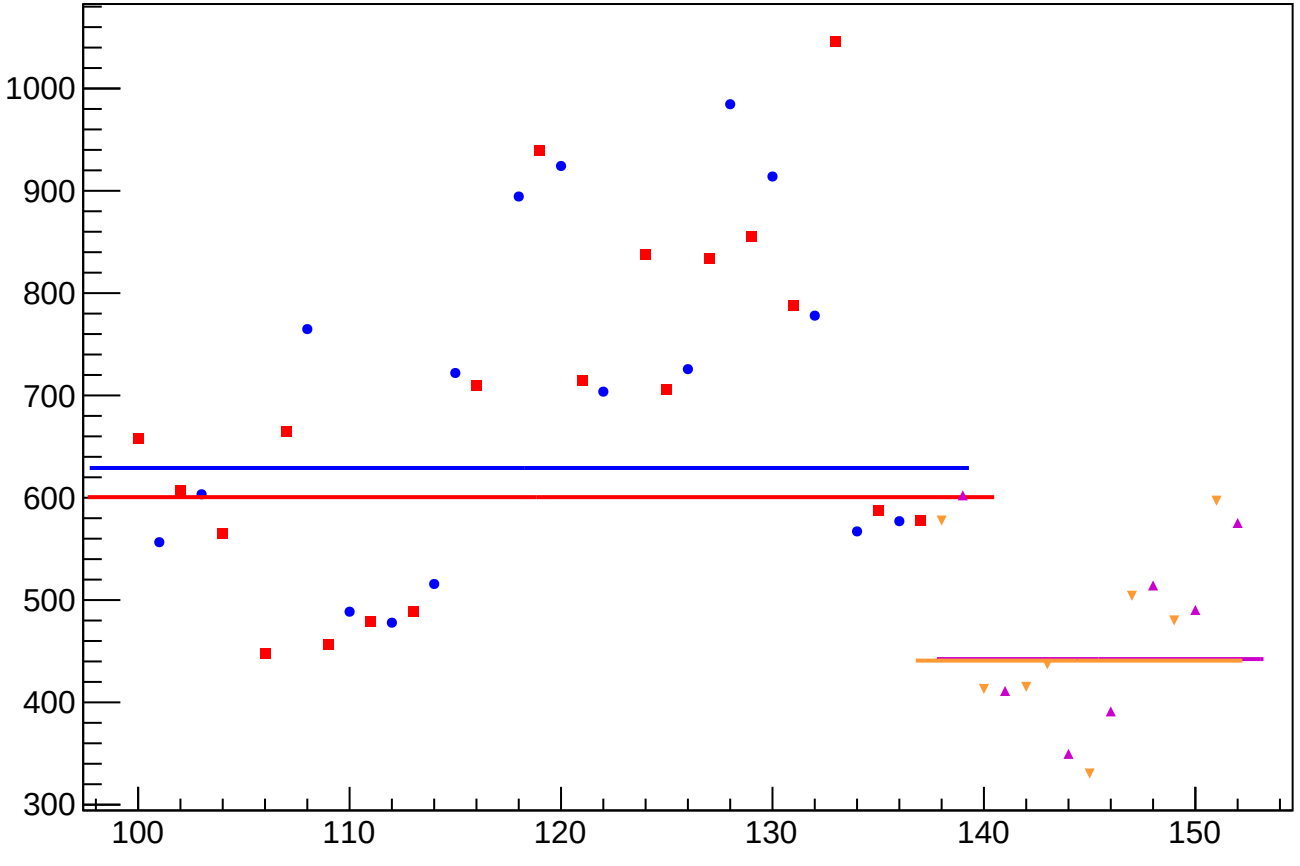
Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -40.068+/-145.566 χ^2/NDF:28.2/22

Out: 176.259+/-141.656 χ^2/NDF:50.2/26

All: 71.039+/-101.520 χ^2/NDF: 79.5/49

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 440.826+/-0.128 χ^2/NDF:425538.7/7

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 442.329+/-0.129 χ^2/NDF:424579.8/6

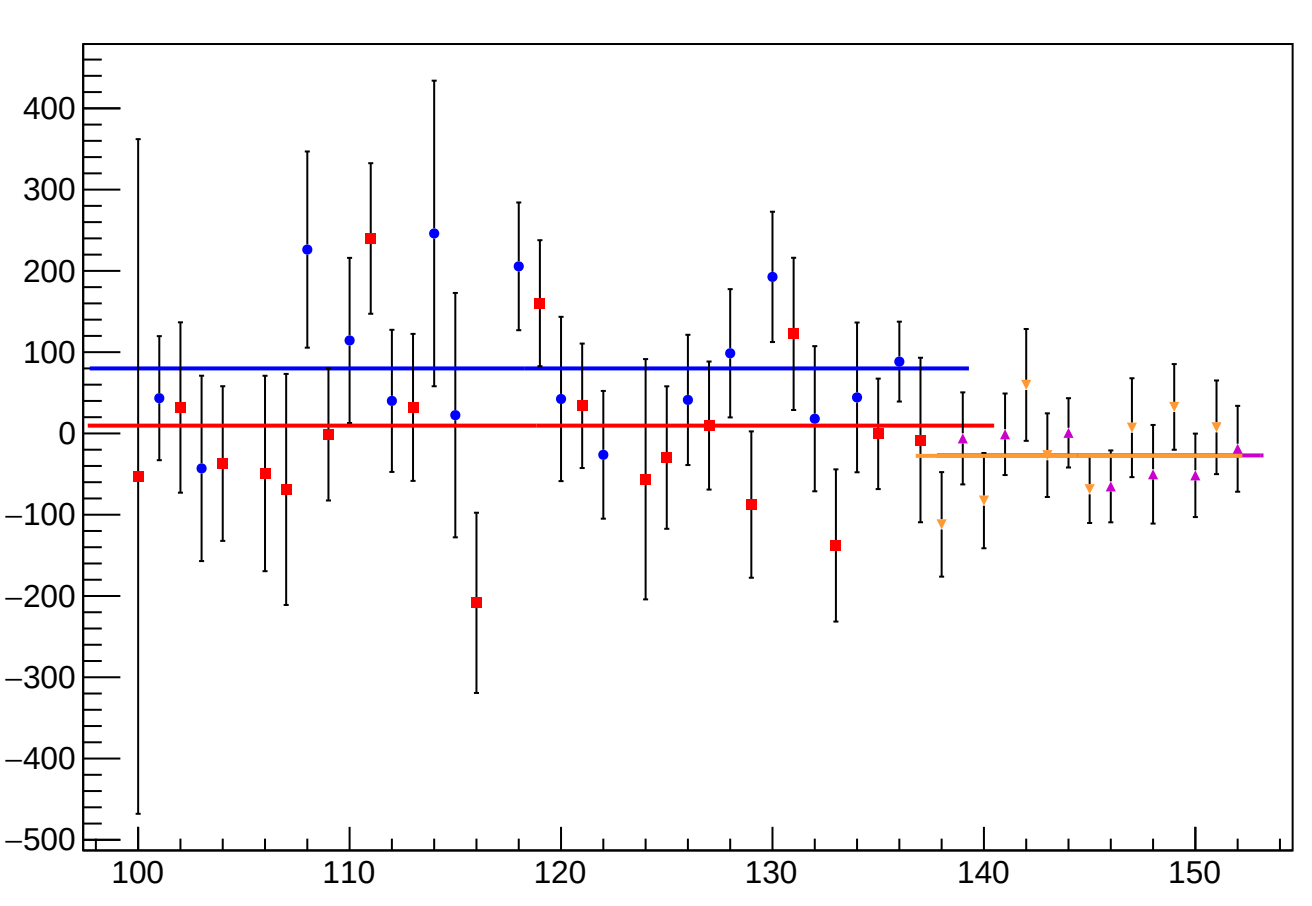
Left: 441.572+/-0.091 χ^2/NDF: 850186.8/14

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 510.339+/-0.103 χ^2/NDF:1879633.0/22

Out: 502.910+/-0.100 χ^2/NDF:1904596.3/26

All: 506.524+/-0.072 χ^2/NDF: 3786904.7/49



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: -27.043+/-18.966 χ^2/NDF:2.0/6

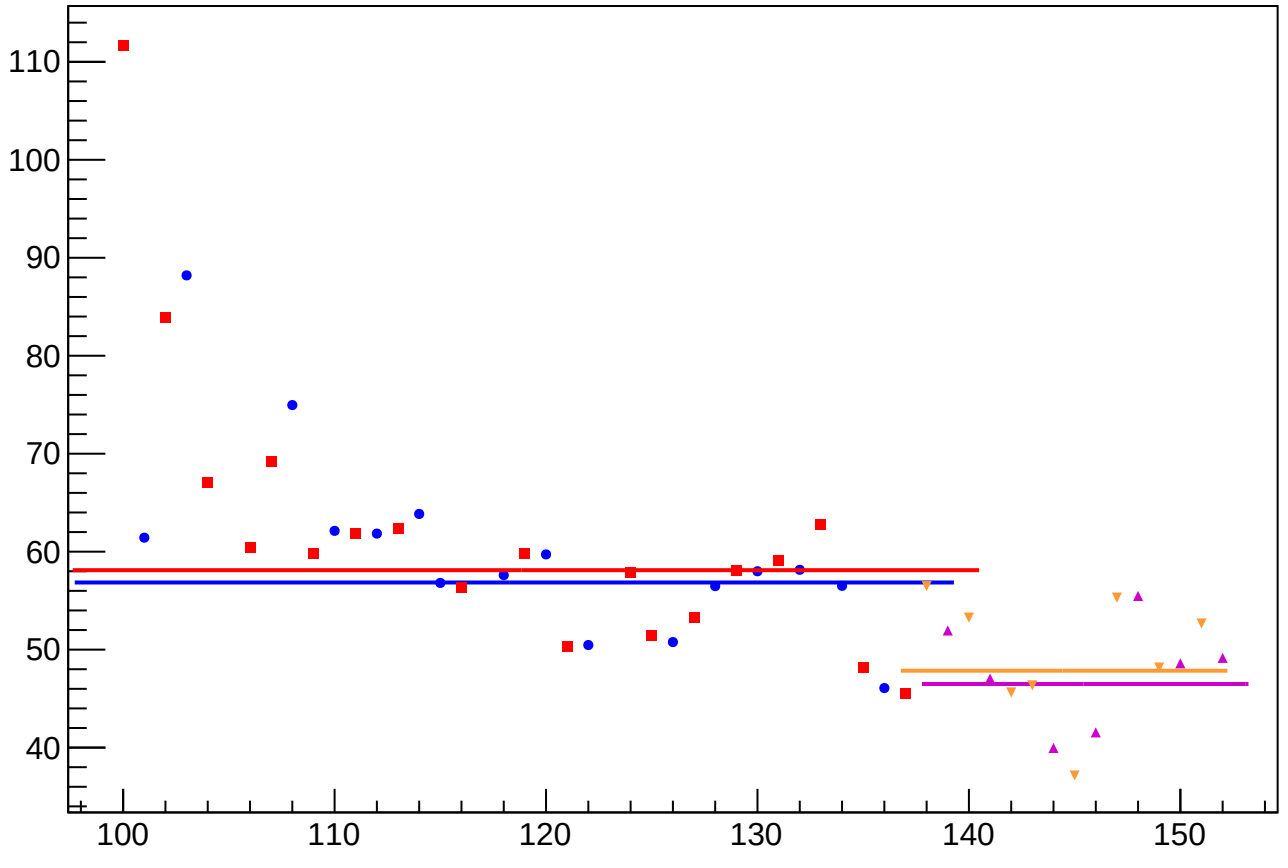
Left: -27.293+/-13.591 χ^2/NDF: 9.2/14

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 19.865+/-14.216 χ^2/NDF:27.5/22

Out: -10.905+/-14.477 χ^2/NDF:29.2/26

All: 4.761+/-10.143 χ^2/NDF: 59.0/49



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: 46.494+/-0.013 χ^2/NDF:143081.5/6

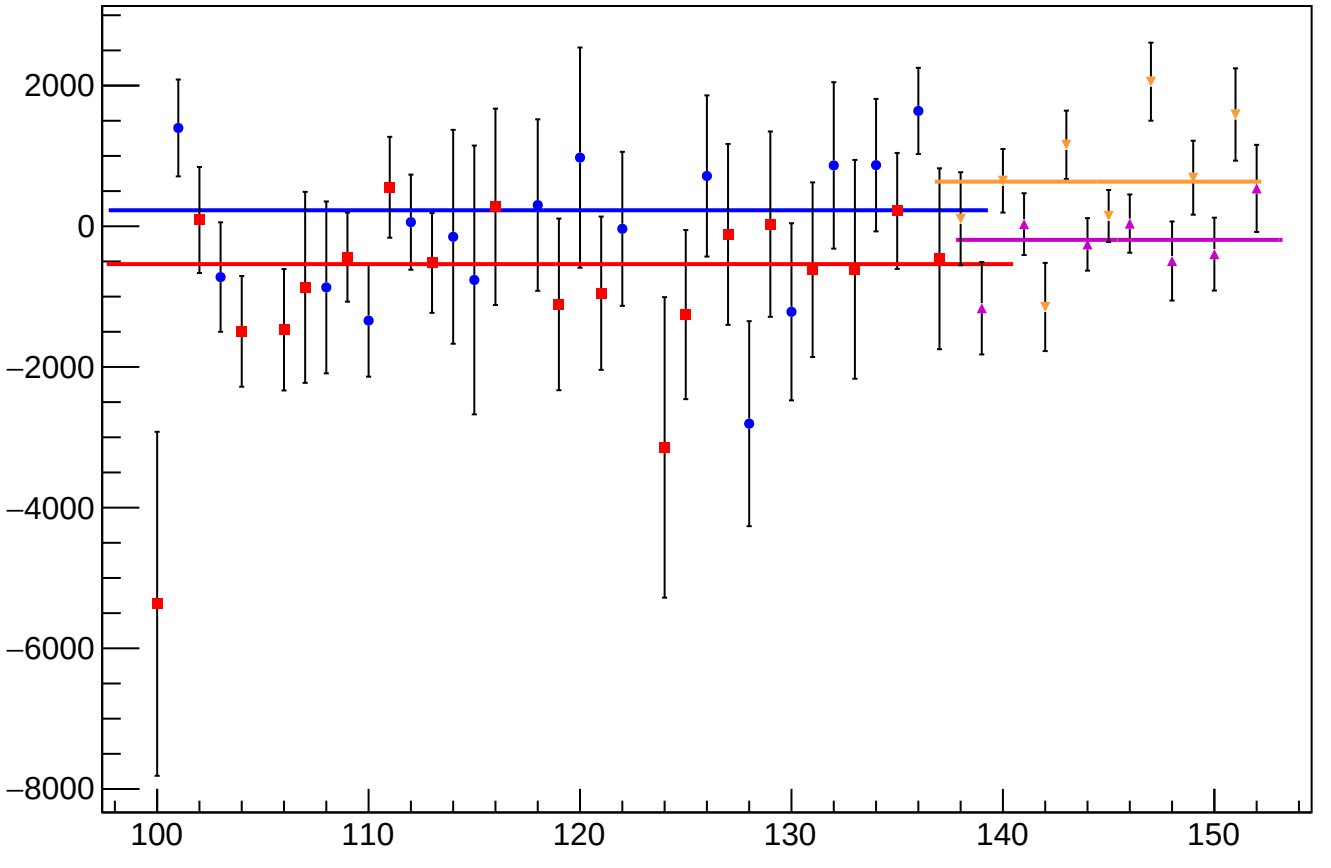
Left: 47.154+/-0.010 χ^2/NDF: 382069.2/14

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 51.034+/-0.010 χ^2/NDF:746199.4/22

Out: 52.446+/-0.010 χ^2/NDF:795404.6/26

All: 51.727+/-0.007 χ^2/NDF: 1551290.0/49



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: -193.310+/-182.549 χ^2/NDF:4.6/6

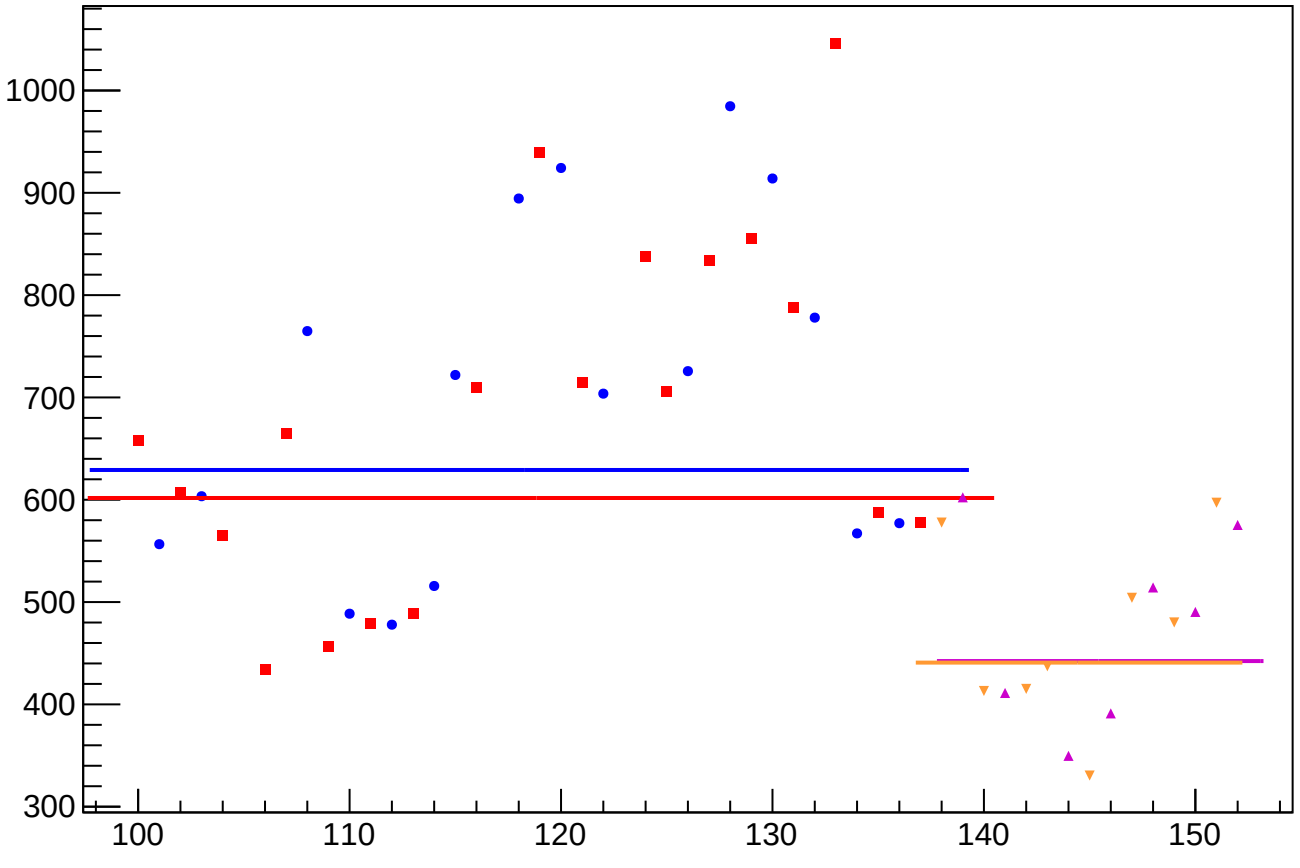
Left: 223.757+/-128.589 χ^2/NDF: 35.3/14

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -40.059+/-145.566 χ^2/NDF:28.2/22

Out: 182.530+/-142.020 χ^2/NDF:49.8/26

All: 73.979+/-101.654 χ^2/NDF: 79.2/49



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: 442.330+/-0.129 χ^2/NDF:424579.4/6

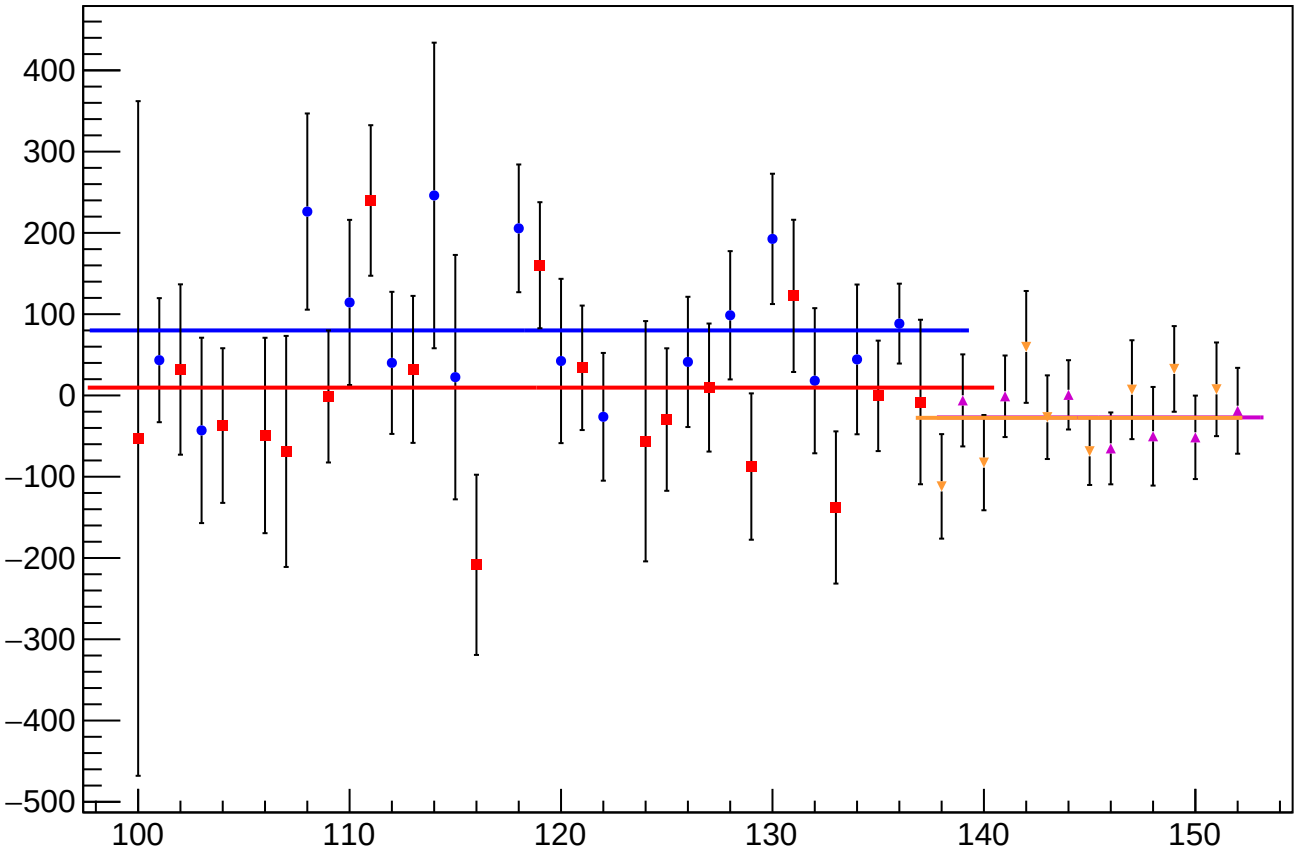
Left: 441.572+/-0.091 χ^2/NDF: 850188.6/14

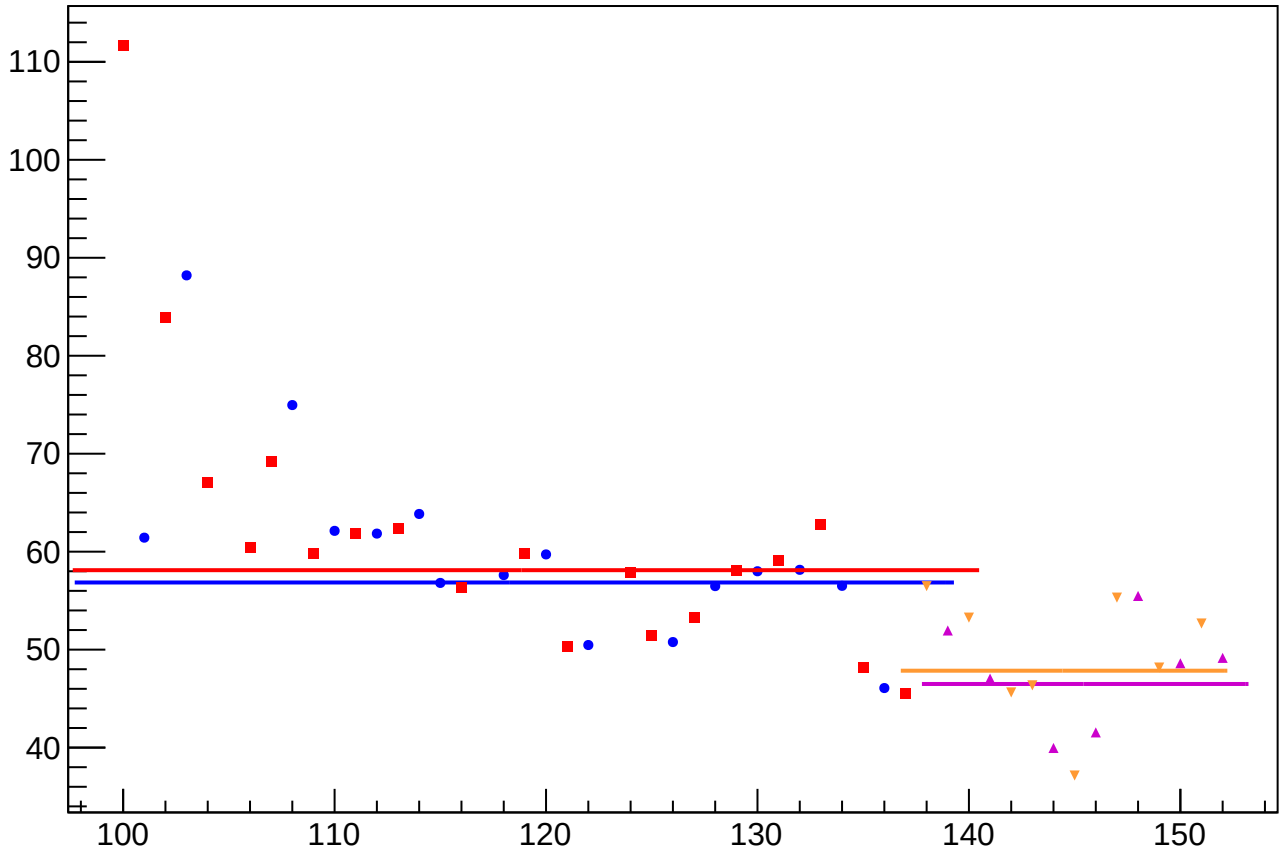
Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 510.340+/-0.103 χ^2/NDF:1879653.7/22

Out: 502.842+/-0.100 χ^2/NDF:1907626.3/26

All: 506.499+/-0.072 χ^2/NDF: 3789998.8/49


eigen_cor_asym_sam_15_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
−400
−500
100
110
120
130
140
150
Right In: 79.998+/-21.474 χ²/NDF: 11.6/15
Left Out: -27.558+/-19.485 χ²/NDF:7.2/7
Right Out: 9.619+/-21.631 χ²/NDF: 20.4/18
Left In: -27.043+/-18.966 χ²/NDF:2.0/6
Left: -27.293+/-13.591 χ²/NDF: 9.2/14
Right: 45.064+/-15.240 χ²/NDF: 37.3/34
In: 19.865+/-14.216 χ²/NDF:27.5/22
Out: -10.905+/-14.477 χ²/NDF:29.2/26
All: 4.761+/-10.143 χ²/NDF: 59.0/49



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: 46.494+/-0.013 χ^2/NDF:143081.5/6

Left: 47.154+/-0.010 χ^2/NDF: 382069.2/14

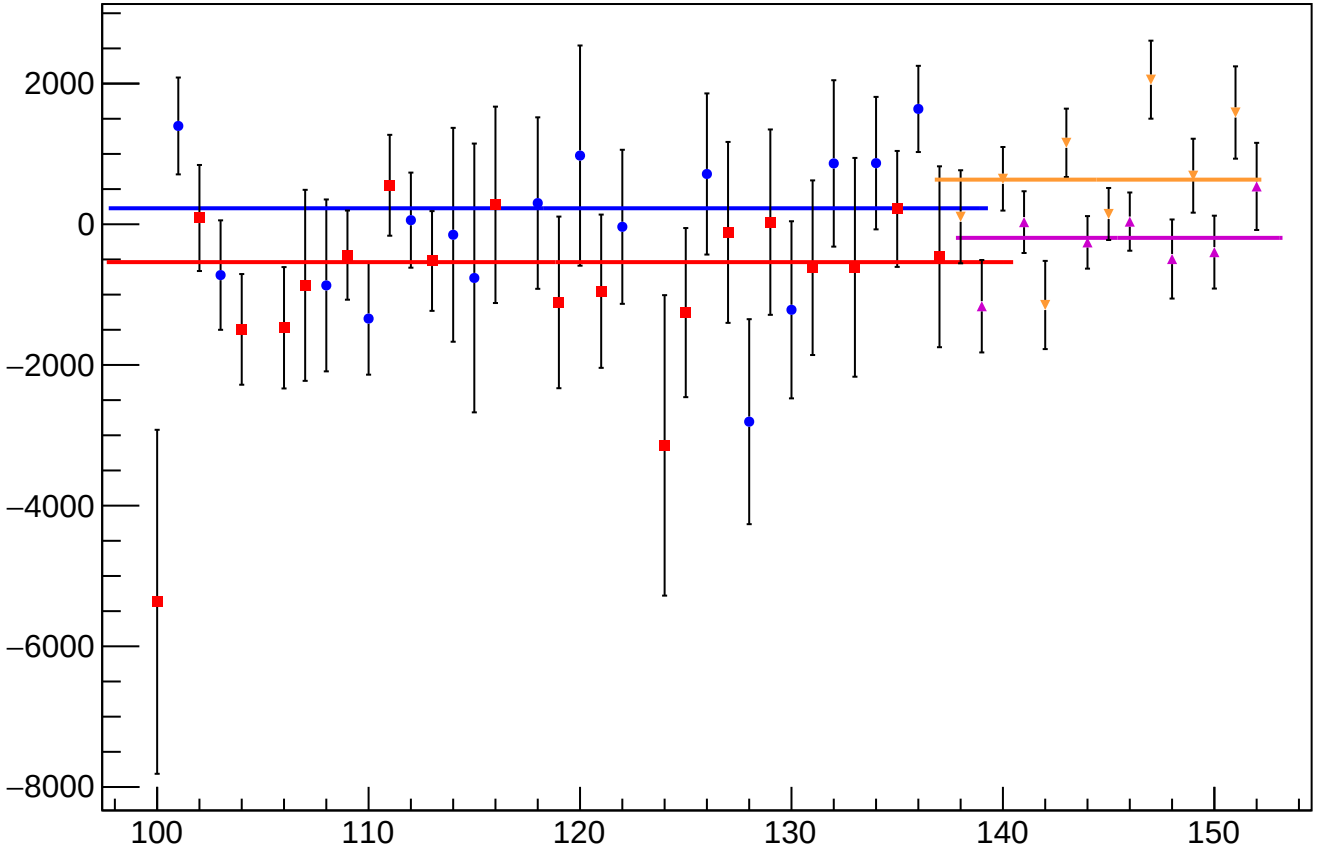
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 51.034+/-0.010 χ^2/NDF:746199.4/22

Out: 52.446+/-0.010 χ^2/NDF:795404.6/26

All: 51.727+/-0.007 χ^2/NDF: 1551290.0/49

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: -193.310+/-182.549 χ^2/NDF:4.6/6

Left: 223.757+/-128.589 χ^2/NDF: 35.3/14

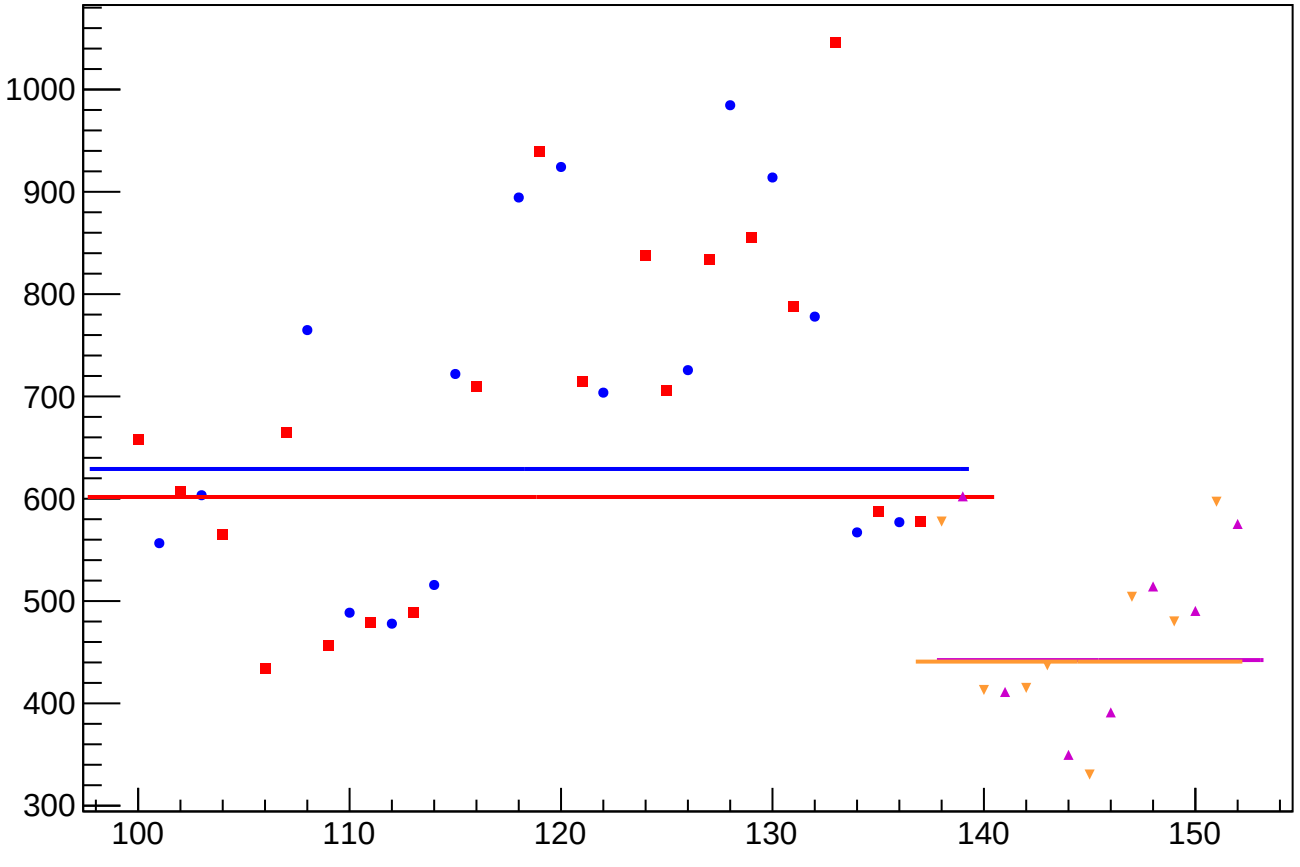
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -40.059+/-145.566 χ^2/NDF:28.2/22

Out: 182.530+/-142.020 χ^2/NDF:49.8/26

All: 73.979+/-101.654 χ^2/NDF: 79.2/49

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 440.826+/-0.128 χ^2/NDF:425540.8/7

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 442.330+/-0.129 χ^2/NDF:424579.4/6

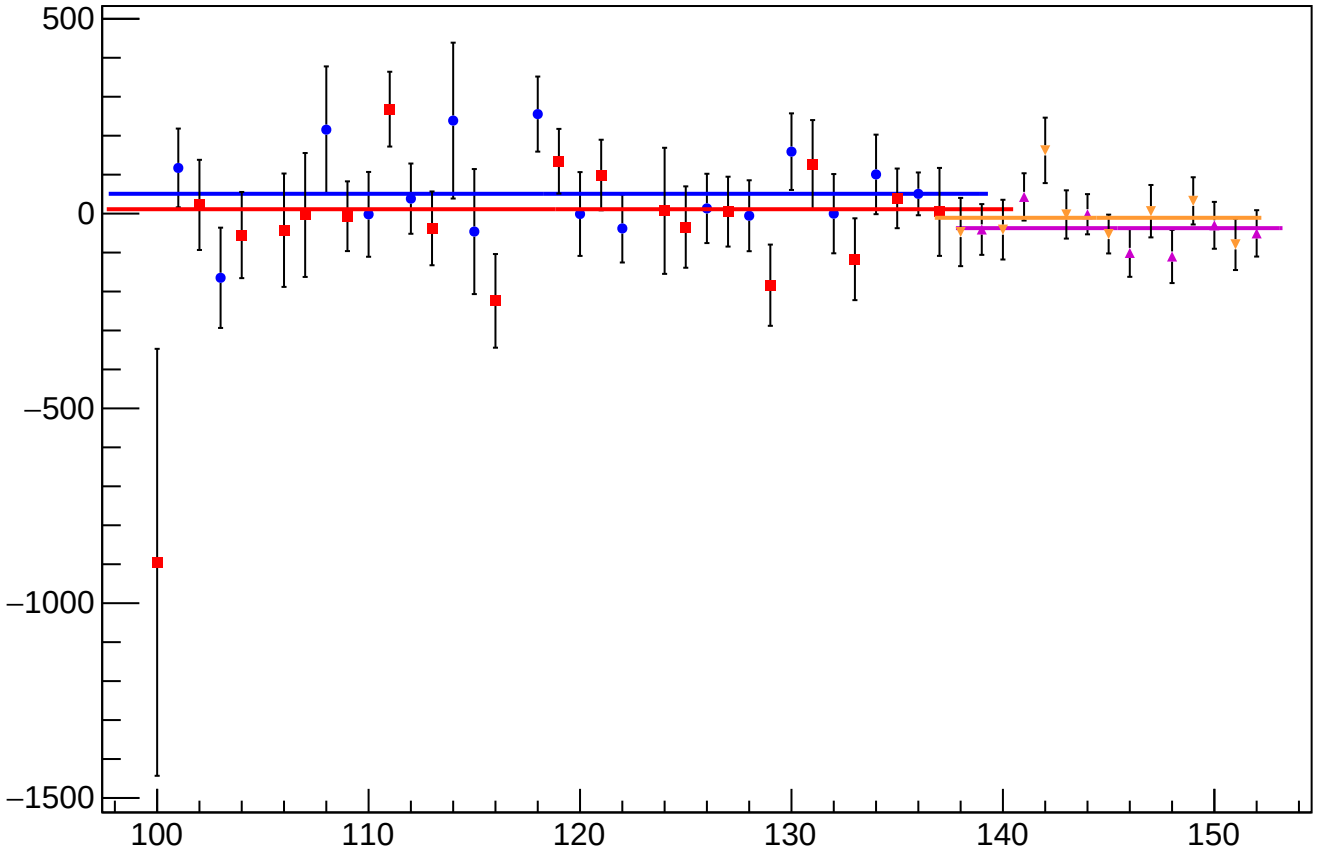
Left: 441.572+/-0.091 χ^2/NDF: 850188.6/14

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 510.340+/-0.103 χ^2/NDF:1879653.7/22

Out: 502.842+/-0.100 χ^2/NDF:1907626.3/26

All: 506.499+/-0.072 χ^2/NDF: 3789998.8/49



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: -37.305+/-22.811 χ^2/NDF:4.5/6

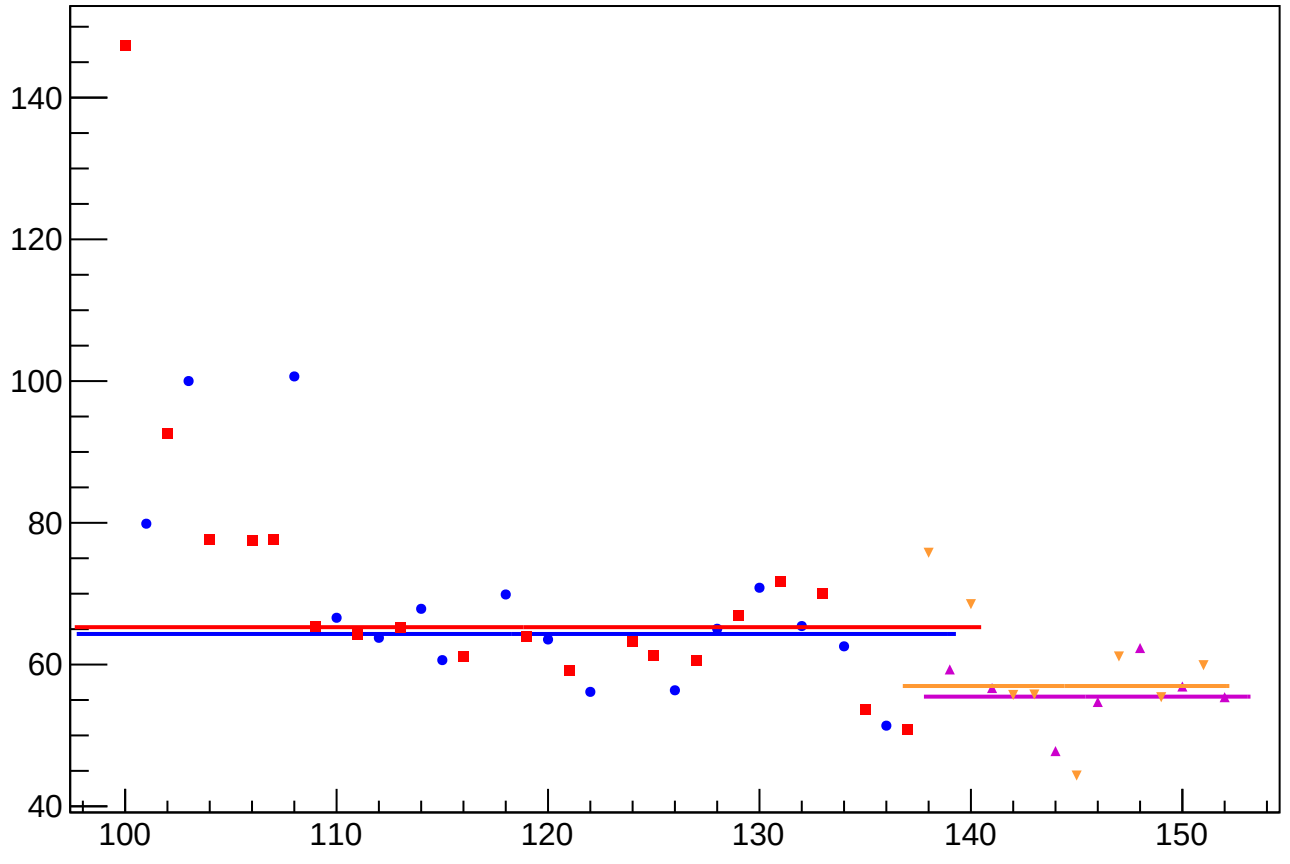
Left: -24.375+/-16.328 χ^2/NDF: 12.1/14

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 3.648+/-16.693 χ^2/NDF:25.2/22

Out: -0.198+/-16.857 χ^2/NDF:31.4/26

All: 1.744+/-11.861 χ^2/NDF: 56.7/49



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: 55.474+/-0.016 χ^2/NDF:73726.8/6

Left: 56.205+/-0.012 χ^2/NDF: 358433.3/14

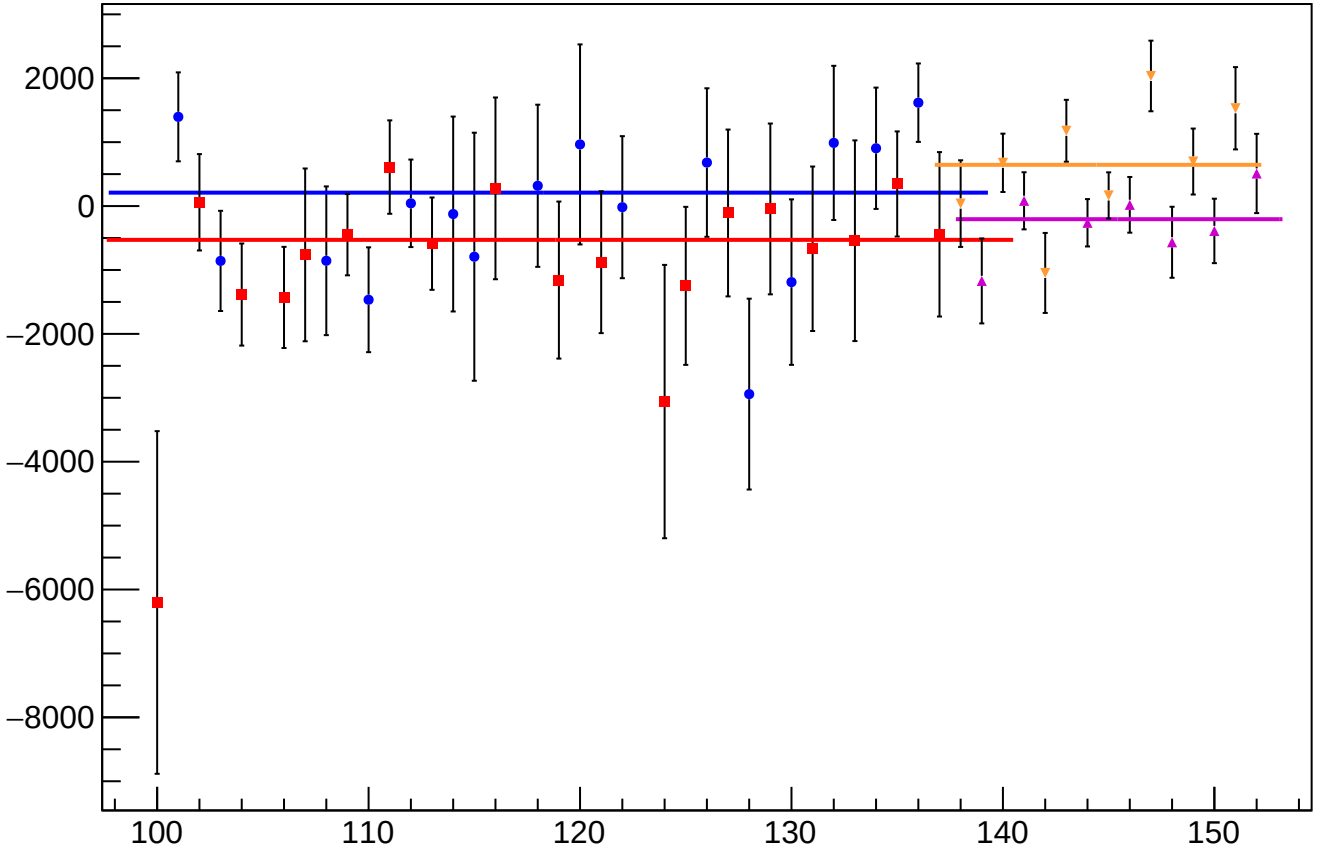
Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 59.582+/-0.012 χ^2/NDF:678294.4/22

Out: 60.961+/-0.012 χ^2/NDF:720794.0/26

All: 60.265+/-0.008 χ^2/NDF: 1405854.3/49

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: -205.376+/-183.831 χ^2/NDF:4.7/6

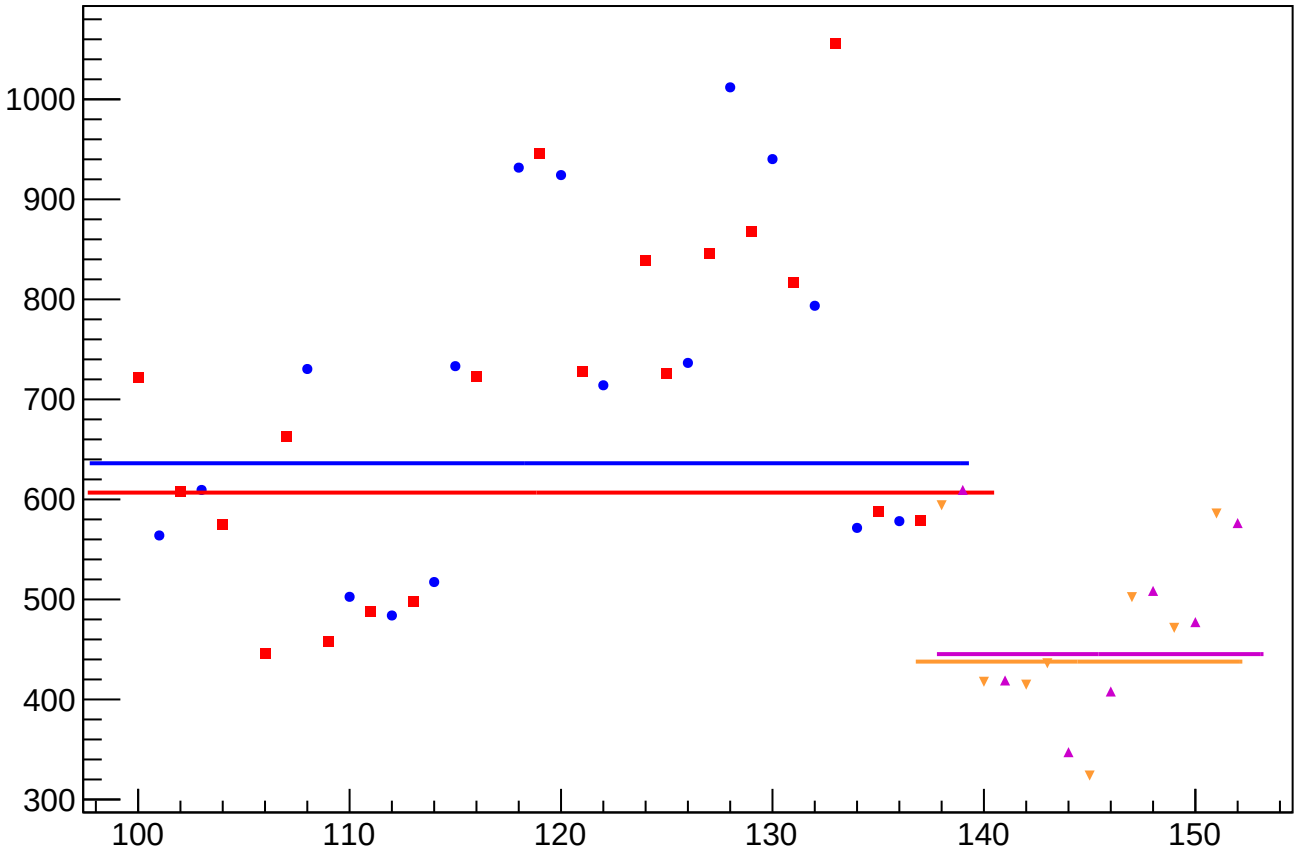
Left: 229.207+/-128.580 χ^2/NDF: 35.0/14

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -54.807+/-146.780 χ^2/NDF:29.0/22

Out: 198.979+/-141.632 χ^2/NDF:49.3/26

All: 76.614+/-101.920 χ^2/NDF: 79.9/49



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: 445.330+/-0.130 χ^2/NDF:406707.1/6

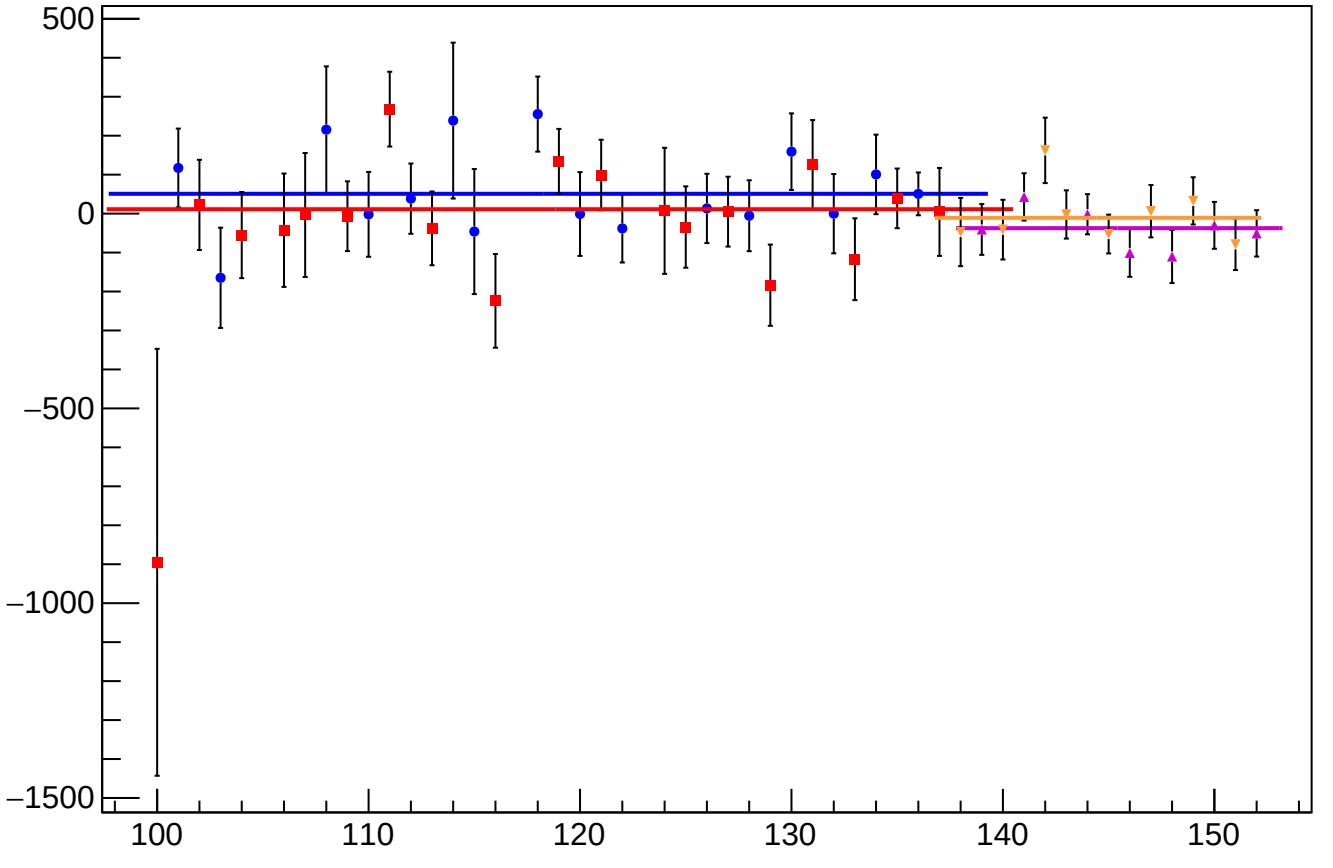
Left: 441.505+/-0.091 χ^2/NDF: 861550.0/14

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 514.495+/-0.104 χ^2/NDF:1893016.5/22

Out: 502.091+/-0.100 χ^2/NDF:2017789.5/26

All: 508.072+/-0.072 χ^2/NDF: 3918201.9/49



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: -37.305+/-22.811 χ^2/NDF:4.5/6

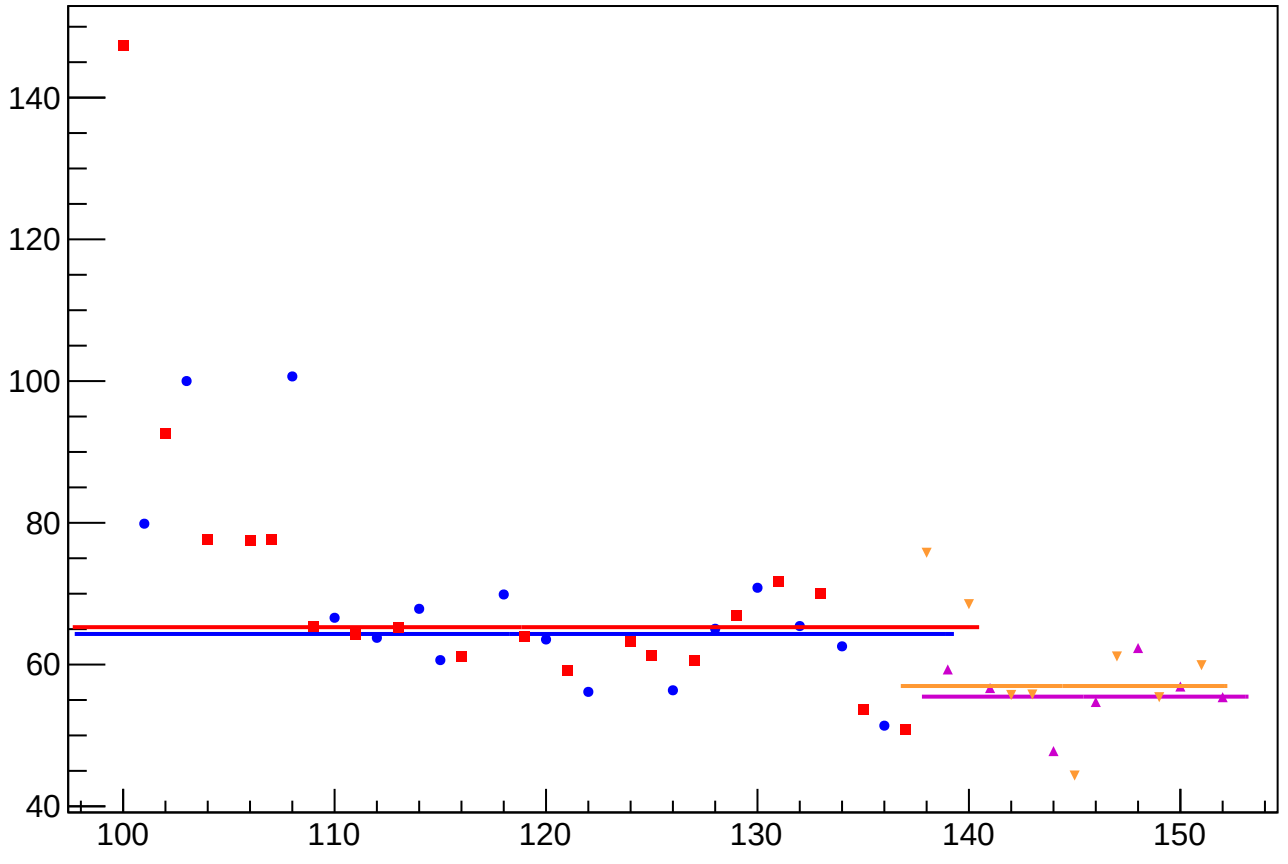
Left: -24.375+/-16.328 χ^2/NDF: 12.1/14

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 3.647+/-16.693 χ^2/NDF:25.2/22

Out: -0.198+/-16.857 χ^2/NDF:31.4/26

All: 1.743+/-11.861 χ^2/NDF: 56.7/49



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: 55.474+/-0.016 χ^2/NDF:73721.9/6

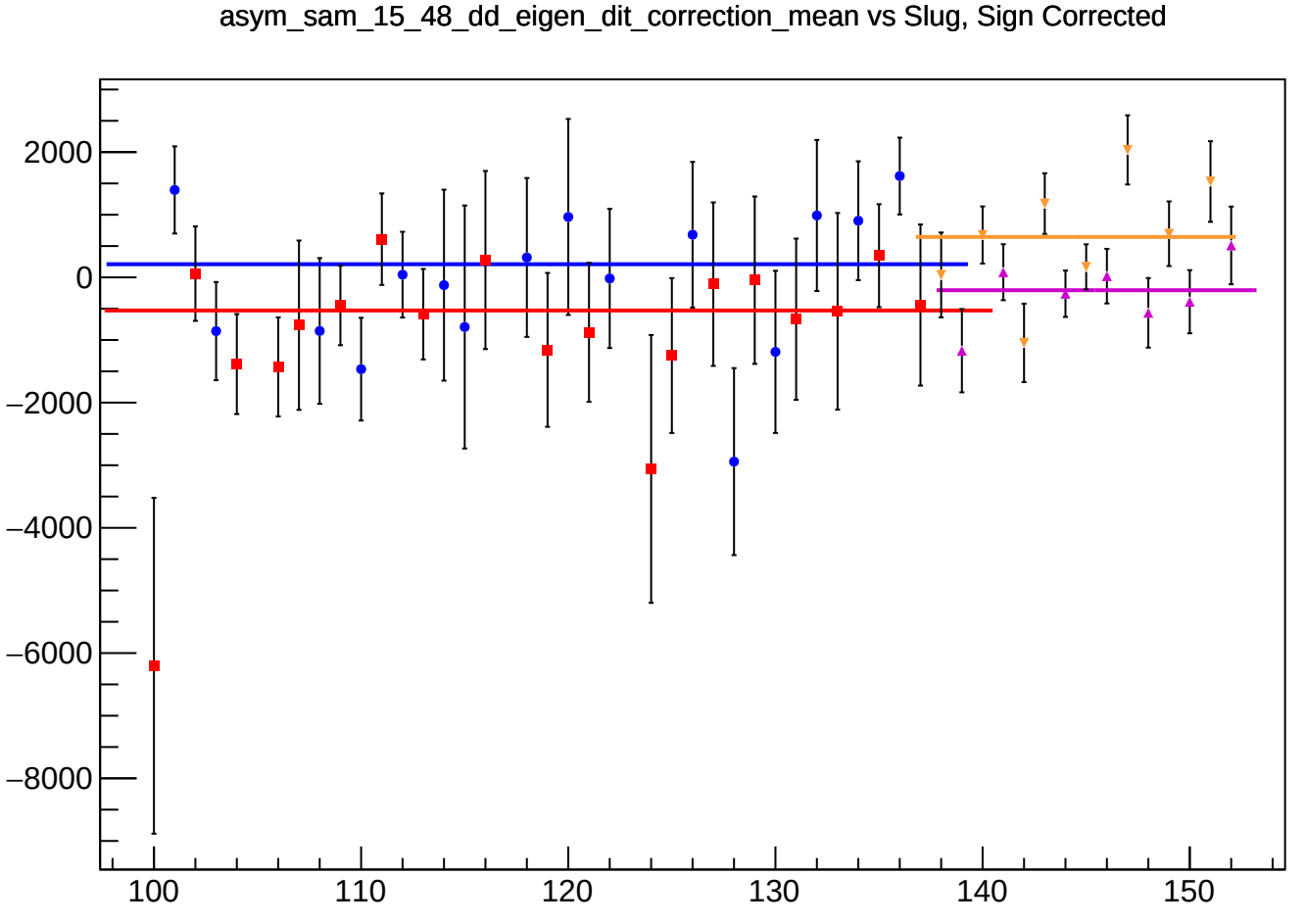
Left: 56.205+/-0.012 χ^2/NDF: 358415.1/14

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 59.582+/-0.012 χ^2/NDF:678283.1/22

Out: 60.961+/-0.012 χ^2/NDF:720776.0/26

All: 60.265+/-0.008 χ^2/NDF: 1405825.2/49



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: -205.376+/-183.830 χ^2/NDF:4.7/6

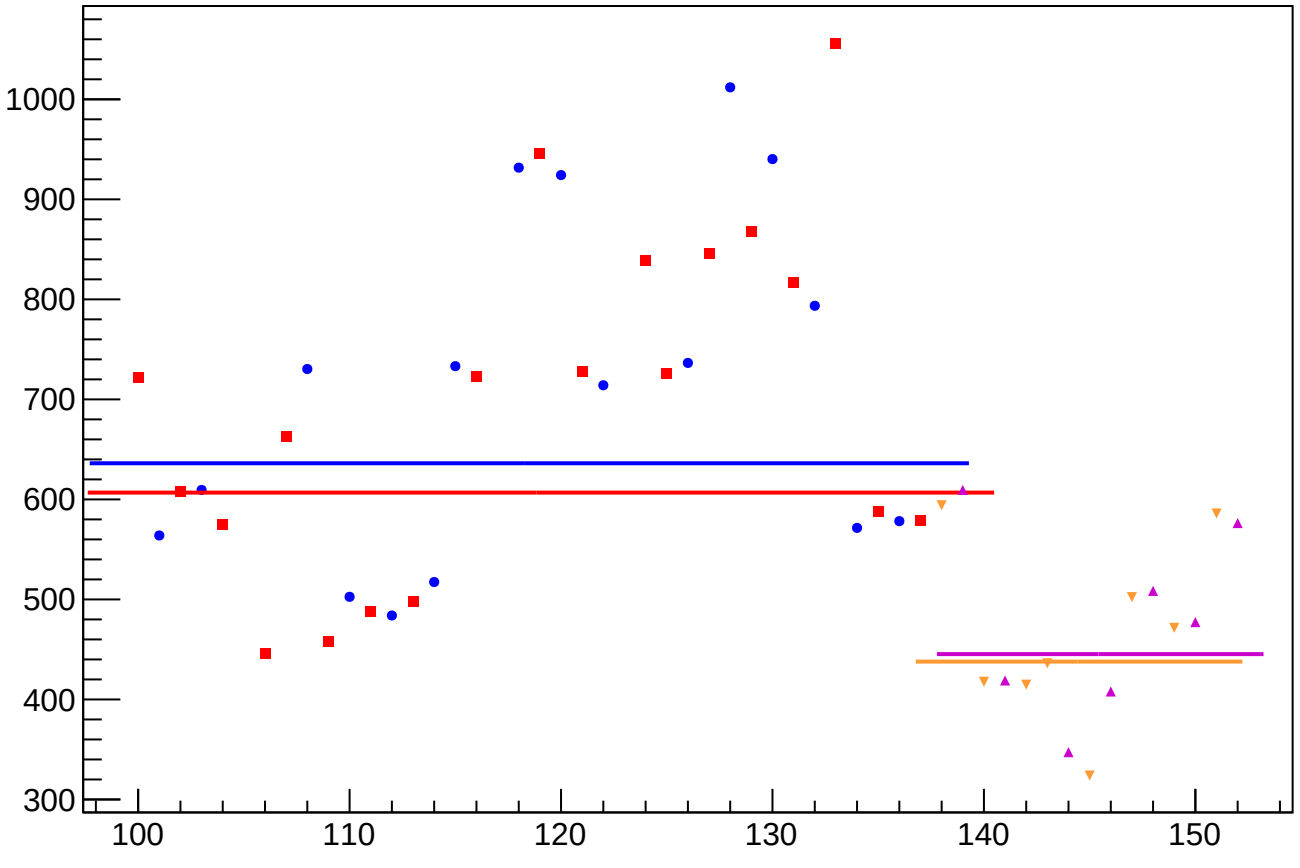
Left: 229.207+/-128.579 χ^2/NDF: 35.0/14

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -54.807+/-146.780 χ^2/NDF:29.0/22

Out: 198.979+/-141.632 χ^2/NDF:49.3/26

All: 76.614+/-101.920 χ^2/NDF: 79.9/49



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: 445.329+/-0.130 χ^2/NDF:406707.5/6

Left: 441.505+/-0.091 χ^2/NDF: 861555.7/14

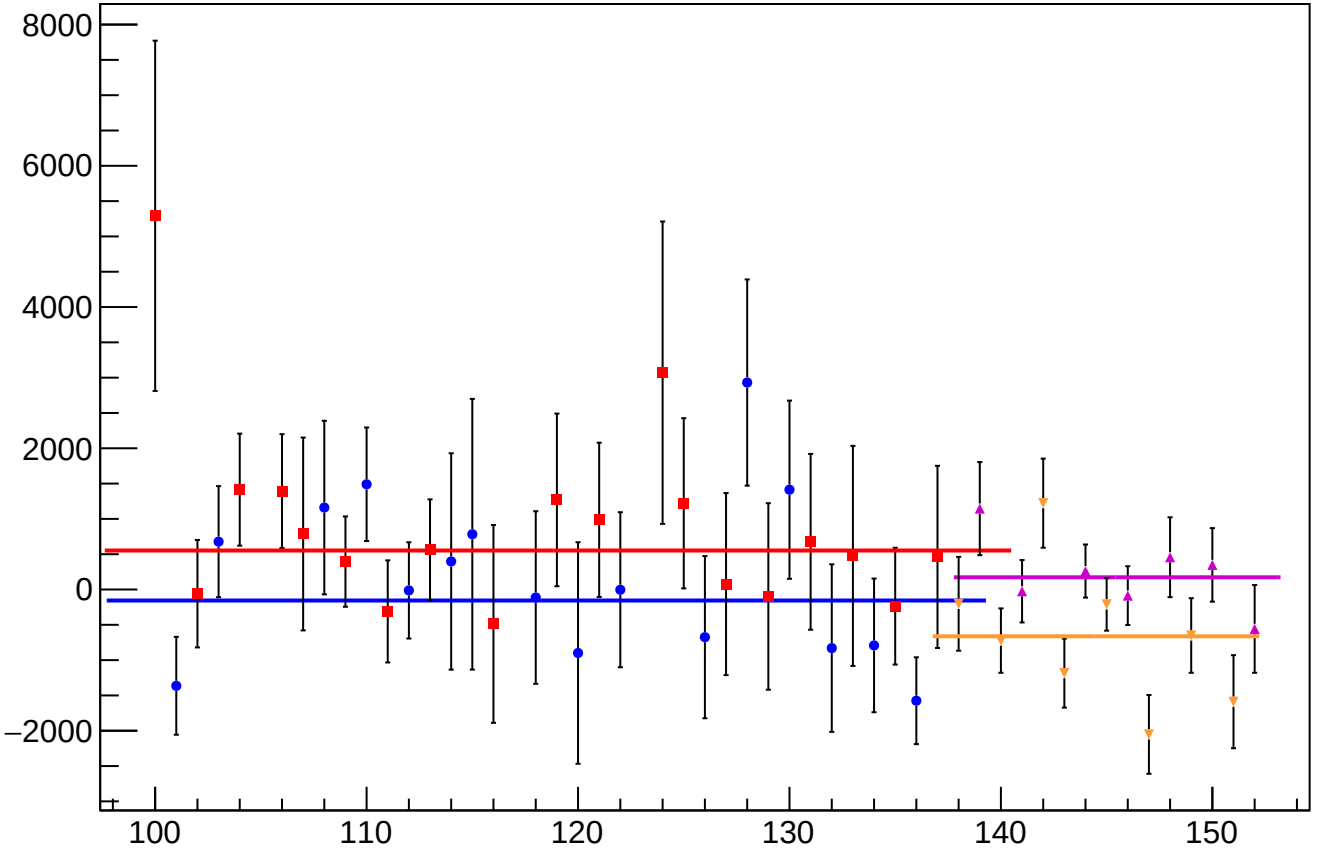
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 514.494+/-0.104 χ^2/NDF:1893021.3/22

Out: 502.090+/-0.100 χ^2/NDF:2017801.1/26

All: 508.071+/-0.072 χ^2/NDF: 3918218.6/49

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: 173.038+/-183.602 χ^2/NDF:4.6/6

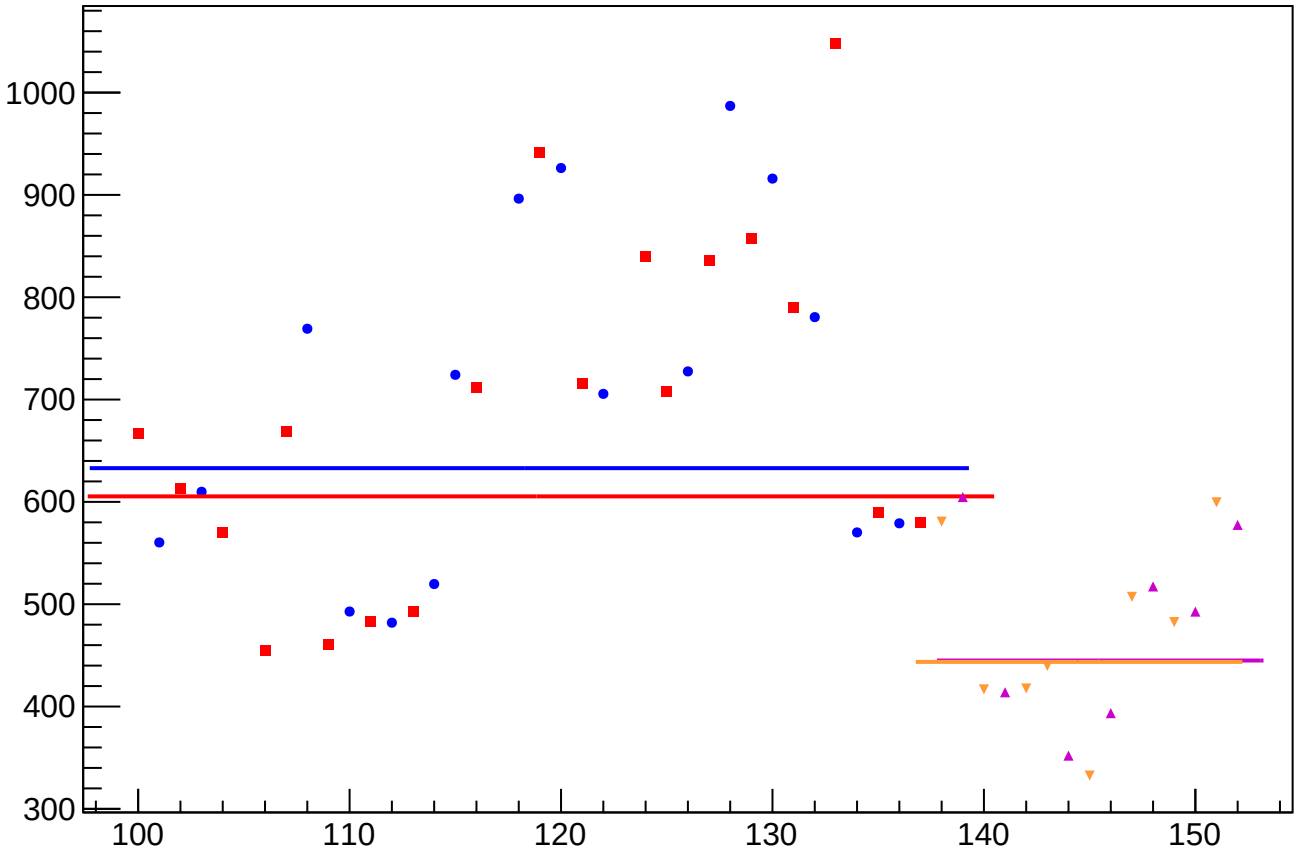
Left: -247.550+/-129.357 χ^2/NDF: 35.2/14

Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 53.335+/-146.400 χ^2/NDF:28.2/22

Out: -190.868+/-142.590 χ^2/NDF:49.6/26

All: -71.986+/-102.147 χ^2/NDF: 79.2/49



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: 444.968+/-0.130 χ^2/NDF:420507.6/6

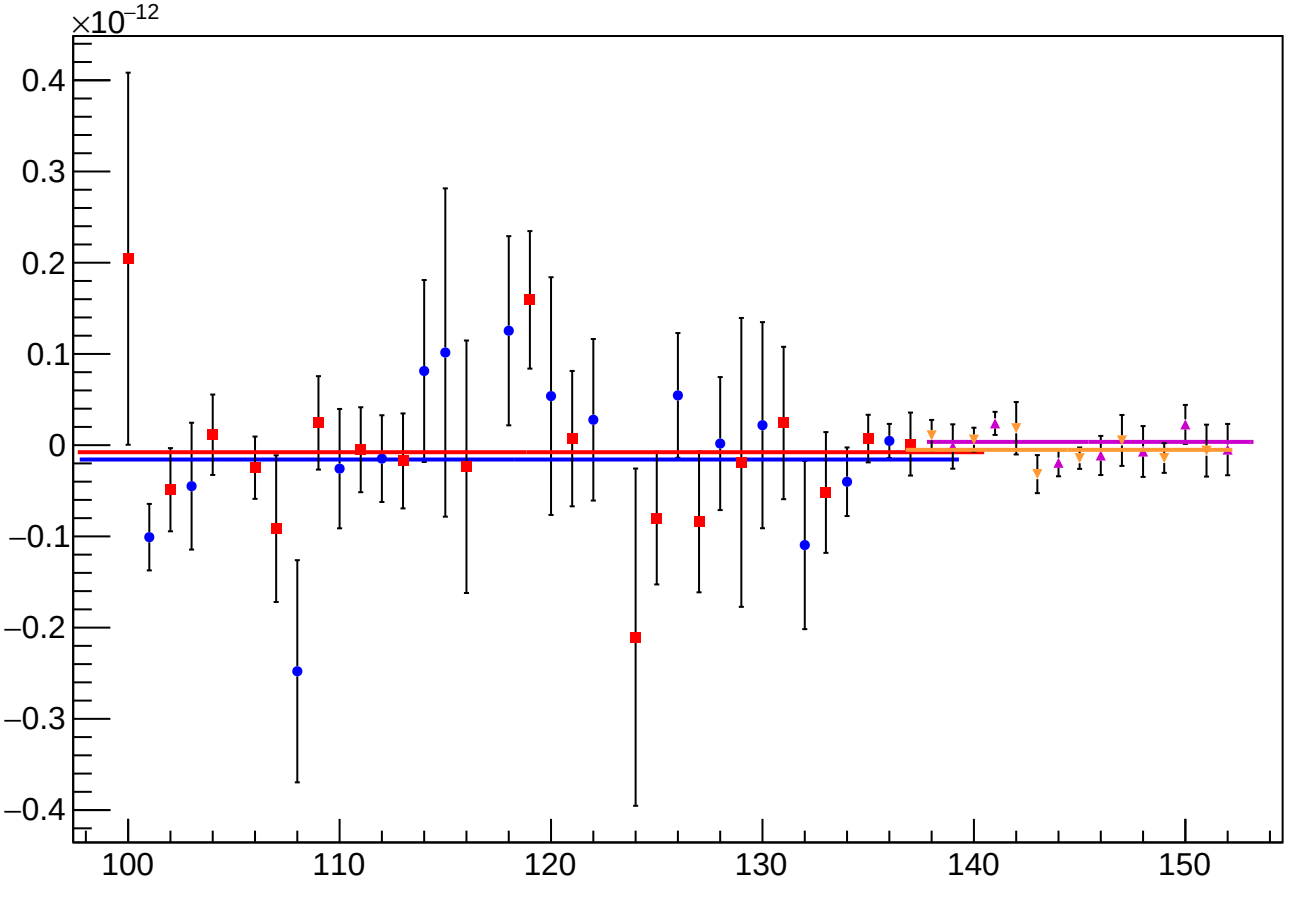
Left: 444.293+/-0.091 χ^2/NDF: 842986.8/14

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 513.434+/-0.104 χ^2/NDF:1865312.0/22

Out: 506.398+/-0.101 χ^2/NDF:1887558.9/26

All: 509.823+/-0.072 χ^2/NDF: 3755242.0/49



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:6.5/6

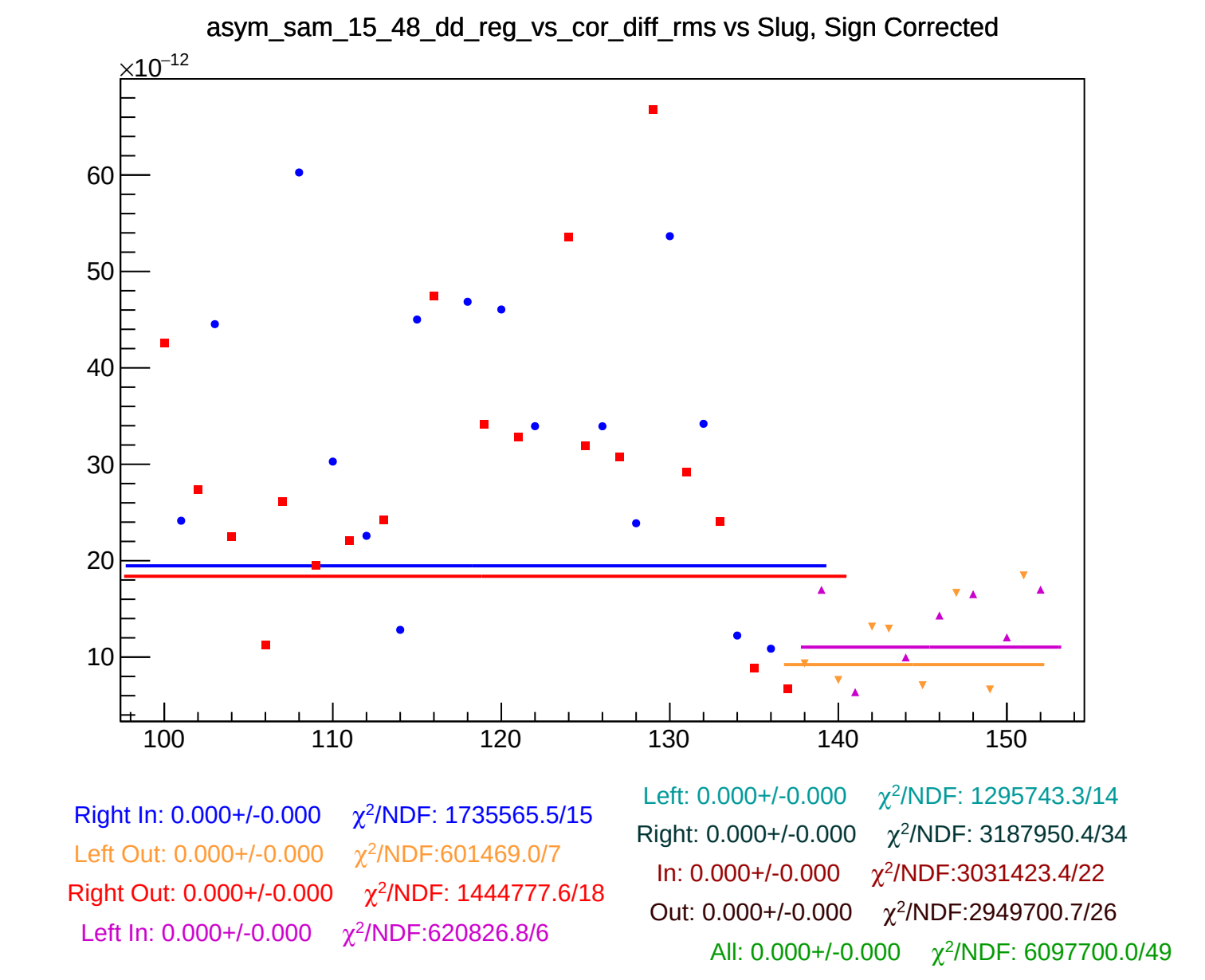
Left: -0.000+/-0.000 χ^2/NDF: 12.3/14

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

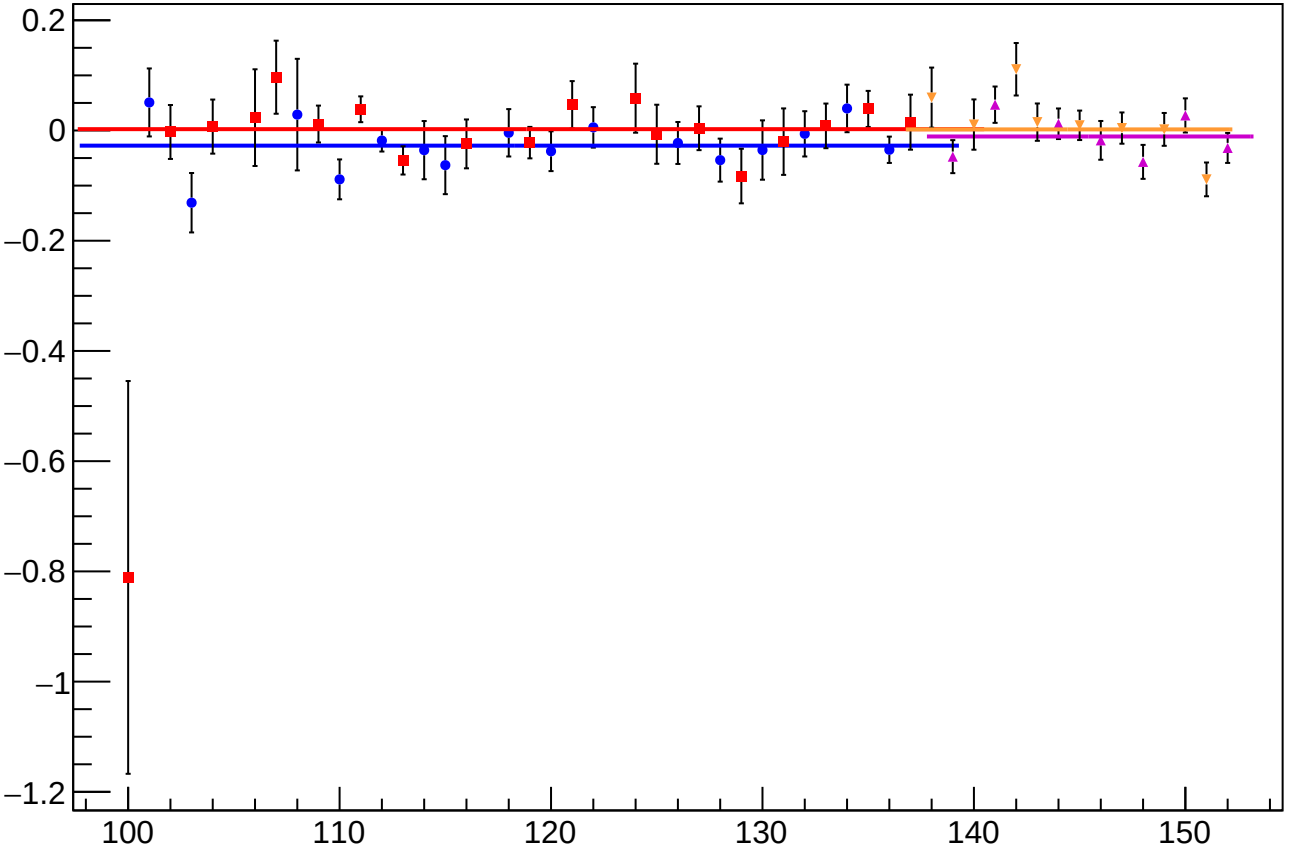
In: -0.000+/-0.000 χ^2/NDF:25.2/22

Out: -0.000+/-0.000 χ^2/NDF:18.0/26

All: -0.000+/-0.000 χ^2/NDF: 43.5/49


asym_sam_15_48_dd_reg_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: 1735565.5/15
Left Out: 0.000+/-0.000 χ²/NDF:601469.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 1444777.6/18
Left In: 0.000+/-0.000 χ²/NDF:620826.8/6
Left: 0.000+/-0.000 χ²/NDF: 1295743.3/14
Right: 0.000+/-0.000 χ²/NDF: 3187950.4/34
In: 0.000+/-0.000 χ²/NDF:3031423.4/22
Out: 0.000+/-0.000 χ²/NDF:2949700.7/26
All: 0.000+/-0.000 χ²/NDF: 6097700.0/49

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.002+/-0.012 χ^2/NDF:15.4/7

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.011+/-0.011 χ^2/NDF:9.6/6

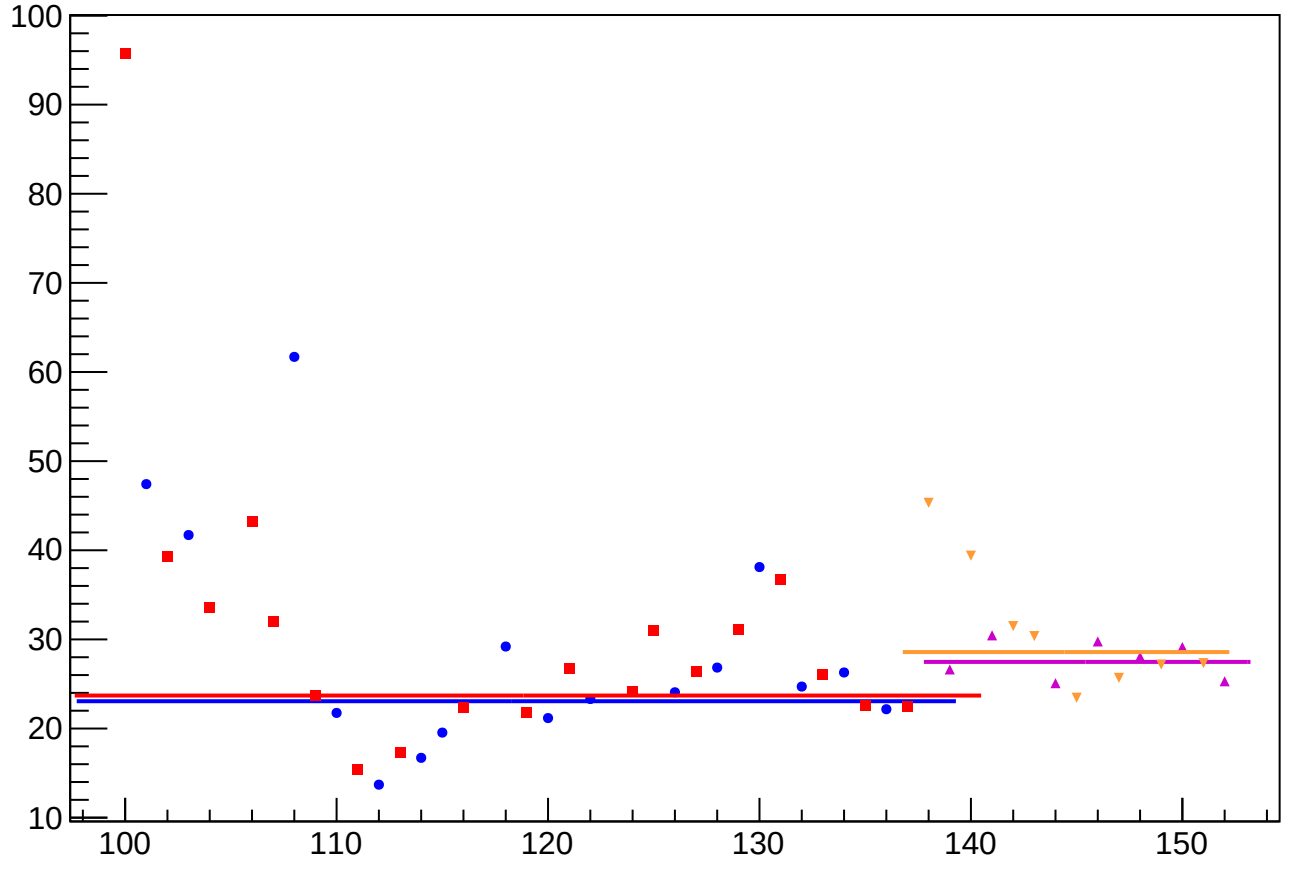
Left: -0.005+/-0.008 χ^2/NDF: 25.6/14

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.007 χ^2/NDF:24.5/22

Out: 0.002+/-0.007 χ^2/NDF:37.5/26

All: -0.009+/-0.005 χ^2/NDF: 67.0/49



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: 27.475+/-0.008 χ^2/NDF:60611.3/6

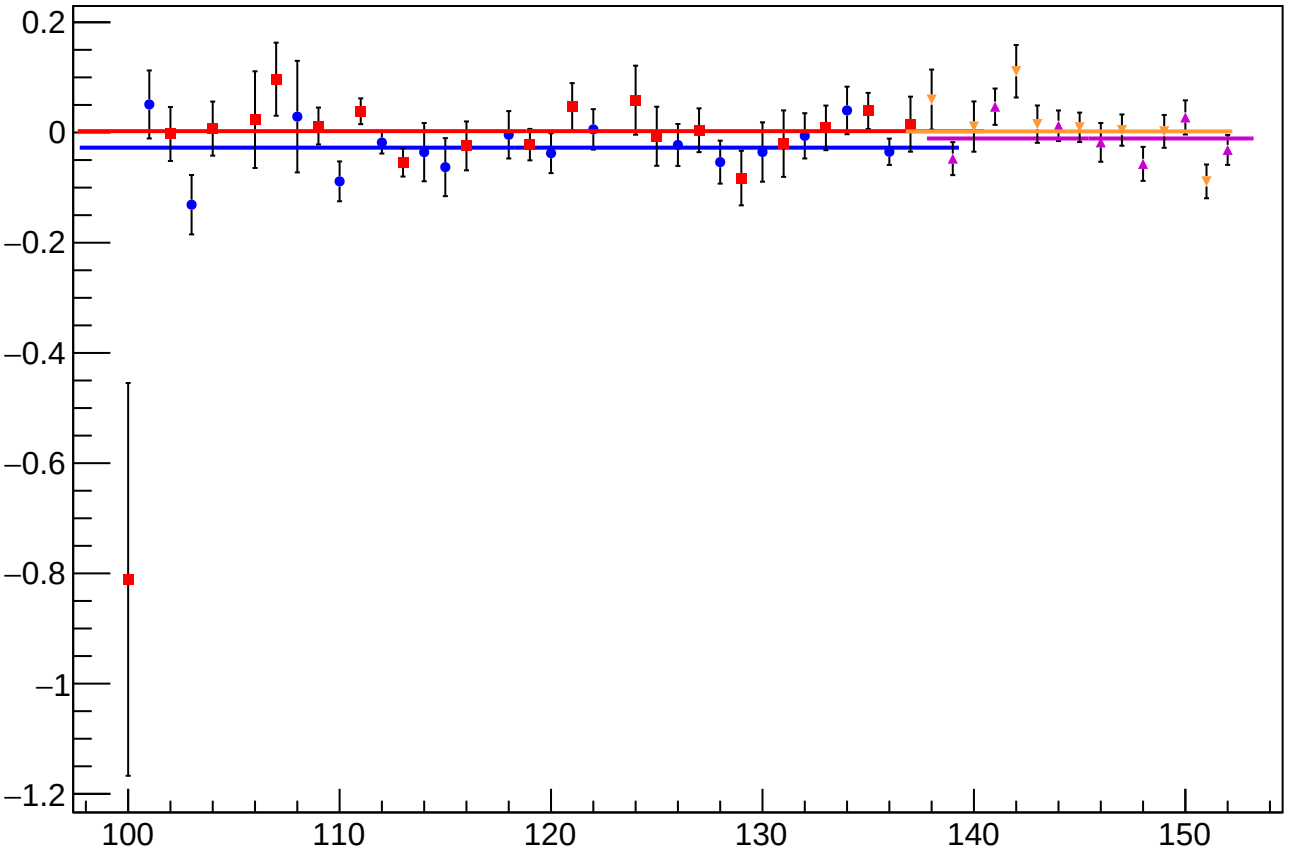
Left: 28.005+/-0.006 χ^2/NDF: 485871.1/14

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.834+/-0.005 χ^2/NDF:1801844.2/22

Out: 25.534+/-0.005 χ^2/NDF:1711922.2/26

All: 25.181+/-0.004 χ^2/NDF: 3522946.6/49



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: -0.011+/-0.011 χ^2/NDF:9.6/6

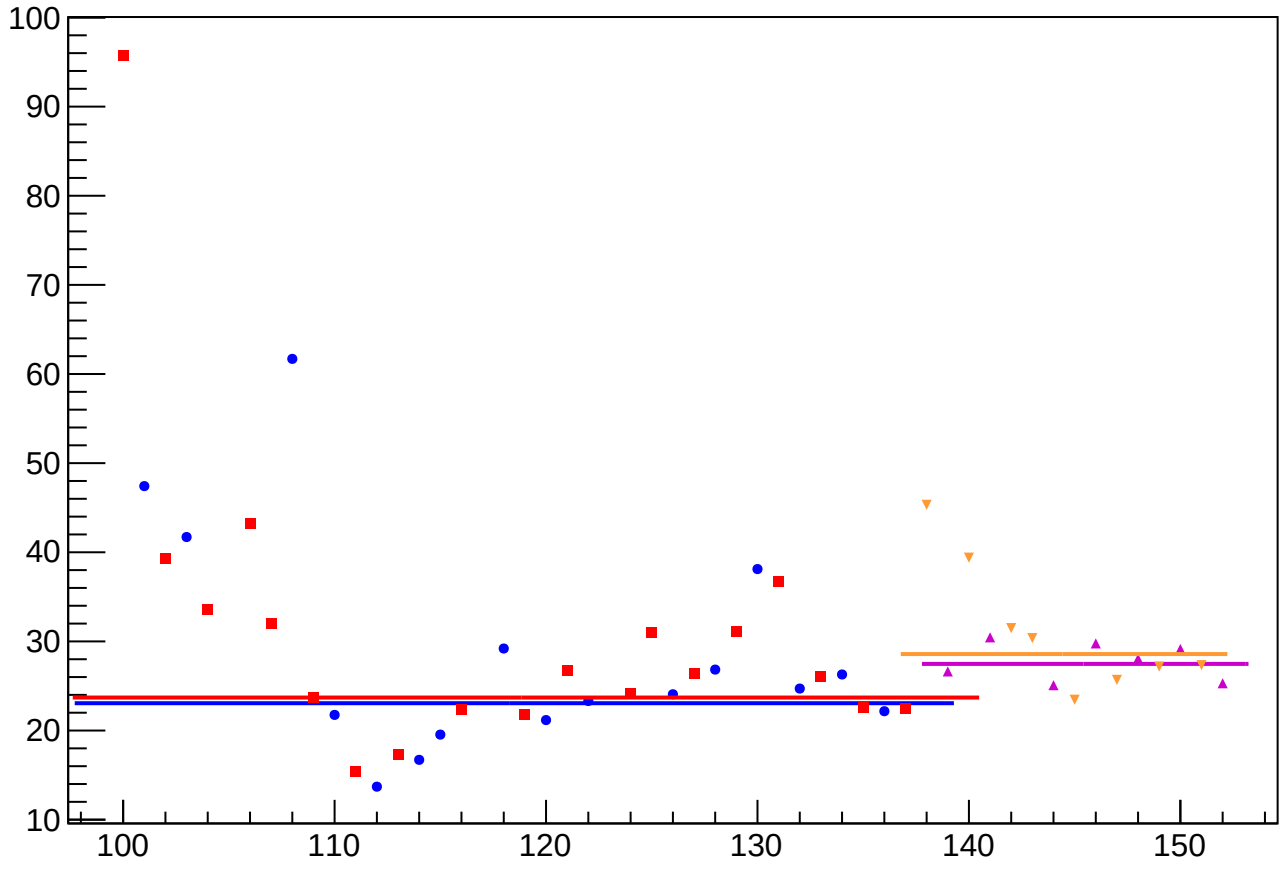
Left: -0.005+/-0.008 χ^2/NDF: 25.6/14

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.007 χ^2/NDF:24.5/22

Out: 0.002+/-0.007 χ^2/NDF:37.5/26

All: -0.009+/-0.005 χ^2/NDF: 67.0/49



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: 27.475+/-0.008 χ^2/NDF:60611.3/6

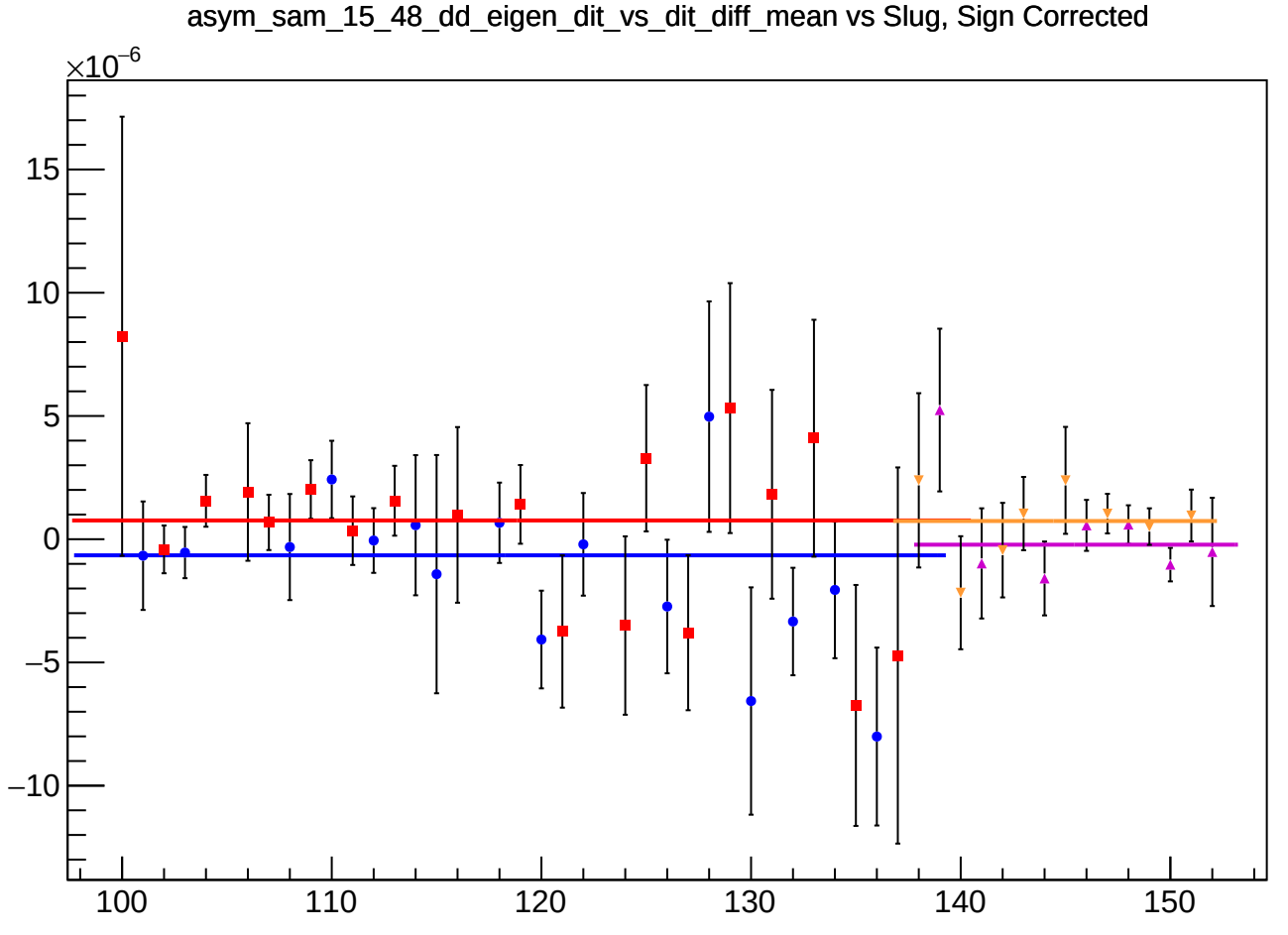
Left: 28.005+/-0.006 χ^2/NDF: 485871.1/14

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.834+/-0.005 χ^2/NDF:1801844.2/22

Out: 25.534+/-0.005 χ^2/NDF:1711922.2/26

All: 25.181+/-0.004 χ^2/NDF: 3522946.6/49



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:6.8/6

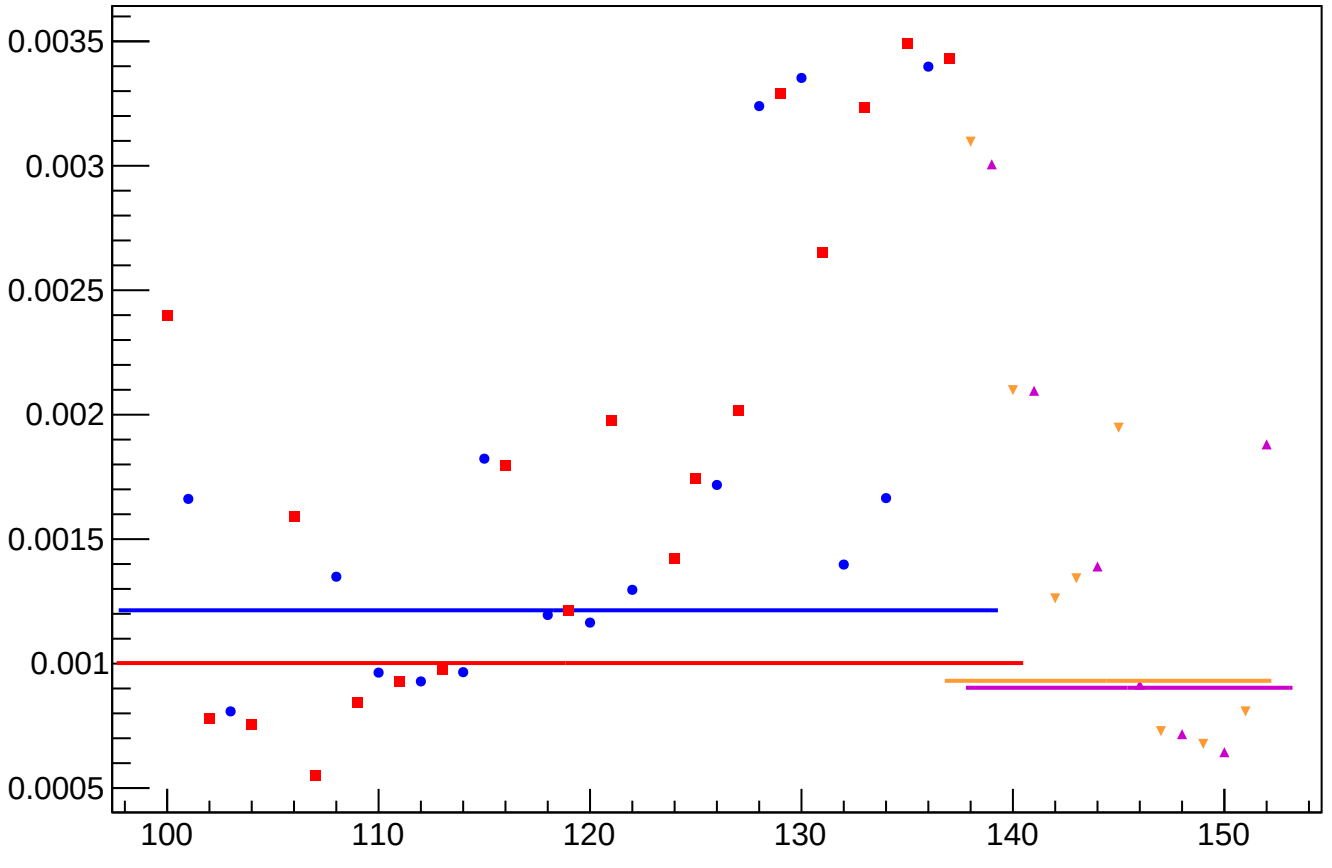
Left: 0.000+/-0.000 χ^2/NDF: 12.5/14

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:24.8/22

Out: 0.000+/-0.000 χ^2/NDF:18.3/26

All: 0.000+/-0.000 χ^2/NDF: 49.9/49



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:2392614.9/6

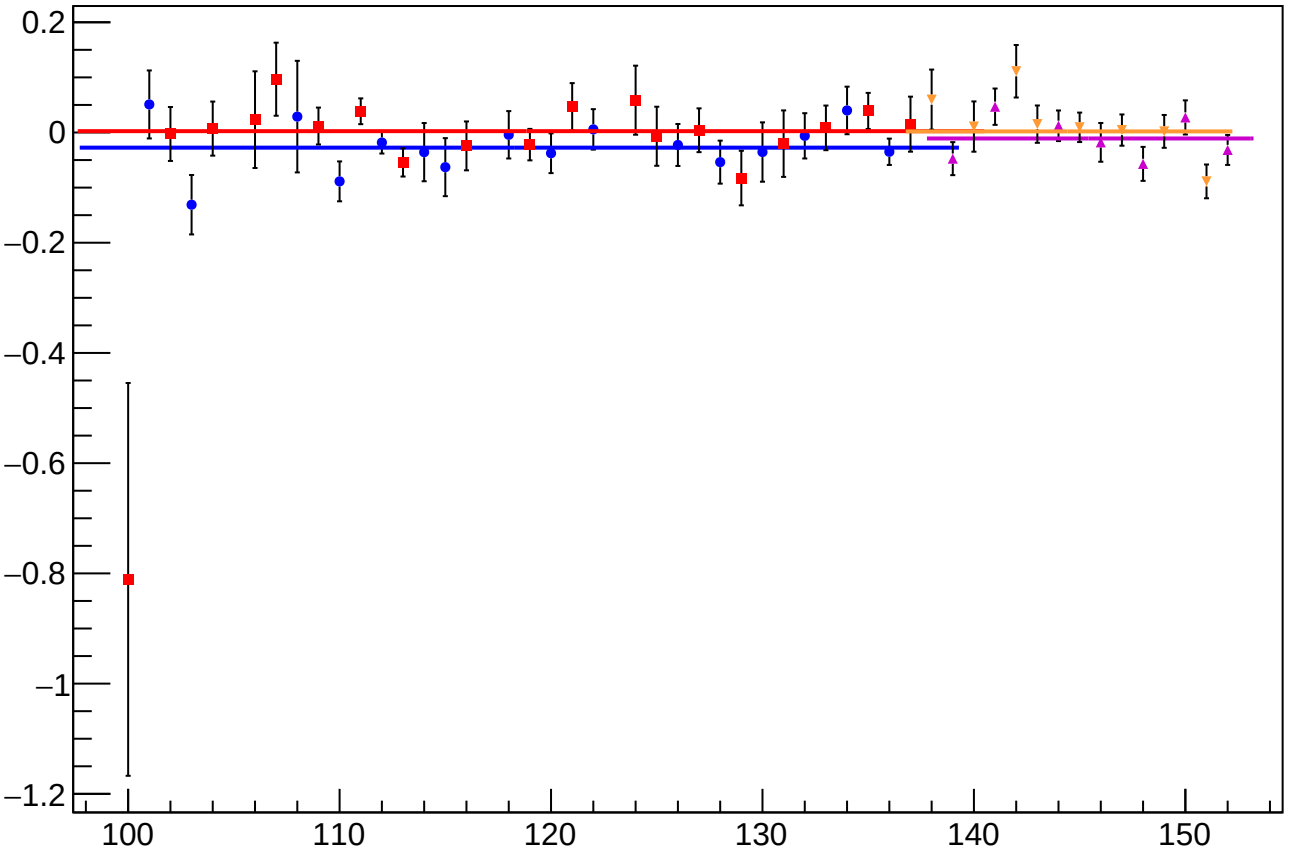
Left: 0.001+/-0.000 χ^2/NDF: 4706648.5/14

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:5114799.7/22

Out: 0.001+/-0.000 χ^2/NDF:5615252.3/26

All: 0.001+/-0.000 χ^2/NDF: 10773280.3/49



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: -0.011+/-0.011 χ^2/NDF:9.6/6

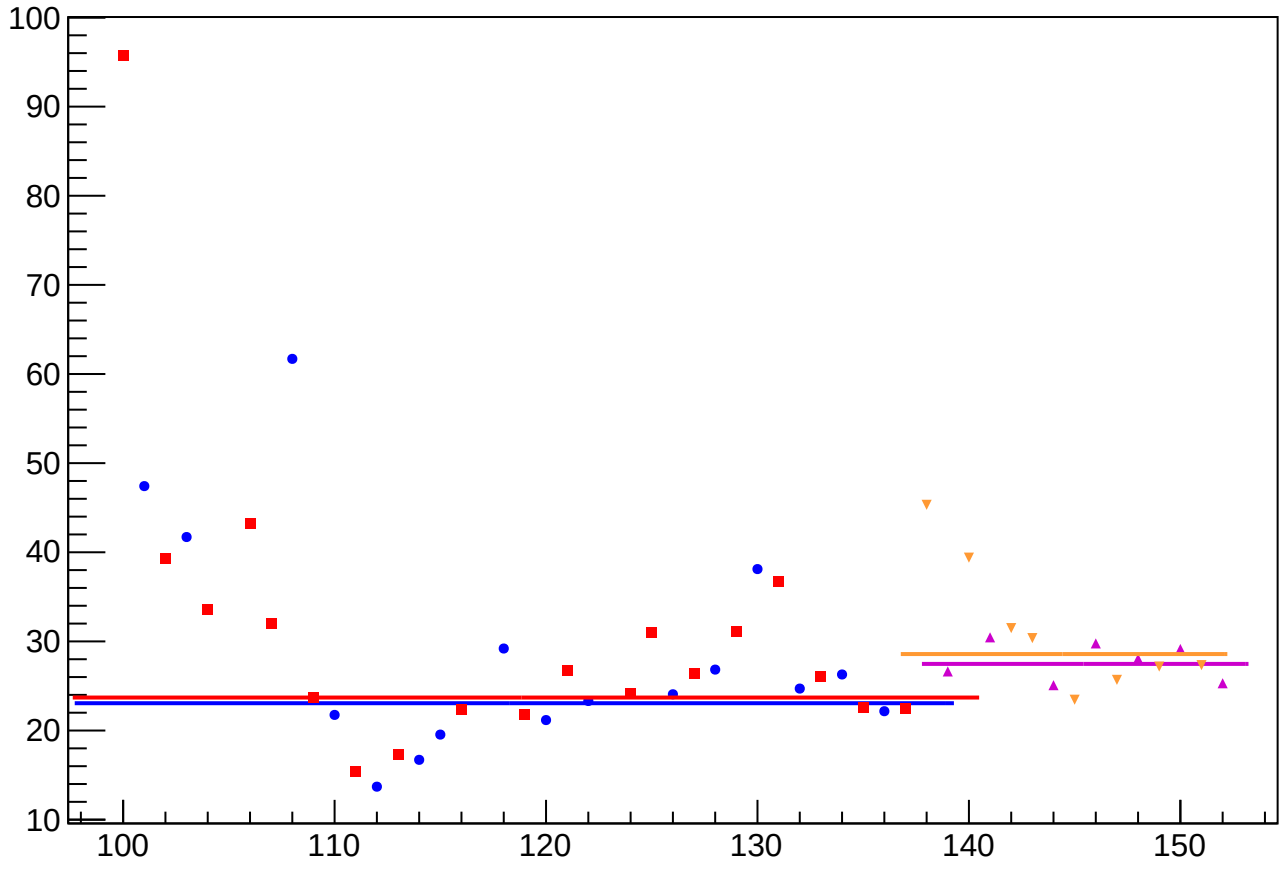
Left: -0.005+/-0.008 χ^2/NDF: 25.6/14

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.007 χ^2/NDF:24.5/22

Out: 0.002+/-0.007 χ^2/NDF:37.5/26

All: -0.009+/-0.005 χ^2/NDF: 67.0/49



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: 27.475+/-0.008 χ^2/NDF:60602.5/6

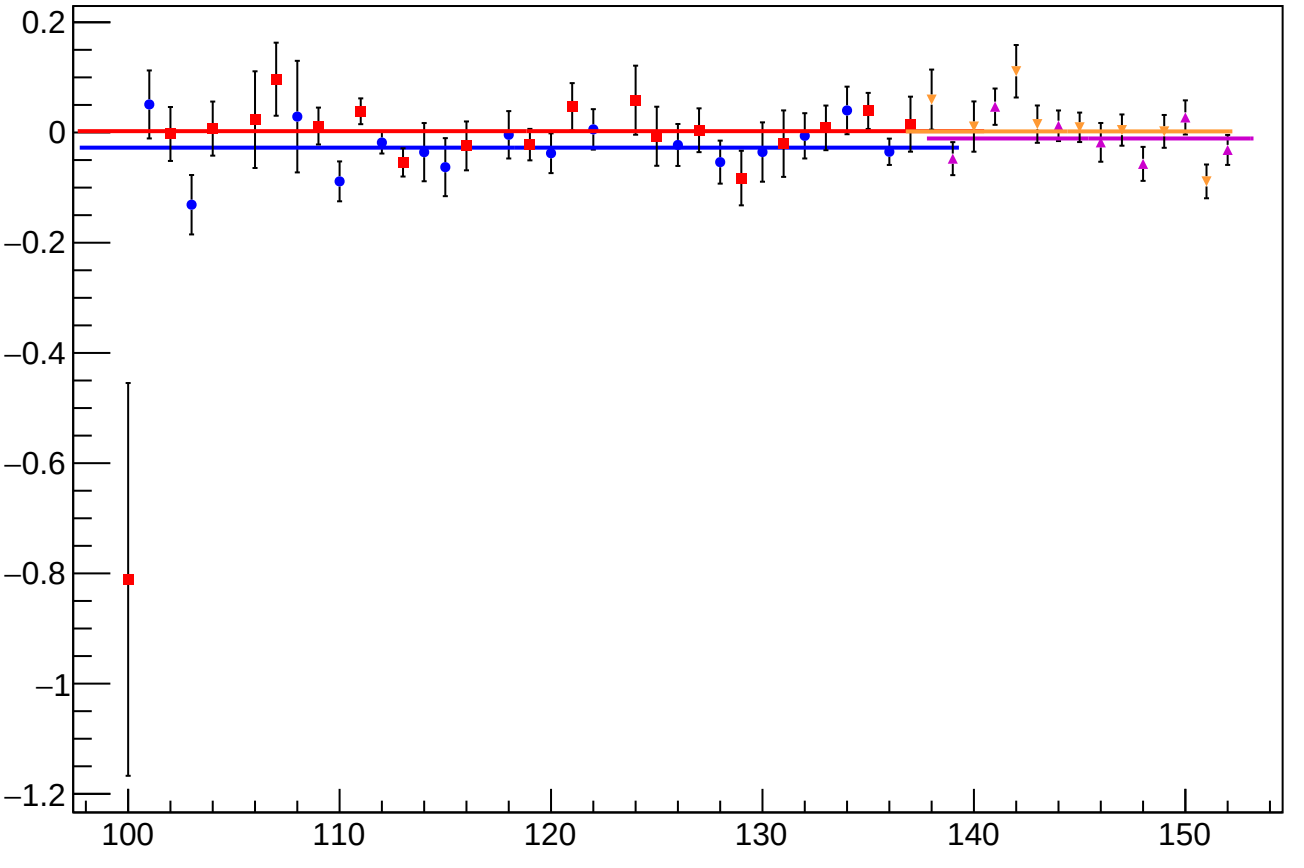
Left: 28.005+/-0.006 χ^2/NDF: 485826.0/14

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.834+/-0.005 χ^2/NDF:1801875.4/22

Out: 25.534+/-0.005 χ^2/NDF:1711965.1/26

All: 25.181+/-0.004 χ^2/NDF: 3523021.3/49



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: -0.011+/-0.011 χ^2/NDF:9.6/6

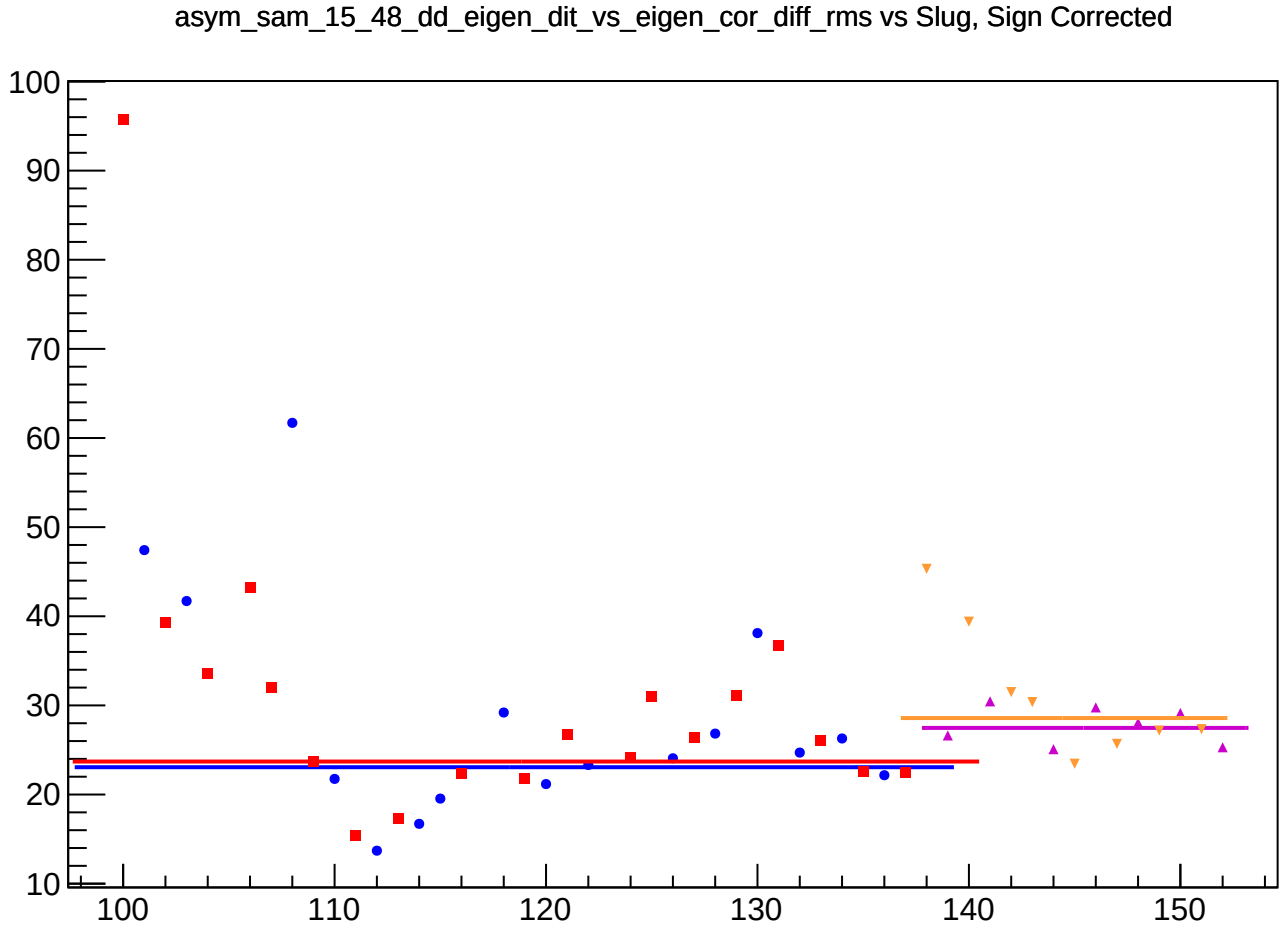
Left: -0.005+/-0.008 χ^2/NDF: 25.6/14

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.007 χ^2/NDF:24.5/22

Out: 0.002+/-0.007 χ^2/NDF:37.5/26

All: -0.009+/-0.005 χ^2/NDF: 67.0/49



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: 27.475+/-0.008 χ^2/NDF:60602.5/6

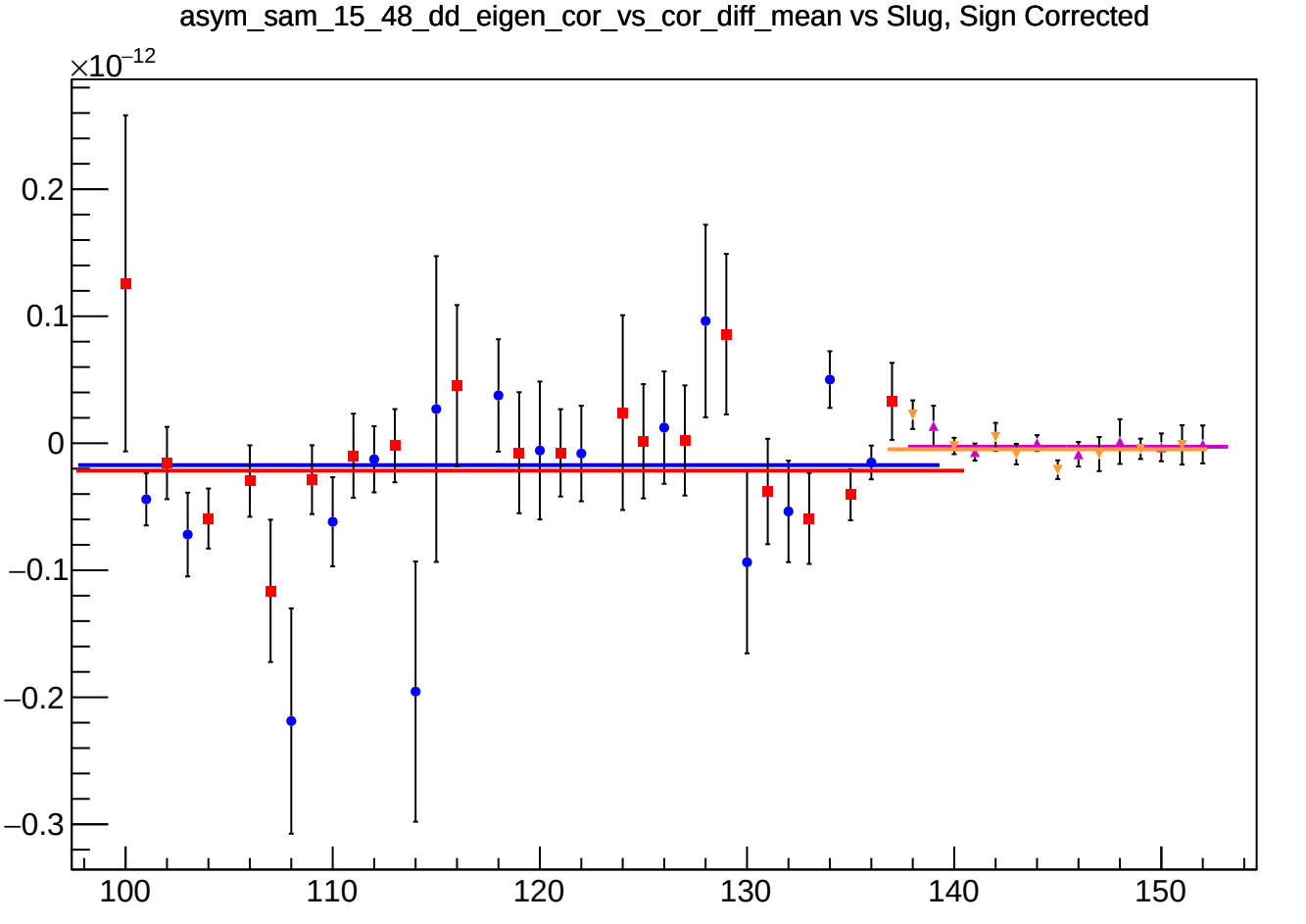
Left: 28.005+/-0.006 χ^2/NDF: 485826.0/14

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.834+/-0.005 χ^2/NDF:1801875.4/22

Out: 25.534+/-0.005 χ^2/NDF:1711965.1/26

All: 25.181+/-0.004 χ^2/NDF: 3523021.3/49



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/7

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/6

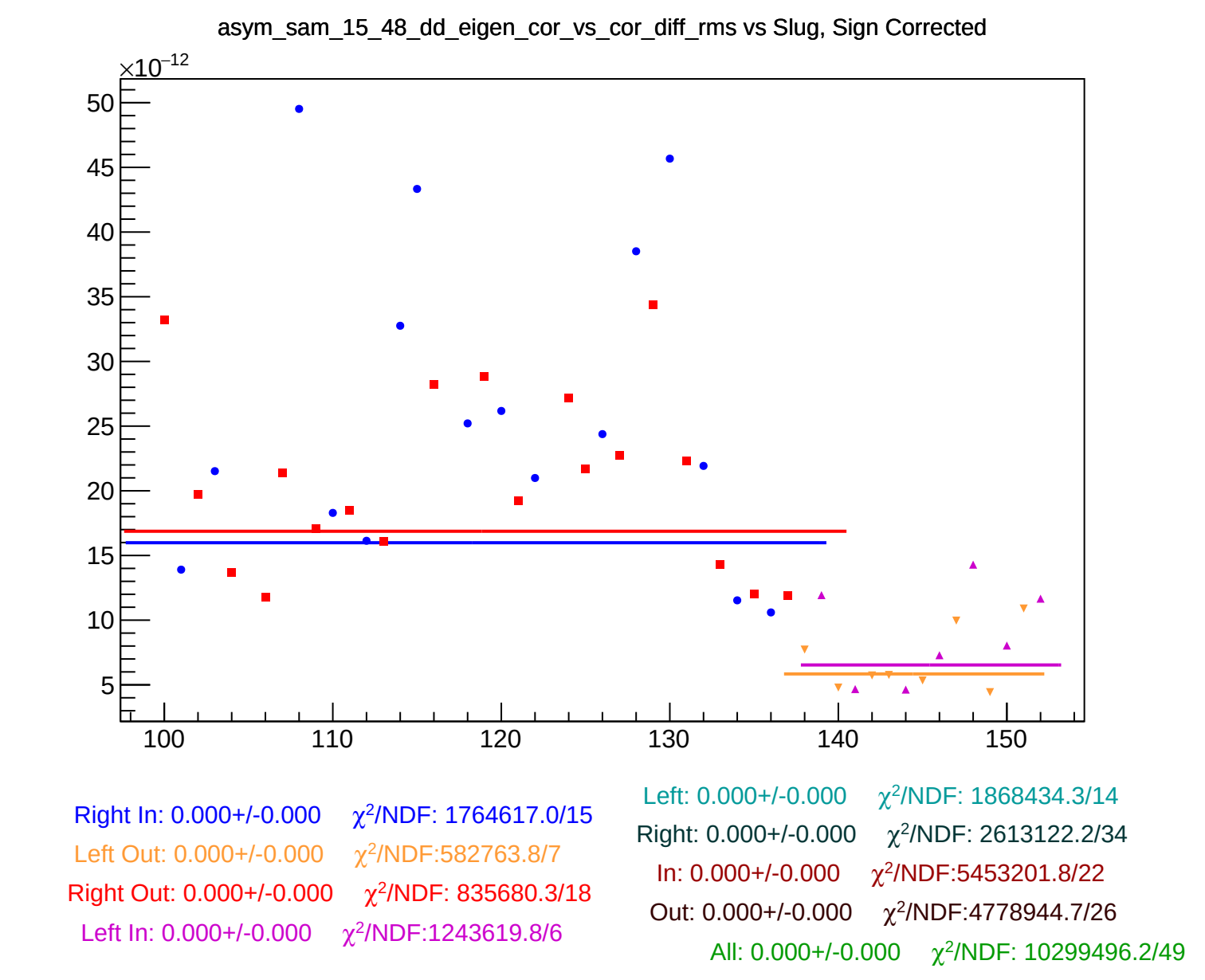
Left: -0.000+/-0.000 χ^2/NDF: 14.2/14

Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:34.8/22

Out: -0.000+/-0.000 χ^2/NDF:33.8/26

All: -0.000+/-0.000 χ^2/NDF: 68.8/49


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
45
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35
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25
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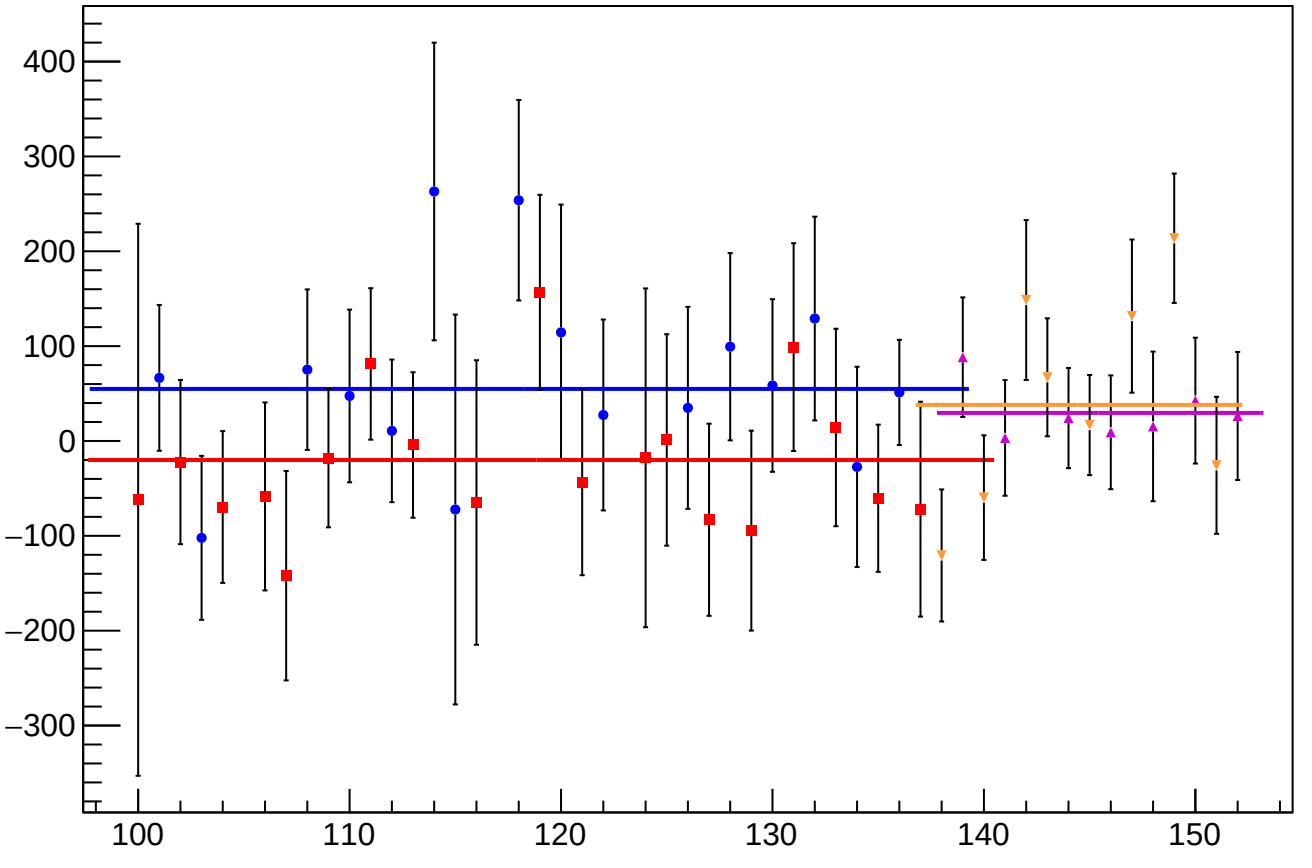
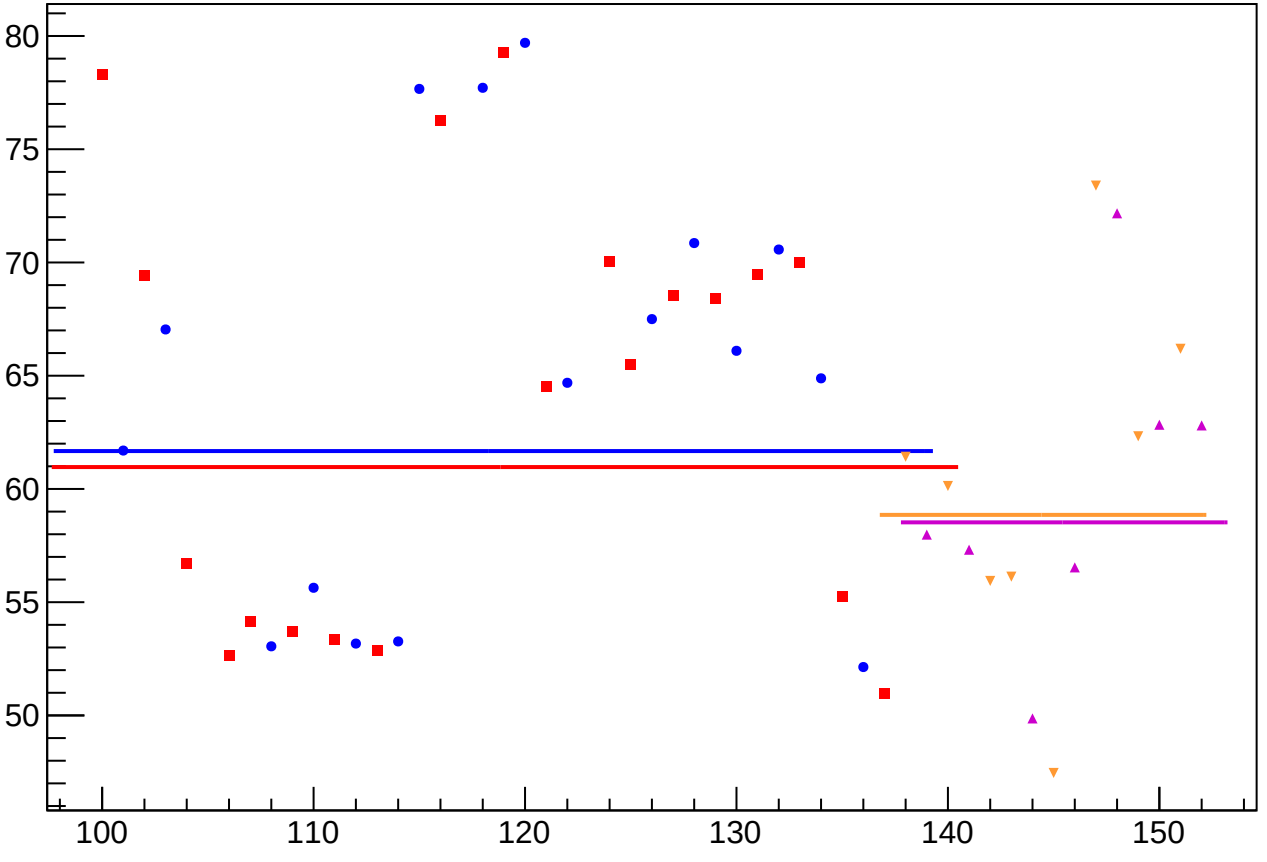
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:582763.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:1243619.8/6
Left: 0.000+/-0.000 χ²/NDF: 1868434.3/14
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:5453201.8/22
Out: 0.000+/-0.000 χ²/NDF:4778944.7/26
All: 0.000+/-0.000 χ²/NDF: 10299496.2/49


reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
Right In: 54.883+/-23.179 χ²/NDF: 11.0/15
Left Out: 38.036+/-23.859 χ²/NDF:18.3/7
Right Out: -20.020+/-22.571 χ²/NDF: 9.2/18
Left In: 29.596+/-23.811 χ²/NDF:1.3/6
Left: 33.808+/-16.854 χ²/NDF: 19.6/14
Right: 16.437+/-16.171 χ²/NDF: 25.6/34
In: 42.580+/-16.609 χ²/NDF:12.8/22
Out: 7.400+/-16.396 χ²/NDF:30.6/26
All: 24.763+/-11.668 χ²/NDF: 45.8/49

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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: 58.525+/-0.017 χ^2/NDF:133186.1/6

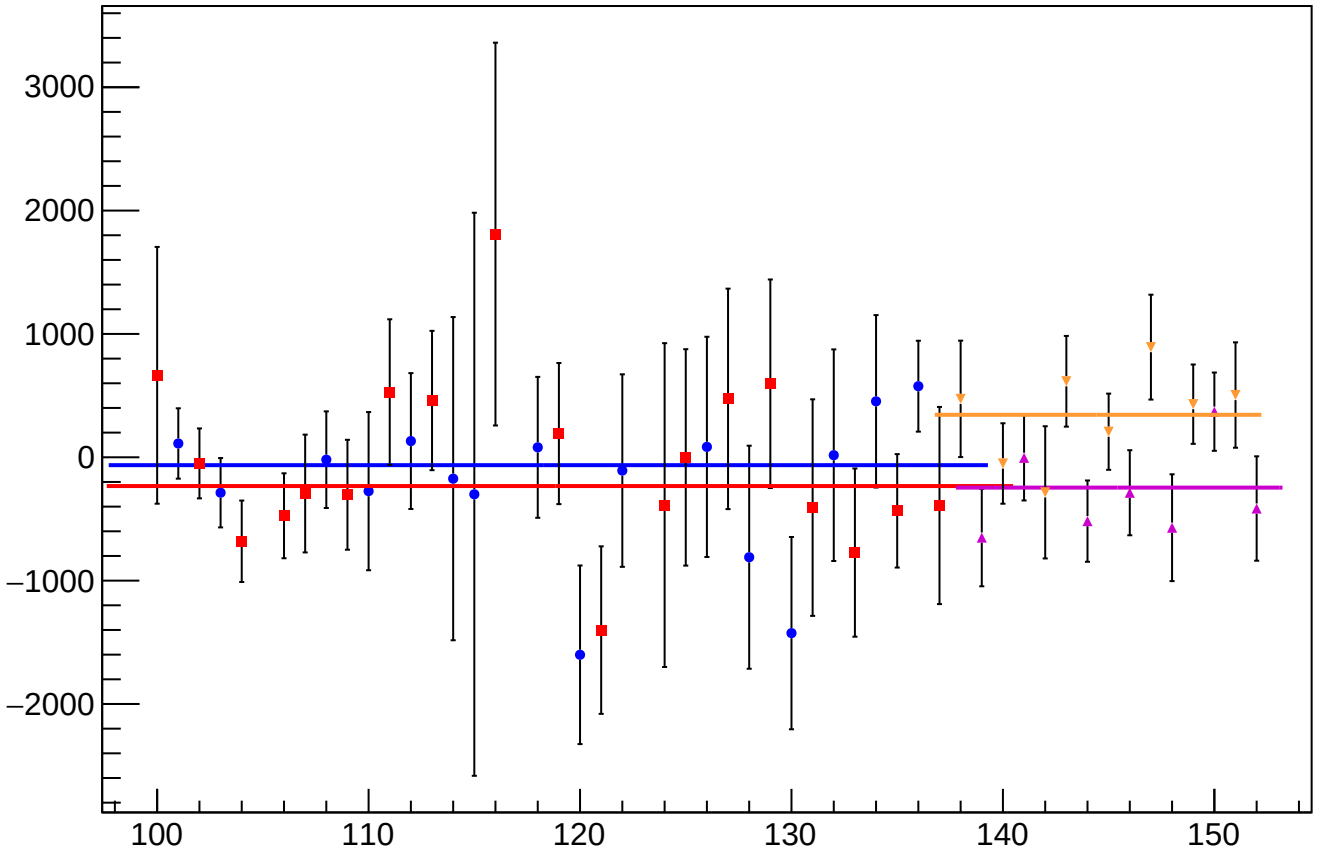
Left: 58.690+/-0.012 χ^2/NDF: 326977.6/14

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 60.141+/-0.012 χ^2/NDF:418243.3/22

Out: 59.969+/-0.012 χ^2/NDF:486046.1/26

All: 60.054+/-0.008 χ^2/NDF: 904397.9/49



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: -245.803+/-137.024 χ^2/NDF:6.7/6

Left: 56.502+/-95.699 χ^2/NDF: 21.8/14

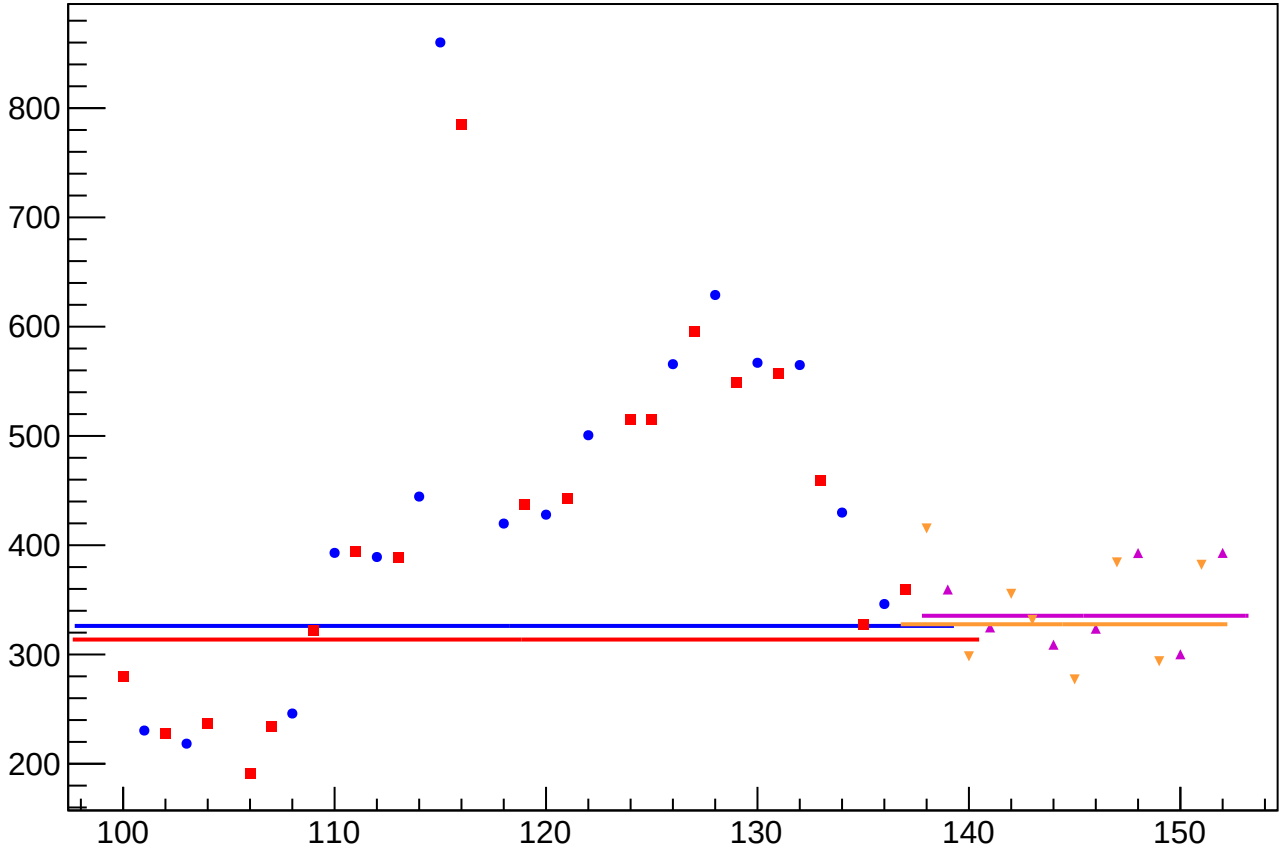
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -149.808+/-94.185 χ^2/NDF:20.8/22

Out: 31.035+/-90.442 χ^2/NDF:30.2/26

All: -55.722+/-65.235 χ^2/NDF: 52.9/49

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: 335.437+/-0.097 χ^2/NDF:121438.3/6

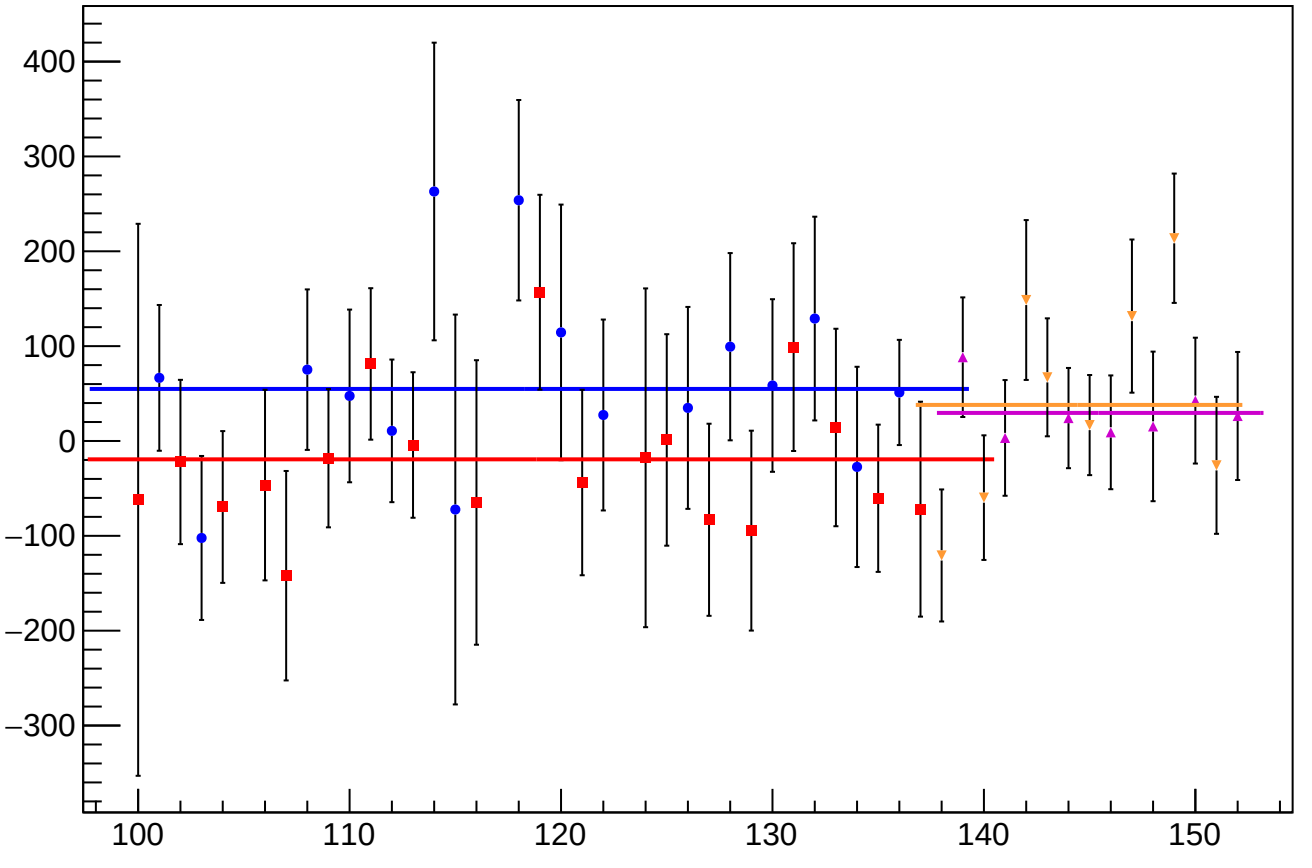
Left: 331.453+/-0.068 χ^2/NDF: 359040.6/14

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 330.536+/-0.067 χ^2/NDF:1860282.9/22

Out: 320.071+/-0.064 χ^2/NDF:2033523.4/26

All: 325.092+/-0.046 χ^2/NDF: 3906652.0/49



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: 29.594+/-23.811 χ^2/NDF:1.3/6

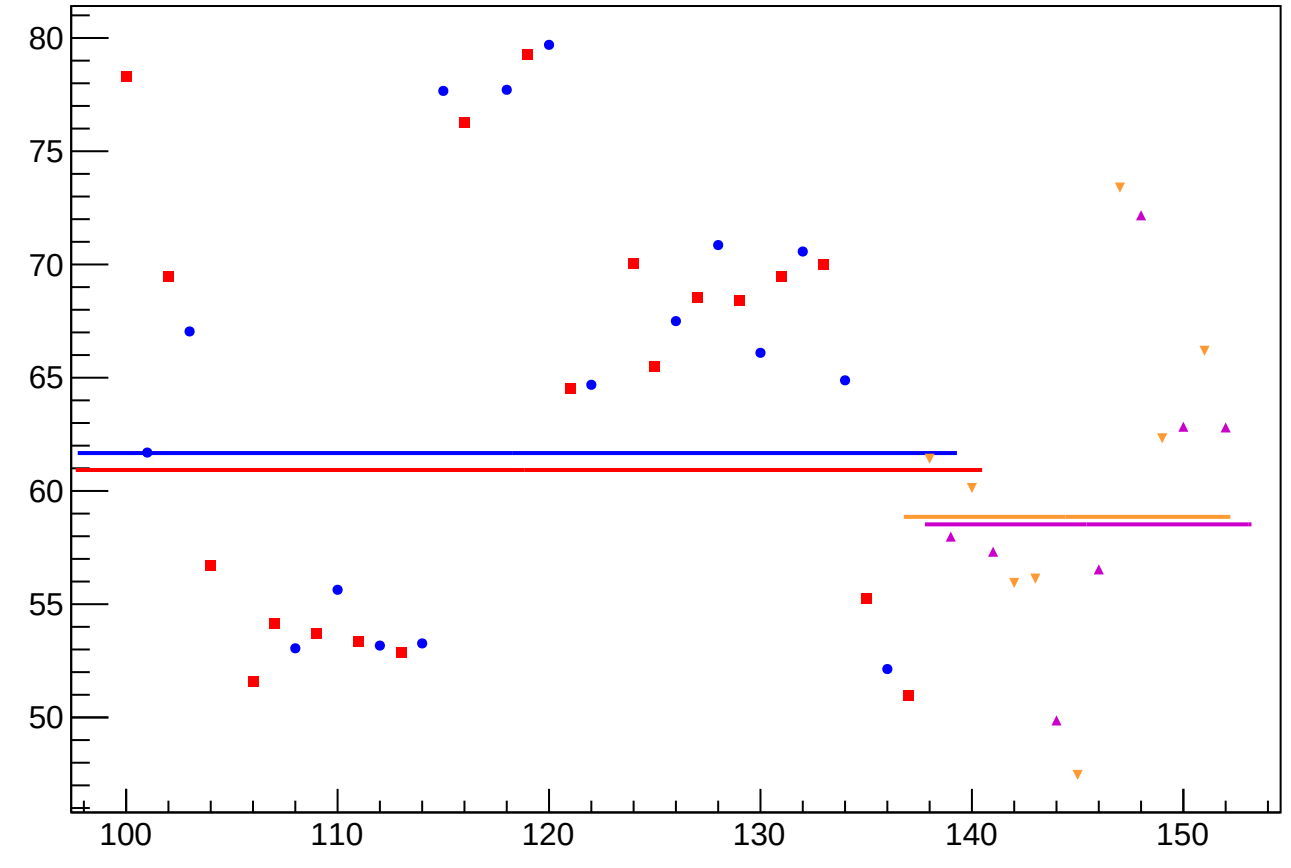
Left: 33.804+/-16.854 χ^2/NDF: 19.6/14

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 42.575+/-16.609 χ^2/NDF:12.9/22

Out: 7.771+/-16.403 χ^2/NDF:30.5/26

All: 24.956+/-11.671 χ^2/NDF: 45.6/49



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: 58.525+/-0.017 χ^2/NDF:133186.2/6

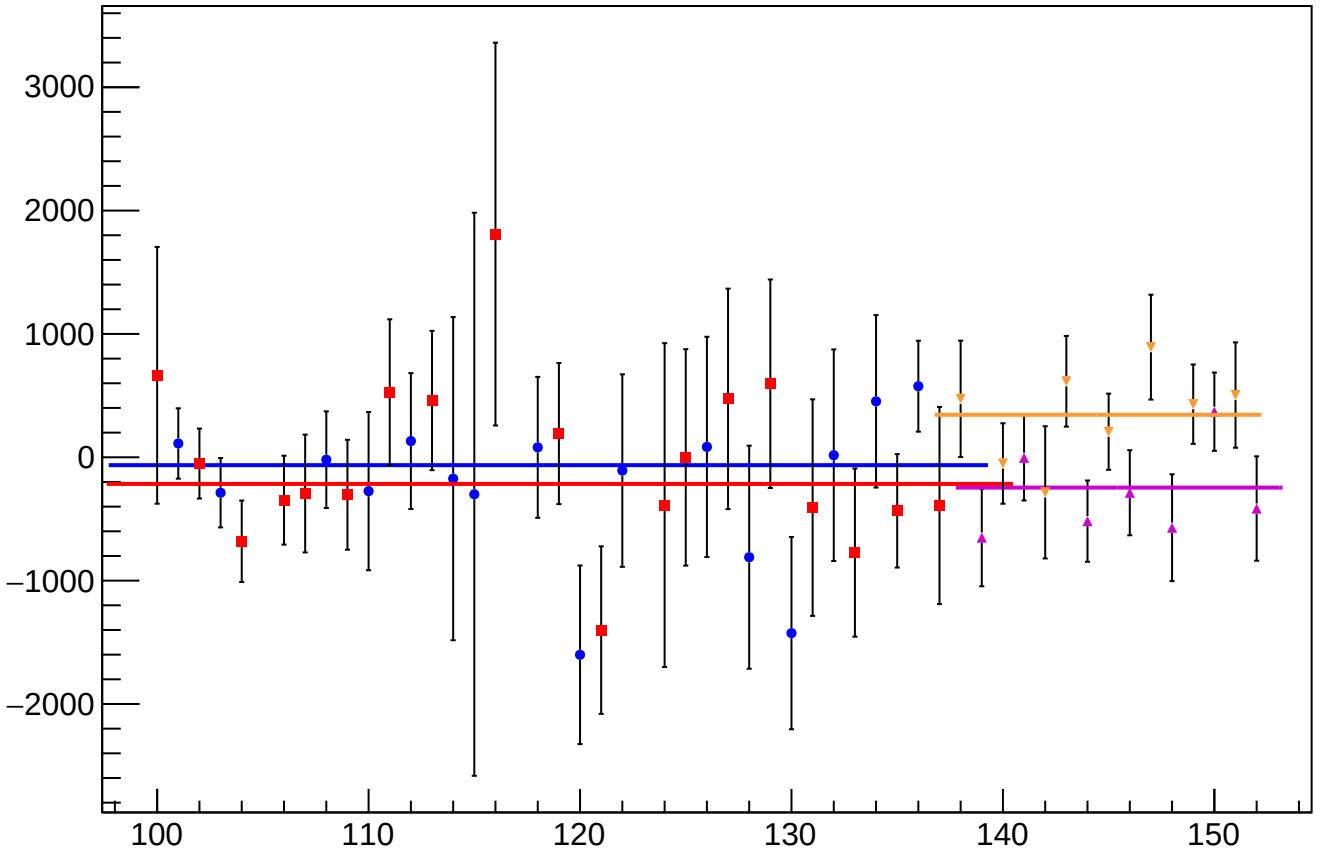
Left: 58.690+/-0.012 χ^2/NDF: 326977.6/14

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 60.141+/-0.012 χ^2/NDF:418243.6/22

Out: 59.947+/-0.012 χ^2/NDF:489120.5/26

All: 60.043+/-0.008 χ^2/NDF: 907502.4/49



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: -245.803+/-137.024 χ^2/NDF:6.7/6

Left: 56.502+/-95.699 χ^2/NDF: 21.8/14

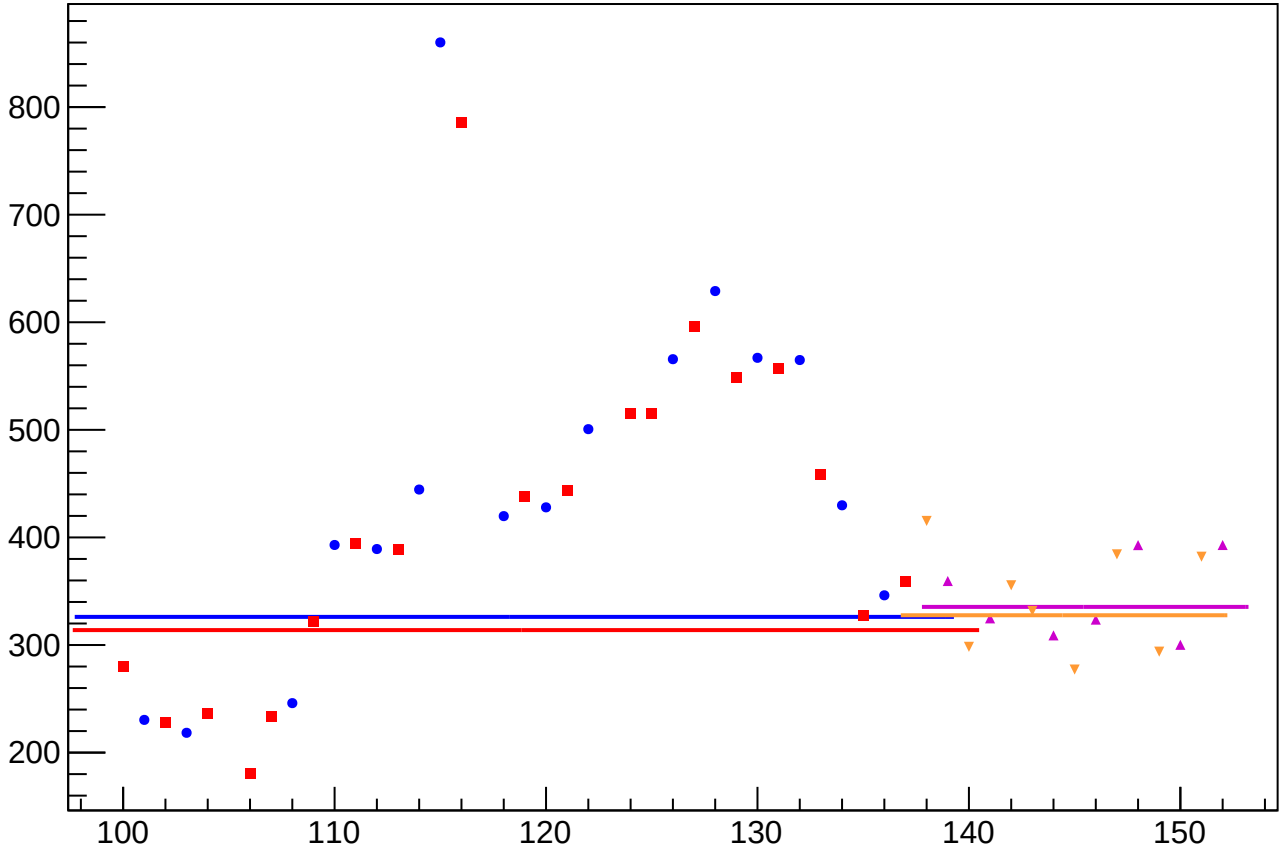
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -149.801+/-94.185 χ^2/NDF:20.8/22

Out: 42.000+/-90.721 χ^2/NDF:29.1/26

All: -50.309+/-65.340 χ^2/NDF: 52.1/49

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 327.660+/-0.095 χ^2/NDF:234303.0/7

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 335.437+/-0.097 χ^2/NDF:121437.2/6

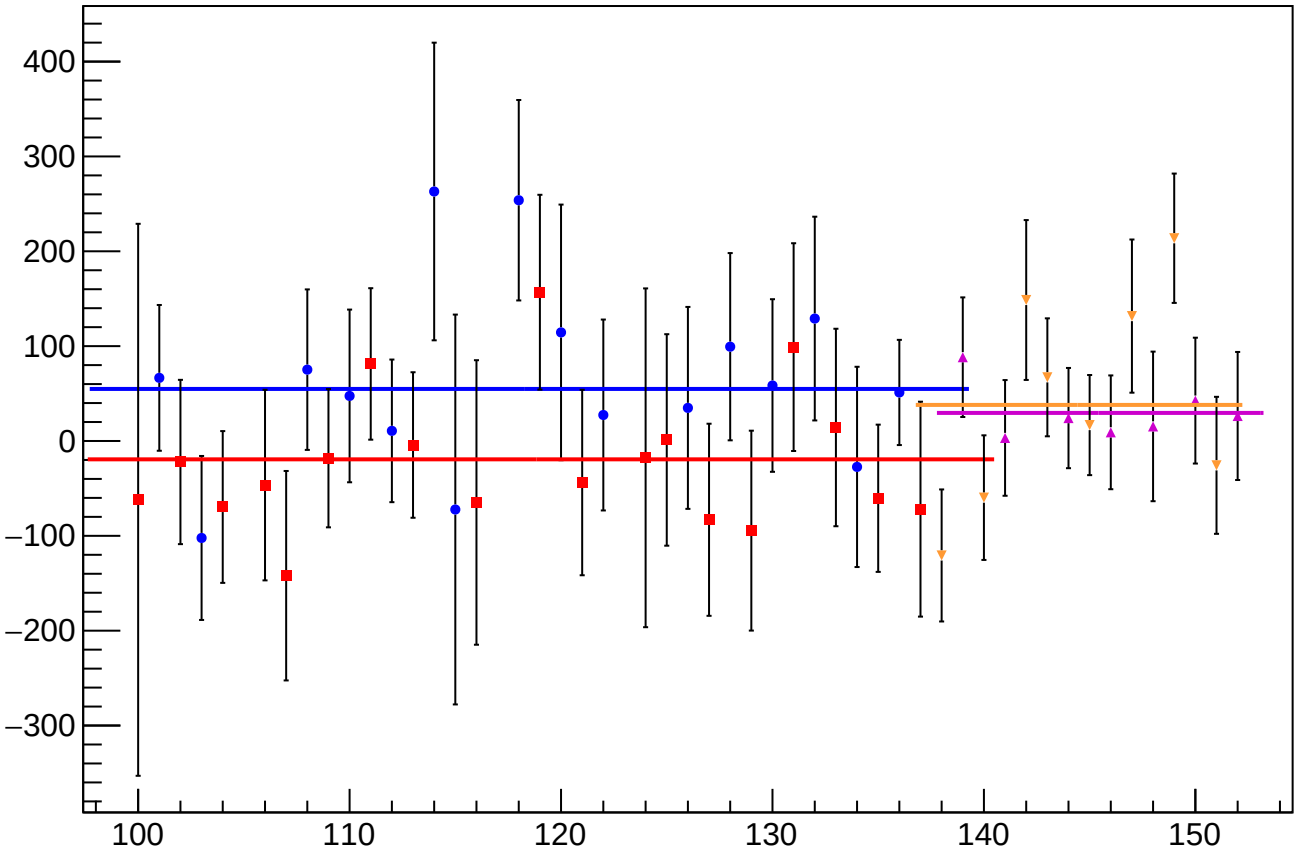
Left: 331.453+/-0.068 χ^2/NDF: 359040.1/14

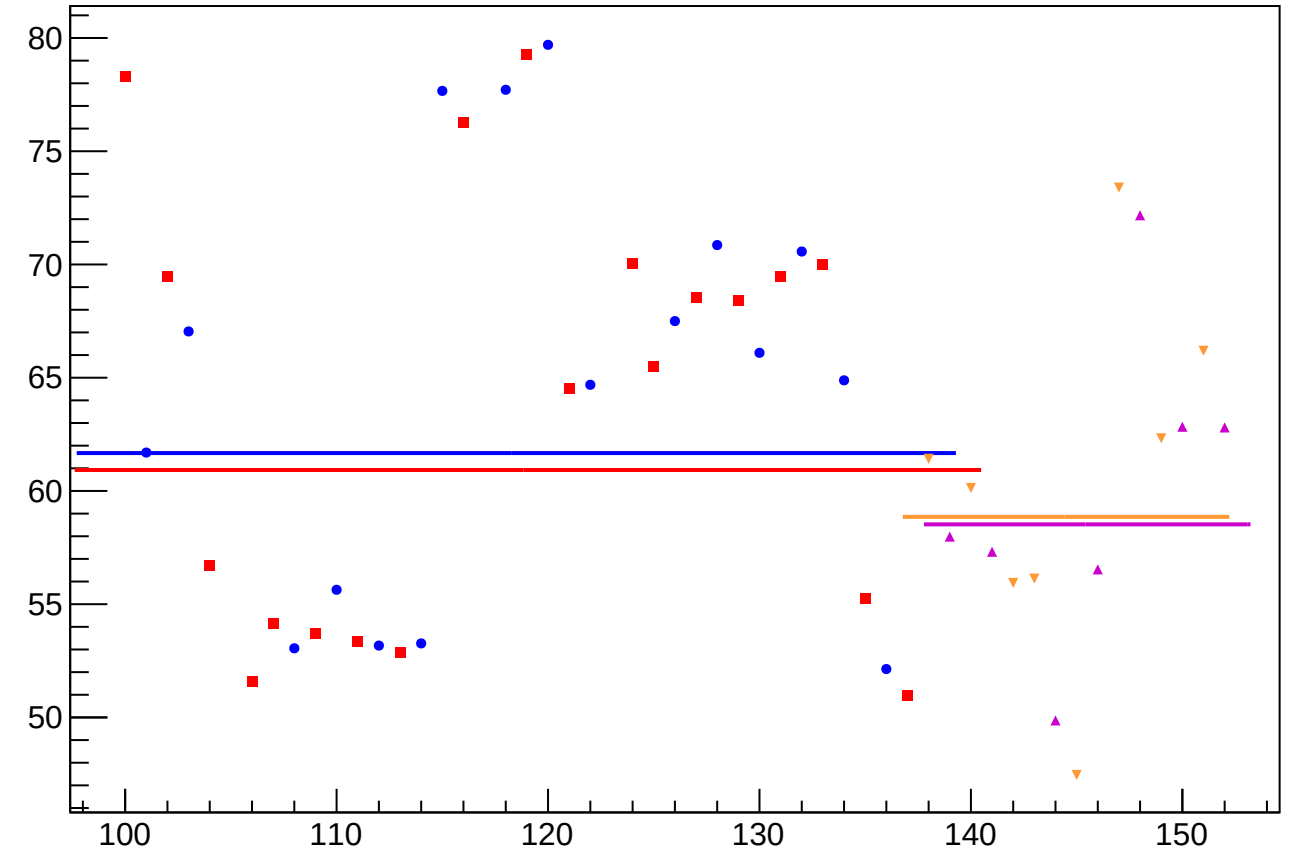
Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 330.538+/-0.067 χ^2/NDF:1860218.1/22

Out: 320.213+/-0.064 χ^2/NDF:2051577.6/26

All: 325.182+/-0.046 χ^2/NDF: 3924263.6/49


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
Right In: 54.877+/-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: 29.594+/-23.811 χ²/NDF:1.3/6
Left: 33.804+/-16.854 χ²/NDF: 19.6/14
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 42.575+/-16.609 χ²/NDF:12.9/22
Out: 7.771+/-16.403 χ²/NDF:30.5/26
All: 24.956+/-11.671 χ²/NDF: 45.6/49



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: 58.525+/-0.017 χ^2/NDF:133186.2/6

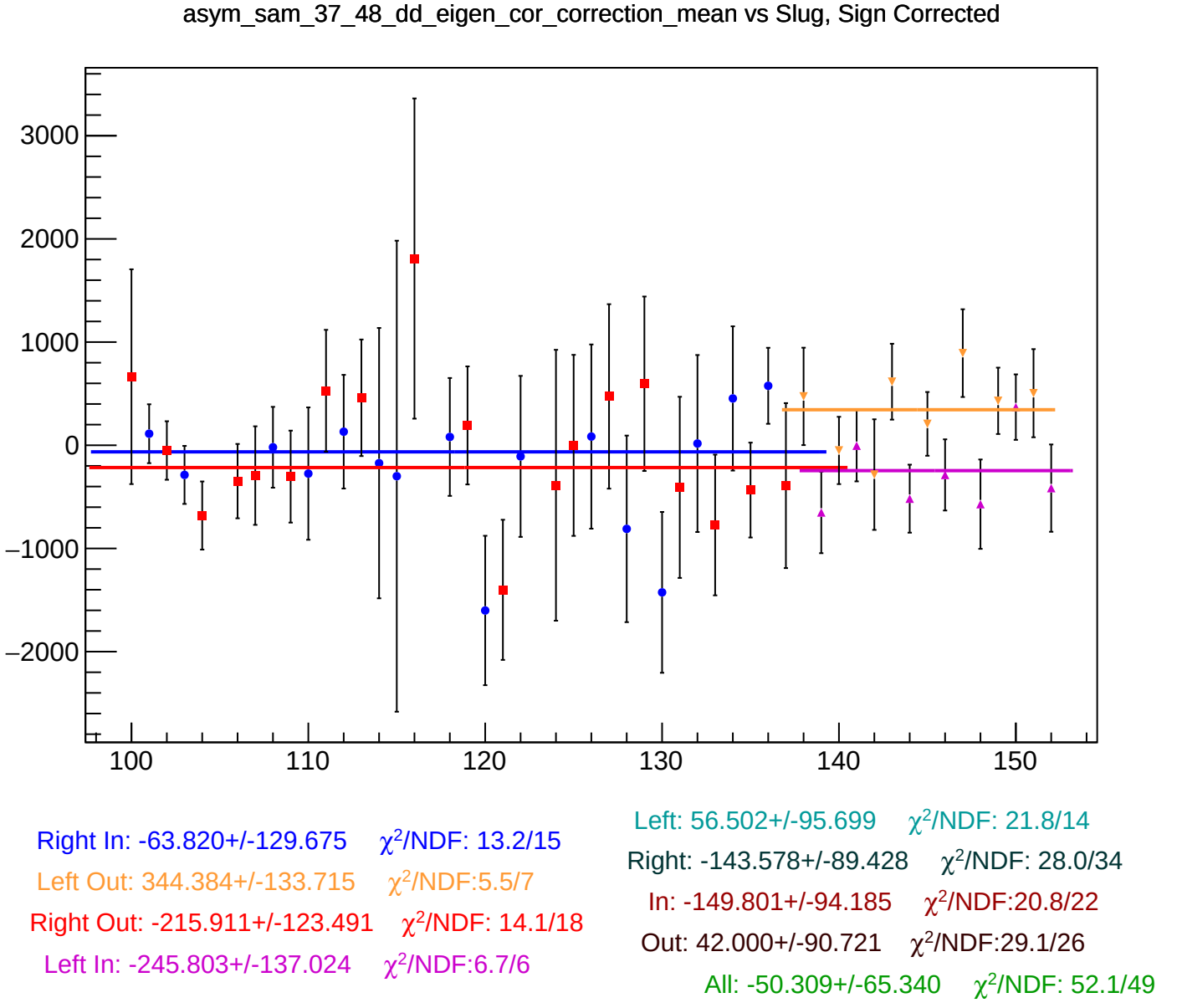
Left: 58.690+/-0.012 χ^2/NDF: 326977.6/14

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

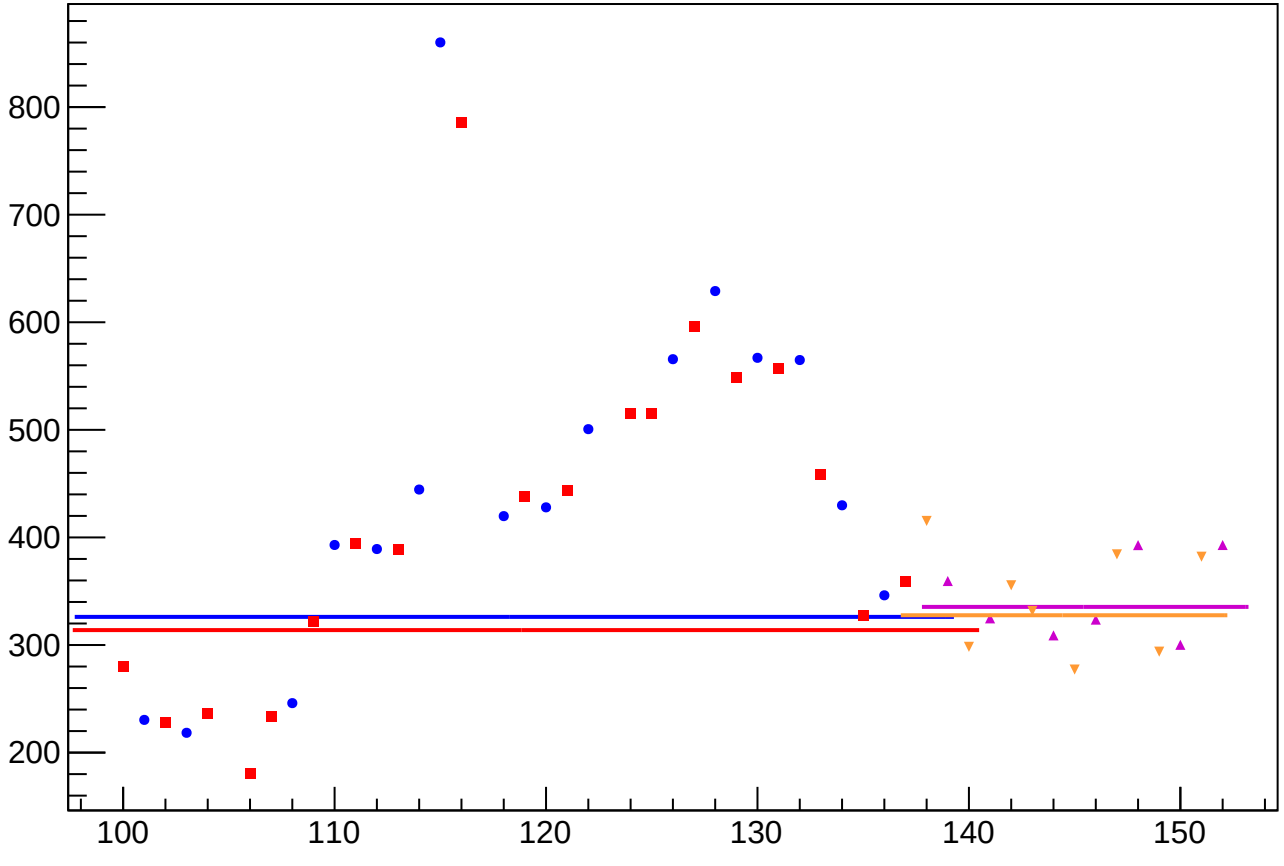
In: 60.141+/-0.012 χ^2/NDF:418243.6/22

Out: 59.947+/-0.012 χ^2/NDF:489120.5/26

All: 60.043+/-0.008 χ^2/NDF: 907502.4/49


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 344.384+/-133.715 χ²/NDF:5.5/7
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -245.803+/-137.024 χ²/NDF:6.7/6
Left: 56.502+/-95.699 χ²/NDF: 21.8/14
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -149.801+/-94.185 χ²/NDF:20.8/22
Out: 42.000+/-90.721 χ²/NDF:29.1/26
All: -50.309+/-65.340 χ²/NDF: 52.1/49

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: 335.437+/-0.097 χ^2/NDF:121437.2/6

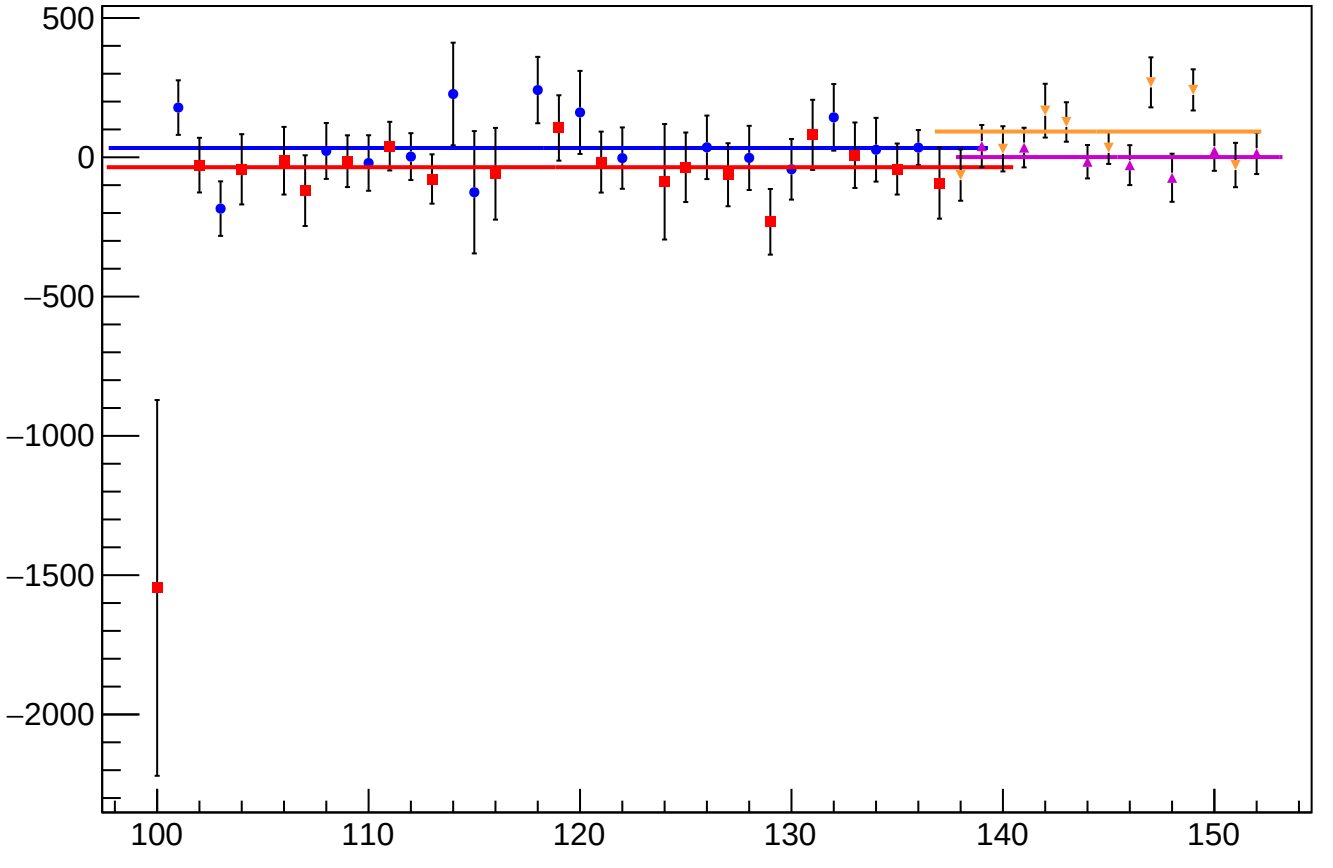
Left: 331.453+/-0.068 χ^2/NDF: 359040.1/14

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 330.538+/-0.067 χ^2/NDF:1860218.1/22

Out: 320.213+/-0.064 χ^2/NDF:2051577.6/26

All: 325.182+/-0.046 χ^2/NDF: 3924263.6/49



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: 0.789+/-27.107 χ^2/NDF:1.6/6

Left: 46.266+/-19.243 χ^2/NDF: 22.8/14

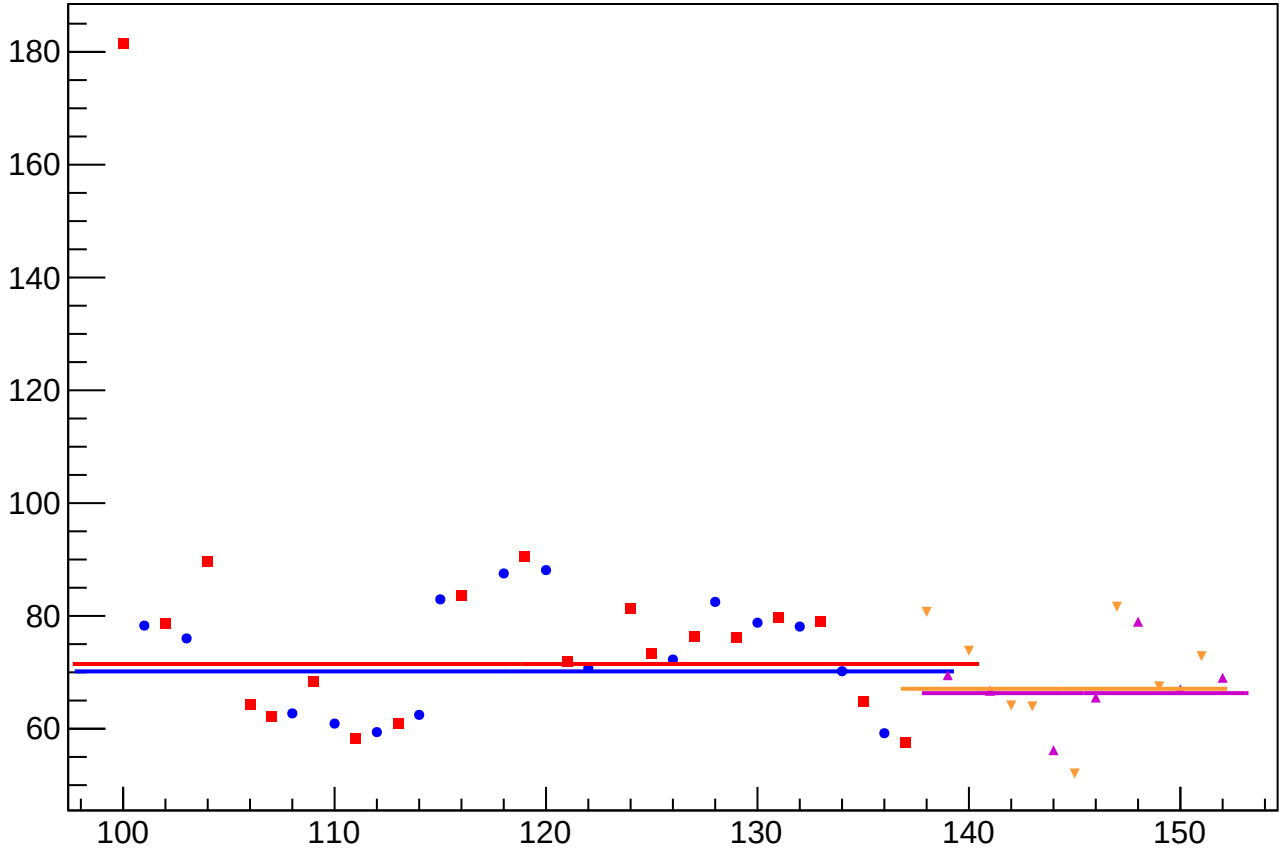
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 17.516+/-18.918 χ^2/NDF:16.9/22

Out: 26.578+/-19.035 χ^2/NDF:39.0/26

All: 22.019+/-13.418 χ^2/NDF: 56.0/49

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: 66.314+/-0.019 χ^2/NDF:106897.4/6

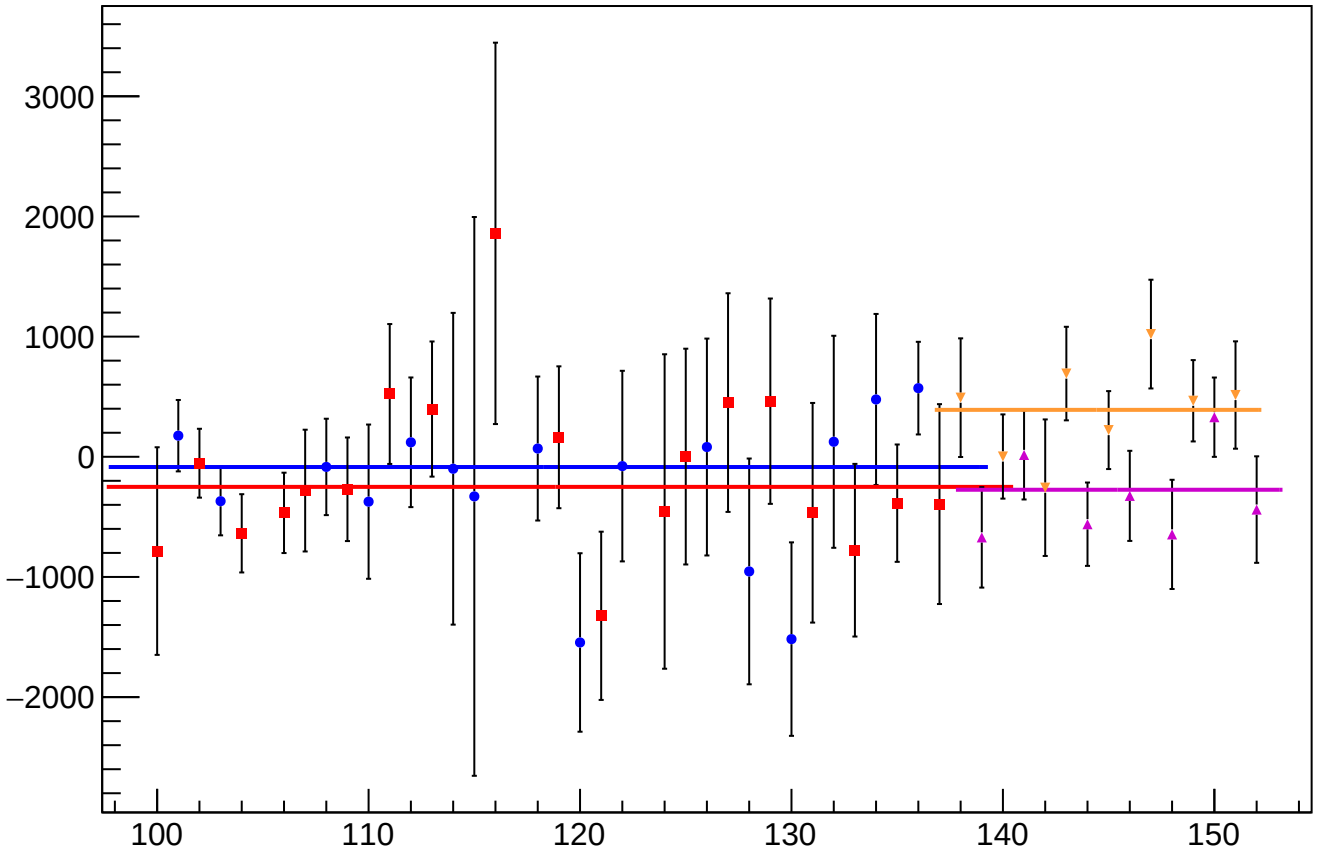
Left: 66.696+/-0.014 χ^2/NDF: 368862.1/14

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 68.291+/-0.013 χ^2/NDF:396872.6/22

Out: 69.347+/-0.013 χ^2/NDF:613582.2/26

All: 68.816+/-0.009 χ^2/NDF: 1013552.4/49



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: -274.388+/-145.026 χ^2/NDF:6.4/6

Left: 66.657+/-101.213 χ^2/NDF: 22.7/14

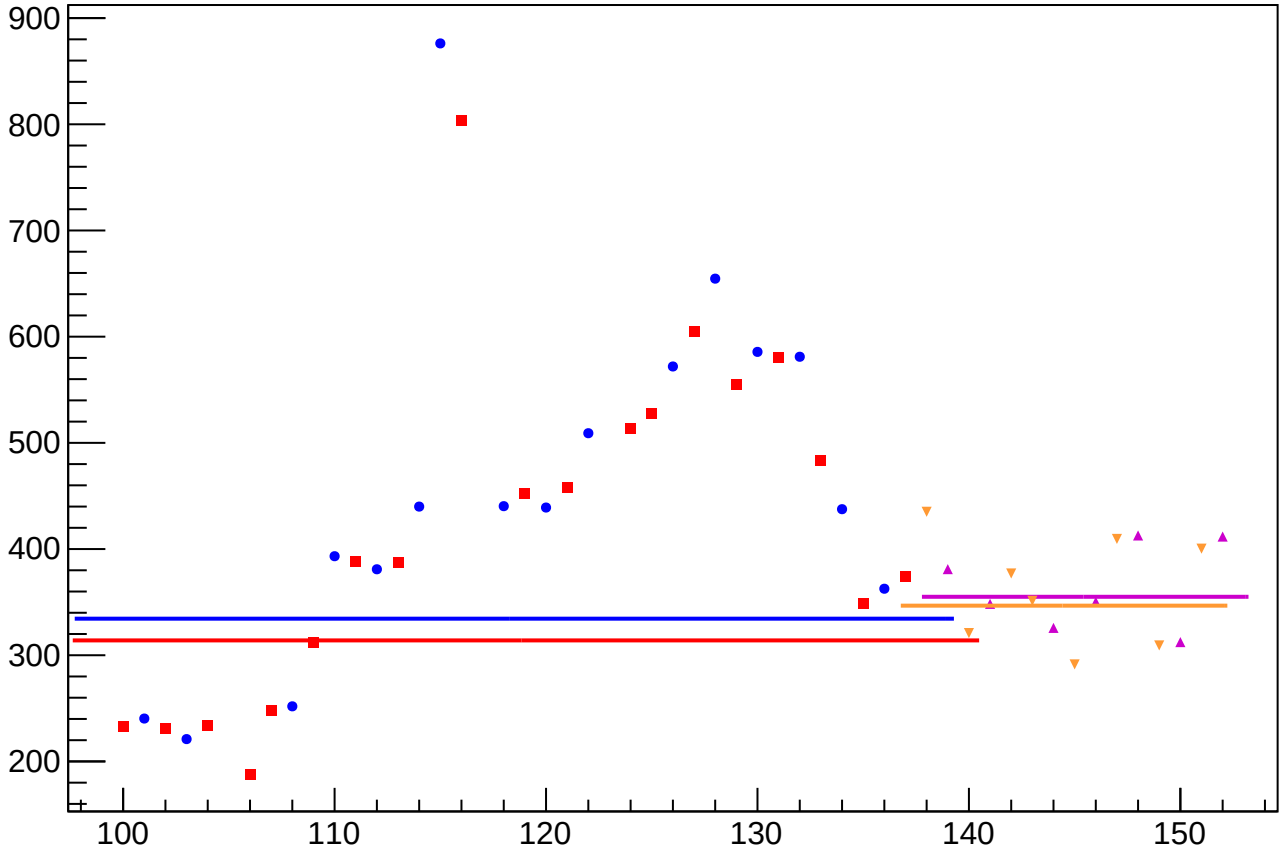
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -171.530+/-97.972 χ^2/NDF:21.0/22

Out: 26.587+/-92.908 χ^2/NDF:29.7/26

All: -67.220+/-67.415 χ^2/NDF: 52.8/49

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 346.692+/-0.100 χ^2/NDF:231069.9/7

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 355.048+/-0.103 χ^2/NDF:121469.1/6

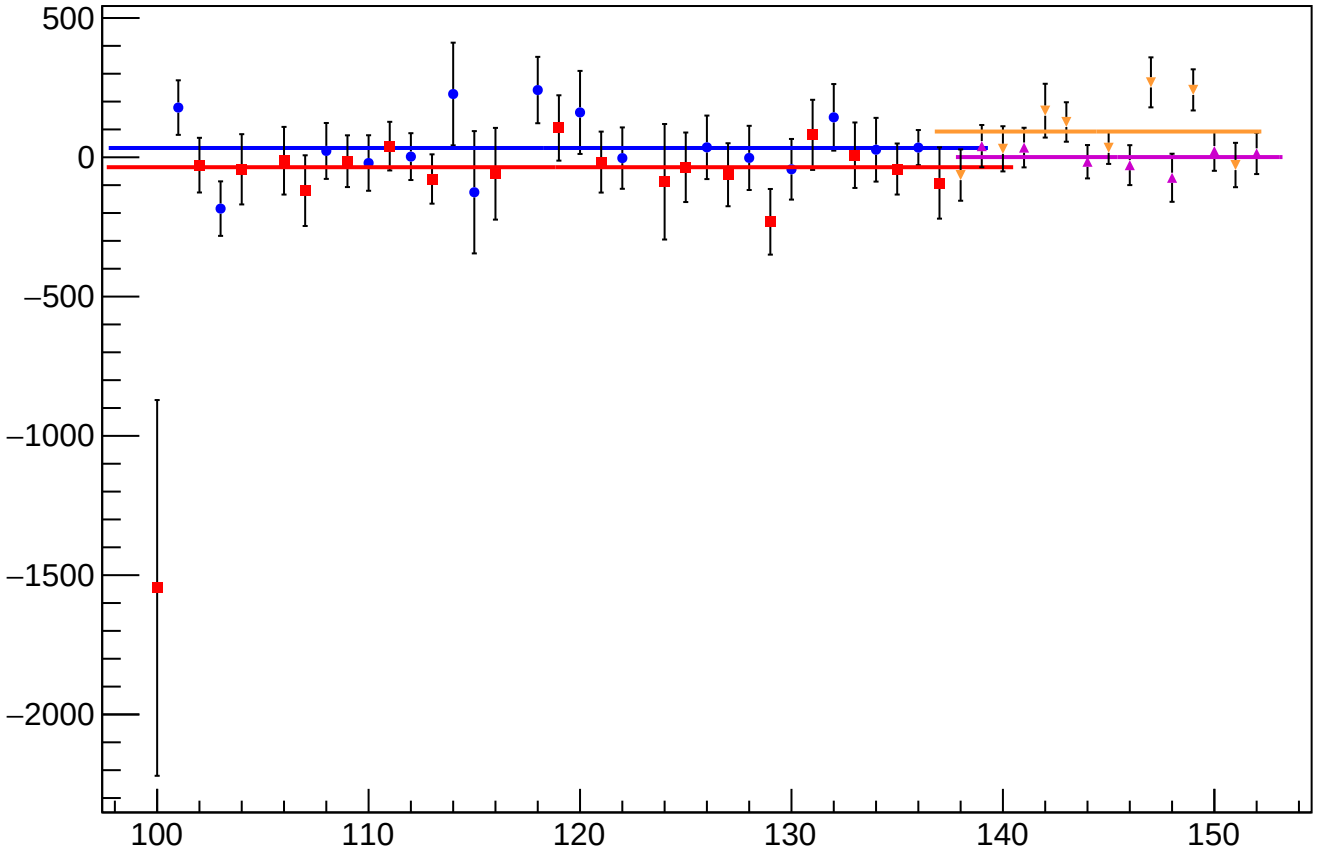
Left: 350.762+/-0.072 χ^2/NDF: 355944.4/14

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 343.840+/-0.069 χ^2/NDF:1874052.7/22

Out: 328.114+/-0.066 χ^2/NDF:2196554.5/26

All: 335.560+/-0.048 χ^2/NDF: 4097736.8/49



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: 0.789+/-27.107 χ^2/NDF:1.6/6

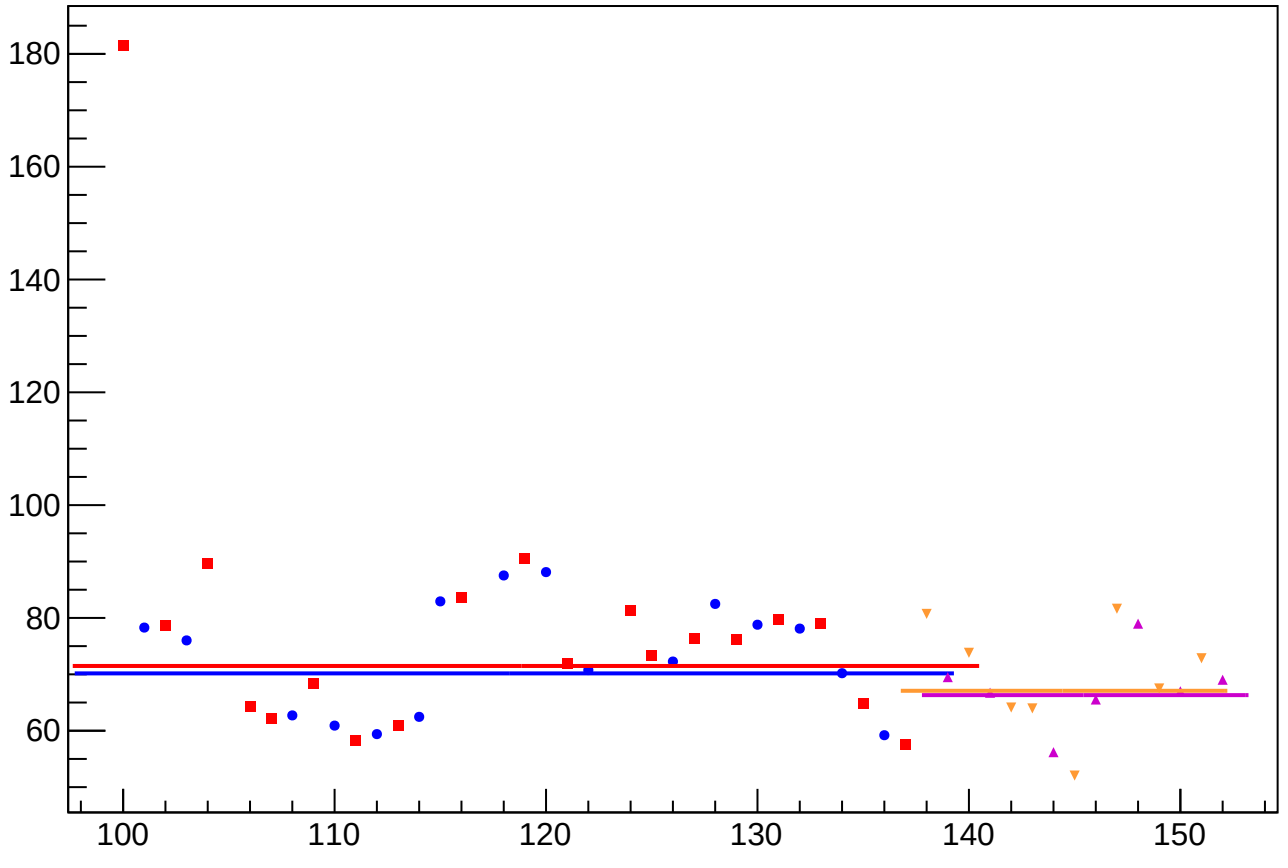
Left: 46.266+/-19.243 χ^2/NDF: 22.8/14

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 17.515+/-18.918 χ^2/NDF:16.9/22

Out: 26.577+/-19.035 χ^2/NDF:39.0/26

All: 22.018+/-13.418 χ^2/NDF: 56.0/49



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: 66.314+/-0.019 χ^2/NDF:106897.4/6

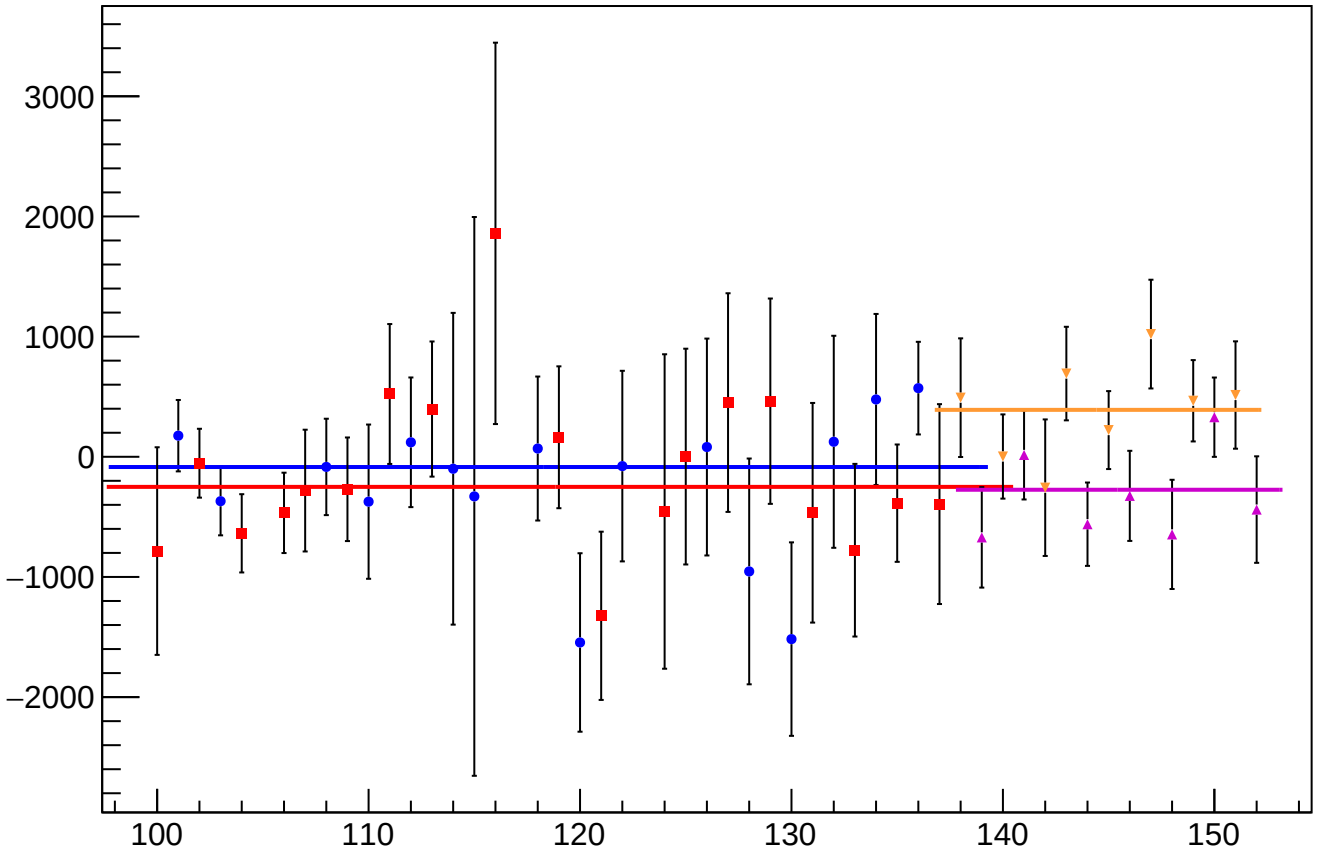
Left: 66.695+/-0.014 χ^2/NDF: 368865.4/14

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 68.291+/-0.013 χ^2/NDF:396877.2/22

Out: 69.347+/-0.013 χ^2/NDF:613594.2/26

All: 68.816+/-0.009 χ^2/NDF: 1013568.9/49



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: -274.388+/-145.026 χ^2/NDF:6.4/6

Left: 66.657+/-101.213 χ^2/NDF: 22.7/14

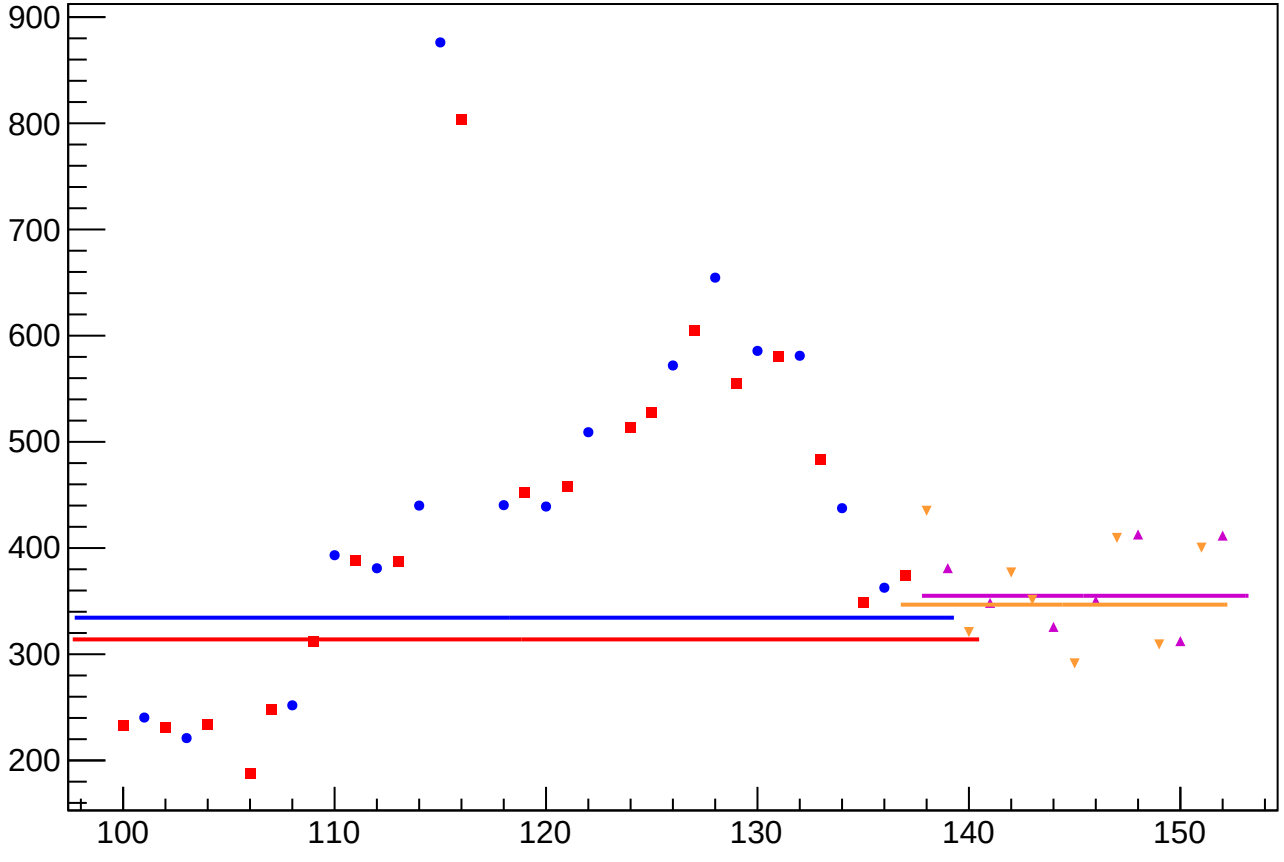
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -171.531+/-97.972 χ^2/NDF:21.0/22

Out: 26.587+/-92.908 χ^2/NDF:29.7/26

All: -67.220+/-67.415 χ^2/NDF: 52.8/49

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: 355.048+/-0.103 χ^2/NDF:121468.4/6

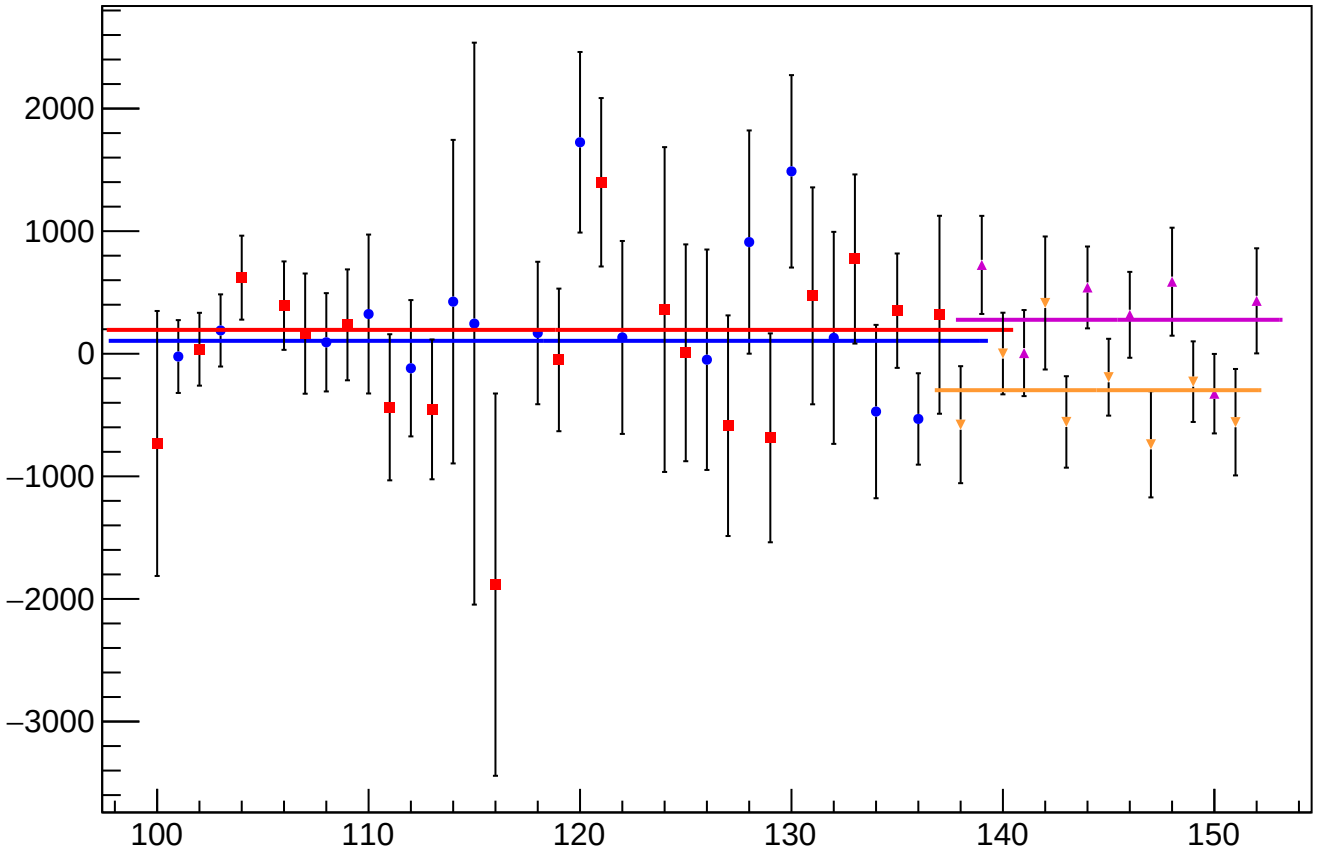
Left: 350.762+/-0.072 χ^2/NDF: 355945.6/14

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 343.840+/-0.069 χ^2/NDF:1874050.6/22

Out: 328.114+/-0.066 χ^2/NDF:2196553.7/26

All: 335.560+/-0.048 χ^2/NDF: 4097734.7/49



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: 277.069+/-139.220 χ^2/NDF:6.6/6

Left: -16.808+/-97.285 χ^2/NDF: 20.2/14

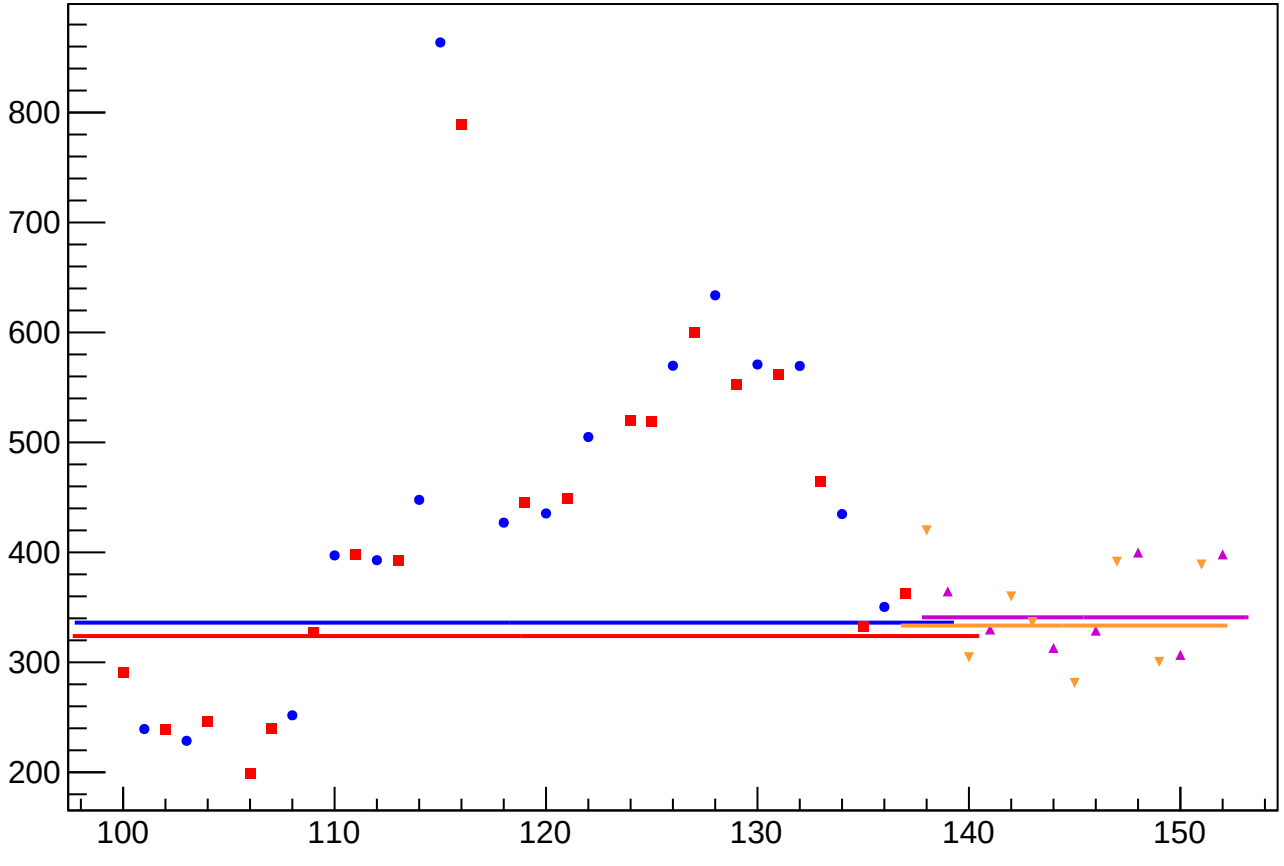
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 187.338+/-96.186 χ^2/NDF:20.3/22

Out: -32.903+/-92.507 χ^2/NDF:25.1/26

All: 72.925+/-66.675 χ^2/NDF: 48.1/49

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: 340.933+/-0.098 χ^2/NDF:118912.5/6

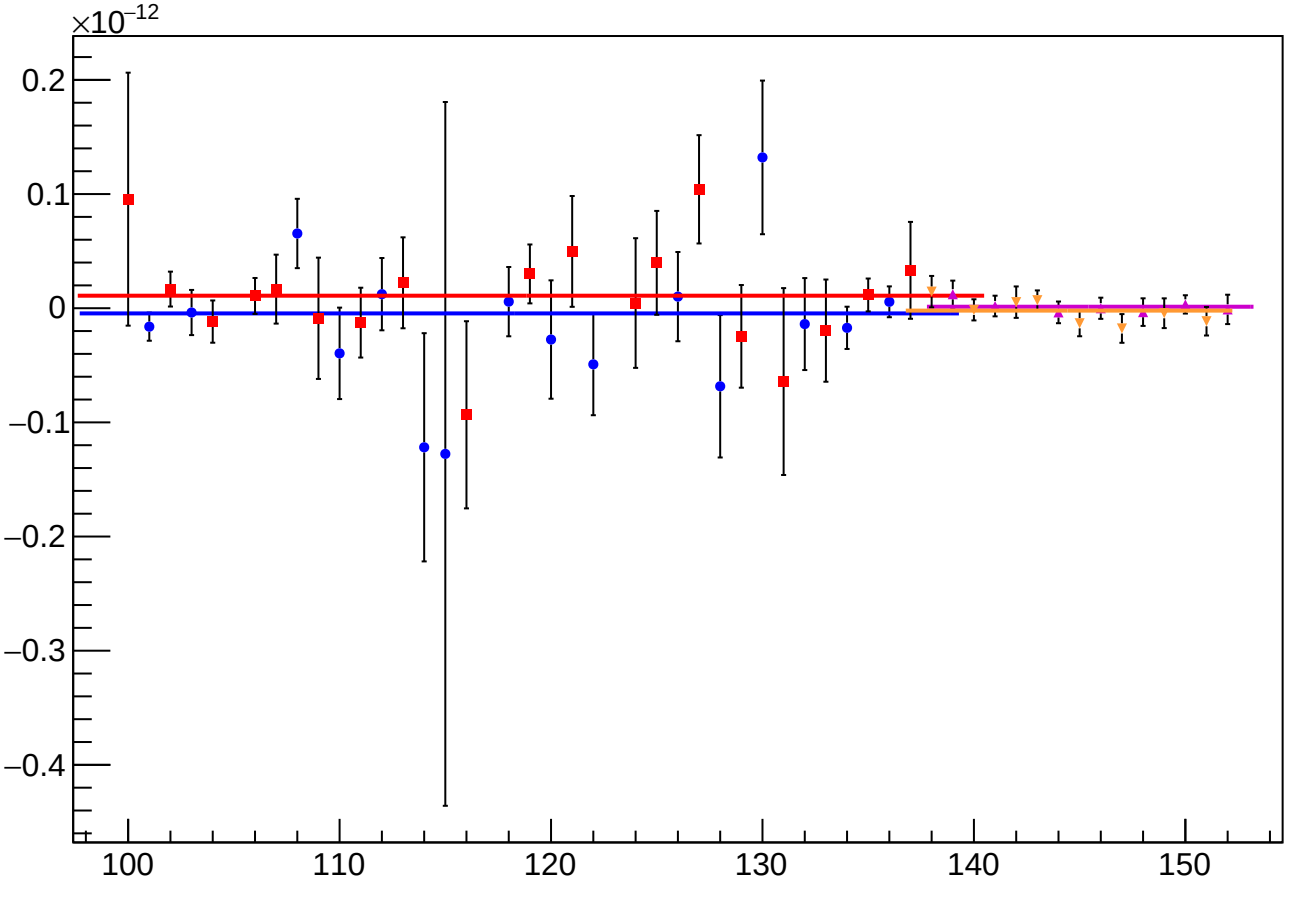
Left: 337.087+/-0.069 χ^2/NDF: 351875.4/14

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 338.403+/-0.068 χ^2/NDF:1739173.6/22

Out: 328.296+/-0.065 χ^2/NDF:1900680.8/26

All: 333.152+/-0.047 χ^2/NDF: 3651326.4/49



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:1.4/6

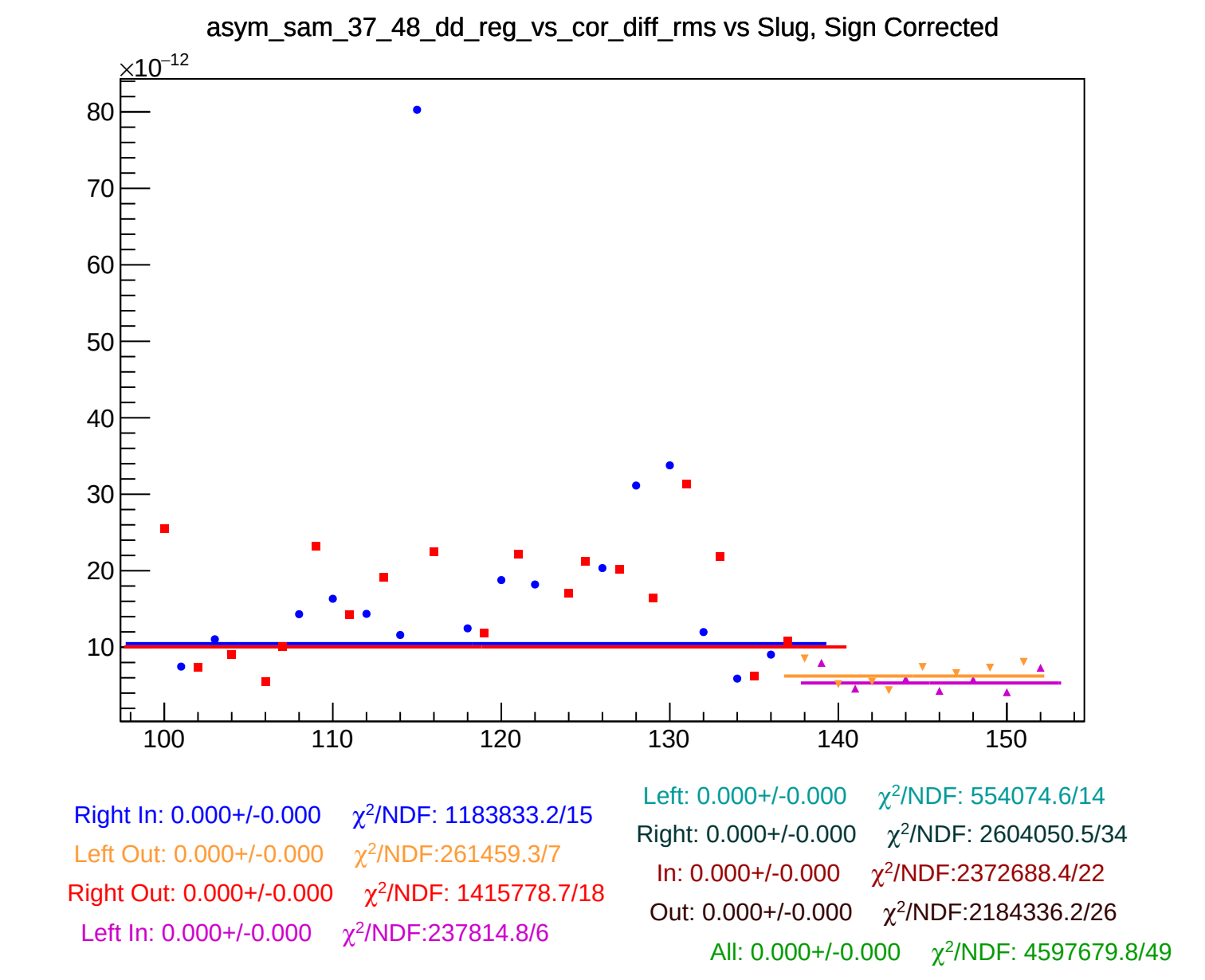
Left: -0.000+/-0.000 χ^2/NDF: 7.7/14

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:18.5/22

Out: 0.000+/-0.000 χ^2/NDF:21.3/26

All: 0.000+/-0.000 χ^2/NDF: 40.0/49


asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
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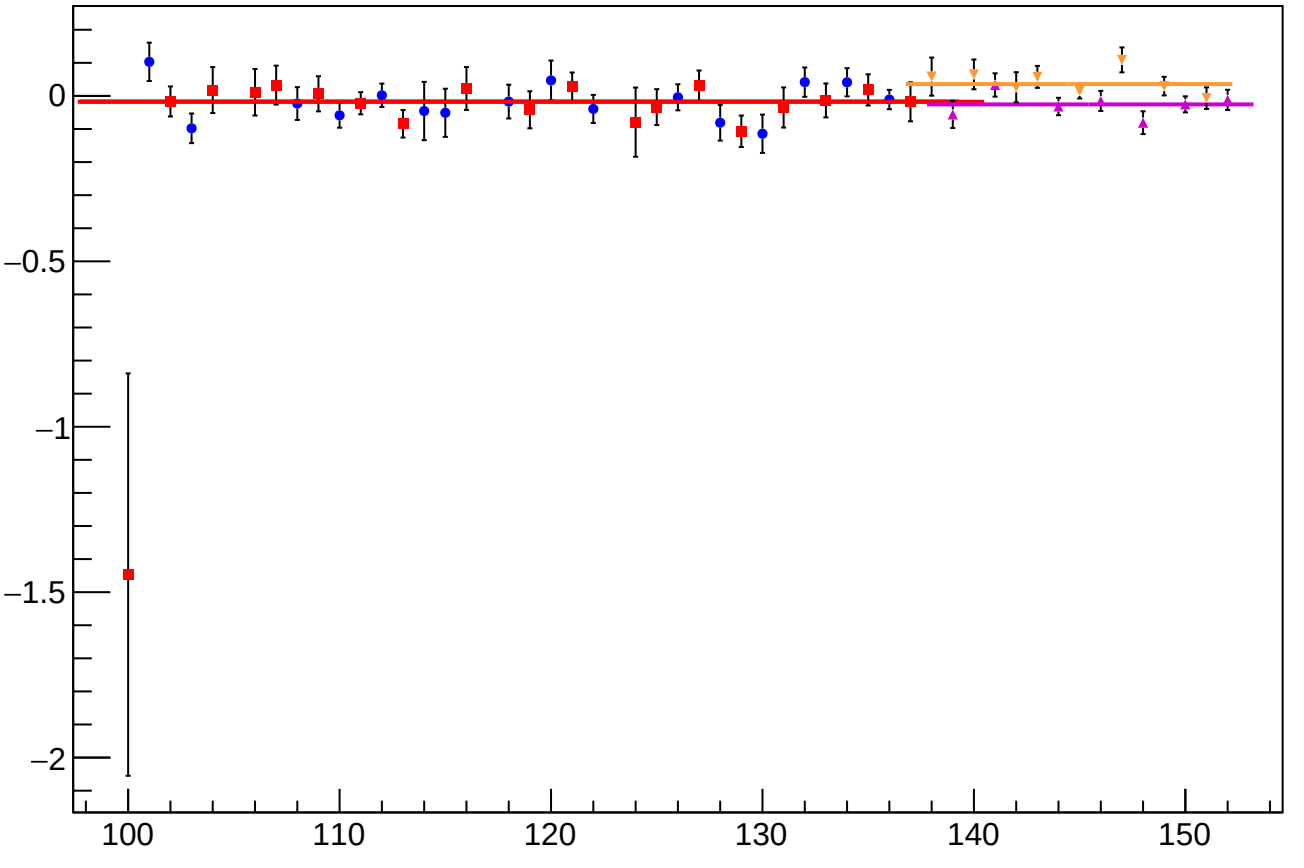
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1183833.2/15
Left Out: 0.000+/-0.000 χ²/NDF:261459.3/7
Right Out: 0.000+/-0.000 χ²/NDF: 1415778.7/18
Left In: 0.000+/-0.000 χ²/NDF:237814.8/6
Left: 0.000+/-0.000 χ²/NDF: 554074.6/14
Right: 0.000+/-0.000 χ²/NDF: 2604050.5/34
In: 0.000+/-0.000 χ²/NDF:2372688.4/22
Out: 0.000+/-0.000 χ²/NDF:2184336.2/26
All: 0.000+/-0.000 χ²/NDF: 4597679.8/49



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: -0.026+/-0.012 χ^2/NDF:6.3/6

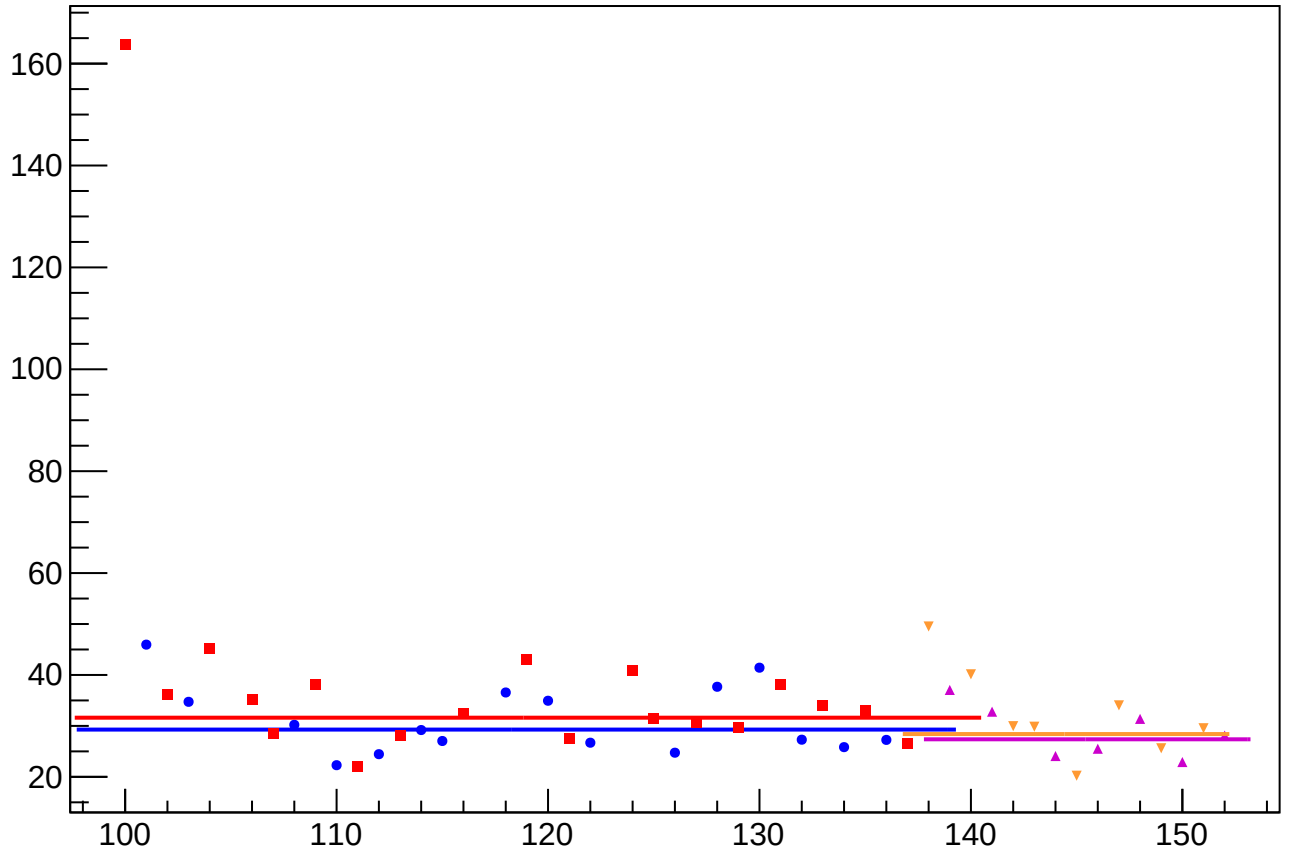
Left: 0.004+/-0.008 χ^2/NDF: 27.4/14

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.021+/-0.008 χ^2/NDF:25.4/22

Out: 0.010+/-0.008 χ^2/NDF:34.1/26

All: -0.007+/-0.006 χ^2/NDF: 66.4/49



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: 27.370+/-0.008 χ^2/NDF:294411.8/6

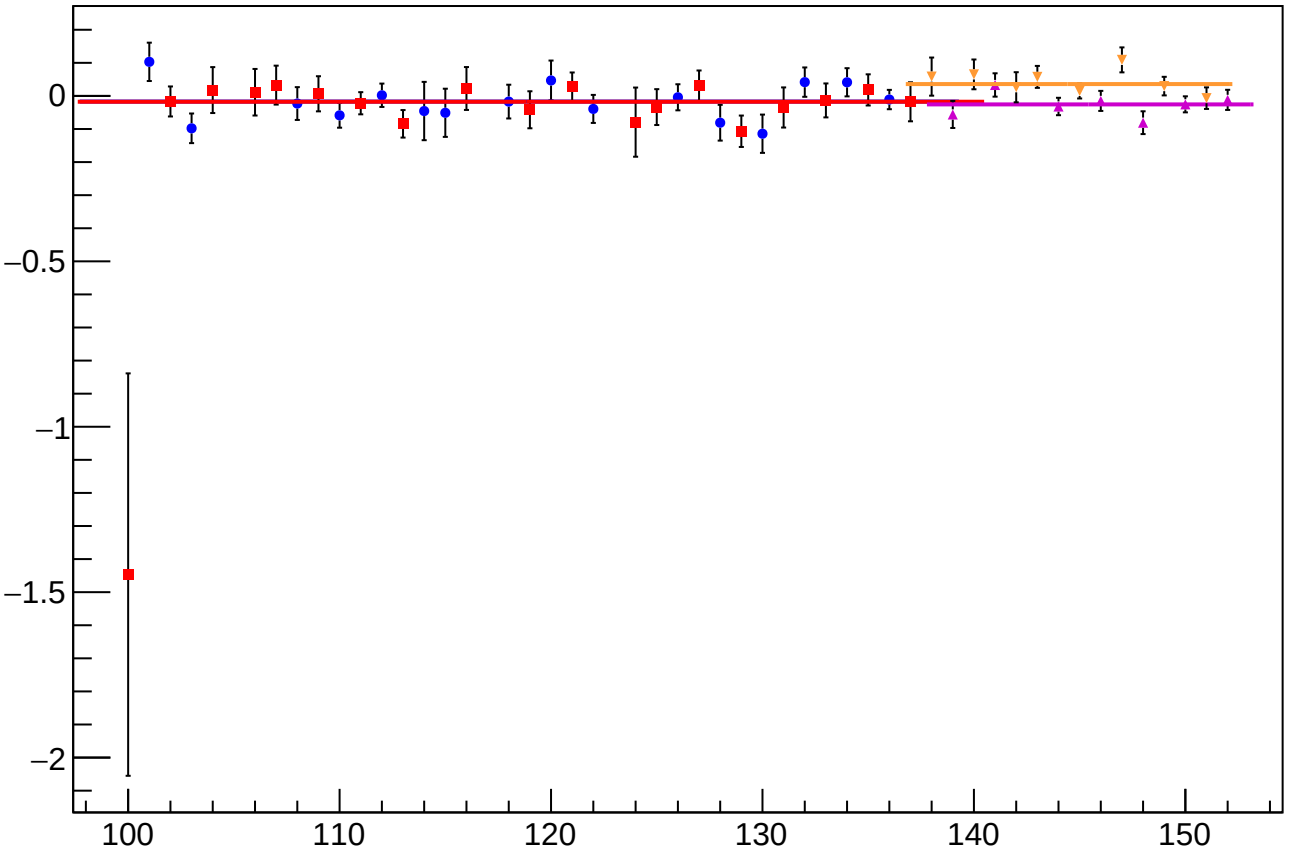
Left: 27.866+/-0.006 χ^2/NDF: 1036529.8/14

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.337+/-0.006 χ^2/NDF:882992.0/22

Out: 29.985+/-0.006 χ^2/NDF:1378049.5/26

All: 29.119+/-0.004 χ^2/NDF: 2300563.5/49



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: -0.026+/-0.012 χ^2/NDF:6.3/6

Left: 0.004+/-0.008 χ^2/NDF: 27.4/14

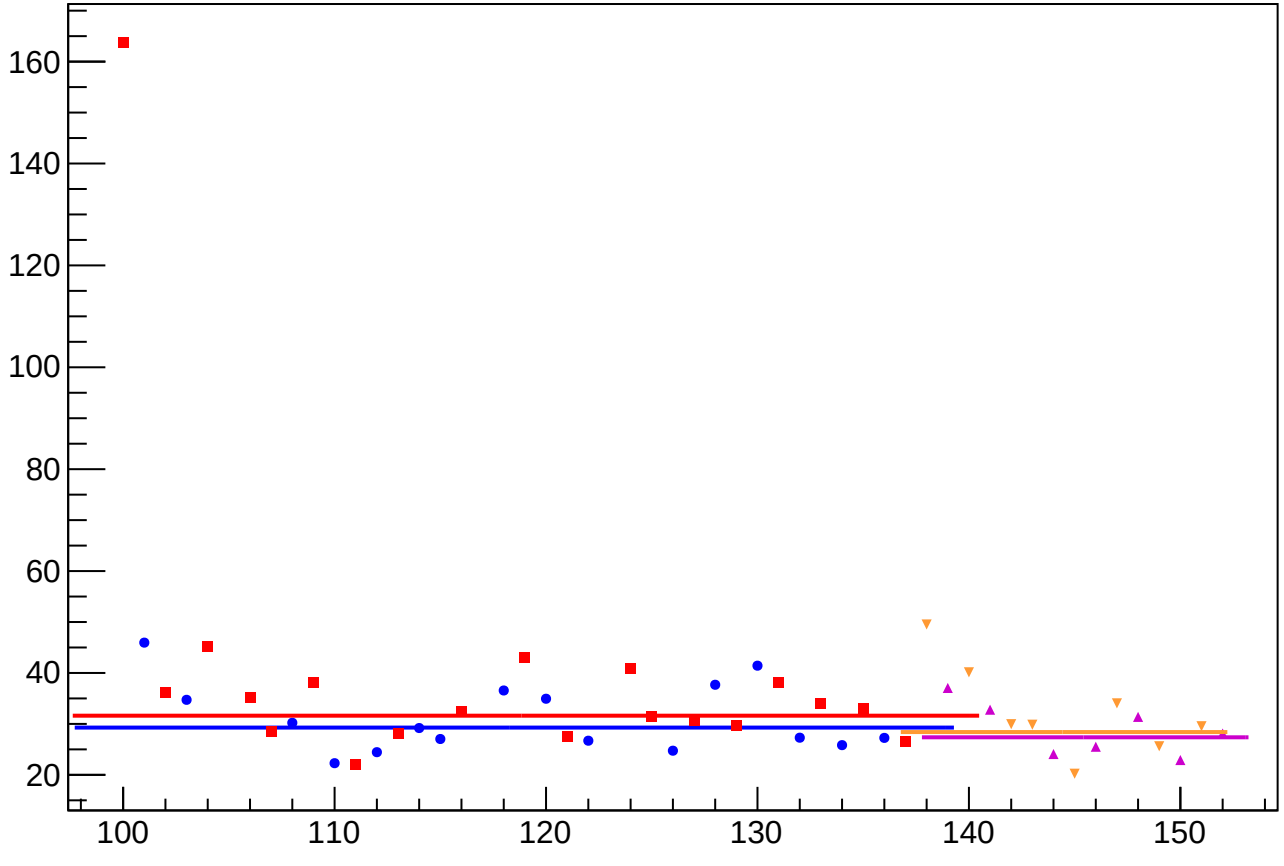
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.021+/-0.008 χ^2/NDF:25.4/22

Out: 0.010+/-0.008 χ^2/NDF:34.1/26

All: -0.007+/-0.006 χ^2/NDF: 66.4/49

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: 27.370+/-0.008 χ^2/NDF:294411.8/6

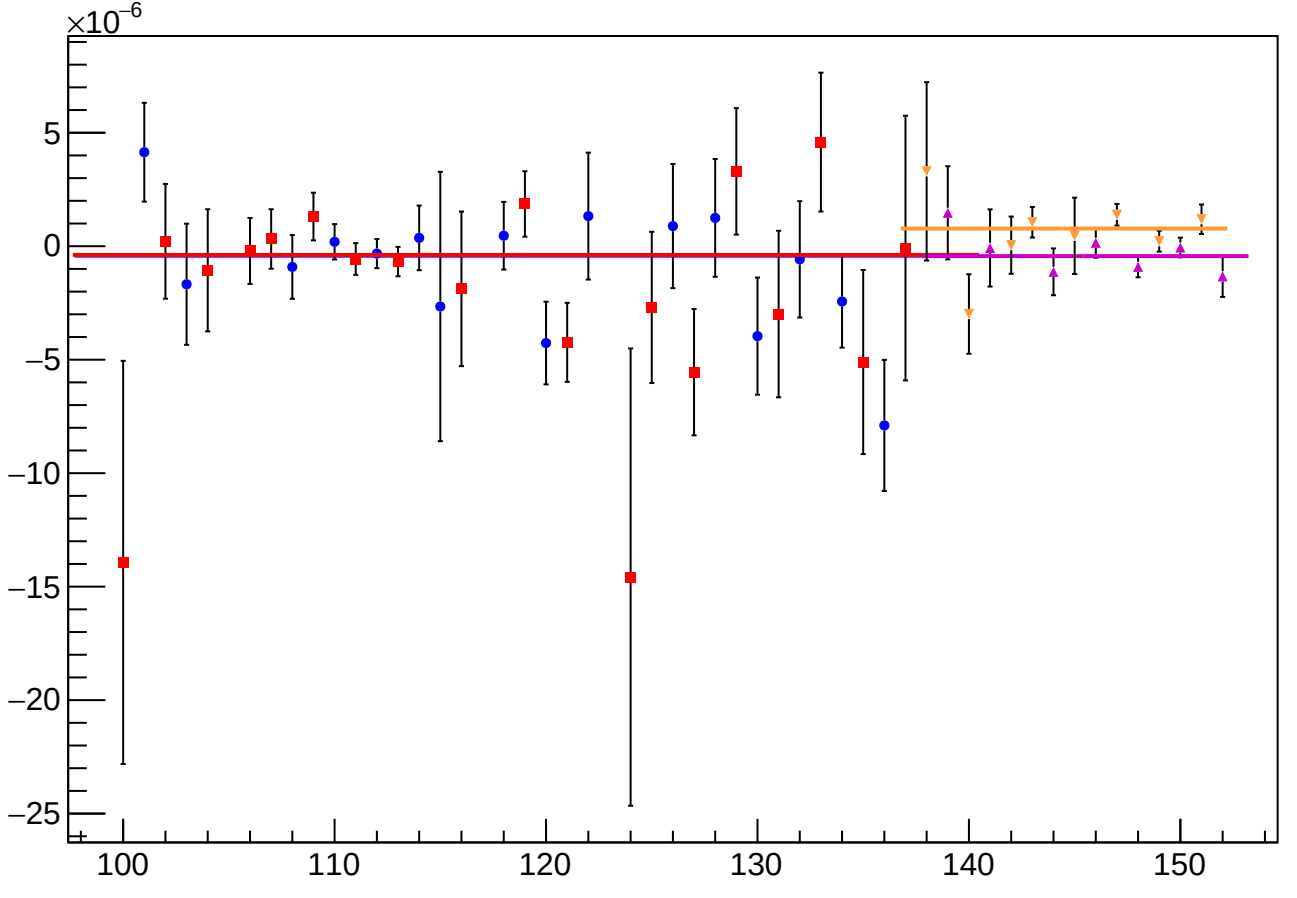
Left: 27.866+/-0.006 χ^2/NDF: 1036529.8/14

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.337+/-0.006 χ^2/NDF:882992.0/22

Out: 29.985+/-0.006 χ^2/NDF:1378049.5/26

All: 29.119+/-0.004 χ^2/NDF: 2300563.5/49



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:5.0/6

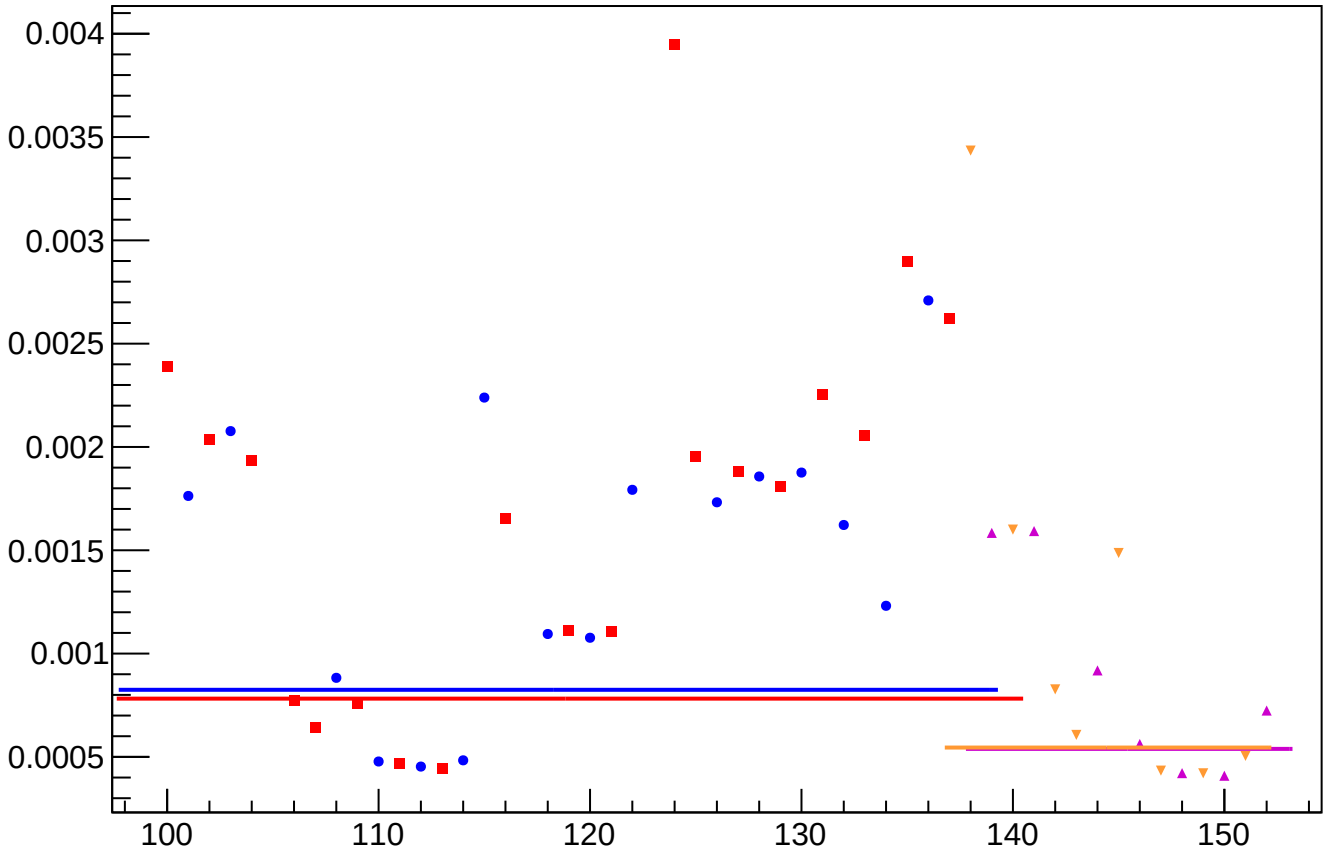
Left: 0.000+/-0.000 χ^2/NDF: 25.2/14

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:26.2/22

Out: 0.000+/-0.000 χ^2/NDF:41.6/26

All: -0.000+/-0.000 χ^2/NDF: 75.0/49



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2815476.5/7

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1955868.2/6

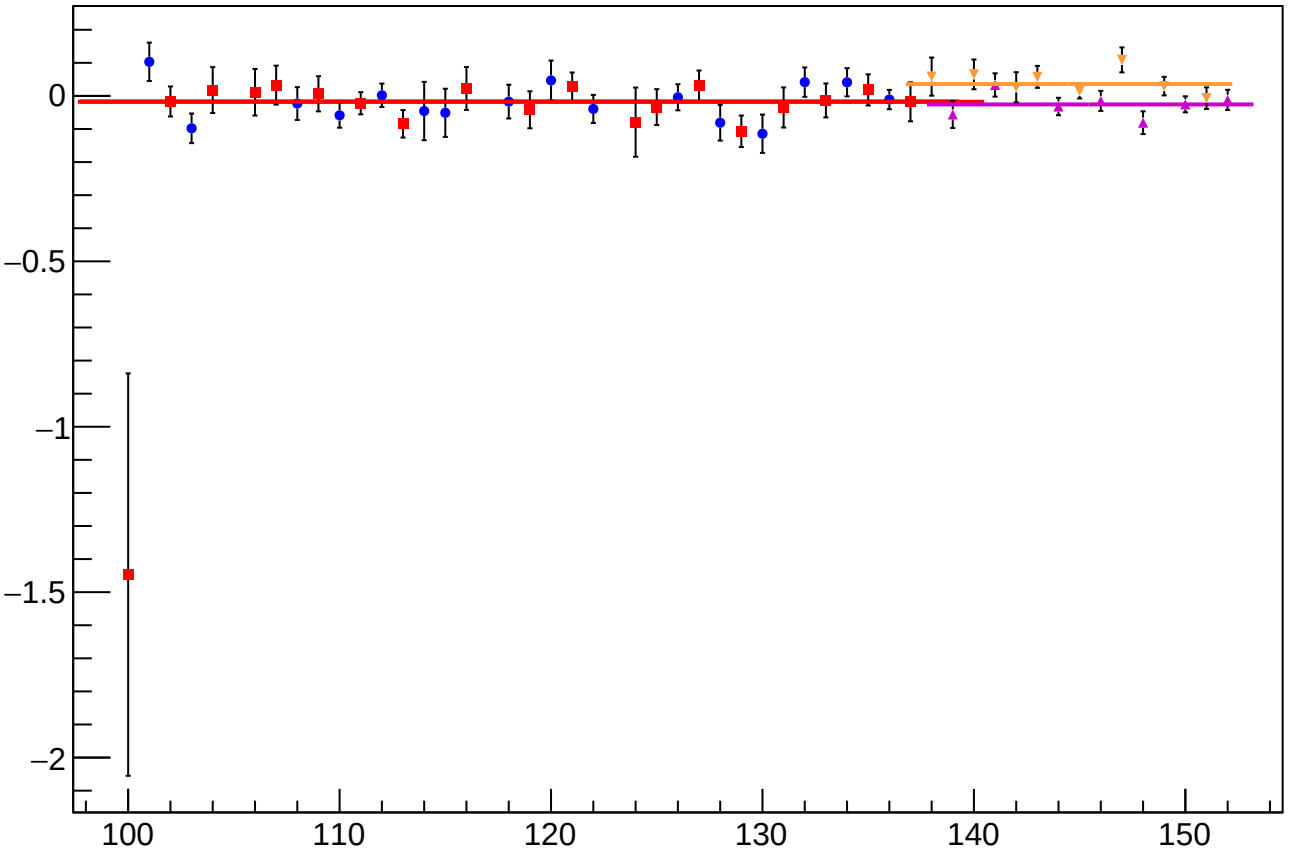
Left: 0.001+/-0.000 χ^2/NDF: 4771976.9/14

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:7209214.4/22

Out: 0.001+/-0.000 χ^2/NDF:8050914.7/26

All: 0.001+/-0.000 χ^2/NDF: 15260303.8/49



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: -0.026+/-0.012 χ^2/NDF:6.3/6

Left: 0.004+/-0.008 χ^2/NDF: 27.4/14

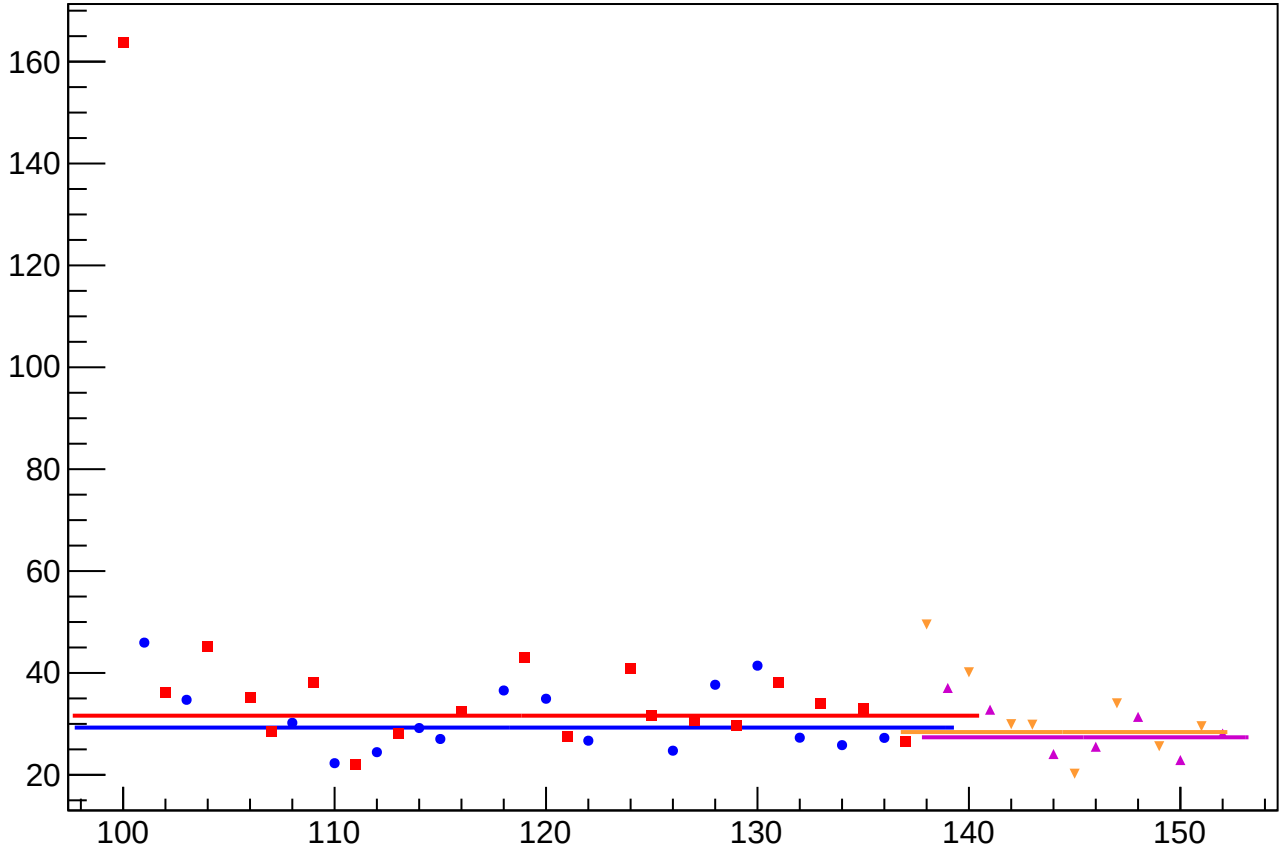
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.021+/-0.008 χ^2/NDF:25.4/22

Out: 0.010+/-0.008 χ^2/NDF:34.1/26

All: -0.007+/-0.006 χ^2/NDF: 66.4/49

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: 27.369+/-0.008 χ^2/NDF:294381.7/6

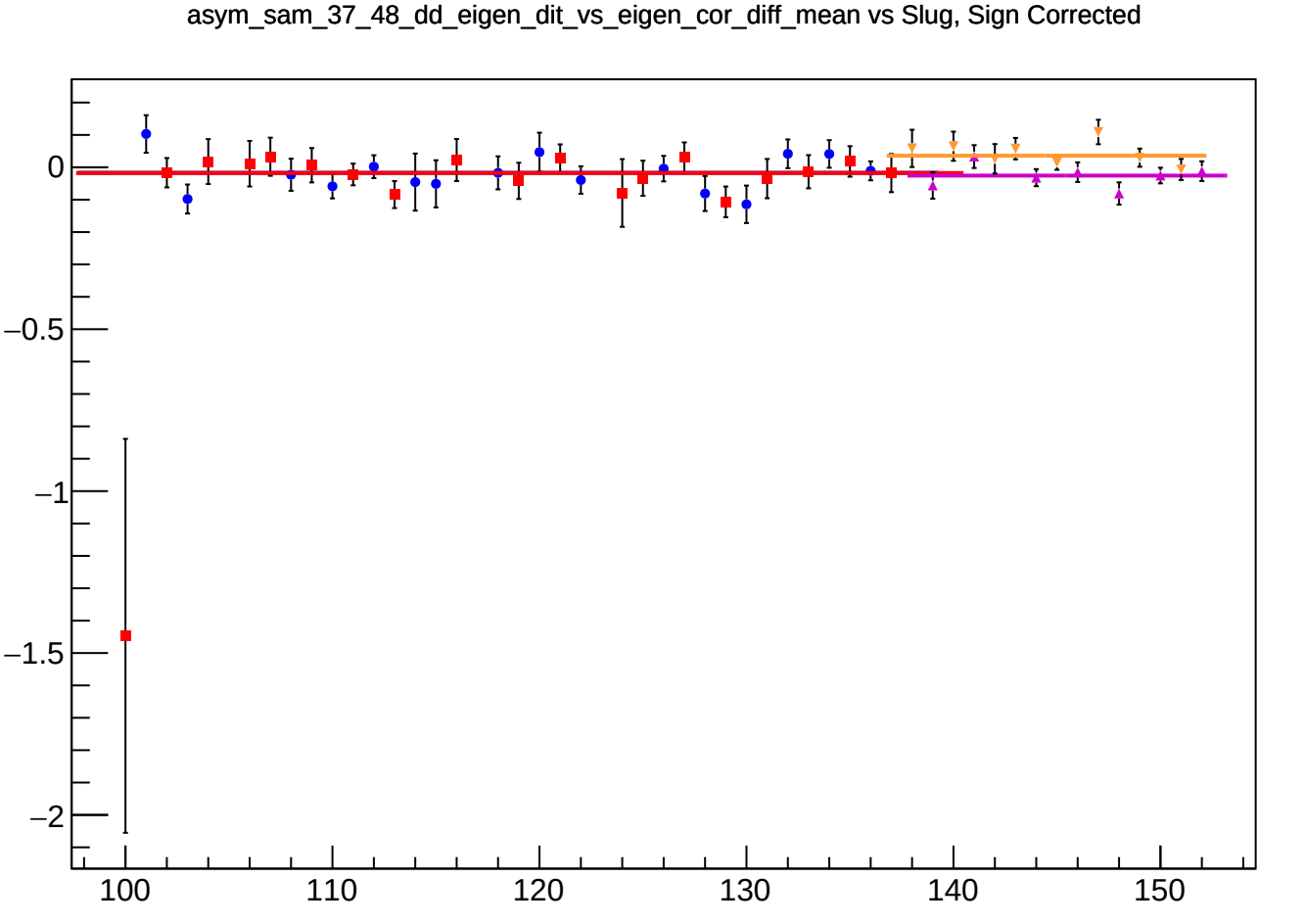
Left: 27.865+/-0.006 χ^2/NDF: 1036542.2/14

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.337+/-0.006 χ^2/NDF:882966.9/22

Out: 29.985+/-0.006 χ^2/NDF:1378120.7/26

All: 29.119+/-0.004 χ^2/NDF: 2300604.2/49



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: -0.026+/-0.012 χ^2/NDF:6.3/6

Left: 0.004+/-0.008 χ^2/NDF: 27.4/14

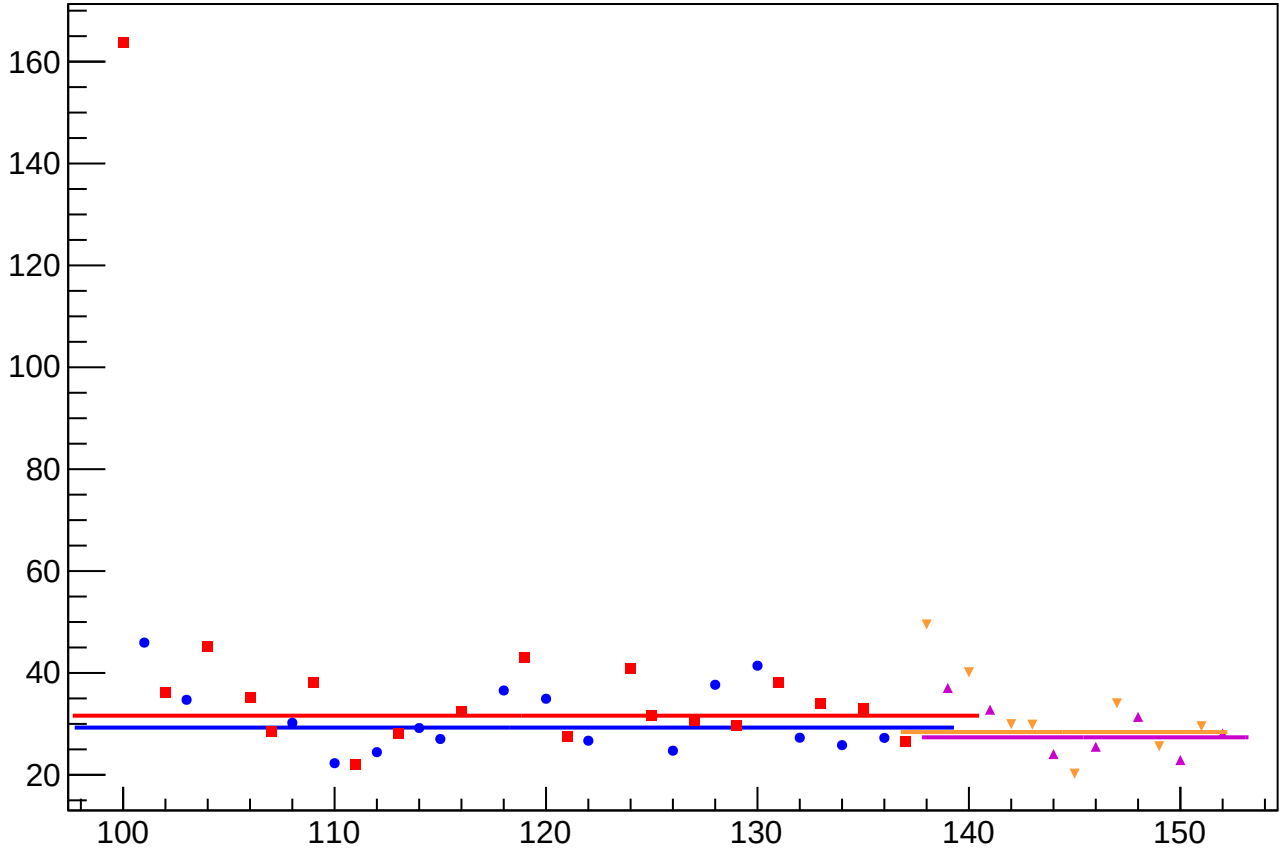
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.021+/-0.008 χ^2/NDF:25.4/22

Out: 0.010+/-0.008 χ^2/NDF:34.1/26

All: -0.007+/-0.006 χ^2/NDF: 66.4/49

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: 27.369+/-0.008 χ^2/NDF:294381.7/6

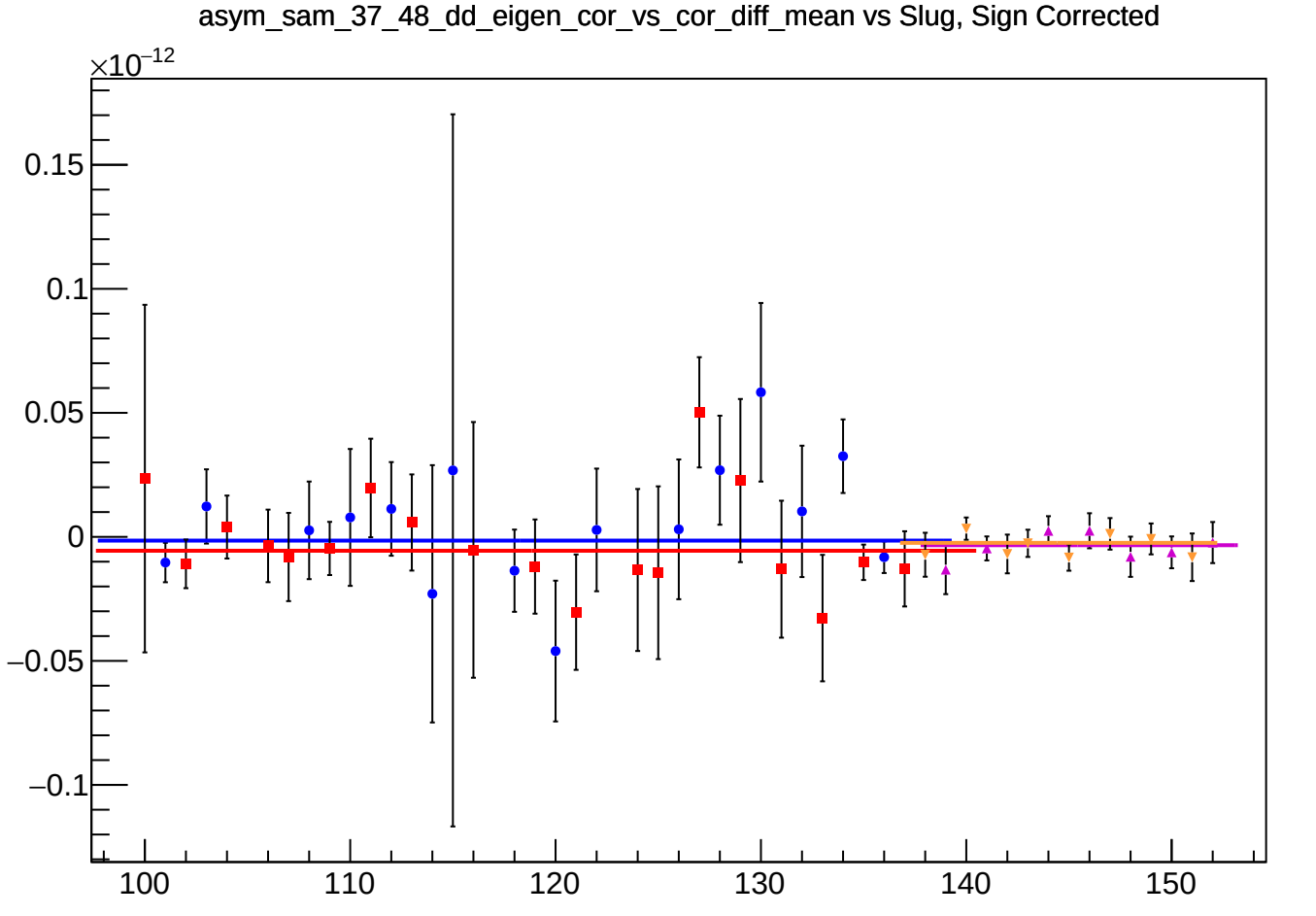
Left: 27.865+/-0.006 χ^2/NDF: 1036542.2/14

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.337+/-0.006 χ^2/NDF:882966.9/22

Out: 29.985+/-0.006 χ^2/NDF:1378120.7/26

All: 29.119+/-0.004 χ^2/NDF: 2300604.2/49



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:3.2/6

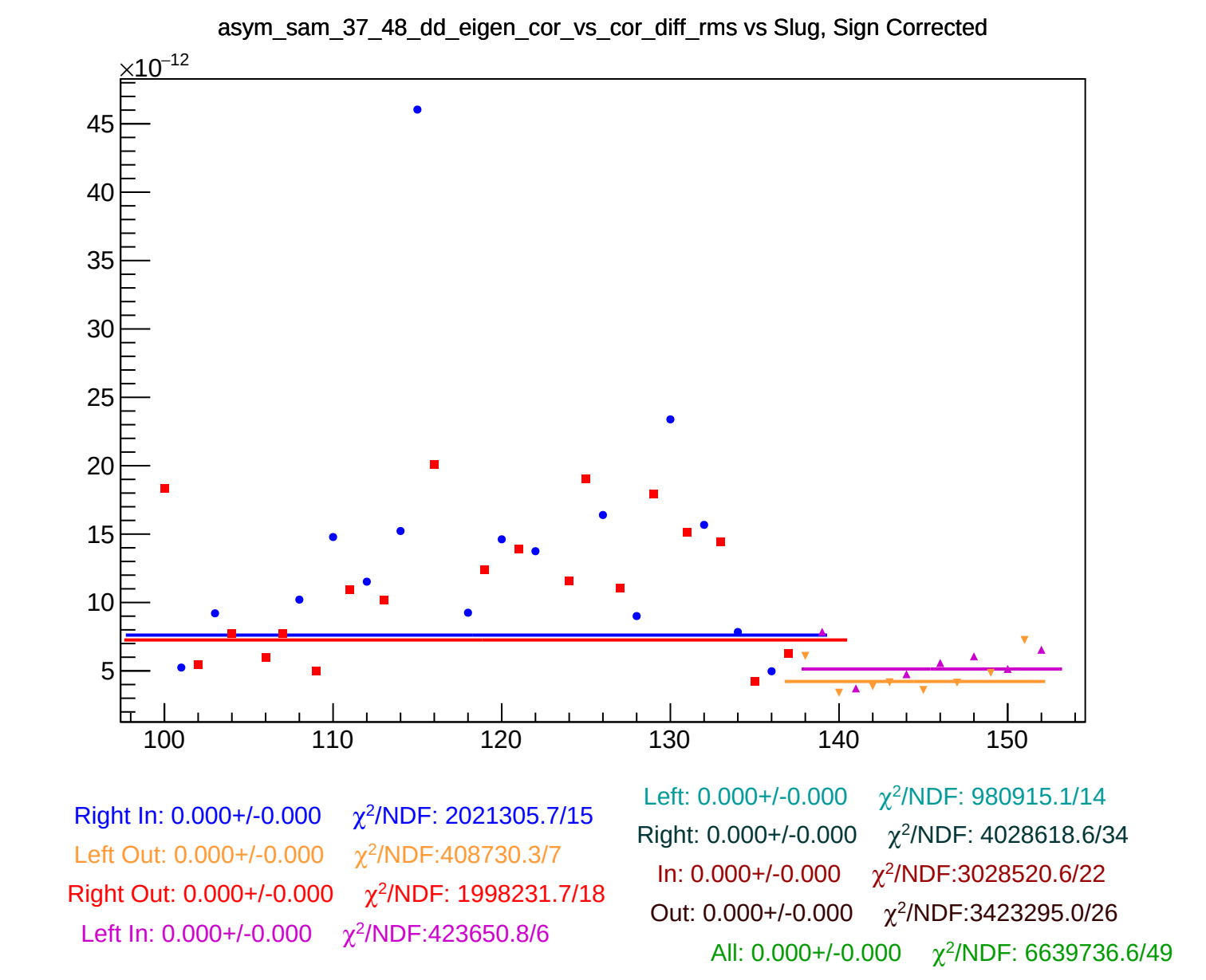
Left: -0.000+/-0.000 χ^2/NDF: 7.6/14

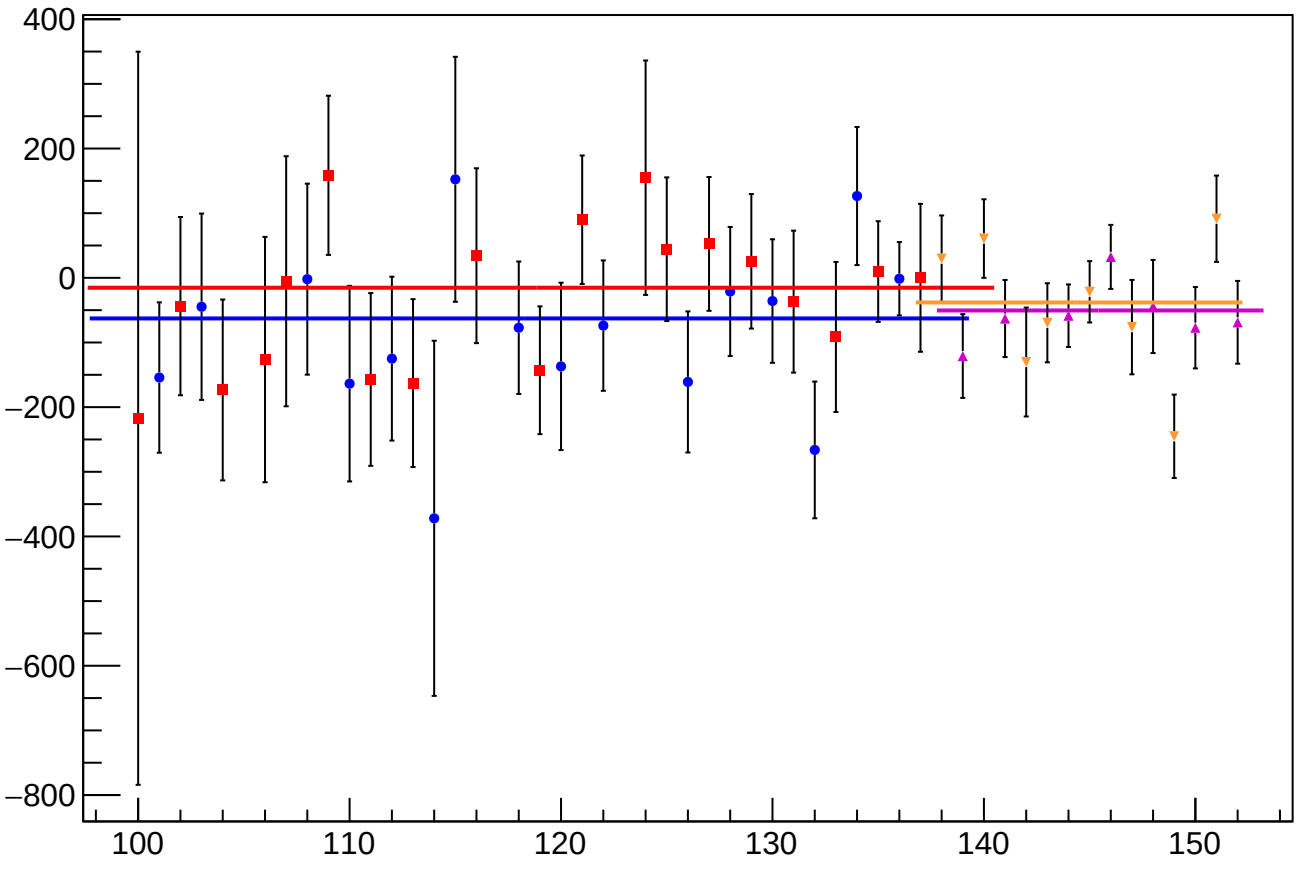
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:20.4/22

Out: -0.000+/-0.000 χ^2/NDF:18.1/26

All: -0.000+/-0.000 χ^2/NDF: 38.5/49


asym_sam_37_48_dd_eigen_cor_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: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:408730.3/7
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:423650.8/6
Left: 0.000+/-0.000 χ²/NDF: 980915.1/14
Right: 0.000+/-0.000 χ²/NDF: 4028618.6/34
In: 0.000+/-0.000 χ²/NDF:3028520.6/22
Out: 0.000+/-0.000 χ²/NDF:3423295.0/26
All: 0.000+/-0.000 χ²/NDF: 6639736.6/49



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: -50.480+/-22.115 χ^2/NDF:4.3/6

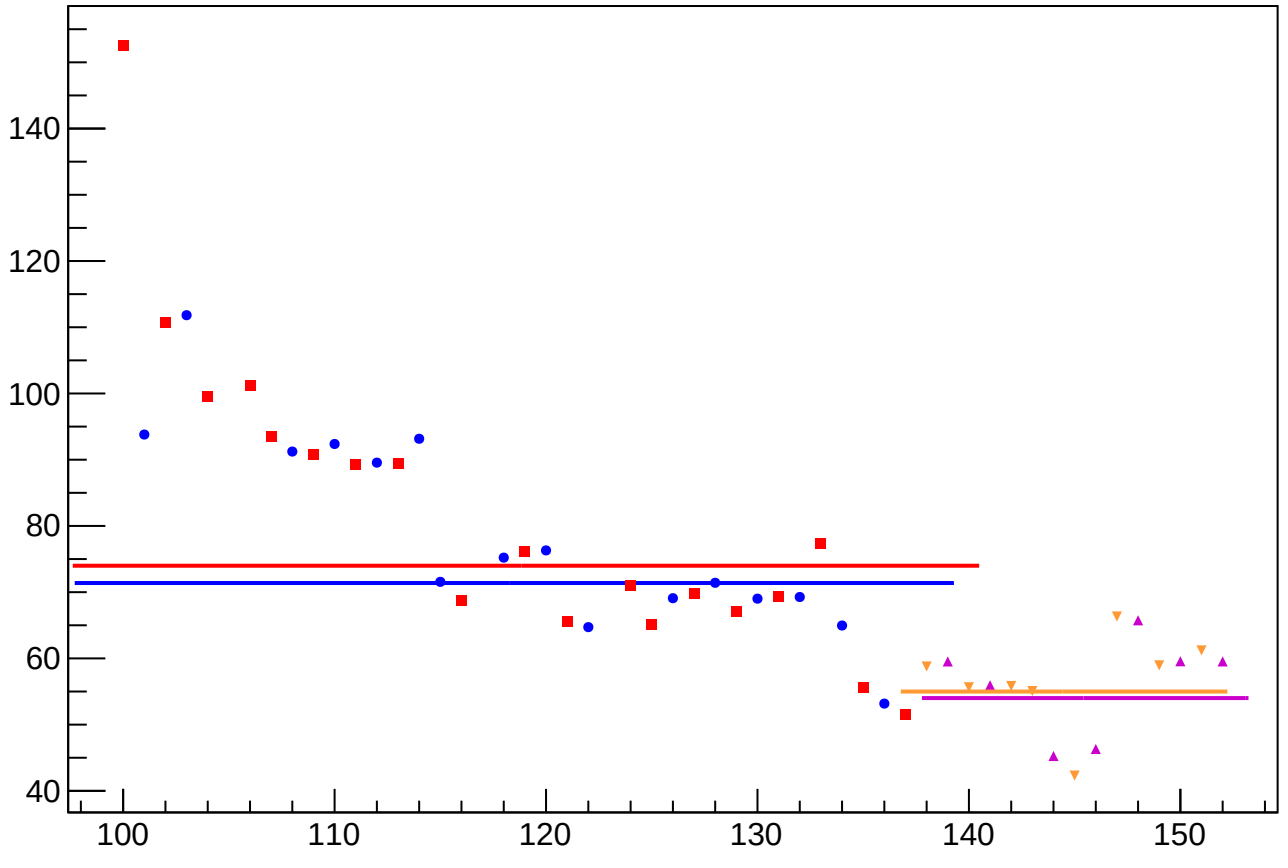
Left: -44.331+/-15.724 χ^2/NDF: 24.1/14

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -55.379+/-17.163 χ^2/NDF:17.9/22

Out: -29.094+/-17.416 χ^2/NDF:31.5/26

All: -42.429+/-12.224 χ^2/NDF: 50.6/49



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: 54.011+/-0.016 χ^2/NDF:213994.2/6

Left: 54.498+/-0.011 χ^2/NDF: 438873.5/14

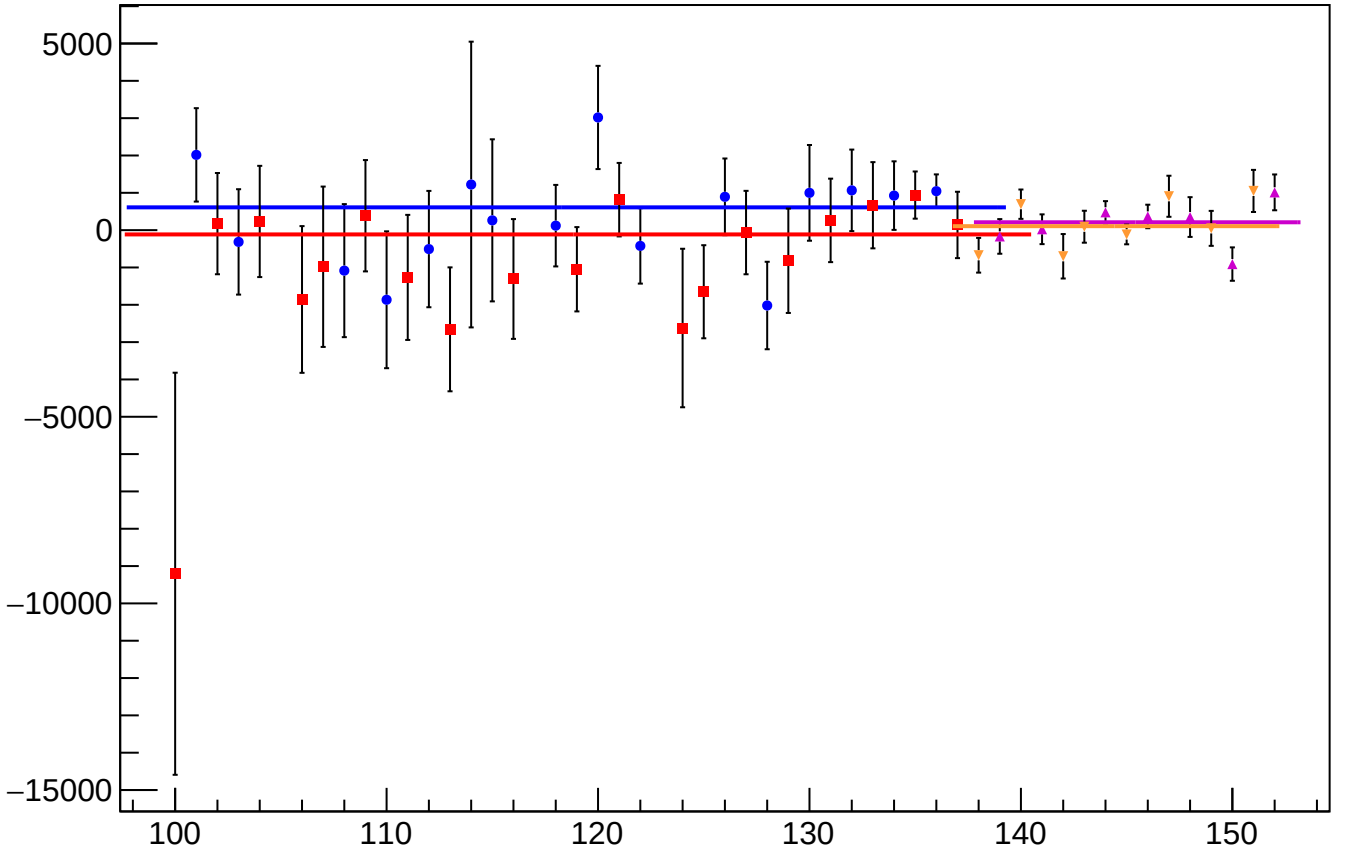
Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.921+/-0.012 χ^2/NDF:1295741.4/22

Out: 62.468+/-0.012 χ^2/NDF:1429294.7/26

All: 61.683+/-0.009 χ^2/NDF: 2733036.4/49

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: 210.663+/-149.032 χ^2/NDF:11.0/6

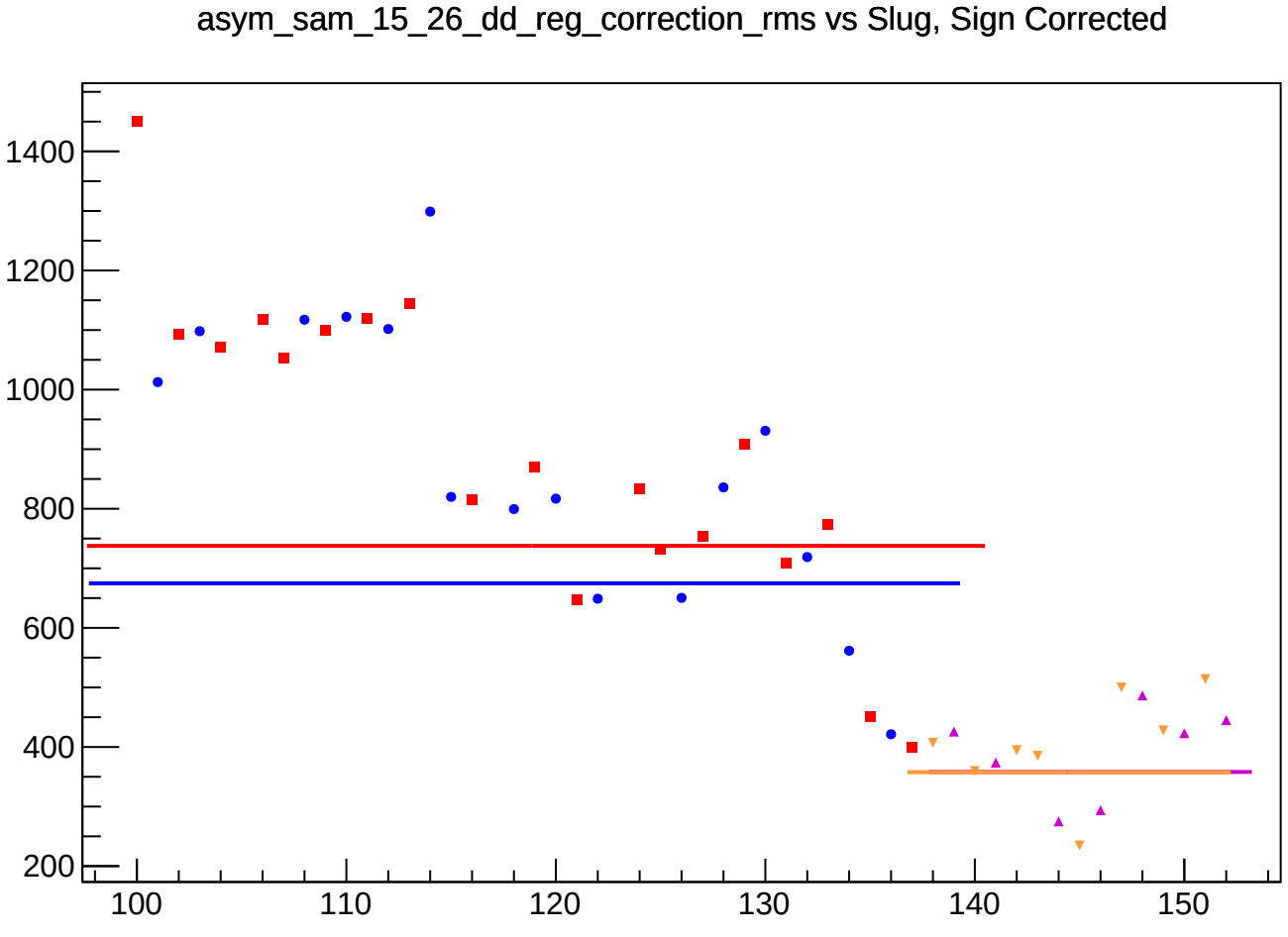
Left: 158.652+/-105.533 χ^2/NDF: 23.8/14

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 305.765+/-130.110 χ^2/NDF:28.5/22

Out: 58.495+/-132.295 χ^2/NDF:28.6/26

All: 184.190+/-92.765 χ^2/NDF: 58.8/49



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: 358.096+/-0.105 χ^2/NDF:507345.6/6

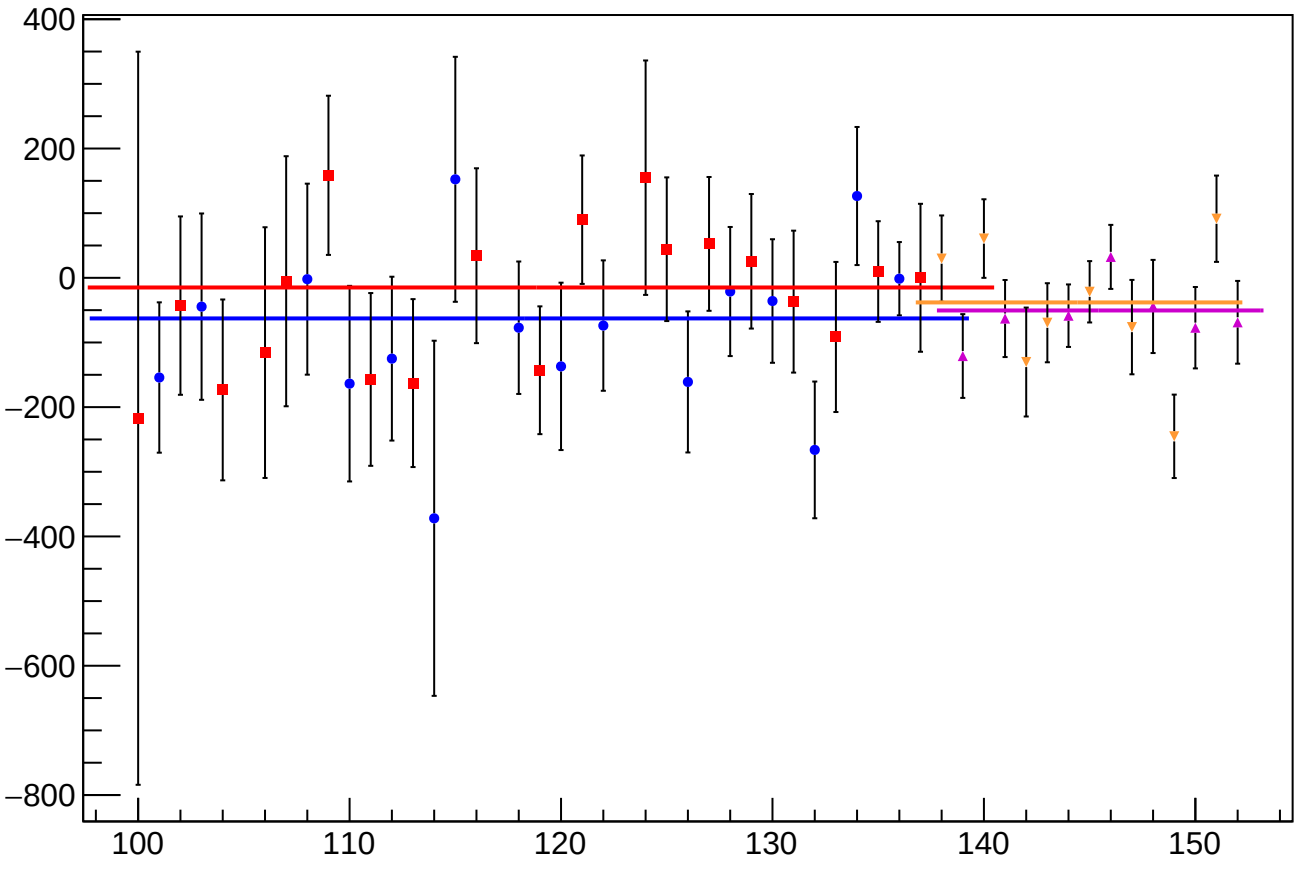
Left: 357.931+/-0.075 χ^2/NDF: 1314269.1/14

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 433.420+/-0.092 χ^2/NDF:4273279.5/22

Out: 440.024+/-0.094 χ^2/NDF:5121521.5/26

All: 436.667+/-0.066 χ^2/NDF: 9397334.2/49



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: -50.481+/-22.115 χ^2/NDF:4.3/6

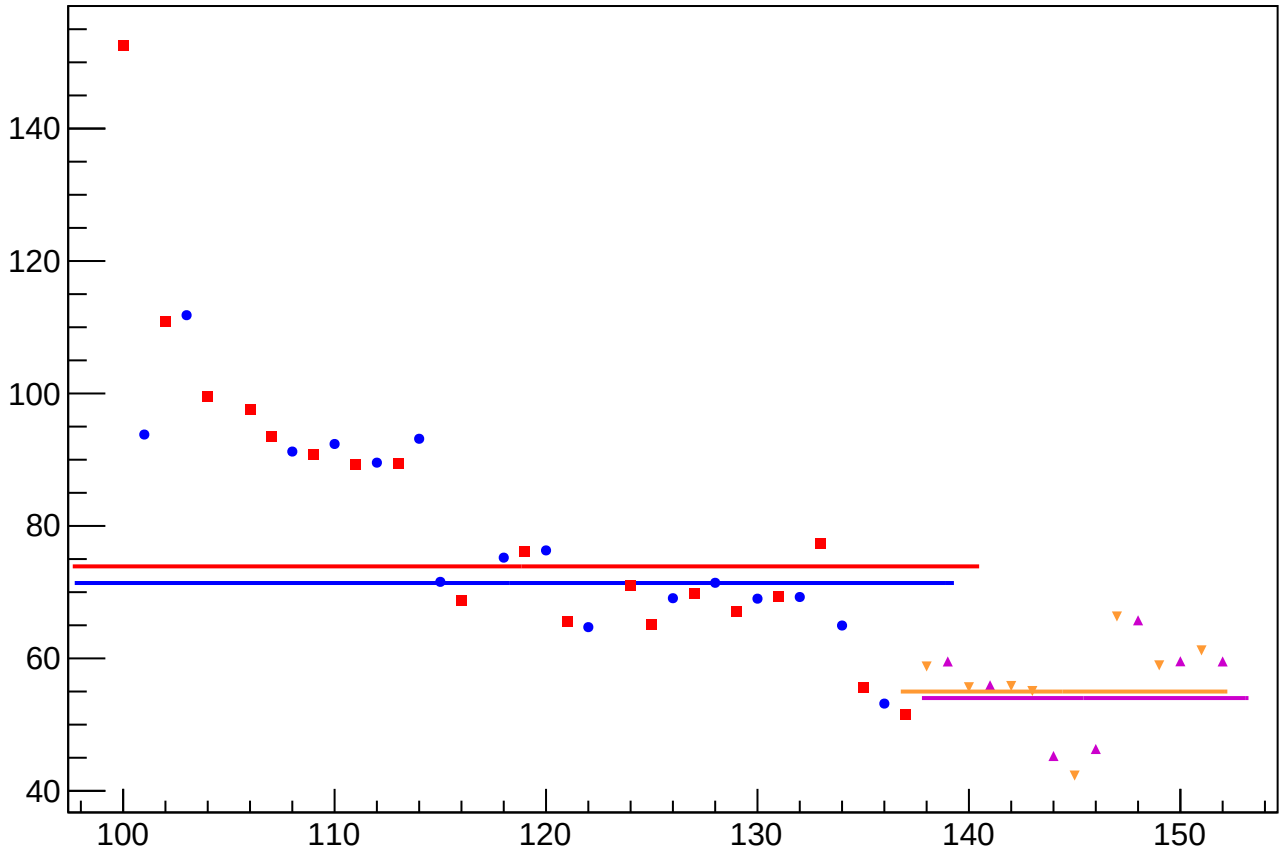
Left: -44.332+/-15.724 χ^2/NDF: 24.1/14

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -55.377+/-17.163 χ^2/NDF:17.9/22

Out: -28.960+/-17.419 χ^2/NDF:31.4/26

All: -42.364+/-12.226 χ^2/NDF: 50.5/49



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: 54.011+/-0.016 χ^2/NDF:213994.2/6

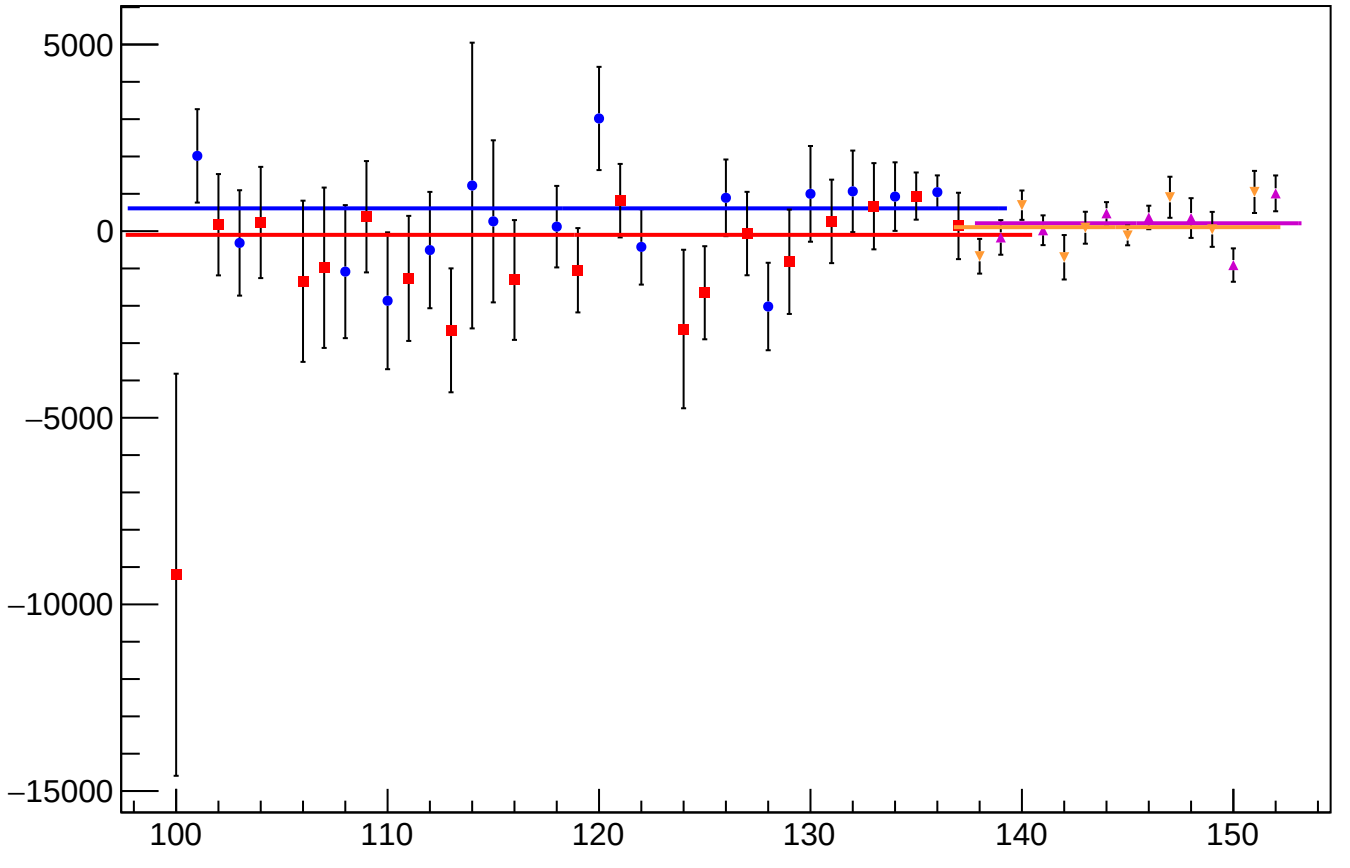
Left: 54.498+/-0.011 χ^2/NDF: 438873.5/14

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.921+/-0.012 χ^2/NDF:1295744.0/22

Out: 62.424+/-0.012 χ^2/NDF:1411590.7/26

All: 61.661+/-0.009 χ^2/NDF: 2714889.5/49



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: 210.661+/-149.032 χ^2/NDF:11.0/6

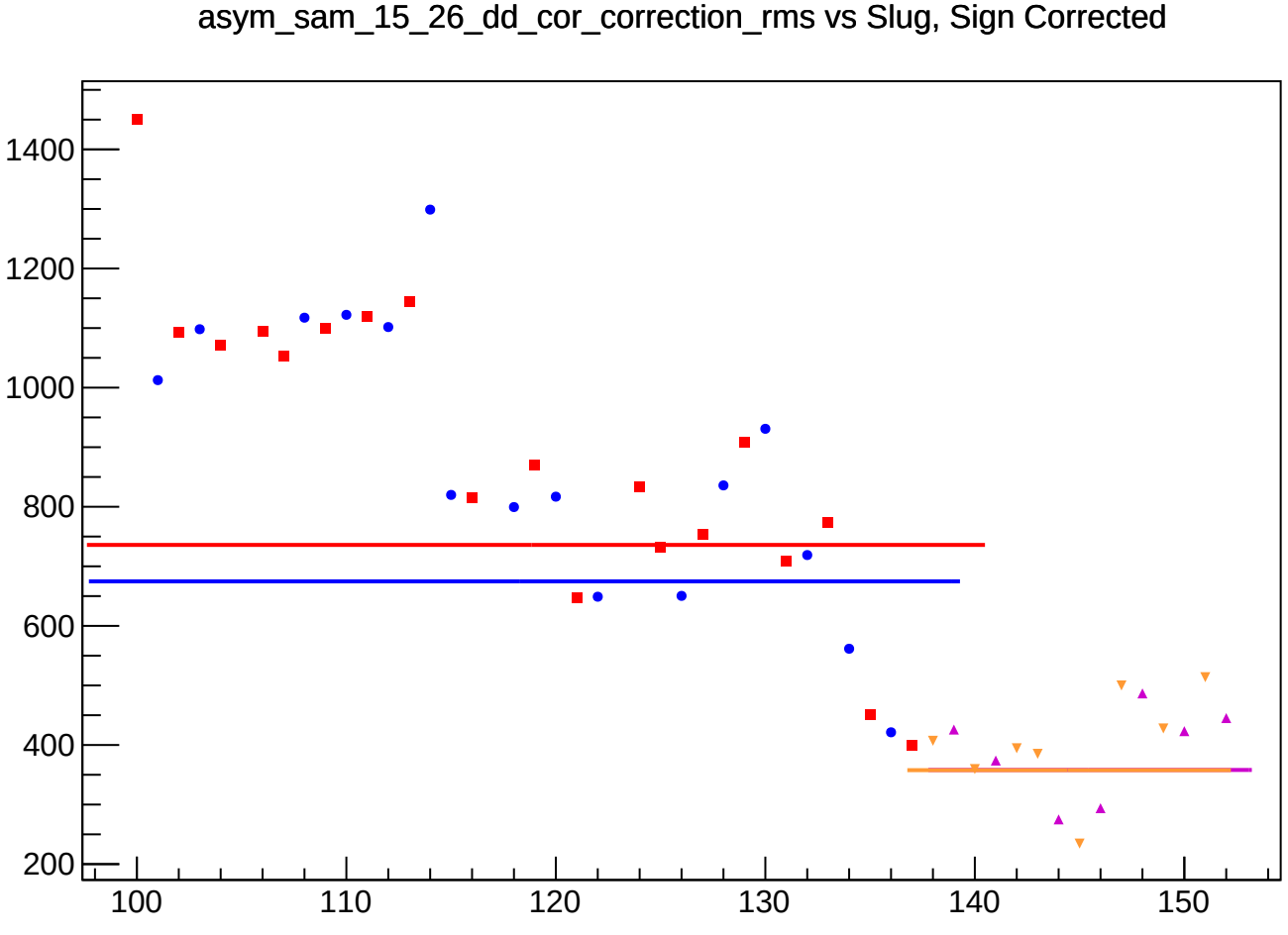
Left: 158.650+/-105.533 χ^2/NDF: 23.8/14

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 305.760+/-130.110 χ^2/NDF:28.5/22

Out: 61.885+/-132.348 χ^2/NDF:28.0/26

All: 185.902+/-92.783 χ^2/NDF: 58.2/49



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: 358.096+/-0.105 χ^2/NDF:507346.8/6

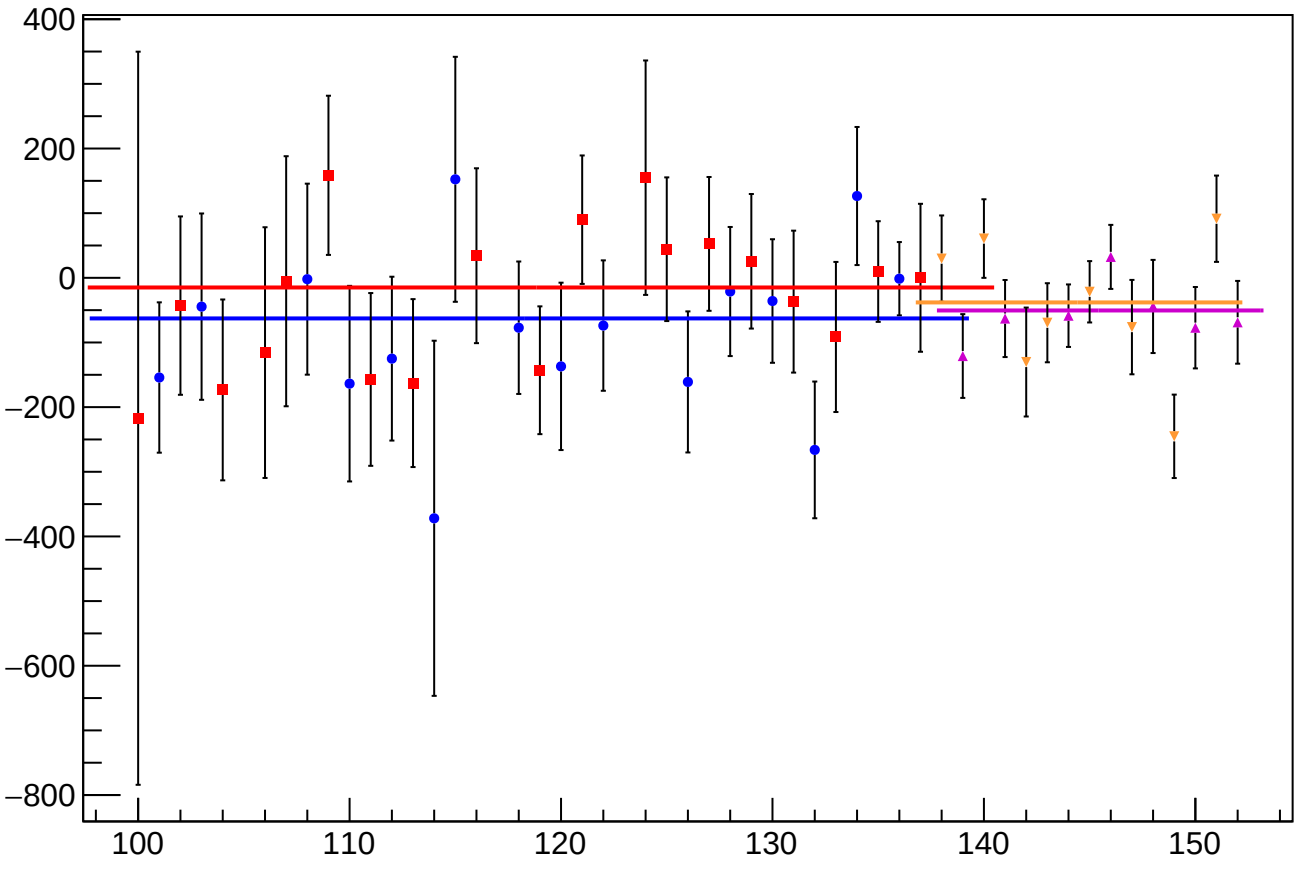
Left: 357.931+/-0.075 χ^2/NDF: 1314275.7/14

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 433.420+/-0.092 χ^2/NDF:4273303.5/22

Out: 439.410+/-0.094 χ^2/NDF:5068059.5/26

All: 436.364+/-0.066 χ^2/NDF: 9343446.1/49



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: -50.481+/-22.115 χ^2/NDF:4.3/6

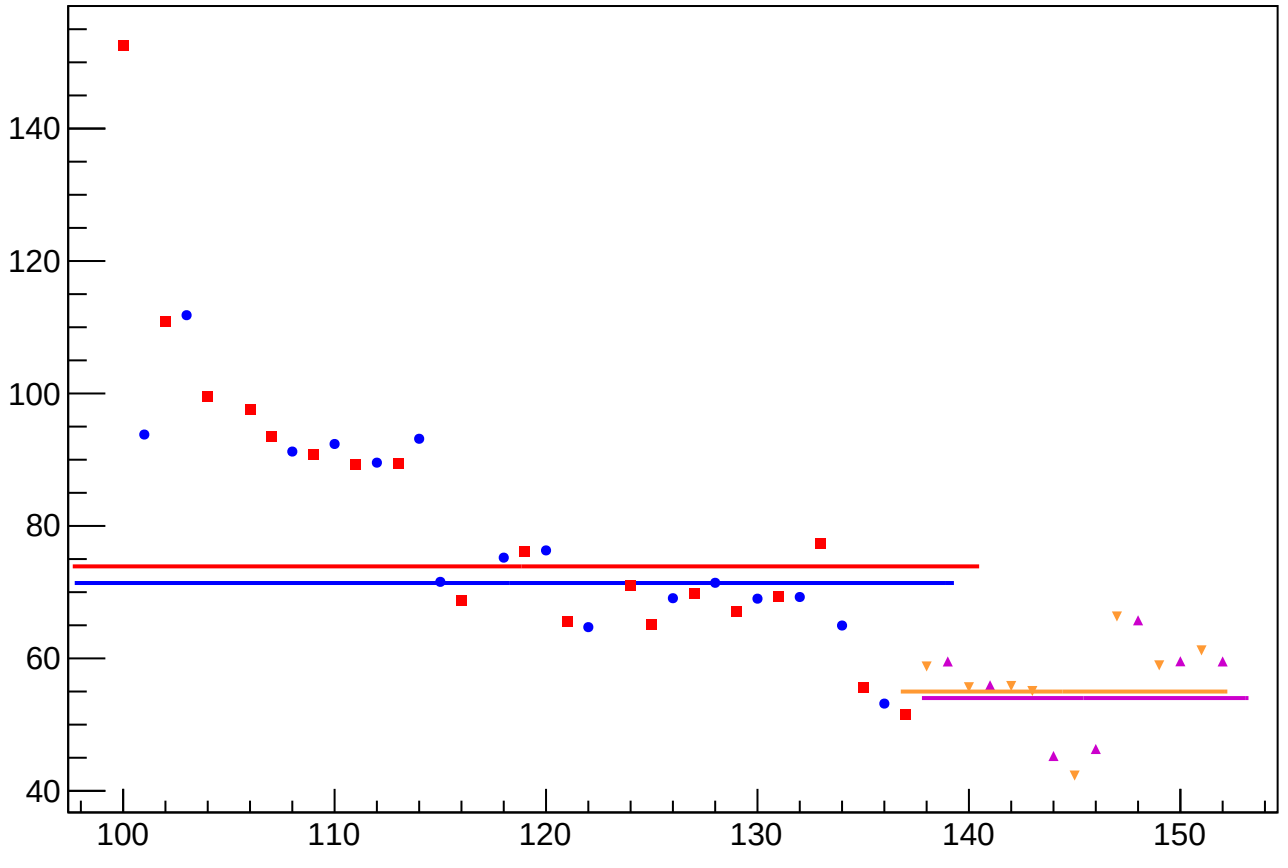
Left: -44.332+/-15.724 χ^2/NDF: 24.1/14

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -55.377+/-17.163 χ^2/NDF:17.9/22

Out: -28.960+/-17.419 χ^2/NDF:31.4/26

All: -42.364+/-12.226 χ^2/NDF: 50.5/49



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: 54.011+/-0.016 χ^2/NDF:213994.2/6

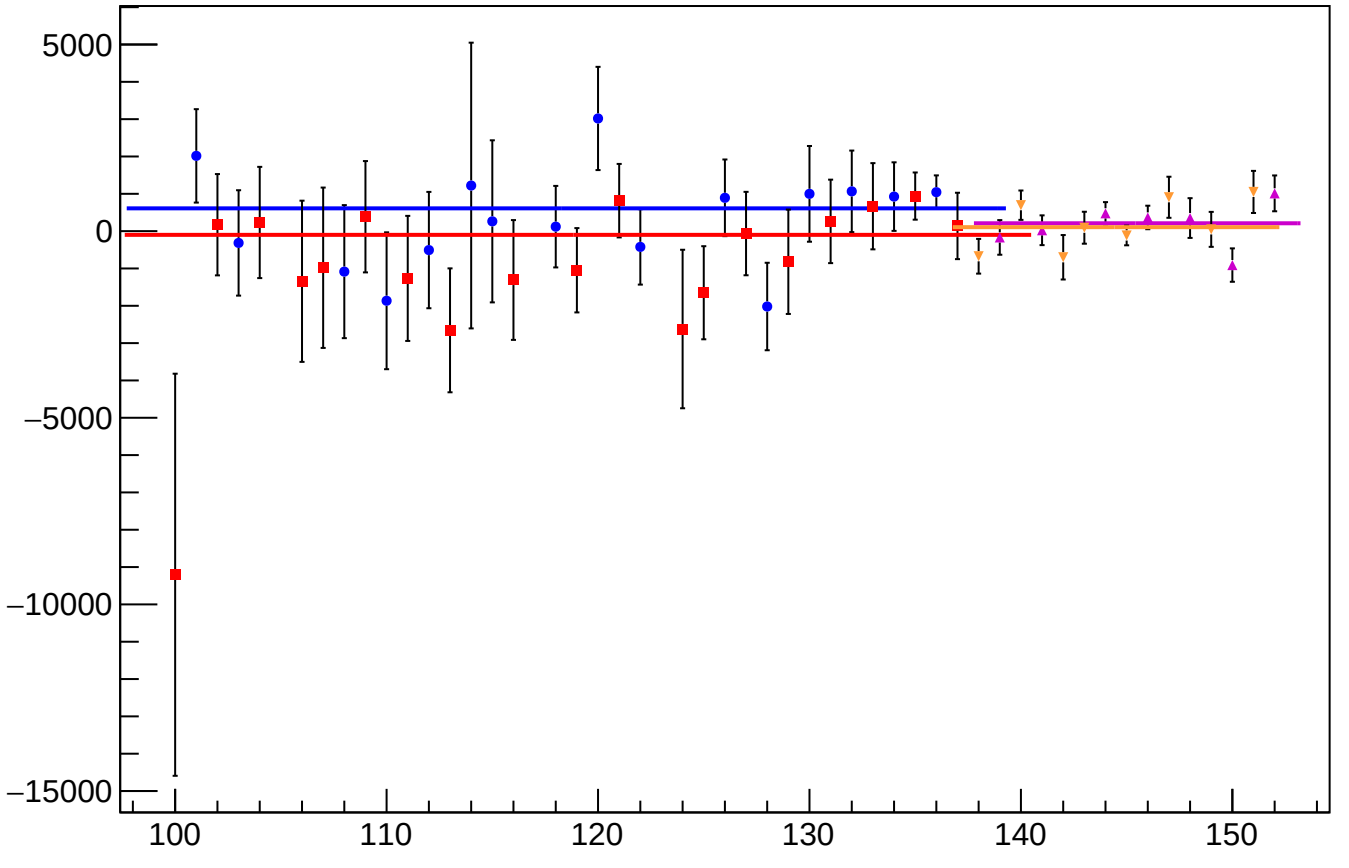
Left: 54.498+/-0.011 χ^2/NDF: 438873.5/14

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.921+/-0.012 χ^2/NDF:1295744.0/22

Out: 62.424+/-0.012 χ^2/NDF:1411590.7/26

All: 61.661+/-0.009 χ^2/NDF: 2714889.5/49



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: 210.661+/-149.032 χ^2/NDF:11.0/6

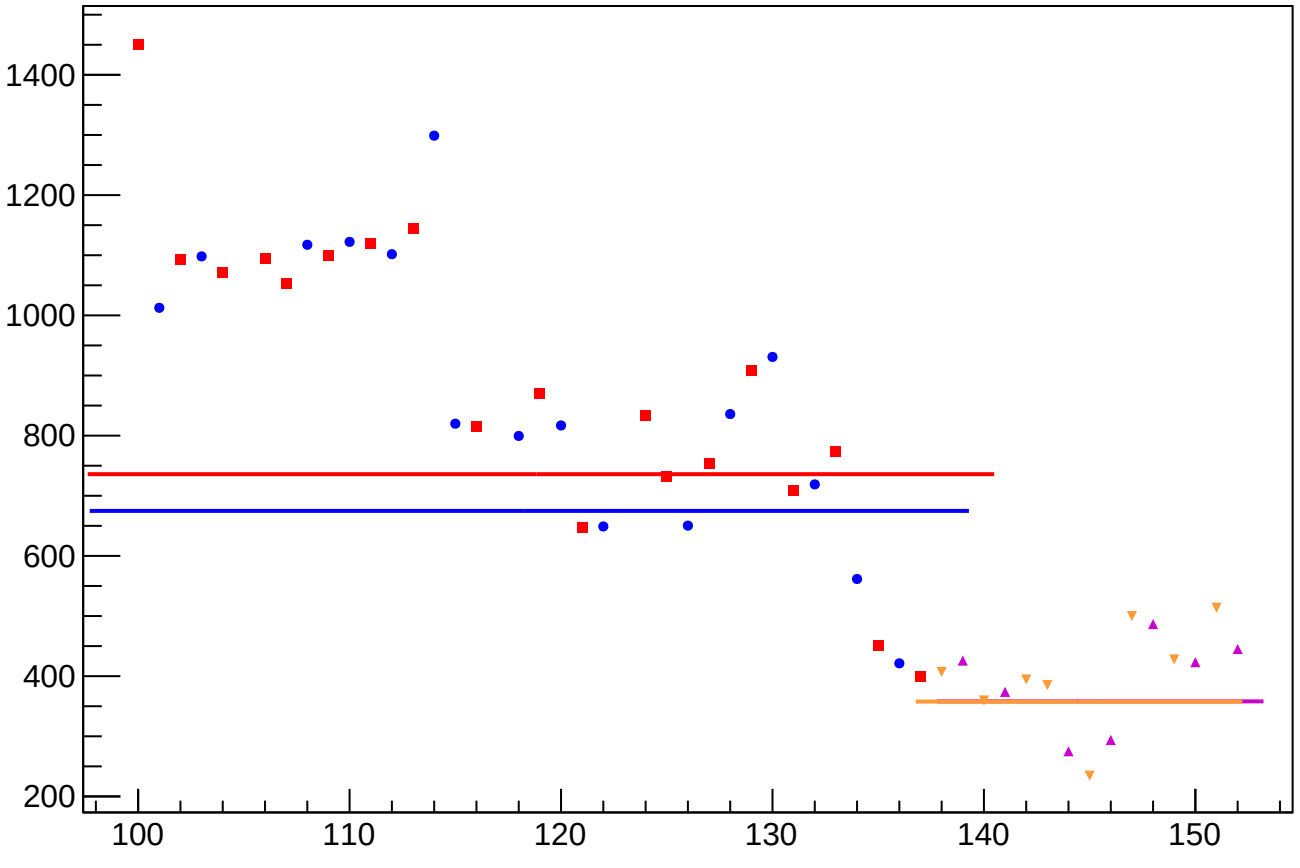
Left: 158.650+/-105.533 χ^2/NDF: 23.8/14

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 305.760+/-130.110 χ^2/NDF:28.5/22

Out: 61.885+/-132.348 χ^2/NDF:28.0/26

All: 185.902+/-92.783 χ^2/NDF: 58.2/49



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: 358.096+/-0.105 χ^2/NDF:507346.8/6

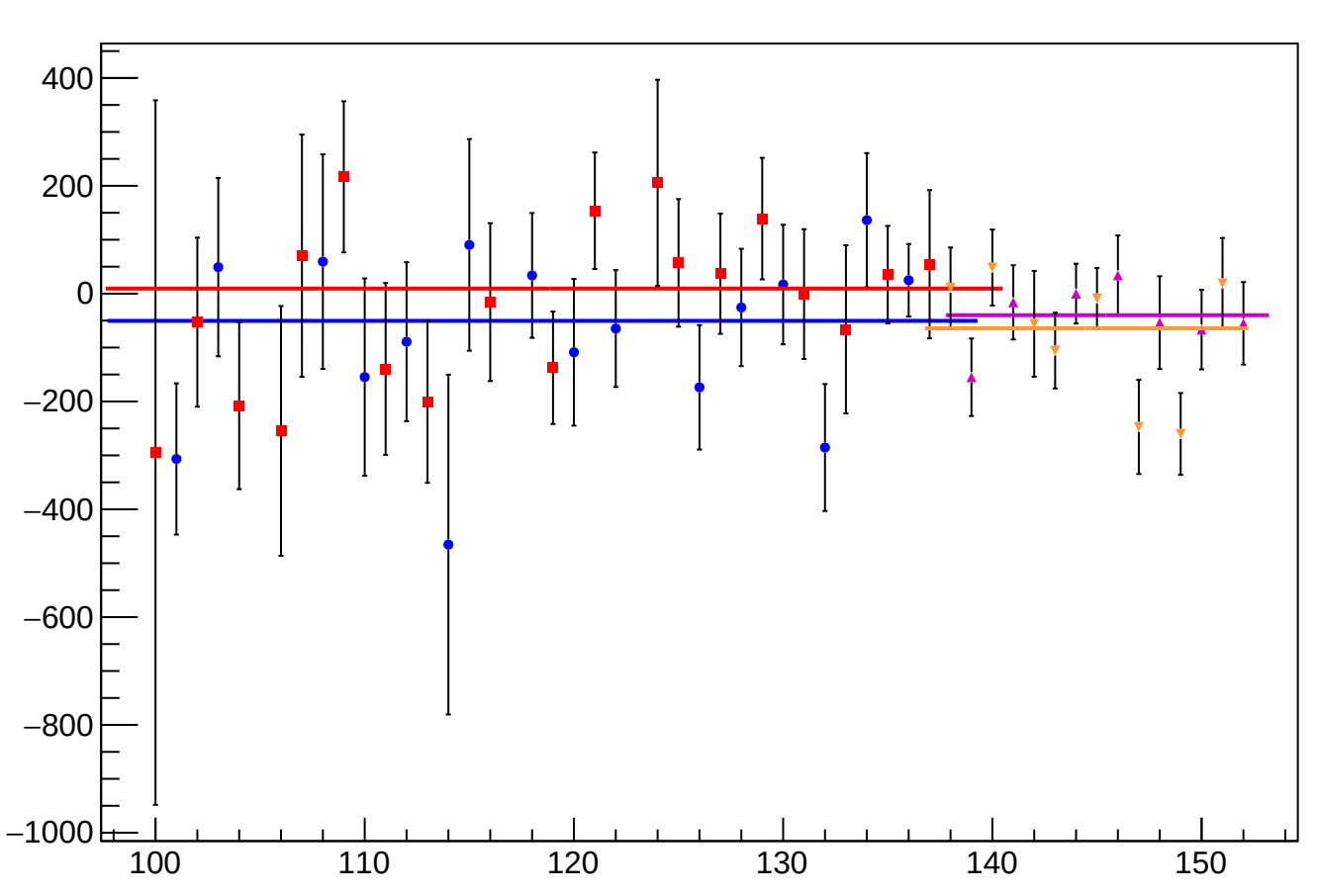
Left: 357.931+/-0.075 χ^2/NDF: 1314275.7/14

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 433.420+/-0.092 χ^2/NDF:4273303.5/22

Out: 439.410+/-0.094 χ^2/NDF:5068059.5/26

All: 436.364+/-0.066 χ^2/NDF: 9343446.1/49



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: -39.972+/-26.704 χ^2/NDF:4.4/6

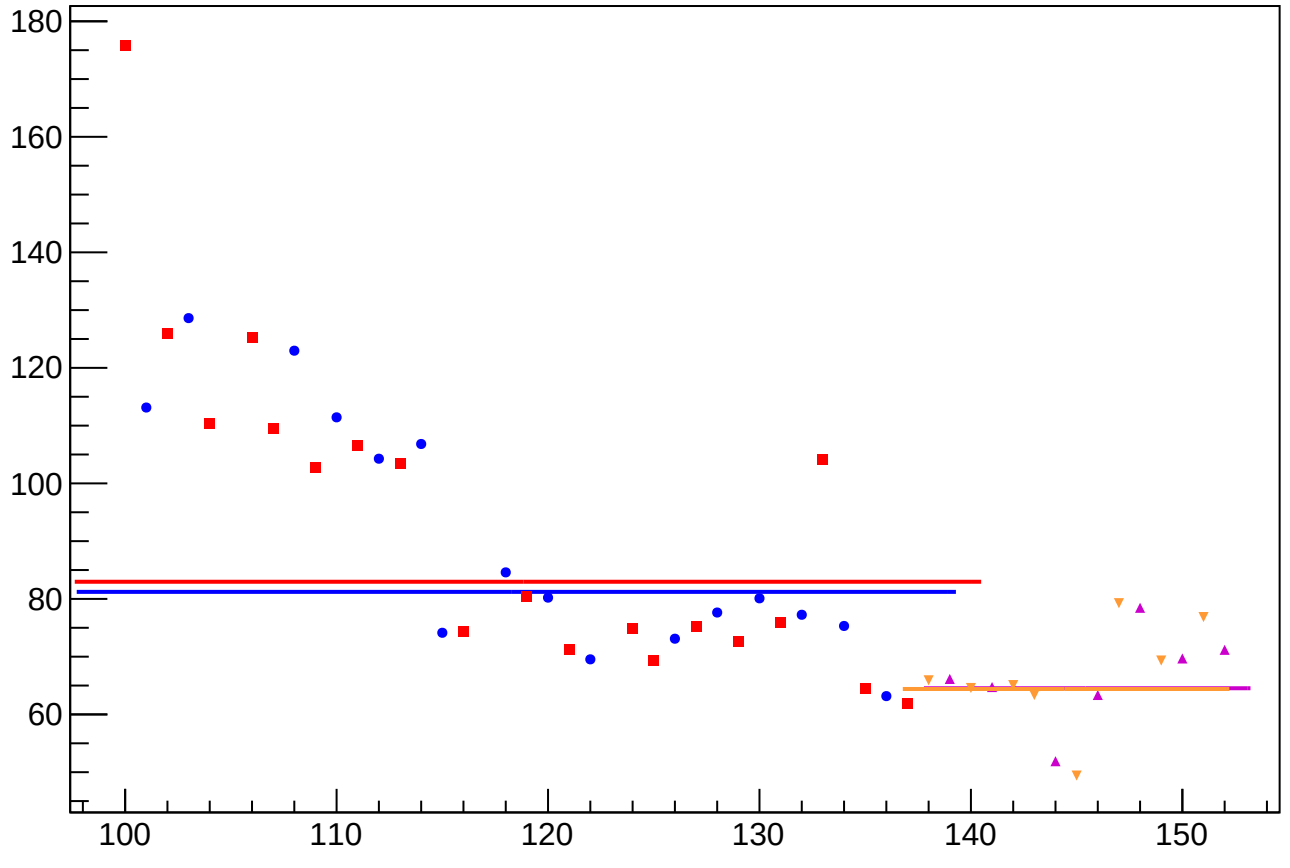
Left: -52.347+/-18.733 χ^2/NDF: 21.7/14

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -44.432+/-20.249 χ^2/NDF:20.9/22

Out: -33.775+/-20.111 χ^2/NDF:35.7/26

All: -39.067+/-14.269 χ^2/NDF: 56.8/49



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: 64.534+/-0.019 χ^2/NDF:182764.7/6

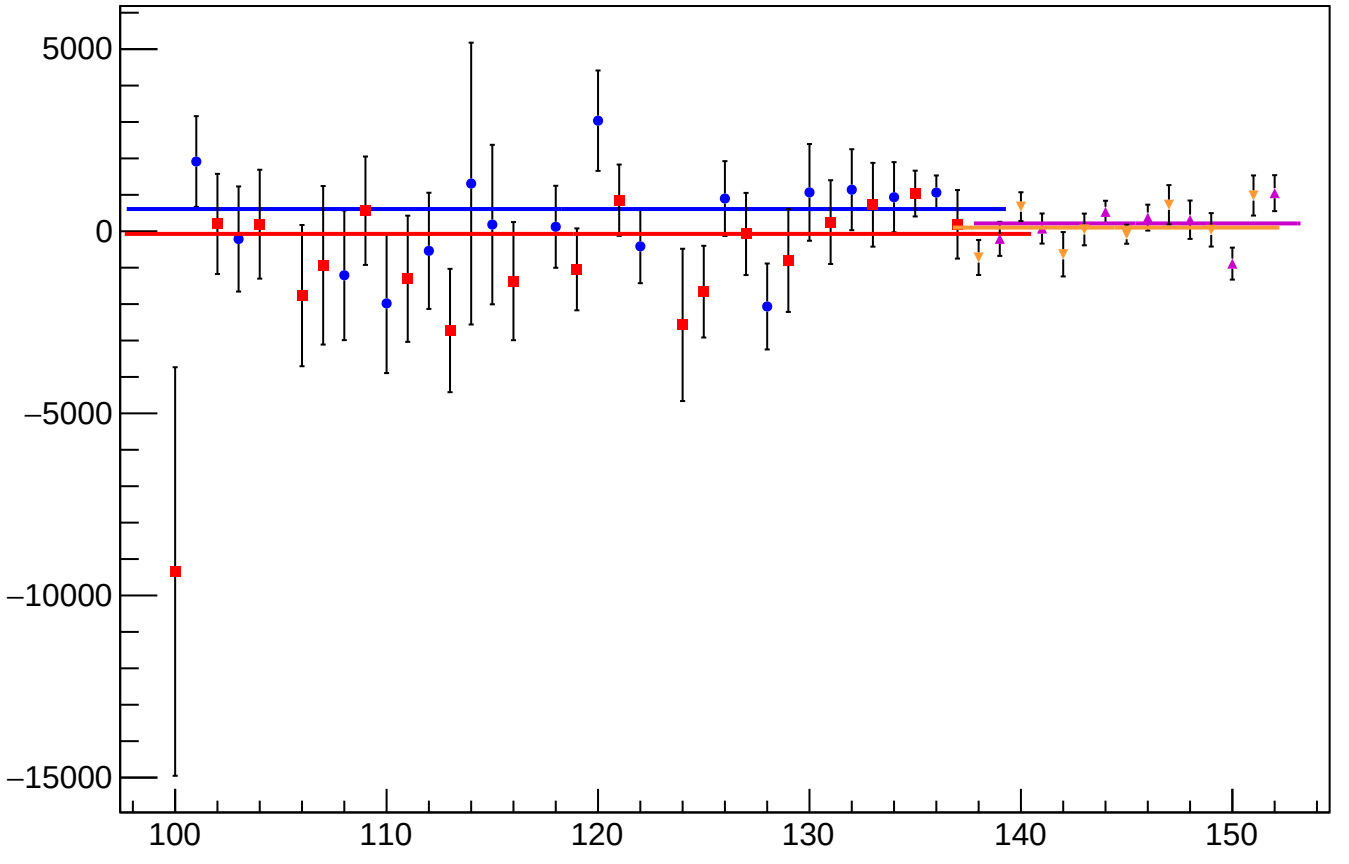
Left: 64.469+/-0.013 χ^2/NDF: 435711.9/14

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.625+/-0.014 χ^2/NDF:1177433.6/22

Out: 72.103+/-0.014 χ^2/NDF:1396929.8/26

All: 71.865+/-0.010 χ^2/NDF: 2574924.7/49



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: 214.414+/-154.370 χ^2/NDF:11.4/6

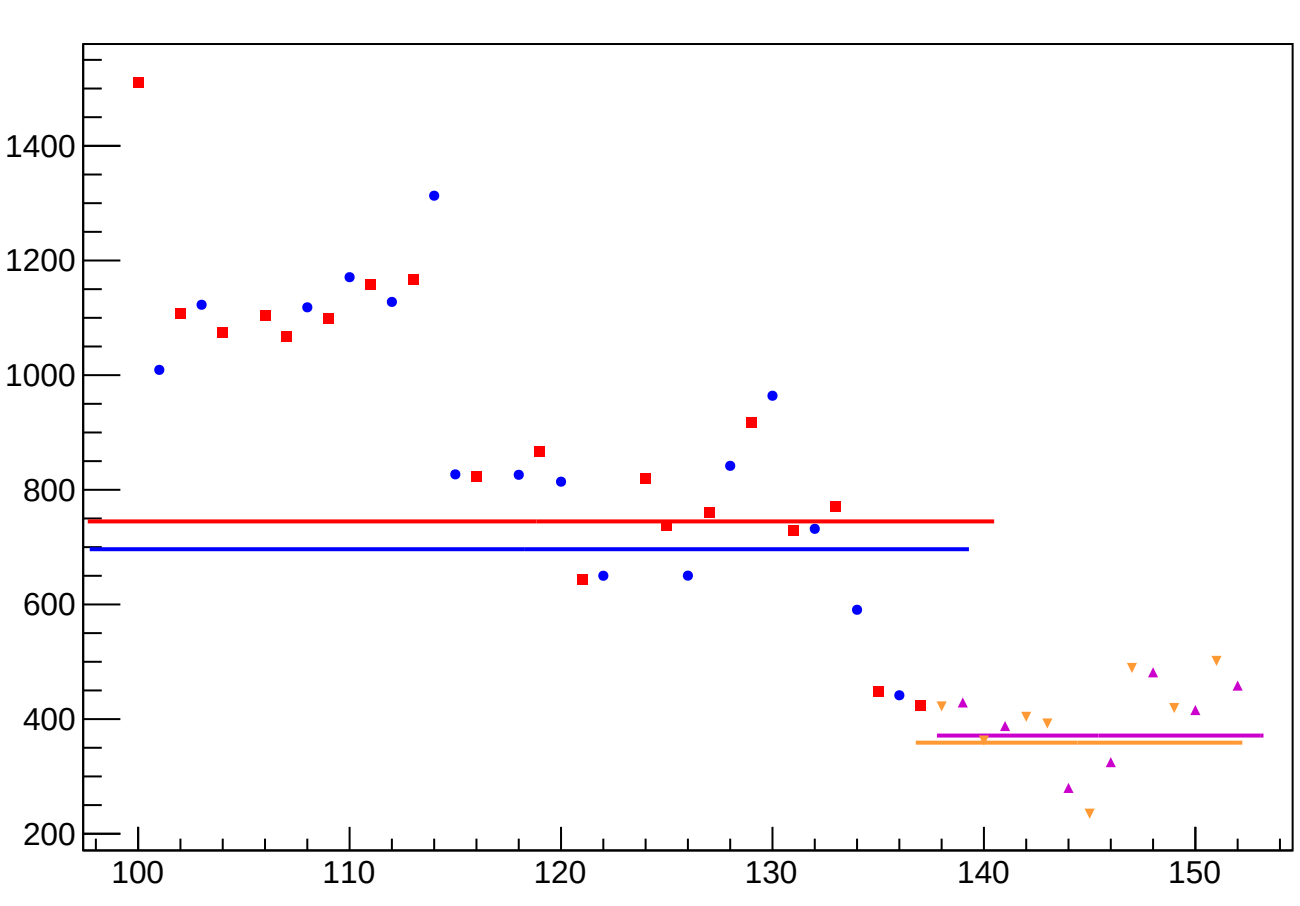
Left: 155.813+/-107.416 χ^2/NDF: 22.6/14

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 309.826+/-134.491 χ^2/NDF:28.8/22

Out: 63.800+/-132.616 χ^2/NDF:27.4/26

All: 185.086+/-94.430 χ^2/NDF: 57.8/49



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: 371.307+/-0.109 χ^2/NDF:417462.8/6

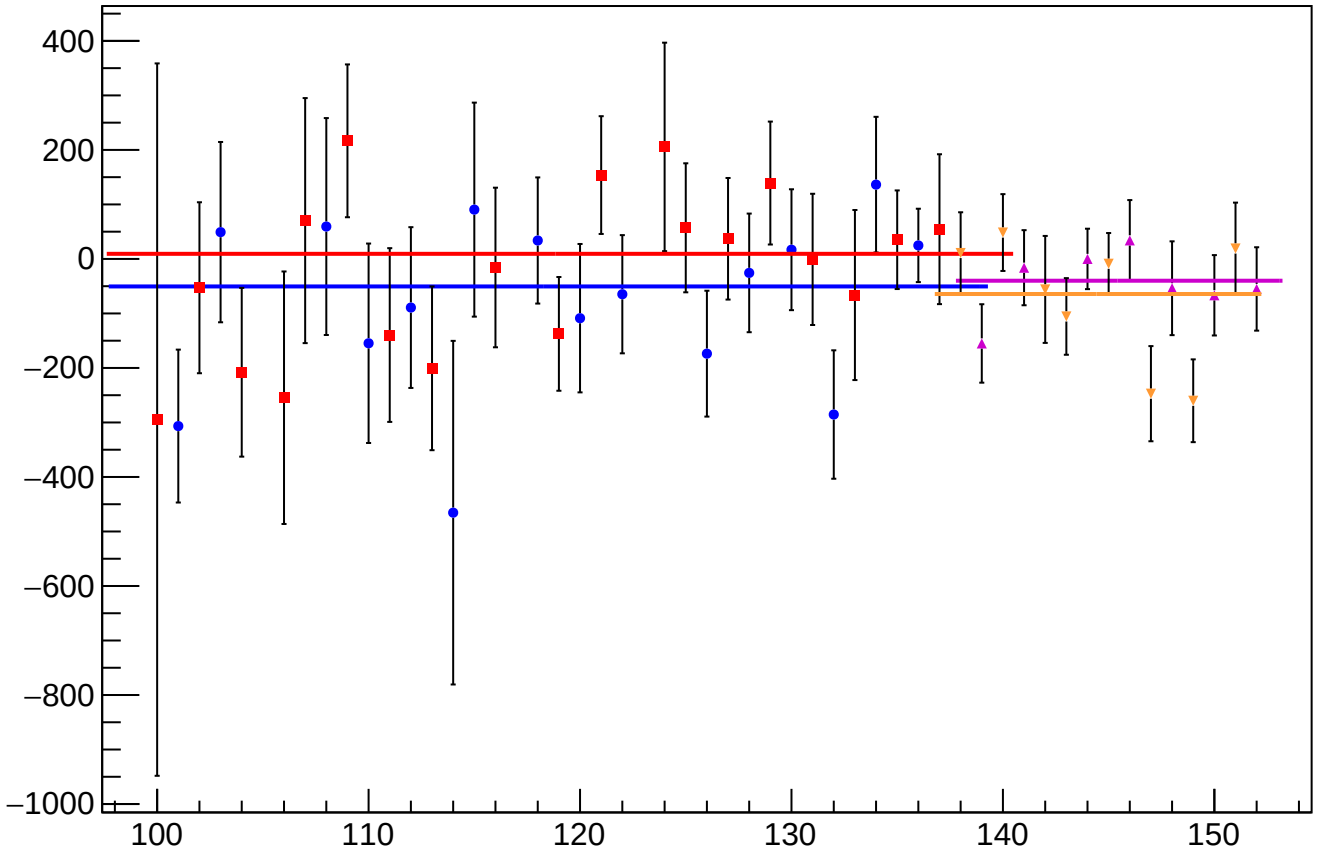
Left: 364.923+/-0.076 χ^2/NDF: 1213849.3/14

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 449.635+/-0.095 χ^2/NDF:4069857.6/22

Out: 441.432+/-0.094 χ^2/NDF:5135084.4/26

All: 445.476+/-0.067 χ^2/NDF: 9208713.9/49



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: -39.971+/-26.704 χ^2/NDF:4.4/6

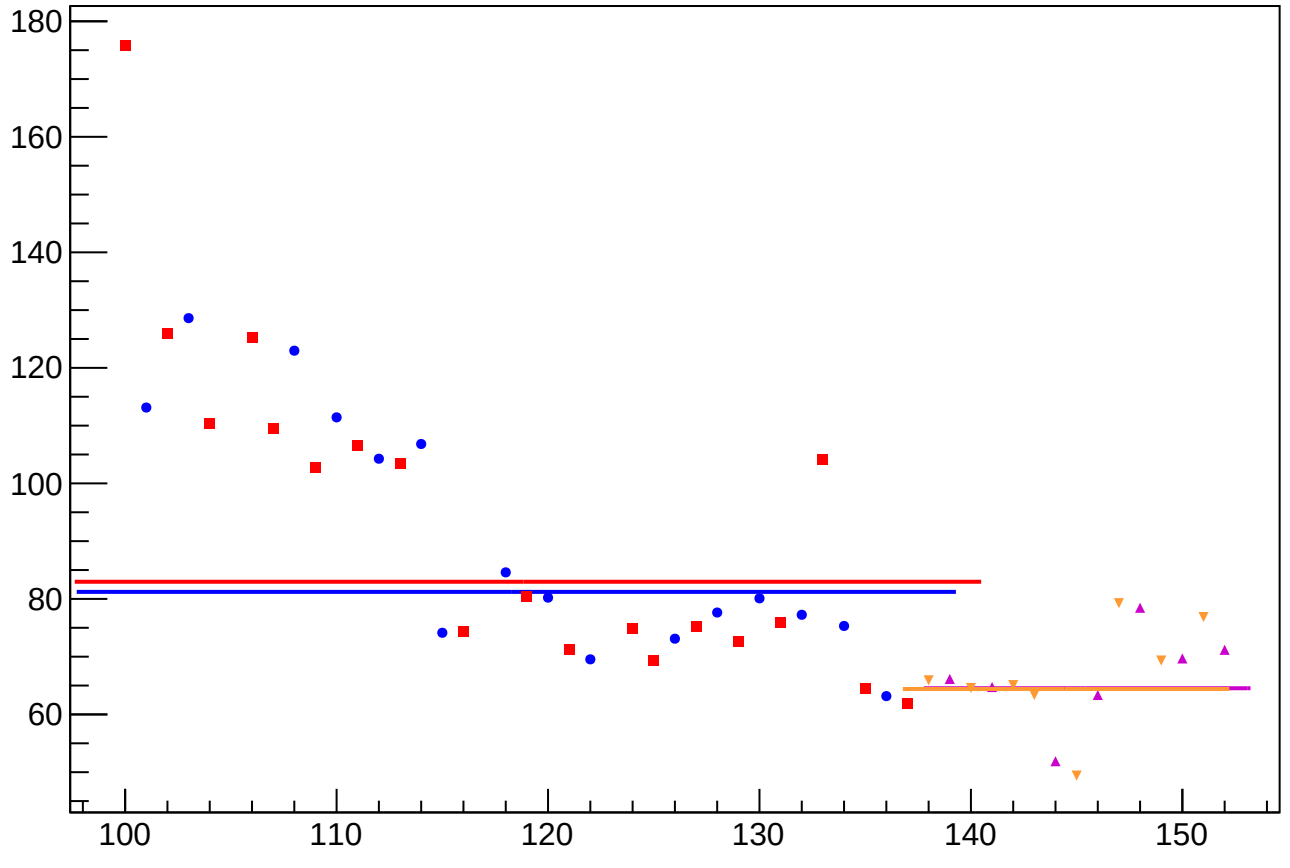
Left: -52.347+/-18.733 χ^2/NDF: 21.7/14

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -44.431+/-20.249 χ^2/NDF:20.9/22

Out: -33.775+/-20.111 χ^2/NDF:35.7/26

All: -39.067+/-14.269 χ^2/NDF: 56.8/49



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: 64.534+/-0.019 χ^2/NDF:182764.9/6

Left: 64.469+/-0.013 χ^2/NDF: 435708.4/14

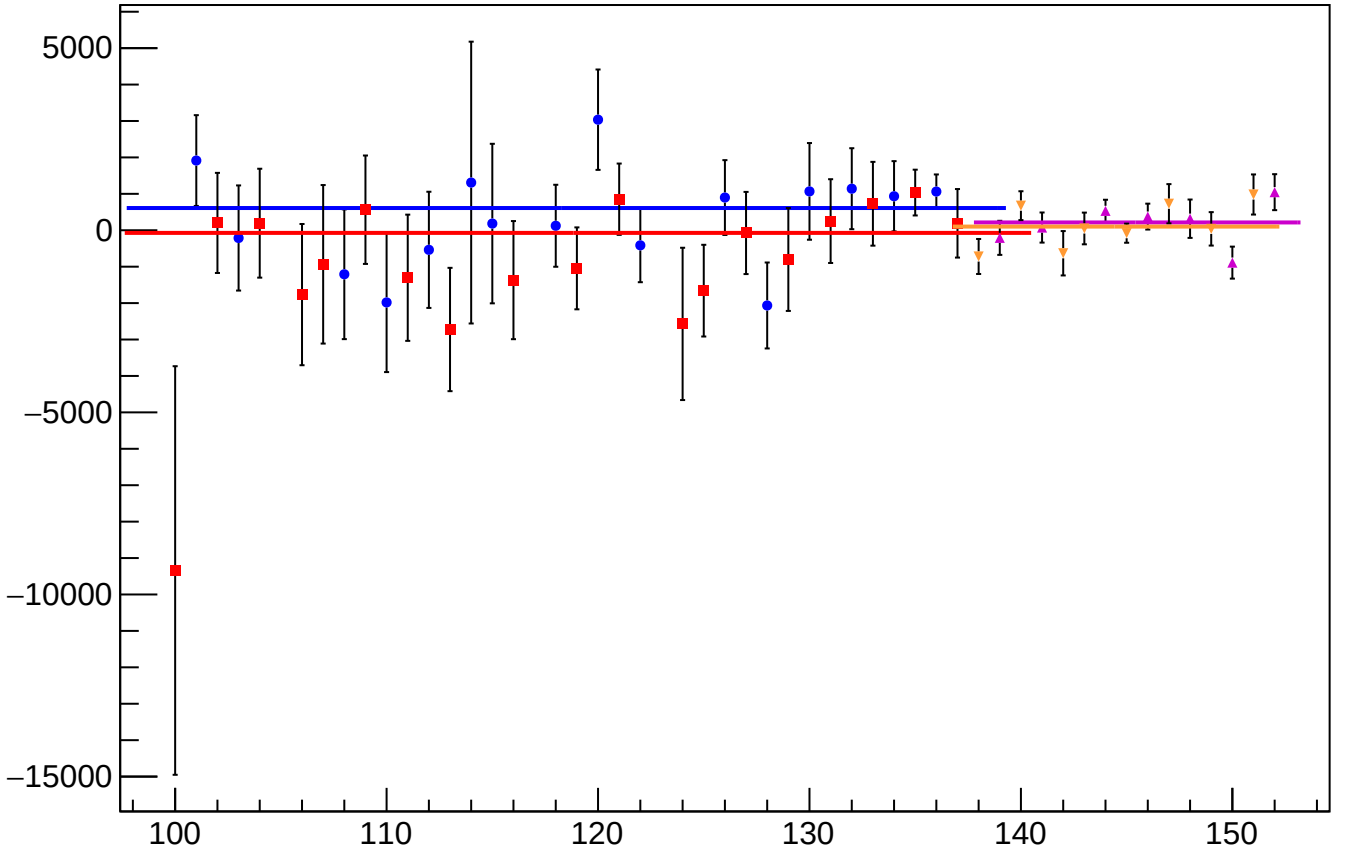
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.625+/-0.014 χ^2/NDF:1177394.5/22

Out: 72.103+/-0.014 χ^2/NDF:1396892.5/26

All: 71.865+/-0.010 χ^2/NDF: 2574848.3/49

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: 214.414+/-154.370 χ^2/NDF:11.4/6

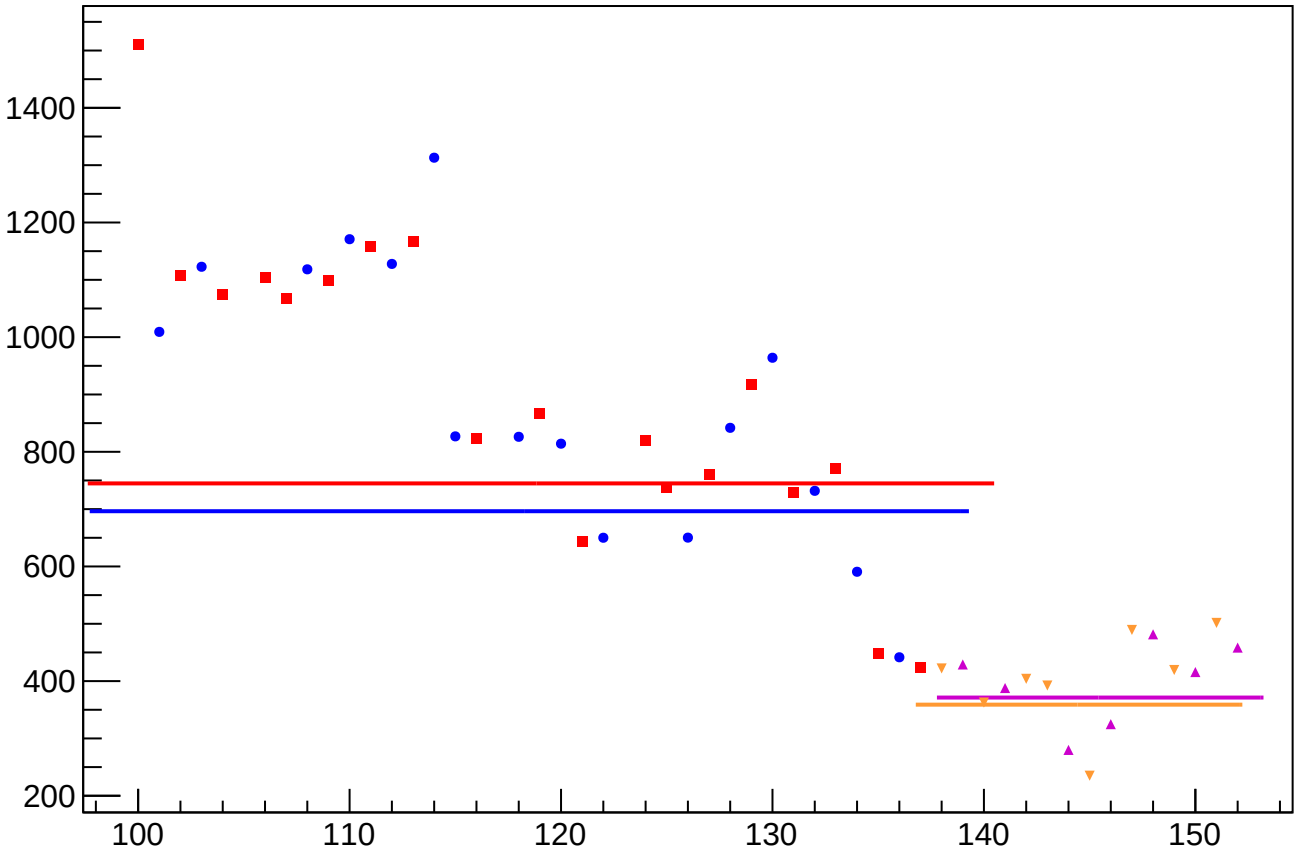
Left: 155.813+/-107.416 χ^2/NDF: 22.6/14

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 309.827+/-134.491 χ^2/NDF:28.8/22

Out: 63.799+/-132.616 χ^2/NDF:27.4/26

All: 185.086+/-94.430 χ^2/NDF: 57.8/49



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: 371.307+/-0.109 χ^2/NDF:417468.3/6

Left: 364.923+/-0.076 χ^2/NDF: 1213870.9/14

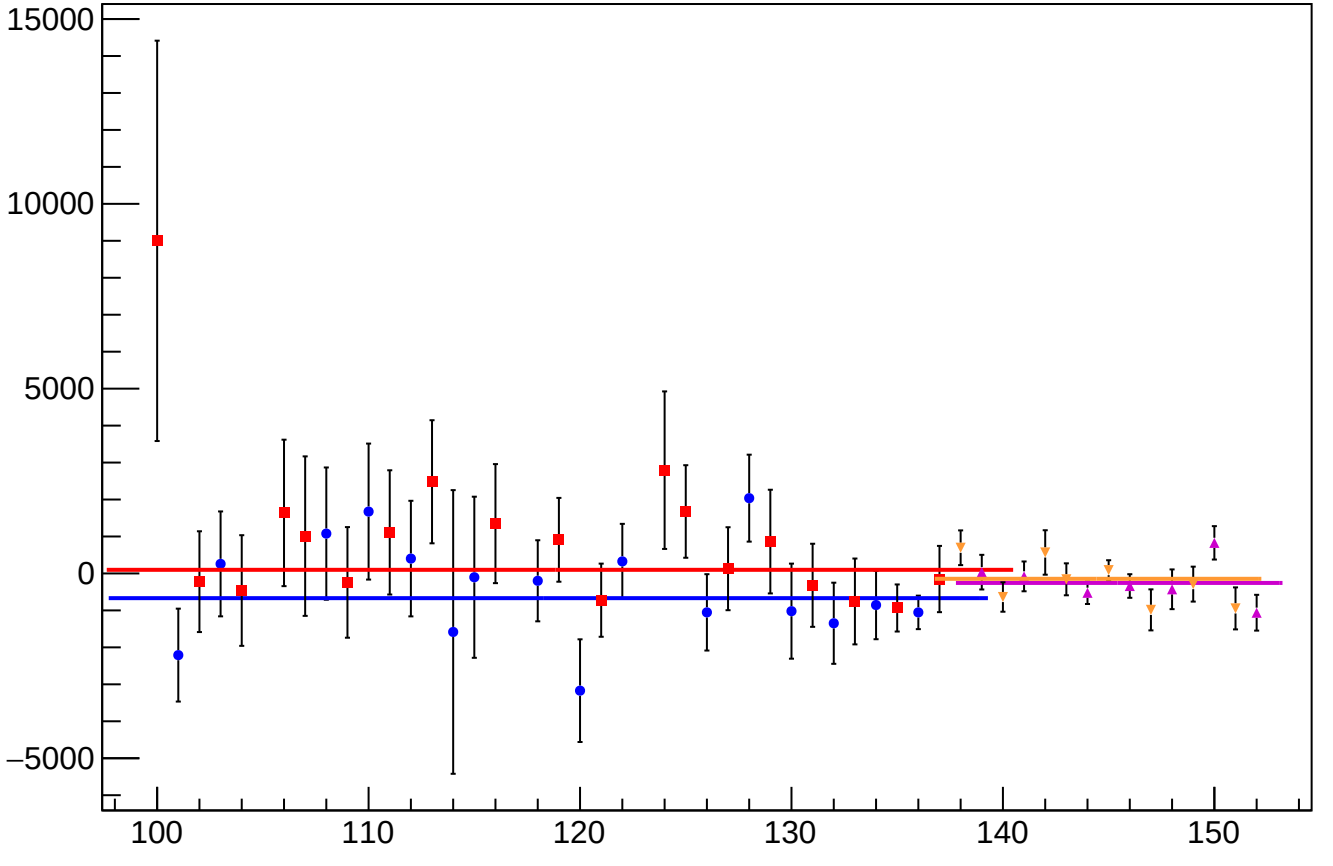
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 449.635+/-0.095 χ^2/NDF:4069840.4/22

Out: 441.432+/-0.094 χ^2/NDF:5135085.5/26

All: 445.476+/-0.067 χ^2/NDF: 9208698.2/49

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: -256.751+/-150.777 χ^2/NDF:10.0/6

Left: -200.995+/-106.789 χ^2/NDF: 21.6/14

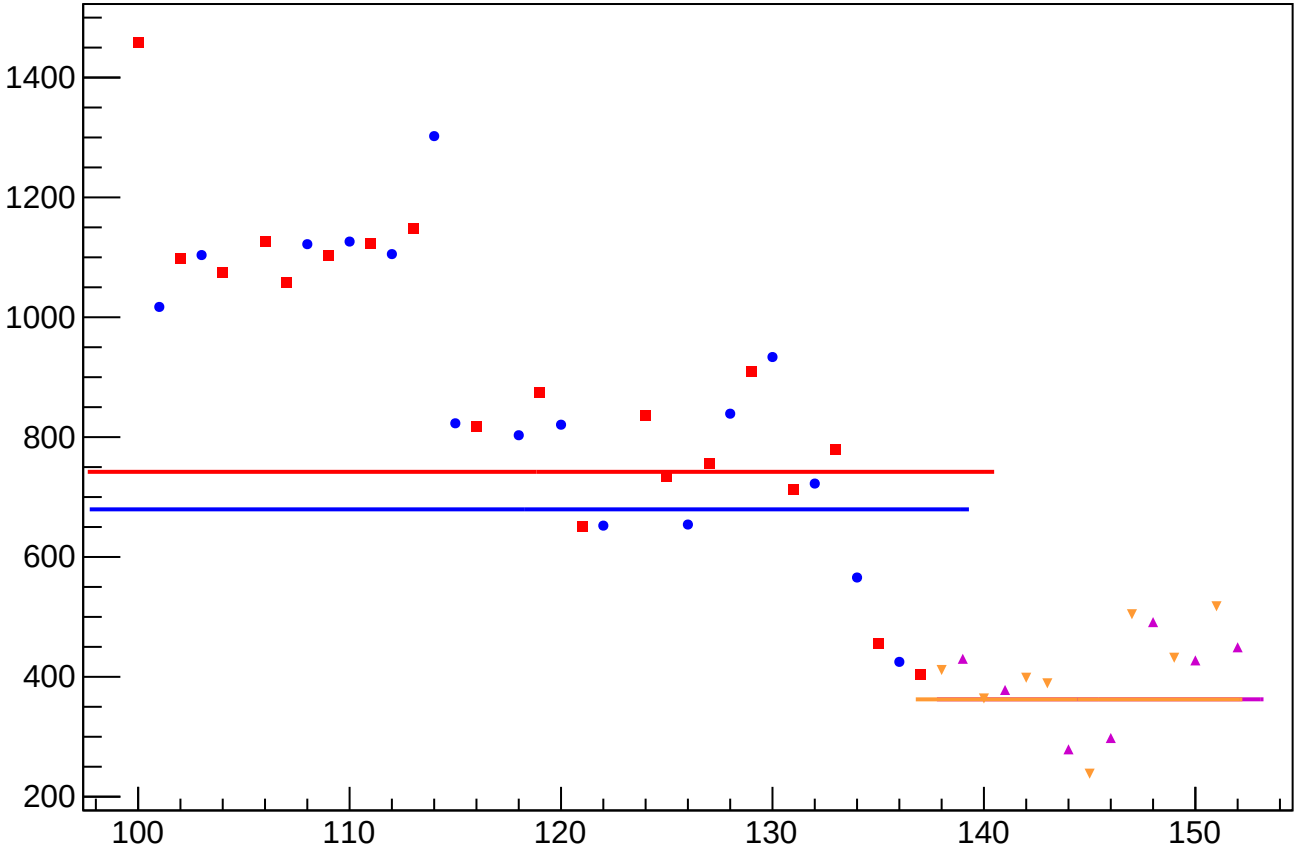
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -355.491+/-131.461 χ^2/NDF:28.0/22

Out: -91.749+/-133.705 χ^2/NDF:26.7/26

All: -225.852+/-93.740 χ^2/NDF: 56.6/49

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: 362.491+/-0.107 χ^2/NDF:498046.4/6

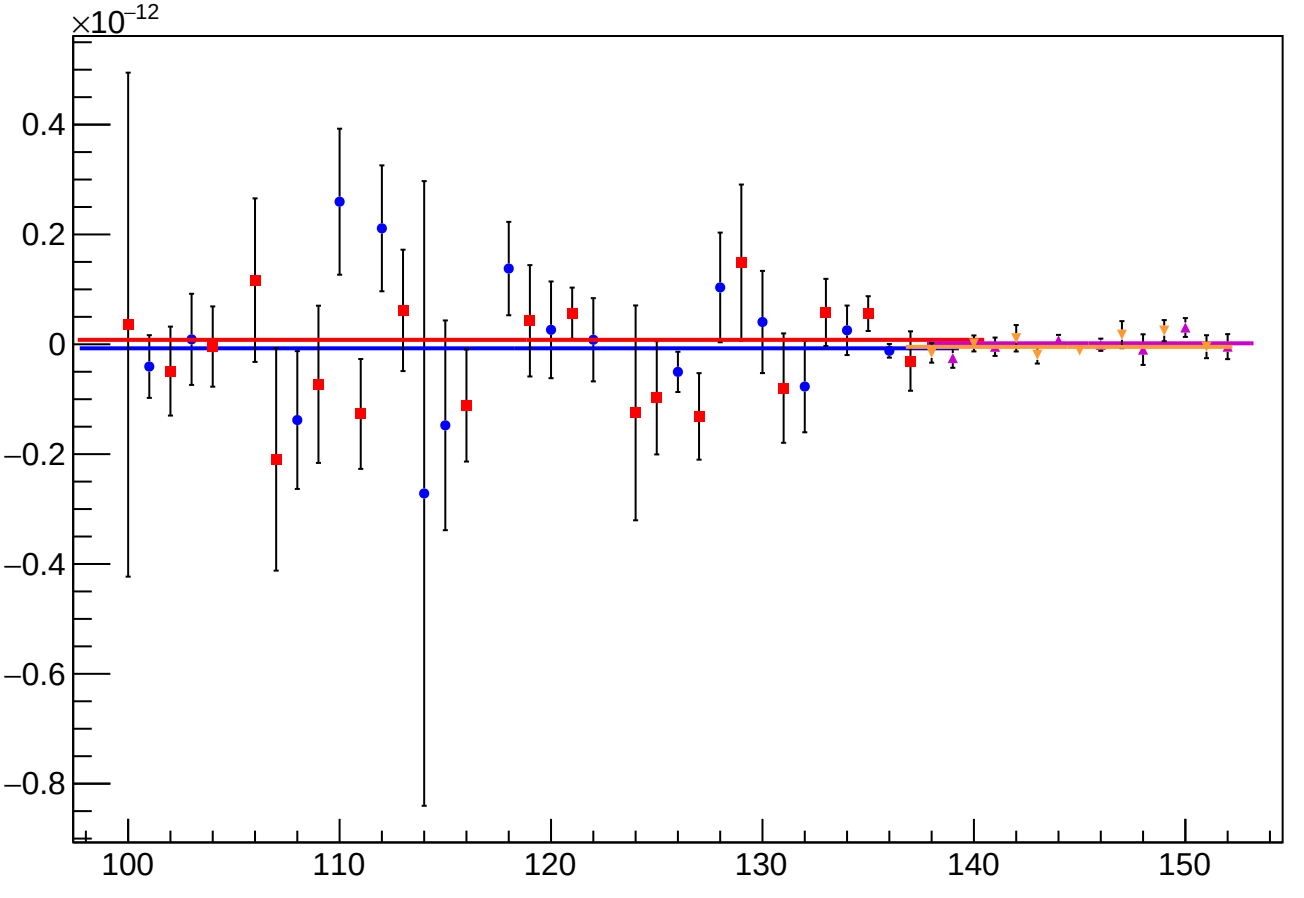
Left: 362.452+/-0.076 χ^2/NDF: 1286409.2/14

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 438.504+/-0.093 χ^2/NDF:4218683.3/22

Out: 445.460+/-0.095 χ^2/NDF:5048643.2/26

All: 441.923+/-0.066 χ^2/NDF: 9270079.2/49



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:5.8/6

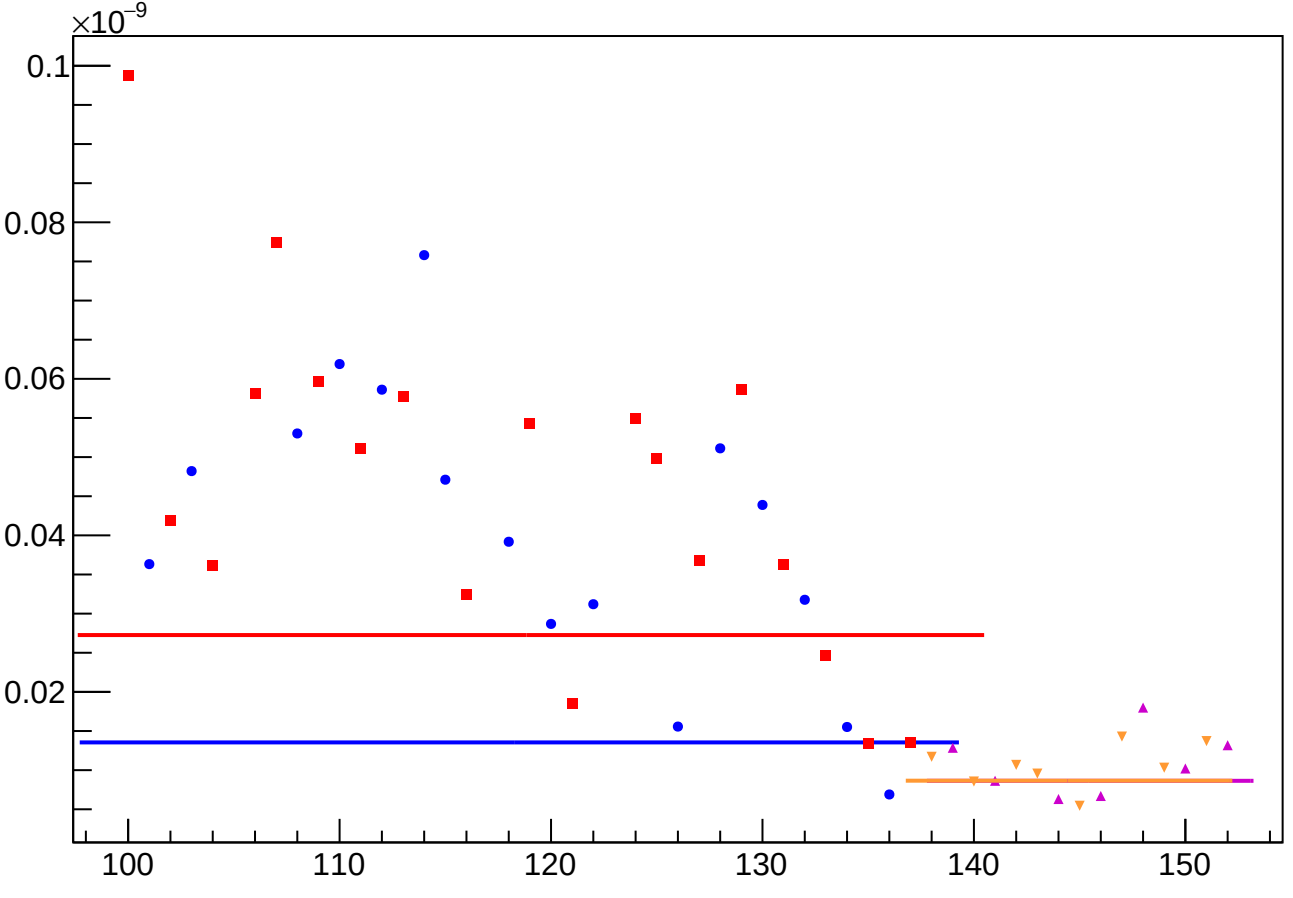
Left: -0.000+/-0.000 χ^2/NDF: 12.0/14

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:23.6/22

Out: -0.000+/-0.000 χ^2/NDF:23.0/26

All: -0.000+/-0.000 χ^2/NDF: 46.9/49



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:605901.7/6

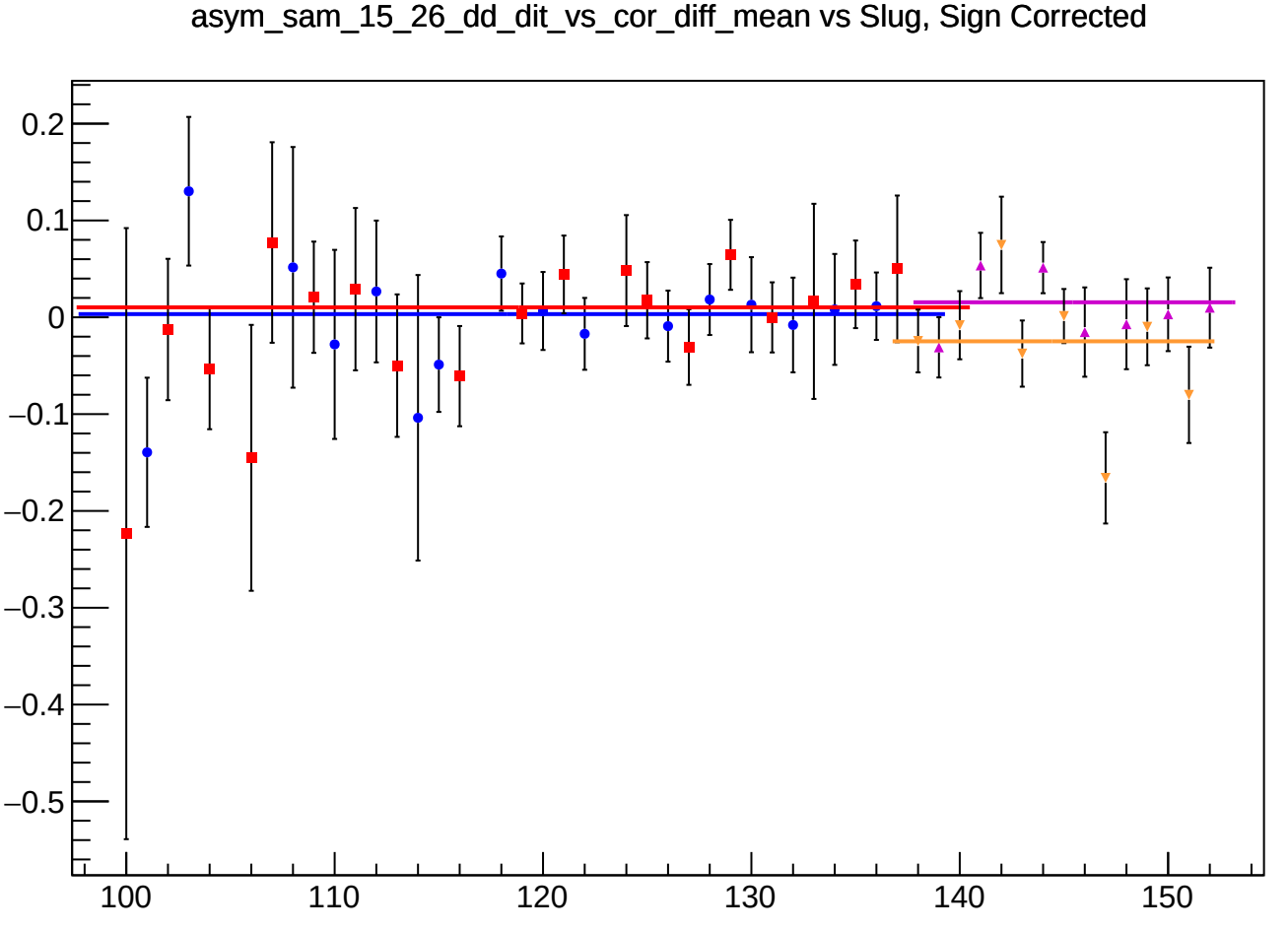
Left: 0.000+/-0.000 χ^2/NDF: 1187315.7/14

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:3993092.6/22

Out: 0.000+/-0.000 χ^2/NDF:4415078.3/26

All: 0.000+/-0.000 χ^2/NDF: 8423030.4/49



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: 0.015+/-0.013 χ^2/NDF:6.1/6

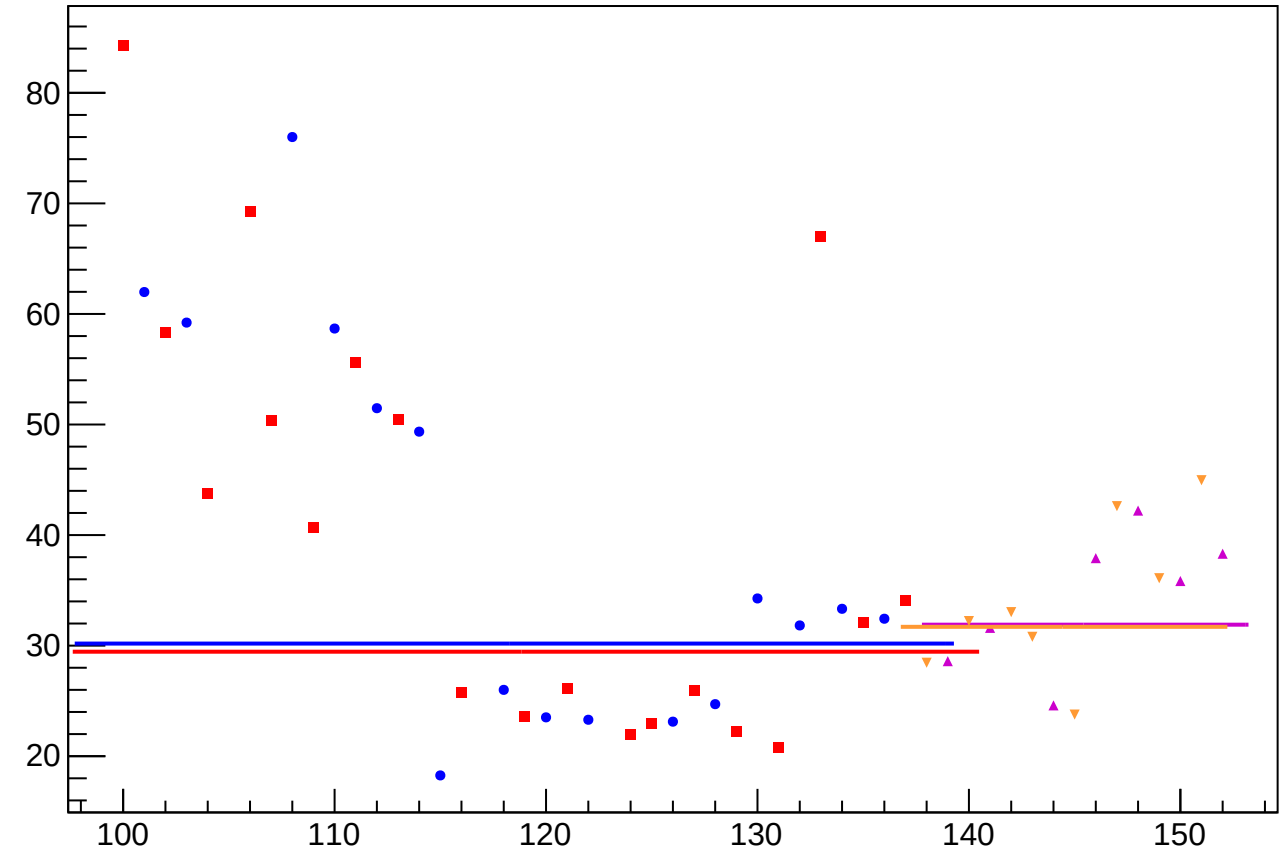
Left: -0.005+/-0.009 χ^2/NDF: 26.3/14

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.009+/-0.009 χ^2/NDF:16.7/22

Out: -0.005+/-0.009 χ^2/NDF:30.7/26

All: 0.002+/-0.006 χ^2/NDF: 48.7/49



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: 31.895+/-0.009 χ^2/NDF:377677.9/6

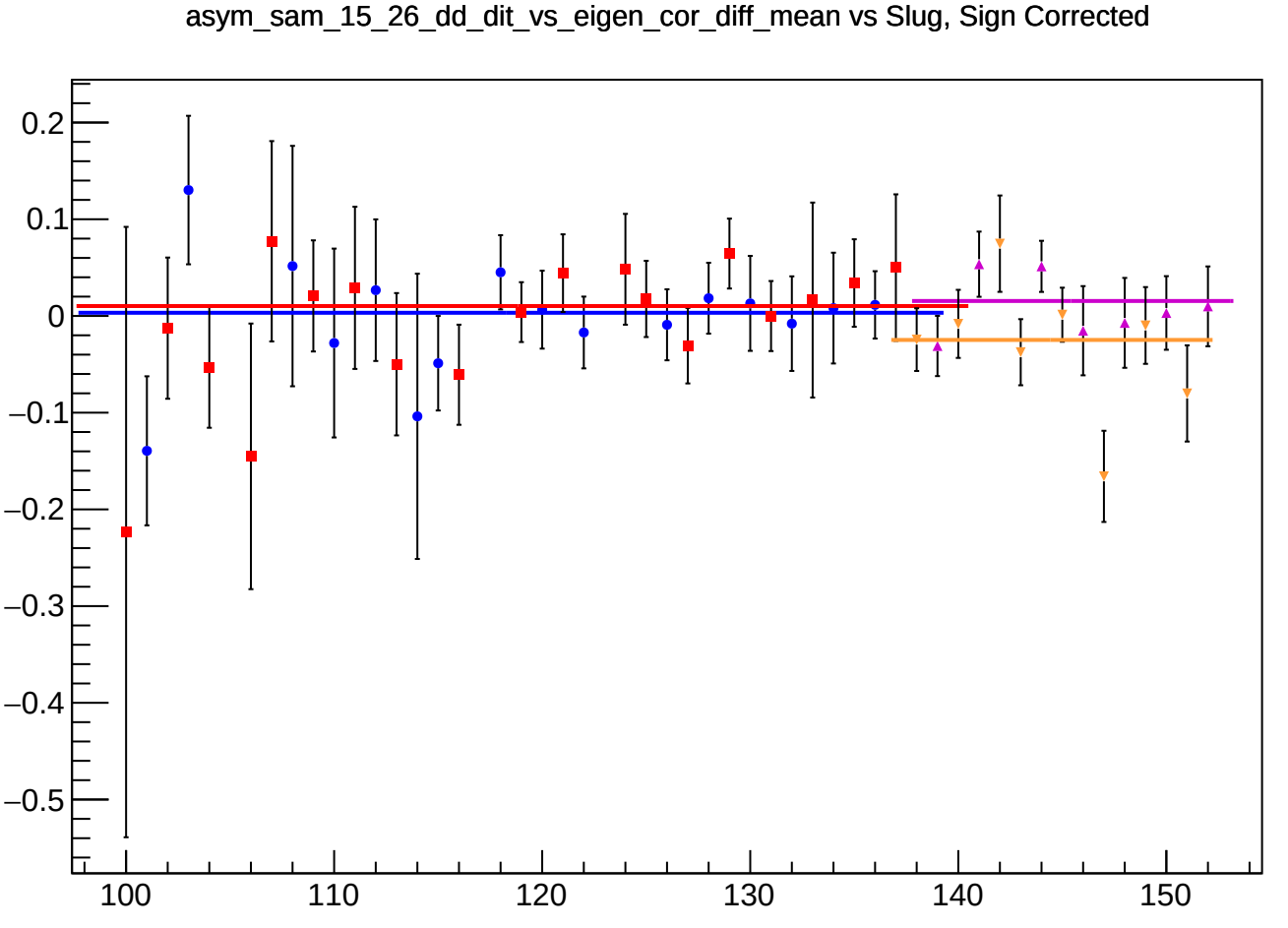
Left: 31.796+/-0.007 χ^2/NDF: 836302.2/14

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.965+/-0.006 χ^2/NDF:2082692.0/22

Out: 30.457+/-0.006 χ^2/NDF:2339456.8/26

All: 30.703+/-0.004 χ^2/NDF: 4425396.7/49



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: 0.015+/-0.013 χ^2/NDF:6.1/6

Left: -0.005+/-0.009 χ^2/NDF: 26.3/14

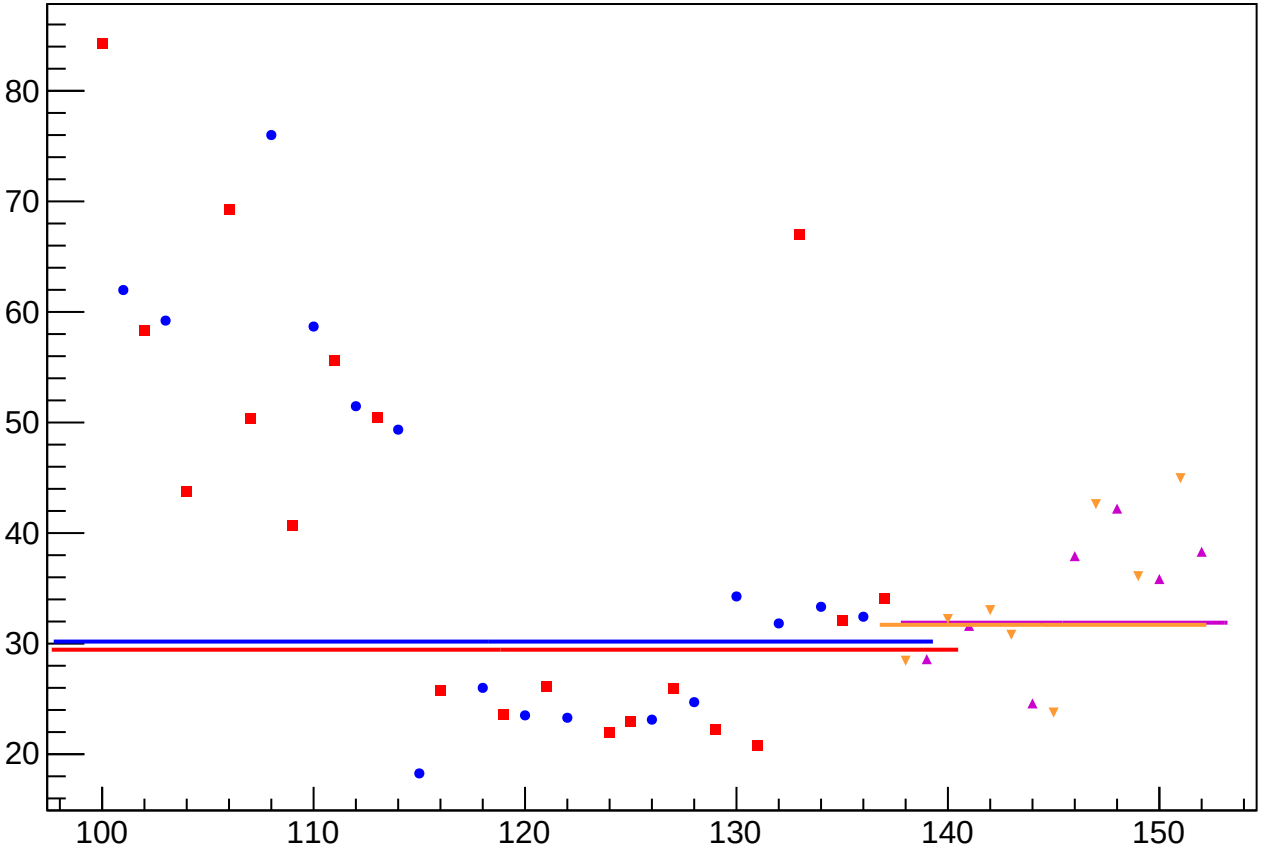
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.009+/-0.009 χ^2/NDF:16.7/22

Out: -0.005+/-0.009 χ^2/NDF:30.7/26

All: 0.002+/-0.006 χ^2/NDF: 48.7/49

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.702+/-0.009 χ^2/NDF:458412.0/7

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.895+/-0.009 χ^2/NDF:377677.9/6

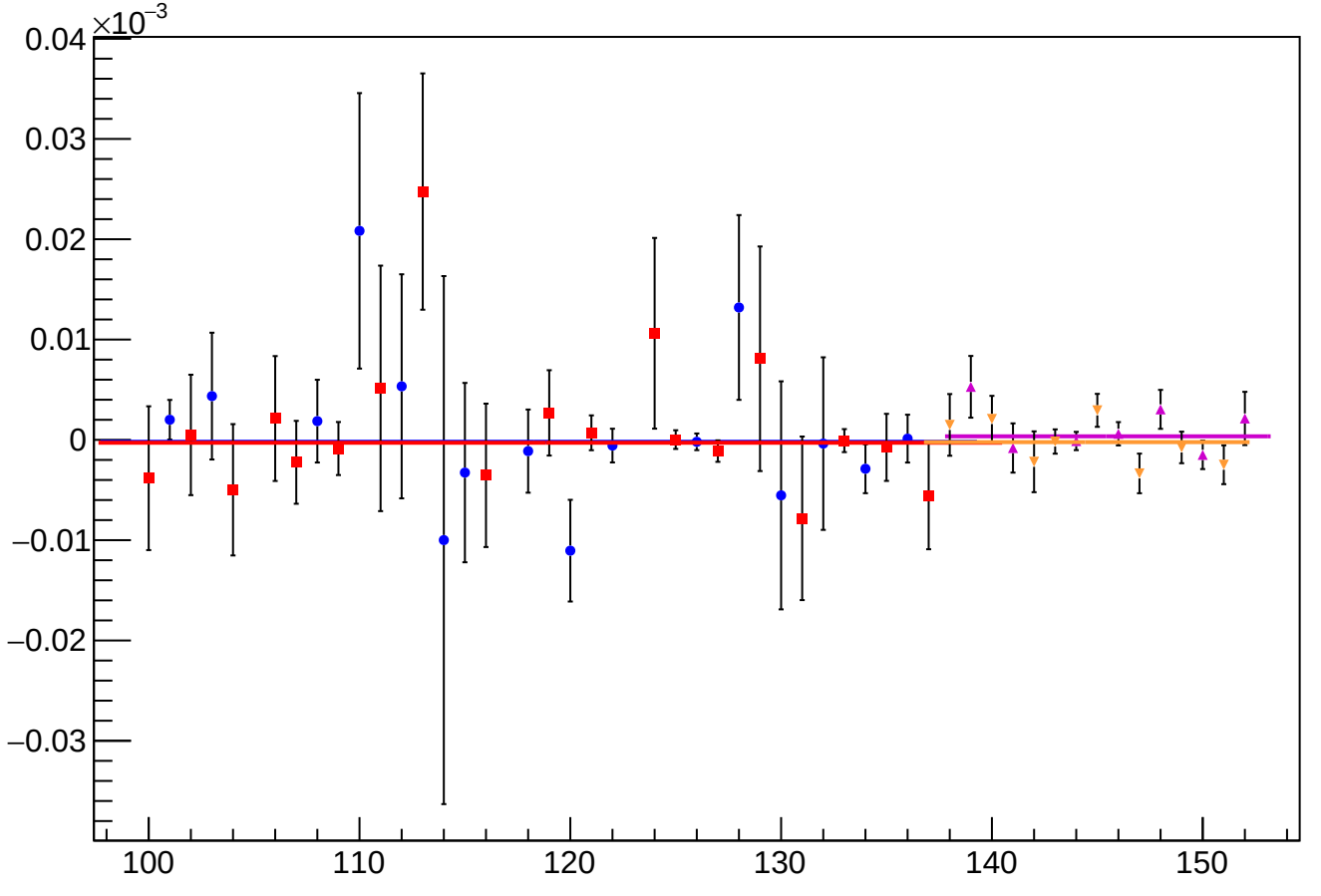
Left: 31.796+/-0.007 χ^2/NDF: 836302.2/14

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.965+/-0.006 χ^2/NDF:2082692.0/22

Out: 30.457+/-0.006 χ^2/NDF:2339456.8/26

All: 30.703+/-0.004 χ^2/NDF: 4425396.7/49



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:7.2/6

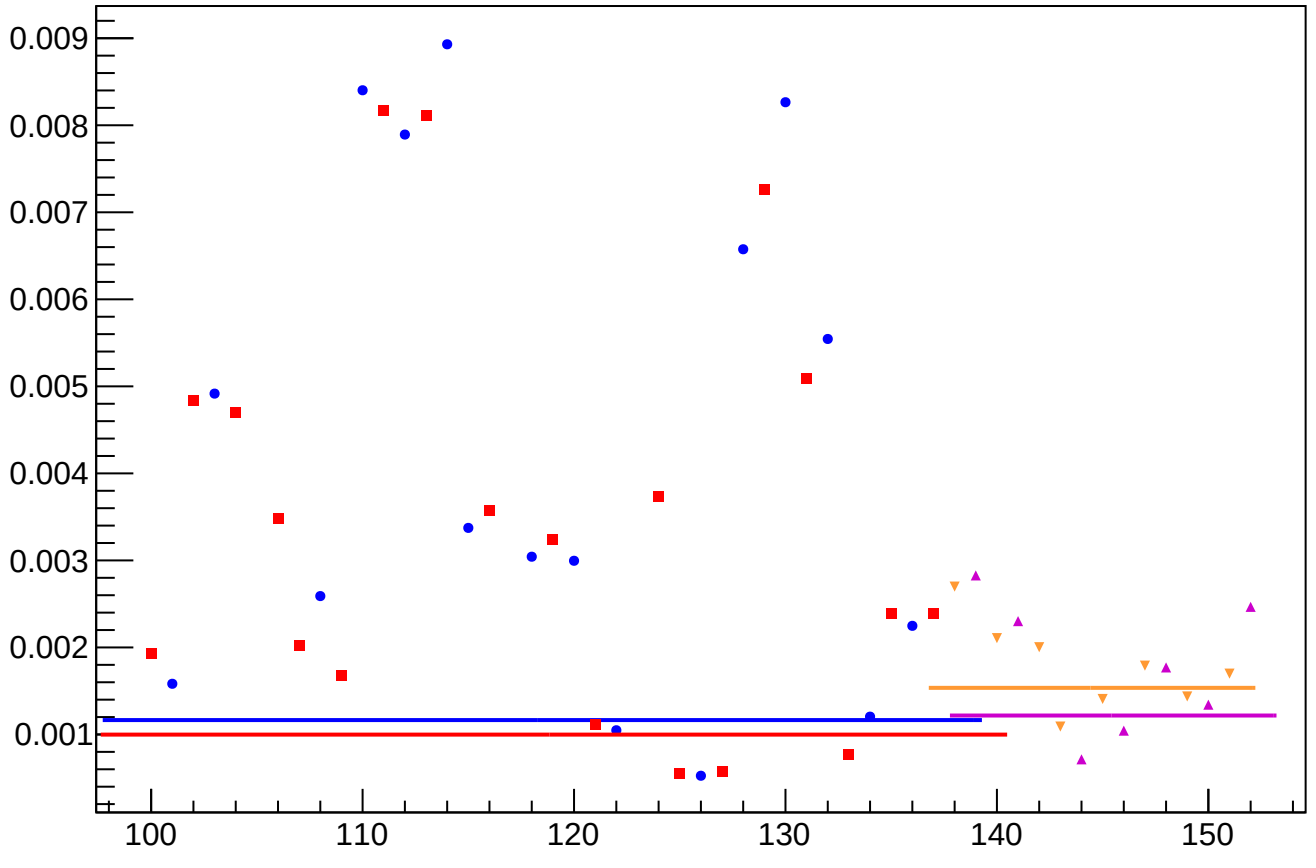
Left: 0.000+/-0.000 χ^2/NDF: 17.0/14

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:20.7/22

Out: -0.000+/-0.000 χ^2/NDF:20.8/26

All: -0.000+/-0.000 χ^2/NDF: 41.9/49



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:2214150.6/6

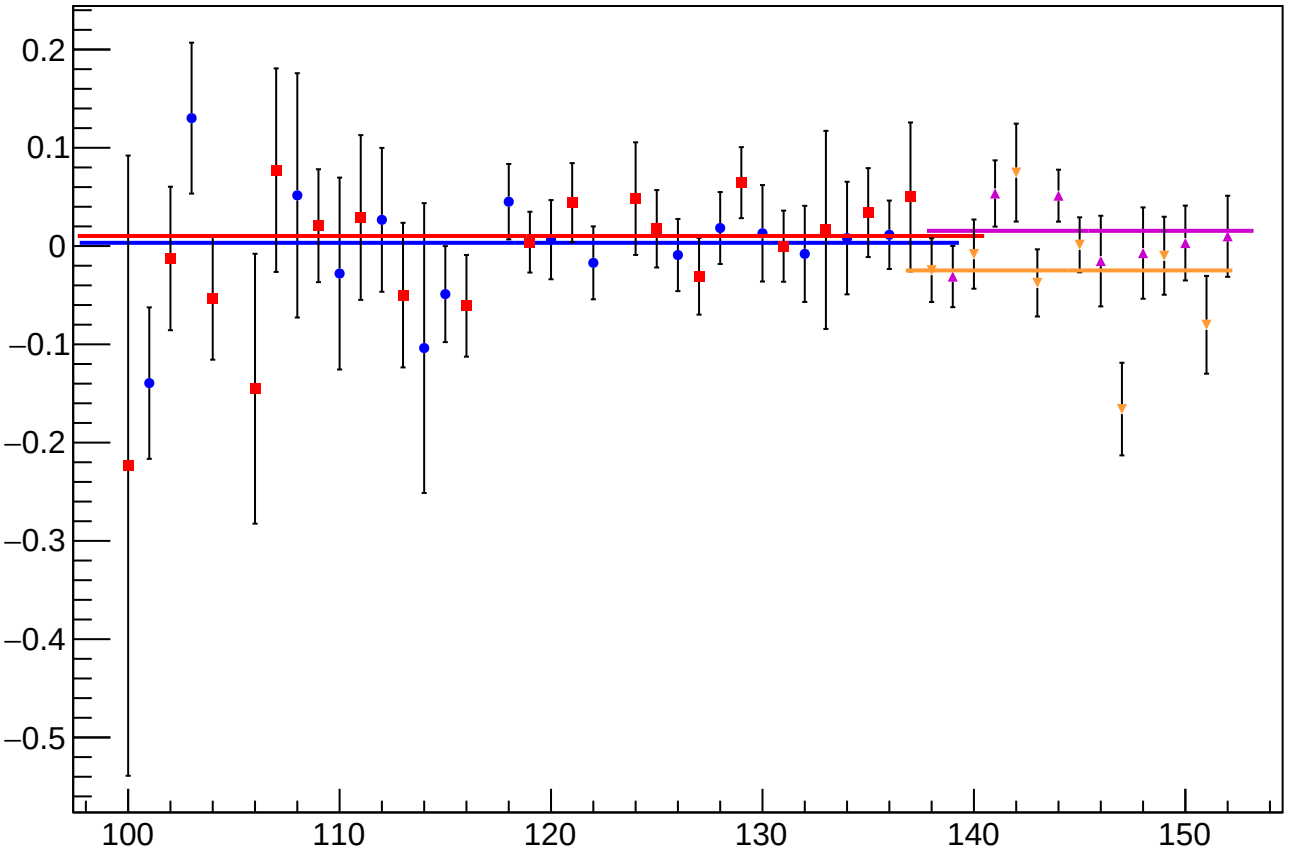
Left: 0.001+/-0.000 χ^2/NDF: 3281250.8/14

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:9103786.1/22

Out: 0.001+/-0.000 χ^2/NDF:8564766.6/26

All: 0.001+/-0.000 χ^2/NDF: 17670127.9/49



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: 0.015+/-0.013 χ^2/NDF:6.1/6

Left: -0.005+/-0.009 χ^2/NDF: 26.3/14

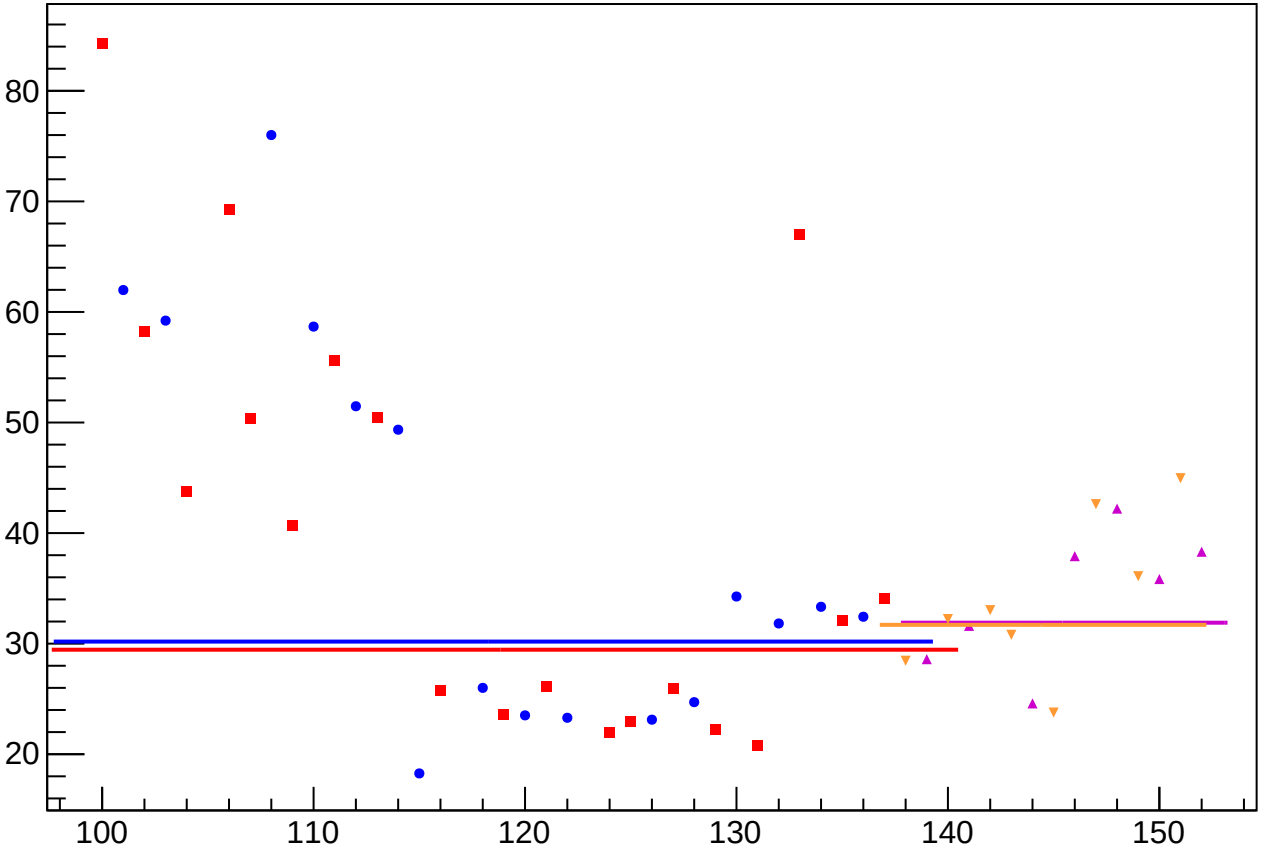
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.009+/-0.009 χ^2/NDF:16.7/22

Out: -0.005+/-0.009 χ^2/NDF:30.7/26

All: 0.002+/-0.006 χ^2/NDF: 48.7/49

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: 31.896+/-0.009 χ^2/NDF:377670.5/6

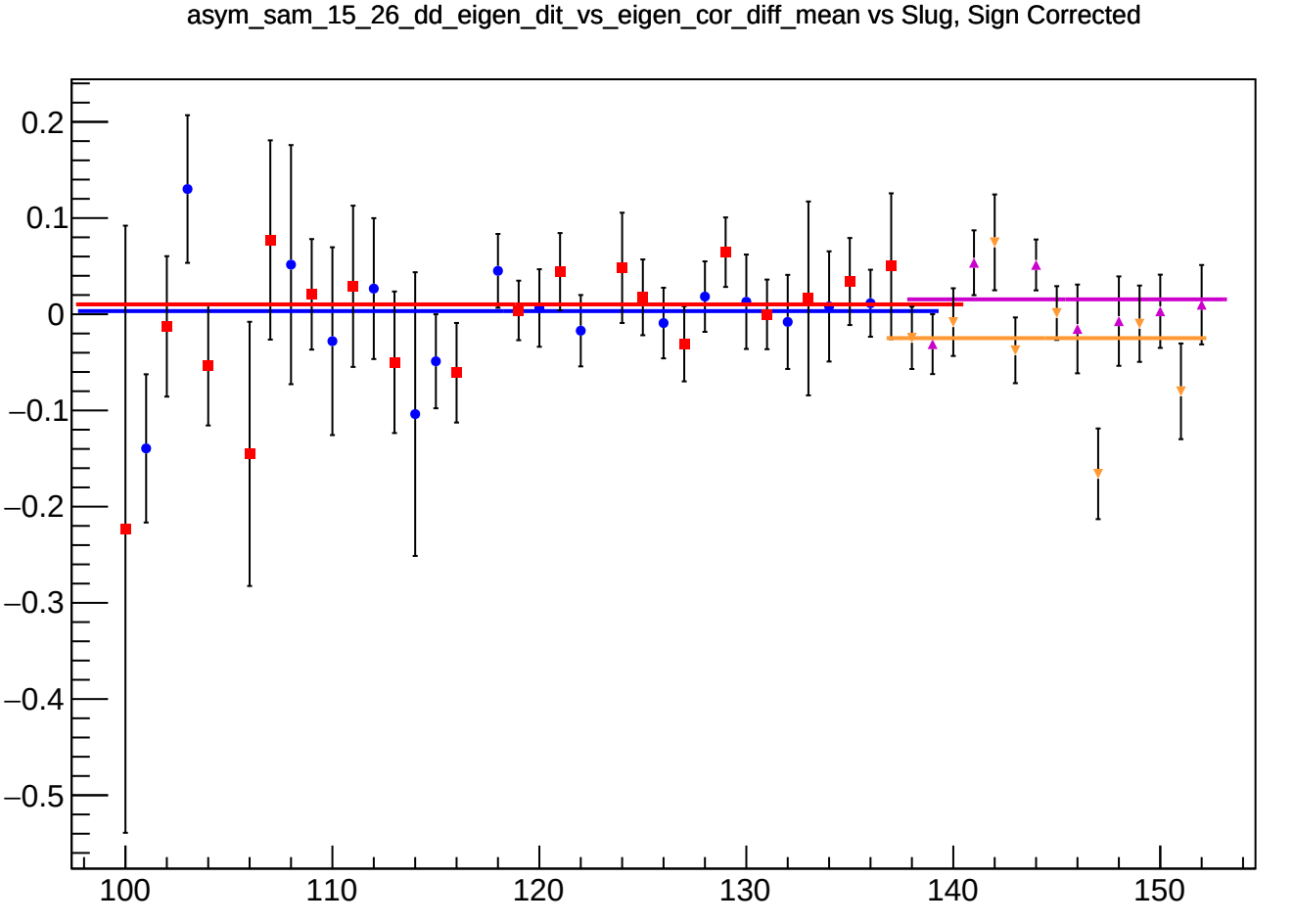
Left: 31.797+/-0.007 χ^2/NDF: 836271.1/14

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

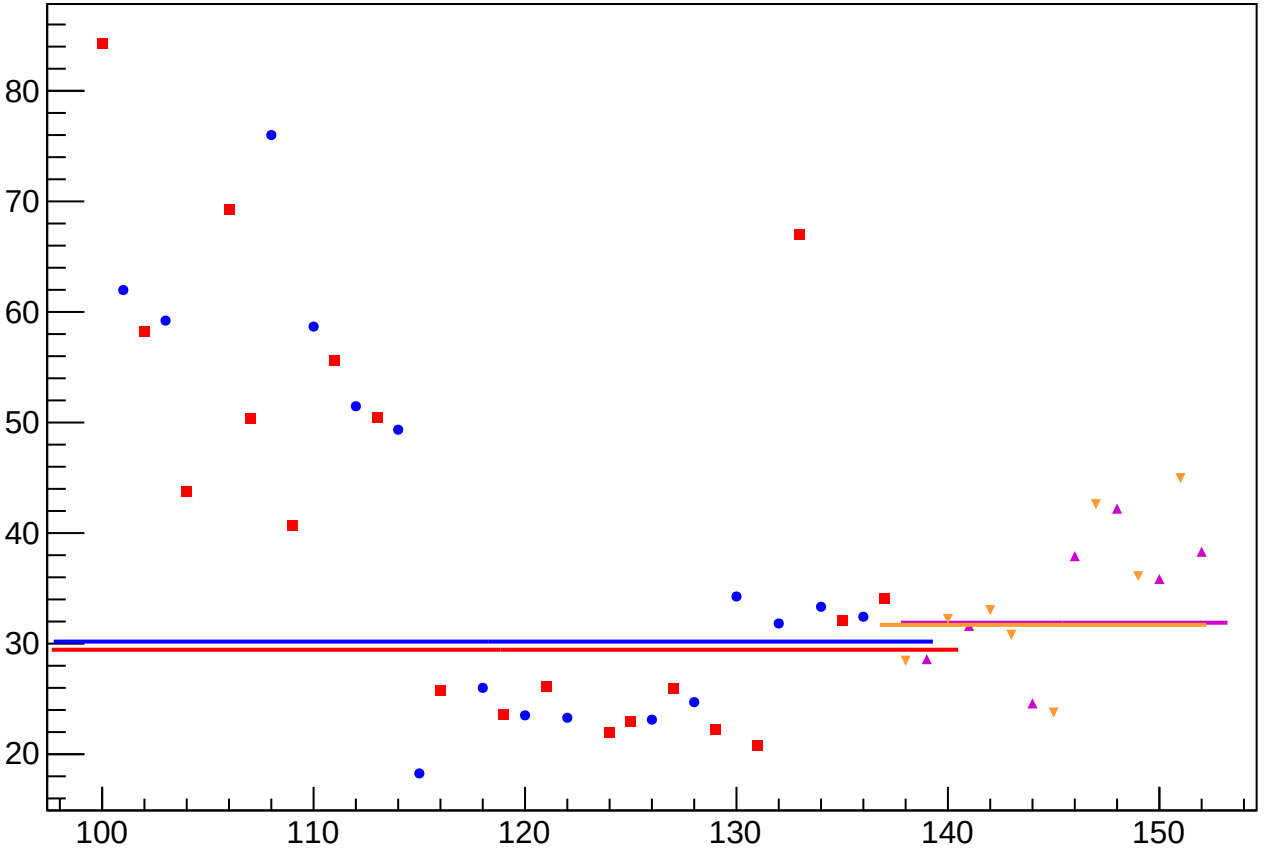
In: 30.966+/-0.006 χ^2/NDF:2082507.2/22

Out: 30.457+/-0.006 χ^2/NDF:2339460.2/26

All: 30.703+/-0.004 χ^2/NDF: 4425219.5/49


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: 0.015+/-0.013 χ²/NDF:6.1/6
Left: -0.005+/-0.009 χ²/NDF: 26.3/14
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.009+/-0.009 χ²/NDF:16.7/22
Out: -0.005+/-0.009 χ²/NDF:30.7/26
All: 0.002+/-0.006 χ²/NDF: 48.7/49

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: 31.896+/-0.009 χ^2/NDF:377670.5/6

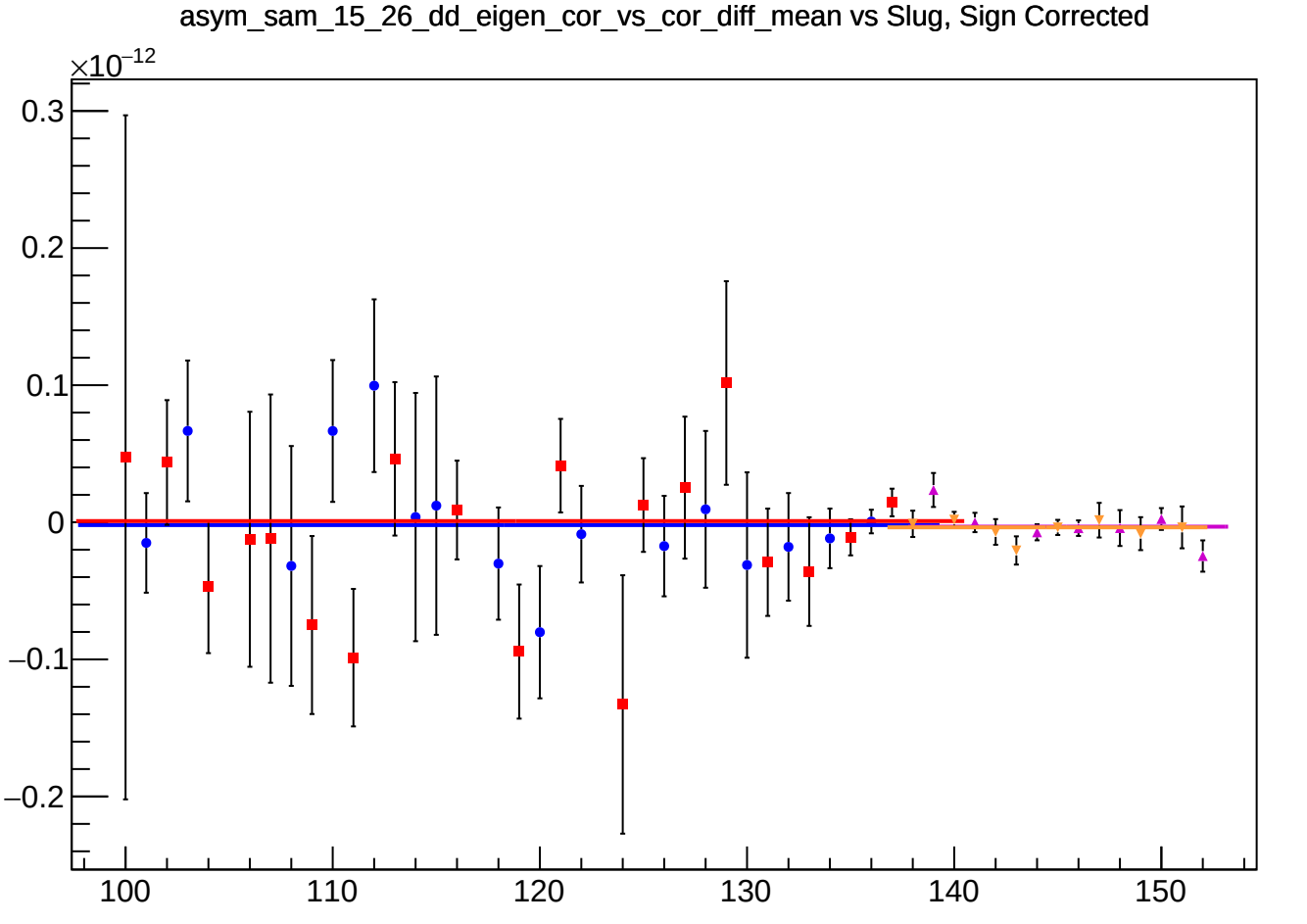
Left: 31.797+/-0.007 χ^2/NDF: 836271.1/14

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.966+/-0.006 χ^2/NDF:2082507.2/22

Out: 30.457+/-0.006 χ^2/NDF:2339460.2/26

All: 30.703+/-0.004 χ^2/NDF: 4425219.5/49



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:9.4/6

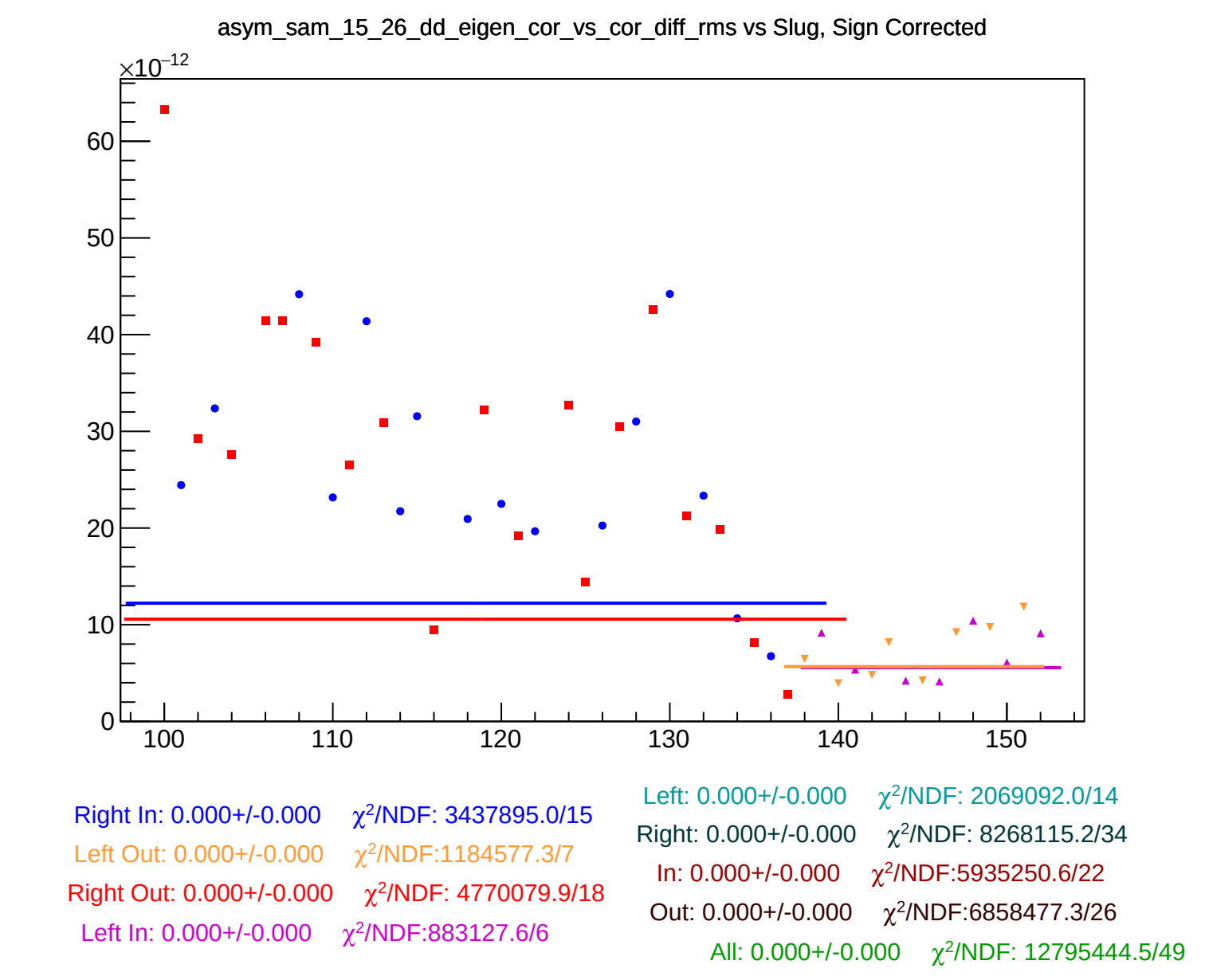
Left: -0.000+/-0.000 χ^2/NDF: 13.6/14

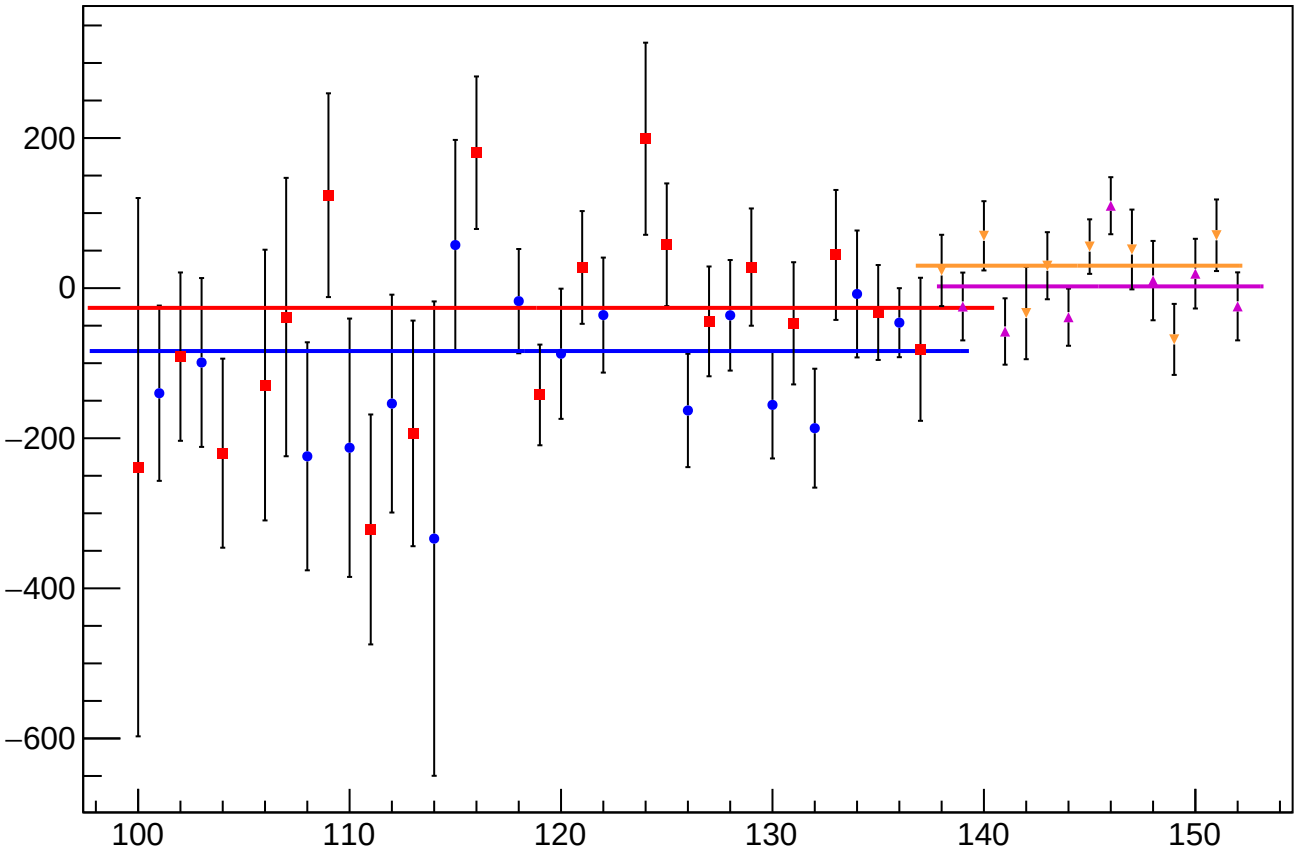
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:19.8/22

Out: -0.000+/-0.000 χ^2/NDF:26.0/26

All: -0.000+/-0.000 χ^2/NDF: 45.8/49


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1184577.3/7
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:883127.6/6
Left: 0.000+/-0.000 χ²/NDF: 2069092.0/14
Right: 0.000+/-0.000 χ²/NDF: 8268115.2/34
In: 0.000+/-0.000 χ²/NDF:5935250.6/22
Out: 0.000+/-0.000 χ²/NDF:6858477.3/26
All: 0.000+/-0.000 χ²/NDF: 12795444.5/49



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: 2.334+/-16.460 χ^2/NDF:11.9/6

Left: 16.100+/-11.651 χ^2/NDF: 20.8/14

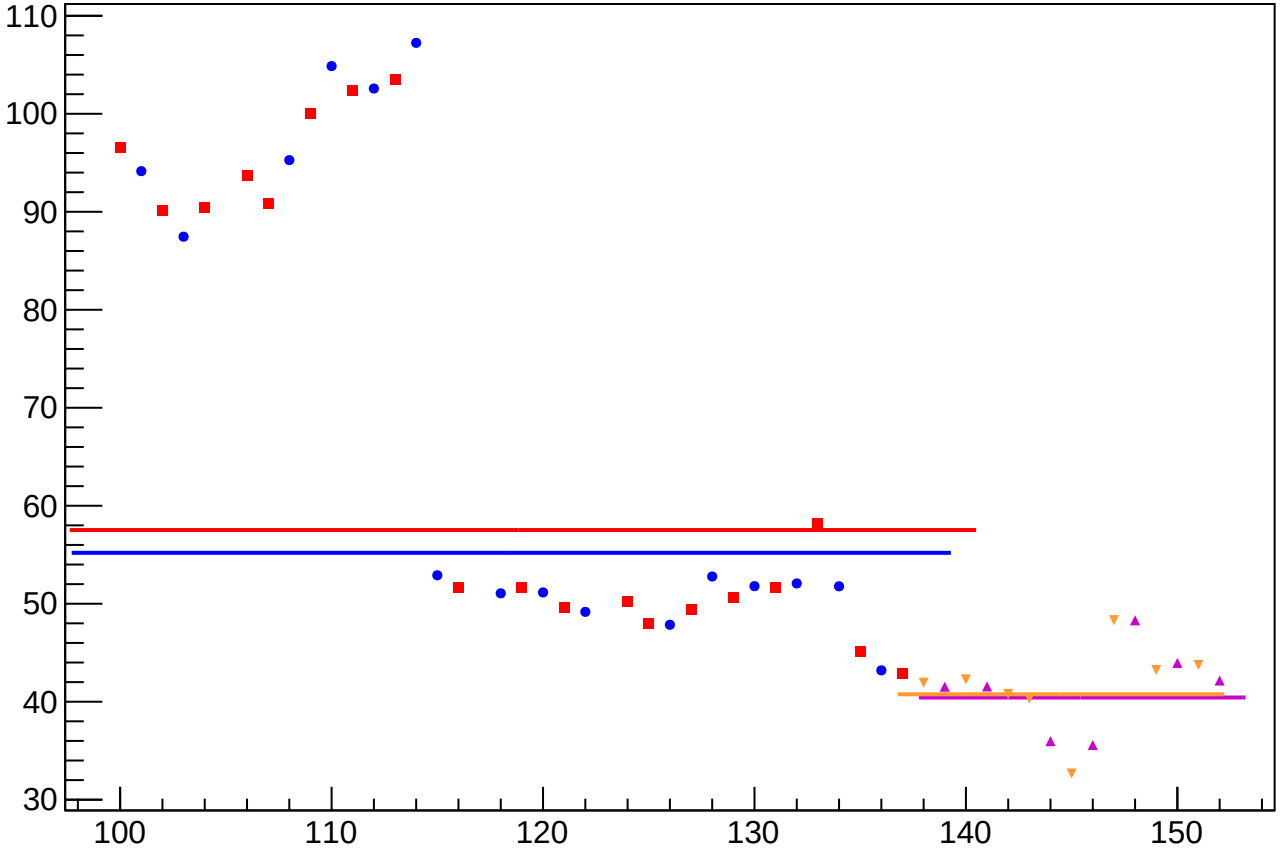
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -29.621+/-13.055 χ^2/NDF:32.6/22

Out: 9.770+/-13.211 χ^2/NDF:34.6/26

All: -10.160+/-9.286 χ^2/NDF: 71.7/49

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: 40.430+/-0.012 χ^2/NDF:121238.9/6

Left: 40.593+/-0.008 χ^2/NDF: 278186.9/14

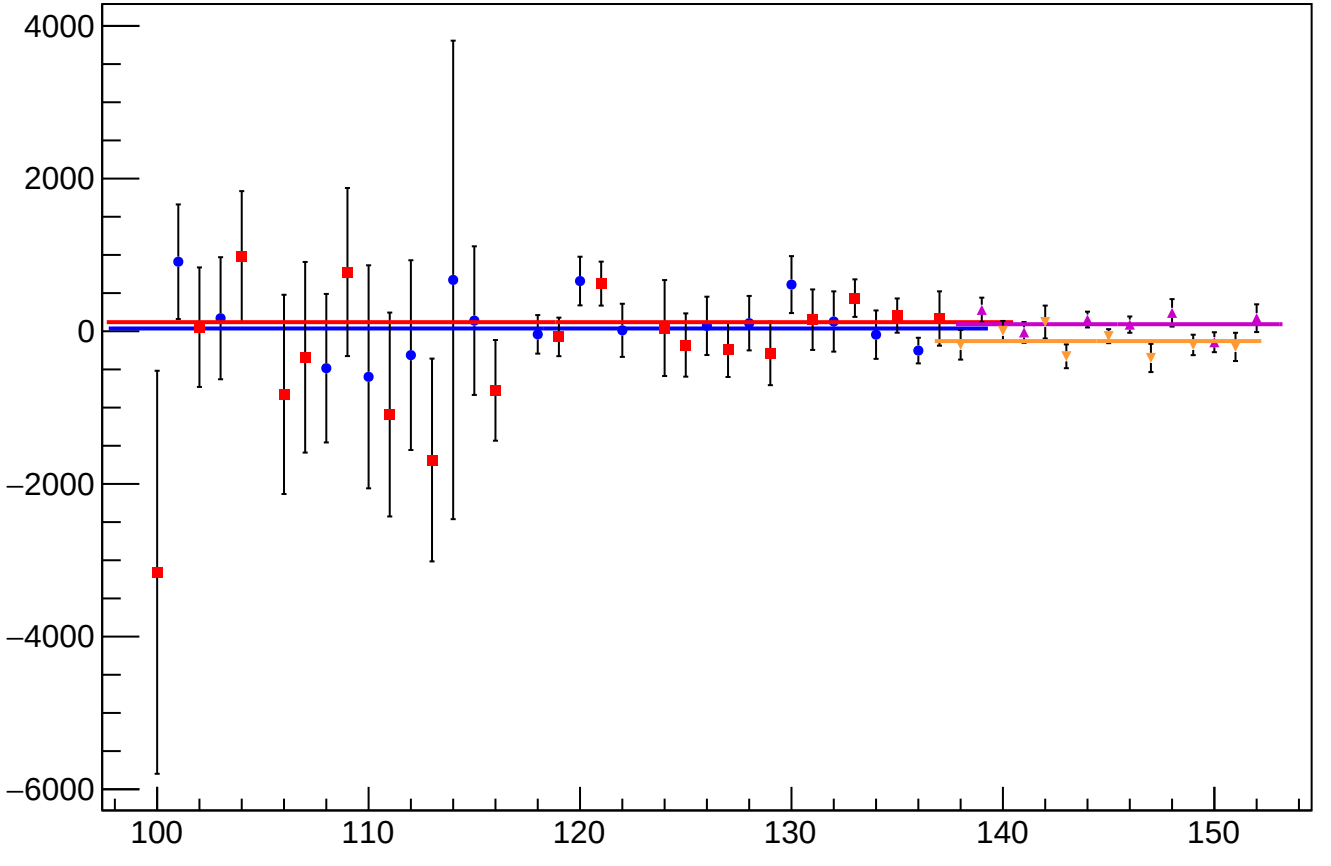
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 45.908+/-0.009 χ^2/NDF:1870982.8/22

Out: 46.765+/-0.009 χ^2/NDF:2178699.5/26

All: 46.332+/-0.007 χ^2/NDF: 4053939.3/49

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: 92.257+/-50.389 χ^2/NDF:6.5/6

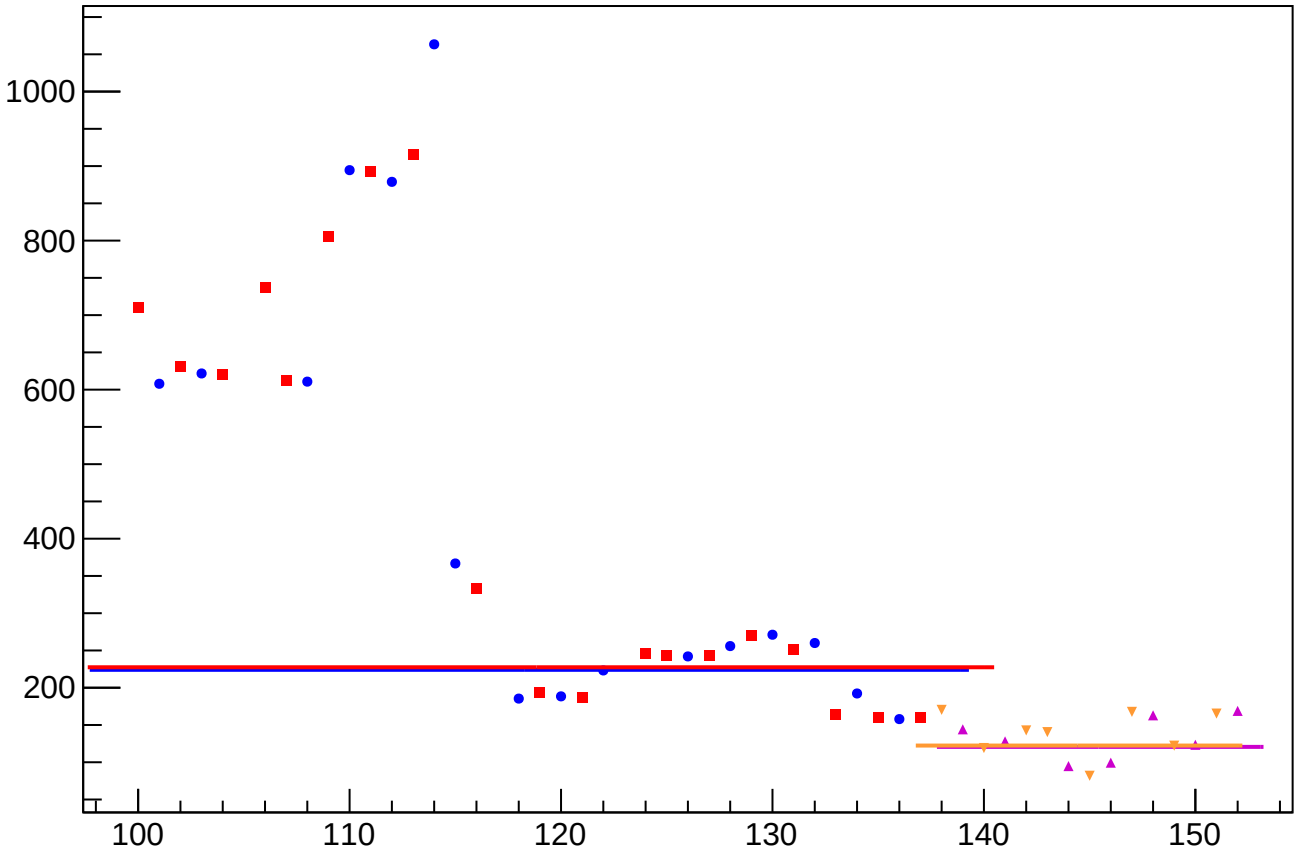
Left: -16.557+/-35.905 χ^2/NDF: 22.3/14

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 79.682+/-44.364 χ^2/NDF:18.2/22

Out: -73.778+/-45.143 χ^2/NDF:27.6/26

All: 4.287+/-31.642 χ^2/NDF: 51.6/49



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: 120.617+/-0.036 χ^2/NDF:504916.8/6

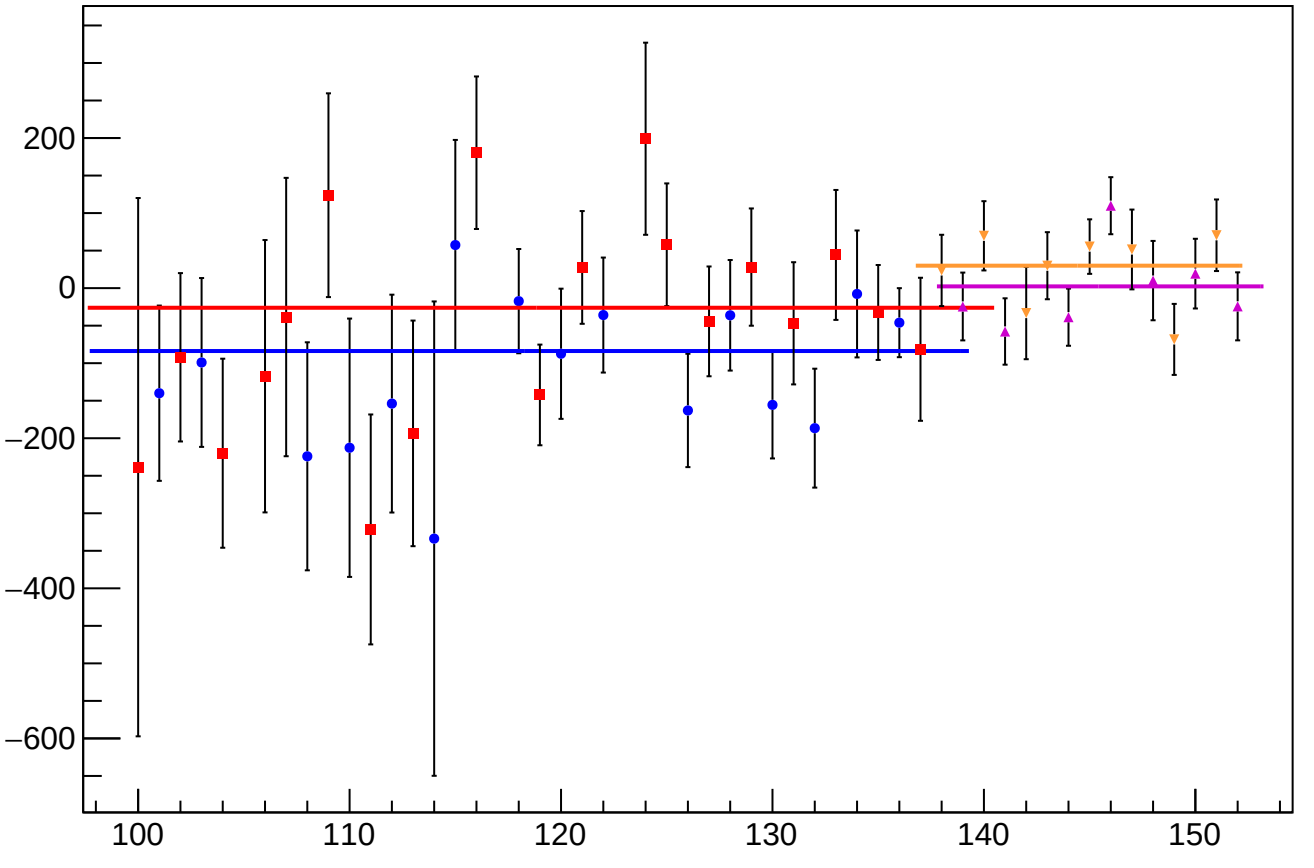
Left: 121.494+/-0.025 χ^2/NDF: 1292518.9/14

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 143.870+/-0.031 χ^2/NDF:5367370.5/22

Out: 145.709+/-0.032 χ^2/NDF:6297018.8/26

All: 144.773+/-0.022 χ^2/NDF: 11666078.4/49



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: 2.335+/-16.460 χ^2/NDF:11.9/6

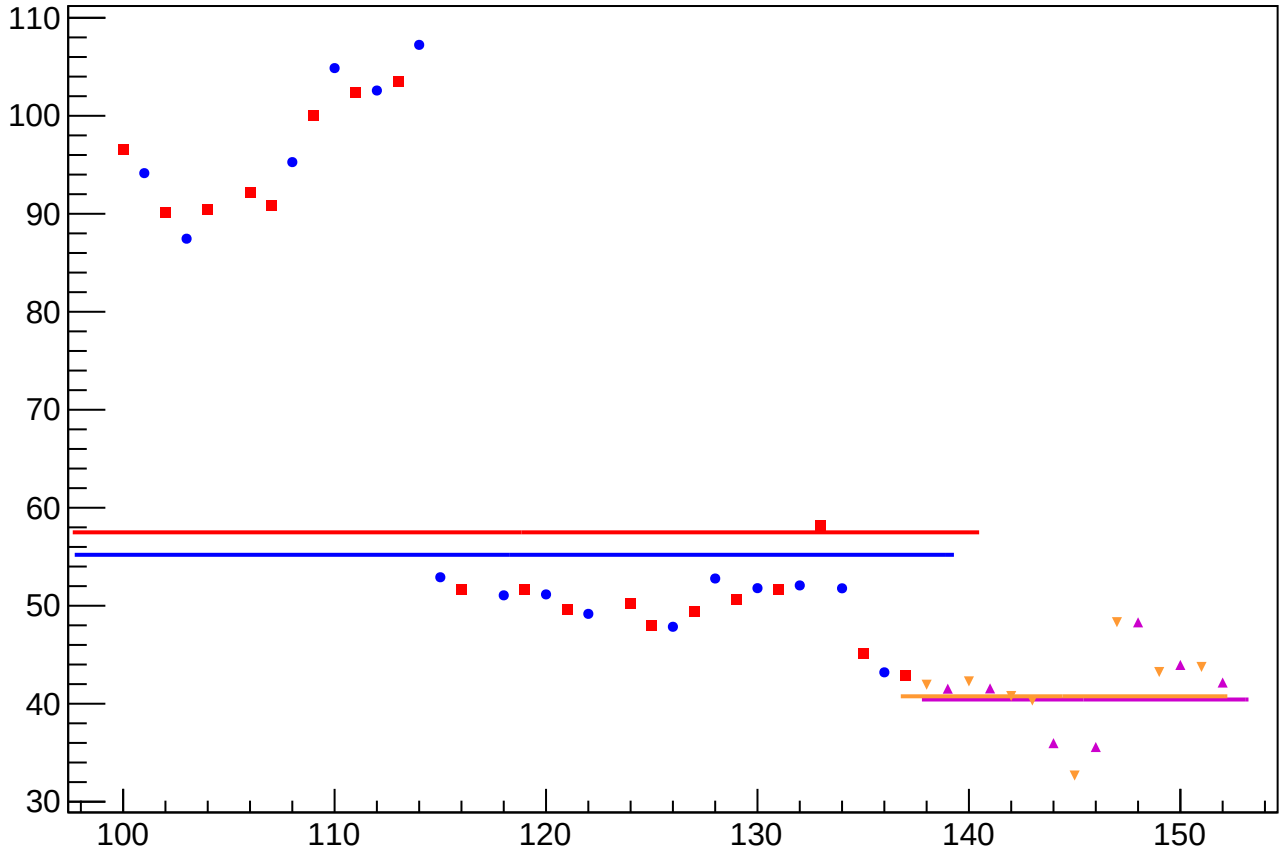
Left: 16.100+/-11.651 χ^2/NDF: 20.8/14

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -29.620+/-13.055 χ^2/NDF:32.6/22

Out: 9.829+/-13.212 χ^2/NDF:34.6/26

All: -10.131+/-9.286 χ^2/NDF: 71.6/49



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: 40.430+/-0.012 χ^2/NDF:121238.9/6

Left: 40.593+/-0.008 χ^2/NDF: 278186.9/14

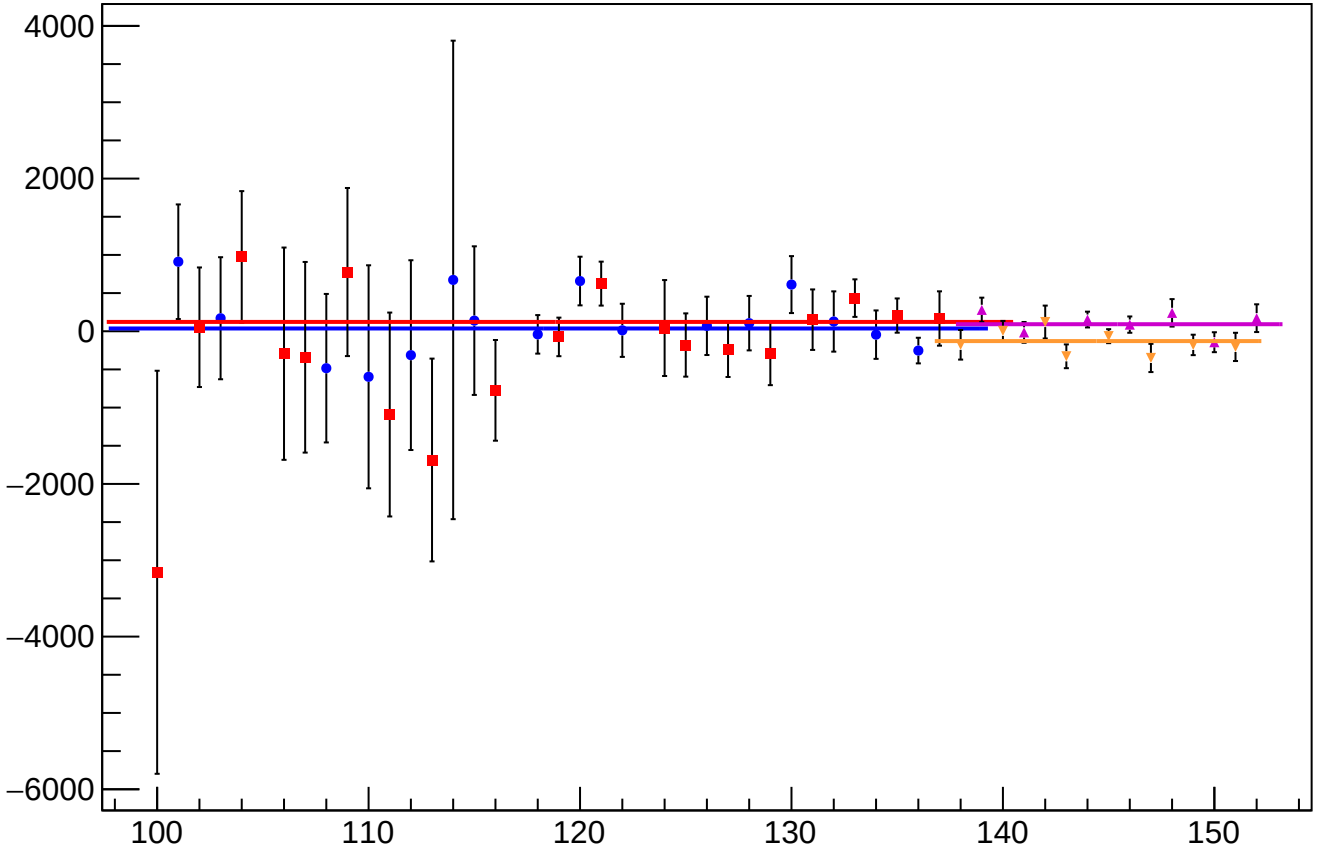
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 45.908+/-0.009 χ^2/NDF:1870983.1/22

Out: 46.754+/-0.009 χ^2/NDF:2168654.7/26

All: 46.326+/-0.007 χ^2/NDF: 4043785.2/49

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: 92.257+/-50.389 χ^2/NDF:6.5/6

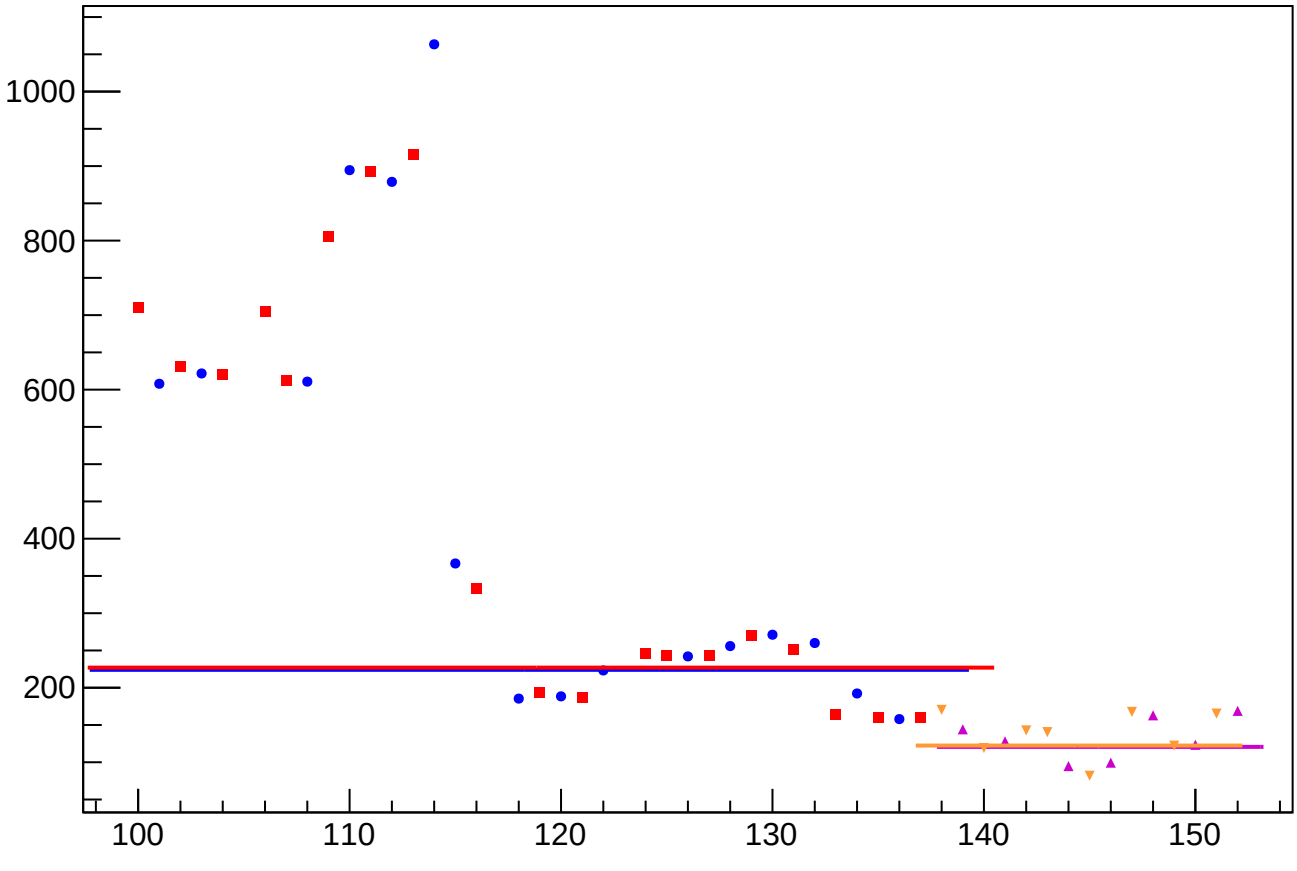
Left: -16.558+/-35.905 χ^2/NDF: 22.3/14

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 79.682+/-44.364 χ^2/NDF:18.2/22

Out: -73.115+/-45.146 χ^2/NDF:27.3/26

All: 4.619+/-31.643 χ^2/NDF: 51.3/49



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: 120.616+/-0.036 χ^2/NDF:504916.8/6

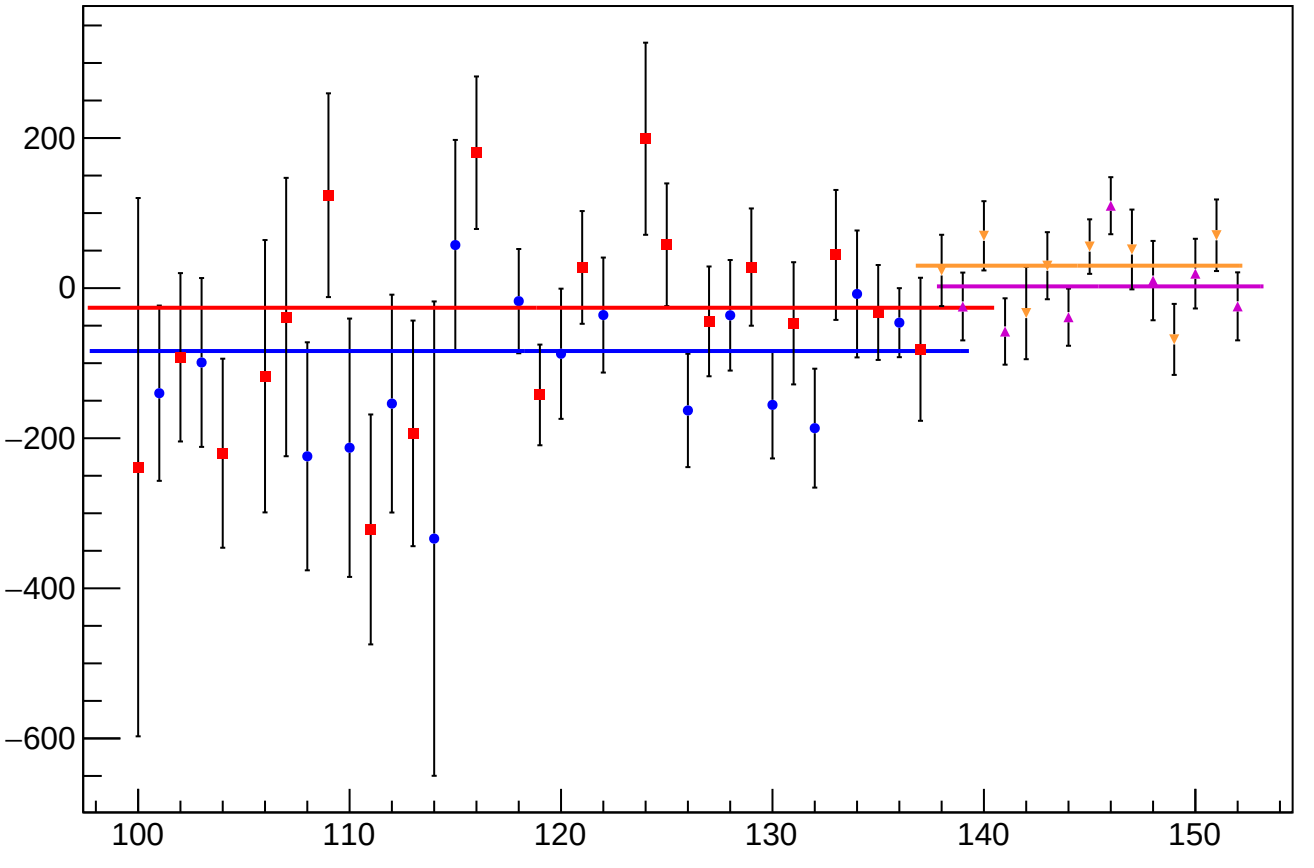
Left: 121.494+/-0.025 χ^2/NDF: 1292525.4/14

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 143.870+/-0.031 χ^2/NDF:5367384.3/22

Out: 145.591+/-0.032 χ^2/NDF:6210350.1/26

All: 144.715+/-0.022 χ^2/NDF: 11579213.5/49



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: 2.335+/-16.460 χ^2/NDF:11.9/6

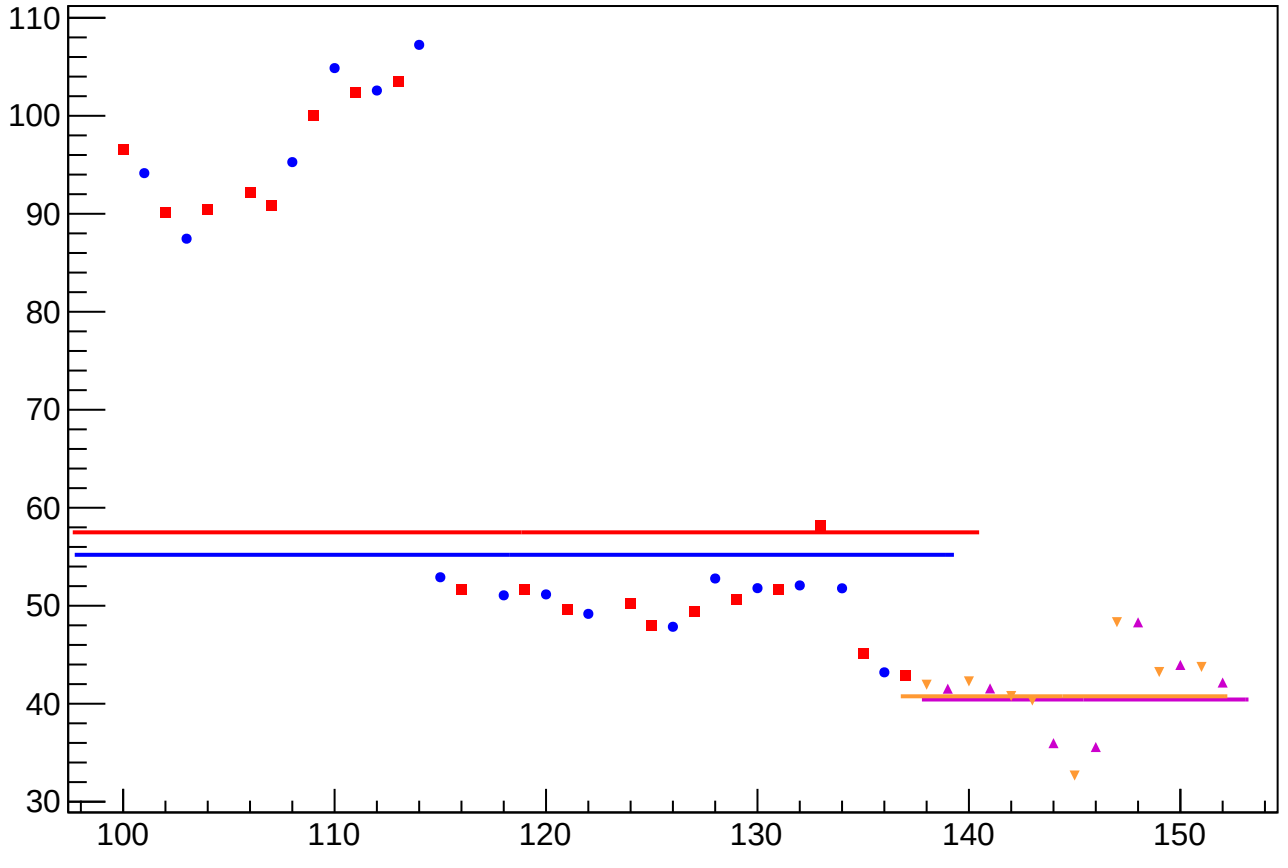
Left: 16.100+/-11.651 χ^2/NDF: 20.8/14

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -29.620+/-13.055 χ^2/NDF:32.6/22

Out: 9.829+/-13.212 χ^2/NDF:34.6/26

All: -10.131+/-9.286 χ^2/NDF: 71.6/49



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: 40.430+/-0.012 χ^2/NDF:121238.9/6

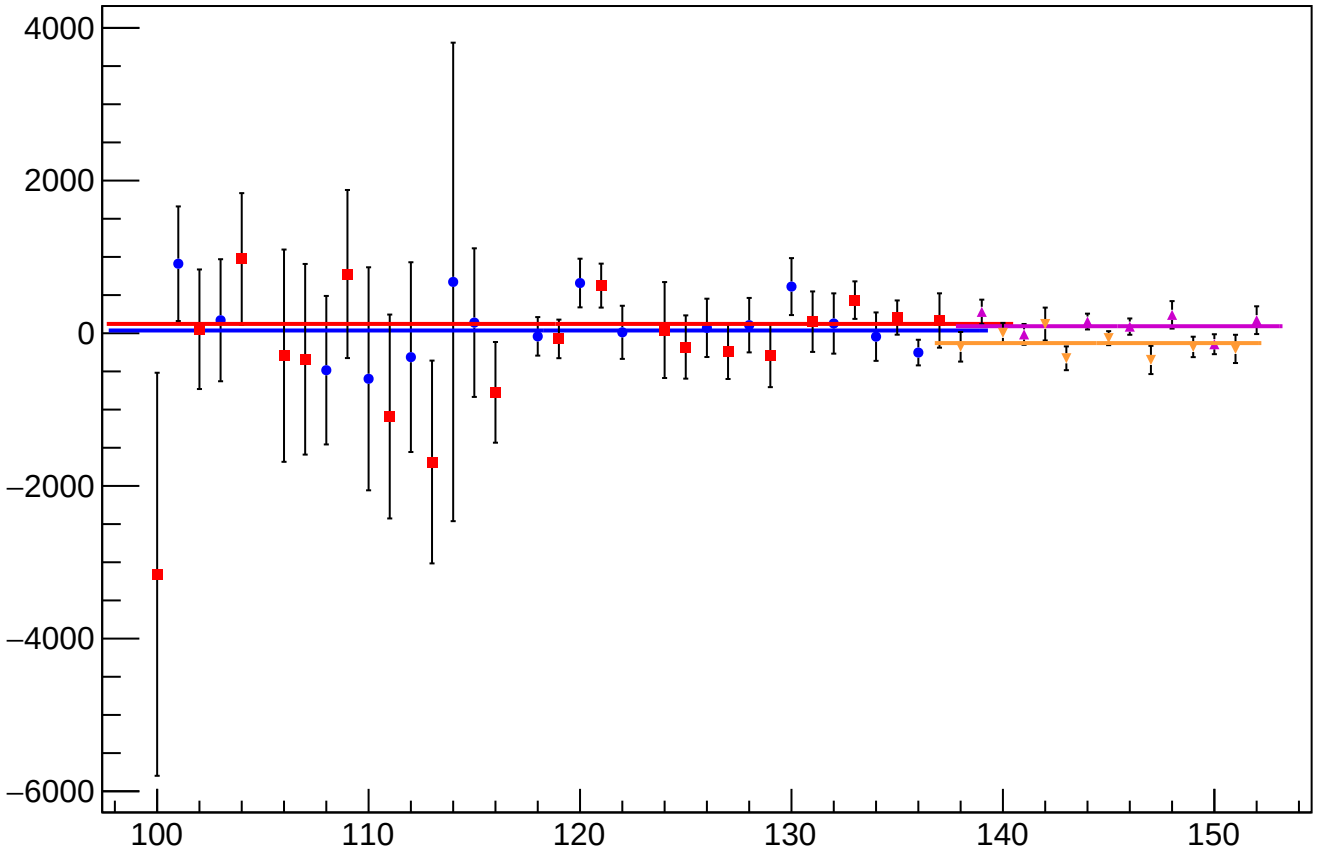
Left: 40.593+/-0.008 χ^2/NDF: 278186.9/14

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 45.908+/-0.009 χ^2/NDF:1870983.1/22

Out: 46.754+/-0.009 χ^2/NDF:2168654.7/26

All: 46.326+/-0.007 χ^2/NDF: 4043785.2/49



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: 92.257+/-50.389 χ^2/NDF:6.5/6

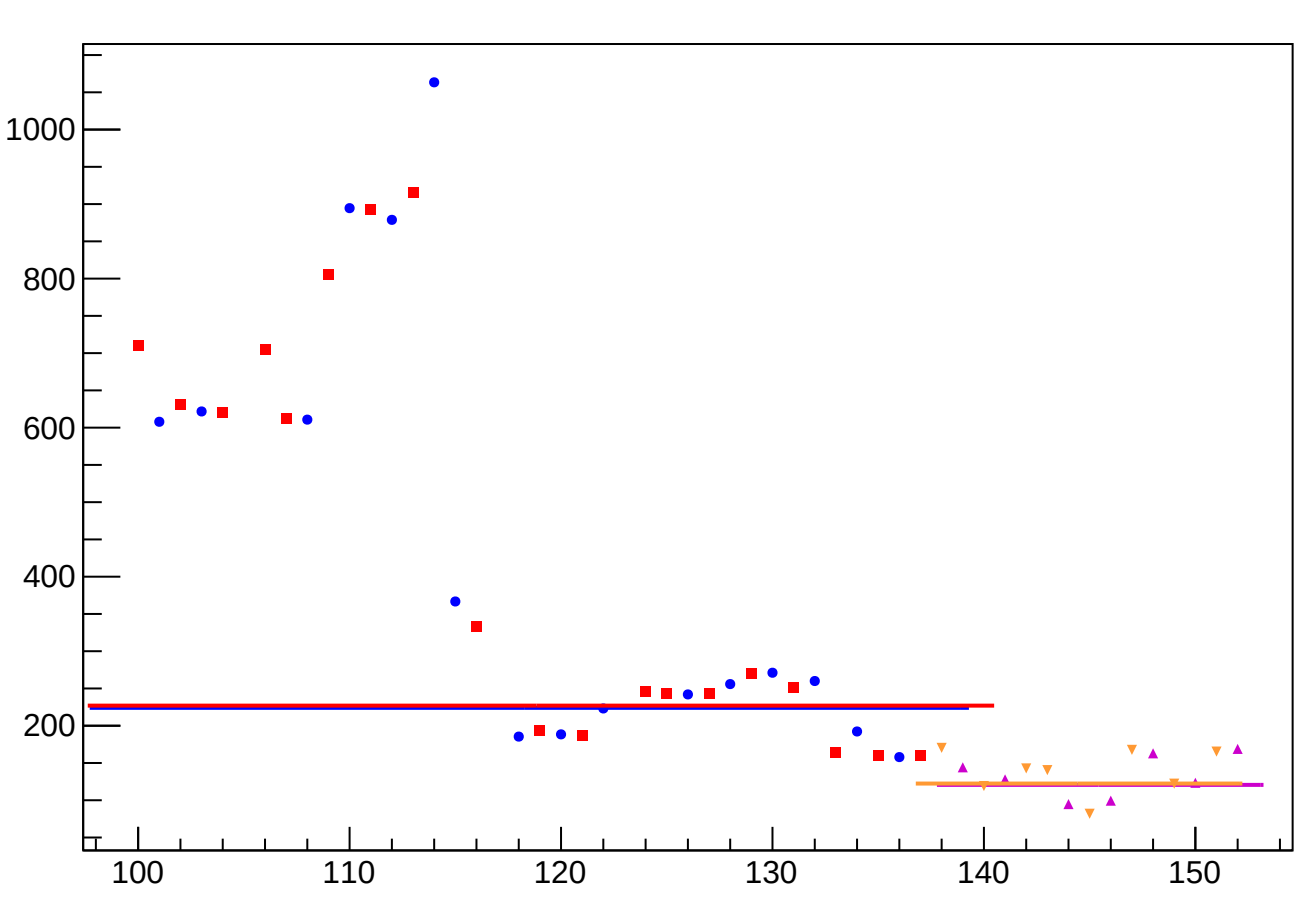
Left: -16.558+/-35.905 χ^2/NDF: 22.3/14

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 79.682+/-44.364 χ^2/NDF:18.2/22

Out: -73.115+/-45.146 χ^2/NDF:27.3/26

All: 4.619+/-31.643 χ^2/NDF: 51.3/49



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: 120.616+/-0.036 χ^2/NDF:504916.8/6

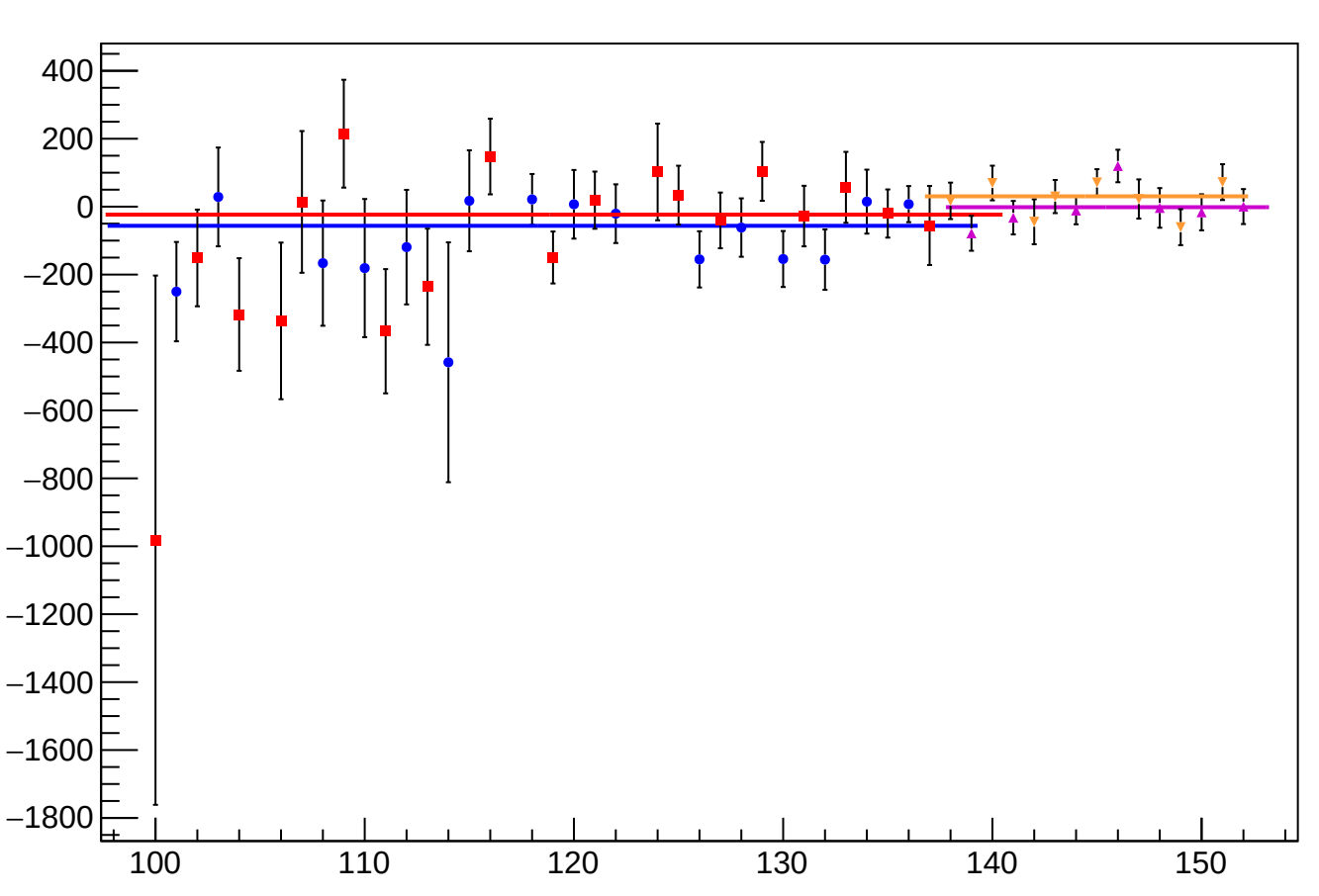
Left: 121.494+/-0.025 χ^2/NDF: 1292525.4/14

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 143.870+/-0.031 χ^2/NDF:5367384.3/22

Out: 145.591+/-0.032 χ^2/NDF:6210350.1/26

All: 144.715+/-0.022 χ^2/NDF: 11579213.5/49



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: -1.567+/-18.712 χ^2/NDF:9.2/6

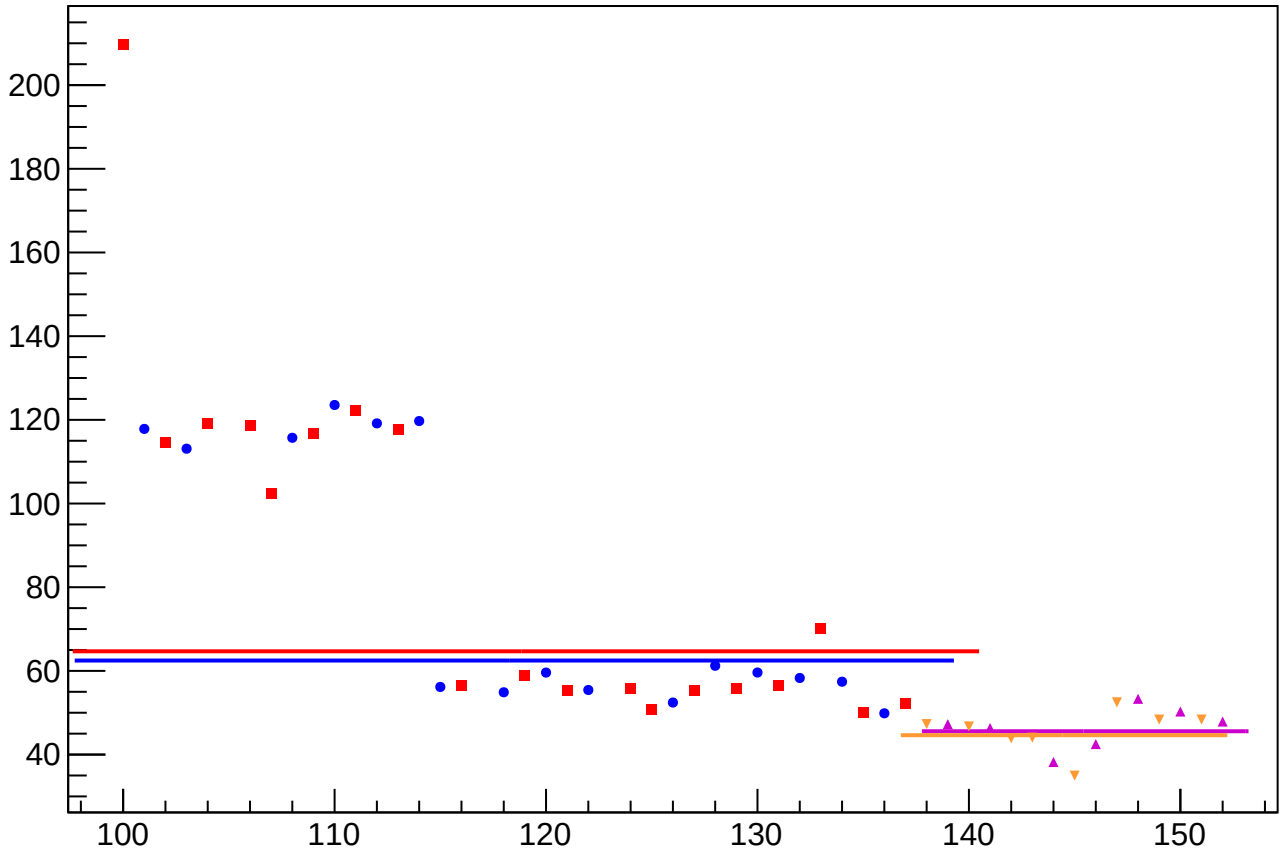
Left: 14.951+/-13.013 χ^2/NDF: 17.3/14

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -21.785+/-14.869 χ^2/NDF:24.6/22

Out: 12.023+/-14.697 χ^2/NDF:33.7/26

All: -4.685+/-10.453 χ^2/NDF: 61.0/49



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: 45.575+/-0.013 χ^2/NDF:131377.7/6

Left: 45.089+/-0.009 χ^2/NDF: 322340.3/14

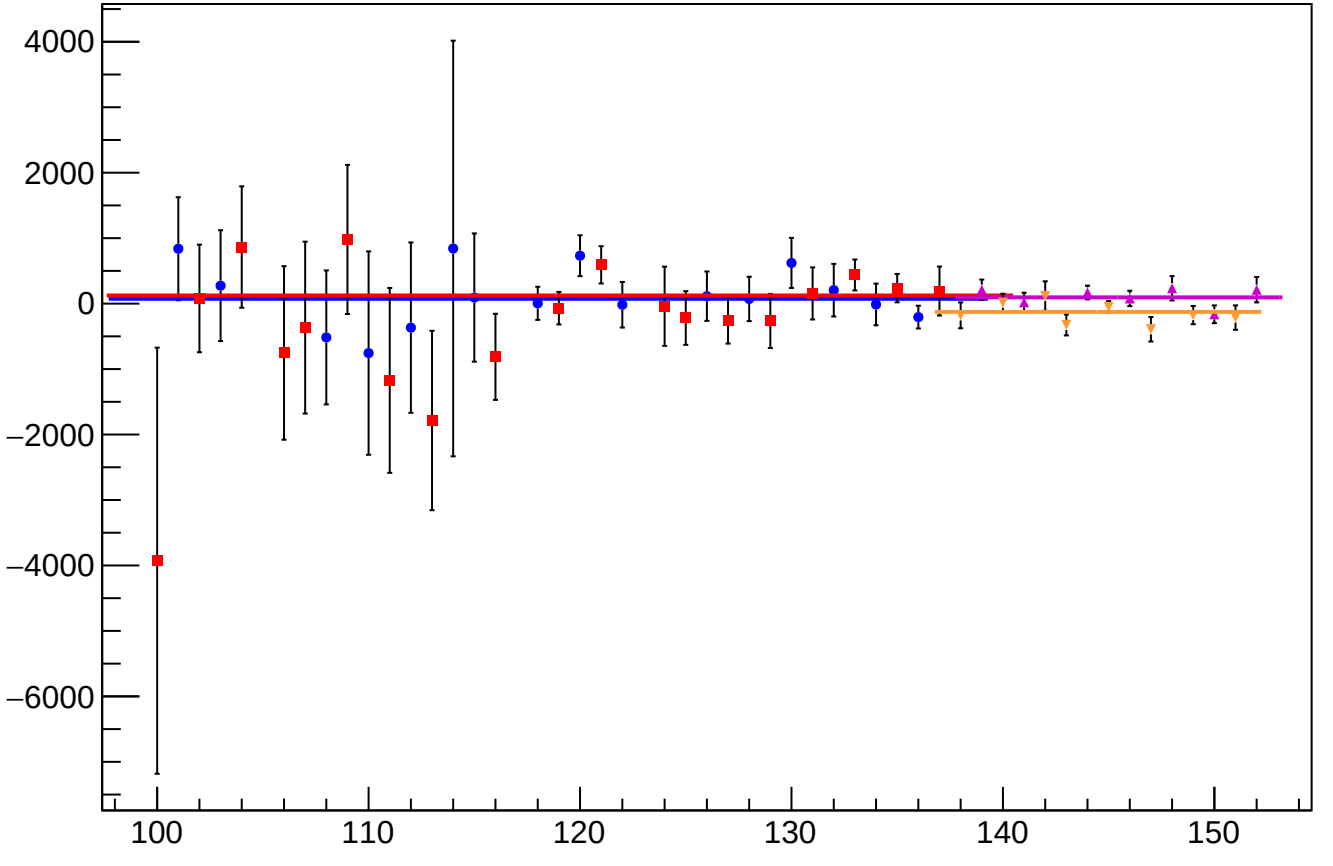
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 51.805+/-0.011 χ^2/NDF:2080911.3/22

Out: 51.473+/-0.010 χ^2/NDF:2615252.9/26

All: 51.637+/-0.007 χ^2/NDF: 4696666.3/49

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -126.461+/-51.958 χ^2/NDF:6.9/7

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 95.603+/-52.547 χ^2/NDF:5.9/6

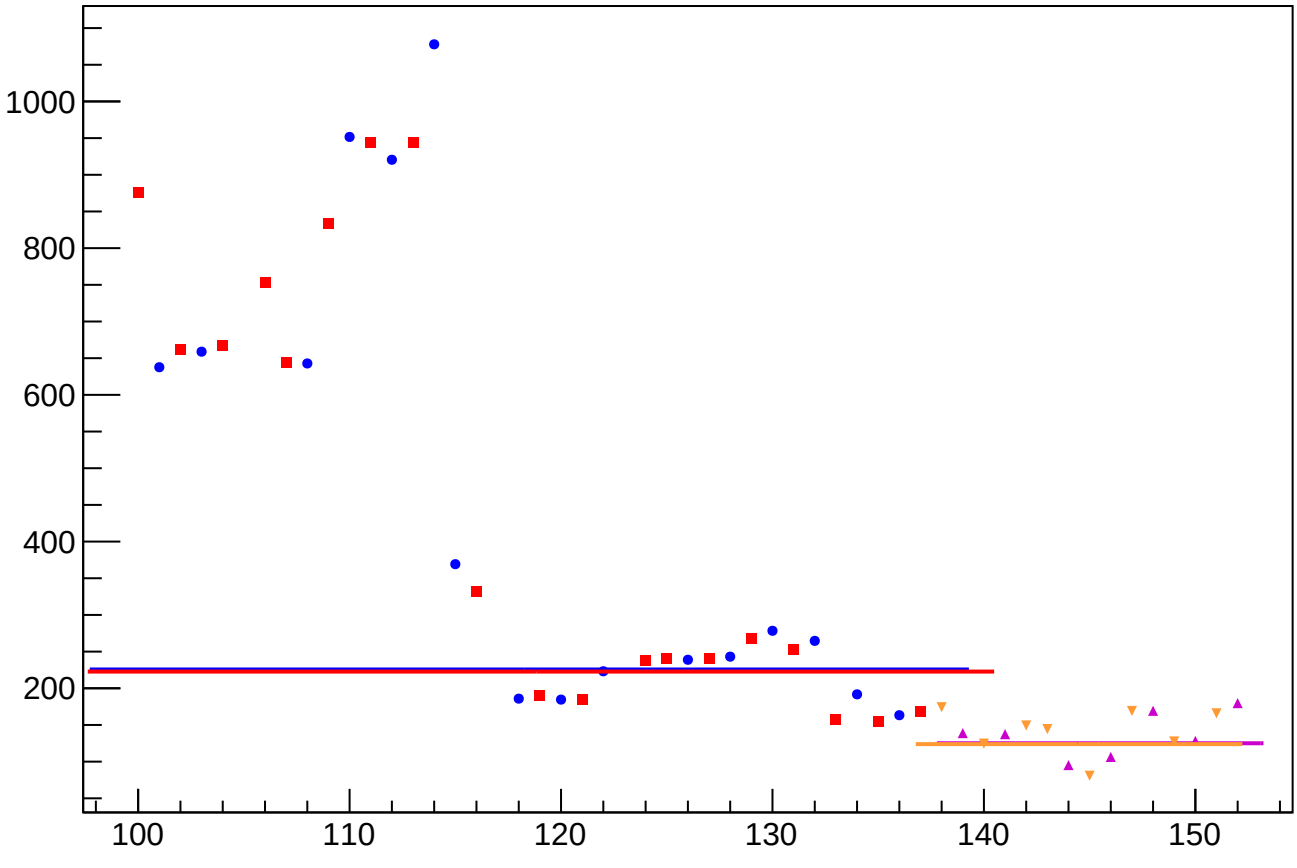
Left: -16.681+/-36.946 χ^2/NDF: 21.9/14

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 90.570+/-45.924 χ^2/NDF:17.2/22

Out: -68.432+/-45.548 χ^2/NDF:28.7/26

All: 10.416+/-32.339 χ^2/NDF: 51.9/49



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: 125.051+/-0.037 χ^2/NDF:515904.8/6

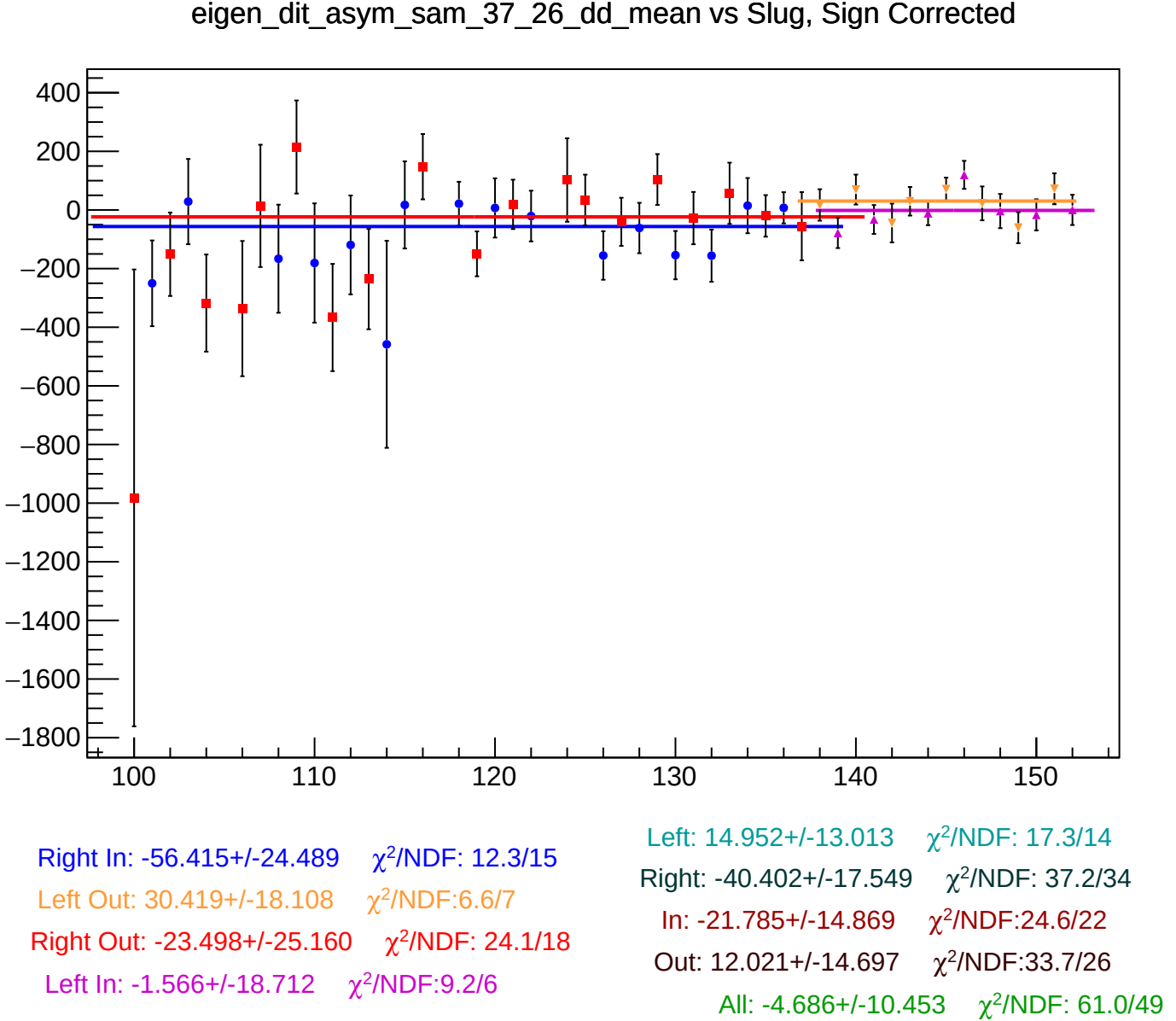
Left: 124.459+/-0.026 χ^2/NDF: 1382908.6/14

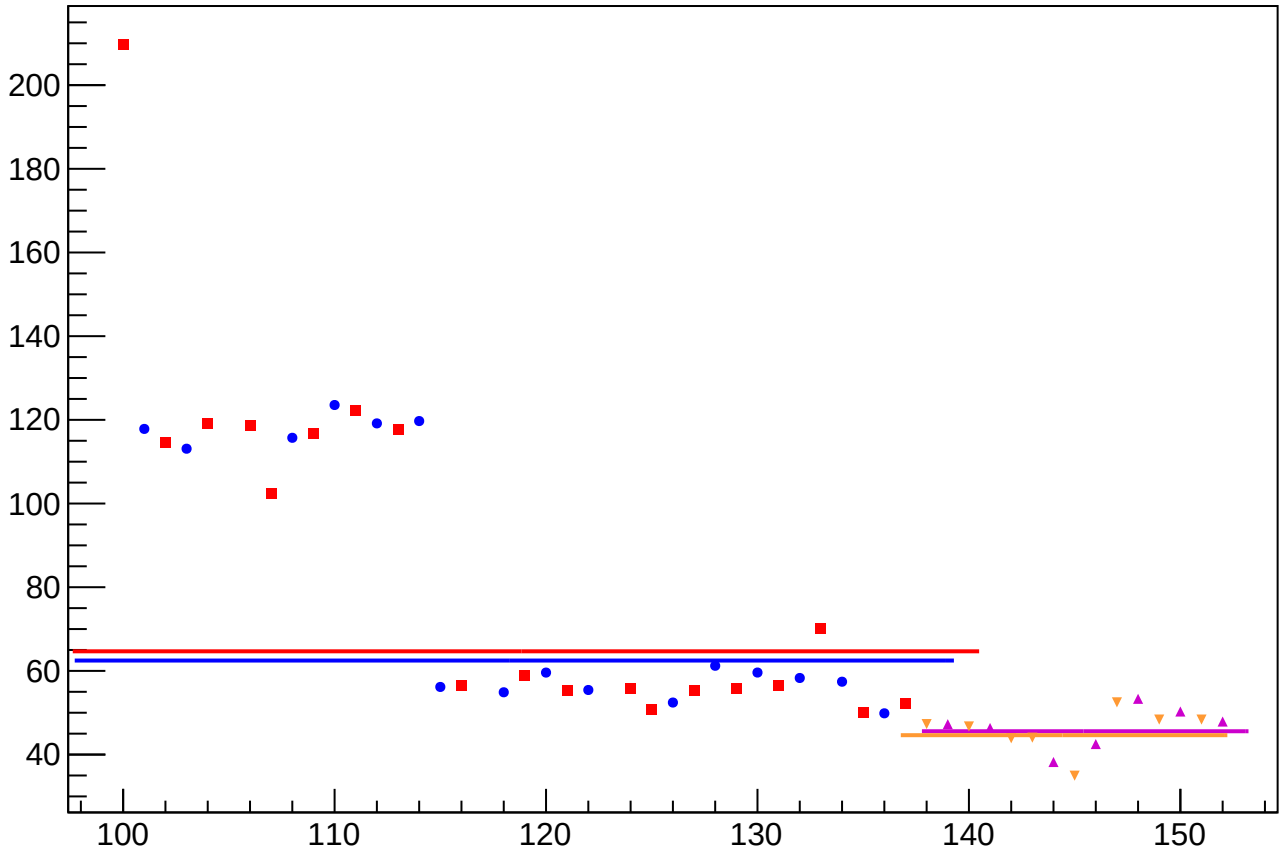
Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 148.804+/-0.032 χ^2/NDF:5272115.7/22

Out: 146.778+/-0.032 χ^2/NDF:6392407.7/26

All: 147.783+/-0.023 χ^2/NDF: 11666485.7/49


eigen_dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
100
110
120
130
140
150
Right In: -56.415+/-24.489 χ²/NDF: 12.3/15
Left Out: 30.419+/-18.108 χ²/NDF:6.6/7
Right Out: -23.498+/-25.160 χ²/NDF: 24.1/18
Left In: -1.566+/-18.712 χ²/NDF:9.2/6
Left: 14.952+/-13.013 χ²/NDF: 17.3/14
Right: -40.402+/-17.549 χ²/NDF: 37.2/34
In: -21.785+/-14.869 χ²/NDF:24.6/22
Out: 12.021+/-14.697 χ²/NDF:33.7/26
All: -4.686+/-10.453 χ²/NDF: 61.0/49



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 44.633+/-0.013 χ^2/NDF:188348.0/7

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.575+/-0.013 χ^2/NDF:131377.7/6

Left: 45.089+/-0.009 χ^2/NDF: 322343.1/14

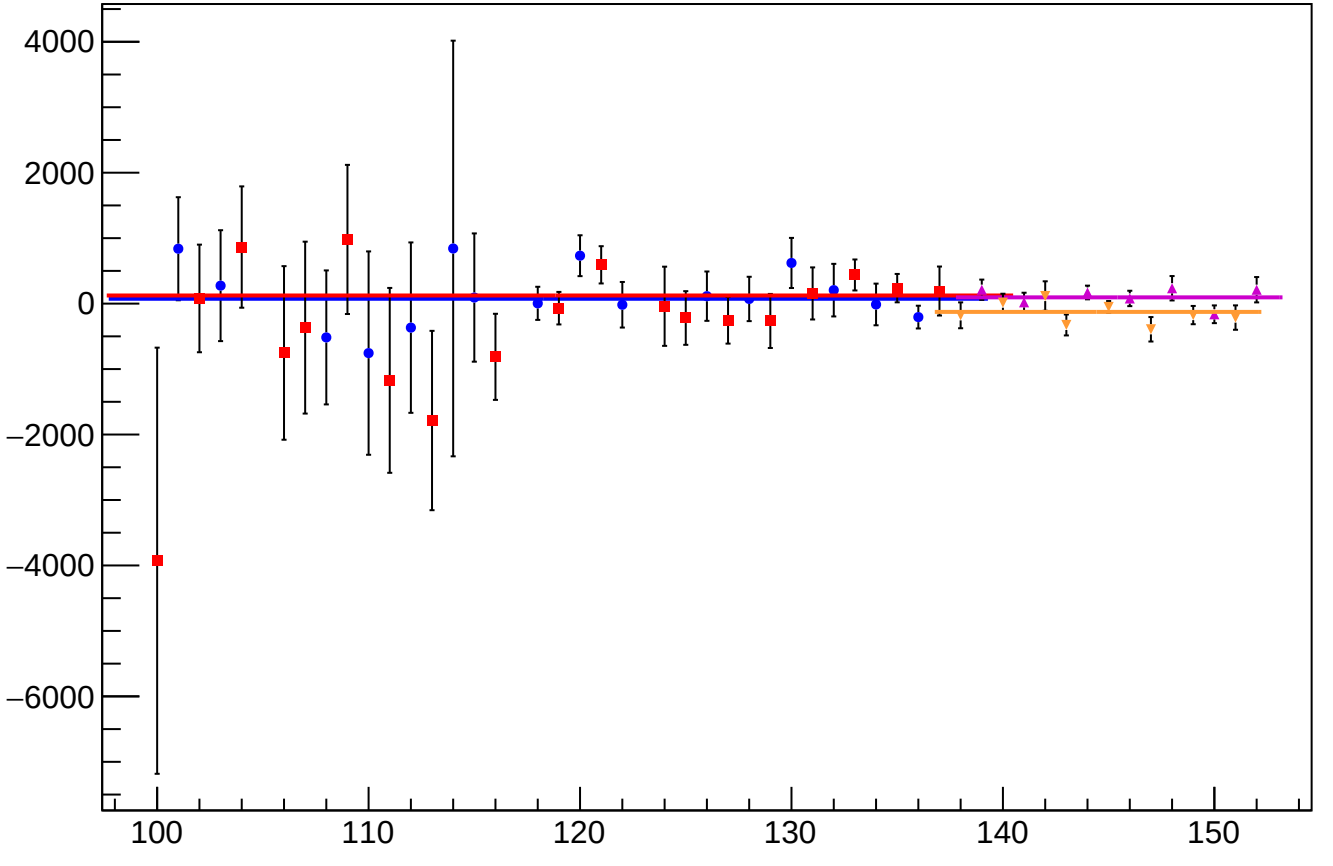
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 51.805+/-0.011 χ^2/NDF:2080856.9/22

Out: 51.474+/-0.010 χ^2/NDF:2615209.8/26

All: 51.637+/-0.007 χ^2/NDF: 4696568.6/49

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: 95.604+/-52.547 χ^2/NDF:5.9/6

Left: -16.680+/-36.946 χ^2/NDF: 21.9/14

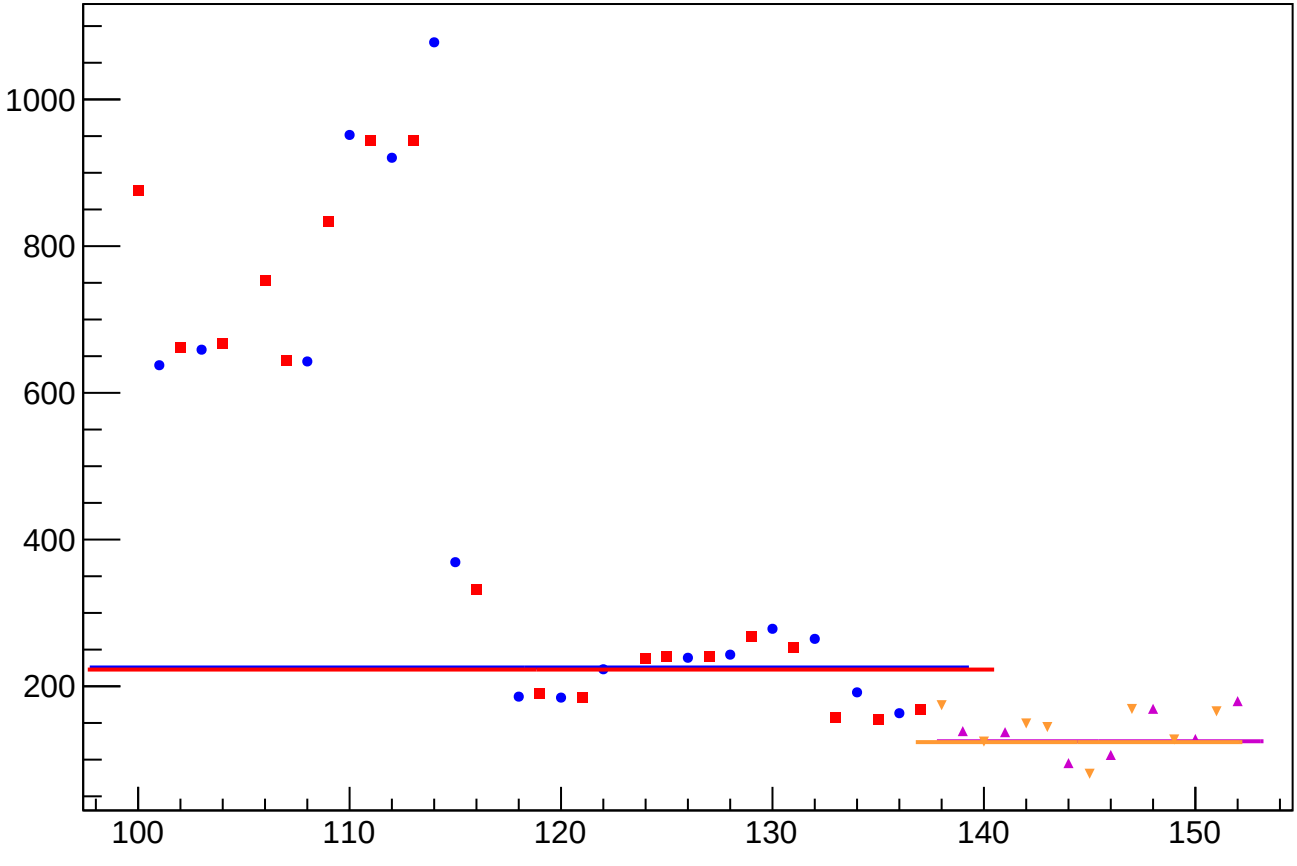
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 90.570+/-45.924 χ^2/NDF:17.2/22

Out: -68.432+/-45.548 χ^2/NDF:28.7/26

All: 10.417+/-32.339 χ^2/NDF: 51.9/49

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: 125.051+/-0.037 χ^2/NDF:515911.0/6

Left: 124.460+/-0.026 χ^2/NDF: 1382924.4/14

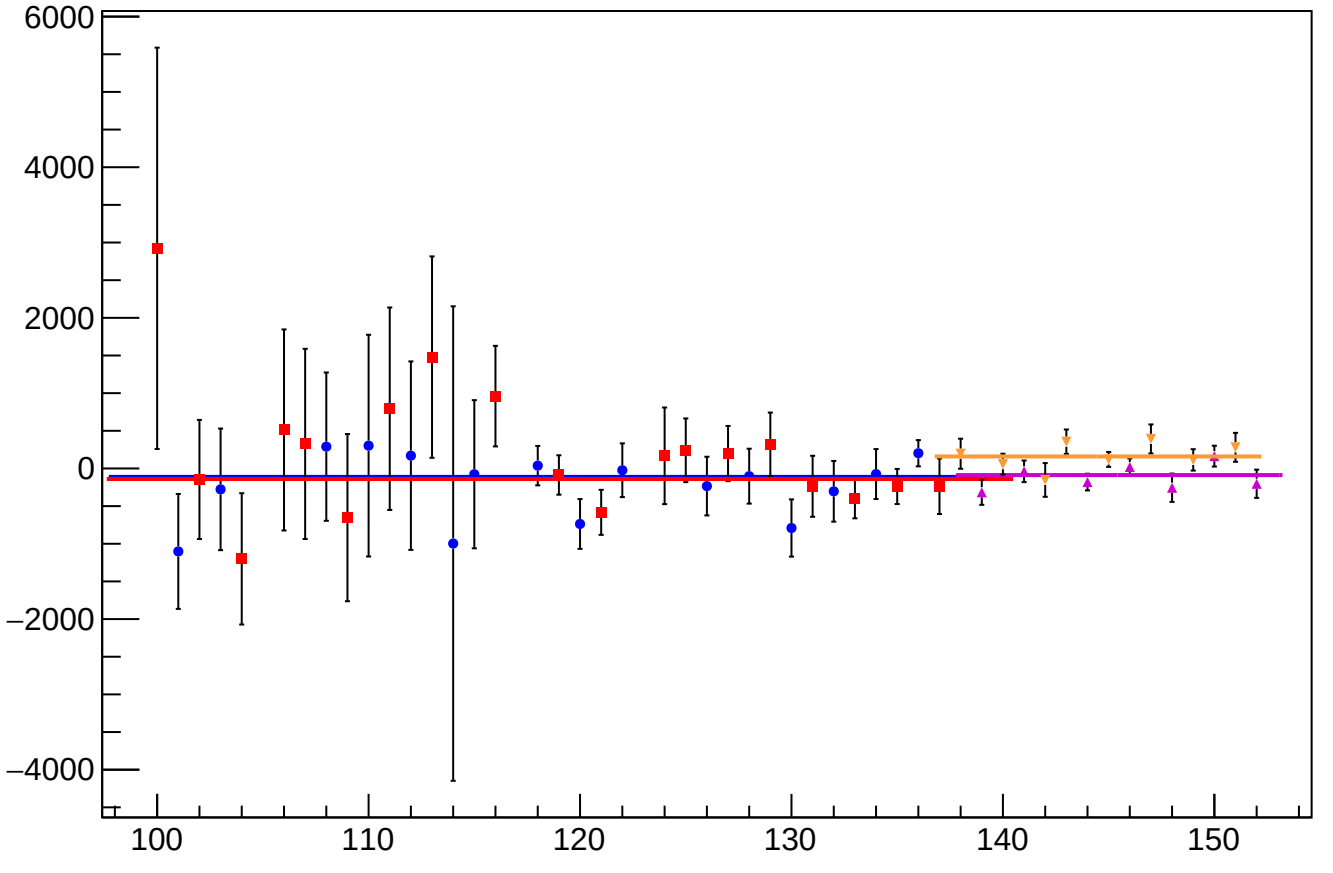
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 148.804+/-0.032 χ^2/NDF:5272098.1/22

Out: 146.779+/-0.032 χ^2/NDF:6392389.6/26

All: 147.783+/-0.023 χ^2/NDF: 11666449.4/49

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: -87.847+/-53.310 χ^2/NDF:8.1/6

Left: 33.934+/-37.977 χ^2/NDF: 24.7/14

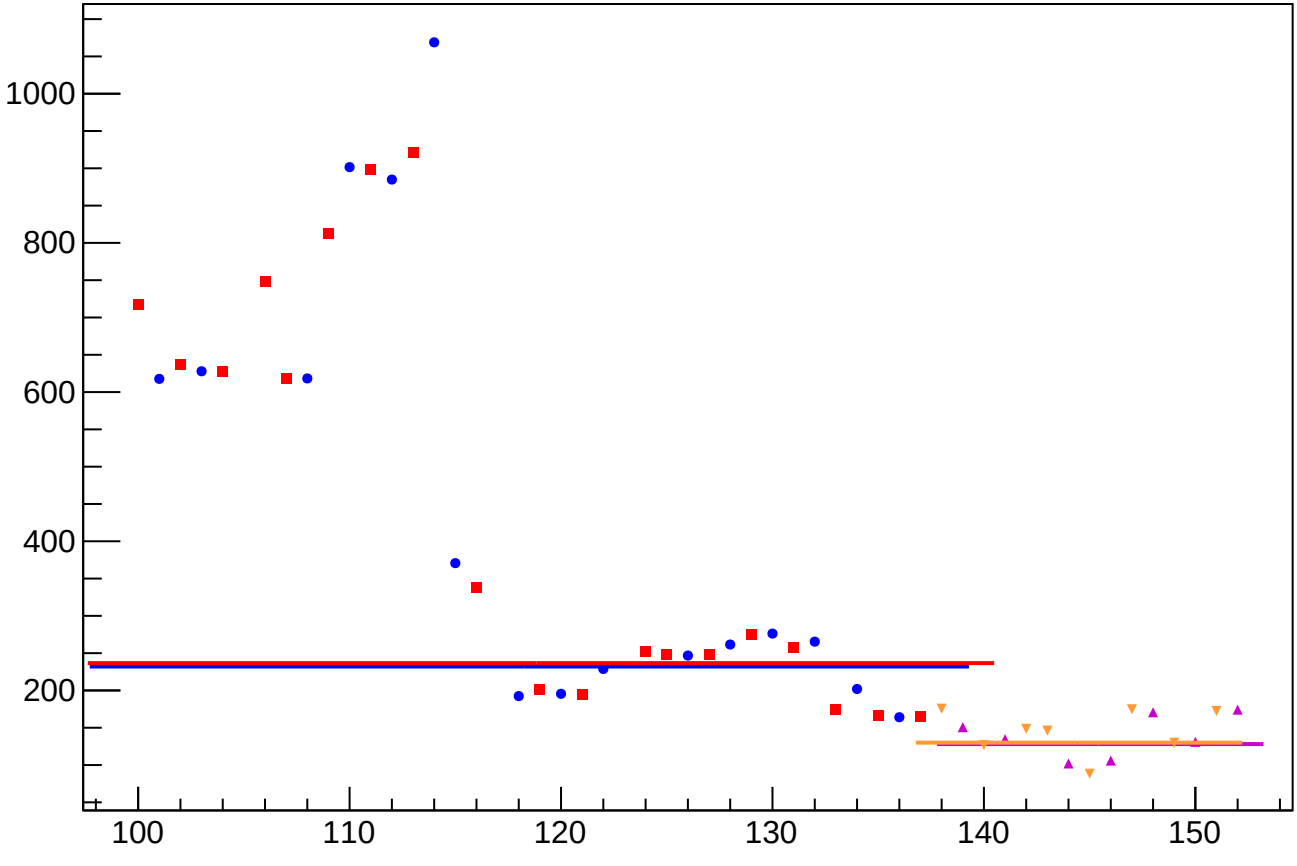
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -93.471+/-46.669 χ^2/NDF:20.9/22

Out: 90.731+/-47.503 χ^2/NDF:27.8/26

All: -3.002+/-33.291 χ^2/NDF: 56.4/49

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: 128.093+/-0.038 χ^2/NDF:451181.1/6

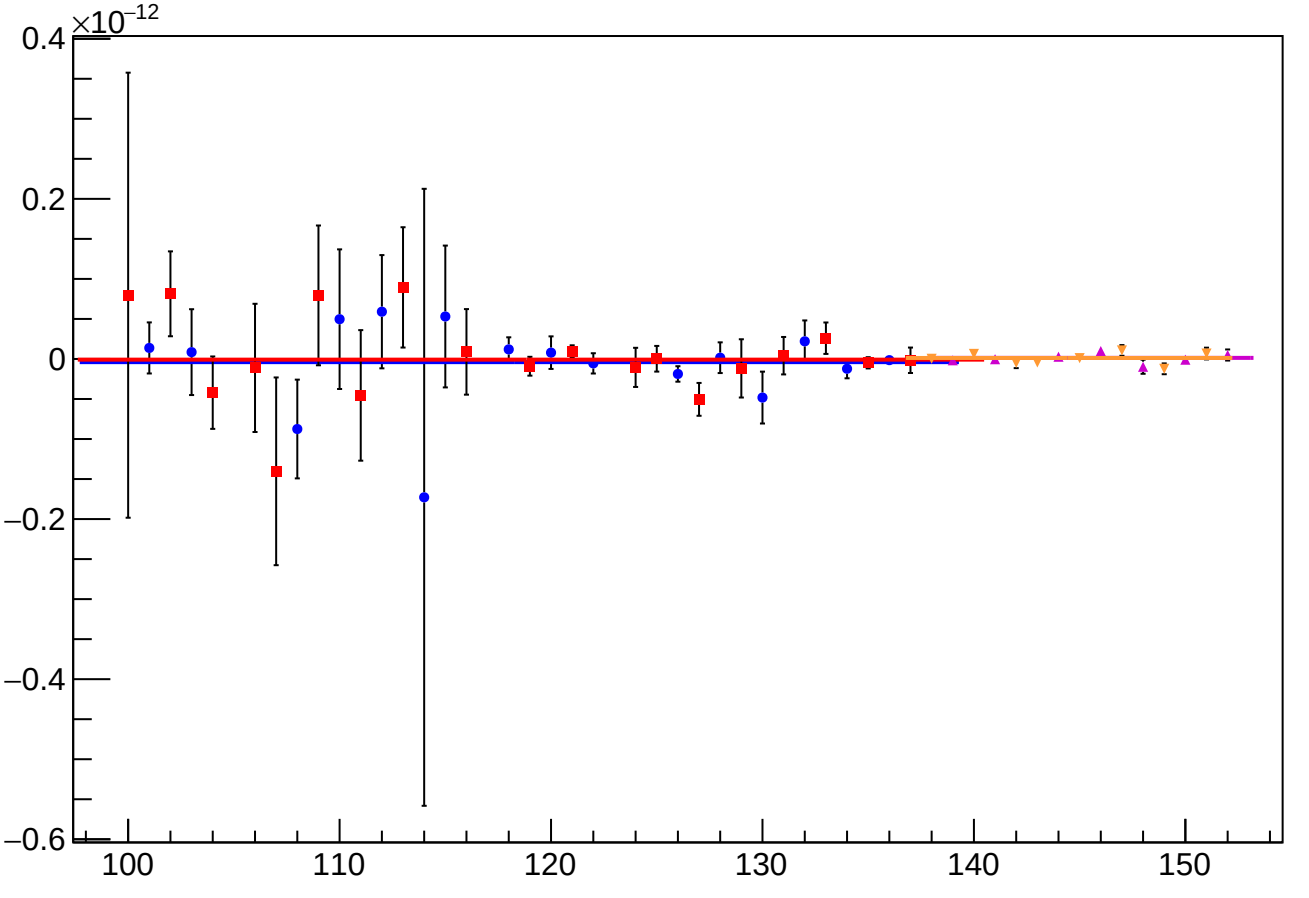
Left: 129.049+/-0.027 χ^2/NDF: 1152626.8/14

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 152.394+/-0.033 χ^2/NDF:5115531.6/22

Out: 154.494+/-0.034 χ^2/NDF:6002188.6/26

All: 153.426+/-0.024 χ^2/NDF: 11119708.8/49



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:4.8/6

Left: 0.000+/-0.000 χ^2/NDF: 15.6/14

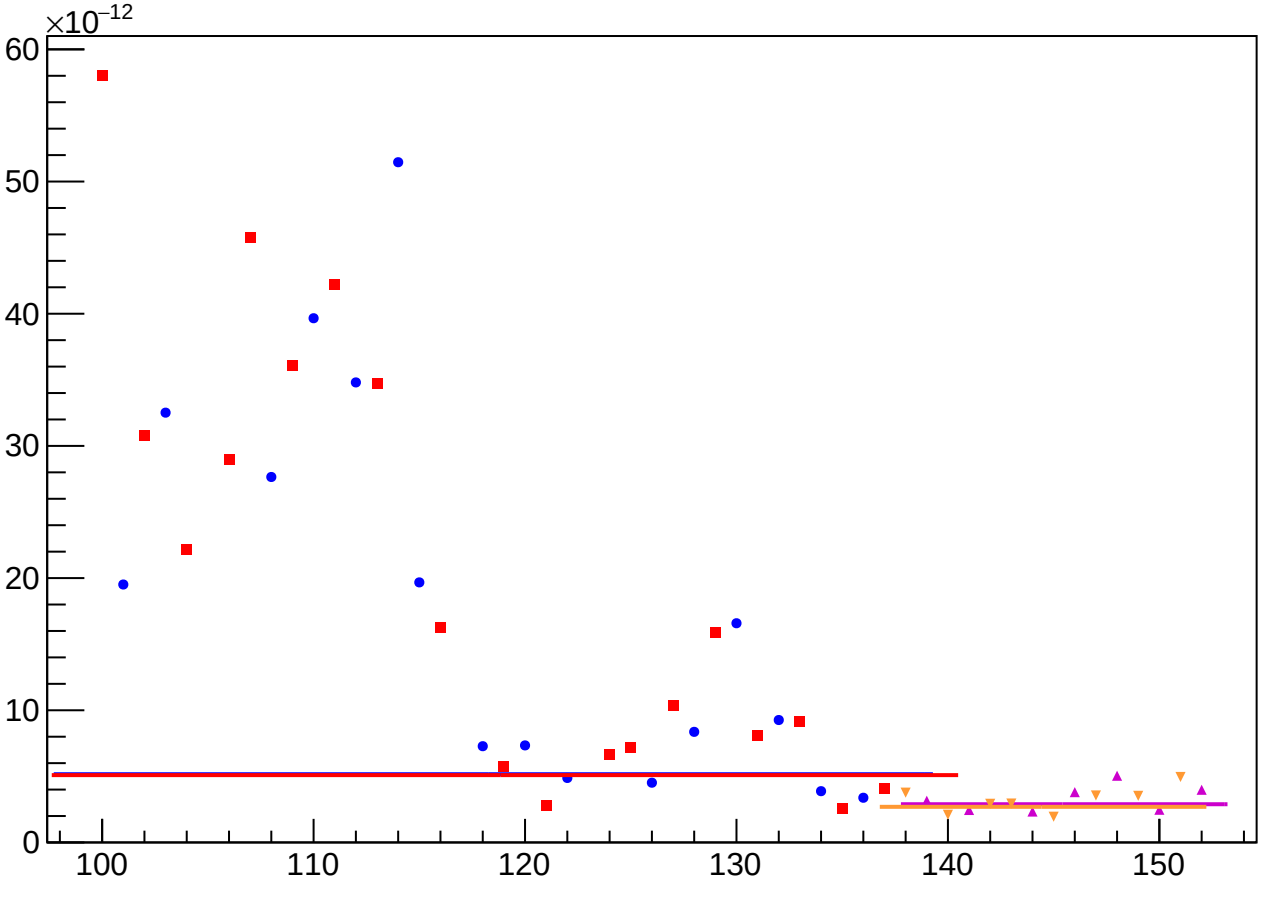
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:17.9/22

Out: 0.000+/-0.000 χ^2/NDF:29.1/26

All: 0.000+/-0.000 χ^2/NDF: 47.1/49

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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:310154.4/6

Left: 0.000+/-0.000 χ^2/NDF: 810524.8/14

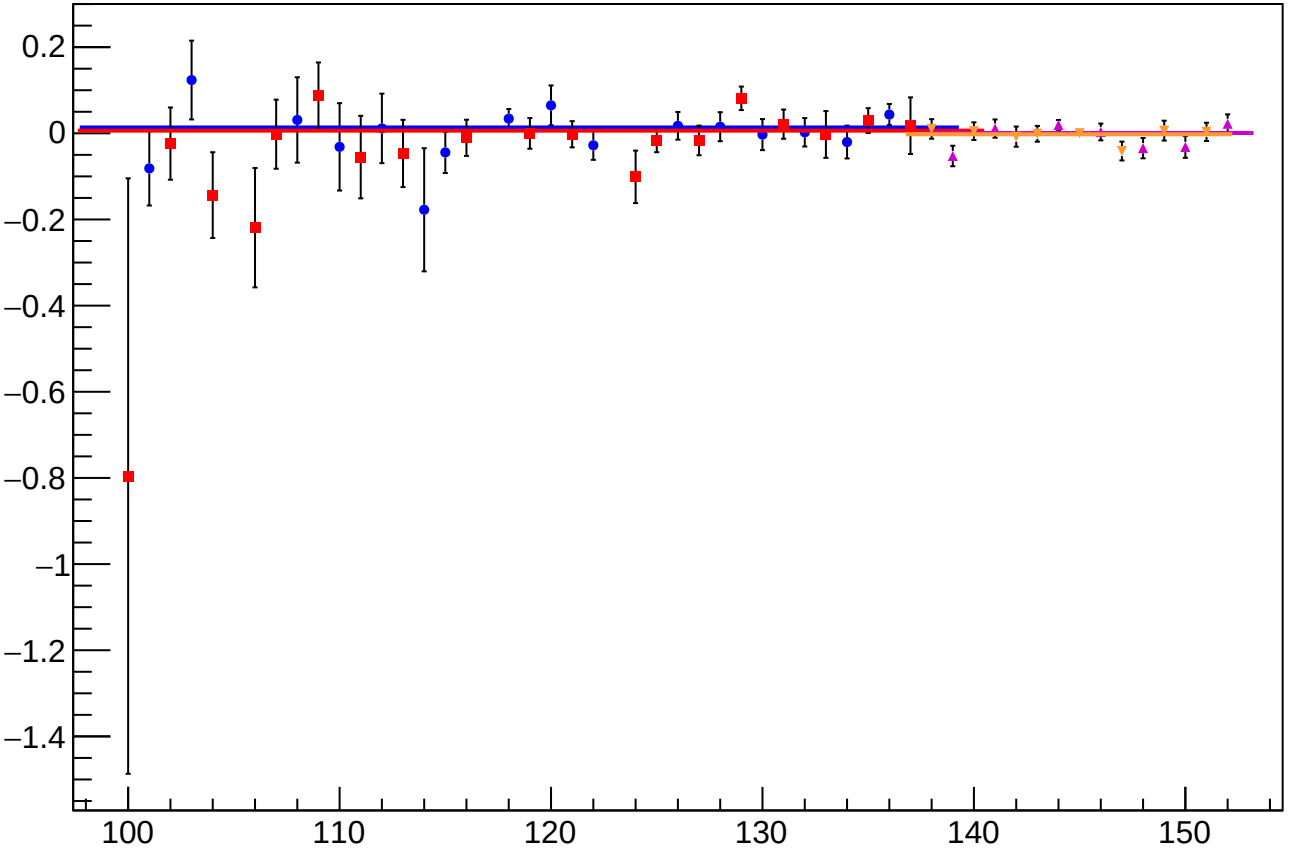
Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:3534193.4/22

Out: 0.000+/-0.000 χ^2/NDF:4342061.1/26

All: 0.000+/-0.000 χ^2/NDF: 7905902.4/49

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.007 χ^2/NDF:3.9/7

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.007 χ^2/NDF:12.6/6

Left: -0.001+/-0.005 χ^2/NDF: 16.6/14

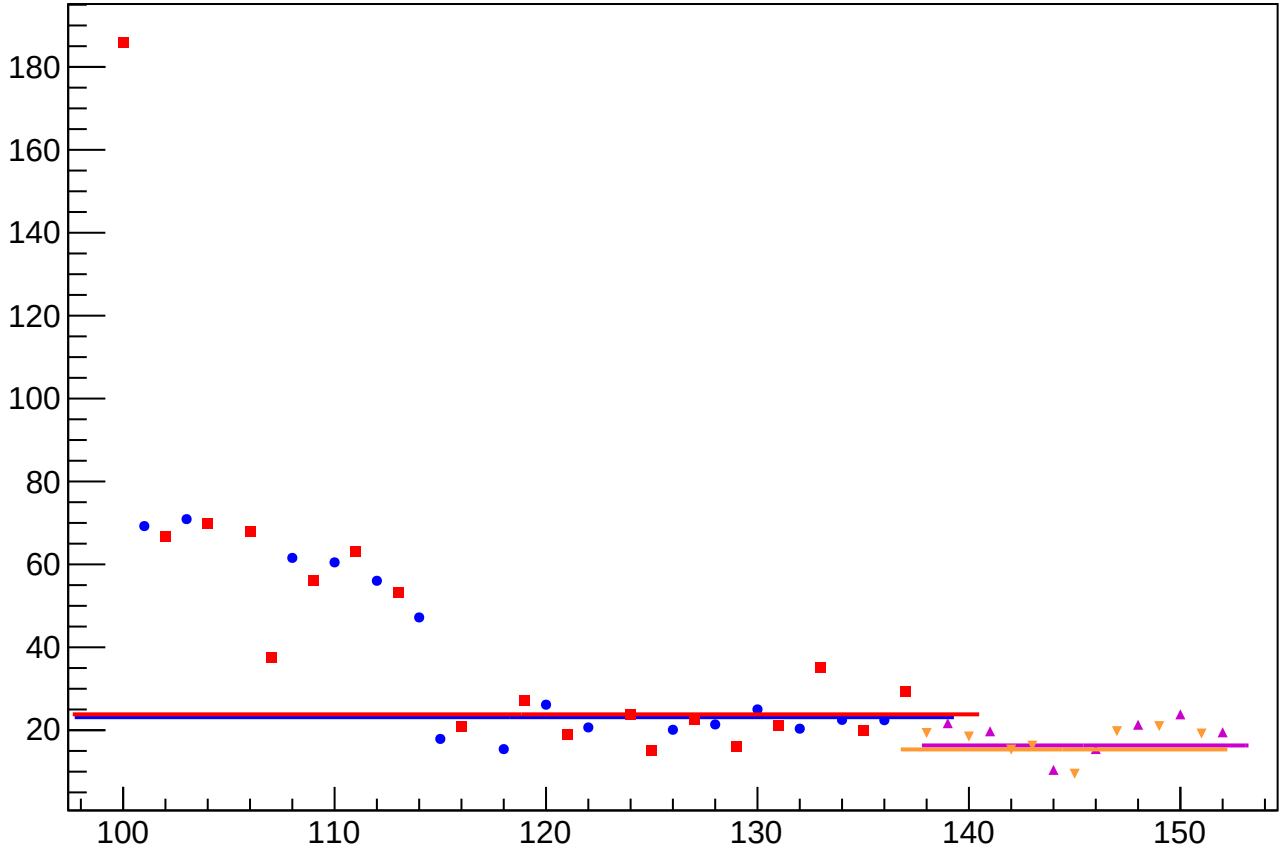
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.006 χ^2/NDF:26.0/22

Out: 0.000+/-0.006 χ^2/NDF:25.8/26

All: 0.003+/-0.004 χ^2/NDF: 52.2/49

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.361+/-0.005 χ^2/NDF:915142.1/7

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 16.322+/-0.005 χ^2/NDF:966111.9/6

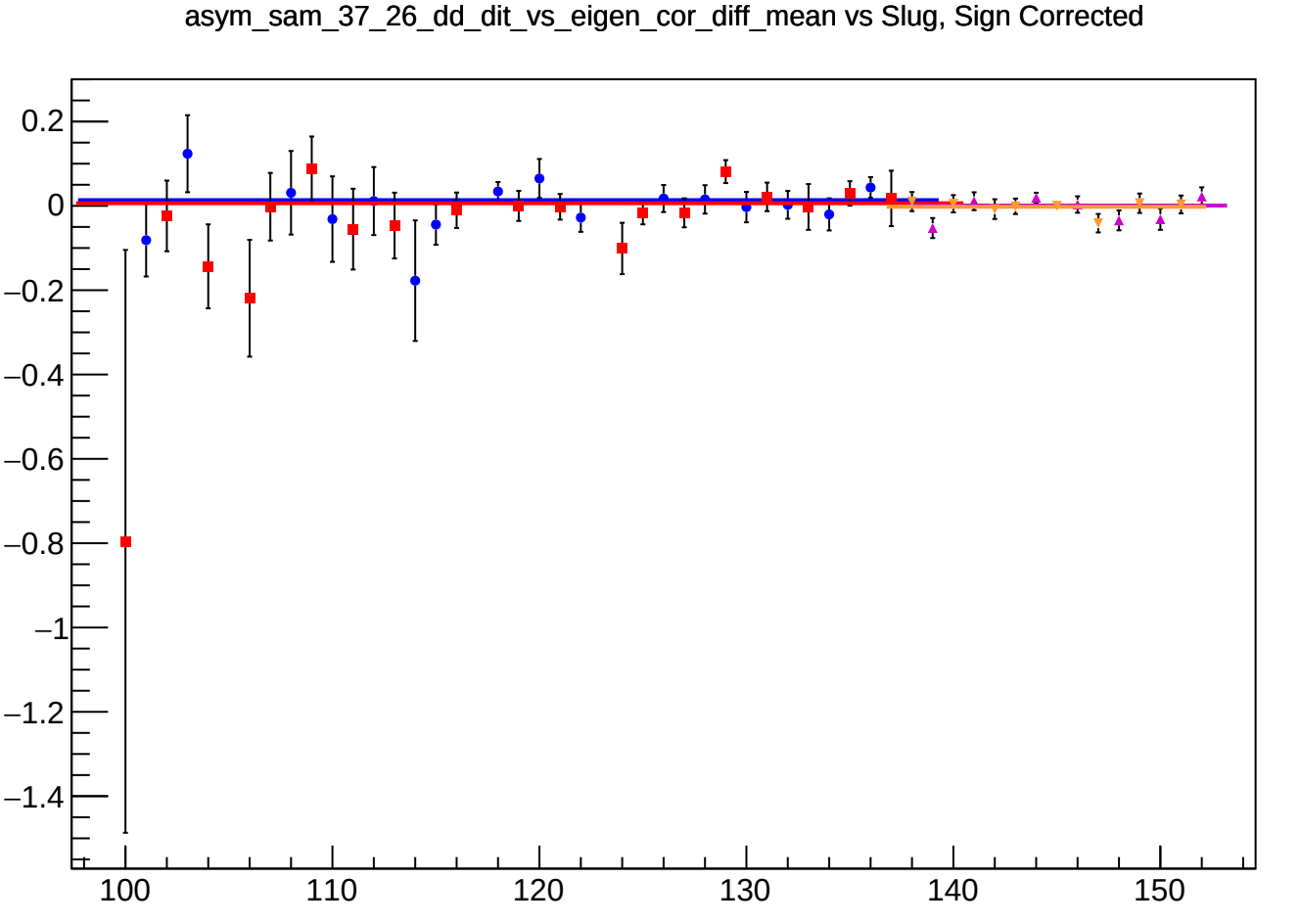
Left: 15.798+/-0.003 χ^2/NDF: 1900684.9/14

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.698+/-0.004 χ^2/NDF:3998400.2/22

Out: 17.891+/-0.004 χ^2/NDF:4805110.1/26

All: 18.273+/-0.003 χ^2/NDF: 8823870.9/49



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: 0.001+/-0.007 χ^2/NDF:12.6/6

Left: -0.001+/-0.005 χ^2/NDF: 16.6/14

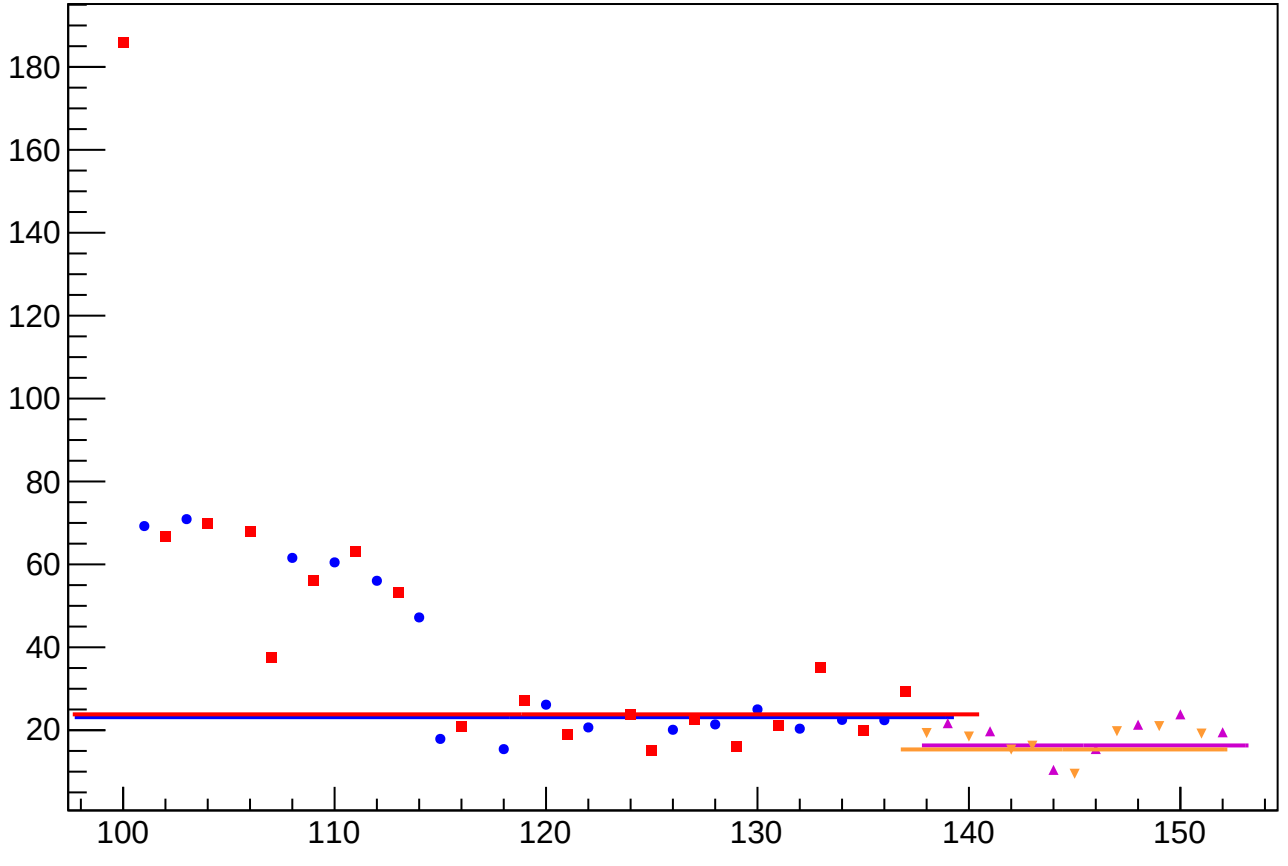
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.006 χ^2/NDF:26.0/22

Out: 0.000+/-0.006 χ^2/NDF:25.8/26

All: 0.003+/-0.004 χ^2/NDF: 52.2/49

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: 16.322+/-0.005 χ^2/NDF:966111.9/6

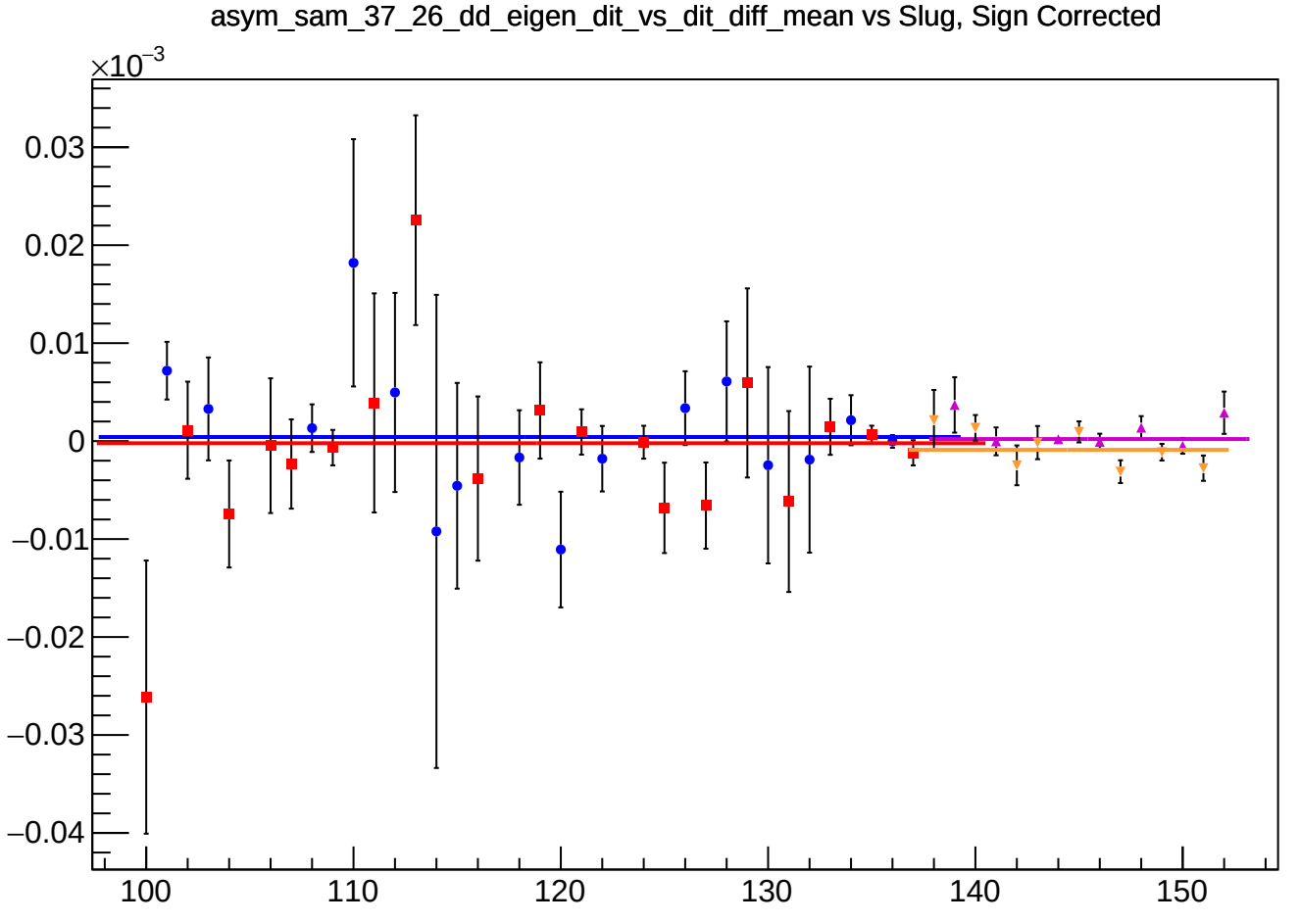
Left: 15.798+/-0.003 χ^2/NDF: 1900684.9/14

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.698+/-0.004 χ^2/NDF:3998400.2/22

Out: 17.891+/-0.004 χ^2/NDF:4805110.1/26

All: 18.273+/-0.003 χ^2/NDF: 8823870.9/49



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:4.9/6

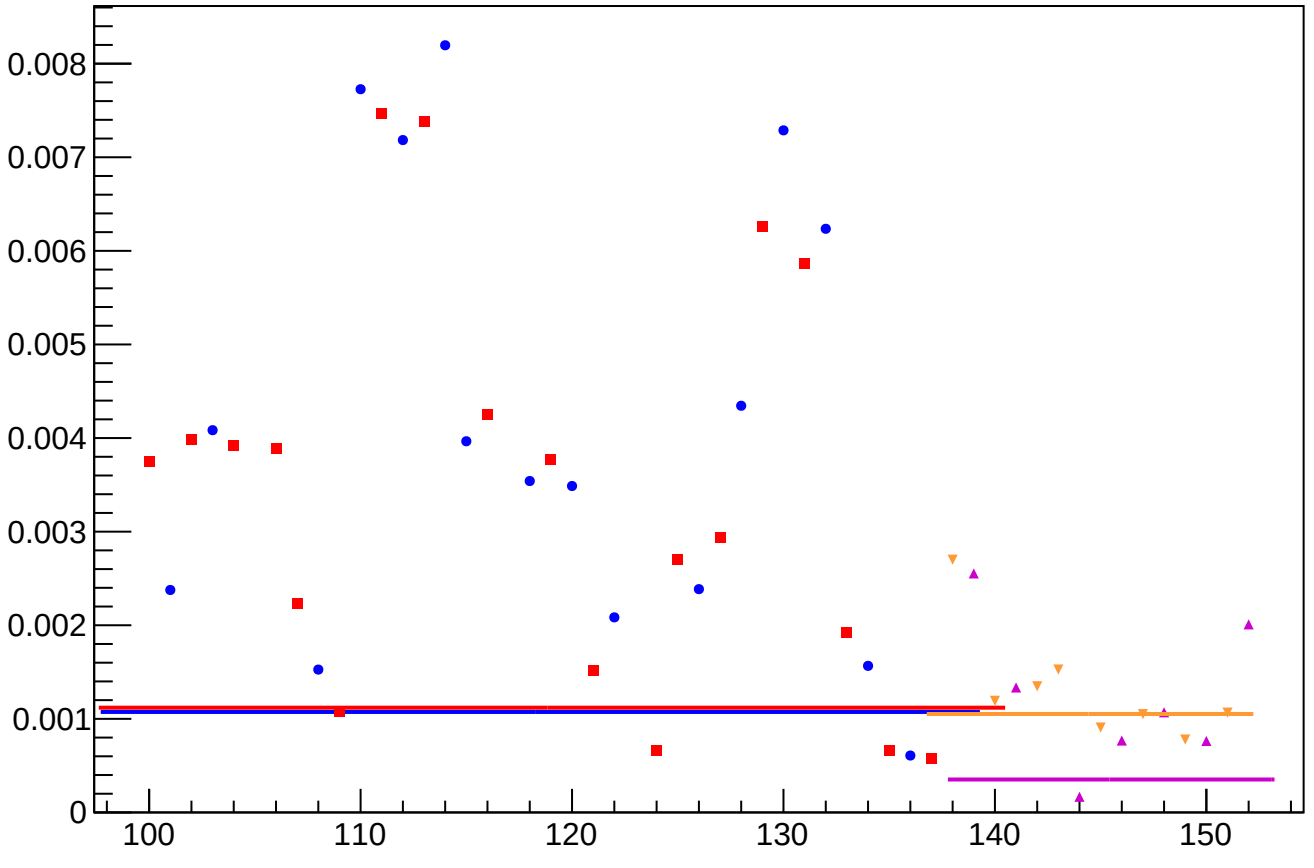
Left: -0.000+/-0.000 χ^2/NDF: 23.1/14

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:20.3/22

Out: -0.000+/-0.000 χ^2/NDF:32.2/26

All: 0.000+/-0.000 χ^2/NDF: 56.9/49



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:6162327.7/6

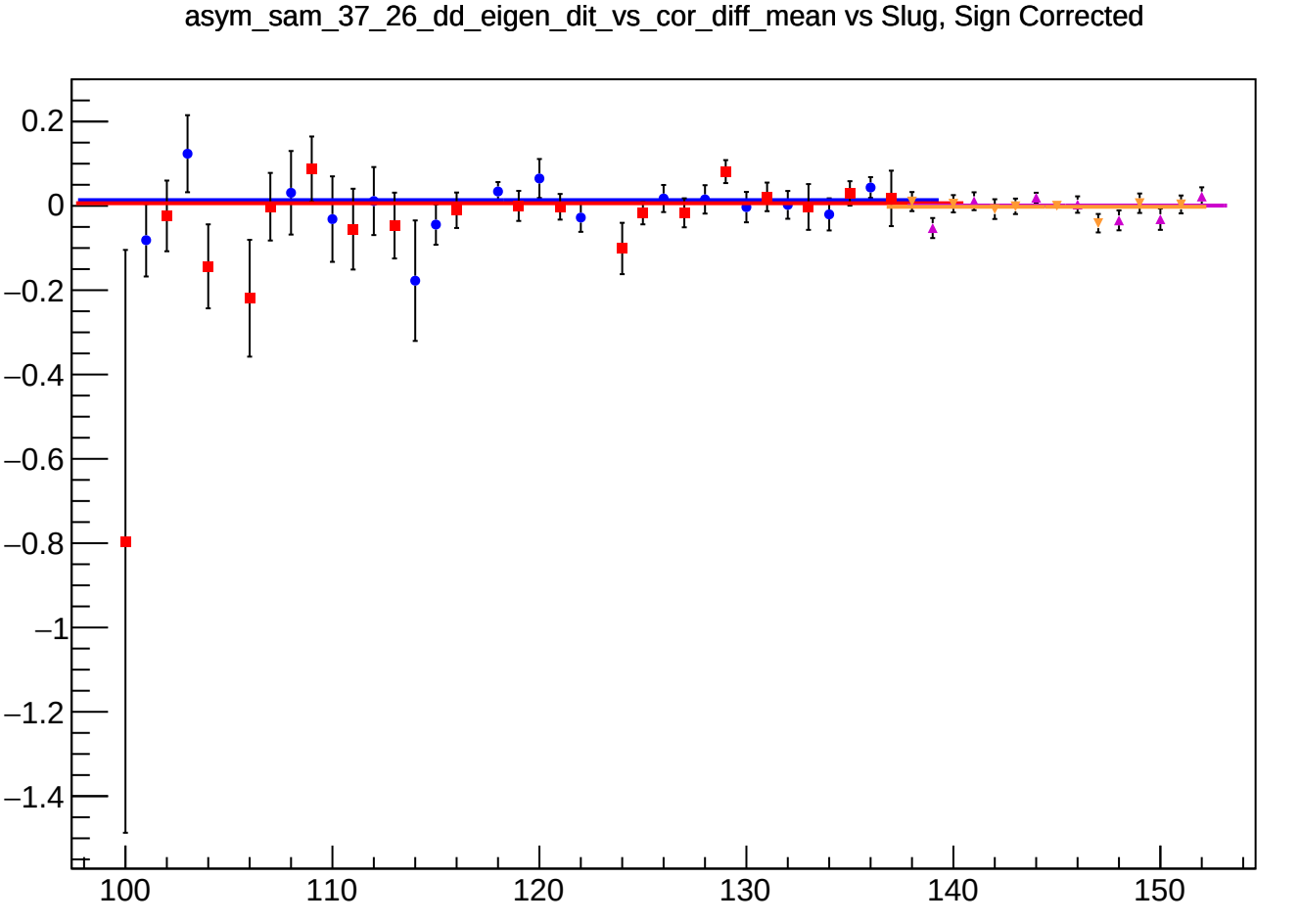
Left: 0.000+/-0.000 χ^2/NDF: 11029887.4/14

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

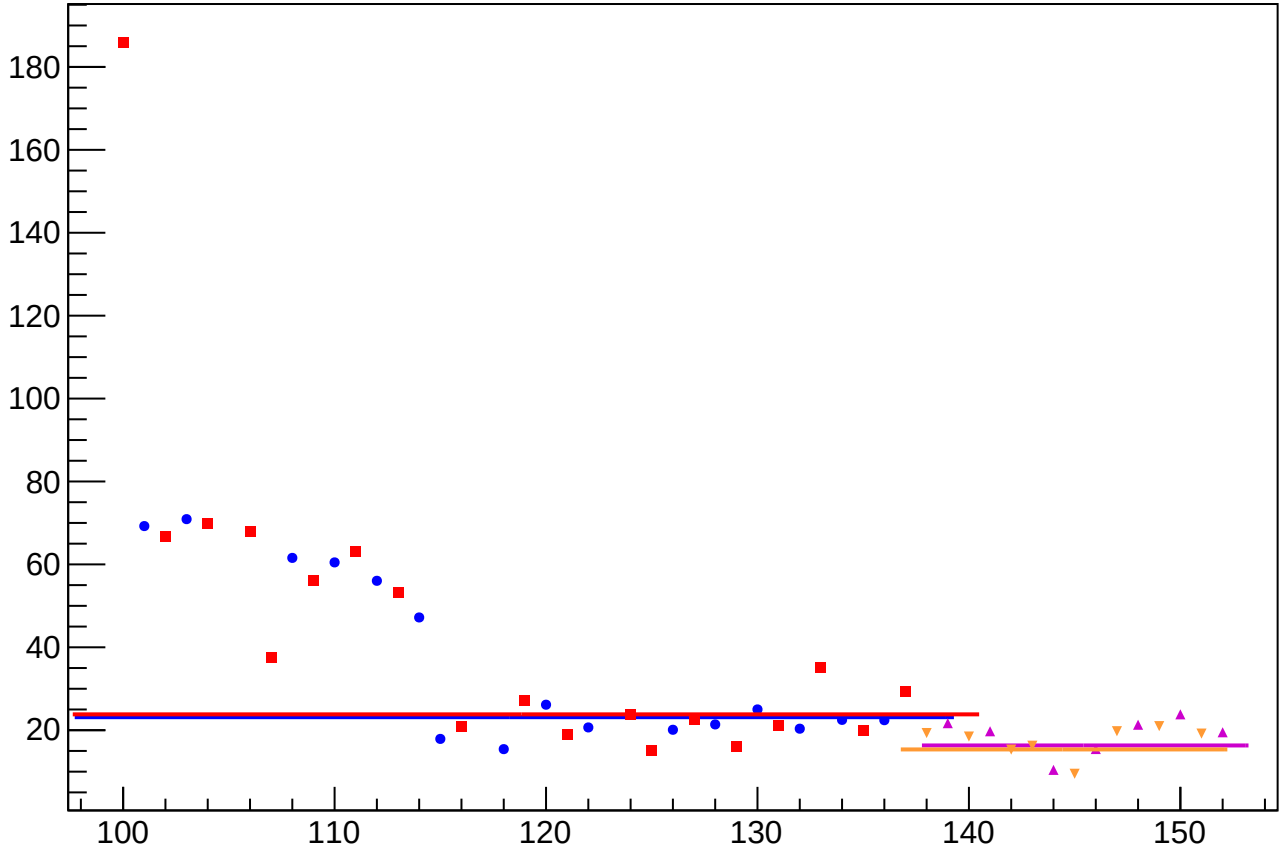
In: 0.000+/-0.000 χ^2/NDF:16061537.4/22

Out: 0.001+/-0.000 χ^2/NDF:7847152.0/26

All: 0.001+/-0.000 χ^2/NDF: 28574727.3/49


asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
Right In: 0.014+/-0.010 χ²/NDF: 12.3/15
Left Out: -0.002+/-0.007 χ²/NDF:3.9/7
Right Out: 0.006+/-0.010 χ²/NDF: 21.5/18
Left In: 0.001+/-0.007 χ²/NDF:12.6/6
Left: -0.001+/-0.005 χ²/NDF: 16.6/14
Right: 0.010+/-0.007 χ²/NDF: 34.1/34
In: 0.005+/-0.006 χ²/NDF:26.0/22
Out: 0.000+/-0.006 χ²/NDF:25.8/26
All: 0.003+/-0.004 χ²/NDF: 52.2/49

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: 16.322+/-0.005 χ^2/NDF:966076.0/6

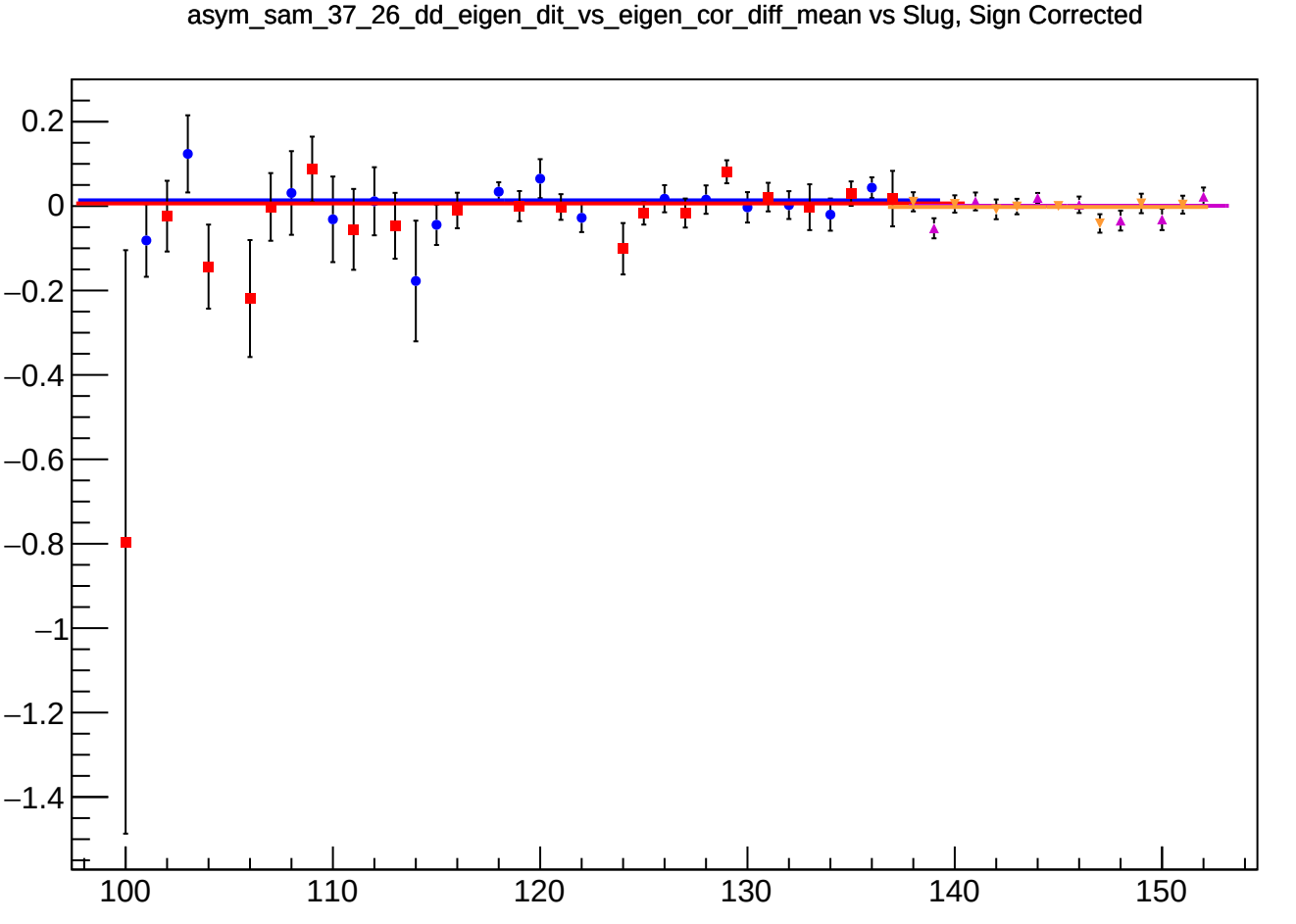
Left: 15.798+/-0.003 χ^2/NDF: 1900731.5/14

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.698+/-0.004 χ^2/NDF:3998165.1/22

Out: 17.891+/-0.004 χ^2/NDF:4805015.4/26

All: 18.273+/-0.003 χ^2/NDF: 8823533.3/49



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: 0.001+/-0.007 χ^2/NDF:12.6/6

Left: -0.001+/-0.005 χ^2/NDF: 16.6/14

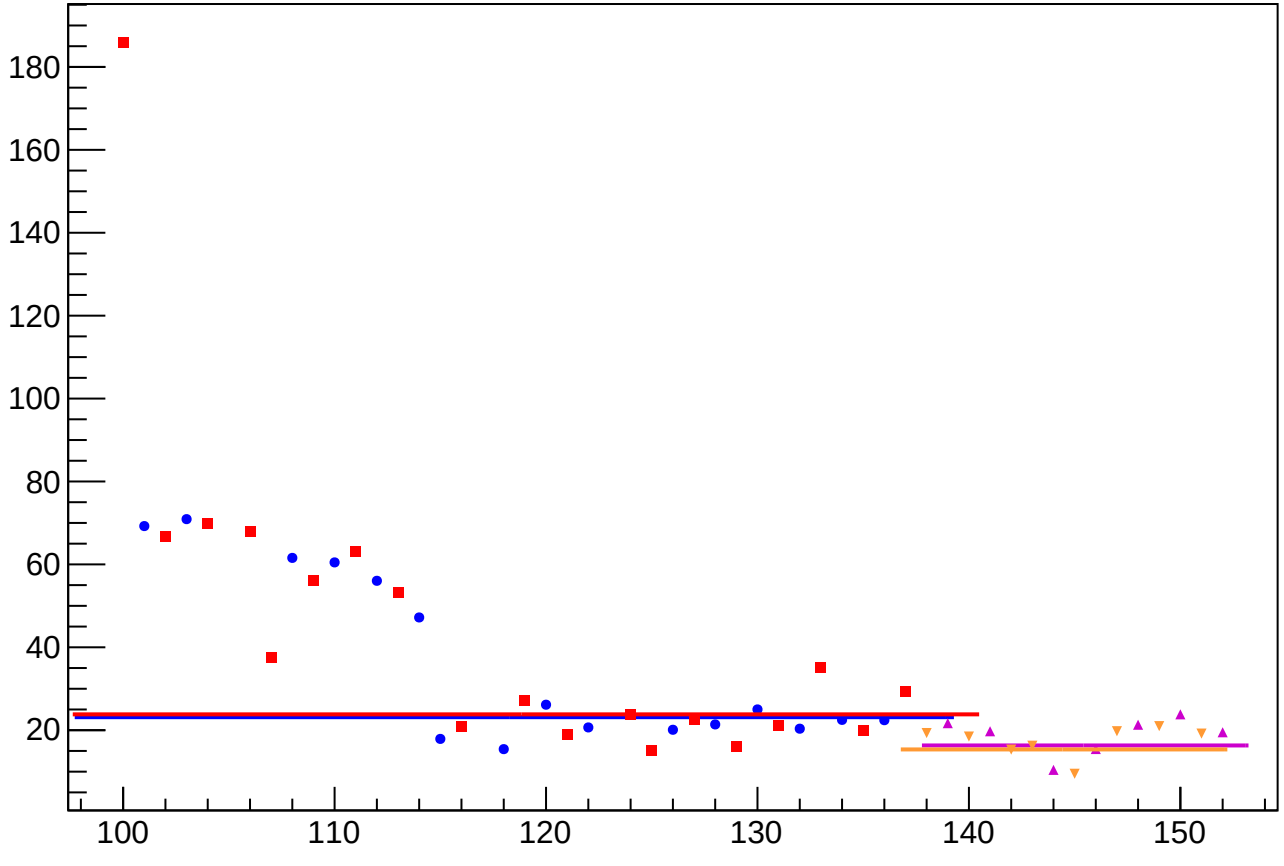
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.006 χ^2/NDF:26.0/22

Out: 0.000+/-0.006 χ^2/NDF:25.8/26

All: 0.003+/-0.004 χ^2/NDF: 52.2/49

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: 16.322+/-0.005 χ^2/NDF:966076.0/6

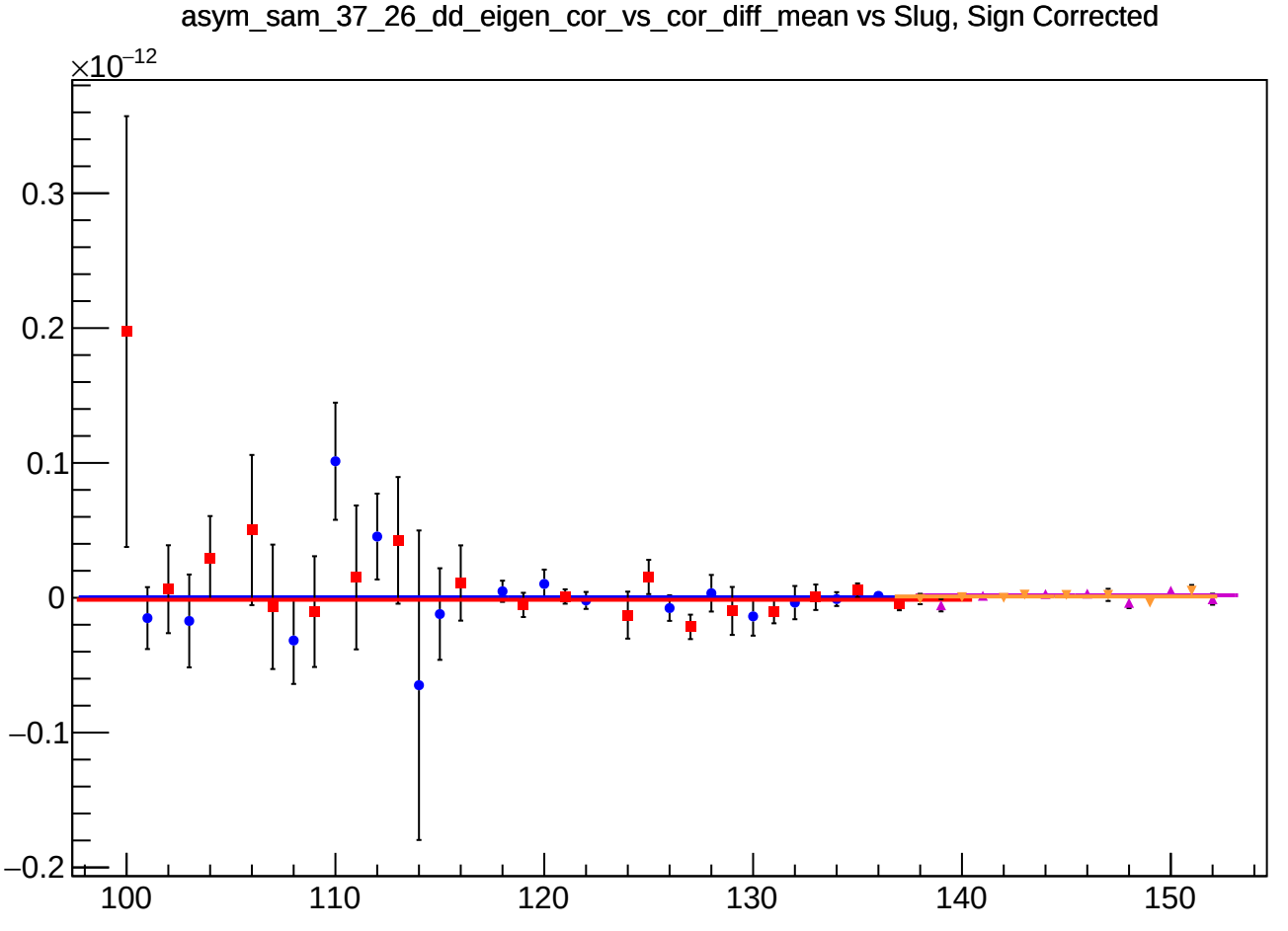
Left: 15.798+/-0.003 χ^2/NDF: 1900731.5/14

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.698+/-0.004 χ^2/NDF:3998165.1/22

Out: 17.891+/-0.004 χ^2/NDF:4805015.4/26

All: 18.273+/-0.003 χ^2/NDF: 8823533.3/49



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:7.3/6

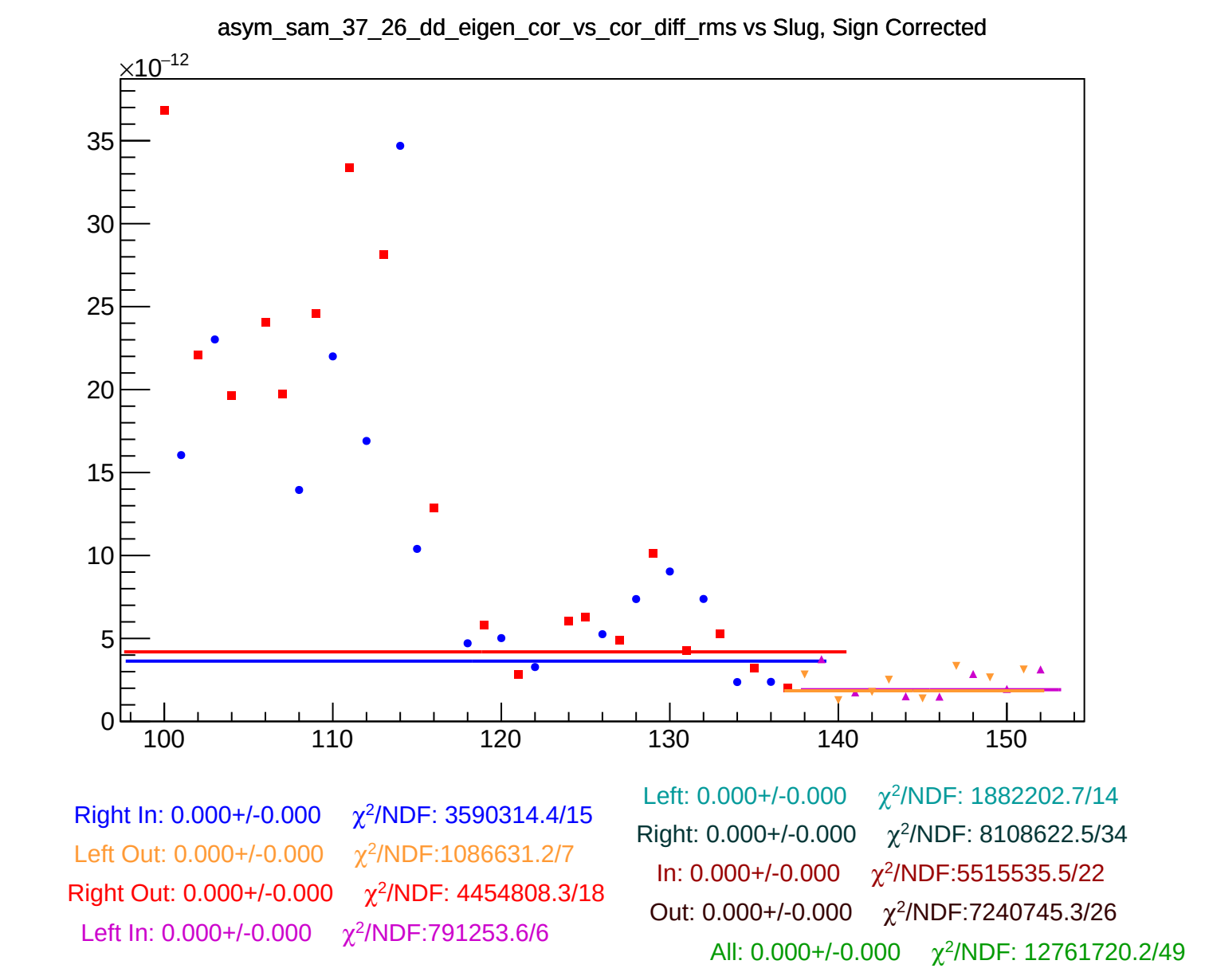
Left: 0.000+/-0.000 χ^2/NDF: 11.6/14

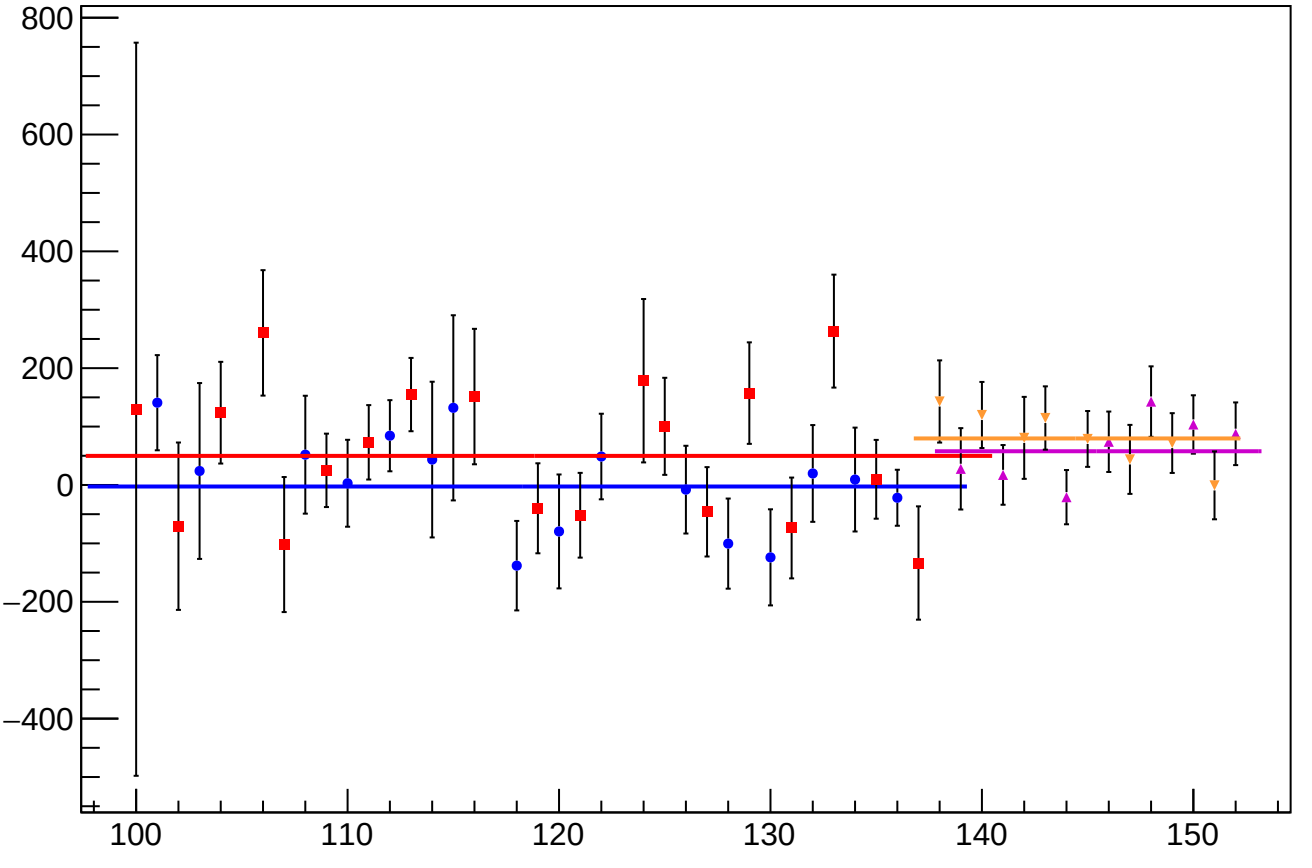
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:20.7/22

Out: 0.000+/-0.000 χ^2/NDF:20.4/26

All: 0.000+/-0.000 χ^2/NDF: 41.6/49


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:791253.6/6
Left: 0.000+/-0.000 χ²/NDF: 1882202.7/14
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:5515535.5/22
Out: 0.000+/-0.000 χ²/NDF:7240745.3/26
All: 0.000+/-0.000 χ²/NDF: 12761720.2/49



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: 57.754+/-20.210 χ^2/NDF:6.9/6

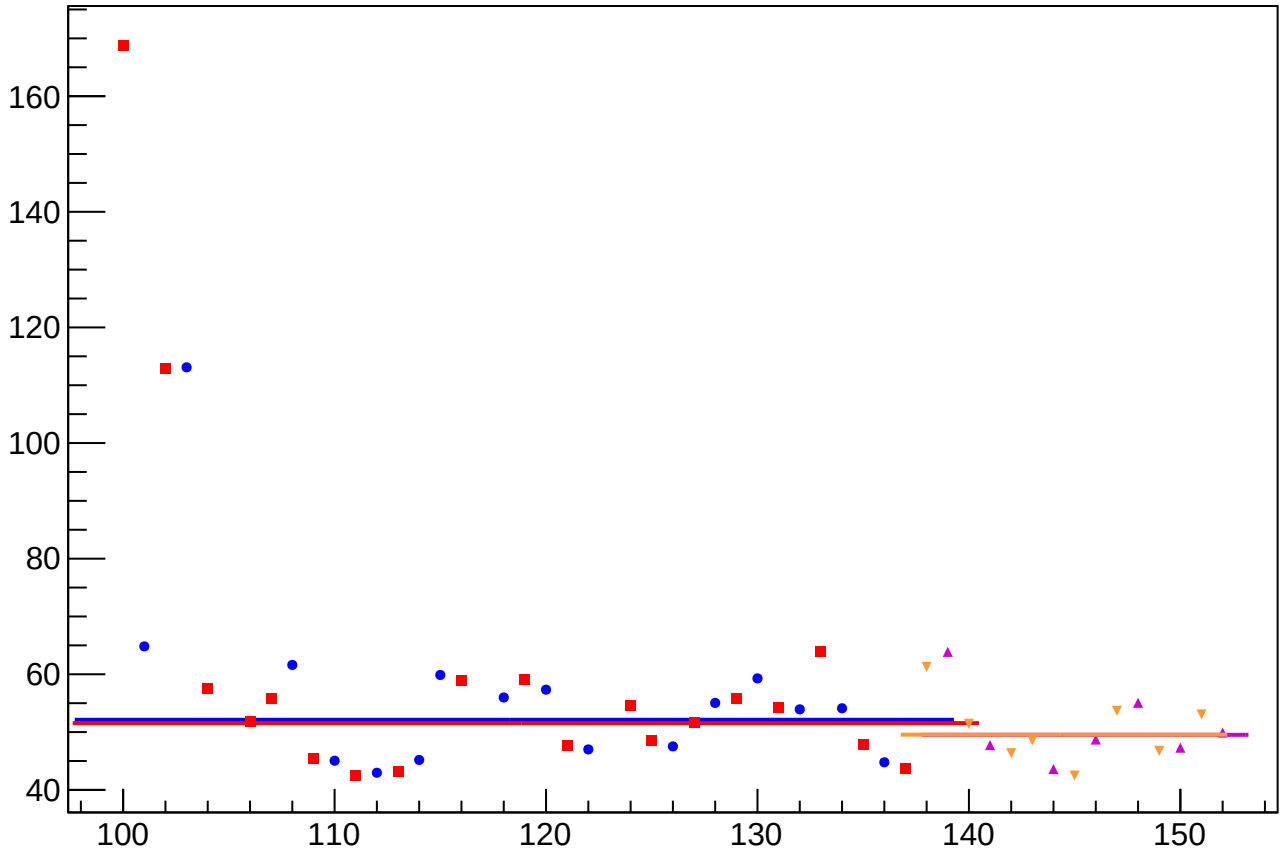
Left: 68.742+/-14.274 χ^2/NDF: 11.5/14

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 27.247+/-14.214 χ^2/NDF:26.0/22

Out: 64.337+/-14.062 χ^2/NDF:34.5/26

All: 45.992+/-9.996 χ^2/NDF: 64.0/49



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: 49.526+/-0.014 χ^2/NDF:141289.9/6

Left: 49.542+/-0.010 χ^2/NDF: 270709.3/14

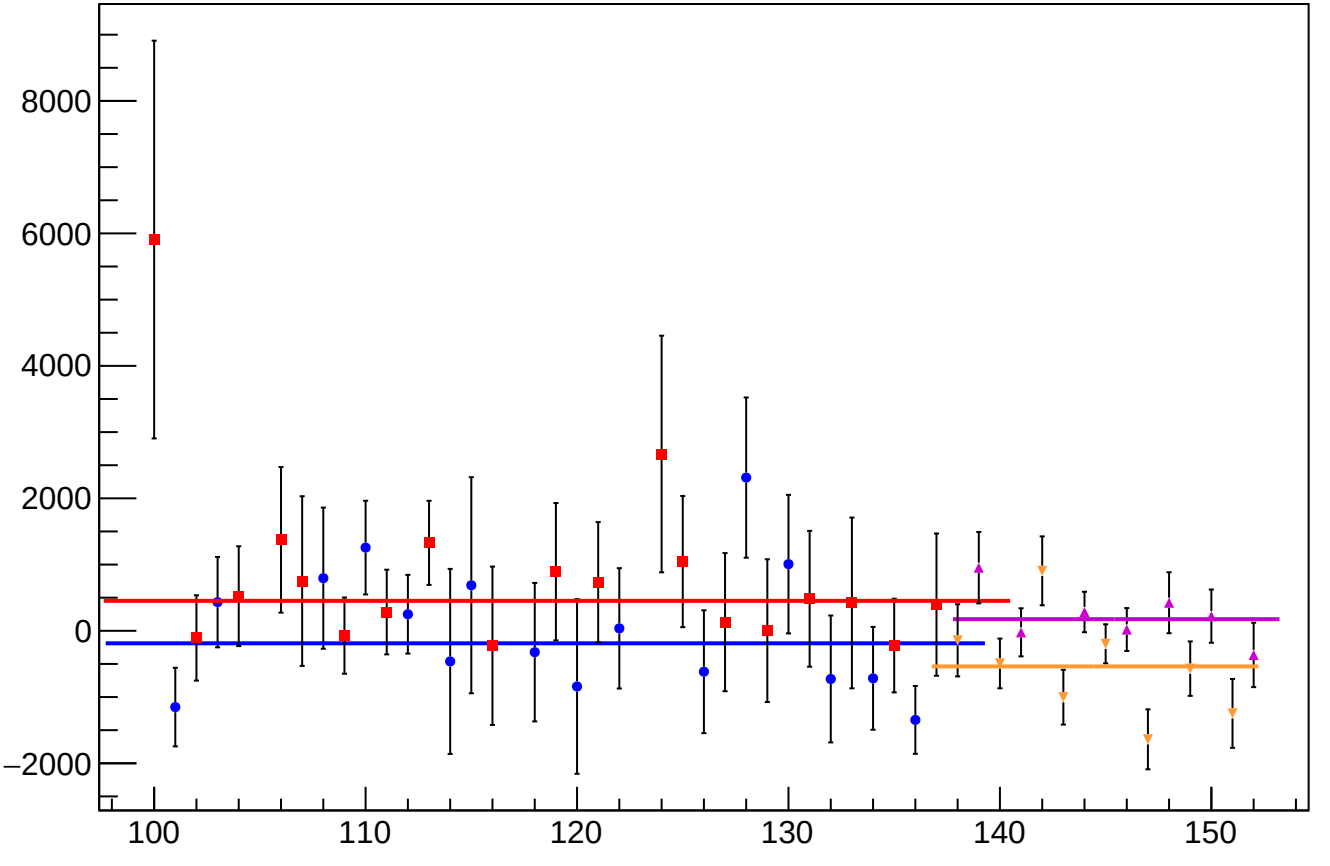
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.841+/-0.010 χ^2/NDF:720966.2/22

Out: 50.581+/-0.010 χ^2/NDF:779016.9/26

All: 50.709+/-0.007 χ^2/NDF: 1500323.1/49

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: 176.057+/-146.816 χ^2/NDF:4.3/6

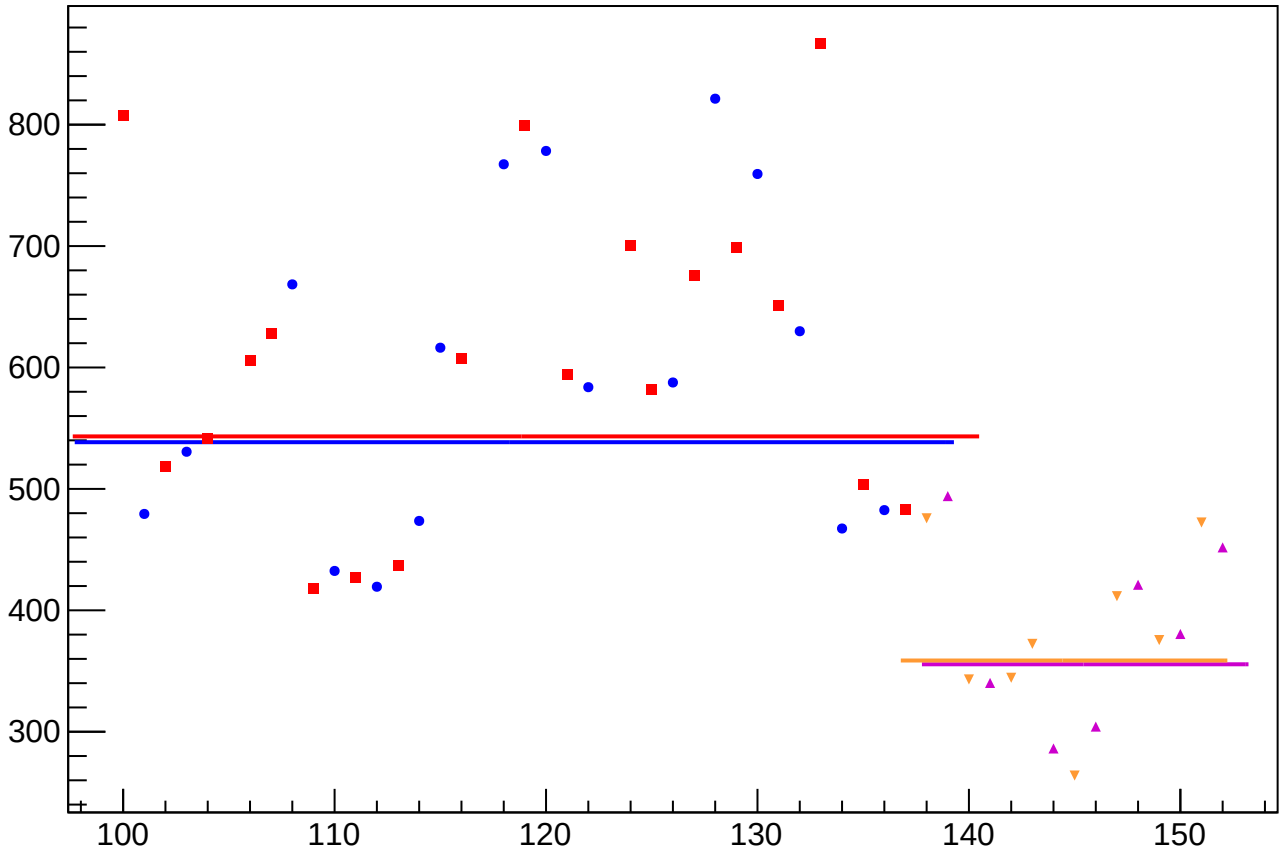
Left: -179.166+/-104.033 χ^2/NDF: 34.6/14

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 53.088+/-119.522 χ^2/NDF:27.7/22

Out: -197.557+/-119.478 χ^2/NDF:45.4/26

All: -72.280+/-84.499 χ^2/NDF: 75.3/49



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: 355.549+/-0.104 χ^2/NDF:415250.5/6

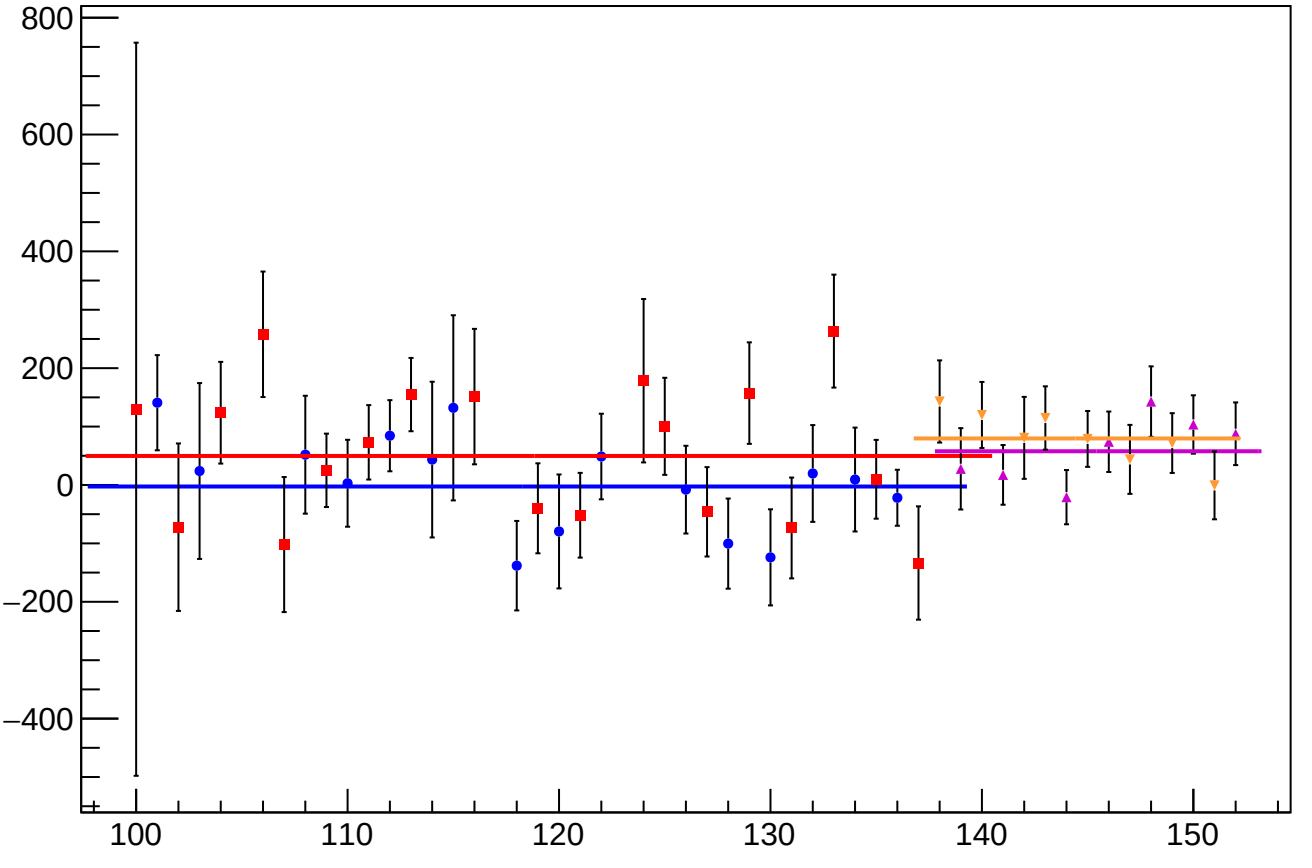
Left: 357.101+/-0.074 χ^2/NDF: 848215.4/14

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 417.239+/-0.085 χ^2/NDF:2076265.8/22

Out: 422.029+/-0.084 χ^2/NDF:2145700.9/26

All: 419.635+/-0.060 χ^2/NDF: 4223573.6/49



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: 57.755+/-20.210 χ^2/NDF:6.9/6

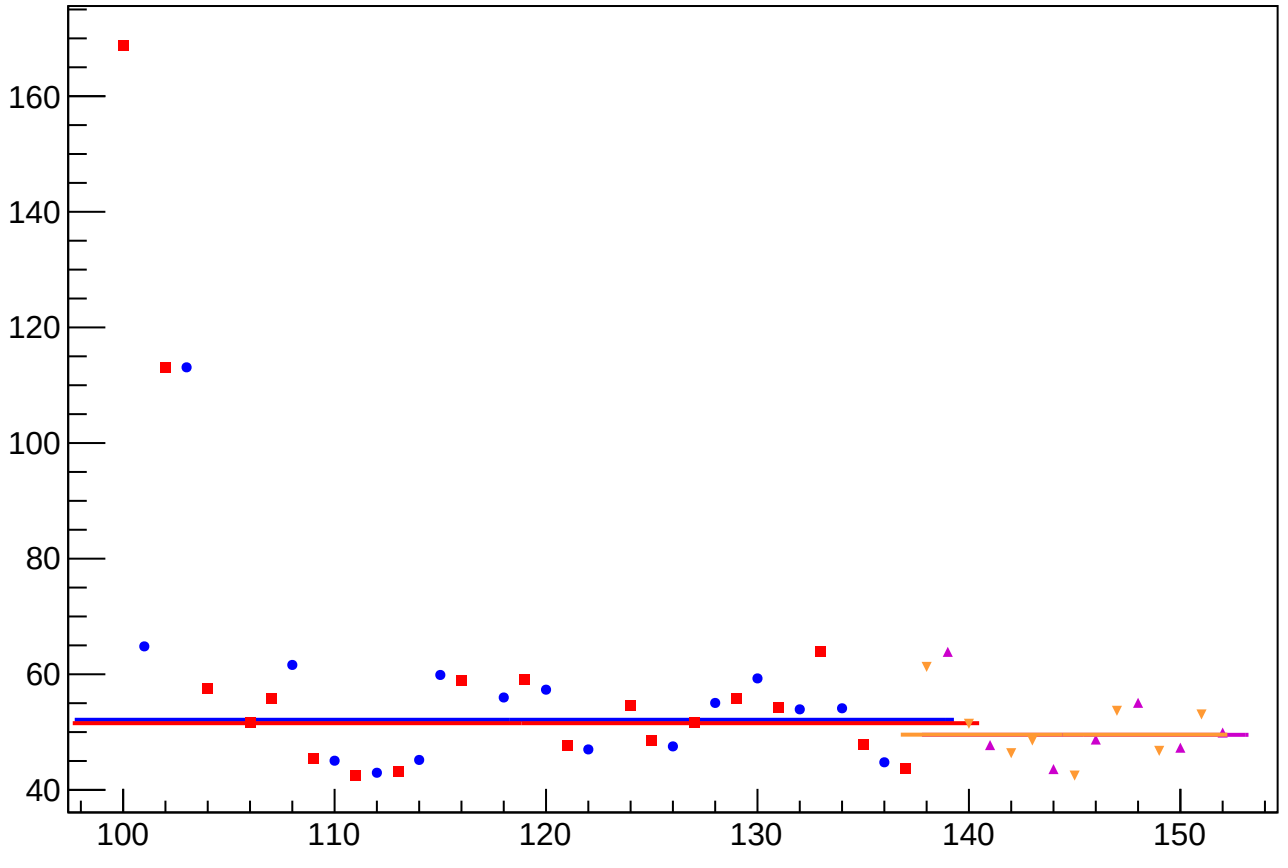
Left: 68.744+/-14.274 χ^2/NDF: 11.5/14

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 27.245+/-14.214 χ^2/NDF:26.0/22

Out: 64.280+/-14.062 χ^2/NDF:34.4/26

All: 45.962+/-9.996 χ^2/NDF: 63.9/49



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: 49.526+/-0.014 χ^2/NDF:141289.9/6

Left: 49.542+/-0.010 χ^2/NDF: 270709.3/14

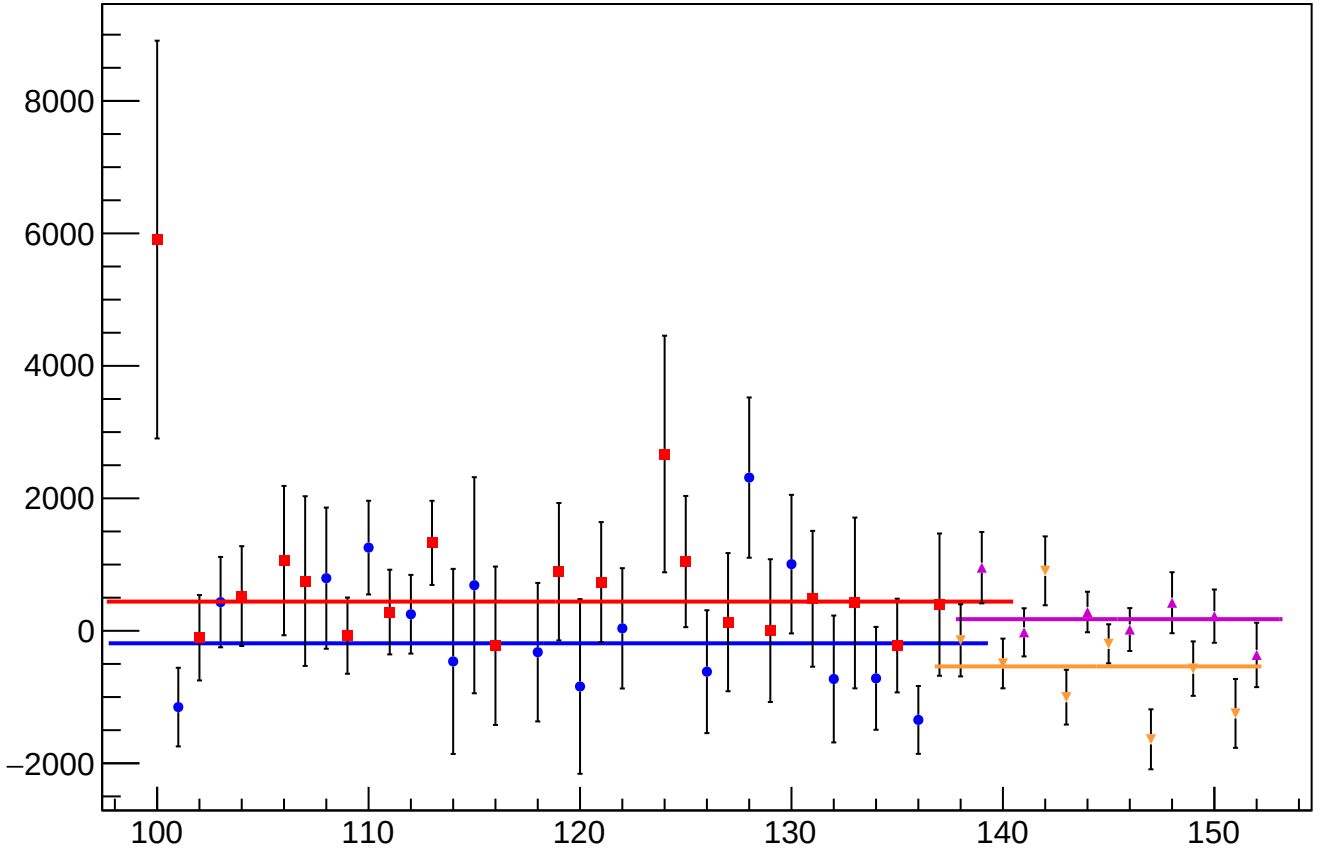
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.841+/-0.010 χ^2/NDF:720968.5/22

Out: 50.575+/-0.010 χ^2/NDF:779132.9/26

All: 50.707+/-0.007 χ^2/NDF: 1500455.4/49

asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -537.386+/-147.435 χ^2/NDF:18.6/7

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 176.061+/-146.816 χ^2/NDF:4.3/6

Left: -179.162+/-104.033 χ^2/NDF: 34.6/14

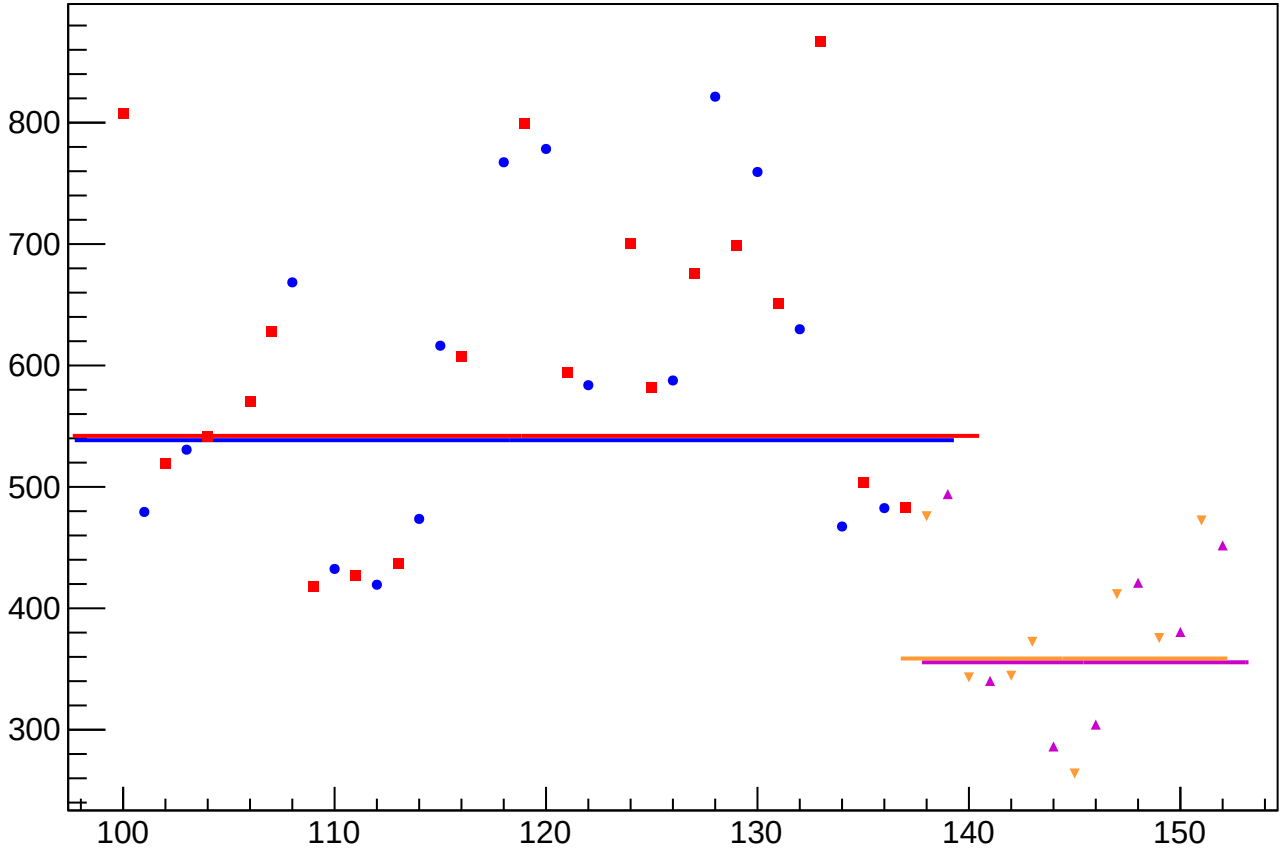
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 53.099+/-119.522 χ^2/NDF:27.7/22

Out: -201.874+/-119.516 χ^2/NDF:44.6/26

All: -74.393+/-84.513 χ^2/NDF: 74.6/49

asym_sam_1357_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 358.666+/-0.104 χ^2/NDF:432518.9/7

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 355.549+/-0.104 χ^2/NDF:415250.1/6

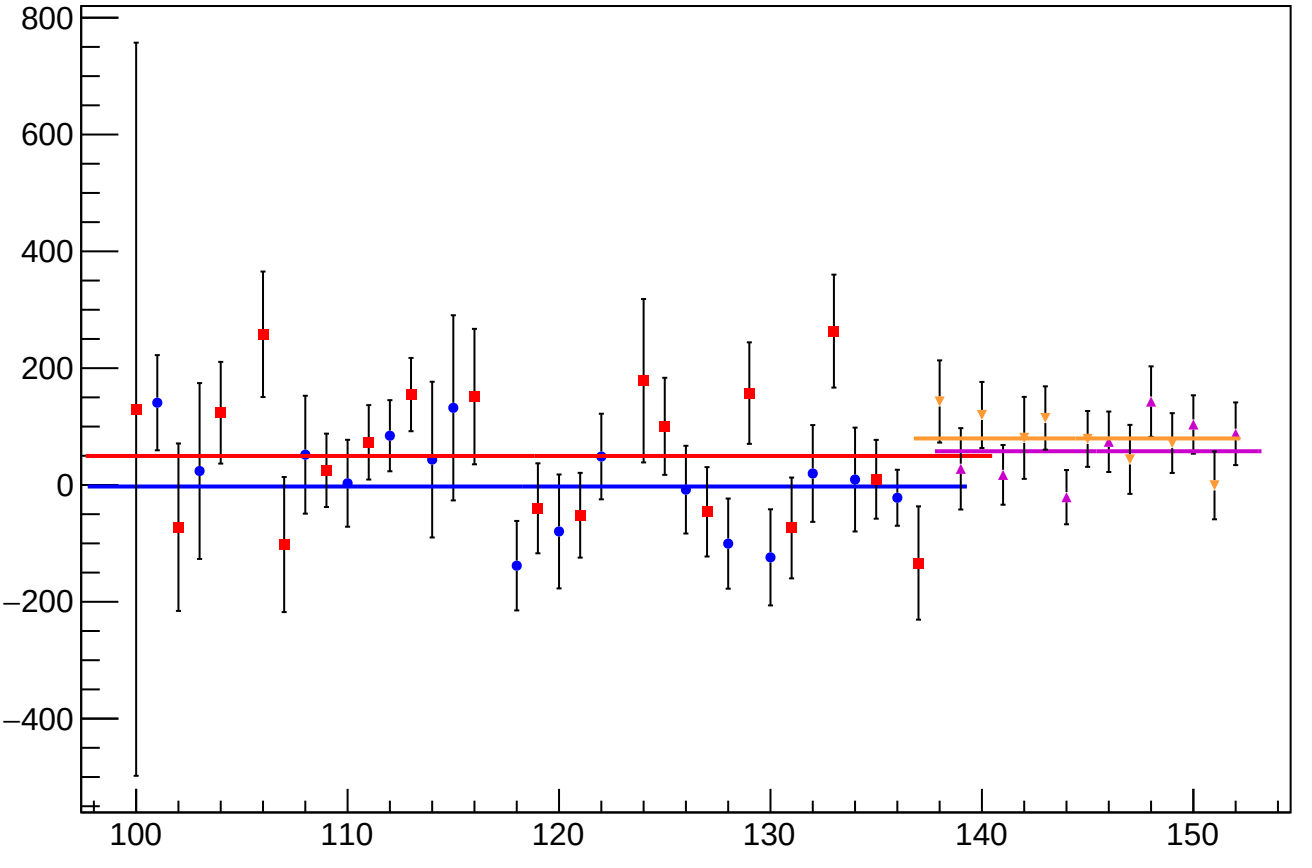
Left: 357.101+/-0.074 χ^2/NDF: 848217.7/14

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 417.240+/-0.085 χ^2/NDF:2076308.2/22

Out: 421.533+/-0.085 χ^2/NDF:2124694.6/26

All: 419.387+/-0.060 χ^2/NDF: 4202293.2/49



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: 57.755+/-20.210 χ^2/NDF:6.9/6

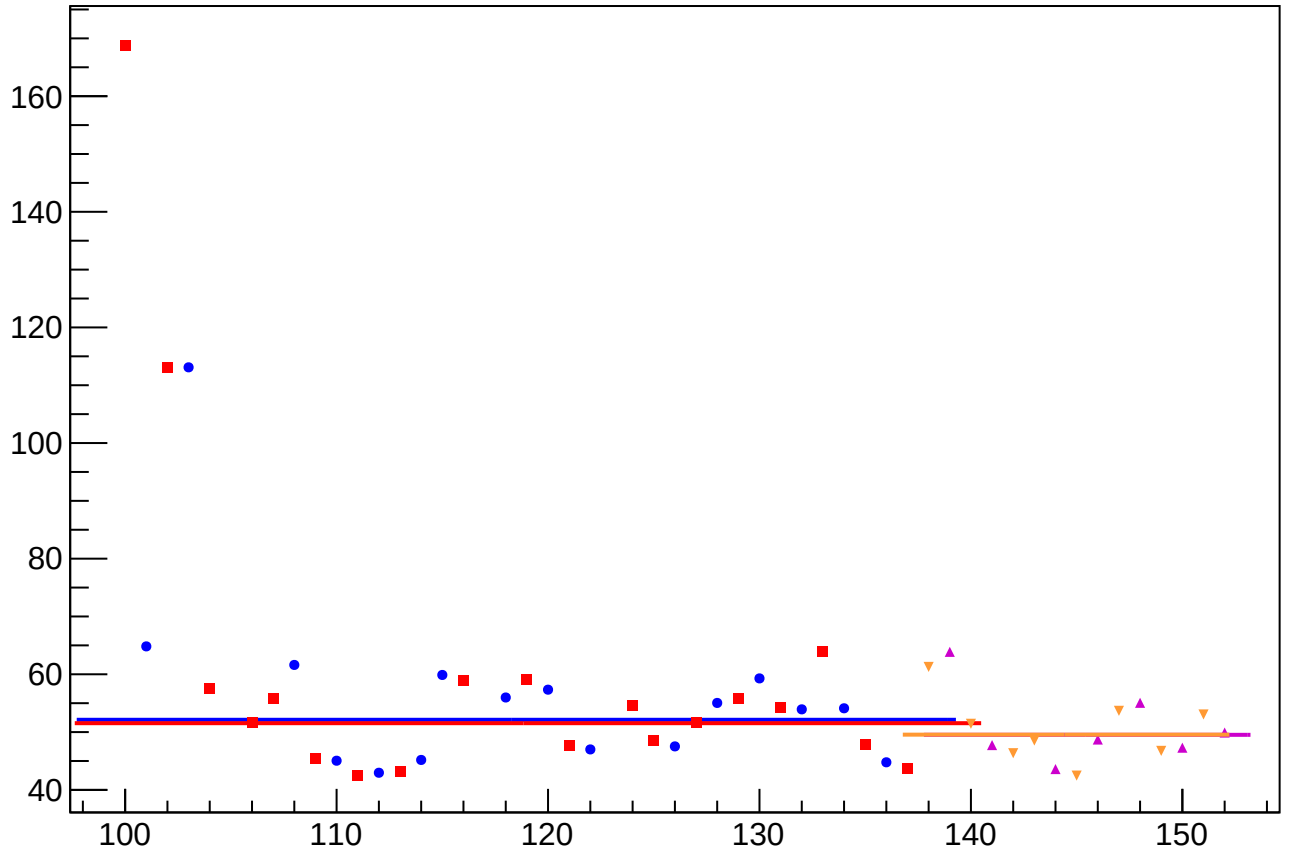
Left: 68.744+/-14.274 χ^2/NDF: 11.5/14

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 27.245+/-14.214 χ^2/NDF:26.0/22

Out: 64.280+/-14.062 χ^2/NDF:34.4/26

All: 45.962+/-9.996 χ^2/NDF: 63.9/49



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: 49.526+/-0.014 χ^2/NDF:141289.9/6

Left: 49.542+/-0.010 χ^2/NDF: 270709.3/14

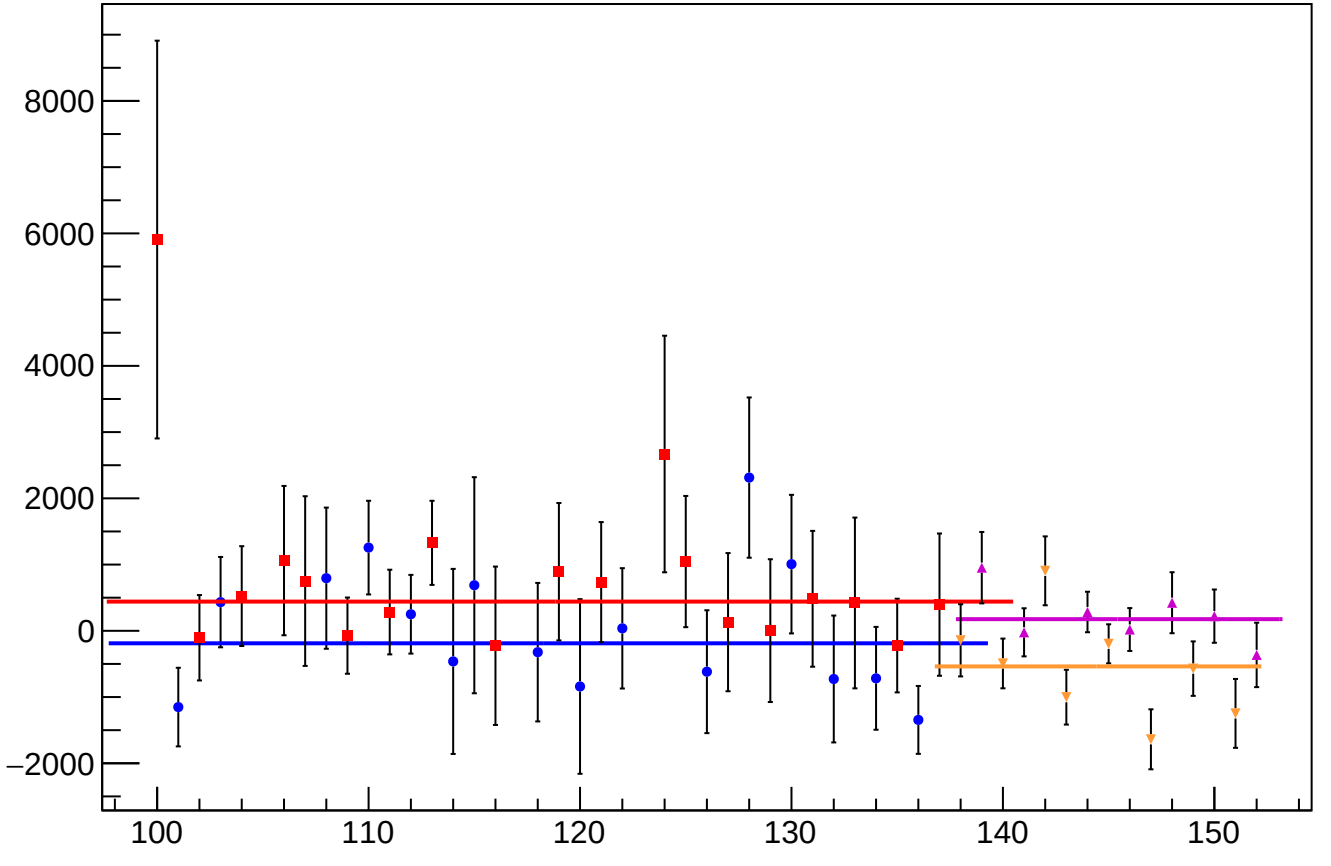
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.841+/-0.010 χ^2/NDF:720968.5/22

Out: 50.575+/-0.010 χ^2/NDF:779132.9/26

All: 50.707+/-0.007 χ^2/NDF: 1500455.4/49

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: 176.061+/-146.816 χ^2/NDF:4.3/6

Left: -179.162+/-104.033 χ^2/NDF: 34.6/14

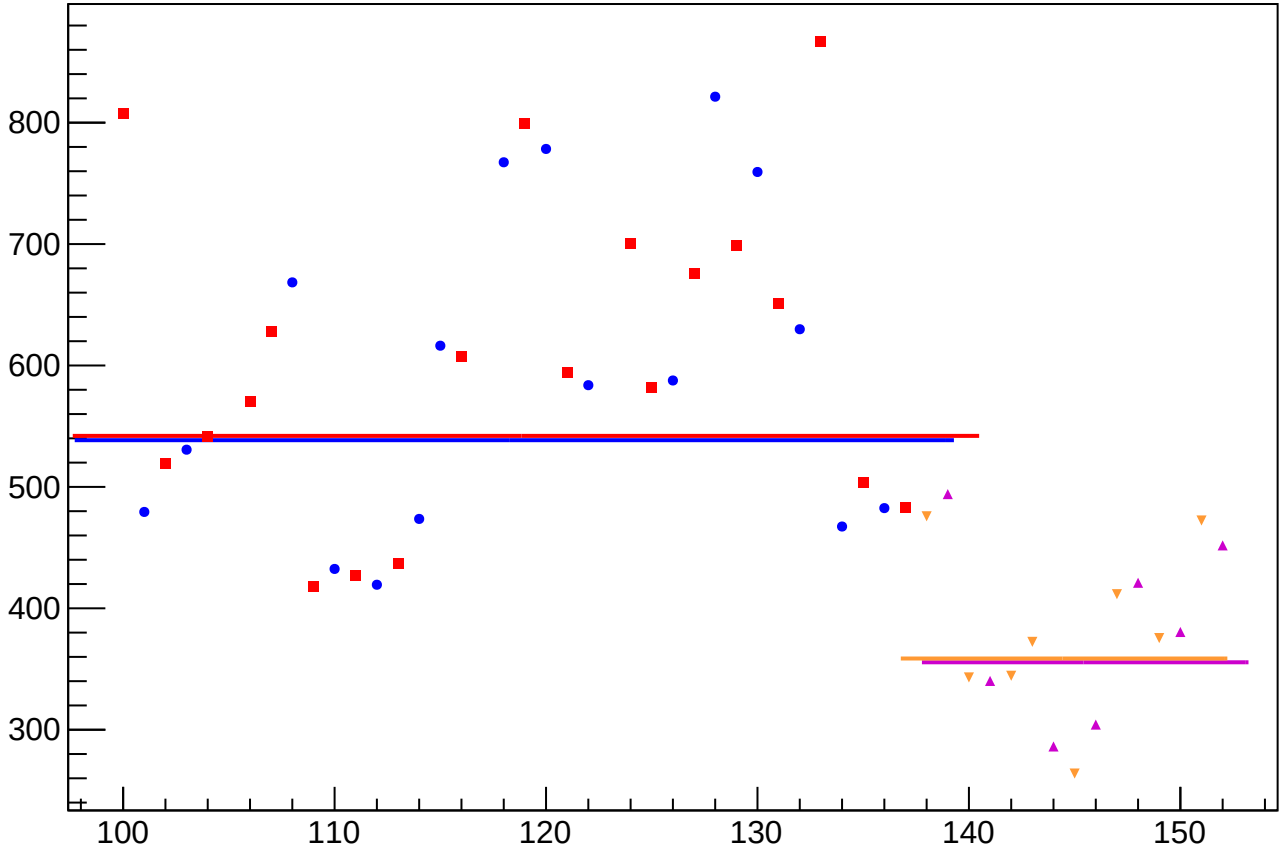
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 53.099+/-119.522 χ^2/NDF:27.7/22

Out: -201.874+/-119.516 χ^2/NDF:44.6/26

All: -74.393+/-84.513 χ^2/NDF: 74.6/49

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: 355.549+/-0.104 χ^2/NDF:415250.1/6

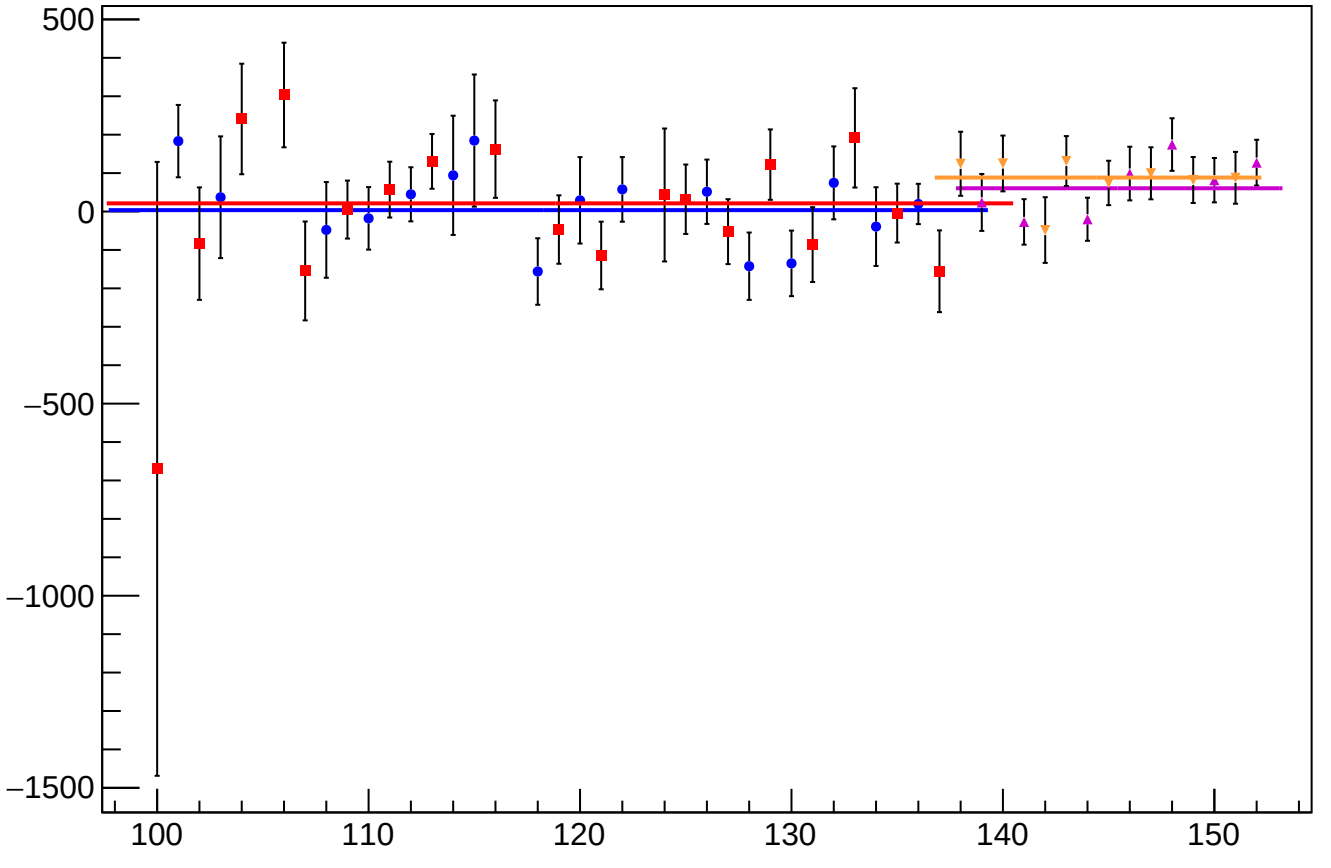
Left: 357.101+/-0.074 χ^2/NDF: 848217.7/14

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 417.240+/-0.085 χ^2/NDF:2076308.2/22

Out: 421.533+/-0.085 χ^2/NDF:2124694.6/26

All: 419.387+/-0.060 χ^2/NDF: 4202293.2/49



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: 60.493+/-23.666 χ^2/NDF:9.0/6

Left: 74.181+/-16.879 χ^2/NDF: 13.2/14

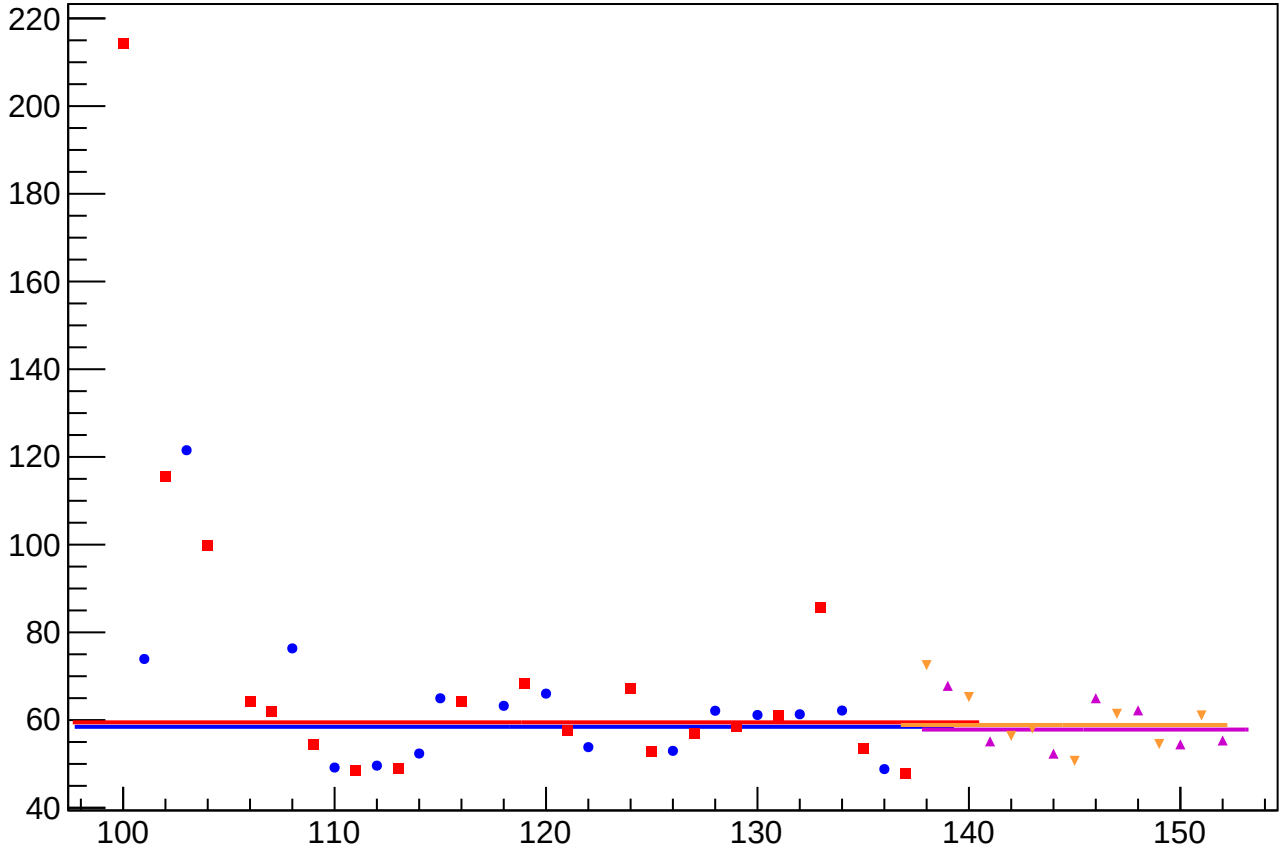
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 30.583+/-16.299 χ^2/NDF:28.1/22

Out: 52.925+/-16.544 χ^2/NDF:32.0/26

All: 41.587+/-11.611 χ^2/NDF: 61.1/49

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: 57.836+/-0.017 χ^2/NDF:98881.3/6

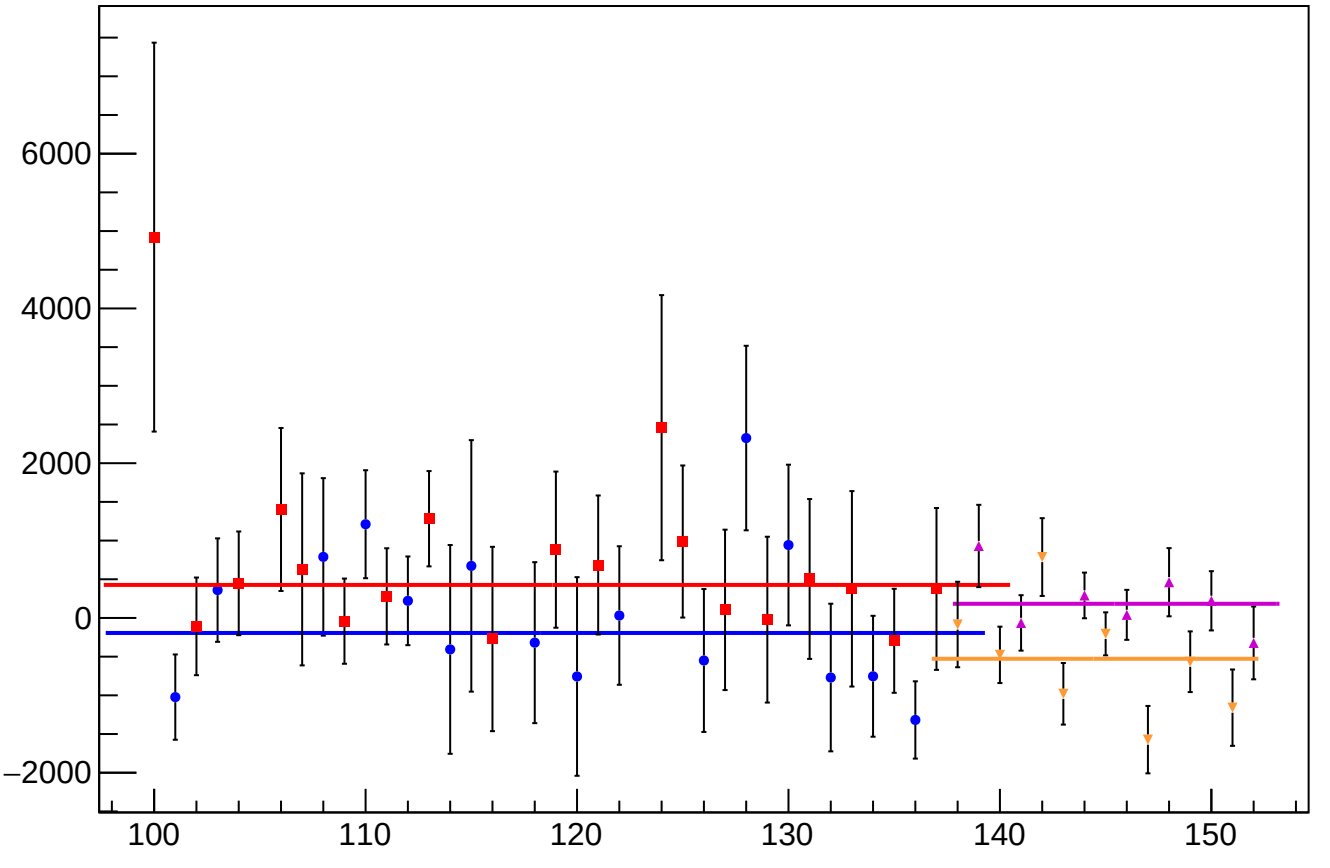
Left: 58.351+/-0.012 χ^2/NDF: 227278.7/14

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 58.167+/-0.012 χ^2/NDF:682608.3/22

Out: 59.201+/-0.012 χ^2/NDF:912010.5/26

All: 58.676+/-0.008 χ^2/NDF: 1598579.7/49



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: 183.203+/-143.022 χ^2/NDF:4.3/6

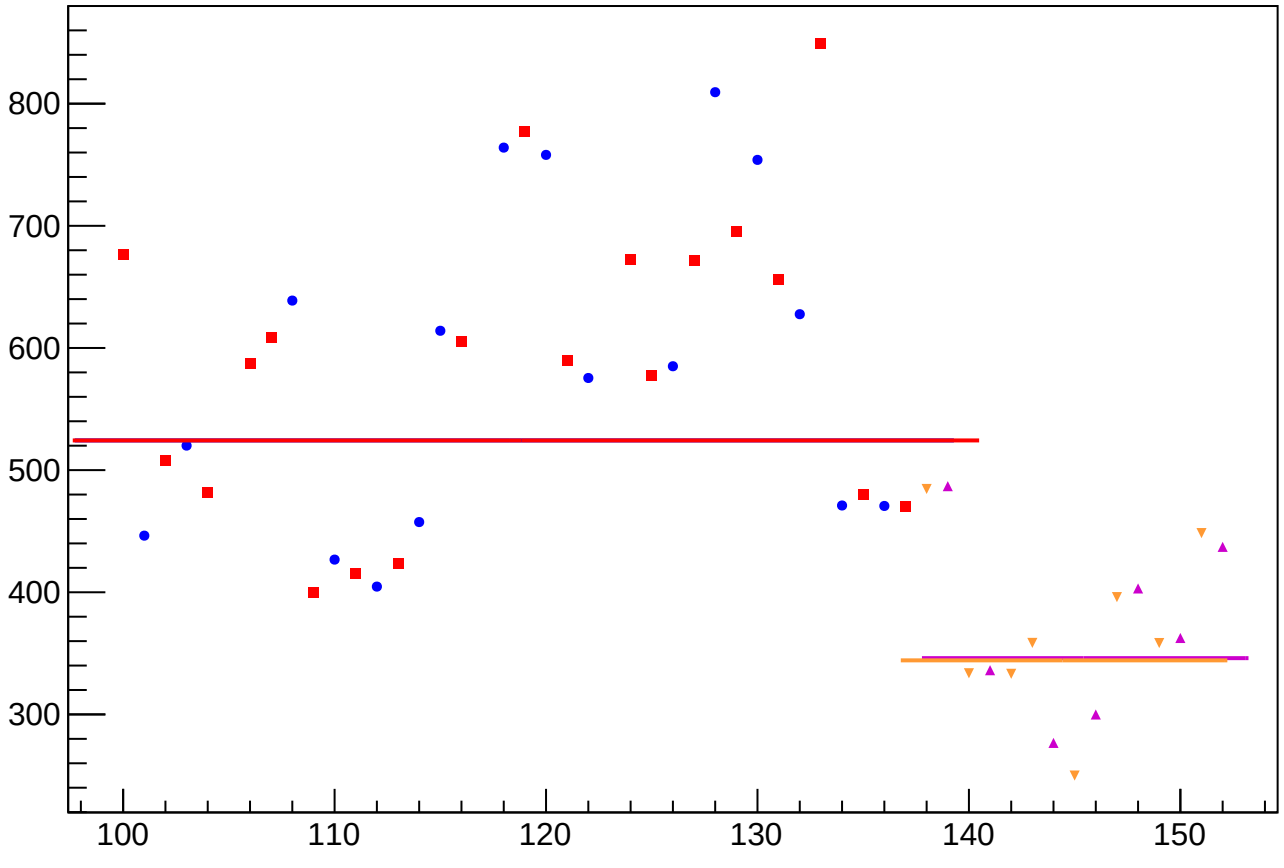
Left: -175.861+/-100.614 χ^2/NDF: 34.4/14

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 56.116+/-116.455 χ^2/NDF:27.5/22

Out: -202.568+/-114.963 χ^2/NDF:44.3/26

All: -74.894+/-81.814 χ^2/NDF: 74.3/49



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: 346.069+/-0.101 χ^2/NDF:405350.8/6

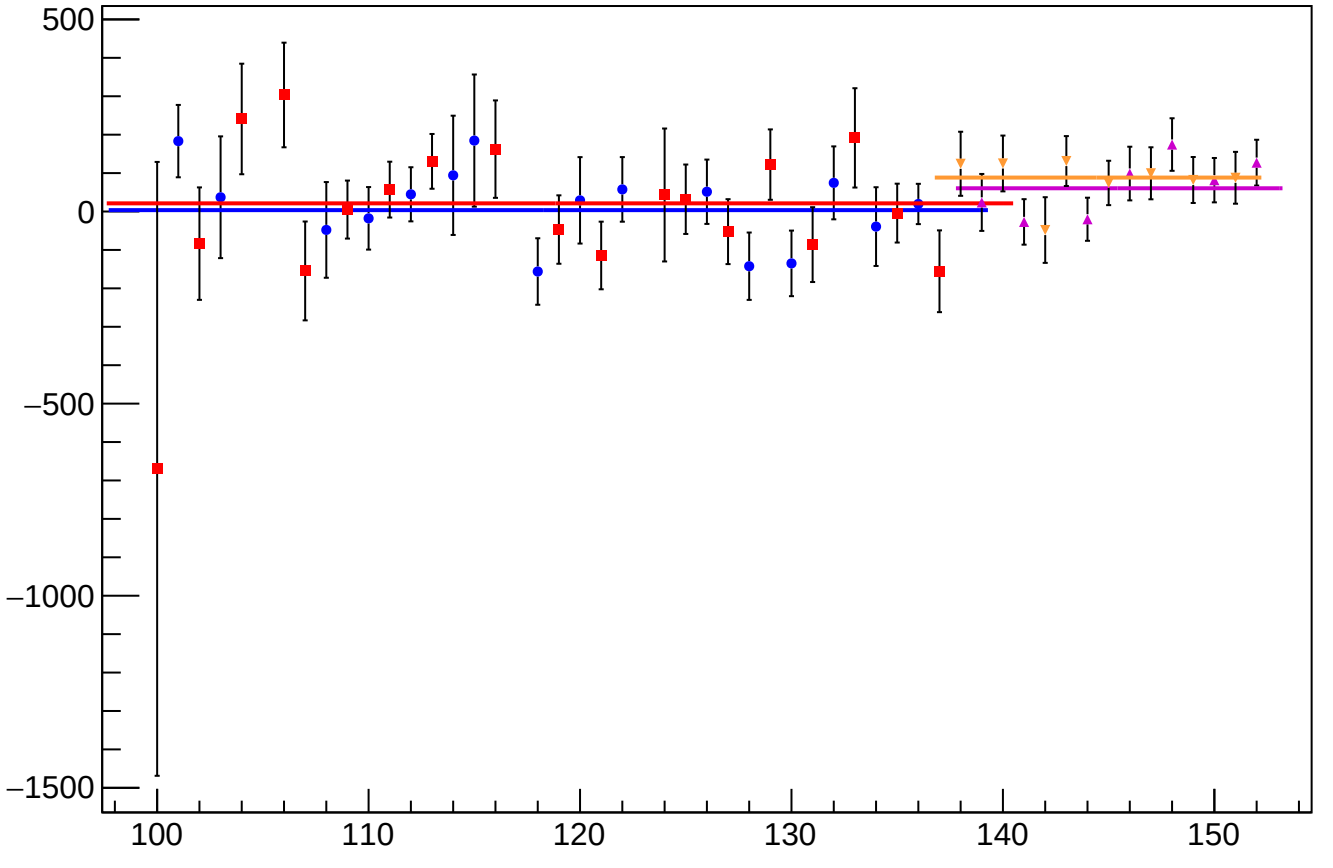
Left: 345.156+/-0.071 χ^2/NDF: 889927.3/14

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 406.143+/-0.082 χ^2/NDF:2110858.7/22

Out: 405.572+/-0.081 χ^2/NDF:2272101.1/26

All: 405.854+/-0.058 χ^2/NDF: 4382984.2/49



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: 60.493+/-23.667 χ^2/NDF:9.0/6

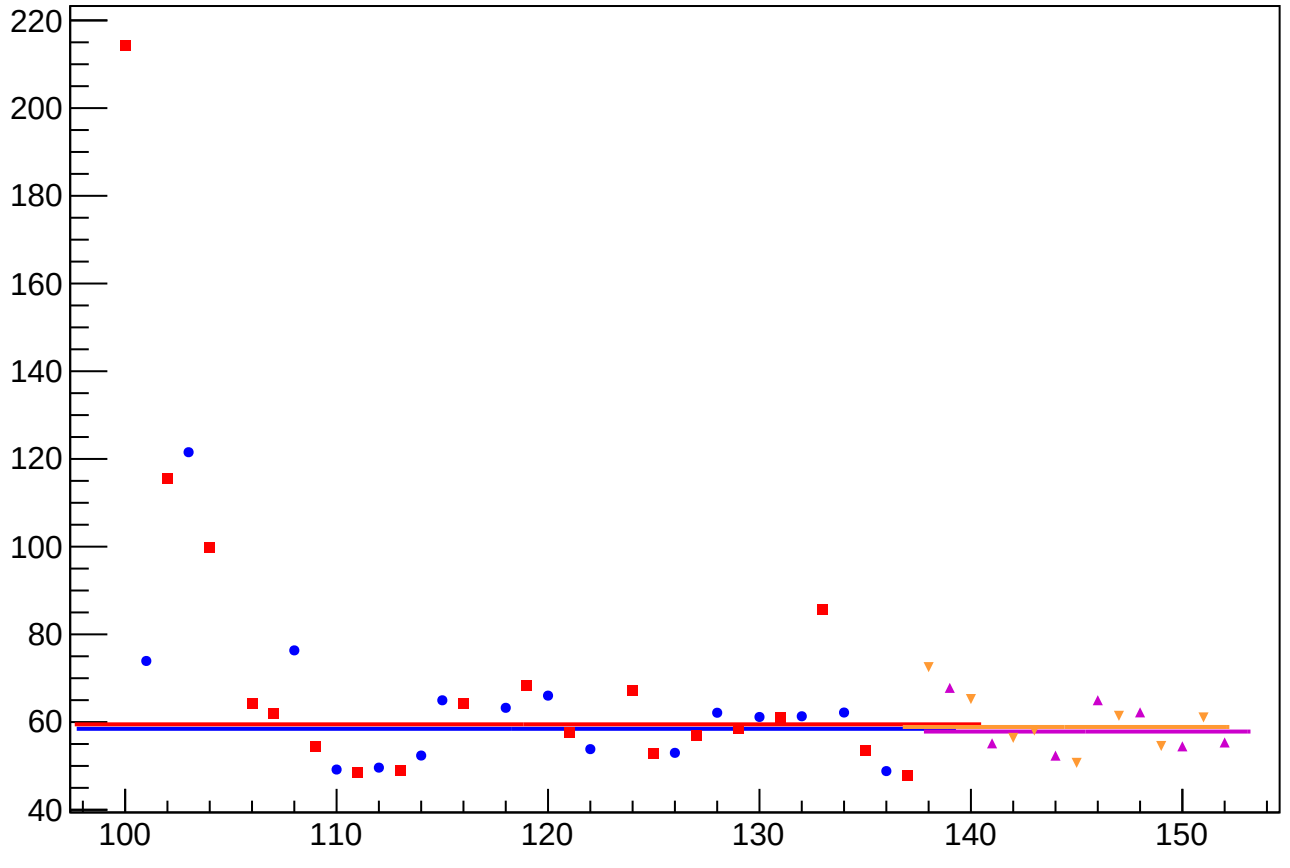
Left: 74.181+/-16.879 χ^2/NDF: 13.2/14

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 30.583+/-16.299 χ^2/NDF:28.1/22

Out: 52.924+/-16.544 χ^2/NDF:32.0/26

All: 41.587+/-11.611 χ^2/NDF: 61.1/49



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: 57.837+/-0.017 χ^2/NDF:98879.5/6

Left: 58.351+/-0.012 χ^2/NDF: 227277.2/14

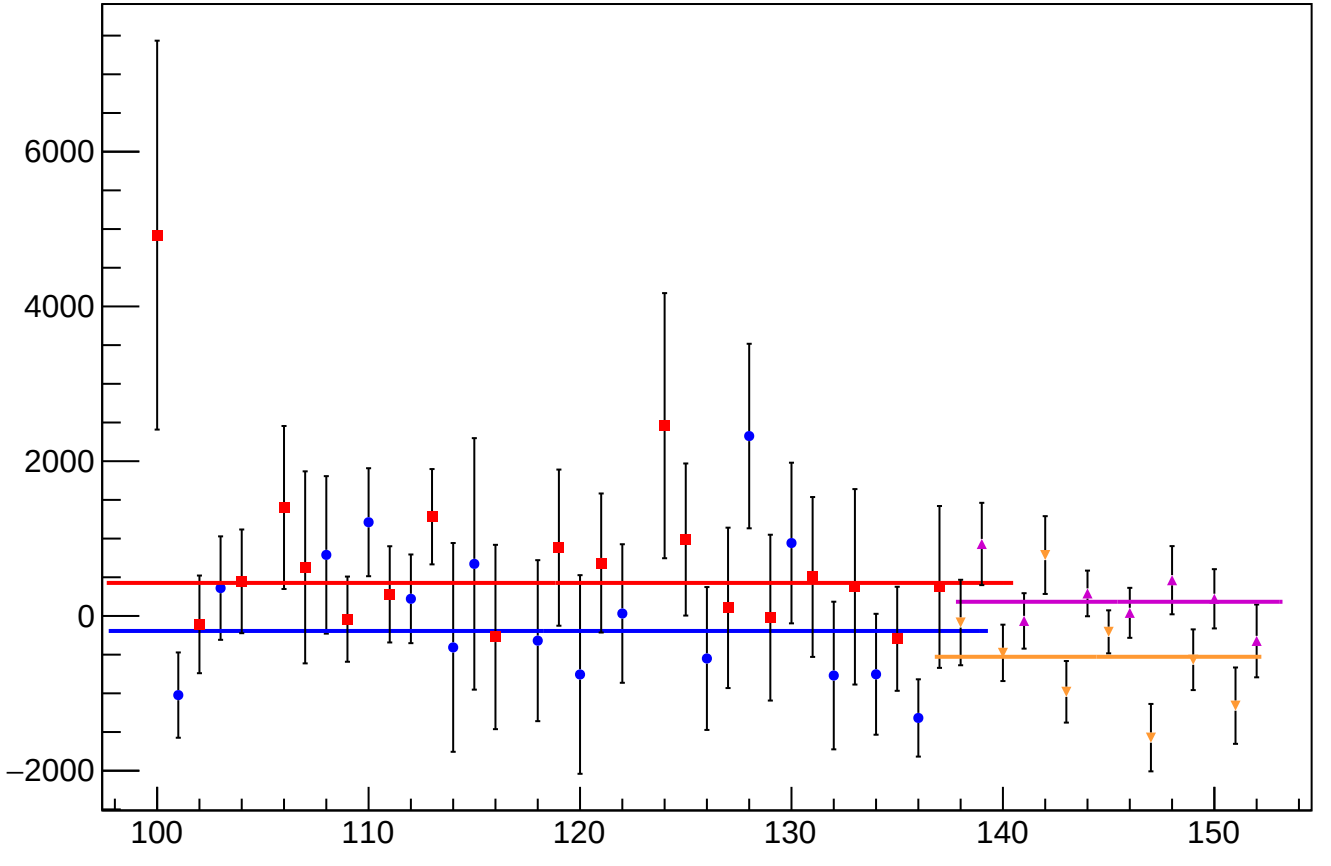
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 58.167+/-0.012 χ^2/NDF:682602.6/22

Out: 59.201+/-0.012 χ^2/NDF:912010.4/26

All: 58.676+/-0.008 χ^2/NDF: 1598574.1/49

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: 183.203+/-143.022 χ^2/NDF:4.3/6

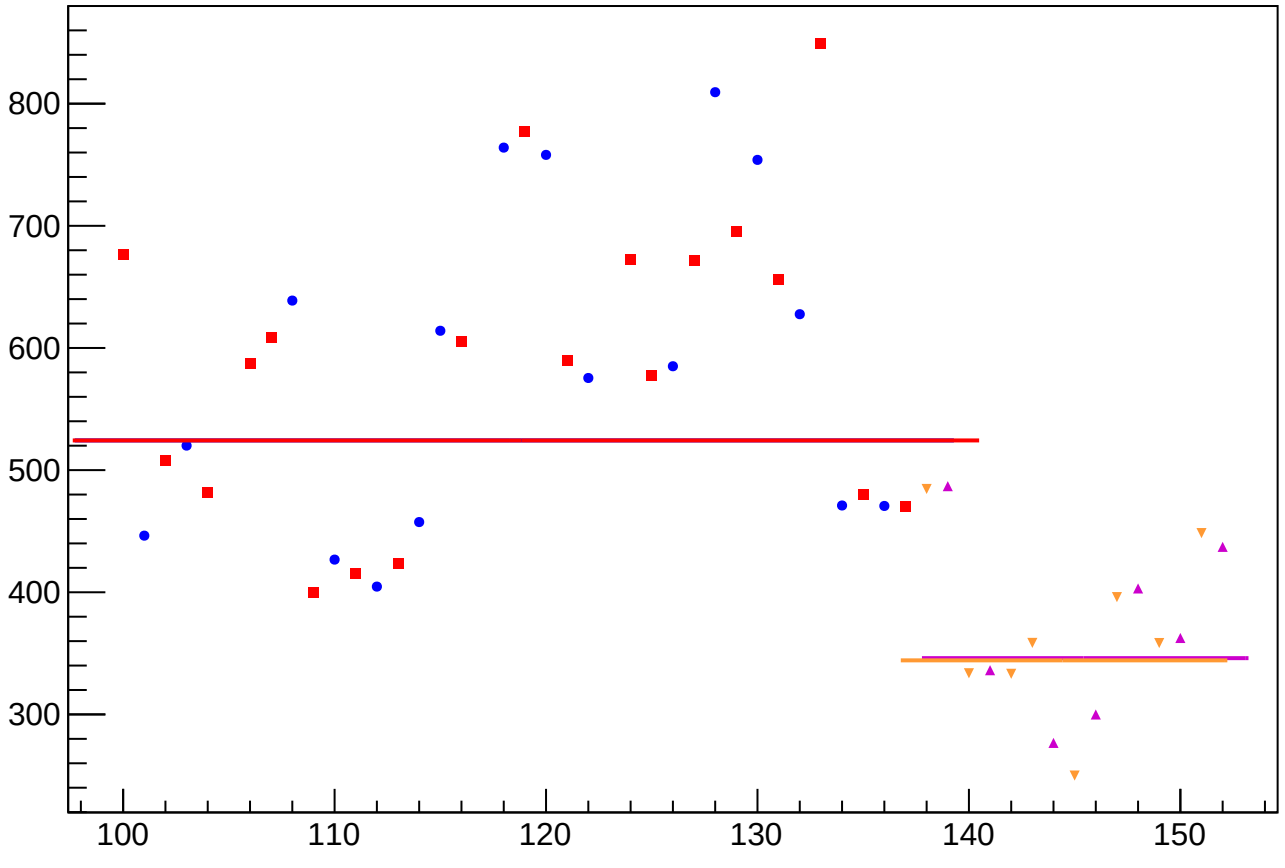
Left: -175.861+/-100.614 χ^2/NDF: 34.4/14

Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 56.116+/-116.455 χ^2/NDF:27.5/22

Out: -202.568+/-114.963 χ^2/NDF:44.3/26

All: -74.894+/-81.813 χ^2/NDF: 74.3/49



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: 346.069+/-0.101 χ^2/NDF:405350.6/6

Left: 345.156+/-0.071 χ^2/NDF: 889927.8/14

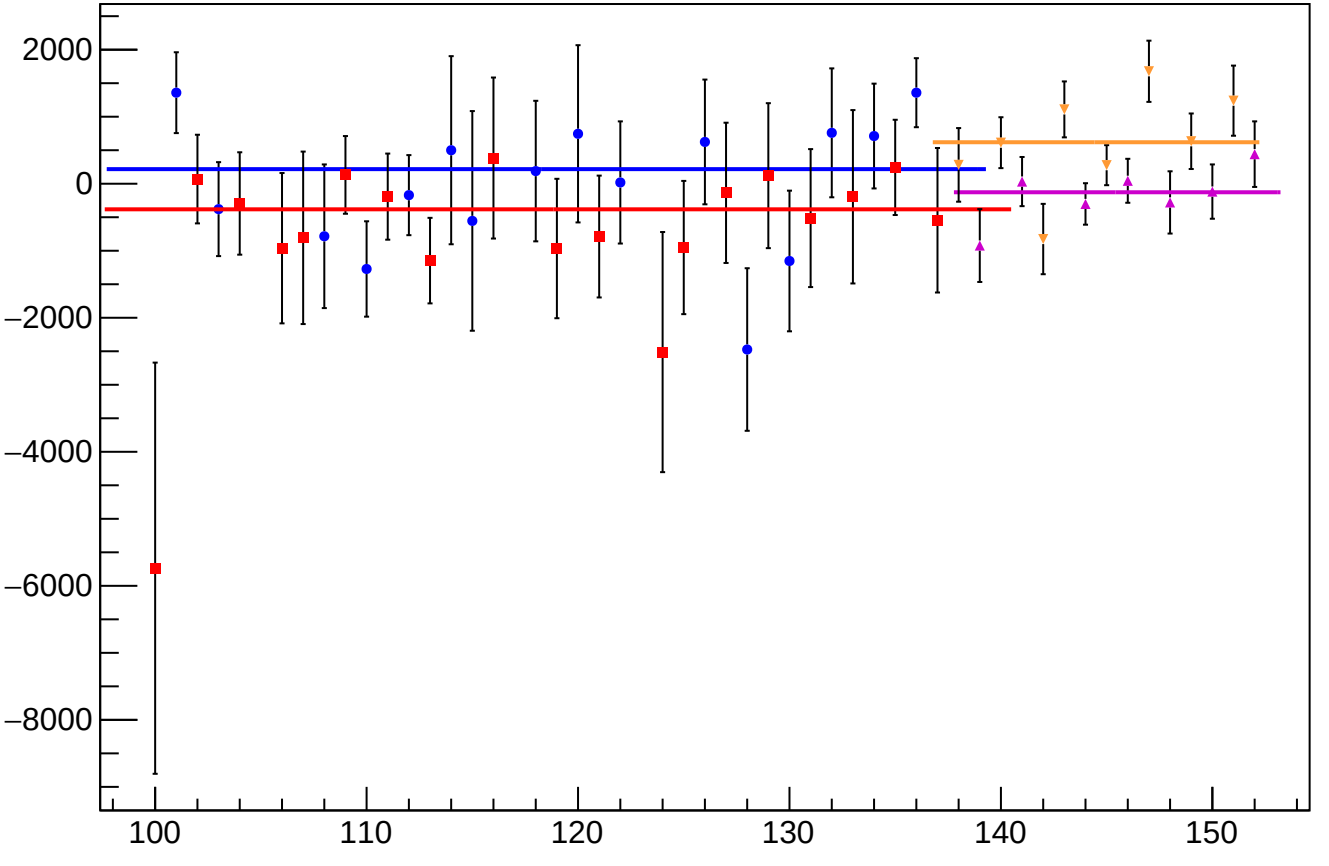
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 406.143+/-0.082 χ^2/NDF:2110854.7/22

Out: 405.572+/-0.081 χ^2/NDF:2272095.4/26

All: 405.854+/-0.058 χ^2/NDF: 4382974.4/49

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: -127.363+/-148.320 χ^2/NDF:4.4/6

Left: 244.372+/-105.087 χ^2/NDF: 34.4/14

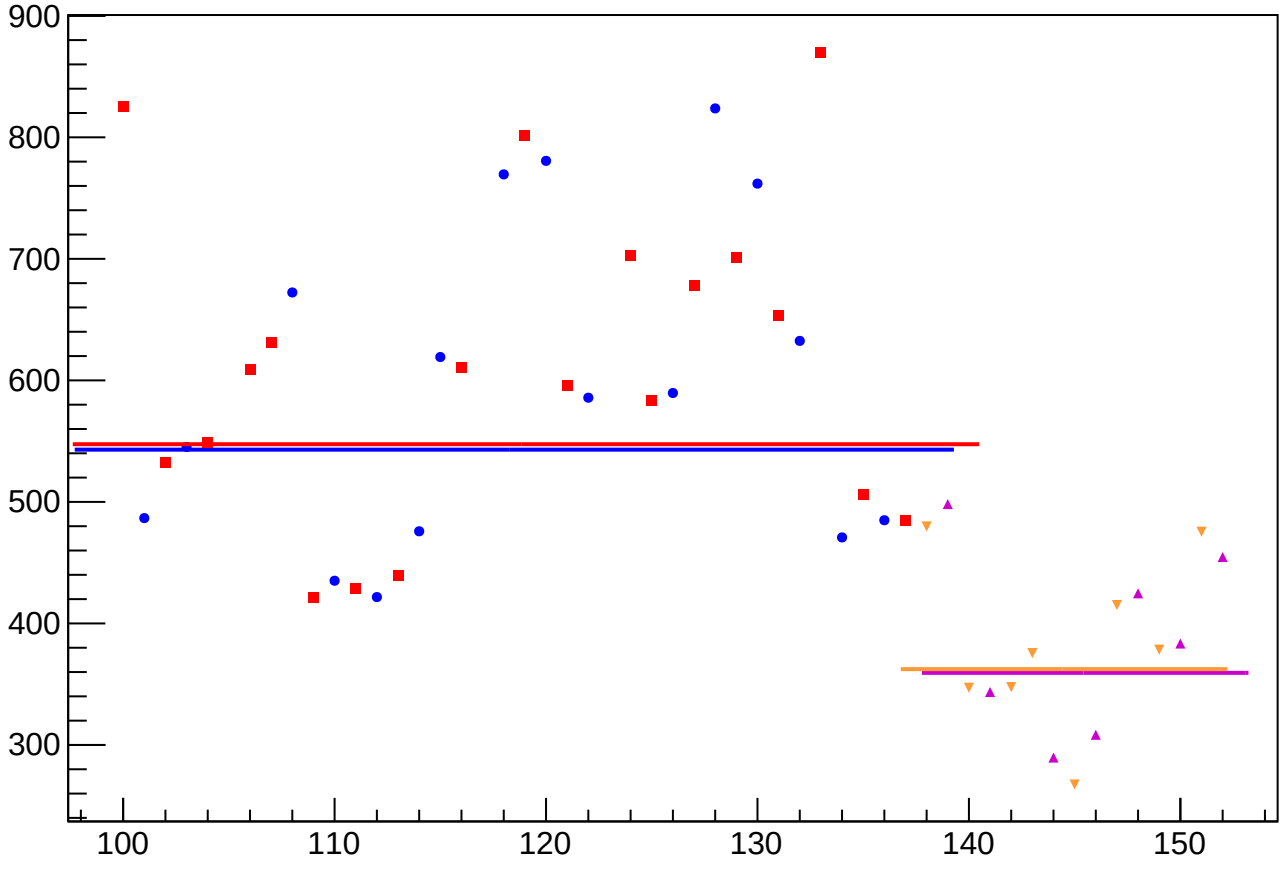
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -10.652+/-120.662 χ^2/NDF:29.1/22

Out: 274.651+/-120.600 χ^2/NDF:43.0/26

All: 132.073+/-85.299 χ^2/NDF: 74.9/49

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: 359.345+/-0.105 χ^2/NDF:406553.0/6

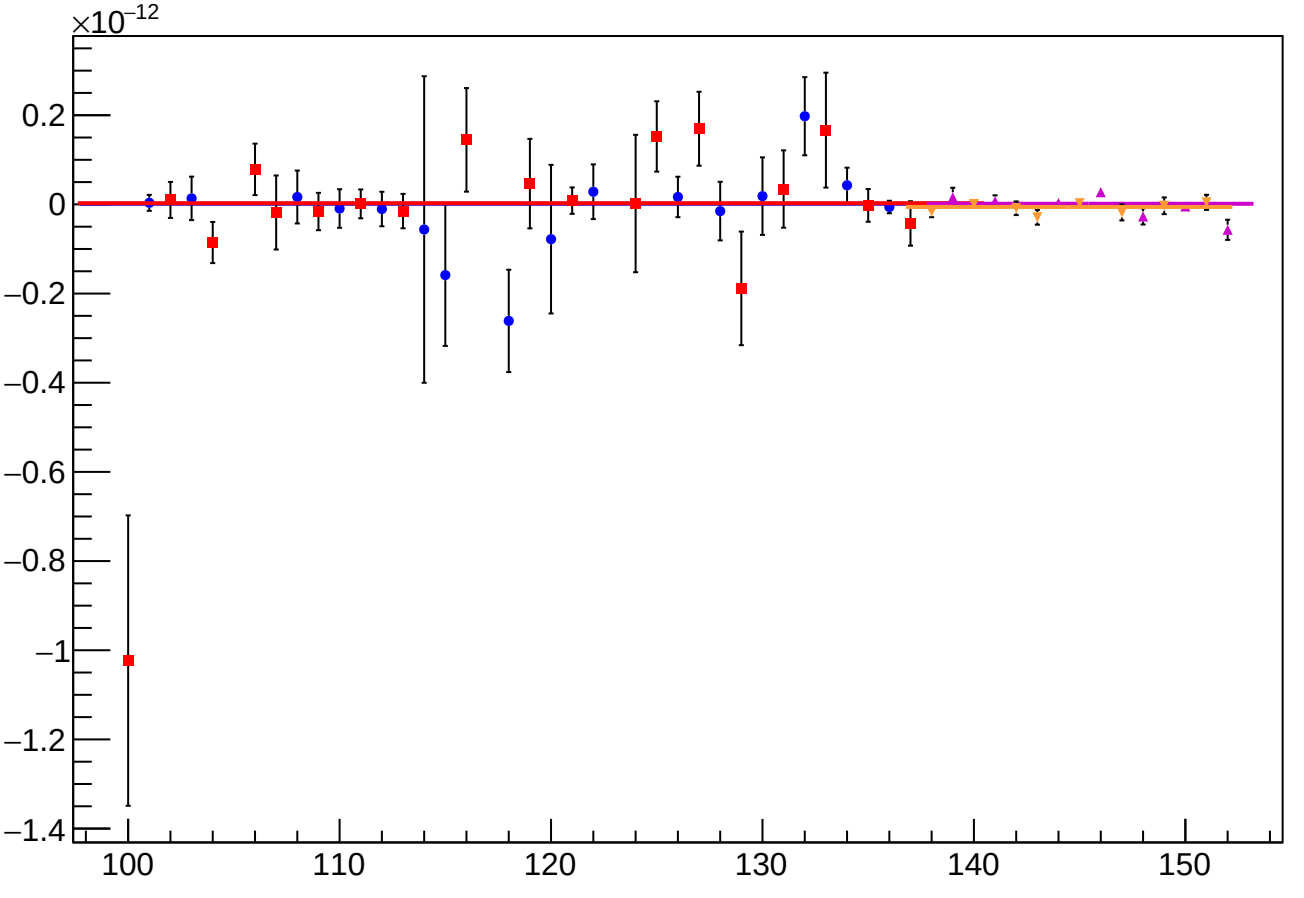
Left: 360.864+/-0.074 χ^2/NDF: 830278.7/14

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 421.451+/-0.085 χ^2/NDF:2048774.5/22

Out: 426.082+/-0.085 χ^2/NDF:2116594.1/26

All: 423.768+/-0.060 χ^2/NDF: 4166842.0/49



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:15.8/6

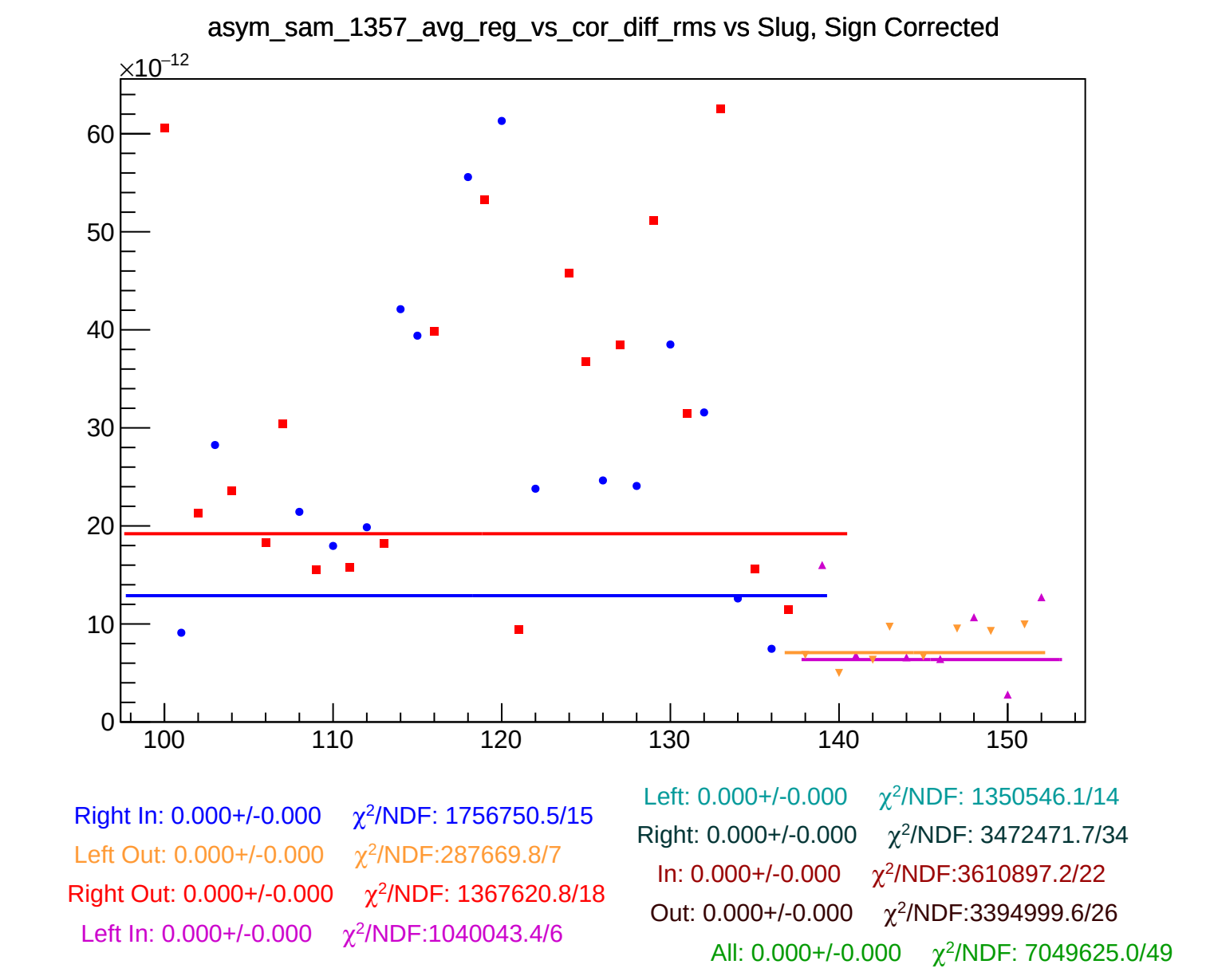
Left: -0.000+/-0.000 χ^2/NDF: 21.7/14

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

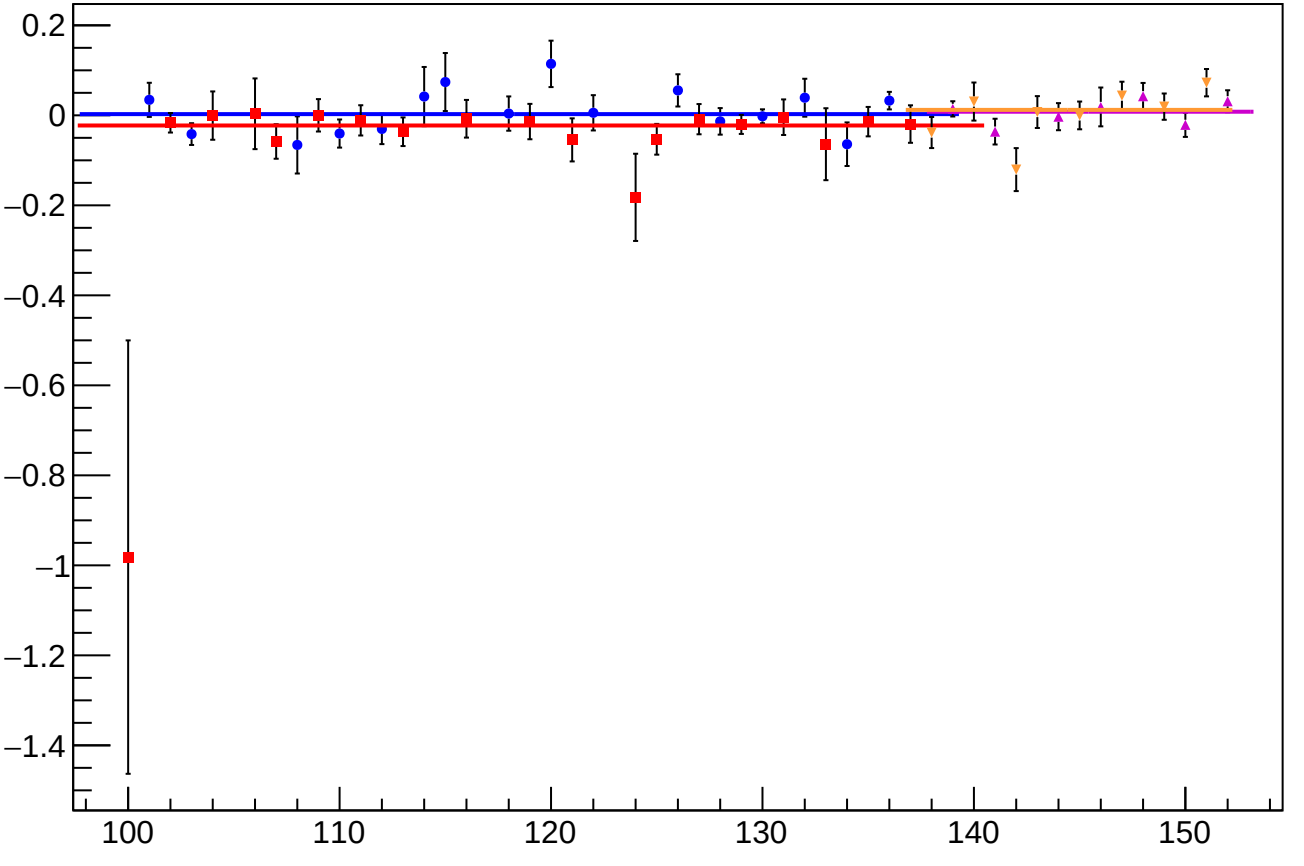
In: 0.000+/-0.000 χ^2/NDF:29.4/22

Out: -0.000+/-0.000 χ^2/NDF:35.3/26

All: -0.000+/-0.000 χ^2/NDF: 65.6/49


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:287669.8/7
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1040043.4/6
Left: 0.000+/-0.000 χ²/NDF: 1350546.1/14
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:3610897.2/22
Out: 0.000+/-0.000 χ²/NDF:3394999.6/26
All: 0.000+/-0.000 χ²/NDF: 7049625.0/49

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: 0.008+/-0.010 χ^2/NDF:6.2/6

Left: 0.010+/-0.008 χ^2/NDF: 21.5/14

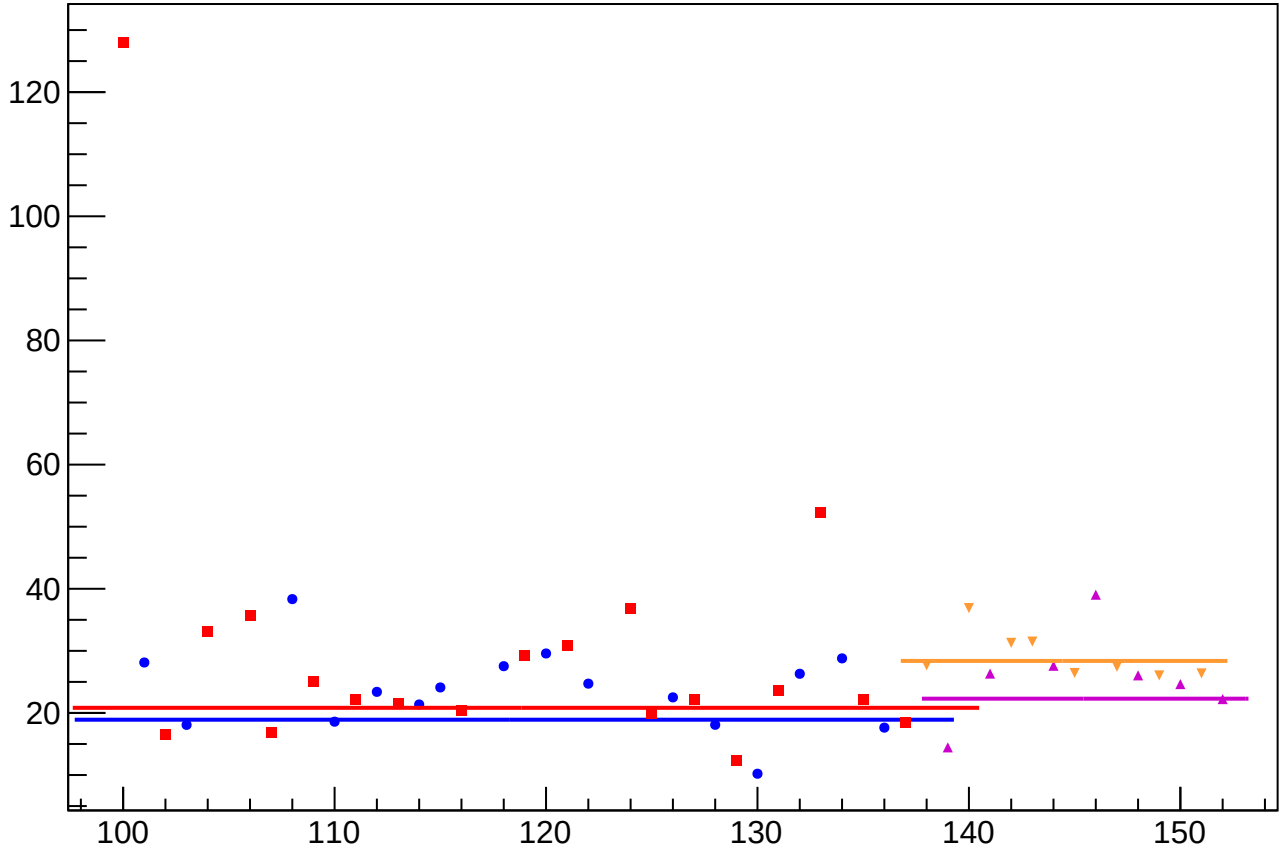
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.005+/-0.006 χ^2/NDF:28.3/22

Out: -0.011+/-0.007 χ^2/NDF:31.7/26

All: -0.002+/-0.005 χ^2/NDF: 62.9/49

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: 22.298+/-0.007 χ^2/NDF:879232.2/6

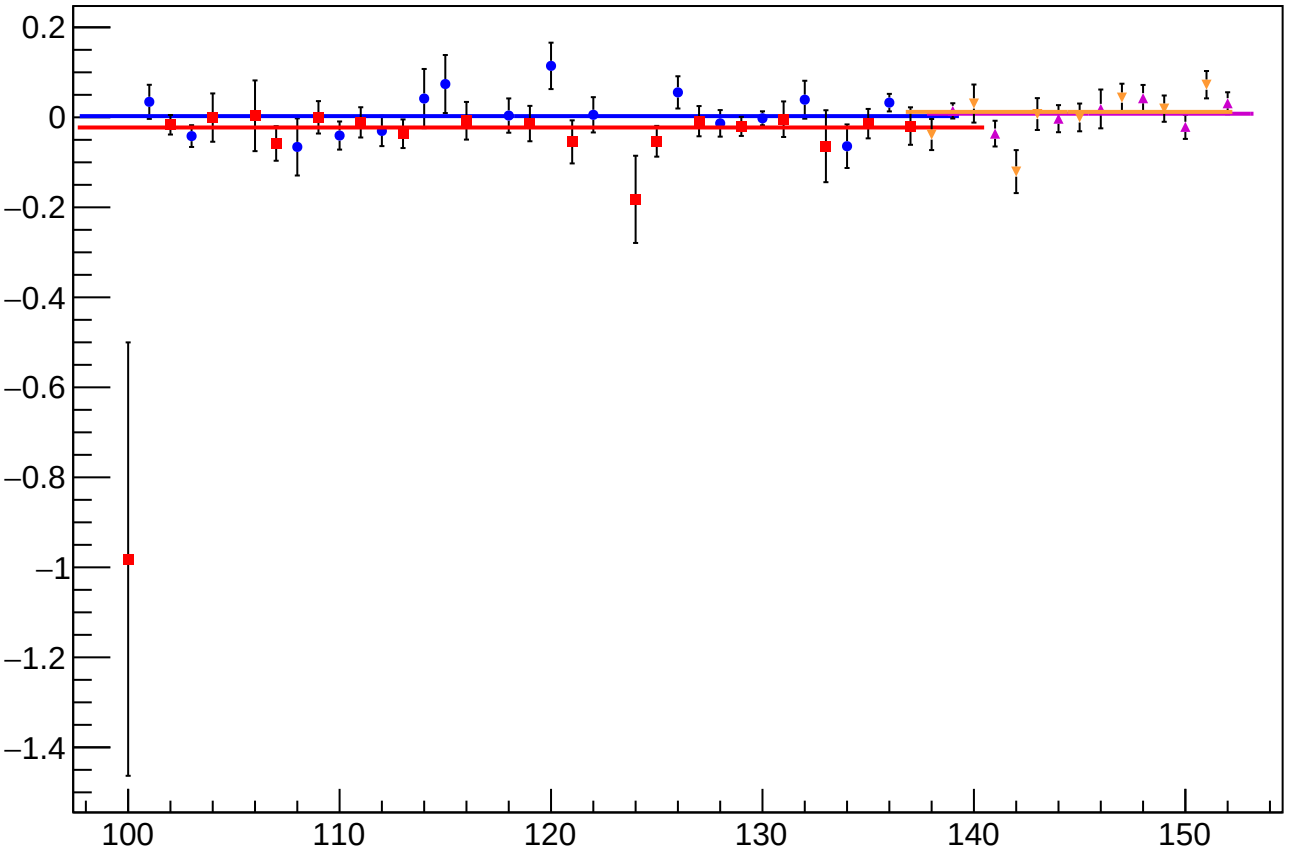
Left: 24.719+/-0.005 χ^2/NDF: 1325973.4/14

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 20.236+/-0.004 χ^2/NDF:2416940.7/22

Out: 23.339+/-0.005 χ^2/NDF:1959040.4/26

All: 21.594+/-0.003 χ^2/NDF: 4603256.7/49



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: 0.008+/-0.010 χ^2/NDF:6.2/6

Left: 0.010+/-0.008 χ^2/NDF: 21.5/14

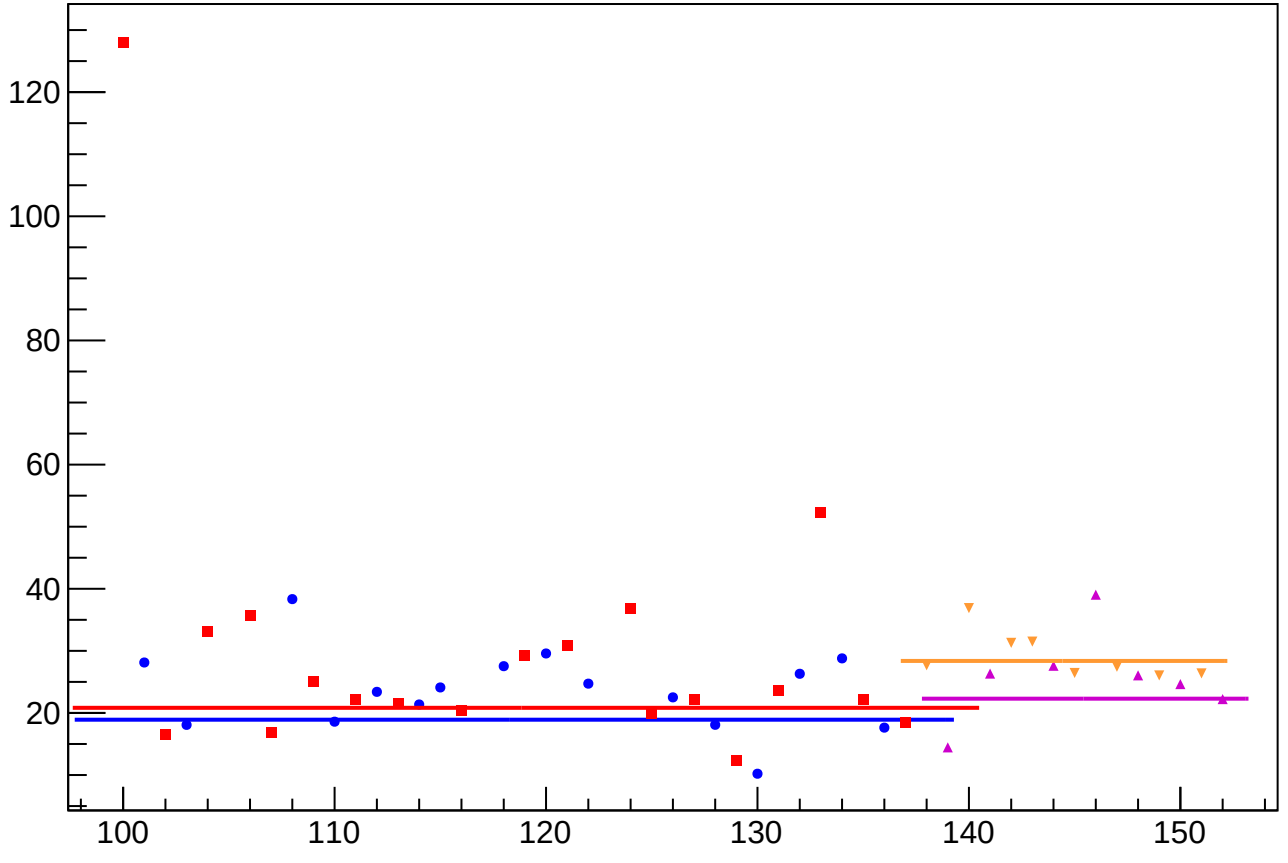
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.005+/-0.006 χ^2/NDF:28.3/22

Out: -0.011+/-0.007 χ^2/NDF:31.7/26

All: -0.002+/-0.005 χ^2/NDF: 62.9/49

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: 22.298+/-0.007 χ^2/NDF:879232.2/6

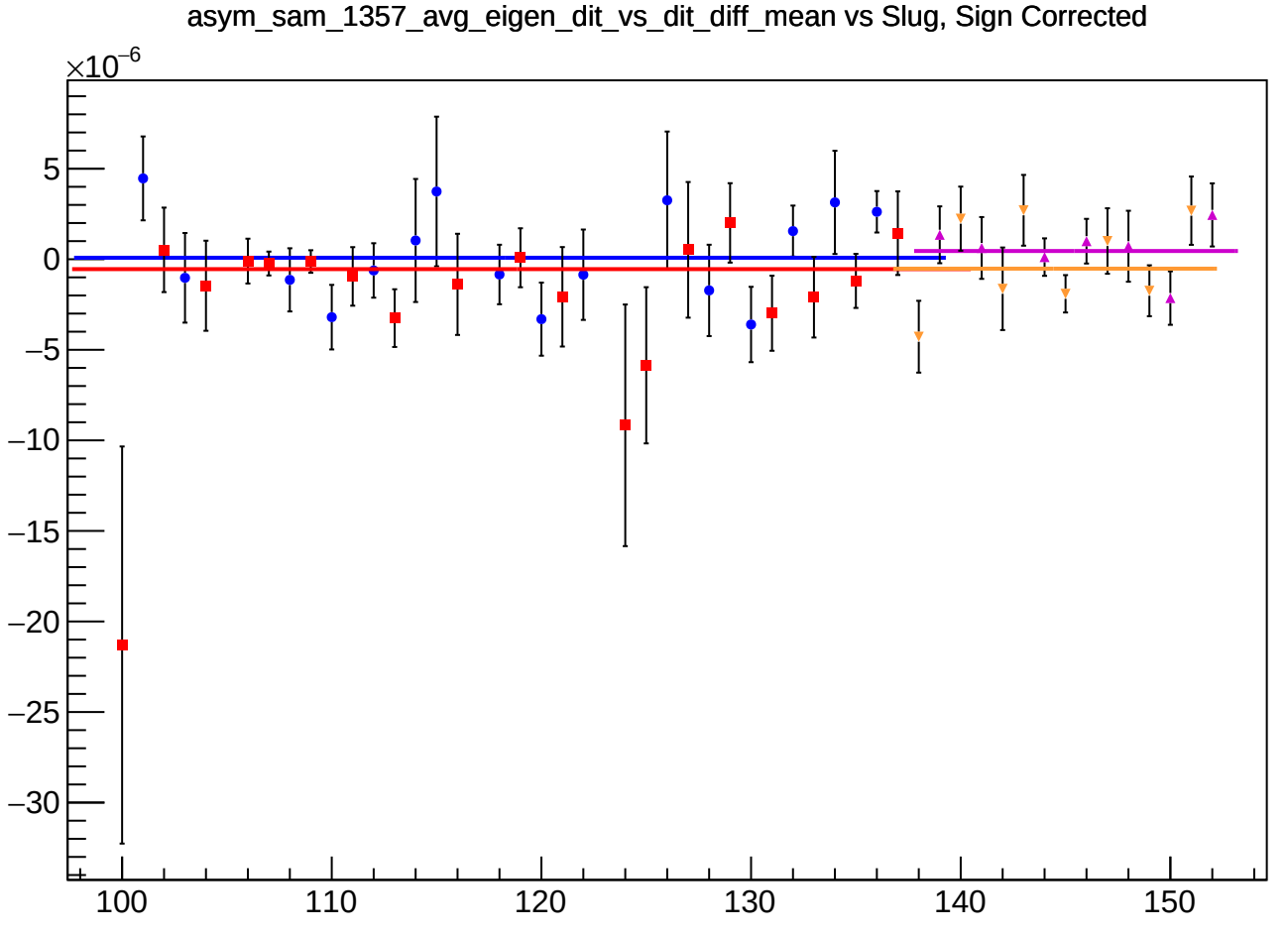
Left: 24.719+/-0.005 χ^2/NDF: 1325973.4/14

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 20.236+/-0.004 χ^2/NDF:2416940.7/22

Out: 23.339+/-0.005 χ^2/NDF:1959040.4/26

All: 21.594+/-0.003 χ^2/NDF: 4603256.7/49



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:5.0/6

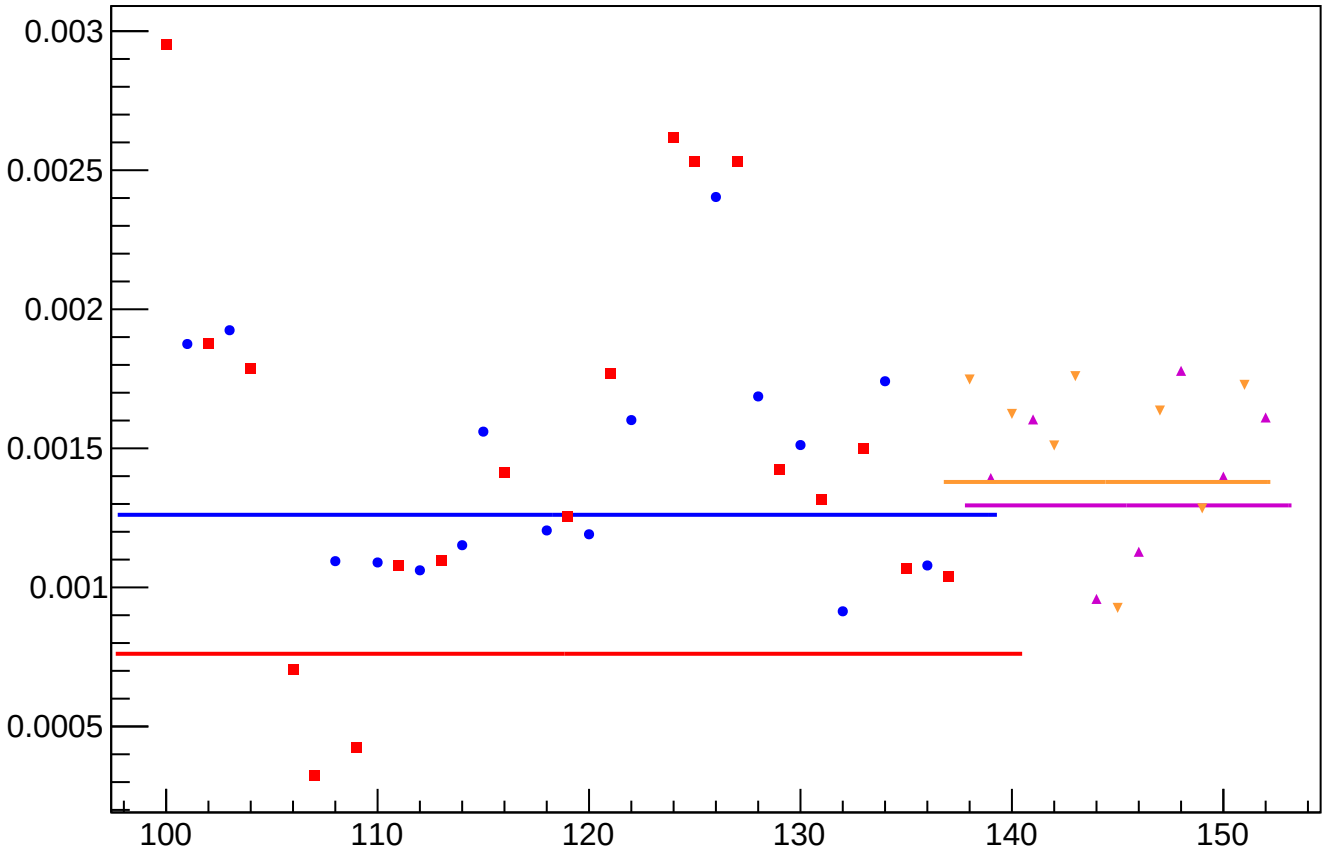
Left: -0.000+/-0.000 χ^2/NDF: 21.7/14

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:28.8/22

Out: -0.000+/-0.000 χ^2/NDF:30.8/26

All: -0.000+/-0.000 χ^2/NDF: 62.5/49



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:518923.6/6

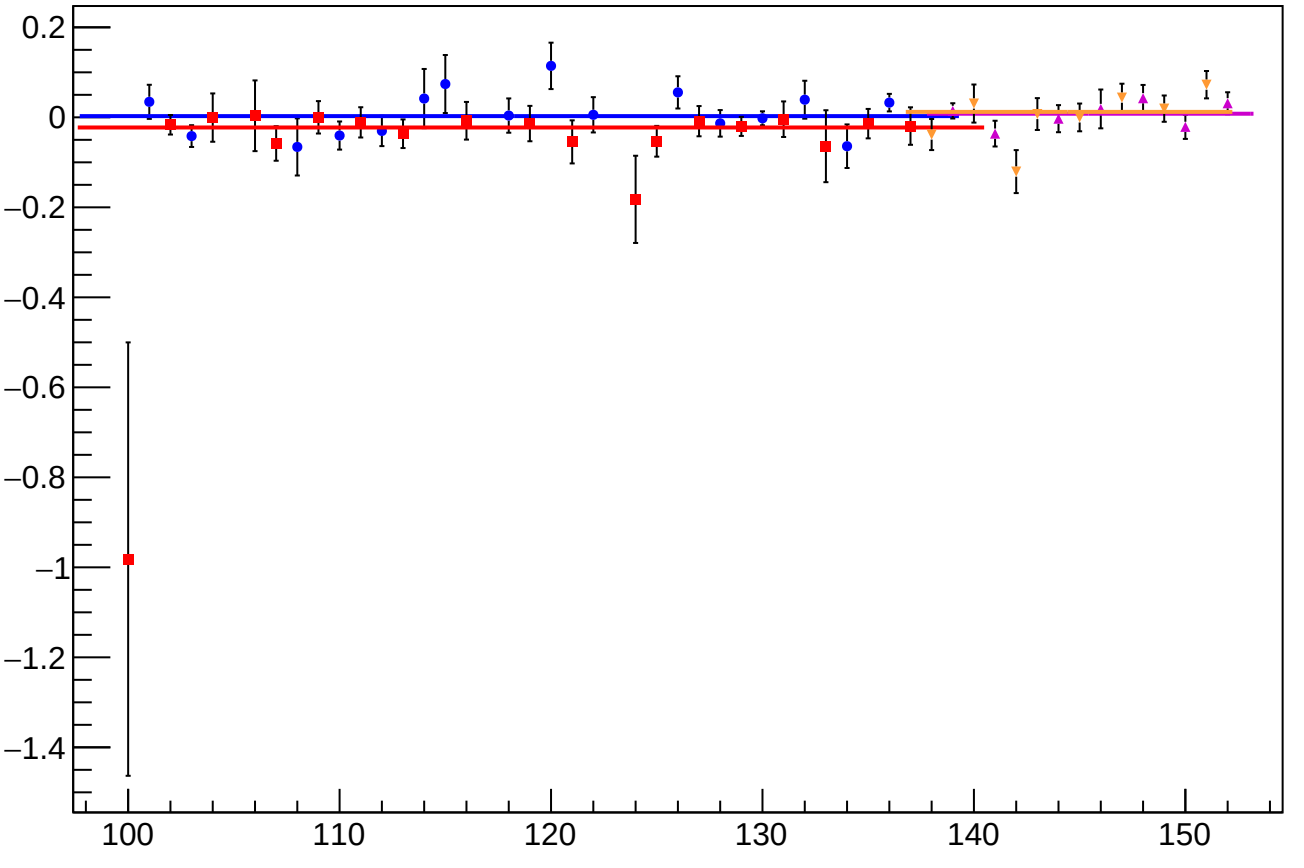
Left: 0.001+/-0.000 χ^2/NDF: 1234479.2/14

Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1430561.0/22

Out: 0.001+/-0.000 χ^2/NDF:7095539.0/26

All: 0.001+/-0.000 χ^2/NDF: 9687576.8/49



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: 0.008+/-0.010 χ^2/NDF:6.2/6

Left: 0.010+/-0.008 χ^2/NDF: 21.5/14

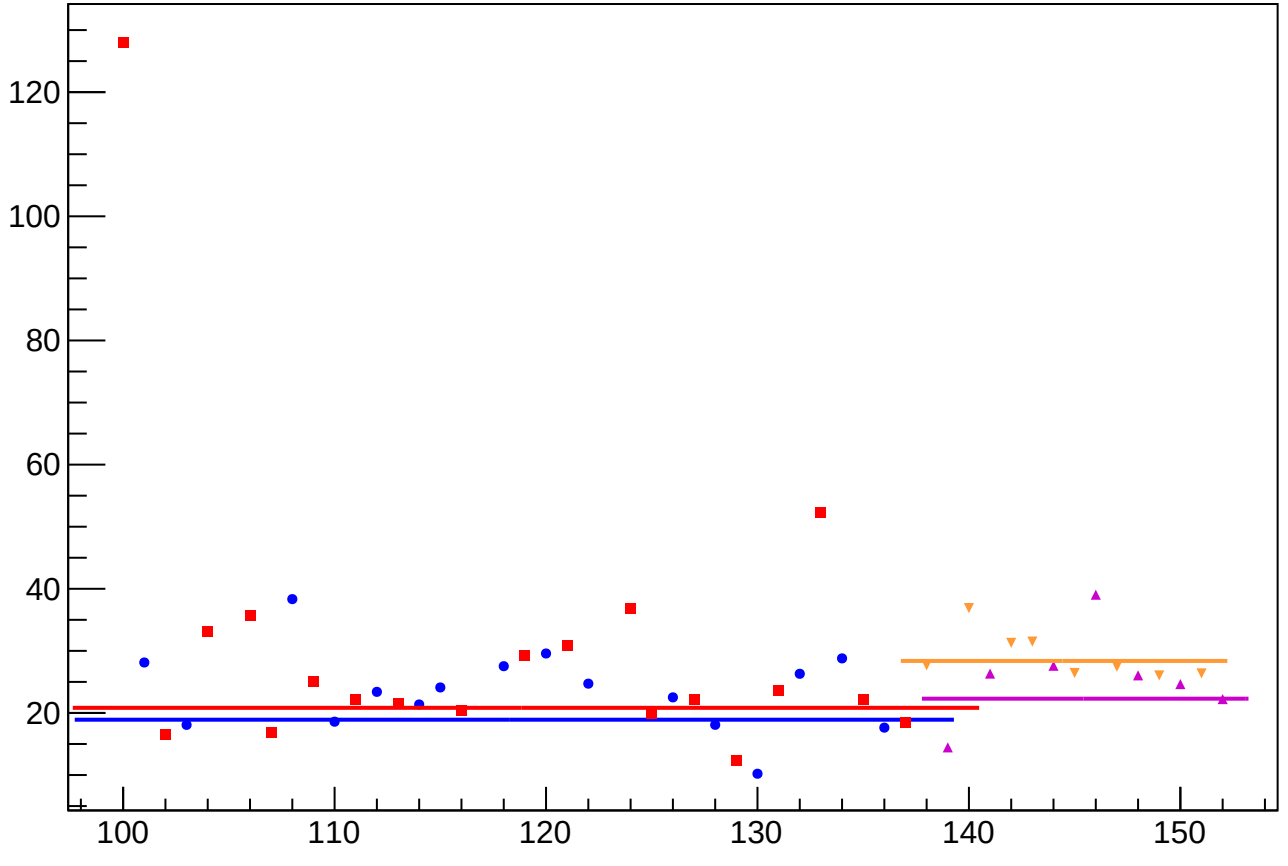
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.005+/-0.006 χ^2/NDF:28.3/22

Out: -0.011+/-0.007 χ^2/NDF:31.7/26

All: -0.002+/-0.005 χ^2/NDF: 62.9/49

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: 22.298+/-0.007 χ^2/NDF:879157.7/6

Left: 24.720+/-0.005 χ^2/NDF: 1325871.5/14

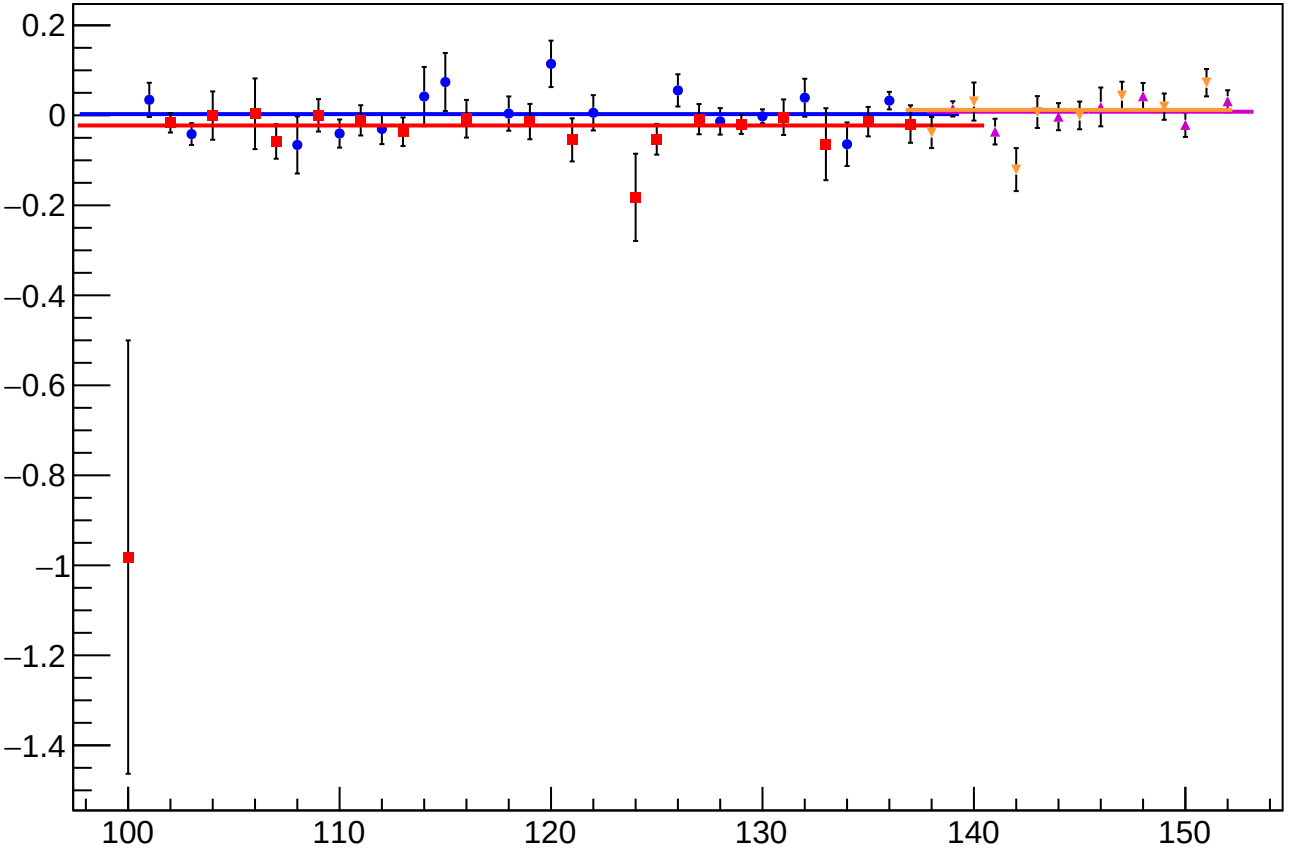
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 20.237+/-0.004 χ^2/NDF:2416769.6/22

Out: 23.340+/-0.005 χ^2/NDF:1959069.9/26

All: 21.595+/-0.003 χ^2/NDF: 4603077.7/49

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: 0.008+/-0.010 χ^2/NDF:6.2/6

Left: 0.010+/-0.008 χ^2/NDF: 21.5/14

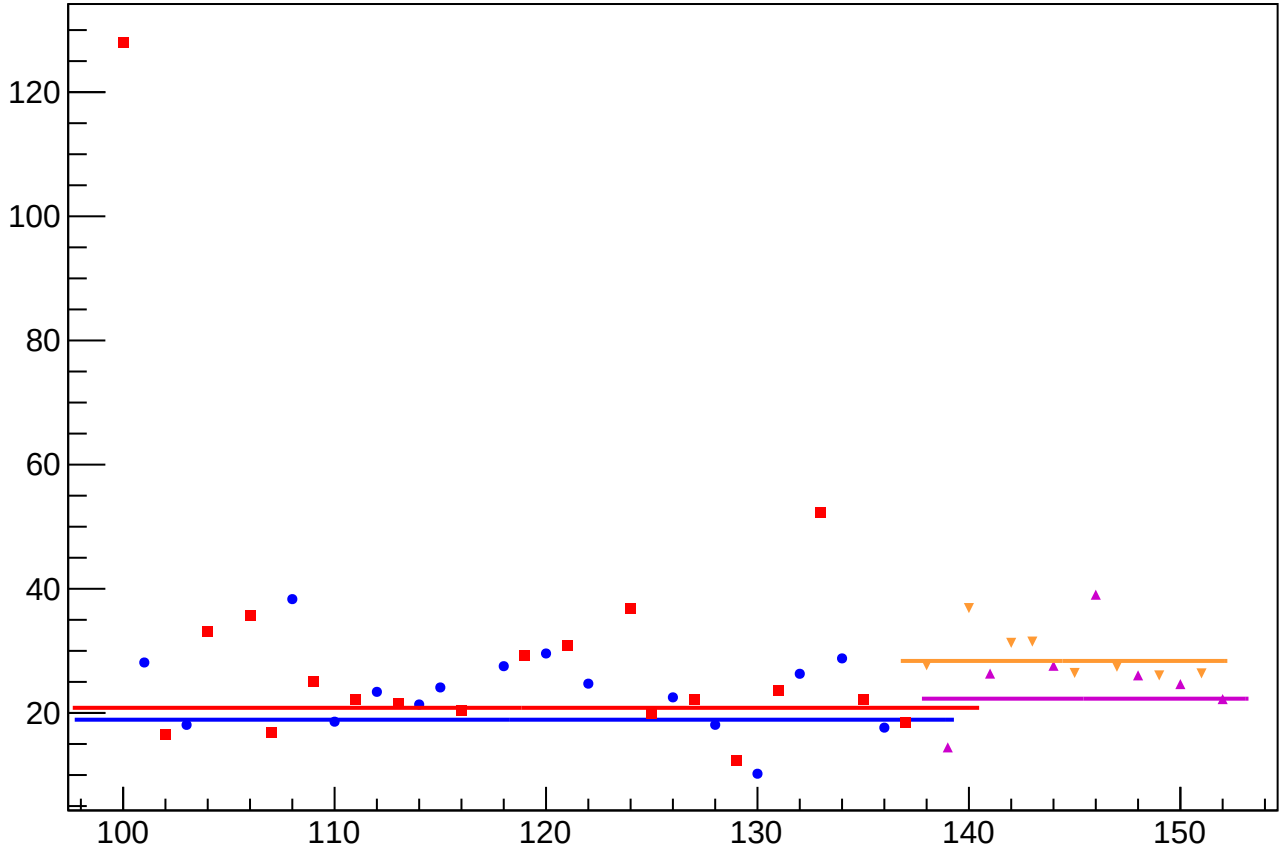
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.005+/-0.006 χ^2/NDF:28.3/22

Out: -0.011+/-0.007 χ^2/NDF:31.7/26

All: -0.002+/-0.005 χ^2/NDF: 62.9/49

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: 22.298+/-0.007 χ^2/NDF:879157.7/6

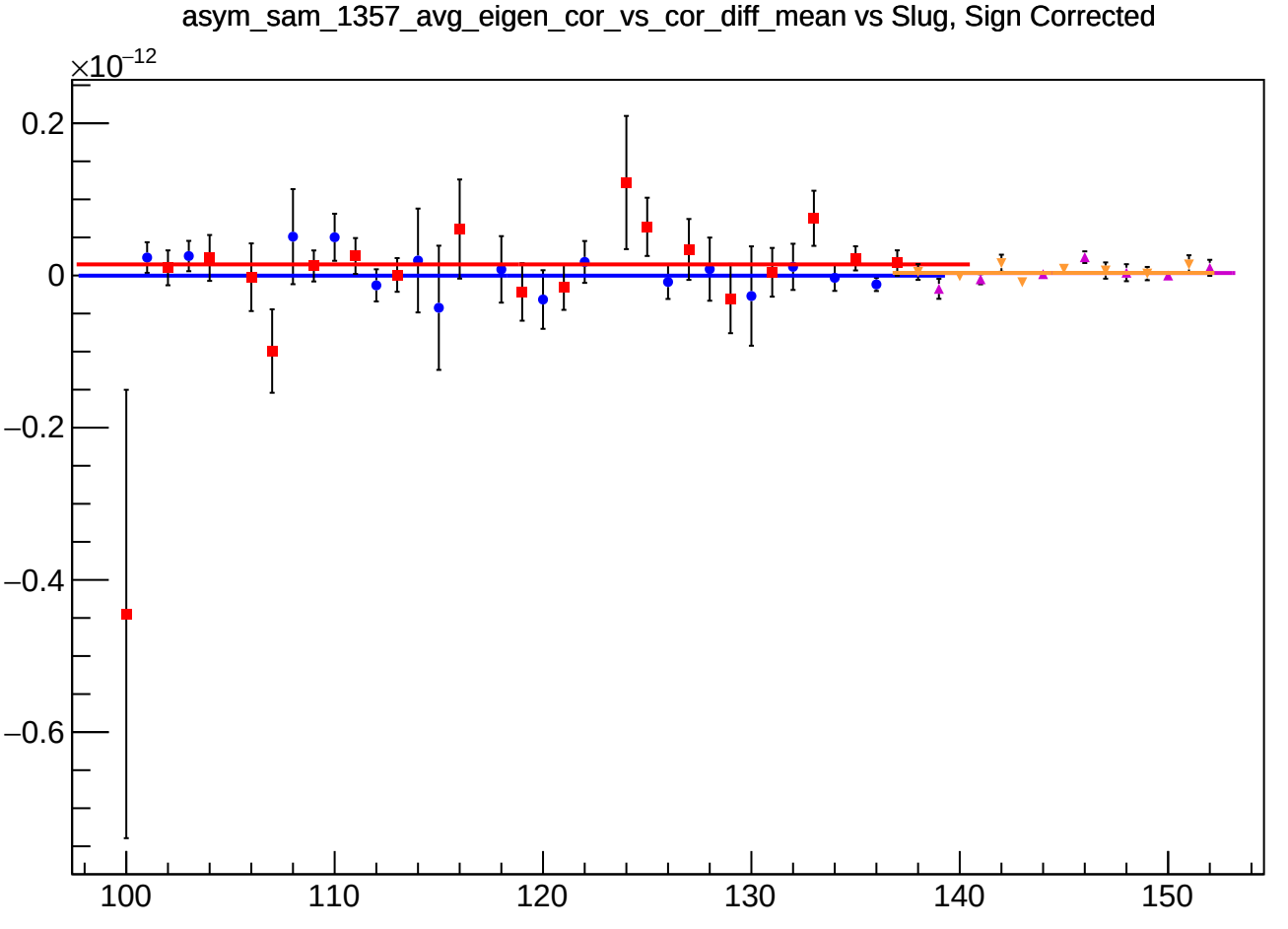
Left: 24.720+/-0.005 χ^2/NDF: 1325871.5/14

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 20.237+/-0.004 χ^2/NDF:2416769.6/22

Out: 23.340+/-0.005 χ^2/NDF:1959069.9/26

All: 21.595+/-0.003 χ^2/NDF: 4603077.7/49



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:12.2/6

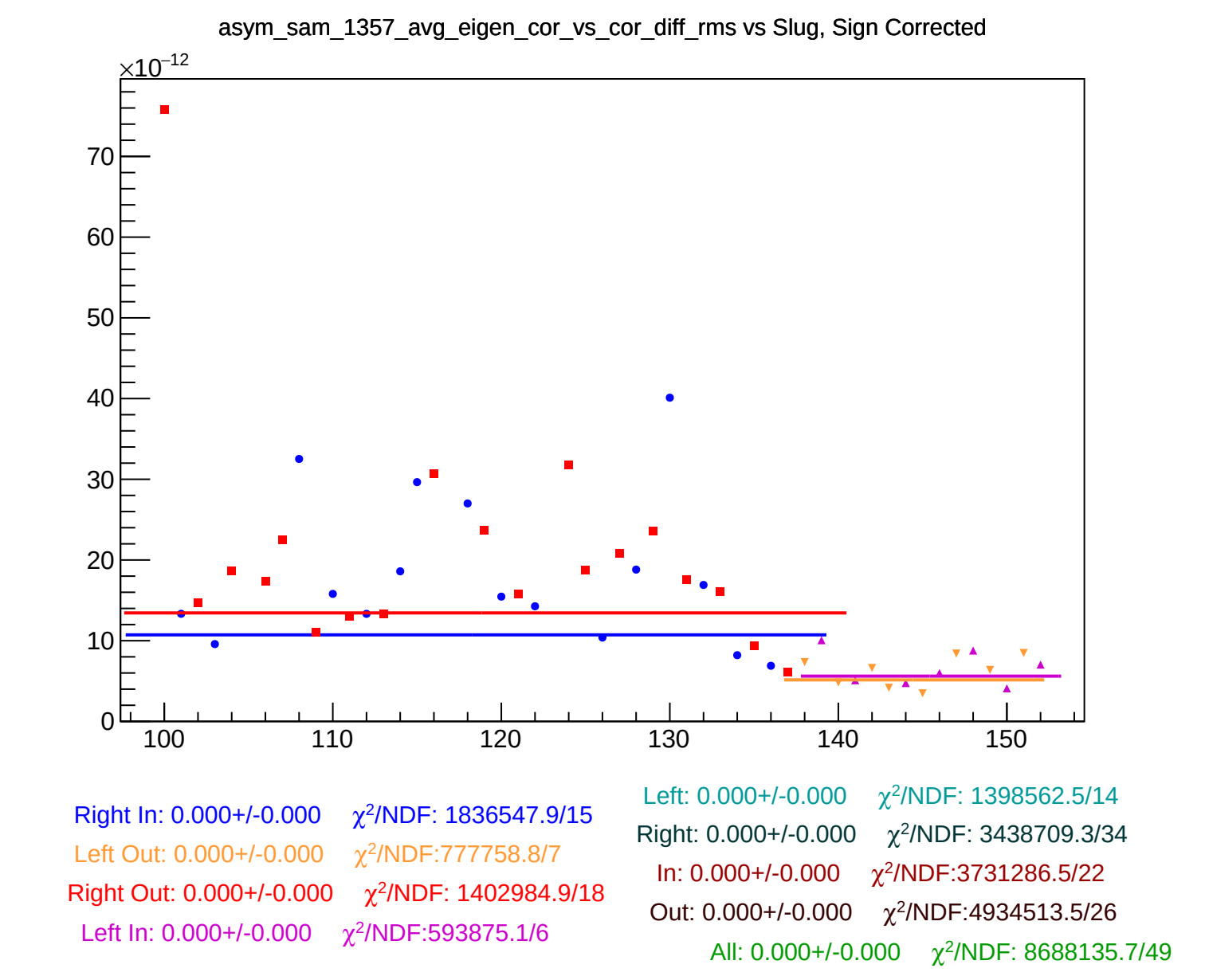
Left: 0.000+/-0.000 χ^2/NDF: 19.9/14

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

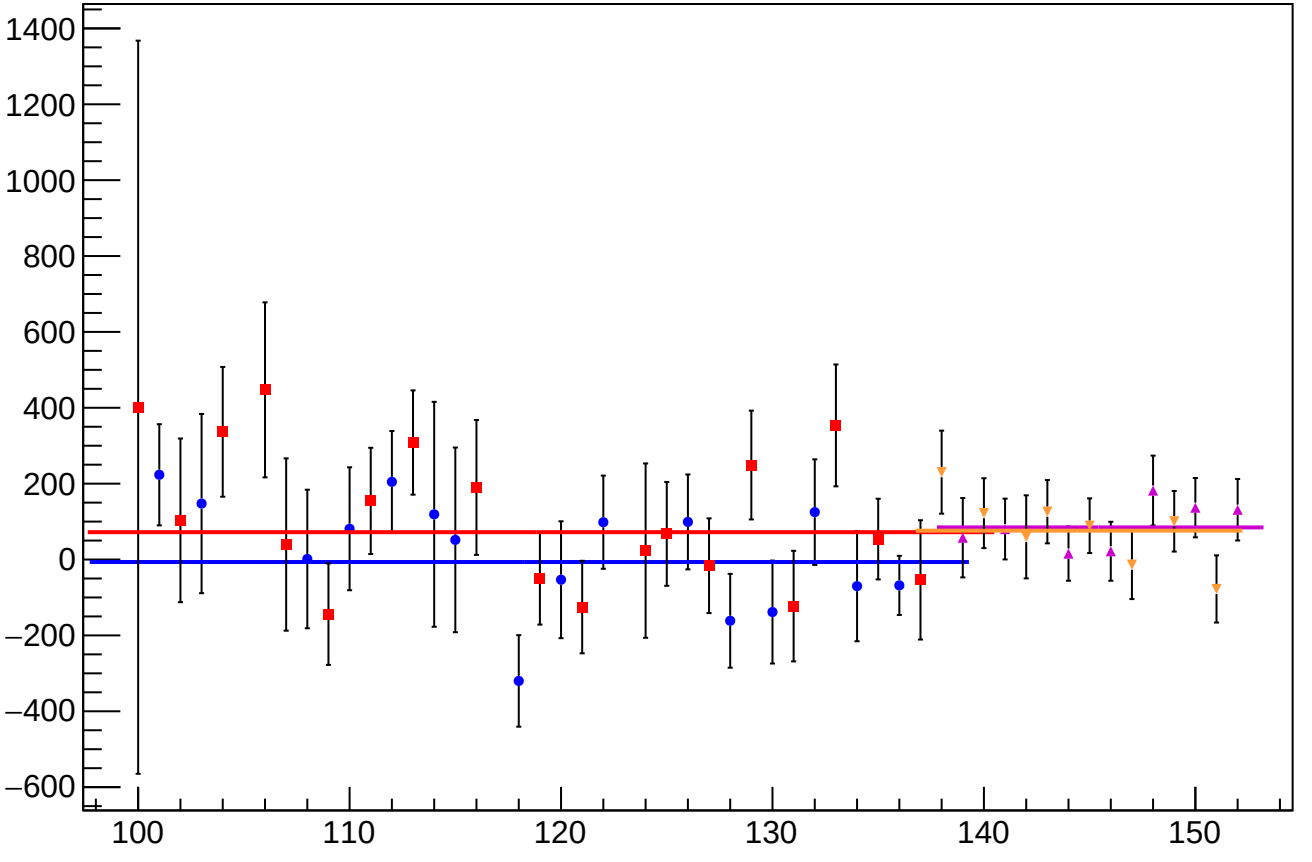
In: 0.000+/-0.000 χ^2/NDF:23.0/22

Out: 0.000+/-0.000 χ^2/NDF:27.8/26

All: 0.000+/-0.000 χ^2/NDF: 51.3/49


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:593875.1/6
Left: 0.000+/-0.000 χ²/NDF: 1398562.5/14
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:3731286.5/22
Out: 0.000+/-0.000 χ²/NDF:4934513.5/26
All: 0.000+/-0.000 χ²/NDF: 8688135.7/49

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: 84.639+/-30.980 χ^2/NDF:3.5/6

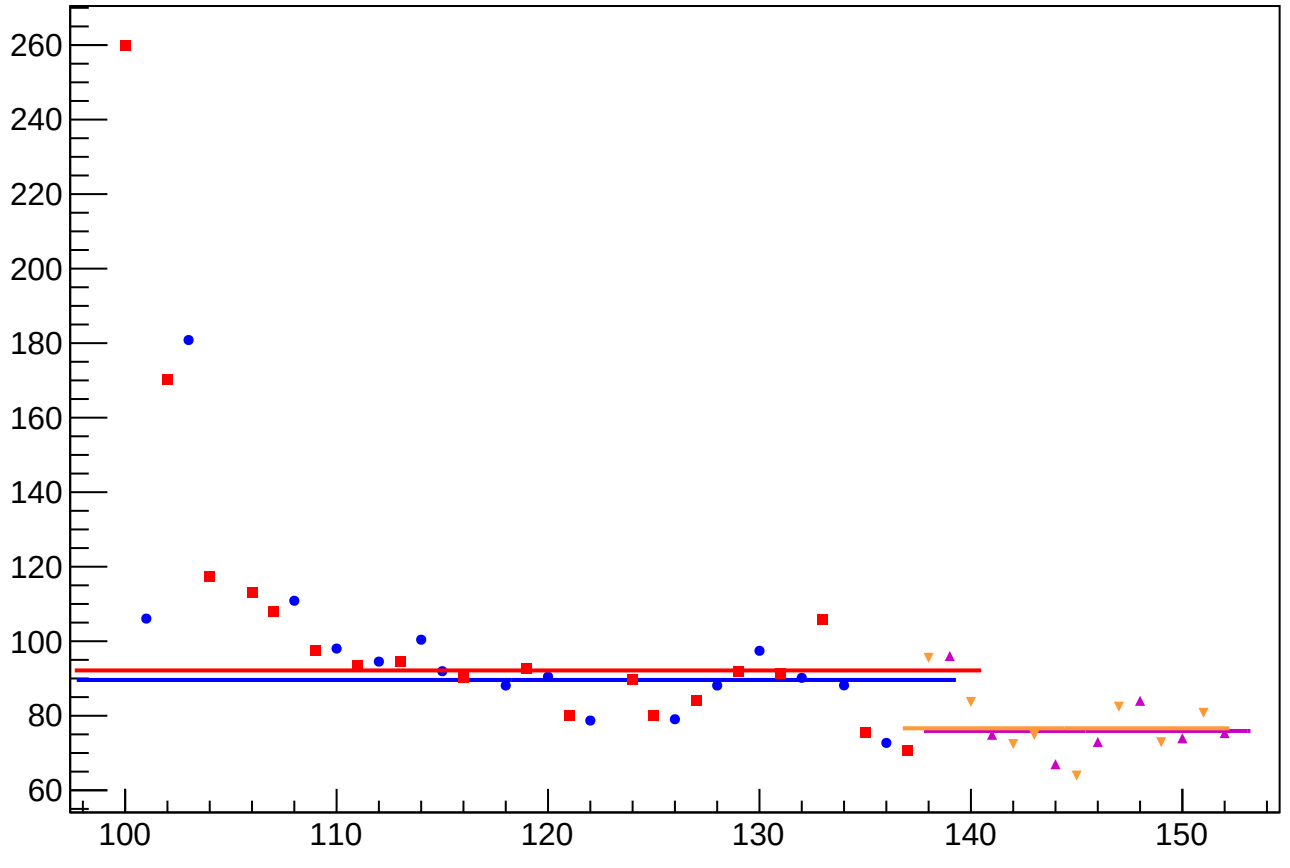
Left: 80.401+/-21.984 χ^2/NDF: 10.3/14

Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 43.647+/-22.987 χ^2/NDF:26.4/22

Out: 74.334+/-23.256 χ^2/NDF:29.5/26

All: 58.812+/-16.348 χ^2/NDF: 56.8/49



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: 75.916+/-0.022 χ^2/NDF:125057.3/6

Left: 76.270+/-0.016 χ^2/NDF: 279871.2/14

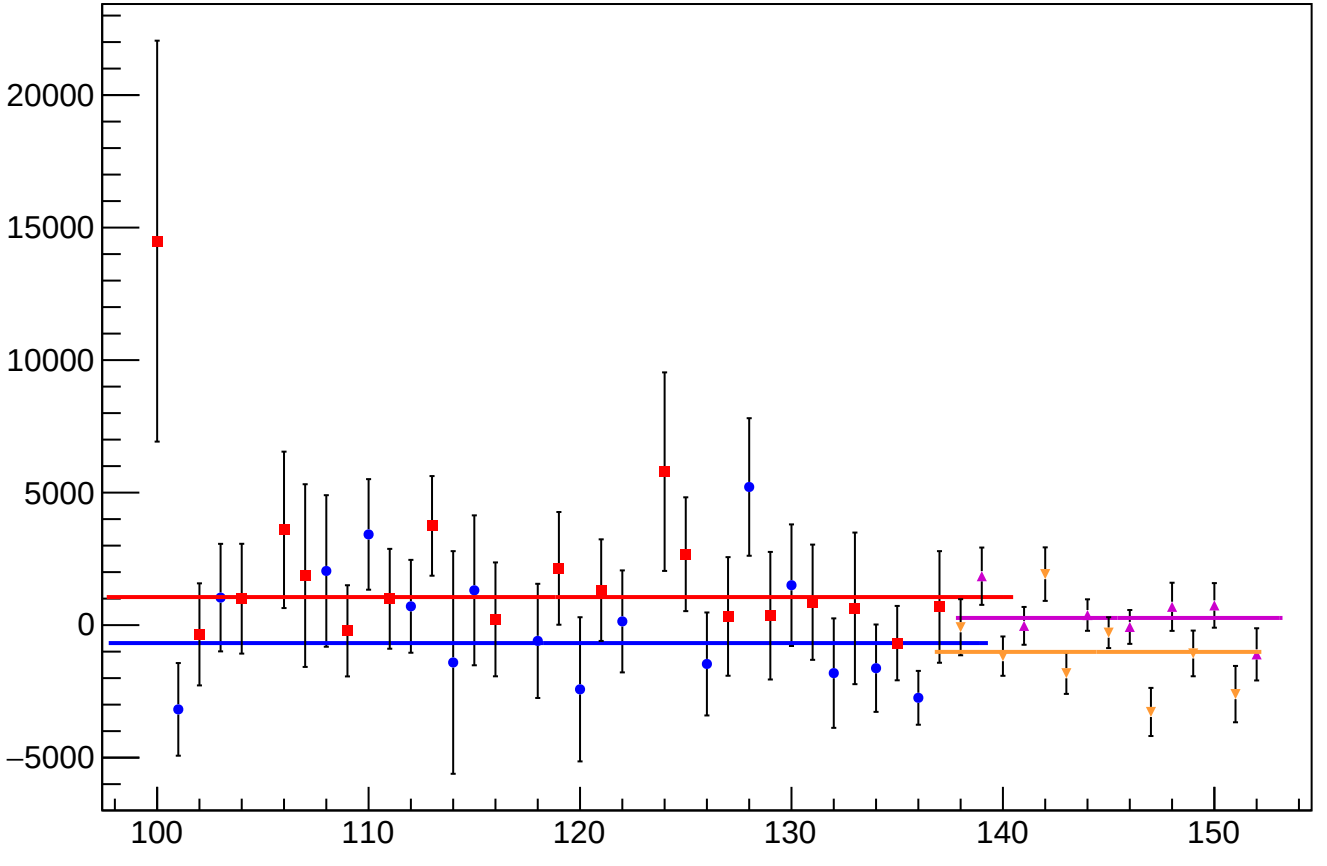
Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 82.068+/-0.016 χ^2/NDF:798916.1/22

Out: 83.533+/-0.016 χ^2/NDF:916636.8/26

All: 82.792+/-0.012 χ^2/NDF: 1719563.2/49

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



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: 270.816+/-291.644 χ^2/NDF:5.1/6

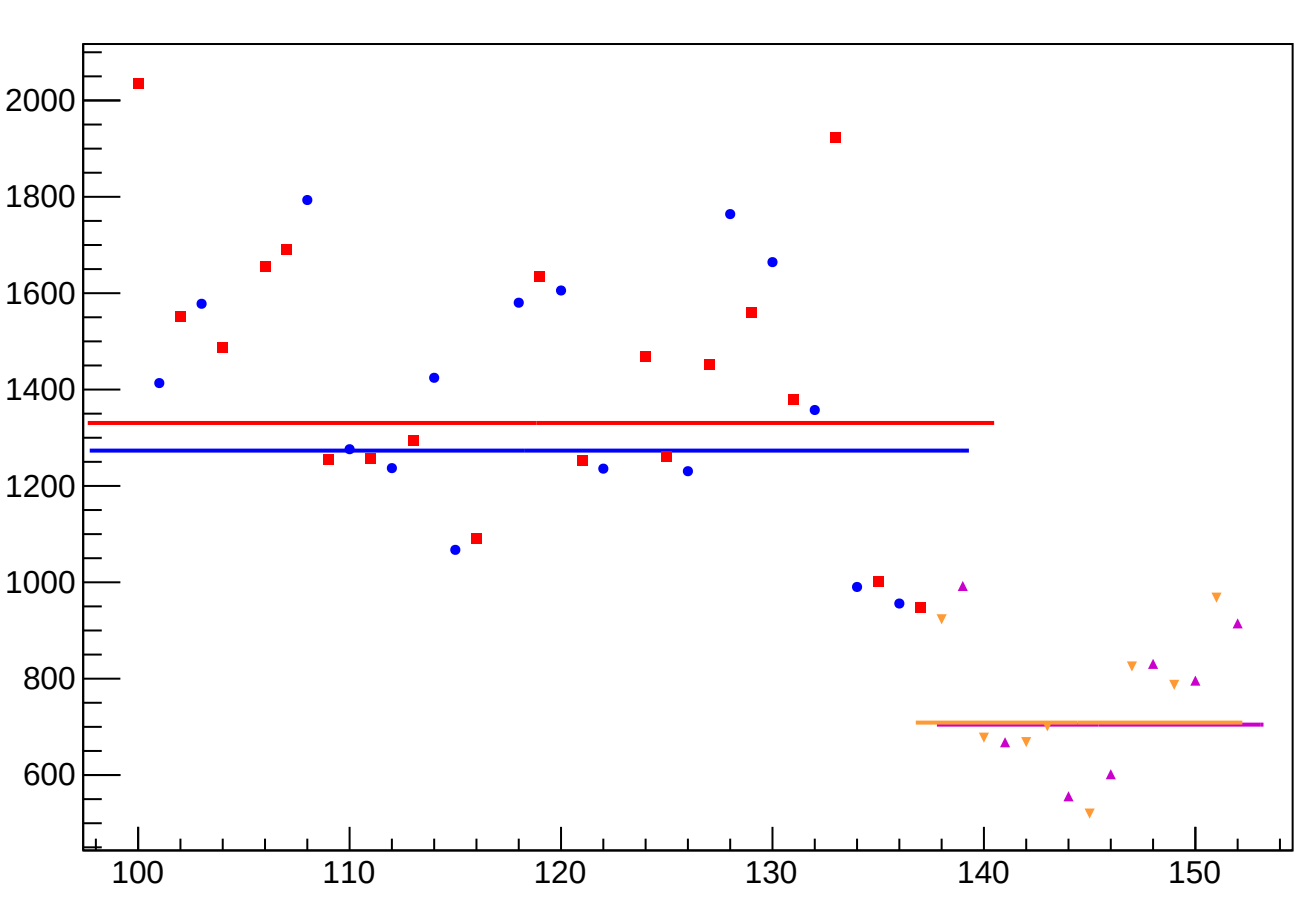
Left: -368.991+/-206.330 χ^2/NDF: 35.1/14

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 20.131+/-250.138 χ^2/NDF:28.1/22

Out: -478.344+/-251.643 χ^2/NDF:44.7/26

All: -227.611+/-177.404 χ^2/NDF: 74.8/49



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: 704.644+/-0.206 χ^2/NDF:477238.2/6

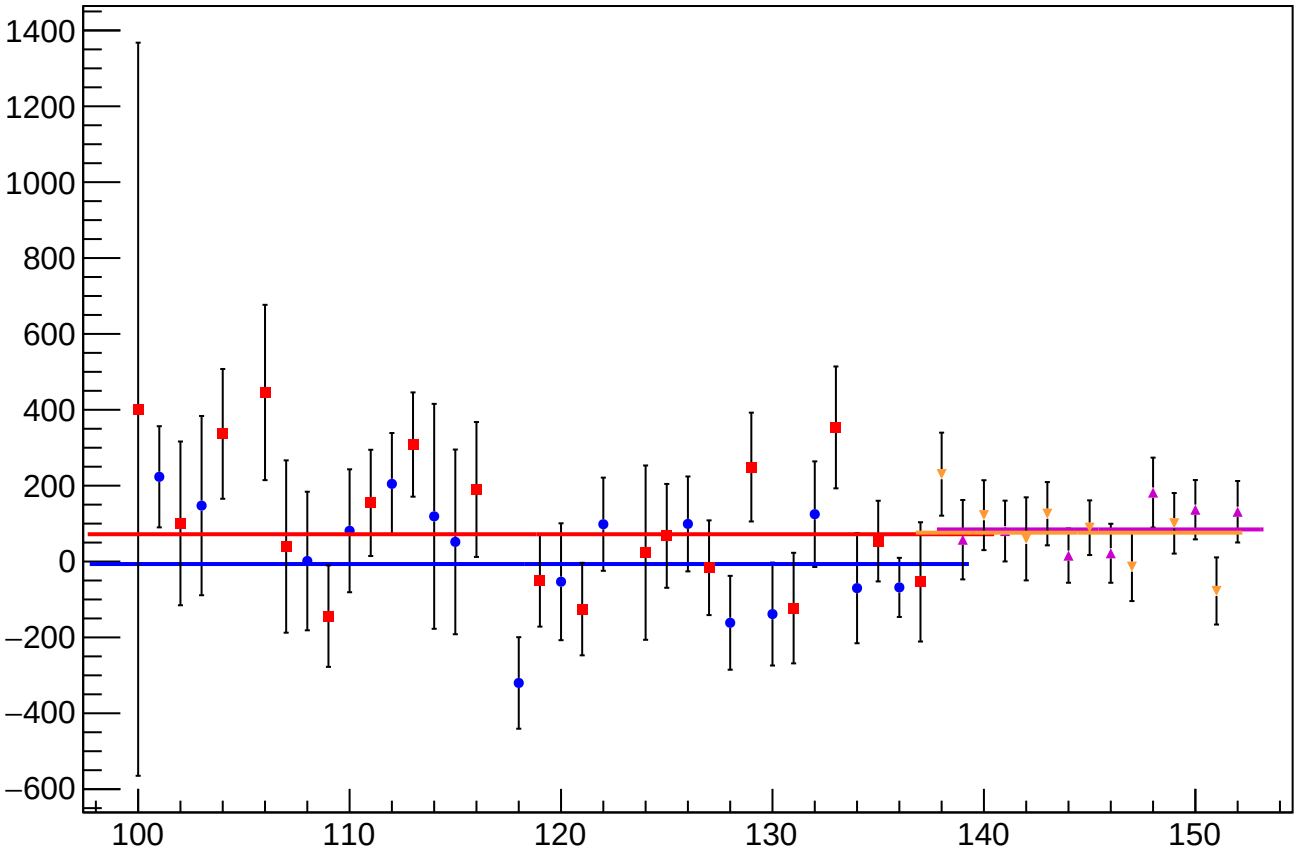
Left: 706.751+/-0.146 χ^2/NDF: 945523.2/14

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 854.992+/-0.177 χ^2/NDF:3085189.8/22

Out: 868.693+/-0.178 χ^2/NDF:3270906.4/26

All: 861.801+/-0.125 χ^2/NDF: 6359078.2/49



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: 84.642+/-30.980 χ^2/NDF:3.5/6

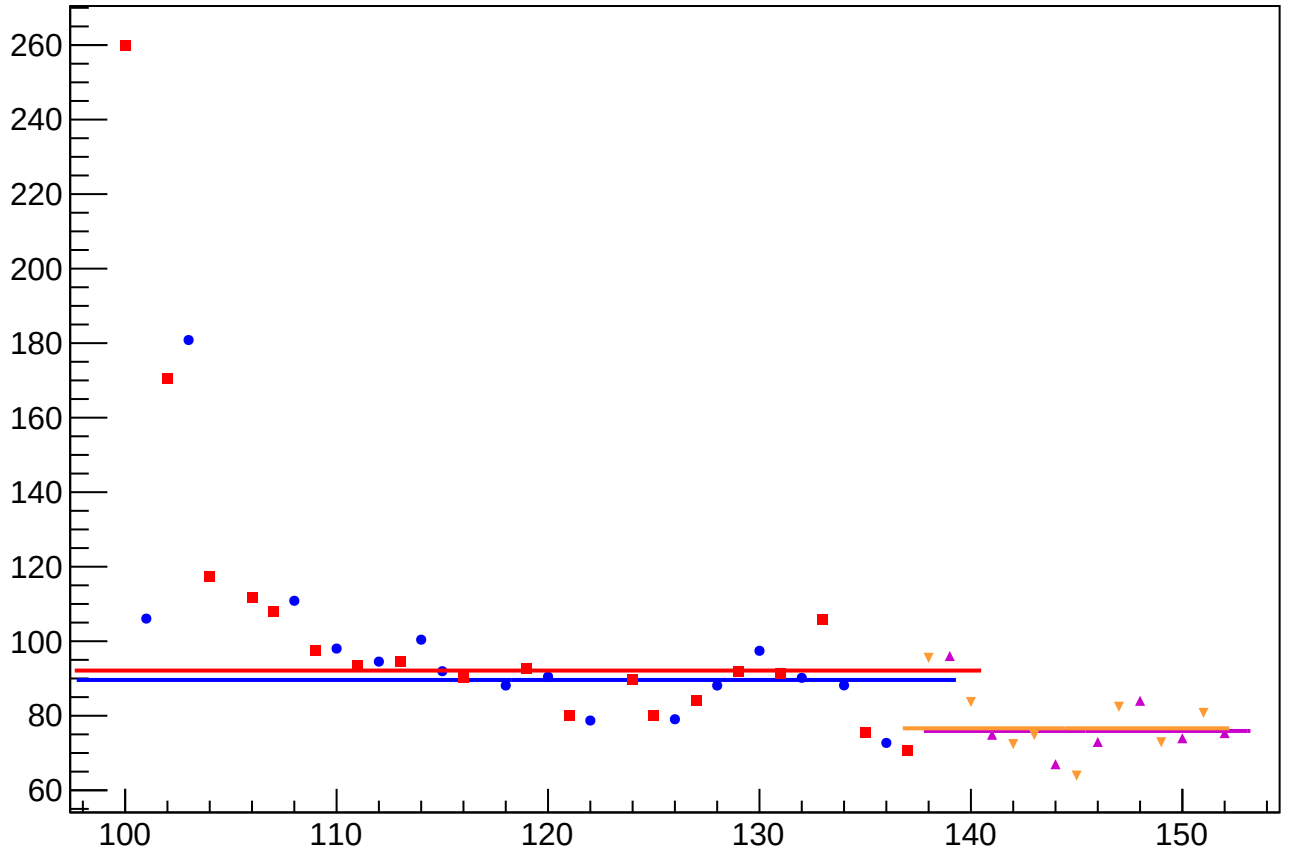
Left: 80.408+/-21.984 χ^2/NDF: 10.3/14

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 43.645+/-22.987 χ^2/NDF:26.4/22

Out: 74.276+/-23.256 χ^2/NDF:29.5/26

All: 58.782+/-16.349 χ^2/NDF: 56.7/49



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: 75.916+/-0.022 χ^2/NDF:125057.3/6

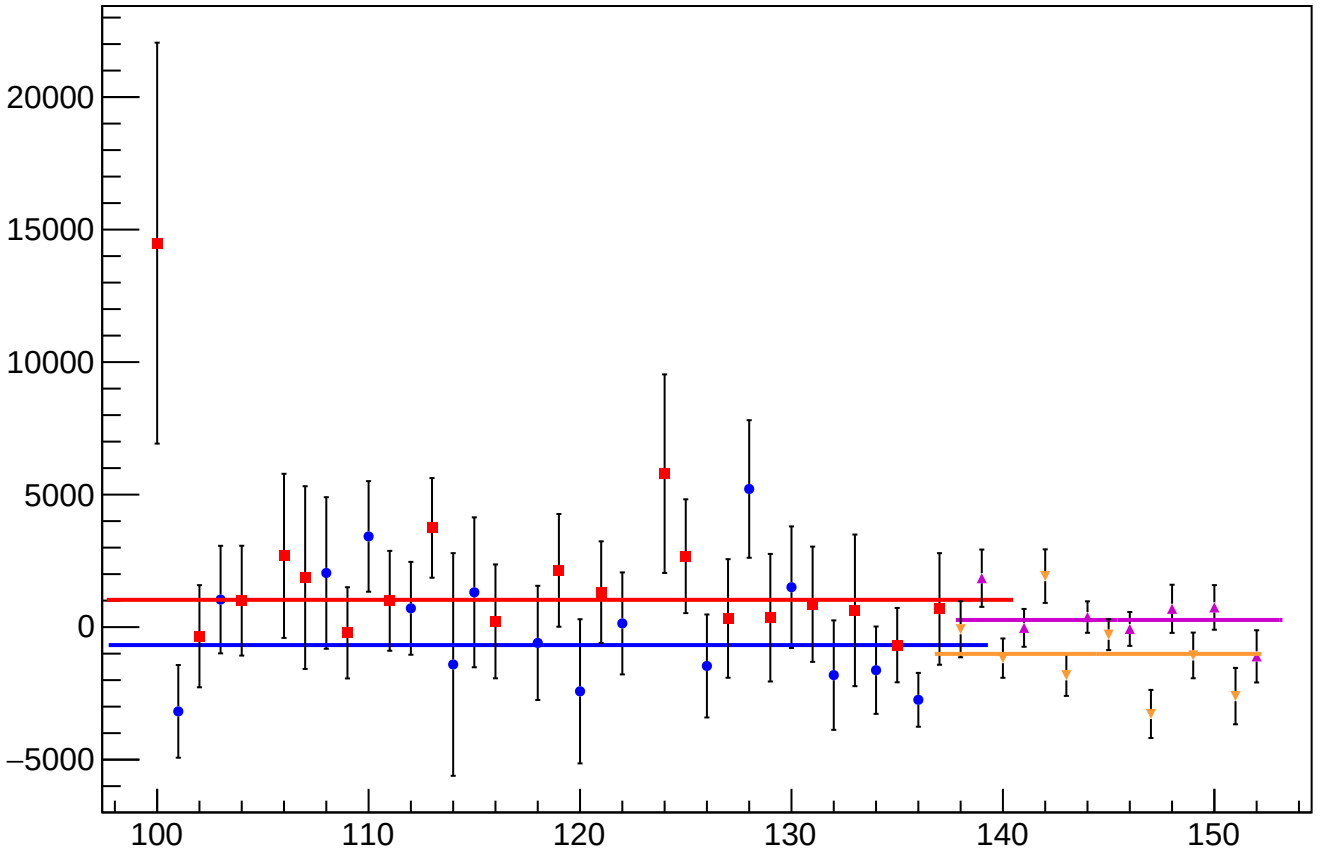
Left: 76.270+/-0.016 χ^2/NDF: 279871.2/14

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 82.068+/-0.016 χ^2/NDF:798919.6/22

Out: 83.518+/-0.016 χ^2/NDF:913956.7/26

All: 82.785+/-0.012 χ^2/NDF: 1716807.2/49



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: 270.823+/-291.644 χ^2/NDF:5.1/6

Left: -368.983+/-206.330 χ^2/NDF: 35.1/14

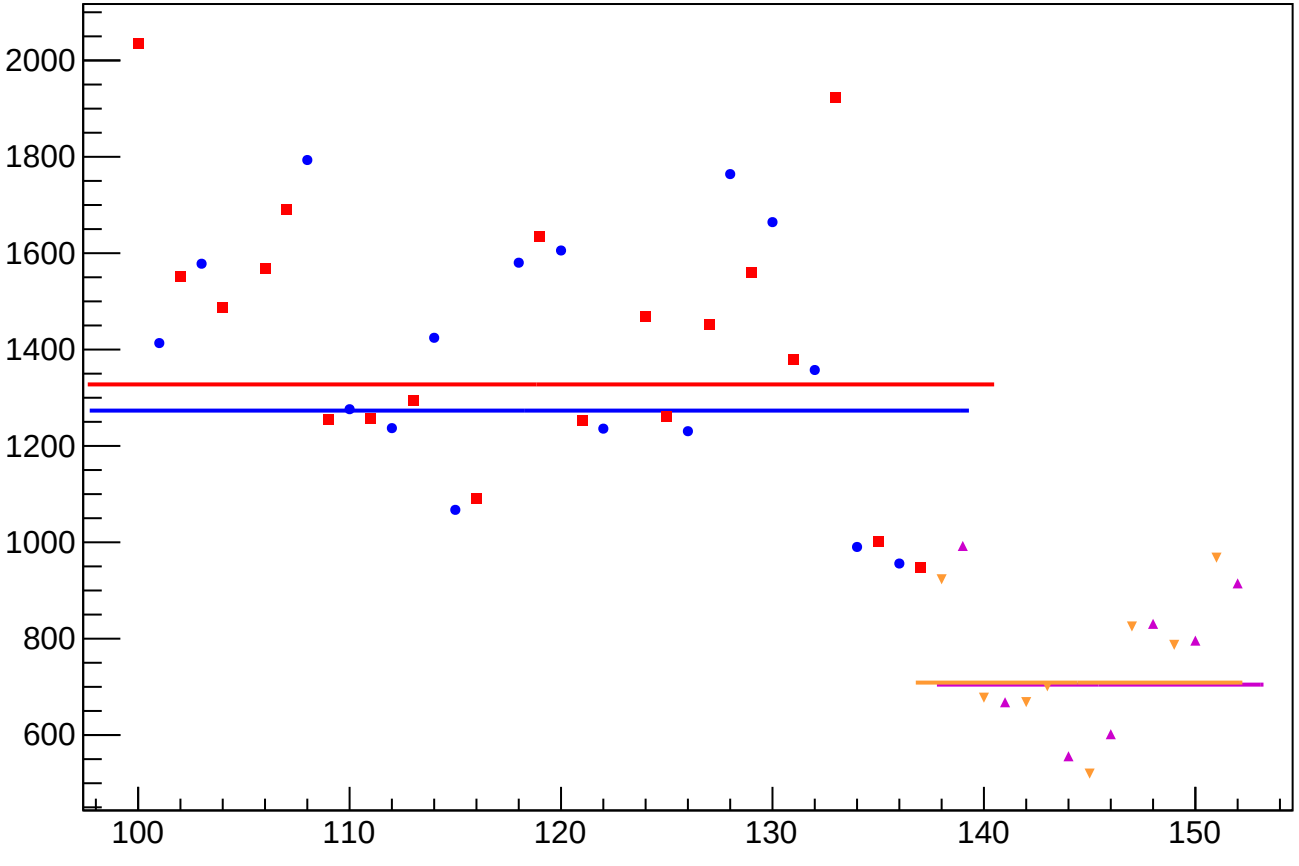
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 20.147+/-250.138 χ^2/NDF:28.1/22

Out: -486.931+/-251.730 χ^2/NDF:43.9/26

All: -231.784+/-177.434 χ^2/NDF: 74.1/49

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: 704.645+/-0.206 χ^2/NDF:477237.2/6

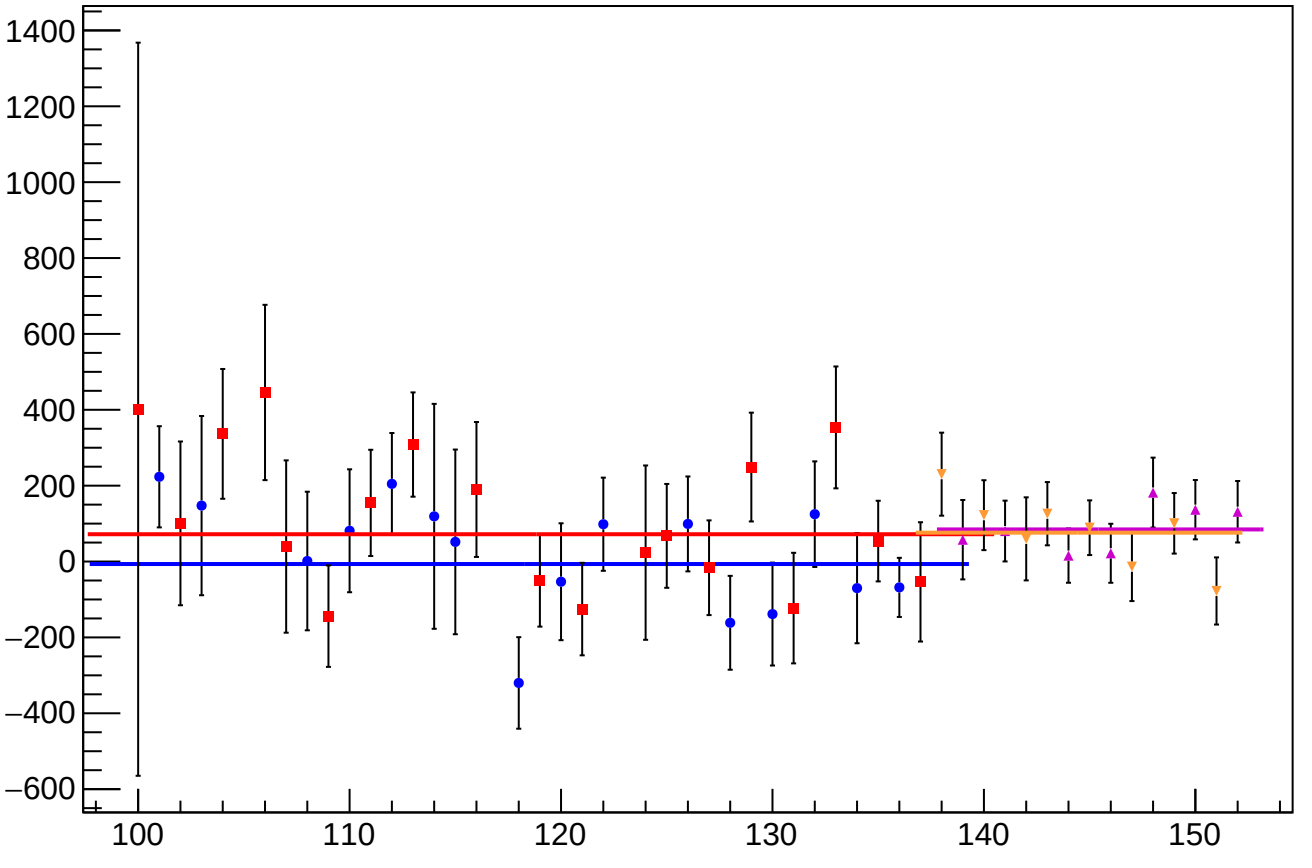
Left: 706.751+/-0.146 χ^2/NDF: 945524.7/14

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 854.992+/-0.177 χ^2/NDF:3085225.5/22

Out: 867.598+/-0.178 χ^2/NDF:3231464.5/26

All: 861.255+/-0.125 χ^2/NDF: 6319213.3/49



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: 84.642+/-30.980 χ^2/NDF:3.5/6

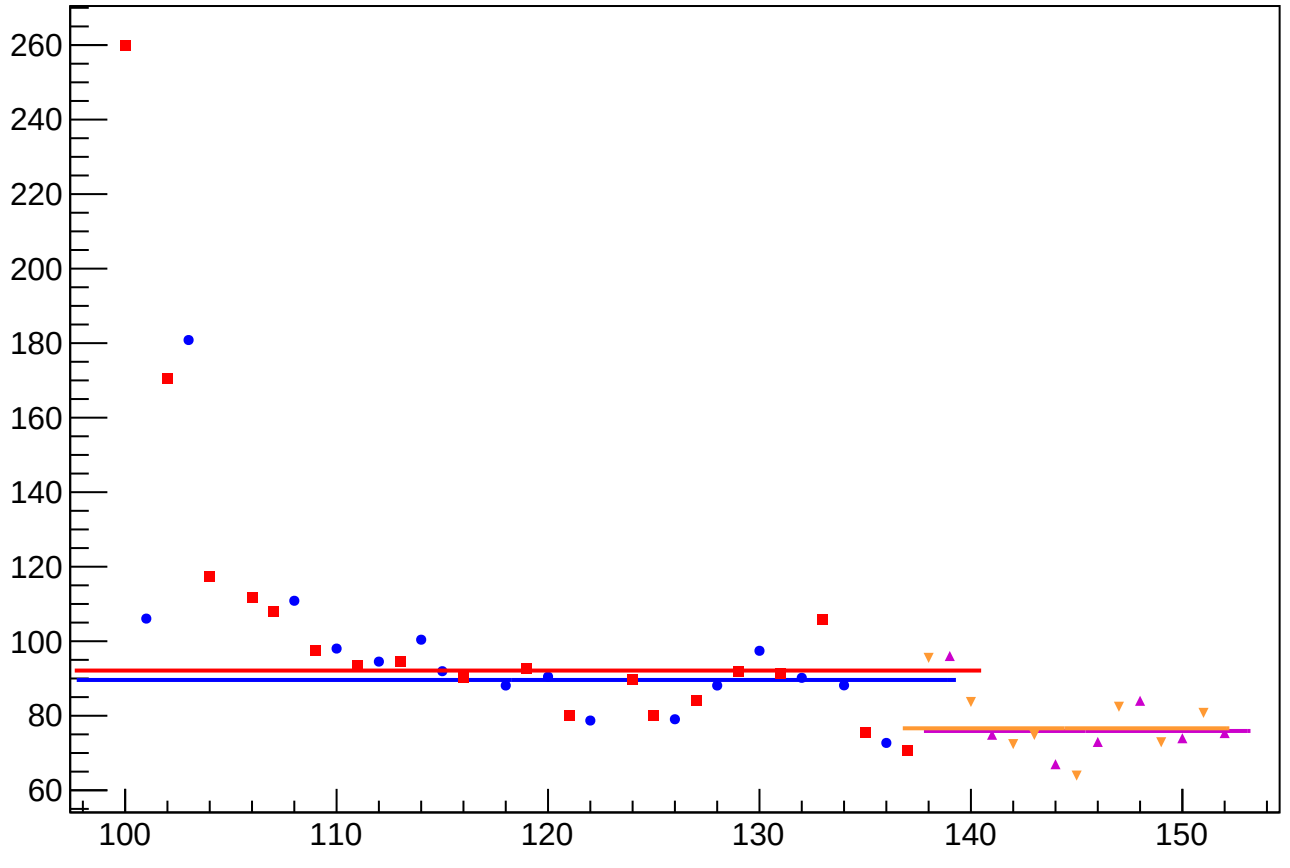
Left: 80.408+/-21.984 χ^2/NDF: 10.3/14

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 43.645+/-22.987 χ^2/NDF:26.4/22

Out: 74.276+/-23.256 χ^2/NDF:29.5/26

All: 58.782+/-16.349 χ^2/NDF: 56.7/49



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: 75.916+/-0.022 χ^2/NDF:125057.3/6

Left: 76.270+/-0.016 χ^2/NDF: 279871.2/14

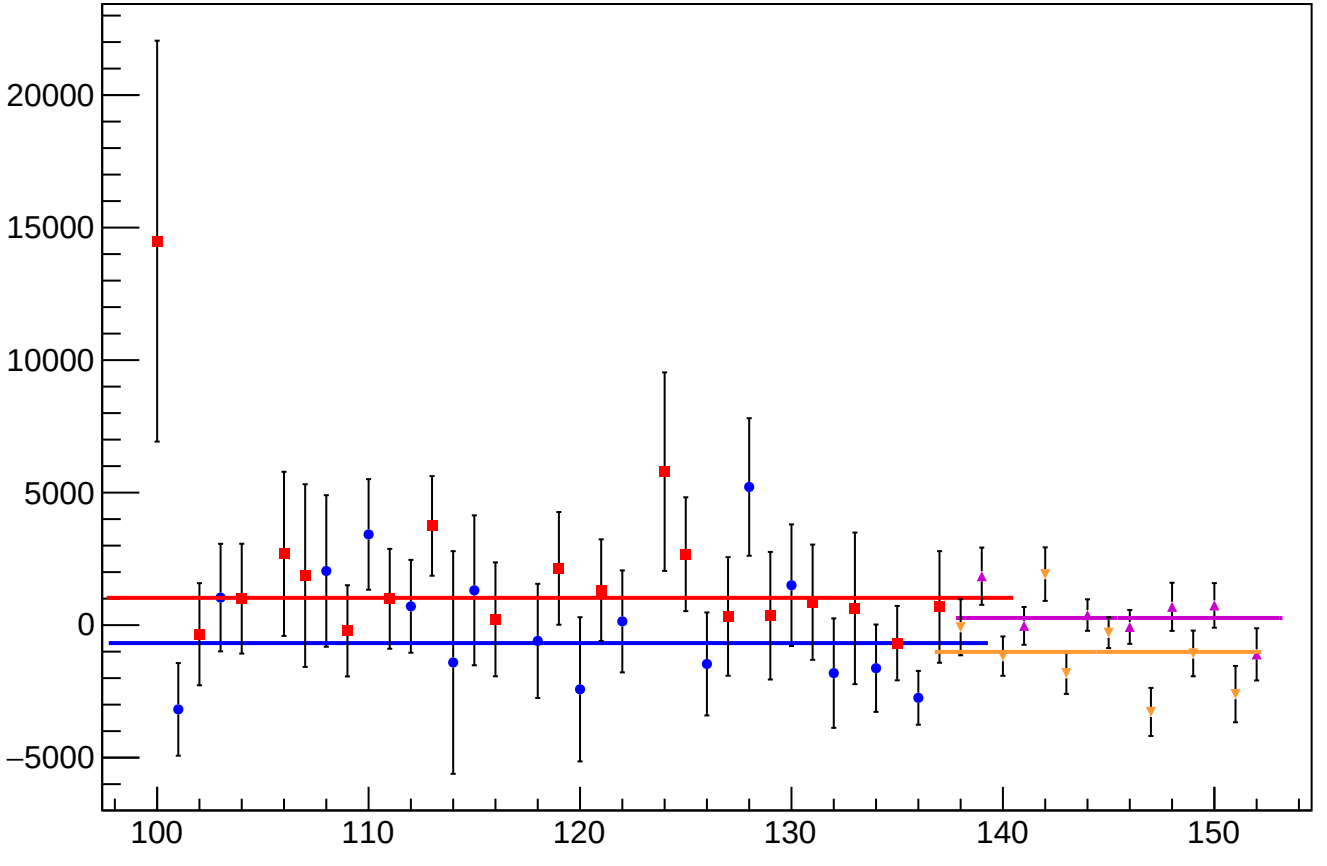
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 82.068+/-0.016 χ^2/NDF:798919.6/22

Out: 83.518+/-0.016 χ^2/NDF:913956.7/26

All: 82.785+/-0.012 χ^2/NDF: 1716807.2/49

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: 270.823+/-291.644 χ^2/NDF:5.1/6

Left: -368.983+/-206.330 χ^2/NDF: 35.1/14

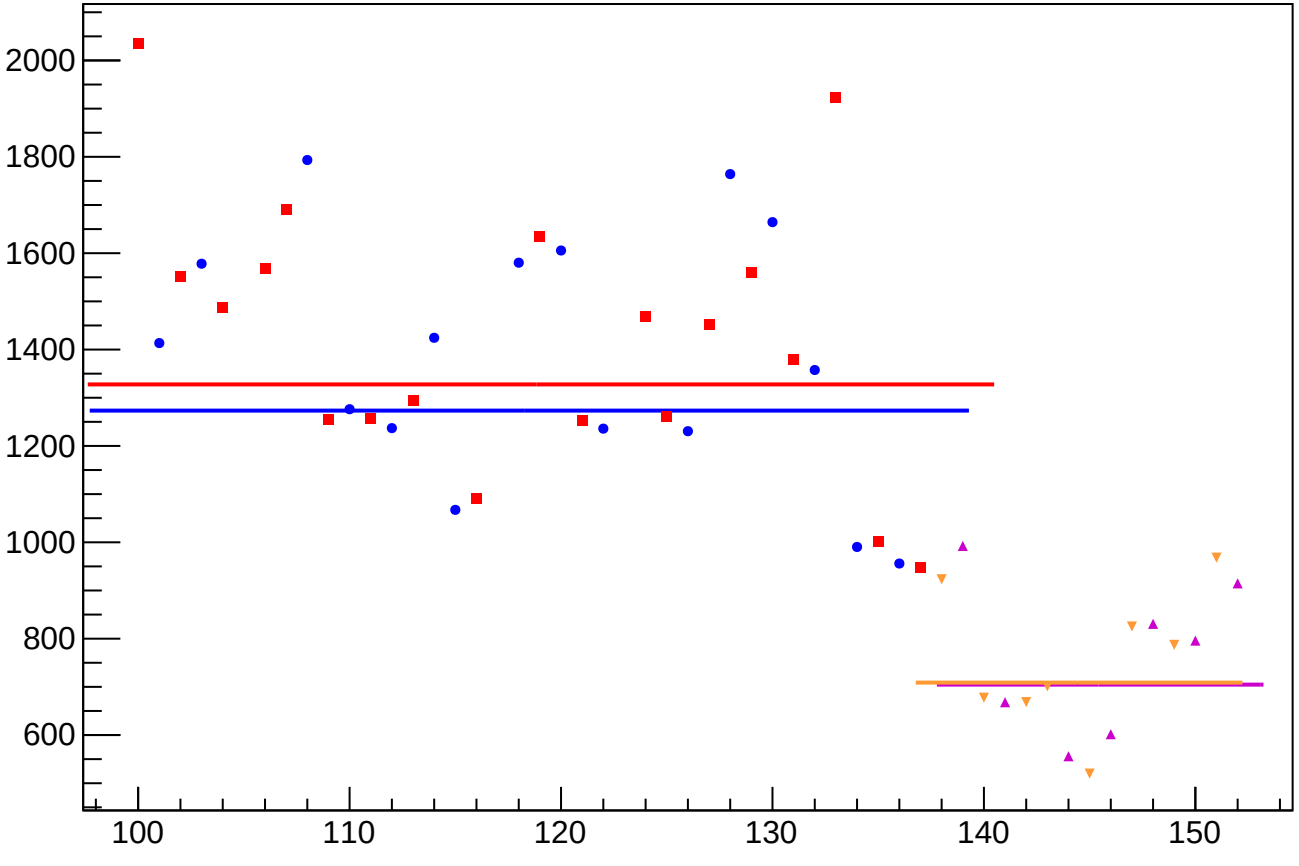
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 20.147+/-250.138 χ^2/NDF:28.1/22

Out: -486.931+/-251.730 χ^2/NDF:43.9/26

All: -231.784+/-177.434 χ^2/NDF: 74.1/49

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: 704.645+/-0.206 χ^2/NDF:477237.2/6

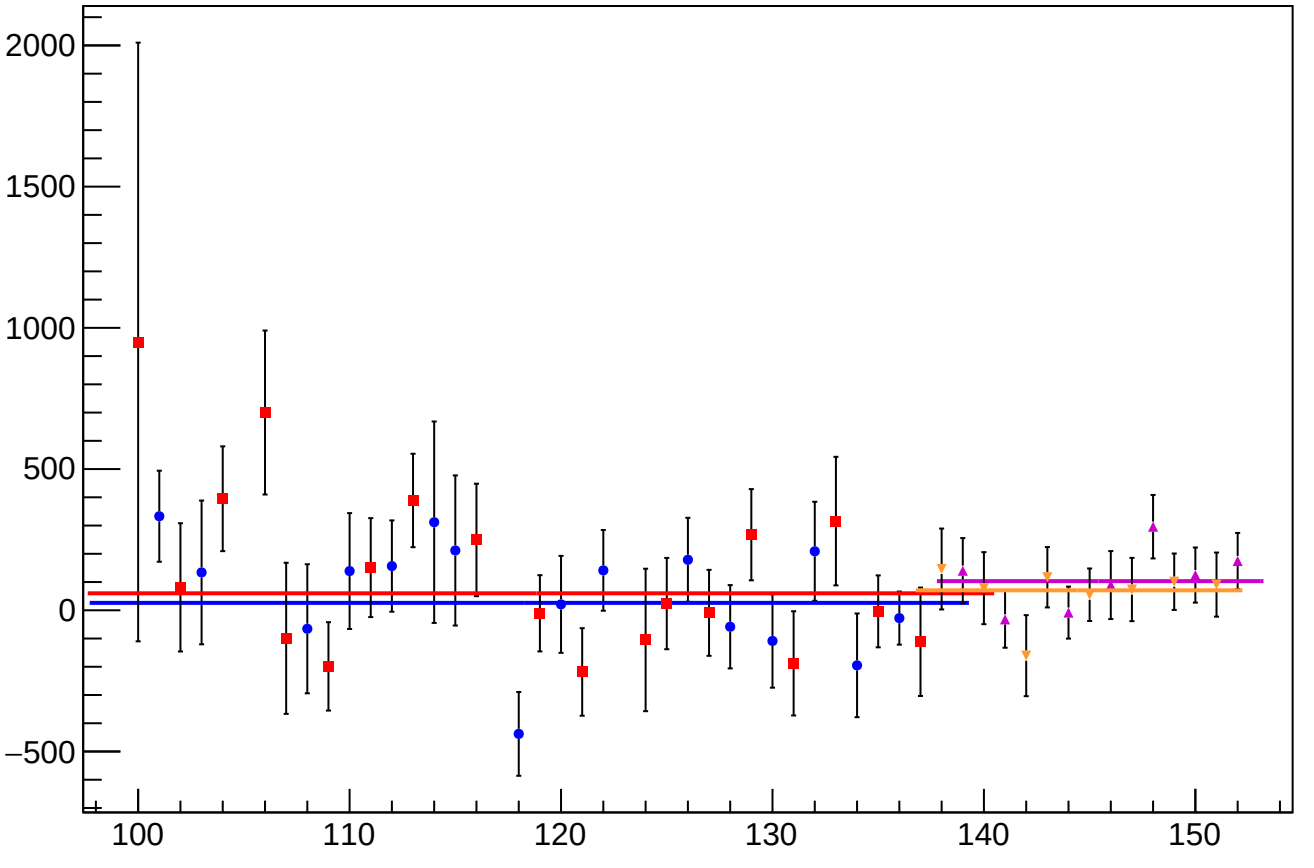
Left: 706.751+/-0.146 χ^2/NDF: 945524.7/14

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 854.992+/-0.177 χ^2/NDF:3085225.5/22

Out: 867.598+/-0.178 χ^2/NDF:3231464.5/26

All: 861.255+/-0.125 χ^2/NDF: 6319213.3/49



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: 103.152+/-39.333 χ^2/NDF:6.9/6

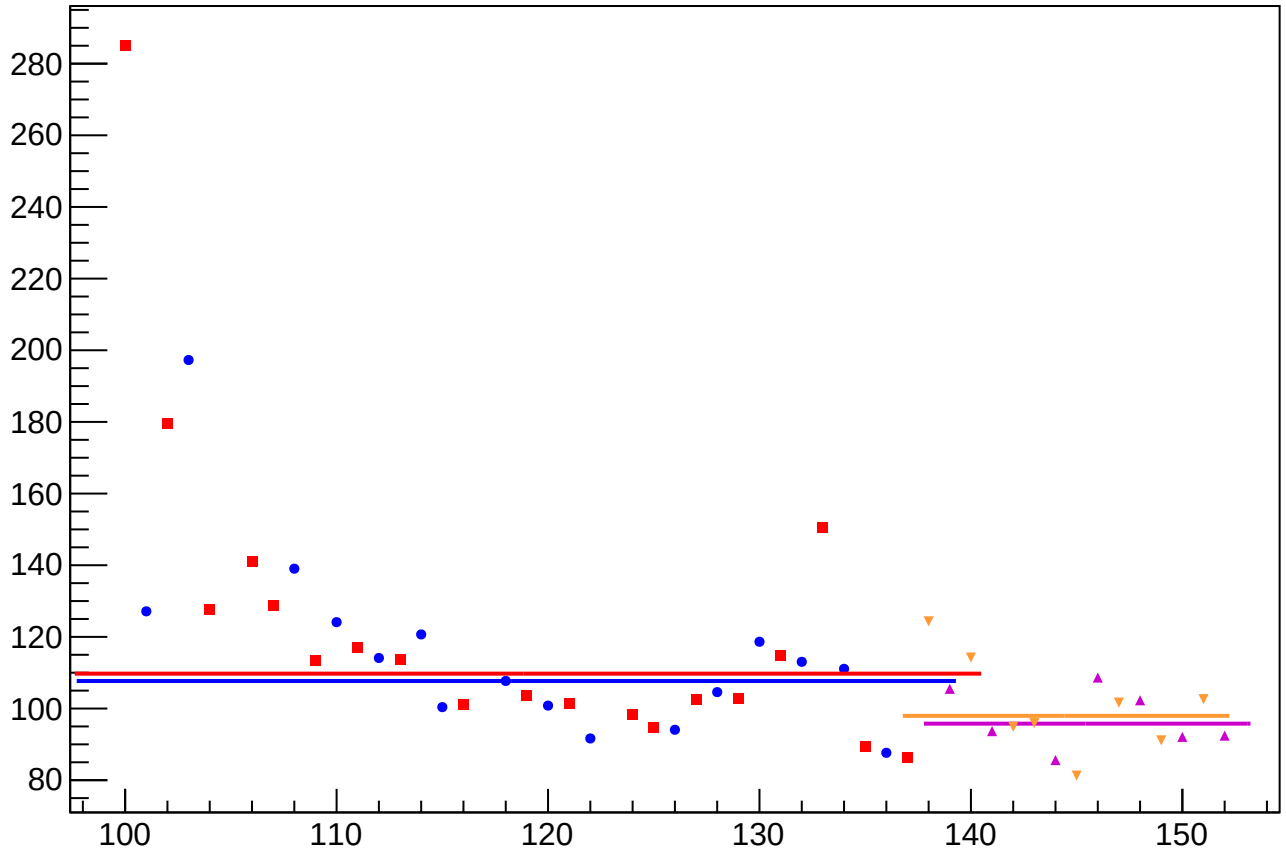
Left: 87.264+/-28.106 χ^2/NDF: 10.5/14

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 66.502+/-28.456 χ^2/NDF:30.1/22

Out: 65.579+/-28.875 χ^2/NDF:30.3/26

All: 66.047+/-20.268 χ^2/NDF: 60.3/49



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: 95.782+/-0.028 χ^2/NDF:74046.8/6

Left: 96.848+/-0.020 χ^2/NDF: 258208.5/14

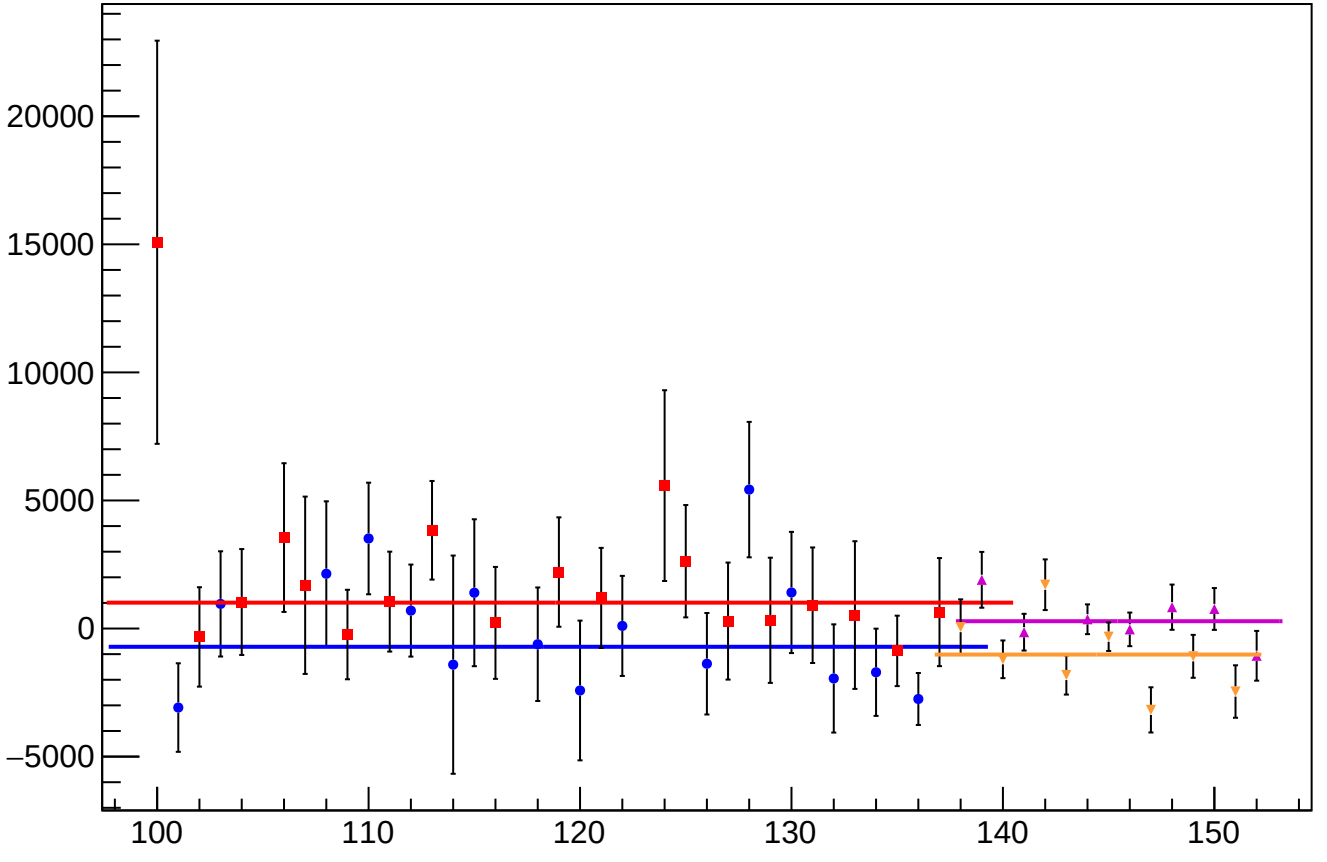
Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 101.453+/-0.020 χ^2/NDF:644380.6/22

Out: 103.655+/-0.020 χ^2/NDF:756074.8/26

All: 102.538+/-0.014 χ^2/NDF: 1406355.3/49

asym_sam_2468_avg_dit_correction_mean vs Slug, Sign Corrected



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: 286.051+/-289.689 χ^2/NDF:5.5/6

Left: -376.333+/-203.115 χ^2/NDF: 35.0/14

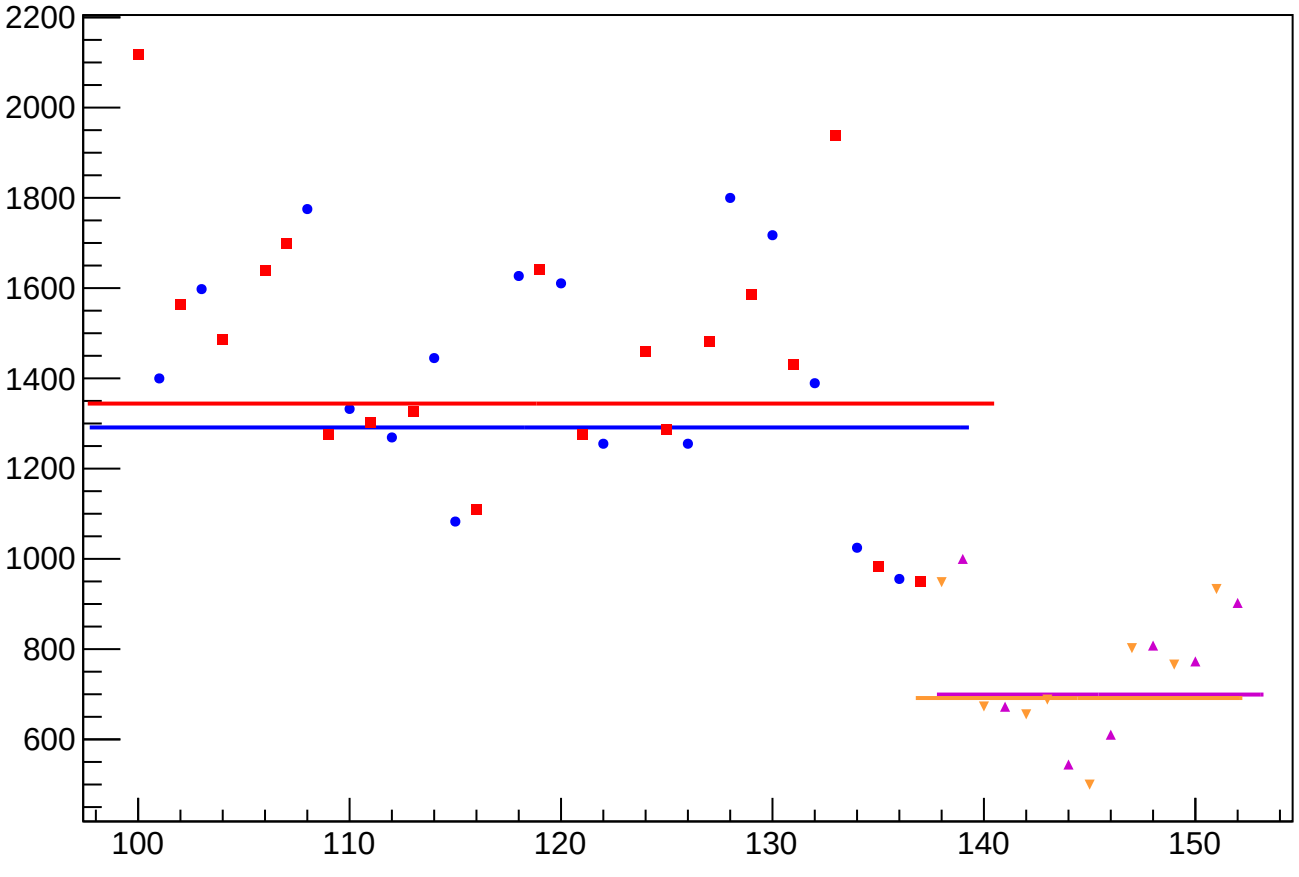
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 29.859+/-249.794 χ^2/NDF:28.6/22

Out: -522.083+/-247.680 χ^2/NDF:43.4/26

All: -248.457+/-175.879 χ^2/NDF: 74.5/49

asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 691.636+/-0.201 χ^2/NDF:512251.5/7

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 699.330+/-0.205 χ^2/NDF:468053.1/6

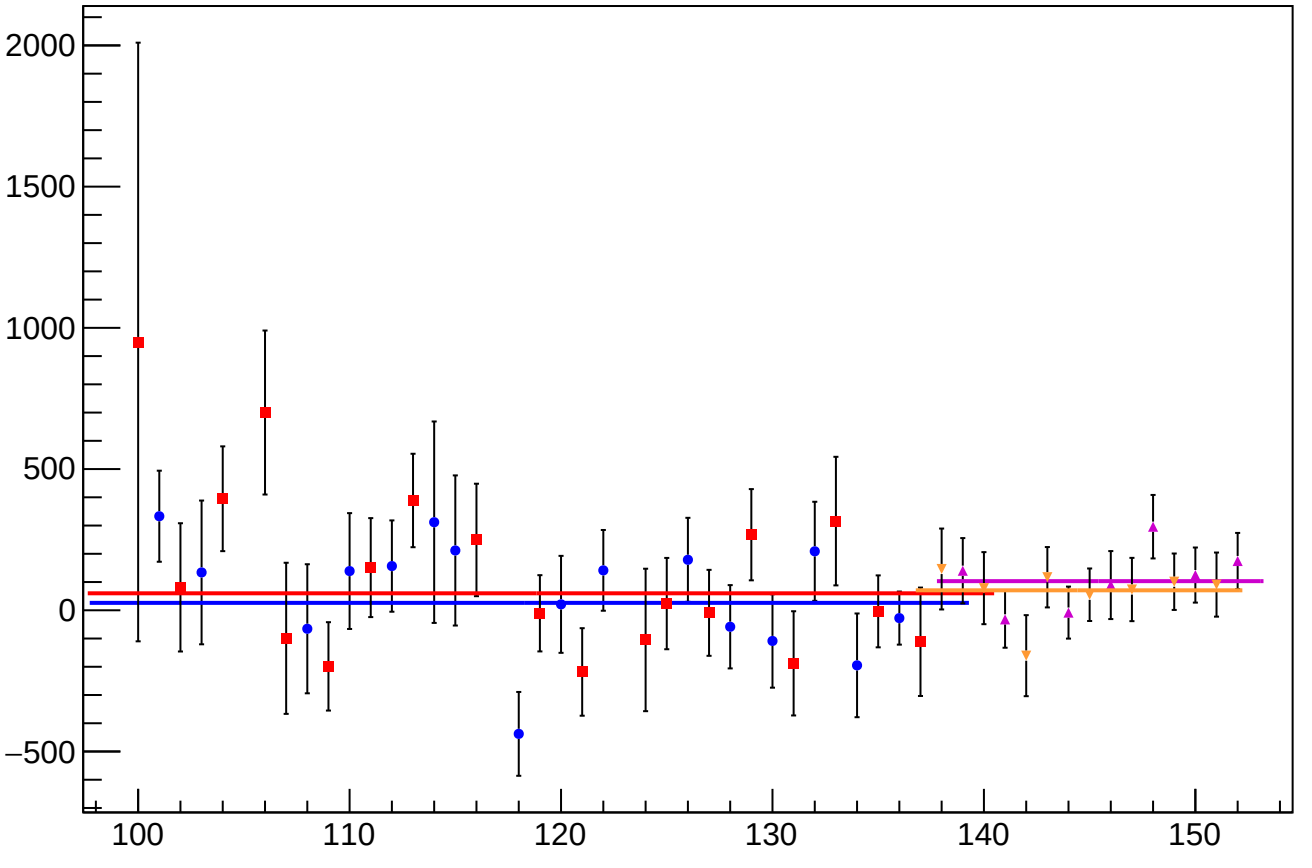
Left: 695.419+/-0.144 χ^2/NDF: 981021.8/14

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 851.129+/-0.177 χ^2/NDF:3220257.8/22

Out: 850.867+/-0.175 χ^2/NDF:3563821.0/26

All: 850.997+/-0.124 χ^2/NDF: 6784079.9/49



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: 103.153+/-39.333 χ^2/NDF:6.9/6

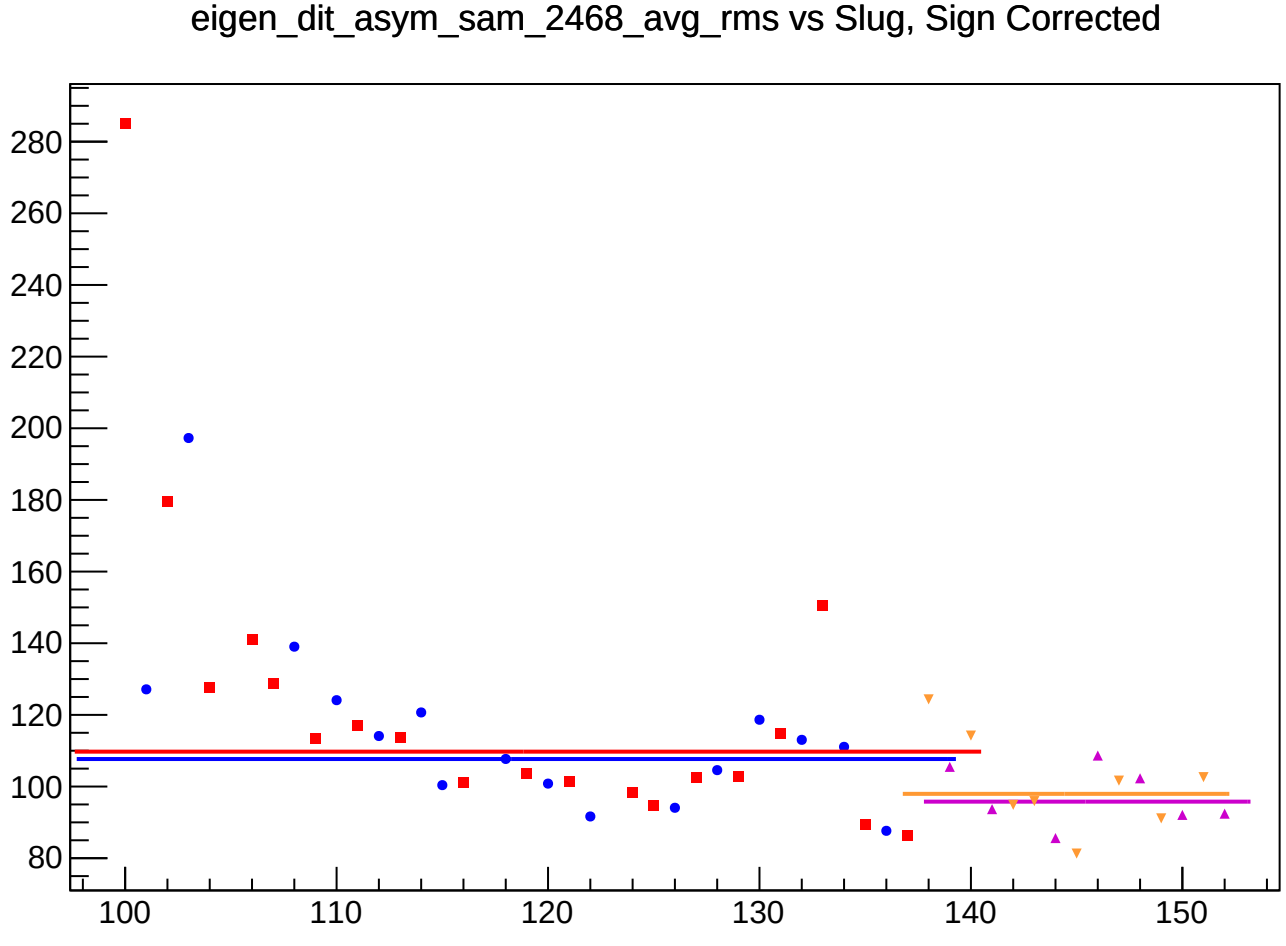
Left: 87.264+/-28.106 χ^2/NDF: 10.5/14

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

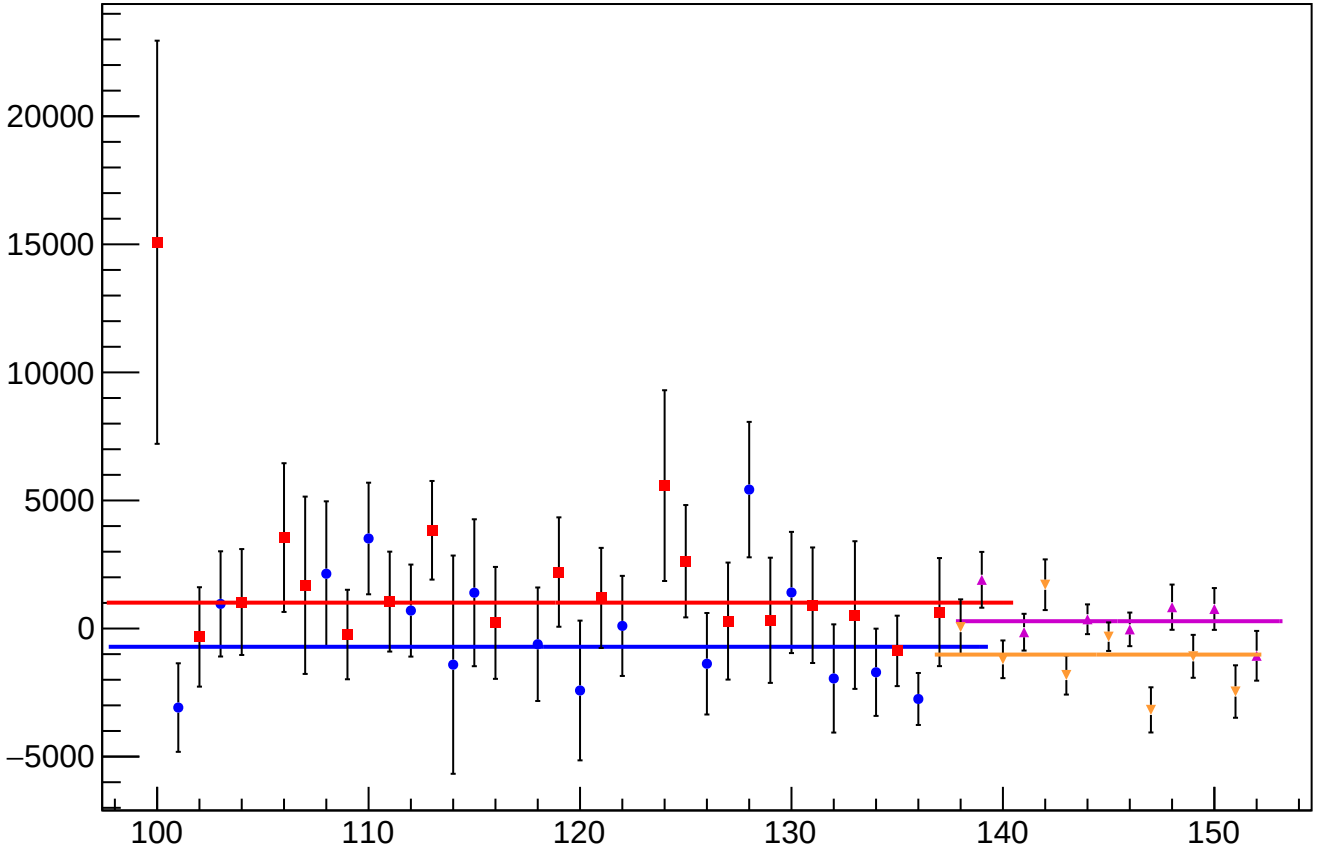
In: 66.502+/-28.456 χ^2/NDF:30.1/22

Out: 65.578+/-28.875 χ^2/NDF:30.3/26

All: 66.047+/-20.268 χ^2/NDF: 60.3/49


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: 95.783+/-0.028 χ²/NDF:74044.0/6
Left: 96.849+/-0.020 χ²/NDF: 258193.5/14
Right: 108.701+/-0.021 χ²/NDF: 977375.0/34
In: 101.453+/-0.020 χ²/NDF:644347.3/22
Out: 103.655+/-0.020 χ²/NDF:756044.0/26
All: 102.537+/-0.014 χ²/NDF: 1406291.6/49

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: 286.051+/-289.688 χ^2/NDF:5.5/6

Left: -376.334+/-203.114 χ^2/NDF: 35.0/14

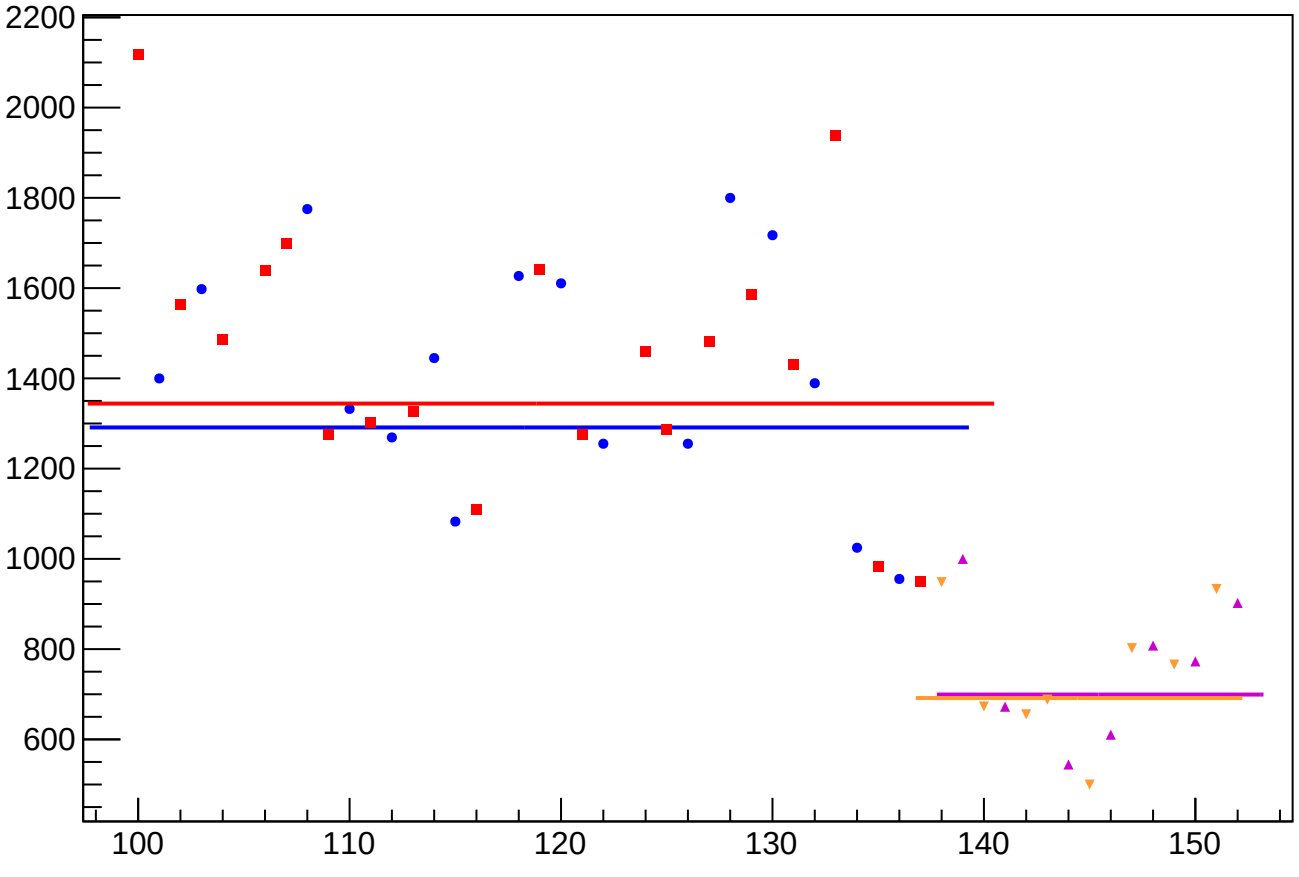
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 29.860+/-249.794 χ^2/NDF:28.6/22

Out: -522.083+/-247.680 χ^2/NDF:43.4/26

All: -248.457+/-175.879 χ^2/NDF: 74.5/49

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: 699.329+/-0.205 χ^2/NDF:468052.2/6

Left: 695.417+/-0.144 χ^2/NDF: 981025.3/14

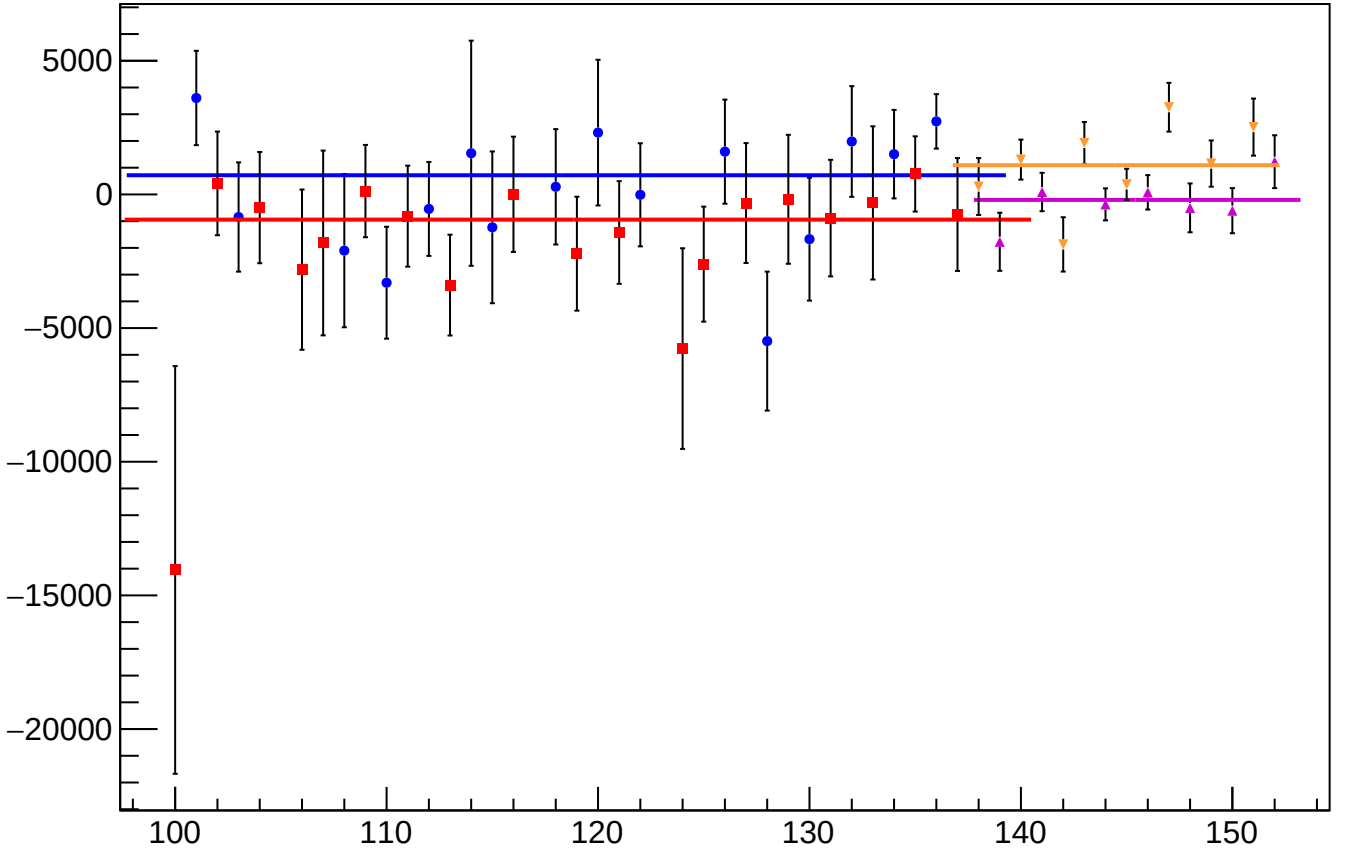
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 851.128+/-0.177 χ^2/NDF:3220249.8/22

Out: 850.865+/-0.175 χ^2/NDF:3563825.1/26

All: 850.996+/-0.124 χ^2/NDF: 6784076.0/49

asym_sam_2468_avg_mean vs Slug, Sign Corrected



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: -204.278+/-293.470 χ^2/NDF:4.9/6

Left: 443.792+/-207.620 χ^2/NDF: 33.9/14

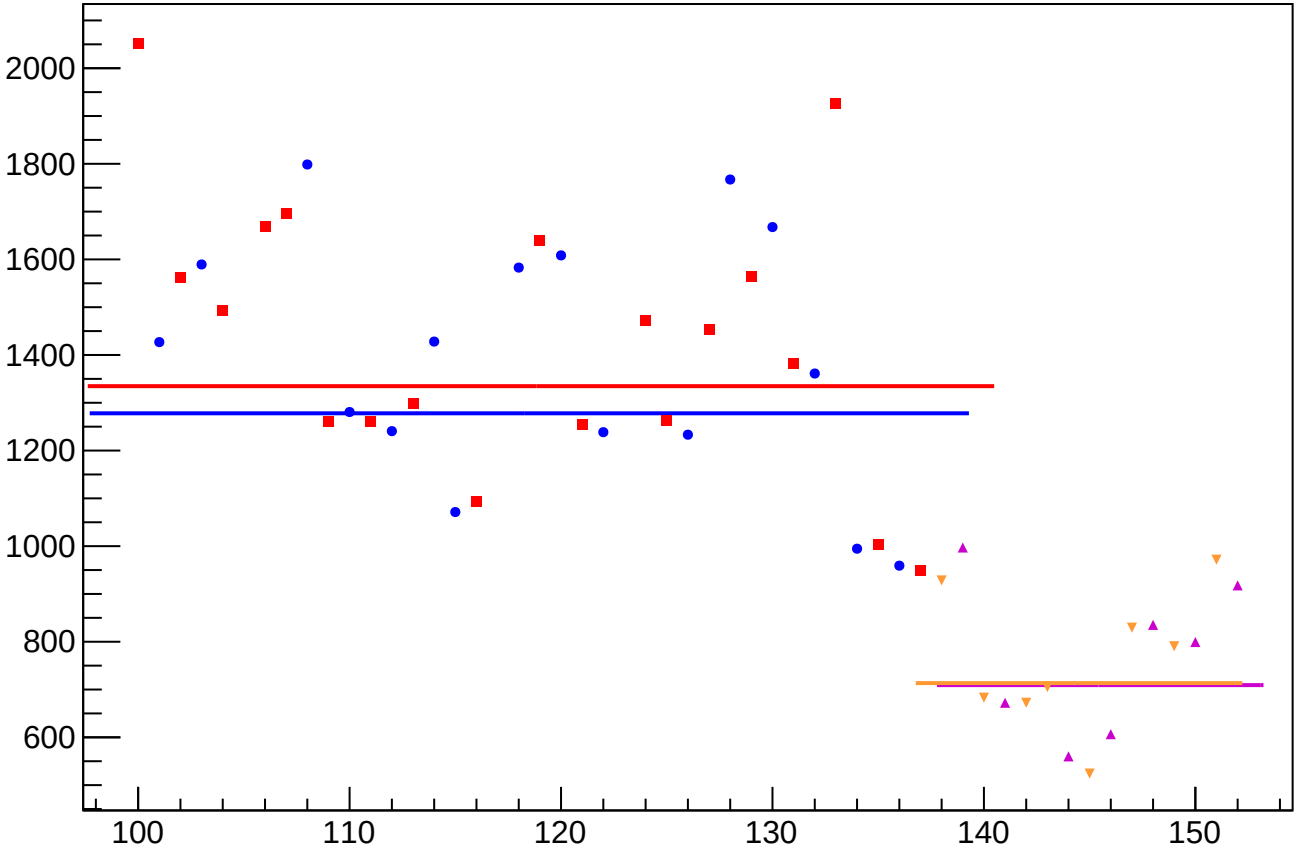
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 40.398+/-251.528 χ^2/NDF:28.5/22

Out: 567.807+/-253.033 χ^2/NDF:42.2/26

All: 302.530+/-178.387 χ^2/NDF: 72.9/49

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: 709.267+/-0.208 χ^2/NDF:470765.0/6

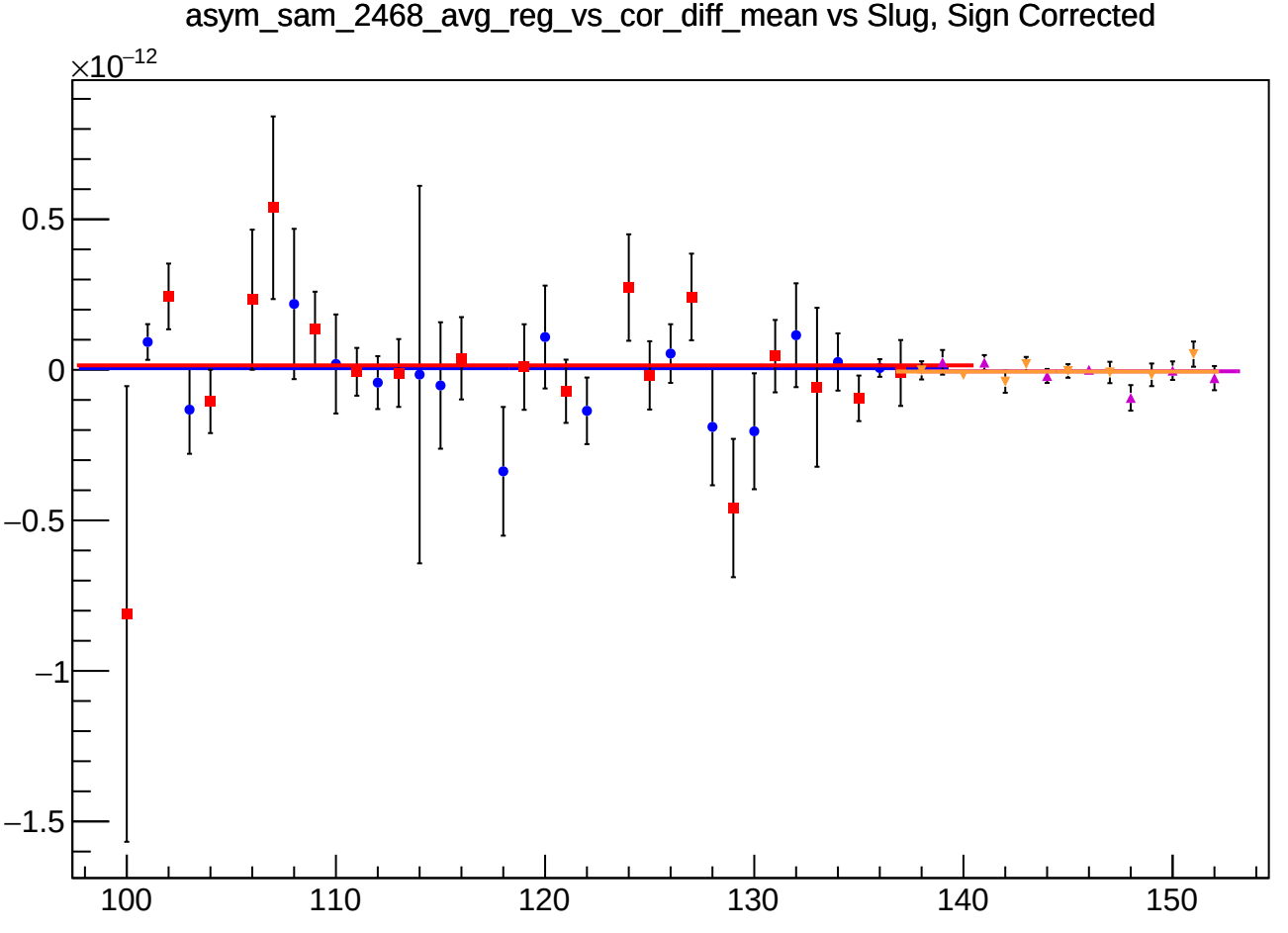
Left: 711.369+/-0.147 χ^2/NDF: 933091.7/14

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 860.206+/-0.178 χ^2/NDF:3061849.4/22

Out: 873.839+/-0.179 χ^2/NDF:3243015.0/26

All: 866.982+/-0.126 χ^2/NDF: 6307784.6/49



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:7.1/6

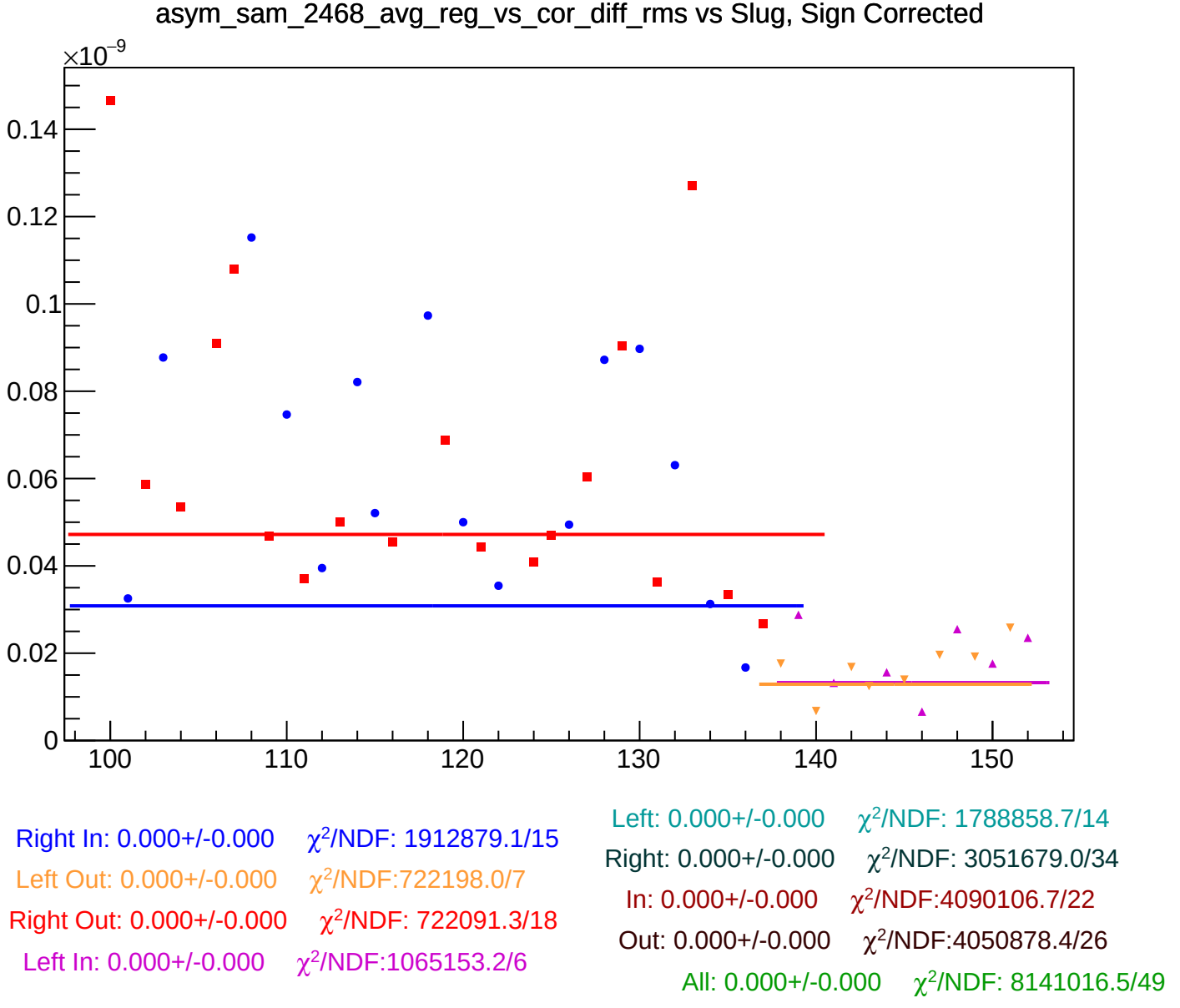
Left: -0.000+/-0.000 χ^2/NDF: 11.6/14

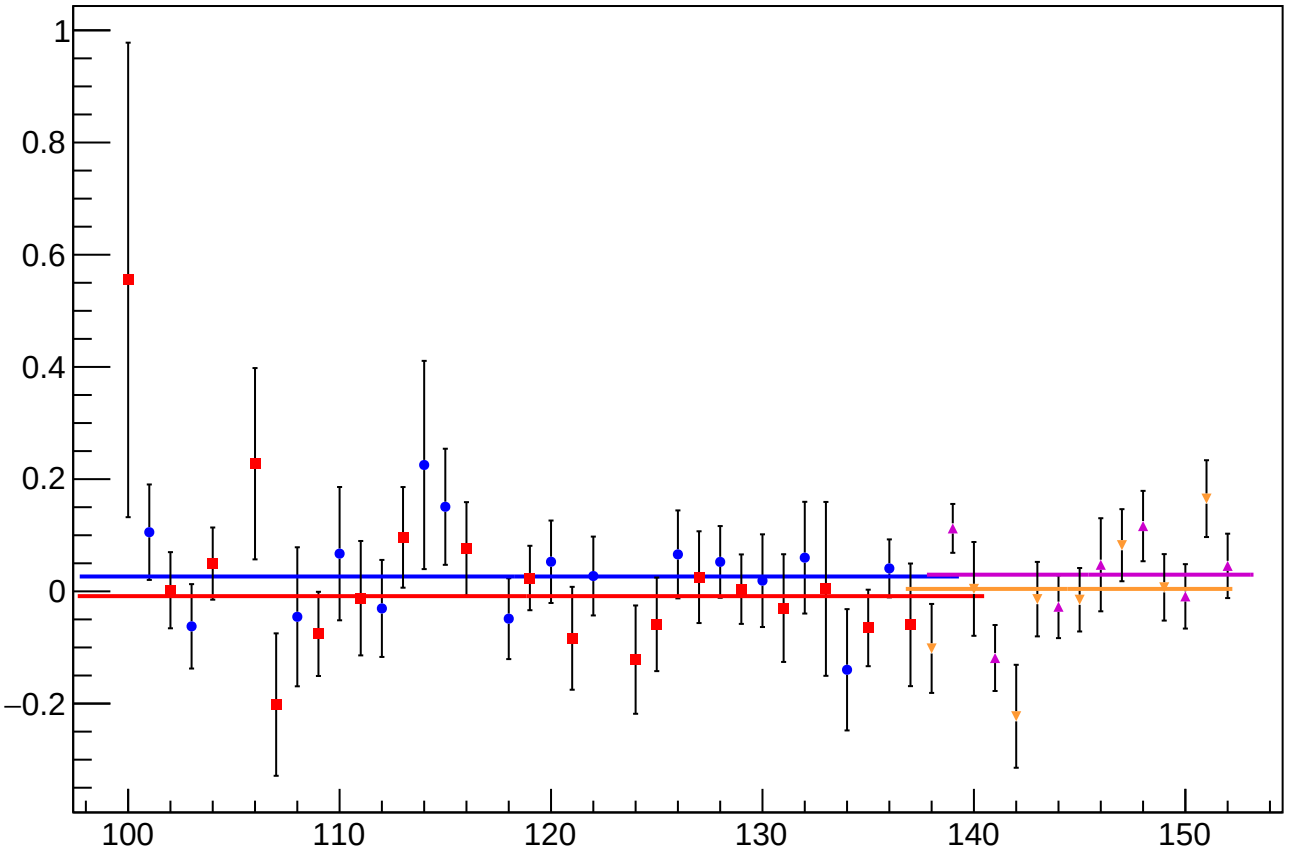
Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:18.9/22

Out: -0.000+/-0.000 χ^2/NDF:28.8/26

All: -0.000+/-0.000 χ^2/NDF: 47.7/49


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:1065153.2/6
Left: 0.000+/-0.000 χ²/NDF: 1788858.7/14
Right: 0.000+/-0.000 χ²/NDF: 3051679.0/34
In: 0.000+/-0.000 χ²/NDF:4090106.7/22
Out: 0.000+/-0.000 χ²/NDF:4050878.4/26
All: 0.000+/-0.000 χ²/NDF: 8141016.5/49



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: 0.030+/-0.022 χ^2/NDF:13.5/6

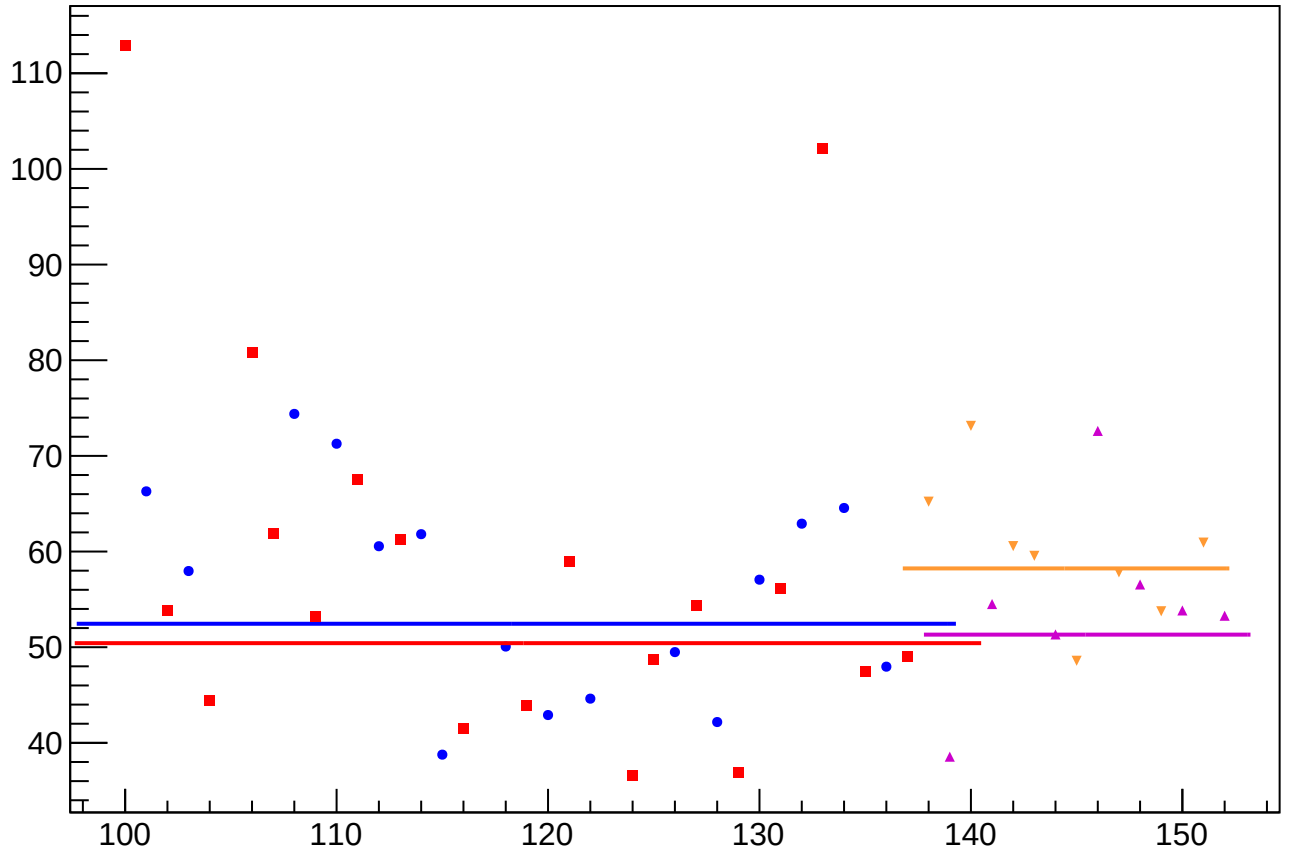
Left: 0.018+/-0.016 χ^2/NDF: 29.2/14

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.028+/-0.015 χ^2/NDF:23.4/22

Out: -0.003+/-0.015 χ^2/NDF:29.2/26

All: 0.013+/-0.011 χ^2/NDF: 54.9/49



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: 51.314+/-0.015 χ^2/NDF:329592.2/6

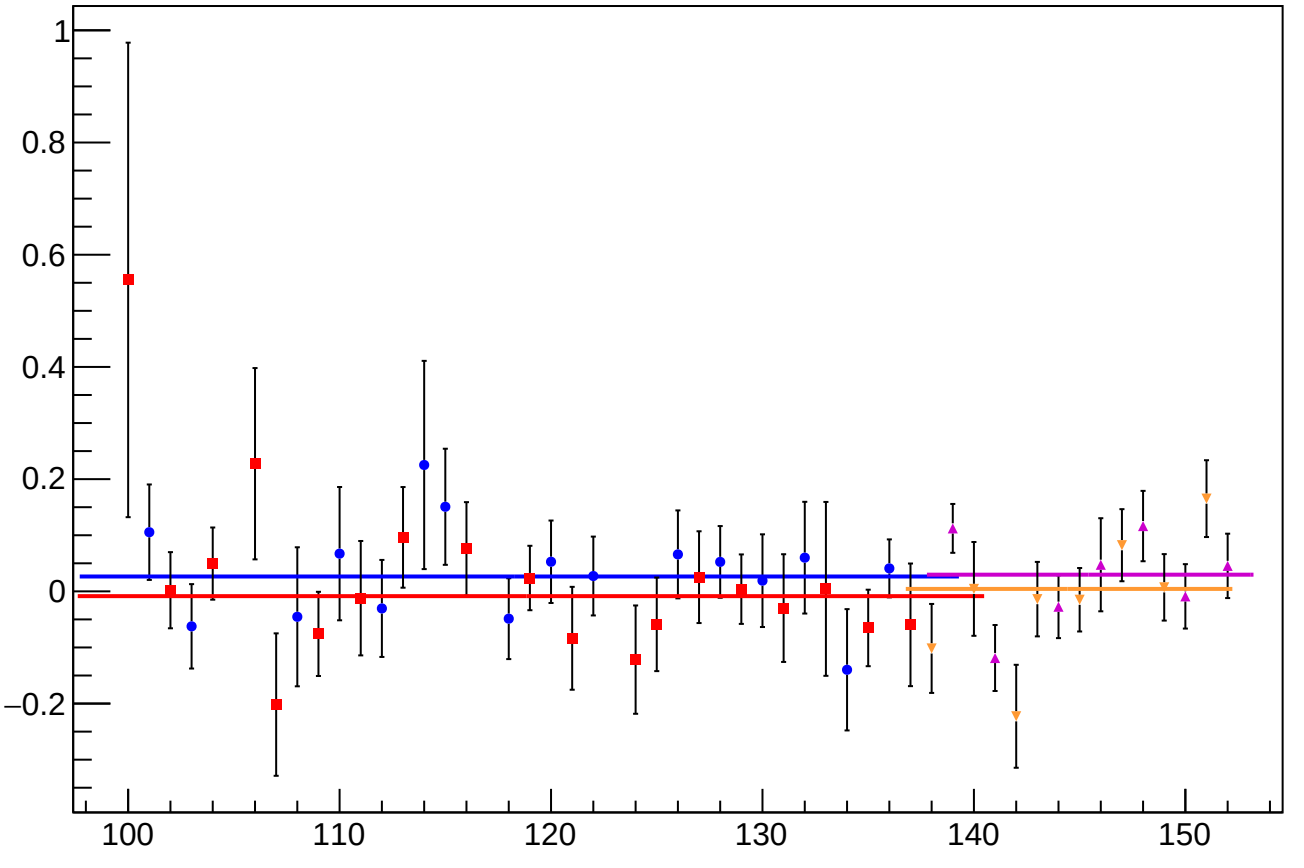
Left: 54.378+/-0.011 χ^2/NDF: 574431.6/14

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.915+/-0.010 χ^2/NDF:750532.0/22

Out: 53.487+/-0.011 χ^2/NDF:956953.9/26

All: 52.683+/-0.008 χ^2/NDF: 1718455.1/49



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: 0.030+/-0.022 χ^2/NDF:13.5/6

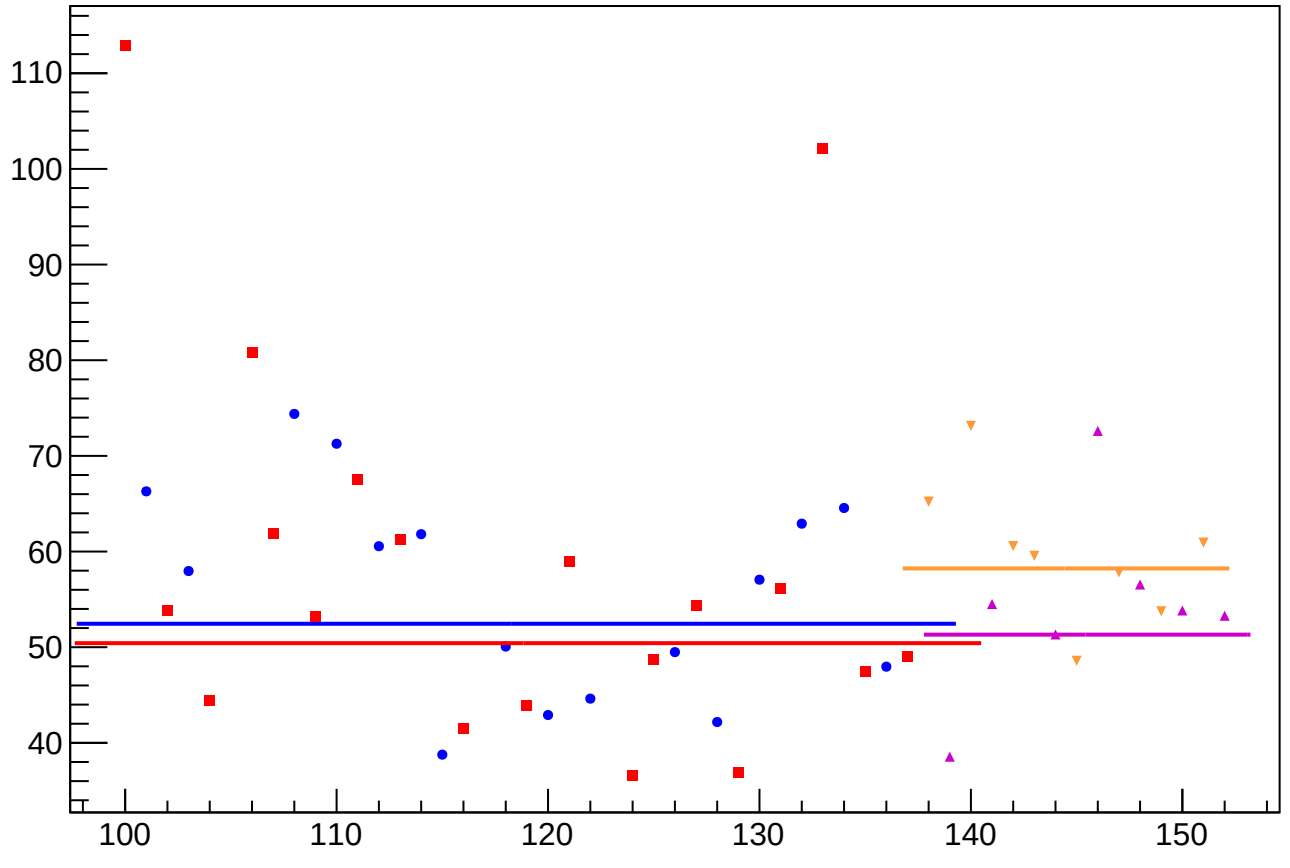
Left: 0.018+/-0.016 χ^2/NDF: 29.2/14

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.028+/-0.015 χ^2/NDF:23.4/22

Out: -0.003+/-0.015 χ^2/NDF:29.2/26

All: 0.013+/-0.011 χ^2/NDF: 54.9/49



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: 51.314+/-0.015 χ^2/NDF:329592.2/6

Left: 54.378+/-0.011 χ^2/NDF: 574431.6/14

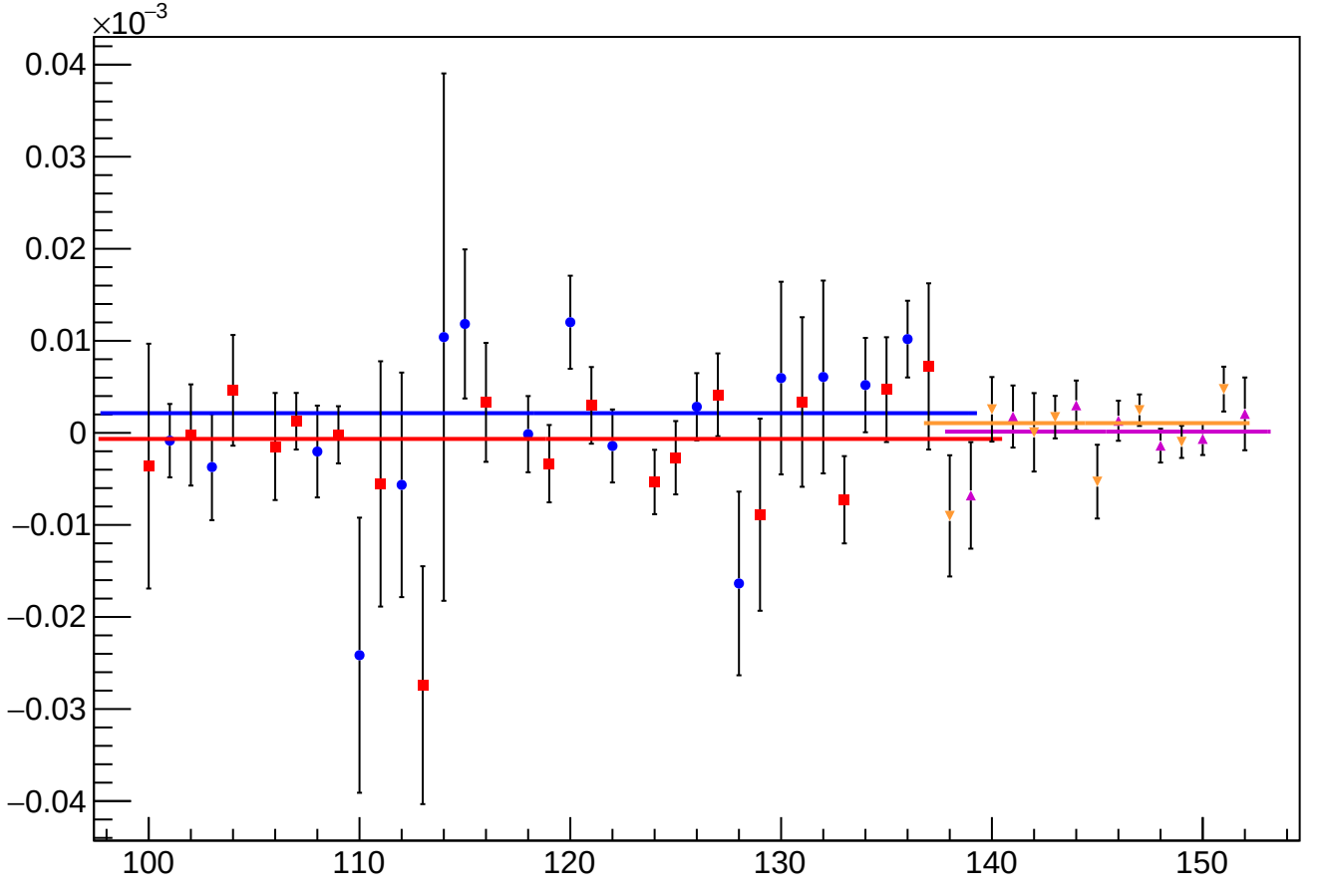
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.915+/-0.010 χ^2/NDF:750532.0/22

Out: 53.487+/-0.011 χ^2/NDF:956953.9/26

All: 52.683+/-0.008 χ^2/NDF: 1718455.1/49

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/7

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:4.2/6

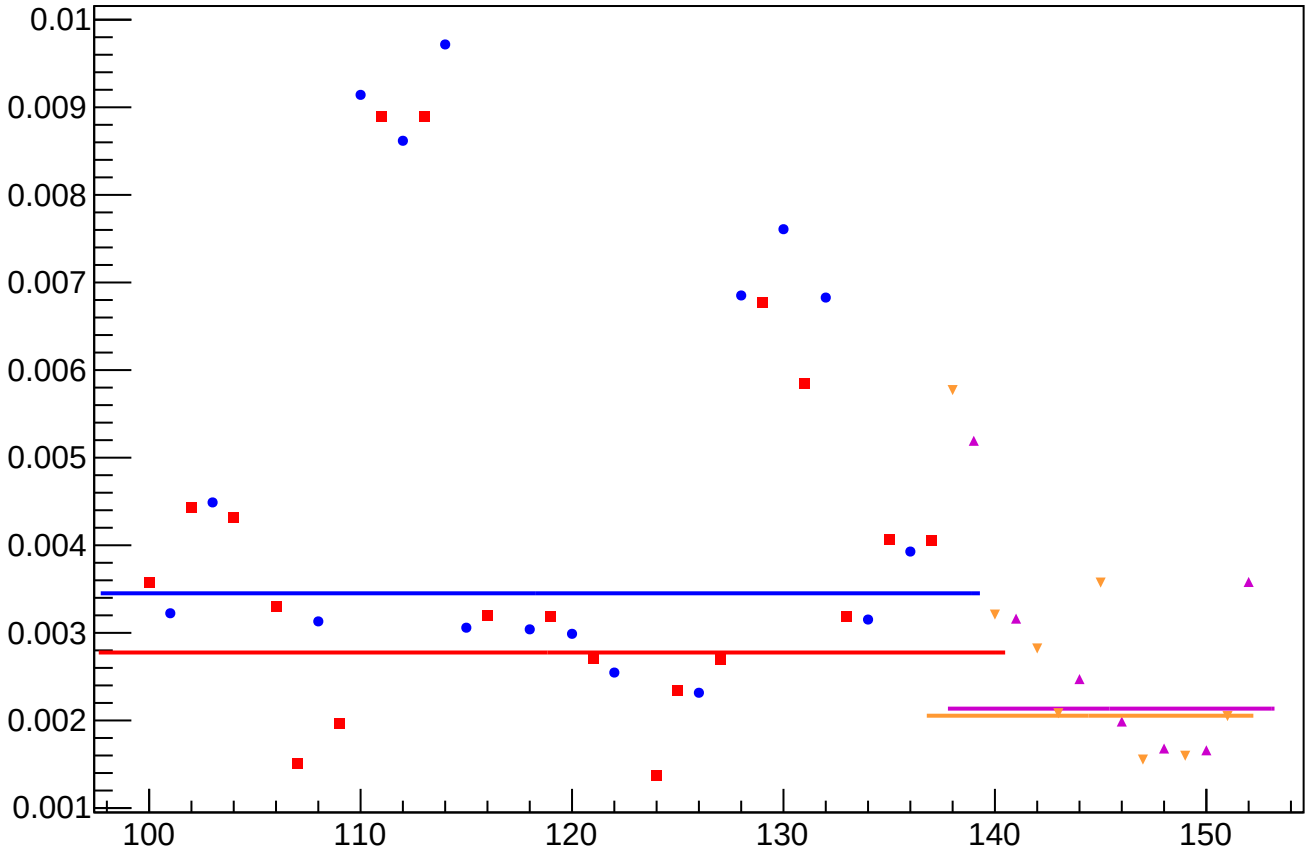
Left: 0.000+/-0.000 χ^2/NDF: 14.2/14

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:25.7/22

Out: 0.000+/-0.000 χ^2/NDF:25.7/26

All: 0.000+/-0.000 χ^2/NDF: 51.6/49



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:1322497.9/6

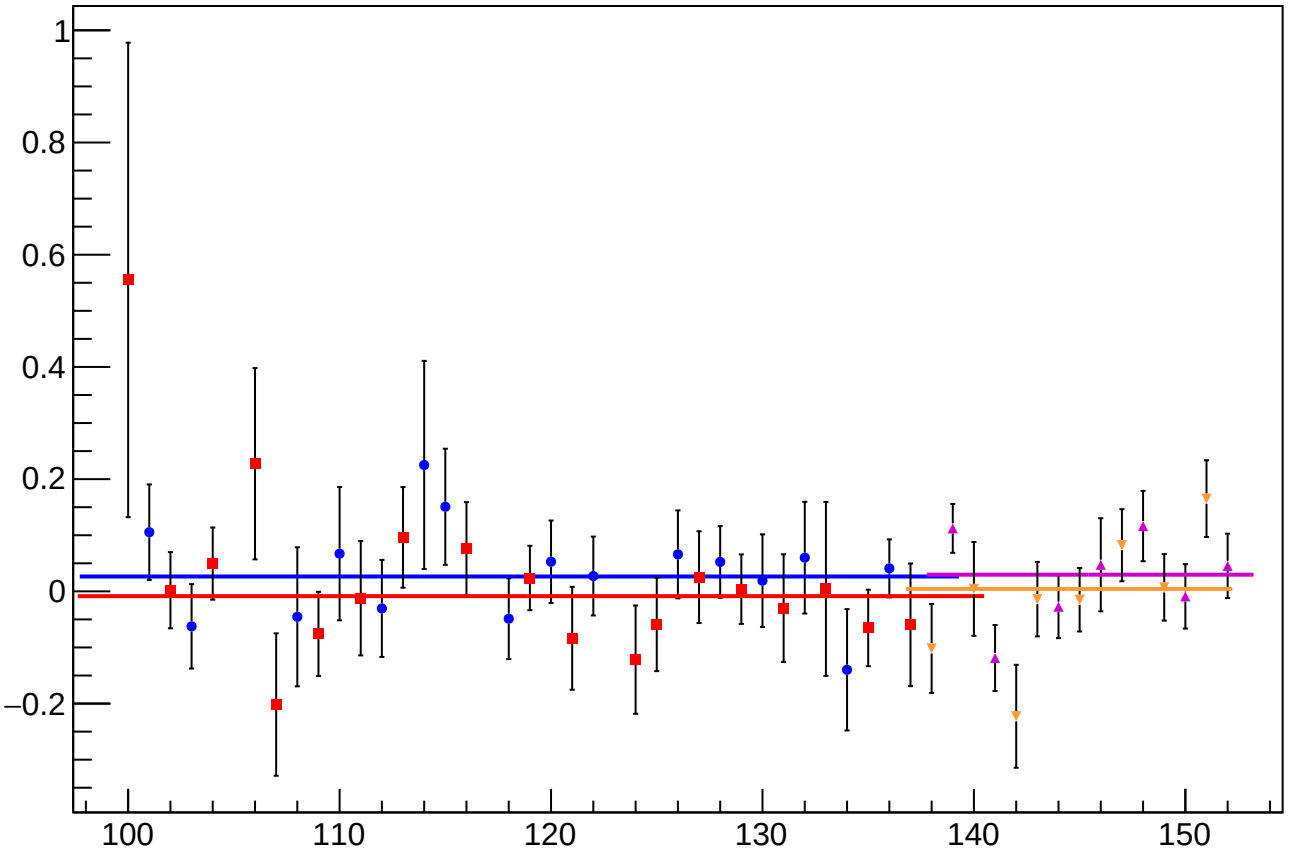
Left: 0.002+/-0.000 χ^2/NDF: 2845827.3/14

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:4517324.8/22

Out: 0.002+/-0.000 χ^2/NDF:4741434.9/26

All: 0.002+/-0.000 χ^2/NDF: 9345149.7/49



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: 0.030+/-0.022 χ^2/NDF:13.5/6

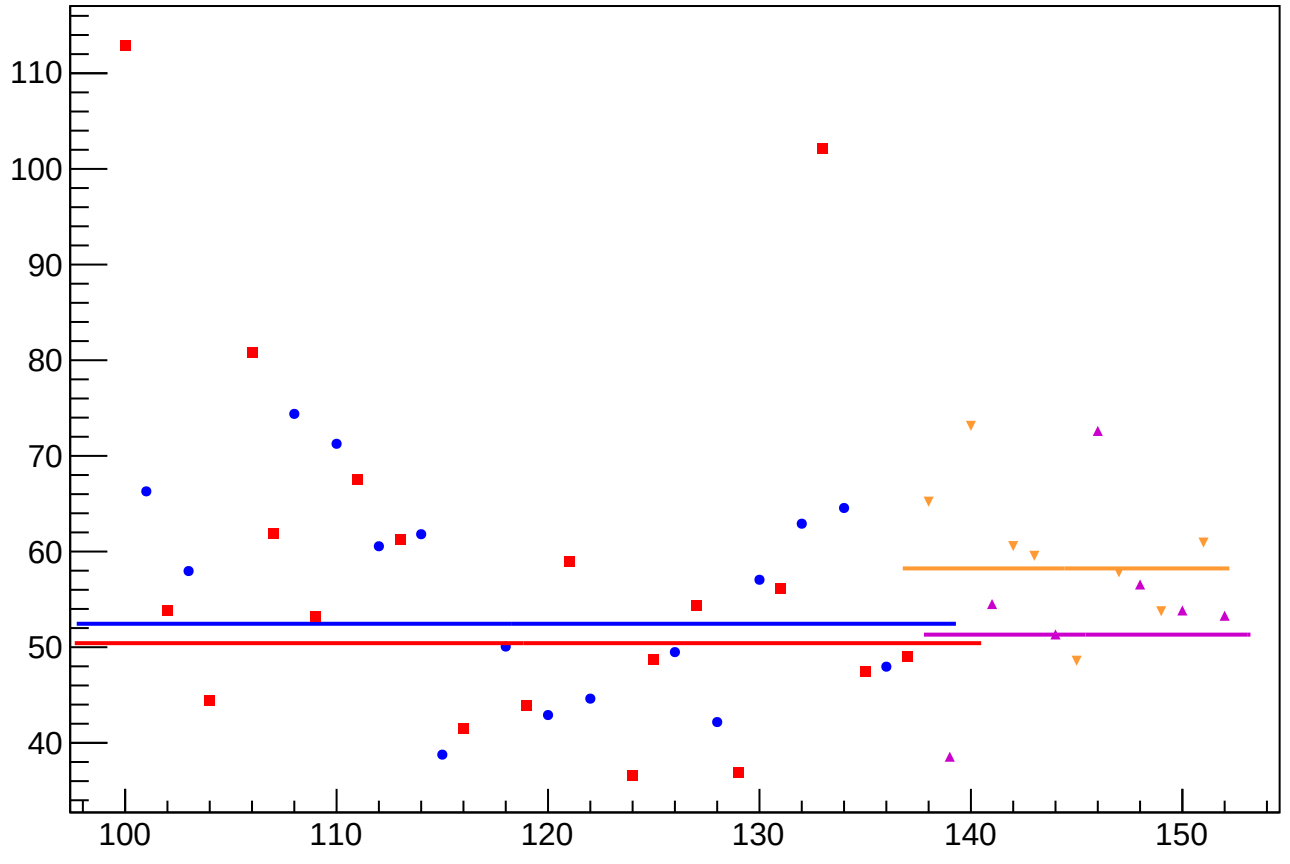
Left: 0.018+/-0.016 χ^2/NDF: 29.2/14

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.028+/-0.015 χ^2/NDF:23.4/22

Out: -0.003+/-0.015 χ^2/NDF:29.2/26

All: 0.013+/-0.011 χ^2/NDF: 54.9/49



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: 51.315+/-0.015 χ^2/NDF:329640.0/6

Left: 54.378+/-0.011 χ^2/NDF: 574464.3/14

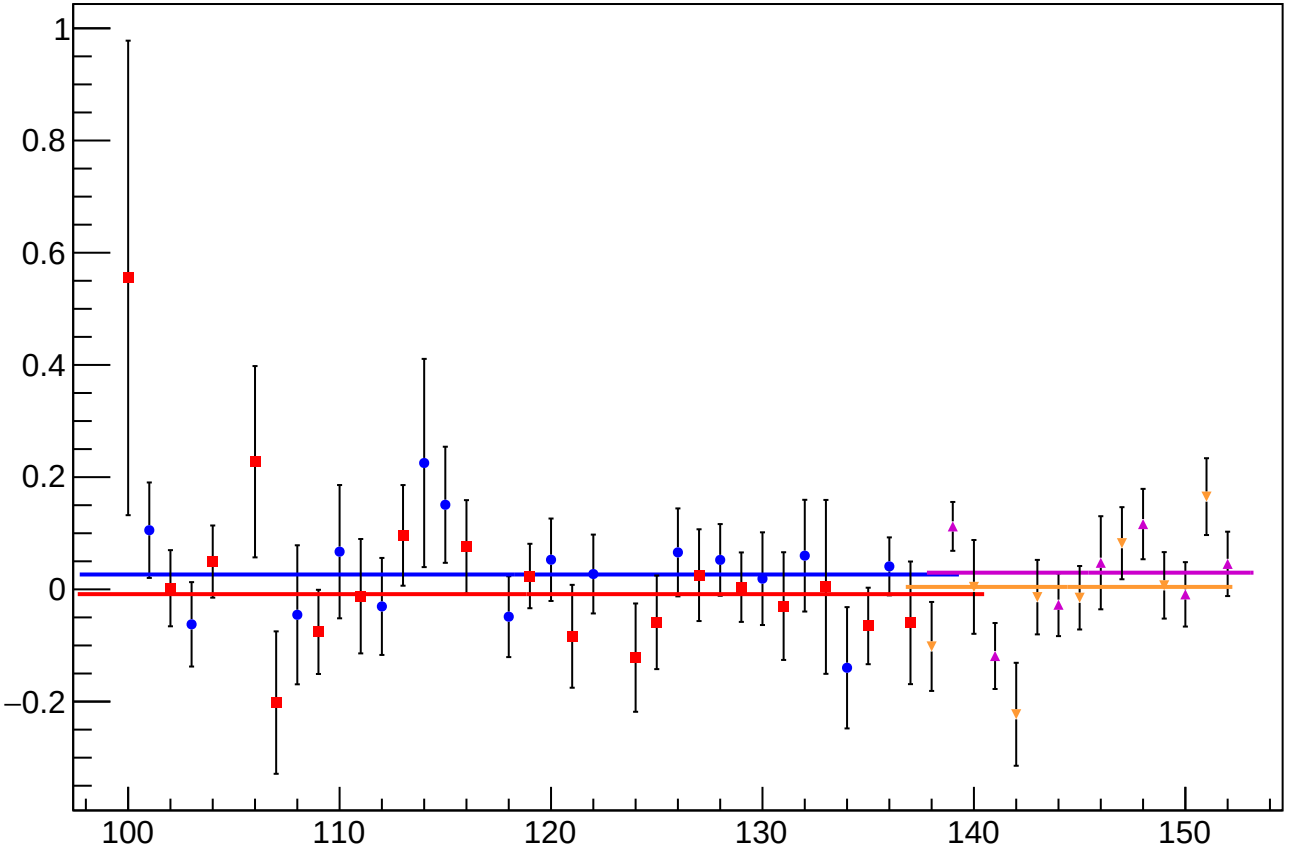
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.915+/-0.010 χ^2/NDF:750526.1/22

Out: 53.487+/-0.011 χ^2/NDF:956991.8/26

All: 52.682+/-0.008 χ^2/NDF: 1718487.0/49

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.024 χ^2/NDF:15.1/7

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.030+/-0.022 χ^2/NDF:13.5/6

Left: 0.018+/-0.016 χ^2/NDF: 29.2/14

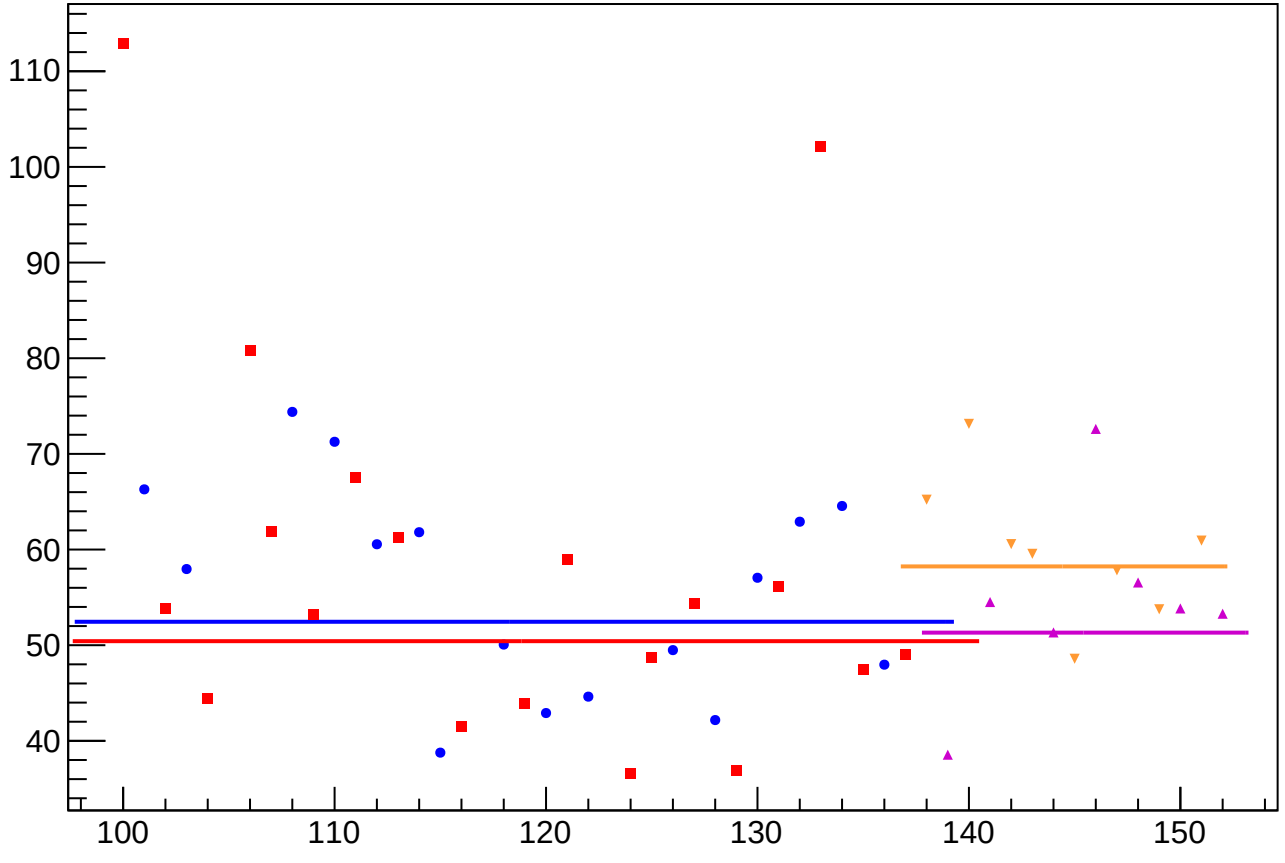
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.028+/-0.015 χ^2/NDF:23.4/22

Out: -0.003+/-0.015 χ^2/NDF:29.2/26

All: 0.013+/-0.011 χ^2/NDF: 54.9/49

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: 51.315+/-0.015 χ^2/NDF:329640.0/6

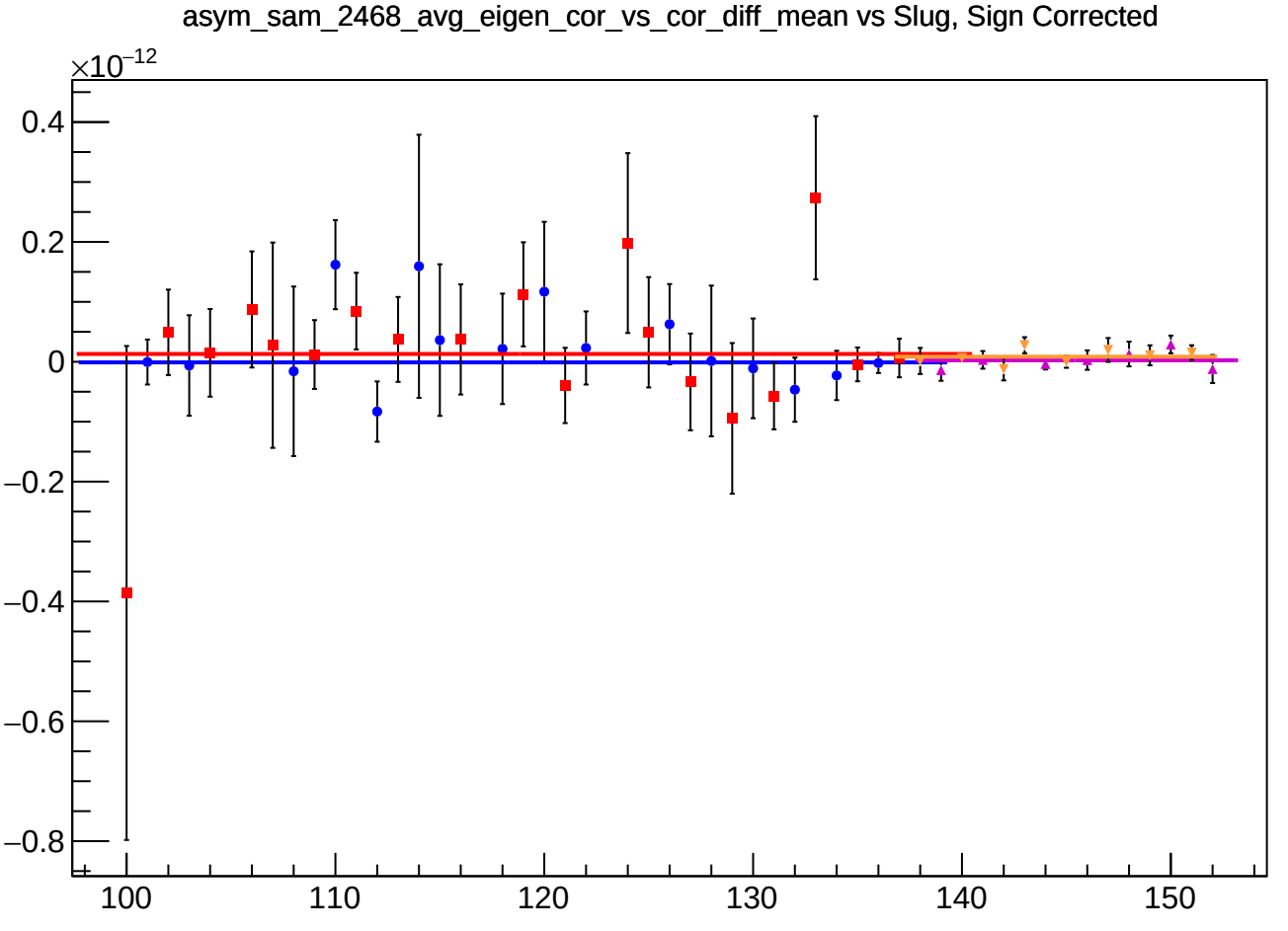
Left: 54.378+/-0.011 χ^2/NDF: 574464.3/14

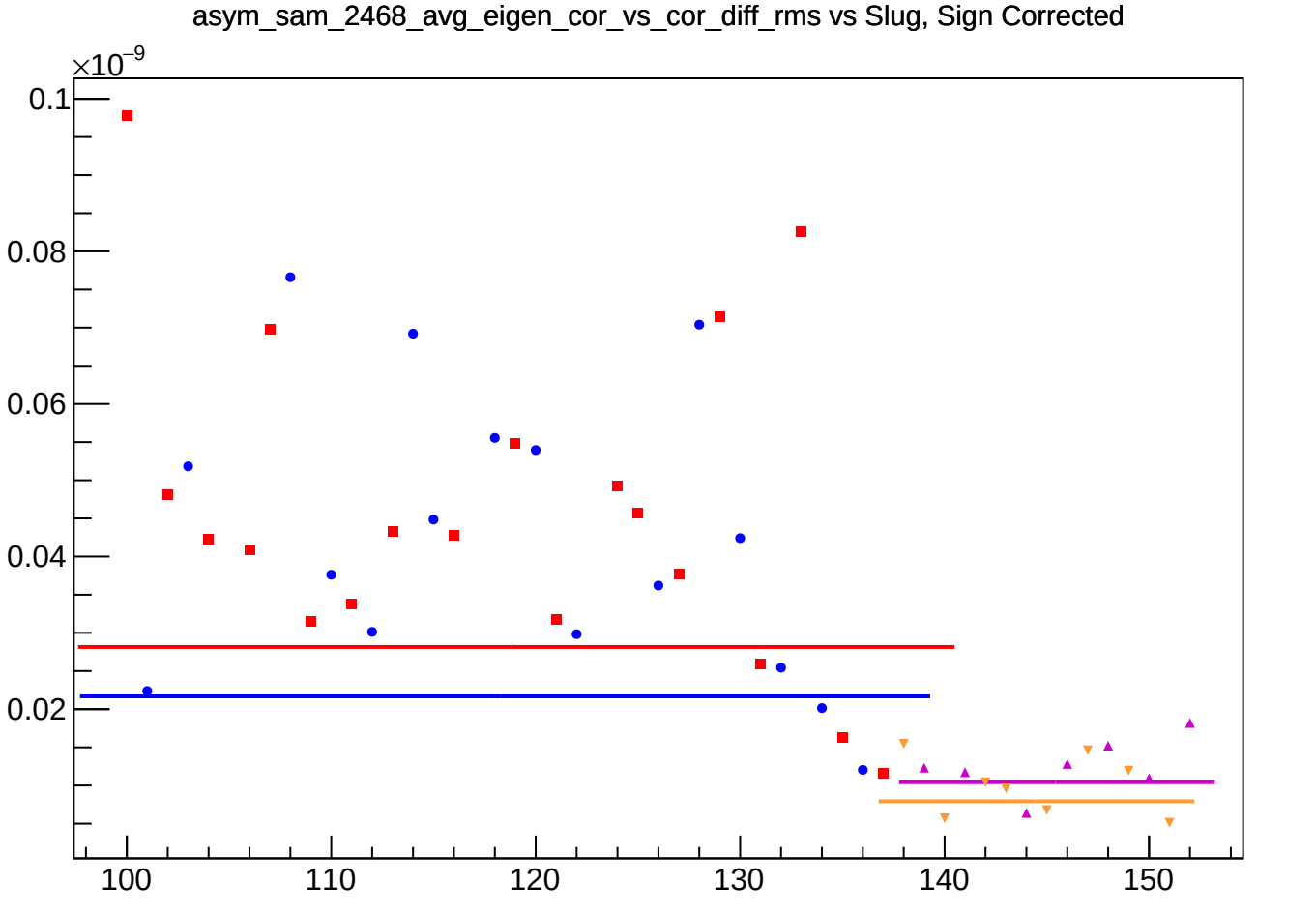
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

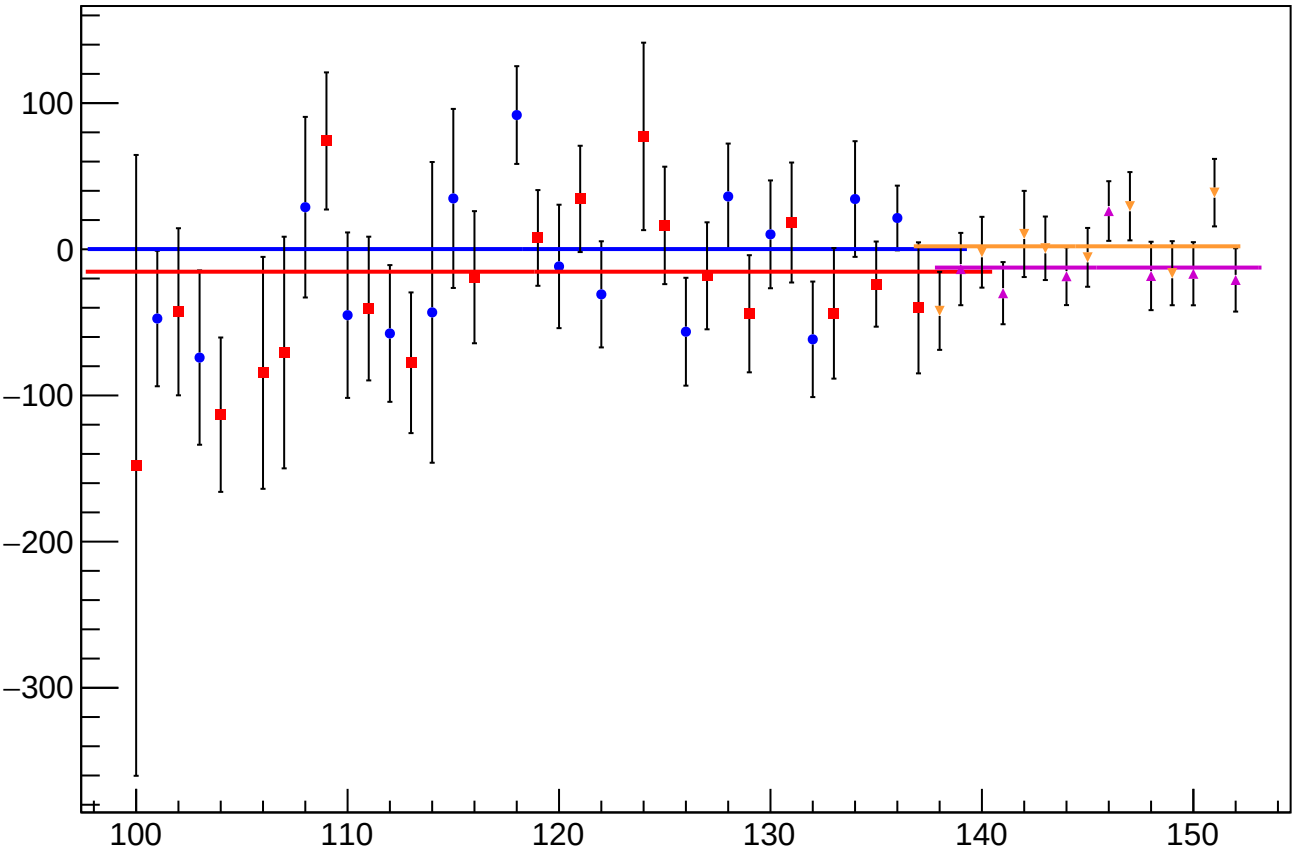
In: 51.915+/-0.010 χ^2/NDF:750526.1/22

Out: 53.487+/-0.011 χ^2/NDF:956991.8/26

All: 52.682+/-0.008 χ^2/NDF: 1718487.0/49


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:4.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: 0.000+/-0.000 χ²/NDF:5.2/6
Left: 0.000+/-0.000 χ²/NDF: 10.6/14
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:16.5/22
Out: 0.000+/-0.000 χ²/NDF:18.5/26
All: 0.000+/-0.000 χ²/NDF: 36.1/49


asym_sam_2468_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: 2522749.6/15
Left Out: 0.000+/-0.000 χ²/NDF:925972.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 2381736.6/18
Left In: 0.000+/-0.000 χ²/NDF:807224.4/6
Left: 0.000+/-0.000 χ²/NDF: 1977012.2/14
Right: 0.000+/-0.000 χ²/NDF: 5141383.5/34
In: 0.000+/-0.000 χ²/NDF:4780269.8/22
Out: 0.000+/-0.000 χ²/NDF:6847923.4/26
All: 0.000+/-0.000 χ²/NDF: 11950100.0/49



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: -12.513+/-8.191 χ^2/NDF:4.6/6

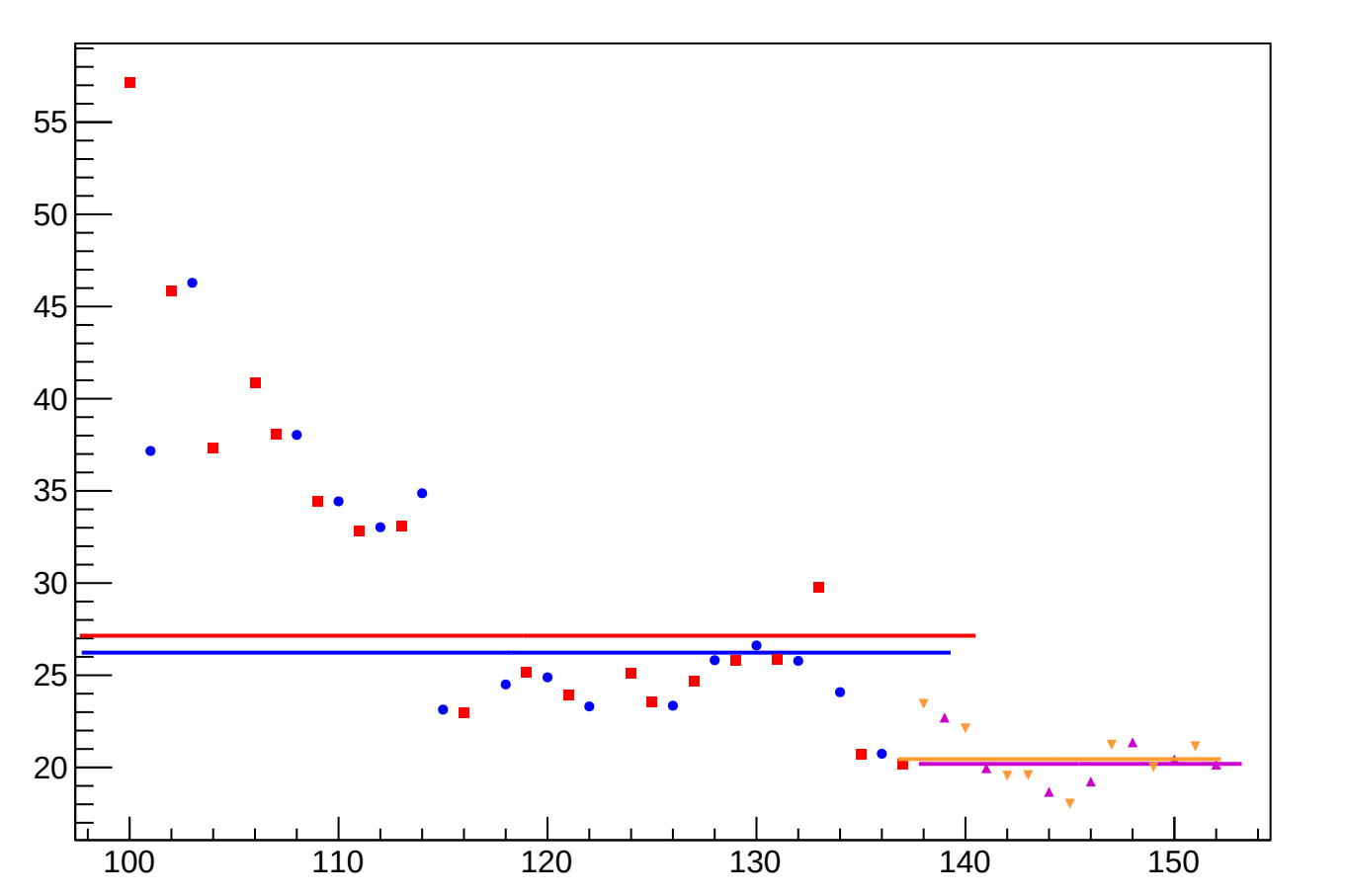
Left: -5.302+/-5.818 χ^2/NDF: 13.8/14

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -7.456+/-6.349 χ^2/NDF:26.9/22

Out: -4.791+/-6.438 χ^2/NDF:27.3/26

All: -6.142+/-4.520 χ^2/NDF: 54.3/49



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: 20.193+/-0.006 χ^2/NDF:42287.2/6

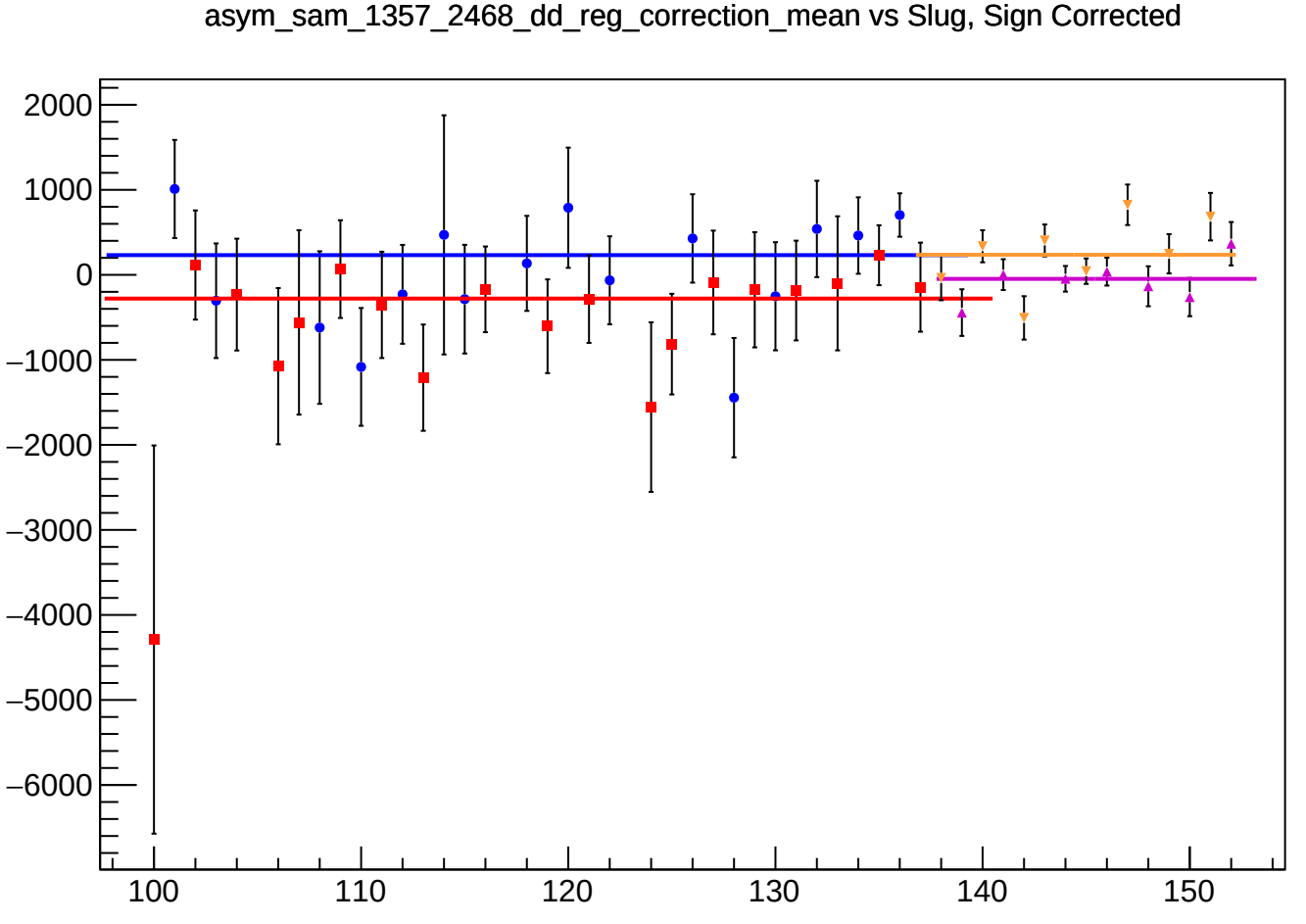
Left: 20.322+/-0.004 χ^2/NDF: 116635.0/14

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 22.602+/-0.004 χ^2/NDF:1151578.1/22

Out: 23.084+/-0.005 χ^2/NDF:1344472.1/26

All: 22.840+/-0.003 χ^2/NDF: 2501732.2/49



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: -47.353+/-74.945 χ^2/NDF:6.1/6

Left: 94.933+/-52.847 χ^2/NDF: 34.2/14

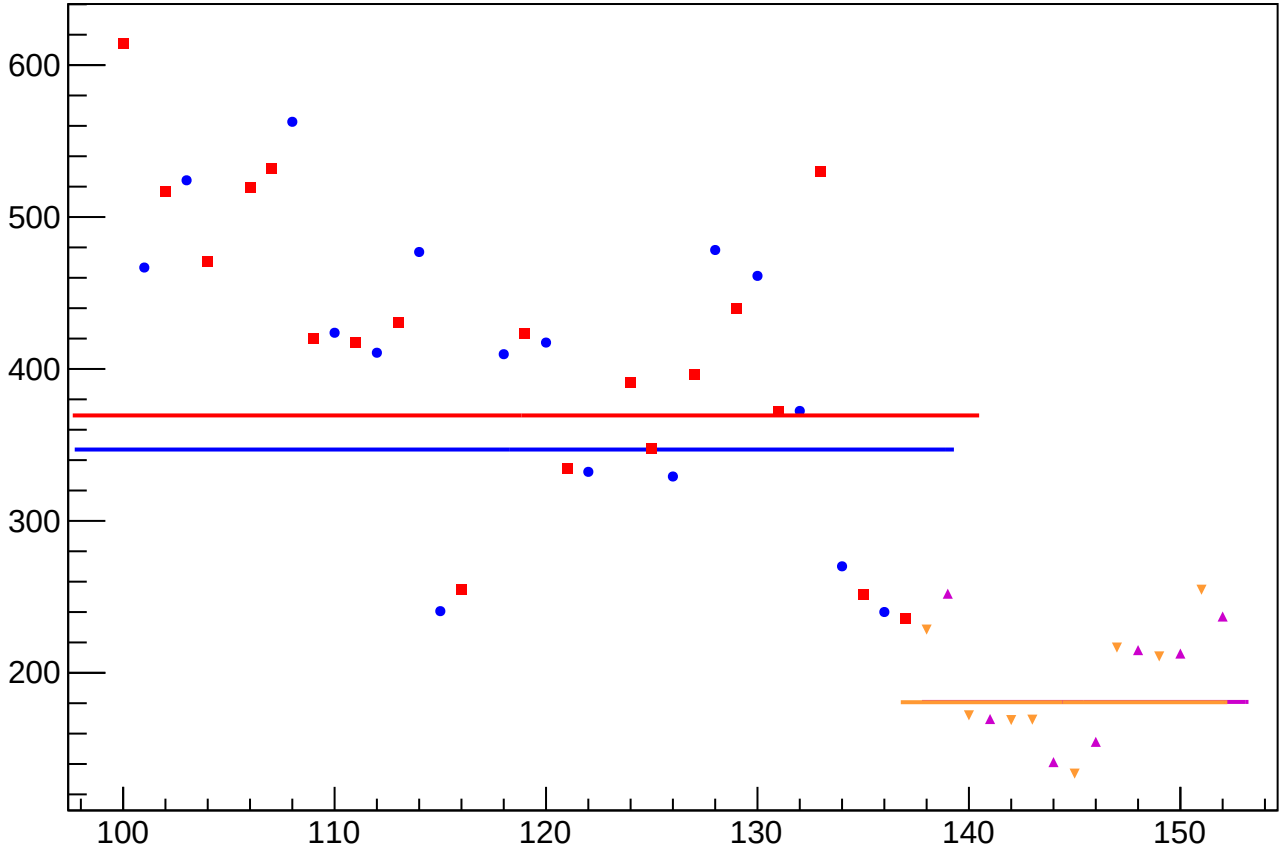
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 18.577+/-65.511 χ^2/NDF:29.0/22

Out: 121.948+/-65.785 χ^2/NDF:43.6/26

All: 70.046+/-46.420 χ^2/NDF: 73.8/49

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: 180.845+/-0.053 χ^2/NDF:510662.7/6

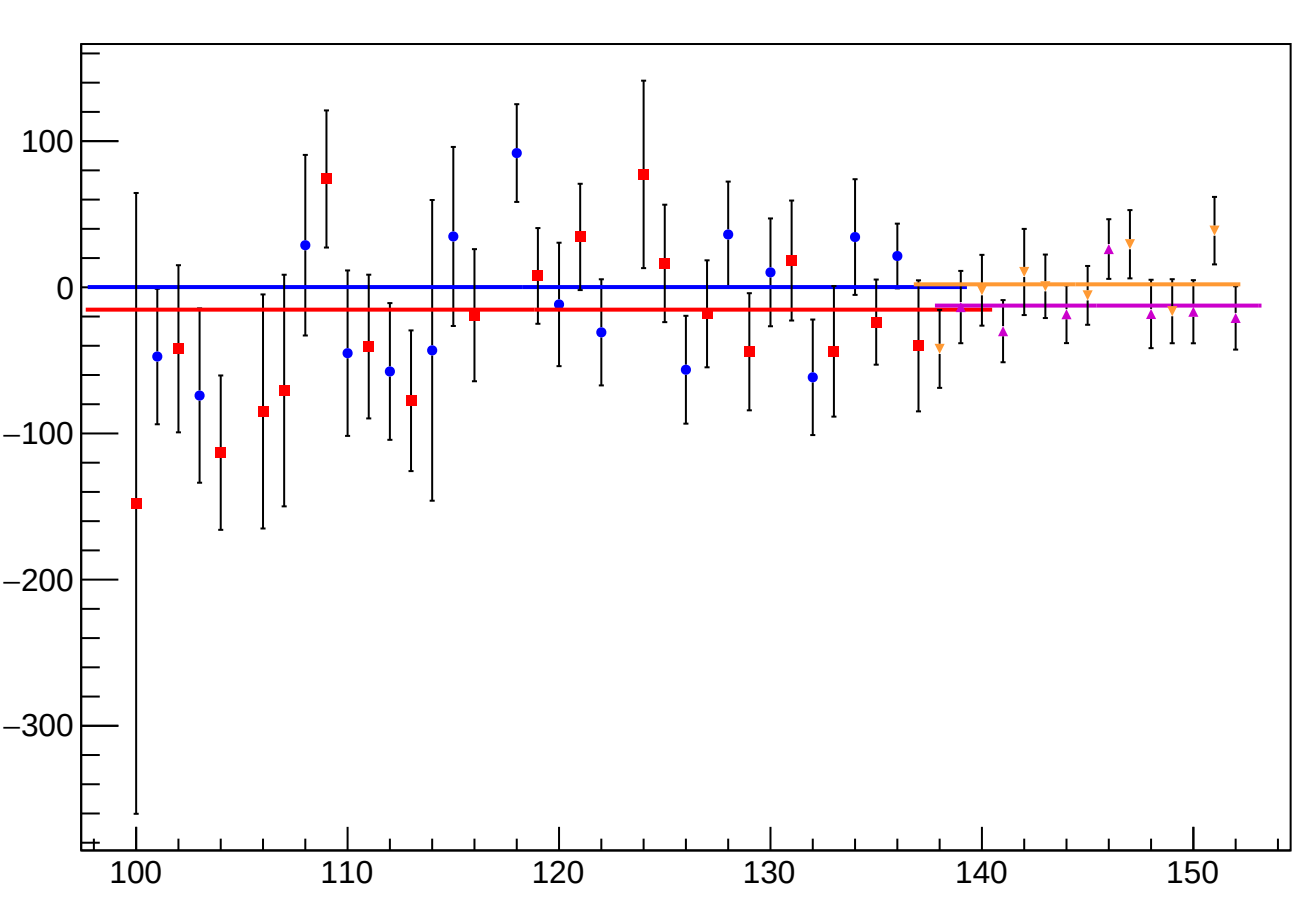
Left: 180.750+/-0.037 χ^2/NDF: 1010011.1/14

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 220.039+/-0.046 χ^2/NDF:3887101.5/22

Out: 222.354+/-0.047 χ^2/NDF:4252008.0/26

All: 221.192+/-0.033 χ^2/NDF: 8140352.8/49



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: -12.515+/-8.191 χ^2/NDF:4.6/6

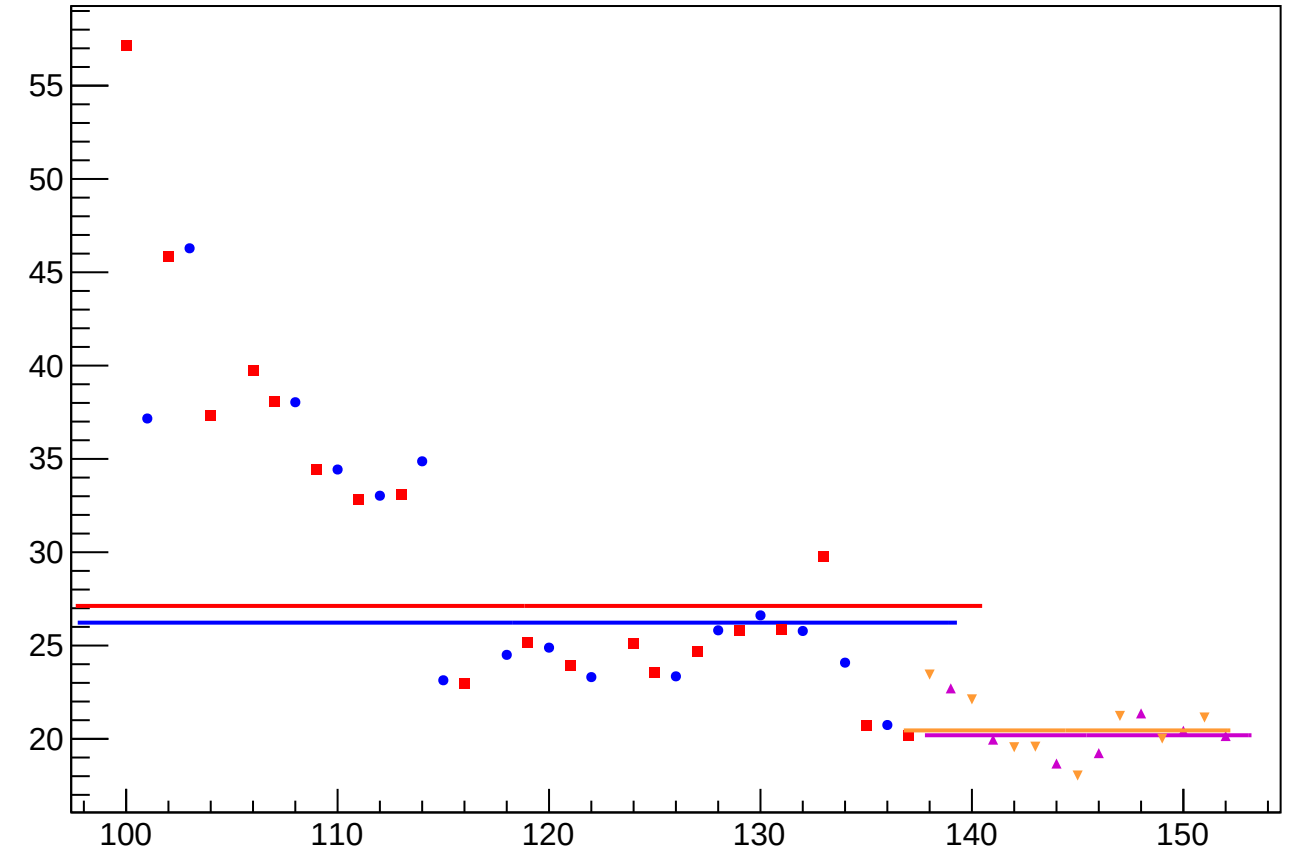
Left: -5.304+/-5.818 χ^2/NDF: 13.8/14

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -7.456+/-6.349 χ^2/NDF:26.9/22

Out: -4.775+/-6.438 χ^2/NDF:27.3/26

All: -6.134+/-4.521 χ^2/NDF: 54.2/49



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: 20.193+/-0.006 χ^2/NDF:42287.2/6

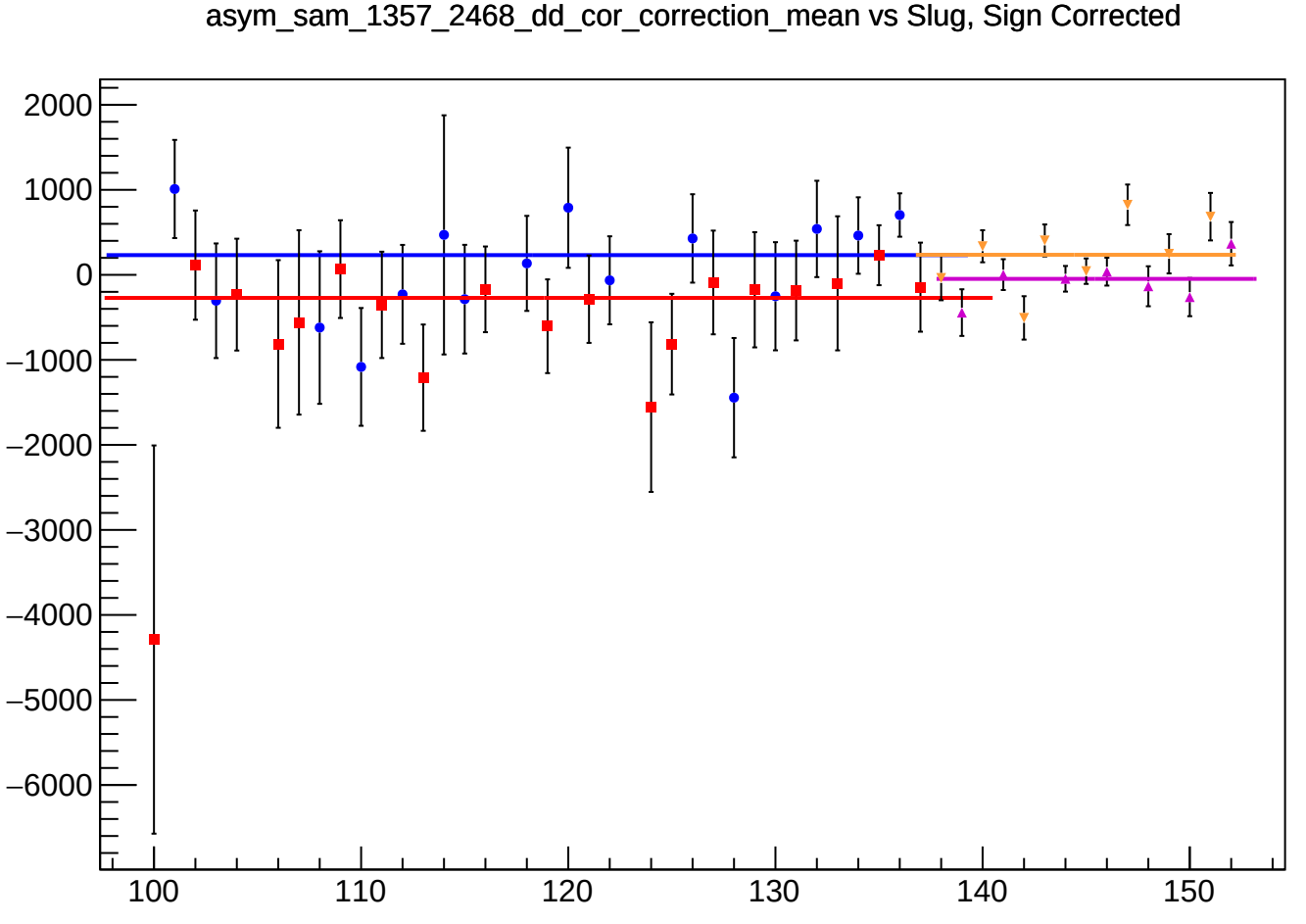
Left: 20.322+/-0.004 χ^2/NDF: 116635.0/14

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 22.602+/-0.004 χ^2/NDF:1151581.4/22

Out: 23.075+/-0.005 χ^2/NDF:1331253.0/26

All: 22.835+/-0.003 χ^2/NDF: 2488302.5/49



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: -47.355+/-74.945 χ^2/NDF:6.1/6

Left: 94.931+/-52.847 χ^2/NDF: 34.2/14

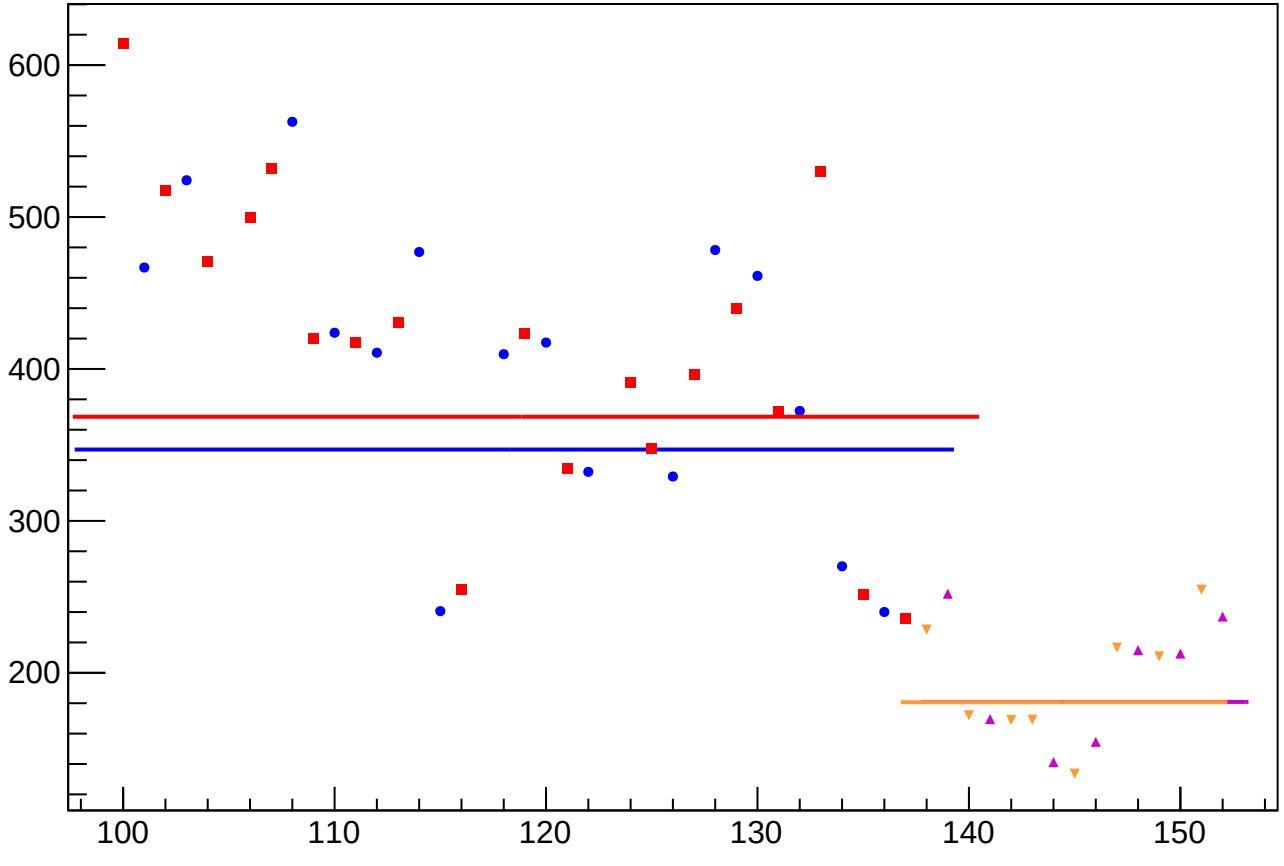
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 18.574+/-65.511 χ^2/NDF:29.0/22

Out: 123.902+/-65.808 χ^2/NDF:42.8/26

All: 71.000+/-46.428 χ^2/NDF: 73.1/49

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: 180.845+/-0.053 χ^2/NDF:510661.6/6

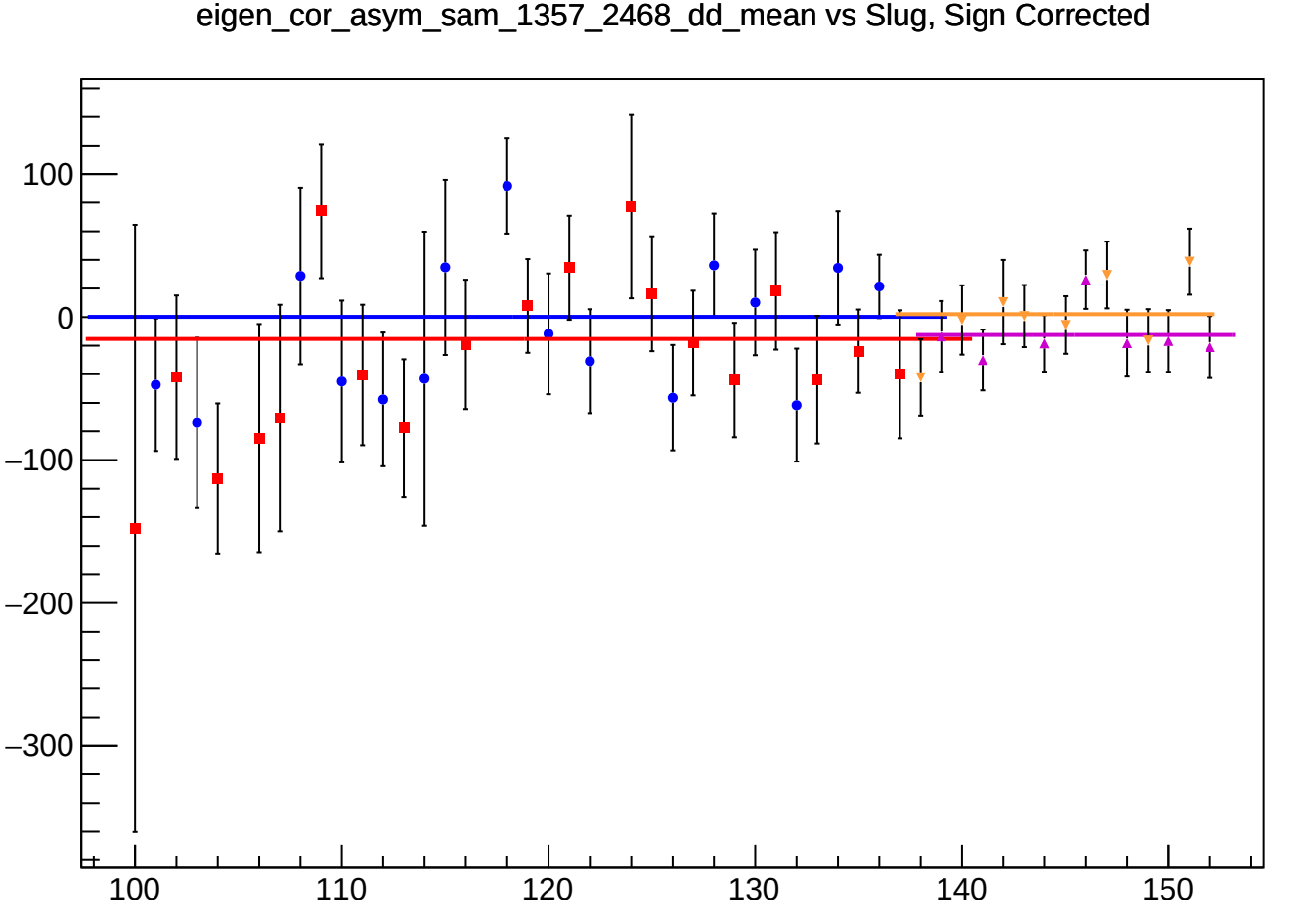
Left: 180.750+/-0.037 χ^2/NDF: 1010012.4/14

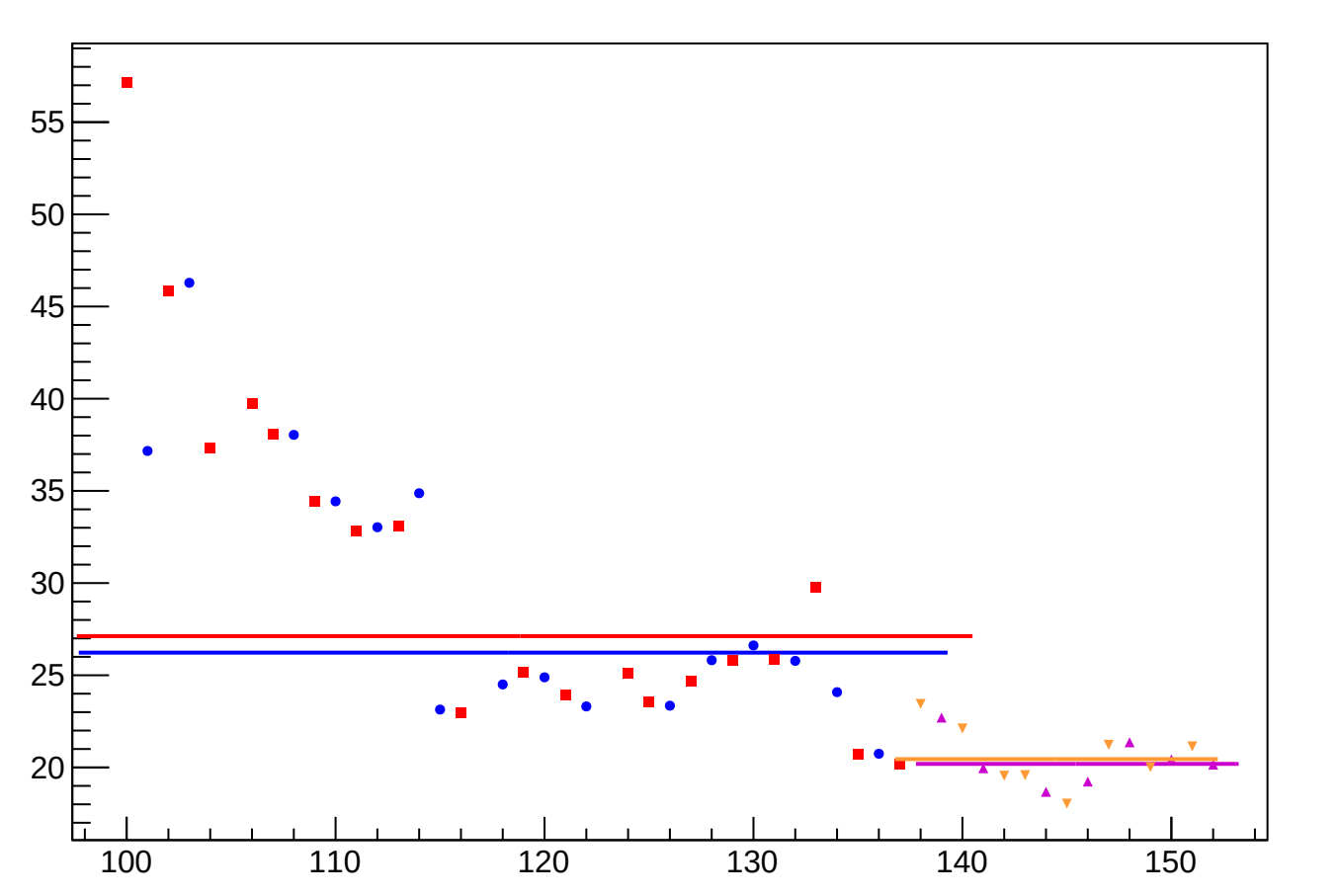
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

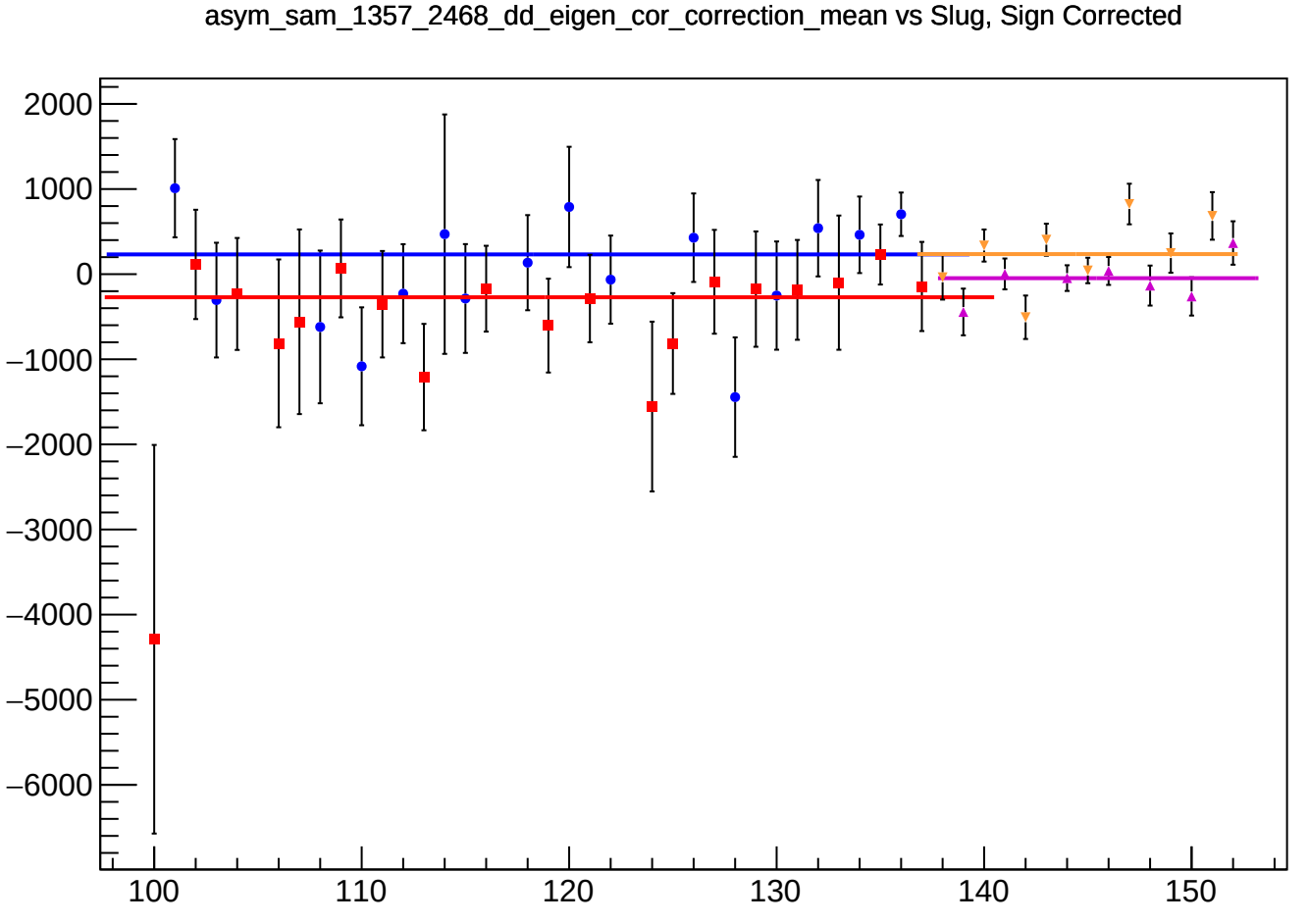
In: 220.039+/-0.046 χ^2/NDF:3887122.7/22

Out: 222.062+/-0.047 χ^2/NDF:4200619.5/26

All: 221.046+/-0.033 χ^2/NDF: 8088691.2/49


eigen_cor_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
Right In: 0.157+/-10.048 χ²/NDF: 21.3/15
Left Out: 2.037+/-8.264 χ²/NDF:7.6/7
Right Out: -15.292+/-10.269 χ²/NDF: 17.9/18
Left In: -12.515+/-8.191 χ²/NDF:4.6/6
Left: -5.304+/-5.818 χ²/NDF: 13.8/14
Right: -7.399+/-7.182 χ²/NDF: 40.4/34
In: -7.456+/-6.349 χ²/NDF:26.9/22
Out: -4.775+/-6.438 χ²/NDF:27.3/26
All: -6.134+/-4.521 χ²/NDF: 54.2/49


eigen_cor_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected
55
50
45
40
35
30
25
20
100
110
120
130
140
150
Right In: 26.227+/-0.007 χ²/NDF: 676029.5/15
Left Out: 20.453+/-0.006 χ²/NDF:73353.4/7
Right Out: 27.123+/-0.007 χ²/NDF: 745675.5/18
Left In: 20.193+/-0.006 χ²/NDF:42287.2/6
Left: 20.322+/-0.004 χ²/NDF: 116635.0/14
Right: 26.665+/-0.005 χ²/NDF: 1429493.5/34
In: 22.602+/-0.004 χ²/NDF:1151581.4/22
Out: 23.075+/-0.005 χ²/NDF:1331253.0/26
All: 22.835+/-0.003 χ²/NDF: 2488302.5/49



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: -47.355+/-74.945 χ^2/NDF:6.1/6

Left: 94.931+/-52.847 χ^2/NDF: 34.2/14

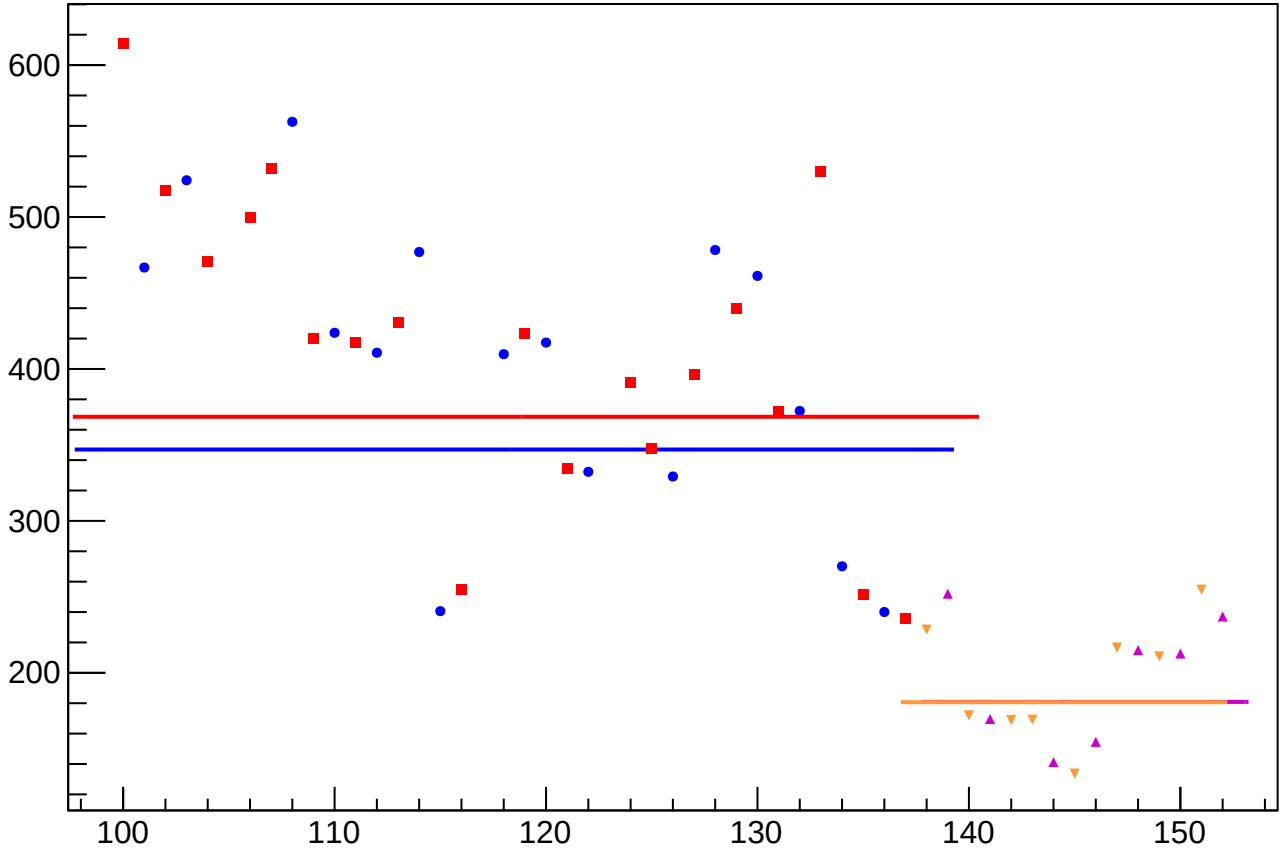
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 18.574+/-65.511 χ^2/NDF:29.0/22

Out: 123.902+/-65.808 χ^2/NDF:42.8/26

All: 71.000+/-46.428 χ^2/NDF: 73.1/49

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: 180.845+/-0.053 χ^2/NDF:510661.6/6

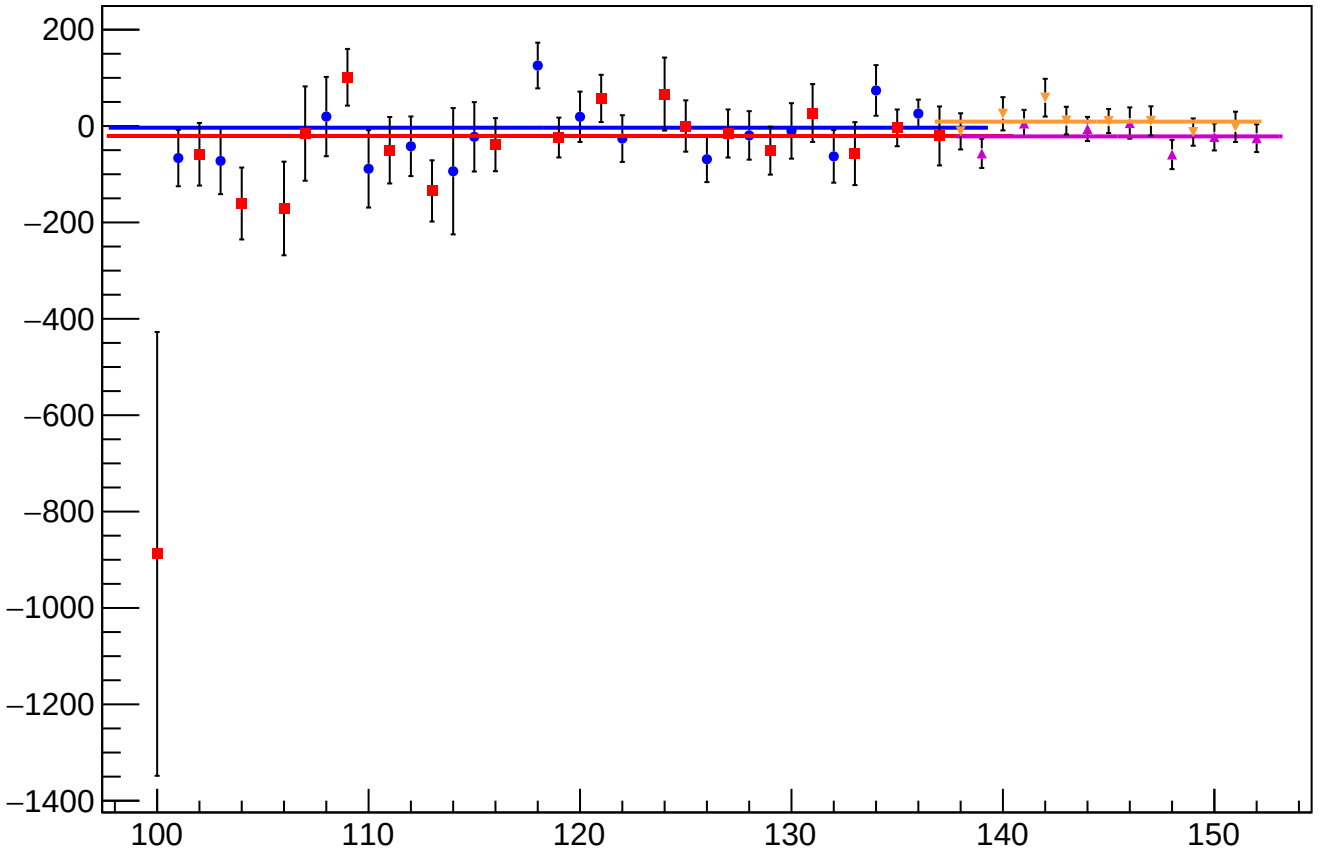
Left: 180.750+/-0.037 χ^2/NDF: 1010012.4/14

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 220.039+/-0.046 χ^2/NDF:3887122.7/22

Out: 222.062+/-0.047 χ^2/NDF:4200619.5/26

All: 221.046+/-0.033 χ^2/NDF: 8088691.2/49



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: -21.459+/-10.869 χ^2/NDF:4.9/6

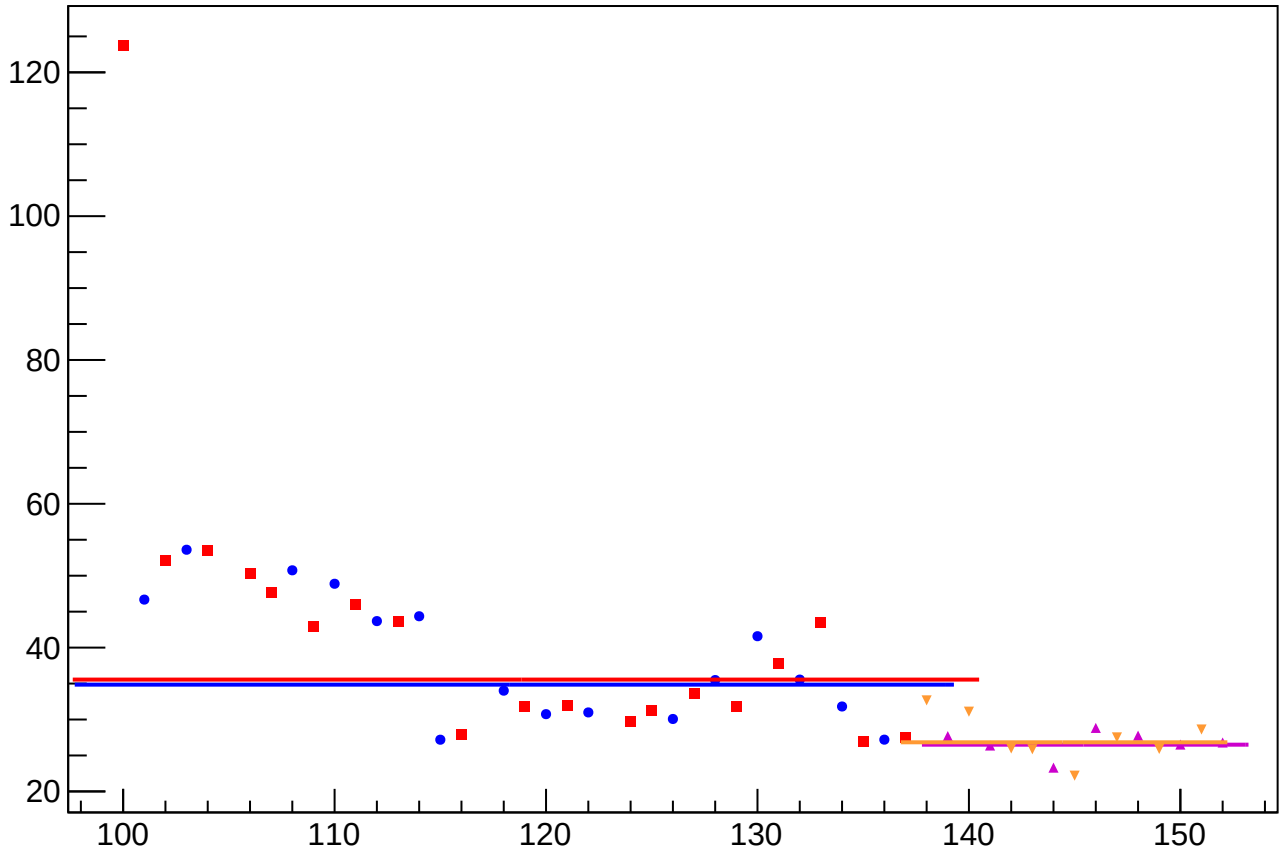
Left: -6.229+/-7.711 χ^2/NDF: 11.7/14

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -14.297+/-8.440 χ^2/NDF:24.5/22

Out: -2.626+/-8.494 χ^2/NDF:28.9/26

All: -8.499+/-5.987 χ^2/NDF: 54.3/49



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: 26.500+/-0.008 χ^2/NDF:49829.5/6

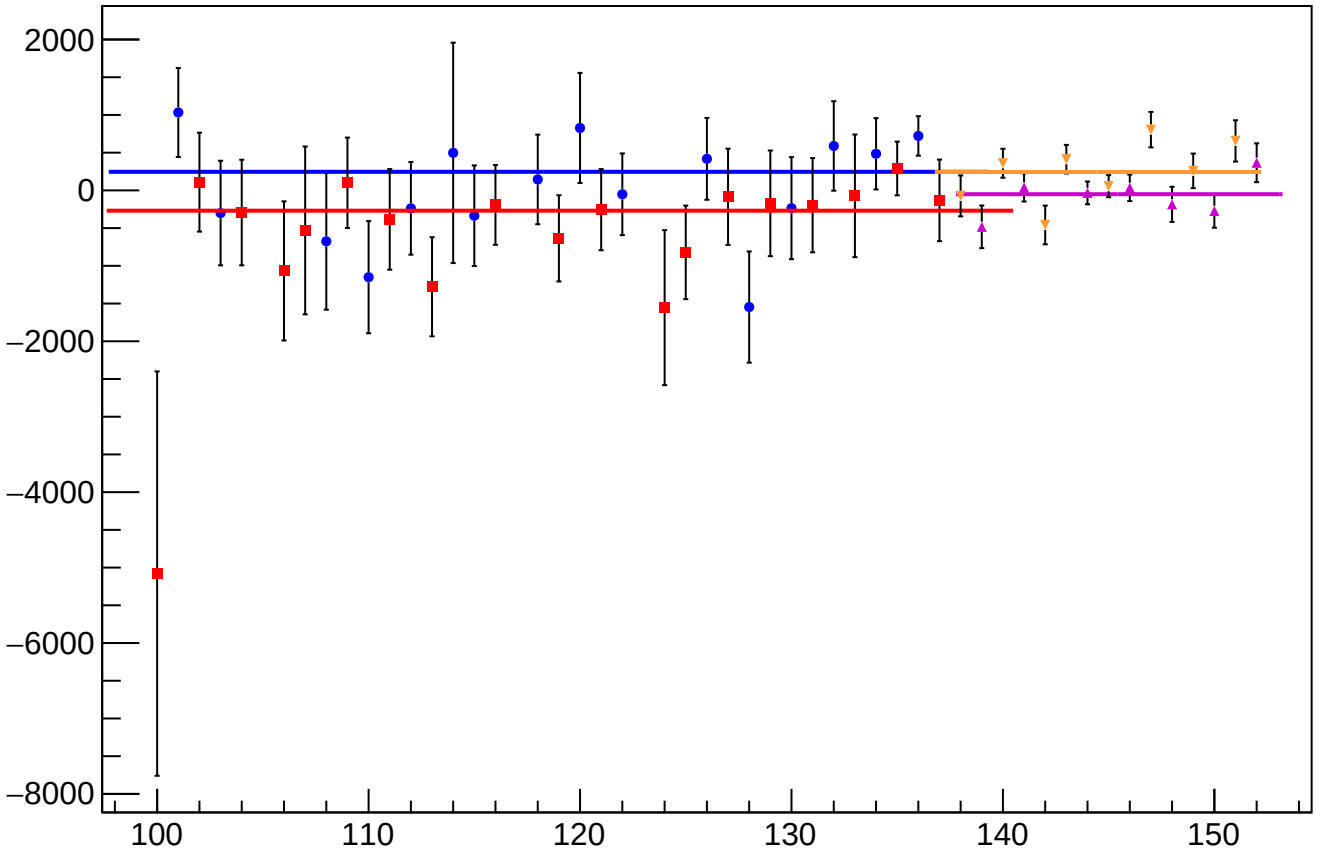
Left: 26.665+/-0.005 χ^2/NDF: 210677.1/14

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 29.816+/-0.006 χ^2/NDF:1176698.4/22

Out: 30.298+/-0.006 χ^2/NDF:1444604.9/26

All: 30.055+/-0.004 χ^2/NDF: 2624535.7/49



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: -50.593+/-76.470 χ^2/NDF:6.8/6

Left: 100.772+/-53.311 χ^2/NDF: 34.0/14

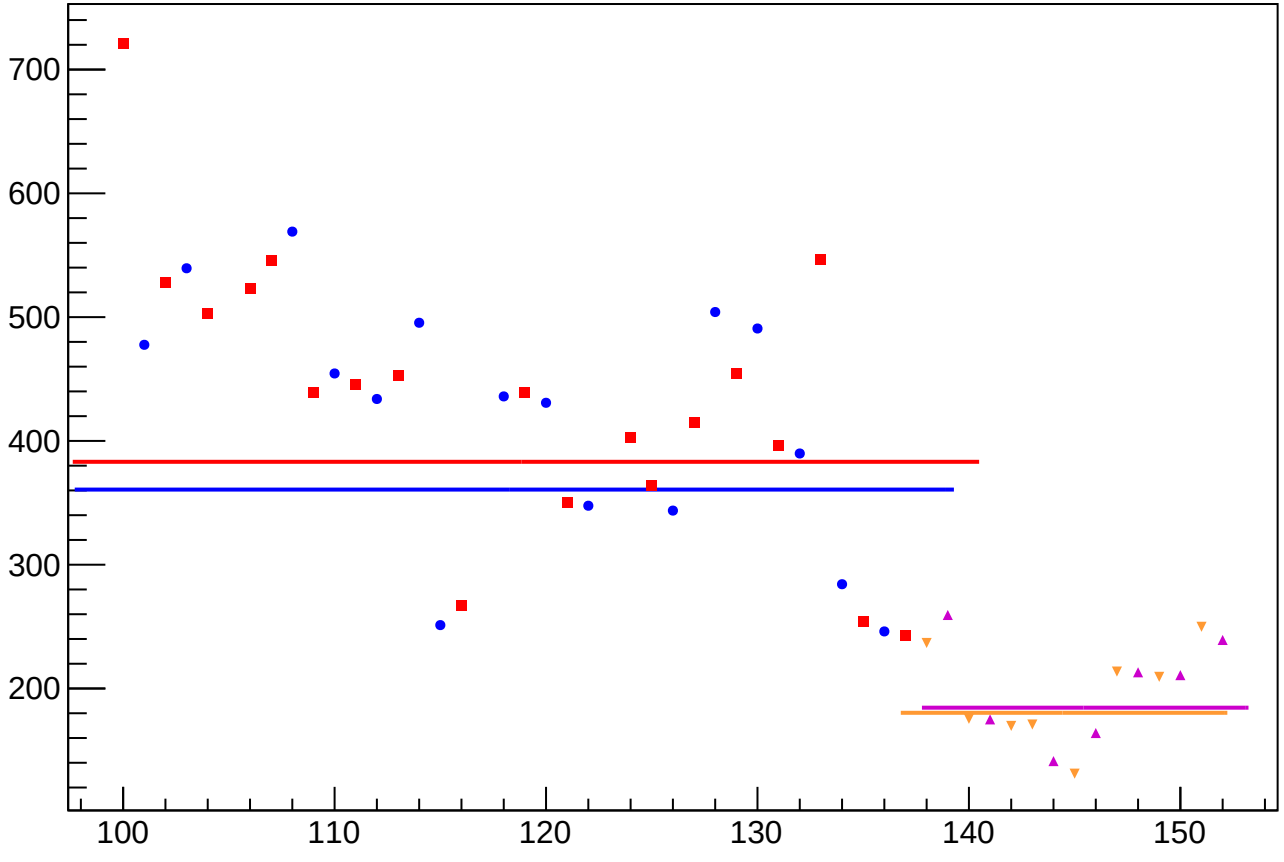
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 17.472+/-67.141 χ^2/NDF:30.0/22

Out: 137.462+/-66.196 χ^2/NDF:42.1/26

All: 78.318+/-47.138 χ^2/NDF: 73.7/49

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: 184.501+/-0.054 χ^2/NDF:484544.5/6

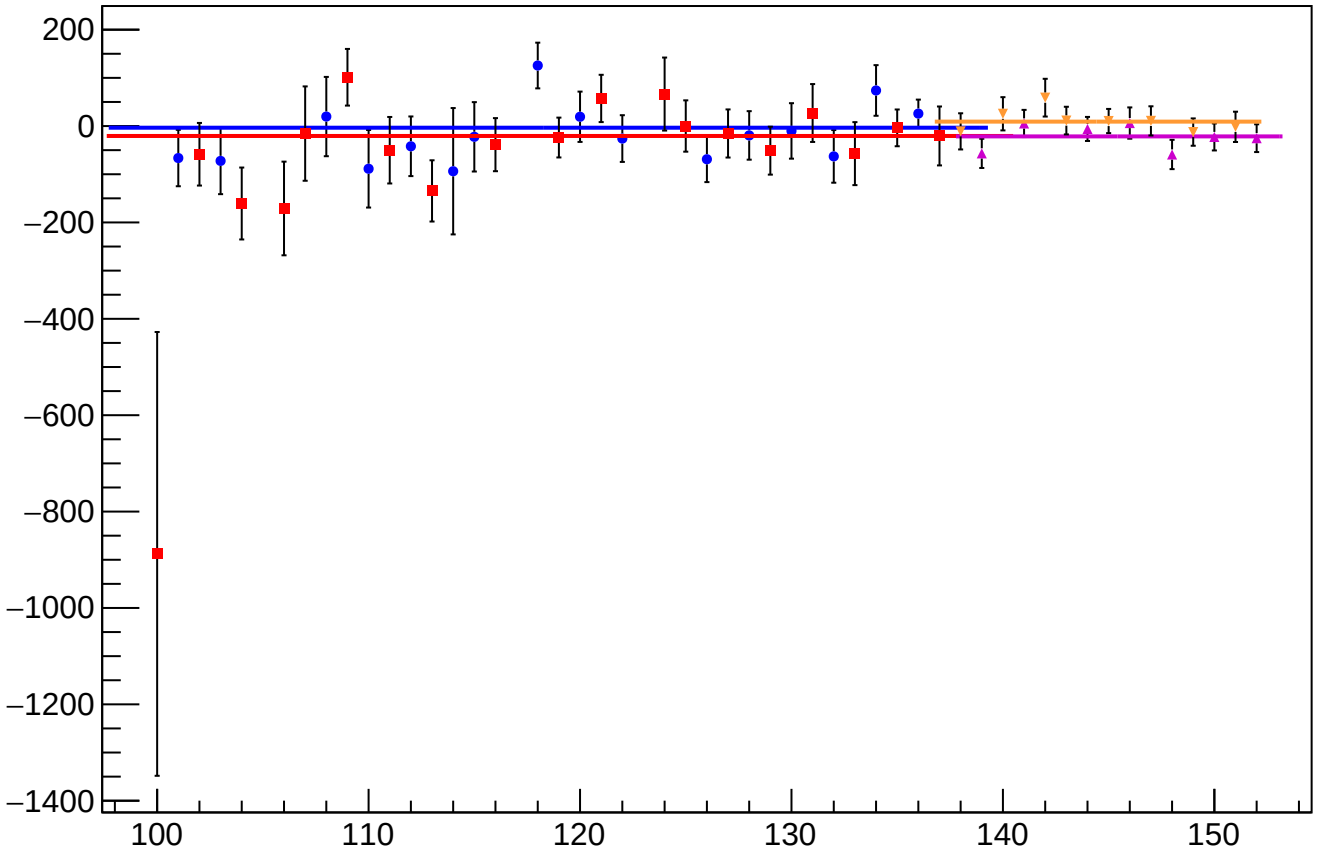
Left: 182.376+/-0.038 χ^2/NDF: 1010787.6/14

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 224.866+/-0.047 χ^2/NDF:4009717.6/22

Out: 222.454+/-0.047 χ^2/NDF:4572923.7/26

All: 223.643+/-0.033 χ^2/NDF: 8583950.4/49



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: -21.459+/-10.869 χ^2/NDF:4.9/6

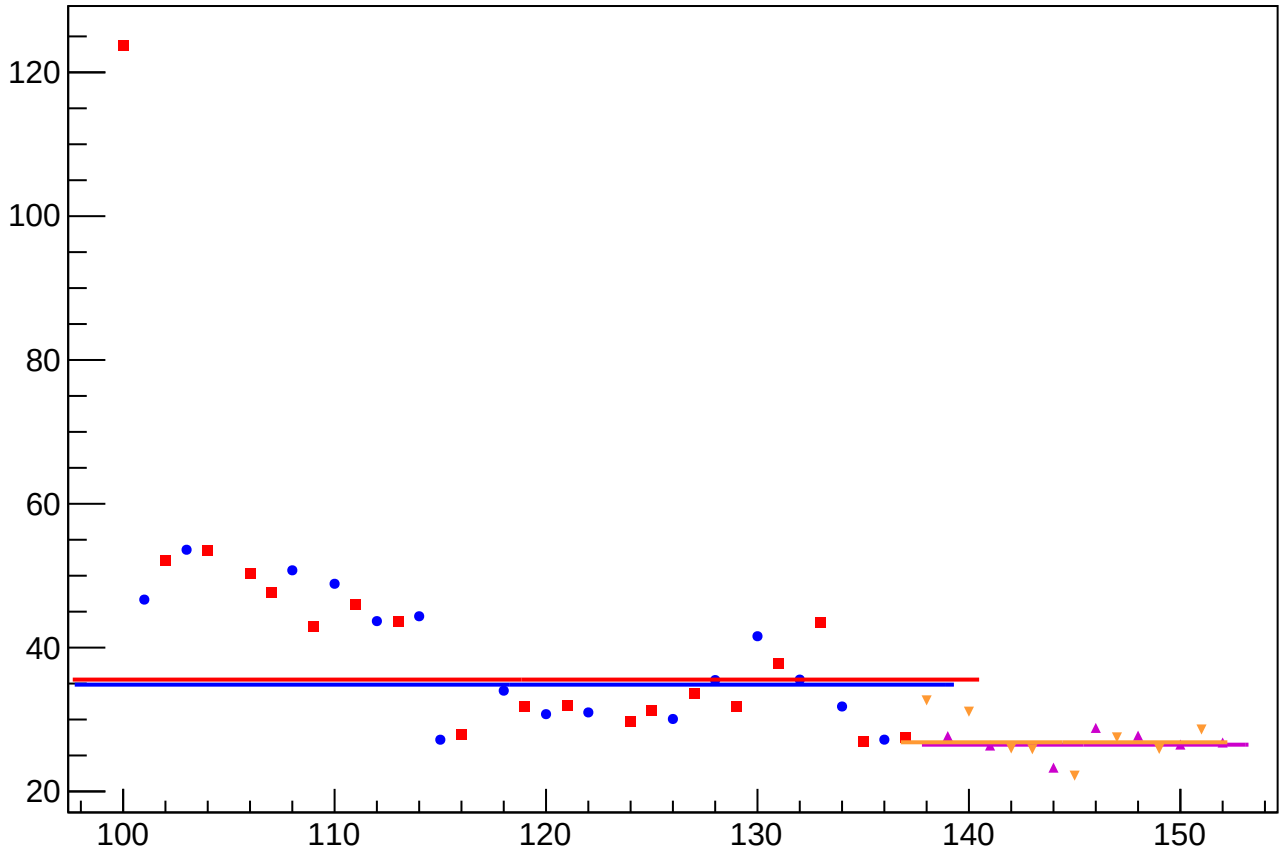
Left: -6.229+/-7.711 χ^2/NDF: 11.7/14

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -14.297+/-8.440 χ^2/NDF:24.5/22

Out: -2.626+/-8.494 χ^2/NDF:28.9/26

All: -8.499+/-5.987 χ^2/NDF: 54.3/49



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: 26.500+/-0.008 χ^2/NDF:49825.6/6

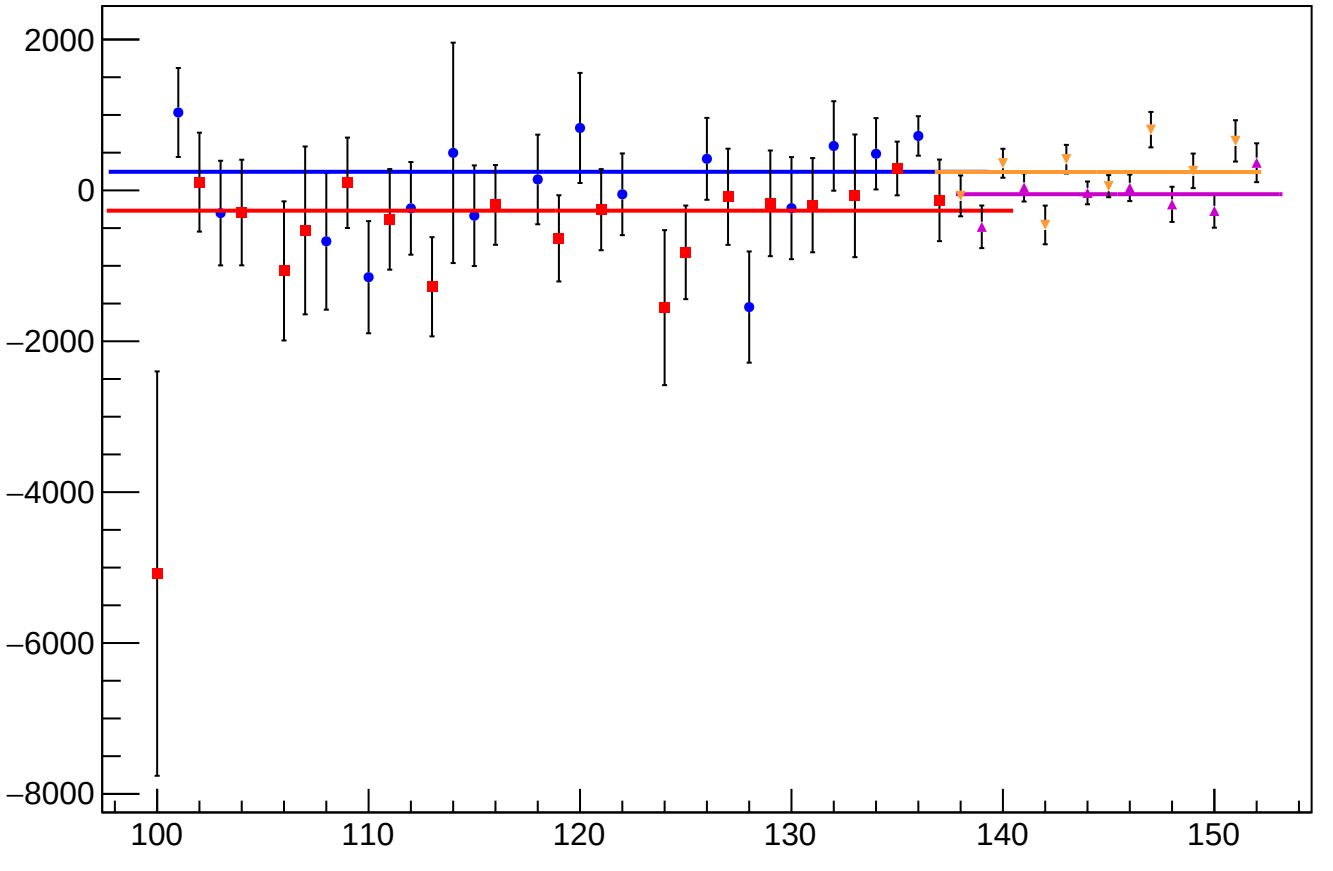
Left: 26.665+/-0.005 χ^2/NDF: 210657.5/14

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 29.816+/-0.006 χ^2/NDF:1176592.0/22

Out: 30.298+/-0.006 χ^2/NDF:1444513.2/26

All: 30.055+/-0.004 χ^2/NDF: 2624338.1/49



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: -50.593+/-76.470 χ^2/NDF:6.8/6

Left: 100.771+/-53.311 χ^2/NDF: 34.0/14

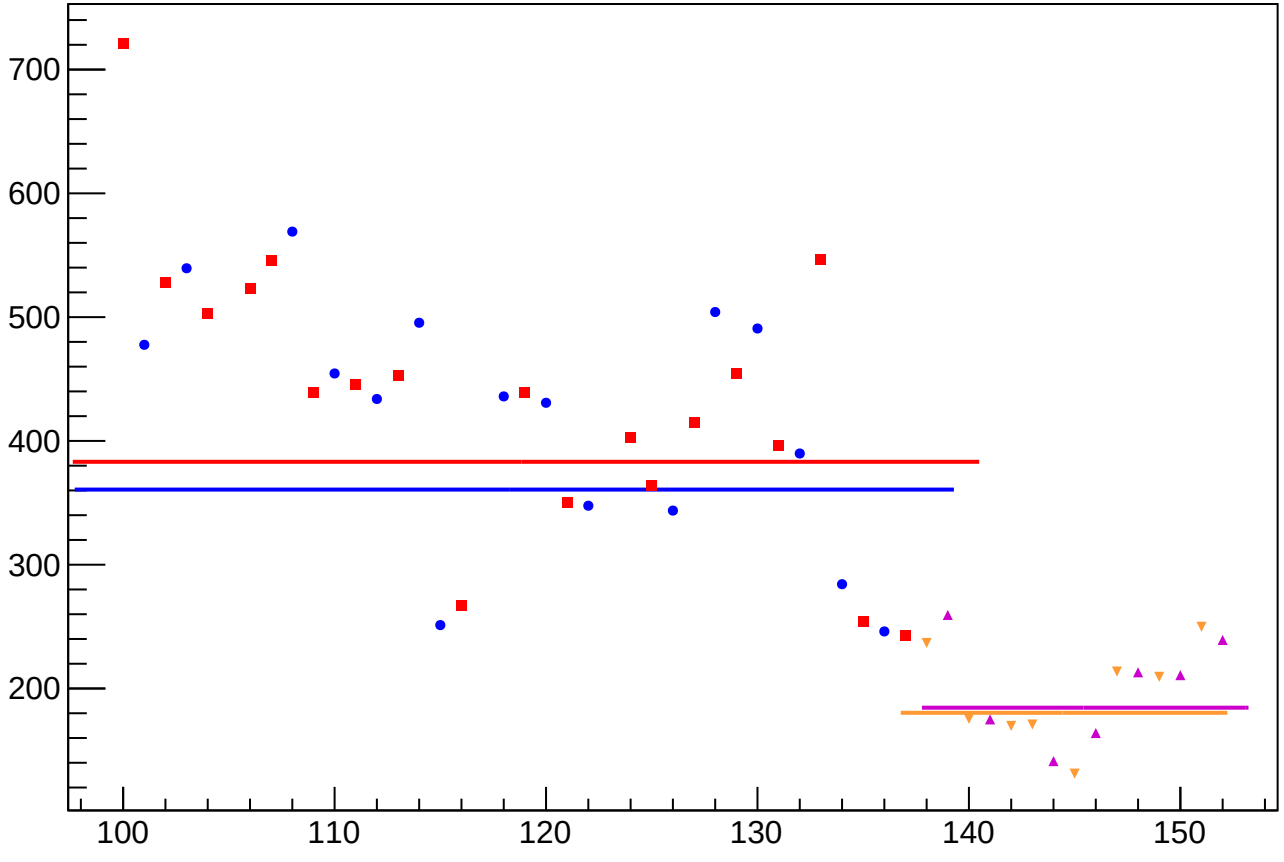
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 17.471+/-67.141 χ^2/NDF:30.0/22

Out: 137.462+/-66.196 χ^2/NDF:42.1/26

All: 78.317+/-47.138 χ^2/NDF: 73.7/49

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: 184.501+/-0.054 χ^2/NDF:484544.2/6

Left: 182.376+/-0.038 χ^2/NDF: 1010796.1/14

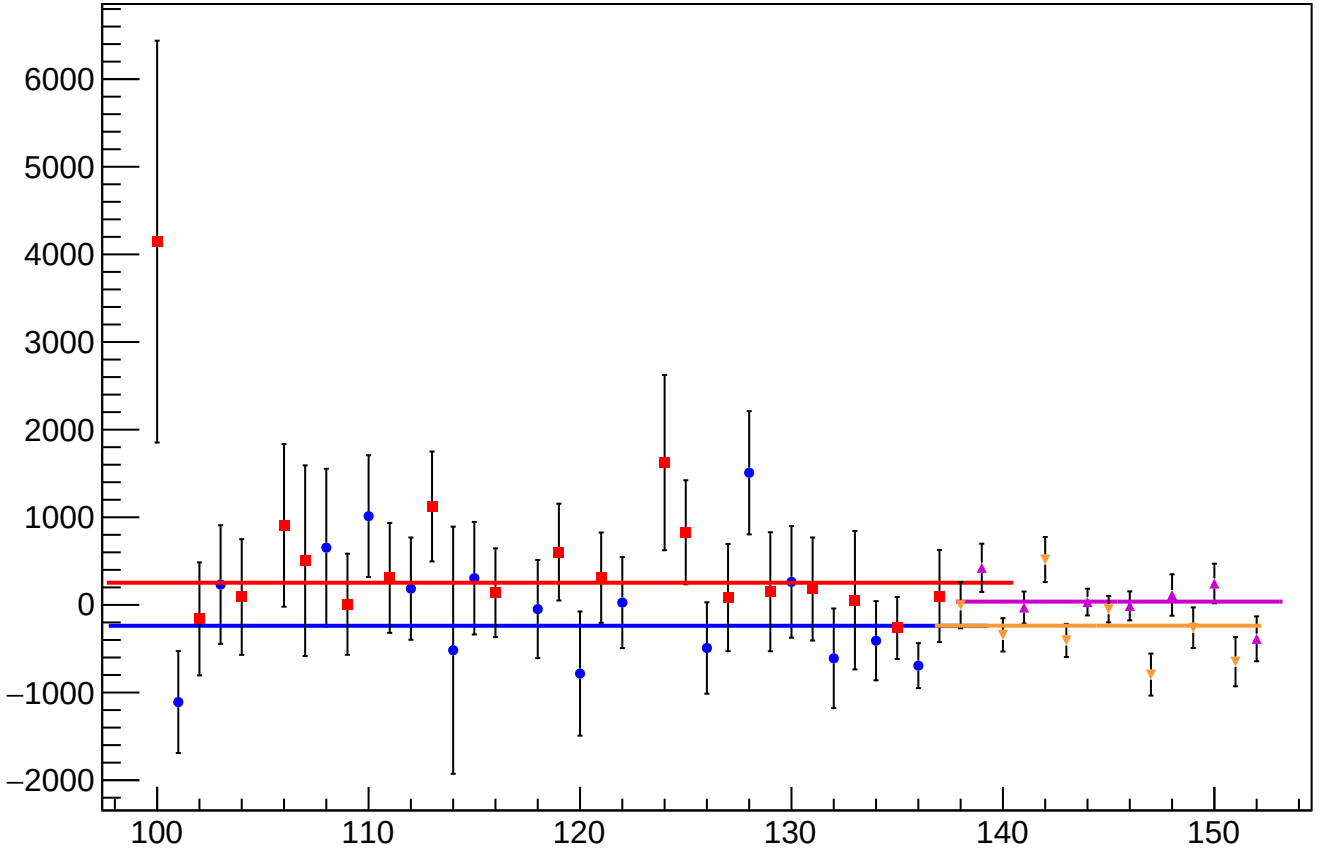
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 224.866+/-0.047 χ^2/NDF:4009708.1/22

Out: 222.453+/-0.047 χ^2/NDF:4572937.7/26

All: 223.642+/-0.033 χ^2/NDF: 8583955.3/49

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: 37.735+/-75.453 χ^2/NDF:5.9/6

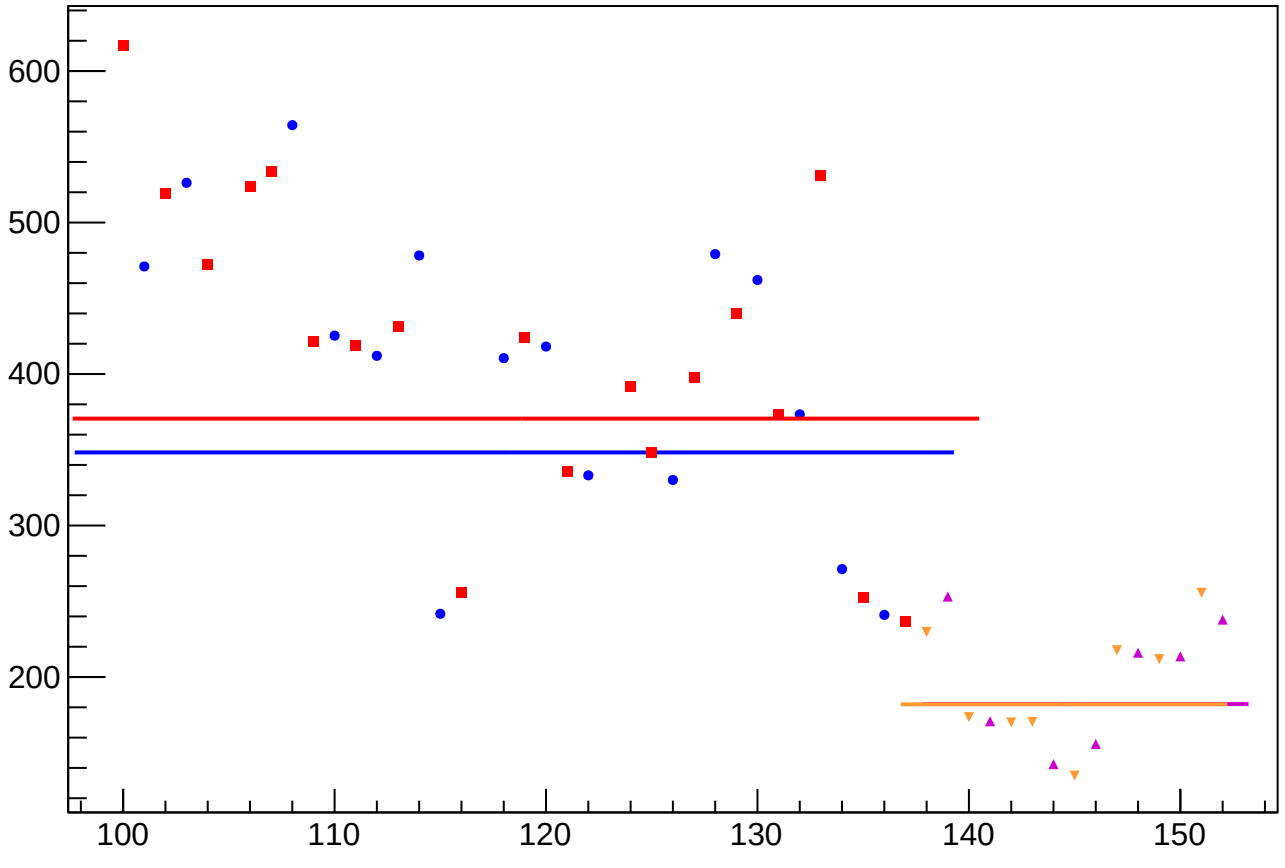
Left: -100.238+/-53.208 χ^2/NDF: 32.2/14

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -27.650+/-65.904 χ^2/NDF:29.0/22

Out: -127.818+/-66.185 χ^2/NDF:40.8/26

All: -77.521+/-46.700 χ^2/NDF: 70.9/49



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: 182.154+/-0.053 χ^2/NDF:501396.7/6

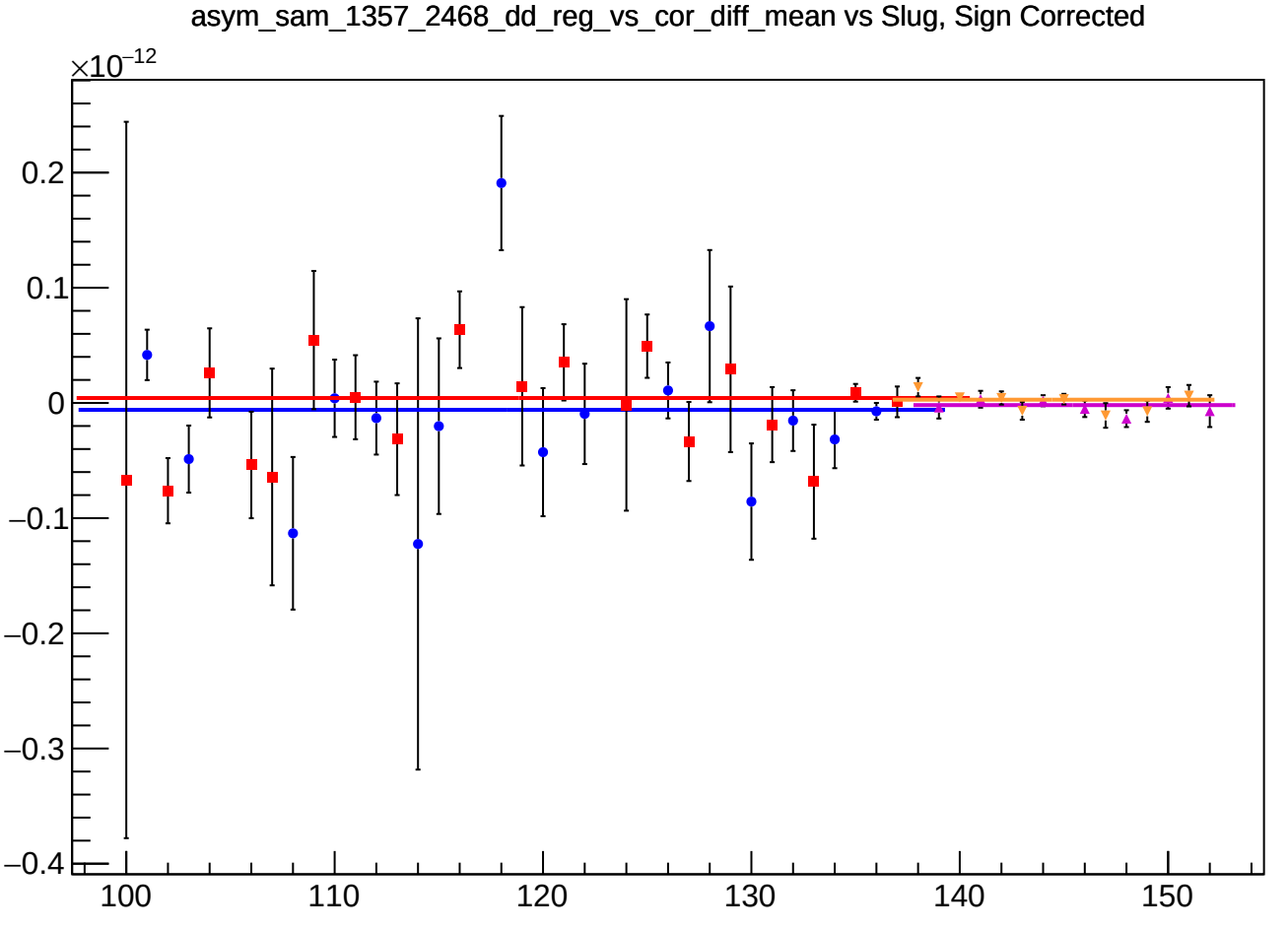
Left: 182.068+/-0.038 χ^2/NDF: 992040.1/14

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 221.535+/-0.047 χ^2/NDF:3856076.1/22

Out: 223.886+/-0.047 χ^2/NDF:4215176.2/26

All: 222.705+/-0.033 χ^2/NDF: 8072519.7/49



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:4.5/6

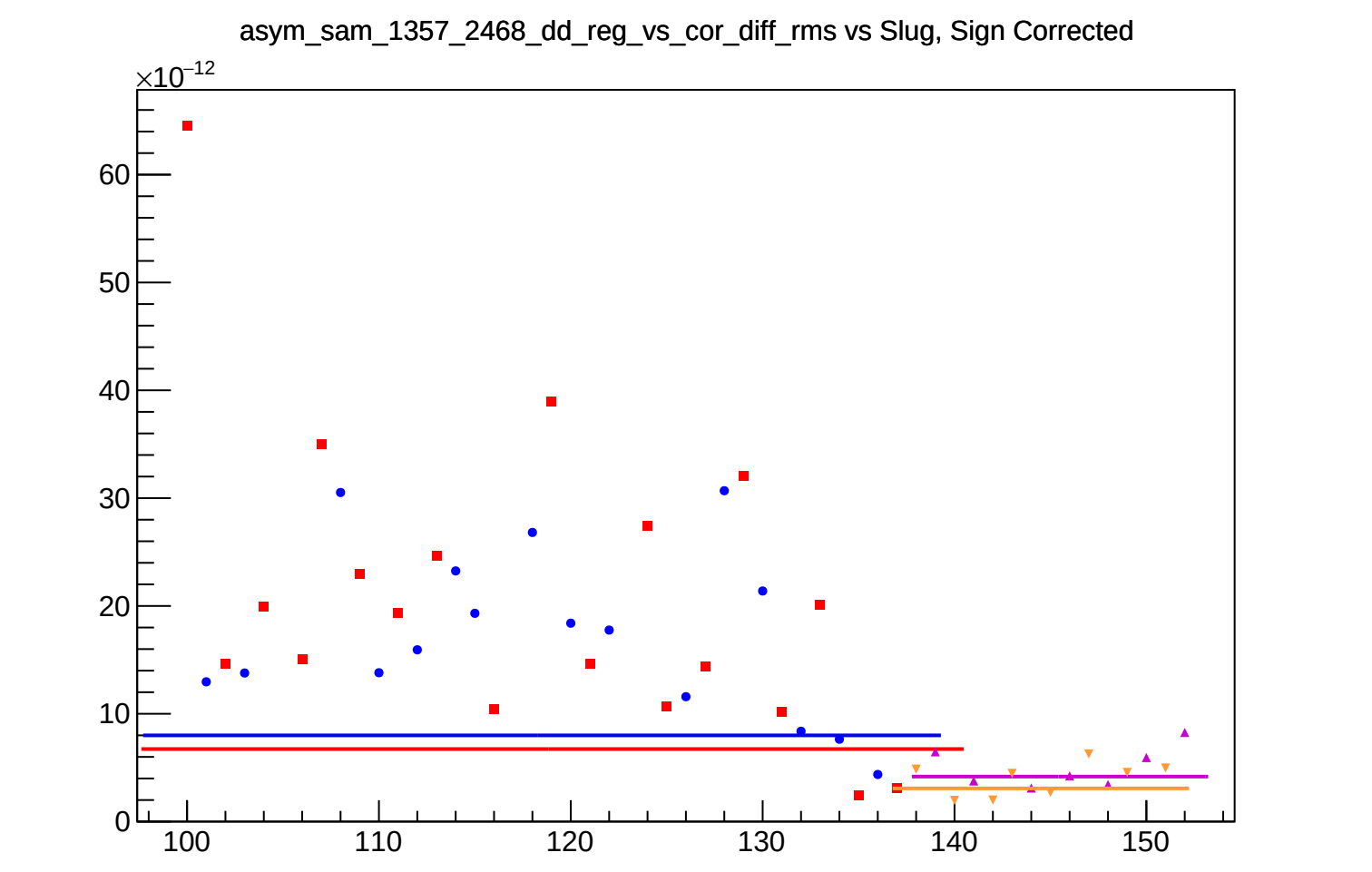
Left: 0.000+/-0.000 χ^2/NDF: 13.0/14

Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:32.3/22

Out: 0.000+/-0.000 χ^2/NDF:29.7/26

All: 0.000+/-0.000 χ^2/NDF: 65.1/49



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:487302.5/6

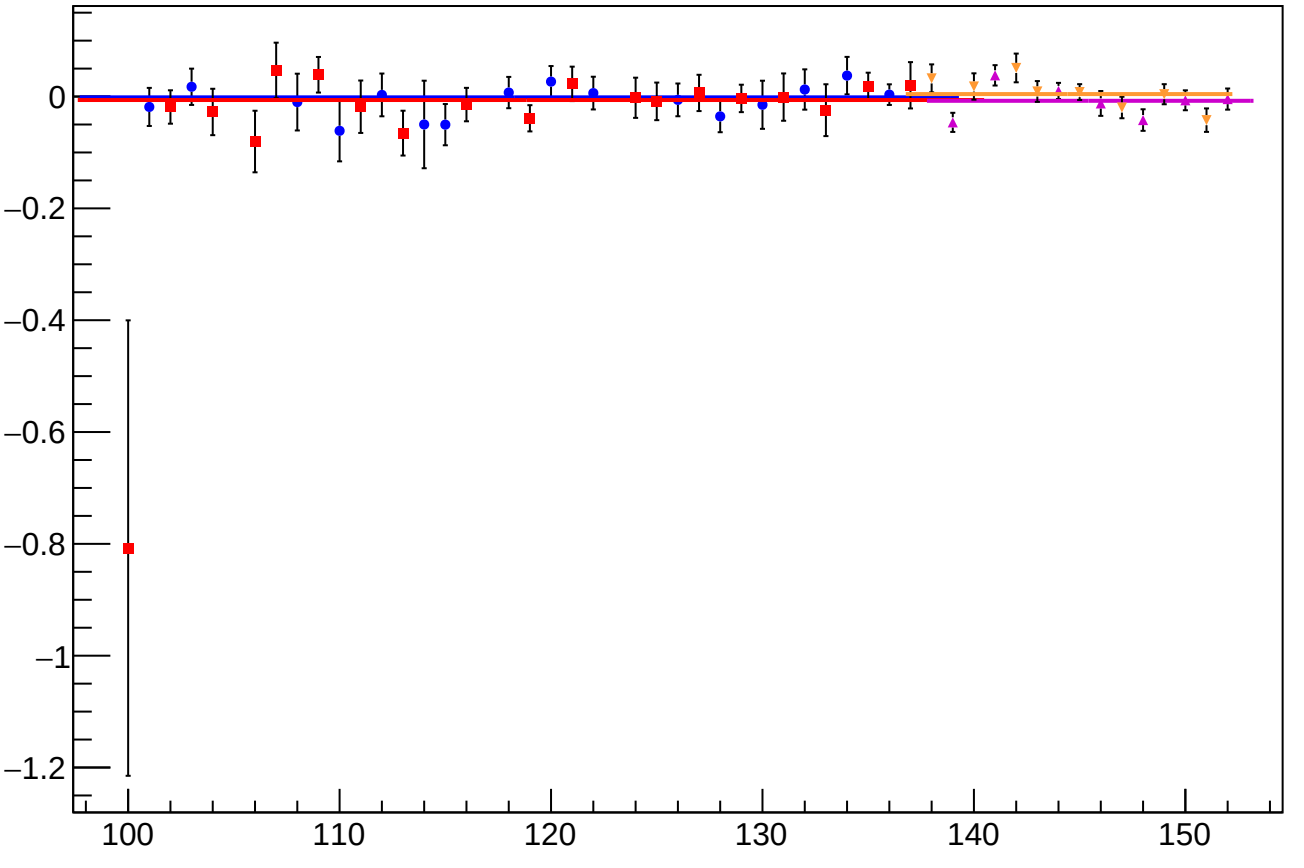
Left: 0.000+/-0.000 χ^2/NDF: 1387012.9/14

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:3165251.3/22

Out: 0.000+/-0.000 χ^2/NDF:4834308.0/26

All: 0.000+/-0.000 χ^2/NDF: 8337425.3/49



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:16.1/6

Left: -0.002+/-0.005 χ^2/NDF: 29.2/14

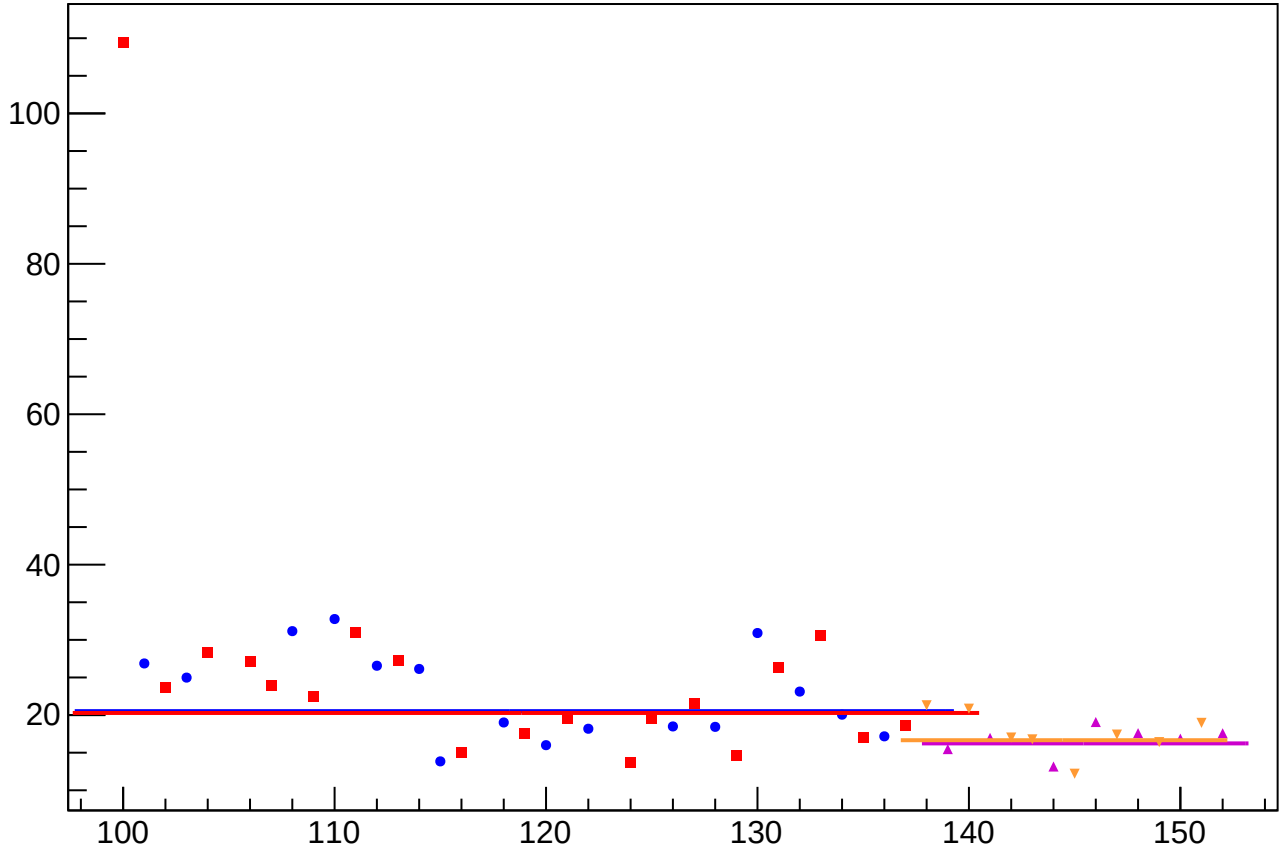
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.005 χ^2/NDF:24.7/22

Out: -0.000+/-0.005 χ^2/NDF:28.8/26

All: -0.003+/-0.004 χ^2/NDF: 53.9/49

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: 16.234+/-0.005 χ^2/NDF:153429.3/6

Left: 16.441+/-0.003 χ^2/NDF: 516607.4/14

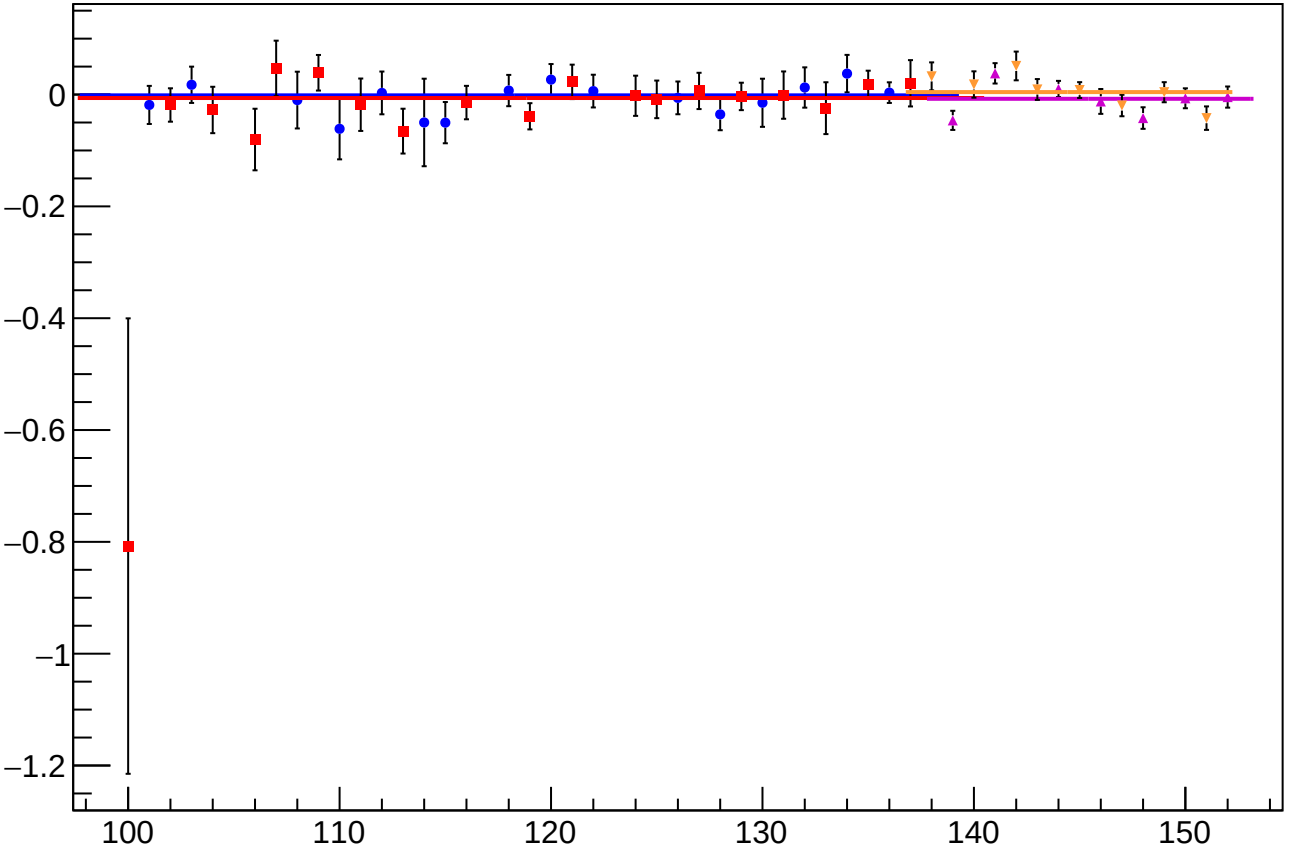
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.004+/-0.004 χ^2/NDF:1191750.8/22

Out: 18.234+/-0.004 χ^2/NDF:1462579.0/26

All: 18.118+/-0.003 χ^2/NDF: 2656293.1/49

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-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:16.1/6

Left: -0.002+/-0.005 χ^2/NDF: 29.2/14

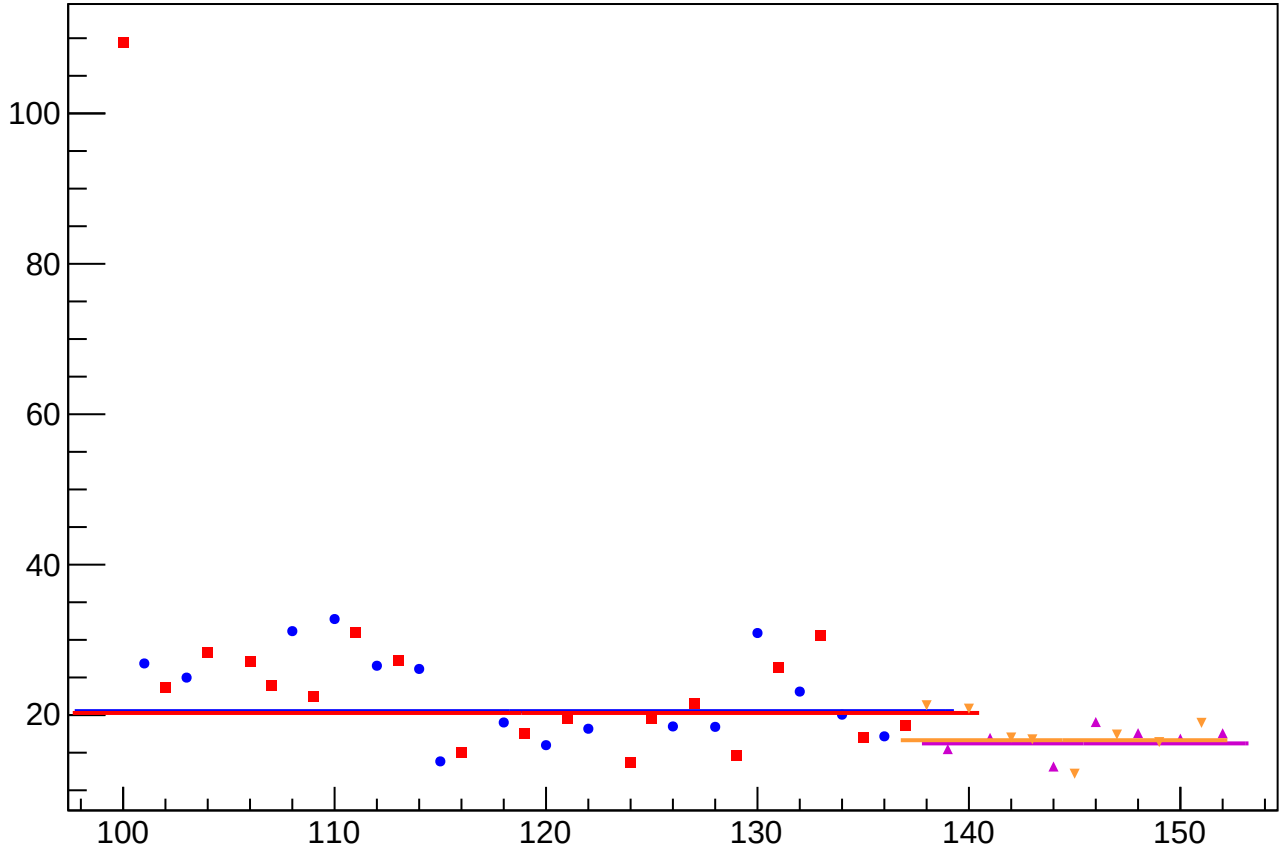
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.005 χ^2/NDF:24.7/22

Out: -0.000+/-0.005 χ^2/NDF:28.8/26

All: -0.003+/-0.004 χ^2/NDF: 53.9/49

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: 16.234+/-0.005 χ^2/NDF:153429.3/6

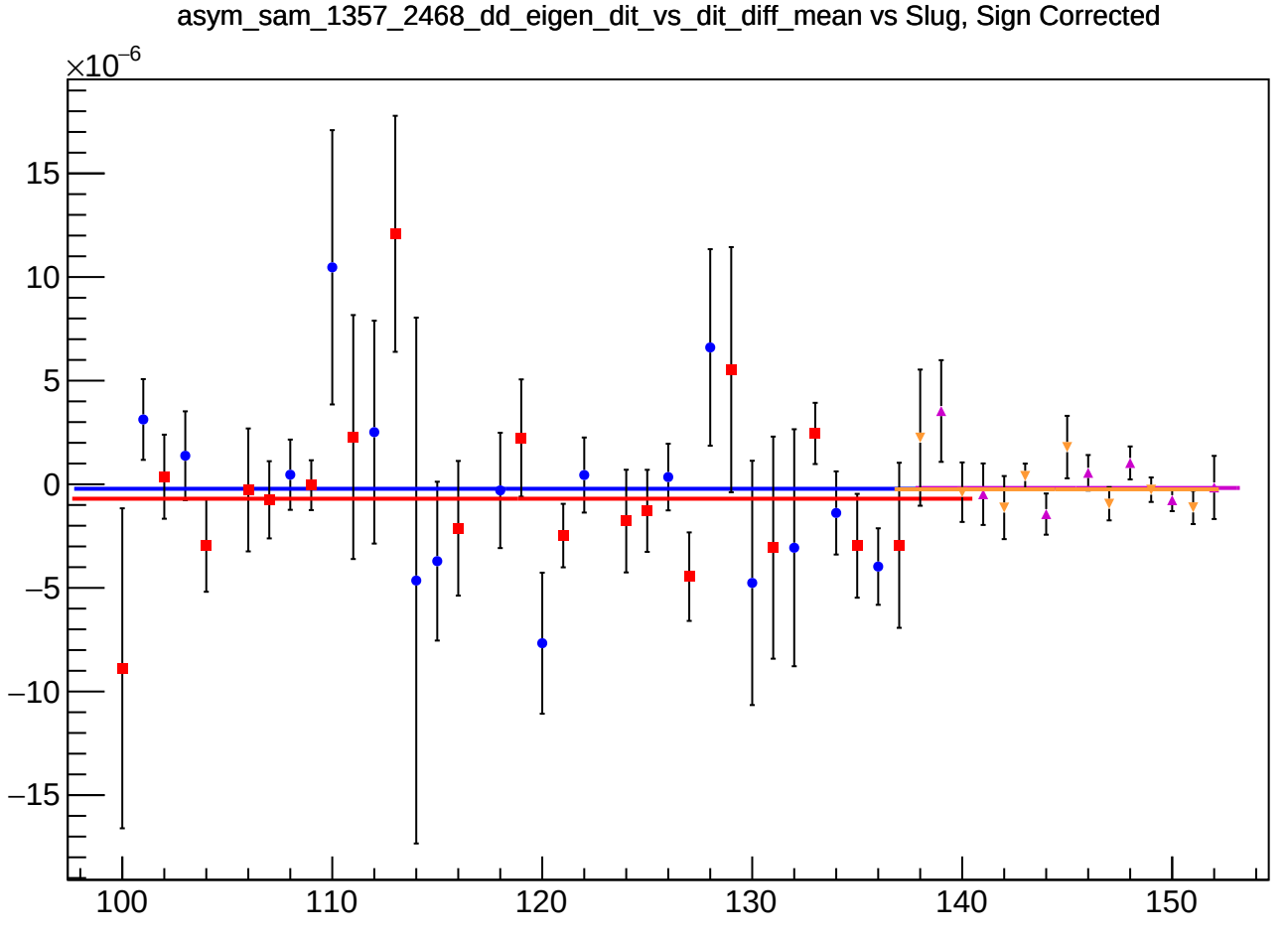
Left: 16.441+/-0.003 χ^2/NDF: 516607.4/14

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.004+/-0.004 χ^2/NDF:1191750.8/22

Out: 18.234+/-0.004 χ^2/NDF:1462579.0/26

All: 18.118+/-0.003 χ^2/NDF: 2656293.1/49



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:8.2/6

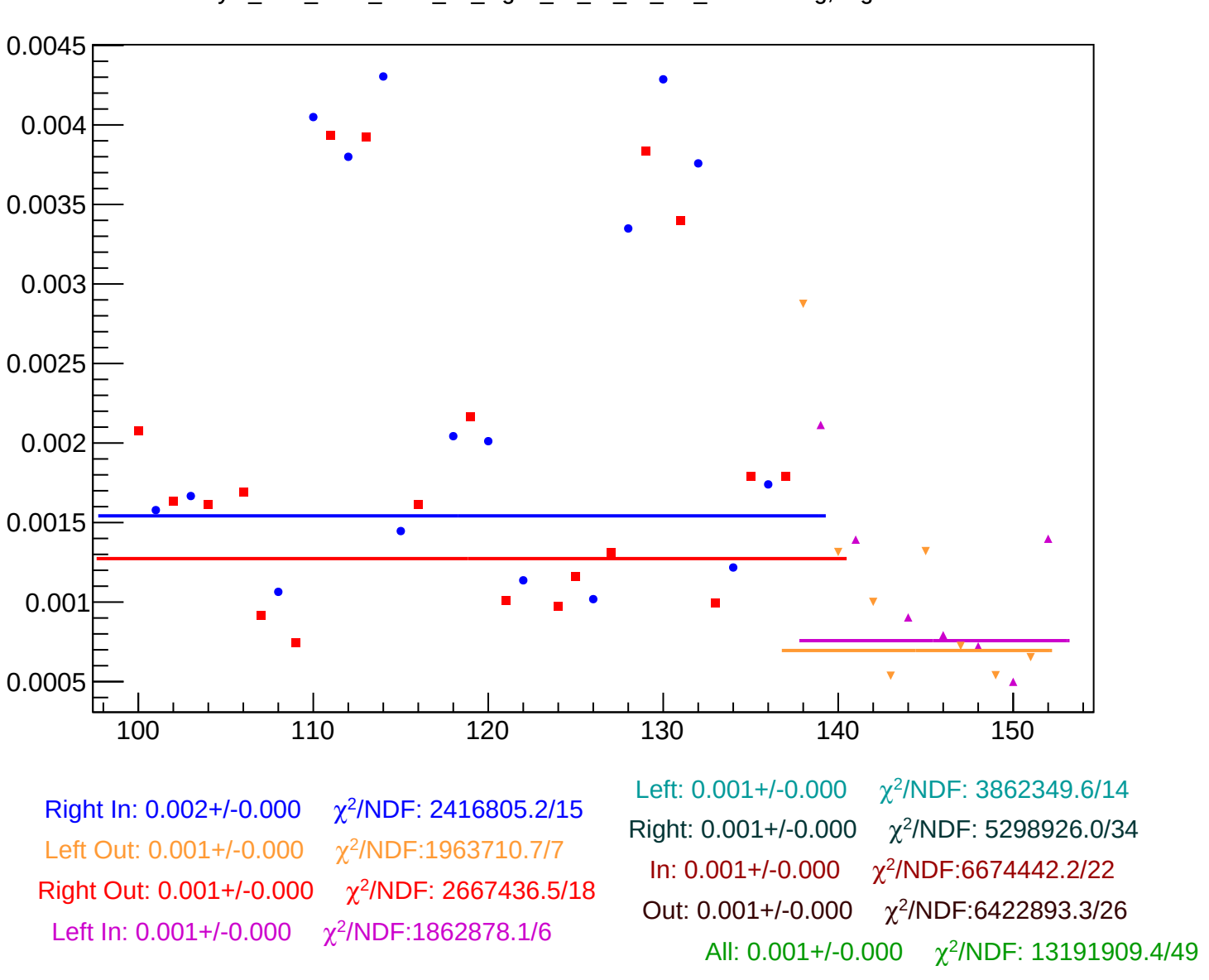
Left: -0.000+/-0.000 χ^2/NDF: 14.1/14

Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

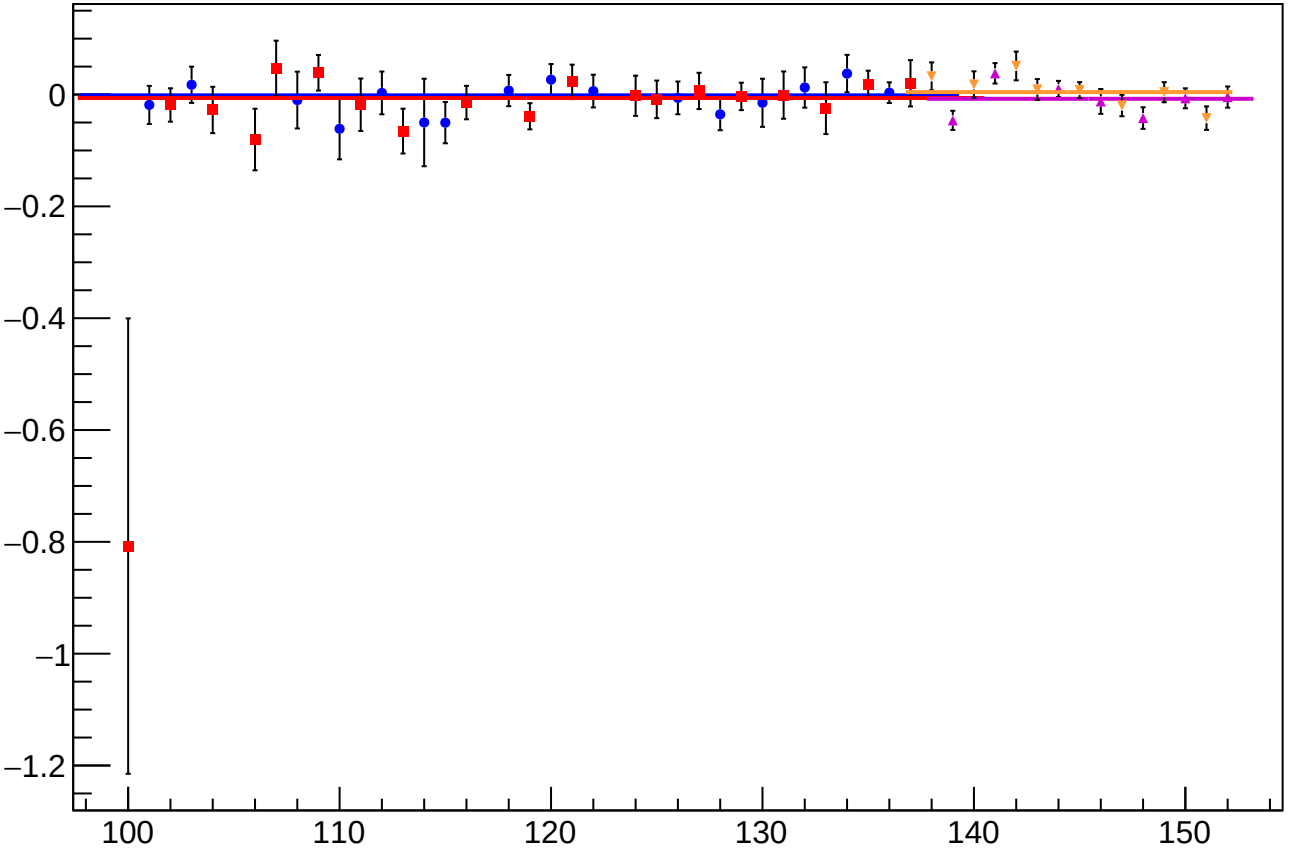
In: -0.000+/-0.000 χ^2/NDF:28.1/22

Out: -0.000+/-0.000 χ^2/NDF:27.4/26

All: -0.000+/-0.000 χ^2/NDF: 55.7/49


asym_sam_1357_2468_dd_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
0.0005
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 2416805.2/15
Left Out: 0.001+/-0.000 χ²/NDF:1963710.7/7
Right Out: 0.001+/-0.000 χ²/NDF: 2667436.5/18
Left In: 0.001+/-0.000 χ²/NDF:1862878.1/6
Left: 0.001+/-0.000 χ²/NDF: 3862349.6/14
Right: 0.001+/-0.000 χ²/NDF: 5298926.0/34
In: 0.001+/-0.000 χ²/NDF:6674442.2/22
Out: 0.001+/-0.000 χ²/NDF:6422893.3/26
All: 0.001+/-0.000 χ²/NDF: 13191909.4/49

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.007 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:16.1/6

Left: -0.002+/-0.005 χ^2/NDF: 29.2/14

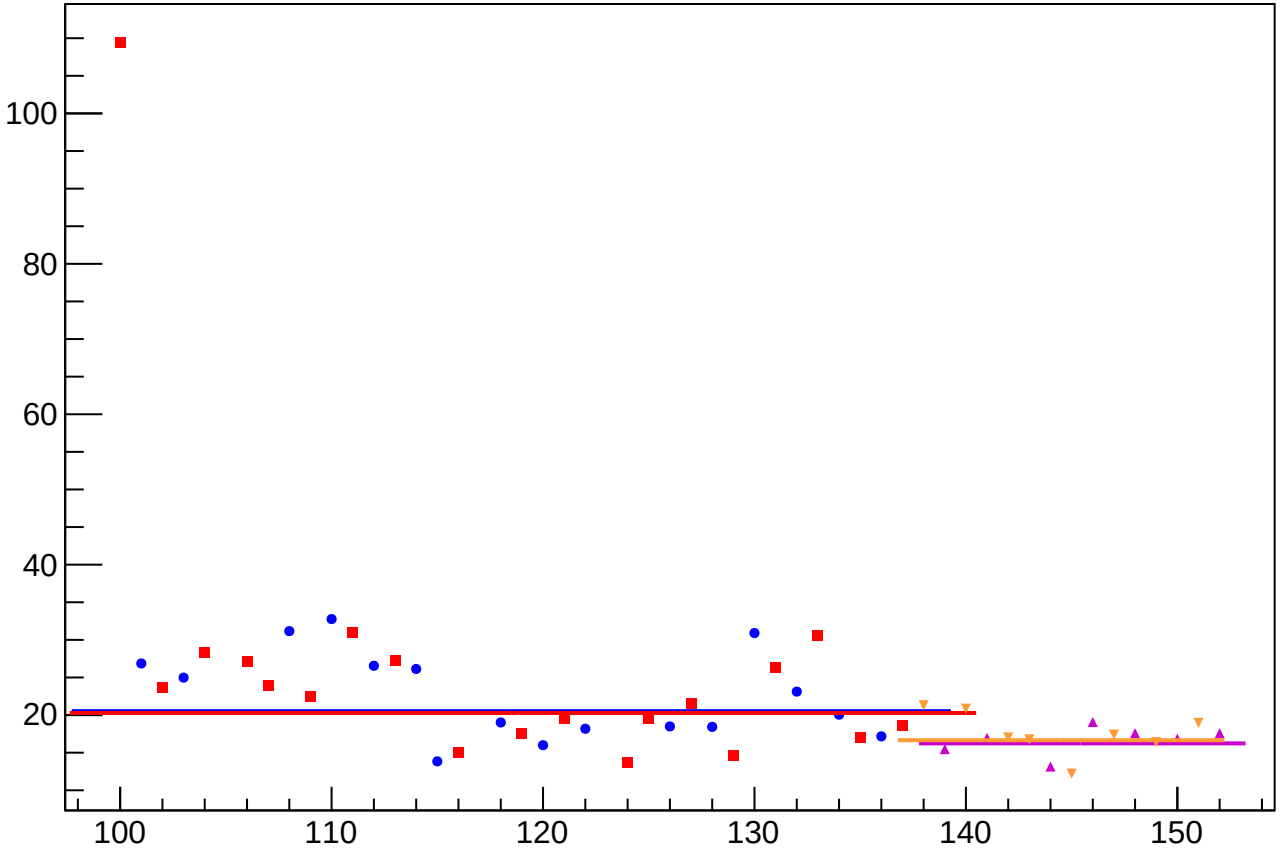
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.005 χ^2/NDF:24.7/22

Out: -0.000+/-0.005 χ^2/NDF:28.8/26

All: -0.003+/-0.004 χ^2/NDF: 53.9/49

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: 16.234+/-0.005 χ^2/NDF:153438.0/6

Left: 16.441+/-0.003 χ^2/NDF: 516552.0/14

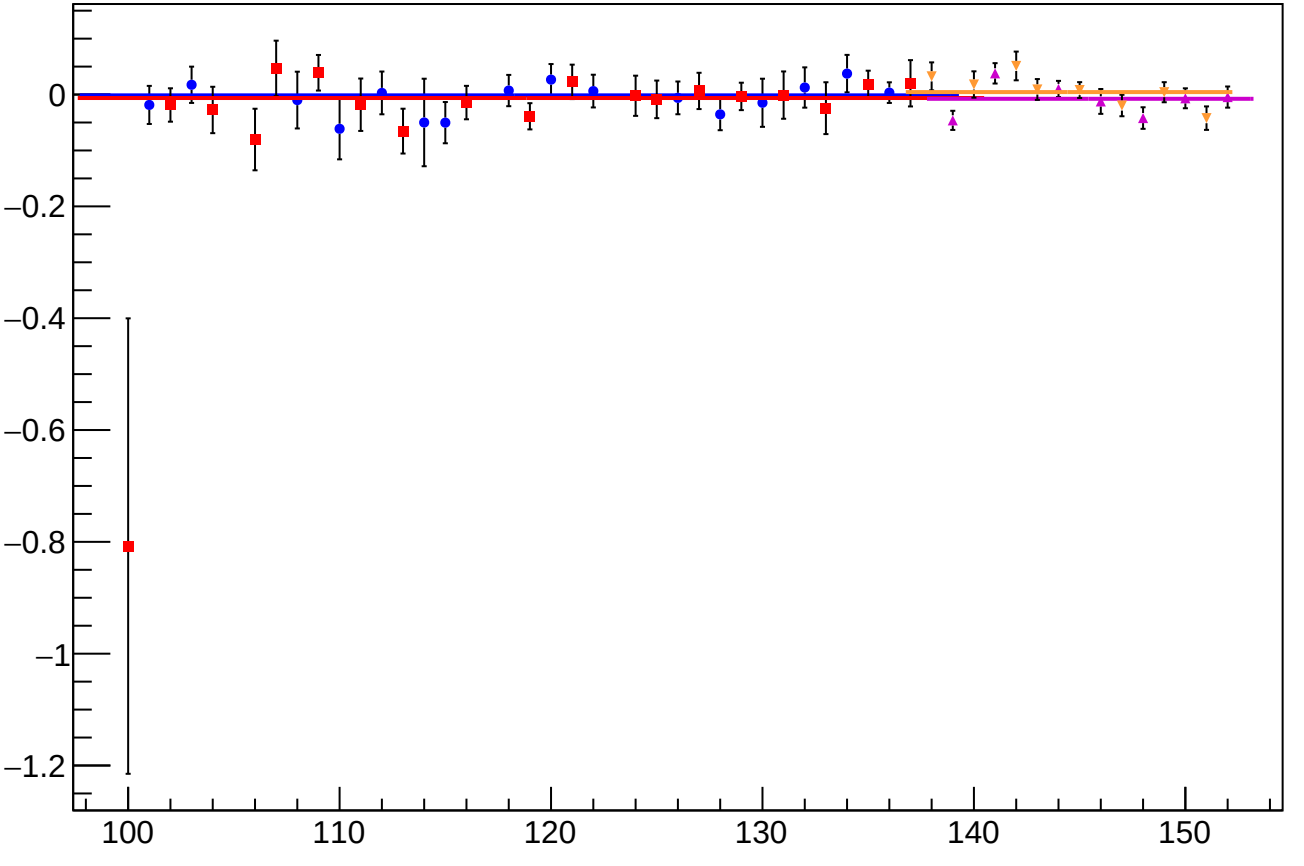
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.003+/-0.004 χ^2/NDF:1191558.1/22

Out: 18.233+/-0.004 χ^2/NDF:1462409.7/26

All: 18.118+/-0.003 χ^2/NDF: 2655931.6/49

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:16.1/6

Left: -0.002+/-0.005 χ^2/NDF: 29.2/14

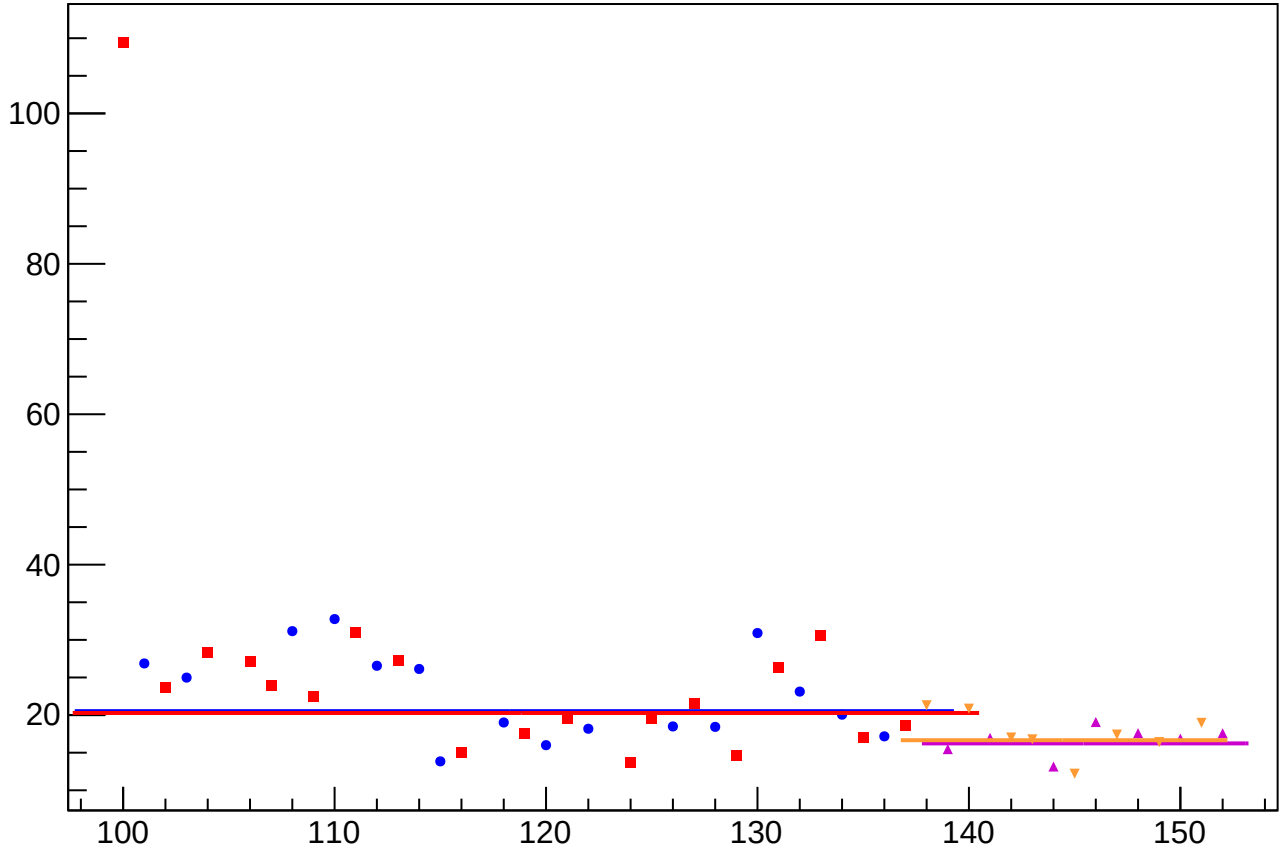
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.005 χ^2/NDF:24.7/22

Out: -0.000+/-0.005 χ^2/NDF:28.8/26

All: -0.003+/-0.004 χ^2/NDF: 53.9/49

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: 16.234+/-0.005 χ^2/NDF:153438.0/6

Left: 16.441+/-0.003 χ^2/NDF: 516552.0/14

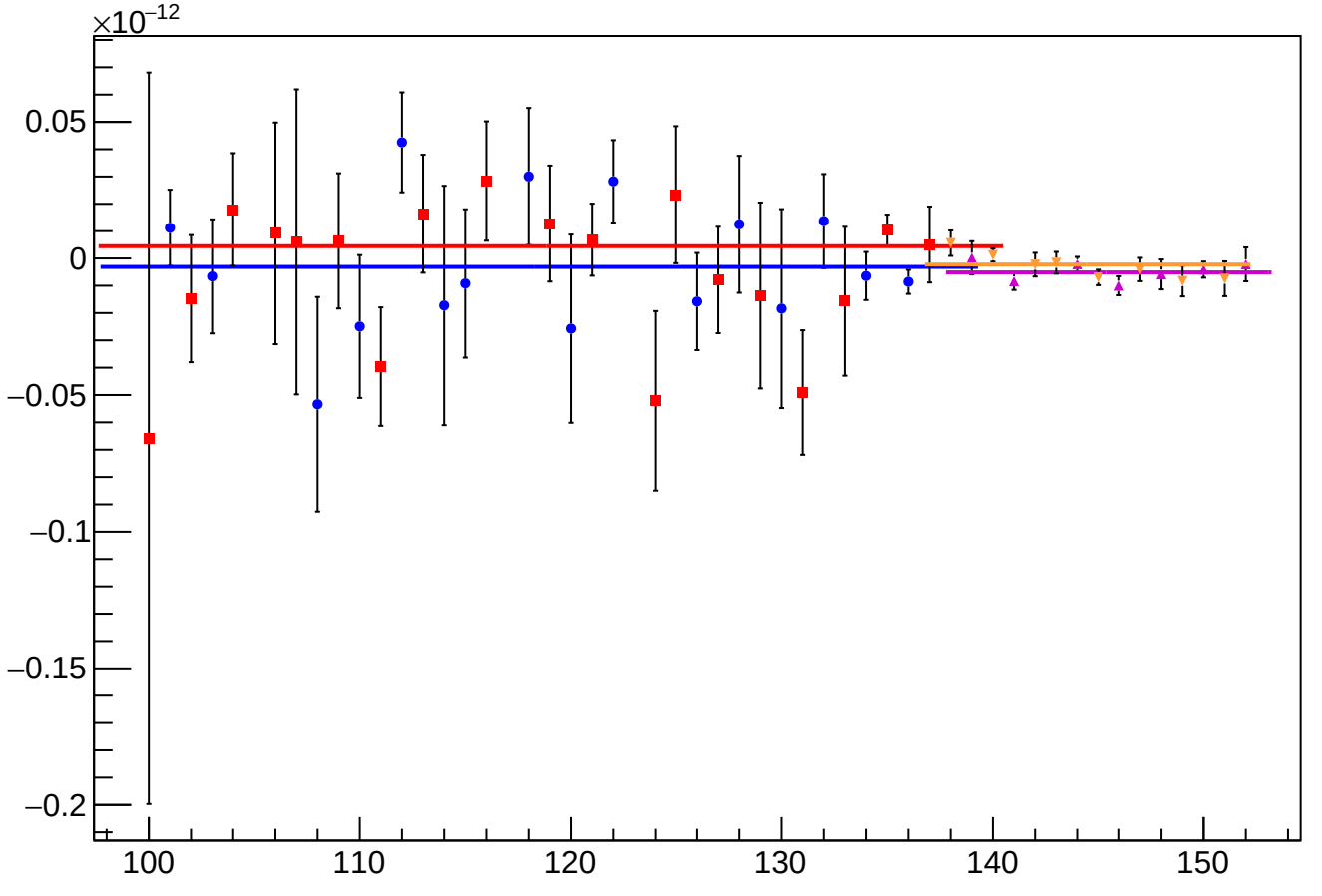
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.003+/-0.004 χ^2/NDF:1191558.1/22

Out: 18.233+/-0.004 χ^2/NDF:1462409.7/26

All: 18.118+/-0.003 χ^2/NDF: 2655931.6/49

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/6

Left: -0.000+/-0.000 χ^2/NDF: 17.4/14

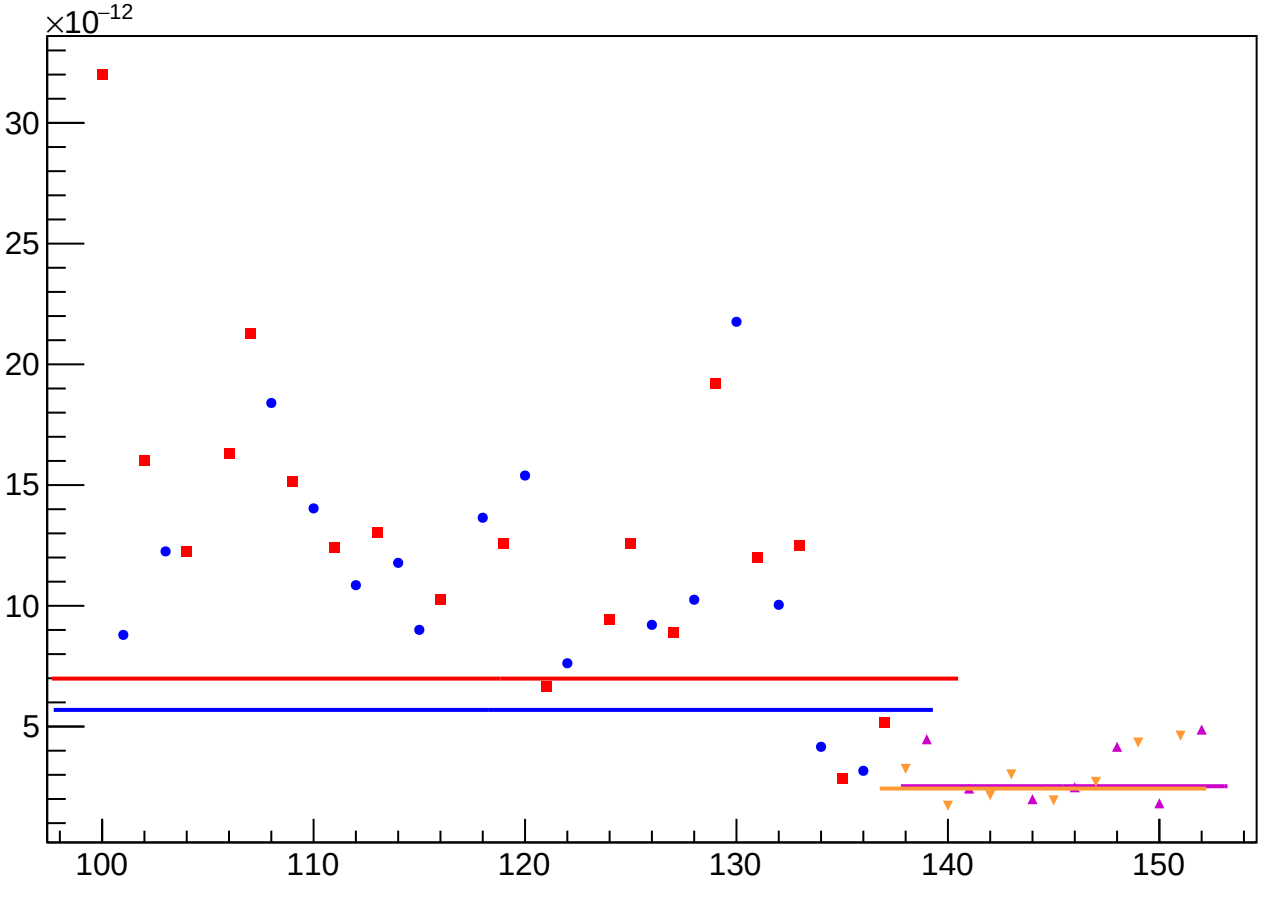
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/22

Out: -0.000+/-0.000 χ^2/NDF:31.1/26

All: -0.000+/-0.000 χ^2/NDF: 60.1/49

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:827658.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:863287.9/6

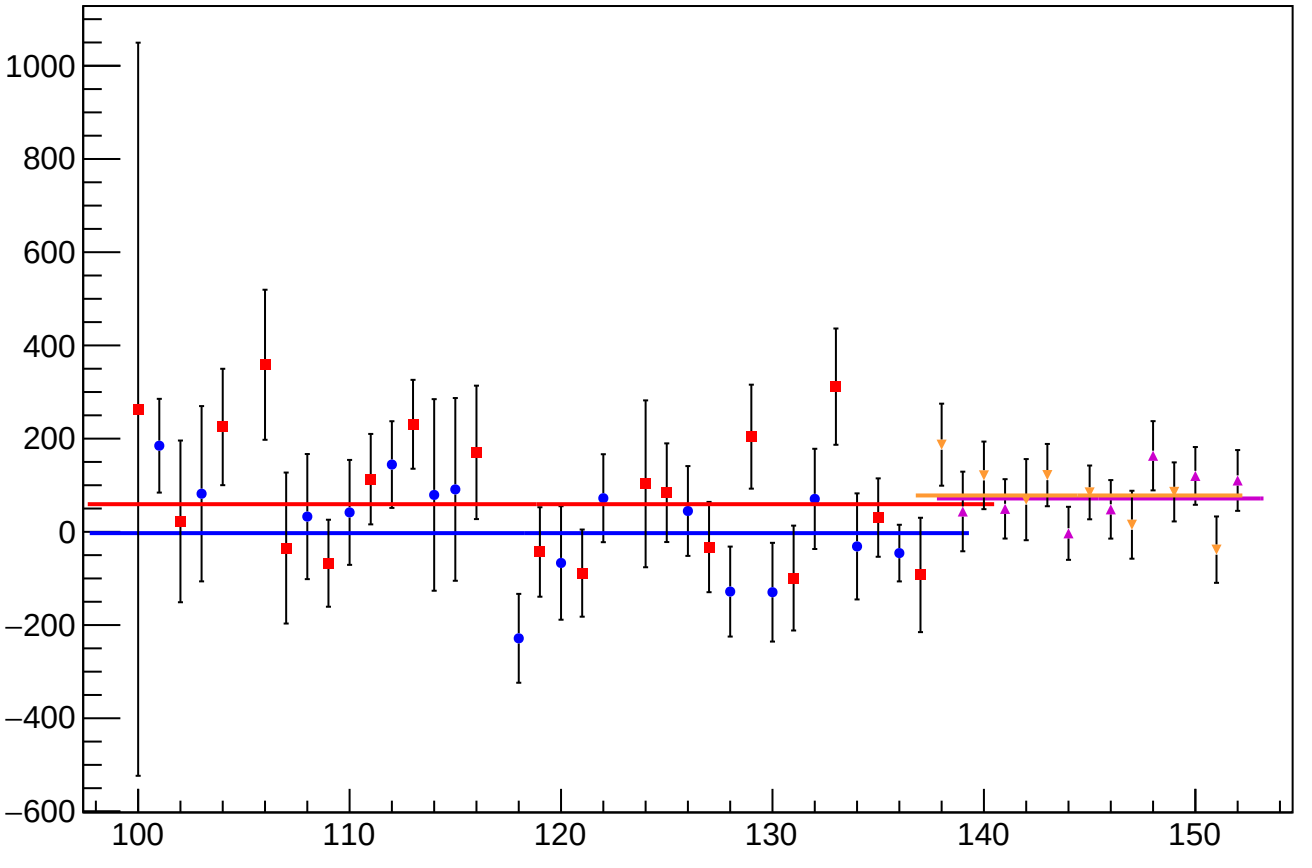
Left: 0.000+/-0.000 χ^2/NDF: 1696062.3/14

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:5163341.1/22

Out: 0.000+/-0.000 χ^2/NDF:6422793.2/26

All: 0.000+/-0.000 χ^2/NDF: 11593430.5/49



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: 71.590+/-24.825 χ^2/NDF:4.6/6

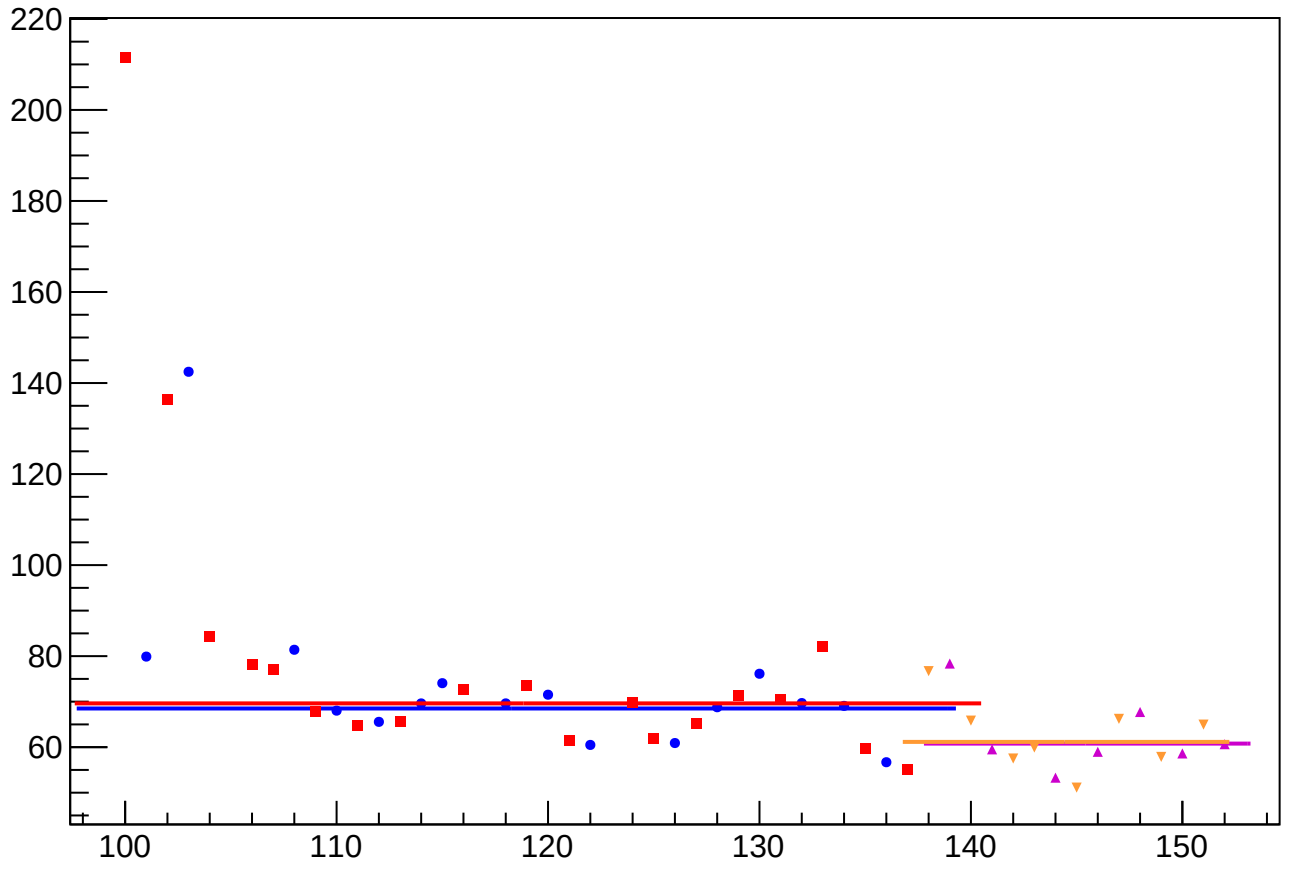
Left: 74.808+/-17.587 χ^2/NDF: 10.4/14

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 36.433+/-18.025 χ^2/NDF:26.5/22

Out: 69.232+/-18.116 χ^2/NDF:31.7/26

All: 52.750+/-12.778 χ^2/NDF: 59.9/49



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: 60.784+/-0.018 χ^2/NDF:141715.0/6

Left: 60.971+/-0.012 χ^2/NDF: 298240.9/14

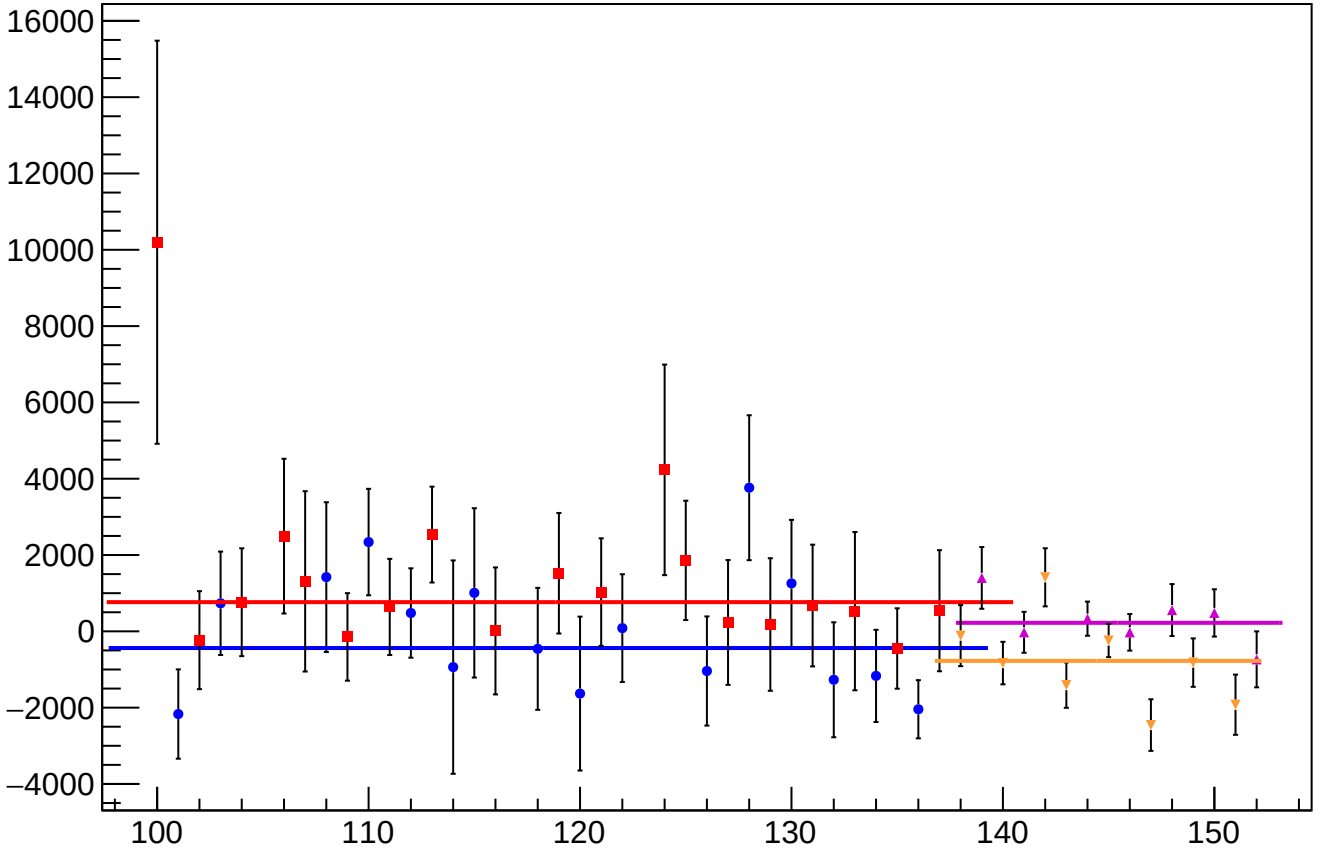
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 64.432+/-0.013 χ^2/NDF:704895.2/22

Out: 65.149+/-0.013 χ^2/NDF:785395.2/26

All: 64.788+/-0.009 χ^2/NDF: 1491864.0/49

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: 223.447+/-218.408 χ^2/NDF:4.8/6

Left: -274.184+/-154.623 χ^2/NDF: 35.1/14

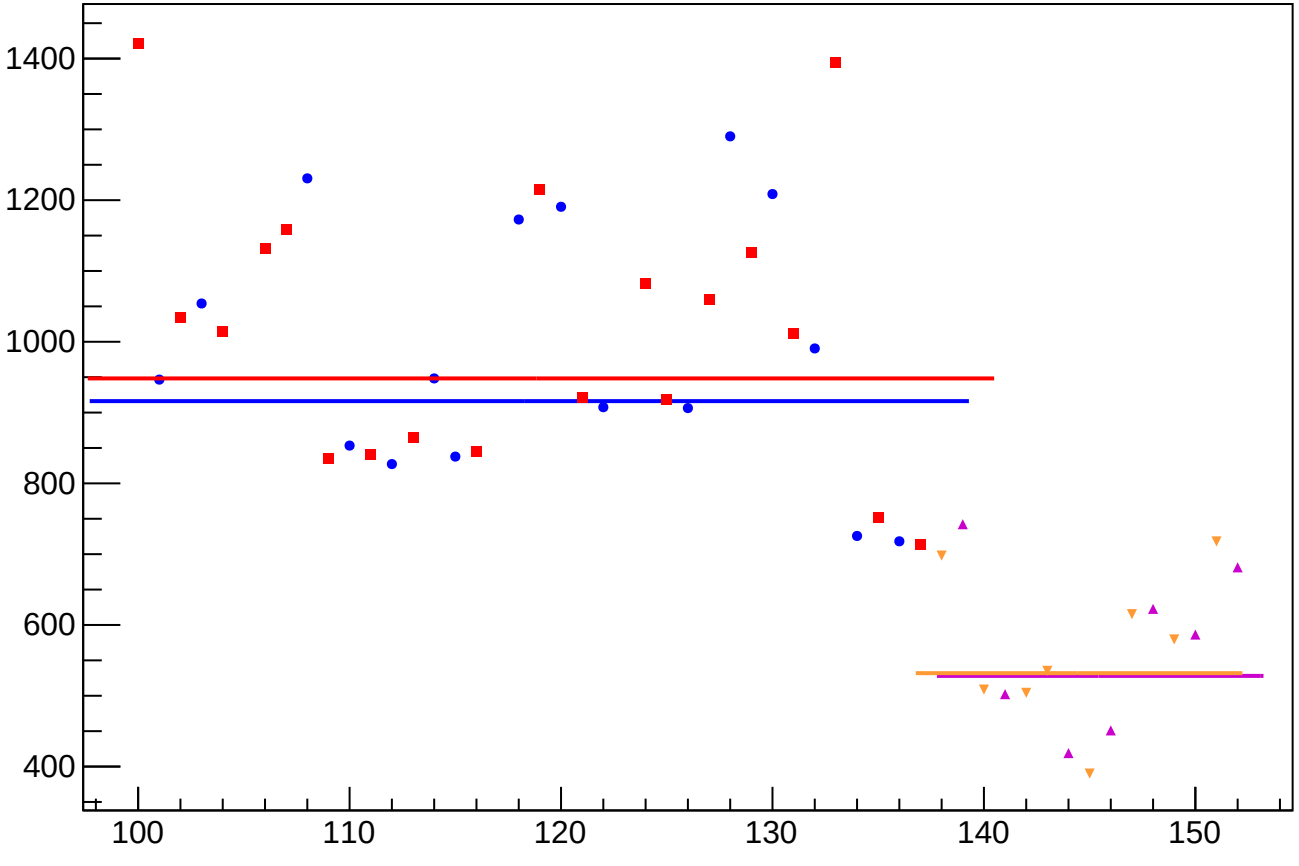
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 37.364+/-185.124 χ^2/NDF:27.9/22

Out: -346.616+/-186.062 χ^2/NDF:45.0/26

All: -153.655+/-131.233 χ^2/NDF: 75.0/49

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 531.925+/-0.155 χ^2/NDF:456620.3/7

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 528.072+/-0.154 χ^2/NDF:458859.3/6

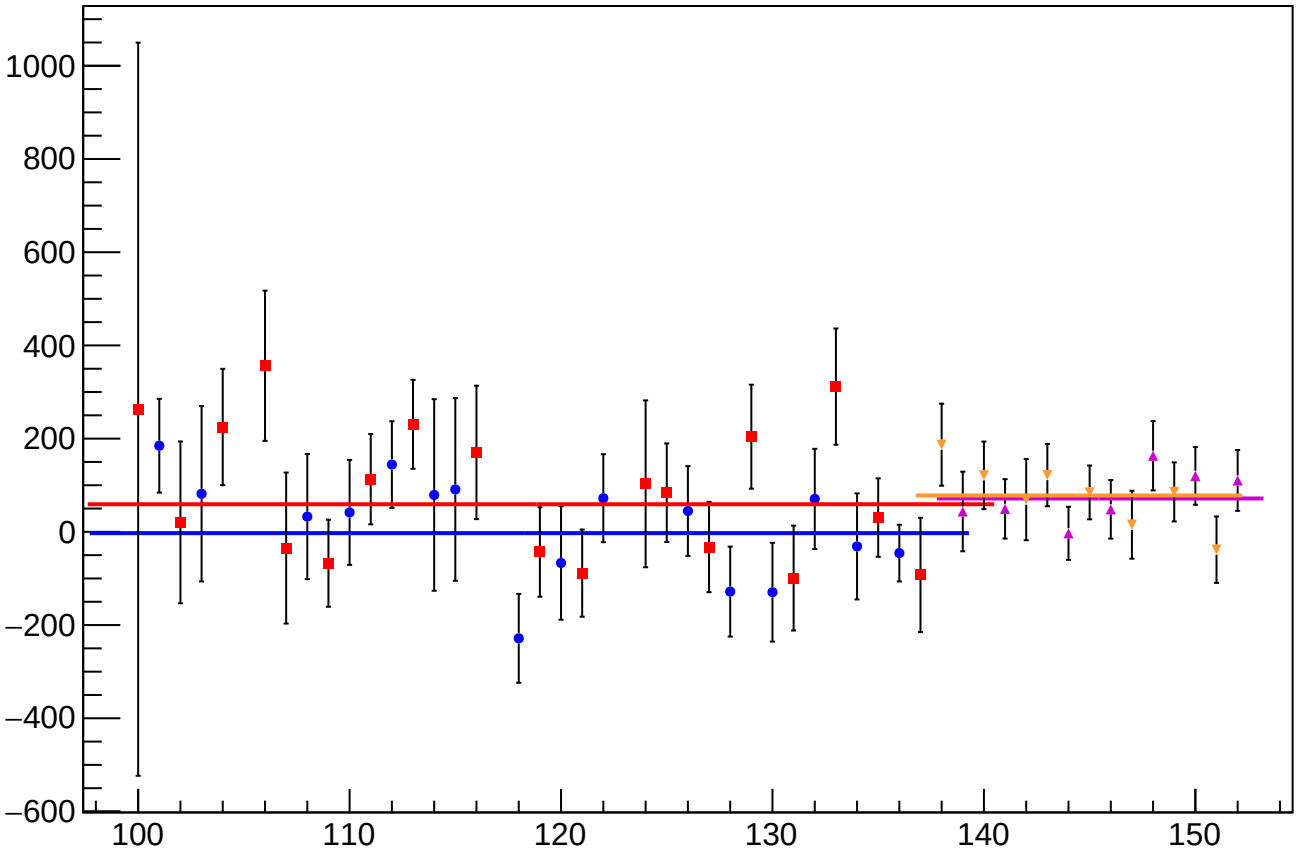
Left: 529.994+/-0.109 χ^2/NDF: 915790.1/14

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 637.346+/-0.131 χ^2/NDF:2746068.2/22

Out: 647.551+/-0.132 χ^2/NDF:2880348.9/26

All: 642.423+/-0.093 χ^2/NDF: 5629440.8/49



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: 71.592+/-24.825 χ^2/NDF:4.6/6

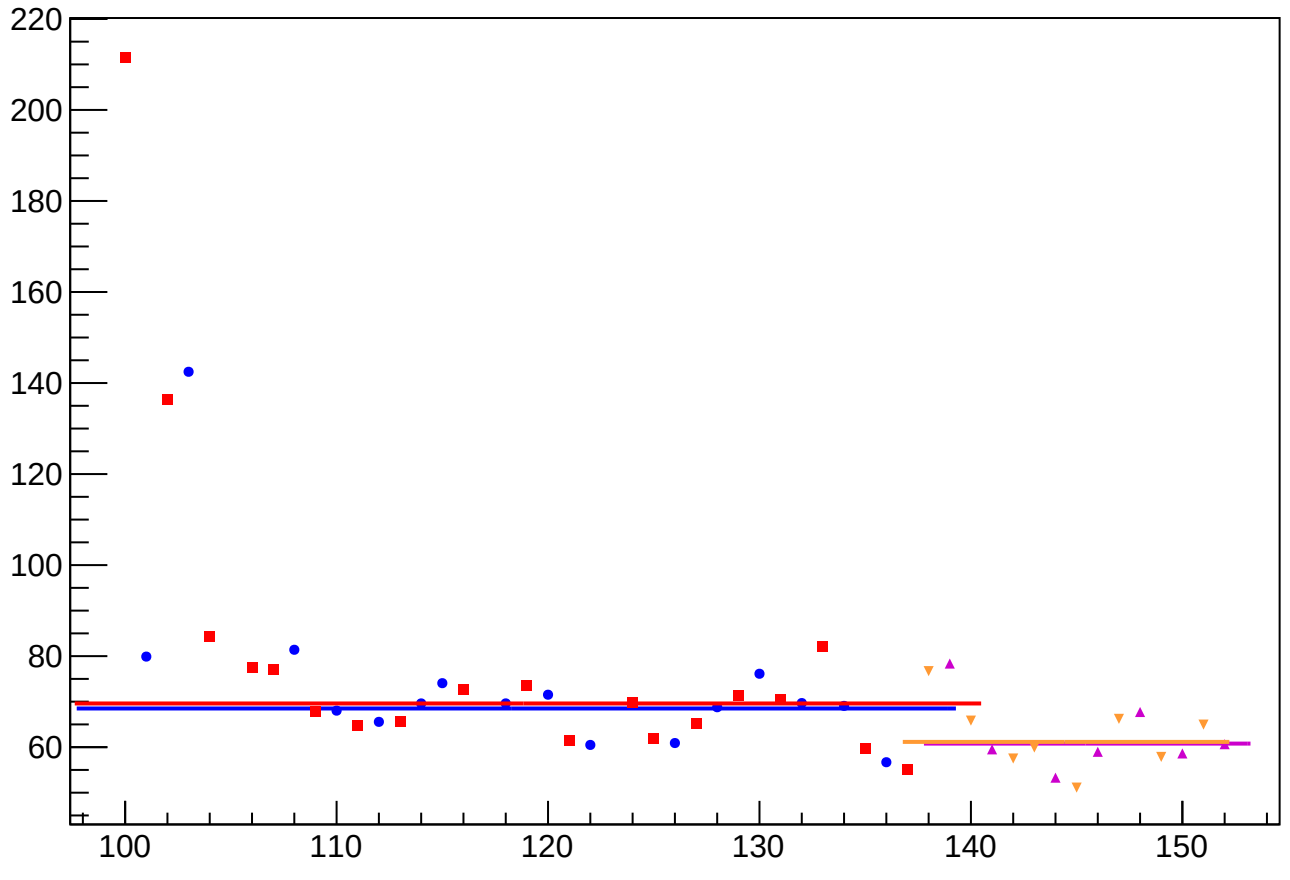
Left: 74.812+/-17.587 χ^2/NDF: 10.4/14

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 36.430+/-18.025 χ^2/NDF:26.5/22

Out: 69.179+/-18.116 χ^2/NDF:31.7/26

All: 52.721+/-12.778 χ^2/NDF: 59.8/49



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: 60.784+/-0.018 χ^2/NDF:141715.0/6

Left: 60.971+/-0.012 χ^2/NDF: 298240.9/14

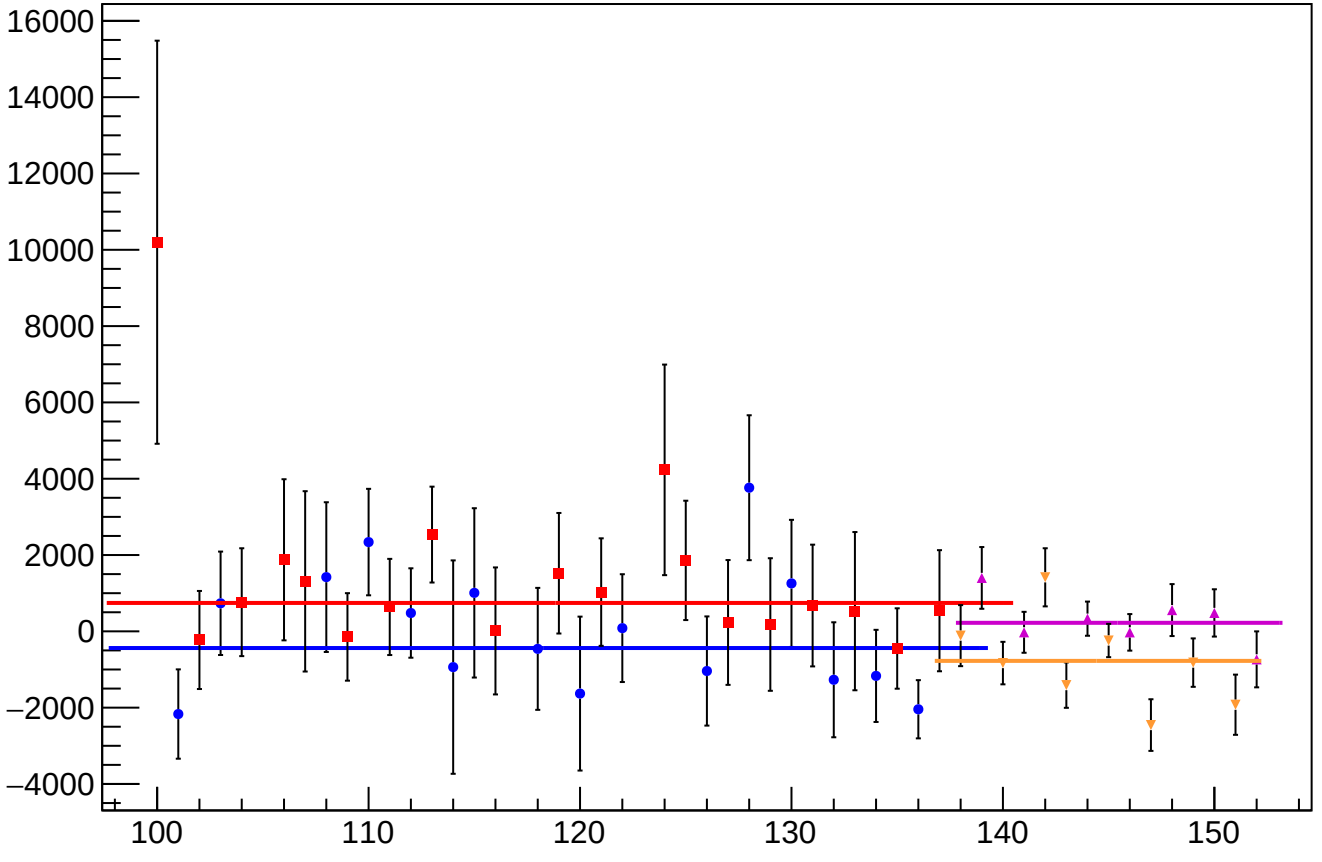
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 64.432+/-0.013 χ^2/NDF:704898.2/22

Out: 65.139+/-0.013 χ^2/NDF:784281.4/26

All: 64.784+/-0.009 χ^2/NDF: 1490712.8/49

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: 223.451+/-218.408 χ^2/NDF:4.8/6

Left: -274.178+/-154.623 χ^2/NDF: 35.1/14

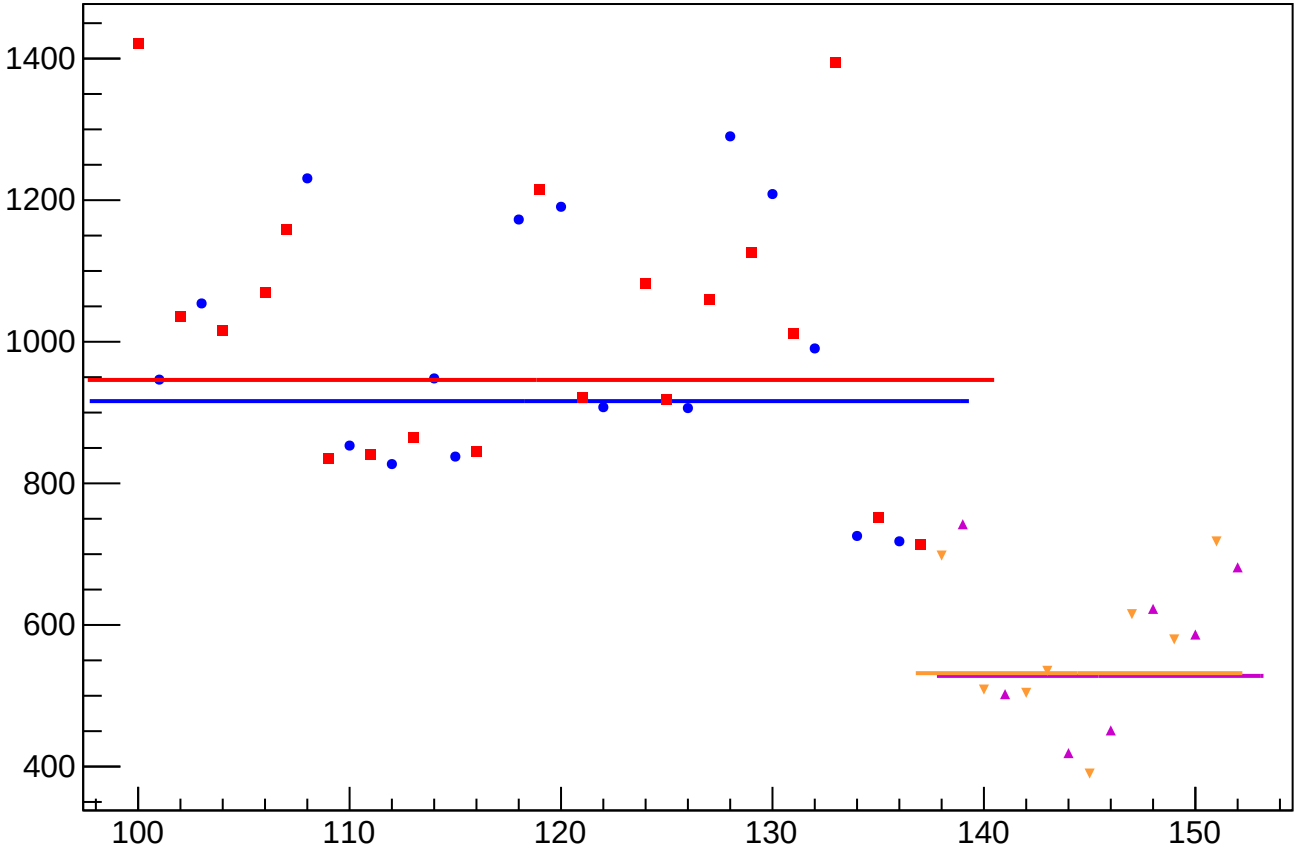
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 37.378+/-185.124 χ^2/NDF:27.9/22

Out: -353.181+/-186.126 χ^2/NDF:44.1/26

All: -156.848+/-131.255 χ^2/NDF: 74.2/49

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: 528.072+/-0.154 χ^2/NDF:458858.5/6

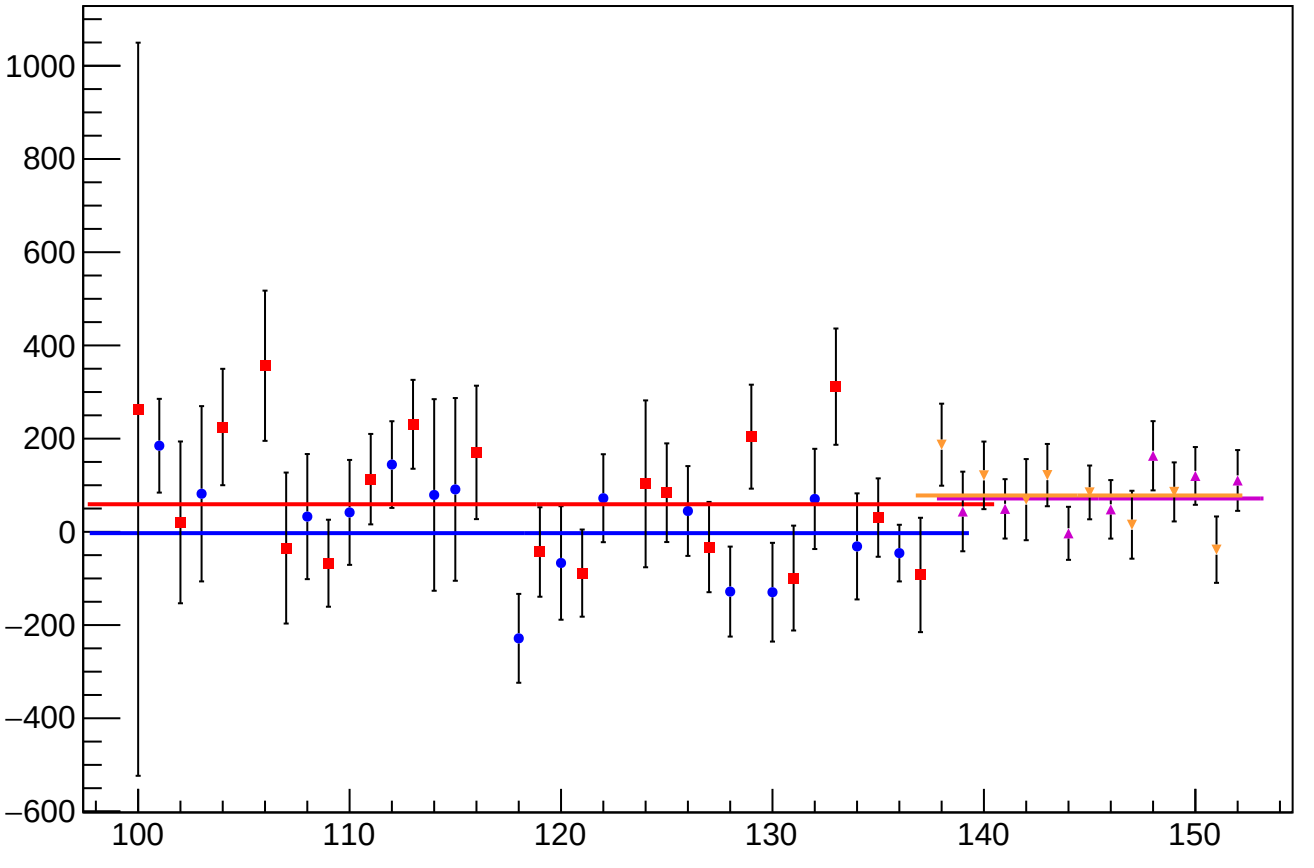
Left: 529.994+/-0.109 χ^2/NDF: 915791.9/14

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 637.346+/-0.131 χ^2/NDF:2746109.4/22

Out: 646.751+/-0.132 χ^2/NDF:2846409.9/26

All: 642.023+/-0.093 χ^2/NDF: 5595086.2/49



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: 71.592+/-24.825 χ^2/NDF:4.6/6

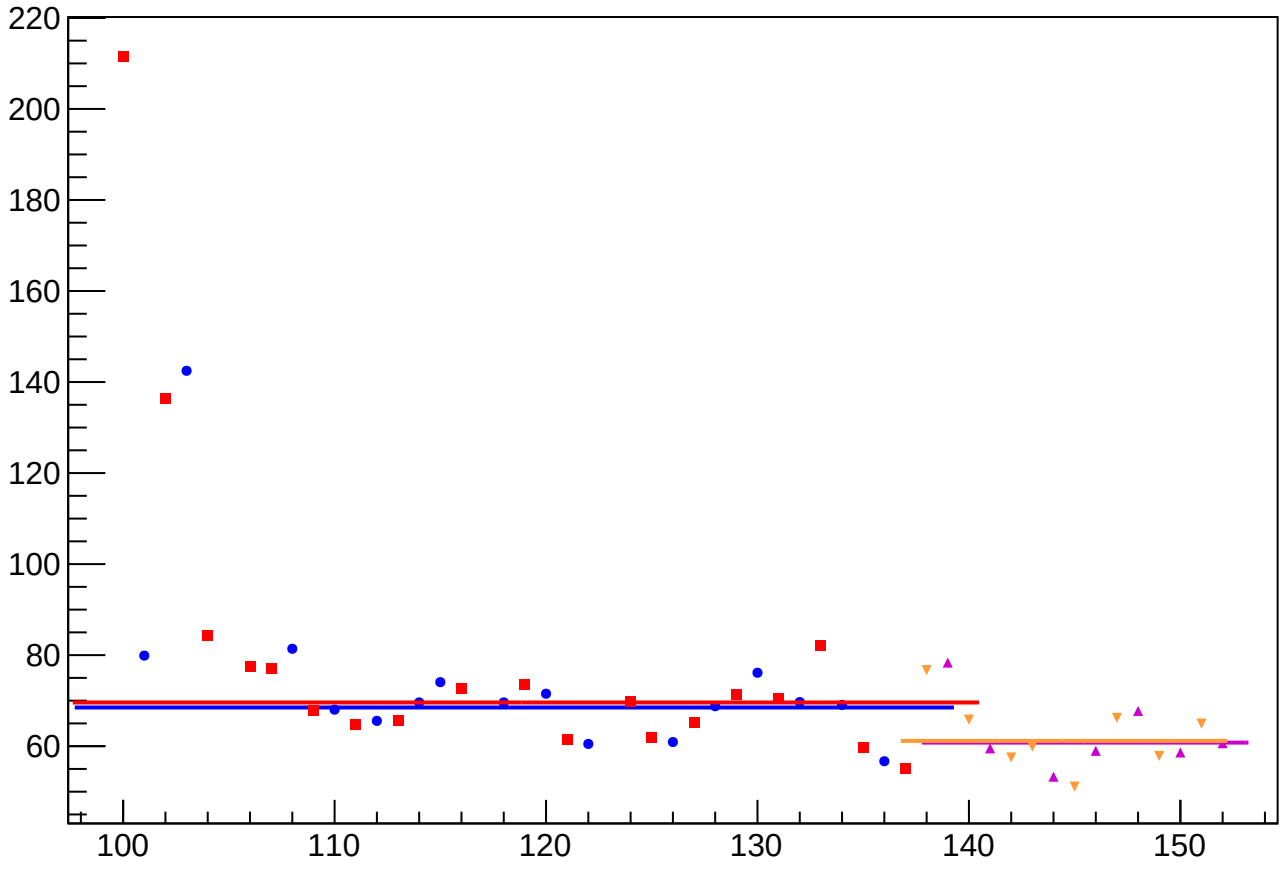
Left: 74.812+/-17.587 χ^2/NDF: 10.4/14

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 36.430+/-18.025 χ^2/NDF:26.5/22

Out: 69.179+/-18.116 χ^2/NDF:31.7/26

All: 52.721+/-12.778 χ^2/NDF: 59.8/49



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: 60.784+/-0.018 χ^2/NDF:141715.0/6

Left: 60.971+/-0.012 χ^2/NDF: 298240.9/14

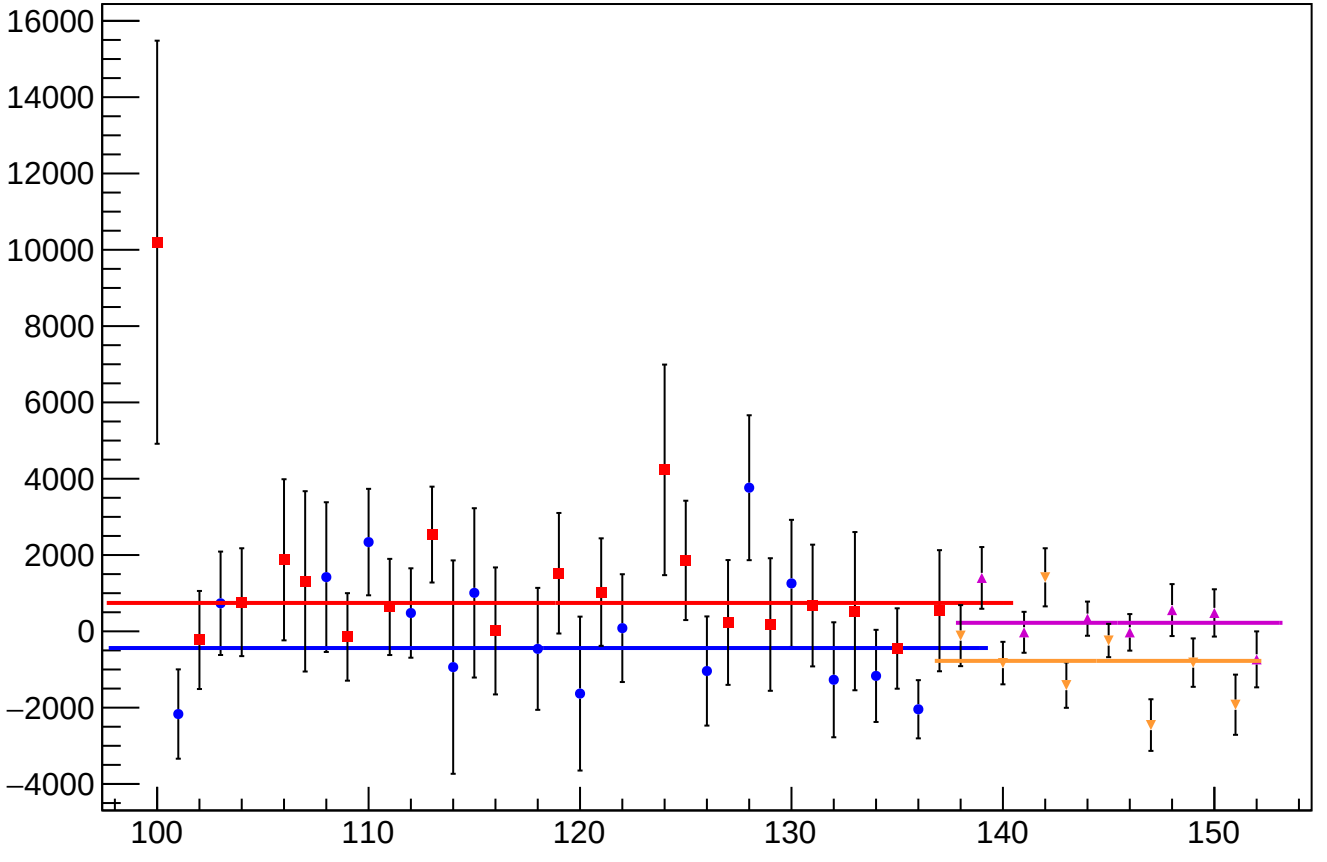
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 64.432+/-0.013 χ^2/NDF:704898.2/22

Out: 65.139+/-0.013 χ^2/NDF:784281.4/26

All: 64.784+/-0.009 χ^2/NDF: 1490712.8/49

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: 223.451+/-218.408 χ^2/NDF:4.8/6

Left: -274.178+/-154.623 χ^2/NDF: 35.1/14

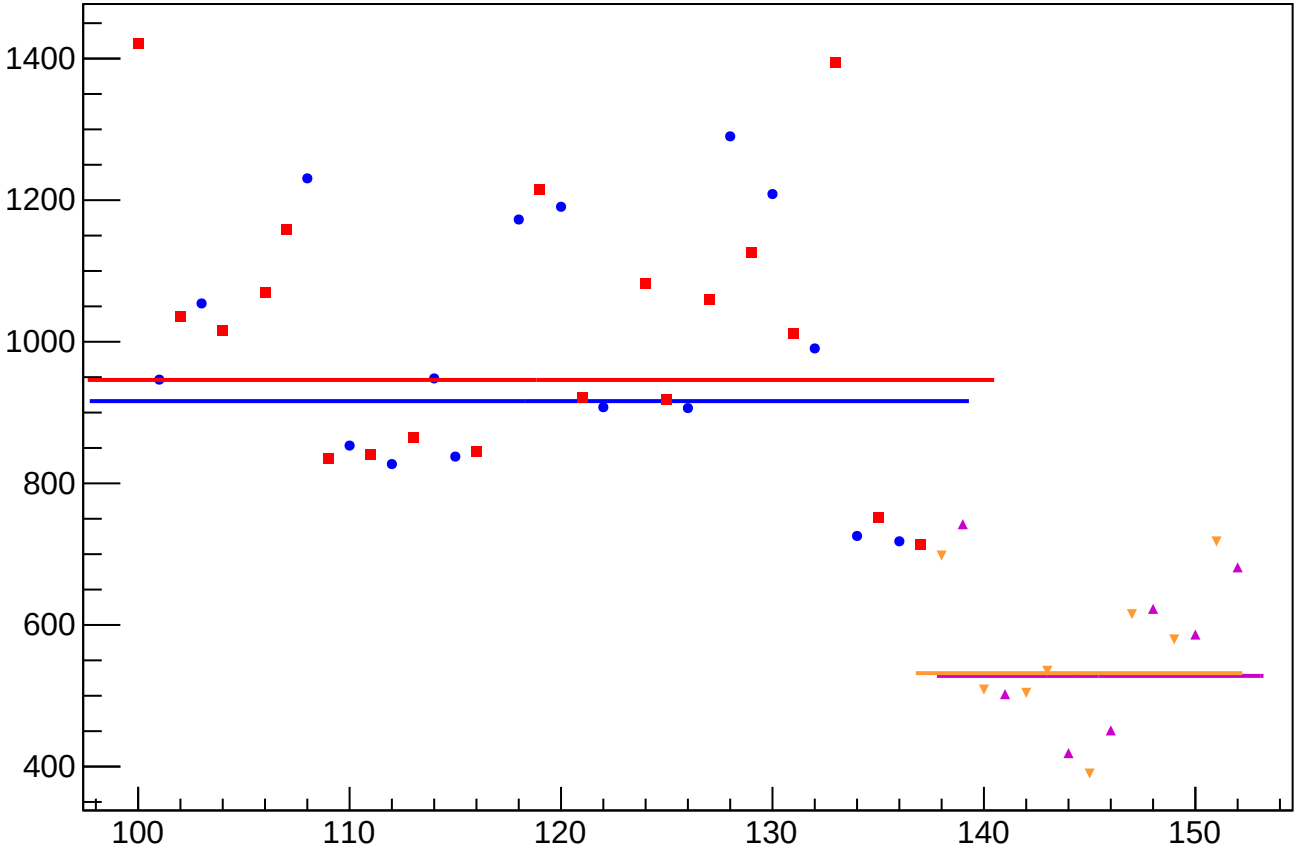
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 37.378+/-185.124 χ^2/NDF:27.9/22

Out: -353.181+/-186.126 χ^2/NDF:44.1/26

All: -156.848+/-131.255 χ^2/NDF: 74.2/49

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: 528.072+/-0.154 χ^2/NDF:458858.5/6

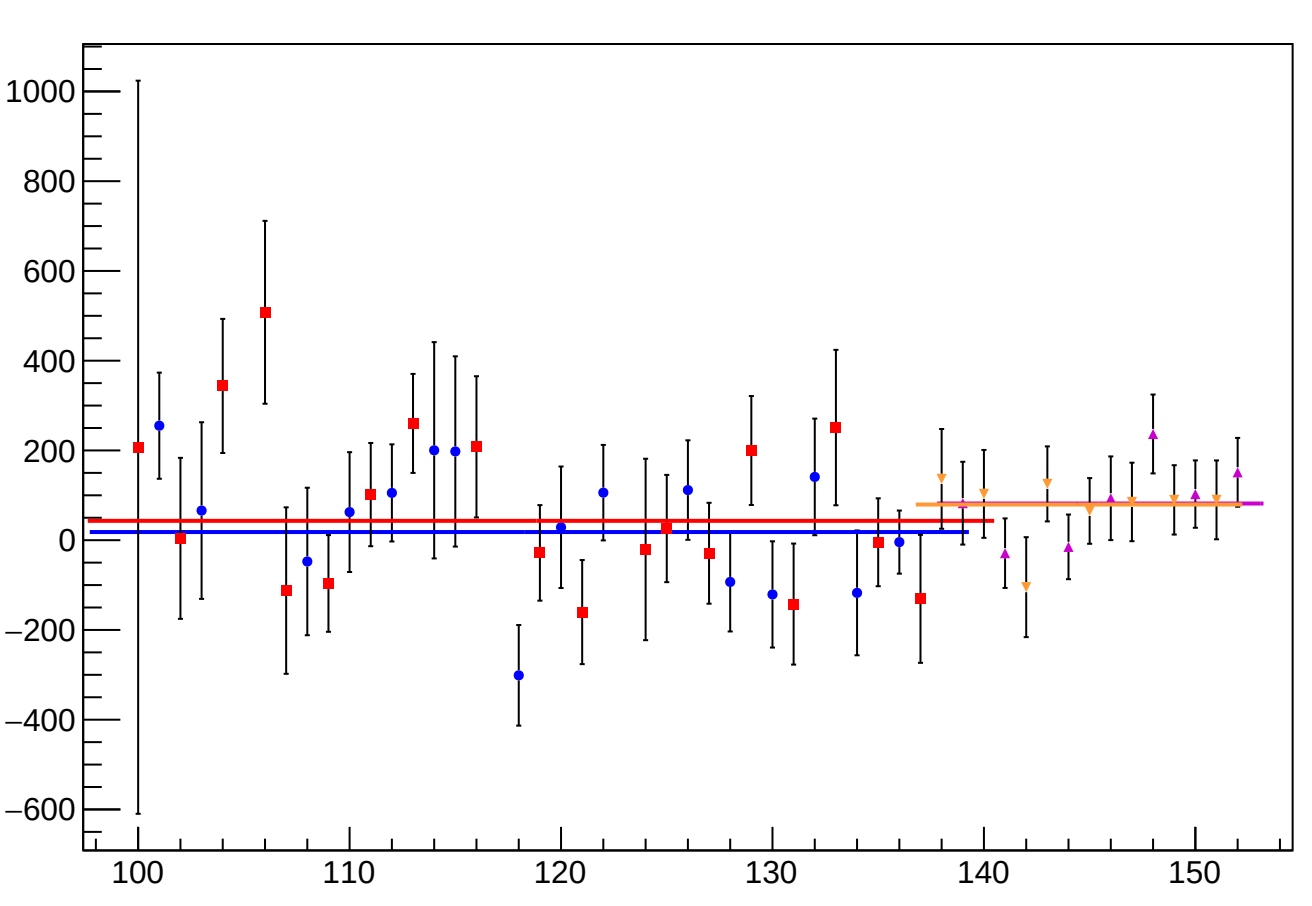
Left: 529.994+/-0.109 χ^2/NDF: 915791.9/14

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 637.346+/-0.131 χ^2/NDF:2746109.4/22

Out: 646.751+/-0.132 χ^2/NDF:2846409.9/26

All: 642.023+/-0.093 χ^2/NDF: 5595086.2/49



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: 81.729+/-30.589 χ^2/NDF:7.9/6

Left: 80.623+/-21.863 χ^2/NDF: 11.3/14

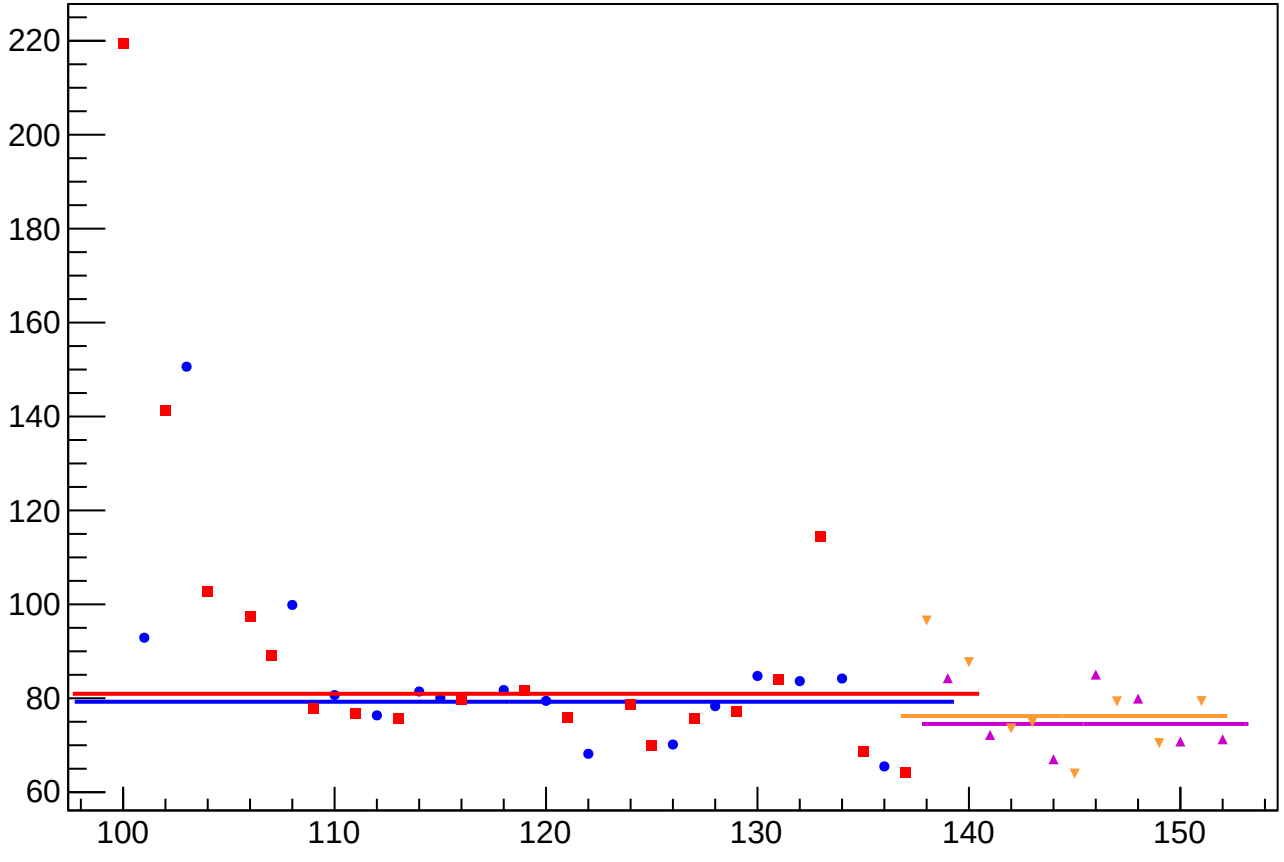
Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 49.699+/-21.543 χ^2/NDF:30.2/22

Out: 60.984+/-21.905 χ^2/NDF:31.8/26

All: 55.247+/-15.360 χ^2/NDF: 62.2/49

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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: 74.539+/-0.022 χ^2/NDF:87413.1/6

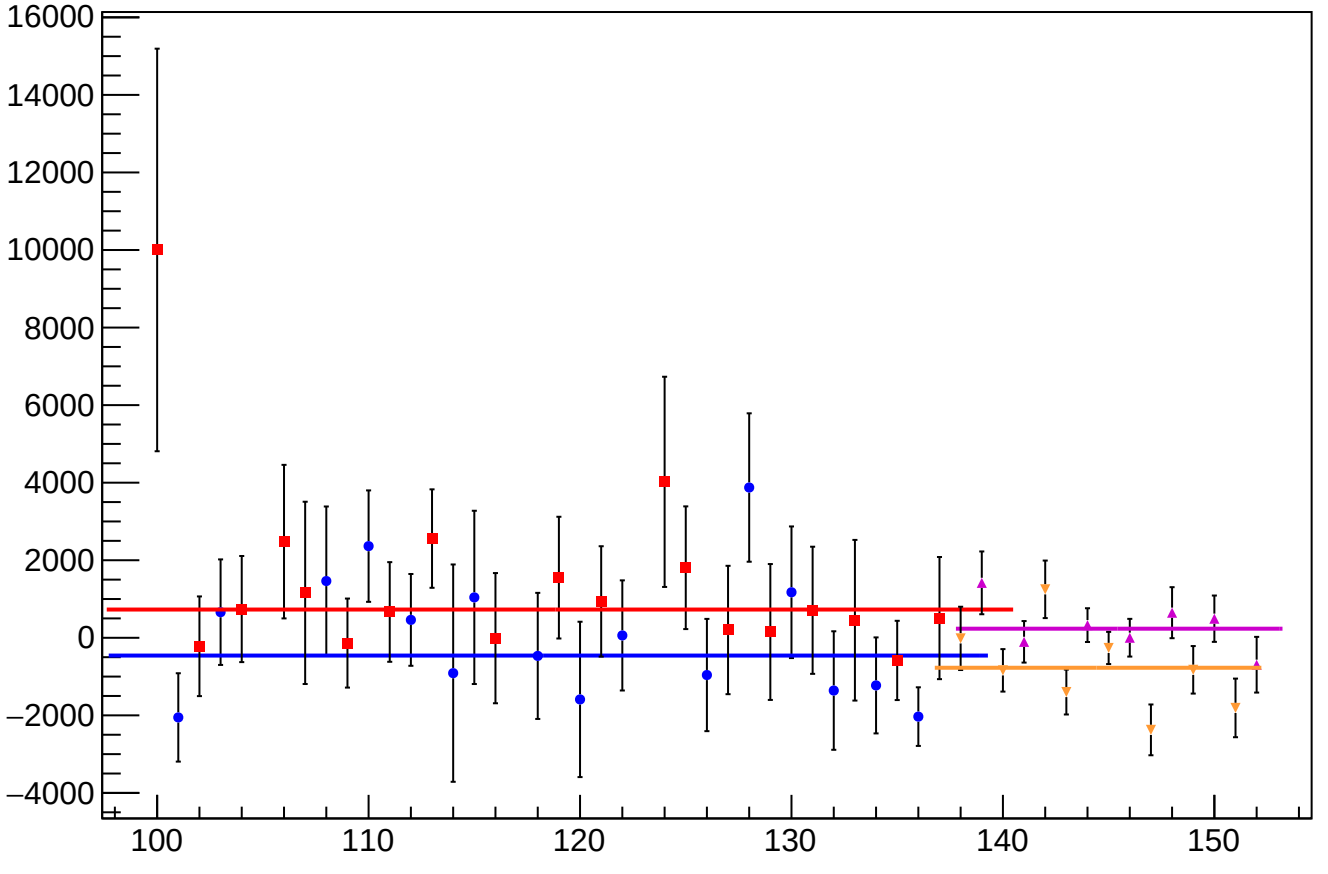
Left: 75.364+/-0.015 χ^2/NDF: 258701.4/14

Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 76.920+/-0.015 χ^2/NDF:556408.3/22

Out: 78.634+/-0.015 χ^2/NDF:705833.5/26

All: 77.762+/-0.011 χ^2/NDF: 1268467.1/49



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: 234.712+/-215.304 χ^2/NDF:5.1/6

Left: -276.087+/-151.169 χ^2/NDF: 35.0/14

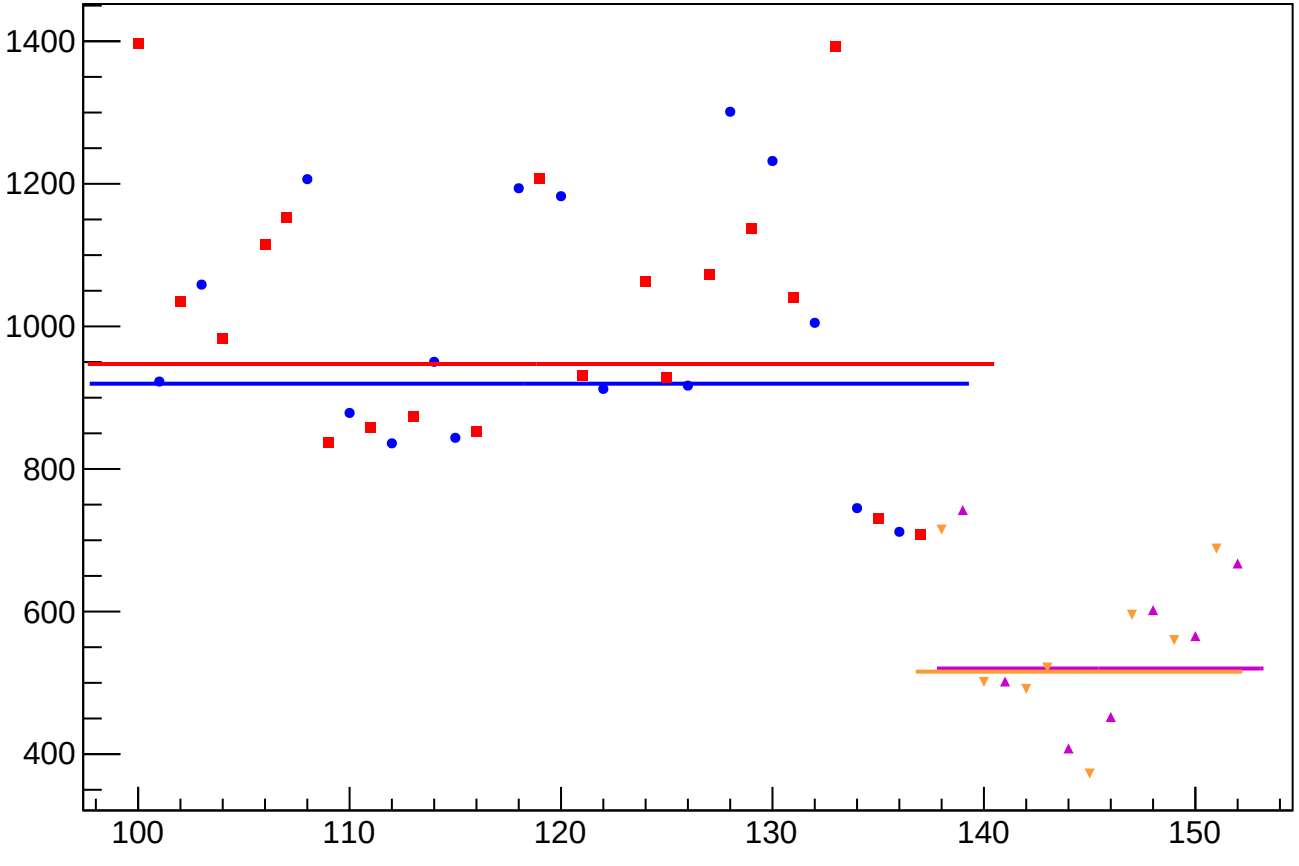
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 44.571+/-183.395 χ^2/NDF:28.2/22

Out: -373.189+/-181.872 χ^2/NDF:43.7/26

All: -166.052+/-129.138 χ^2/NDF: 74.5/49

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: 520.084+/-0.152 χ^2/NDF:451600.2/6

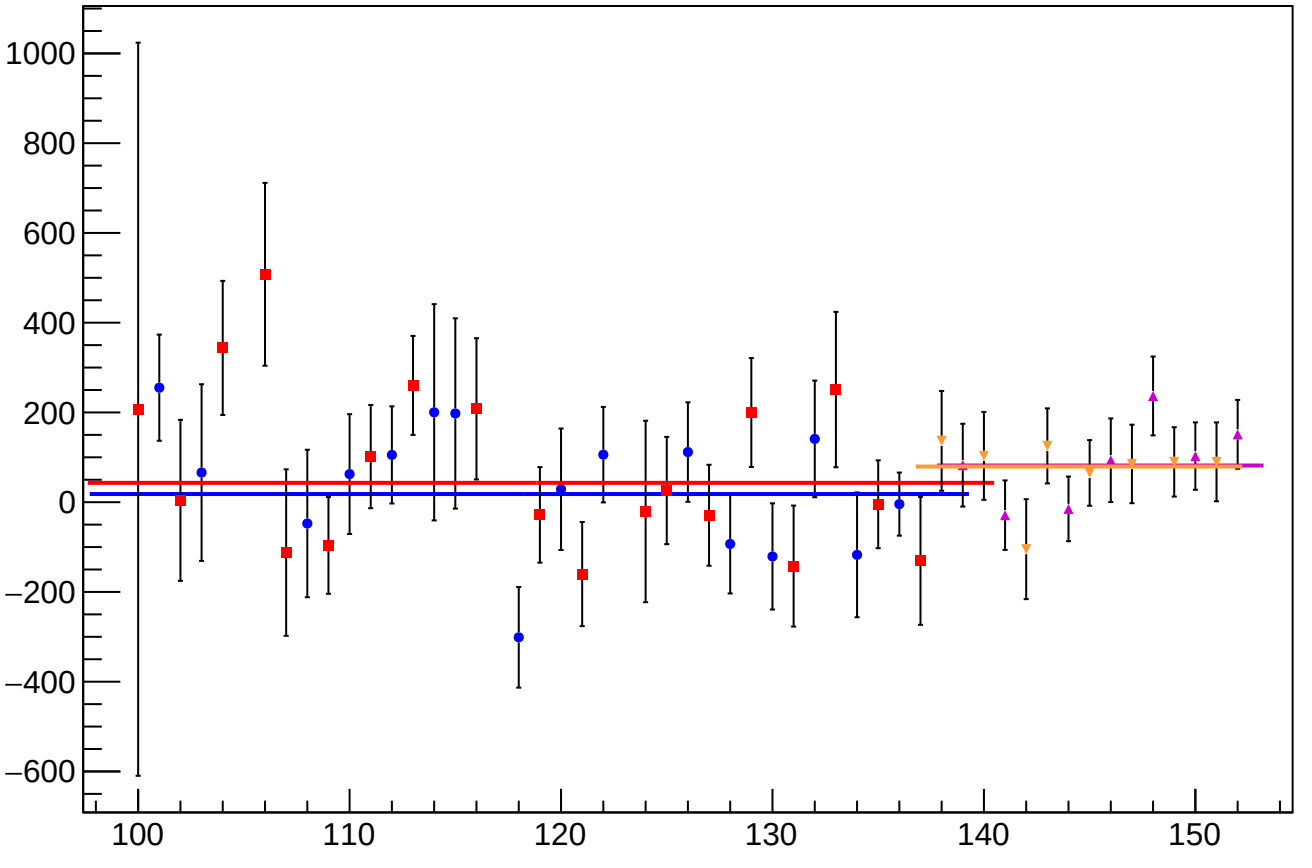
Left: 517.859+/-0.107 χ^2/NDF: 956800.8/14

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 629.740+/-0.130 χ^2/NDF:2857340.5/22

Out: 630.533+/-0.129 χ^2/NDF:3129669.5/26

All: 630.140+/-0.091 χ^2/NDF: 5987028.9/49



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: 81.730+/-30.589 χ^2/NDF:7.9/6

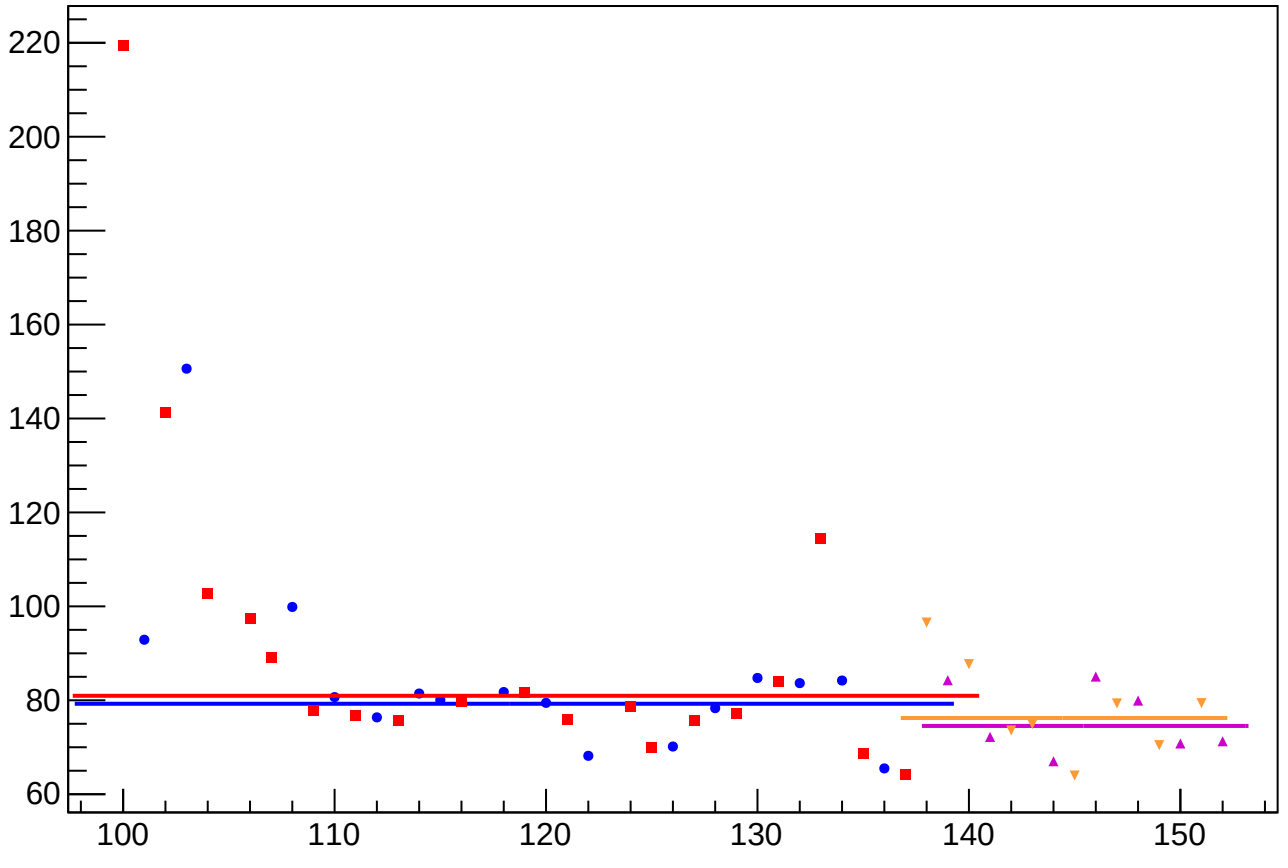
Left: 80.623+/-21.863 χ^2/NDF: 11.3/14

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 49.699+/-21.543 χ^2/NDF:30.2/22

Out: 60.983+/-21.905 χ^2/NDF:31.8/26

All: 55.247+/-15.360 χ^2/NDF: 62.2/49



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: 74.539+/-0.022 χ^2/NDF:87411.1/6

Left: 75.364+/-0.015 χ^2/NDF: 258691.9/14

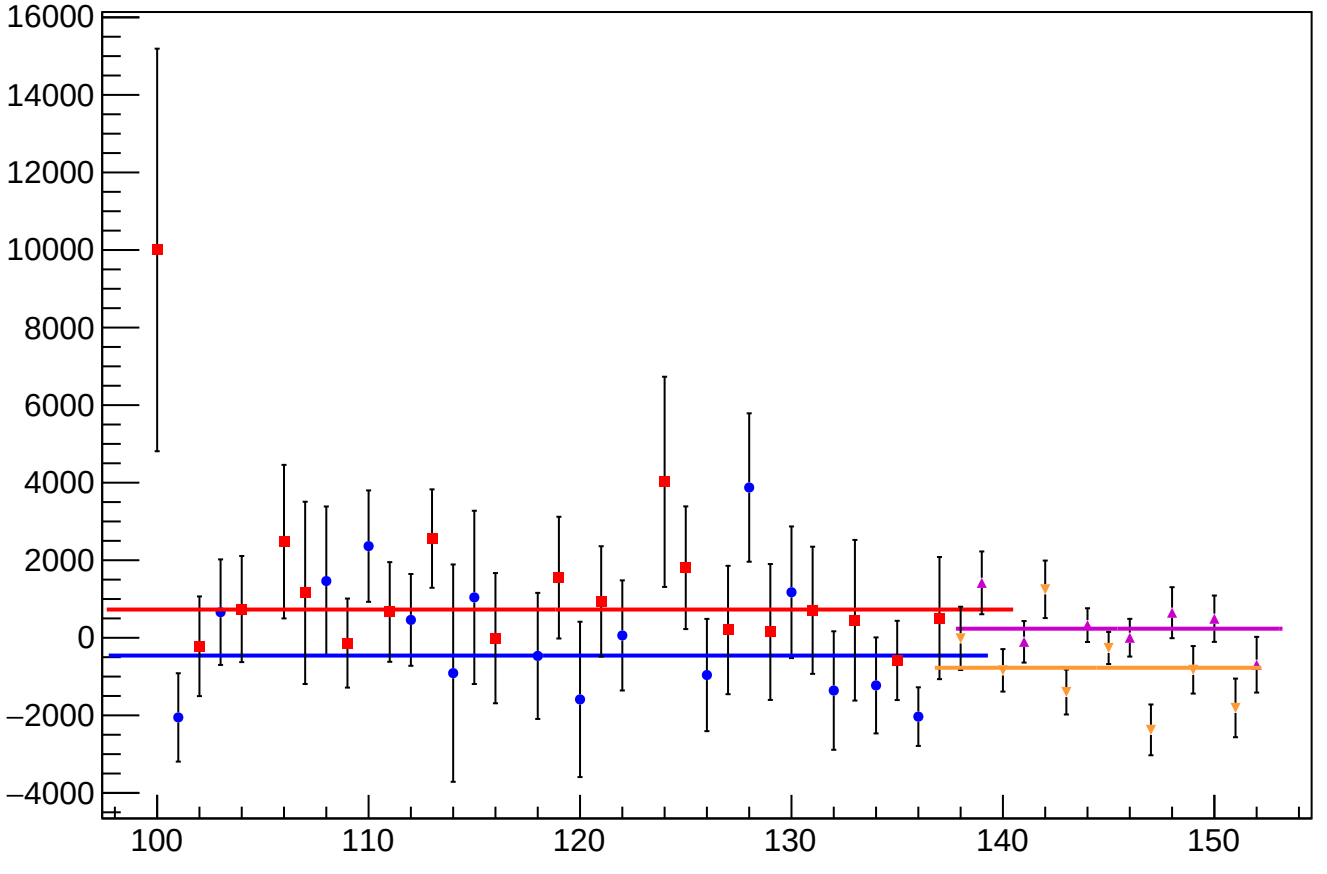
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 76.920+/-0.015 χ^2/NDF:556397.3/22

Out: 78.634+/-0.015 χ^2/NDF:705828.4/26

All: 77.763+/-0.011 χ^2/NDF: 1268451.4/49

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: 234.711+/-215.304 χ^2/NDF:5.1/6

Left: -276.088+/-151.169 χ^2/NDF: 35.0/14

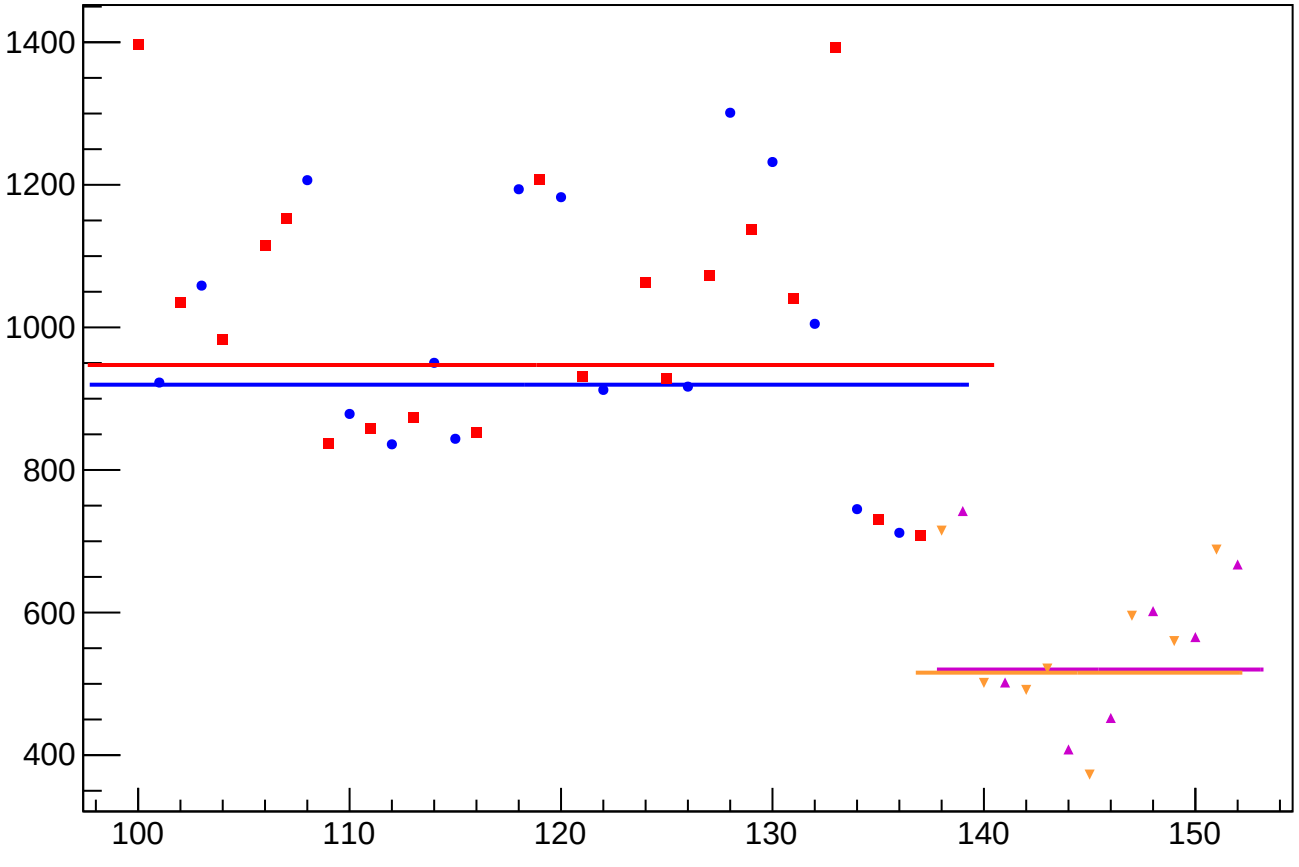
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 44.572+/-183.395 χ^2/NDF:28.2/22

Out: -373.189+/-181.871 χ^2/NDF:43.7/26

All: -166.052+/-129.138 χ^2/NDF: 74.5/49

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: 520.084+/-0.152 χ^2/NDF:451599.4/6

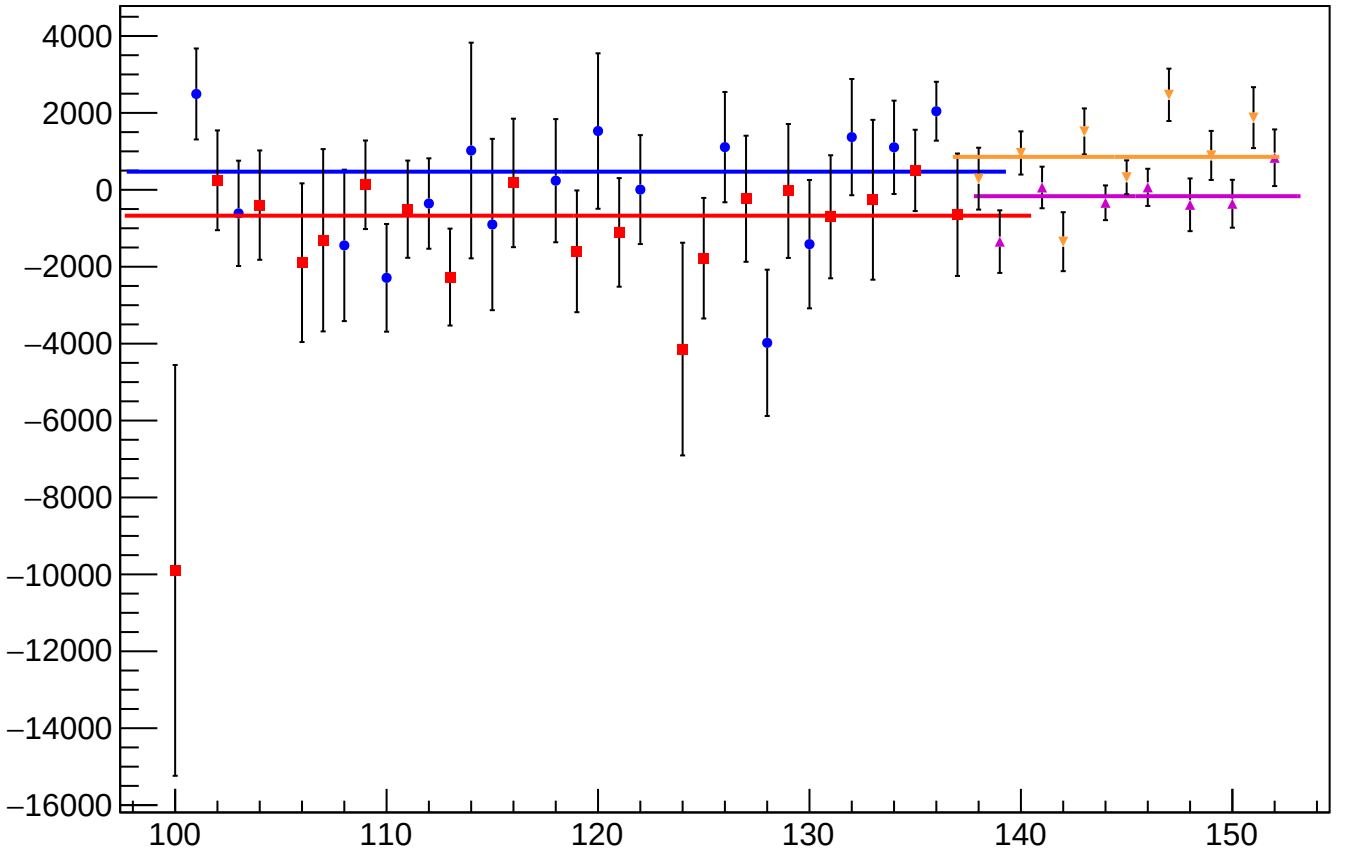
Left: 517.858+/-0.107 χ^2/NDF: 956802.9/14

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 629.739+/-0.130 χ^2/NDF:2857333.2/22

Out: 630.532+/-0.129 χ^2/NDF:3129669.7/26

All: 630.139+/-0.091 χ^2/NDF: 5987021.8/49



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: -166.007+/-219.960 χ^2/NDF:4.7/6

Left: 344.043+/-155.717 χ^2/NDF: 34.2/14

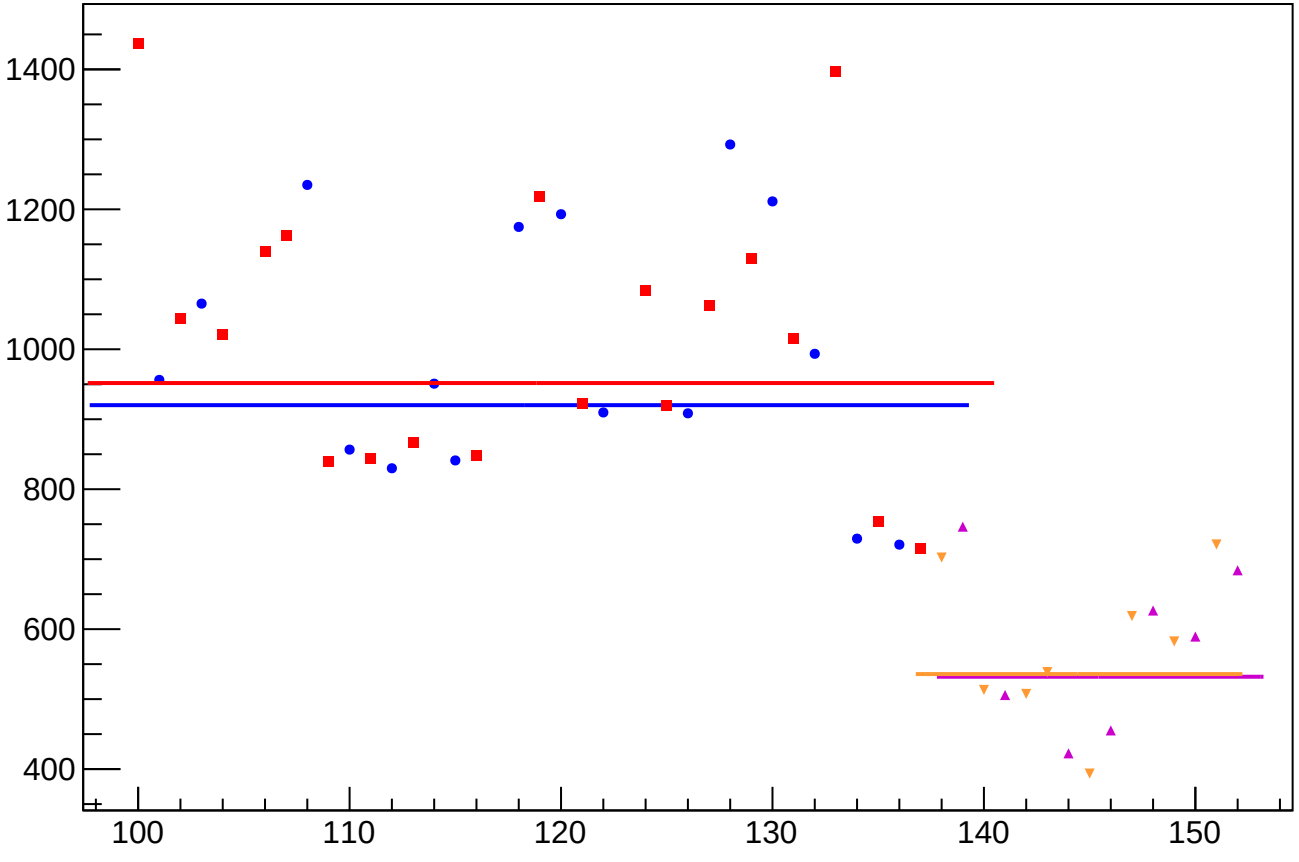
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 14.360+/-186.292 χ^2/NDF:28.6/22

Out: 430.036+/-187.221 χ^2/NDF:42.5/26

All: 221.164+/-132.056 χ^2/NDF: 73.5/49

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: 531.991+/-0.156 χ^2/NDF:452076.7/6

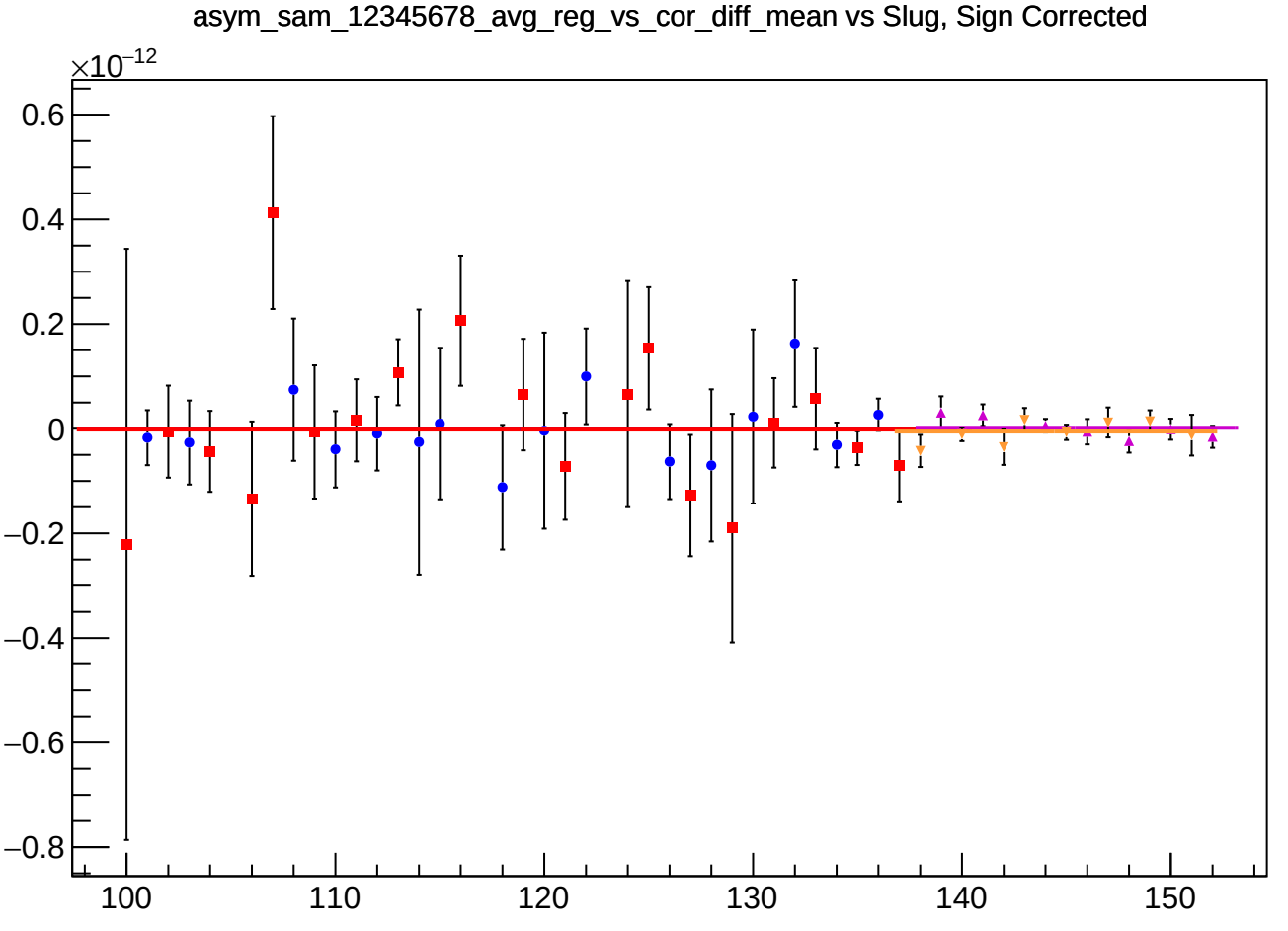
Left: 533.896+/-0.110 χ^2/NDF: 902535.2/14

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 641.716+/-0.132 χ^2/NDF:2721223.3/22

Out: 651.809+/-0.132 χ^2/NDF:2851342.2/26

All: 646.737+/-0.093 χ^2/NDF: 5575486.2/49



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:4.5/6

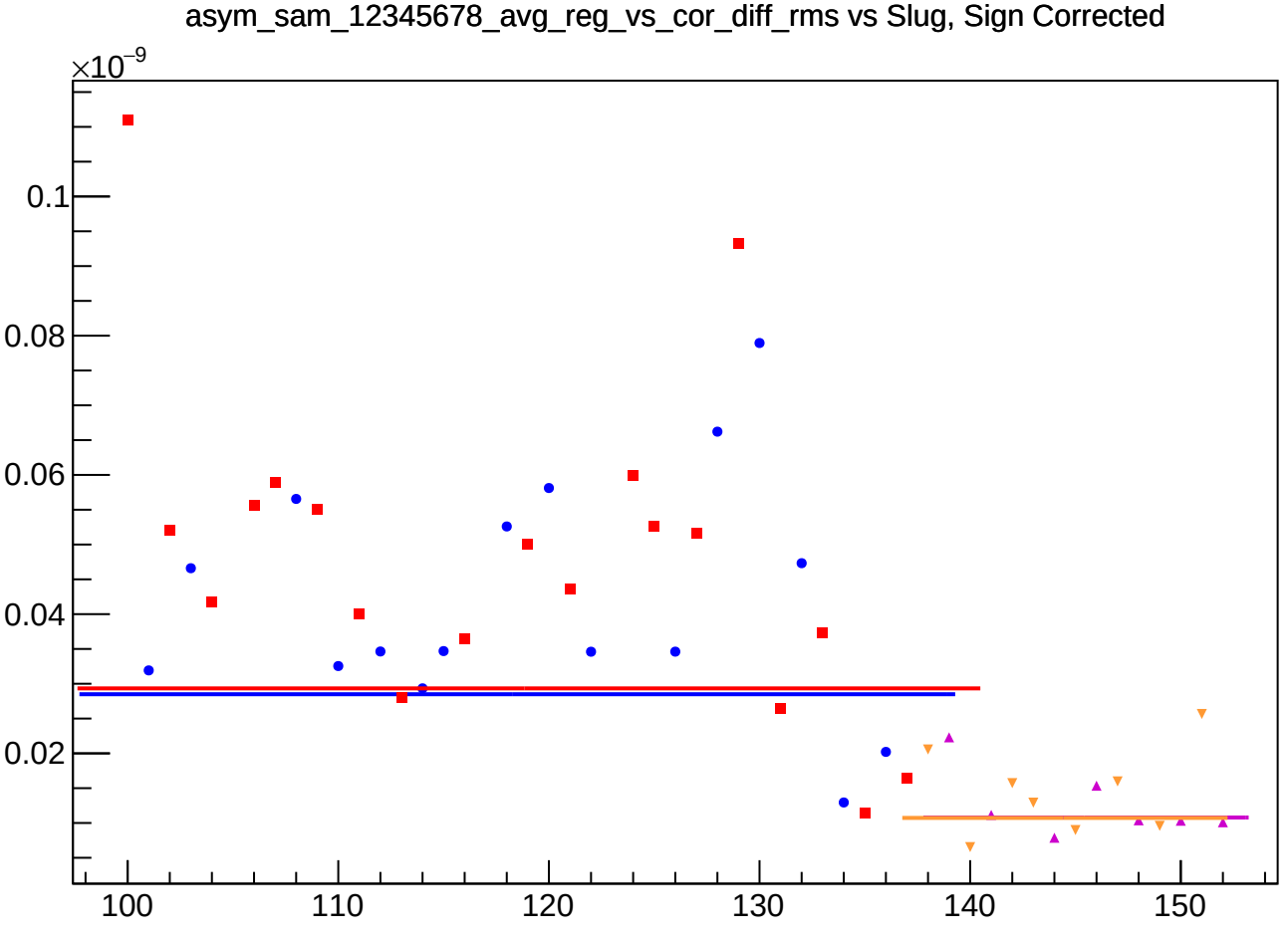
Left: -0.000+/-0.000 χ^2/NDF: 9.6/14

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:11.5/22

Out: -0.000+/-0.000 χ^2/NDF:24.1/26

All: -0.000+/-0.000 χ^2/NDF: 36.0/49



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:449123.9/6

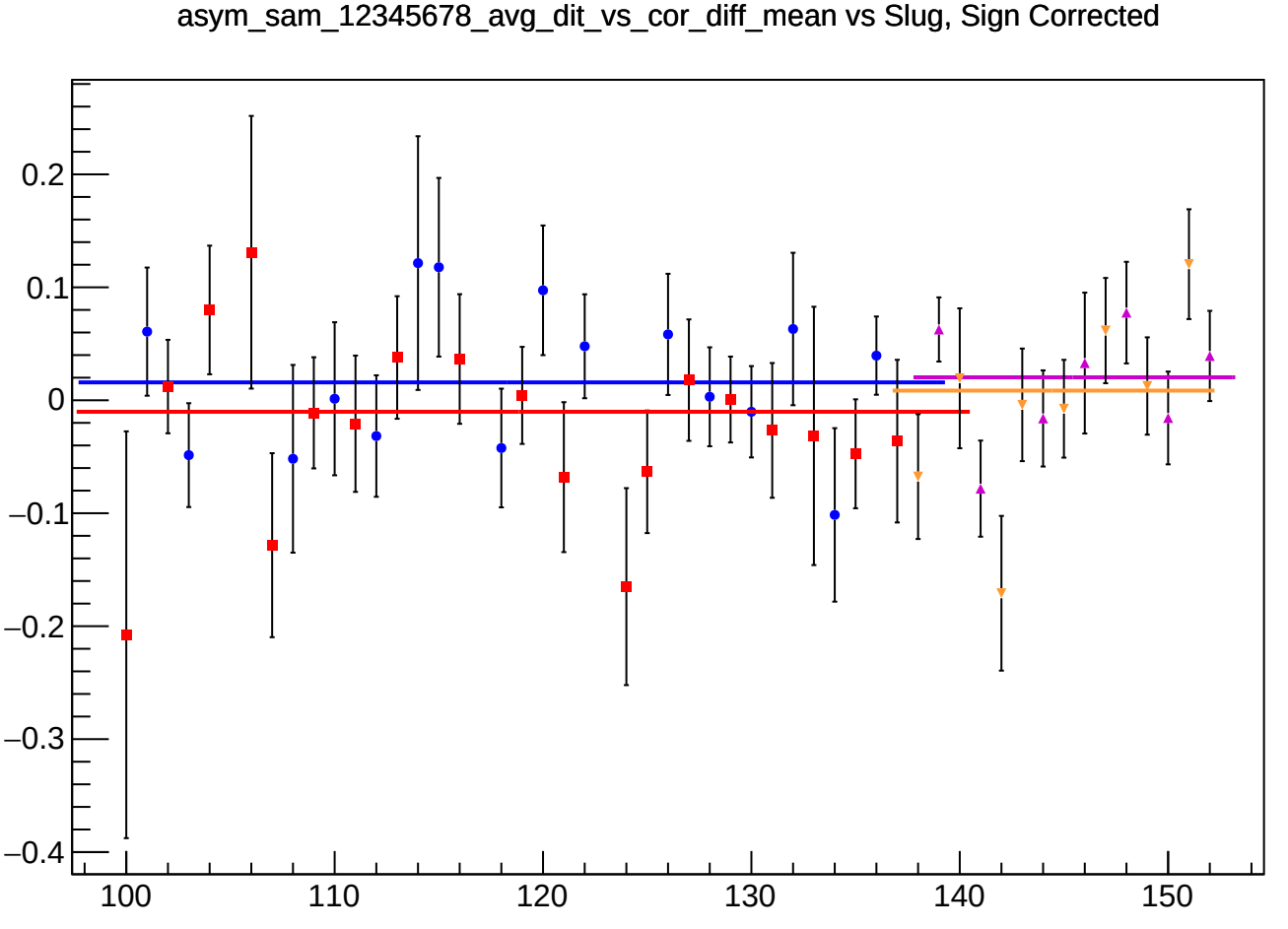
Left: 0.000+/-0.000 χ^2/NDF: 1314294.5/14

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3296395.8/22

Out: 0.000+/-0.000 χ^2/NDF:4140128.6/26

All: 0.000+/-0.000 χ^2/NDF: 7439675.0/49



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: 0.020+/-0.015 χ^2/NDF:11.0/6

Left: 0.015+/-0.012 χ^2/NDF: 26.8/14

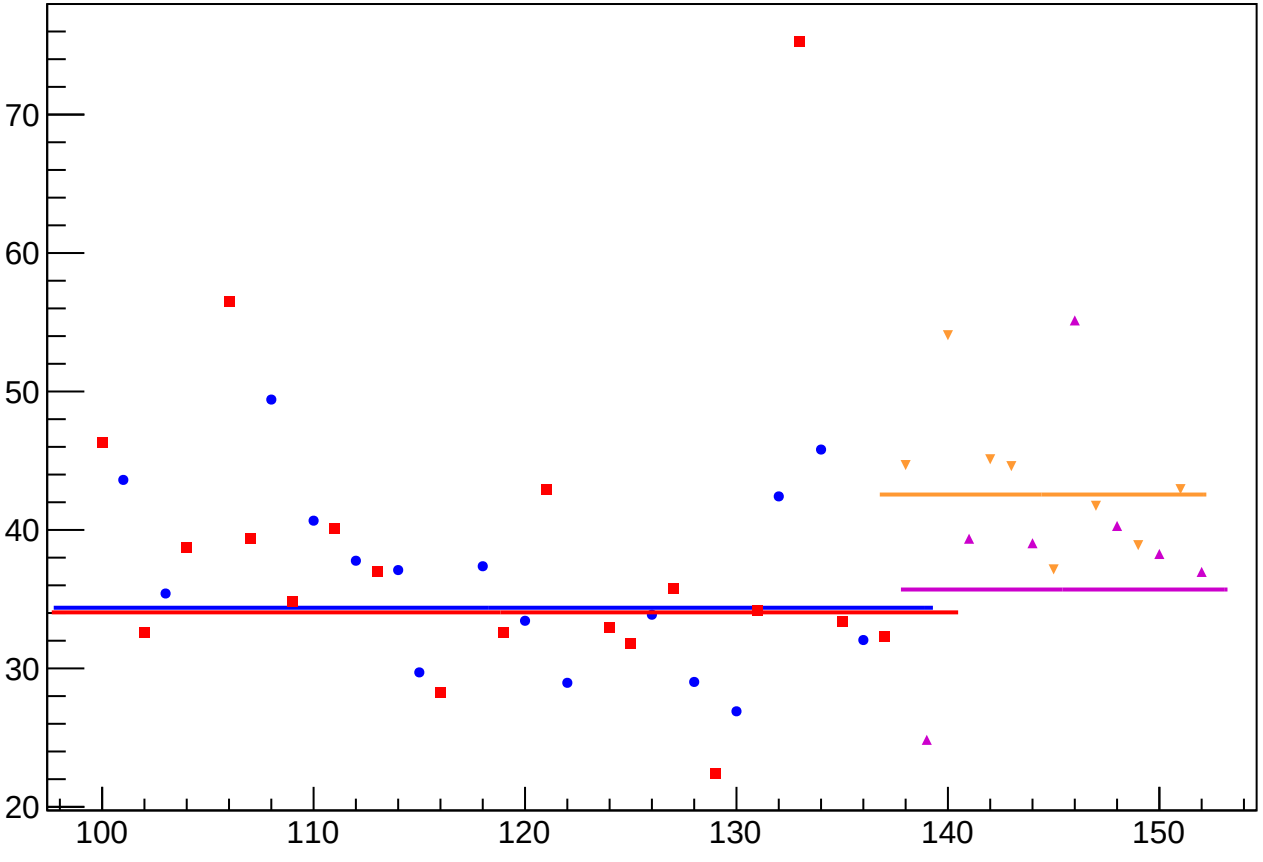
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.018+/-0.010 χ^2/NDF:25.8/22

Out: -0.004+/-0.011 χ^2/NDF:31.4/26

All: 0.008+/-0.007 χ^2/NDF: 59.4/49

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: 35.698+/-0.011 χ^2/NDF:544427.8/6

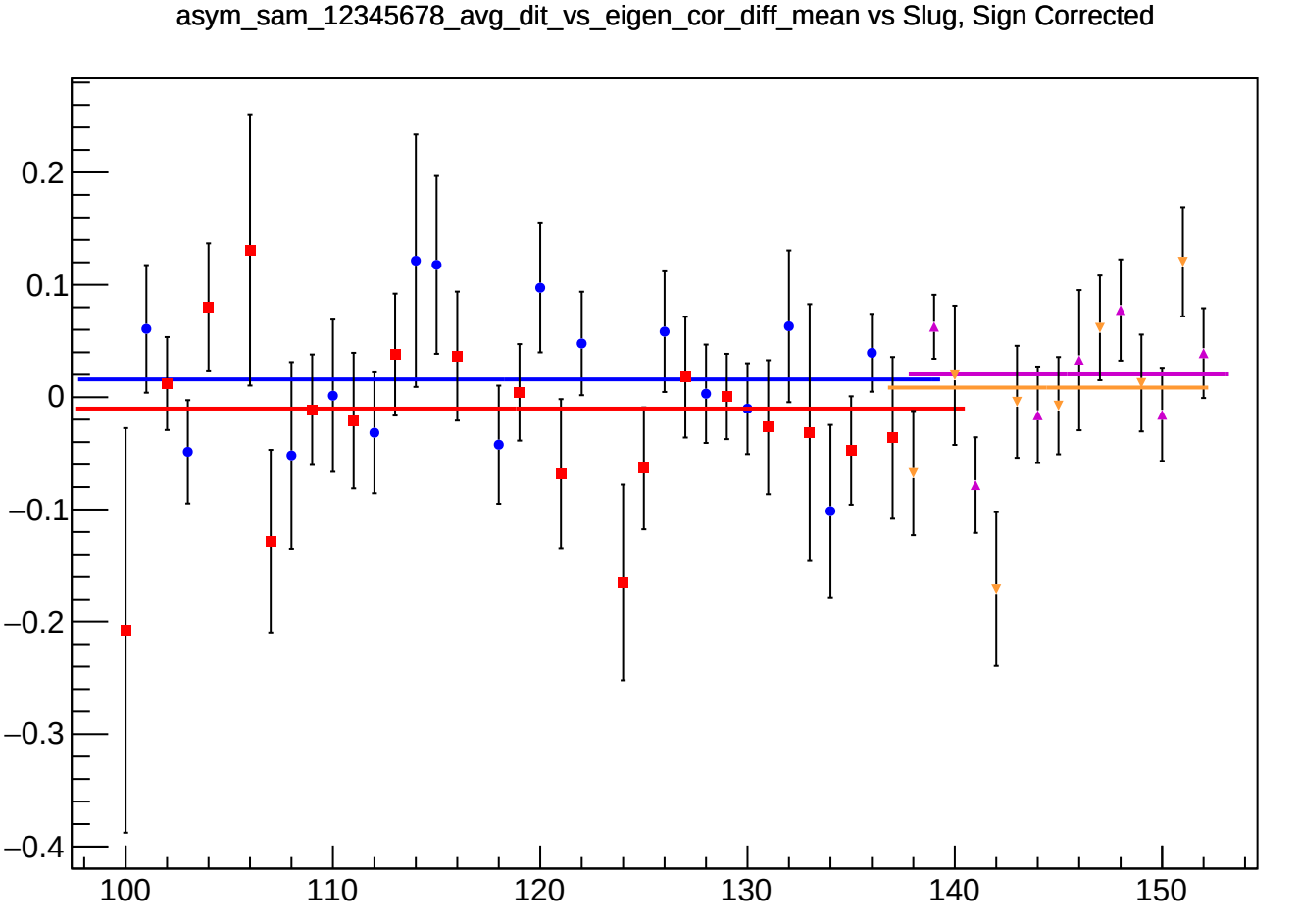
Left: 38.597+/-0.008 χ^2/NDF: 840575.2/14

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.956+/-0.007 χ^2/NDF:920732.7/22

Out: 37.071+/-0.007 χ^2/NDF:1062222.2/26

All: 35.958+/-0.005 χ^2/NDF: 2024855.9/49



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: 0.020+/-0.015 χ^2/NDF:11.0/6

Left: 0.015+/-0.012 χ^2/NDF: 26.8/14

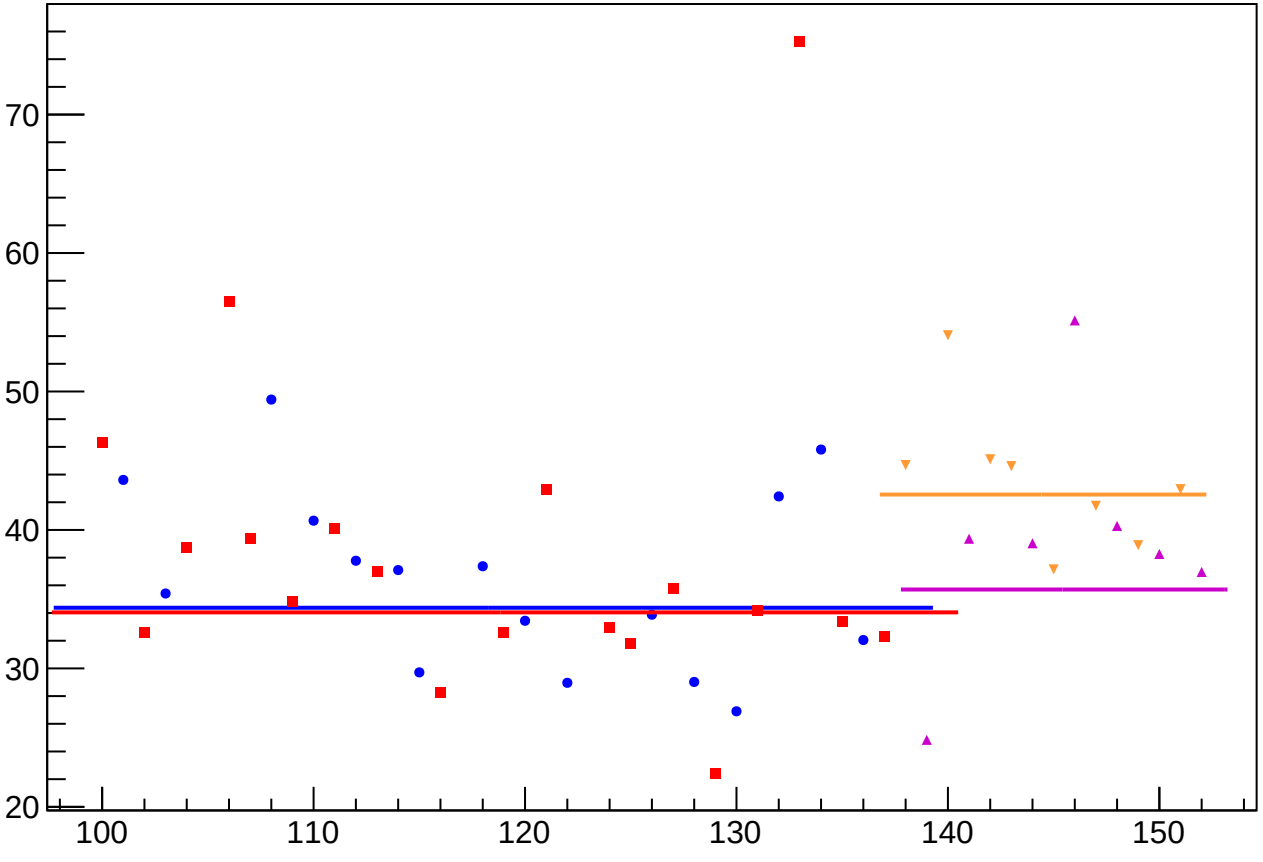
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.018+/-0.010 χ^2/NDF:25.8/22

Out: -0.004+/-0.011 χ^2/NDF:31.4/26

All: 0.008+/-0.007 χ^2/NDF: 59.4/49

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: 35.698+/-0.011 χ^2/NDF:544427.8/6

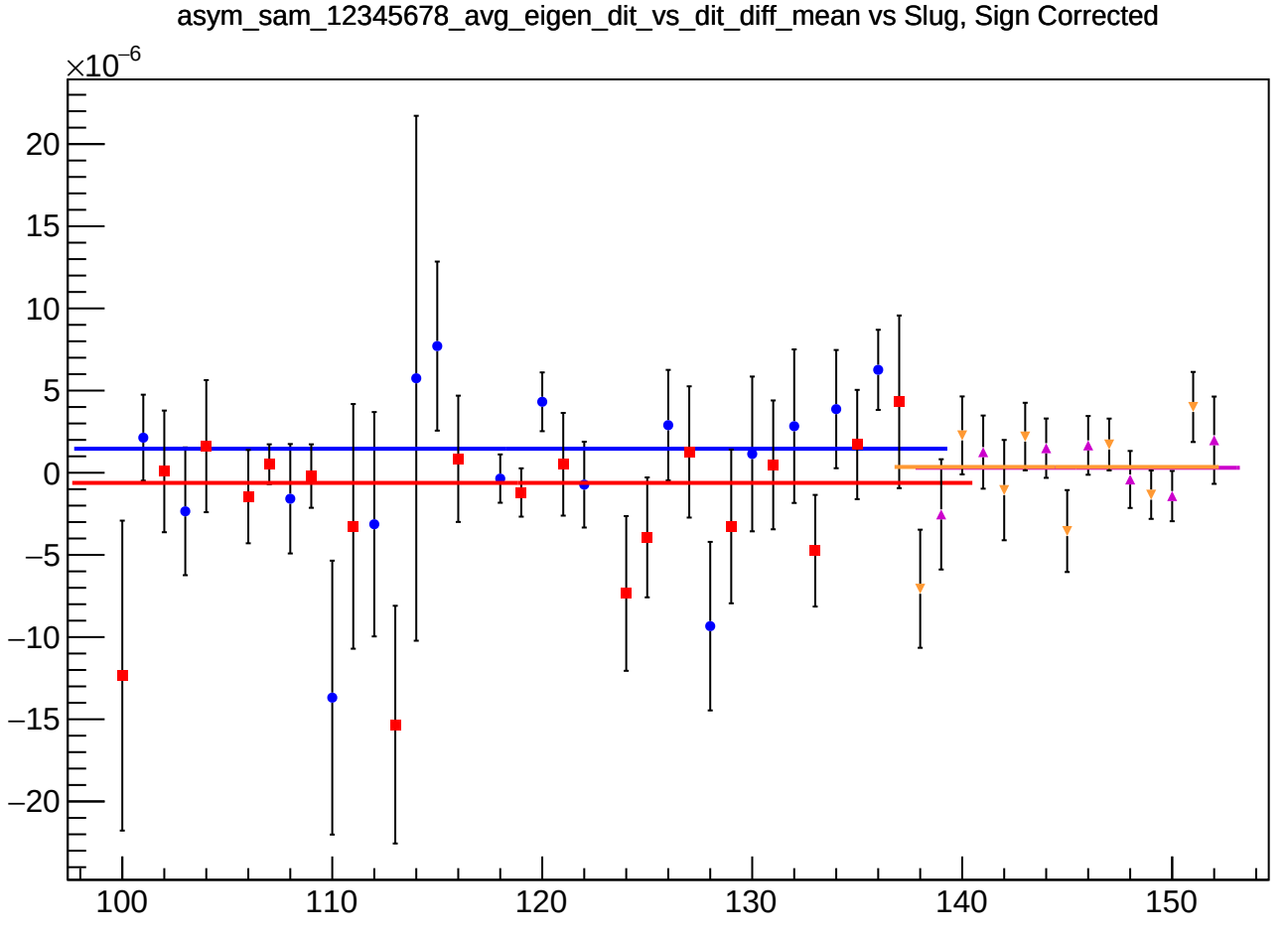
Left: 38.597+/-0.008 χ^2/NDF: 840575.2/14

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.956+/-0.007 χ^2/NDF:920732.7/22

Out: 37.071+/-0.007 χ^2/NDF:1062222.2/26

All: 35.958+/-0.005 χ^2/NDF: 2024855.9/49



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:3.7/6

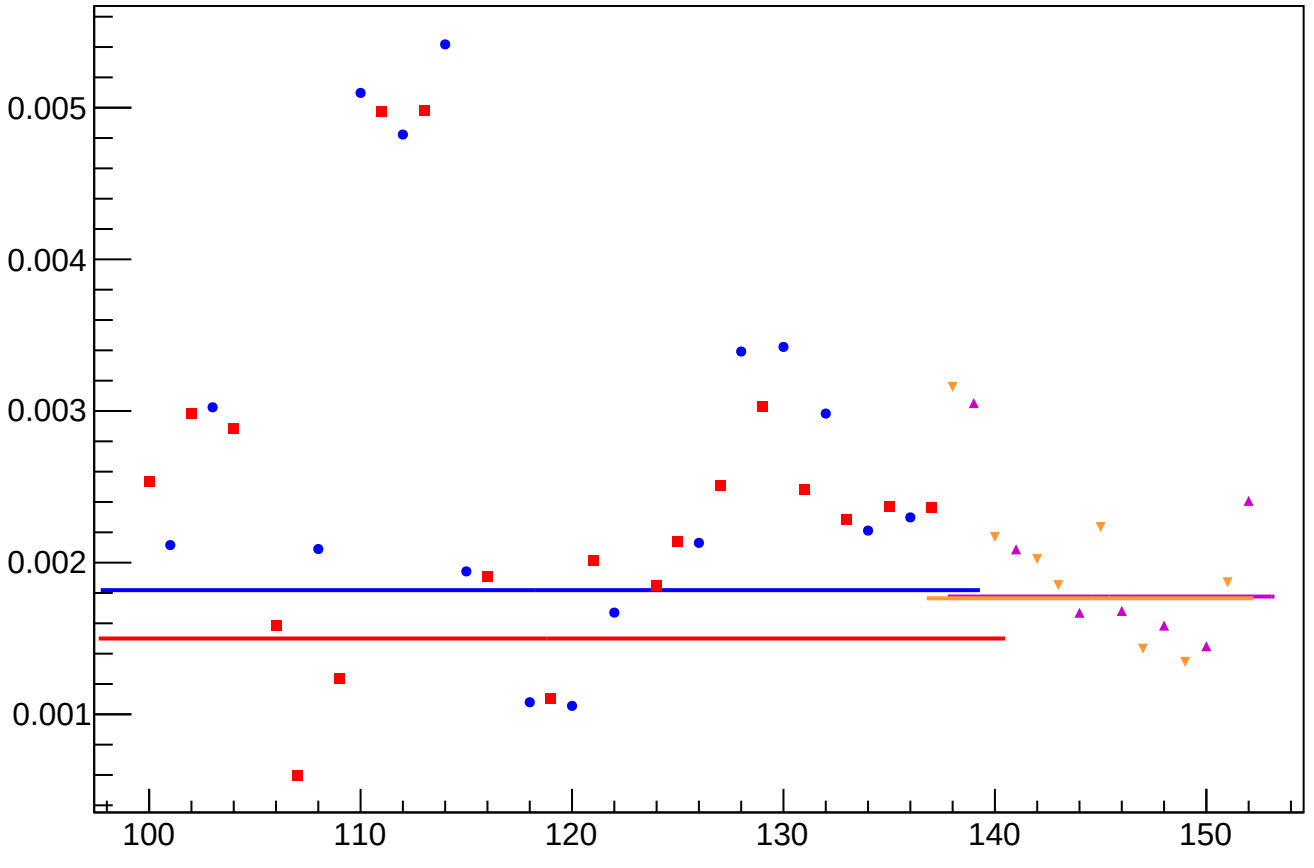
Left: 0.000+/-0.000 χ^2/NDF: 17.1/14

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:25.9/22

Out: -0.000+/-0.000 χ^2/NDF:28.3/26

All: 0.000+/-0.000 χ^2/NDF: 56.4/49



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:569751.1/6

Left: 0.002+/-0.000 χ^2/NDF: 1274217.2/14

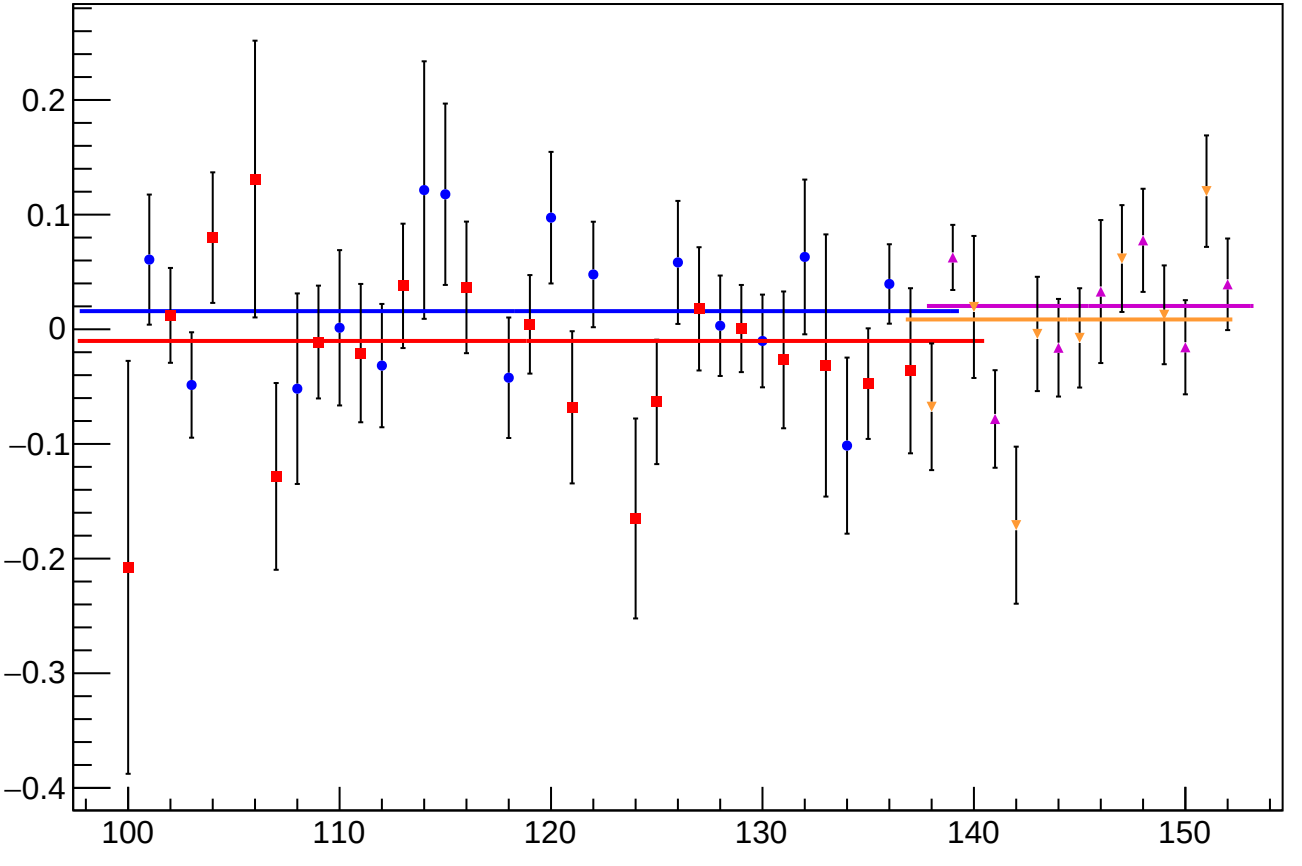
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3143176.6/22

Out: 0.002+/-0.000 χ^2/NDF:4540171.1/26

All: 0.002+/-0.000 χ^2/NDF: 7812037.4/49

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.009+/-0.018 χ^2/NDF:15.6/7

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.020+/-0.015 χ^2/NDF:11.0/6

Left: 0.015+/-0.012 χ^2/NDF: 26.8/14

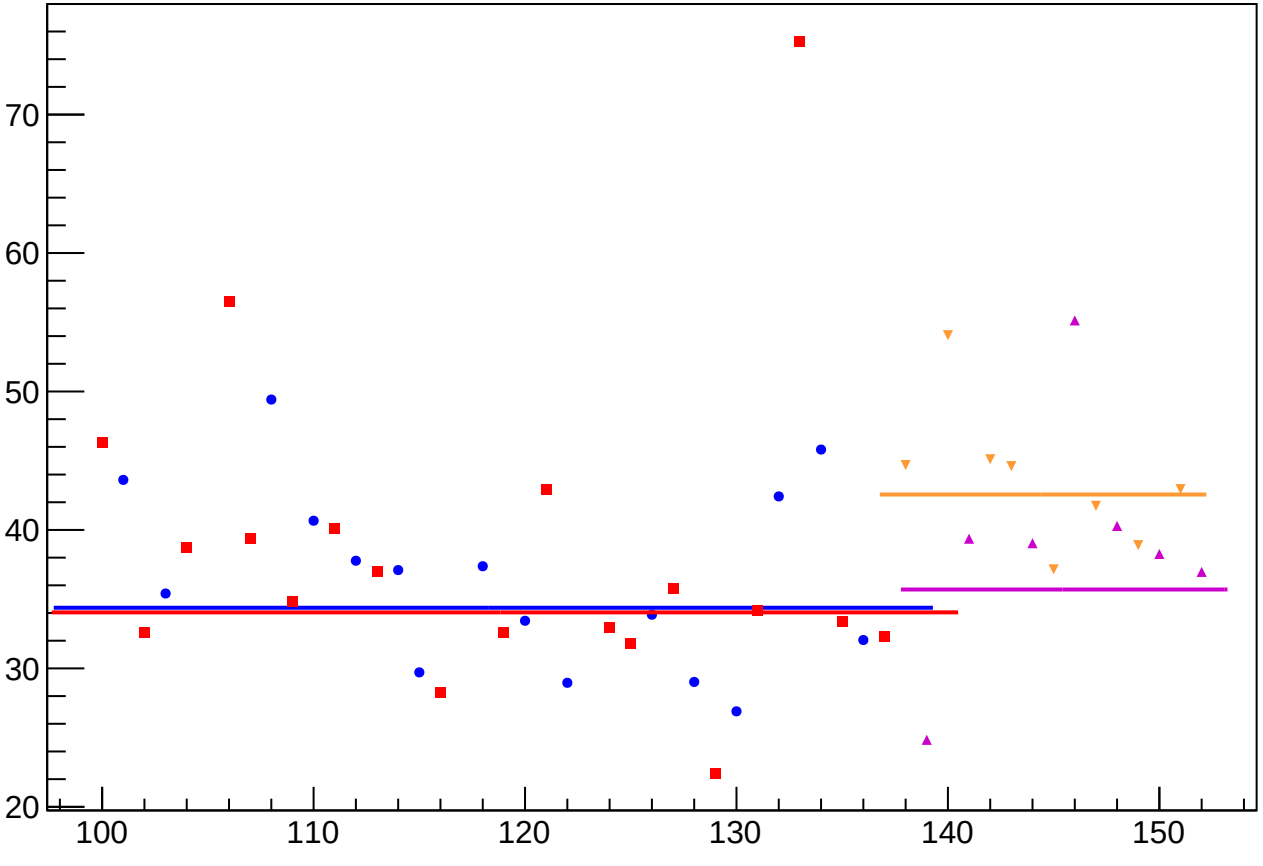
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.018+/-0.010 χ^2/NDF:25.8/22

Out: -0.004+/-0.011 χ^2/NDF:31.4/26

All: 0.008+/-0.007 χ^2/NDF: 59.4/49

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: 35.698+/-0.011 χ^2/NDF:544441.9/6

Left: 38.598+/-0.008 χ^2/NDF: 840581.3/14

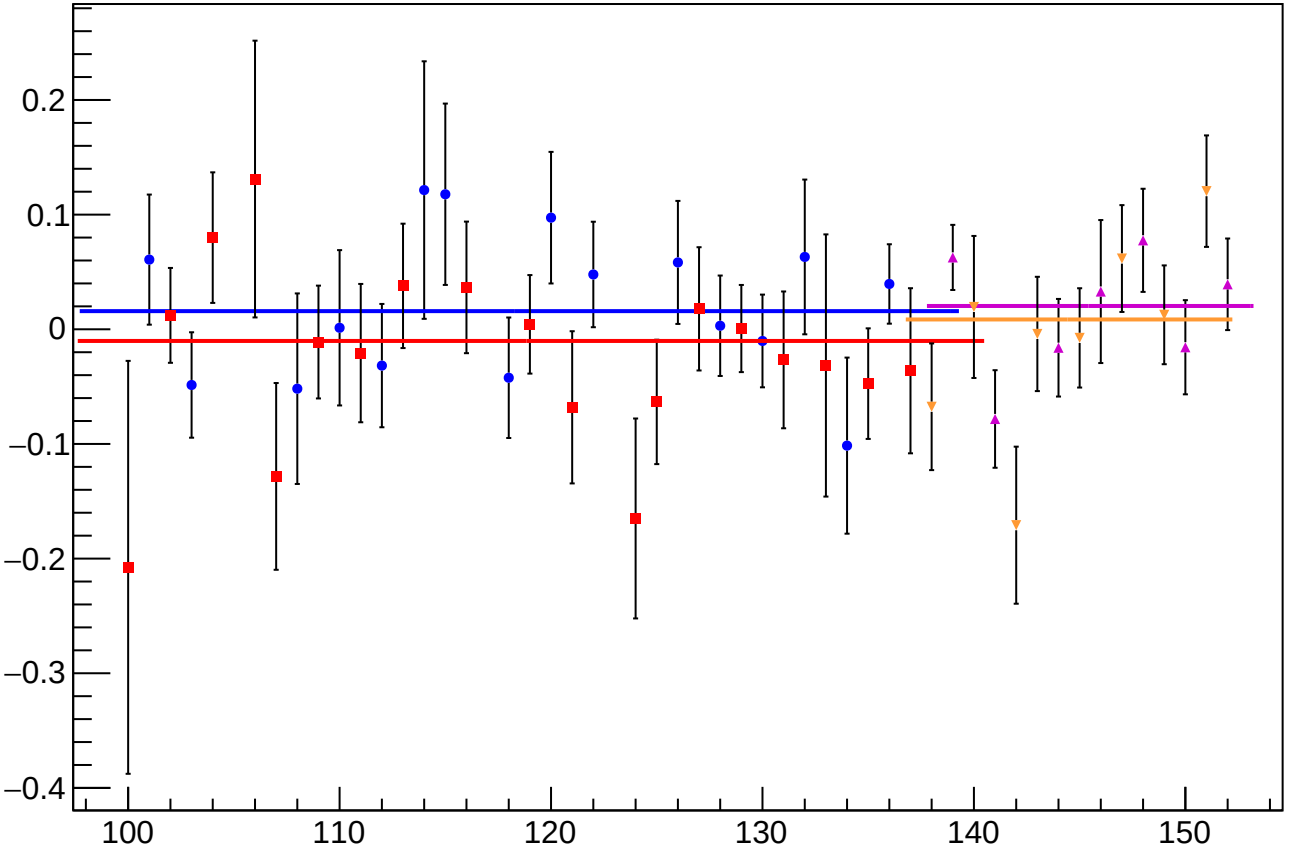
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.956+/-0.007 χ^2/NDF:920819.5/22

Out: 37.071+/-0.007 χ^2/NDF:1062332.3/26

All: 35.957+/-0.005 χ^2/NDF: 2025054.1/49

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: 0.020+/-0.015 χ^2/NDF:11.0/6

Left: 0.015+/-0.012 χ^2/NDF: 26.8/14

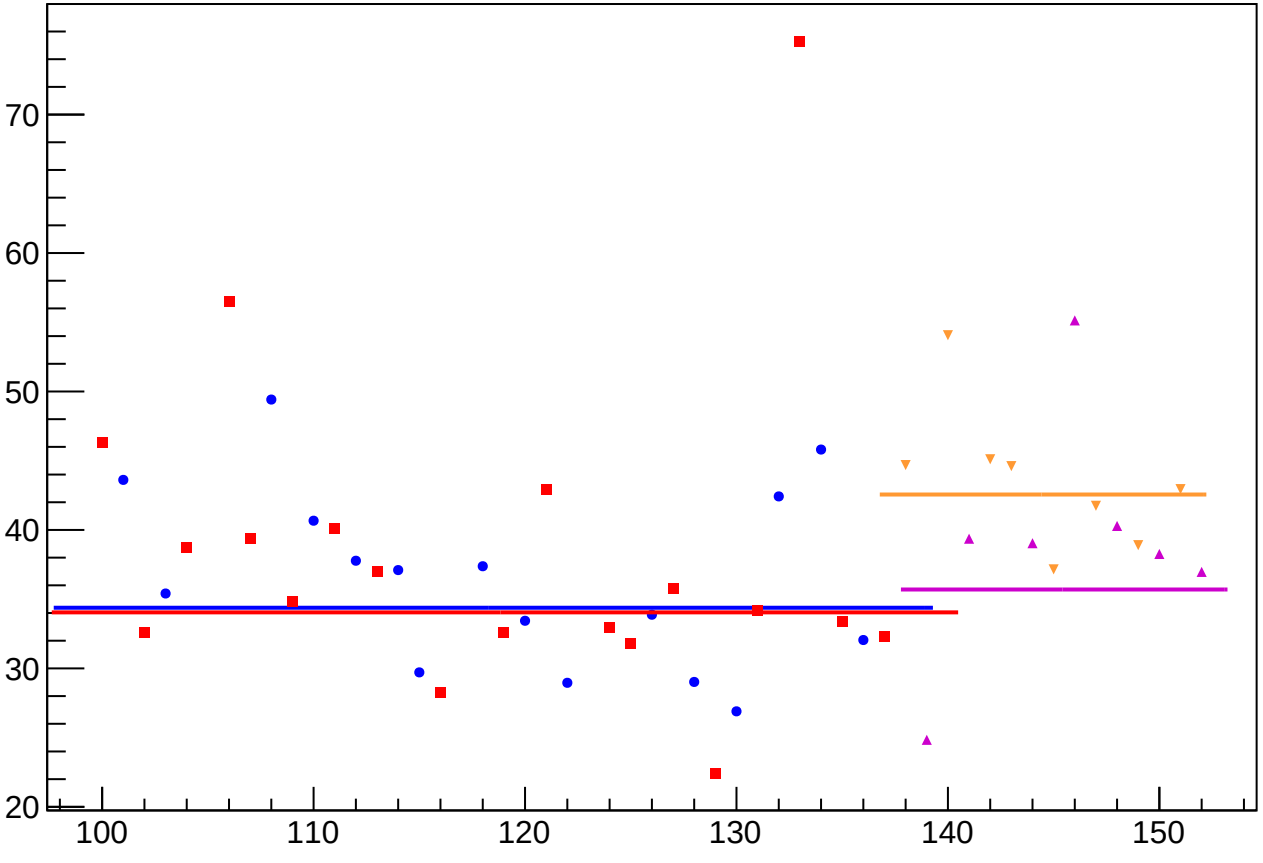
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.018+/-0.010 χ^2/NDF:25.8/22

Out: -0.004+/-0.011 χ^2/NDF:31.4/26

All: 0.008+/-0.007 χ^2/NDF: 59.4/49

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: 35.698+/-0.011 χ^2/NDF:544441.9/6

Left: 38.598+/-0.008 χ^2/NDF: 840581.3/14

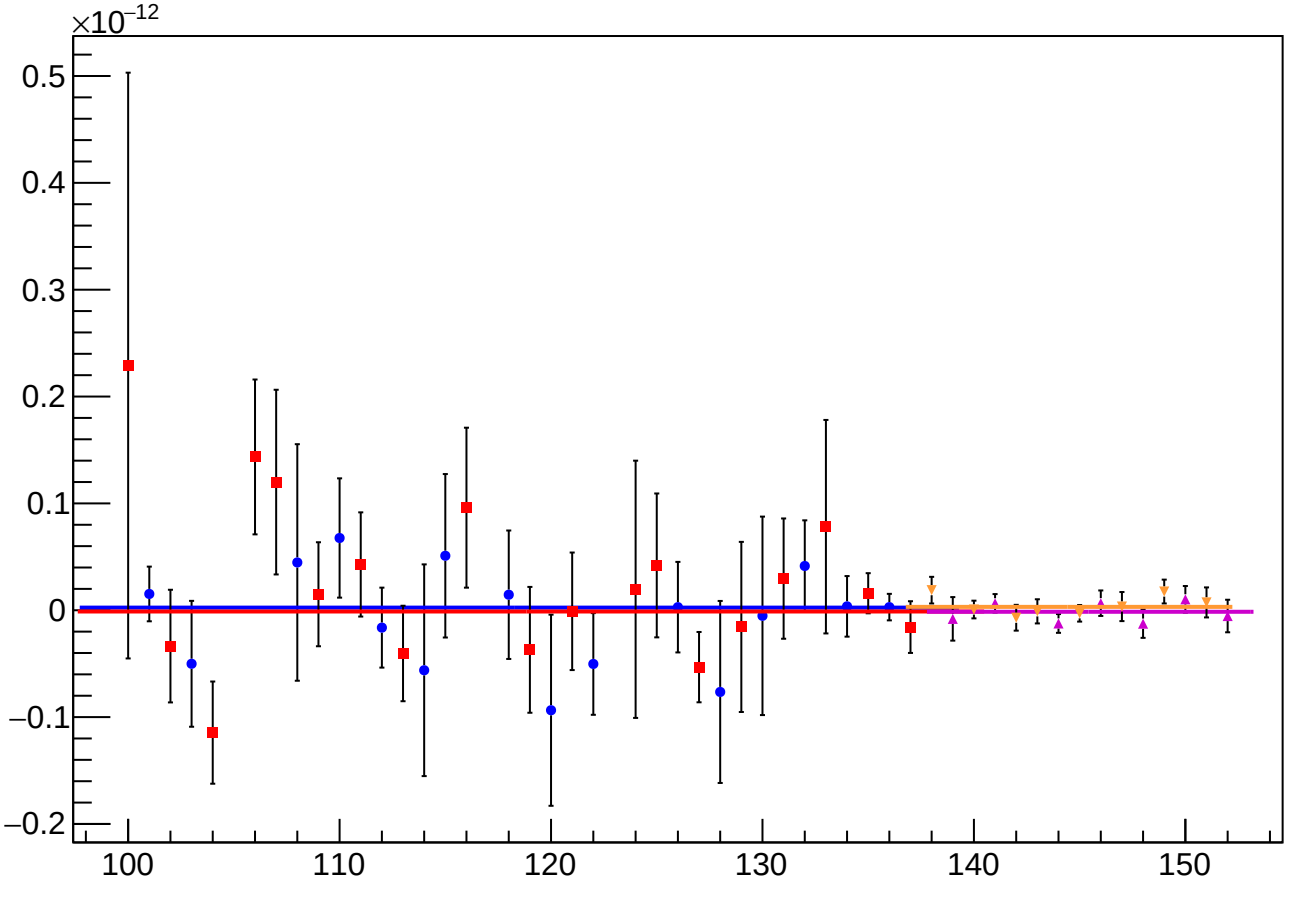
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.956+/-0.007 χ^2/NDF:920819.5/22

Out: 37.071+/-0.007 χ^2/NDF:1062332.3/26

All: 35.957+/-0.005 χ^2/NDF: 2025054.1/49

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:4.6/6

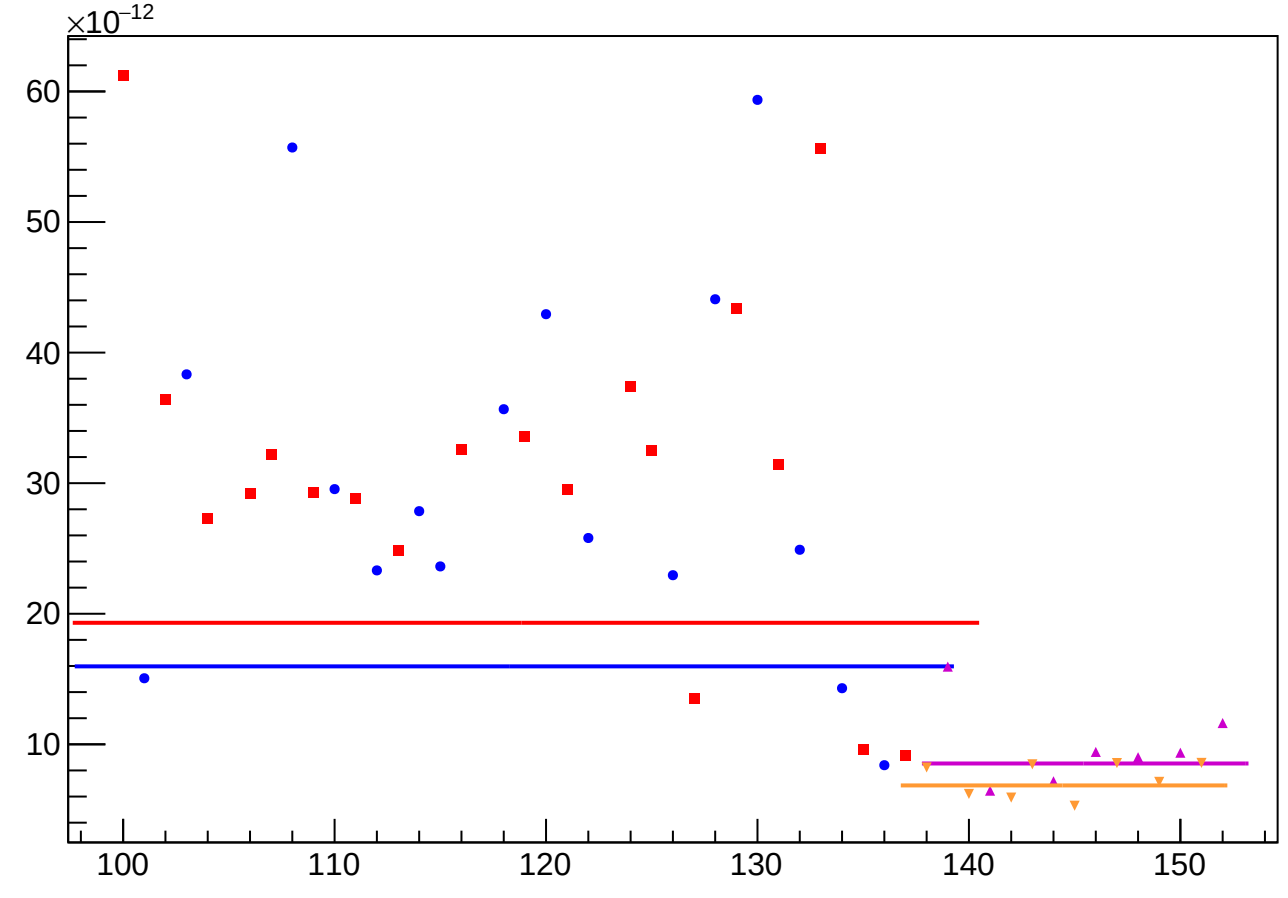
Left: 0.000+/-0.000 χ^2/NDF: 10.1/14

Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:12.4/22

Out: 0.000+/-0.000 χ^2/NDF:26.5/26

All: 0.000+/-0.000 χ^2/NDF: 39.3/49



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:534321.5/6

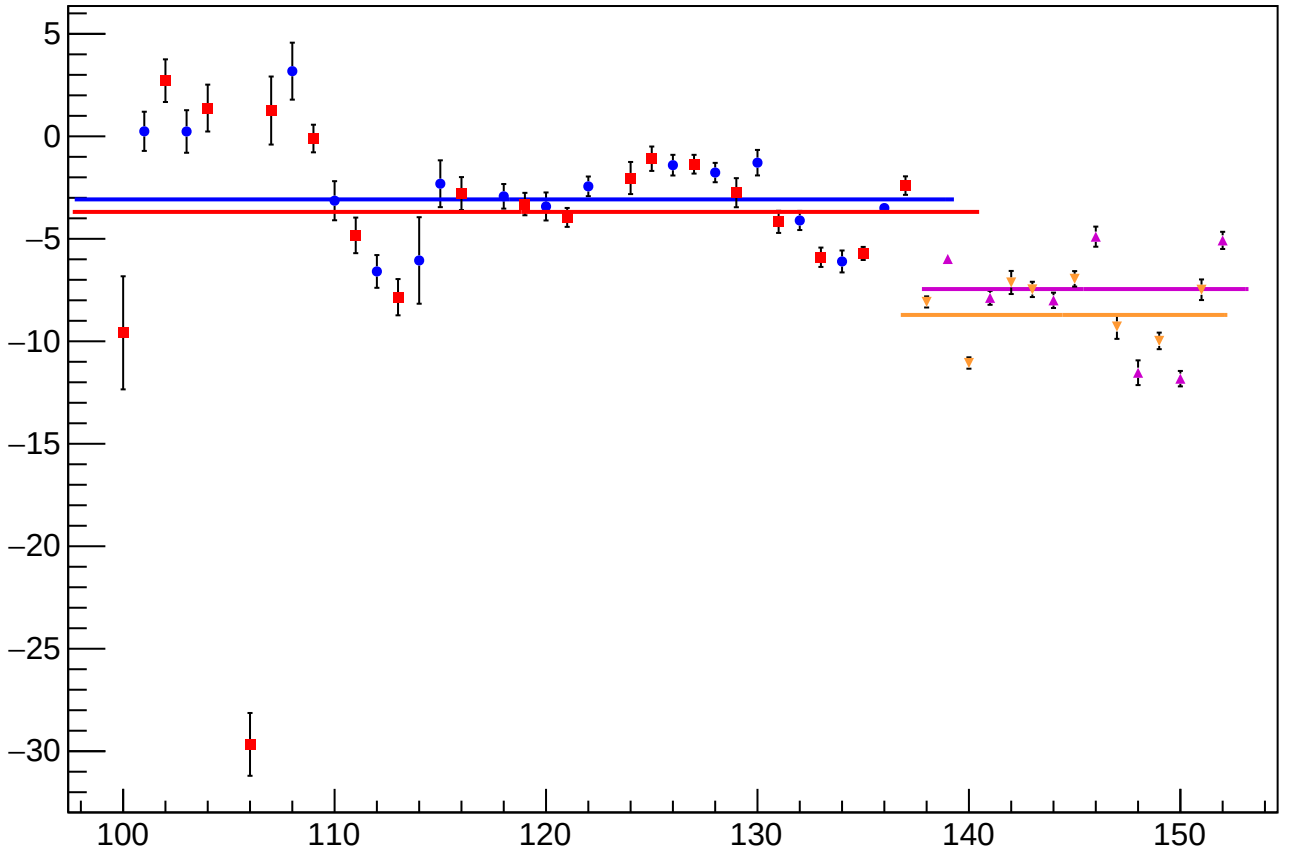
Left: 0.000+/-0.000 χ^2/NDF: 936675.6/14

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:4518946.8/22

Out: 0.000+/-0.000 χ^2/NDF:5297219.0/26

All: 0.000+/-0.000 χ^2/NDF: 10021785.5/49



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: -7.451+/-0.138 χ^2/NDF:280.8/6

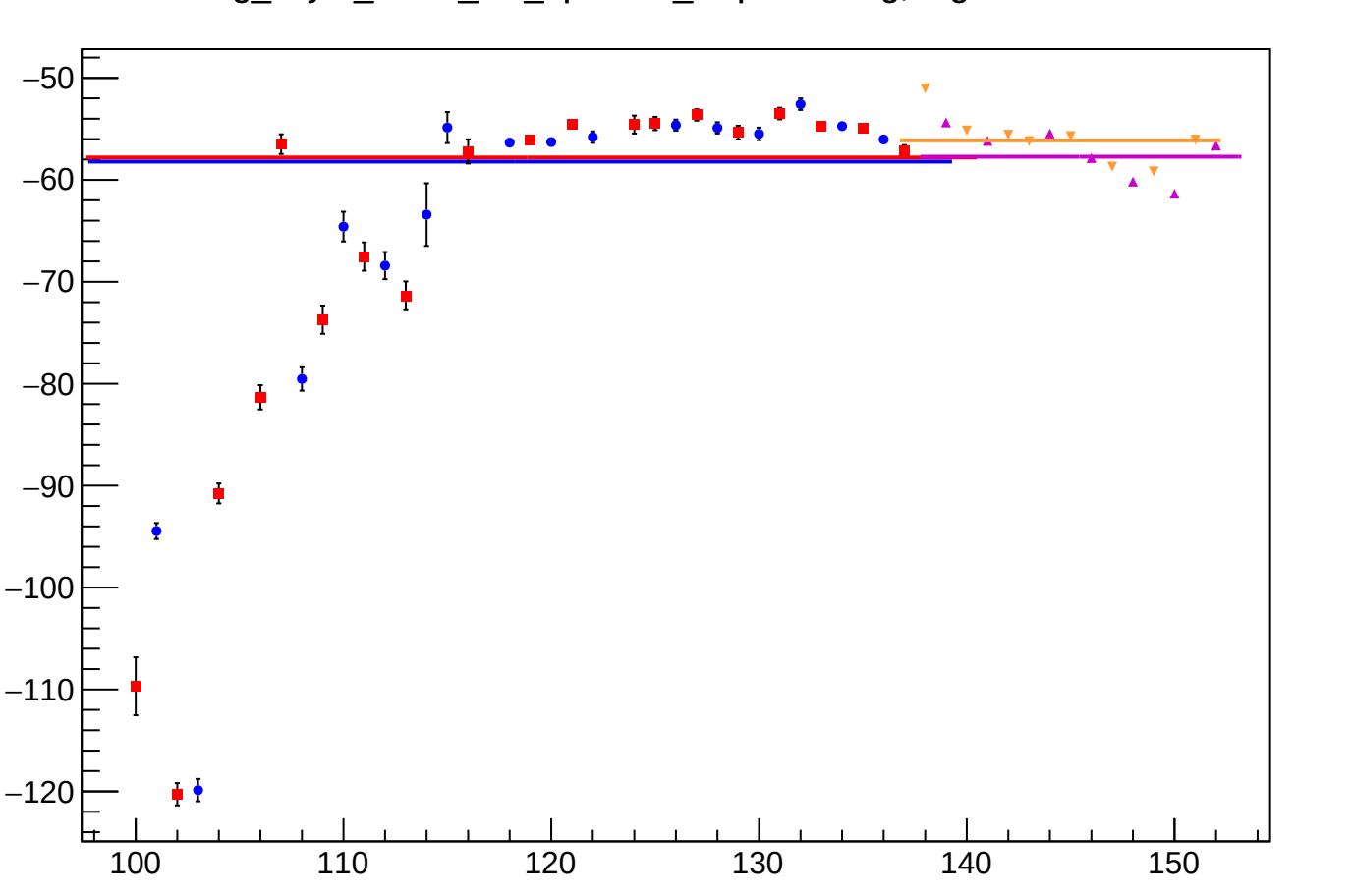
Left: -8.105+/-0.096 χ^2/NDF: 458.8/14

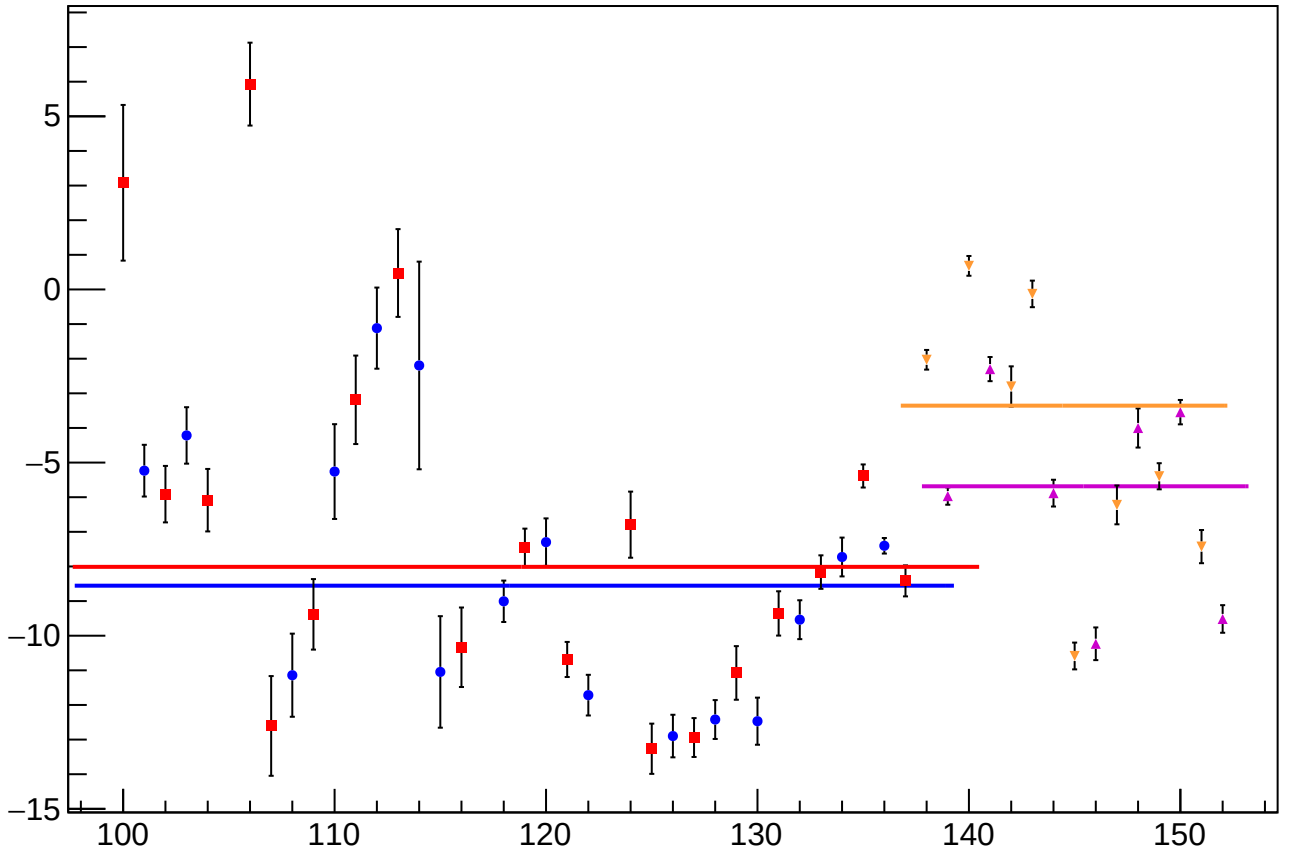
Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.225+/-0.096 χ^2/NDF:928.5/22

Out: -6.338+/-0.096 χ^2/NDF:1347.1/26

All: -5.782+/-0.068 χ^2/NDF: 2342.2/49


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: -57.726+/-0.109 χ²/NDF:452.3/6
Left: -56.863+/-0.074 χ²/NDF: 1075.8/14
Right: -58.008+/-0.097 χ²/NDF: 11923.9/34
In: -57.914+/-0.085 χ²/NDF:6586.8/22
Out: -56.706+/-0.081 χ²/NDF:6396.1/26
All: -57.285+/-0.059 χ²/NDF: 13088.1/49



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: -5.685+/-0.138 χ^2/NDF:326.8/6

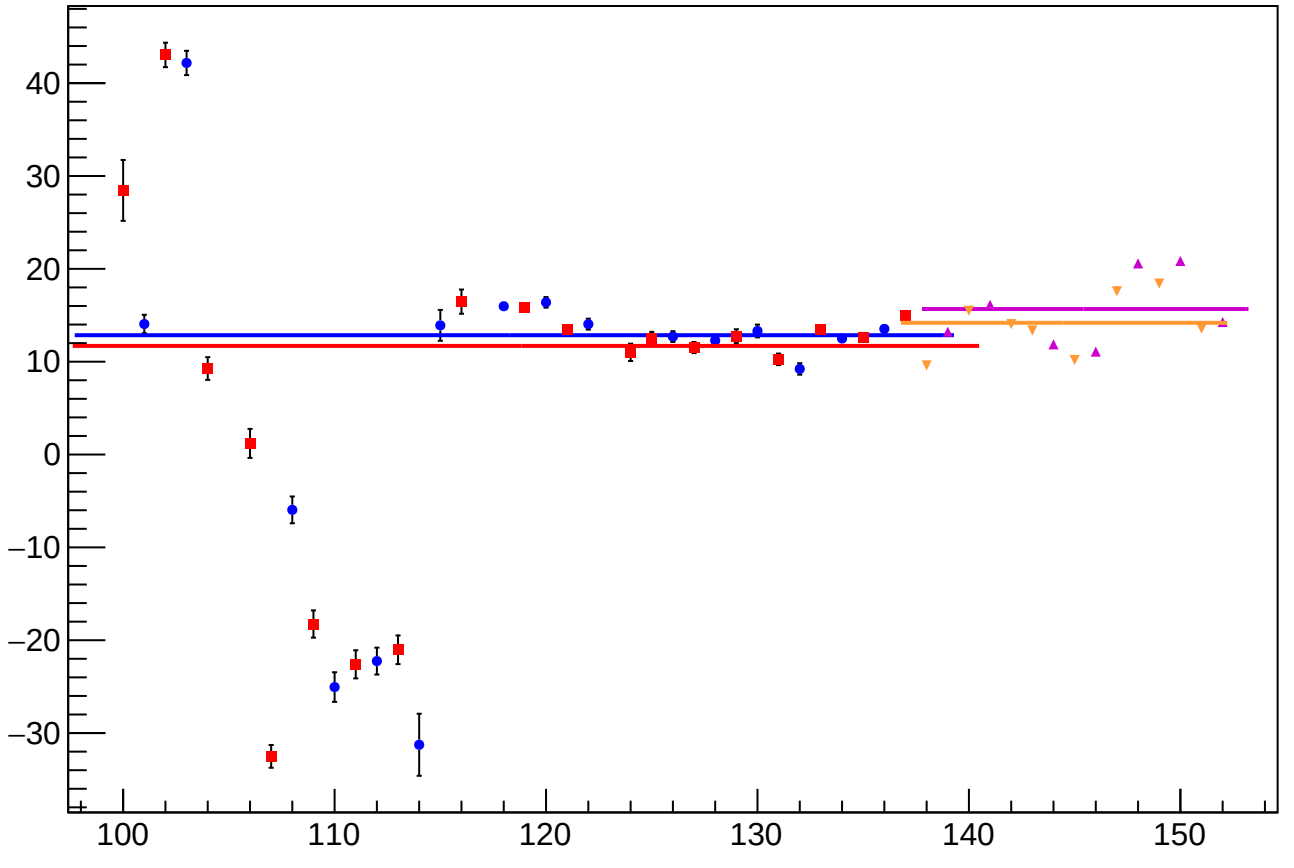
Left: -4.490+/-0.096 χ^2/NDF: 1244.3/14

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.047+/-0.100 χ^2/NDF:834.3/22

Out: -5.378+/-0.101 χ^2/NDF:1783.8/26

All: -6.221+/-0.071 χ^2/NDF: 2756.7/49



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: 15.673+/-0.129 χ^2/NDF:800.3/6

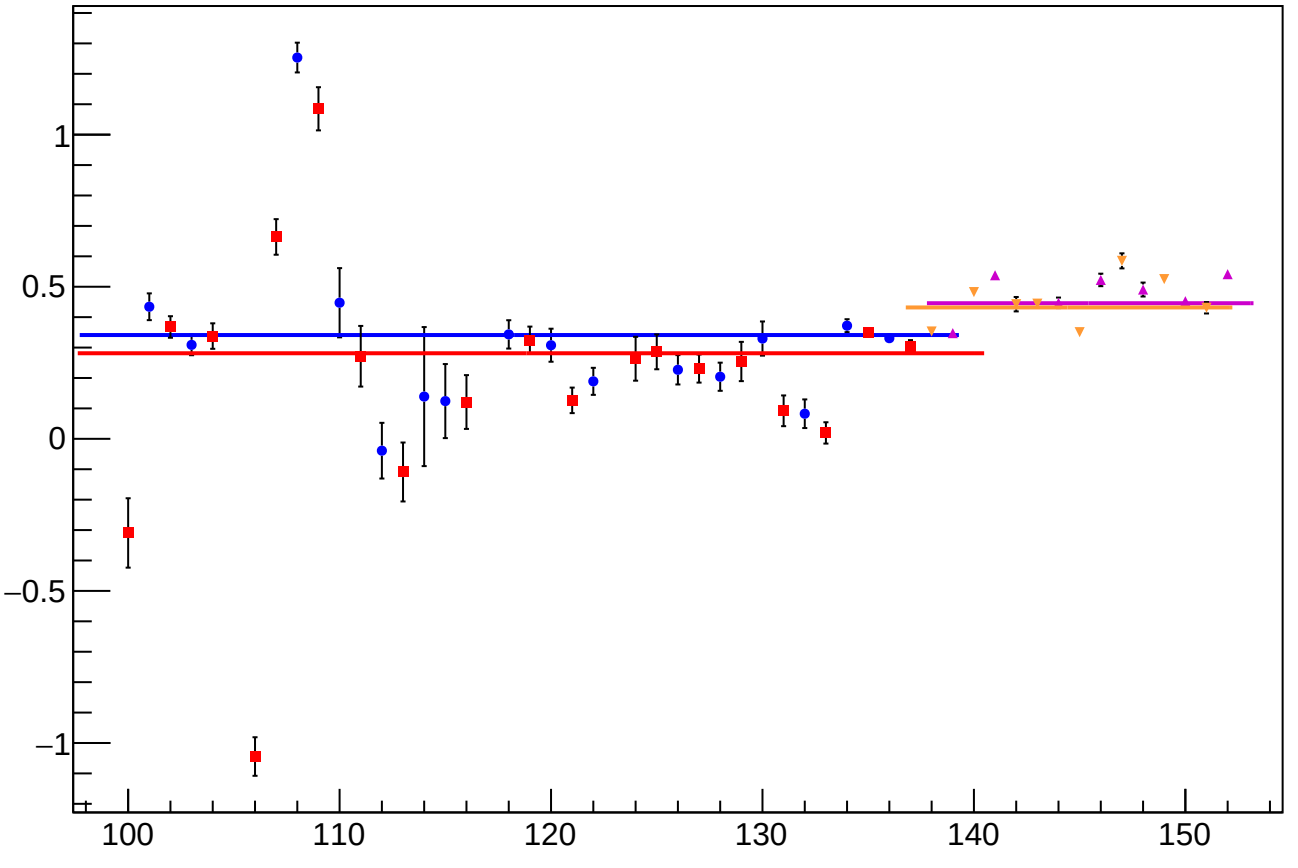
Left: 14.885+/-0.088 χ^2/NDF: 1468.1/14

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 14.482+/-0.098 χ^2/NDF:3132.0/22

Out: 13.249+/-0.095 χ^2/NDF:4256.4/26

All: 13.850+/-0.068 χ^2/NDF: 7470.0/49



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: 0.446+/-0.005 χ^2/NDF:226.6/6

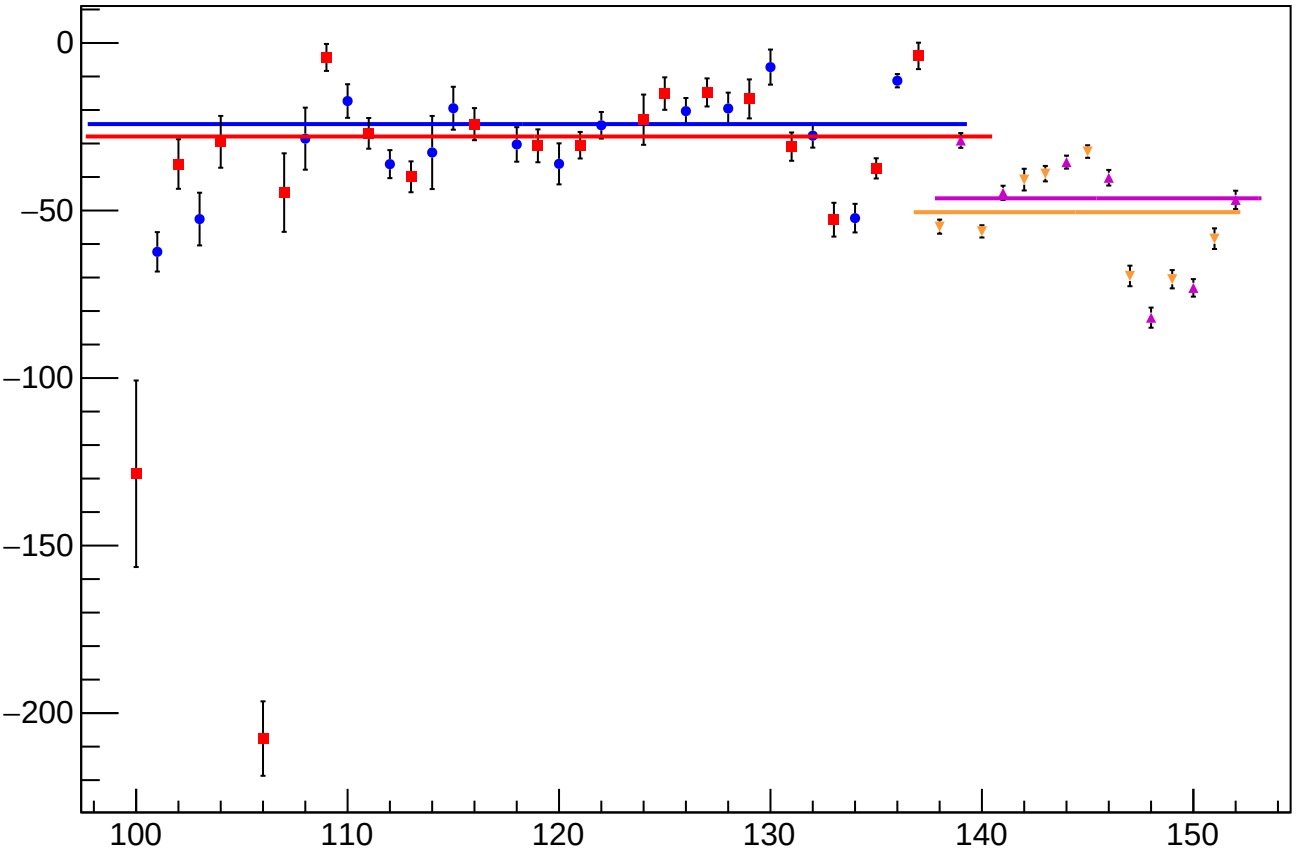
Left: 0.439+/-0.004 χ^2/NDF: 399.9/14

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.413+/-0.004 χ^2/NDF:782.2/22

Out: 0.387+/-0.005 χ^2/NDF:1170.0/26

All: 0.401+/-0.003 χ^2/NDF: 1968.2/49



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: -46.360+/-0.889 χ^2/NDF:344.5/6

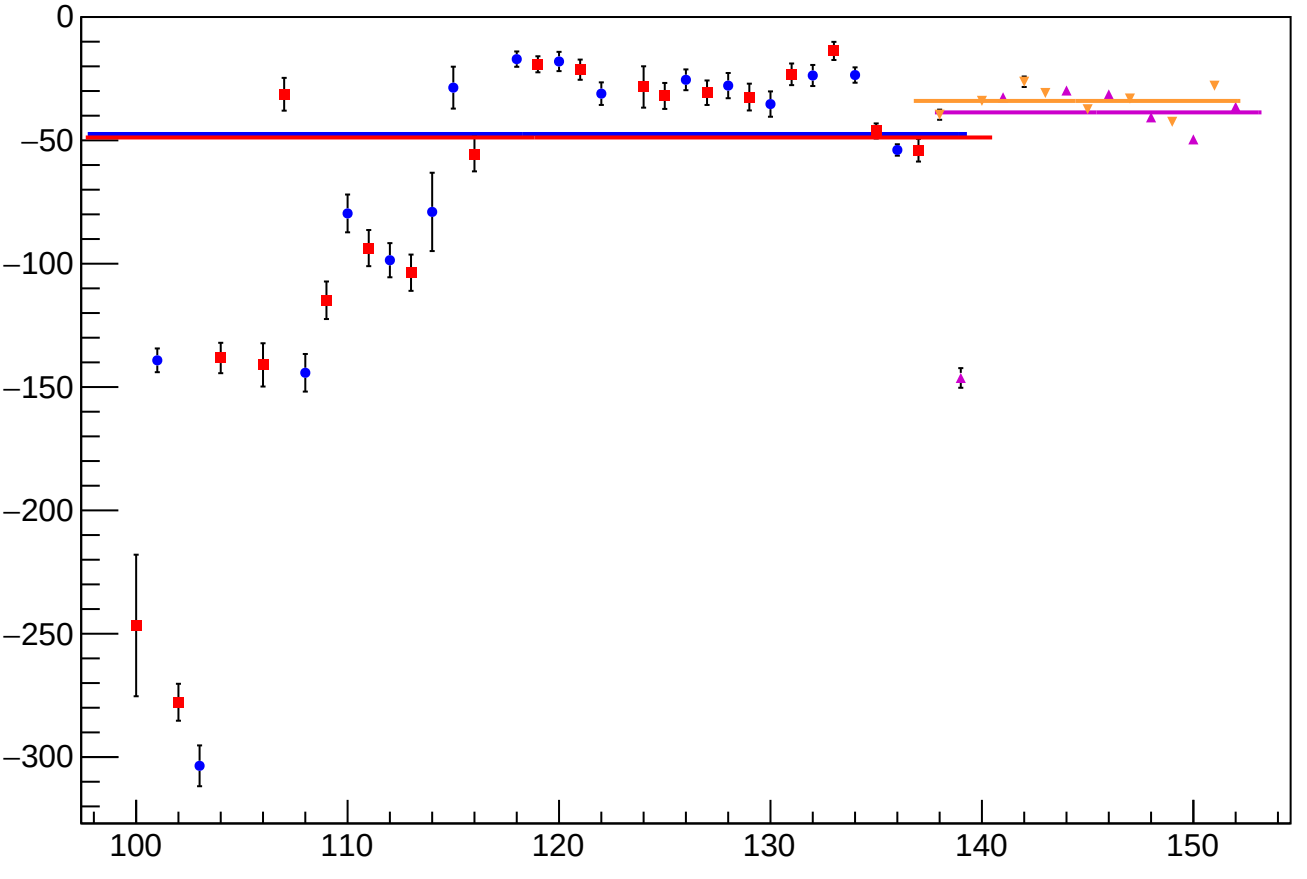
Left: -48.556+/-0.609 χ^2/NDF: 595.6/14

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -37.472+/-0.688 χ^2/NDF:764.3/22

Out: -42.584+/-0.673 χ^2/NDF:909.5/26

All: -40.085+/-0.481 χ^2/NDF: 1702.0/49



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: -38.663+/-0.620 χ^2/NDF:853.7/6

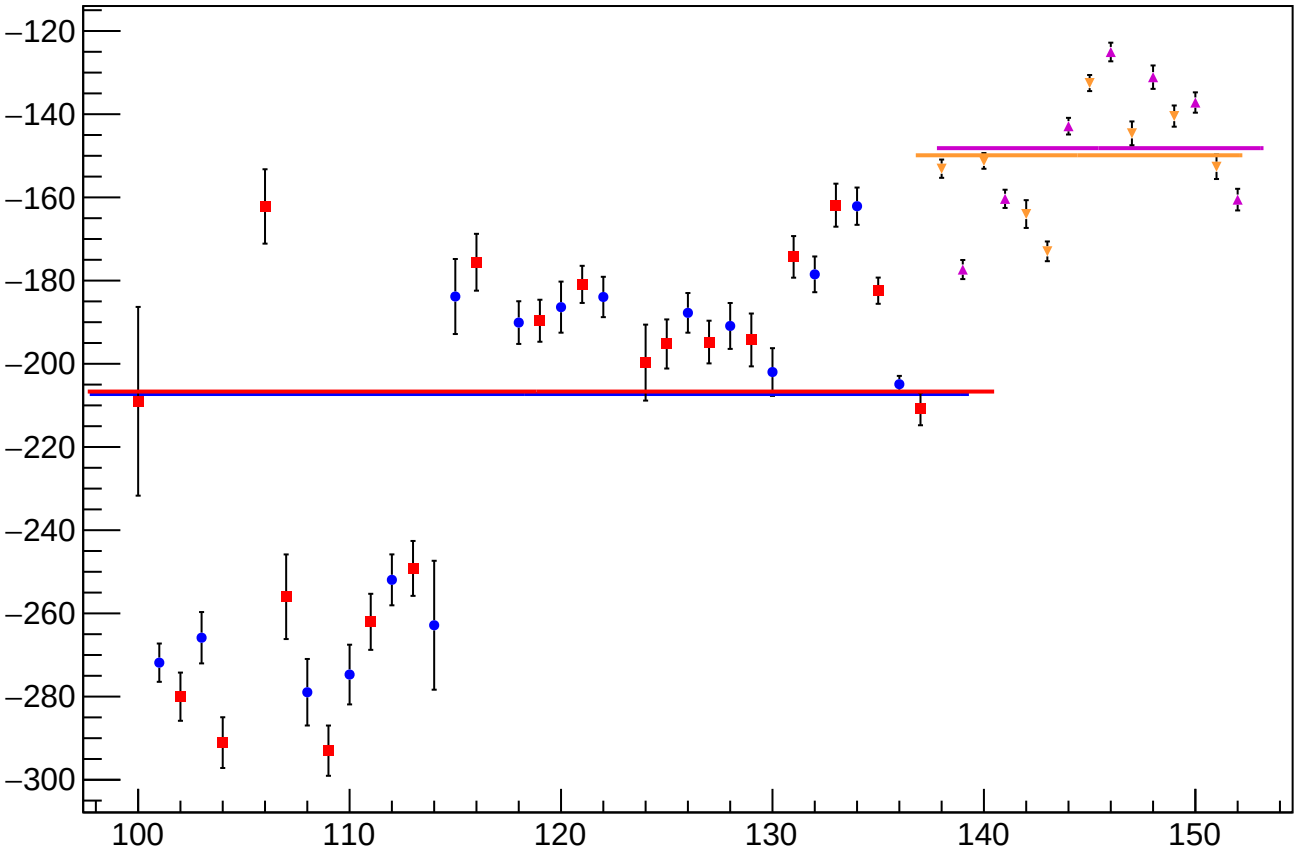
Left: -36.228+/-0.428 χ^2/NDF: 950.3/14

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -40.772+/-0.540 χ^2/NDF:2775.2/22

Out: -36.978+/-0.529 χ^2/NDF:1967.3/26

All: -38.834+/-0.378 χ^2/NDF: 4767.8/49



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: -148.163+/-0.881 χ^2/NDF:385.4/6

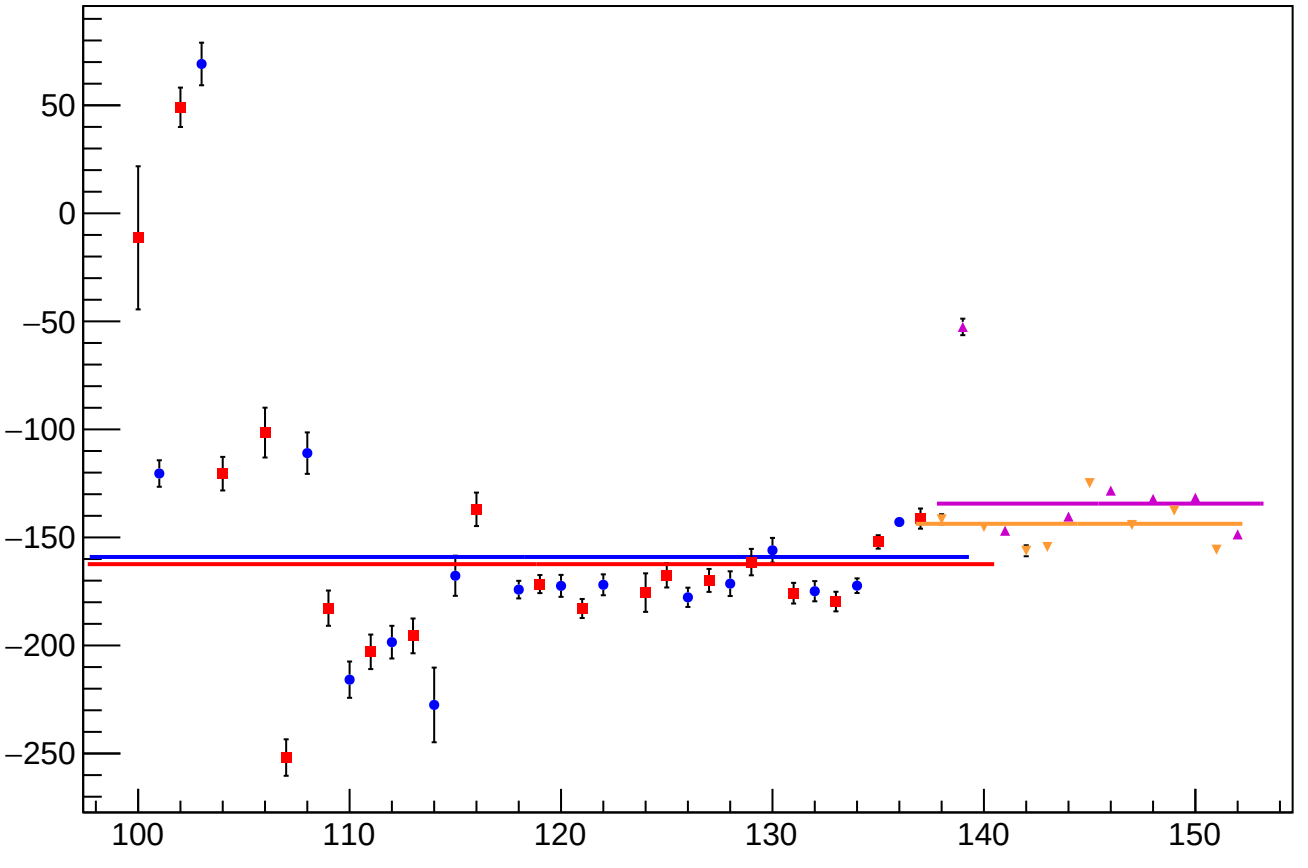
Left: -149.060+/-0.608 χ^2/NDF: 601.3/14

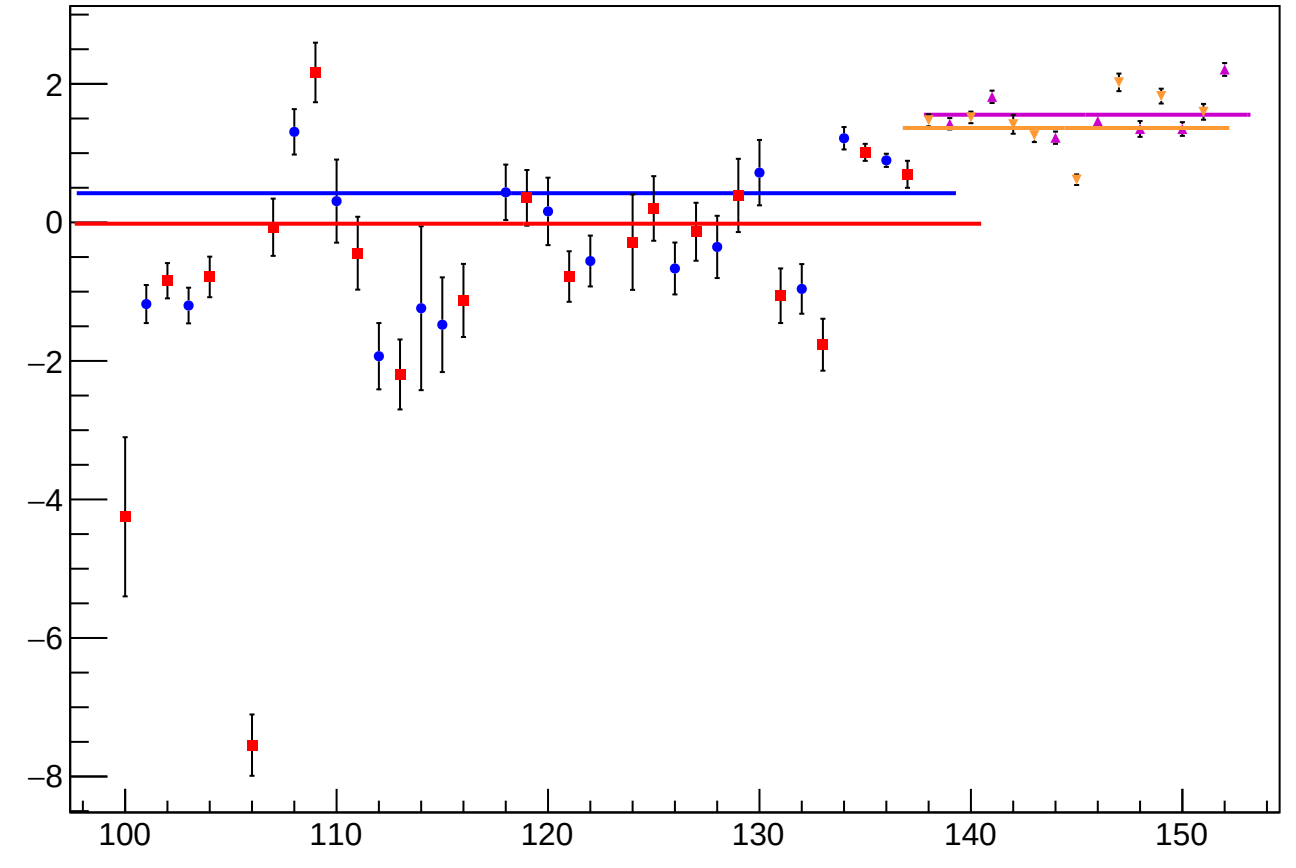
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -169.357+/-0.706 χ^2/NDF:2747.6/22

Out: -167.007+/-0.703 χ^2/NDF:2559.4/26

All: -168.177+/-0.498 χ^2/NDF: 5312.6/49


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: -134.352+/-0.753 χ²/NDF:575.1/6
Left: -139.227+/-0.521 χ²/NDF: 864.6/14
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -141.127+/-0.642 χ²/NDF:1685.6/22
Out: -147.962+/-0.633 χ²/NDF:1235.4/26
All: -144.591+/-0.451 χ²/NDF: 2978.4/49



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.363+/-0.035 χ^2/NDF:150.4/7

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.554+/-0.035 χ^2/NDF:82.8/6

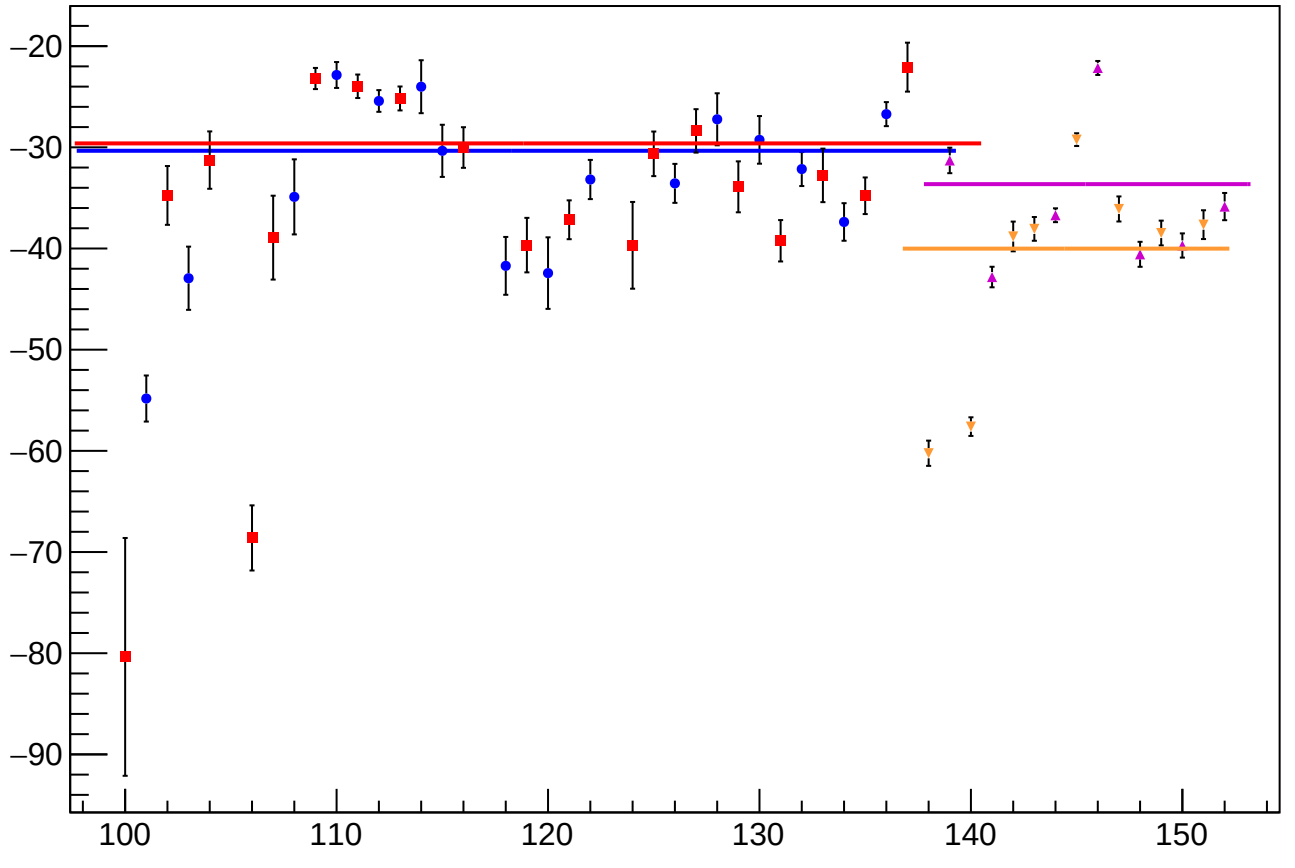
Left: 1.457+/-0.025 χ^2/NDF: 248.1/14

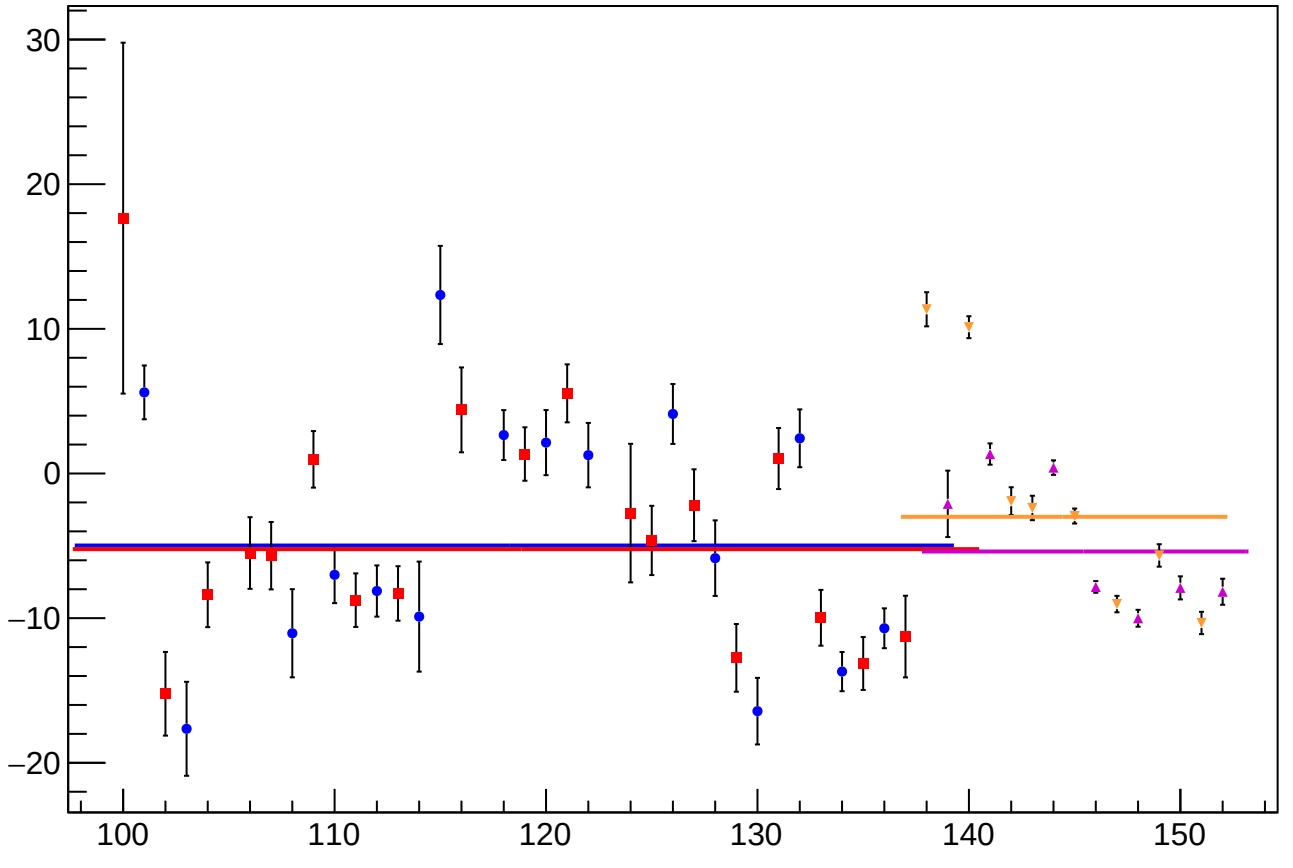
Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.295+/-0.031 χ^2/NDF:515.9/22

Out: 1.103+/-0.031 χ^2/NDF:935.0/26

All: 1.200+/-0.022 χ^2/NDF: 1469.8/49


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: -33.638+/-0.359 χ²/NDF:441.4/6
Left: -36.739+/-0.258 χ²/NDF: 1530.7/14
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -32.414+/-0.285 χ²/NDF:726.2/22
Out: -35.832+/-0.286 χ²/NDF:1584.2/26
All: -34.119+/-0.202 χ²/NDF: 2382.1/49



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: -5.392+/-0.237 χ^2/NDF:337.2/6

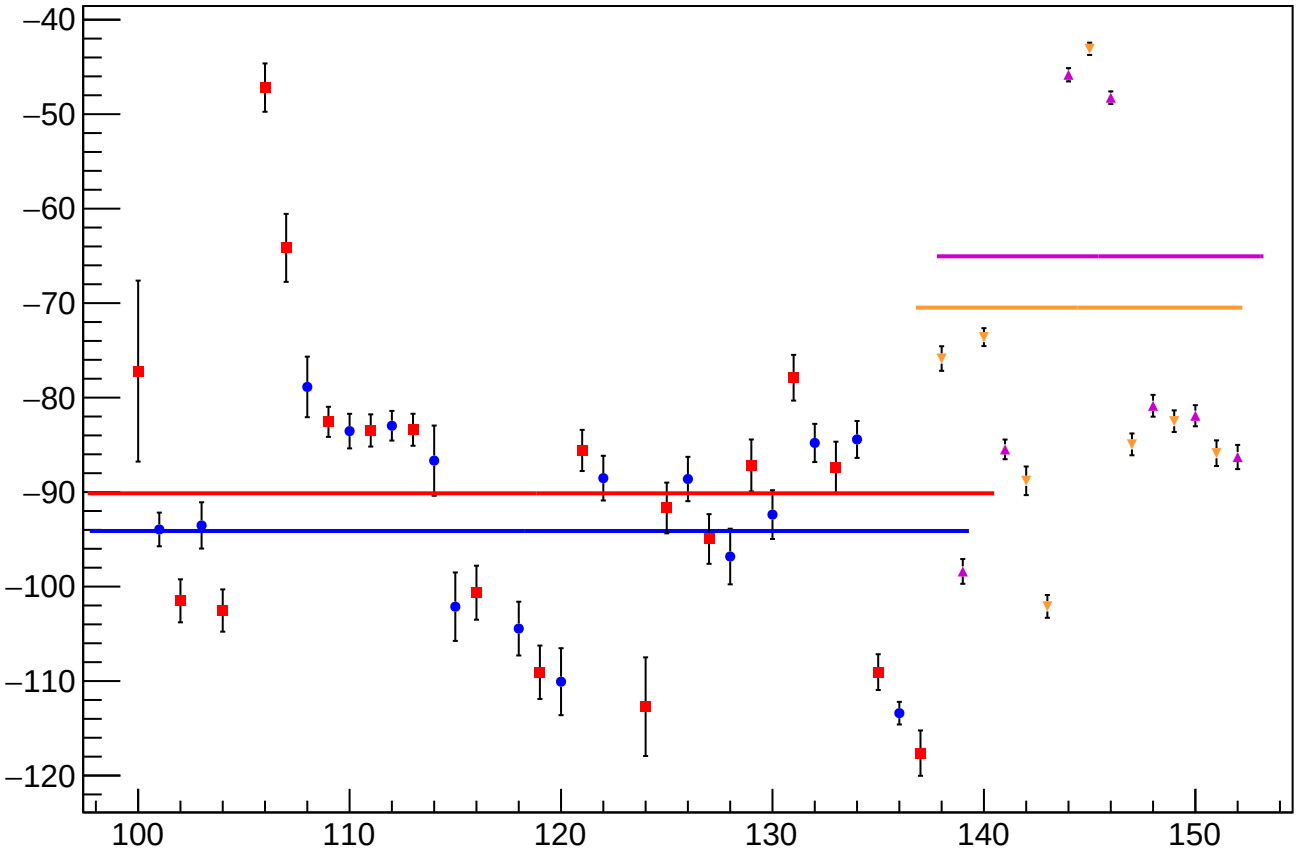
Left: -4.292+/-0.174 χ^2/NDF: 1049.3/14

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -5.319+/-0.215 χ^2/NDF:575.0/22

Out: -3.429+/-0.231 χ^2/NDF:816.2/26

All: -4.442+/-0.157 χ^2/NDF: 1427.2/49



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: -65.043+/-0.355 χ^2/NDF:3103.5/6

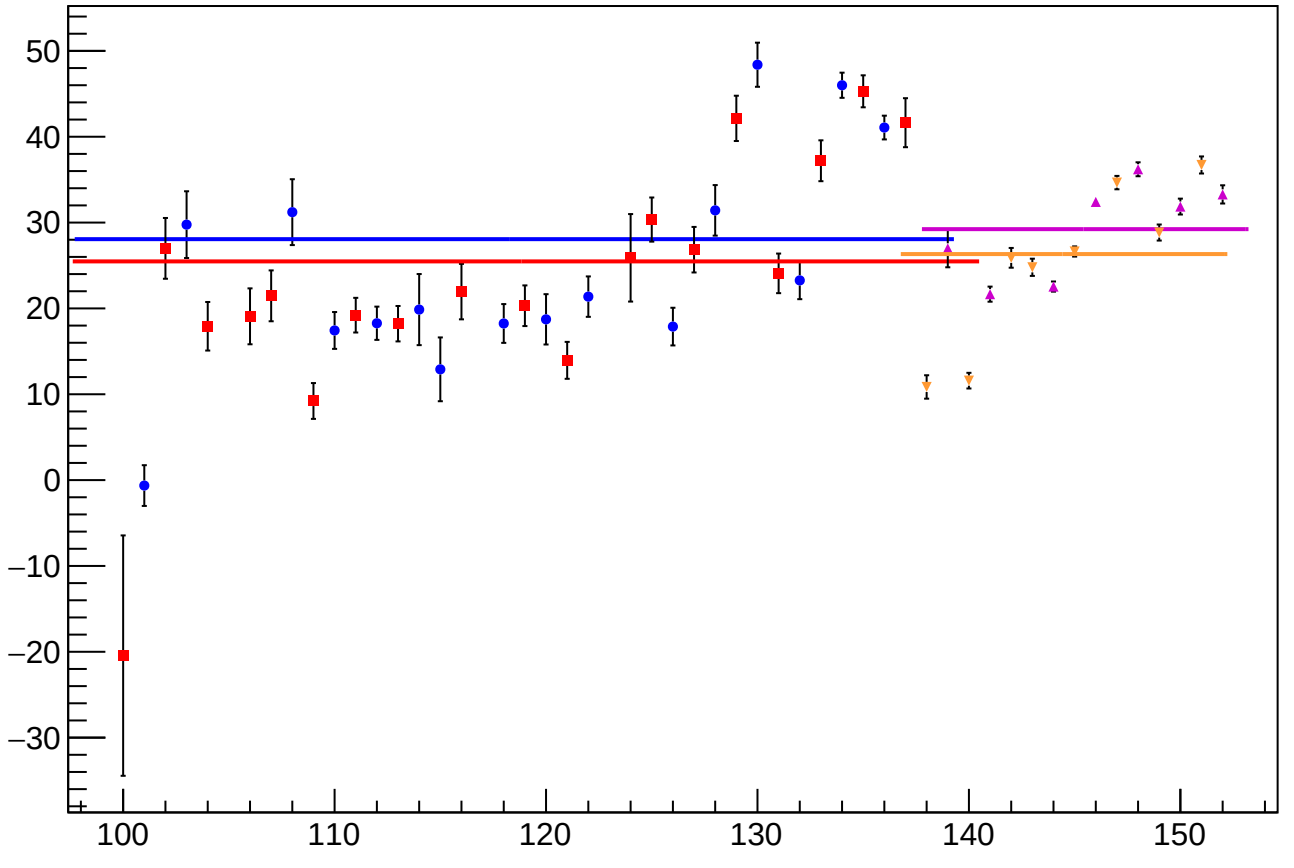
Left: -67.637+/-0.257 χ^2/NDF: 6246.1/14

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -73.884+/-0.296 χ^2/NDF:5609.7/22

Out: -76.741+/-0.307 χ^2/NDF:4712.5/26

All: -75.263+/-0.213 χ^2/NDF: 10367.1/49



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.331+/-0.314 χ^2/NDF:623.0/7

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 29.235+/-0.291 χ^2/NDF:338.6/6

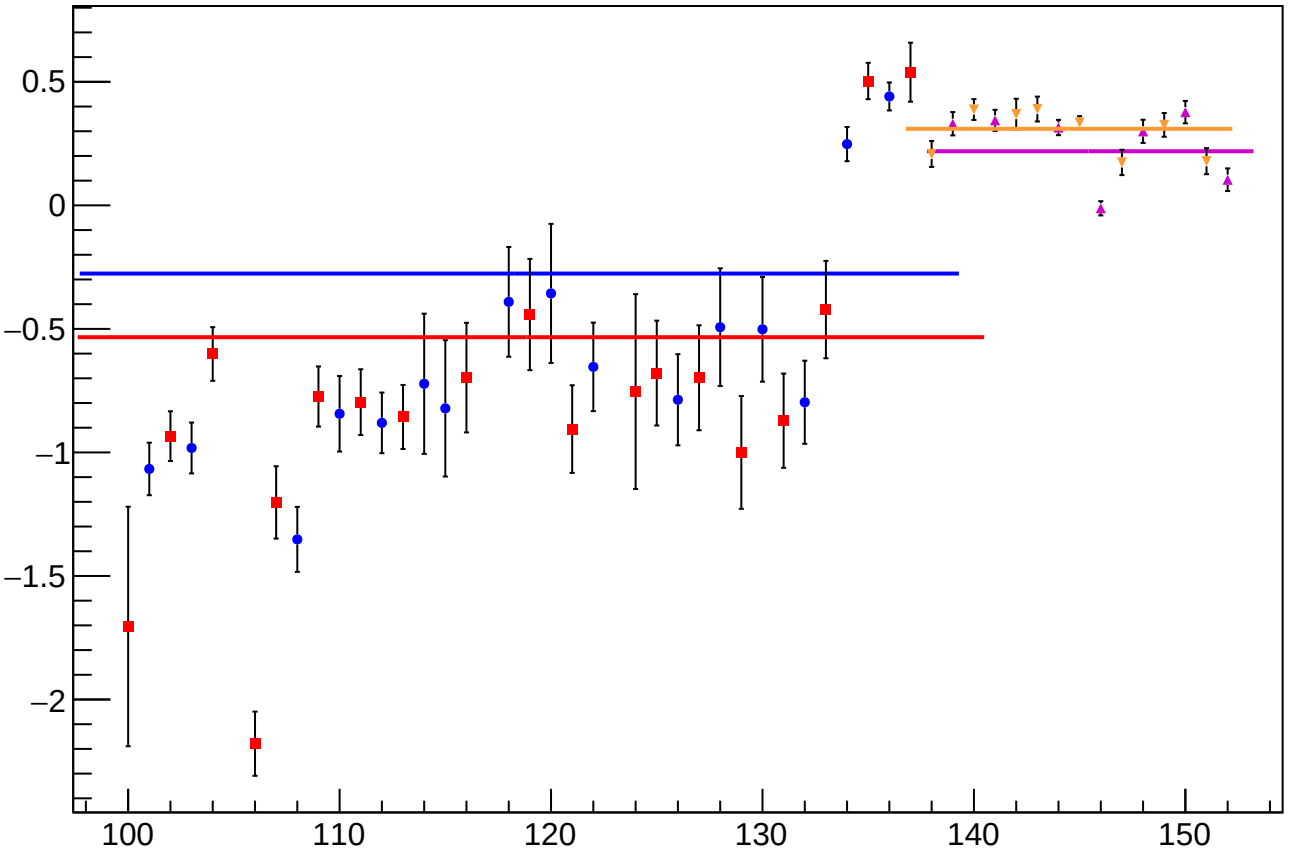
Left: 27.892+/-0.214 χ^2/NDF: 1007.5/14

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 28.992+/-0.259 χ^2/NDF:925.0/22

Out: 26.142+/-0.277 χ^2/NDF:979.3/26

All: 27.663+/-0.189 χ^2/NDF: 1960.6/49



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: 0.219+/-0.015 χ^2/NDF:109.3/6

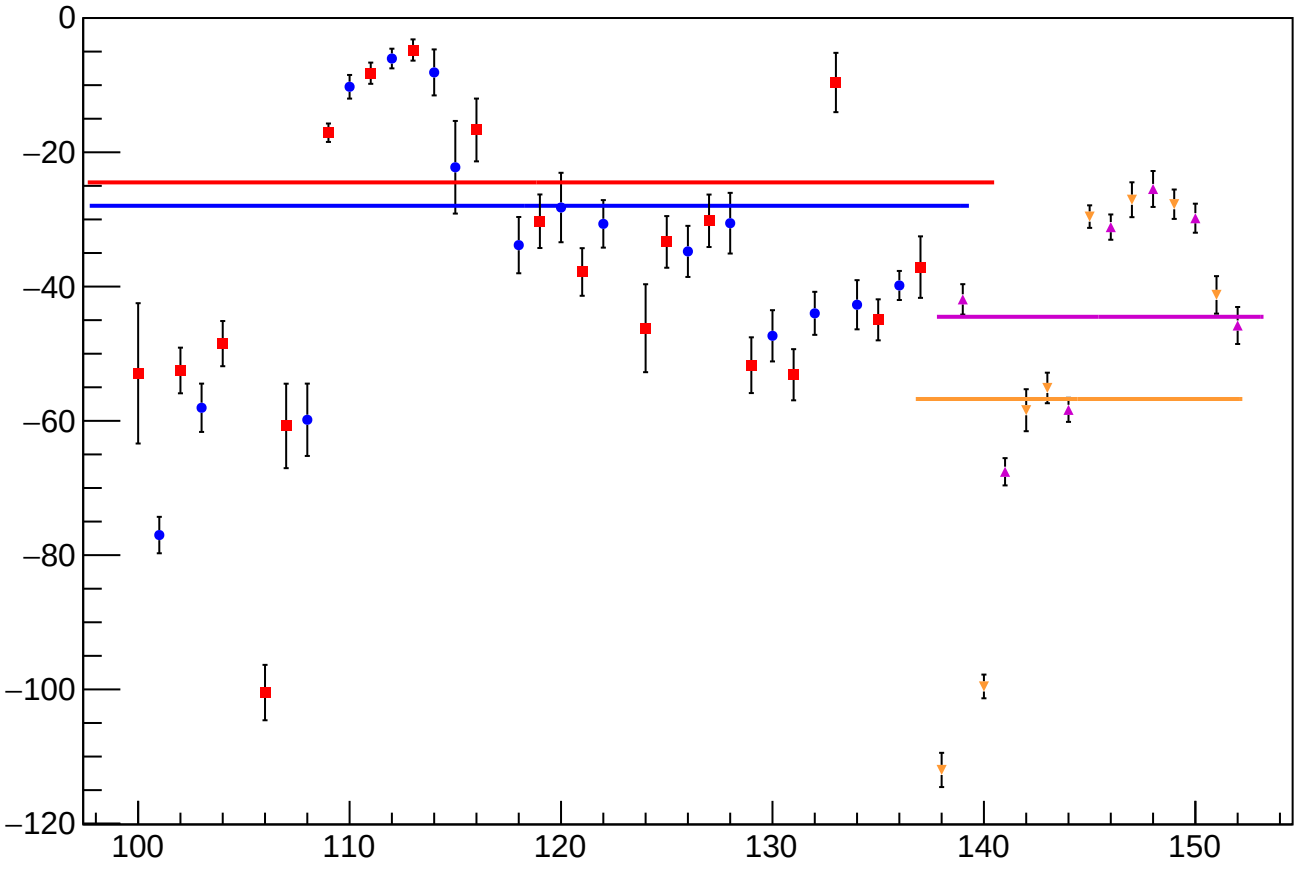
Left: 0.262+/-0.011 χ^2/NDF: 152.5/14

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.127+/-0.013 χ^2/NDF:777.4/22

Out: 0.159+/-0.014 χ^2/NDF:1076.5/26

All: 0.142+/-0.010 χ^2/NDF: 1856.7/49



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: -44.501+/-0.812 χ^2/NDF:337.4/6

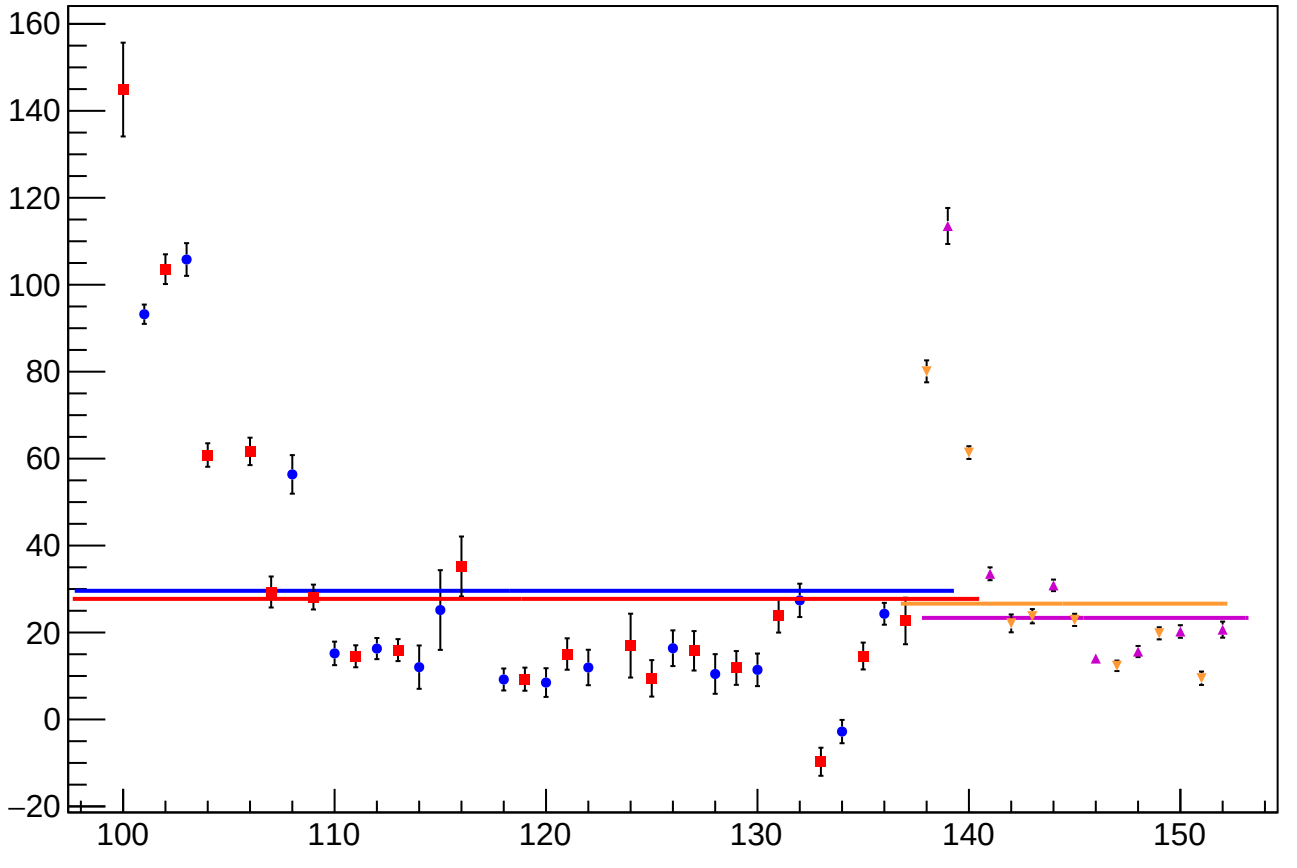
Left: -50.807+/-0.566 χ^2/NDF: 2111.5/14

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -35.328+/-0.542 χ^2/NDF:1462.0/22

Out: -37.850+/-0.507 χ^2/NDF:3628.0/26

All: -36.672+/-0.370 χ^2/NDF: 5101.6/49



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: 23.365+/-0.557 χ^2/NDF:661.8/6

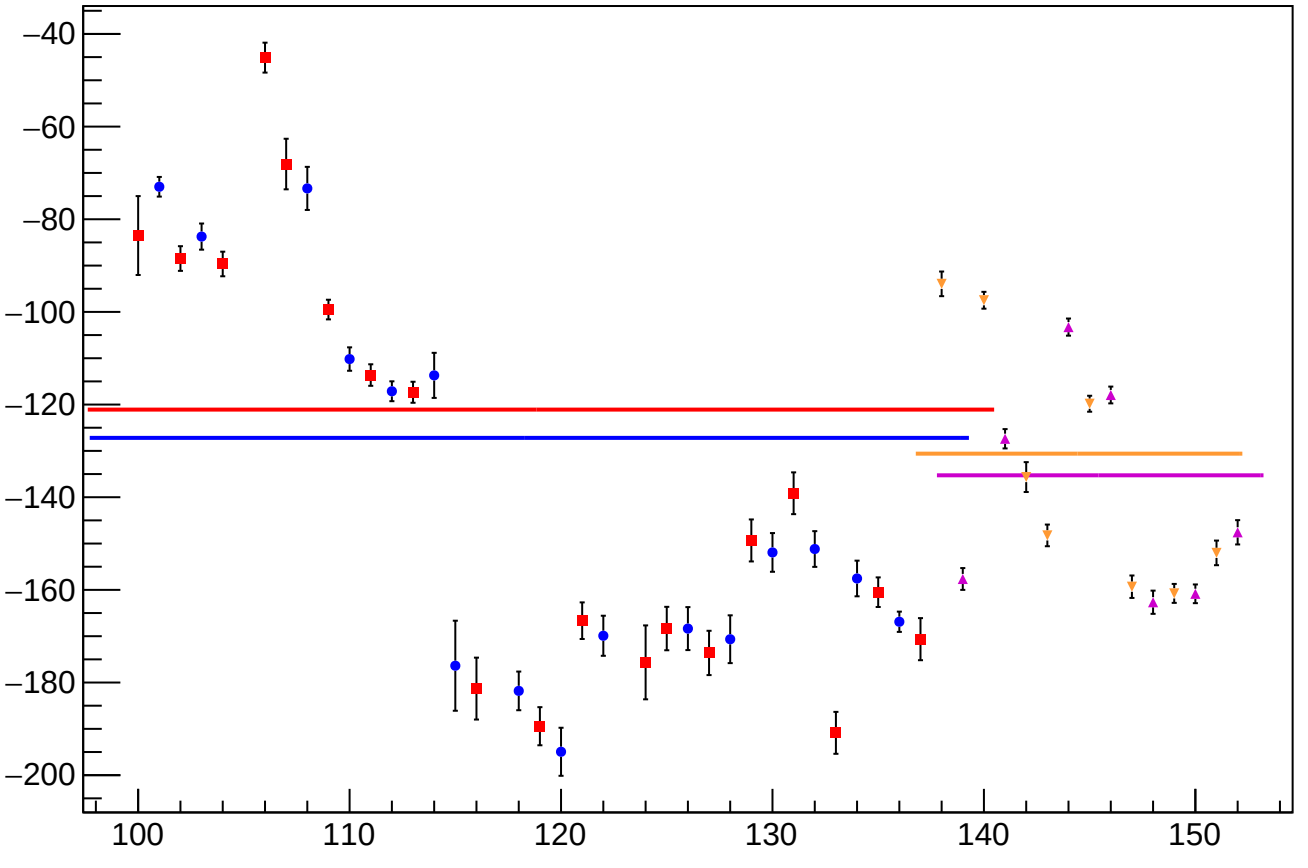
Left: 25.035+/-0.390 χ^2/NDF: 1991.0/14

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 25.376+/-0.459 χ^2/NDF:2367.8/22

Out: 26.988+/-0.450 χ^2/NDF:2498.0/26

All: 26.197+/-0.321 χ^2/NDF: 4872.1/49



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: -135.270+/-0.801 χ^2/NDF:797.7/6

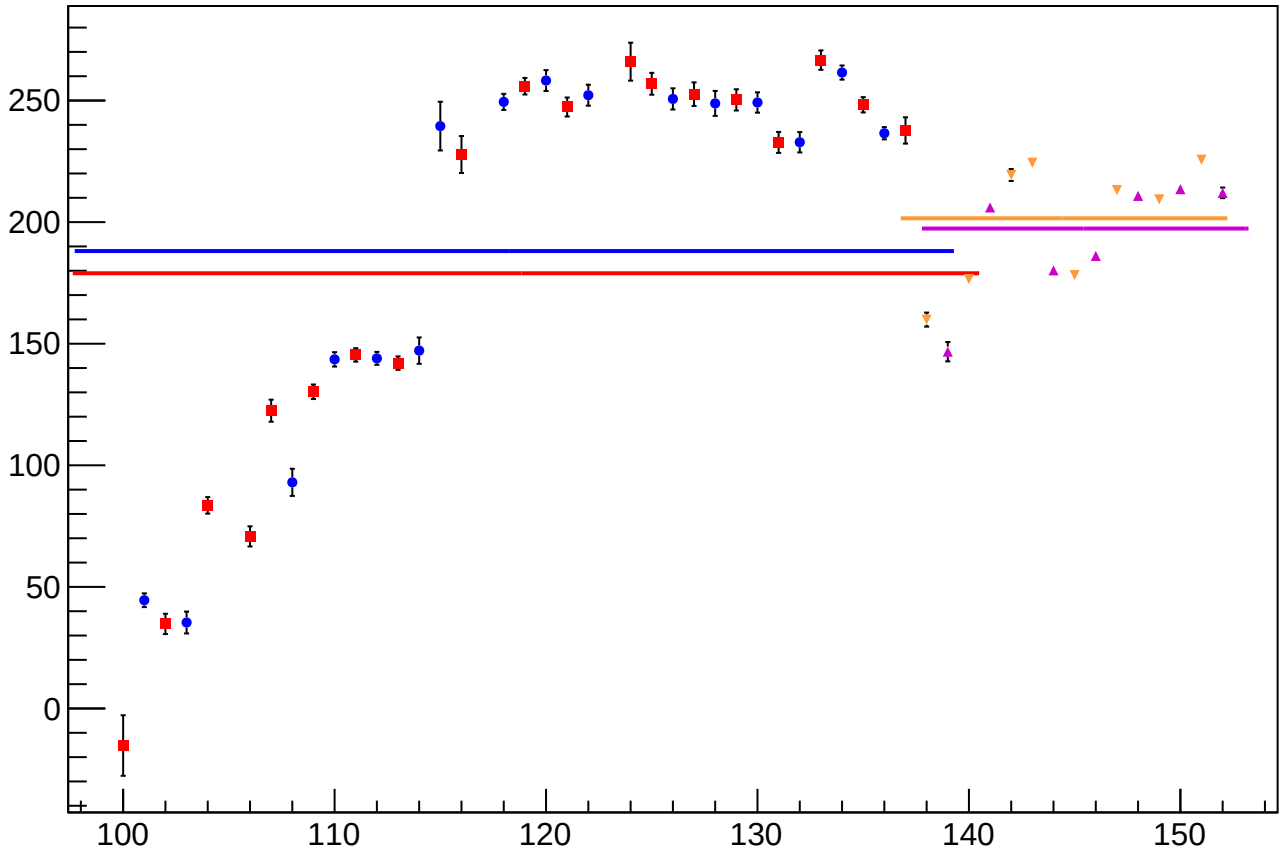
Left: -132.893+/-0.562 χ^2/NDF: 1858.7/14

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -131.369+/-0.576 χ^2/NDF:3025.0/22

Out: -125.900+/-0.561 χ^2/NDF:3512.9/26

All: -128.559+/-0.402 χ^2/NDF: 6584.2/49



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: 197.362+/-0.677 χ^2/NDF:567.9/6

Left: 199.503+/-0.475 χ^2/NDF: 1621.0/14

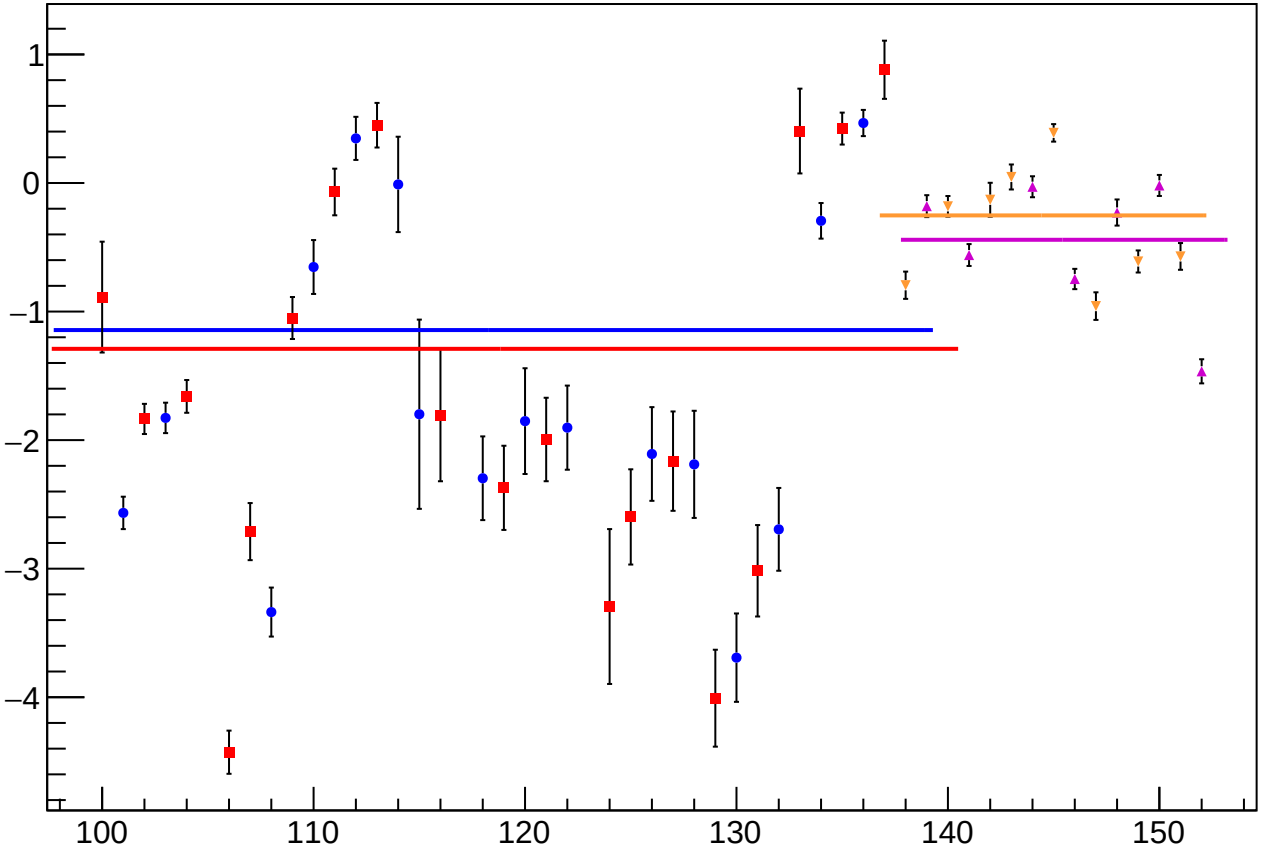
Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 194.100+/-0.545 χ^2/NDF:7752.4/22

Out: 193.652+/-0.538 χ^2/NDF:8104.7/26

All: 193.873+/-0.383 χ^2/NDF: 15857.4/49

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.442+/-0.033 χ^2/NDF:201.8/6

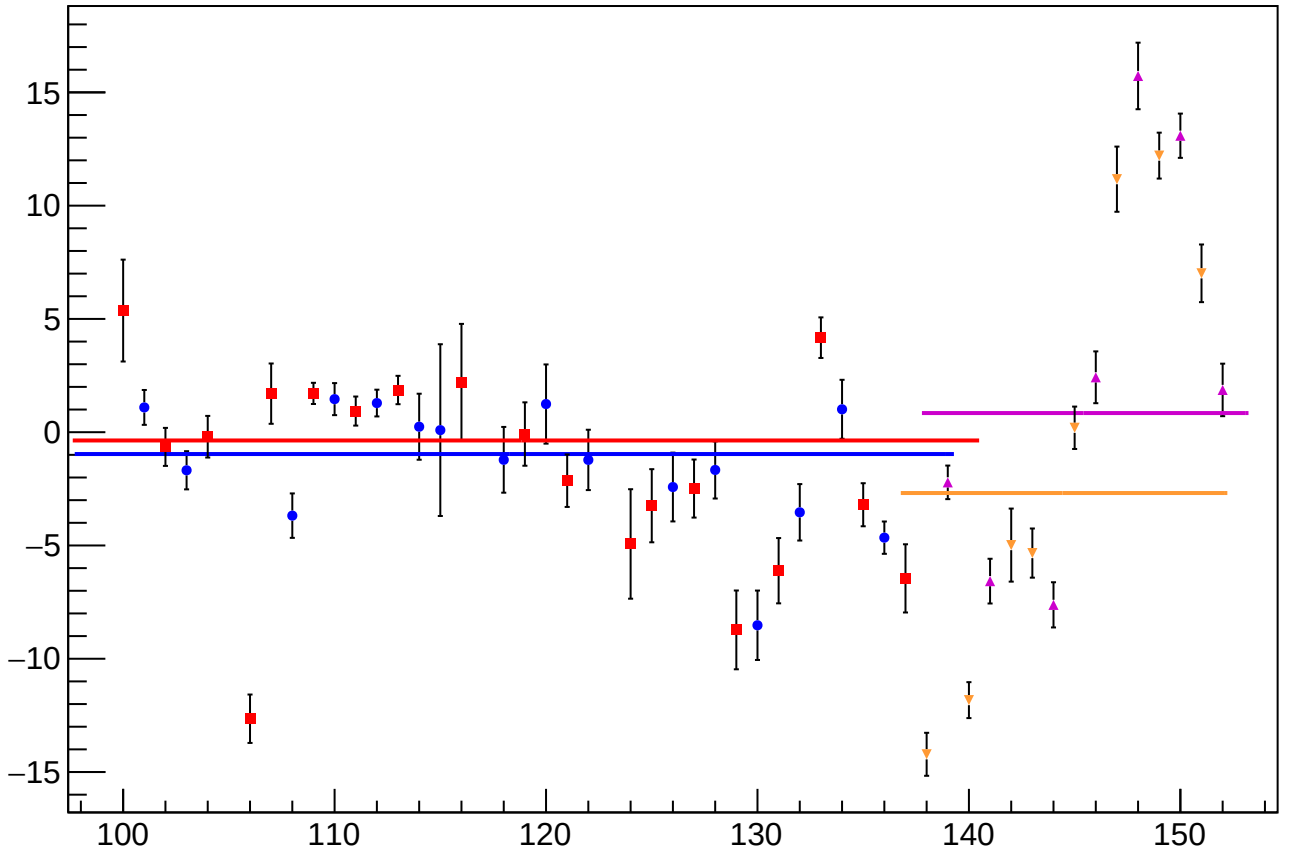
Left: -0.347+/-0.023 χ^2/NDF: 414.8/14

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.662+/-0.027 χ^2/NDF:1135.9/22

Out: -0.586+/-0.027 χ^2/NDF:1518.9/26

All: -0.624+/-0.019 χ^2/NDF: 2658.8/49



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: 0.845+/-0.381 χ^2/NDF:407.9/6

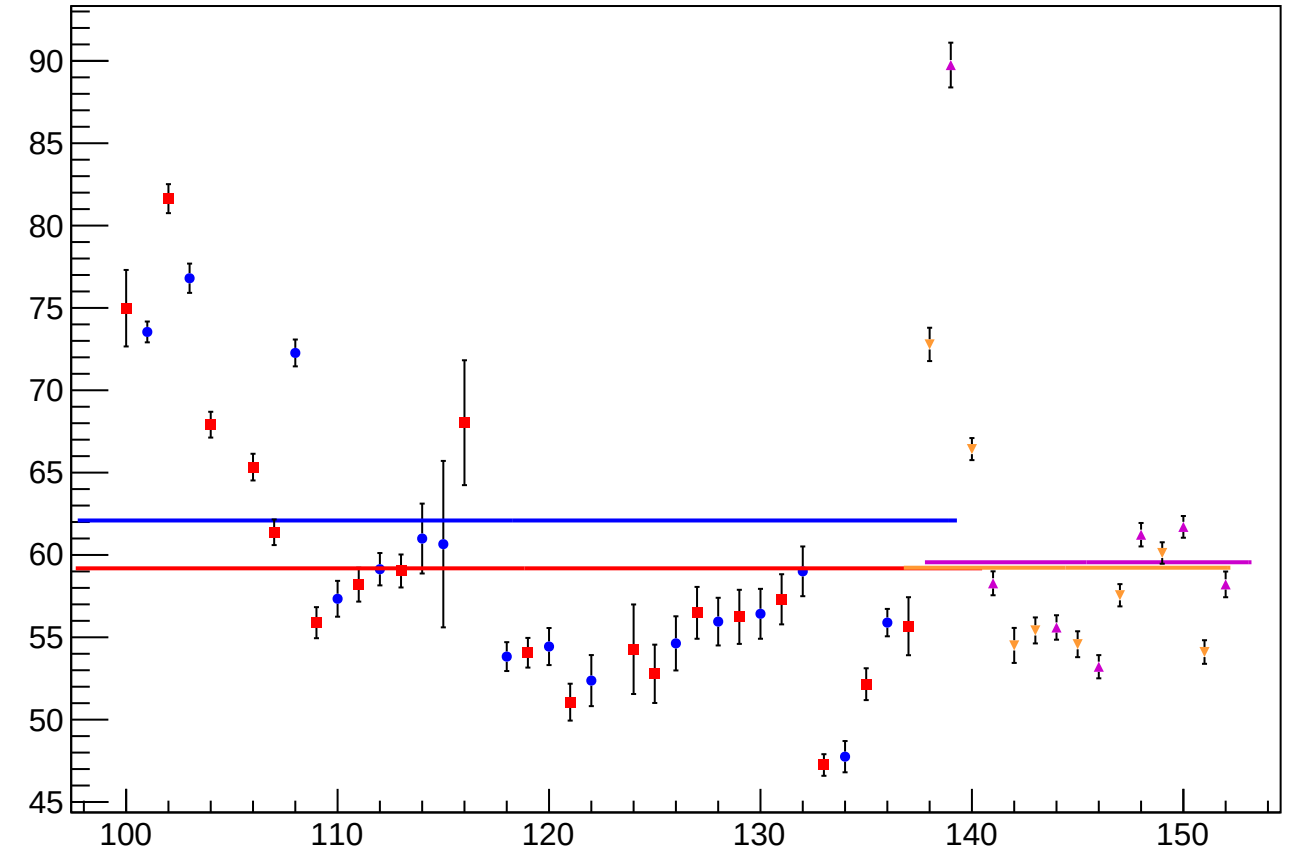
Left: -0.955+/-0.267 χ^2/NDF: 1116.4/14

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -0.411+/-0.211 χ^2/NDF:526.7/22

Out: -0.977+/-0.192 χ^2/NDF:973.7/26

All: -0.720+/-0.142 χ^2/NDF: 1504.4/49



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: 59.557+/-0.287 χ^2/NDF:625.1/6

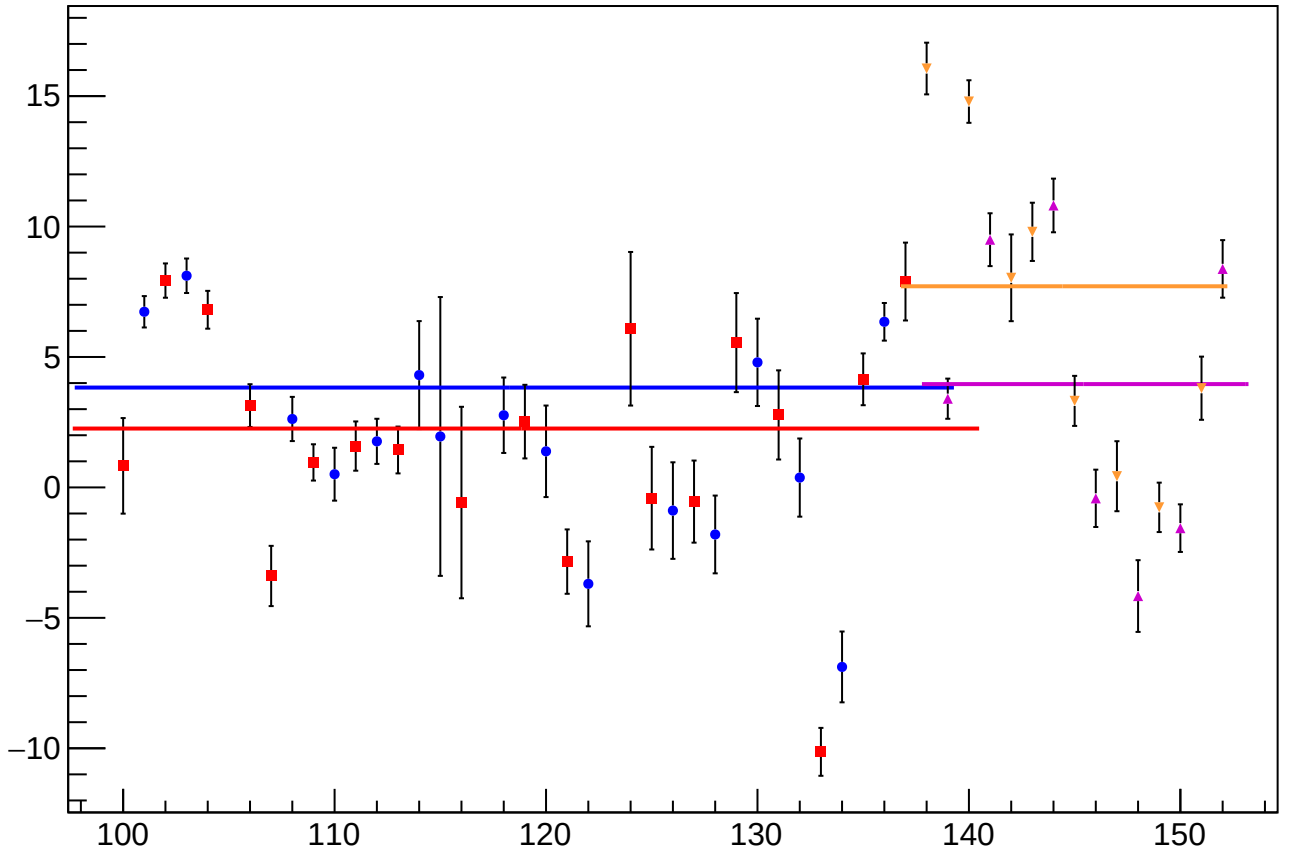
Left: 59.381+/-0.196 χ^2/NDF: 1058.0/14

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 60.923+/-0.195 χ^2/NDF:1968.6/22

Out: 59.205+/-0.181 χ^2/NDF:1834.3/26

All: 59.999+/-0.132 χ^2/NDF: 3844.7/49



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 7.710+/-0.375 χ^2/NDF:290.7/7

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 3.961+/-0.378 χ^2/NDF:178.1/6

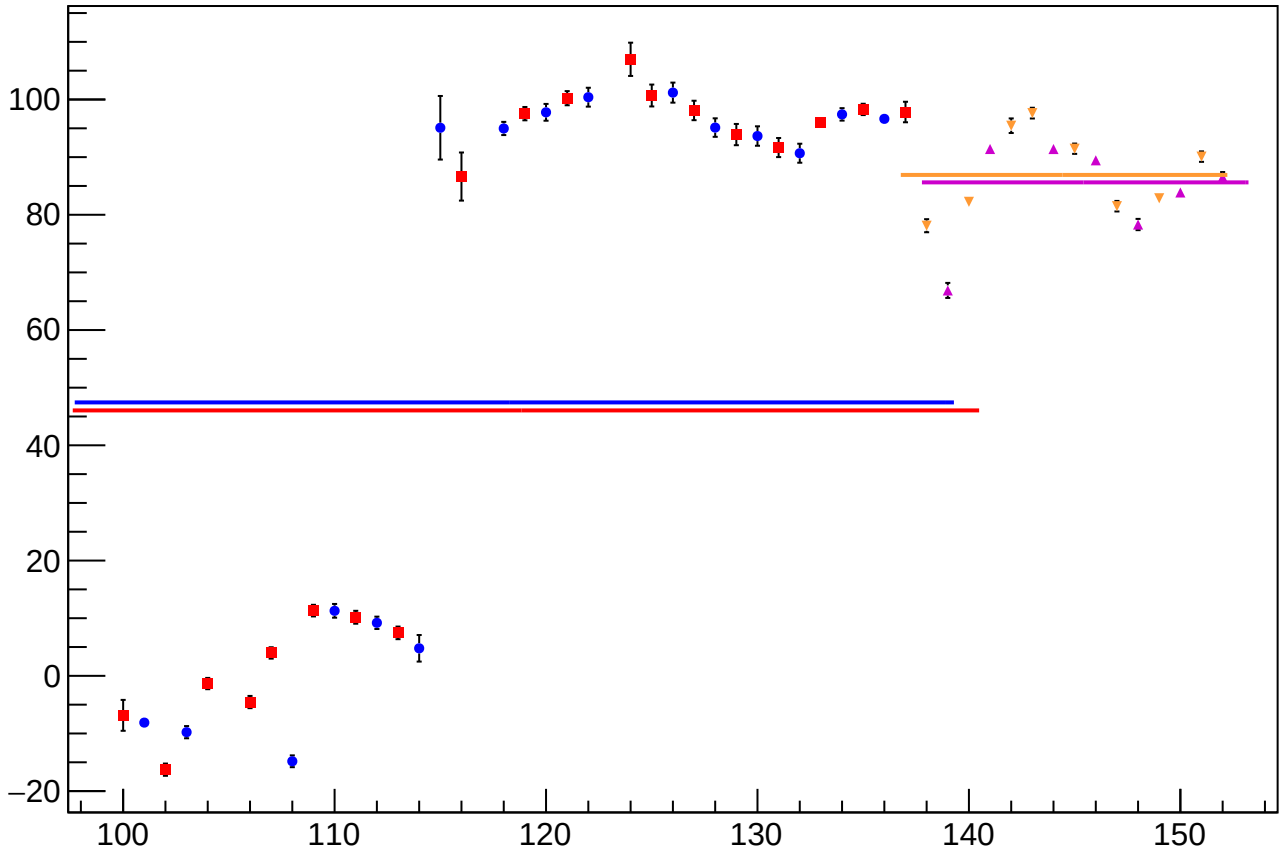
Left: 5.854+/-0.266 χ^2/NDF: 518.4/14

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 3.872+/-0.217 χ^2/NDF:386.8/22

Out: 3.904+/-0.206 χ^2/NDF:810.5/26

All: 3.889+/-0.149 χ^2/NDF: 1197.3/49



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: 85.621+/-0.342 χ^2/NDF:377.8/6

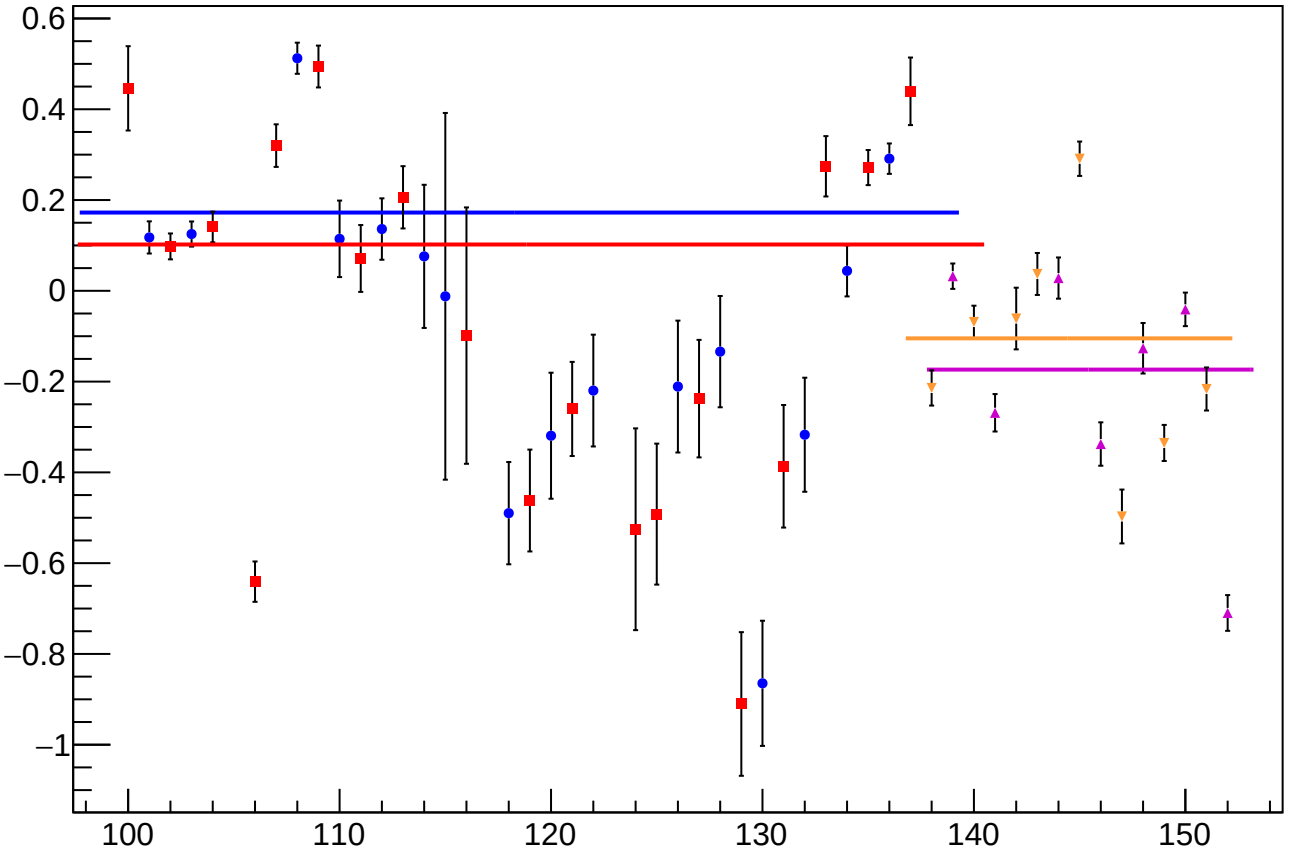
Left: 86.297+/-0.236 χ^2/NDF: 757.6/14

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 64.555+/-0.229 χ^2/NDF:34148.6/22

Out: 63.710+/-0.214 χ^2/NDF:38187.8/26

All: 64.105+/-0.156 χ^2/NDF: 72343.6/49



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: -0.174+/-0.015 χ^2/NDF:290.2/6

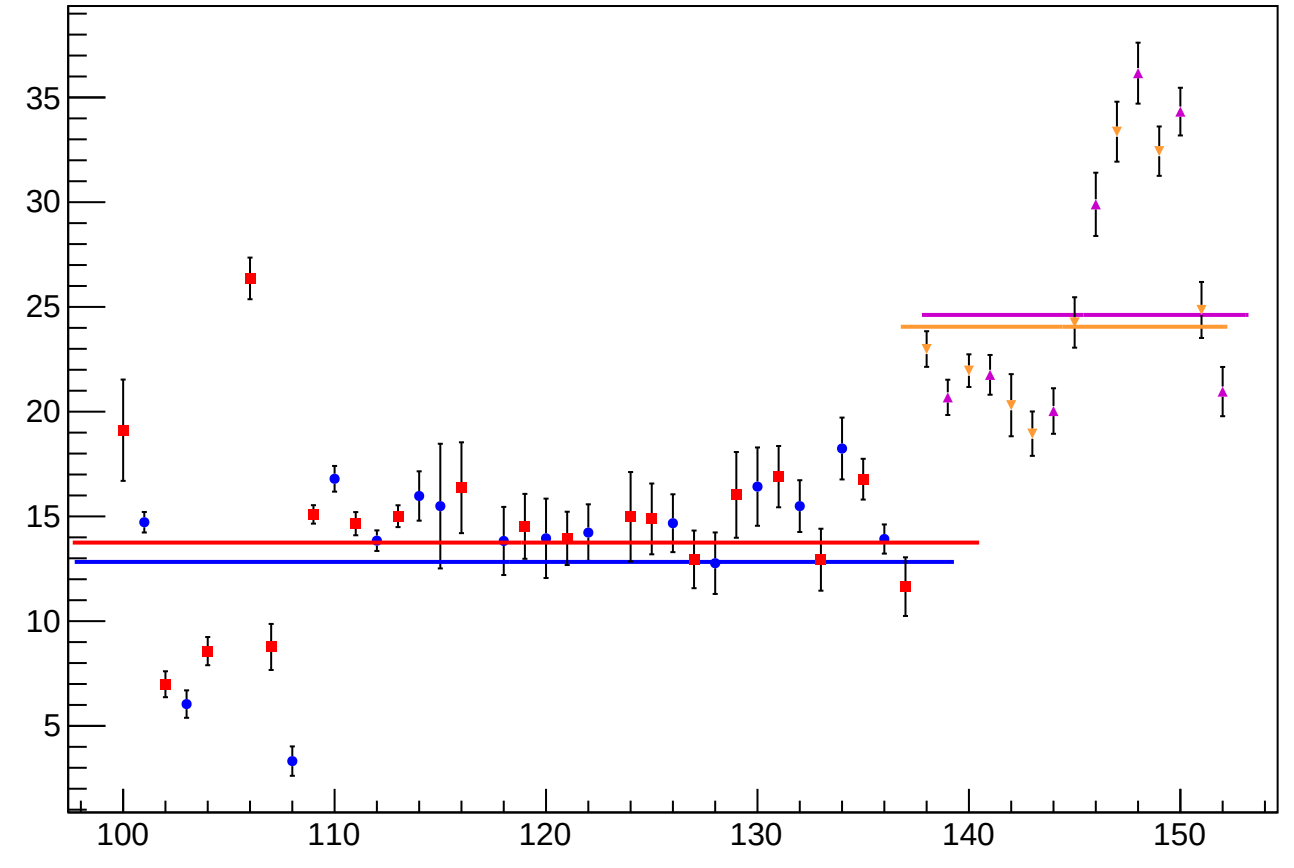
Left: -0.140+/-0.011 χ^2/NDF: 511.3/14

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: 0.009+/-0.010 χ^2/NDF:838.3/22

Out: 0.013+/-0.010 χ^2/NDF:871.4/26

All: 0.011+/-0.007 χ^2/NDF: 1709.8/49



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: 24.618+/-0.416 χ^2/NDF:206.2/6

Left: 24.312+/-0.282 χ^2/NDF: 338.9/14

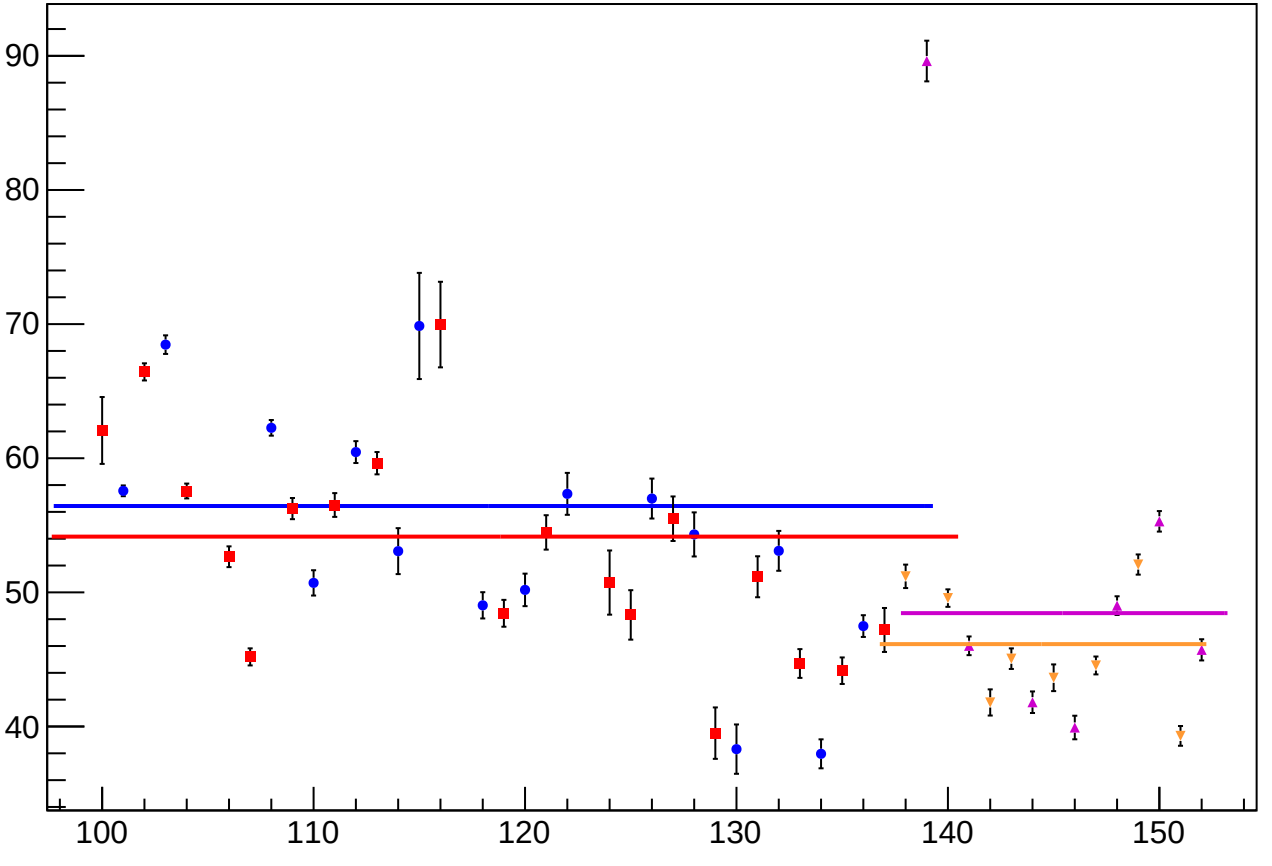
Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.293+/-0.190 χ^2/NDF:1228.9/22

Out: 16.033+/-0.180 χ^2/NDF:1100.2/26

All: 15.684+/-0.131 χ^2/NDF: 2337.0/49

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 48.452+/-0.306 χ^2/NDF:1003.5/6

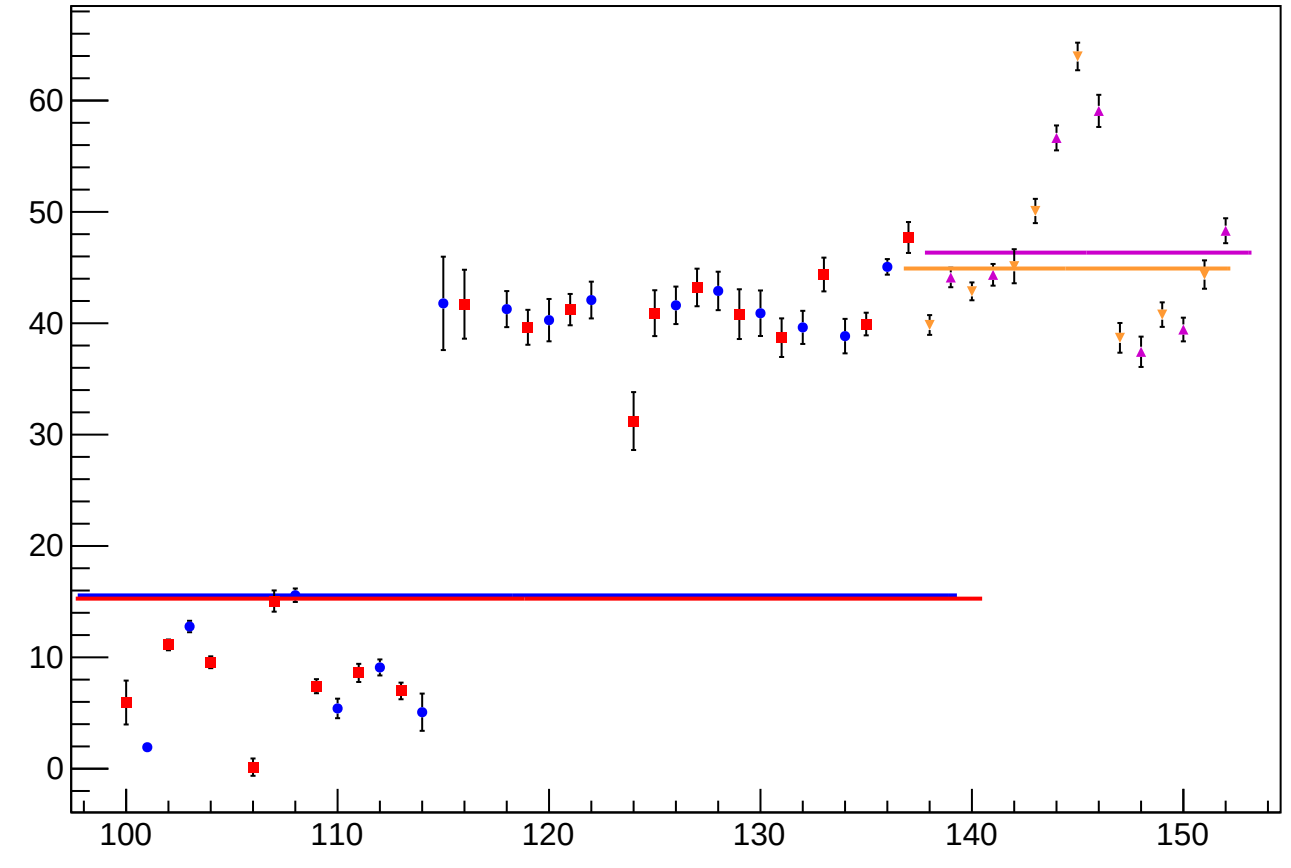
Left: 47.173+/-0.204 χ^2/NDF: 1278.6/14

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 53.682+/-0.180 χ^2/NDF:2538.9/22

Out: 50.943+/-0.174 χ^2/NDF:1760.8/26

All: 52.268+/-0.125 χ^2/NDF: 4419.9/49



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: 46.342+/-0.413 χ^2/NDF:261.0/6

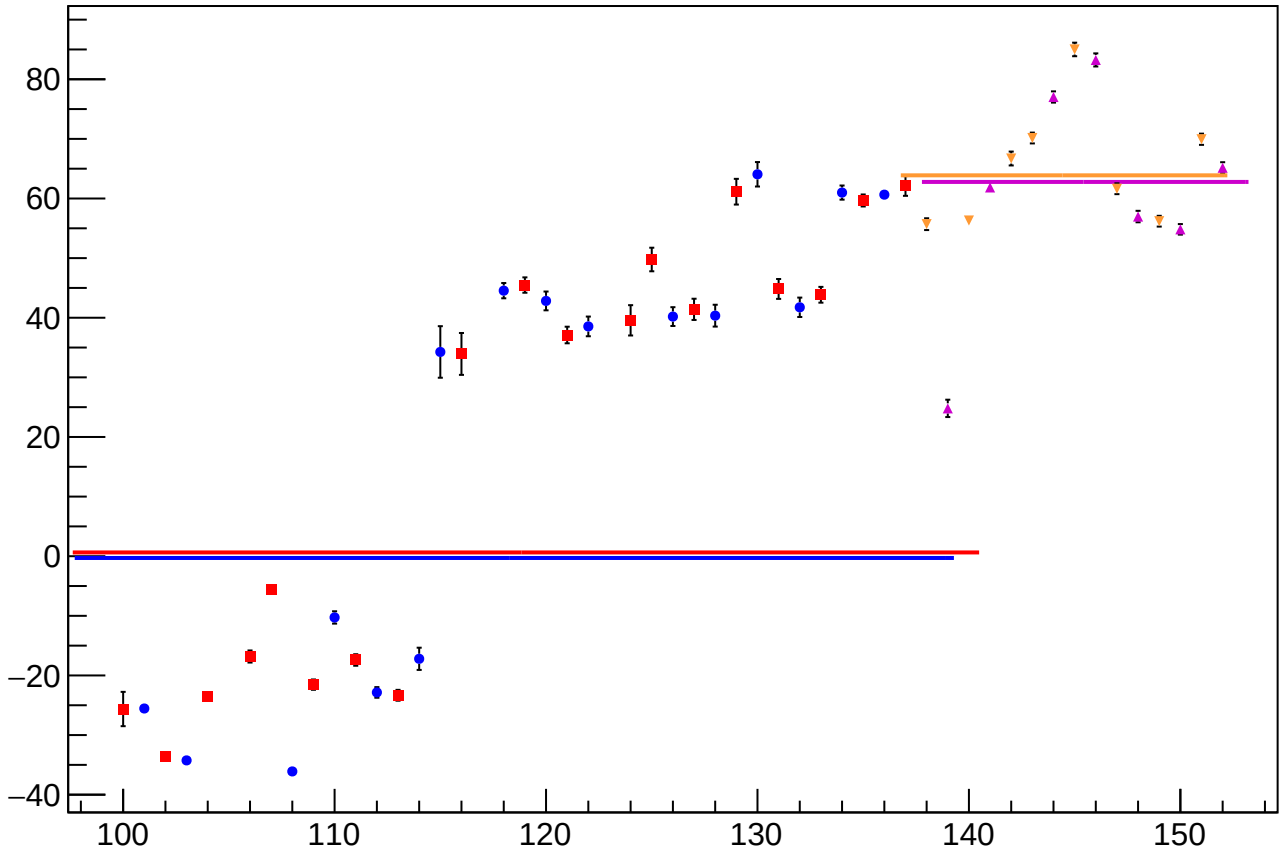
Left: 45.578+/-0.282 χ^2/NDF: 601.5/14

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 22.066+/-0.190 χ^2/NDF:9809.5/22

Out: 22.525+/-0.190 χ^2/NDF:8684.9/26

All: 22.295+/-0.135 χ^2/NDF: 18497.4/49



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: 62.780+/-0.368 χ^2/NDF:1381.7/6

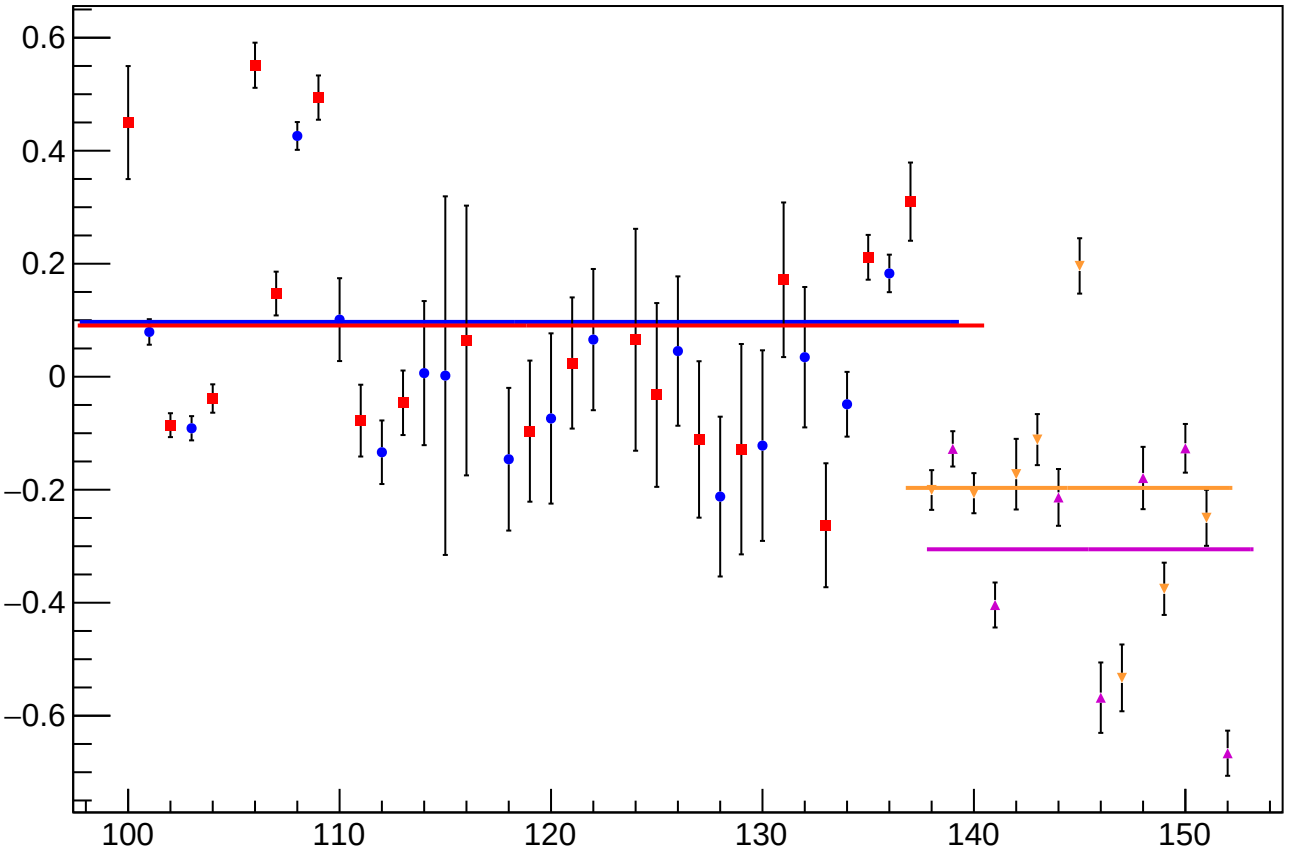
Left: 63.386+/-0.247 χ^2/NDF: 2067.3/14

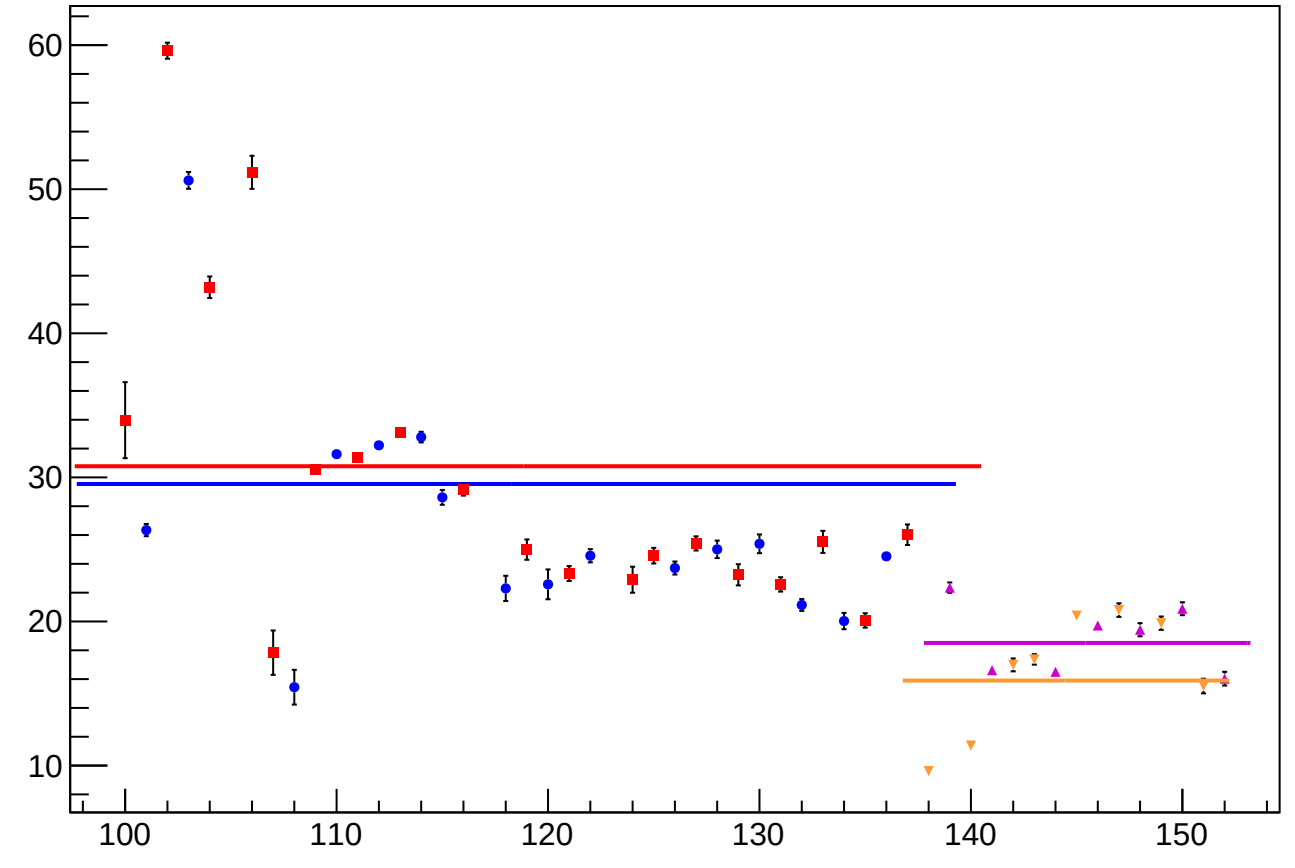
Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 20.893+/-0.213 χ^2/NDF:41972.5/22

Out: 24.870+/-0.207 χ^2/NDF:38771.3/26

All: 22.938+/-0.148 χ^2/NDF: 80923.1/49


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: 0.097+/-0.011 χ²/NDF: 299.1/15
Left Out: -0.197+/-0.016 χ²/NDF:116.5/7
Right Out: 0.091+/-0.011 χ²/NDF: 399.5/18
Left In: -0.305+/-0.016 χ²/NDF:163.6/6
Left: -0.250+/-0.011 χ²/NDF: 302.9/14
Right: 0.094+/-0.008 χ²/NDF: 698.7/34
In: -0.033+/-0.009 χ²/NDF:879.2/22
Out: -0.006+/-0.009 χ²/NDF:730.8/26
All: -0.020+/-0.007 χ²/NDF: 1614.1/49



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: 18.510+/-0.137 χ^2/NDF:275.6/6

Left: 17.117+/-0.093 χ^2/NDF: 1578.3/14

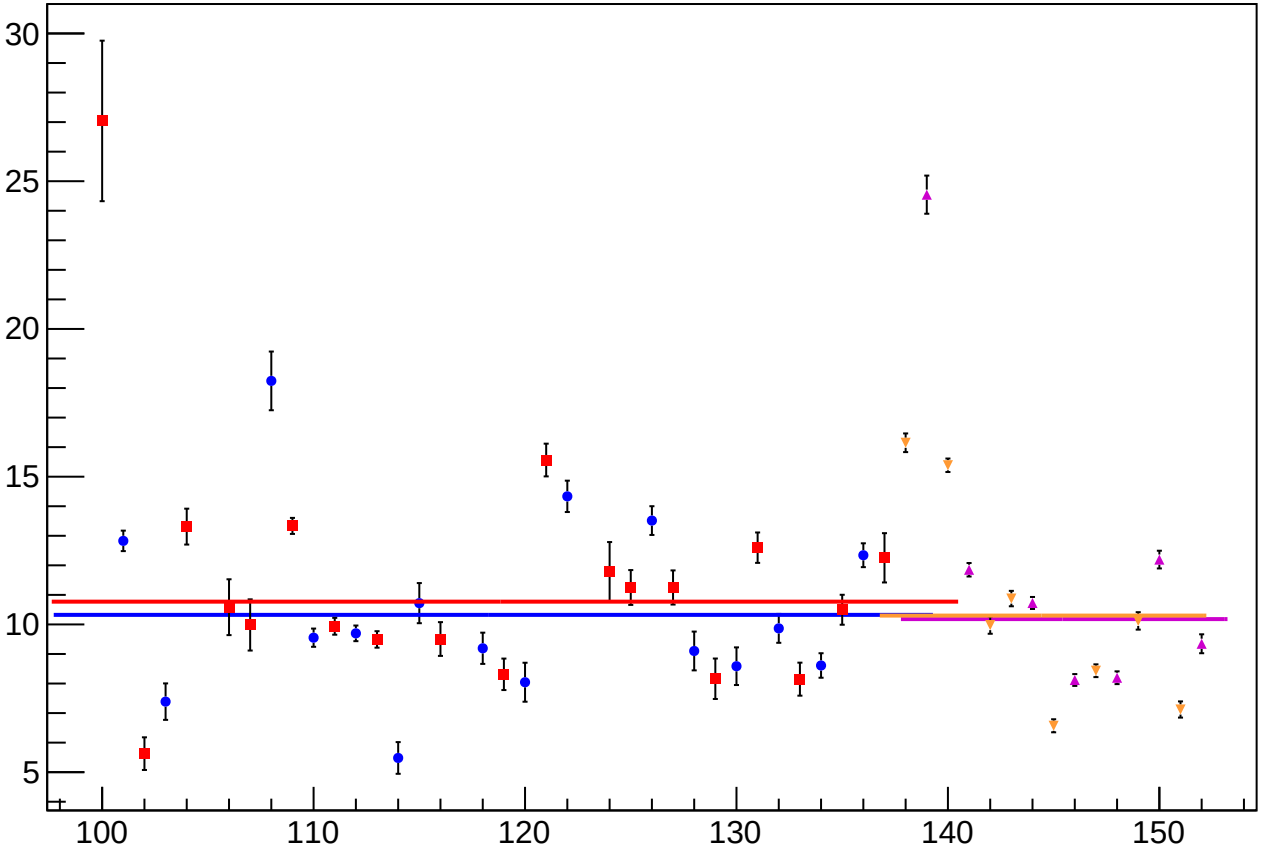
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 26.104+/-0.076 χ^2/NDF:8133.0/22

Out: 26.568+/-0.068 χ^2/NDF:15924.3/26

All: 26.363+/-0.051 χ^2/NDF: 24077.9/49

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.299+/-0.090 χ^2/NDF:1340.8/7

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 10.181+/-0.094 χ^2/NDF:798.1/6

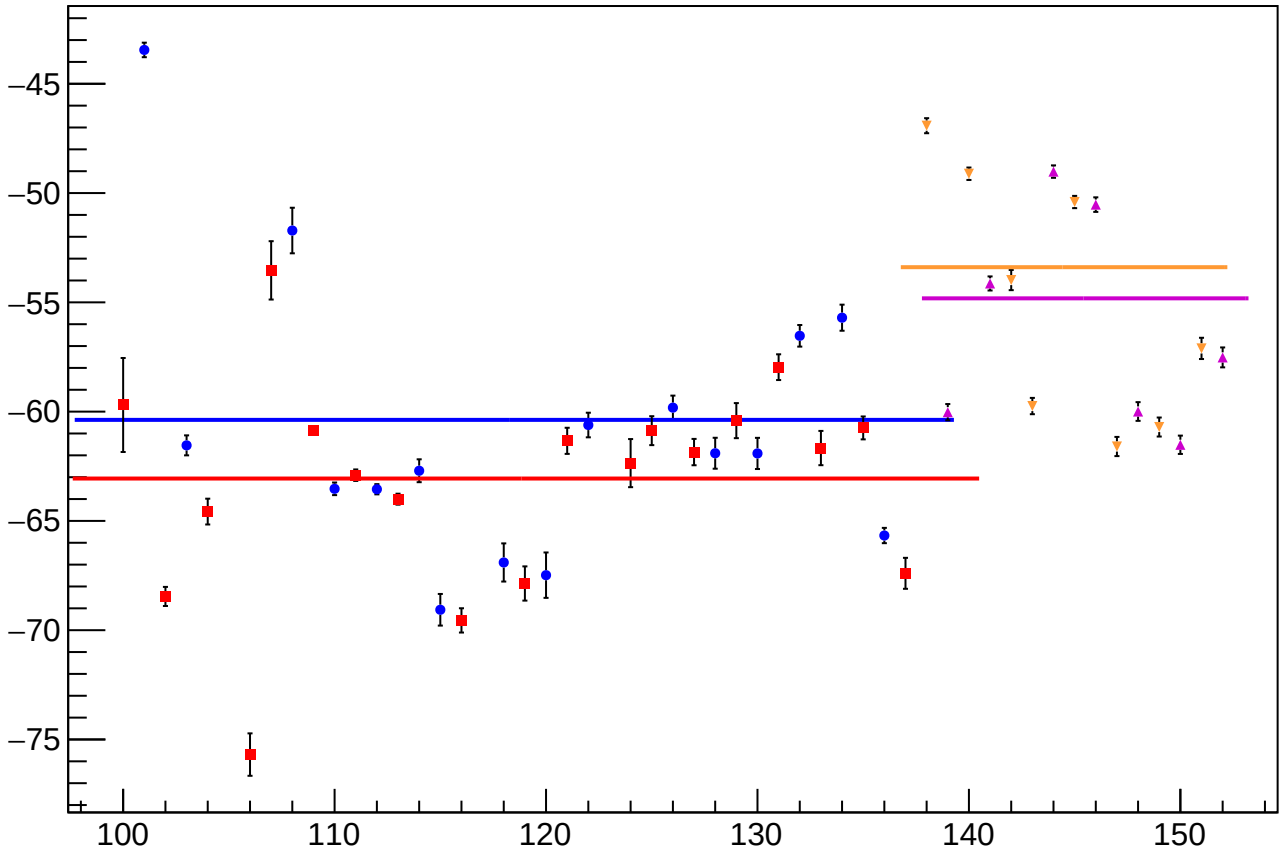
Left: 10.242+/-0.065 χ^2/NDF: 2139.8/14

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.239+/-0.073 χ^2/NDF:1201.7/22

Out: 10.484+/-0.071 χ^2/NDF:1767.2/26

All: 10.365+/-0.051 χ^2/NDF: 2974.8/49



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: -54.817+/-0.136 χ^2/NDF:1218.3/6

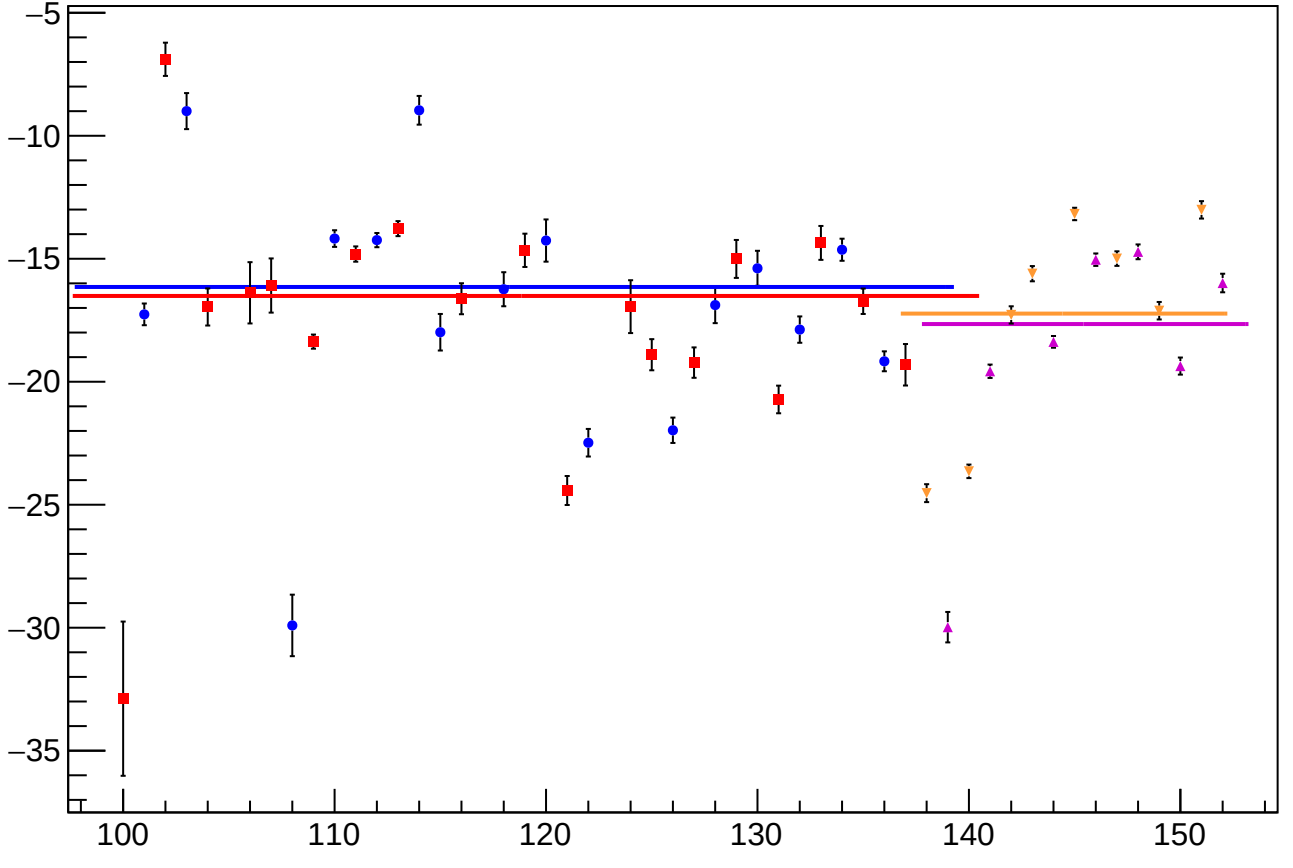
Left: -54.068+/-0.094 χ^2/NDF: 2951.7/14

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -58.103+/-0.087 χ^2/NDF:5806.0/22

Out: -59.109+/-0.082 χ^2/NDF:5841.8/26

All: -58.632+/-0.060 χ^2/NDF: 11718.3/49



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.230+/-0.110 χ^2/NDF:1428.5/7

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -17.655+/-0.115 χ^2/NDF:700.8/6

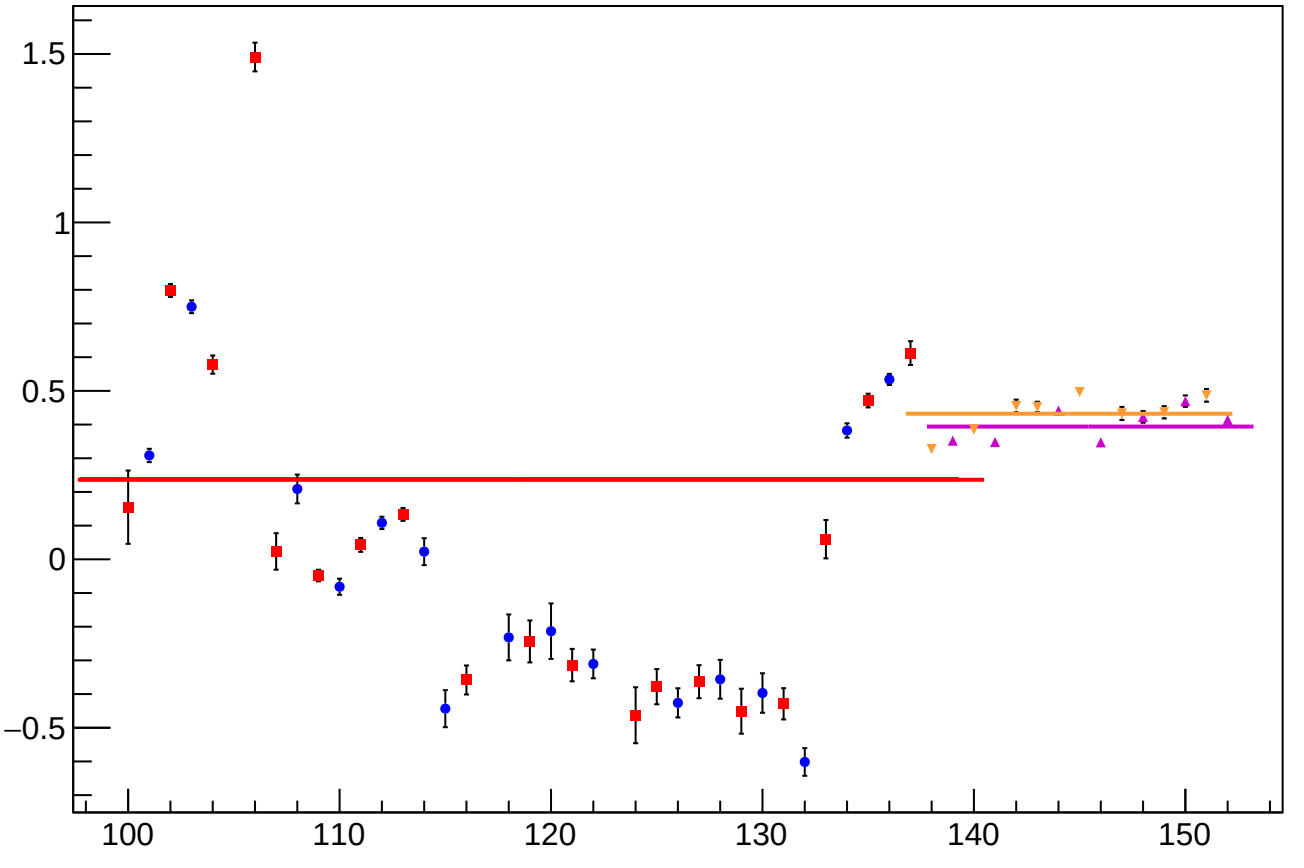
Left: -17.433+/-0.080 χ^2/NDF: 2136.4/14

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -16.976+/-0.085 χ^2/NDF:1575.2/22

Out: -16.914+/-0.083 χ^2/NDF:2131.8/26

All: -16.944+/-0.059 χ^2/NDF: 3707.2/49



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: 0.394+/-0.006 χ^2/NDF:70.5/6

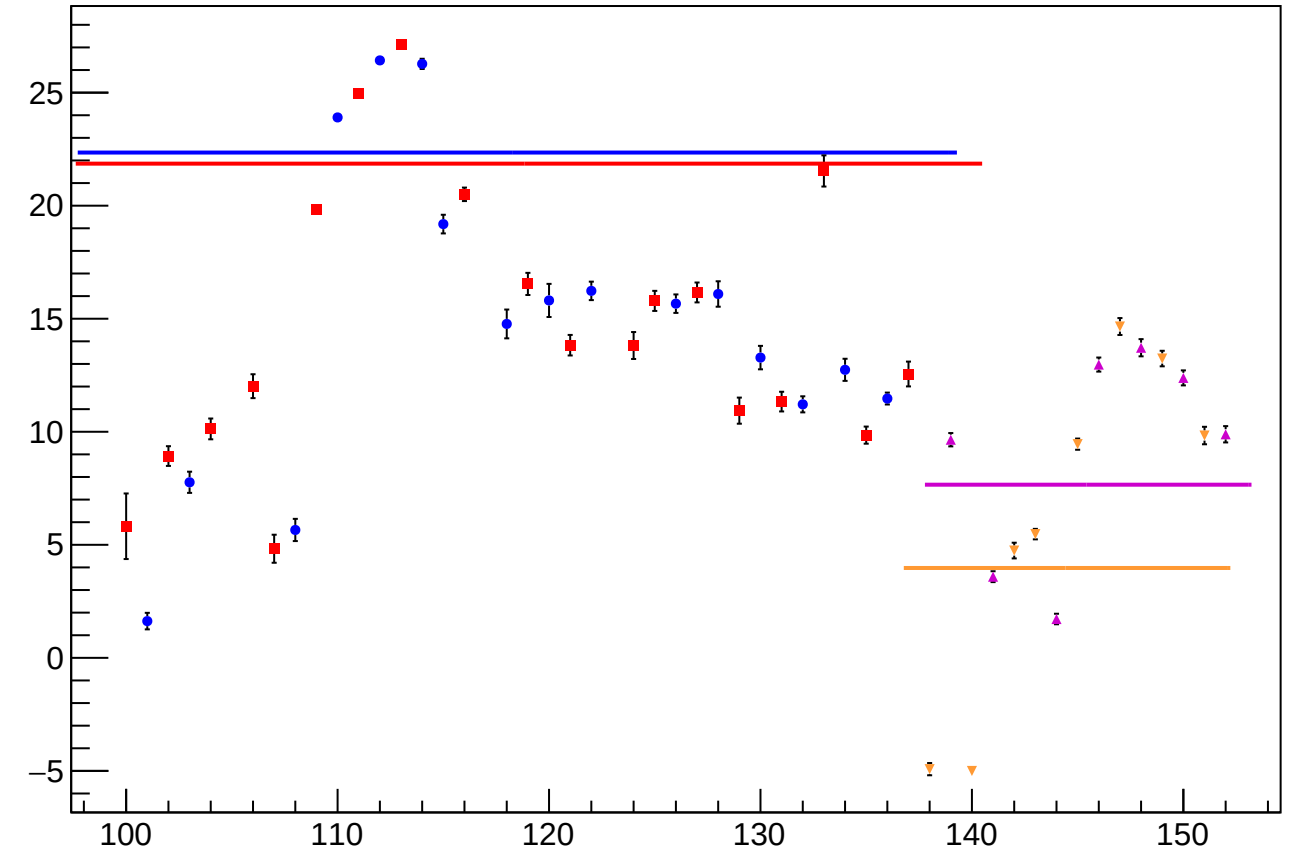
Left: 0.414+/-0.004 χ^2/NDF: 210.3/14

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.335+/-0.004 χ^2/NDF:3008.3/22

Out: 0.361+/-0.004 χ^2/NDF:4196.6/26

All: 0.348+/-0.003 χ^2/NDF: 7223.0/49



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: 7.659+/-0.111 χ^2/NDF:1766.0/6

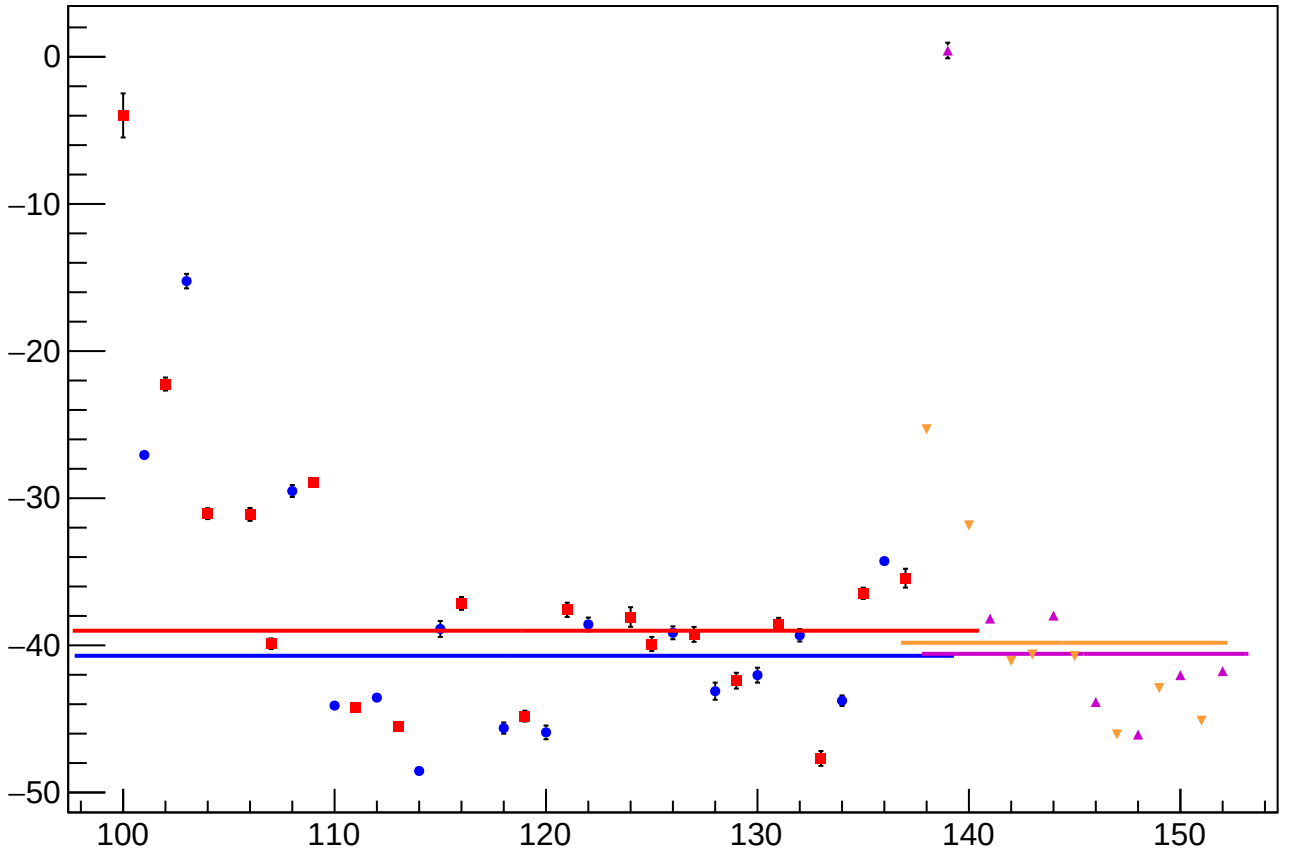
Left: 5.617+/-0.074 χ^2/NDF: 7520.1/14

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 19.323+/-0.050 χ^2/NDF:28008.0/22

Out: 18.680+/-0.042 χ^2/NDF:42371.1/26

All: 18.944+/-0.032 χ^2/NDF: 70475.0/49



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: -40.576+/-0.077 χ^2/NDF:7676.3/6

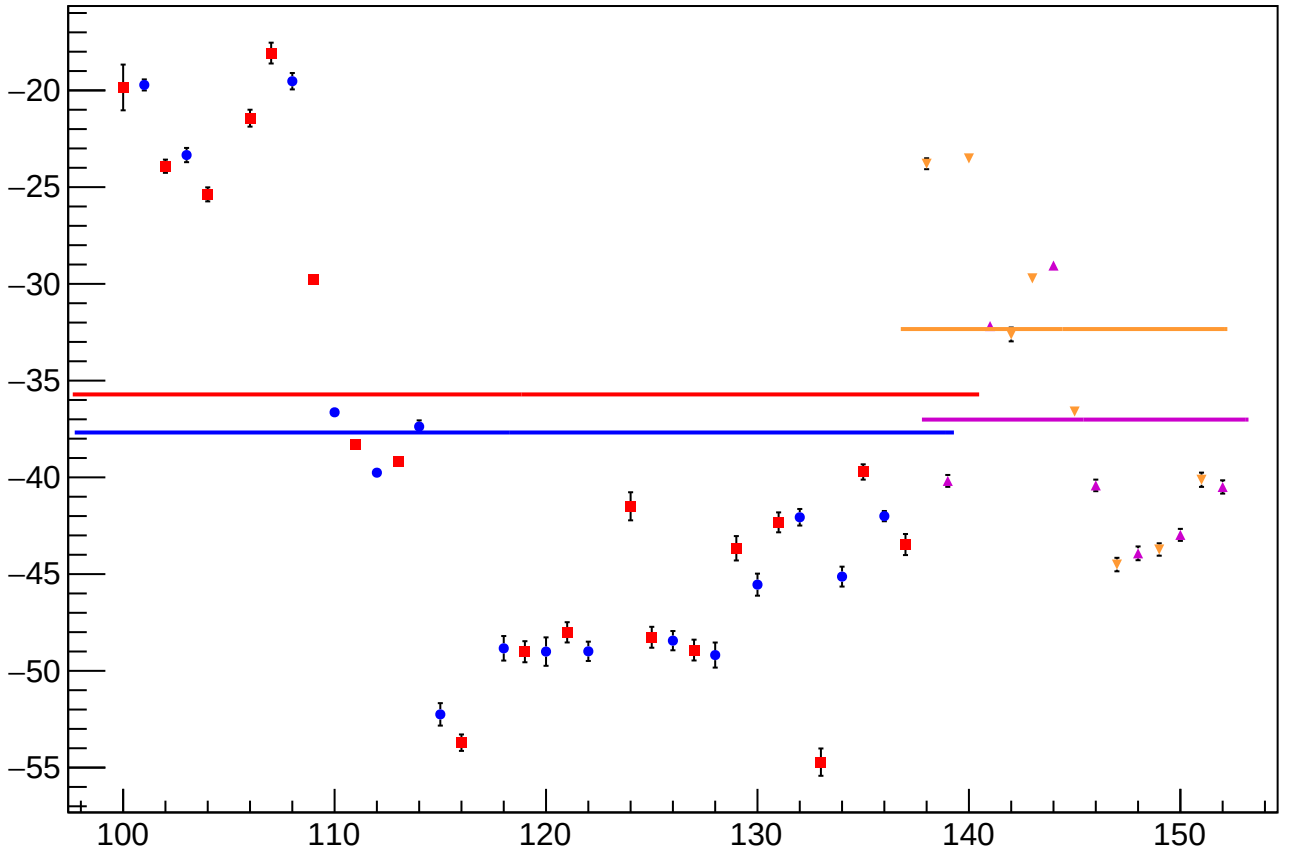
Left: -40.163+/-0.052 χ^2/NDF: 15036.5/14

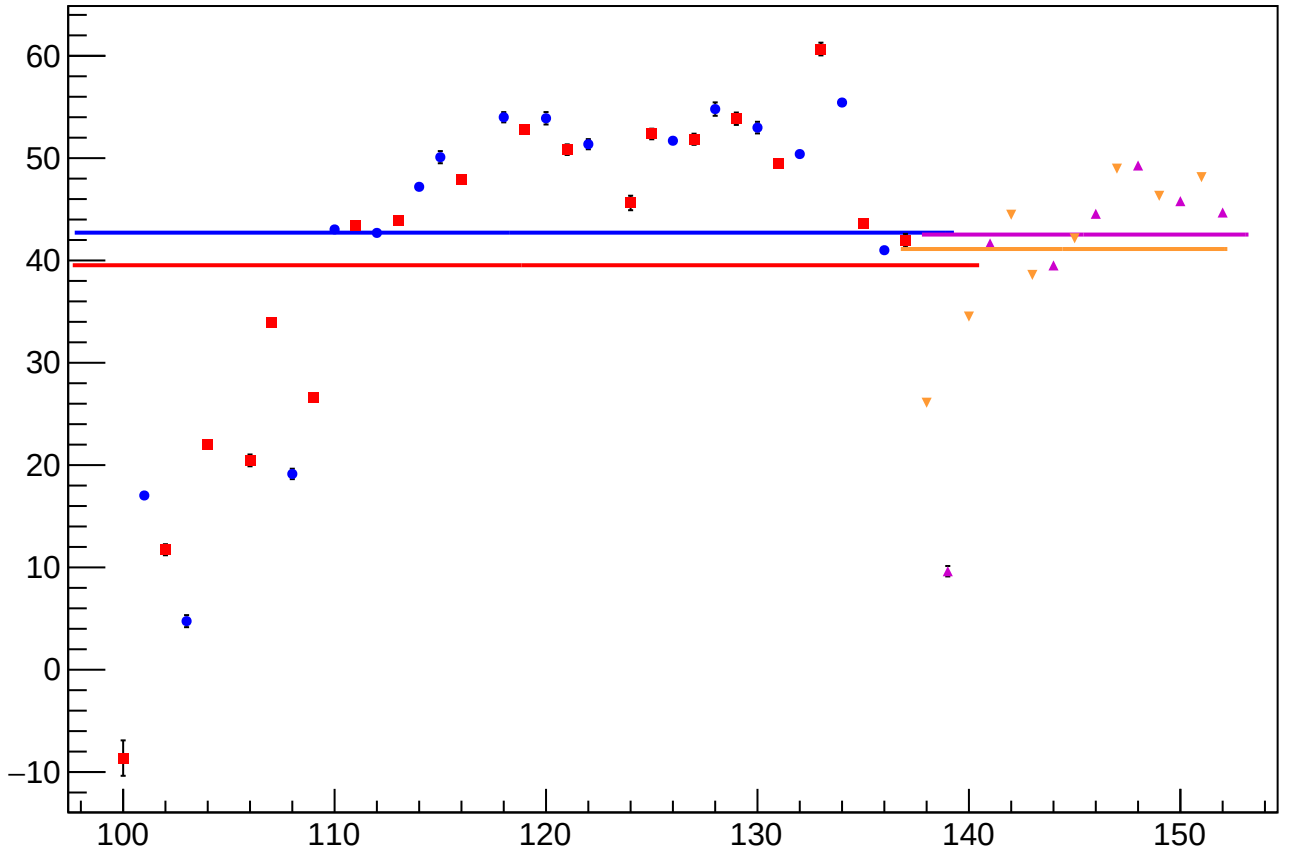
Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -40.643+/-0.054 χ^2/NDF:15458.2/22

Out: -39.419+/-0.050 χ^2/NDF:17477.0/26

All: -39.979+/-0.037 χ^2/NDF: 33209.8/49


reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−25
−30
−35
−40
−45
−50
−55
100
110
120
130
140
150
Right In: -37.681+/-0.074 χ²/NDF: 10853.9/15
Left Out: -32.335+/-0.100 χ²/NDF:5839.3/7
Right Out: -35.714+/-0.064 χ²/NDF: 13274.5/18
Left In: -37.014+/-0.110 χ²/NDF:2566.2/6
Left: -34.457+/-0.074 χ²/NDF: 9389.5/14
Right: -36.564+/-0.048 χ²/NDF: 24532.6/34
In: -37.475+/-0.061 χ²/NDF:13445.4/22
Out: -34.731+/-0.054 χ²/NDF:19916.2/26
All: -35.934+/-0.041 χ²/NDF: 34486.6/49



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: 42.531+/-0.094 χ^2/NDF:5438.4/6

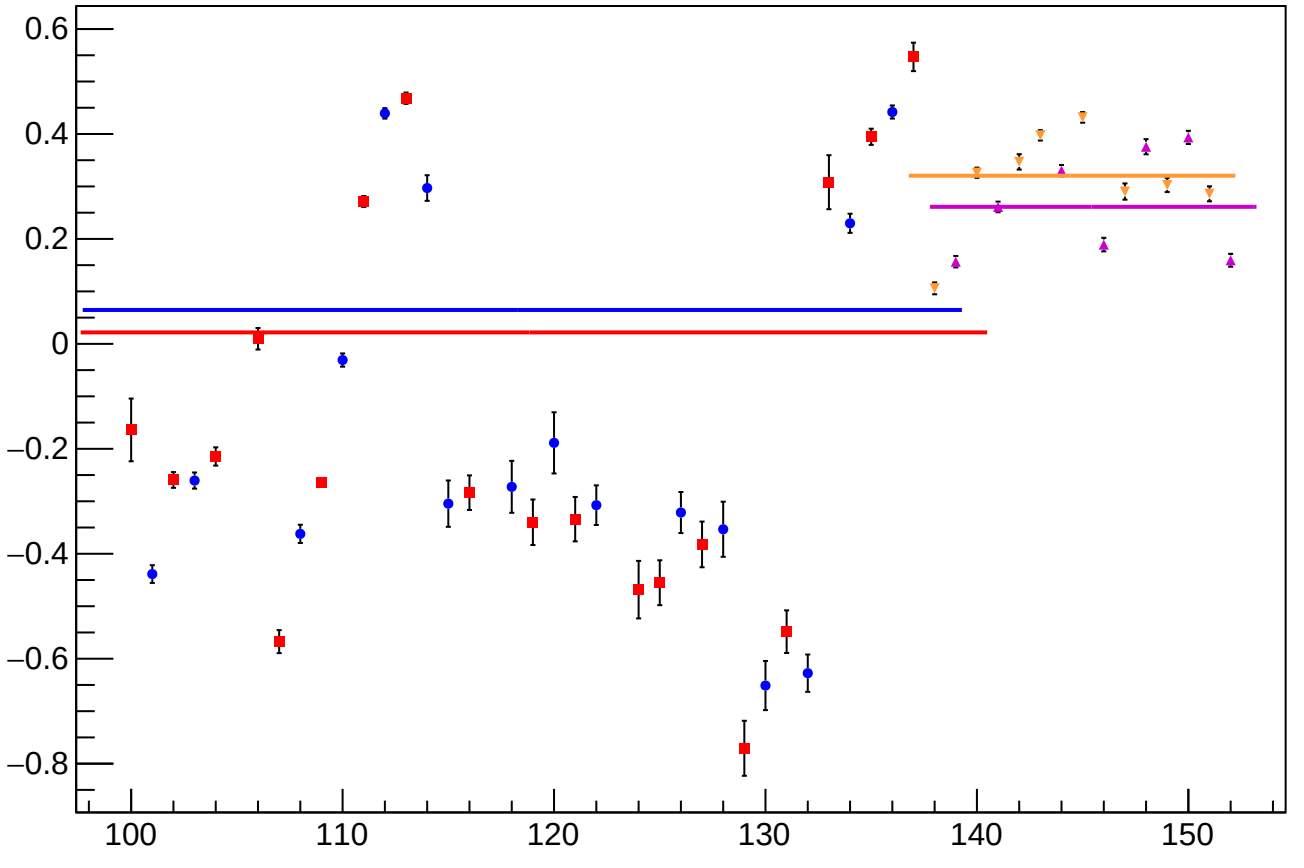
Left: 41.760+/-0.063 χ^2/NDF: 11510.9/14

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.634+/-0.063 χ^2/NDF:20205.5/22

Out: 40.254+/-0.058 χ^2/NDF:24114.4/26

All: 41.339+/-0.043 χ^2/NDF: 45094.8/49



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: 0.261+/-0.004 χ^2/NDF:405.7/6

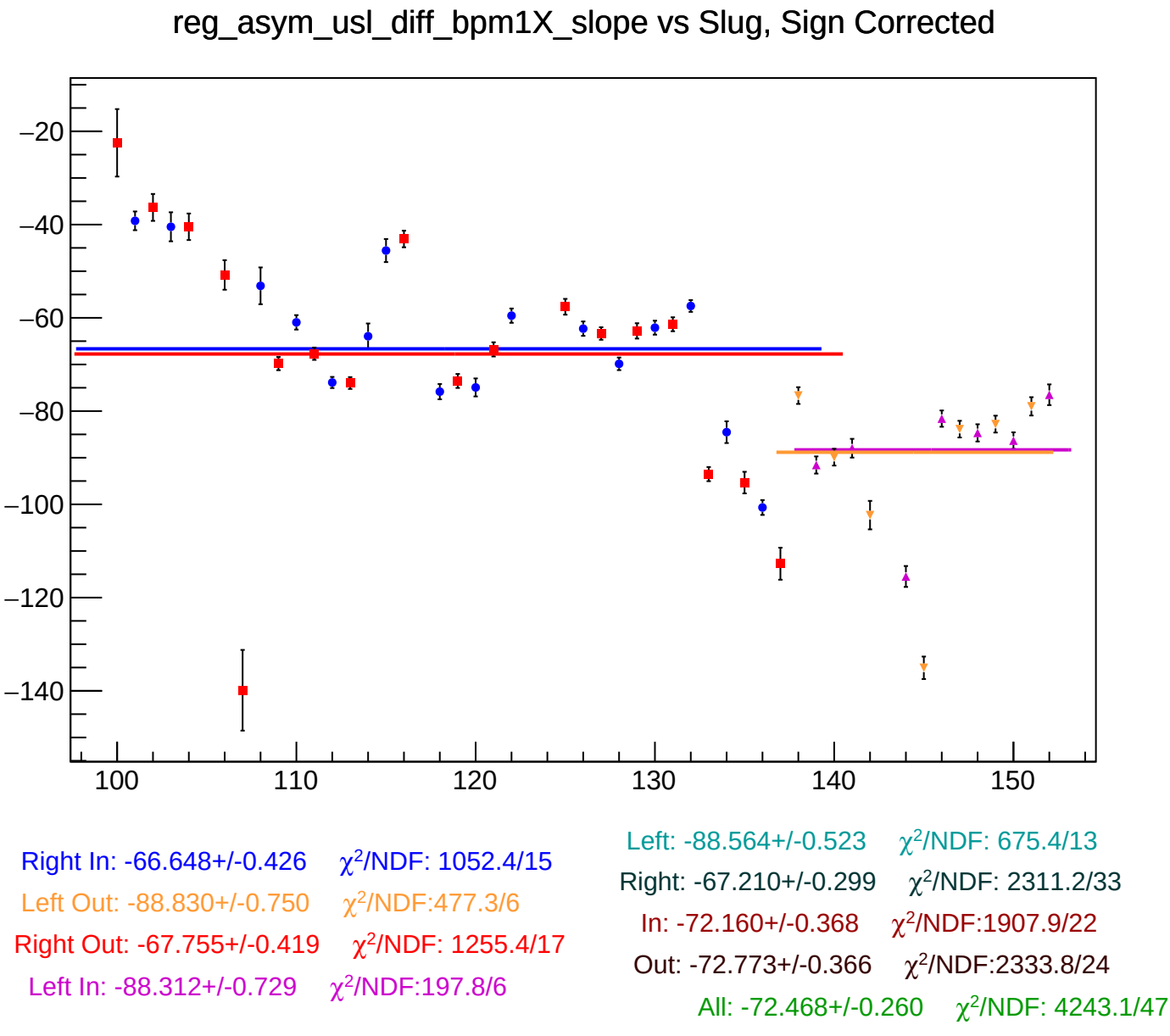
Left: 0.293+/-0.003 χ^2/NDF: 1052.3/14

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

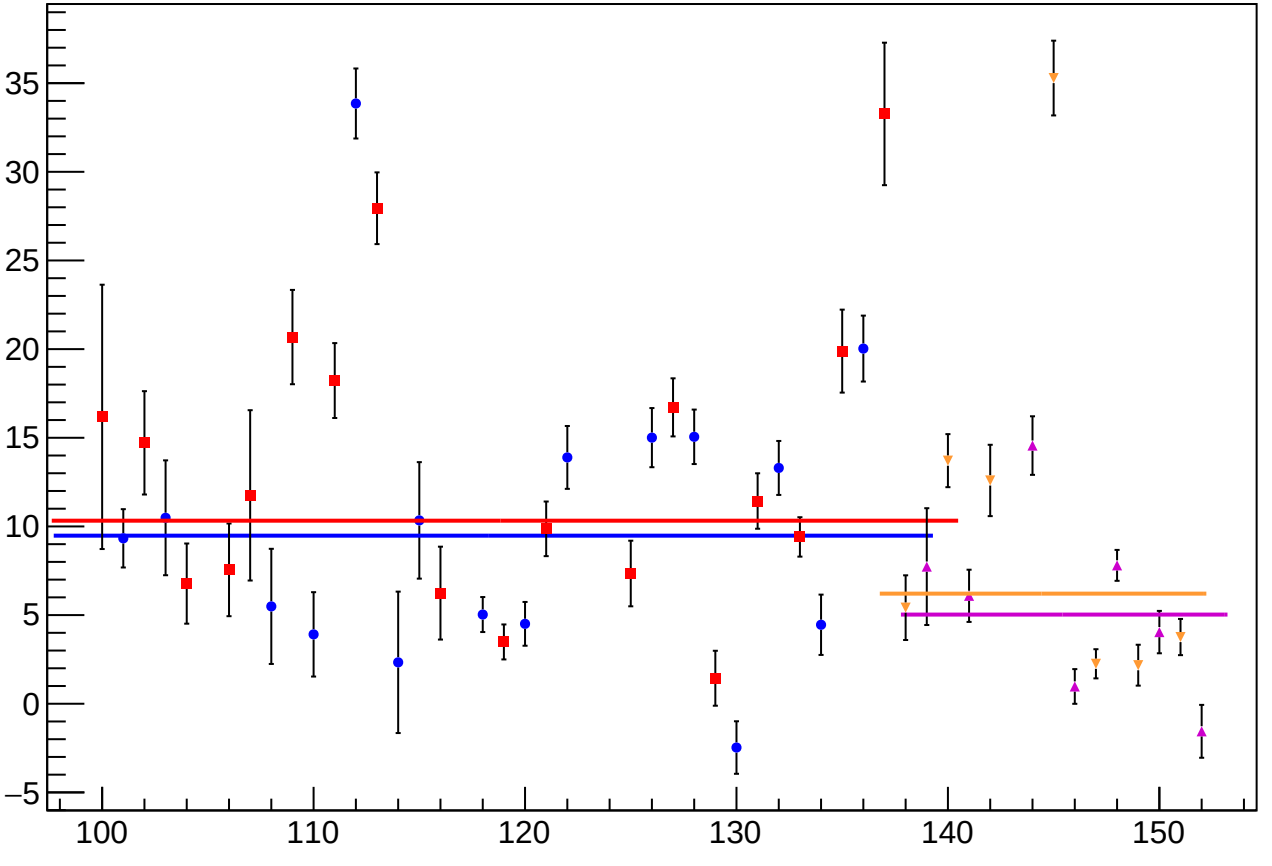
In: 0.171+/-0.003 χ^2/NDF:6797.0/22

Out: 0.178+/-0.003 χ^2/NDF:9387.5/26

All: 0.175+/-0.002 χ^2/NDF: 16187.1/49


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
Right In: -66.648+/-0.426 χ²/NDF: 1052.4/15
Left Out: -88.830+/-0.750 χ²/NDF:477.3/6
Right Out: -67.755+/-0.419 χ²/NDF: 1255.4/17
Left In: -88.312+/-0.729 χ²/NDF:197.8/6
Left: -88.564+/-0.523 χ²/NDF: 675.4/13
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -72.160+/-0.368 χ²/NDF:1907.9/22
Out: -72.773+/-0.366 χ²/NDF:2333.8/24
All: -72.468+/-0.260 χ²/NDF: 4243.1/47

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 5.029+/-0.475 χ^2/NDF:82.0/6

Left: 5.618+/-0.336 χ^2/NDF: 351.8/13

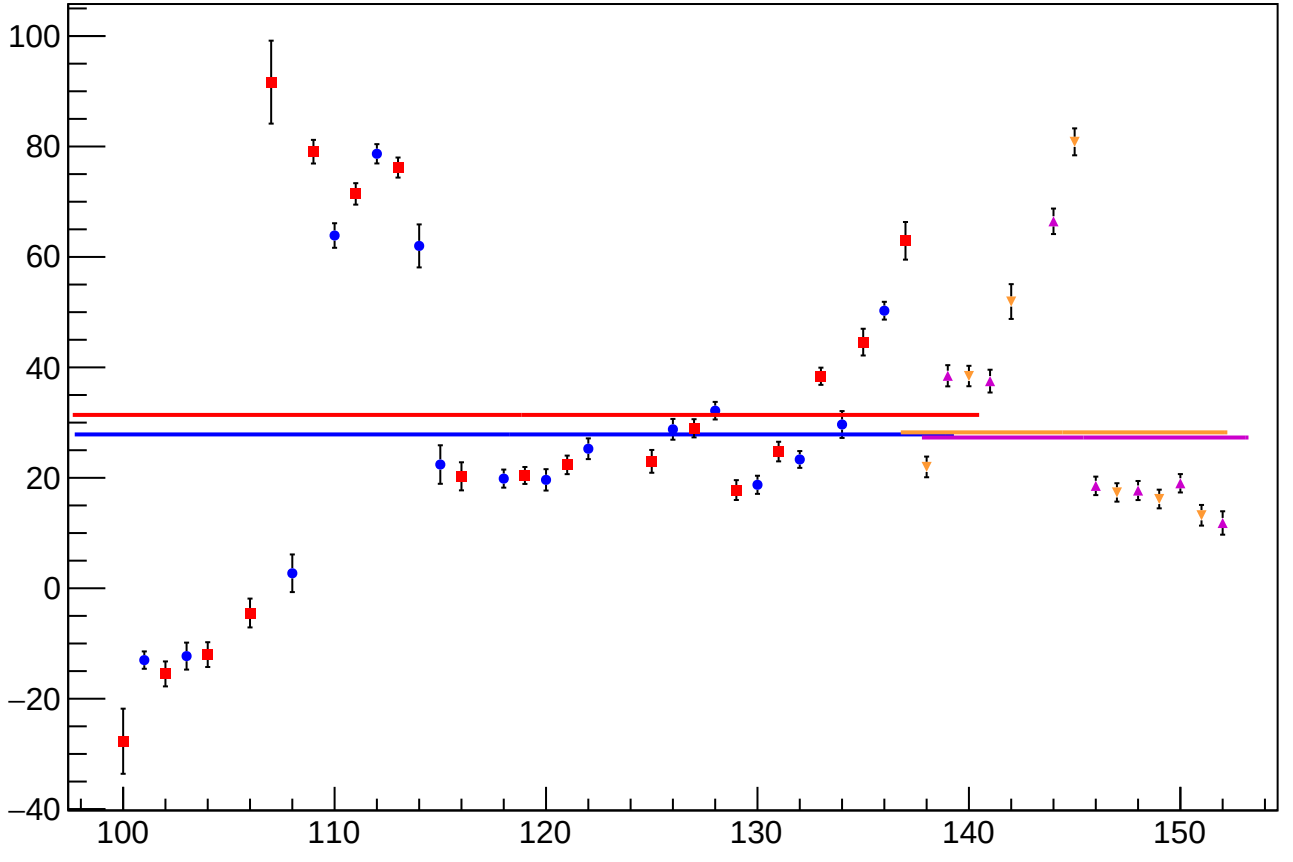
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 7.485+/-0.318 χ^2/NDF:472.4/22

Out: 8.450+/-0.321 χ^2/NDF:570.8/24

All: 7.962+/-0.226 χ^2/NDF: 1047.7/47

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 27.301+/-0.713 χ^2/NDF:482.3/6

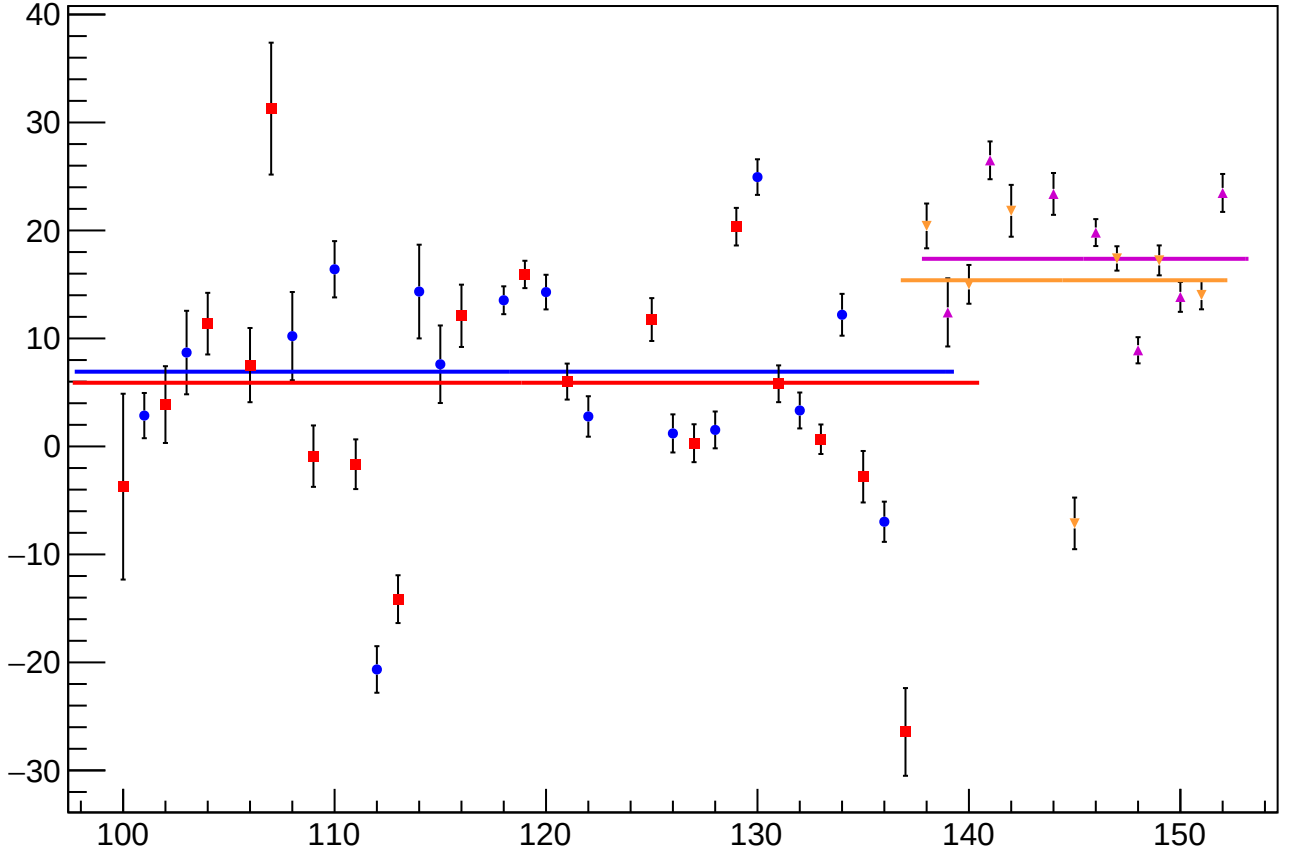
Left: 27.752+/-0.512 χ^2/NDF: 1204.0/13

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 27.684+/-0.399 χ^2/NDF:2956.7/22

Out: 30.432+/-0.407 χ^2/NDF:3745.1/24

All: 29.033+/-0.285 χ^2/NDF: 6725.0/47



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: 17.374+/-0.591 χ^2/NDF:110.4/6

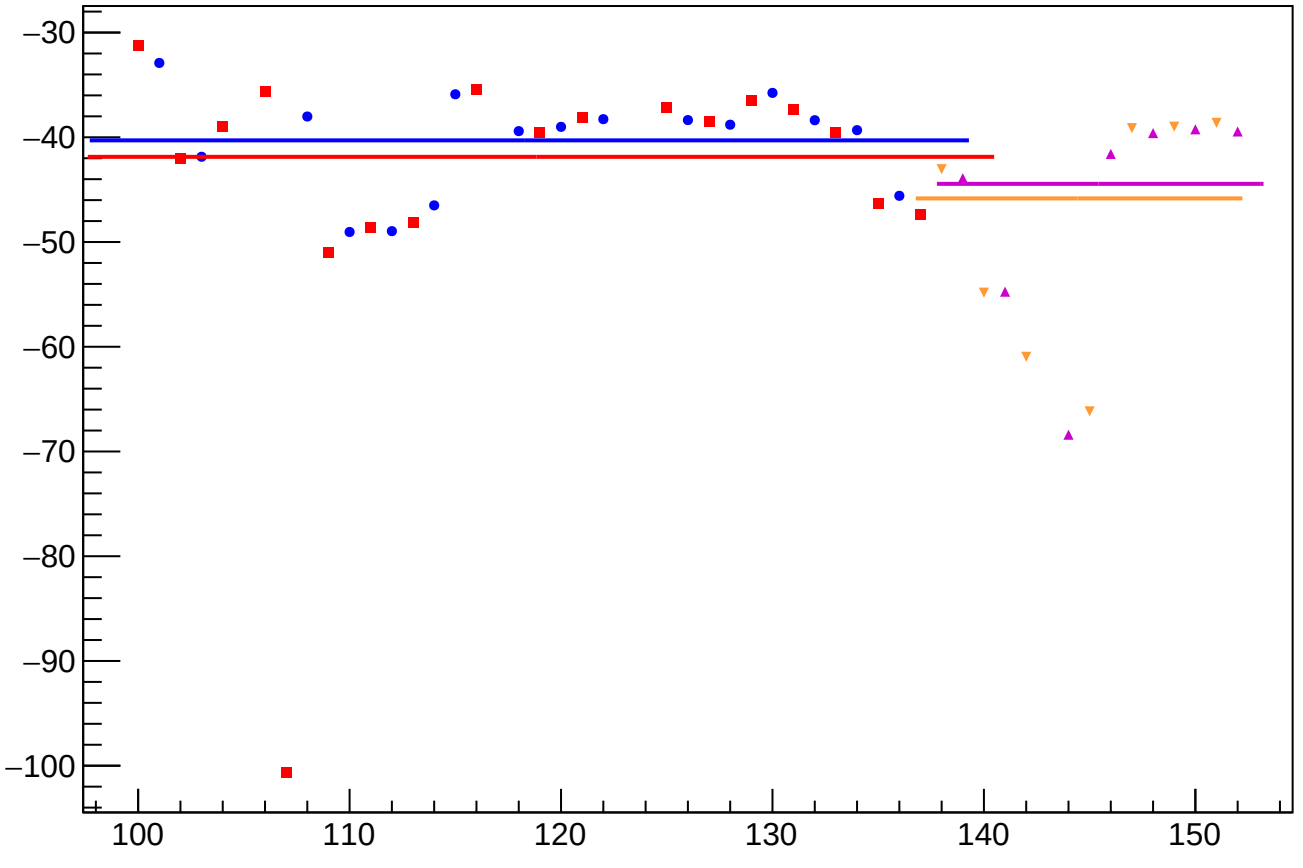
Left: 16.399+/-0.421 χ^2/NDF: 223.9/13

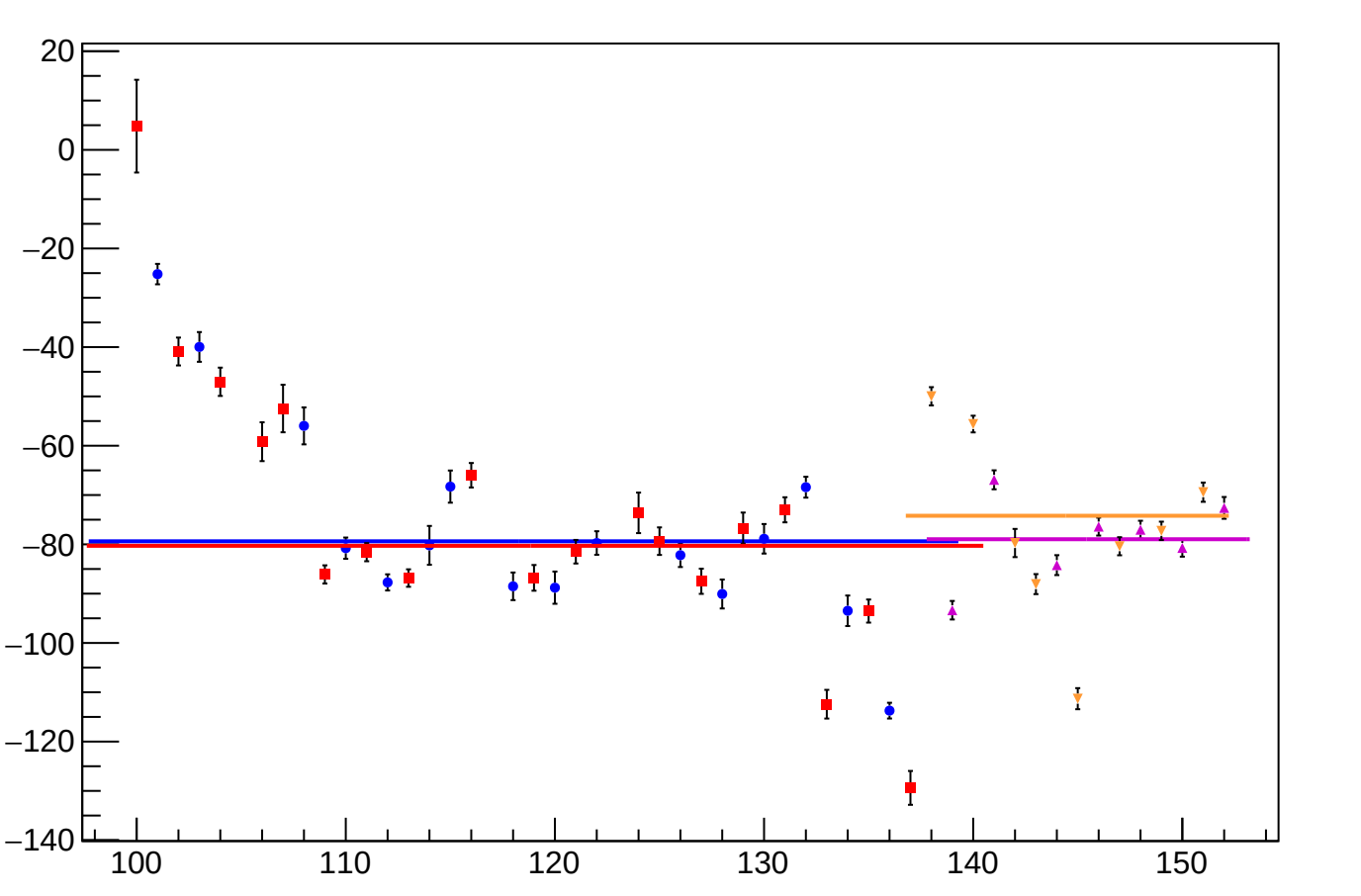
Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 11.238+/-0.380 χ^2/NDF:738.4/22

Out: 9.793+/-0.385 χ^2/NDF:622.5/24

All: 10.526+/-0.270 χ^2/NDF: 1368.0/47


reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
Right In: -40.293+/-0.031 χ²/NDF: 20663.5/15
Left Out: -45.835+/-0.031 χ²/NDF:98766.2/6
Right Out: -41.867+/-0.032 χ²/NDF: 58734.8/17
Left In: -44.445+/-0.028 χ²/NDF:84869.2/6
Left: -45.087+/-0.021 χ²/NDF: 184739.9/13
Right: -41.063+/-0.022 χ²/NDF: 80626.6/33
In: -42.576+/-0.021 χ²/NDF:115148.5/22
Out: -43.941+/-0.022 χ²/NDF:165484.3/24
All: -43.223+/-0.015 χ²/NDF: 282622.2/47



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: -78.963+/-0.720 χ^2/NDF:117.1/6

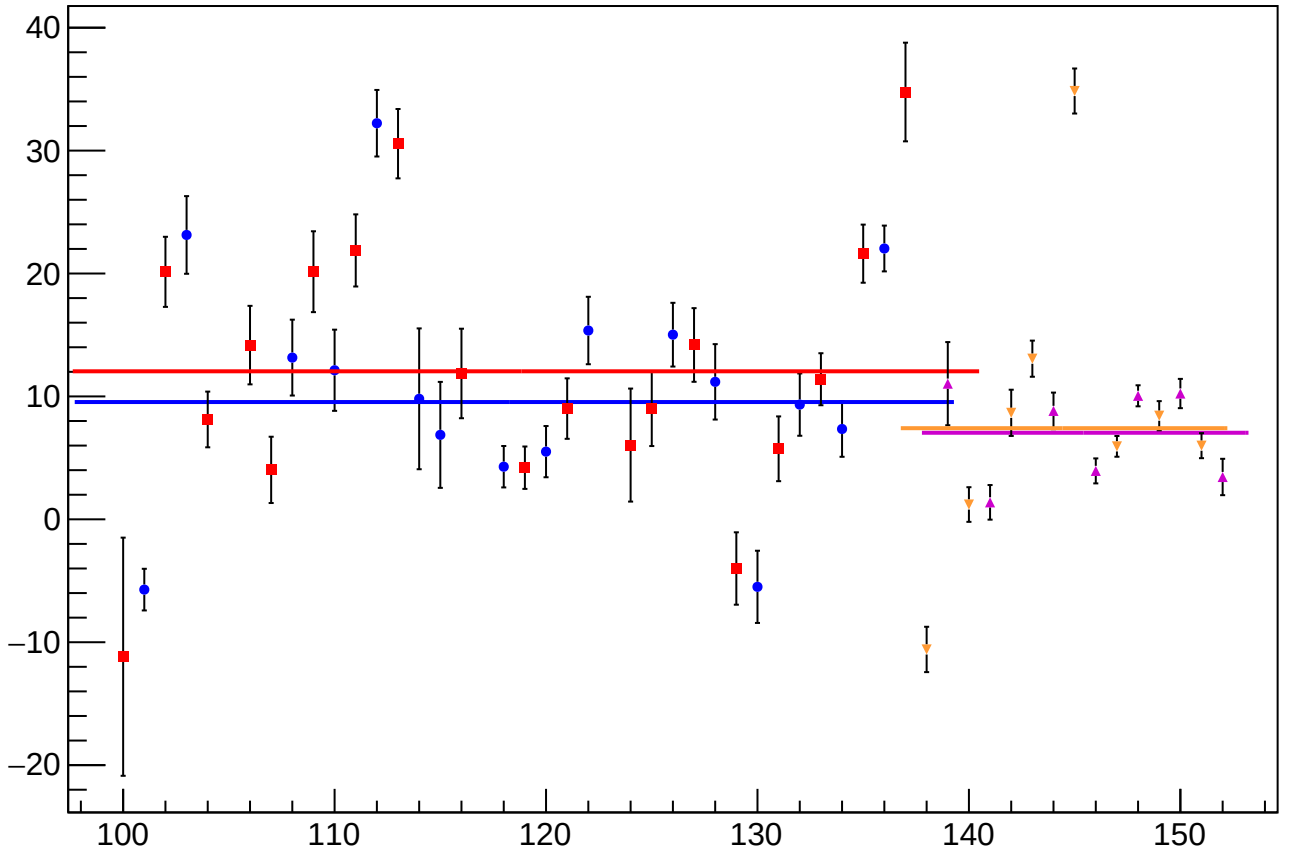
Left: -76.495+/-0.500 χ^2/NDF: 803.7/14

Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

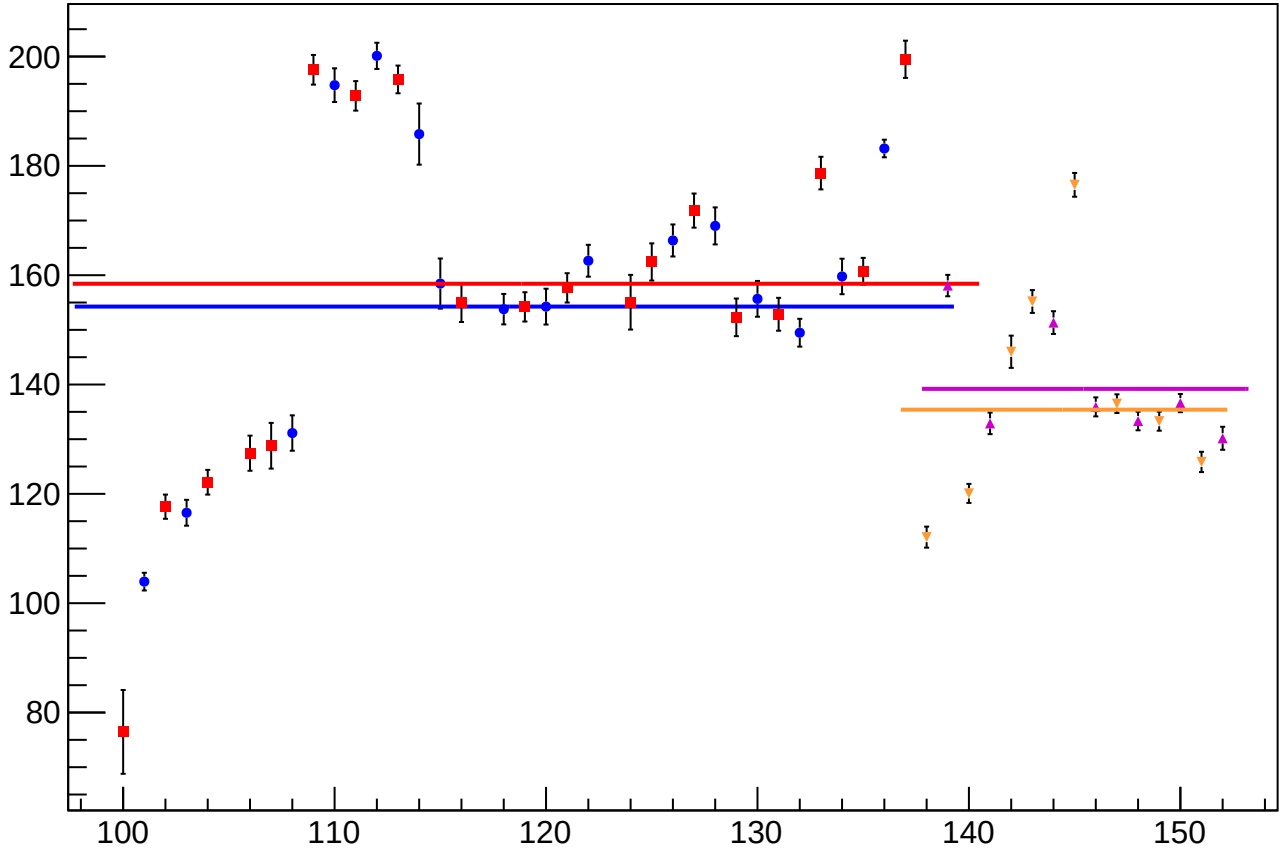
In: -79.207+/-0.466 χ^2/NDF:1593.2/22

Out: -77.670+/-0.456 χ^2/NDF:1622.5/26

All: -78.421+/-0.326 χ^2/NDF: 3221.2/49


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: 7.043+/-0.470 χ²/NDF:53.7/6
Left: 7.237+/-0.325 χ²/NDF: 414.0/14
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 7.952+/-0.375 χ²/NDF:331.1/22
Out: 8.960+/-0.368 χ²/NDF:590.9/26
All: 8.465+/-0.262 χ²/NDF: 925.7/49

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 139.205+/-0.705 χ^2/NDF:173.7/6

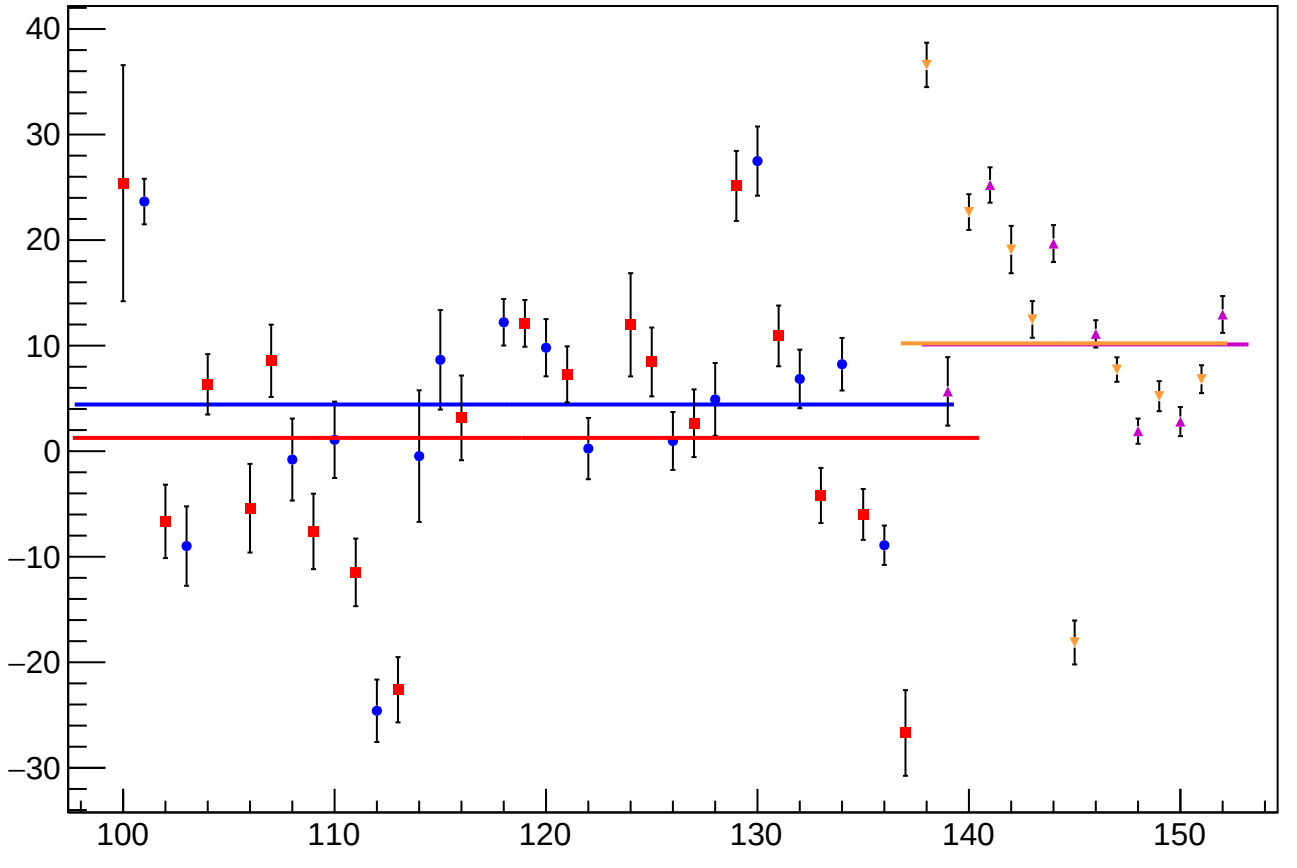
Left: 137.255+/-0.492 χ^2/NDF: 900.6/14

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 147.204+/-0.482 χ^2/NDF:2630.0/22

Out: 146.995+/-0.484 χ^2/NDF:2941.7/26

All: 147.100+/-0.342 χ^2/NDF: 5571.8/49



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: 10.112+/-0.584 χ^2/NDF:192.2/6

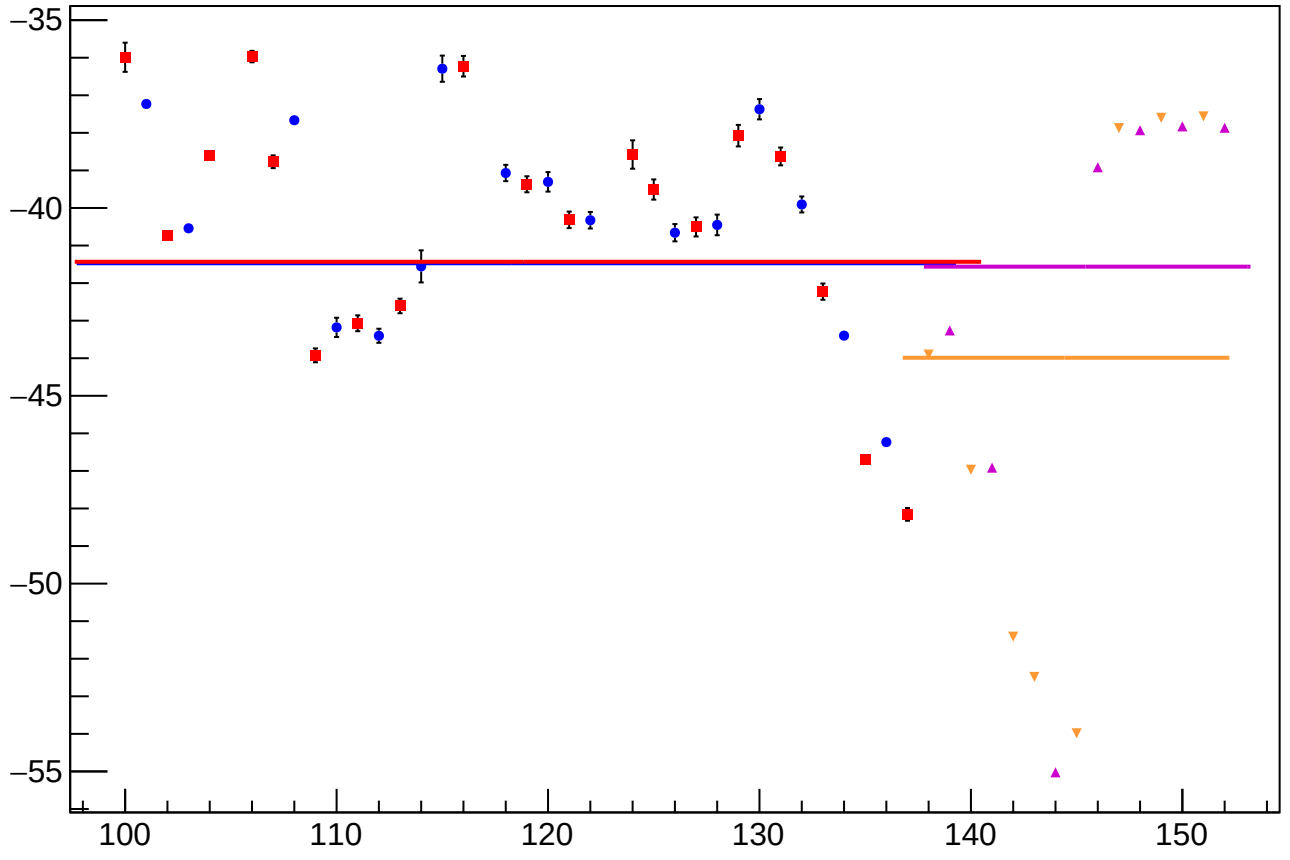
Left: 10.166+/-0.406 χ^2/NDF: 629.2/14

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 7.833+/-0.452 χ^2/NDF:546.3/22

Out: 6.880+/-0.447 χ^2/NDF:795.9/26

All: 7.351+/-0.318 χ^2/NDF: 1344.5/49



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: -41.562+/-0.028 χ^2/NDF:35390.6/6

Left: -42.754+/-0.020 χ^2/NDF: 89194.3/14

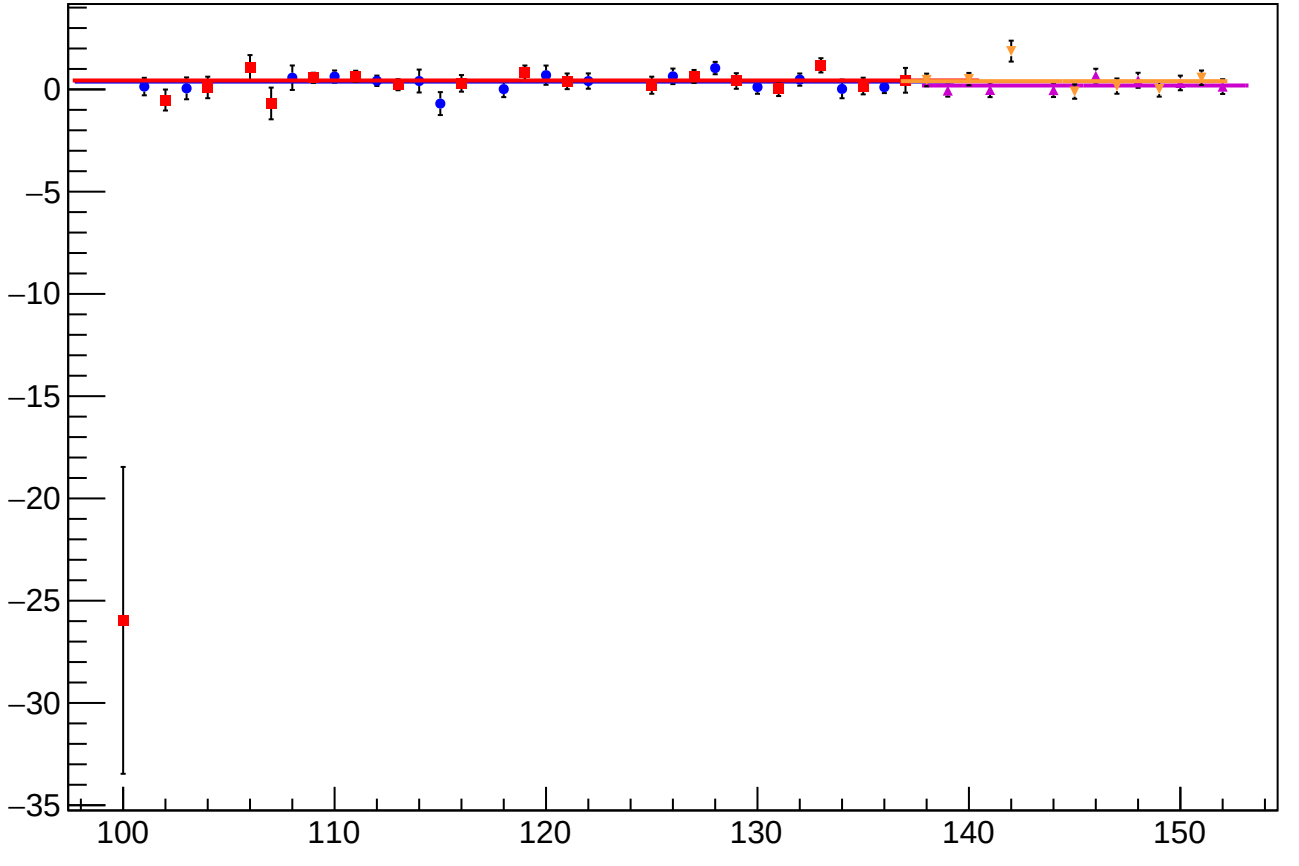
Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -41.530+/-0.023 χ^2/NDF:43306.2/22

Out: -43.108+/-0.023 χ^2/NDF:61123.4/26

All: -42.300+/-0.016 χ^2/NDF: 106797.6/49

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: 0.191+/-0.130 χ^2/NDF:4.1/6

Left: 0.293+/-0.093 χ^2/NDF: 17.6/13

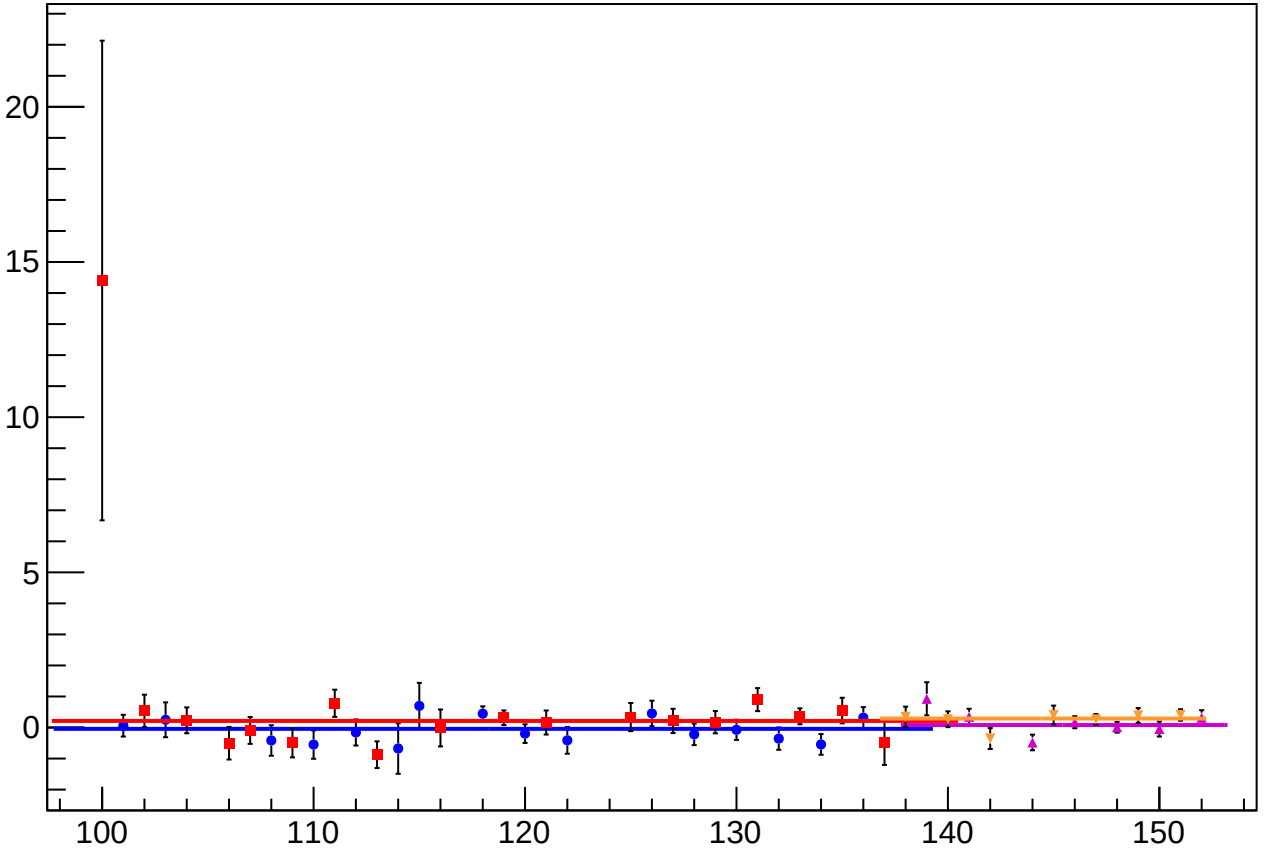
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.318+/-0.075 χ^2/NDF:19.5/22

Out: 0.426+/-0.075 χ^2/NDF:41.2/24

All: 0.372+/-0.053 χ^2/NDF: 61.8/47

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: 0.080+/-0.088 χ^2/NDF:10.1/6

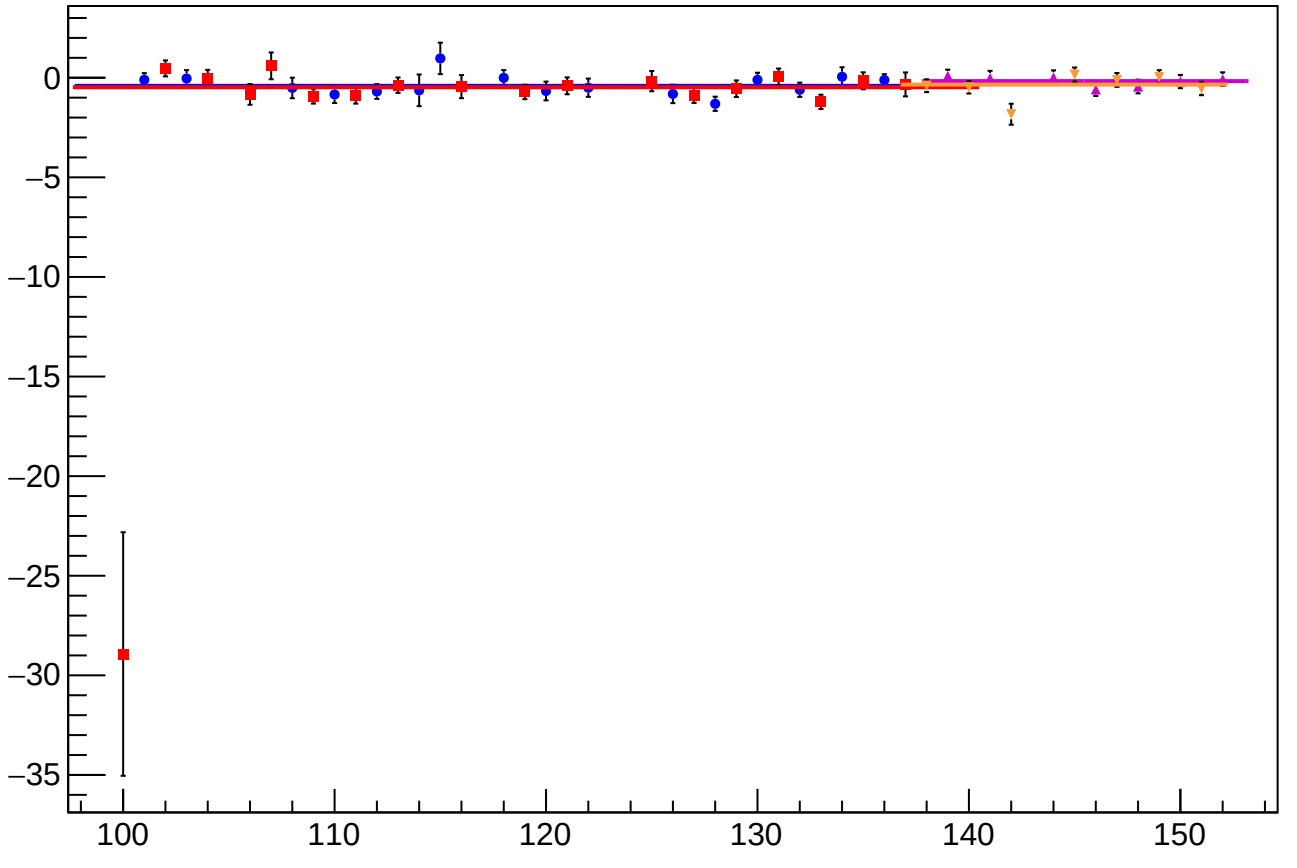
Left: 0.183+/-0.063 χ^2/NDF: 17.3/13

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.022+/-0.064 χ^2/NDF:26.1/22

Out: 0.254+/-0.065 χ^2/NDF:27.2/24

All: 0.137+/-0.046 χ^2/NDF: 59.6/47



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.344+/-0.133 χ^2/NDF:12.1/6

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.169+/-0.127 χ^2/NDF:3.6/6

Left: -0.253+/-0.092 χ^2/NDF: 16.6/13

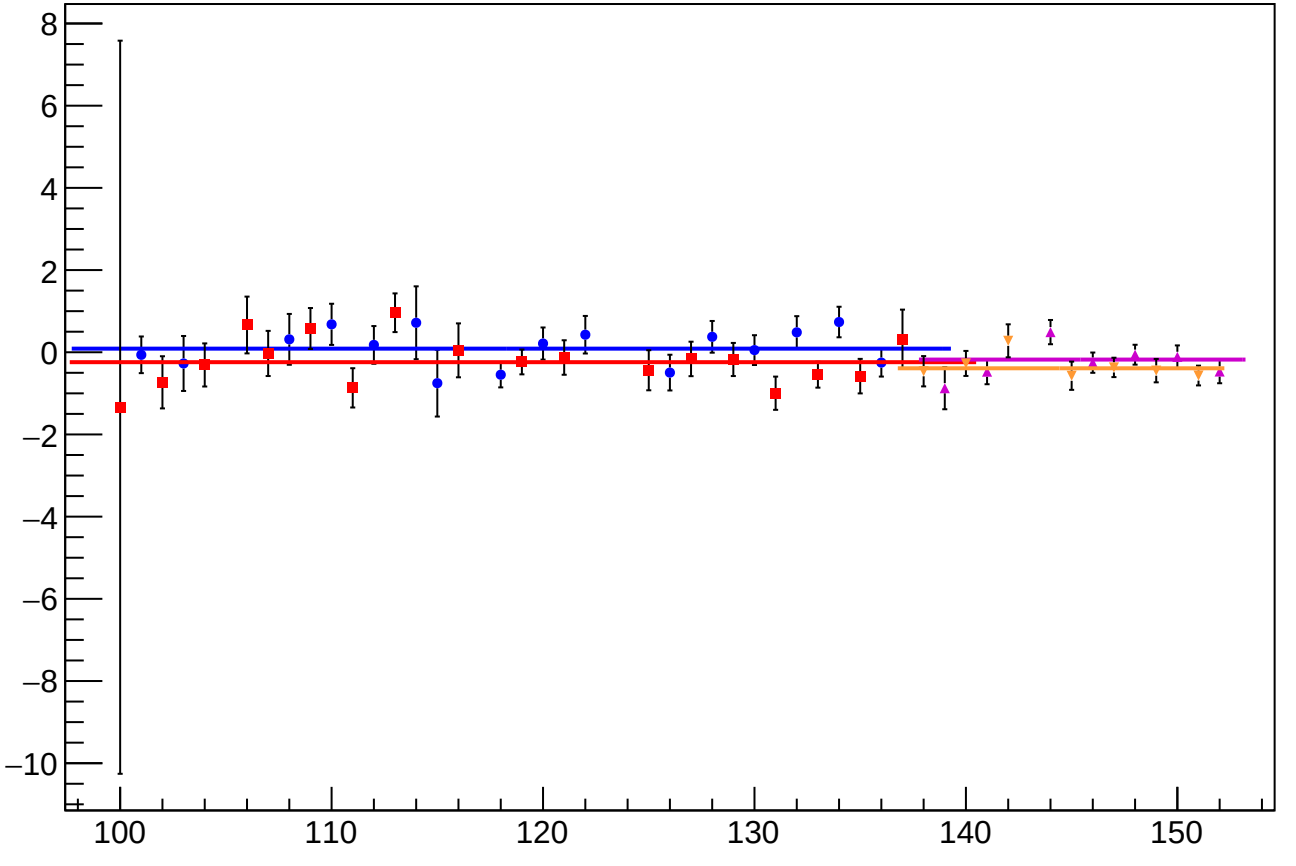
Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.312+/-0.080 χ^2/NDF:23.4/22

Out: -0.427+/-0.082 χ^2/NDF:55.0/24

All: -0.368+/-0.057 χ^2/NDF: 79.4/47

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.390+/-0.112 χ^2/NDF:3.8/6

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.178+/-0.109 χ^2/NDF:9.3/6

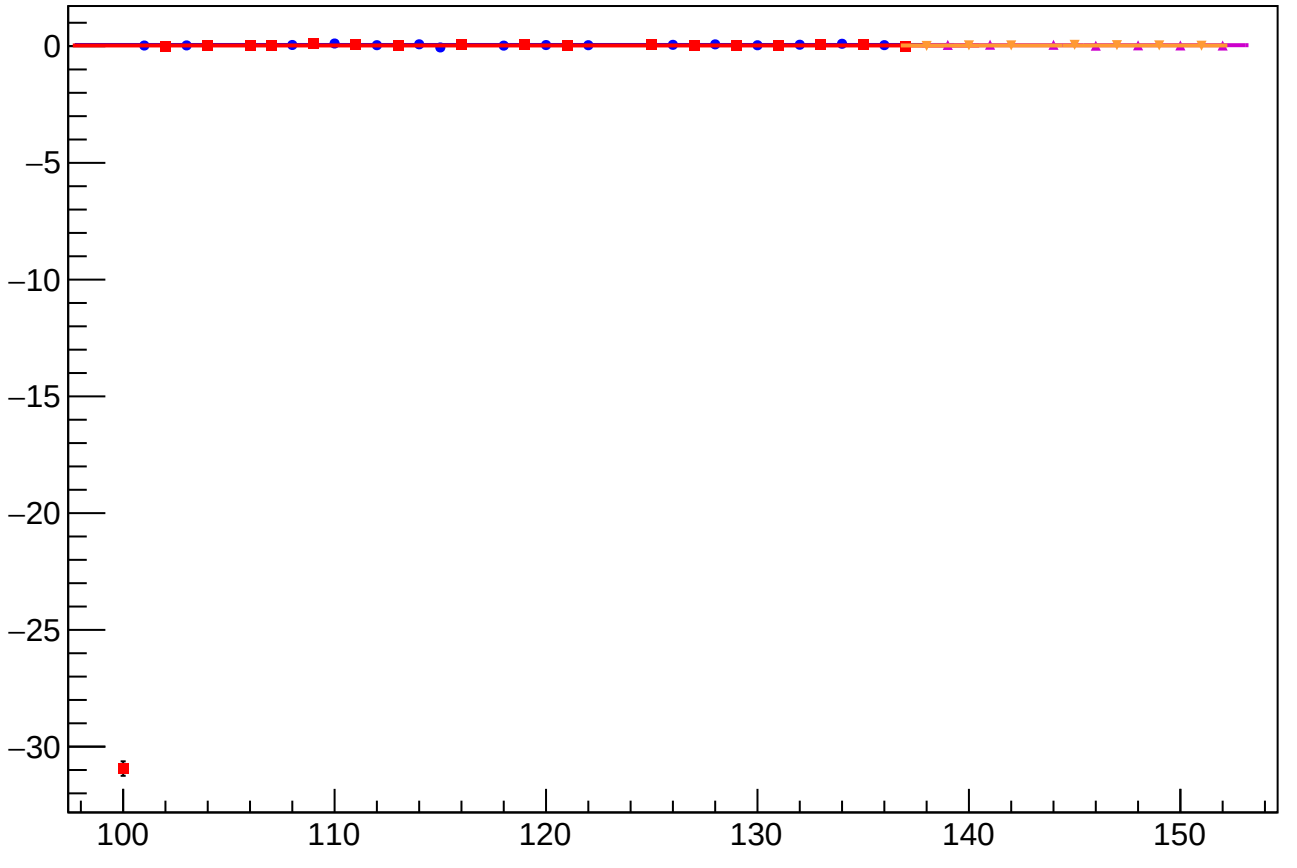
Left: -0.281+/-0.078 χ^2/NDF: 15.0/13

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.045+/-0.077 χ^2/NDF:28.2/22

Out: -0.314+/-0.078 χ^2/NDF:24.3/24

All: -0.177+/-0.055 χ^2/NDF: 58.6/47



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: 0.039+/-0.005 χ^2/NDF:8.8/6

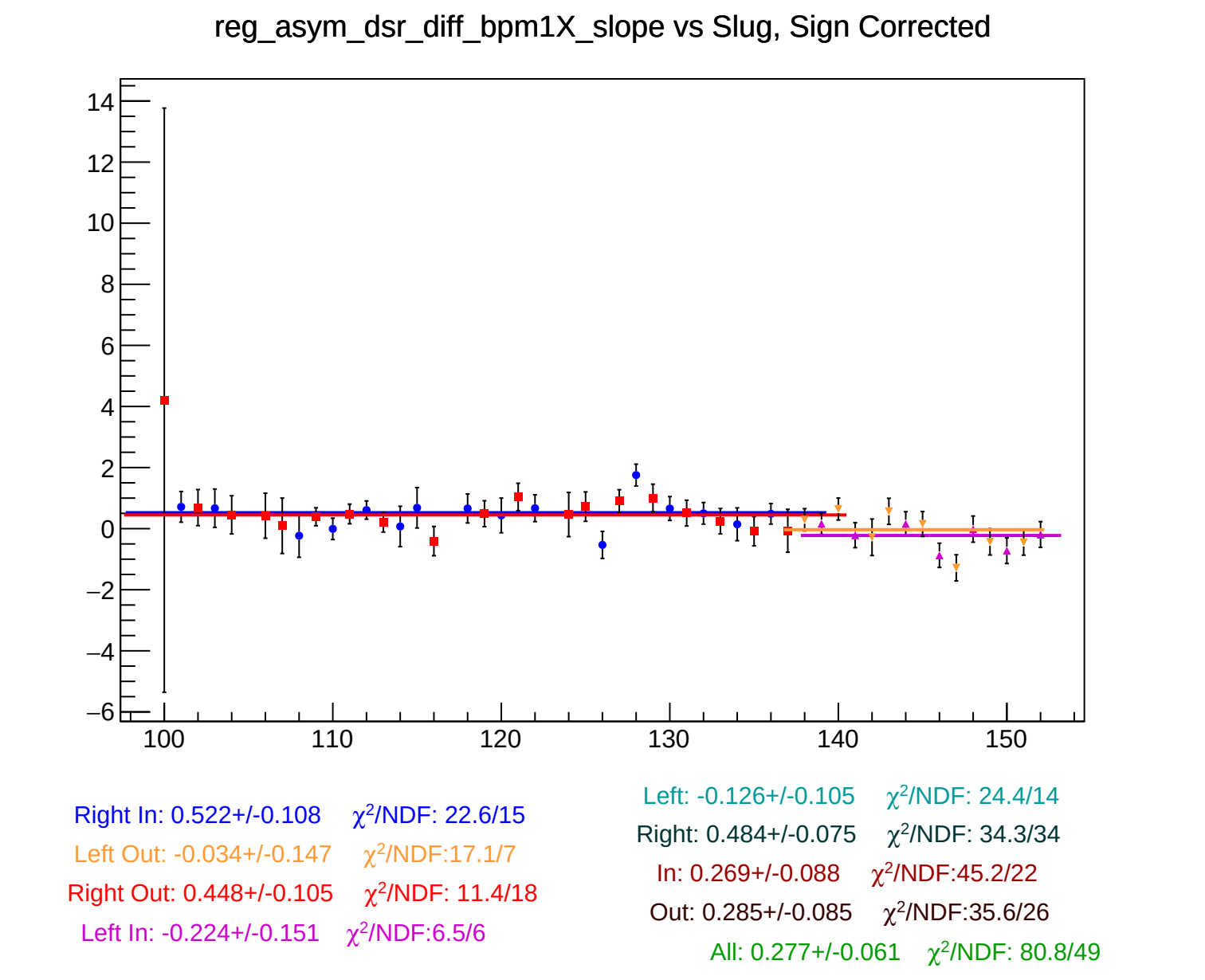
Left: 0.034+/-0.004 χ^2/NDF: 18.9/13

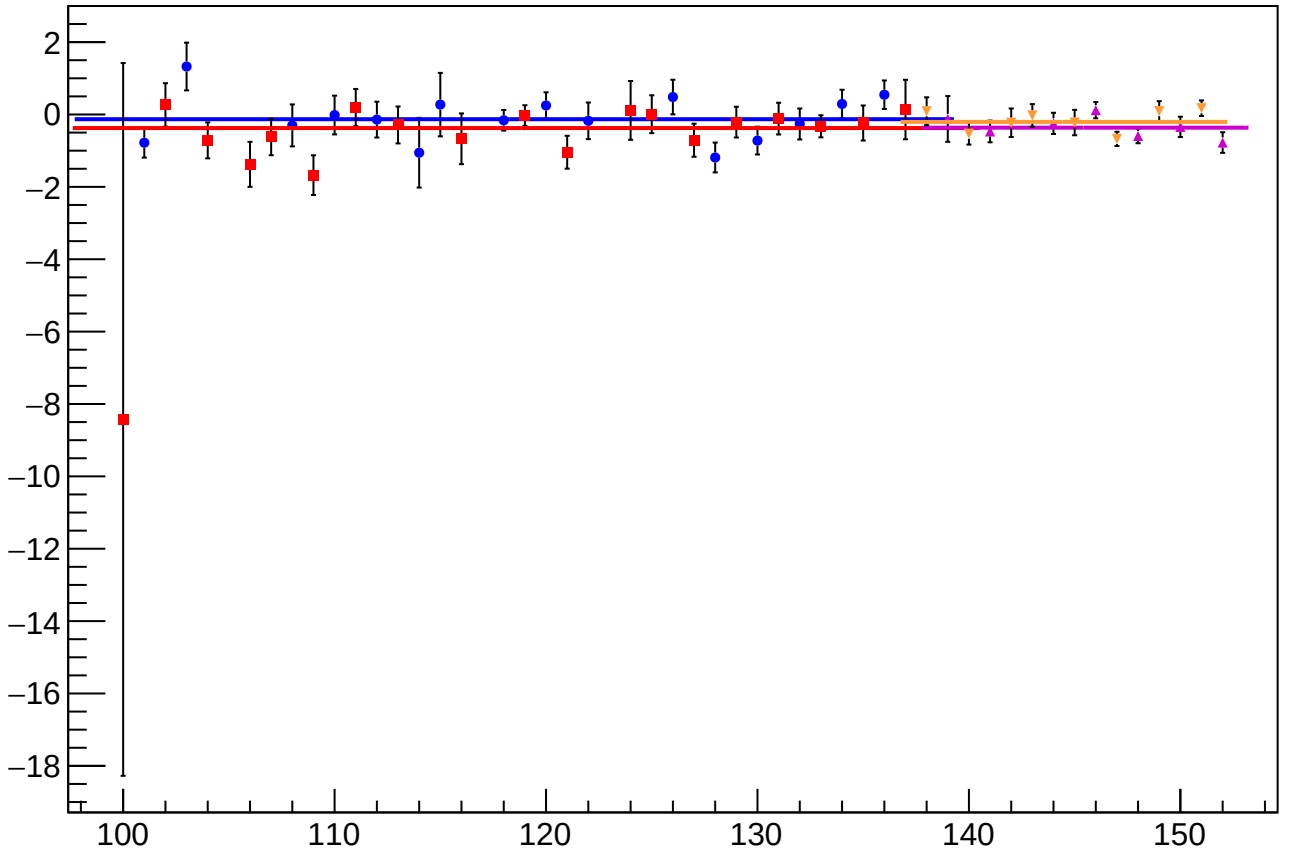
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.043+/-0.004 χ^2/NDF:29.3/22

Out: 0.028+/-0.004 χ^2/NDF:10028.6/24

All: 0.036+/-0.003 χ^2/NDF: 10065.0/47


reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected
14
12
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.522+/-0.108 χ²/NDF: 22.6/15
Left Out: -0.034+/-0.147 χ²/NDF:17.1/7
Right Out: 0.448+/-0.105 χ²/NDF: 11.4/18
Left In: -0.224+/-0.151 χ²/NDF:6.5/6
Left: -0.126+/-0.105 χ²/NDF: 24.4/14
Right: 0.484+/-0.075 χ²/NDF: 34.3/34
In: 0.269+/-0.088 χ²/NDF:45.2/22
Out: 0.285+/-0.085 χ²/NDF:35.6/26
All: 0.277+/-0.061 χ²/NDF: 80.8/49



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: -0.364+/-0.103 χ^2/NDF:8.4/6

Left: -0.281+/-0.071 χ^2/NDF: 21.7/14

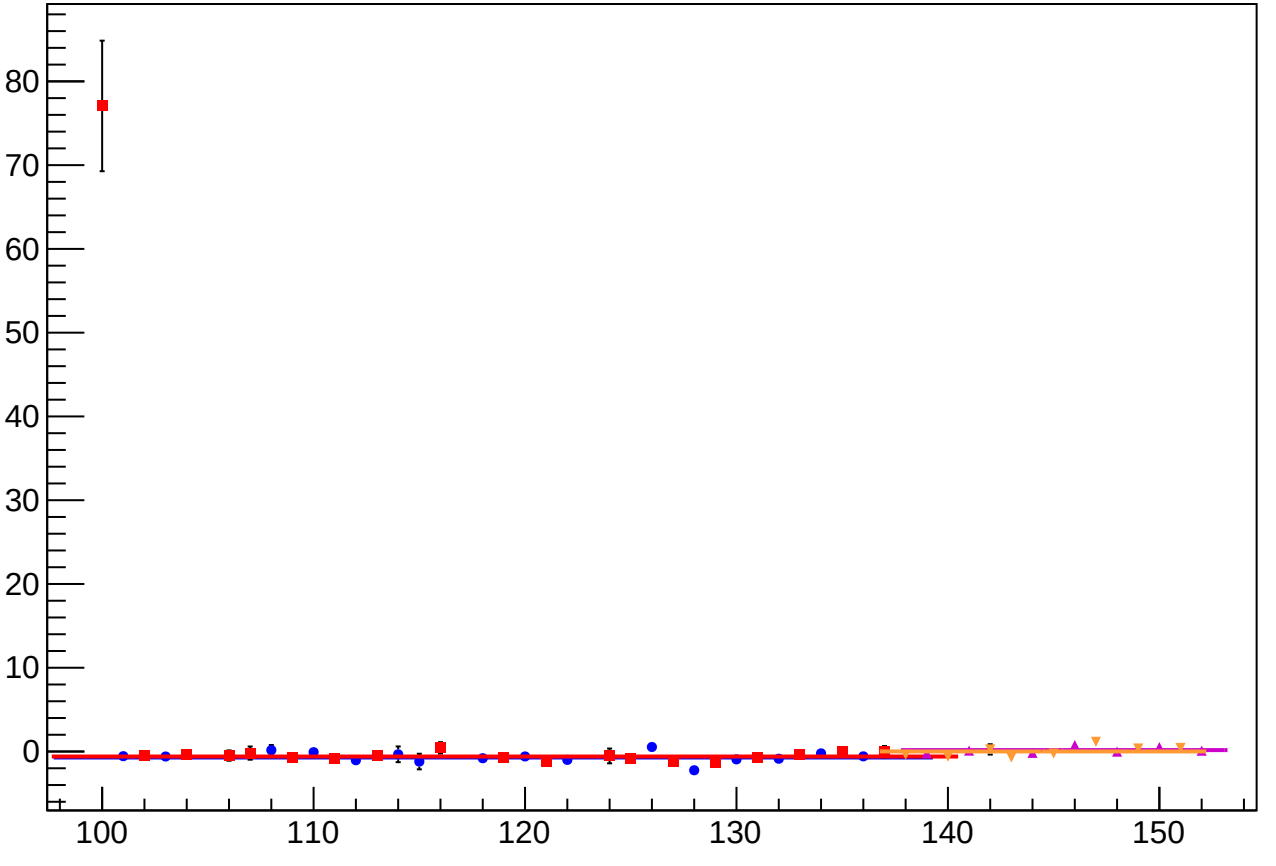
Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.257+/-0.076 χ^2/NDF:35.4/22

Out: -0.279+/-0.074 χ^2/NDF:31.5/26

All: -0.268+/-0.053 χ^2/NDF: 66.9/49

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.011+/-0.146 χ^2/NDF:17.4/7

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.168+/-0.149 χ^2/NDF:5.3/6

Left: 0.088+/-0.104 χ^2/NDF: 23.3/14

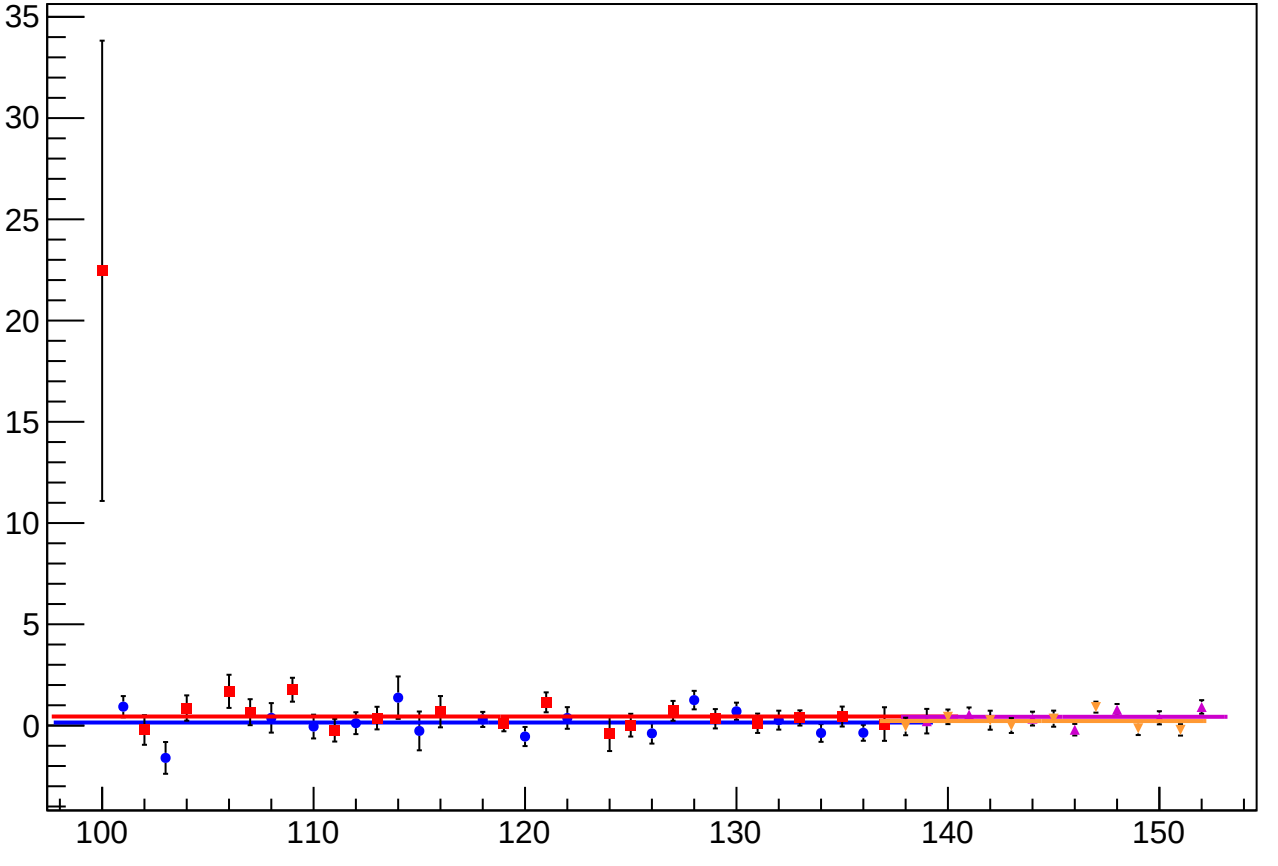
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.360+/-0.094 χ^2/NDF:51.2/22

Out: -0.349+/-0.094 χ^2/NDF:138.6/26

All: -0.355+/-0.066 χ^2/NDF: 189.8/49

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: 0.430+/-0.127 χ^2/NDF:9.0/6

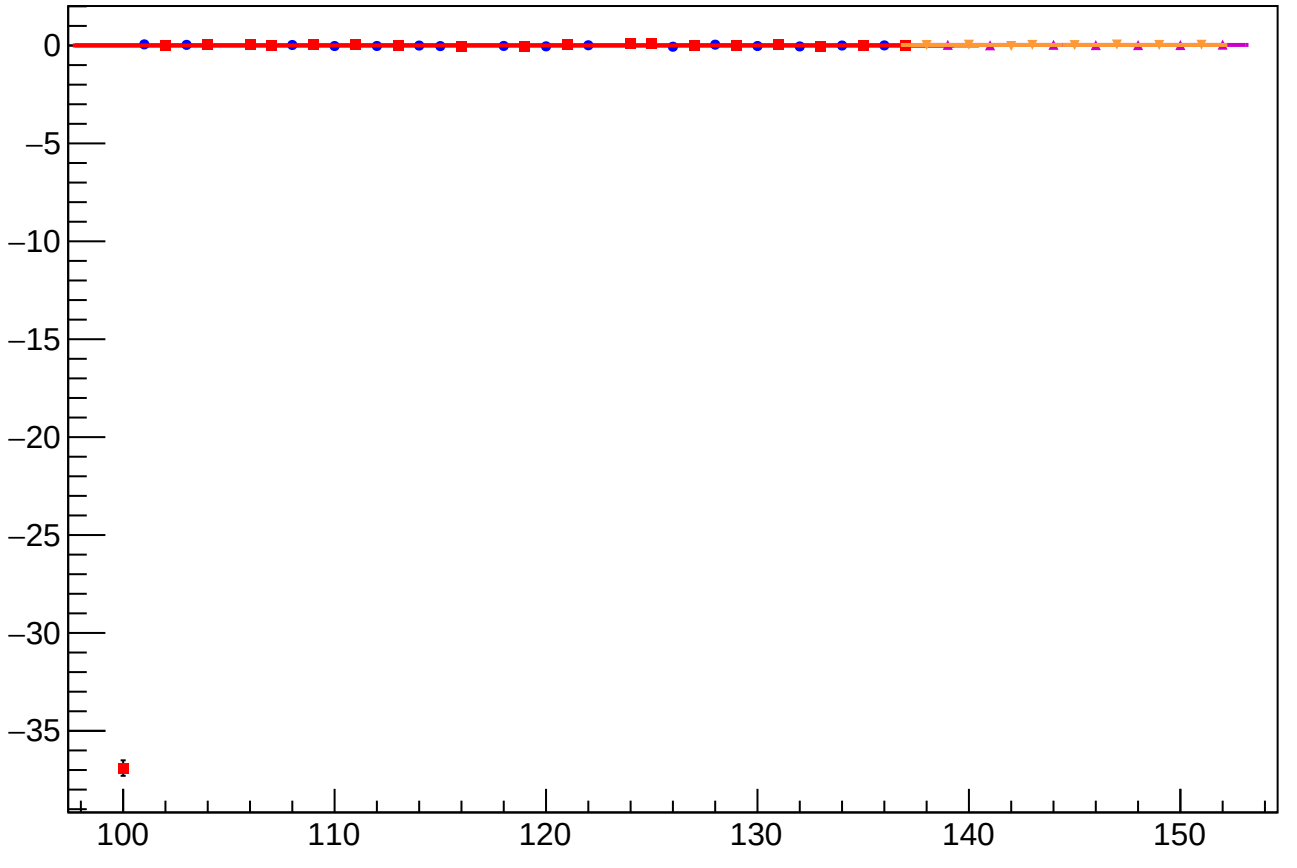
Left: 0.322+/-0.088 χ^2/NDF: 21.6/14

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.291+/-0.090 χ^2/NDF:34.7/22

Out: 0.327+/-0.088 χ^2/NDF:32.6/26

All: 0.309+/-0.063 χ^2/NDF: 67.3/49



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: 0.029+/-0.006 χ^2/NDF:2.9/6

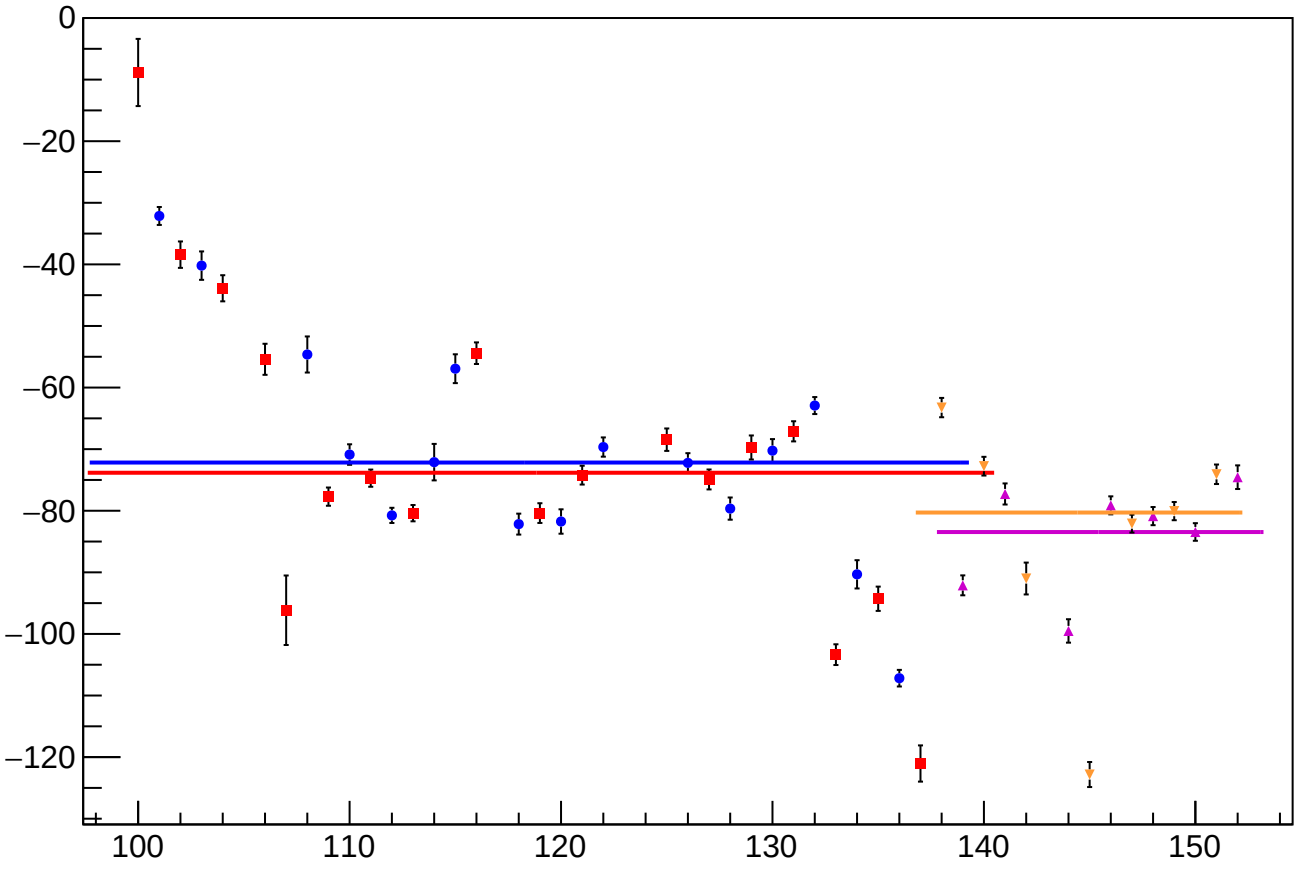
Left: 0.028+/-0.004 χ^2/NDF: 10.2/14

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.020+/-0.005 χ^2/NDF:26.3/22

Out: 0.018+/-0.005 χ^2/NDF:8767.7/26

All: 0.019+/-0.003 χ^2/NDF: 8794.2/49



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: -83.457+/-0.610 χ^2/NDF:146.3/6

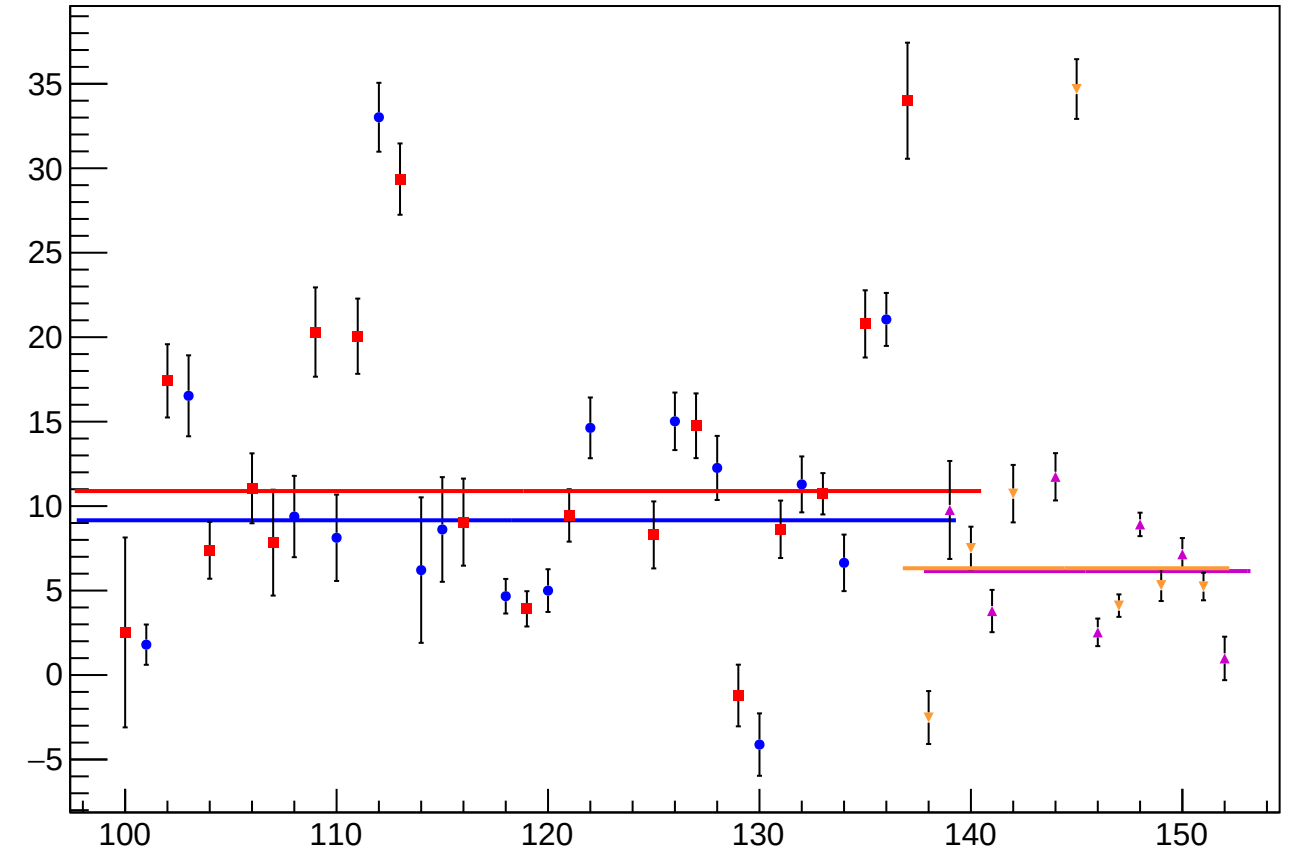
Left: -81.911+/-0.436 χ^2/NDF: 774.1/13

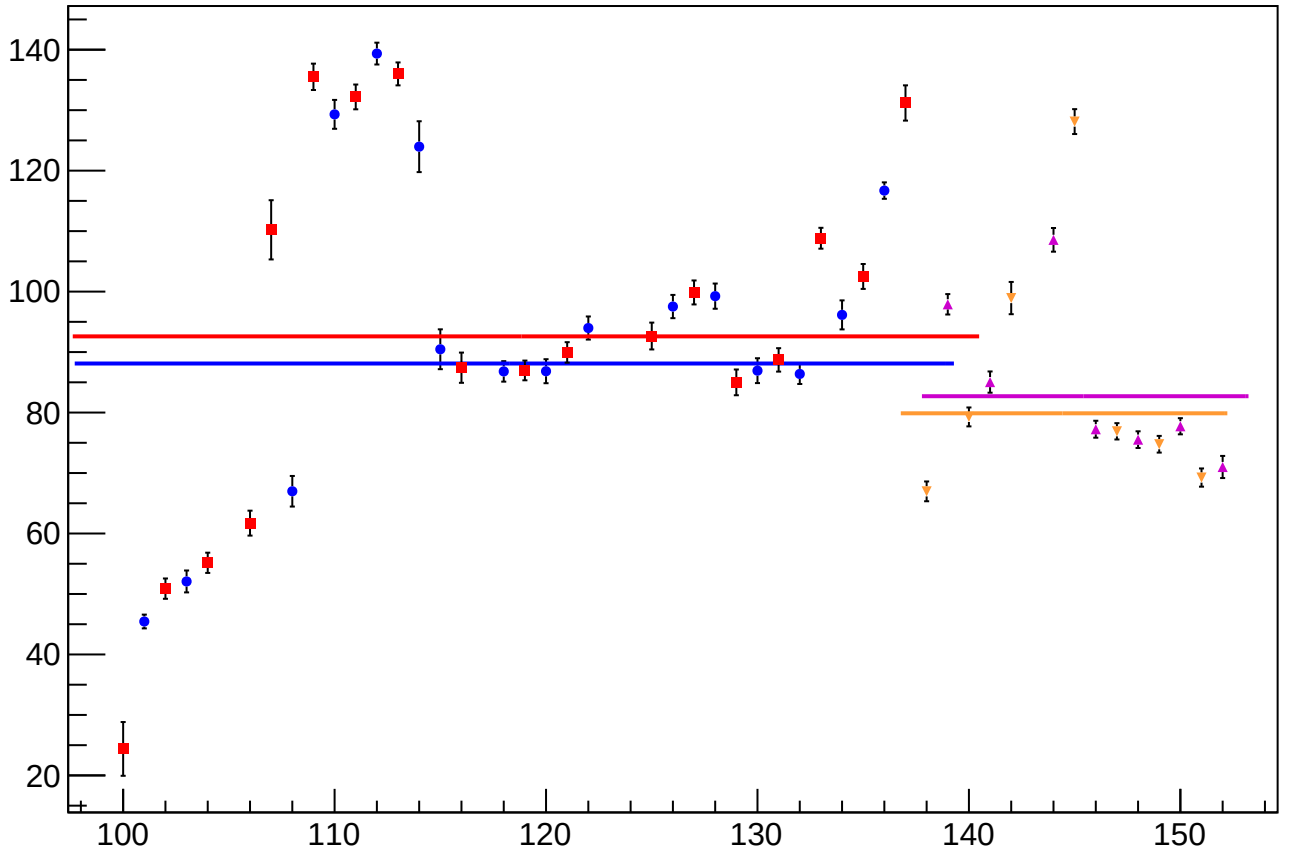
Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -75.941+/-0.353 χ^2/NDF:2310.1/22

Out: -75.912+/-0.354 χ^2/NDF:2244.8/24

All: -75.927+/-0.250 χ^2/NDF: 4555.0/47


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: 6.154+/-0.391 χ²/NDF:73.8/6
Left: 6.238+/-0.276 χ²/NDF: 384.9/13
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 7.533+/-0.288 χ²/NDF:453.0/22
Out: 8.329+/-0.292 χ²/NDF:661.6/24
All: 7.926+/-0.205 χ²/NDF: 1118.4/47



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: 82.702+/-0.594 χ^2/NDF:354.2/6

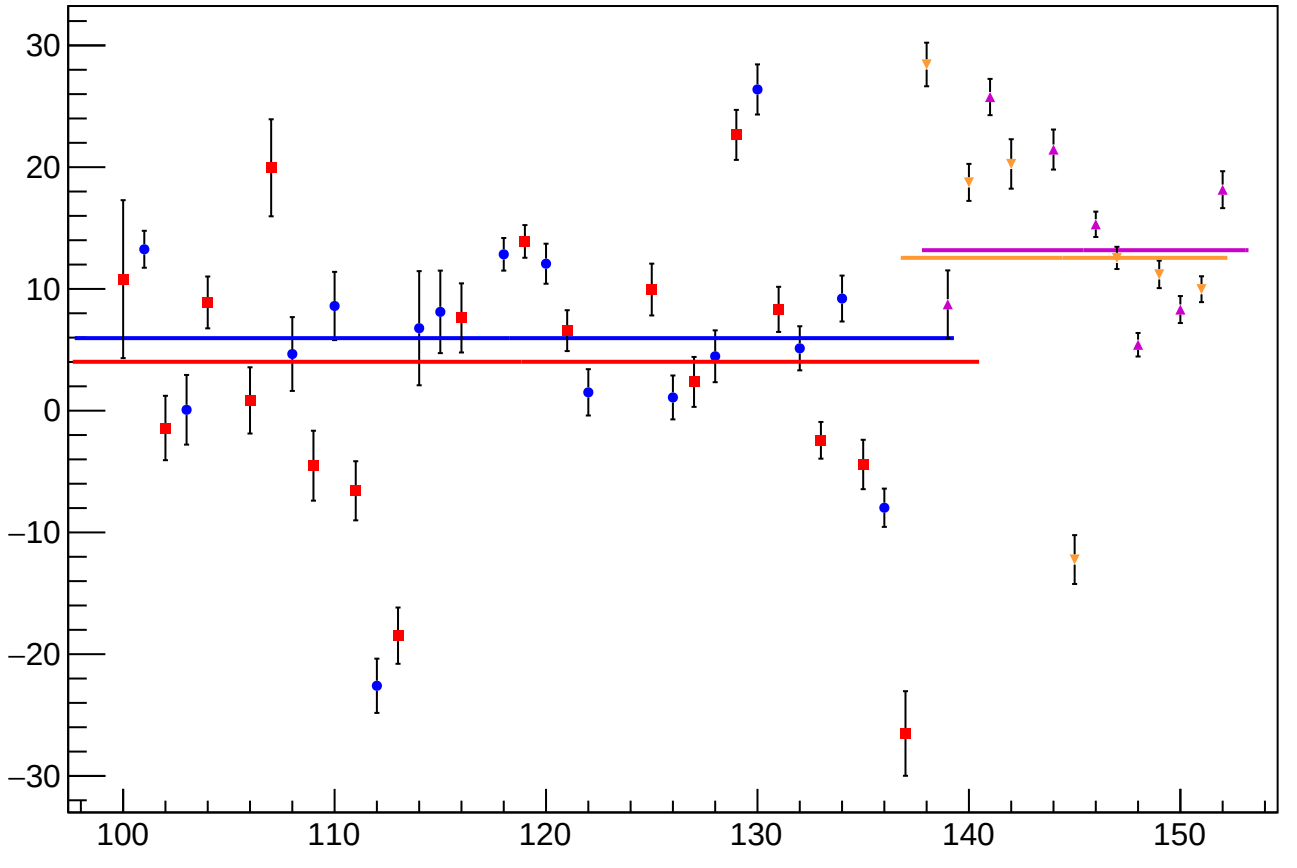
Left: 81.329+/-0.426 χ^2/NDF: 1096.0/13

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 86.036+/-0.368 χ^2/NDF:3966.9/22

Out: 87.708+/-0.379 χ^2/NDF:4208.2/24

All: 86.847+/-0.264 χ^2/NDF: 8185.1/47



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 12.553+/-0.493 χ^2/NDF:269.6/6

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 13.181+/-0.488 χ^2/NDF:198.0/6

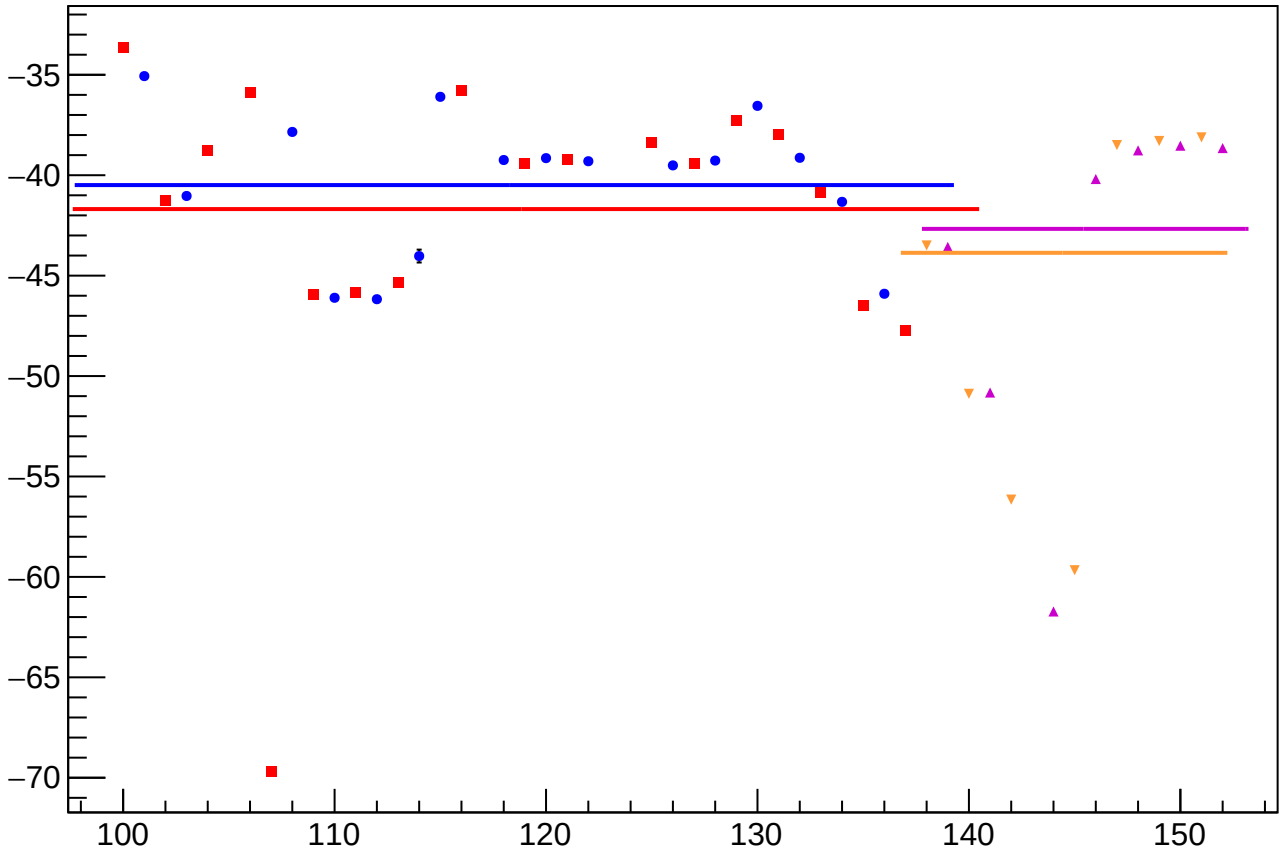
Left: 12.870+/-0.347 χ^2/NDF: 468.5/13

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 9.617+/-0.348 χ^2/NDF:732.8/22

Out: 8.422+/-0.355 χ^2/NDF:832.1/24

All: 9.031+/-0.248 χ^2/NDF: 1570.7/47



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: -42.671+/-0.024 χ^2/NDF:76171.8/6

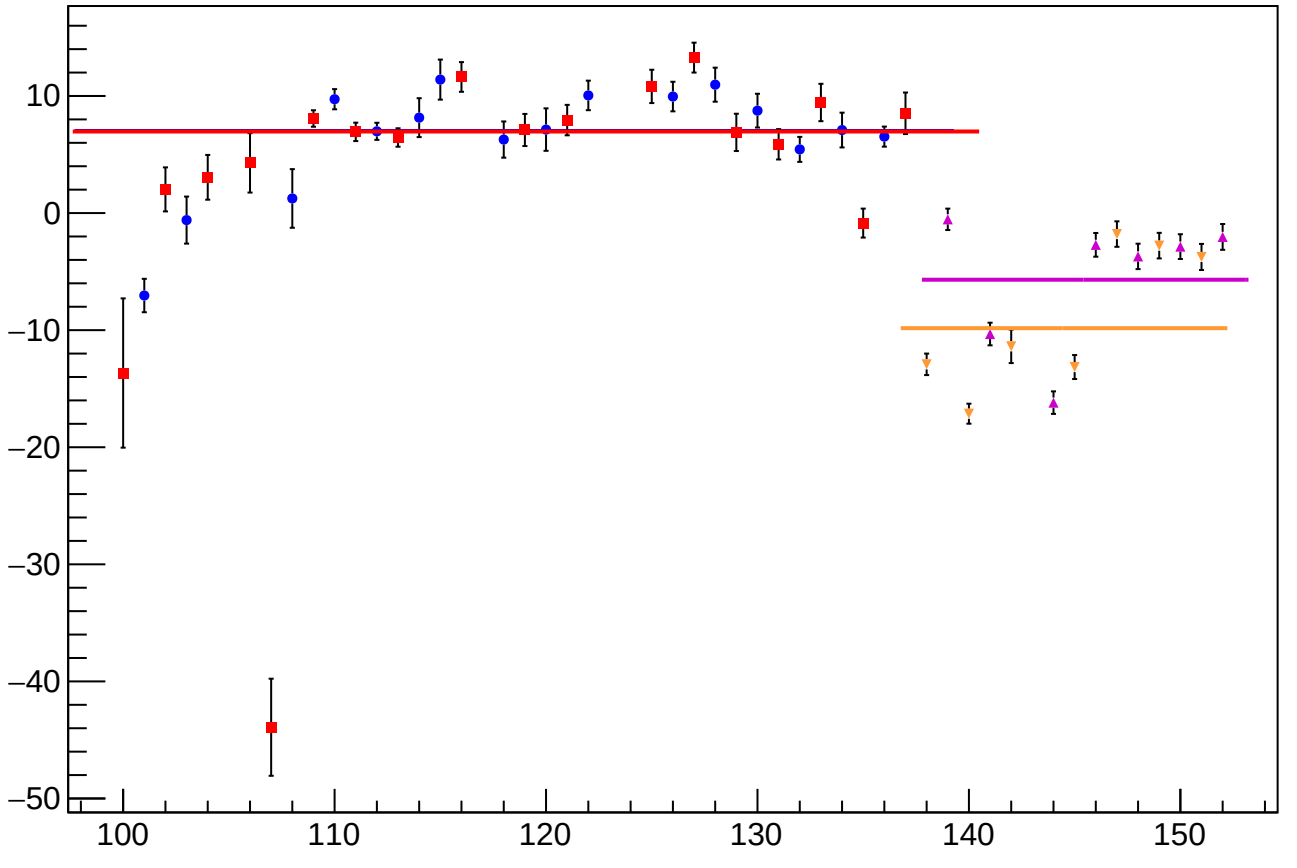
Left: -43.224+/-0.017 χ^2/NDF: 164447.3/13

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -41.770+/-0.018 χ^2/NDF:97777.0/22

Out: -42.921+/-0.019 χ^2/NDF:127090.7/24

All: -42.314+/-0.013 χ^2/NDF: 226754.9/47



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: -5.693+/-0.381 χ^2/NDF:204.2/6

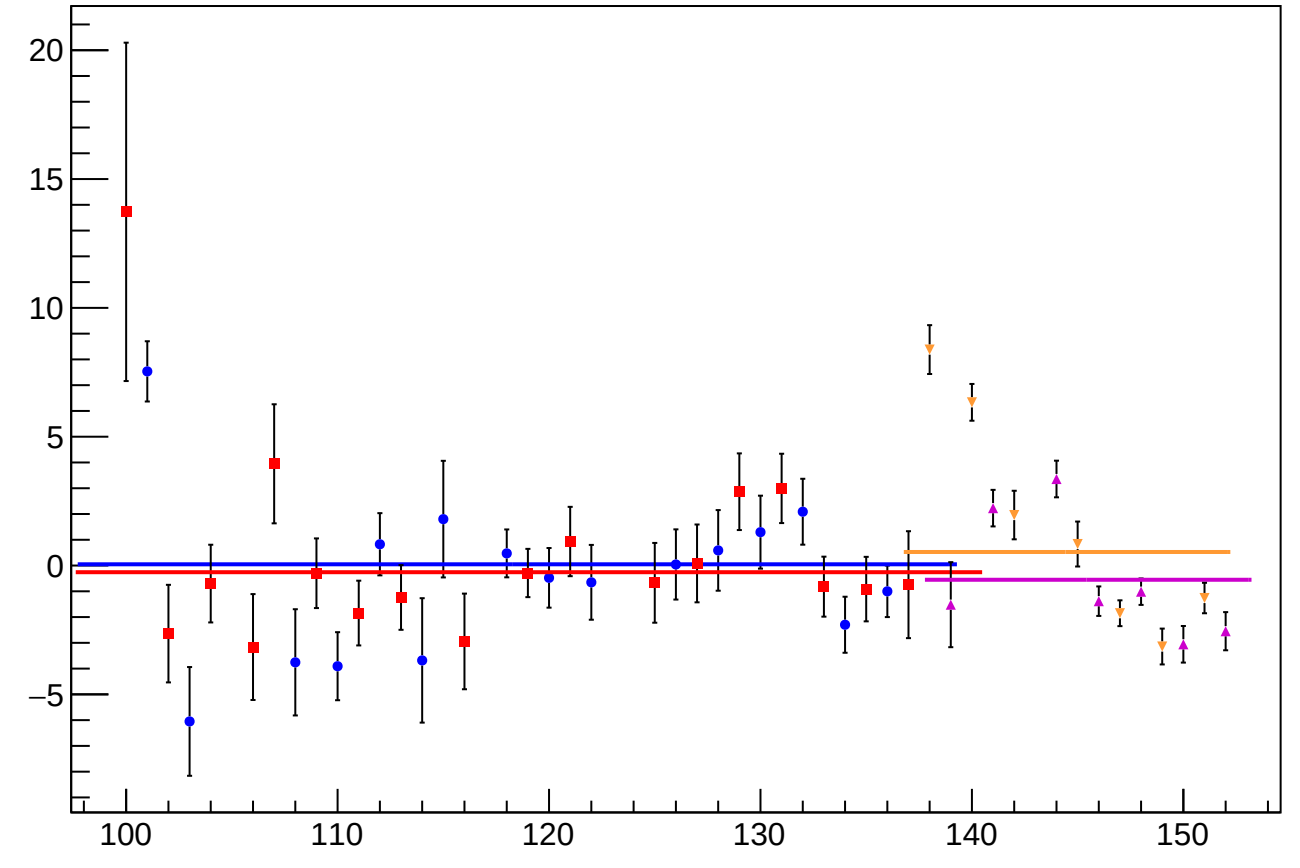
Left: -7.699+/-0.273 χ^2/NDF: 483.4/13

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 1.965+/-0.240 χ^2/NDF:1030.7/22

Out: 0.825+/-0.237 χ^2/NDF:1648.4/24

All: 1.389+/-0.169 χ^2/NDF: 2690.5/47



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: -0.552+/-0.258 χ^2/NDF:68.6/6

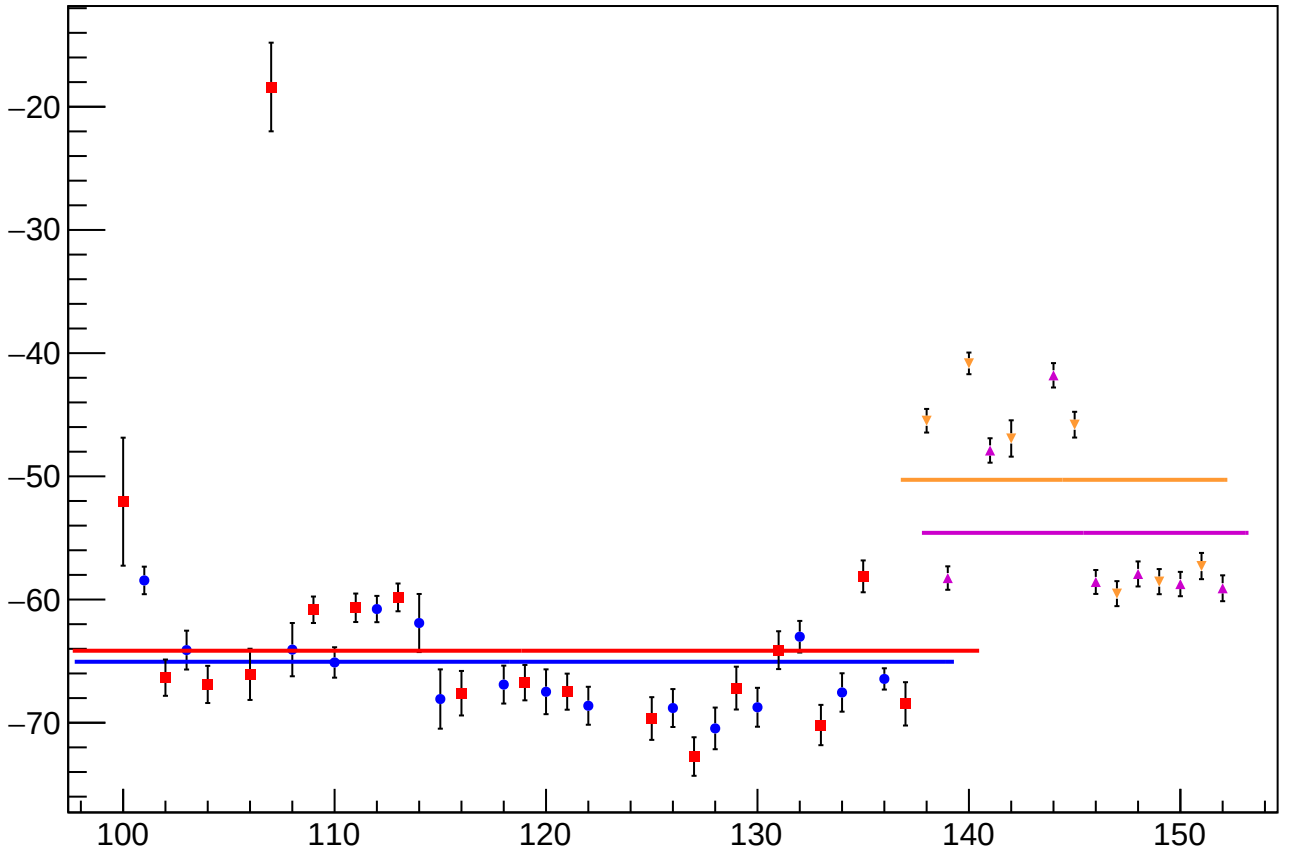
Left: -0.023+/-0.184 χ^2/NDF: 273.9/13

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: -0.325+/-0.204 χ^2/NDF:145.6/22

Out: 0.237+/-0.209 χ^2/NDF:227.6/24

All: -0.052+/-0.146 χ^2/NDF: 376.9/47



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: -54.587+/-0.375 χ^2/NDF:290.7/6

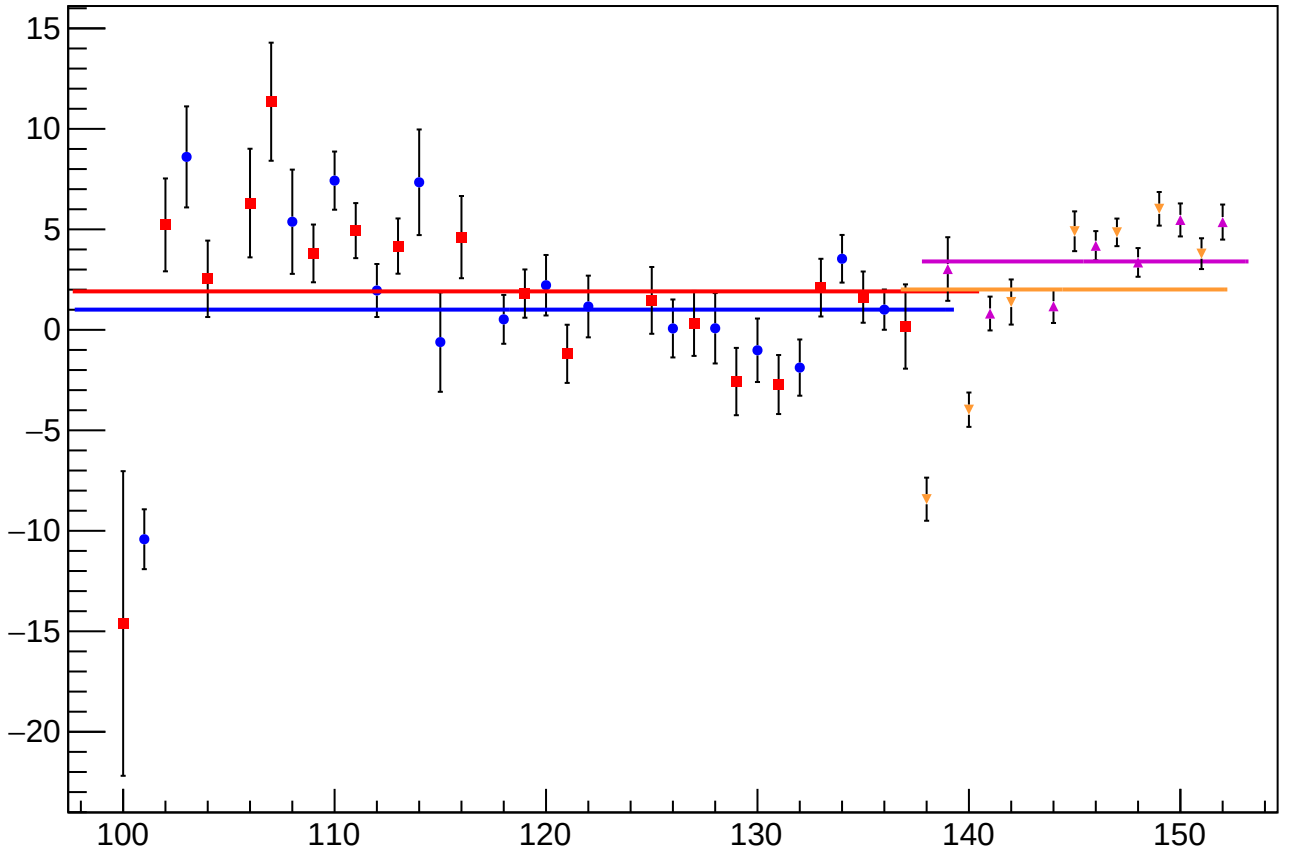
Left: -52.517+/-0.270 χ^2/NDF: 709.8/13

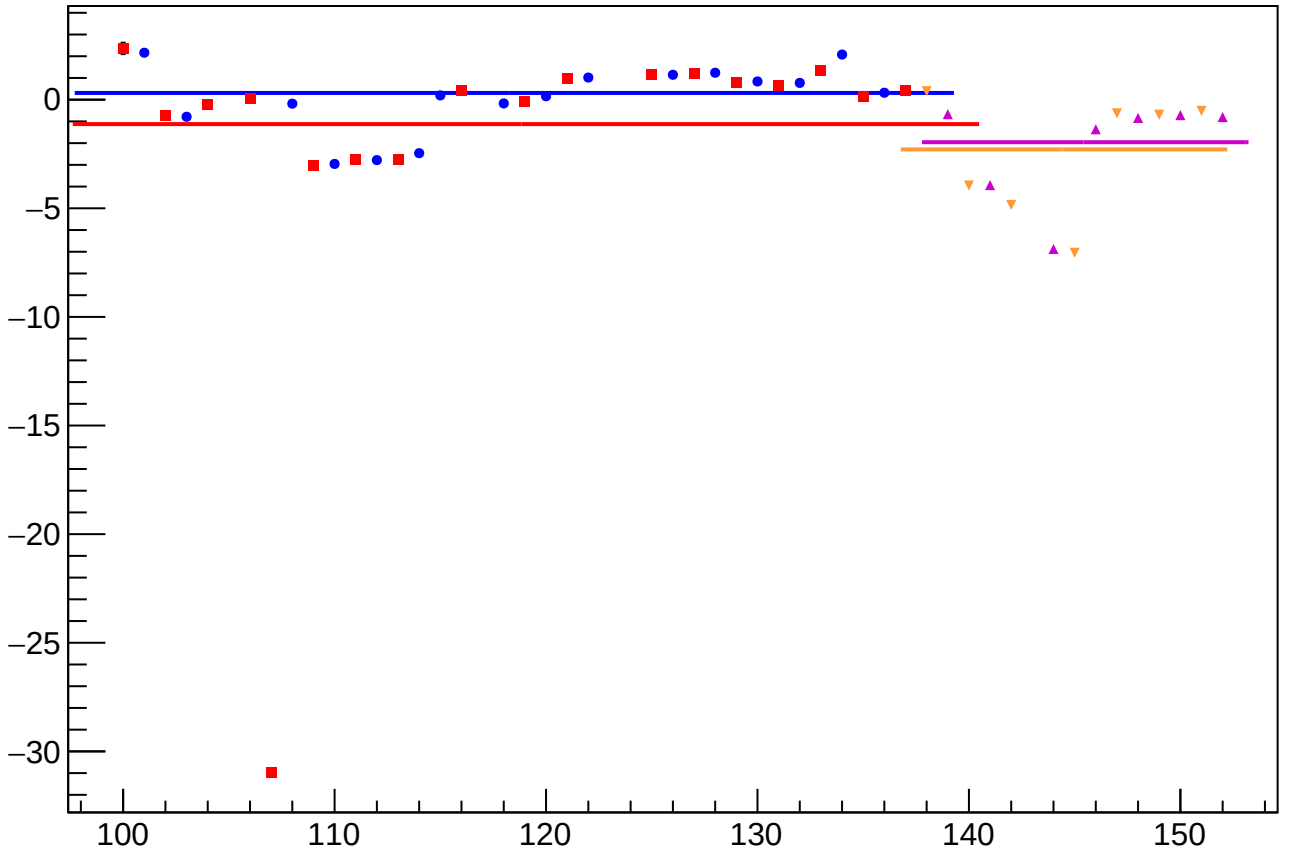
Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -60.124+/-0.258 χ^2/NDF:794.9/22

Out: -57.767+/-0.265 χ^2/NDF:1341.8/24

All: -58.978+/-0.185 χ^2/NDF: 2177.5/47


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: 3.403+/-0.318 χ²/NDF:29.2/6
Left: 2.727+/-0.228 χ²/NDF: 236.7/13
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 2.403+/-0.243 χ²/NDF:162.2/22
Out: 1.969+/-0.251 χ²/NDF:252.6/24
All: 2.193+/-0.174 χ²/NDF: 416.4/47



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: -1.957+/-0.015 χ^2/NDF:18993.7/6

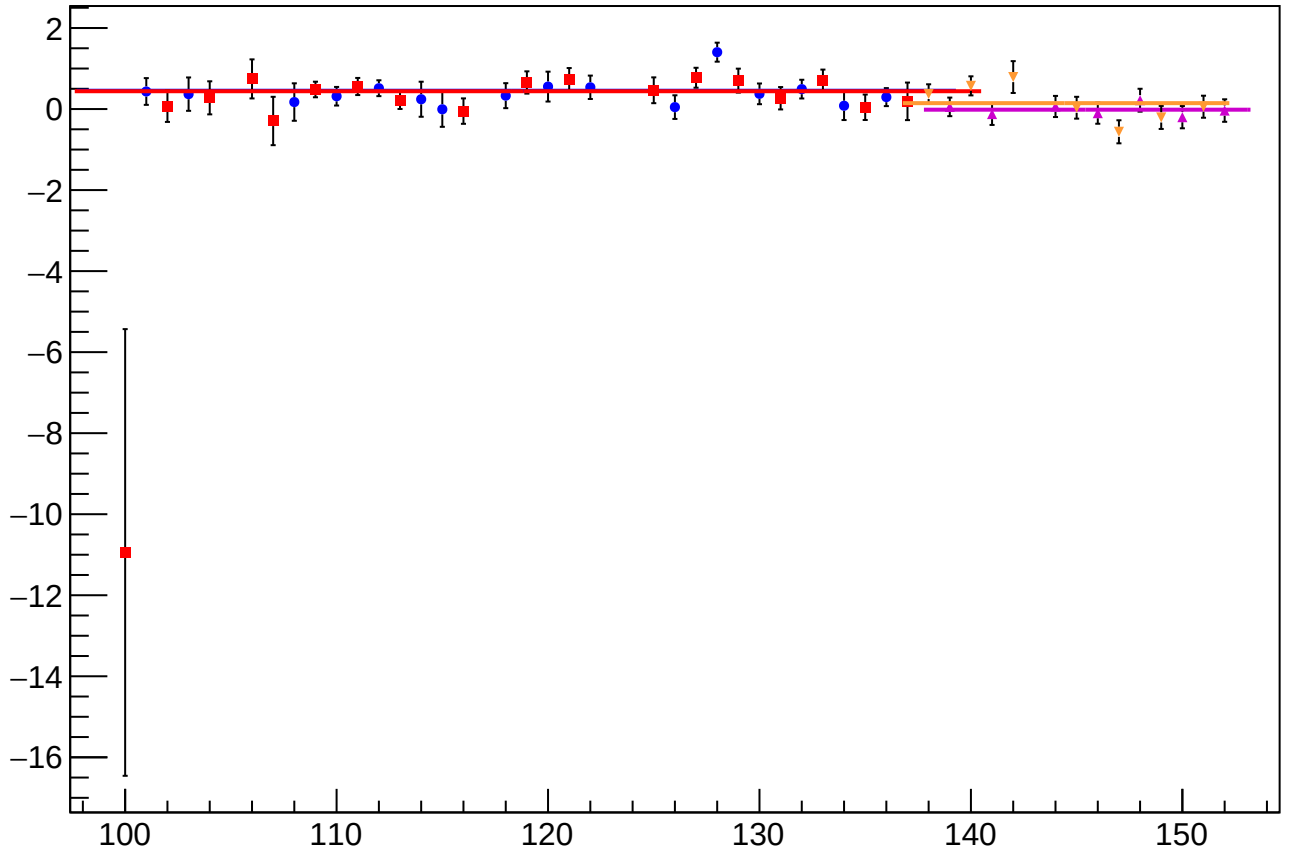
Left: -2.110+/-0.011 χ^2/NDF: 45719.6/13

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.198+/-0.012 χ^2/NDF:31549.2/22

Out: -1.887+/-0.013 χ^2/NDF:74647.2/24

All: -1.519+/-0.009 χ^2/NDF: 107683.8/47



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: -0.016+/-0.100 χ^2/NDF:1.6/6

Left: 0.062+/-0.072 χ^2/NDF: 17.7/13

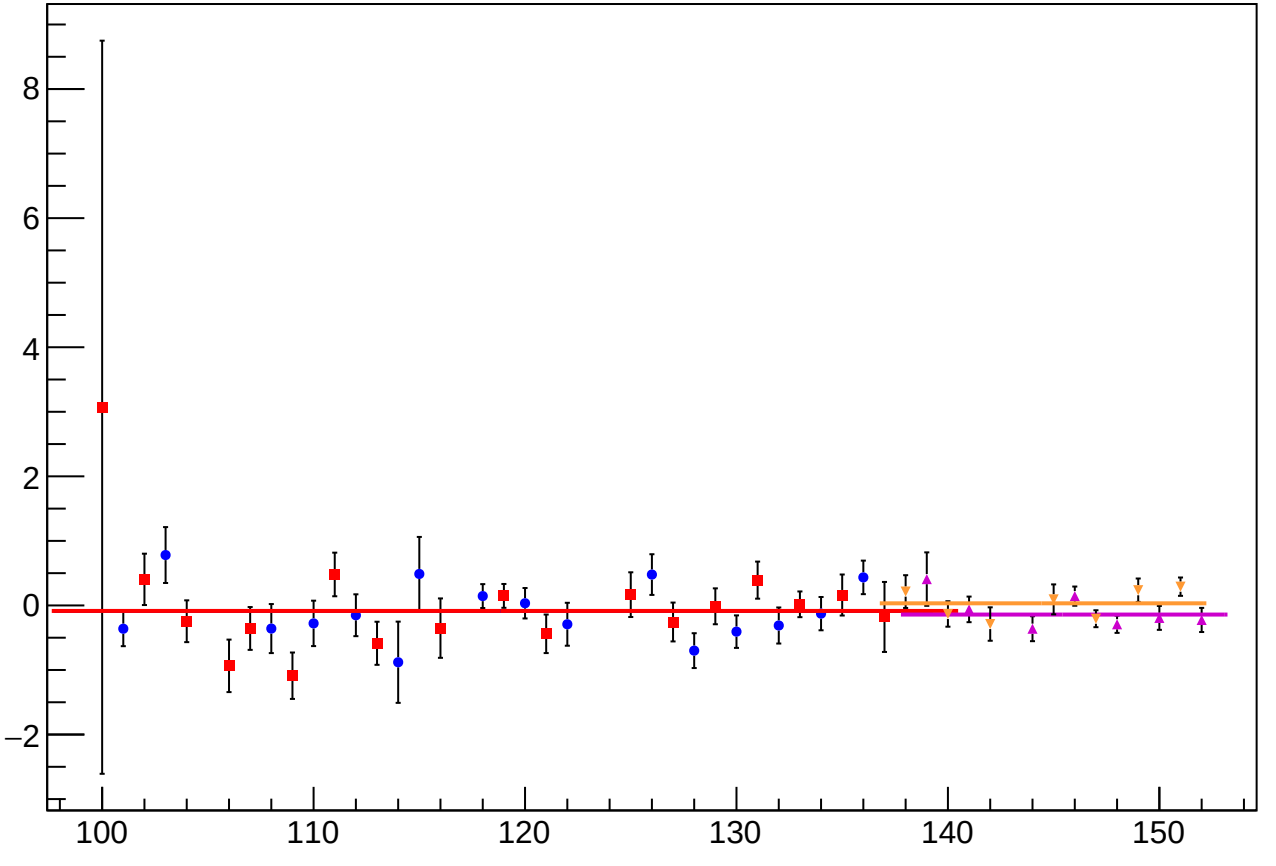
Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.294+/-0.058 χ^2/NDF:38.8/22

Out: 0.348+/-0.058 χ^2/NDF:39.0/24

All: 0.321+/-0.041 χ^2/NDF: 78.3/47

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.033+/-0.069 χ^2/NDF:10.7/6

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.141+/-0.068 χ^2/NDF:8.5/6

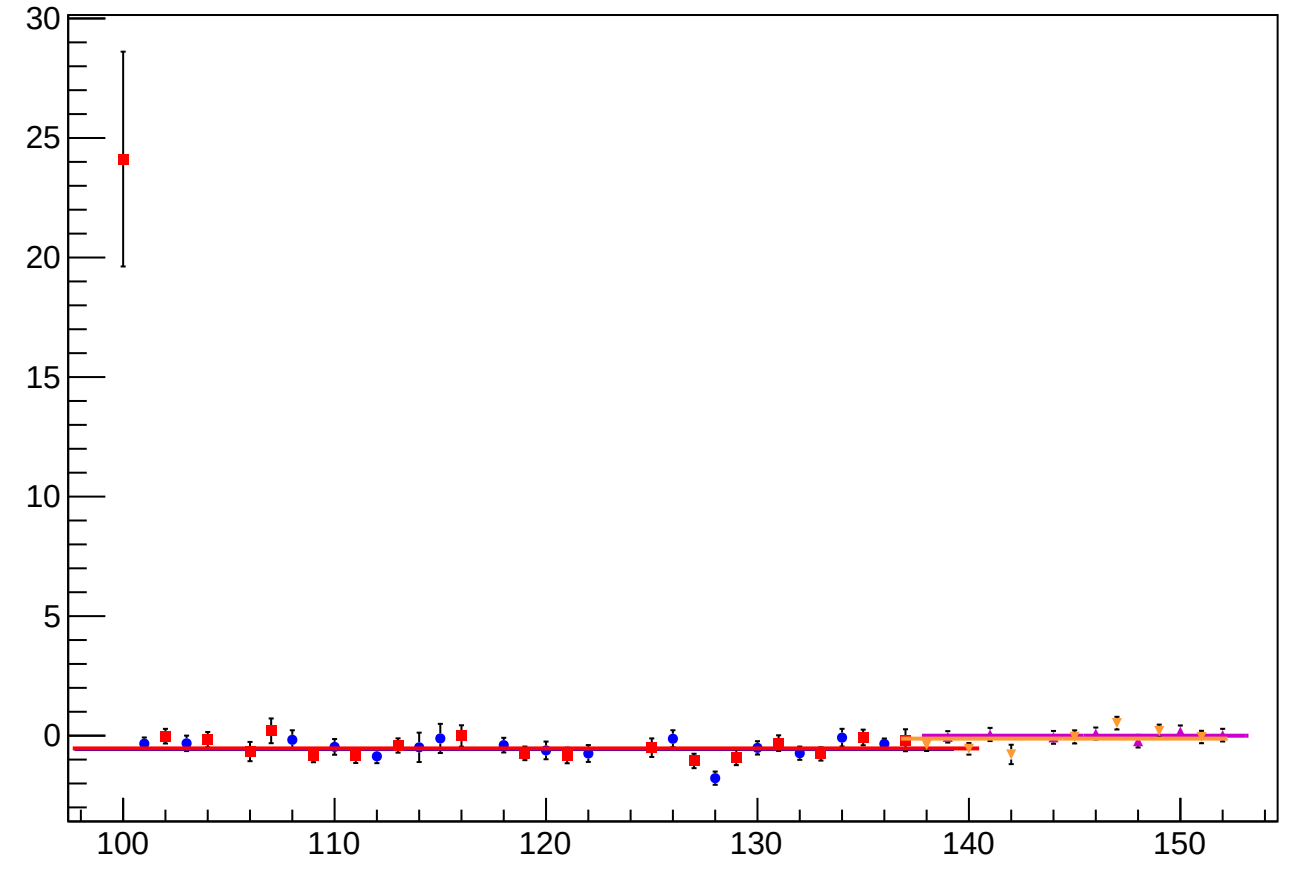
Left: -0.055+/-0.048 χ^2/NDF: 22.4/13

Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.116+/-0.050 χ^2/NDF:34.1/22

Out: -0.022+/-0.050 χ^2/NDF:39.9/24

All: -0.069+/-0.035 χ^2/NDF: 75.8/47



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: -0.001+/-0.098 χ^2/NDF:1.5/6

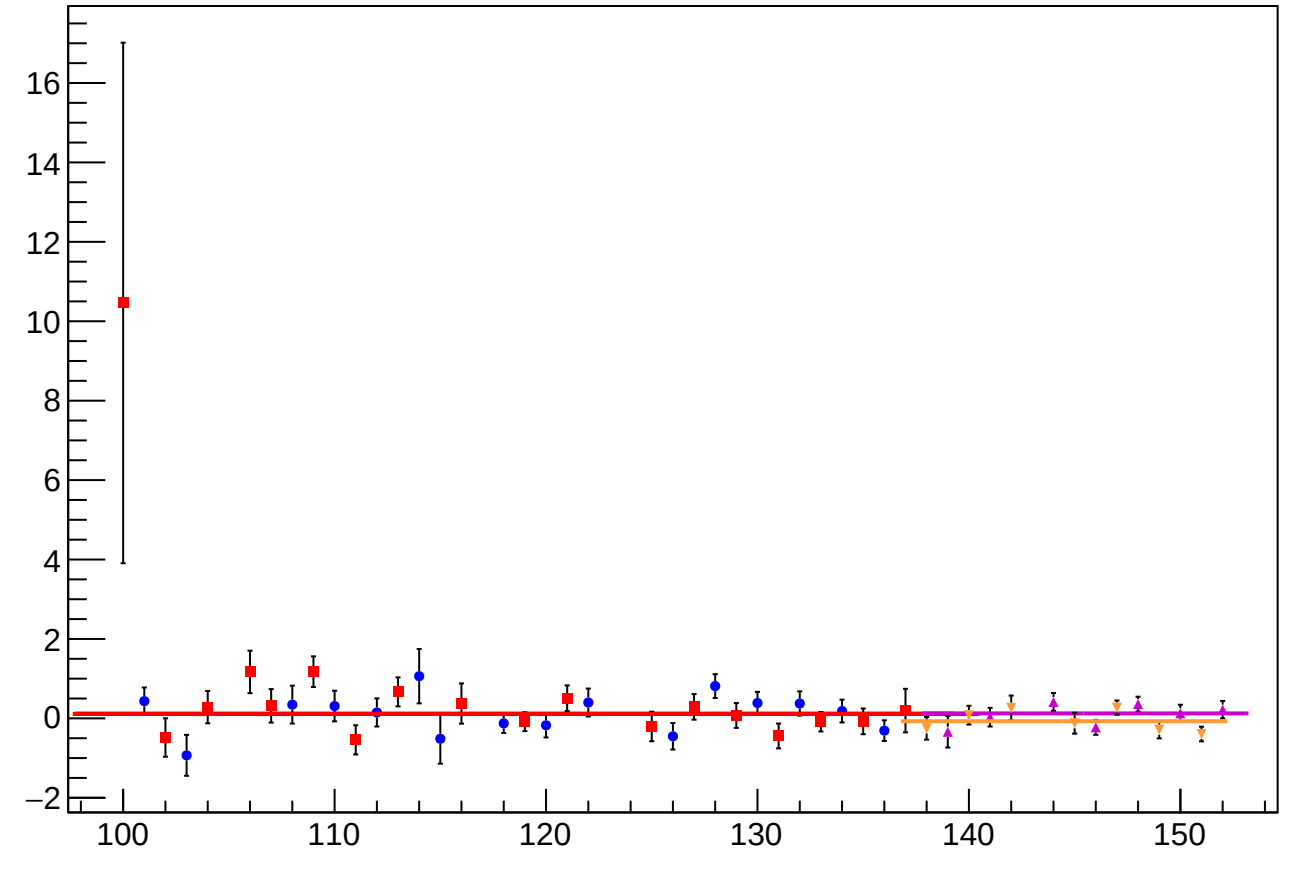
Left: -0.060+/-0.071 χ^2/NDF: 16.7/13

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.337+/-0.062 χ^2/NDF:49.3/22

Out: -0.376+/-0.063 χ^2/NDF:73.6/24

All: -0.356+/-0.044 χ^2/NDF: 123.1/47



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: 0.125+/-0.083 χ^2/NDF:8.4/6

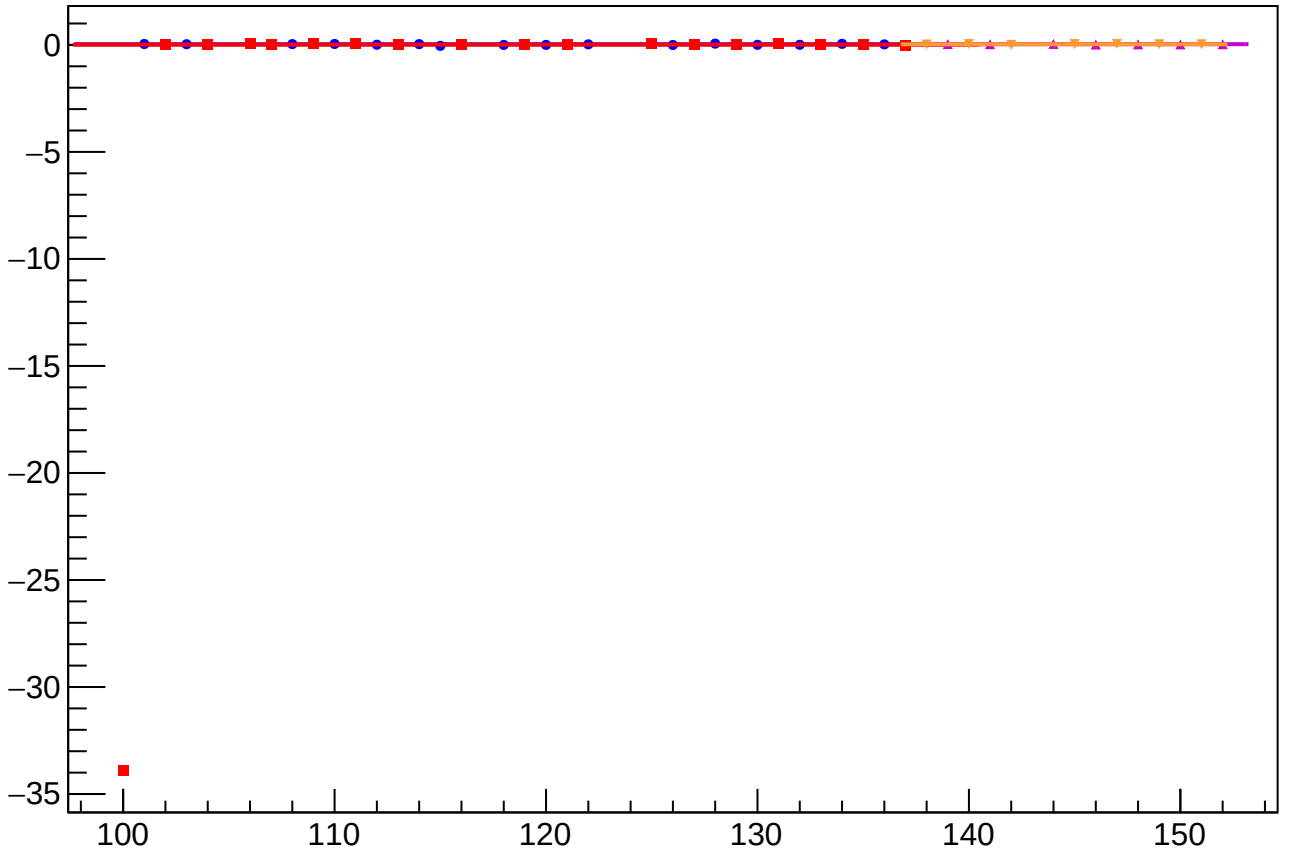
Left: 0.029+/-0.060 χ^2/NDF: 20.8/13

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.121+/-0.059 χ^2/NDF:32.0/22

Out: 0.021+/-0.060 χ^2/NDF:41.0/24

All: 0.072+/-0.042 χ^2/NDF: 74.5/47



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:4.7/6

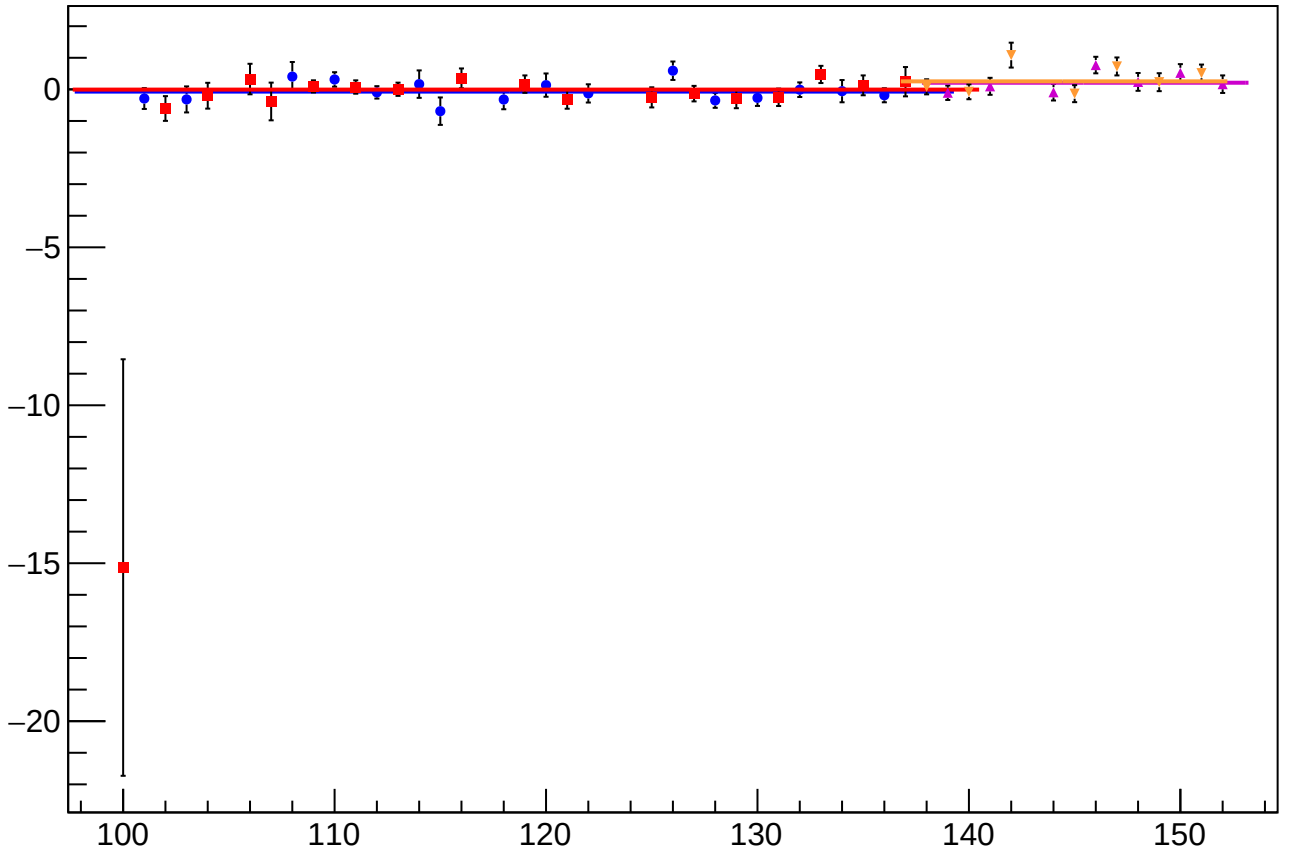
Left: 0.031+/-0.003 χ^2/NDF: 13.3/13

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.031+/-0.003 χ^2/NDF:20.5/22

Out: 0.021+/-0.003 χ^2/NDF:22275.5/24

All: 0.026+/-0.002 χ^2/NDF: 22301.8/47



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: 0.210+/-0.100 χ^2/NDF:9.3/6

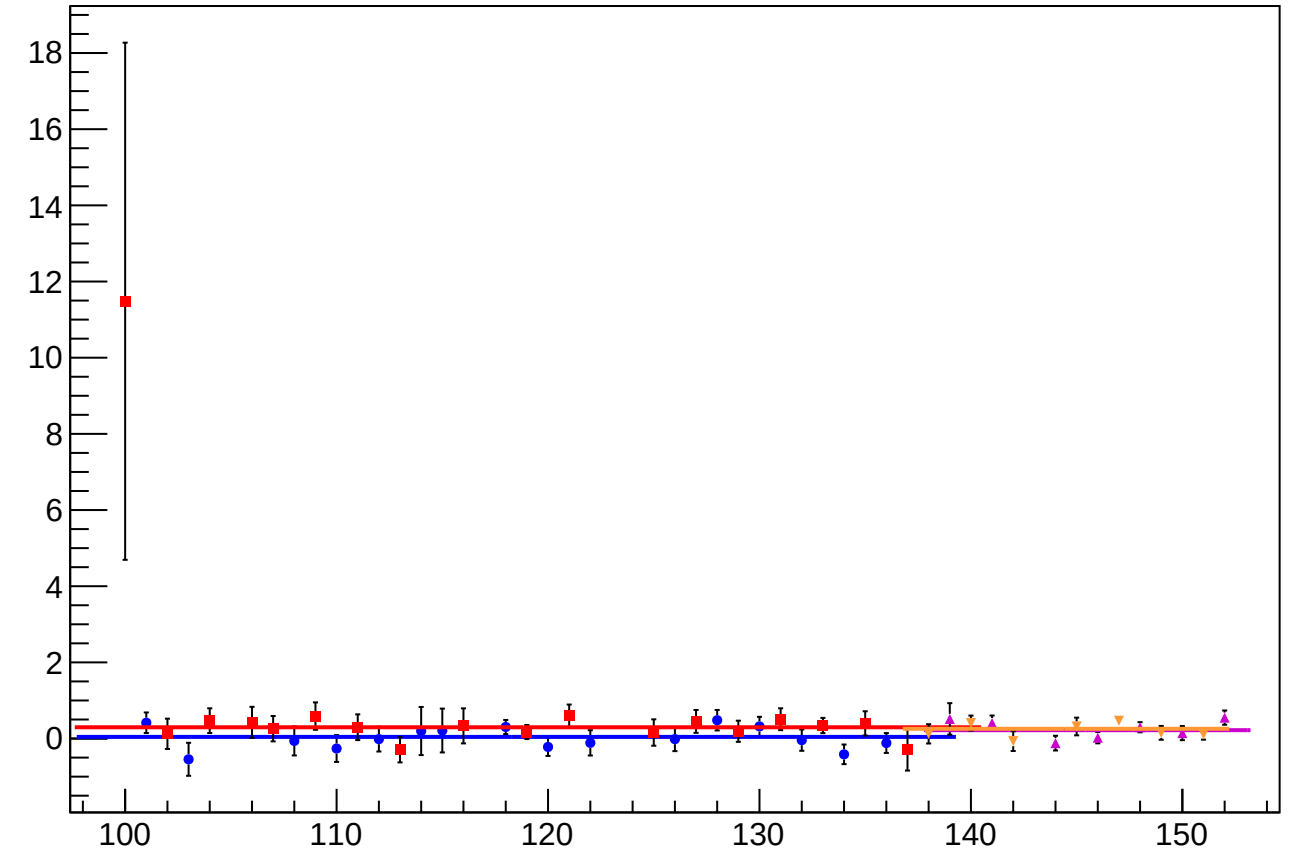
Left: 0.231+/-0.072 χ^2/NDF: 22.1/13

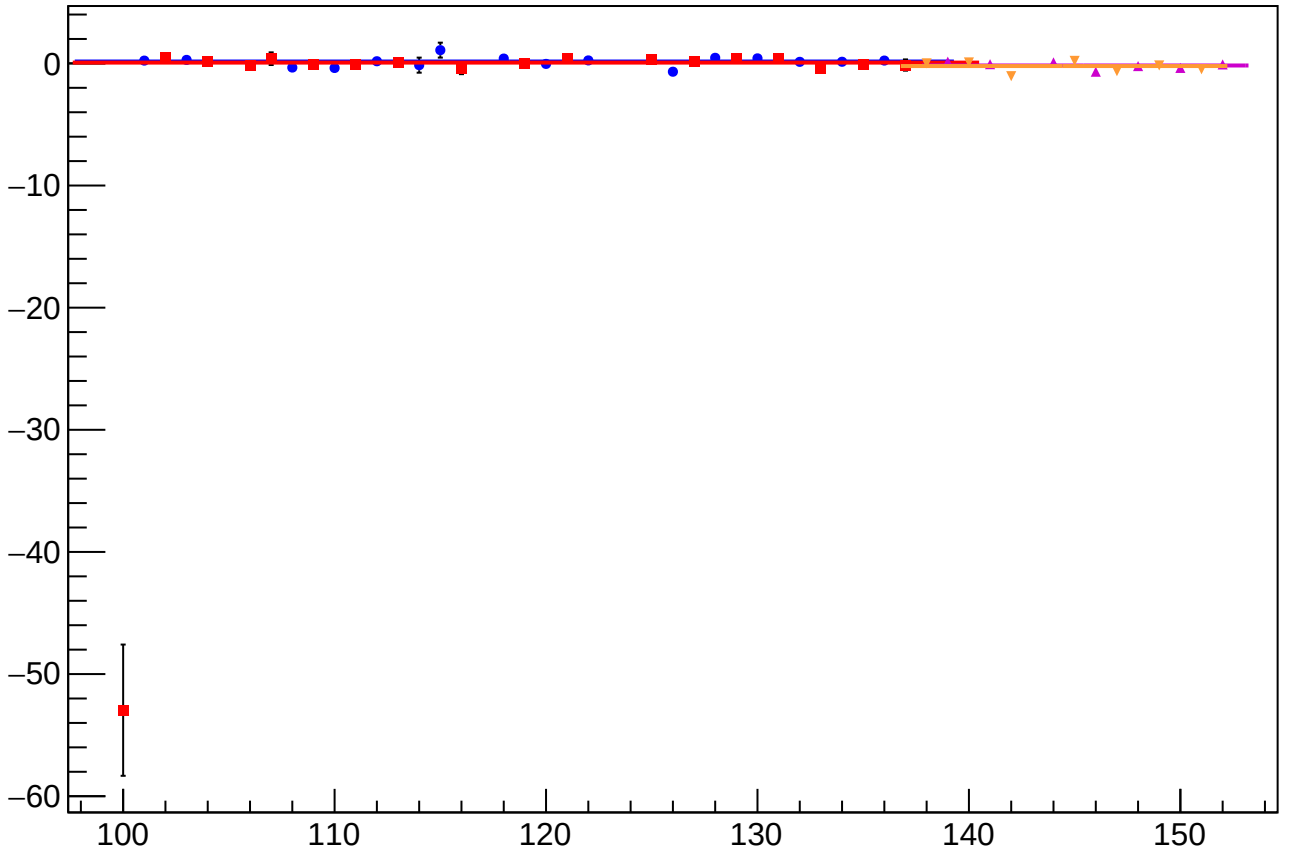
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.025+/-0.058 χ^2/NDF:30.1/22

Out: 0.075+/-0.058 χ^2/NDF:35.3/24

All: 0.050+/-0.041 χ^2/NDF: 65.7/47


reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
18
16
14
12
10
8
6
4
2
0
100
110
120
130
140
150
Right In: 0.044+/-0.073 χ²/NDF: 15.7/15
Left Out: 0.257+/-0.069 χ²/NDF:6.4/6
Right Out: 0.296+/-0.074 χ²/NDF: 11.0/17
Left In: 0.220+/-0.068 χ²/NDF:9.9/6
Left: 0.238+/-0.048 χ²/NDF: 16.4/13
Right: 0.169+/-0.052 χ²/NDF: 32.6/33
In: 0.138+/-0.050 χ²/NDF:28.7/22
Out: 0.275+/-0.050 χ²/NDF:17.6/24
All: 0.206+/-0.035 χ²/NDF: 50.0/47



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: -0.172+/-0.098 χ^2/NDF:7.6/6

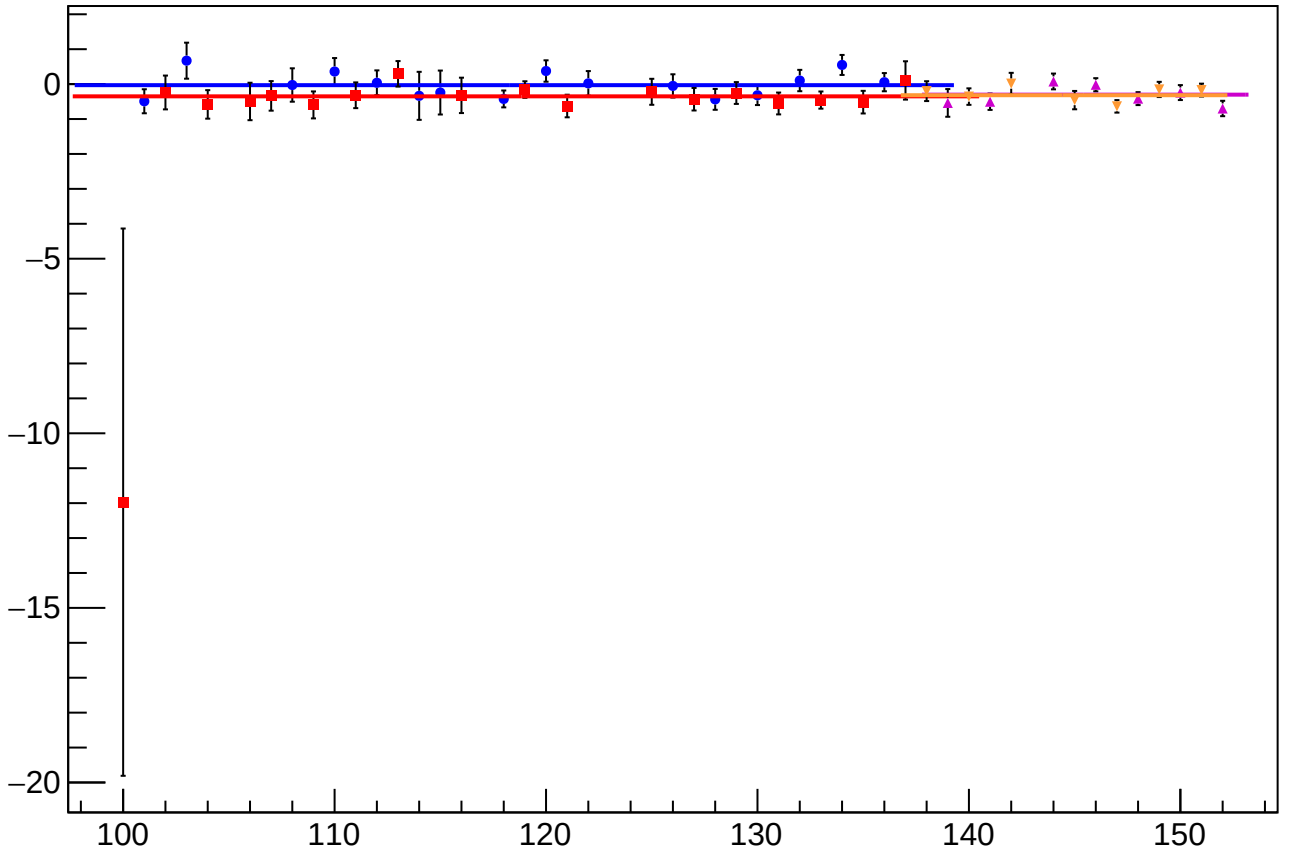
Left: -0.194+/-0.071 χ^2/NDF: 20.2/13

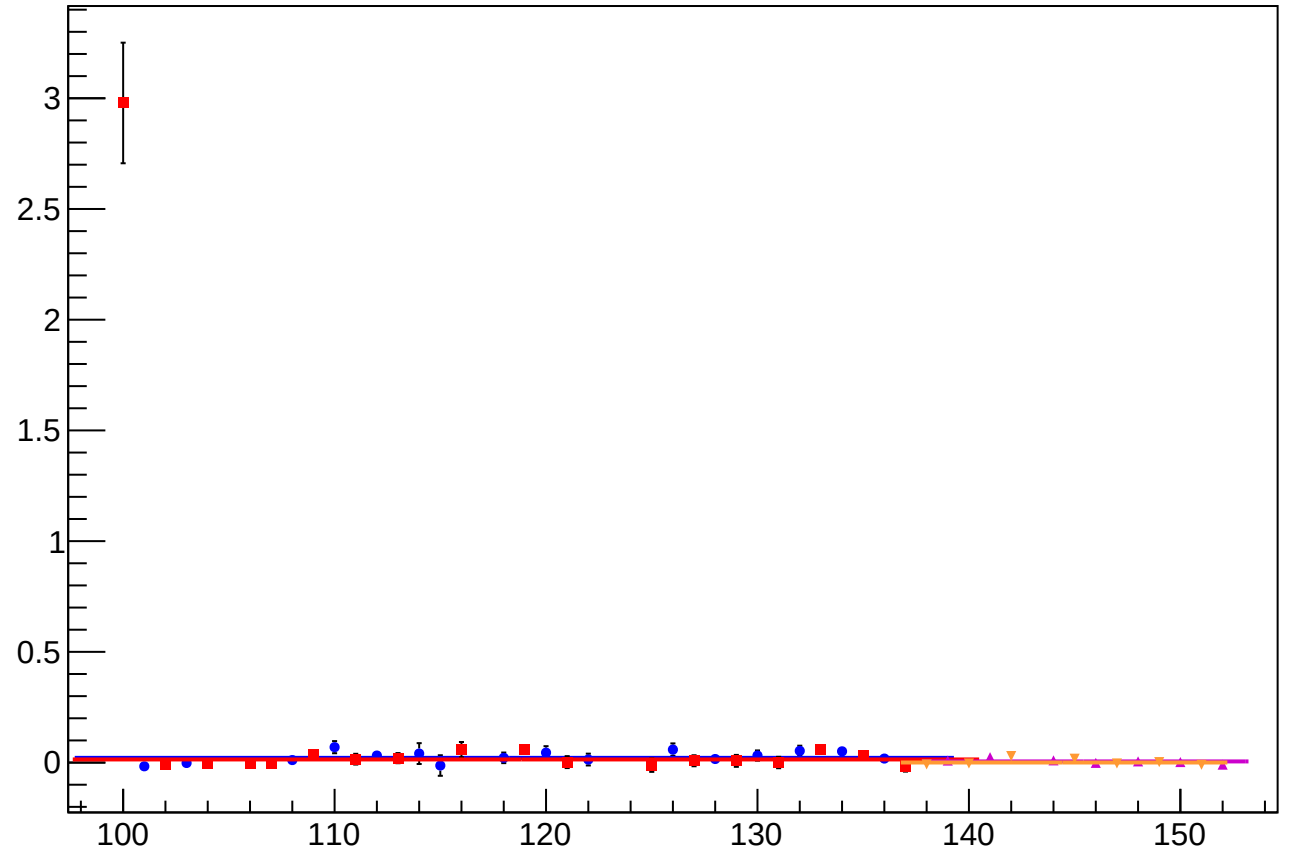
Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.024+/-0.062 χ^2/NDF:29.9/22

Out: -0.043+/-0.063 χ^2/NDF:126.5/24

All: -0.009+/-0.044 χ^2/NDF: 156.9/47


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: -0.302+/-0.083 χ²/NDF:9.8/6
Left: -0.310+/-0.060 χ²/NDF: 15.9/13
Right: -0.188+/-0.060 χ²/NDF: 33.4/33
In: -0.167+/-0.059 χ²/NDF:31.9/22
Out: -0.334+/-0.060 χ²/NDF:15.5/24
All: -0.249+/-0.042 χ²/NDF: 51.3/47



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: 0.005+/-0.004 χ^2/NDF:6.1/6

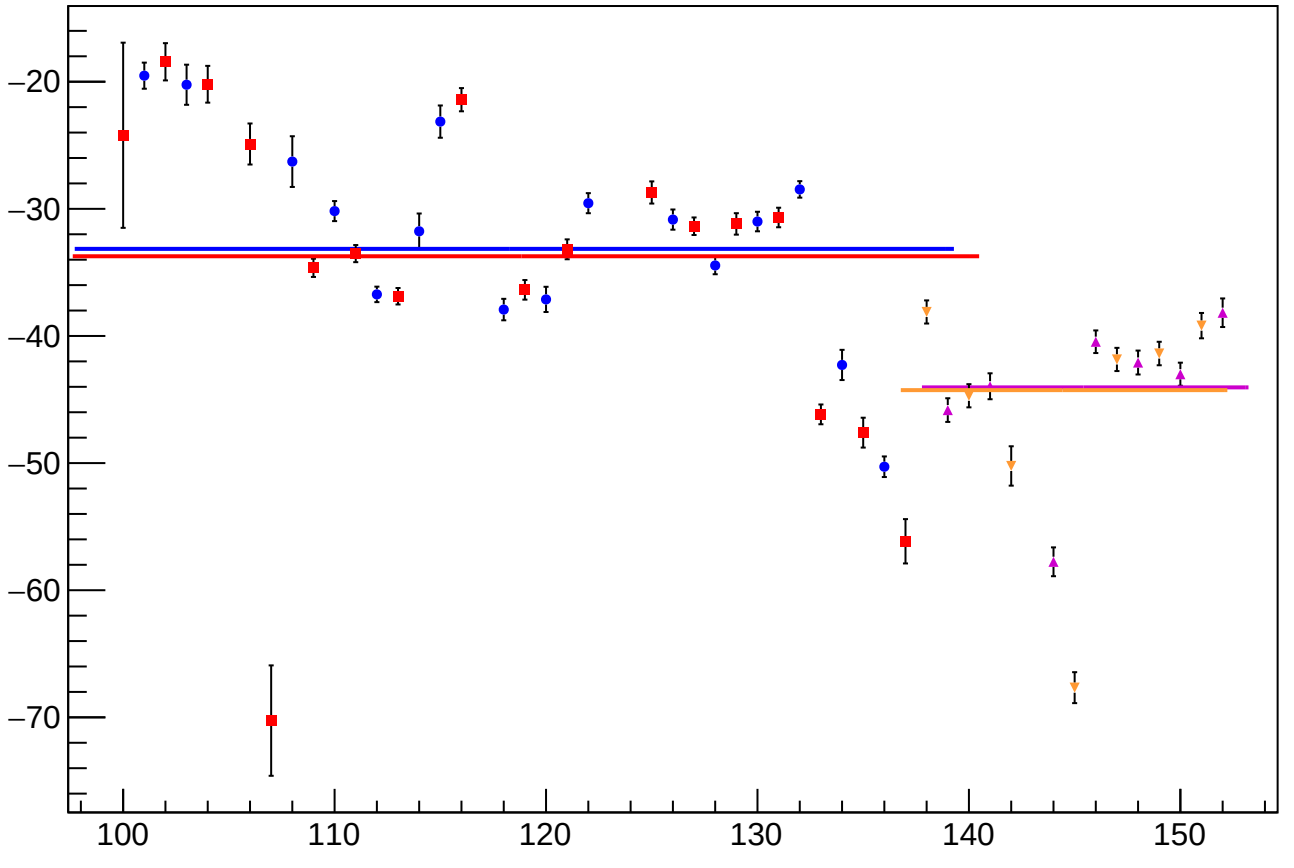
Left: 0.003+/-0.003 χ^2/NDF: 14.5/13

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.012+/-0.003 χ^2/NDF:35.3/22

Out: 0.006+/-0.003 χ^2/NDF:153.1/24

All: 0.009+/-0.002 χ^2/NDF: 189.9/47



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: -44.045+/-0.370 χ^2/NDF:199.3/6

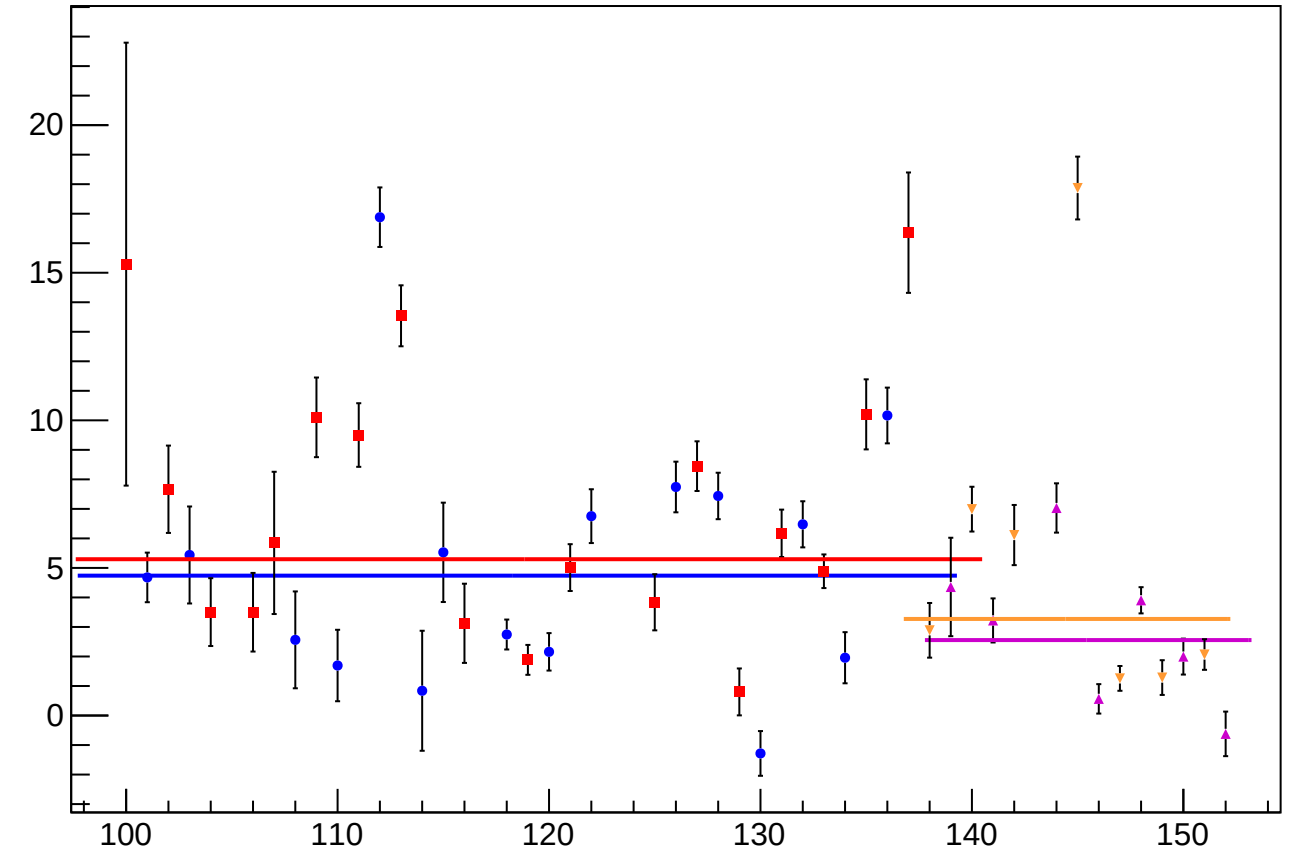
Left: -44.150+/-0.266 χ^2/NDF: 672.3/13

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -35.951+/-0.188 χ^2/NDF:1856.1/22

Out: -36.270+/-0.187 χ^2/NDF:2200.6/24

All: -36.111+/-0.133 χ^2/NDF: 4058.1/47



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 3.272+/-0.242 χ^2/NDF:260.0/6

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 2.556+/-0.242 χ^2/NDF:74.4/6

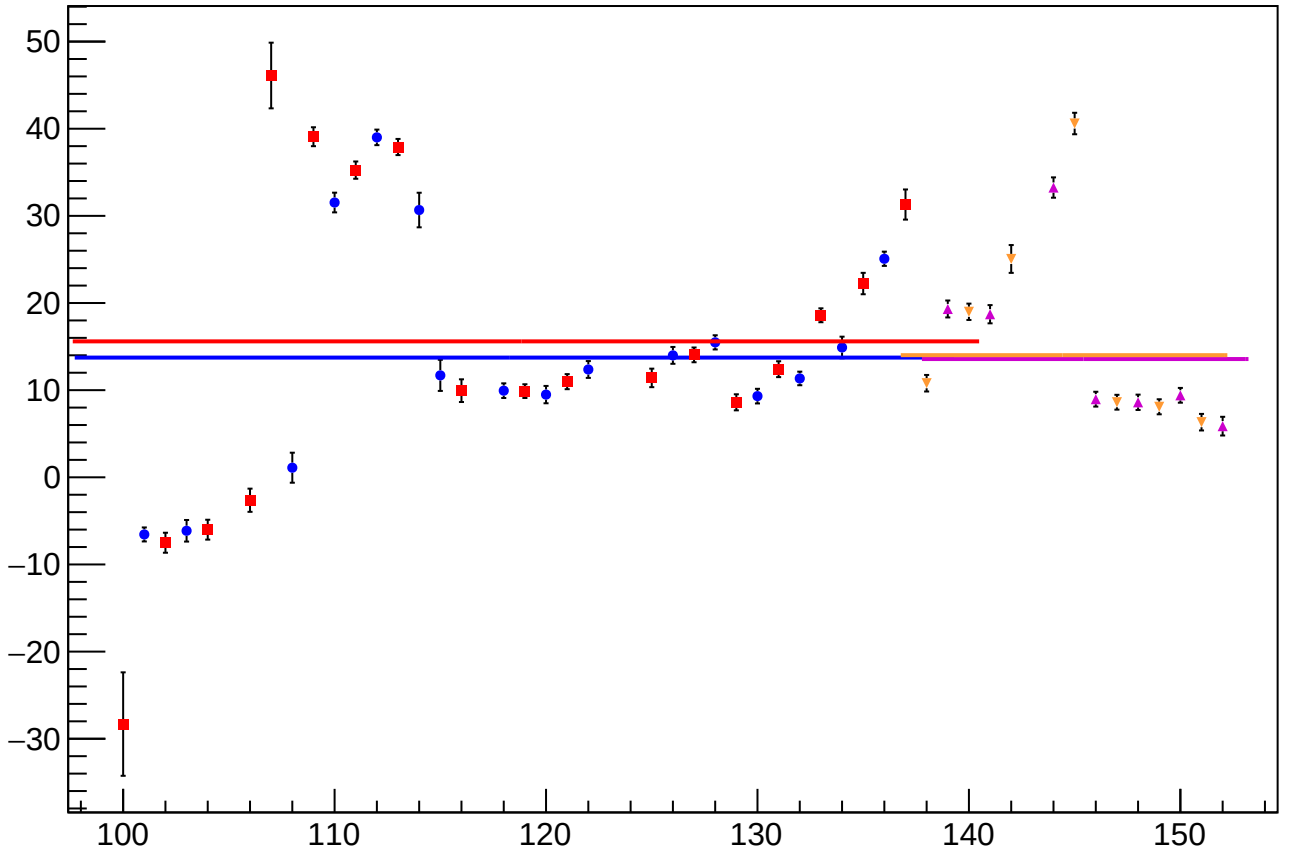
Left: 2.913+/-0.171 χ^2/NDF: 338.8/13

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 3.753+/-0.162 χ^2/NDF:448.8/22

Out: 4.366+/-0.164 χ^2/NDF:542.8/24

All: 4.056+/-0.115 χ^2/NDF: 998.6/47



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: 13.571+/-0.362 χ^2/NDF:480.1/6

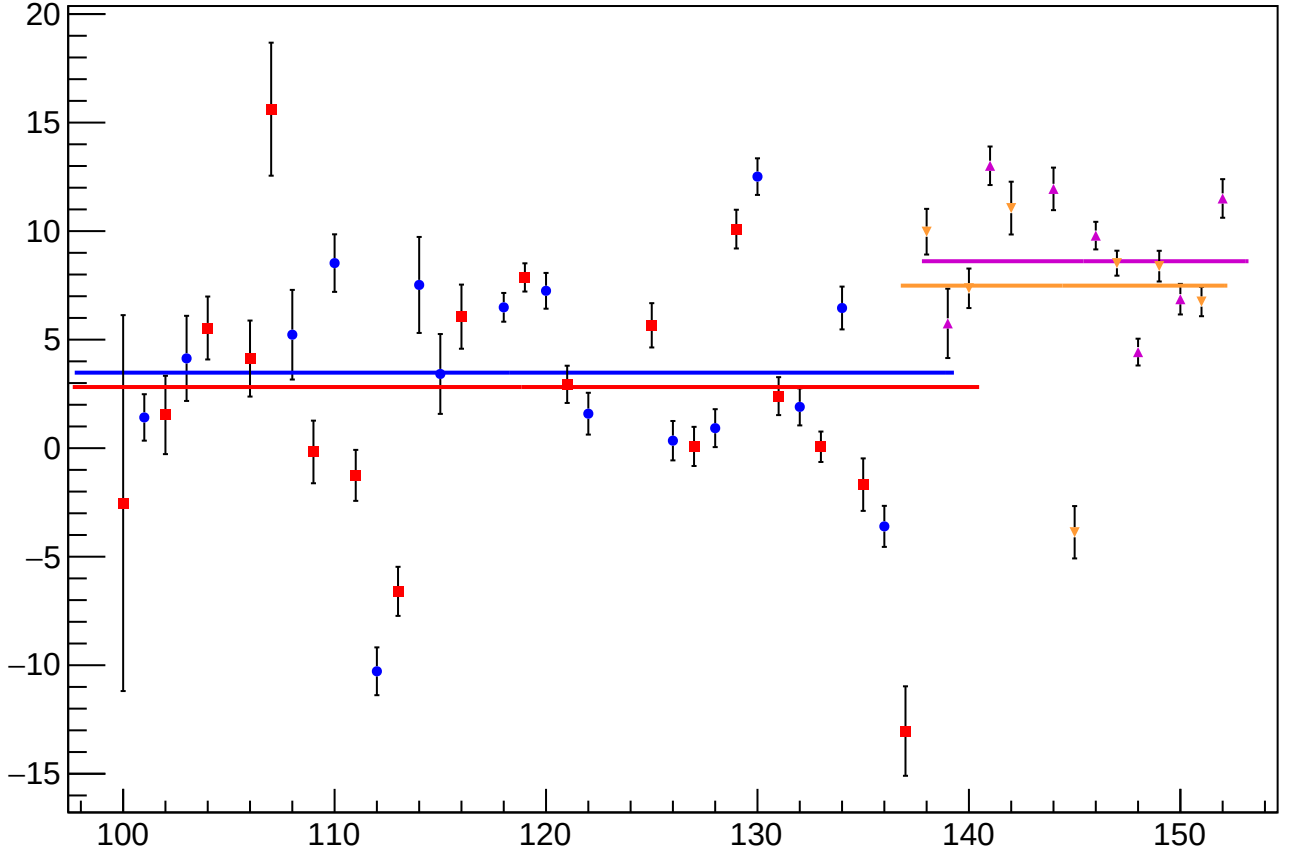
Left: 13.785+/-0.260 χ^2/NDF: 1186.5/13

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 13.685+/-0.204 χ^2/NDF:2830.1/22

Out: 15.111+/-0.208 χ^2/NDF:3544.3/24

All: 14.384+/-0.146 χ^2/NDF: 6398.4/47



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: 8.613+/-0.300 χ^2/NDF:105.5/6

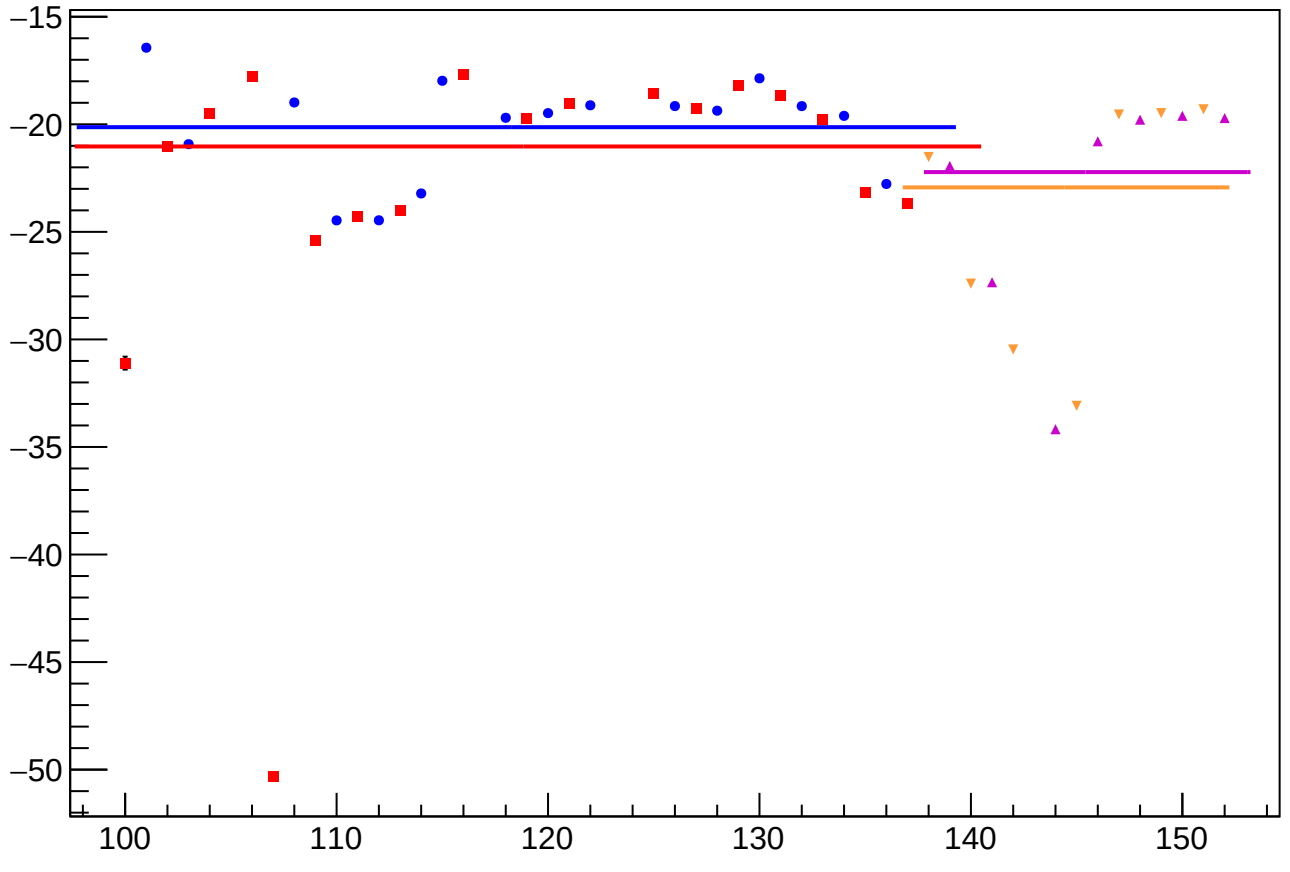
Left: 8.061+/-0.214 χ^2/NDF: 221.3/13

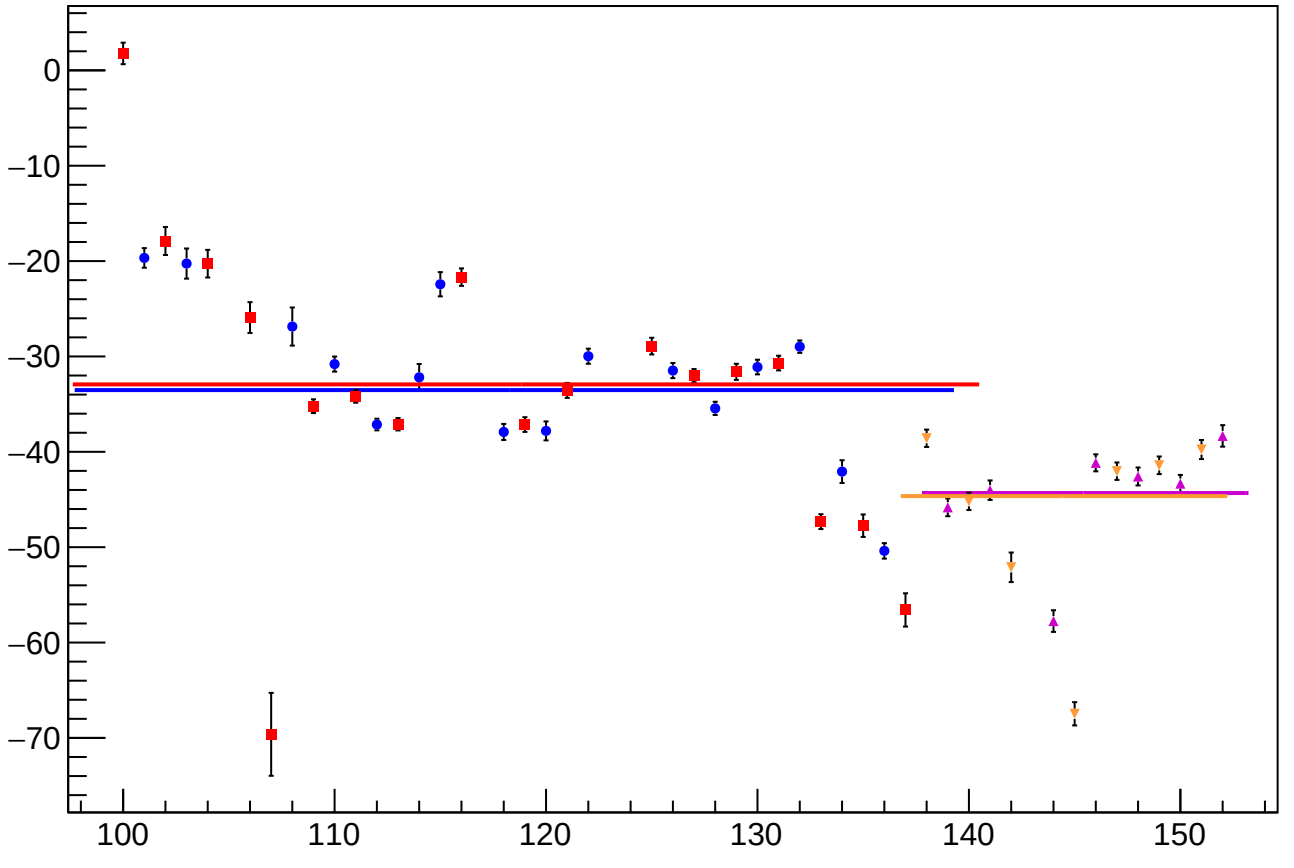
Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 5.616+/-0.194 χ^2/NDF:703.6/22

Out: 4.753+/-0.197 χ^2/NDF:590.9/24

All: 5.191+/-0.138 χ^2/NDF: 1304.3/47


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: -22.221+/-0.014 χ²/NDF:82589.4/6
Left: -22.550+/-0.011 χ²/NDF: 180050.0/13
Right: -20.570+/-0.011 χ²/NDF: 78882.9/33
In: -21.286+/-0.011 χ²/NDF:111806.6/22
Out: -22.033+/-0.011 χ²/NDF:160906.4/24
All: -21.639+/-0.008 χ²/NDF: 275011.0/47



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -44.644+/-0.382 χ^2/NDF:462.0/6

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -44.321+/-0.371 χ^2/NDF:187.9/6

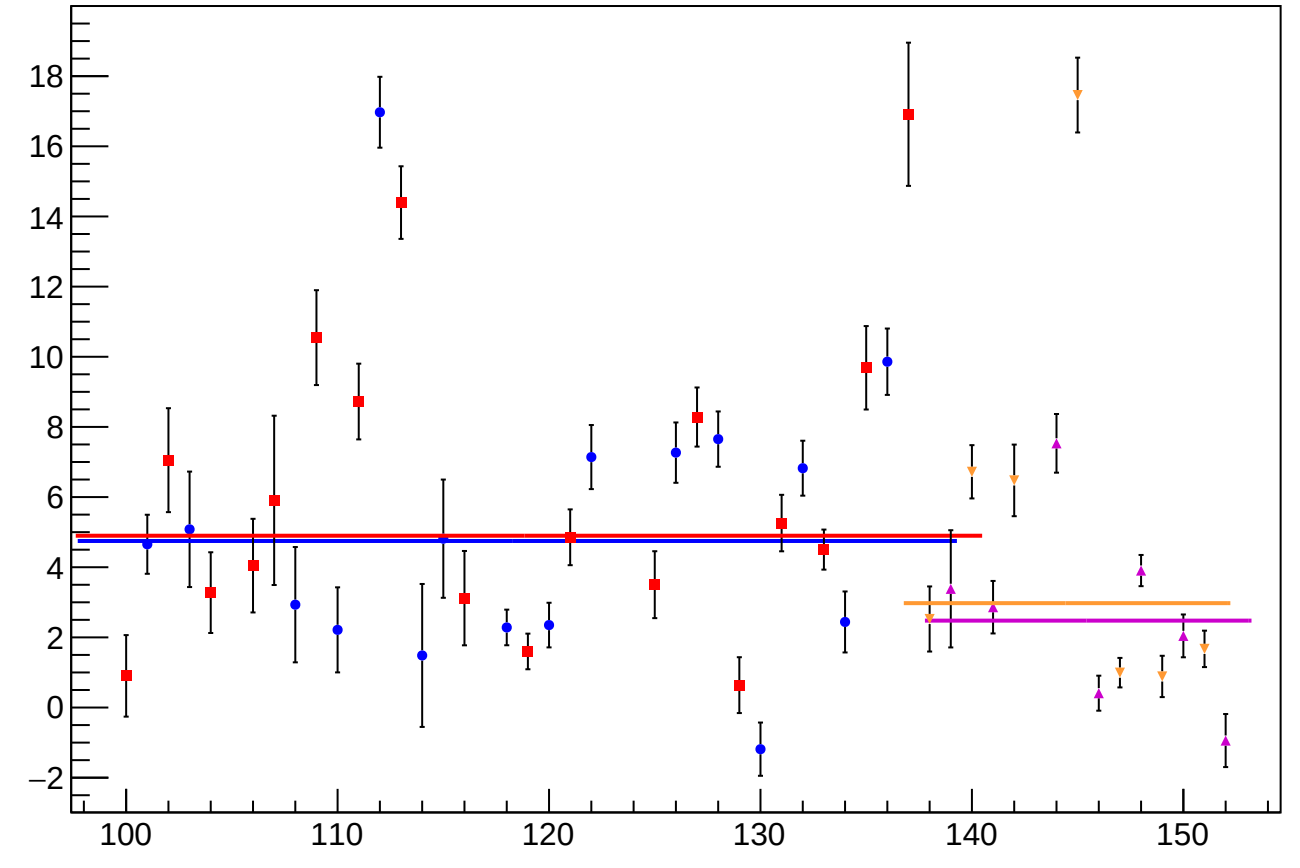
Left: -44.478+/-0.266 χ^2/NDF: 650.3/13

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -36.305+/-0.188 χ^2/NDF:1824.8/22

Out: -35.683+/-0.185 χ^2/NDF:3352.1/24

All: -35.989+/-0.132 χ^2/NDF: 5182.4/47



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 2.976+/-0.243 χ^2/NDF:261.8/6

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 2.478+/-0.242 χ^2/NDF:85.5/6

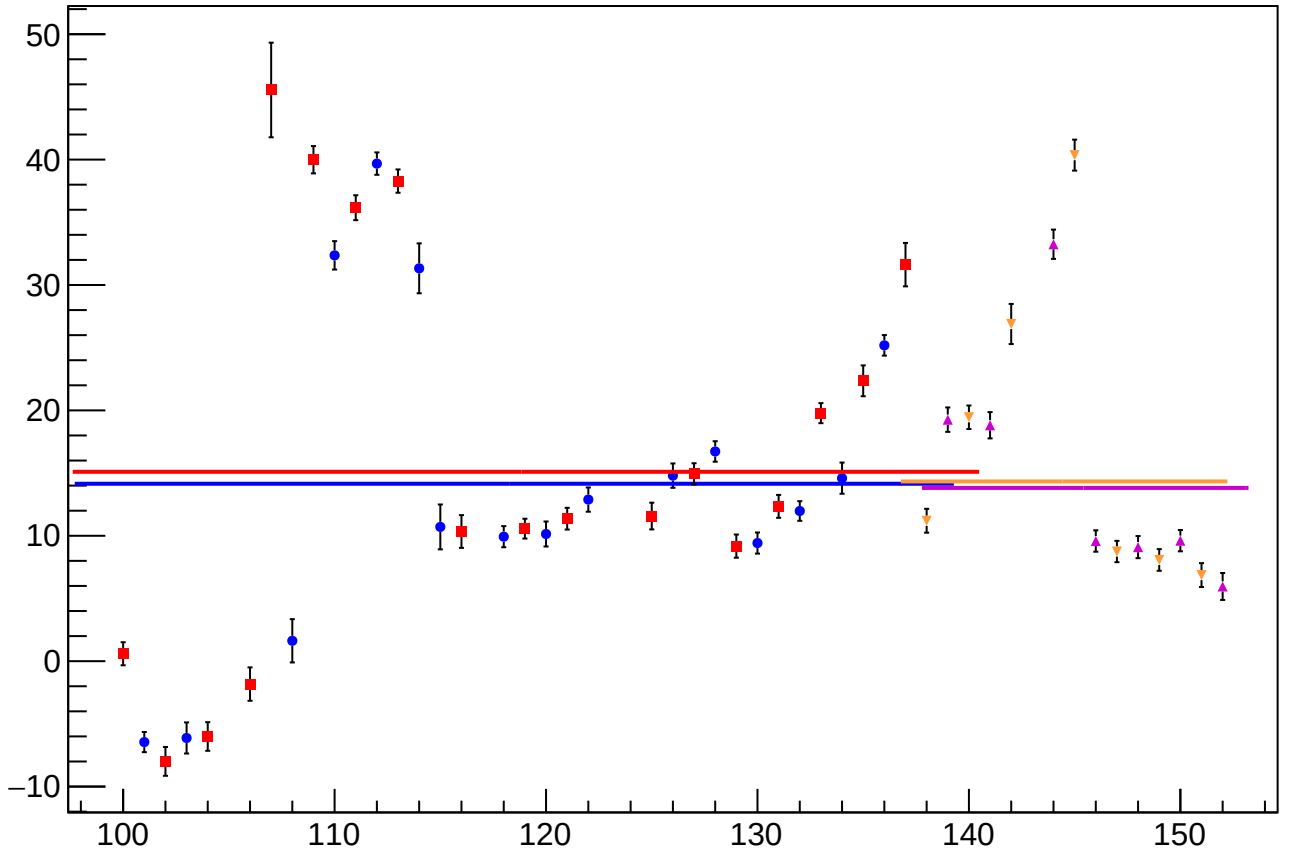
Left: 2.726+/-0.171 χ^2/NDF: 349.4/13

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 3.723+/-0.163 χ^2/NDF:459.5/22

Out: 4.032+/-0.163 χ^2/NDF:569.3/24

All: 3.877+/-0.115 χ^2/NDF: 1030.6/47



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: 13.817+/-0.363 χ^2/NDF:461.6/6

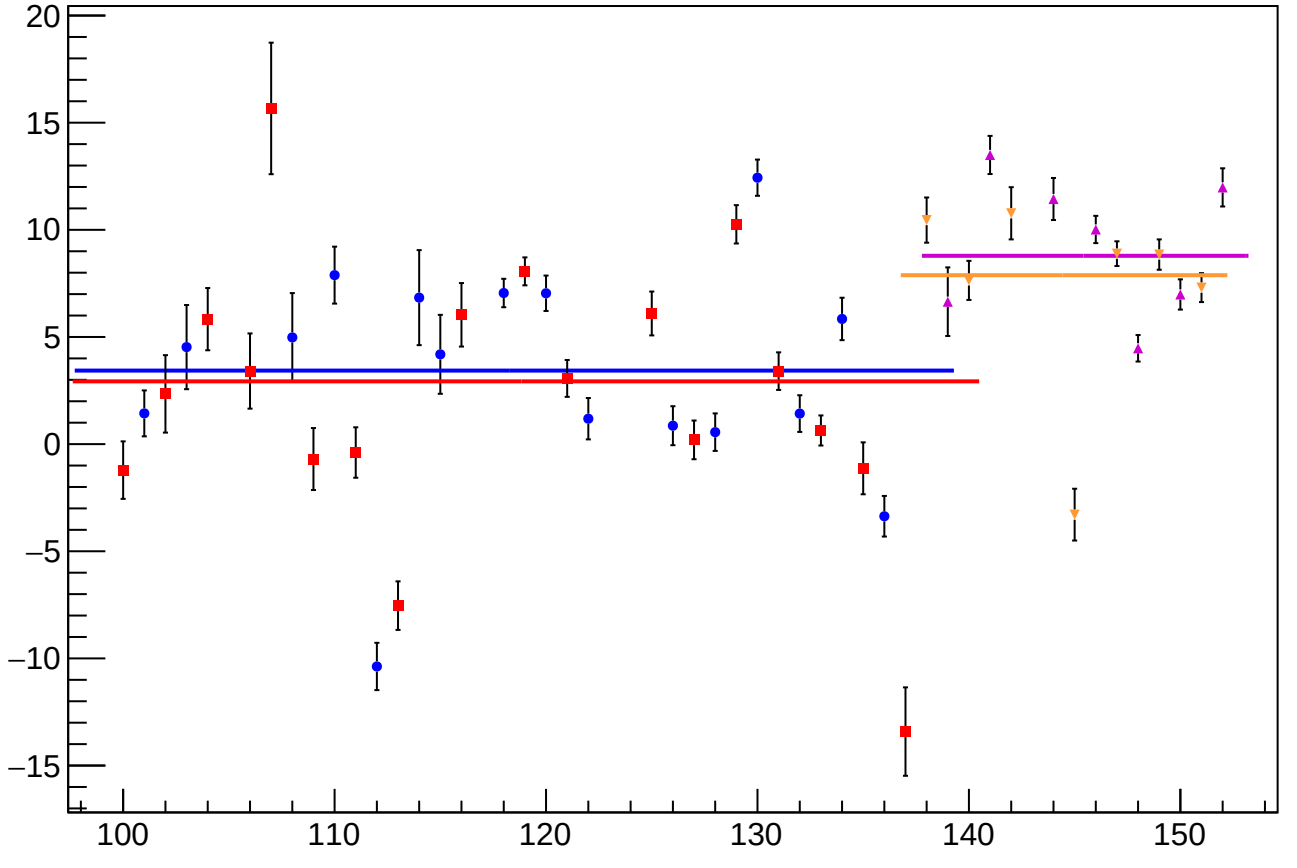
Left: 14.066+/-0.261 χ^2/NDF: 1165.8/13

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 14.044+/-0.204 χ^2/NDF:2864.5/22

Out: 14.877+/-0.203 χ^2/NDF:3808.5/24

All: 14.462+/-0.144 χ^2/NDF: 6681.3/47



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: 8.788+/-0.301 χ^2/NDF:108.8/6

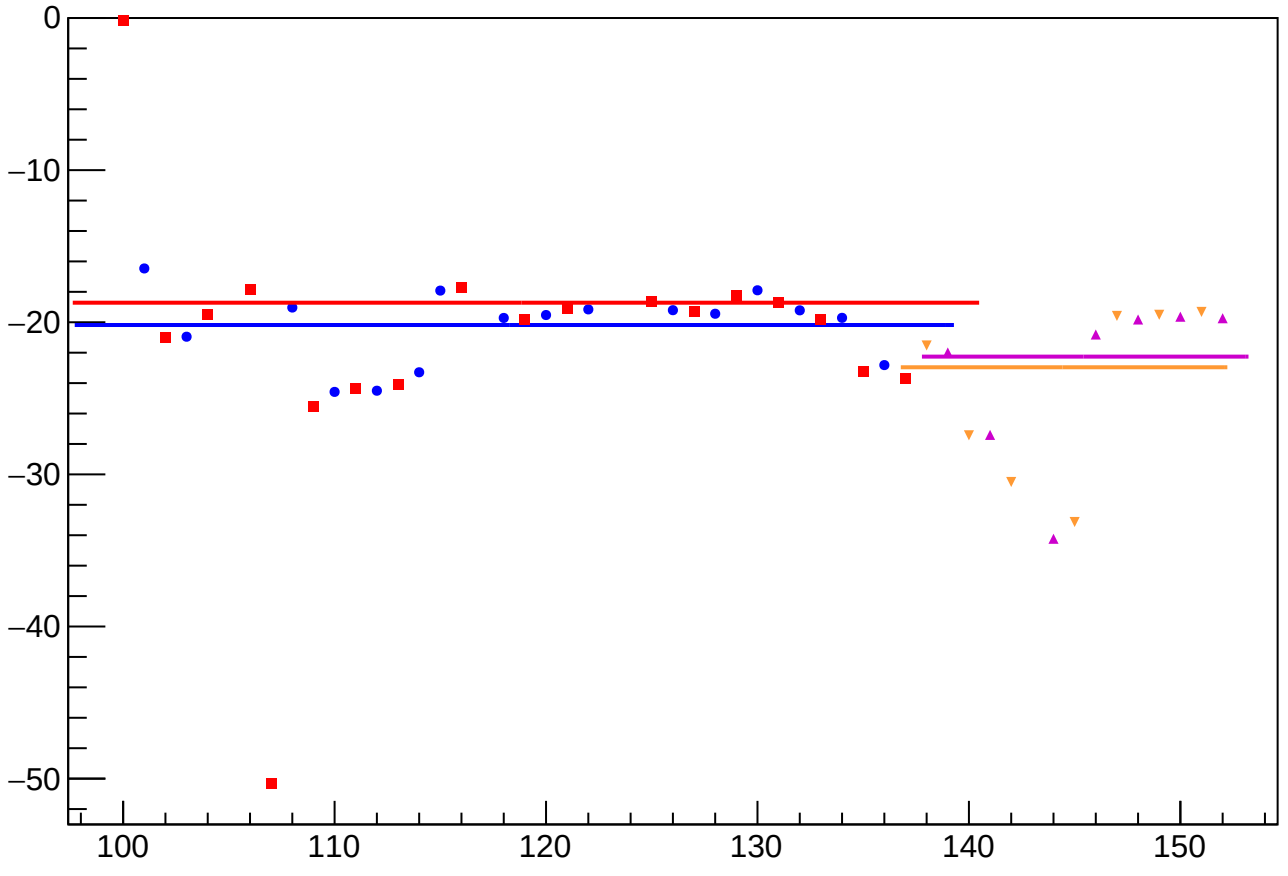
Left: 8.344+/-0.215 χ^2/NDF: 216.0/13

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 5.663+/-0.194 χ^2/NDF:717.7/22

Out: 4.941+/-0.195 χ^2/NDF:625.7/24

All: 5.304+/-0.138 χ^2/NDF: 1350.3/47



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: -22.258+/-0.014 χ^2/NDF:82730.2/6

Left: -22.582+/-0.011 χ^2/NDF: 179966.9/13

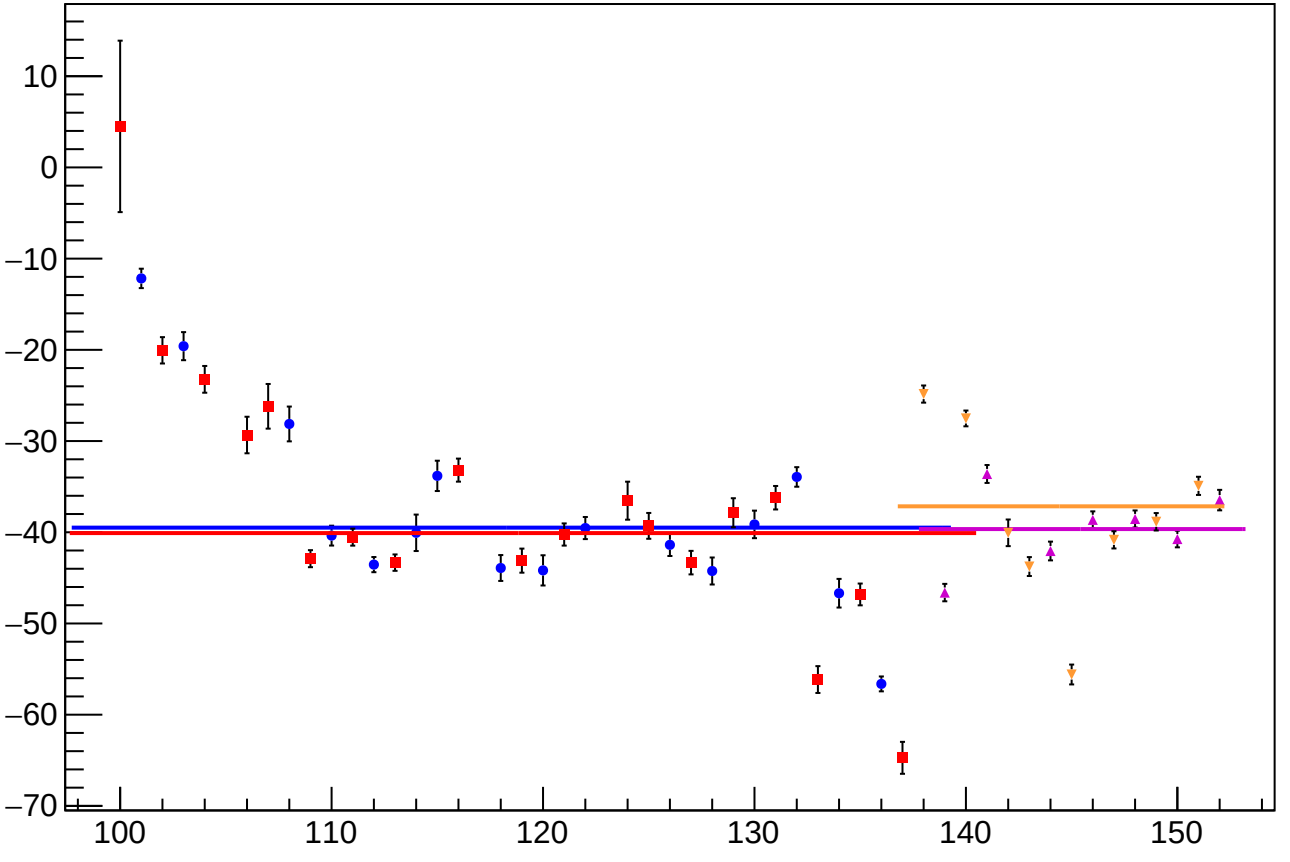
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.328+/-0.011 χ^2/NDF:111842.1/22

Out: -20.830+/-0.011 χ^2/NDF:367884.1/24

All: -21.085+/-0.008 χ^2/NDF: 480773.9/47

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: -39.650+/-0.368 χ^2/NDF:108.4/6

Left: -38.357+/-0.255 χ^2/NDF: 782.5/14

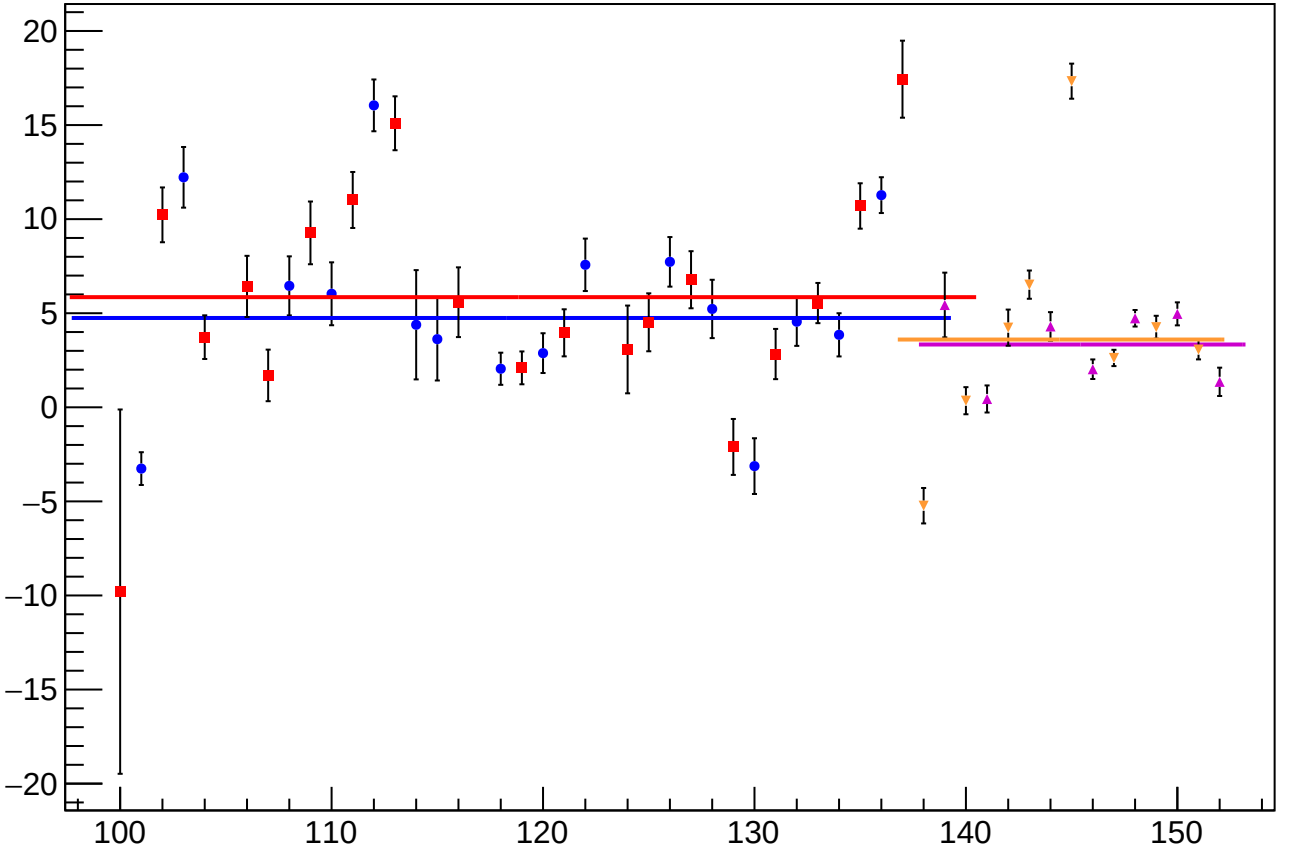
Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.558+/-0.237 χ^2/NDF:1525.6/22

Out: -38.834+/-0.232 χ^2/NDF:1524.2/26

All: -39.188+/-0.166 χ^2/NDF: 3054.6/49

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: 3.338+/-0.240 χ^2/NDF:49.8/6

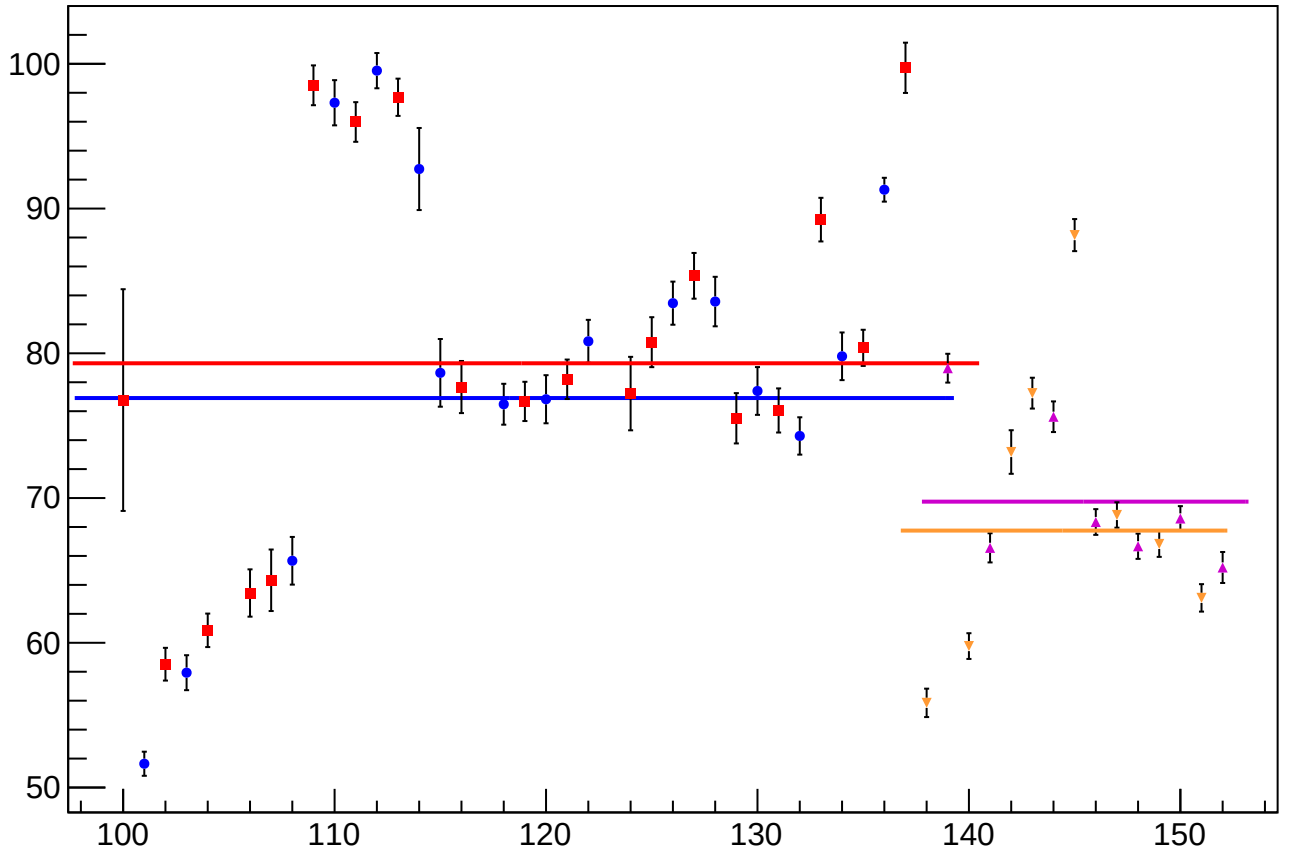
Left: 3.475+/-0.166 χ^2/NDF: 398.4/14

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 3.854+/-0.191 χ^2/NDF:336.2/22

Out: 4.360+/-0.188 χ^2/NDF:567.7/26

All: 4.111+/-0.134 χ^2/NDF: 907.5/49



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: 69.751+/-0.360 χ^2/NDF:161.4/6

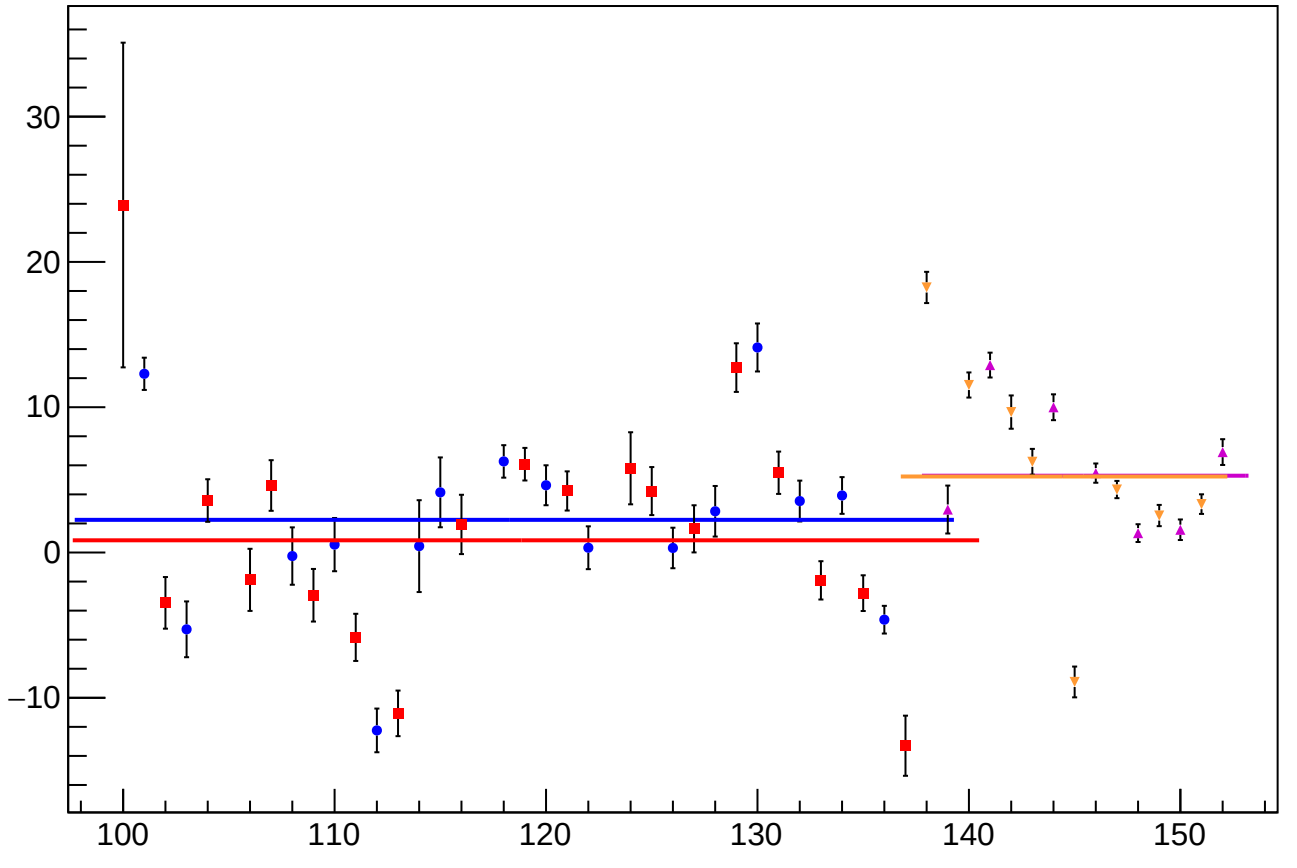
Left: 68.727+/-0.251 χ^2/NDF: 863.2/14

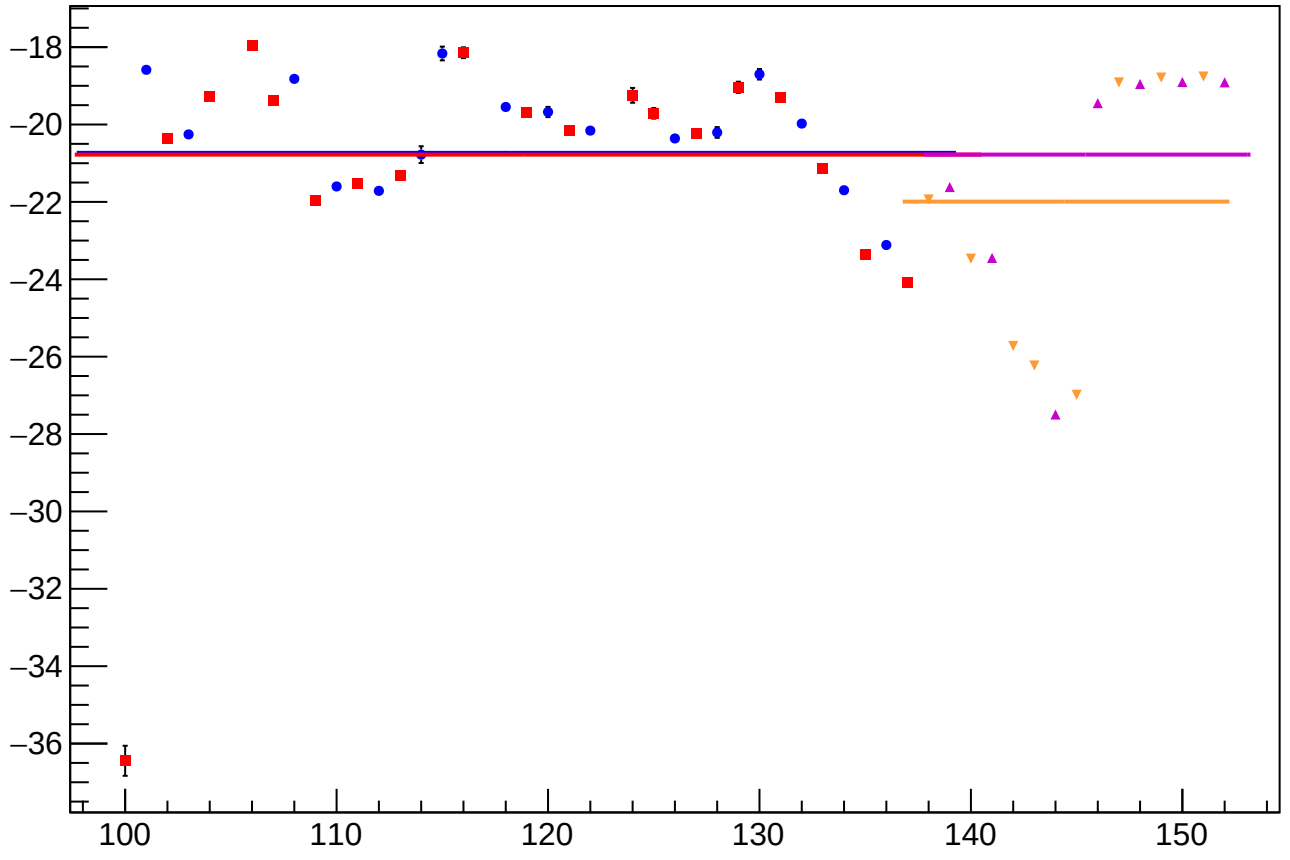
Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 73.568+/-0.246 χ^2/NDF:2488.1/22

Out: 73.588+/-0.247 χ^2/NDF:2729.1/26

All: 73.578+/-0.174 χ^2/NDF: 5217.2/49


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
Right In: 2.248+/-0.363 χ²/NDF: 319.6/15
Left Out: 5.232+/-0.288 χ²/NDF:417.6/7
Right Out: 0.840+/-0.372 χ²/NDF: 256.2/18
Left In: 5.286+/-0.299 χ²/NDF:182.1/6
Left: 5.258+/-0.207 χ²/NDF: 599.8/14
Right: 1.561+/-0.260 χ²/NDF: 583.2/34
In: 4.060+/-0.231 χ²/NDF:543.5/22
Out: 3.584+/-0.228 χ²/NDF:760.9/26
All: 3.819+/-0.162 χ²/NDF: 1306.5/49



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: -20.778+/-0.014 χ^2/NDF:34013.0/6

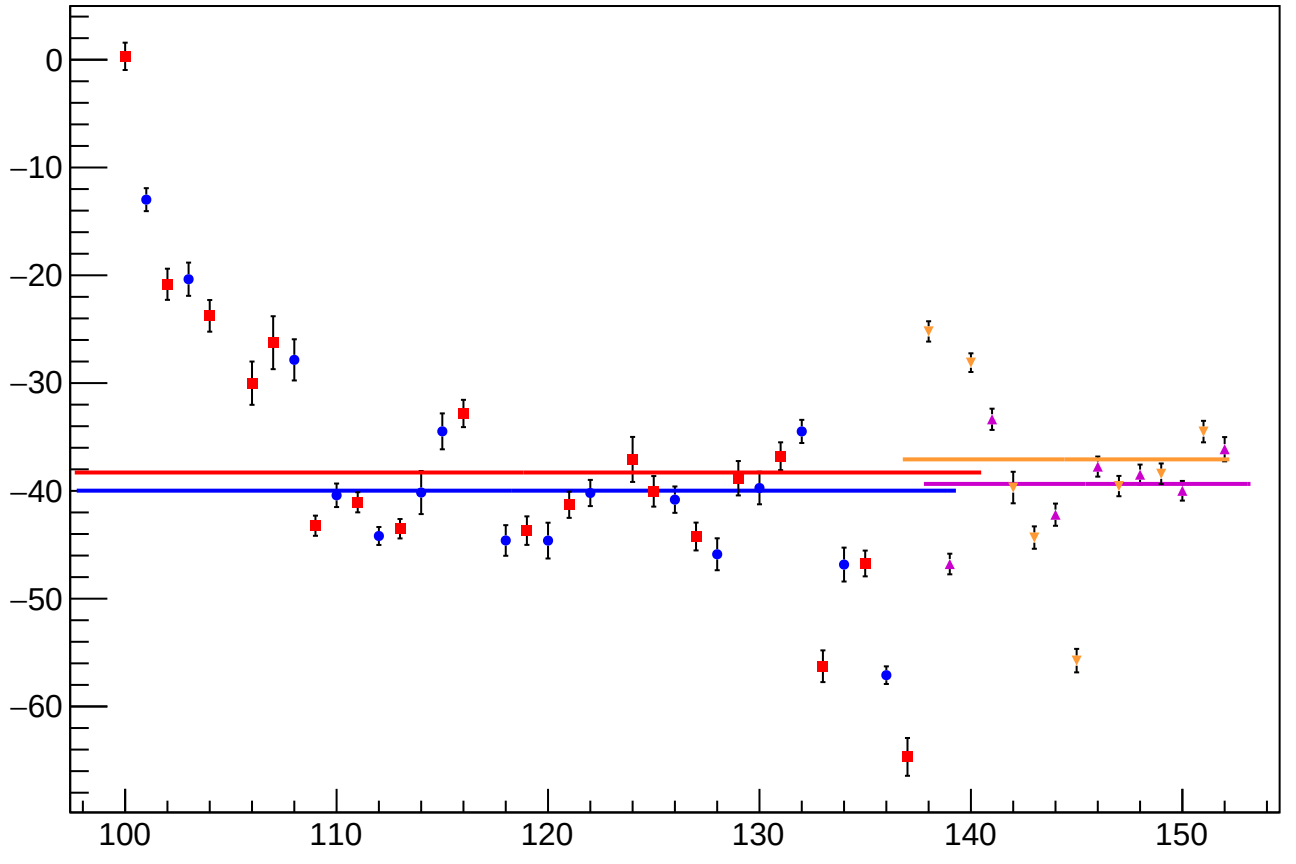
Left: -21.375+/-0.010 χ^2/NDF: 85749.4/14

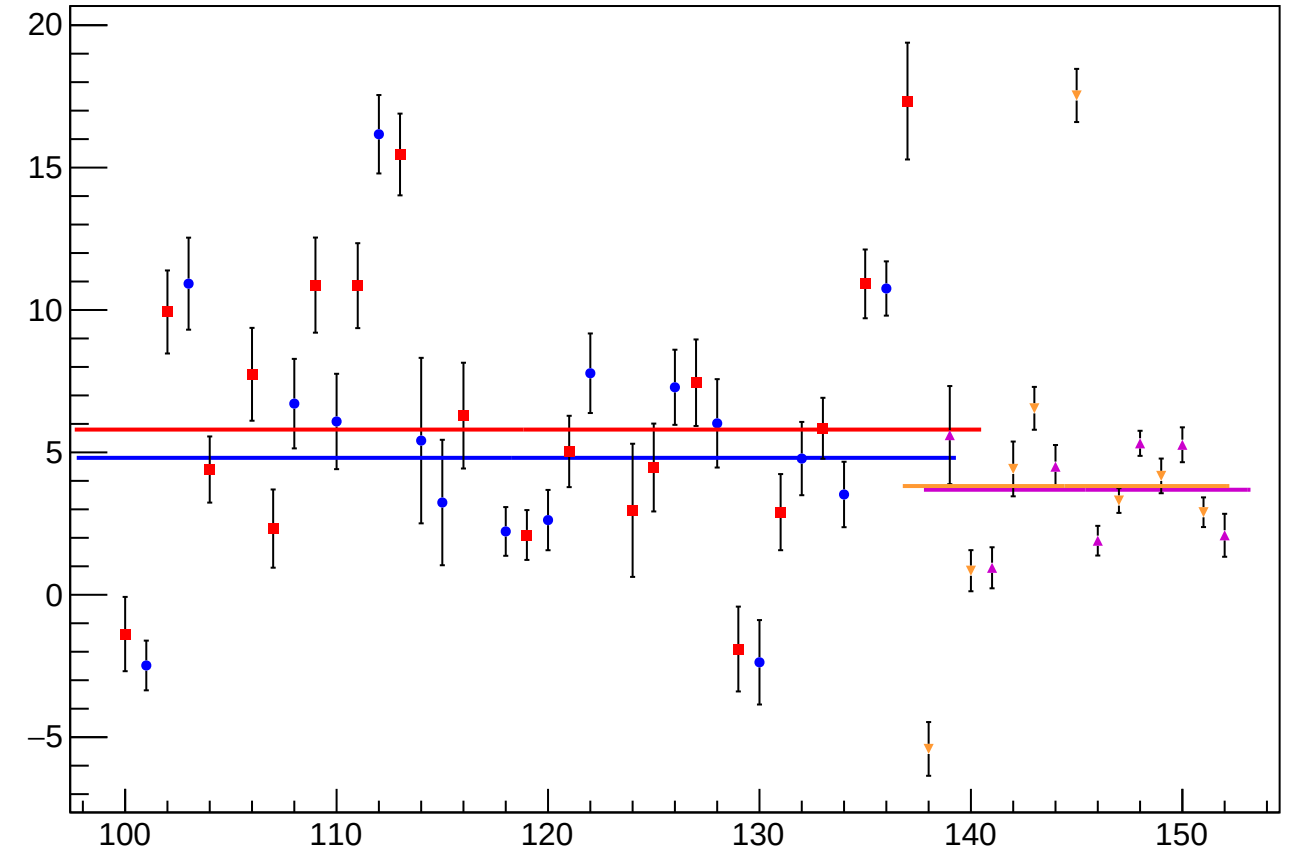
Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

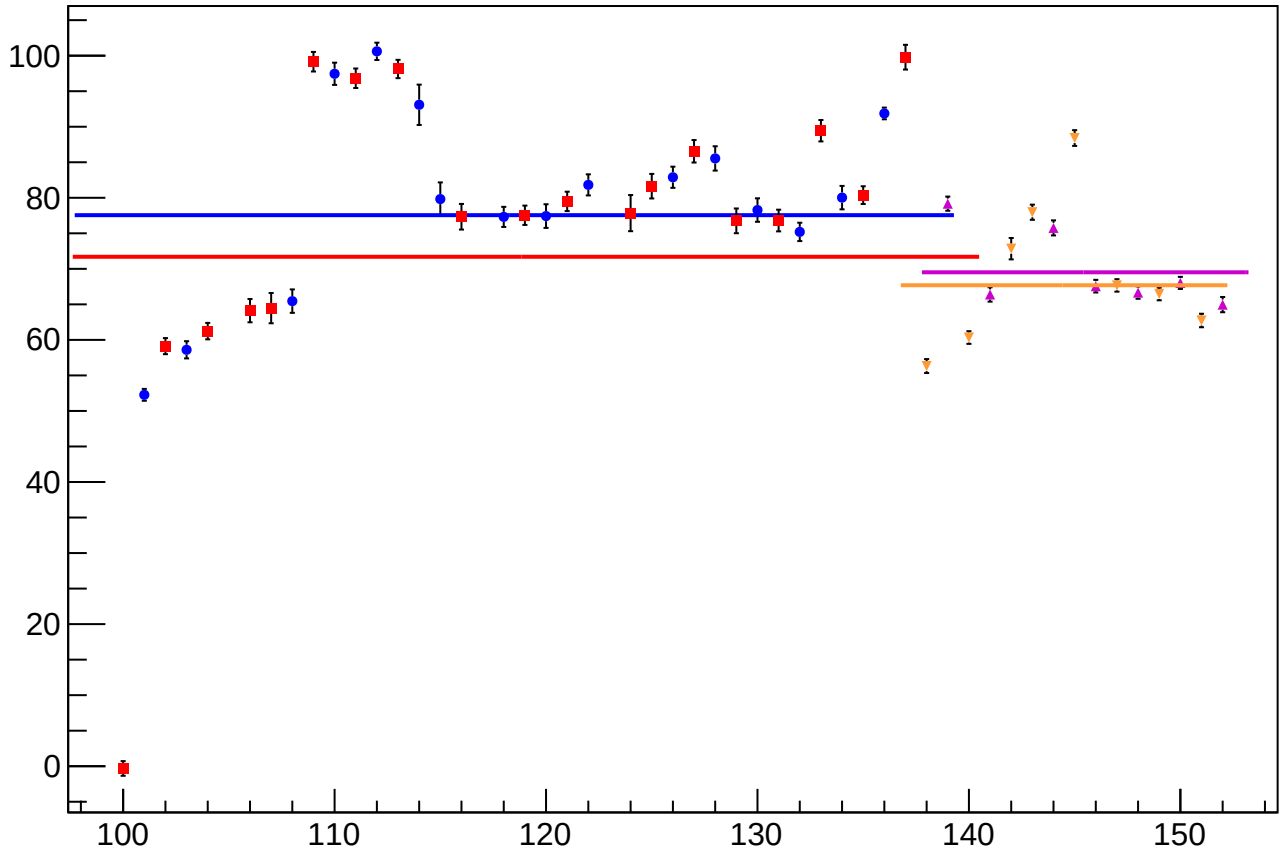
In: -20.762+/-0.012 χ^2/NDF:41650.6/22

Out: -21.575+/-0.012 χ^2/NDF:60027.9/26

All: -21.158+/-0.008 χ^2/NDF: 104090.6/49


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: -39.354+/-0.369 χ²/NDF:117.6/6
Left: -38.173+/-0.256 χ²/NDF: 764.1/14
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -39.719+/-0.238 χ²/NDF:1517.7/22
Out: -37.790+/-0.229 χ²/NDF:2407.4/26
All: -38.718+/-0.165 χ²/NDF: 3959.2/49


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: 3.688+/-0.241 χ²/NDF:53.5/6
Left: 3.756+/-0.167 χ²/NDF: 400.5/14
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 4.099+/-0.192 χ²/NDF:301.9/22
Out: 4.512+/-0.186 χ²/NDF:589.1/26
All: 4.311+/-0.134 χ²/NDF: 893.3/49



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: 69.514+/-0.361 χ^2/NDF:174.5/6

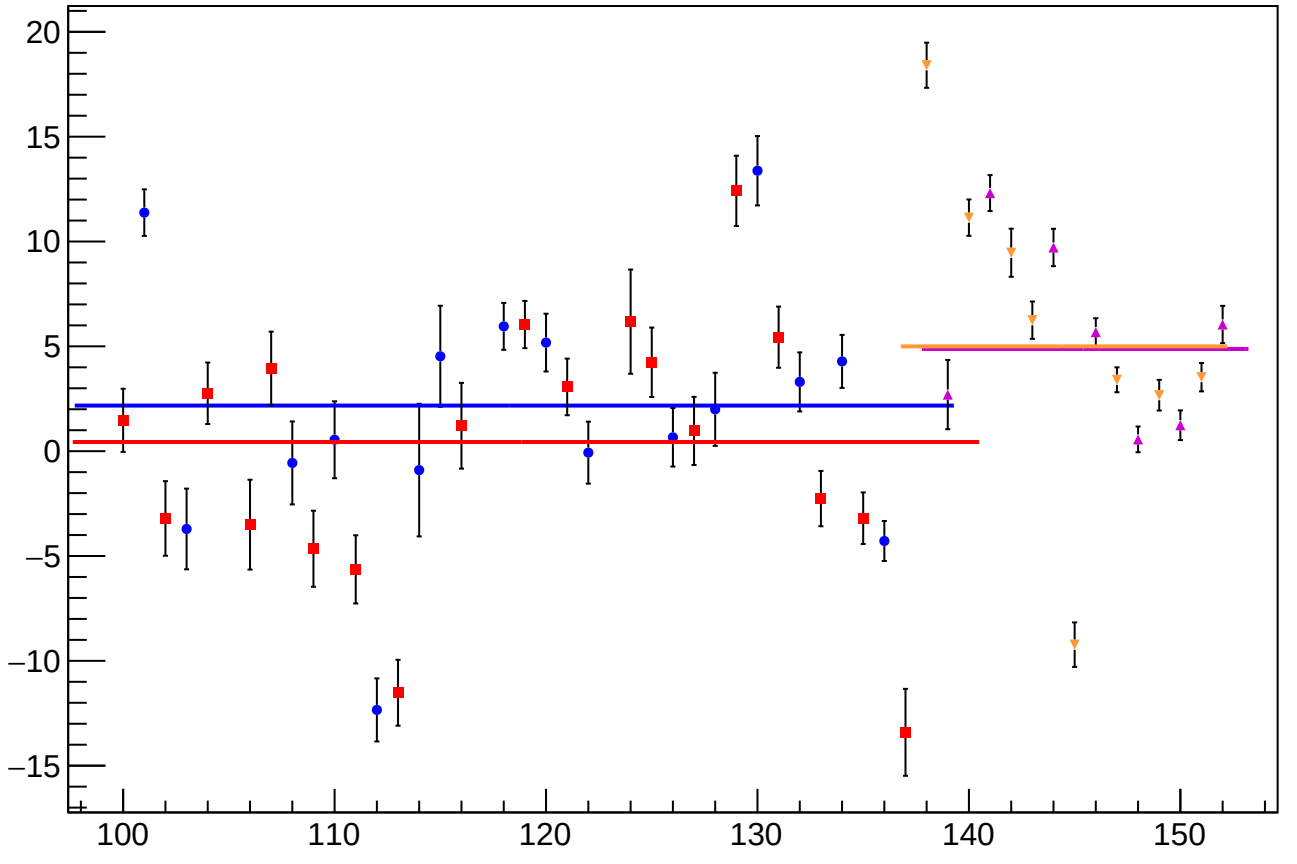
Left: 68.581+/-0.252 χ^2/NDF: 871.7/14

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 73.803+/-0.246 χ^2/NDF:2557.7/22

Out: 69.822+/-0.241 χ^2/NDF:7656.6/26

All: 71.767+/-0.172 χ^2/NDF: 10347.7/49



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: 4.874+/-0.299 χ^2/NDF:185.6/6

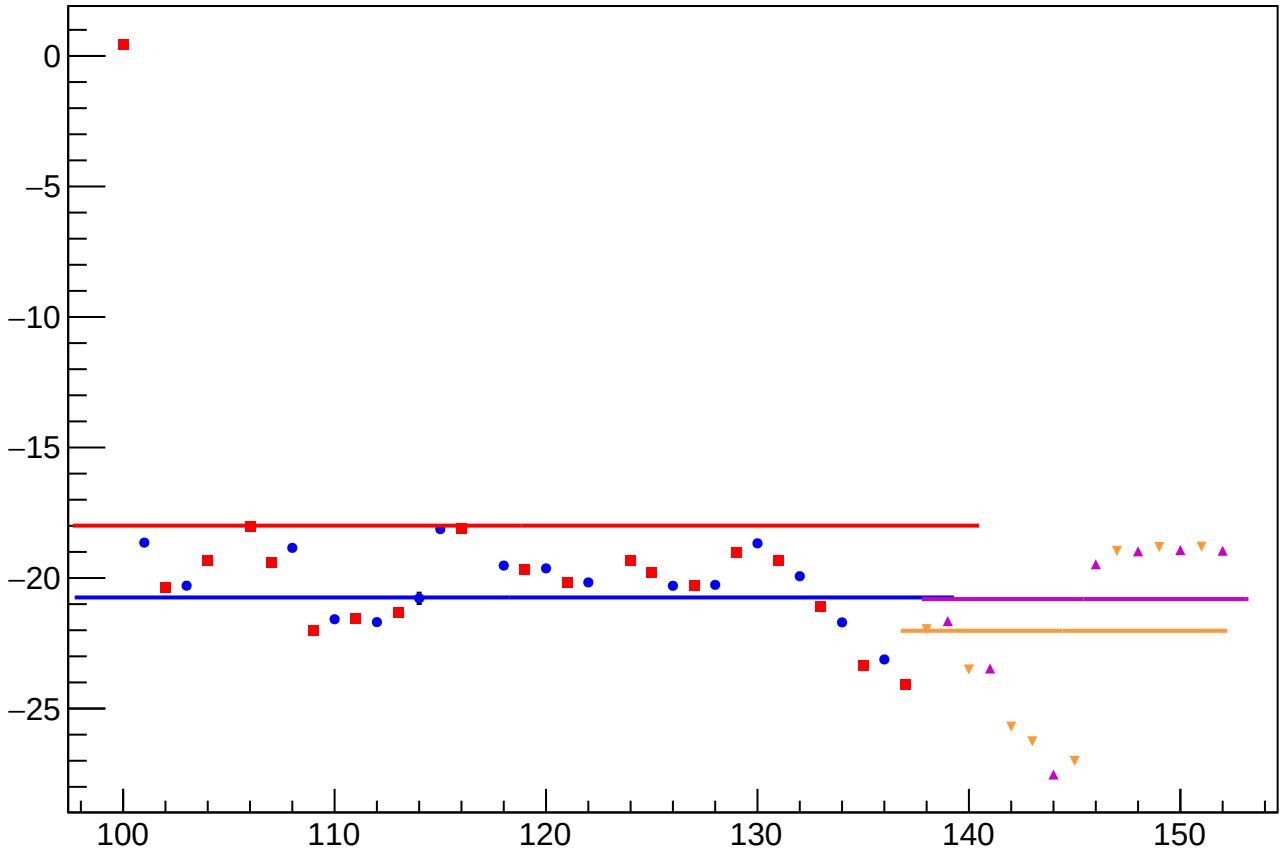
Left: 4.939+/-0.208 χ^2/NDF: 609.9/14

Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 3.785+/-0.231 χ^2/NDF:508.8/22

Out: 3.224+/-0.226 χ^2/NDF:775.4/26

All: 3.498+/-0.161 χ^2/NDF: 1287.2/49



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: -20.806+/-0.014 χ^2/NDF:33895.5/6

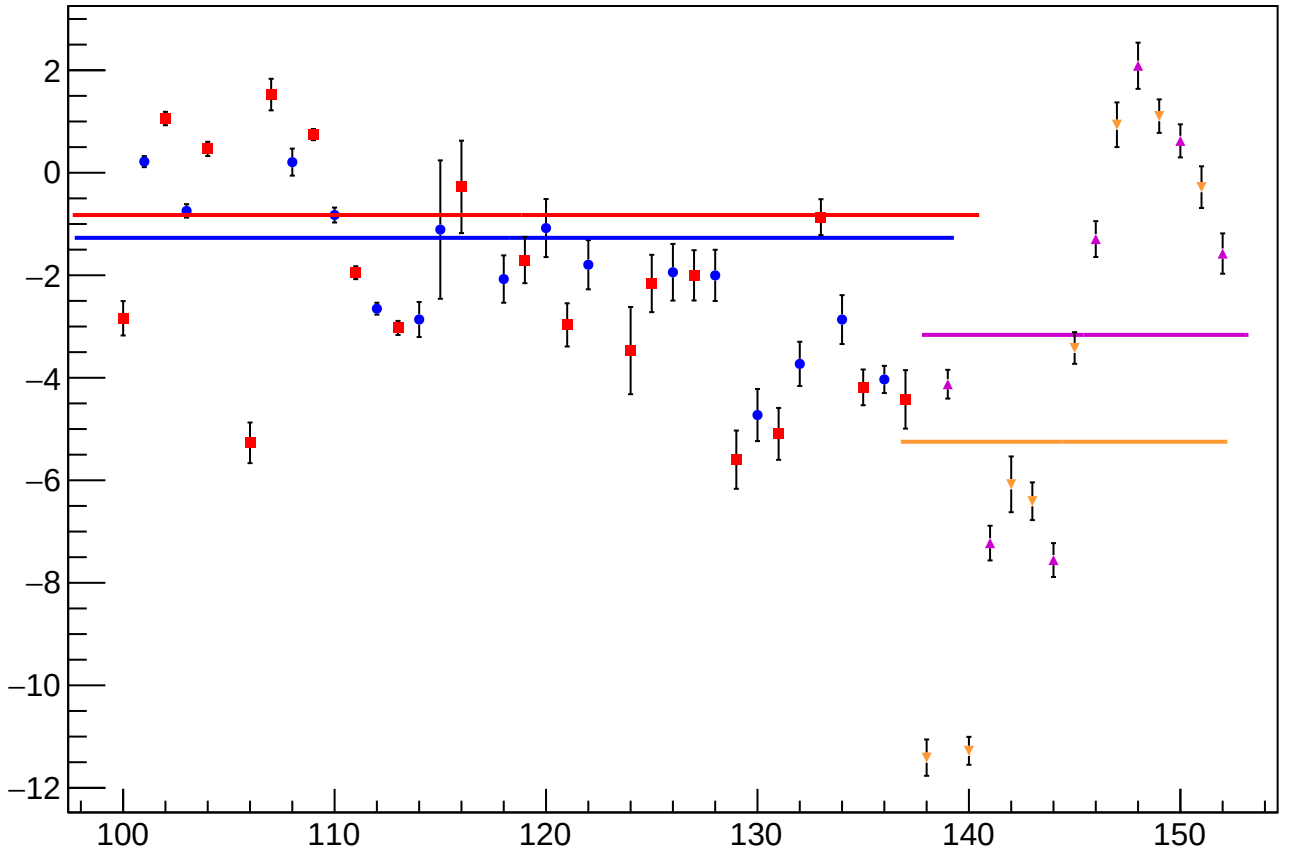
Left: -21.403+/-0.010 χ^2/NDF: 85220.4/14

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -20.784+/-0.012 χ^2/NDF:41415.5/22

Out: -20.506+/-0.012 χ^2/NDF:226813.6/26

All: -20.645+/-0.008 χ^2/NDF: 268517.5/49



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: -3.163+/-0.129 χ^2/NDF:650.9/6

Left: -4.236+/-0.090 χ^2/NDF: 2352.5/14

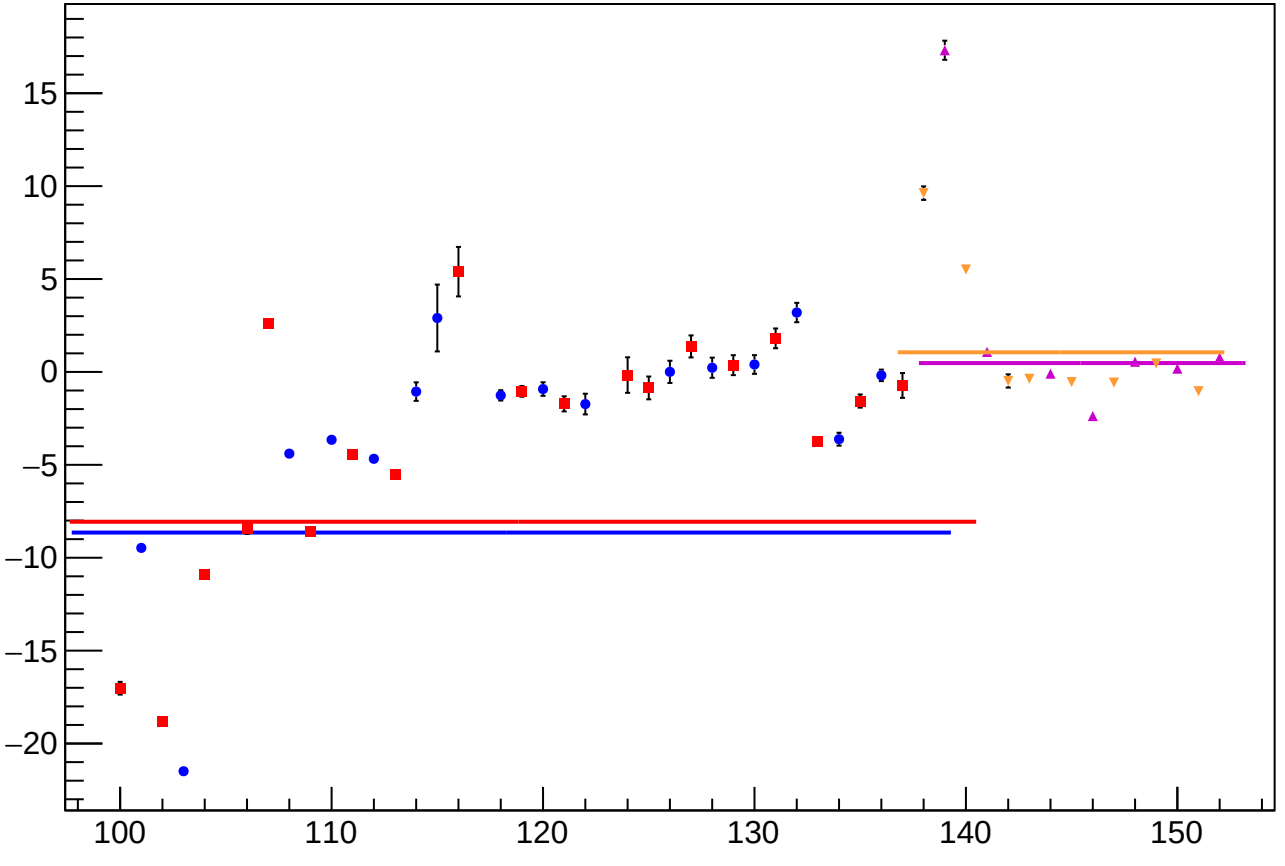
Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.555+/-0.050 χ^2/NDF:1449.3/22

Out: -1.452+/-0.047 χ^2/NDF:4016.5/26

All: -1.500+/-0.034 χ^2/NDF: 5468.0/49

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.477+/-0.093 χ^2/NDF:1262.1/6

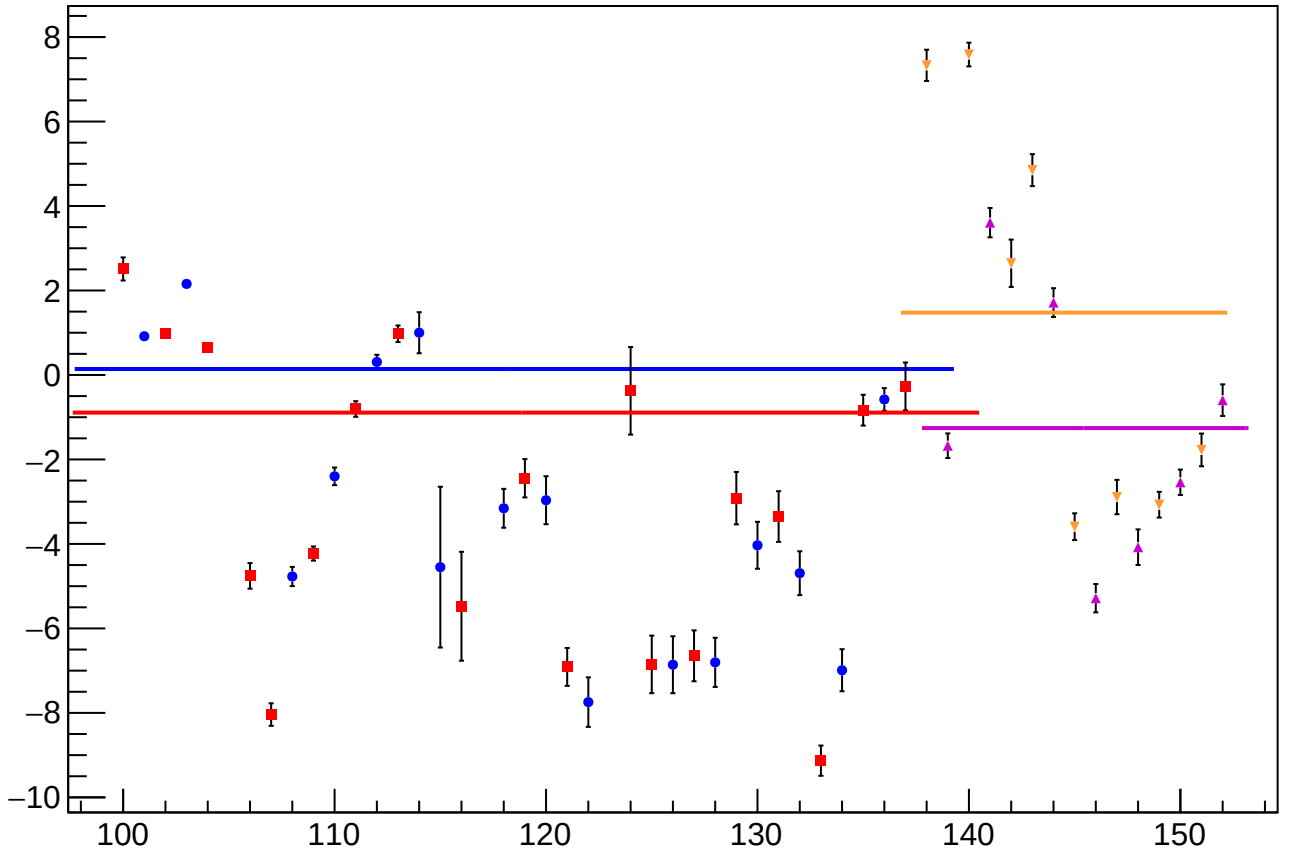
Left: 0.784+/-0.064 χ^2/NDF: 2456.4/14

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -6.164+/-0.049 χ^2/NDF:22069.7/22

Out: -5.329+/-0.048 χ^2/NDF:23141.5/26

All: -5.743+/-0.034 χ^2/NDF: 45360.4/49



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: -1.258+/-0.128 χ^2/NDF:483.6/6

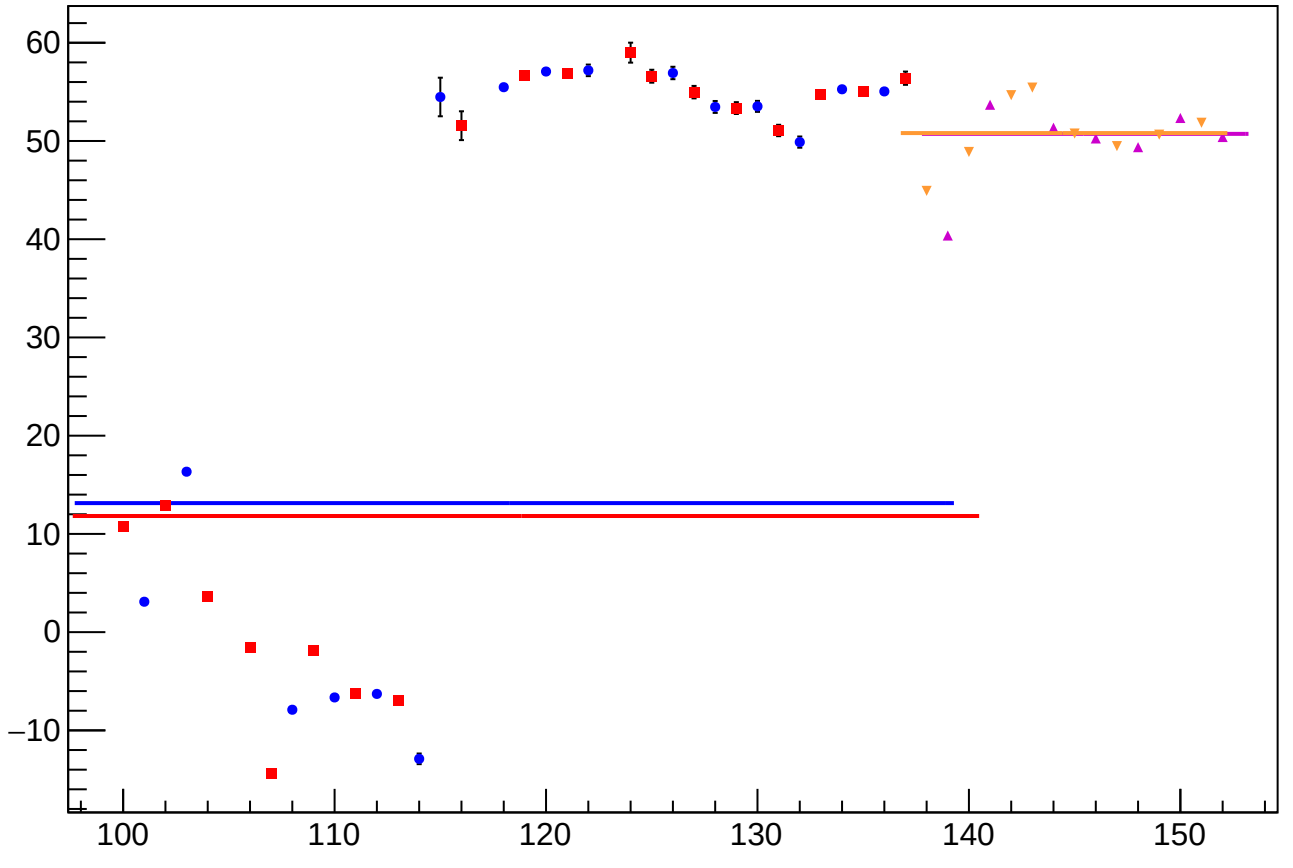
Left: 0.135+/-0.089 χ^2/NDF: 2189.9/14

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: -0.064+/-0.049 χ^2/NDF:2545.7/22

Out: -0.525+/-0.049 χ^2/NDF:4760.1/26

All: -0.292+/-0.035 χ^2/NDF: 7349.9/49



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: 50.724+/-0.112 χ^2/NDF:609.2/6

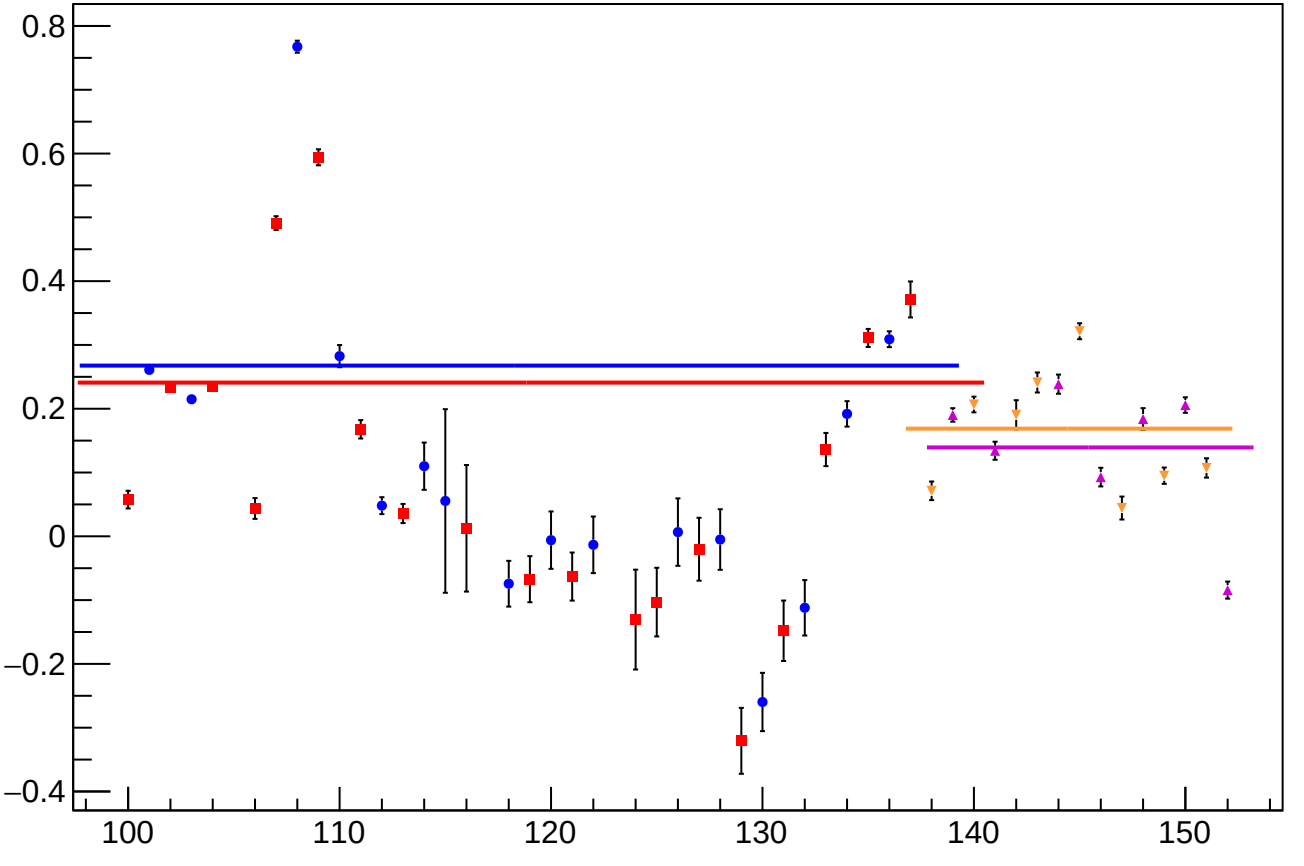
Left: 50.766+/-0.077 χ^2/NDF: 1196.4/14

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 23.236+/-0.058 χ^2/NDF:191419.6/22

Out: 22.975+/-0.057 χ^2/NDF:213198.7/26

All: 23.103+/-0.041 χ^2/NDF: 404628.6/49



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.169+/-0.005 χ^2/NDF:323.0/7

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.139+/-0.005 χ^2/NDF:393.3/6

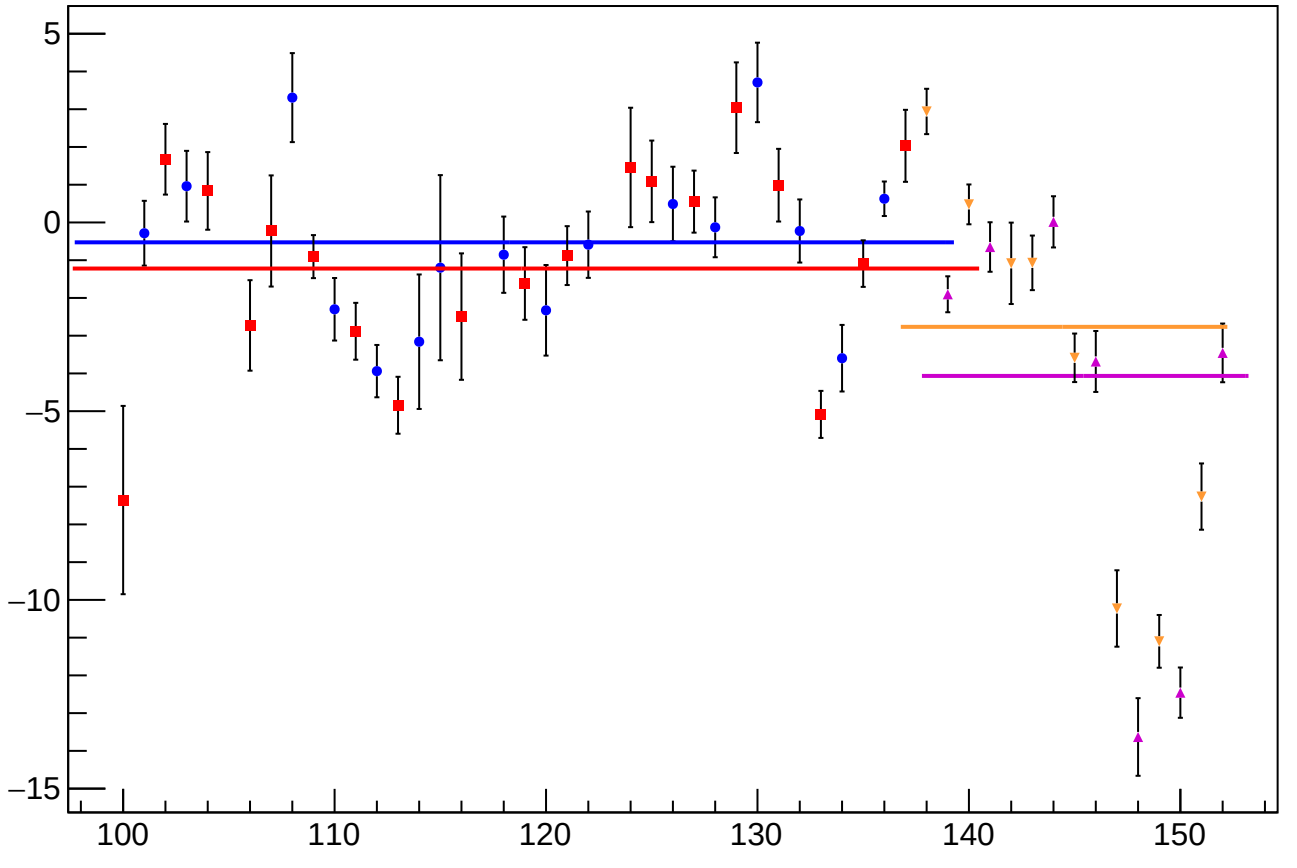
Left: 0.154+/-0.004 χ^2/NDF: 732.8/14

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.238+/-0.002 χ^2/NDF:4604.1/22

Out: 0.225+/-0.002 χ^2/NDF:2813.6/26

All: 0.231+/-0.002 χ^2/NDF: 7431.2/49



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: -4.066+/-0.256 χ^2/NDF:329.9/6

Left: -3.404+/-0.179 χ^2/NDF: 703.3/14

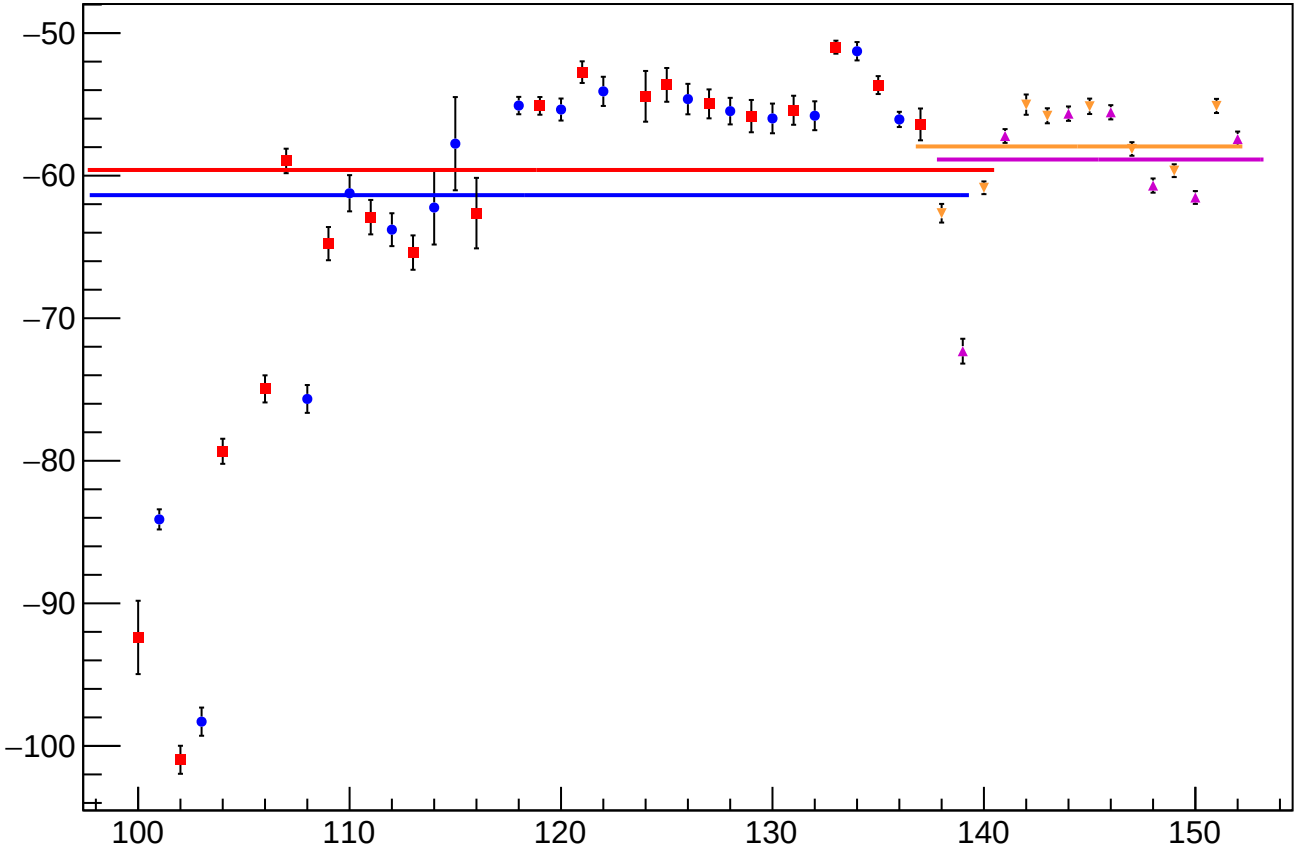
Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -2.009+/-0.165 χ^2/NDF:523.9/22

Out: -1.838+/-0.159 χ^2/NDF:514.0/26

All: -1.919+/-0.114 χ^2/NDF: 1038.5/49

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: -58.867+/-0.196 χ^2/NDF:390.2/6

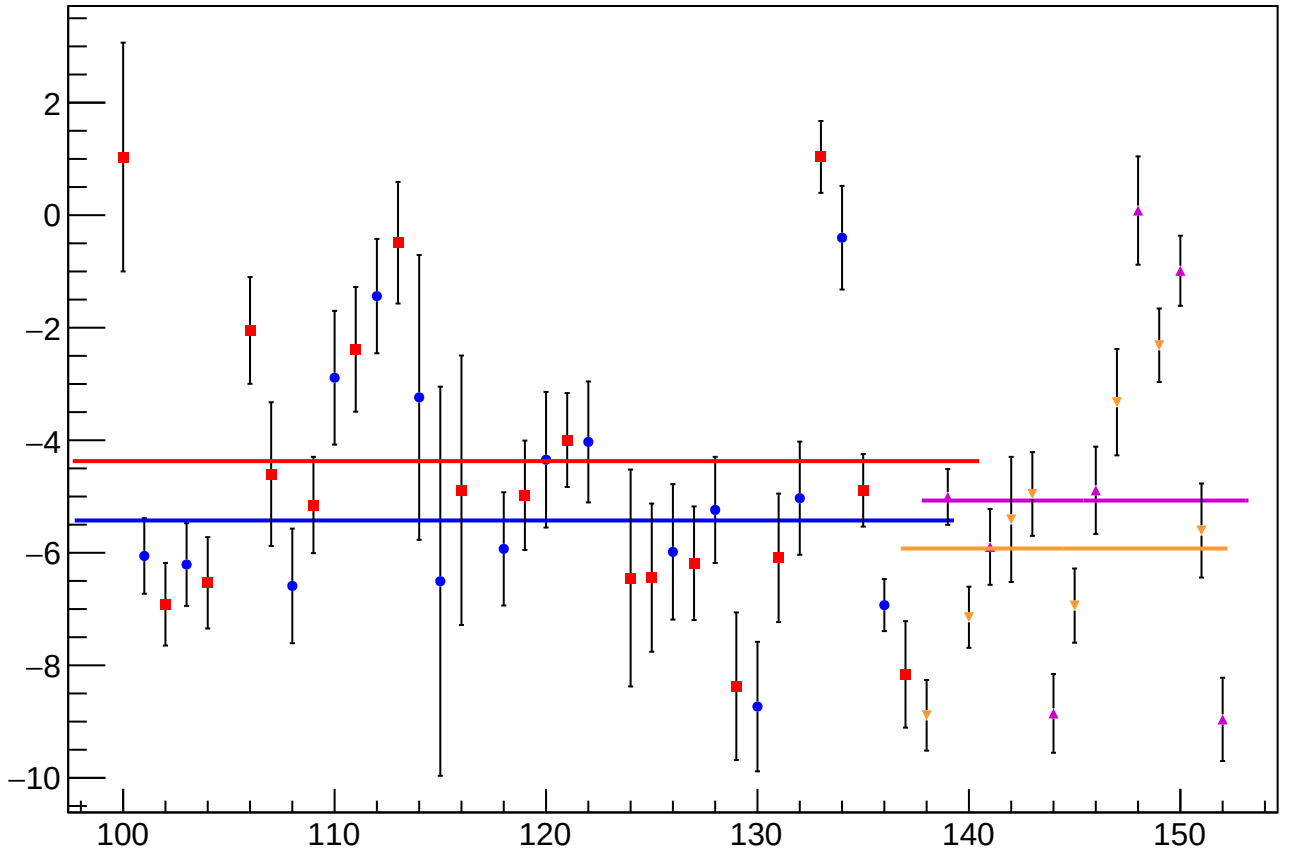
Left: -58.379+/-0.134 χ^2/NDF: 603.3/14

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -59.977+/-0.146 χ^2/NDF:3813.8/22

Out: -58.677+/-0.137 χ^2/NDF:3658.5/26

All: -59.287+/-0.100 χ^2/NDF: 7514.5/49



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: -5.071+/-0.254 χ^2/NDF:130.1/6

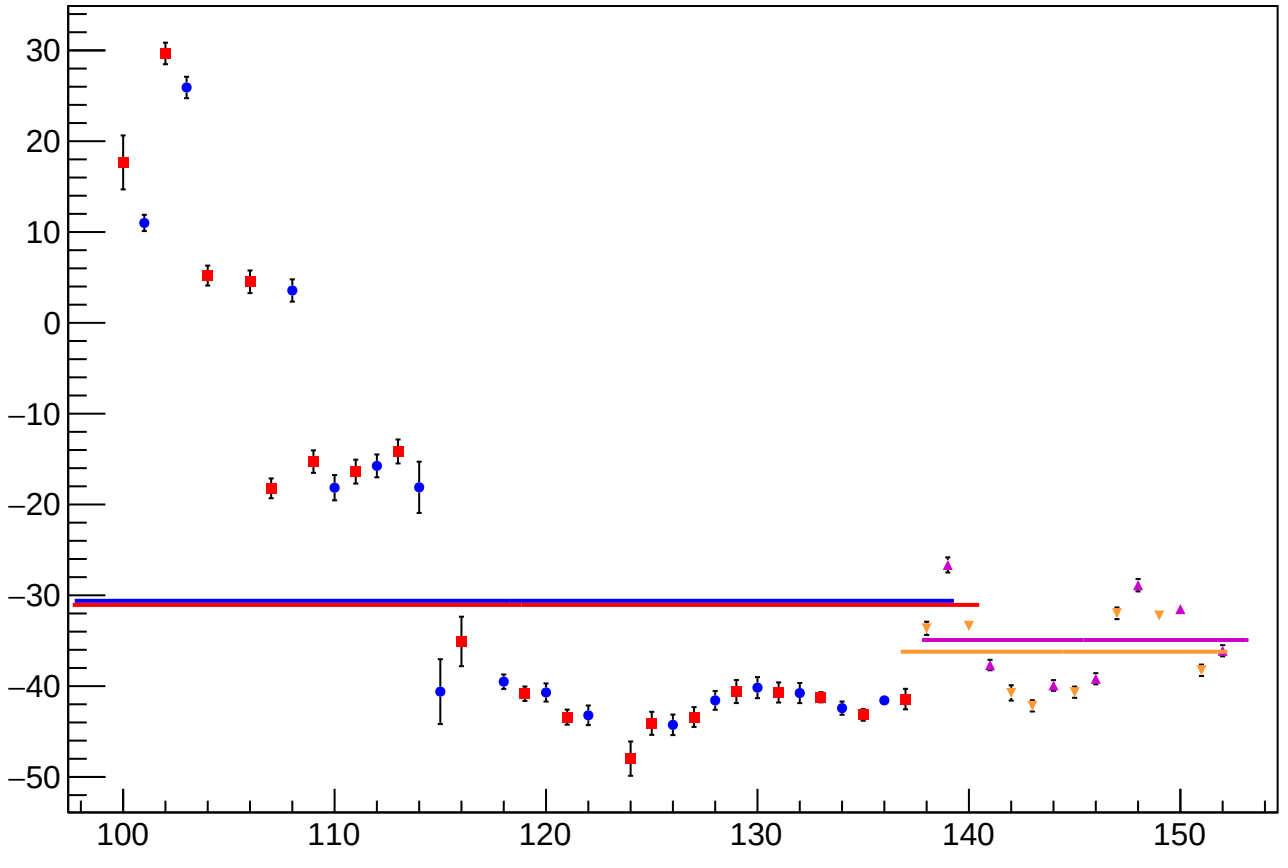
Left: -5.501+/-0.179 χ^2/NDF: 205.7/14

Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -5.266+/-0.171 χ^2/NDF:207.1/22

Out: -5.051+/-0.167 χ^2/NDF:247.9/26

All: -5.156+/-0.119 χ^2/NDF: 455.9/49



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: -34.922+/-0.233 χ^2/NDF:365.5/6

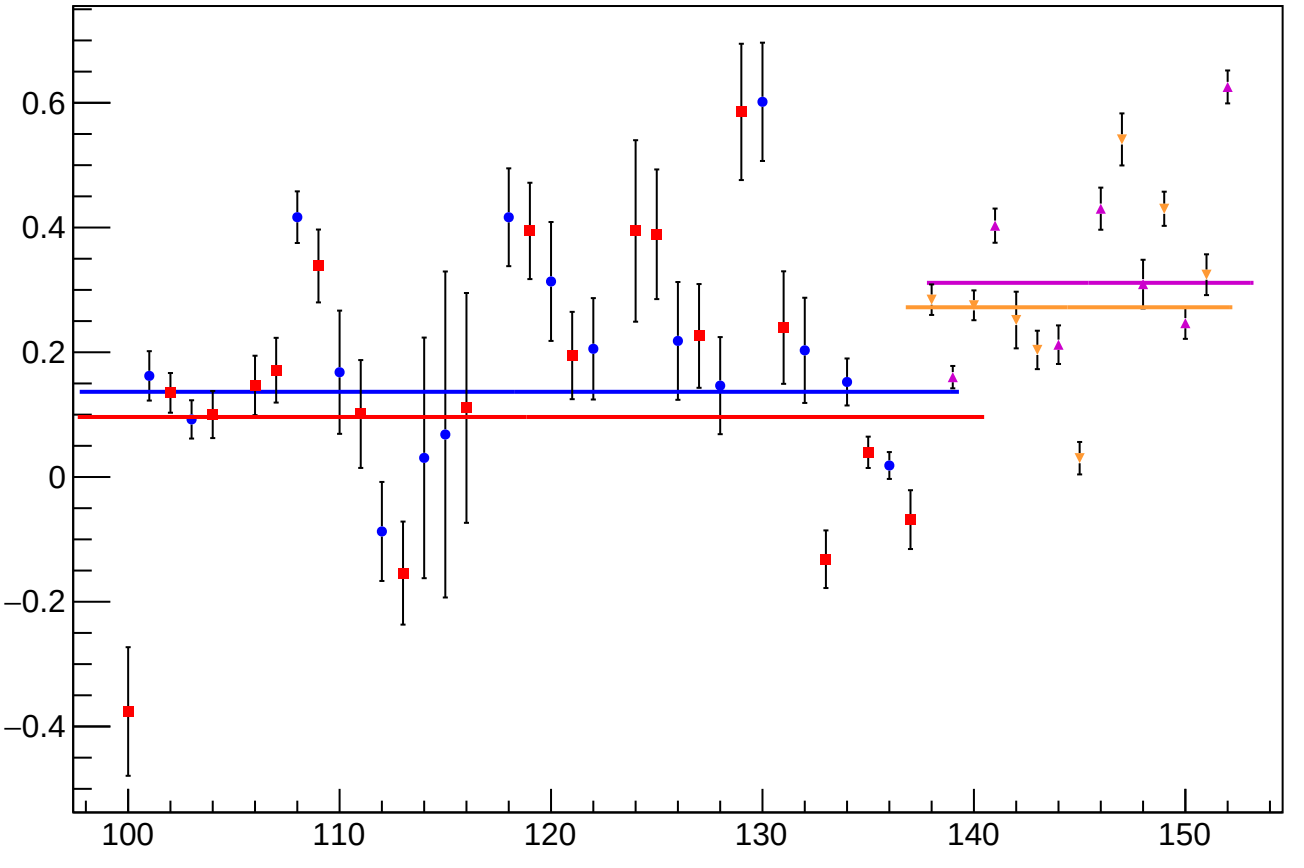
Left: -35.599+/-0.160 χ^2/NDF: 704.0/14

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -32.914+/-0.170 χ^2/NDF:7463.9/22

Out: -33.818+/-0.162 χ^2/NDF:7550.6/26

All: -33.388+/-0.117 χ^2/NDF: 15029.3/49



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: 0.311+/-0.010 χ^2/NDF:253.2/6

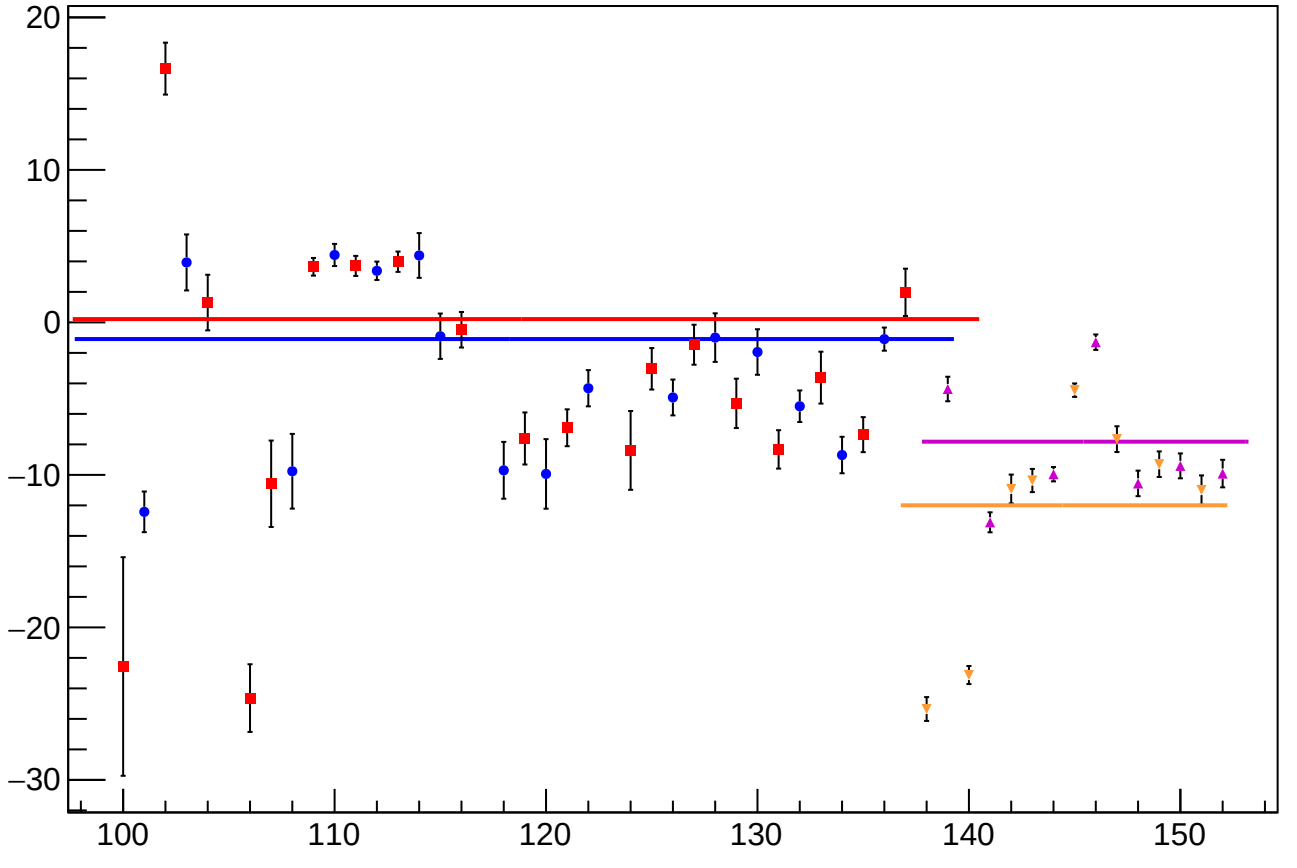
Left: 0.293+/-0.007 χ^2/NDF: 429.9/14

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.243+/-0.008 χ^2/NDF:501.7/22

Out: 0.199+/-0.008 χ^2/NDF:435.9/26

All: 0.222+/-0.006 χ^2/NDF: 953.3/49



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: -7.822+/-0.247 χ^2/NDF:289.6/6

Left: -9.904+/-0.175 χ^2/NDF: 1413.6/14

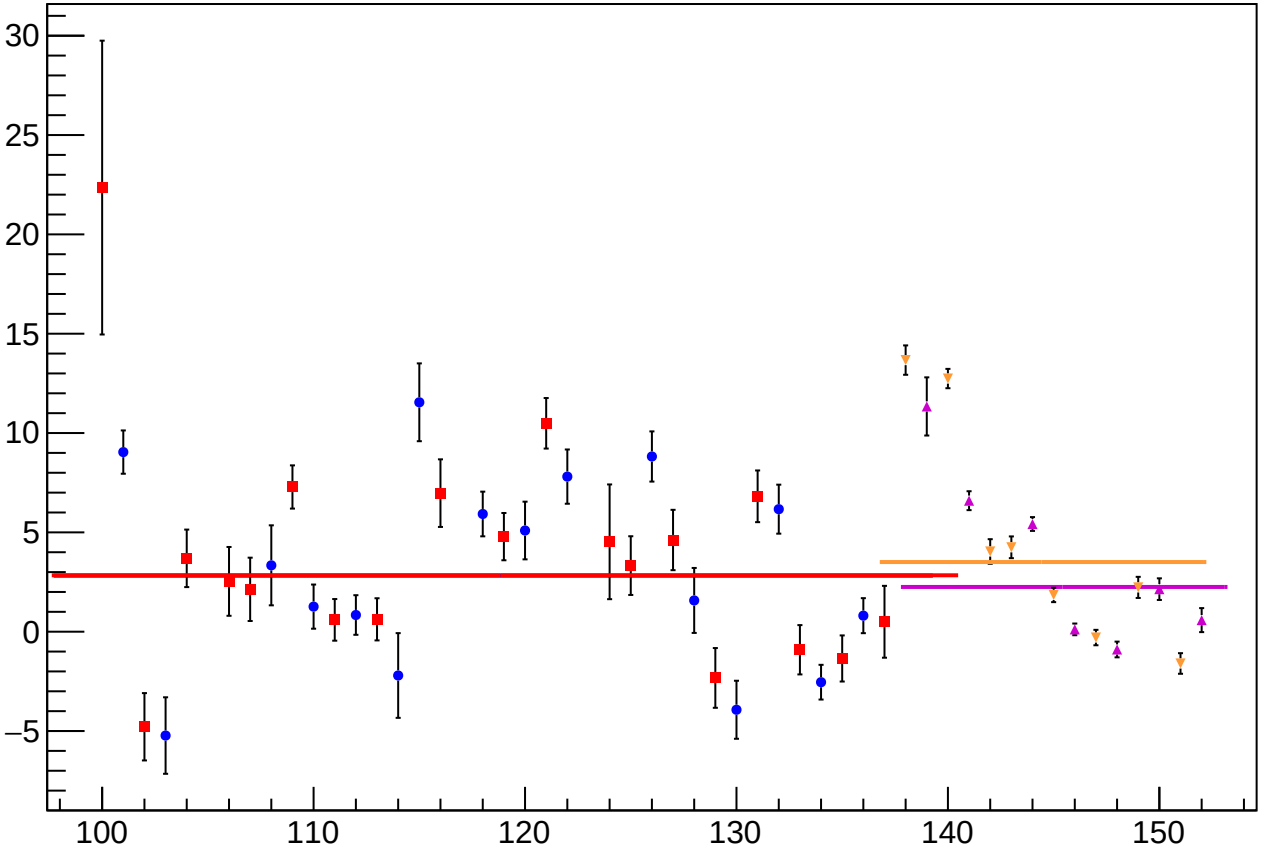
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -4.887+/-0.185 χ^2/NDF:946.0/22

Out: -6.340+/-0.181 χ^2/NDF:2631.9/26

All: -5.630+/-0.130 χ^2/NDF: 3609.4/49

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.507+/-0.173 χ^2/NDF:771.7/7

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 2.252+/-0.164 χ^2/NDF:329.0/6

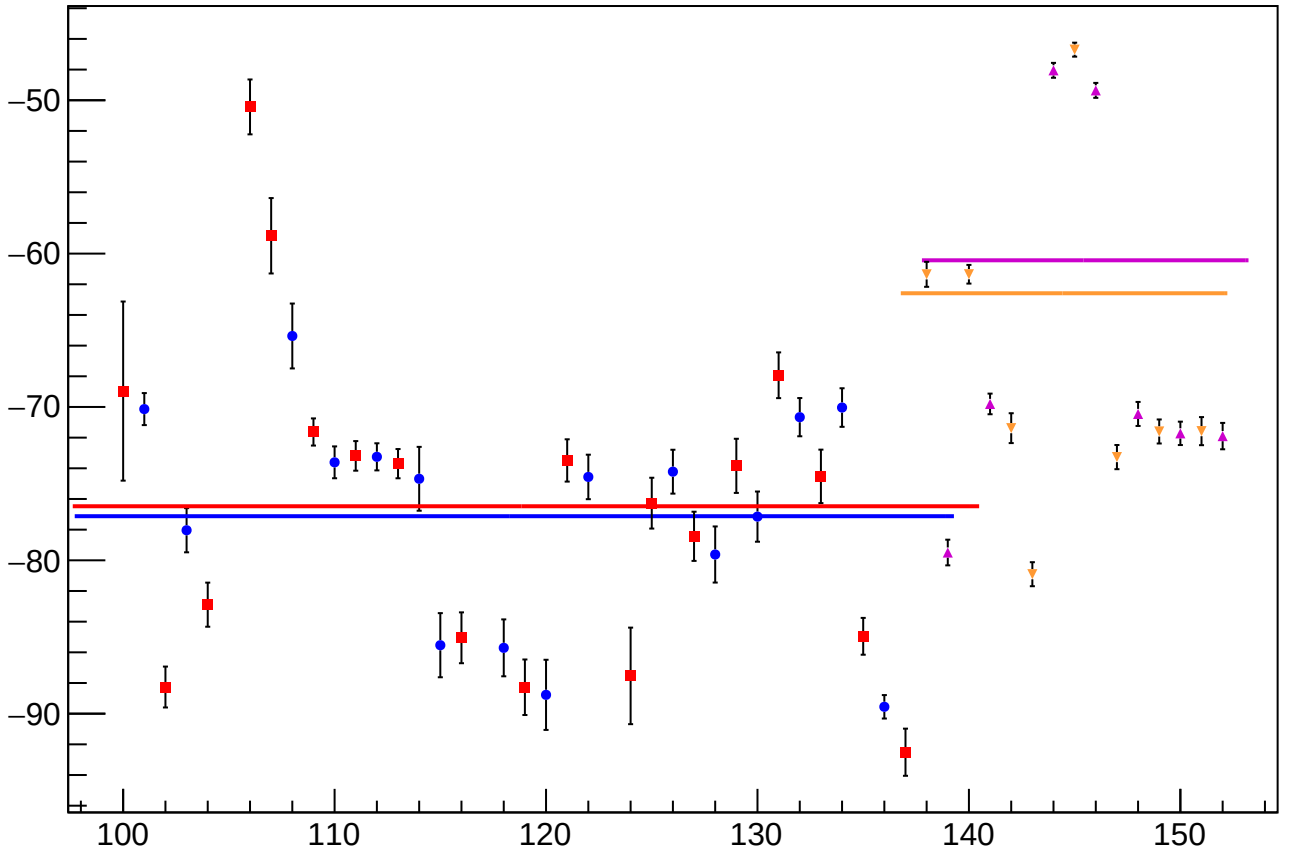
Left: 2.847+/-0.119 χ^2/NDF: 1128.4/14

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 2.375+/-0.145 χ^2/NDF:531.2/22

Out: 3.358+/-0.152 χ^2/NDF:920.0/26

All: 2.844+/-0.105 χ^2/NDF: 1473.0/49



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: -60.436+/-0.244 χ^2/NDF:2439.6/6

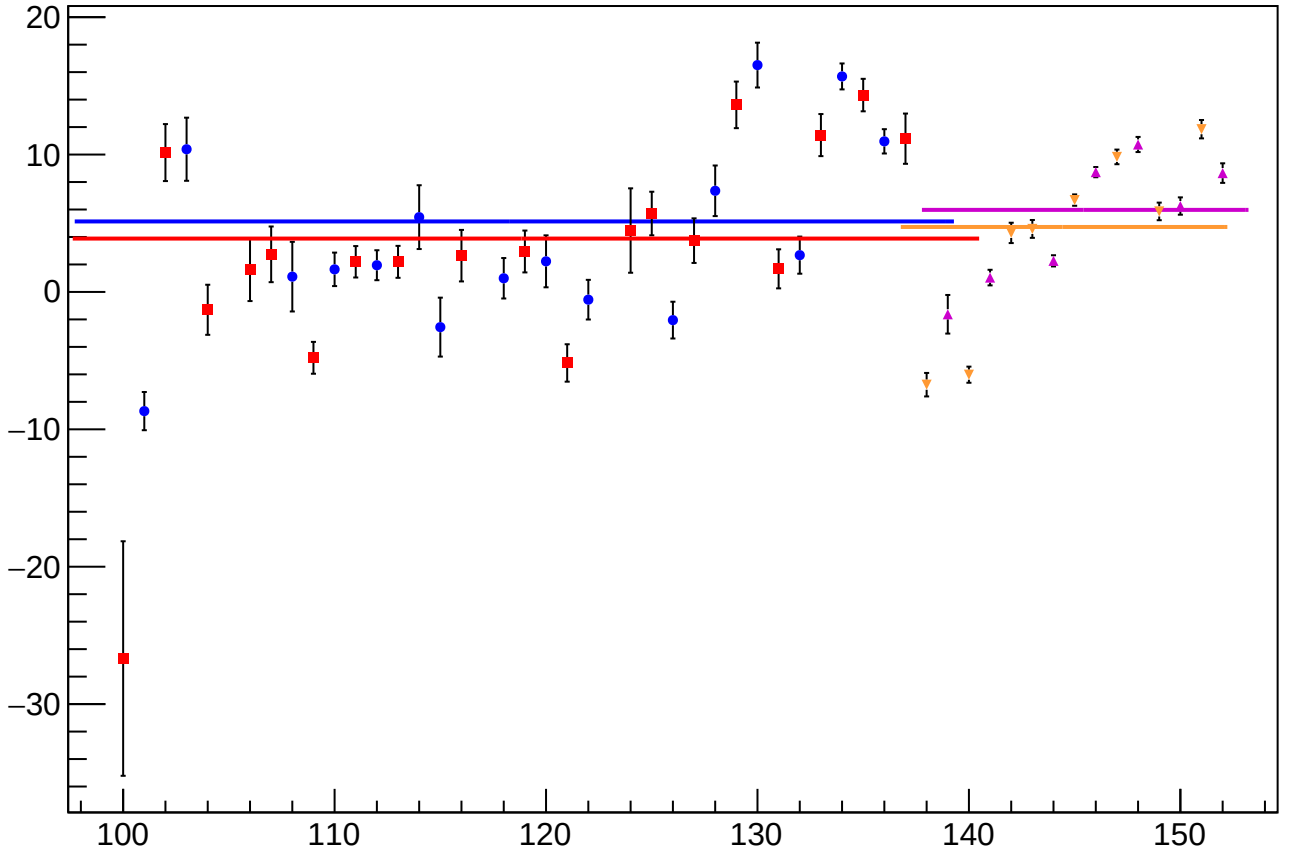
Left: -61.490+/-0.174 χ^2/NDF: 4740.7/14

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -66.423+/-0.195 χ^2/NDF:4620.0/22

Out: -67.652+/-0.198 χ^2/NDF:4094.7/26

All: -67.028+/-0.139 χ^2/NDF: 8734.1/49



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: 5.973+/-0.201 χ^2/NDF:331.2/6

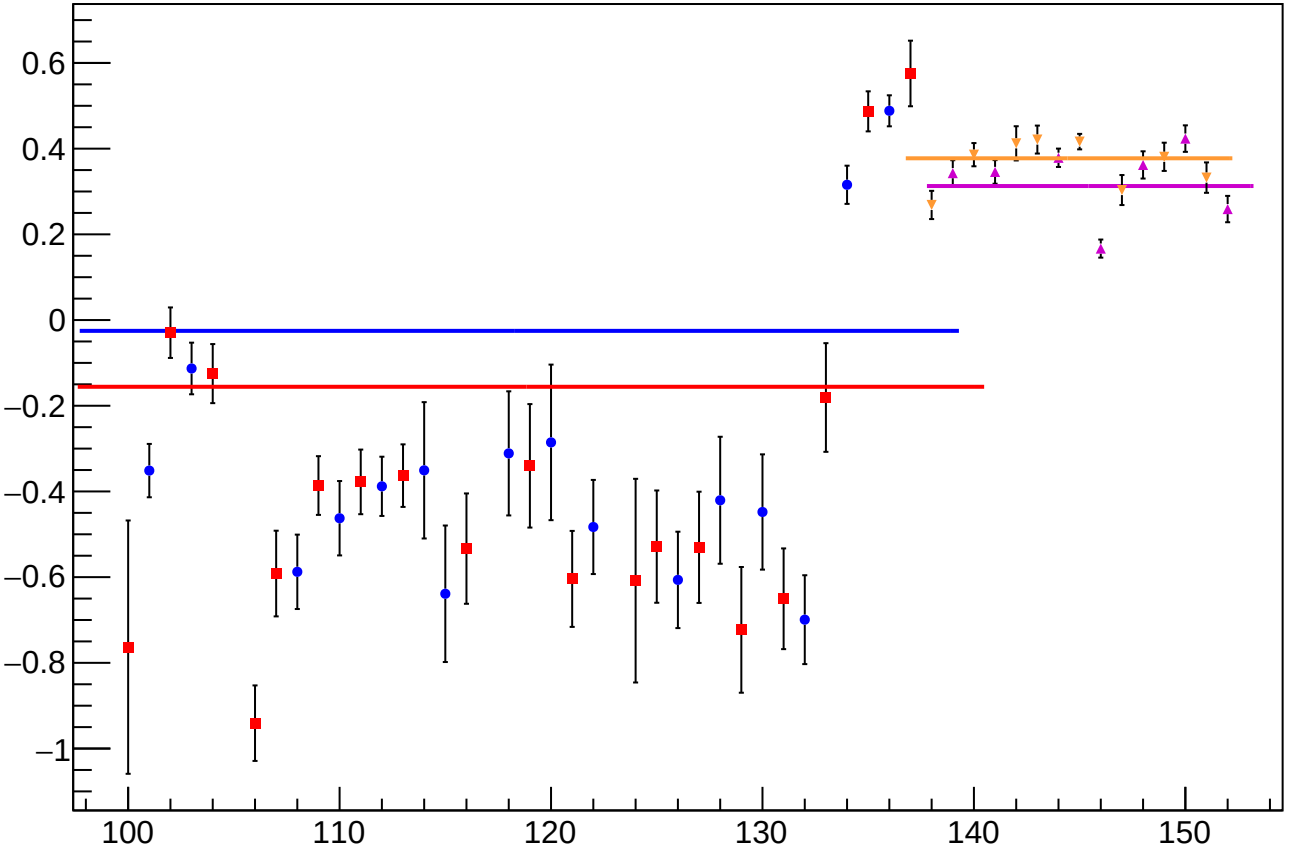
Left: 5.379+/-0.146 χ^2/NDF: 1096.4/14

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 5.764+/-0.175 χ^2/NDF:747.8/22

Out: 4.515+/-0.182 χ^2/NDF:1042.6/26

All: 5.166+/-0.126 χ^2/NDF: 1814.9/49



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: 0.313+/-0.010 χ^2/NDF:78.0/6

Left: 0.344+/-0.007 χ^2/NDF: 122.6/14

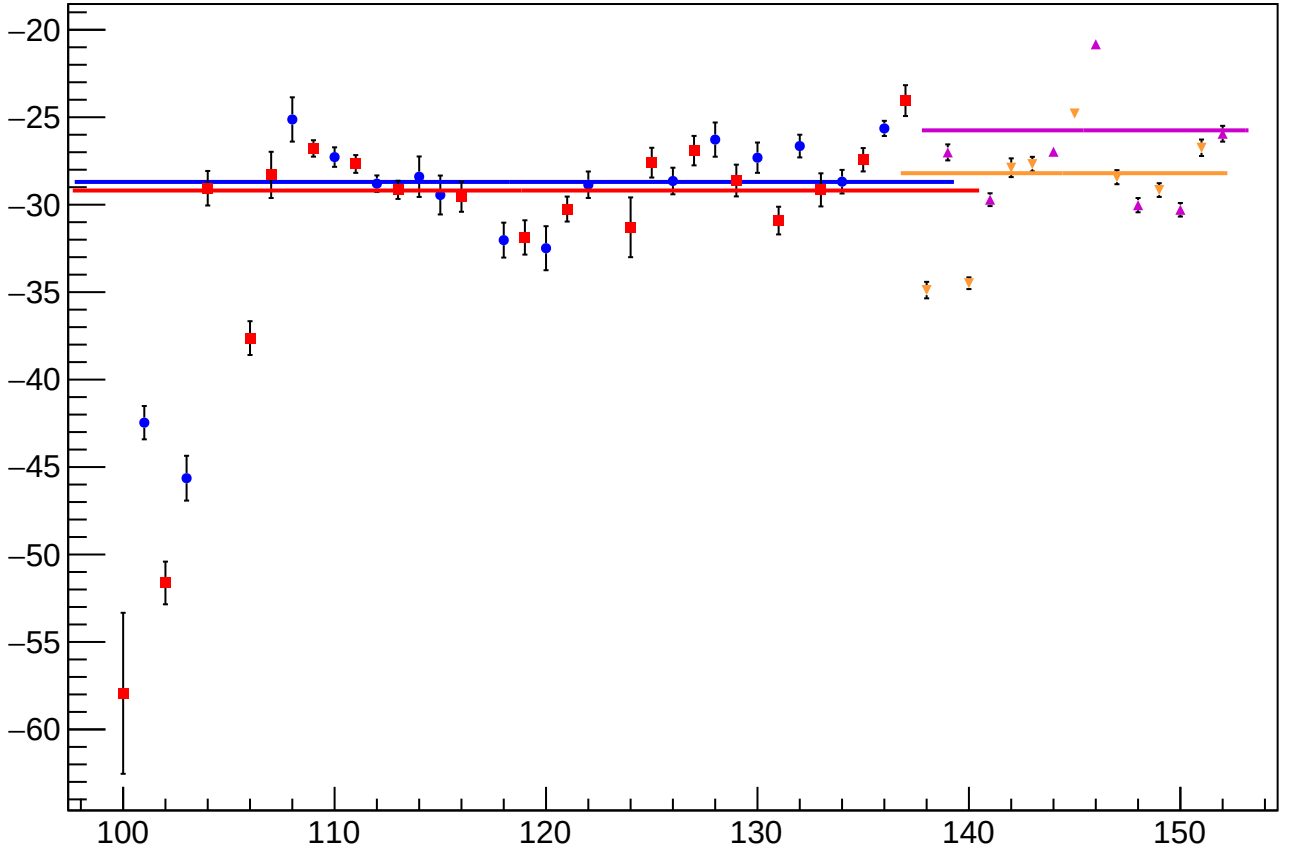
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.239+/-0.009 χ^2/NDF:839.1/22

Out: 0.268+/-0.009 χ^2/NDF:1071.9/26

All: 0.253+/-0.006 χ^2/NDF: 1916.1/49

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.199+/-0.125 χ^2/NDF:855.6/7

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -25.750+/-0.117 χ^2/NDF:970.5/6

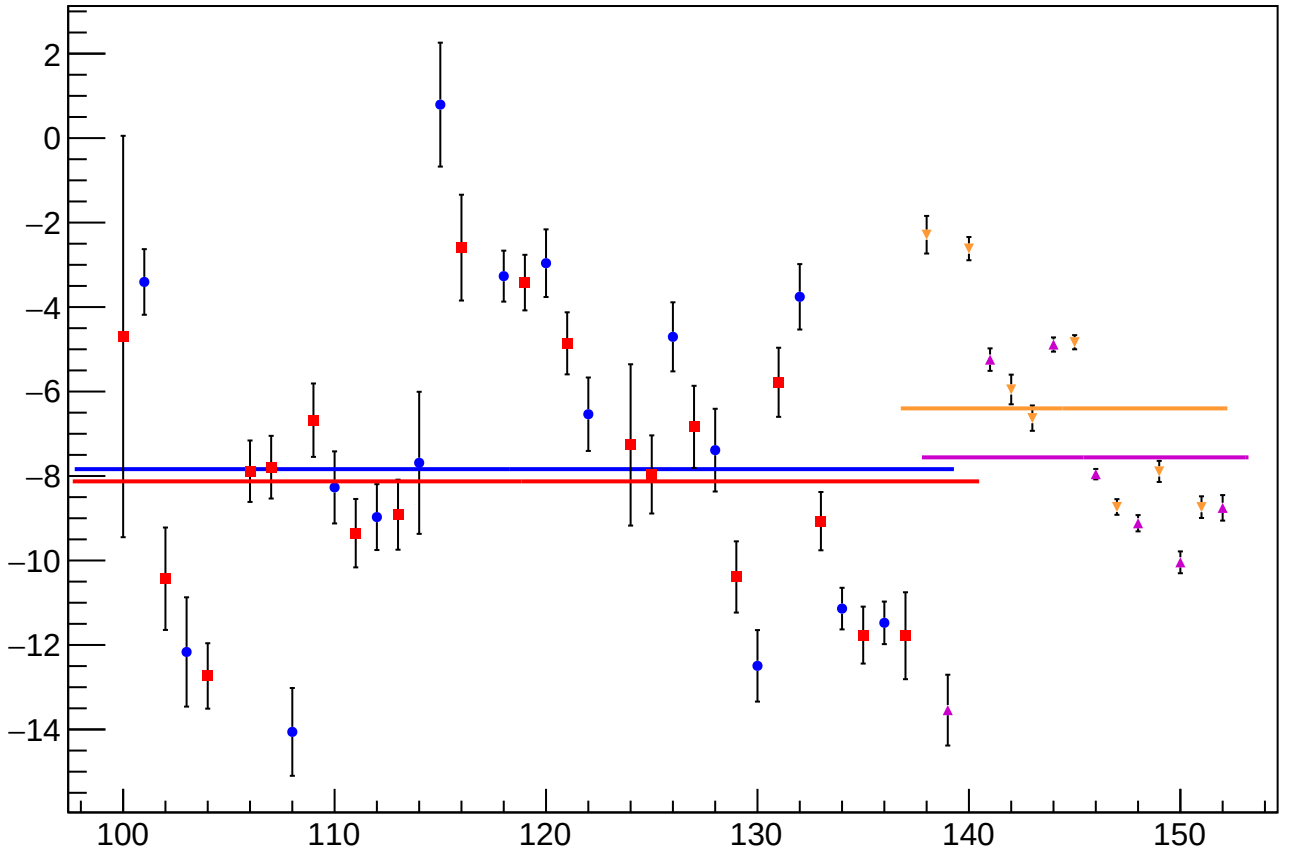
Left: -26.899+/-0.086 χ^2/NDF: 2030.3/14

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.591+/-0.099 χ^2/NDF:1637.7/22

Out: -28.518+/-0.103 χ^2/NDF:1433.1/26

All: -27.520+/-0.071 χ^2/NDF: 3252.6/49



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: -7.558+/-0.077 χ^2/NDF:562.8/6

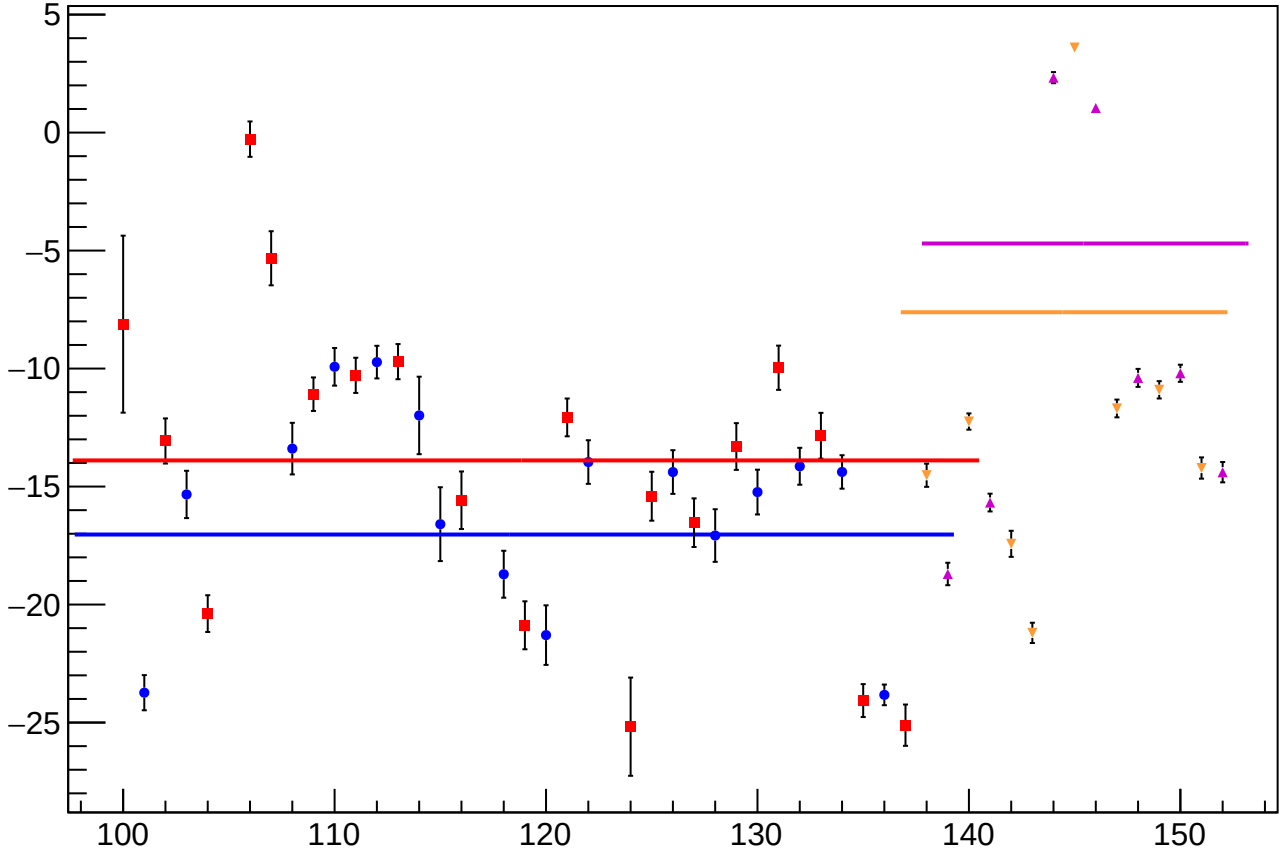
Left: -7.048+/-0.057 χ^2/NDF: 1305.3/14

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.596+/-0.071 χ^2/NDF:947.7/22

Out: -6.679+/-0.079 χ^2/NDF:904.0/26

All: -7.185+/-0.053 χ^2/NDF: 1925.7/49



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -7.612+/-0.125 χ^2/NDF:5014.7/7

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -4.700+/-0.116 χ^2/NDF:4406.0/6

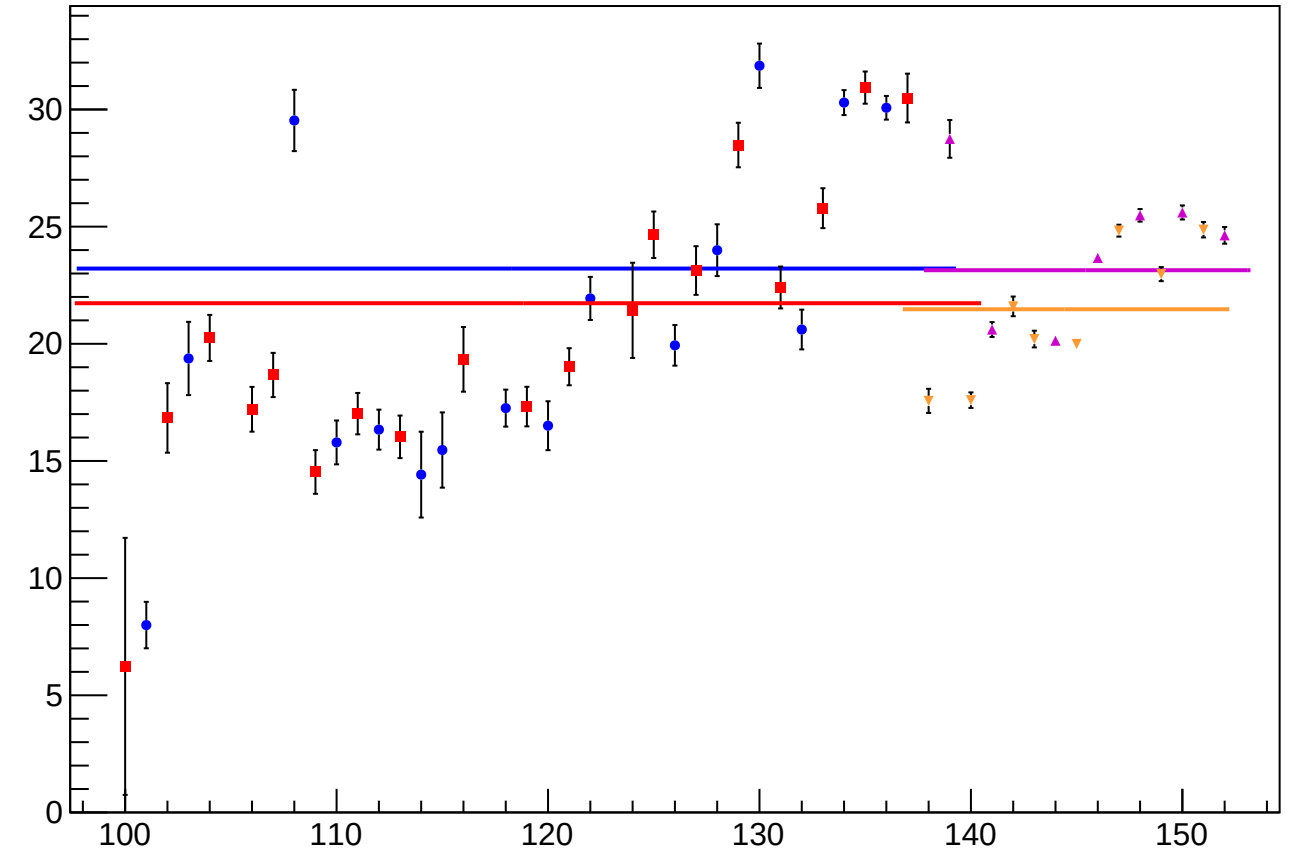
Left: -6.041+/-0.085 χ^2/NDF: 9712.7/14

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -7.582+/-0.101 χ^2/NDF:7665.8/22

Out: -9.267+/-0.107 χ^2/NDF:6694.9/26

All: -8.374+/-0.074 χ^2/NDF: 14491.0/49



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: 23.140+/-0.094 χ^2/NDF:517.9/6

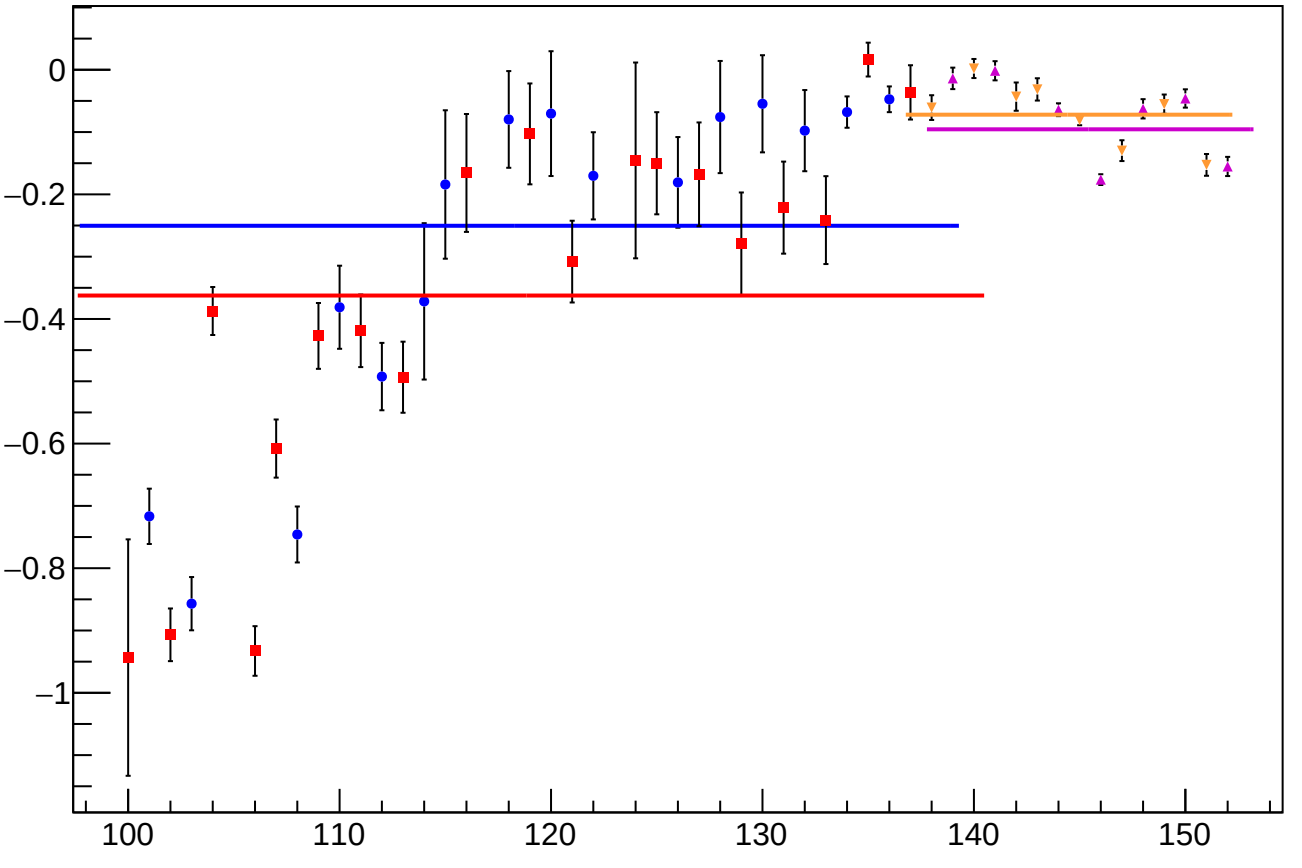
Left: 22.402+/-0.070 χ^2/NDF: 1227.8/14

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 23.151+/-0.087 χ^2/NDF:1526.2/22

Out: 21.521+/-0.096 χ^2/NDF:1131.1/26

All: 22.417+/-0.064 χ^2/NDF: 2816.9/49



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: -0.096+/-0.005 χ^2/NDF:187.3/6

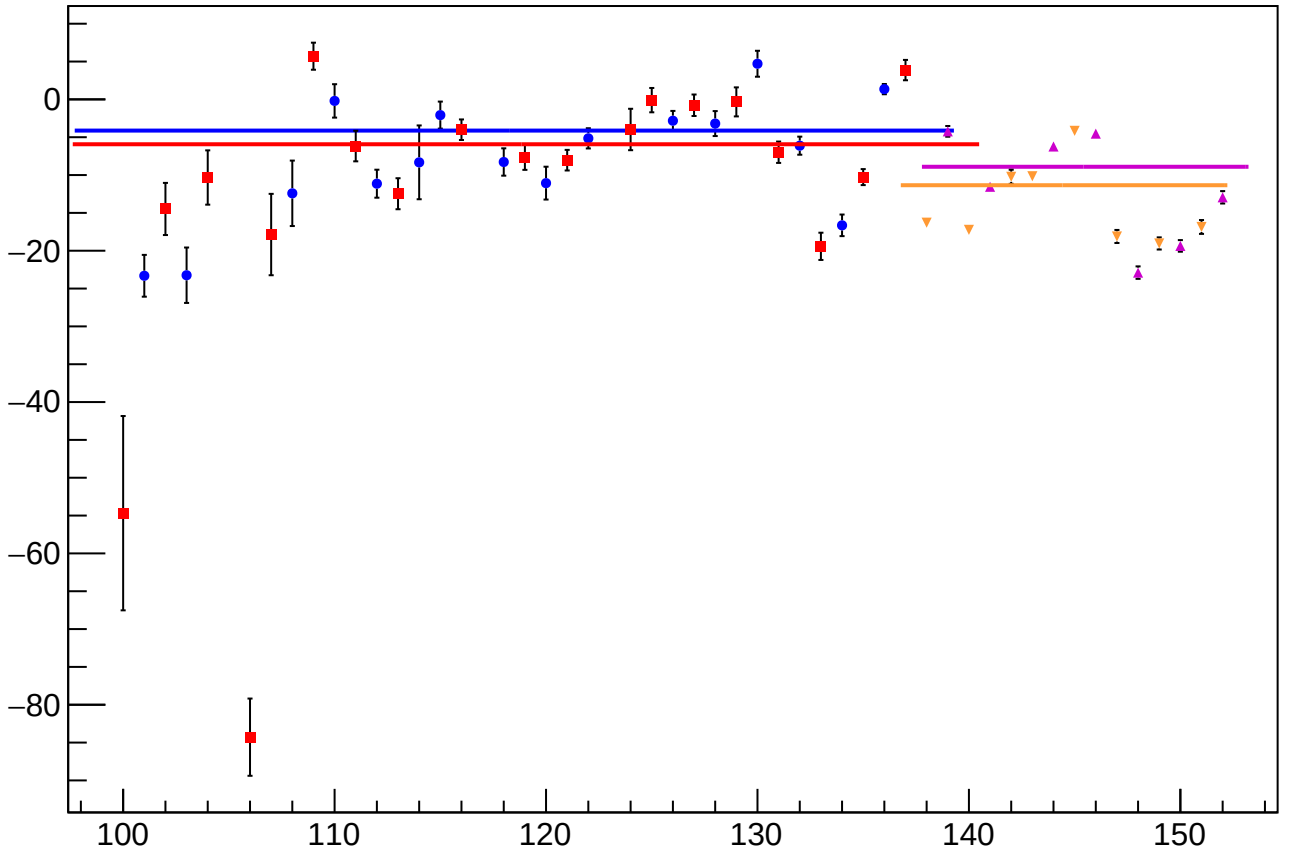
Left: -0.085+/-0.004 χ^2/NDF: 264.4/14

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.118+/-0.004 χ^2/NDF:971.6/22

Out: -0.115+/-0.005 χ^2/NDF:1240.9/26

All: -0.117+/-0.003 χ^2/NDF: 2212.7/49



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: -8.905+/-0.218 χ^2/NDF:715.4/6

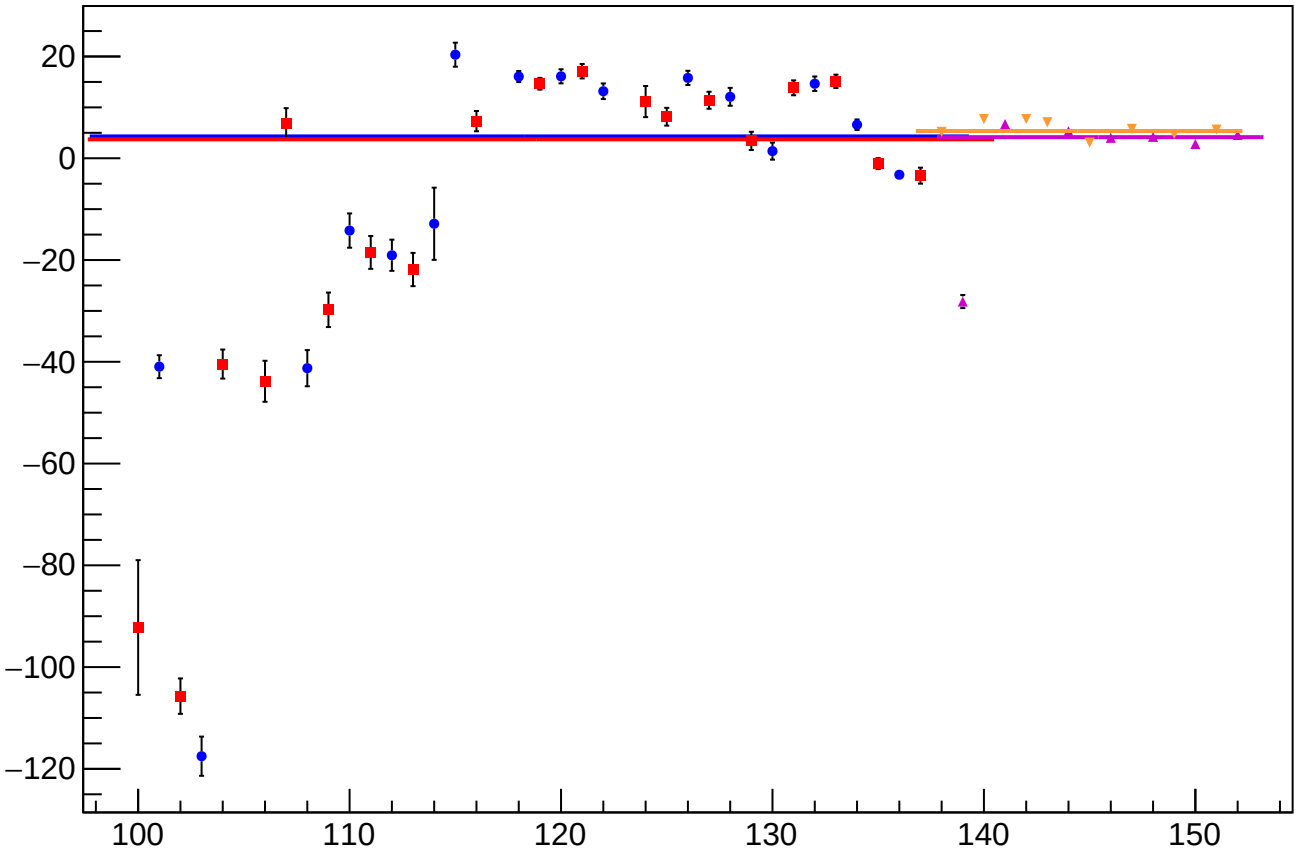
Left: -10.109+/-0.155 χ^2/NDF: 1524.7/14

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -7.726+/-0.190 χ^2/NDF:1121.5/22

Out: -10.112+/-0.194 χ^2/NDF:1366.7/26

All: -8.889+/-0.136 χ^2/NDF: 2565.3/49



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.358+/-0.158 χ^2/NDF:115.7/7

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 4.148+/-0.148 χ^2/NDF:685.5/6

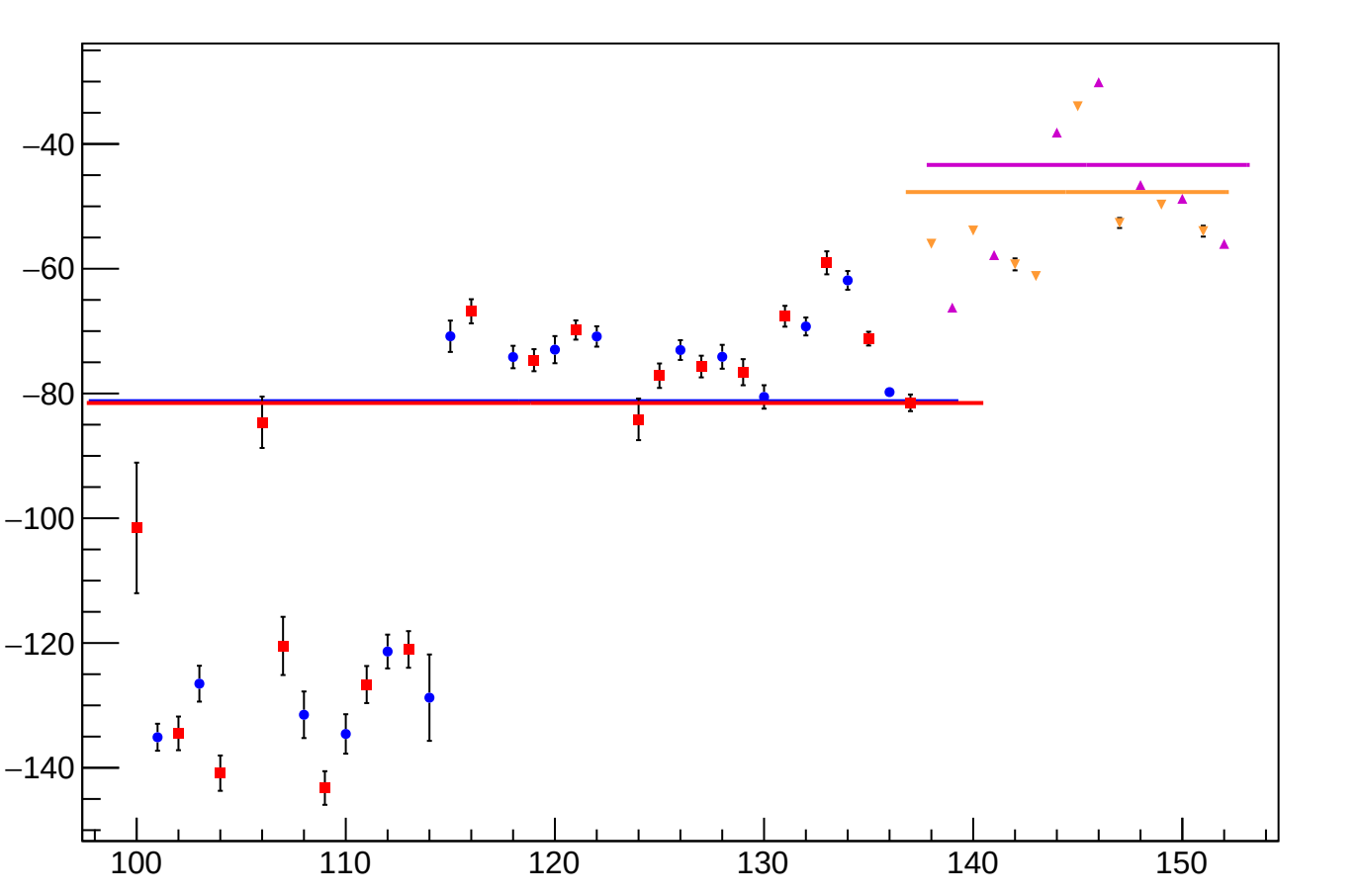
Left: 4.710+/-0.108 χ^2/NDF: 832.5/14

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

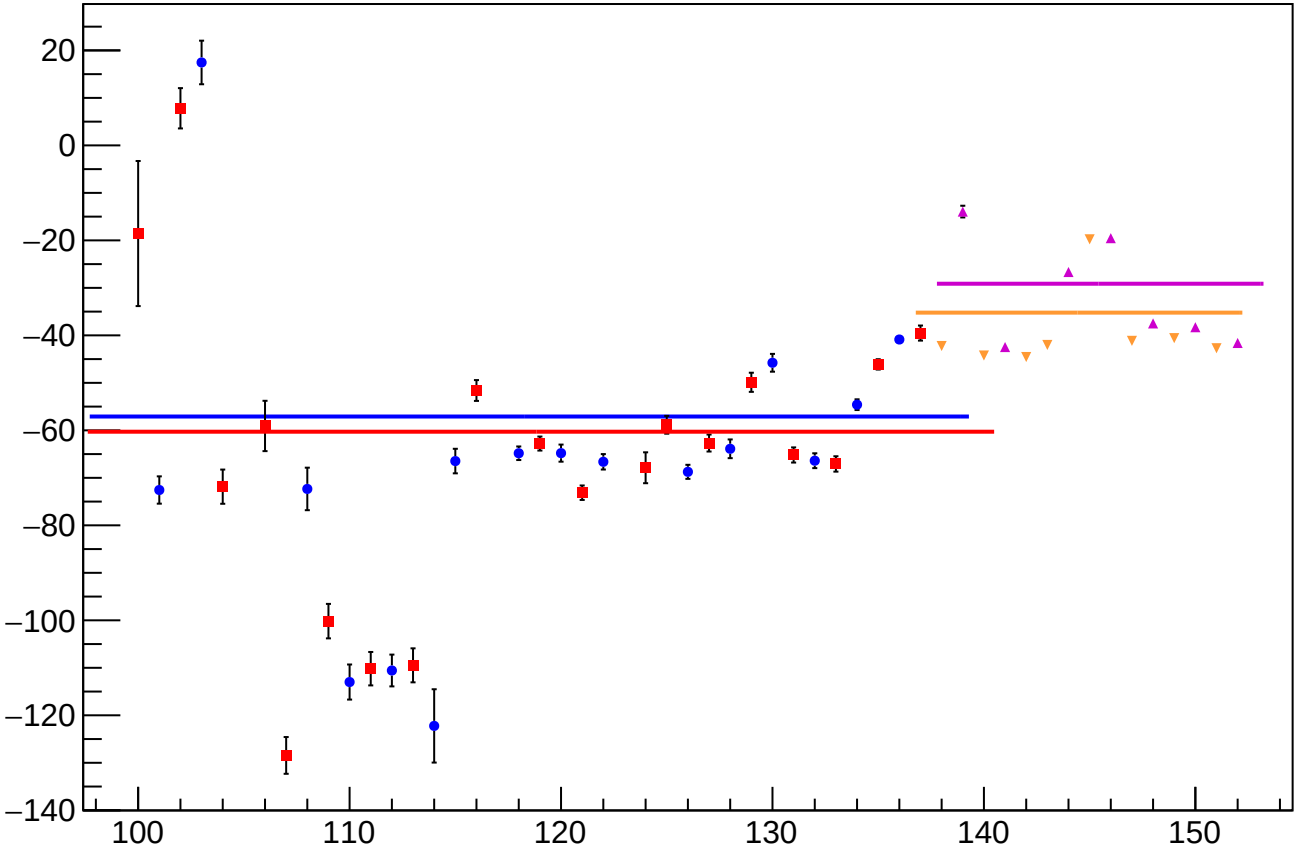
In: 4.166+/-0.138 χ^2/NDF:2854.7/22

Out: 5.156+/-0.148 χ^2/NDF:2136.1/26

All: 4.625+/-0.101 χ^2/NDF: 5014.8/49


reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
Right In: -81.231+/-0.417 χ²/NDF: 1971.1/15
Left Out: -47.709+/-0.224 χ²/NDF:2208.8/7
Right Out: -81.523+/-0.462 χ²/NDF: 2293.2/18
Left In: -43.361+/-0.216 χ²/NDF:3080.6/6
Left: -45.459+/-0.156 χ²/NDF: 5484.5/14
Right: -81.362+/-0.309 χ²/NDF: 4264.5/34
In: -51.392+/-0.192 χ²/NDF:11555.3/22
Out: -54.148+/-0.201 χ²/NDF:8846.3/26
All: -52.704+/-0.139 χ²/NDF: 20499.8/49

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: -29.129+/-0.180 χ^2/NDF:2608.3/6

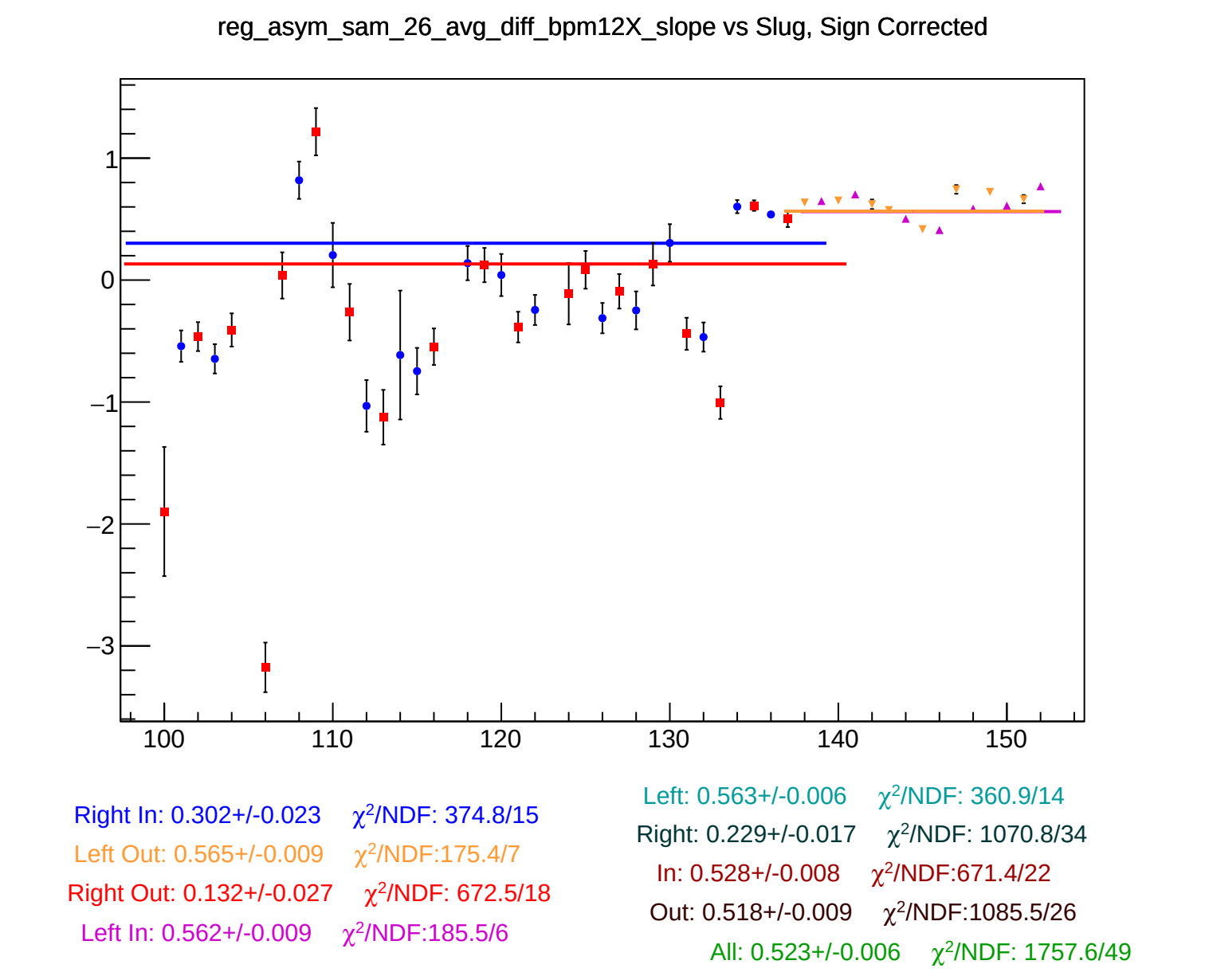
Left: -31.981+/-0.131 χ^2/NDF: 6201.4/14

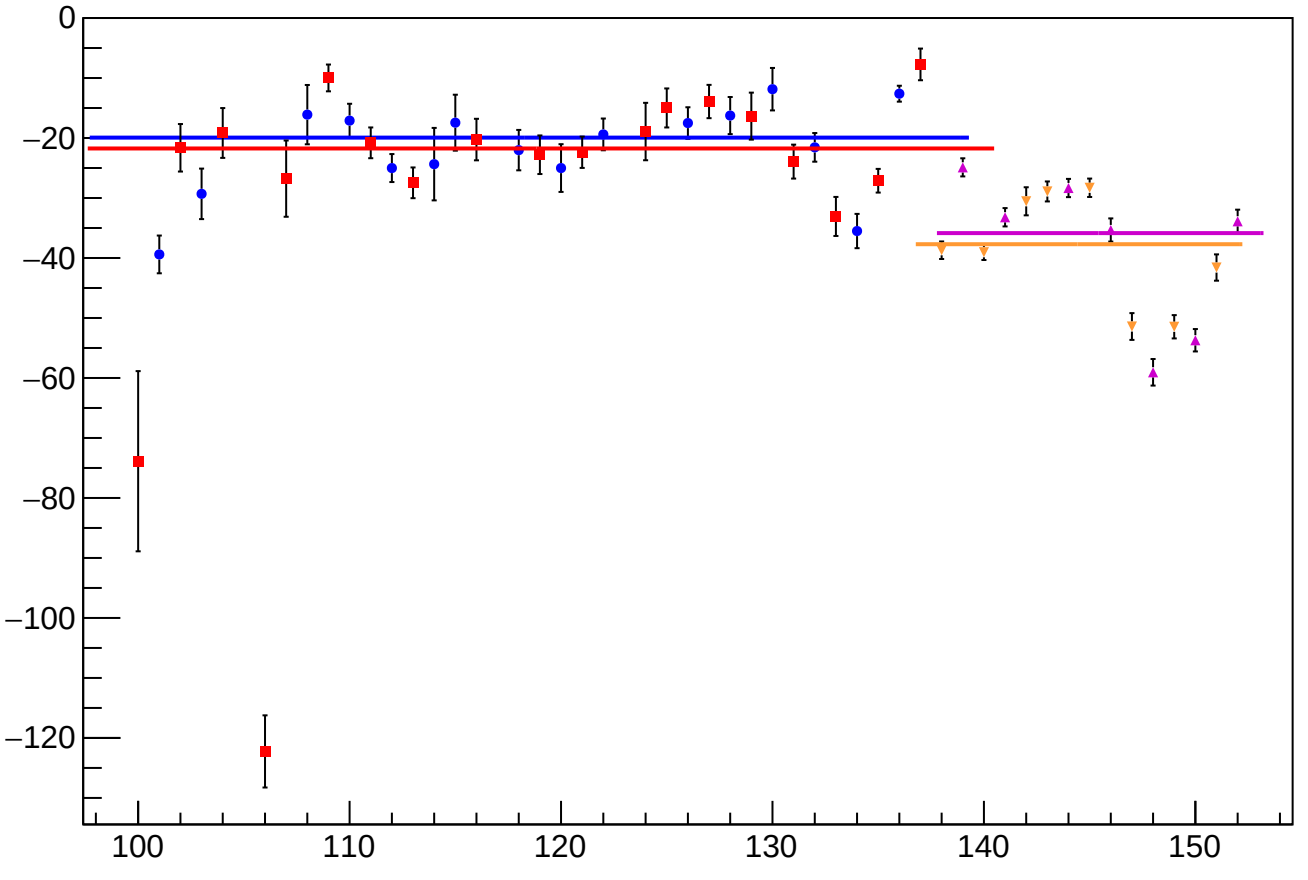
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -33.375+/-0.166 χ^2/NDF:7793.5/22

Out: -38.793+/-0.178 χ^2/NDF:7085.6/26

All: -35.900+/-0.121 χ^2/NDF: 15376.1/49


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: 0.562+/-0.009 χ²/NDF:185.5/6
Left: 0.563+/-0.006 χ²/NDF: 360.9/14
Right: 0.229+/-0.017 χ²/NDF: 1070.8/34
In: 0.528+/-0.008 χ²/NDF:671.4/22
Out: 0.518+/-0.009 χ²/NDF:1085.5/26
All: 0.523+/-0.006 χ²/NDF: 1757.6/49



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: -35.851+/-0.656 χ^2/NDF:282.6/6

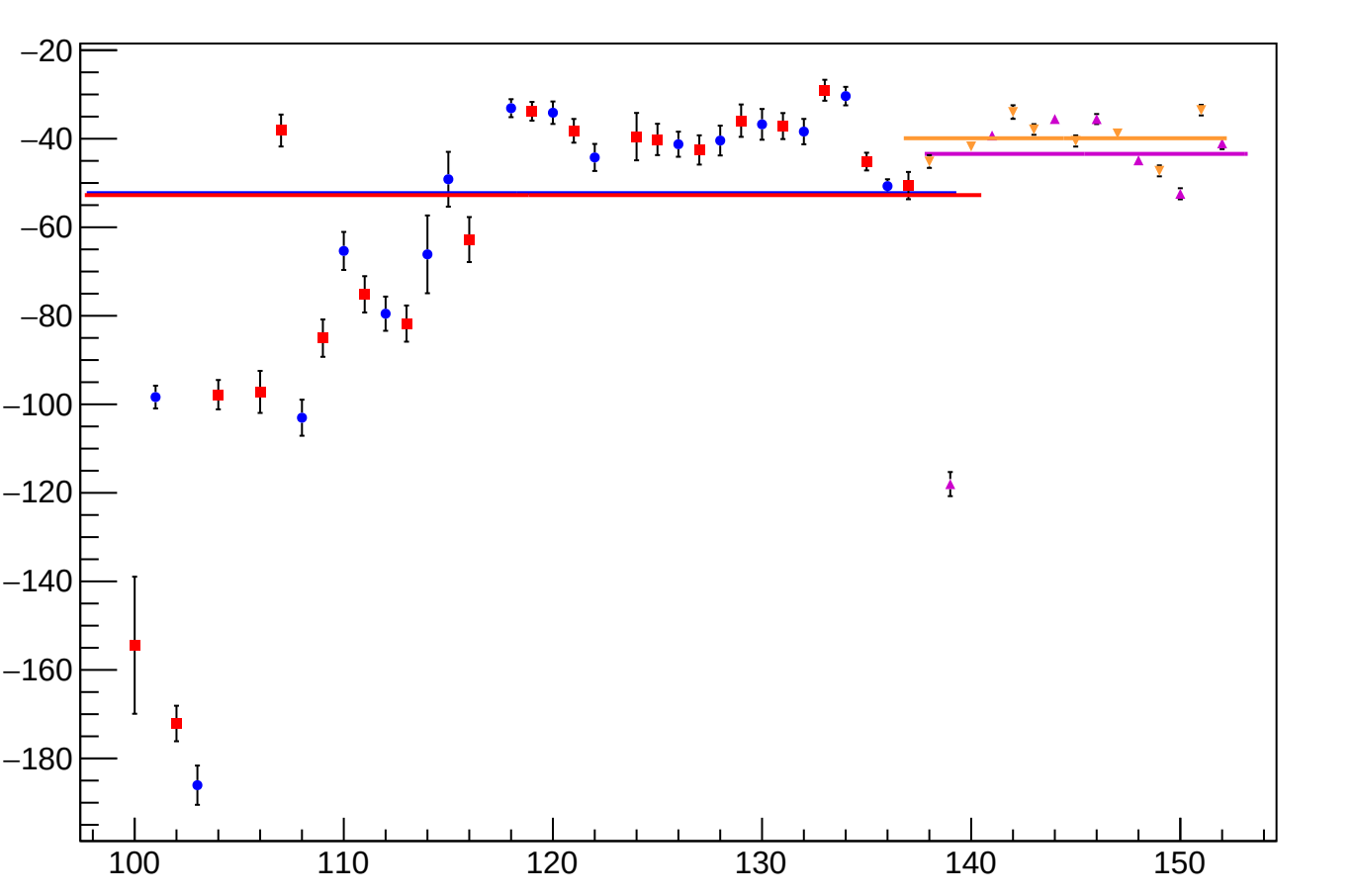
Left: -36.848+/-0.446 χ^2/NDF: 454.4/14

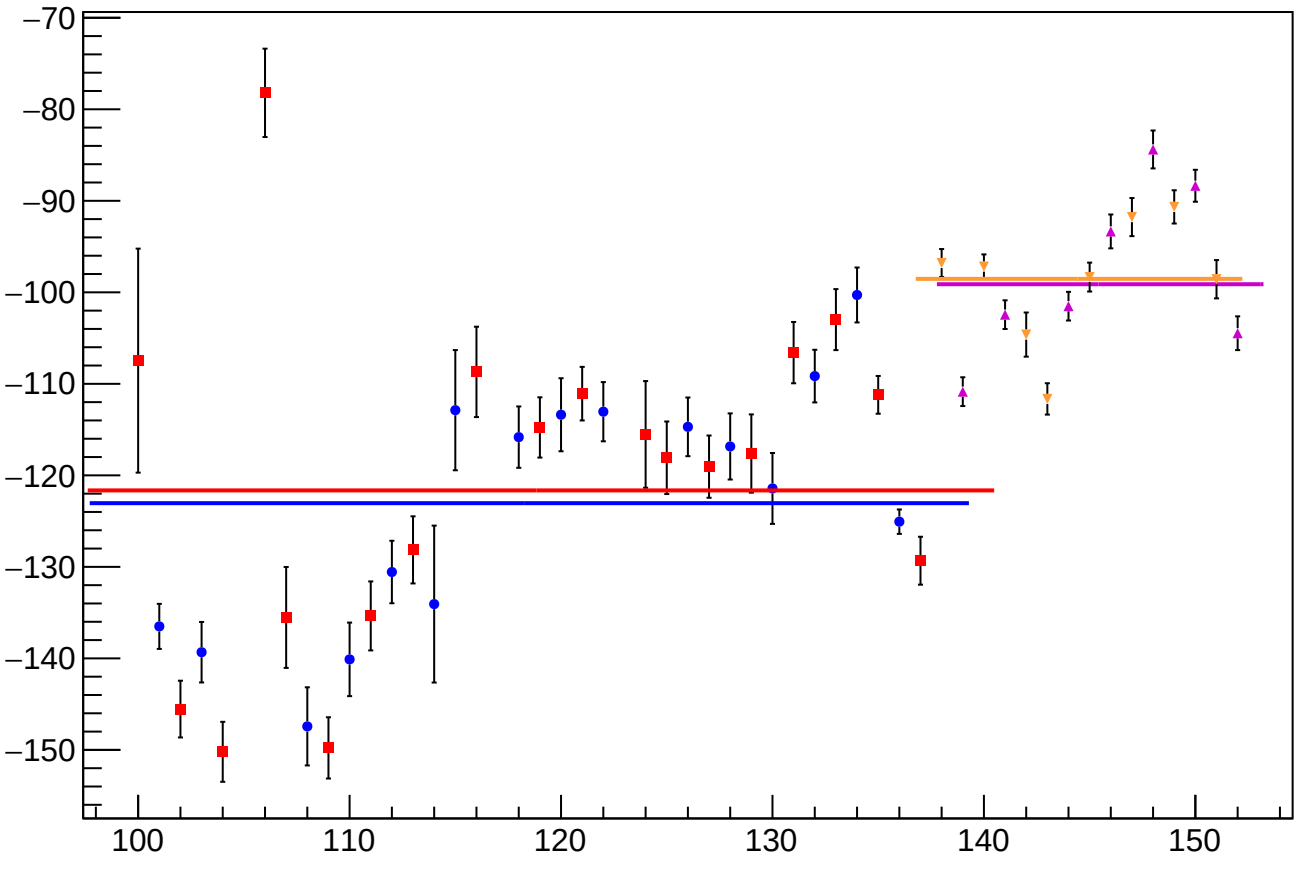
Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -28.355+/-0.477 χ^2/NDF:680.8/22

Out: -30.994+/-0.463 χ^2/NDF:845.5/26

All: -29.714+/-0.332 χ^2/NDF: 1542.2/49


reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
−160
−180
100
110
120
130
140
150
Right In: -52.296+/-0.708 χ²/NDF: 1778.2/15
Left Out: -39.891+/-0.431 χ²/NDF:98.8/7
Right Out: -52.737+/-0.748 χ²/NDF: 1662.5/18
Left In: -43.422+/-0.464 χ²/NDF:916.9/6
Left: -41.527+/-0.316 χ²/NDF: 1046.7/14
Right: -52.505+/-0.514 χ²/NDF: 3440.9/34
In: -46.090+/-0.388 χ²/NDF:2805.0/22
Out: -43.097+/-0.374 χ²/NDF:1982.5/26
All: -44.536+/-0.269 χ²/NDF: 4818.3/49



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: -99.115+/-0.650 χ^2/NDF:169.3/6

Left: -98.805+/-0.446 χ^2/NDF: 266.3/14

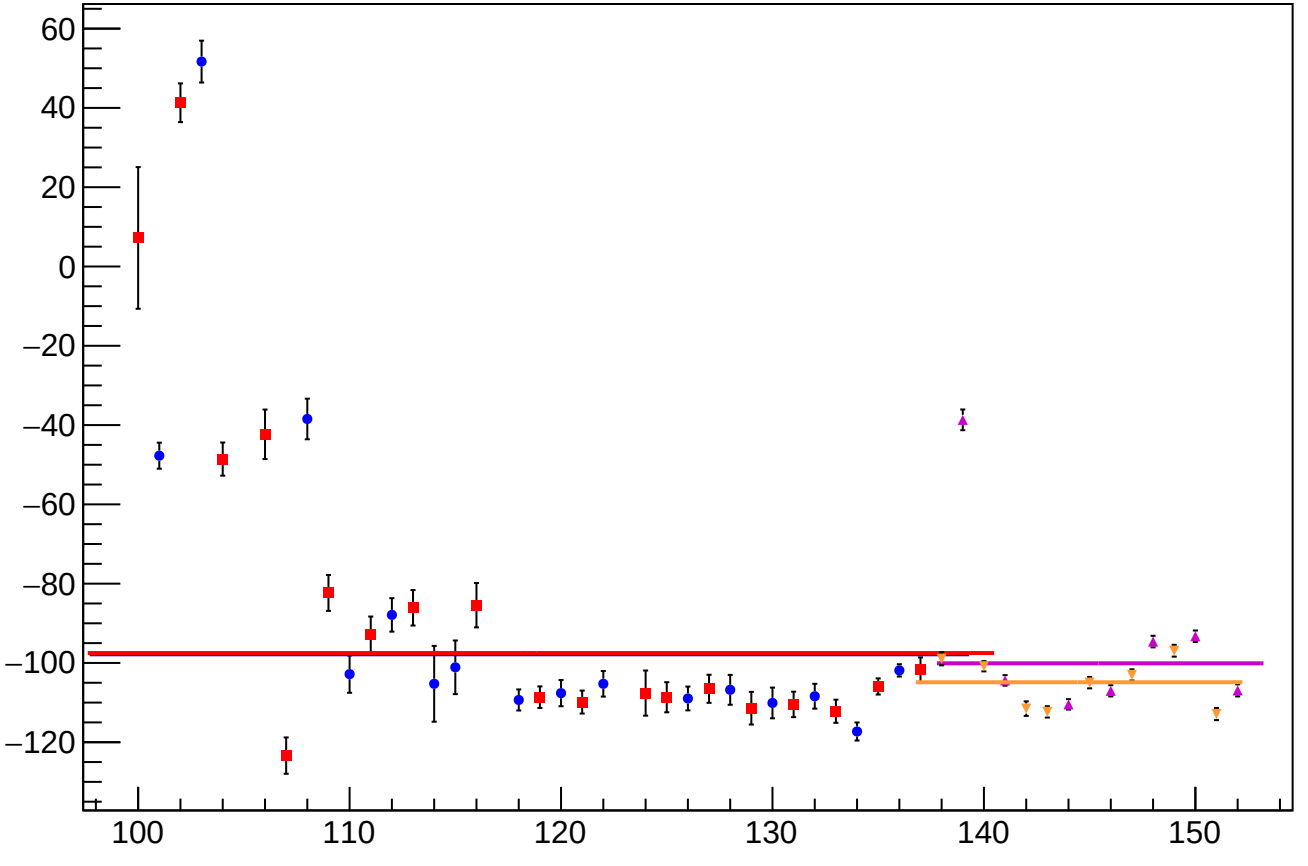
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -109.377+/-0.491 χ^2/NDF:977.2/22

Out: -107.047+/-0.486 χ^2/NDF:1046.8/26

All: -108.201+/-0.346 χ^2/NDF: 2035.4/49

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -104.869+/-0.526 χ^2/NDF:120.7/7

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -100.090+/-0.563 χ^2/NDF:704.1/6

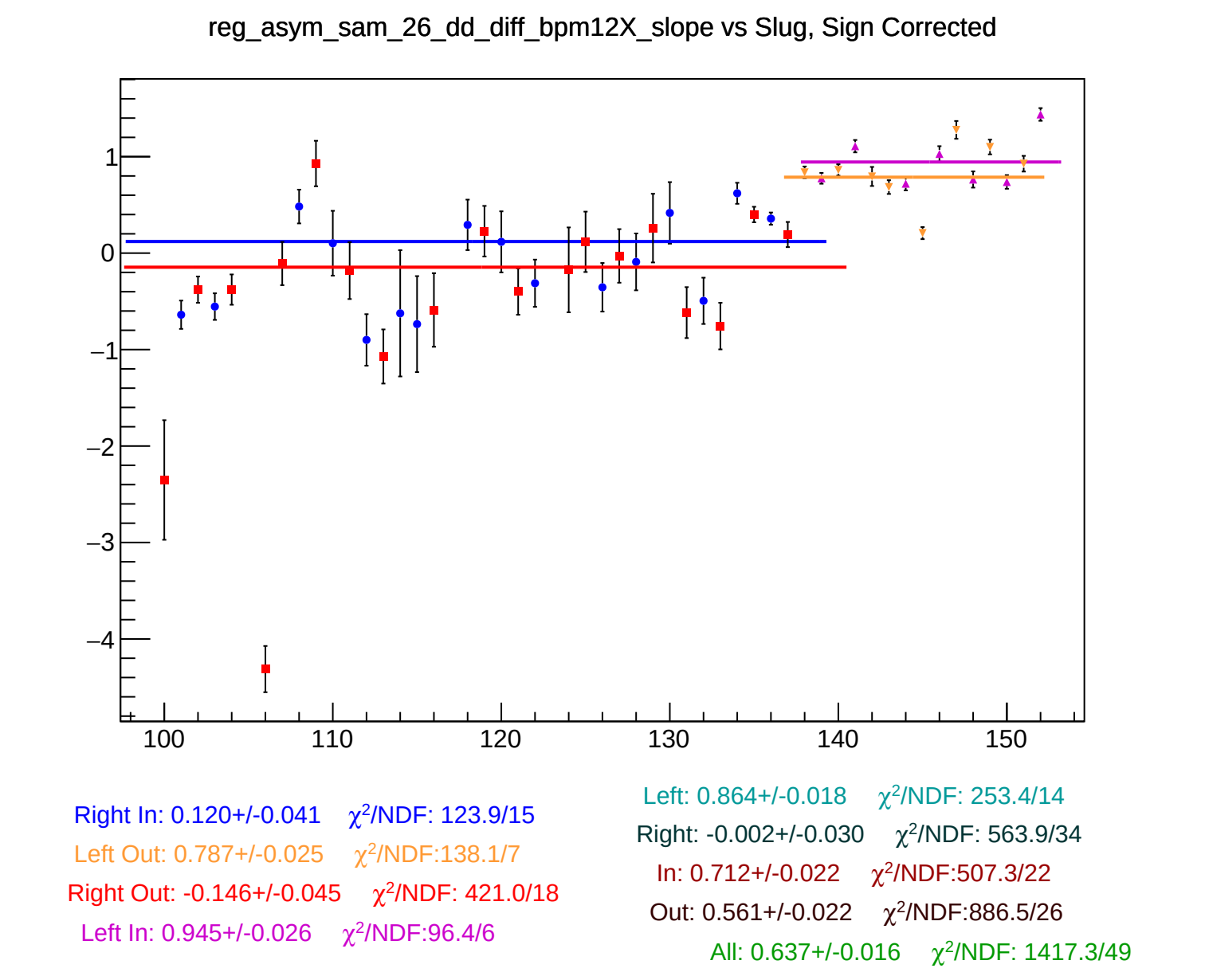
Left: -102.638+/-0.384 χ^2/NDF: 863.2/14

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

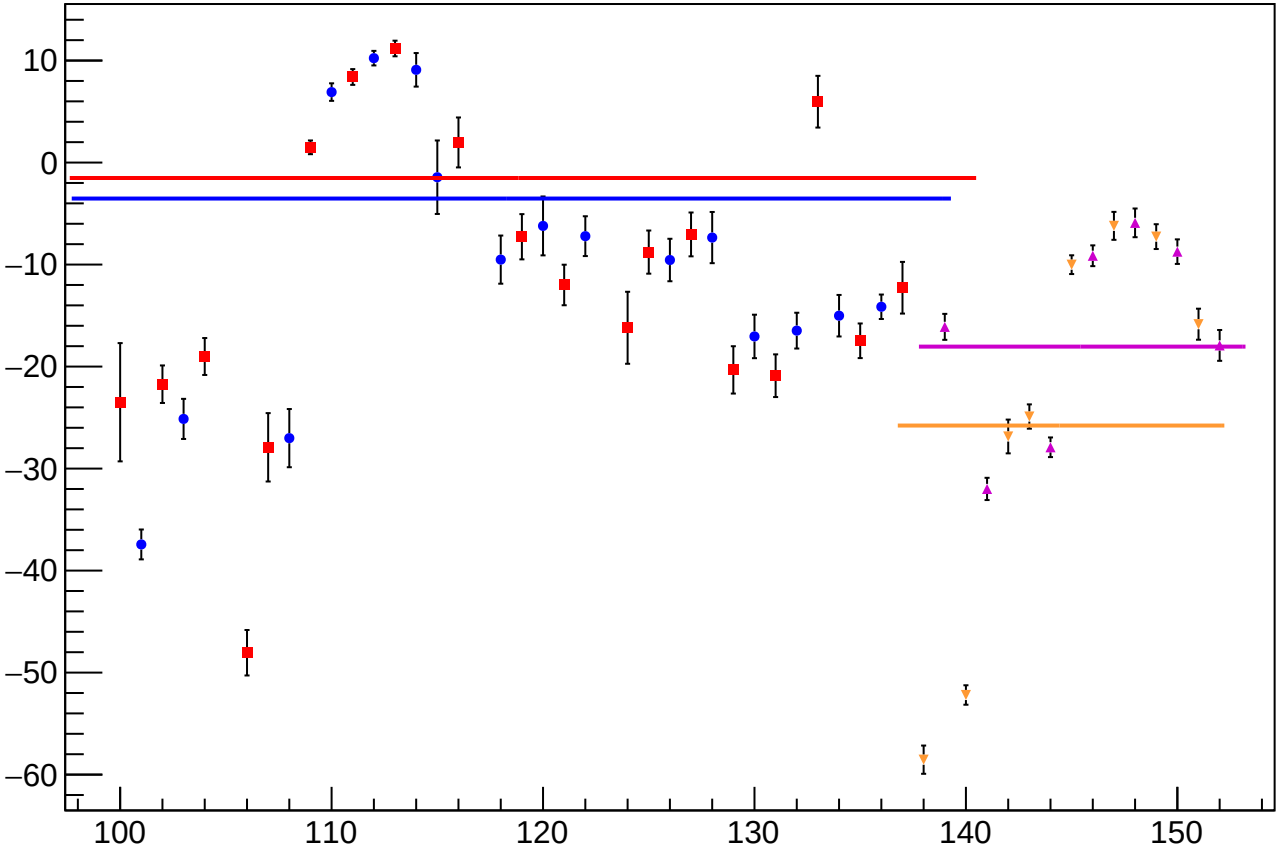
In: -99.328+/-0.459 χ^2/NDF:2040.4/22

Out: -102.802+/-0.446 χ^2/NDF:1412.1/26

All: -101.112+/-0.320 χ^2/NDF: 3481.9/49


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: 0.945+/-0.026 χ²/NDF:96.4/6
Left: 0.864+/-0.018 χ²/NDF: 253.4/14
Right: -0.002+/-0.030 χ²/NDF: 563.9/34
In: 0.712+/-0.022 χ²/NDF:507.3/22
Out: 0.561+/-0.022 χ²/NDF:886.5/26
All: 0.637+/-0.016 χ²/NDF: 1417.3/49

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -25.781+/-0.426 χ^2/NDF:2101.0/7

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -18.043+/-0.441 χ^2/NDF:481.7/6

Left: -22.051+/-0.306 χ^2/NDF: 2741.8/14

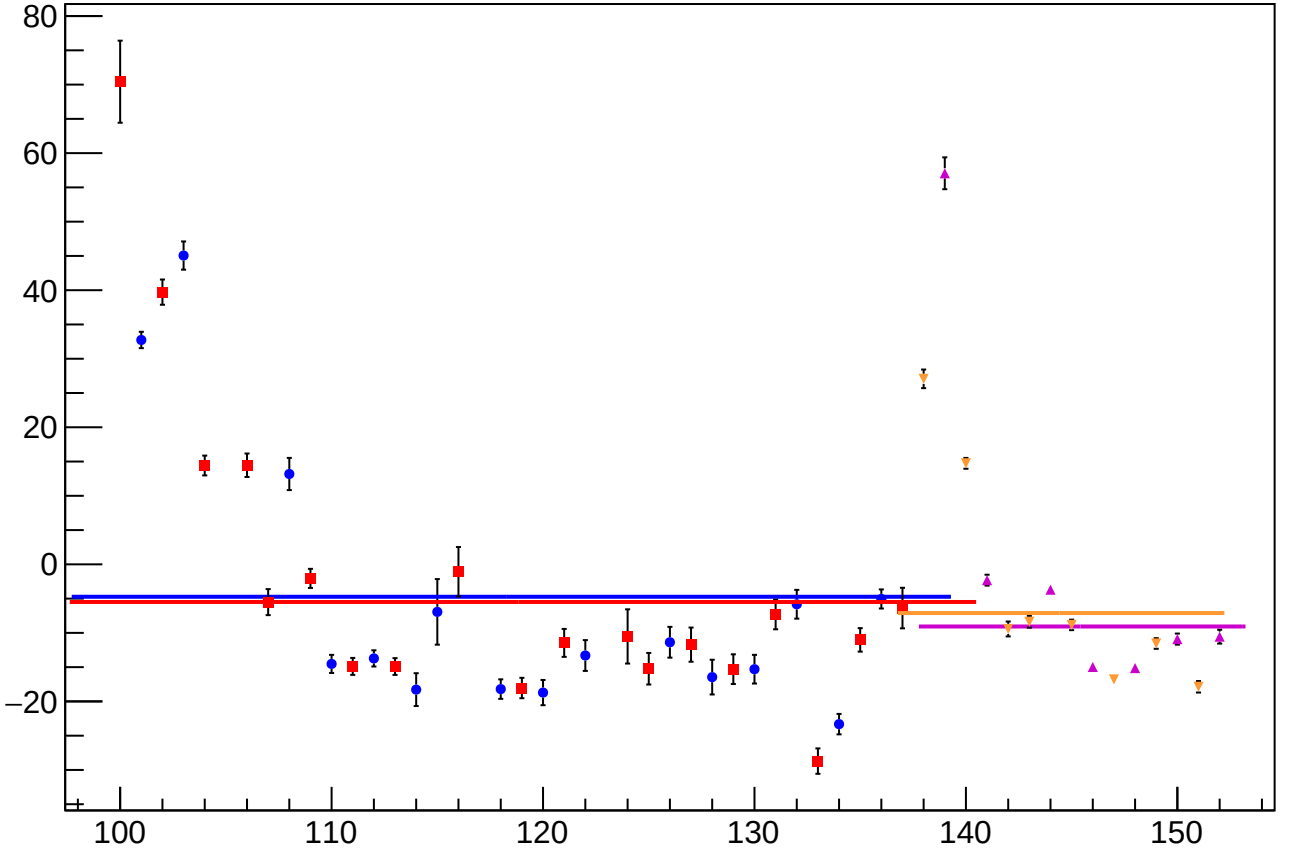
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -9.645+/-0.287 χ^2/NDF:2636.4/22

Out: -10.909+/-0.265 χ^2/NDF:5616.2/26

All: -10.327+/-0.195 χ^2/NDF: 8263.1/49

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: -9.068+/-0.300 χ^2/NDF:1121.0/6

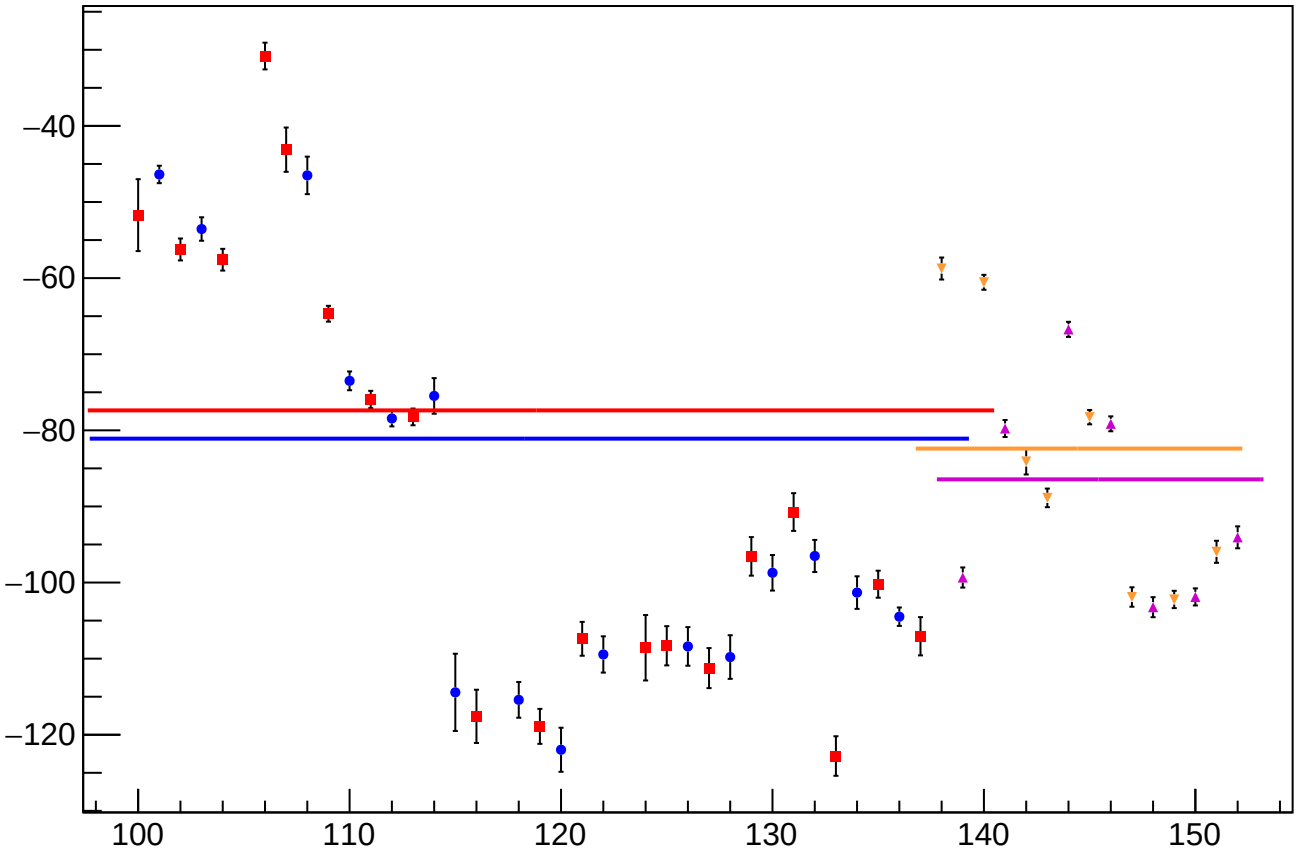
Left: -8.066+/-0.210 χ^2/NDF: 2983.0/14

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -7.654+/-0.246 χ^2/NDF:3337.3/22

Out: -6.580+/-0.241 χ^2/NDF:3358.5/26

All: -7.106+/-0.172 χ^2/NDF: 6705.6/49



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: -86.443+/-0.435 χ^2/NDF:958.9/6

Left: -84.374+/-0.304 χ^2/NDF: 2440.6/14

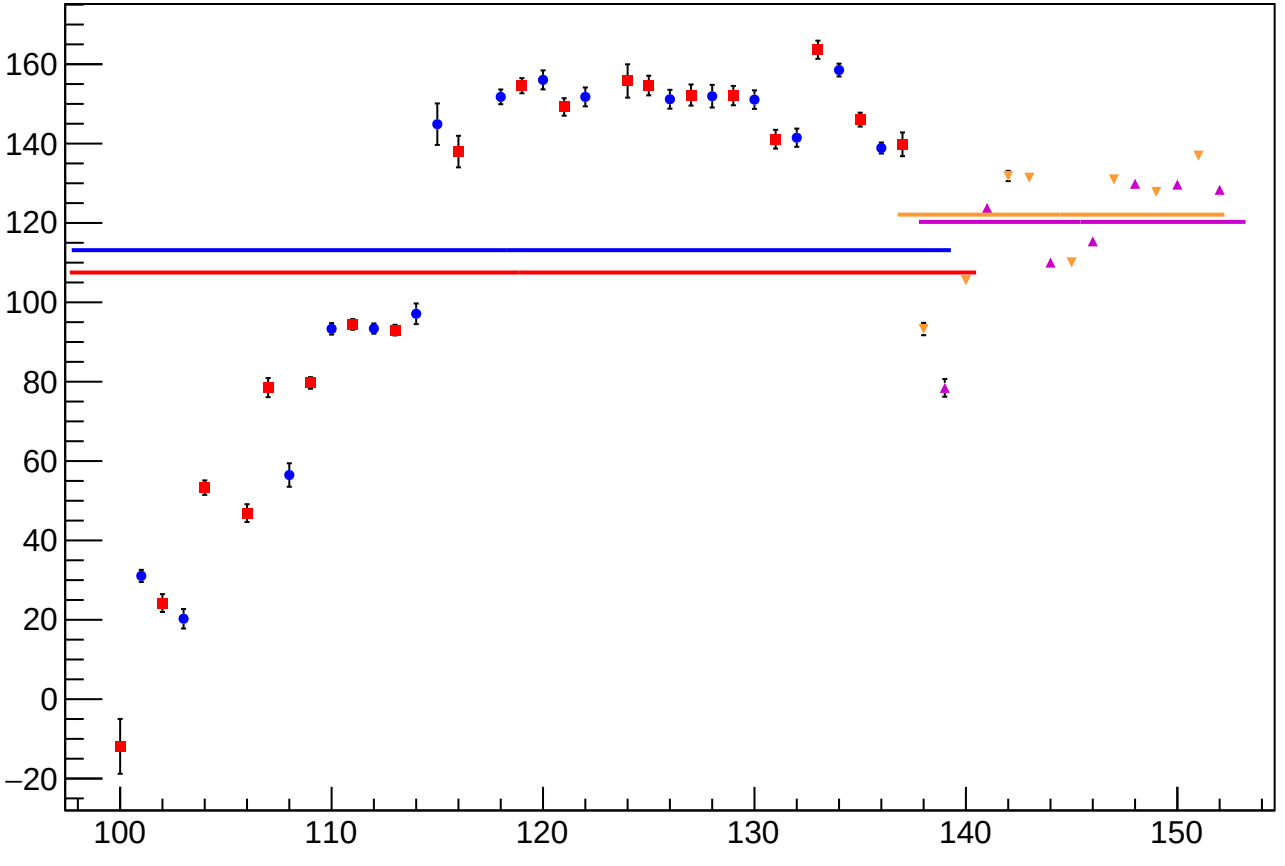
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -83.785+/-0.309 χ^2/NDF:3904.2/22

Out: -79.833+/-0.298 χ^2/NDF:4638.0/26

All: -81.737+/-0.214 χ^2/NDF: 8627.1/49

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 122.104+/-0.359 χ^2/NDF:1311.5/7

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 120.265+/-0.365 χ^2/NDF:811.9/6

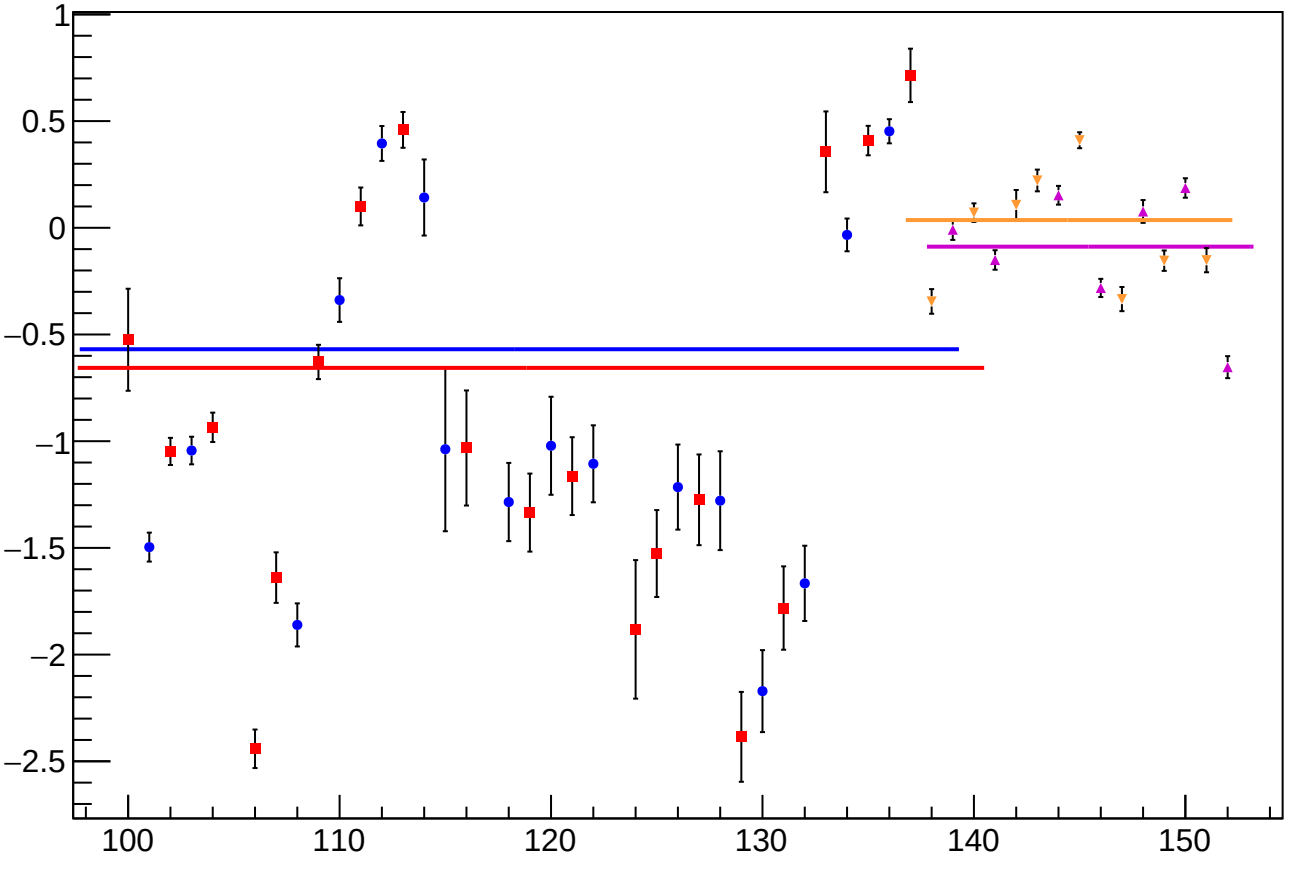
Left: 121.200+/-0.256 χ^2/NDF: 2136.2/14

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 117.713+/-0.293 χ^2/NDF:9152.0/22

Out: 116.857+/-0.287 χ^2/NDF:9448.7/26

All: 117.277+/-0.205 χ^2/NDF: 18605.0/49



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: -0.088+/-0.018 χ^2/NDF:221.5/6

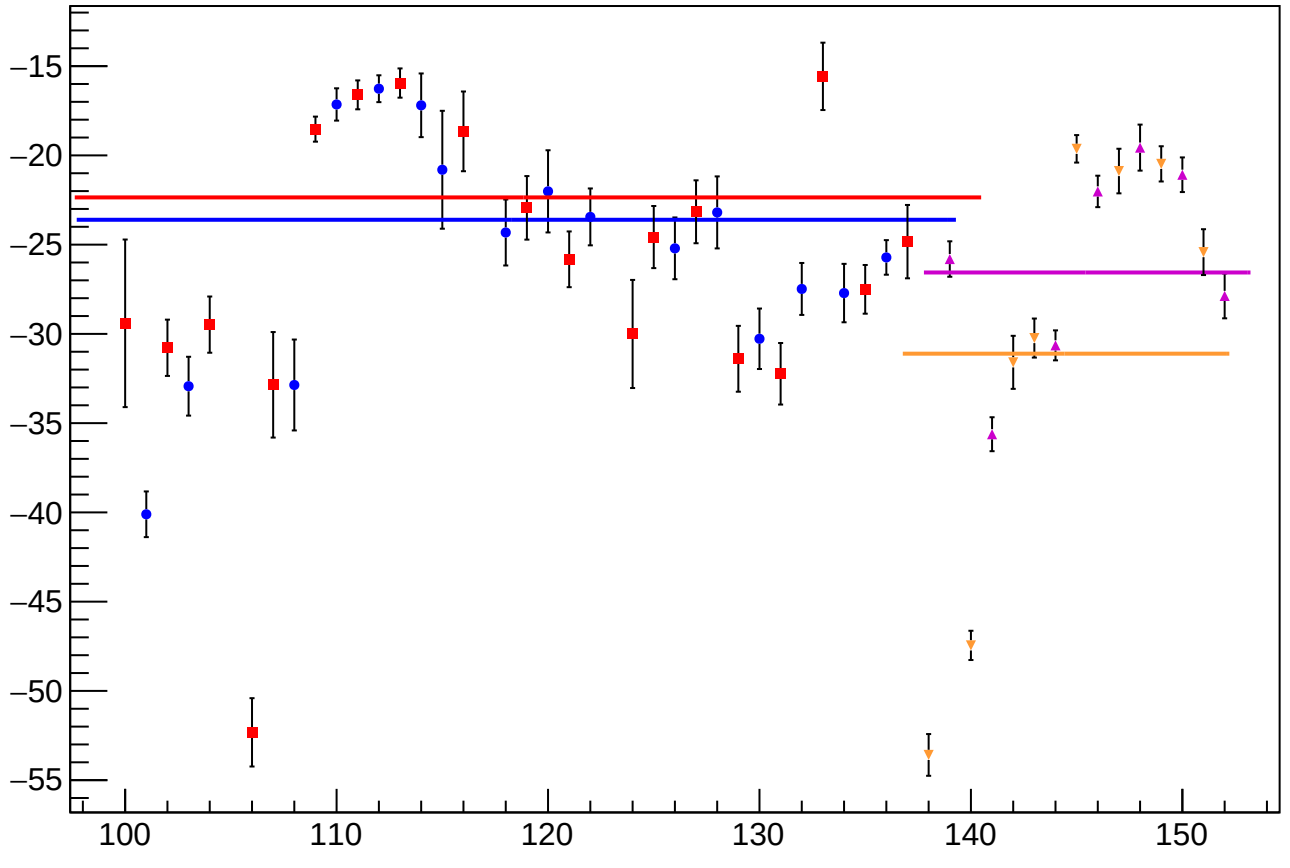
Left: -0.026+/-0.013 χ^2/NDF: 474.6/14

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.242+/-0.015 χ^2/NDF:1555.2/22

Out: -0.192+/-0.014 χ^2/NDF:2049.4/26

All: -0.217+/-0.010 χ^2/NDF: 3610.5/49



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: -26.560+/-0.375 χ^2/NDF:203.9/6

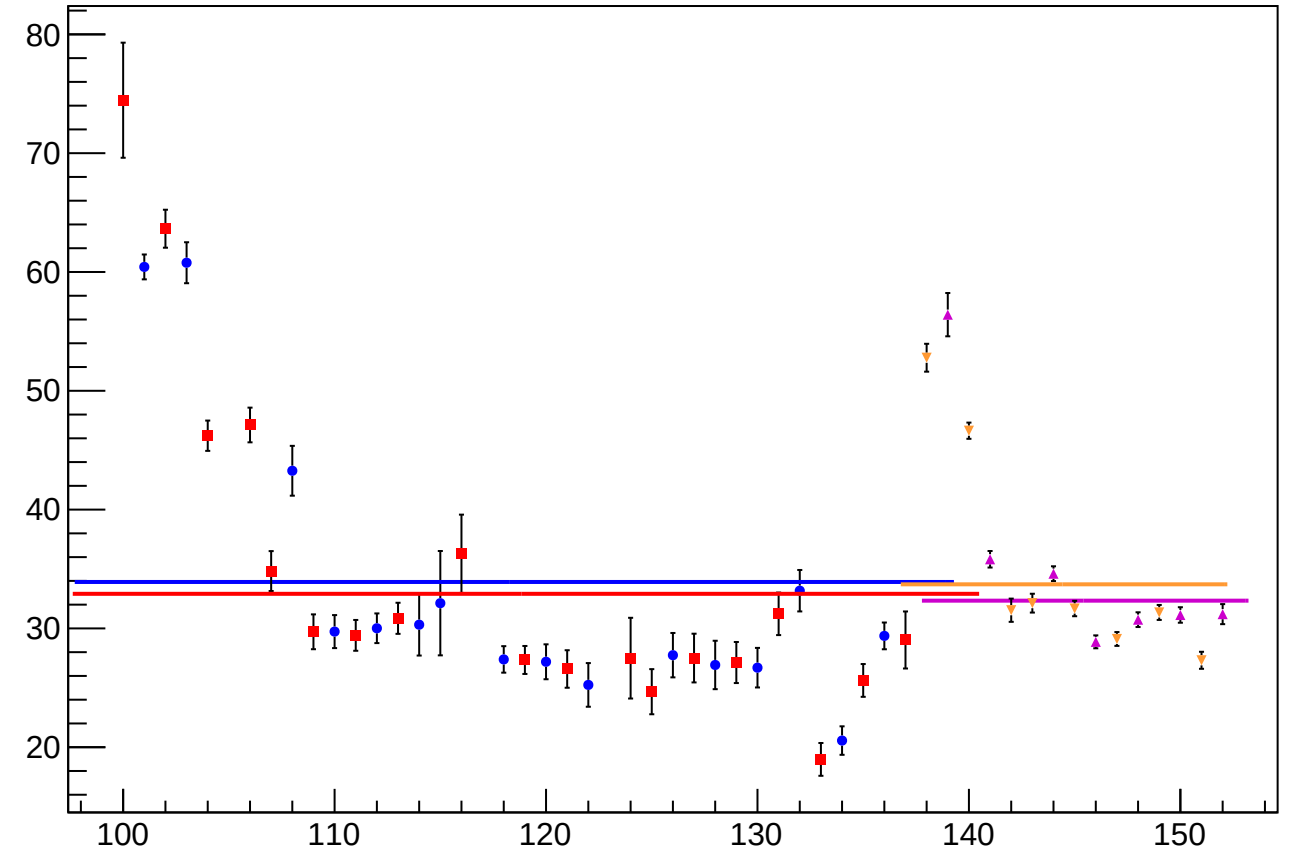
Left: -28.888+/-0.262 χ^2/NDF: 1472.3/14

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -24.976+/-0.255 χ^2/NDF:643.6/22

Out: -26.172+/-0.242 χ^2/NDF:2067.6/26

All: -25.606+/-0.175 χ^2/NDF: 2722.8/49



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: 32.336+/-0.261 χ^2/NDF:265.4/6

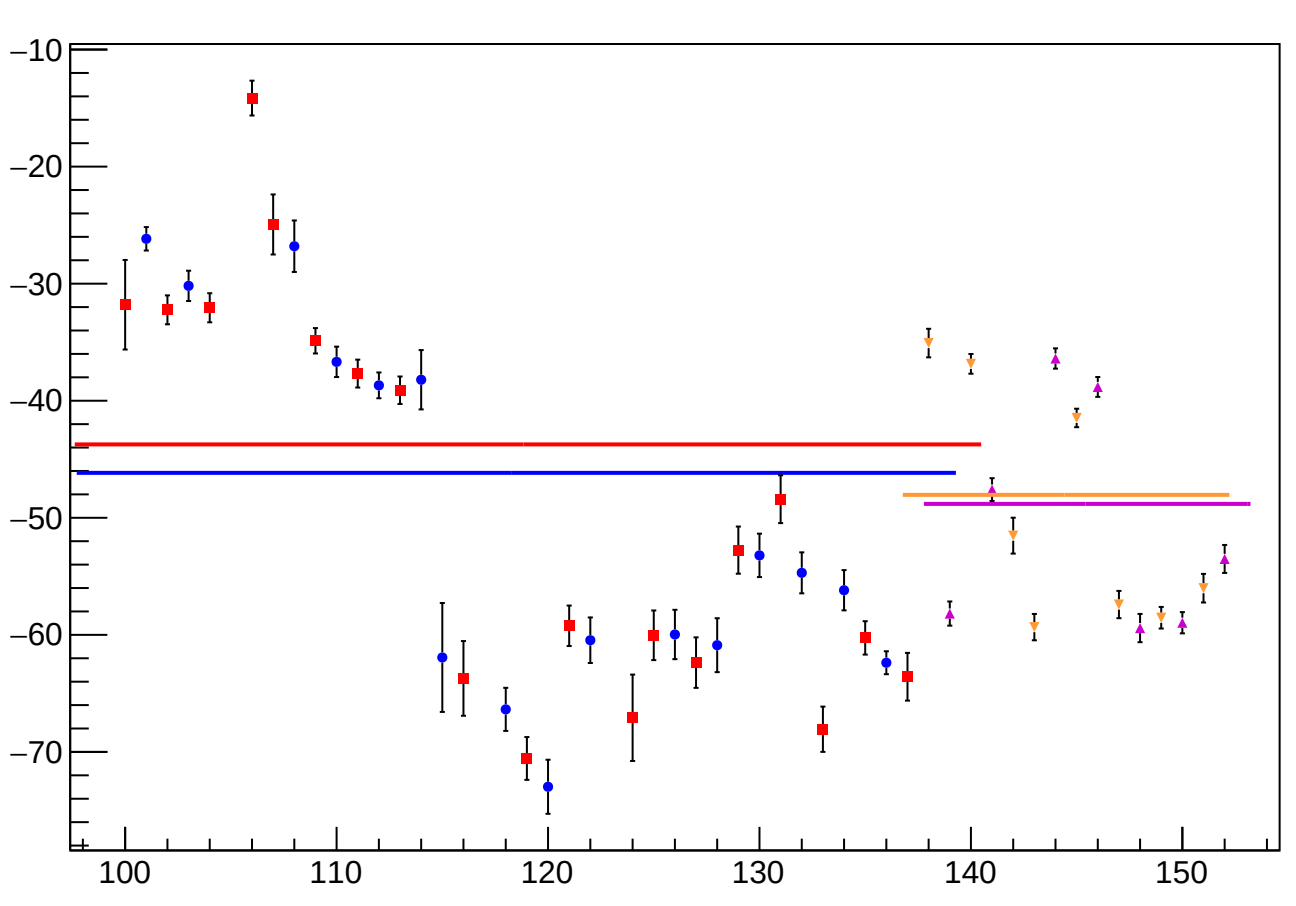
Left: 33.038+/-0.183 χ^2/NDF: 1078.0/14

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.849+/-0.214 χ^2/NDF:1461.6/22

Out: 33.455+/-0.211 χ^2/NDF:1676.5/26

All: 33.157+/-0.150 χ^2/NDF: 3142.2/49



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: -48.813+/-0.370 χ^2/NDF:646.3/6

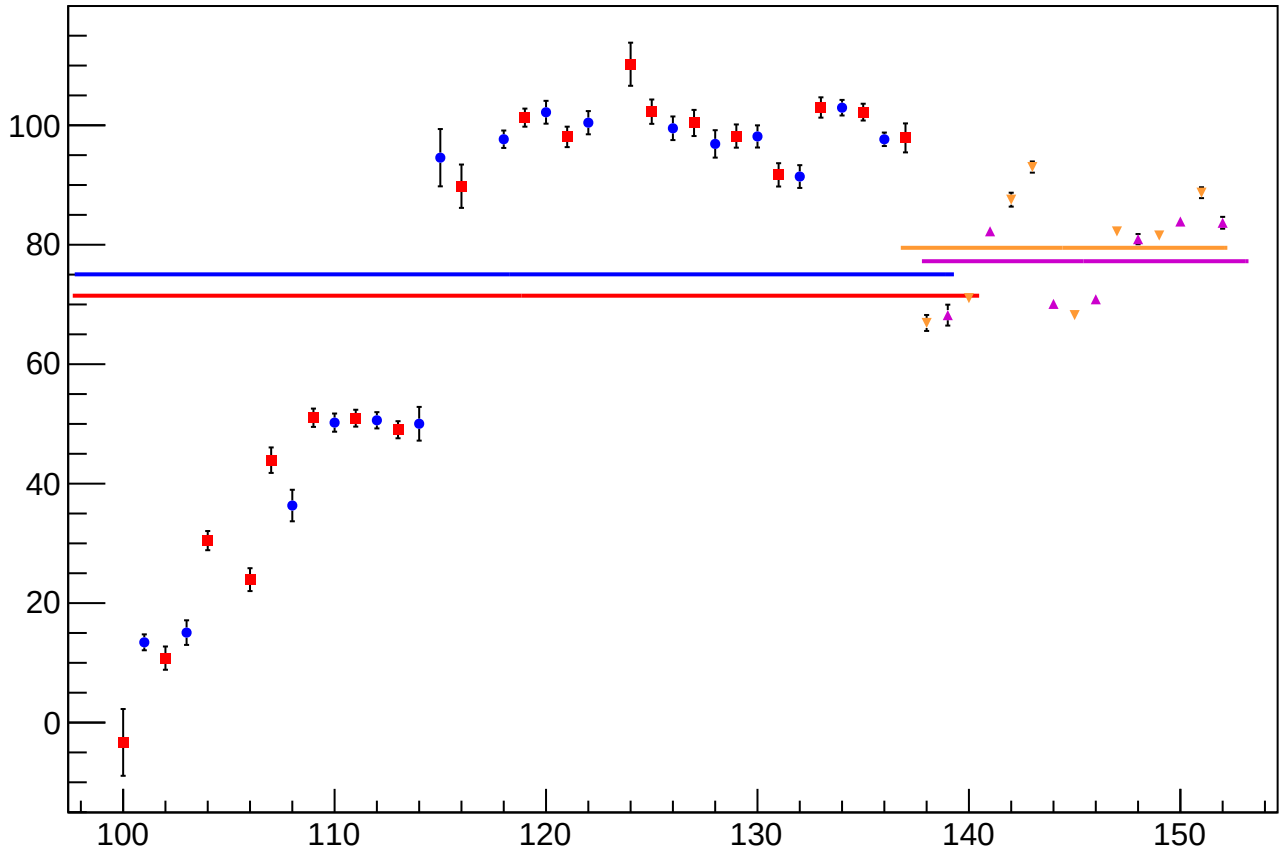
Left: -48.422+/-0.260 χ^2/NDF: 1350.0/14

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -47.557+/-0.268 χ^2/NDF:2160.3/22

Out: -45.959+/-0.263 χ^2/NDF:2431.9/26

All: -46.742+/-0.188 χ^2/NDF: 4610.3/49



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: 77.241+/-0.315 χ^2/NDF:388.5/6

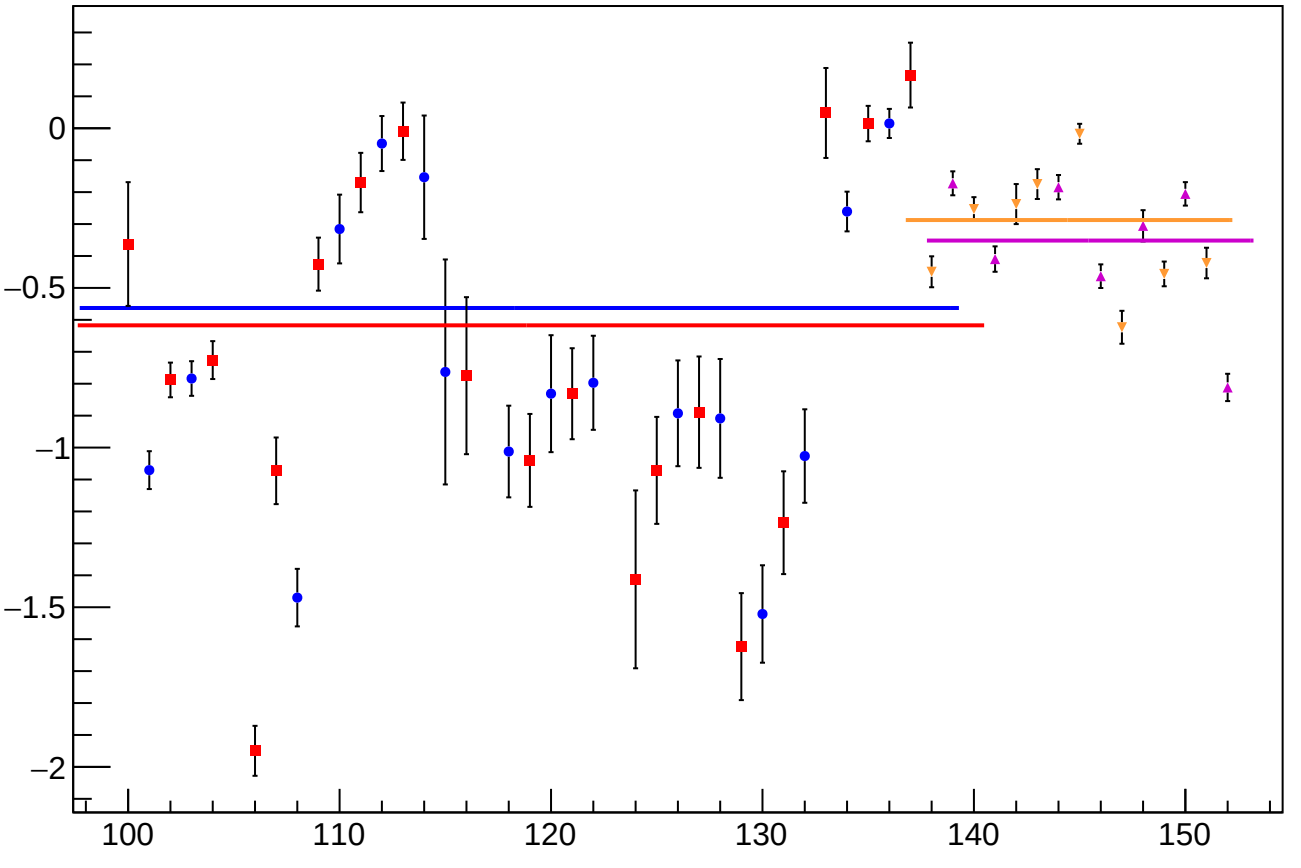
Left: 78.379+/-0.222 χ^2/NDF: 1221.1/14

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 76.466+/-0.254 χ^2/NDF:6234.0/22

Out: 76.691+/-0.251 χ^2/NDF:6666.2/26

All: 76.579+/-0.179 χ^2/NDF: 12900.6/49



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: -0.352+/-0.015 χ^2/NDF:185.9/6

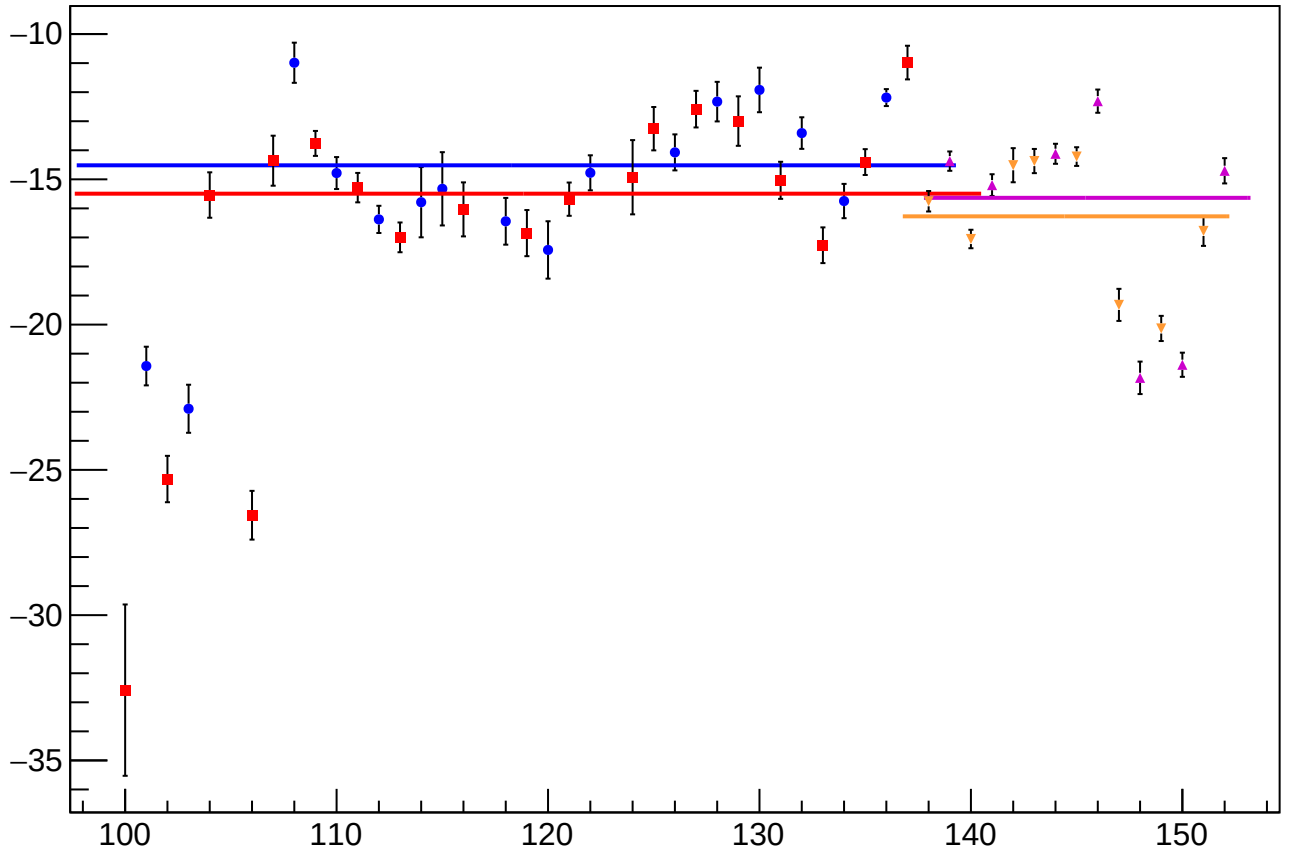
Left: -0.320+/-0.011 χ^2/NDF: 357.7/14

Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.418+/-0.012 χ^2/NDF:741.0/22

Out: -0.392+/-0.013 χ^2/NDF:1003.5/26

All: -0.405+/-0.009 χ^2/NDF: 1746.6/49



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: -15.637+/-0.149 χ^2/NDF:422.7/6

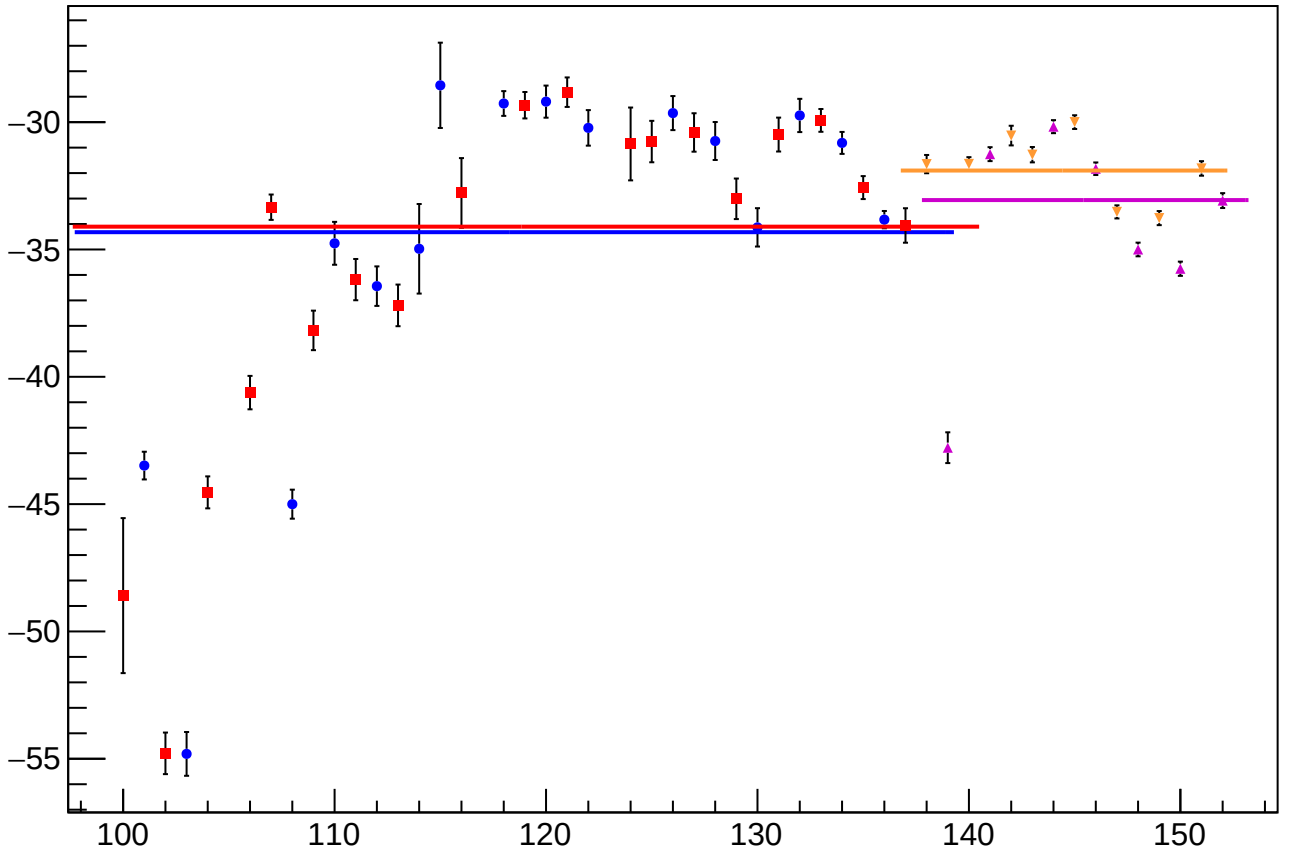
Left: -15.967+/-0.103 χ^2/NDF: 621.9/14

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -15.080+/-0.105 χ^2/NDF:814.2/22

Out: -15.902+/-0.104 χ^2/NDF:707.7/26

All: -15.498+/-0.074 χ^2/NDF: 1552.8/49



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: -33.060+/-0.108 χ^2/NDF:599.4/6

Left: -32.455+/-0.075 χ^2/NDF: 813.5/14

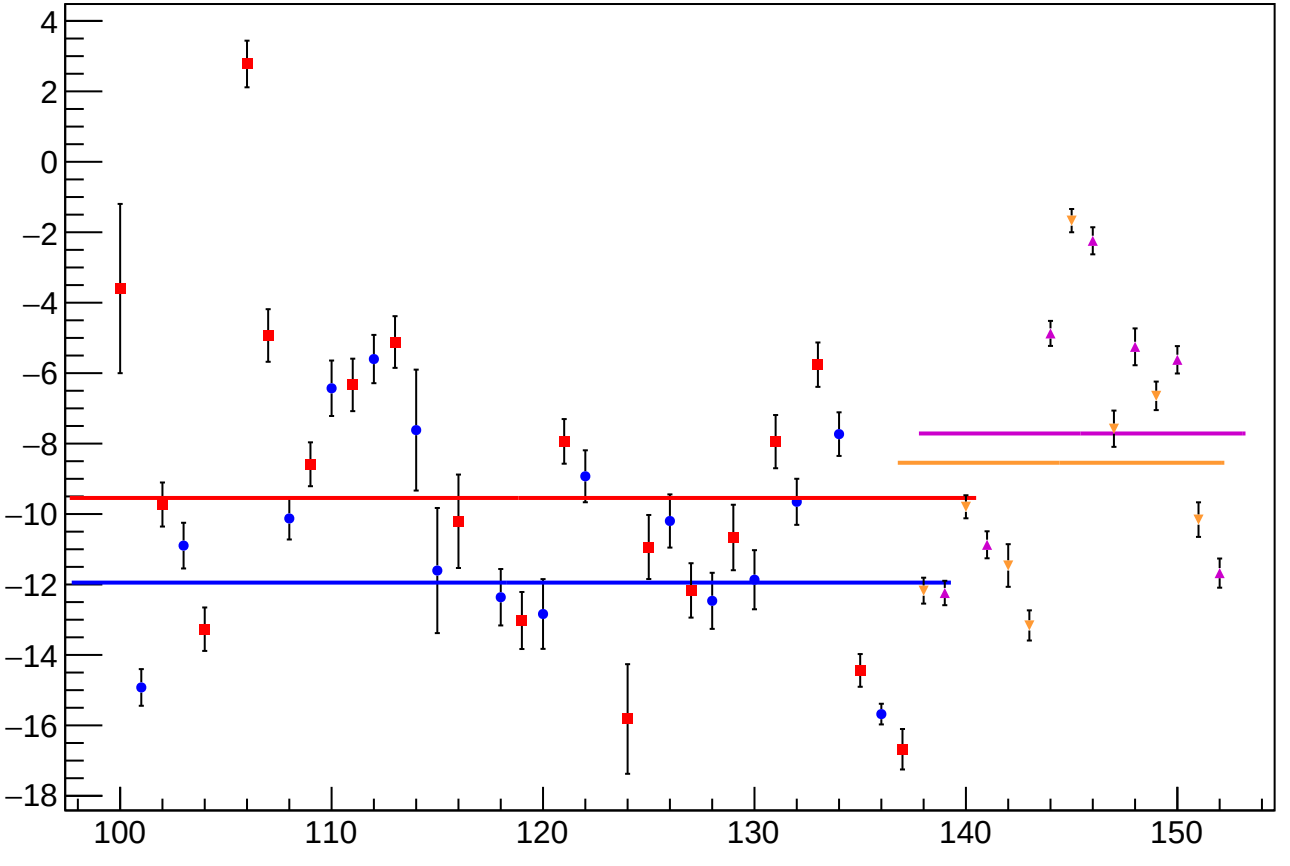
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -33.477+/-0.088 χ^2/NDF:2265.3/22

Out: -32.582+/-0.086 χ^2/NDF:1729.6/26

All: -33.017+/-0.061 χ^2/NDF: 4047.8/49

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: -7.713+/-0.148 χ^2/NDF:647.8/6

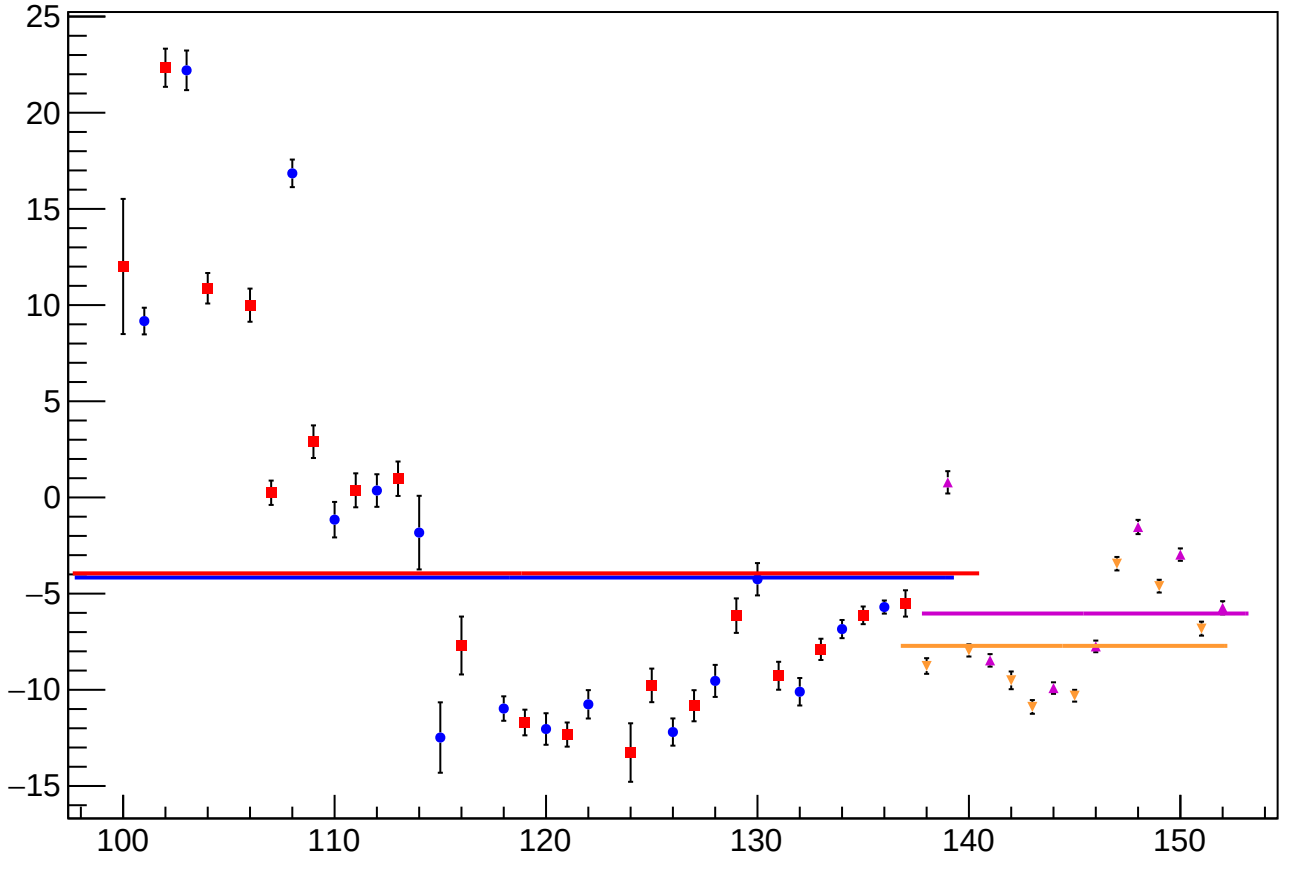
Left: -8.138+/-0.103 χ^2/NDF: 1385.7/14

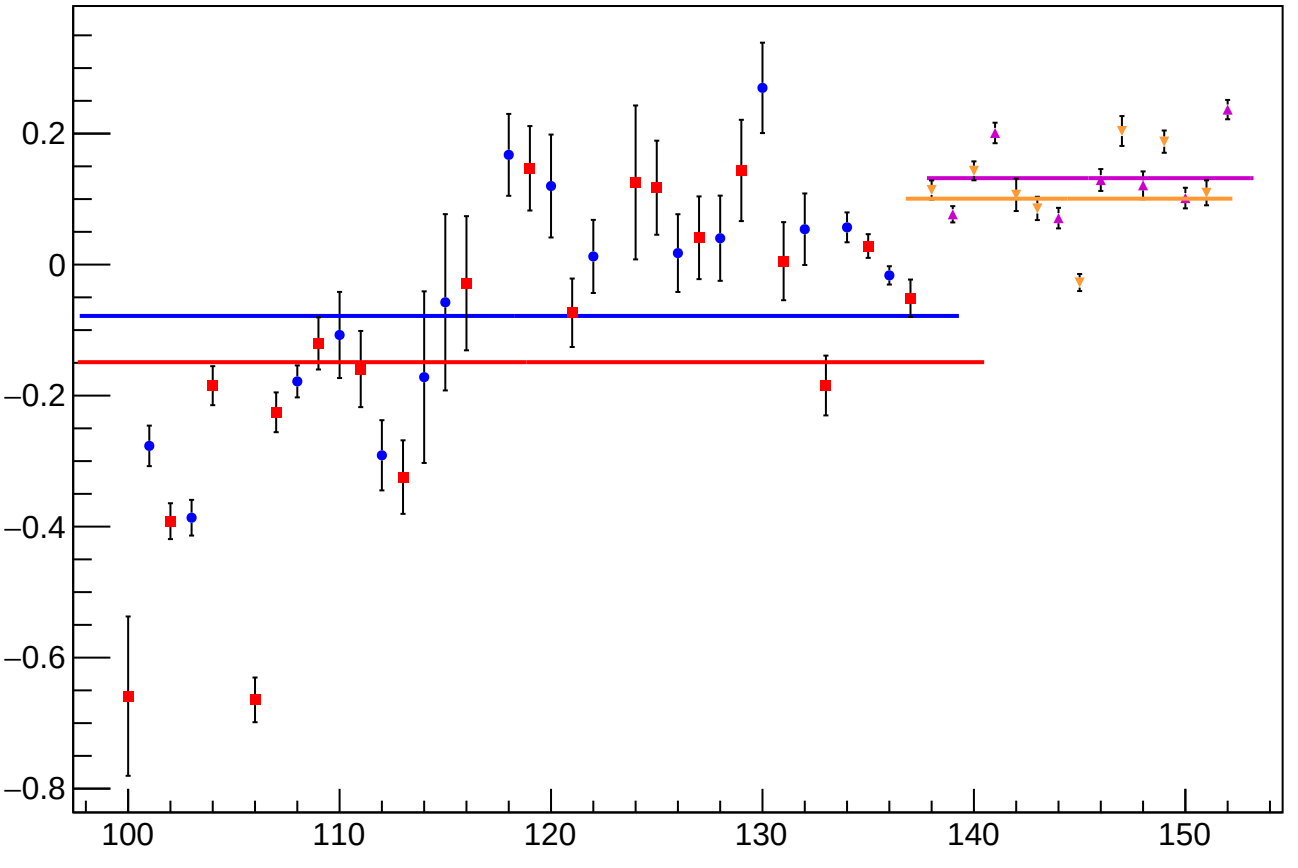
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -9.657+/-0.109 χ^2/NDF:1455.7/22

Out: -8.976+/-0.109 χ^2/NDF:1589.5/26

All: -9.317+/-0.077 χ^2/NDF: 3064.9/49


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: -6.034+/-0.129 χ²/NDF:632.1/6
Left: -6.902+/-0.090 χ²/NDF: 1134.1/14
Right: -4.057+/-0.123 χ²/NDF: 4636.0/34
In: -5.358+/-0.103 χ²/NDF:3232.8/22
Out: -6.450+/-0.102 χ²/NDF:2829.3/26
All: -5.911+/-0.073 χ²/NDF: 6118.7/49



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: 0.132+/-0.006 χ^2/NDF:108.5/6

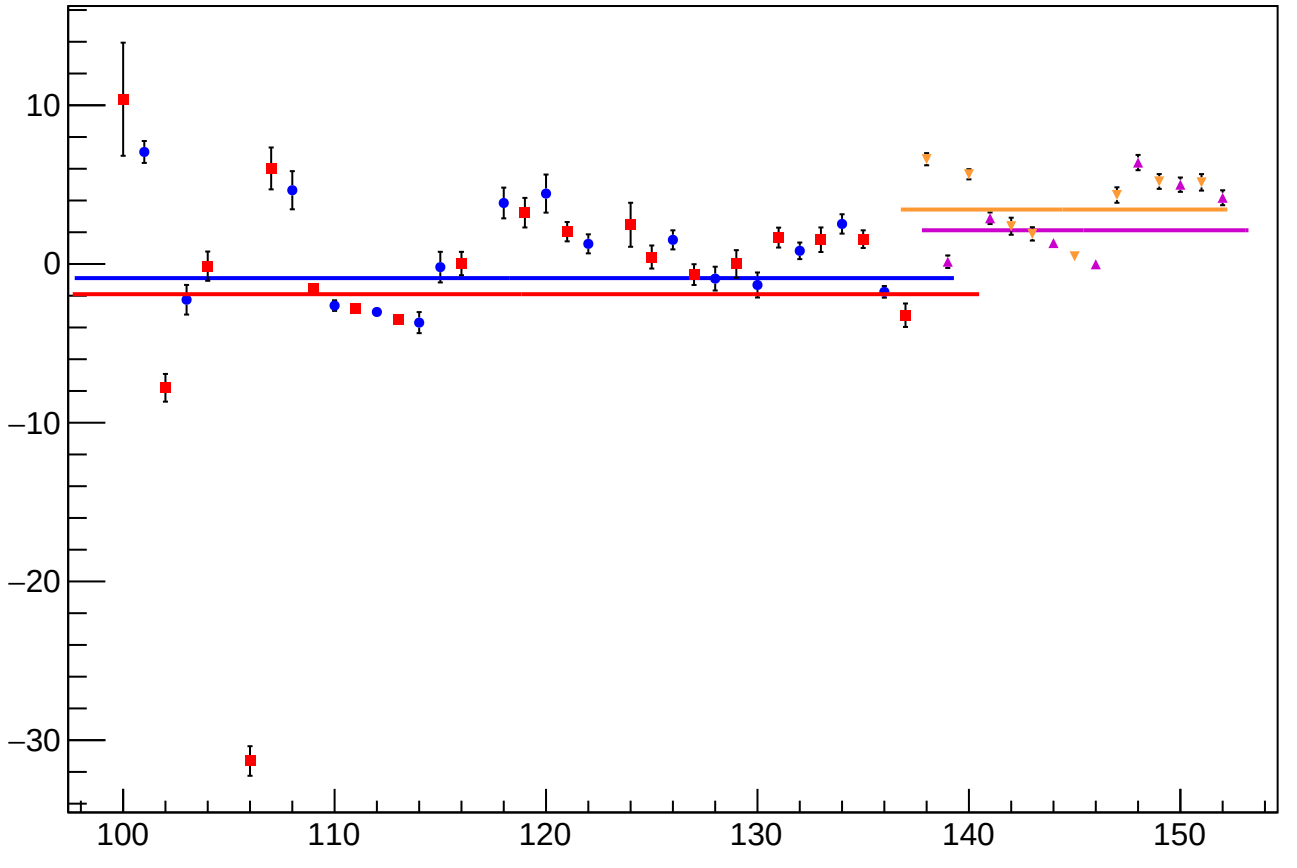
Left: 0.117+/-0.004 χ^2/NDF: 276.2/14

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.065+/-0.005 χ^2/NDF:837.5/22

Out: 0.026+/-0.005 χ^2/NDF:1207.9/26

All: 0.046+/-0.003 χ^2/NDF: 2077.2/49



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: 2.124+/-0.138 χ^2/NDF:226.6/6

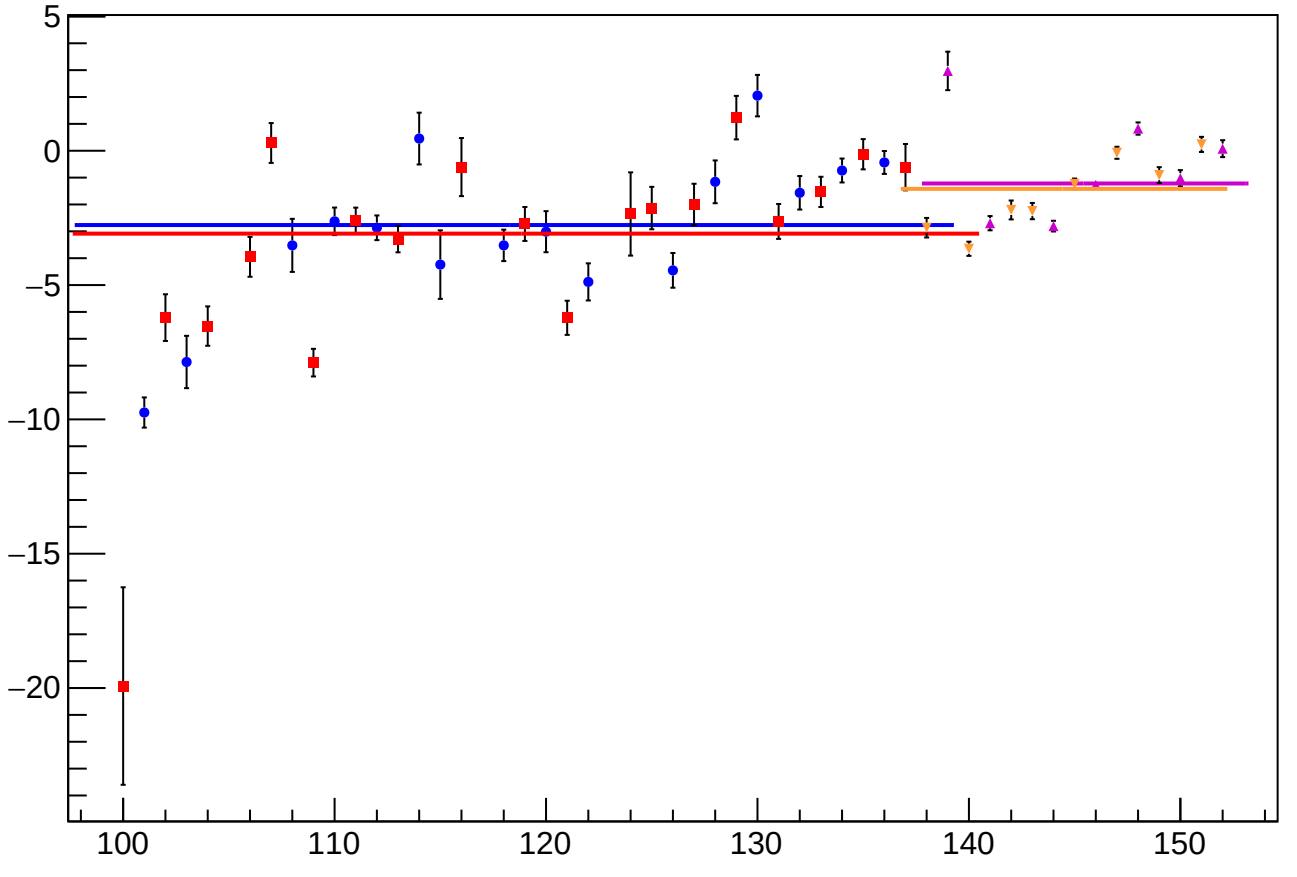
Left: 2.792+/-0.097 χ^2/NDF: 579.9/14

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 0.601+/-0.097 χ^2/NDF:847.5/22

Out: 0.629+/-0.093 χ^2/NDF:2459.0/26

All: 0.615+/-0.067 χ^2/NDF: 3306.5/49



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: -1.219+/-0.094 χ^2/NDF:226.5/6

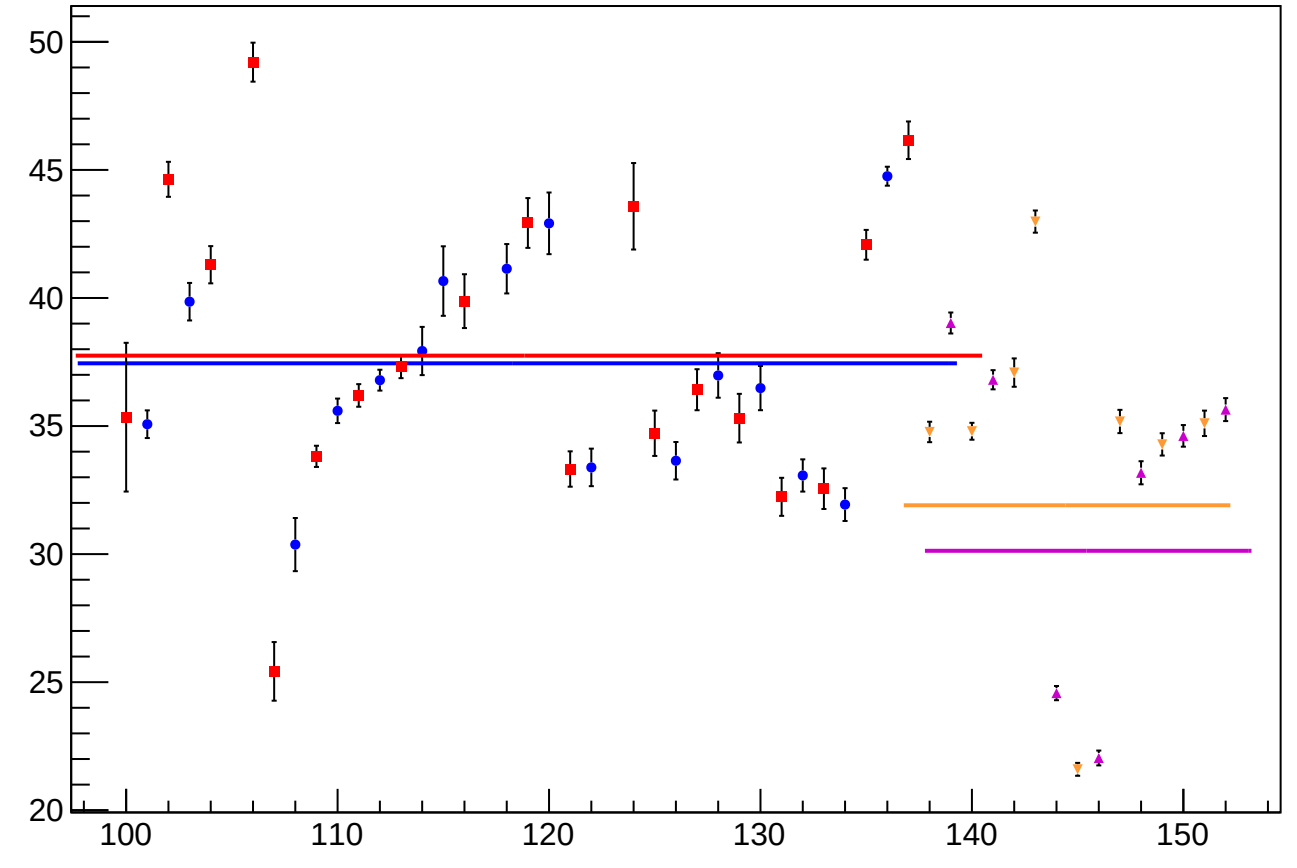
Left: -1.317+/-0.067 χ^2/NDF: 402.4/14

Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.629+/-0.080 χ^2/NDF:608.6/22

Out: -1.867+/-0.082 χ^2/NDF:528.0/26

All: -1.746+/-0.057 χ^2/NDF: 1140.8/49



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 31.906+/-0.136 χ^2/NDF:2660.6/7

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 30.130+/-0.137 χ^2/NDF:2276.5/6

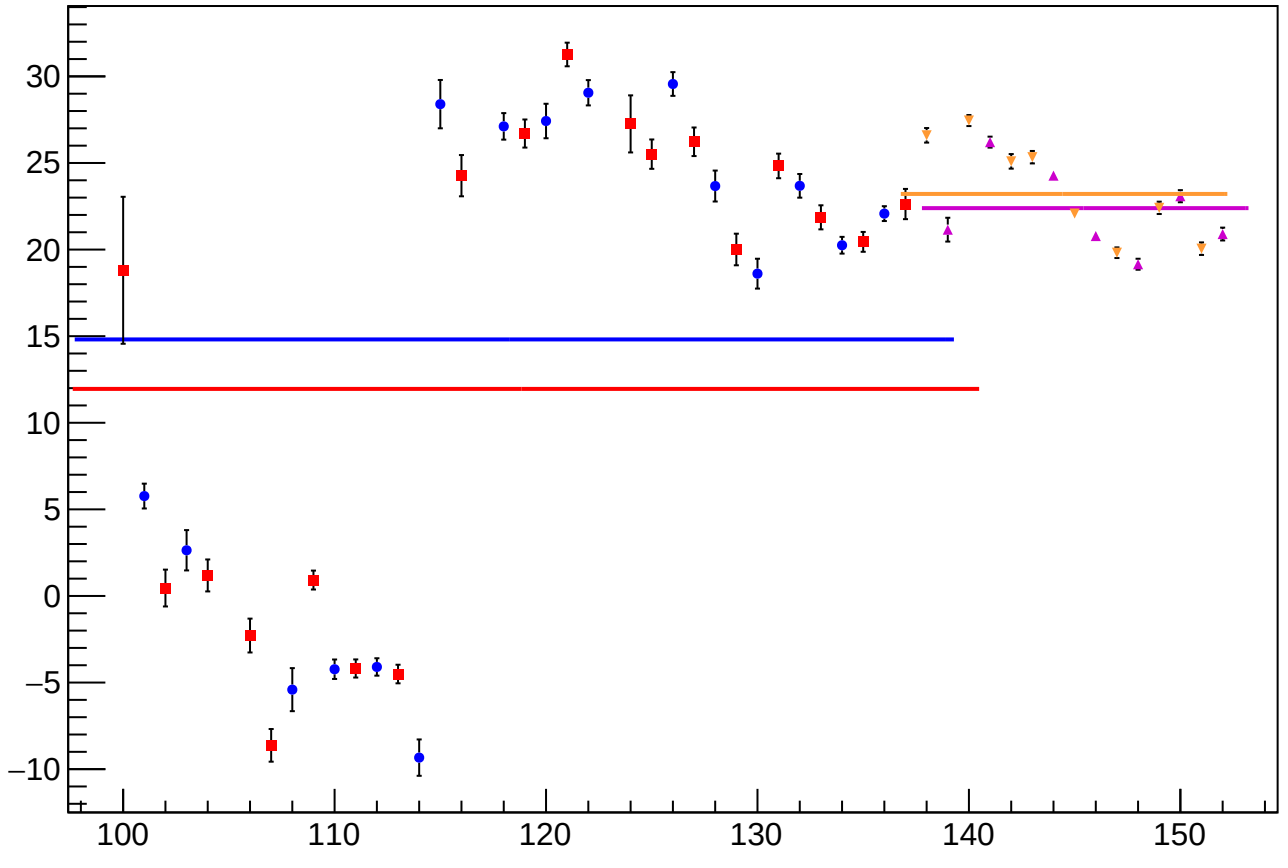
Left: 31.022+/-0.097 χ^2/NDF: 5021.7/14

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 33.205+/-0.104 χ^2/NDF:4185.9/22

Out: 34.371+/-0.104 χ^2/NDF:4400.8/26

All: 33.792+/-0.073 χ^2/NDF: 8649.7/49



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: 22.393+/-0.115 χ^2/NDF:389.7/6

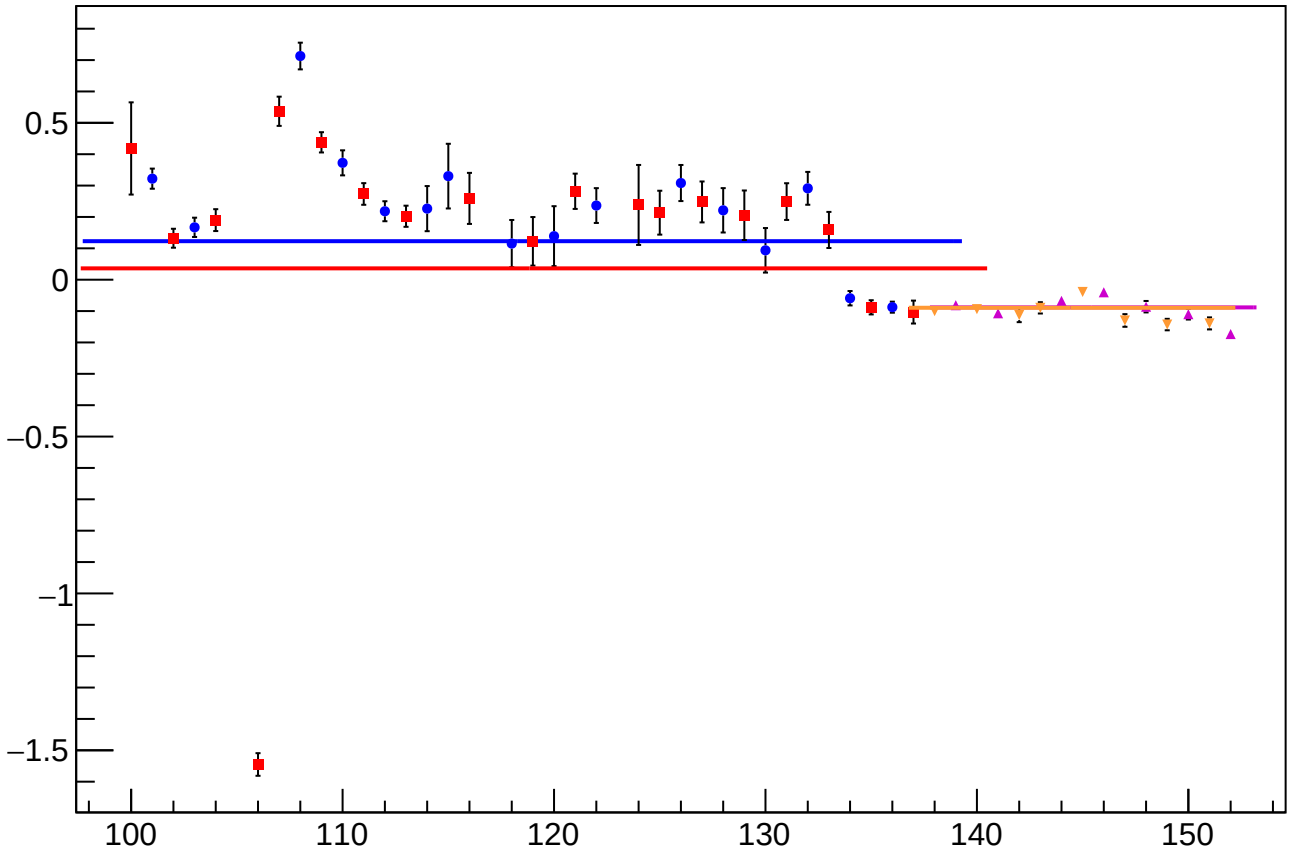
Left: 22.797+/-0.082 χ^2/NDF: 938.4/14

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 20.095+/-0.096 χ^2/NDF:7400.7/22

Out: 19.815+/-0.097 χ^2/NDF:9459.1/26

All: 19.957+/-0.068 χ^2/NDF: 16864.0/49



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: -0.088+/-0.006 χ^2/NDF:49.1/6

Left: -0.089+/-0.004 χ^2/NDF: 95.3/14

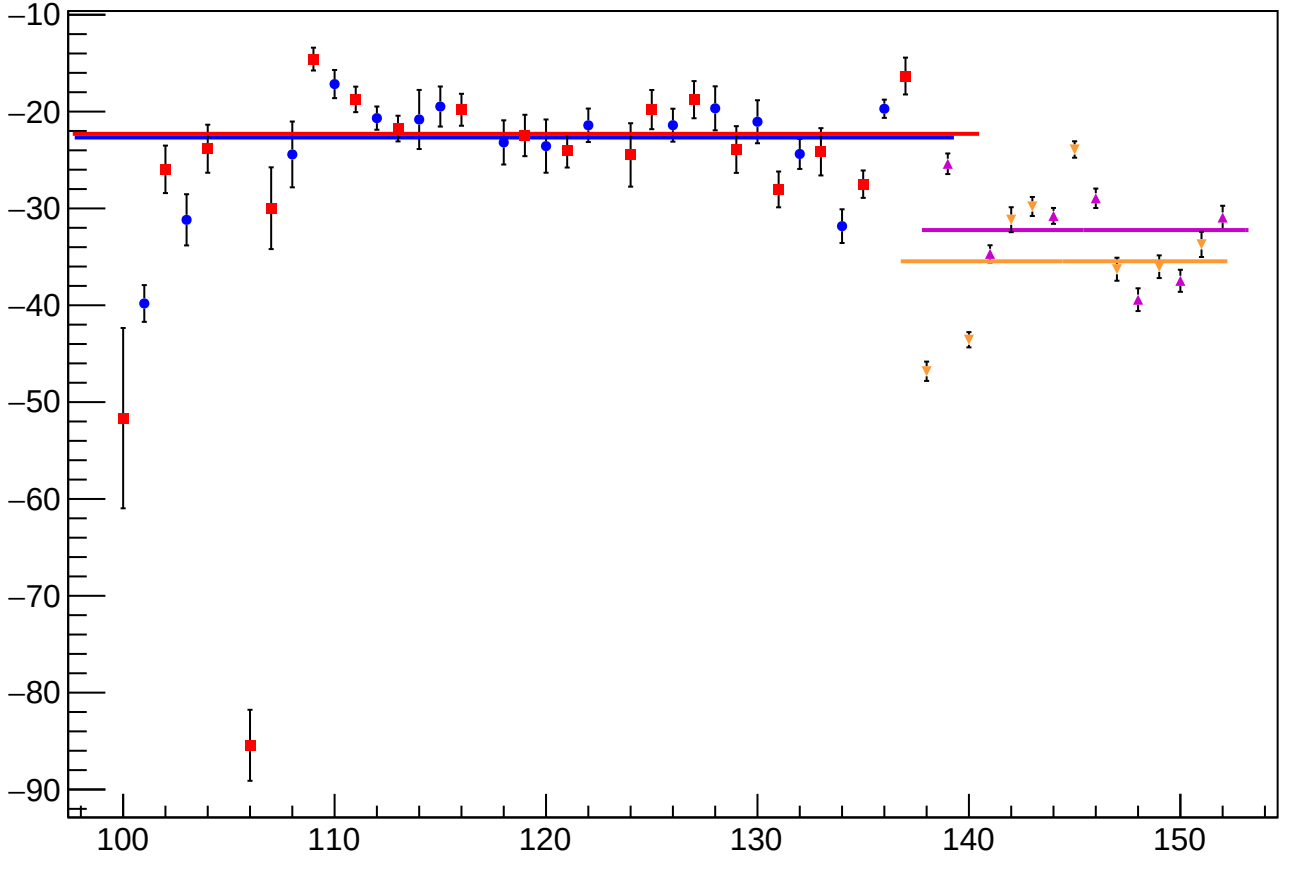
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.034+/-0.005 χ^2/NDF:941.5/22

Out: -0.058+/-0.005 χ^2/NDF:2585.0/26

All: -0.046+/-0.003 χ^2/NDF: 3539.6/49

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.458+/-0.361 χ^2/NDF:467.7/7

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -32.232+/-0.383 χ^2/NDF:122.7/6

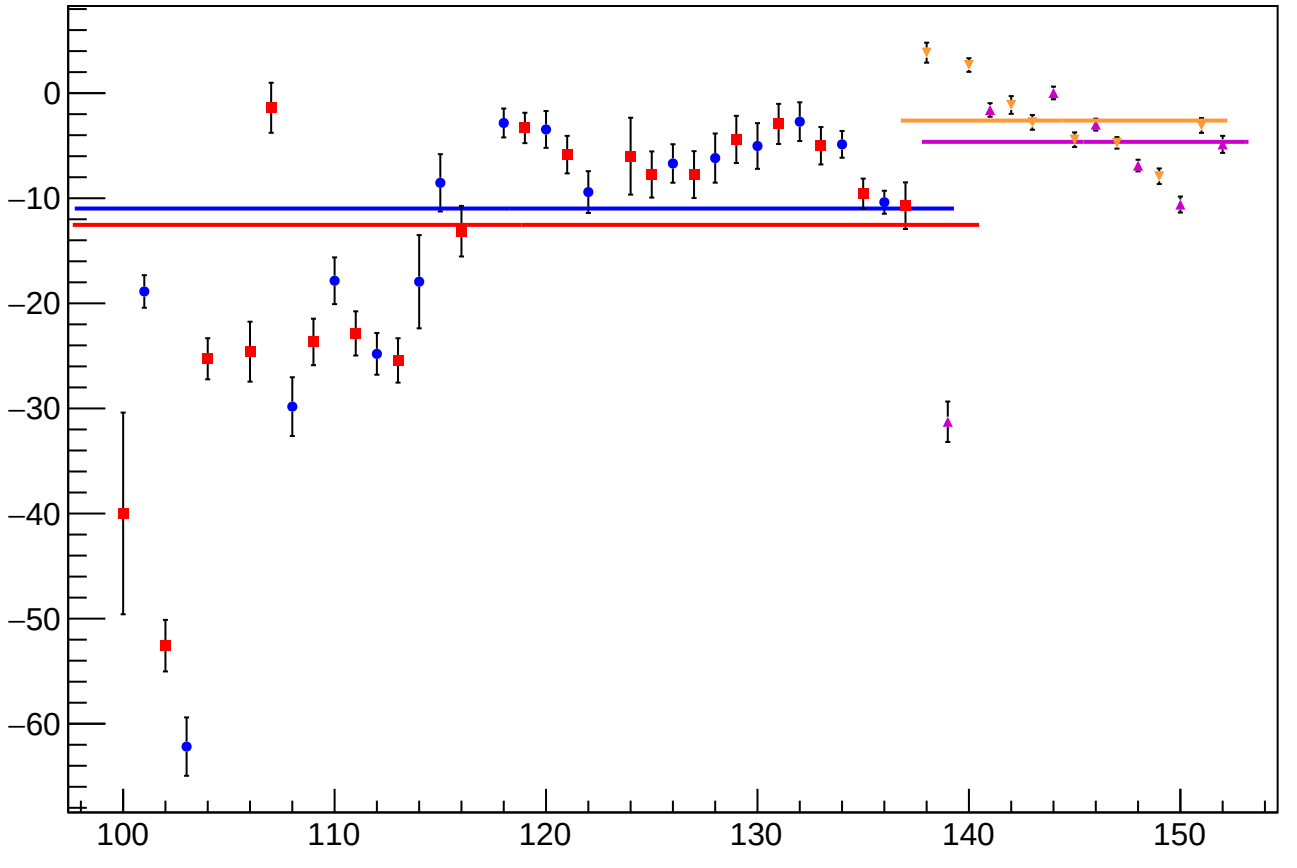
Left: -33.941+/-0.263 χ^2/NDF: 628.0/14

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -28.053+/-0.287 χ^2/NDF:549.4/22

Out: -30.094+/-0.278 χ^2/NDF:1415.3/26

All: -29.108+/-0.200 χ^2/NDF: 1990.8/49



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: -4.634+/-0.258 χ^2/NDF:359.4/6

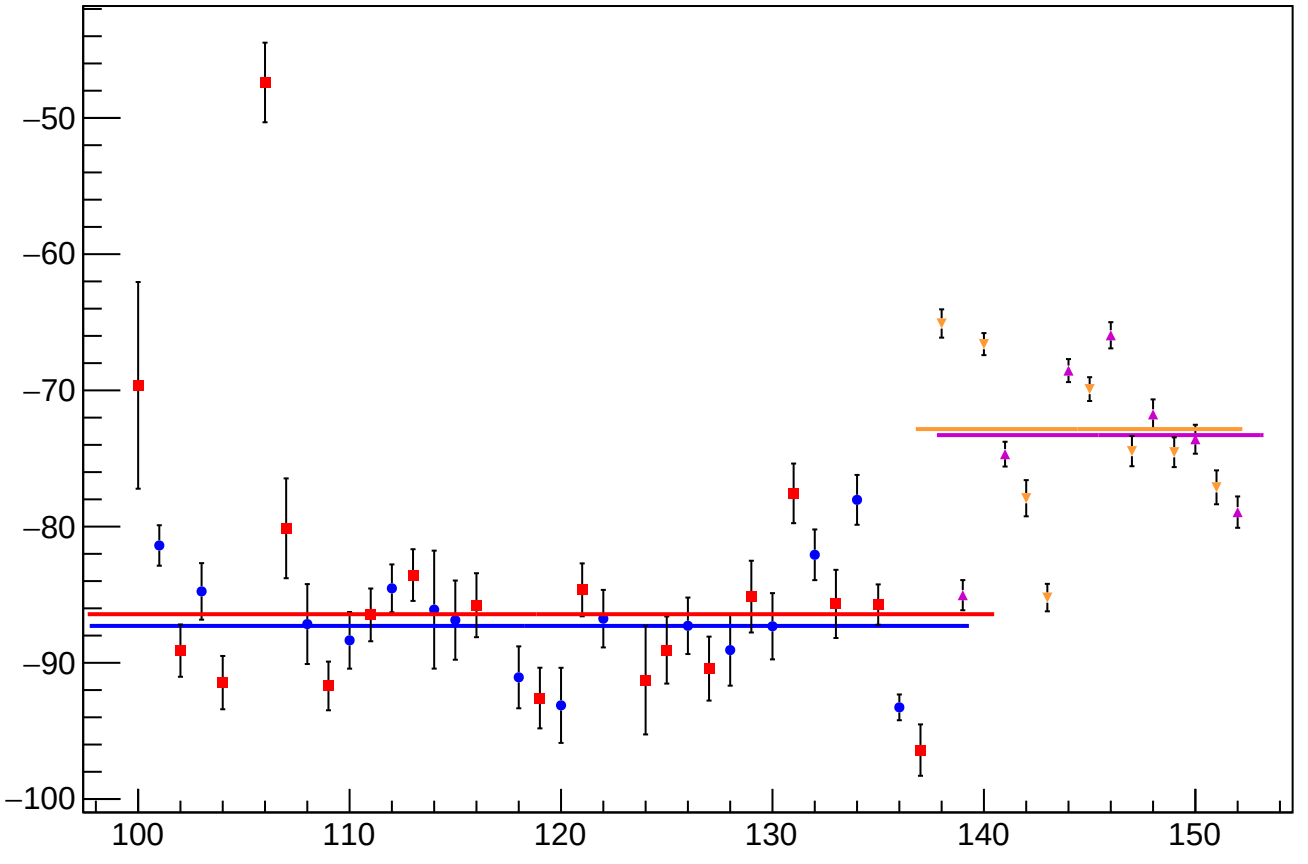
Left: -3.586+/-0.179 χ^2/NDF: 580.2/14

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -6.184+/-0.224 χ^2/NDF:1094.6/22

Out: -4.704+/-0.221 χ^2/NDF:1096.9/26

All: -5.434+/-0.157 χ^2/NDF: 2213.7/49



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -72.840+/-0.363 χ^2/NDF:307.9/7

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -73.283+/-0.379 χ^2/NDF:230.6/6

Left: -73.052+/-0.262 χ^2/NDF: 539.1/14

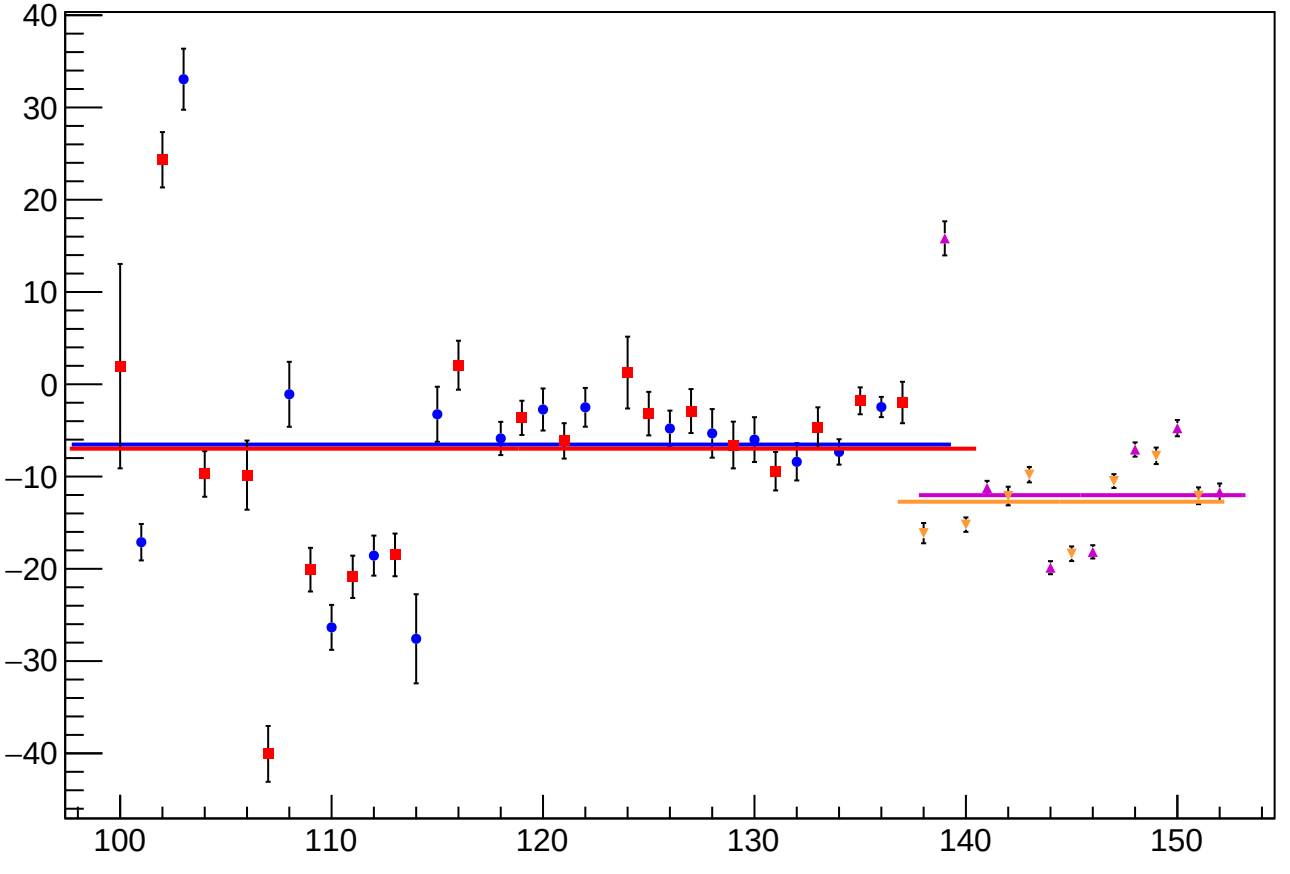
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -78.650+/-0.297 χ^2/NDF:855.8/22

Out: -77.452+/-0.295 χ^2/NDF:1049.5/26

All: -78.045+/-0.209 χ^2/NDF: 1913.5/49

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: -12.018+/-0.317 χ^2/NDF:532.7/6

Left: -12.386+/-0.220 χ^2/NDF: 658.0/14

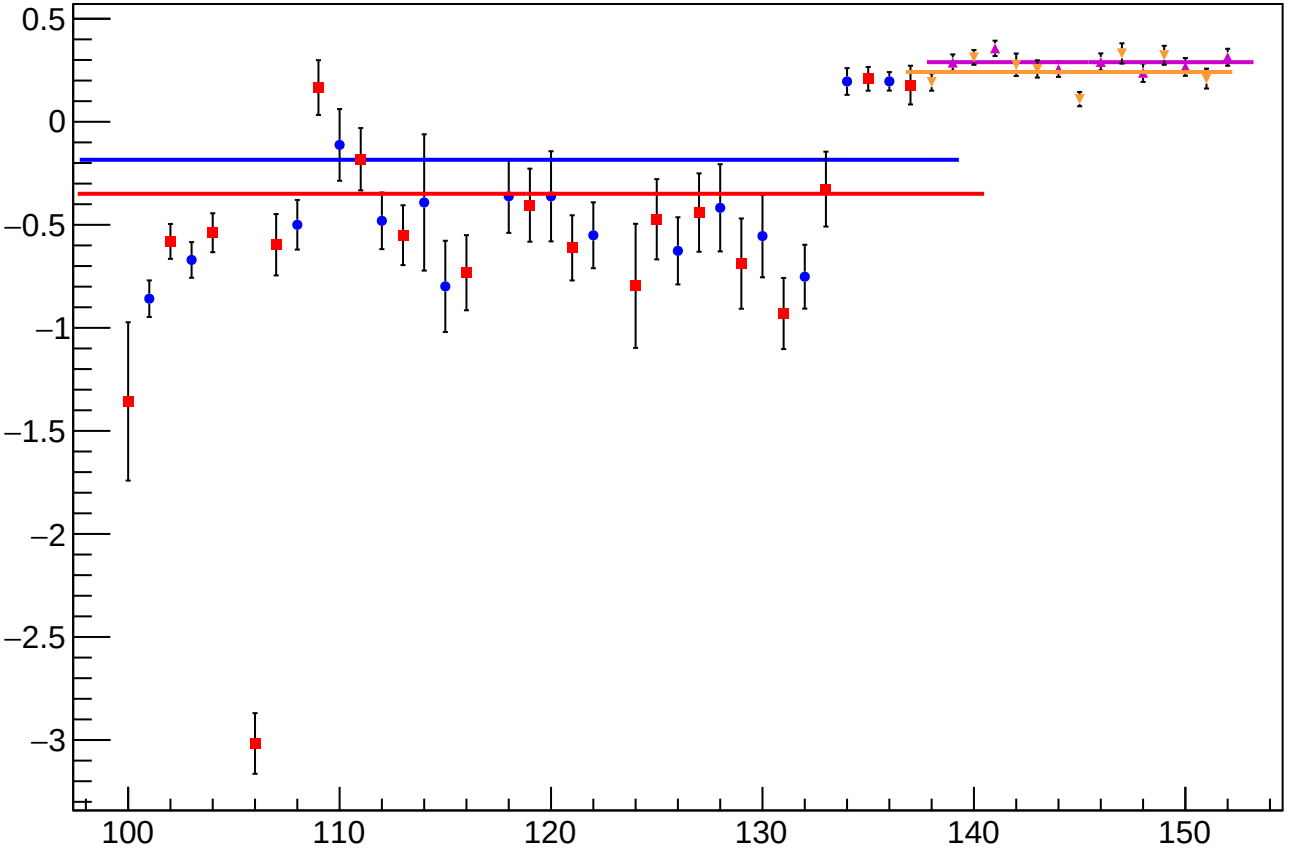
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -10.483+/-0.269 χ^2/NDF:930.5/22

Out: -11.338+/-0.266 χ^2/NDF:576.4/26

All: -10.914+/-0.189 χ^2/NDF: 1512.1/49

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: 0.289+/-0.015 χ^2/NDF:6.0/6

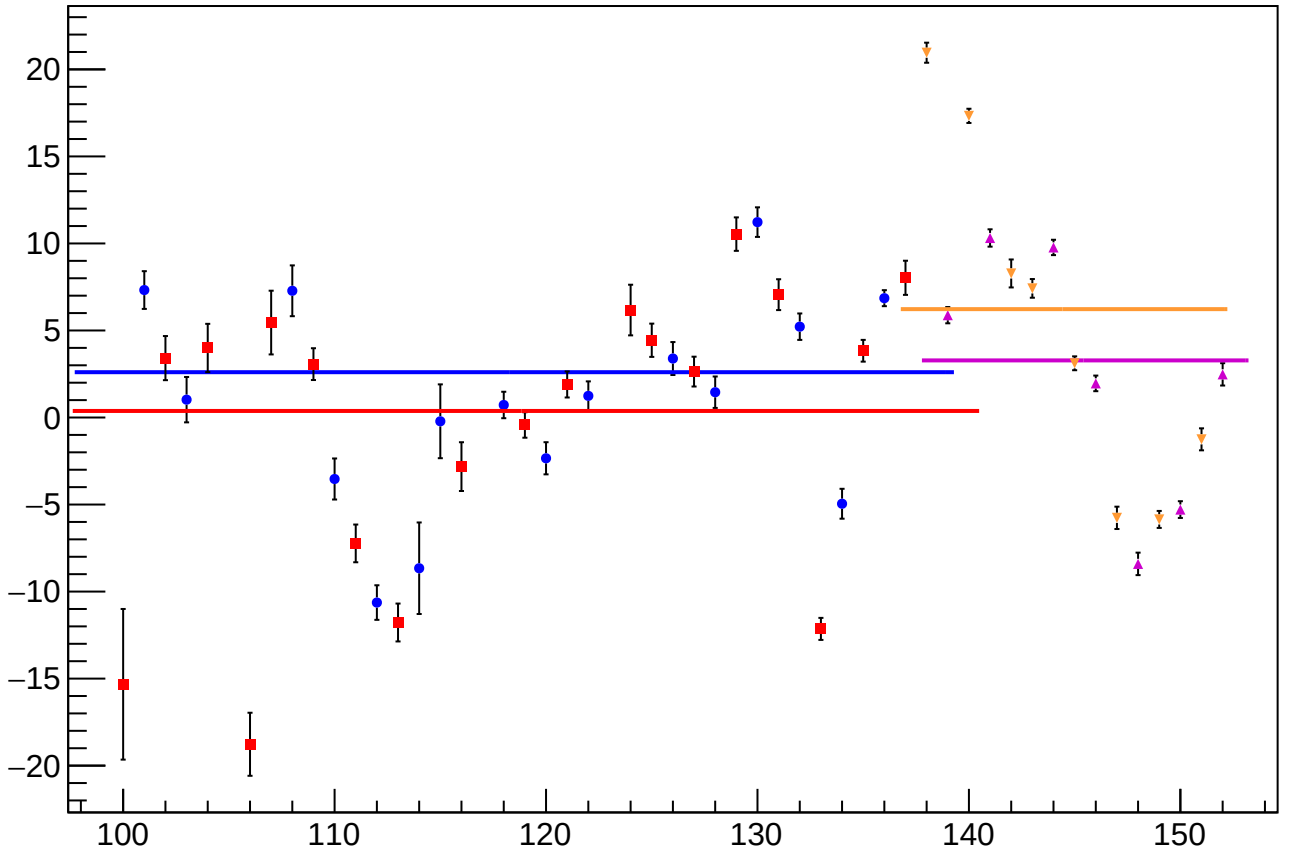
Left: 0.265+/-0.011 χ^2/NDF: 38.0/14

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.173+/-0.013 χ^2/NDF:489.3/22

Out: 0.118+/-0.013 χ^2/NDF:864.6/26

All: 0.145+/-0.009 χ^2/NDF: 1362.5/49



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: 3.281+/-0.189 χ^2/NDF:1102.8/6

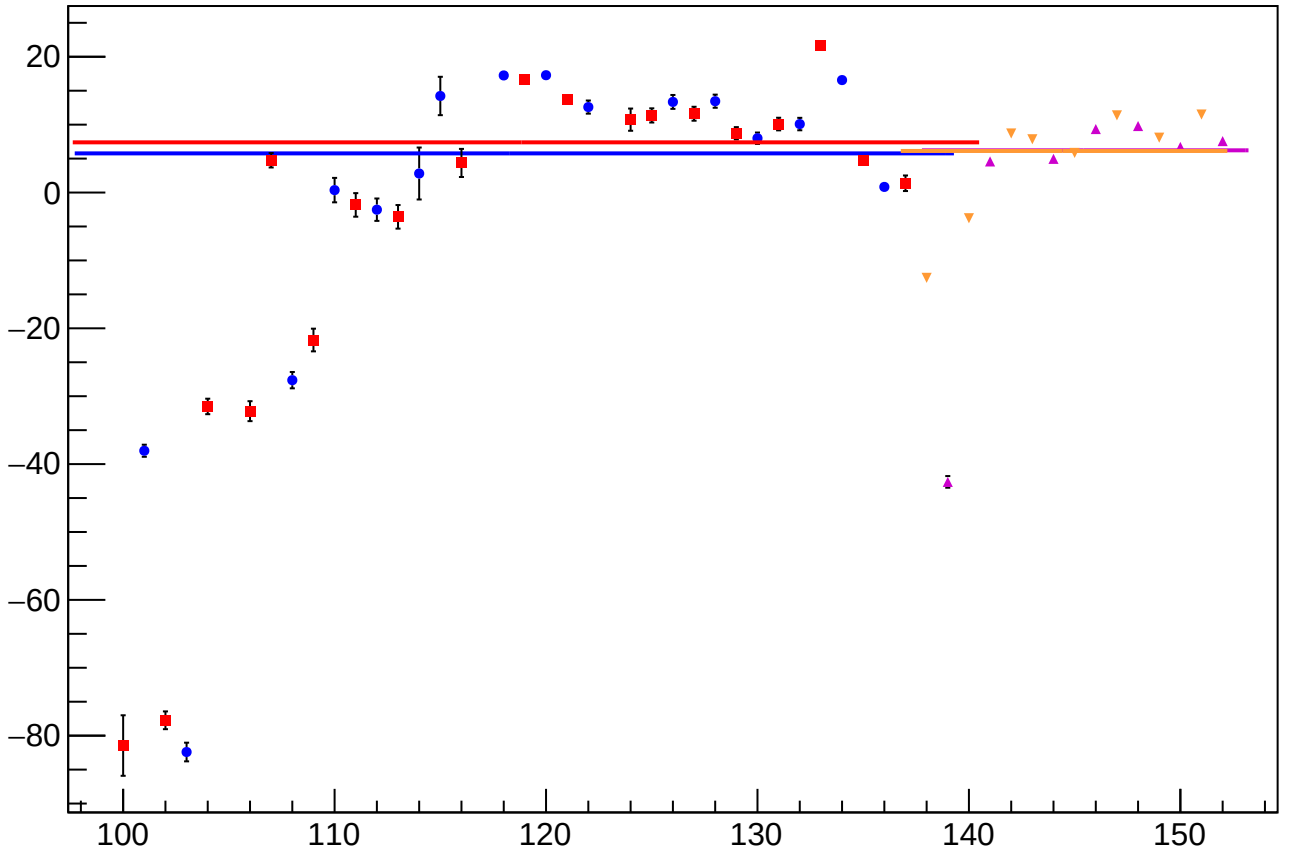
Left: 4.794+/-0.132 χ^2/NDF: 3794.2/14

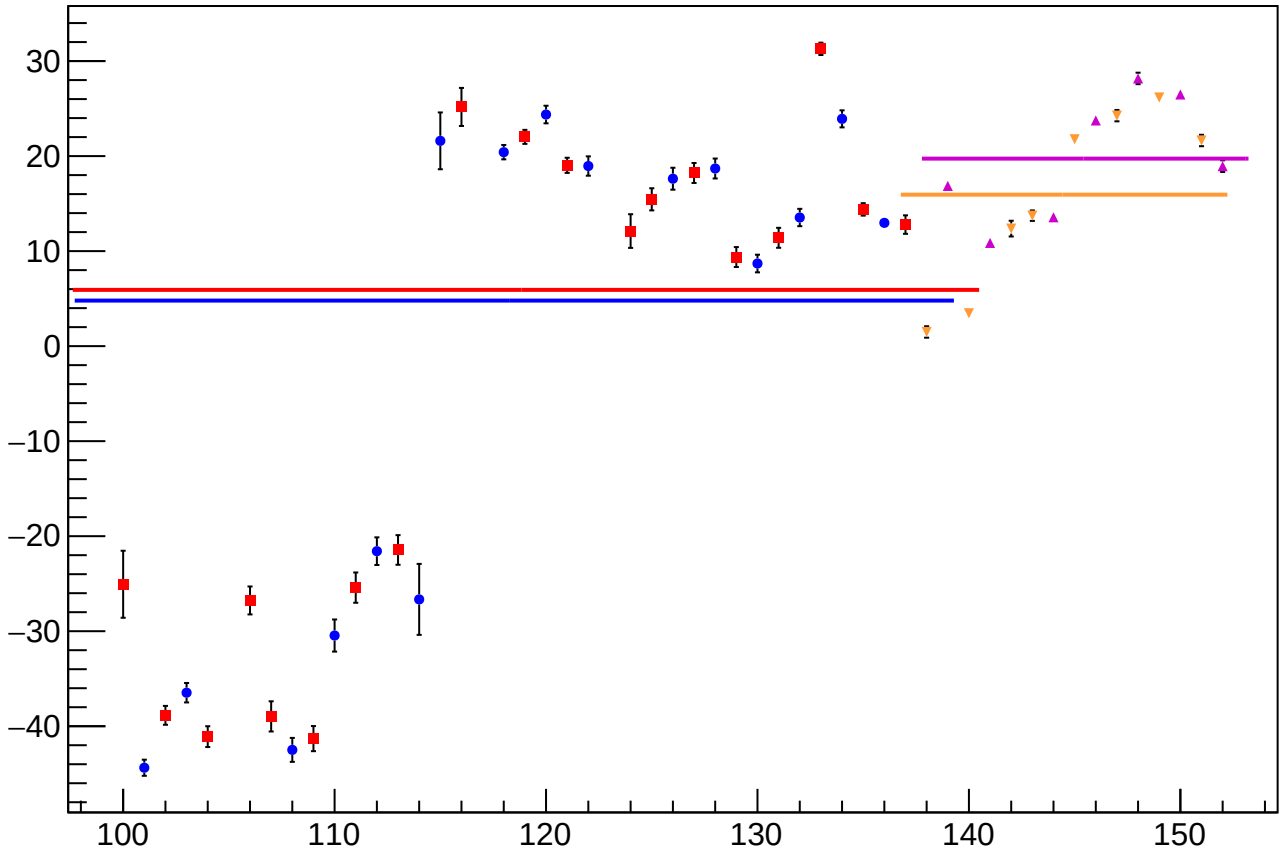
Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 2.999+/-0.145 χ^2/NDF:1681.3/22

Out: 3.844+/-0.142 χ^2/NDF:4008.5/26

All: 3.430+/-0.101 χ^2/NDF: 5707.2/49


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: 6.219+/-0.133 χ²/NDF:3544.7/6
Left: 6.171+/-0.093 χ²/NDF: 6036.0/14
Right: 6.585+/-0.148 χ²/NDF: 17354.6/34
In: 6.090+/-0.112 χ²/NDF:12481.9/22
Out: 6.475+/-0.110 χ²/NDF:10908.3/26
All: 6.287+/-0.078 χ²/NDF: 23396.2/49



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: 19.735+/-0.187 χ^2/NDF:1029.5/6

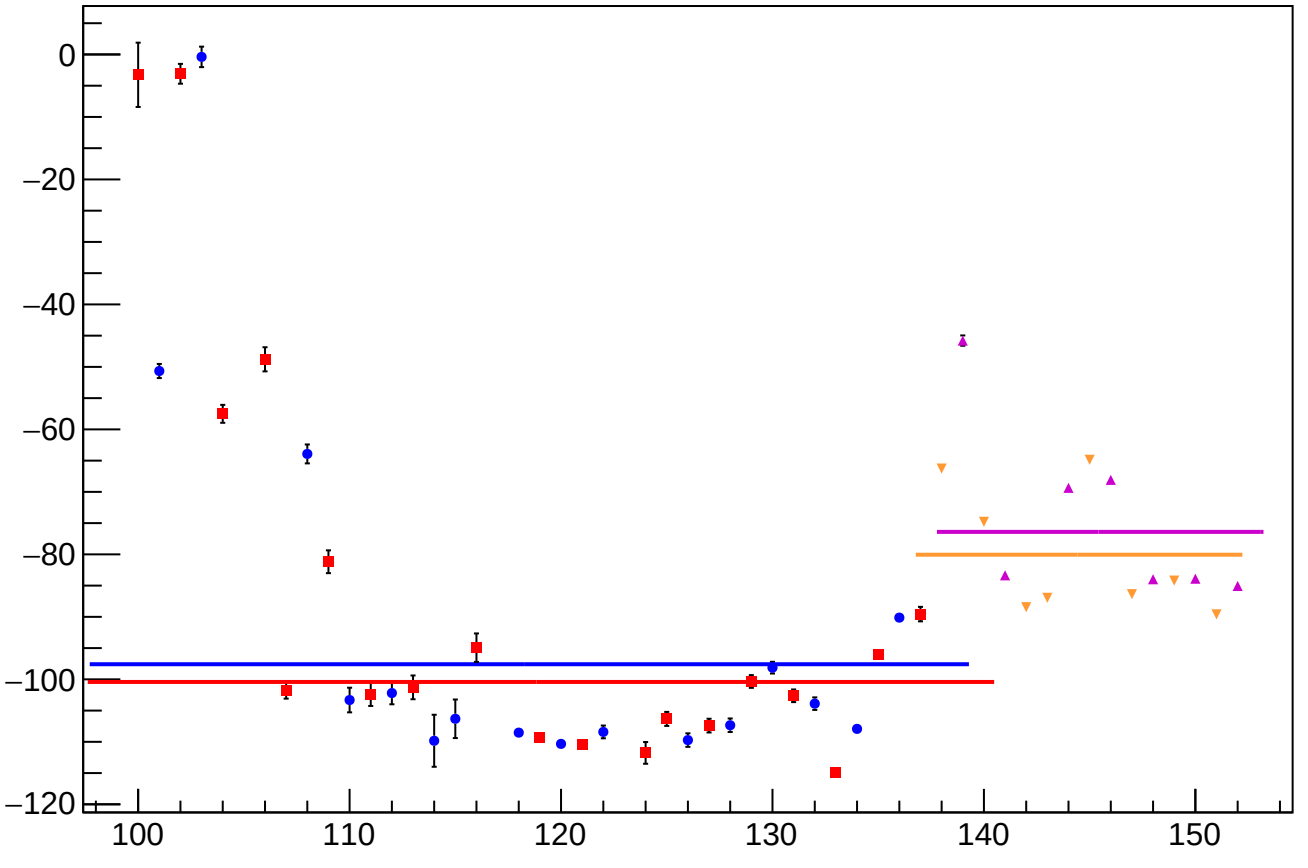
Left: 17.809+/-0.131 χ^2/NDF: 3722.8/14

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 14.020+/-0.147 χ^2/NDF:12972.1/22

Out: 12.227+/-0.146 χ^2/NDF:13641.4/26

All: 13.119+/-0.104 χ^2/NDF: 26688.5/49



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: -76.403+/-0.161 χ^2/NDF:3578.6/6

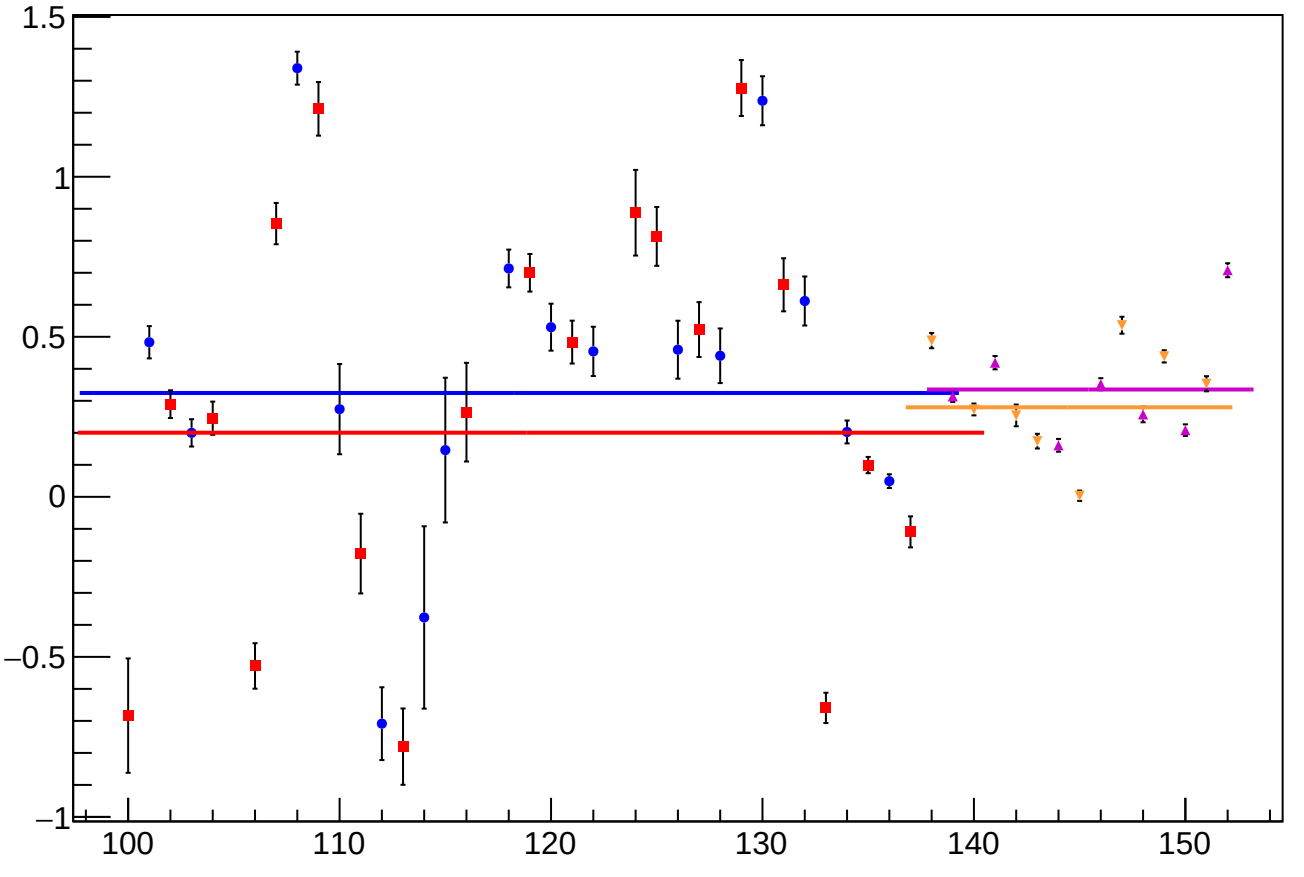
Left: -78.272+/-0.112 χ^2/NDF: 7274.5/14

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -82.893+/-0.134 χ^2/NDF:16048.2/22

Out: -86.127+/-0.132 χ^2/NDF:15557.8/26

All: -84.537+/-0.094 χ^2/NDF: 31903.0/49



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: 0.335+/-0.008 χ^2/NDF:443.8/6

Left: 0.308+/-0.005 χ^2/NDF: 1032.9/14

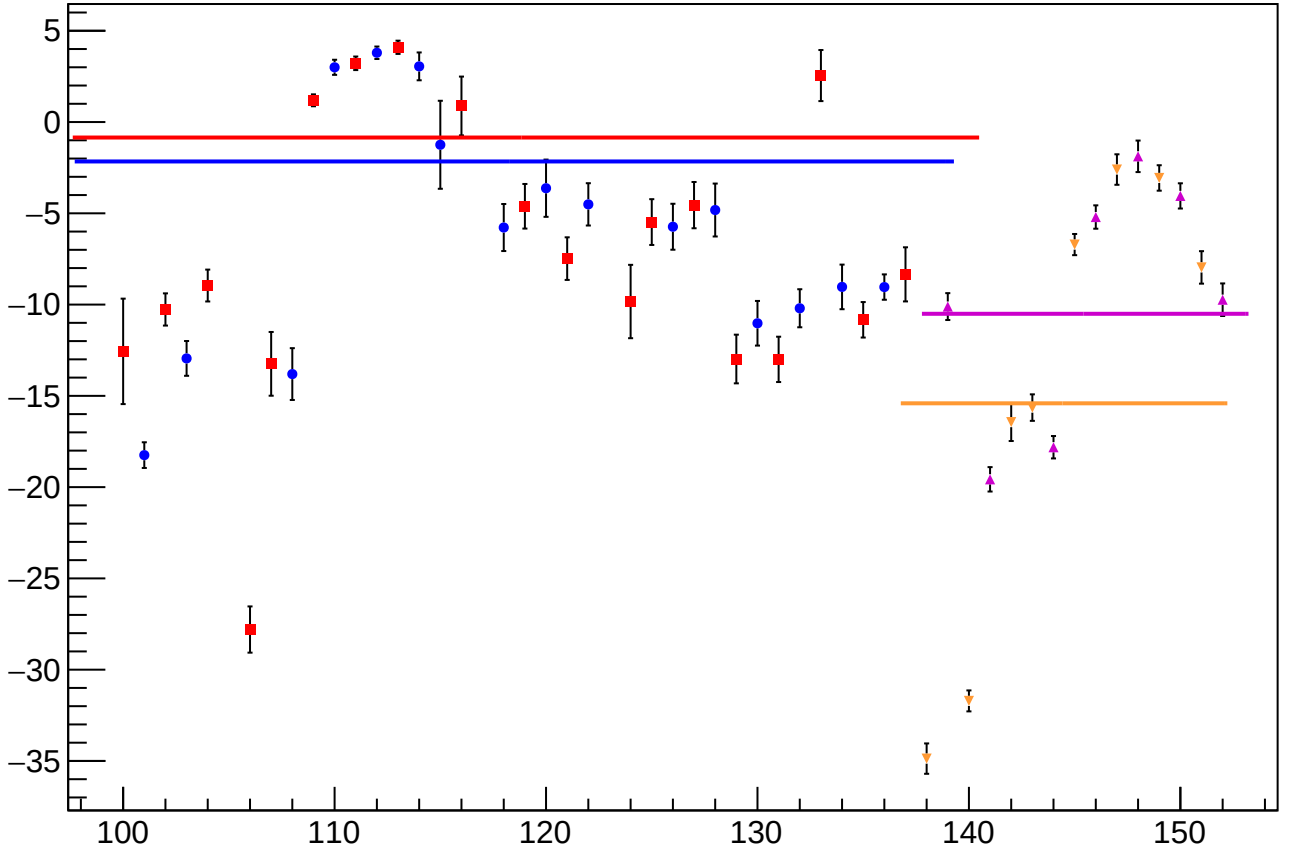
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.333+/-0.007 χ^2/NDF:1330.8/22

Out: 0.261+/-0.007 χ^2/NDF:1793.7/26

All: 0.298+/-0.005 χ^2/NDF: 3182.7/49

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: -10.505+/-0.268 χ^2/NDF:582.8/6

Left: -13.055+/-0.186 χ^2/NDF: 2954.0/14

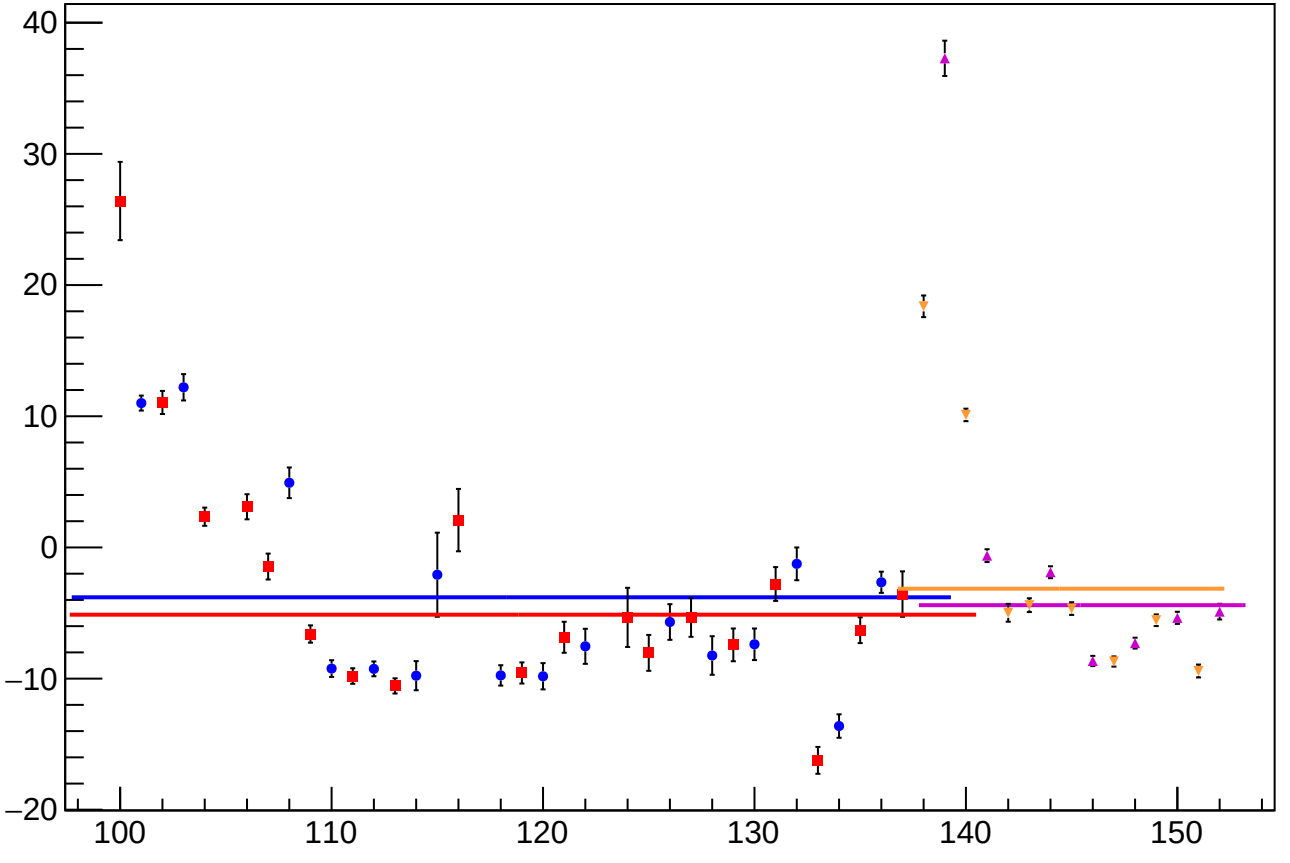
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -4.983+/-0.156 χ^2/NDF:2713.1/22

Out: -5.272+/-0.142 χ^2/NDF:5881.6/26

All: -5.141+/-0.105 χ^2/NDF: 8596.6/49

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: -4.400+/-0.184 χ^2/NDF:1223.4/6

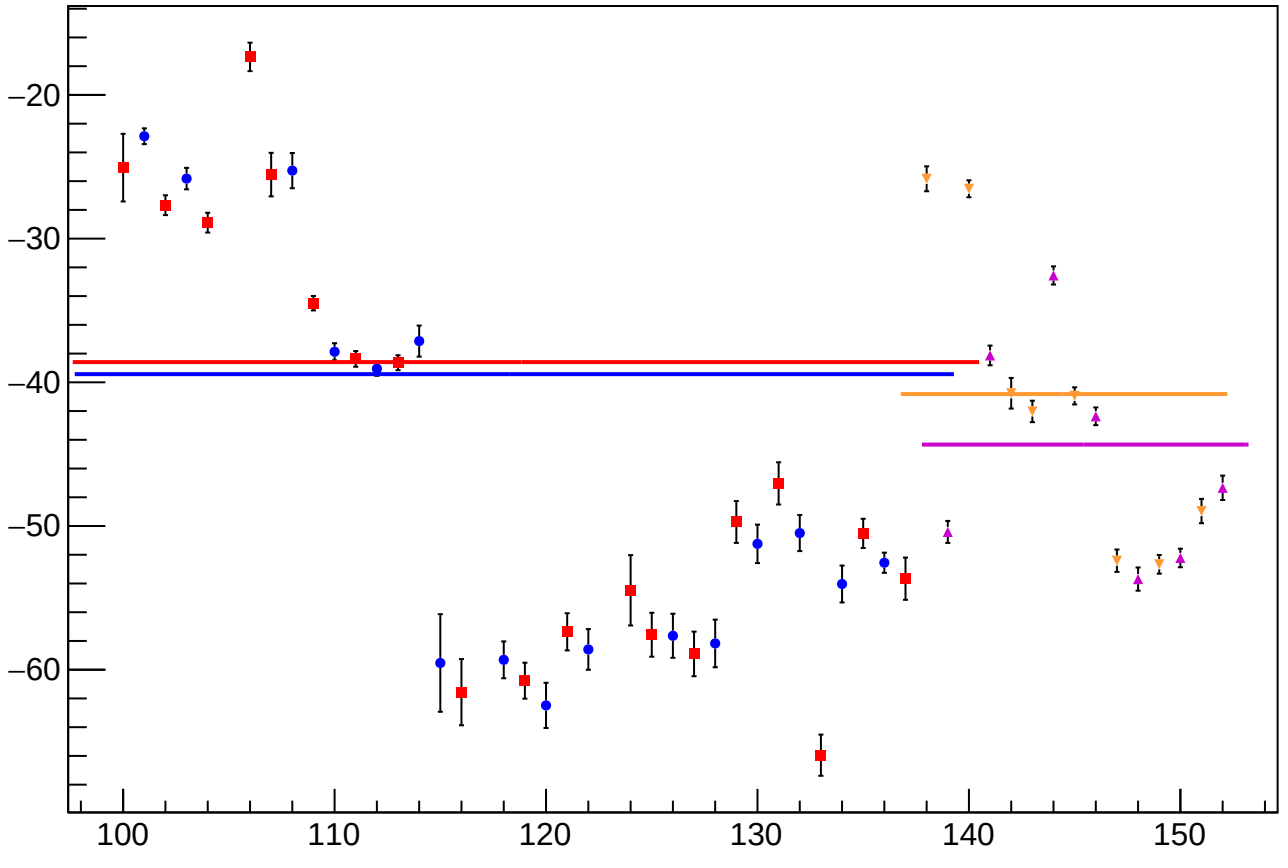
Left: -3.750+/-0.128 χ^2/NDF: 3114.8/14

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -4.160+/-0.143 χ^2/NDF:2653.2/22

Out: -3.932+/-0.138 χ^2/NDF:2897.2/26

All: -4.042+/-0.099 χ^2/NDF: 5551.8/49



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -40.816+/-0.257 χ^2/NDF:1530.1/7

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -44.332+/-0.265 χ^2/NDF:797.5/6

Left: -42.527+/-0.185 χ^2/NDF: 2418.3/14

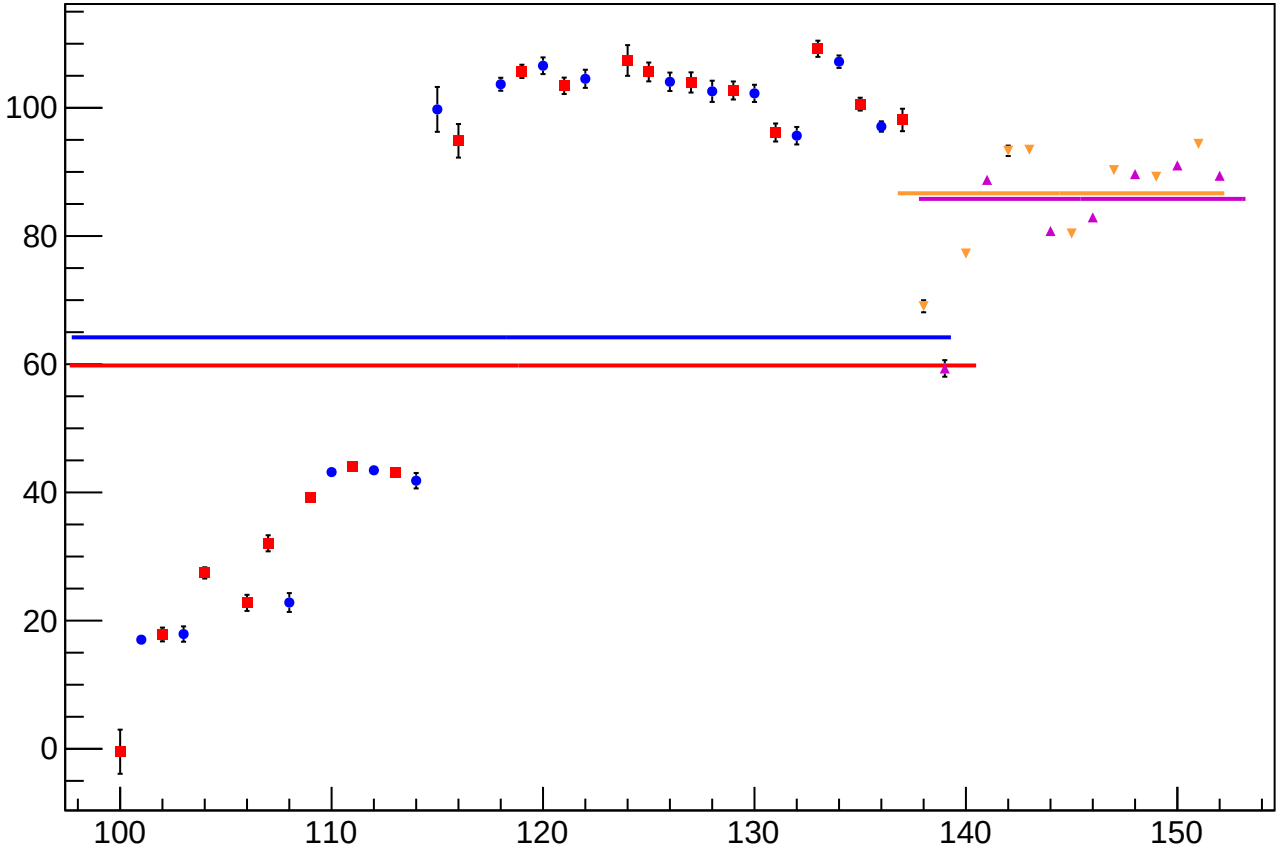
Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -41.493+/-0.172 χ^2/NDF:3954.4/22

Out: -39.494+/-0.164 χ^2/NDF:4346.6/26

All: -40.448+/-0.119 χ^2/NDF: 8372.0/49

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: 85.796+/-0.224 χ^2/NDF:736.5/6

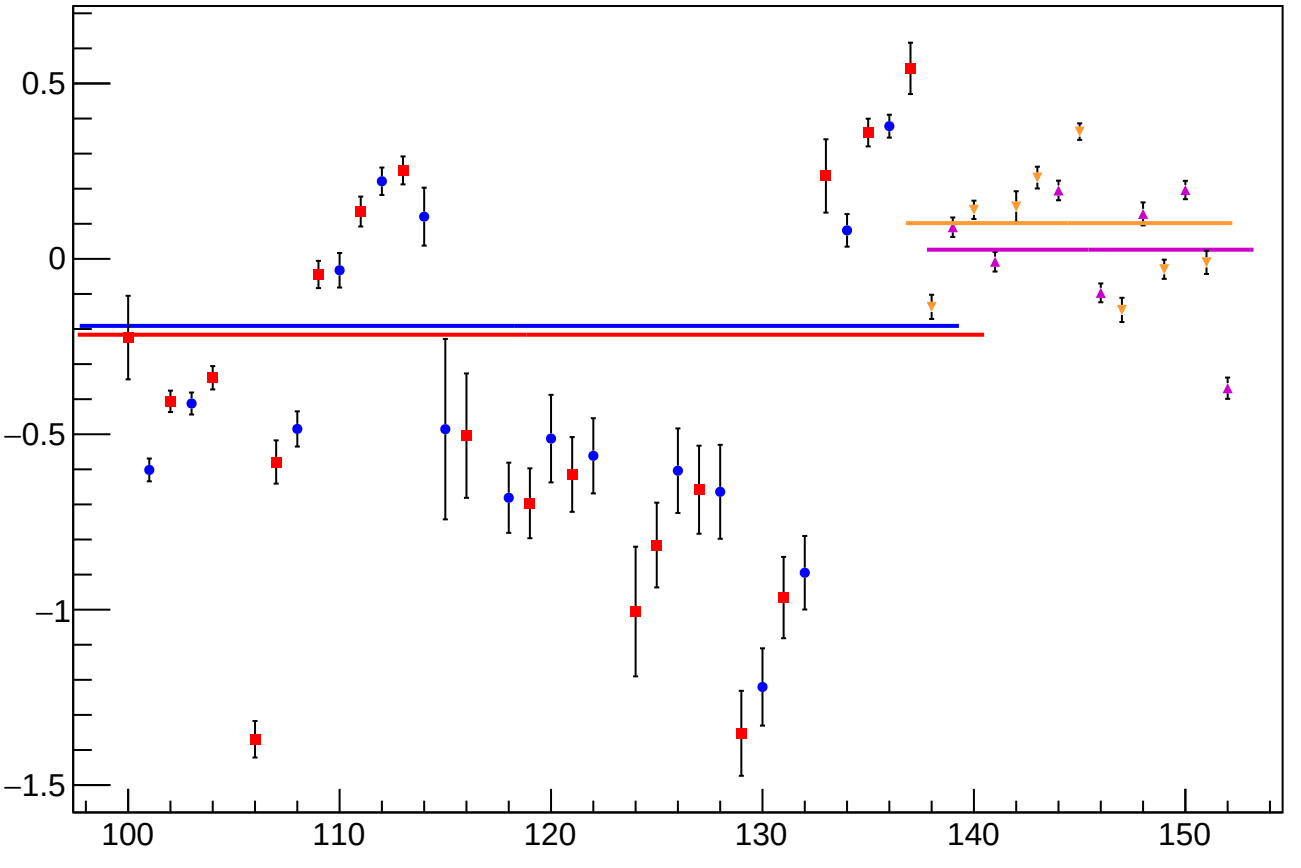
Left: 86.245+/-0.156 χ^2/NDF: 1897.8/14

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 76.503+/-0.169 χ^2/NDF:23342.1/22

Out: 75.030+/-0.164 χ^2/NDF:25195.2/26

All: 75.743+/-0.118 χ^2/NDF: 48576.6/49



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.102+/-0.011 χ^2/NDF:276.9/7

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: 0.026+/-0.011 χ^2/NDF:285.6/6

Left: 0.064+/-0.008 χ^2/NDF: 587.5/14

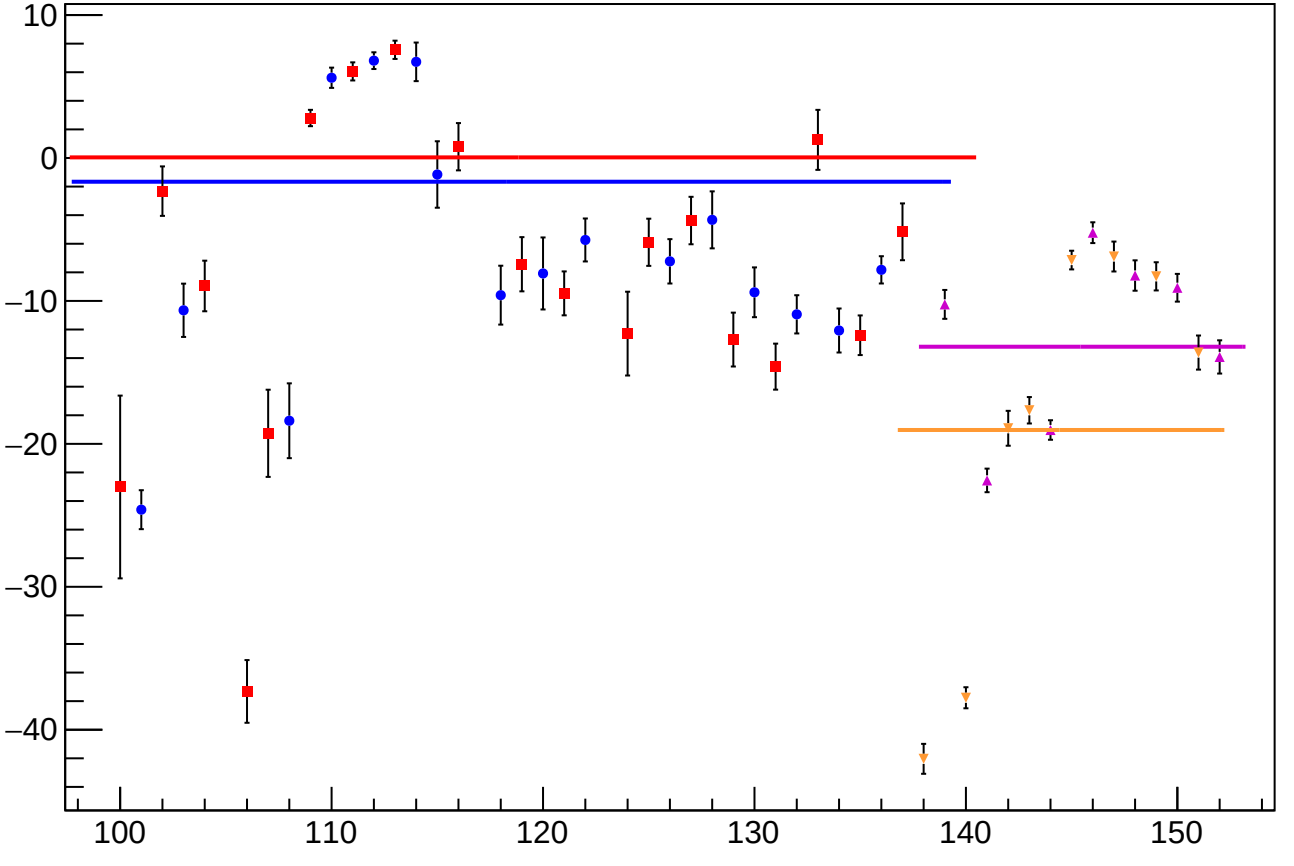
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.058+/-0.008 χ^2/NDF:1363.8/22

Out: -0.027+/-0.008 χ^2/NDF:2004.3/26

All: -0.042+/-0.006 χ^2/NDF: 3375.1/49

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: -13.204+/-0.330 χ^2/NDF:370.6/6

Left: -16.181+/-0.231 χ^2/NDF: 2266.8/14

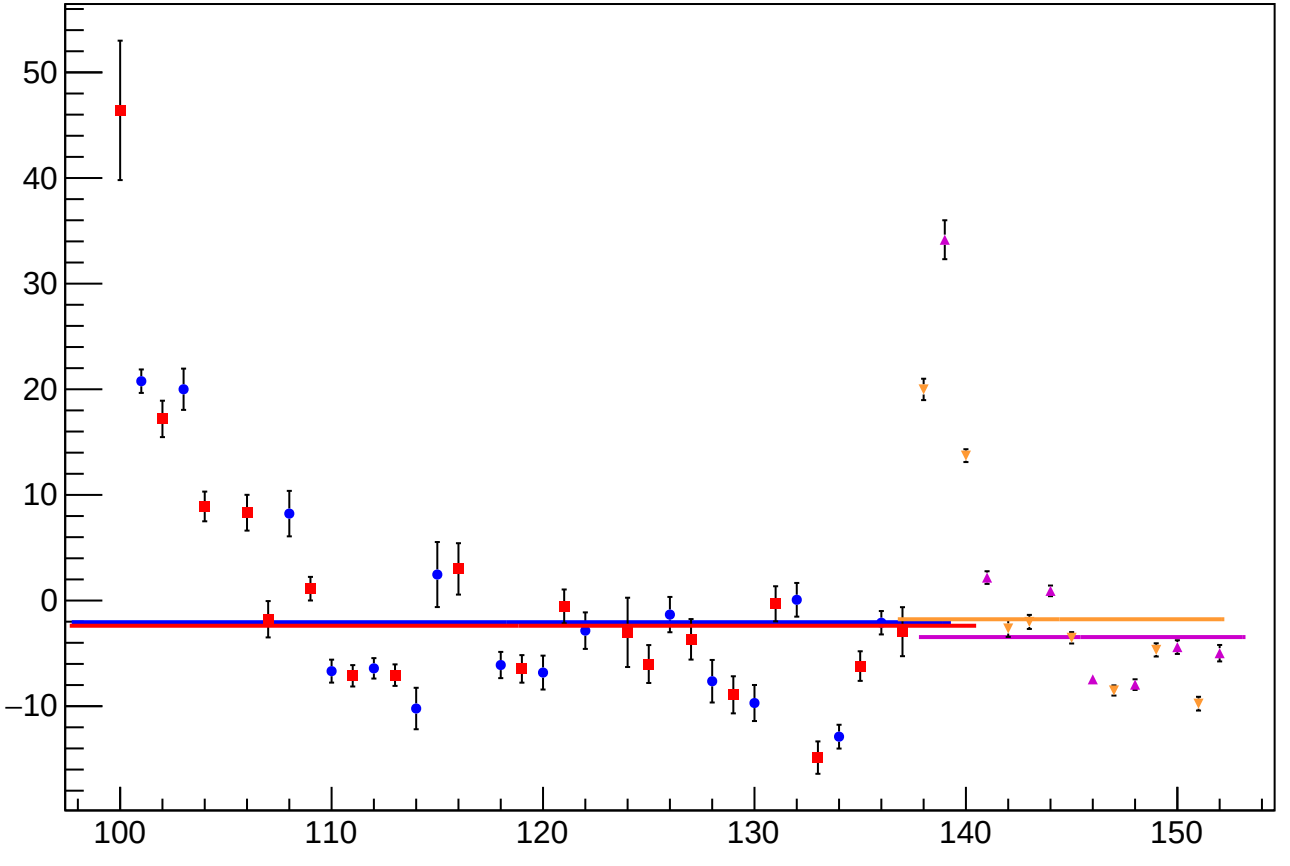
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -7.032+/-0.225 χ^2/NDF:1924.2/22

Out: -8.205+/-0.212 χ^2/NDF:4647.3/26

All: -7.653+/-0.155 χ^2/NDF: 6585.8/49

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: -3.458+/-0.222 χ^2/NDF:751.9/6

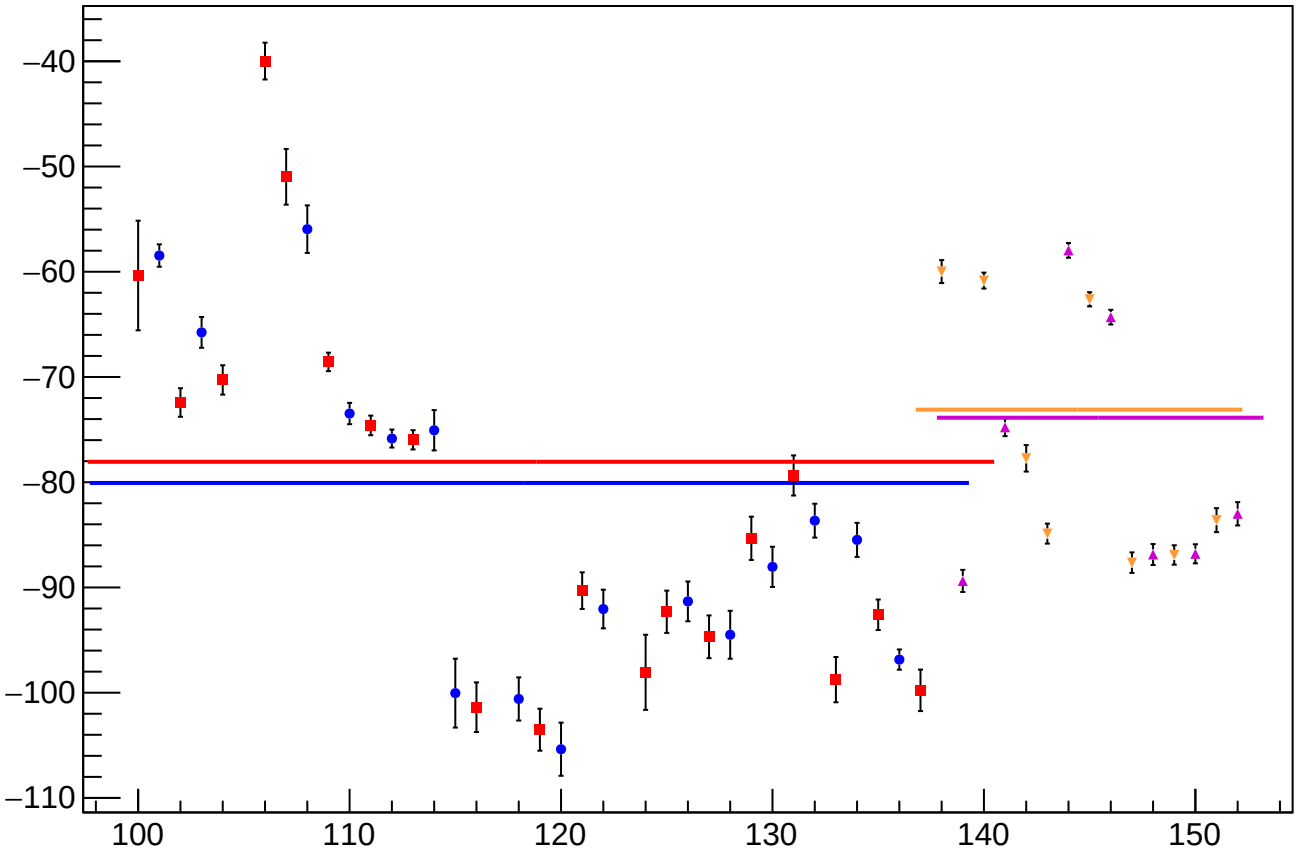
Left: -2.619+/-0.157 χ^2/NDF: 2271.6/14

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -3.064+/-0.188 χ^2/NDF:1535.0/22

Out: -1.945+/-0.189 χ^2/NDF:1944.0/26

All: -2.506+/-0.133 χ^2/NDF: 3496.7/49



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: -73.871+/-0.326 χ^2/NDF:1357.7/6

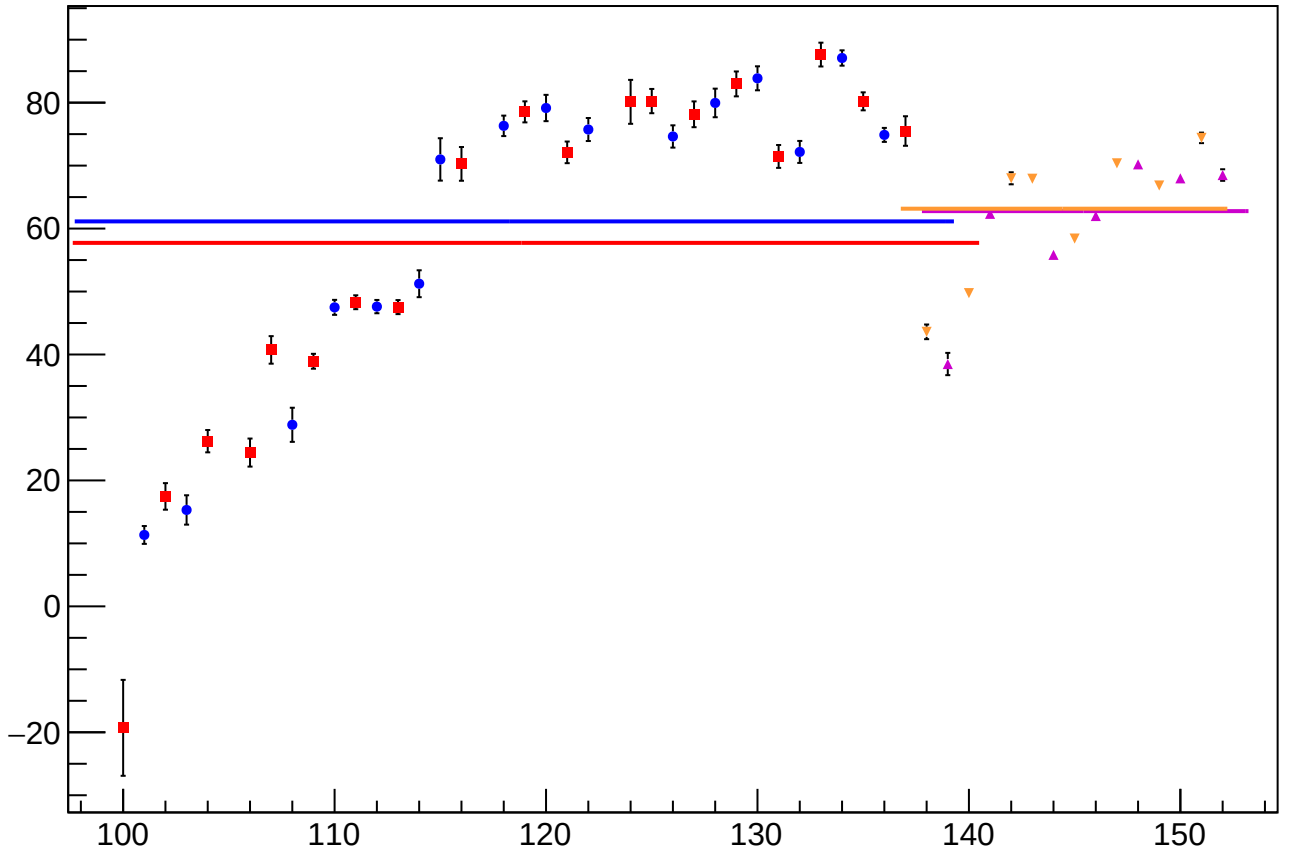
Left: -73.484+/-0.230 χ^2/NDF: 2709.5/14

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -76.627+/-0.243 χ^2/NDF:2905.5/22

Out: -75.364+/-0.239 χ^2/NDF:3017.1/26

All: -75.985+/-0.170 χ^2/NDF: 5936.4/49



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: 62.770+/-0.272 χ^2/NDF:528.7/6

Left: 62.963+/-0.193 χ^2/NDF: 1592.6/14

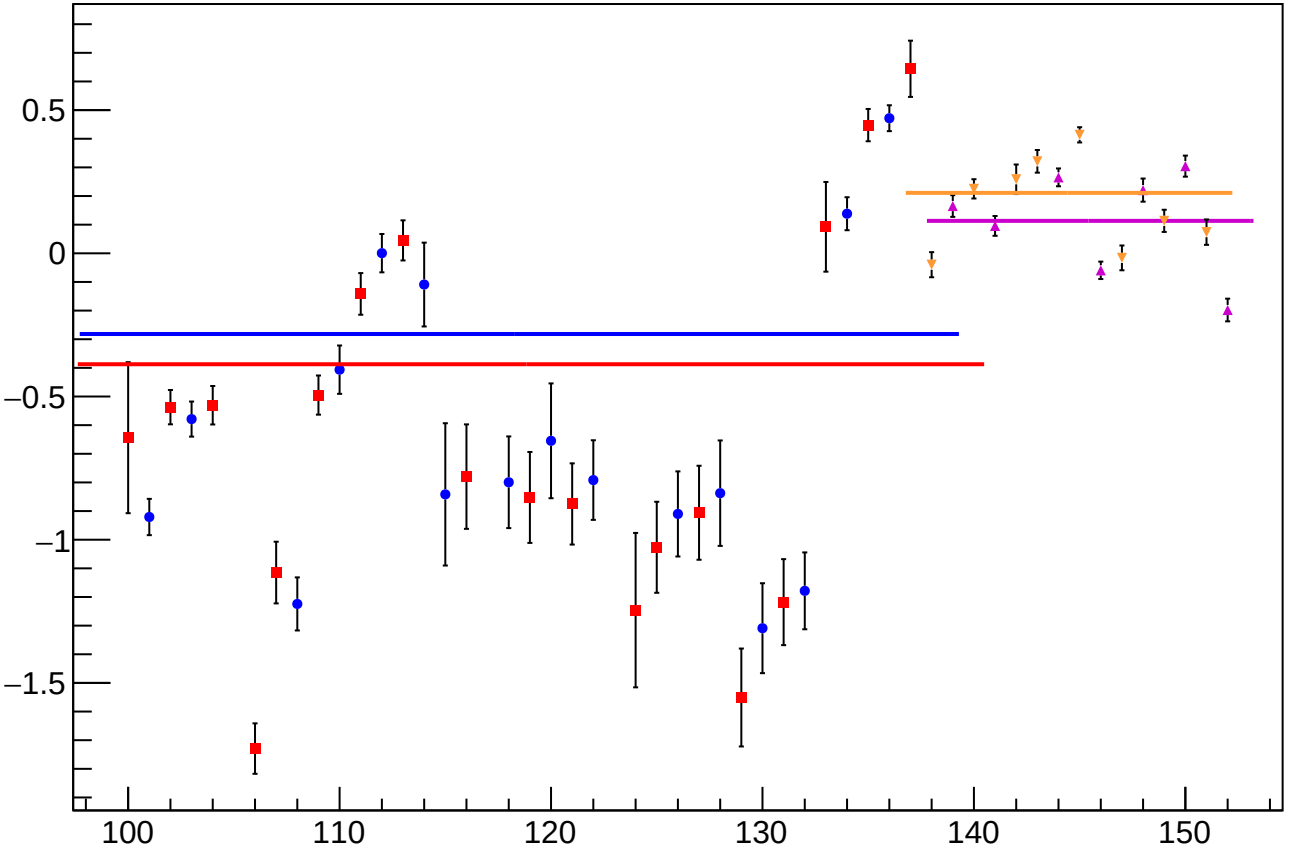
Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 62.256+/-0.225 χ^2/NDF:3769.4/22

Out: 61.432+/-0.226 χ^2/NDF:3964.1/26

All: 61.846+/-0.159 χ^2/NDF: 7740.2/49

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.211+/-0.013 χ^2/NDF:142.9/7

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.113+/-0.013 χ^2/NDF:154.1/6

Left: 0.162+/-0.009 χ^2/NDF: 323.7/14

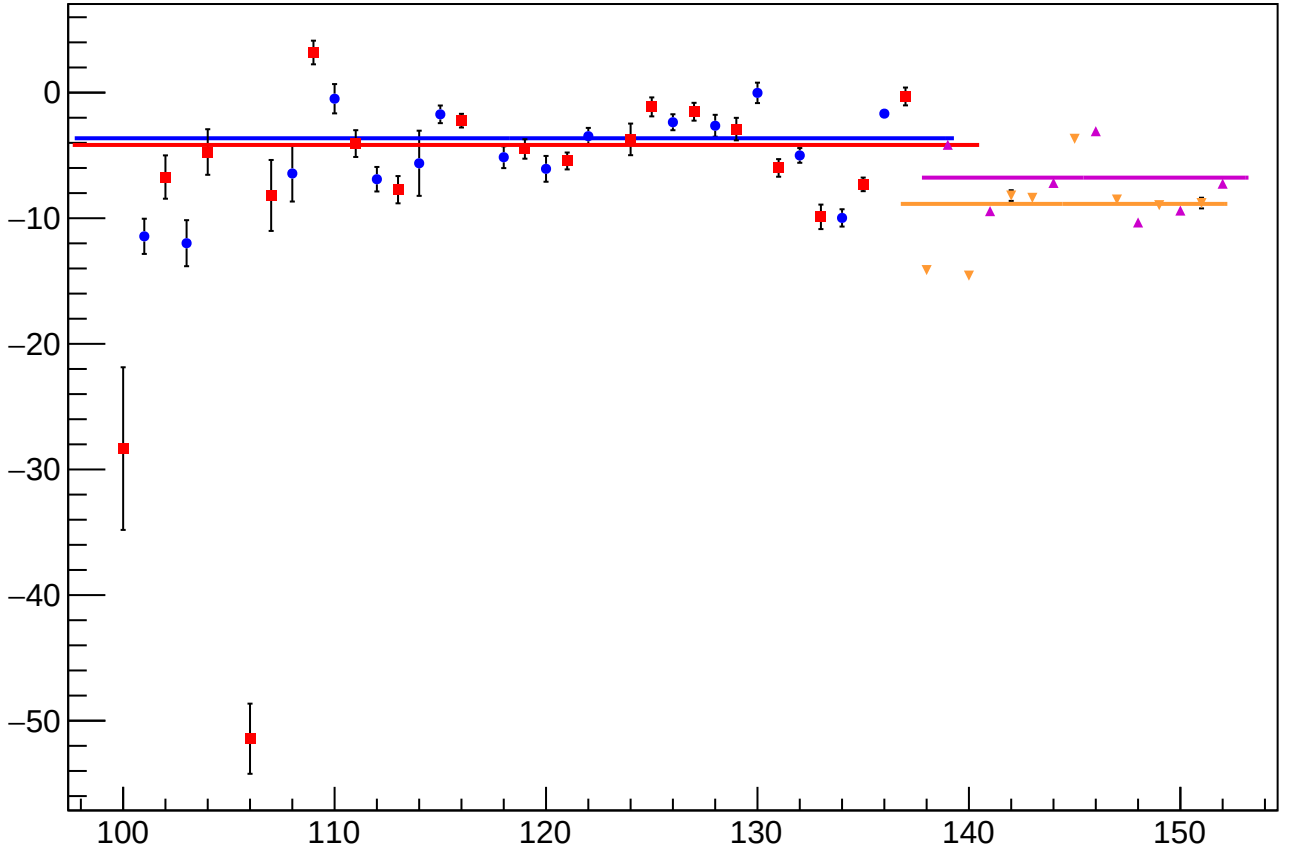
Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: 0.005+/-0.011 χ^2/NDF:1124.1/22

Out: 0.047+/-0.011 χ^2/NDF:1503.8/26

All: 0.026+/-0.008 χ^2/NDF: 2635.0/49

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.859+/-0.112 χ^2/NDF:1267.0/7

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -6.769+/-0.113 χ^2/NDF:545.8/6

Left: -7.818+/-0.079 χ^2/NDF: 1985.7/14

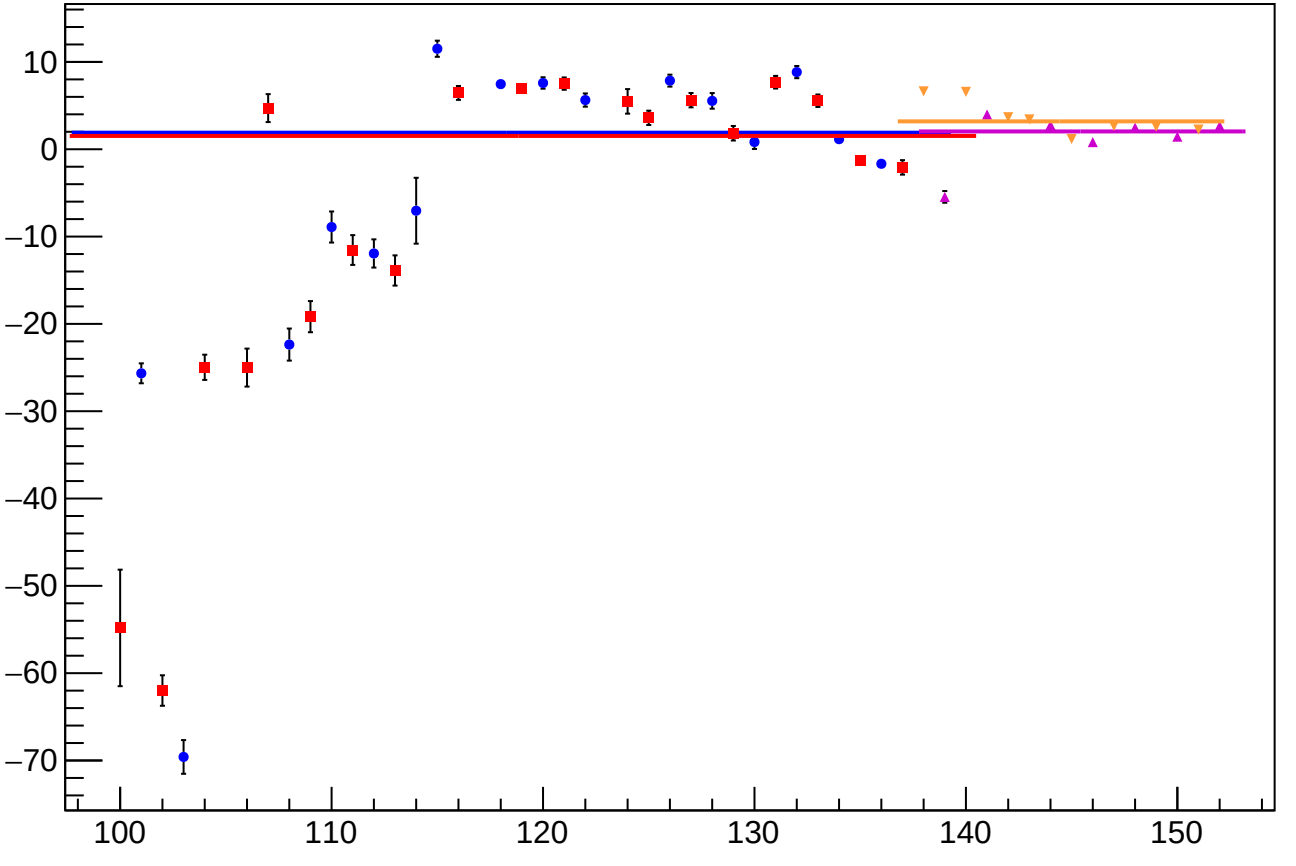
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -5.947+/-0.097 χ^2/NDF:983.5/22

Out: -7.732+/-0.098 χ^2/NDF:2217.1/26

All: -6.831+/-0.069 χ^2/NDF: 3369.0/49

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: 2.041+/-0.075 χ^2/NDF:323.5/6

Left: 2.597+/-0.054 χ^2/NDF: 943.3/14

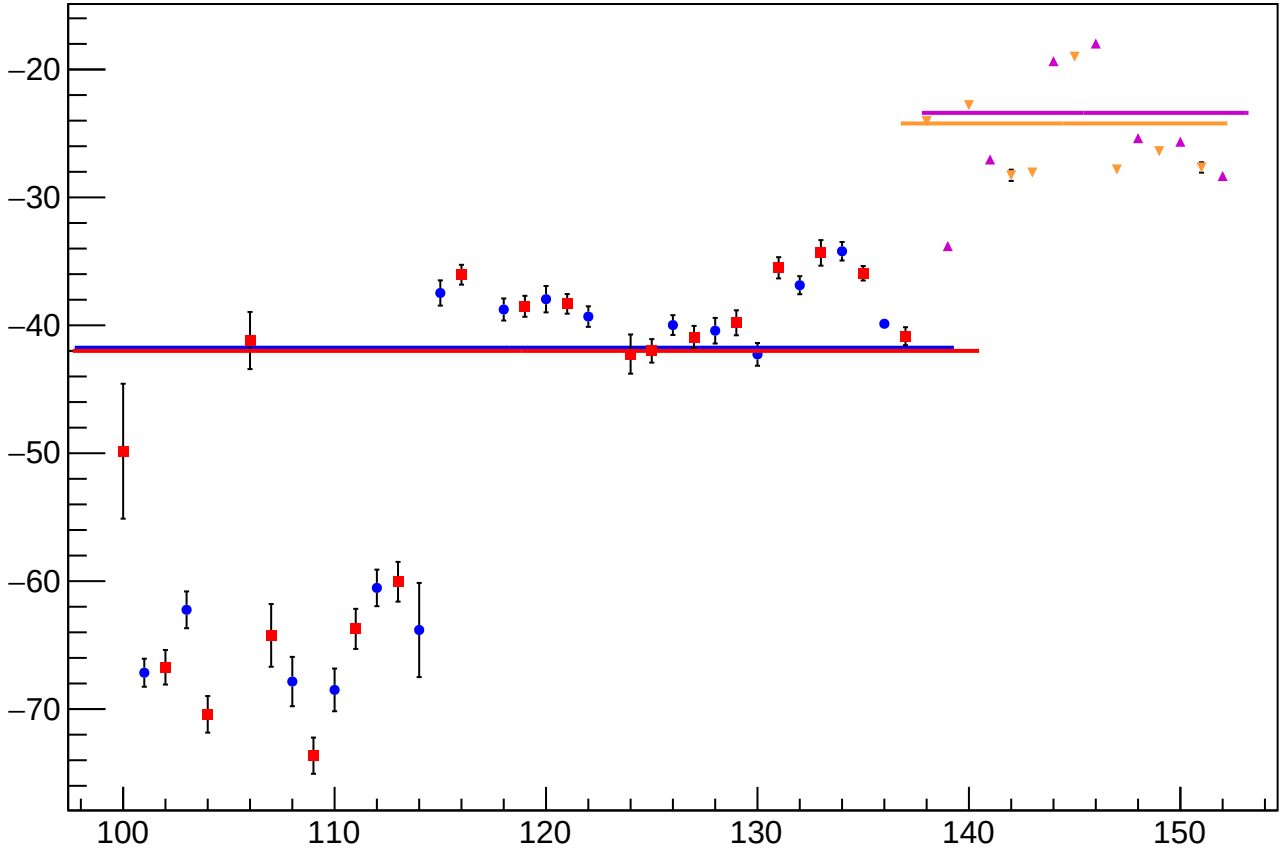
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.021+/-0.070 χ^2/NDF:3162.2/22

Out: 2.989+/-0.073 χ^2/NDF:3122.7/26

All: 2.484+/-0.050 χ^2/NDF: 6376.5/49

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: -23.391+/-0.111 χ^2/NDF:2026.3/6

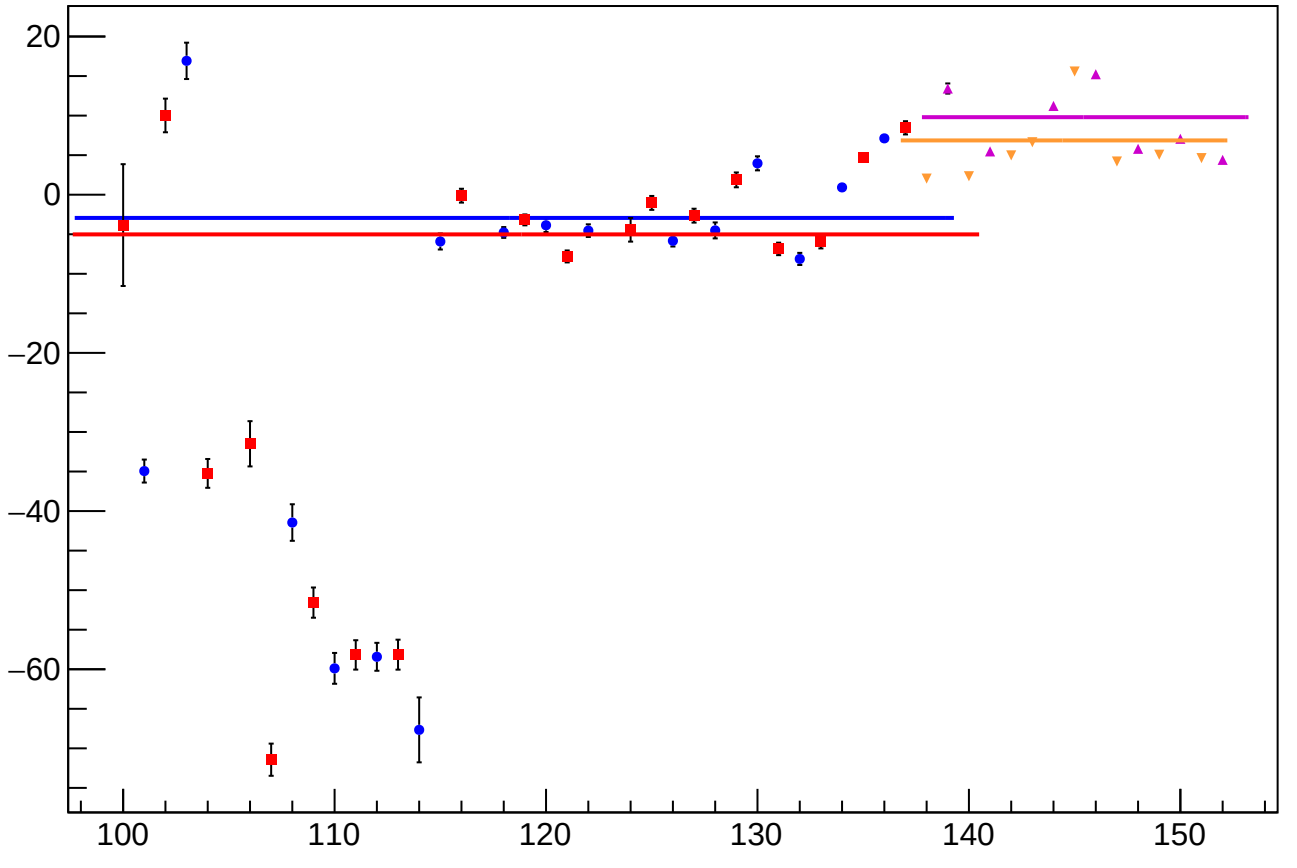
Left: -23.800+/-0.079 χ^2/NDF: 3081.3/14

Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -27.484+/-0.098 χ^2/NDF:9736.5/22

Out: -27.704+/-0.101 χ^2/NDF:7890.5/26

All: -27.590+/-0.070 χ^2/NDF: 17629.5/49



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: 9.801+/-0.092 χ^2/NDF:2028.7/6

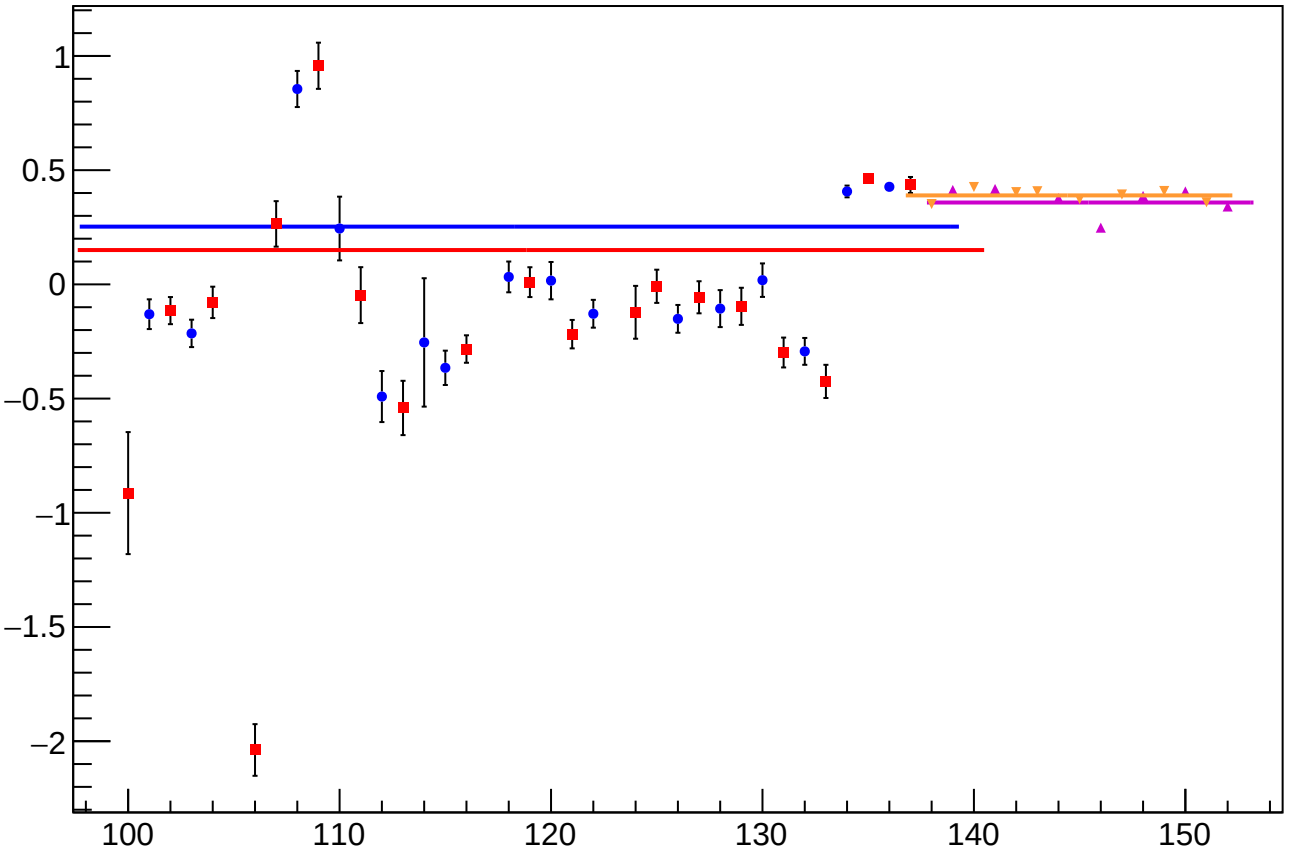
Left: 8.380+/-0.066 χ^2/NDF: 5069.3/14

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 7.736+/-0.084 χ^2/NDF:8846.9/22

Out: 5.144+/-0.088 χ^2/NDF:9173.3/26

All: 6.496+/-0.061 χ^2/NDF: 18471.2/49



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: 0.358+/-0.005 χ^2/NDF:192.0/6

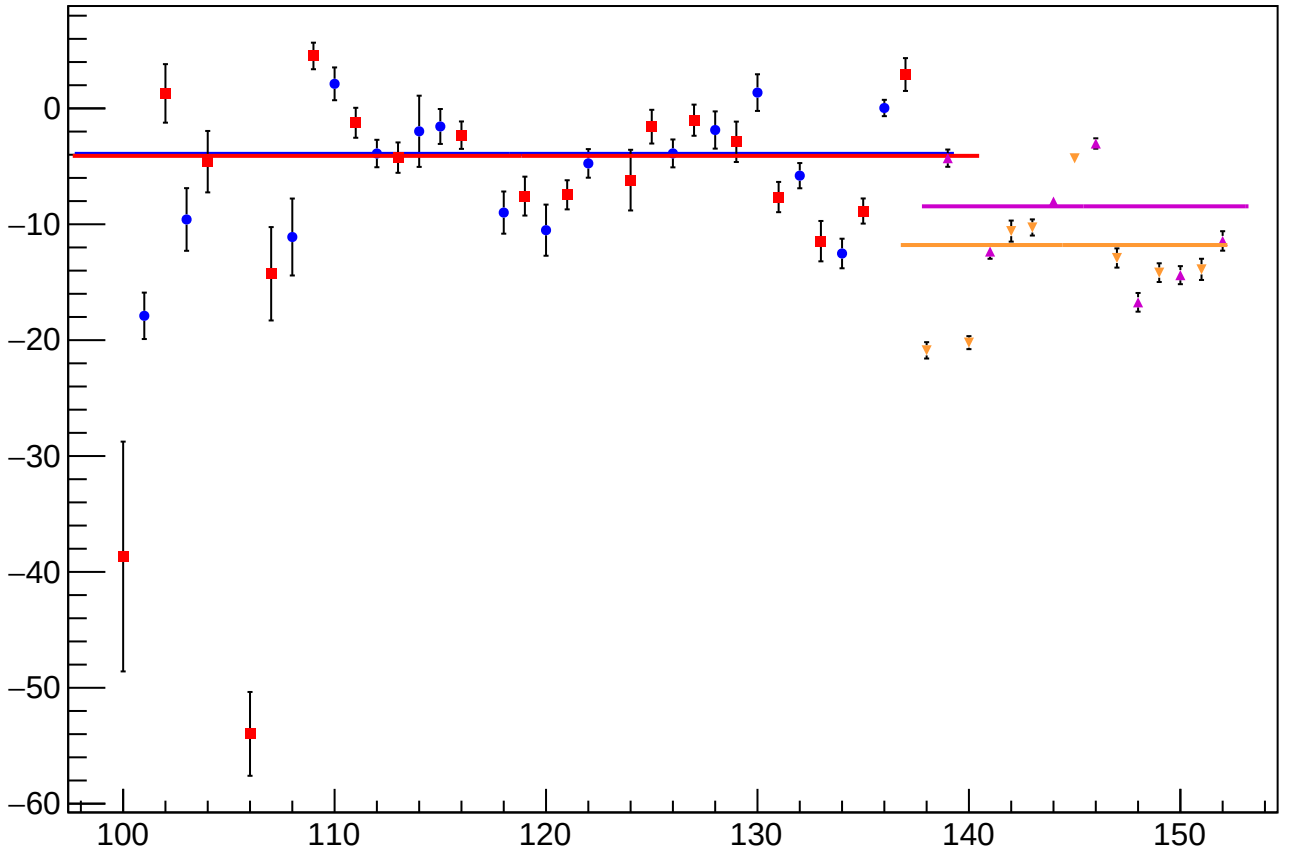
Left: 0.374+/-0.003 χ^2/NDF: 241.7/14

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.344+/-0.004 χ^2/NDF:896.0/22

Out: 0.363+/-0.004 χ^2/NDF:1331.0/26

All: 0.353+/-0.003 χ^2/NDF: 2237.2/49



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: -8.451+/-0.227 χ^2/NDF:394.3/6

Left: -10.109+/-0.161 χ^2/NDF: 1275.8/14

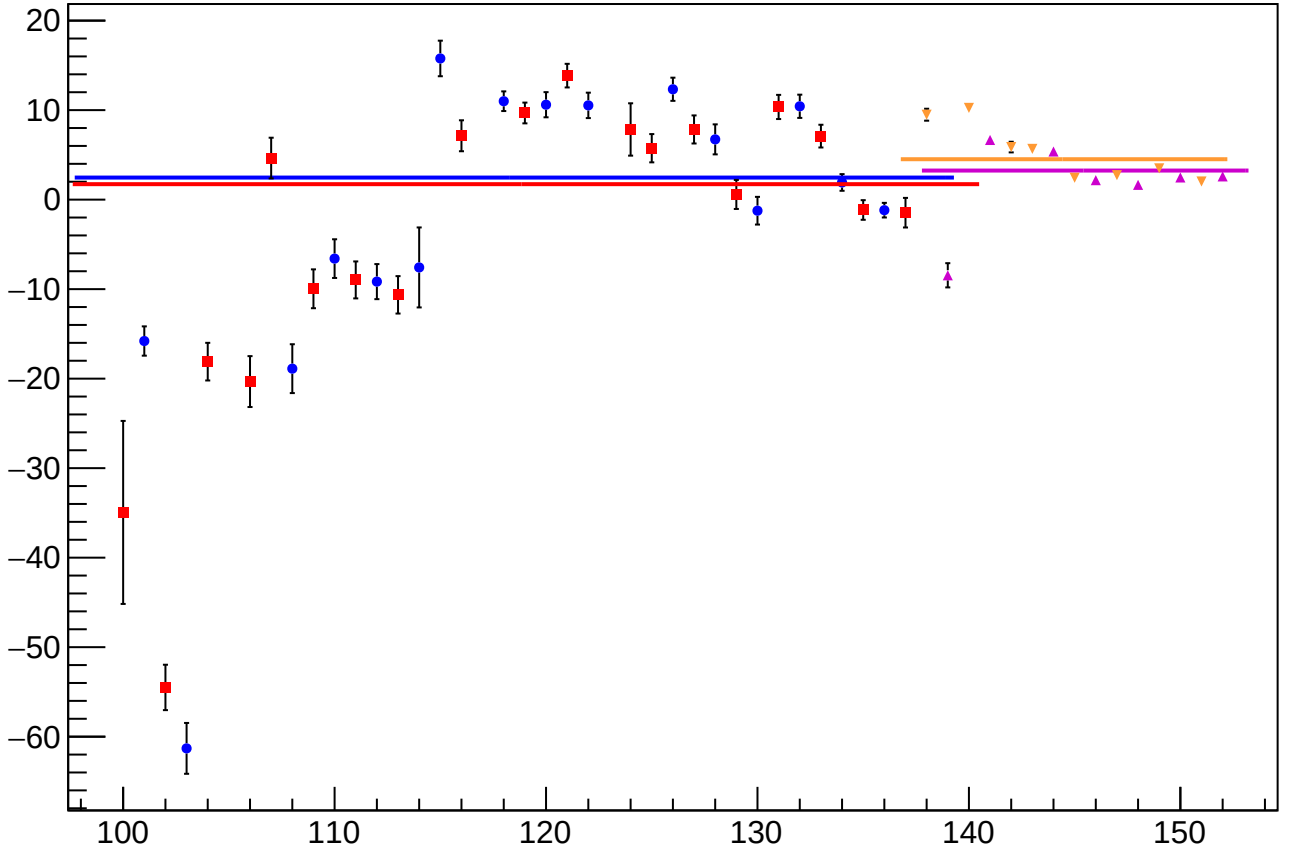
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -7.086+/-0.190 χ^2/NDF:702.7/22

Out: -9.547+/-0.193 χ^2/NDF:1470.7/26

All: -8.299+/-0.135 χ^2/NDF: 2256.0/49

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.515+/-0.162 χ^2/NDF:313.3/7

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.249+/-0.152 χ^2/NDF:214.2/6

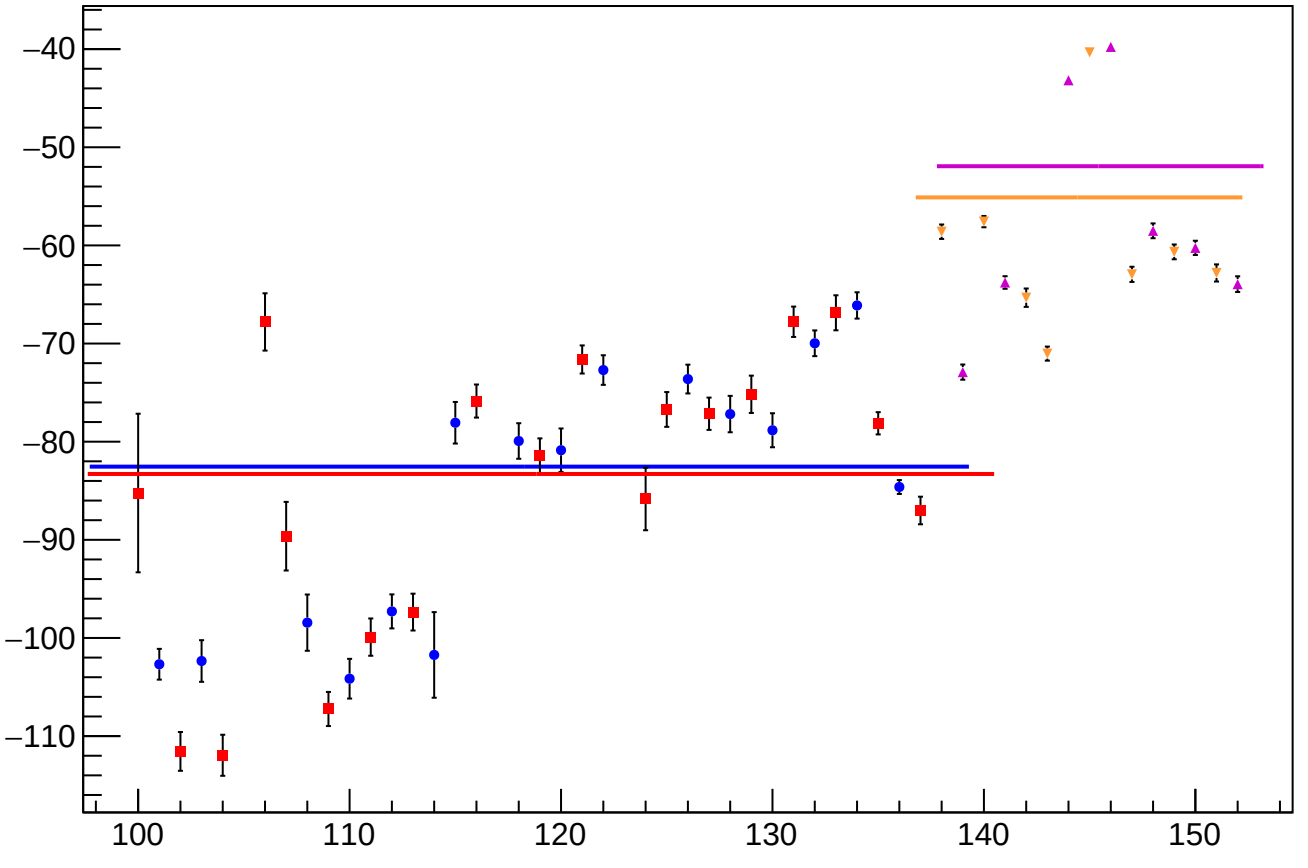
Left: 3.842+/-0.111 χ^2/NDF: 560.1/14

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 3.129+/-0.140 χ^2/NDF:1265.0/22

Out: 4.100+/-0.149 χ^2/NDF:1340.7/26

All: 3.582+/-0.102 χ^2/NDF: 2628.3/49



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: -51.932+/-0.225 χ^2/NDF:2690.8/6

Left: -53.478+/-0.161 χ^2/NDF: 4997.2/14

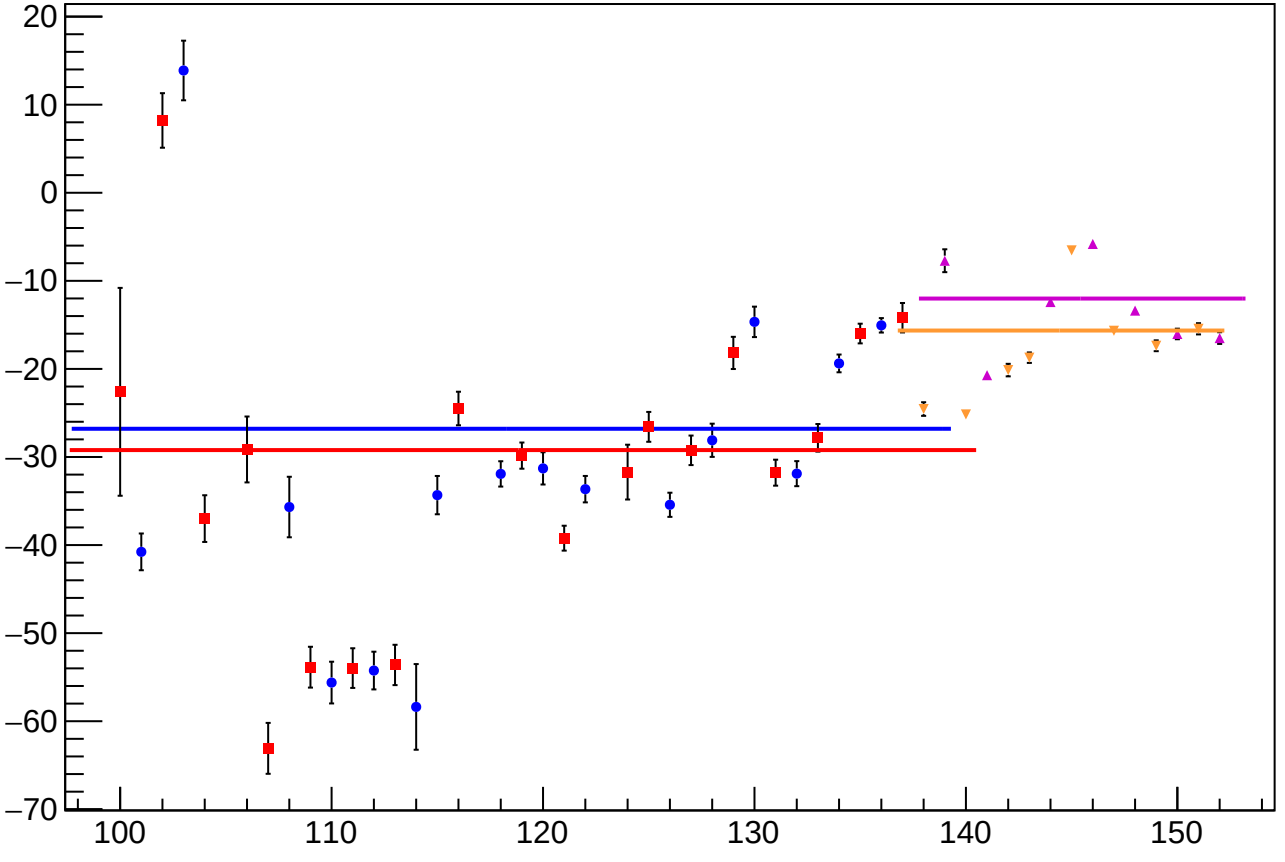
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -59.744+/-0.194 χ^2/NDF:8254.6/22

Out: -61.797+/-0.202 χ^2/NDF:6831.3/26

All: -60.731+/-0.140 χ^2/NDF: 15139.6/49

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: -12.012+/-0.186 χ^2/NDF:716.3/6

Left: -13.727+/-0.135 χ^2/NDF: 2010.6/14

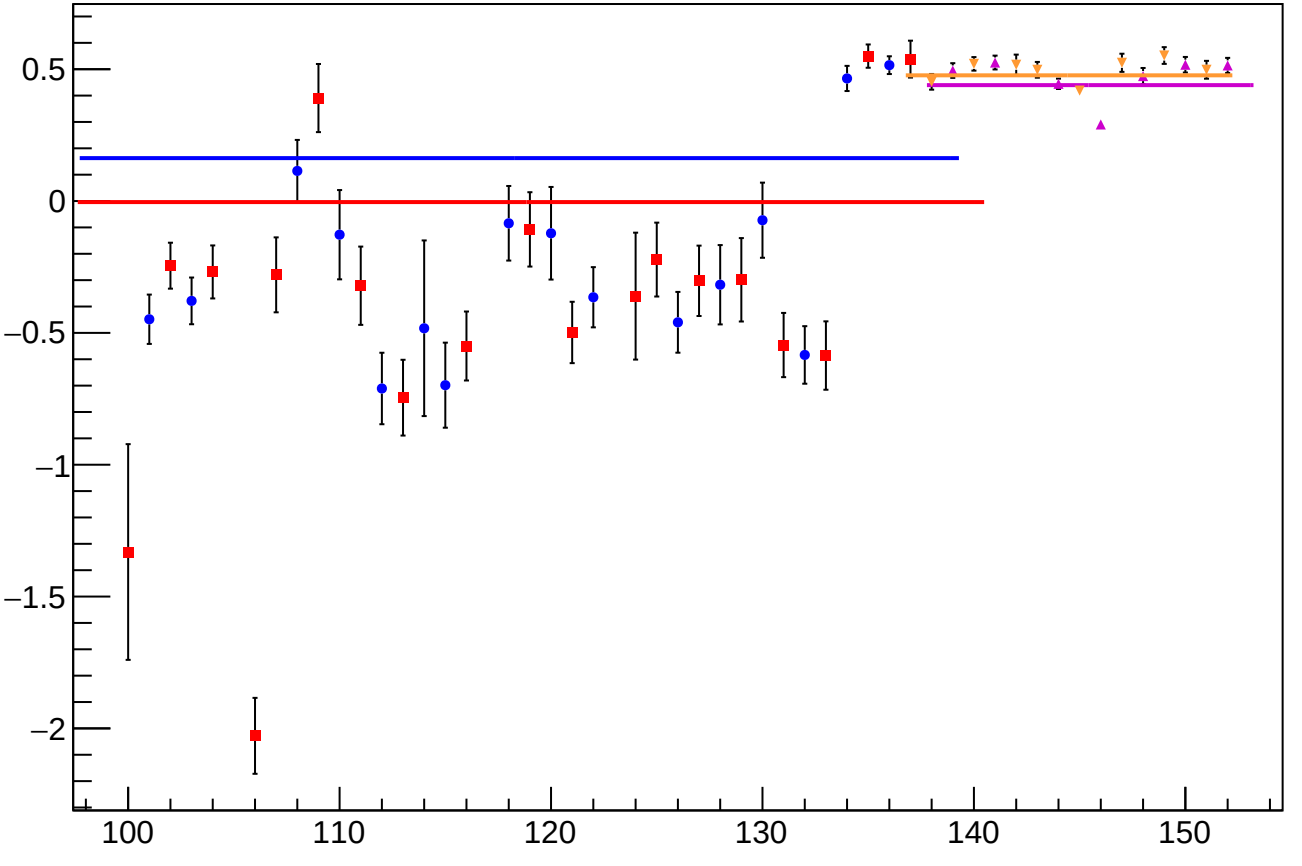
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -14.691+/-0.168 χ^2/NDF:2823.4/22

Out: -17.980+/-0.179 χ^2/NDF:2895.8/26

All: -16.236+/-0.123 χ^2/NDF: 5898.5/49

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.440+/-0.009 χ^2/NDF:93.3/6

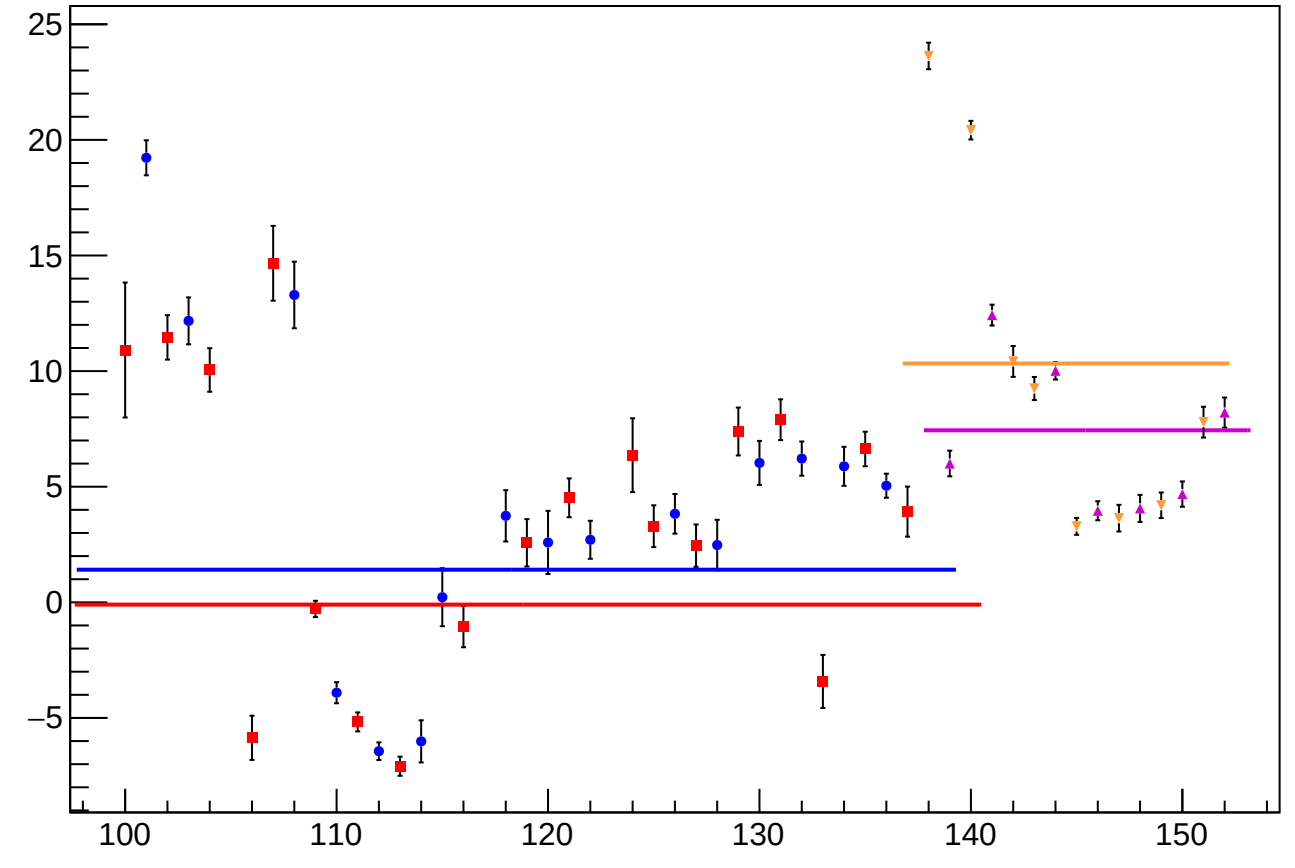
Left: 0.458+/-0.007 χ^2/NDF: 127.0/14

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.396+/-0.009 χ^2/NDF:656.7/22

Out: 0.413+/-0.009 χ^2/NDF:935.7/26

All: 0.404+/-0.006 χ^2/NDF: 1594.4/49



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: 7.441+/-0.183 χ^2/NDF:306.6/6

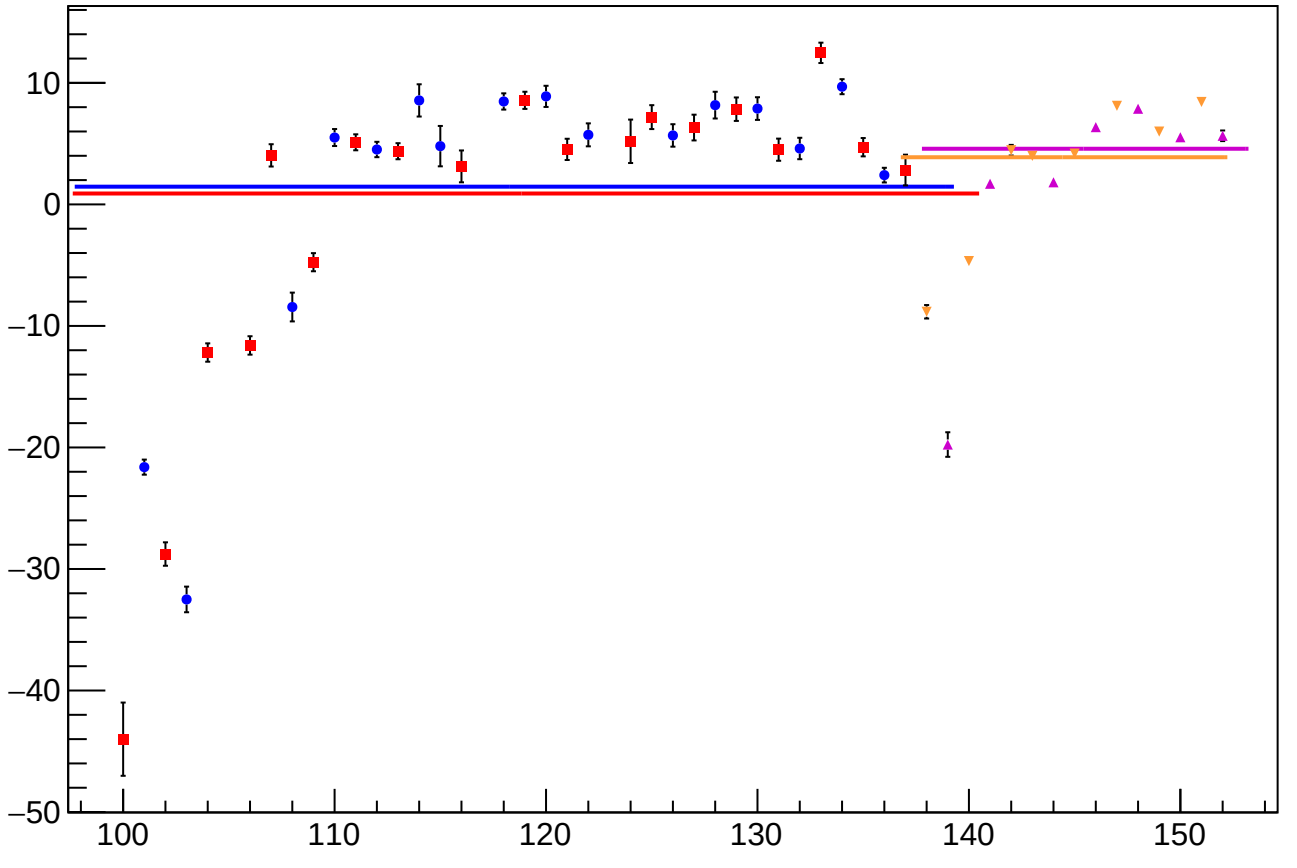
Left: 8.927+/-0.128 χ^2/NDF: 2247.6/14

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 4.420+/-0.130 χ^2/NDF:2369.7/22

Out: 4.788+/-0.122 χ^2/NDF:4779.1/26

All: 4.615+/-0.089 χ^2/NDF: 7153.1/49



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: 4.579+/-0.123 χ^2/NDF:962.9/6

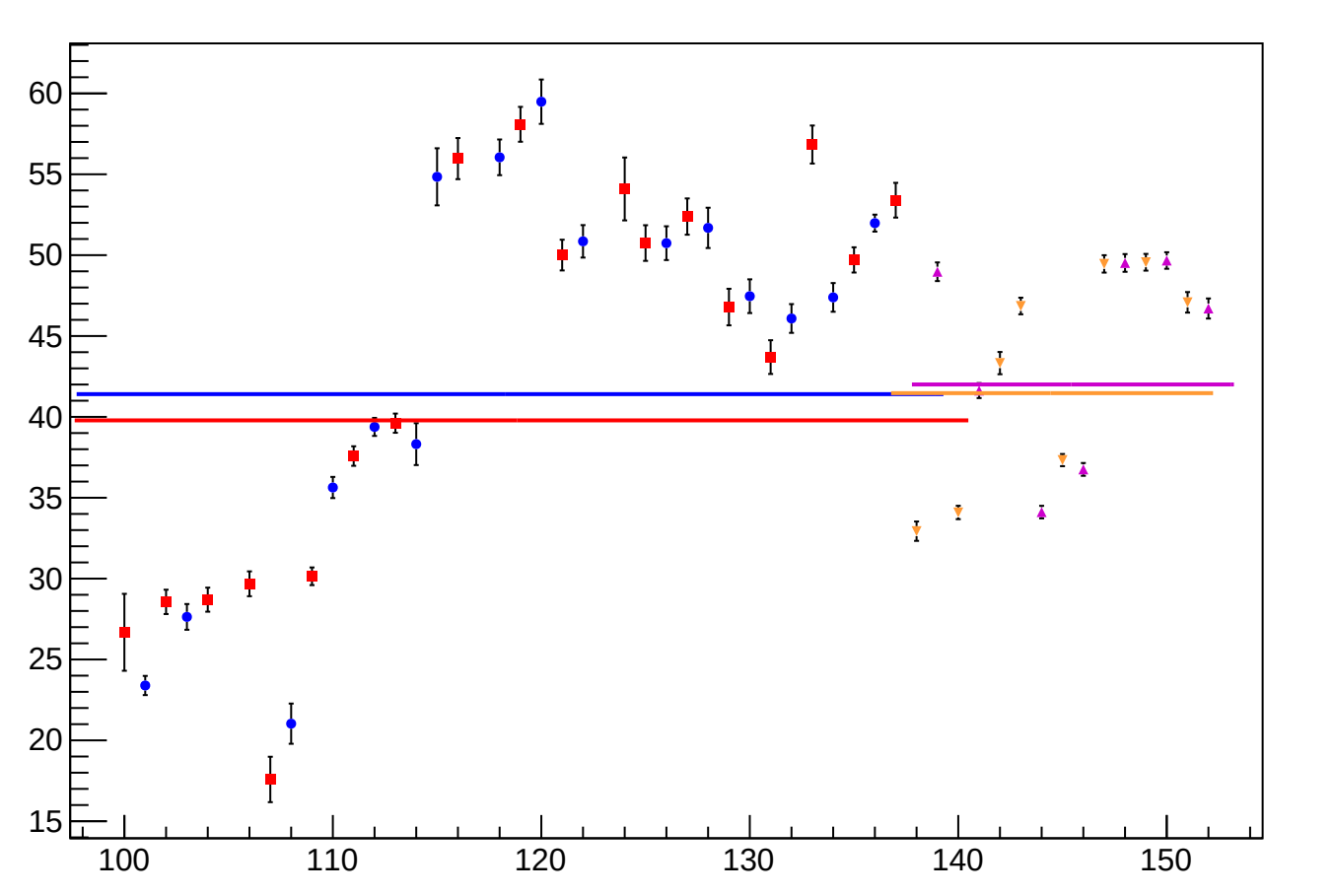
Left: 4.230+/-0.087 χ^2/NDF: 2615.5/14

Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.745+/-0.105 χ^2/NDF:4215.5/22

Out: 3.073+/-0.105 χ^2/NDF:4172.6/26

All: 3.409+/-0.074 χ^2/NDF: 8408.6/49



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: 42.005+/-0.181 χ^2/NDF:1205.5/6

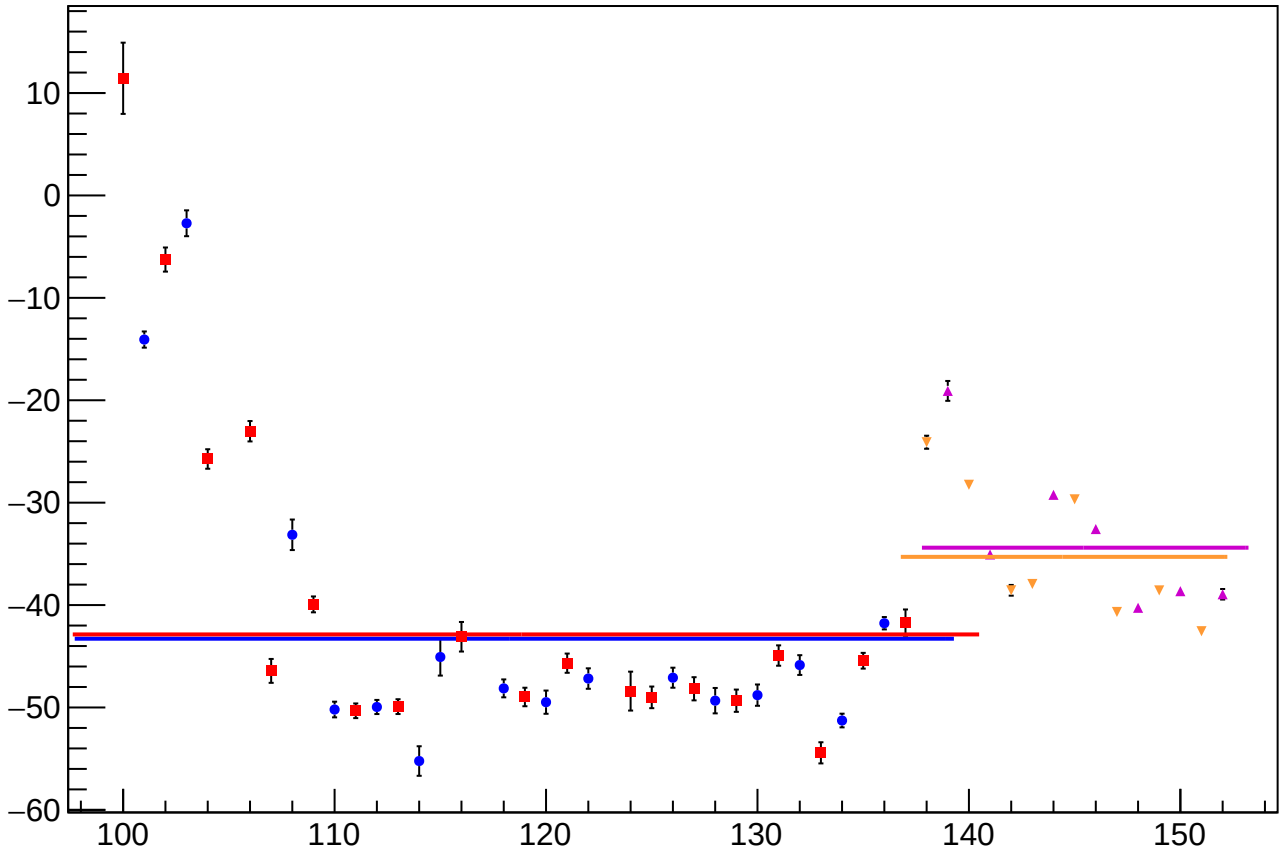
Left: 41.733+/-0.127 χ^2/NDF: 2513.2/14

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 41.751+/-0.137 χ^2/NDF:3956.1/22

Out: 40.732+/-0.134 χ^2/NDF:3995.8/26

All: 41.229+/-0.096 χ^2/NDF: 7980.1/49



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: -34.397+/-0.151 χ^2/NDF:949.0/6

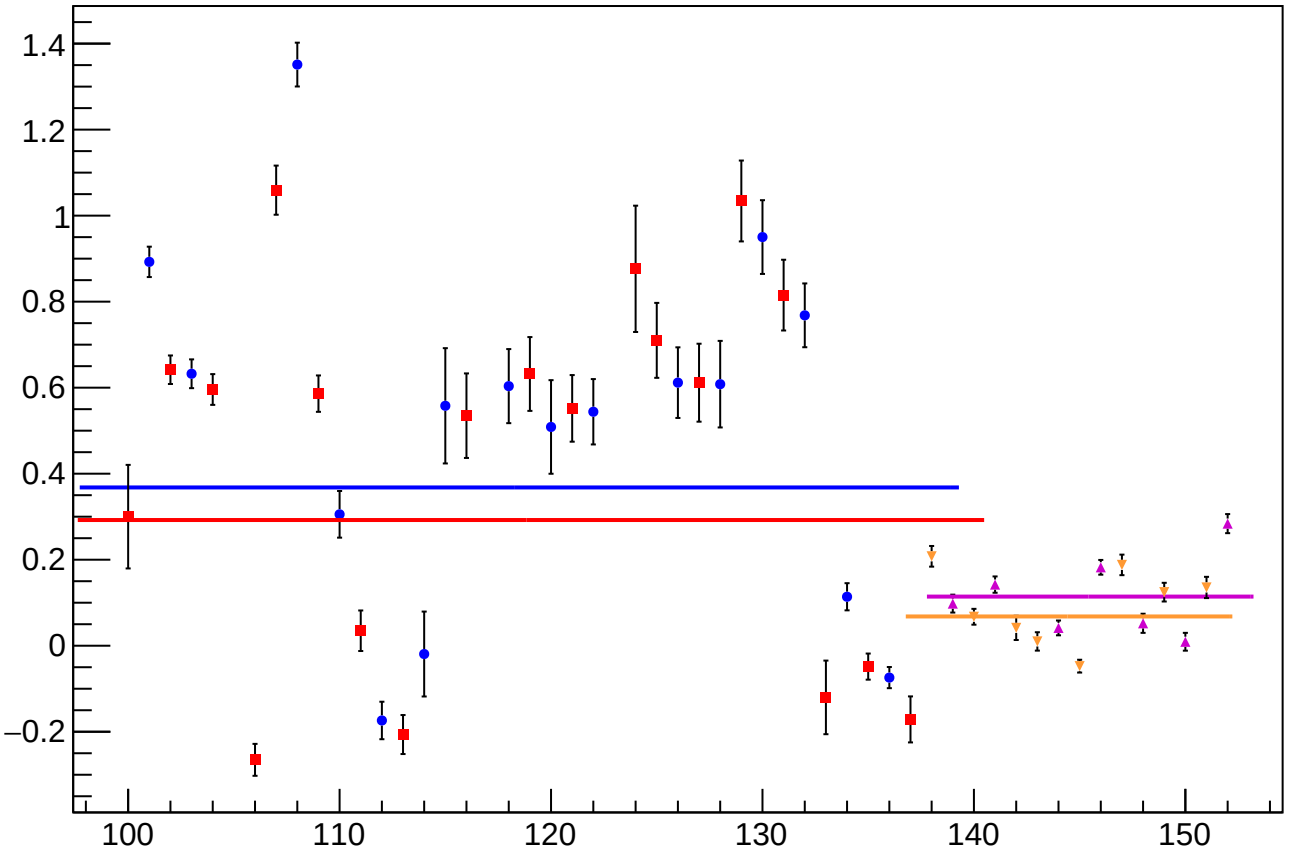
Left: -34.845+/-0.107 χ^2/NDF: 2447.6/14

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

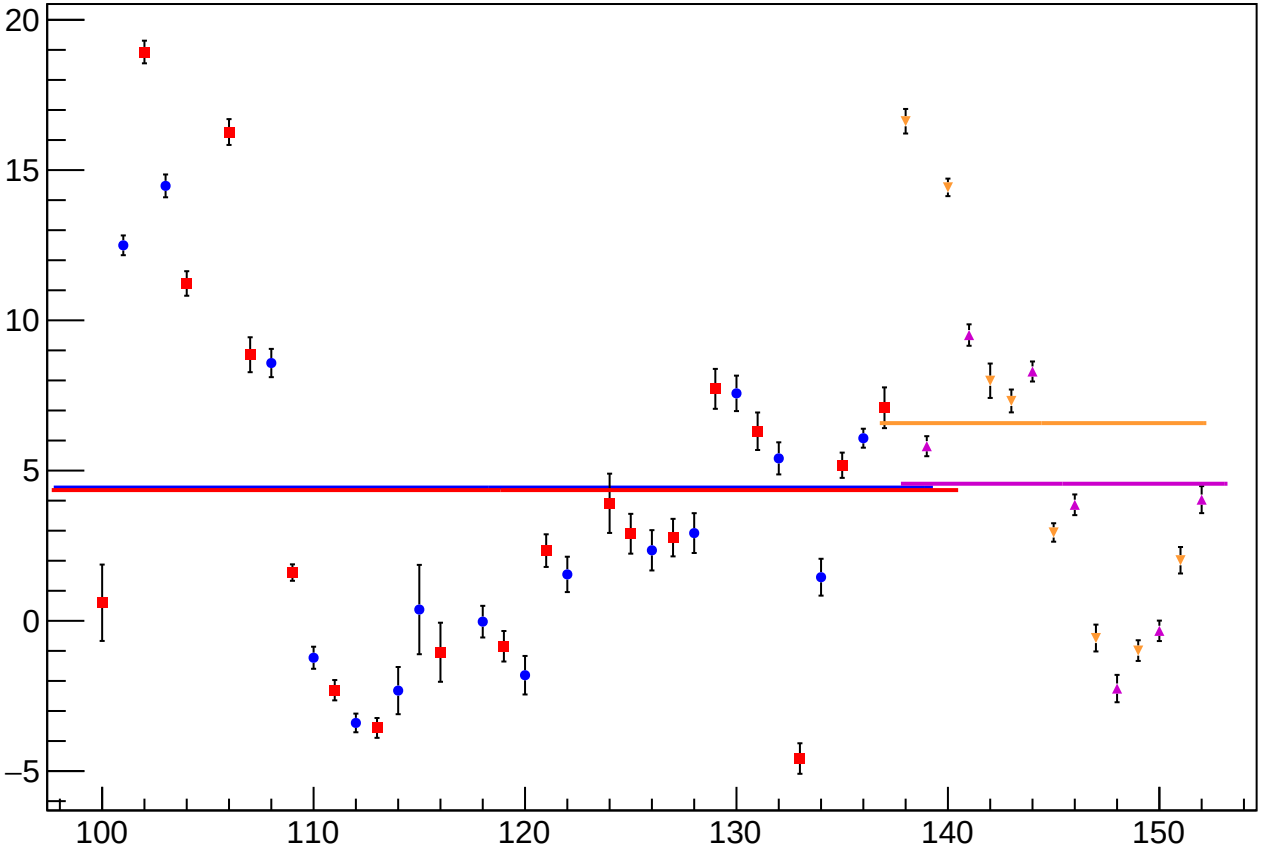
In: -37.079+/-0.126 χ^2/NDF:4983.1/22

Out: -37.583+/-0.126 χ^2/NDF:4698.1/26

All: -37.331+/-0.089 χ^2/NDF: 9689.2/49


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: 0.368+/-0.012 χ²/NDF: 1320.9/15
Left Out: 0.068+/-0.007 χ²/NDF:141.7/7
Right Out: 0.292+/-0.012 χ²/NDF: 1199.2/18
Left In: 0.114+/-0.007 χ²/NDF:128.5/6
Left: 0.091+/-0.005 χ²/NDF: 289.6/14
Right: 0.330+/-0.009 χ²/NDF: 2539.6/34
In: 0.182+/-0.006 χ²/NDF:1765.7/22
Out: 0.129+/-0.006 χ²/NDF:1590.2/26
All: 0.156+/-0.004 χ²/NDF: 3391.2/49

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: 4.562+/-0.138 χ^2/NDF:768.7/6

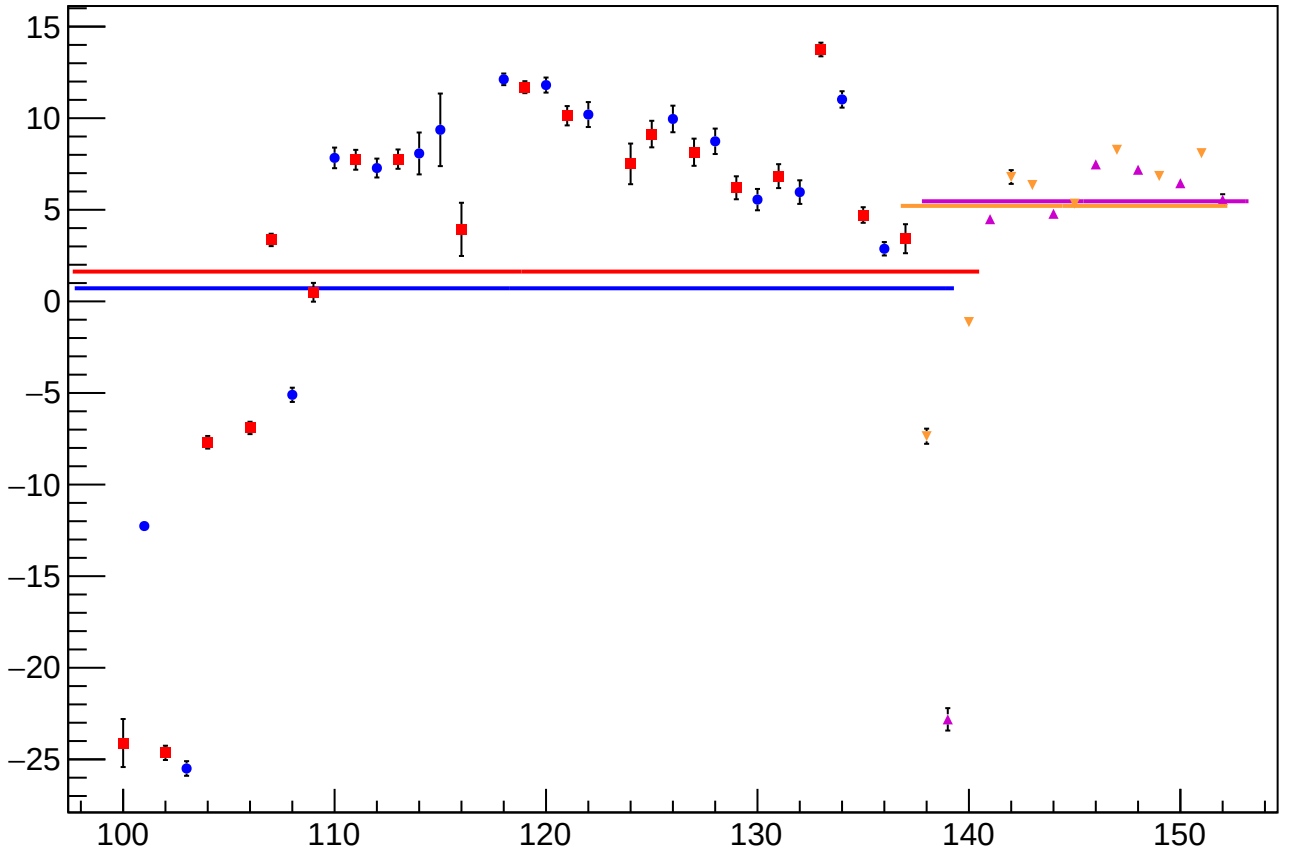
Left: 5.610+/-0.096 χ^2/NDF: 3206.4/14

Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 4.488+/-0.089 χ^2/NDF:3391.3/22

Out: 5.251+/-0.084 χ^2/NDF:6700.2/26

All: 4.891+/-0.061 χ^2/NDF: 10130.1/49



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: 5.466+/-0.097 χ^2/NDF:2330.1/6

Left: 5.333+/-0.067 χ^2/NDF: 4370.5/14

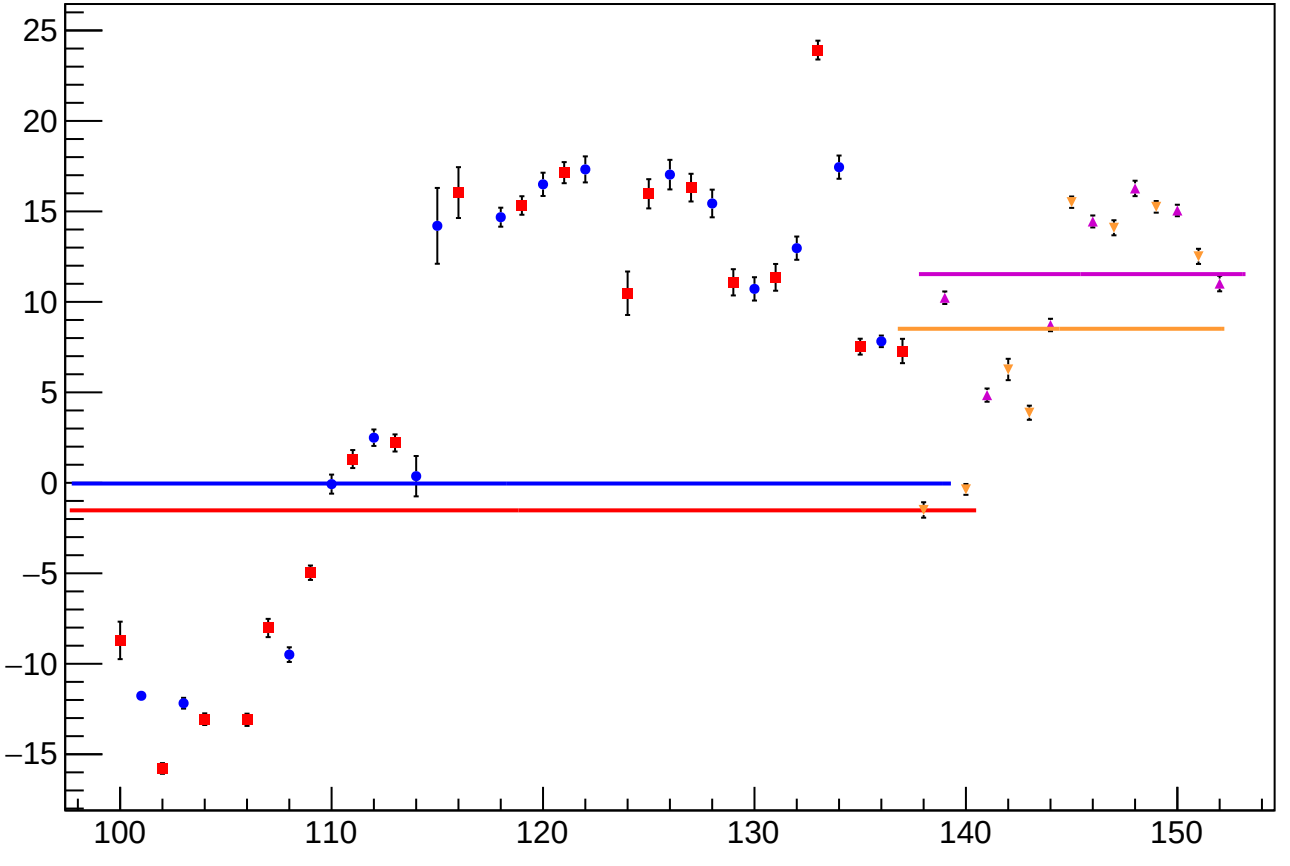
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.518+/-0.074 χ^2/NDF:13774.9/22

Out: 3.753+/-0.071 χ^2/NDF:11910.6/26

All: 3.641+/-0.051 χ^2/NDF: 25690.8/49

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: 11.535+/-0.136 χ^2/NDF:739.4/6

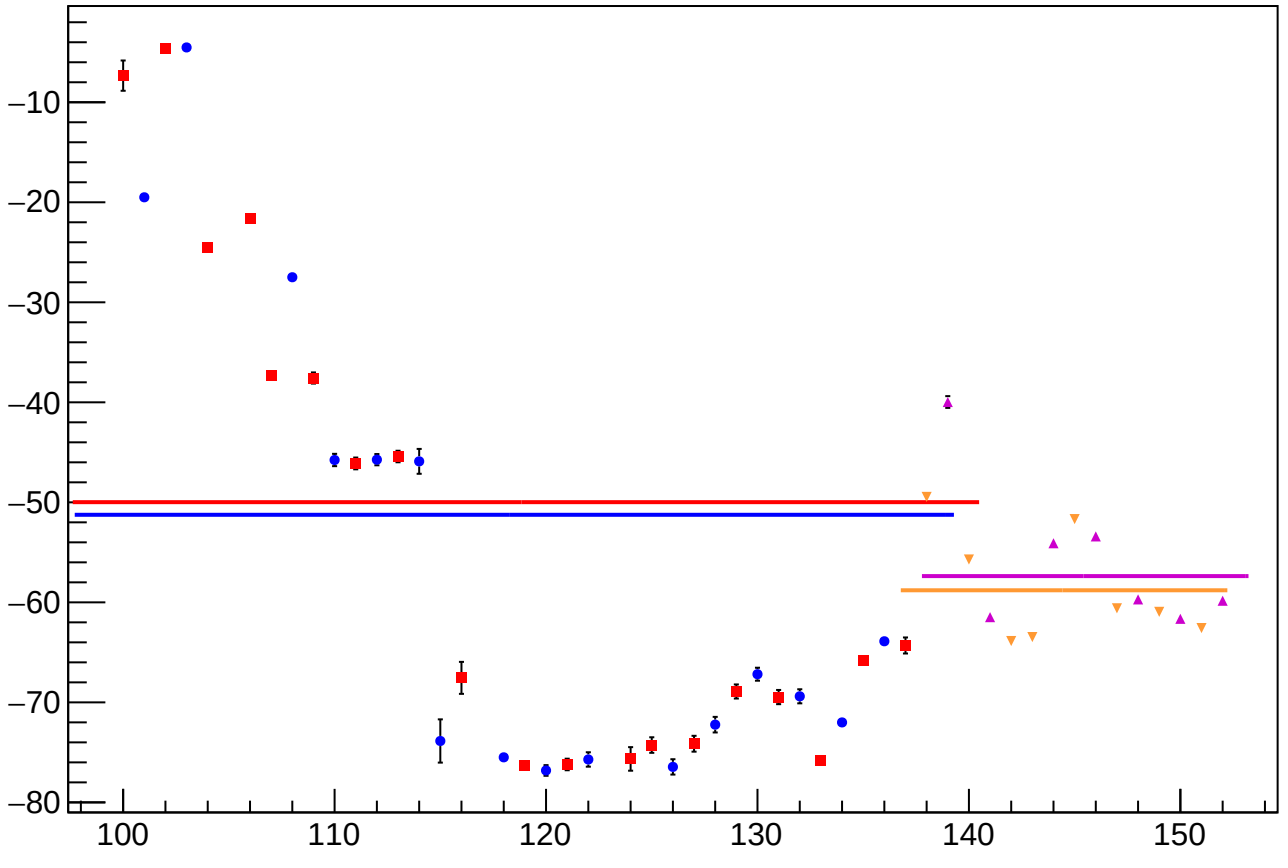
Left: 9.984+/-0.095 χ^2/NDF: 3778.6/14

Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 5.007+/-0.090 χ^2/NDF:14111.4/22

Out: 2.806+/-0.087 χ^2/NDF:18193.6/26

All: 3.871+/-0.062 χ^2/NDF: 32616.2/49



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: -57.375+/-0.117 χ^2/NDF:1782.1/6

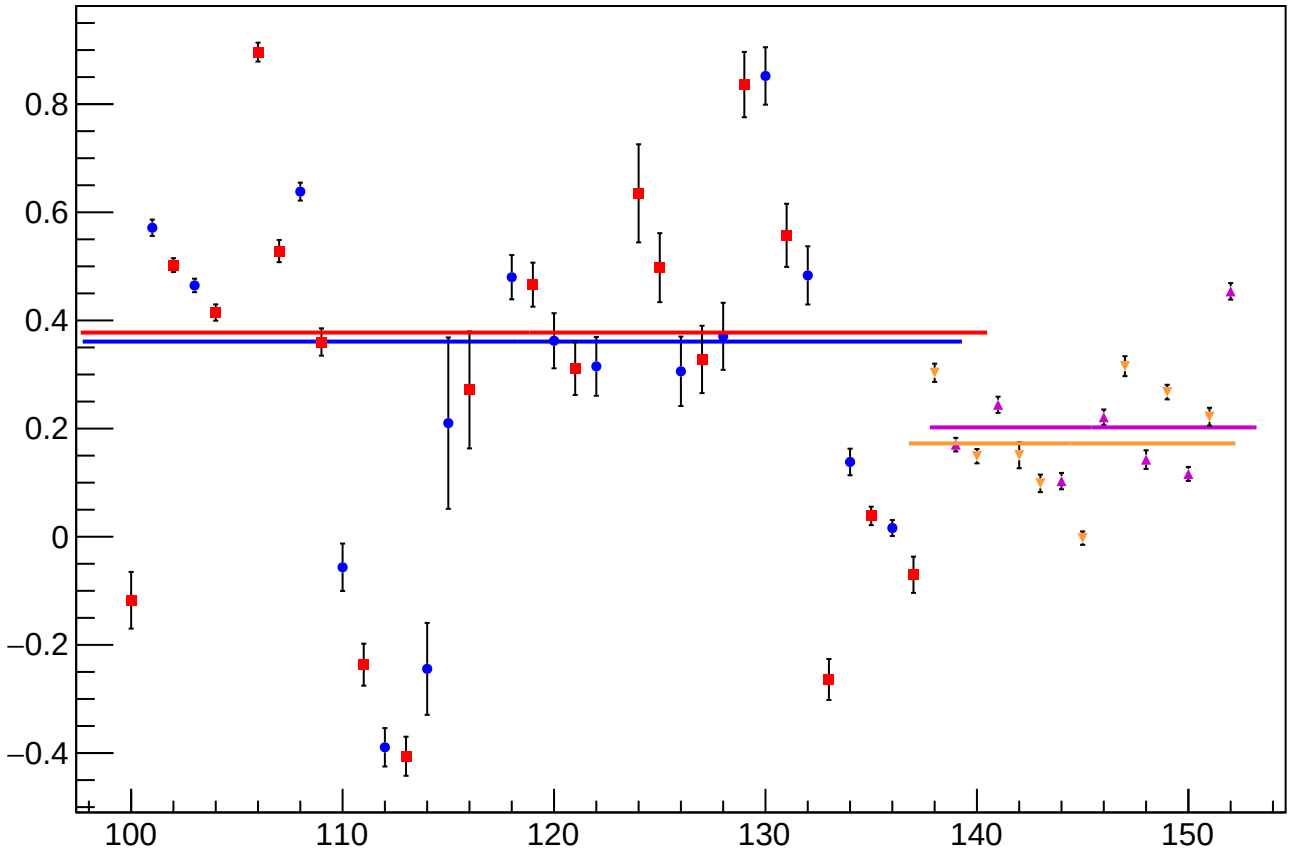
Left: -58.112+/-0.081 χ^2/NDF: 3542.5/14

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -54.766+/-0.089 χ^2/NDF:36717.9/22

Out: -55.048+/-0.085 χ^2/NDF:38189.3/26

All: -54.912+/-0.061 χ^2/NDF: 74912.5/49



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: 0.202+/-0.005 χ^2/NDF:386.3/6

Left: 0.187+/-0.004 χ^2/NDF: 801.4/14

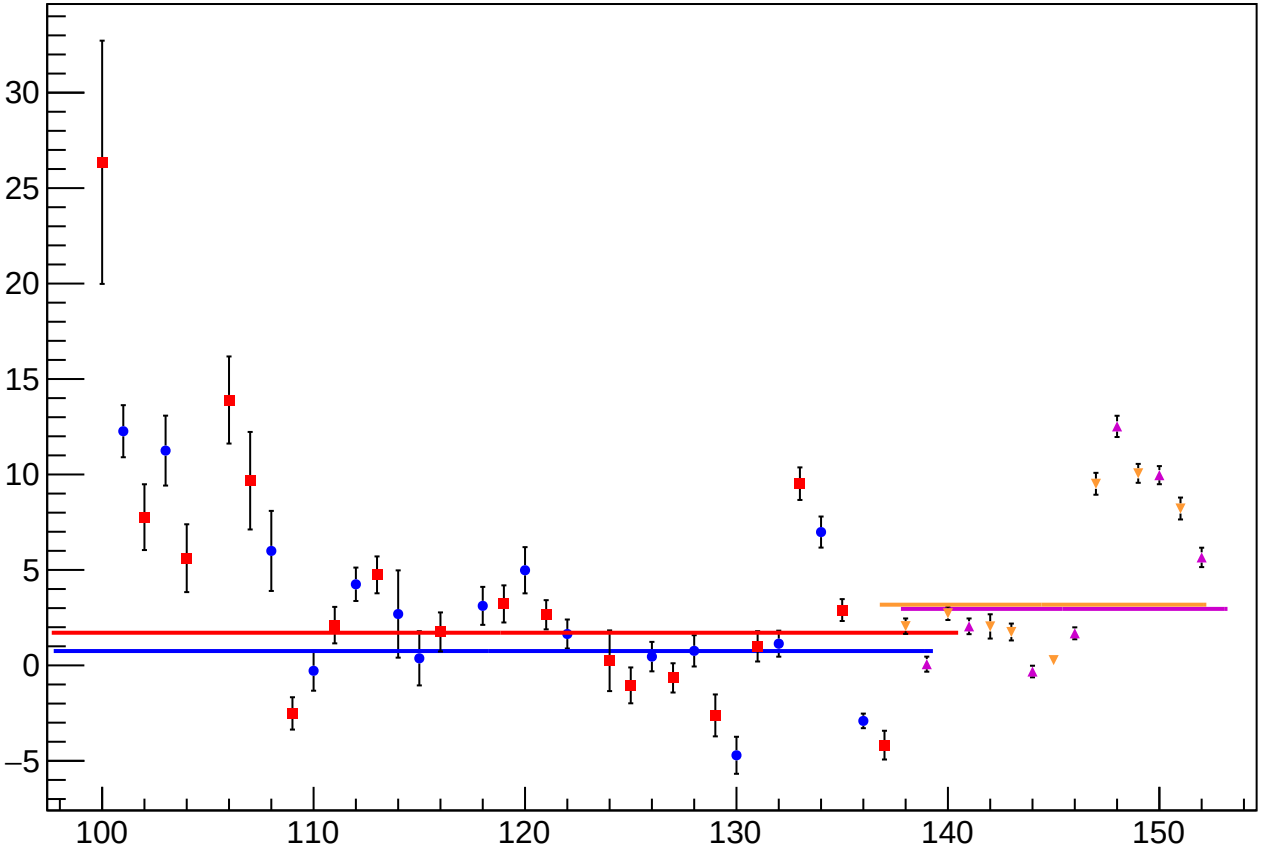
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.269+/-0.004 χ^2/NDF:2605.0/22

Out: 0.264+/-0.004 χ^2/NDF:3814.1/26

All: 0.267+/-0.003 χ^2/NDF: 6420.0/49

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: 2.960+/-0.149 χ^2/NDF:732.5/6

Left: 3.072+/-0.105 χ^2/NDF: 1270.2/14

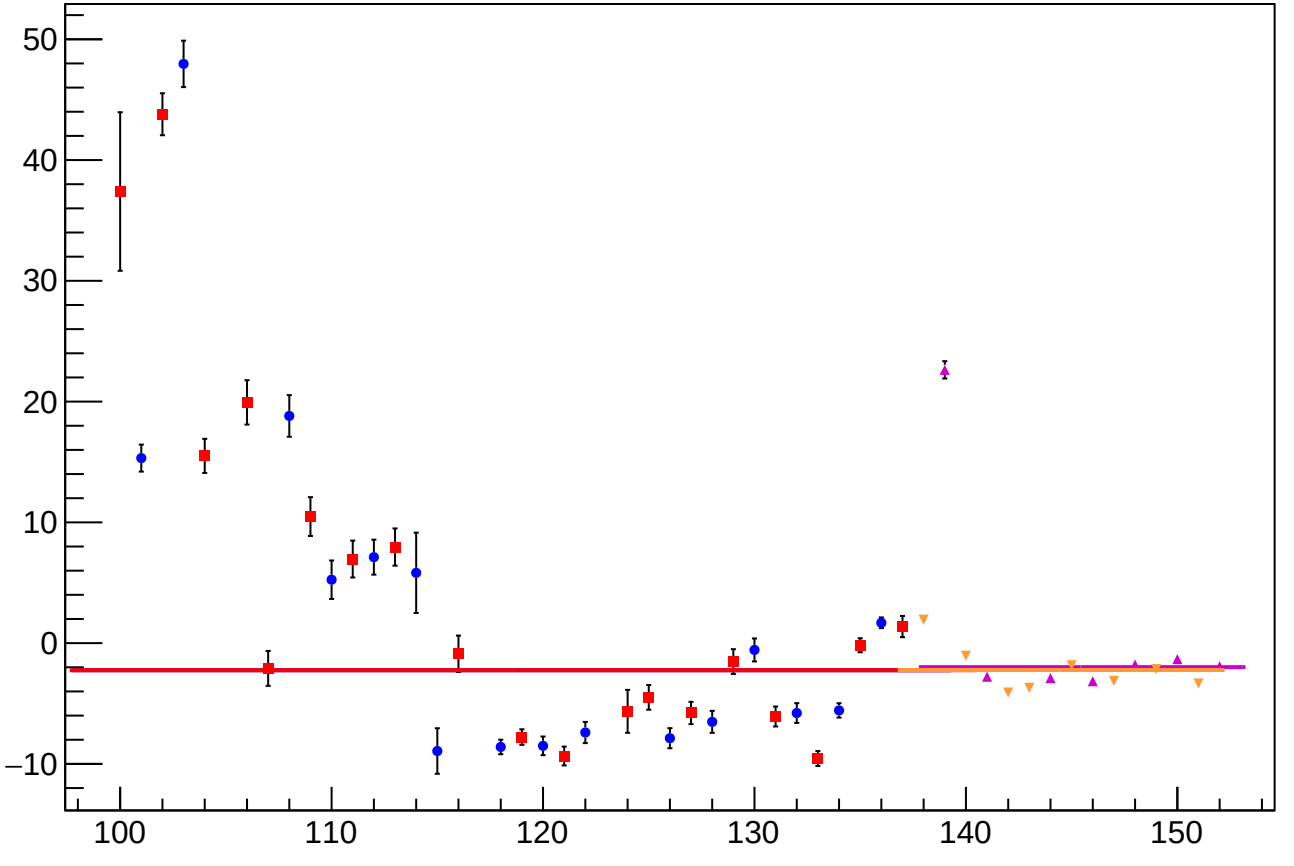
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 2.229+/-0.122 χ^2/NDF:1135.0/22

Out: 2.735+/-0.123 χ^2/NDF:860.8/26

All: 2.481+/-0.087 χ^2/NDF: 2004.3/49

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: -1.988+/-0.104 χ^2/NDF:1240.4/6

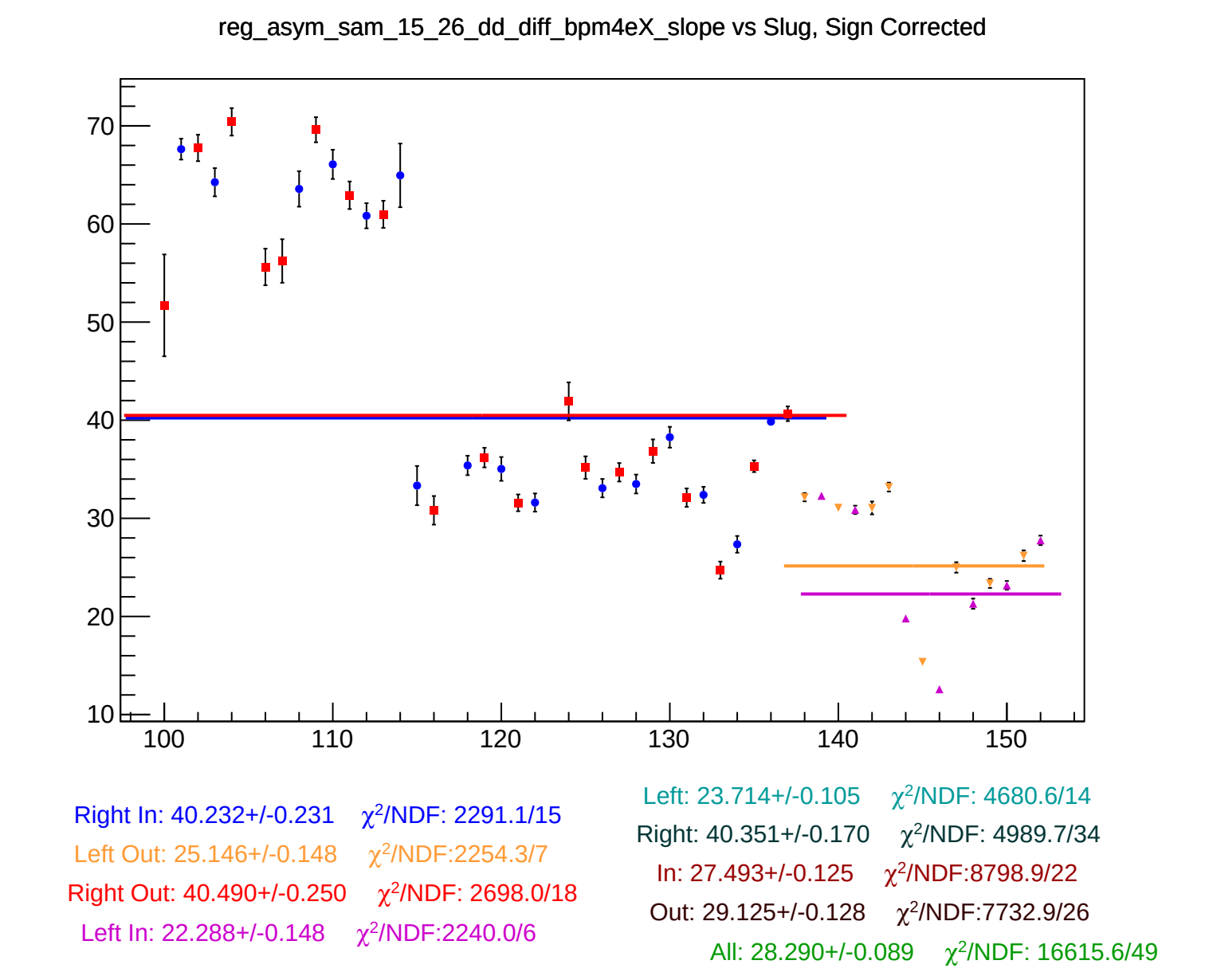
Left: -2.105+/-0.074 χ^2/NDF: 1439.7/14

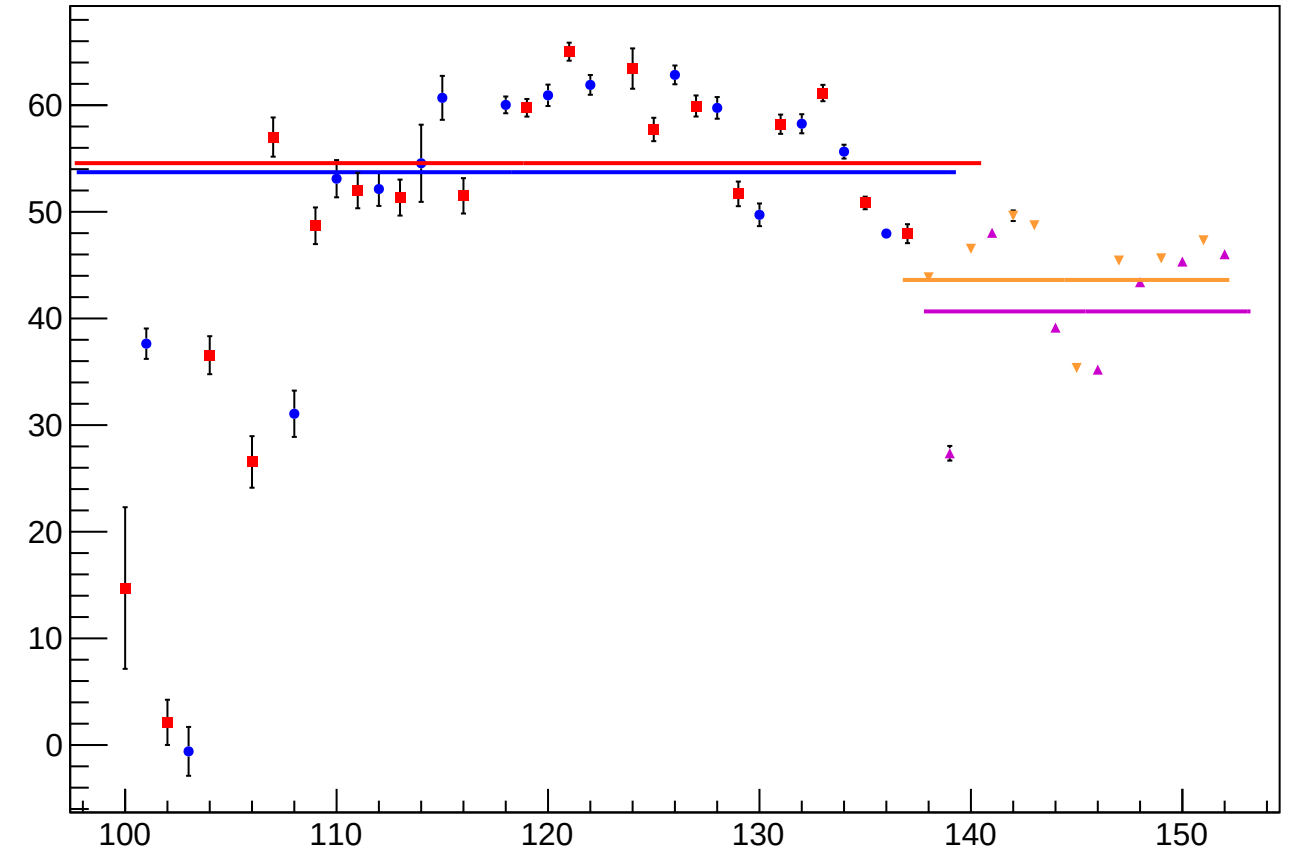
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.036+/-0.094 χ^2/NDF:2814.0/22

Out: -2.229+/-0.096 χ^2/NDF:1752.4/26

All: -2.130+/-0.067 χ^2/NDF: 4568.5/49


reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 40.232+/-0.231 χ²/NDF: 2291.1/15
Left Out: 25.146+/-0.148 χ²/NDF:2254.3/7
Right Out: 40.490+/-0.250 χ²/NDF: 2698.0/18
Left In: 22.288+/-0.148 χ²/NDF:2240.0/6
Left: 23.714+/-0.105 χ²/NDF: 4680.6/14
Right: 40.351+/-0.170 χ²/NDF: 4989.7/34
In: 27.493+/-0.125 χ²/NDF:8798.9/22
Out: 29.125+/-0.128 χ²/NDF:7732.9/26
All: 28.290+/-0.089 χ²/NDF: 16615.6/49



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: 40.660+/-0.126 χ^2/NDF:1755.0/6

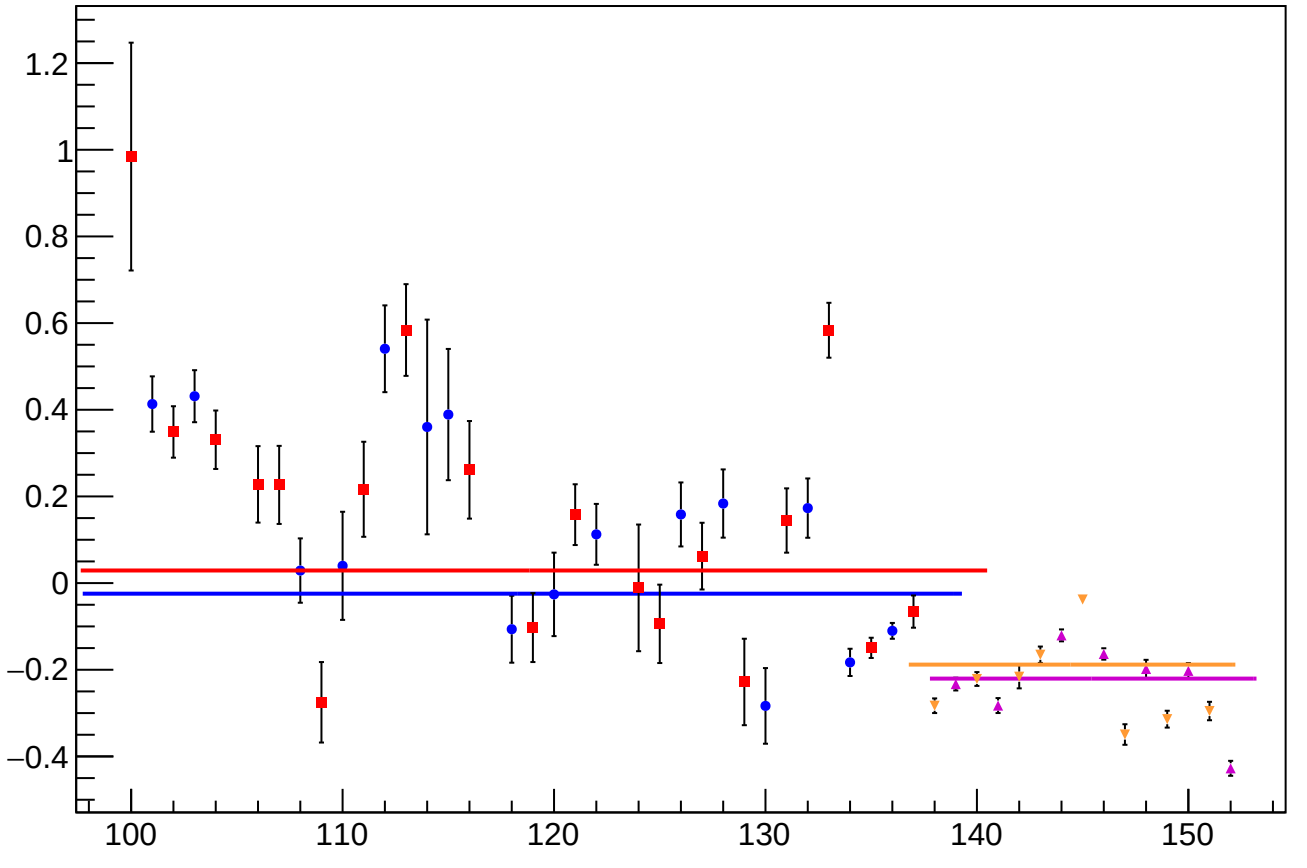
Left: 42.116+/-0.090 χ^2/NDF: 3686.3/14

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 43.500+/-0.111 χ^2/NDF:5452.2/22

Out: 45.795+/-0.114 χ^2/NDF:4467.3/26

All: 44.619+/-0.080 χ^2/NDF: 10126.0/49



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: -0.220+/-0.006 χ^2/NDF:230.8/6

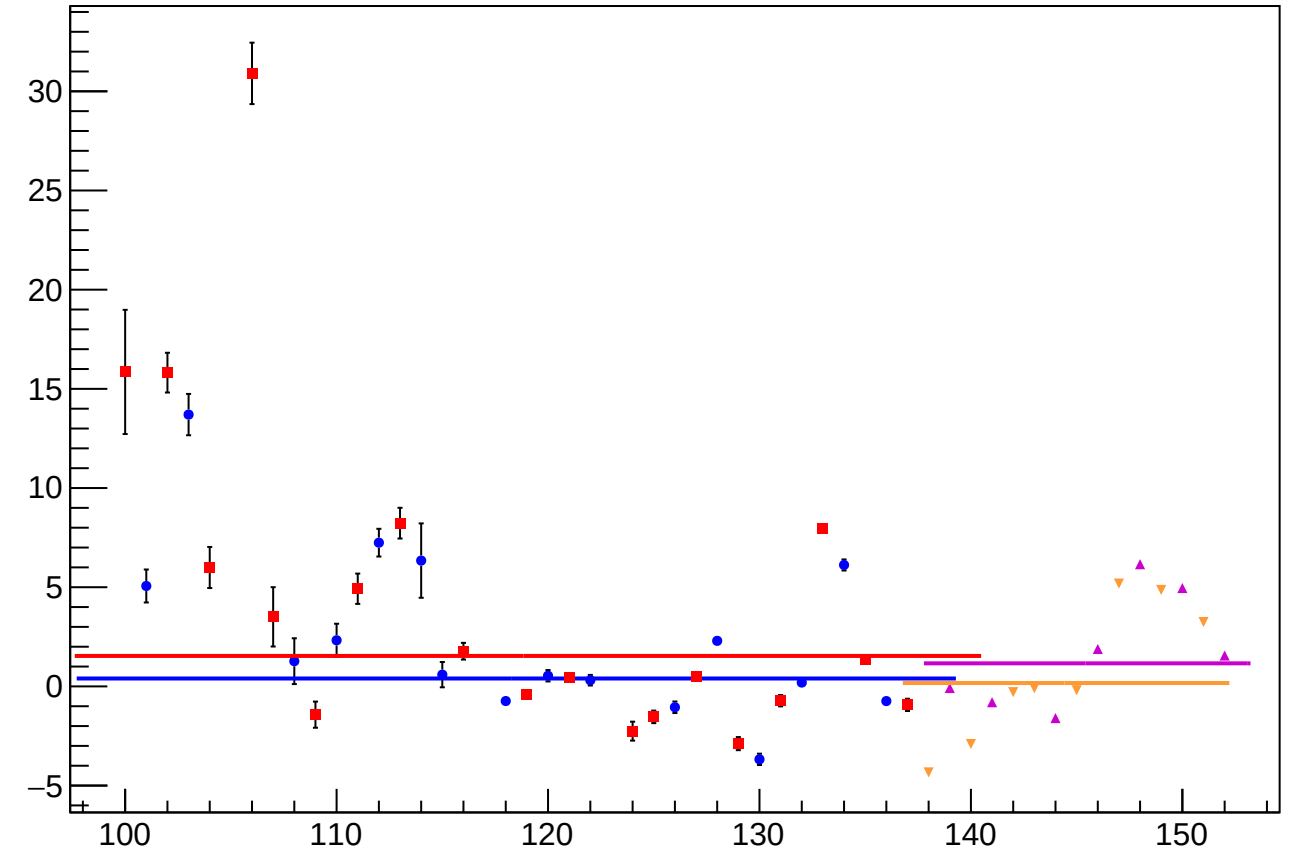
Left: -0.205+/-0.004 χ^2/NDF: 591.2/14

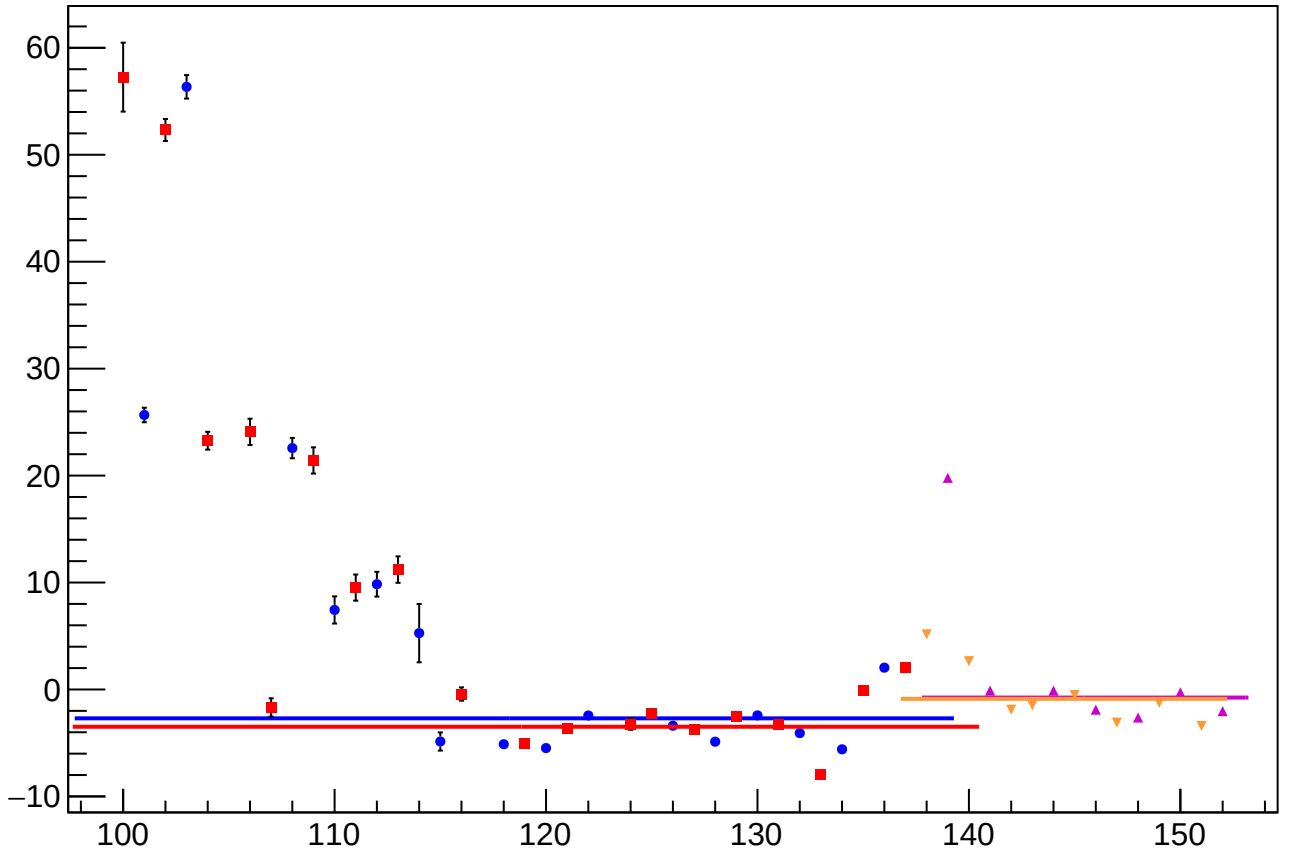
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.185+/-0.005 χ^2/NDF:652.5/22

Out: -0.154+/-0.006 χ^2/NDF:819.0/26

All: -0.170+/-0.004 χ^2/NDF: 1486.8/49


reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 0.398+/-0.077 χ²/NDF: 1097.4/15
Left Out: 0.170+/-0.053 χ²/NDF:3236.7/7
Right Out: 1.536+/-0.078 χ²/NDF: 2411.2/18
Left In: 1.163+/-0.053 χ²/NDF:2263.3/6
Left: 0.667+/-0.037 χ²/NDF: 5677.2/14
Right: 0.959+/-0.055 χ²/NDF: 3615.8/34
In: 0.919+/-0.043 χ²/NDF:3427.6/22
Out: 0.597+/-0.044 χ²/NDF:5857.5/26
All: 0.759+/-0.031 χ²/NDF: 9312.4/49



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: -0.758+/-0.037 χ^2/NDF:7404.8/6

Left: -0.816+/-0.026 χ^2/NDF: 11082.0/14

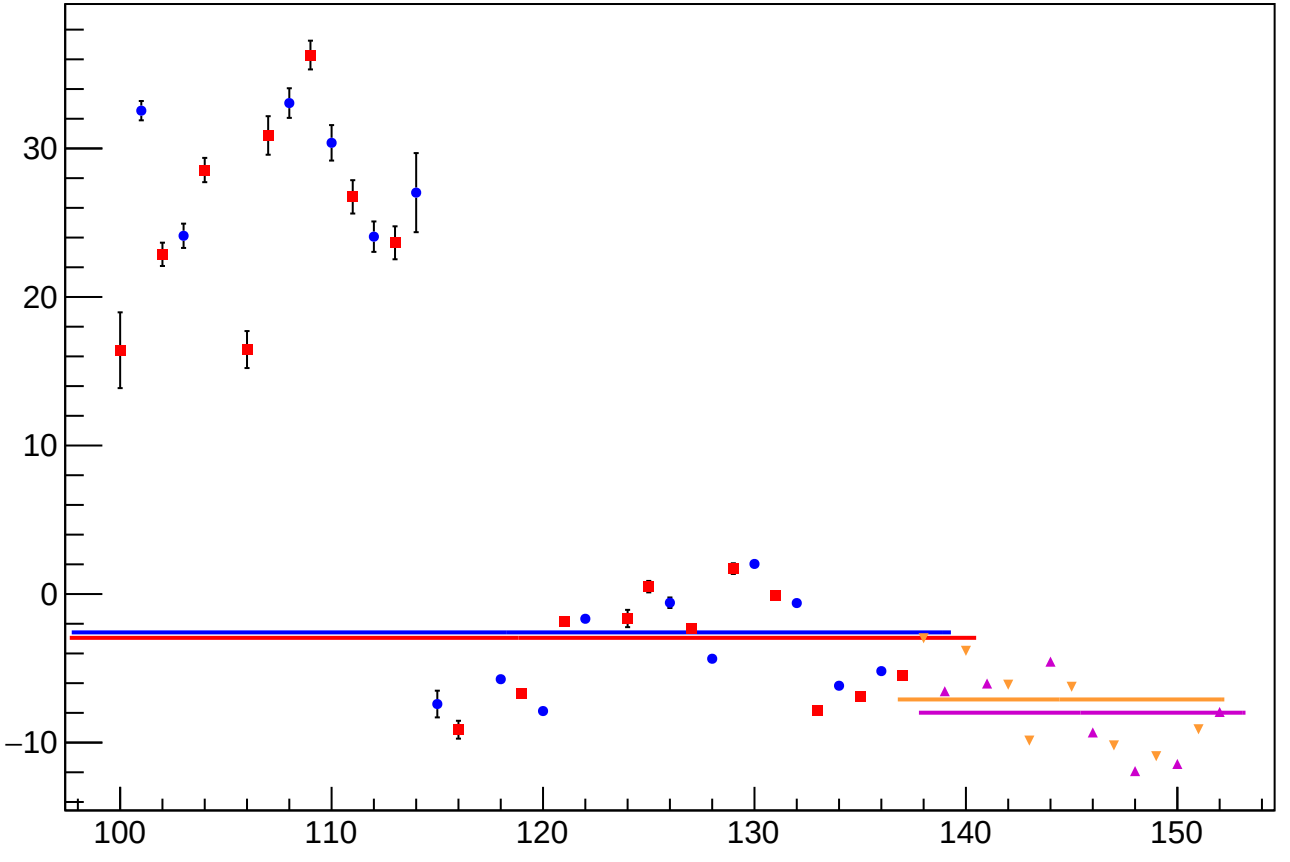
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.173+/-0.033 χ^2/NDF:15100.7/22

Out: -1.447+/-0.033 χ^2/NDF:11892.0/26

All: -1.308+/-0.023 χ^2/NDF: 27027.4/49

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: -7.989+/-0.052 χ^2/NDF:2432.6/6

Left: -7.549+/-0.037 χ^2/NDF: 5305.9/14

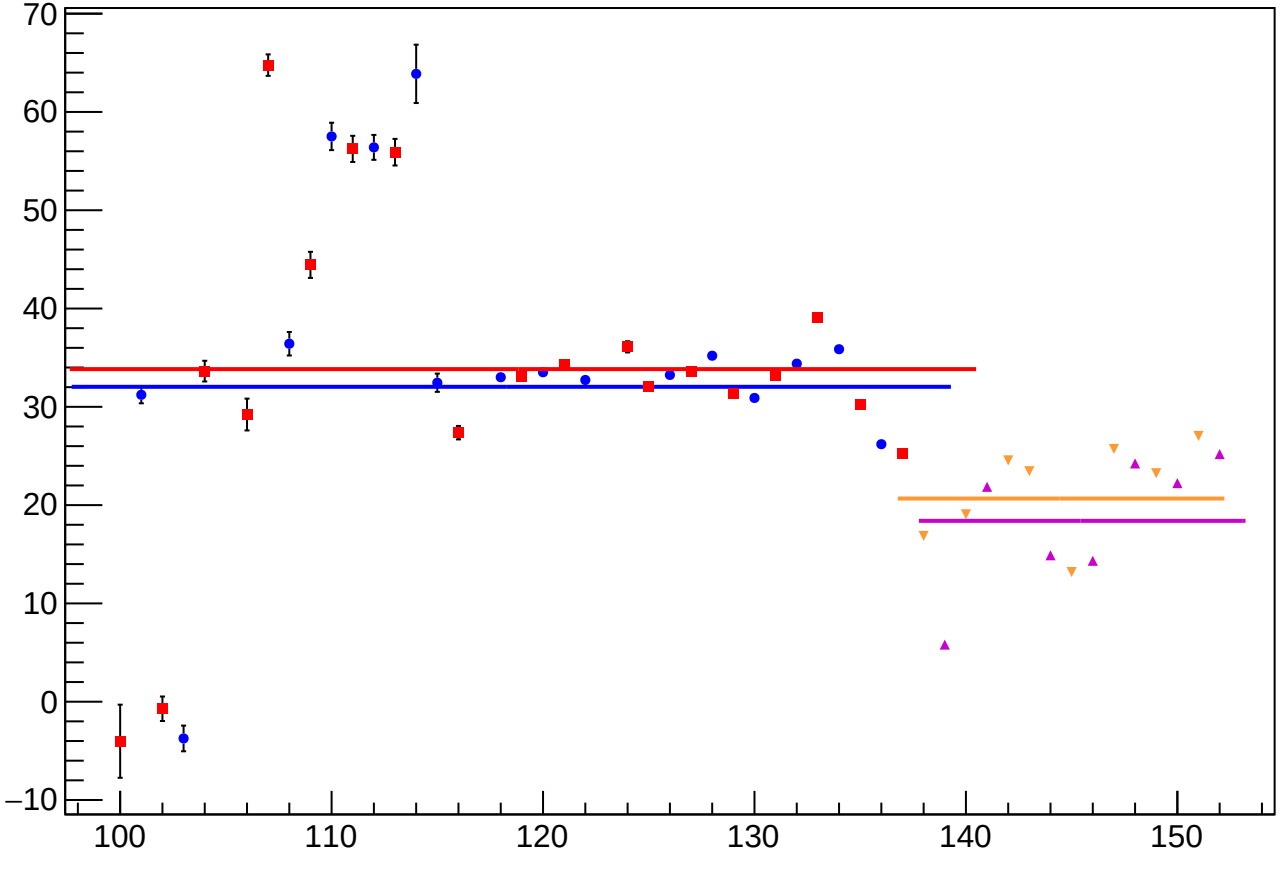
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.463+/-0.044 χ^2/NDF:13632.4/22

Out: -5.939+/-0.045 χ^2/NDF:12644.9/26

All: -6.205+/-0.031 χ^2/NDF: 26346.8/49

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: 18.400+/-0.045 χ^2/NDF:12110.9/6

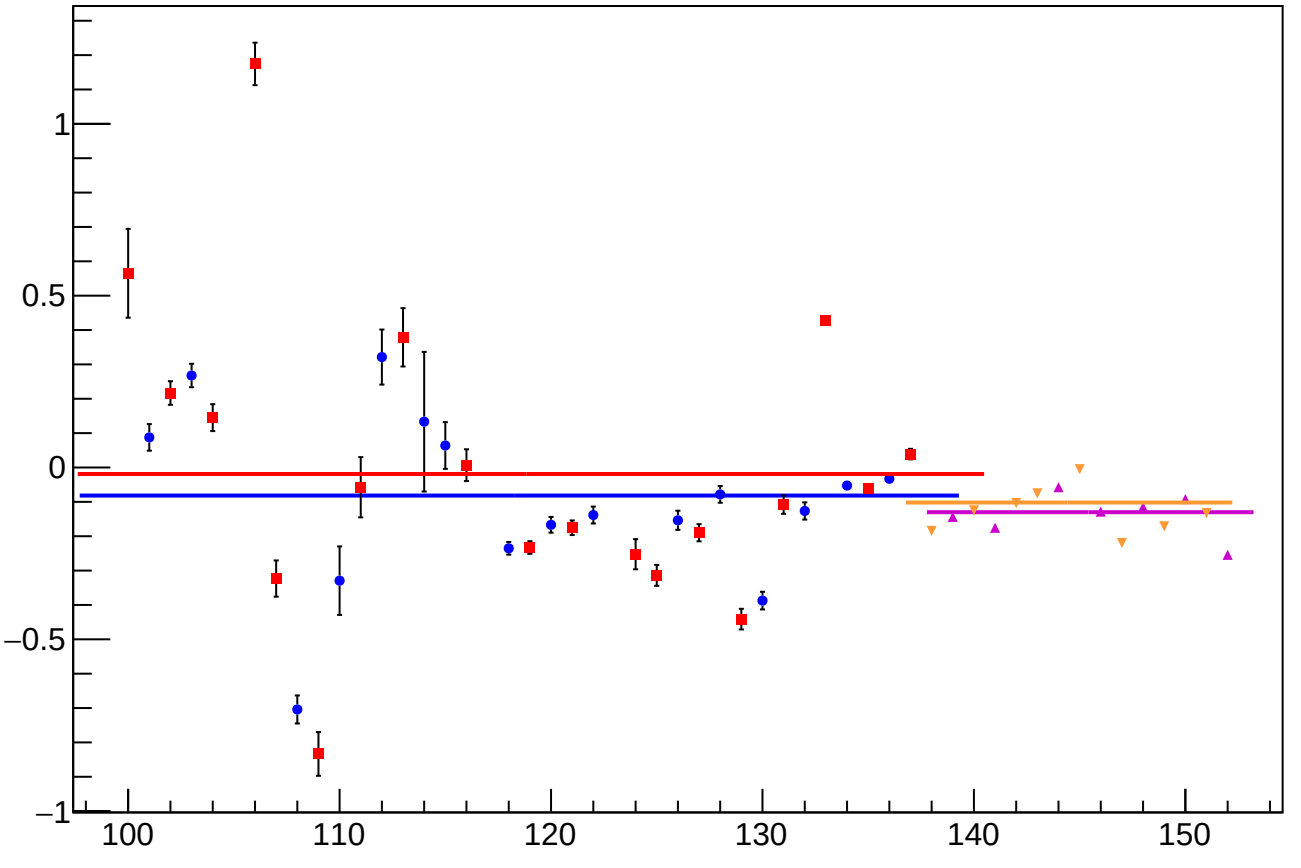
Left: 19.512+/-0.032 χ^2/NDF: 25679.8/14

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 21.549+/-0.039 χ^2/NDF:37014.7/22

Out: 23.786+/-0.040 χ^2/NDF:36401.9/26

All: 22.649+/-0.028 χ^2/NDF: 75029.4/49



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: -0.130+/-0.002 χ^2/NDF:666.4/6

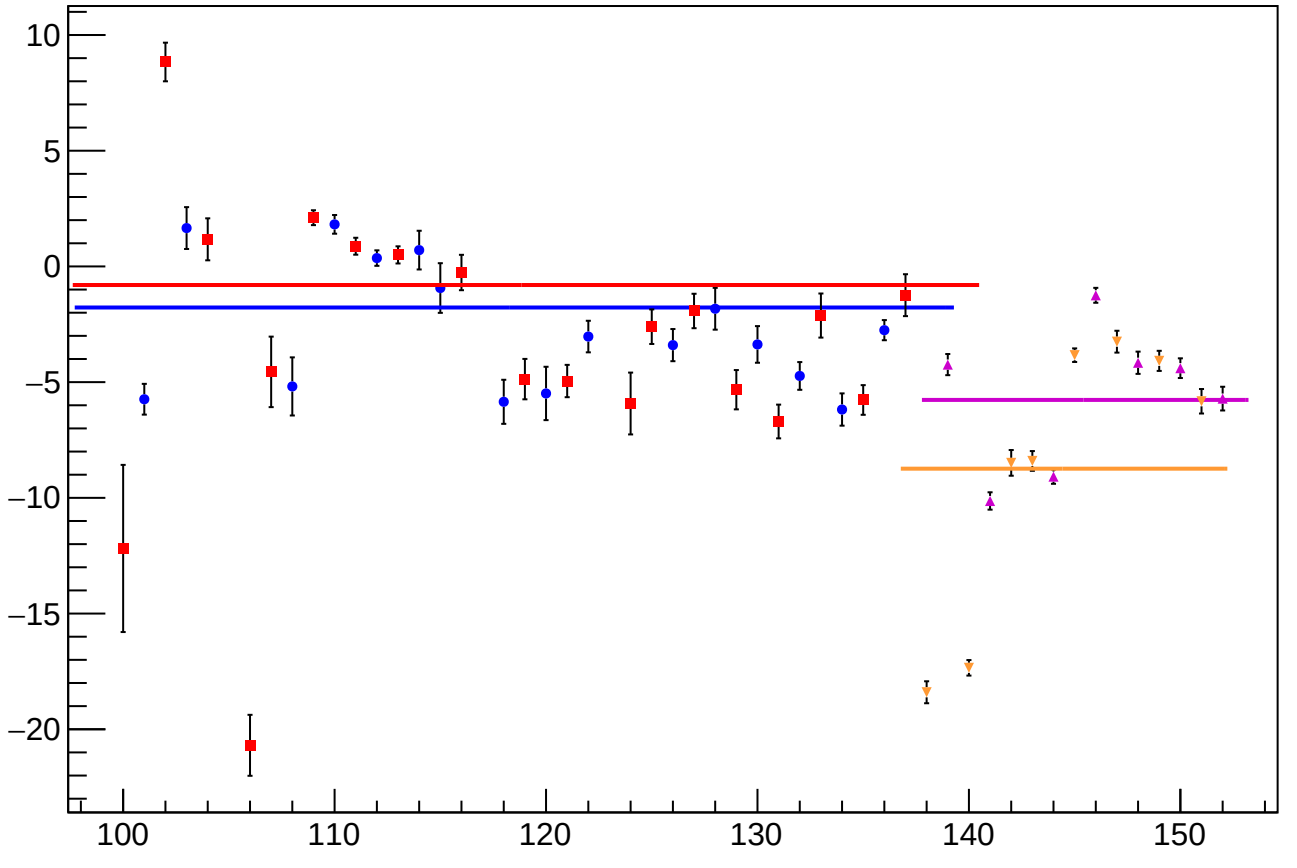
Left: -0.116+/-0.002 χ^2/NDF: 1886.8/14

Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.122+/-0.002 χ^2/NDF:1440.0/22

Out: -0.089+/-0.002 χ^2/NDF:3624.5/26

All: -0.106+/-0.001 χ^2/NDF: 5201.9/49



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: -5.768+/-0.148 χ^2/NDF:478.8/6

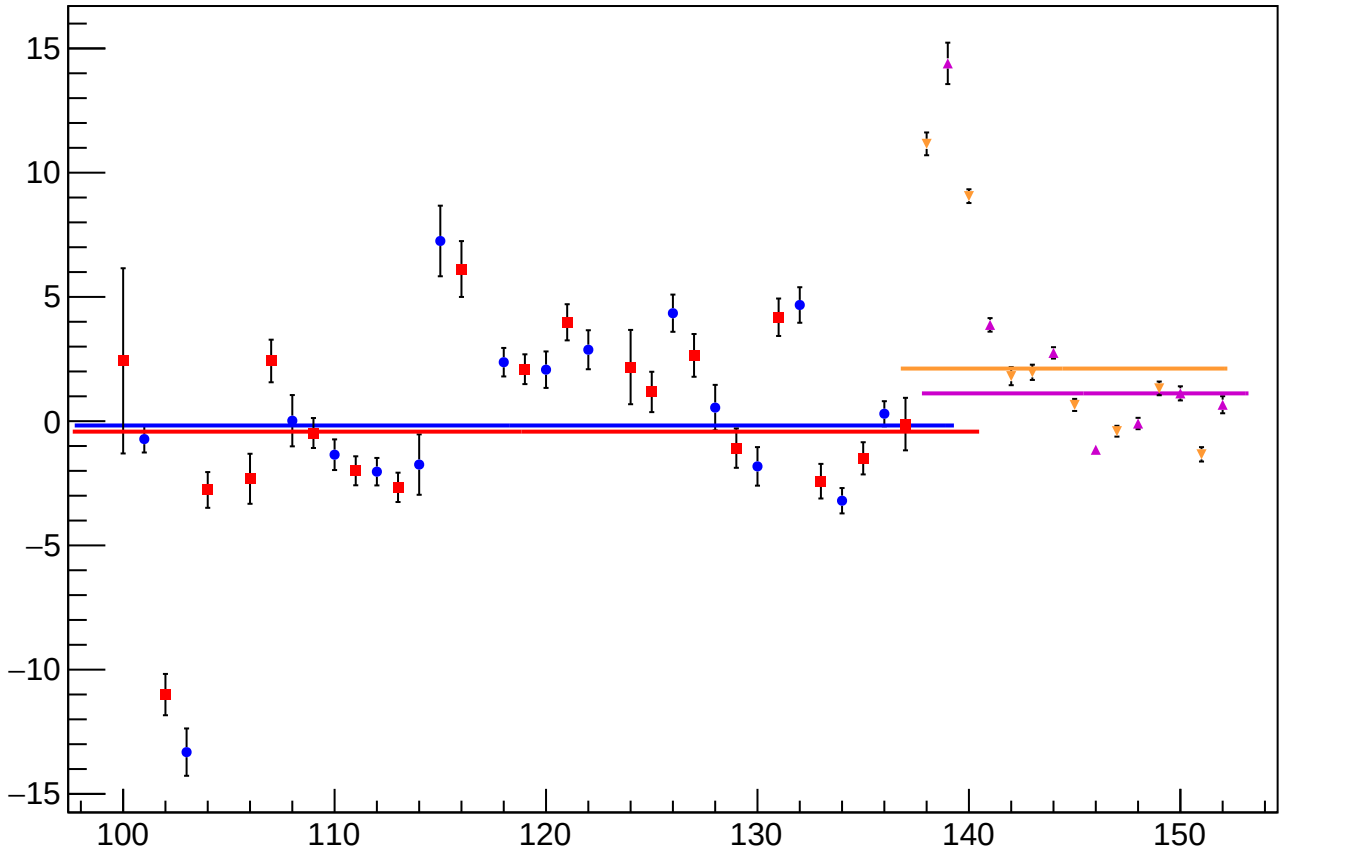
Left: -7.278+/-0.104 χ^2/NDF: 2316.7/14

Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

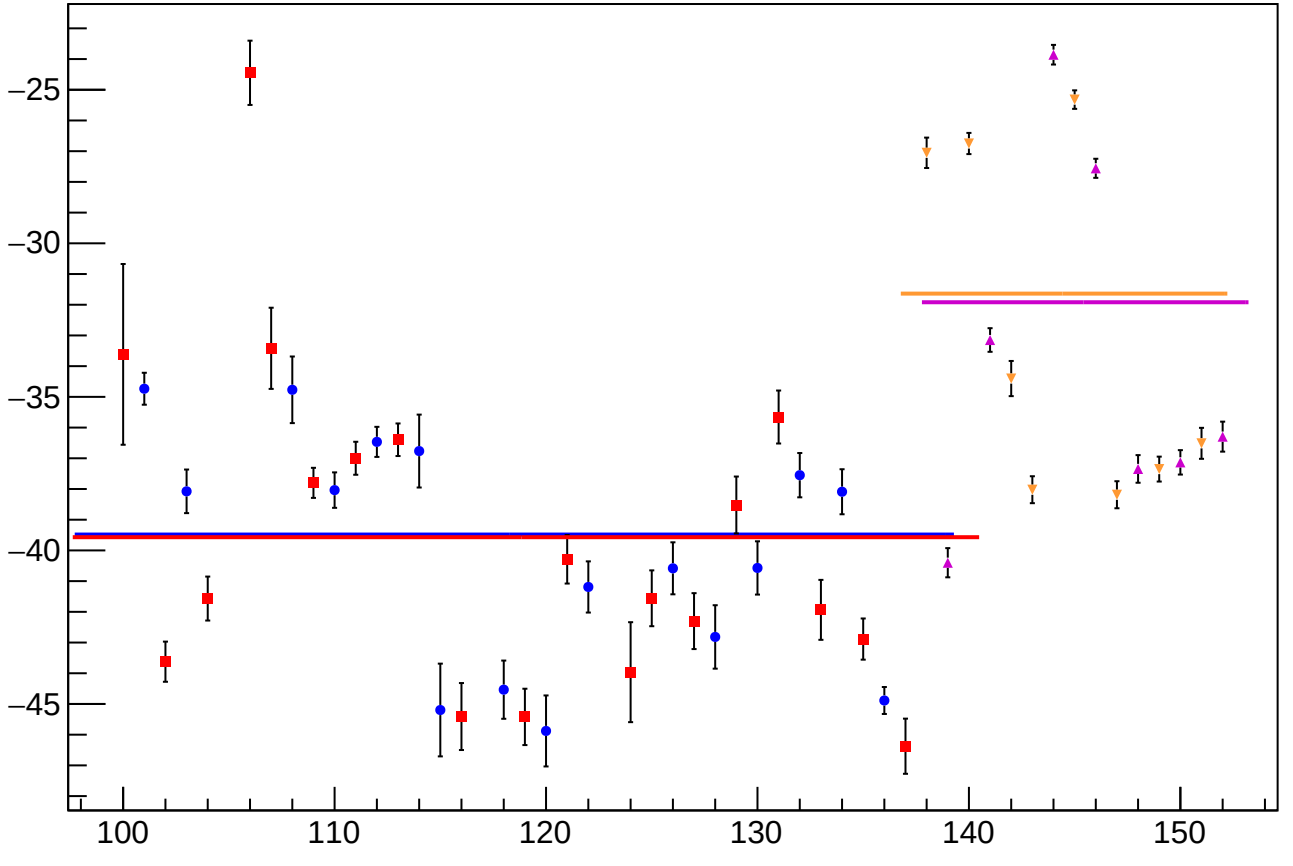
In: -3.889+/-0.108 χ^2/NDF:1118.3/22

Out: -4.840+/-0.104 χ^2/NDF:3823.5/26

All: -4.381+/-0.075 χ^2/NDF: 4982.2/49


reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
Right In: -0.174+/-0.173 χ²/NDF: 403.1/15
Left Out: 2.117+/-0.100 χ²/NDF:1339.1/7
Right Out: -0.421+/-0.177 χ²/NDF: 366.3/18
Left In: 1.118+/-0.100 χ²/NDF:573.1/6
Left: 1.614+/-0.071 χ²/NDF: 1961.9/14
Right: -0.295+/-0.124 χ²/NDF: 770.4/34
In: 0.795+/-0.086 χ²/NDF:1018.1/22
Out: 1.499+/-0.087 χ²/NDF:1860.6/26
All: 1.144+/-0.061 χ²/NDF: 2911.5/49

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: -31.919+/-0.146 χ^2/NDF:1558.5/6

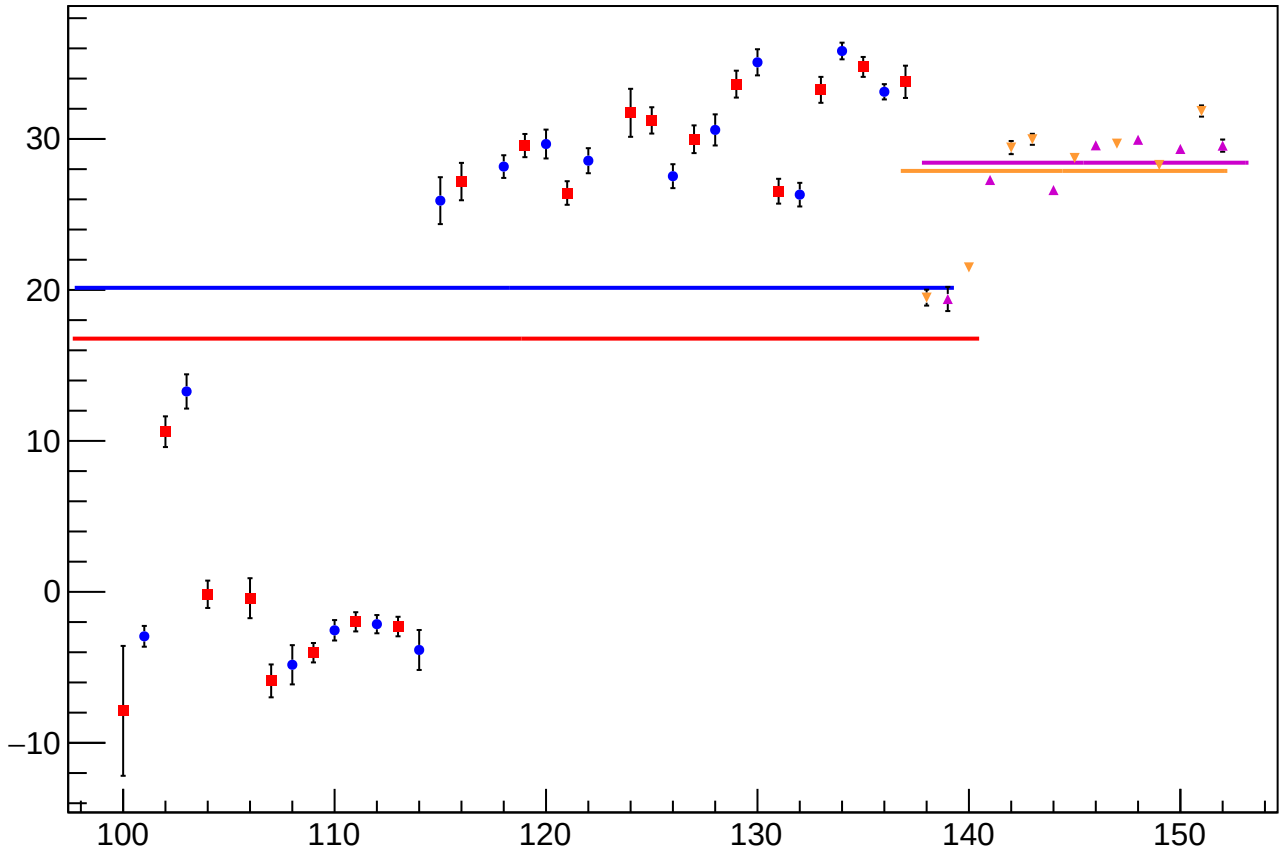
Left: -31.778+/-0.103 χ^2/NDF: 3034.5/14

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -34.922+/-0.114 χ^2/NDF:3030.2/22

Out: -34.765+/-0.114 χ^2/NDF:3191.2/26

All: -34.844+/-0.080 χ^2/NDF: 6222.3/49



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: 28.428+/-0.122 χ^2/NDF:246.4/6

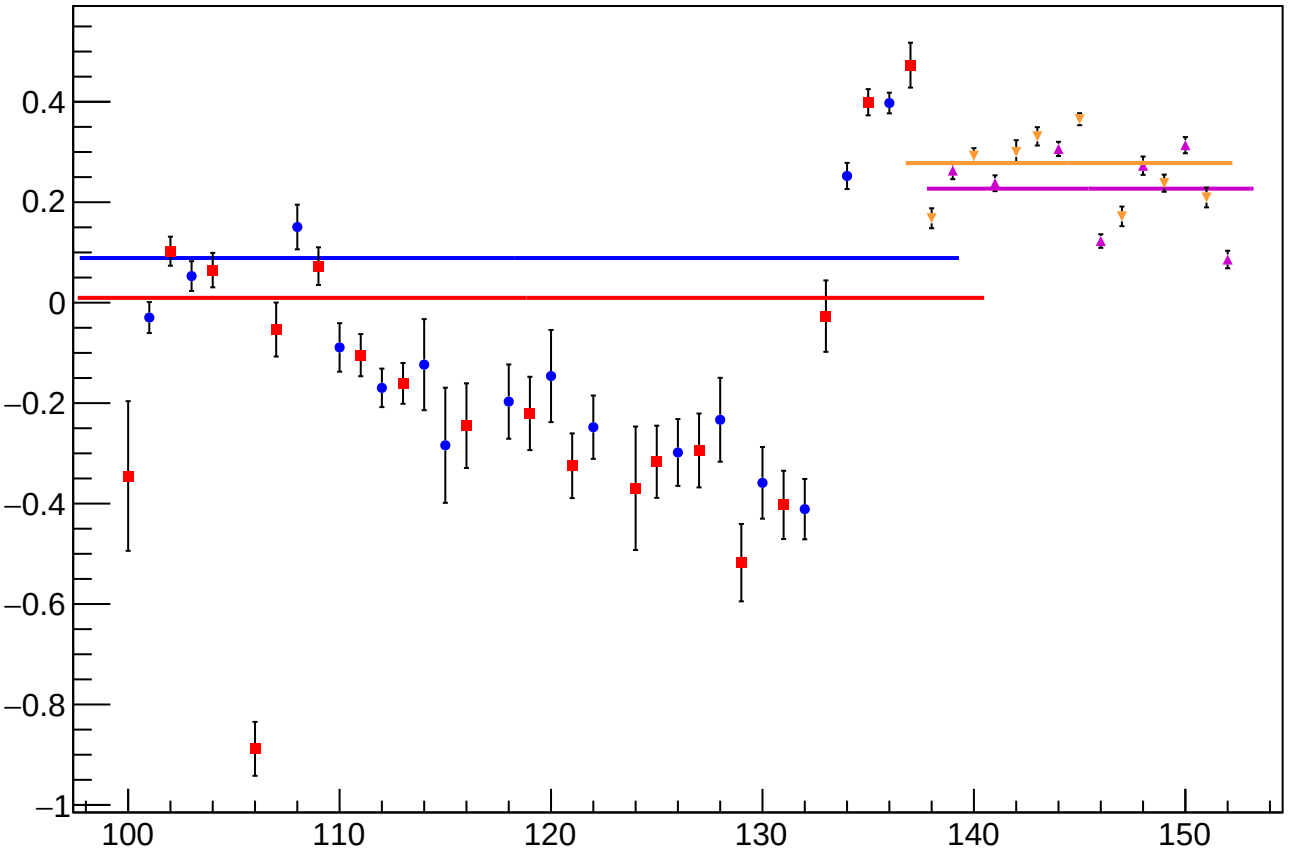
Left: 28.158+/-0.087 χ^2/NDF: 1084.9/14

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.093+/-0.103 χ^2/NDF:8232.2/22

Out: 24.824+/-0.105 χ^2/NDF:9809.8/26

All: 25.467+/-0.074 χ^2/NDF: 18116.3/49



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: 0.227+/-0.006 χ^2/NDF:196.1/6

Left: 0.252+/-0.004 χ^2/NDF: 373.5/14

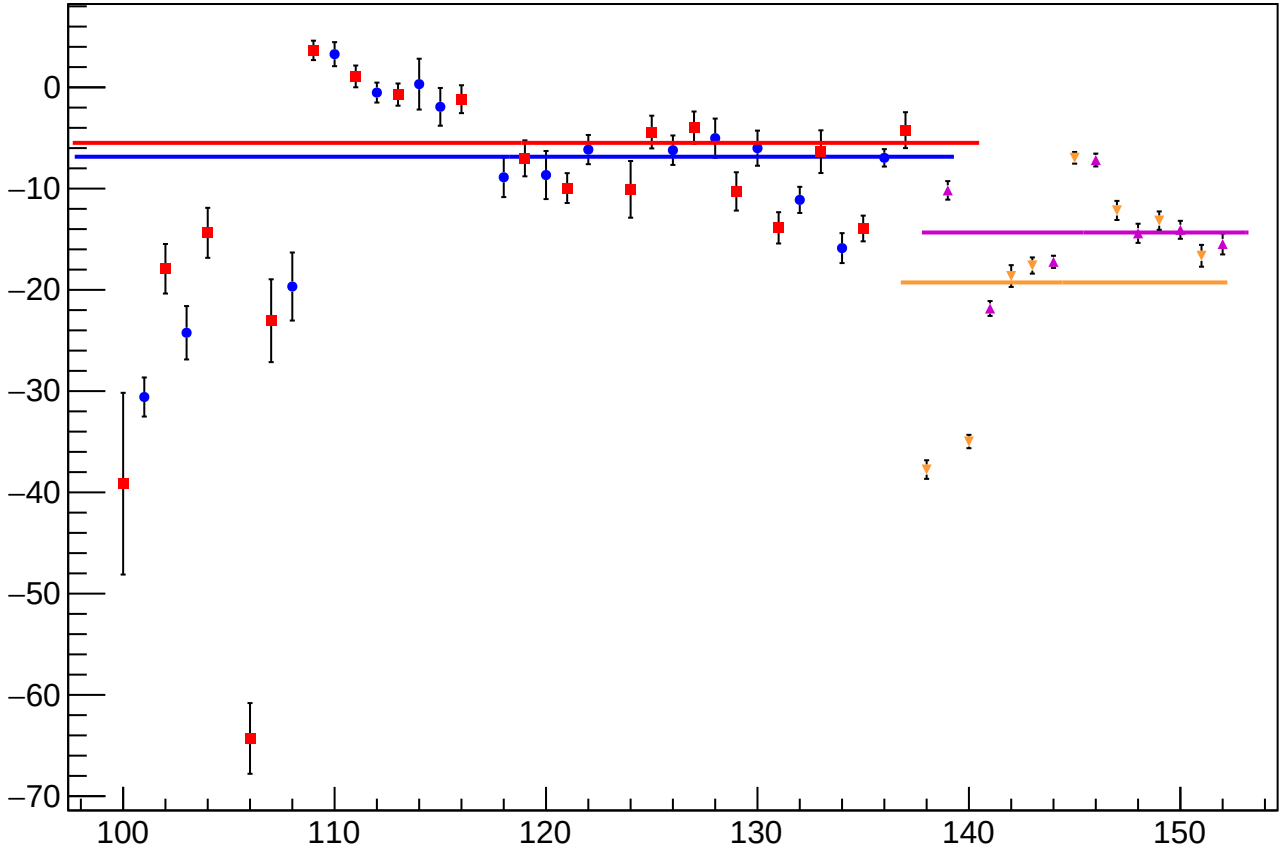
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.193+/-0.005 χ^2/NDF:892.4/22

Out: 0.216+/-0.005 χ^2/NDF:1432.0/26

All: 0.204+/-0.004 χ^2/NDF: 2334.0/49

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: -14.336+/-0.293 χ^2/NDF:276.6/6

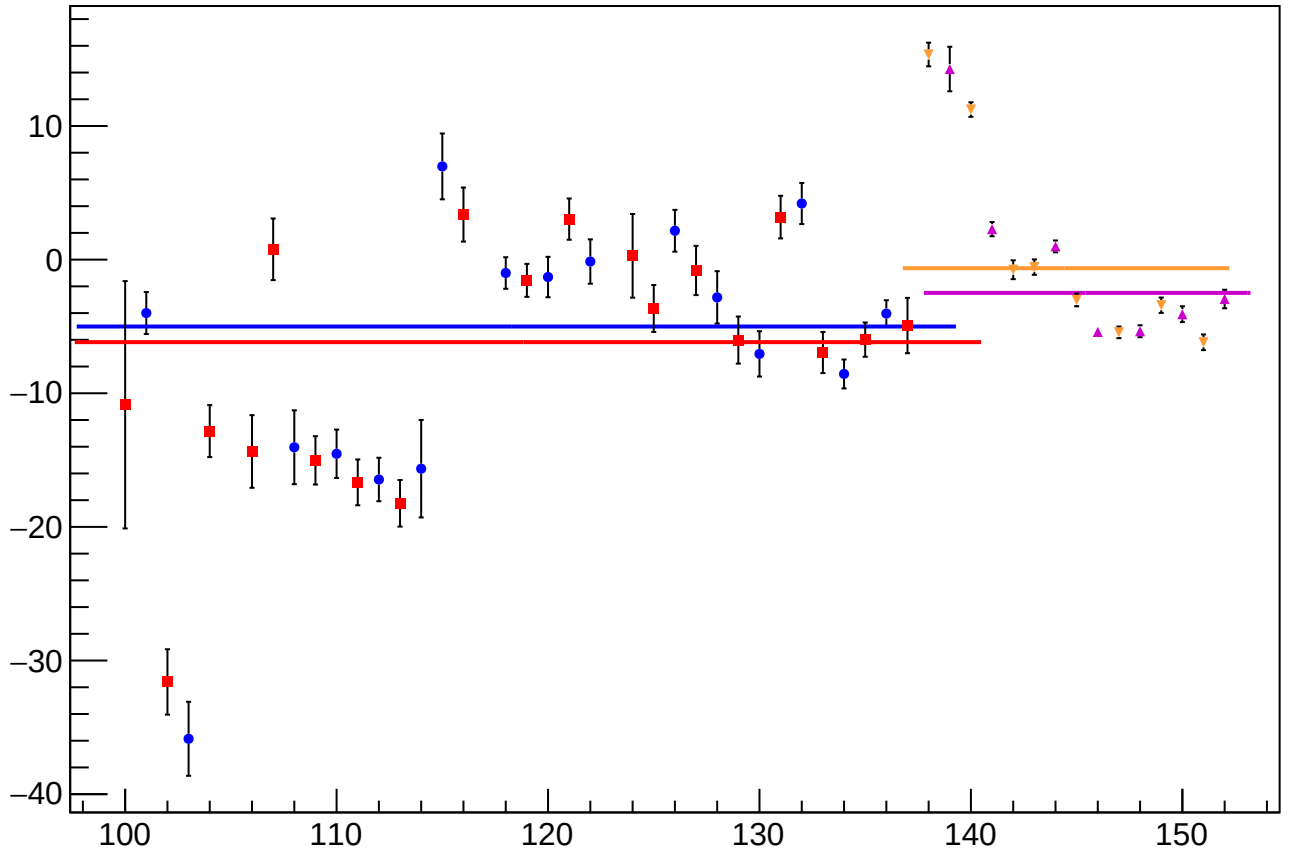
Left: -16.852+/-0.205 χ^2/NDF: 1959.4/14

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -11.500+/-0.231 χ^2/NDF:913.2/22

Out: -14.062+/-0.227 χ^2/NDF:3013.8/26

All: -12.806+/-0.162 χ^2/NDF: 3989.5/49



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: -2.488+/-0.196 χ^2/NDF:351.7/6

Left: -1.576+/-0.140 χ^2/NDF: 1457.8/14

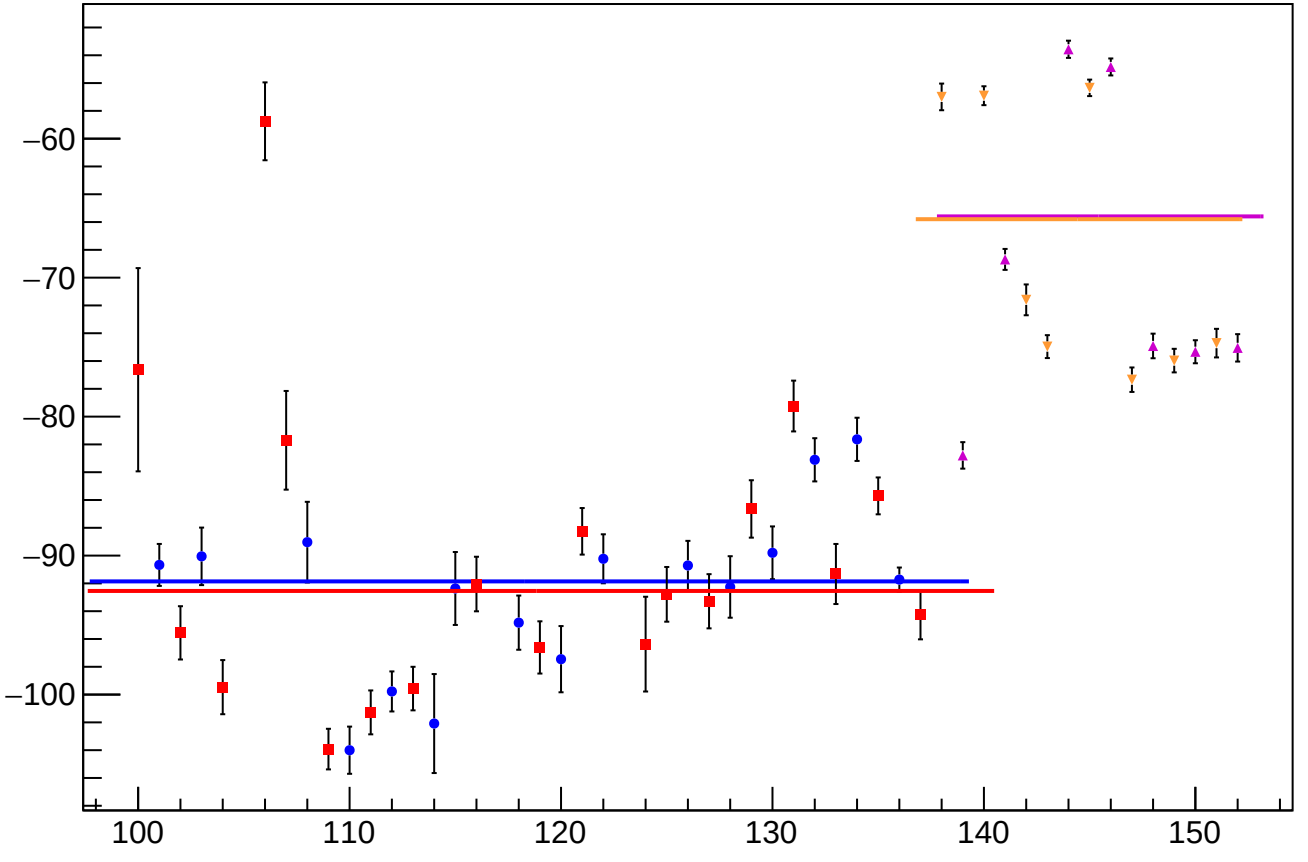
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -2.986+/-0.176 χ^2/NDF:726.0/22

Out: -1.667+/-0.179 χ^2/NDF:1575.1/26

All: -2.339+/-0.126 χ^2/NDF: 2328.7/49

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: -65.593+/-0.290 χ^2/NDF:1370.4/6

Left: -65.694+/-0.204 χ^2/NDF: 2422.7/14

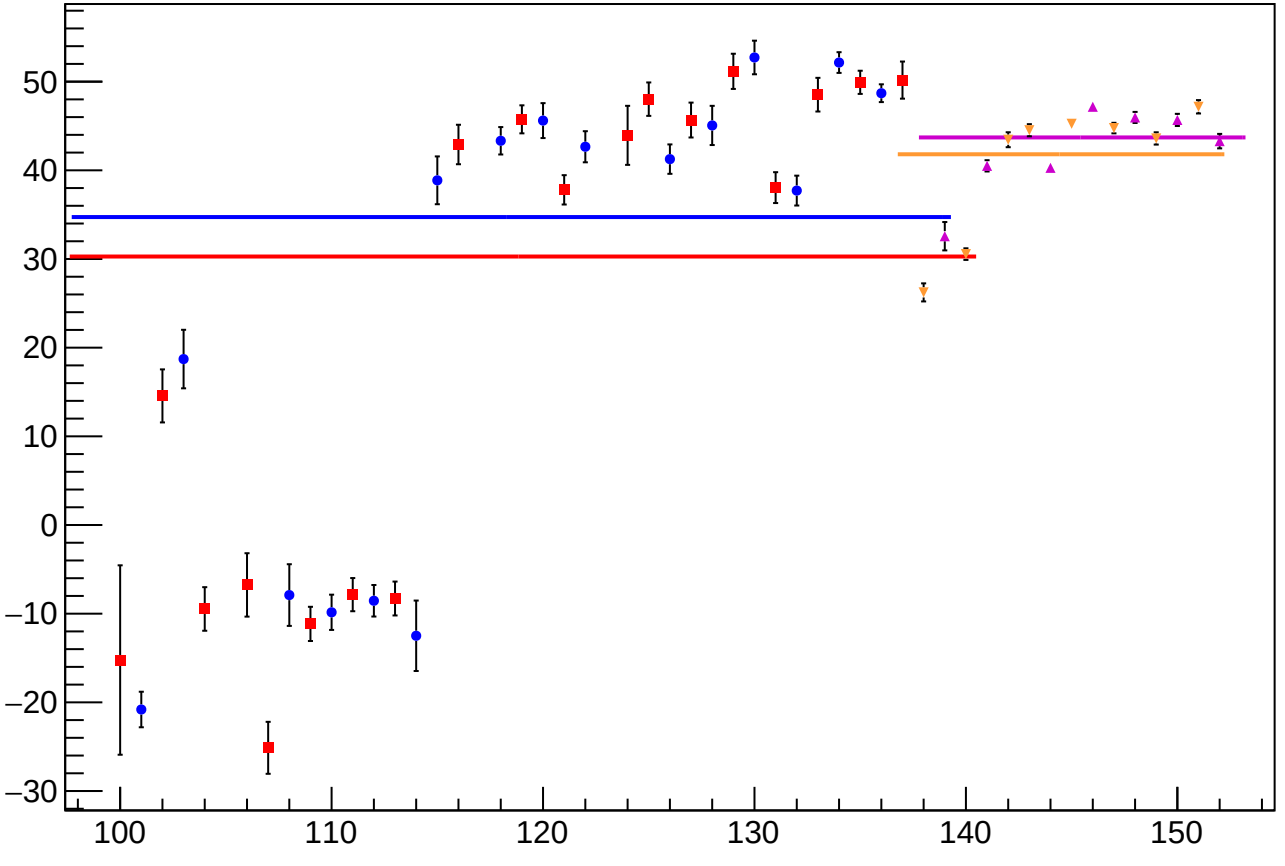
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -73.954+/-0.239 χ^2/NDF:4162.4/22

Out: -73.857+/-0.241 χ^2/NDF:4030.6/26

All: -73.906+/-0.170 χ^2/NDF: 8193.1/49

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.810+/-0.243 χ^2/NDF:669.9/7

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 43.709+/-0.241 χ^2/NDF:192.9/6

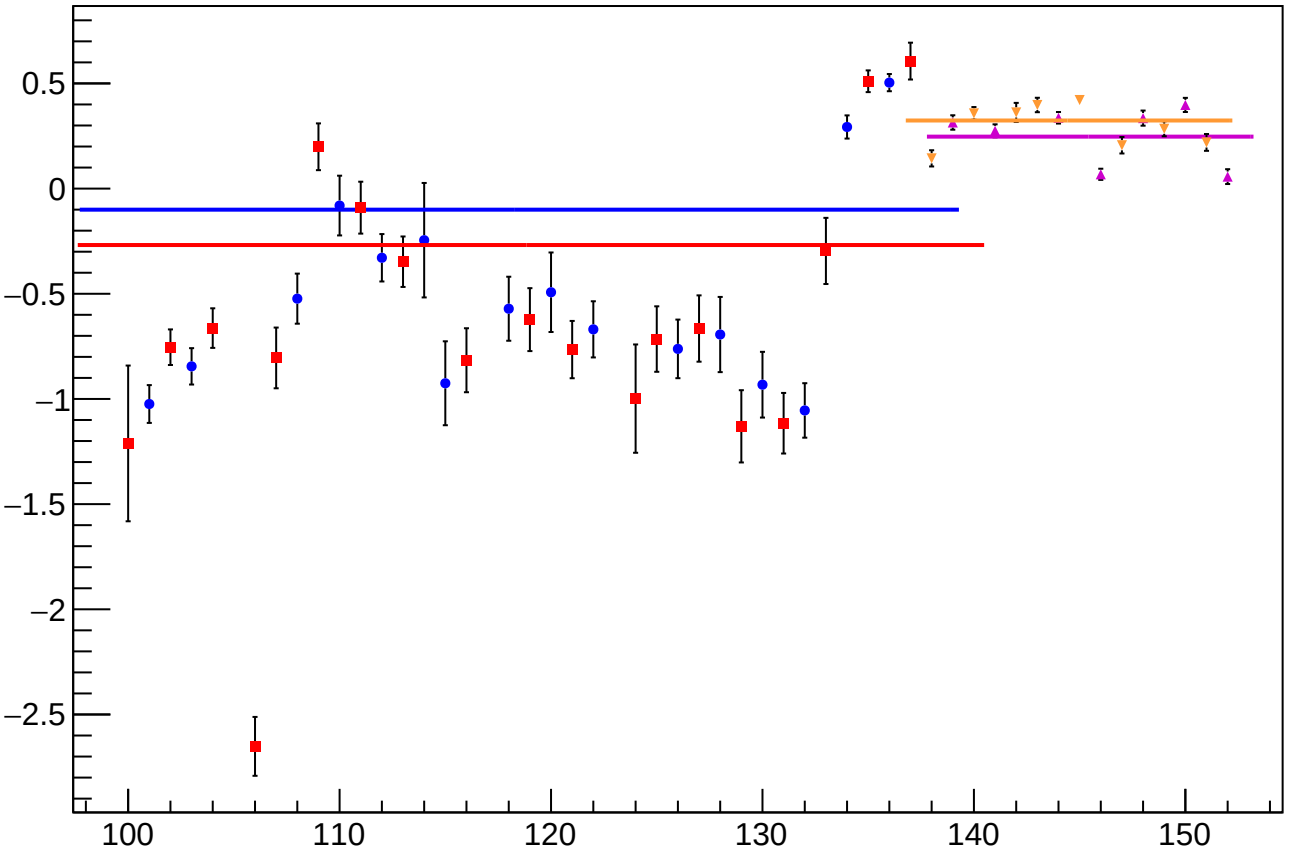
Left: 42.770+/-0.171 χ^2/NDF: 893.6/14

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 41.655+/-0.211 χ^2/NDF:3320.5/22

Out: 39.348+/-0.216 χ^2/NDF:4060.3/26

All: 40.525+/-0.151 χ^2/NDF: 7439.1/49



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: 0.247+/-0.012 χ^2/NDF:116.0/6

Left: 0.285+/-0.008 χ^2/NDF: 199.4/14

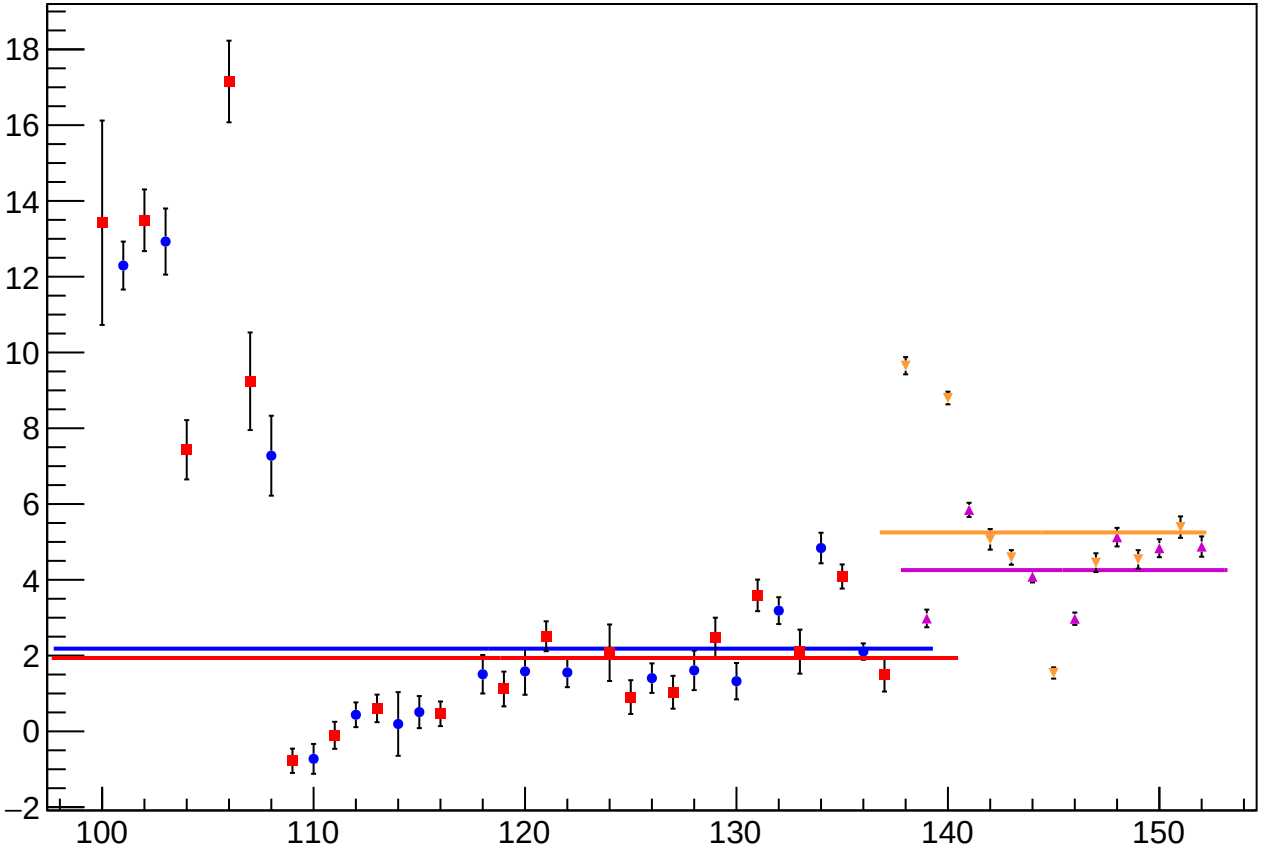
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.179+/-0.011 χ^2/NDF:915.5/22

Out: 0.222+/-0.011 χ^2/NDF:1303.6/26

All: 0.200+/-0.008 χ^2/NDF: 2227.2/49

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: 4.256+/-0.075 χ^2/NDF:189.5/6

Left: 4.767+/-0.053 χ^2/NDF: 1753.9/14

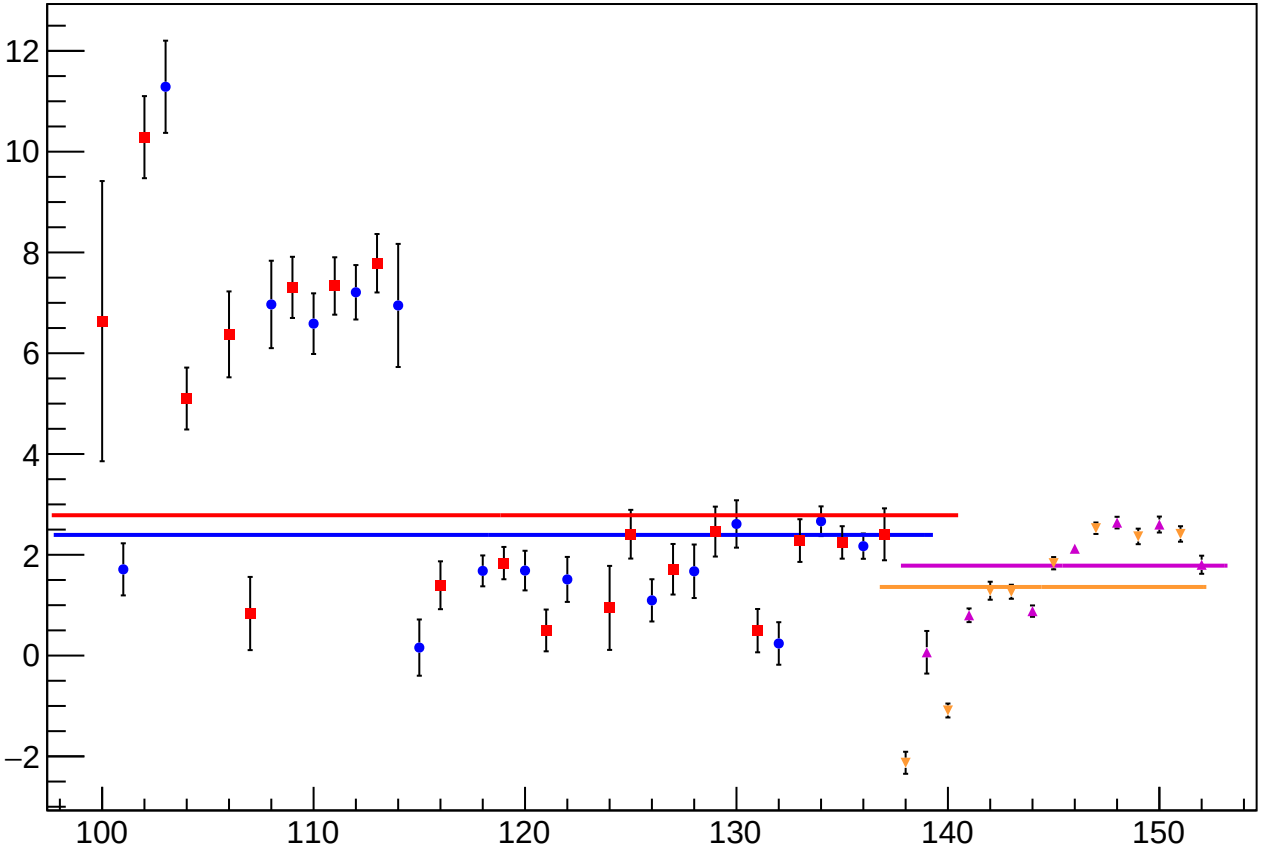
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.551+/-0.061 χ^2/NDF:1045.8/22

Out: 4.170+/-0.060 χ^2/NDF:2857.6/26

All: 3.866+/-0.043 χ^2/NDF: 3955.5/49

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: 1.784+/-0.050 χ^2/NDF:227.1/6

Left: 1.576+/-0.036 χ^2/NDF: 1041.1/14

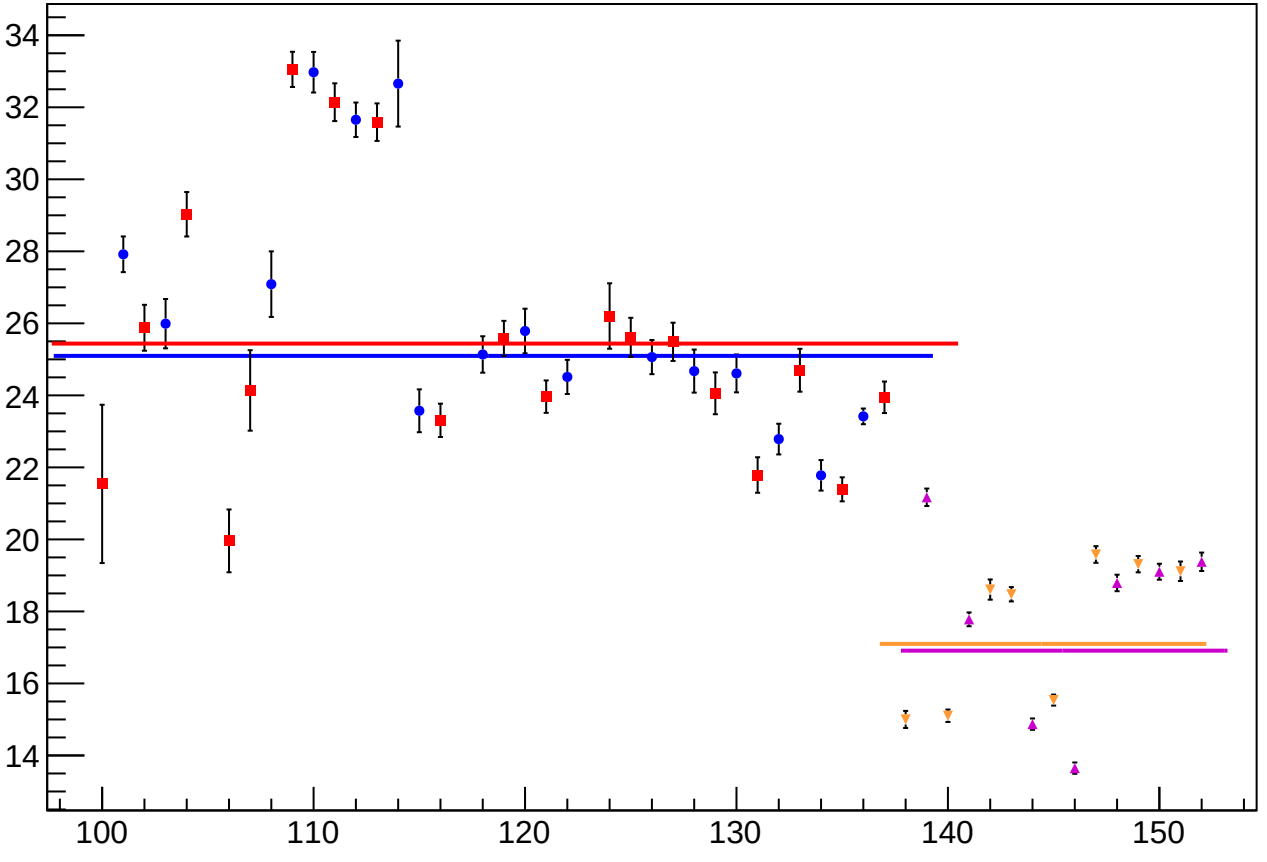
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.892+/-0.046 χ^2/NDF:587.1/22

Out: 1.592+/-0.047 χ^2/NDF:1316.5/26

All: 1.746+/-0.033 χ^2/NDF: 1924.7/49

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: 16.911+/-0.075 χ^2/NDF:1187.1/6

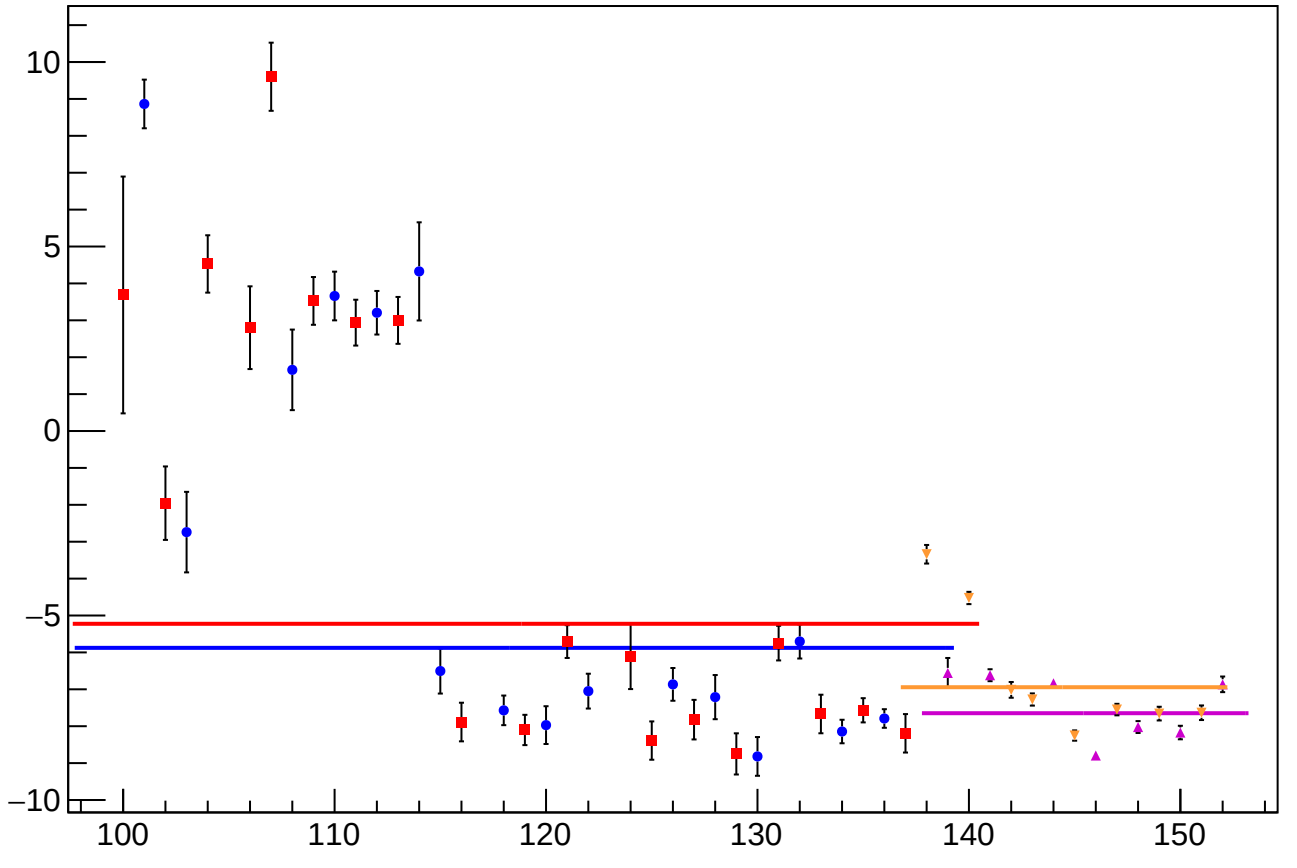
Left: 17.006+/-0.052 χ^2/NDF: 1849.2/14

Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 19.260+/-0.063 χ^2/NDF:5268.3/22

Out: 19.278+/-0.063 χ^2/NDF:4876.6/26

All: 19.269+/-0.045 χ^2/NDF: 10144.9/49



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: -7.647+/-0.062 χ^2/NDF:204.1/6

Left: -7.299+/-0.044 χ^2/NDF: 817.9/14

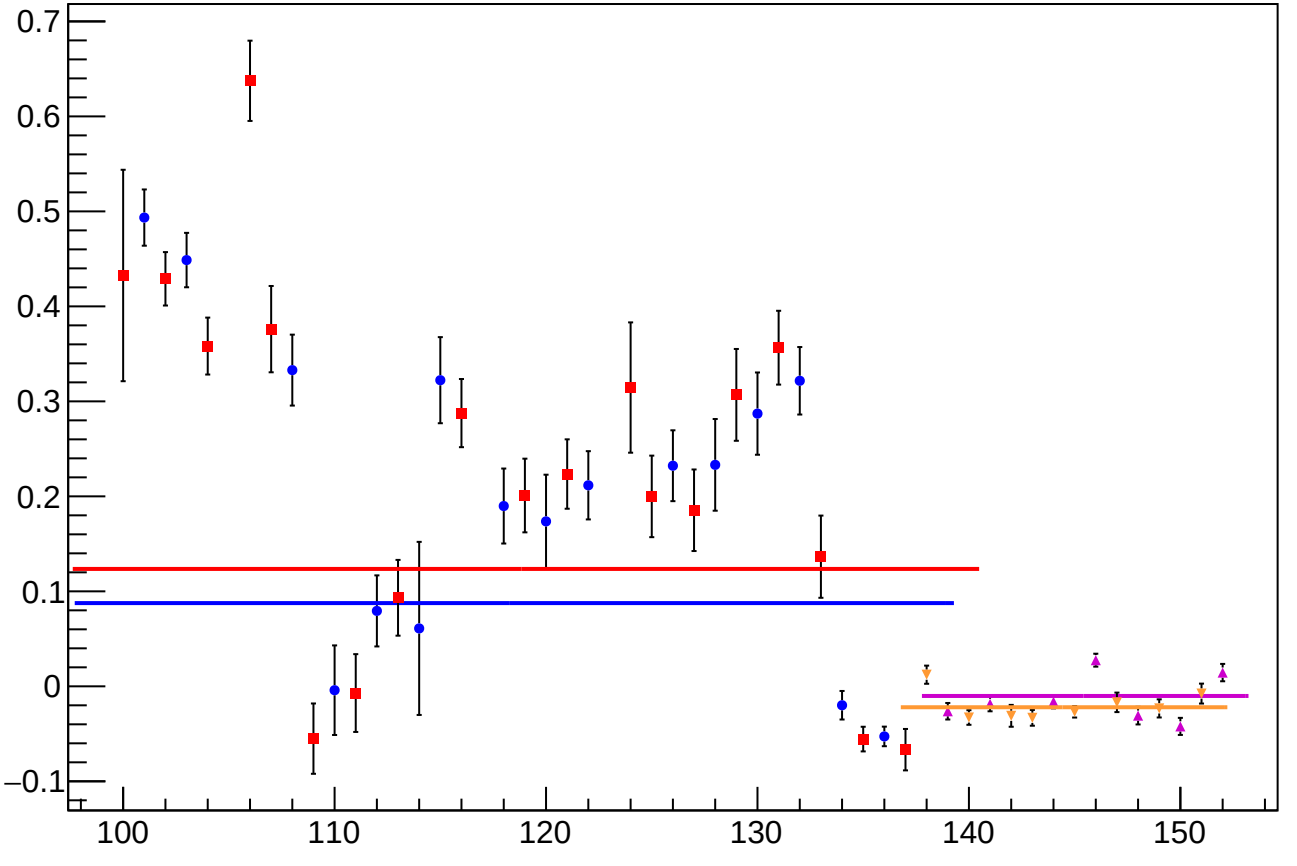
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -7.279+/-0.055 χ^2/NDF:1626.1/22

Out: -6.620+/-0.056 χ^2/NDF:1984.6/26

All: -6.956+/-0.039 χ^2/NDF: 3681.1/49

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: -0.010+/-0.003 χ^2/NDF:60.9/6

Left: -0.016+/-0.002 χ^2/NDF: 88.5/14

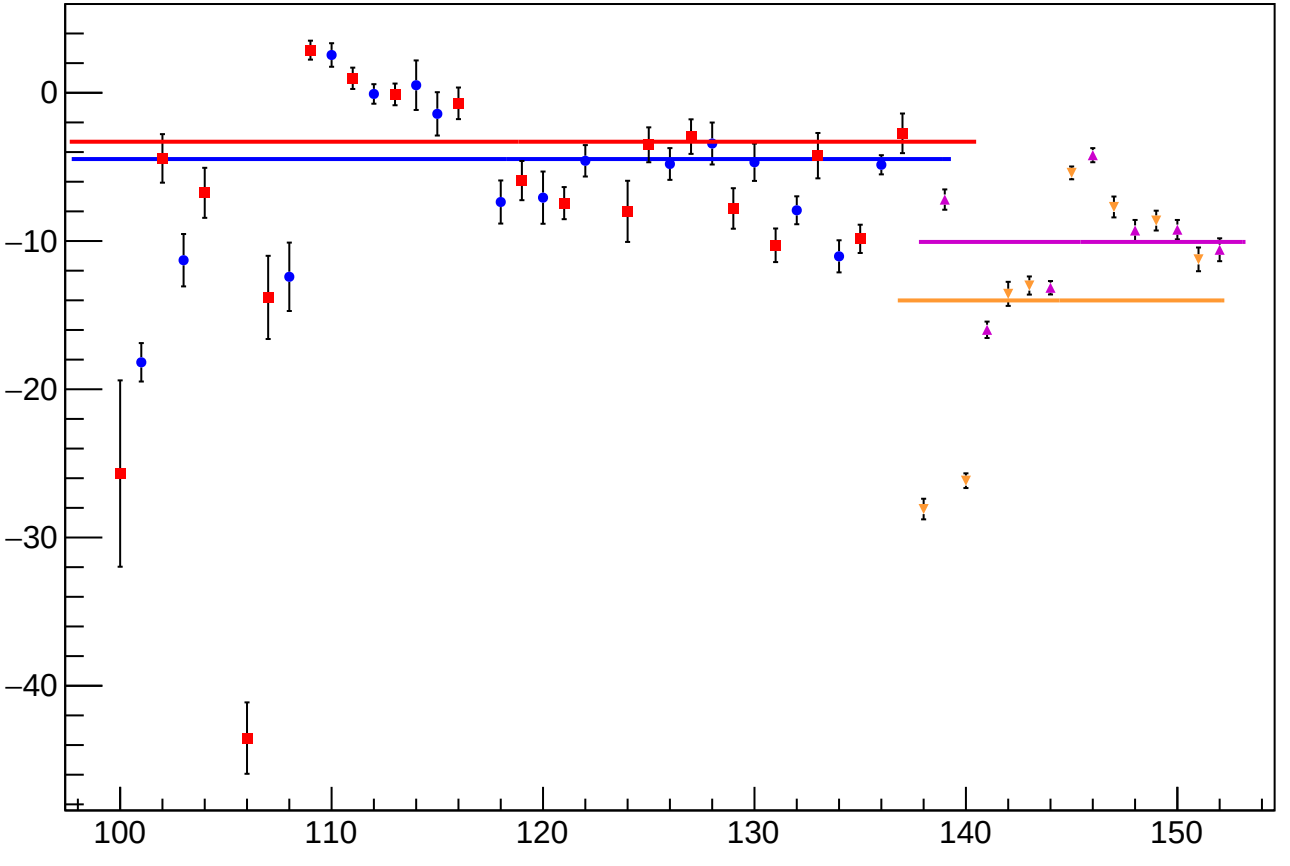
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.007+/-0.003 χ^2/NDF:1010.0/22

Out: -0.000+/-0.003 χ^2/NDF:1118.4/26

All: 0.003+/-0.002 χ^2/NDF: 2132.0/49

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: -10.061+/-0.220 χ^2/NDF:333.2/6

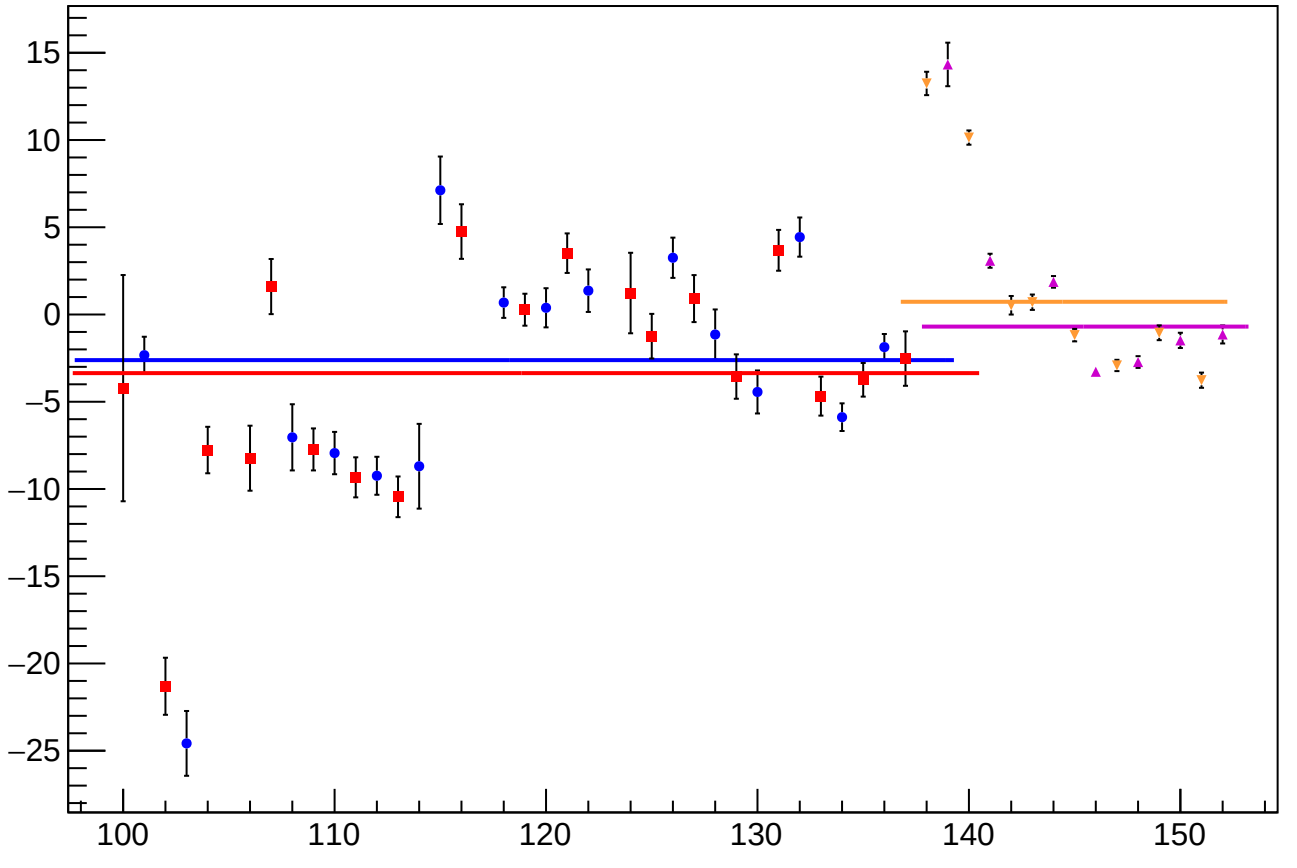
Left: -12.072+/-0.154 χ^2/NDF: 2063.3/14

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -7.817+/-0.170 χ^2/NDF:924.6/22

Out: -9.658+/-0.166 χ^2/NDF:3150.9/26

All: -8.758+/-0.119 χ^2/NDF: 4135.4/49



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: -0.693+/-0.147 χ^2/NDF:415.8/6

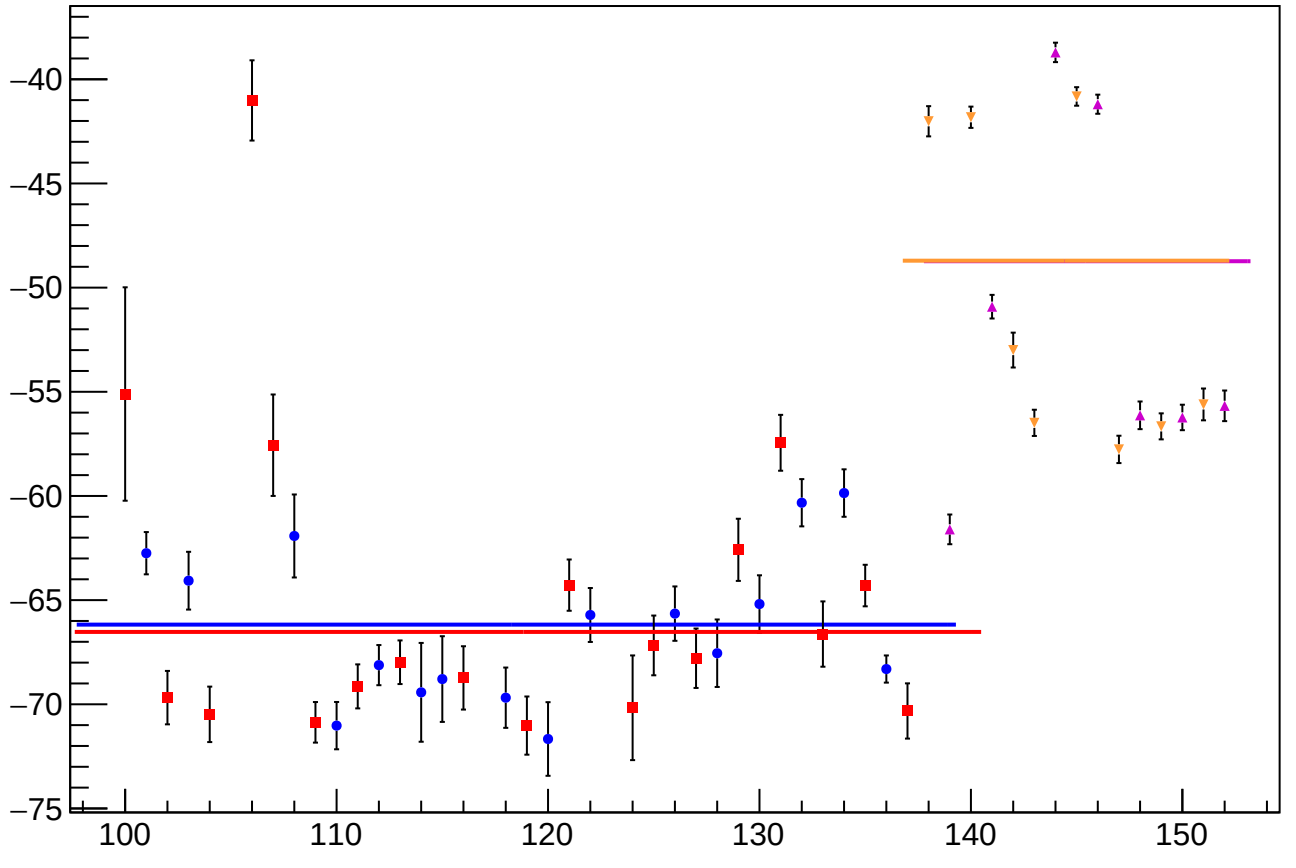
Left: 0.011+/-0.105 χ^2/NDF: 1619.4/14

Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -1.097+/-0.131 χ^2/NDF:803.5/22

Out: -0.085+/-0.133 χ^2/NDF:1667.1/26

All: -0.600+/-0.093 χ^2/NDF: 2499.9/49



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: -48.733+/-0.217 χ^2/NDF:1435.5/6

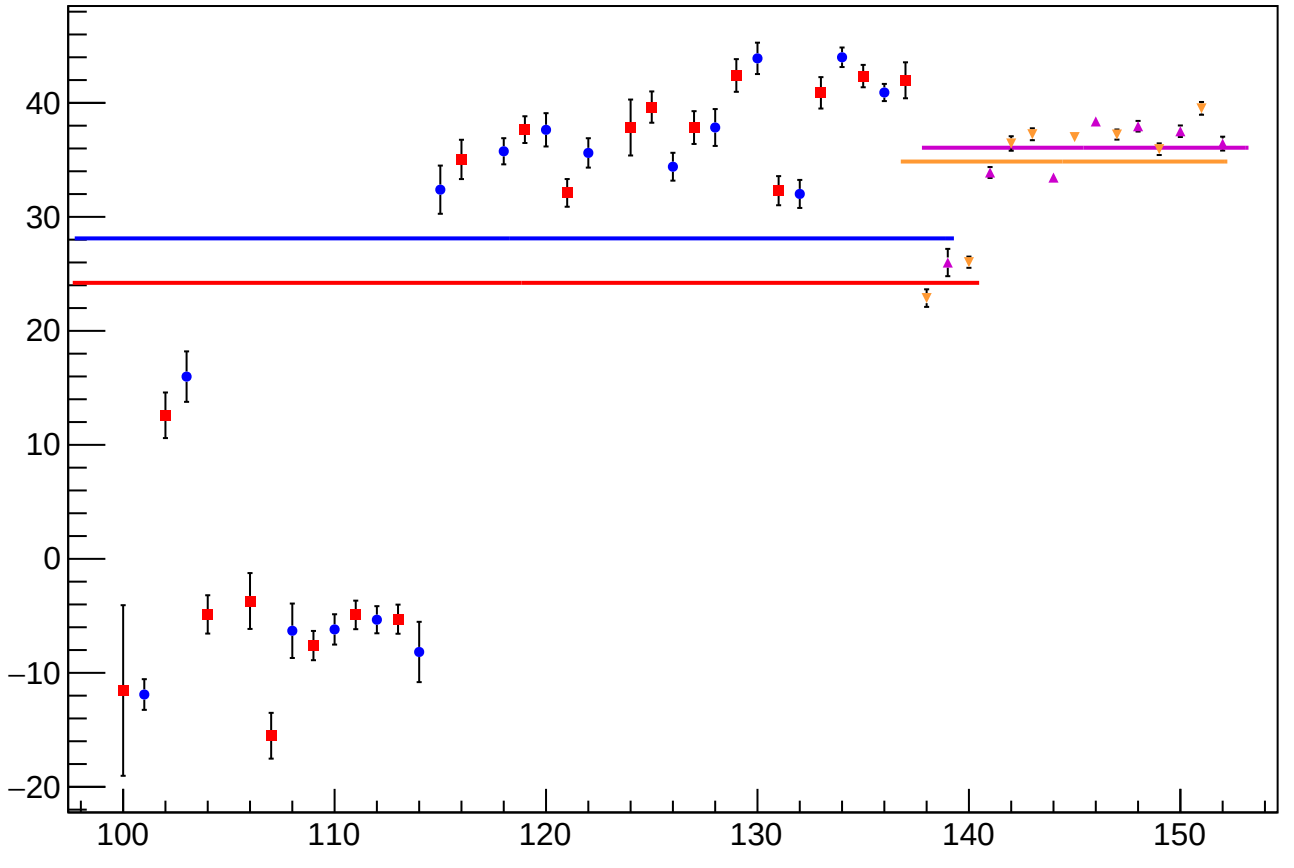
Left: -48.720+/-0.153 χ^2/NDF: 2630.3/14

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -54.616+/-0.177 χ^2/NDF:3742.1/22

Out: -54.484+/-0.178 χ^2/NDF:3714.3/26

All: -54.550+/-0.125 χ^2/NDF: 7456.6/49



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: 36.065+/-0.181 χ^2/NDF:203.0/6

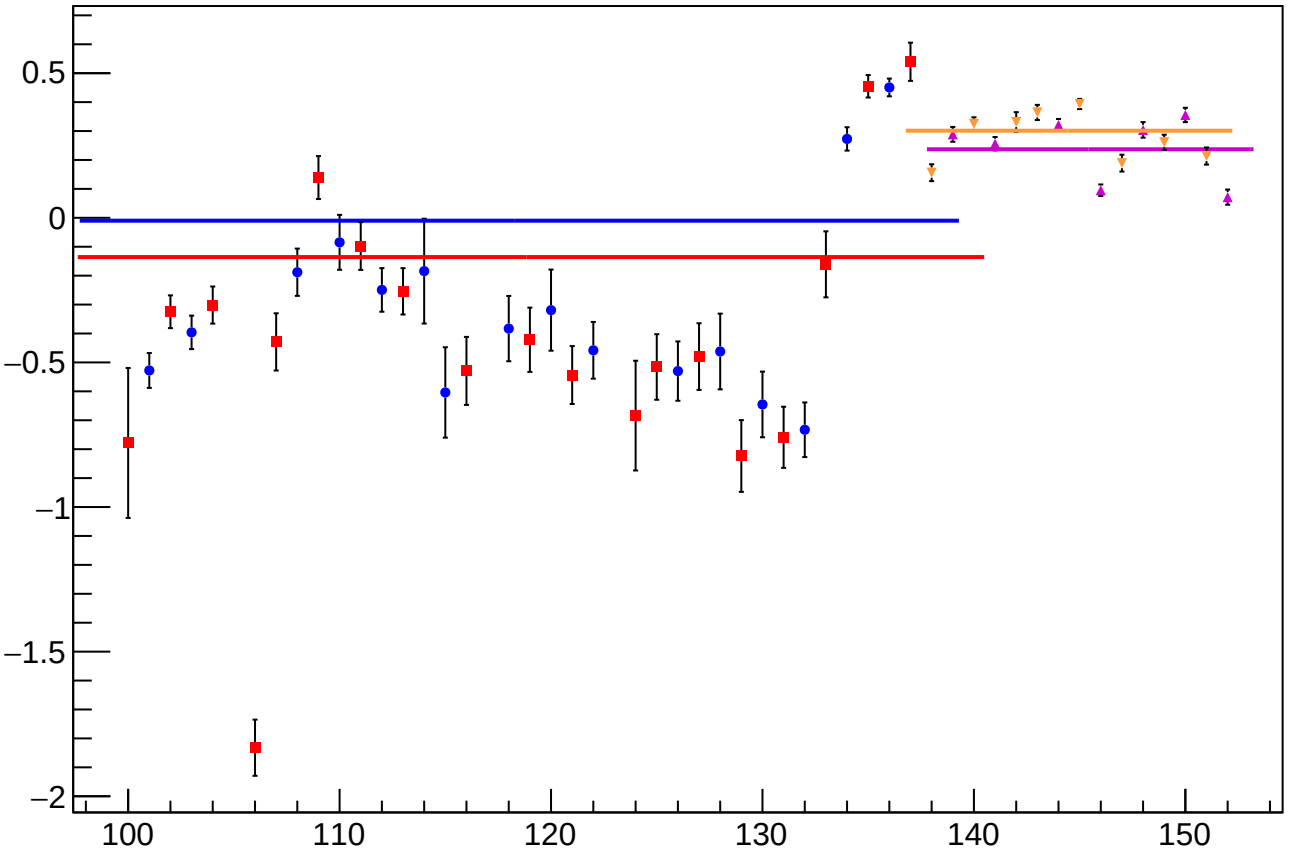
Left: 35.466+/-0.128 χ^2/NDF: 944.7/14

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 34.145+/-0.157 χ^2/NDF:4399.5/22

Out: 32.424+/-0.160 χ^2/NDF:5336.9/26

All: 33.302+/-0.112 χ^2/NDF: 9795.1/49



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: 0.237+/-0.009 χ^2/NDF:140.6/6

Left: 0.269+/-0.006 χ^2/NDF: 252.2/14

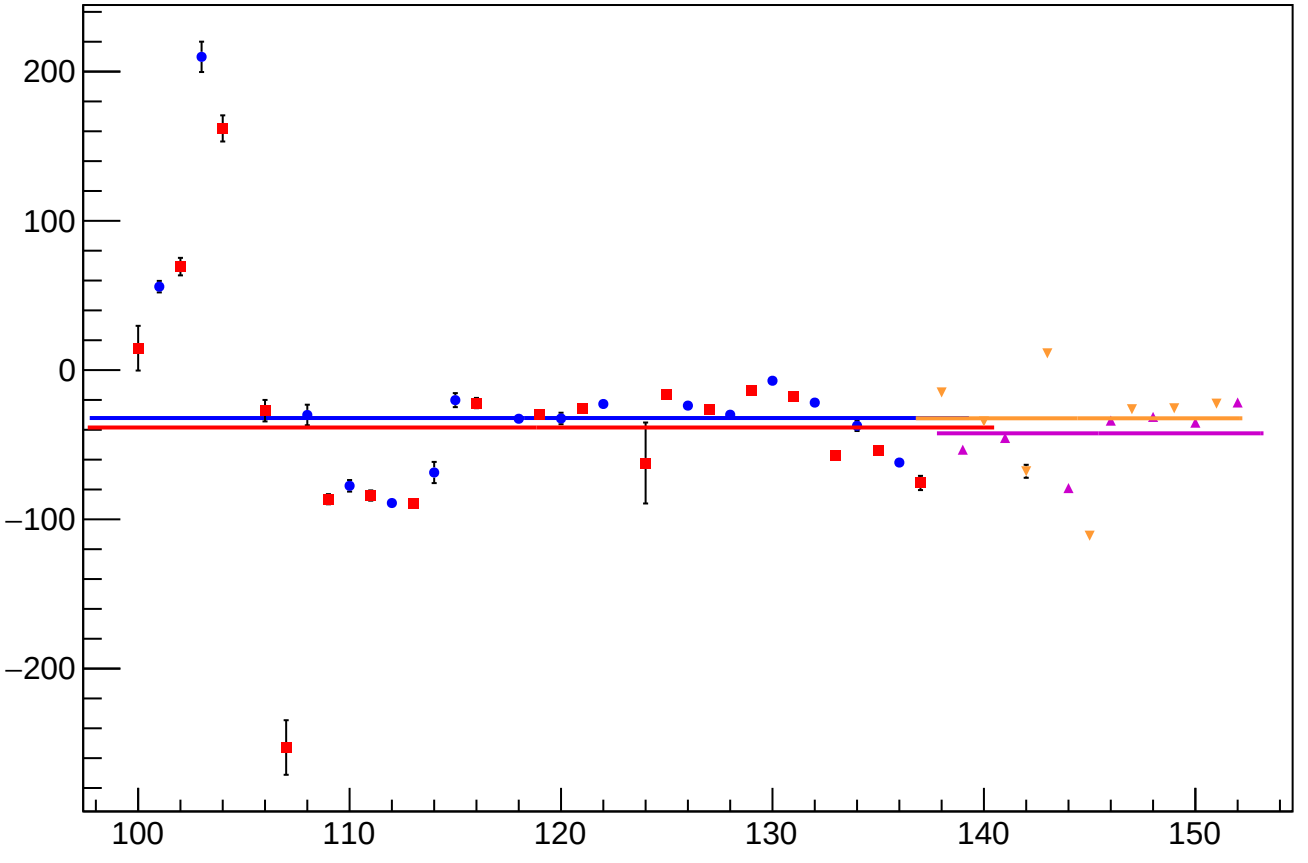
Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.186+/-0.008 χ^2/NDF:888.9/22

Out: 0.220+/-0.008 χ^2/NDF:1343.0/26

All: 0.203+/-0.006 χ^2/NDF: 2241.2/49

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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: -42.366+/-1.035 χ^2/NDF:253.6/6

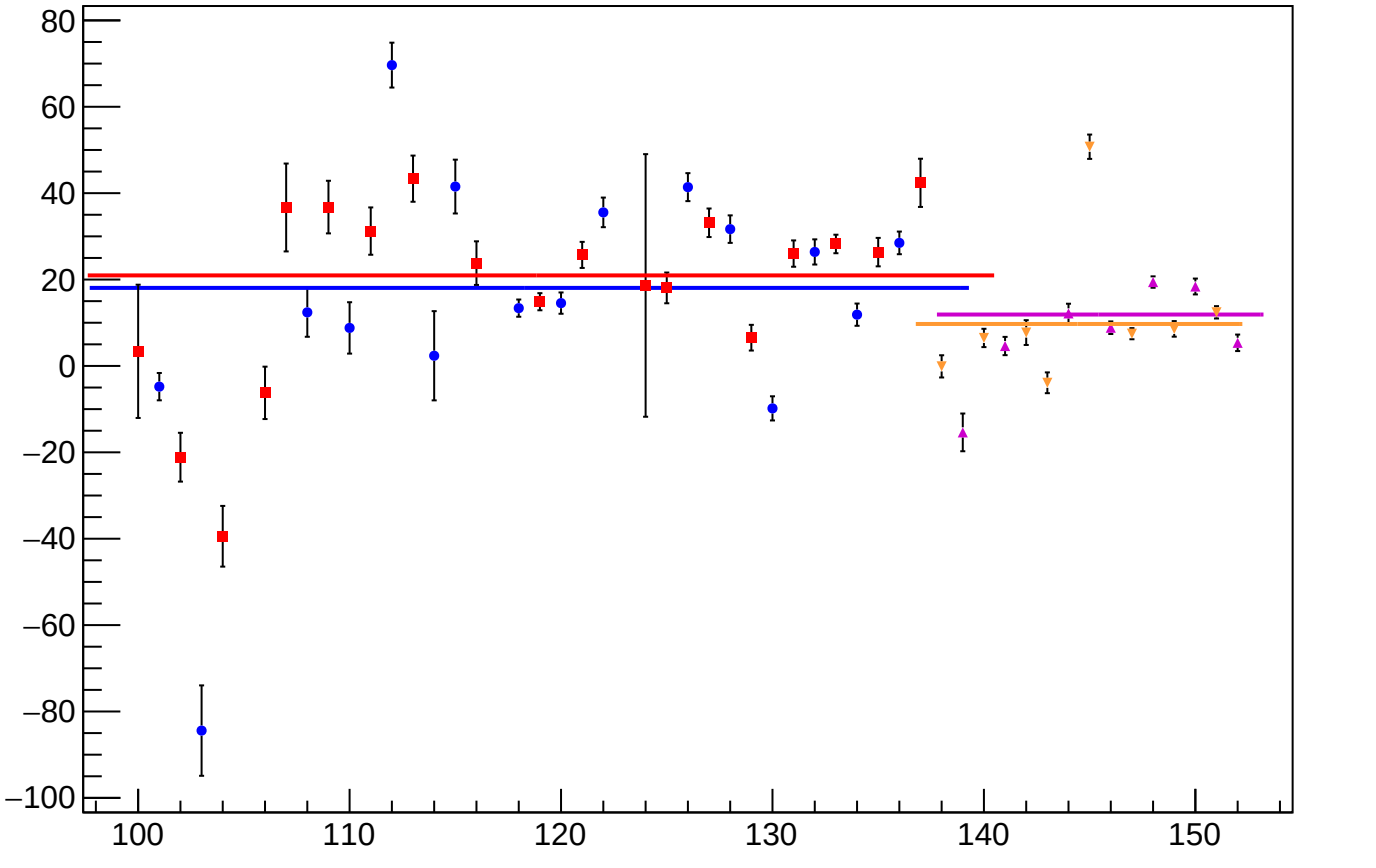
Left: -37.291+/-0.728 χ^2/NDF: 1215.5/14

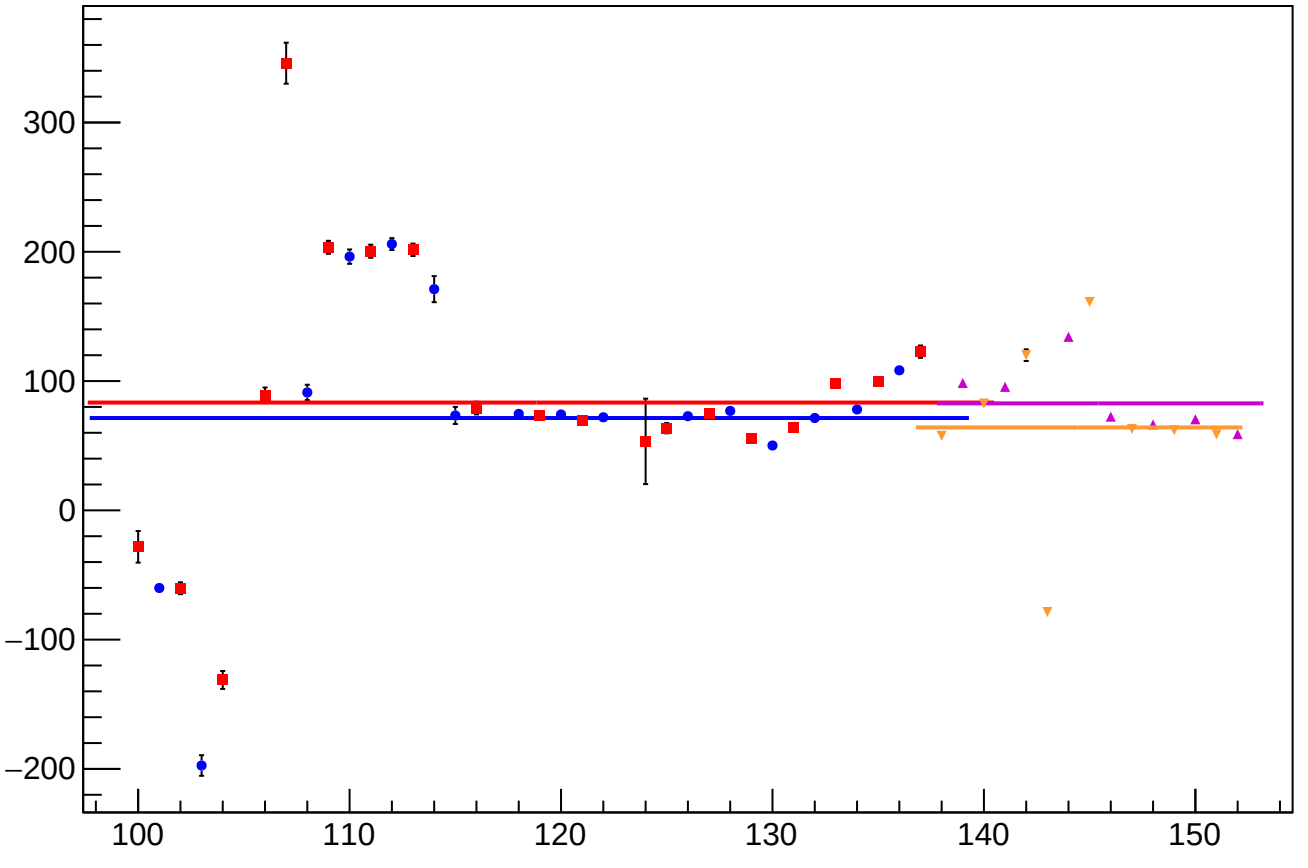
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -36.205+/-0.653 χ^2/NDF:2190.0/22

Out: -35.904+/-0.661 χ^2/NDF:2907.8/26

All: -36.056+/-0.465 χ^2/NDF: 5097.9/49


reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: 18.068+/-0.823 χ²/NDF: 499.6/15
Left Out: 9.715+/-0.676 χ²/NDF:268.7/7
Right Out: 20.959+/-0.868 χ²/NDF: 262.6/18
Left In: 11.902+/-0.691 χ²/NDF:112.0/6
Left: 10.783+/-0.483 χ²/NDF: 385.9/14
Right: 19.435+/-0.597 χ²/NDF: 768.0/34
In: 14.455+/-0.529 χ²/NDF:644.5/22
Out: 13.955+/-0.533 χ²/NDF:635.8/26
All: 14.207+/-0.376 χ²/NDF: 1280.8/49



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: 82.761+/-1.014 χ^2/NDF:485.3/6

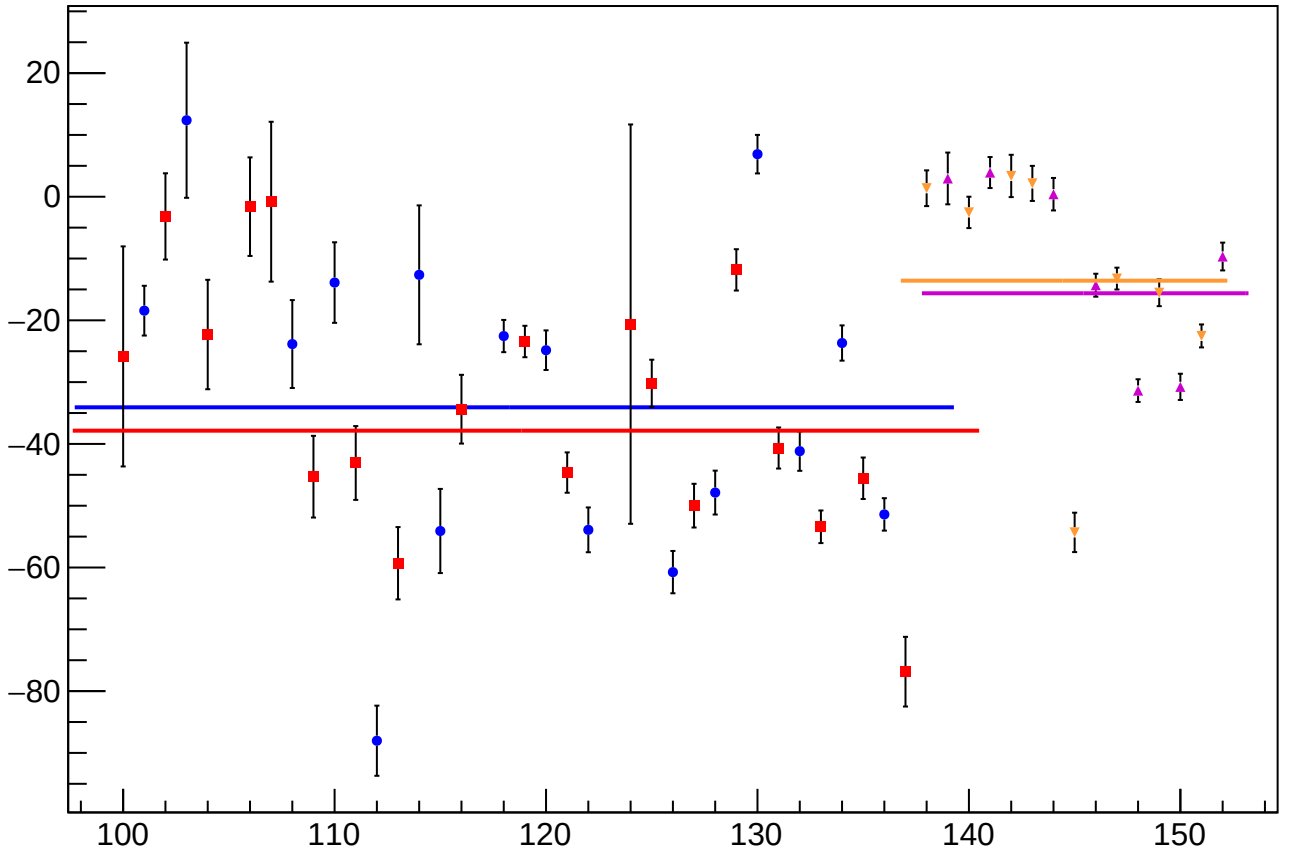
Left: 73.464+/-0.718 χ^2/NDF: 3529.6/14

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 76.607+/-0.686 χ^2/NDF:5372.7/22

Out: 74.058+/-0.707 χ^2/NDF:7358.3/26

All: 75.371+/-0.492 χ^2/NDF: 12737.7/49



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: -15.624+/-0.855 χ^2/NDF:249.6/6

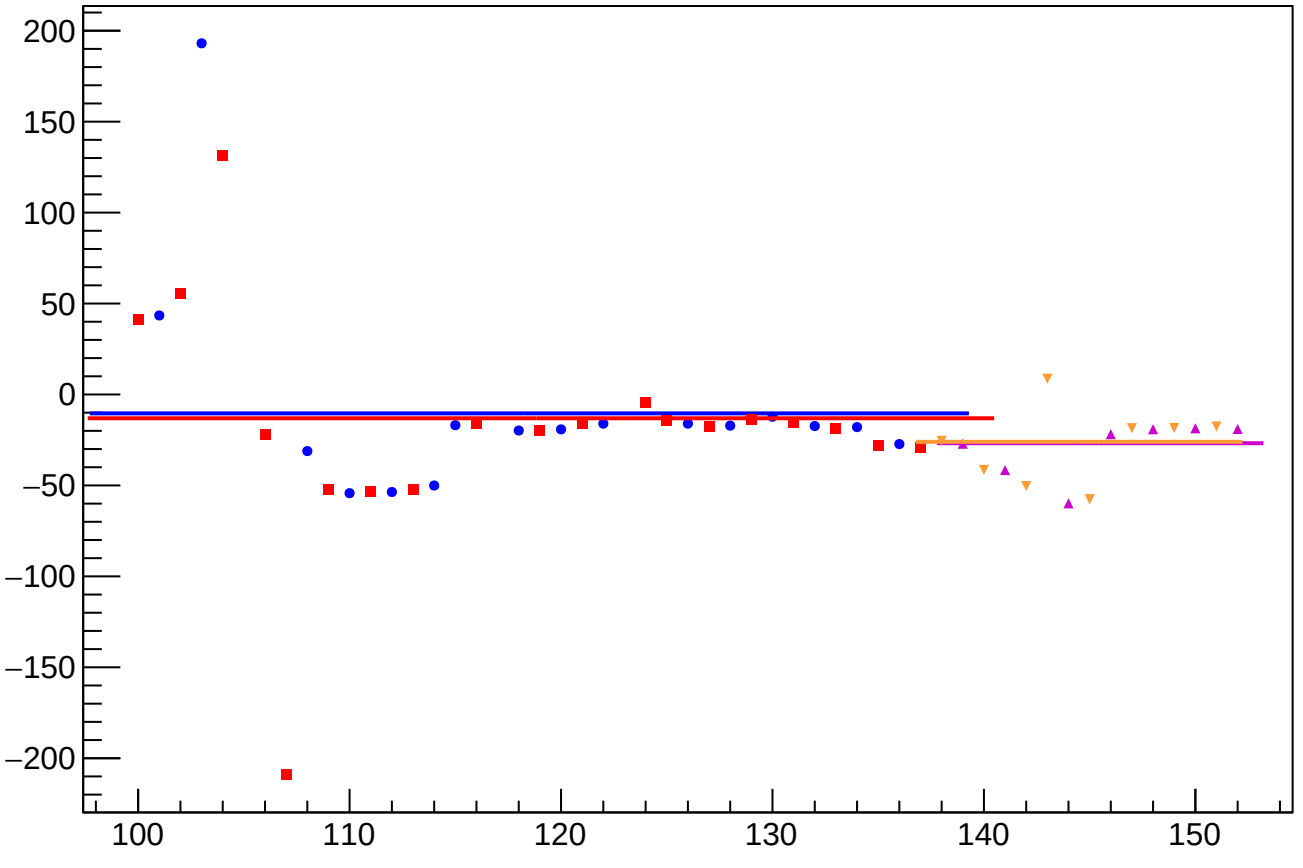
Left: -14.590+/-0.601 χ^2/NDF: 540.8/14

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -23.957+/-0.633 χ^2/NDF:971.2/22

Out: -23.750+/-0.643 χ^2/NDF:909.6/26

All: -23.855+/-0.451 χ^2/NDF: 1880.8/49



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: -26.796+/-0.040 χ^2/NDF:90929.3/6

Left: -26.426+/-0.029 χ^2/NDF: 263424.8/14

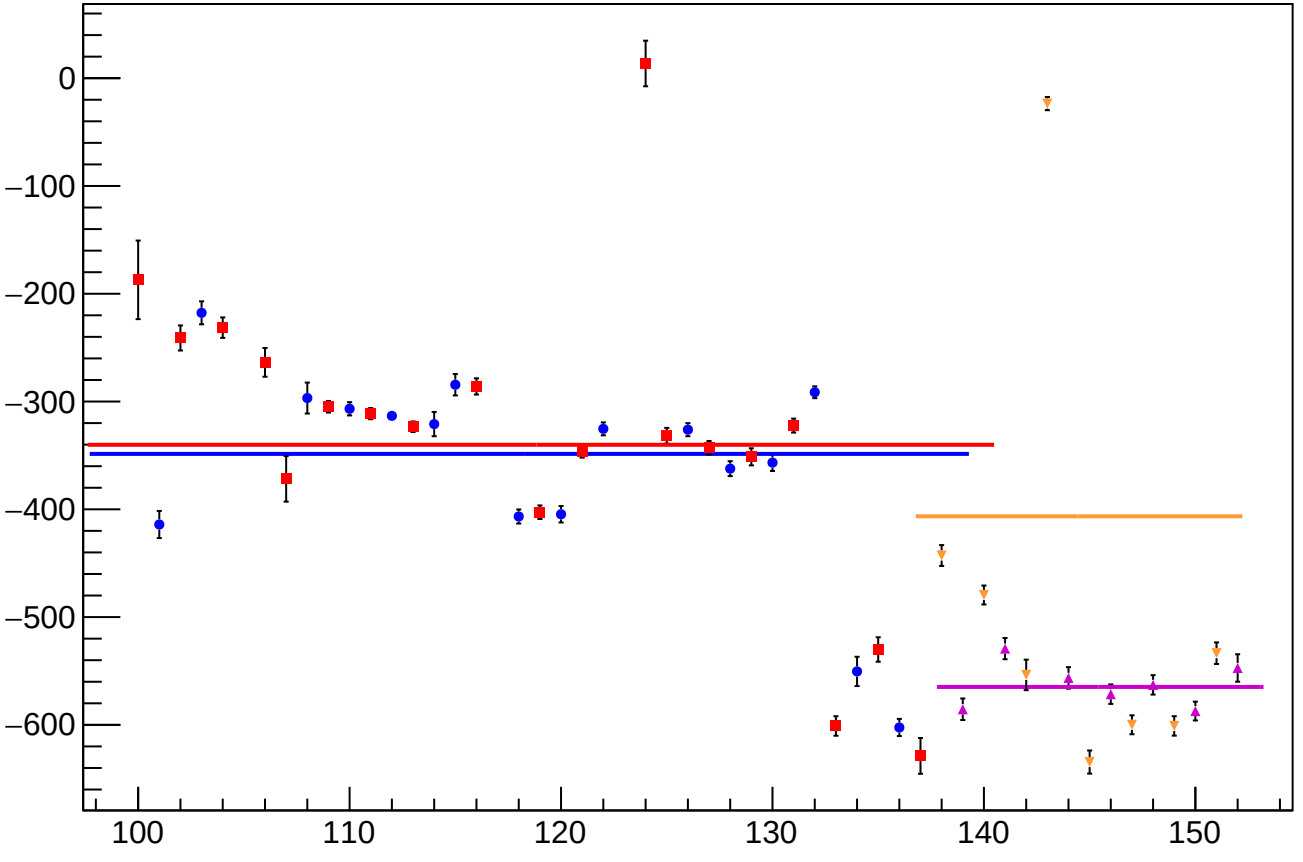
Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -21.338+/-0.033 χ^2/NDF:668809.5/22

Out: -22.008+/-0.035 χ^2/NDF:651433.1/26

All: -21.652+/-0.024 χ^2/NDF: 1320439.1/49

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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: -564.805+/-3.674 χ^2/NDF:27.1/6

Left: -474.159+/-2.402 χ^2/NDF: 6758.1/14

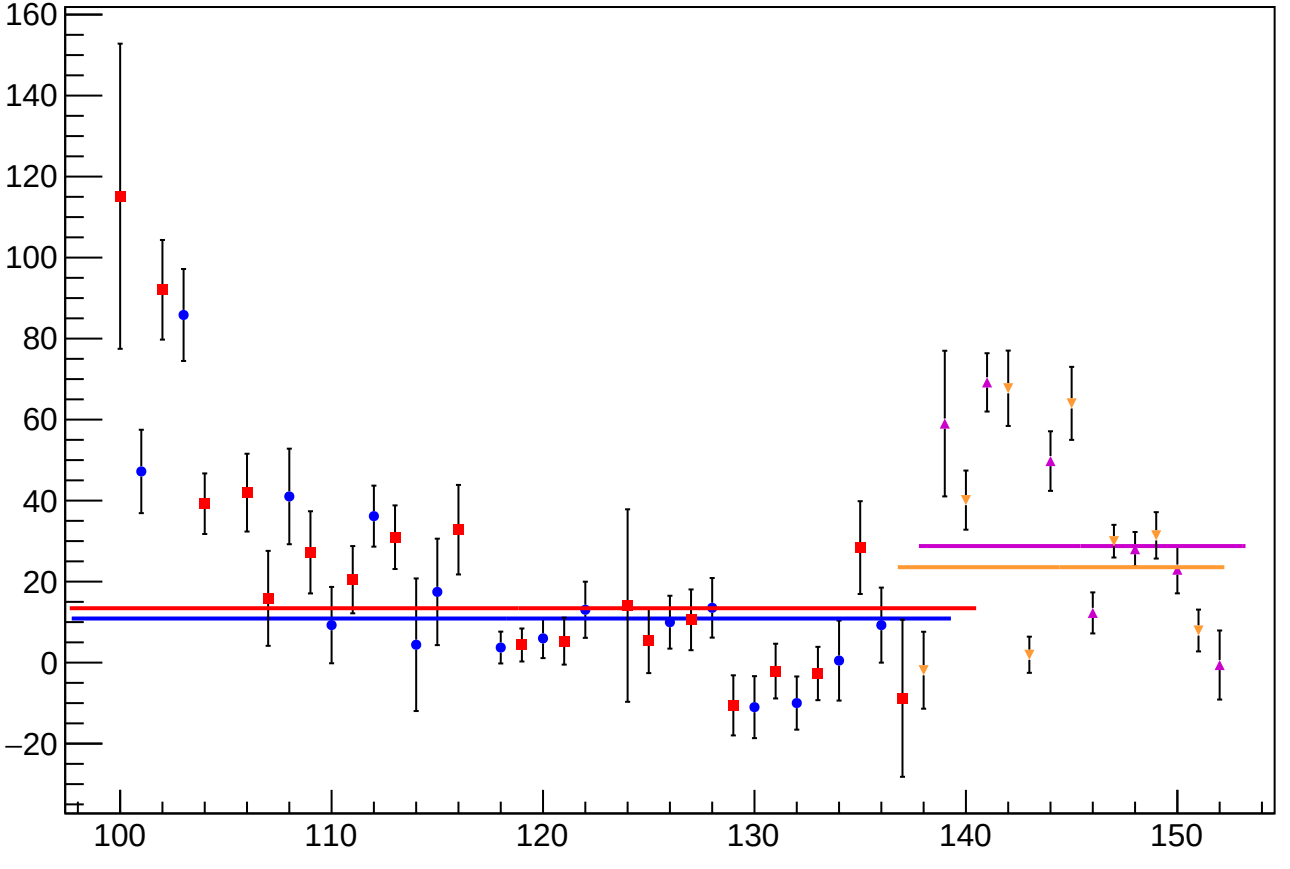
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -391.369+/-1.634 χ^2/NDF:4663.8/22

Out: -355.732+/-1.539 χ^2/NDF:8198.9/26

All: -372.481+/-1.120 χ^2/NDF: 13114.7/49

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 28.777+/-2.368 χ^2/NDF:66.0/6

Left: 25.820+/-1.559 χ^2/NDF: 160.8/14

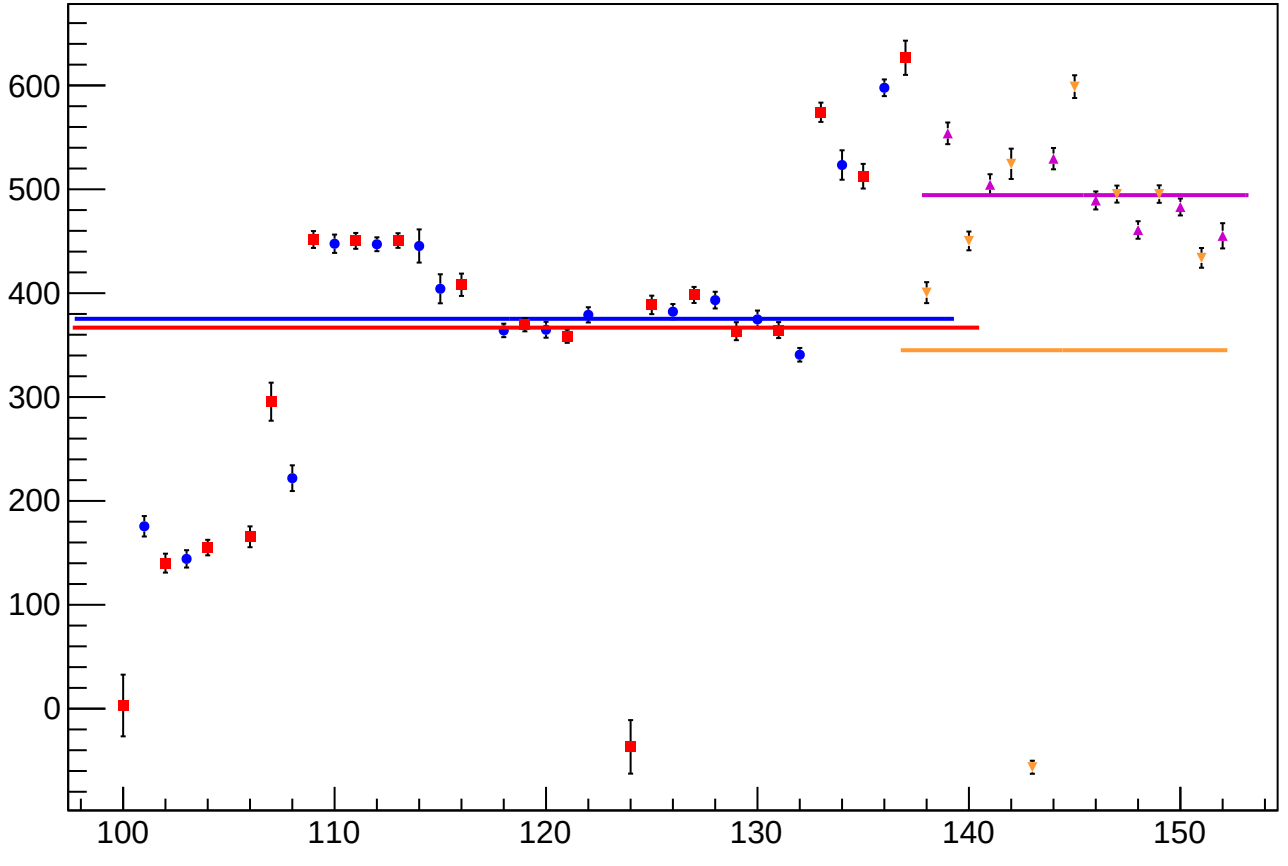
Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 17.635+/-1.454 χ^2/NDF:199.8/22

Out: 17.938+/-1.381 χ^2/NDF:217.7/26

All: 17.794+/-1.002 χ^2/NDF: 417.5/49

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 494.387+/-3.589 χ^2/NDF:73.7/6

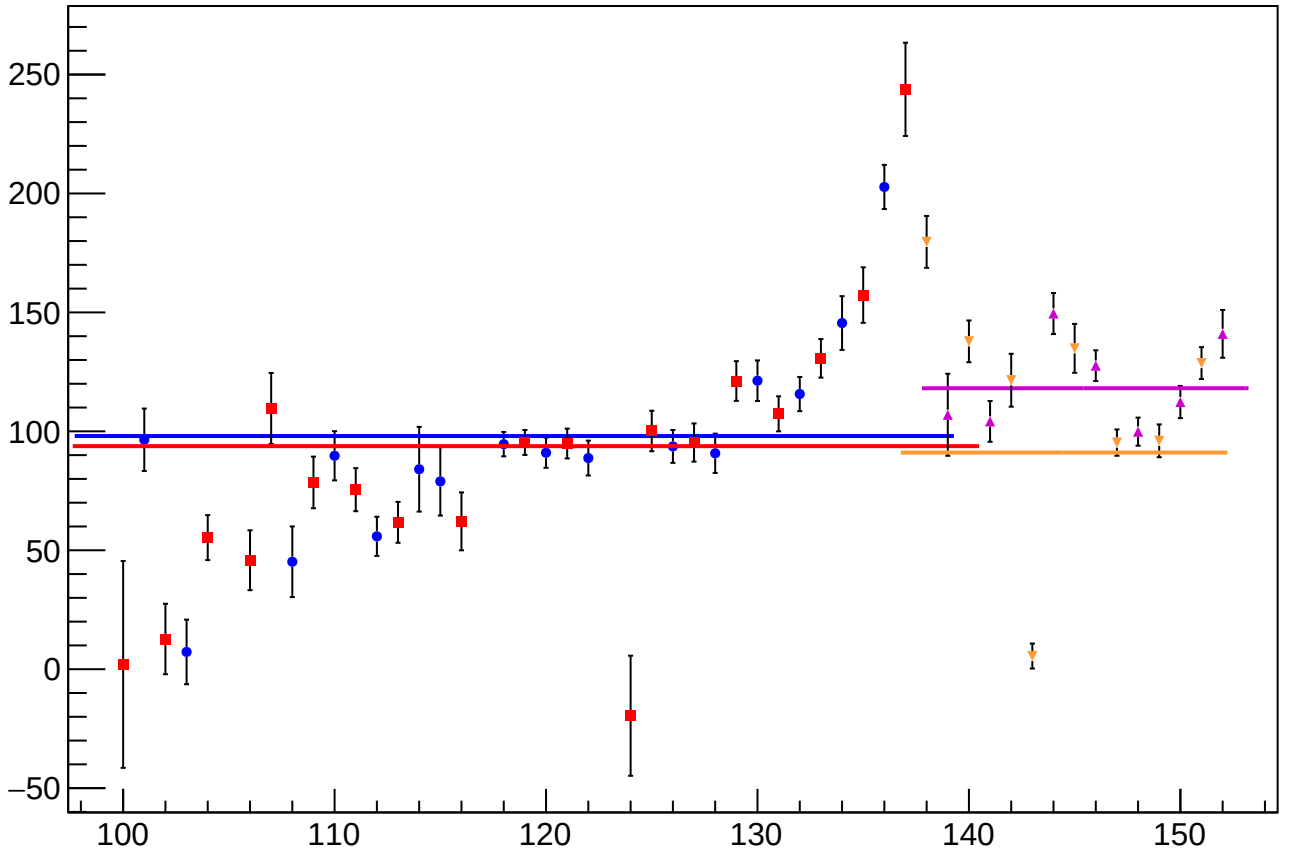
Left: 410.203+/-2.370 χ^2/NDF: 6710.0/14

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 405.743+/-1.814 χ^2/NDF:3342.4/22

Out: 360.382+/-1.719 χ^2/NDF:9235.3/26

All: 381.839+/-1.248 χ^2/NDF: 12907.0/49



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: 118.108+/-2.951 χ^2/NDF:33.9/6

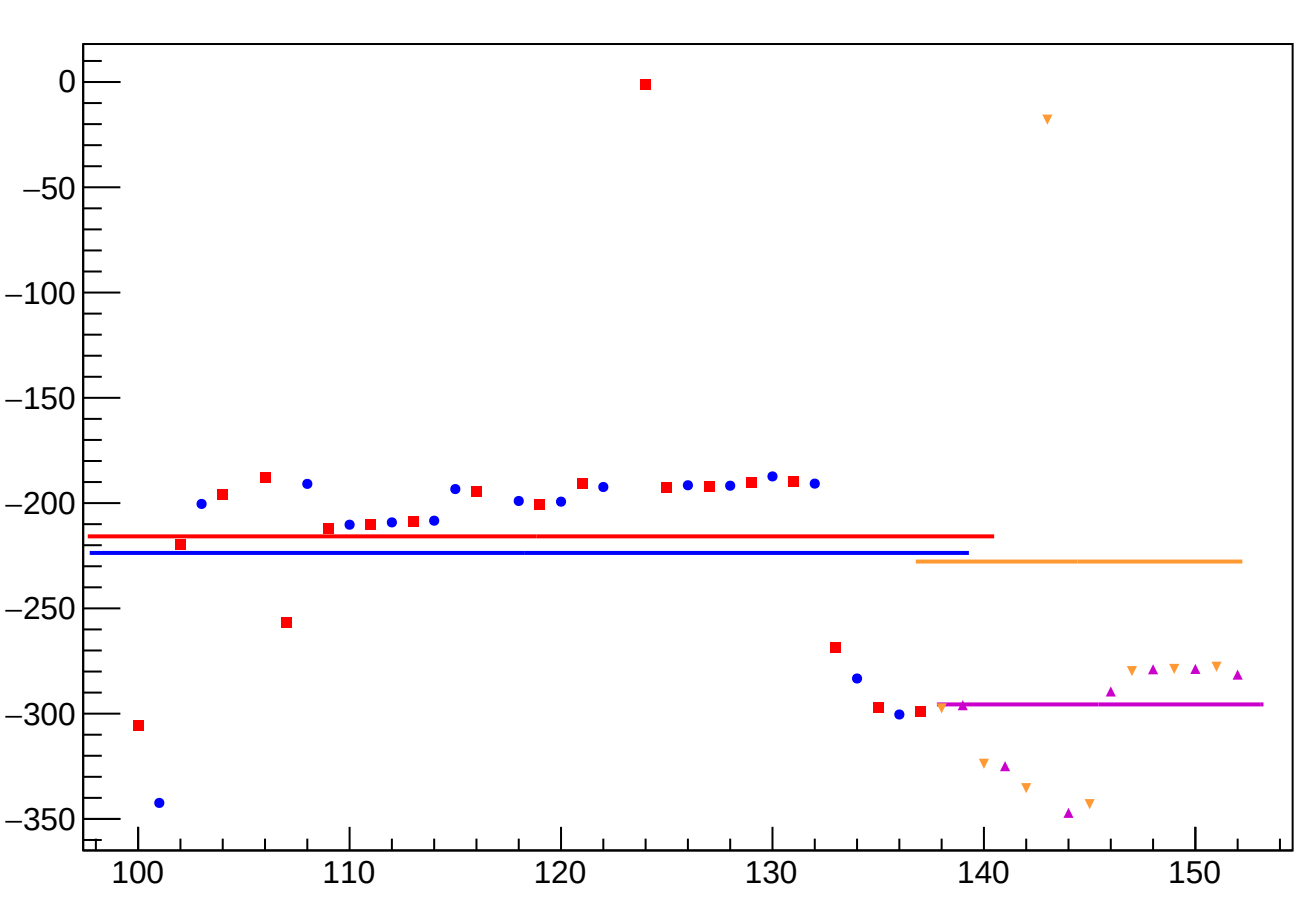
Left: 102.761+/-1.940 χ^2/NDF: 498.3/14

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 104.961+/-1.735 χ^2/NDF:313.7/22

Out: 92.675+/-1.645 χ^2/NDF:654.5/26

All: 98.492+/-1.194 χ^2/NDF: 994.7/49



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: -295.613+/-0.144 χ^2/NDF:23814.4/6

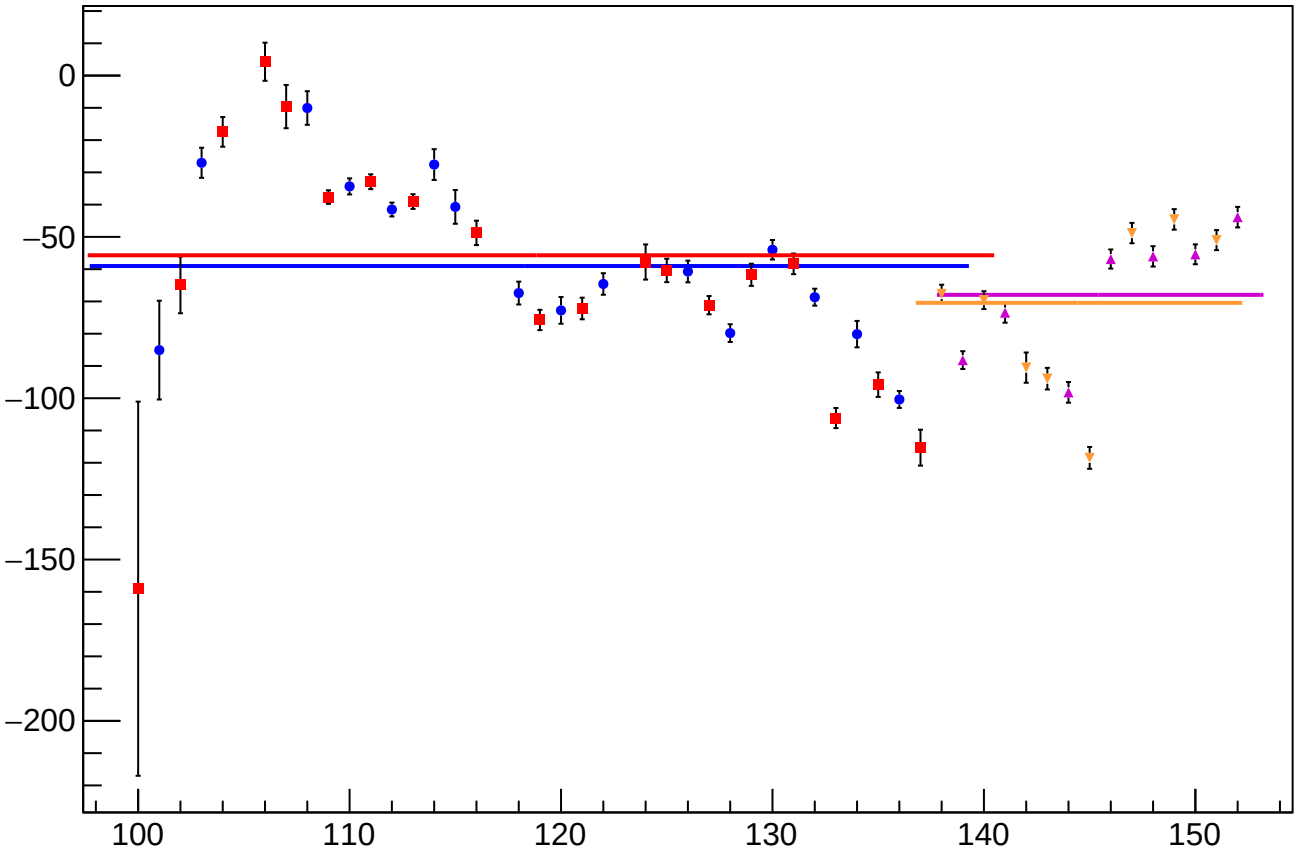
Left: -258.613+/-0.097 χ^2/NDF: 1036625.6/14

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -258.073+/-0.100 χ^2/NDF:274791.2/22

Out: -221.885+/-0.094 χ^2/NDF:978036.6/26

All: -238.901+/-0.068 χ^2/NDF: 1322357.5/49



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -70.436+/-1.133 χ^2/NDF:421.9/7

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -67.958+/-1.155 χ^2/NDF:247.9/6

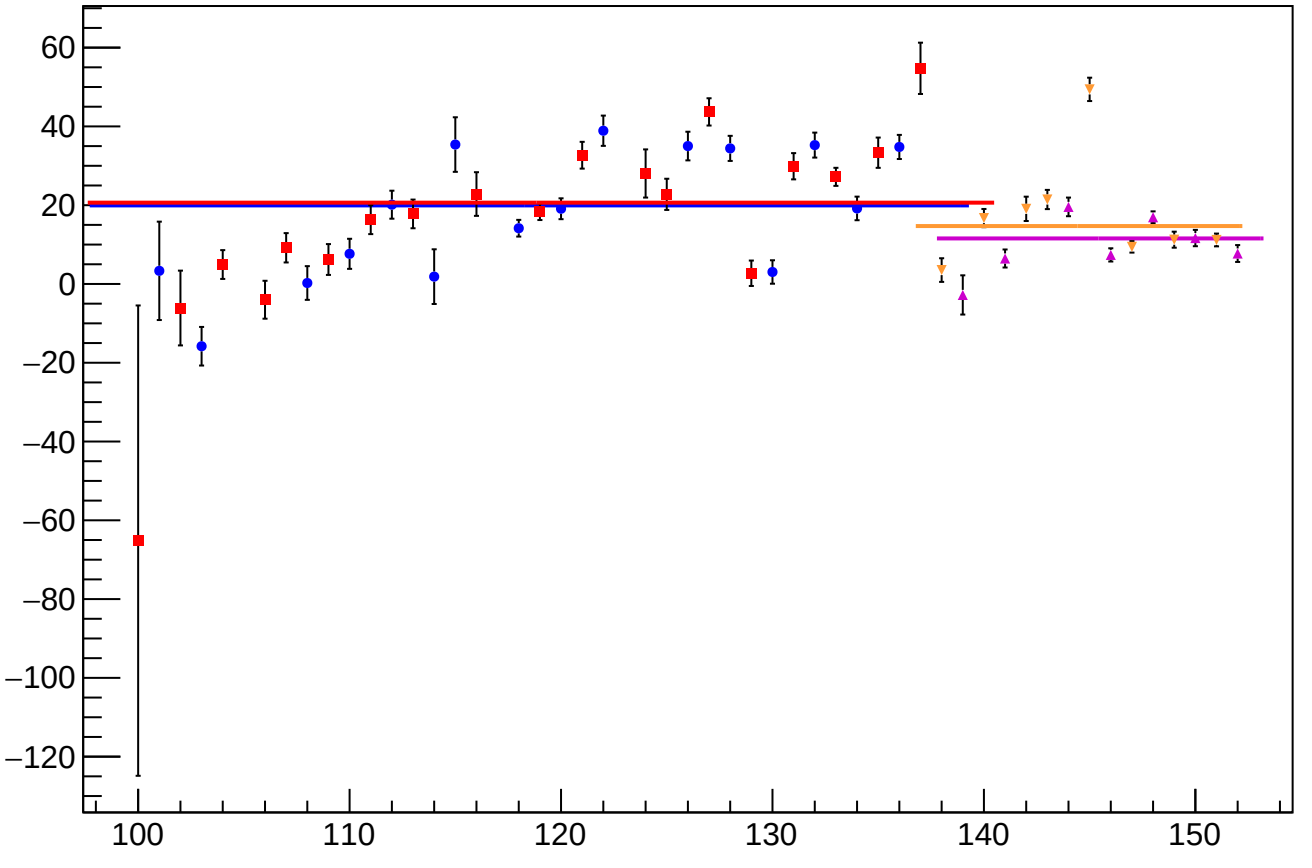
Left: -69.220+/-0.809 χ^2/NDF: 672.1/14

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -62.067+/-0.674 χ^2/NDF:1014.6/22

Out: -60.522+/-0.648 χ^2/NDF:1576.8/26

All: -61.265+/-0.467 χ^2/NDF: 2594.2/49



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: 11.558+/-0.775 χ^2/NDF:47.1/6

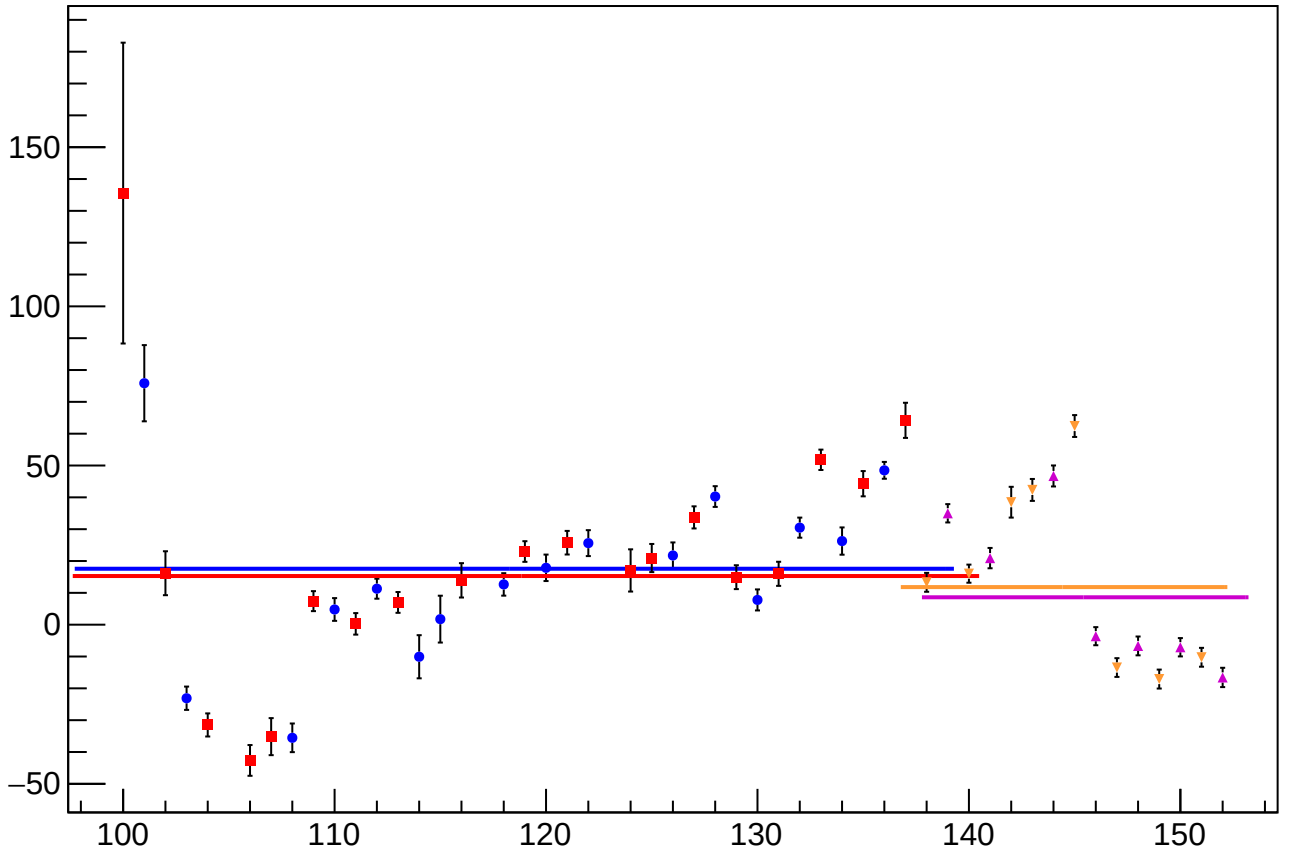
Left: 13.182+/-0.539 χ^2/NDF: 237.7/14

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 15.282+/-0.578 χ^2/NDF:346.3/22

Out: 17.322+/-0.560 χ^2/NDF:434.6/26

All: 16.334+/-0.402 χ^2/NDF: 787.3/49



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: 8.605+/-1.134 χ^2/NDF:376.2/6

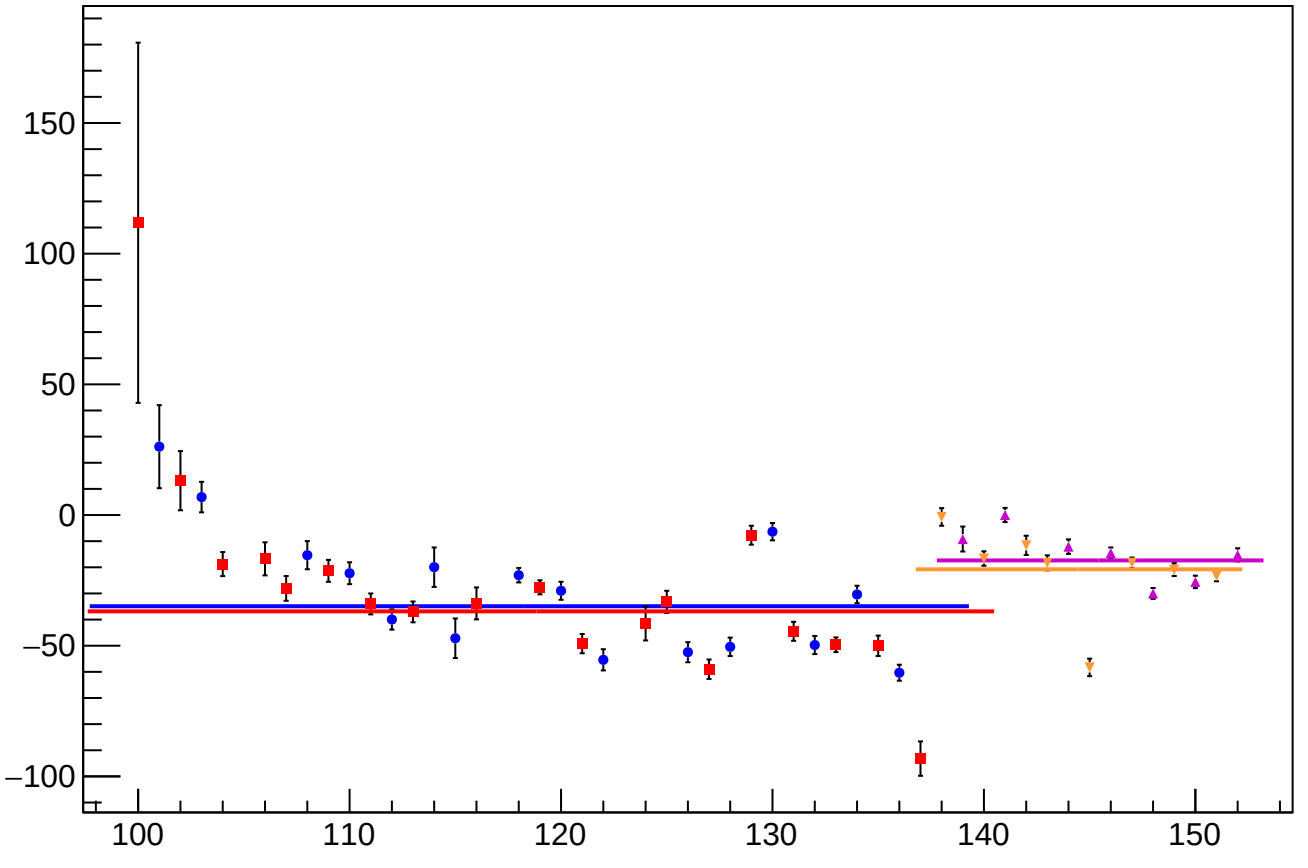
Left: 10.220+/-0.798 χ^2/NDF: 932.0/14

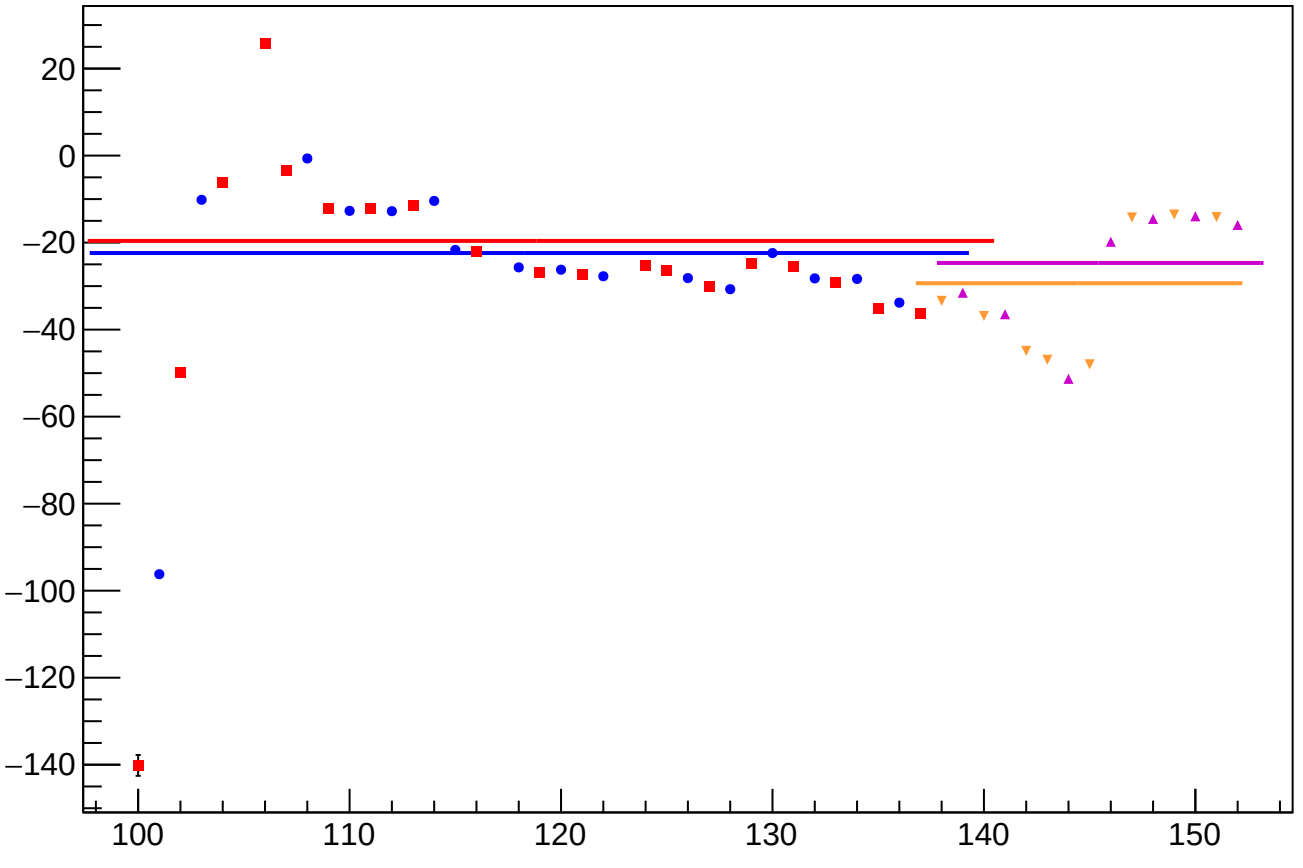
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 13.844+/-0.731 χ^2/NDF:958.9/22

Out: 13.864+/-0.718 χ^2/NDF:1287.5/26

All: 13.854+/-0.512 χ^2/NDF: 2246.4/49


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: -17.366+/-0.956 χ²/NDF:98.9/6
Left: -19.108+/-0.668 χ²/NDF: 278.0/14
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -25.827+/-0.688 χ²/NDF:607.7/22
Out: -28.511+/-0.673 χ²/NDF:616.9/26
All: -27.200+/-0.481 χ²/NDF: 1232.3/49



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: -24.674+/-0.045 χ^2/NDF:68850.1/6

Left: -26.927+/-0.032 χ^2/NDF: 165917.4/14

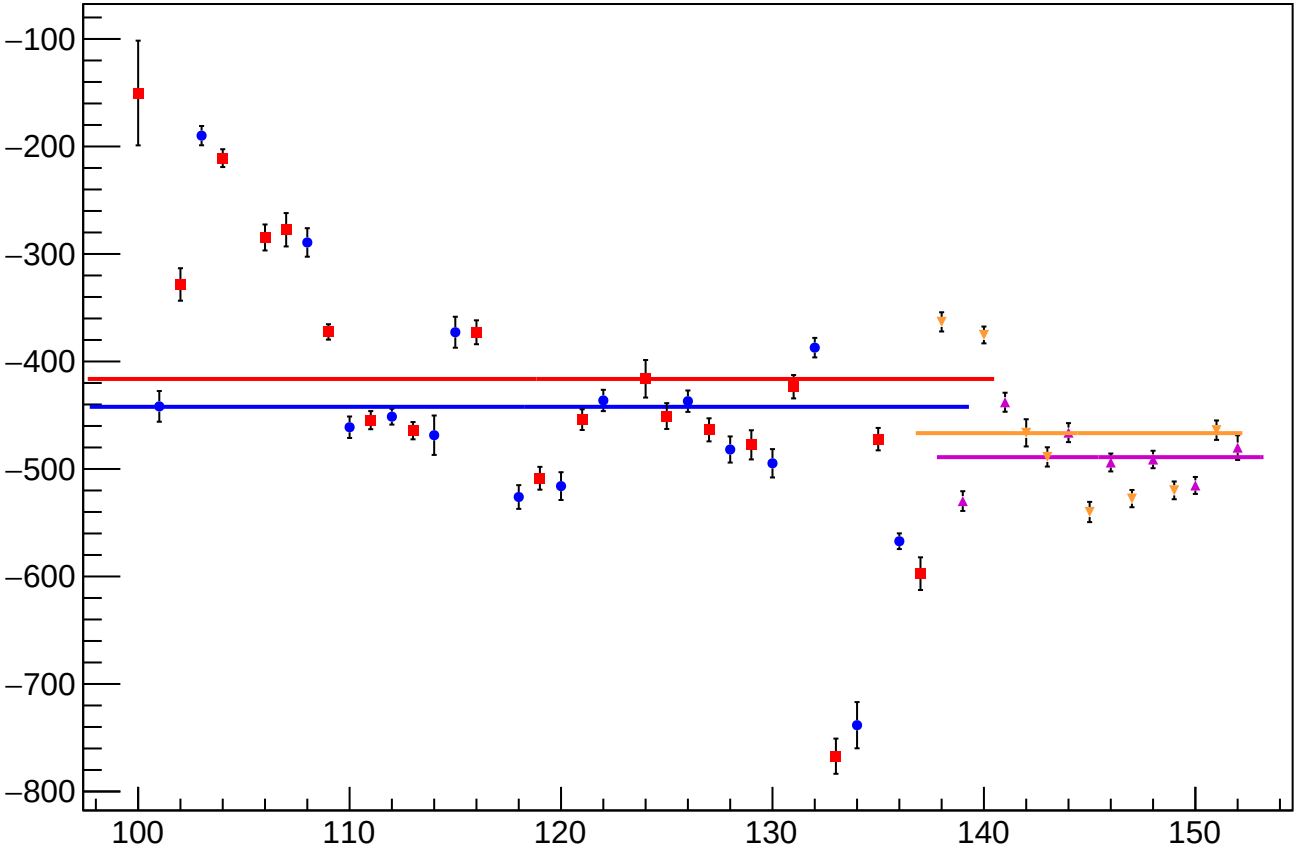
Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -23.824+/-0.036 χ^2/NDF:116329.2/22

Out: -25.646+/-0.037 χ^2/NDF:192363.6/26

All: -24.710+/-0.026 χ^2/NDF: 309967.4/49

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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: -488.996+/-3.319 χ^2/NDF:71.9/6

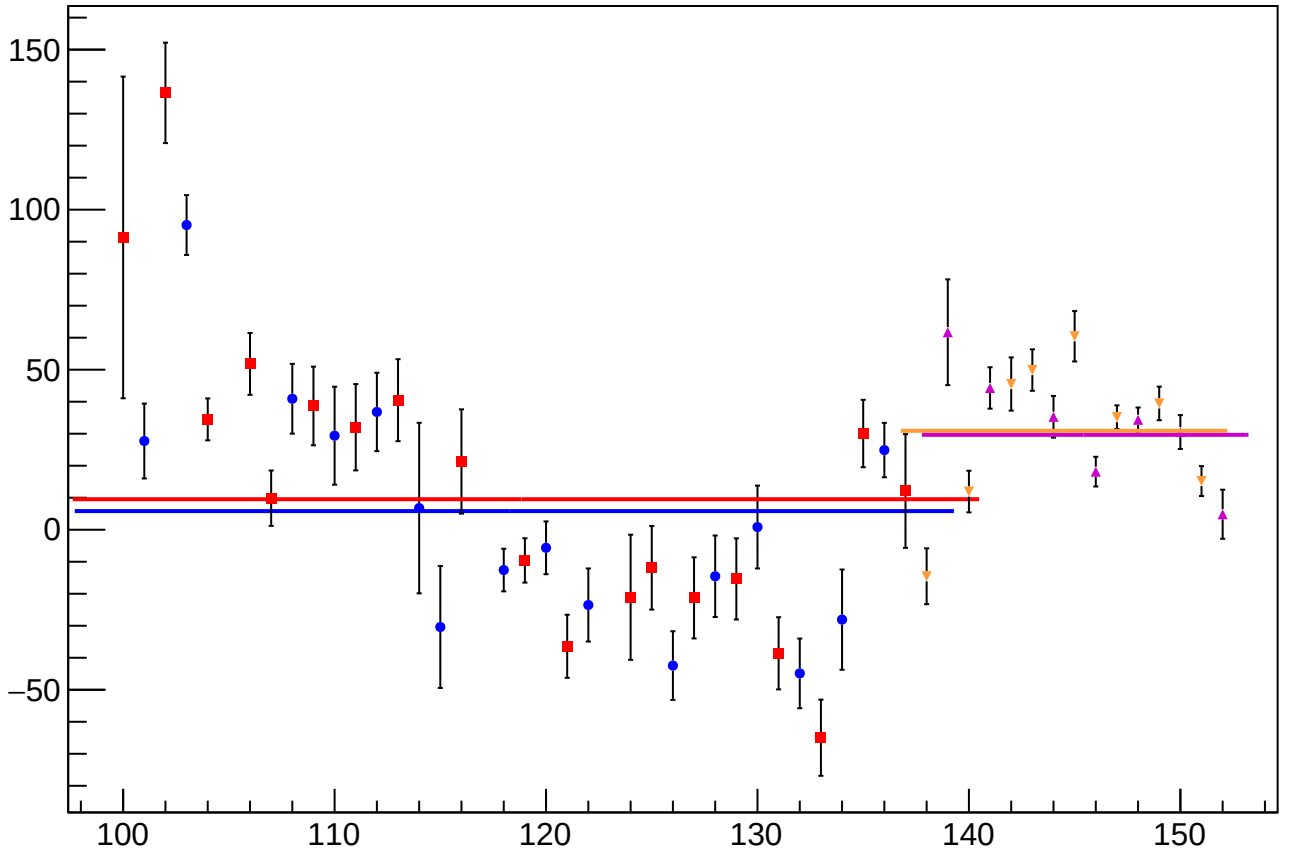
Left: -477.226+/-2.282 χ^2/NDF: 532.2/14

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -460.670+/-2.086 χ^2/NDF:1781.4/22

Out: -436.009+/-1.967 χ^2/NDF:2346.8/26

All: -447.618+/-1.431 χ^2/NDF: 4202.1/49



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: 29.649+/-2.137 χ^2/NDF:27.8/6

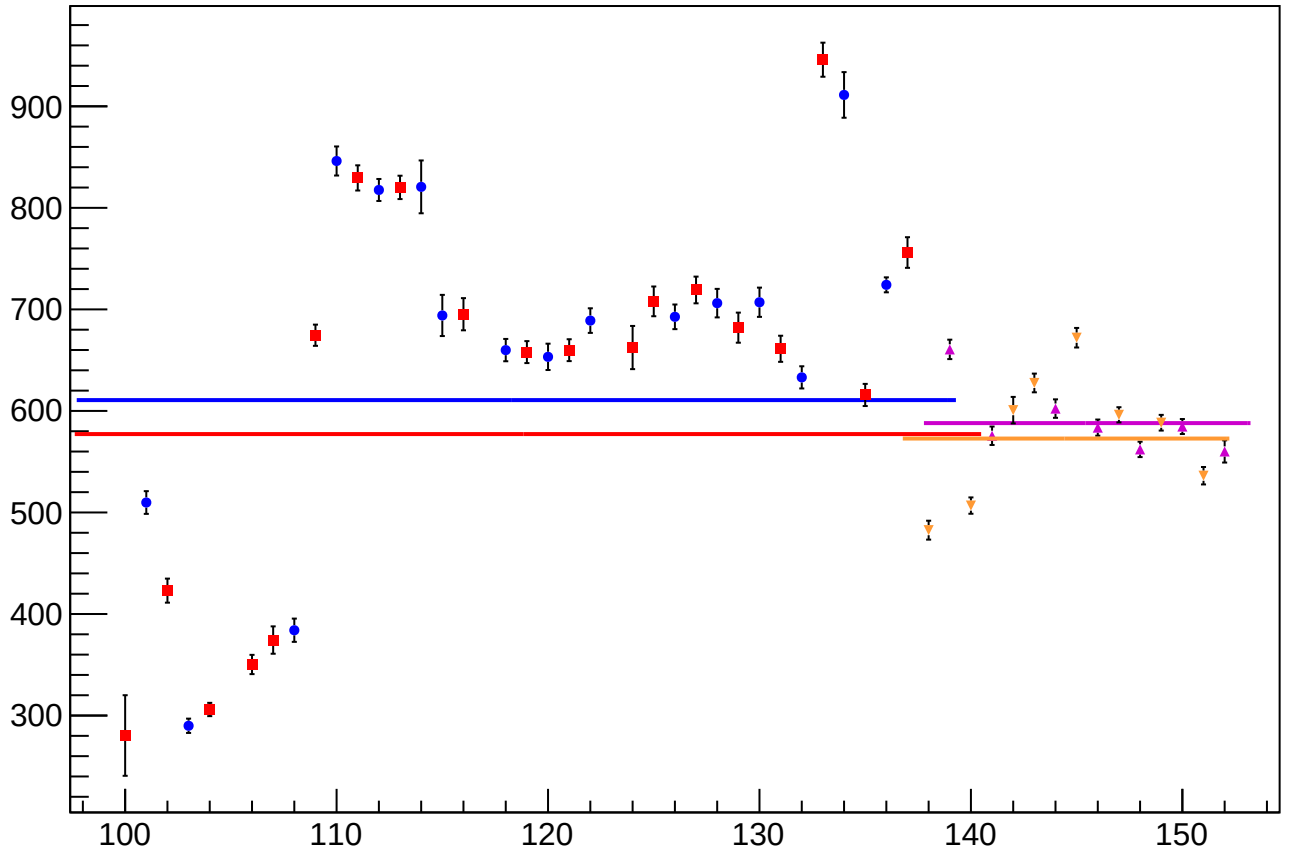
Left: 30.317+/-1.465 χ^2/NDF: 104.7/14

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 20.588+/-1.682 χ^2/NDF:263.2/22

Out: 22.728+/-1.582 χ^2/NDF:342.0/26

All: 21.724+/-1.152 χ^2/NDF: 606.0/49



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: 588.013+/-3.243 χ^2/NDF:80.7/6

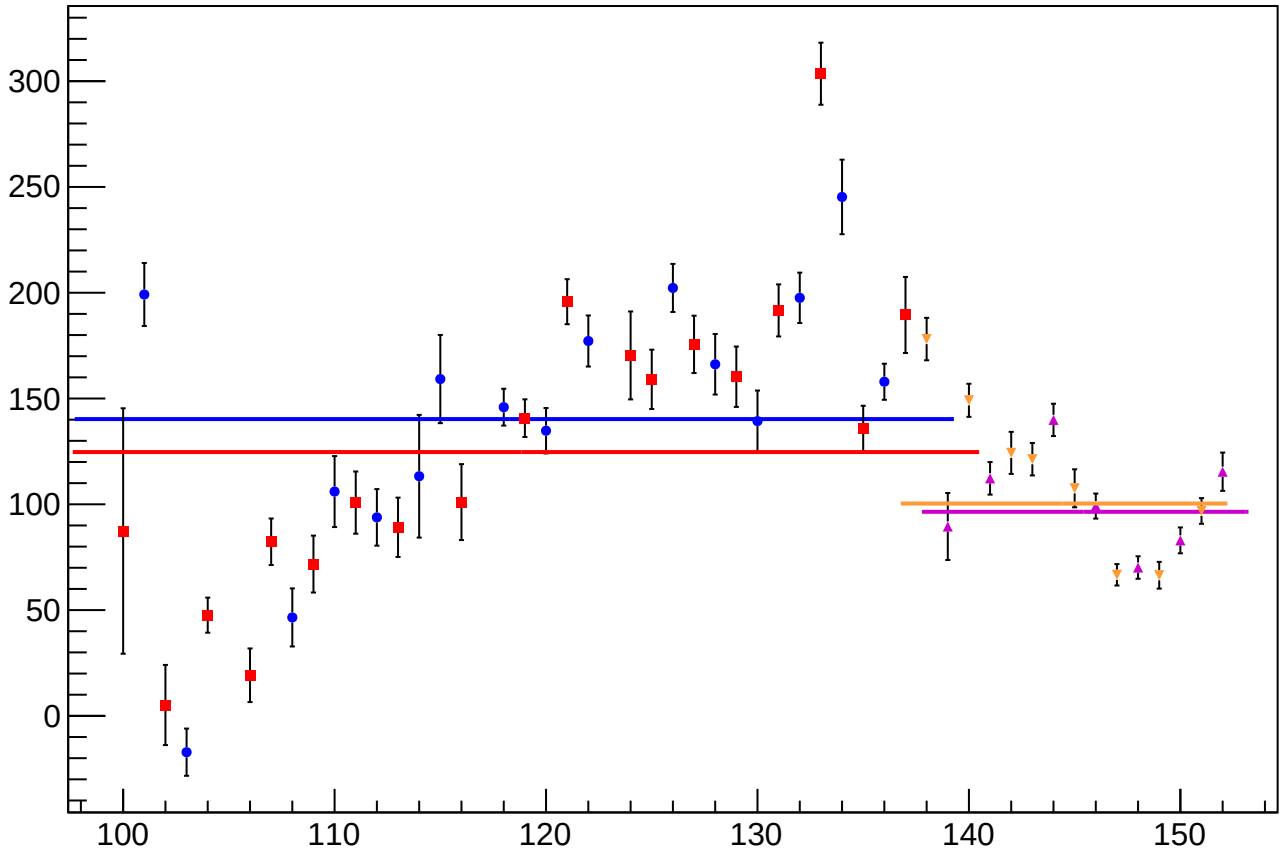
Left: 580.082+/-2.244 χ^2/NDF: 431.4/14

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 600.631+/-2.159 χ^2/NDF:4000.4/22

Out: 575.267+/-2.062 χ^2/NDF:5140.6/26

All: 587.366+/-1.491 χ^2/NDF: 9213.3/49



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: 96.451+/-2.664 χ^2/NDF:70.8/6

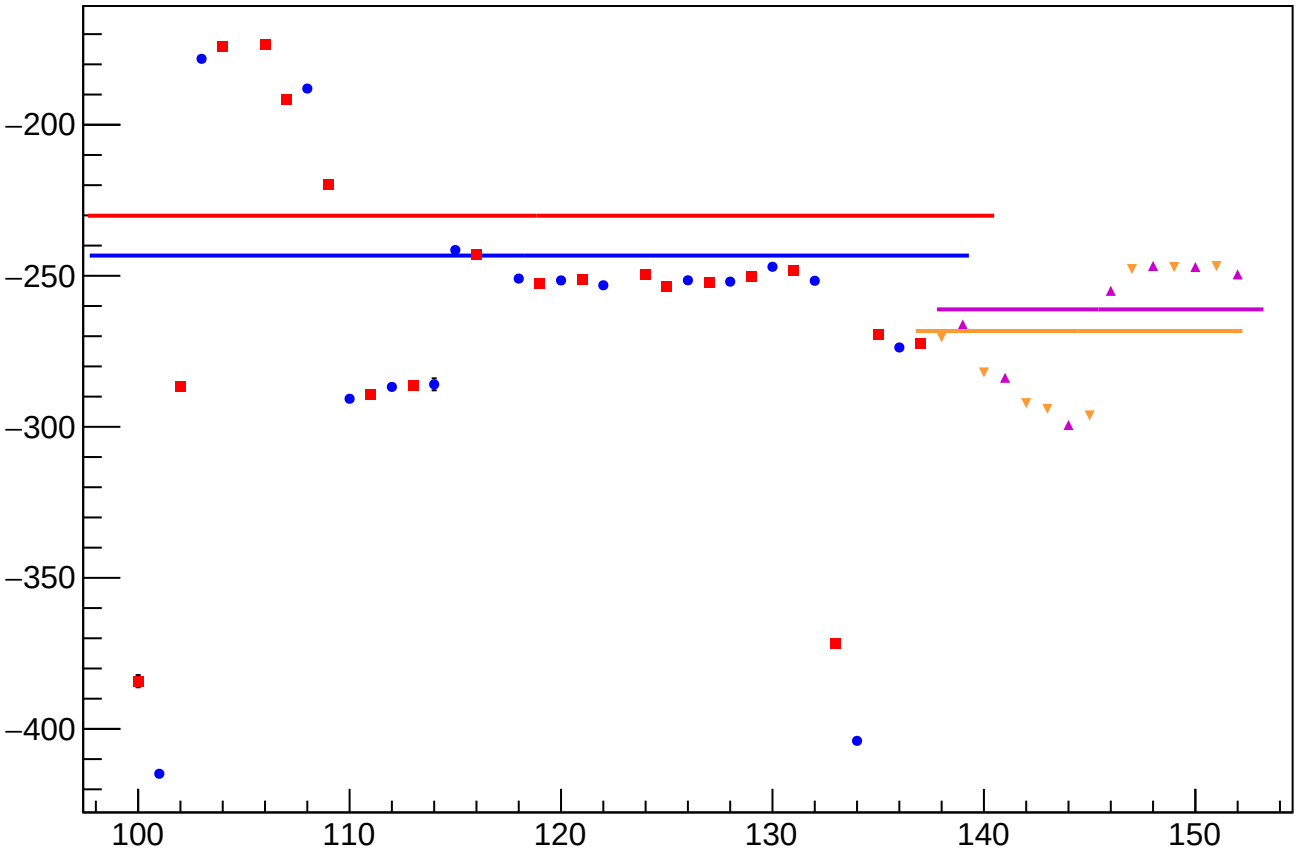
Left: 98.516+/-1.832 χ^2/NDF: 258.3/14

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 114.717+/-2.034 χ^2/NDF:569.0/22

Out: 110.535+/-1.925 χ^2/NDF:733.7/26

All: 112.511+/-1.398 χ^2/NDF: 1304.9/49



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: -261.118+/-0.131 χ^2/NDF:18335.2/6

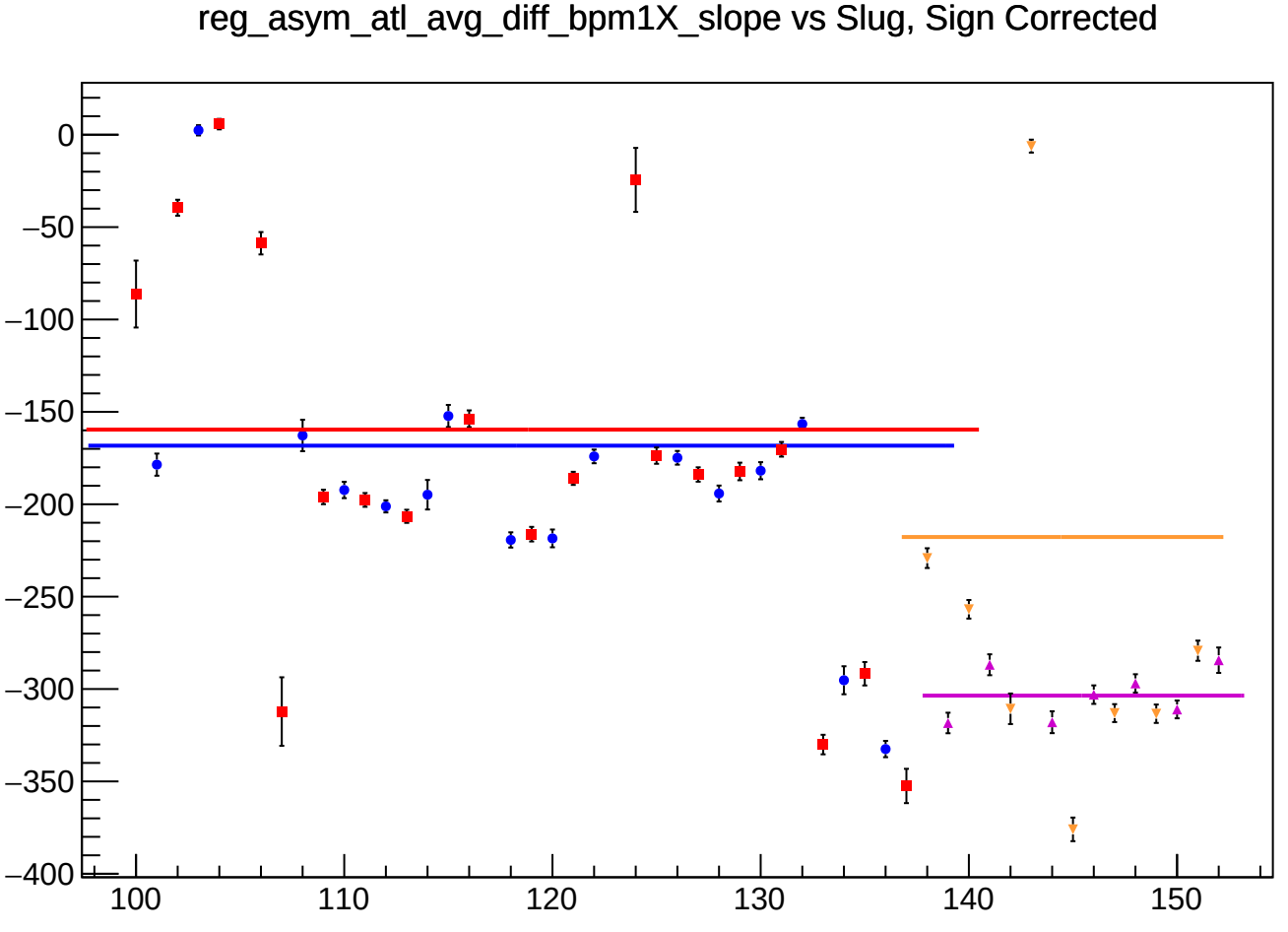
Left: -264.709+/-0.092 χ^2/NDF: 45186.1/14

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -254.129+/-0.102 χ^2/NDF:199120.8/22

Out: -252.778+/-0.100 χ^2/NDF:162730.0/26

All: -253.443+/-0.071 χ^2/NDF: 361940.3/49



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: -303.563+/-2.054 χ^2/NDF:33.7/6

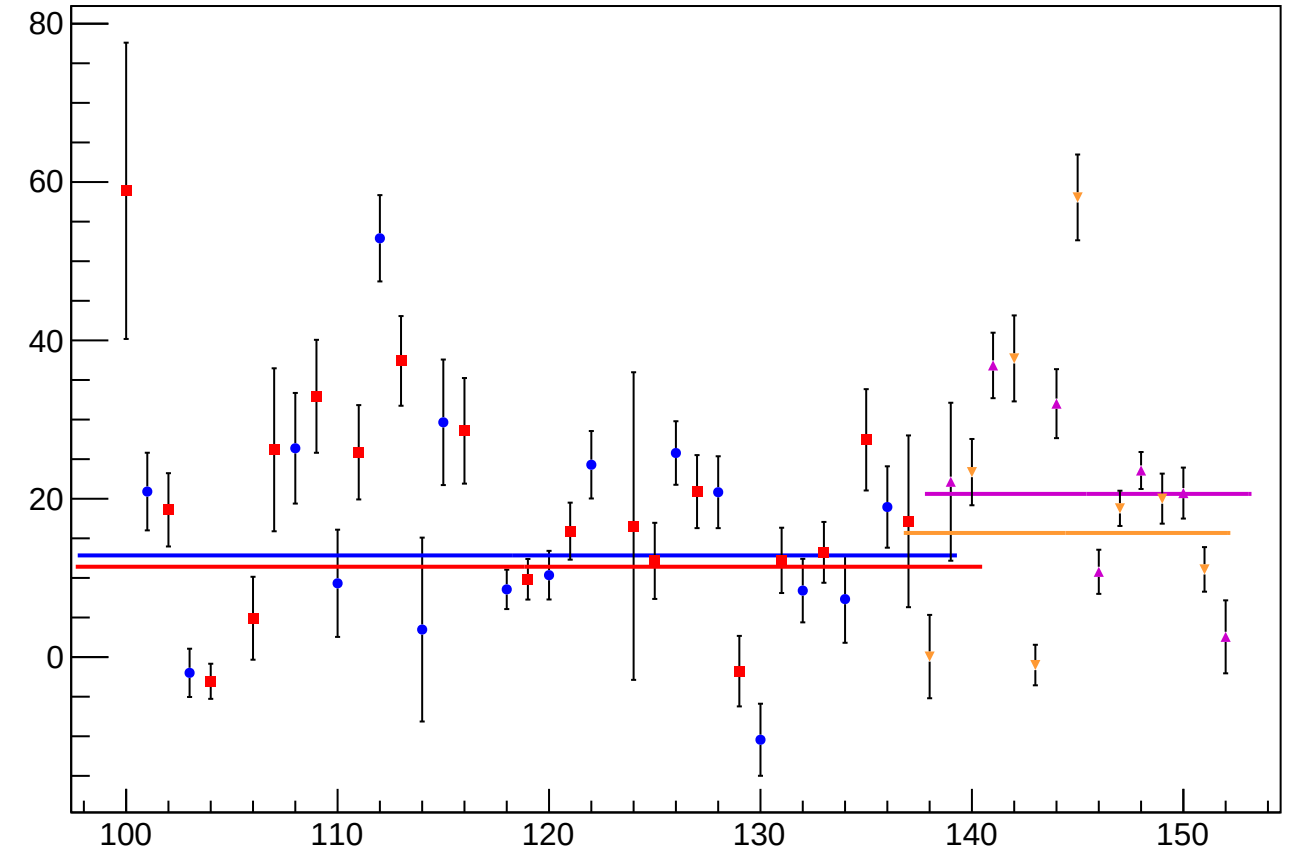
Left: -254.833+/-1.350 χ^2/NDF: 6349.0/14

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -197.413+/-0.953 χ^2/NDF:9345.3/22

Out: -174.295+/-0.901 χ^2/NDF:13307.8/26

All: -185.207+/-0.655 χ^2/NDF: 22963.8/49



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: 20.613+/-1.317 χ^2/NDF:51.7/6

Left: 17.837+/-0.871 χ^2/NDF: 198.4/14

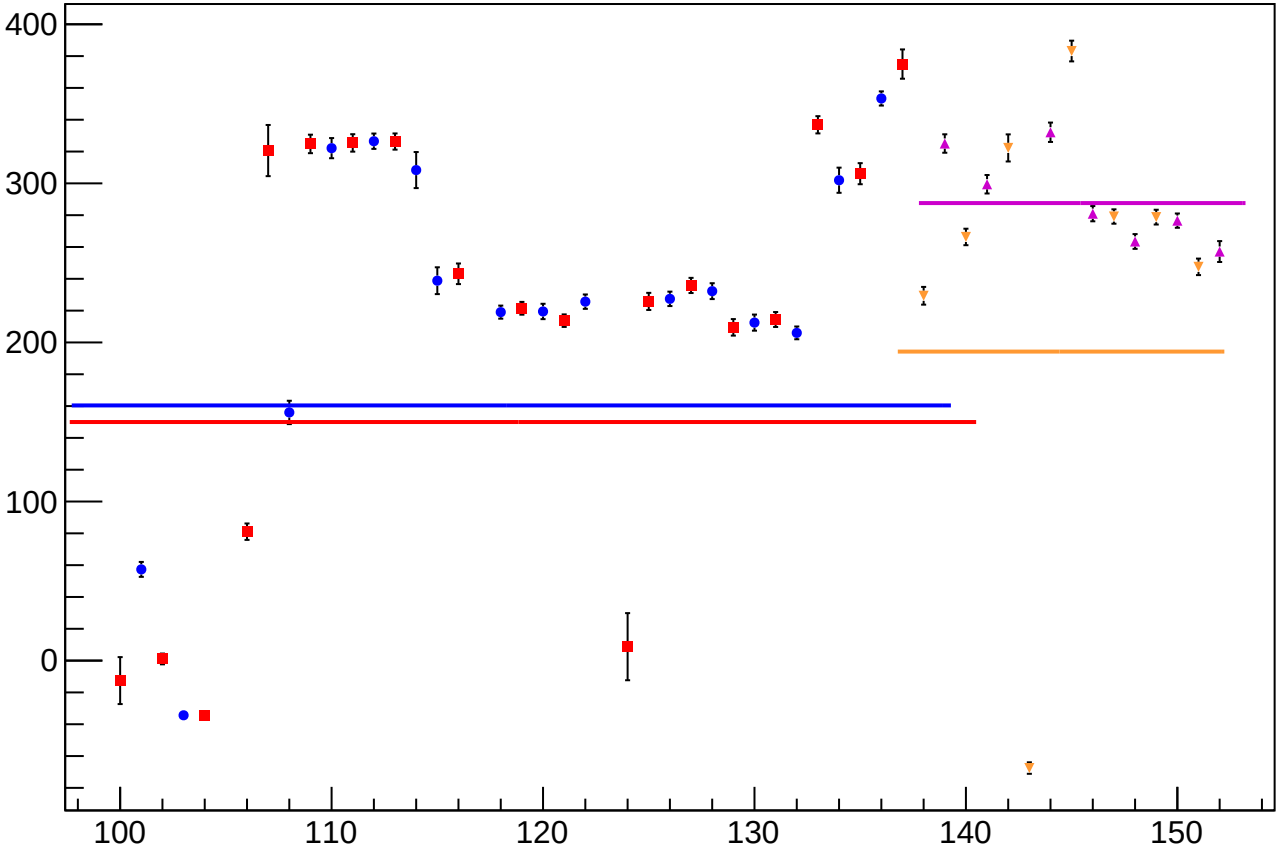
Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 15.955+/-0.833 χ^2/NDF:216.3/22

Out: 13.304+/-0.773 χ^2/NDF:265.9/26

All: 14.530+/-0.567 χ^2/NDF: 487.6/49

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: 287.609+/-2.003 χ^2/NDF:155.9/6

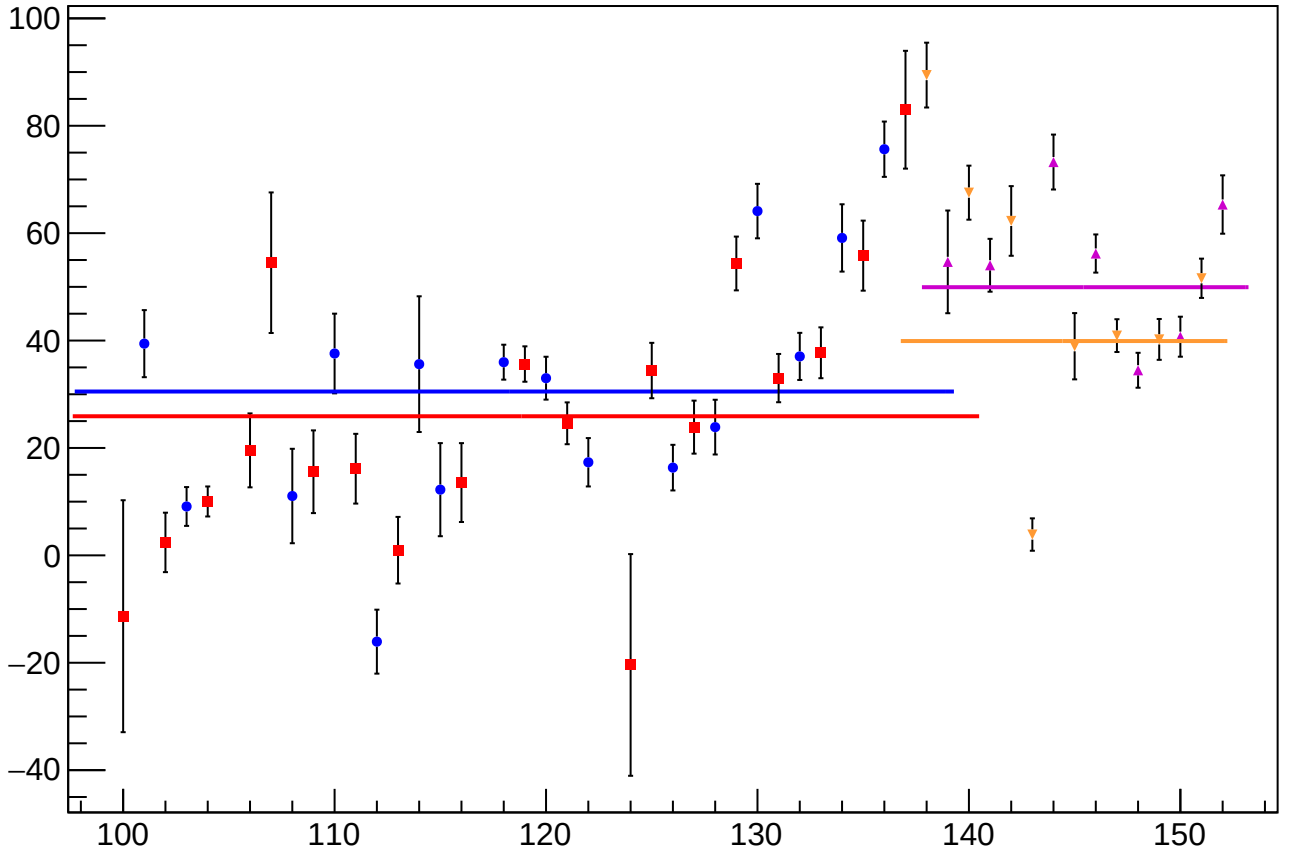
Left: 235.415+/-1.330 χ^2/NDF: 8720.8/14

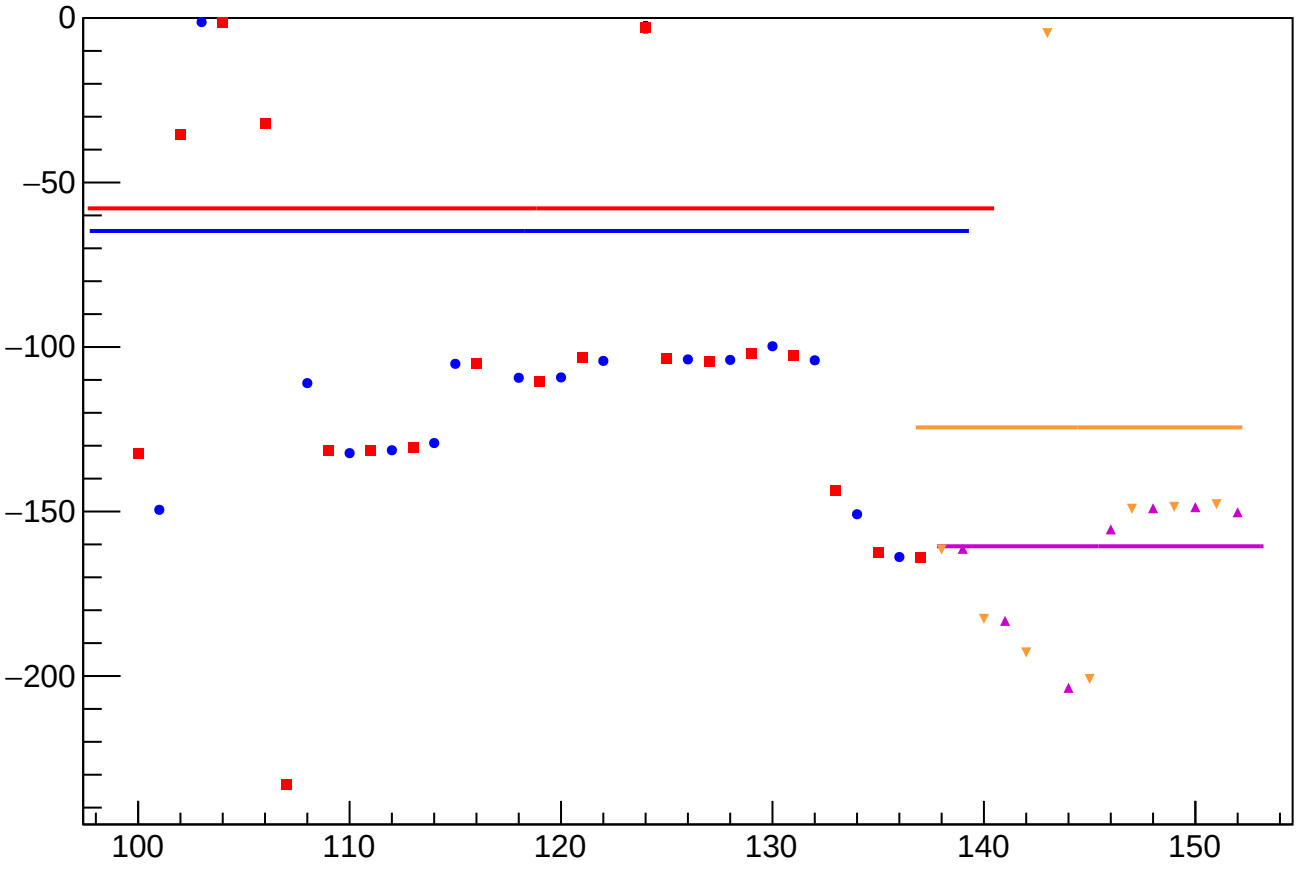
Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 191.484+/-0.990 χ^2/NDF:17152.8/22

Out: 162.332+/-0.940 χ^2/NDF:24062.6/26

All: 176.147+/-0.682 χ^2/NDF: 41671.4/49


reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
−40
100
110
120
130
140
150
Right In: 30.510+/-1.255 χ²/NDF: 276.9/15
Left Out: 39.910+/-1.446 χ²/NDF:262.4/7
Right Out: 25.903+/-1.213 χ²/NDF: 187.8/18
Left In: 49.938+/-1.644 χ²/NDF:61.6/6
Left: 44.286+/-1.086 χ²/NDF: 345.0/14
Right: 28.129+/-0.872 χ²/NDF: 471.7/34
In: 37.662+/-0.997 χ²/NDF:426.8/22
Out: 31.687+/-0.929 χ²/NDF:505.2/26
All: 34.464+/-0.680 χ²/NDF: 951.2/49



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: -160.567+/-0.080 χ^2/NDF:44484.3/6

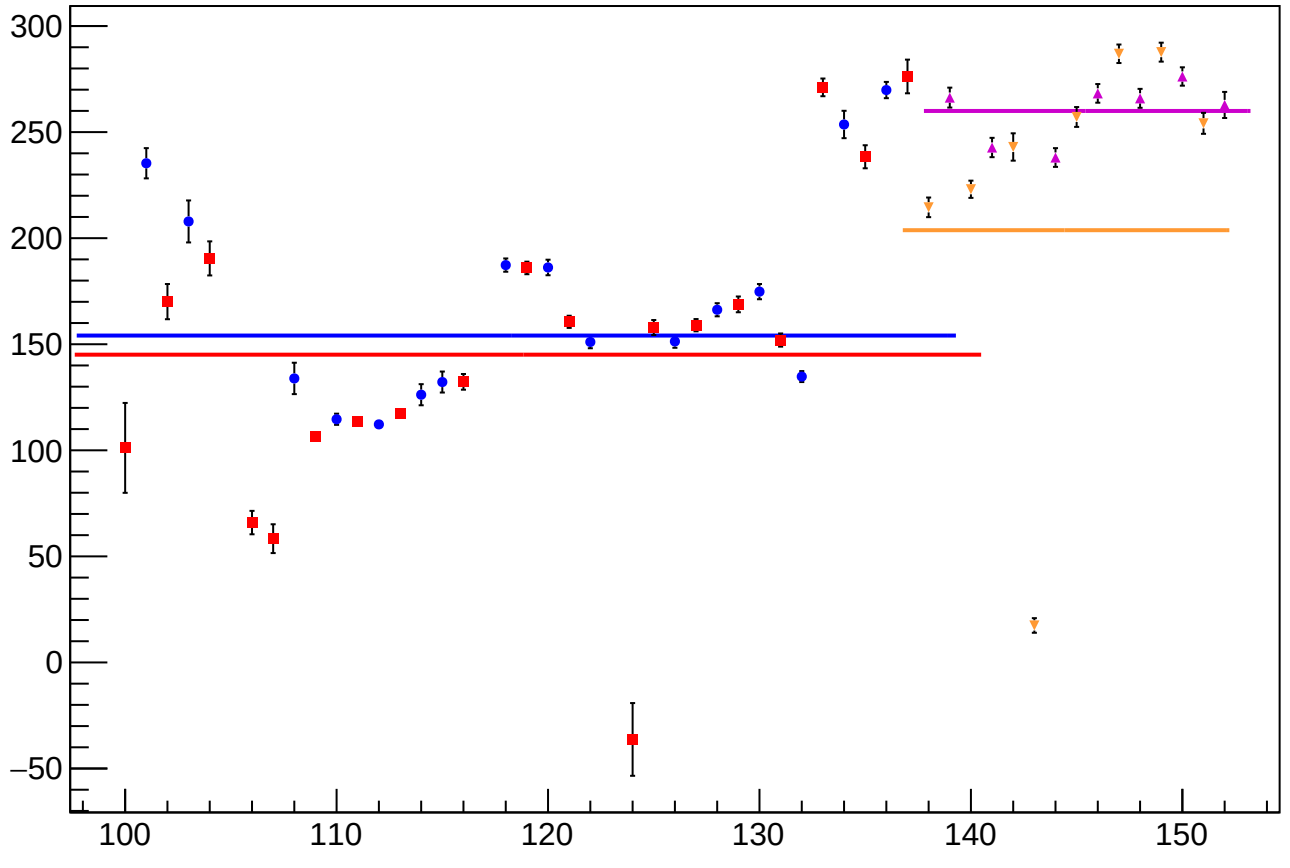
Left: -141.071+/-0.055 χ^2/NDF: 1053620.0/14

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -101.737+/-0.050 χ^2/NDF:1960598.9/22

Out: -85.256+/-0.048 χ^2/NDF:2248256.4/26

All: -93.107+/-0.034 χ^2/NDF: 4265797.8/49



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: 259.968+/-1.750 χ^2/NDF:60.4/6

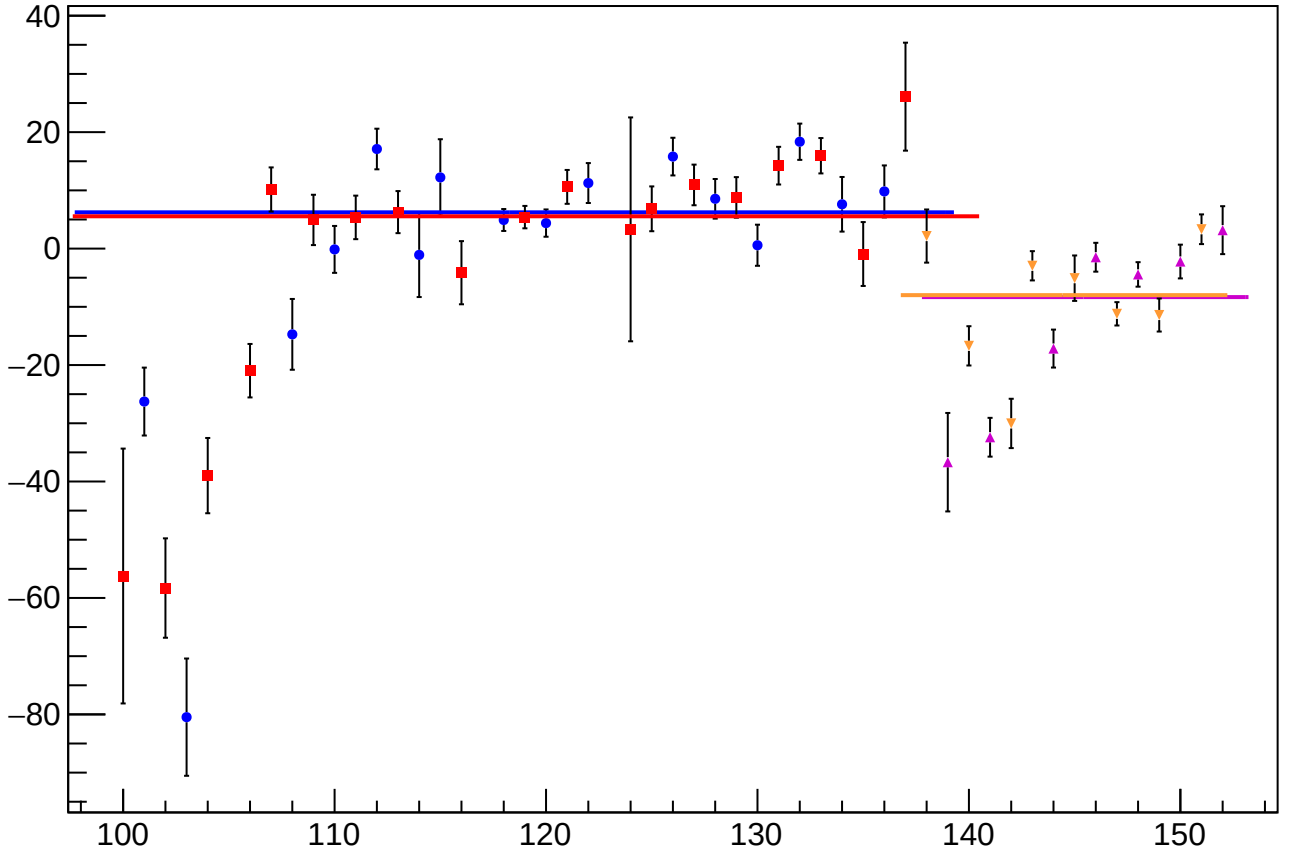
Left: 228.843+/-1.169 χ^2/NDF: 4573.0/14

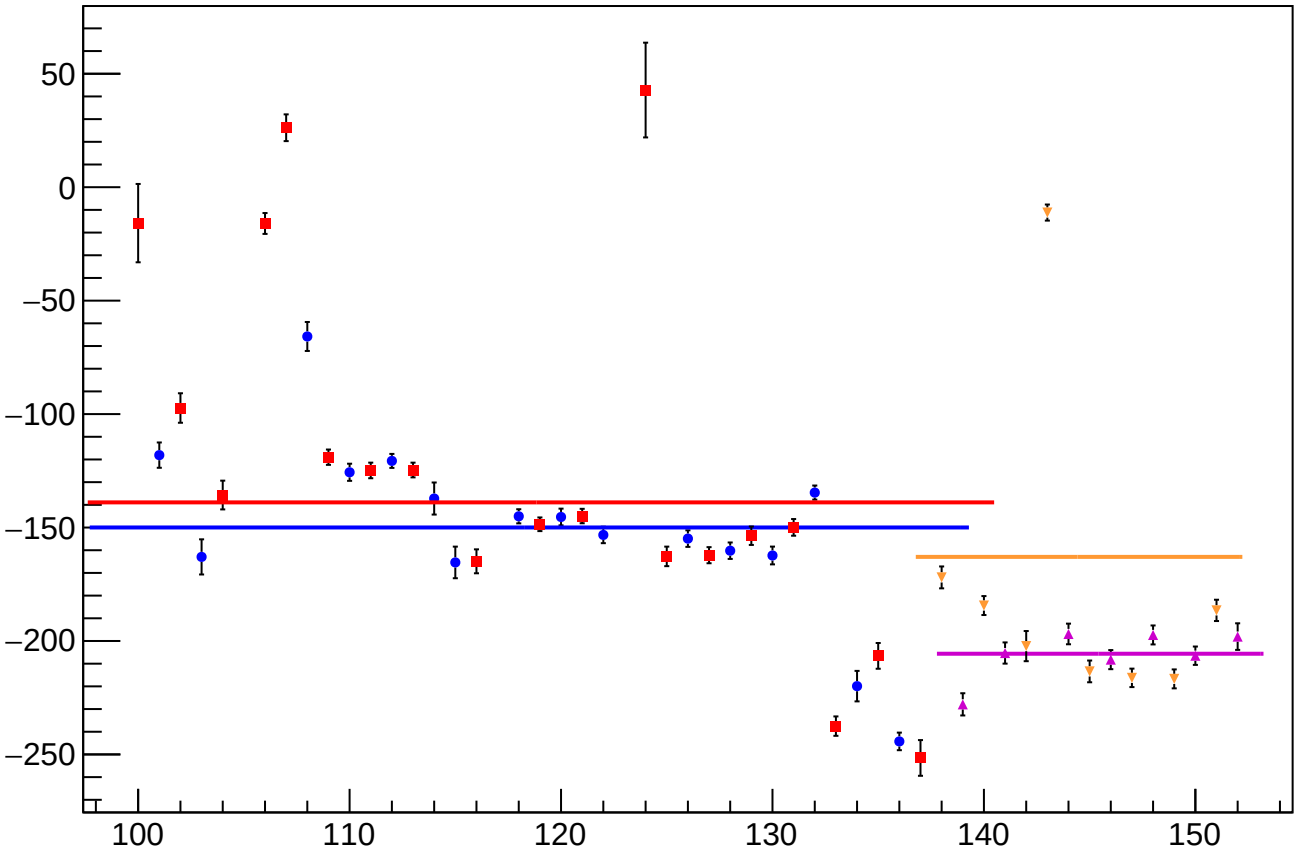
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 175.041+/-0.778 χ^2/NDF:5277.2/22

Out: 157.792+/-0.731 χ^2/NDF:7992.6/26

All: 165.876+/-0.533 χ^2/NDF: 13530.7/49


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: -8.328+/-1.143 χ²/NDF:94.1/6
Left: -8.143+/-0.765 χ²/NDF: 161.1/14
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 0.736+/-0.702 χ²/NDF:357.1/22
Out: -0.234+/-0.673 χ²/NDF:347.1/26
All: 0.230+/-0.486 χ²/NDF: 705.2/49



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -162.933+/-1.563 χ^2/NDF:2372.9/7

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -205.621+/-1.715 χ^2/NDF:30.5/6

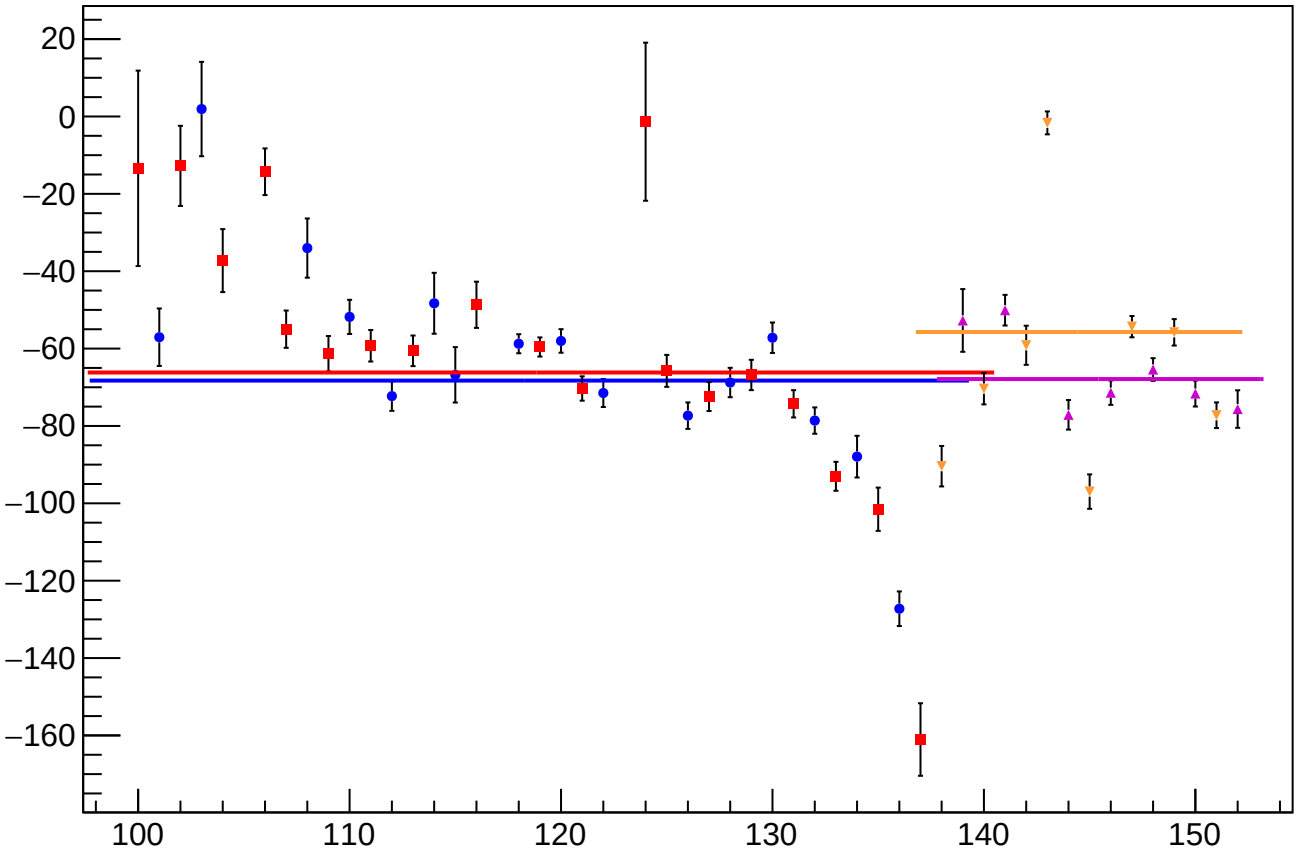
Left: -182.296+/-1.155 χ^2/NDF: 2741.7/14

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -164.625+/-0.880 χ^2/NDF:1905.2/22

Out: -145.824+/-0.838 χ^2/NDF:5292.0/26

All: -154.767+/-0.607 χ^2/NDF: 7436.4/49



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: -67.873+/-1.420 χ^2/NDF:35.3/6

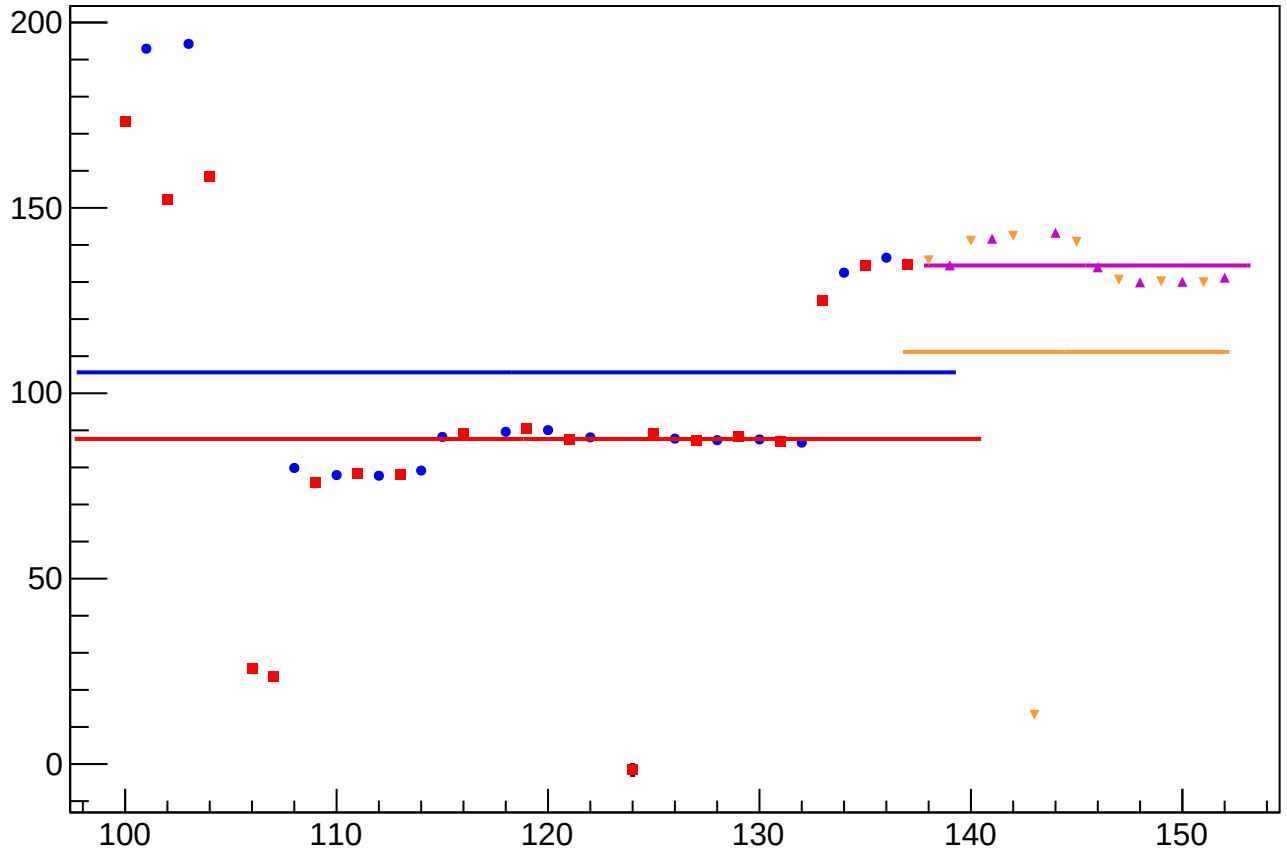
Left: -61.168+/-0.951 χ^2/NDF: 594.7/14

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -68.134+/-0.835 χ^2/NDF:350.7/22

Out: -62.100+/-0.800 χ^2/NDF:918.1/26

All: -64.986+/-0.578 χ^2/NDF: 1296.1/49



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: 134.470+/-0.069 χ^2/NDF:4993.9/6

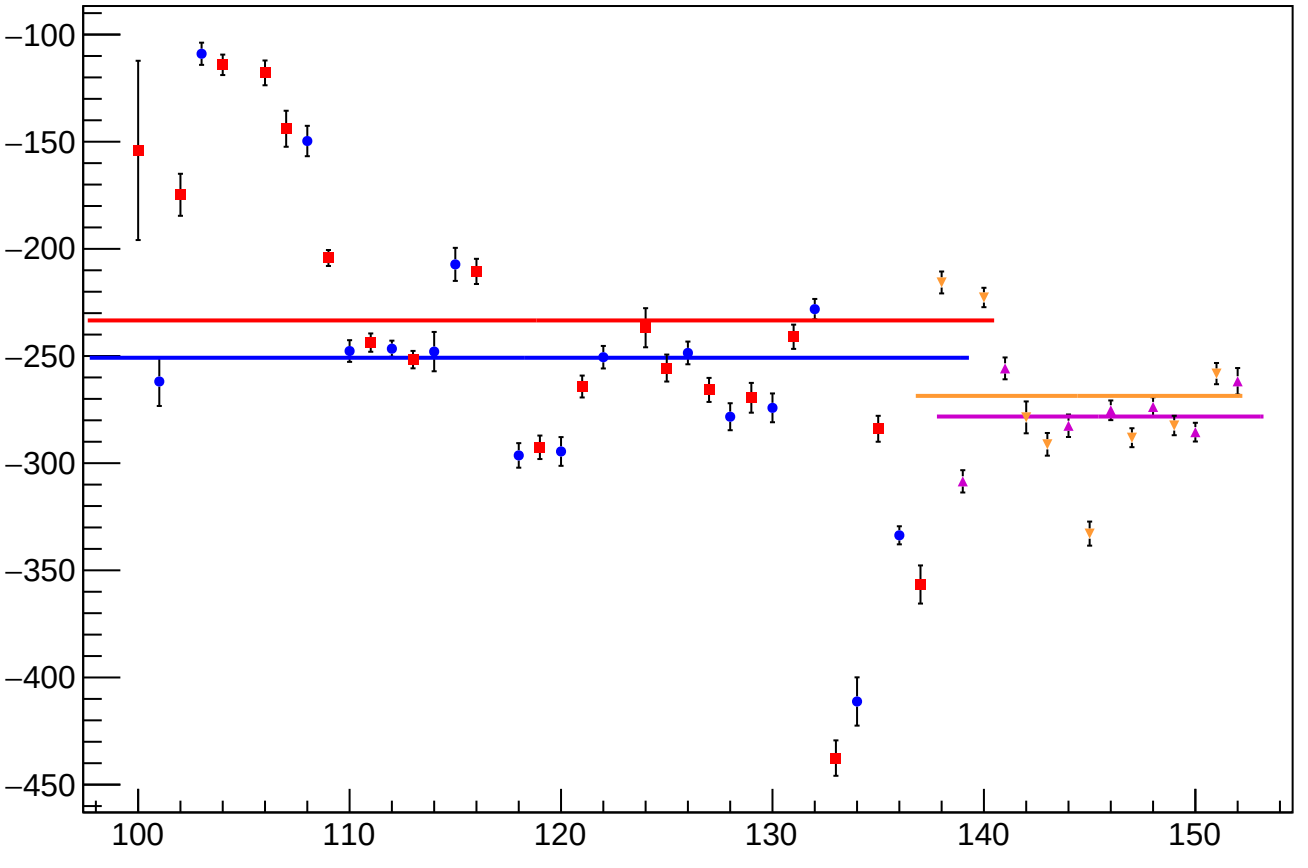
Left: 122.140+/-0.047 χ^2/NDF: 621541.2/14

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 120.409+/-0.049 χ^2/NDF:329476.2/22

Out: 99.481+/-0.046 χ^2/NDF:995175.1/26

All: 109.247+/-0.034 χ^2/NDF: 1420120.6/49



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -268.603+/-1.786 χ^2/NDF:394.7/7

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -278.235+/-1.866 χ^2/NDF:65.1/6

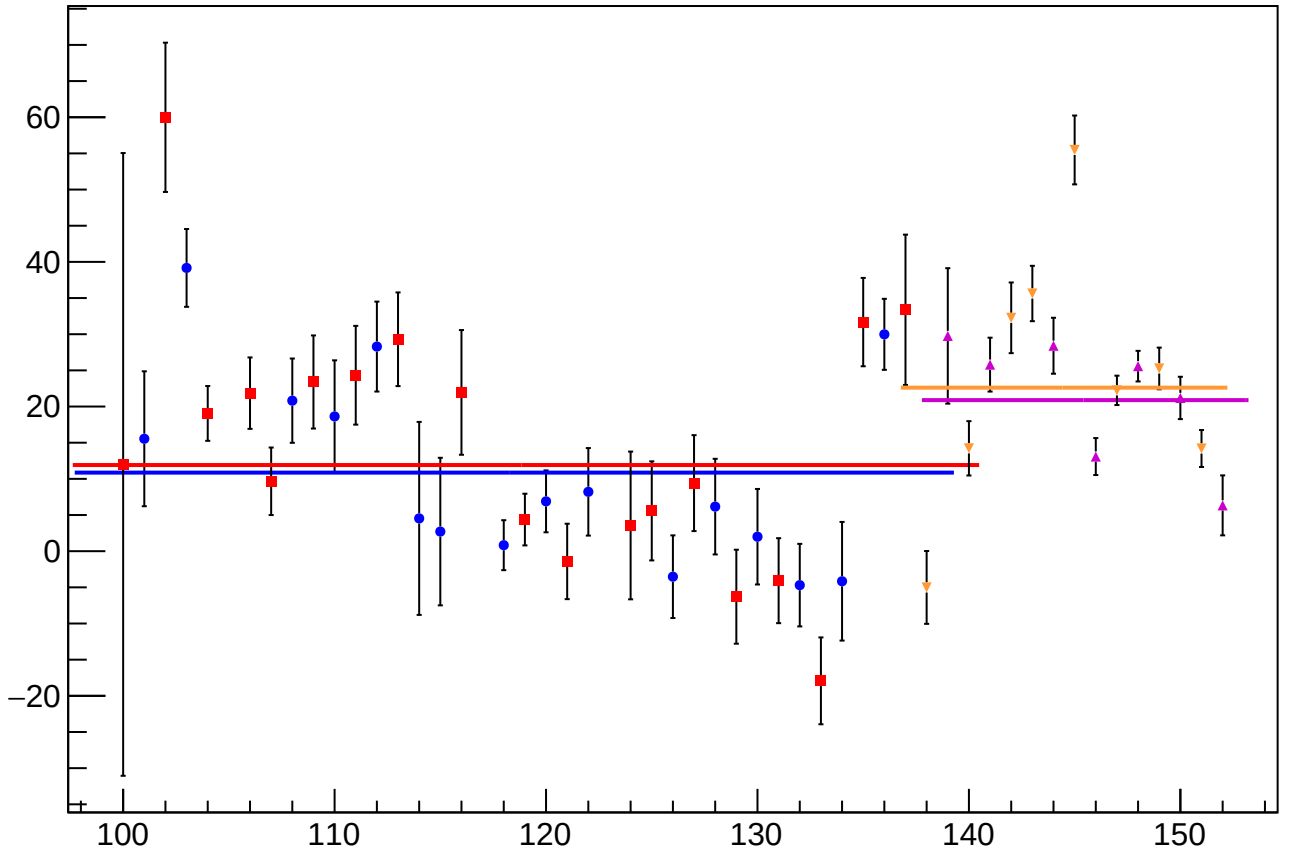
Left: -273.210+/-1.290 χ^2/NDF: 473.7/14

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -261.033+/-1.139 χ^2/NDF:1936.3/22

Out: -245.991+/-1.069 χ^2/NDF:3022.7/26

All: -253.032+/-0.779 χ^2/NDF: 5051.7/49



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: 20.888+/-1.194 χ^2/NDF:33.0/6

Left: 21.795+/-0.821 χ^2/NDF: 144.0/14

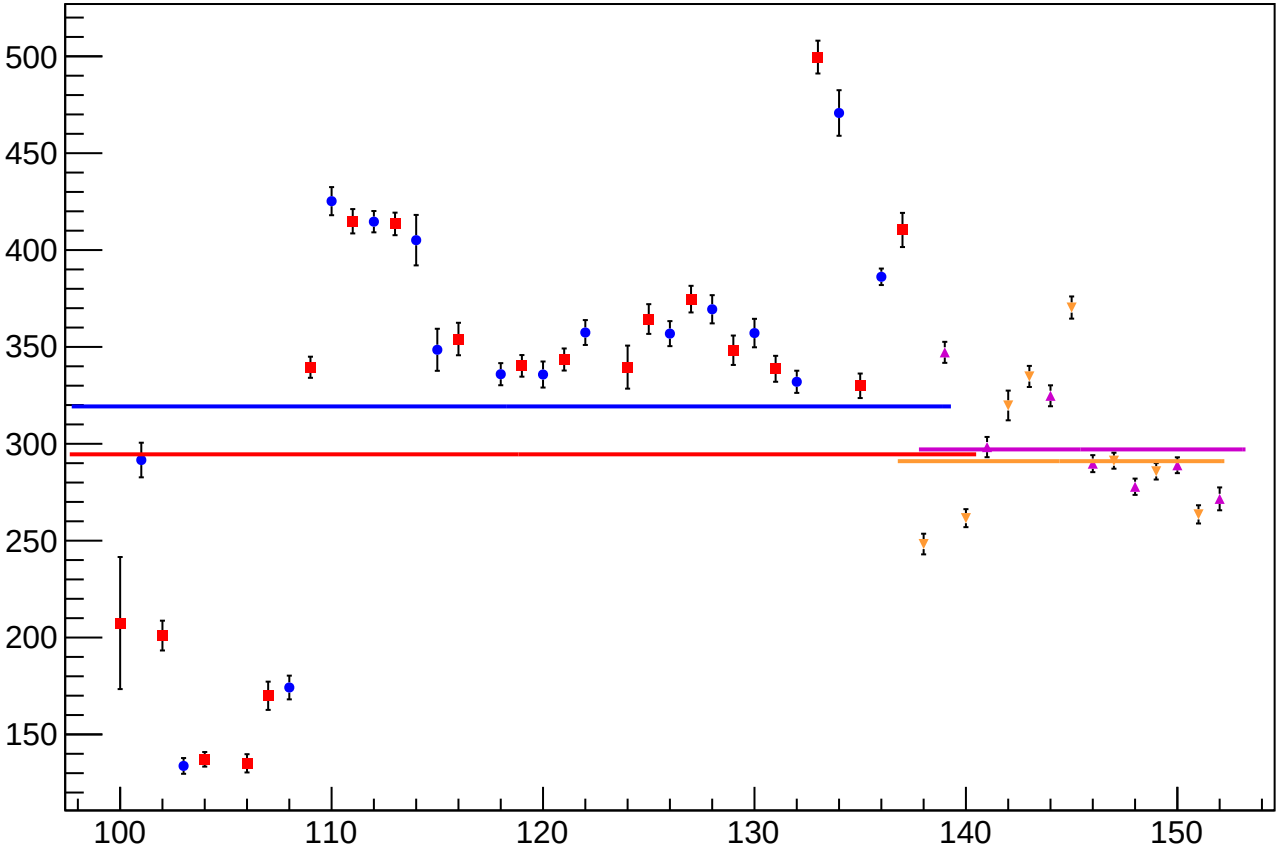
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 16.907+/-0.927 χ^2/NDF:145.7/22

Out: 18.262+/-0.872 χ^2/NDF:258.2/26

All: 17.626+/-0.635 χ^2/NDF: 405.0/49

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: 297.101+/-1.820 χ^2/NDF:158.1/6

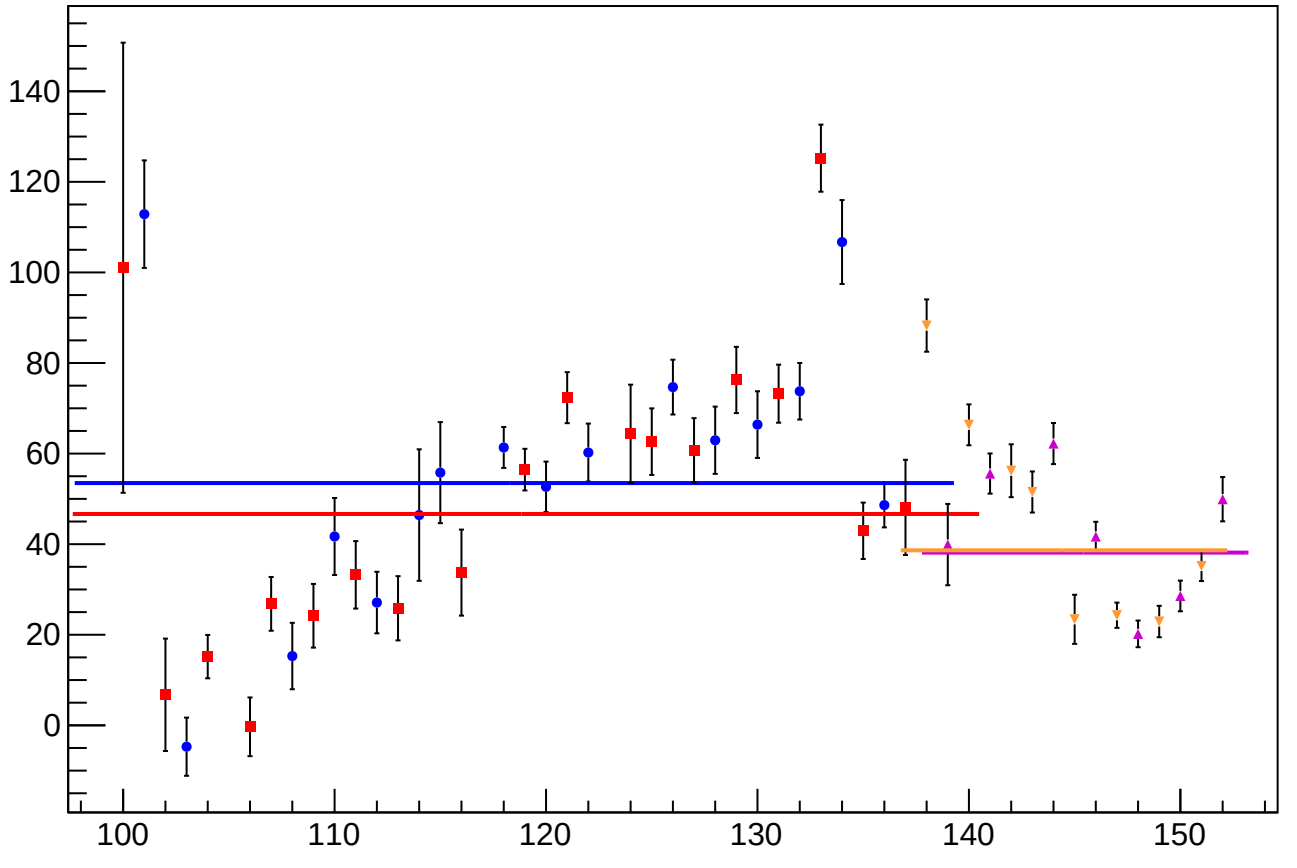
Left: 293.968+/-1.265 χ^2/NDF: 574.2/14

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 309.712+/-1.196 χ^2/NDF:4035.5/22

Out: 293.103+/-1.134 χ^2/NDF:5915.9/26

All: 300.965+/-0.823 χ^2/NDF: 10053.1/49



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: 38.140+/-1.490 χ^2/NDF:95.8/6

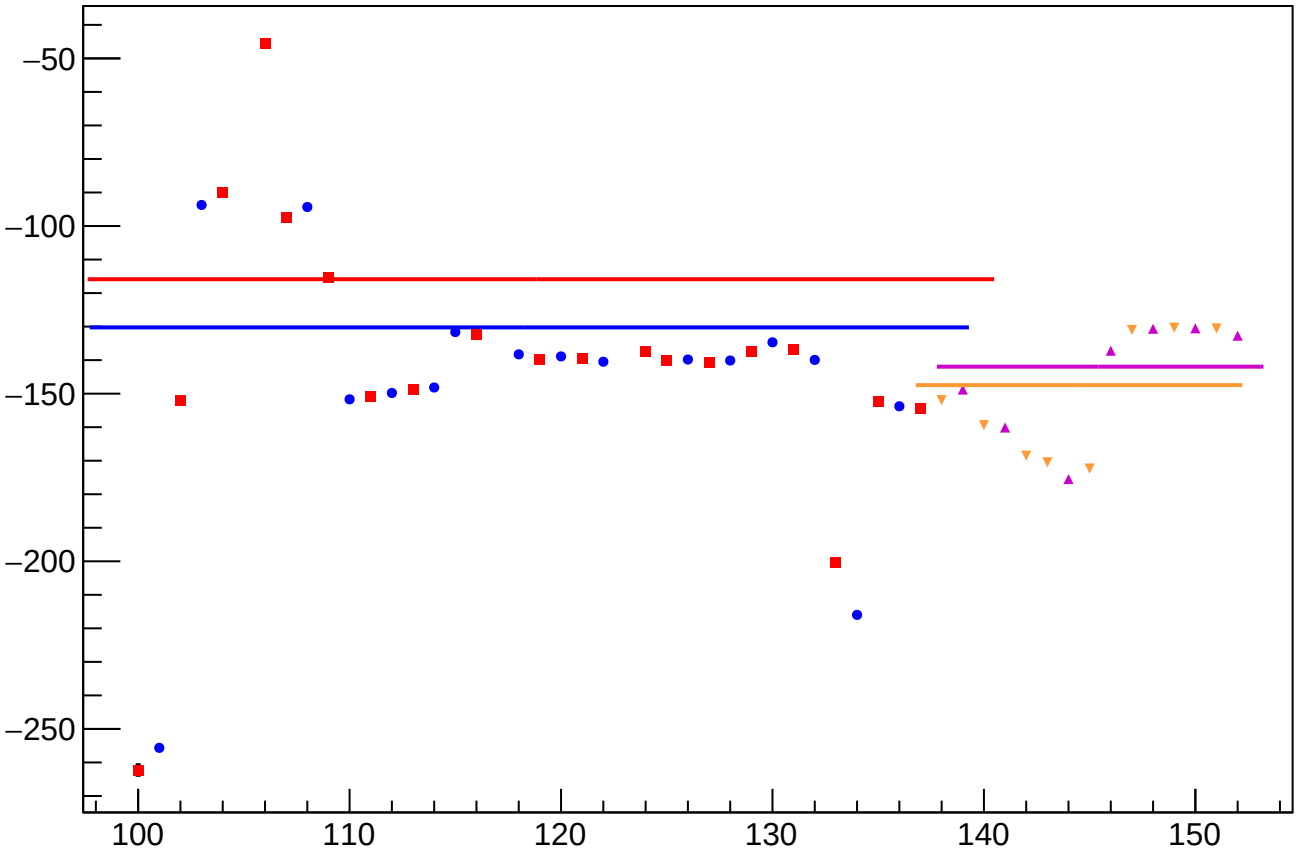
Left: 38.405+/-1.029 χ^2/NDF: 280.6/14

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 44.816+/-1.120 χ^2/NDF:359.2/22

Out: 42.205+/-1.061 χ^2/NDF:524.4/26

All: 43.440+/-0.770 χ^2/NDF: 886.5/49



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -147.453+/-0.074 χ^2/NDF:56103.1/7

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -141.950+/-0.073 χ^2/NDF:39296.9/6

Left: -144.681+/-0.052 χ^2/NDF: 98209.0/14

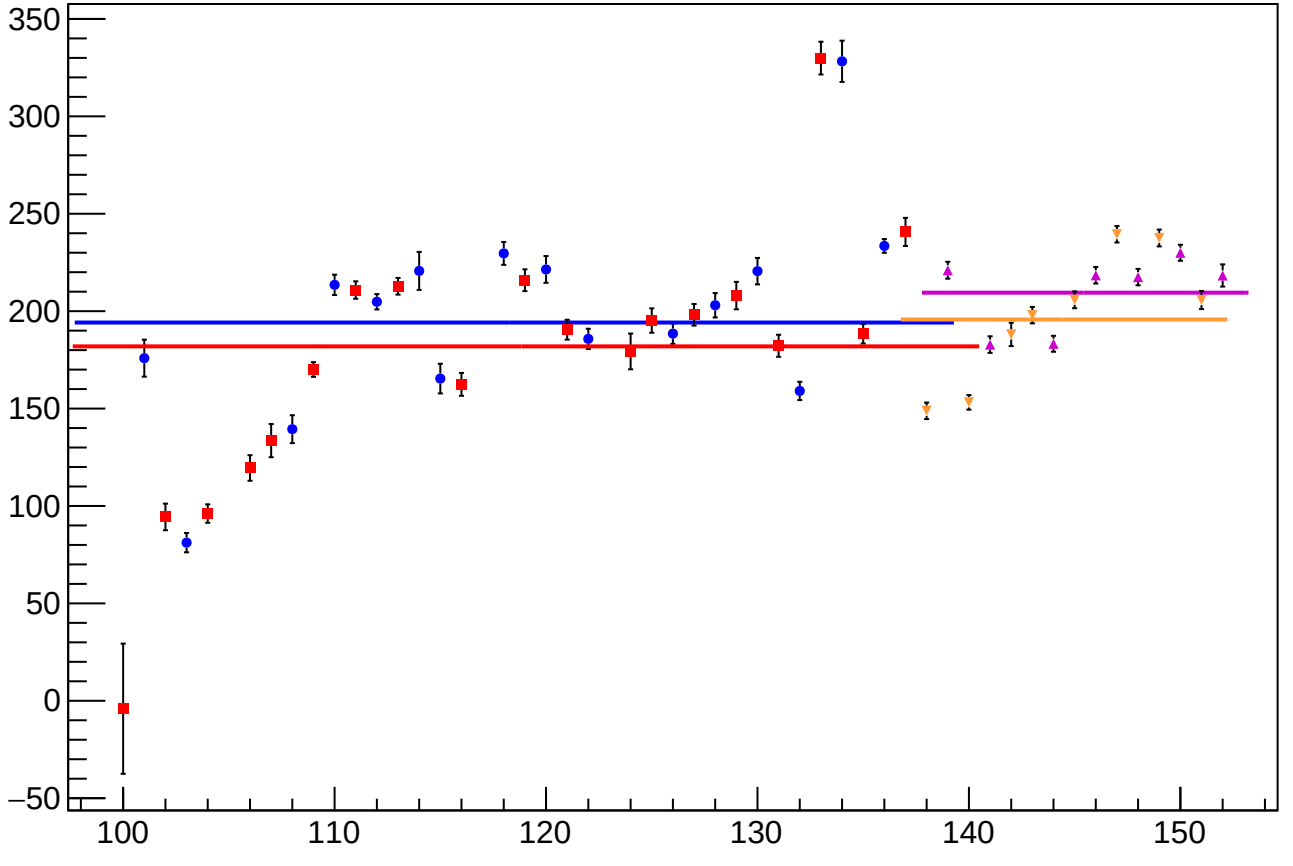
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -137.357+/-0.057 χ^2/NDF:223560.6/22

Out: -134.029+/-0.056 χ^2/NDF:340089.2/26

All: -135.659+/-0.040 χ^2/NDF: 565387.6/49

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: 209.490+/-1.643 χ^2/NDF:122.7/6

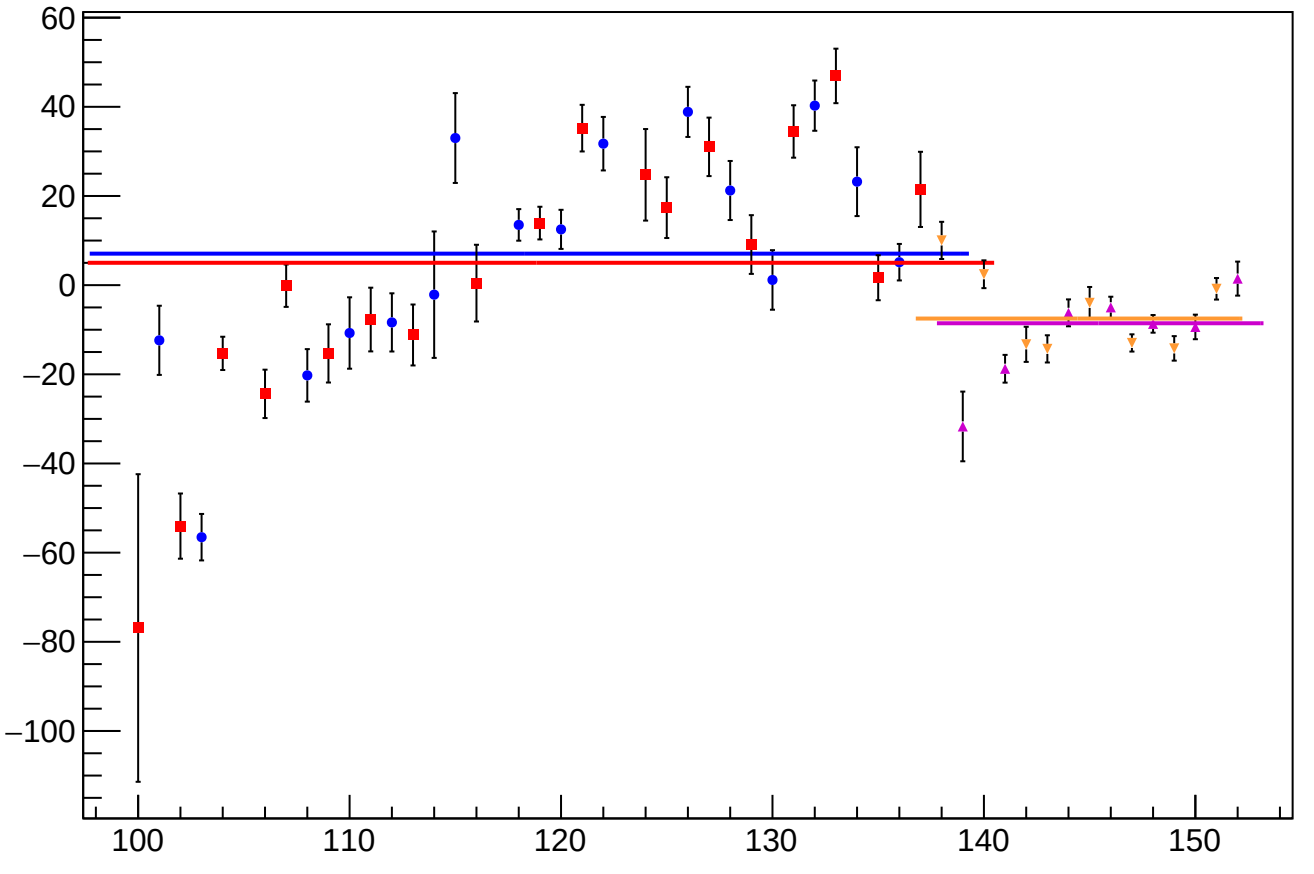
Left: 202.153+/-1.124 χ^2/NDF: 624.8/14

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 200.644+/-1.069 χ^2/NDF:1208.0/22

Out: 187.765+/-1.003 χ^2/NDF:1715.5/26

All: 193.799+/-0.731 χ^2/NDF: 3000.7/49



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: -8.548+/-1.078 χ^2/NDF:29.3/6

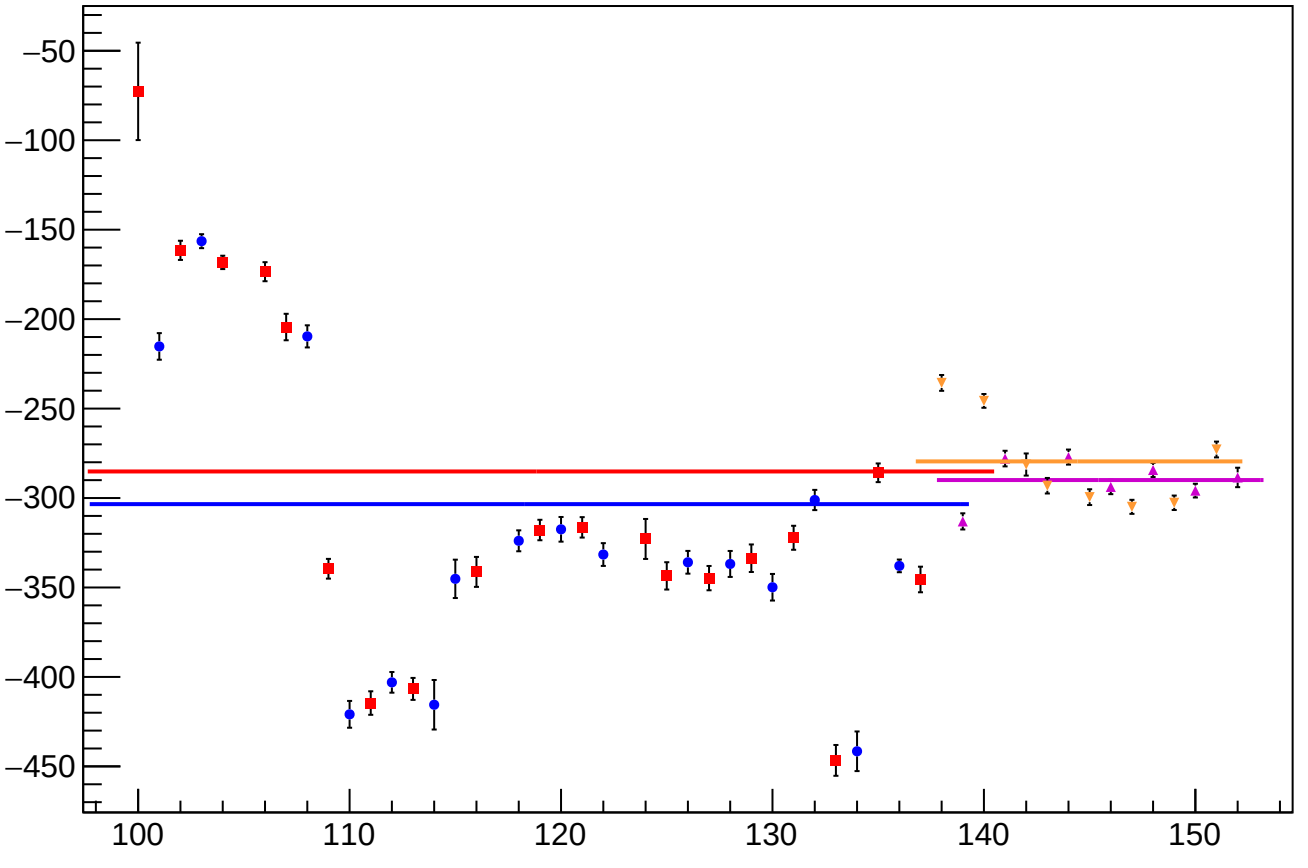
Left: -7.985+/-0.737 χ^2/NDF: 87.3/14

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: -2.956+/-0.863 χ^2/NDF:397.1/22

Out: -3.029+/-0.809 χ^2/NDF:400.8/26

All: -2.995+/-0.590 χ^2/NDF: 797.9/49



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: -289.945+/-1.612 χ^2/NDF:48.4/6

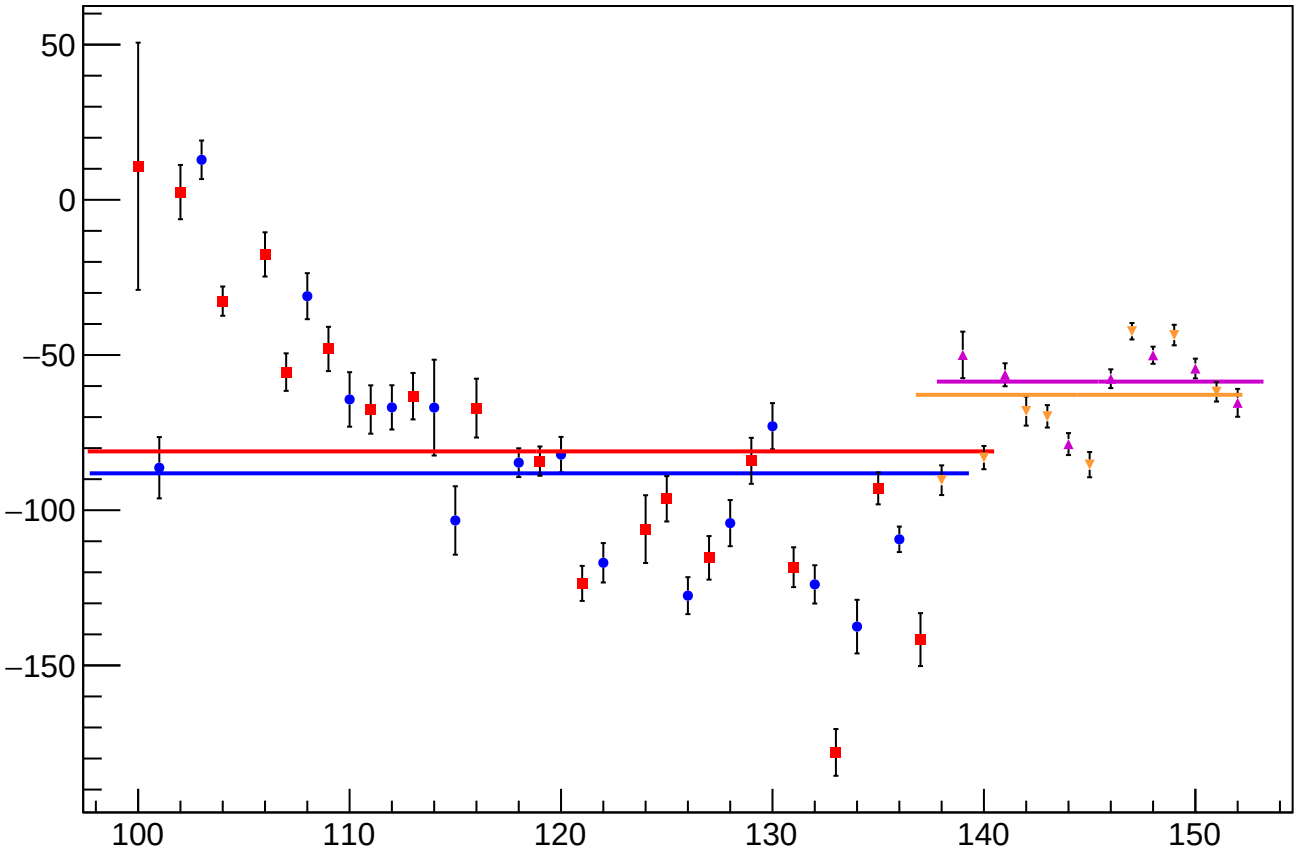
Left: -284.466+/-1.110 χ^2/NDF: 353.0/14

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -297.029+/-1.110 χ^2/NDF:2870.6/22

Out: -282.486+/-1.053 χ^2/NDF:4044.6/26

All: -289.378+/-0.764 χ^2/NDF: 7005.4/49



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: -58.564+/-1.338 χ^2/NDF:47.7/6

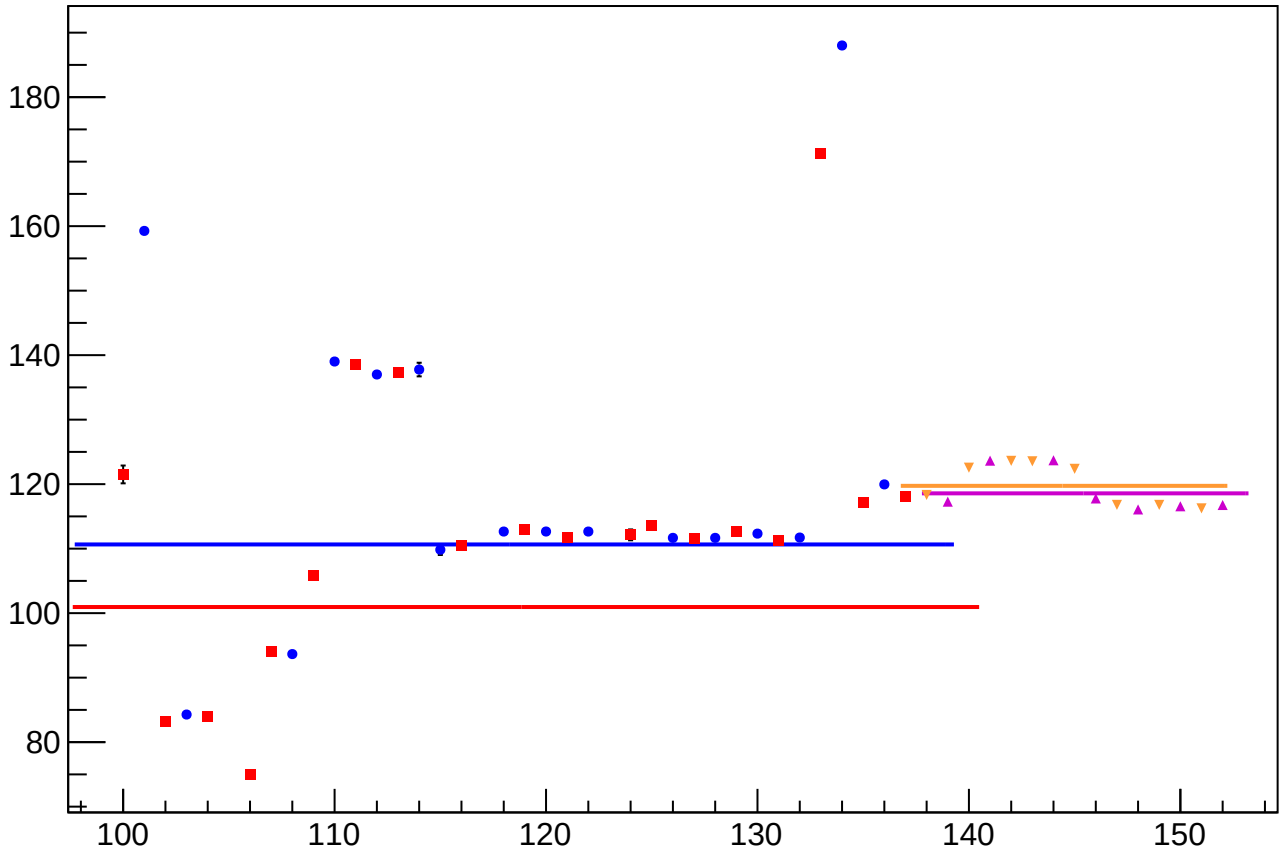
Left: -60.825+/-0.916 χ^2/NDF: 244.4/14

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -70.243+/-1.040 χ^2/NDF:752.5/22

Out: -69.952+/-0.981 χ^2/NDF:951.0/26

All: -70.089+/-0.714 χ^2/NDF: 1703.5/49



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: 118.573+/-0.065 χ^2/NDF:2126.5/6

Left: 119.164+/-0.046 χ^2/NDF: 4512.5/14

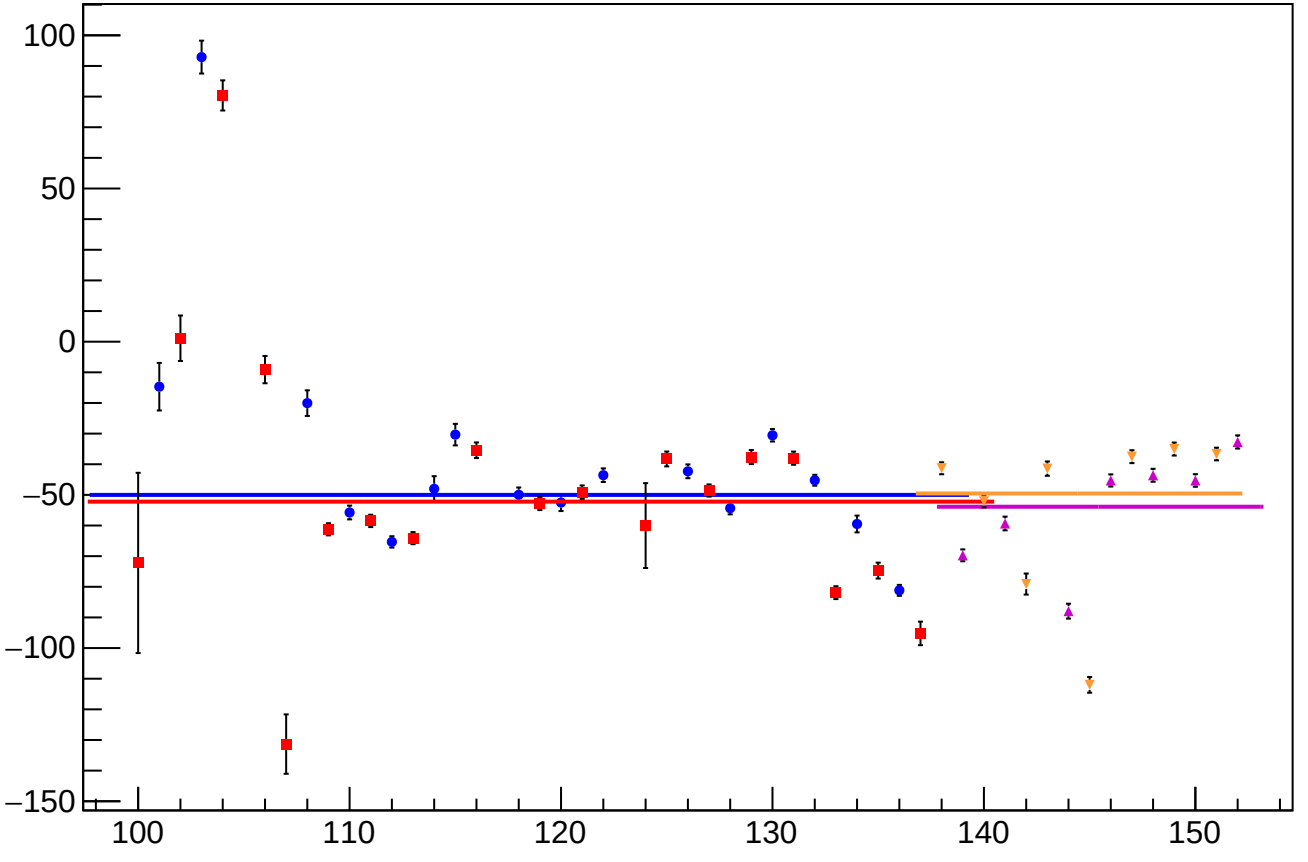
Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.692+/-0.052 χ^2/NDF:91070.7/22

Out: 112.519+/-0.050 χ^2/NDF:97380.2/26

All: 114.057+/-0.036 χ^2/NDF: 190388.5/49

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -53.869+/-0.800 χ^2/NDF:425.1/6

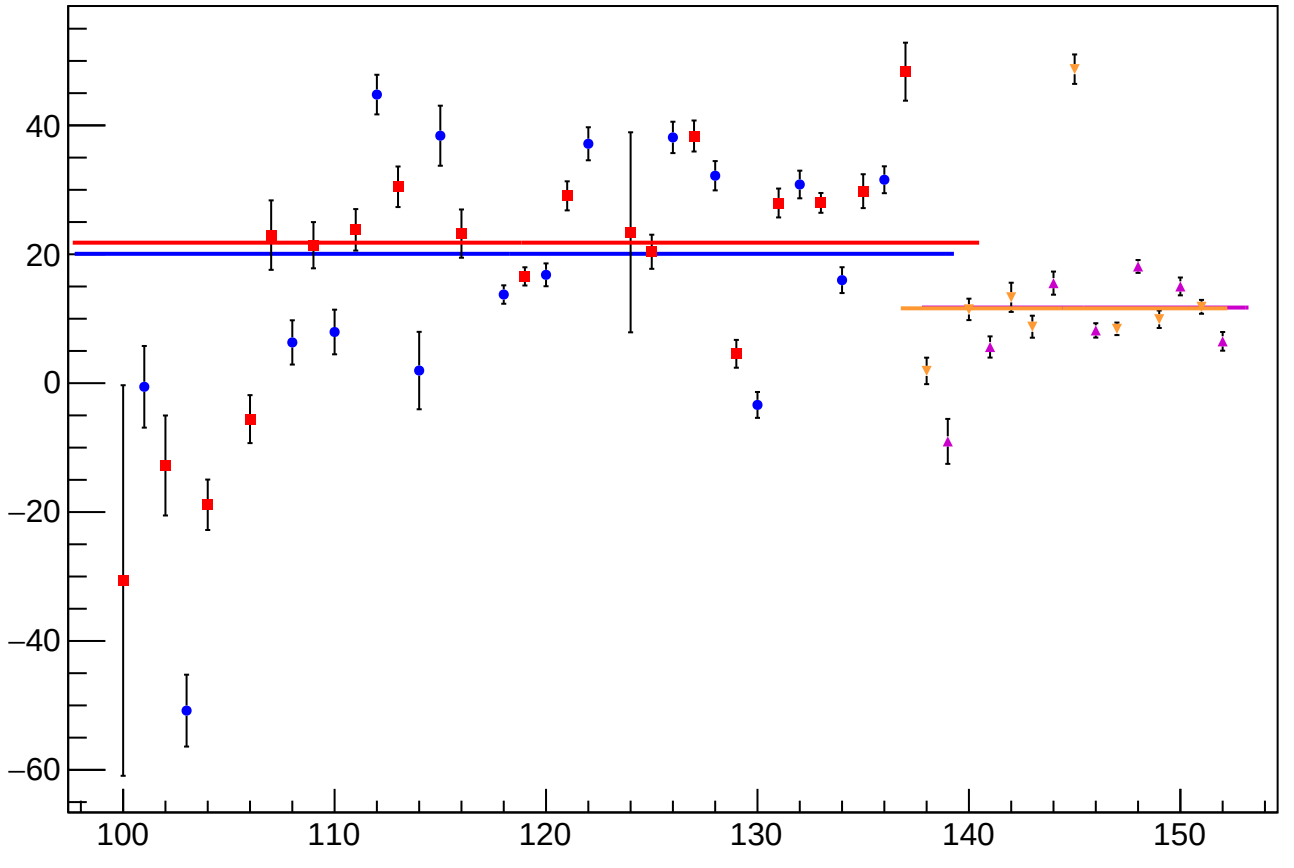
Left: -51.675+/-0.561 χ^2/NDF: 1252.9/14

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -51.428+/-0.485 χ^2/NDF:1767.2/22

Out: -51.220+/-0.480 χ^2/NDF:2390.5/26

All: -51.323+/-0.341 χ^2/NDF: 4157.8/49



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: 11.733+/-0.529 χ^2/NDF:123.4/6

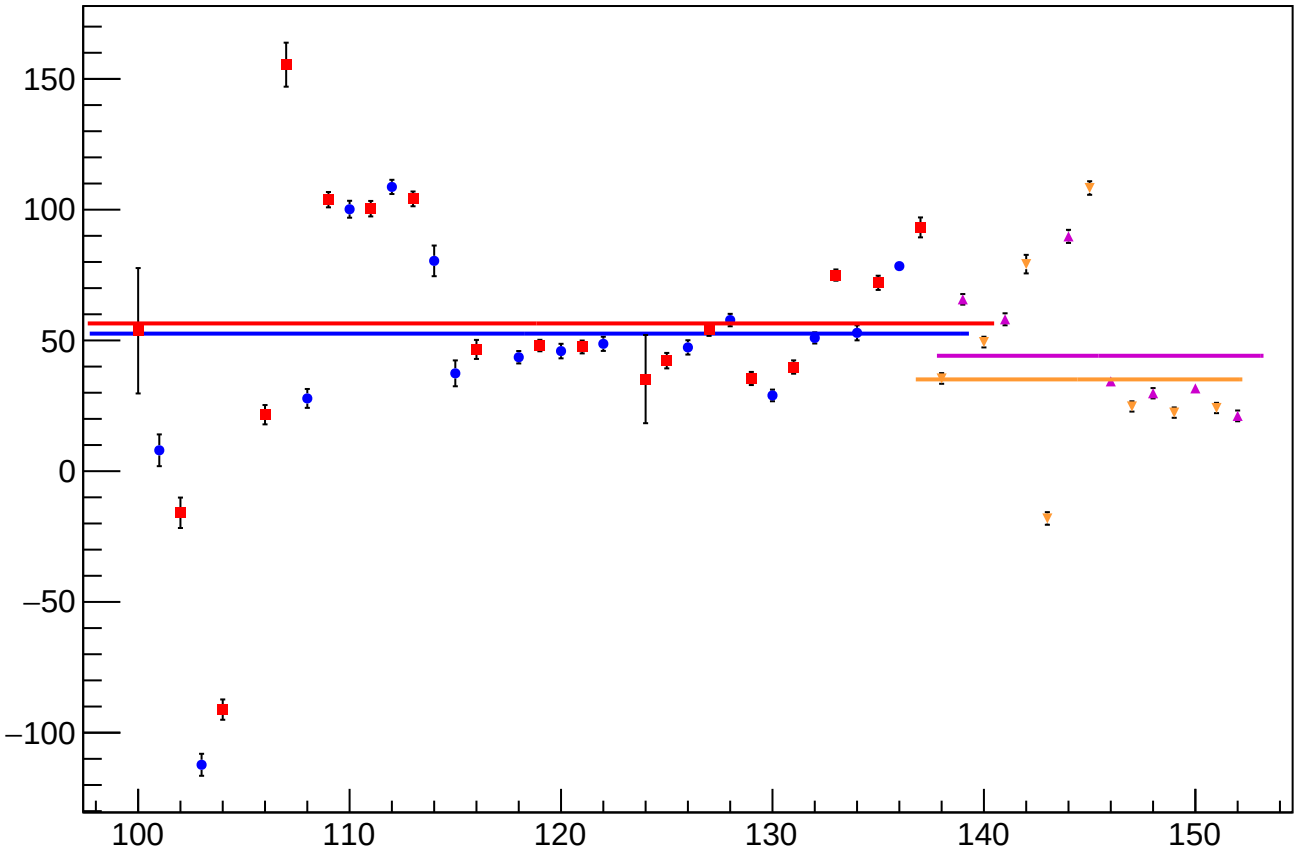
Left: 11.671+/-0.368 χ^2/NDF: 425.2/14

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 15.302+/-0.400 χ^2/NDF:865.9/22

Out: 15.739+/-0.396 χ^2/NDF:857.6/26

All: 15.523+/-0.281 χ^2/NDF: 1724.1/49



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: 44.134+/-0.783 χ^2/NDF:729.3/6

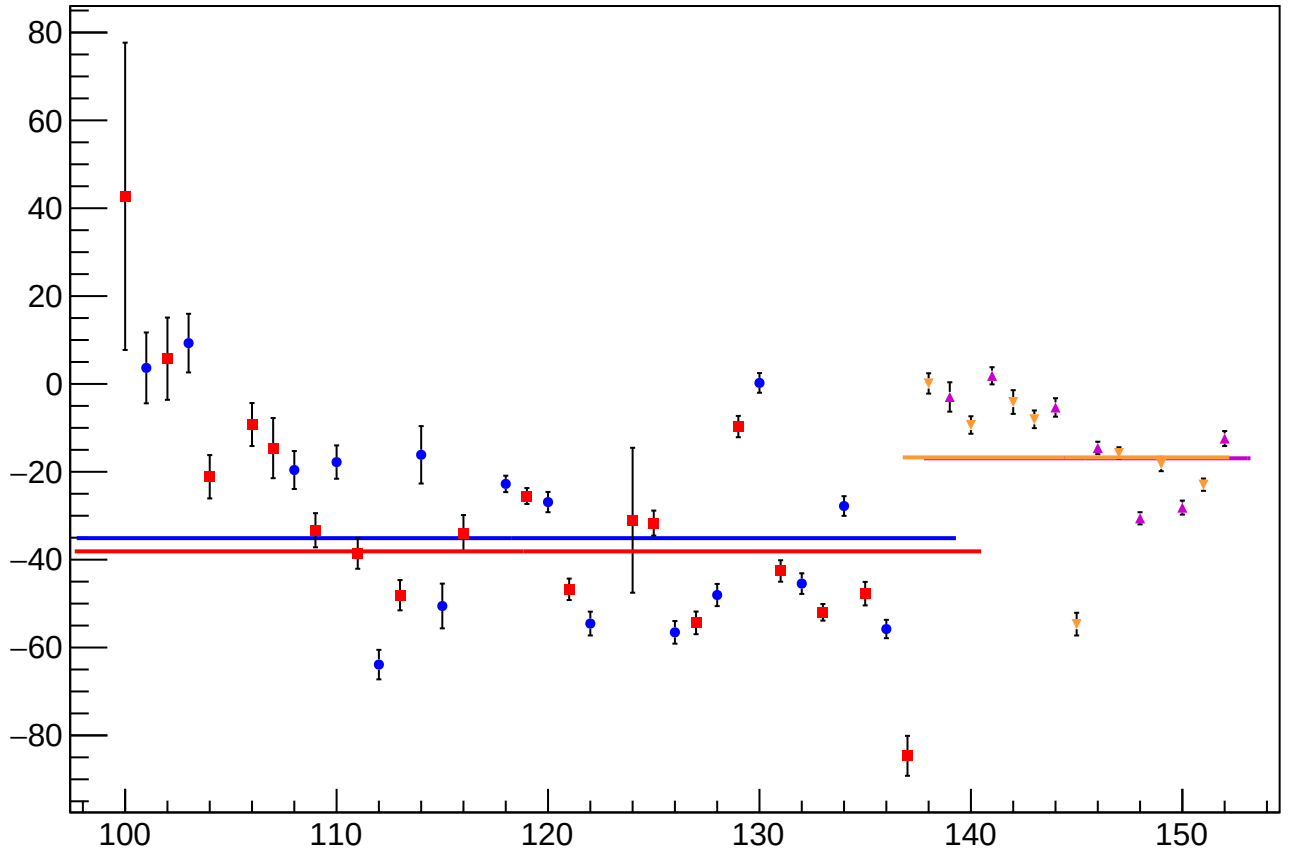
Left: 39.591+/-0.552 χ^2/NDF: 2380.7/14

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 48.861+/-0.520 χ^2/NDF:3454.1/22

Out: 46.849+/-0.523 χ^2/NDF:4964.9/26

All: 47.860+/-0.369 χ^2/NDF: 8426.5/49



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: -16.923+/-0.656 χ^2/NDF:296.2/6

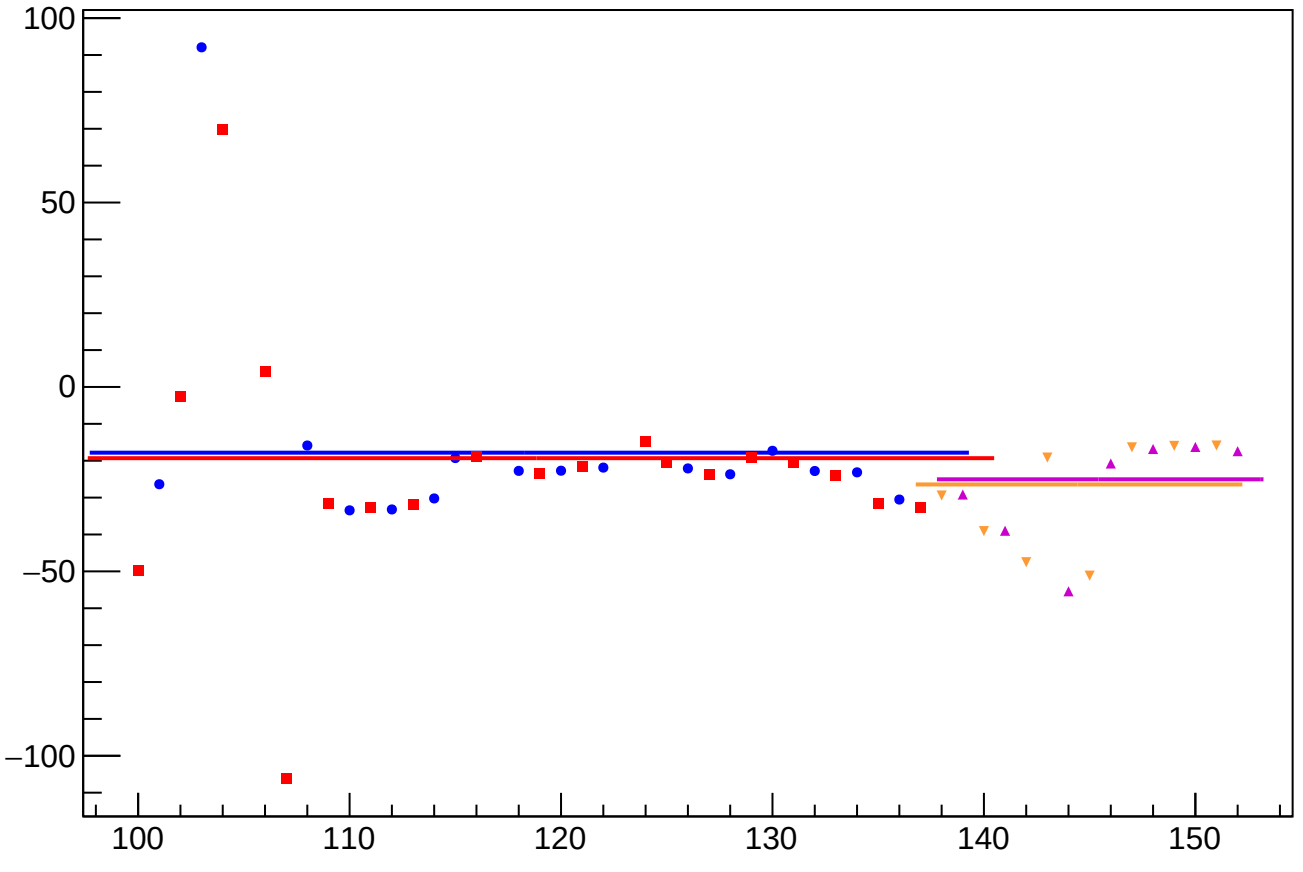
Left: -16.819+/-0.459 χ^2/NDF: 640.2/14

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -25.418+/-0.479 χ^2/NDF:1428.7/22

Out: -26.285+/-0.477 χ^2/NDF:1354.9/26

All: -25.853+/-0.338 χ^2/NDF: 2785.2/49



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: -25.040+/-0.031 χ^2/NDF:135209.4/6

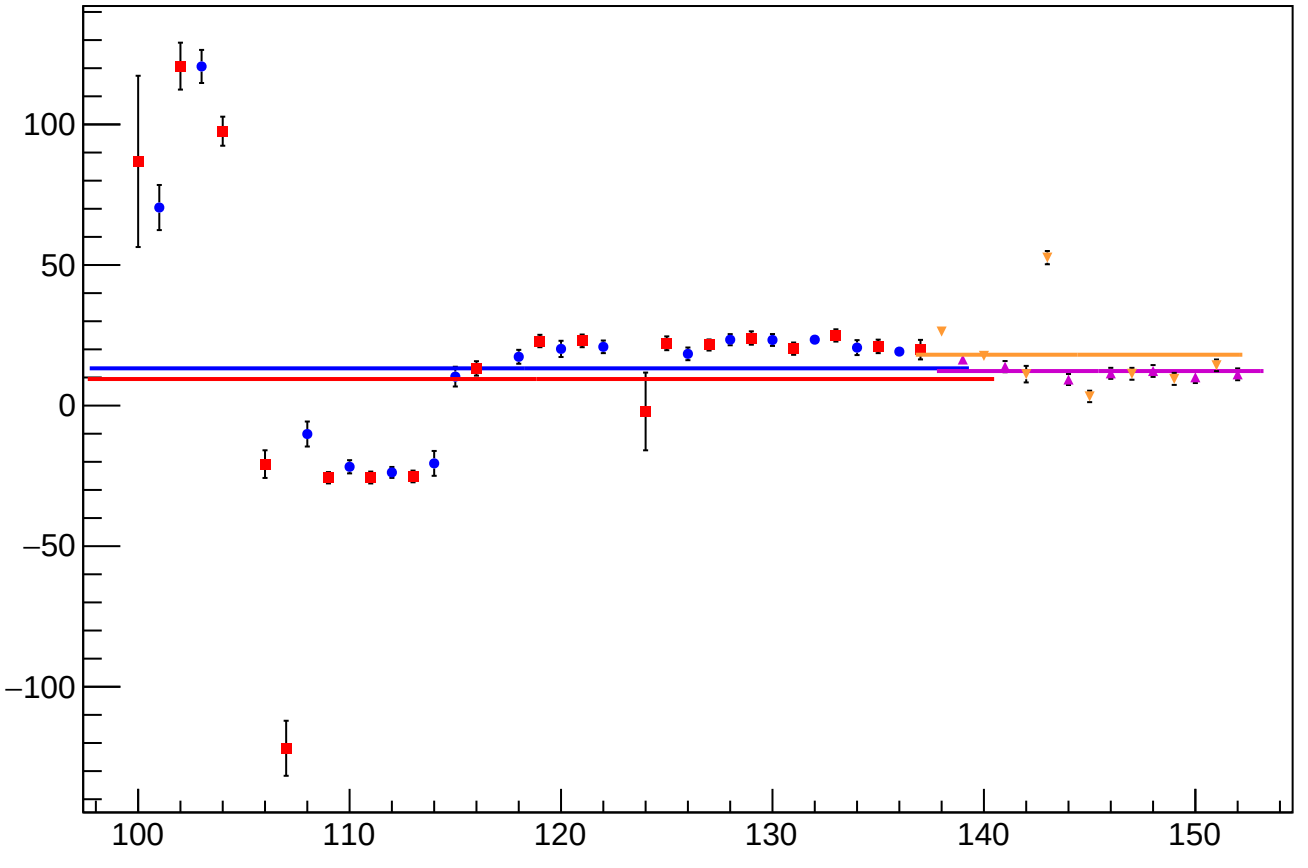
Left: -25.711+/-0.022 χ^2/NDF: 289908.7/14

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -22.589+/-0.025 χ^2/NDF:579756.5/22

Out: -24.100+/-0.026 χ^2/NDF:514415.5/26

All: -23.309+/-0.018 χ^2/NDF: 1095887.3/49



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: 12.287+/-0.745 χ^2/NDF:10.3/6

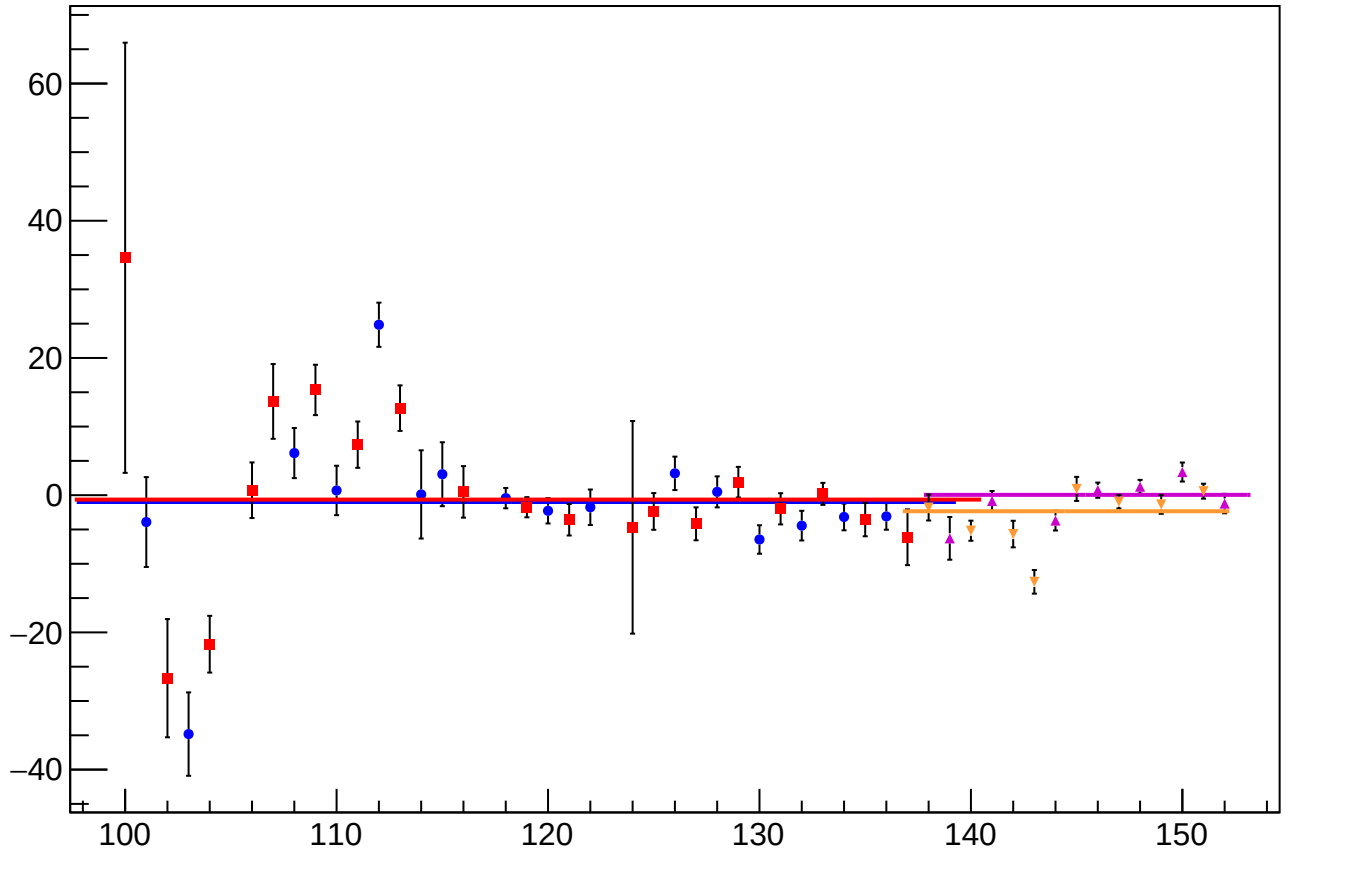
Left: 15.231+/-0.523 χ^2/NDF: 364.8/14

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 12.860+/-0.474 χ^2/NDF:1193.8/22

Out: 13.011+/-0.472 χ^2/NDF:2241.8/26

All: 12.936+/-0.334 χ^2/NDF: 3435.6/49



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: 0.046+/-0.507 χ^2/NDF:19.6/6

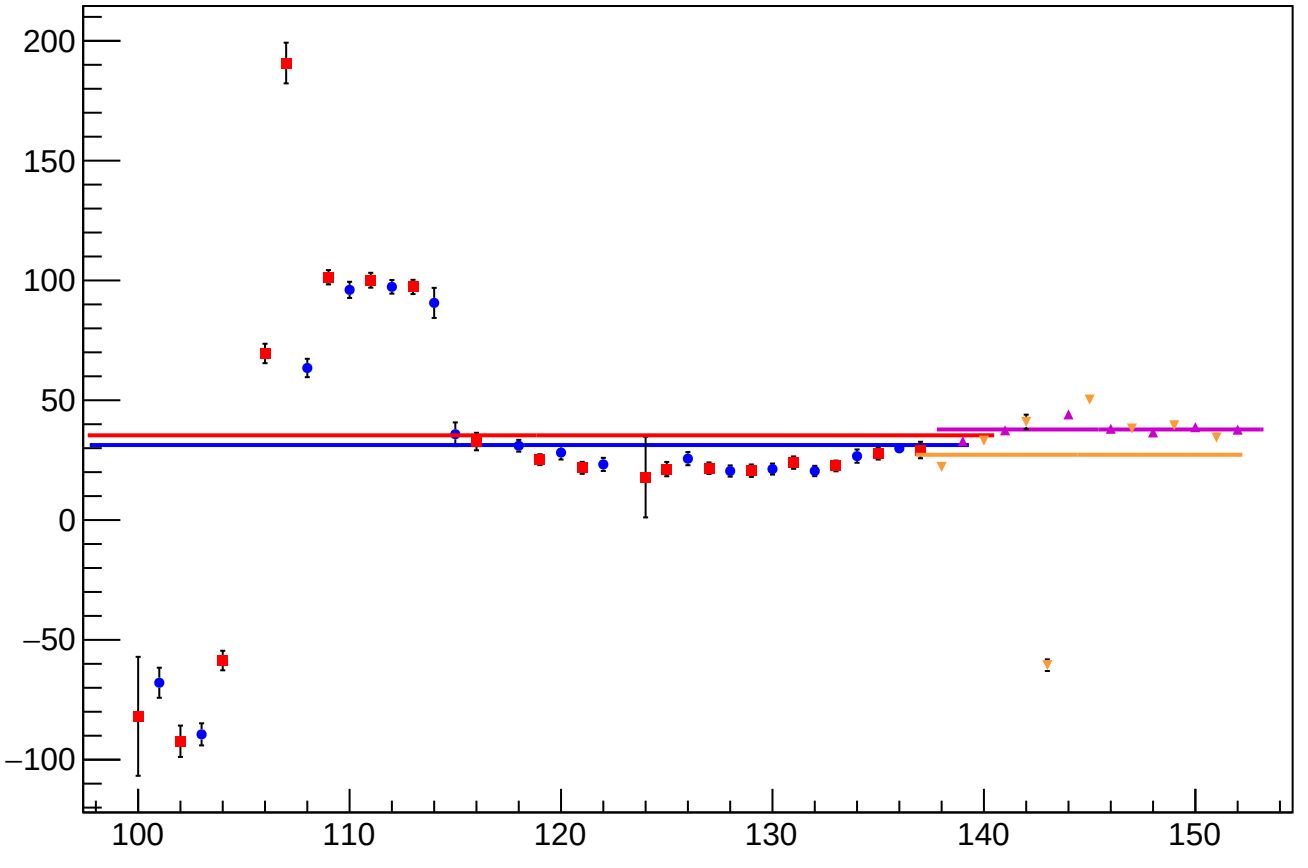
Left: -1.181+/-0.353 χ^2/NDF: 86.9/14

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.371+/-0.392 χ^2/NDF:137.6/22

Out: -1.705+/-0.390 χ^2/NDF:154.6/26

All: -1.042+/-0.276 χ^2/NDF: 298.0/49



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: 37.804+/-0.734 χ^2/NDF:17.8/6

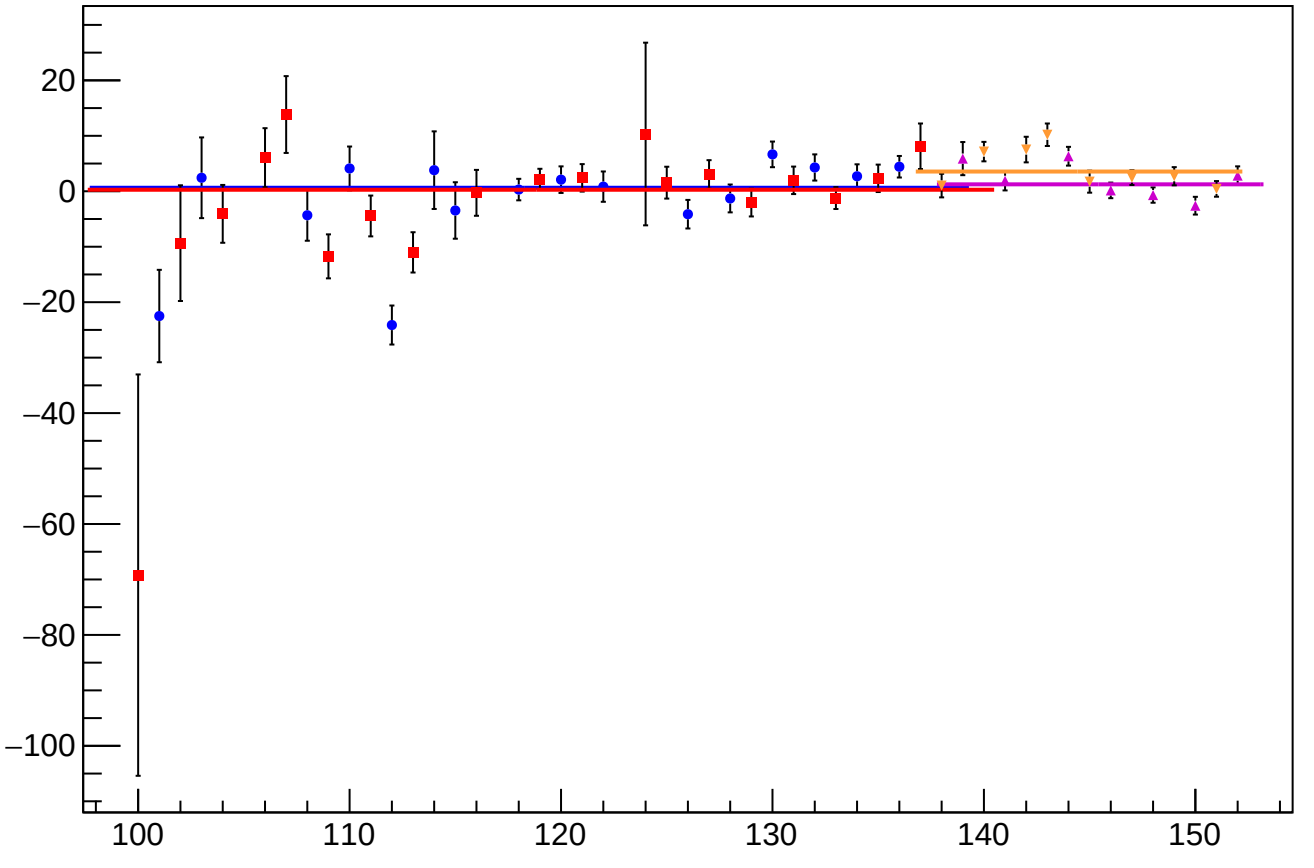
Left: 32.514+/-0.518 χ^2/NDF: 1674.3/14

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 34.406+/-0.507 χ^2/NDF:2144.7/22

Out: 31.391+/-0.512 χ^2/NDF:4513.1/26

All: 32.914+/-0.360 χ^2/NDF: 6675.4/49



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: 1.251+/-0.624 χ^2/NDF:20.8/6

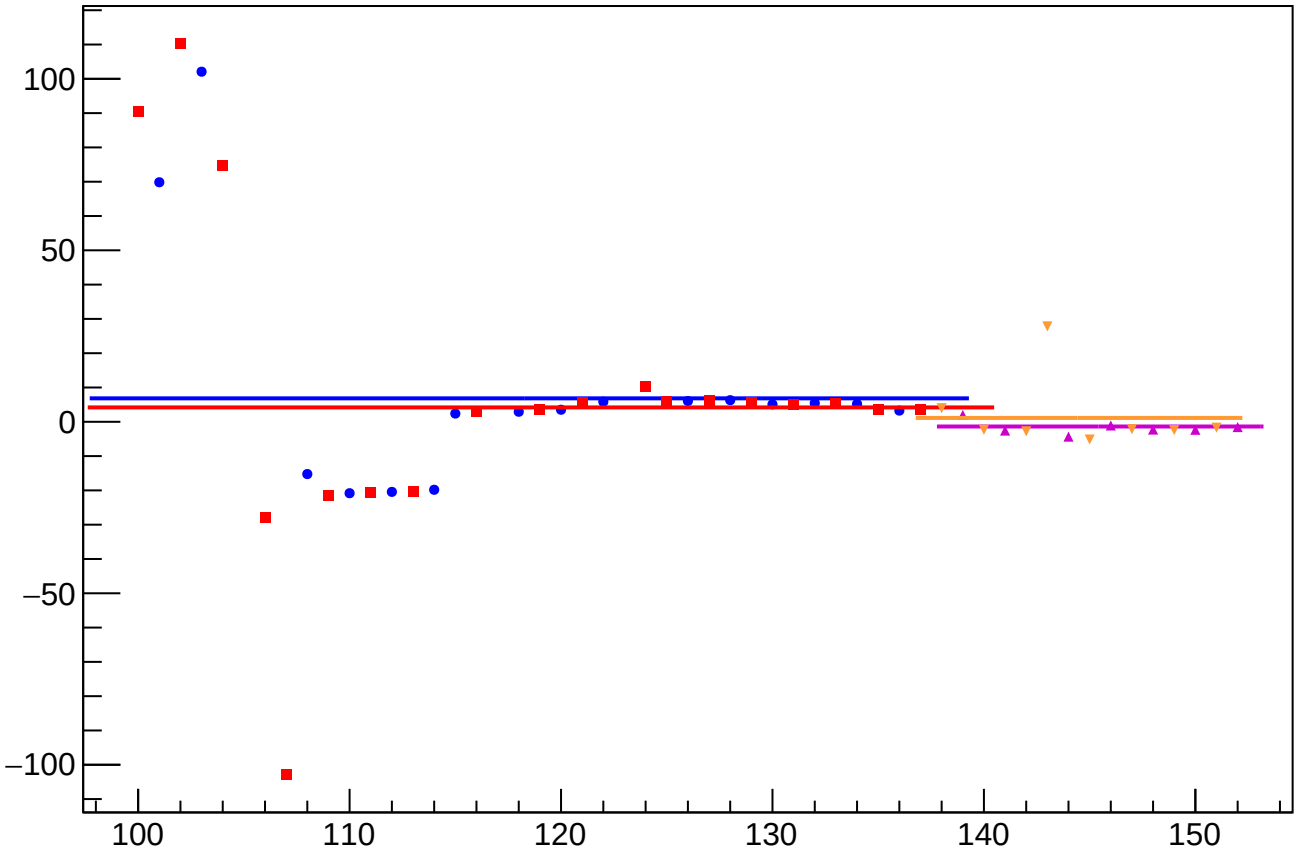
Left: 2.426+/-0.437 χ^2/NDF: 53.7/14

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 0.979+/-0.467 χ^2/NDF:99.6/22

Out: 2.194+/-0.468 χ^2/NDF:78.4/26

All: 1.585+/-0.331 χ^2/NDF: 181.4/49



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: -1.373+/-0.029 χ^2/NDF:4330.1/6

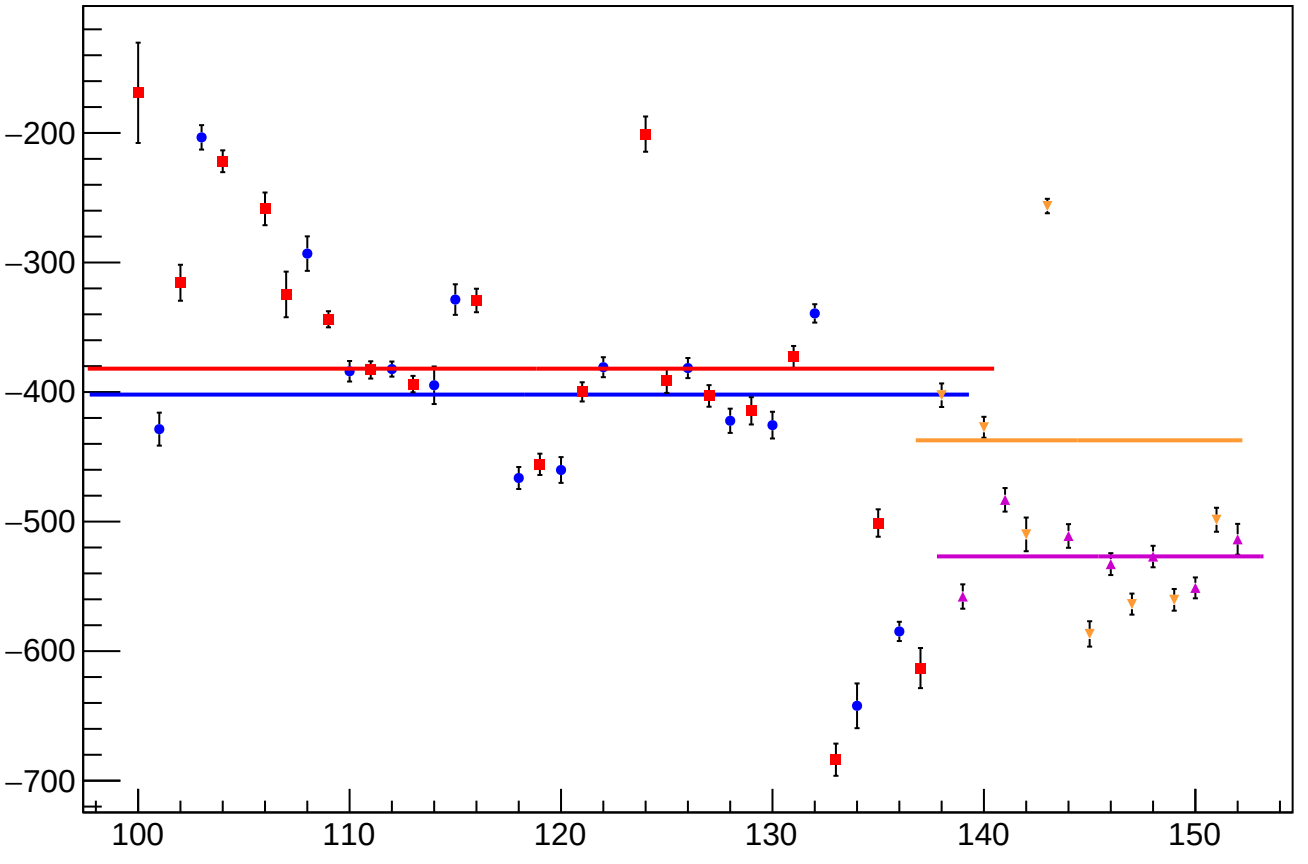
Left: -0.169+/-0.021 χ^2/NDF: 92908.1/14

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 1.218+/-0.024 χ^2/NDF:350419.5/22

Out: 2.039+/-0.025 χ^2/NDF:522646.8/26

All: 1.609+/-0.017 χ^2/NDF: 873618.9/49



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: -526.865+/-3.402 χ^2/NDF:47.7/6

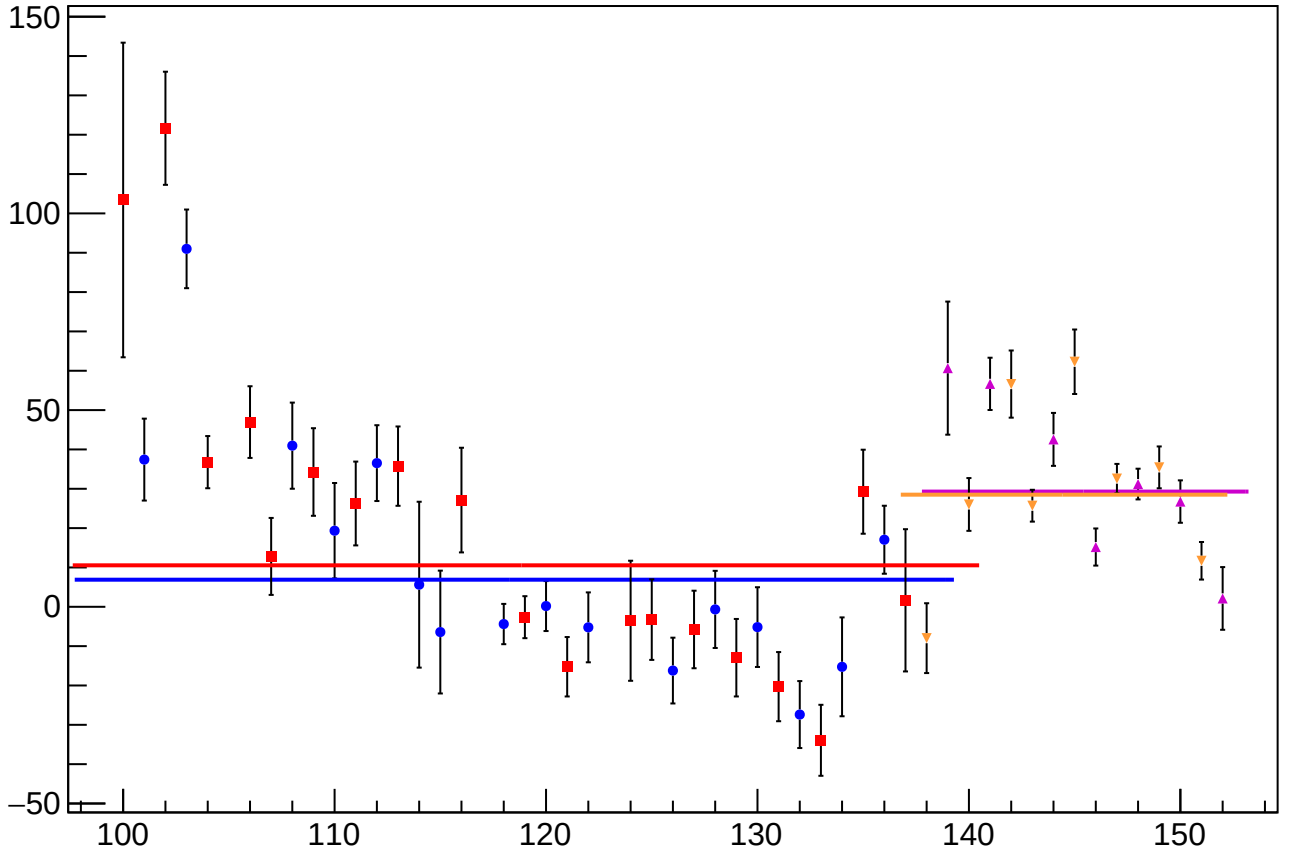
Left: -475.351+/-2.218 χ^2/NDF: 2276.7/14

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -439.635+/-1.869 χ^2/NDF:2552.1/22

Out: -401.046+/-1.719 χ^2/NDF:3881.7/26

All: -418.734+/-1.265 χ^2/NDF: 6664.9/49



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: 29.288+/-2.188 χ^2/NDF:45.3/6

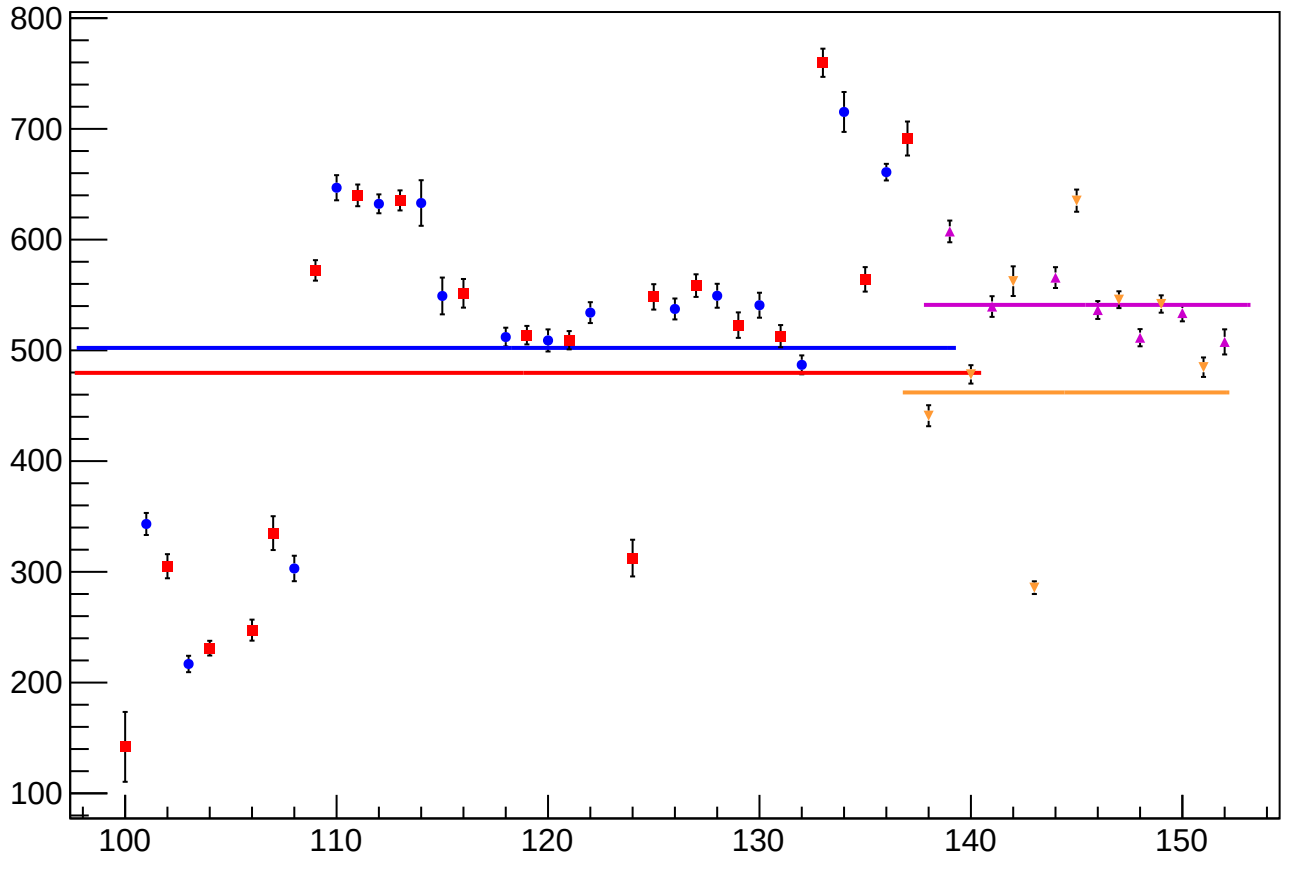
Left: 28.842+/-1.437 χ^2/NDF: 106.0/14

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 18.472+/-1.573 χ^2/NDF:234.4/22

Out: 20.794+/-1.439 χ^2/NDF:278.8/26

All: 19.736+/-1.062 χ^2/NDF: 514.4/49



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: 541.065+/-3.324 χ^2/NDF:77.2/6

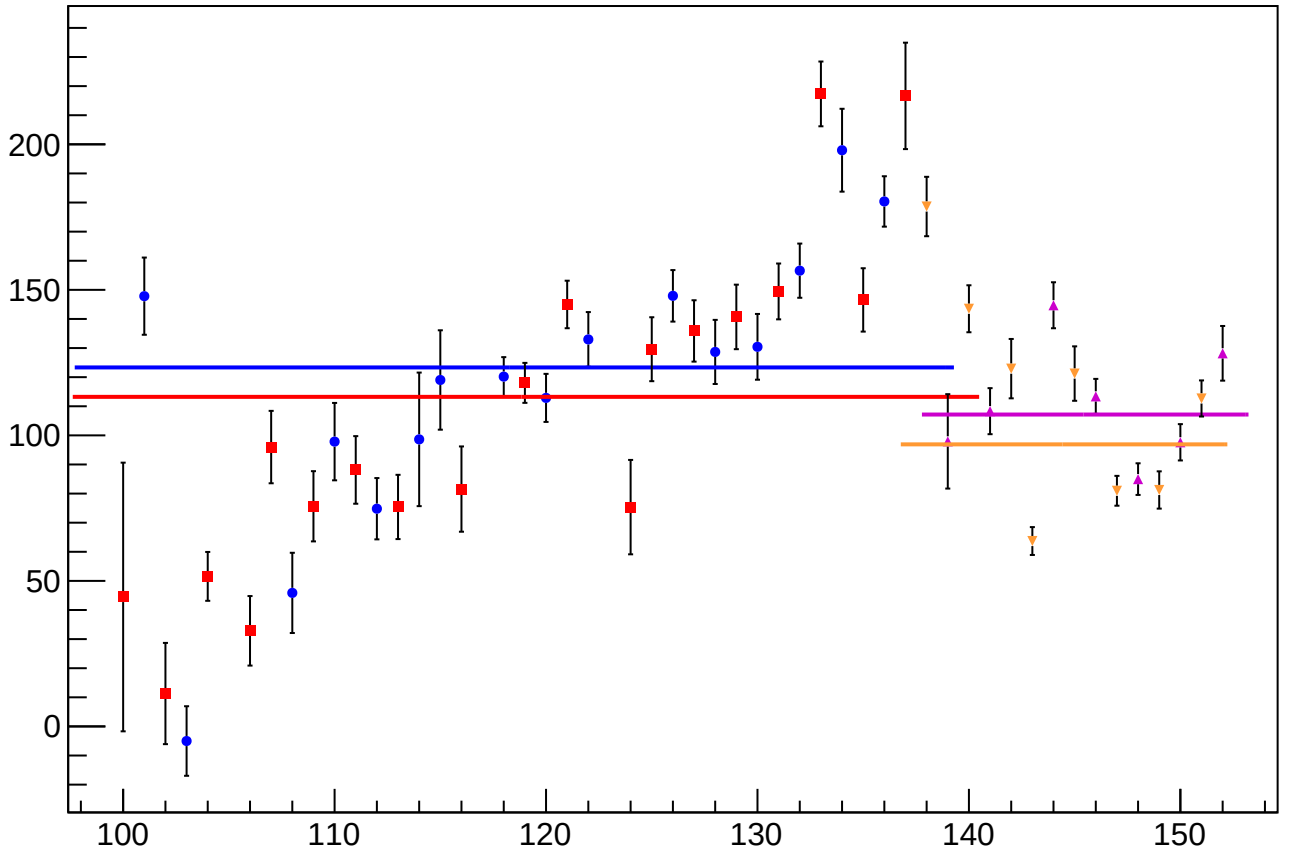
Left: 496.310+/-2.189 χ^2/NDF: 1935.9/14

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 516.200+/-1.994 χ^2/NDF:3299.8/22

Out: 472.525+/-1.851 χ^2/NDF:5698.9/26

All: 492.741+/-1.357 χ^2/NDF: 9256.3/49



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: 107.160+/-2.728 χ^2/NDF:48.0/6

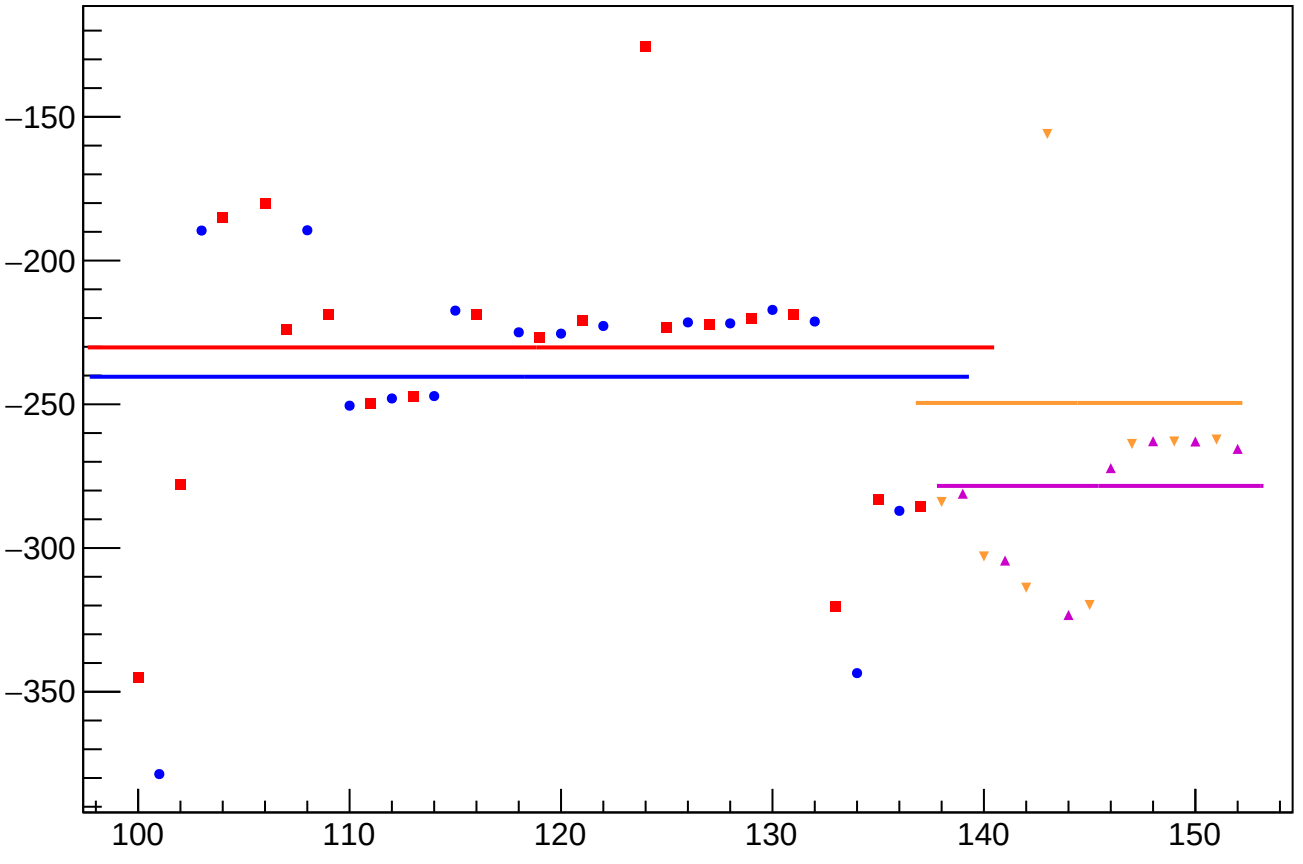
Left: 101.319+/-1.789 χ^2/NDF: 237.1/14

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 115.557+/-1.892 χ^2/NDF:337.6/22

Out: 104.492+/-1.734 χ^2/NDF:548.8/26

All: 109.543+/-1.279 χ^2/NDF: 905.0/49



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: -278.386+/-0.134 χ^2/NDF:22360.7/6

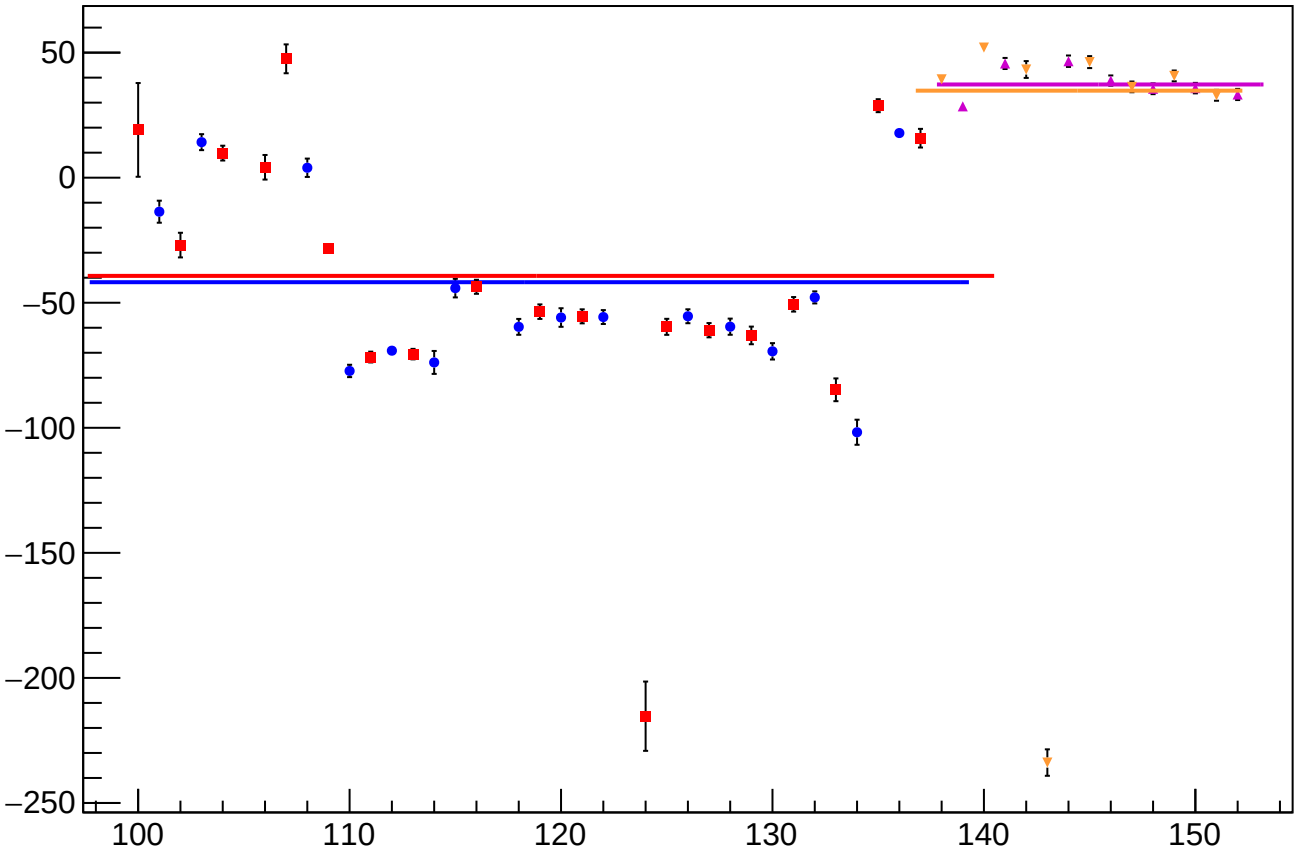
Left: -262.592+/-0.090 χ^2/NDF: 279290.7/14

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -261.624+/-0.100 χ^2/NDF:192022.2/22

Out: -241.634+/-0.094 χ^2/NDF:325223.3/26

All: -250.966+/-0.068 χ^2/NDF: 538520.3/49



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: 37.266+/-0.804 χ^2/NDF:56.5/6

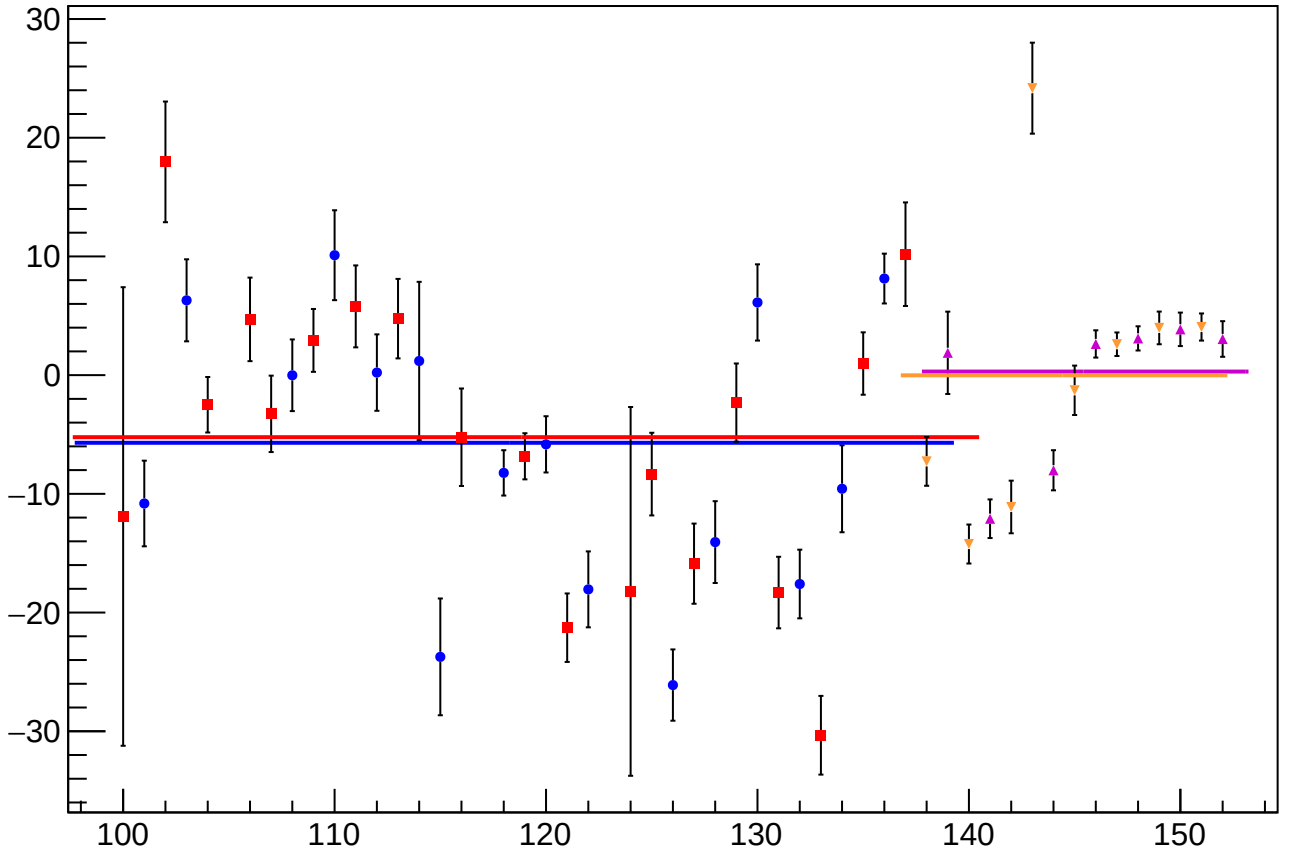
Left: 36.063+/-0.576 χ^2/NDF: 2760.4/14

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: -6.436+/-0.538 χ^2/NDF:7806.4/22

Out: -9.387+/-0.525 χ^2/NDF:9967.5/26

All: -7.947+/-0.376 χ^2/NDF: 17789.3/49



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: 0.301+/-0.536 χ^2/NDF:103.7/6

Left: 0.144+/-0.381 χ^2/NDF: 284.6/14

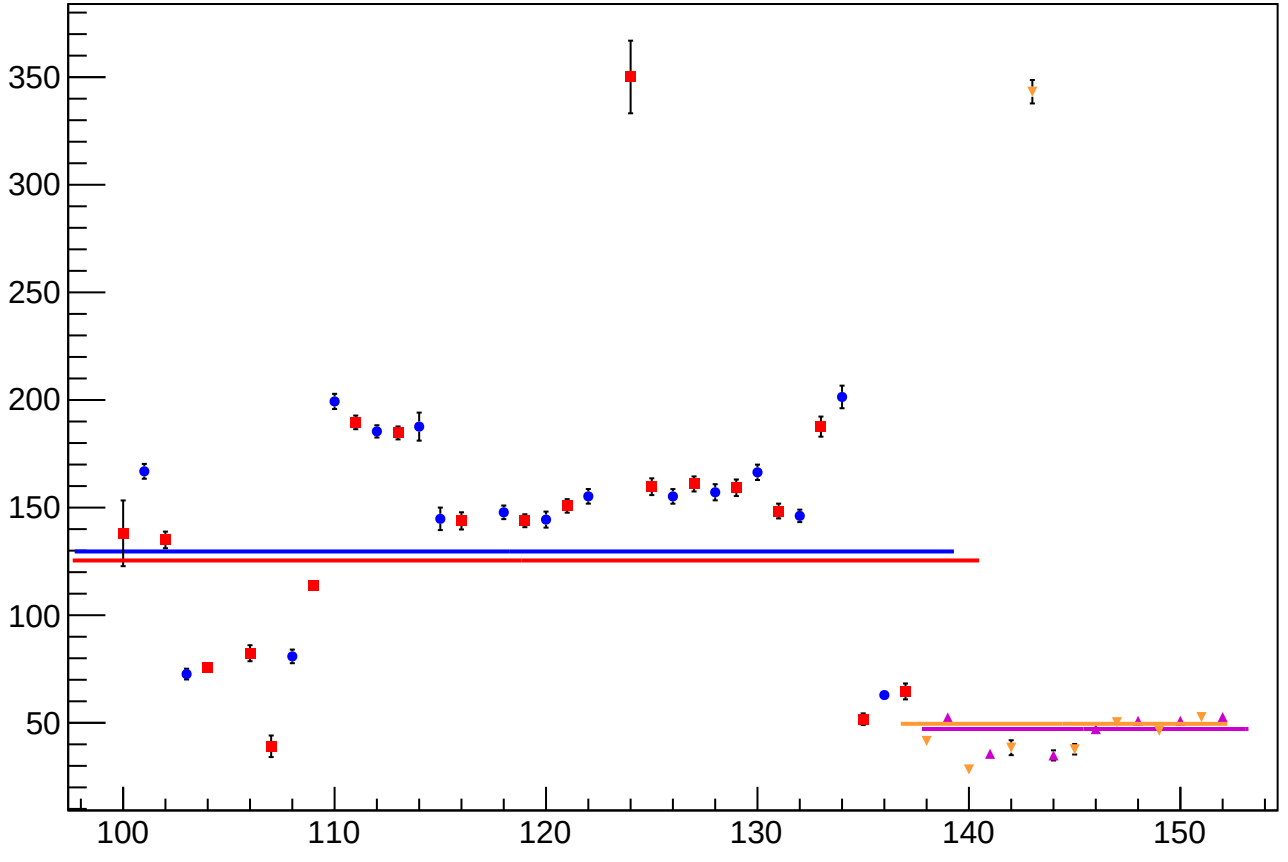
Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -1.718+/-0.437 χ^2/NDF:342.6/22

Out: -1.829+/-0.436 χ^2/NDF:410.4/26

All: -1.773+/-0.309 χ^2/NDF: 753.0/49

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 47.138+/-0.788 χ^2/NDF:74.1/6

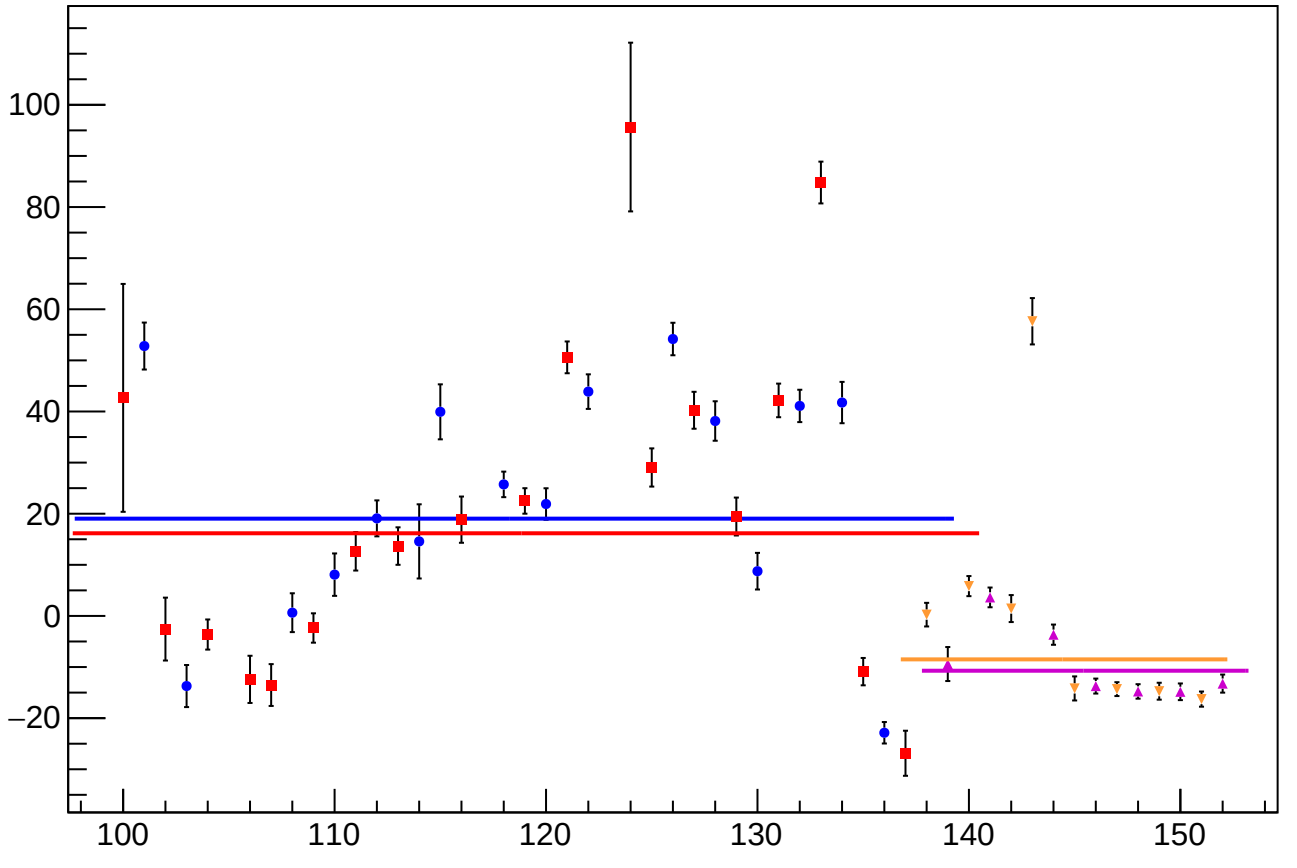
Left: 48.298+/-0.567 χ^2/NDF: 3158.3/14

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 87.741+/-0.562 χ^2/NDF:9087.6/22

Out: 88.751+/-0.568 χ^2/NDF:11046.0/26

All: 88.241+/-0.399 χ^2/NDF: 20135.2/49



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: -10.720+/-0.663 χ^2/NDF:88.9/6

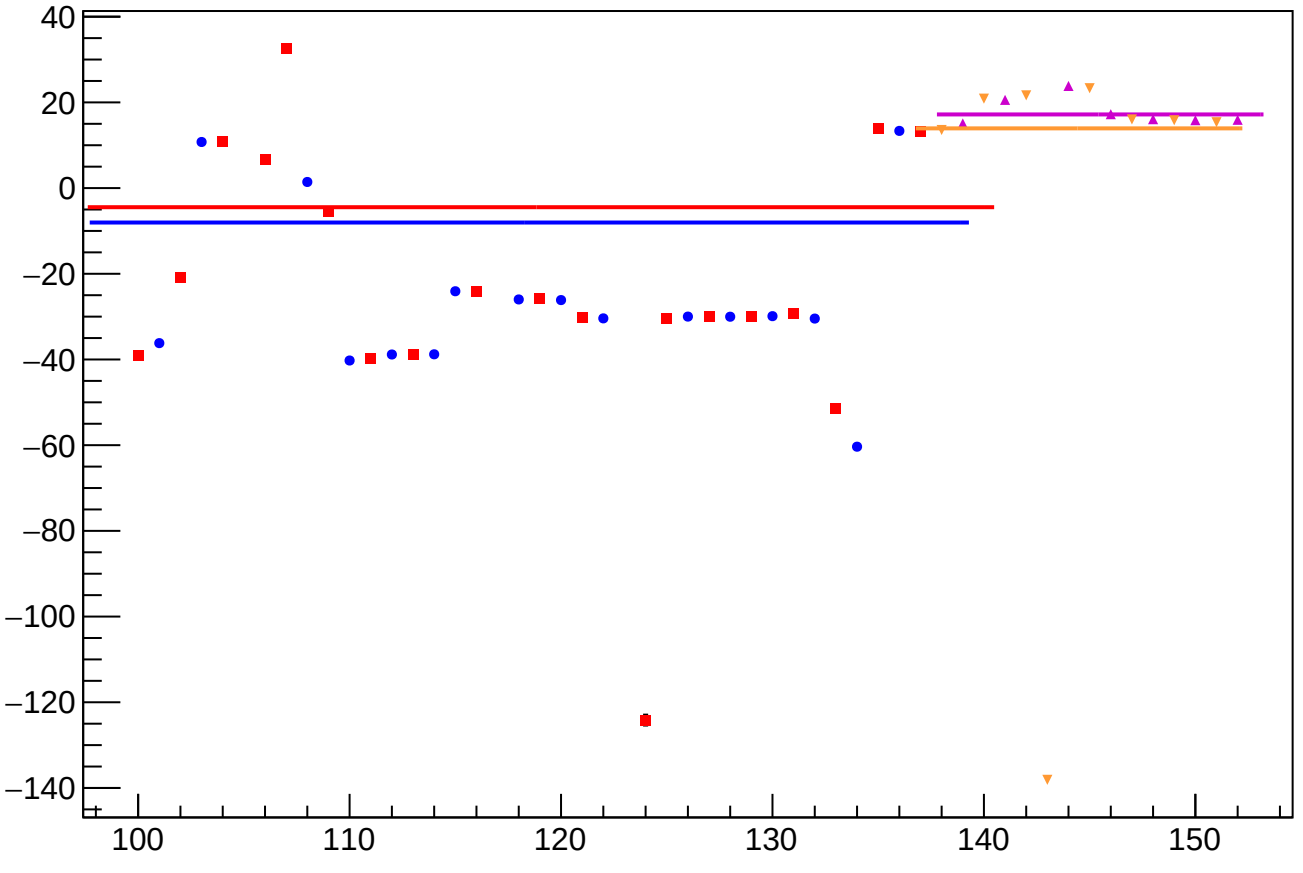
Left: -9.633+/-0.474 χ^2/NDF: 454.8/14

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 0.376+/-0.525 χ^2/NDF:1697.8/22

Out: 1.133+/-0.529 χ^2/NDF:1820.3/26

All: 0.752+/-0.373 χ^2/NDF: 3519.1/49



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: 17.189+/-0.031 χ^2/NDF:6939.5/6

Left: 15.686+/-0.023 χ^2/NDF: 482382.3/14

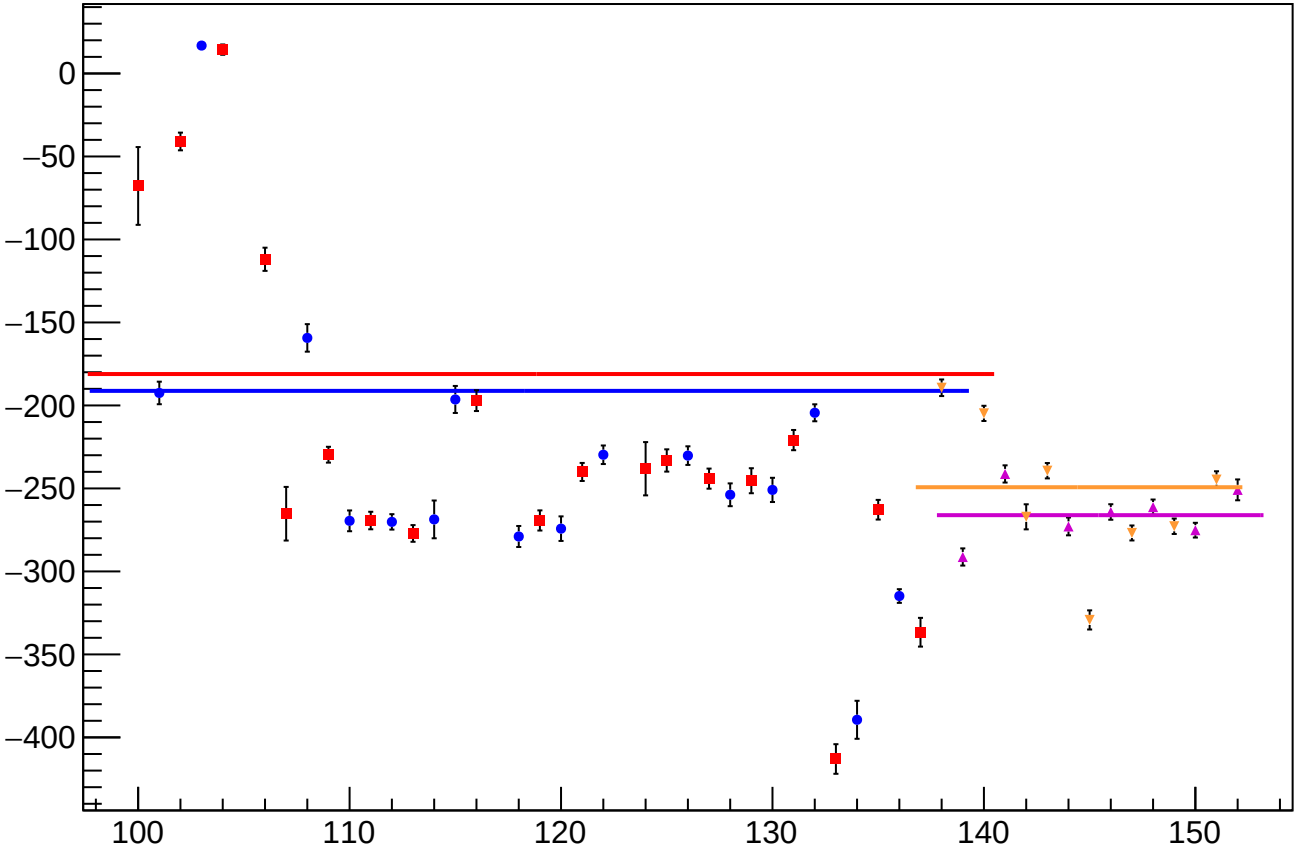
Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 9.181+/-0.026 χ^2/NDF:481649.8/22

Out: 7.648+/-0.027 χ^2/NDF:800568.7/26

All: 8.459+/-0.019 χ^2/NDF: 1283880.5/49

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -249.277+/-1.777 χ^2/NDF:504.1/7

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -266.110+/-1.893 χ^2/NDF:59.5/6

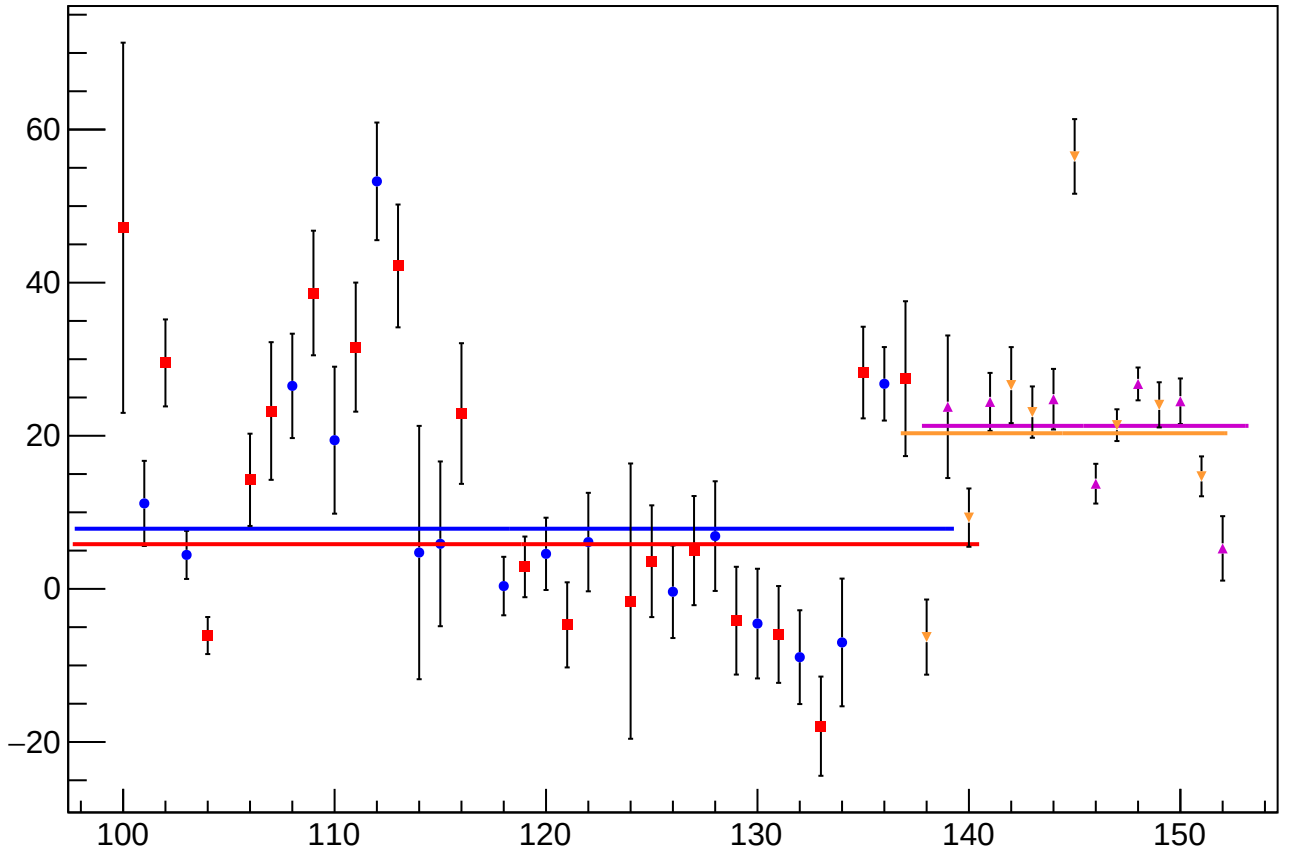
Left: -257.163+/-1.295 χ^2/NDF: 605.7/14

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -218.162+/-1.135 χ^2/NDF:8286.6/22

Out: -206.795+/-1.091 χ^2/NDF:8795.6/26

All: -212.254+/-0.787 χ^2/NDF: 17134.3/49



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: 21.294+/-1.212 χ^2/NDF:32.2/6

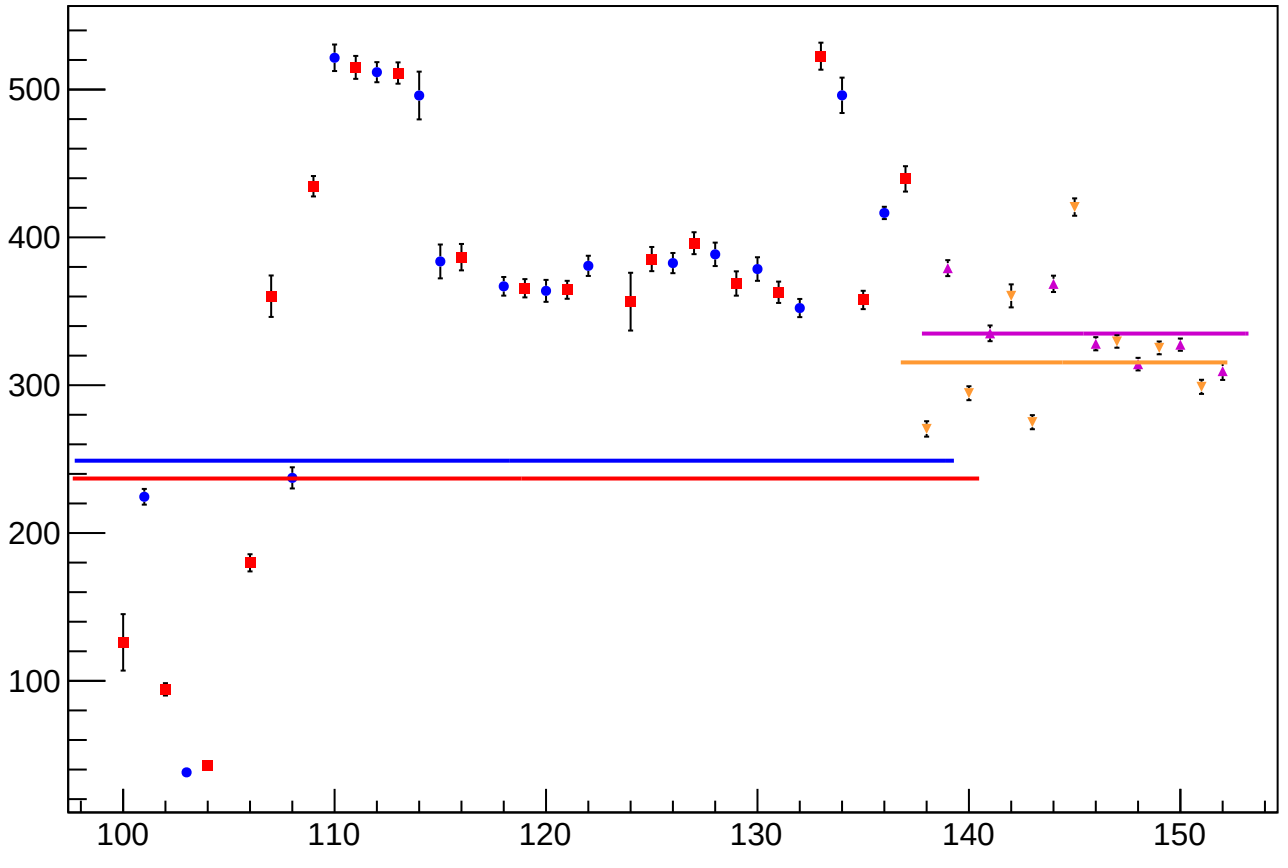
Left: 20.780+/-0.828 χ^2/NDF: 134.1/14

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 15.713+/-0.927 χ^2/NDF:164.1/22

Out: 14.359+/-0.870 χ^2/NDF:310.7/26

All: 14.993+/-0.634 χ^2/NDF: 475.9/49



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: 334.925+/-1.846 χ^2/NDF:151.3/6

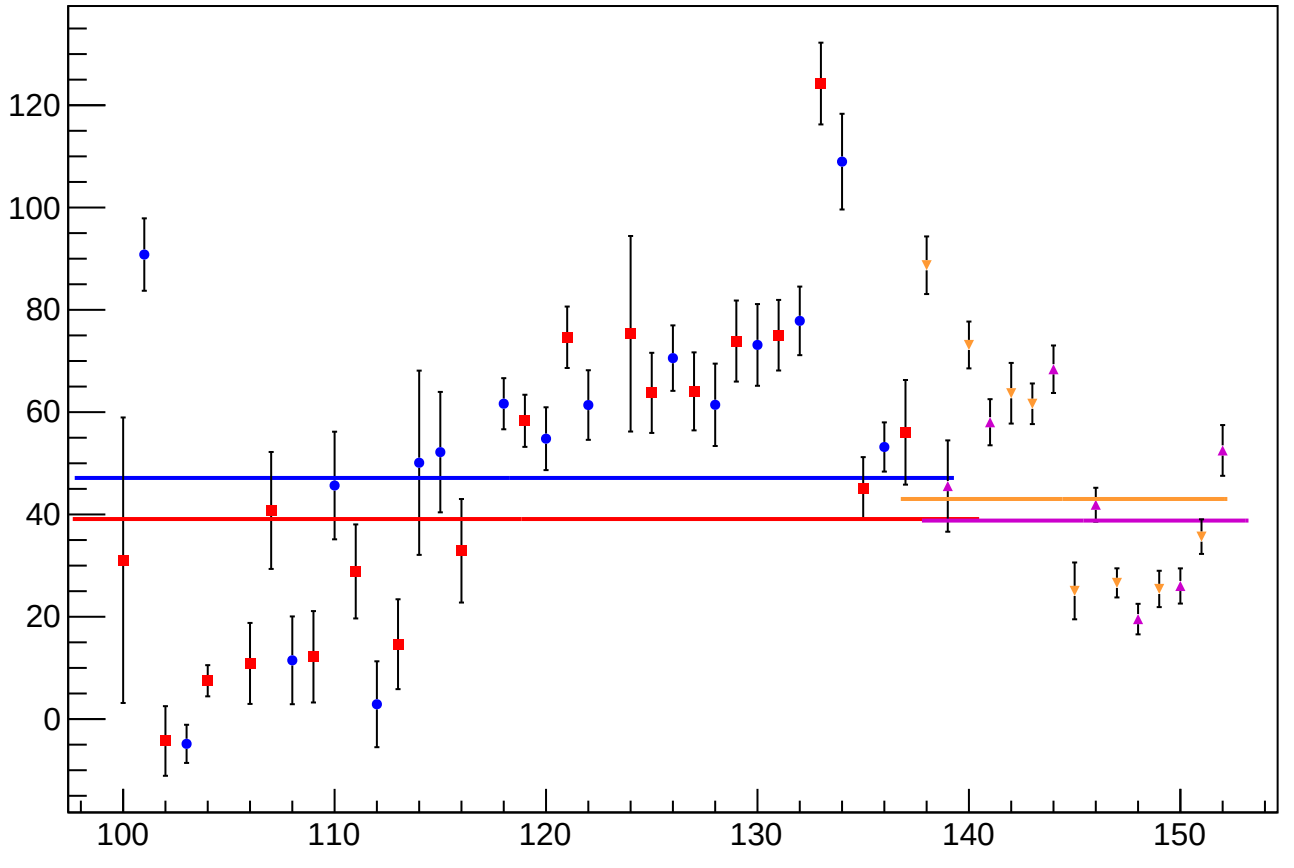
Left: 324.680+/-1.272 χ^2/NDF: 756.5/14

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 280.948+/-1.126 χ^2/NDF:16815.6/22

Out: 267.582+/-1.098 χ^2/NDF:17422.9/26

All: 274.093+/-0.786 χ^2/NDF: 34310.7/49



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: 38.803+/-1.513 χ^2/NDF:123.3/6

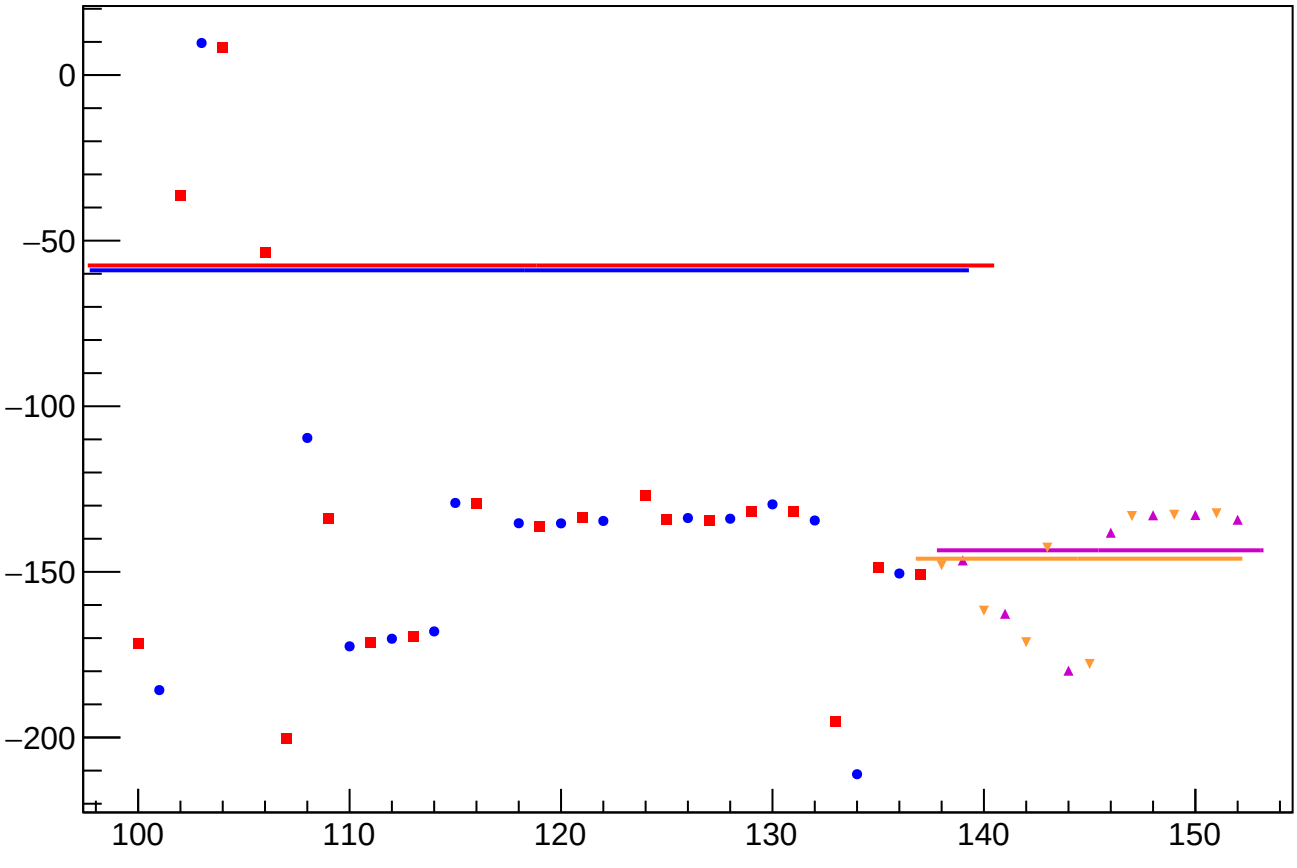
Left: 41.044+/-1.037 χ^2/NDF: 343.5/14

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 42.567+/-1.121 χ^2/NDF:522.3/22

Out: 41.289+/-1.062 χ^2/NDF:635.9/26

All: 41.894+/-0.771 χ^2/NDF: 1158.9/49



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: -143.490+/-0.074 χ^2/NDF:39843.1/6

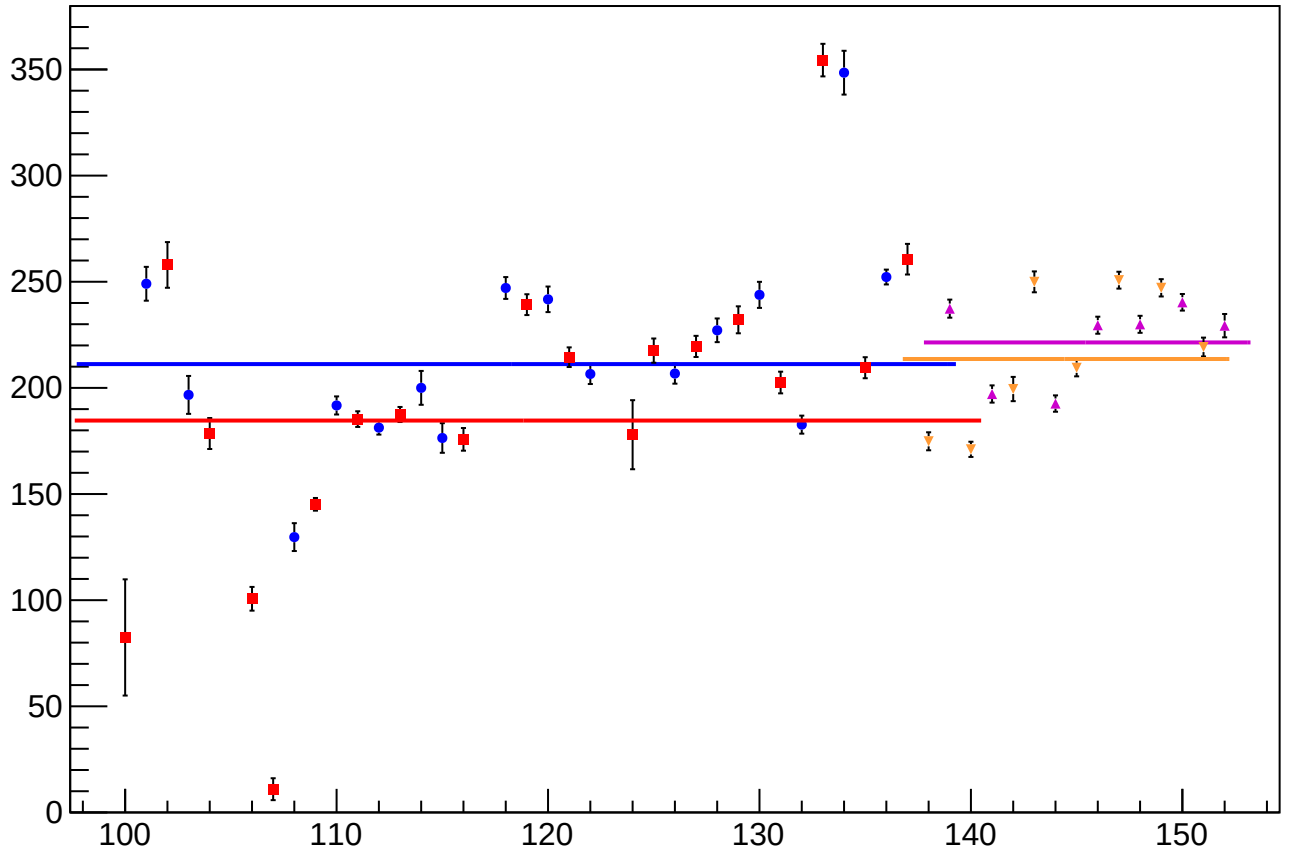
Left: -144.766+/-0.052 χ^2/NDF: 86435.9/14

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -100.345+/-0.052 χ^2/NDF:1930608.5/22

Out: -102.242+/-0.052 χ^2/NDF:1635554.3/26

All: -101.287+/-0.037 χ^2/NDF: 3566827.3/49



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: 221.410+/-1.569 χ^2/NDF:139.7/6

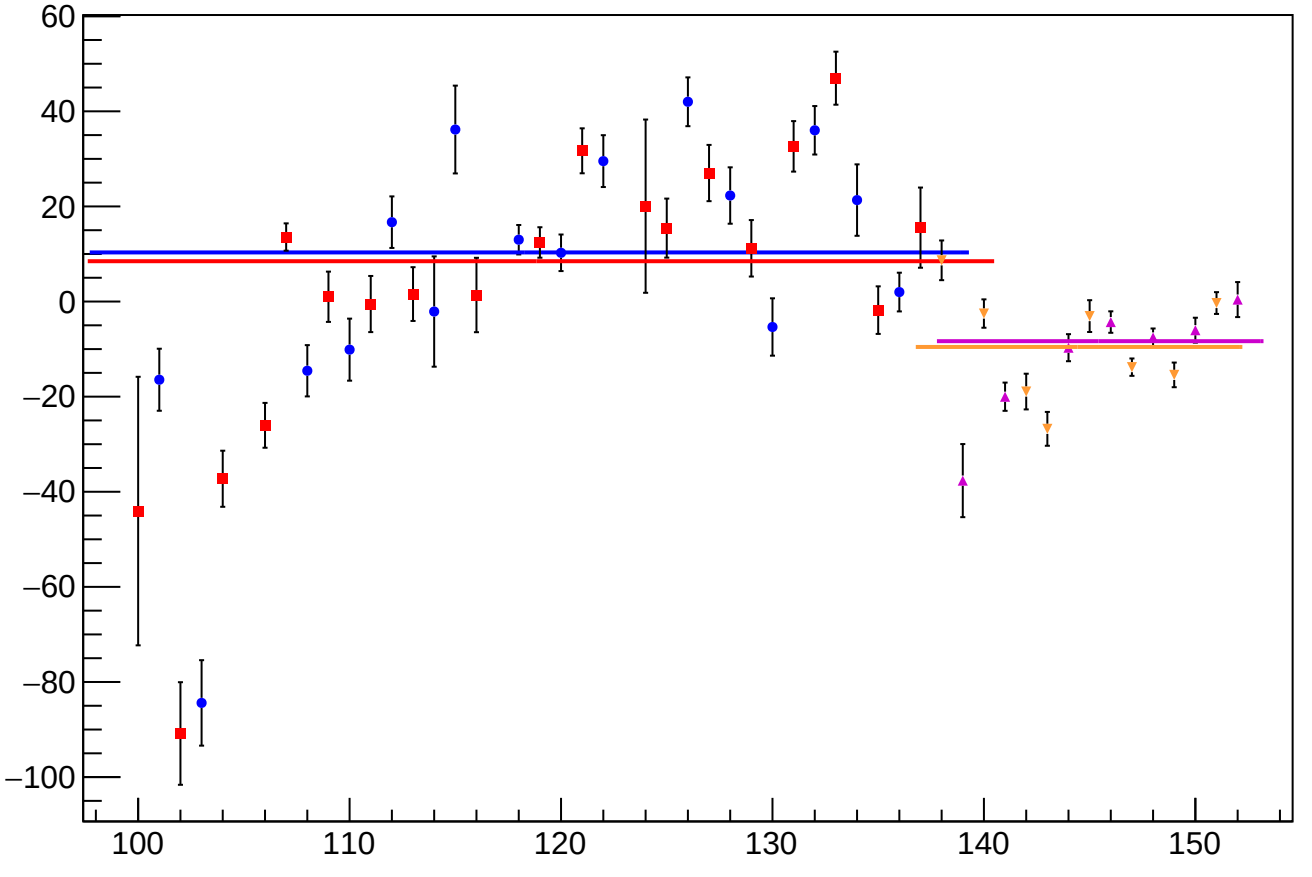
Left: 217.350+/-1.086 χ^2/NDF: 595.2/14

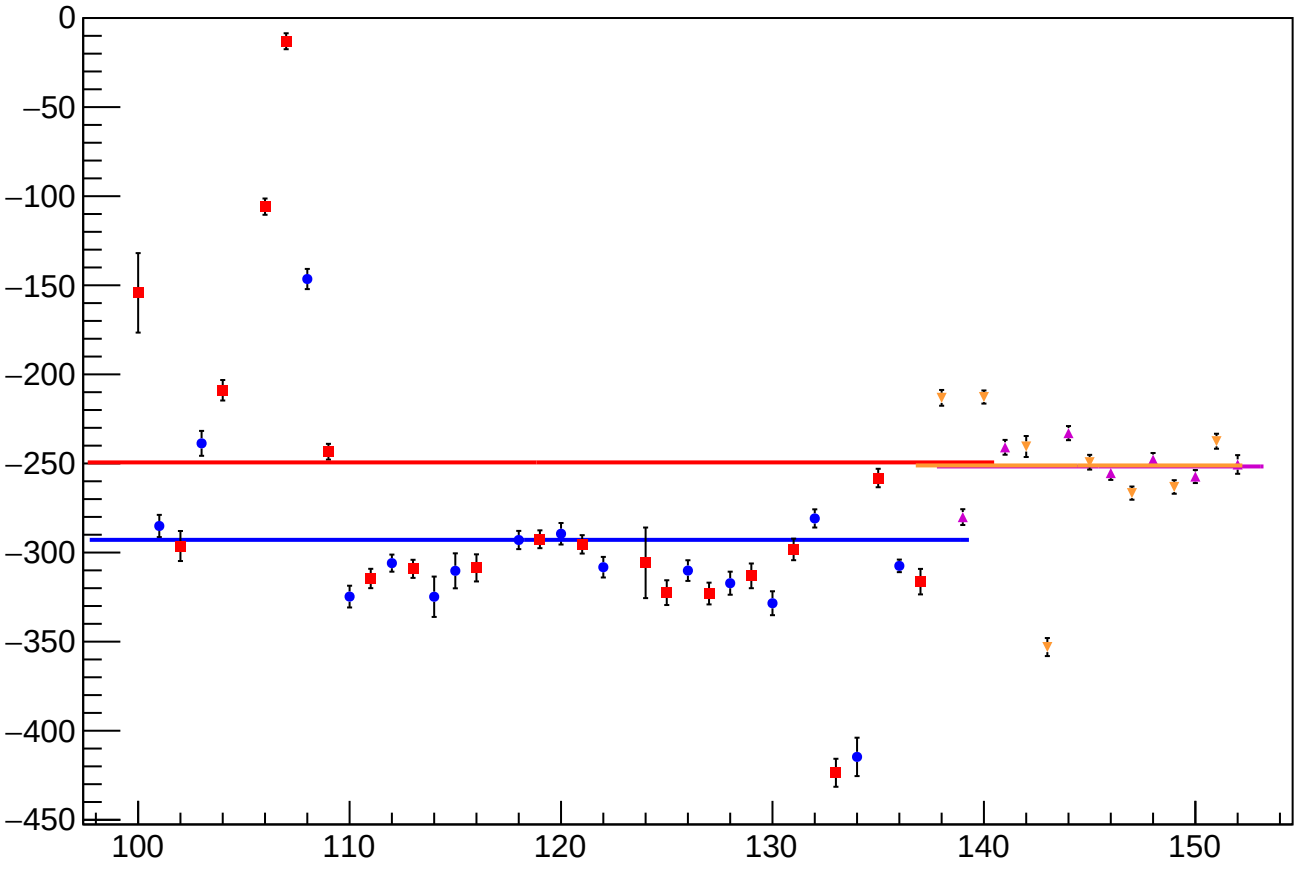
Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 215.345+/-0.999 χ^2/NDF:947.9/22

Out: 195.808+/-0.935 χ^2/NDF:3210.7/26

All: 204.935+/-0.683 χ^2/NDF: 4362.3/49


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: -8.334+/-1.026 χ²/NDF:40.0/6
Left: -8.972+/-0.707 χ²/NDF: 125.5/14
Right: 9.326+/-0.902 χ²/NDF: 586.7/34
In: -1.392+/-0.813 χ²/NDF:426.5/22
Out: -2.540+/-0.764 χ²/NDF:539.6/26
All: -2.002+/-0.557 χ²/NDF: 967.1/49



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: -251.682+/-1.539 χ^2/NDF:74.3/6

Left: -251.388+/-1.071 χ^2/NDF: 703.1/14

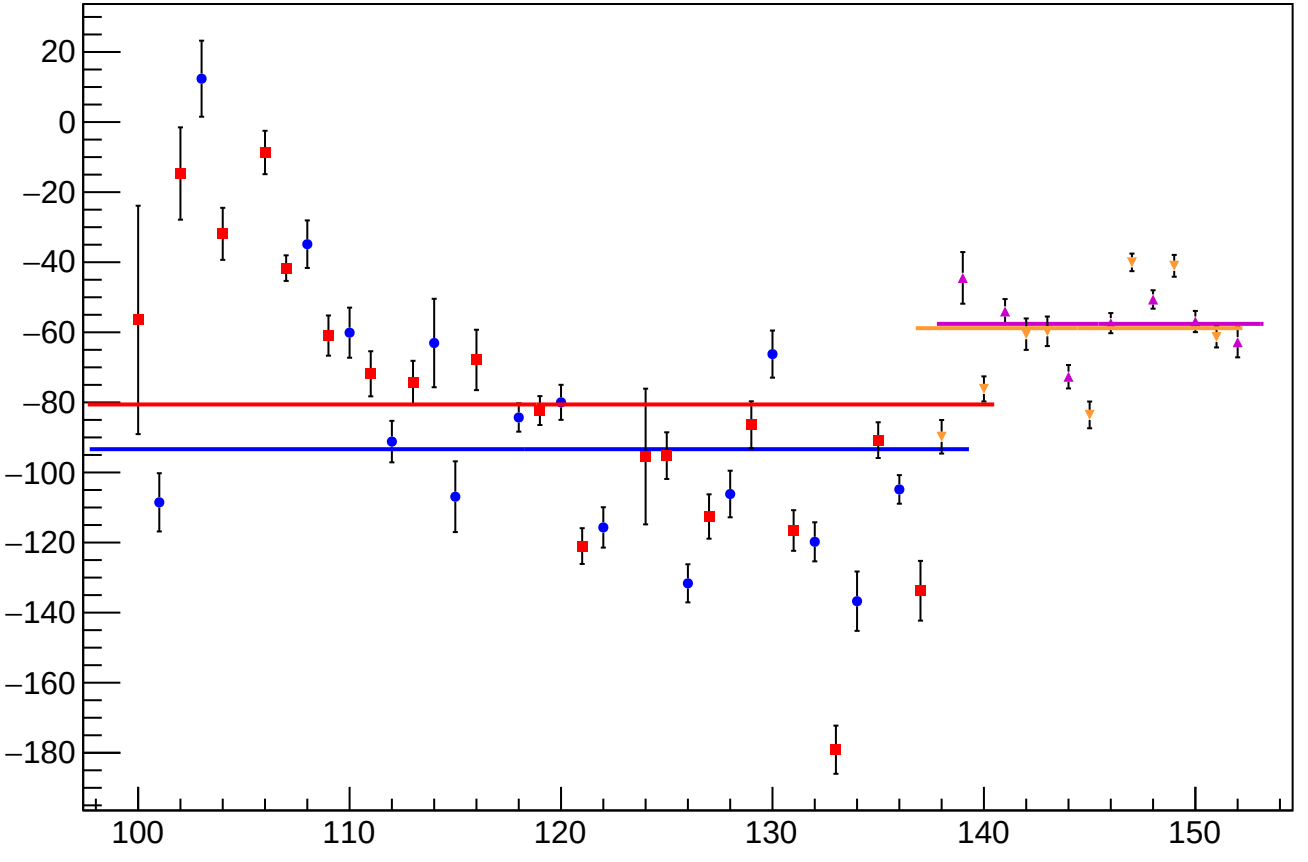
Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -273.253+/-1.062 χ^2/NDF:1433.1/22

Out: -250.186+/-1.009 χ^2/NDF:5997.9/26

All: -261.127+/-0.731 χ^2/NDF: 7679.0/49

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -58.822+/-1.221 χ^2/NDF:197.0/7

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -57.592+/-1.273 χ^2/NDF:33.2/6

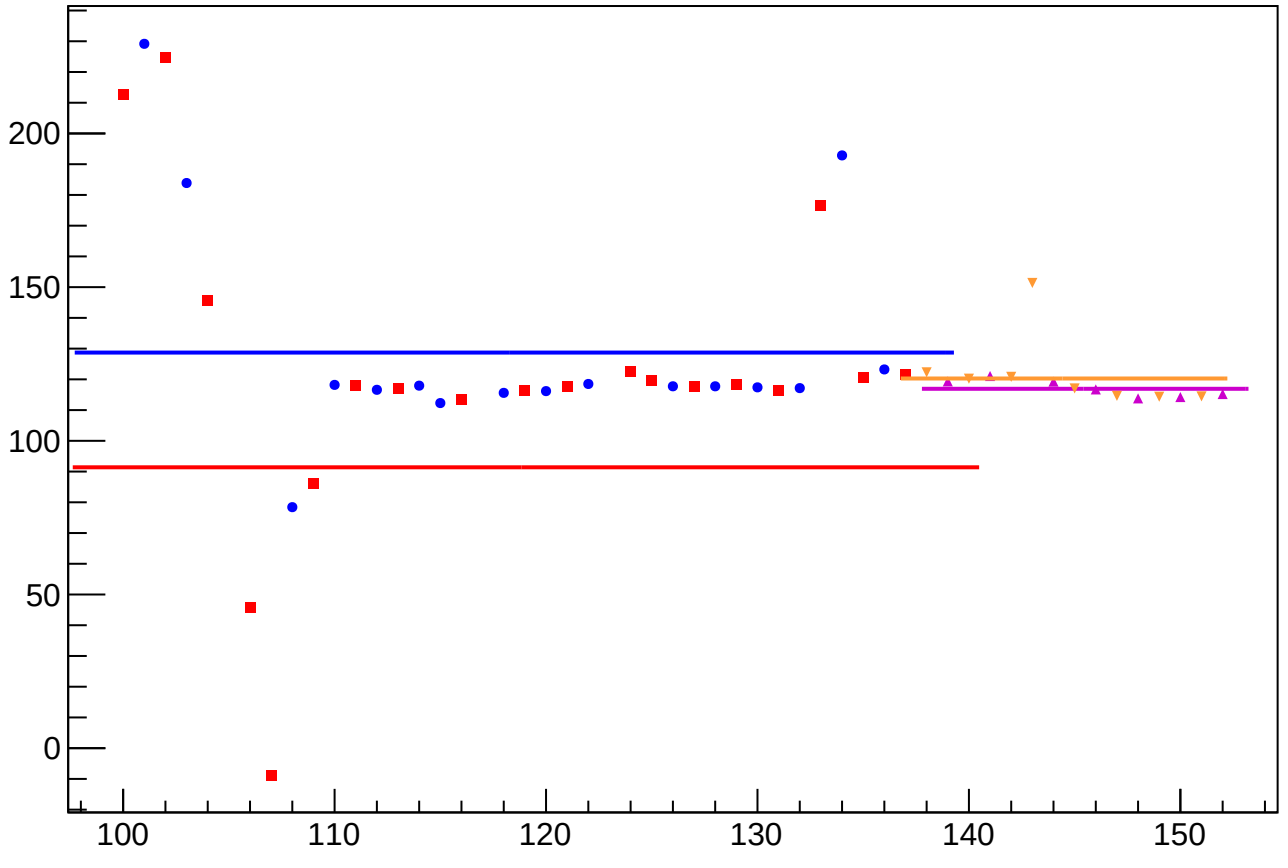
Left: -58.233+/-0.881 χ^2/NDF: 230.7/14

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -72.176+/-0.980 χ^2/NDF:710.3/22

Out: -68.044+/-0.927 χ^2/NDF:1047.1/26

All: -69.995+/-0.673 χ^2/NDF: 1766.7/49



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: 116.927+/-0.062 χ^2/NDF:1831.2/6

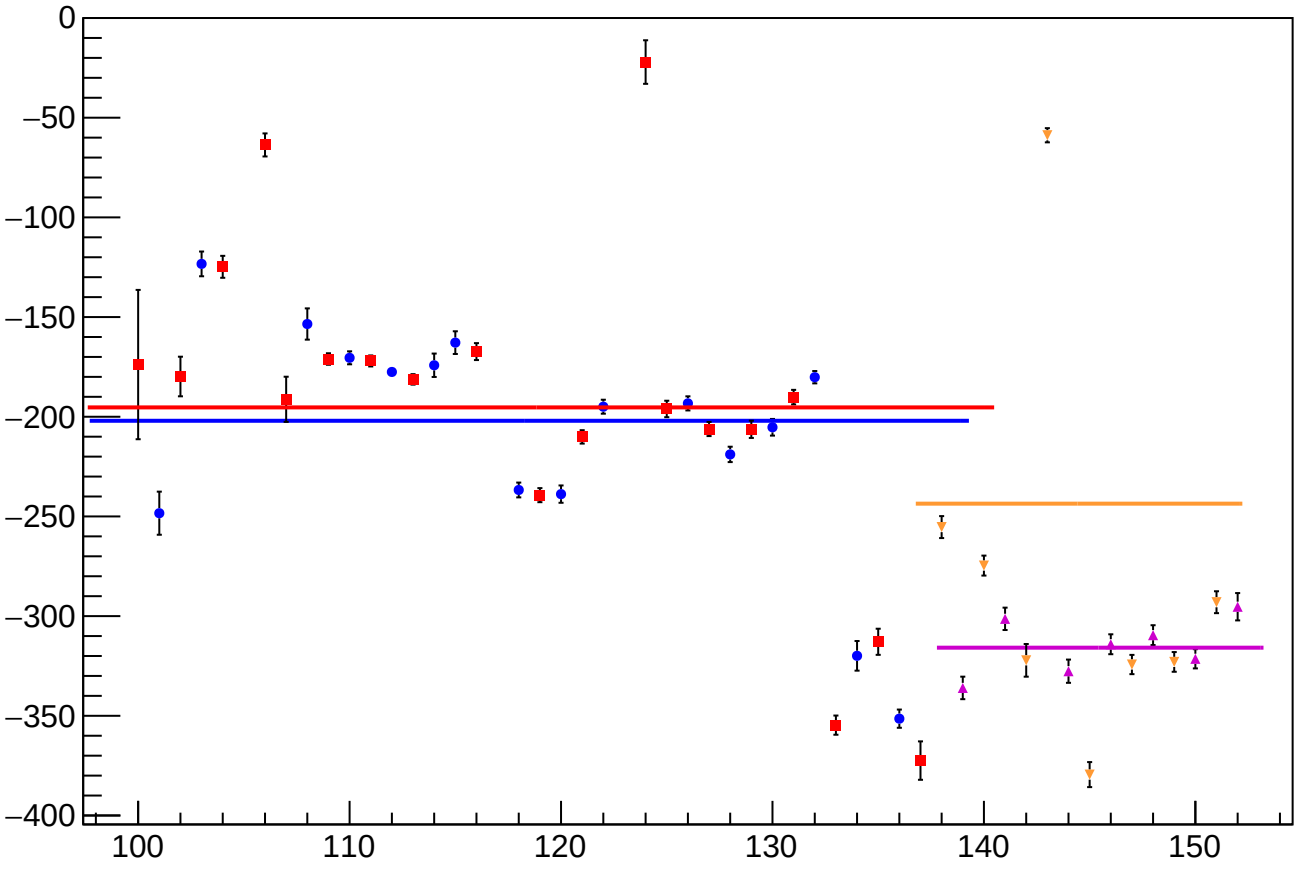
Left: 118.594+/-0.044 χ^2/NDF: 29262.4/14

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 120.774+/-0.051 χ^2/NDF:197136.2/22

Out: 109.196+/-0.049 χ^2/NDF:713224.1/26

All: 114.758+/-0.035 χ^2/NDF: 937222.5/49



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: -315.833+/-2.052 χ^2/NDF:35.6/6

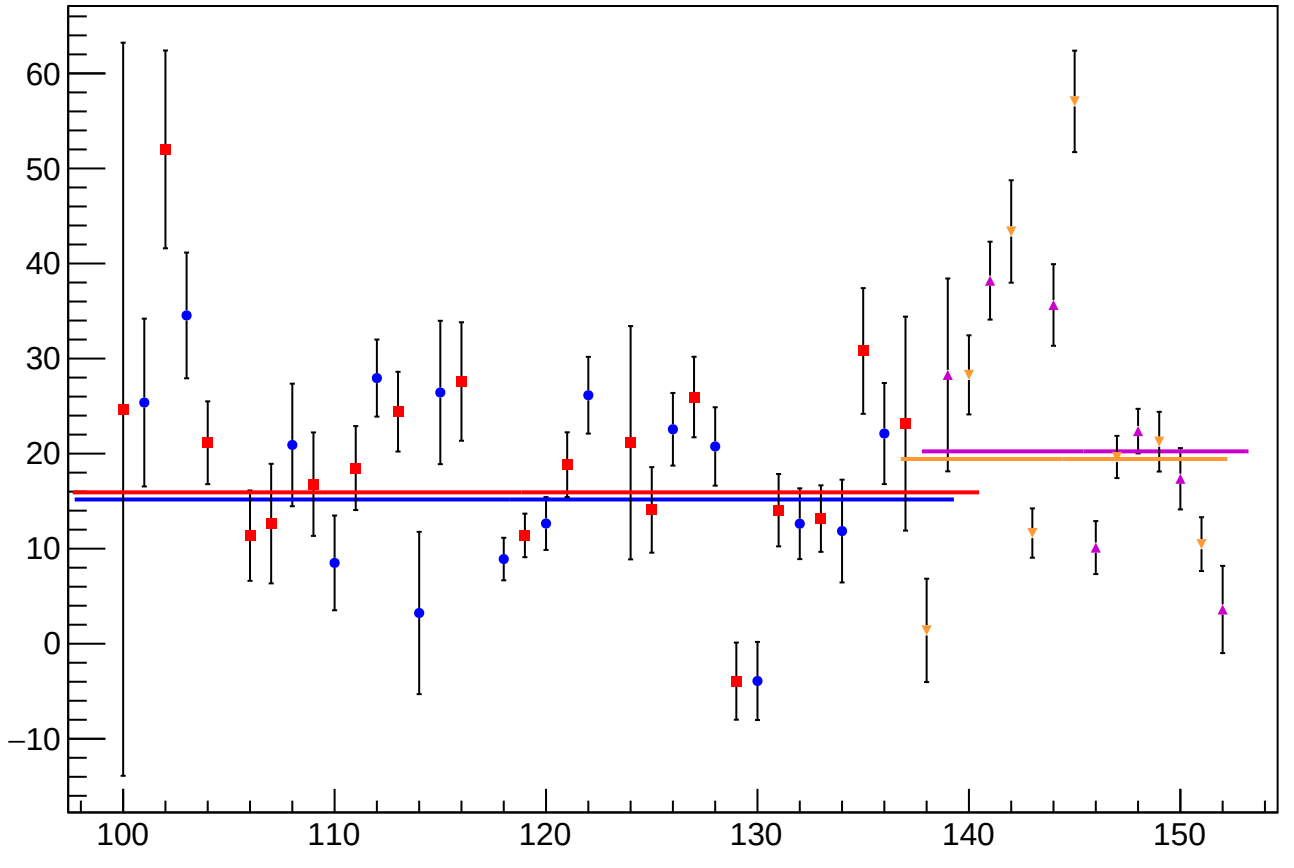
Left: -274.979+/-1.353 χ^2/NDF: 4655.0/14

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -224.712+/-0.916 χ^2/NDF:4538.6/22

Out: -206.259+/-0.857 χ^2/NDF:7576.4/26

All: -214.864+/-0.626 χ^2/NDF: 12331.4/49



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: 20.237+/-1.316 χ^2/NDF:60.6/6

Left: 19.786+/-0.871 χ^2/NDF: 165.2/14

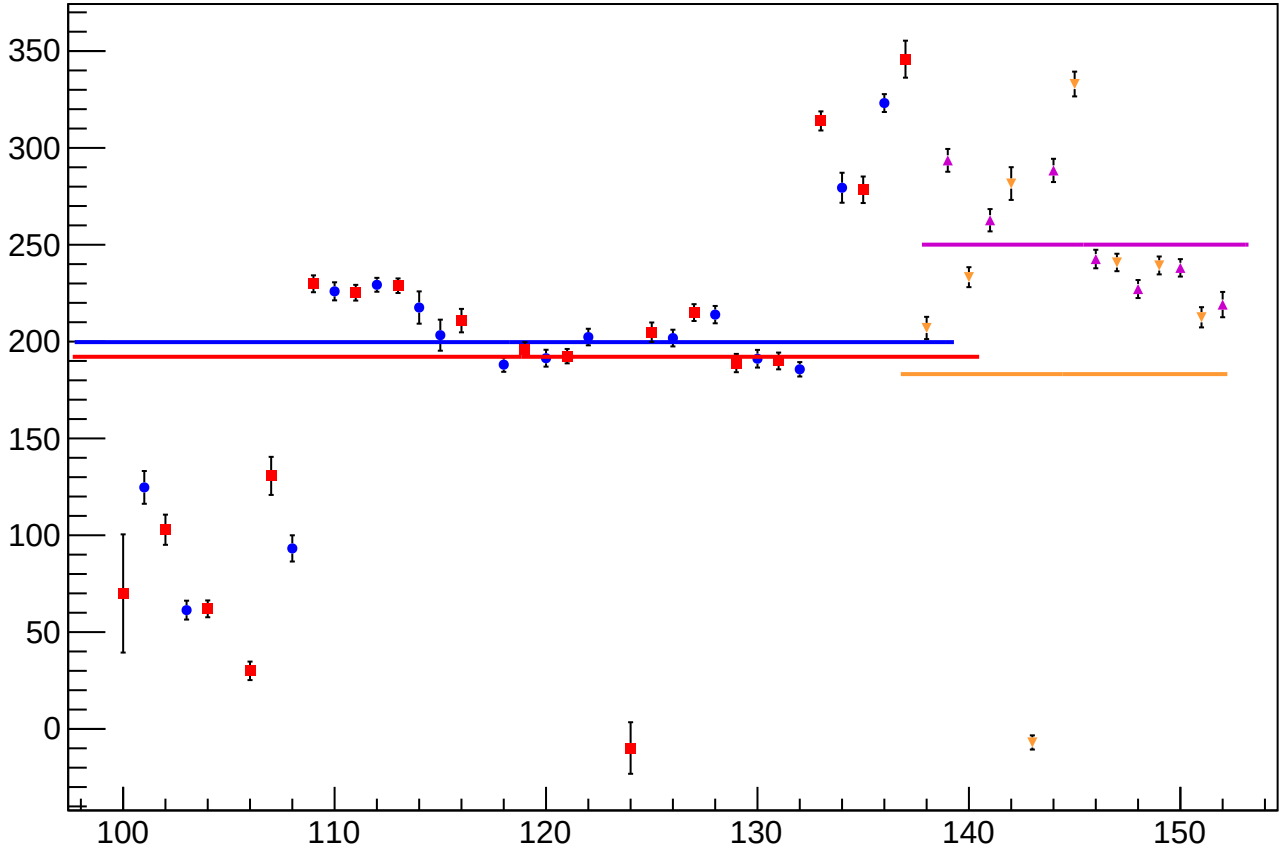
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 17.140+/-0.820 χ^2/NDF:142.0/22

Out: 17.478+/-0.774 χ^2/NDF:172.9/26

All: 17.318+/-0.563 χ^2/NDF: 315.1/49

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: 250.055+/-2.002 χ^2/NDF:156.3/6

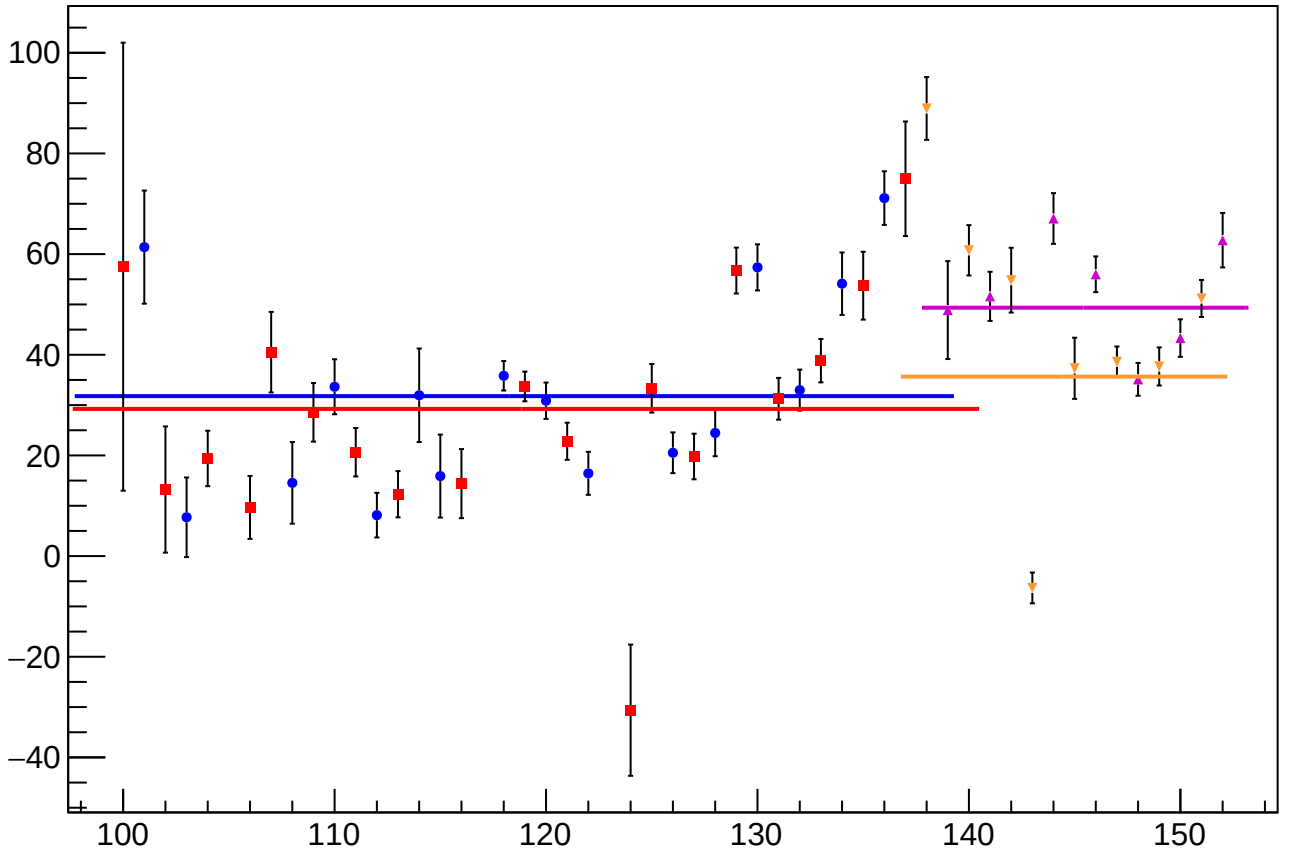
Left: 212.811+/-1.332 χ^2/NDF: 4616.3/14

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 212.959+/-1.027 χ^2/NDF:2723.9/22

Out: 189.530+/-0.967 χ^2/NDF:7633.6/26

All: 200.545+/-0.704 χ^2/NDF: 10633.5/49



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: 49.353+/-1.641 χ^2/NDF:43.9/6

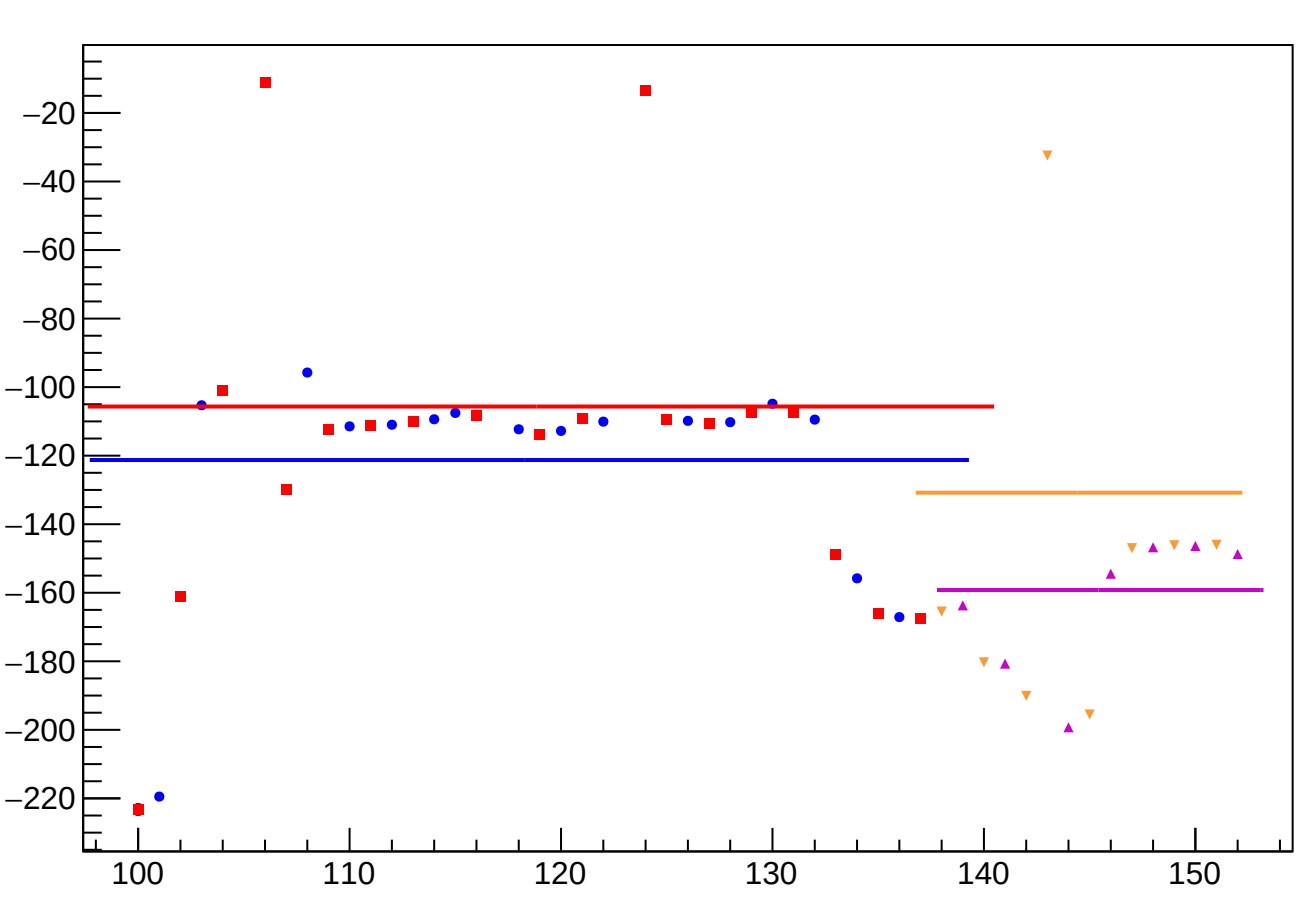
Left: 41.661+/-1.087 χ^2/NDF: 397.6/14

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 38.012+/-0.977 χ^2/NDF:294.8/22

Out: 31.843+/-0.923 χ^2/NDF:467.2/26

All: 34.751+/-0.671 χ^2/NDF: 783.1/49



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: -159.199+/-0.080 χ^2/NDF:42770.3/6

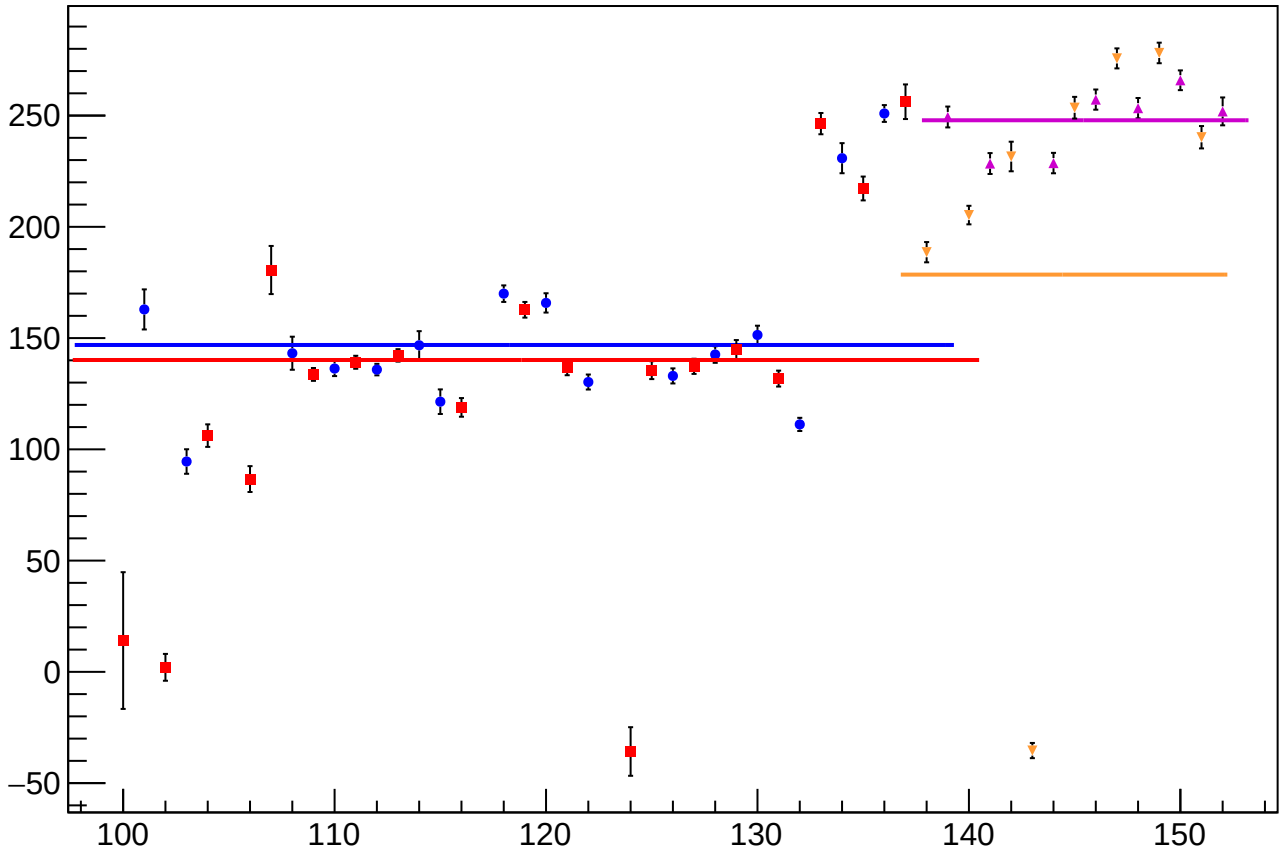
Left: -143.920+/-0.055 χ^2/NDF: 710589.0/14

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -139.943+/-0.056 χ^2/NDF:275031.3/22

Out: -118.252+/-0.053 χ^2/NDF:1012569.4/26

All: -128.368+/-0.039 χ^2/NDF: 1366391.2/49



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: 247.890+/-1.793 χ^2/NDF:57.2/6

Left: 209.223+/-1.193 χ^2/NDF: 6235.3/14

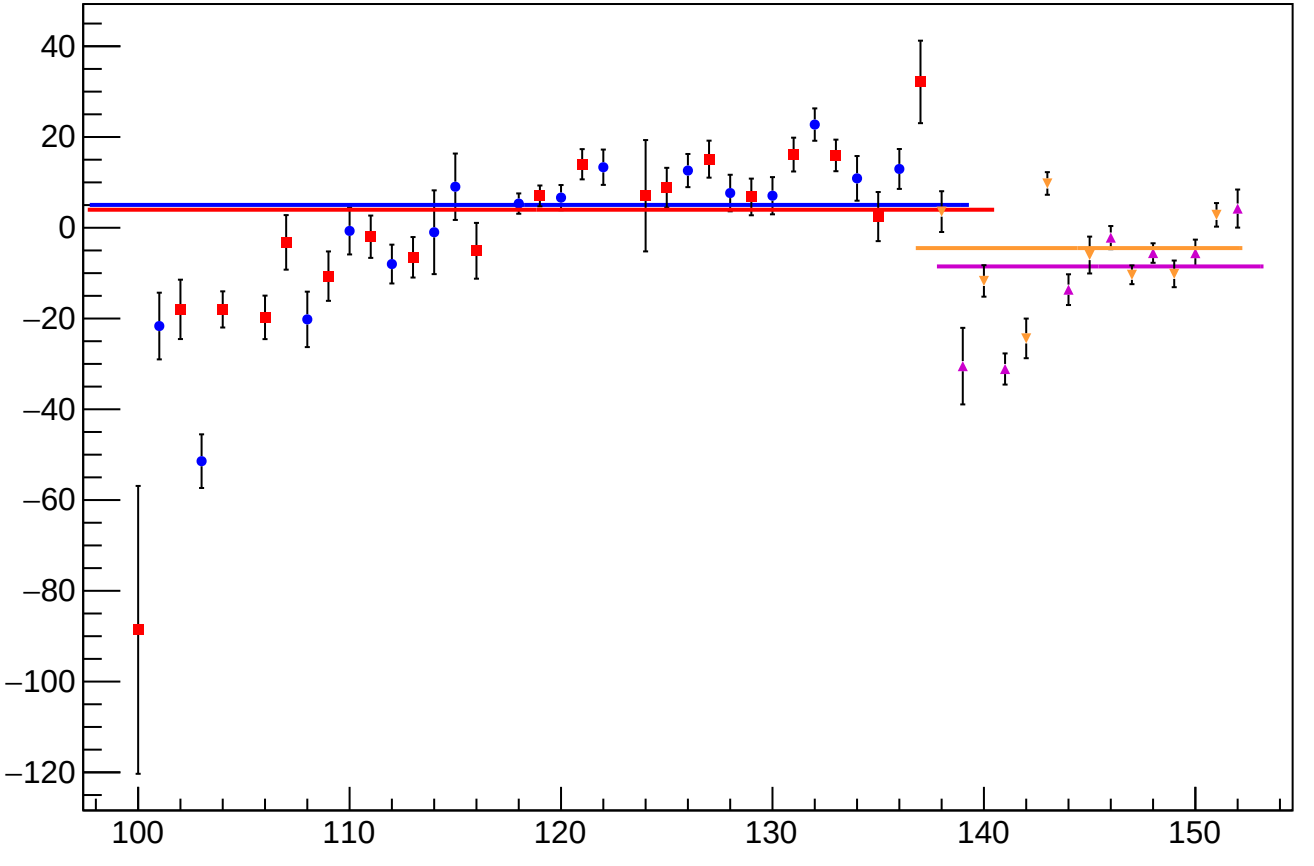
Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 170.987+/-0.876 χ^2/NDF:3775.1/22

Out: 150.336+/-0.823 χ^2/NDF:7718.3/26

All: 160.022+/-0.600 χ^2/NDF: 11788.8/49

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -4.479+/-1.051 χ^2/NDF:80.9/7

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -8.520+/-1.174 χ^2/NDF:70.7/6

Left: -6.278+/-0.783 χ^2/NDF: 158.1/14

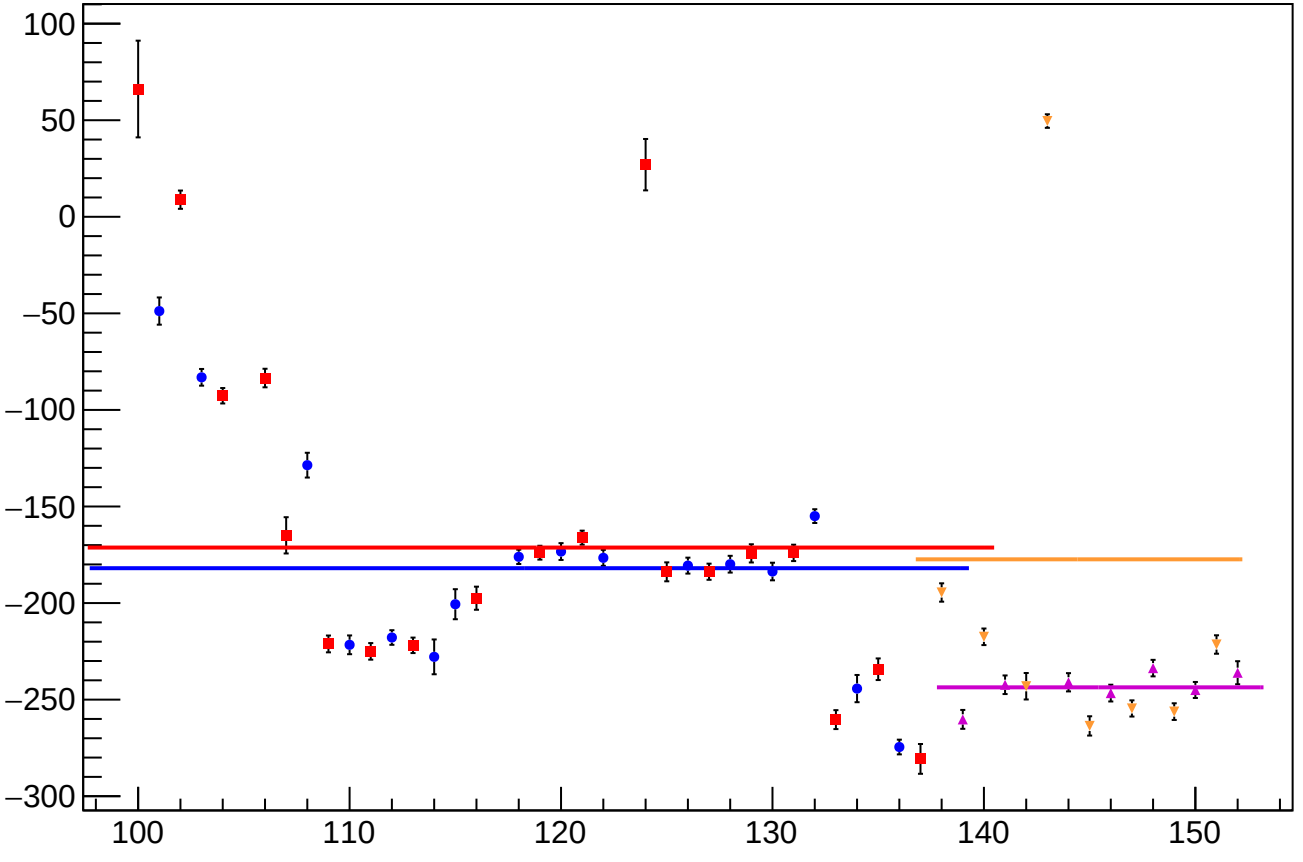
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: -0.801+/-0.770 χ^2/NDF:318.5/22

Out: -0.092+/-0.729 χ^2/NDF:259.3/26

All: -0.427+/-0.529 χ^2/NDF: 578.3/49

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -177.357+/-1.591 χ^2/NDF:5412.8/7

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -243.637+/-1.758 χ^2/NDF:19.5/6

Left: -207.200+/-1.179 χ^2/NDF: 6214.0/14

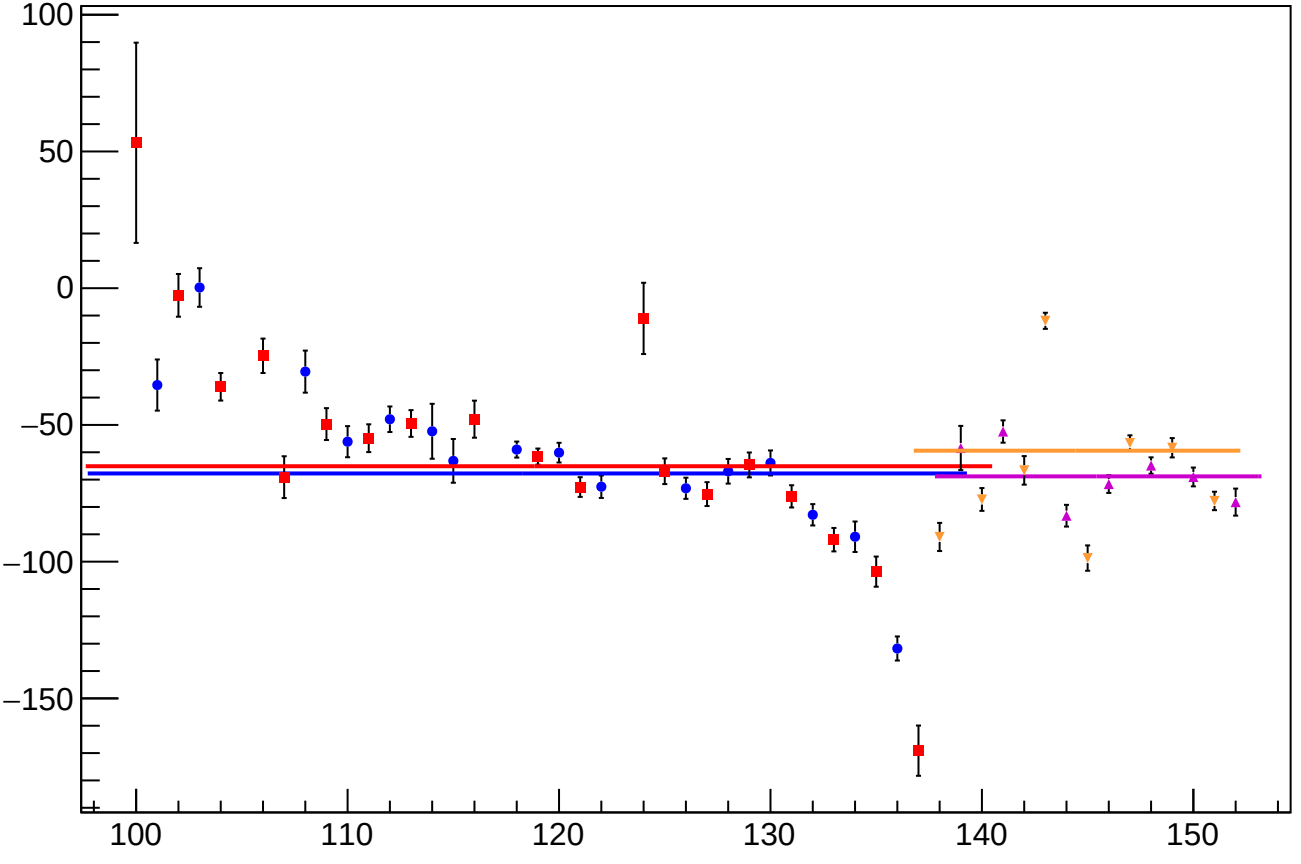
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -200.529+/-0.965 χ^2/NDF:2750.8/22

Out: -173.261+/-0.911 χ^2/NDF:9050.8/26

All: -186.114+/-0.662 χ^2/NDF: 12224.0/49

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: -68.811+/-1.458 χ^2/NDF:37.0/6

Left: -63.598+/-0.972 χ^2/NDF: 481.5/14

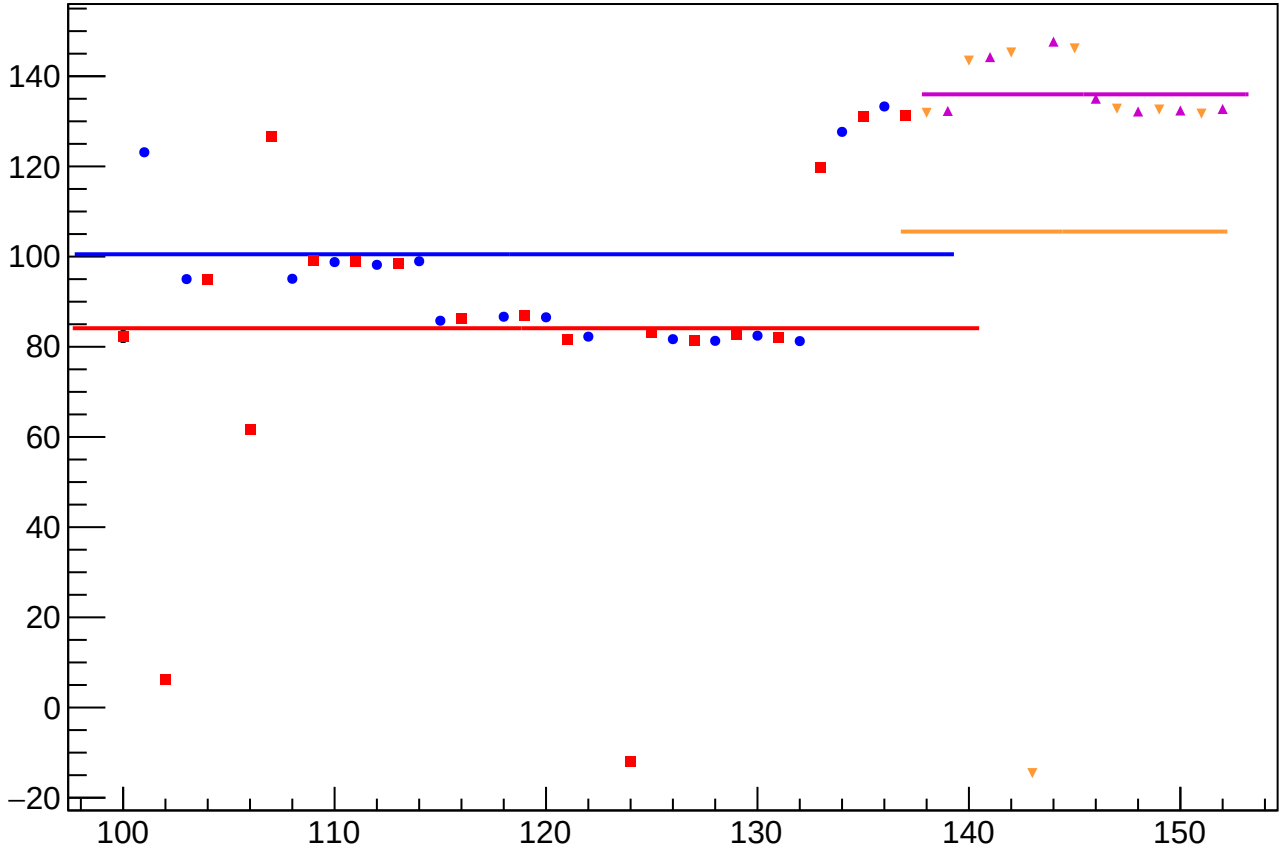
Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -68.168+/-0.918 χ^2/NDF:451.4/22

Out: -62.579+/-0.870 χ^2/NDF:861.0/26

All: -65.225+/-0.631 χ^2/NDF: 1331.9/49

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 105.547+/-0.066 χ^2/NDF:860023.9/7

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 135.985+/-0.071 χ^2/NDF:6446.0/6

Left: 119.809+/-0.048 χ^2/NDF: 965016.8/14

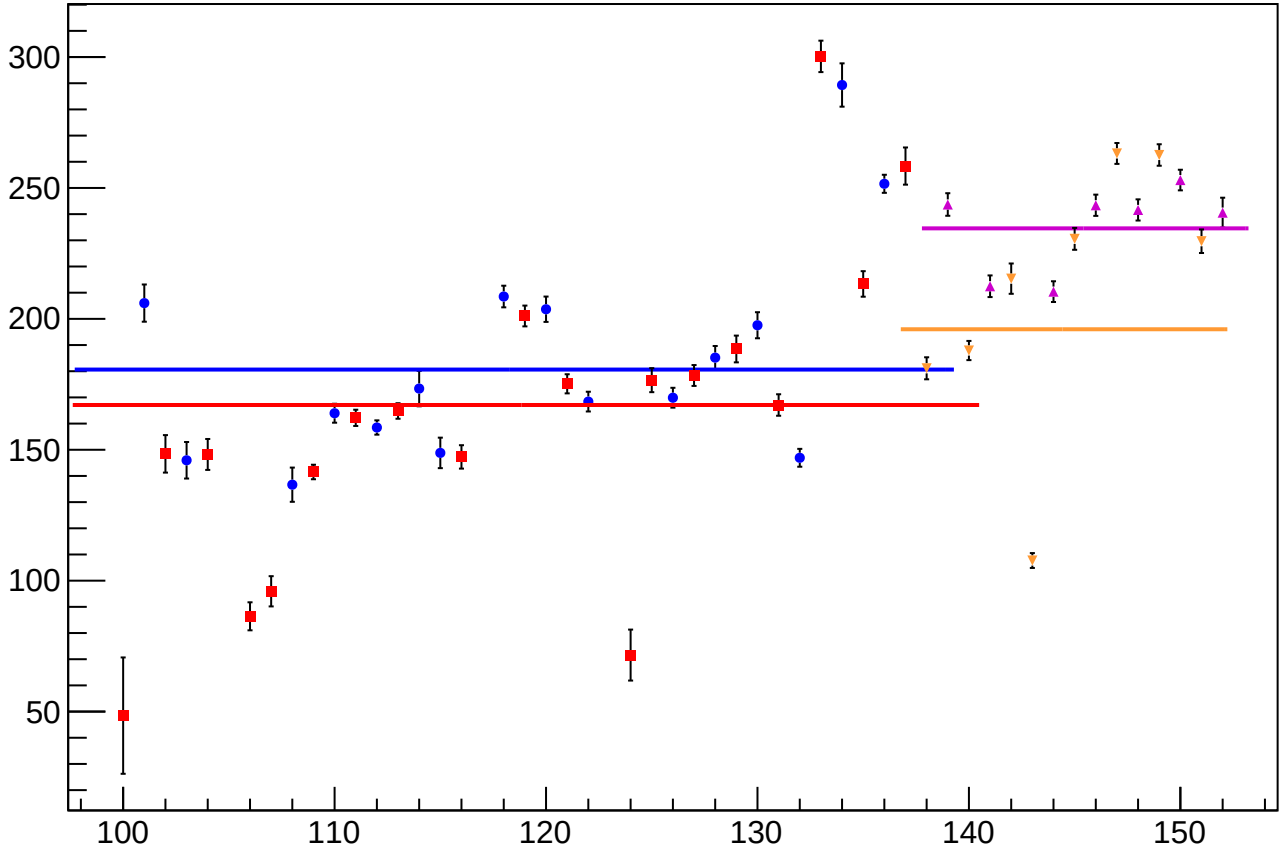
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 119.055+/-0.051 χ^2/NDF:194097.0/22

Out: 95.279+/-0.048 χ^2/NDF:1173761.6/26

All: 106.399+/-0.035 χ^2/NDF: 1483075.7/49

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: 234.566+/-1.595 χ^2/NDF:101.1/6

Left: 212.742+/-1.050 χ^2/NDF: 2097.1/14

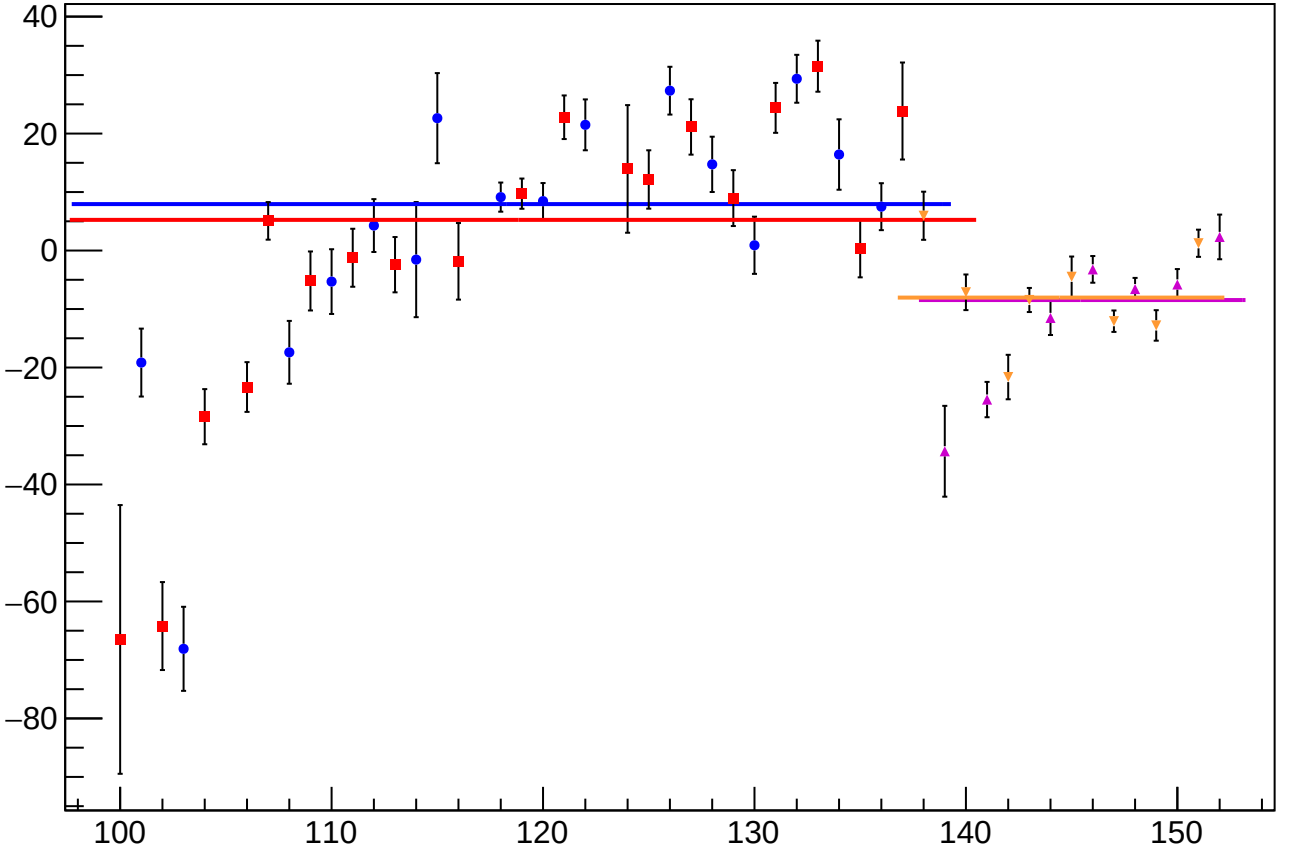
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 197.799+/-0.900 χ^2/NDF:1874.2/22

Out: 177.184+/-0.824 χ^2/NDF:3429.7/26

All: 186.587+/-0.608 χ^2/NDF: 5589.5/49

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: -8.464+/-1.041 χ^2/NDF:59.2/6

Left: -8.228+/-0.689 χ^2/NDF: 108.9/14

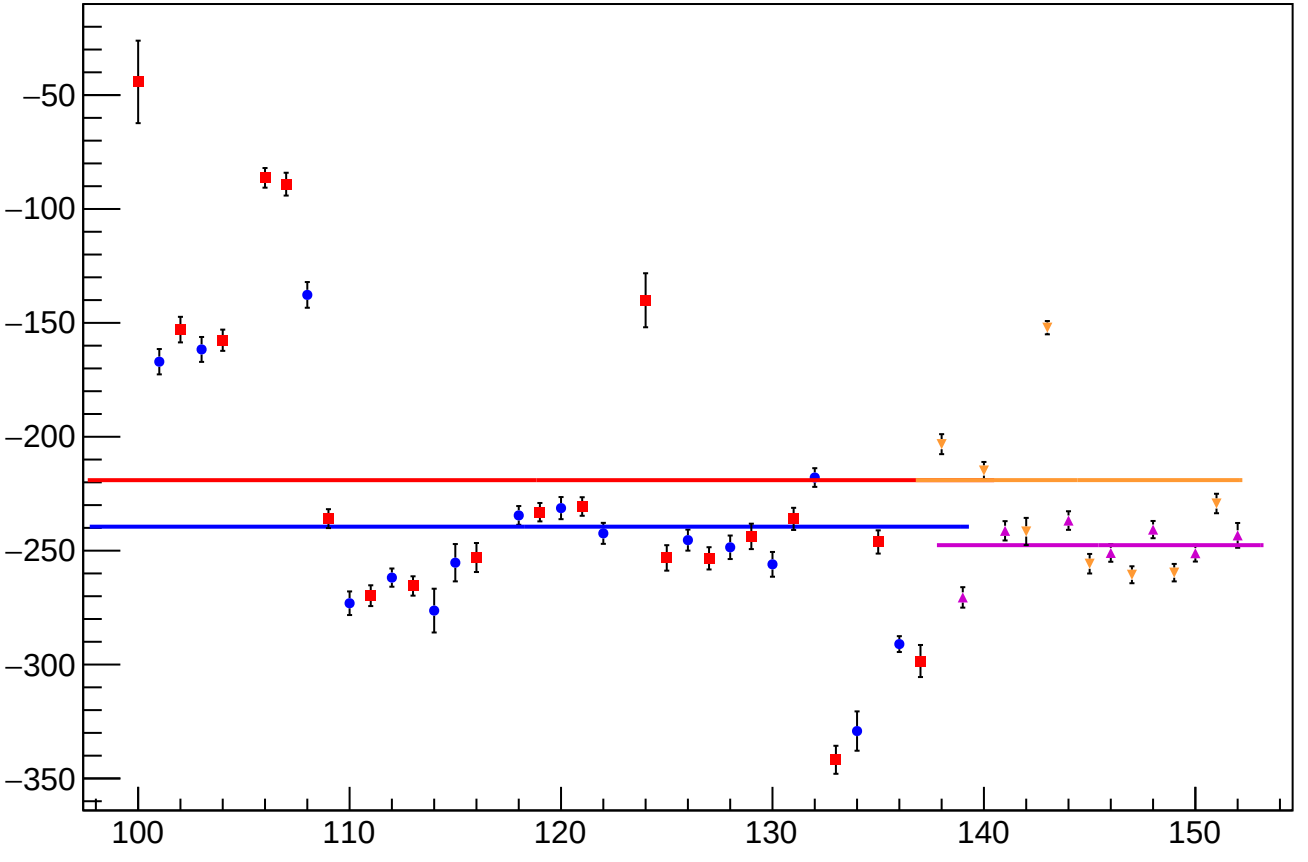
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.814+/-0.760 χ^2/NDF:408.0/22

Out: -2.357+/-0.695 χ^2/NDF:442.1/26

All: -1.655+/-0.513 χ^2/NDF: 852.4/49

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: -247.587+/-1.563 χ^2/NDF:40.9/6

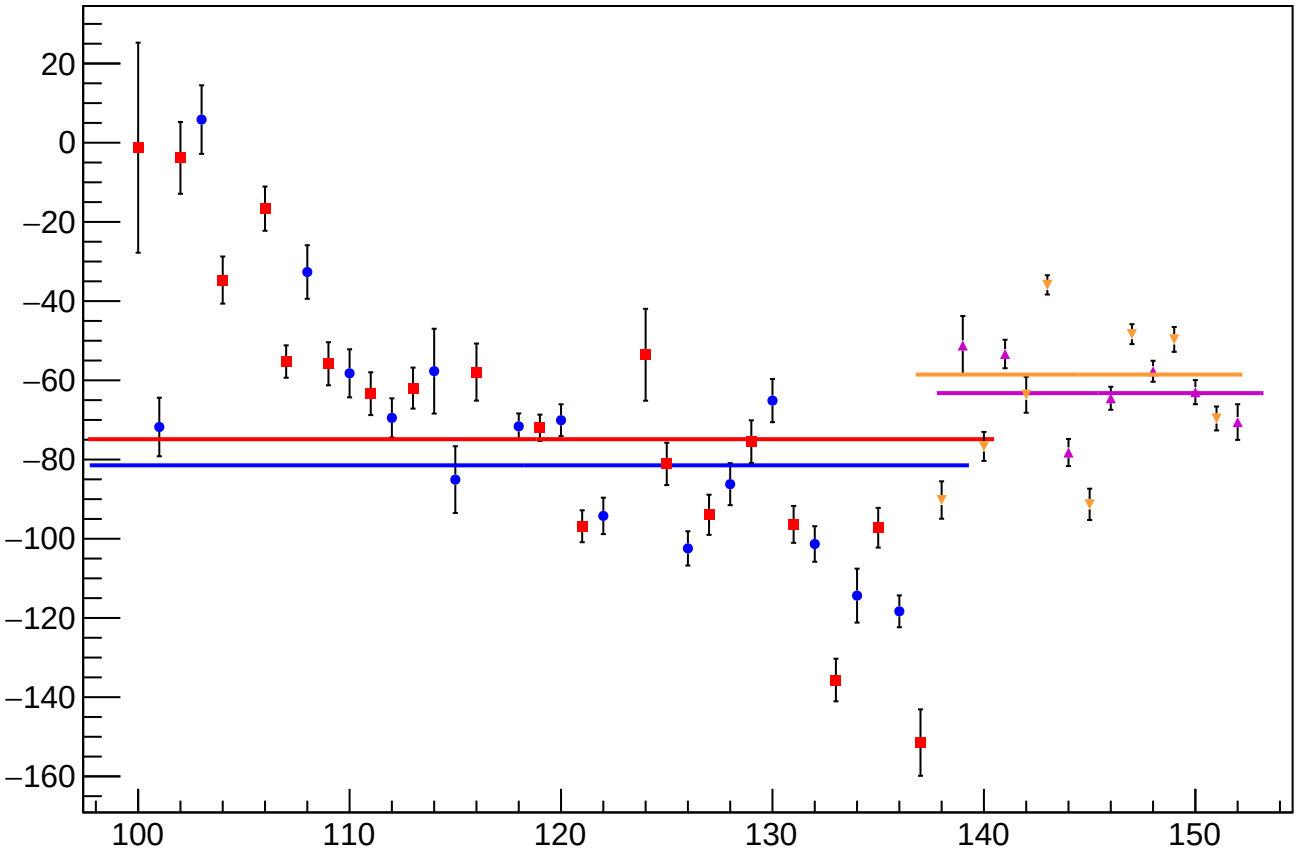
Left: -231.649+/-1.039 χ^2/NDF: 1095.7/14

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.620+/-0.974 χ^2/NDF:1219.6/22

Out: -219.044+/-0.898 χ^2/NDF:3917.9/26

All: -229.878+/-0.660 χ^2/NDF: 5454.1/49



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: -63.225+/-1.293 χ^2/NDF:36.5/6

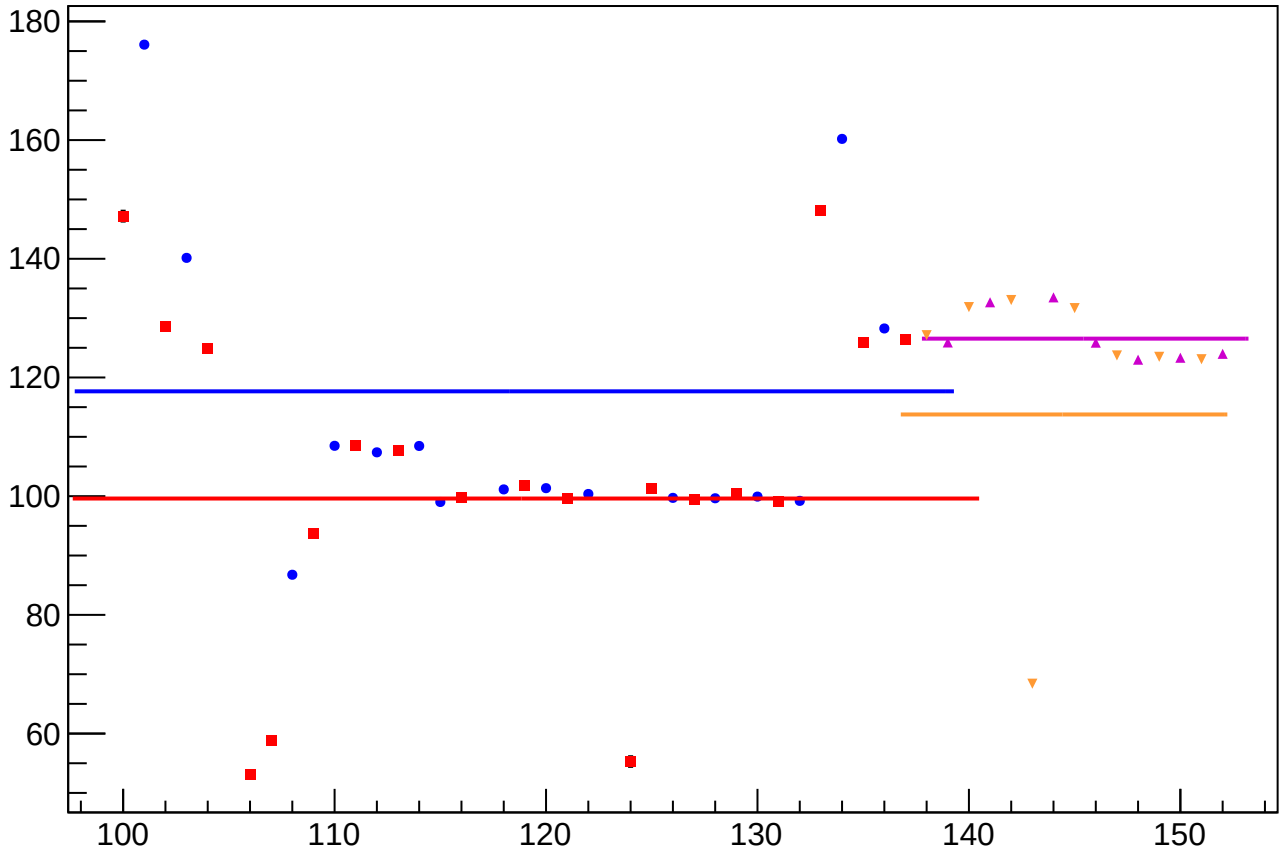
Left: -60.590+/-0.855 χ^2/NDF: 307.6/14

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -72.384+/-0.912 χ^2/NDF:502.9/22

Out: -66.080+/-0.836 χ^2/NDF:935.0/26

All: -68.959+/-0.616 χ^2/NDF: 1463.9/49



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: 126.543+/-0.063 χ^2/NDF:3900.9/6

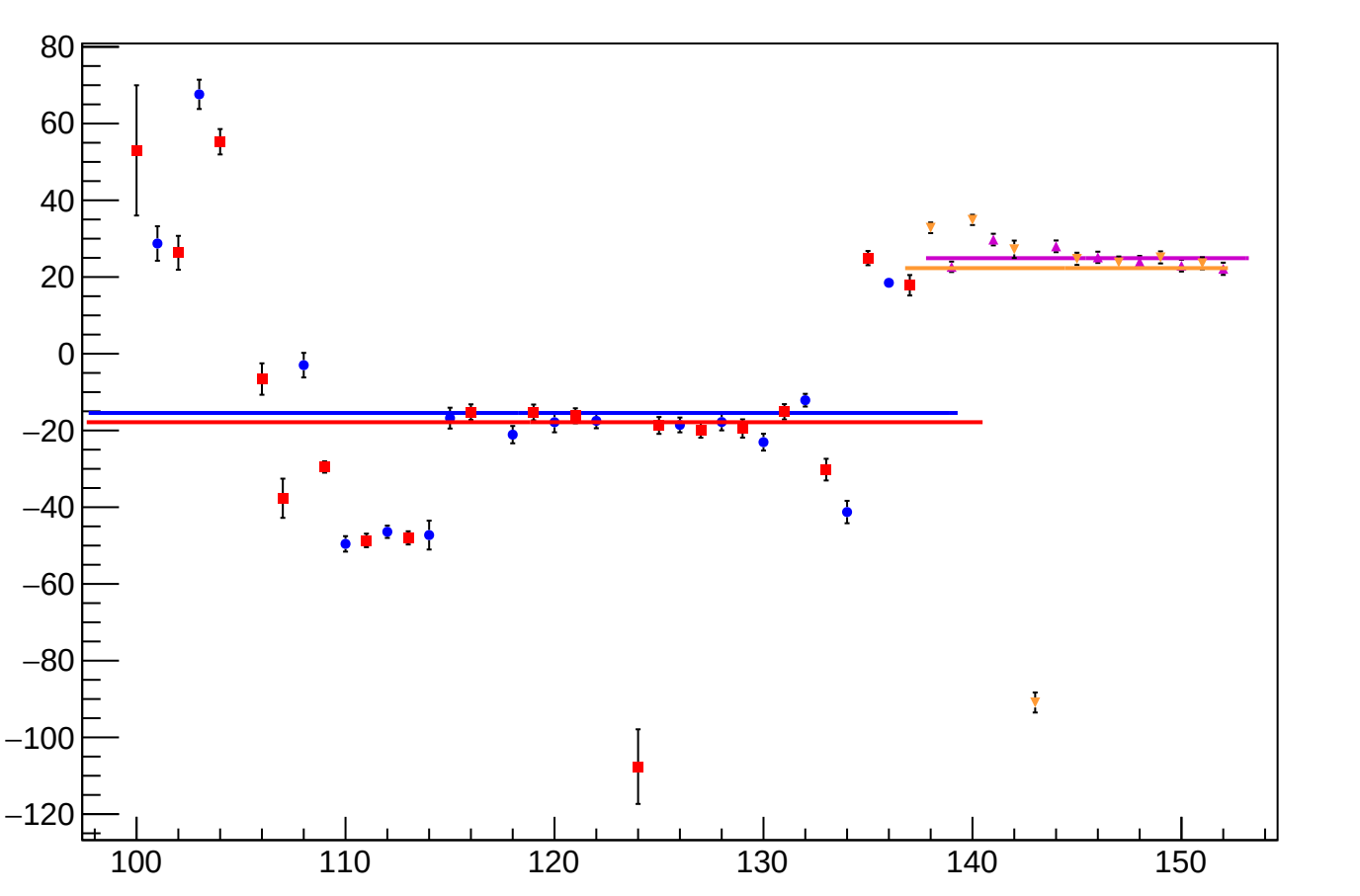
Left: 119.638+/-0.043 χ^2/NDF: 210058.1/14

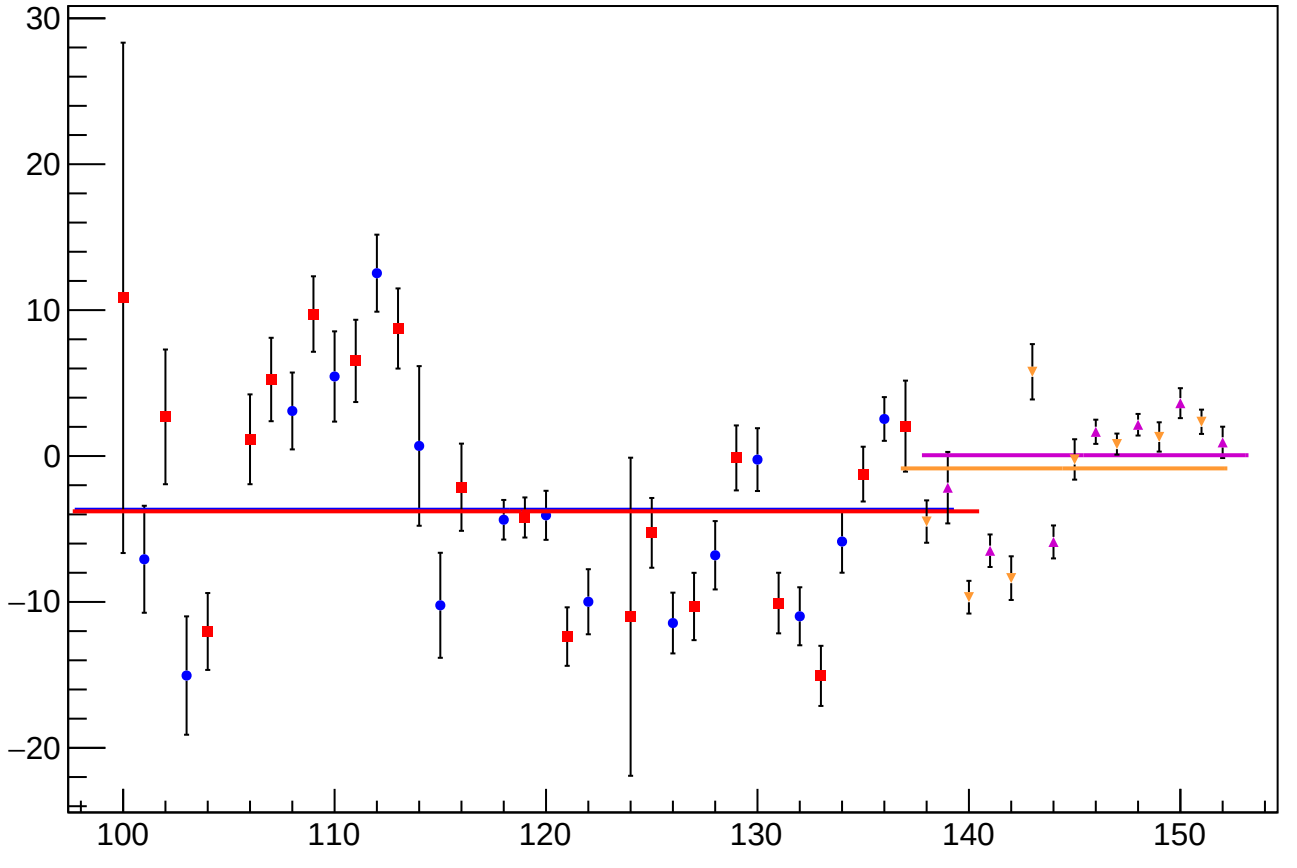
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.049+/-0.049 χ^2/NDF:107102.3/22

Out: 108.017+/-0.045 χ^2/NDF:374308.3/26

All: 114.847+/-0.033 χ^2/NDF: 532567.8/49


reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 22.317+/-0.576 χ²/NDF:2035.6/7
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 24.910+/-0.568 χ²/NDF:22.1/6
Left: 23.630+/-0.404 χ²/NDF: 2068.1/14
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 3.672+/-0.391 χ²/NDF:4799.9/22
Out: 0.565+/-0.390 χ²/NDF:6797.2/26
All: 2.113+/-0.276 χ²/NDF: 11628.9/49



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: 0.055+/-0.382 χ^2/NDF:87.5/6

Left: -0.397+/-0.270 χ^2/NDF: 220.8/14

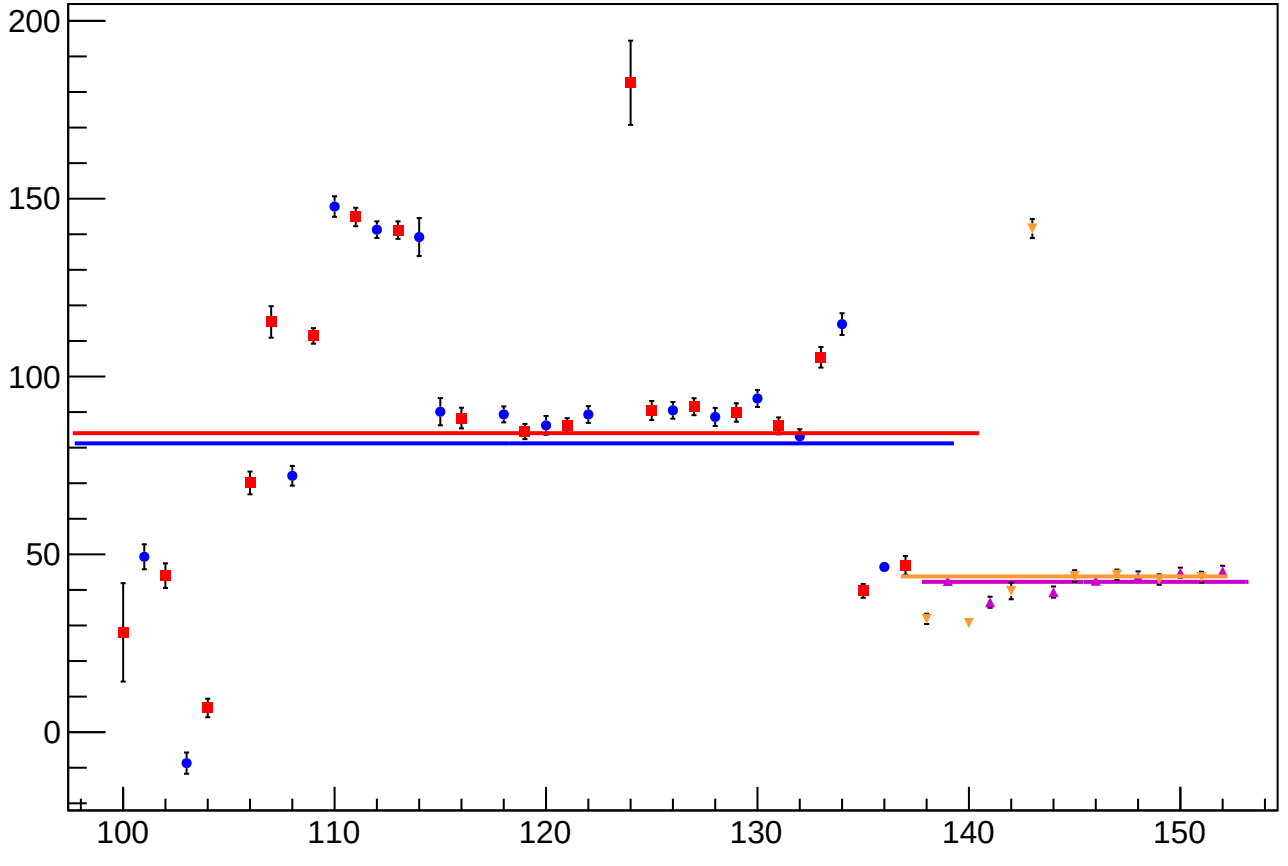
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.155+/-0.314 χ^2/NDF:242.4/22

Out: -1.772+/-0.316 χ^2/NDF:310.5/26

All: -1.462+/-0.223 χ^2/NDF: 554.8/49

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: 42.264+/-0.558 χ^2/NDF:25.1/6

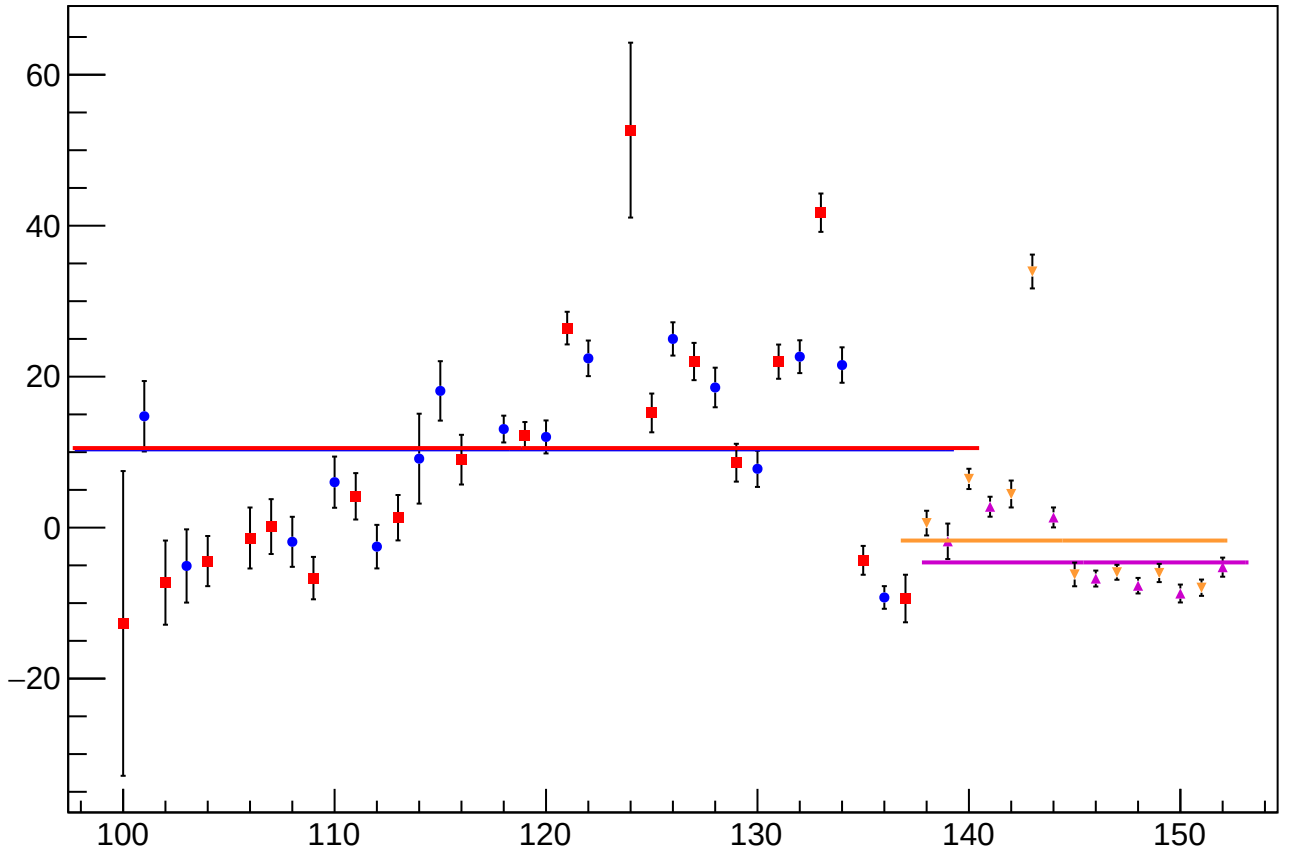
Left: 43.011+/-0.399 χ^2/NDF: 1516.1/14

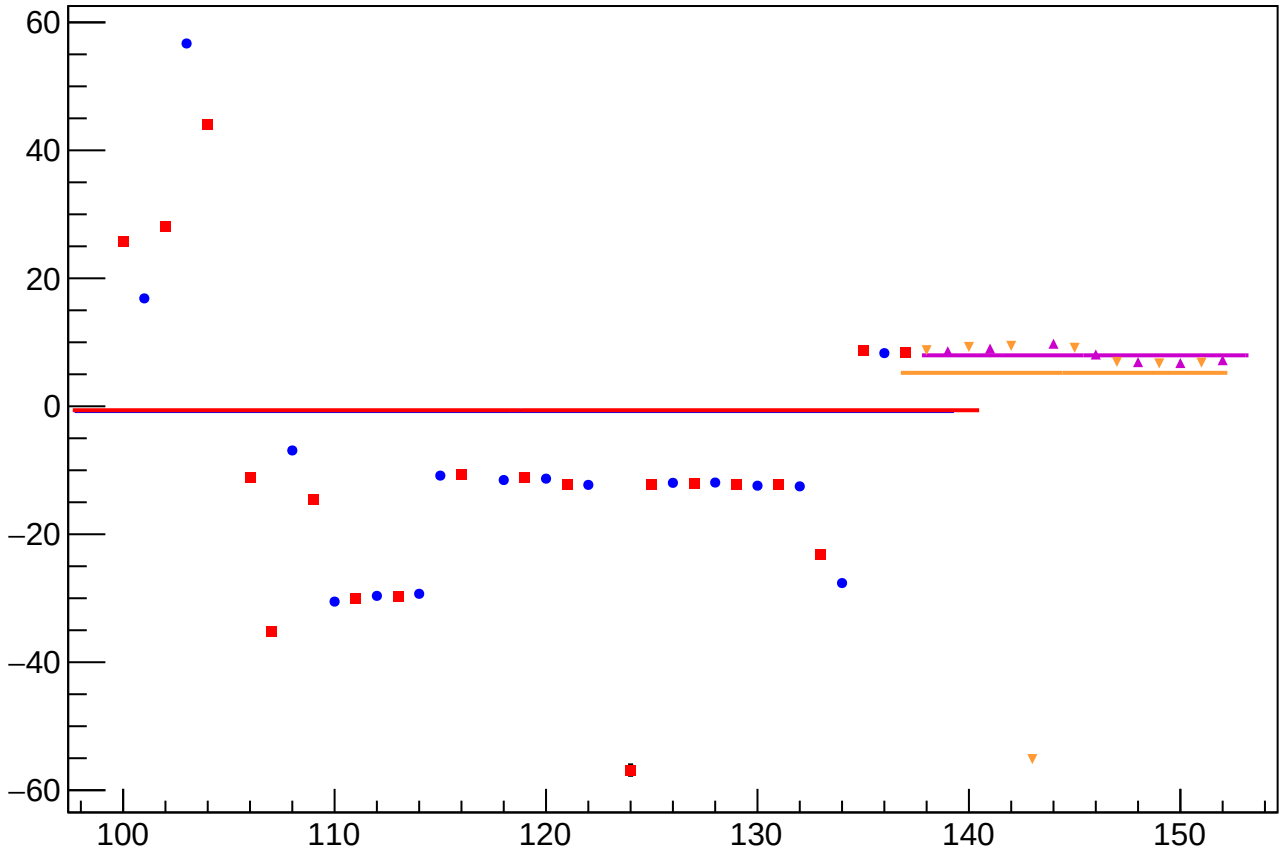
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 60.109+/-0.411 χ^2/NDF:5484.5/22

Out: 62.387+/-0.419 χ^2/NDF:6992.6/26

All: 61.226+/-0.293 χ^2/NDF: 12492.2/49


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.711+/-0.476 χ²/NDF:376.3/7
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -4.610+/-0.471 χ²/NDF:78.3/6
Left: -3.174+/-0.335 χ²/NDF: 473.3/14
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.804+/-0.377 χ²/NDF:802.9/22
Out: 2.648+/-0.382 χ²/NDF:1082.9/26
All: 1.713+/-0.268 χ²/NDF: 1897.6/49



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: 7.964+/-0.022 χ^2/NDF:2050.9/6

Left: 6.680+/-0.016 χ^2/NDF: 316829.6/14

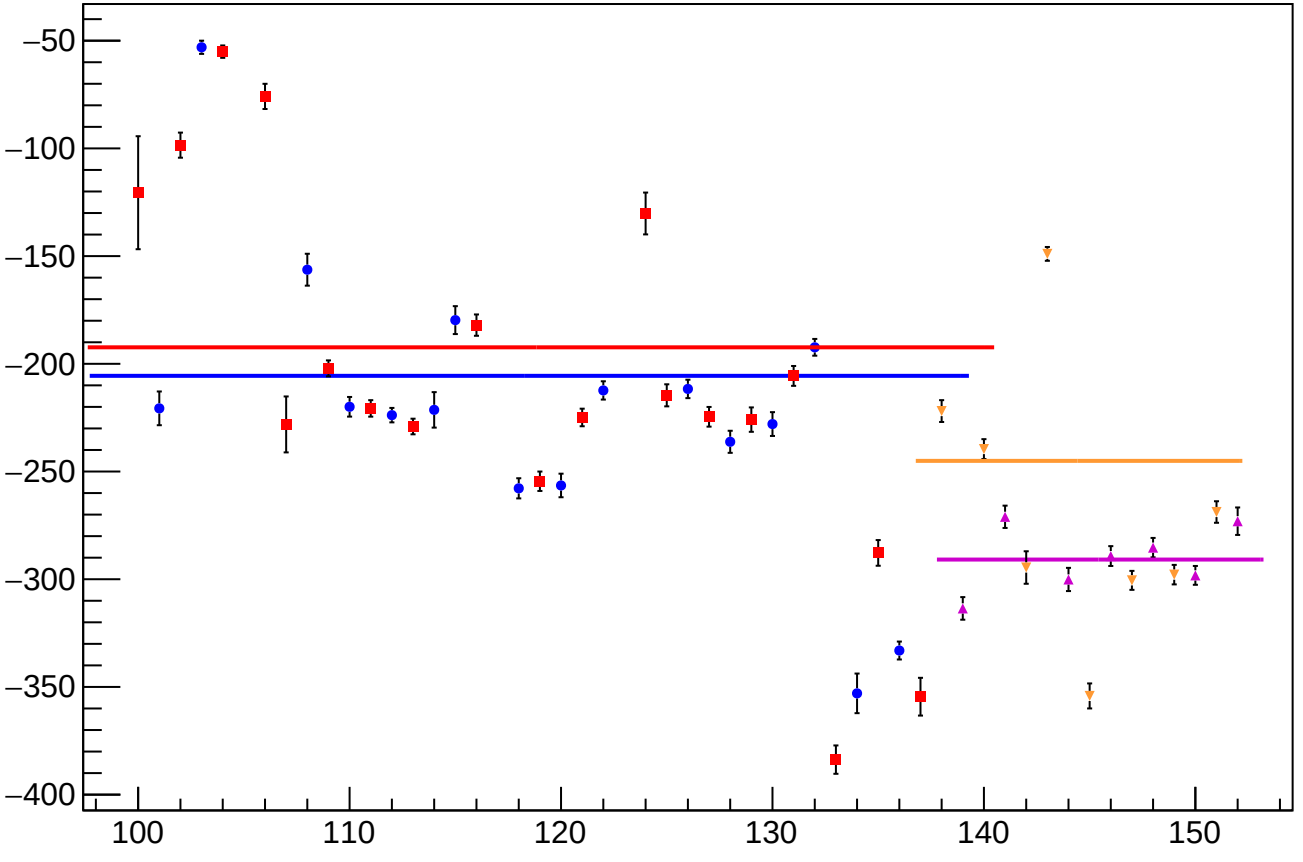
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.558+/-0.019 χ^2/NDF:412688.1/22

Out: 3.560+/-0.020 χ^2/NDF:641644.7/26

All: 4.615+/-0.014 χ^2/NDF: 1059634.8/49

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -245.052+/-1.642 χ^2/NDF:1632.9/7

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -290.868+/-1.885 χ^2/NDF:48.6/6

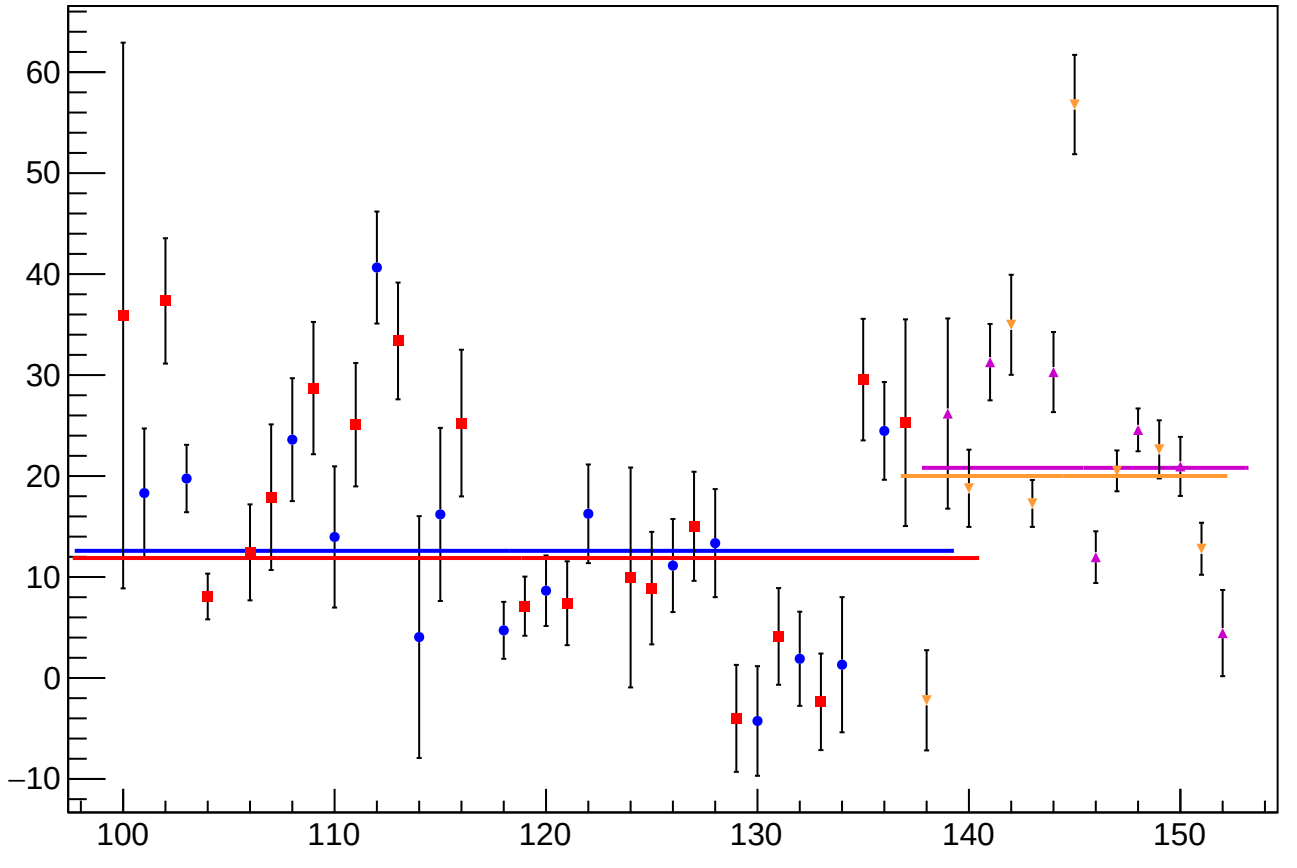
Left: -264.823+/-1.238 χ^2/NDF: 2017.4/14

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

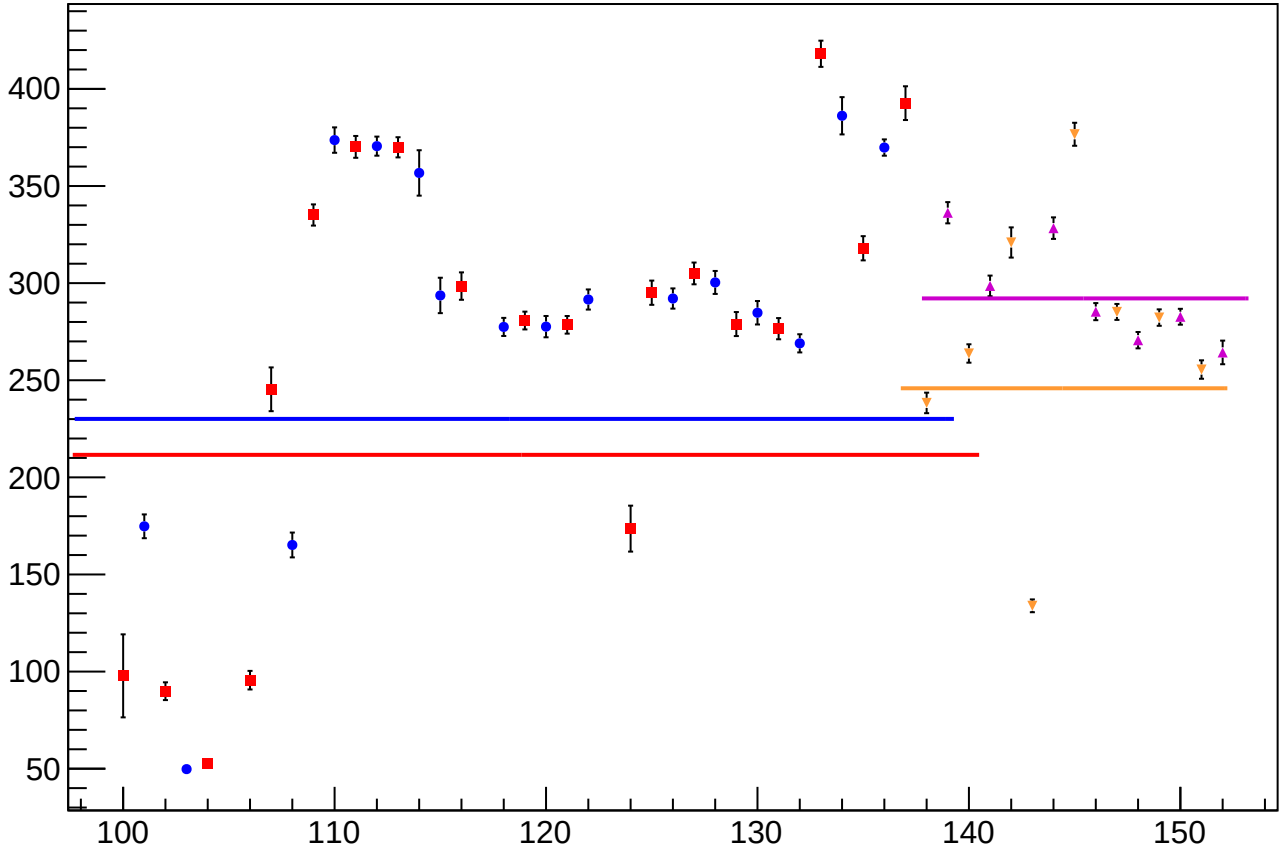
In: -229.735+/-1.003 χ^2/NDF:5572.6/22

Out: -209.132+/-0.927 χ^2/NDF:7304.9/26

All: -218.620+/-0.681 χ^2/NDF: 13105.2/49


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
100
110
120
130
140
150
Right In: 12.592+/-1.203 χ²/NDF: 68.5/15
Left Out: 20.005+/-1.059 χ²/NDF:95.3/7
Right Out: 11.880+/-1.122 χ²/NDF: 84.9/18
Left In: 20.813+/-1.203 χ²/NDF:43.5/6
Left: 20.357+/-0.795 χ²/NDF: 139.1/14
Right: 12.211+/-0.820 χ²/NDF: 153.6/34
In: 16.703+/-0.850 χ²/NDF:135.3/22
Out: 16.176+/-0.770 χ²/NDF:208.0/26
All: 16.413+/-0.571 χ²/NDF: 343.6/49

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: 292.132+/-1.837 χ^2/NDF:163.8/6

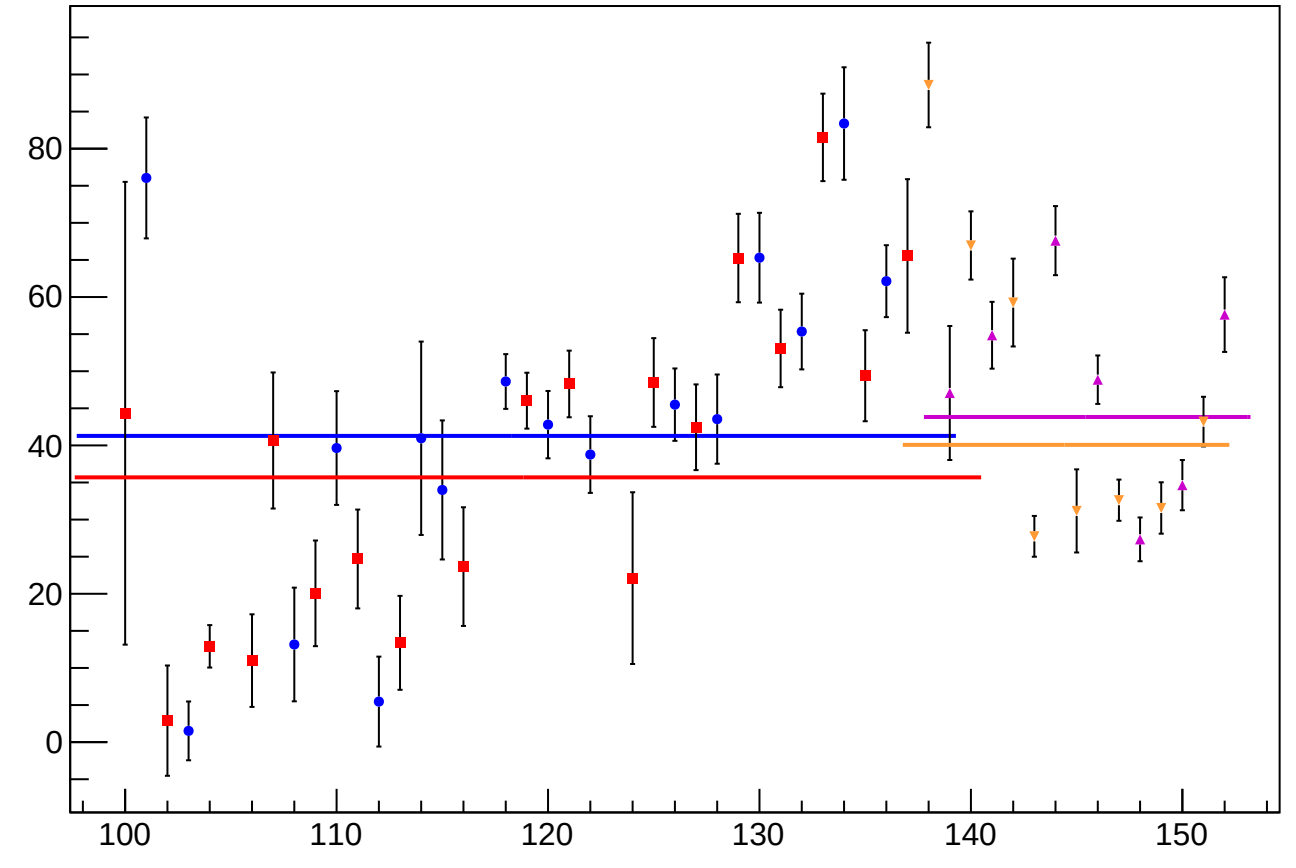
Left: 266.231+/-1.219 χ^2/NDF: 2438.7/14

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 249.935+/-1.039 χ^2/NDF:10315.2/22

Out: 223.585+/-0.964 χ^2/NDF:13679.7/26

All: 235.772+/-0.706 χ^2/NDF: 24340.7/49



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: 43.830+/-1.502 χ^2/NDF:80.7/6

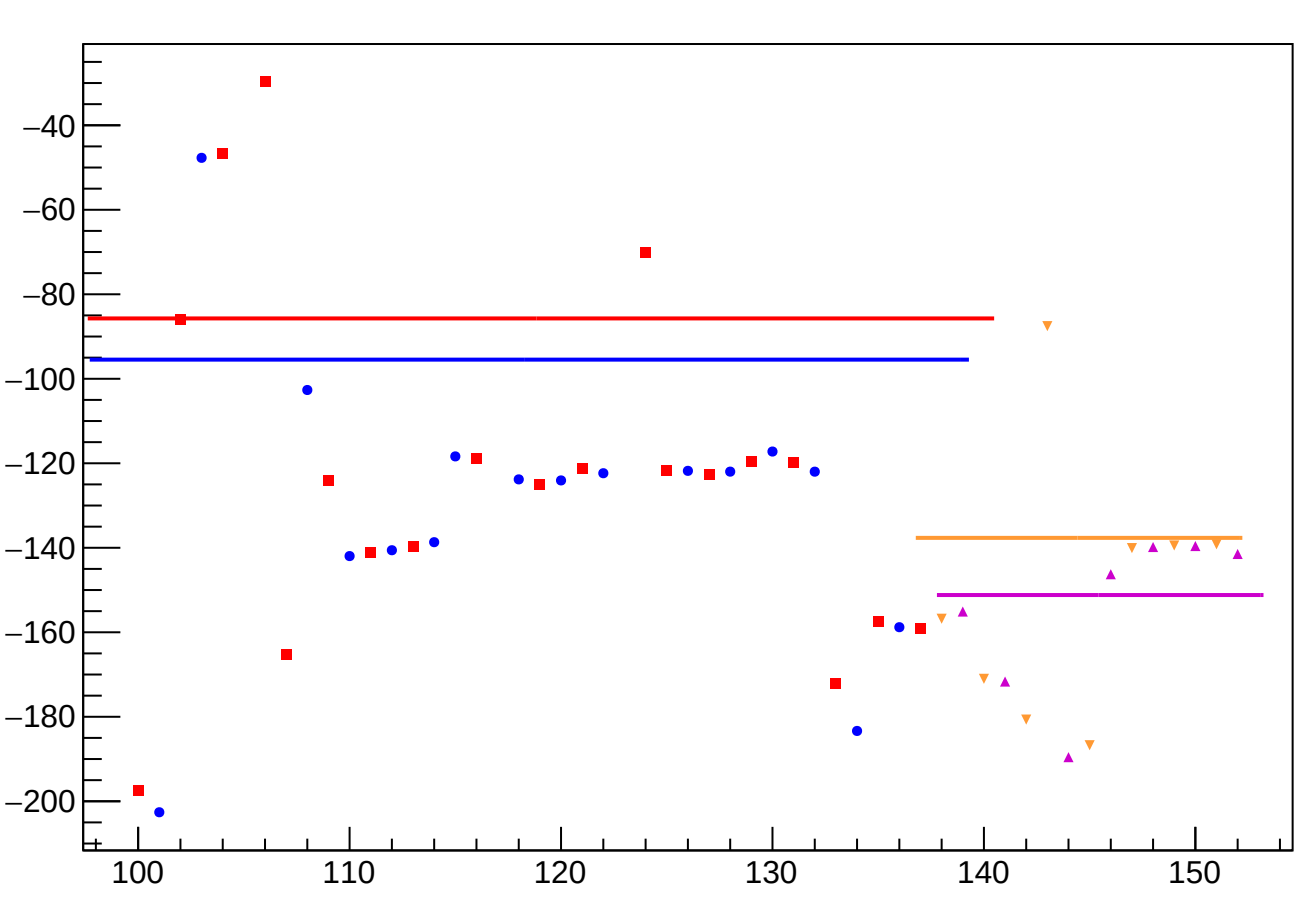
Left: 41.710+/-0.992 χ^2/NDF: 238.0/14

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 42.464+/-1.023 χ^2/NDF:328.0/22

Out: 37.875+/-0.933 χ^2/NDF:412.5/26

All: 39.957+/-0.689 χ^2/NDF: 751.5/49



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: -151.184+/-0.074 χ^2/NDF:45025.4/6

Left: -143.875+/-0.050 χ^2/NDF: 291431.9/14

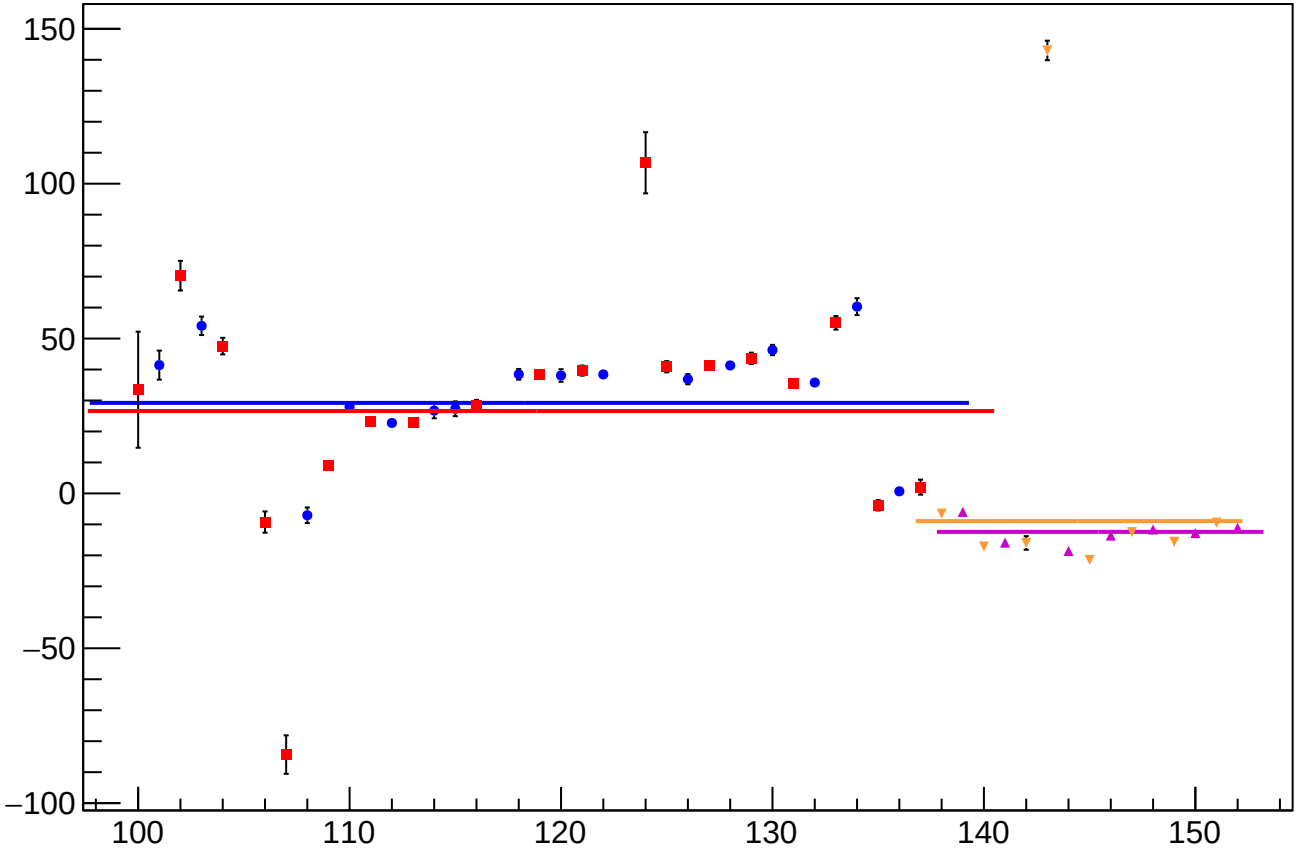
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -121.611+/-0.051 χ^2/NDF:866953.4/22

Out: -111.220+/-0.048 χ^2/NDF:1006395.1/26

All: -116.116+/-0.035 χ^2/NDF: 1895652.9/49

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: -12.418+/-0.528 χ^2/NDF:52.7/6

Left: -10.721+/-0.378 χ^2/NDF: 2540.8/14

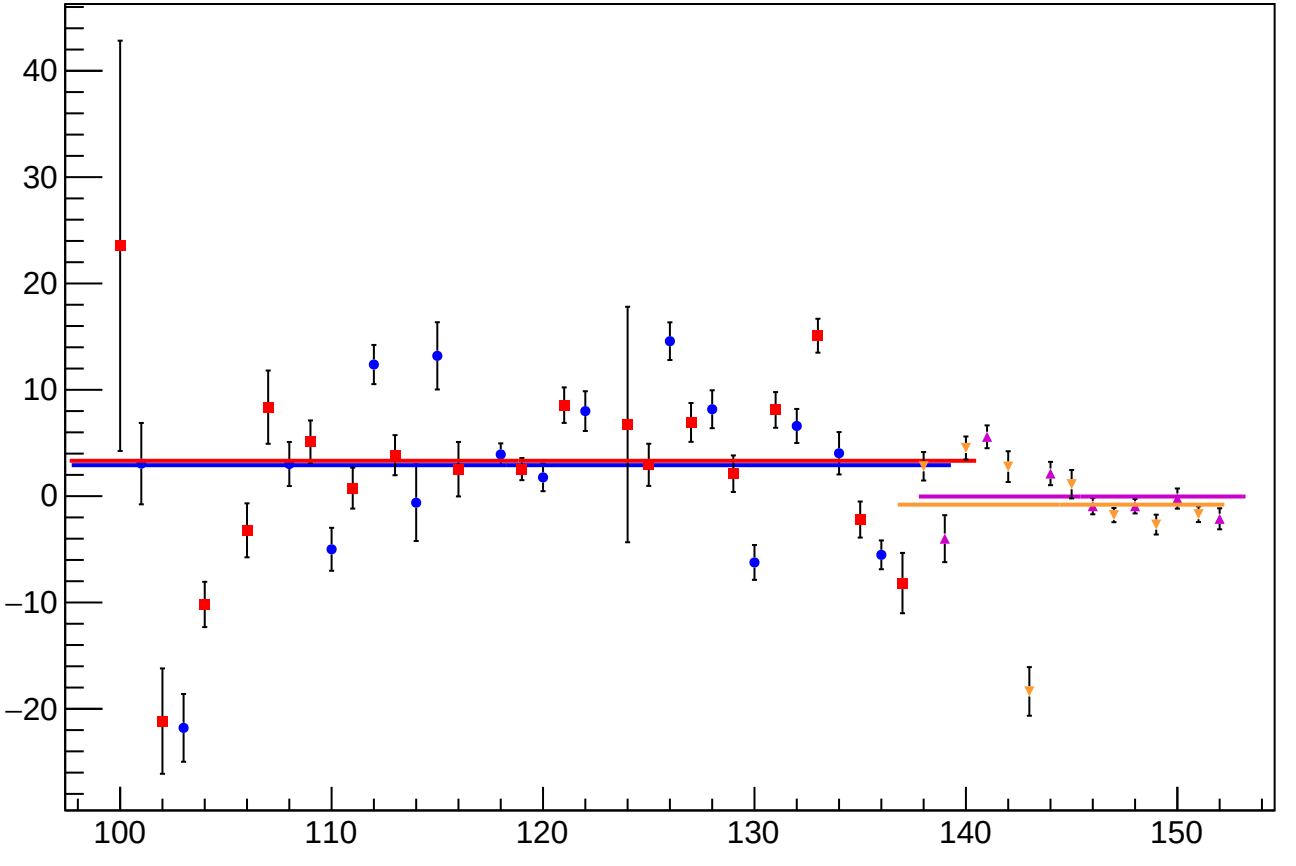
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 12.901+/-0.331 χ^2/NDF:5173.2/22

Out: 13.490+/-0.329 χ^2/NDF:7107.4/26

All: 13.197+/-0.233 χ^2/NDF: 12282.2/49

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: -0.035+/-0.356 χ^2/NDF:42.2/6

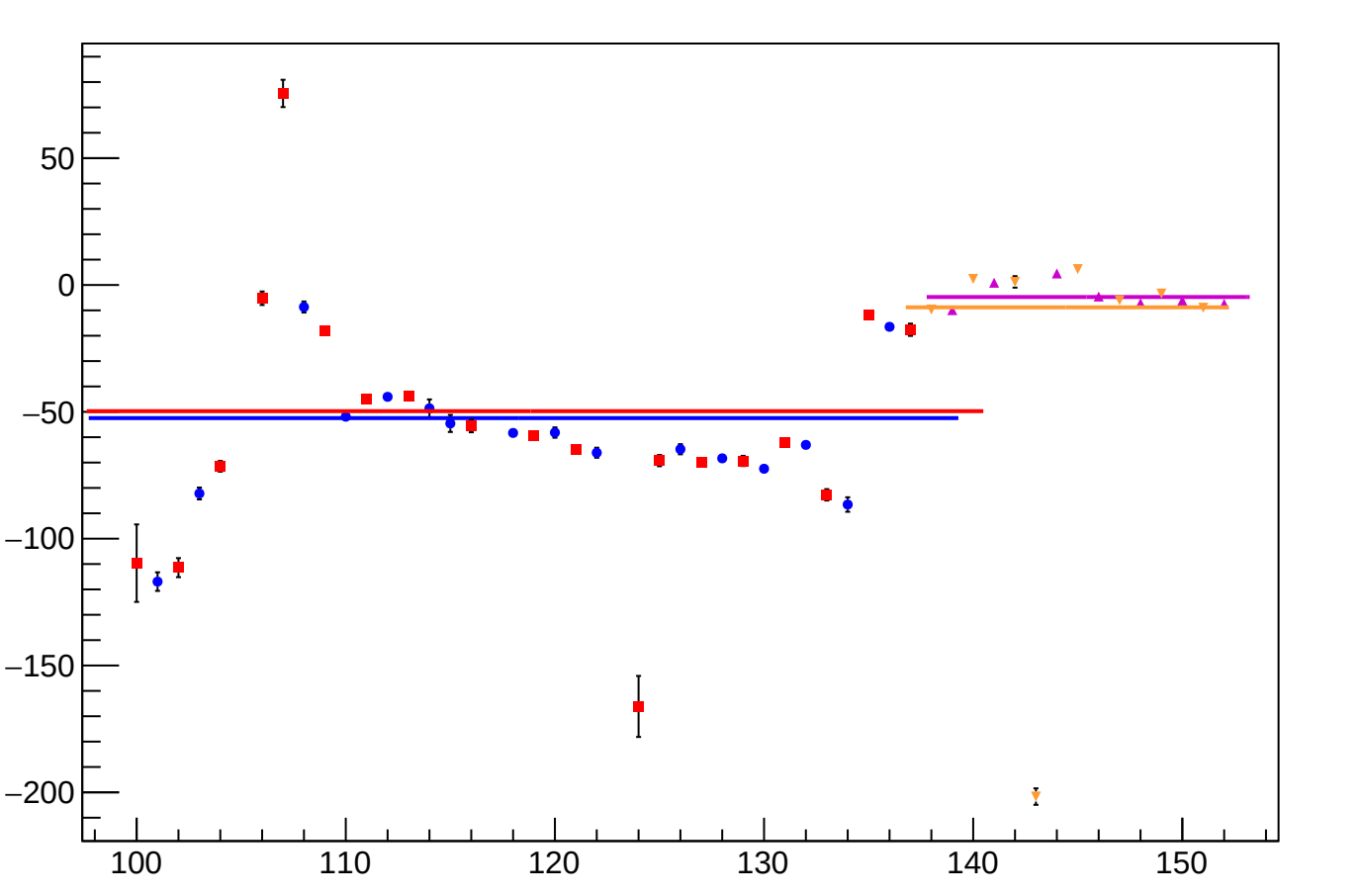
Left: -0.416+/-0.252 χ^2/NDF: 151.0/14

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.123+/-0.277 χ^2/NDF:319.1/22

Out: 0.776+/-0.280 χ^2/NDF:339.4/26

All: 0.951+/-0.197 χ^2/NDF: 659.3/49



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: -4.741+/-0.519 χ^2/NDF:75.6/6

Left: -6.707+/-0.373 χ^2/NDF: 3841.9/14

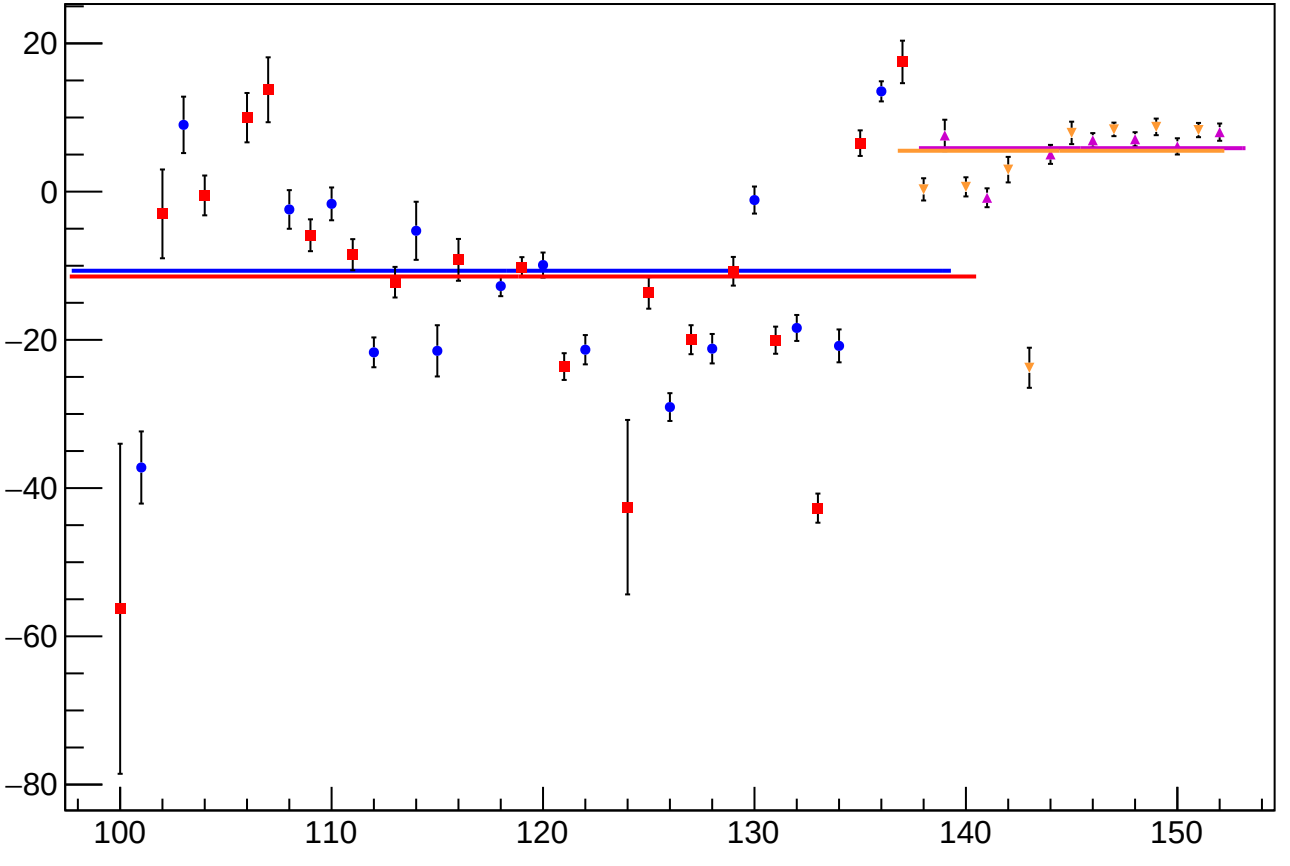
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -30.073+/-0.355 χ^2/NDF:6897.8/22

Out: -30.928+/-0.363 χ^2/NDF:9899.9/26

All: -30.491+/-0.254 χ^2/NDF: 16800.5/49

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: 5.863+/-0.439 χ^2/NDF:35.0/6

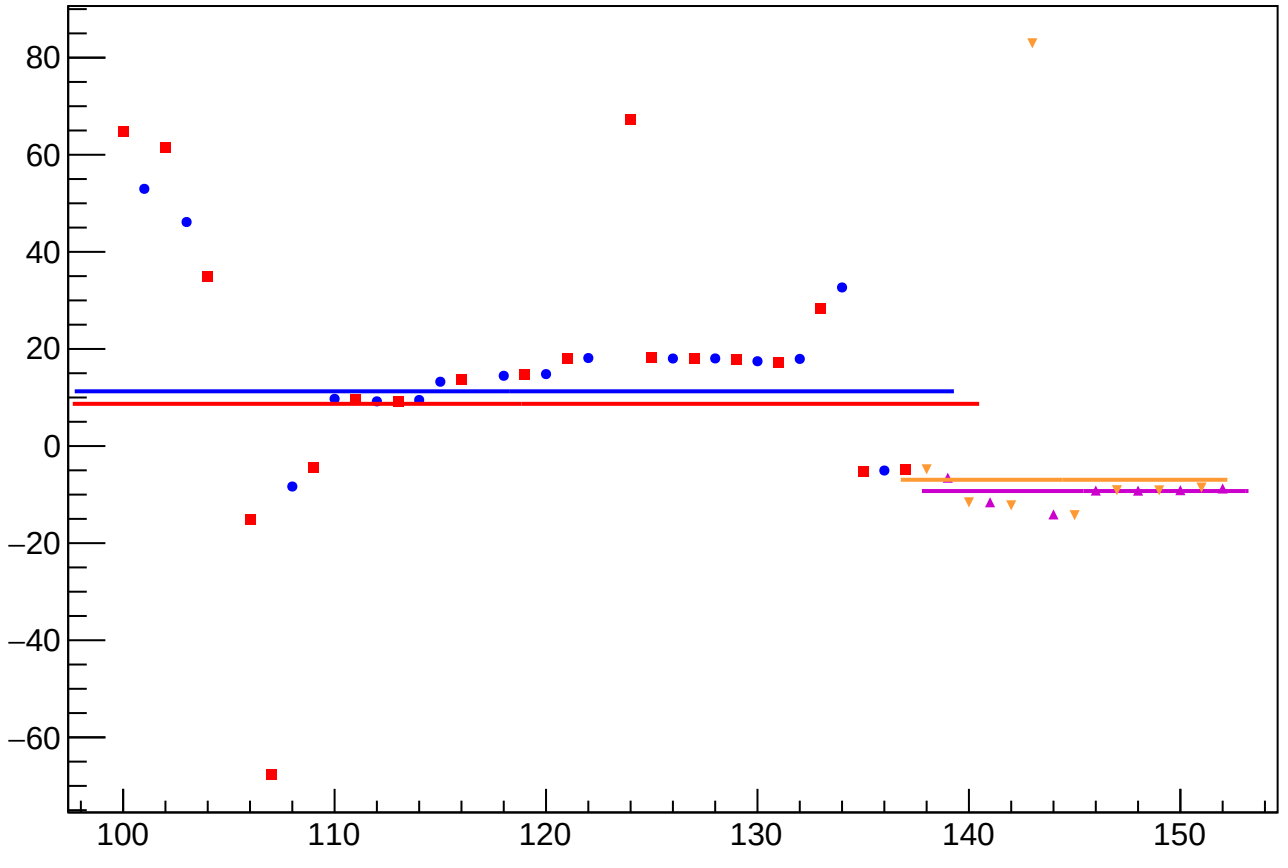
Left: 5.692+/-0.313 χ^2/NDF: 210.2/14

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -1.251+/-0.332 χ^2/NDF:1311.4/22

Out: -1.733+/-0.337 χ^2/NDF:1459.6/26

All: -1.488+/-0.236 χ^2/NDF: 2772.1/49



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: -9.264+/-0.021 χ^2/NDF:10200.9/6

Left: -8.188+/-0.015 χ^2/NDF: 487580.3/14

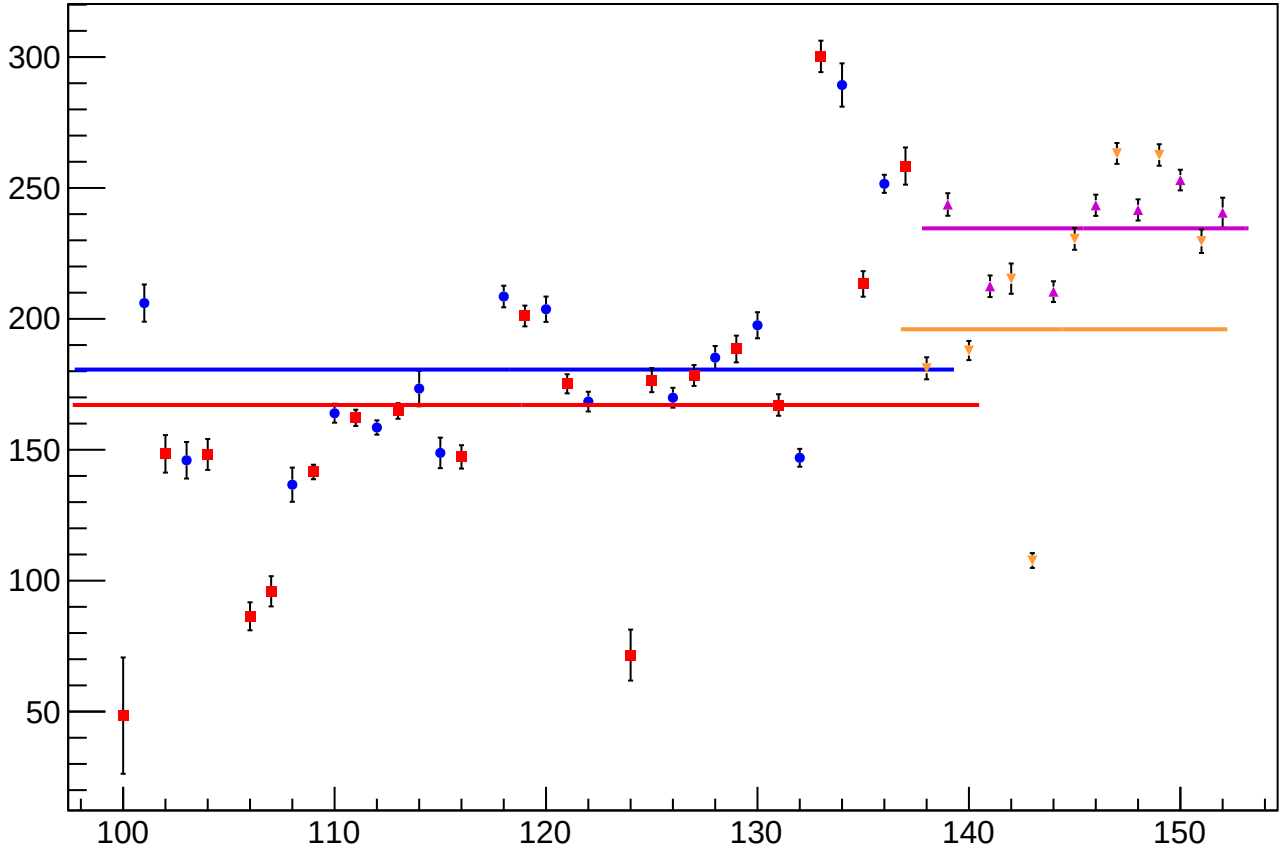
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -2.686+/-0.017 χ^2/NDF:679892.3/22

Out: -1.770+/-0.018 χ^2/NDF:1073457.1/26

All: -2.258+/-0.012 χ^2/NDF: 1754718.2/49

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: 234.566+/-1.595 χ^2/NDF:101.1/6

Left: 212.742+/-1.050 χ^2/NDF: 2097.1/14

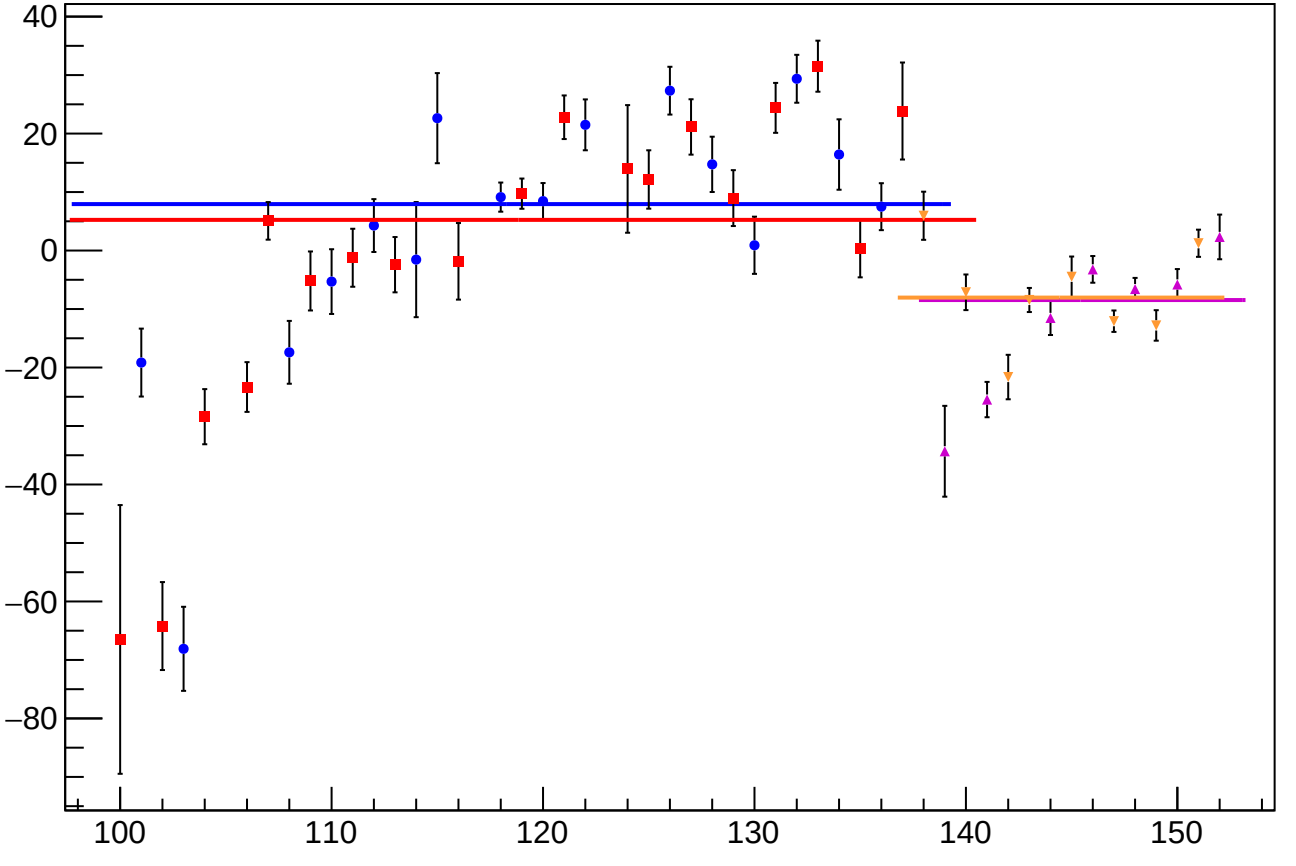
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 197.799+/-0.900 χ^2/NDF:1874.2/22

Out: 177.184+/-0.824 χ^2/NDF:3429.7/26

All: 186.587+/-0.608 χ^2/NDF: 5589.5/49

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: -8.464+/-1.041 χ^2/NDF:59.2/6

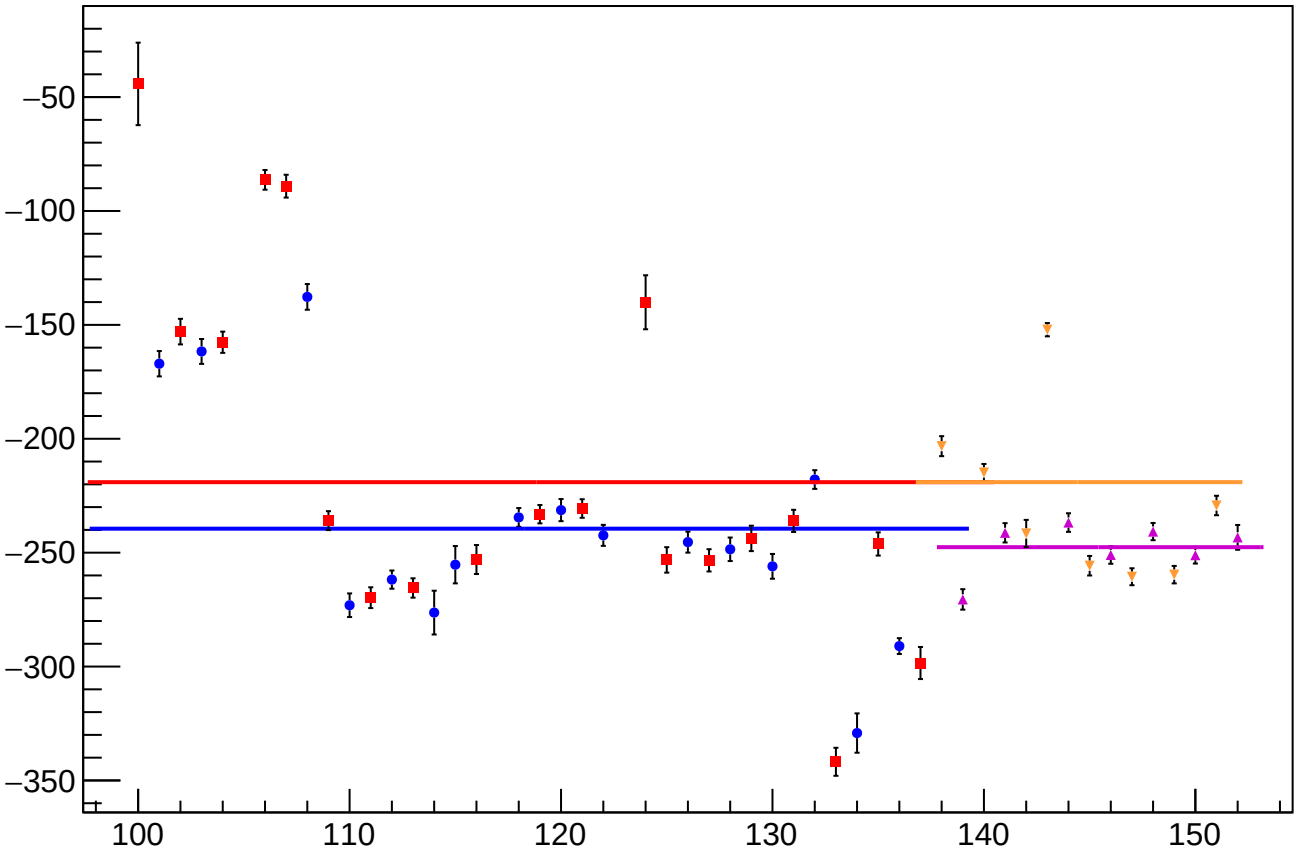
Left: -8.228+/-0.689 χ^2/NDF: 108.9/14

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

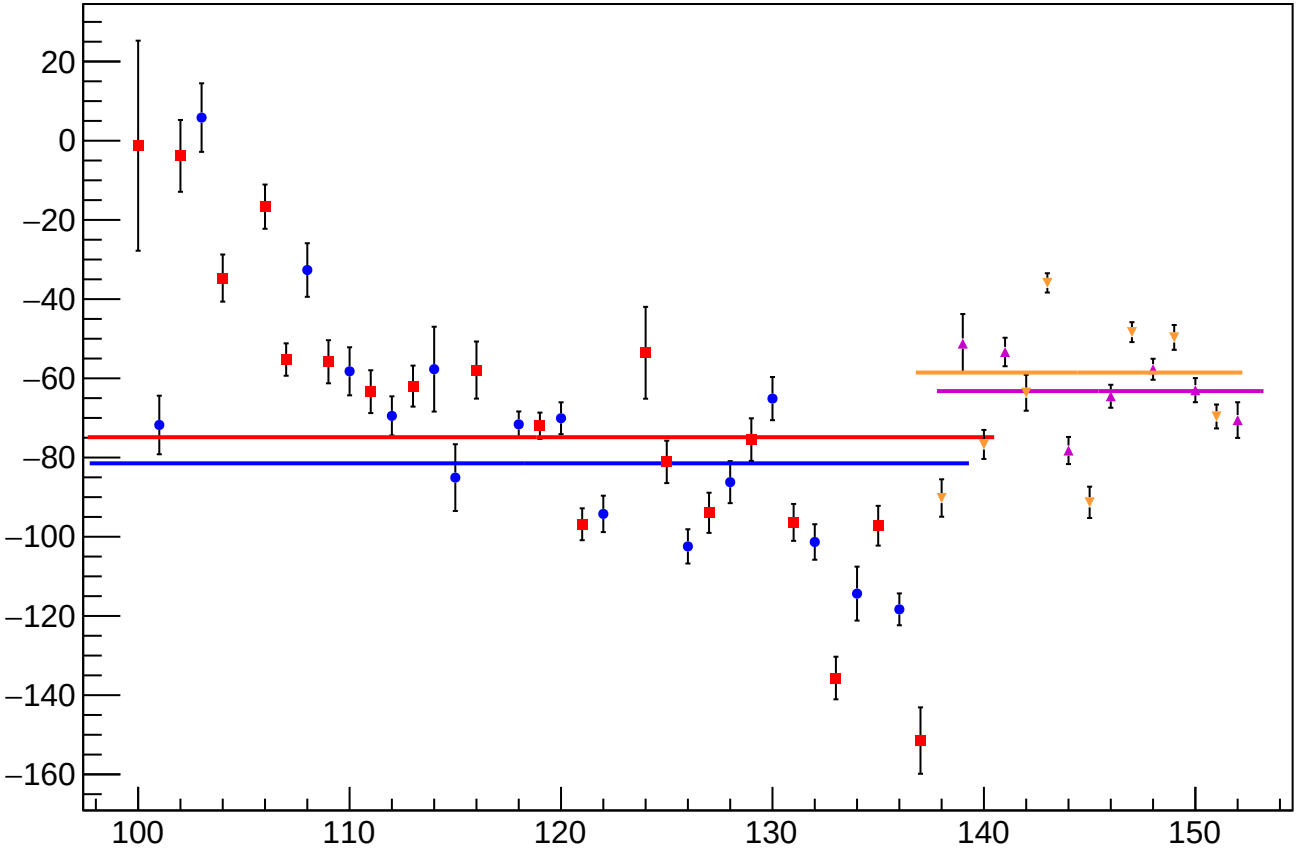
In: -0.814+/-0.760 χ^2/NDF:408.0/22

Out: -2.357+/-0.695 χ^2/NDF:442.1/26

All: -1.655+/-0.513 χ^2/NDF: 852.4/49


reg_asym_at1_avg_at2_avg_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: -247.587+/-1.563 χ²/NDF:40.9/6
Left: -231.649+/-1.039 χ²/NDF: 1095.7/14
Right: -228.679+/-0.855 χ²/NDF: 4353.5/34
In: -242.620+/-0.974 χ²/NDF:1219.6/22
Out: -219.044+/-0.898 χ²/NDF:3917.9/26
All: -229.878+/-0.660 χ²/NDF: 5454.1/49

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: -63.225+/-1.293 χ^2/NDF:36.5/6

Left: -60.590+/-0.855 χ^2/NDF: 307.6/14

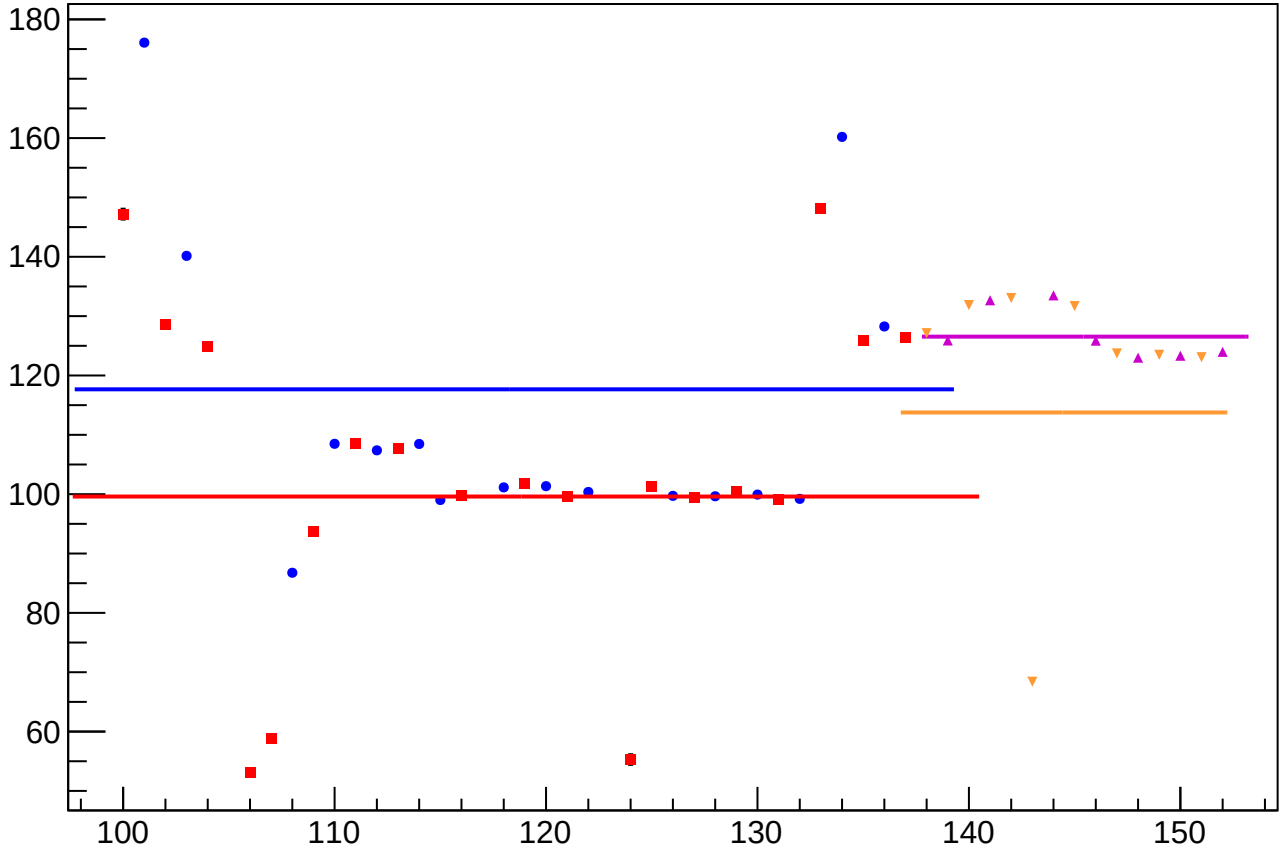
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -72.384+/-0.912 χ^2/NDF:502.9/22

Out: -66.080+/-0.836 χ^2/NDF:935.0/26

All: -68.959+/-0.616 χ^2/NDF: 1463.9/49

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 113.768+/-0.058 χ^2/NDF:183964.2/7

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.543+/-0.063 χ^2/NDF:3900.9/6

Left: 119.638+/-0.043 χ^2/NDF: 210058.1/14

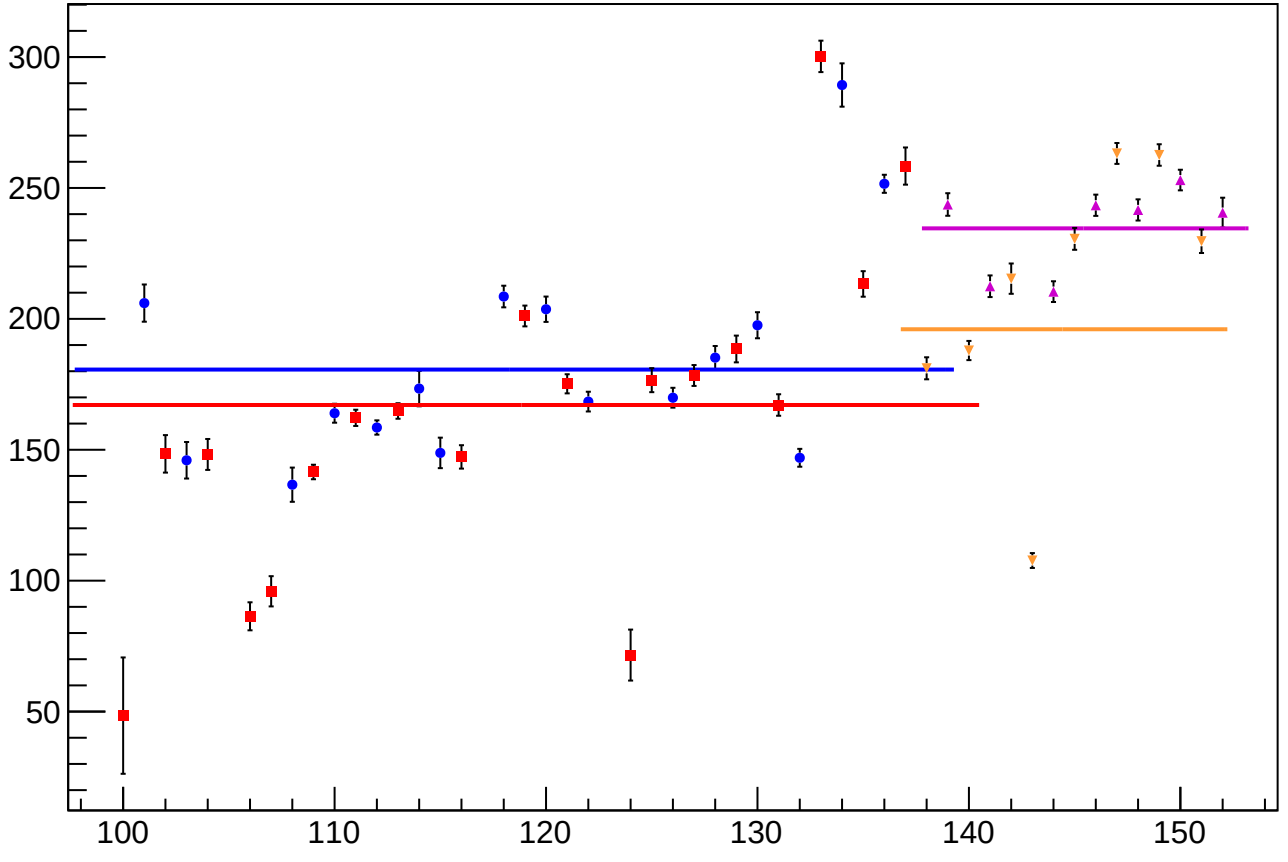
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.049+/-0.049 χ^2/NDF:107102.3/22

Out: 108.017+/-0.045 χ^2/NDF:374308.3/26

All: 114.847+/-0.033 χ^2/NDF: 532567.8/49

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: 234.566+/-1.595 χ^2/NDF:101.1/6

Left: 212.742+/-1.050 χ^2/NDF: 2097.1/14

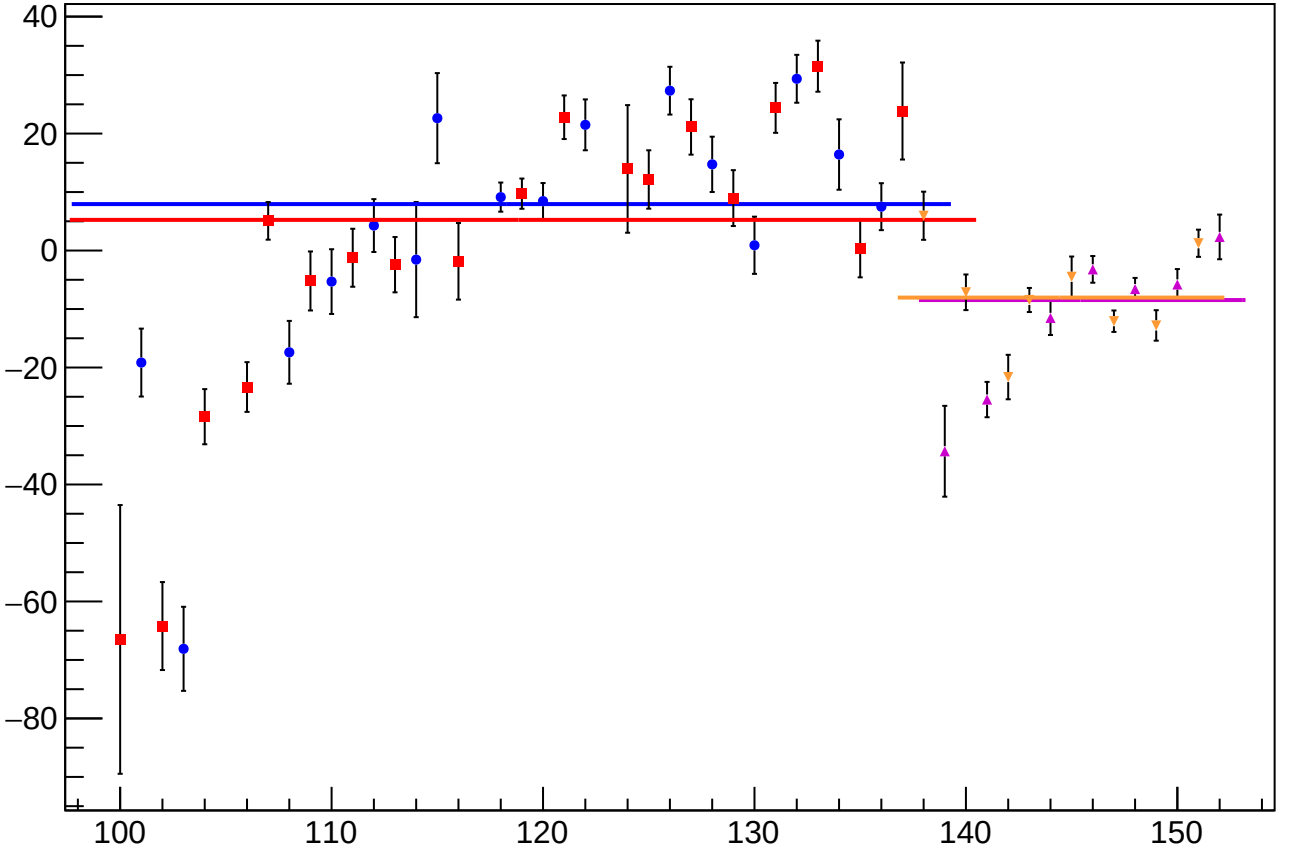
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 197.799+/-0.900 χ^2/NDF:1874.2/22

Out: 177.184+/-0.824 χ^2/NDF:3429.7/26

All: 186.587+/-0.608 χ^2/NDF: 5589.5/49

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: -8.464+/-1.041 χ^2/NDF:59.2/6

Left: -8.228+/-0.689 χ^2/NDF: 108.9/14

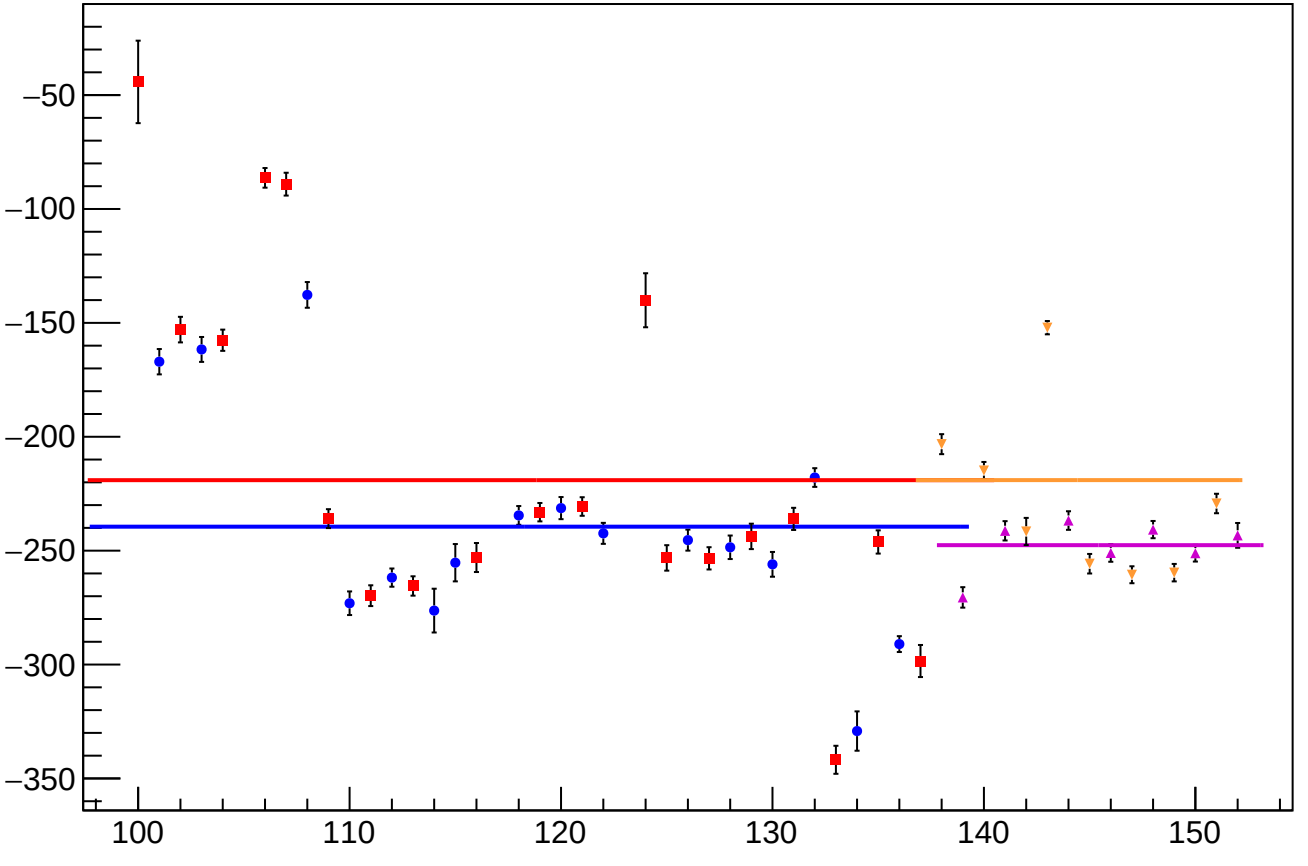
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.814+/-0.760 χ^2/NDF:408.0/22

Out: -2.357+/-0.695 χ^2/NDF:442.1/26

All: -1.655+/-0.513 χ^2/NDF: 852.4/49

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -219.030+/-1.391 χ^2/NDF:868.6/7

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.587+/-1.563 χ^2/NDF:40.9/6

Left: -231.649+/-1.039 χ^2/NDF: 1095.7/14

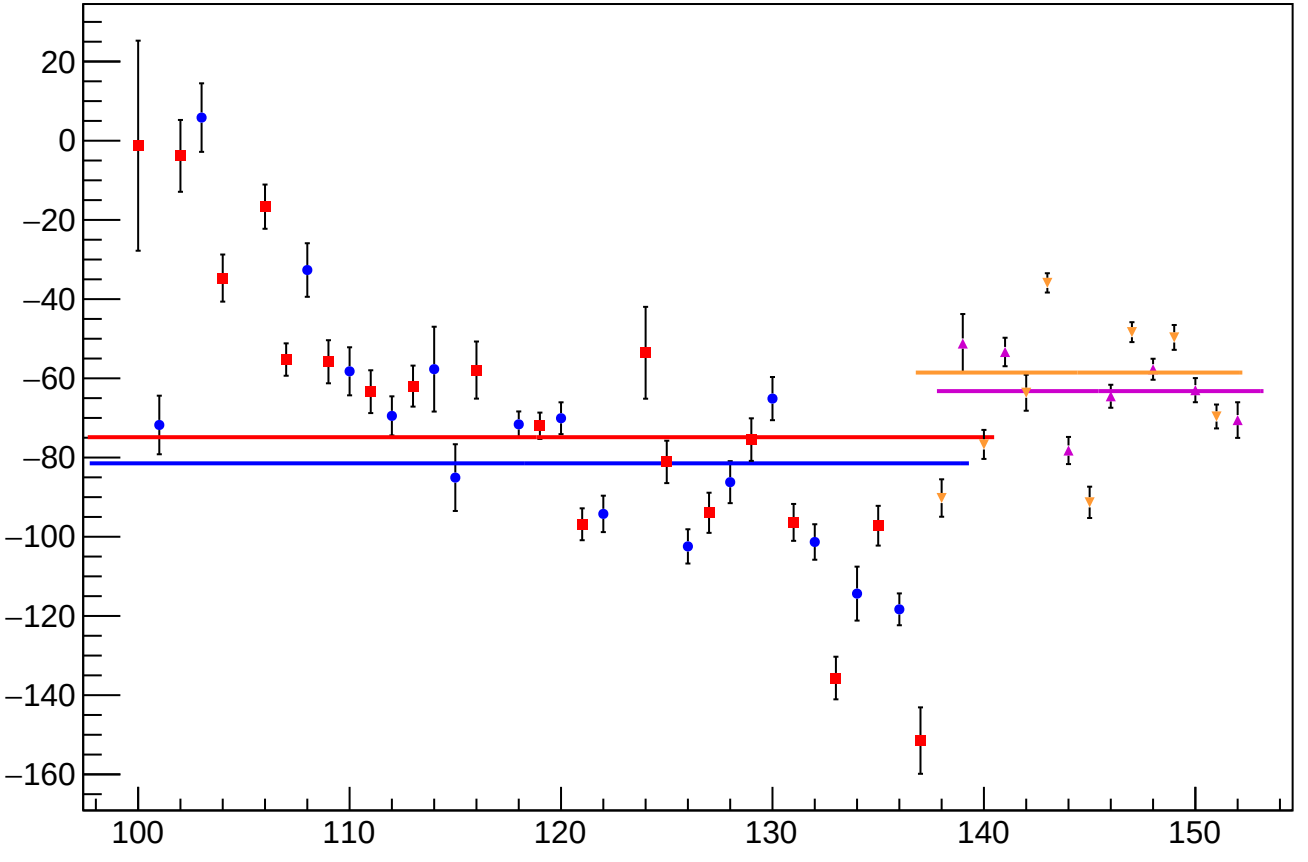
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.620+/-0.974 χ^2/NDF:1219.6/22

Out: -219.044+/-0.898 χ^2/NDF:3917.9/26

All: -229.878+/-0.660 χ^2/NDF: 5454.1/49

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: -63.225+/-1.293 χ^2/NDF:36.5/6

Left: -60.590+/-0.855 χ^2/NDF: 307.6/14

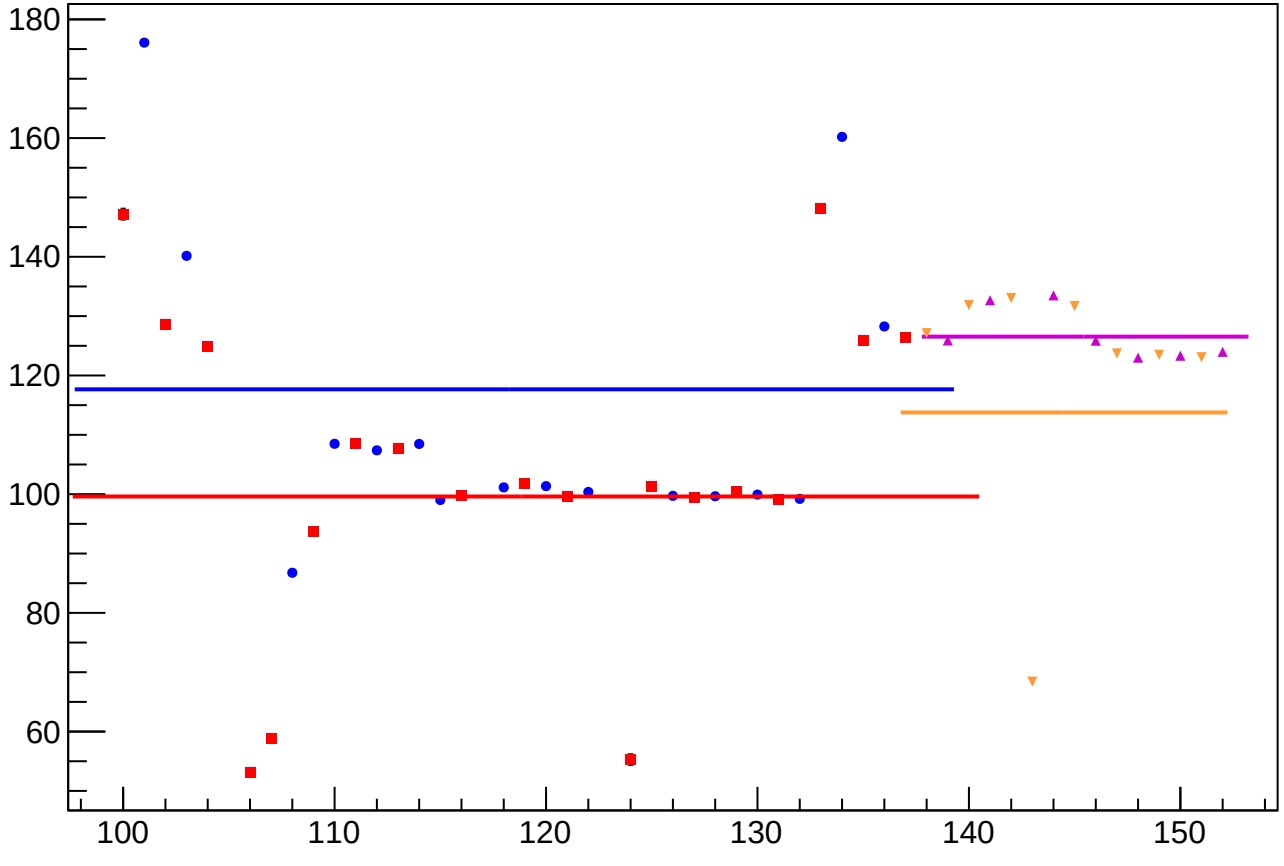
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -72.384+/-0.912 χ^2/NDF:502.9/22

Out: -66.080+/-0.836 χ^2/NDF:935.0/26

All: -68.959+/-0.616 χ^2/NDF: 1463.9/49

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: 126.543+/-0.063 χ^2/NDF:3900.9/6

Left: 119.638+/-0.043 χ^2/NDF: 210058.1/14

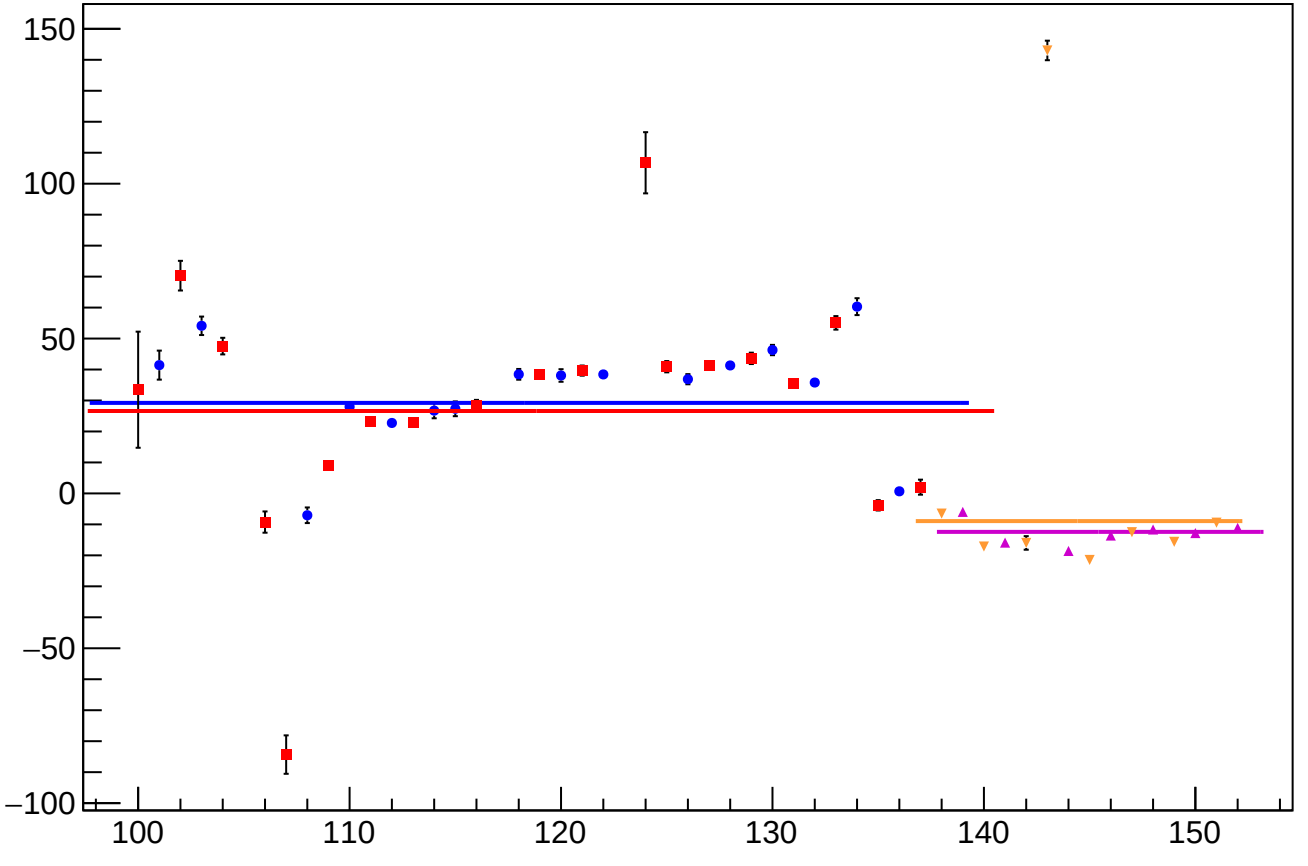
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.049+/-0.049 χ^2/NDF:107102.3/22

Out: 108.017+/-0.045 χ^2/NDF:374308.3/26

All: 114.847+/-0.033 χ^2/NDF: 532567.8/49

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: -12.418+/-0.528 χ^2/NDF:52.7/6

Left: -10.721+/-0.378 χ^2/NDF: 2540.8/14

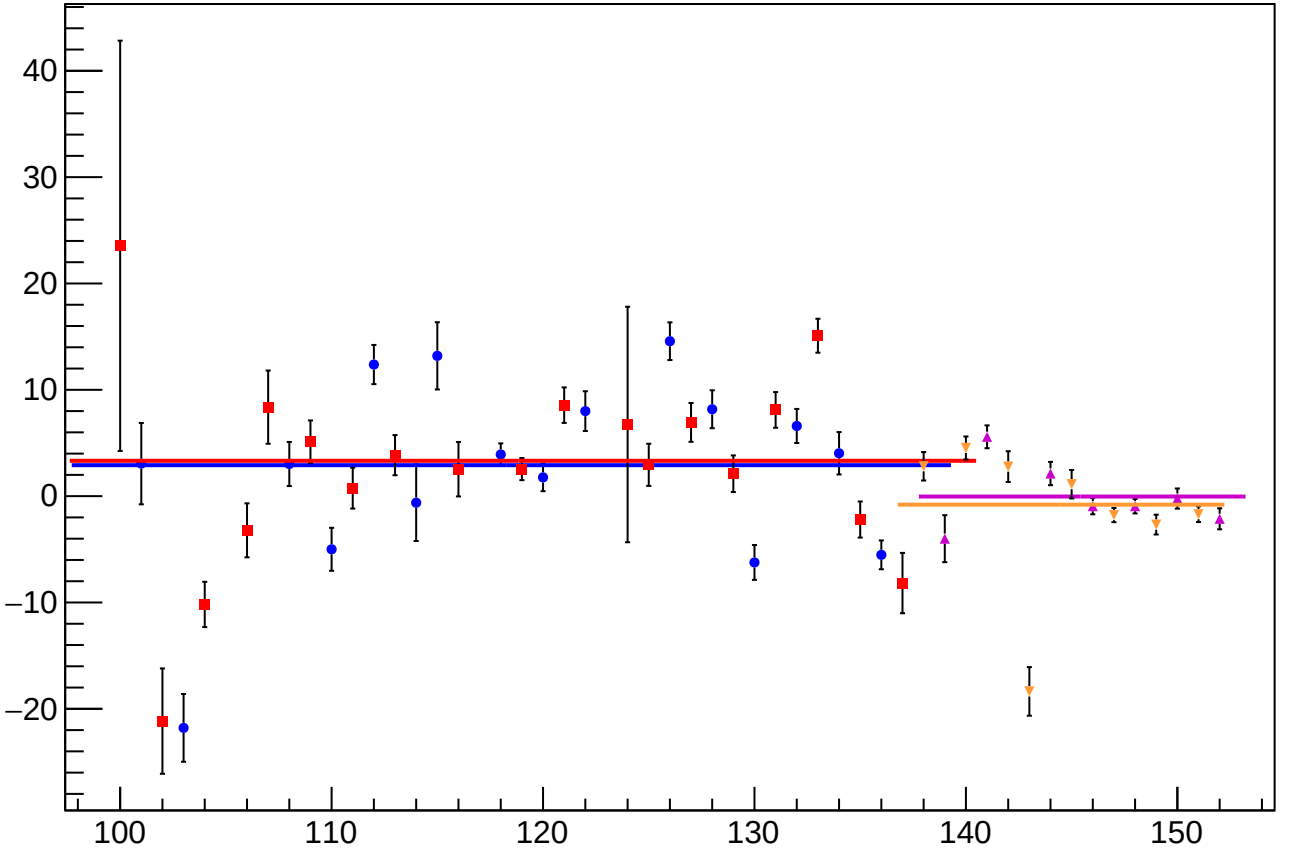
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 12.901+/-0.331 χ^2/NDF:5173.2/22

Out: 13.490+/-0.329 χ^2/NDF:7107.4/26

All: 13.197+/-0.233 χ^2/NDF: 12282.2/49

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: -0.035+/-0.356 χ^2/NDF:42.2/6

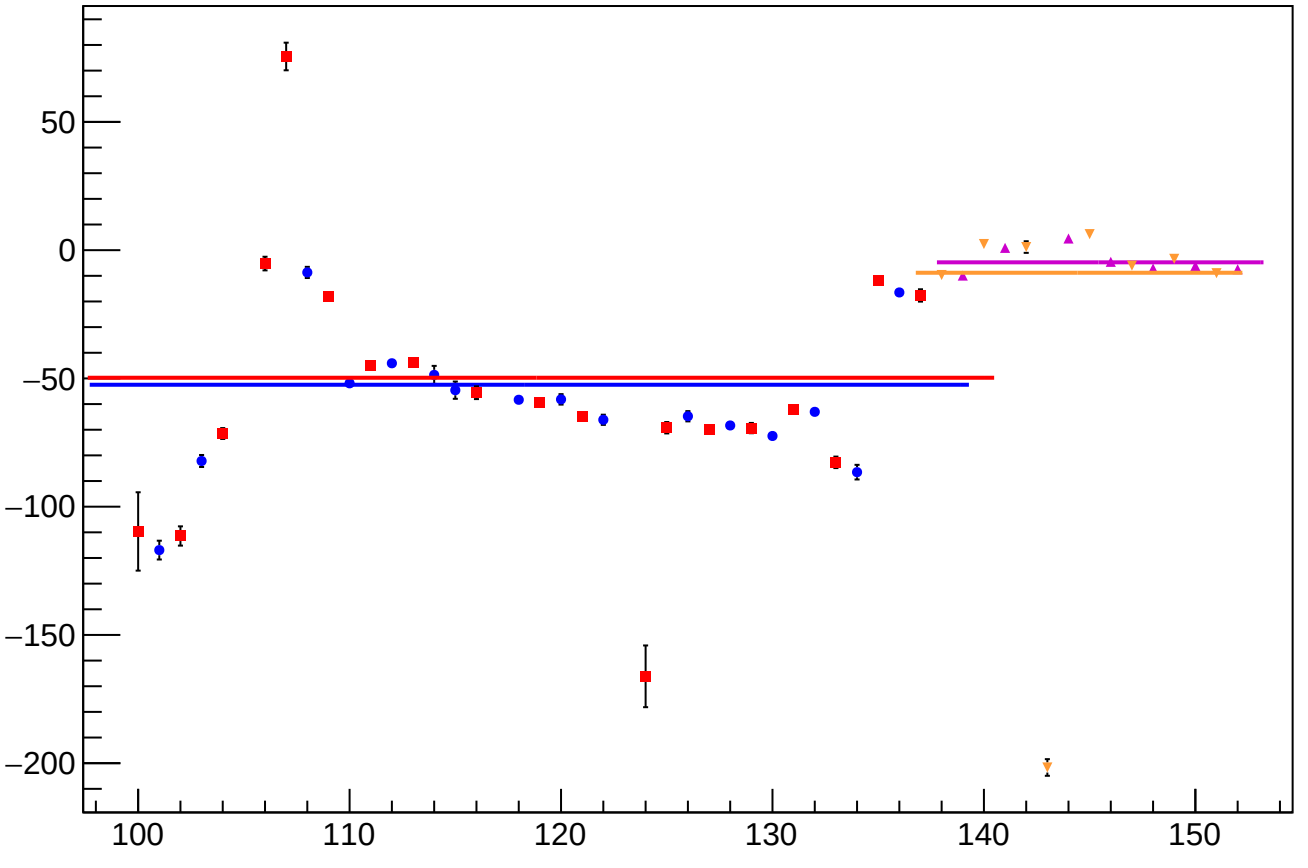
Left: -0.416+/-0.252 χ^2/NDF: 151.0/14

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.123+/-0.277 χ^2/NDF:319.1/22

Out: 0.776+/-0.280 χ^2/NDF:339.4/26

All: 0.951+/-0.197 χ^2/NDF: 659.3/49



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: -4.741+/-0.519 χ^2/NDF:75.6/6

Left: -6.707+/-0.373 χ^2/NDF: 3841.9/14

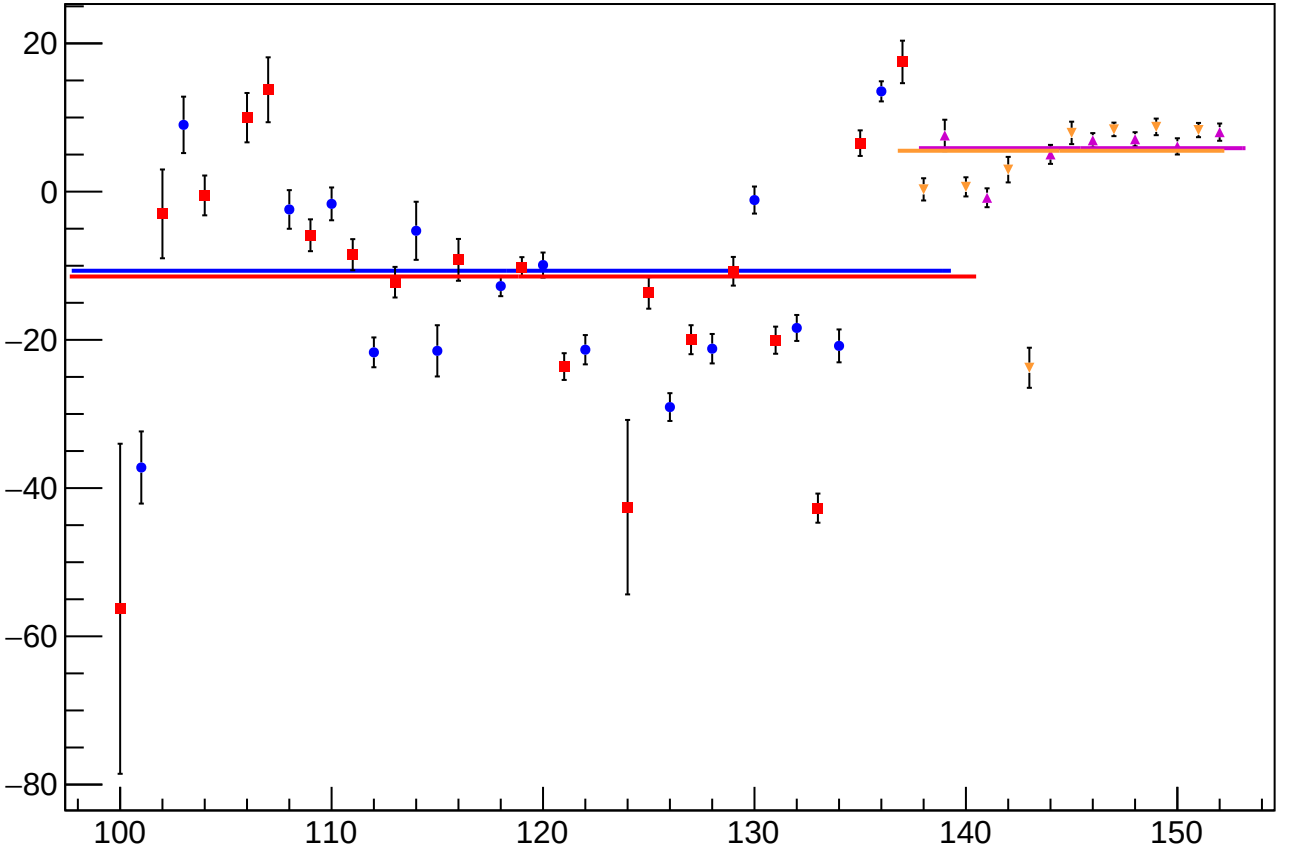
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -30.073+/-0.355 χ^2/NDF:6897.8/22

Out: -30.928+/-0.363 χ^2/NDF:9899.9/26

All: -30.491+/-0.254 χ^2/NDF: 16800.5/49

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: 5.863+/-0.439 χ^2/NDF:35.0/6

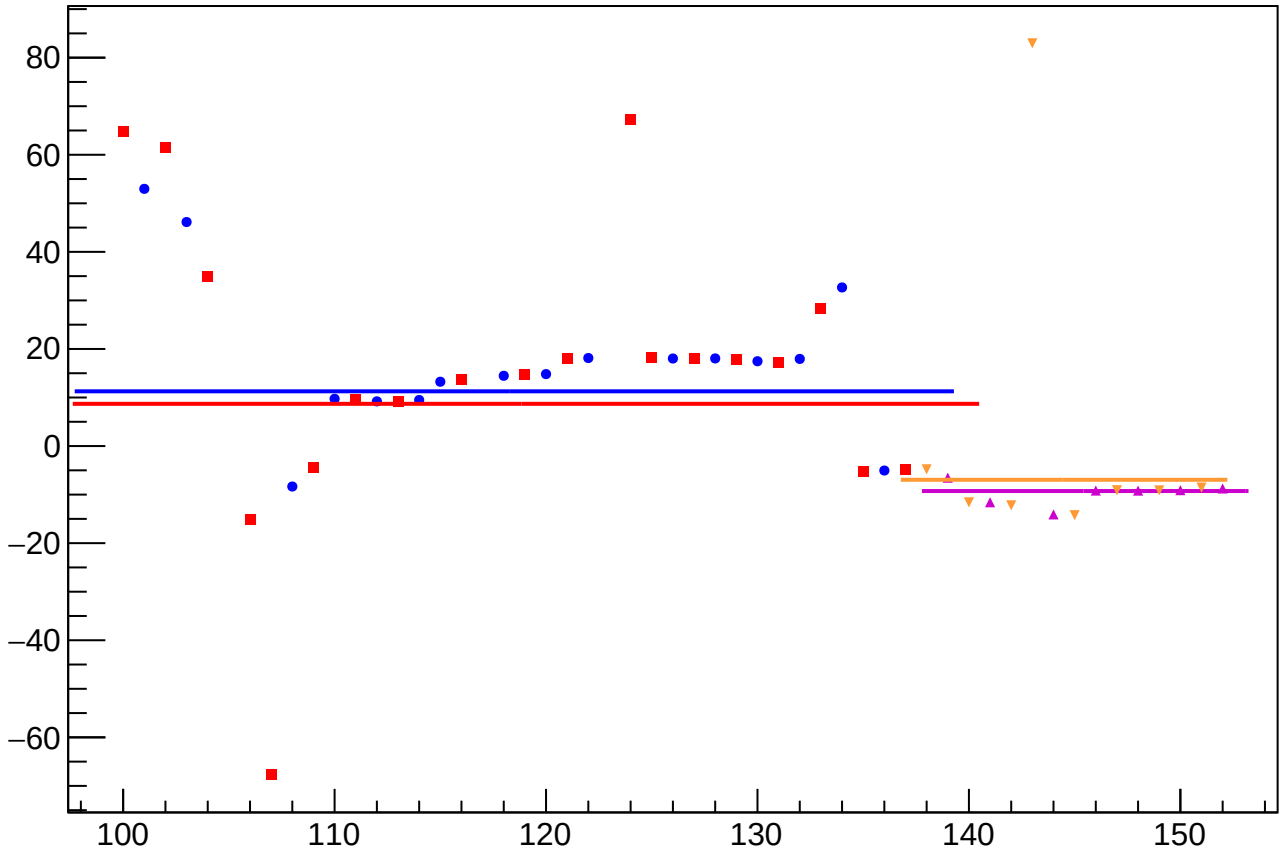
Left: 5.692+/-0.313 χ^2/NDF: 210.2/14

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -1.251+/-0.332 χ^2/NDF:1311.4/22

Out: -1.733+/-0.337 χ^2/NDF:1459.6/26

All: -1.488+/-0.236 χ^2/NDF: 2772.1/49



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: -9.264+/-0.021 χ^2/NDF:10200.9/6

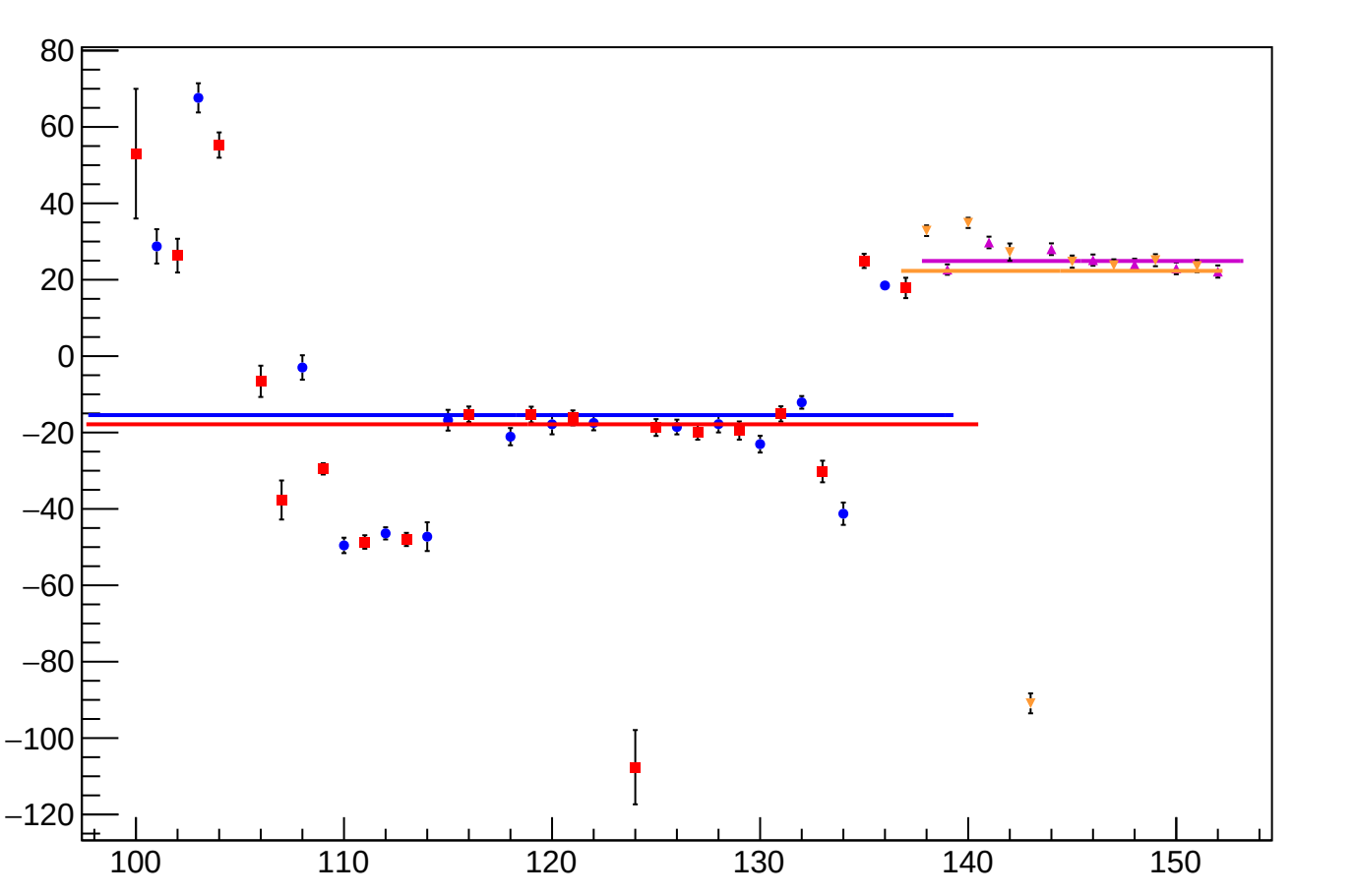
Left: -8.188+/-0.015 χ^2/NDF: 487580.3/14

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

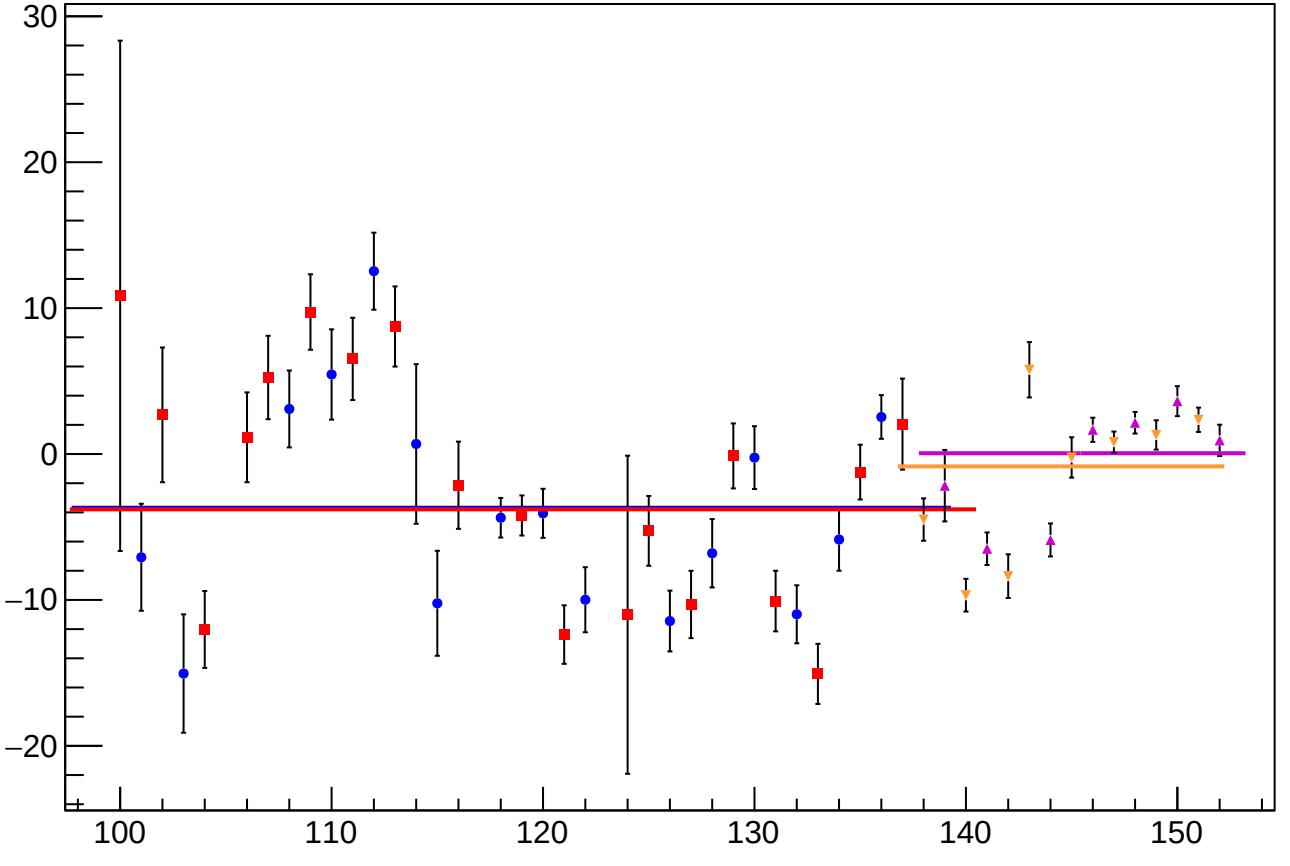
In: -2.686+/-0.017 χ^2/NDF:679892.3/22

Out: -1.770+/-0.018 χ^2/NDF:1073457.1/26

All: -2.258+/-0.012 χ^2/NDF: 1754718.2/49


reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 22.317+/-0.576 χ²/NDF:2035.6/7
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 24.910+/-0.568 χ²/NDF:22.1/6
Left: 23.630+/-0.404 χ²/NDF: 2068.1/14
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 3.672+/-0.391 χ²/NDF:4799.9/22
Out: 0.565+/-0.390 χ²/NDF:6797.2/26
All: 2.113+/-0.276 χ²/NDF: 11628.9/49

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -0.848+/-0.382 χ^2/NDF:130.6/7

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: 0.055+/-0.382 χ^2/NDF:87.5/6

Left: -0.397+/-0.270 χ^2/NDF: 220.8/14

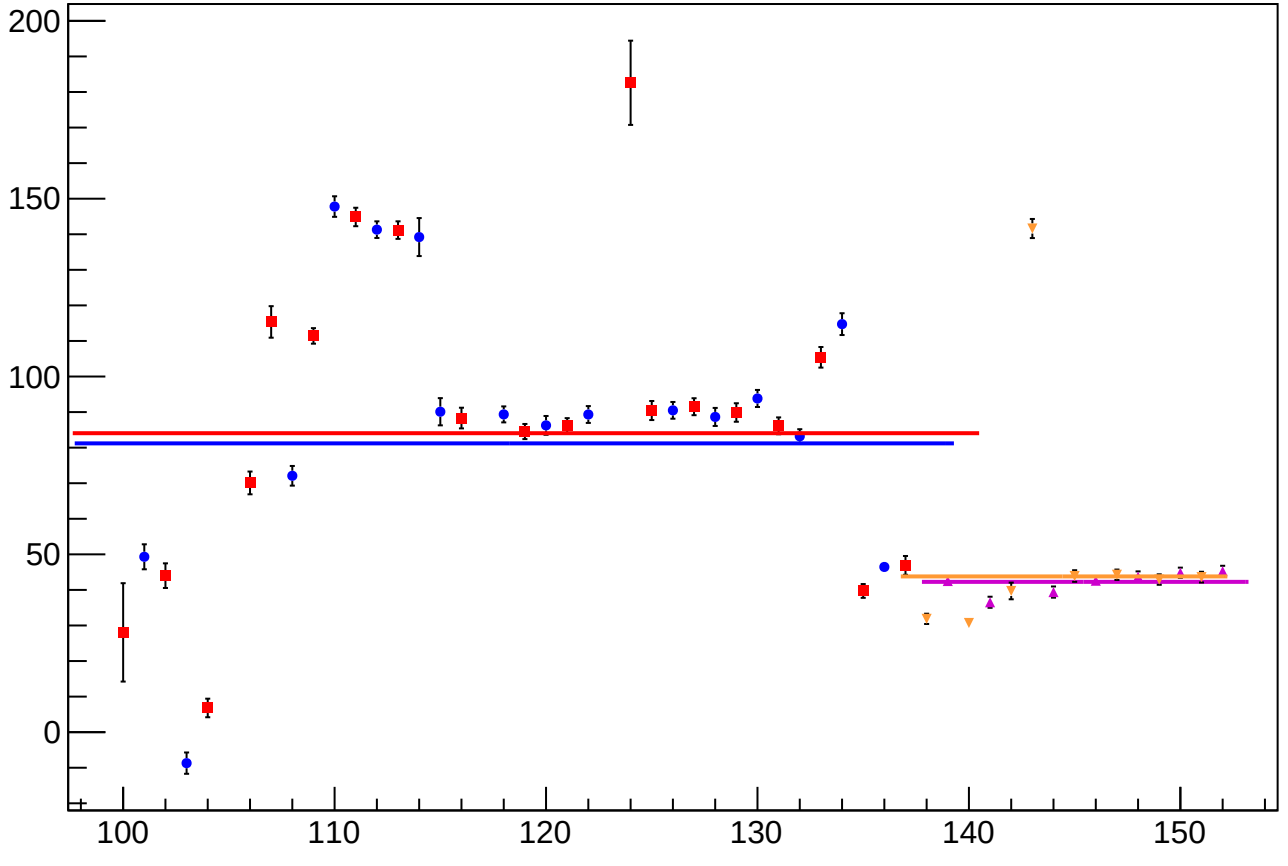
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.155+/-0.314 χ^2/NDF:242.4/22

Out: -1.772+/-0.316 χ^2/NDF:310.5/26

All: -1.462+/-0.223 χ^2/NDF: 554.8/49

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: 42.264+/-0.558 χ^2/NDF:25.1/6

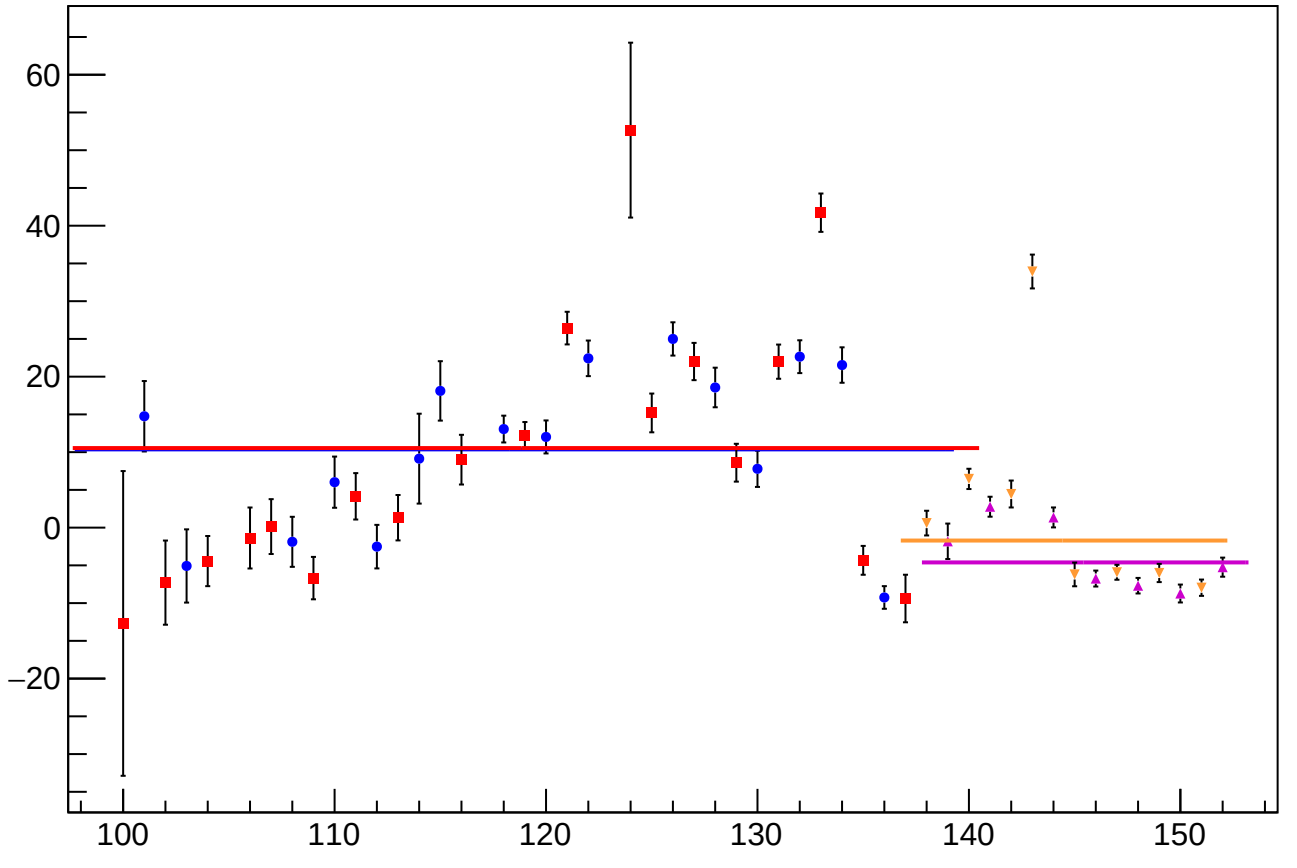
Left: 43.011+/-0.399 χ^2/NDF: 1516.1/14

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

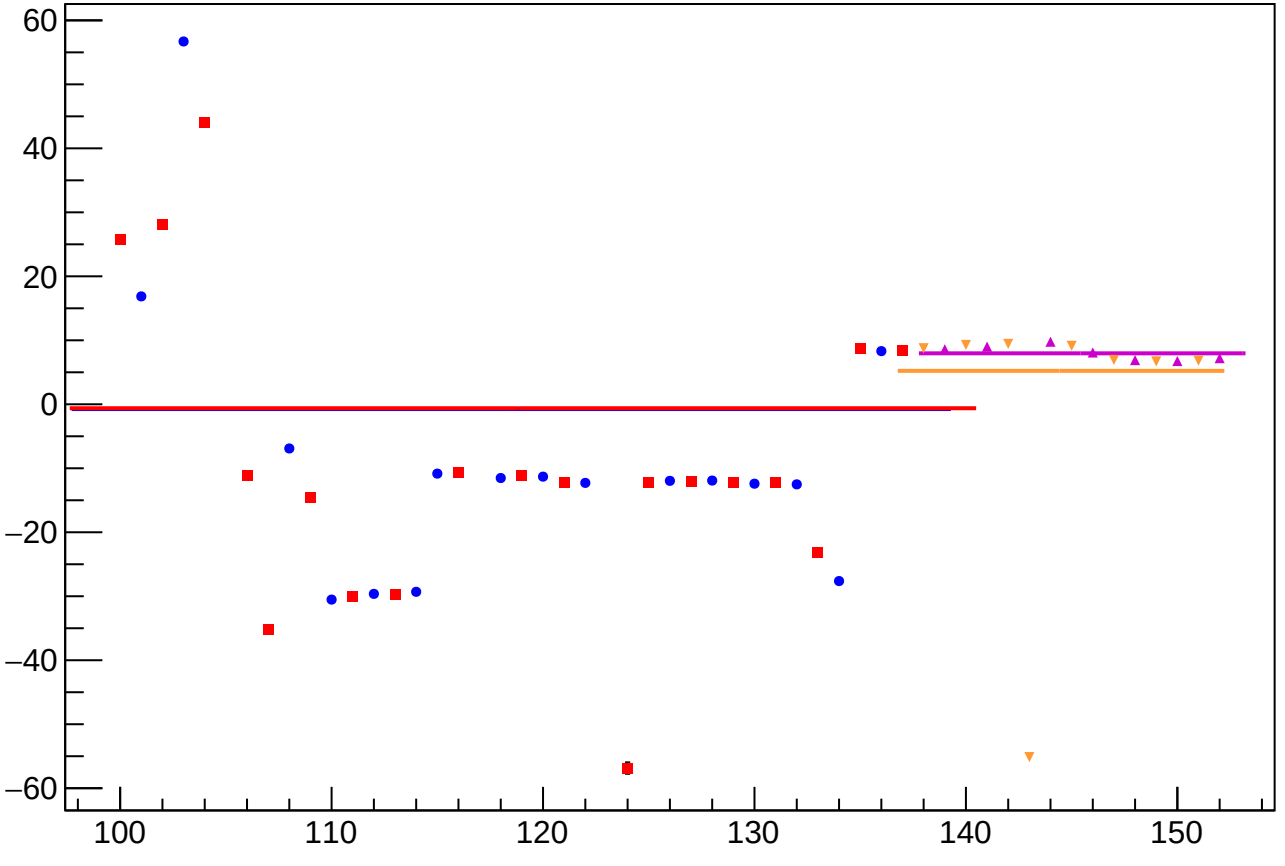
In: 60.109+/-0.411 χ^2/NDF:5484.5/22

Out: 62.387+/-0.419 χ^2/NDF:6992.6/26

All: 61.226+/-0.293 χ^2/NDF: 12492.2/49


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.711+/-0.476 χ²/NDF:376.3/7
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -4.610+/-0.471 χ²/NDF:78.3/6
Left: -3.174+/-0.335 χ²/NDF: 473.3/14
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.804+/-0.377 χ²/NDF:802.9/22
Out: 2.648+/-0.382 χ²/NDF:1082.9/26
All: 1.713+/-0.268 χ²/NDF: 1897.6/49

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.227+/-0.024 χ^2/NDF:307627.6/7

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.964+/-0.022 χ^2/NDF:2050.9/6

Left: 6.680+/-0.016 χ^2/NDF: 316829.6/14

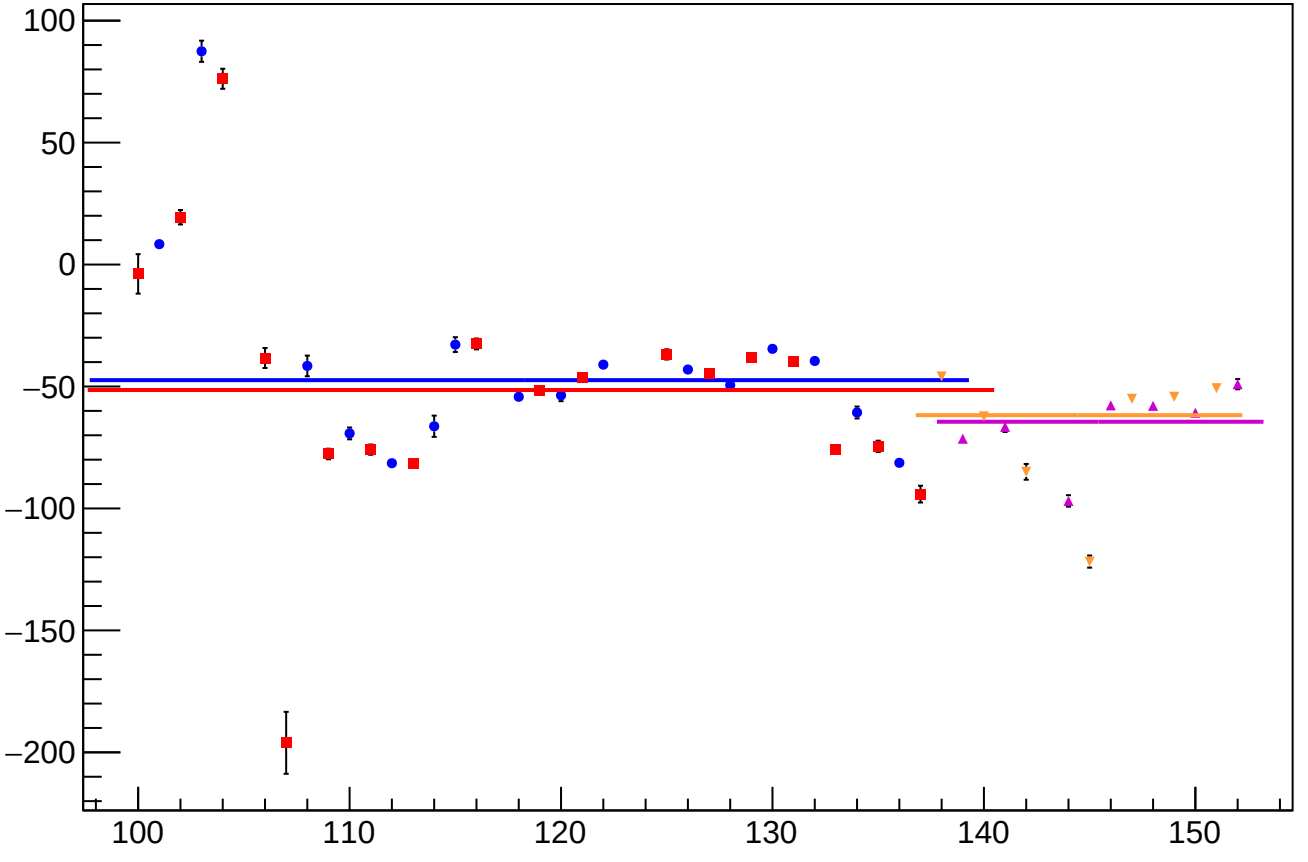
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.558+/-0.019 χ^2/NDF:412688.1/22

Out: 3.560+/-0.020 χ^2/NDF:641644.7/26

All: 4.615+/-0.014 χ^2/NDF: 1059634.8/49

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -61.756+/-0.769 χ^2/NDF:772.9/6

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -64.451+/-0.741 χ^2/NDF:291.9/6

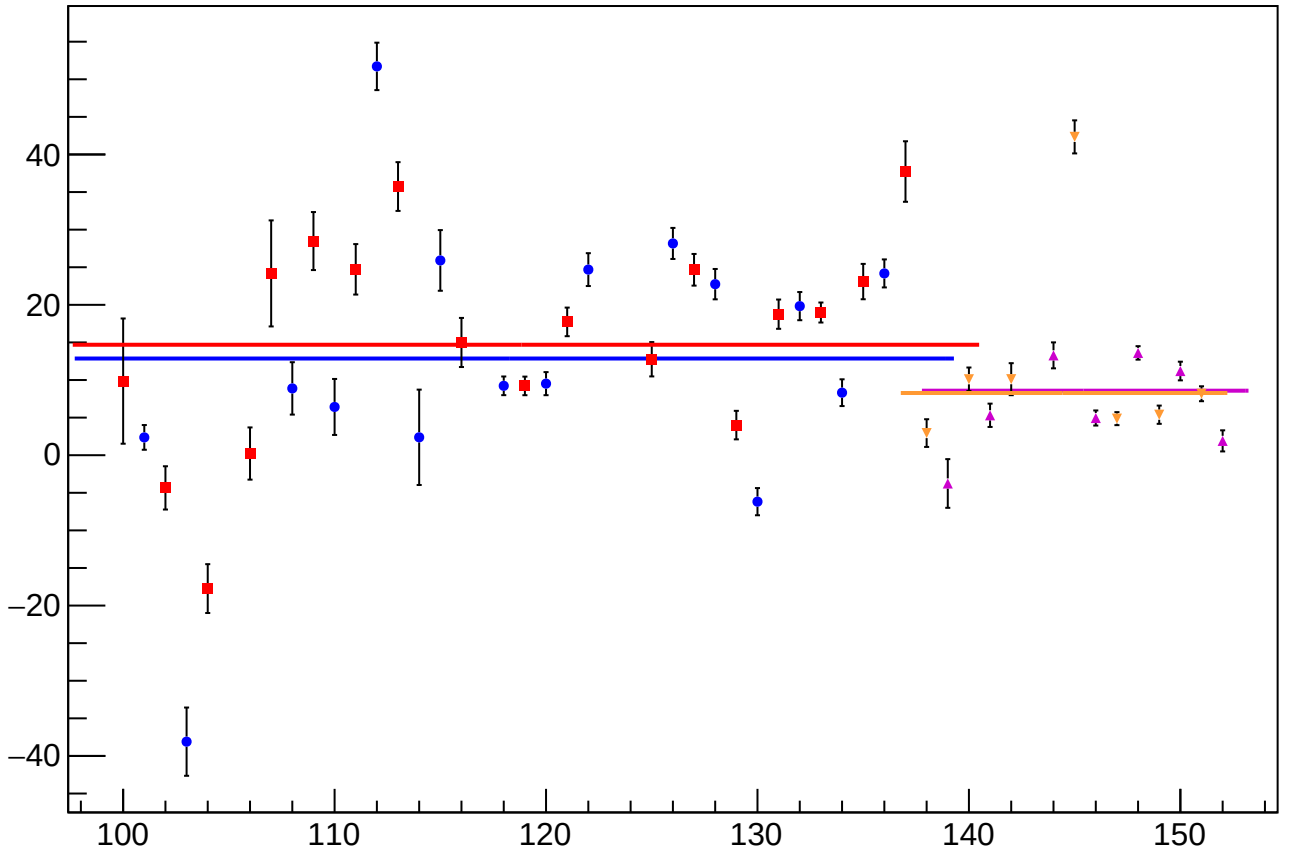
Left: -63.154+/-0.534 χ^2/NDF: 1071.2/13

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -53.243+/-0.434 χ^2/NDF:3409.1/22

Out: -54.893+/-0.445 χ^2/NDF:3765.4/24

All: -54.048+/-0.311 χ^2/NDF: 7181.5/47



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: 8.580+/-0.486 χ^2/NDF:98.0/6

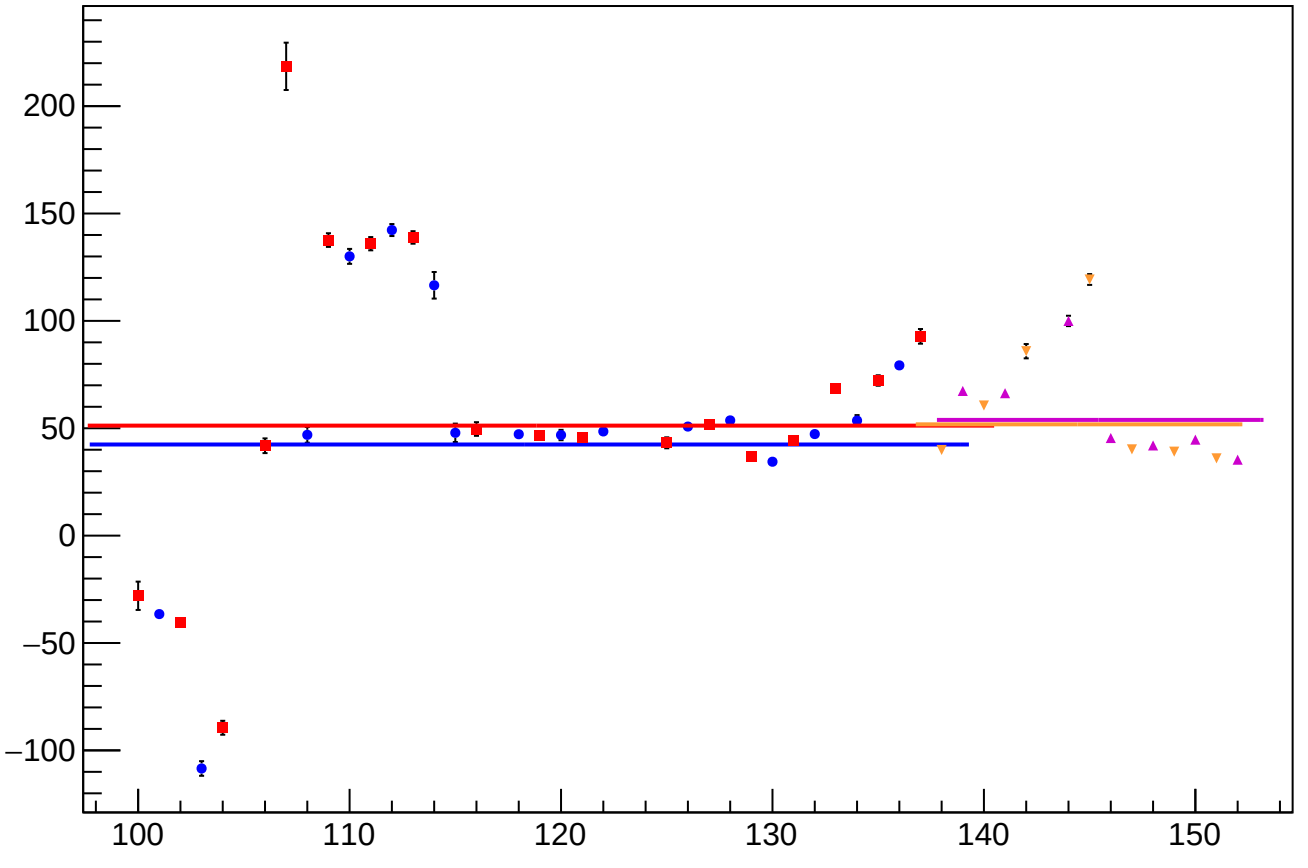
Left: 8.429+/-0.345 χ^2/NDF: 369.8/13

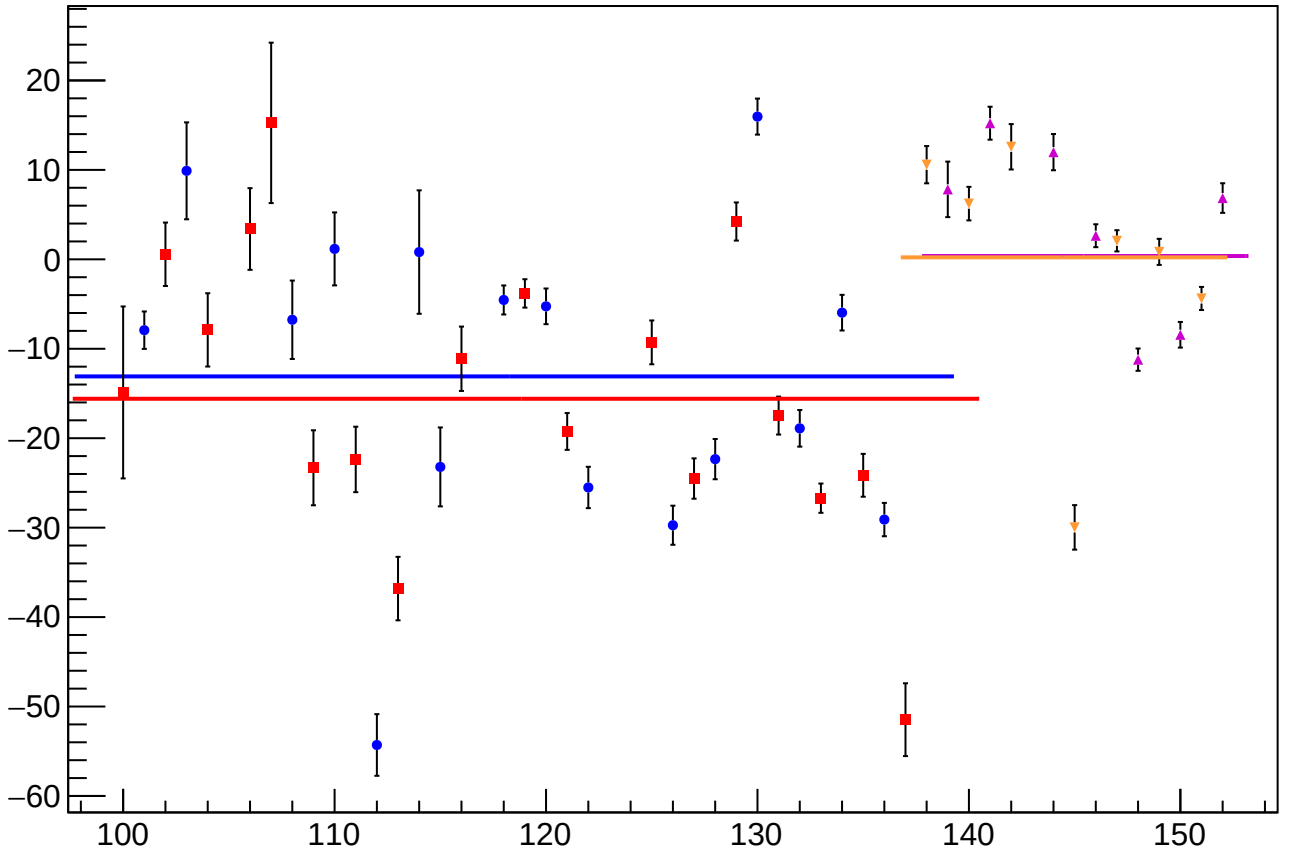
Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 10.579+/-0.355 χ^2/NDF:759.7/22

Out: 11.148+/-0.364 χ^2/NDF:712.4/24

All: 10.856+/-0.254 χ^2/NDF: 1473.4/47


reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
Right In: 42.437+/-0.584 χ²/NDF: 7168.9/15
Left Out: 51.824+/-0.756 χ²/NDF:1055.2/6
Right Out: 51.226+/-0.615 χ²/NDF: 6611.3/17
Left In: 53.891+/-0.724 χ²/NDF:632.8/6
Left: 52.902+/-0.523 χ²/NDF: 1691.9/13
Right: 46.608+/-0.424 χ²/NDF: 13887.6/33
In: 46.955+/-0.455 χ²/NDF:7953.3/22
Out: 51.464+/-0.477 χ²/NDF:7666.8/24
All: 49.102+/-0.329 χ²/NDF: 15667.0/47



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: 0.370+/-0.603 χ^2/NDF:246.2/6

Left: 0.296+/-0.432 χ^2/NDF: 467.4/13

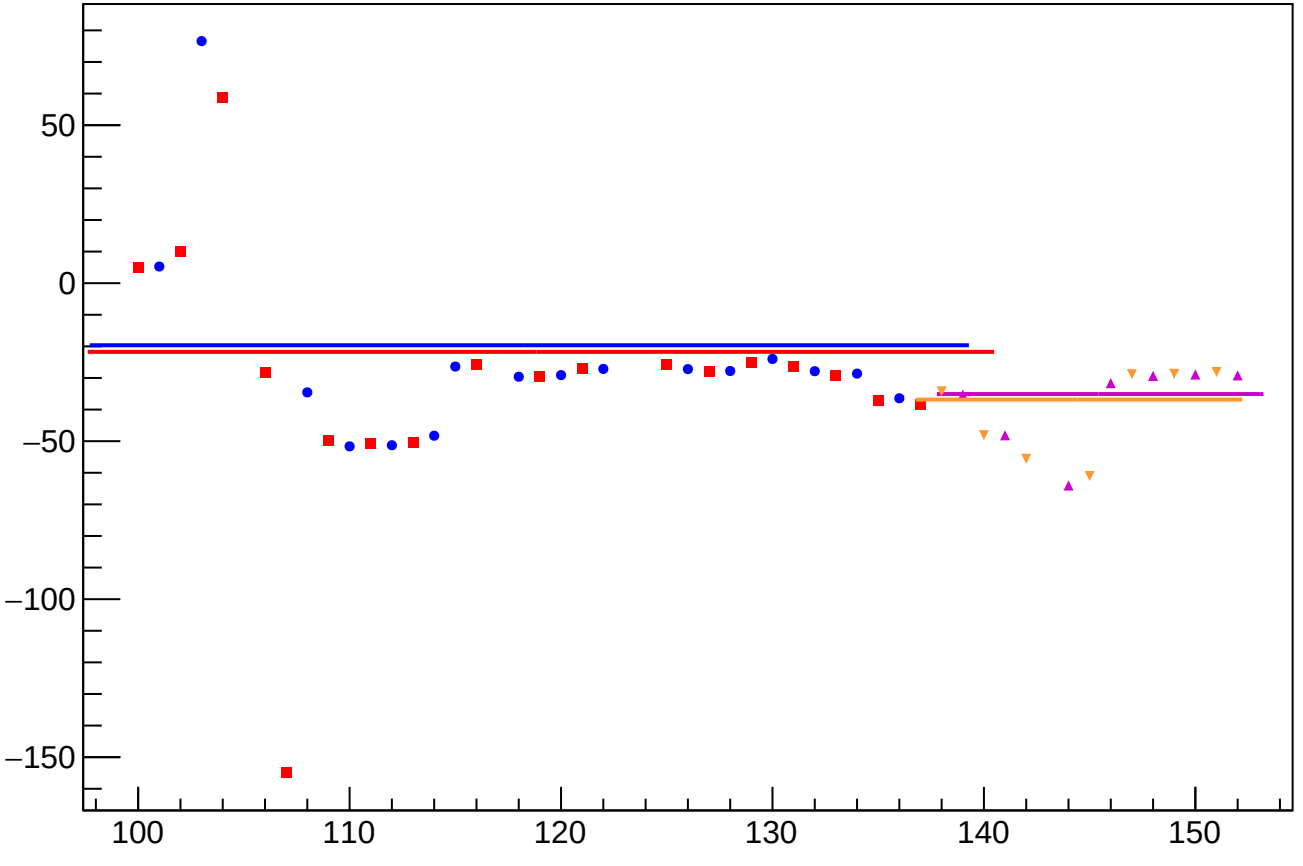
Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -6.401+/-0.425 χ^2/NDF:1136.4/22

Out: -7.580+/-0.440 χ^2/NDF:945.2/24

All: -6.970+/-0.306 χ^2/NDF: 2085.3/47

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -36.842+/-0.031 χ^2/NDF:134319.9/6

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -35.089+/-0.029 χ^2/NDF:116268.1/6

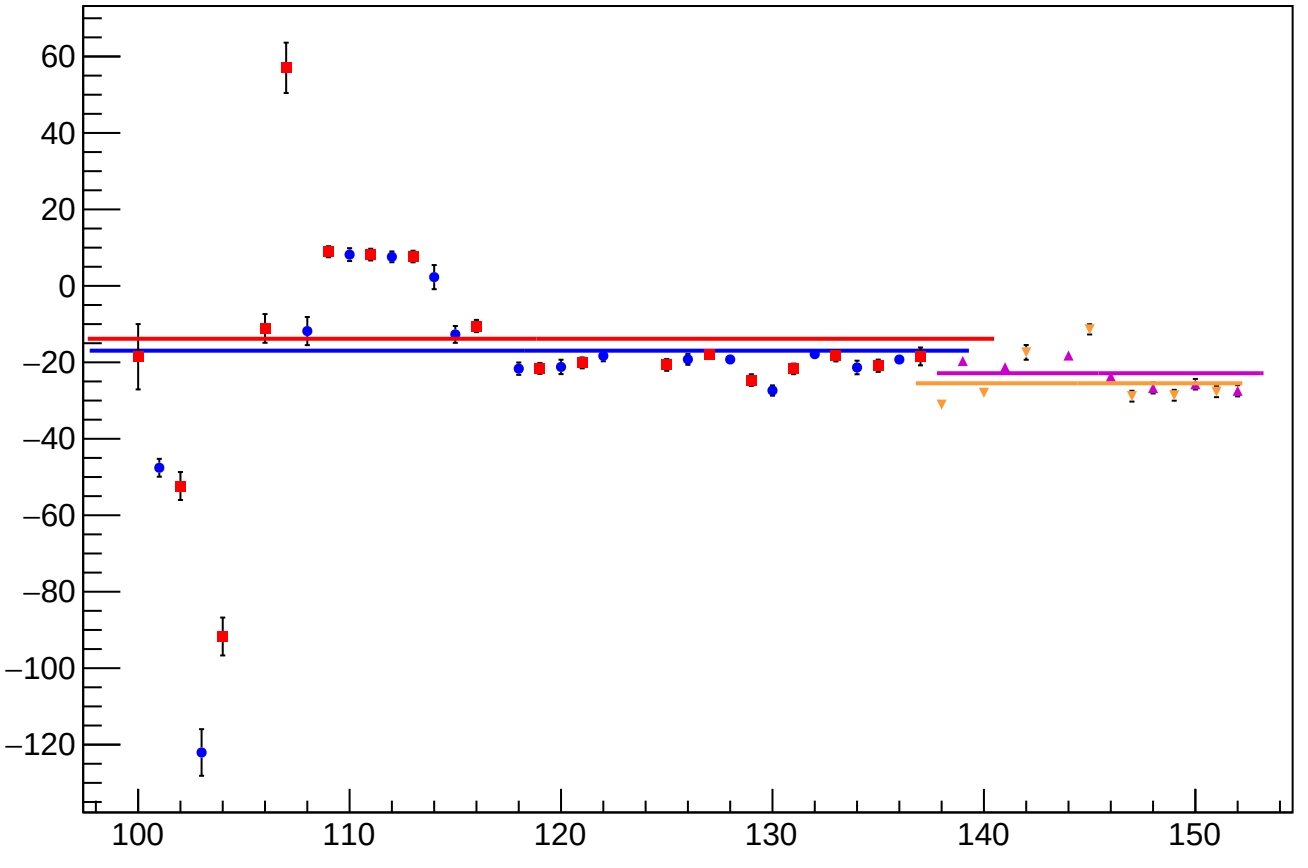
Left: -35.890+/-0.021 χ^2/NDF: 252290.5/13

Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.108+/-0.022 χ^2/NDF:875287.5/22

Out: -30.897+/-0.024 χ^2/NDF:772589.5/24

All: -29.929+/-0.017 χ^2/NDF: 1650788.0/47



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -25.483+/-0.515 χ^2/NDF:168.5/6

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -22.853+/-0.498 χ^2/NDF:44.2/6

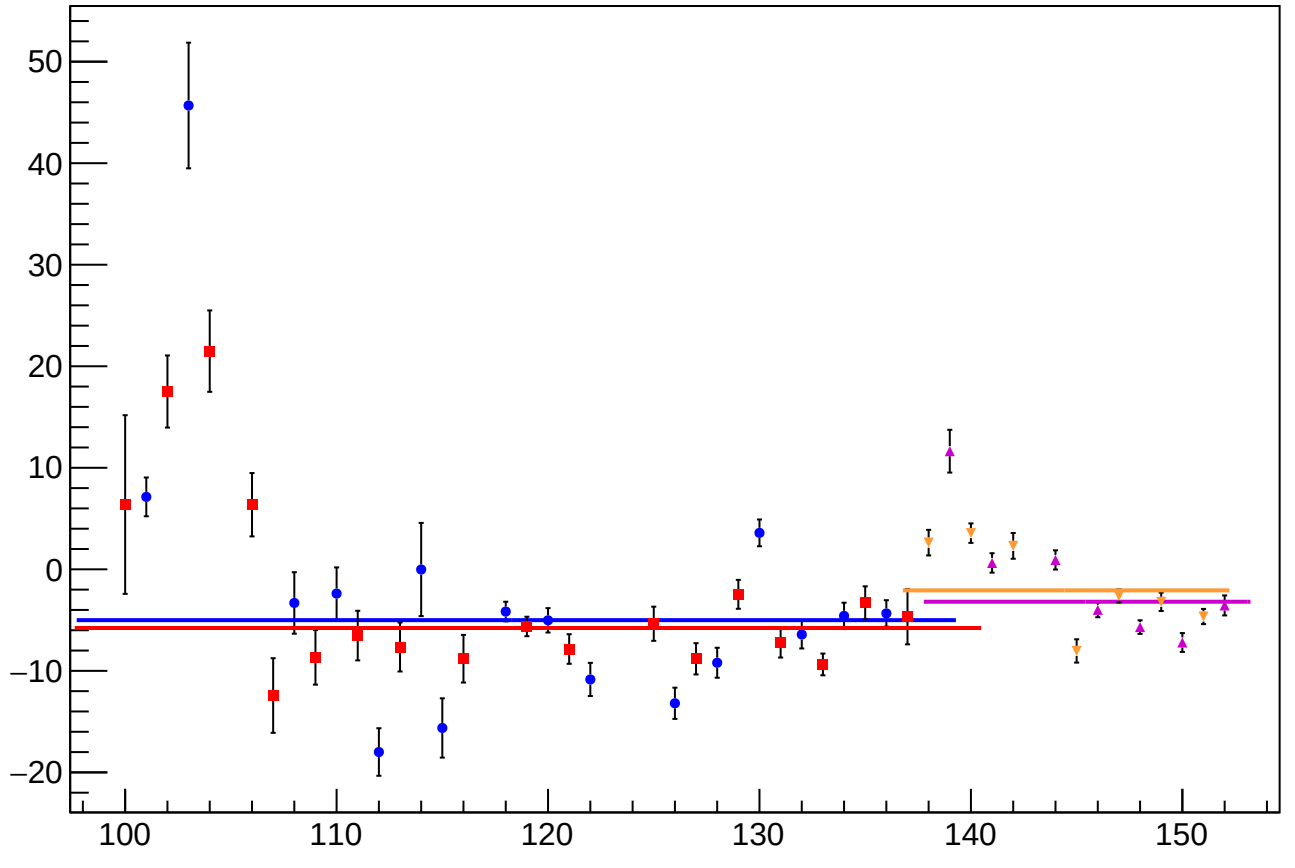
Left: -24.124+/-0.358 χ^2/NDF: 226.3/13

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -19.293+/-0.314 χ^2/NDF:1257.3/22

Out: -18.345+/-0.320 χ^2/NDF:1815.2/24

All: -18.829+/-0.224 χ^2/NDF: 3077.0/47



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: -3.192+/-0.338 χ^2/NDF:118.5/6

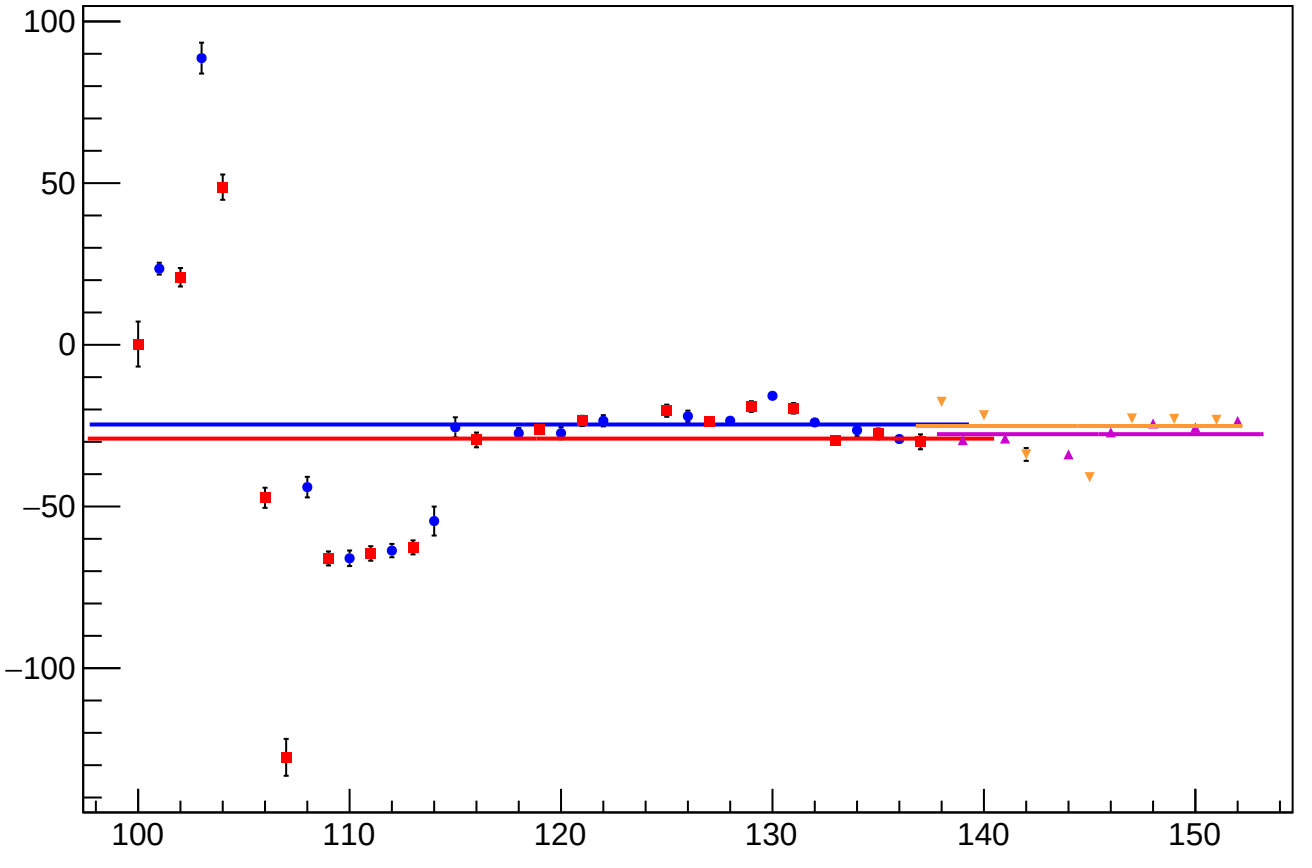
Left: -2.641+/-0.241 χ^2/NDF: 225.4/13

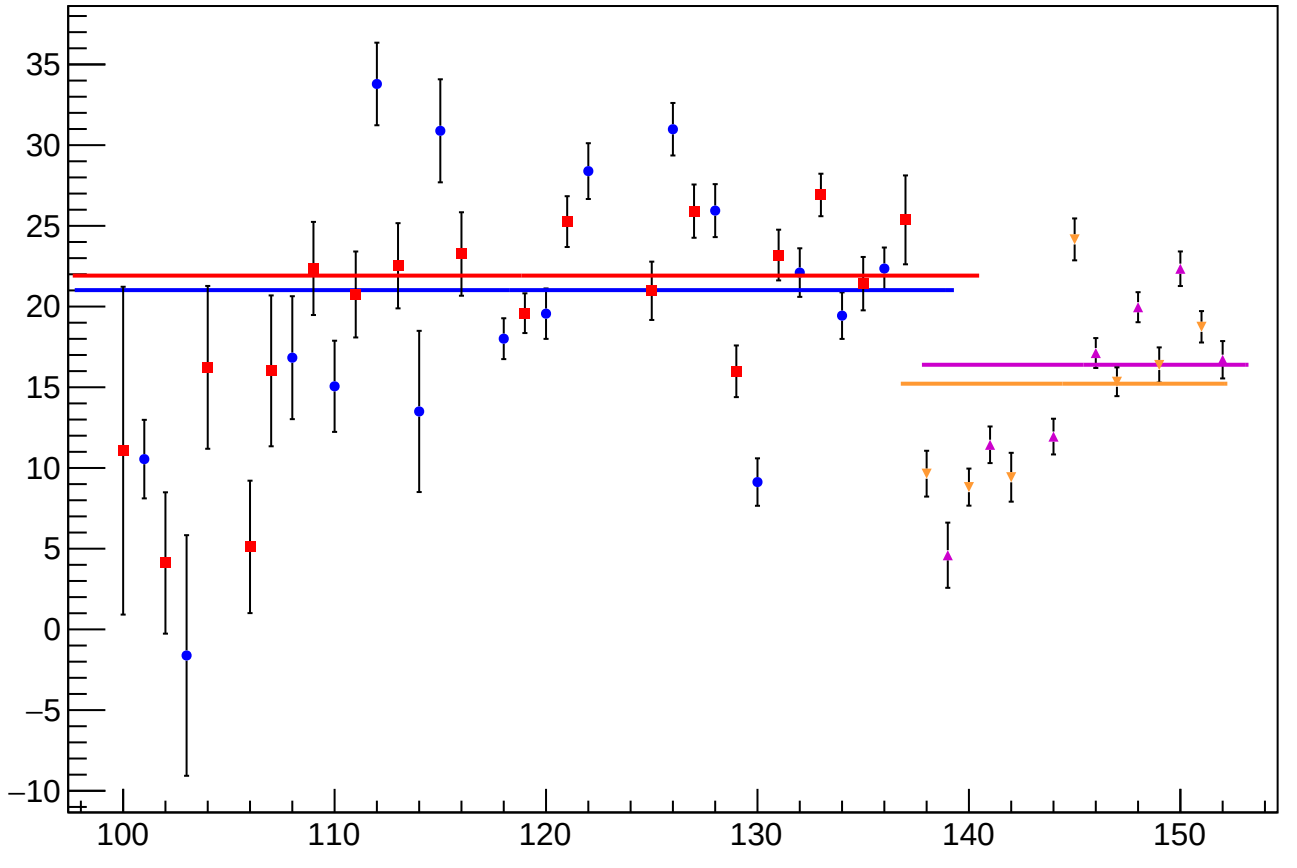
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.945+/-0.259 χ^2/NDF:378.2/22

Out: -3.562+/-0.266 χ^2/NDF:287.6/24

All: -3.758+/-0.185 χ^2/NDF: 666.8/47


reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
Right In: -24.641+/-0.455 χ²/NDF: 2051.8/15
Left Out: -25.107+/-0.511 χ²/NDF:206.1/6
Right Out: -29.002+/-0.475 χ²/NDF: 1952.3/17
Left In: -27.632+/-0.490 χ²/NDF:43.4/6
Left: -26.422+/-0.354 χ²/NDF: 262.3/13
Right: -26.727+/-0.329 χ²/NDF: 4048.0/33
In: -26.025+/-0.333 χ²/NDF:2115.2/22
Out: -27.195+/-0.348 χ²/NDF:2189.6/24
All: -26.585+/-0.241 χ²/NDF: 4310.7/47



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: 16.394+/-0.416 χ^2/NDF:115.6/6

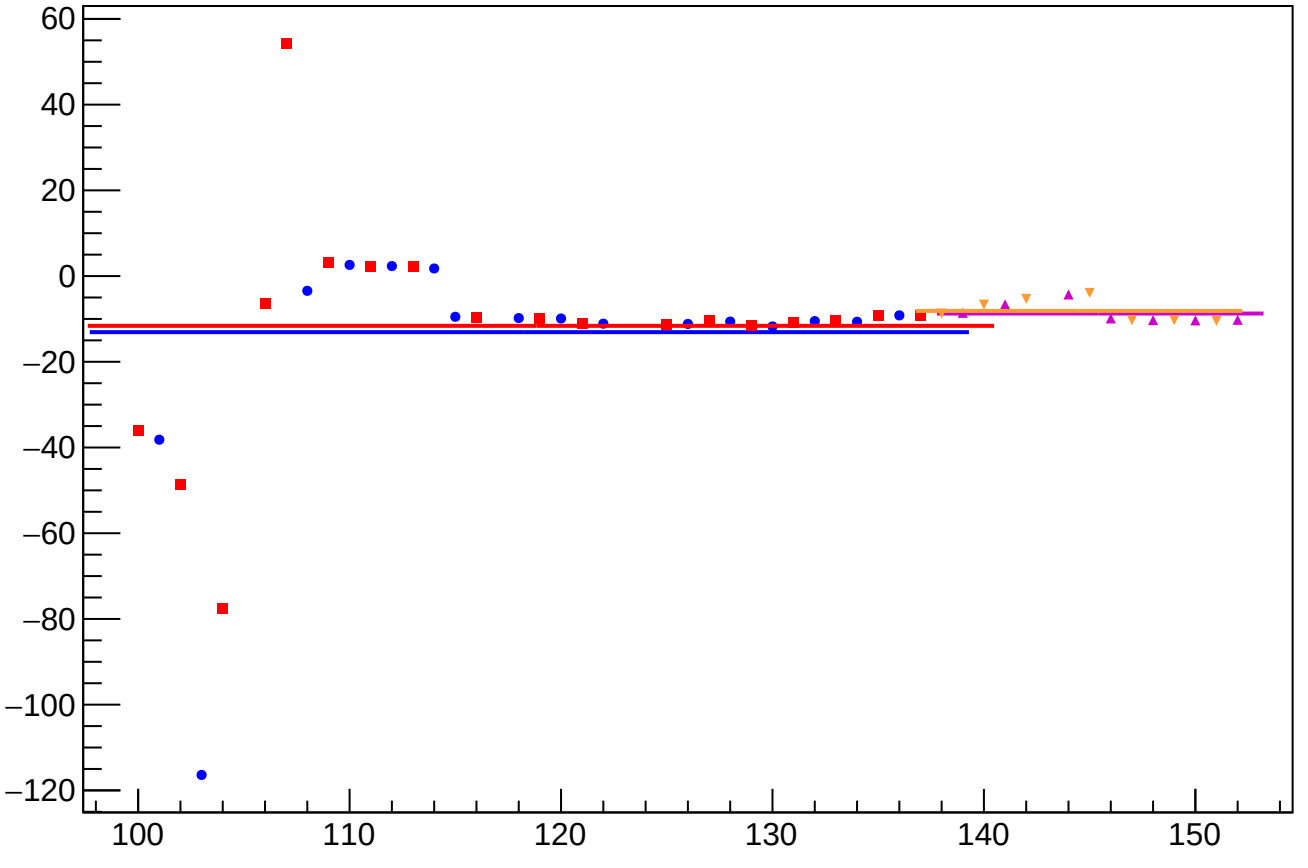
Left: 15.825+/-0.299 χ^2/NDF: 242.4/13

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 18.484+/-0.308 χ^2/NDF:381.1/22

Out: 18.203+/-0.319 χ^2/NDF:314.2/24

All: 18.349+/-0.222 χ^2/NDF: 695.6/47



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: -8.740+/-0.019 χ^2/NDF:10352.2/6

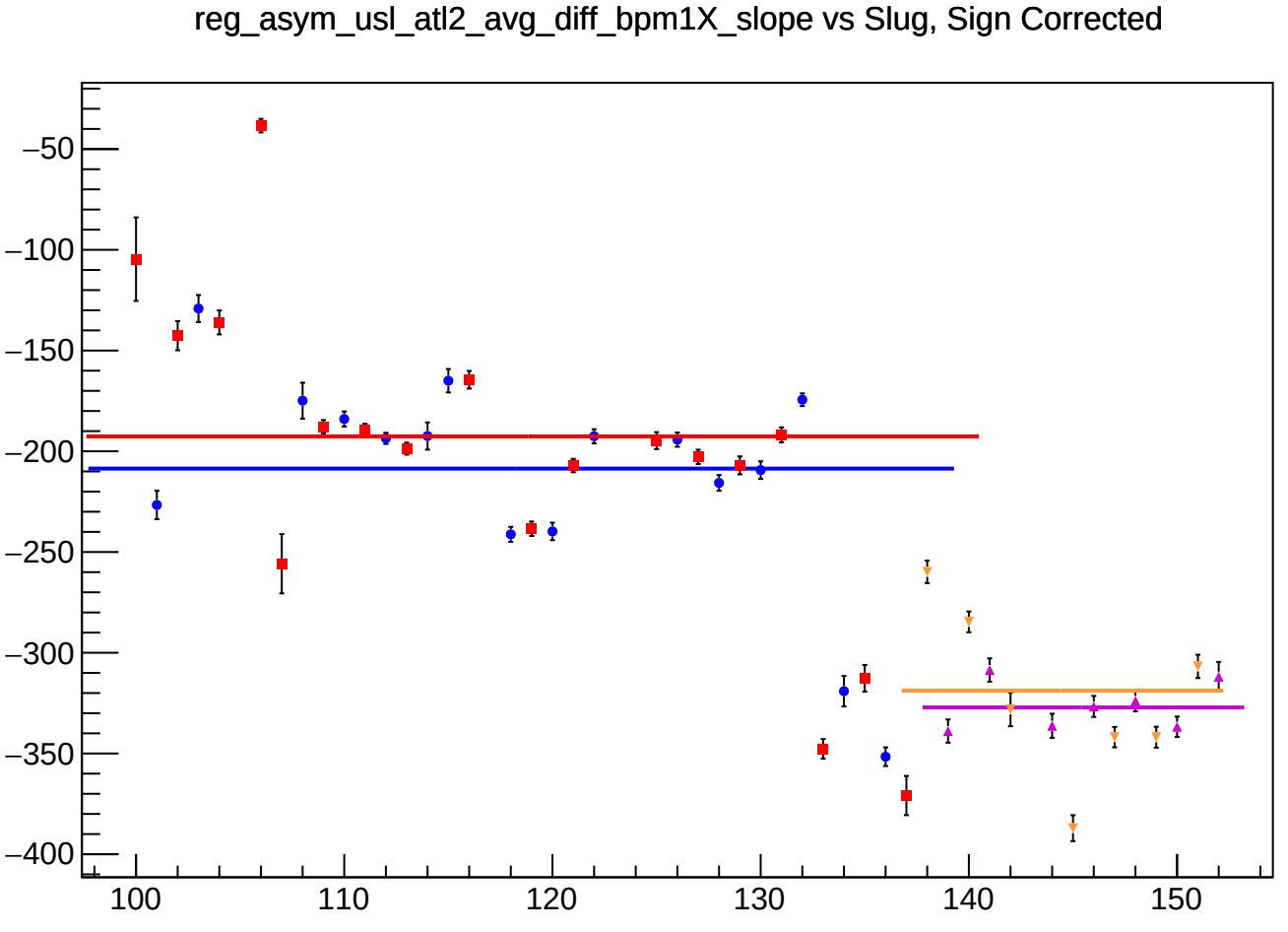
Left: -8.460+/-0.014 χ^2/NDF: 23837.8/13

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.132+/-0.016 χ^2/NDF:371200.8/22

Out: -9.238+/-0.017 χ^2/NDF:335865.5/24

All: -9.721+/-0.012 χ^2/NDF: 708486.1/47



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -318.792+/-2.160 χ^2/NDF:314.1/6

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -327.144+/-2.134 χ^2/NDF:25.1/6

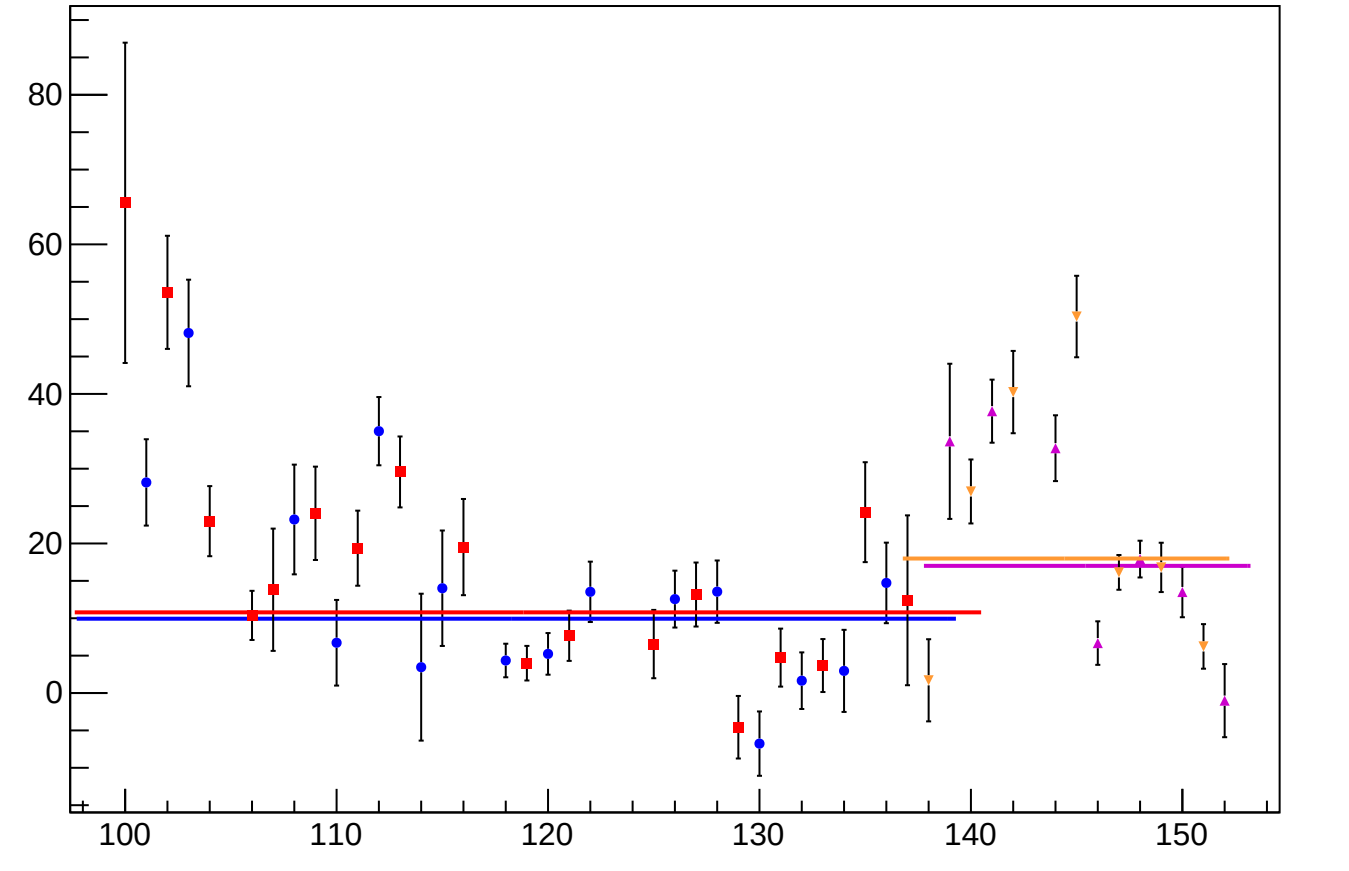
Left: -323.019+/-1.518 χ^2/NDF: 346.8/13

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -232.283+/-0.954 χ^2/NDF:4246.3/22

Out: -214.838+/-0.907 χ^2/NDF:7331.3/24

All: -223.117+/-0.657 χ^2/NDF: 11753.3/47


reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
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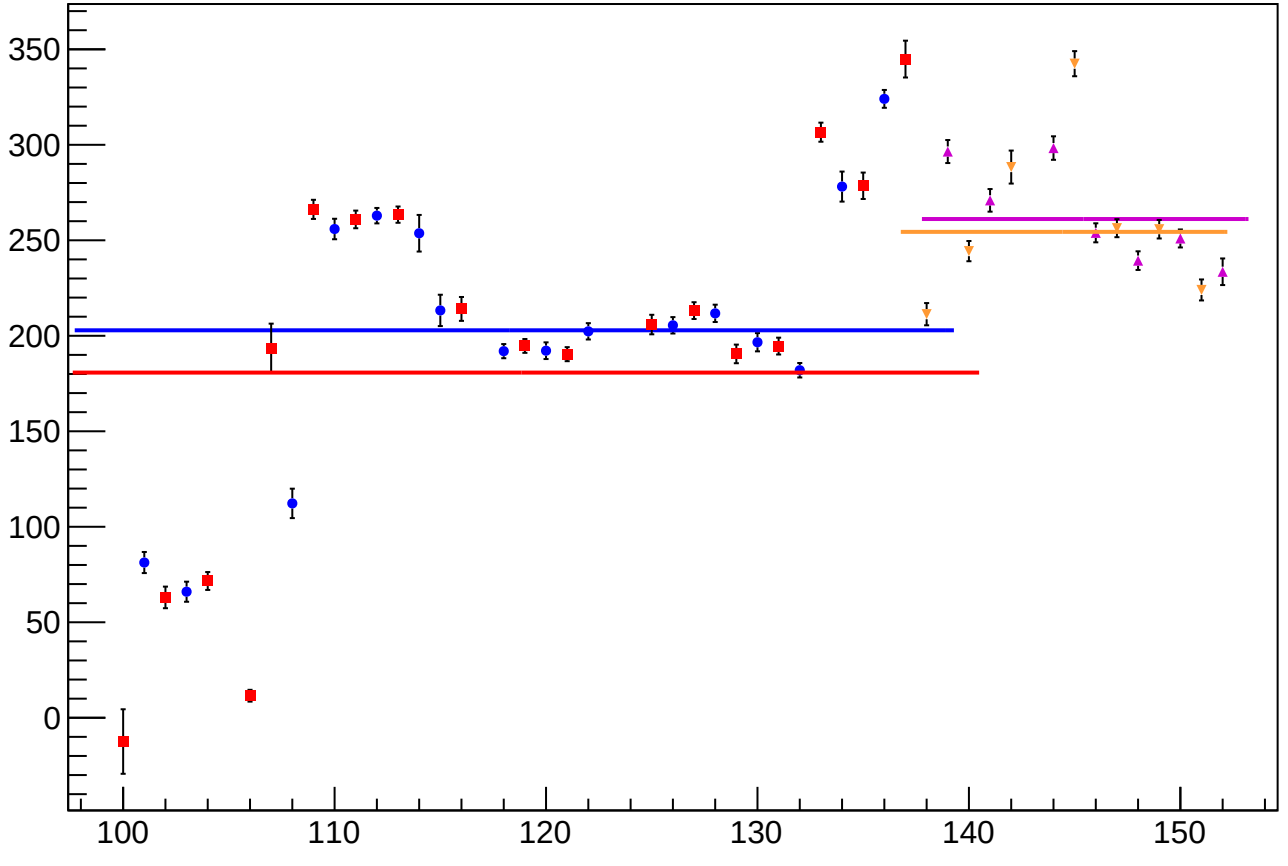
130
140
150
Right In: 9.938+/-1.065 χ²/NDF: 106.6/15
Left Out: 17.987+/-1.356 χ²/NDF:81.1/6
Right Out: 10.788+/-1.044 χ²/NDF: 105.1/17
Left In: 17.007+/-1.373 χ²/NDF:66.8/6
Left: 17.504+/-0.965 χ²/NDF: 148.2/13
Right: 10.372+/-0.746 χ²/NDF: 212.0/33
In: 12.595+/-0.842 χ²/NDF:189.9/22
Out: 13.467+/-0.827 χ²/NDF:203.9/24
All: 13.038+/-0.590 χ²/NDF: 394.4/47

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: 261.142+/-2.083 χ^2/NDF:116.0/6

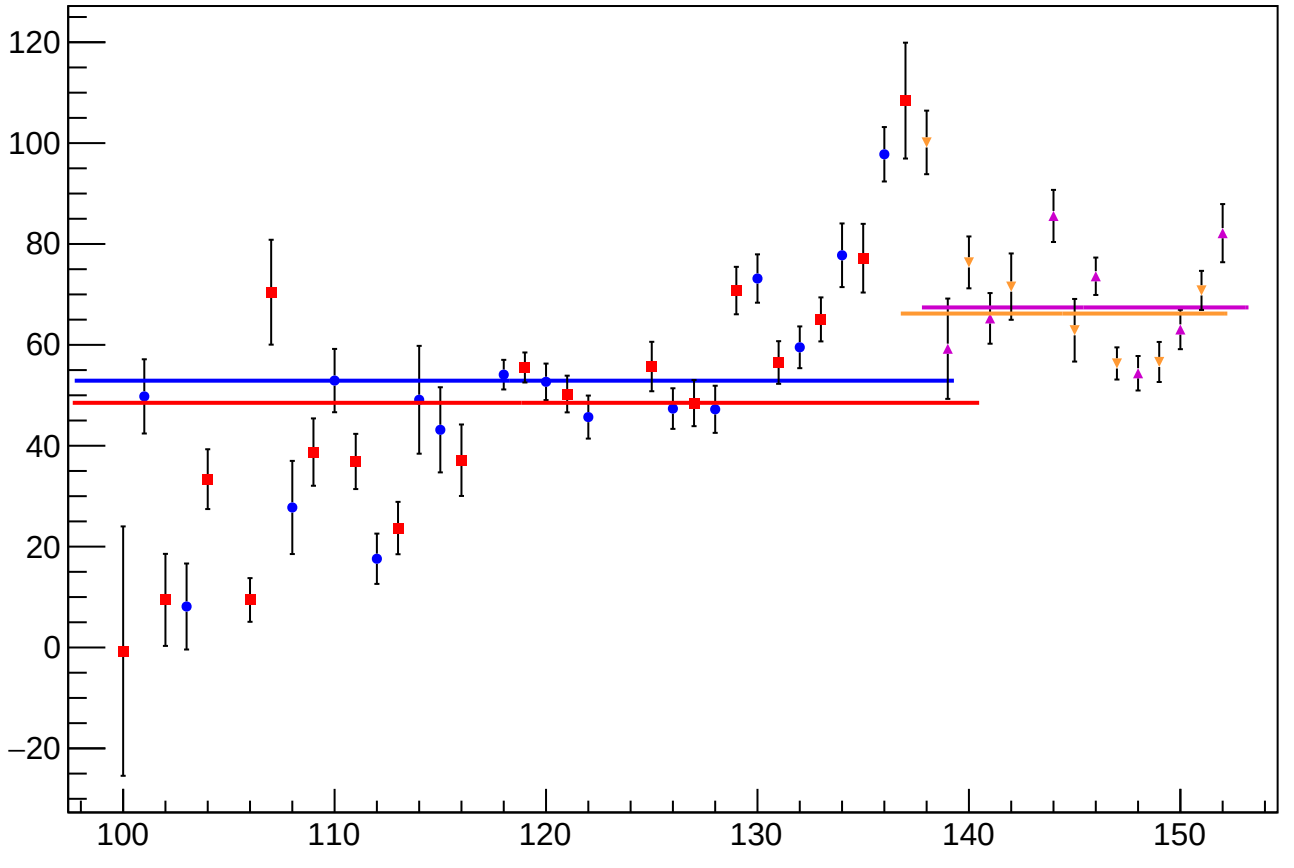
Left: 257.840+/-1.486 χ^2/NDF: 405.3/13

Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 217.854+/-1.056 χ^2/NDF:3161.3/22

Out: 197.327+/-1.007 χ^2/NDF:7567.1/24

All: 207.096+/-0.729 χ^2/NDF: 10926.3/47



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: 67.422+/-1.712 χ^2/NDF:38.3/6

Left: 66.815+/-1.211 χ^2/NDF: 89.3/13

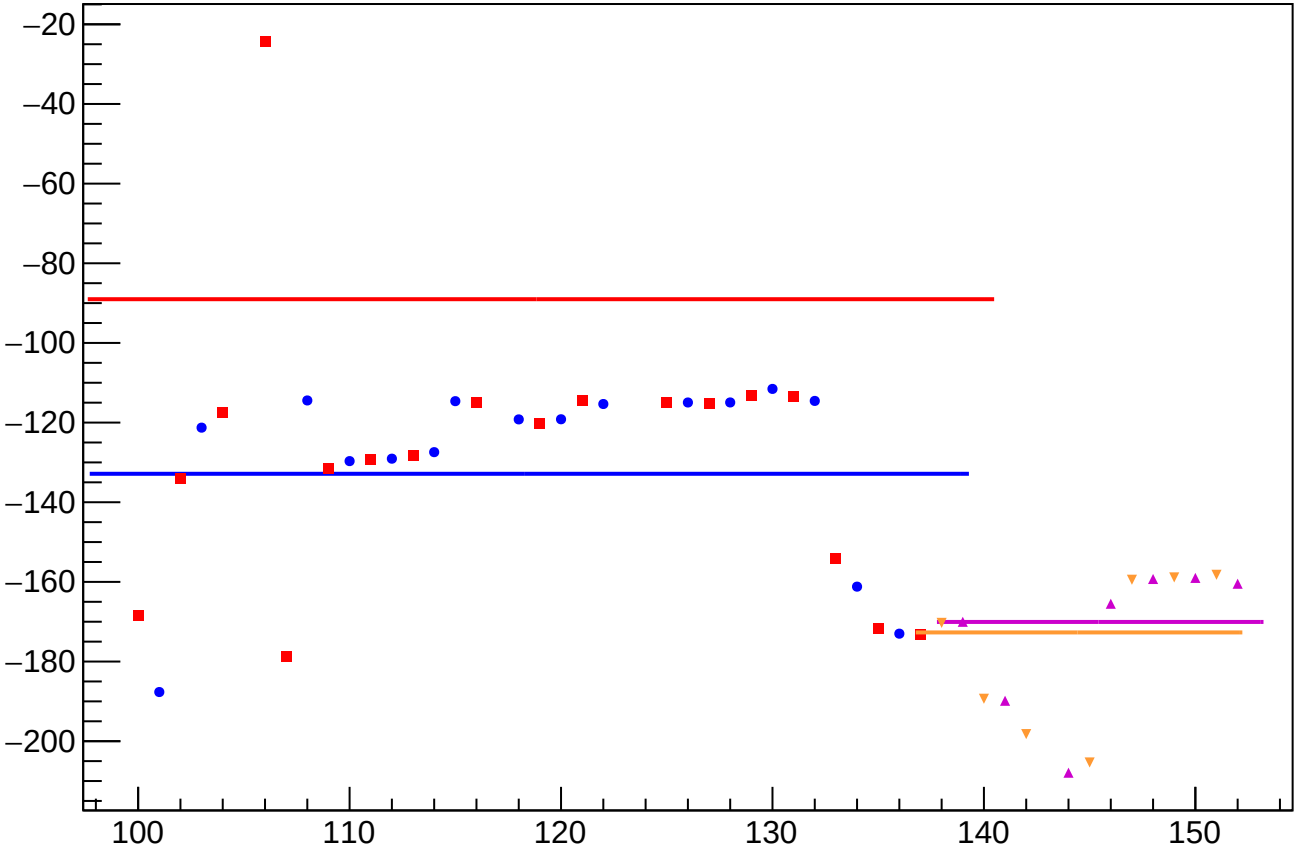
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 57.904+/-1.005 χ^2/NDF:283.8/22

Out: 54.425+/-0.991 χ^2/NDF:361.7/24

All: 56.140+/-0.706 χ^2/NDF: 651.5/47

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: -170.055+/-0.084 χ^2/NDF:33724.0/6

Left: -171.295+/-0.061 χ^2/NDF: 73146.3/13

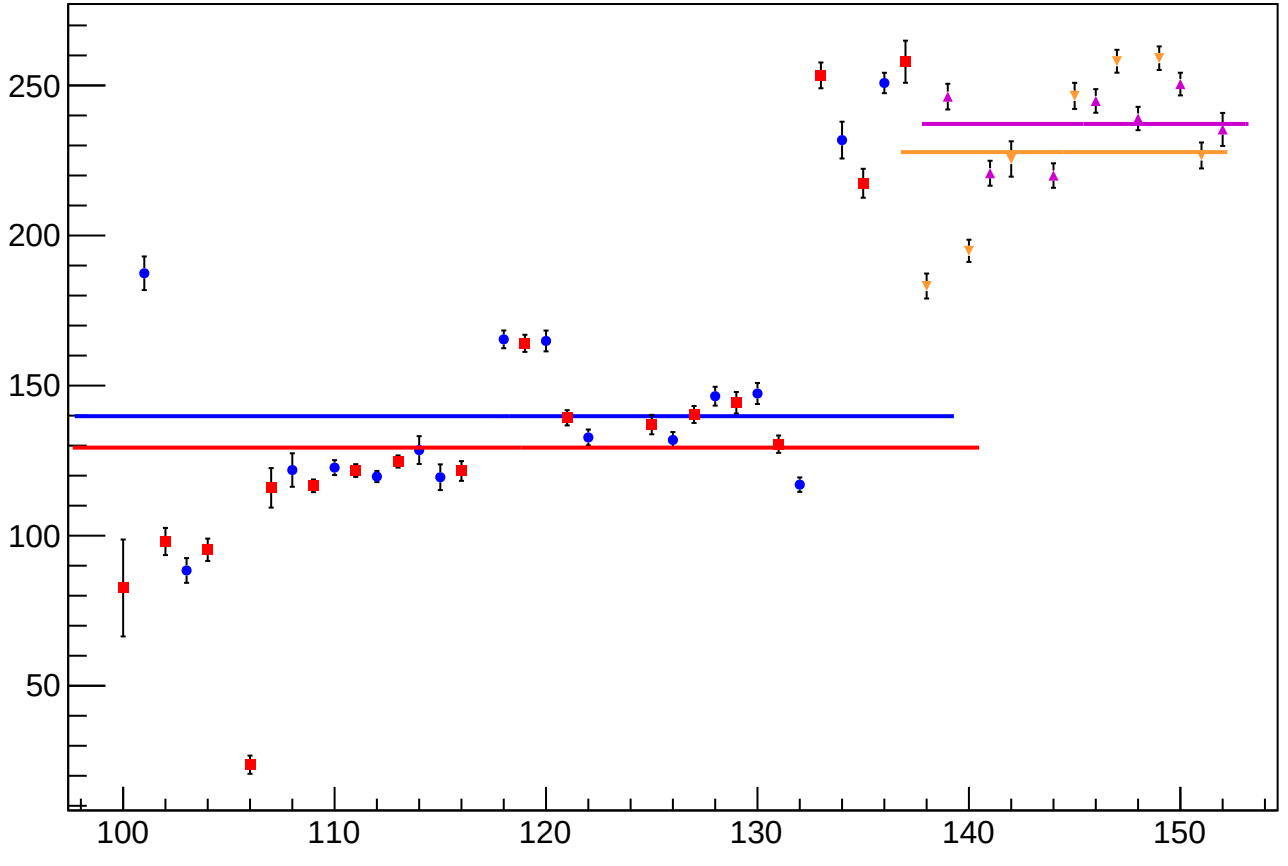
Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -150.914+/-0.058 χ^2/NDF:228719.1/22

Out: -117.713+/-0.052 χ^2/NDF:1350108.1/24

All: -132.412+/-0.039 χ^2/NDF: 1759210.5/47

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 237.177+/-1.568 χ^2/NDF:54.4/6

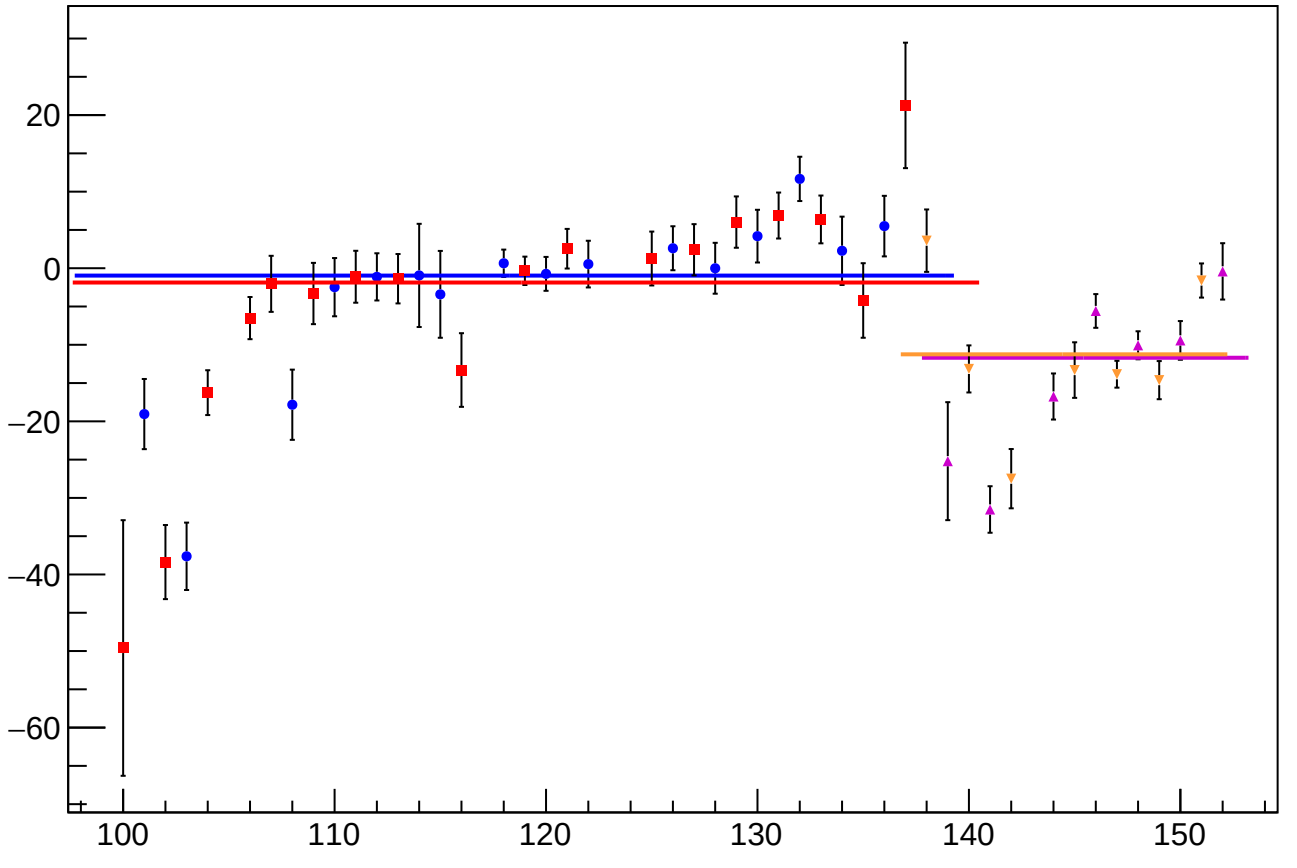
Left: 232.526+/-1.114 χ^2/NDF: 411.5/13

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 159.300+/-0.702 χ^2/NDF:5102.3/22

Out: 146.797+/-0.666 χ^2/NDF:6650.0/24

All: 152.723+/-0.483 χ^2/NDF: 11919.3/47



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: -11.694+/-1.015 χ^2/NDF:67.2/6

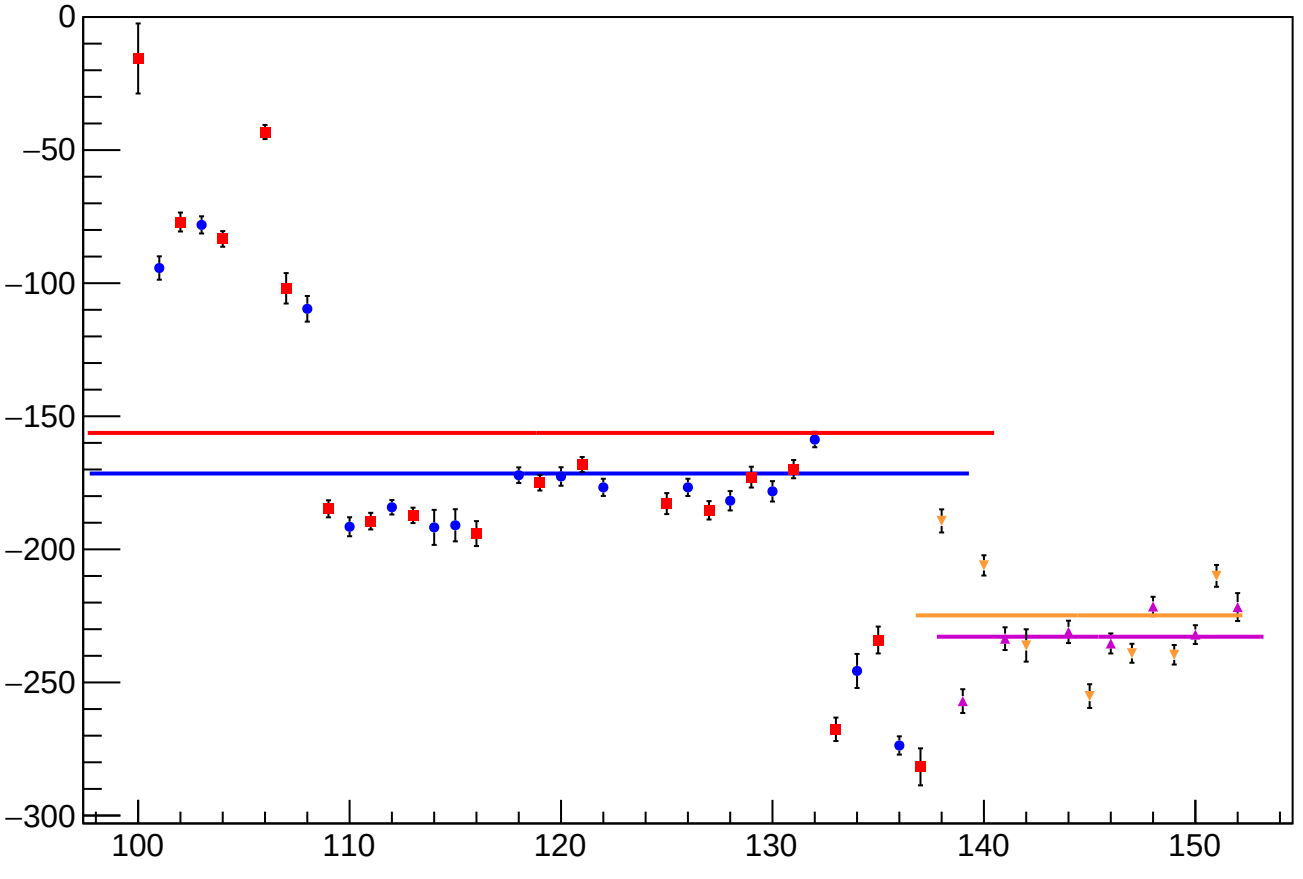
Left: -11.468+/-0.713 χ^2/NDF: 121.5/13

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -5.127+/-0.632 χ^2/NDF:261.6/22

Out: -5.428+/-0.617 χ^2/NDF:241.8/24

All: -5.282+/-0.442 χ^2/NDF: 503.6/47



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: -232.828+/-1.534 χ^2/NDF:44.4/6

Left: -228.876+/-1.093 χ^2/NDF: 244.2/13

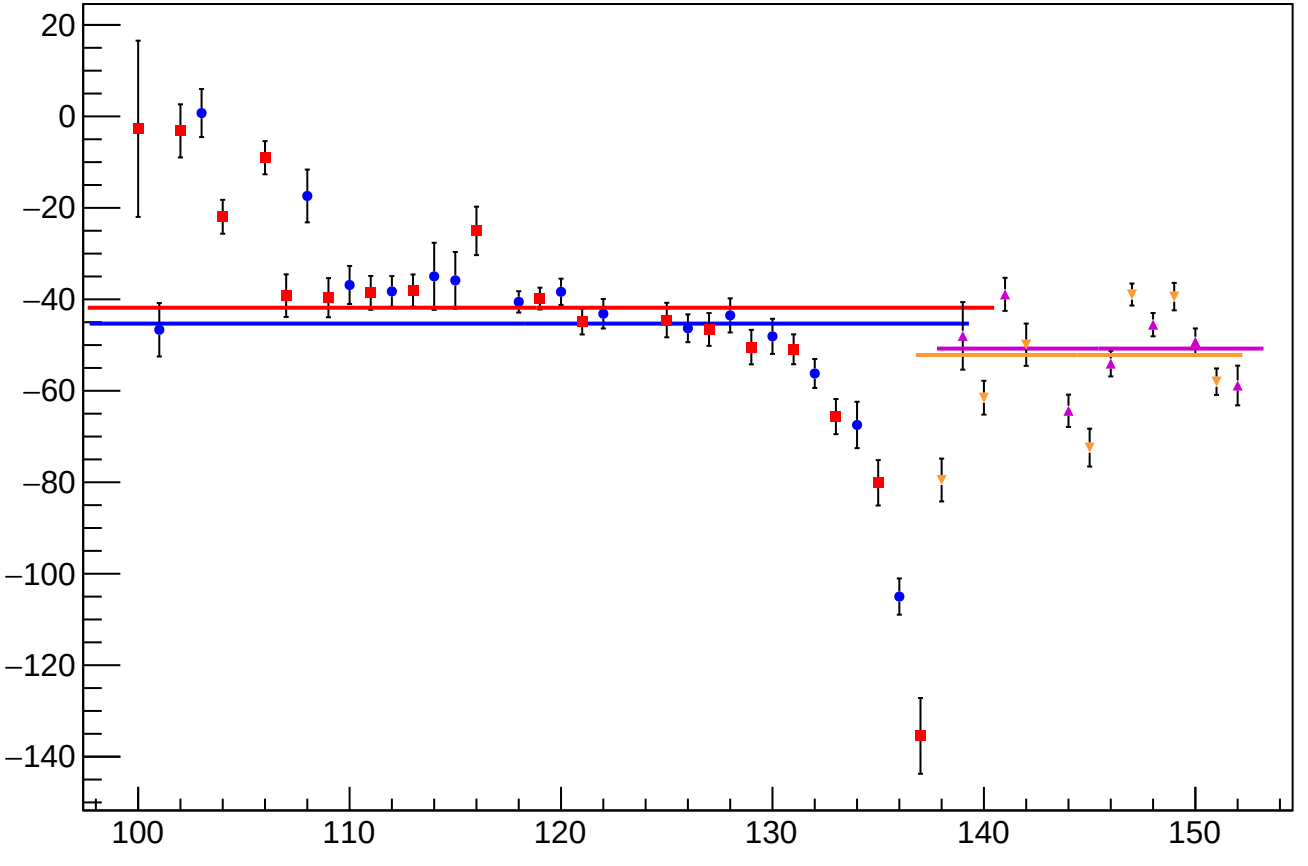
Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -187.383+/-0.781 χ^2/NDF:3671.1/22

Out: -171.918+/-0.744 χ^2/NDF:6585.6/24

All: -179.282+/-0.539 χ^2/NDF: 10462.3/47

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -50.766+/-1.263 χ^2/NDF:35.0/6

Left: -51.466+/-0.893 χ^2/NDF: 152.7/13

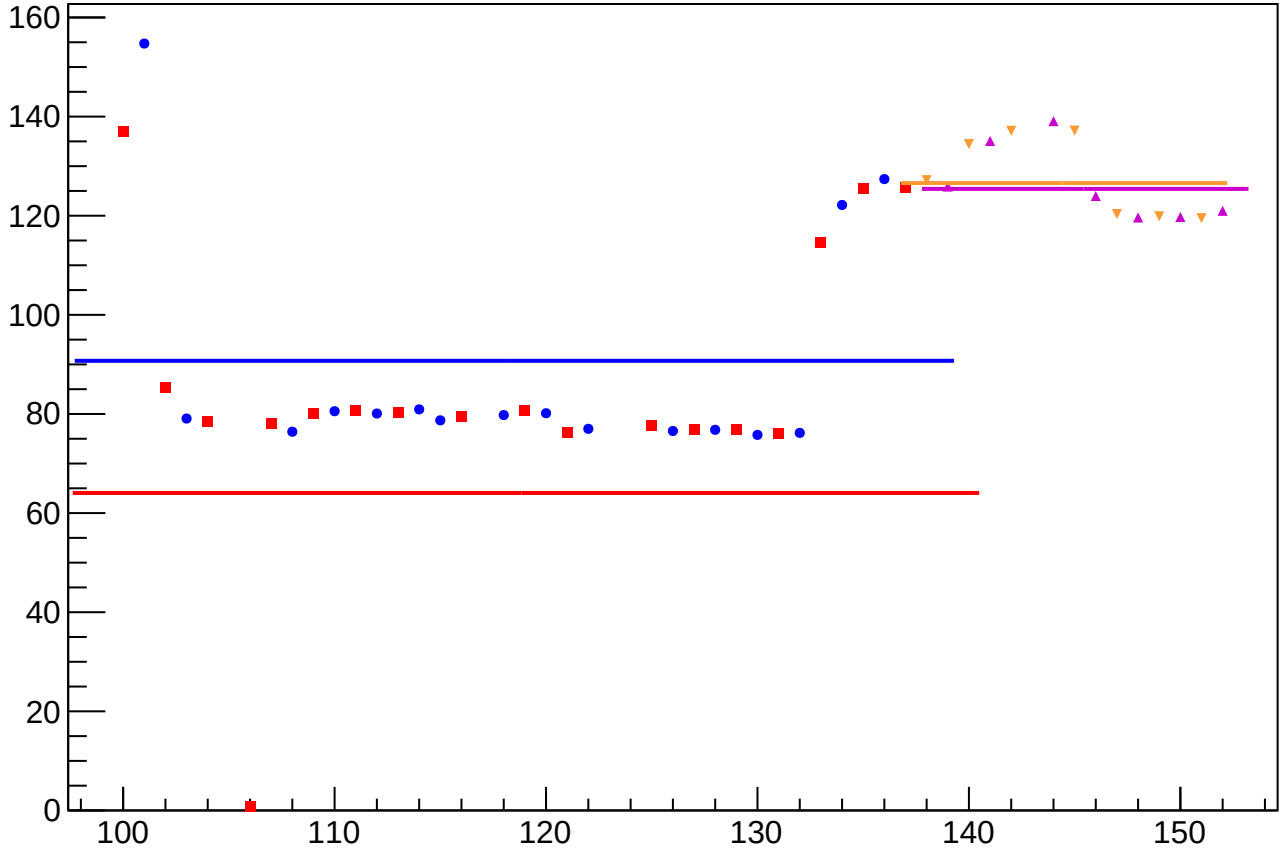
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -47.244+/-0.753 χ^2/NDF:429.1/22

Out: -45.361+/-0.738 χ^2/NDF:575.4/24

All: -46.283+/-0.527 χ^2/NDF: 1007.7/47

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: 125.415+/-0.062 χ^2/NDF:12083.7/6

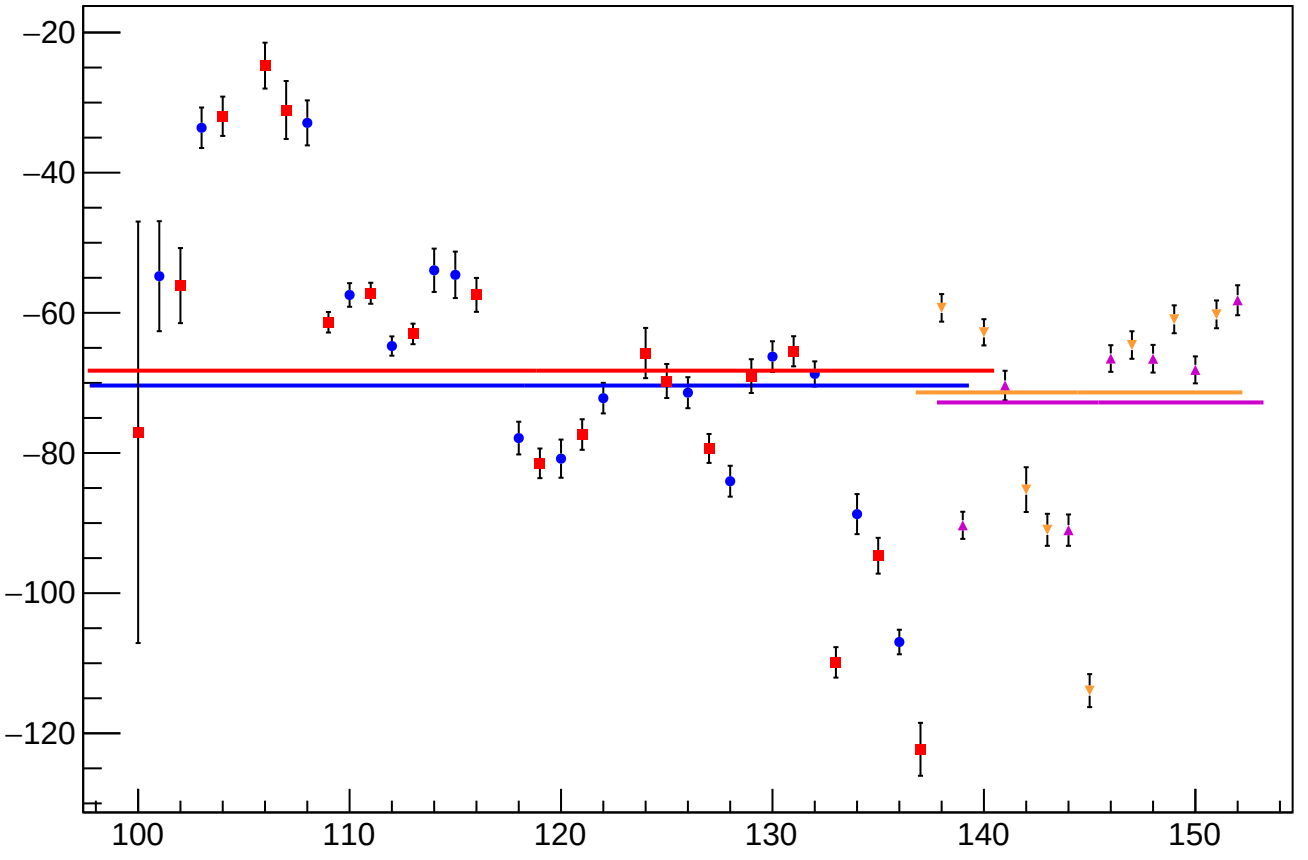
Left: 125.972+/-0.045 χ^2/NDF: 25137.6/13

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 107.113+/-0.042 χ^2/NDF:339442.1/22

Out: 86.810+/-0.039 χ^2/NDF:1259262.7/24

All: 96.178+/-0.029 χ^2/NDF: 1721737.8/47



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -71.357+/-0.750 χ^2/NDF:548.4/7

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -72.788+/-0.764 χ^2/NDF:222.8/6

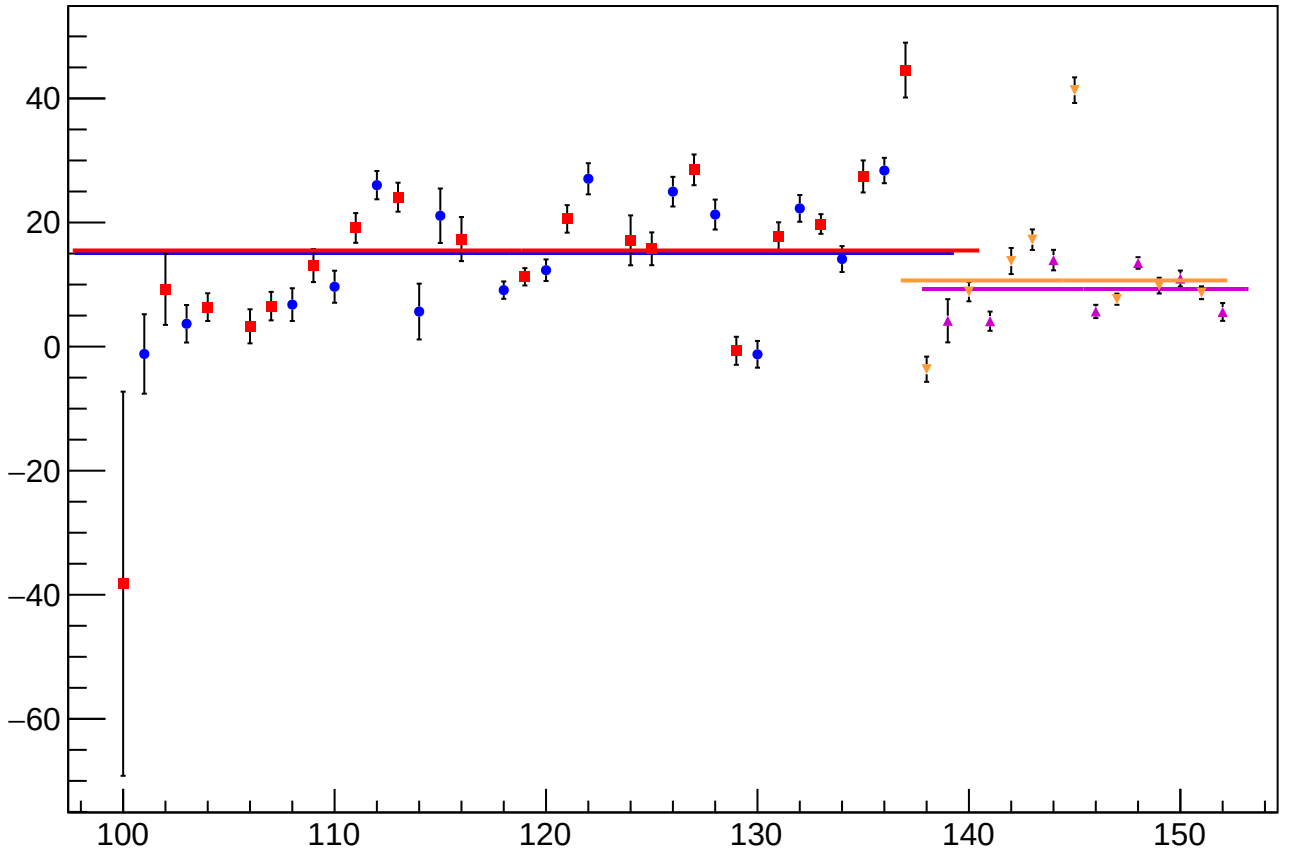
Left: -72.059+/-0.535 χ^2/NDF: 773.0/14

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

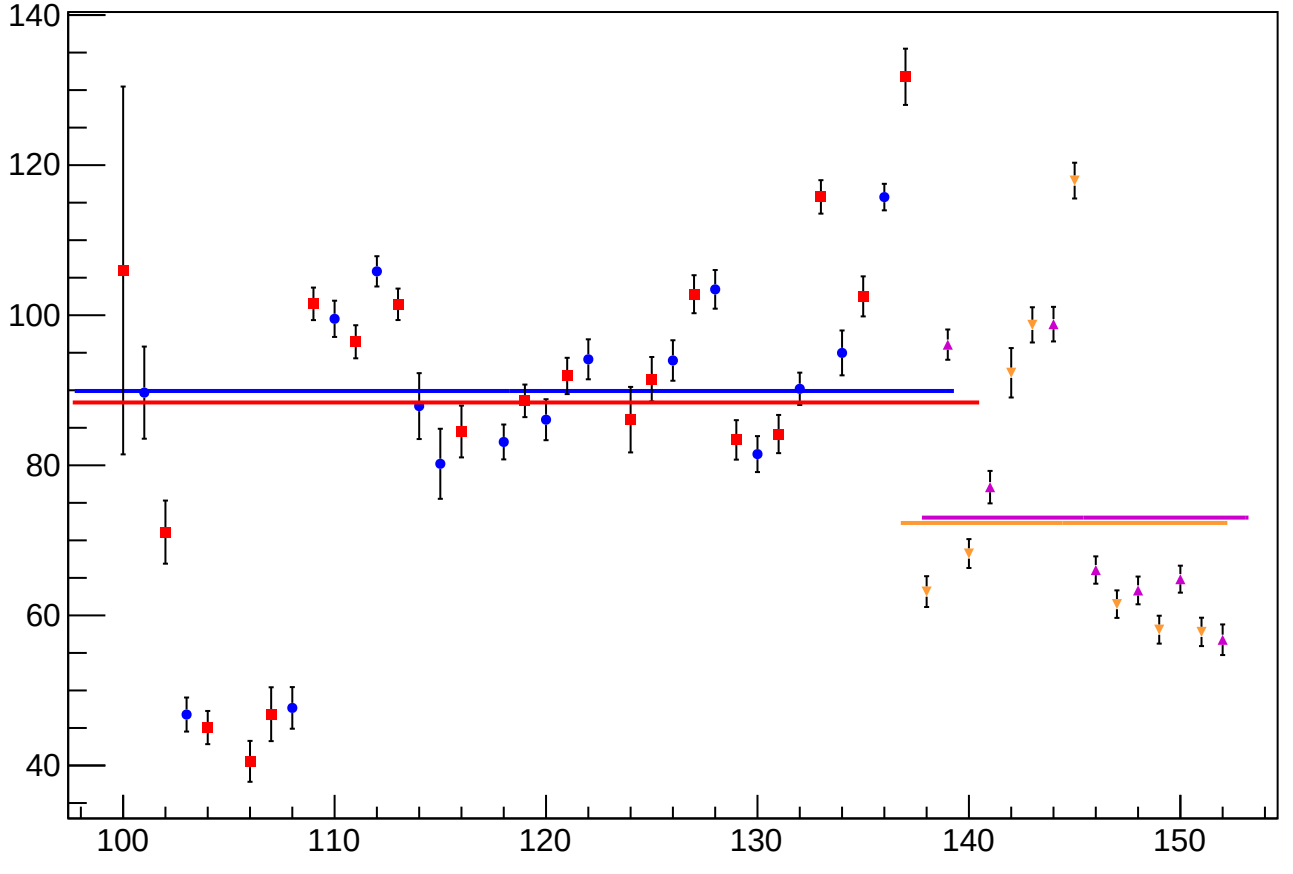
In: -71.214+/-0.450 χ^2/NDF:1204.3/22

Out: -69.278+/-0.431 χ^2/NDF:1865.9/26

All: -70.203+/-0.311 χ^2/NDF: 3079.8/49


reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
100
110
120
130
140
150
Right In: 15.092+/-0.581 χ²/NDF: 242.4/15
Left Out: 10.663+/-0.485 χ²/NDF:303.7/7
Right Out: 15.491+/-0.558 χ²/NDF: 239.3/18
Left In: 9.281+/-0.502 χ²/NDF:61.3/6
Left: 9.996+/-0.349 χ²/NDF: 369.0/14
Right: 15.300+/-0.402 χ²/NDF: 482.0/34
In: 11.764+/-0.380 χ²/NDF:361.1/22
Out: 12.739+/-0.366 χ²/NDF:585.6/26
All: 12.269+/-0.264 χ²/NDF: 950.2/49

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 72.319+/-0.741 χ^2/NDF:706.1/7

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 73.031+/-0.747 χ^2/NDF:385.9/6

Left: 72.672+/-0.526 χ^2/NDF: 1092.5/14

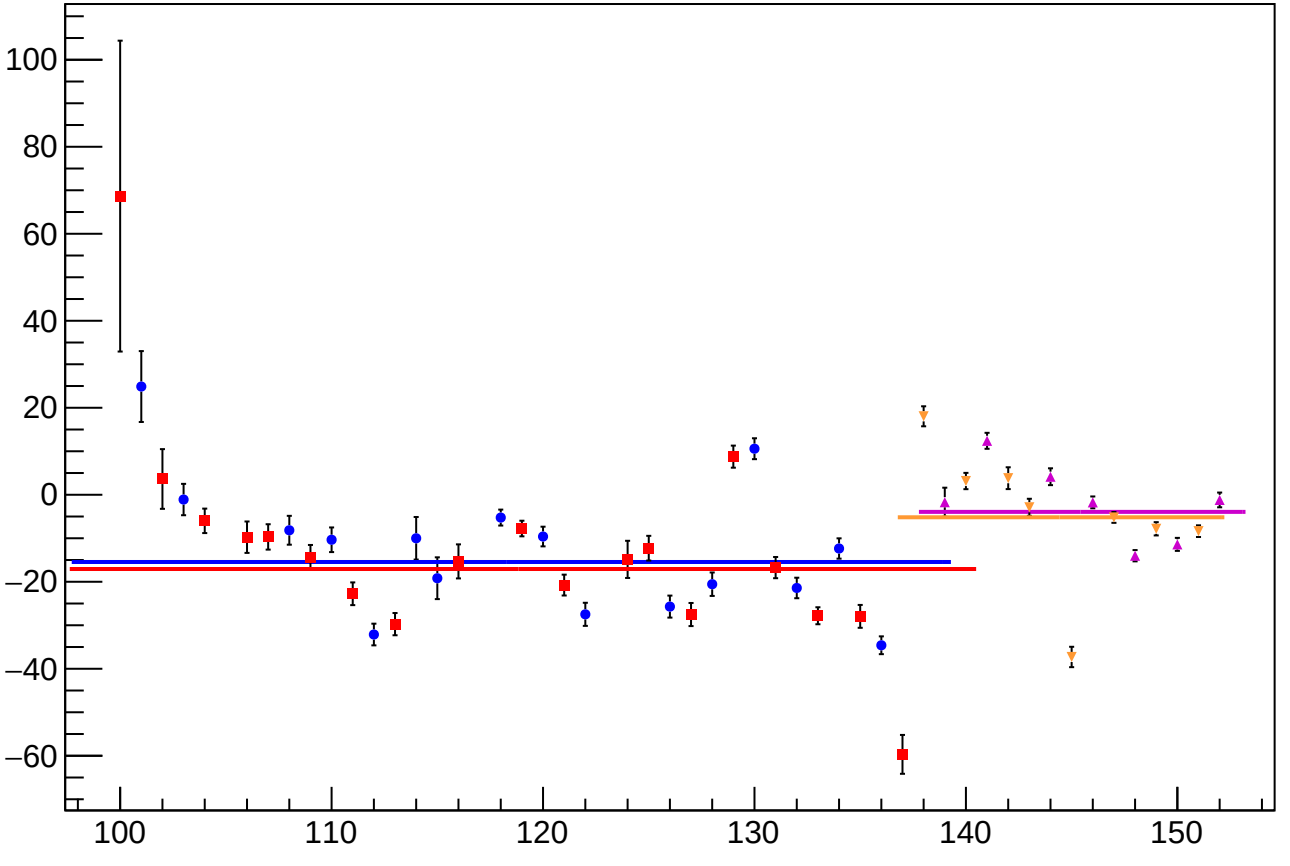
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 82.756+/-0.486 χ^2/NDF:1627.6/22

Out: 81.791+/-0.474 χ^2/NDF:2272.3/26

All: 82.261+/-0.340 χ^2/NDF: 3901.9/49

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: -3.934+/-0.622 χ^2/NDF:187.5/6

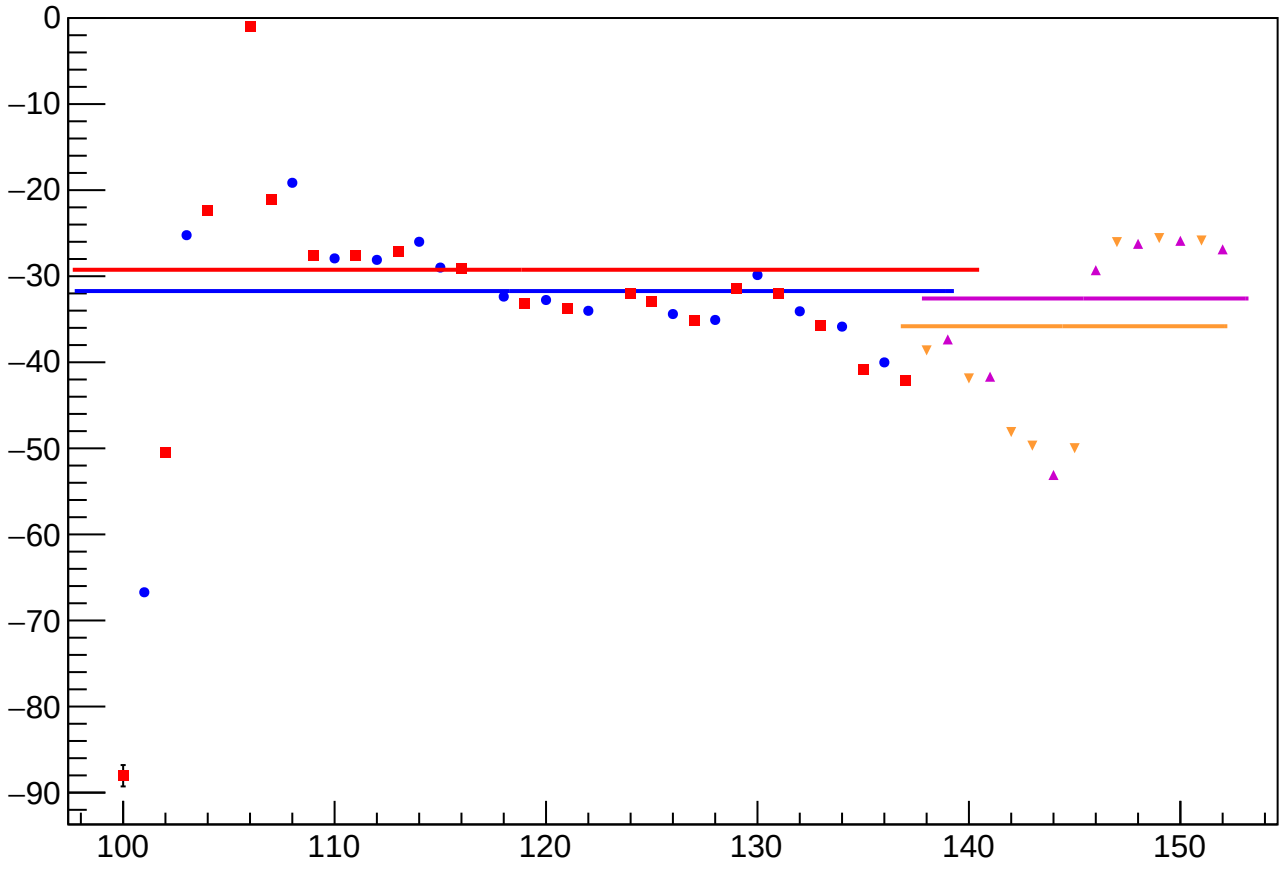
Left: -4.571+/-0.435 χ^2/NDF: 522.1/14

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -9.307+/-0.455 χ^2/NDF:733.9/22

Out: -10.777+/-0.442 χ^2/NDF:874.0/26

All: -10.063+/-0.317 χ^2/NDF: 1613.3/49



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: -32.589+/-0.030 χ^2/NDF:77938.2/6

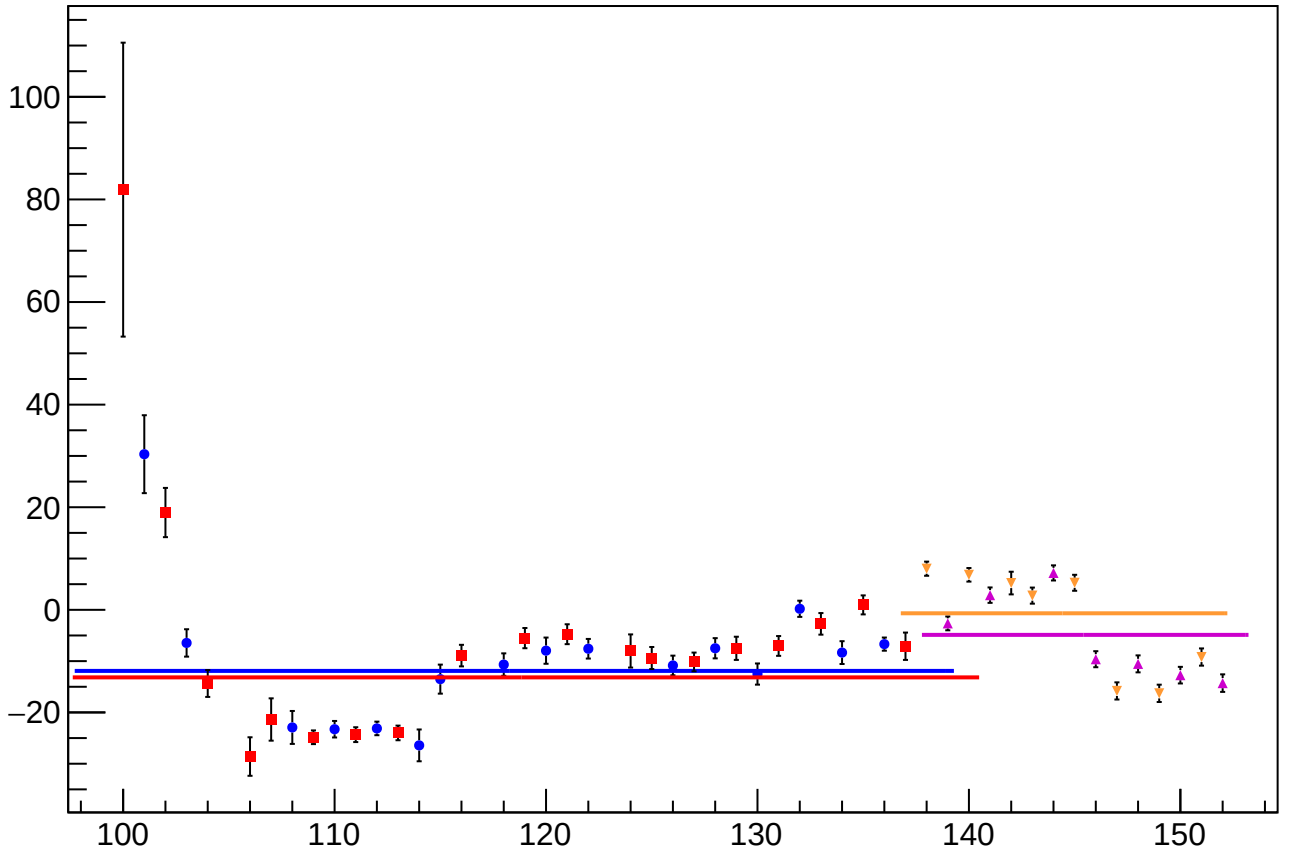
Left: -34.147+/-0.021 χ^2/NDF: 190914.2/14

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -32.266+/-0.024 χ^2/NDF:117890.2/22

Out: -33.255+/-0.024 χ^2/NDF:220317.3/26

All: -32.751+/-0.017 χ^2/NDF: 339072.4/49



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -0.676+/-0.561 χ^2/NDF:291.4/7

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -4.884+/-0.582 χ^2/NDF:171.0/6

Left: -2.699+/-0.404 χ^2/NDF: 489.6/14

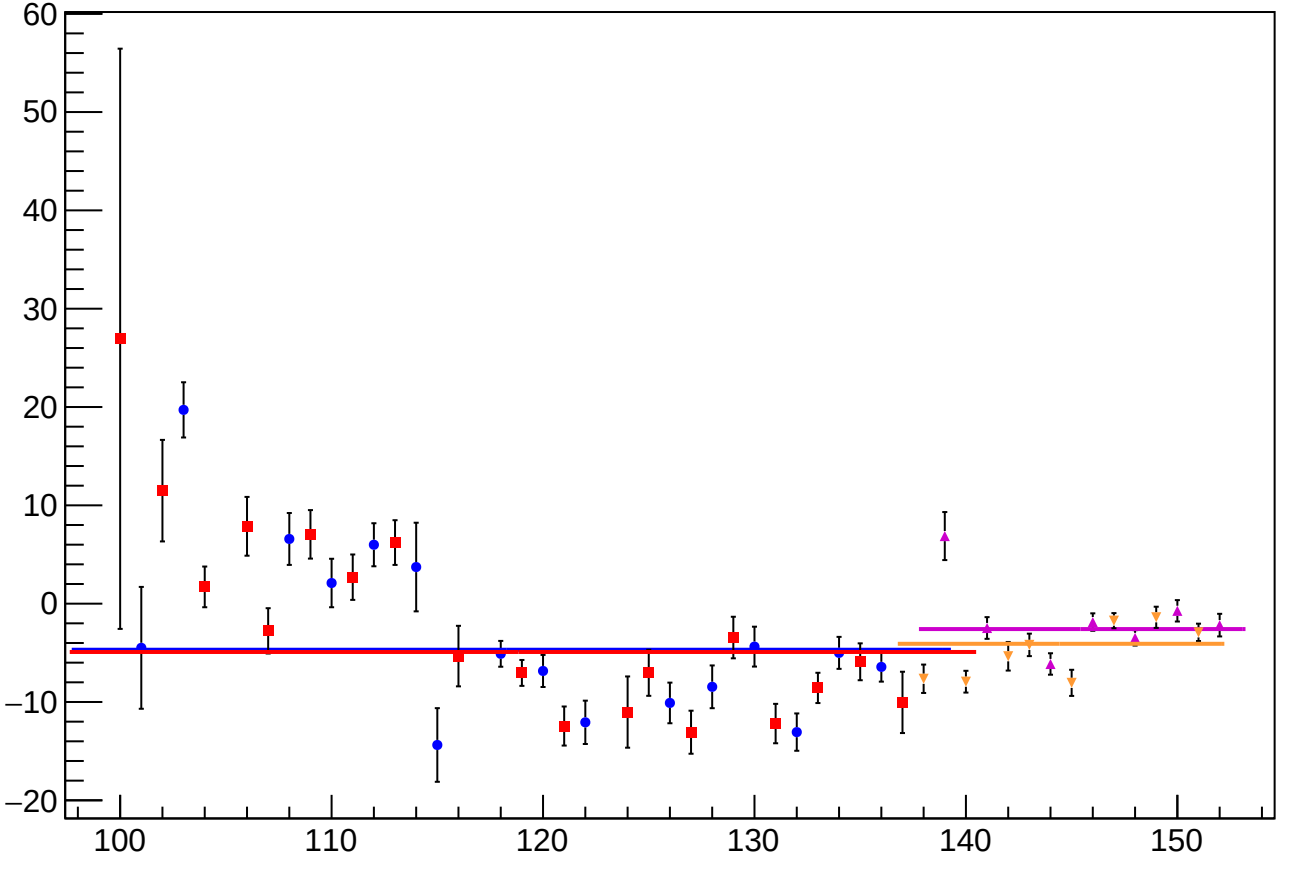
Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -8.949+/-0.378 χ^2/NDF:537.3/22

Out: -7.882+/-0.365 χ^2/NDF:999.5/26

All: -8.396+/-0.262 χ^2/NDF: 1540.9/49

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.082+/-0.380 χ^2/NDF:45.2/7

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -2.584+/-0.397 χ^2/NDF:30.6/6

Left: -3.366+/-0.275 χ^2/NDF: 83.2/14

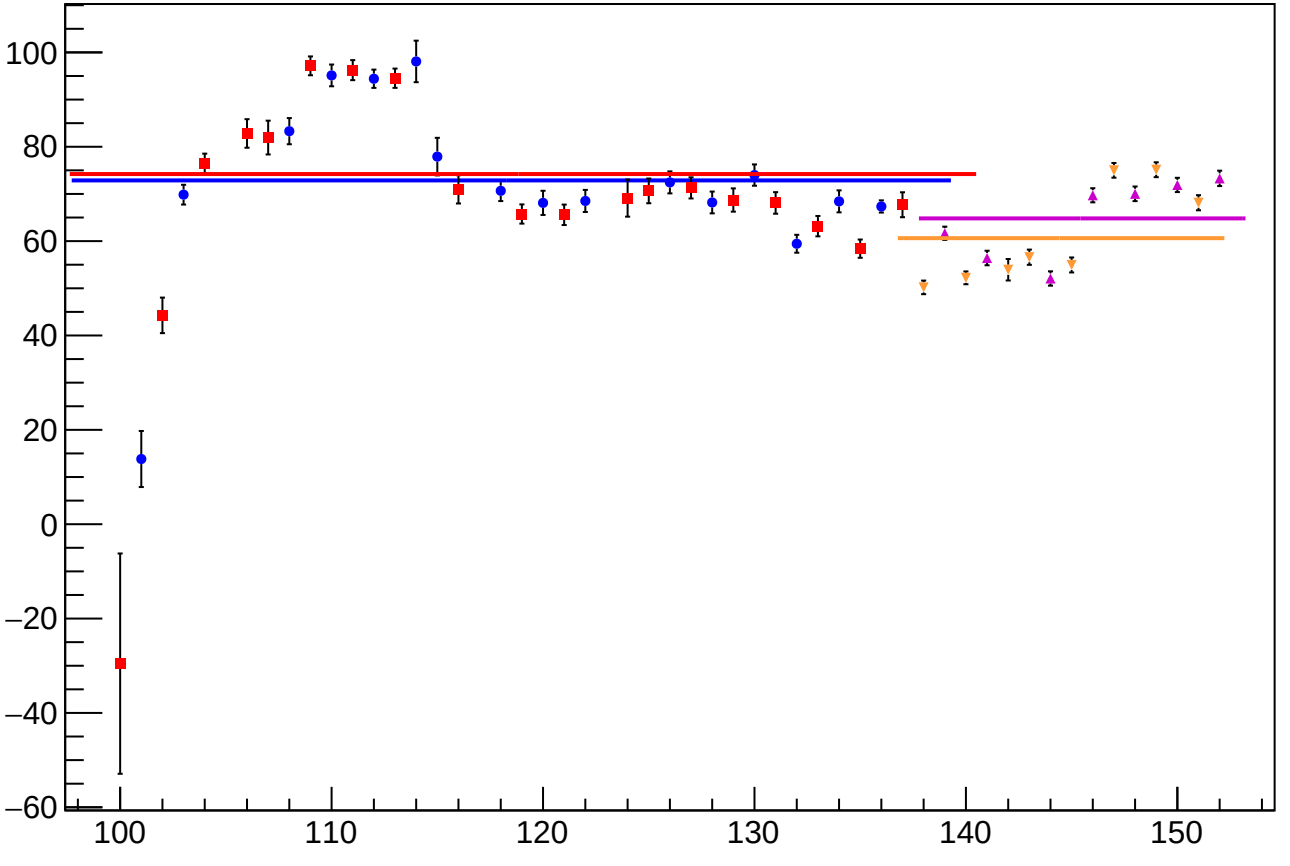
Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.364+/-0.315 χ^2/NDF:220.0/22

Out: -4.377+/-0.305 χ^2/NDF:202.8/26

All: -3.886+/-0.219 χ^2/NDF: 428.1/49

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: 64.814+/-0.574 χ^2/NDF:176.1/6

Left: 62.668+/-0.401 χ^2/NDF: 513.0/14

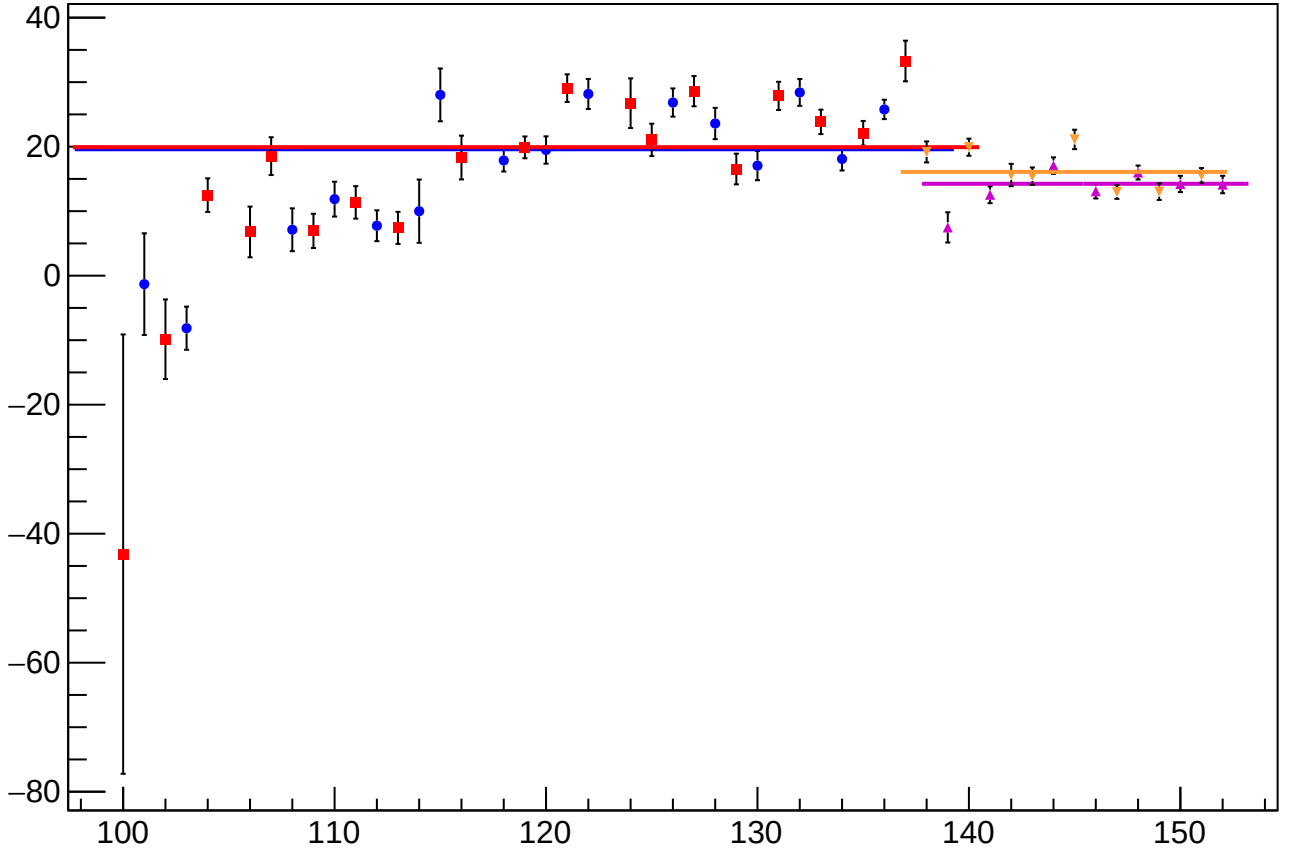
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 68.902+/-0.403 χ^2/NDF:726.7/22

Out: 67.388+/-0.397 χ^2/NDF:1189.4/26

All: 68.133+/-0.283 χ^2/NDF: 1923.2/49

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.086+/-0.470 χ^2/NDF:38.0/7

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 14.245+/-0.489 χ^2/NDF:18.5/6

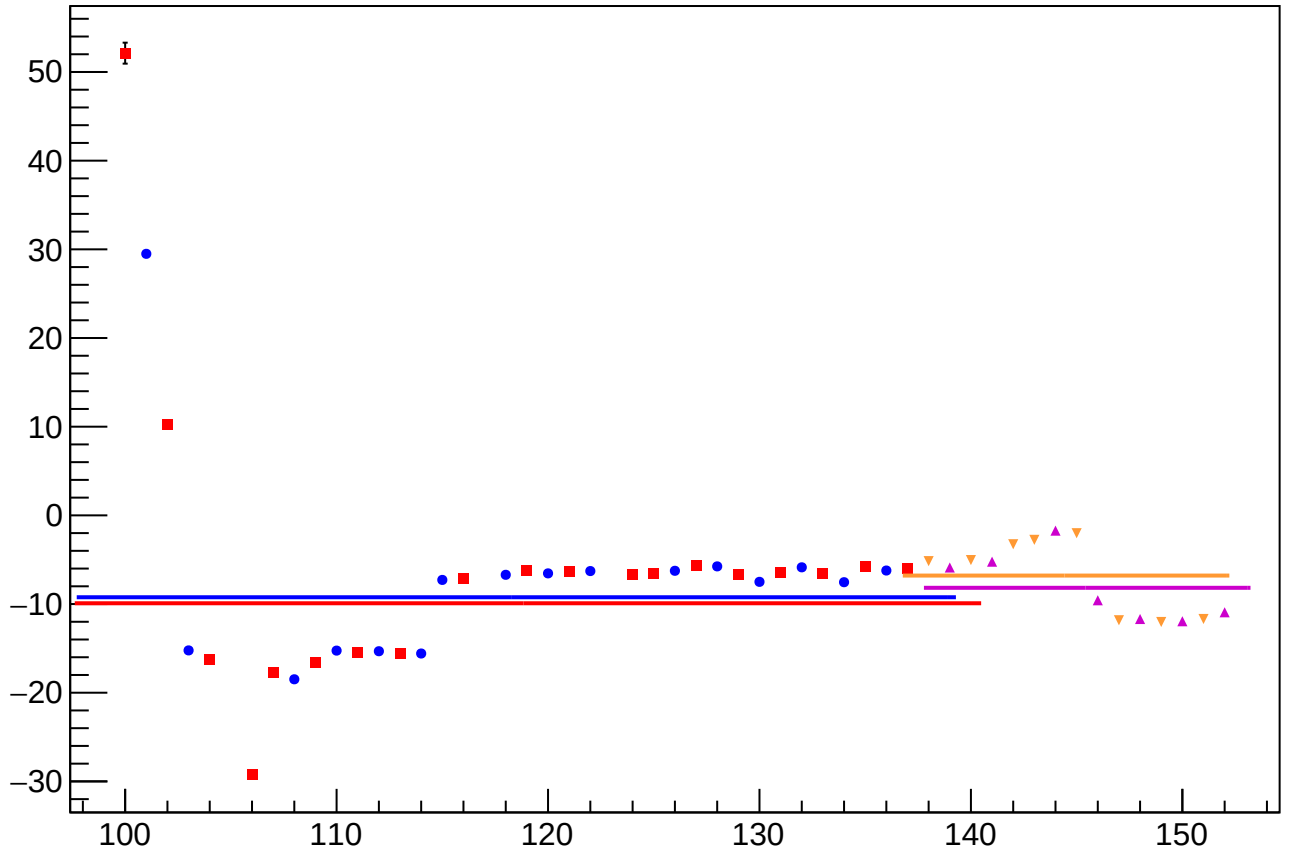
Left: 15.201+/-0.339 χ^2/NDF: 63.9/14

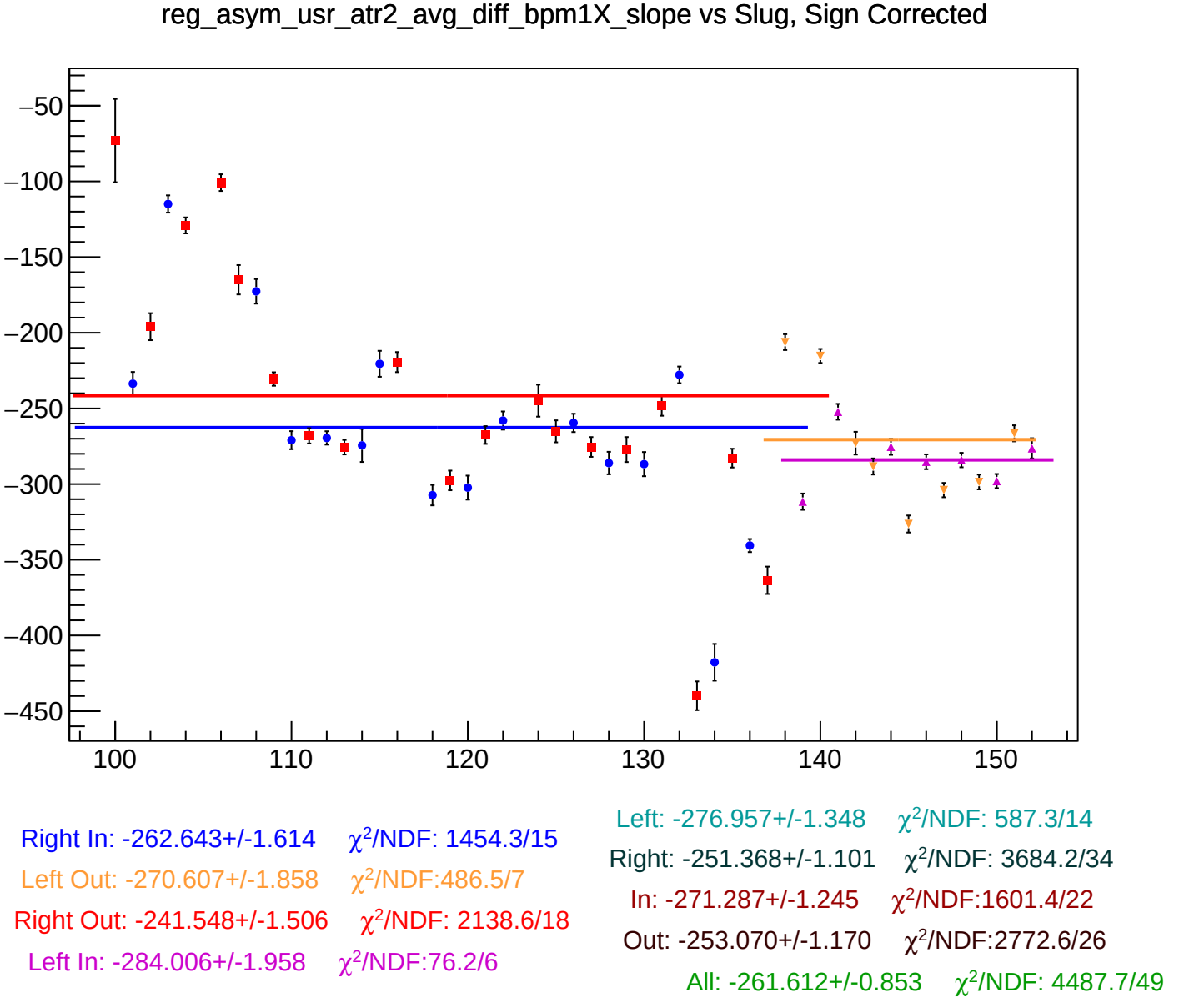
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

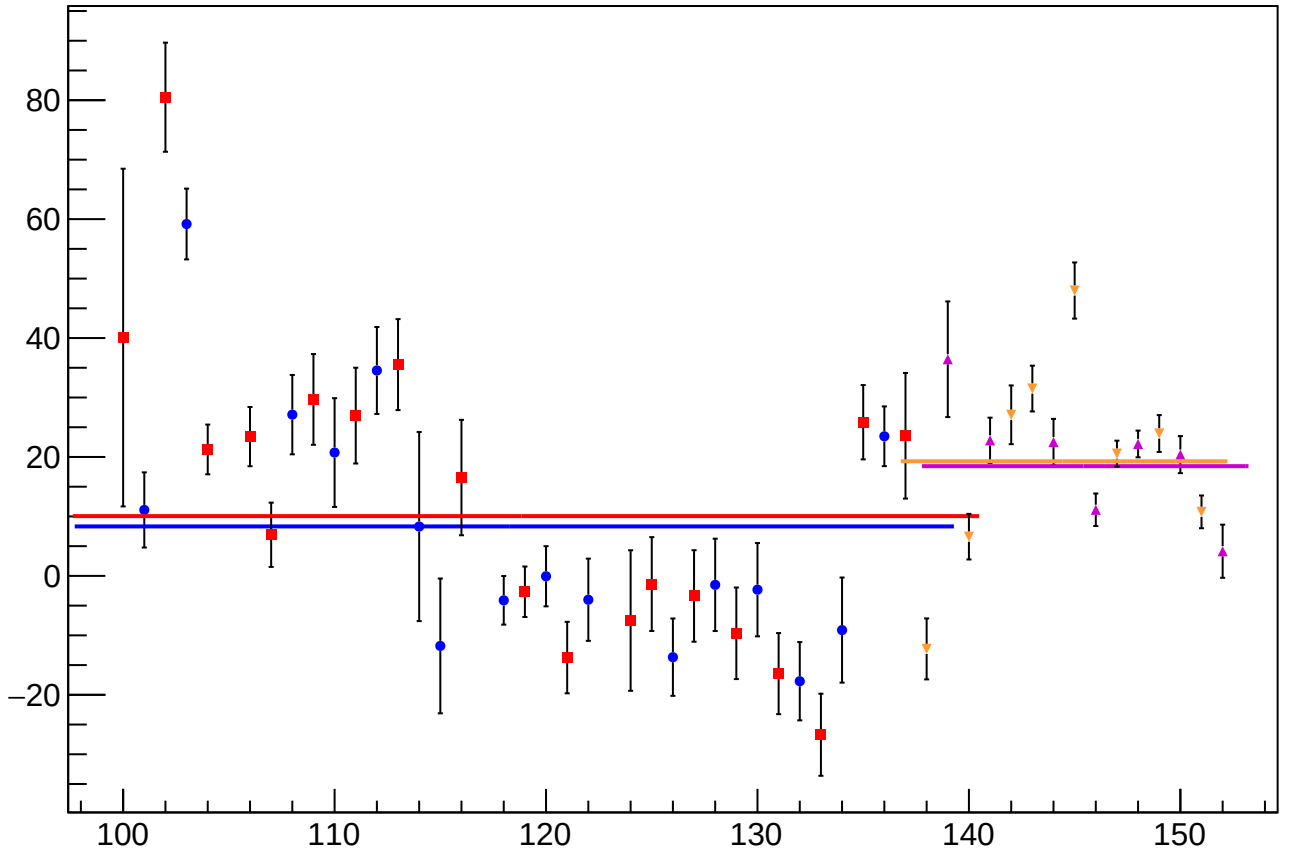
In: 16.443+/-0.375 χ^2/NDF:263.8/22

Out: 17.588+/-0.366 χ^2/NDF:245.4/26

All: 17.029+/-0.262 χ^2/NDF: 514.0/49


reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
Right In: -9.235+/-0.033 χ²/NDF: 31159.3/15
Left Out: -6.789+/-0.023 χ²/NDF:30216.4/7
Right Out: -9.913+/-0.034 χ²/NDF: 53863.3/18
Left In: -8.169+/-0.023 χ²/NDF:22959.2/6
Left: -7.488+/-0.016 χ²/NDF: 54980.7/14
Right: -9.558+/-0.024 χ²/NDF: 85225.4/34
In: -8.516+/-0.019 χ²/NDF:54828.6/22
Out: -7.760+/-0.019 χ²/NDF:89752.3/26
All: -8.147+/-0.013 χ²/NDF: 145376.3/49


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: -284.006+/-1.958 χ²/NDF:76.2/6
Left: -276.957+/-1.348 χ²/NDF: 587.3/14
Right: -251.368+/-1.101 χ²/NDF: 3684.2/34
In: -271.287+/-1.245 χ²/NDF:1601.4/22
Out: -253.070+/-1.170 χ²/NDF:2772.6/26
All: -261.612+/-0.853 χ²/NDF: 4487.7/49



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: 18.453+/-1.260 χ^2/NDF:26.4/6

Left: 18.891+/-0.865 χ^2/NDF: 137.2/14

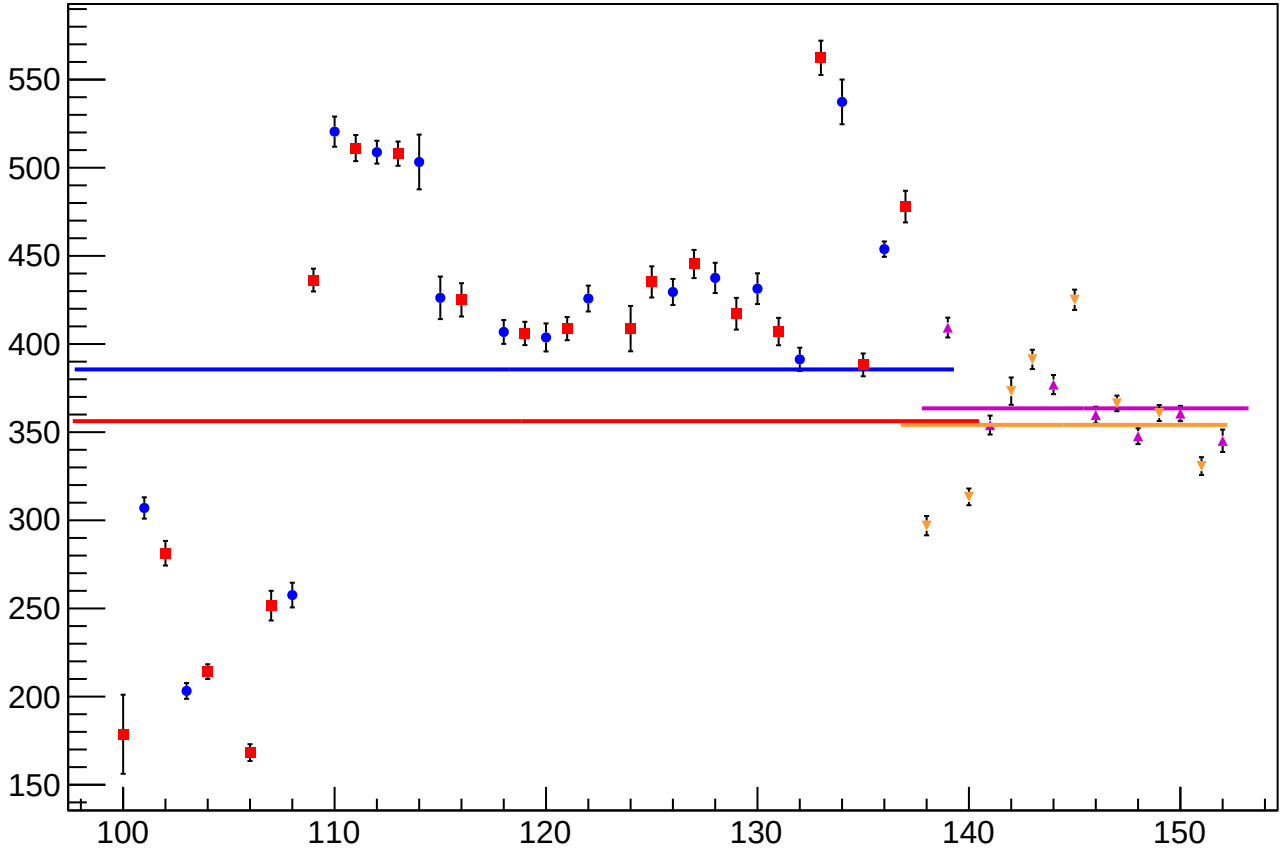
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 14.705+/-1.000 χ^2/NDF:208.0/22

Out: 15.828+/-0.941 χ^2/NDF:320.5/26

All: 15.300+/-0.685 χ^2/NDF: 529.1/49

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: 363.513+/-1.912 χ^2/NDF:97.5/6

Left: 358.641+/-1.325 χ^2/NDF: 528.4/14

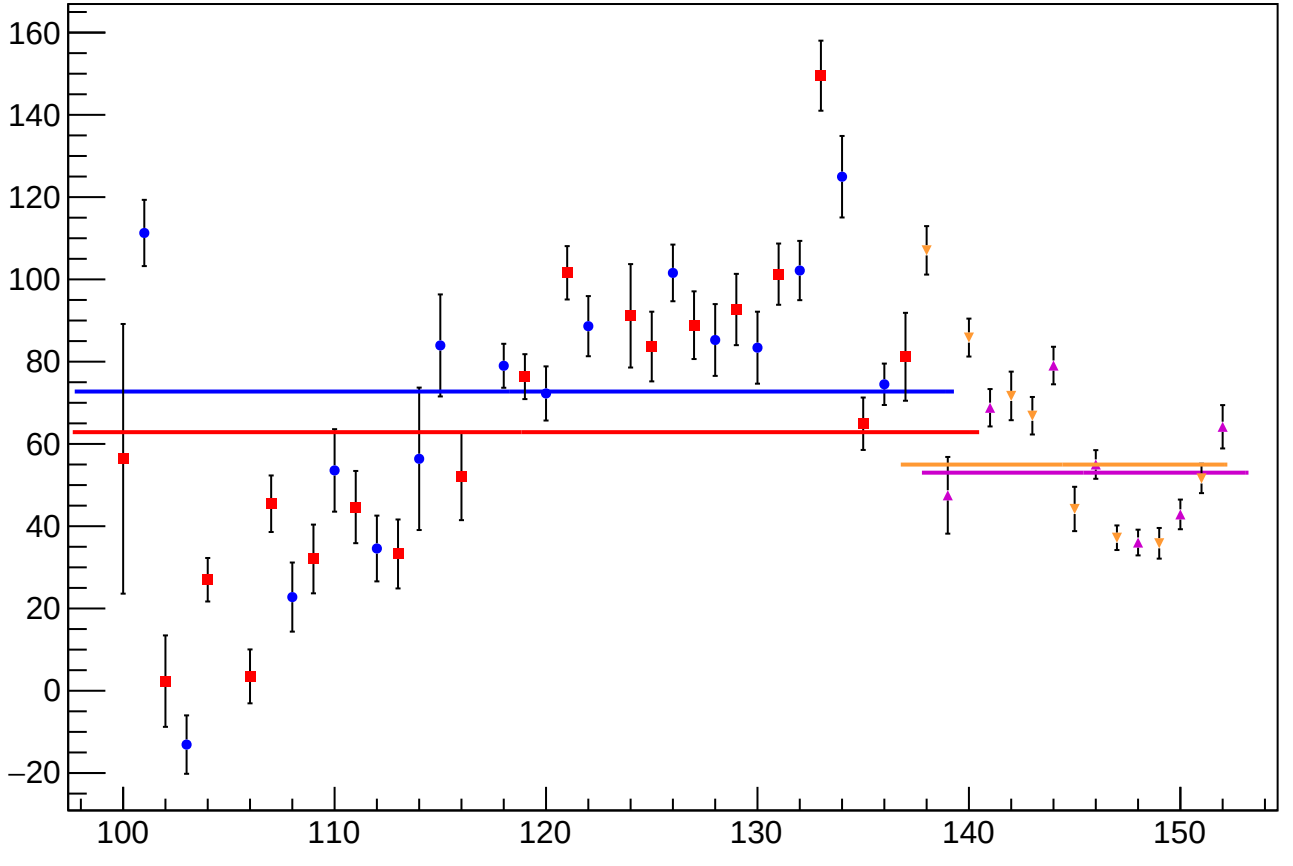
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 375.576+/-1.288 χ^2/NDF:3543.5/22

Out: 355.310+/-1.226 χ^2/NDF:5689.4/26

All: 364.945+/-0.888 χ^2/NDF: 9362.8/49

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: 53.015+/-1.570 χ^2/NDF:87.2/6

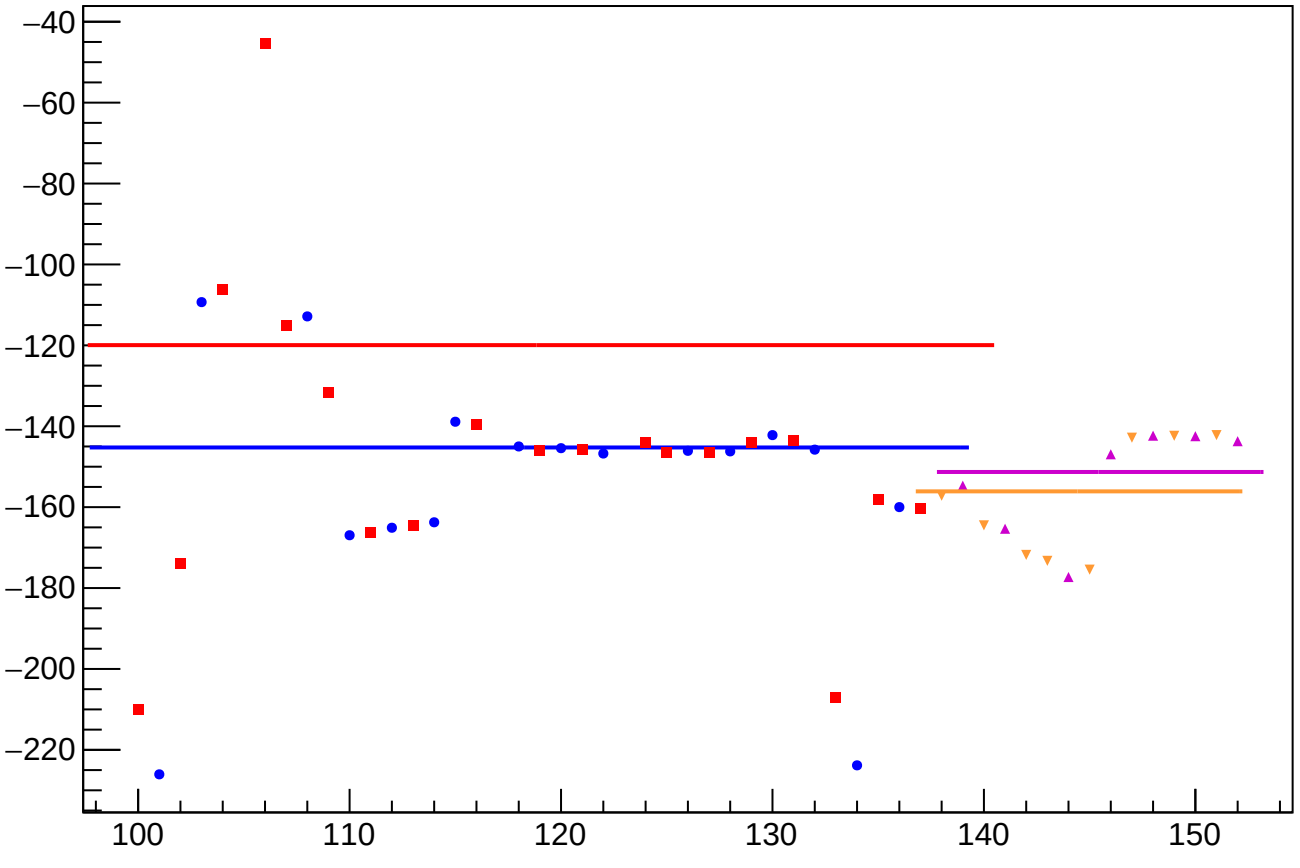
Left: 54.050+/-1.082 χ^2/NDF: 292.4/14

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 61.036+/-1.210 χ^2/NDF:455.7/22

Out: 58.204+/-1.147 χ^2/NDF:619.4/26

All: 59.545+/-0.832 χ^2/NDF: 1077.9/49



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: -151.303+/-0.077 χ^2/NDF:22314.9/6

Left: -153.702+/-0.054 χ^2/NDF: 55651.4/14

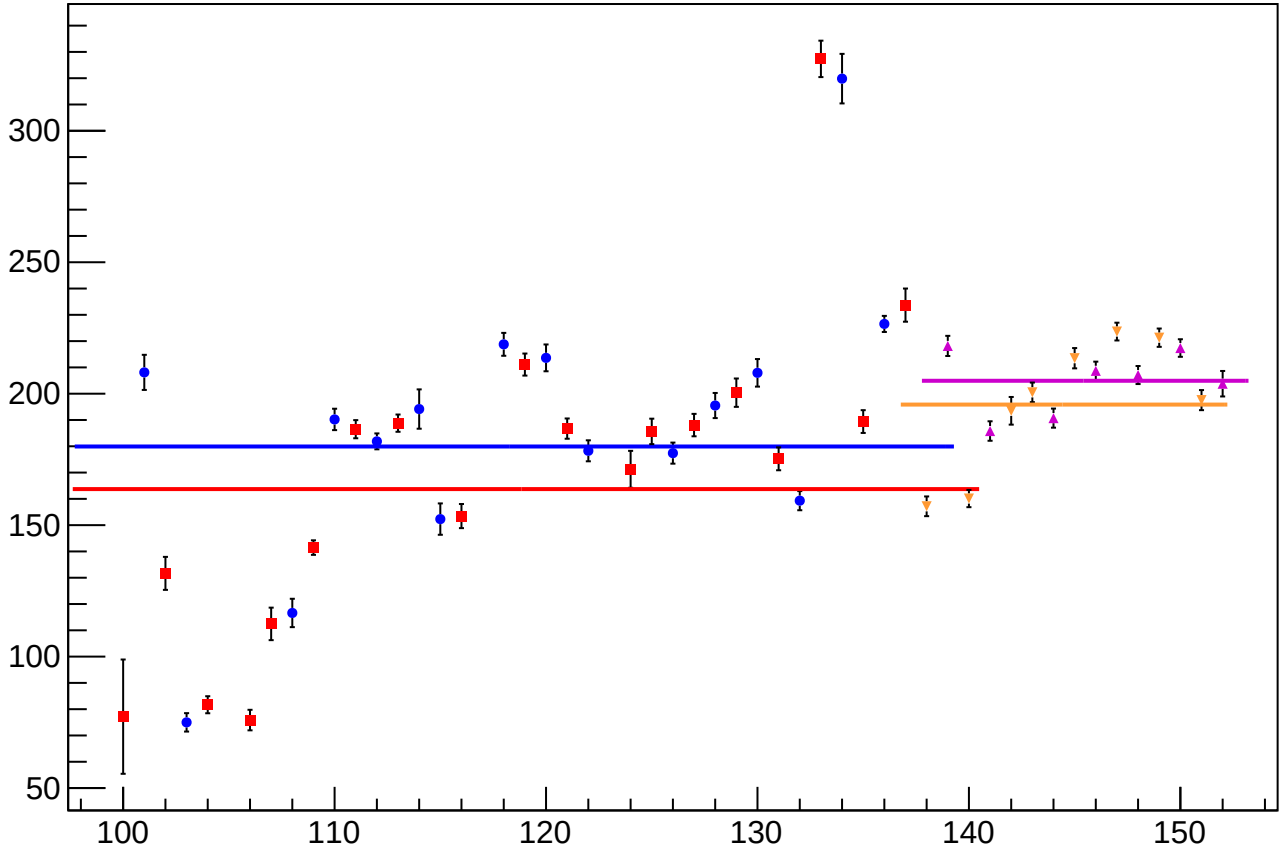
Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -149.003+/-0.061 χ^2/NDF:156725.3/22

Out: -140.642+/-0.058 χ^2/NDF:396261.1/26

All: -144.652+/-0.042 χ^2/NDF: 562892.9/49

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: 204.914+/-1.392 χ^2/NDF:69.4/6

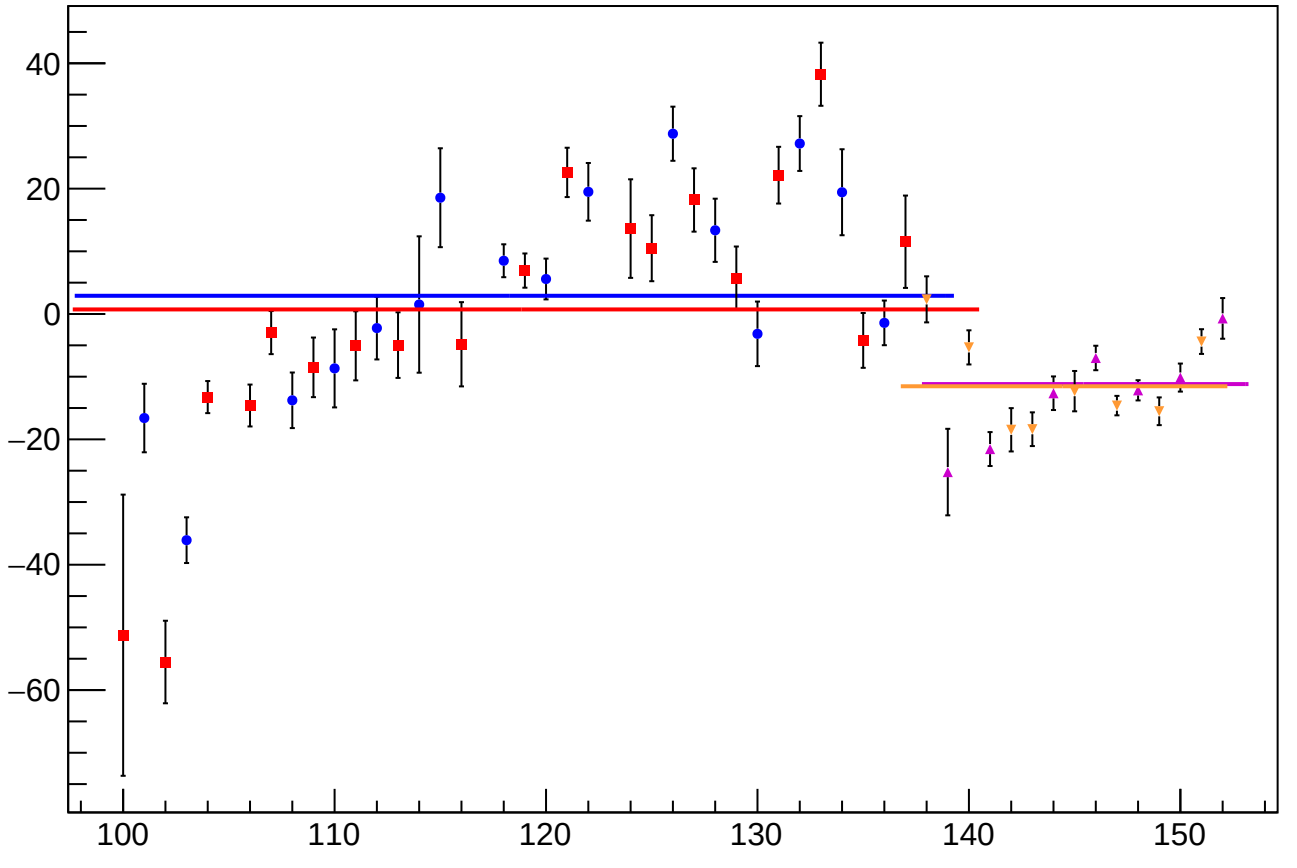
Left: 200.130+/-0.956 χ^2/NDF: 460.9/14

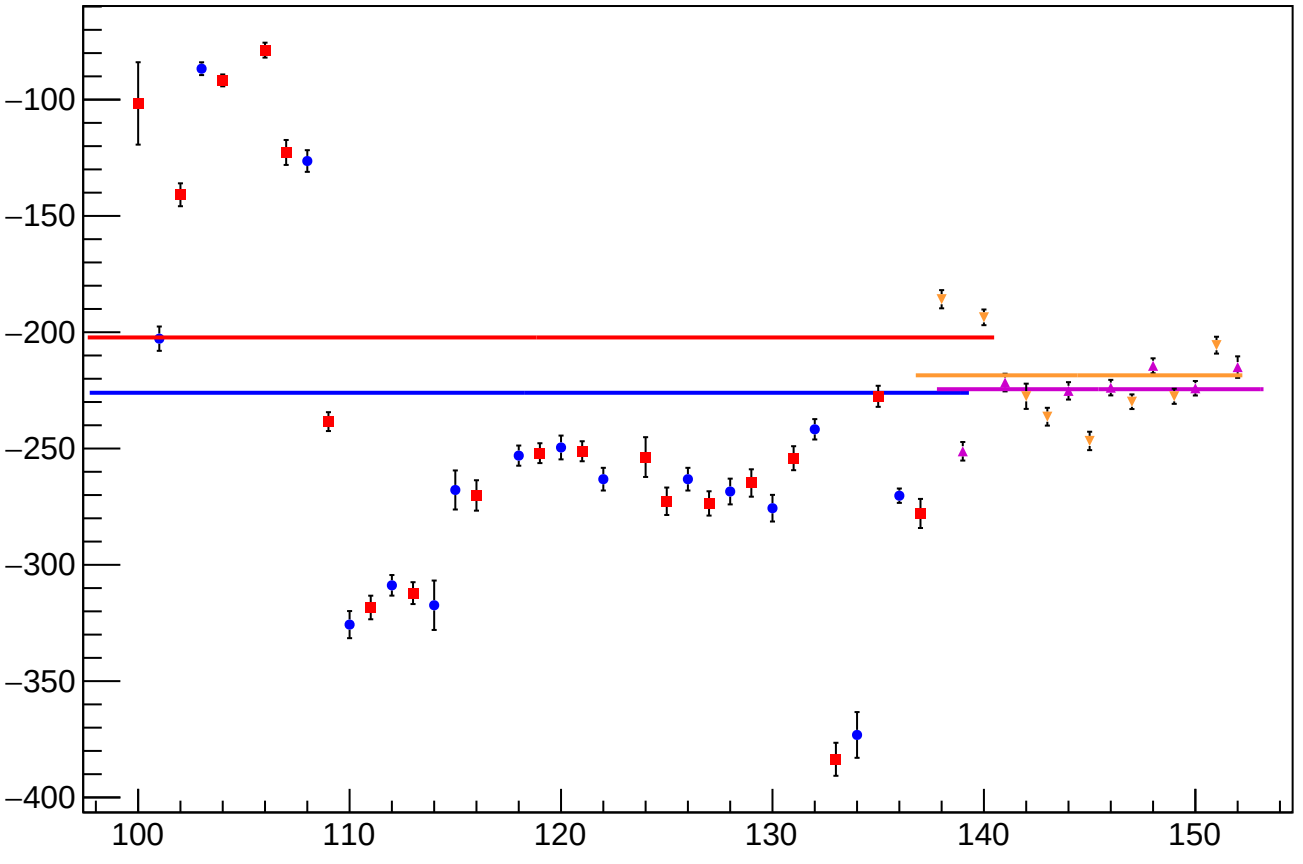
Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 189.402+/-0.858 χ^2/NDF:2002.1/22

Out: 175.505+/-0.796 χ^2/NDF:3164.2/26

All: 181.941+/-0.584 χ^2/NDF: 5307.4/49


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: -11.180+/-0.899 χ²/NDF:34.7/6
Left: -11.366+/-0.615 χ²/NDF: 85.0/14
Right: 1.723+/-0.746 χ²/NDF: 523.2/34
In: -5.569+/-0.697 χ²/NDF:380.0/22
Out: -6.502+/-0.648 χ²/NDF:410.4/26
All: -6.069+/-0.475 χ²/NDF: 791.4/49



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: -224.496+/-1.361 χ^2/NDF:59.4/6

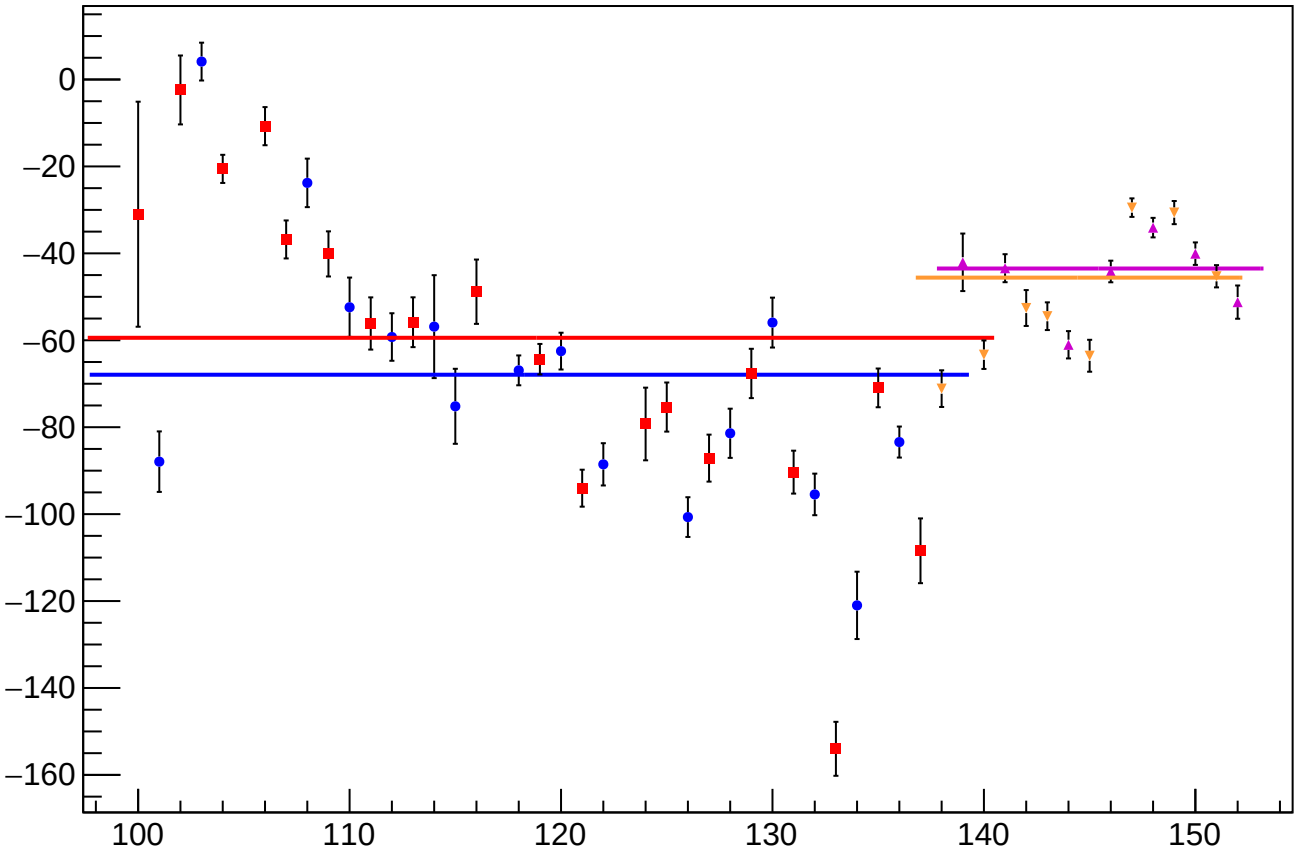
Left: -221.375+/-0.941 χ^2/NDF: 302.8/14

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -225.374+/-0.889 χ^2/NDF:4599.2/22

Out: -208.938+/-0.834 χ^2/NDF:7016.2/26

All: -216.629+/-0.608 χ^2/NDF: 11797.0/49



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: -43.488+/-1.120 χ^2/NDF:54.6/6

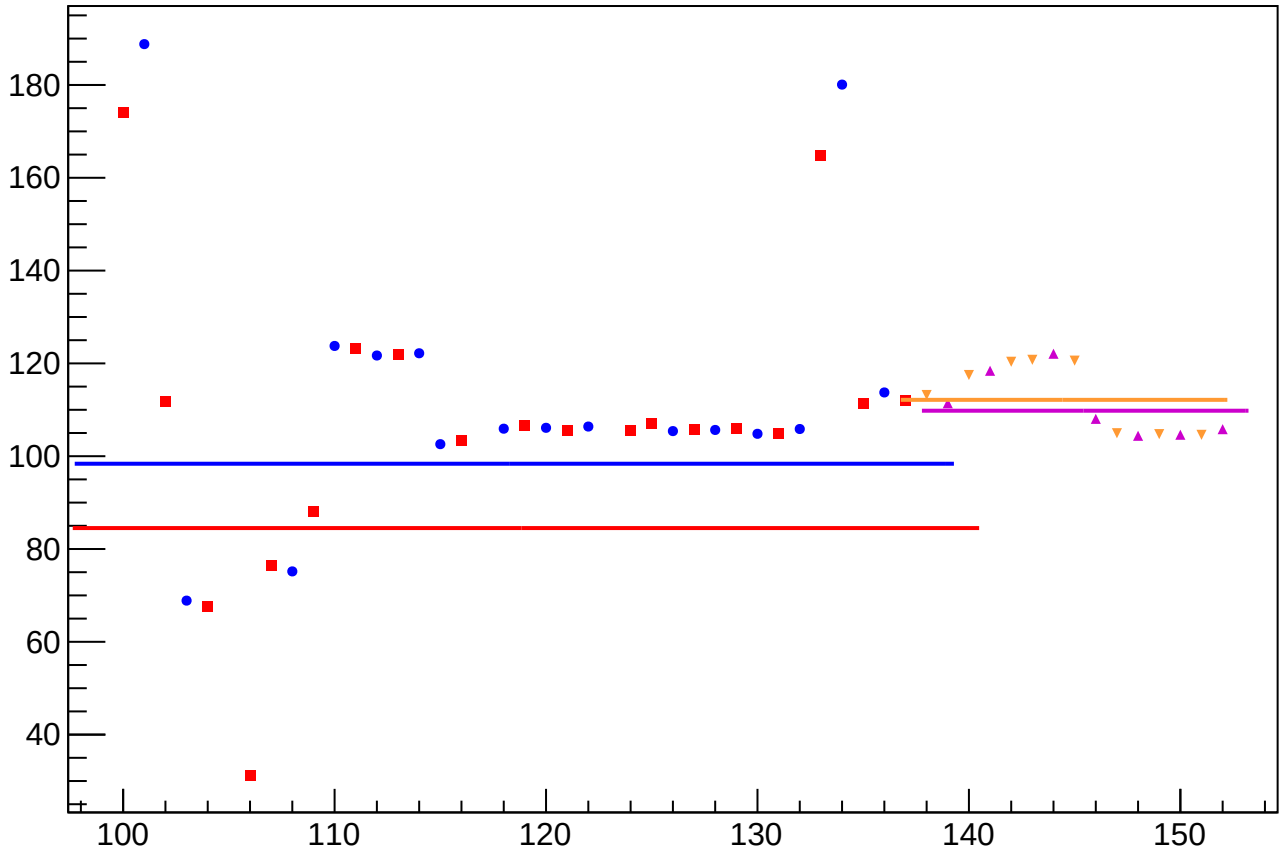
Left: -44.596+/-0.769 χ^2/NDF: 245.8/14

Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -54.099+/-0.842 χ^2/NDF:795.6/22

Out: -51.726+/-0.789 χ^2/NDF:1060.2/26

All: -52.834+/-0.576 χ^2/NDF: 1860.0/49



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: 109.802+/-0.055 χ^2/NDF:12688.5/6

Left: 110.982+/-0.039 χ^2/NDF: 30401.3/14

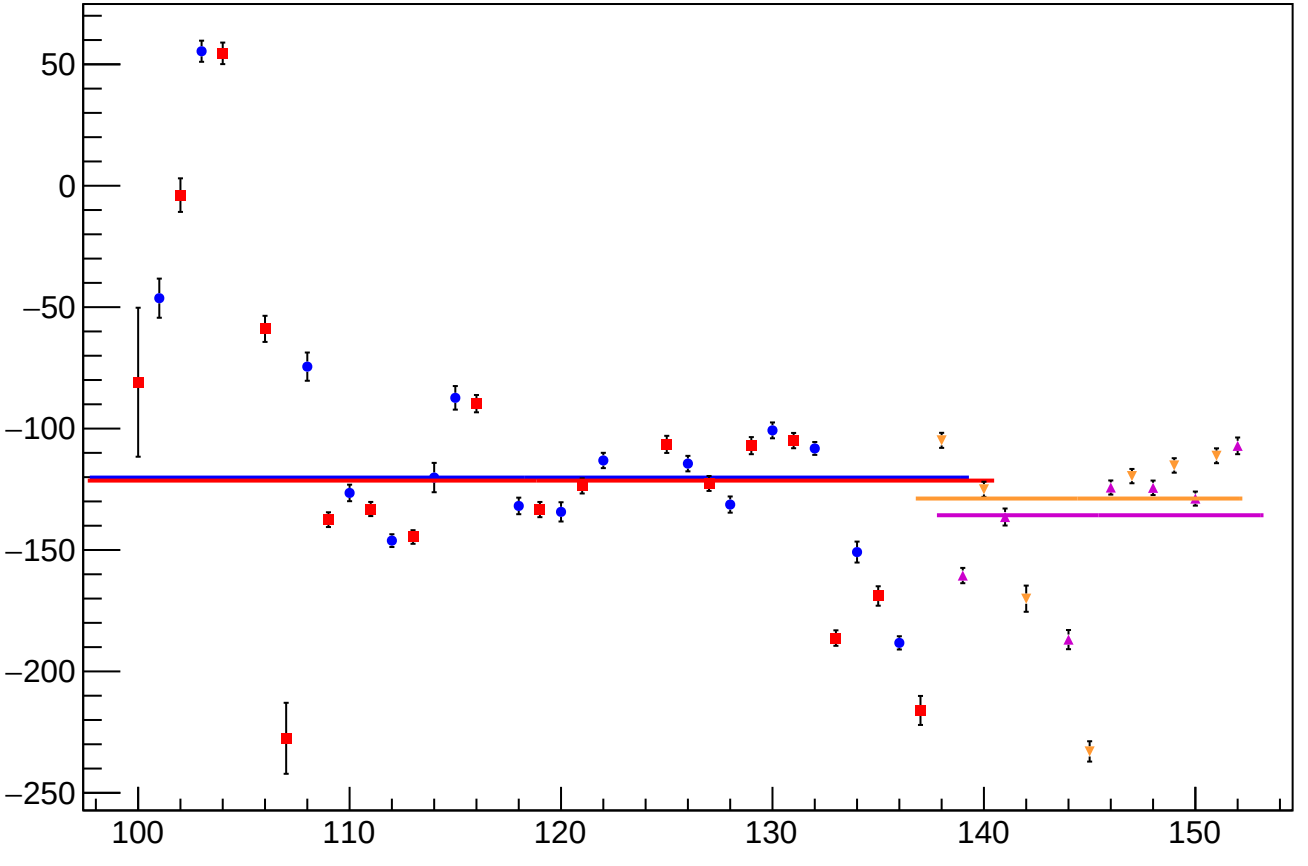
Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.139+/-0.042 χ^2/NDF:258820.8/22

Out: 99.808+/-0.041 χ^2/NDF:400692.5/26

All: 102.365+/-0.029 χ^2/NDF: 667818.3/49

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -128.809+/-1.257 χ^2/NDF:802.2/6

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -135.688+/-1.213 χ^2/NDF:334.7/6

Left: -132.372+/-0.873 χ^2/NDF: 1152.4/13

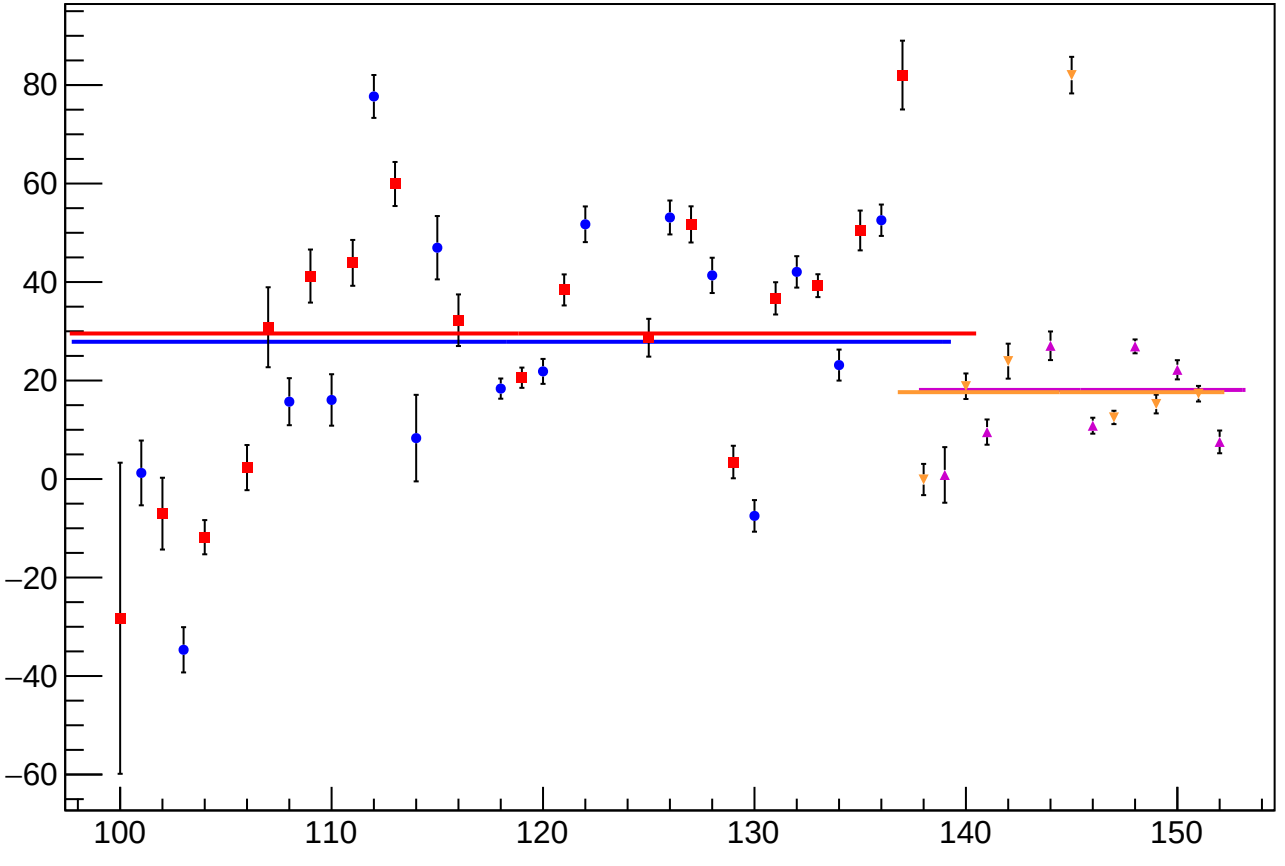
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -125.611+/-0.718 χ^2/NDF:3132.2/22

Out: -123.832+/-0.718 χ^2/NDF:3951.8/24

All: -124.722+/-0.508 χ^2/NDF: 7087.1/47

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 17.639+/-0.786 χ^2/NDF:351.0/6

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 18.091+/-0.782 χ^2/NDF:114.8/6

Left: 17.867+/-0.554 χ^2/NDF: 466.0/13

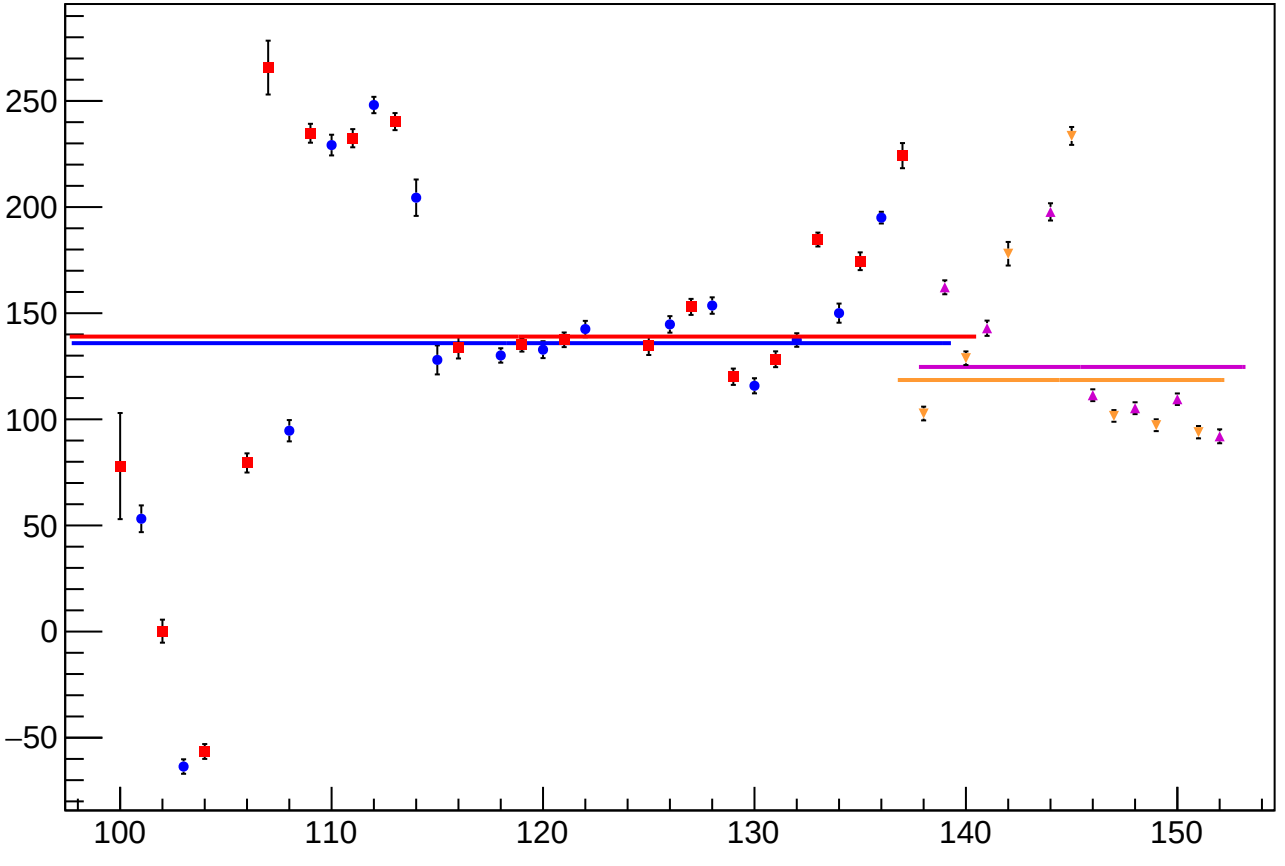
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 22.359+/-0.587 χ^2/NDF:882.8/22

Out: 22.862+/-0.589 χ^2/NDF:949.2/24

All: 22.610+/-0.416 χ^2/NDF: 1832.3/47

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 118.523+/-1.231 χ^2/NDF:1058.4/6

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 124.680+/-1.181 χ^2/NDF:681.0/6

Left: 121.727+/-0.852 χ^2/NDF: 1752.4/13

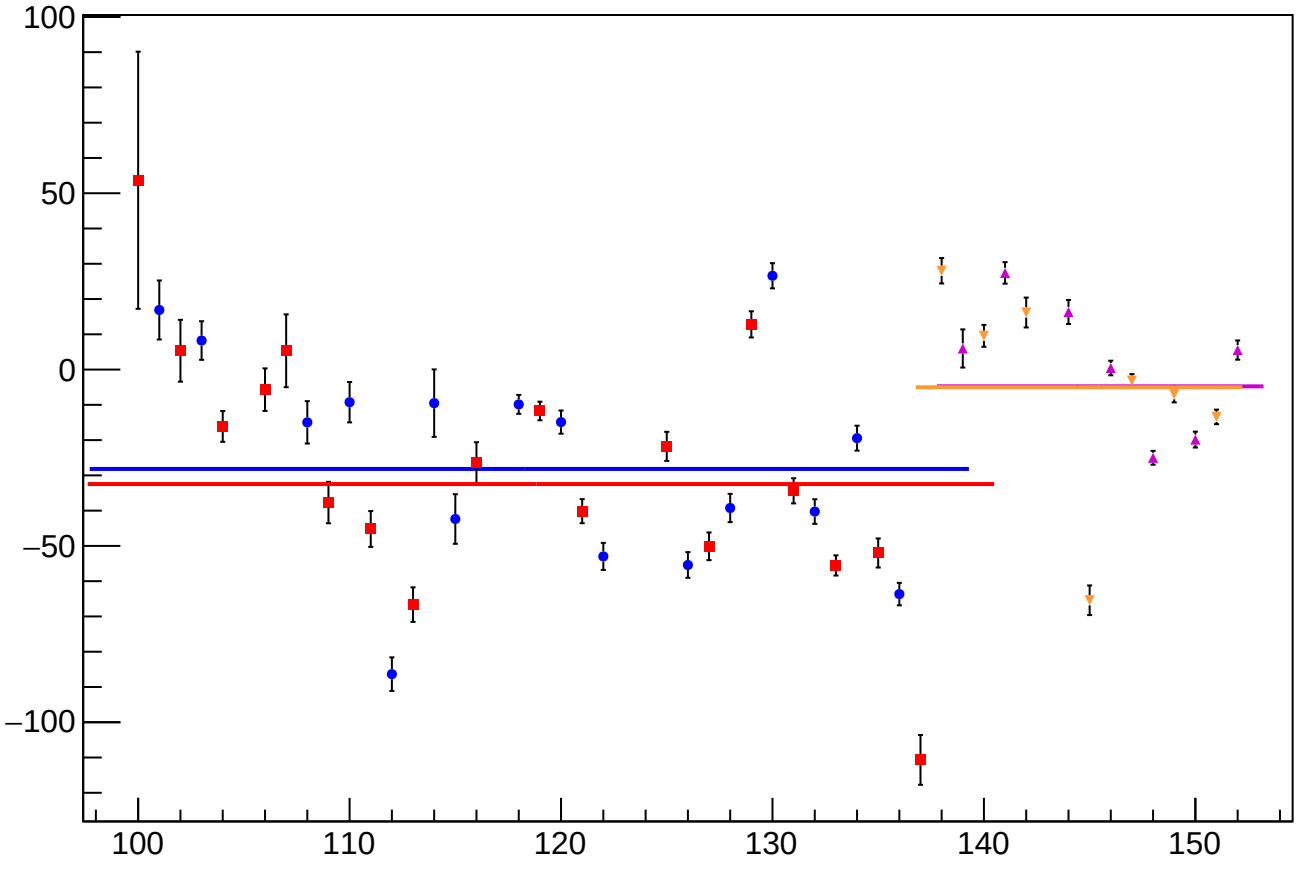
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 131.214+/-0.763 χ^2/NDF:6197.1/22

Out: 130.865+/-0.775 χ^2/NDF:7381.6/24

All: 131.042+/-0.544 χ^2/NDF: 13578.8/47

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: -4.758+/-0.974 χ^2/NDF:325.8/6

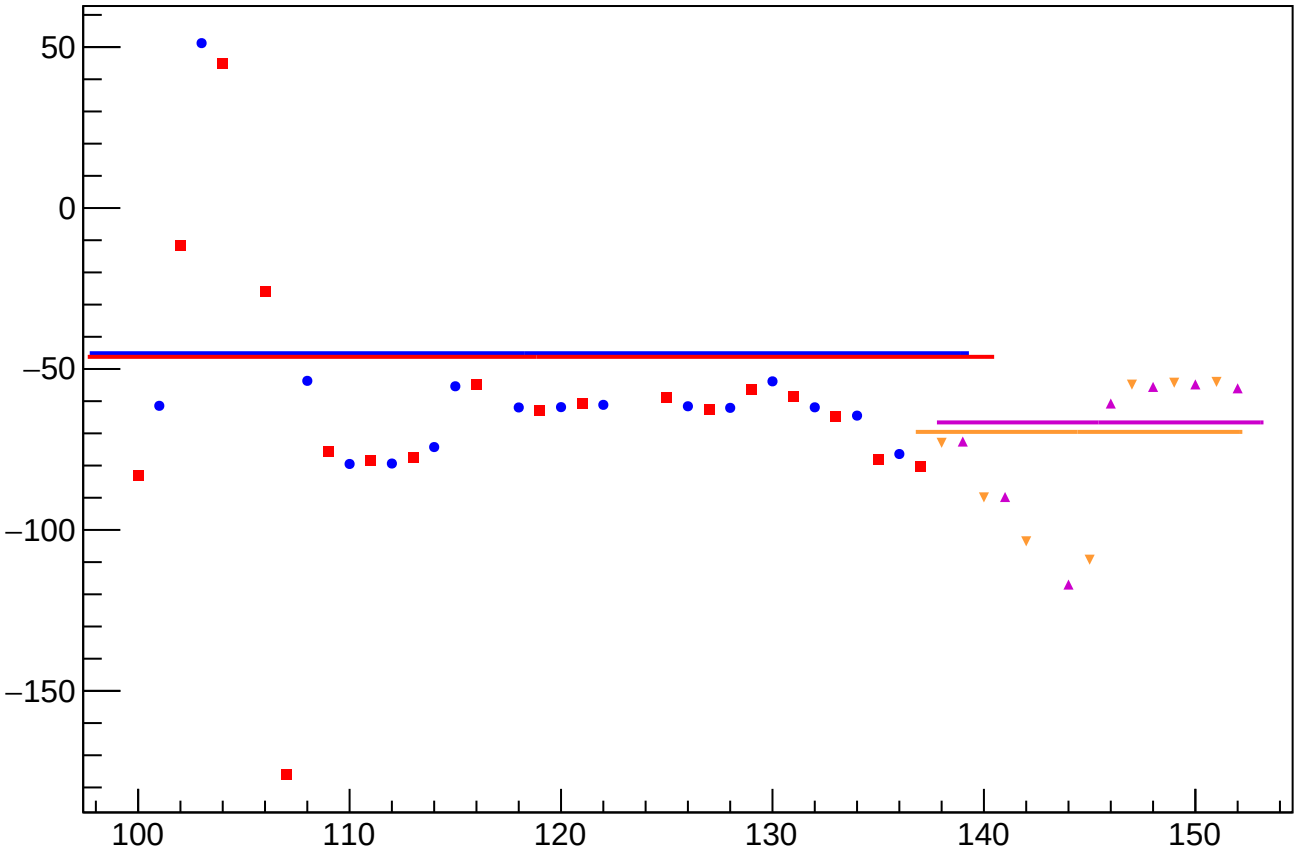
Left: -4.885+/-0.696 χ^2/NDF: 681.9/13

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -15.902+/-0.705 χ^2/NDF:1392.1/22

Out: -18.307+/-0.715 χ^2/NDF:1304.9/24

All: -17.088+/-0.502 χ^2/NDF: 2702.7/47



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: -66.600+/-0.047 χ^2/NDF:135048.2/6

Left: -67.945+/-0.035 χ^2/NDF: 287072.2/13

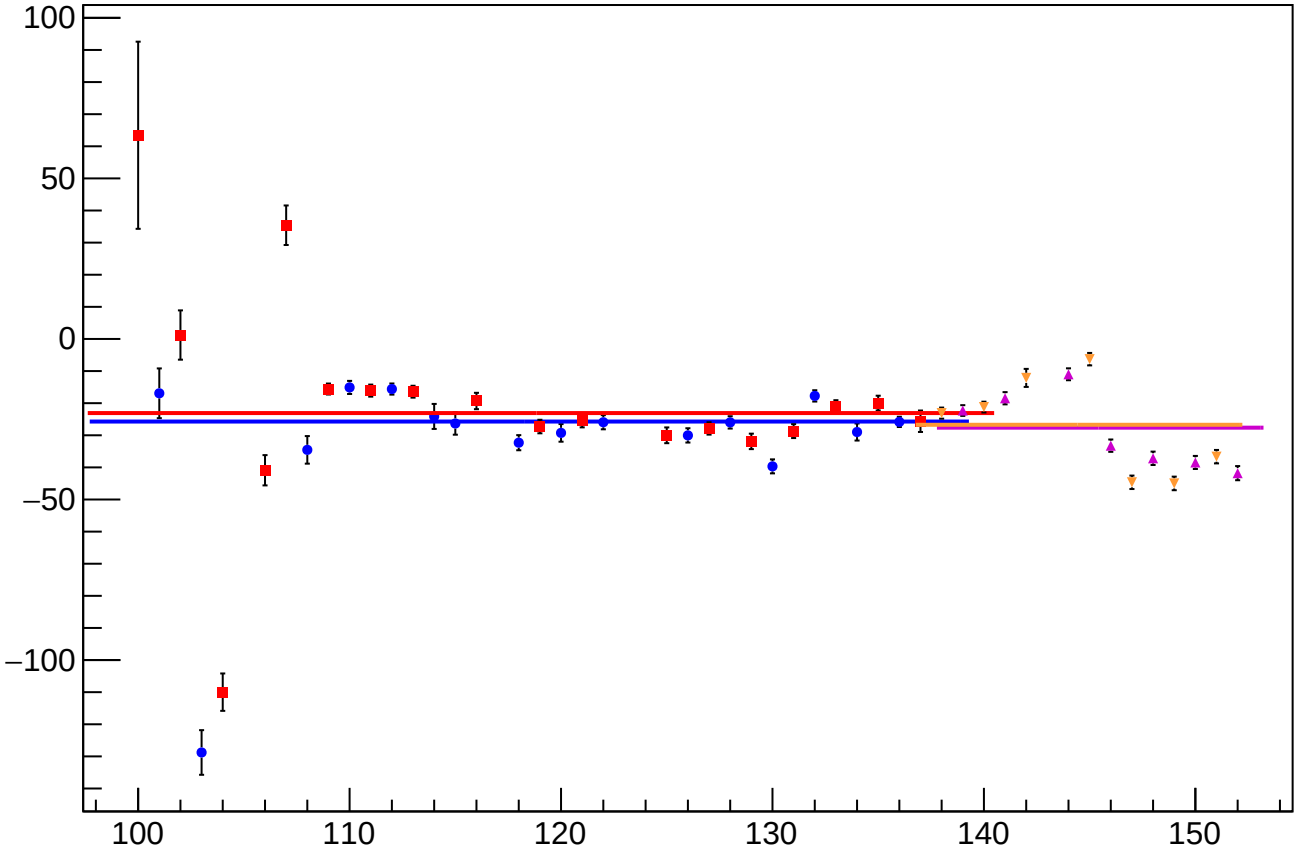
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.453+/-0.037 χ^2/NDF:789570.9/22

Out: -60.203+/-0.040 χ^2/NDF:727010.7/24

All: -59.269+/-0.027 χ^2/NDF: 1517622.4/47

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: -27.628+/-0.731 χ^2/NDF:212.5/6

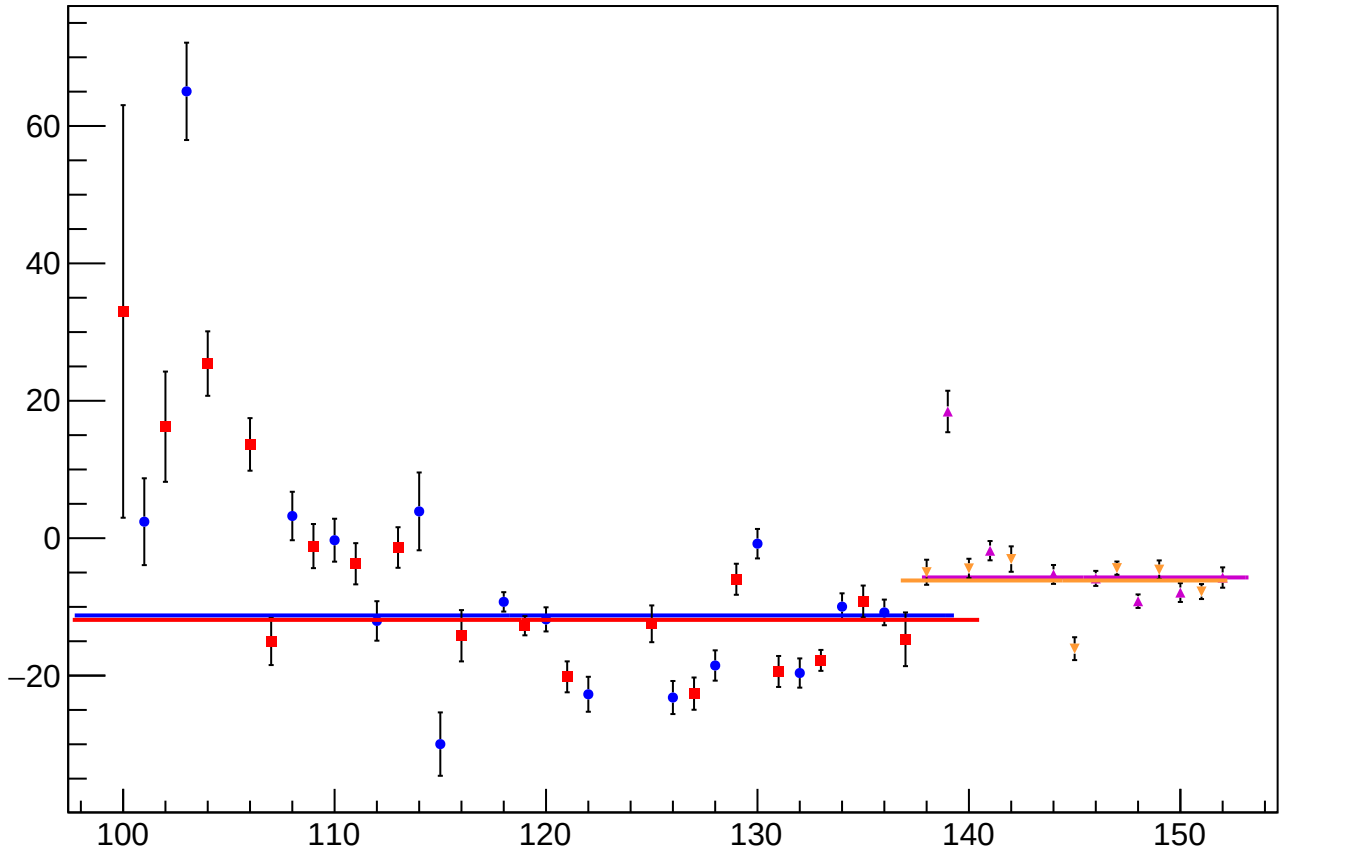
Left: -27.192+/-0.525 χ^2/NDF: 536.4/13

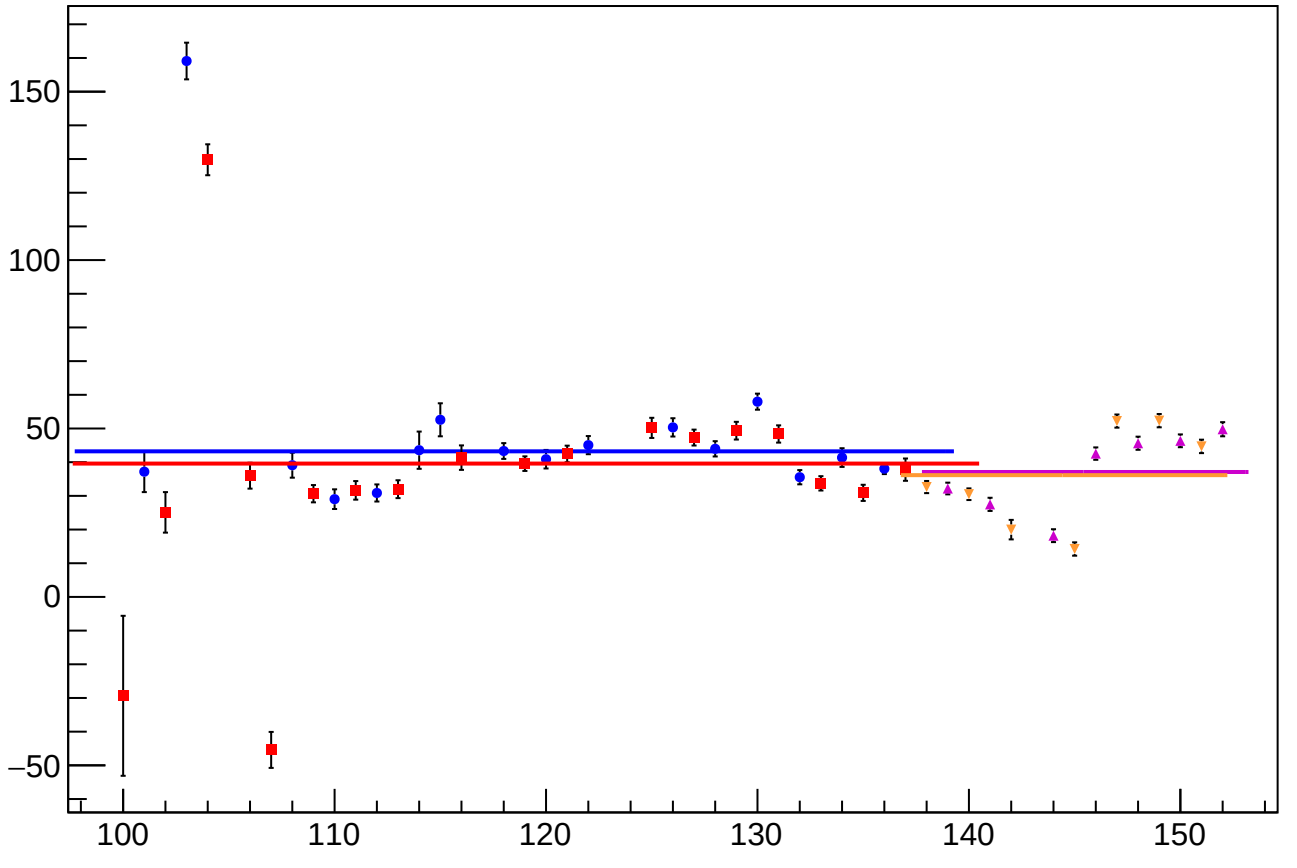
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -26.474+/-0.459 χ^2/NDF:579.6/22

Out: -24.441+/-0.461 χ^2/NDF:775.0/24

All: -25.461+/-0.325 χ^2/NDF: 1364.3/47


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
Right In: -11.246+/-0.600 χ²/NDF: 271.1/15
Left Out: -6.157+/-0.505 χ²/NDF:47.4/6
Right Out: -11.890+/-0.607 χ²/NDF: 224.5/17
Left In: -5.715+/-0.500 χ²/NDF:86.8/6
Left: -5.934+/-0.355 χ²/NDF: 134.5/13
Right: -11.564+/-0.427 χ²/NDF: 496.1/33
In: -7.982+/-0.384 χ²/NDF:408.0/22
Out: -8.502+/-0.388 χ²/NDF:324.6/24
All: -8.239+/-0.273 χ²/NDF: 733.5/47



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: 37.088+/-0.721 χ^2/NDF:217.8/6

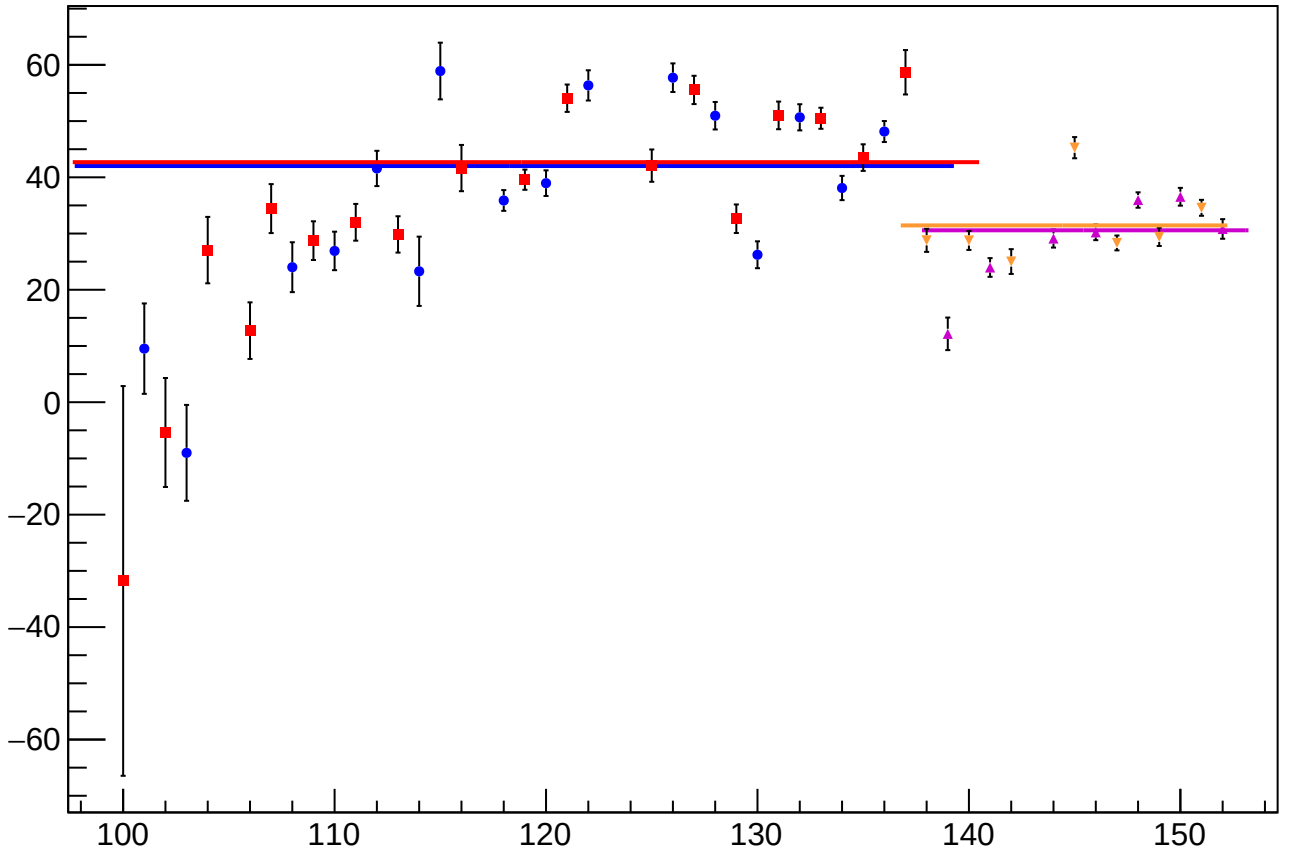
Left: 36.637+/-0.519 χ^2/NDF: 539.9/13

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 40.342+/-0.494 χ^2/NDF:832.2/22

Out: 38.022+/-0.505 χ^2/NDF:1086.7/24

All: 39.208+/-0.353 χ^2/NDF: 1929.7/47



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: 30.575+/-0.615 χ^2/NDF:86.8/6

Left: 31.000+/-0.440 χ^2/NDF: 166.3/13

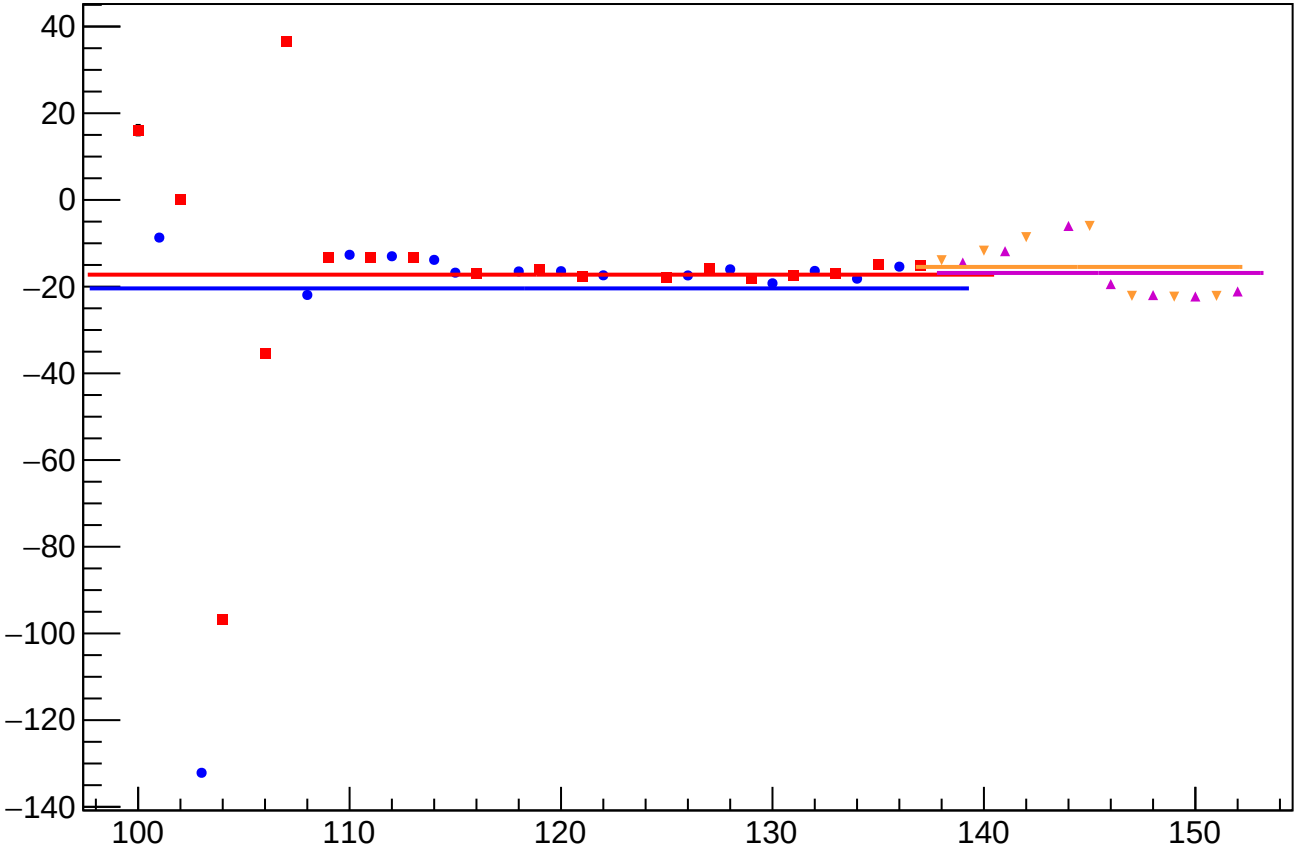
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.685+/-0.457 χ^2/NDF:514.1/22

Out: 36.514+/-0.466 χ^2/NDF:452.9/24

All: 36.091+/-0.326 χ^2/NDF: 968.6/47

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: -16.843+/-0.029 χ^2/NDF:35007.3/6

Left: -16.200+/-0.021 χ^2/NDF: 77120.8/13

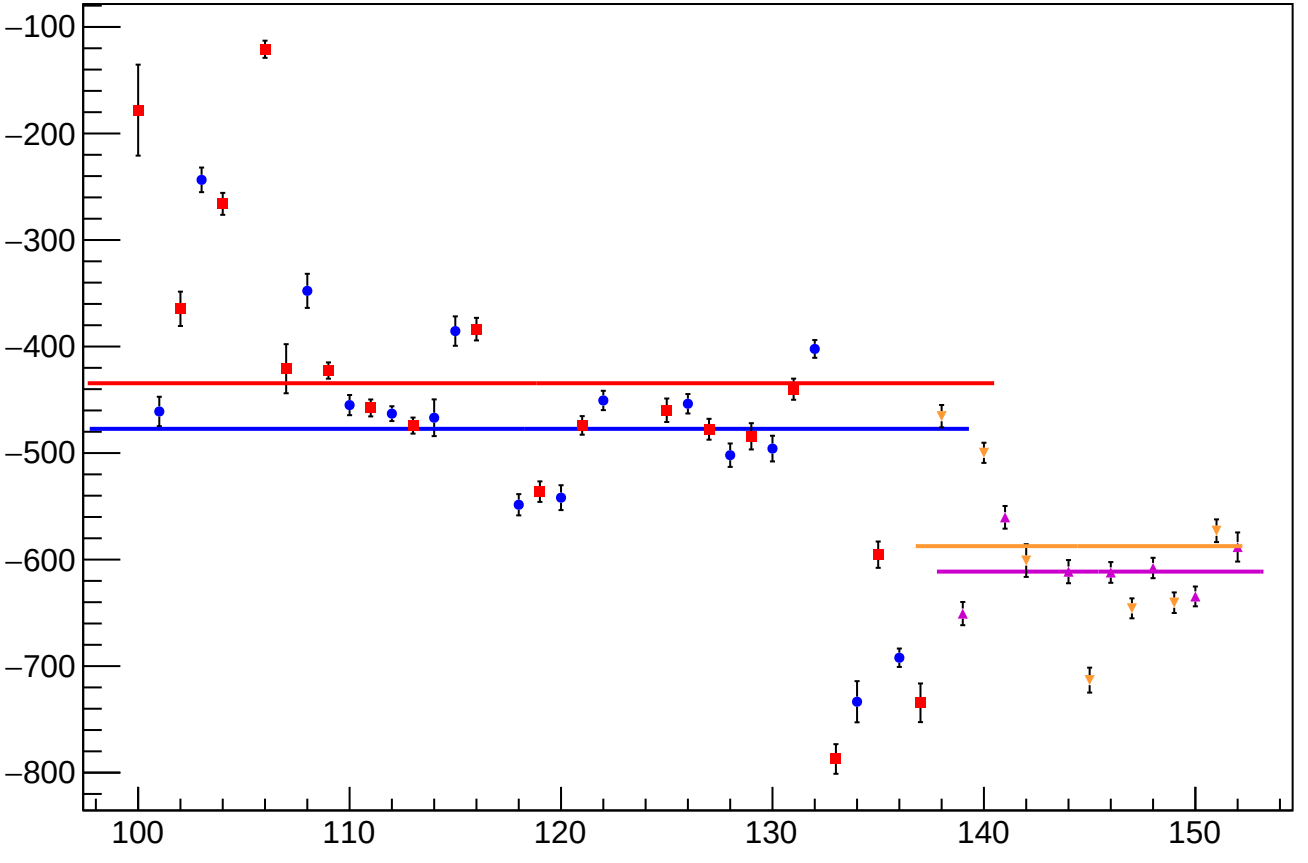
Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -17.978+/-0.024 χ^2/NDF:285542.3/22

Out: -16.040+/-0.025 χ^2/NDF:246779.4/24

All: -17.074+/-0.017 χ^2/NDF: 535451.7/47

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -587.384+/-3.993 χ^2/NDF:407.5/6

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -611.281+/-3.950 χ^2/NDF:45.3/6

Left: -599.463+/-2.808 χ^2/NDF: 470.8/13

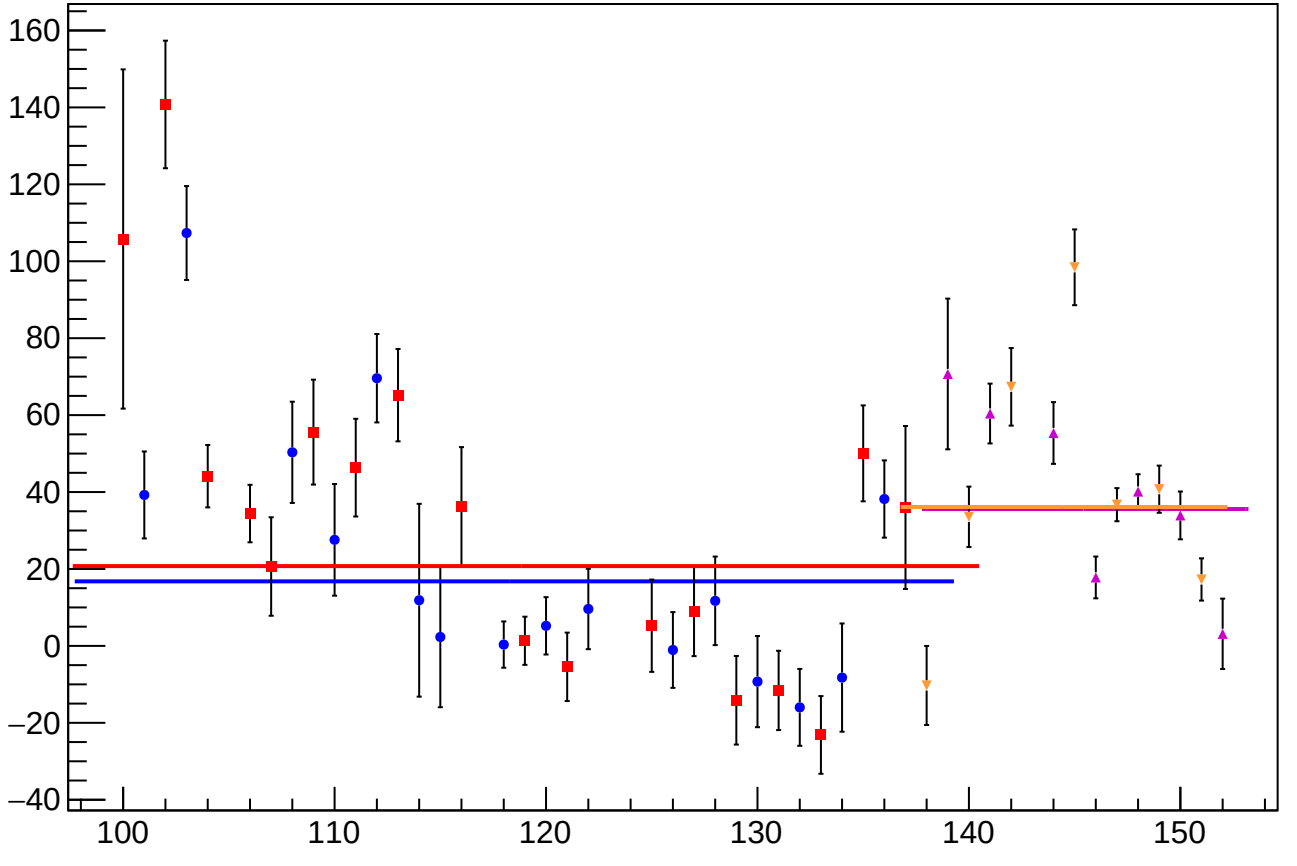
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -518.488+/-2.191 χ^2/NDF:2353.2/22

Out: -476.605+/-2.097 χ^2/NDF:4631.8/24

All: -496.628+/-1.515 χ^2/NDF: 7175.7/47

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: 35.585+/-2.534 χ^2/NDF:43.9/6

Left: 35.854+/-1.781 χ^2/NDF: 126.3/13

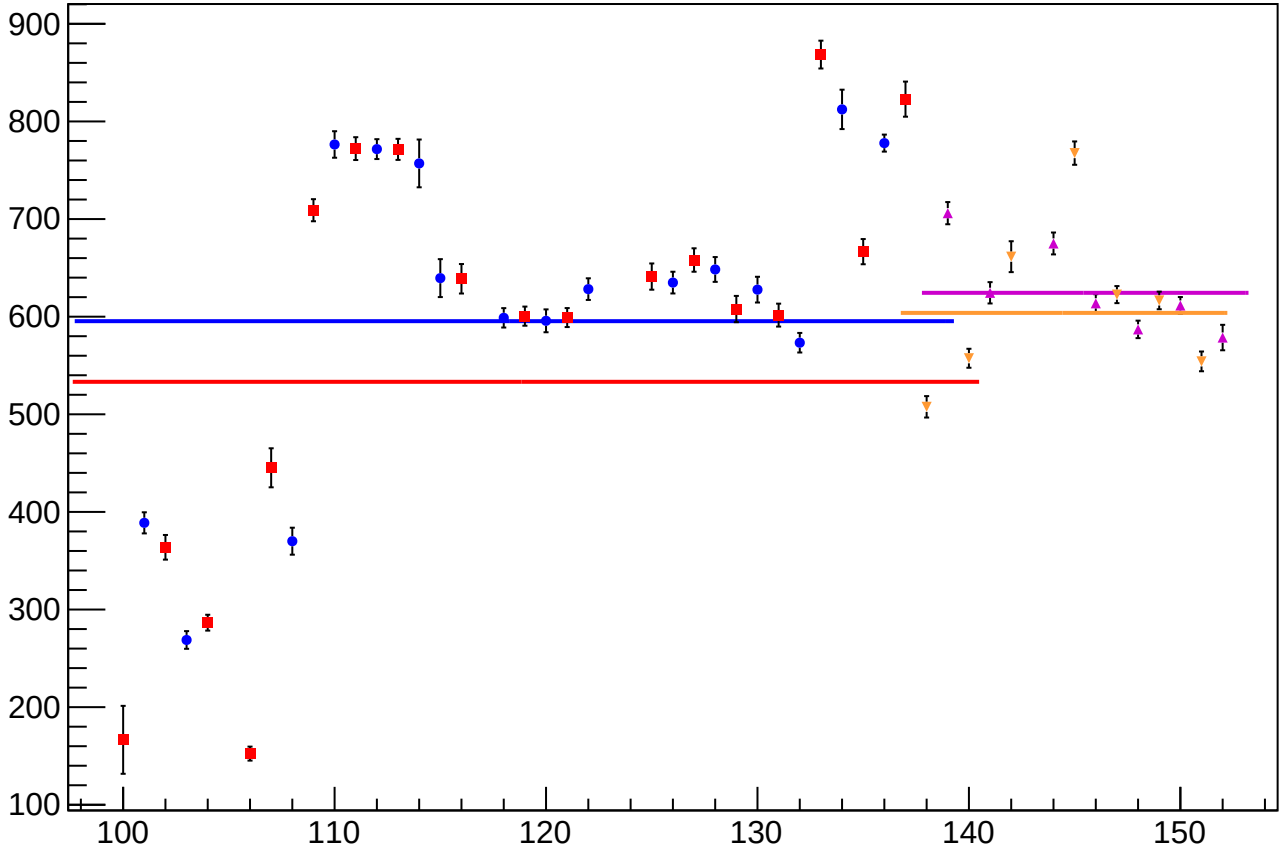
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 26.618+/-1.833 χ^2/NDF:195.1/22

Out: 28.570+/-1.786 χ^2/NDF:258.9/24

All: 27.619+/-1.279 χ^2/NDF: 454.6/47

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: 624.442+/-3.856 χ^2/NDF:105.3/6

Left: 614.336+/-2.749 χ^2/NDF: 450.1/13

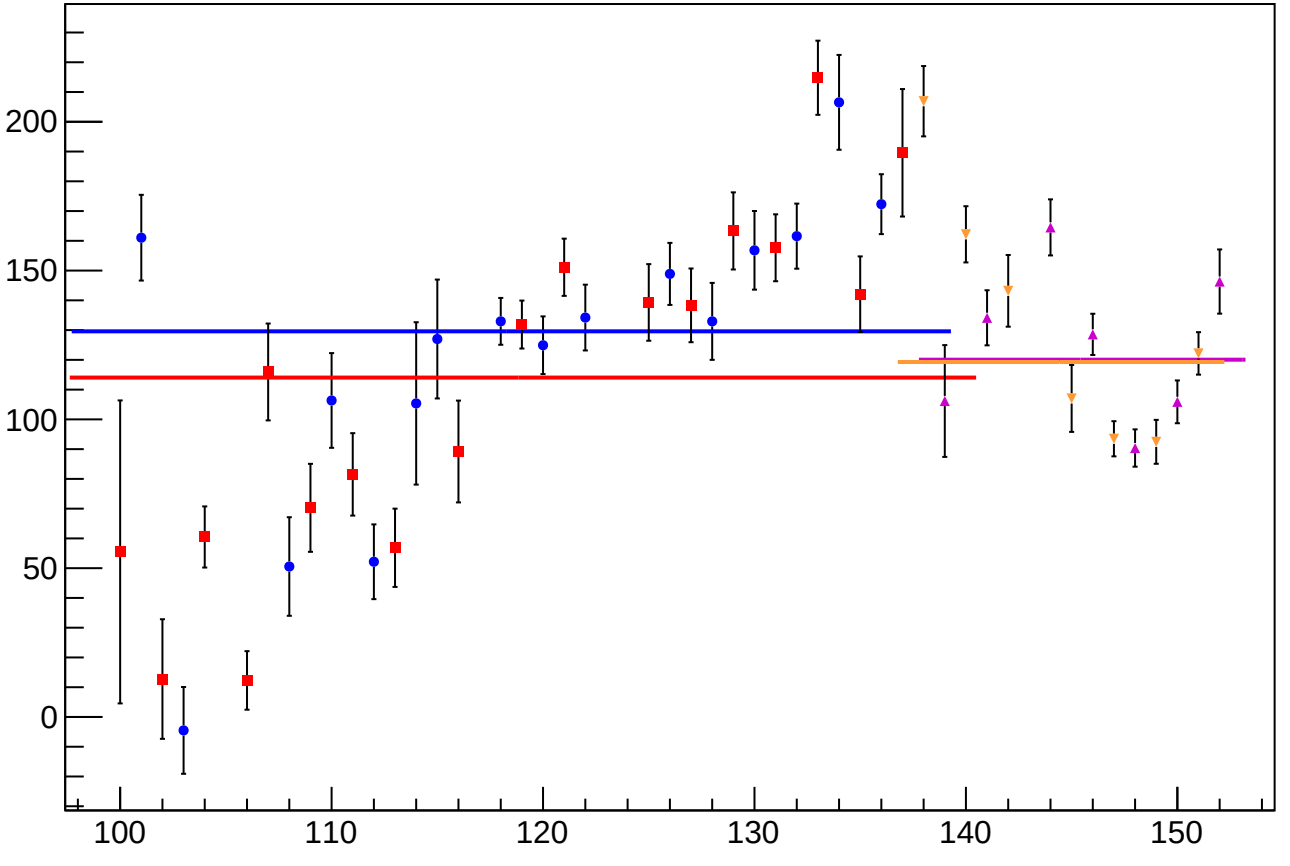
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 606.034+/-2.333 χ^2/NDF:3201.0/22

Out: 556.513+/-2.249 χ^2/NDF:7051.2/24

All: 580.373+/-1.619 χ^2/NDF: 10485.7/47

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: 120.056+/-3.162 χ^2/NDF:58.9/6

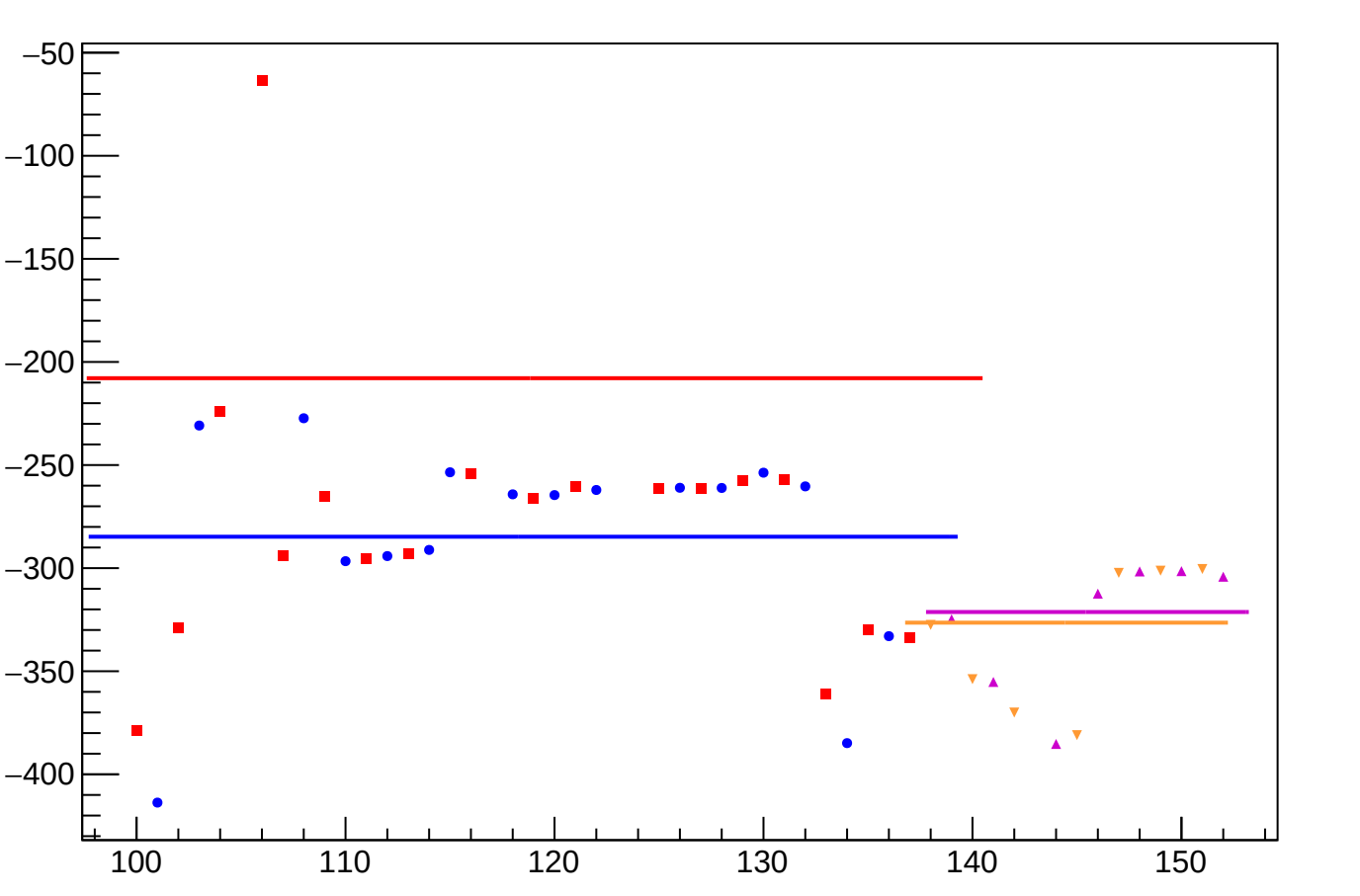
Left: 119.673+/-2.237 χ^2/NDF: 172.2/13

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 124.945+/-2.207 χ^2/NDF:274.8/22

Out: 116.508+/-2.168 χ^2/NDF:450.6/24

All: 120.652+/-1.546 χ^2/NDF: 732.9/47



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: -321.272+/-0.155 χ^2/NDF:29962.9/6

Left: -323.709+/-0.113 χ^2/NDF: 64698.5/13

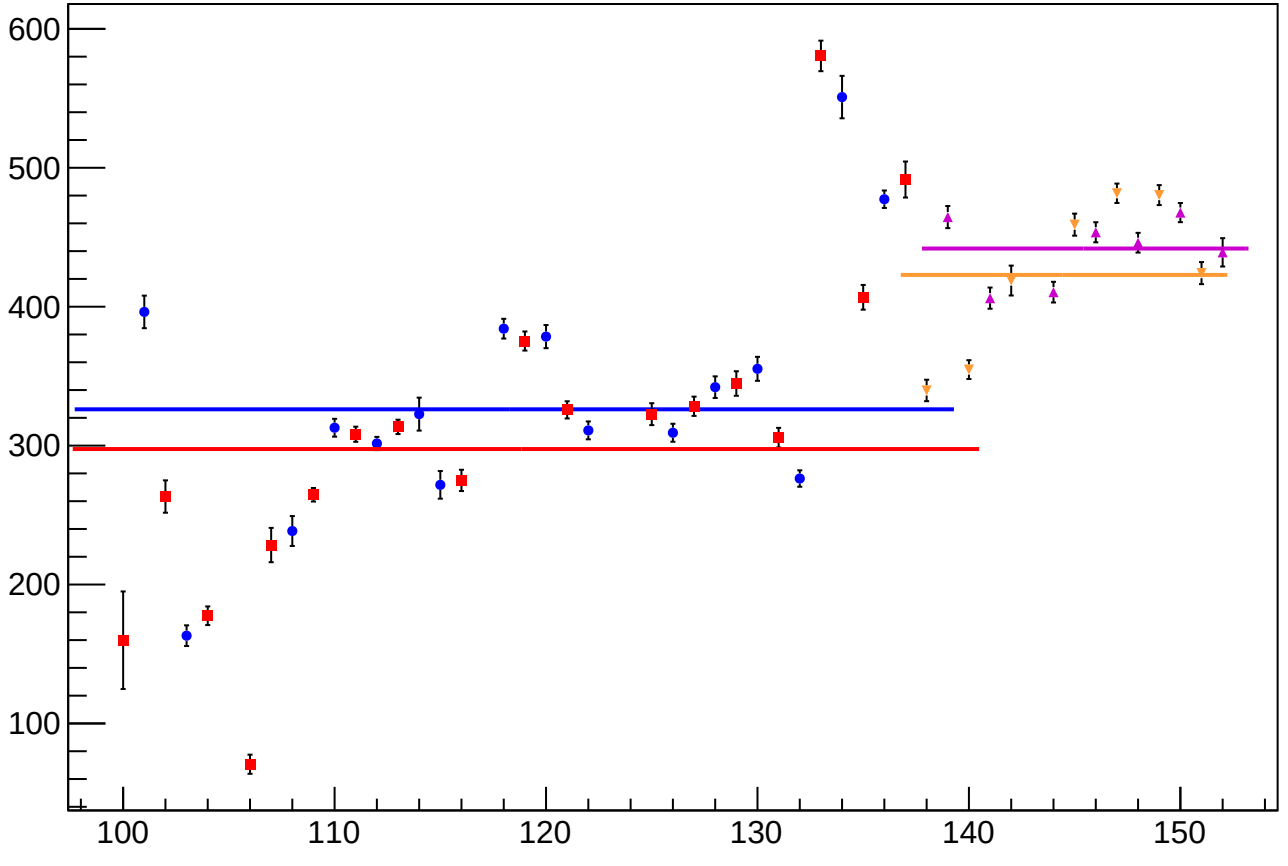
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -305.461+/-0.117 χ^2/NDF:158300.2/22

Out: -261.302+/-0.110 χ^2/NDF:856862.6/24

All: -282.114+/-0.080 χ^2/NDF: 1090671.3/47

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: 441.874+/-2.879 χ^2/NDF:64.9/6

Left: 432.445+/-2.043 χ^2/NDF: 459.7/13

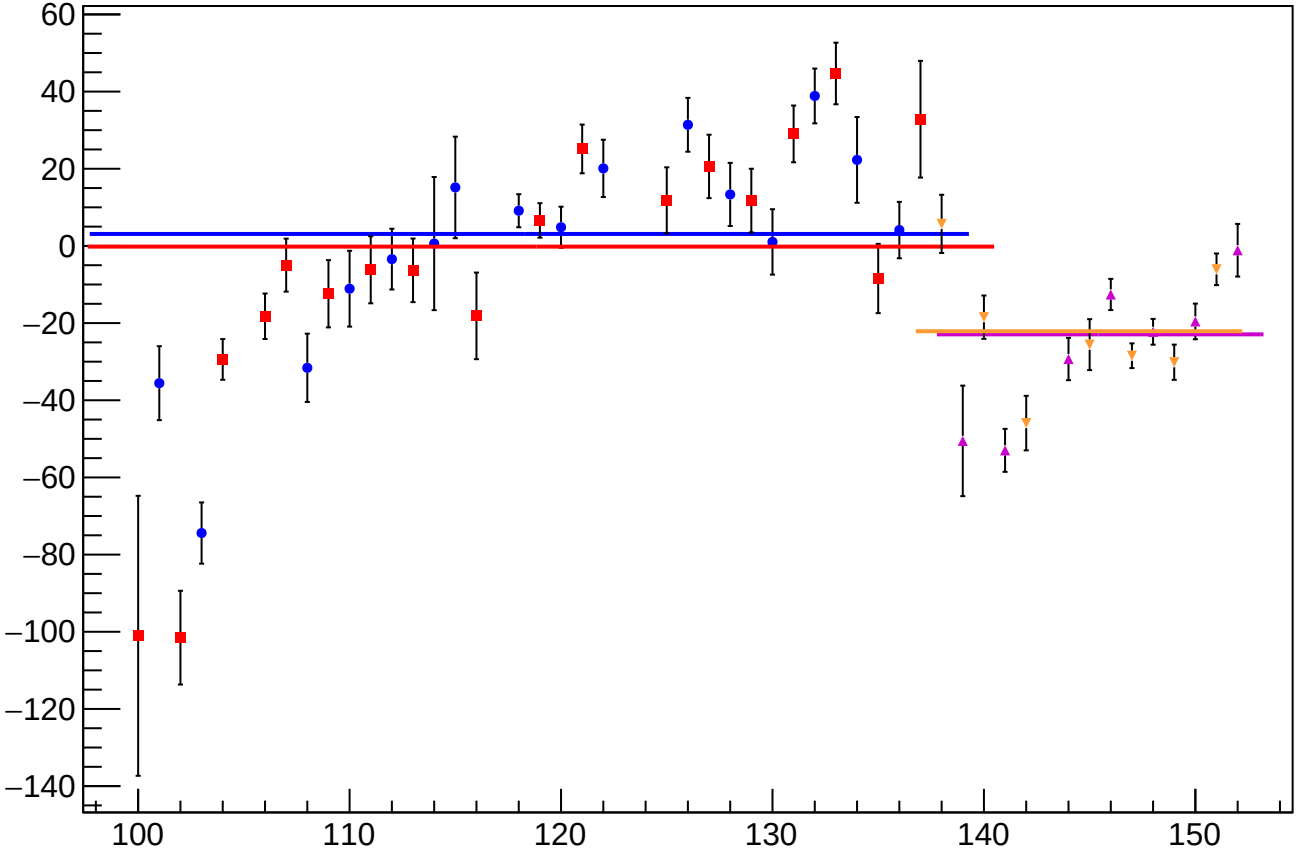
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 360.128+/-1.560 χ^2/NDF:2849.1/22

Out: 330.563+/-1.489 χ^2/NDF:4524.3/24

All: 344.650+/-1.077 χ^2/NDF: 7561.4/47

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: -22.918+/-1.859 χ^2/NDF:51.6/6

Left: -22.508+/-1.306 χ^2/NDF: 99.7/13

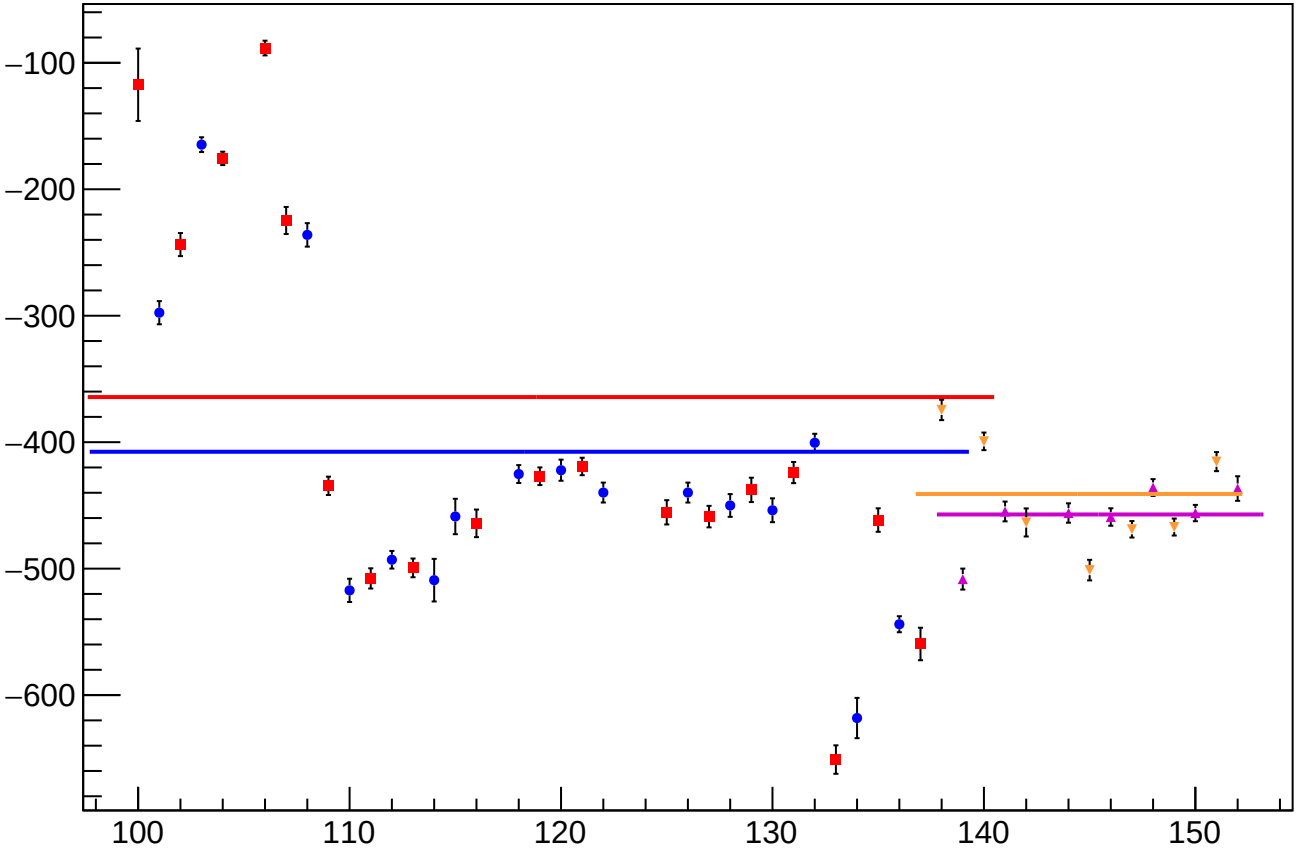
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -10.137+/-1.326 χ^2/NDF:332.3/22

Out: -10.885+/-1.281 χ^2/NDF:326.4/24

All: -10.524+/-0.922 χ^2/NDF: 658.9/47

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: -457.164+/-2.816 χ^2/NDF:52.9/6

Left: -449.174+/-2.005 χ^2/NDF: 277.0/13

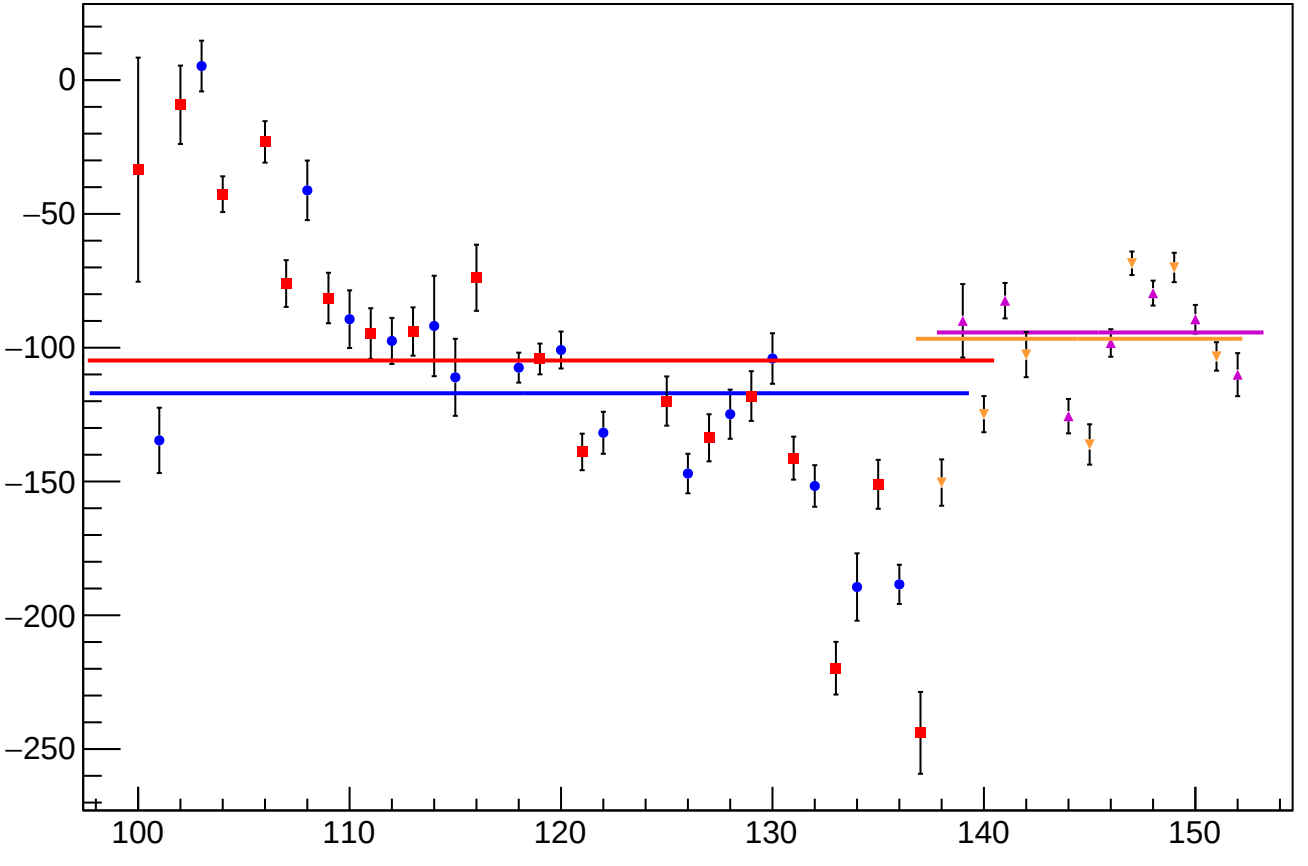
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -425.011+/-1.670 χ^2/NDF:3534.5/22

Out: -388.573+/-1.606 χ^2/NDF:6920.8/24

All: -406.082+/-1.157 χ^2/NDF: 10702.7/47

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: -94.306+/-2.315 χ^2/NDF:42.2/6

Left: -95.489+/-1.636 χ^2/NDF: 192.7/13

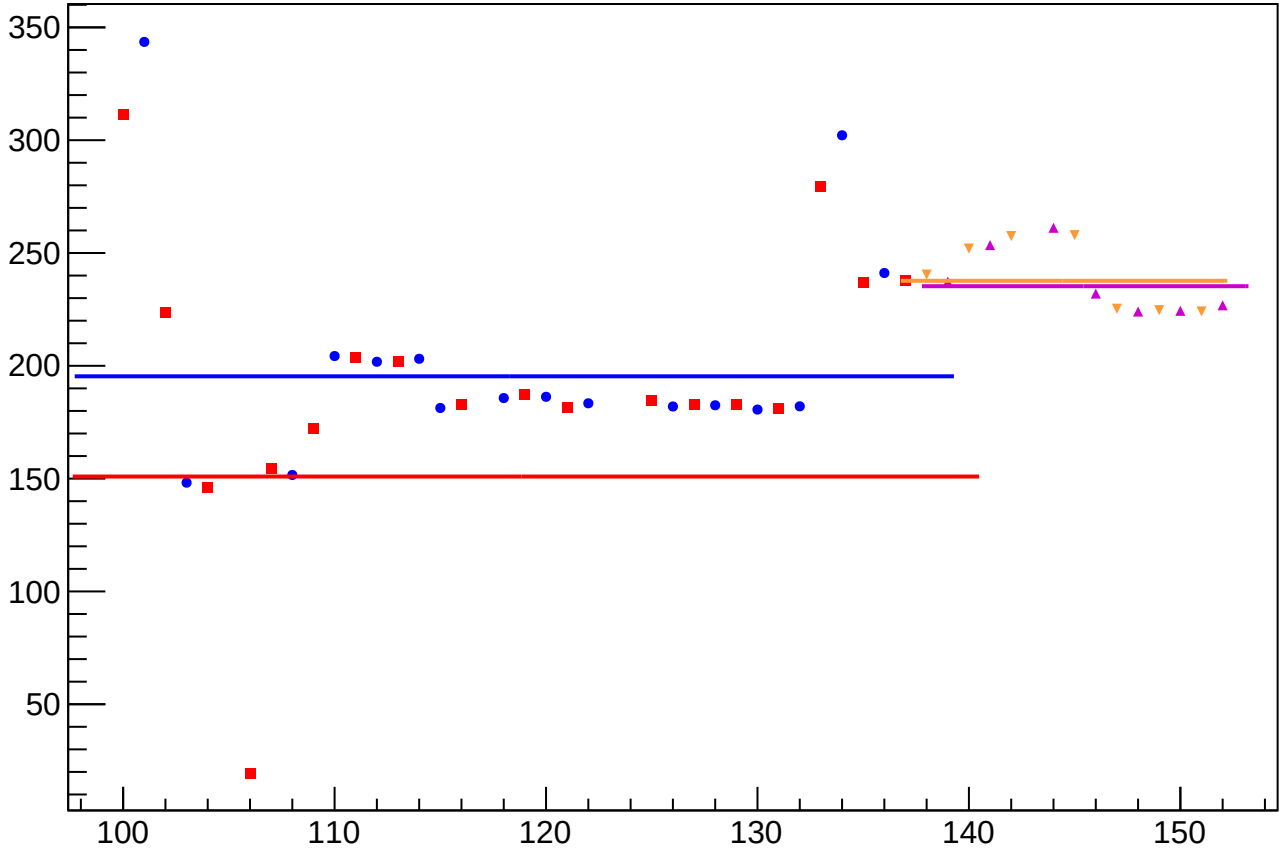
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -106.273+/-1.593 χ^2/NDF:500.7/22

Out: -101.131+/-1.551 χ^2/NDF:731.9/24

All: -103.633+/-1.111 χ^2/NDF: 1237.9/47

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: 235.284+/-0.114 χ^2/NDF:13162.4/6

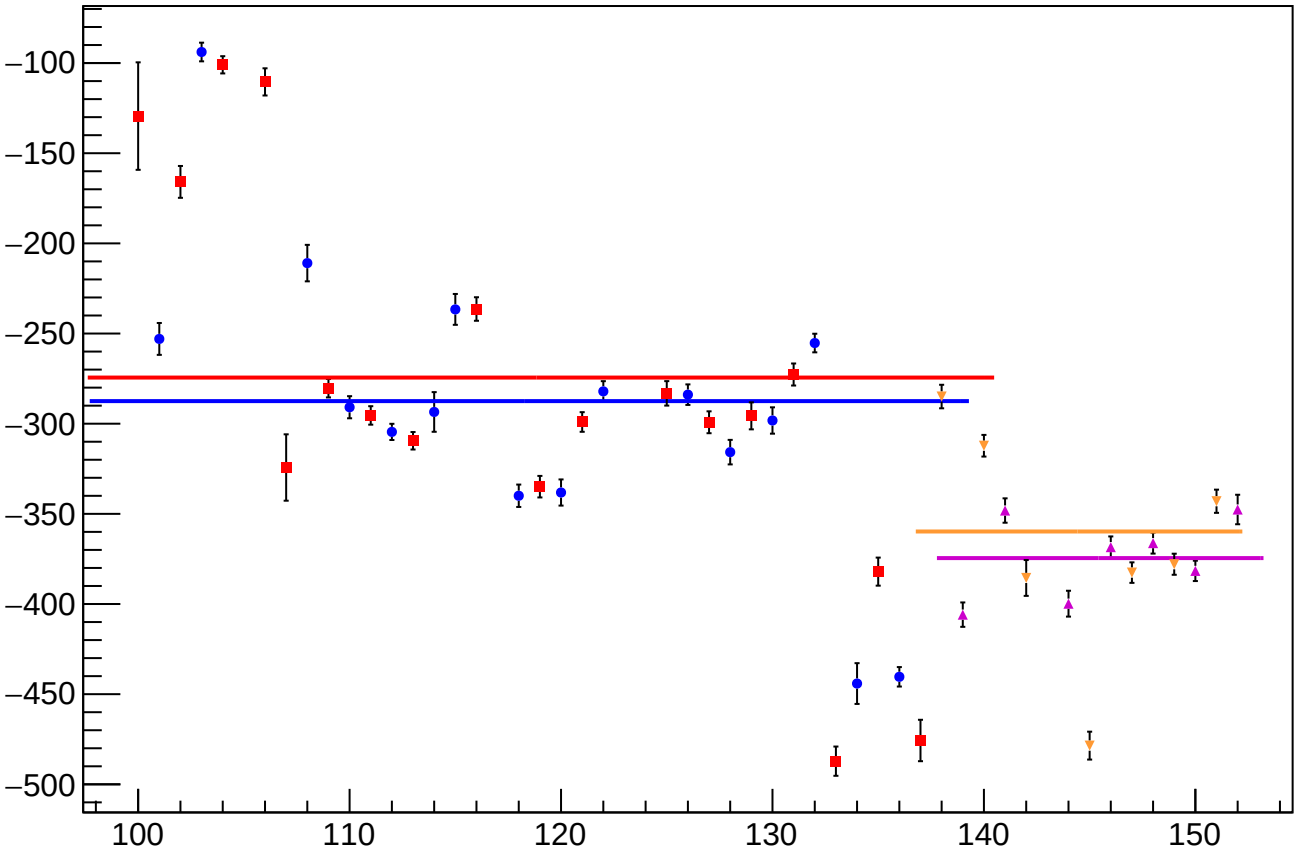
Left: 236.423+/-0.082 χ^2/NDF: 27411.3/13

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 217.172+/-0.084 χ^2/NDF:246237.5/22

Out: 190.757+/-0.081 χ^2/NDF:797931.1/24

All: 203.499+/-0.058 χ^2/NDF: 1095433.1/47



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: -374.535+/-2.443 χ^2/NDF:64.7/6

Left: -367.273+/-1.741 χ^2/NDF: 551.8/13

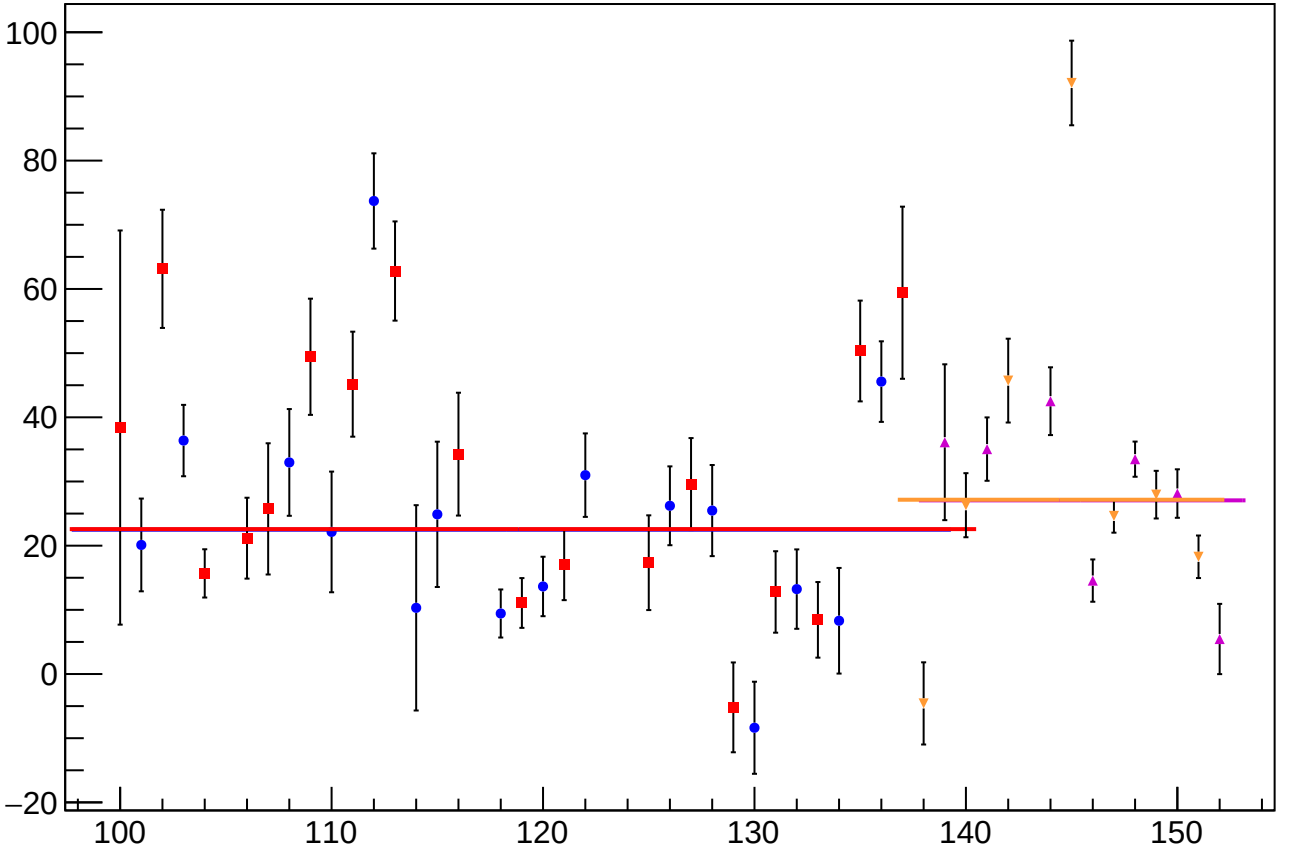
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -313.860+/-1.345 χ^2/NDF:3646.0/22

Out: -298.404+/-1.315 χ^2/NDF:4733.4/24

All: -305.960+/-0.940 χ^2/NDF: 8446.9/47

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 27.158+/-1.541 χ^2/NDF:137.9/6

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 27.060+/-1.557 χ^2/NDF:47.3/6

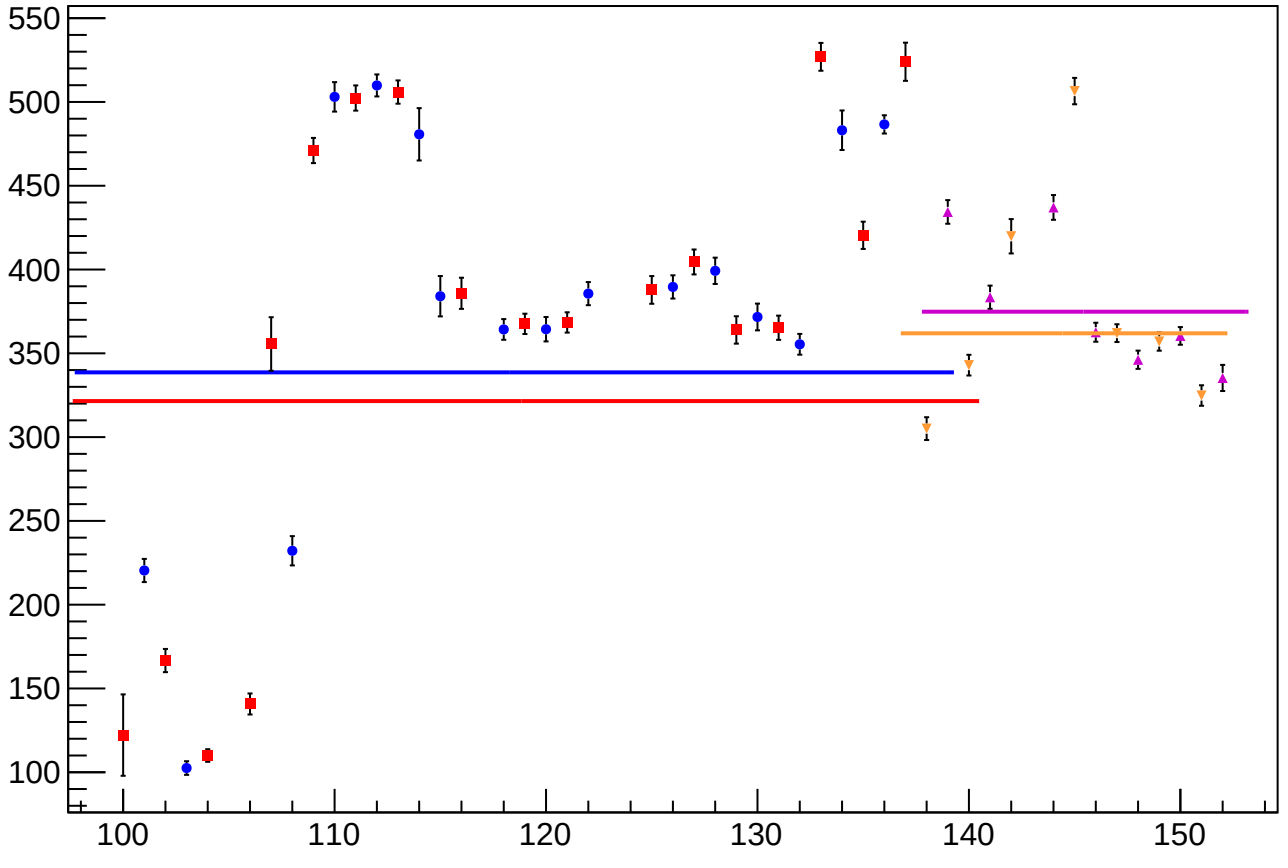
Left: 27.110+/-1.095 χ^2/NDF: 185.2/13

Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 24.867+/-1.123 χ^2/NDF:162.8/22

Out: 24.911+/-1.100 χ^2/NDF:265.6/24

All: 24.890+/-0.786 χ^2/NDF: 428.4/47



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: 374.831+/-2.380 χ^2/NDF:209.4/6

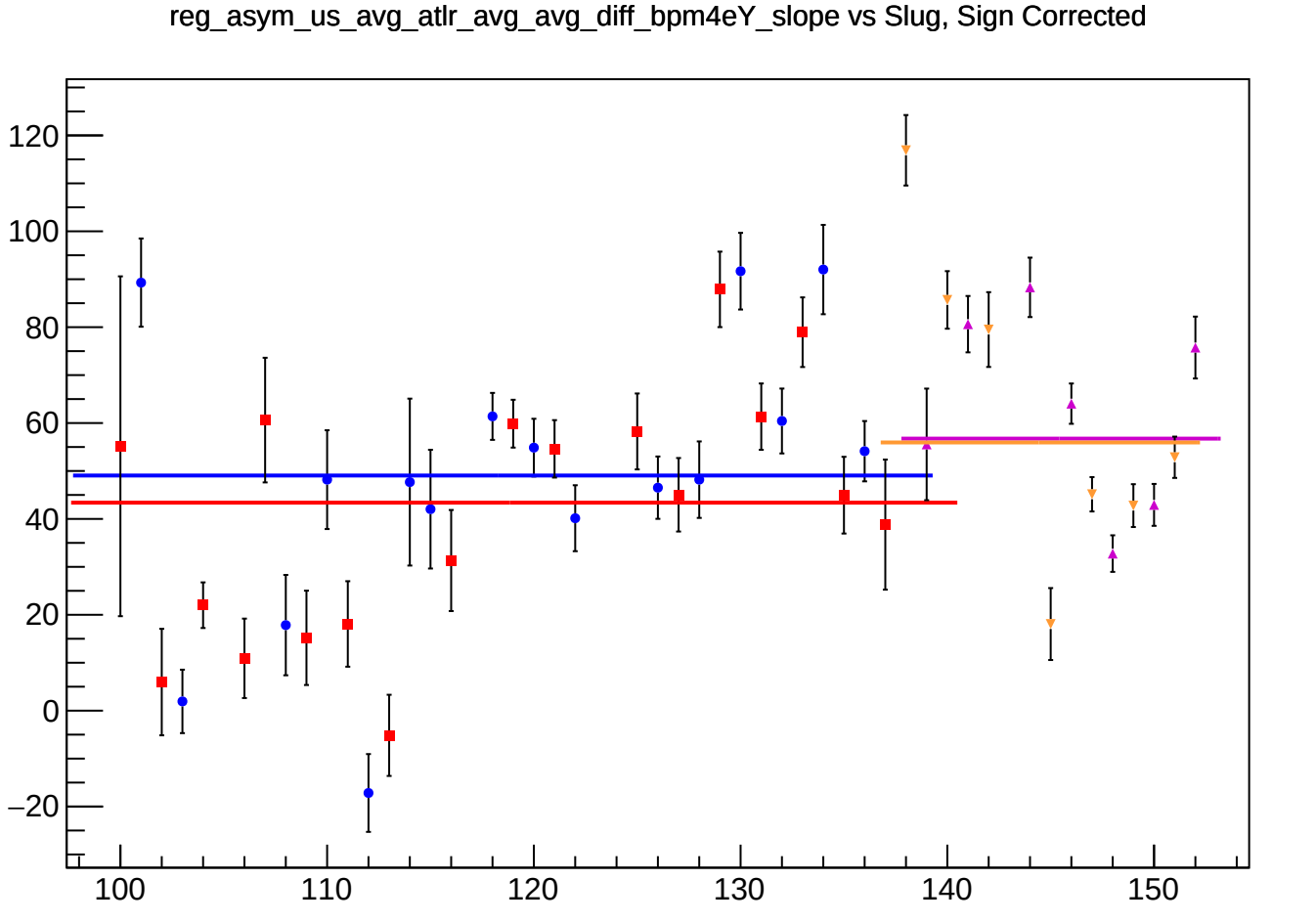
Left: 368.521+/-1.701 χ^2/NDF: 709.5/13

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 351.317+/-1.409 χ^2/NDF:6402.3/22

Out: 334.725+/-1.390 χ^2/NDF:8392.8/24

All: 342.907+/-0.989 χ^2/NDF: 14865.4/47



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: 56.749+/-1.946 χ^2/NDF:103.6/6

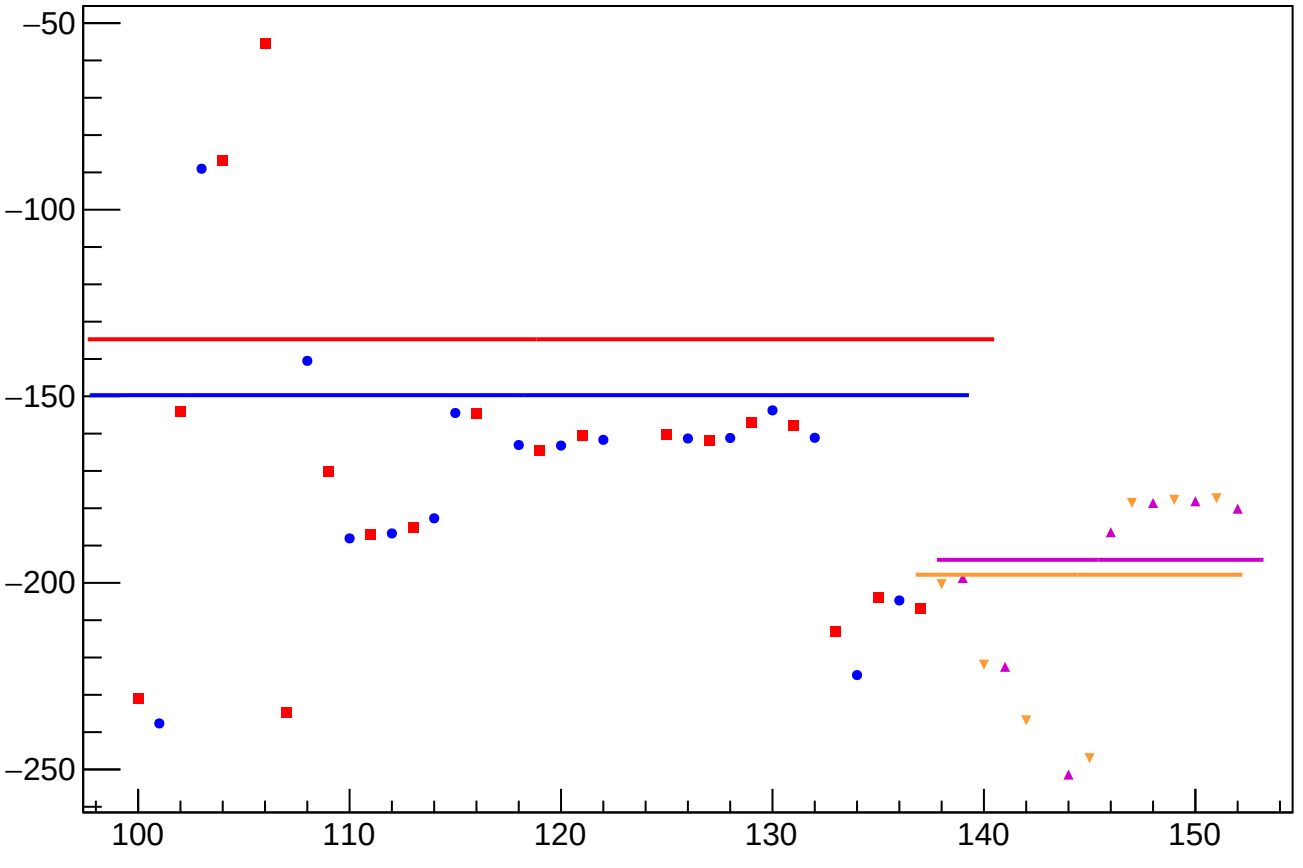
Left: 56.352+/-1.379 χ^2/NDF: 249.9/13

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 52.773+/-1.353 χ^2/NDF:319.6/22

Out: 49.278+/-1.337 χ^2/NDF:348.2/24

All: 51.004+/-0.951 χ^2/NDF: 671.2/47



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: -193.814+/-0.096 χ^2/NDF:54161.2/6

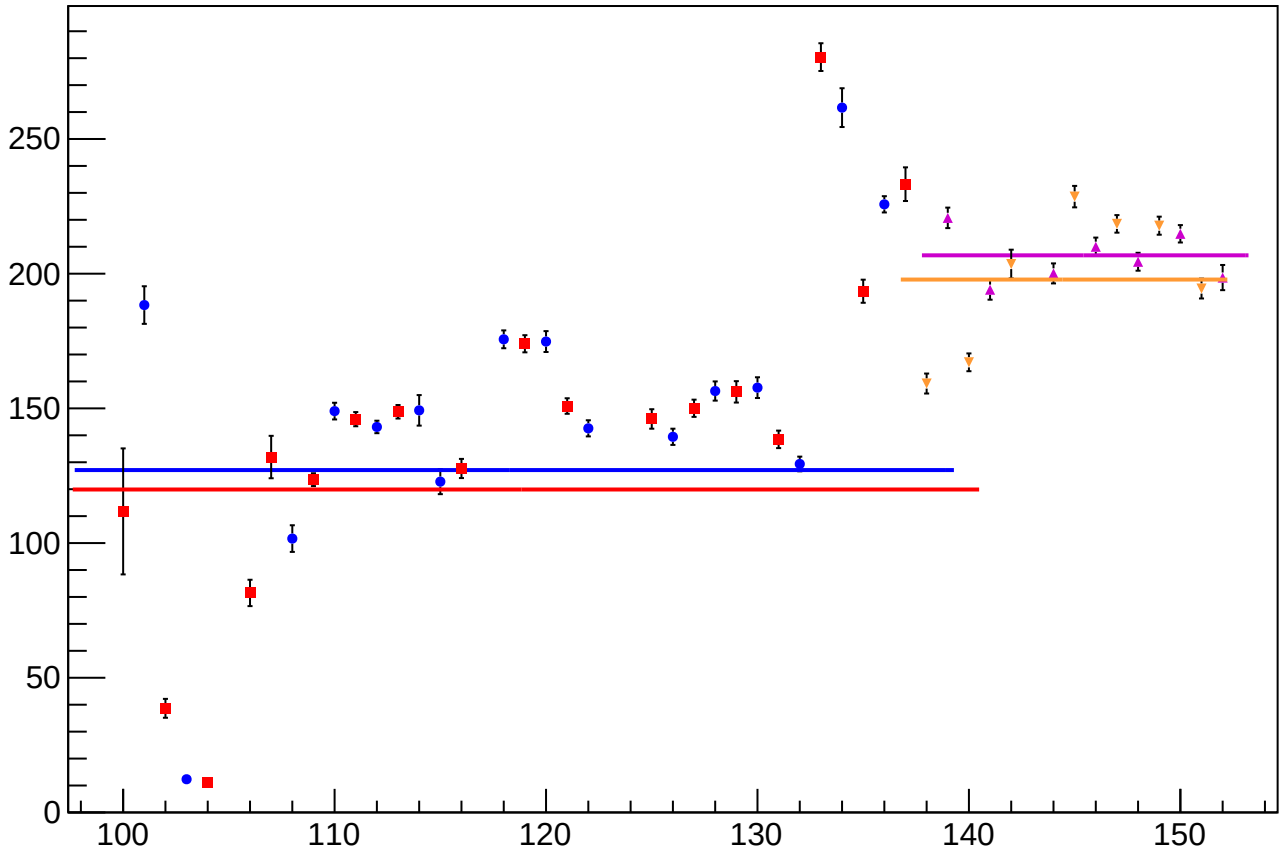
Left: -195.687+/-0.070 χ^2/NDF: 117585.4/13

Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -172.921+/-0.069 χ^2/NDF:411423.9/22

Out: -164.726+/-0.070 χ^2/NDF:576514.2/24

All: -168.874+/-0.049 χ^2/NDF: 994829.4/47



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: 206.815+/-1.370 χ^2/NDF:39.1/6

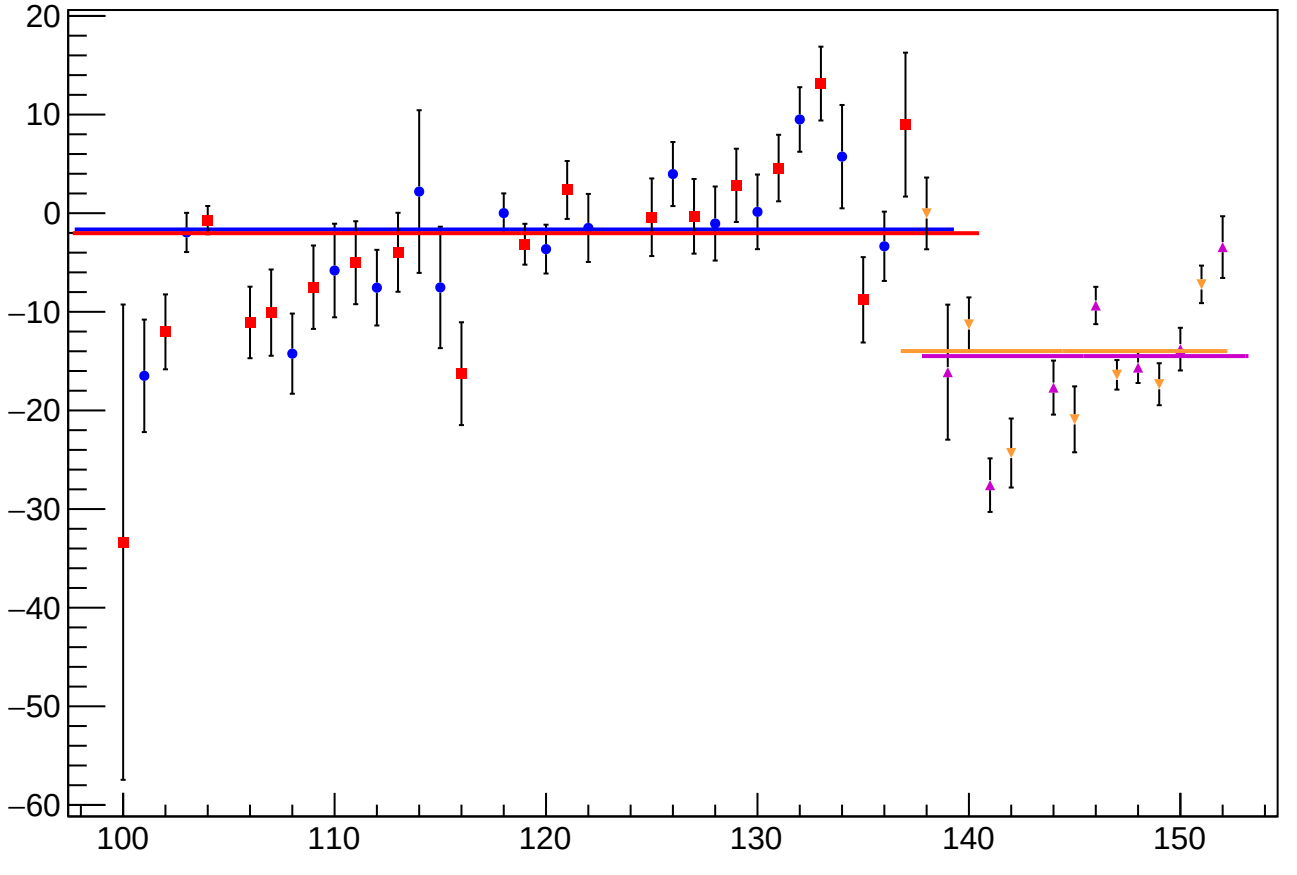
Left: 202.376+/-0.975 χ^2/NDF: 392.8/13

Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 147.781+/-0.698 χ^2/NDF:8709.9/22

Out: 138.392+/-0.676 χ^2/NDF:9388.2/24

All: 142.938+/-0.486 χ^2/NDF: 18191.5/47



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: -14.488+/-0.879 χ^2/NDF:45.1/6

Left: -14.231+/-0.618 χ^2/NDF: 91.7/13

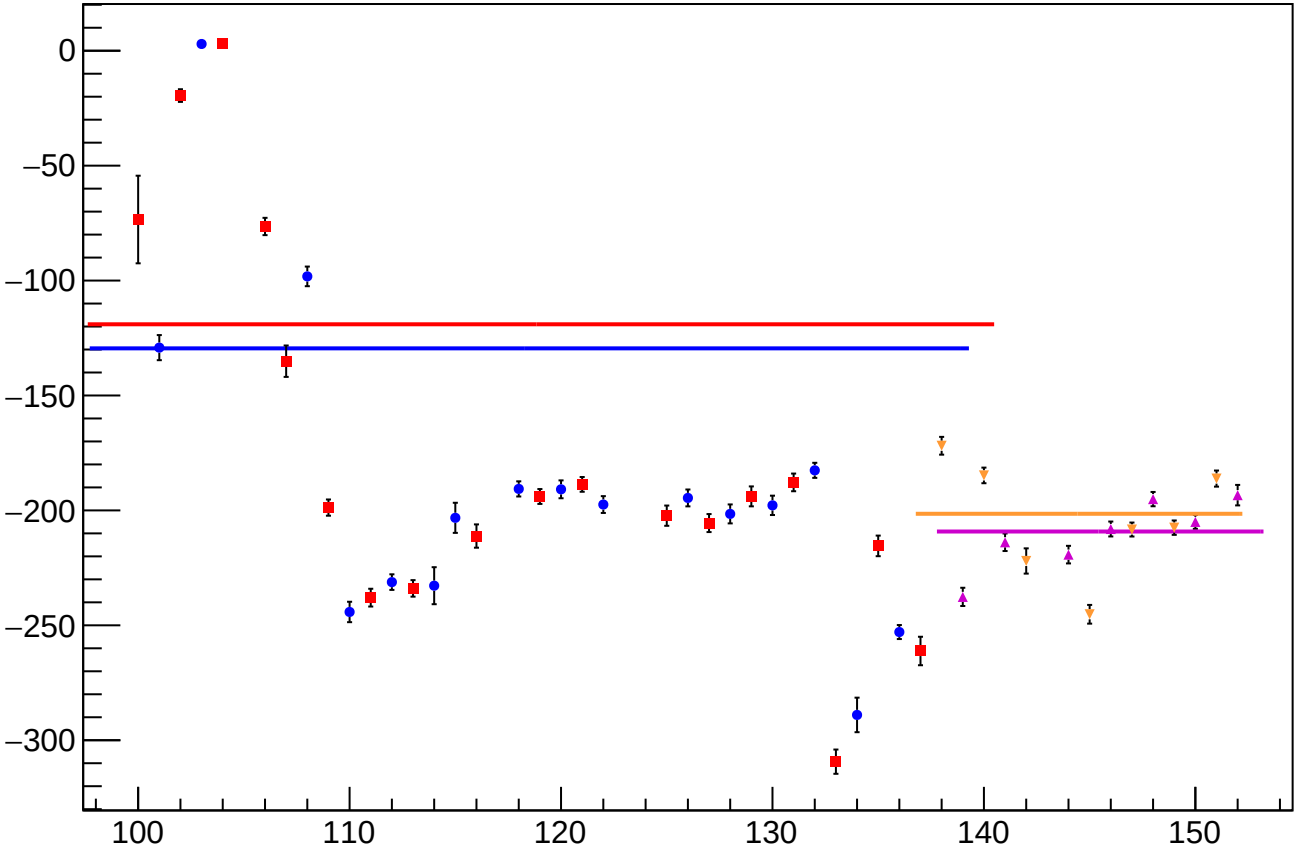
Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -7.723+/-0.605 χ^2/NDF:196.6/22

Out: -7.282+/-0.577 χ^2/NDF:210.9/24

All: -7.492+/-0.417 χ^2/NDF: 407.8/47

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.472+/-1.362 χ^2/NDF:239.8/6

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -209.185+/-1.337 χ^2/NDF:95.1/6

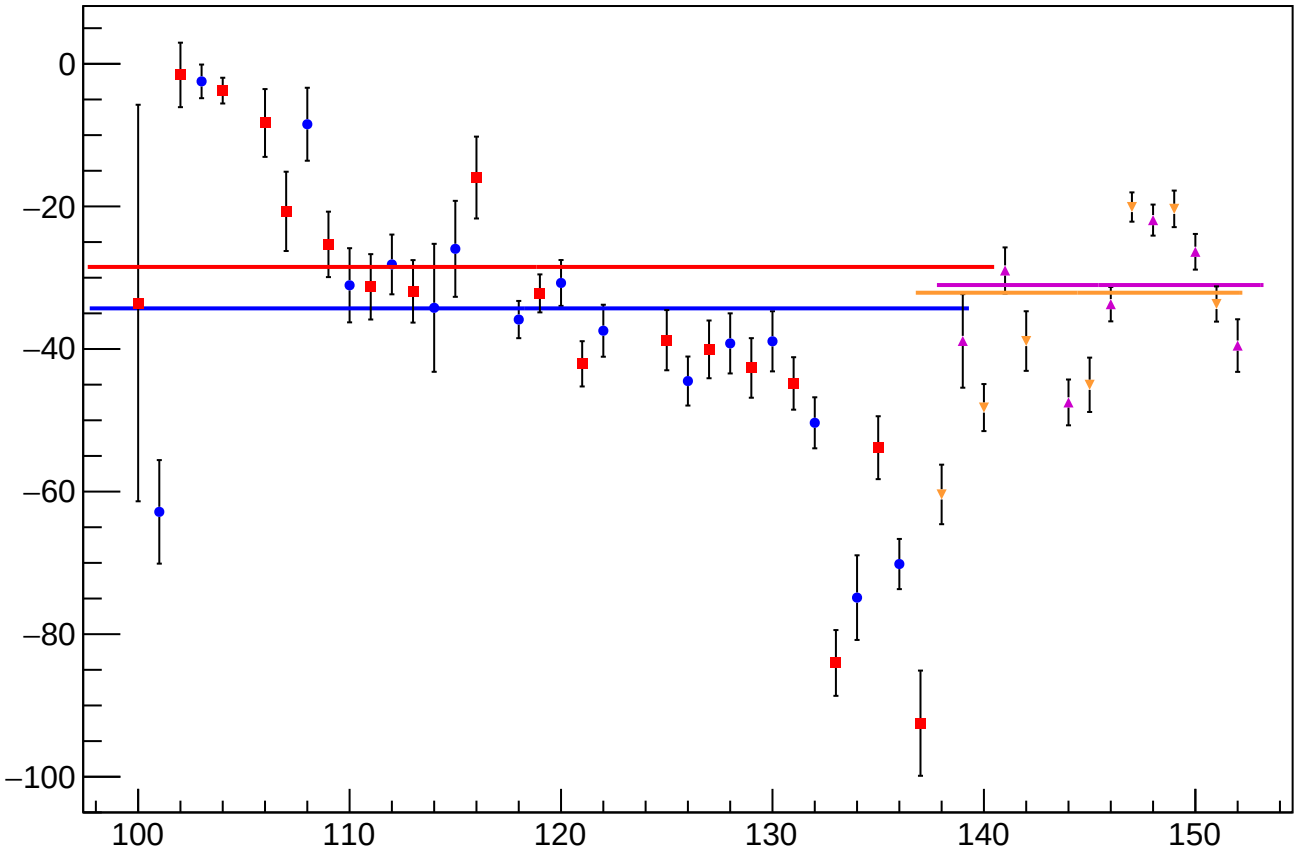
Left: -205.400+/-0.954 χ^2/NDF: 351.2/13

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -152.288+/-0.715 χ^2/NDF:17318.2/22

Out: -140.665+/-0.698 χ^2/NDF:19118.2/24

All: -146.335+/-0.500 χ^2/NDF: 36571.6/47



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: -31.027+/-1.096 χ^2/NDF:55.6/6

Left: -31.565+/-0.776 χ^2/NDF: 195.6/13

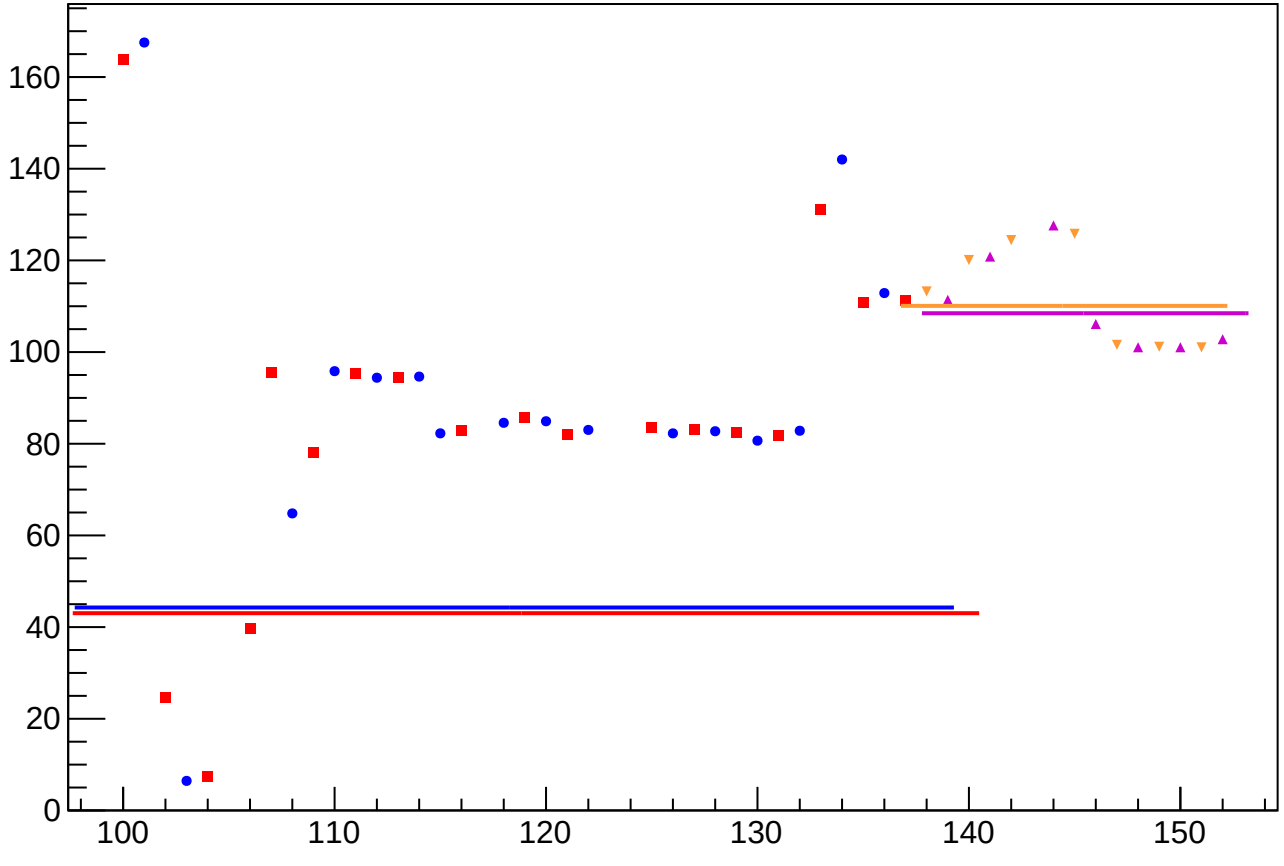
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -32.867+/-0.726 χ^2/NDF:471.9/22

Out: -29.953+/-0.699 χ^2/NDF:714.1/24

All: -31.357+/-0.504 χ^2/NDF: 1194.3/47

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: 108.472+/-0.054 χ^2/NDF:27853.0/6

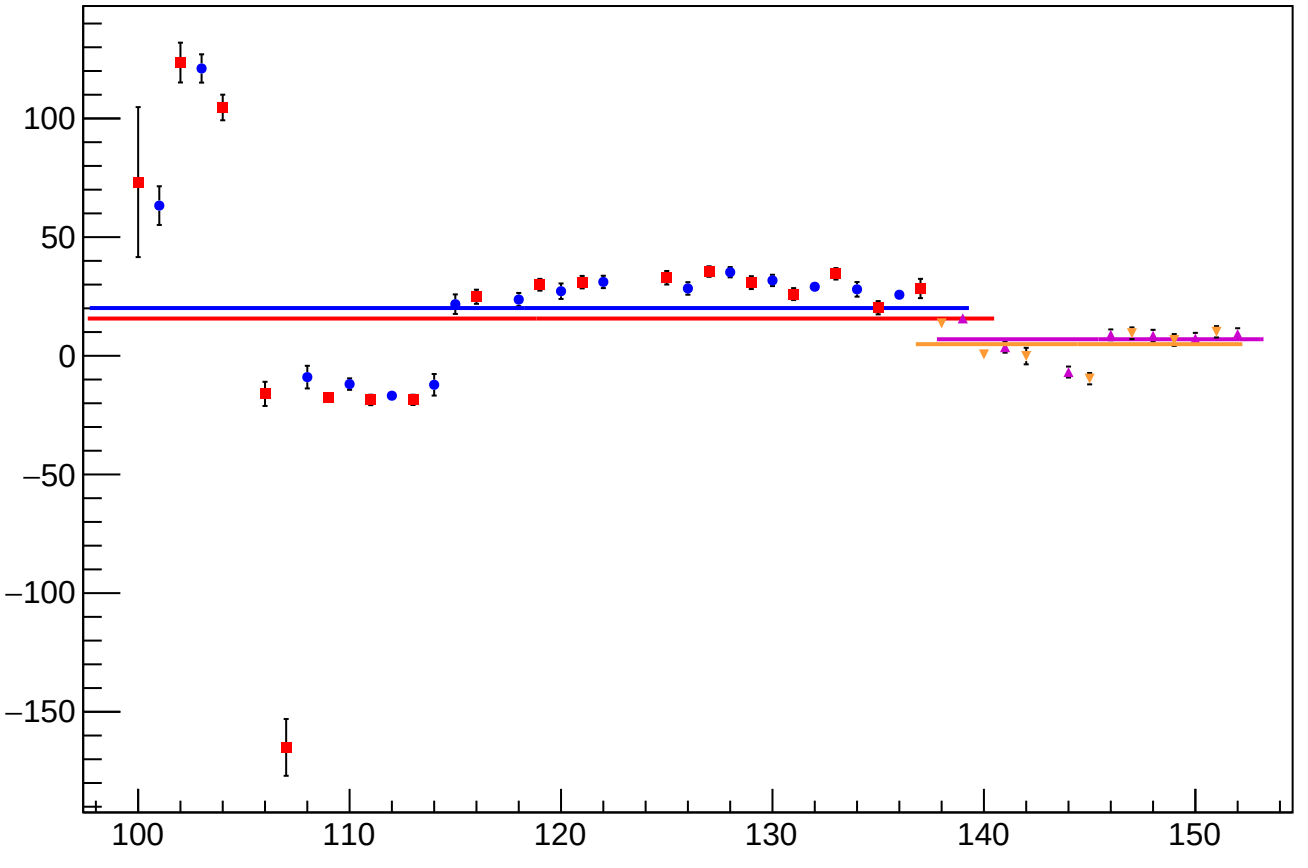
Left: 109.229+/-0.039 χ^2/NDF: 59379.7/13

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 70.643+/-0.034 χ^2/NDF:1951078.5/22

Out: 68.774+/-0.035 χ^2/NDF:1687056.5/24

All: 69.731+/-0.025 χ^2/NDF: 3639567.0/47



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: 6.974+/-0.873 χ^2/NDF:58.9/6

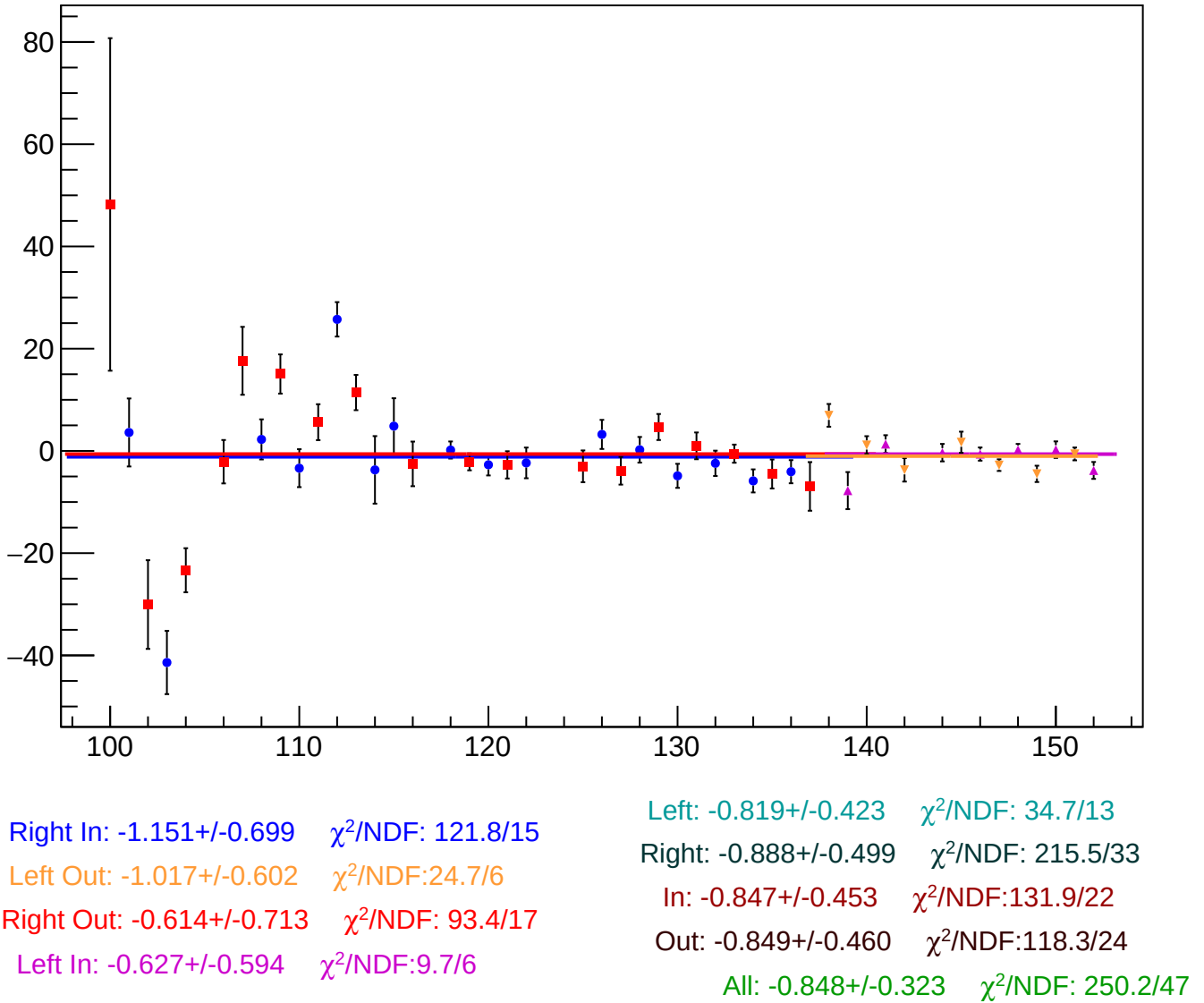
Left: 5.976+/-0.629 χ^2/NDF: 131.0/13

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

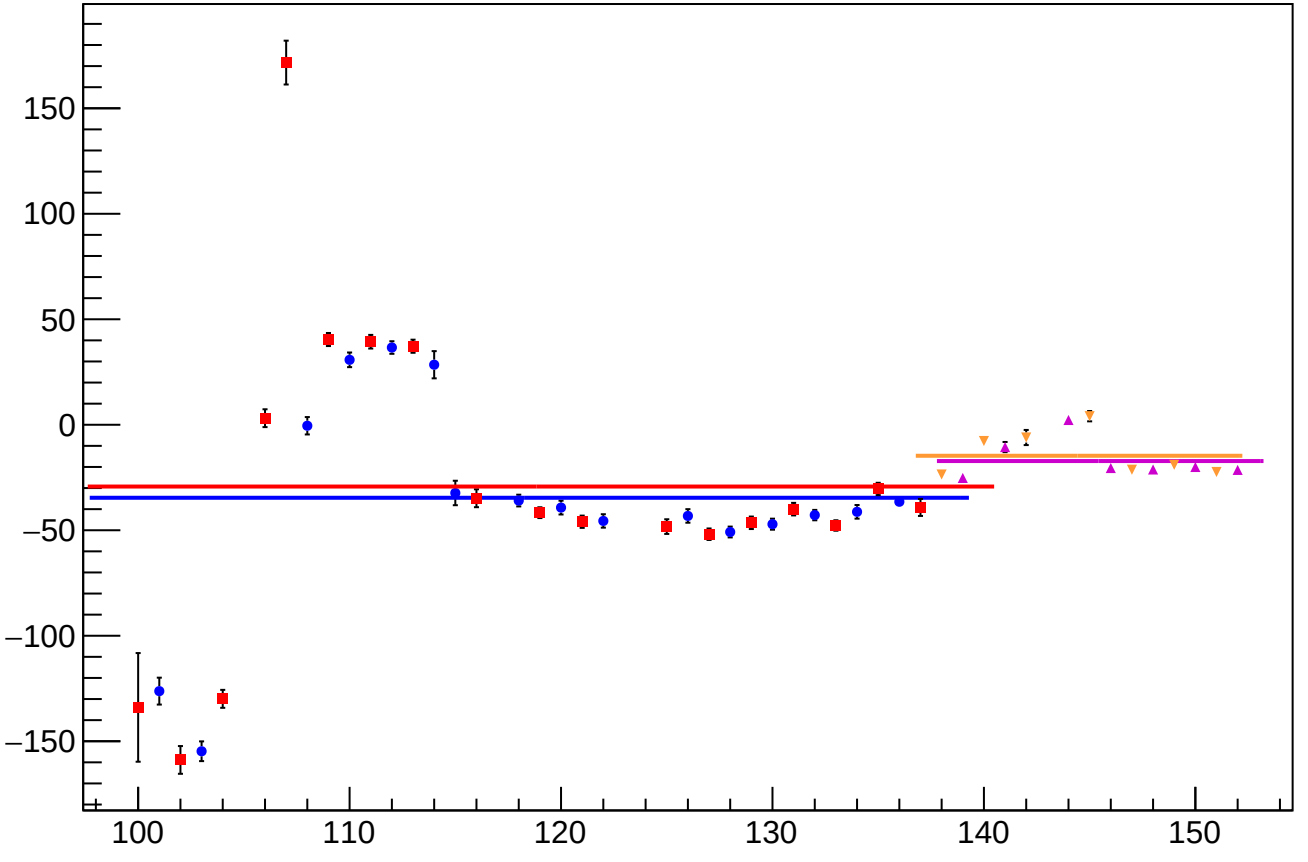
In: 15.090+/-0.540 χ^2/NDF:1247.0/22

Out: 11.797+/-0.545 χ^2/NDF:1933.8/24

All: 13.460+/-0.384 χ^2/NDF: 3199.2/47


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
100
110
120
130
140
150
Right In: -1.151+/-0.699 χ²/NDF: 121.8/15
Left Out: -1.017+/-0.602 χ²/NDF:24.7/6
Right Out: -0.614+/-0.713 χ²/NDF: 93.4/17
Left In: -0.627+/-0.594 χ²/NDF:9.7/6
Left: -0.819+/-0.423 χ²/NDF: 34.7/13
Right: -0.888+/-0.499 χ²/NDF: 215.5/33
In: -0.847+/-0.453 χ²/NDF:131.9/22
Out: -0.849+/-0.460 χ²/NDF:118.3/24
All: -0.848+/-0.323 χ²/NDF: 250.2/47

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: -17.199+/-0.859 χ^2/NDF:99.4/6

Left: -16.002+/-0.621 χ^2/NDF: 218.4/13

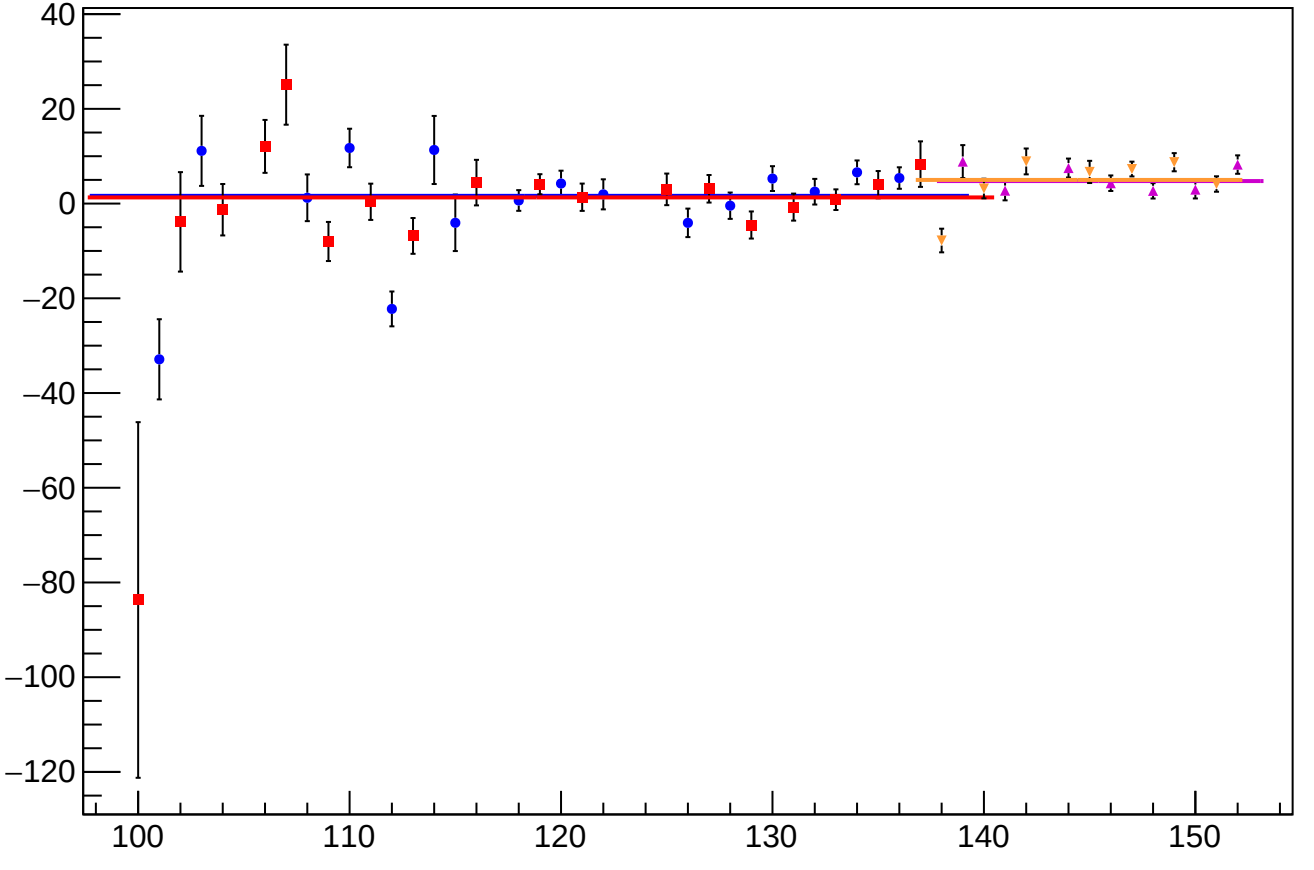
Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -26.670+/-0.580 χ^2/NDF:2381.0/22

Out: -22.833+/-0.598 χ^2/NDF:3342.9/24

All: -24.808+/-0.416 χ^2/NDF: 5745.2/47

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.990+/-0.752 χ^2/NDF:35.9/6

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.753+/-0.731 χ^2/NDF:10.1/6

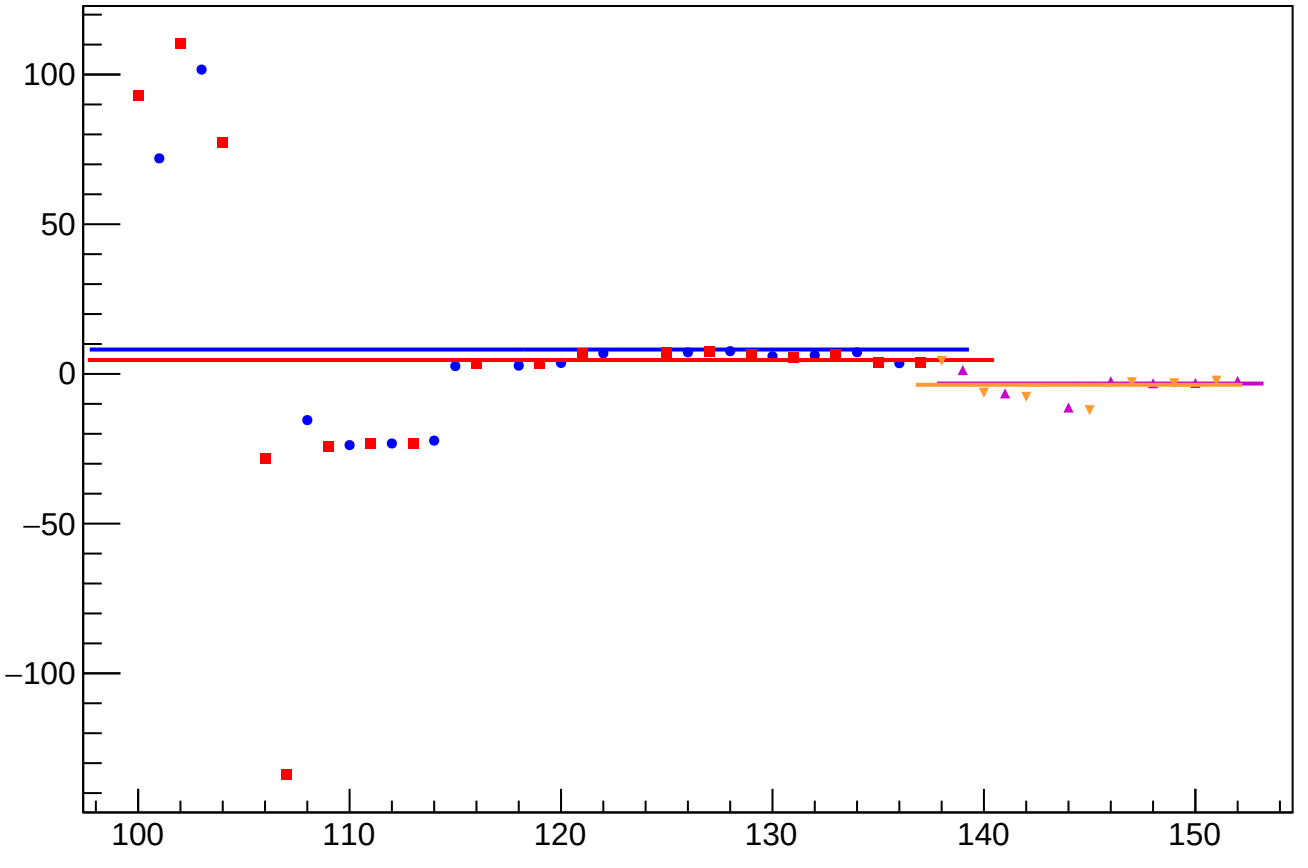
Left: 4.868+/-0.524 χ^2/NDF: 46.0/13

Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.326+/-0.539 χ^2/NDF:101.7/22

Out: 3.296+/-0.553 χ^2/NDF:84.4/24

All: 3.311+/-0.386 χ^2/NDF: 186.2/47



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: -3.210+/-0.034 χ^2/NDF:10643.5/6

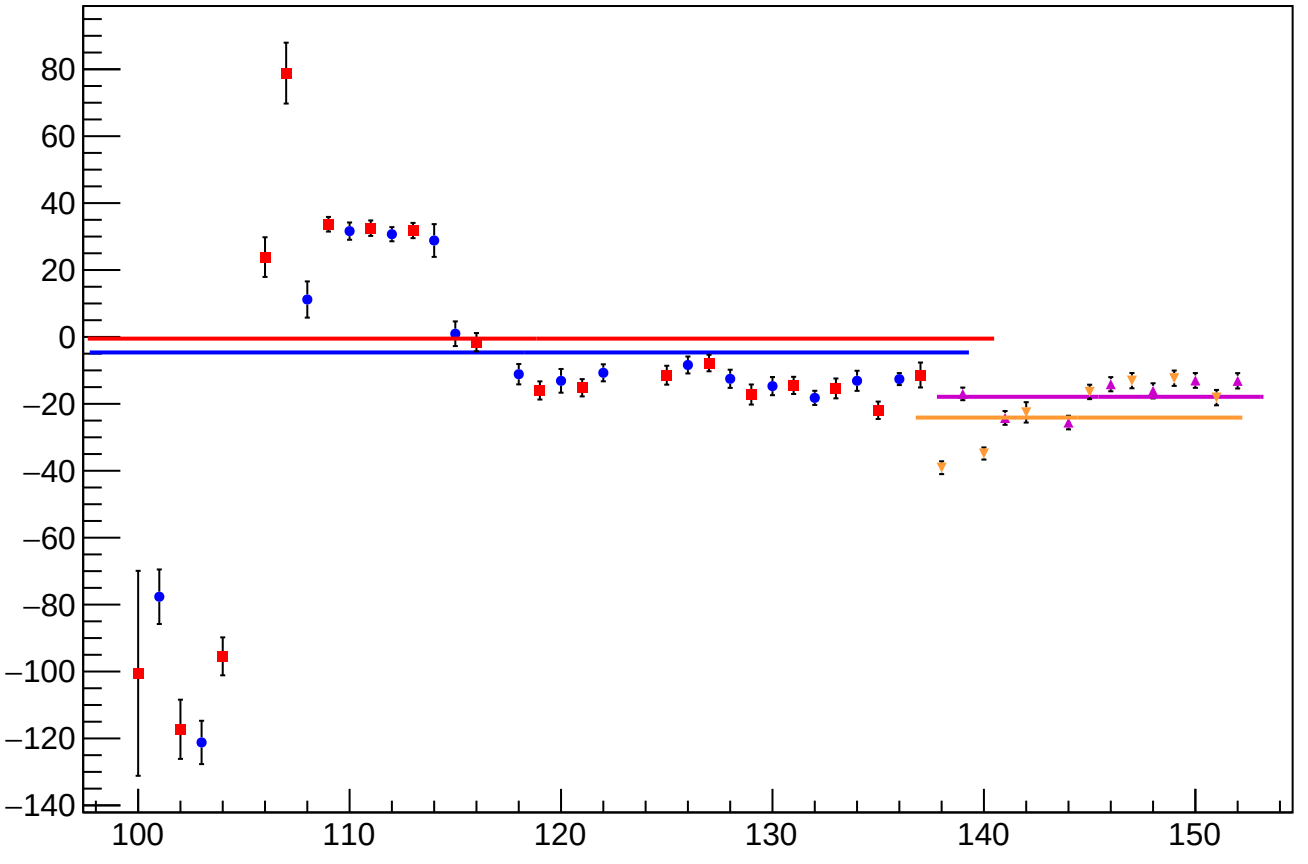
Left: -3.405+/-0.025 χ^2/NDF: 29017.0/13

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 0.553+/-0.028 χ^2/NDF:360844.4/22

Out: -0.829+/-0.030 χ^2/NDF:482038.9/24

All: -0.084+/-0.020 χ^2/NDF: 844019.3/47



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -24.104+/-0.826 χ^2/NDF:165.0/6

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -17.895+/-0.799 χ^2/NDF:36.8/6

Left: -20.899+/-0.574 χ^2/NDF: 231.0/13

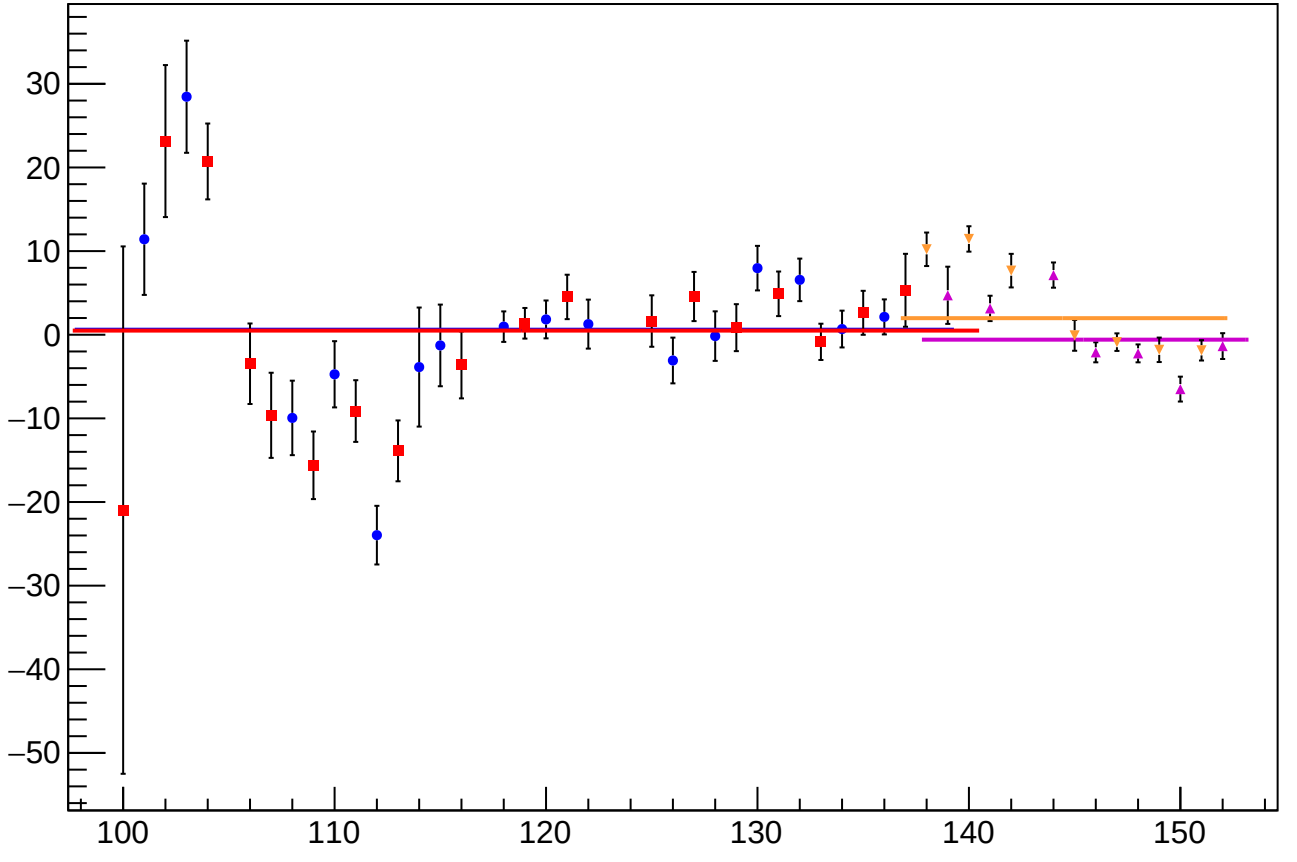
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -10.500+/-0.531 χ^2/NDF:1236.5/22

Out: -10.552+/-0.539 χ^2/NDF:2092.0/24

All: -10.526+/-0.378 χ^2/NDF: 3328.5/47

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: -0.588+/-0.542 χ^2/NDF:54.7/6

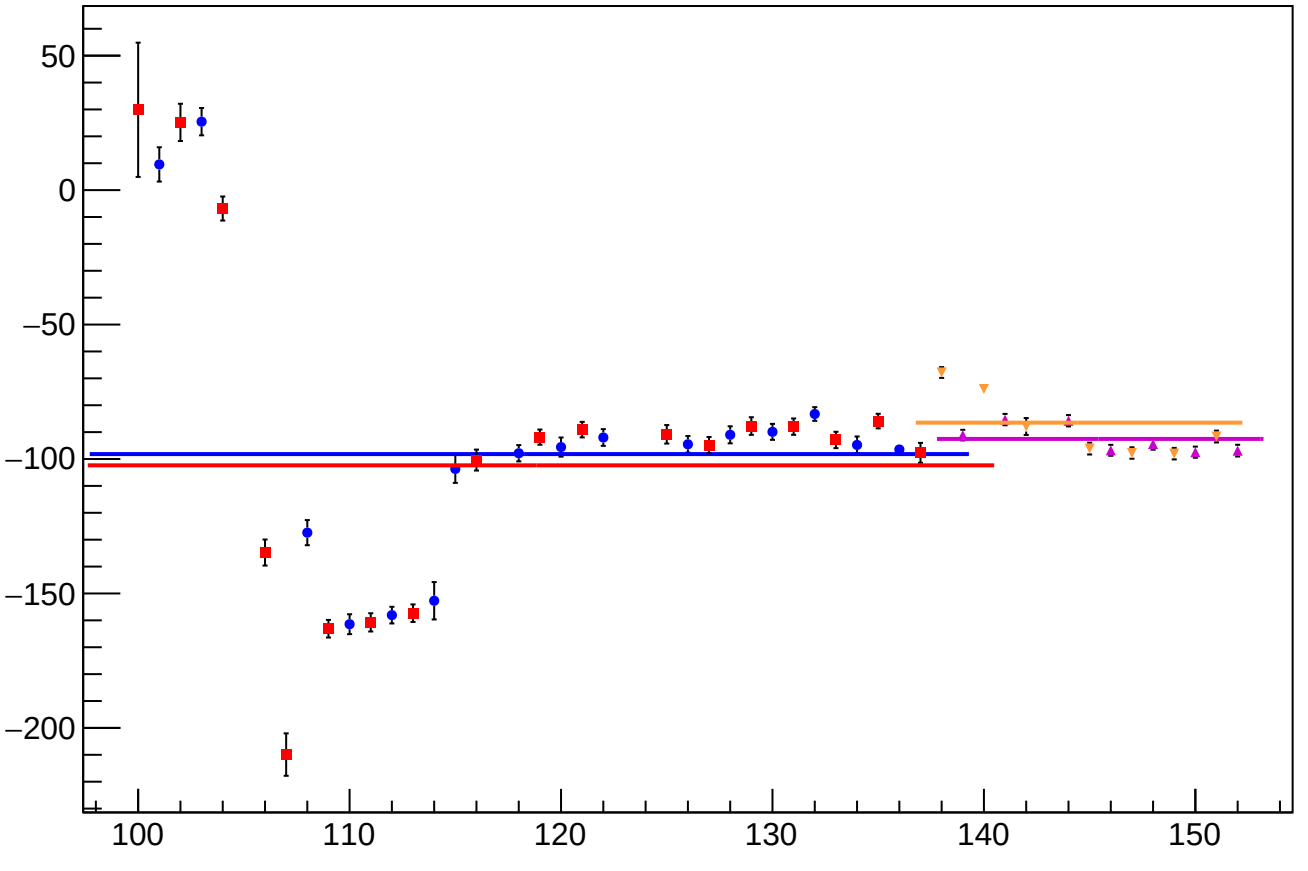
Left: 0.672+/-0.387 χ^2/NDF: 154.9/13

Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: -0.163+/-0.435 χ^2/NDF:149.3/22

Out: 1.463+/-0.446 χ^2/NDF:171.9/24

All: 0.630+/-0.311 χ^2/NDF: 328.0/47



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: -92.527+/-0.787 χ^2/NDF:37.2/6

Left: -89.625+/-0.568 χ^2/NDF: 278.6/13

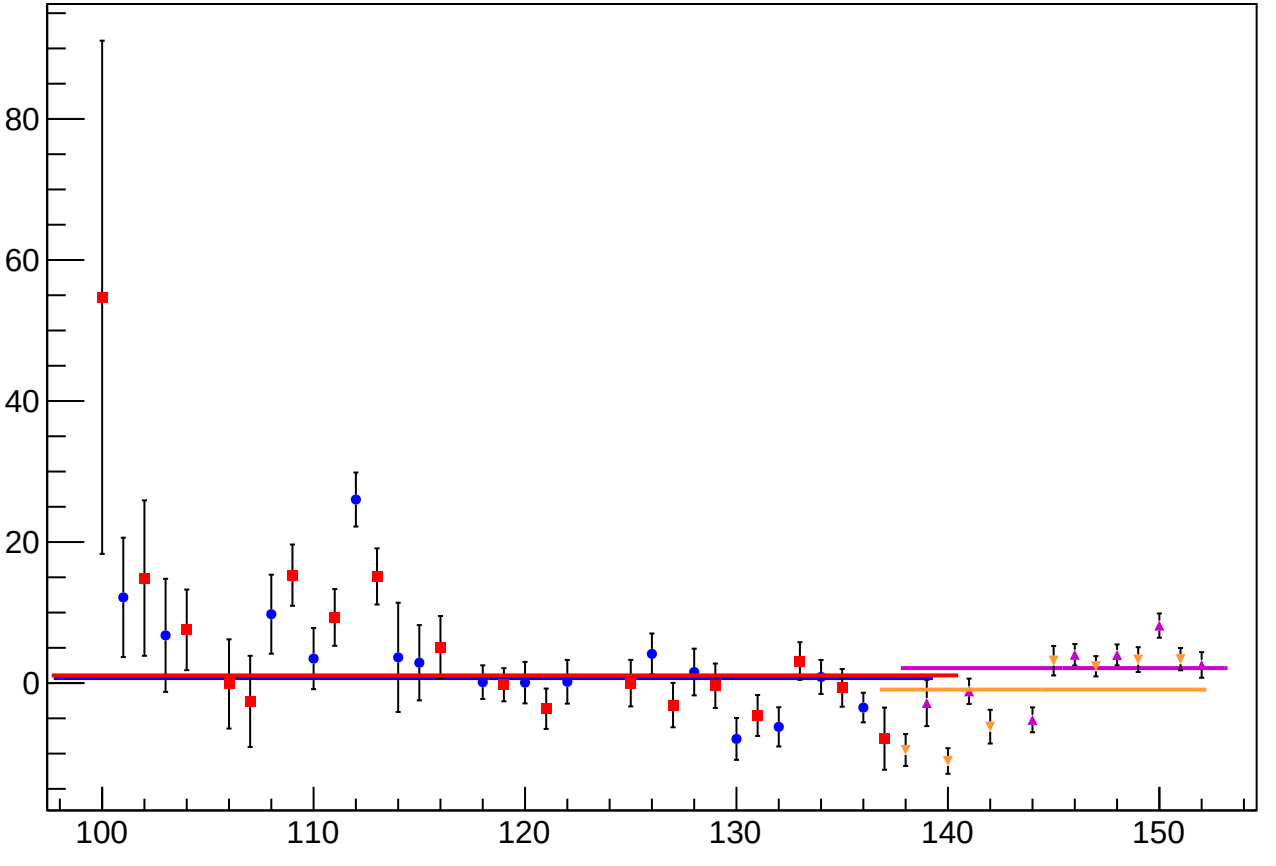
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -95.258+/-0.565 χ^2/NDF:1762.0/22

Out: -94.250+/-0.586 χ^2/NDF:2514.1/24

All: -94.771+/-0.407 χ^2/NDF: 4277.7/47

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: 2.125+/-0.667 χ^2/NDF:38.4/6

Left: 0.645+/-0.479 χ^2/NDF: 121.2/13

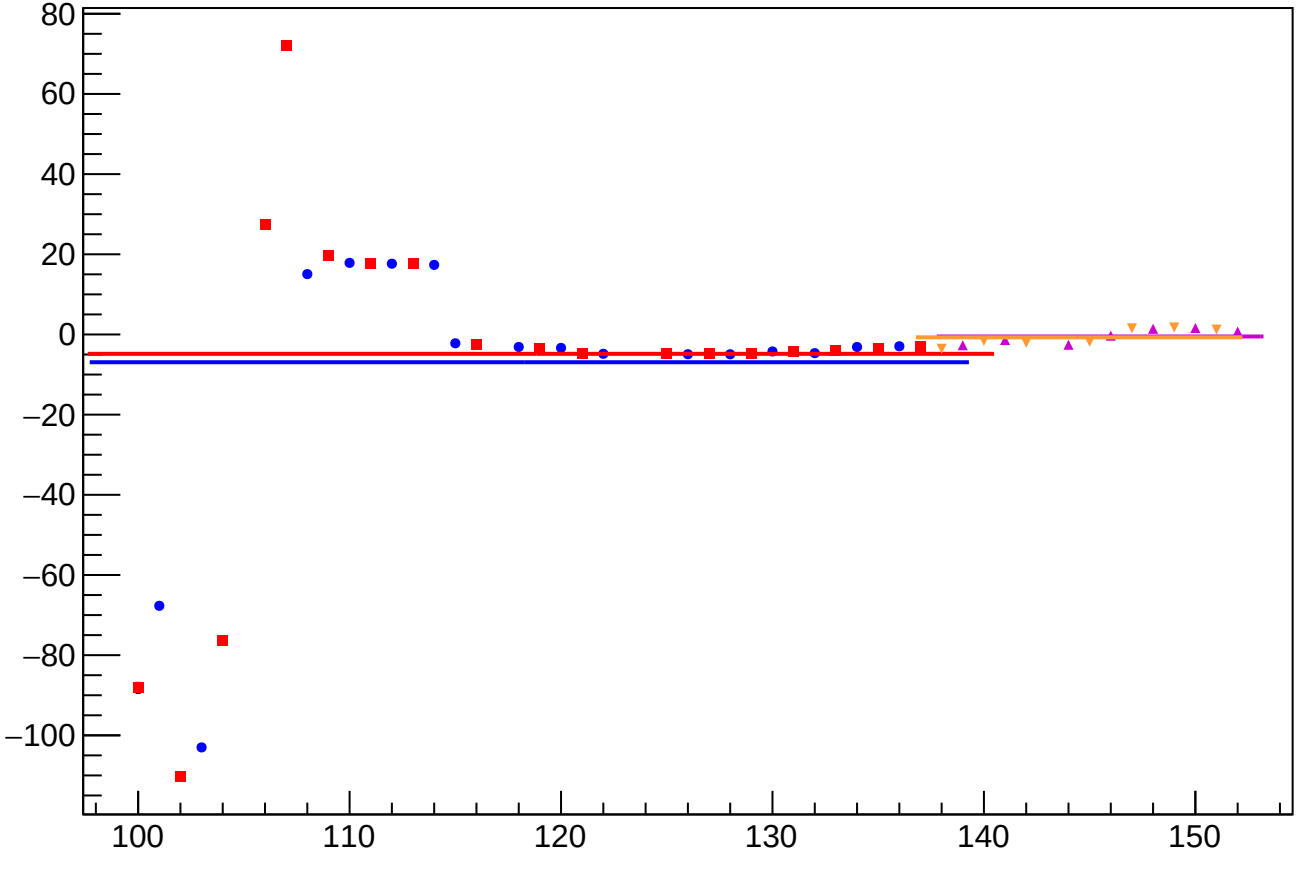
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 1.562+/-0.518 χ^2/NDF:109.7/22

Out: -0.137+/-0.537 χ^2/NDF:123.7/24

All: 0.743+/-0.373 χ^2/NDF: 238.7/47

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.713+/-0.034 χ^2/NDF:3513.6/6

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.503+/-0.031 χ^2/NDF:2942.2/6

Left: -0.599+/-0.023 χ^2/NDF: 6476.5/13

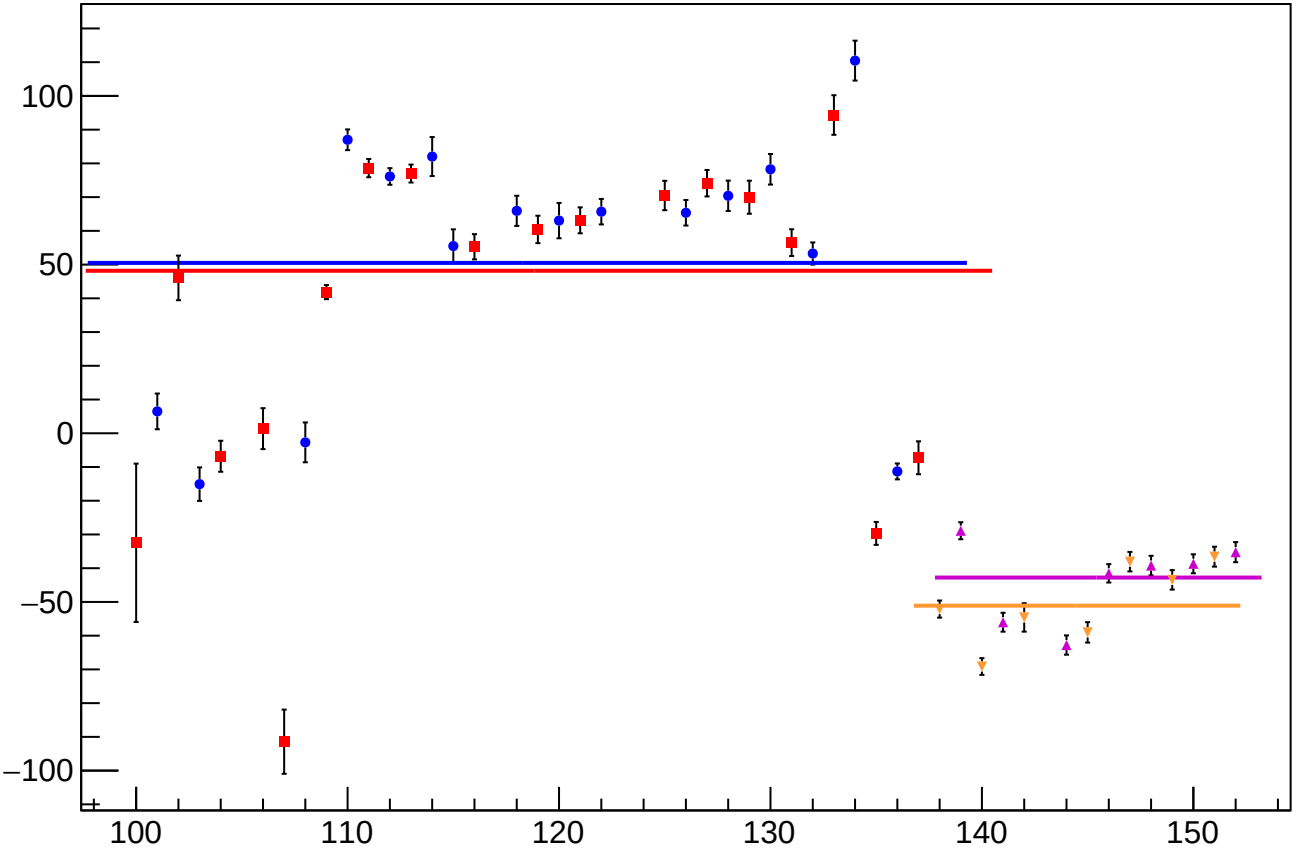
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -2.389+/-0.026 χ^2/NDF:280506.9/22

Out: -1.914+/-0.029 χ^2/NDF:347189.5/24

All: -2.171+/-0.019 χ^2/NDF: 627846.6/47

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: -42.771+/-1.054 χ^2/NDF:111.7/6

Left: -46.787+/-0.759 χ^2/NDF: 253.9/13

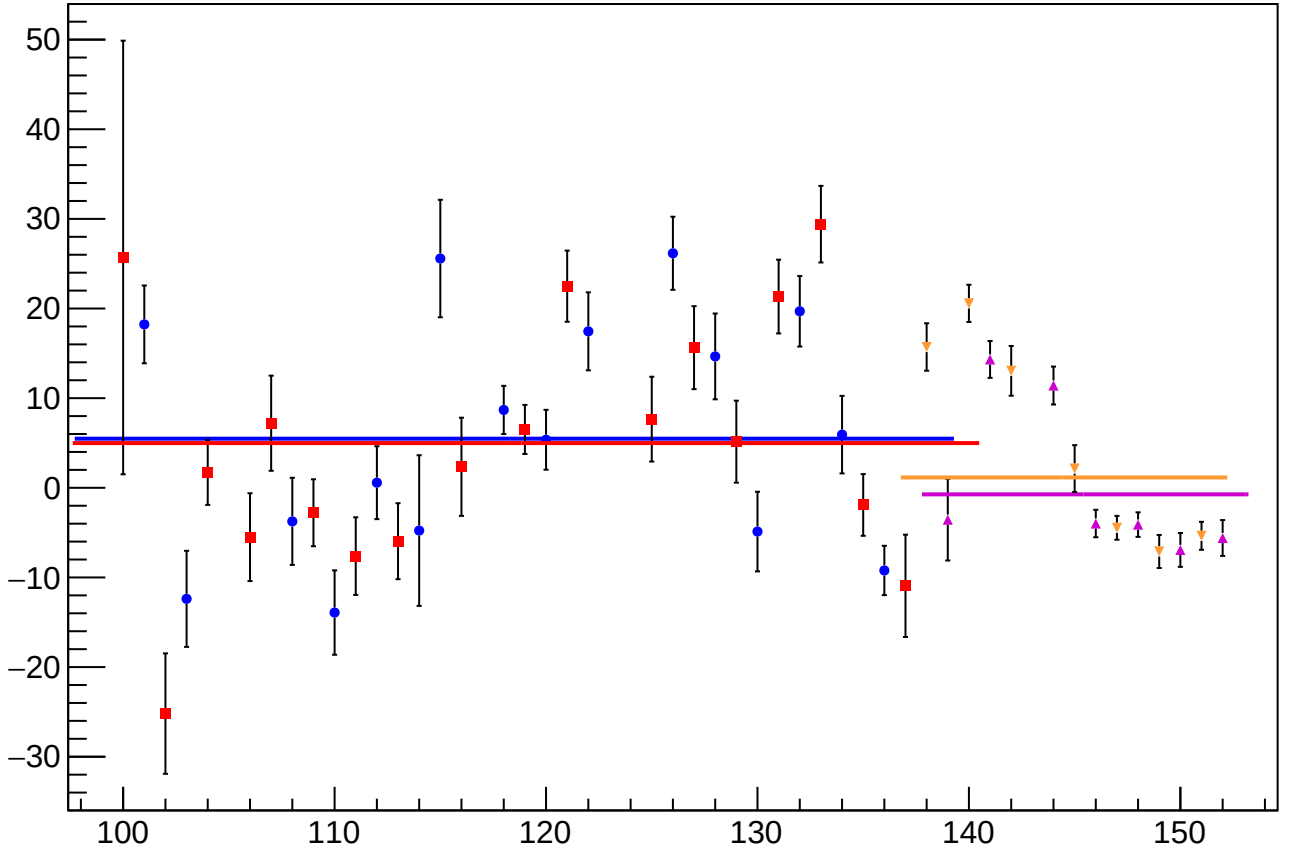
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 7.951+/-0.712 χ^2/NDF:5874.5/22

Out: 7.294+/-0.701 χ^2/NDF:6486.4/24

All: 7.617+/-0.500 χ^2/NDF: 12361.3/47

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 1.157+/-0.721 χ^2/NDF:191.8/6

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -0.731+/-0.707 χ^2/NDF:114.2/6

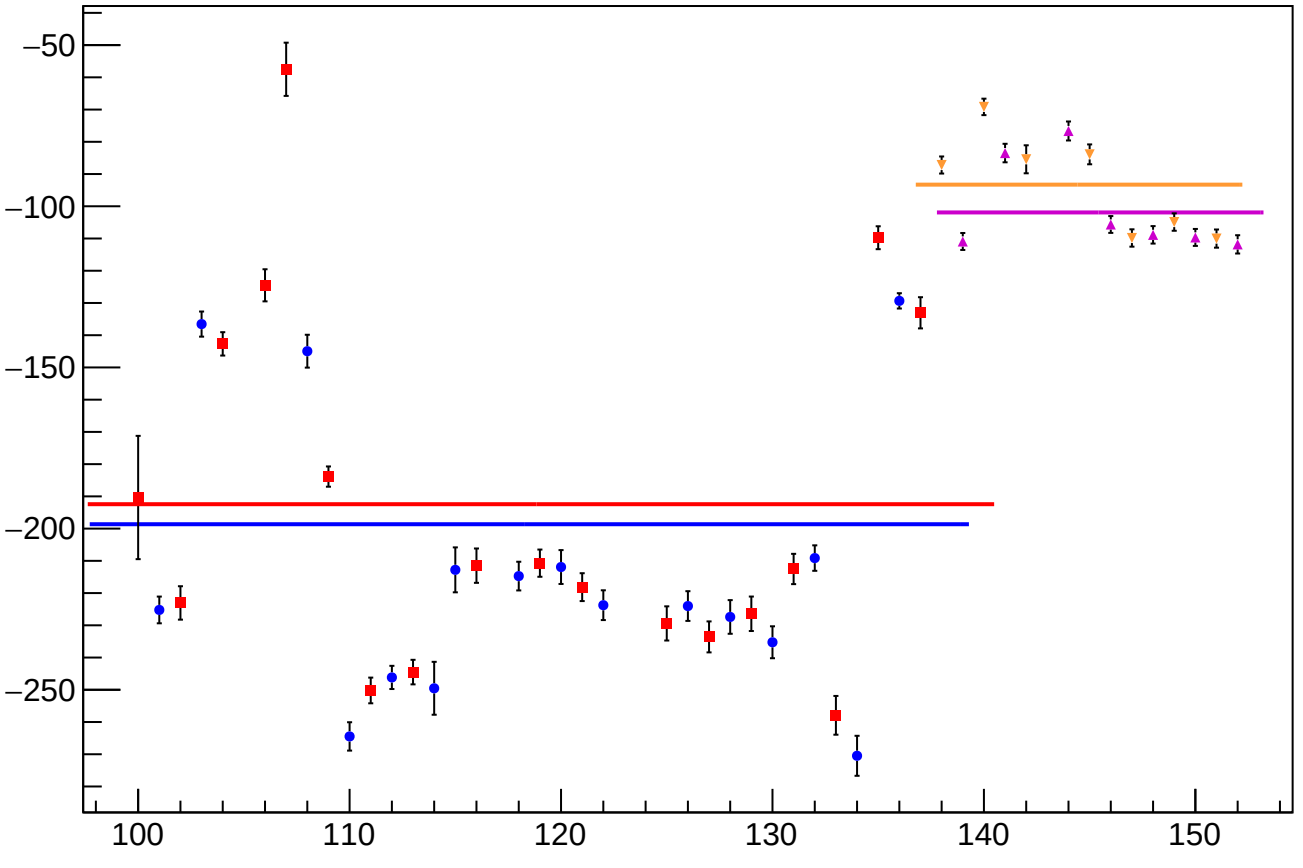
Left: 0.194+/-0.505 χ^2/NDF: 309.6/13

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 1.282+/-0.581 χ^2/NDF:277.4/22

Out: 2.431+/-0.589 χ^2/NDF:333.1/24

All: 1.849+/-0.414 χ^2/NDF: 612.4/47



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: -101.915+/-1.035 χ^2/NDF:156.0/6

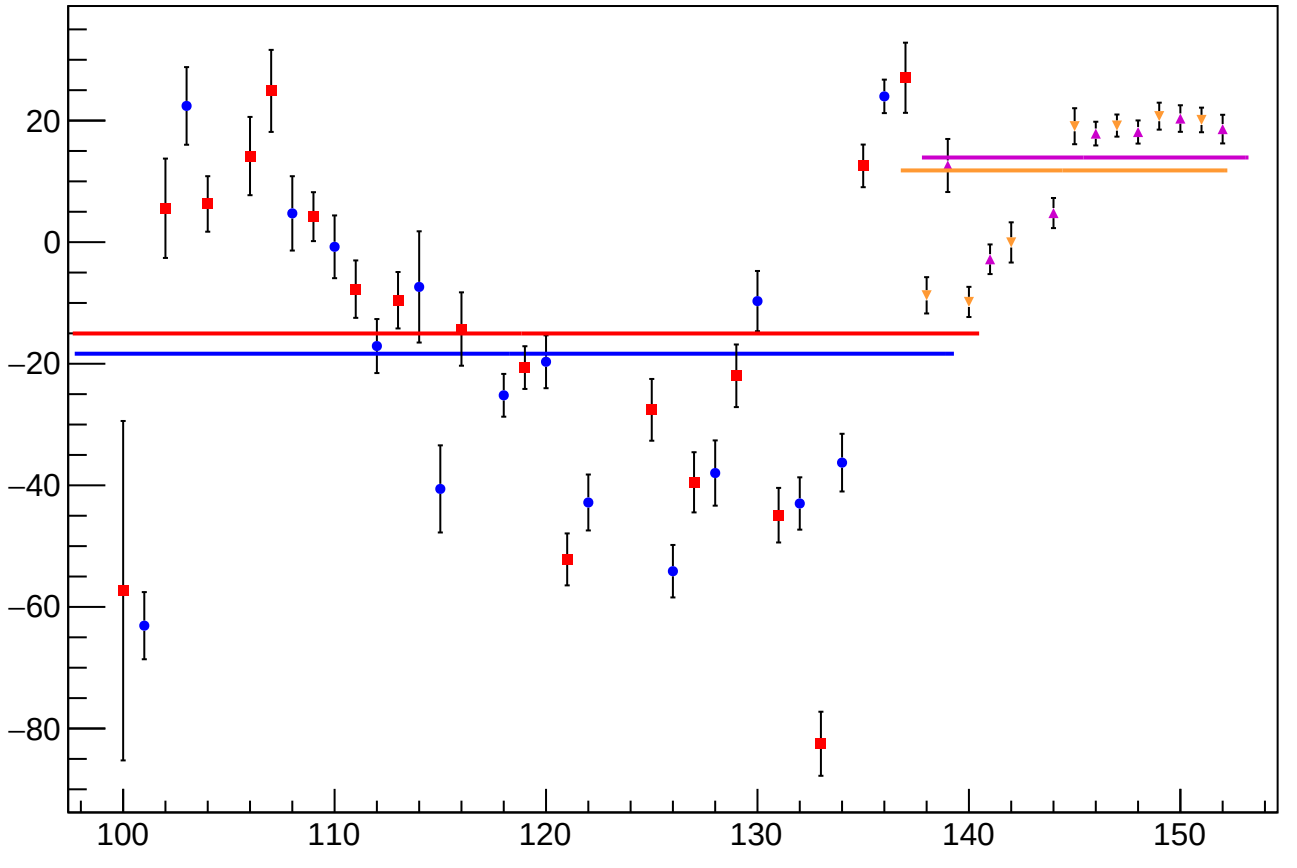
Left: -97.791+/-0.748 χ^2/NDF: 387.8/13

Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

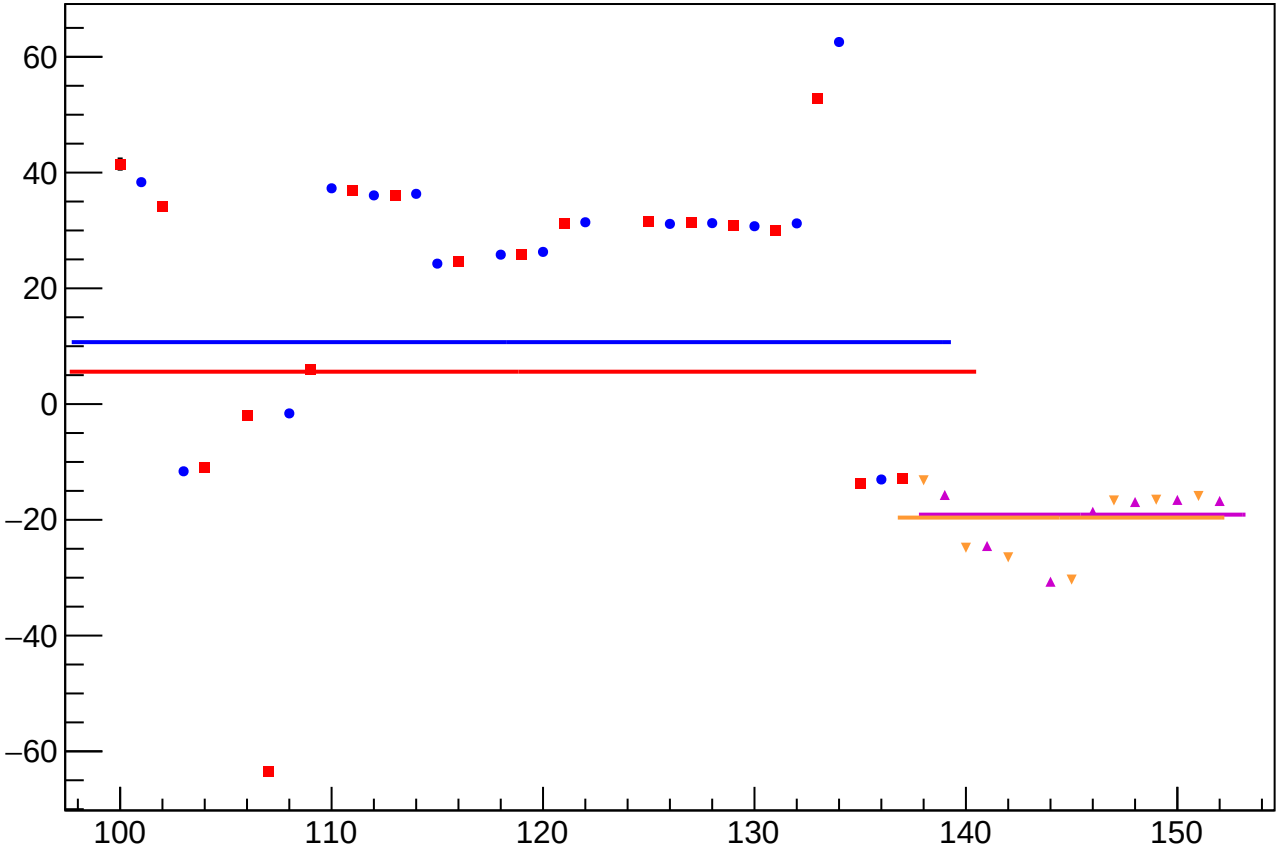
In: -148.082+/-0.748 χ^2/NDF:6324.8/22

Out: -142.939+/-0.764 χ^2/NDF:6545.9/24

All: -145.563+/-0.535 χ^2/NDF: 12893.8/47


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -18.348+/-1.159 χ²/NDF: 543.9/15
Left Out: 11.799+/-0.902 χ²/NDF:191.6/6
Right Out: -15.021+/-1.162 χ²/NDF: 546.4/17
Left In: 13.925+/-0.873 χ²/NDF:82.3/6
Left: 12.897+/-0.627 χ²/NDF: 276.8/13
Right: -16.688+/-0.821 χ²/NDF: 1094.5/33
In: 2.248+/-0.697 χ²/NDF:1120.7/22
Out: 1.713+/-0.712 χ²/NDF:1070.6/24
All: 1.986+/-0.498 χ²/NDF: 2191.6/47

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: -19.104+/-0.041 χ^2/NDF:12703.9/6

Left: -19.337+/-0.030 χ^2/NDF: 30480.3/13

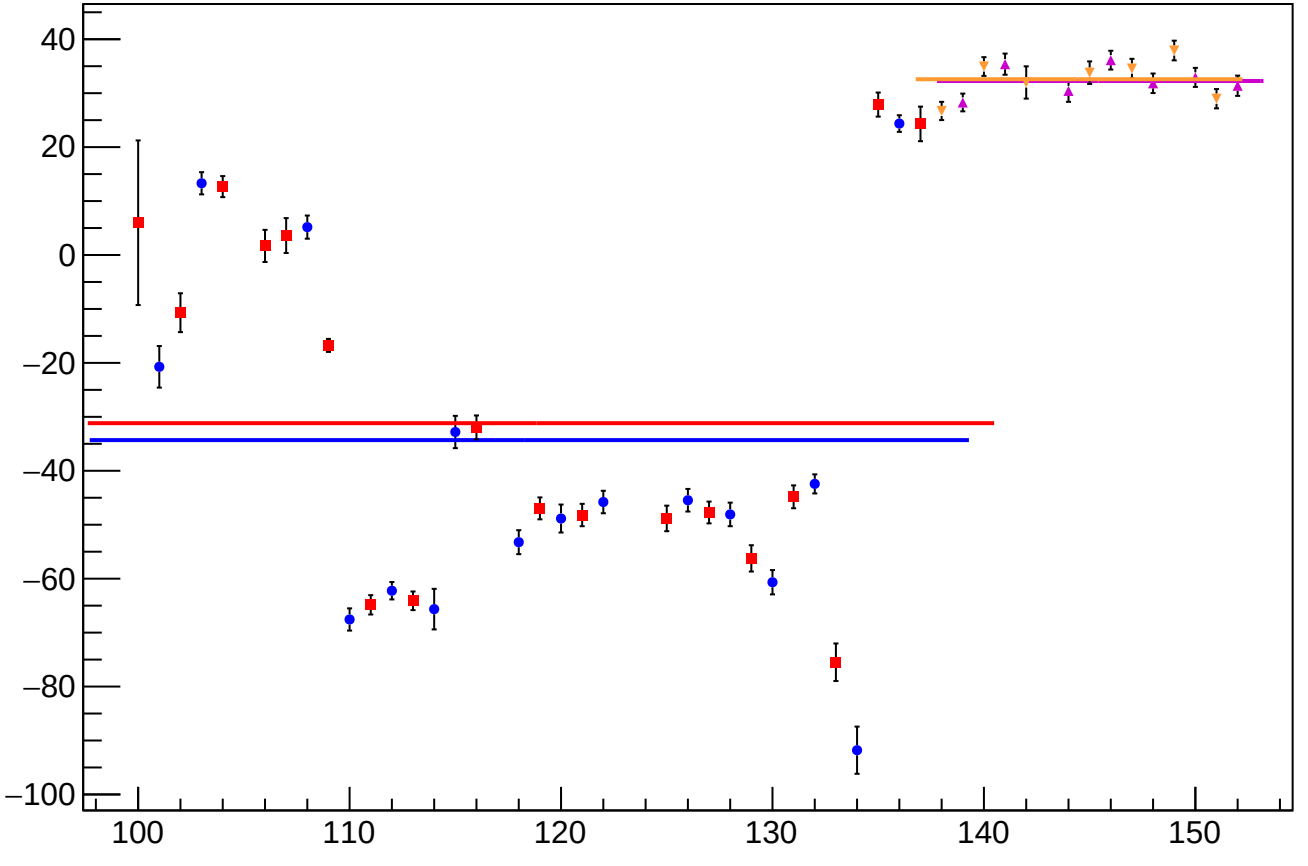
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -10.184+/-0.034 χ^2/NDF:334921.2/22

Out: -11.282+/-0.037 χ^2/NDF:277796.3/24

All: -10.699+/-0.025 χ^2/NDF: 613195.3/47

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: 32.259+/-0.688 χ^2/NDF:14.6/6

Left: 32.415+/-0.497 χ^2/NDF: 42.8/13

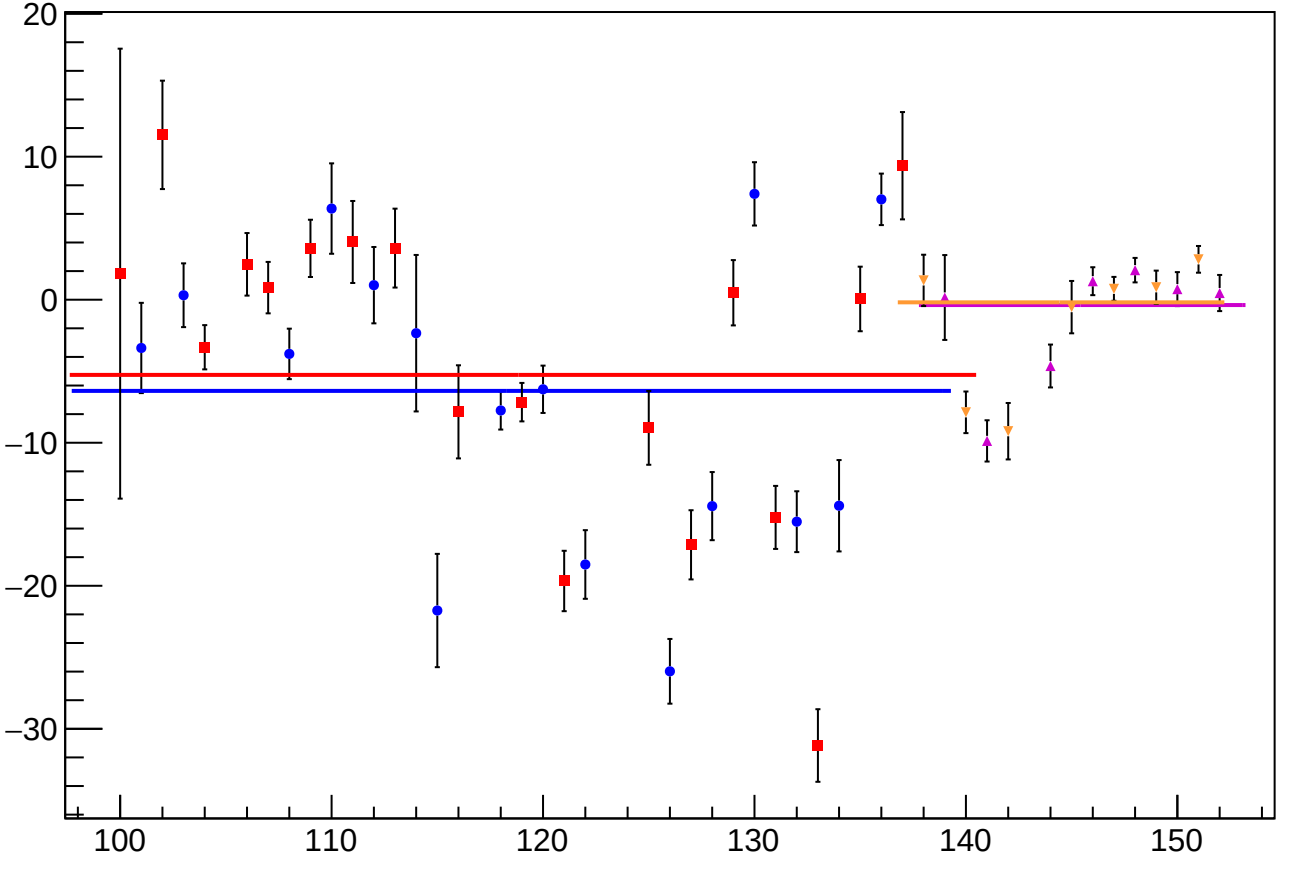
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: -8.492+/-0.429 χ^2/NDF:9244.2/22

Out: -9.477+/-0.419 χ^2/NDF:8429.7/24

All: -8.996+/-0.300 χ^2/NDF: 17676.6/47

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.184+/-0.464 χ^2/NDF:62.0/6

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -0.373+/-0.457 χ^2/NDF:63.8/6

Left: -0.280+/-0.325 χ^2/NDF: 125.9/13

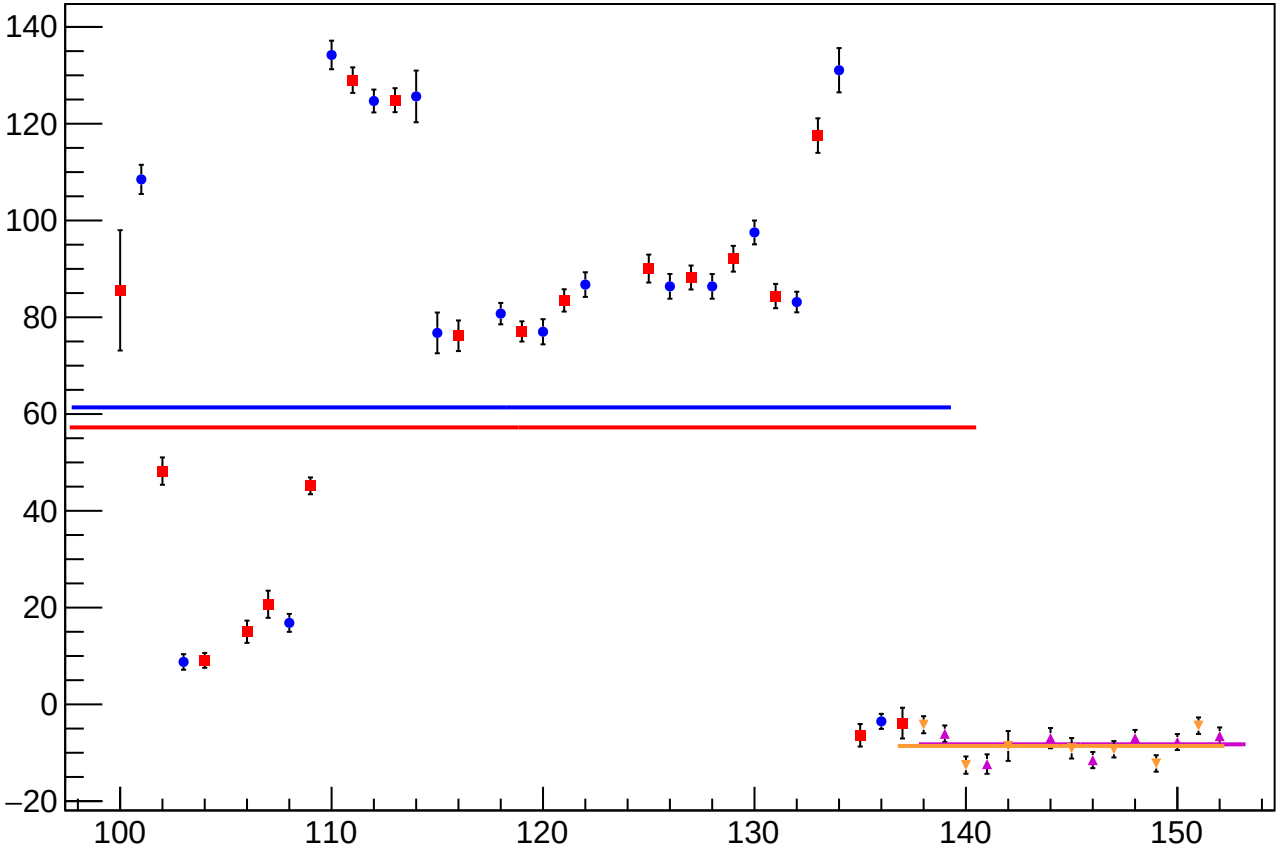
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.806+/-0.352 χ^2/NDF:417.3/22

Out: -2.371+/-0.350 χ^2/NDF:426.6/24

All: -2.586+/-0.248 χ^2/NDF: 844.7/47

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: -8.255+/-0.674 χ^2/NDF:11.5/6

Left: -8.413+/-0.488 χ^2/NDF: 33.4/13

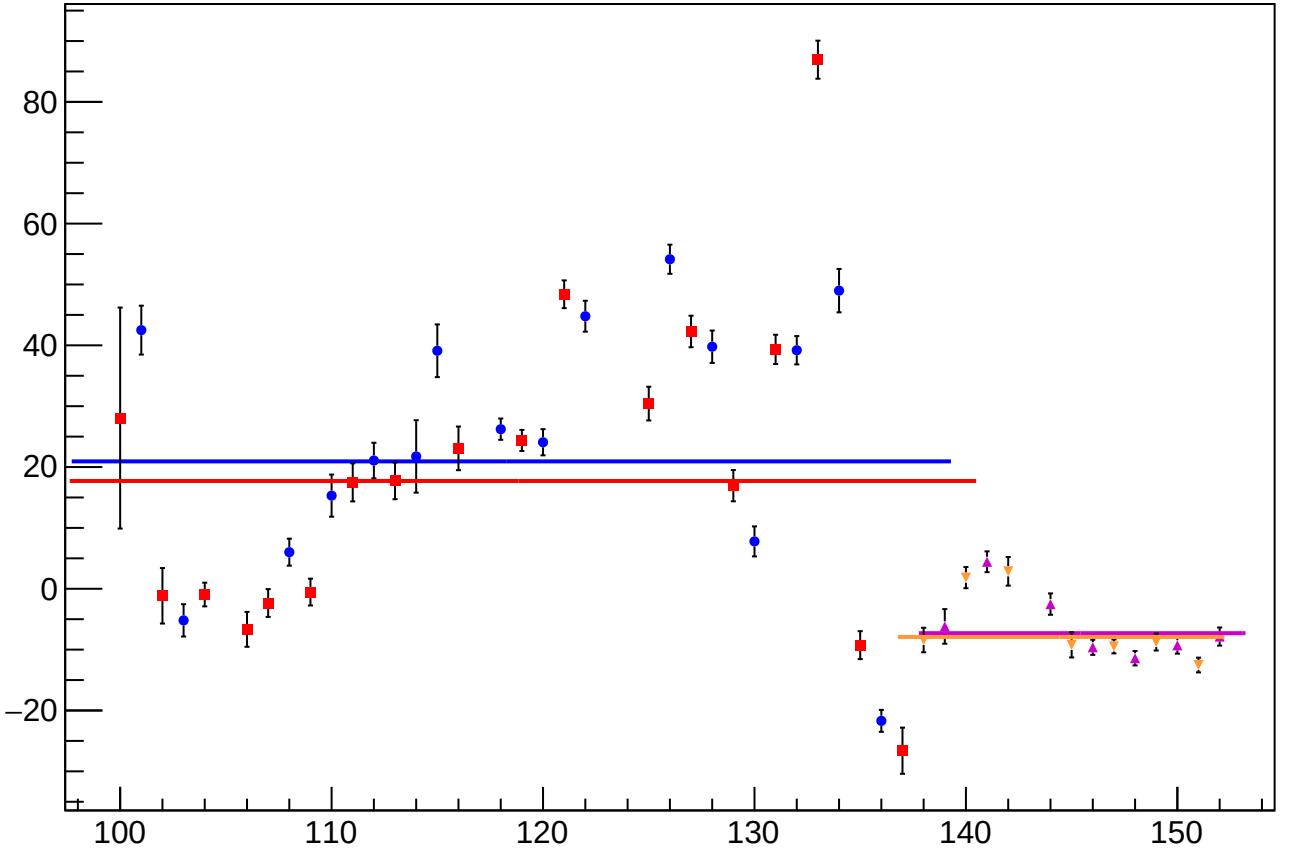
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 30.905+/-0.446 χ^2/NDF:12085.6/22

Out: 30.760+/-0.449 χ^2/NDF:10467.4/24

All: 30.833+/-0.316 χ^2/NDF: 22553.1/47

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: -7.299+/-0.566 χ^2/NDF:72.3/6

Left: -7.599+/-0.406 χ^2/NDF: 142.4/13

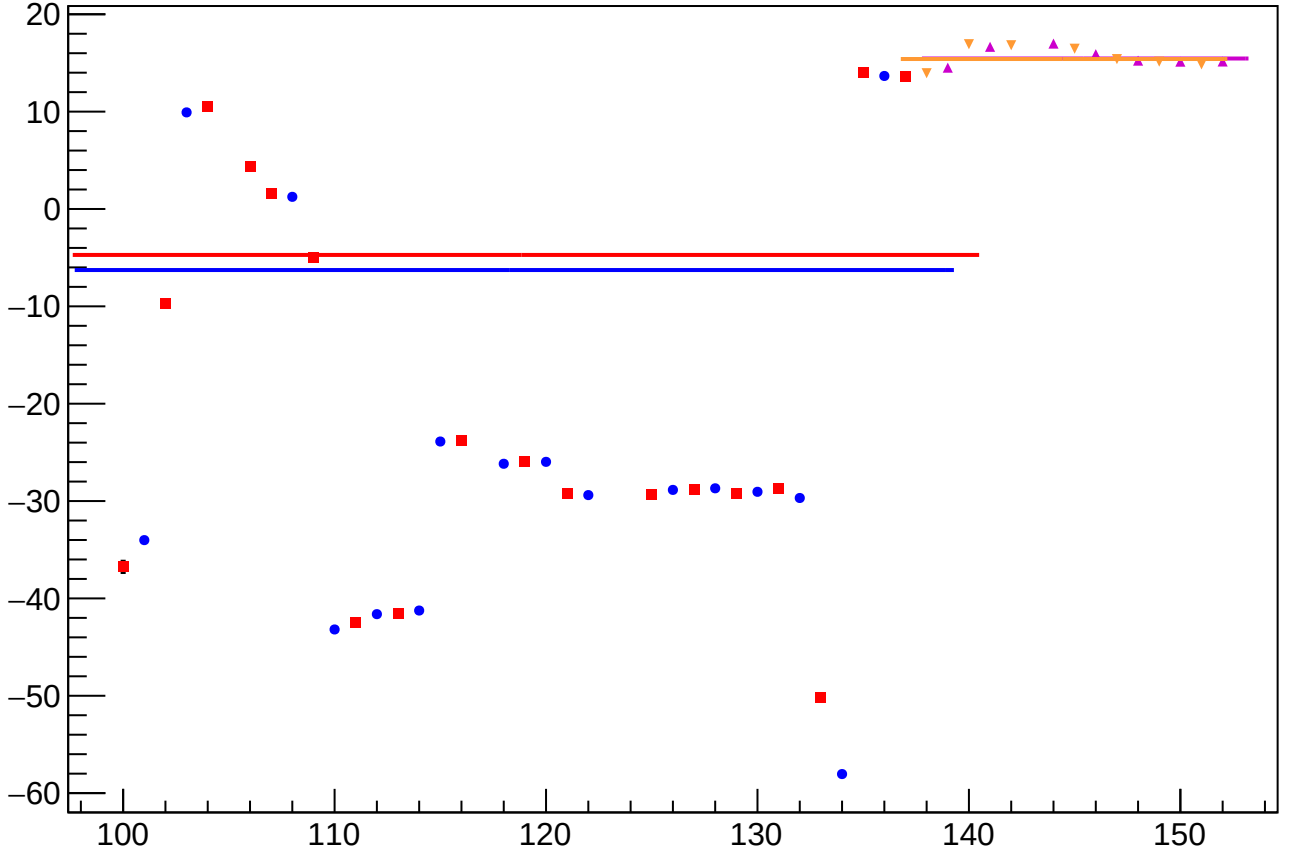
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 5.082+/-0.424 χ^2/NDF:2409.6/22

Out: 4.143+/-0.424 χ^2/NDF:2461.5/24

All: 4.613+/-0.300 χ^2/NDF: 4873.6/47

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: 15.456+/-0.027 χ^2/NDF:816.2/6

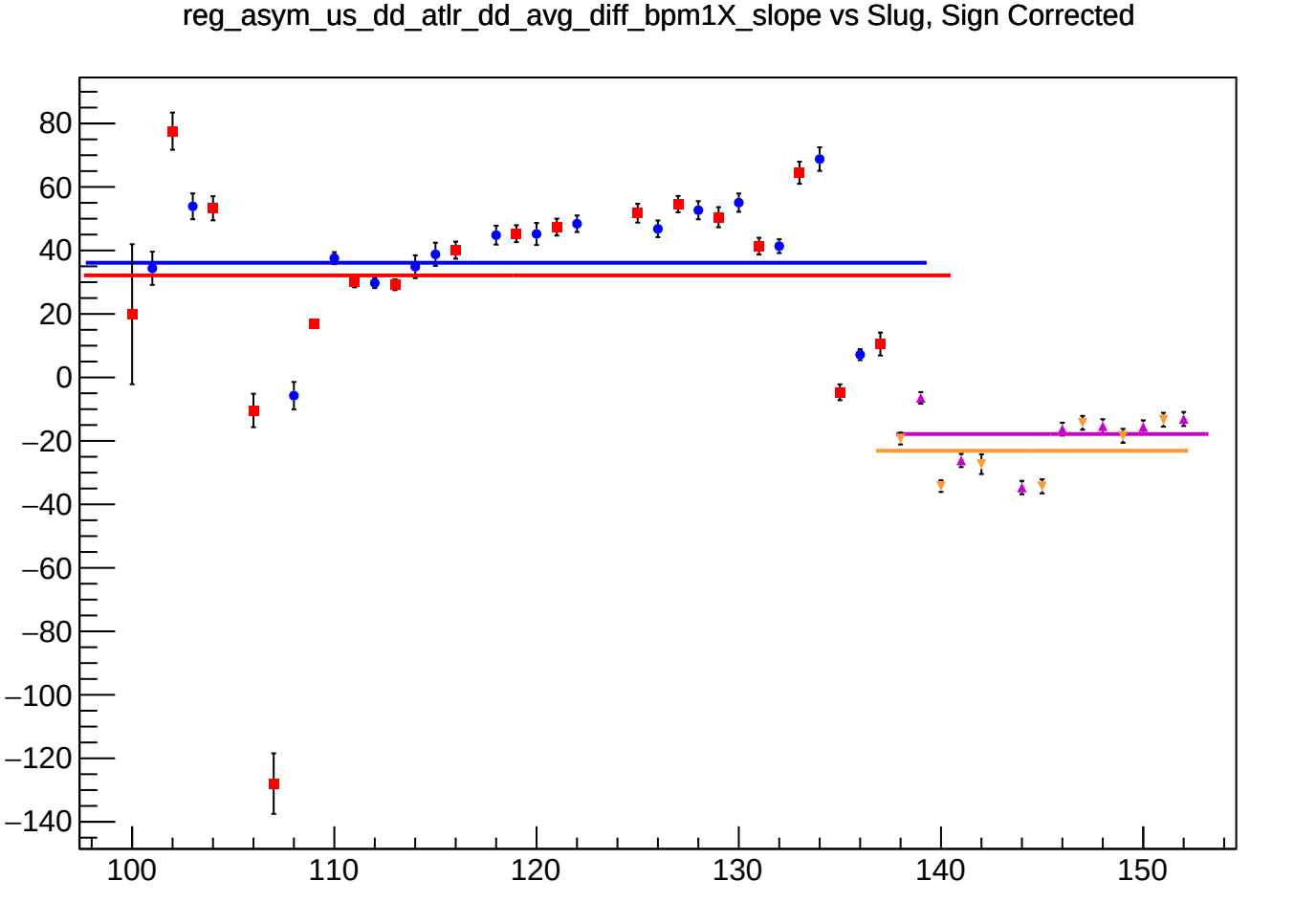
Left: 15.432+/-0.020 χ^2/NDF: 2001.4/13

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 7.001+/-0.021 χ^2/NDF:669515.2/22

Out: 6.779+/-0.022 χ^2/NDF:511744.2/24

All: 6.896+/-0.015 χ^2/NDF: 1181312.9/47



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: -17.826+/-0.784 χ^2/NDF:126.1/6

Left: -20.368+/-0.564 χ^2/NDF: 256.8/13

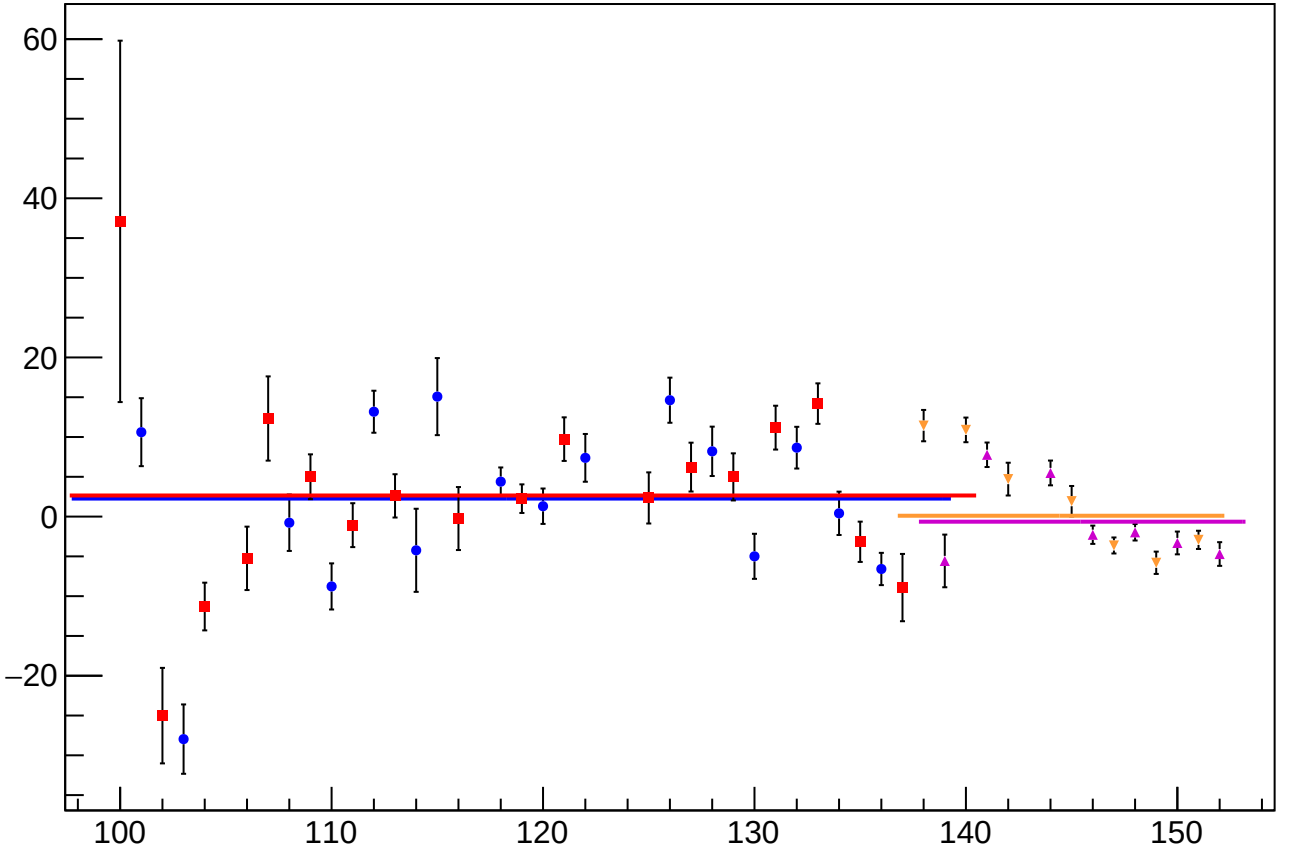
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 13.883+/-0.503 χ^2/NDF:3532.6/22

Out: 11.399+/-0.498 χ^2/NDF:4106.5/24

All: 12.629+/-0.354 χ^2/NDF: 7651.5/47

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: -0.642+/-0.530 χ^2/NDF:62.2/6

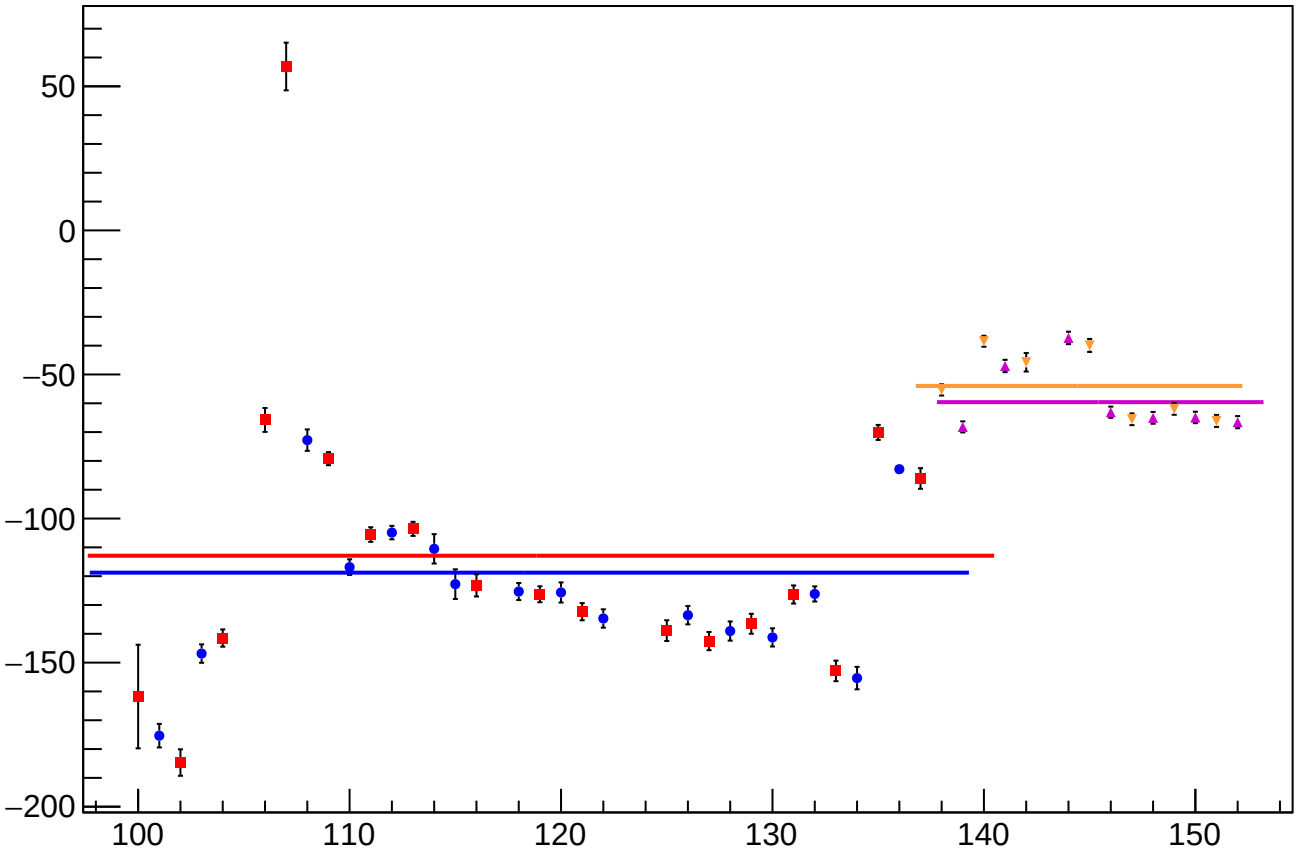
Left: -0.274+/-0.378 χ^2/NDF: 189.3/13

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 0.415+/-0.423 χ^2/NDF:225.1/22

Out: 1.028+/-0.430 χ^2/NDF:241.4/24

All: 0.716+/-0.302 χ^2/NDF: 467.6/47



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: -59.605+/-0.771 χ^2/NDF:188.5/6

Left: -56.915+/-0.557 χ^2/NDF: 407.5/13

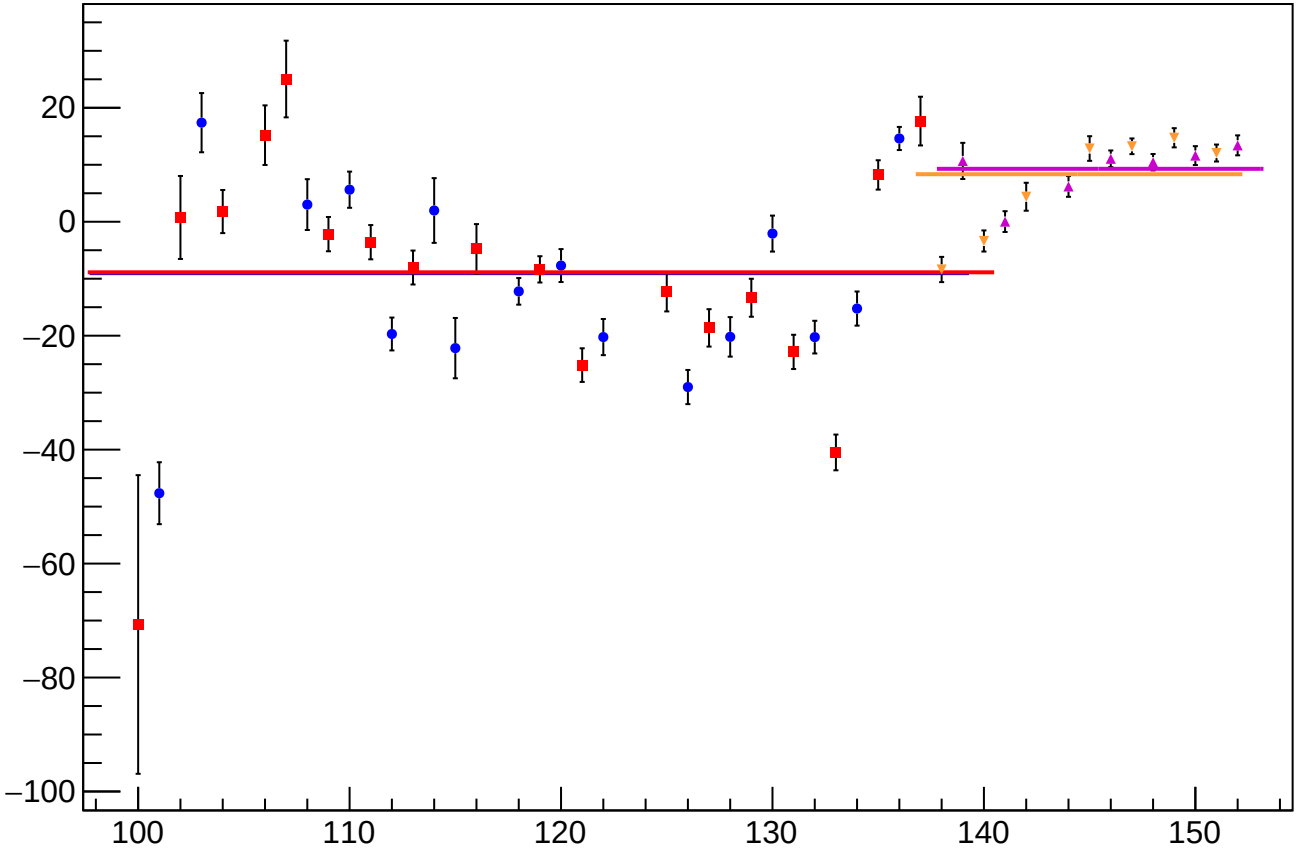
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -89.734+/-0.540 χ^2/NDF:4308.6/22

Out: -85.112+/-0.553 χ^2/NDF:4883.8/24

All: -87.478+/-0.386 χ^2/NDF: 9228.1/47

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: 9.289+/-0.653 χ^2/NDF:38.4/6

Left: 8.830+/-0.469 χ^2/NDF: 176.8/13

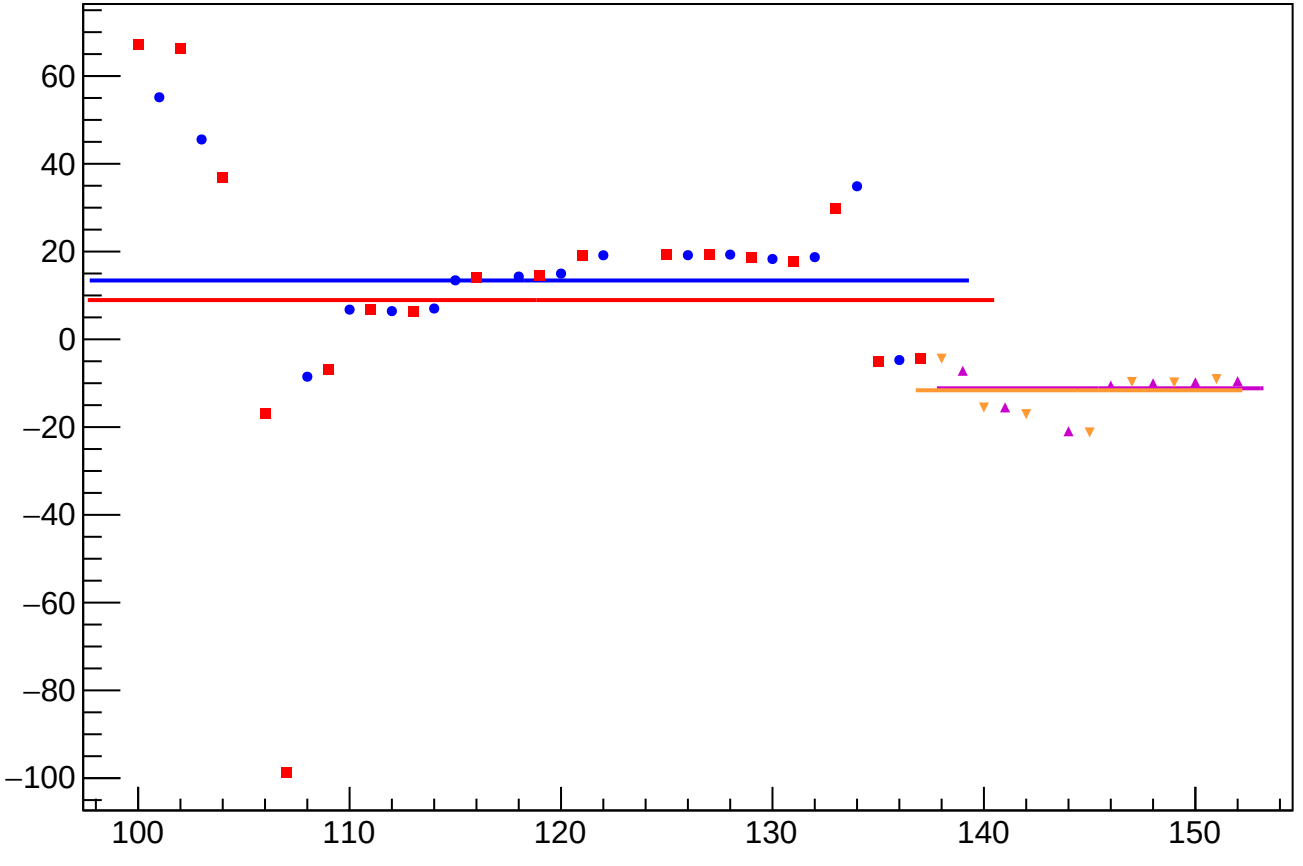
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 1.918+/-0.505 χ^2/NDF:712.8/22

Out: 1.311+/-0.518 χ^2/NDF:723.2/24

All: 1.622+/-0.361 χ^2/NDF: 1436.7/47

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.612+/-0.033 χ^2/NDF:26280.2/6

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.160+/-0.031 χ^2/NDF:17105.6/6

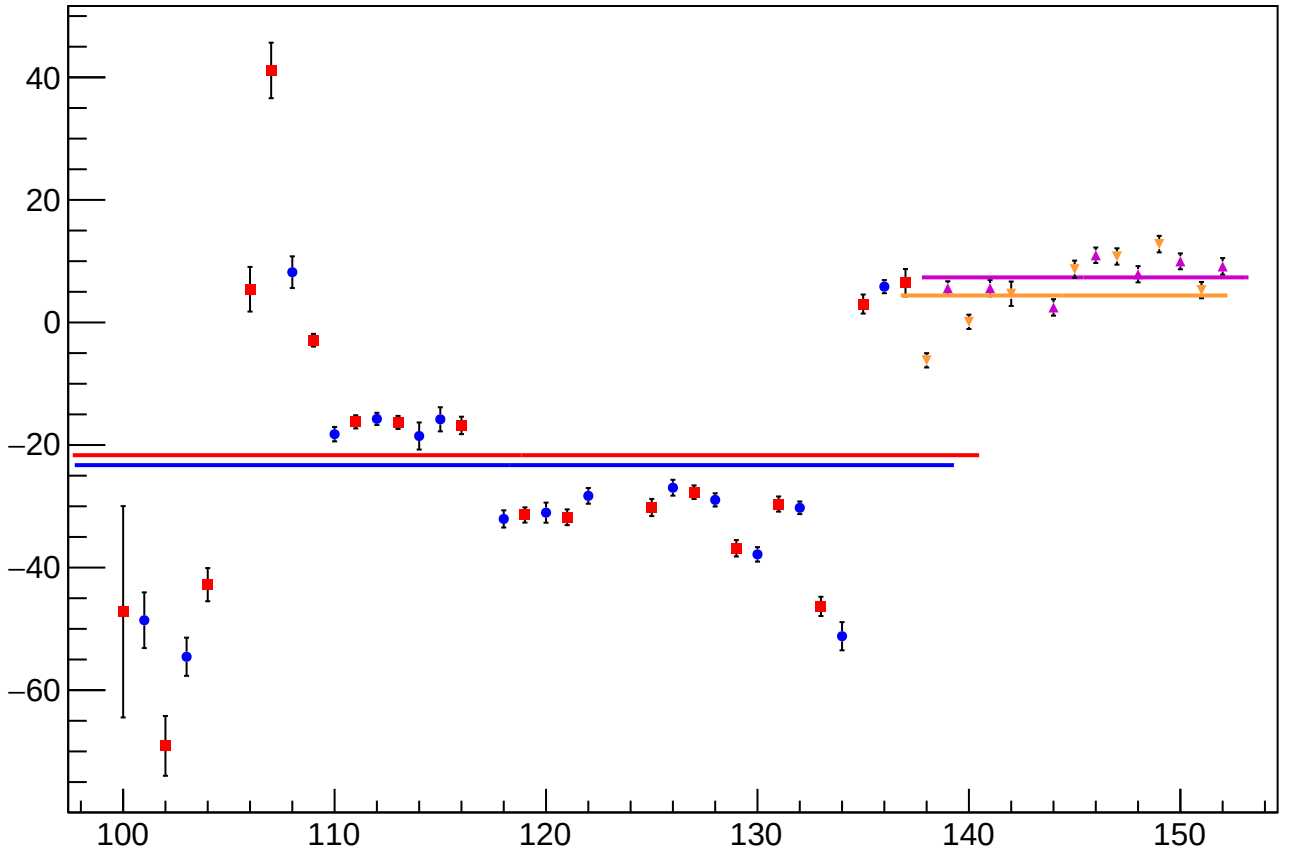
Left: -11.367+/-0.023 χ^2/NDF: 43486.0/13

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -3.466+/-0.025 χ^2/NDF:403076.2/22

Out: -4.837+/-0.027 χ^2/NDF:443484.5/24

All: -4.103+/-0.019 χ^2/NDF: 847921.0/47



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: 7.354+/-0.487 χ^2/NDF:31.6/6

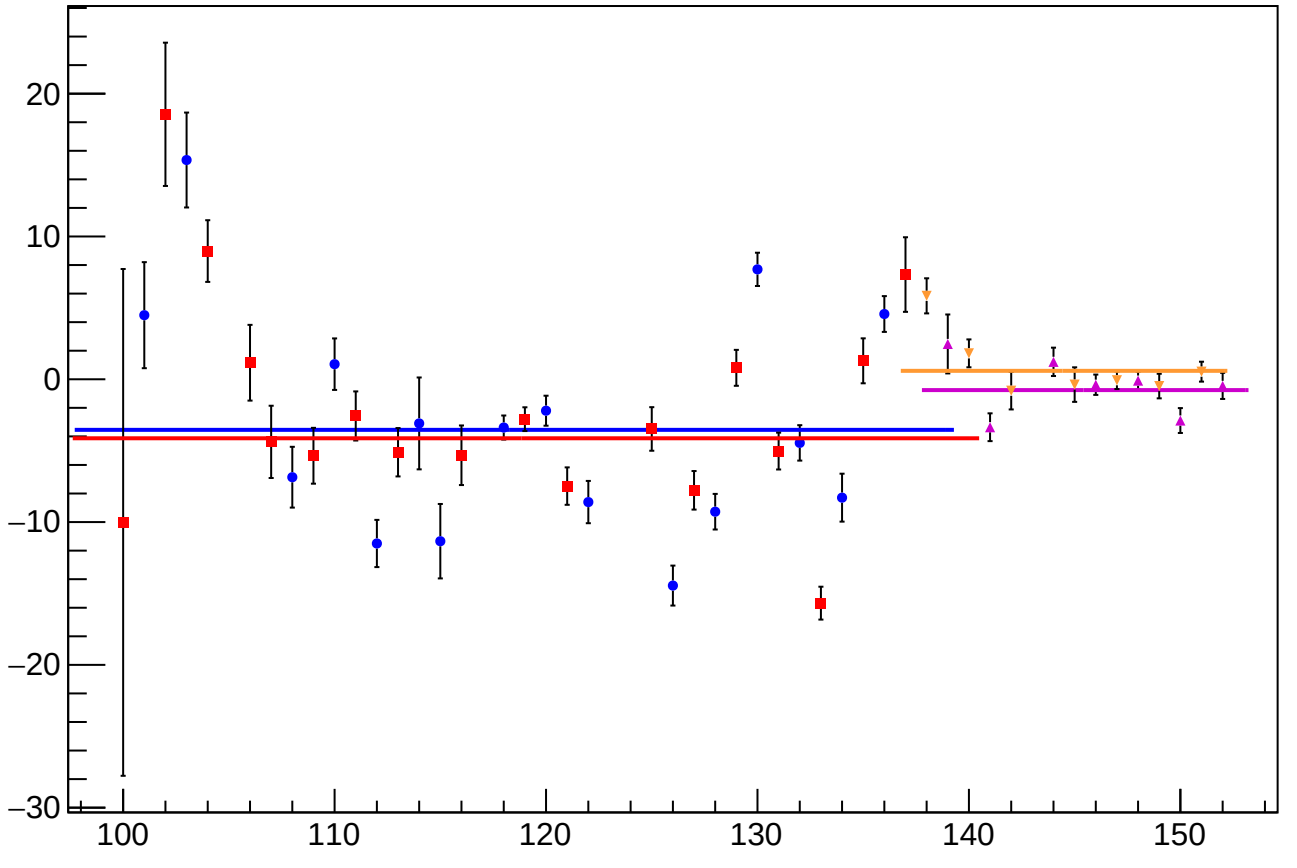
Left: 5.935+/-0.351 χ^2/NDF: 216.3/13

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -12.822+/-0.284 χ^2/NDF:4209.2/22

Out: -13.308+/-0.286 χ^2/NDF:3784.9/24

All: -13.063+/-0.202 χ^2/NDF: 7995.5/47



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: -0.758+/-0.327 χ^2/NDF:21.1/6

Left: -0.095+/-0.233 χ^2/NDF: 53.7/13

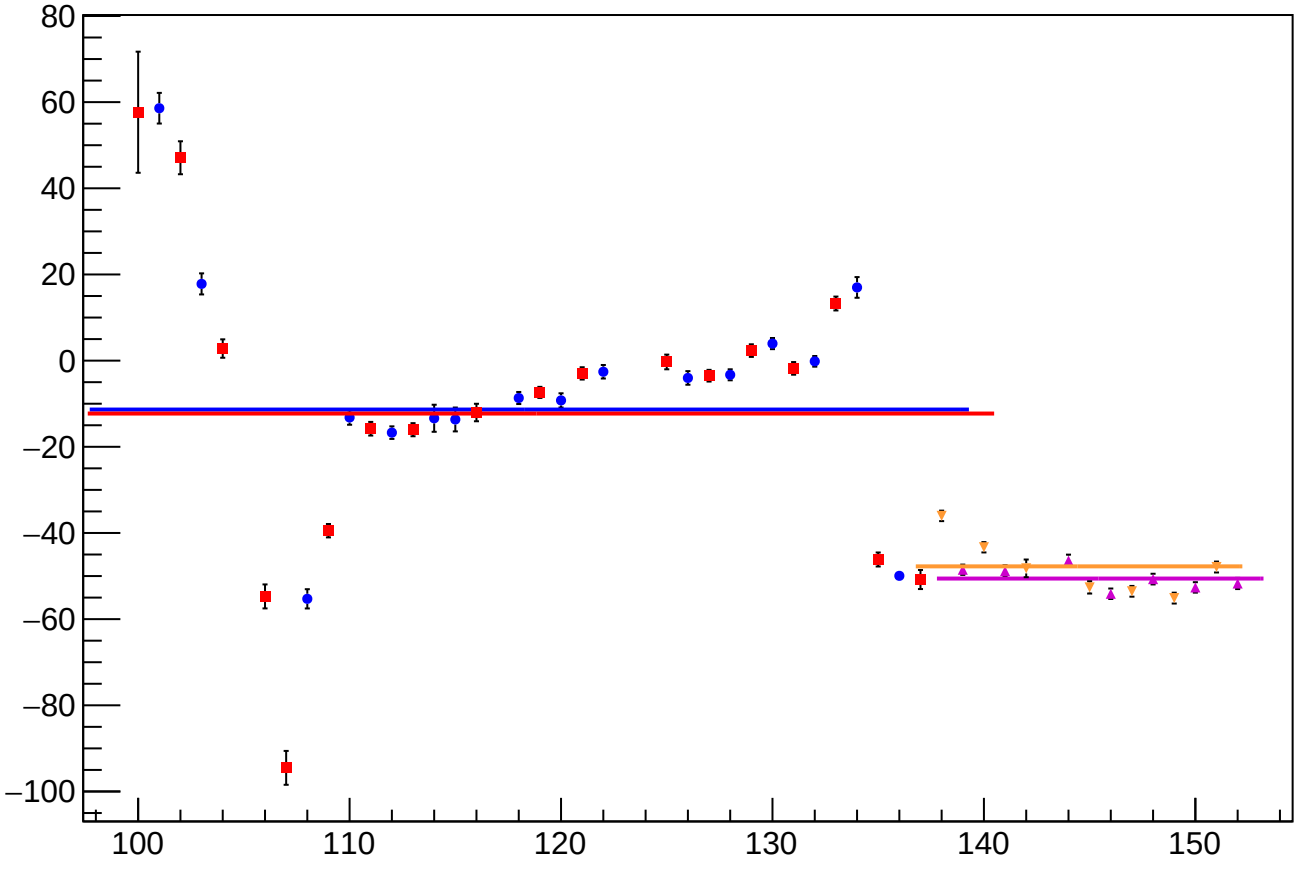
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -2.006+/-0.243 χ^2/NDF:370.3/22

Out: -1.518+/-0.248 χ^2/NDF:341.6/24

All: -1.767+/-0.173 χ^2/NDF: 713.9/47

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -47.751+/-0.500 χ^2/NDF:173.7/6

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -50.581+/-0.478 χ^2/NDF:25.8/6

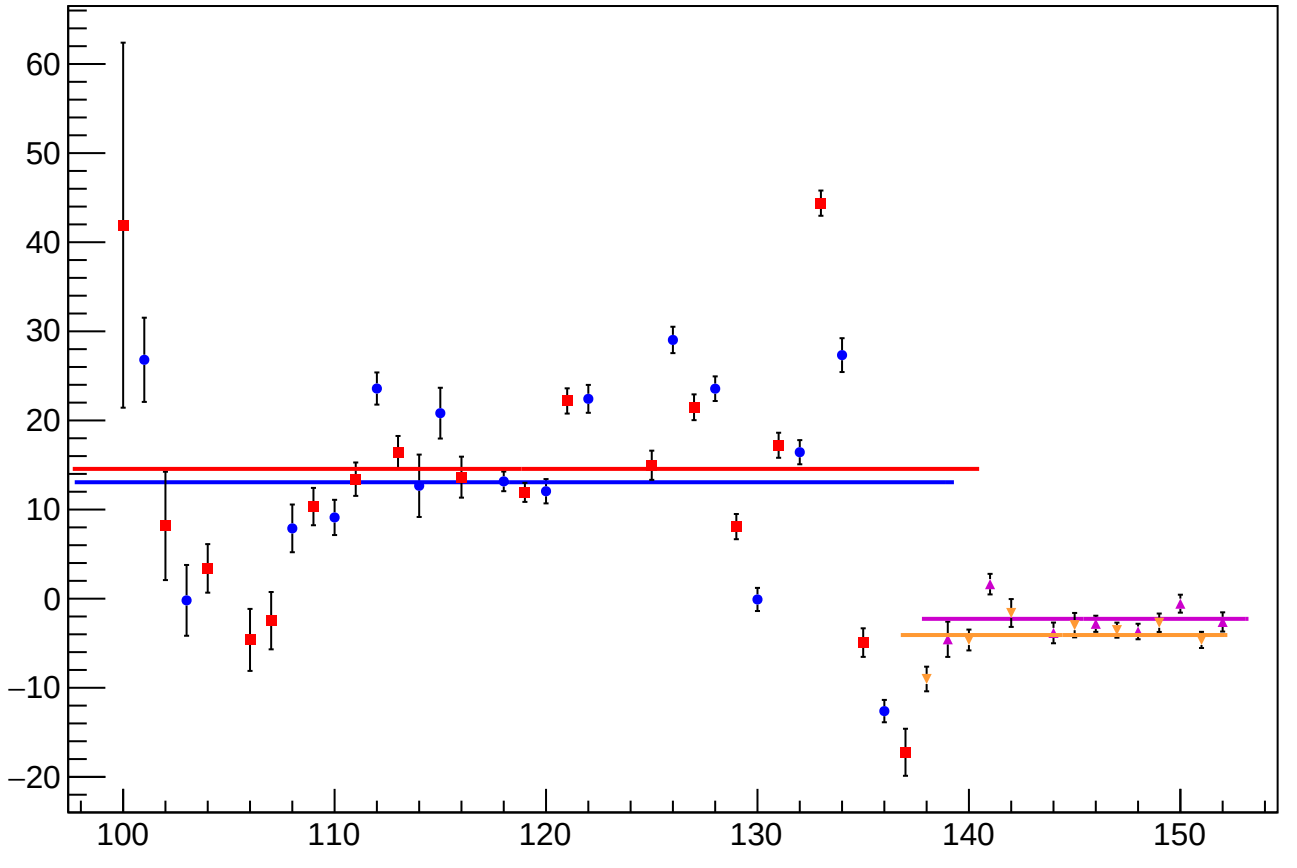
Left: -49.231+/-0.346 χ^2/NDF: 216.3/13

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -27.783+/-0.309 χ^2/NDF:6603.0/22

Out: -26.662+/-0.319 χ^2/NDF:5752.5/24

All: -27.239+/-0.222 χ^2/NDF: 12361.8/47



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: -2.264+/-0.404 χ^2/NDF:20.6/6

Left: -3.143+/-0.290 χ^2/NDF: 49.1/13

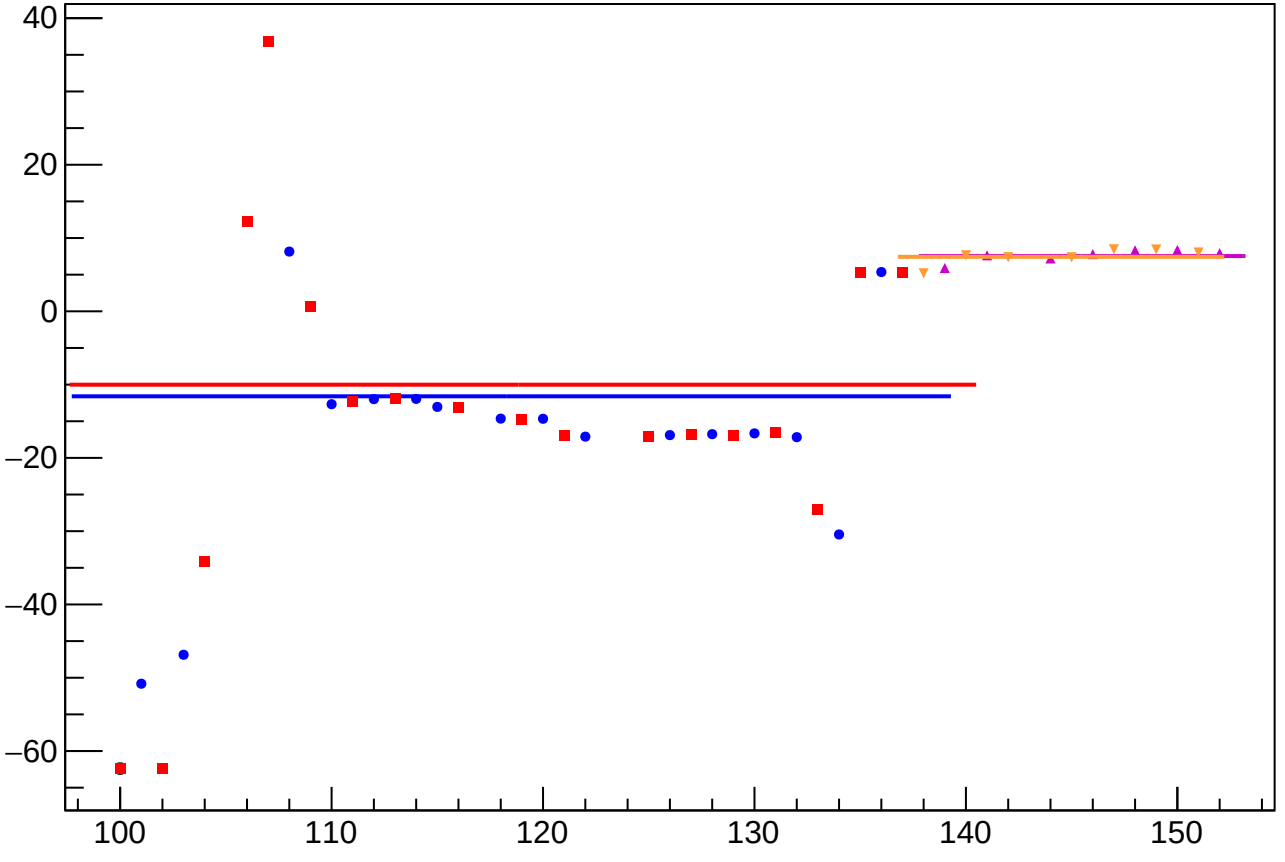
Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 5.196+/-0.289 χ^2/NDF:1585.4/22

Out: 5.113+/-0.297 χ^2/NDF:1908.8/24

All: 5.156+/-0.207 χ^2/NDF: 3494.2/47

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.440+/-0.021 χ^2/NDF:3060.6/6

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.540+/-0.019 χ^2/NDF:2130.0/6

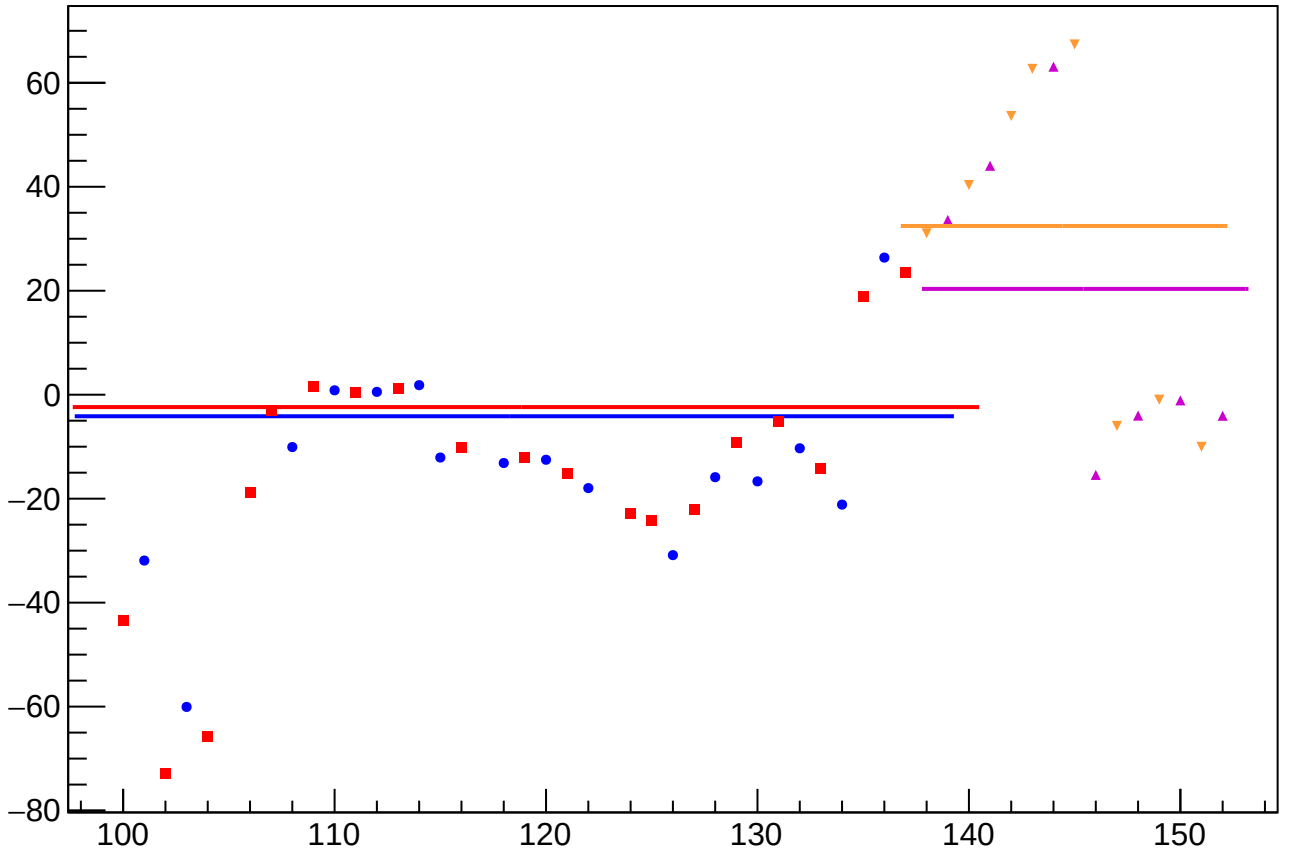
Left: 7.494+/-0.014 χ^2/NDF: 5203.5/13

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 1.008+/-0.015 χ^2/NDF:711095.2/22

Out: 1.132+/-0.017 χ^2/NDF:657532.2/24

All: 1.066+/-0.011 χ^2/NDF: 1368657.5/47



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: 20.353+/-0.094 χ^2/NDF:76942.2/6

Left: 26.054+/-0.068 χ^2/NDF: 146802.3/14

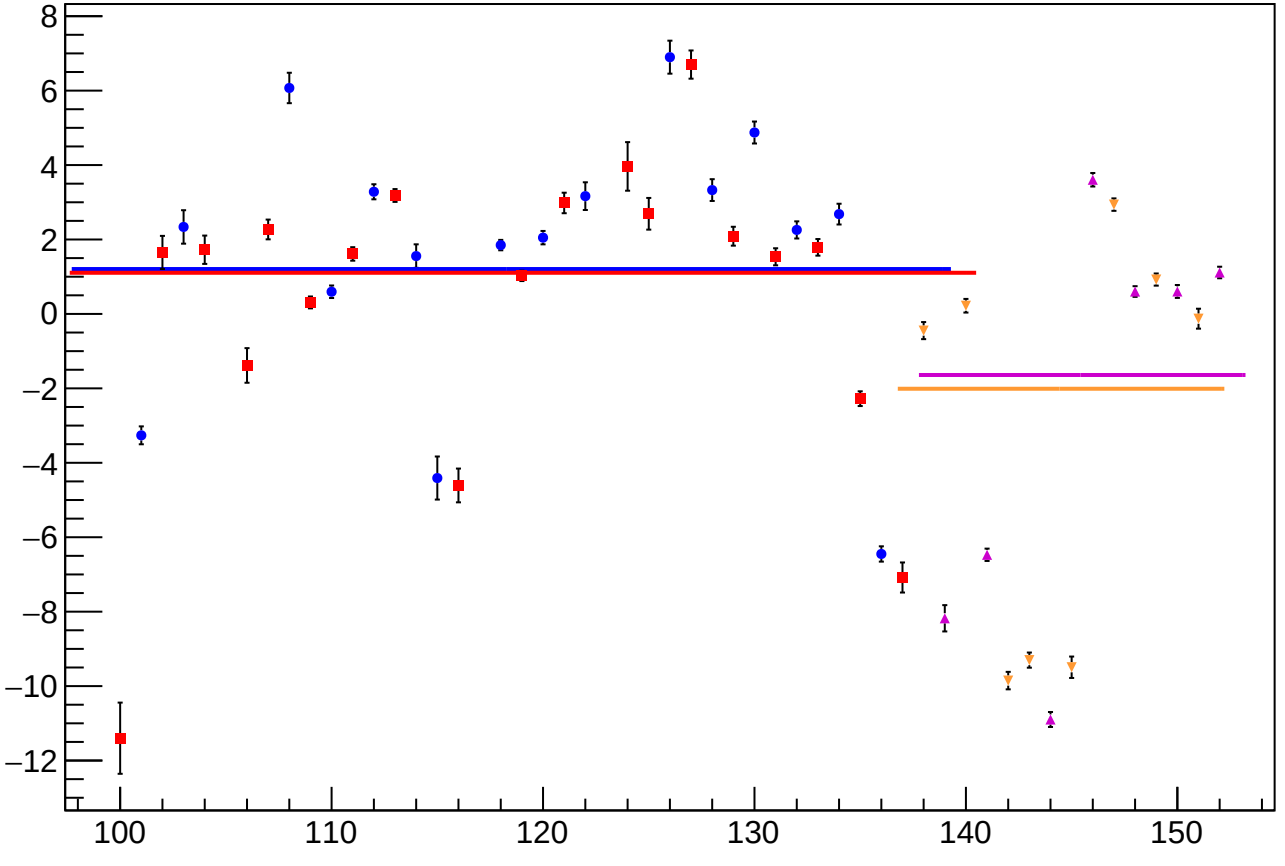
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 2.050+/-0.047 χ^2/NDF:202967.8/22

Out: 3.773+/-0.042 χ^2/NDF:243542.8/26

All: 3.016+/-0.031 χ^2/NDF: 447255.2/49

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: -1.641+/-0.067 χ^2/NDF:4871.1/6

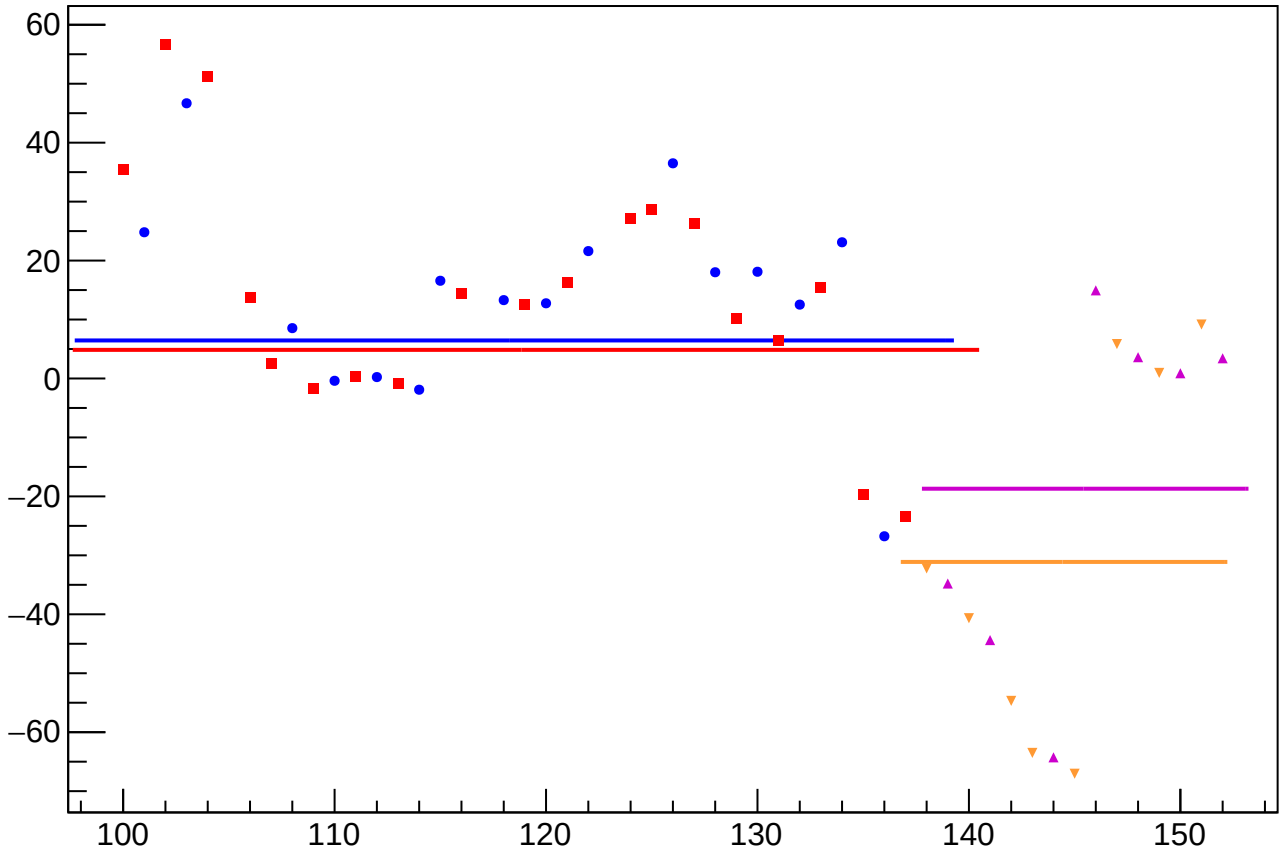
Left: -1.811+/-0.049 χ^2/NDF: 9399.1/14

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: -0.071+/-0.045 χ^2/NDF:8451.1/22

Out: -0.090+/-0.045 χ^2/NDF:7239.3/26

All: -0.080+/-0.032 χ^2/NDF: 15690.4/49



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: -18.698+/-0.092 χ^2/NDF:80077.3/6

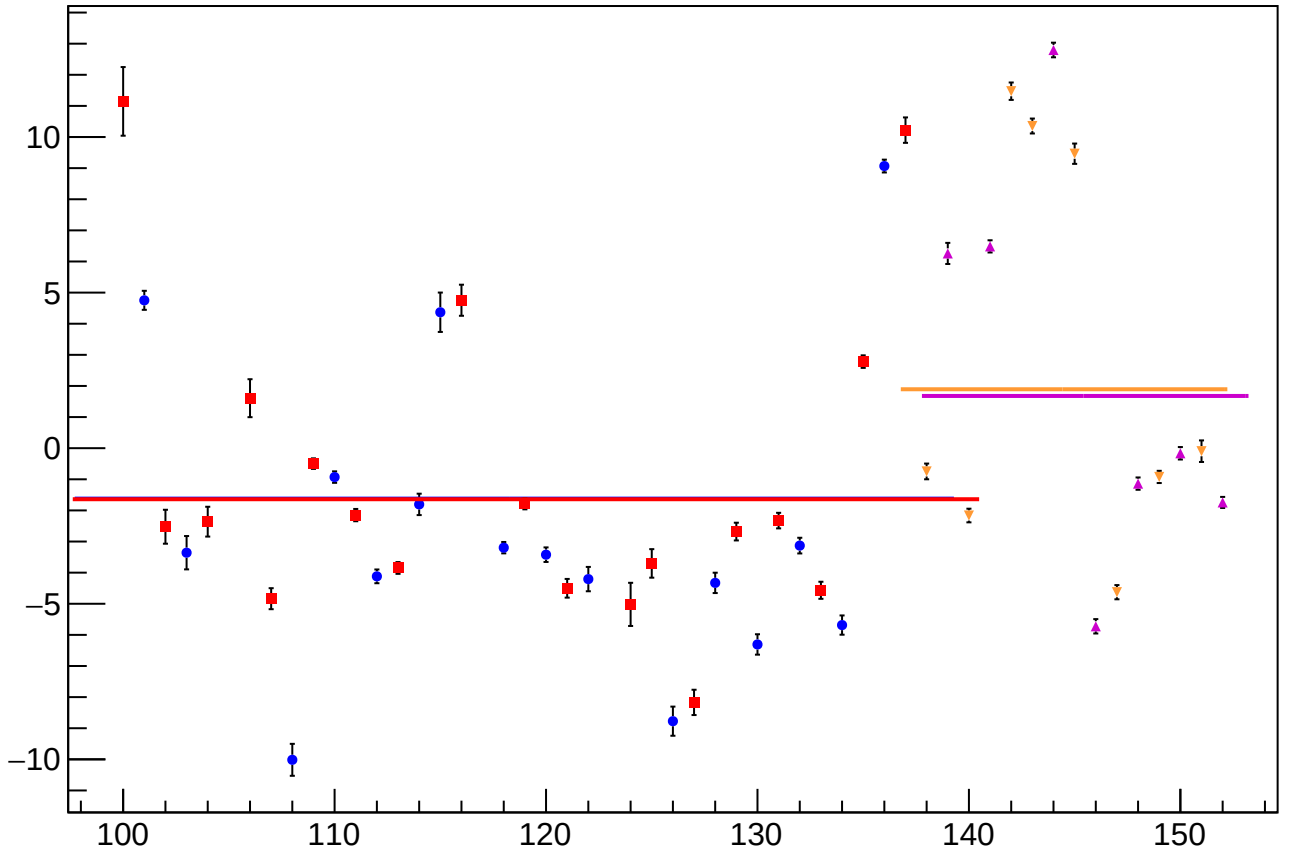
Left: -24.418+/-0.068 χ^2/NDF: 154161.9/14

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -1.900+/-0.053 χ^2/NDF:200152.6/22

Out: -4.461+/-0.051 χ^2/NDF:236791.6/26

All: -3.239+/-0.037 χ^2/NDF: 438150.4/49



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: 1.679+/-0.081 χ^2/NDF:4695.2/6

Left: 1.777+/-0.059 χ^2/NDF: 9159.9/14

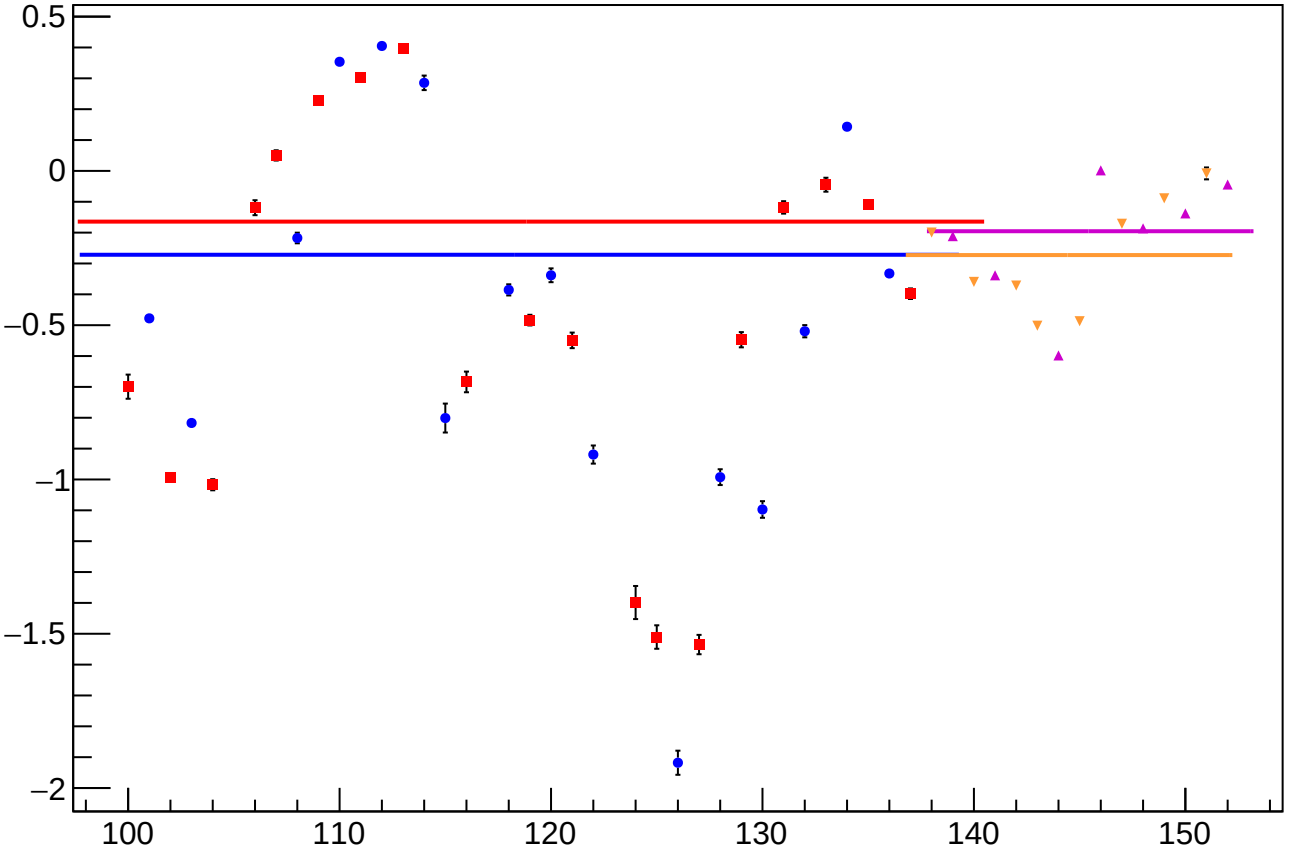
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -0.214+/-0.053 χ^2/NDF:10179.6/22

Out: -0.401+/-0.052 χ^2/NDF:7973.8/26

All: -0.309+/-0.037 χ^2/NDF: 18159.8/49

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.273+/-0.004 χ^2/NDF:1385.0/7

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.195+/-0.004 χ^2/NDF:1921.6/6

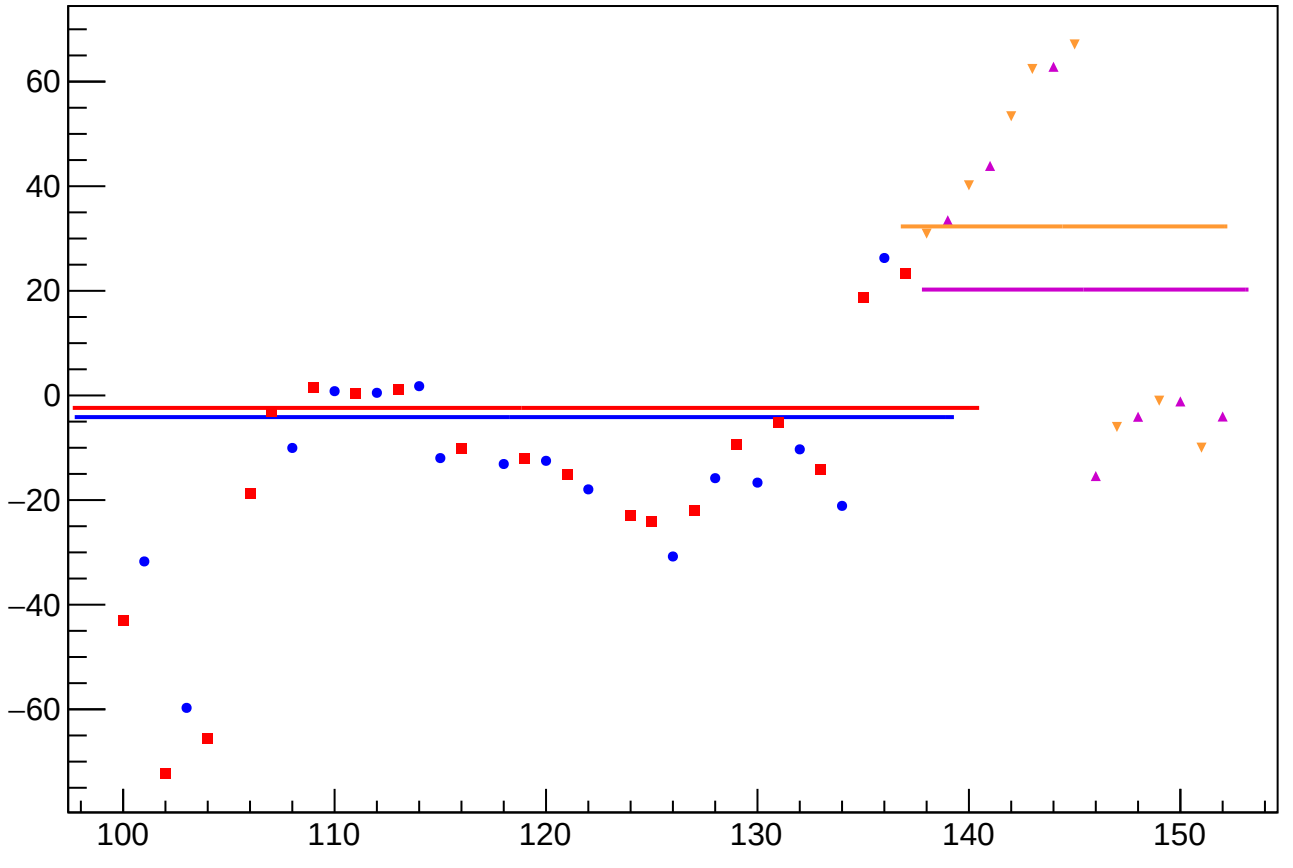
Left: -0.229+/-0.003 χ^2/NDF: 3508.1/14

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.228+/-0.003 χ^2/NDF:14163.6/22

Out: -0.214+/-0.003 χ^2/NDF:17257.4/26

All: -0.221+/-0.002 χ^2/NDF: 31433.2/49



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: 20.240+/-0.094 χ^2/NDF:76963.0/6

Left: 25.926+/-0.068 χ^2/NDF: 146798.0/14

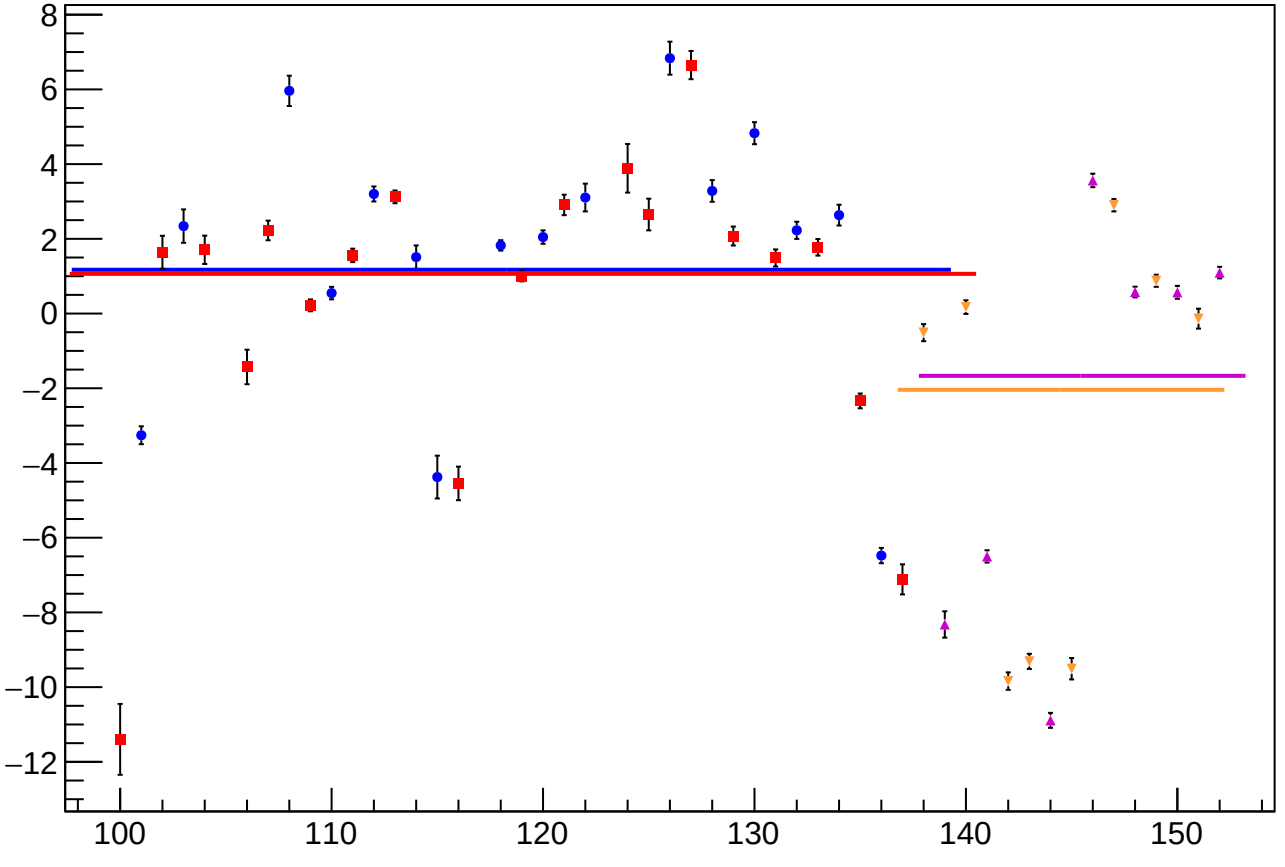
Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 2.002+/-0.047 χ^2/NDF:202893.1/22

Out: 3.718+/-0.042 χ^2/NDF:243347.0/26

All: 2.964+/-0.031 χ^2/NDF: 446987.1/49

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: -1.667+/-0.067 χ^2/NDF:4897.4/6

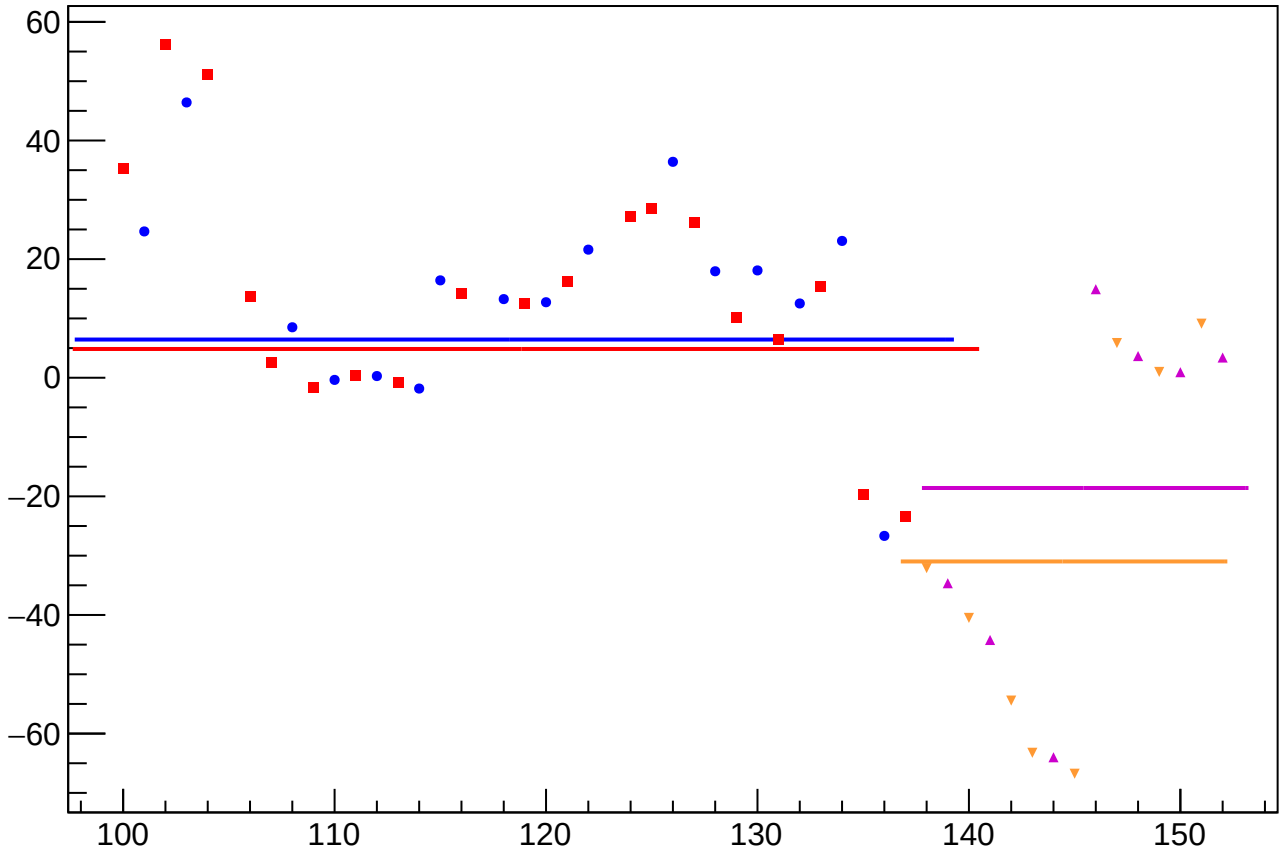
Left: -1.839+/-0.049 χ^2/NDF: 9425.8/14

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: -0.099+/-0.045 χ^2/NDF:8480.8/22

Out: -0.126+/-0.045 χ^2/NDF:7248.6/26

All: -0.113+/-0.032 χ^2/NDF: 15729.6/49



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: -18.590+/-0.092 χ^2/NDF:80086.7/6

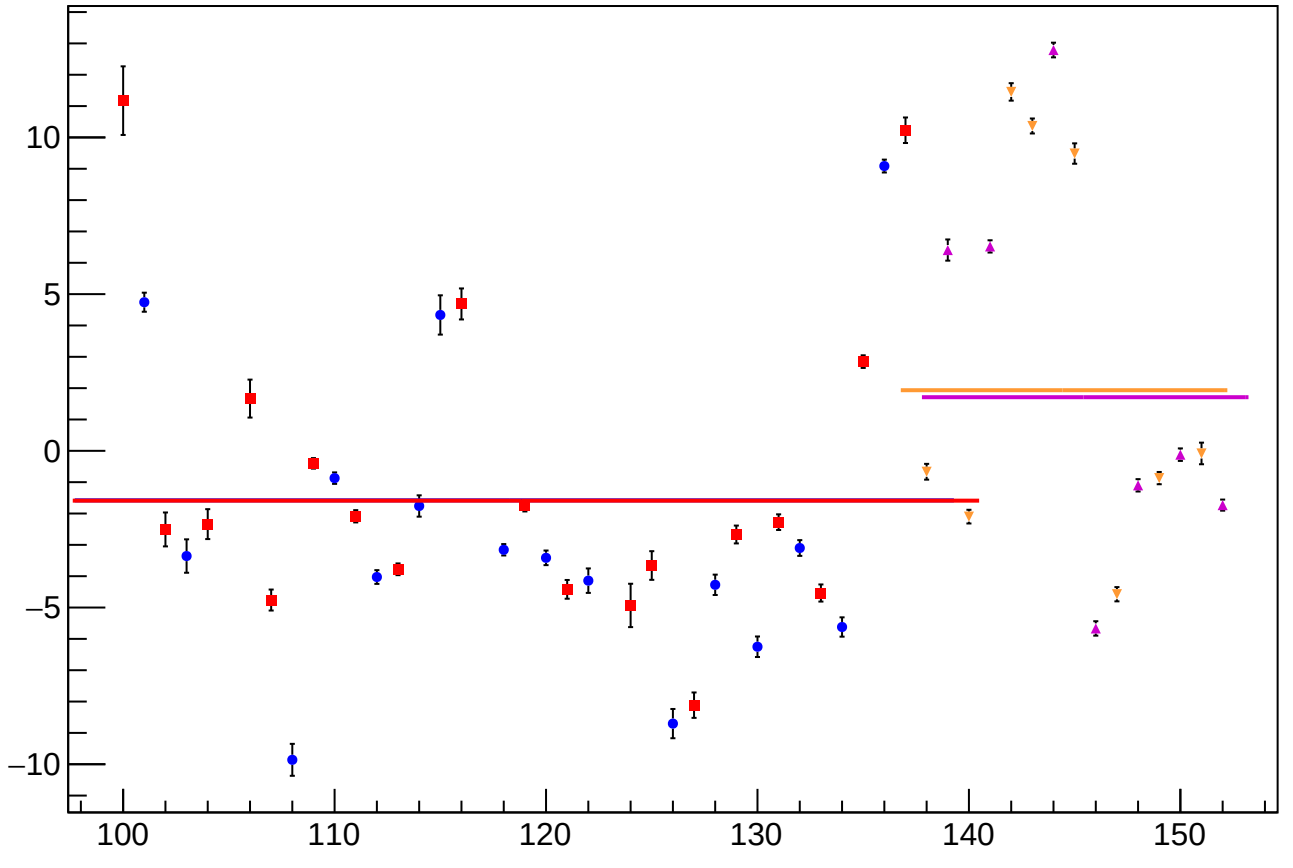
Left: -24.294+/-0.068 χ^2/NDF: 154140.4/14

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -1.849+/-0.053 χ^2/NDF:200065.1/22

Out: -4.396+/-0.051 χ^2/NDF:236604.9/26

All: -3.181+/-0.037 χ^2/NDF: 437875.1/49



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: 1.711+/-0.080 χ^2/NDF:4717.6/6

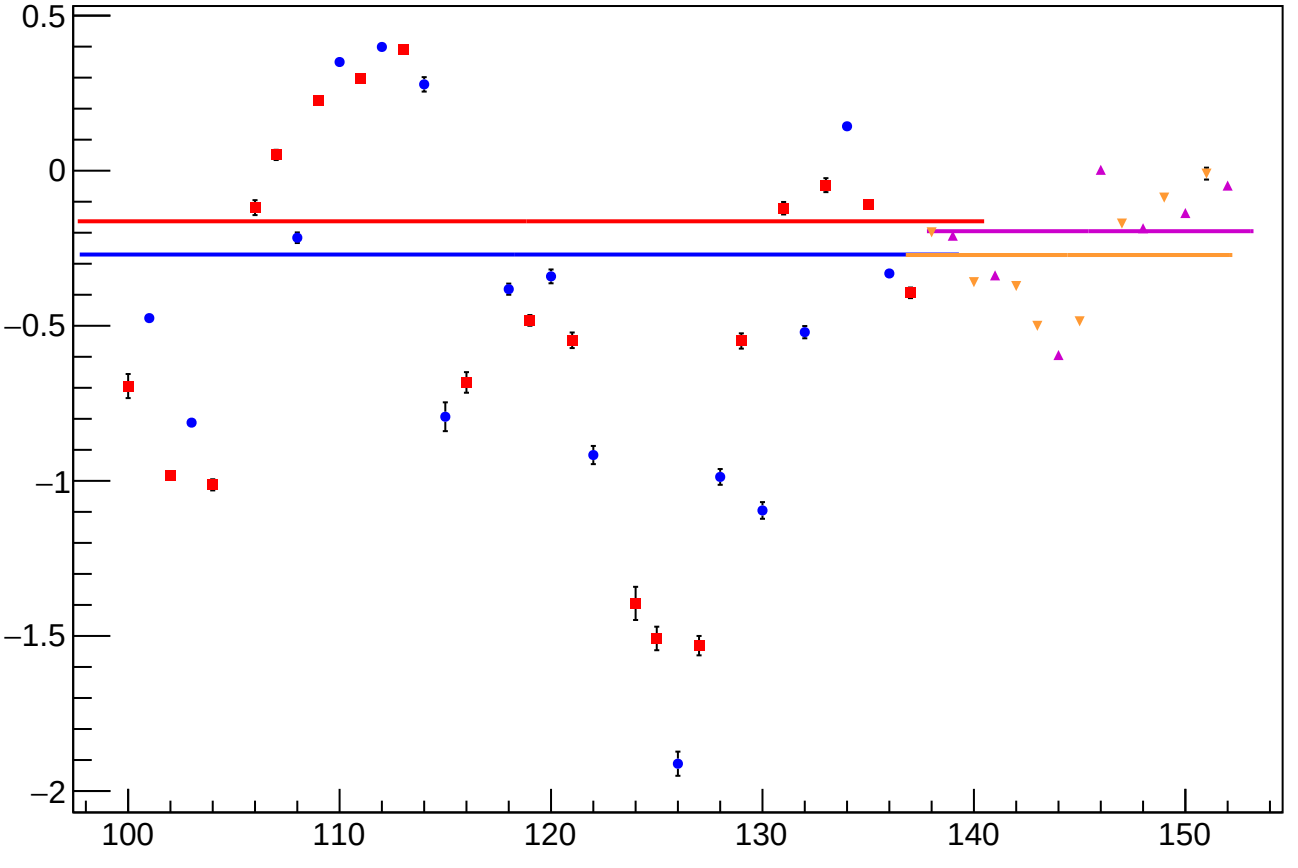
Left: 1.813+/-0.059 χ^2/NDF: 9176.0/14

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -0.179+/-0.052 χ^2/NDF:10203.9/22

Out: -0.357+/-0.052 χ^2/NDF:7979.3/26

All: -0.269+/-0.037 χ^2/NDF: 18189.0/49



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: -0.195+/-0.004 χ^2/NDF:1895.8/6

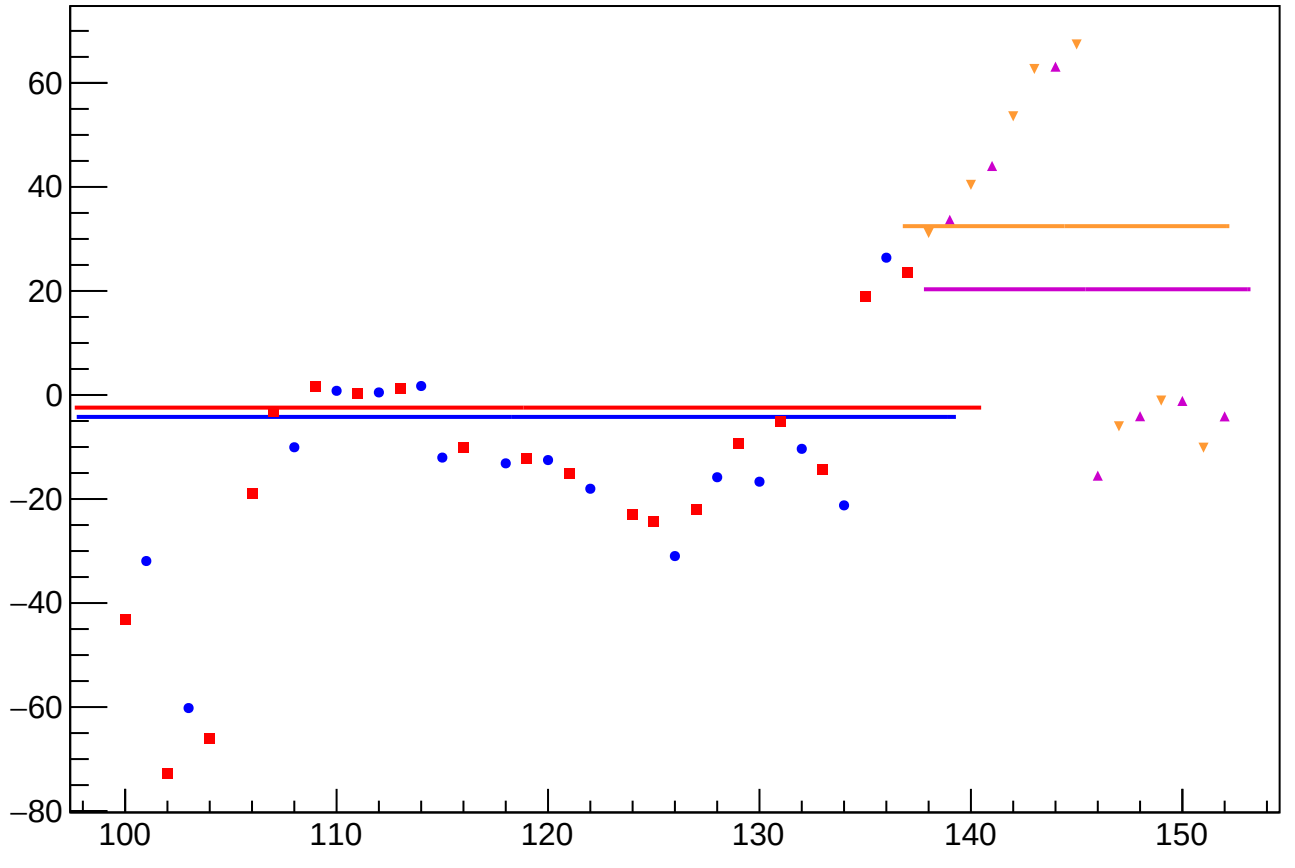
Left: -0.228+/-0.003 χ^2/NDF: 3490.8/14

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.227+/-0.003 χ^2/NDF:14122.4/22

Out: -0.213+/-0.003 χ^2/NDF:17285.0/26

All: -0.220+/-0.002 χ^2/NDF: 31420.4/49



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: 20.324+/-0.094 χ^2/NDF:77041.8/6

Left: 26.040+/-0.068 χ^2/NDF: 147039.0/14

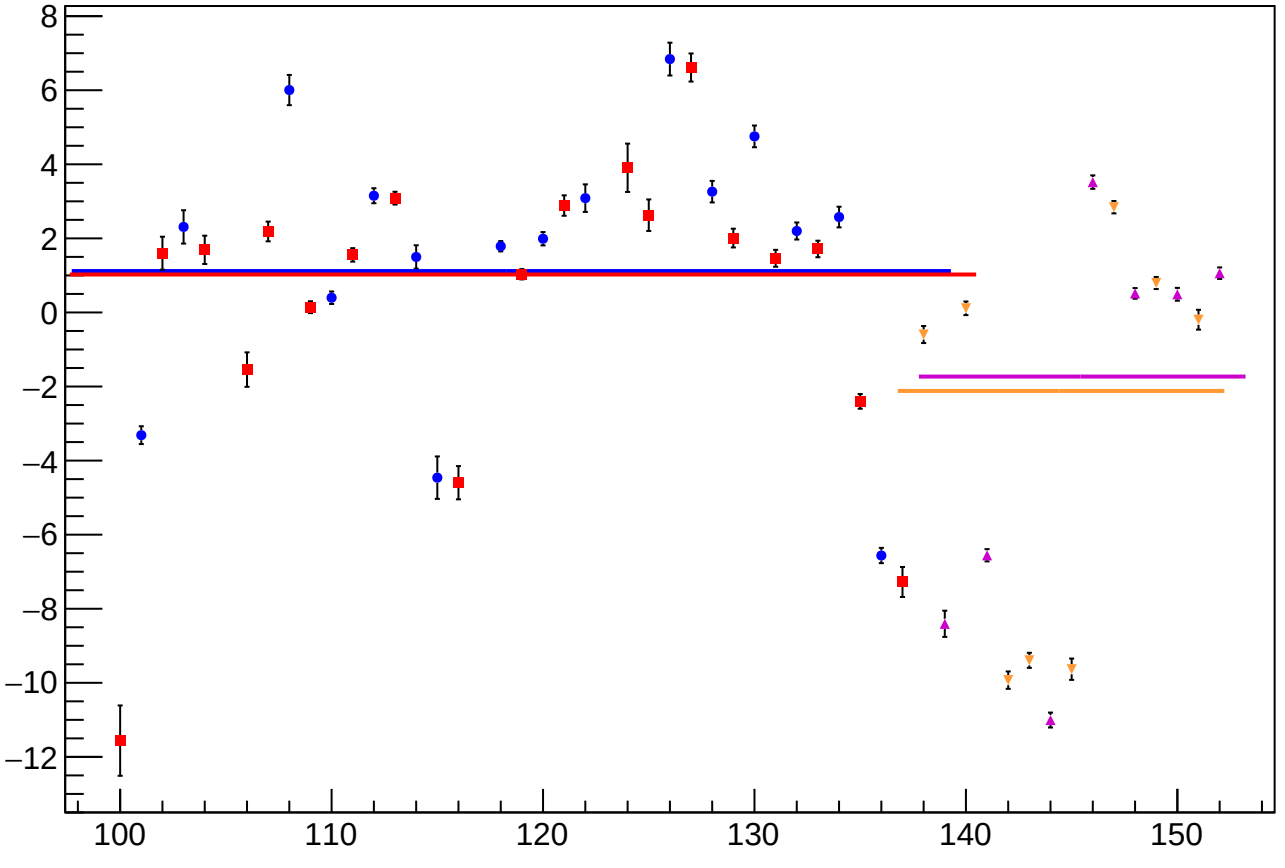
Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 1.987+/-0.047 χ^2/NDF:203099.7/22

Out: 3.736+/-0.042 χ^2/NDF:243703.8/26

All: 2.967+/-0.031 χ^2/NDF: 447569.1/49

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: -1.731+/-0.067 χ^2/NDF:4888.2/6

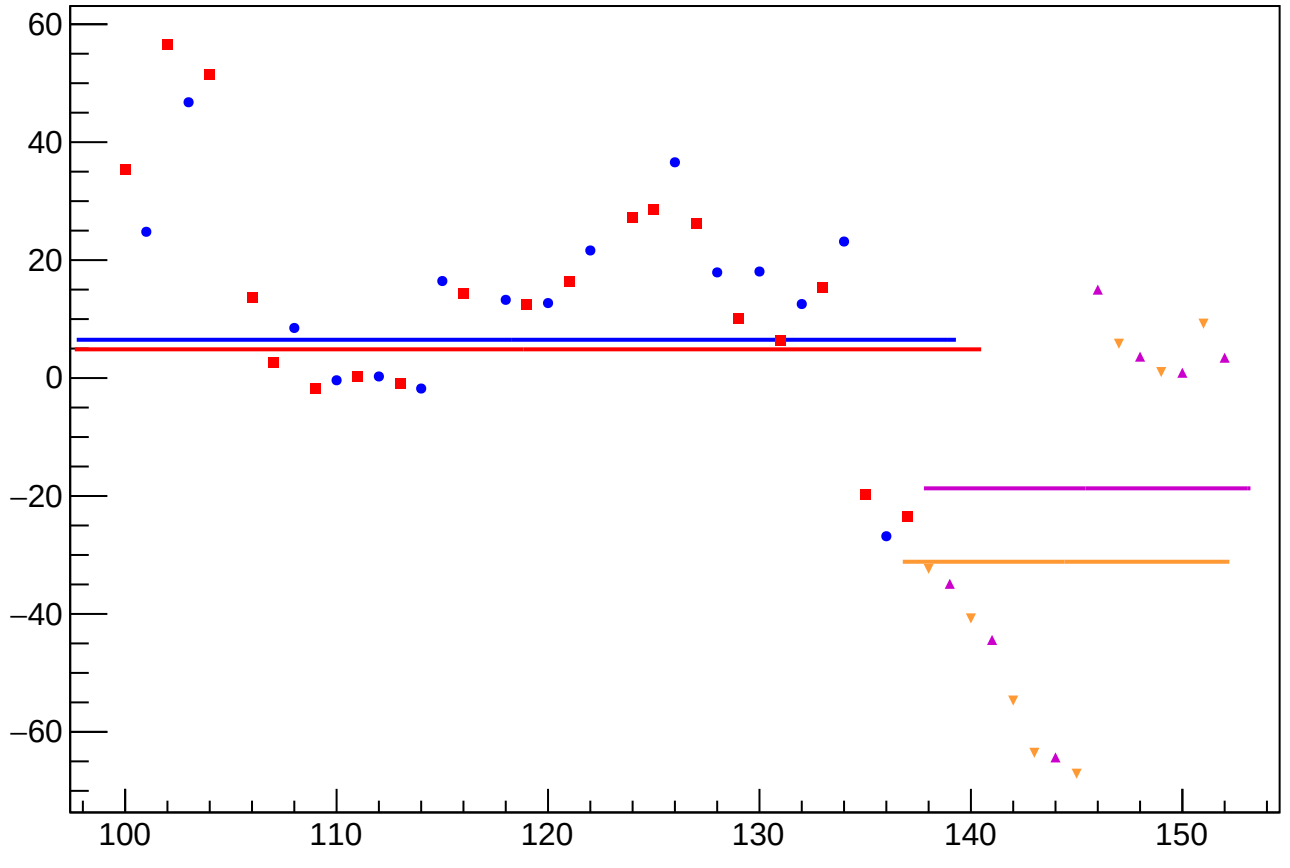
Left: -1.910+/-0.049 χ^2/NDF: 9403.7/14

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: -0.158+/-0.045 χ^2/NDF:8476.1/22

Out: -0.181+/-0.045 χ^2/NDF:7269.1/26

All: -0.170+/-0.032 χ^2/NDF: 15745.3/49



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: -18.702+/-0.093 χ^2/NDF:80180.1/6

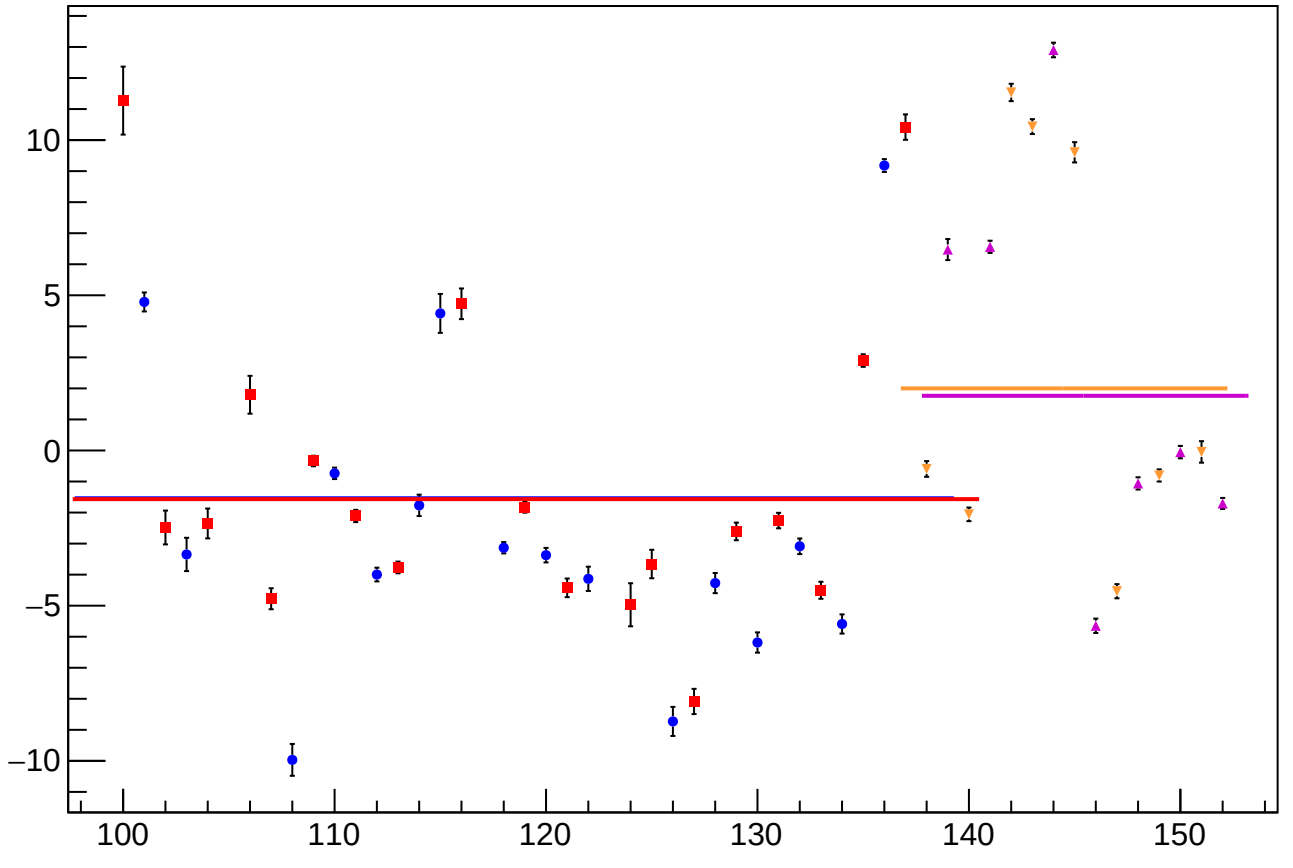
Left: -24.435+/-0.068 χ^2/NDF: 154419.8/14

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -1.867+/-0.053 χ^2/NDF:200307.6/22

Out: -4.454+/-0.051 χ^2/NDF:236998.8/26

All: -3.219+/-0.037 χ^2/NDF: 438536.2/49



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: 1.762+/-0.081 χ^2/NDF:4713.5/6

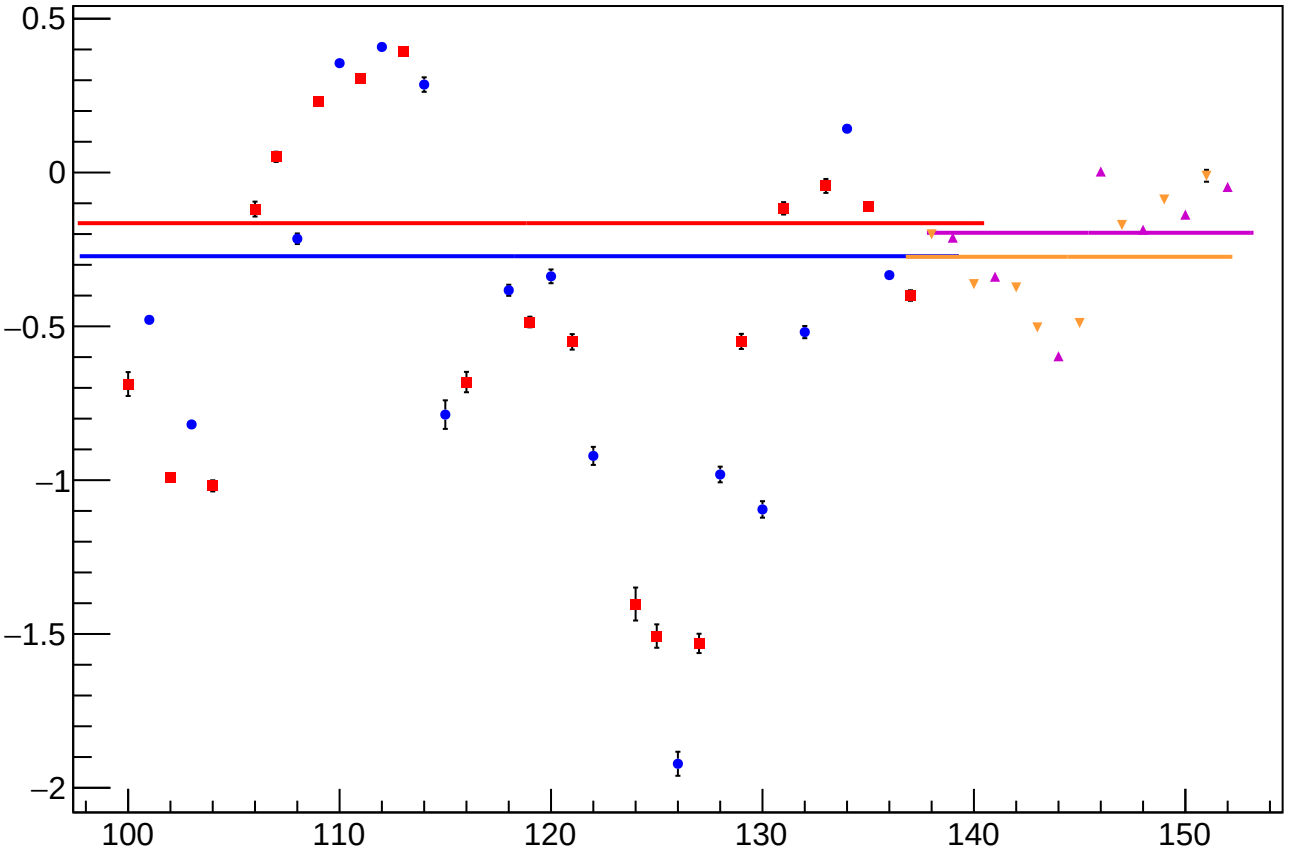
Left: 1.871+/-0.059 χ^2/NDF: 9160.5/14

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -0.134+/-0.053 χ^2/NDF:10208.7/22

Out: -0.317+/-0.052 χ^2/NDF:8009.2/26

All: -0.226+/-0.037 χ^2/NDF: 18224.0/49



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: -0.196+/-0.004 χ^2/NDF:1904.1/6

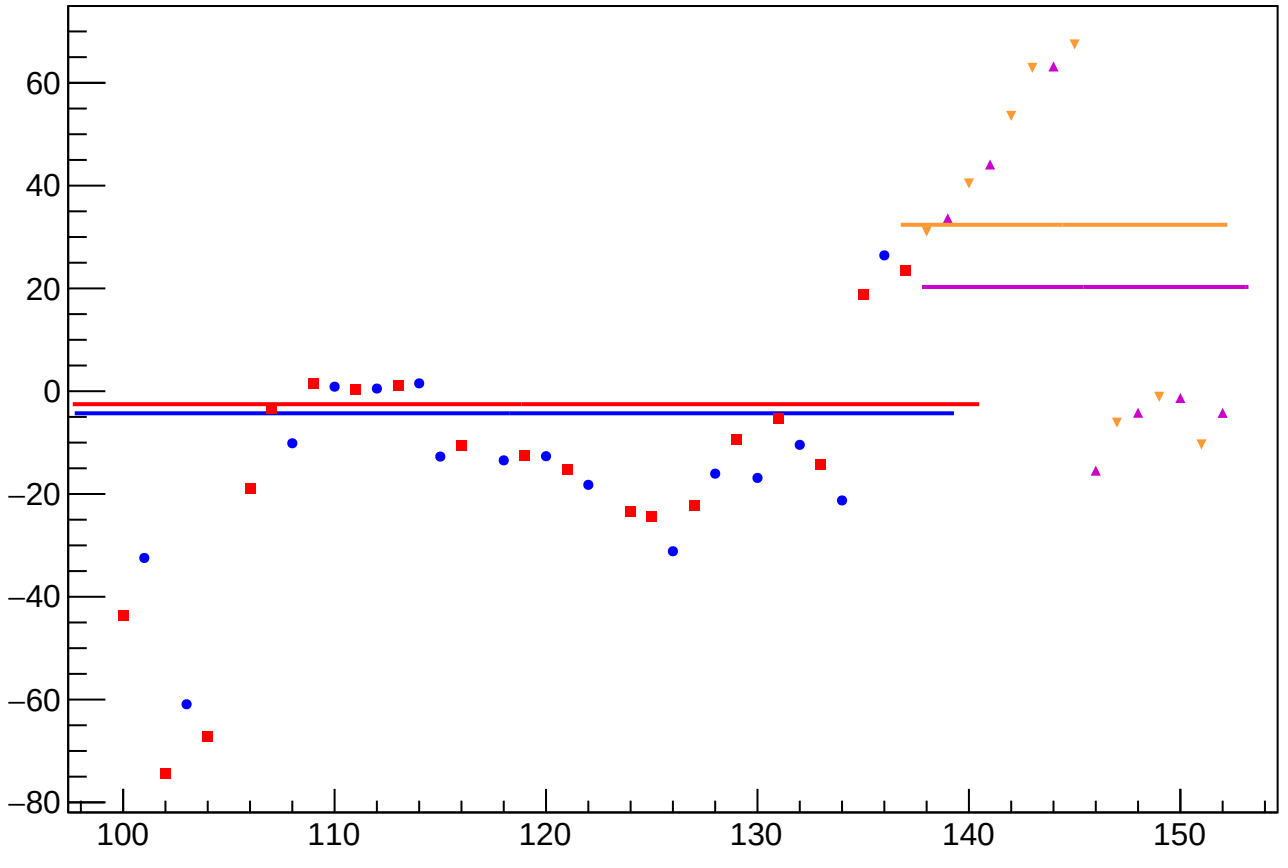
Left: -0.229+/-0.003 χ^2/NDF: 3509.5/14

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

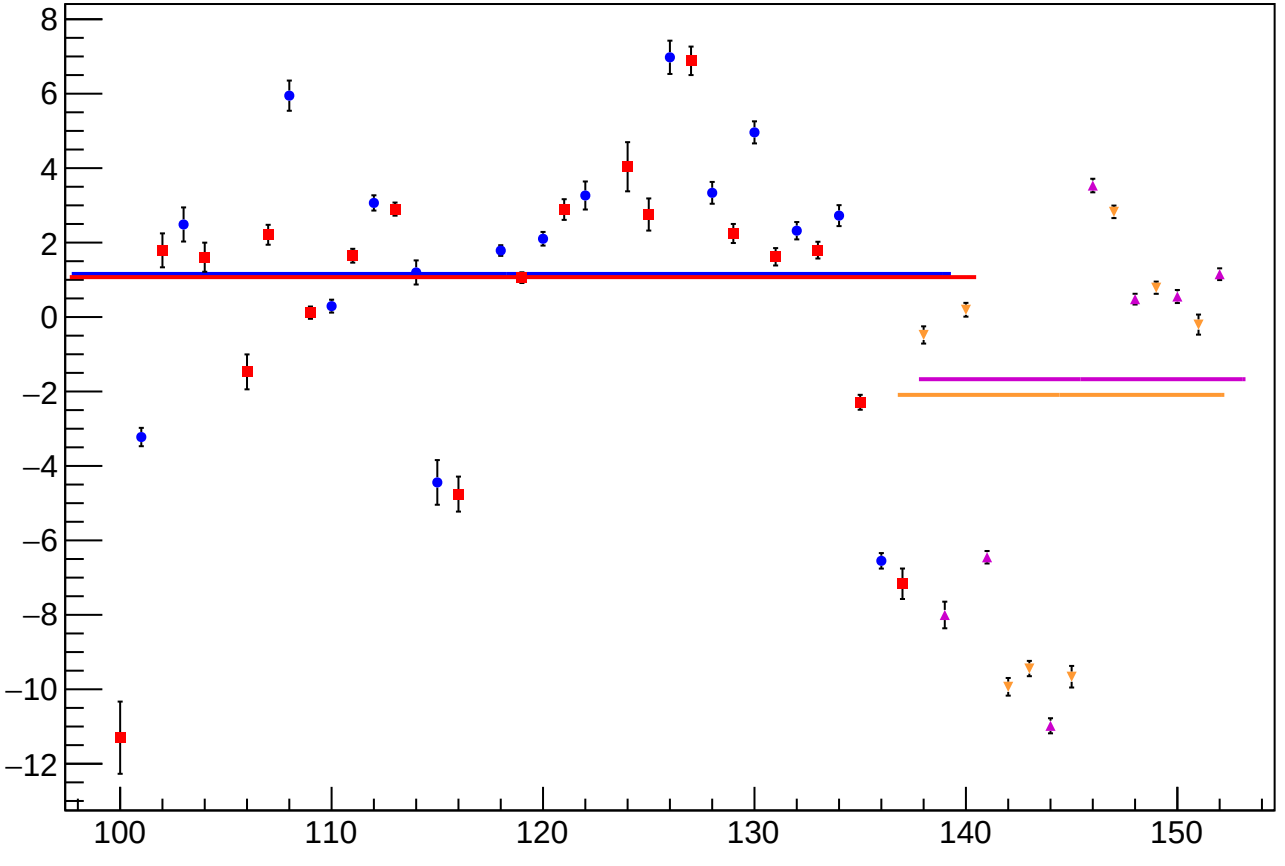
In: -0.228+/-0.003 χ^2/NDF:14160.8/22

Out: -0.215+/-0.003 χ^2/NDF:17271.2/26

All: -0.222+/-0.002 χ^2/NDF: 31443.6/49


reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -4.296+/-0.056 χ²/NDF: 74218.3/15
Left Out: 32.382+/-0.100 χ²/NDF:61693.9/7
Right Out: -2.524+/-0.047 χ²/NDF: 79883.8/18
Left In: 20.280+/-0.095 χ²/NDF:75950.9/6
Left: 25.995+/-0.069 χ²/NDF: 145300.0/14
Right: -3.265+/-0.036 χ²/NDF: 154689.9/34
In: 1.992+/-0.048 χ²/NDF:199917.4/22
Out: 3.792+/-0.043 χ²/NDF:240415.0/26
All: 2.997+/-0.032 χ²/NDF: 441114.7/49

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: -1.670+/-0.068 χ^2/NDF:4741.7/6

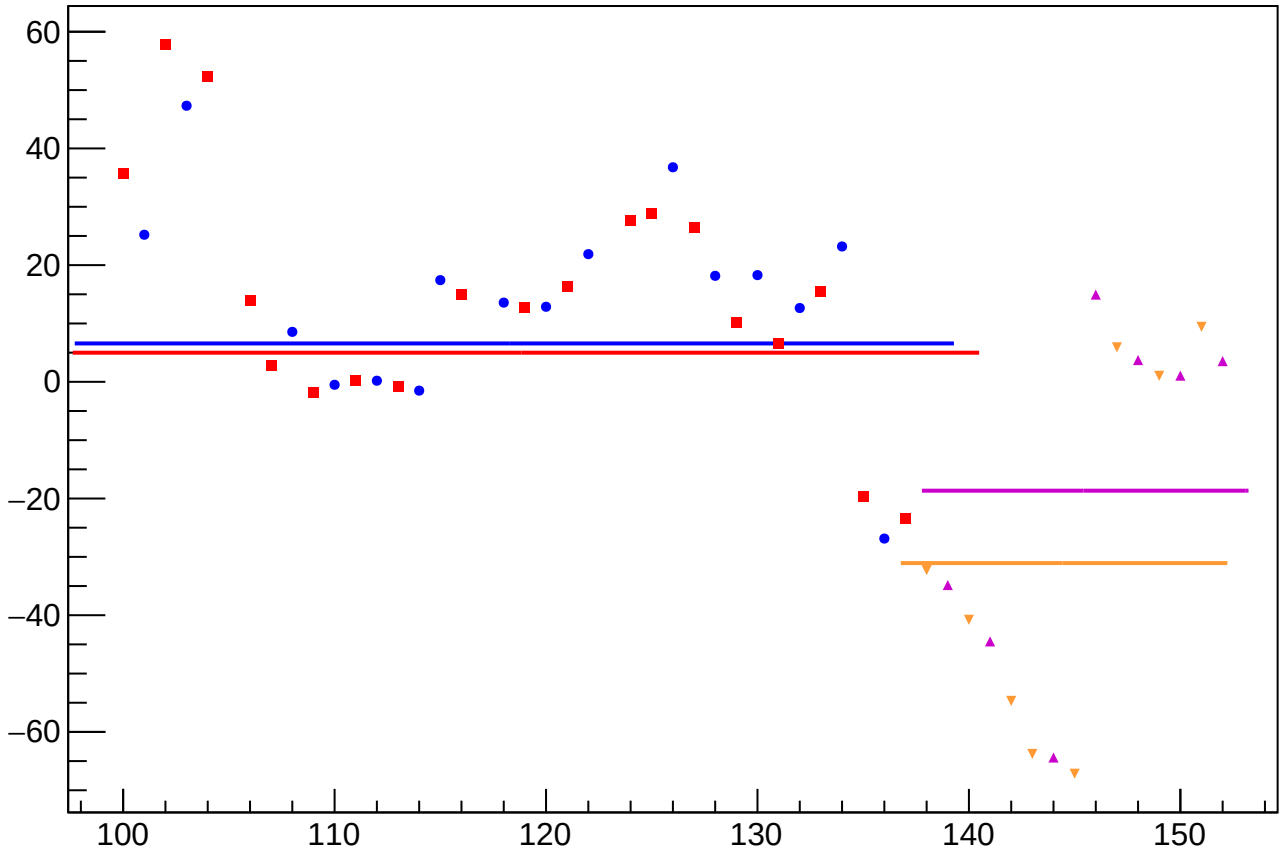
Left: -1.864+/-0.050 χ^2/NDF: 9220.2/14

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: -0.121+/-0.046 χ^2/NDF:8247.0/22

Out: -0.159+/-0.046 χ^2/NDF:7155.8/26

All: -0.140+/-0.032 χ^2/NDF: 15403.2/49



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: -18.657+/-0.094 χ^2/NDF:79017.7/6

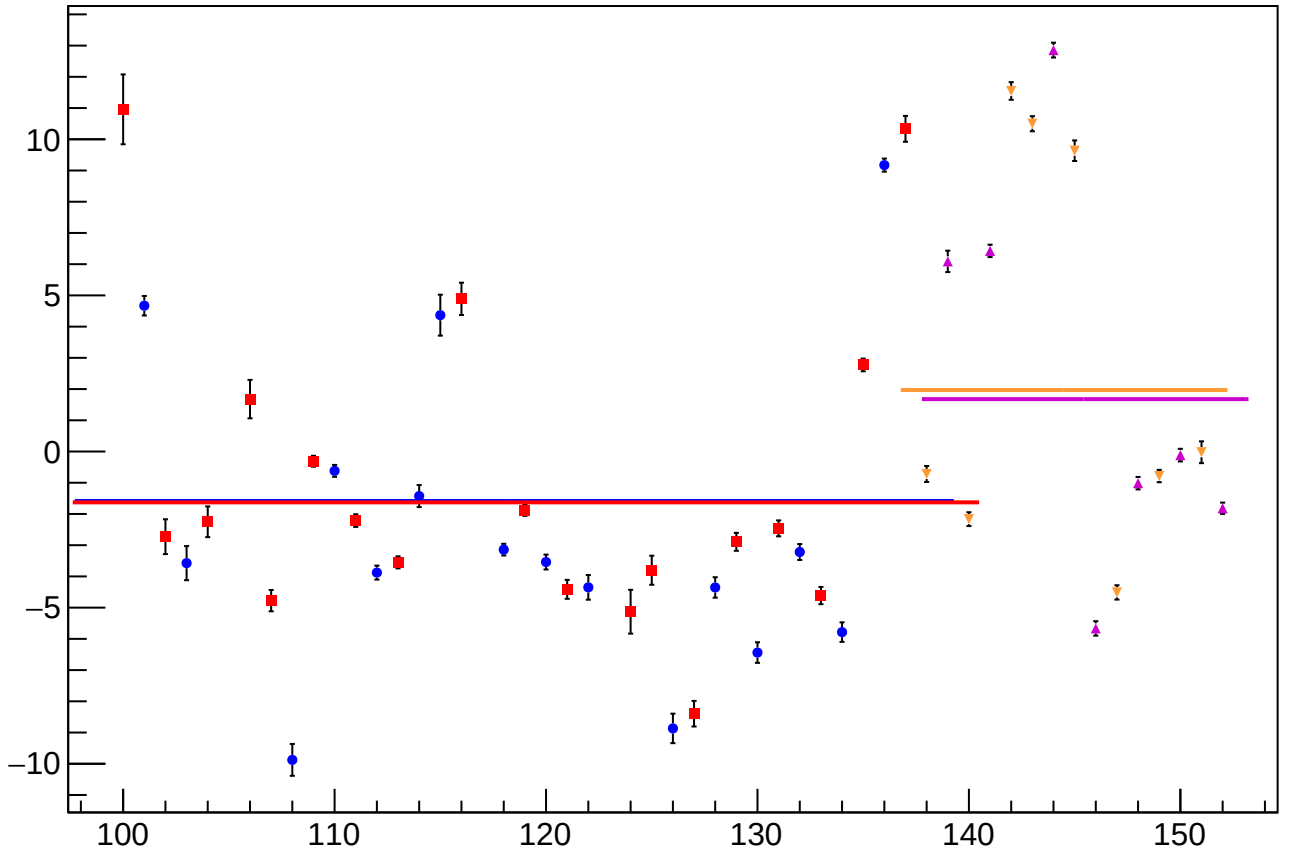
Left: -24.387+/-0.069 χ^2/NDF: 152520.3/14

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -1.878+/-0.054 χ^2/NDF:197152.4/22

Out: -4.517+/-0.052 χ^2/NDF:233758.7/26

All: -3.255+/-0.037 χ^2/NDF: 432151.4/49



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: 1.678+/-0.082 χ^2/NDF:4581.5/6

Left: 1.812+/-0.060 χ^2/NDF: 9000.0/14

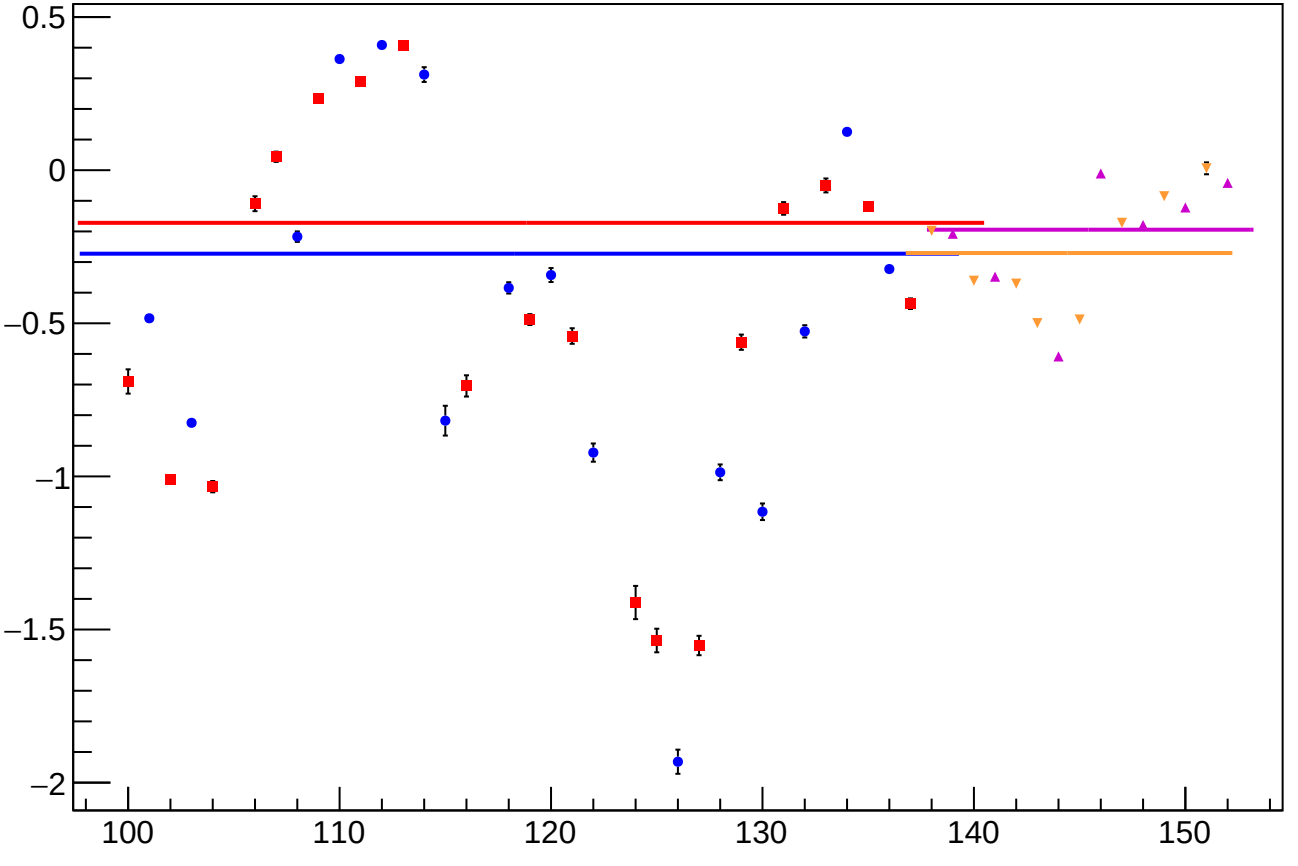
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -0.184+/-0.053 χ^2/NDF:9967.0/22

Out: -0.348+/-0.053 χ^2/NDF:7897.0/26

All: -0.267+/-0.038 χ^2/NDF: 17868.8/49

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.271+/-0.004 χ^2/NDF:1394.9/7

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.194+/-0.004 χ^2/NDF:1970.0/6

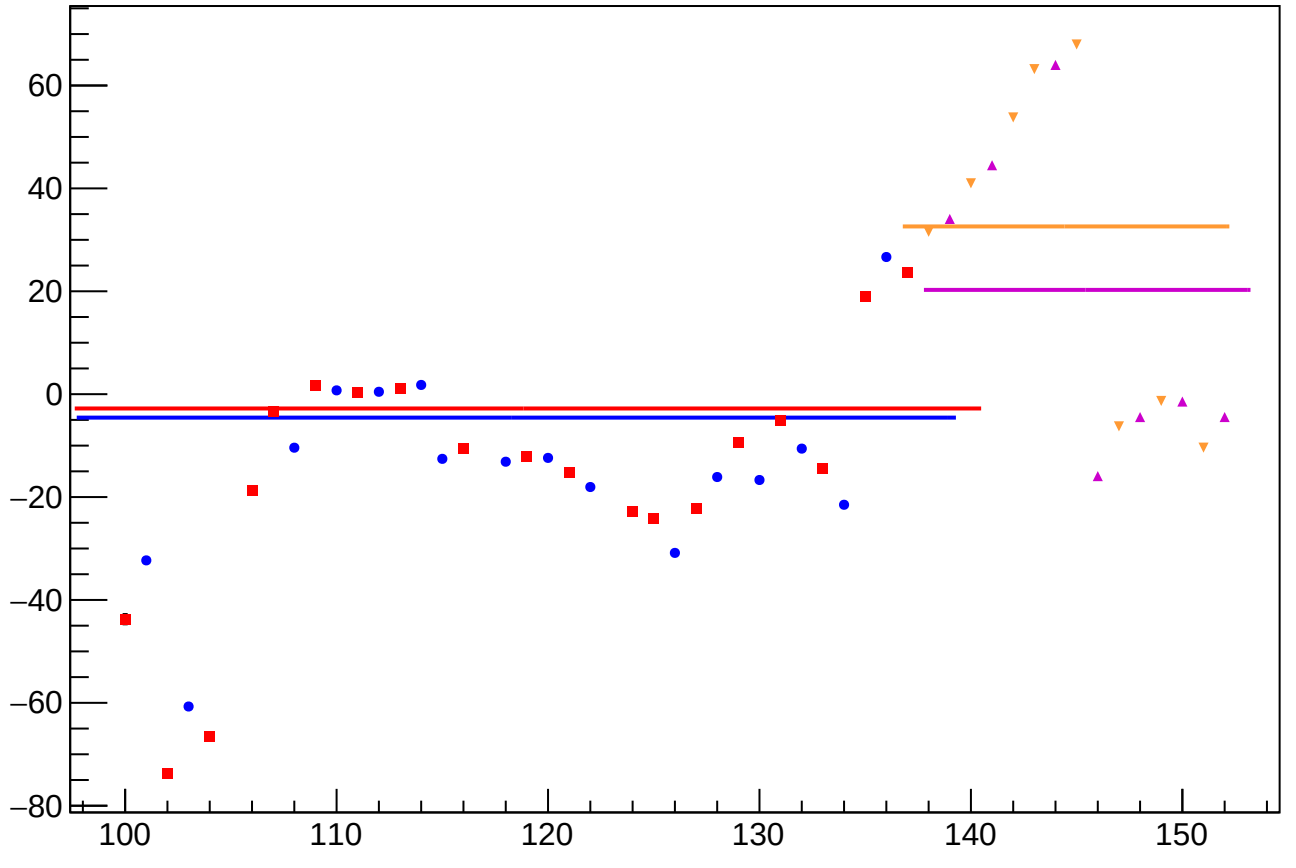
Left: -0.227+/-0.003 χ^2/NDF: 3556.9/14

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.227+/-0.003 χ^2/NDF:14025.1/22

Out: -0.218+/-0.003 χ^2/NDF:17019.8/26

All: -0.223+/-0.002 χ^2/NDF: 31050.9/49



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: 20.271+/-0.097 χ^2/NDF:75774.3/6

Left: 26.081+/-0.070 χ^2/NDF: 144594.1/14

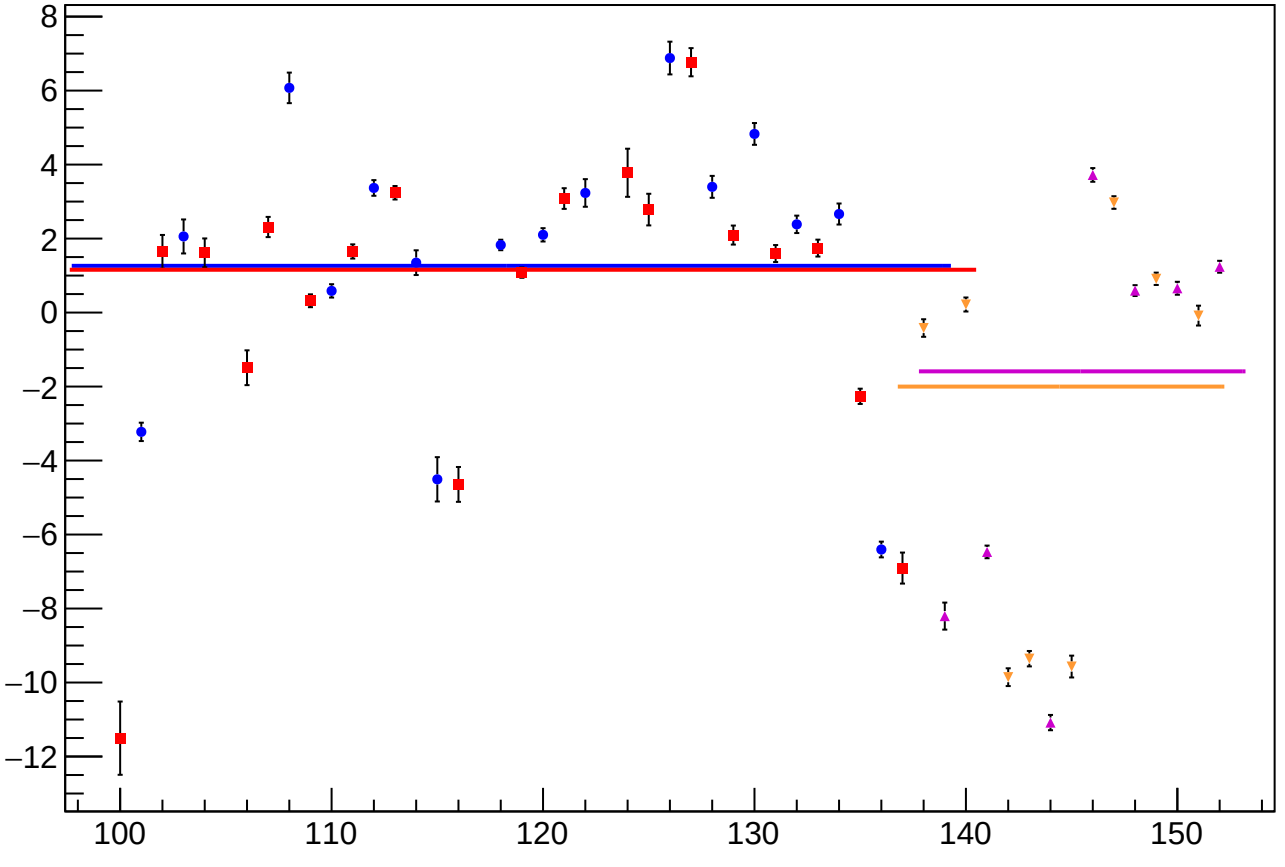
Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 1.821+/-0.049 χ^2/NDF:197486.8/22

Out: 3.709+/-0.044 χ^2/NDF:236618.6/26

All: 2.869+/-0.033 χ^2/NDF: 434931.2/49

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -2.001+/-0.074 χ^2/NDF:4359.7/7

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: -1.589+/-0.069 χ^2/NDF:4765.5/6

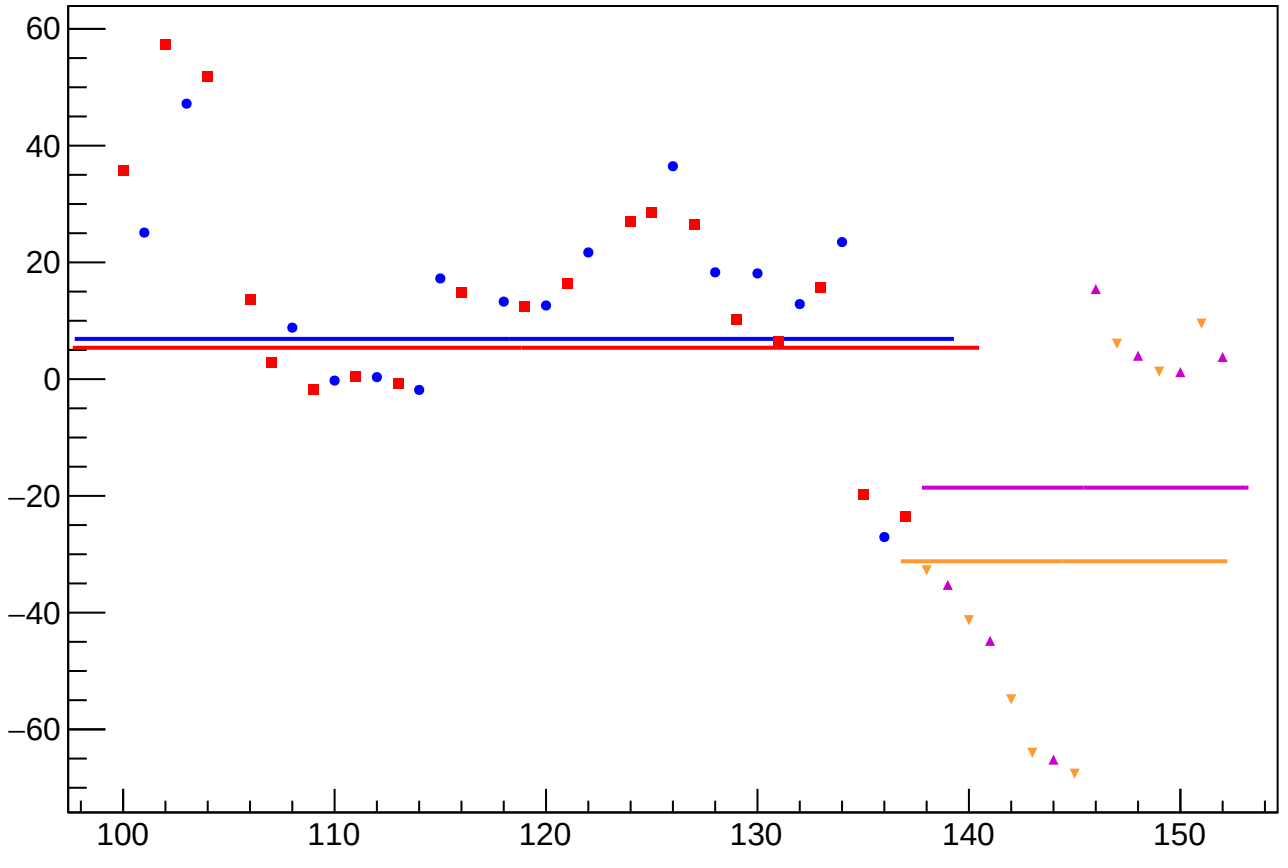
Left: -1.779+/-0.050 χ^2/NDF: 9141.8/14

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: -0.018+/-0.046 χ^2/NDF:8158.5/22

Out: -0.068+/-0.046 χ^2/NDF:6958.2/26

All: -0.043+/-0.033 χ^2/NDF: 15117.3/49



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: -18.587+/-0.095 χ^2/NDF:78744.8/6

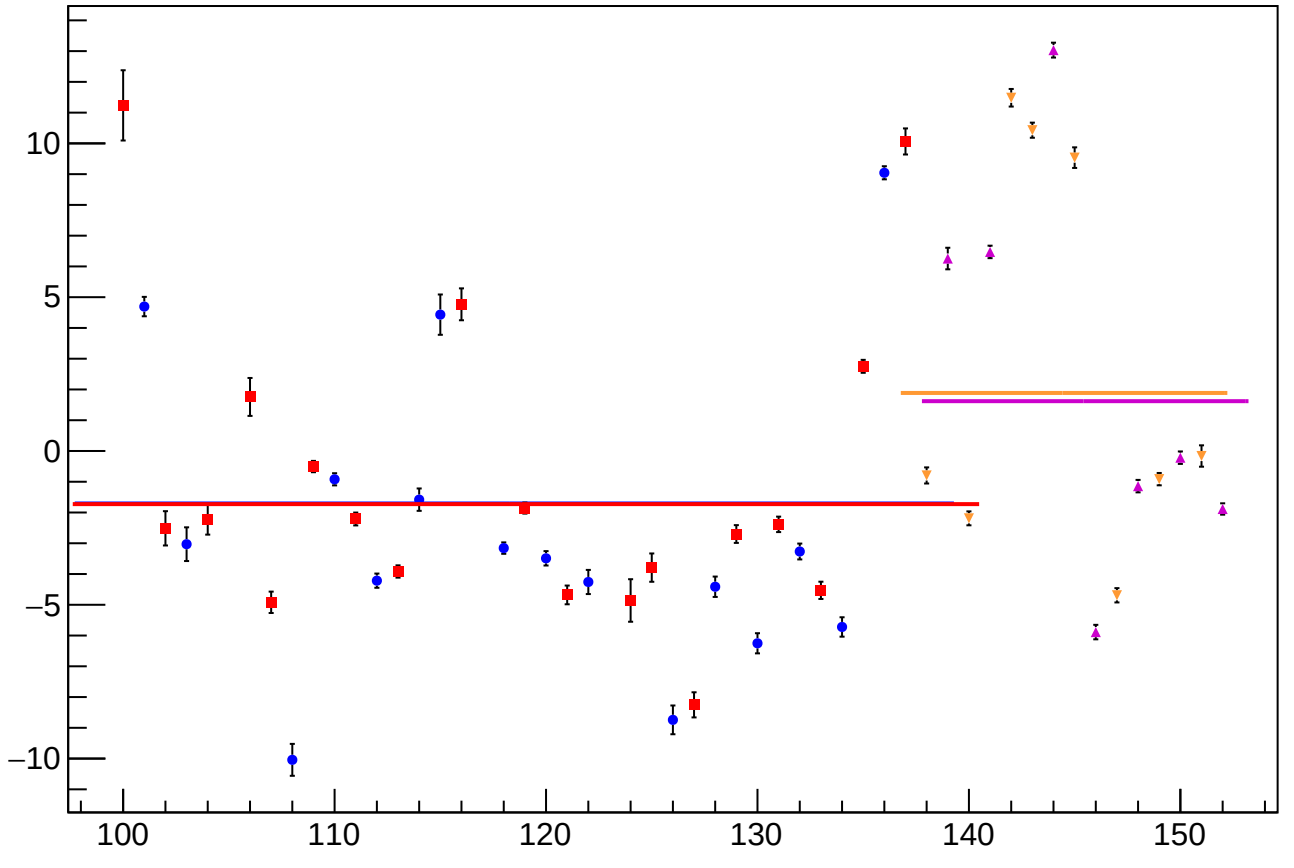
Left: -24.401+/-0.070 χ^2/NDF: 151640.8/14

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -1.627+/-0.055 χ^2/NDF:194645.7/22

Out: -4.305+/-0.053 χ^2/NDF:230126.9/26

All: -3.017+/-0.038 χ^2/NDF: 426005.5/49



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: 1.619+/-0.083 χ^2/NDF:4615.8/6

Left: 1.742+/-0.061 χ^2/NDF: 8935.1/14

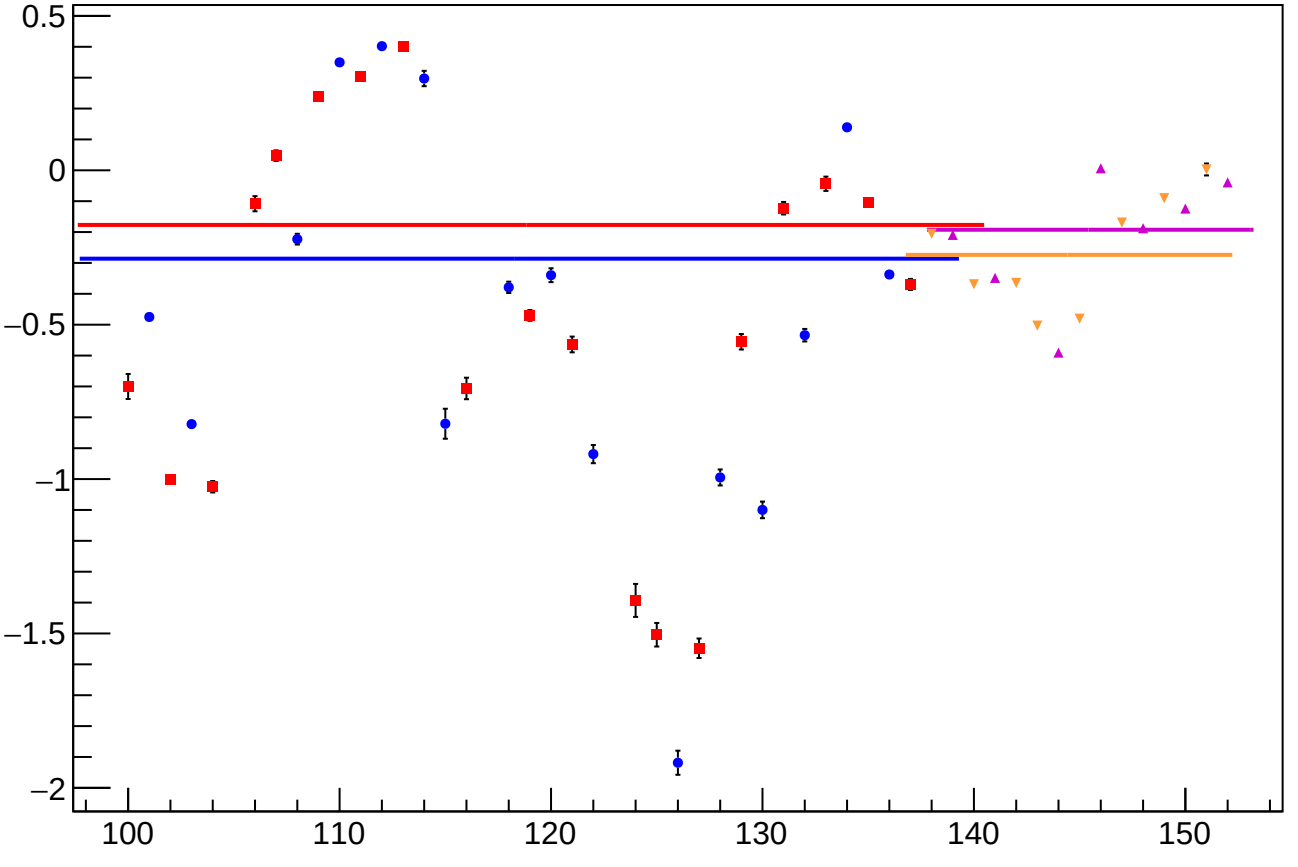
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -0.286+/-0.054 χ^2/NDF:9829.3/22

Out: -0.443+/-0.054 χ^2/NDF:7663.0/26

All: -0.365+/-0.038 χ^2/NDF: 17496.5/49

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: -0.193+/-0.004 χ^2/NDF:1861.6/6

Left: -0.228+/-0.003 χ^2/NDF: 3400.8/14

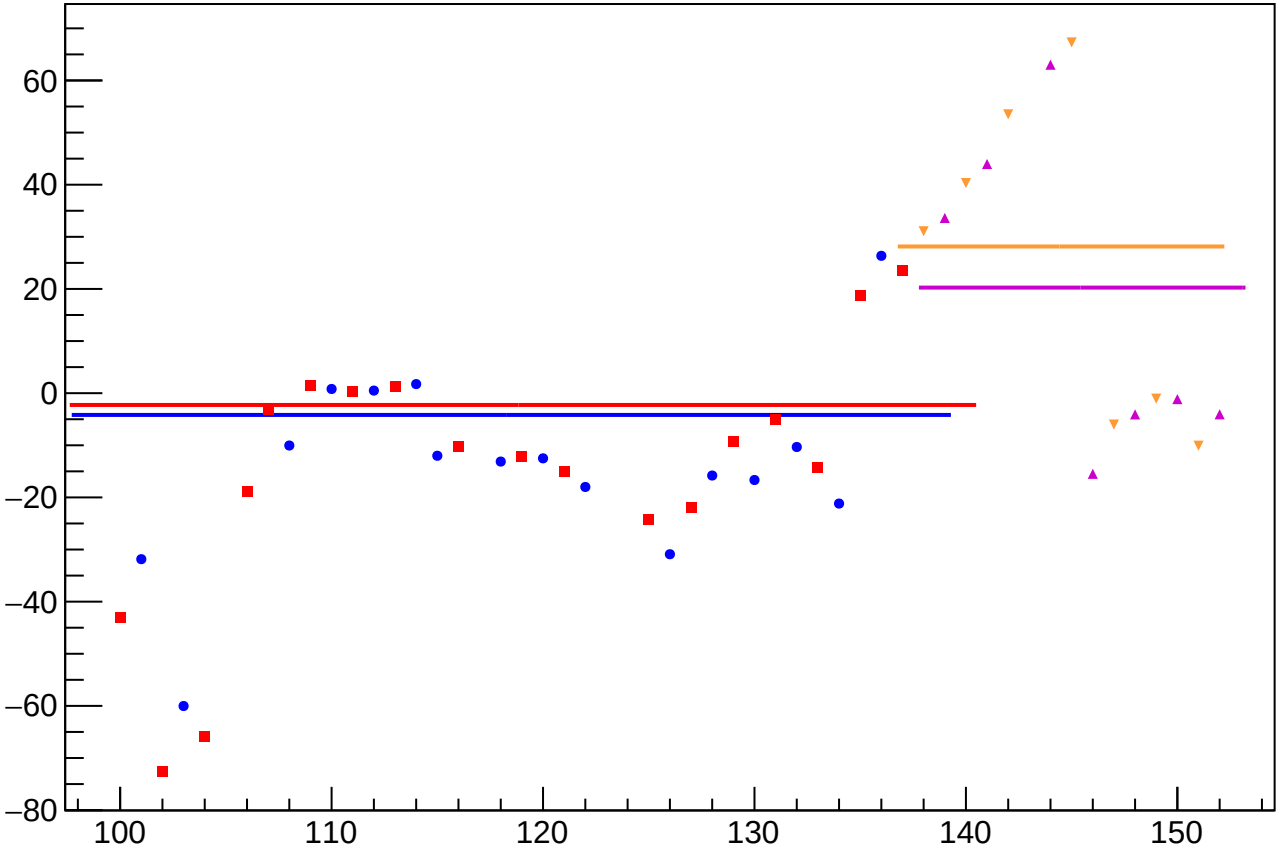
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.232+/-0.003 χ^2/NDF:13498.7/22

Out: -0.222+/-0.003 χ^2/NDF:16376.8/26

All: -0.227+/-0.002 χ^2/NDF: 29881.8/49

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: 20.256+/-0.094 χ^2/NDF:77250.3/6

Left: 23.711+/-0.070 χ^2/NDF: 129572.0/13

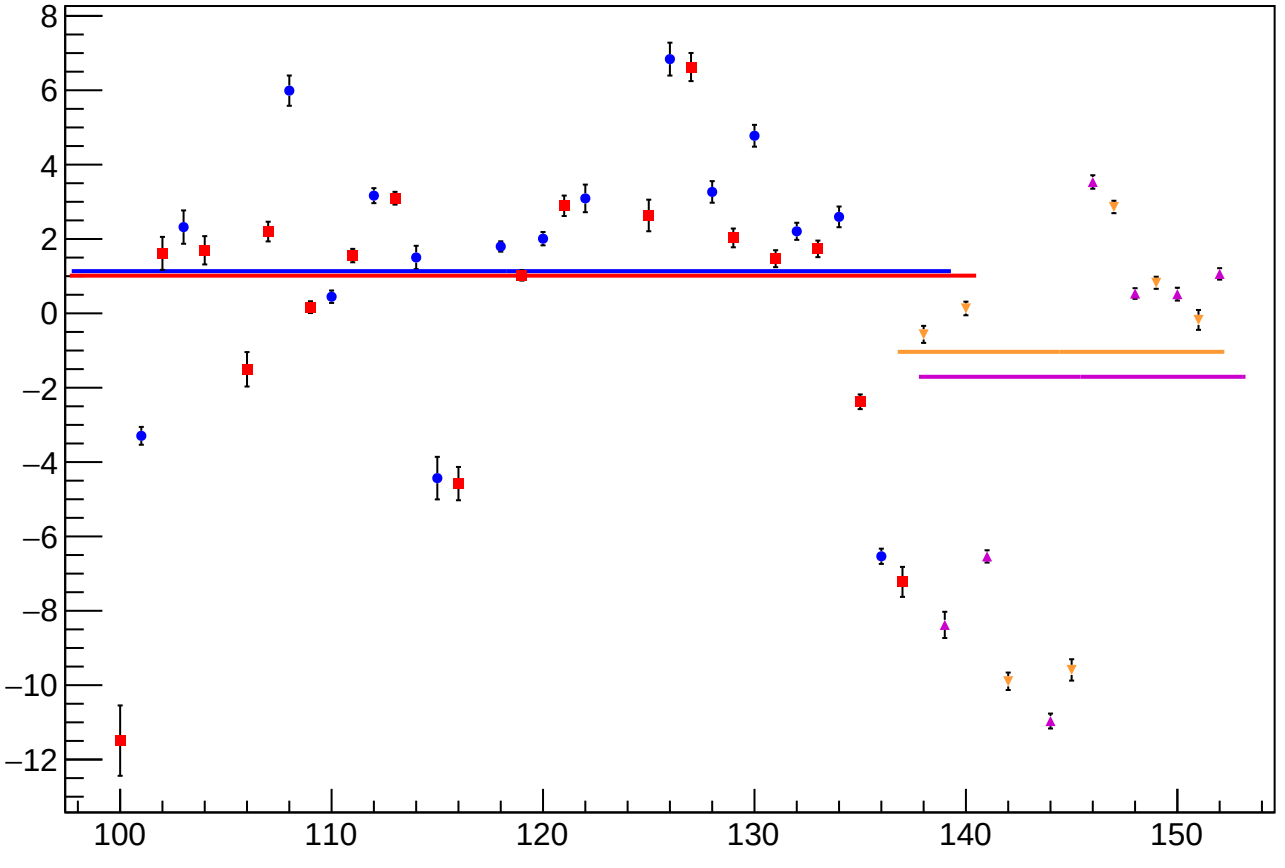
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 1.990+/-0.047 χ^2/NDF:203430.4/22

Out: 2.549+/-0.042 χ^2/NDF:197843.6/24

All: 2.300+/-0.031 χ^2/NDF: 401351.9/47

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: -1.706+/-0.067 χ^2/NDF:4901.2/6

Left: -1.420+/-0.051 χ^2/NDF: 7988.5/13

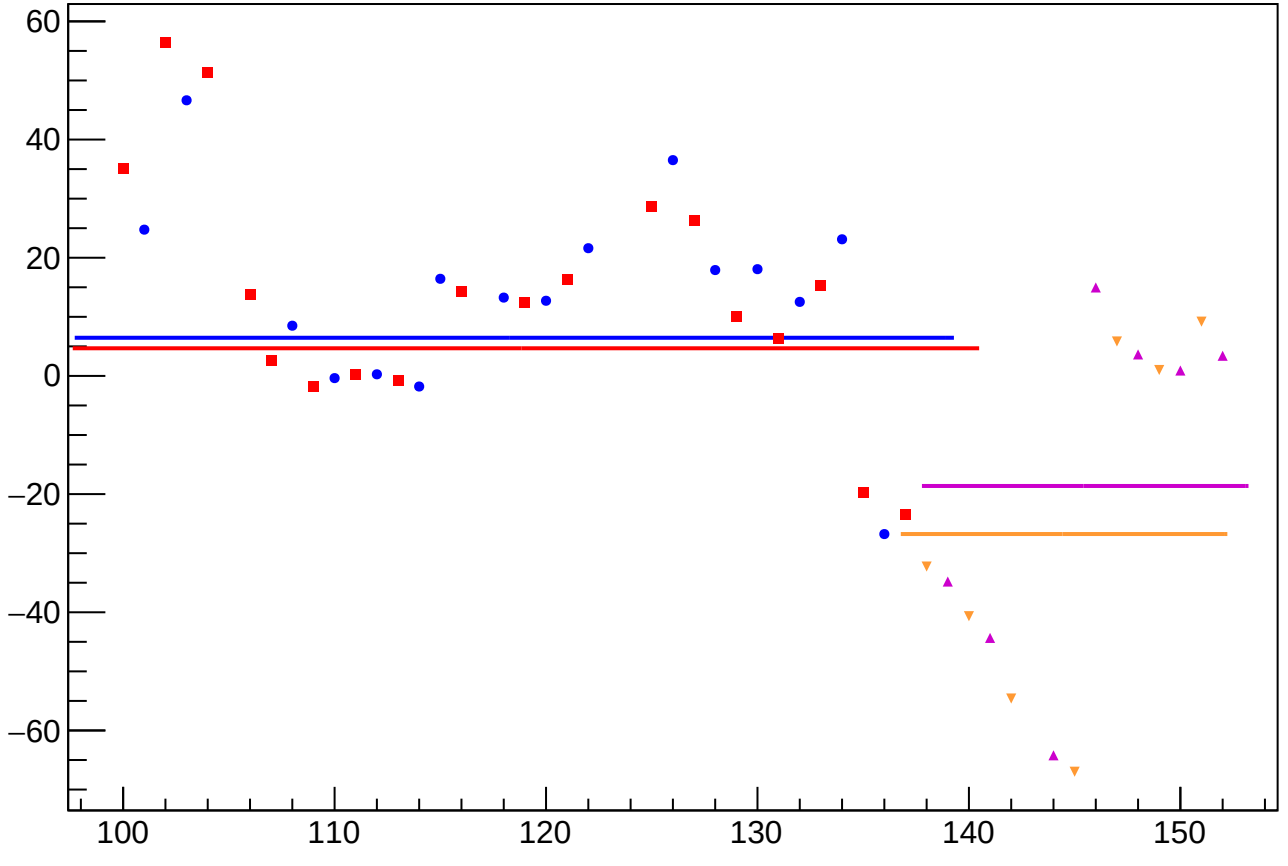
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: -0.138+/-0.045 χ^2/NDF:8495.3/22

Out: 0.291+/-0.046 χ^2/NDF:5090.0/24

All: 0.071+/-0.032 χ^2/NDF: 13630.0/47

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -26.757+/-0.106 χ^2/NDF:51934.6/6

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -18.625+/-0.092 χ^2/NDF:80386.2/6

Left: -22.114+/-0.070 χ^2/NDF: 135657.7/13

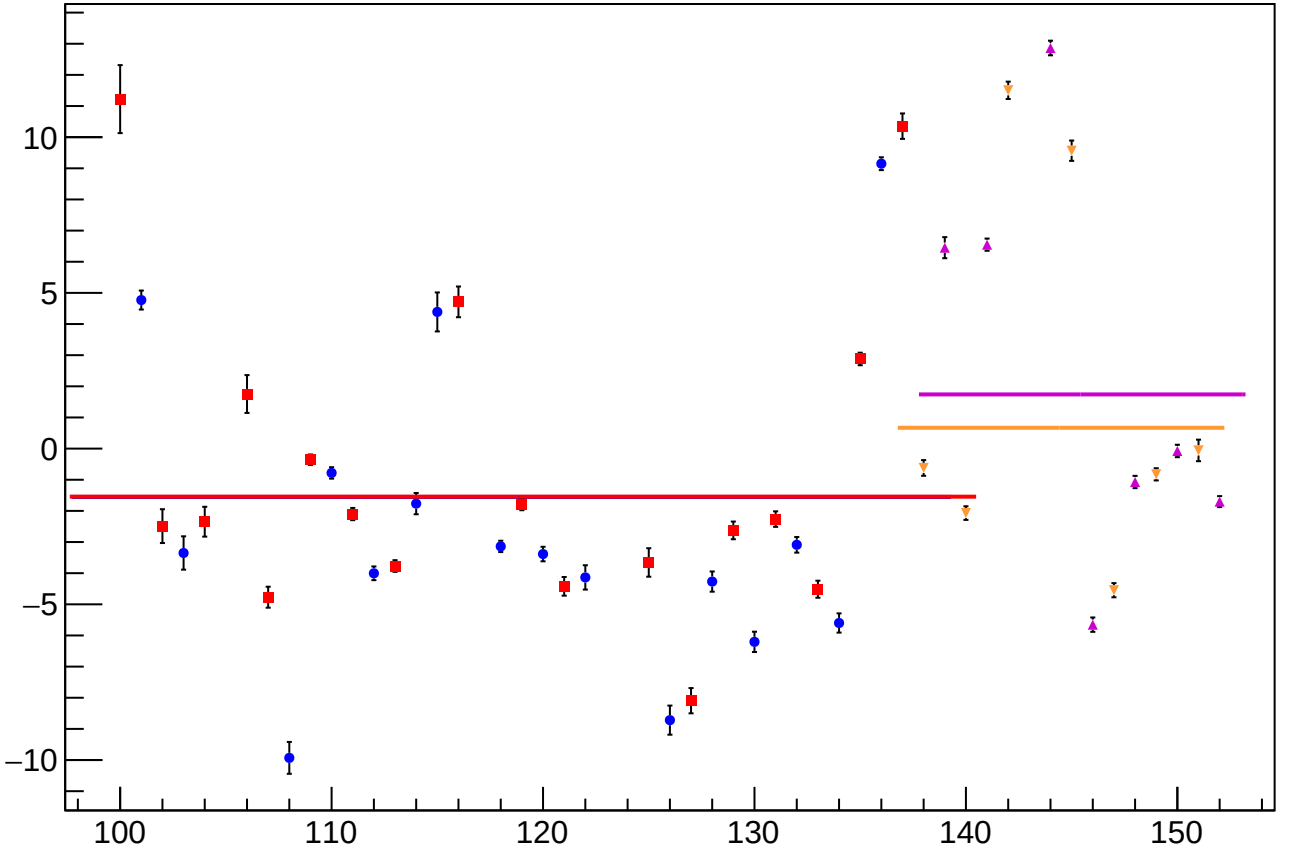
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -1.860+/-0.053 χ^2/NDF:200621.5/22

Out: -2.735+/-0.052 χ^2/NDF:193080.9/24

All: -2.310+/-0.037 χ^2/NDF: 393841.8/47

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: 1.740+/-0.080 χ^2/NDF:4724.5/6

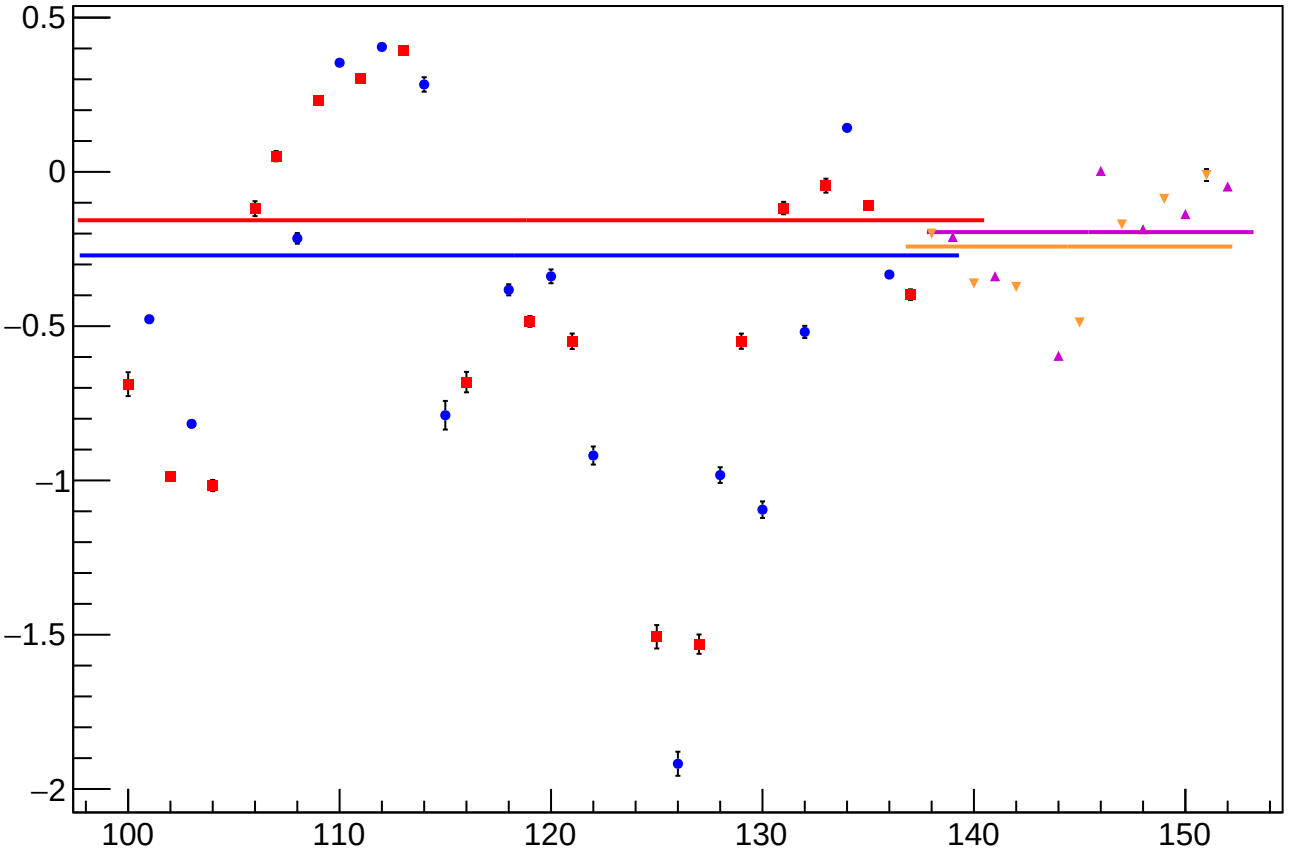
Left: 1.289+/-0.061 χ^2/NDF: 7819.4/13

Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -0.150+/-0.053 χ^2/NDF:10228.9/22

Out: -0.837+/-0.053 χ^2/NDF:5867.8/24

All: -0.488+/-0.037 χ^2/NDF: 16181.1/47



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: -0.195+/-0.004 χ^2/NDF:1909.0/6

Left: -0.214+/-0.003 χ^2/NDF: 2953.1/13

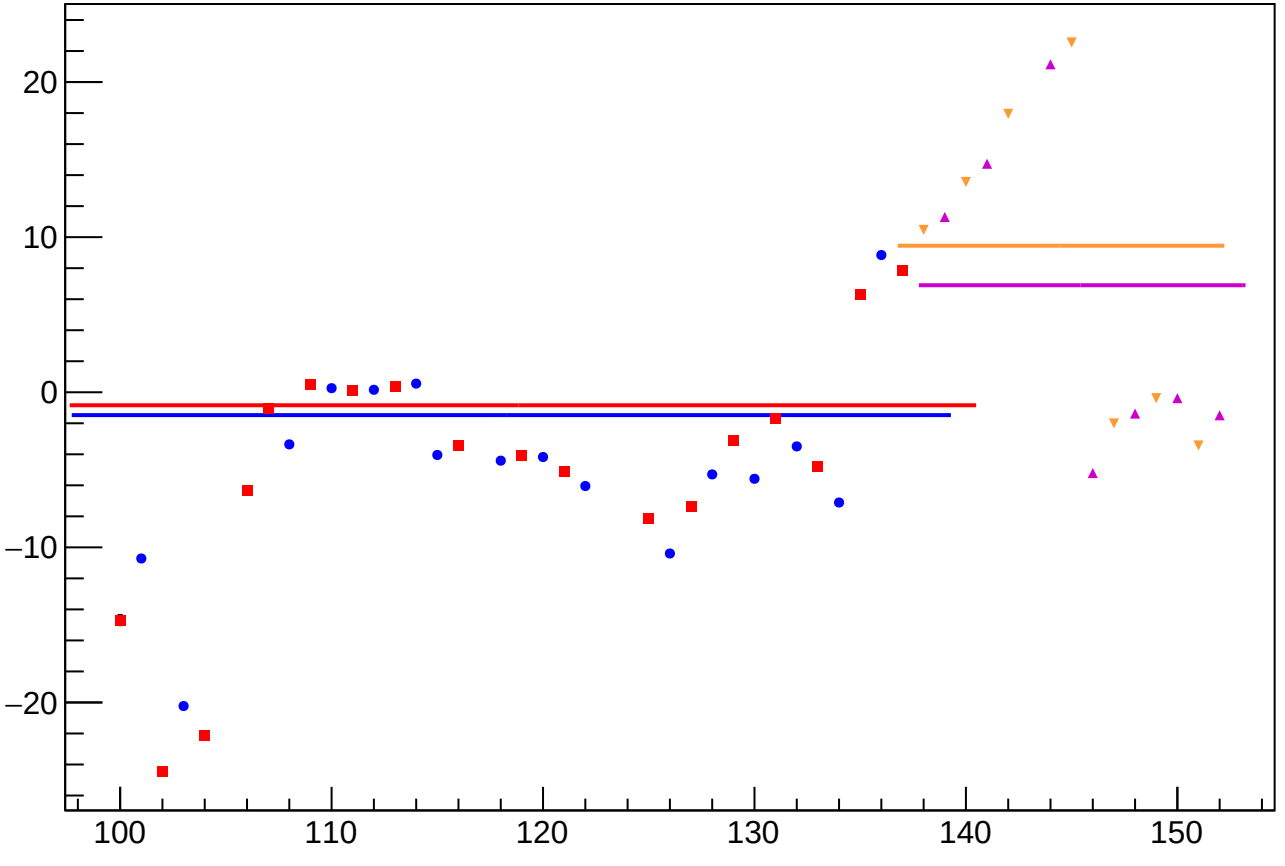
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.227+/-0.003 χ^2/NDF:14196.5/22

Out: -0.193+/-0.003 χ^2/NDF:16210.6/24

All: -0.211+/-0.002 χ^2/NDF: 30481.3/47

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: 6.900+/-0.032 χ^2/NDF:75188.8/6

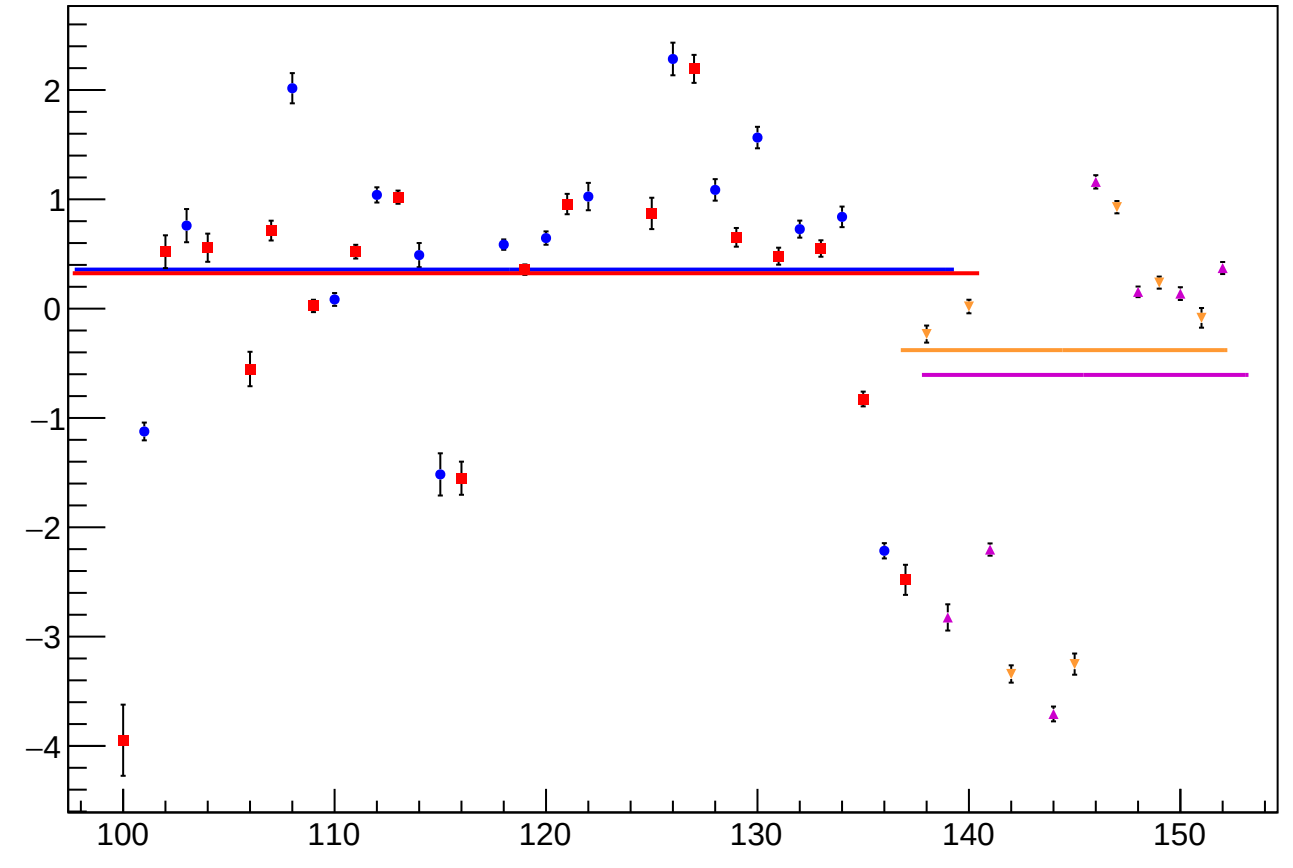
Left: 8.025+/-0.024 χ^2/NDF: 126643.3/13

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.661+/-0.016 χ^2/NDF:199834.6/22

Out: 0.862+/-0.015 χ^2/NDF:194717.7/24

All: 0.771+/-0.011 χ^2/NDF: 394636.3/47



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -0.380+/-0.026 χ^2/NDF:2993.8/6

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -0.606+/-0.023 χ^2/NDF:4793.2/6

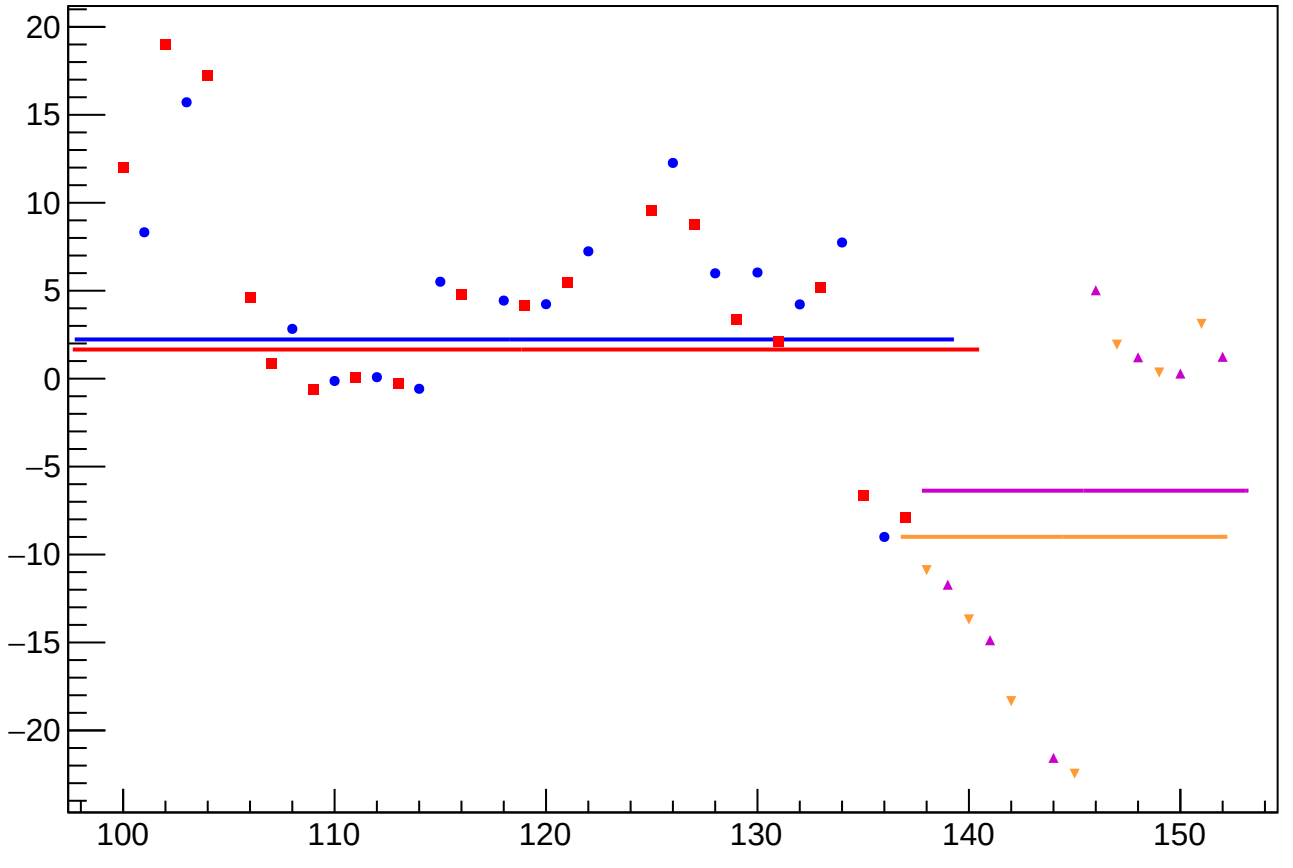
Left: -0.508+/-0.017 χ^2/NDF: 7829.6/13

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: -0.075+/-0.015 χ^2/NDF:8318.4/22

Out: 0.070+/-0.016 χ^2/NDF:5012.6/24

All: -0.005+/-0.011 χ^2/NDF: 13374.6/47



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: -6.369+/-0.032 χ^2/NDF:78313.9/6

Left: -7.505+/-0.024 χ^2/NDF: 132652.8/13

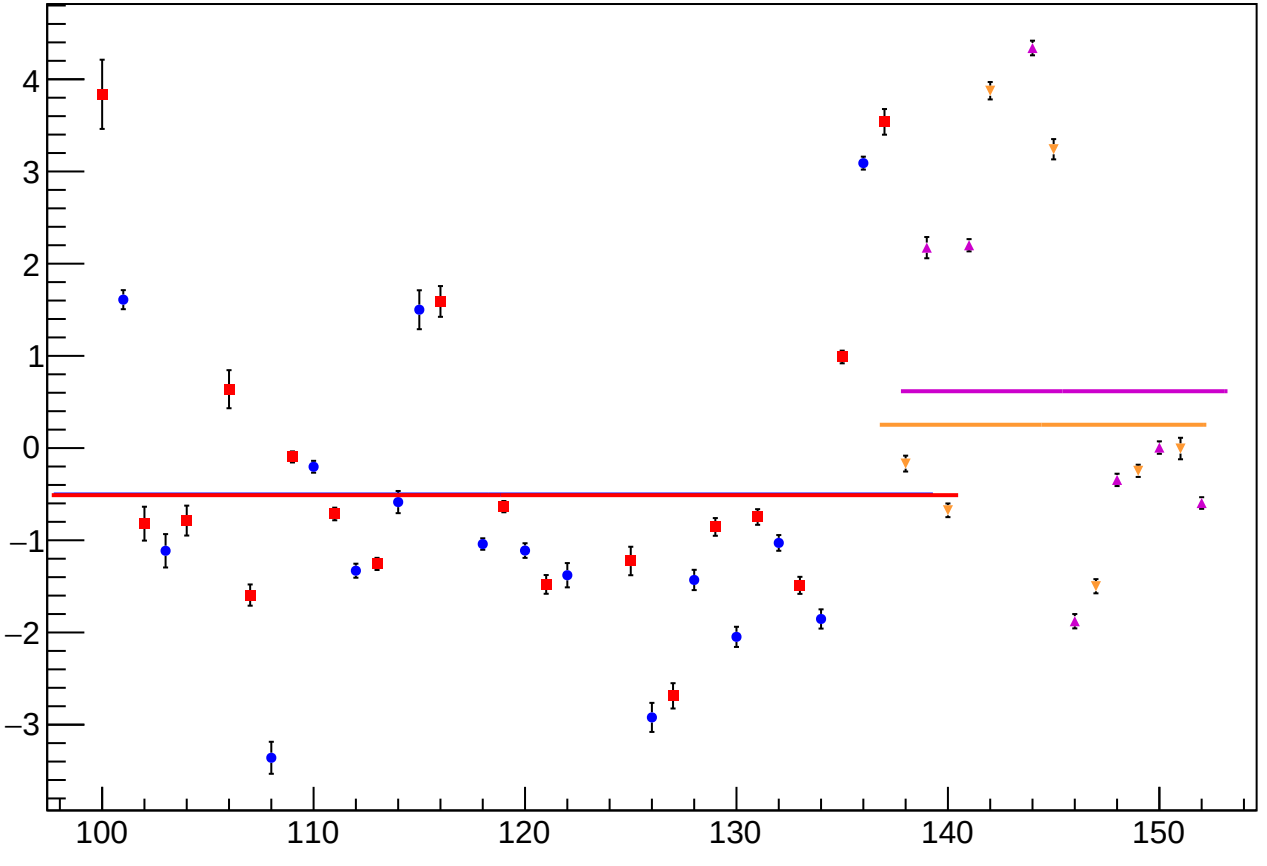
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.630+/-0.018 χ^2/NDF:197118.6/22

Out: -0.932+/-0.018 χ^2/NDF:190081.1/24

All: -0.784+/-0.013 χ^2/NDF: 387341.4/47

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: 0.617+/-0.028 χ^2/NDF:4627.1/6

Left: 0.461+/-0.021 χ^2/NDF: 7672.8/13

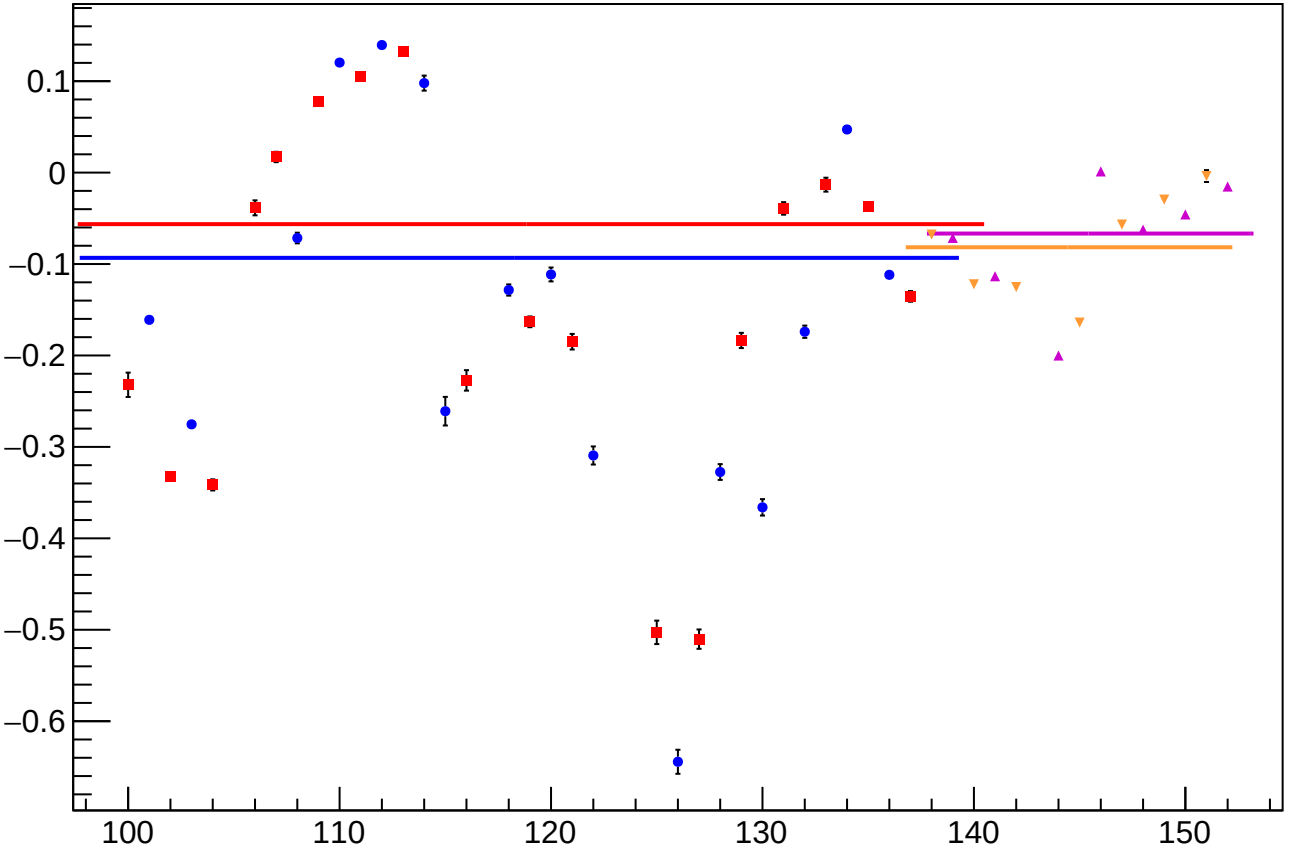
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.027+/-0.018 χ^2/NDF:10024.6/22

Out: -0.261+/-0.018 χ^2/NDF:5780.3/24

All: -0.142+/-0.013 χ^2/NDF: 15888.3/47

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: -0.067+/-0.001 χ^2/NDF:1849.1/6

Left: -0.073+/-0.001 χ^2/NDF: 2875.4/13

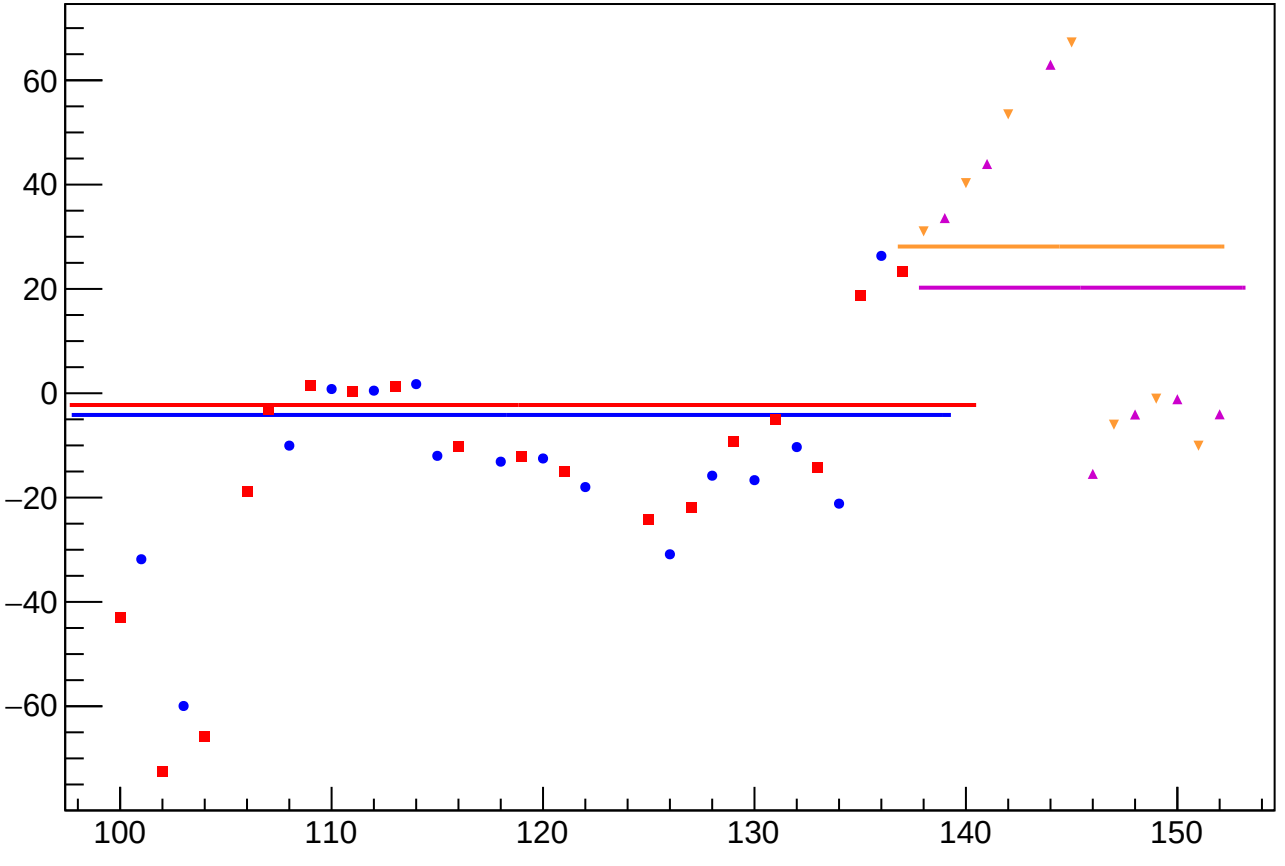
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.078+/-0.001 χ^2/NDF:13793.9/22

Out: -0.067+/-0.001 χ^2/NDF:15586.6/24

All: -0.073+/-0.001 χ^2/NDF: 29442.3/47

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: 20.239+/-0.094 χ^2/NDF:77267.0/6

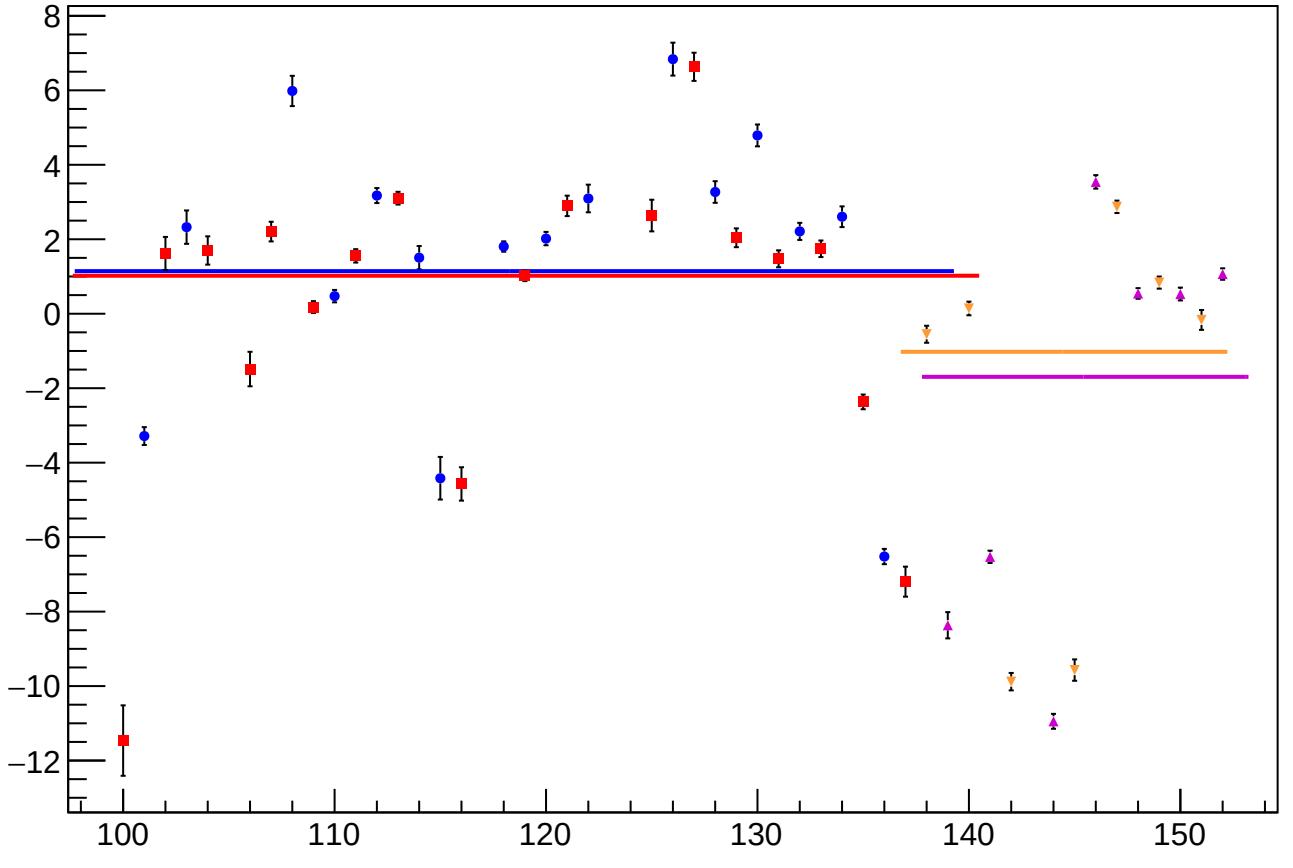
Left: 23.693+/-0.070 χ^2/NDF: 129579.5/13

Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 1.993+/-0.047 χ^2/NDF:203446.6/22

Out: 2.547+/-0.042 χ^2/NDF:197841.5/24

All: 2.300+/-0.031 χ^2/NDF: 401365.2/47



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: -1.695+/-0.067 χ^2/NDF:4904.0/6

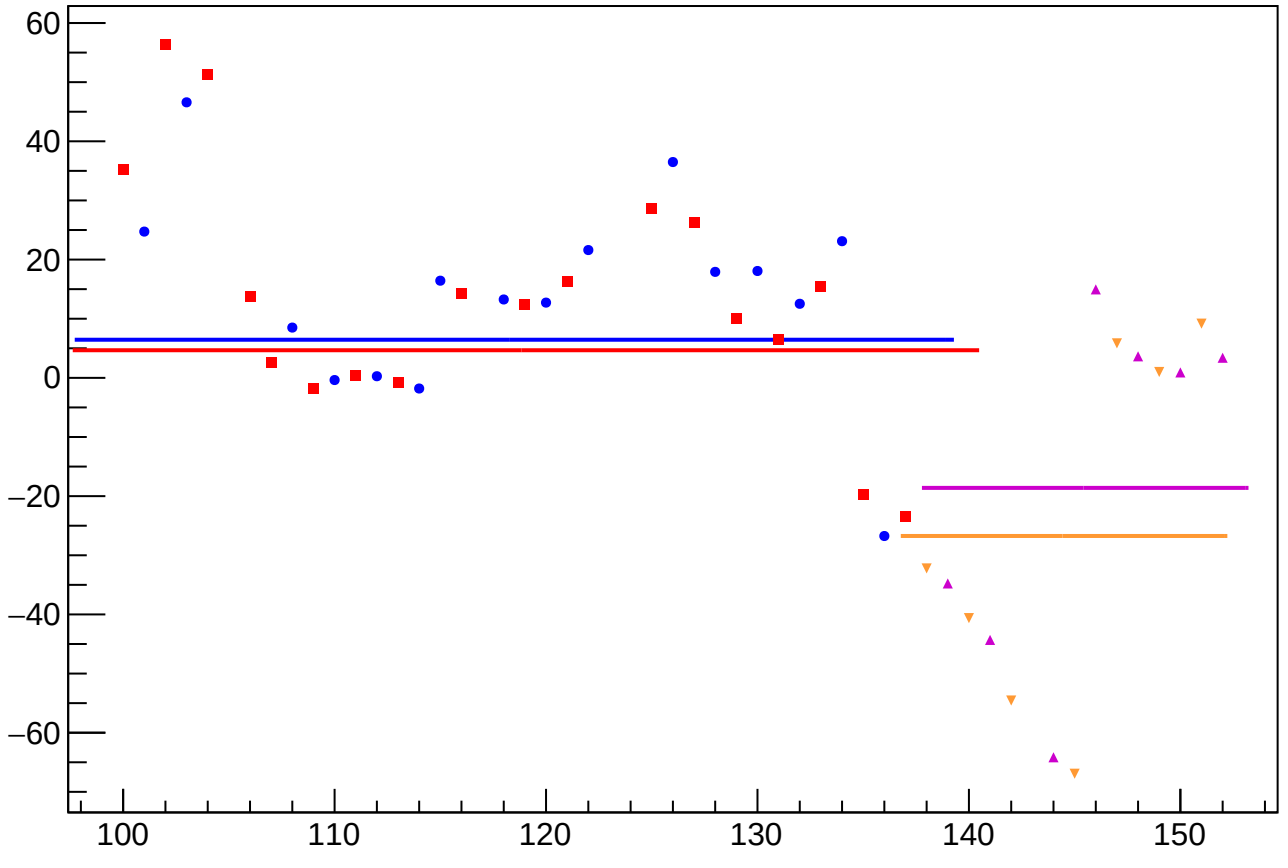
Left: -1.408+/-0.051 χ^2/NDF: 7993.0/13

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: -0.128+/-0.045 χ^2/NDF:8498.3/22

Out: 0.300+/-0.046 χ^2/NDF:5087.7/24

All: 0.080+/-0.032 χ^2/NDF: 13630.6/47



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: -18.603+/-0.092 χ^2/NDF:80400.8/6

Left: -22.092+/-0.070 χ^2/NDF: 135661.9/13

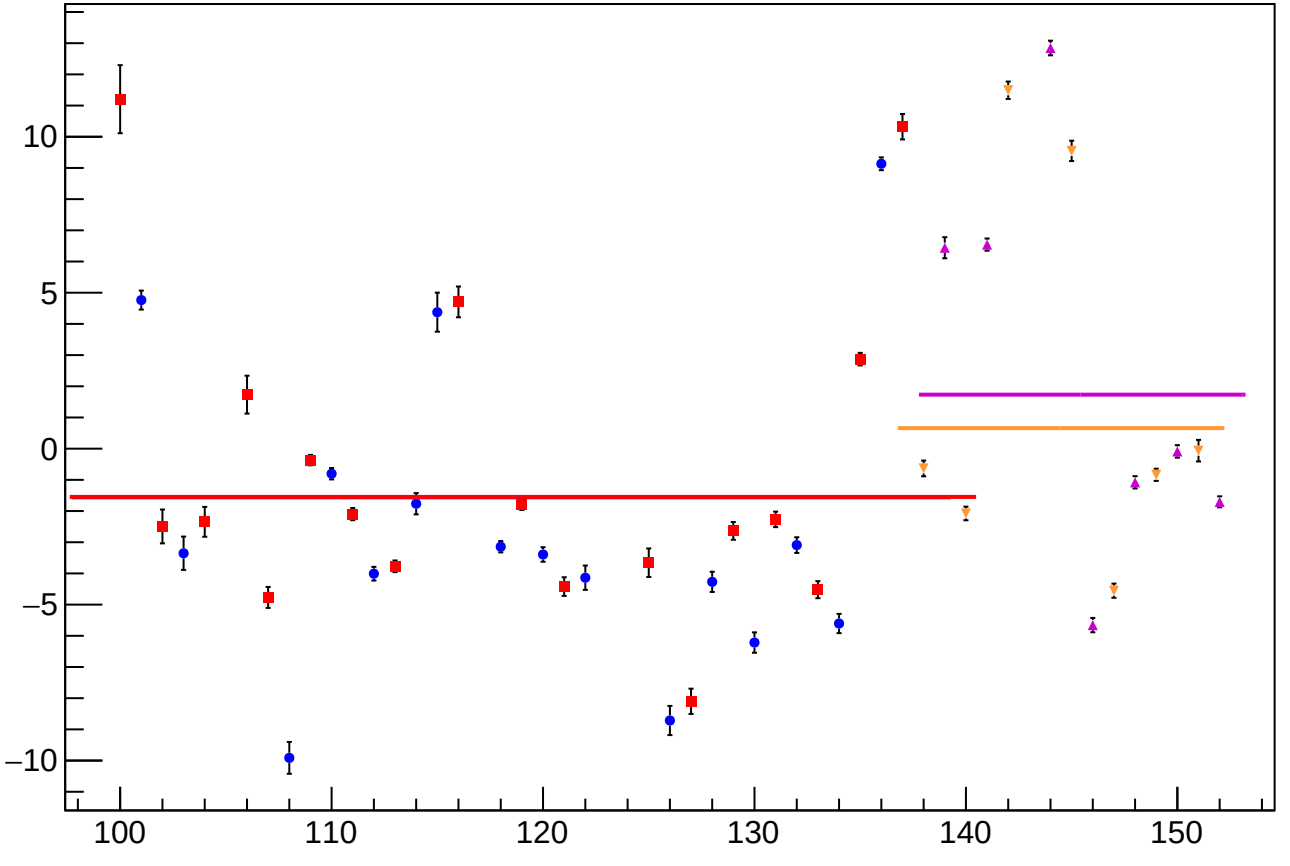
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -1.857+/-0.053 χ^2/NDF:200631.1/22

Out: -2.728+/-0.052 χ^2/NDF:193071.9/24

All: -2.305+/-0.037 χ^2/NDF: 393841.4/47

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: 1.731+/-0.080 χ^2/NDF:4726.4/6

Left: 1.279+/-0.061 χ^2/NDF: 7822.8/13

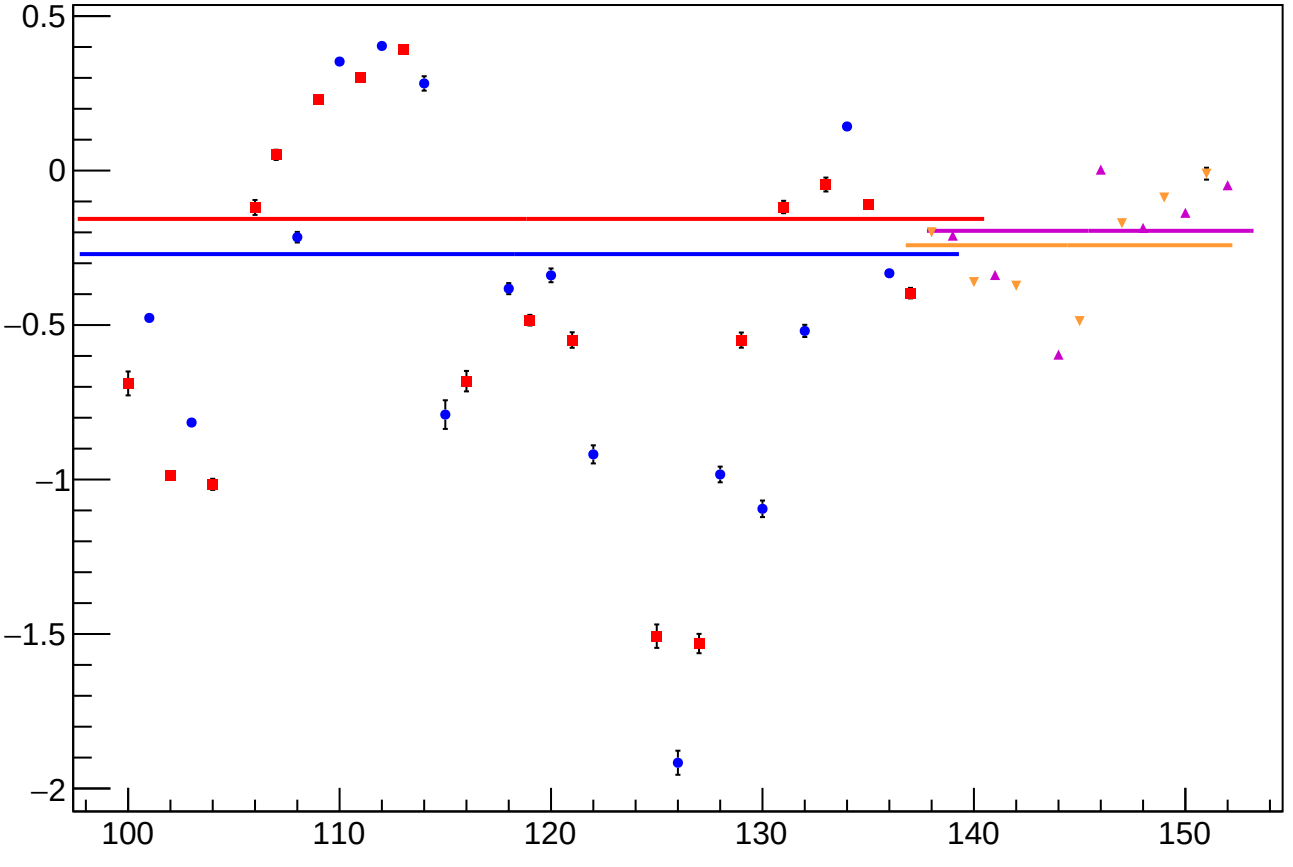
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -0.158+/-0.052 χ^2/NDF:10230.9/22

Out: -0.843+/-0.053 χ^2/NDF:5864.2/24

All: -0.495+/-0.037 χ^2/NDF: 16179.2/47

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.242+/-0.004 χ^2/NDF:974.8/6

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.195+/-0.004 χ^2/NDF:1908.6/6

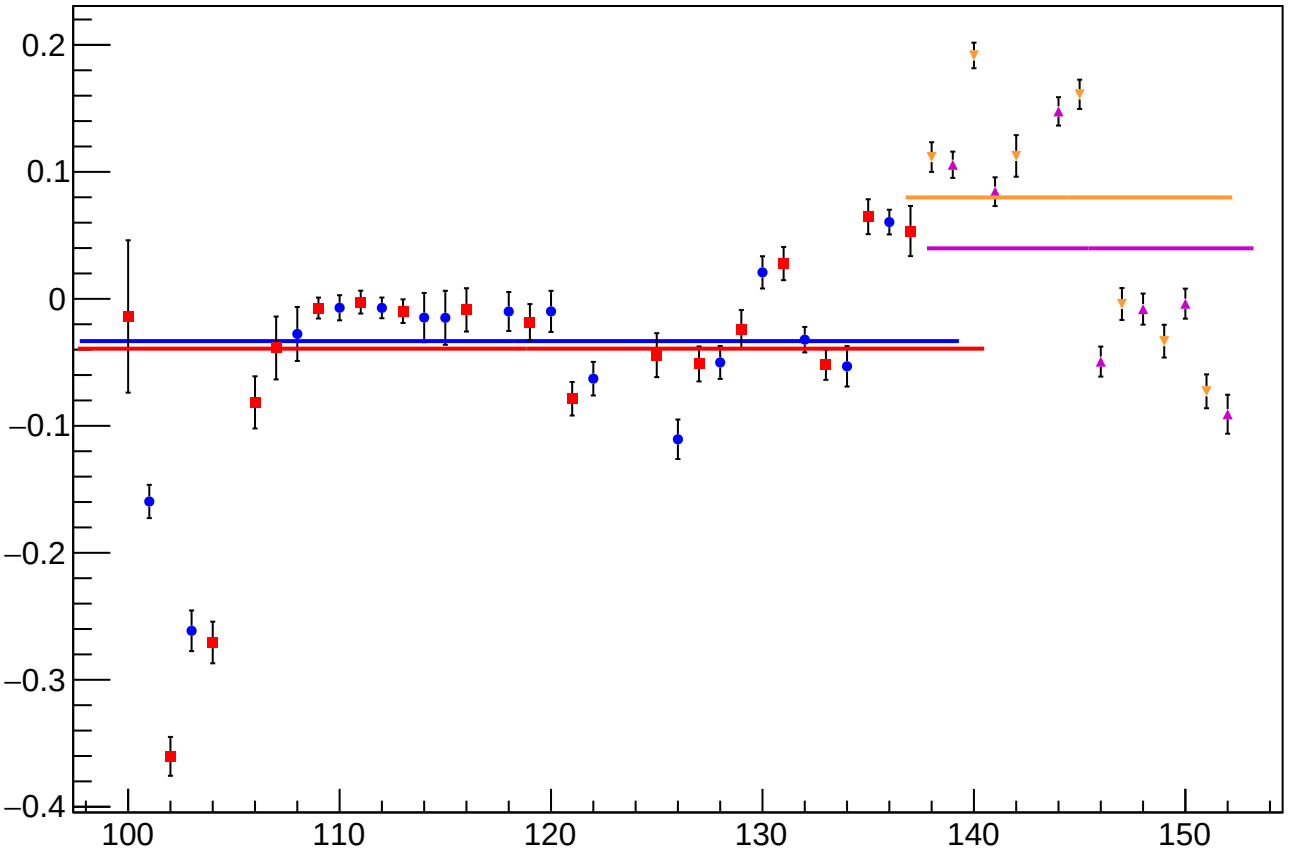
Left: -0.214+/-0.003 χ^2/NDF: 2952.0/13

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.227+/-0.003 χ^2/NDF:14196.3/22

Out: -0.193+/-0.003 χ^2/NDF:16221.9/24

All: -0.211+/-0.002 χ^2/NDF: 30493.0/47



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: 0.040+/-0.004 χ^2/NDF:307.5/6

Left: 0.059+/-0.003 χ^2/NDF: 783.3/13

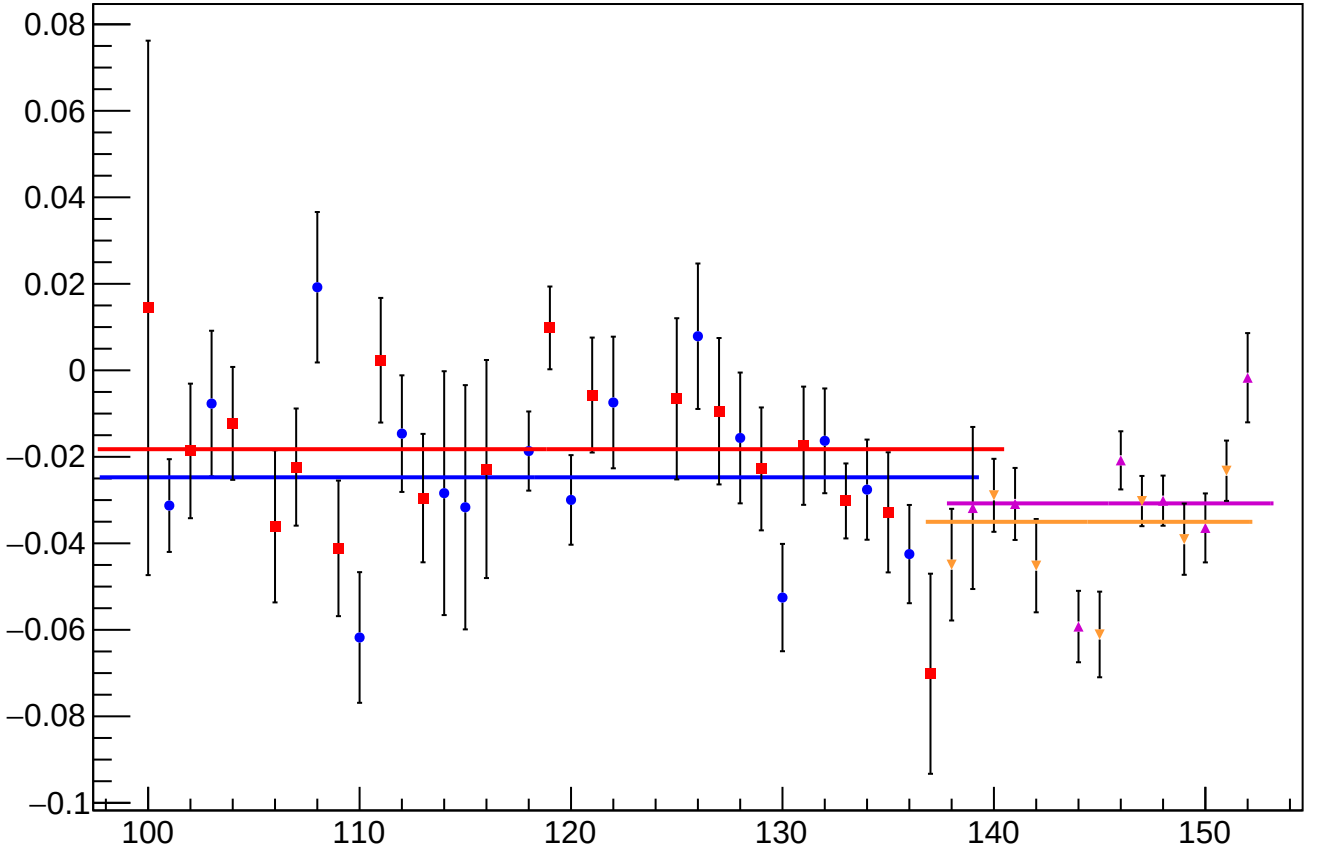
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.008+/-0.003 χ^2/NDF:947.8/22

Out: -0.001+/-0.003 χ^2/NDF:1692.3/24

All: -0.005+/-0.002 χ^2/NDF: 2643.8/47

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.035+/-0.003 χ^2/NDF:12.7/6

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.003 χ^2/NDF:22.5/6

Left: -0.033+/-0.002 χ^2/NDF: 36.2/13

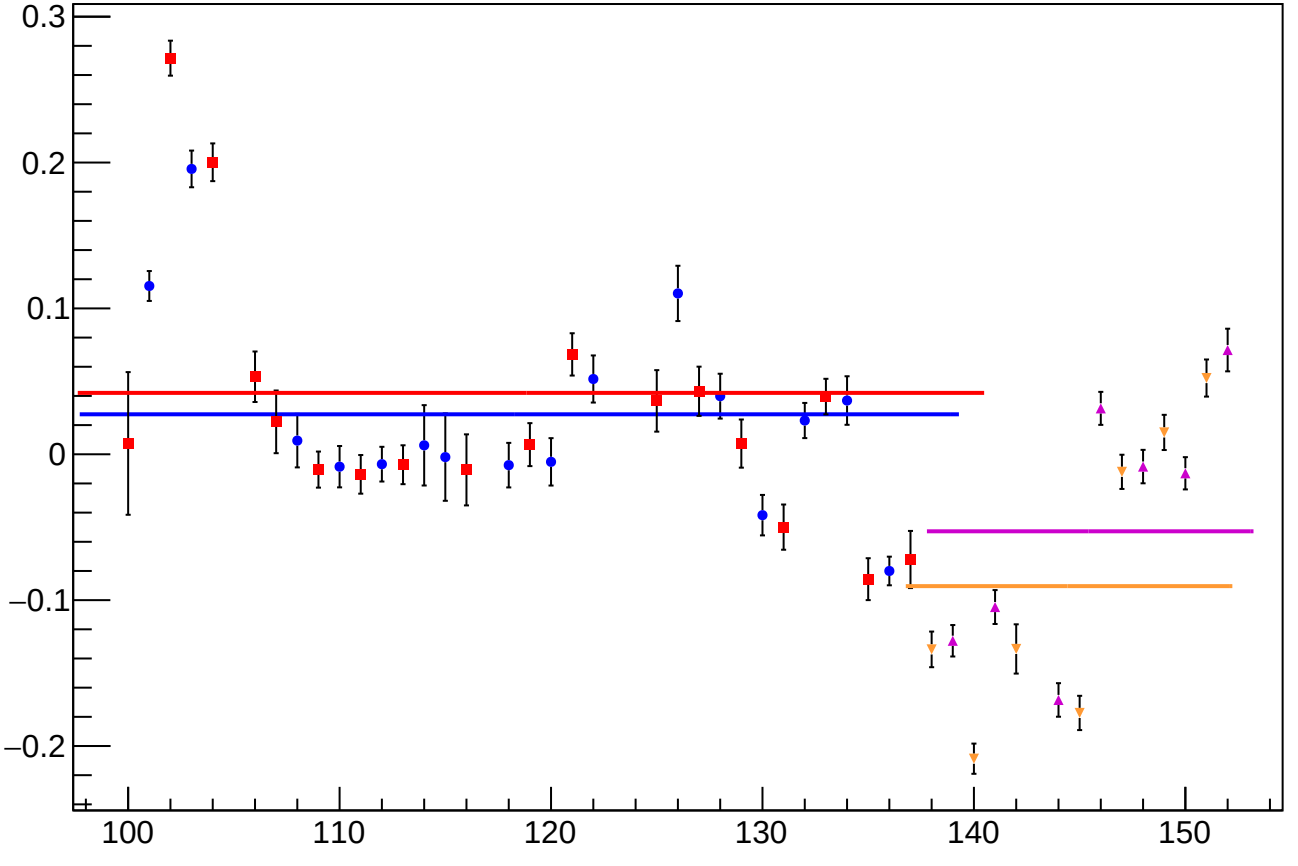
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.028+/-0.002 χ^2/NDF:52.9/22

Out: -0.027+/-0.002 χ^2/NDF:50.8/24

All: -0.028+/-0.002 χ^2/NDF: 103.7/47

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: -0.053+/-0.004 χ^2/NDF:325.0/6

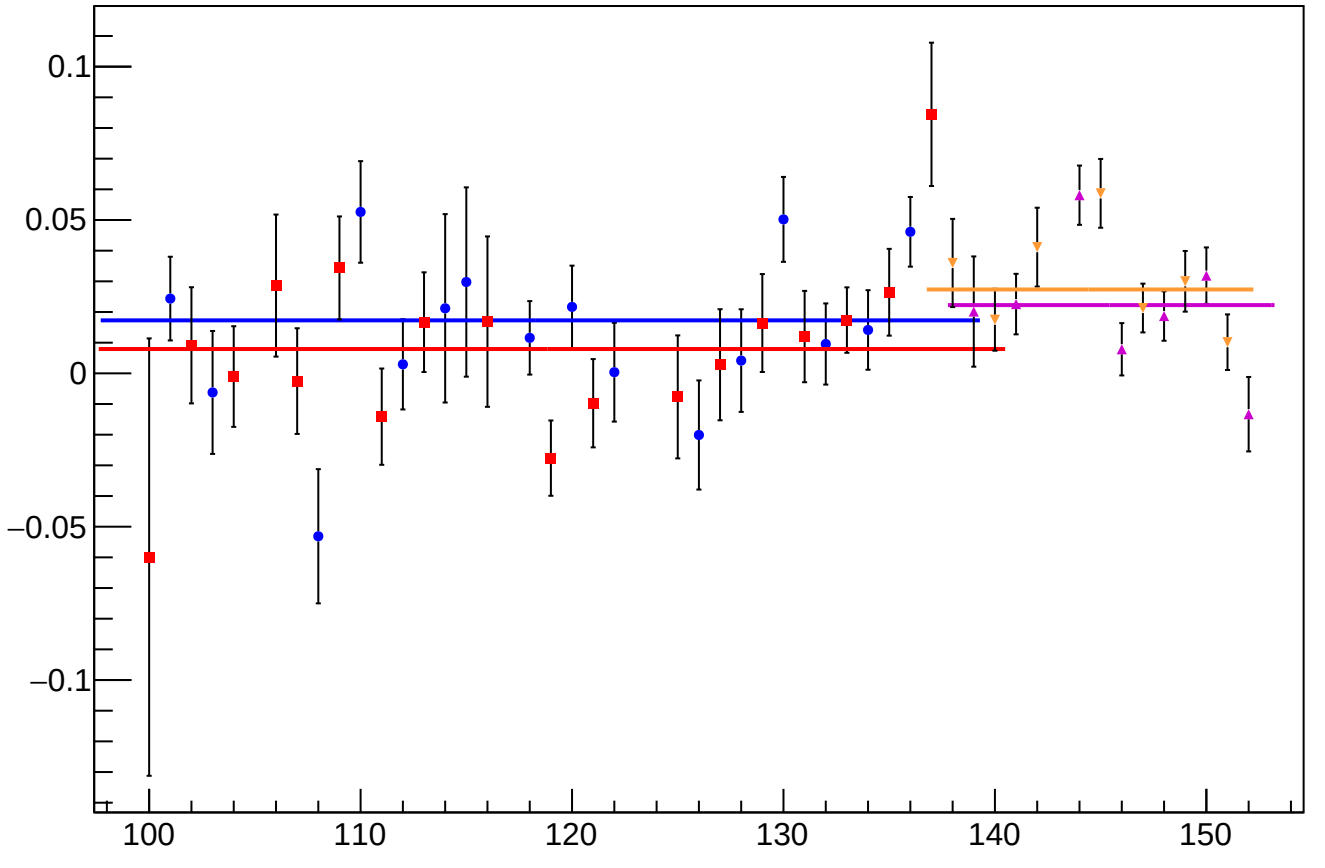
Left: -0.071+/-0.003 χ^2/NDF: 811.0/13

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

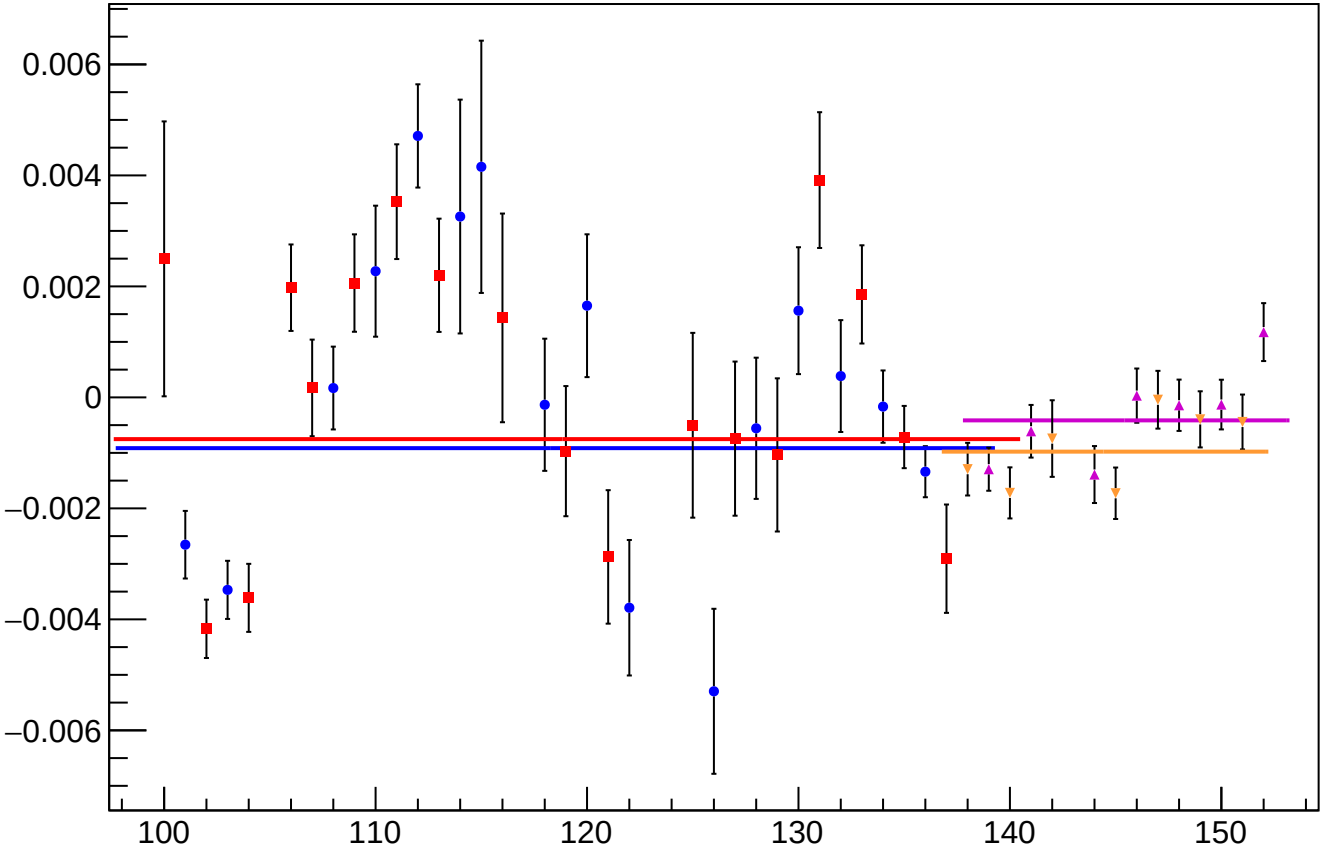
In: -0.005+/-0.003 χ^2/NDF:971.7/22

Out: -0.009+/-0.003 χ^2/NDF:1693.6/24

All: -0.007+/-0.002 χ^2/NDF: 2666.5/47


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: 0.017+/-0.004 χ²/NDF: 36.7/15
Left Out: 0.027+/-0.004 χ²/NDF:14.5/6
Right Out: 0.008+/-0.004 χ²/NDF: 31.4/17
Left In: 0.022+/-0.004 χ²/NDF:26.5/6
Left: 0.025+/-0.003 χ²/NDF: 41.9/13
Right: 0.013+/-0.003 χ²/NDF: 71.0/33
In: 0.020+/-0.003 χ²/NDF:64.0/22
Out: 0.018+/-0.003 χ²/NDF:58.4/24
All: 0.019+/-0.002 χ²/NDF: 122.7/47

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:11.5/6

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:19.8/6

Left: -0.001+/-0.000 χ^2/NDF: 36.0/13

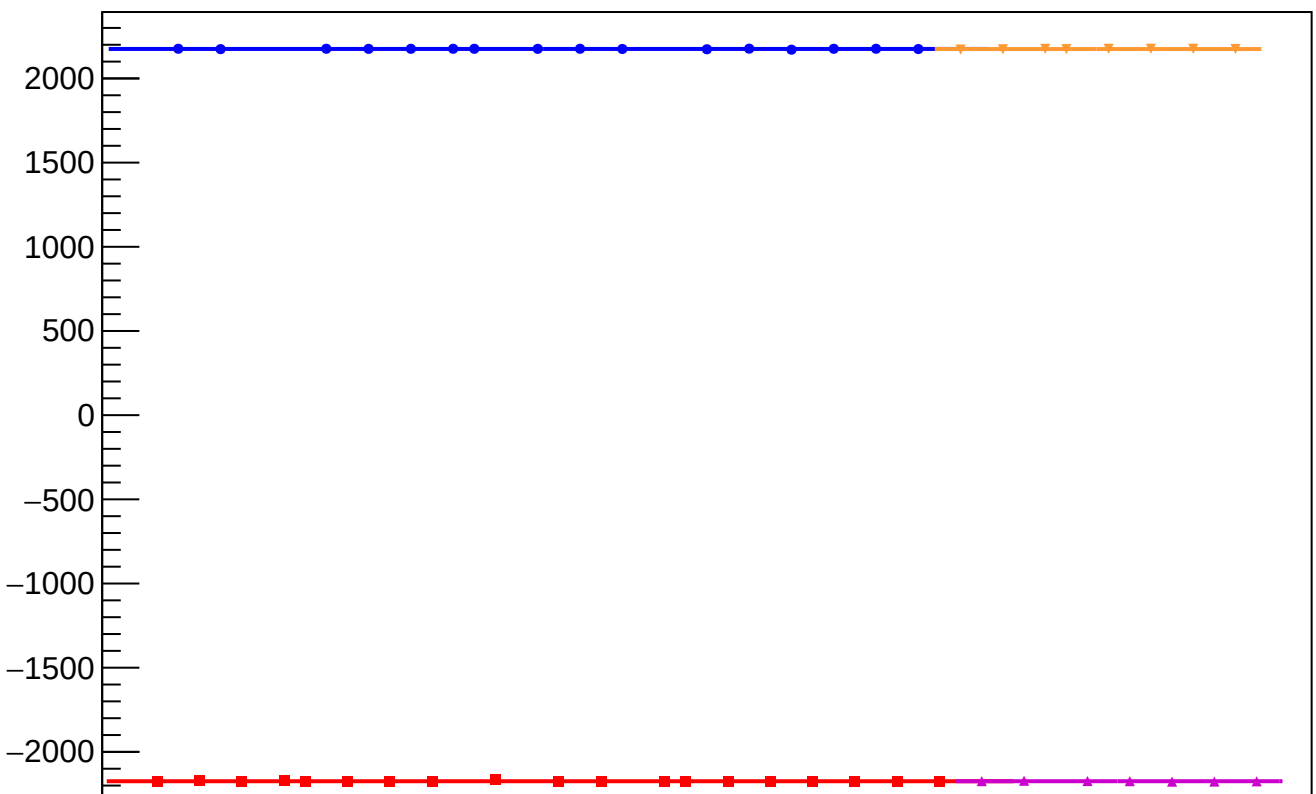
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:137.2/22

Out: -0.001+/-0.000 χ^2/NDF:159.7/24

All: -0.001+/-0.000 χ^2/NDF: 298.6/47

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: -2174.247+/-0.000 χ^2/NDF:189134063808449473295418998233 4976.0/6

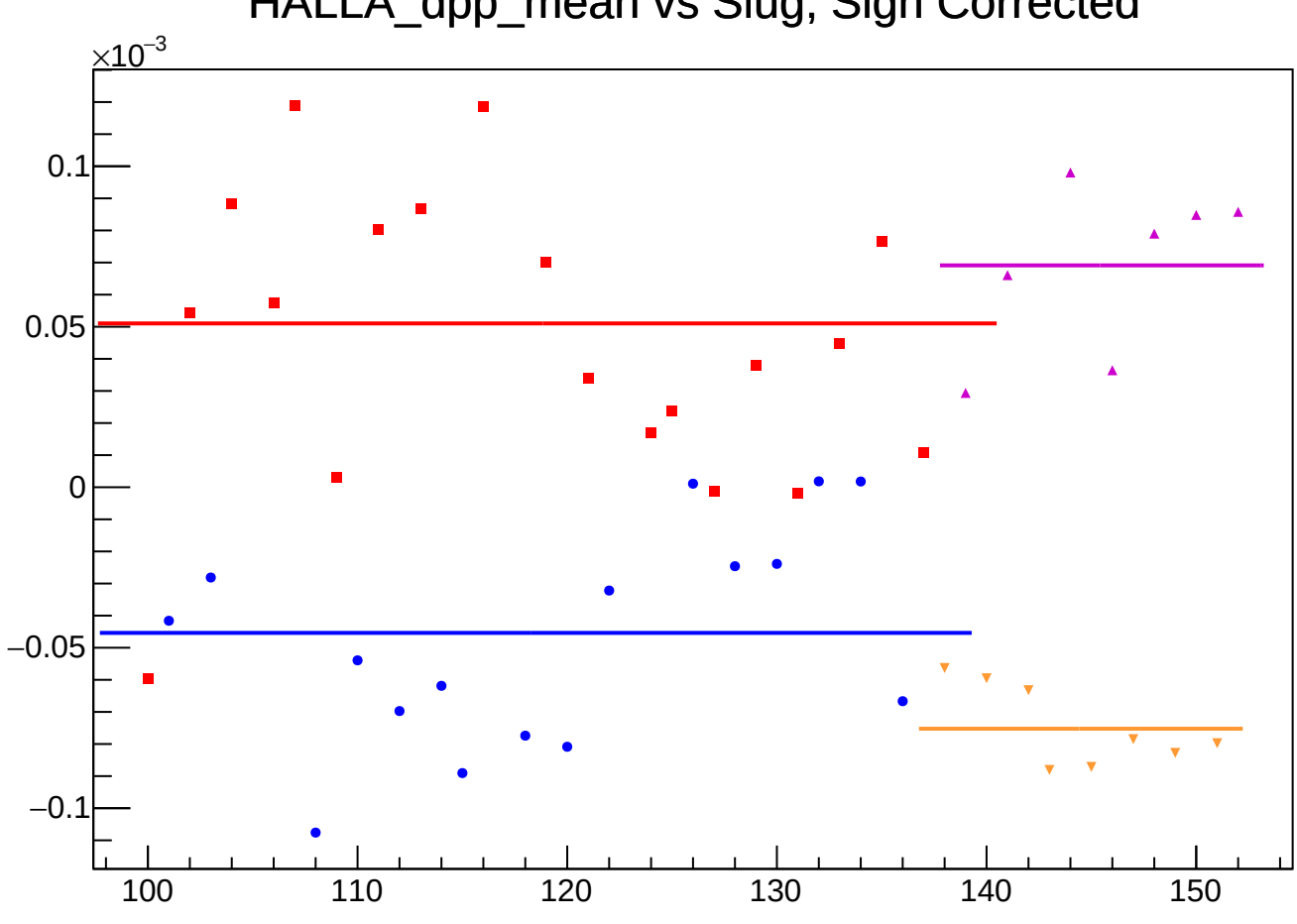
Left: 22.313+/-0.000 χ^2/NDF: 6046831035468870

Right: -31.373+/-0.000 χ^2/NDF: 7111791049076111

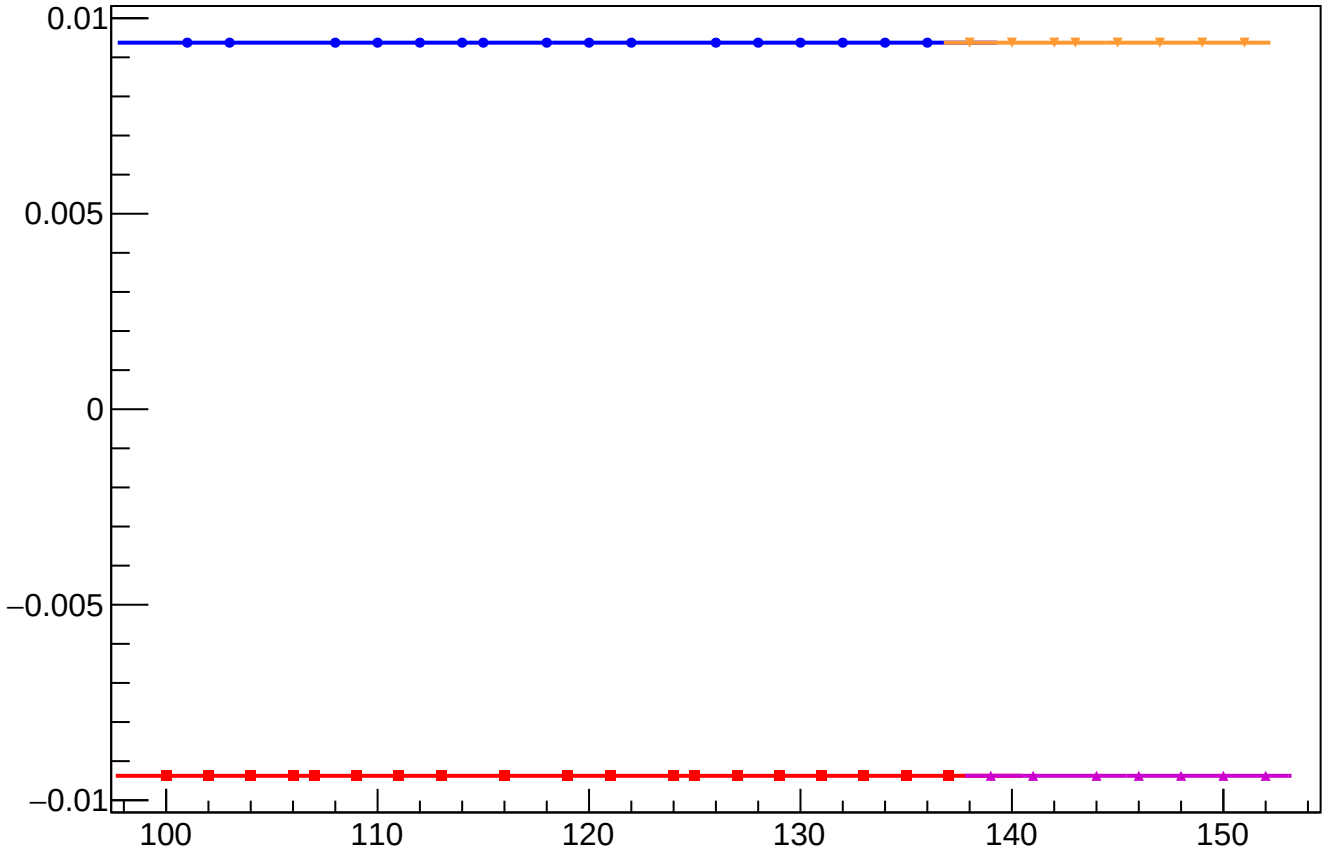
In: 171.416+/-0.000 χ^2/NDF:64580829918098097

Out: -180.393+/-0.000 χ^2/NDF:661643232075442

All: -6.700+/-0.000 χ^2/NDF: 1316061424687


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:904754578963663327068160.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:367320192745921579057152.0/6
Left: -0.000+/-0.000 χ²/NDF: 71195524699803619
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:5555481281322037006
Out: -0.000+/-0.000 χ²/NDF:66797368194164050
All: 0.000+/-0.000 χ²/NDF: 12376000779597

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:0.0/6

Left: 0.000+/-0.000 χ^2/NDF: 112400495992962882

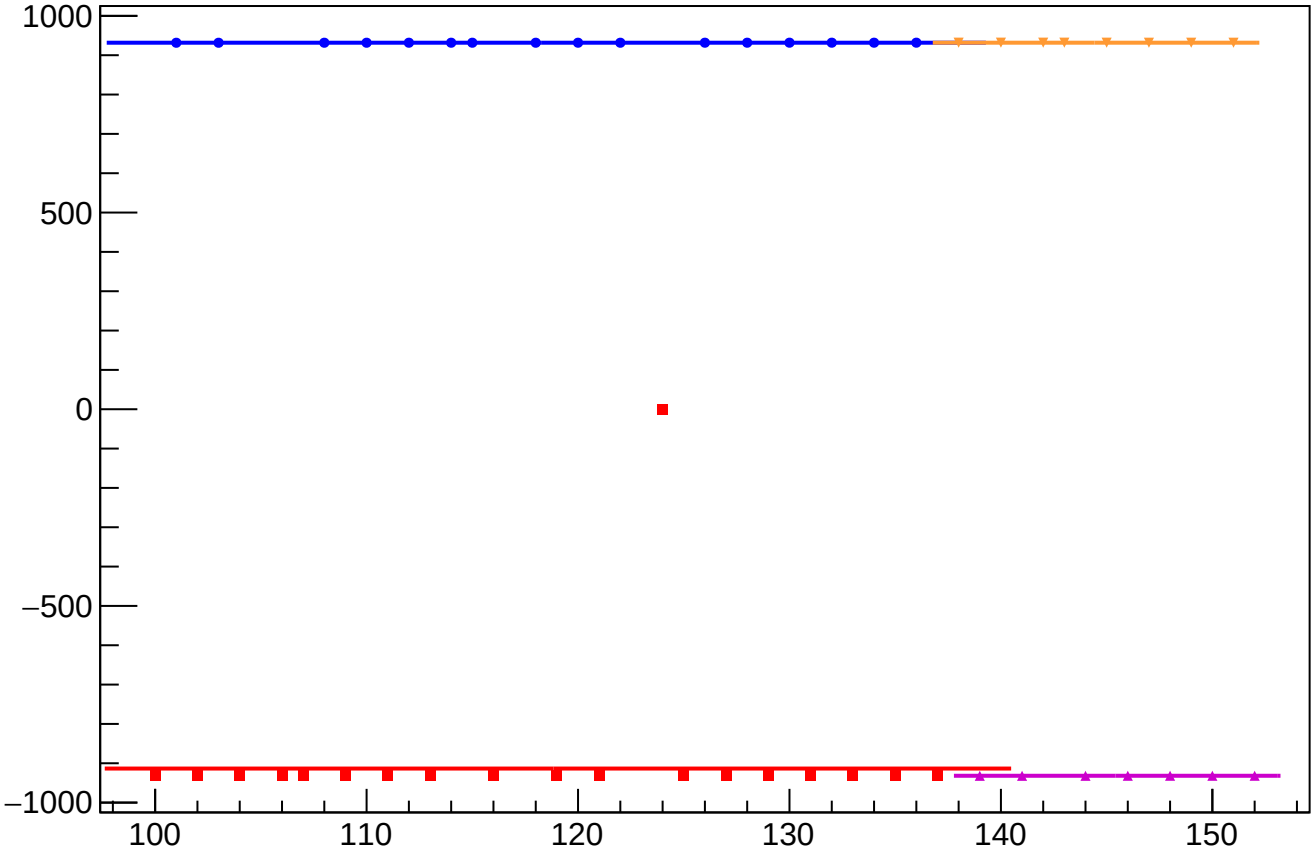
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:1200156079421394887

Out: -0.001+/-0.000 χ^2/NDF:12298399795954556

All: -0.000+/-0.000 χ^2/NDF: 2445970512935

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

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: -931.795+/-0.000 χ^2/NDF:27701548053696373625532186624000/6

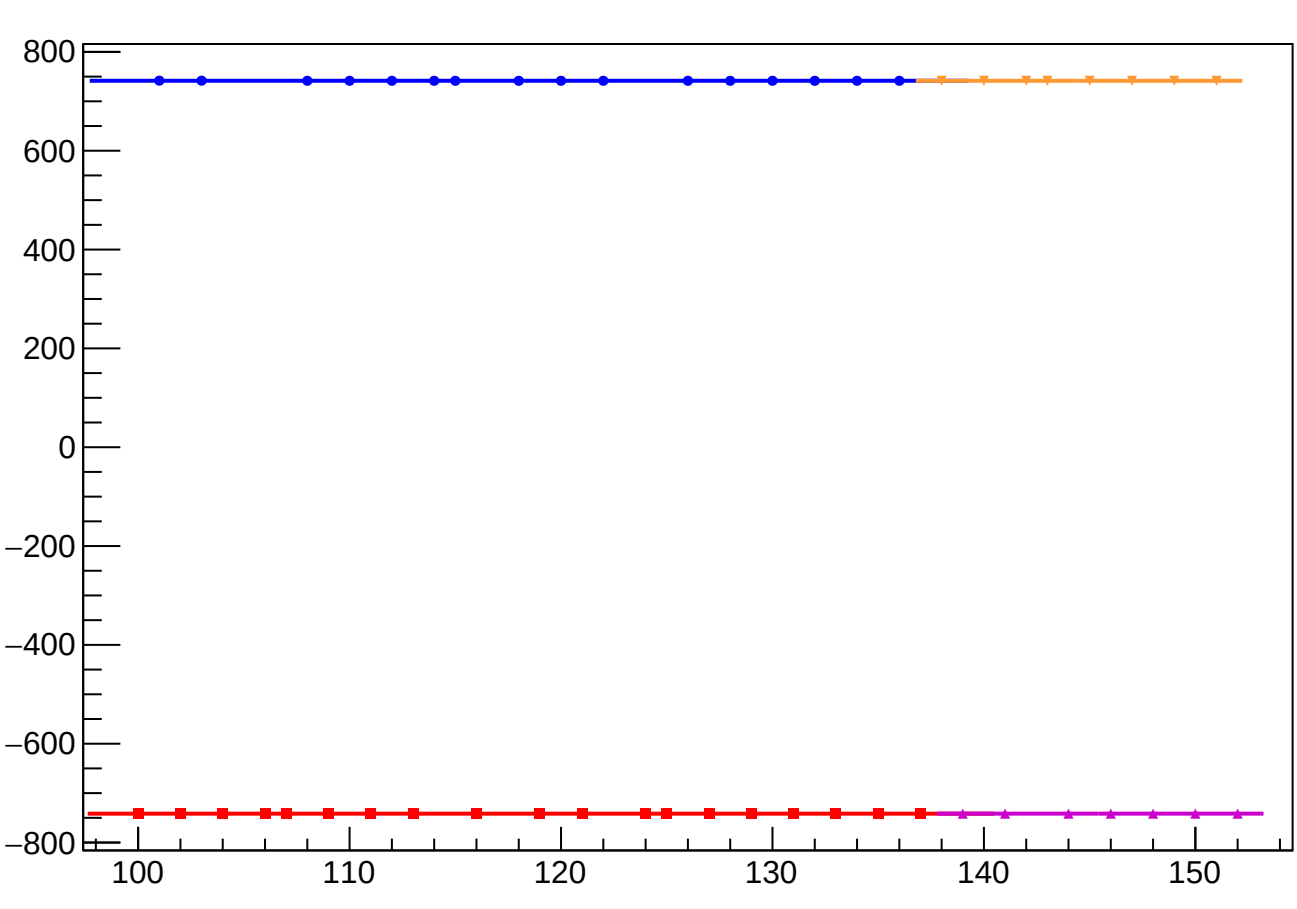
Left: 9.479+/-0.000 χ^2/NDF: 11103847911718025

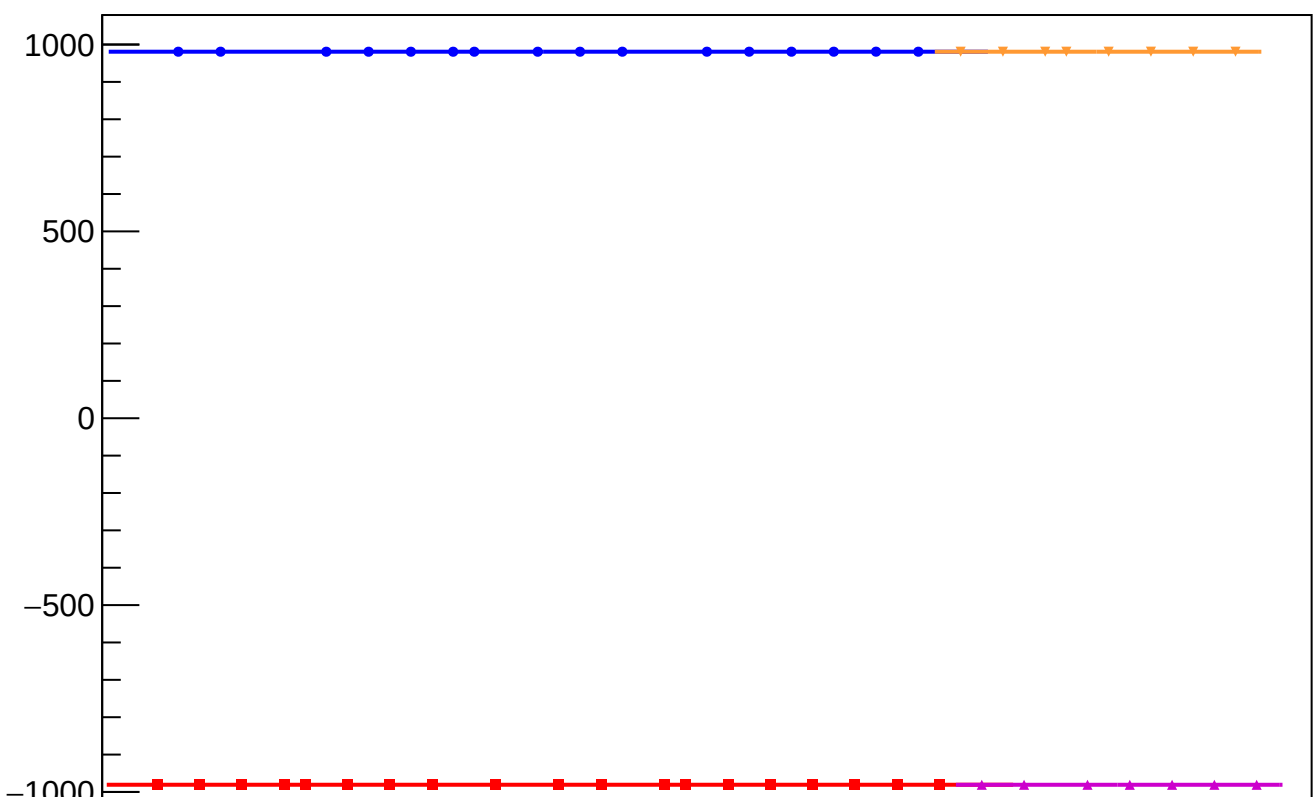
Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: 73.228+/-0.000 χ^2/NDF:11855604066086558

Out: -67.431+/-0.000 χ^2/NDF:1203898225949028

All: 2.014+/-0.000 χ^2/NDF: 2403221801453


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
Right In: 741.569+/-0.000 χ²/NDF: 643295117612794706193889938636 8.0/15
Left Out: 741.524+/-0.000 χ²/NDF:457394332483259234031962685 44.0/7
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761 5616.0/18
Left In: -741.523+/-0.000 χ²/NDF:481695051359029361448331509 76.0/6
Left: 7.538+/-0.000 χ²/NDF: 703195269919182631
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
In: 58.310+/-0.000 χ²/NDF:750881631550774218
Out: -61.603+/-0.000 χ²/NDF:7694627796507170
All: -2.400+/-0.000 χ²/NDF: 1530347106722



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: -980.799+/-0.000 χ^2/NDF:7850992959060939230551547576320/6

Left: 9.961+/-0.000 χ^2/NDF: 123020840027874025

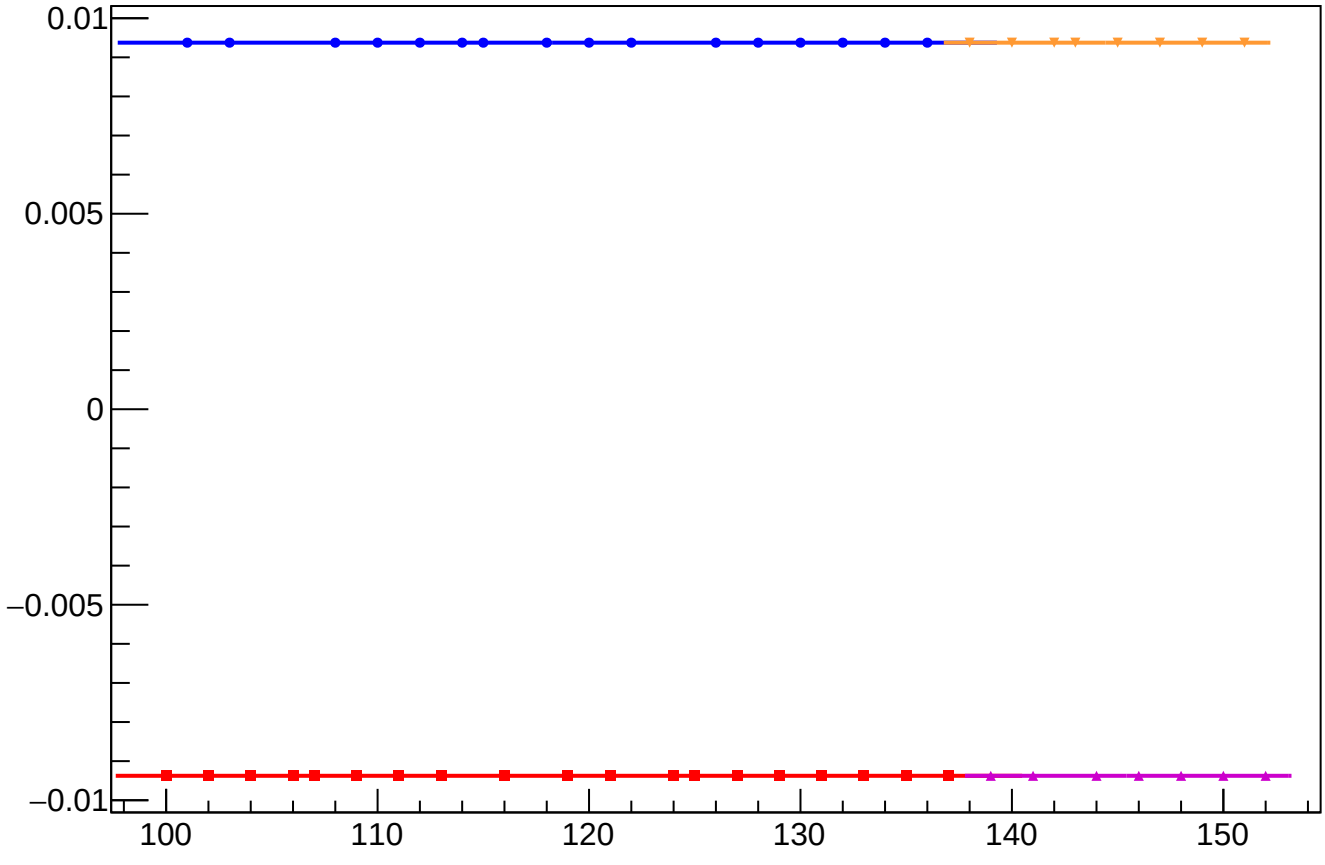
Right: -14.307+/-0.000 χ^2/NDF: 144638600880856

In: 77.096+/-0.000 χ^2/NDF:131358279722820224

Out: -81.410+/-0.000 χ^2/NDF:1345941251310531

All: -3.154+/-0.000 χ^2/NDF: 2677001467249

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:0.0/6

Left: 0.000+/-0.000 χ^2/NDF: 112400495992962882

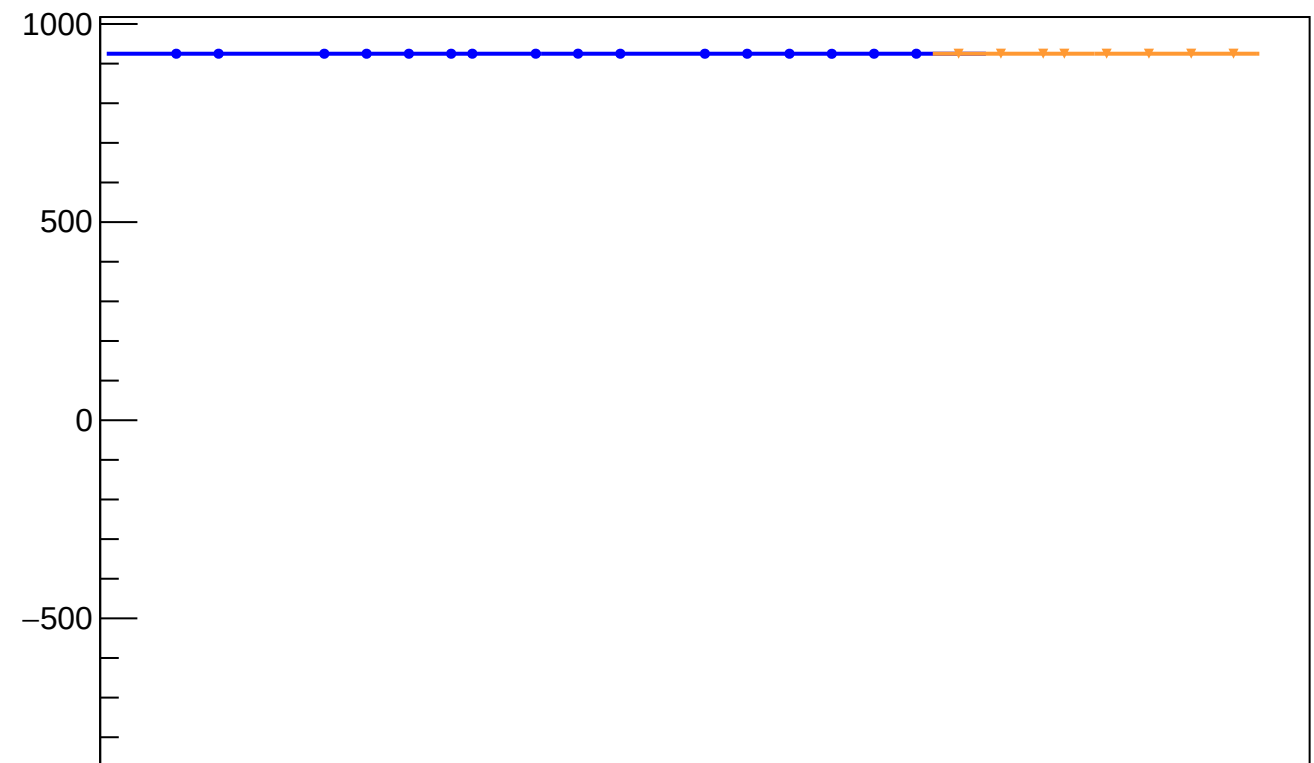
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:1200156079421394887

Out: -0.001+/-0.000 χ^2/NDF:12298399795954556

All: -0.000+/-0.000 χ^2/NDF: 2445970512935

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 925.000+/-0.000 χ^2/NDF:42140790764778014522850725068 8.0/7

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -925.002+/-0.000 χ^2/NDF:34308900540828966919043914137 6.0/6

Left: 9.401+/-0.000 χ^2/NDF: 109423417011213972

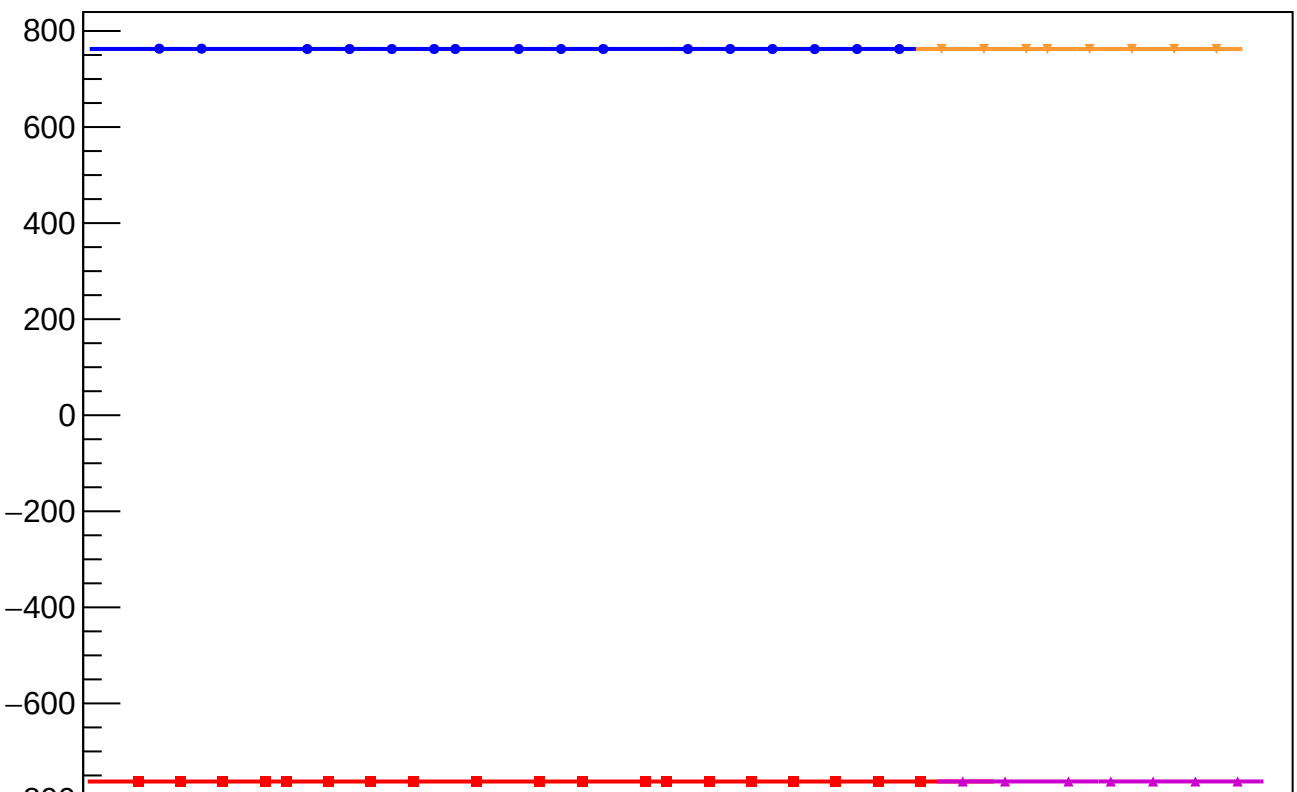
Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: 72.688+/-0.000 χ^2/NDF:116832534554248262

Out: -76.796+/-0.000 χ^2/NDF:1197229601741059

All: -2.994+/-0.000 χ^2/NDF: 2381099311077

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 7.749+/-0.000 χ^2/NDF: 74353775528110938

Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Right: -11.159+/-0.000 χ^2/NDF: 8745102746392

Left Out: 762.497+/-0.000 χ^2/NDF:66683960753765143396252385280.0/7

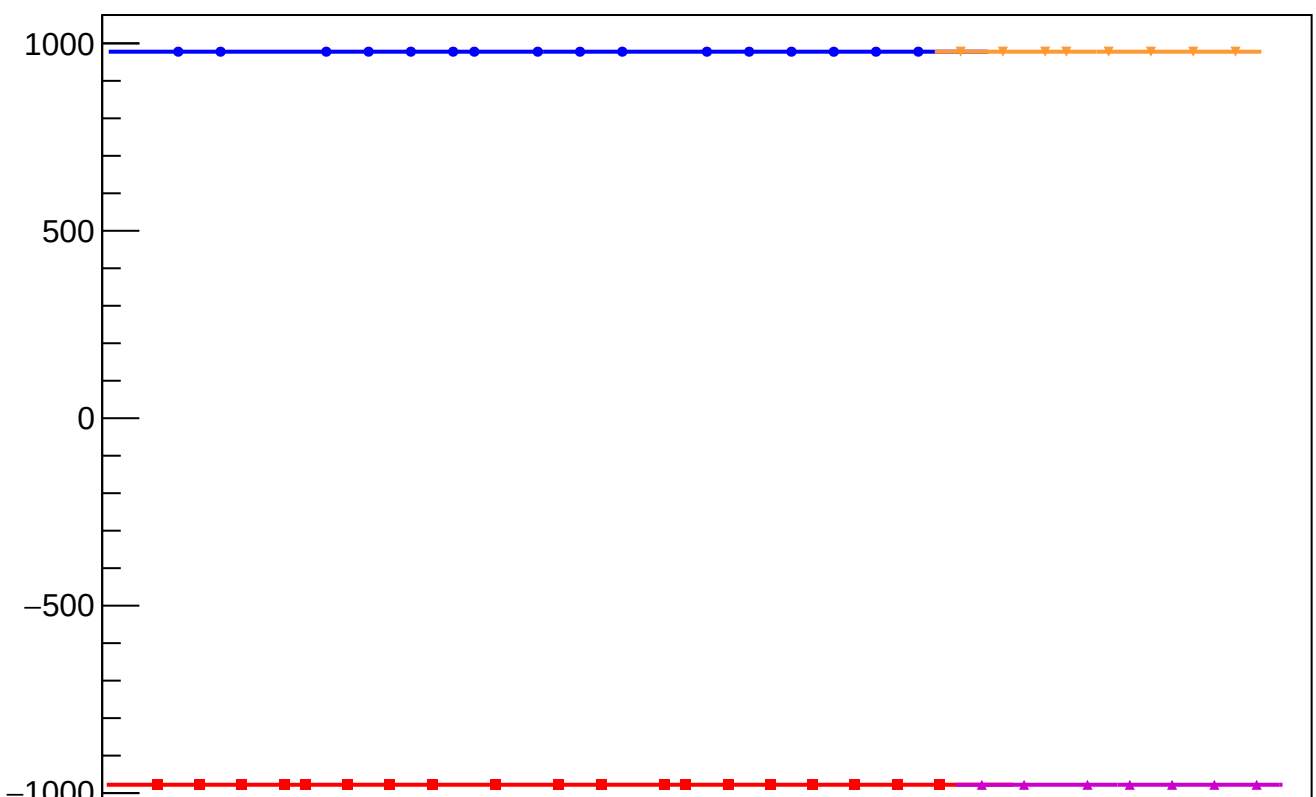
In: 59.994+/-0.000 χ^2/NDF:79403122644679216

Right Out: -762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

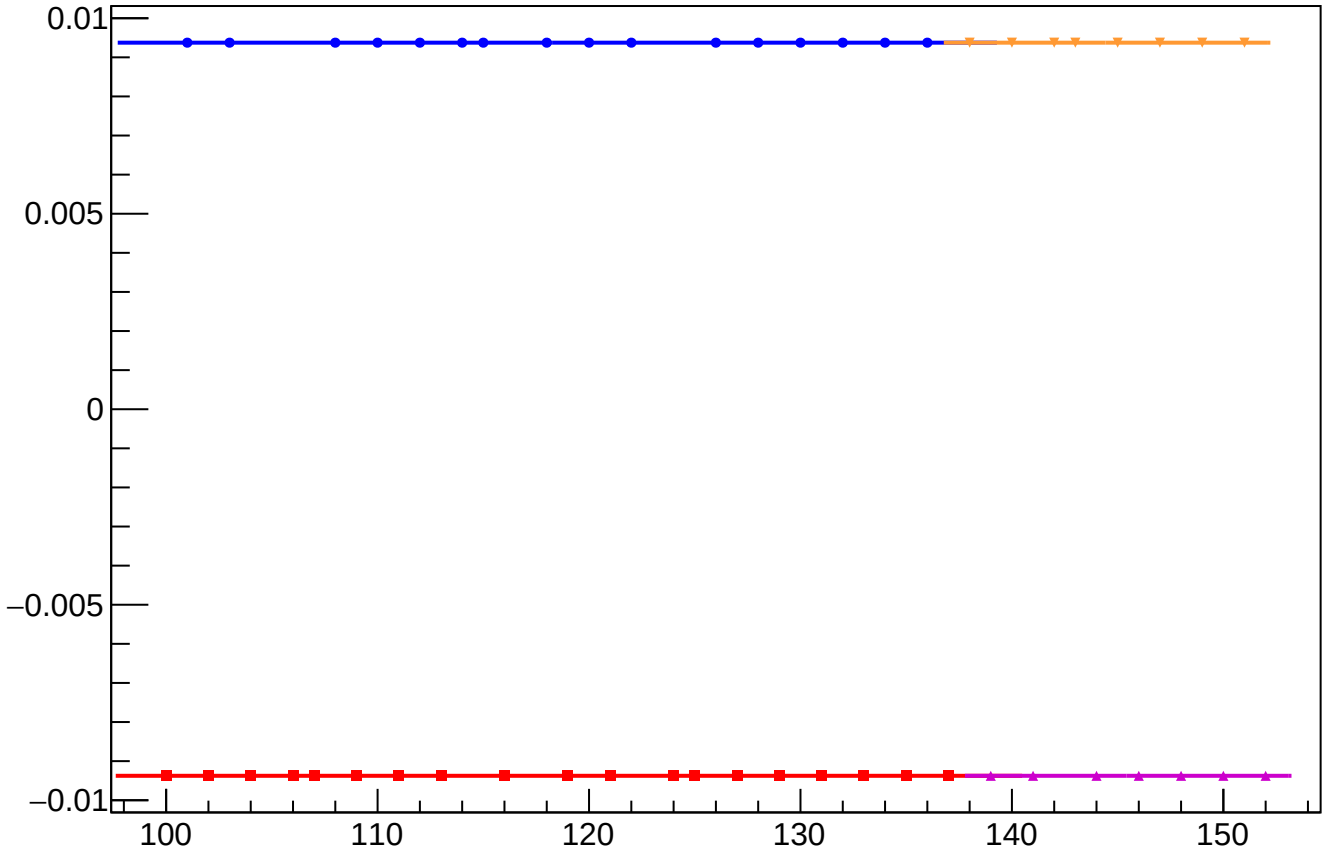
Out: -63.382+/-0.000 χ^2/NDF:8136750979632206

Left In: -762.499+/-0.000 χ^2/NDF:58558696964742748446690115584.0/6

All: -2.469+/-0.000 χ^2/NDF: 1618295135258


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: 19595783310723160744482245181440/15
Left Out: 977.759+/-0.000 χ²/NDF:669606273666171742542511472640.0/7
Right Out: -977.747+/-0.000 χ²/NDF: 178222687781691472632796623667 2.0/18
Left In: -977.752+/-0.000 χ²/NDF:78218323670320079537034389094 4.0/6
Left: 9.942+/-0.000 χ²/NDF: 12226052871238153
Right: -14.301+/-0.000 χ²/NDF: 143750377983115
In: 76.852+/-0.000 χ²/NDF:13054231417438770
Out: -81.184+/-0.000 χ²/NDF:1337718128256844
All: -3.160+/-0.000 χ²/NDF: 2660515302326

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/7

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/6

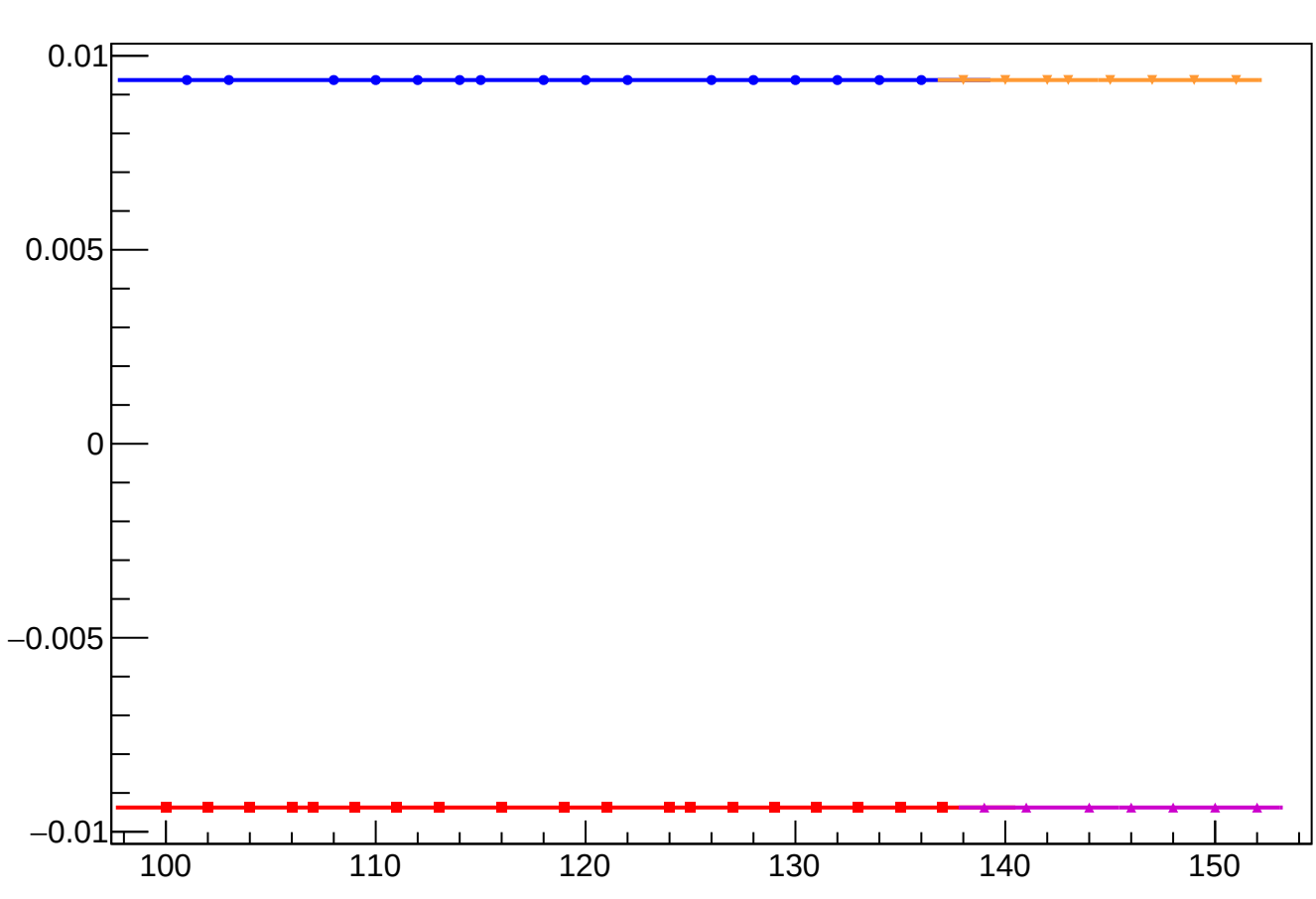
Left: 0.000+/-0.000 χ^2/NDF: 112400495992962882

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:1200156079421394887

Out: -0.001+/-0.000 χ^2/NDF:12298399795954556

All: -0.000+/-0.000 χ^2/NDF: 2445970512935



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:0.0/6

Left: 0.000+/-0.000 χ^2/NDF: 112400495992962882

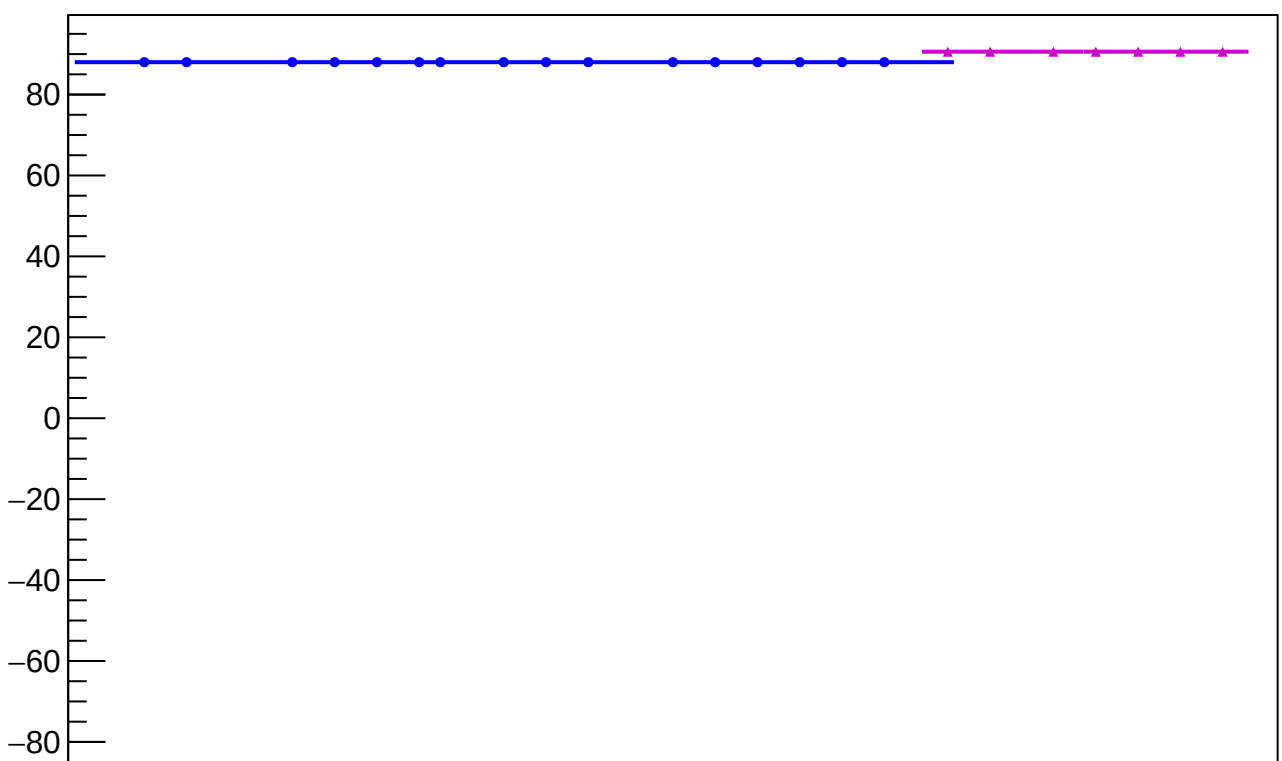
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:1200156079421394887

Out: -0.001+/-0.000 χ^2/NDF:12298399795954556

All: -0.000+/-0.000 χ^2/NDF: 2445970512935

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:872417.1/6

Left: -0.921+/-0.000 χ^2/NDF: 10497244897492463

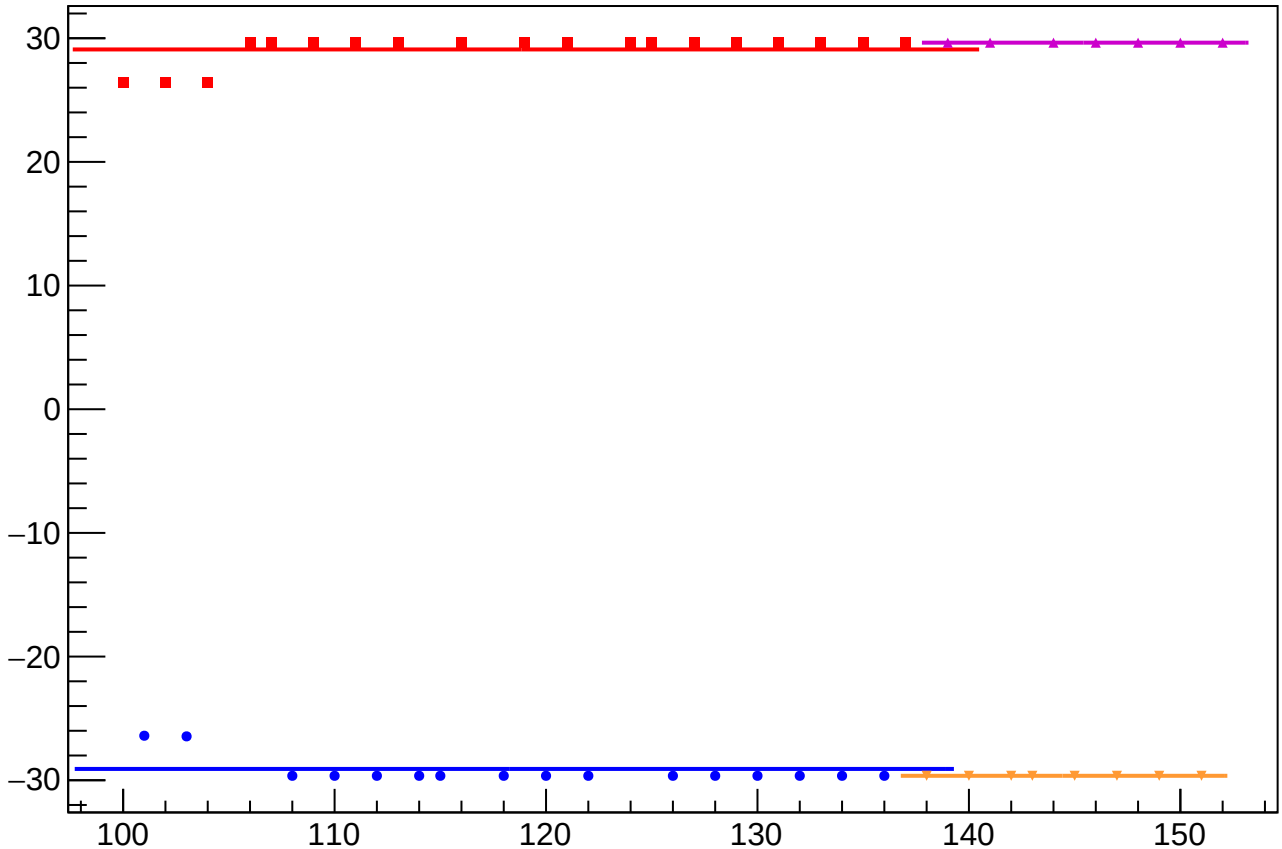
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.198+/-0.000 χ^2/NDF:230521780022385953

Out: -89.194+/-0.000 χ^2/NDF:2357393948558108

All: -1.120+/-0.000 χ^2/NDF: 2214236620334

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: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:23337.7/6

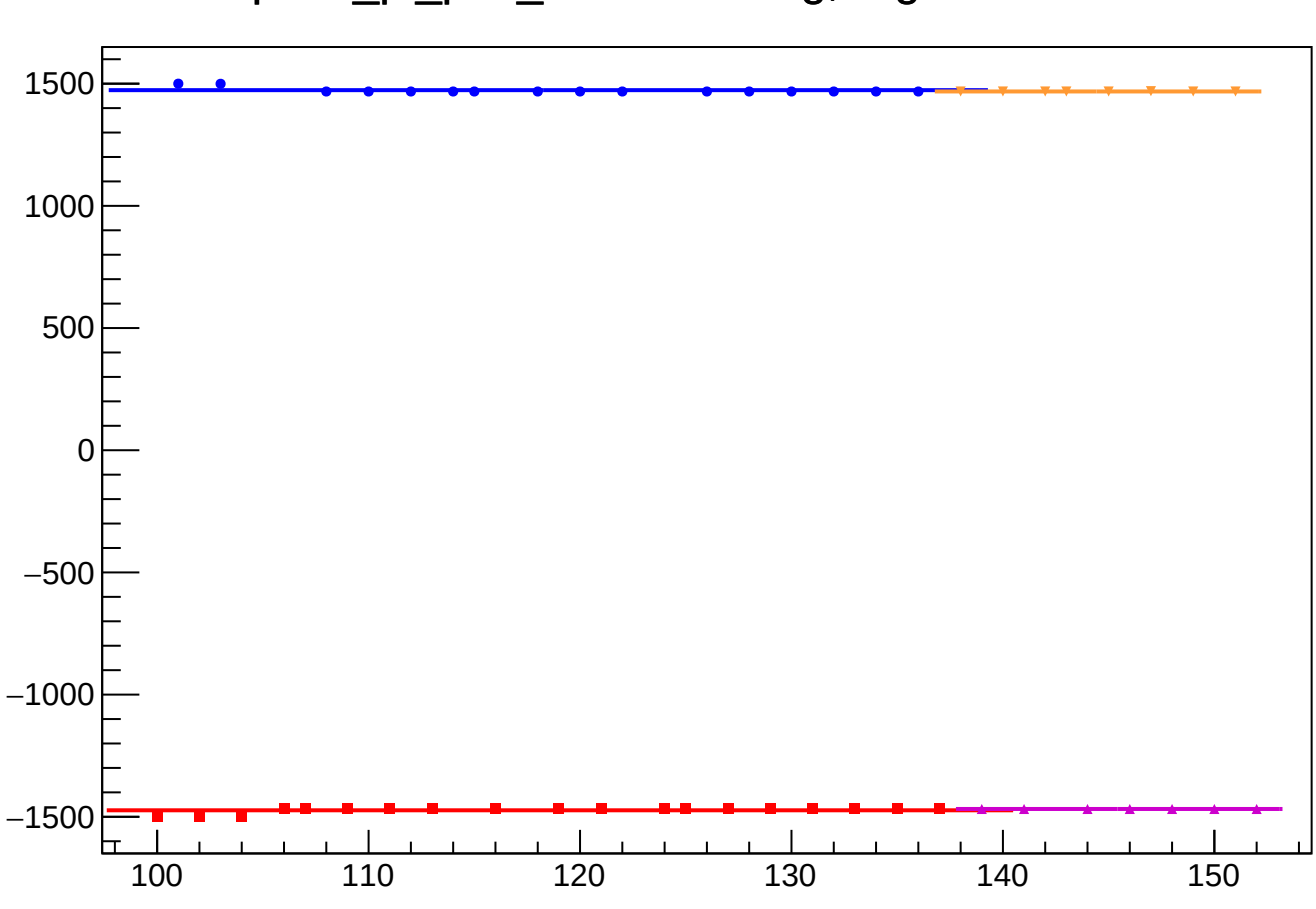
Left: -0.301+/-0.000 χ^2/NDF: 1123576579791553 0

Right: 0.429+/-0.000 χ^2/NDF: 127460075225783 58

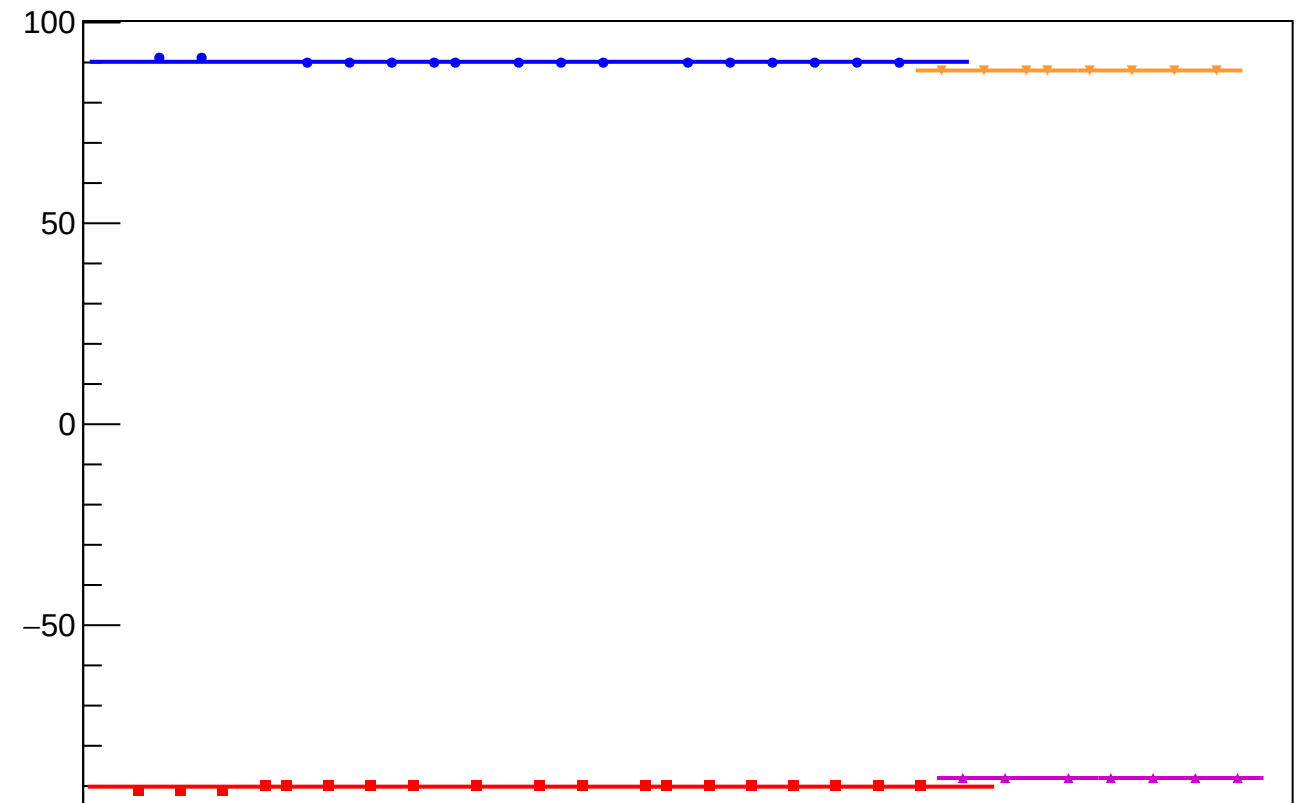
In: -2.030+/-0.000 χ^2/NDF:117842256201634739

Out: 2.165+/-0.000 χ^2/NDF:120788165987104000

All: 0.094+/-0.000 χ^2/NDF: 2398546218259 5


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
Right In: 1473.467+/-0.000 χ²/NDF: 10689419486070617687848579370477158 4.0/15
Left Out: 1468.159+/-0.000 χ²/NDF:1282989116609817094244512259112960.0/7
Right Out: -1473.393+/-0.000 χ²/NDF: 109909499733401078761067843300622336.0/18
Left In: -1467.982+/-0.000 χ²/NDF:30594628742894944602969604096.0/6
Left: 15.010+/-0.000 χ²/NDF: 27562567596048022
Right: -21.516+/-0.000 χ²/NDF: 3264697385914600
In: 118.345+/-0.000 χ²/NDF:29537498454250256
Out: -124.747+/-0.000 χ²/NDF:302701848091976
All: -4.729+/-0.000 χ²/NDF: 6021876316404

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:510929.4/6

Left: 0.895+/-0.000 χ^2/NDF: 990821317351892101

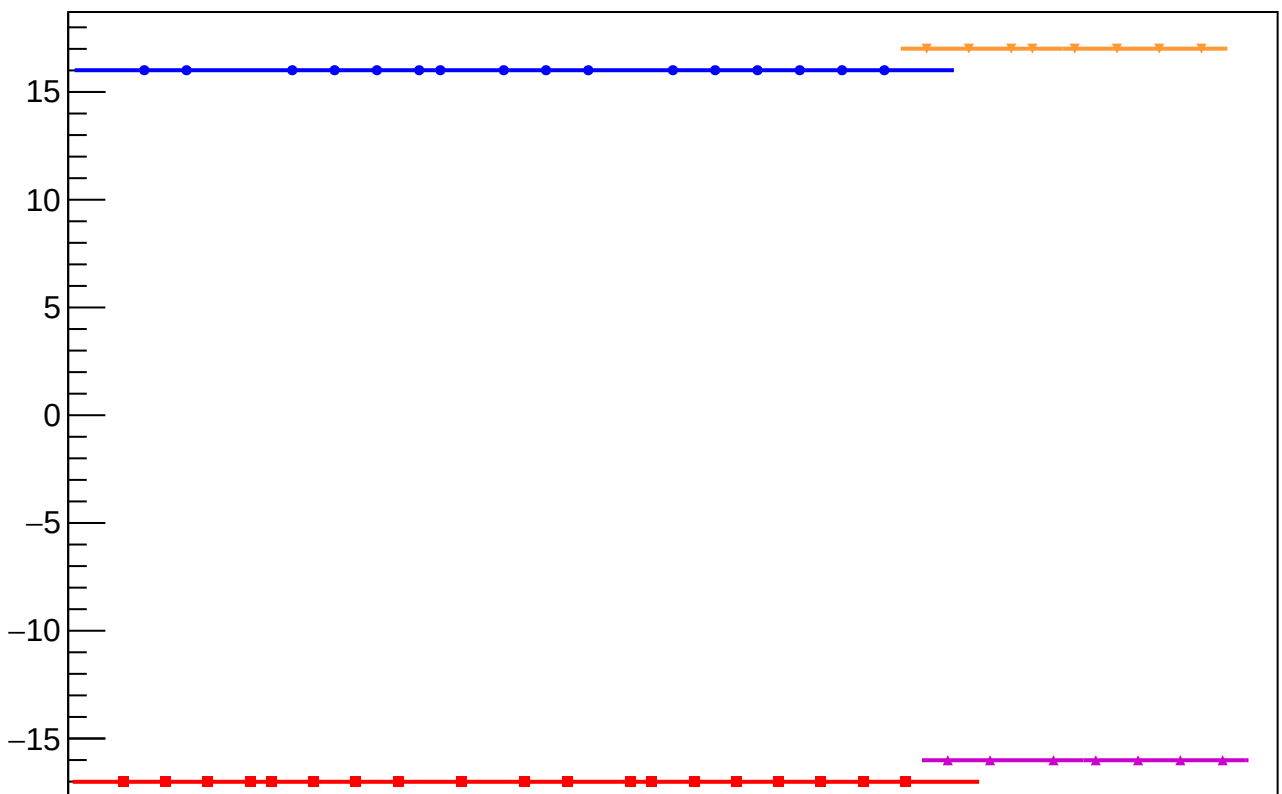
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: 8.079+/-0.000 χ^2/NDF:1083989607397228050

Out: -8.472+/-0.000 χ^2/NDF:11107528539038162

All: -0.301+/-0.000 χ^2/NDF: 2213799909444

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:58565.0/6

Left: 0.402+/-0.000 χ^2/NDF: 322968631249525201

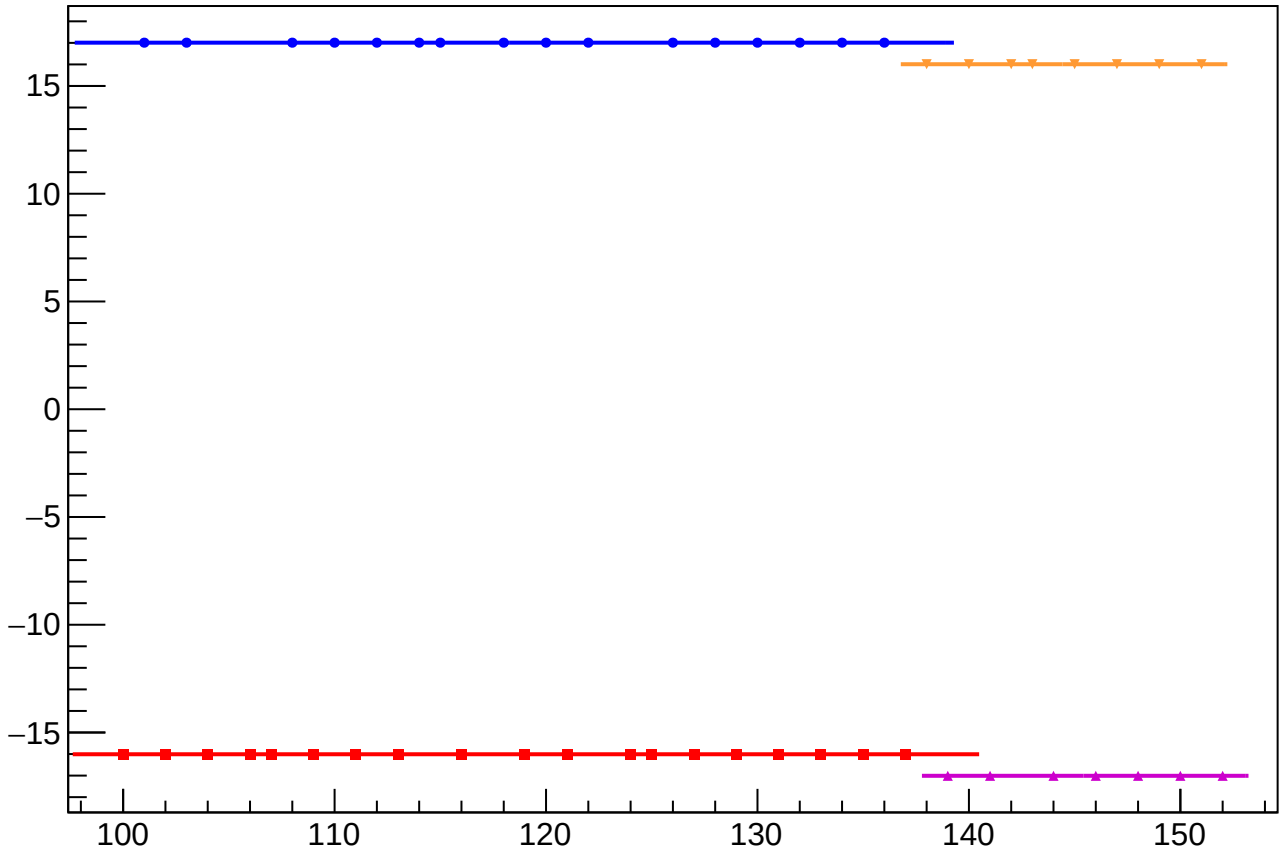
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: 1.307+/-0.000 χ^2/NDF:330458879422910719

Out: -1.380+/-0.000 χ^2/NDF:36846047578314344

All: -0.028+/-0.000 χ^2/NDF: 7035769921086

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:10488.7/6

Left: -0.448+/-0.000 χ^2/NDF: 34614708405108863

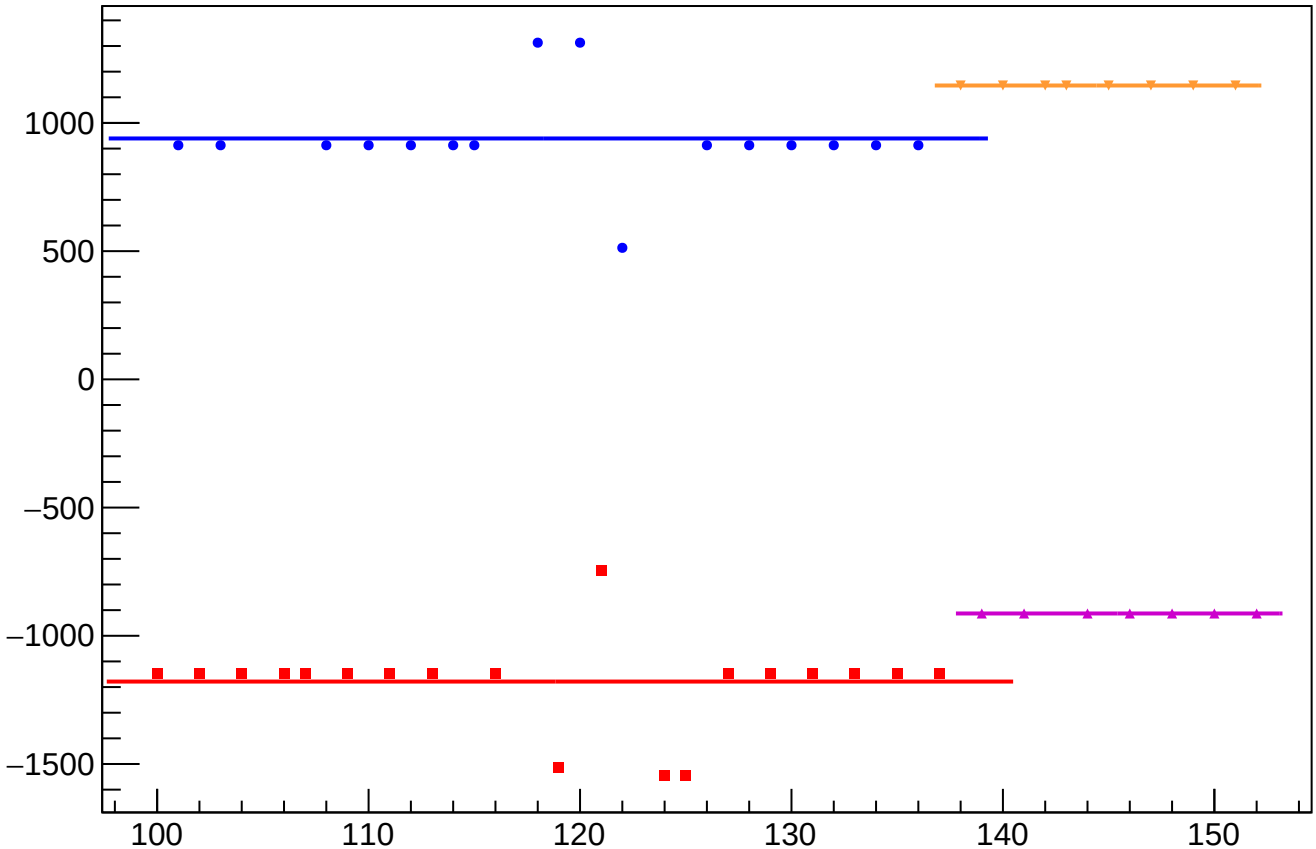
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: 0.939+/-0.000 χ^2/NDF:386504921910534880

Out: -1.399+/-0.000 χ^2/NDF:35506227906482298

All: -0.254+/-0.000 χ^2/NDF: 7453059005555

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Left Out: 1146.011+/-0.000 χ^2/NDF:2361135657081856463827107840.0/7

Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

Left In: -912.993+/-0.000 χ^2/NDF:887031589781320492086460416O.0/6

Left: 126.973+/-0.000 χ^2/NDF: 1355439007092982

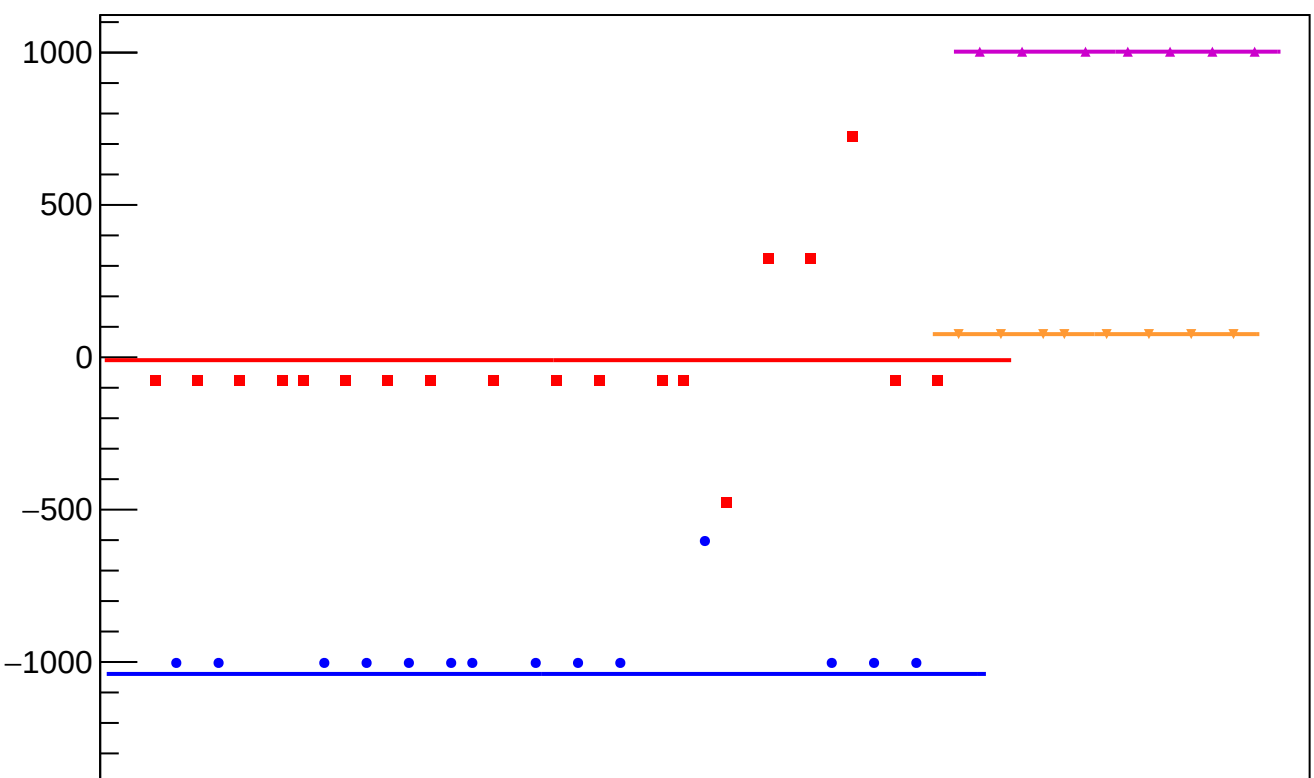
Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

In: 86.030+/-0.000 χ^2/NDF:119253136567811613

Out: -112.763+/-0.000 χ^2/NDF:191236737953495

All: -14.617+/-0.000 χ^2/NDF: 313238934184

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:120312607177400793383410073 6.0/6

Left: 534.789+/-0.000 χ^2/NDF: 2747295253732448

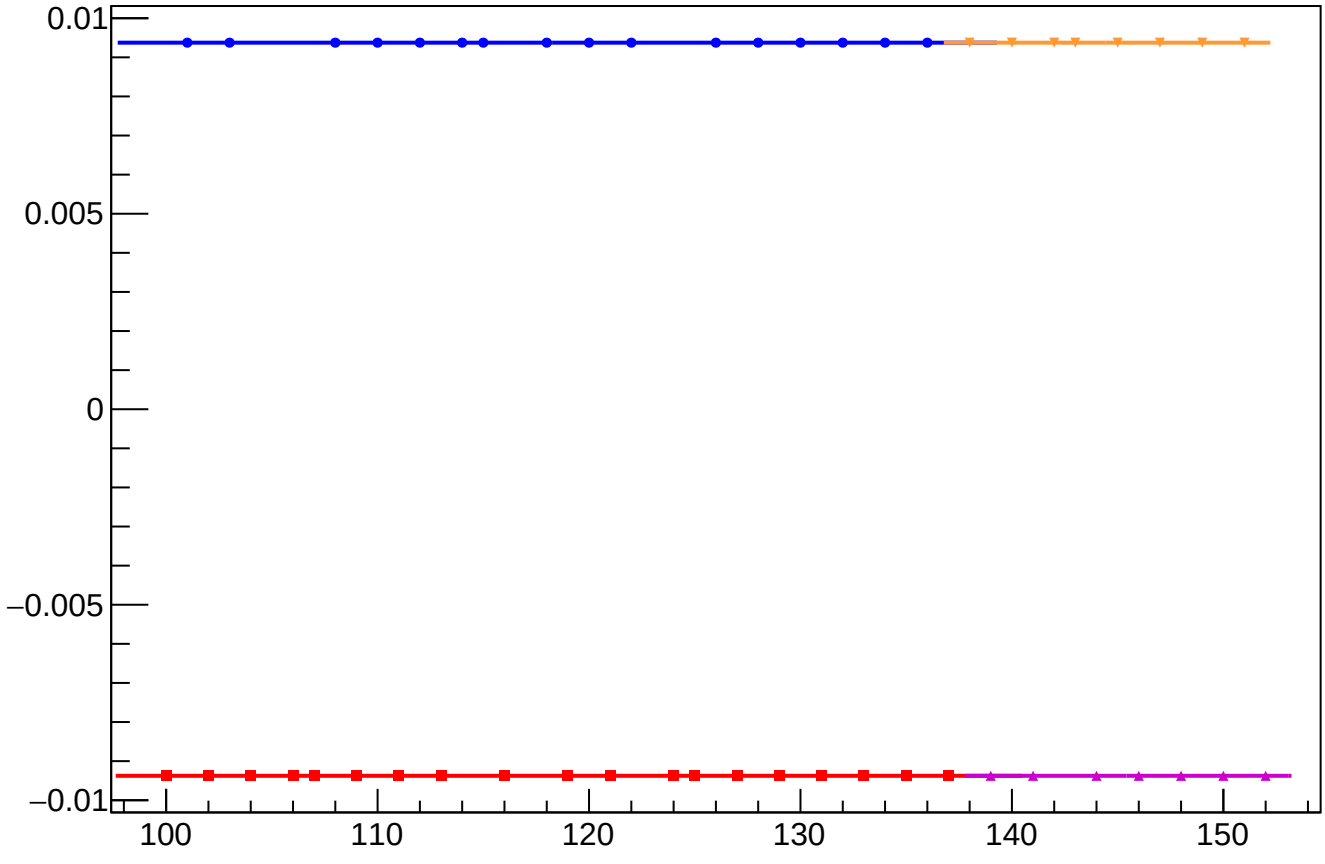
Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

In: -98.343+/-0.000 χ^2/NDF:14465386556116605

Out: 29.743+/-0.000 χ^2/NDF:4861114296421502

All: -33.494+/-0.000 χ^2/NDF: 150656238506

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:0.0/6

Left: 0.000+/-0.000 χ^2/NDF: 112400495992962882

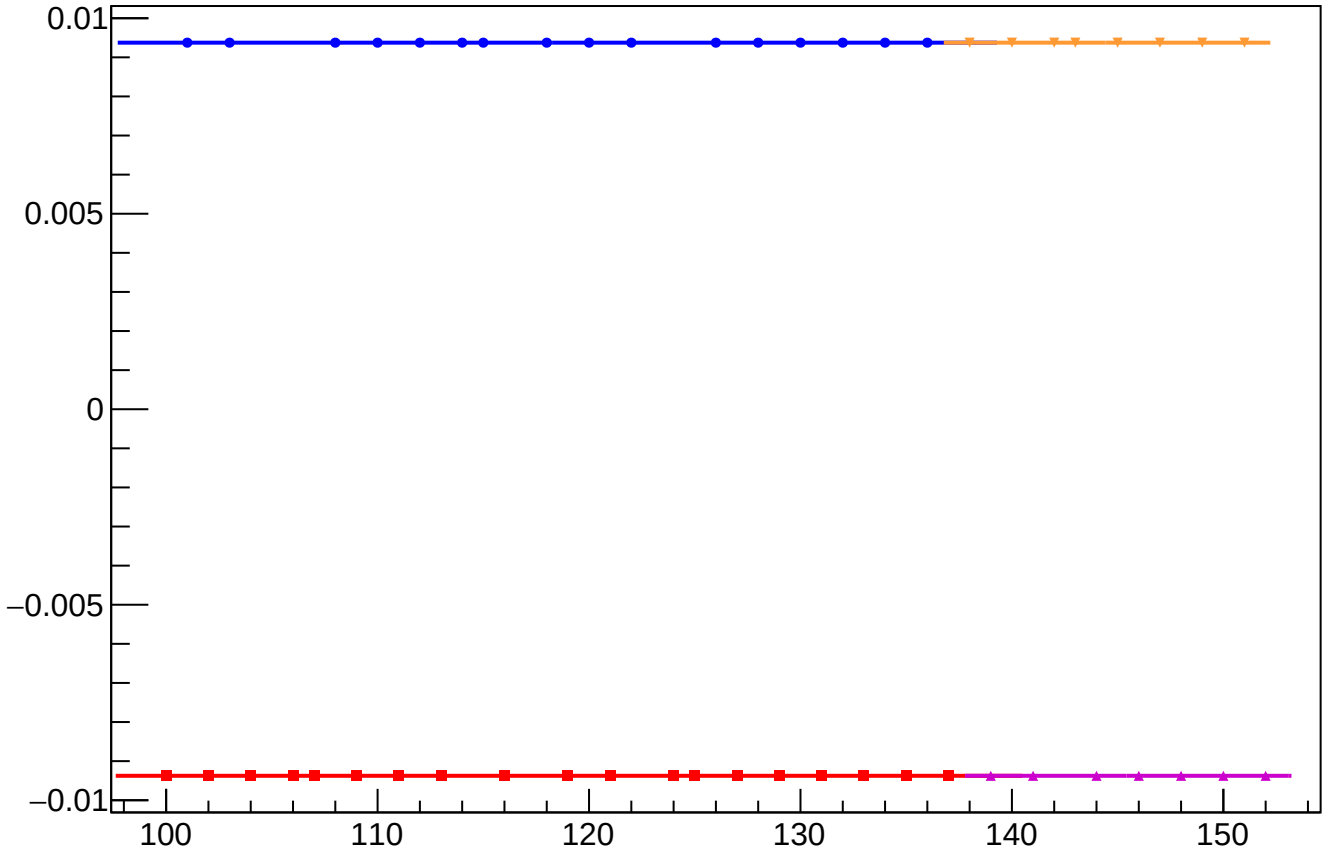
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:1200156079421394887

Out: -0.001+/-0.000 χ^2/NDF:12298399795954556

All: -0.000+/-0.000 χ^2/NDF: 2445970512935

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:0.0/6

Left: 0.000+/-0.000 χ^2/NDF: 112400495992962882

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:1200156079421394887

Out: -0.001+/-0.000 χ^2/NDF:12298399795954556

All: -0.000+/-0.000 χ^2/NDF: 2445970512935