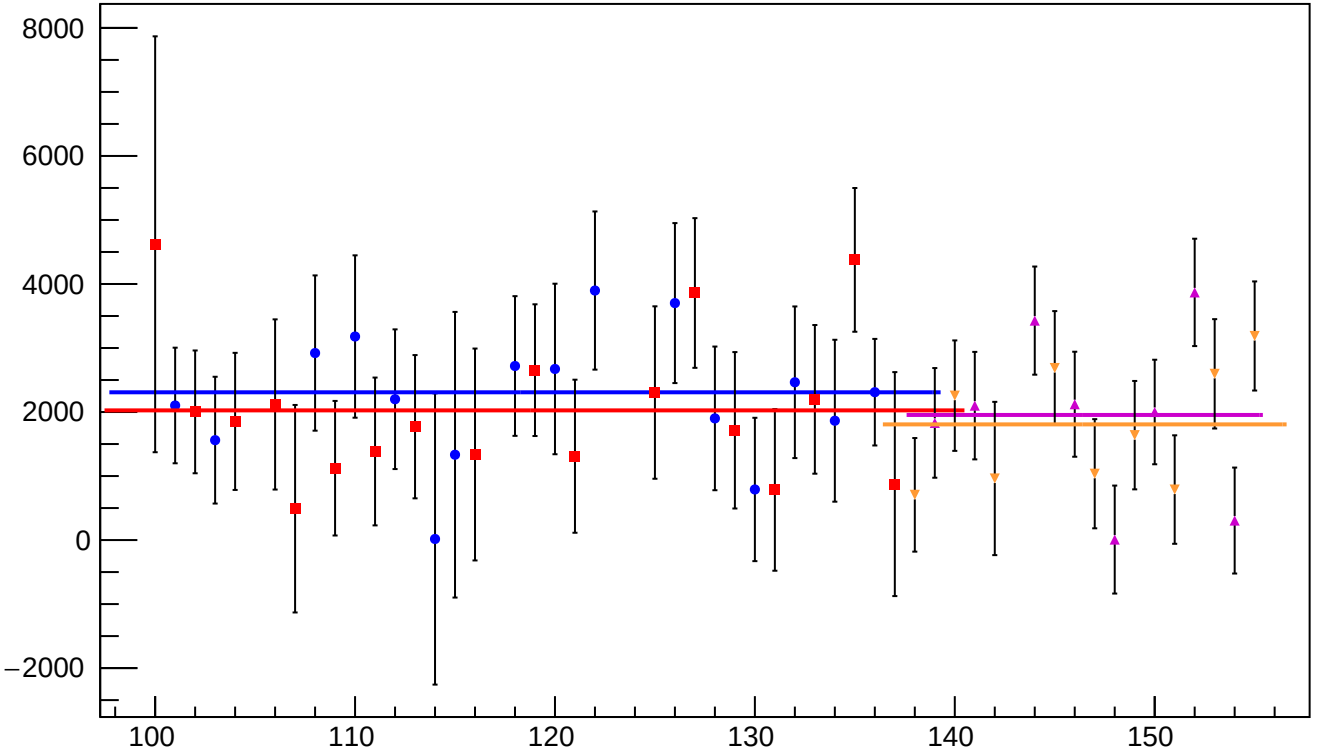
reg_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1806.968+/-295.048 χ^2/NDF:9.1/8

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

Left In: 1954.189+/-295.421 χ^2/NDF:17.7/7

Left: 1880.485+/-208.762 χ^2/NDF: 26.8/16

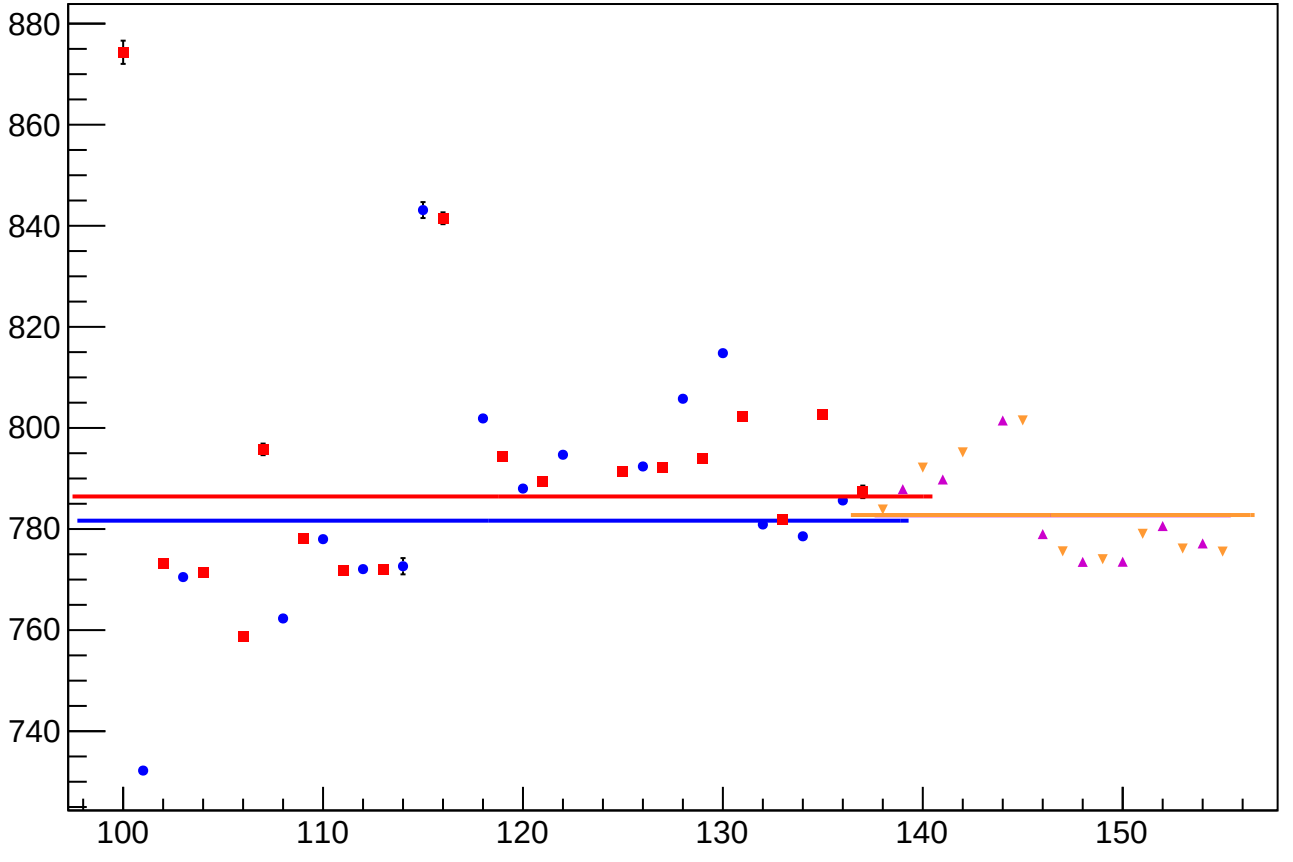
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

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

Out: 1918.260+/-206.749 χ^2/NDF:21.3/26

All: 2026.036+/-146.320 χ^2/NDF: 48.0/50

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 782.771+/-0.209 χ^2/NDF:1998.7/8

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

Left In: 782.720+/-0.209 χ^2/NDF:1838.3/7

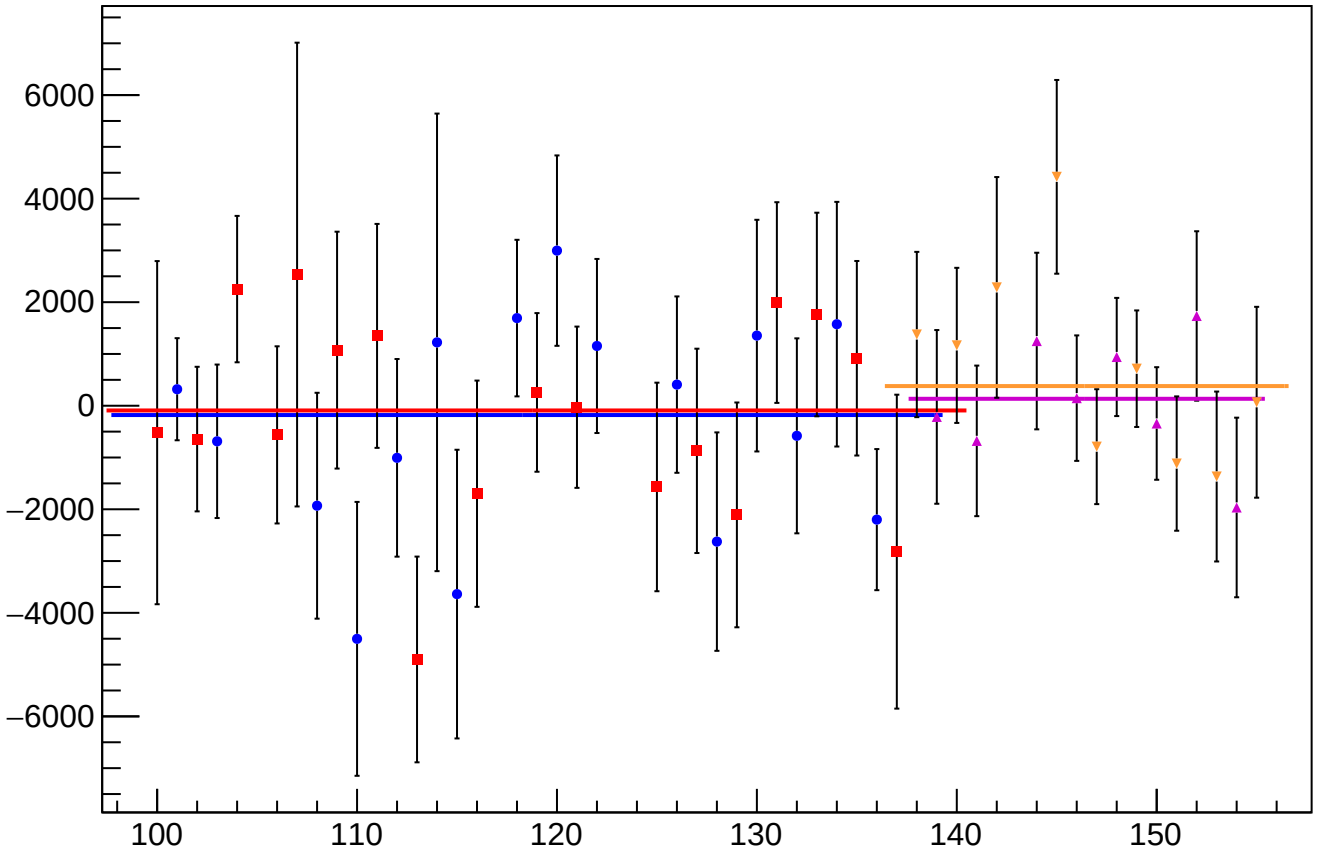
Left: 782.746+/-0.148 χ^2/NDF: 3837.0/16

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

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

Out: 784.640+/-0.146 χ^2/NDF:9358.0/26

All: 783.411+/-0.103 χ^2/NDF: 23670.1/50



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

Left Out: 379.621+/-487.645 χ^2/NDF:9.8/8

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

Left In: 133.958+/-489.530 χ^2/NDF:3.9/7

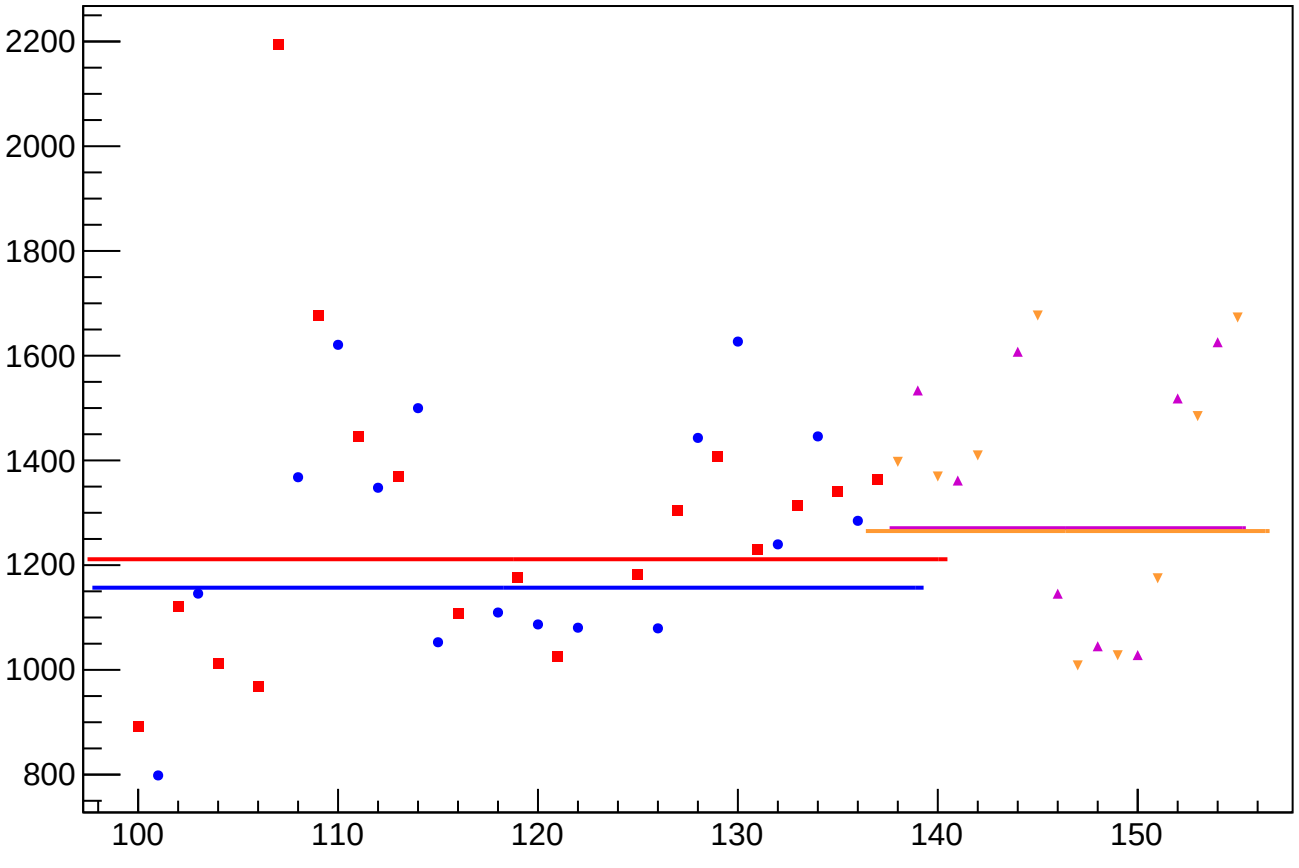
Left: 257.264+/-345.482 χ^2/NDF: 13.8/16

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

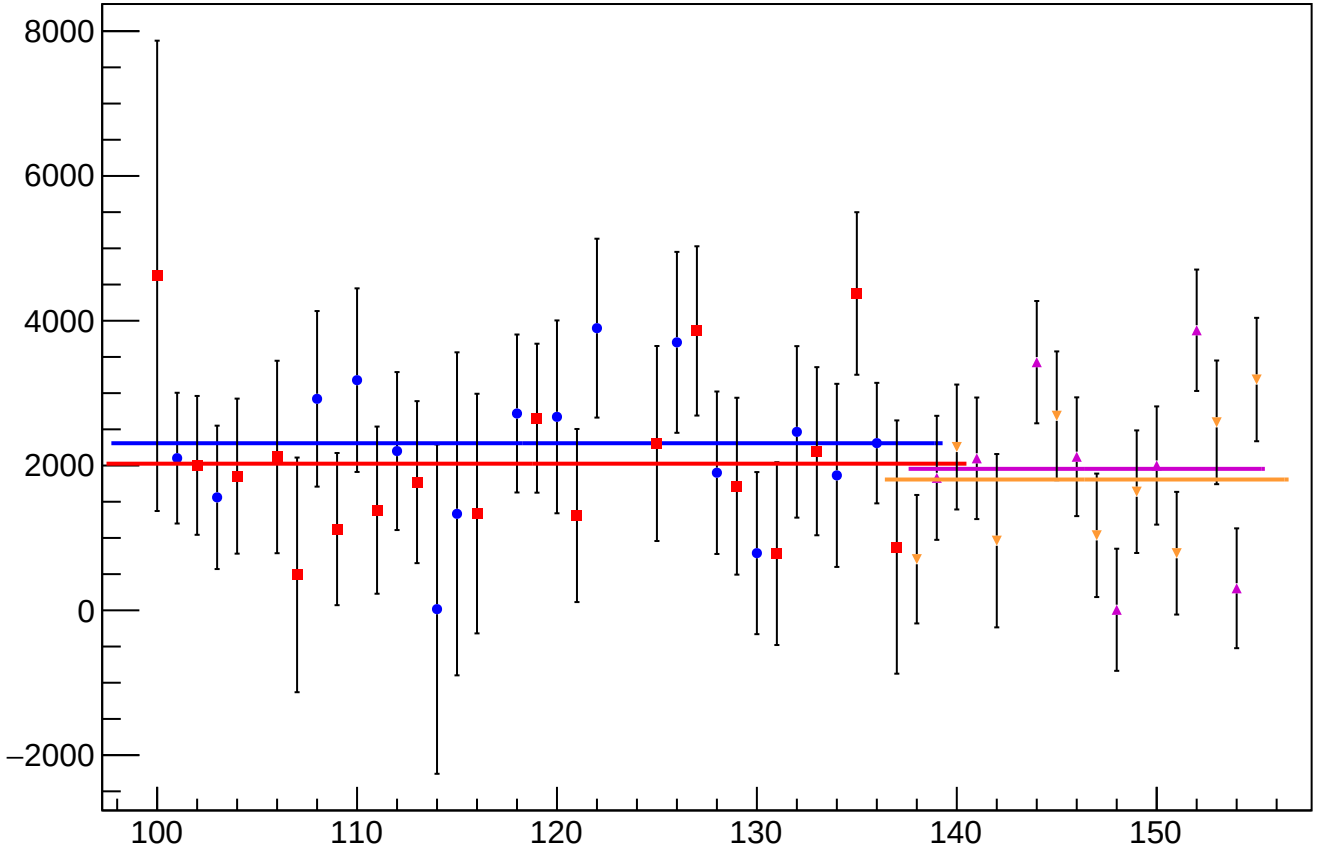
In: -39.392+/-327.558 χ^2/NDF:19.5/23

Out: 127.781+/-332.602 χ^2/NDF:25.5/26

All: 42.917+/-233.381 χ^2/NDF: 45.2/50


asym_us_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1156.948+/-0.312 χ²/NDF: 569119.8/15
Left Out: 1265.102+/-0.345 χ²/NDF:468494.3/8
Right Out: 1211.264+/-0.322 χ²/NDF: 397714.5/17
Left In: 1270.526+/-0.346 χ²/NDF:463522.2/7
Left: 1267.803+/-0.244 χ²/NDF: 932139.7/16
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1207.800+/-0.232 χ²/NDF:1092099.3/23
Out: 1236.309+/-0.235 χ²/NDF:879246.1/26
All: 1221.837+/-0.165 χ²/NDF: 1978804.7/50

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1806.968+/-295.048 χ^2/NDF:9.1/8

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

Left In: 1954.189+/-295.421 χ^2/NDF:17.7/7

Left: 1880.485+/-208.762 χ^2/NDF: 26.8/16

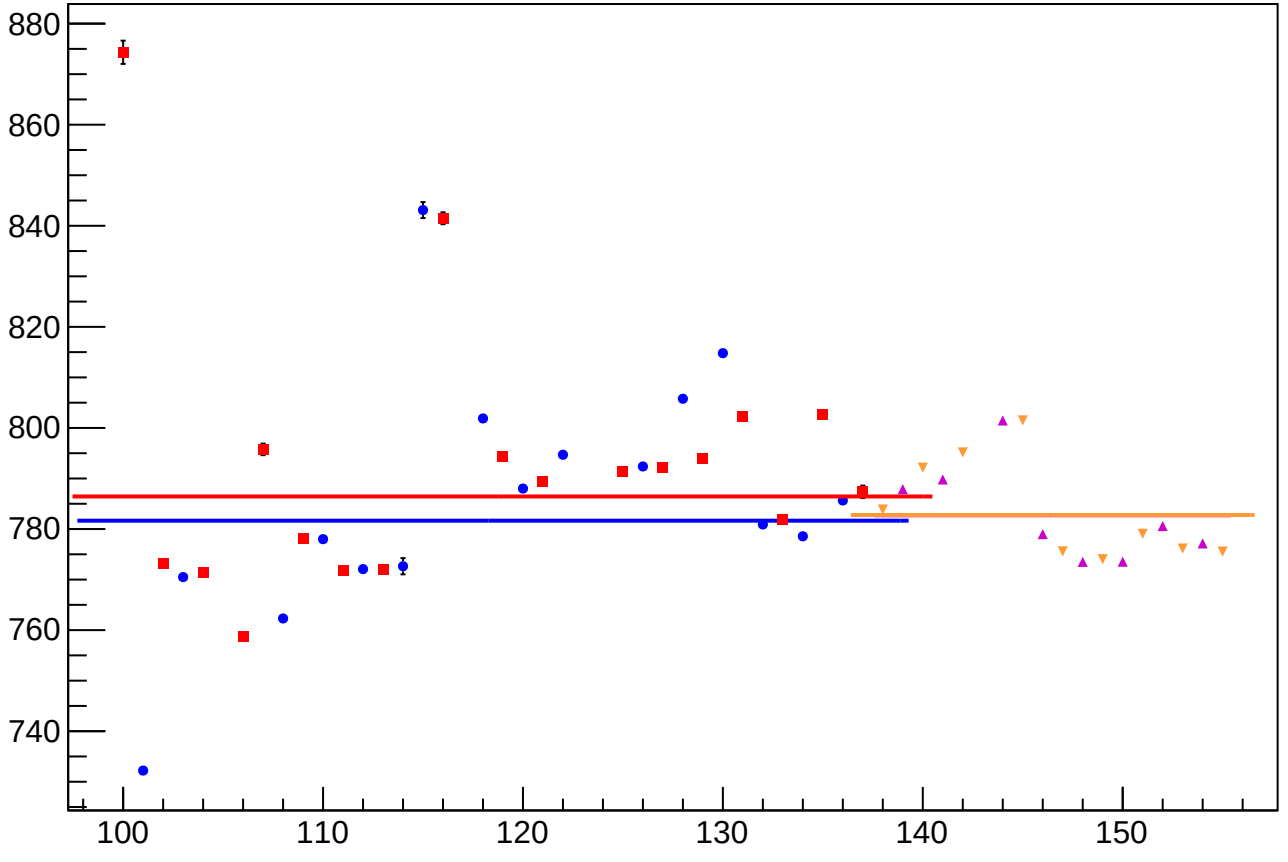
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

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

Out: 1918.260+/-206.749 χ^2/NDF:21.3/26

All: 2026.036+/-146.320 χ^2/NDF: 48.0/50

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 782.771+/-0.209 χ^2/NDF:1998.7/8

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

Left In: 782.720+/-0.209 χ^2/NDF:1838.3/7

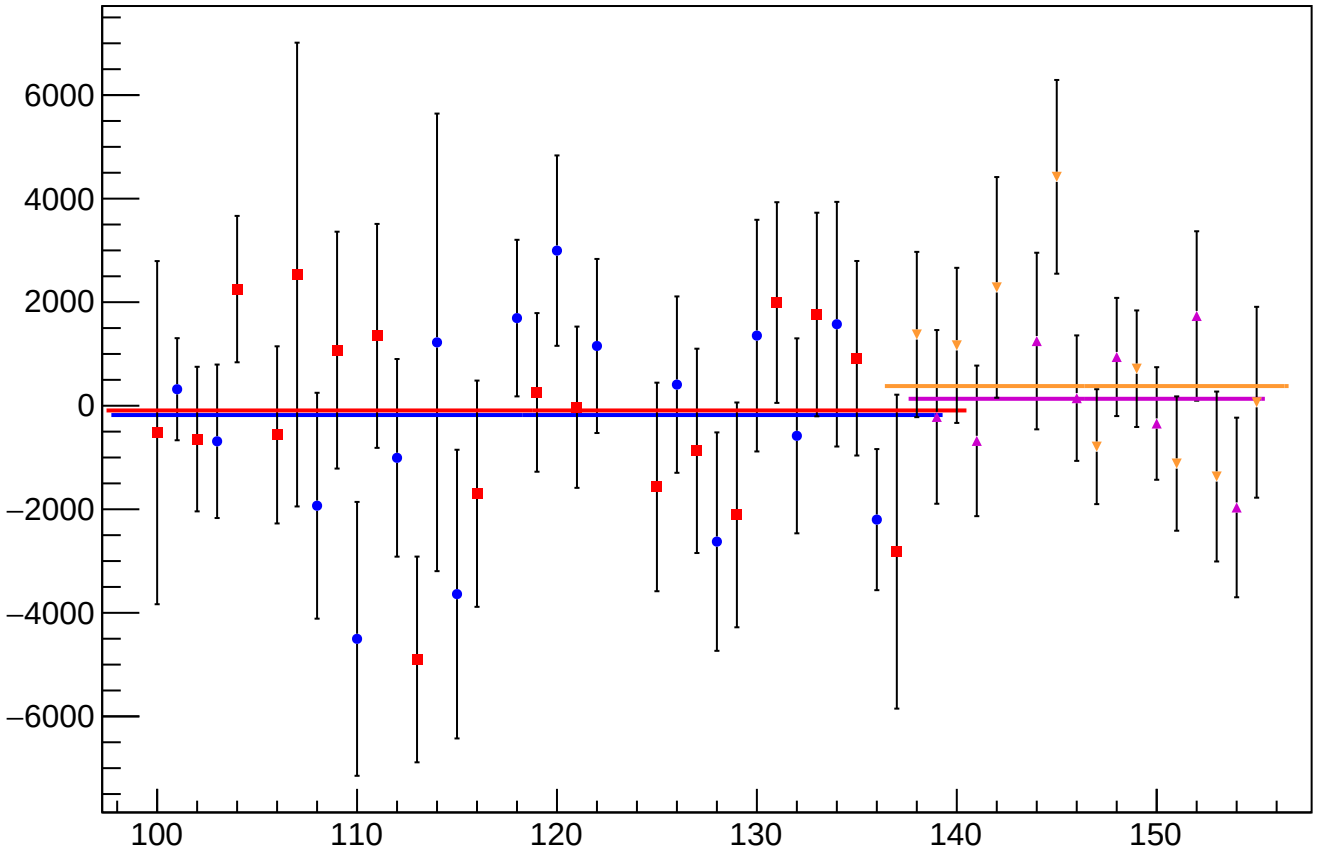
Left: 782.746+/-0.148 χ^2/NDF: 3837.0/16

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

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

Out: 784.640+/-0.146 χ^2/NDF:9358.0/26

All: 783.411+/-0.103 χ^2/NDF: 23670.1/50



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

Left Out: 379.621+/-487.645 χ^2/NDF:9.8/8

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

Left In: 133.958+/-489.530 χ^2/NDF:3.9/7

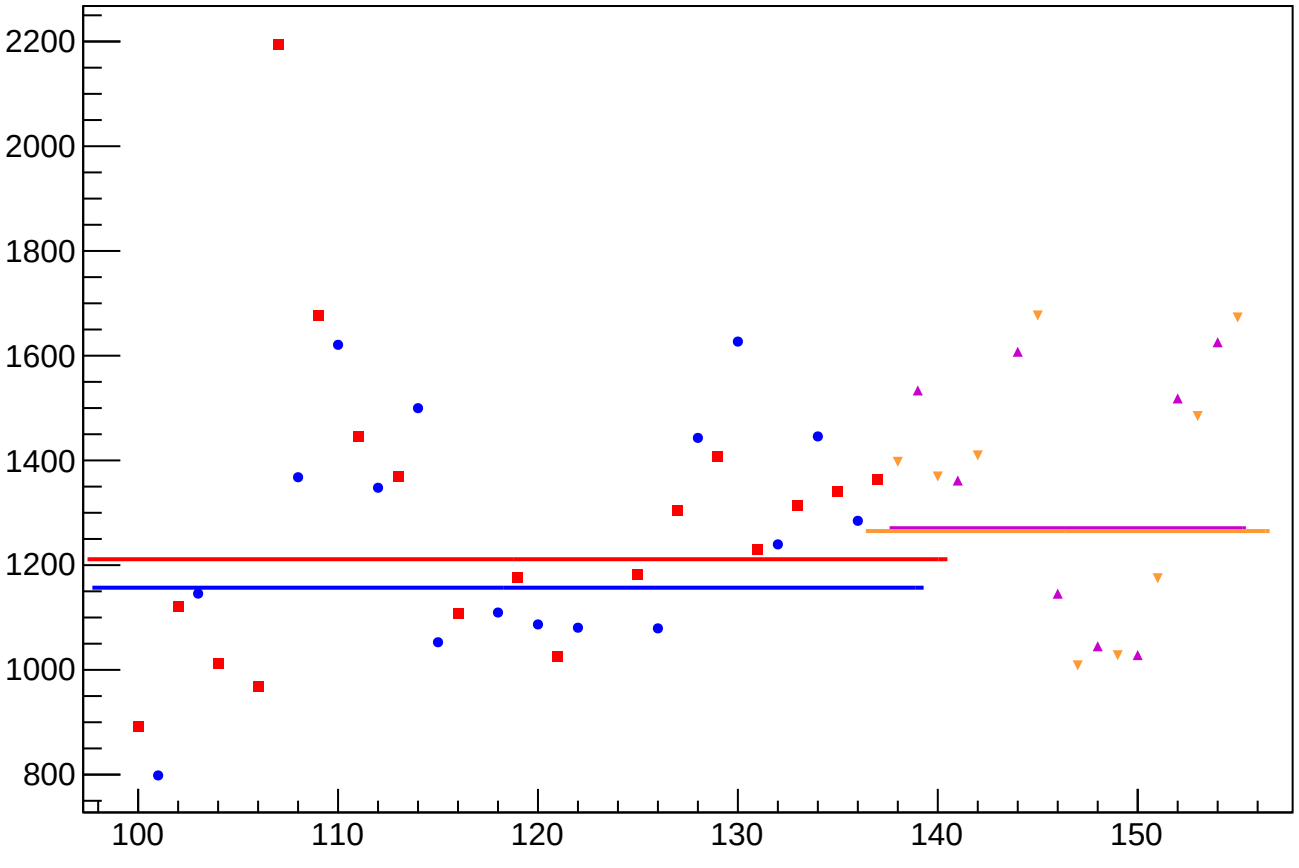
Left: 257.264+/-345.482 χ^2/NDF: 13.8/16

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

In: -39.392+/-327.558 χ^2/NDF:19.5/23

Out: 127.781+/-332.602 χ^2/NDF:25.5/26

All: 42.917+/-233.381 χ^2/NDF: 45.2/50



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

Left Out: 1265.102+/-0.345 χ^2/NDF:468494.3/8

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

Left In: 1270.526+/-0.346 χ^2/NDF:463522.2/7

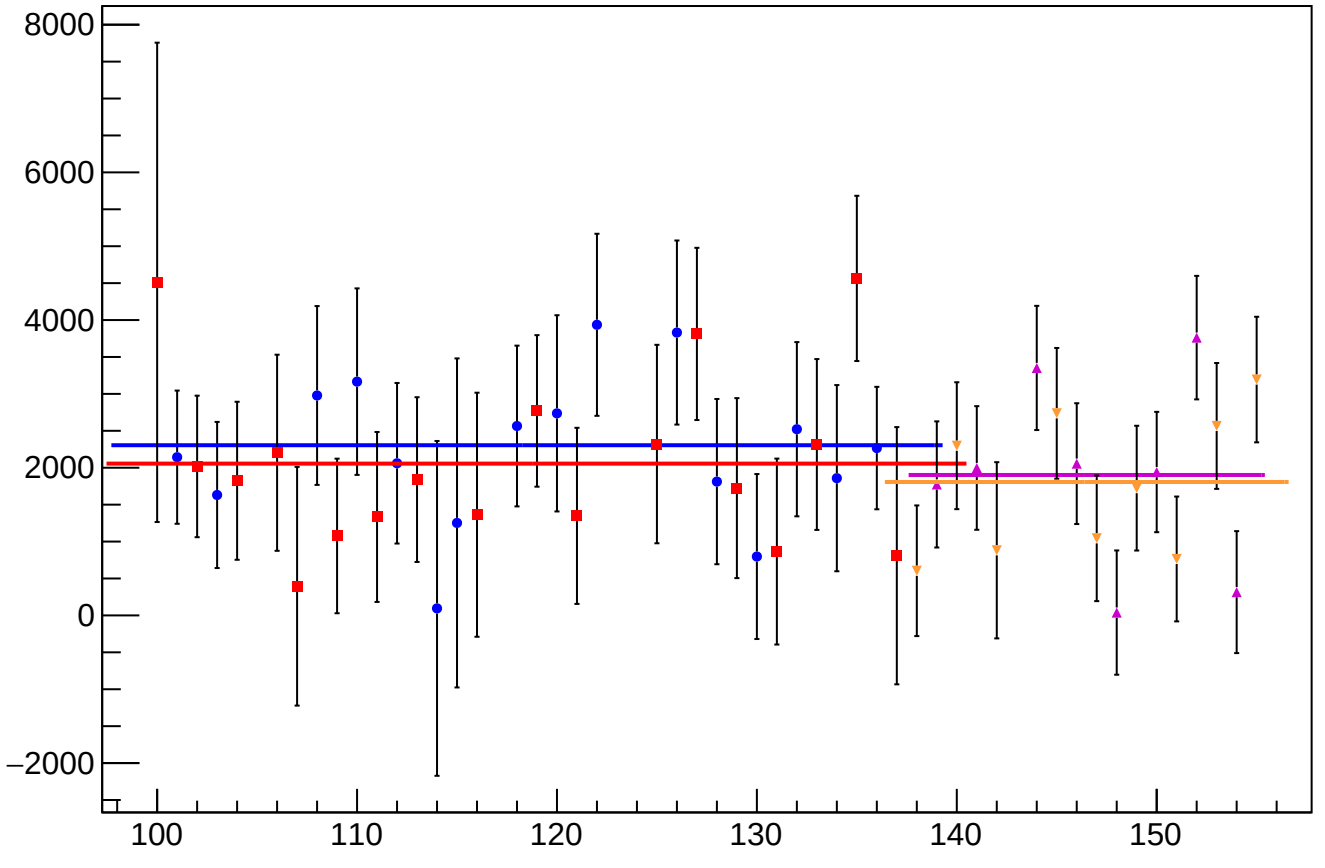
Left: 1267.803+/-0.244 χ^2/NDF: 932139.7/16

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

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

Out: 1236.309+/-0.235 χ^2/NDF:879246.1/26

All: 1221.837+/-0.165 χ^2/NDF: 1978804.7/50



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

Left Out: 1807.024+/-294.216 χ^2/NDF:9.7/8

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

Left In: 1901.933+/-294.624 χ^2/NDF:16.6/7

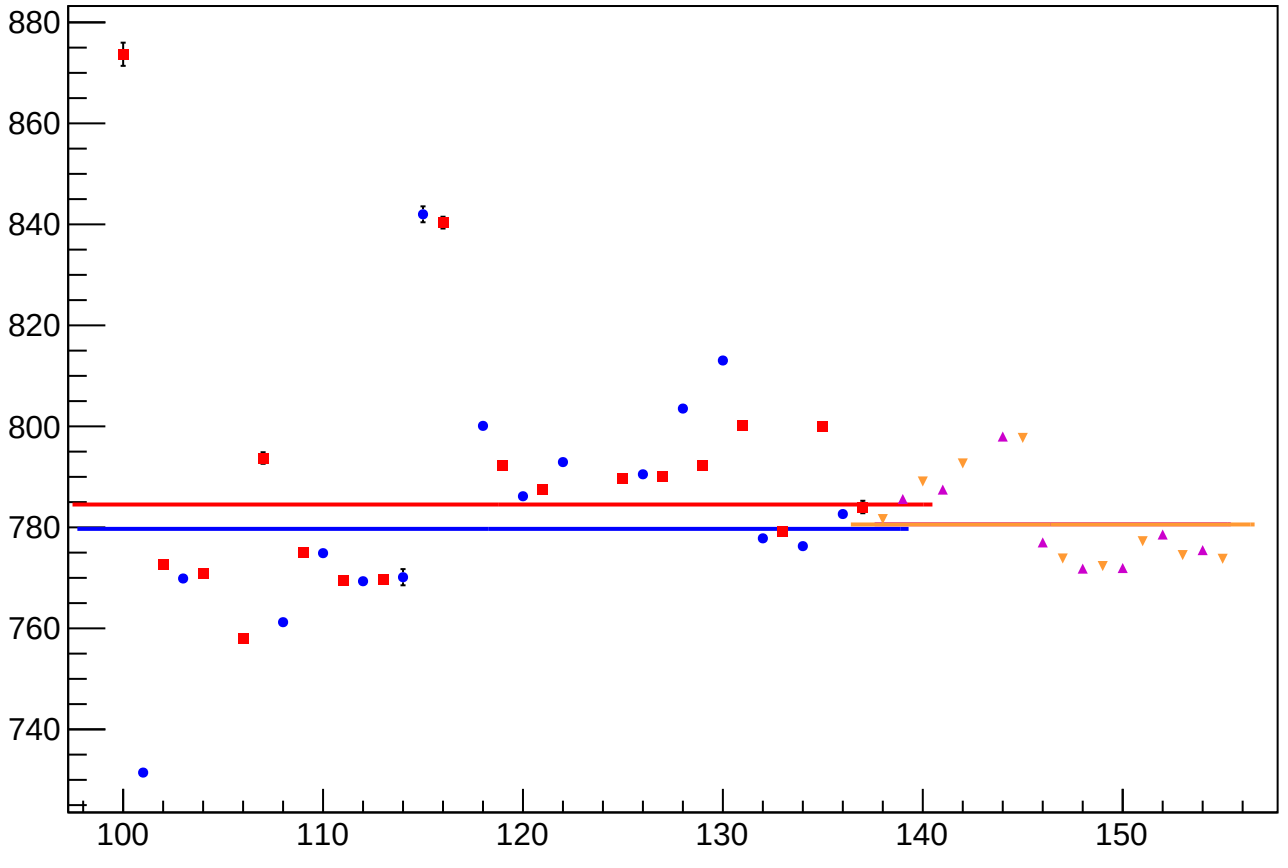
Left: 1854.412+/-208.186 χ^2/NDF: 26.3/16

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

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

Out: 1933.530+/-206.206 χ^2/NDF:22.9/26

All: 2020.005+/-145.938 χ^2/NDF: 48.9/50



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

Left Out: 780.573+/-0.208 χ^2/NDF:1729.9/8

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

Left In: 780.616+/-0.208 χ^2/NDF:1627.8/7

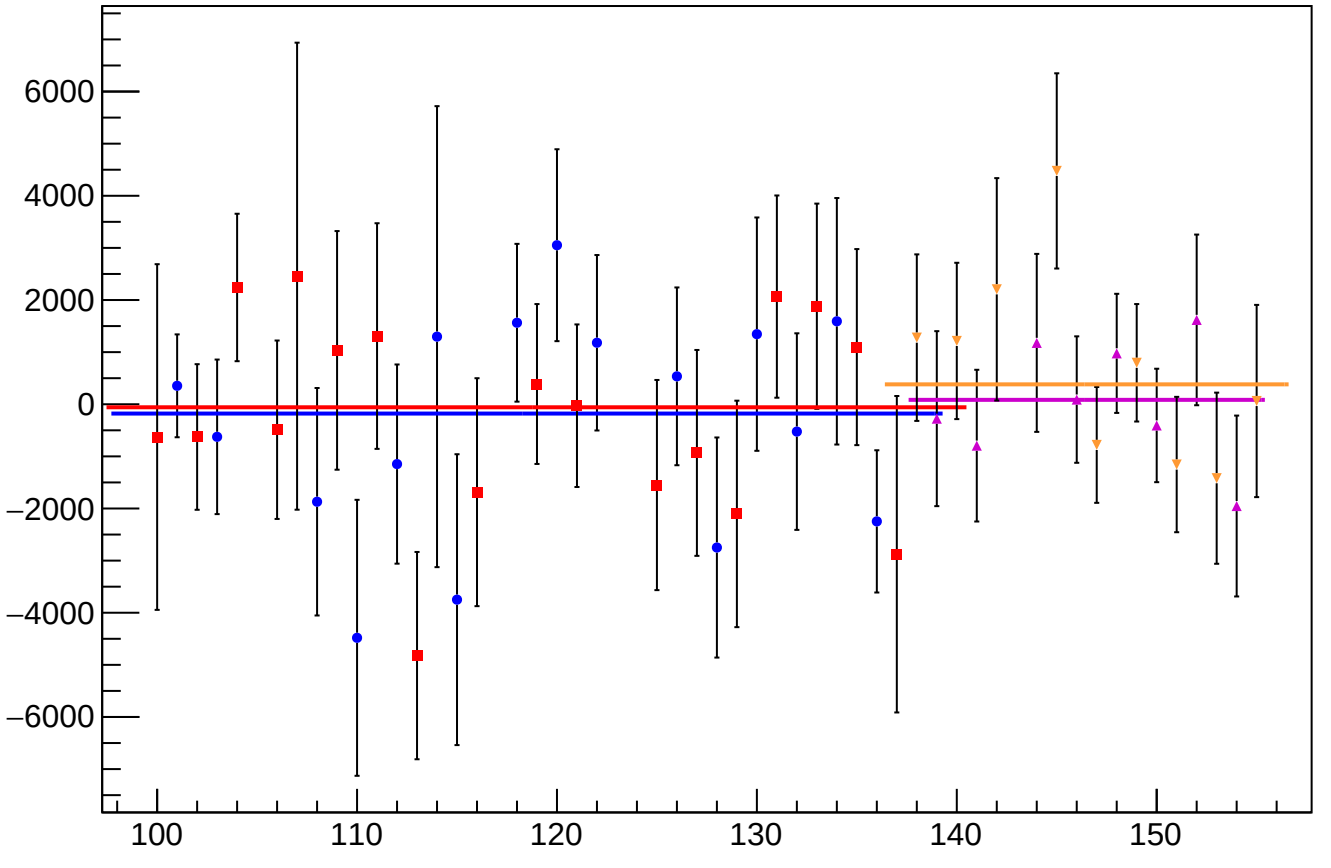
Left: 780.595+/-0.147 χ^2/NDF: 3357.7/16

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

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

Out: 782.584+/-0.146 χ^2/NDF:9073.5/26

All: 781.370+/-0.103 χ^2/NDF: 22910.2/50



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

Left Out: 381.918+/-488.168 χ^2/NDF:10.0/8

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

Left In: 84.574+/-490.020 χ^2/NDF:3.9/7

Left: 233.809+/-345.840 χ^2/NDF: 14.1/16

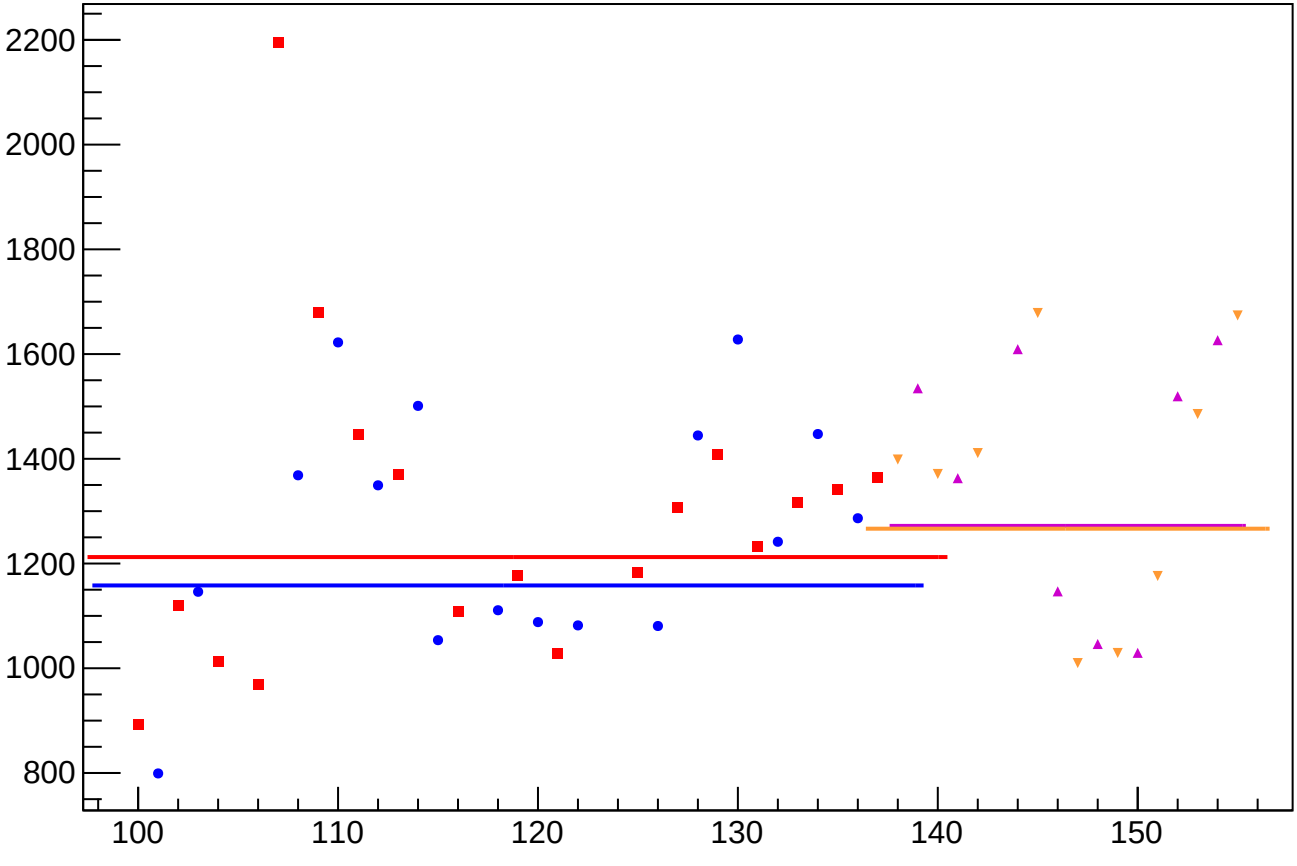
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: -60.688+/-327.888 χ^2/NDF:19.7/23

Out: 146.591+/-332.927 χ^2/NDF:25.7/26

All: 41.371+/-233.613 χ^2/NDF: 45.6/50

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: 1266.525+/-0.345 χ^2/NDF:467453.0/8

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

Left In: 1271.848+/-0.346 χ^2/NDF:462619.7/7

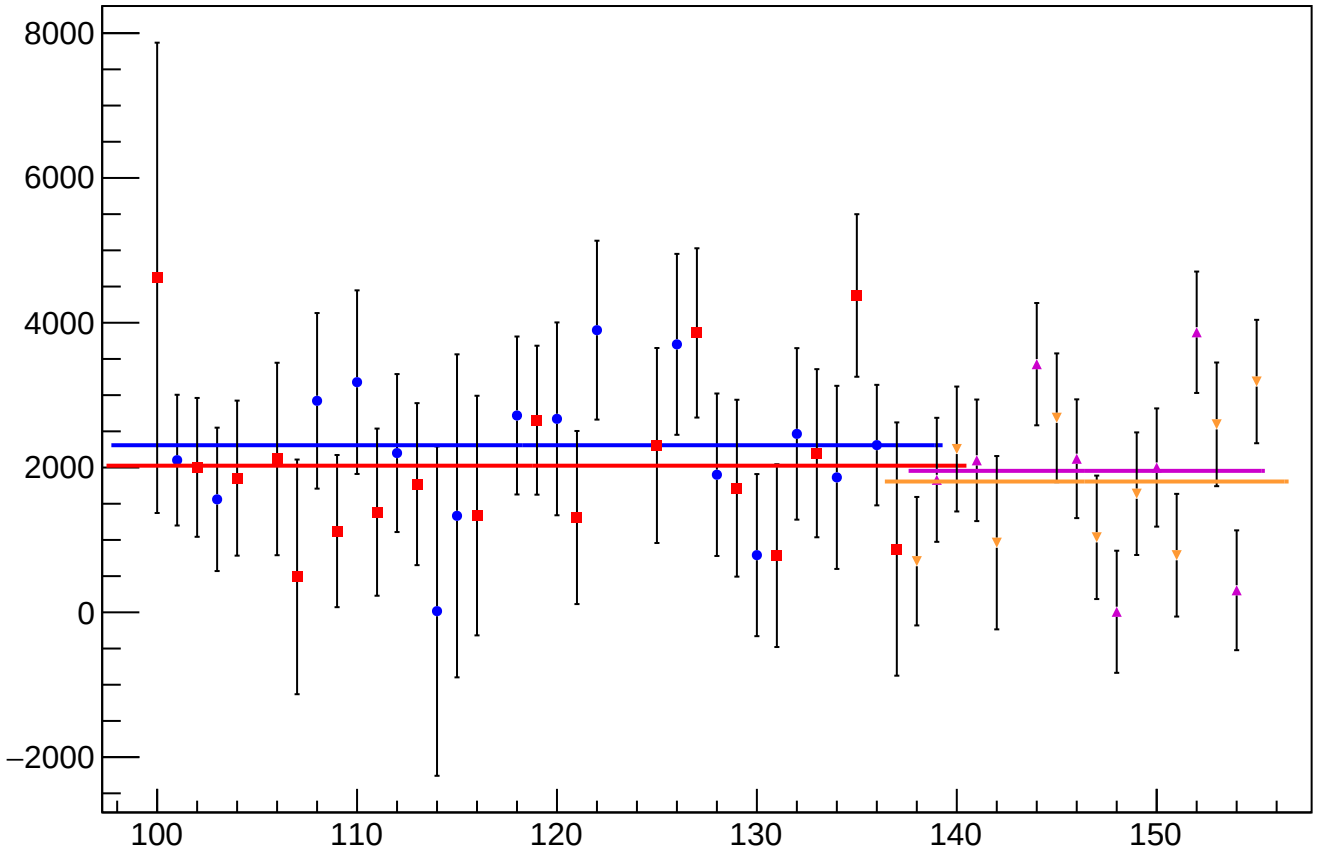
Left: 1269.176+/-0.245 χ^2/NDF: 930191.2/16

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

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

Out: 1237.546+/-0.235 χ^2/NDF:878567.7/26

All: 1223.079+/-0.165 χ^2/NDF: 1977252.3/50



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

Left Out: 1806.968+/-295.048 χ^2/NDF:9.1/8

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

Left In: 1954.189+/-295.421 χ^2/NDF:17.7/7

Left: 1880.485+/-208.762 χ^2/NDF: 26.8/16

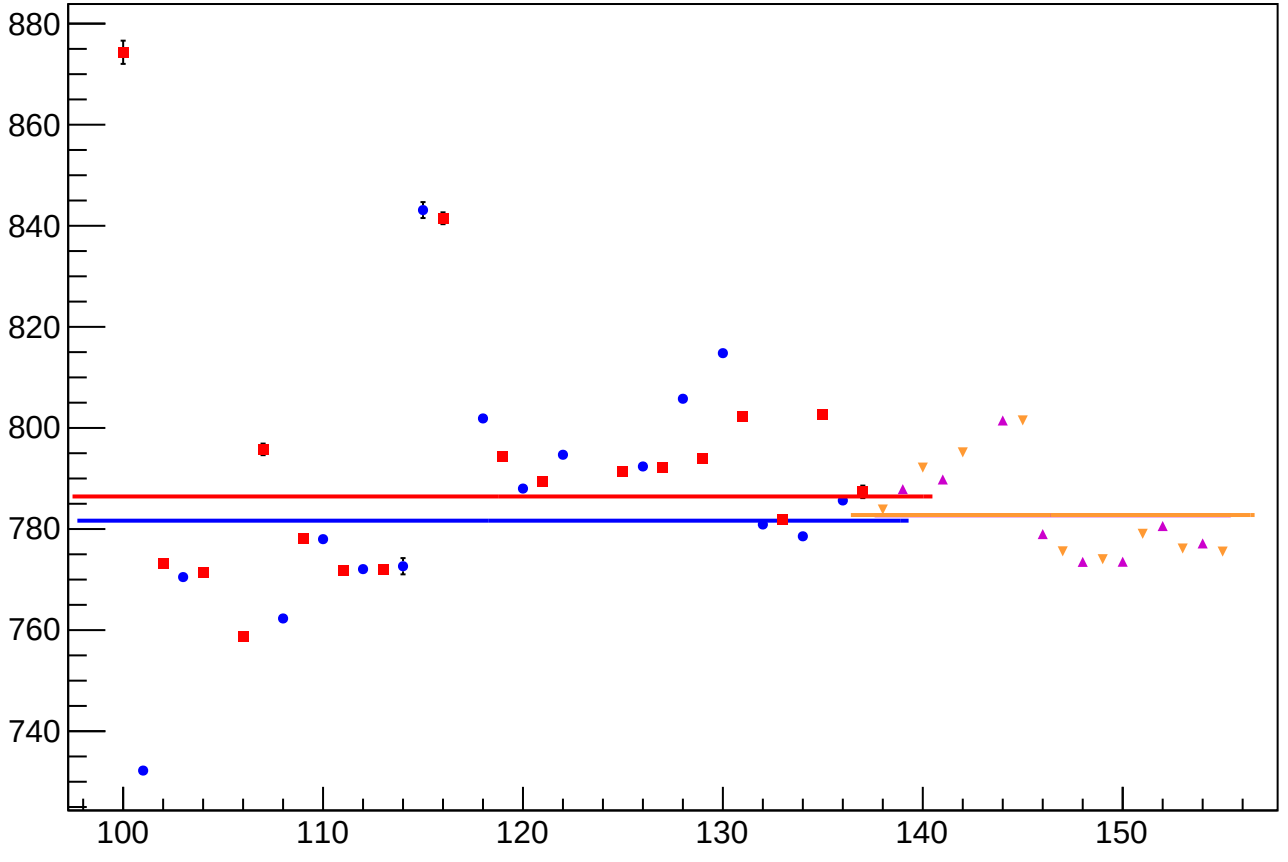
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

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

Out: 1918.260+/-206.749 χ^2/NDF:21.3/26

All: 2026.036+/-146.320 χ^2/NDF: 48.0/50

eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 782.771+/-0.209 χ^2/NDF:1998.7/8

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

Left In: 782.720+/-0.209 χ^2/NDF:1838.3/7

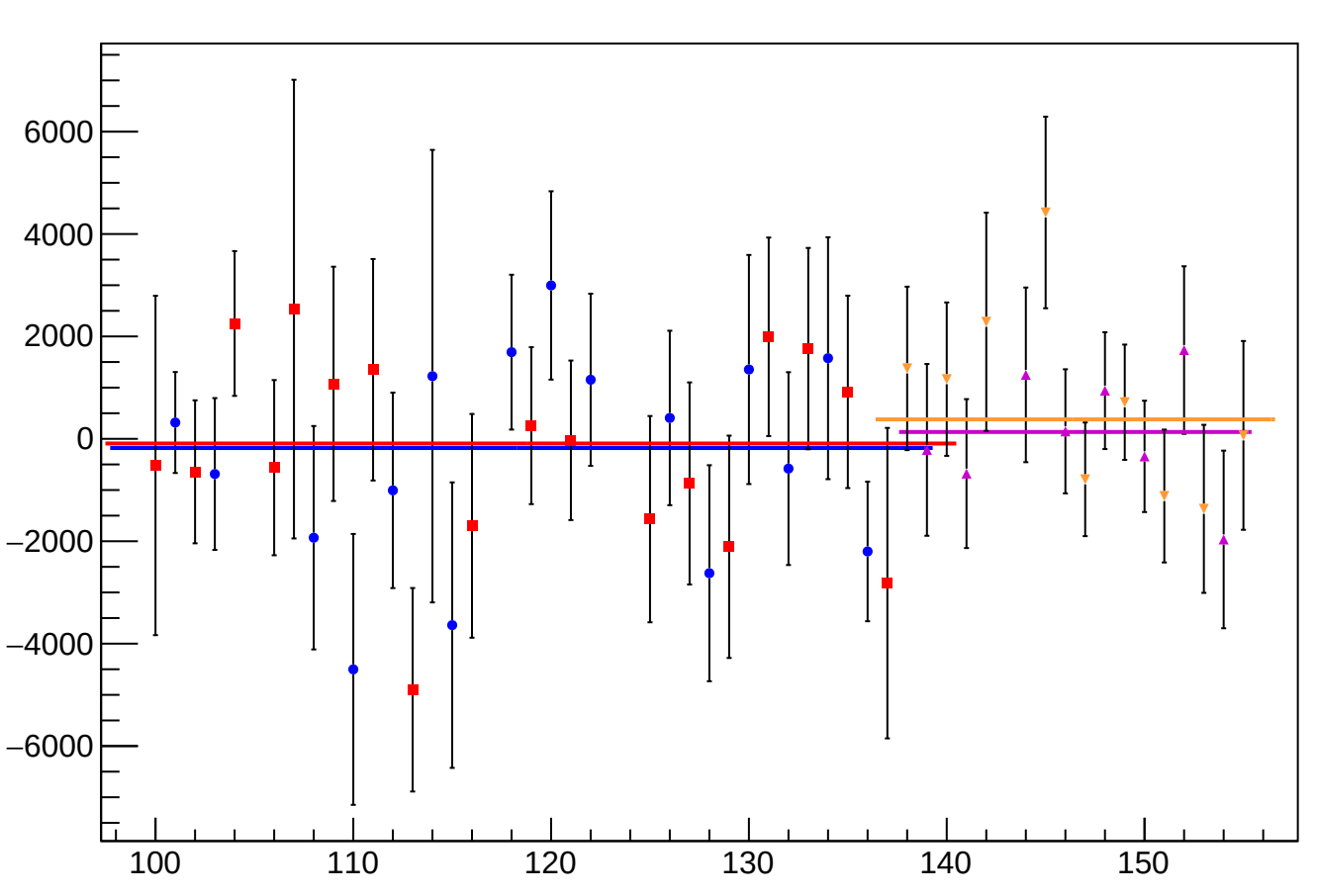
Left: 782.746+/-0.148 χ^2/NDF: 3837.0/16

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

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

Out: 784.640+/-0.146 χ^2/NDF:9358.0/26

All: 783.411+/-0.103 χ^2/NDF: 23670.1/50



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

Left Out: 379.621+/-487.645 χ^2/NDF:9.8/8

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

Left In: 133.958+/-489.530 χ^2/NDF:3.9/7

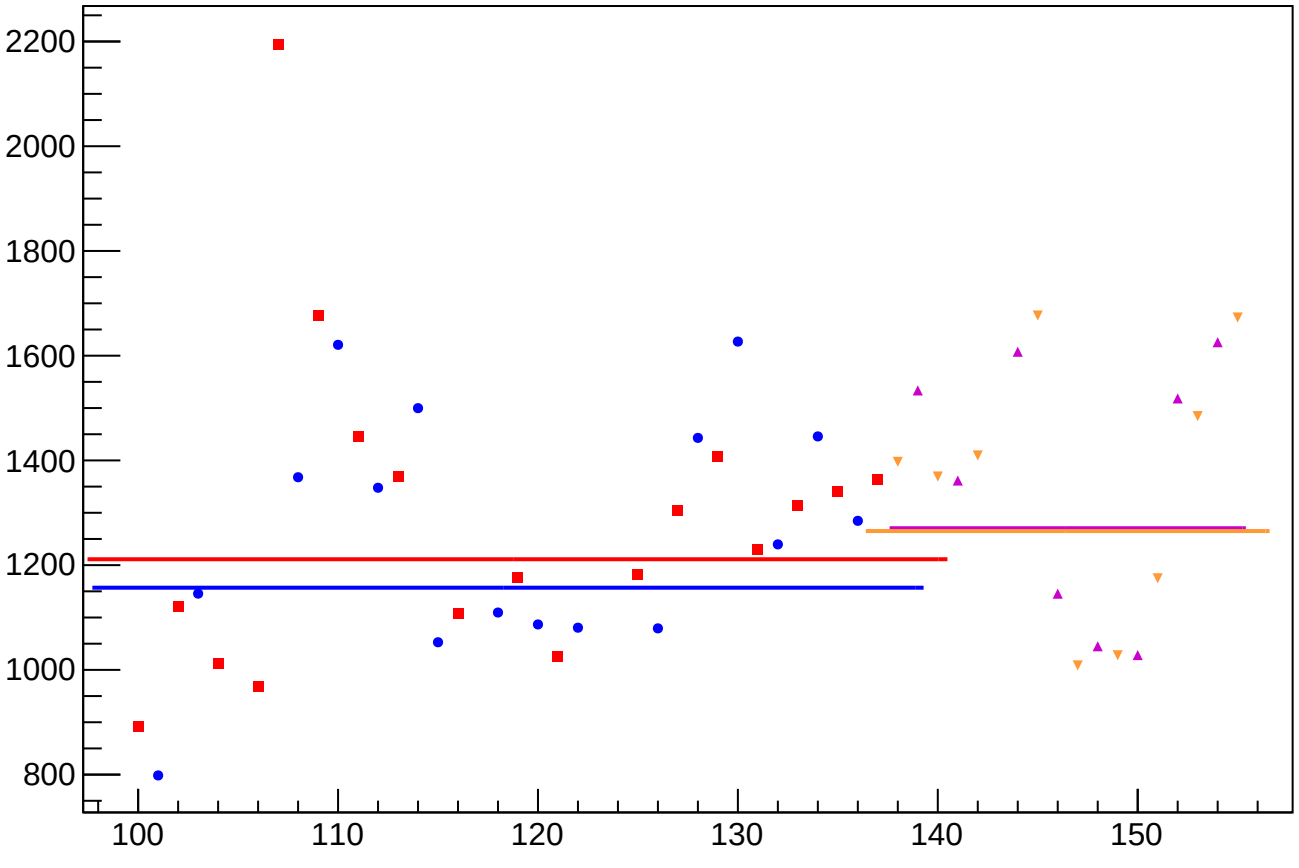
Left: 257.264+/-345.482 χ^2/NDF: 13.8/16

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

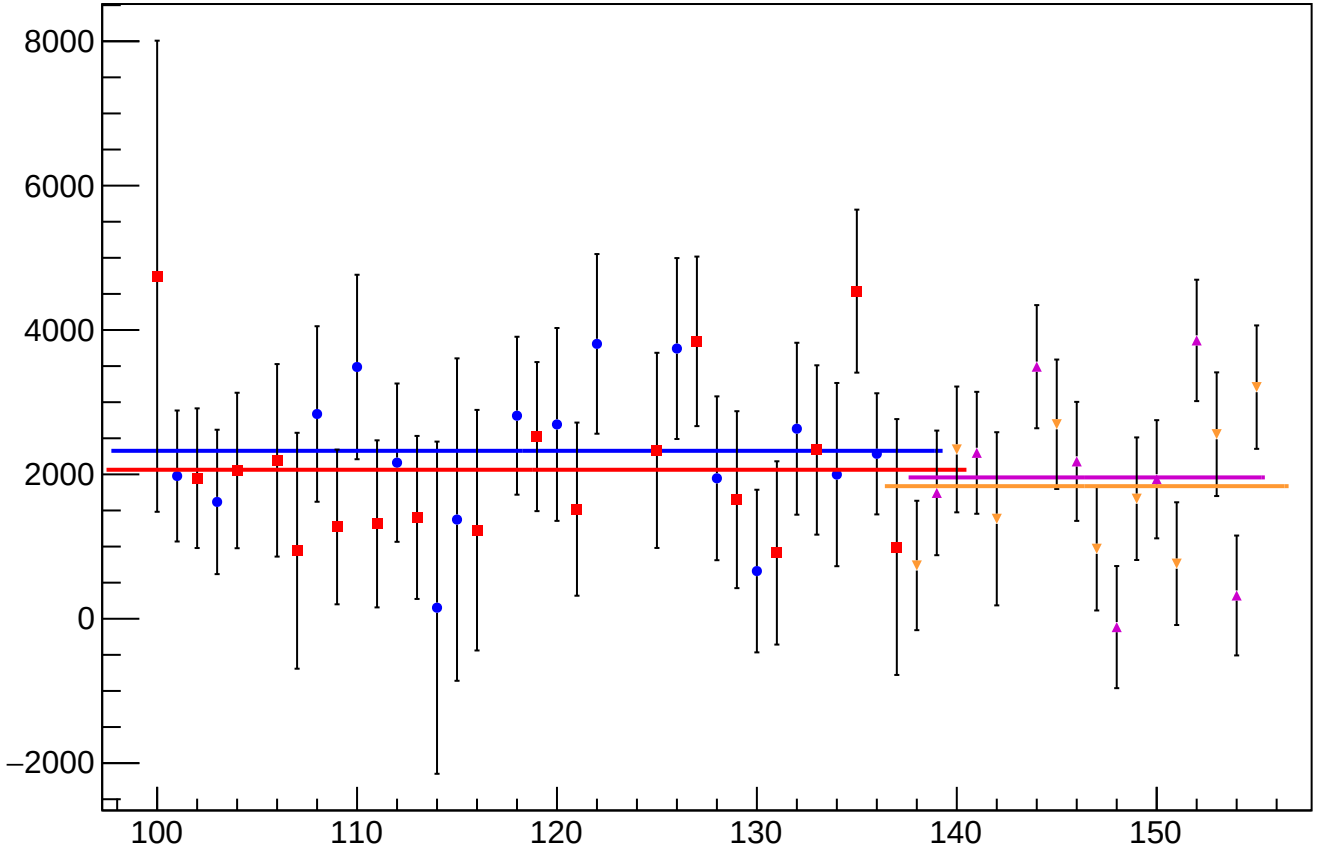
In: -39.392+/-327.558 χ^2/NDF:19.5/23

Out: 127.781+/-332.602 χ^2/NDF:25.5/26

All: 42.917+/-233.381 χ^2/NDF: 45.2/50


asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1156.948+/-0.312 χ²/NDF: 569119.8/15
Left Out: 1265.102+/-0.345 χ²/NDF:468494.3/8
Right Out: 1211.264+/-0.322 χ²/NDF: 397714.5/17
Left In: 1270.526+/-0.346 χ²/NDF:463522.2/7
Left: 1267.803+/-0.244 χ²/NDF: 932139.7/16
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1207.800+/-0.232 χ²/NDF:1092099.3/23
Out: 1236.309+/-0.235 χ²/NDF:879246.1/26
All: 1221.837+/-0.165 χ²/NDF: 1978804.7/50

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1836.765+/-296.541 χ^2/NDF:8.8/8

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

Left In: 1958.005+/-296.885 χ^2/NDF:18.5/7

Left: 1897.315+/-209.808 χ^2/NDF: 27.4/16

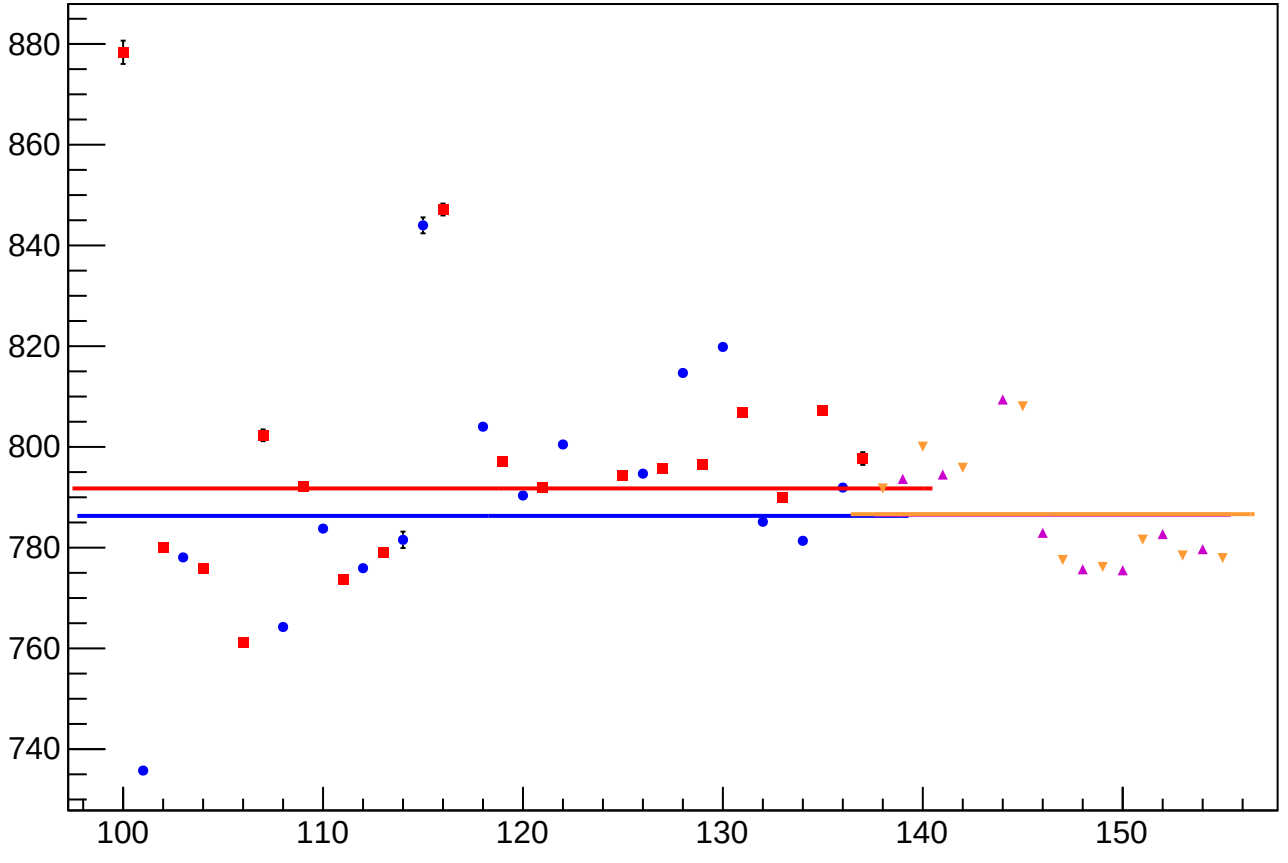
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

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

Out: 1952.205+/-207.986 χ^2/NDF:20.8/26

All: 2048.564+/-147.160 χ^2/NDF: 48.7/50

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 786.643+/-0.210 χ^2/NDF:2791.4/8

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

Left In: 786.535+/-0.210 χ^2/NDF:2658.5/7

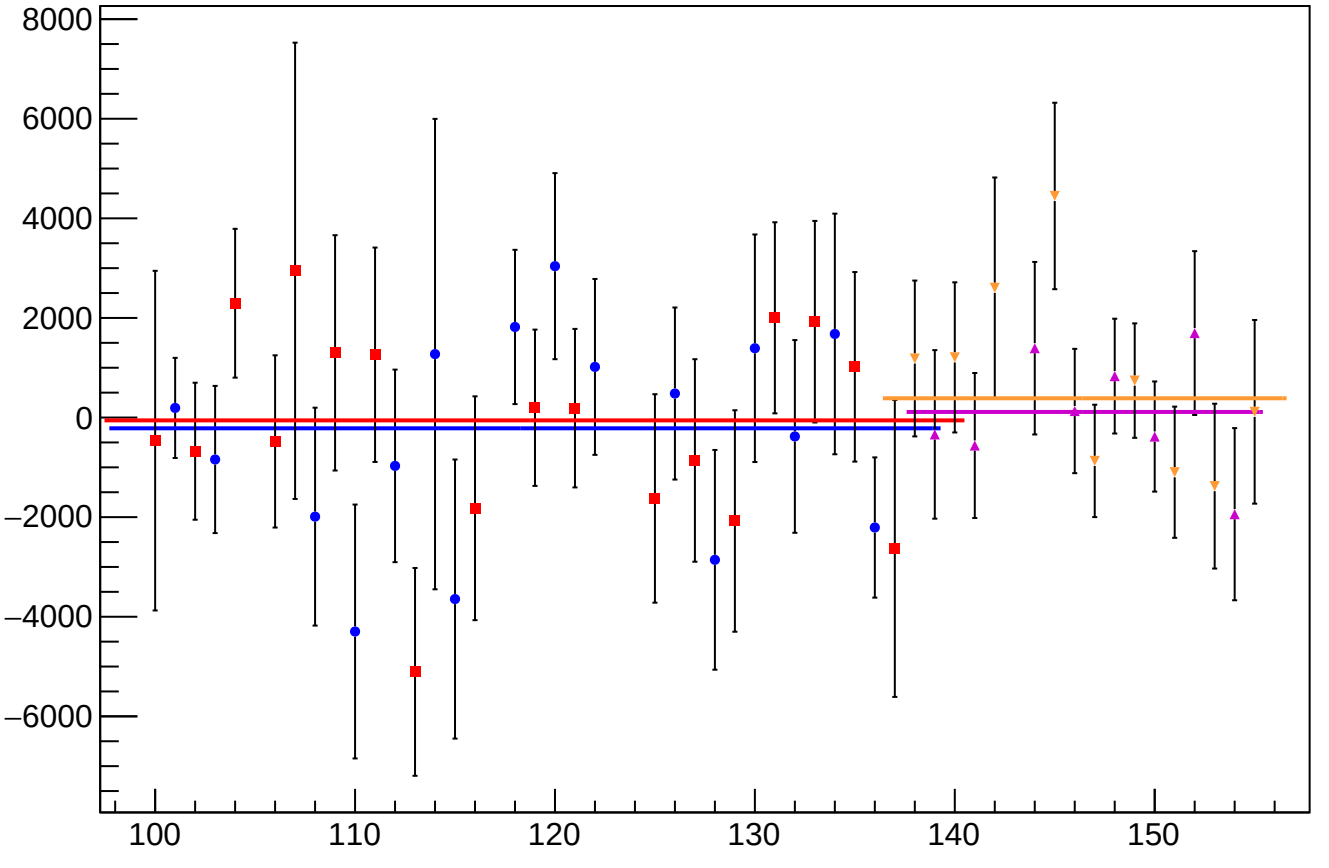
Left: 786.589+/-0.148 χ^2/NDF: 5450.0/16

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

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

Out: 789.241+/-0.147 χ^2/NDF:10108.6/26

All: 787.832+/-0.104 χ^2/NDF: 25522.5/50



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

Left Out: 386.943+/-492.892 χ^2/NDF:10.0/8

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

Left In: 112.224+/-495.656 χ^2/NDF:3.8/7

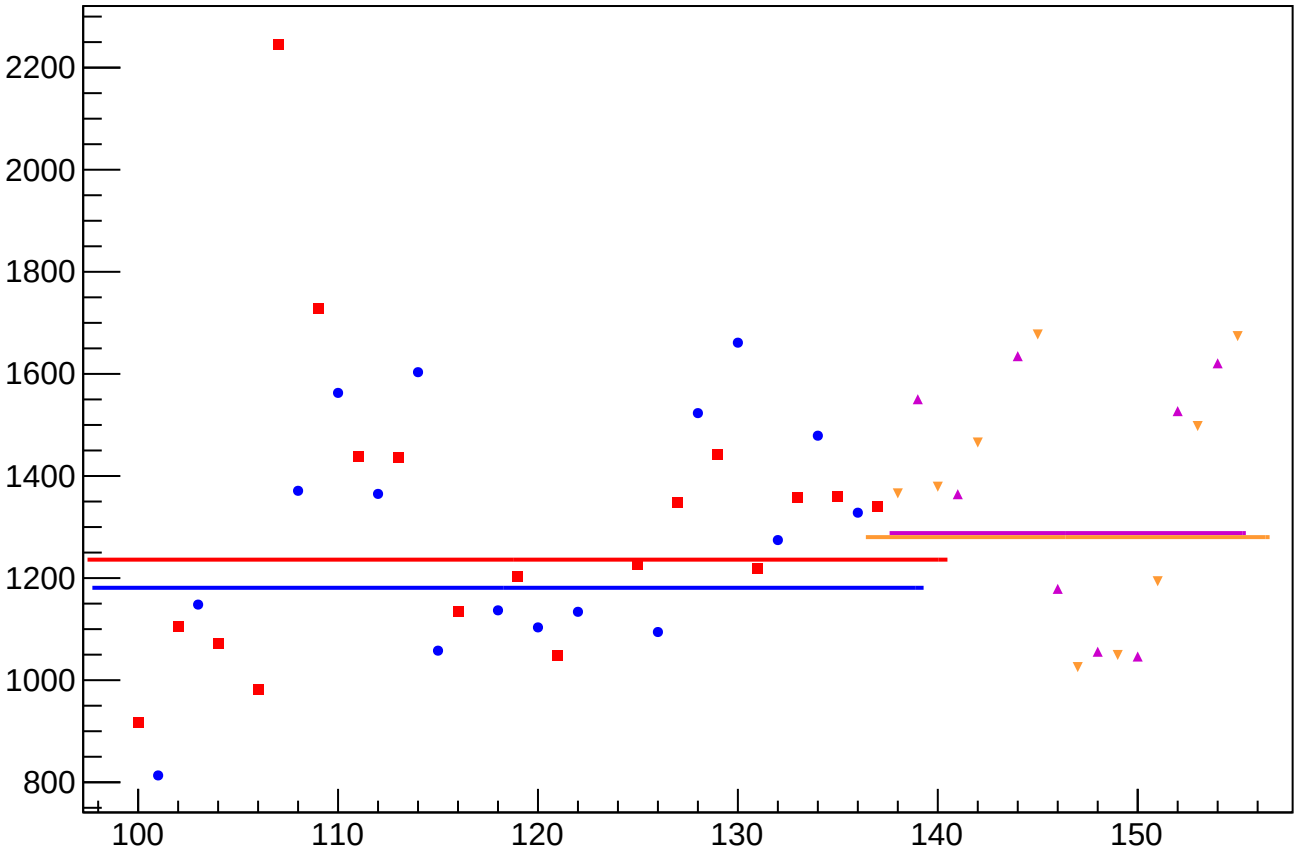
Left: 250.351+/-349.500 χ^2/NDF: 13.9/16

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

In: -67.966+/-332.984 χ^2/NDF:19.3/23

Out: 151.683+/-337.842 χ^2/NDF:25.6/26

All: 40.268+/-237.154 χ^2/NDF: 45.1/50



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

Left Out: 1280.264+/-0.349 χ^2/NDF:435529.7/8

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

Left In: 1288.151+/-0.350 χ^2/NDF:442030.2/7

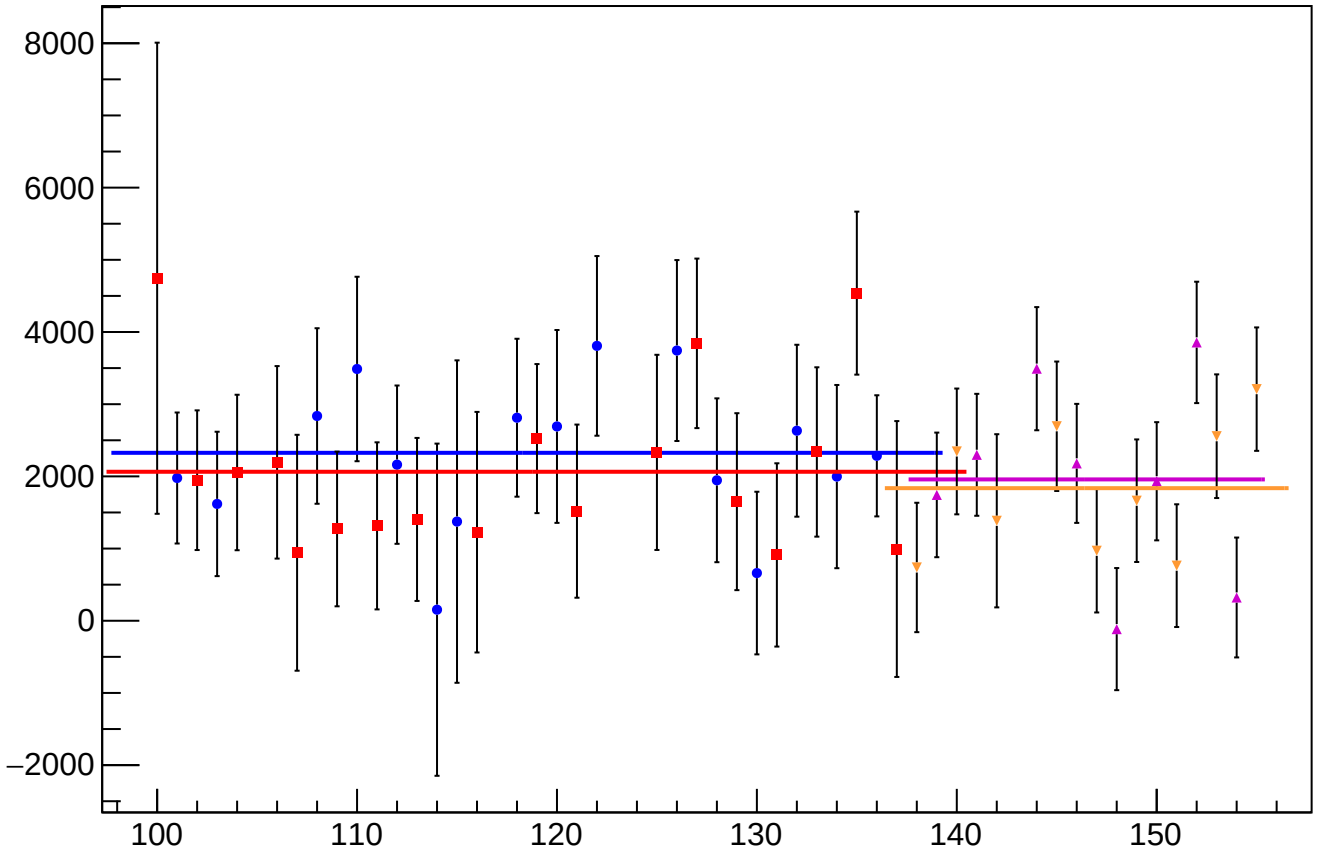
Left: 1284.185+/-0.247 χ^2/NDF: 877814.5/16

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

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

Out: 1256.867+/-0.239 χ^2/NDF:841271.7/26

All: 1242.913+/-0.168 χ^2/NDF: 1912421.3/50



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

Left Out: 1836.763+/-296.541 χ^2/NDF:8.8/8

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

Left In: 1958.006+/-296.885 χ^2/NDF:18.5/7

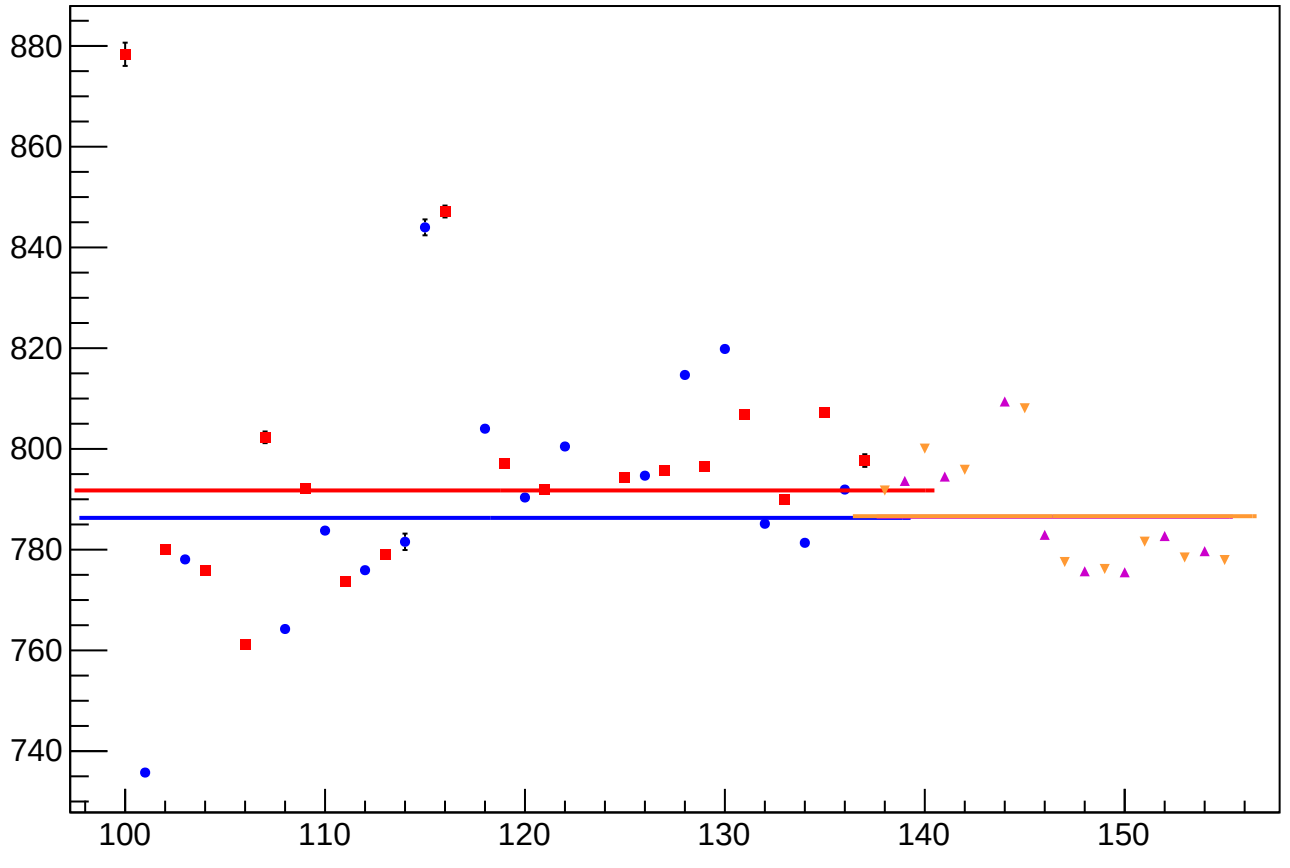
Left: 1897.314+/-209.808 χ^2/NDF: 27.4/16

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

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

Out: 1952.203+/-207.986 χ^2/NDF:20.8/26

All: 2048.563+/-147.160 χ^2/NDF: 48.7/50



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

Left Out: 786.643+/-0.210 χ^2/NDF:2791.3/8

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

Left In: 786.535+/-0.210 χ^2/NDF:2658.5/7

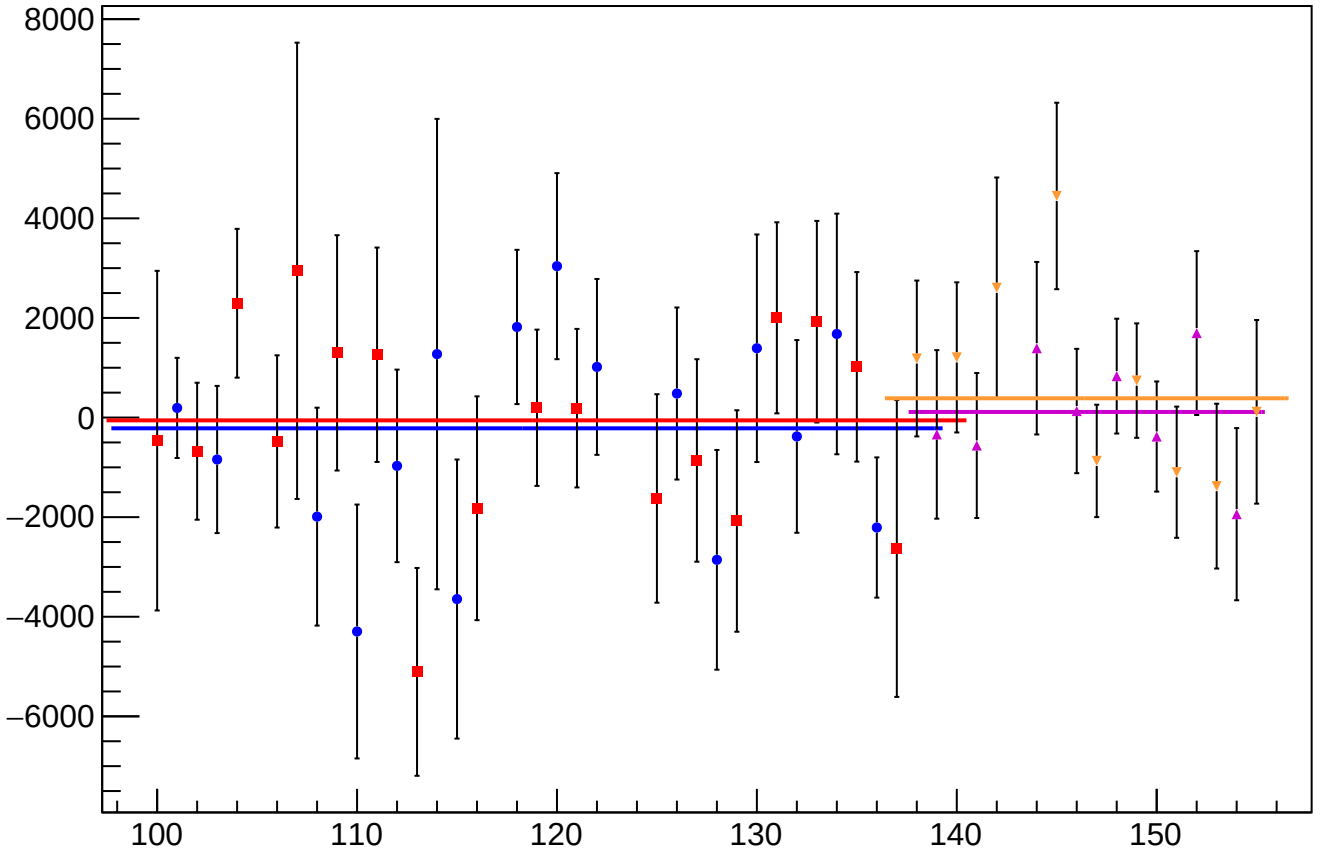
Left: 786.589+/-0.148 χ^2/NDF: 5450.0/16

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

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

Out: 789.241+/-0.147 χ^2/NDF:10108.6/26

All: 787.832+/-0.104 χ^2/NDF: 25522.4/50



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

Left Out: 386.939+/-492.893 χ^2/NDF:10.0/8

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

Left In: 112.225+/-495.657 χ^2/NDF:3.8/7

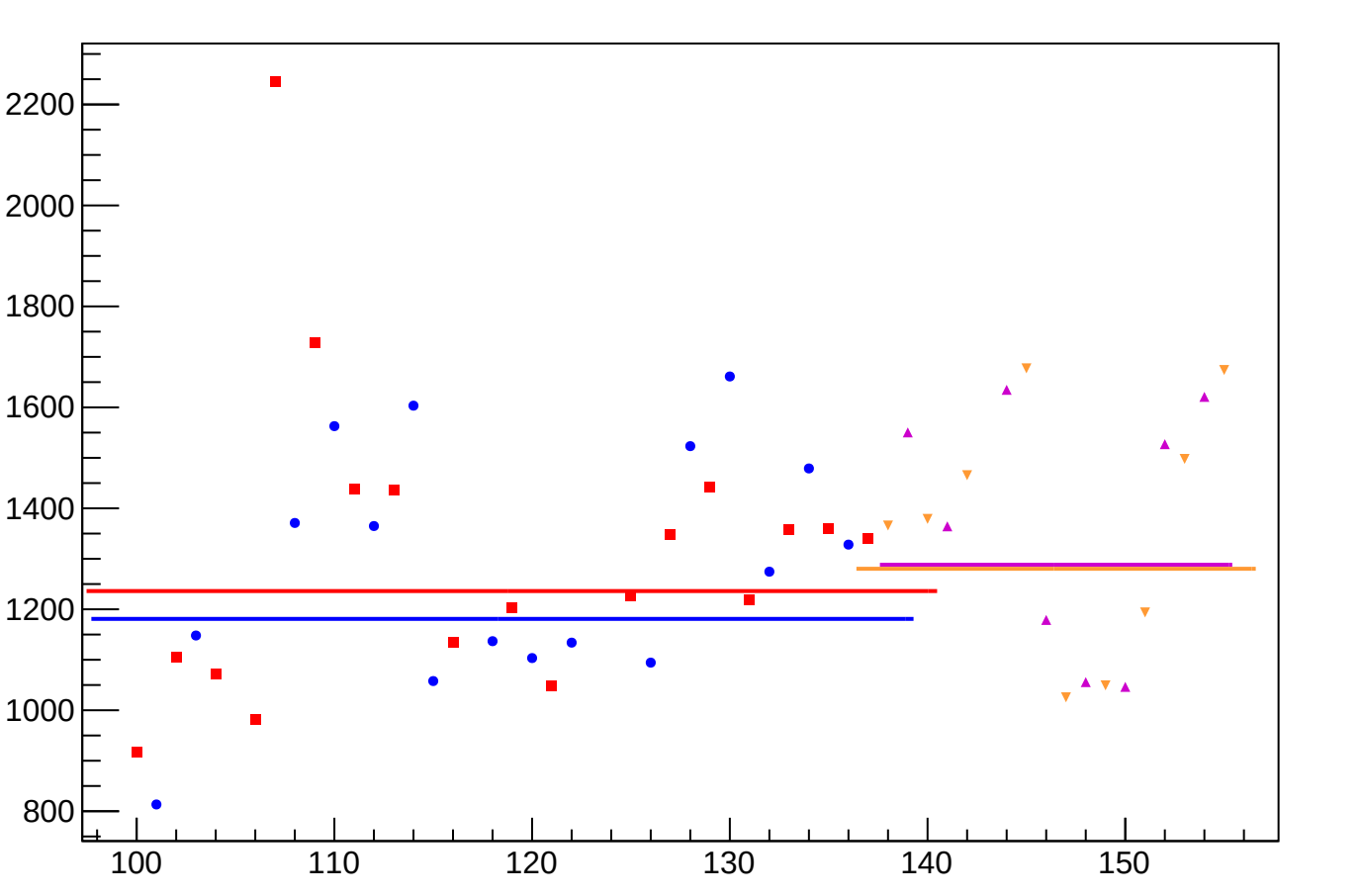
Left: 250.350+/-349.501 χ^2/NDF: 13.9/16

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

In: -67.966+/-332.984 χ^2/NDF:19.3/23

Out: 151.681+/-337.842 χ^2/NDF:25.6/26

All: 40.267+/-237.154 χ^2/NDF: 45.1/50



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

Left Out: 1280.266+/-0.349 χ^2/NDF:435531.6/8

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

Left In: 1288.154+/-0.350 χ^2/NDF:442031.0/7

Left: 1284.188+/-0.247 χ^2/NDF: 877817.3/16

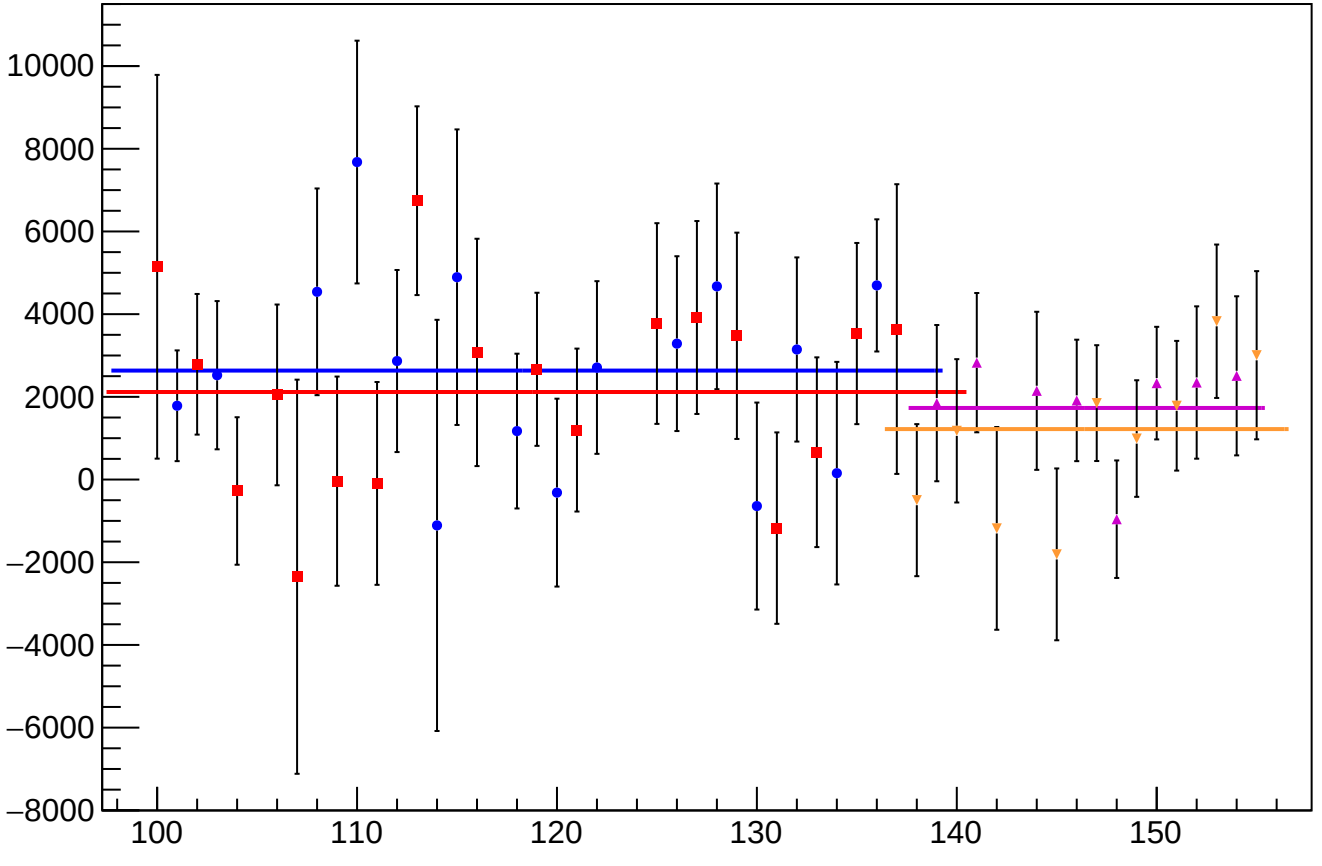
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

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

Out: 1256.866+/-0.239 χ^2/NDF:841274.3/26

All: 1242.913+/-0.168 χ^2/NDF: 1912427.8/50

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1220.425+/-579.459 χ^2/NDF:7.1/8

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

Left In: 1731.272+/-580.350 χ^2/NDF:4.5/7

Left: 1475.456+/-410.054 χ^2/NDF: 12.0/16

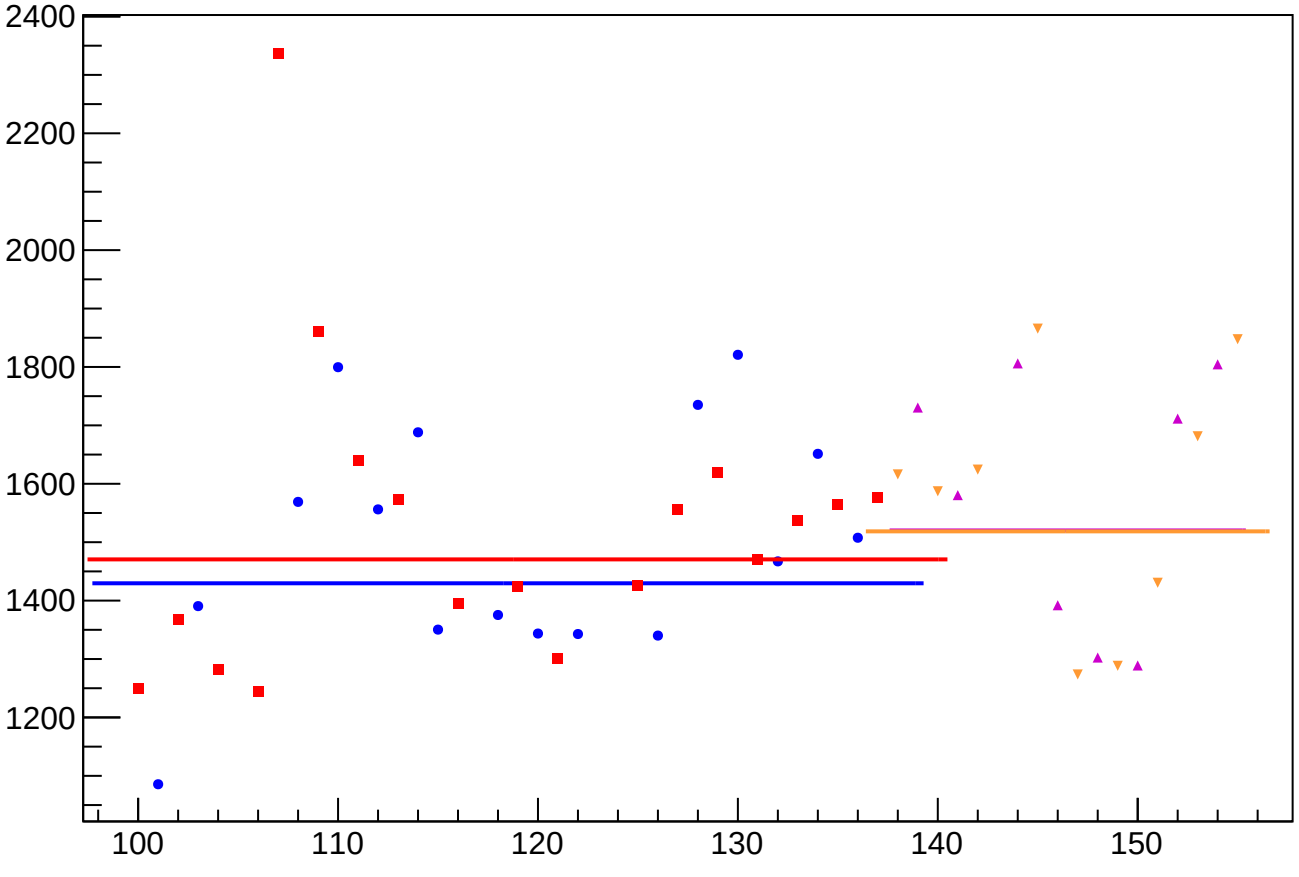
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

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

Out: 1694.217+/-397.953 χ^2/NDF:22.1/26

All: 1958.096+/-280.188 χ^2/NDF: 41.0/50

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1518.558+/-0.410 χ^2/NDF:256747.9/8

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

Left In: 1520.115+/-0.410 χ^2/NDF:257198.6/7

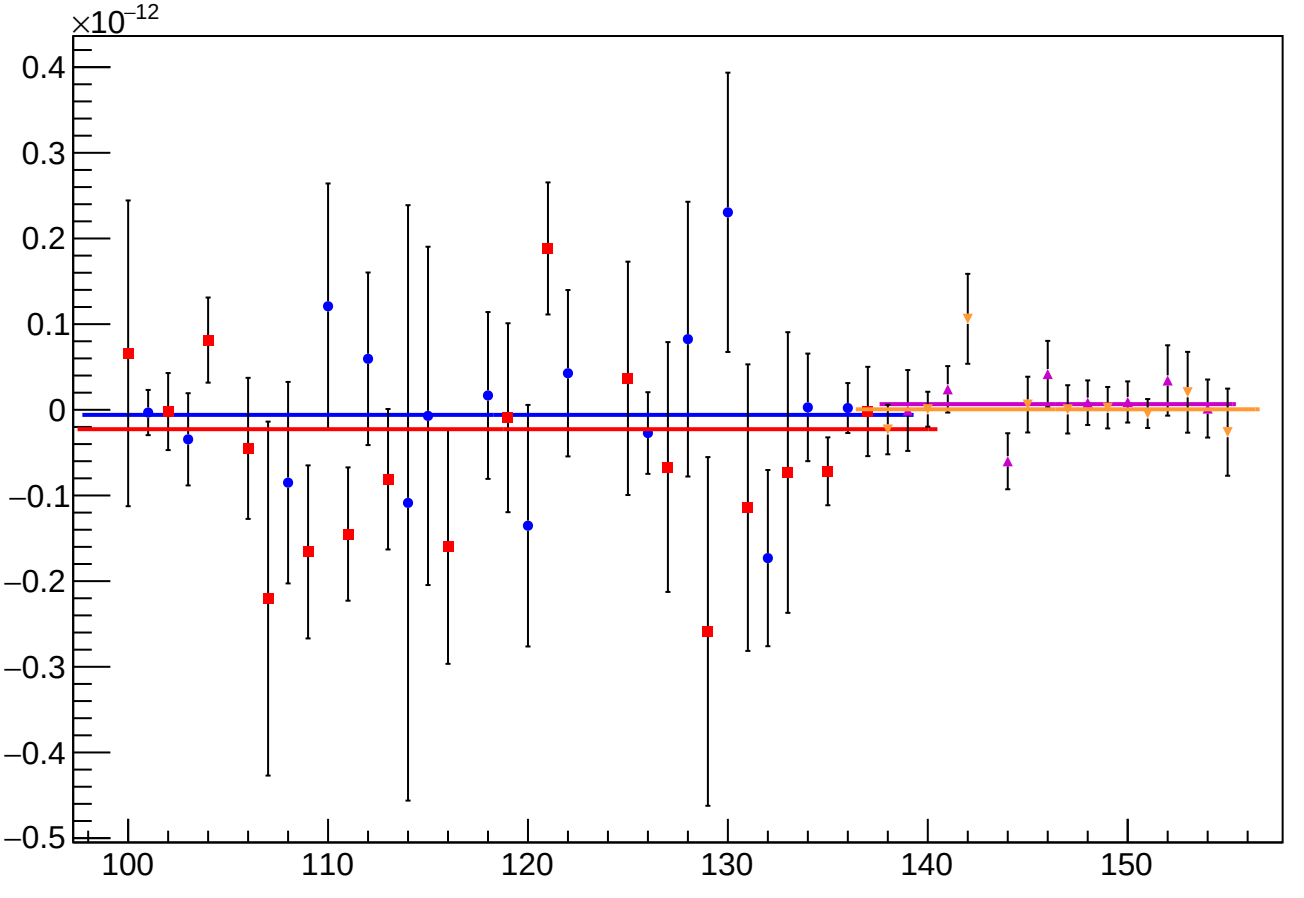
Left: 1519.335+/-0.290 χ^2/NDF: 513953.6/16

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

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

Out: 1493.201+/-0.281 χ^2/NDF:482064.0/26

All: 1482.241+/-0.198 χ^2/NDF: 1061792.0/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/8

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

Left In: 0.000+/-0.000 χ^2/NDF:5.9/7

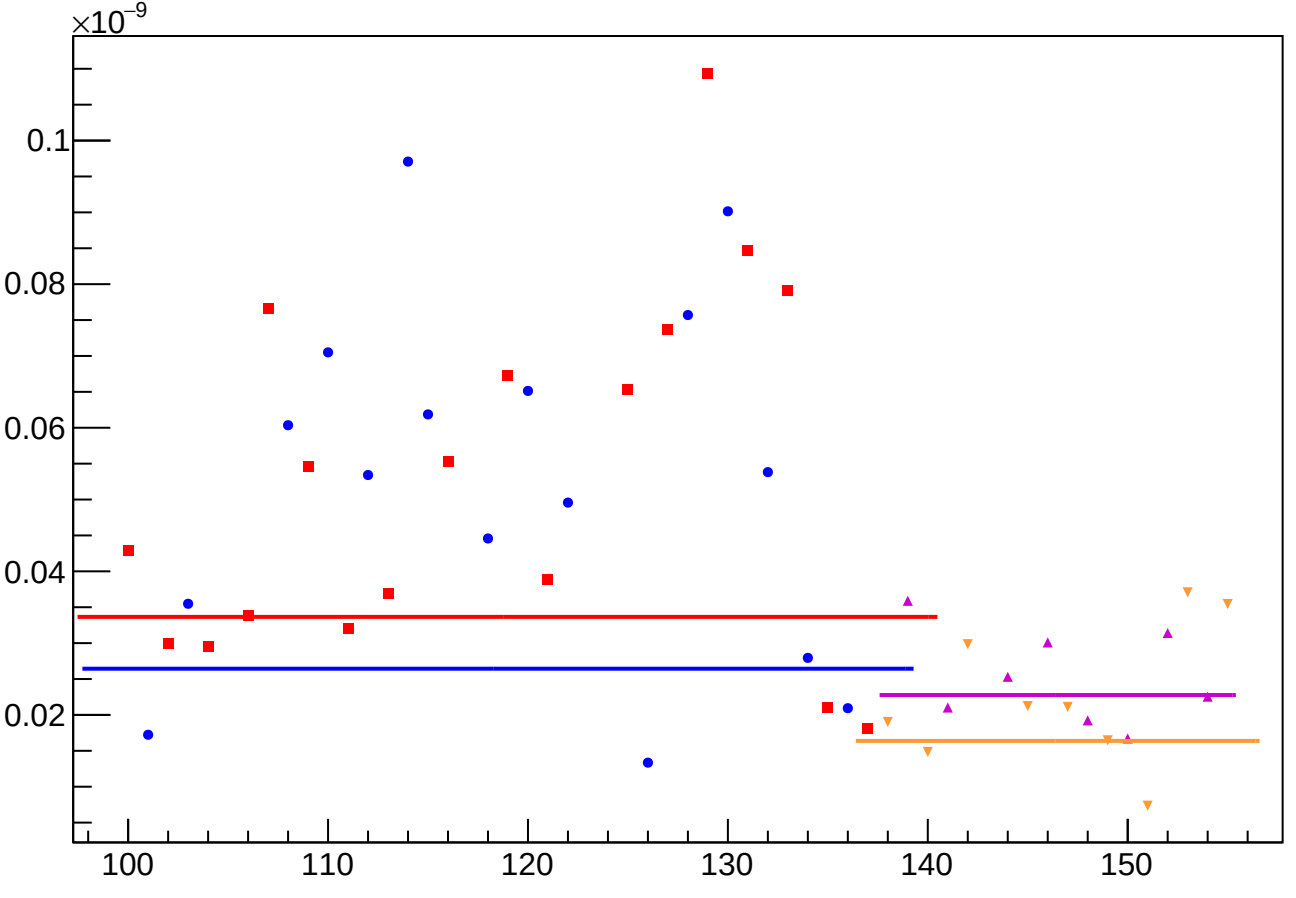
Left: 0.000+/-0.000 χ^2/NDF: 11.4/16

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

In: 0.000+/-0.000 χ^2/NDF:14.9/23

Out: -0.000+/-0.000 χ^2/NDF:29.7/26

All: -0.000+/-0.000 χ^2/NDF: 44.8/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:1498368.8/8

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

Left In: 0.000+/-0.000 χ^2/NDF:498856.4/7

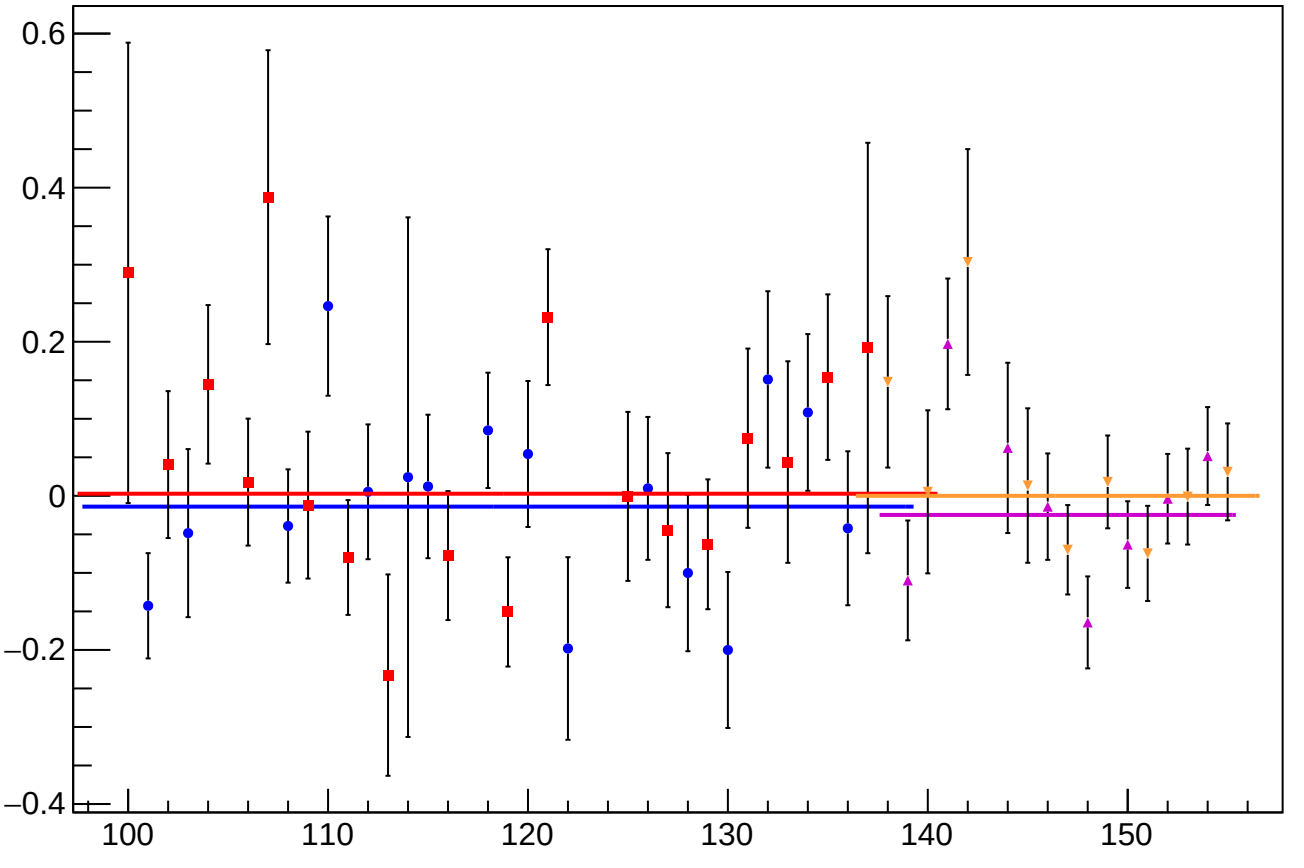
Left: 0.000+/-0.000 χ^2/NDF: 2394803.2/16

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

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

Out: 0.000+/-0.000 χ^2/NDF:4655949.6/26

All: 0.000+/-0.000 χ^2/NDF: 7616207.3/50



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

Left Out: 0.000+/-0.025 χ^2/NDF:9.3/8

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

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

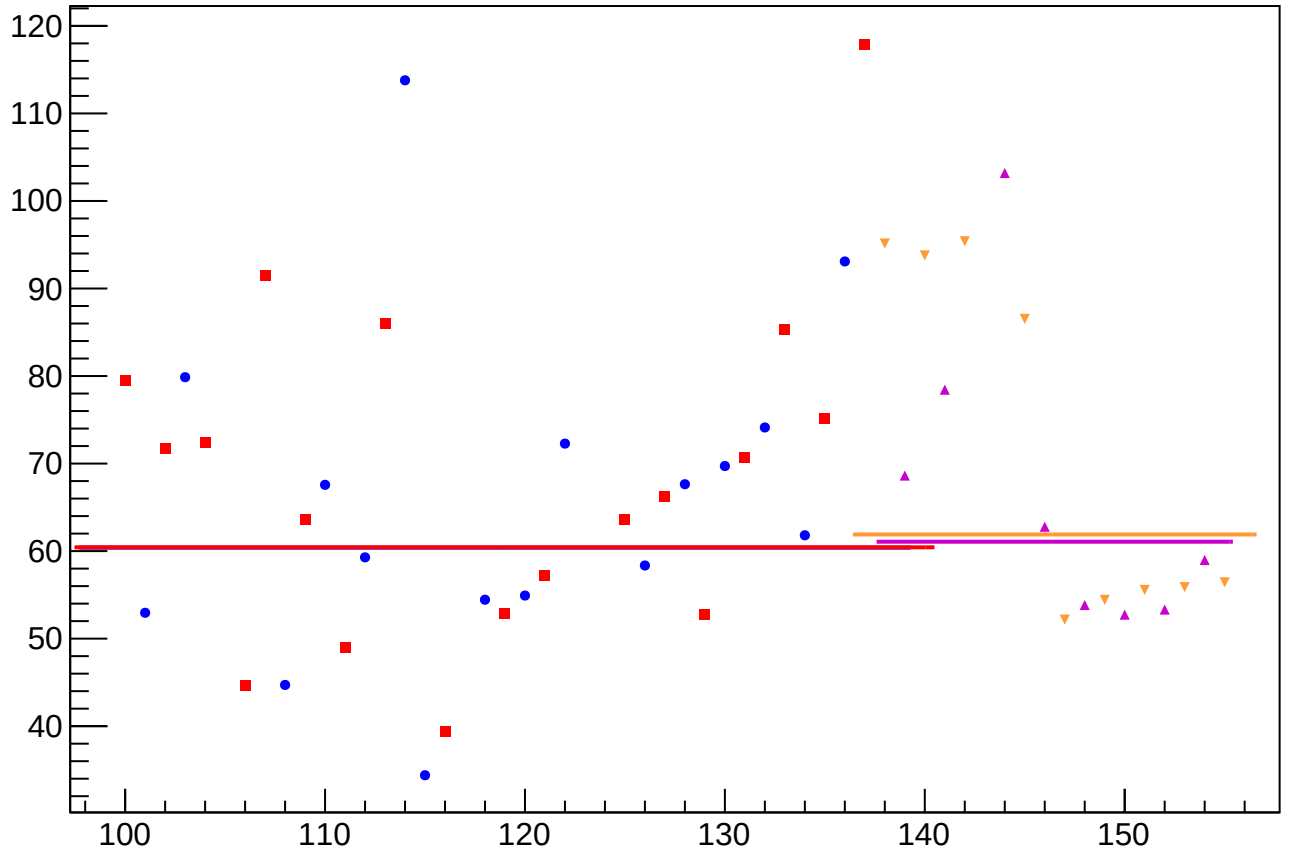
Left: -0.013+/-0.017 χ^2/NDF: 26.1/16

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

In: -0.019+/-0.017 χ^2/NDF:37.7/23

Out: 0.001+/-0.017 χ^2/NDF:37.1/26

All: -0.009+/-0.012 χ^2/NDF: 75.5/50



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

Left Out: 61.900+/-0.017 χ^2/NDF:727112.3/8

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

Left In: 61.072+/-0.017 χ^2/NDF:505400.5/7

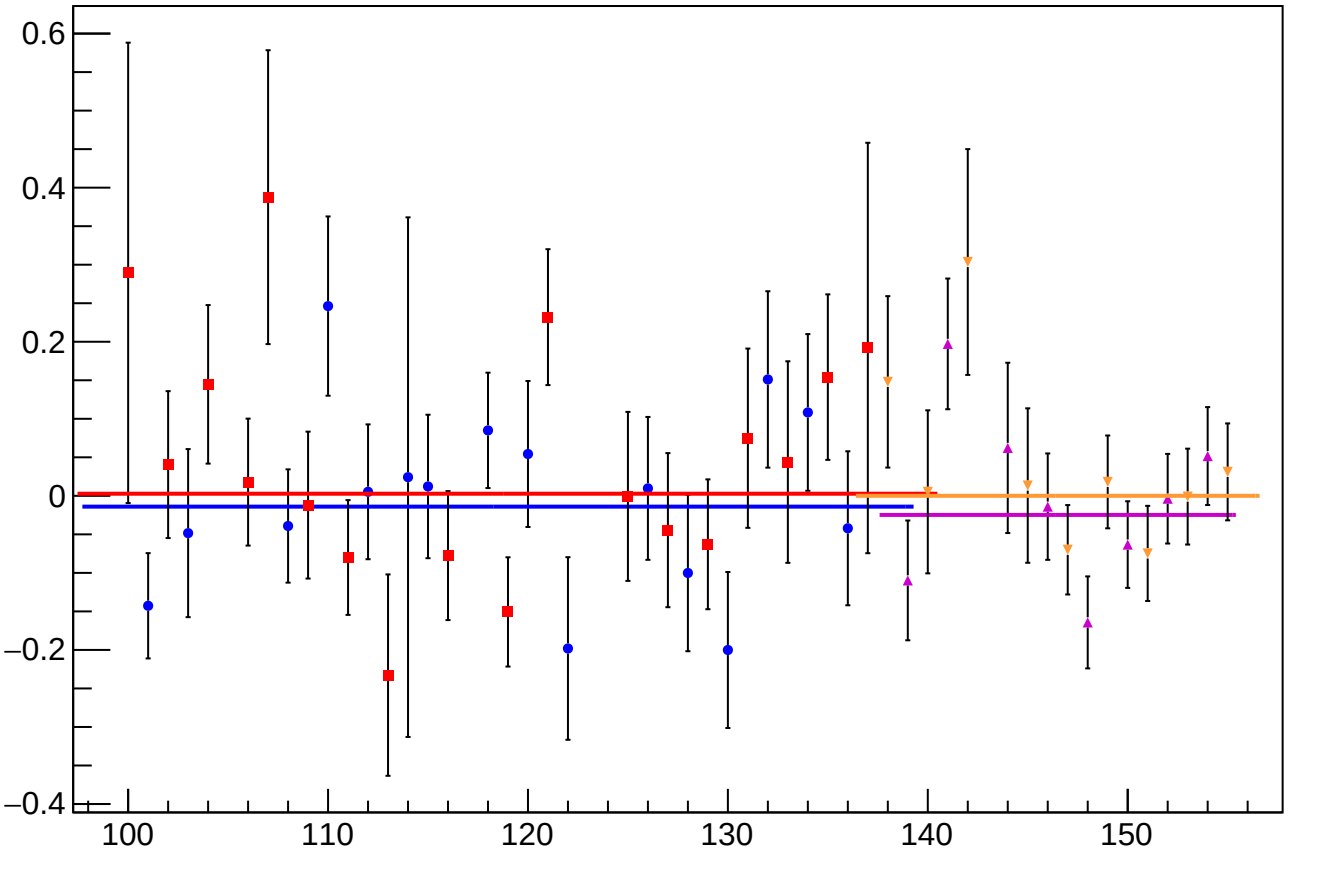
Left: 61.477+/-0.012 χ^2/NDF: 1233676.9/16

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

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

Out: 61.145+/-0.012 χ^2/NDF:1441885.6/26

All: 60.937+/-0.008 χ^2/NDF: 2651817.6/50



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

Left Out: 0.000+/-0.025 χ^2/NDF:9.3/8

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

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

Left: -0.013+/-0.017 χ^2/NDF: 26.1/16

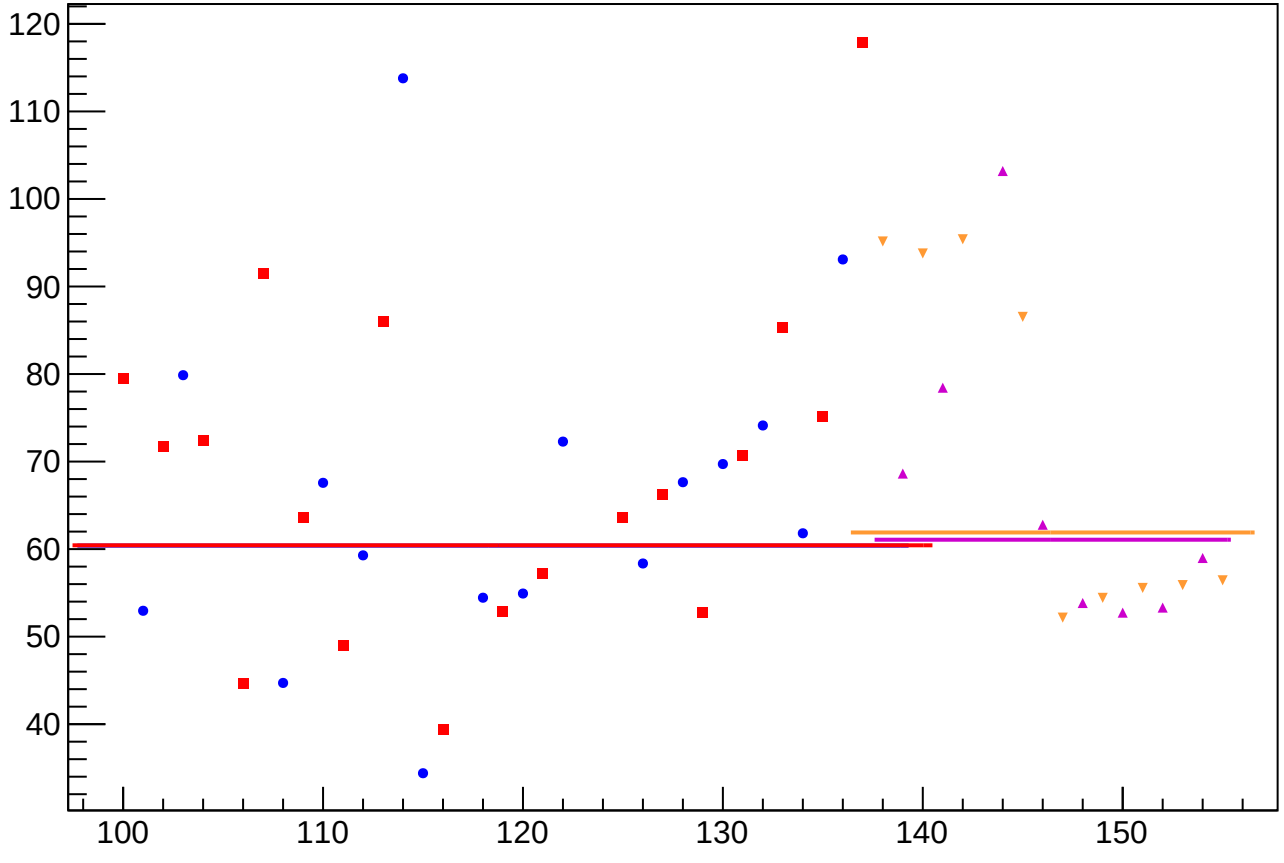
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.019+/-0.017 χ^2/NDF:37.7/23

Out: 0.001+/-0.017 χ^2/NDF:37.1/26

All: -0.009+/-0.012 χ^2/NDF: 75.5/50

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 61.900+/-0.017 χ^2/NDF:727112.3/8

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

Left In: 61.072+/-0.017 χ^2/NDF:505400.5/7

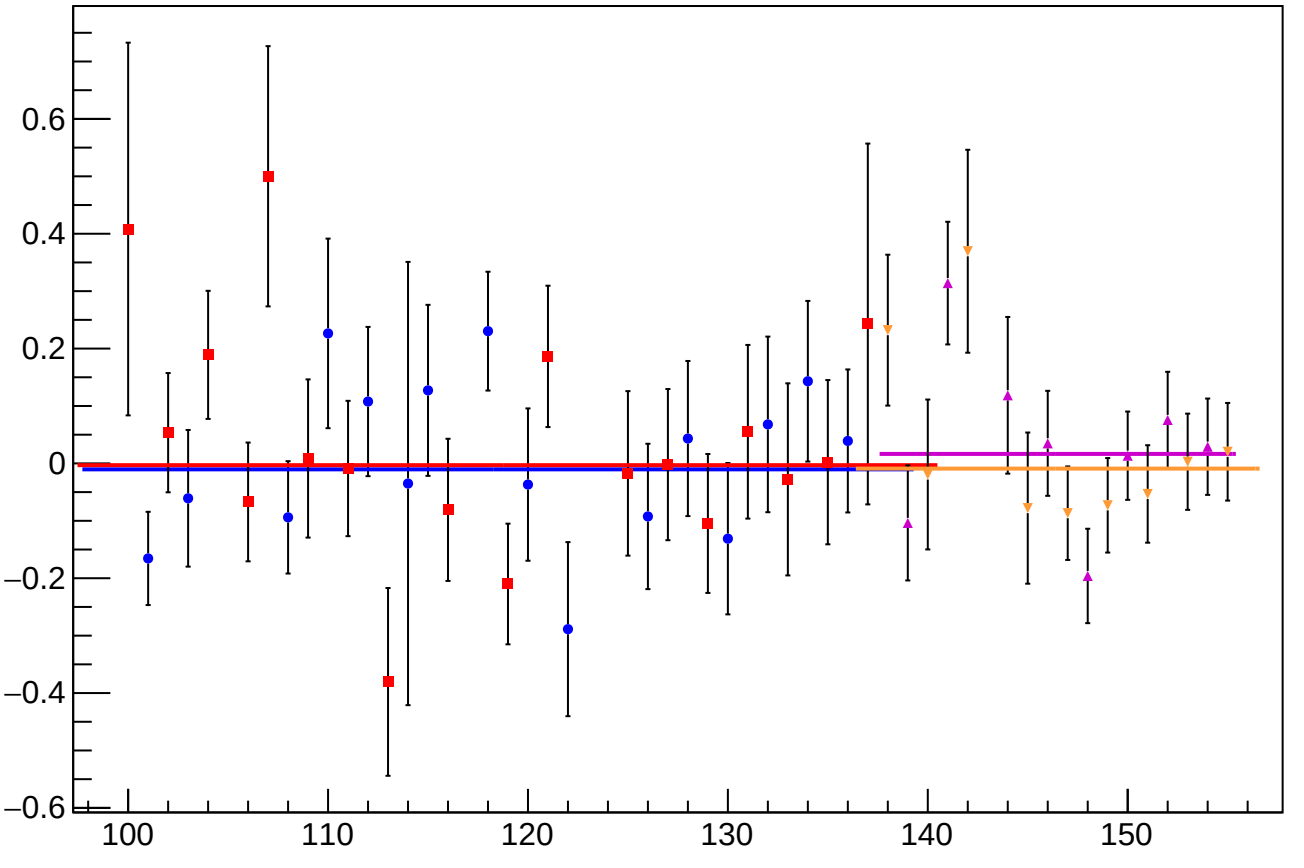
Left: 61.477+/-0.012 χ^2/NDF: 1233676.9/16

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

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

Out: 61.145+/-0.012 χ^2/NDF:1441885.6/26

All: 60.937+/-0.008 χ^2/NDF: 2651817.6/50



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

Left Out: -0.009+/-0.033 χ^2/NDF:10.2/8

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

Left In: 0.017+/-0.032 χ^2/NDF:17.0/7

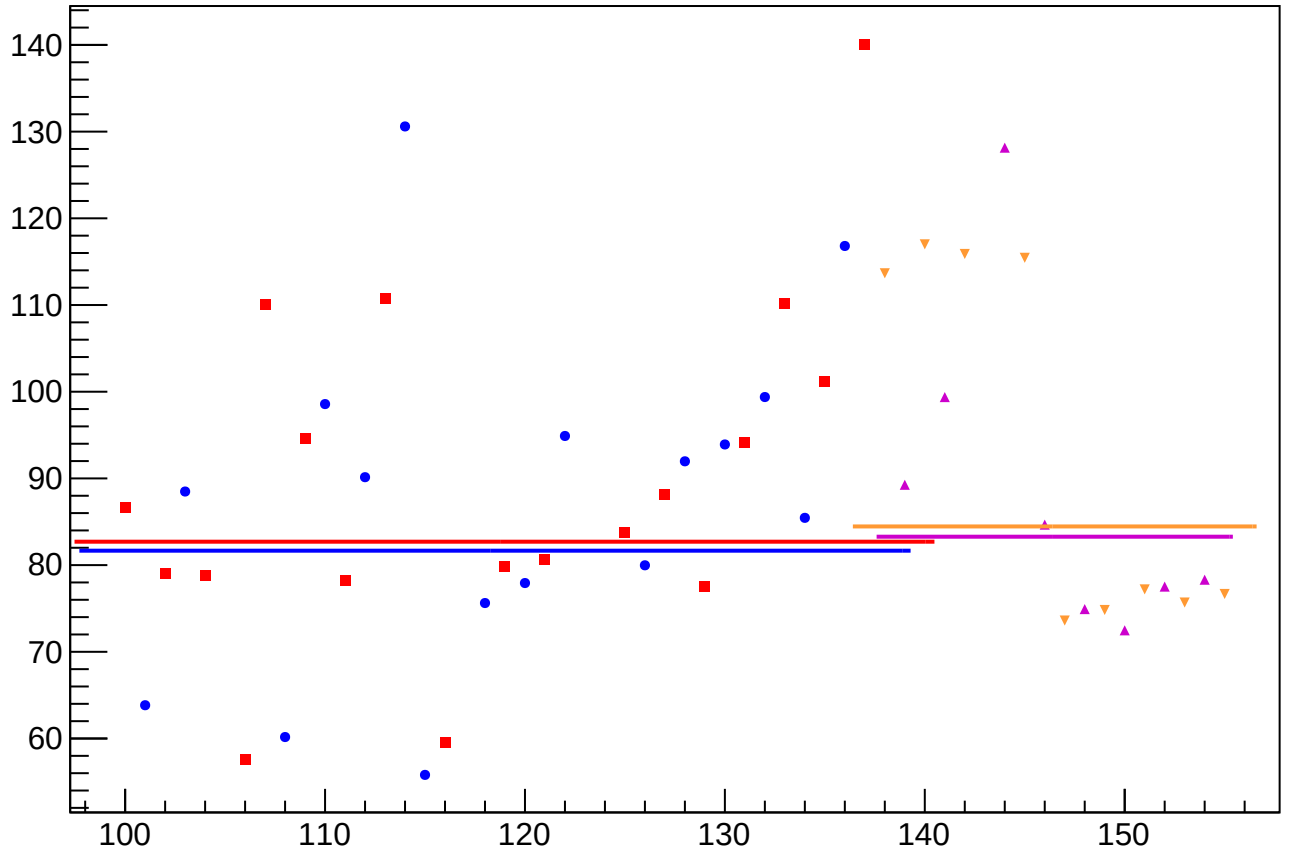
Left: 0.004+/-0.023 χ^2/NDF: 27.5/16

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

In: 0.003+/-0.023 χ^2/NDF:37.5/23

Out: -0.006+/-0.023 χ^2/NDF:33.8/26

All: -0.002+/-0.016 χ^2/NDF: 71.4/50



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

Left Out: 84.460+/-0.023 χ^2/NDF:513327.8/8

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

Left In: 83.277+/-0.023 χ^2/NDF:345829.2/7

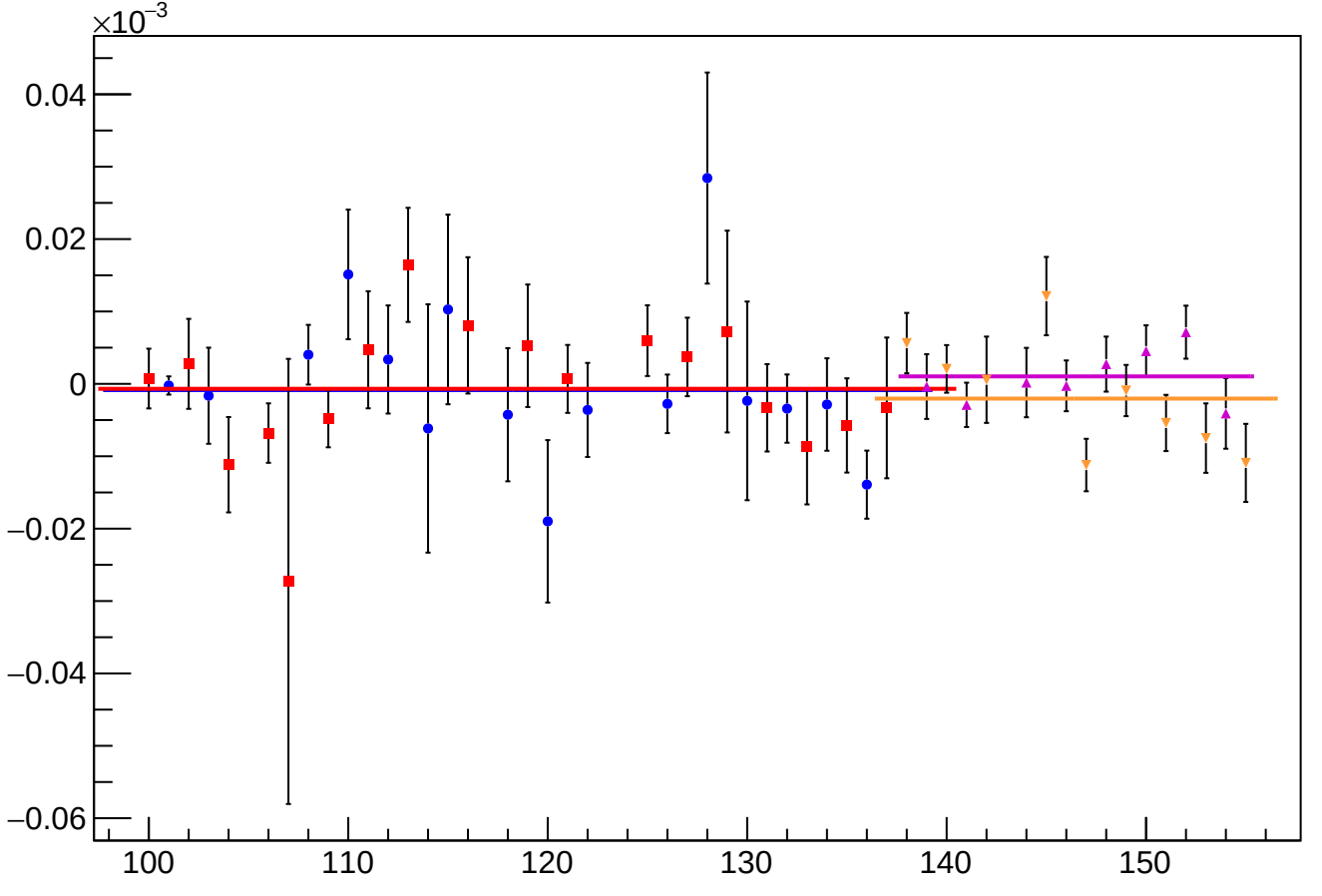
Left: 83.857+/-0.016 χ^2/NDF: 860476.5/16

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

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

Out: 83.549+/-0.016 χ^2/NDF:989354.1/26

All: 82.995+/-0.011 χ^2/NDF: 1901910.7/50



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

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/8

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

Left In: 0.000+/-0.000 χ^2/NDF:7.0/7

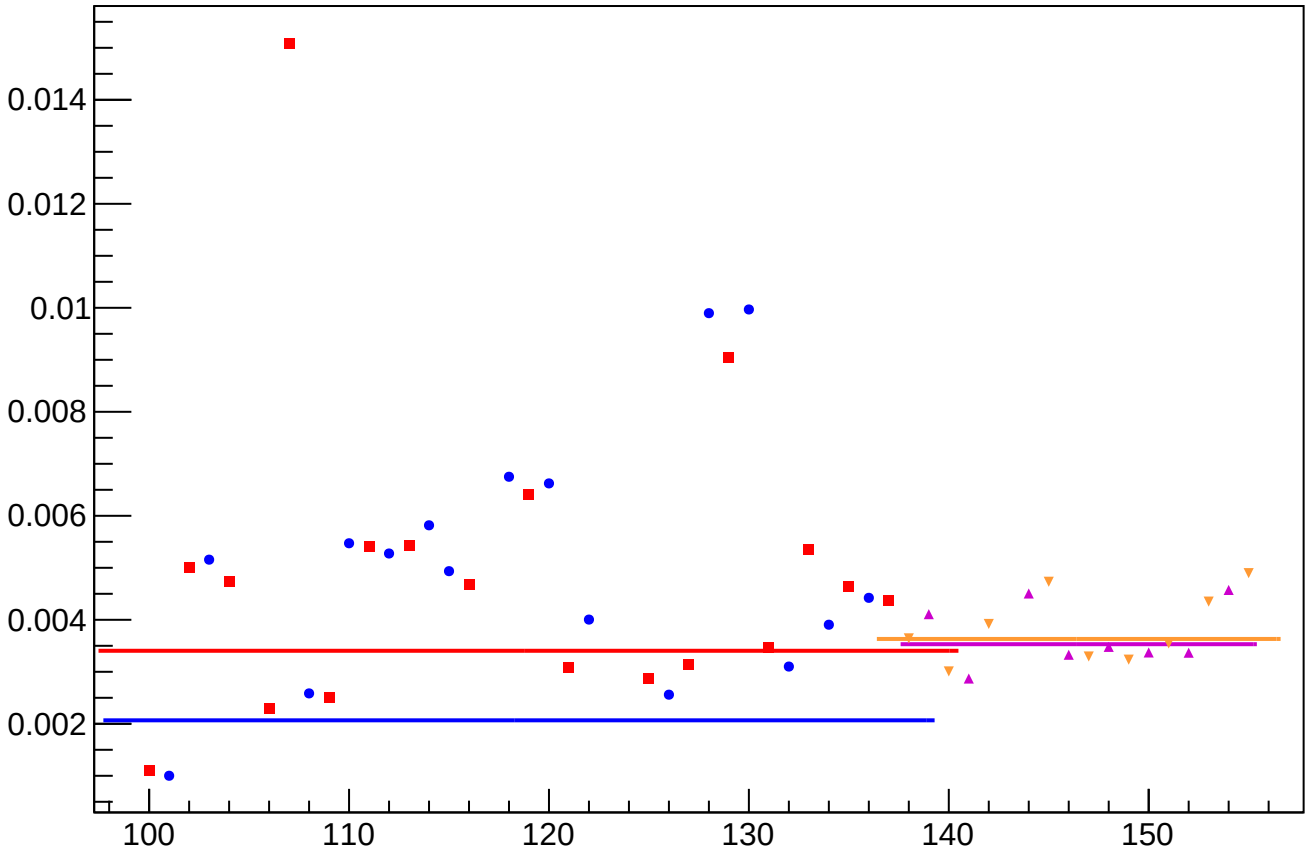
Left: -0.000+/-0.000 χ^2/NDF: 32.7/16

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

In: -0.000+/-0.000 χ^2/NDF:29.5/23

Out: -0.000+/-0.000 χ^2/NDF:42.0/26

All: -0.000+/-0.000 χ^2/NDF: 72.4/50



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

Left Out: 0.004+/-0.000 χ^2/NDF:357988.3/8

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

Left In: 0.004+/-0.000 χ^2/NDF:315754.2/7

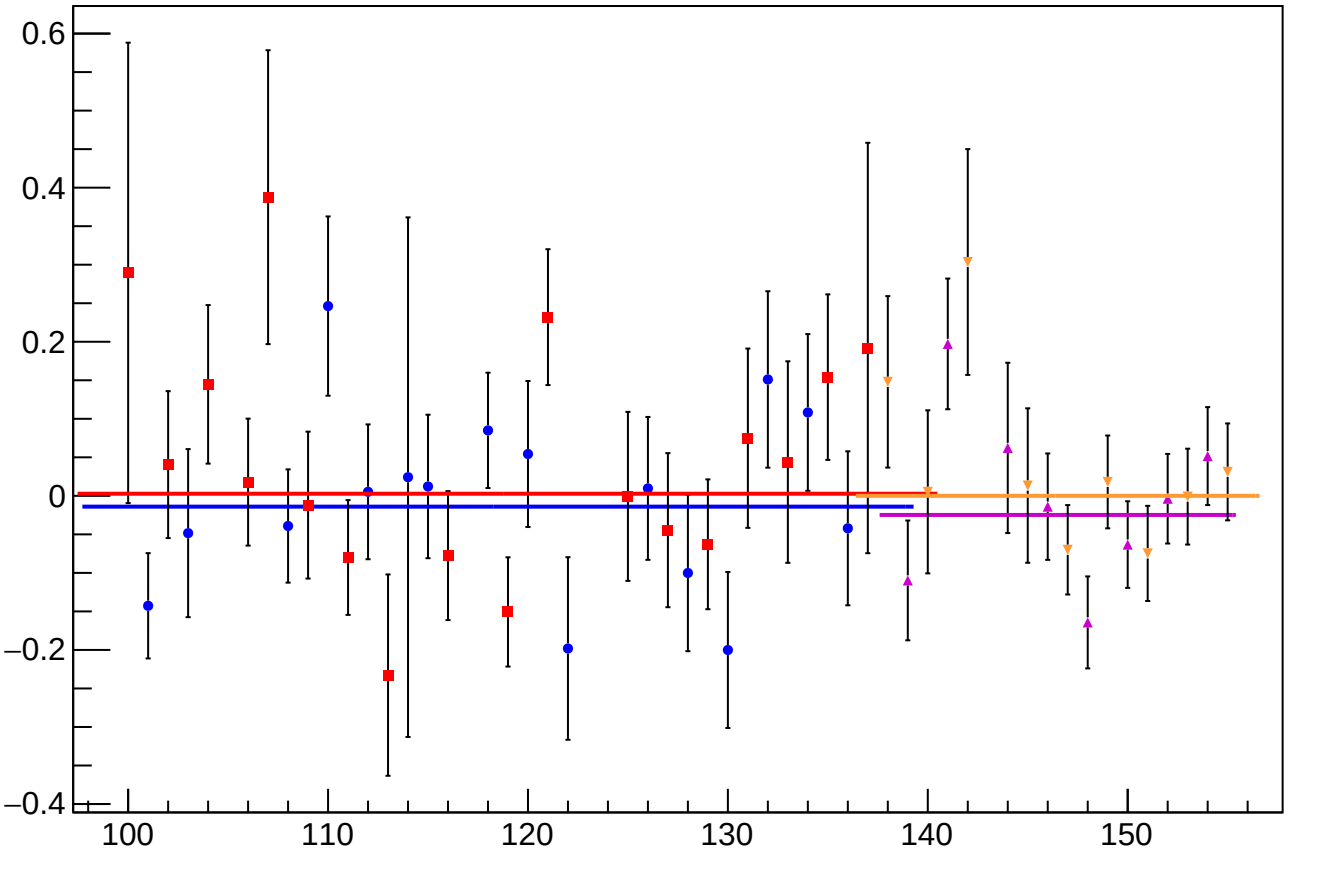
Left: 0.004+/-0.000 χ^2/NDF: 679139.7/16

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

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

Out: 0.004+/-0.000 χ^2/NDF:2875286.5/26

All: 0.003+/-0.000 χ^2/NDF: 11560633.0/50



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

Left Out: 0.000+/-0.025 χ^2/NDF:9.3/8

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

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

Left: -0.013+/-0.017 χ^2/NDF: 26.0/16

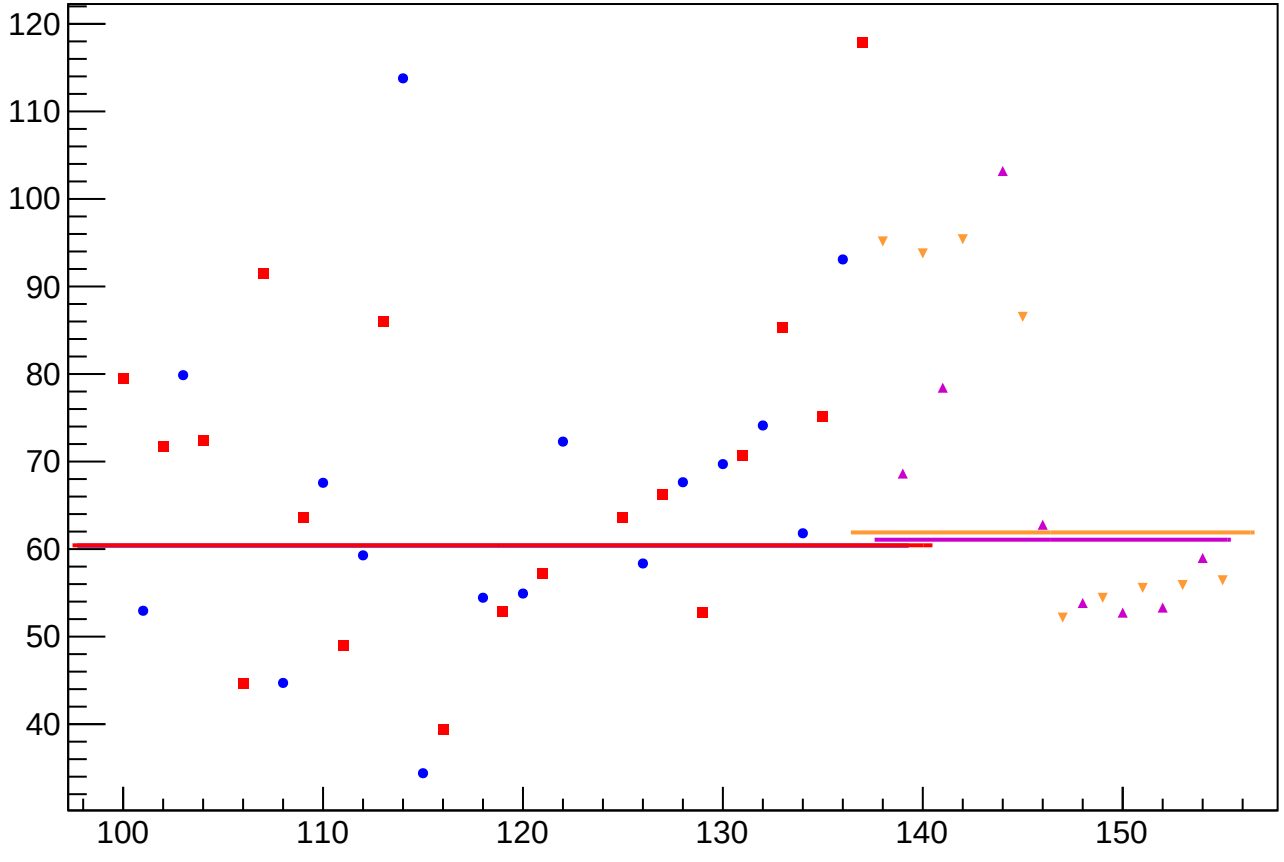
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.019+/-0.017 χ^2/NDF:37.7/23

Out: 0.001+/-0.017 χ^2/NDF:37.1/26

All: -0.009+/-0.012 χ^2/NDF: 75.5/50

asym_us_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 61.900+/-0.017 χ^2/NDF:727106.5/8

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

Left In: 61.072+/-0.017 χ^2/NDF:505397.2/7

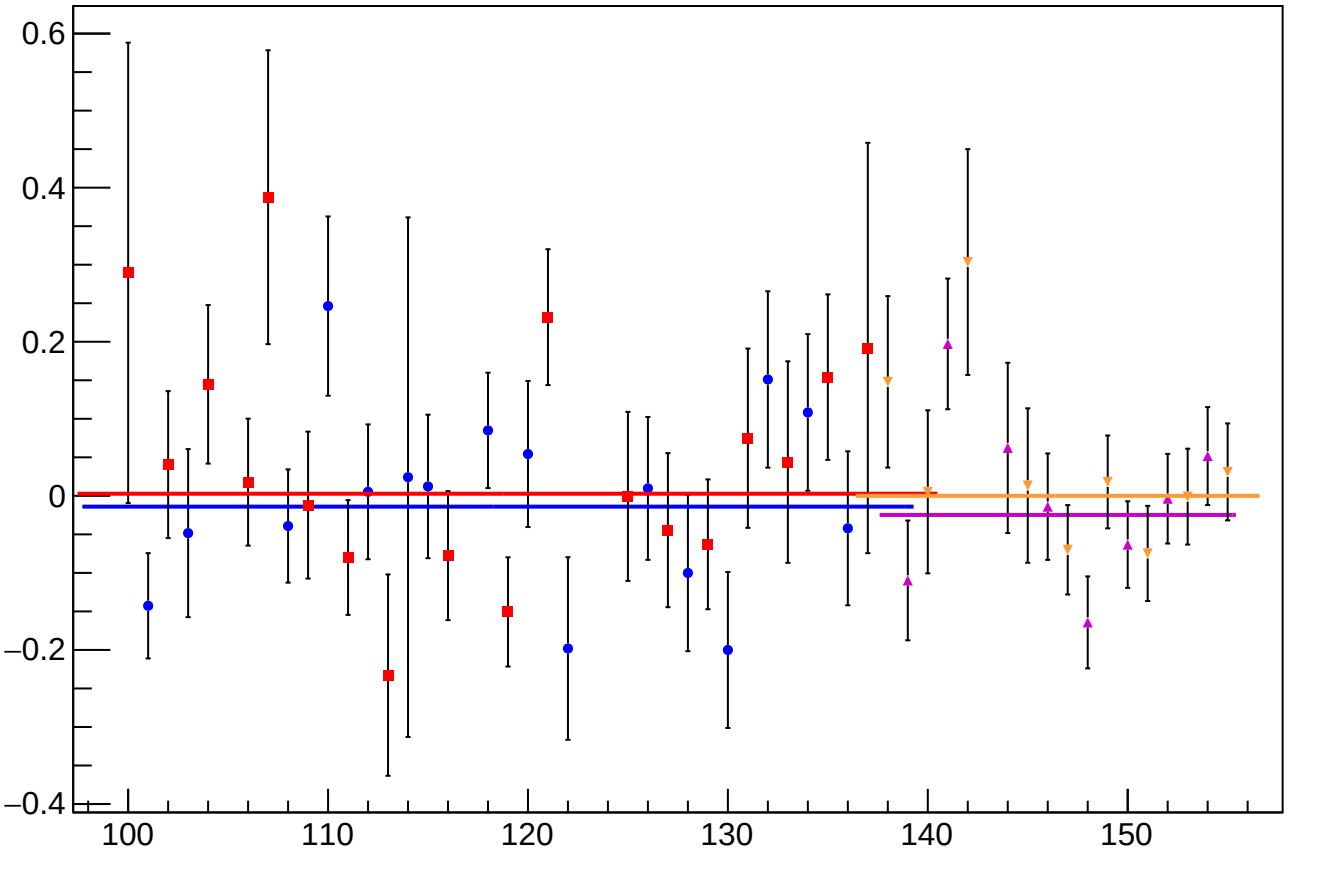
Left: 61.477+/-0.012 χ^2/NDF: 1233668.0/16

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

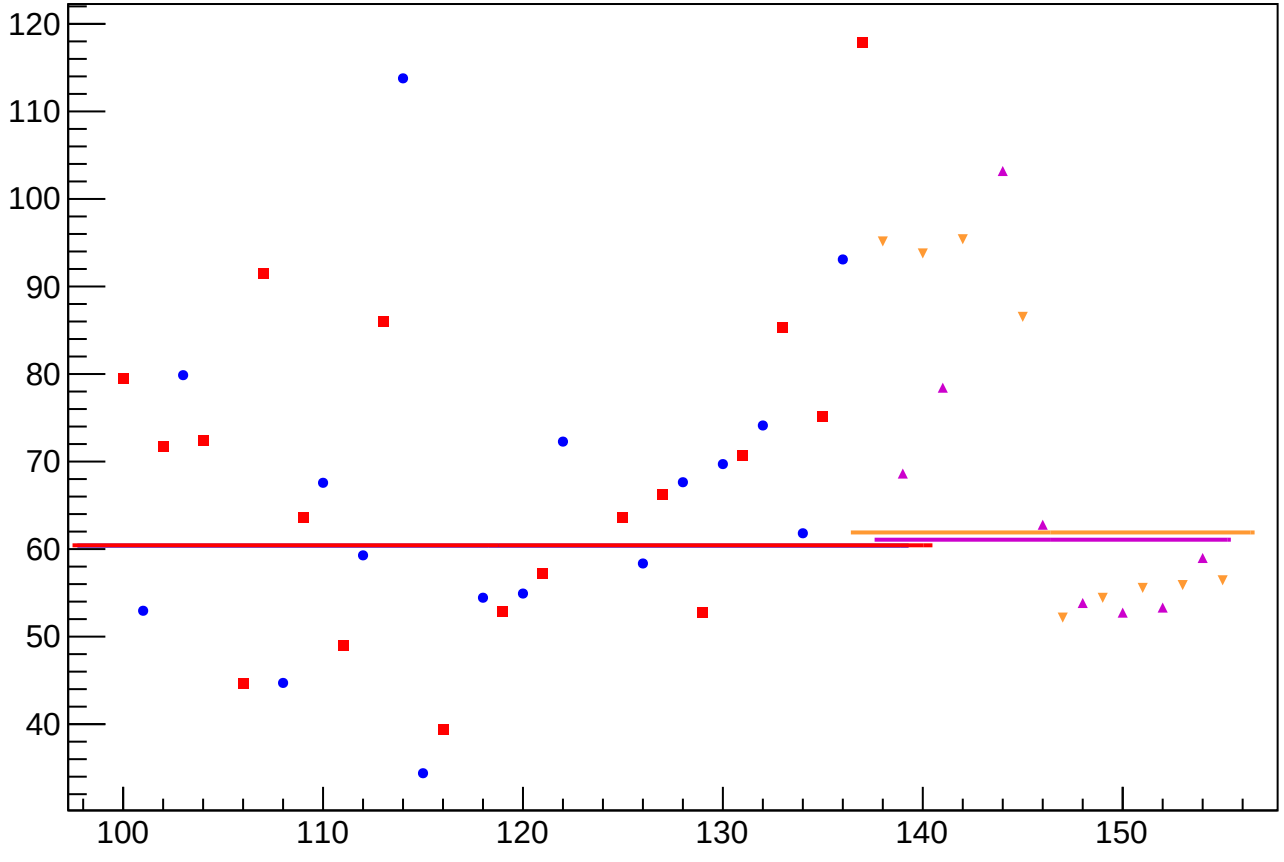
In: 60.733+/-0.012 χ^2/NDF:1209360.1/23

Out: 61.144+/-0.012 χ^2/NDF:1441918.4/26

All: 60.937+/-0.008 χ^2/NDF: 2651862.5/50


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: 0.000+/-0.025 χ²/NDF:9.3/8
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.025+/-0.024 χ²/NDF:16.2/7
Left: -0.013+/-0.017 χ²/NDF: 26.0/16
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.019+/-0.017 χ²/NDF:37.7/23
Out: 0.001+/-0.017 χ²/NDF:37.1/26
All: -0.009+/-0.012 χ²/NDF: 75.5/50

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 61.900+/-0.017 χ^2/NDF:727106.5/8

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

Left In: 61.072+/-0.017 χ^2/NDF:505397.2/7

Left: 61.477+/-0.012 χ^2/NDF: 1233668.0/16

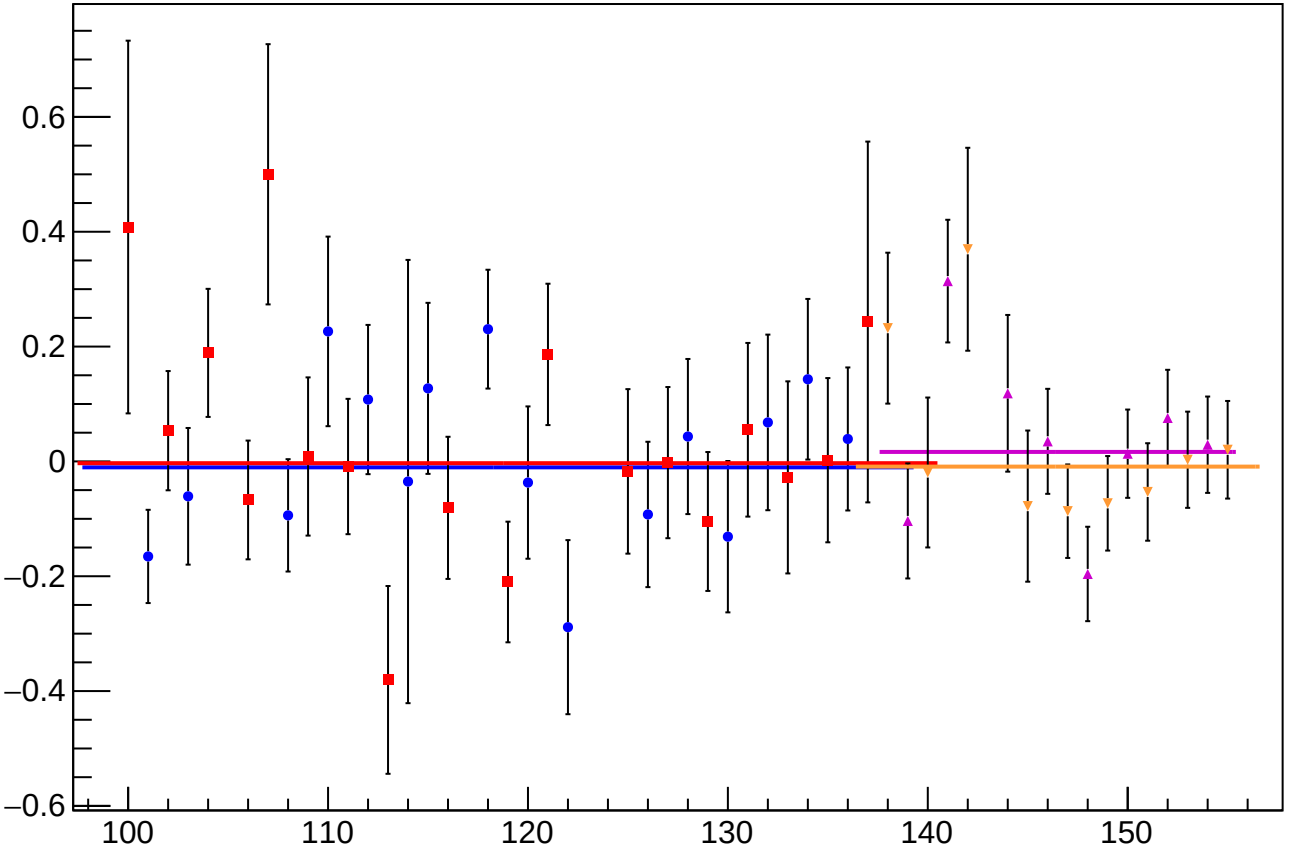
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

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

Out: 61.144+/-0.012 χ^2/NDF:1441918.4/26

All: 60.937+/-0.008 χ^2/NDF: 2651862.5/50

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: -0.009+/-0.033 χ^2/NDF:10.2/8

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

Left In: 0.017+/-0.032 χ^2/NDF:17.0/7

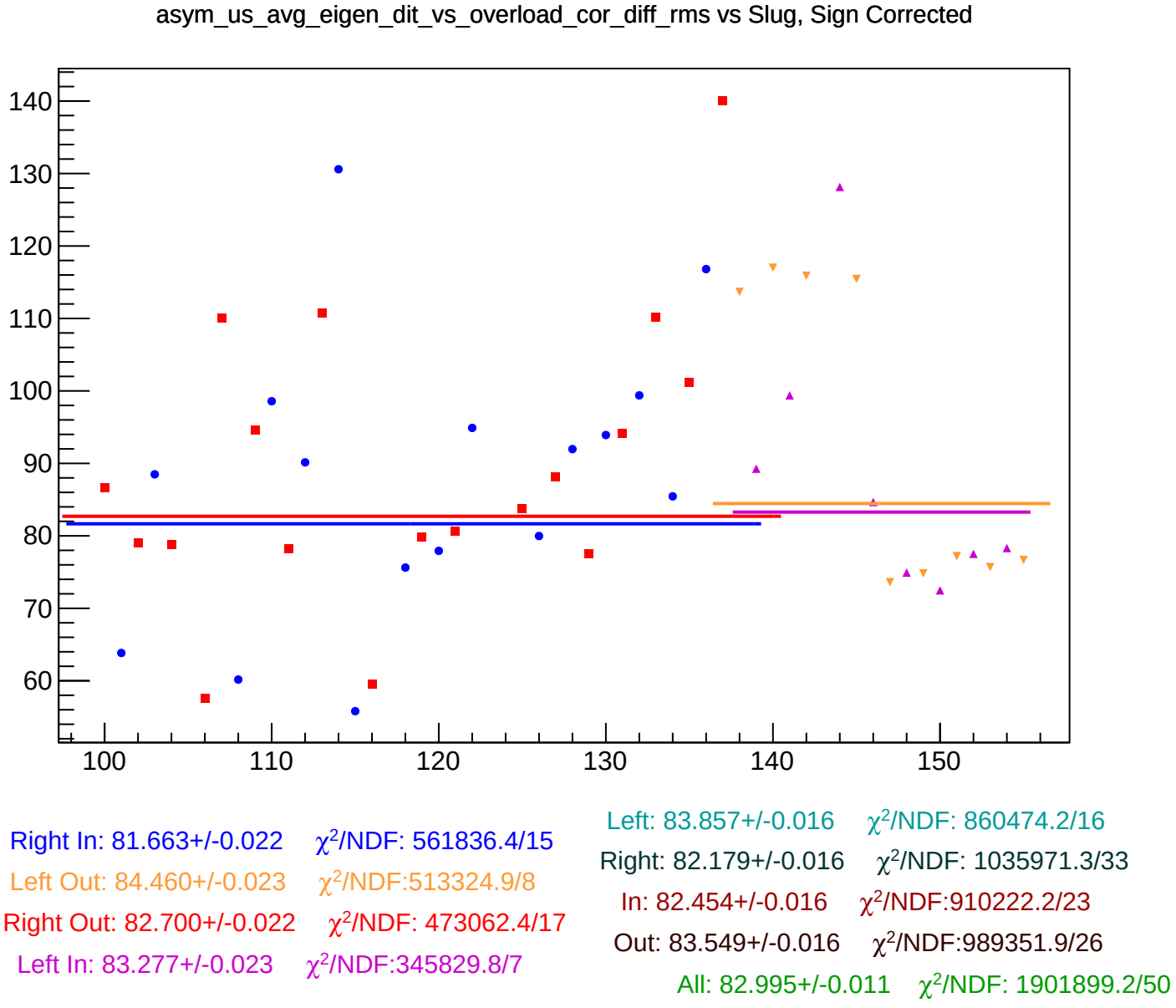
Left: 0.004+/-0.023 χ^2/NDF: 27.5/16

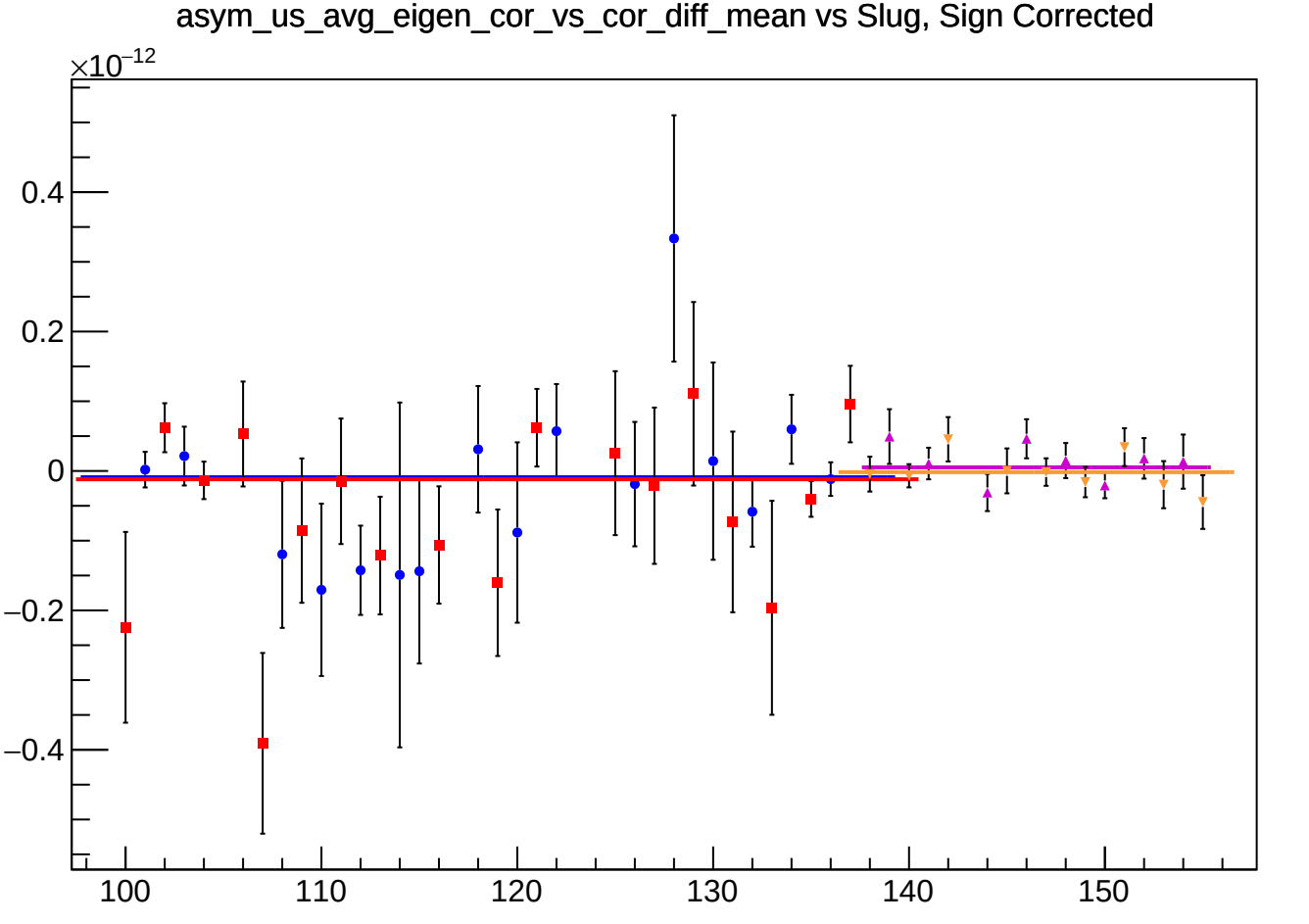
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.003+/-0.023 χ^2/NDF:37.5/23

Out: -0.006+/-0.023 χ^2/NDF:33.8/26

All: -0.002+/-0.016 χ^2/NDF: 71.4/50


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: 84.460+/-0.023 χ²/NDF:513324.9/8
Right Out: 82.700+/-0.022 χ²/NDF: 473062.4/17
Left In: 83.277+/-0.023 χ²/NDF:345829.8/7
Left: 83.857+/-0.016 χ²/NDF: 860474.2/16
Right: 82.179+/-0.016 χ²/NDF: 1035971.3/33
In: 82.454+/-0.016 χ²/NDF:910222.2/23
Out: 83.549+/-0.016 χ²/NDF:989351.9/26
All: 82.995+/-0.011 χ²/NDF: 1901899.2/50



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

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/8

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

Left In: 0.000+/-0.000 χ^2/NDF:7.7/7

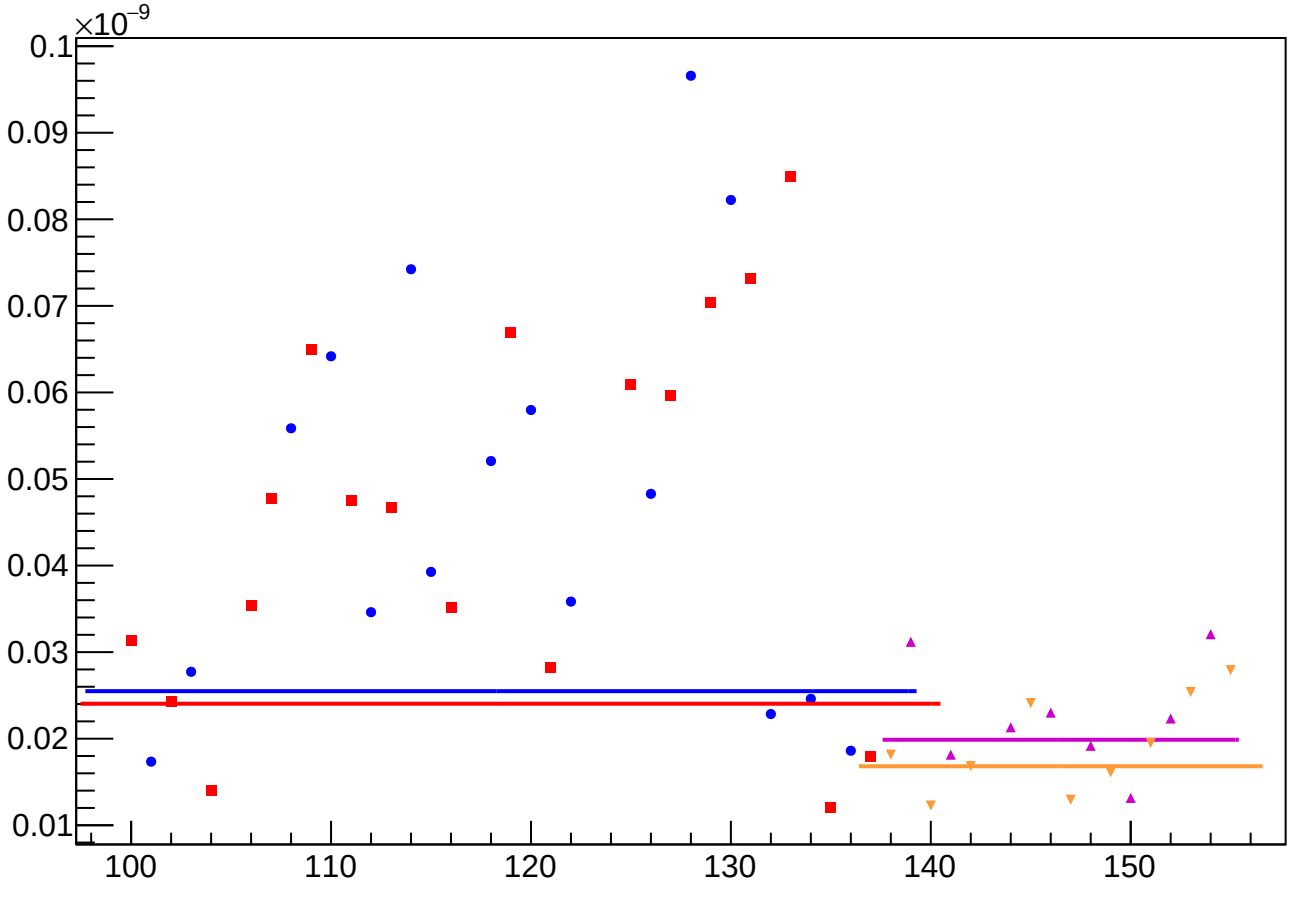
Left: 0.000+/-0.000 χ^2/NDF: 14.0/16

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

In: 0.000+/-0.000 χ^2/NDF:25.9/23

Out: -0.000+/-0.000 χ^2/NDF:37.5/26

All: -0.000+/-0.000 χ^2/NDF: 63.6/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:649618.6/8

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

Left In: 0.000+/-0.000 χ^2/NDF:688477.8/7

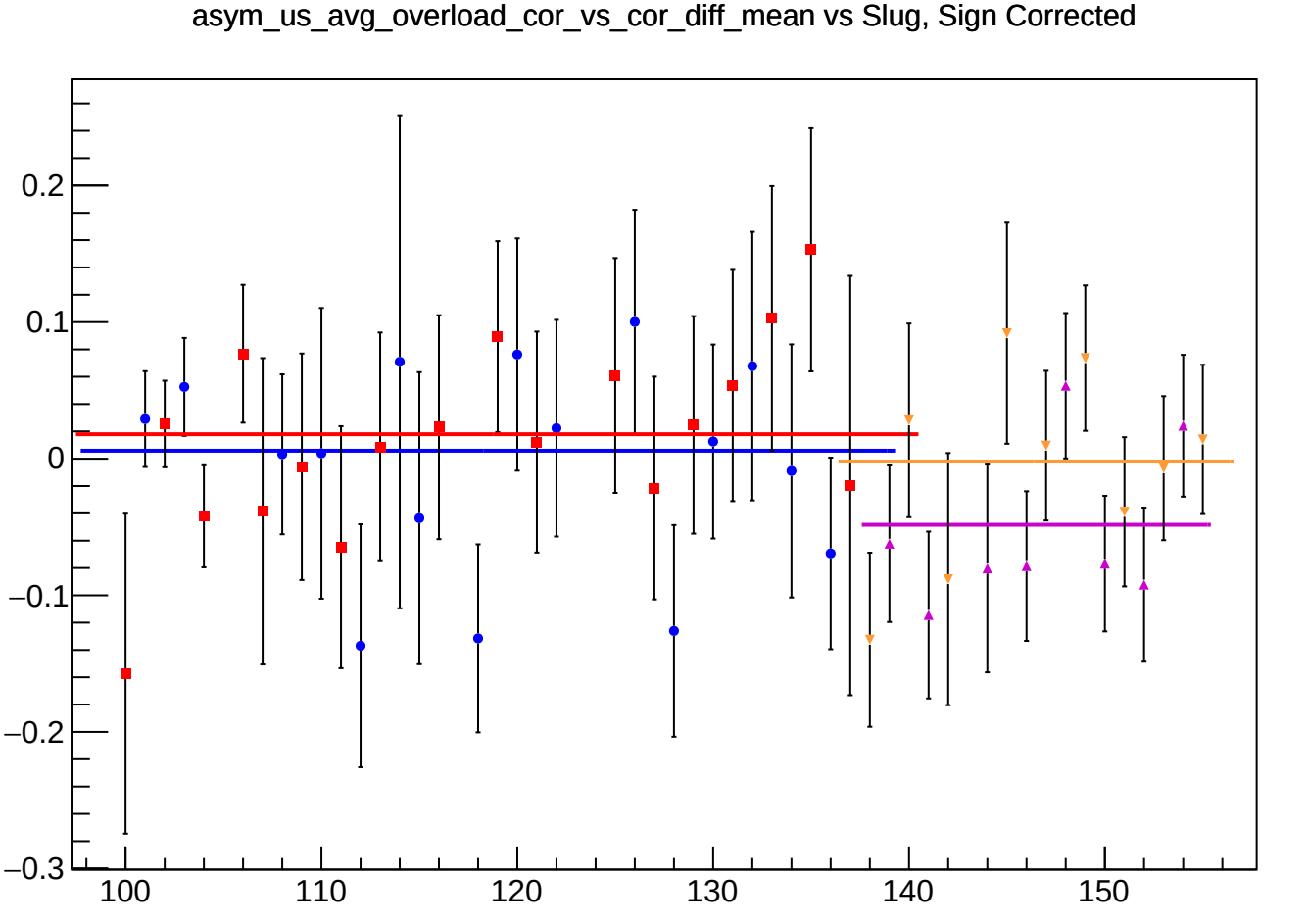
Left: 0.000+/-0.000 χ^2/NDF: 1460115.0/16

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

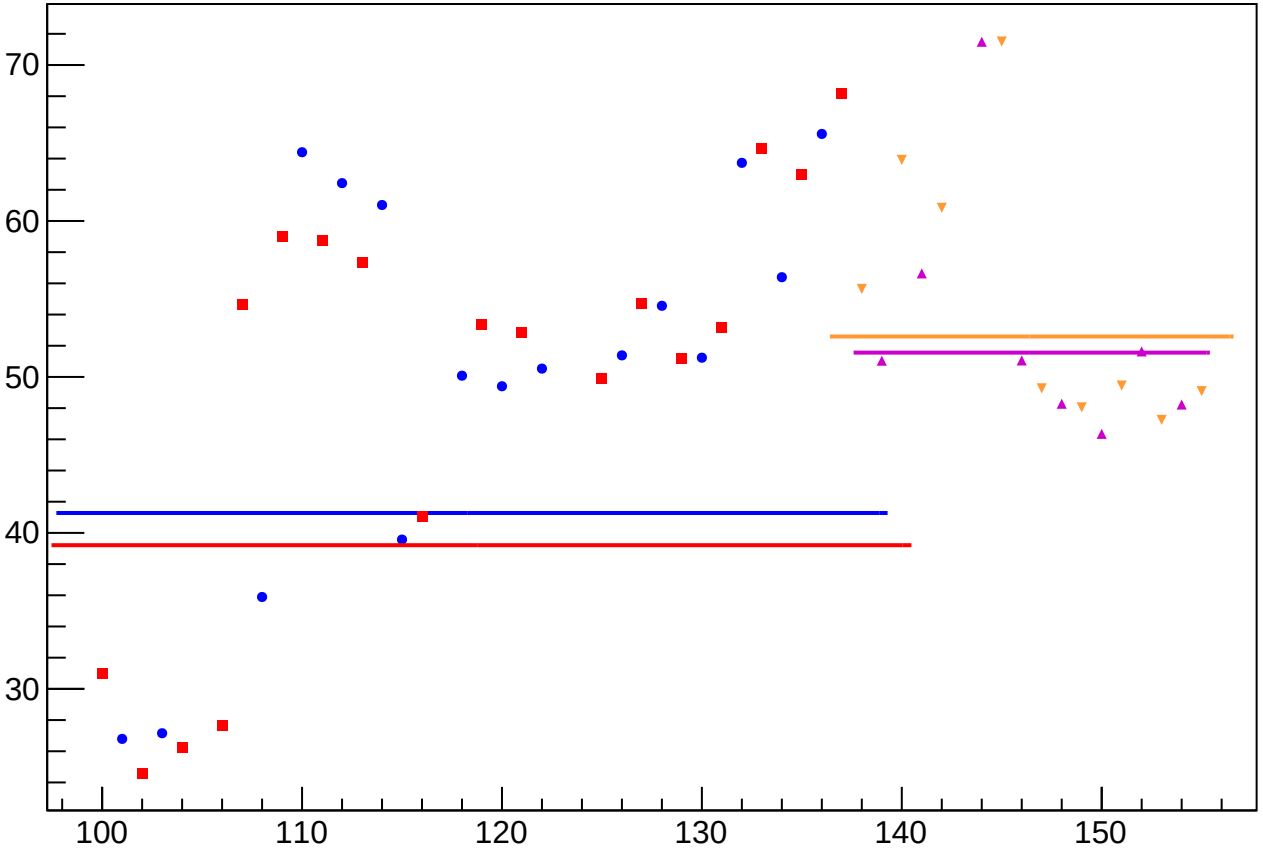
In: 0.000+/-0.000 χ^2/NDF:2929417.1/23

Out: 0.000+/-0.000 χ^2/NDF:4156119.1/26

All: 0.000+/-0.000 χ^2/NDF: 7245568.9/50


asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.006+/-0.017 χ²/NDF: 15.6/15
Left Out: -0.002+/-0.020 χ²/NDF:9.2/8
Right Out: 0.018+/-0.016 χ²/NDF: 12.3/17
Left In: -0.048+/-0.020 χ²/NDF:8.3/7
Left: -0.026+/-0.014 χ²/NDF: 20.1/16
Right: 0.012+/-0.011 χ²/NDF: 28.2/33
In: -0.016+/-0.013 χ²/NDF:28.2/23
Out: 0.010+/-0.012 χ²/NDF:22.1/26
All: -0.003+/-0.009 χ²/NDF: 52.6/50

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 52.592+/-0.014 χ^2/NDF:238265.8/8

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

Left In: 51.560+/-0.014 χ^2/NDF:189475.0/7

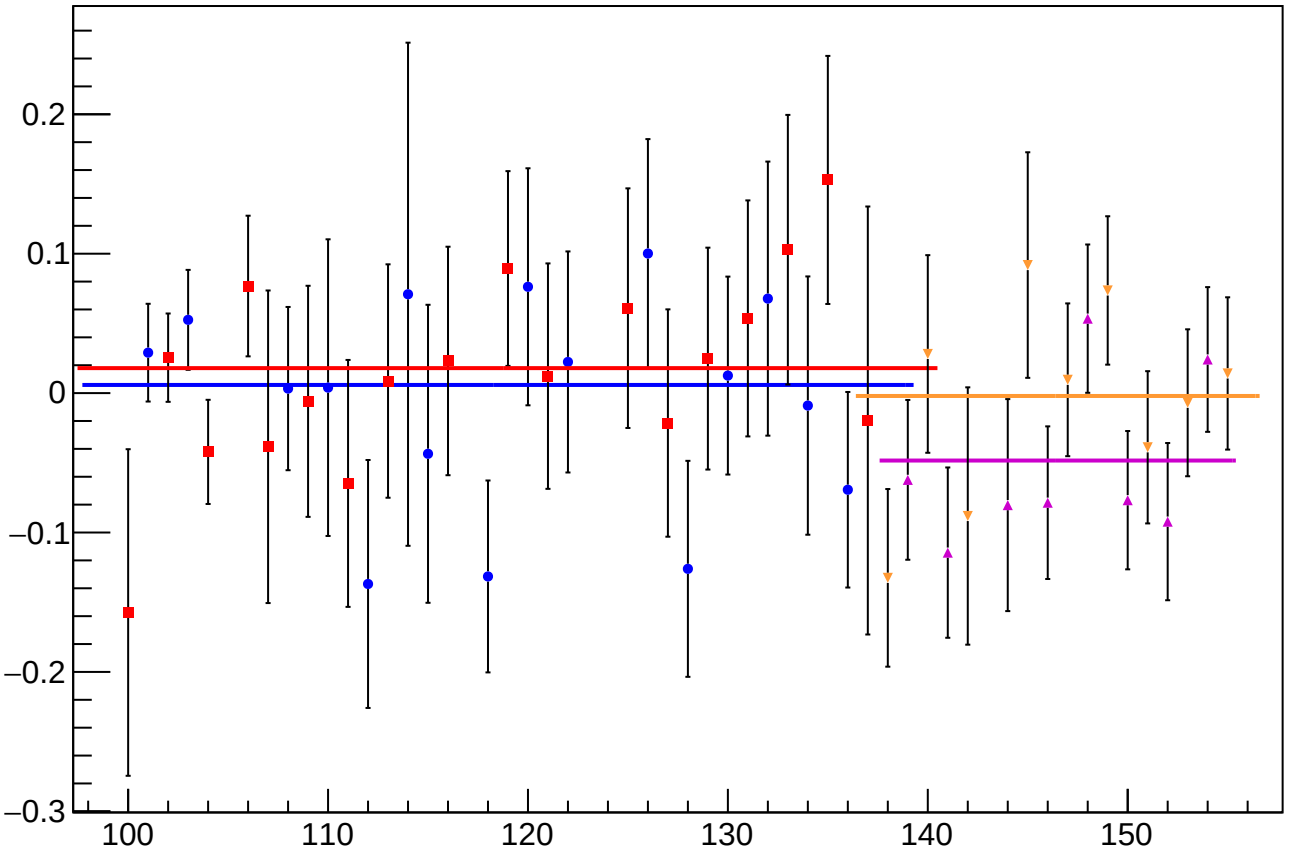
Left: 52.066+/-0.010 χ^2/NDF: 430381.5/16

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

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

Out: 44.241+/-0.009 χ^2/NDF:2601759.3/26

All: 44.843+/-0.006 χ^2/NDF: 4622112.6/50



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

Left Out: -0.002+/-0.020 χ^2/NDF:9.2/8

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

Left In: -0.048+/-0.020 χ^2/NDF:8.3/7

Left: -0.026+/-0.014 χ^2/NDF: 20.1/16

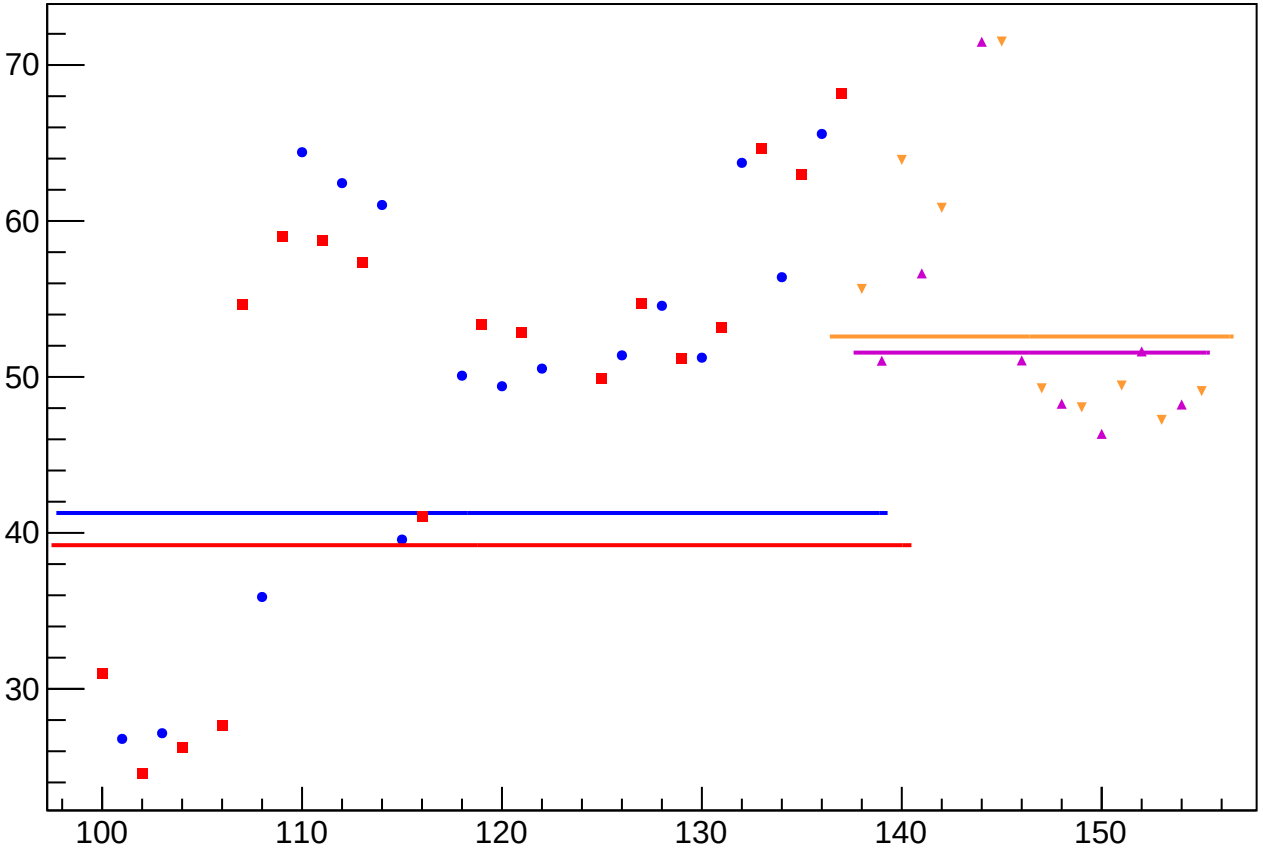
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.016+/-0.013 χ^2/NDF:28.2/23

Out: 0.010+/-0.012 χ^2/NDF:22.1/26

All: -0.003+/-0.009 χ^2/NDF: 52.6/50

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: 52.592+/-0.014 χ^2/NDF:238265.8/8

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

Left In: 51.560+/-0.014 χ^2/NDF:189475.0/7

Left: 52.066+/-0.010 χ^2/NDF: 430381.5/16

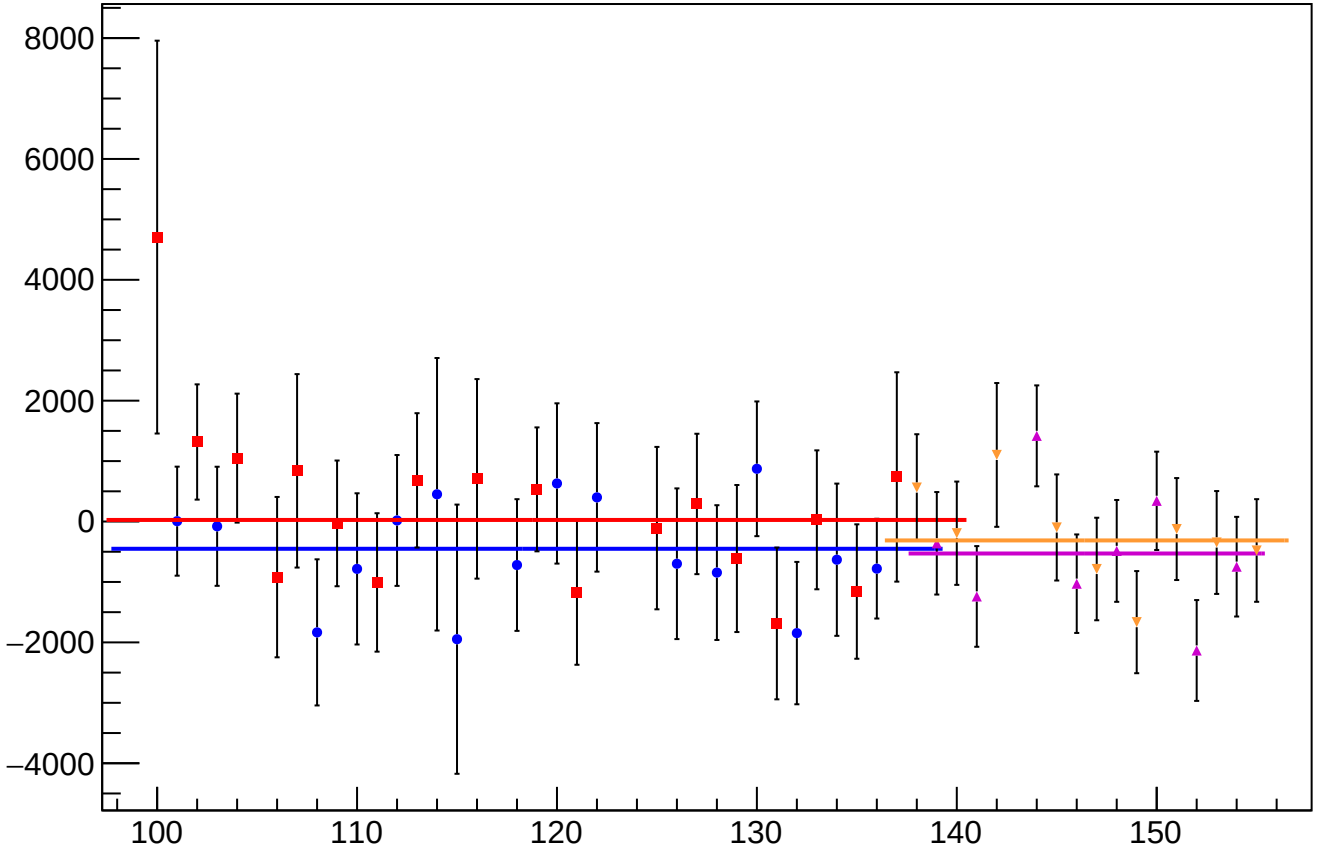
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

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

Out: 44.241+/-0.009 χ^2/NDF:2601759.3/26

All: 44.843+/-0.006 χ^2/NDF: 4622112.6/50

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -312.757+/-293.388 χ^2/NDF:5.4/8

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

Left In: -529.005+/-293.647 χ^2/NDF:11.5/7

Left: -420.786+/-207.548 χ^2/NDF: 17.2/16

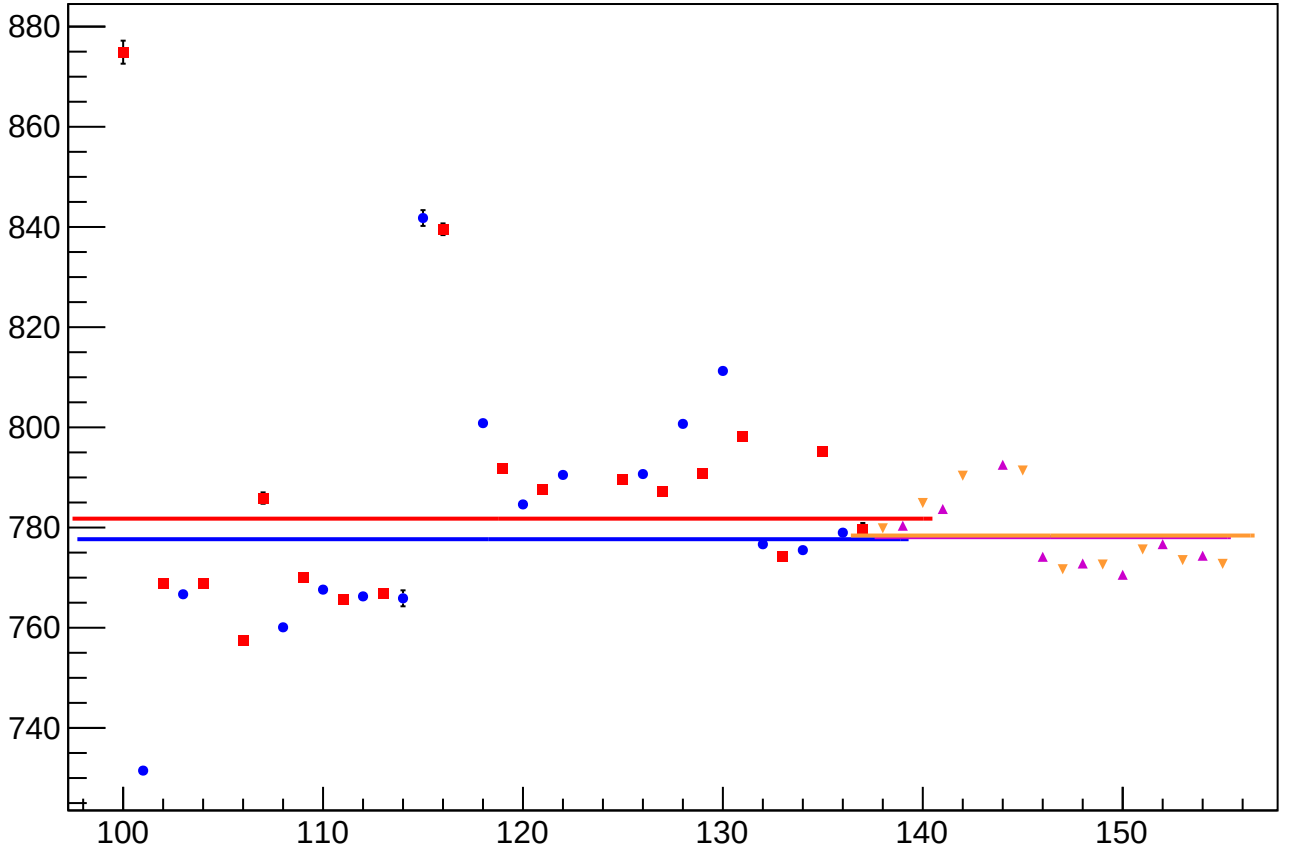
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

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

Out: -140.235+/-205.554 χ^2/NDF:17.8/26

All: -314.449+/-145.492 χ^2/NDF: 37.7/50

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 778.408+/-0.207 χ^2/NDF:1156.1/8

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

Left In: 778.077+/-0.208 χ^2/NDF:1044.9/7

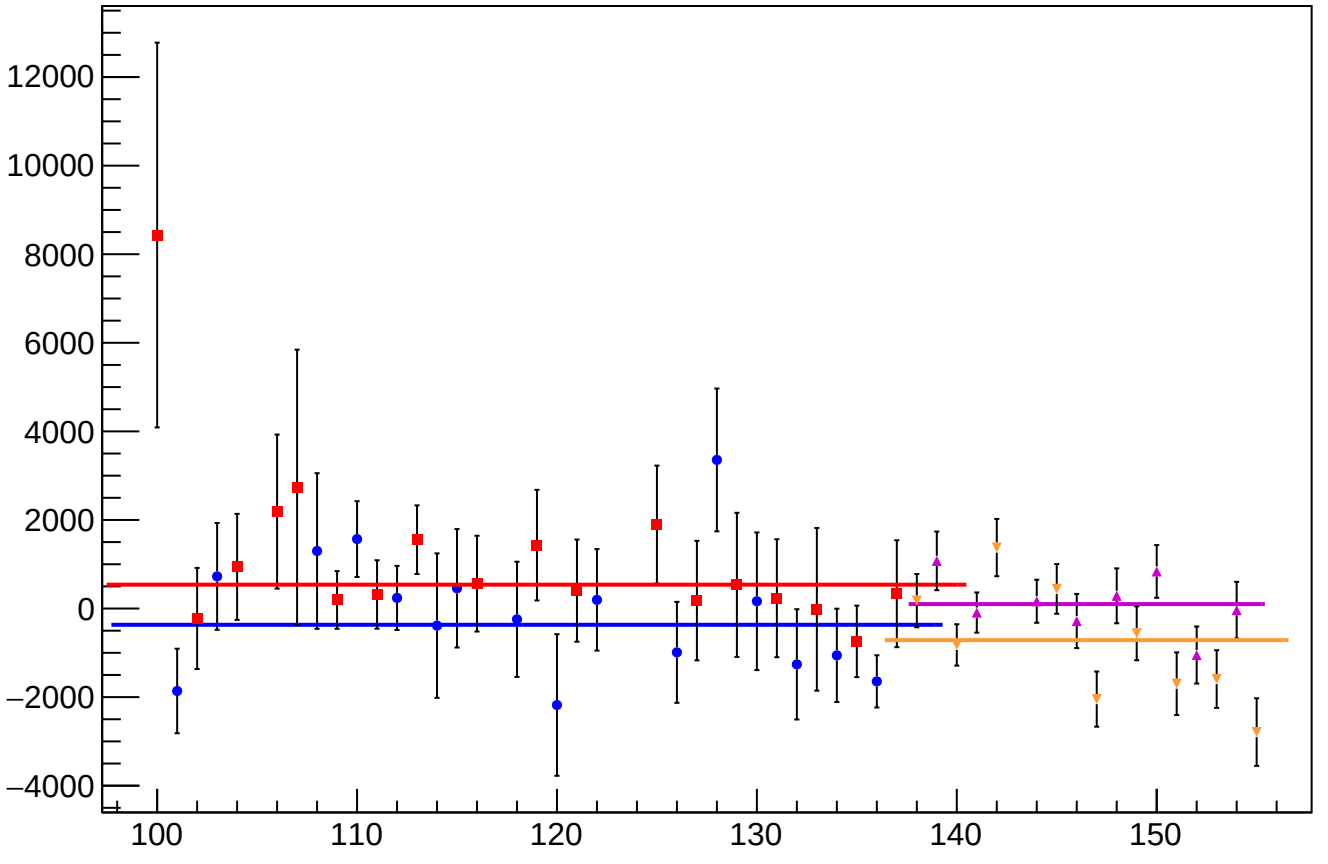
Left: 778.243+/-0.147 χ^2/NDF: 2202.3/16

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

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

Out: 780.123+/-0.145 χ^2/NDF:8916.6/26

All: 779.000+/-0.103 χ^2/NDF: 22138.5/50



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

Left Out: -713.052+/-202.999 χ^2/NDF:32.7/8

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

Left In: 100.797+/-202.772 χ^2/NDF:7.6/7

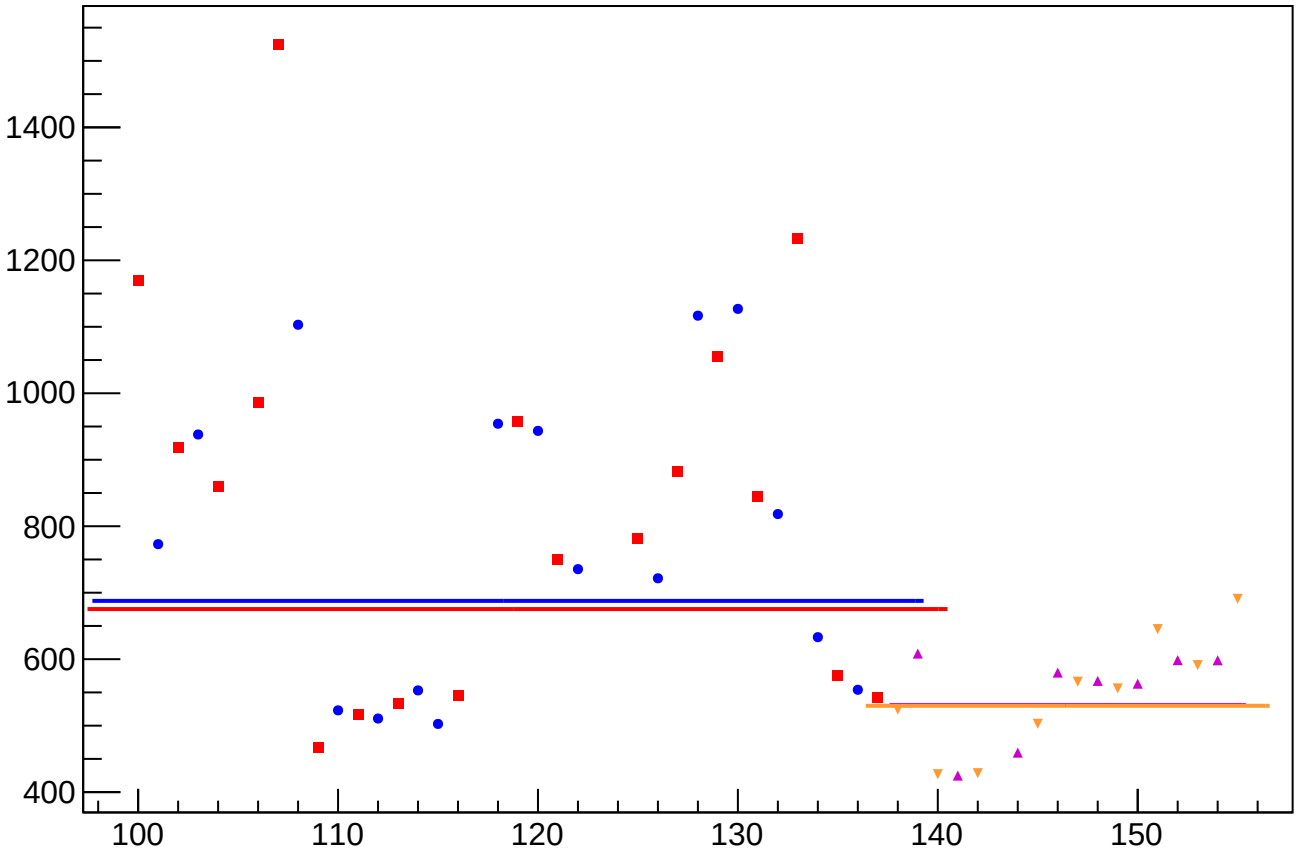
Left: -305.671+/-143.462 χ^2/NDF: 48.4/16

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

In: -70.565+/-161.416 χ^2/NDF:32.9/23

Out: -245.442+/-160.676 χ^2/NDF:58.6/26

All: -158.405+/-113.876 χ^2/NDF: 92.1/50



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

Left Out: 529.885+/-0.144 χ^2/NDF:321232.7/8

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

Left In: 531.120+/-0.143 χ^2/NDF:249670.6/7

Left: 530.503+/-0.101 χ^2/NDF: 570940.3/16

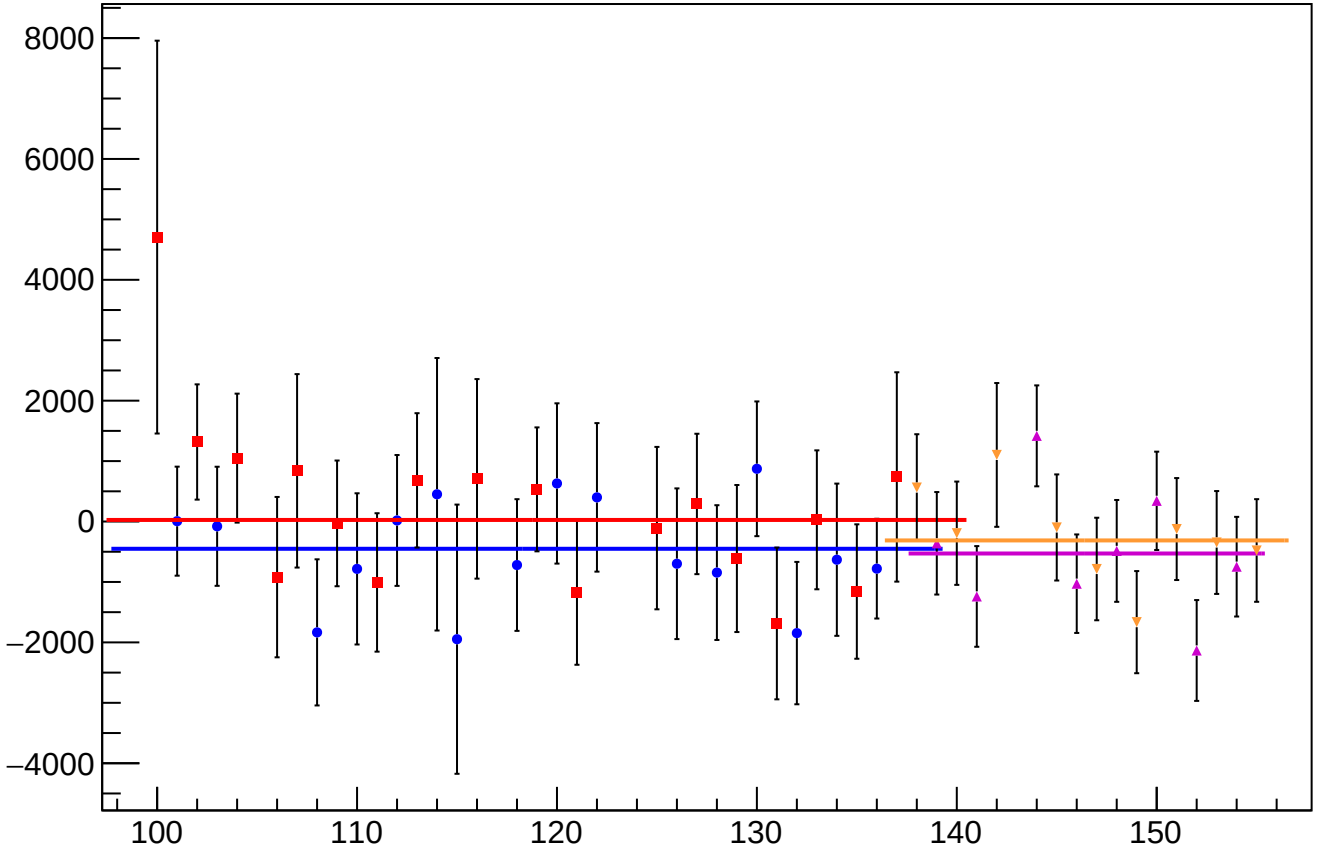
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 584.240+/-0.114 χ^2/NDF:2018132.4/26

All: 586.352+/-0.081 χ^2/NDF: 3737353.0/50

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -312.757+/-293.388 χ^2/NDF:5.4/8

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

Left In: -529.005+/-293.647 χ^2/NDF:11.5/7

Left: -420.786+/-207.548 χ^2/NDF: 17.2/16

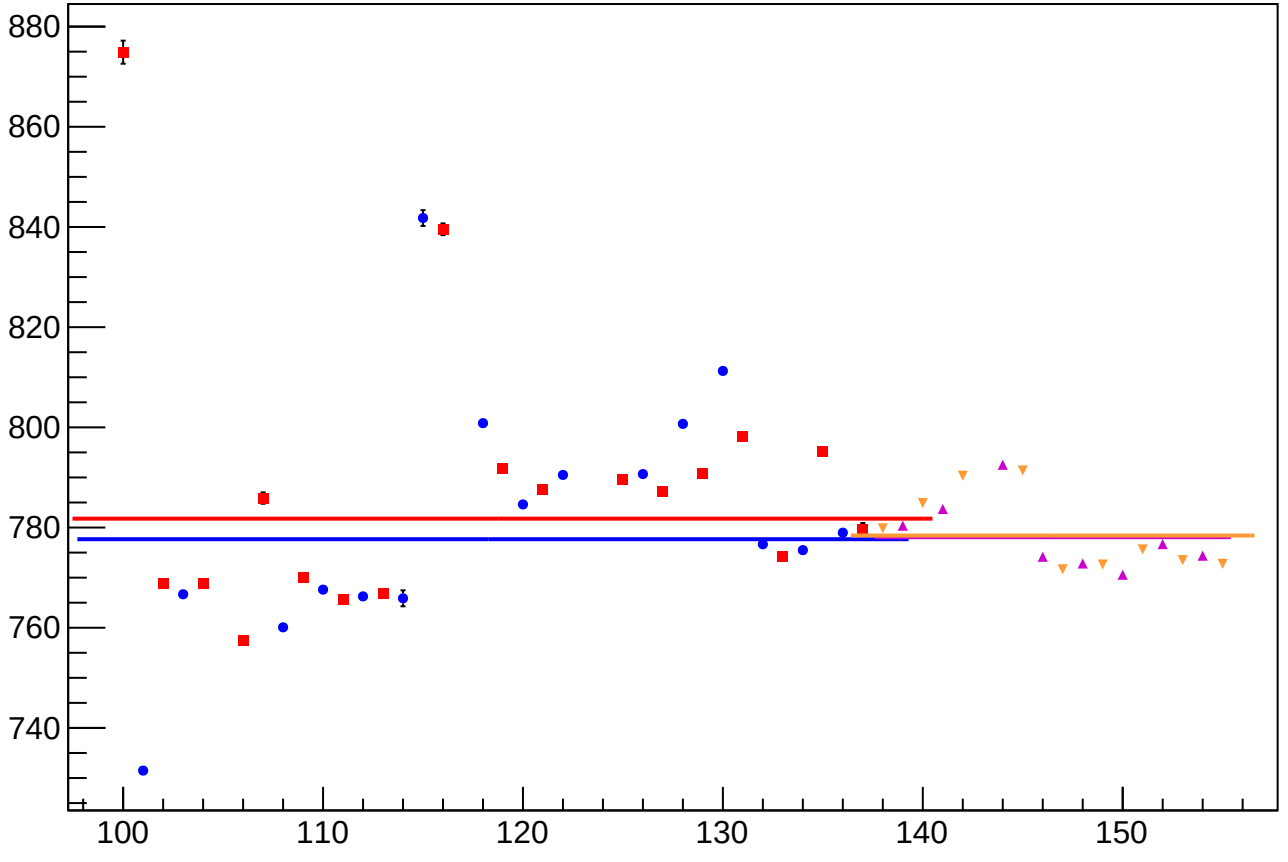
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

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

Out: -140.235+/-205.554 χ^2/NDF:17.8/26

All: -314.449+/-145.492 χ^2/NDF: 37.7/50

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 778.408+/-0.207 χ^2/NDF:1156.1/8

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

Left In: 778.077+/-0.208 χ^2/NDF:1044.9/7

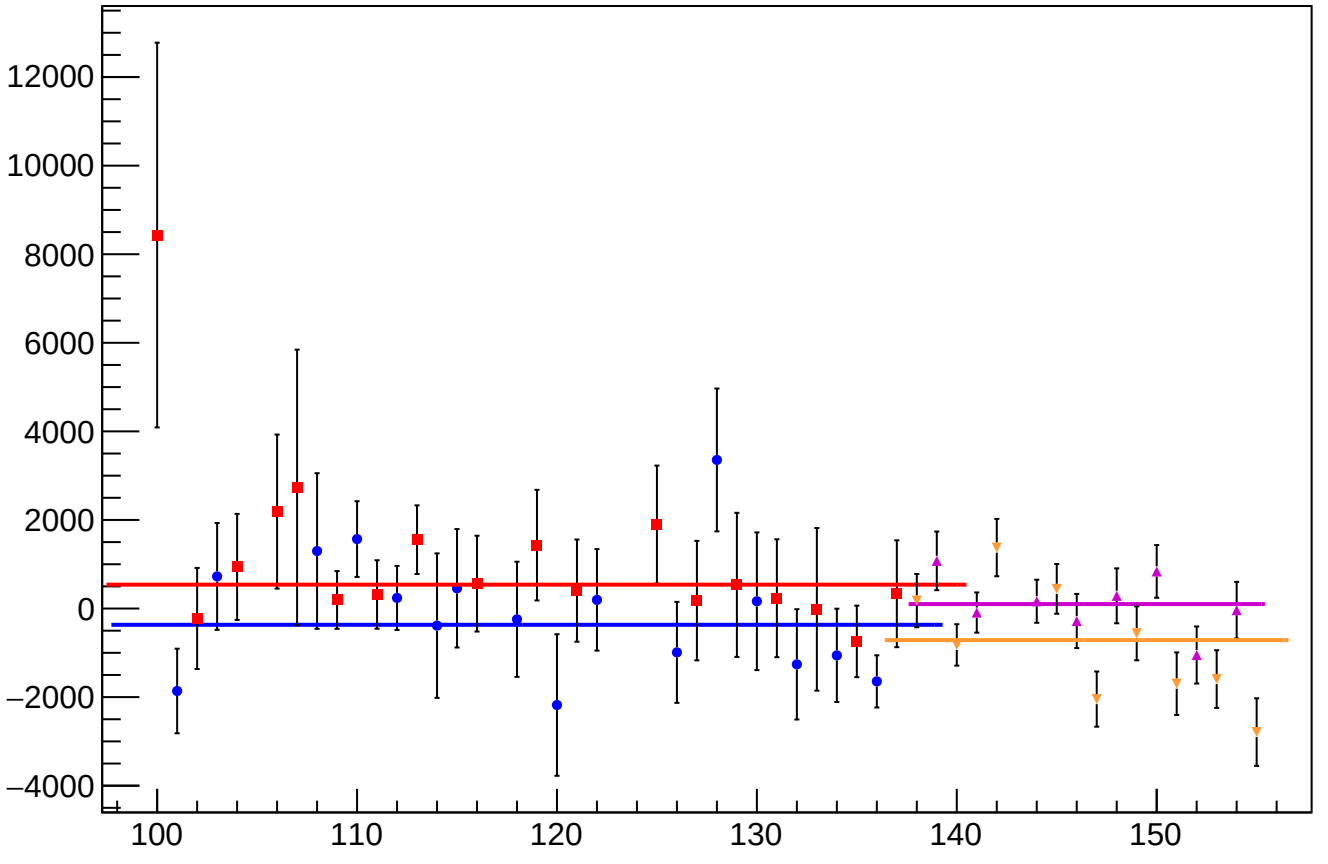
Left: 778.243+/-0.147 χ^2/NDF: 2202.3/16

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

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

Out: 780.123+/-0.145 χ^2/NDF:8916.6/26

All: 779.000+/-0.103 χ^2/NDF: 22138.5/50



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

Left Out: -713.052+/-202.999 χ^2/NDF:32.7/8

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

Left In: 100.797+/-202.772 χ^2/NDF:7.6/7

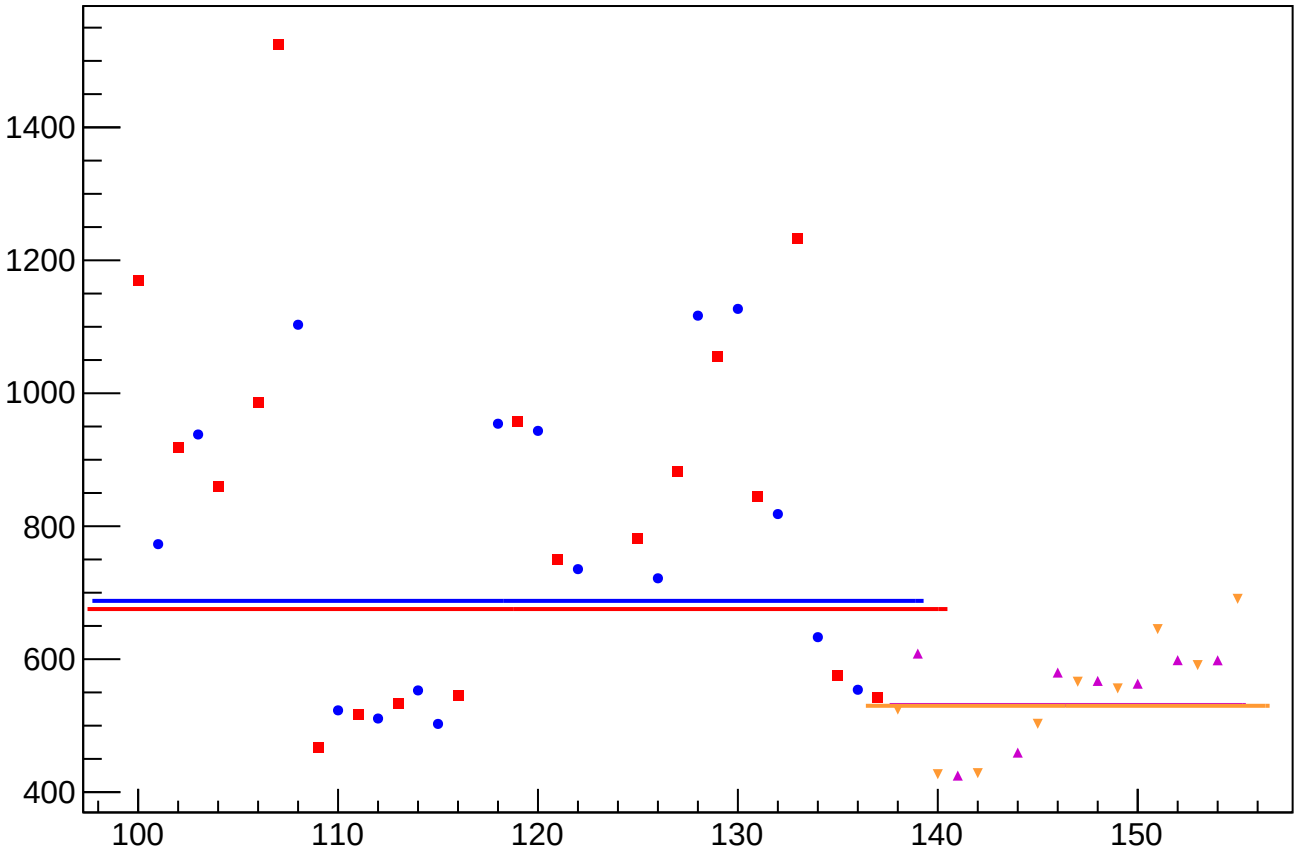
Left: -305.671+/-143.462 χ^2/NDF: 48.4/16

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

In: -70.565+/-161.416 χ^2/NDF:32.9/23

Out: -245.442+/-160.676 χ^2/NDF:58.6/26

All: -158.405+/-113.876 χ^2/NDF: 92.1/50



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

Left Out: 529.885+/-0.144 χ^2/NDF:321232.7/8

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

Left In: 531.120+/-0.143 χ^2/NDF:249670.6/7

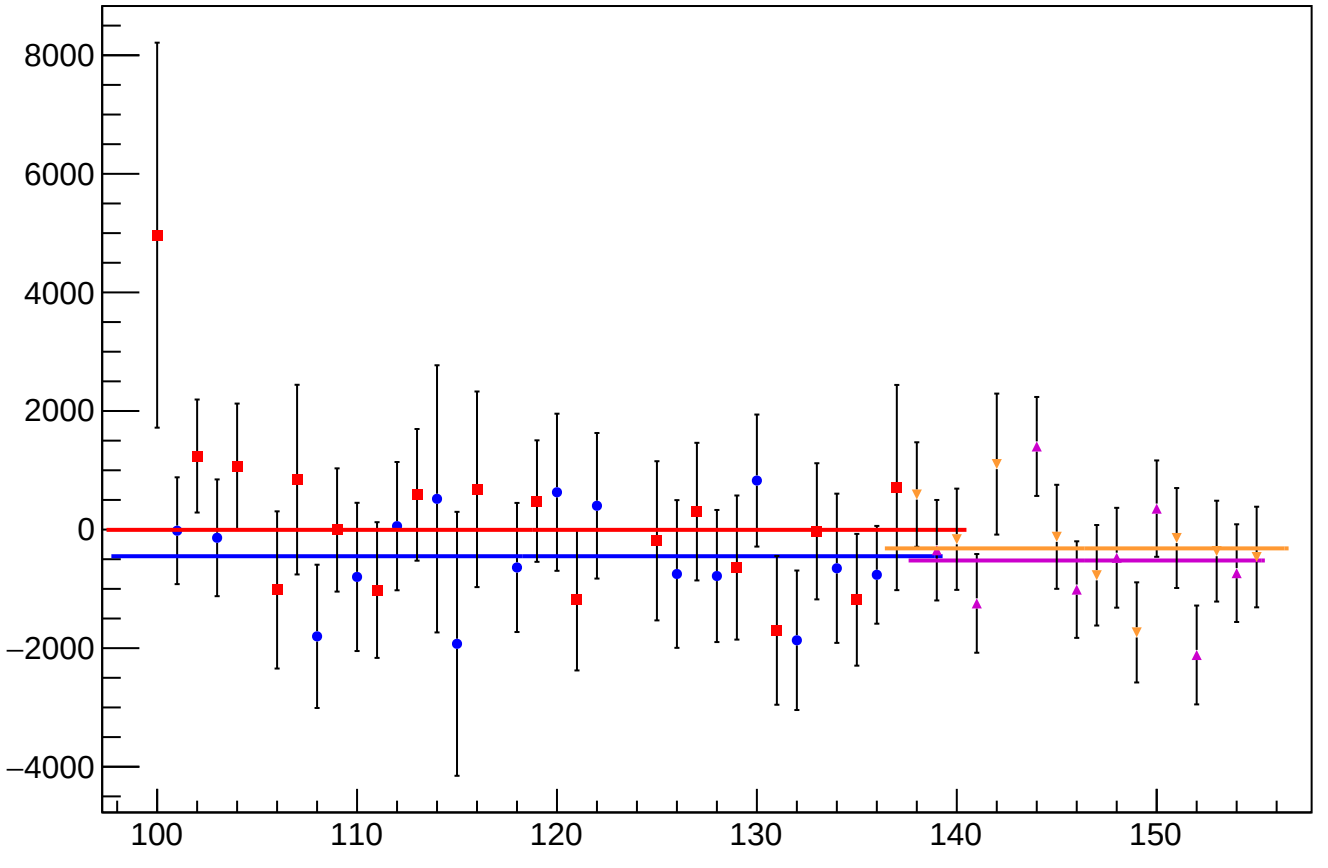
Left: 530.503+/-0.101 χ^2/NDF: 570940.3/16

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

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

Out: 584.240+/-0.114 χ^2/NDF:2018132.4/26

All: 586.352+/-0.081 χ^2/NDF: 3737353.0/50



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

Left Out: -317.268+/-293.131 χ^2/NDF:5.7/8

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

Left In: -521.368+/-293.409 χ^2/NDF:11.4/7

Left: -419.221+/-207.373 χ^2/NDF: 17.3/16

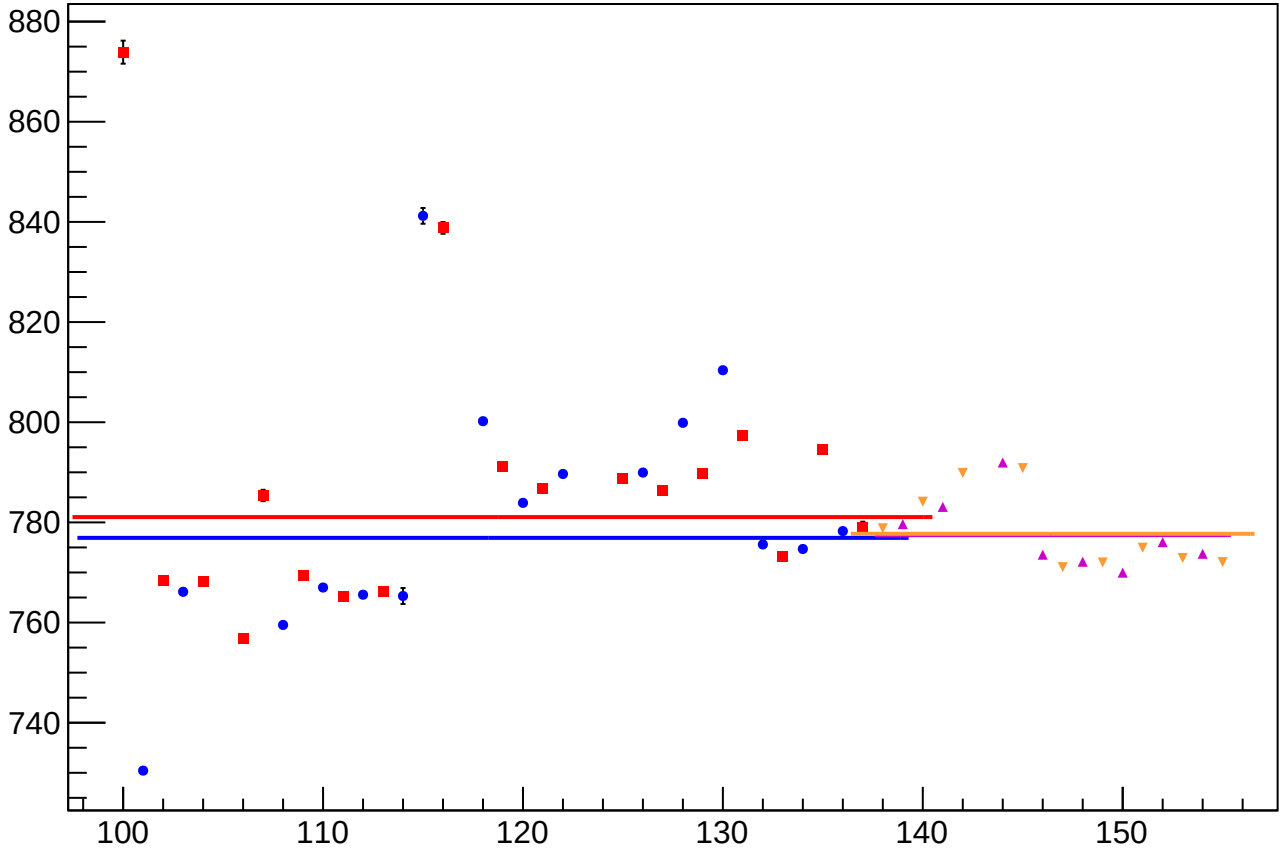
Right: -226.380+/-203.817 χ^2/NDF: 19.8/33

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

Out: -158.097+/-205.370 χ^2/NDF:18.2/26

All: -321.133+/-145.361 χ^2/NDF: 37.6/50

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.726+/-0.207 χ^2/NDF:1161.2/8

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

Left In: 777.448+/-0.207 χ^2/NDF:1050.8/7

Left: 777.587+/-0.147 χ^2/NDF: 2212.9/16

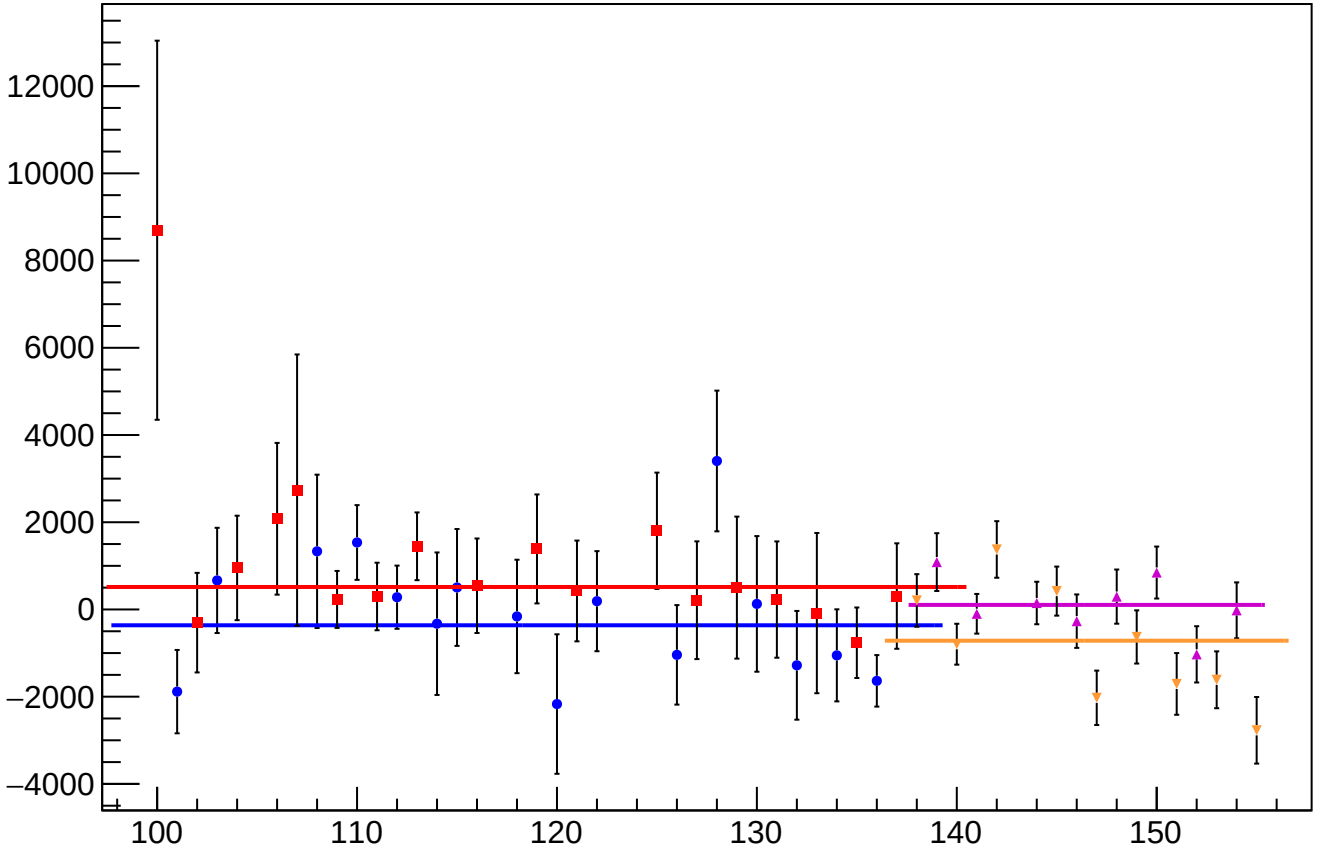
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

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

Out: 779.424+/-0.145 χ^2/NDF:8878.8/26

All: 778.302+/-0.103 χ^2/NDF: 22176.1/50

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: -716.363+/-203.421 χ^2/NDF:32.4/8

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

Left In: 104.261+/-203.141 χ^2/NDF:7.5/7

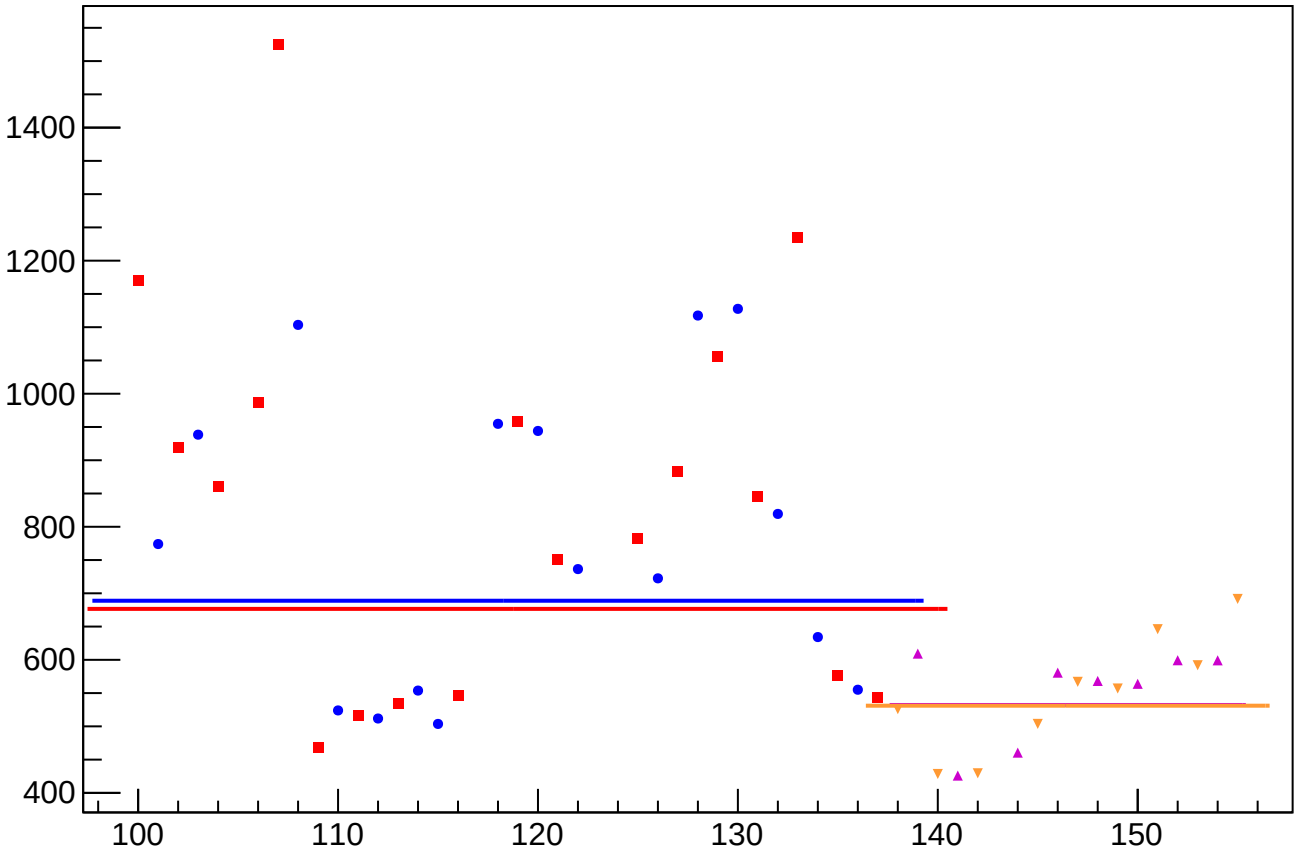
Left: -305.486+/-143.741 χ^2/NDF: 48.1/16

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

In: -66.912+/-161.688 χ^2/NDF:32.9/23

Out: -255.997+/-160.976 χ^2/NDF:57.5/26

All: -161.872+/-114.078 χ^2/NDF: 91.0/50



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

Left Out: 531.058+/-0.144 χ^2/NDF:318549.5/8

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

Left In: 532.130+/-0.144 χ^2/NDF:247943.8/7

Left: 531.595+/-0.102 χ^2/NDF: 566521.1/16

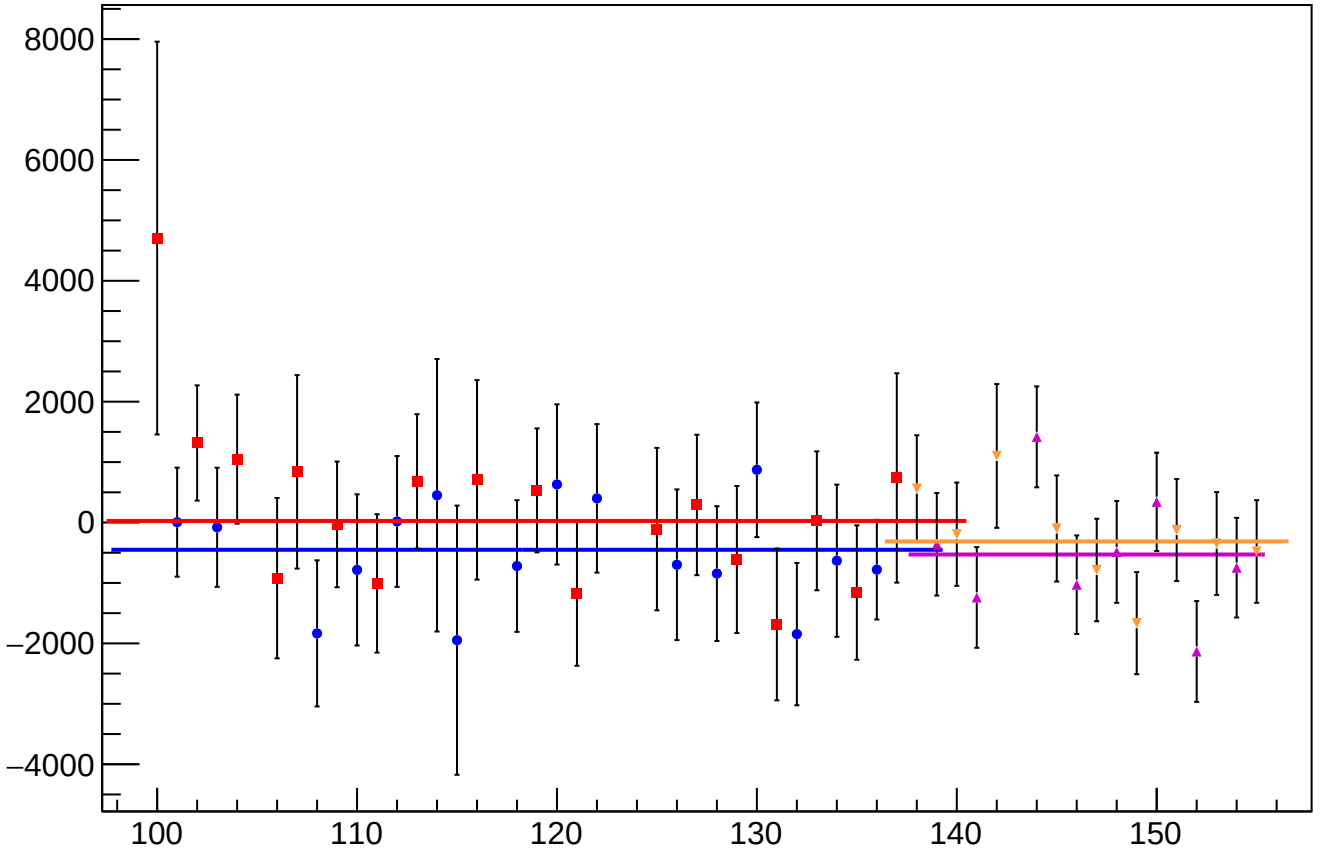
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

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

Out: 585.448+/-0.114 χ^2/NDF:2009110.3/26

All: 587.493+/-0.081 χ^2/NDF: 3721954.9/50

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -312.757+/-293.388 χ^2/NDF:5.4/8

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

Left In: -529.005+/-293.647 χ^2/NDF:11.5/7

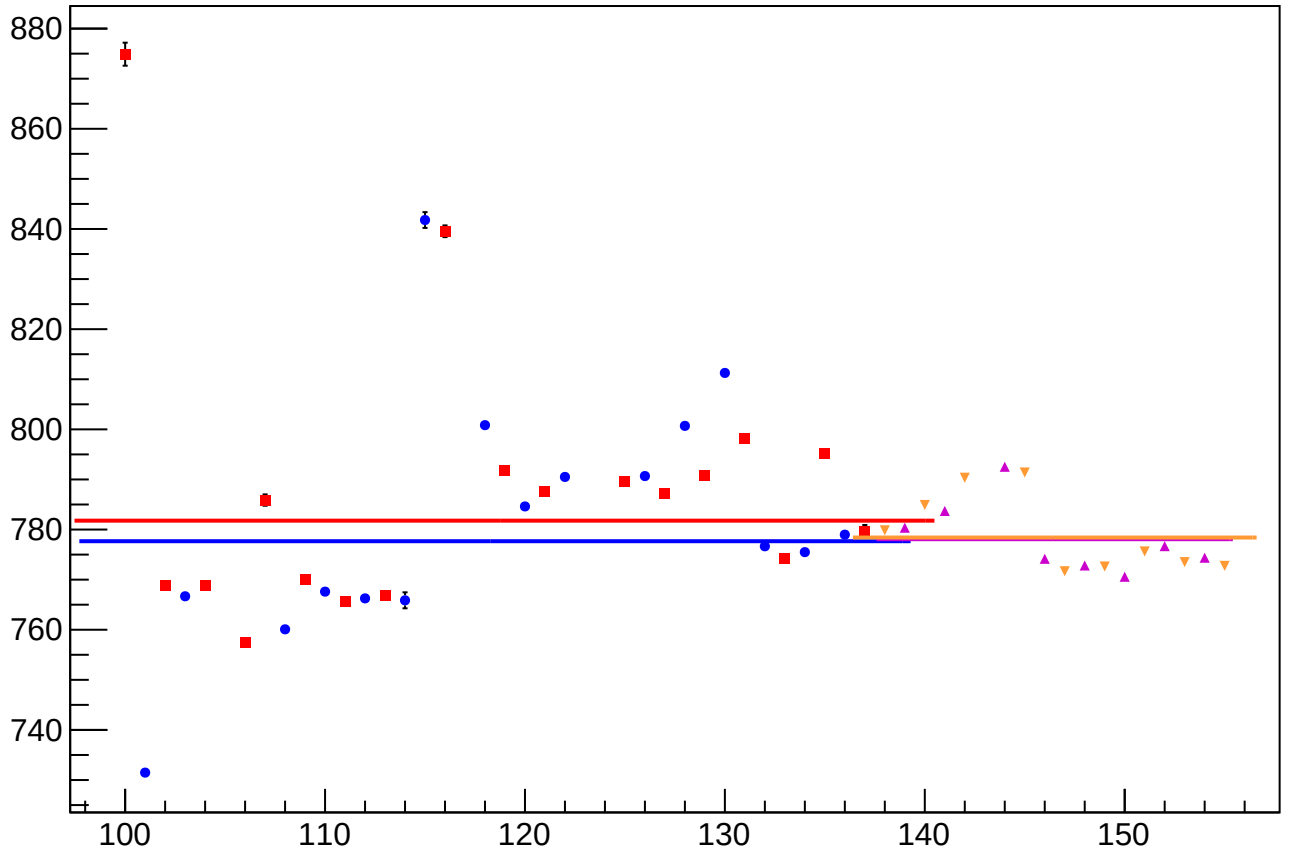
Left: -420.786+/-207.548 χ^2/NDF: 17.2/16

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

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

Out: -140.235+/-205.554 χ^2/NDF:17.8/26

All: -314.449+/-145.492 χ^2/NDF: 37.7/50



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

Left Out: 778.408+/-0.207 χ^2/NDF:1156.1/8

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

Left In: 778.077+/-0.208 χ^2/NDF:1044.9/7

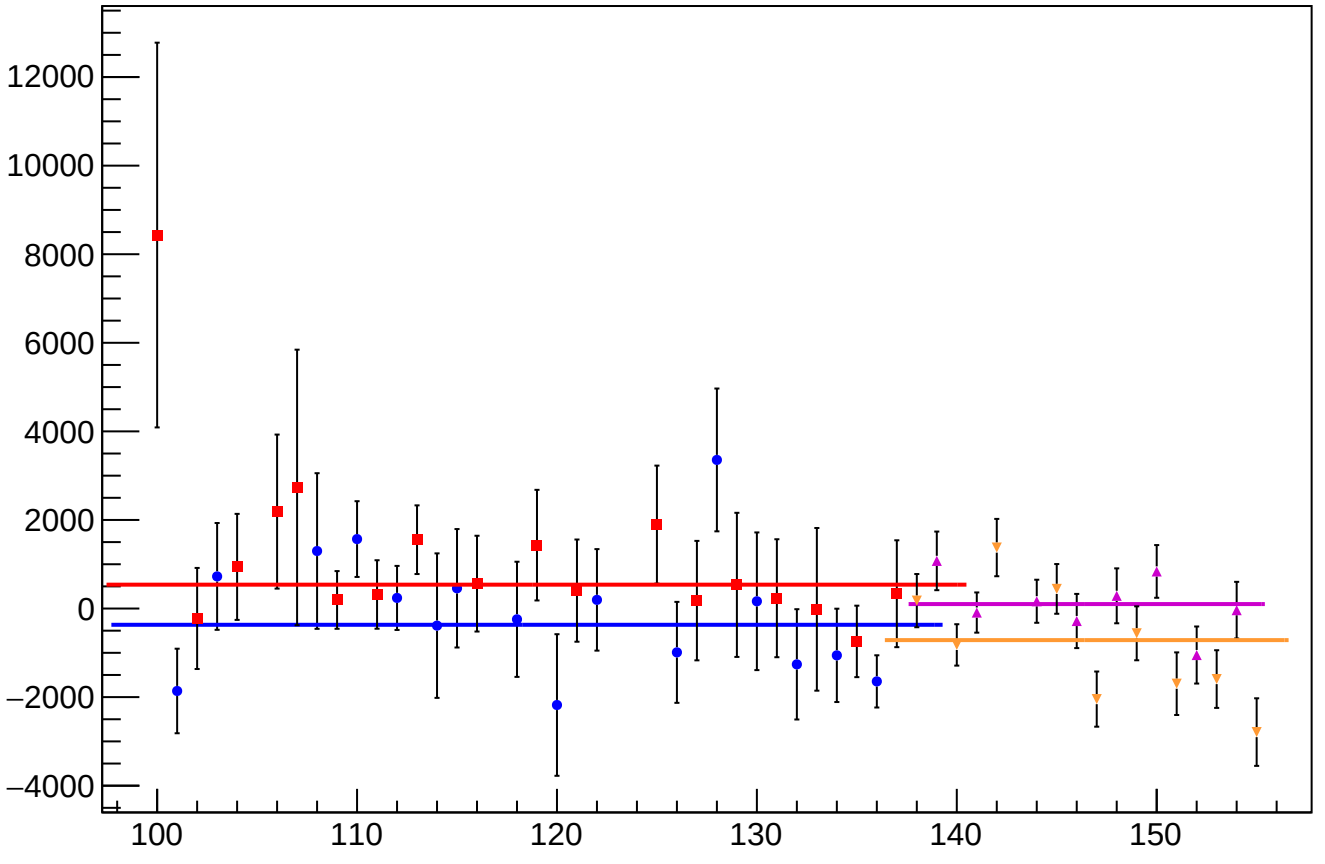
Left: 778.243+/-0.147 χ^2/NDF: 2202.3/16

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

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

Out: 780.123+/-0.145 χ^2/NDF:8916.6/26

All: 779.000+/-0.103 χ^2/NDF: 22138.5/50



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

Left Out: -713.052+/-202.999 χ^2/NDF:32.7/8

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

Left In: 100.797+/-202.772 χ^2/NDF:7.6/7

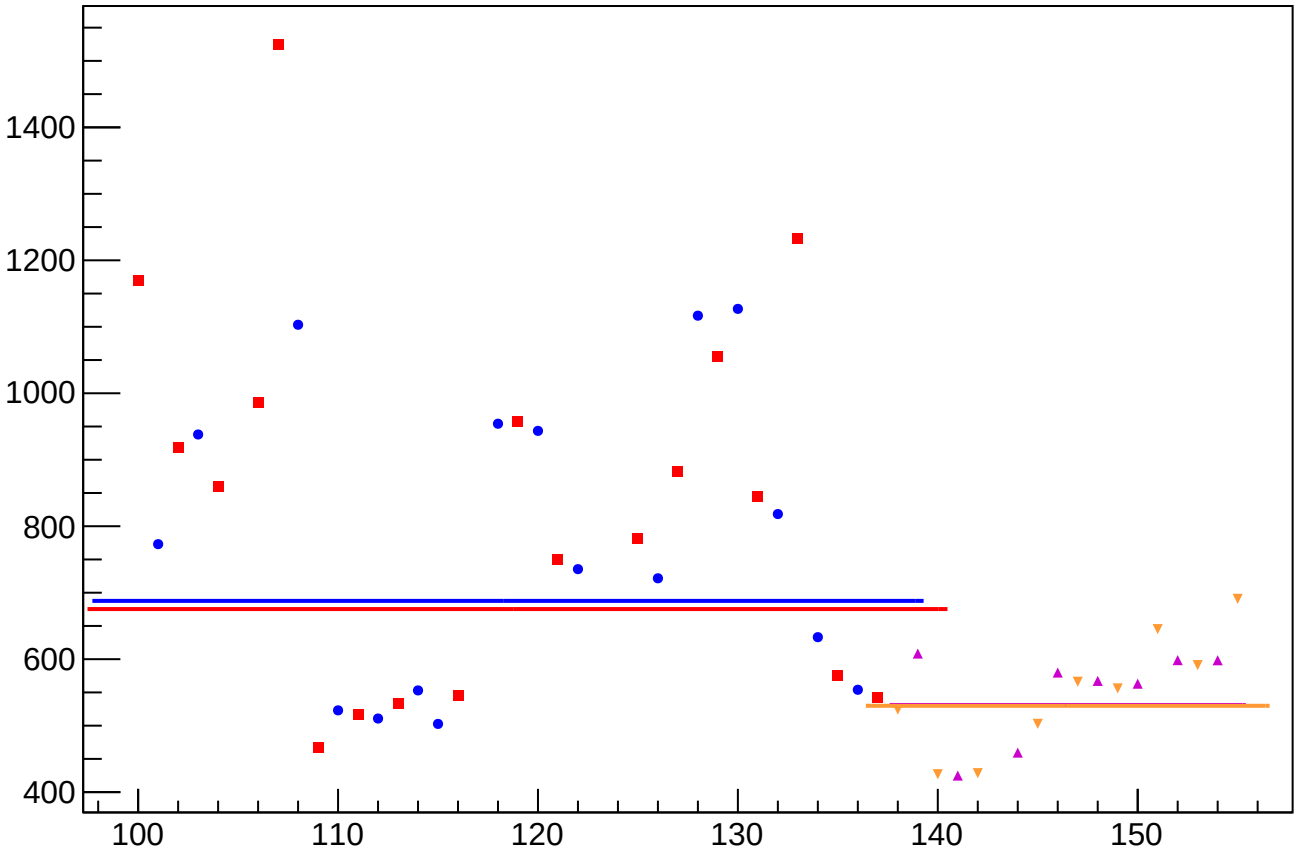
Left: -305.671+/-143.462 χ^2/NDF: 48.4/16

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

In: -70.565+/-161.416 χ^2/NDF:32.9/23

Out: -245.442+/-160.676 χ^2/NDF:58.6/26

All: -158.405+/-113.876 χ^2/NDF: 92.1/50



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

Left Out: 529.885+/-0.144 χ^2/NDF:321232.7/8

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

Left In: 531.120+/-0.143 χ^2/NDF:249670.6/7

Left: 530.503+/-0.101 χ^2/NDF: 570940.3/16

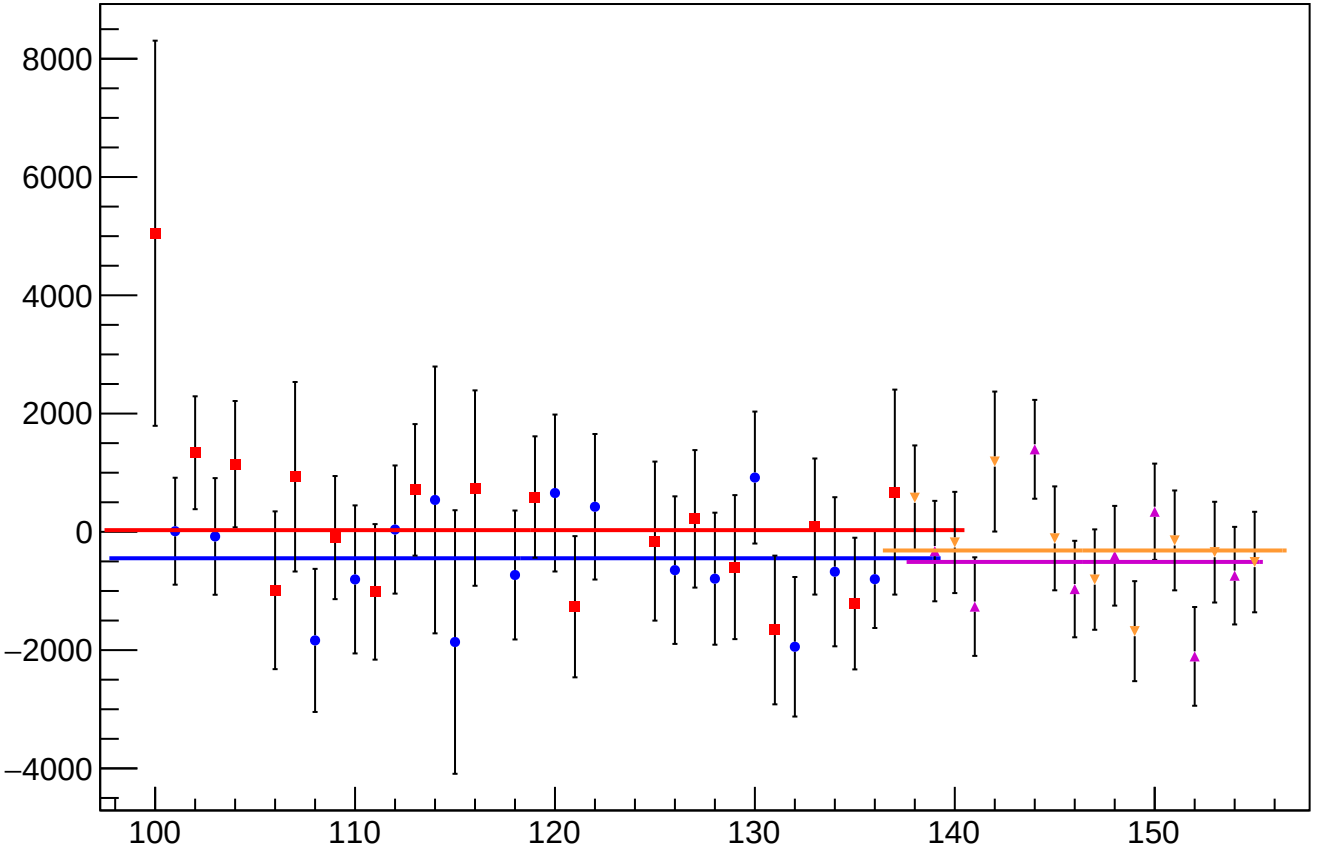
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 584.240+/-0.114 χ^2/NDF:2018132.4/26

All: 586.352+/-0.081 χ^2/NDF: 3737353.0/50

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -315.088+/-293.576 χ^2/NDF:5.7/8

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

Left In: -508.710+/-293.876 χ^2/NDF:11.2/7

Left: -411.800+/-207.696 χ^2/NDF: 17.2/16

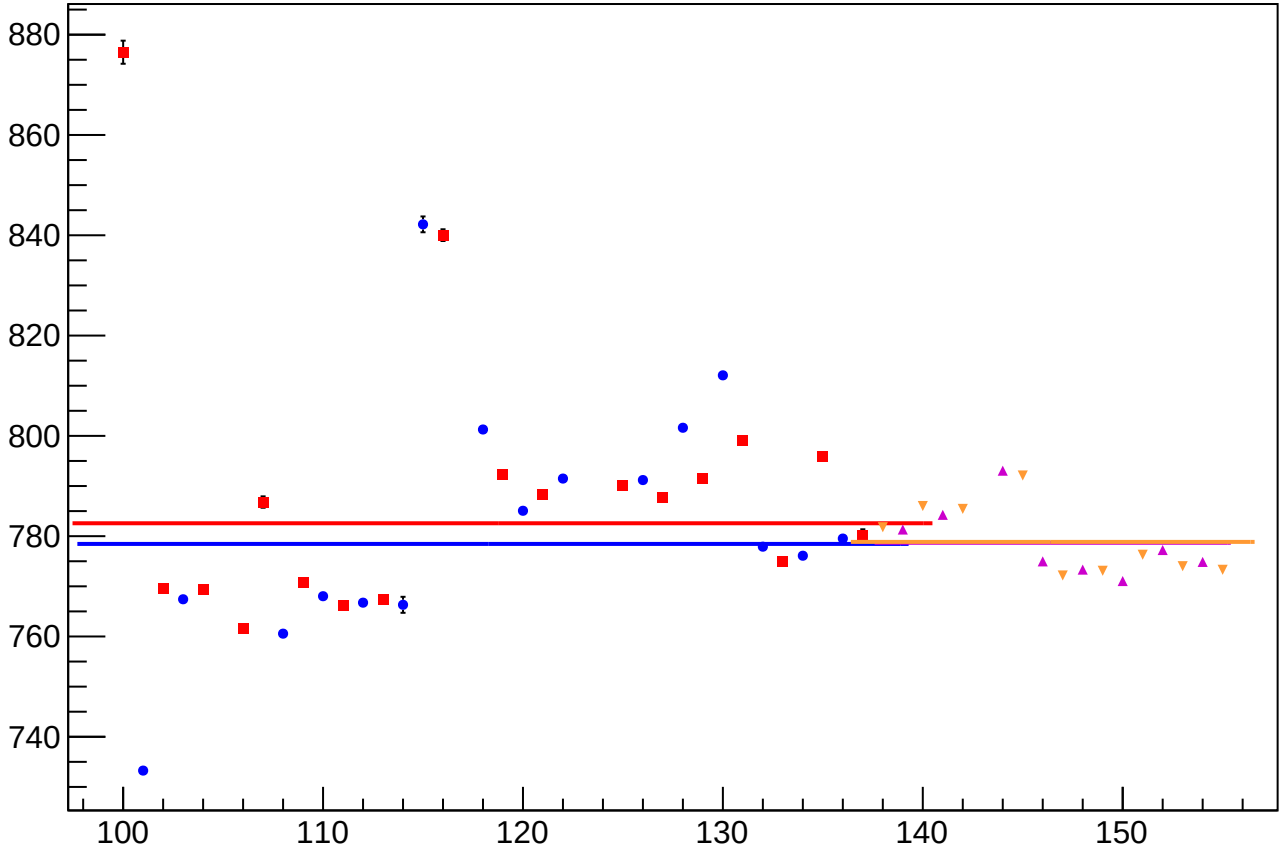
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

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

Out: -140.076+/-205.725 χ^2/NDF:19.1/26

All: -308.291+/-145.617 χ^2/NDF: 38.9/50

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 778.860+/-0.208 χ^2/NDF:1063.4/8

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

Left In: 778.684+/-0.208 χ^2/NDF:1046.7/7

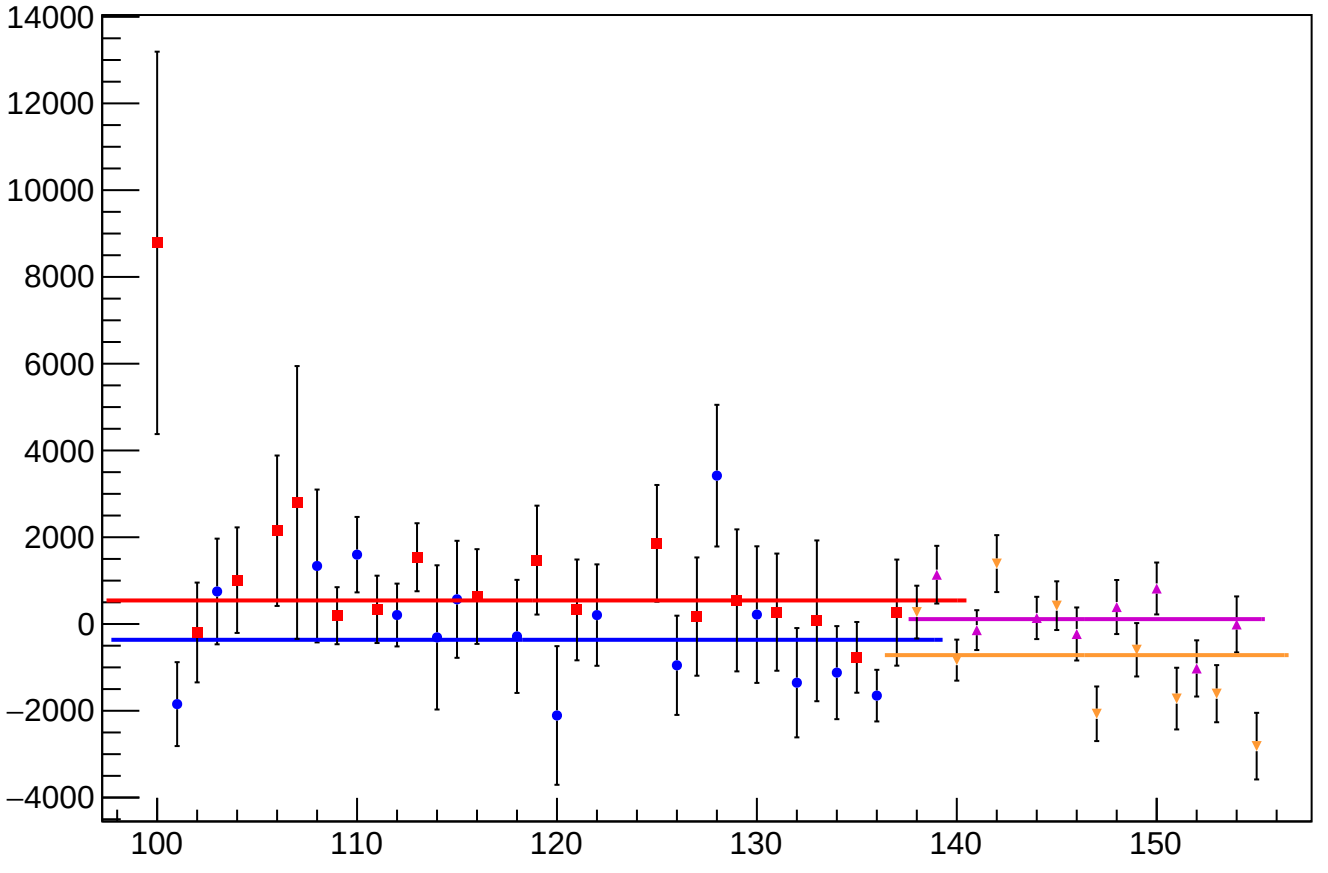
Left: 778.772+/-0.147 χ^2/NDF: 2110.5/16

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

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

Out: 780.751+/-0.145 χ^2/NDF:8707.8/26

All: 779.662+/-0.103 χ^2/NDF: 21662.7/50



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

Left Out: -717.366+/-204.901 χ^2/NDF:33.1/8

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

Left In: 112.600+/-203.917 χ^2/NDF:7.7/7

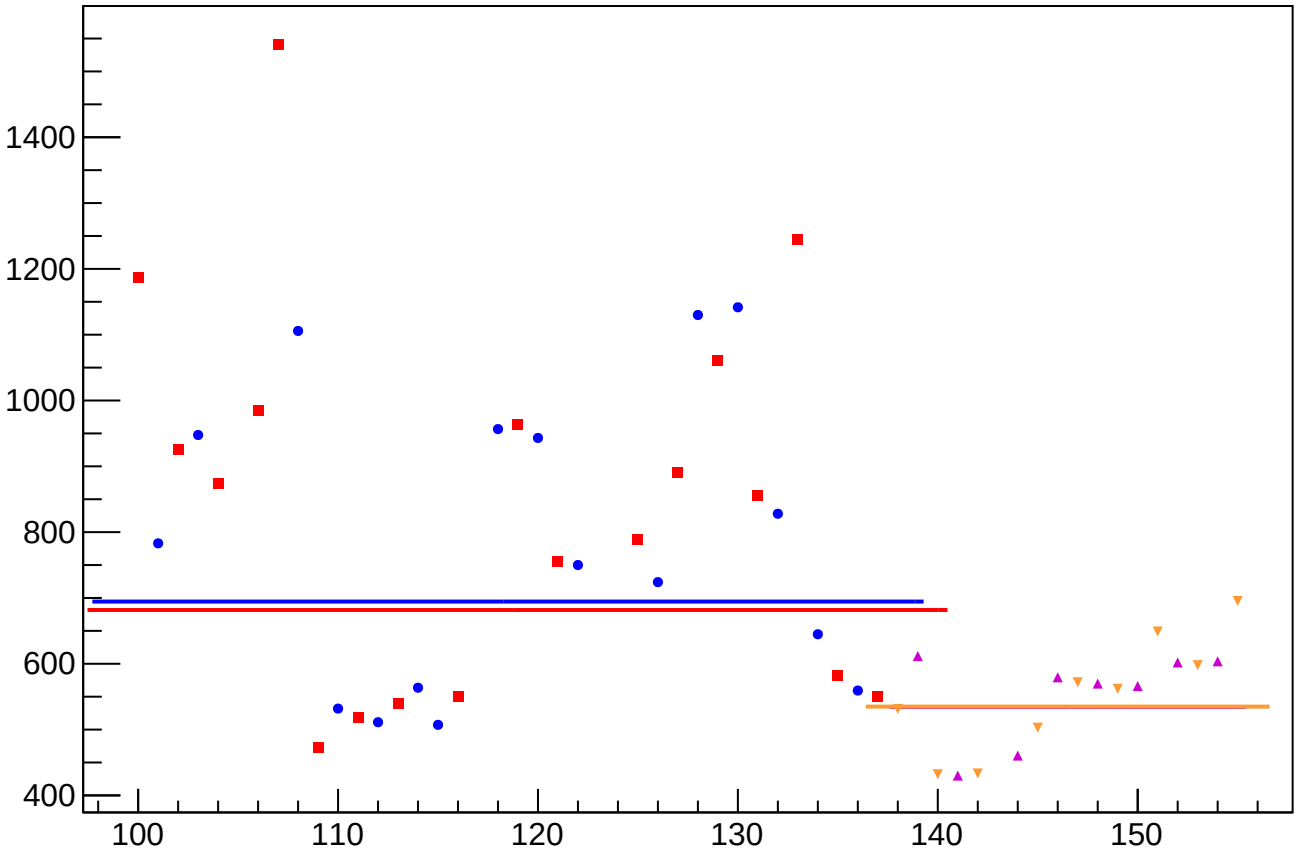
Left: -300.384+/-144.538 χ^2/NDF: 49.0/16

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

In: -61.061+/-162.572 χ^2/NDF:33.0/23

Out: -246.439+/-162.160 χ^2/NDF:59.0/26

All: -153.986+/-114.810 χ^2/NDF: 92.7/50



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

Left Out: 534.933+/-0.145 χ^2/NDF:316962.1/8

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

Left In: 534.317+/-0.144 χ^2/NDF:244061.8/7

Left: 534.623+/-0.102 χ^2/NDF: 561032.9/16

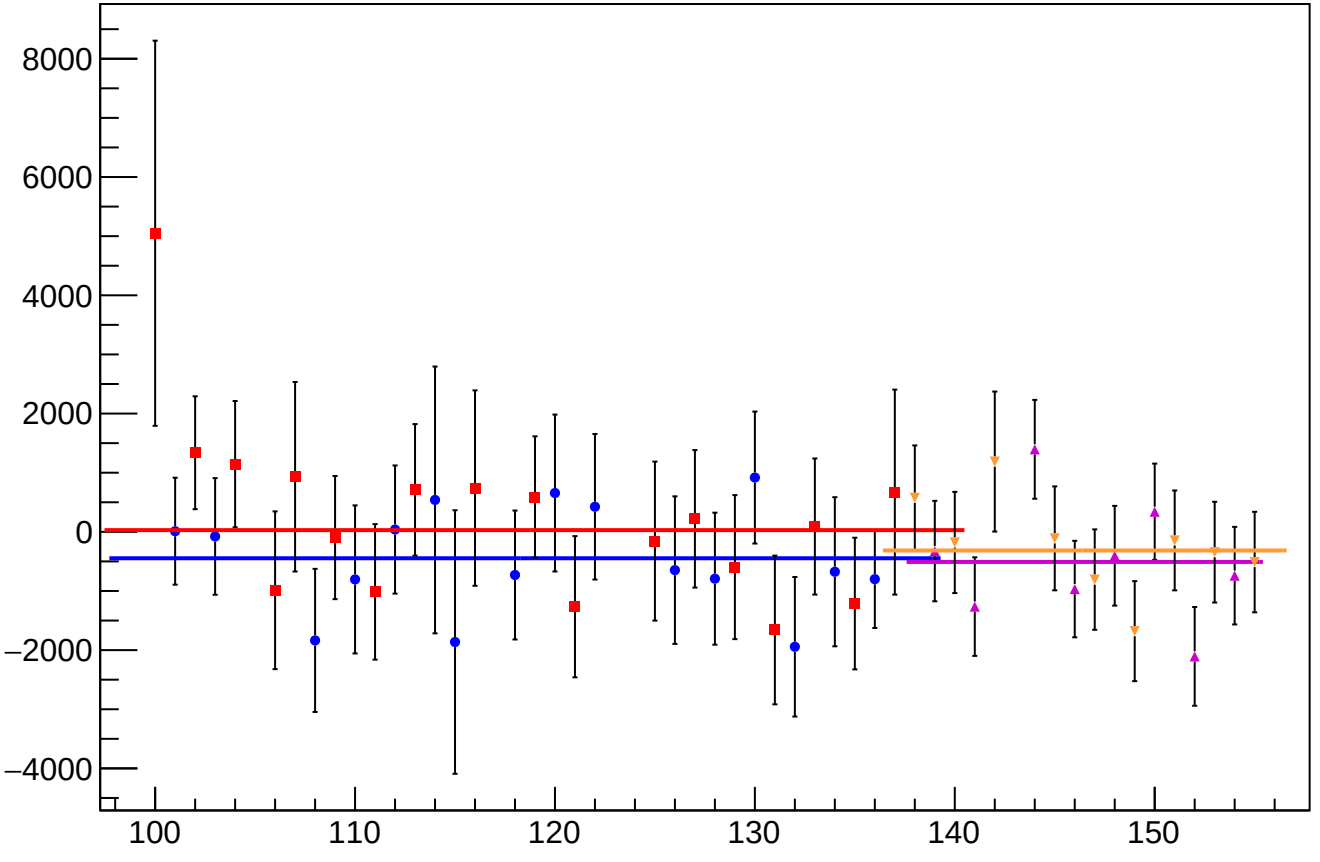
Right: 688.036+/-0.134 χ^2/NDF: 2343492.9/33

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

Out: 589.793+/-0.115 χ^2/NDF:2011954.2/26

All: 591.240+/-0.081 χ^2/NDF: 3736052.5/50

eigen_dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -315.091+/-293.576 χ^2/NDF:5.7/8

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

Left In: -508.709+/-293.876 χ^2/NDF:11.2/7

Left: -411.801+/-207.696 χ^2/NDF: 17.2/16

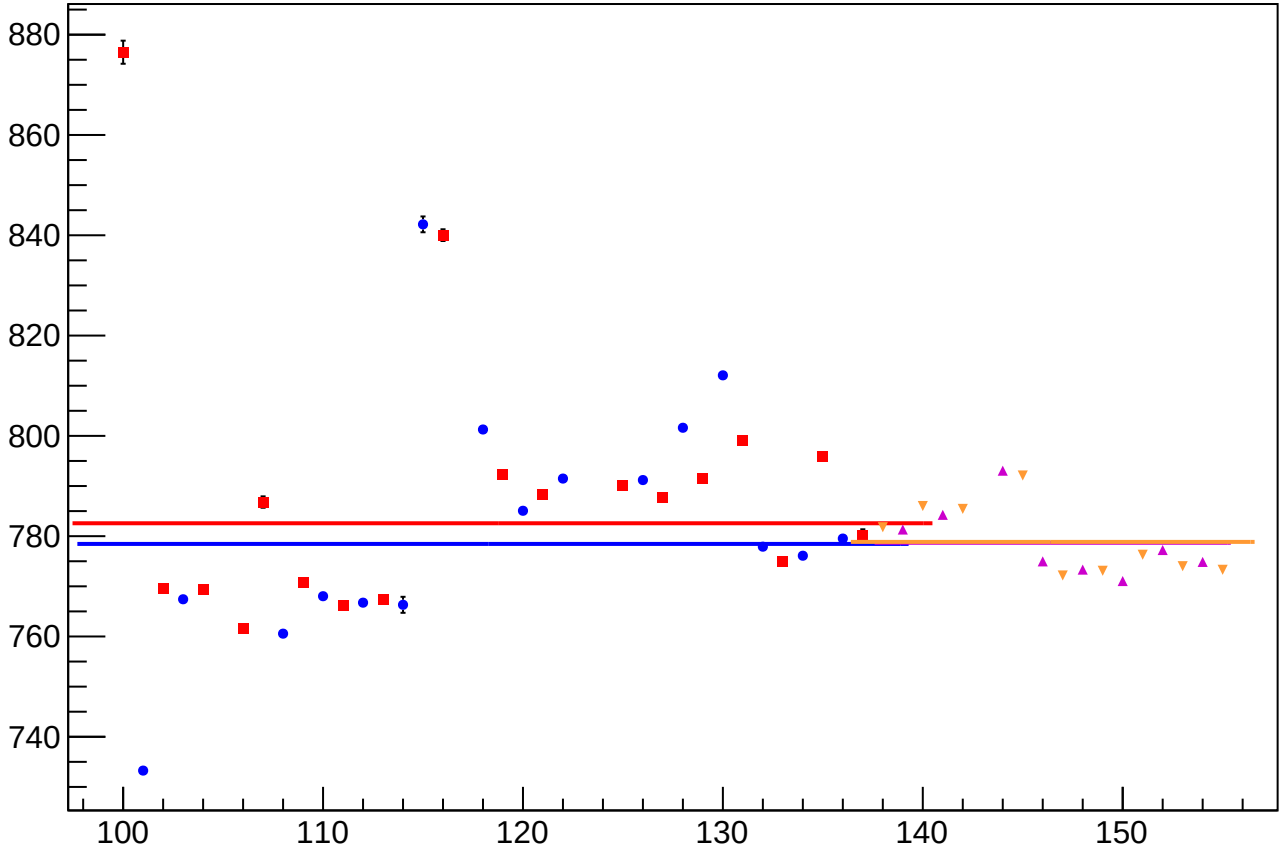
Right: -208.224+/-204.216 χ^2/NDF: 21.3/33

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

Out: -140.078+/-205.725 χ^2/NDF:19.1/26

All: -308.293+/-145.617 χ^2/NDF: 38.9/50

eigen_dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 778.860+/-0.208 χ^2/NDF:1063.4/8

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

Left In: 778.684+/-0.208 χ^2/NDF:1046.7/7

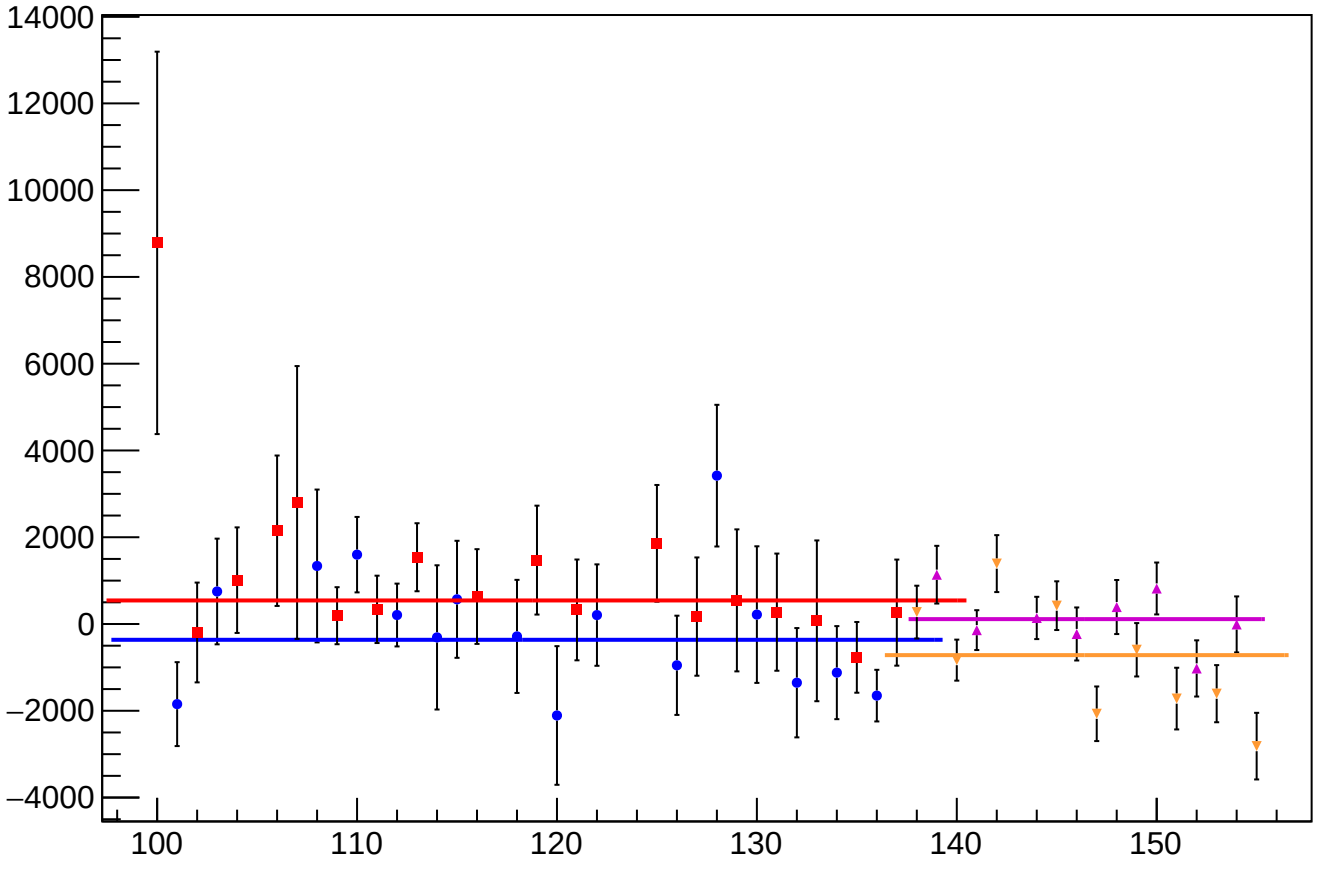
Left: 778.772+/-0.147 χ^2/NDF: 2110.5/16

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

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

Out: 780.751+/-0.145 χ^2/NDF:8707.8/26

All: 779.662+/-0.103 χ^2/NDF: 21662.6/50



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

Left Out: -717.366+/-204.901 χ^2/NDF:33.1/8

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

Left In: 112.599+/-203.917 χ^2/NDF:7.7/7

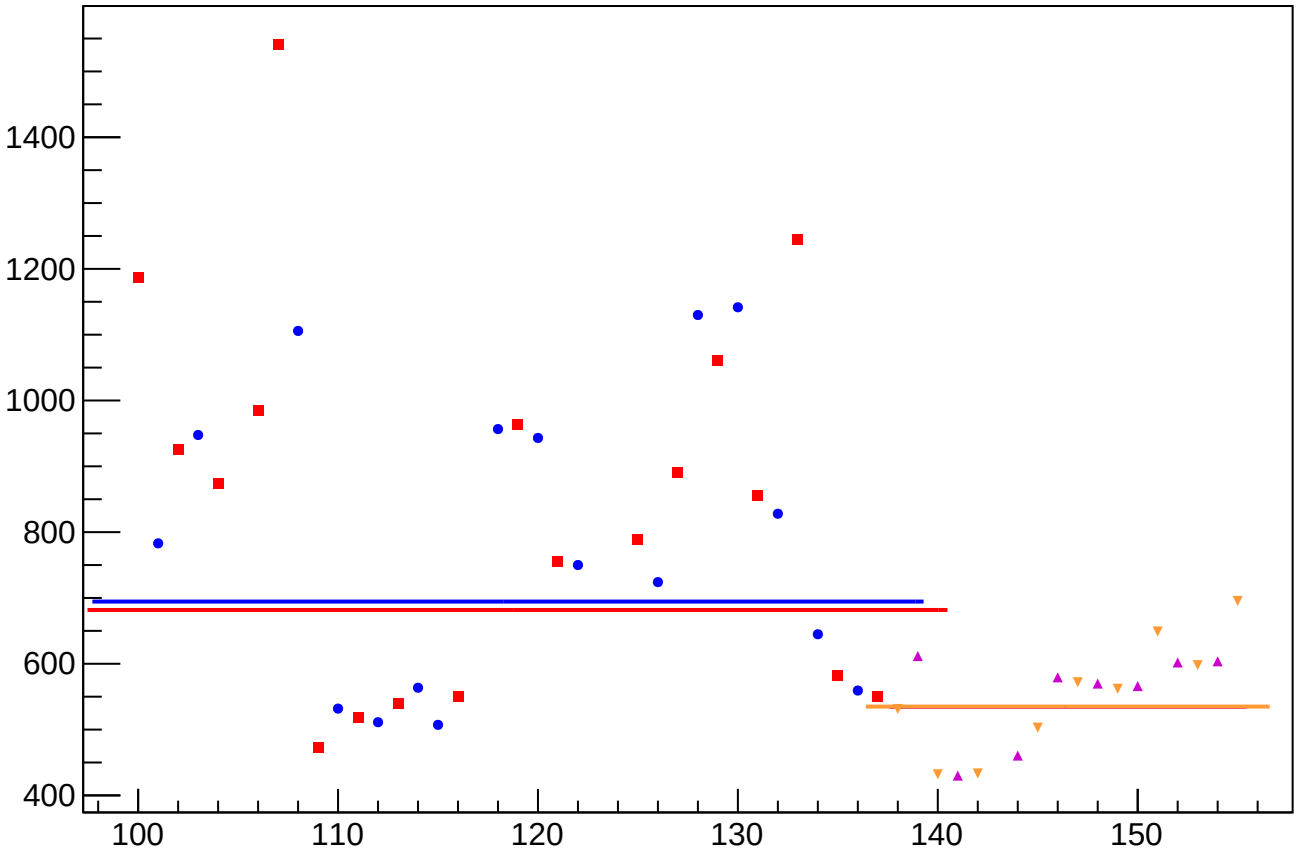
Left: -300.384+/-144.538 χ^2/NDF: 49.0/16

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

In: -61.062+/-162.572 χ^2/NDF:33.0/23

Out: -246.436+/-162.160 χ^2/NDF:59.0/26

All: -153.984+/-114.810 χ^2/NDF: 92.7/50



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

Left Out: 534.933+/-0.145 χ^2/NDF:316973.8/8

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

Left In: 534.317+/-0.144 χ^2/NDF:244072.7/7

Left: 534.623+/-0.102 χ^2/NDF: 561055.5/16

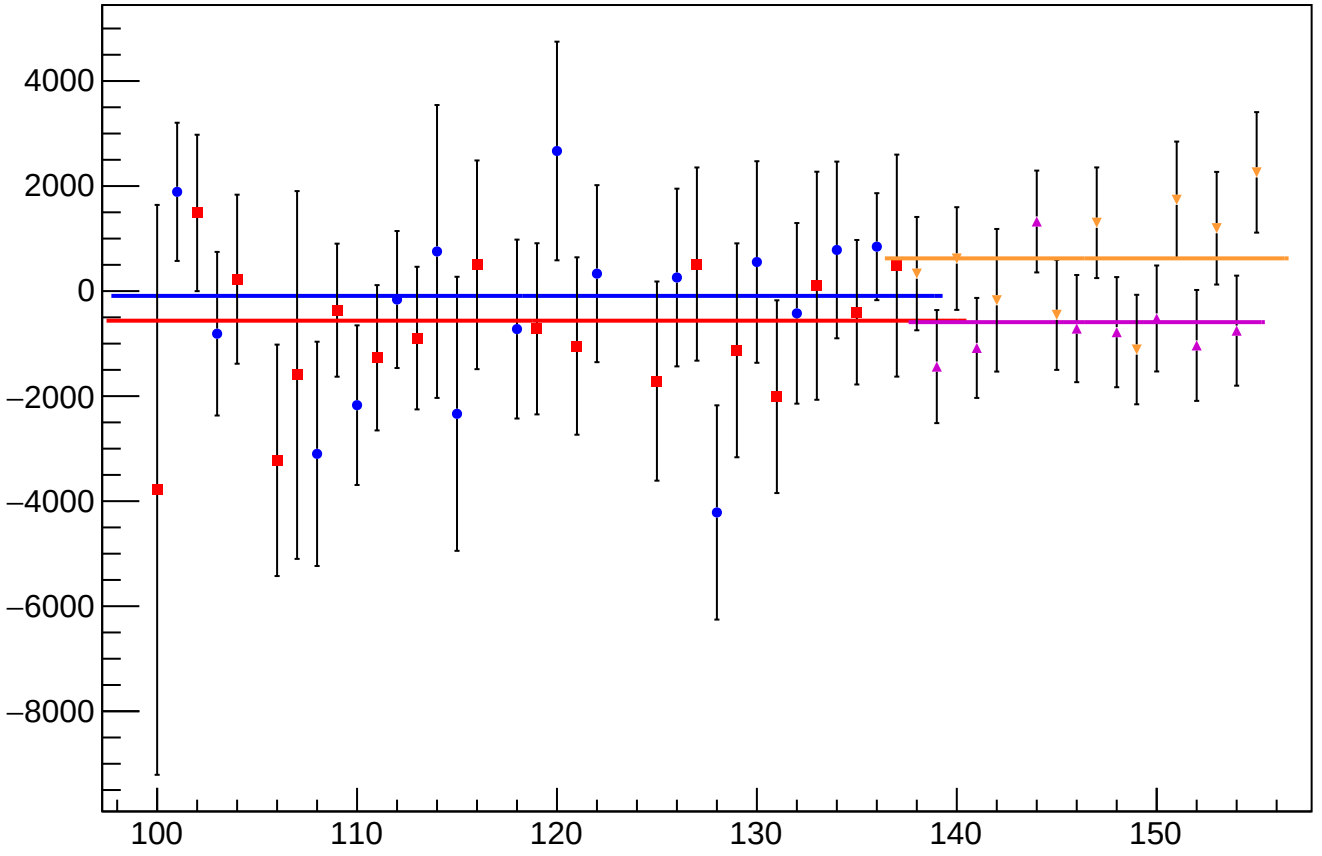
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

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

Out: 589.792+/-0.115 χ^2/NDF:2011970.6/26

All: 591.239+/-0.081 χ^2/NDF: 3736073.8/50

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 623.148+/-362.233 χ^2/NDF:8.0/8

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

Left In: -591.363+/-360.593 χ^2/NDF:5.0/7

Left: 13.137+/-255.556 χ^2/NDF: 18.7/16

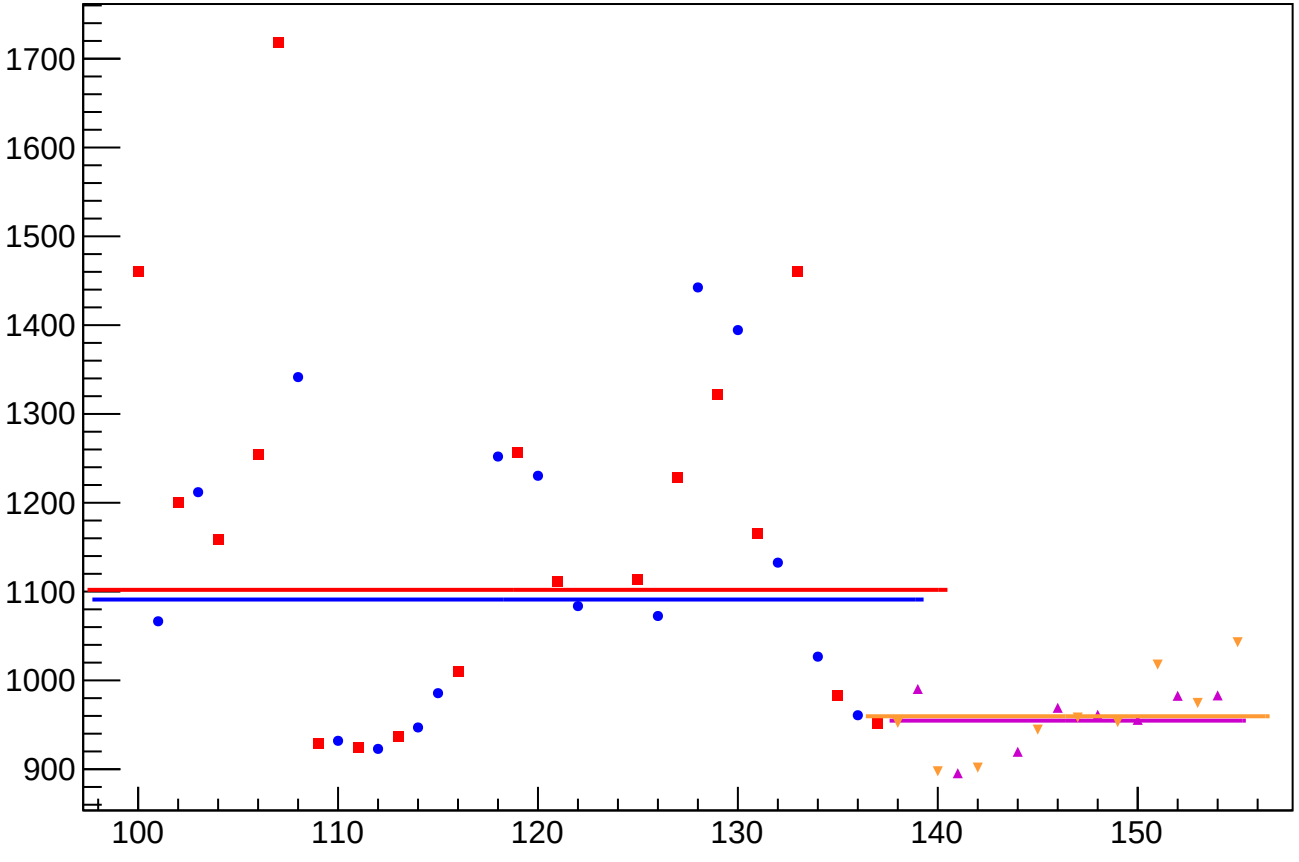
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

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

Out: 105.261+/-271.915 χ^2/NDF:19.2/26

All: -135.009+/-191.862 χ^2/NDF: 41.2/50

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 959.611+/-0.256 χ^2/NDF:28710.8/8

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

Left In: 954.696+/-0.255 χ^2/NDF:15902.3/7

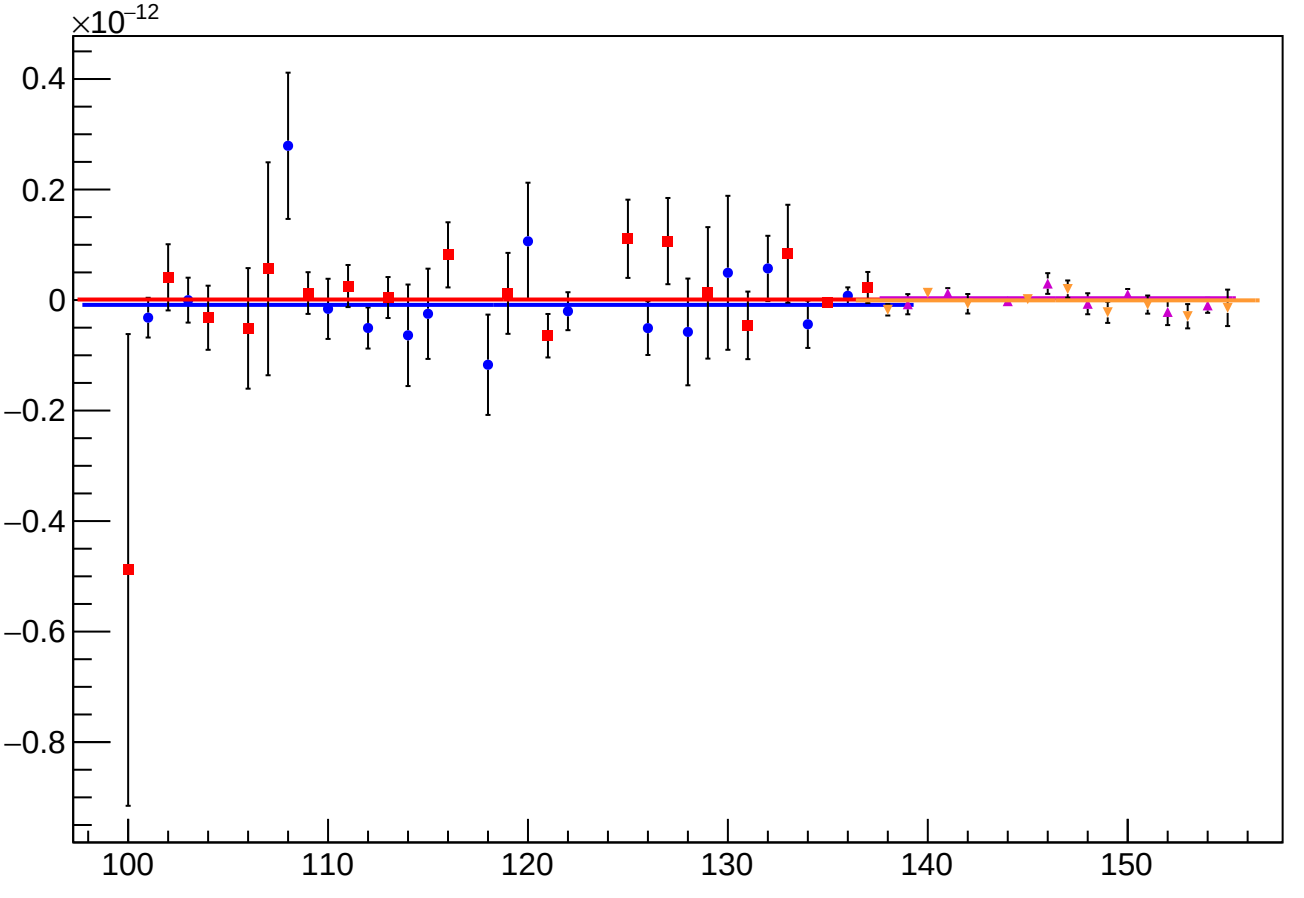
Left: 957.142+/-0.181 χ^2/NDF: 44798.0/16

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

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

Out: 1021.744+/-0.192 χ^2/NDF:491625.3/26

All: 1017.940+/-0.136 χ^2/NDF: 910338.1/50



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/8

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

Left In: 0.000+/-0.000 χ^2/NDF:6.5/7

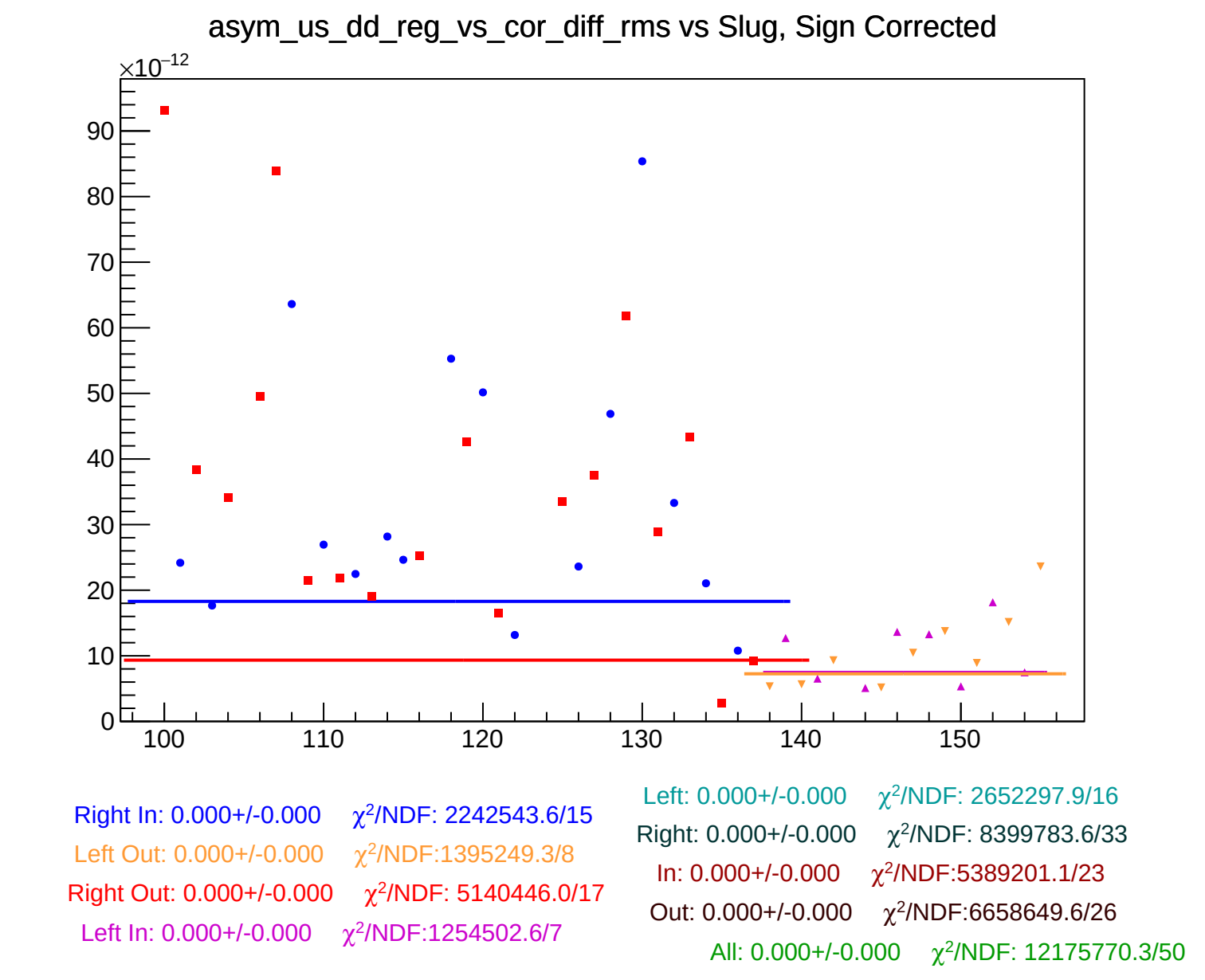
Left: 0.000+/-0.000 χ^2/NDF: 18.0/16

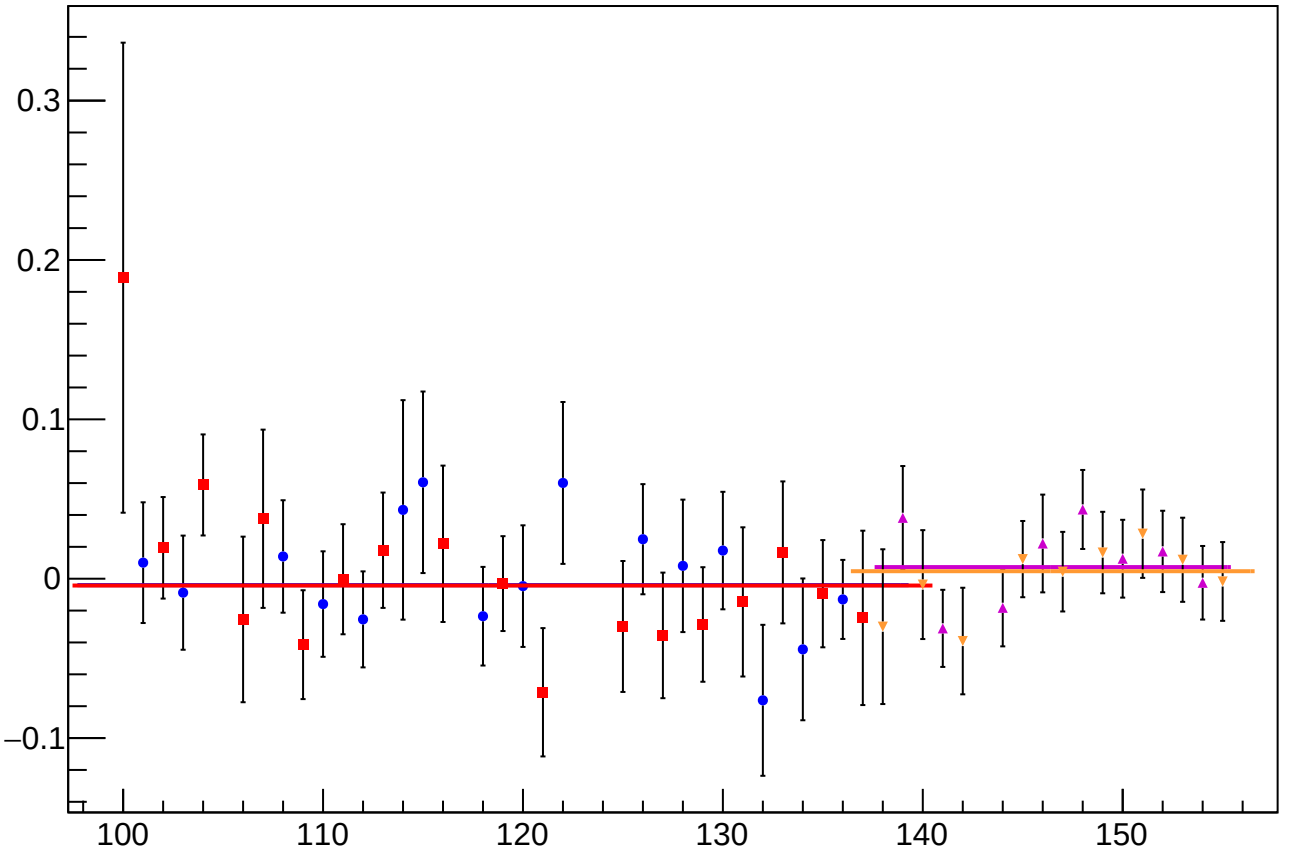
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:21.5/23

Out: -0.000+/-0.000 χ^2/NDF:25.5/26

All: 0.000+/-0.000 χ^2/NDF: 47.0/50


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:1395249.3/8
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1254502.6/7
Left: 0.000+/-0.000 χ²/NDF: 2652297.9/16
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:5389201.1/23
Out: 0.000+/-0.000 χ²/NDF:6658649.6/26
All: 0.000+/-0.000 χ²/NDF: 12175770.3/50



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

Left Out: 0.005+/-0.009 χ^2/NDF:3.5/8

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

Left In: 0.007+/-0.009 χ^2/NDF:7.3/7

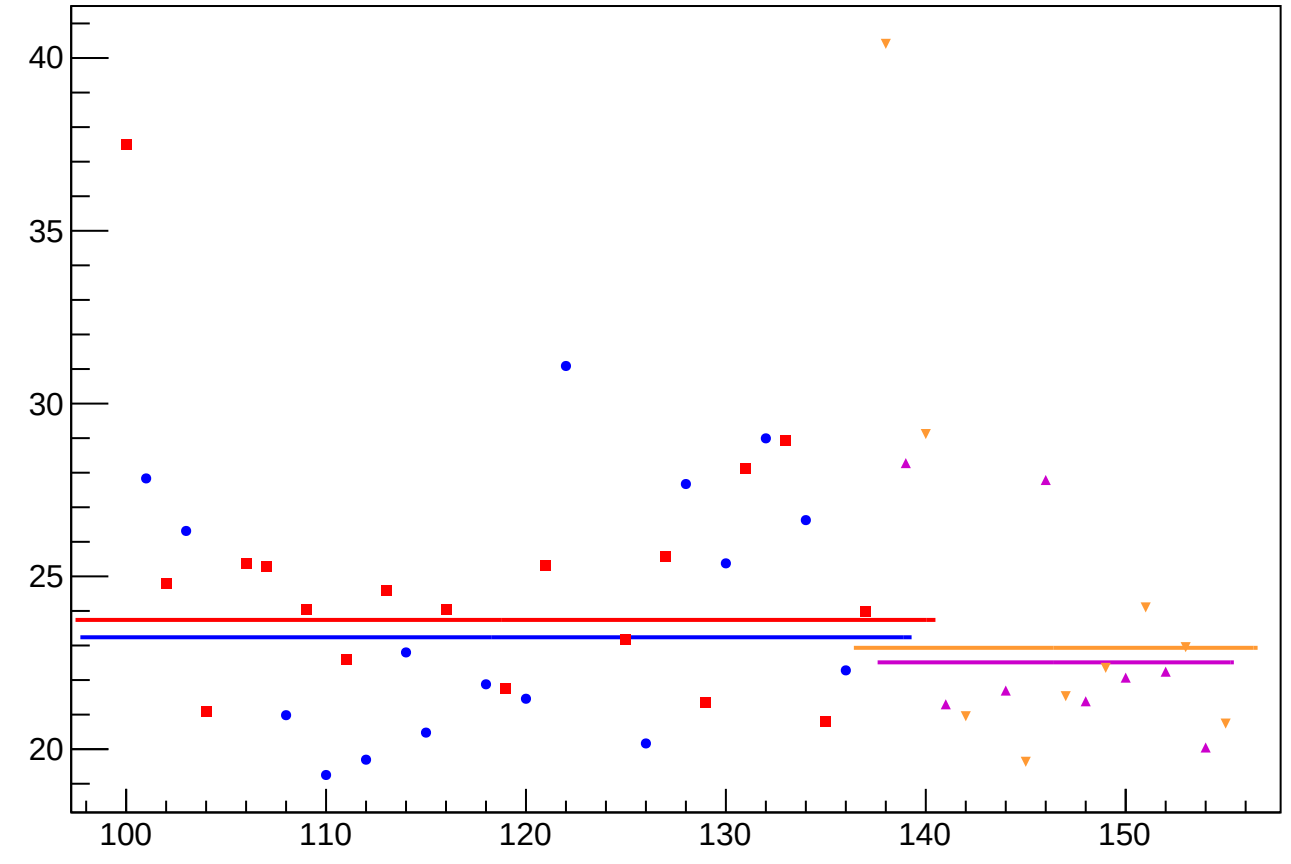
Left: 0.006+/-0.007 χ^2/NDF: 10.8/16

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

In: 0.002+/-0.006 χ^2/NDF:17.3/23

Out: 0.000+/-0.007 χ^2/NDF:17.4/26

All: 0.001+/-0.005 χ^2/NDF: 34.7/50



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

Left Out: 22.933+/-0.007 χ^2/NDF:396236.9/8

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

Left In: 22.512+/-0.006 χ^2/NDF:157306.0/7

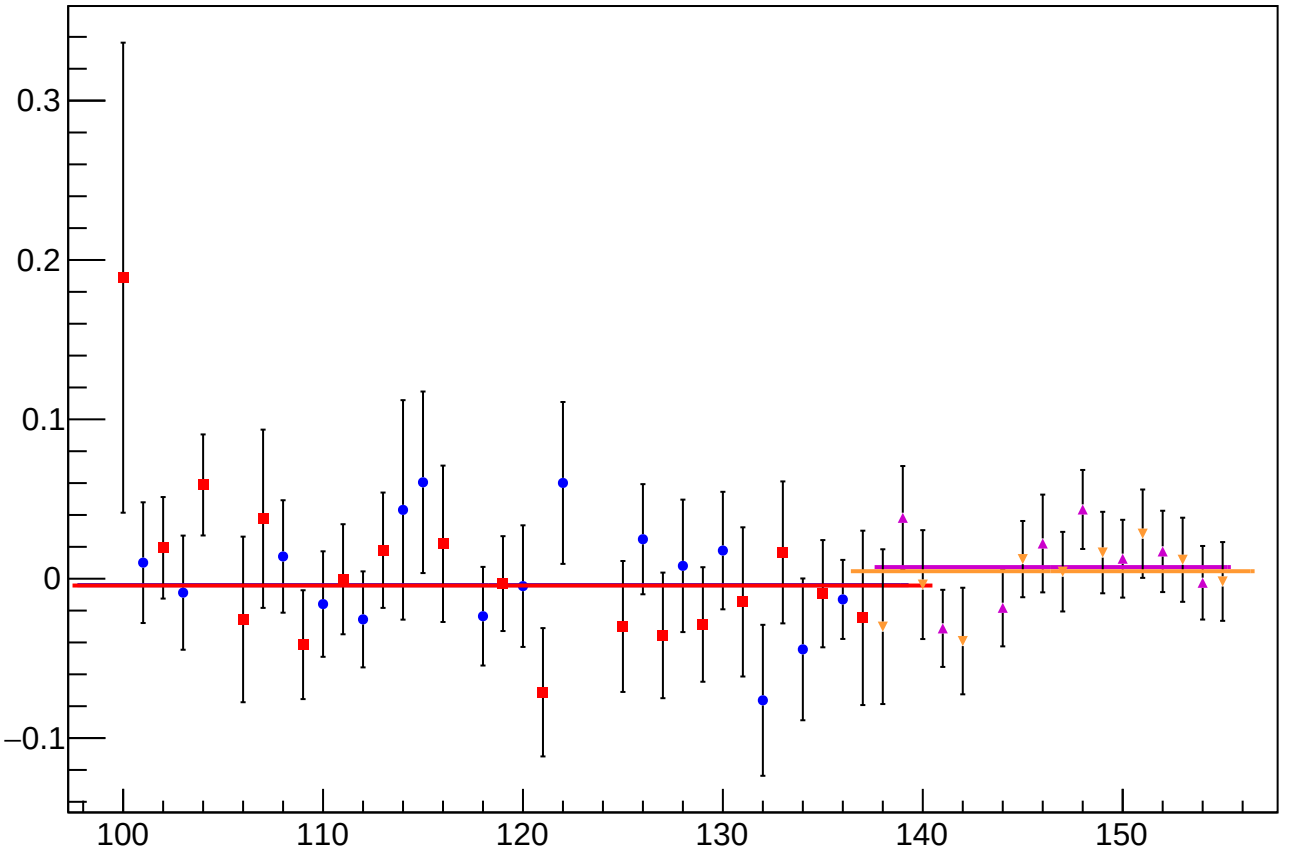
Left: 22.716+/-0.005 χ^2/NDF: 555625.9/16

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

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

Out: 23.338+/-0.005 χ^2/NDF:529904.1/26

All: 23.099+/-0.003 χ^2/NDF: 957886.8/50



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

Left Out: 0.005+/-0.009 χ^2/NDF:3.5/8

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

Left In: 0.007+/-0.009 χ^2/NDF:7.3/7

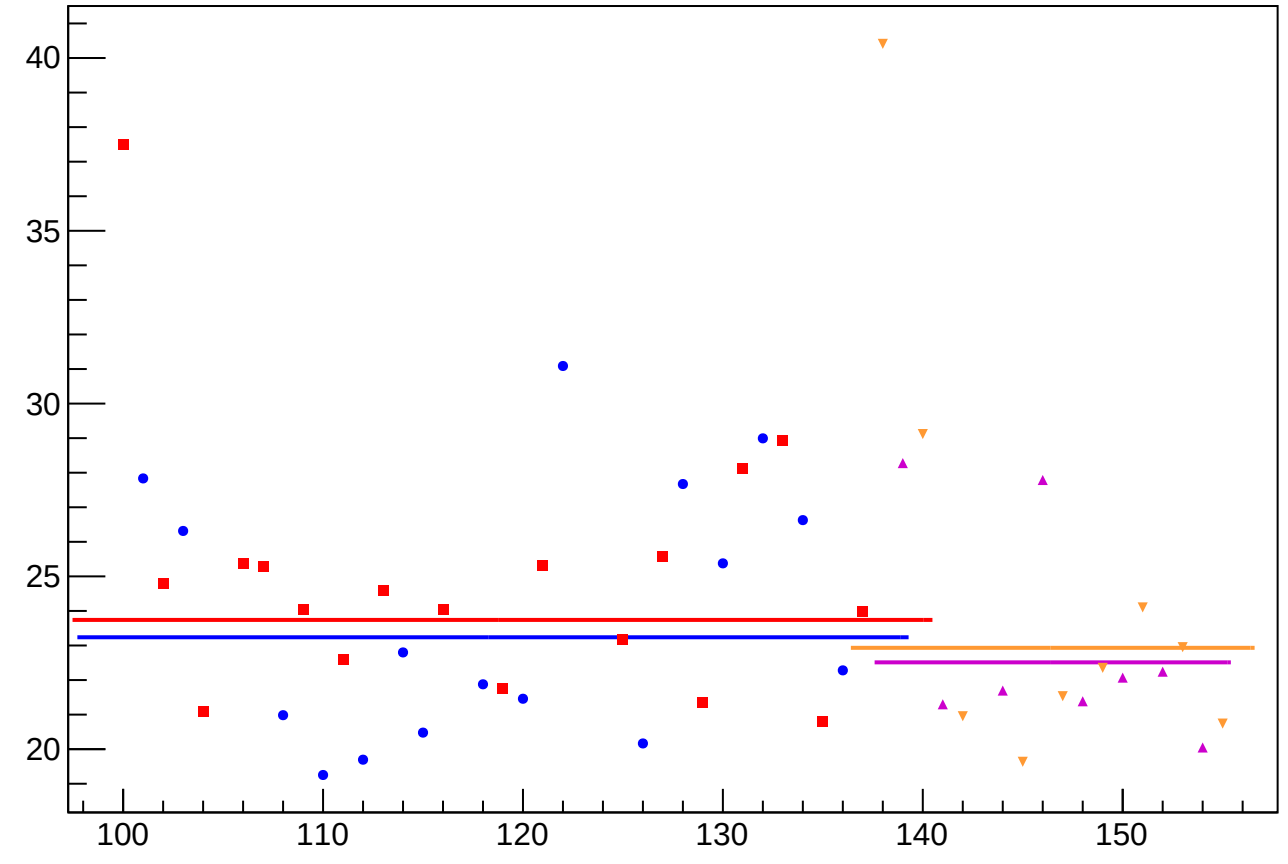
Left: 0.006+/-0.007 χ^2/NDF: 10.8/16

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

In: 0.002+/-0.006 χ^2/NDF:17.3/23

Out: 0.000+/-0.007 χ^2/NDF:17.4/26

All: 0.001+/-0.005 χ^2/NDF: 34.7/50



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

Left Out: 22.933+/-0.007 χ^2/NDF:396236.9/8

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

Left In: 22.512+/-0.006 χ^2/NDF:157306.0/7

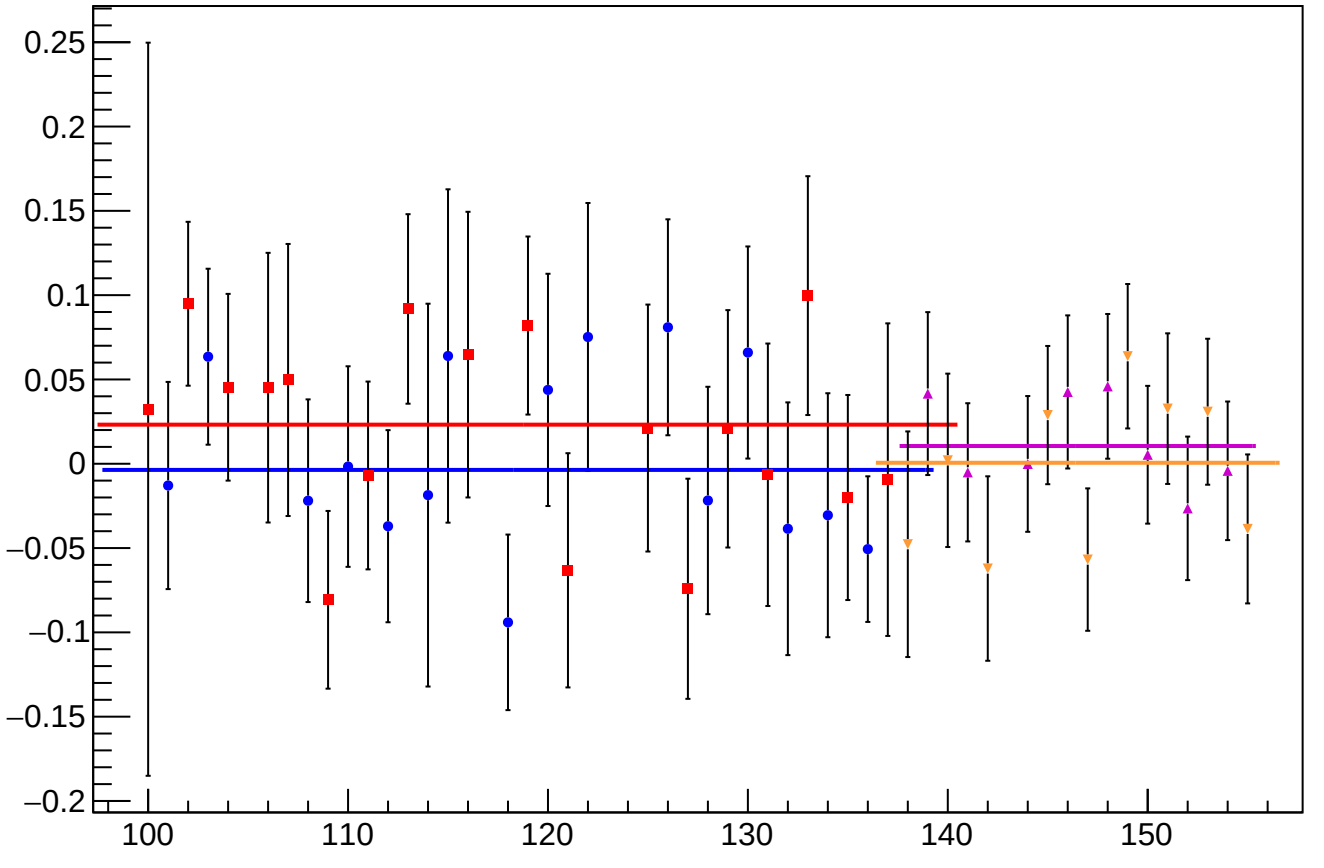
Left: 22.716+/-0.005 χ^2/NDF: 555625.9/16

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

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

Out: 23.338+/-0.005 χ^2/NDF:529904.1/26

All: 23.099+/-0.003 χ^2/NDF: 957886.8/50



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

Left Out: 0.001+/-0.015 χ^2/NDF:8.1/8

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

Left In: 0.011+/-0.015 χ^2/NDF:2.7/7

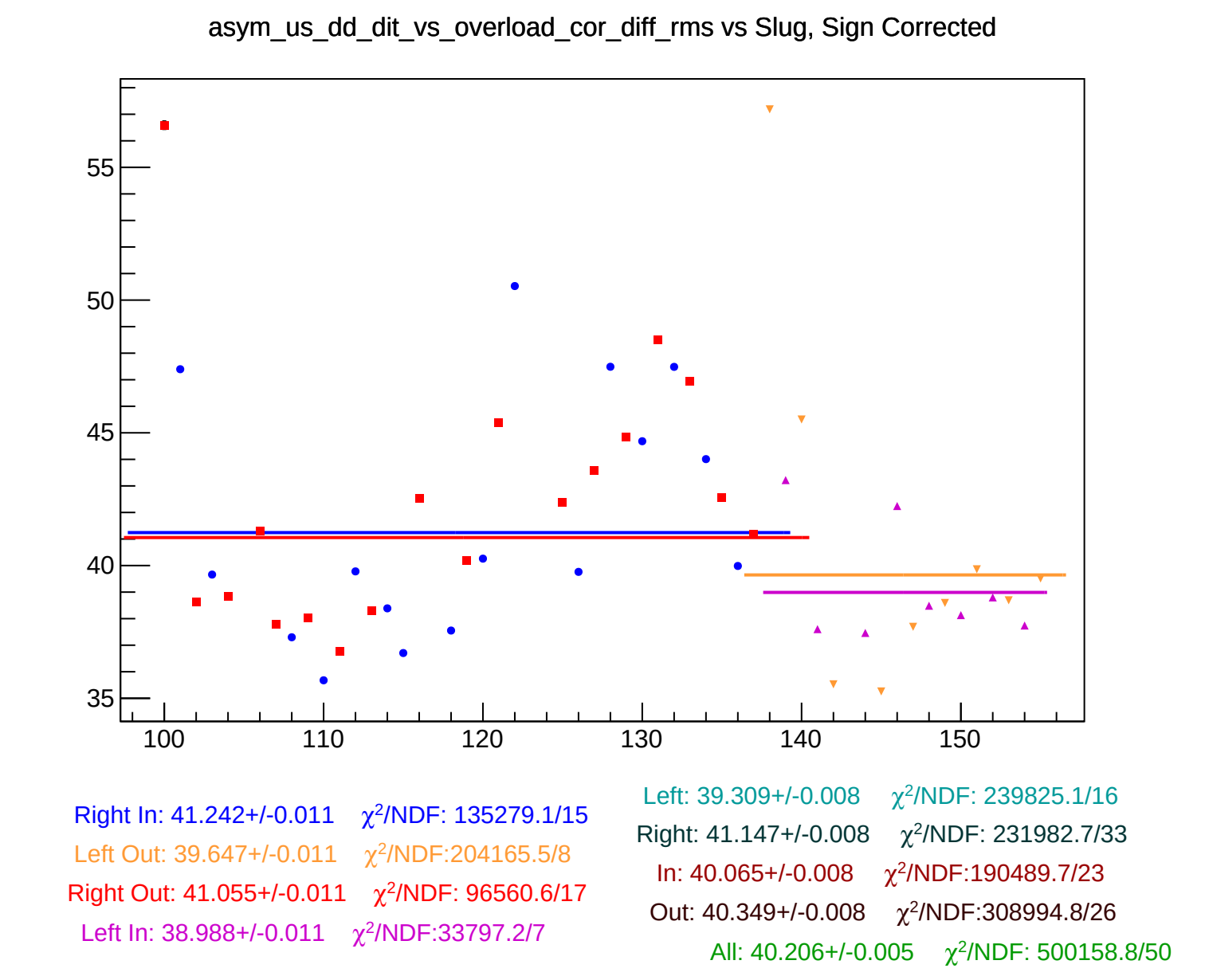
Left: 0.006+/-0.011 χ^2/NDF: 11.1/16

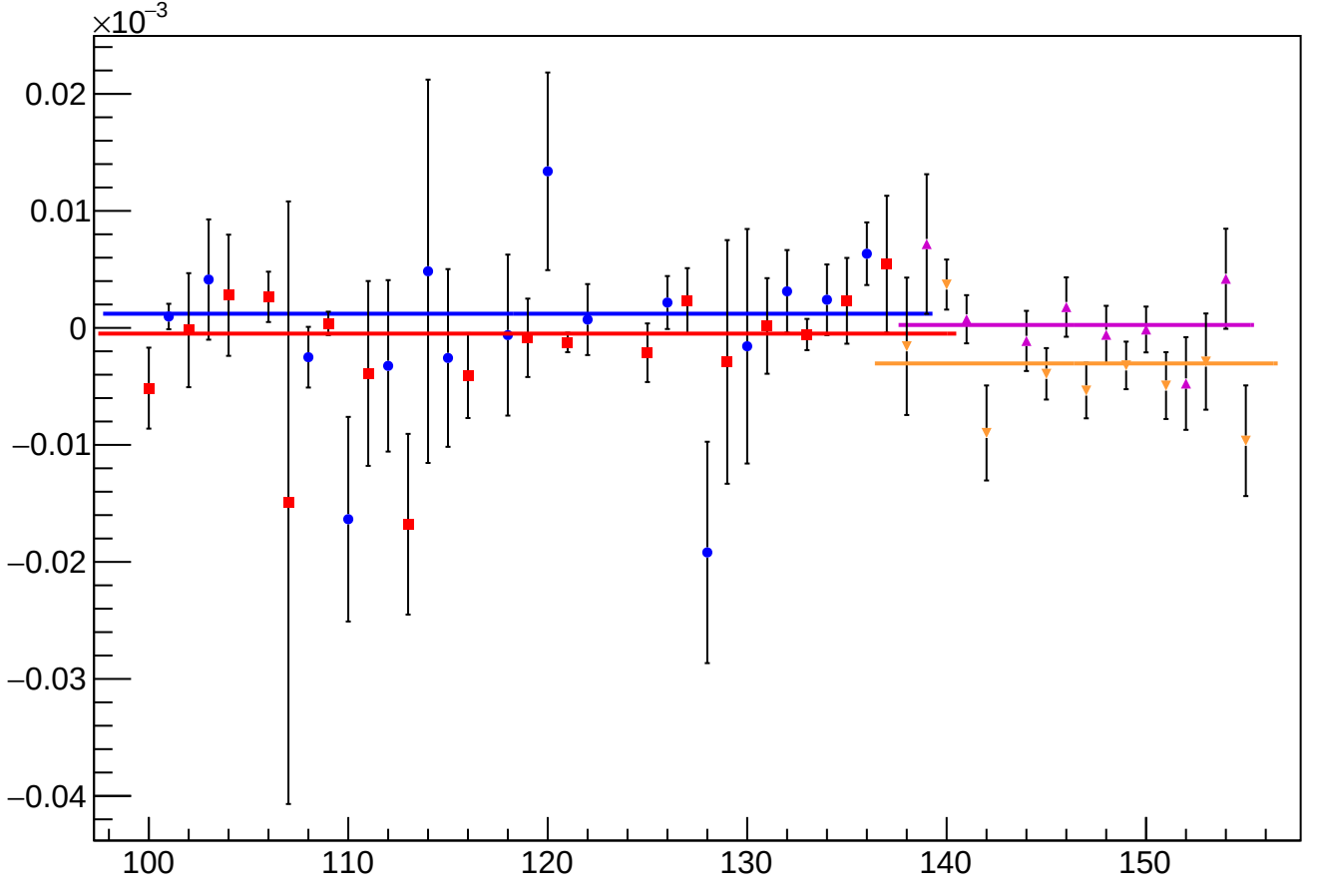
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.004+/-0.011 χ^2/NDF:14.8/23

Out: 0.012+/-0.011 χ^2/NDF:24.6/26

All: 0.008+/-0.008 χ^2/NDF: 39.6/50


asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected
55
50
45
40
35
100
110
120
130
140
150
Right In: 41.242+/-0.011 χ²/NDF: 135279.1/15
Left Out: 39.647+/-0.011 χ²/NDF:204165.5/8
Right Out: 41.055+/-0.011 χ²/NDF: 96560.6/17
Left In: 38.988+/-0.011 χ²/NDF:33797.2/7
Left: 39.309+/-0.008 χ²/NDF: 239825.1/16
Right: 41.147+/-0.008 χ²/NDF: 231982.7/33
In: 40.065+/-0.008 χ²/NDF:190489.7/23
Out: 40.349+/-0.008 χ²/NDF:308994.8/26
All: 40.206+/-0.005 χ²/NDF: 500158.8/50



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/8

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

Left In: 0.000+/-0.000 χ^2/NDF:4.6/7

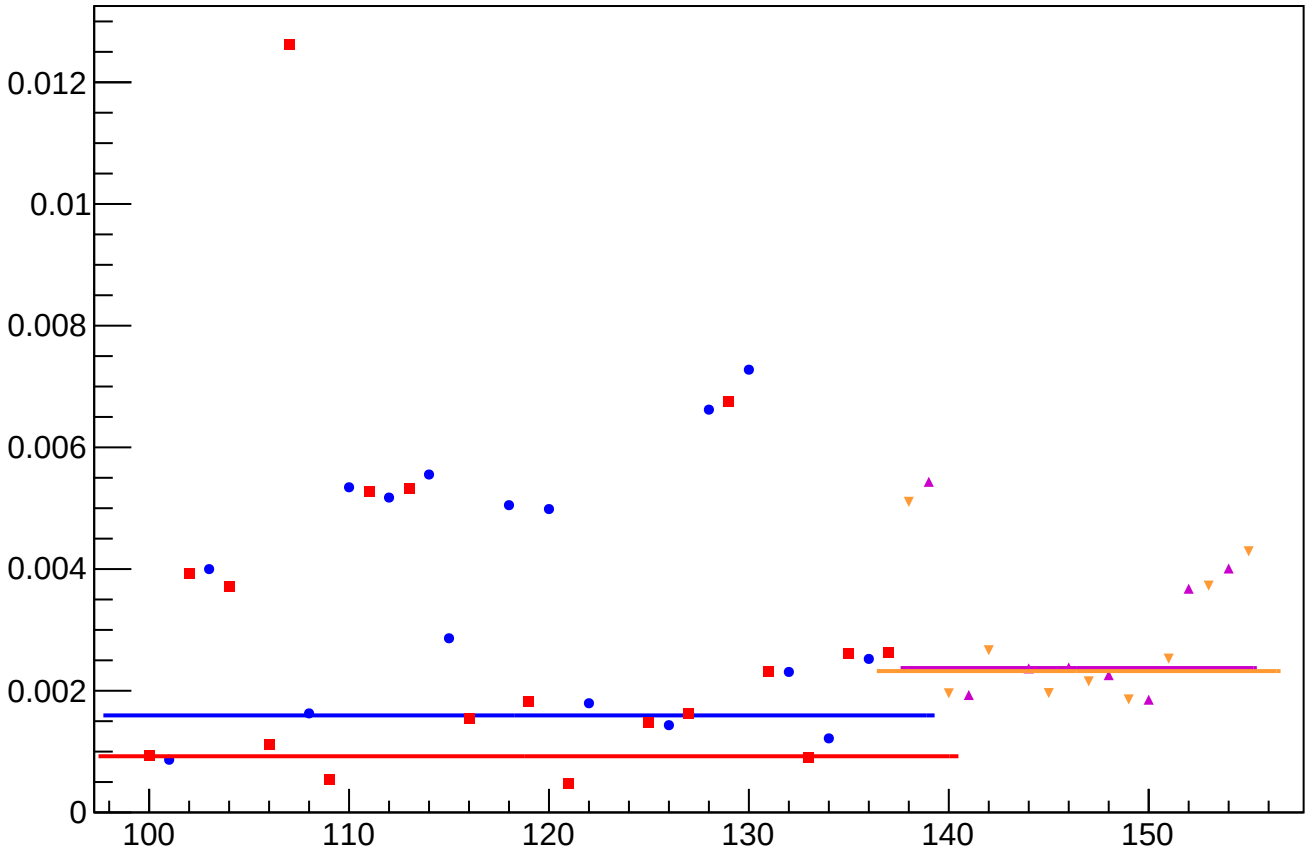
Left: -0.000+/-0.000 χ^2/NDF: 26.4/16

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:23.6/23

Out: -0.000+/-0.000 χ^2/NDF:36.5/26

All: -0.000+/-0.000 χ^2/NDF: 66.8/50



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

Left Out: 0.002+/-0.000 χ^2/NDF:1281459.2/8

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

Left In: 0.002+/-0.000 χ^2/NDF:1273820.5/7

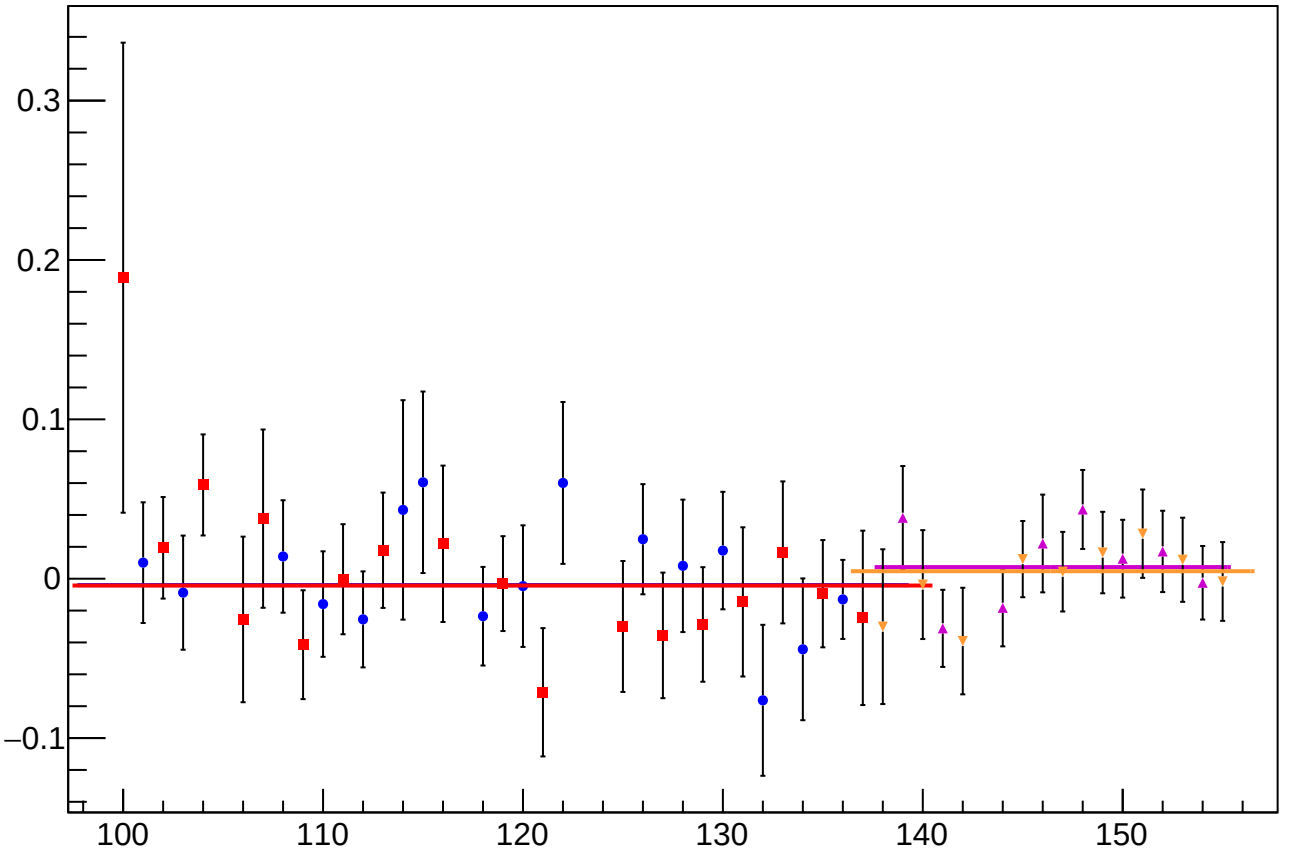
Left: 0.002+/-0.000 χ^2/NDF: 2558127.1/16

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

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

Out: 0.001+/-0.000 χ^2/NDF:10597928.1/26

All: 0.001+/-0.000 χ^2/NDF: 19077966.7/50



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

Left Out: 0.005+/-0.009 χ^2/NDF:3.5/8

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

Left In: 0.007+/-0.009 χ^2/NDF:7.3/7

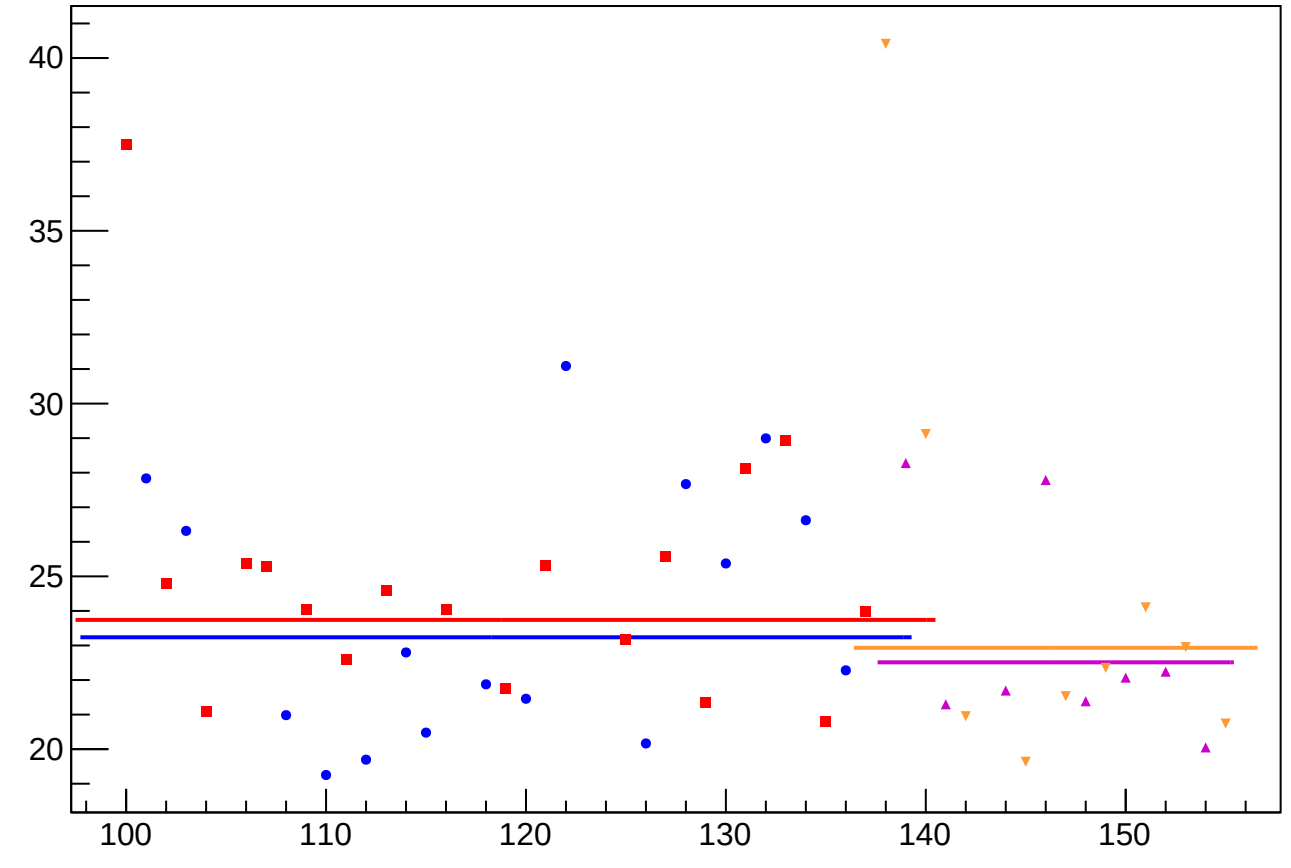
Left: 0.006+/-0.007 χ^2/NDF: 10.8/16

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

In: 0.002+/-0.006 χ^2/NDF:17.3/23

Out: 0.000+/-0.007 χ^2/NDF:17.4/26

All: 0.001+/-0.005 χ^2/NDF: 34.7/50



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

Left Out: 22.933+/-0.007 χ^2/NDF:396232.7/8

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

Left In: 22.513+/-0.006 χ^2/NDF:157284.8/7

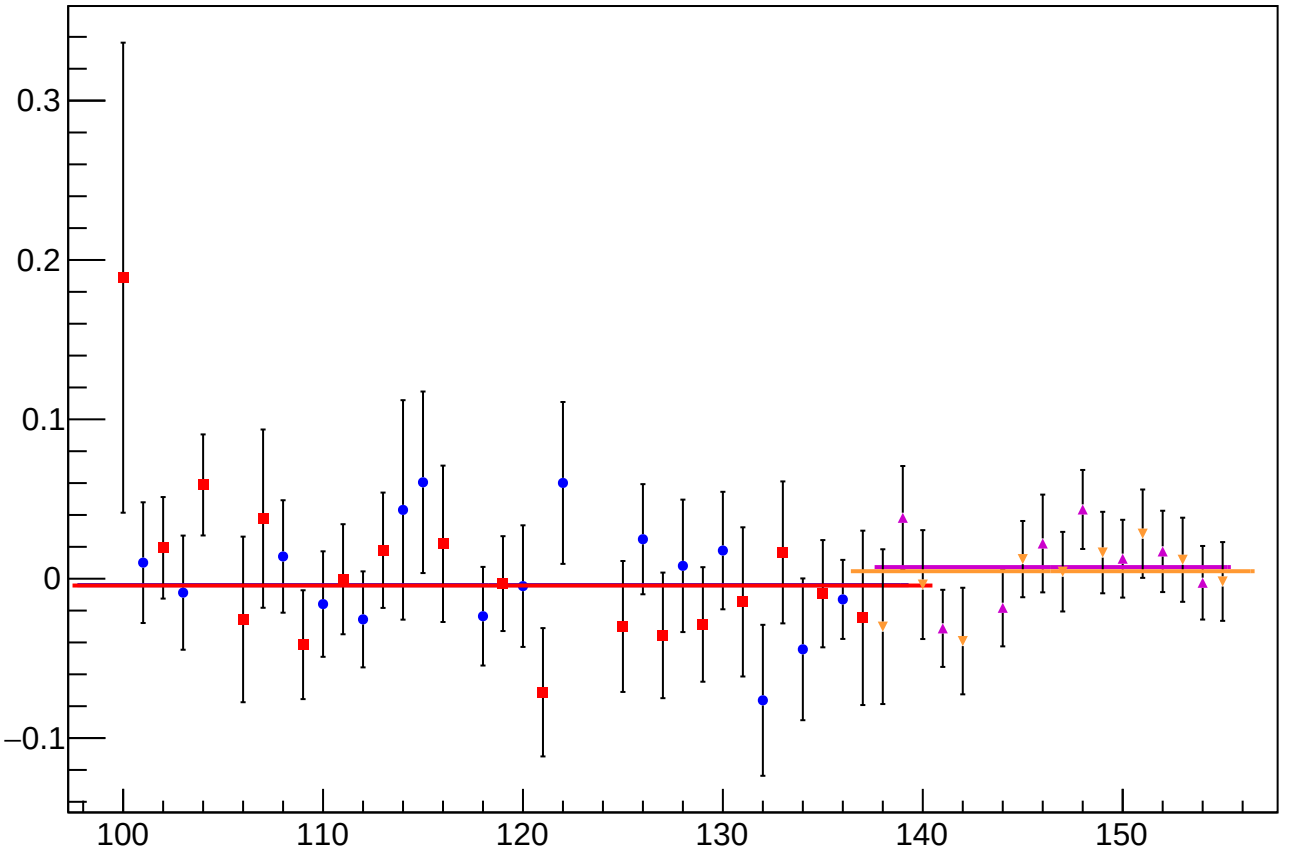
Left: 22.716+/-0.005 χ^2/NDF: 555598.6/16

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

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

Out: 23.338+/-0.005 χ^2/NDF:529850.9/26

All: 23.099+/-0.003 χ^2/NDF: 957791.3/50



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

Left Out: 0.005+/-0.009 χ^2/NDF:3.5/8

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

Left In: 0.007+/-0.009 χ^2/NDF:7.3/7

Left: 0.006+/-0.007 χ^2/NDF: 10.8/16

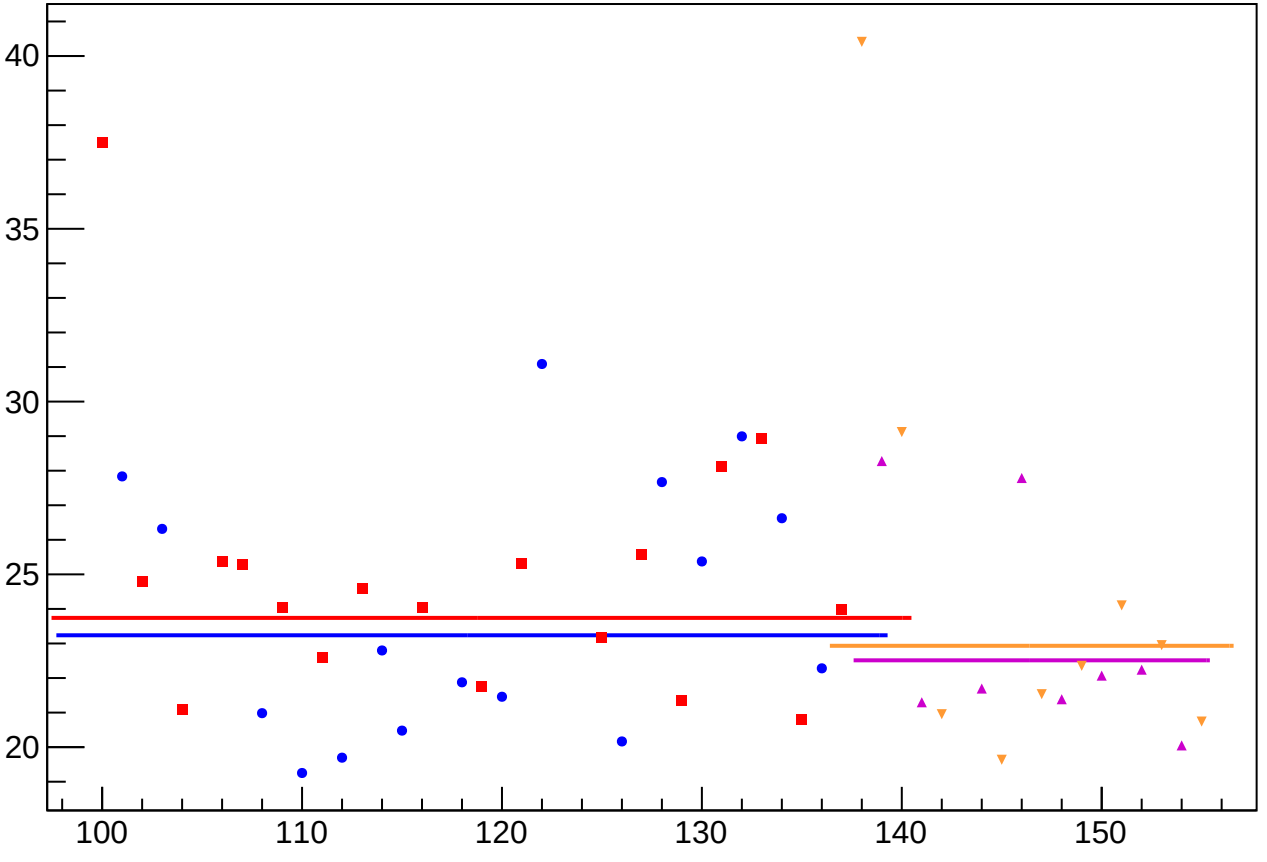
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: 0.002+/-0.006 χ^2/NDF:17.3/23

Out: 0.000+/-0.007 χ^2/NDF:17.4/26

All: 0.001+/-0.005 χ^2/NDF: 34.7/50

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: 22.933+/-0.007 χ^2/NDF:396232.7/8

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

Left In: 22.513+/-0.006 χ^2/NDF:157284.8/7

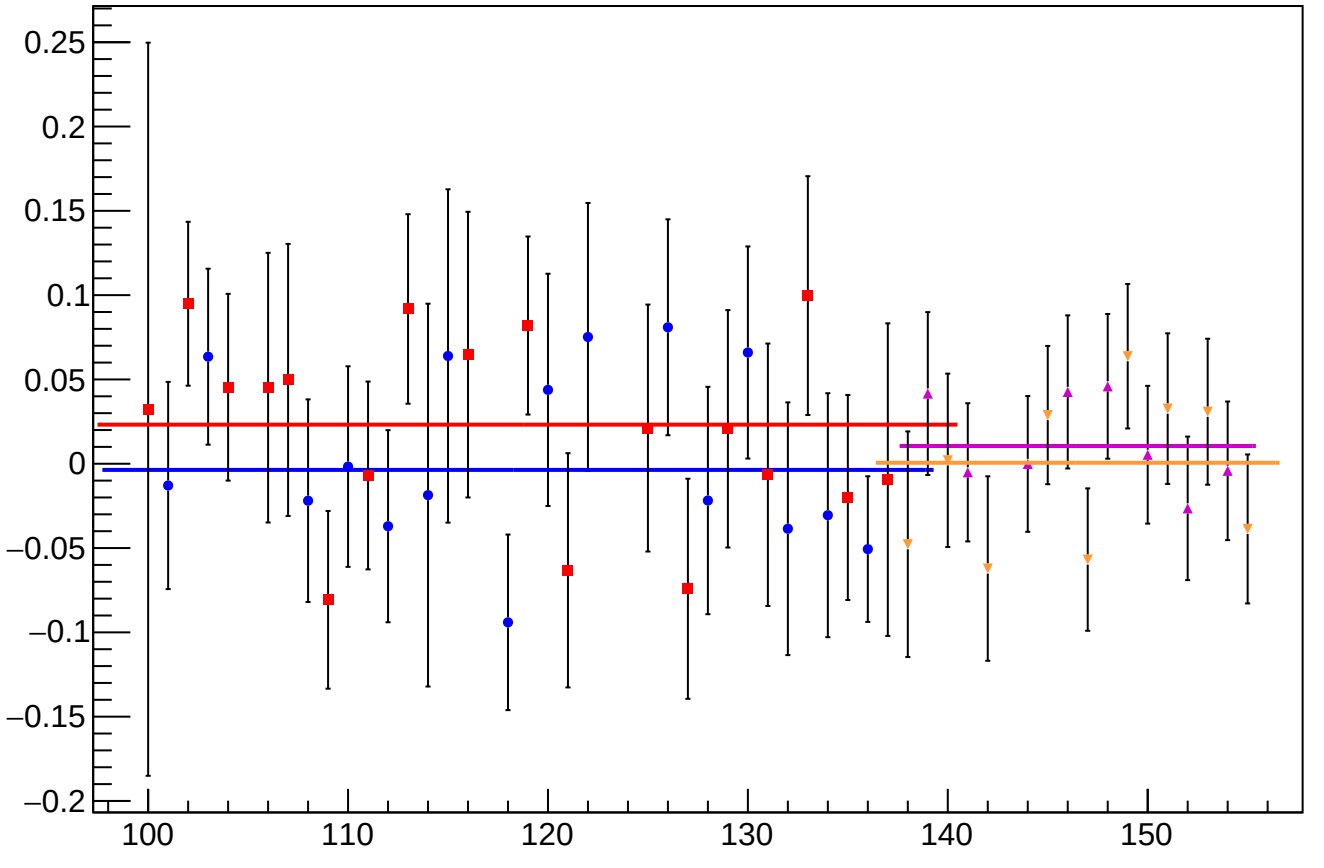
Left: 22.716+/-0.005 χ^2/NDF: 555598.6/16

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

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

Out: 23.338+/-0.005 χ^2/NDF:529850.9/26

All: 23.099+/-0.003 χ^2/NDF: 957791.3/50



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

Left Out: 0.001+/-0.015 χ^2/NDF:8.1/8

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

Left In: 0.011+/-0.015 χ^2/NDF:2.7/7

Left: 0.006+/-0.011 χ^2/NDF: 11.1/16

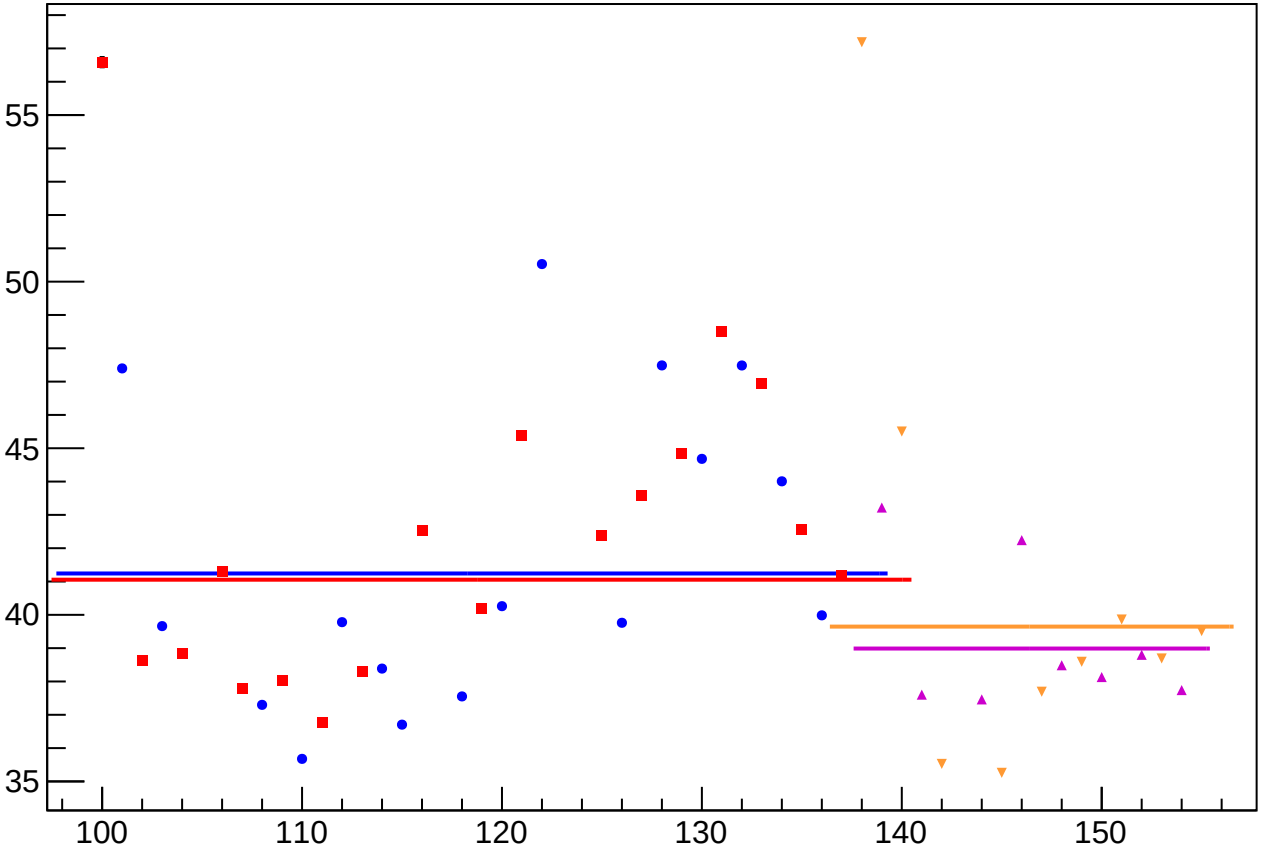
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.004+/-0.011 χ^2/NDF:14.8/23

Out: 0.012+/-0.011 χ^2/NDF:24.6/26

All: 0.008+/-0.008 χ^2/NDF: 39.6/50

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: 39.647+/-0.011 χ^2/NDF:204164.9/8

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

Left In: 38.988+/-0.011 χ^2/NDF:33800.4/7

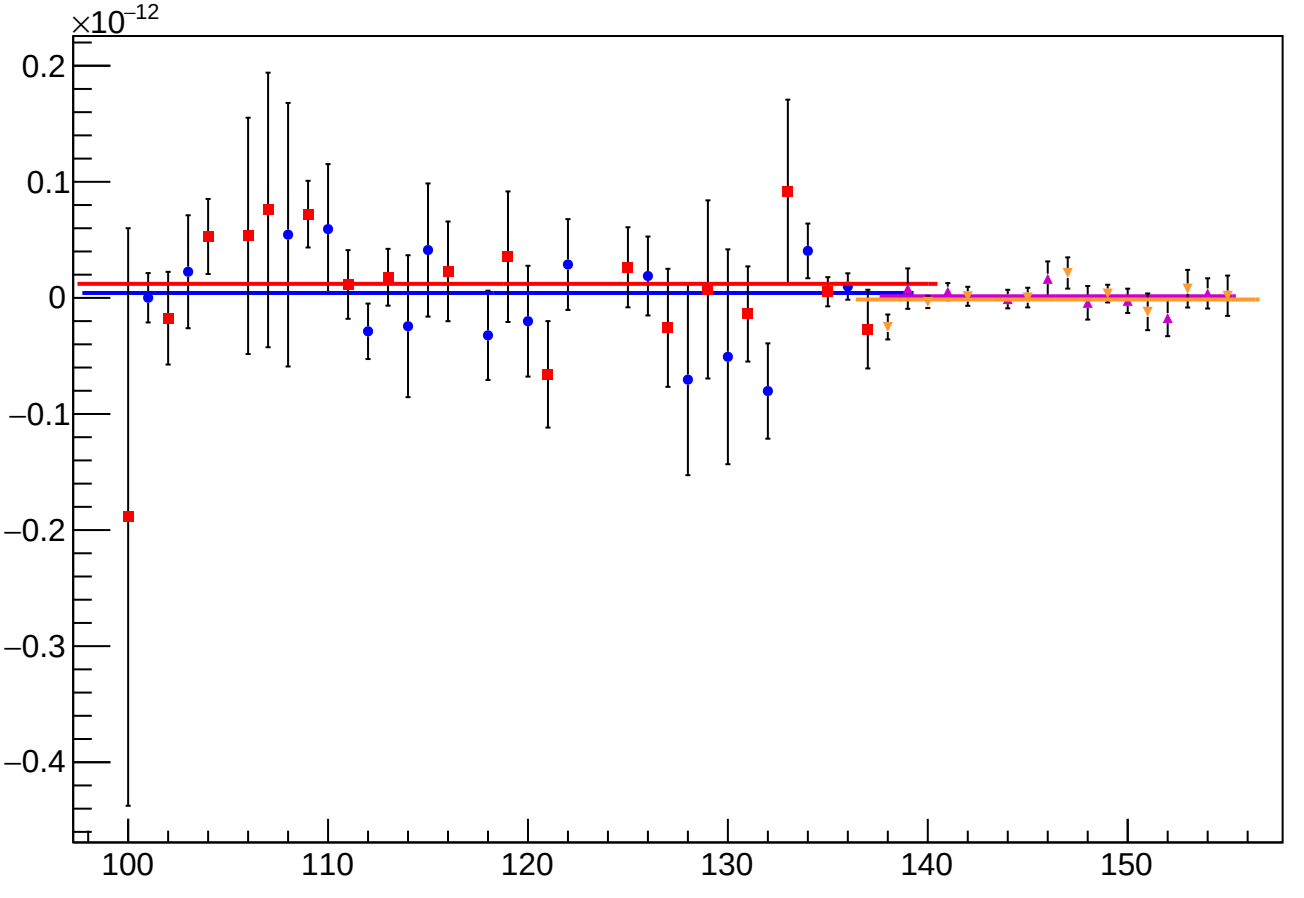
Left: 39.309+/-0.008 χ^2/NDF: 239827.3/16

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

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

Out: 40.349+/-0.008 χ^2/NDF:308981.5/26

All: 40.206+/-0.005 χ^2/NDF: 500118.9/50



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

Left Out: -0.000+/-0.000 χ^2/NDF:9.3/8

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

Left In: 0.000+/-0.000 χ^2/NDF:3.3/7

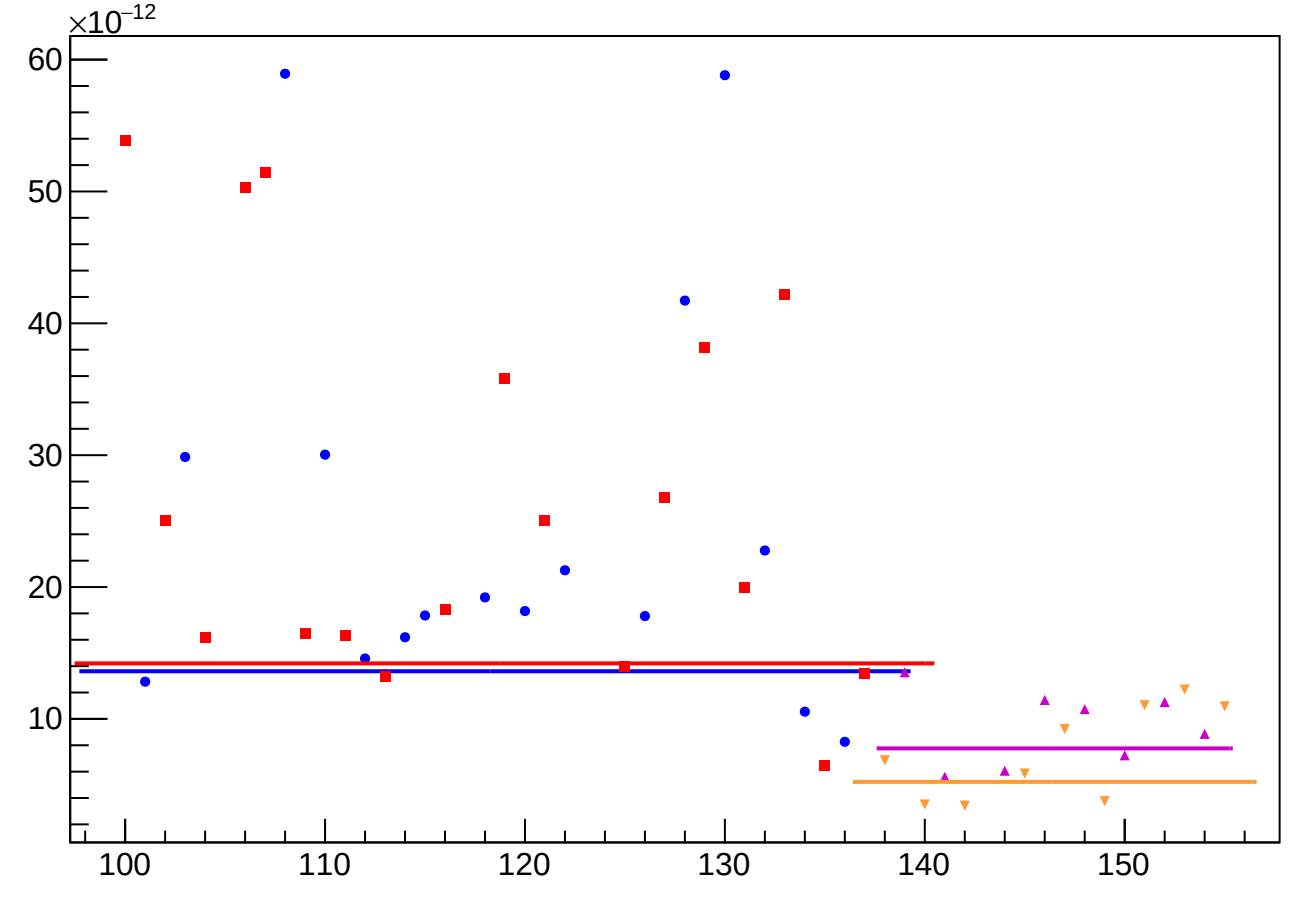
Left: -0.000+/-0.000 χ^2/NDF: 12.9/16

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:17.1/23

Out: 0.000+/-0.000 χ^2/NDF:26.5/26

All: 0.000+/-0.000 χ^2/NDF: 43.6/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:1478466.4/8

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

Left In: 0.000+/-0.000 χ^2/NDF:805000.8/7

Left: 0.000+/-0.000 χ^2/NDF: 2807233.1/16

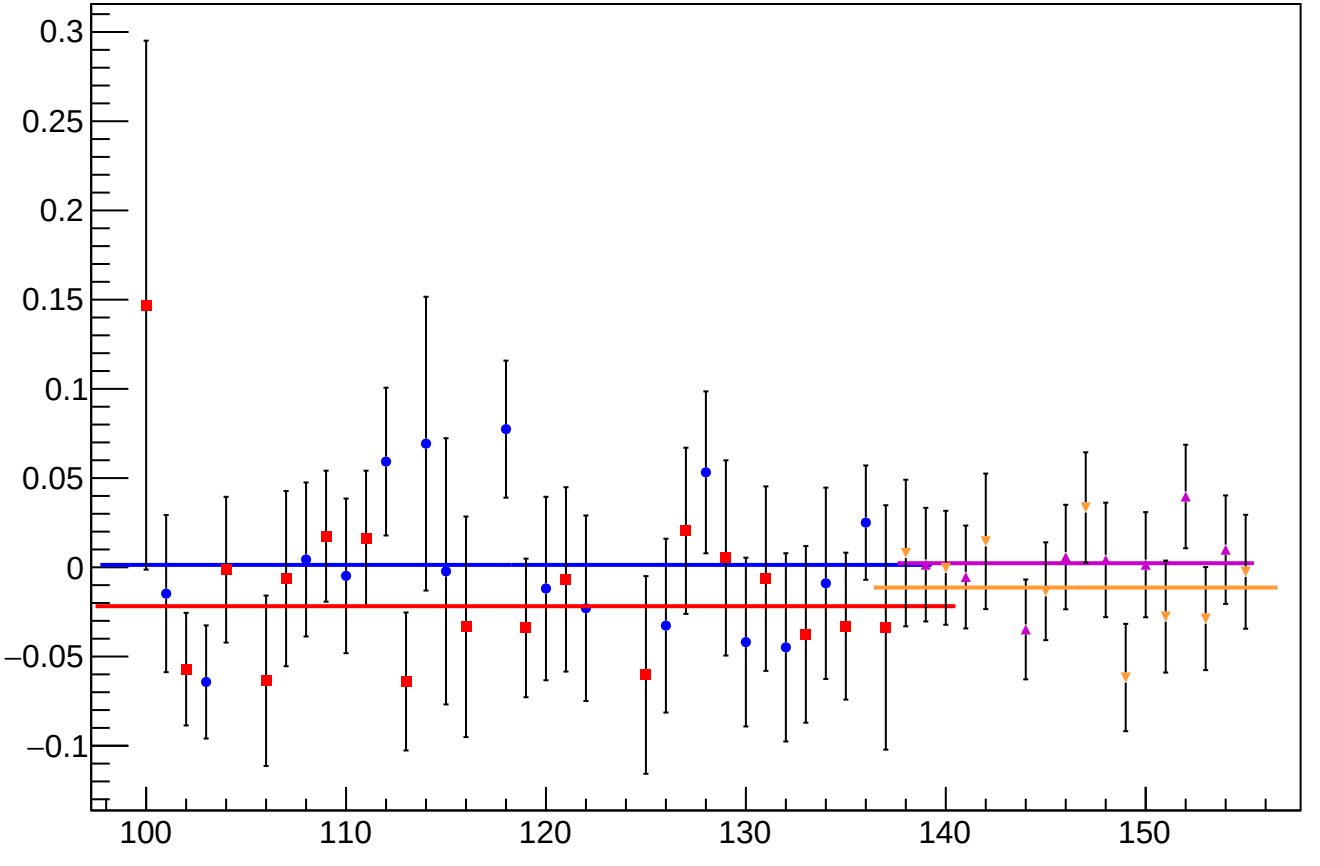
Right: 0.000+/-0.000 χ^2/NDF: 4666493.6/33

In: 0.000+/-0.000 χ^2/NDF:3976291.1/23

Out: 0.000+/-0.000 χ^2/NDF:6257207.0/26

All: 0.000+/-0.000 χ^2/NDF: 10921445.3/50

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: -0.011+/-0.011 χ^2/NDF:6.4/8

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

Left In: 0.002+/-0.011 χ^2/NDF:3.6/7

Left: -0.004+/-0.007 χ^2/NDF: 10.8/16

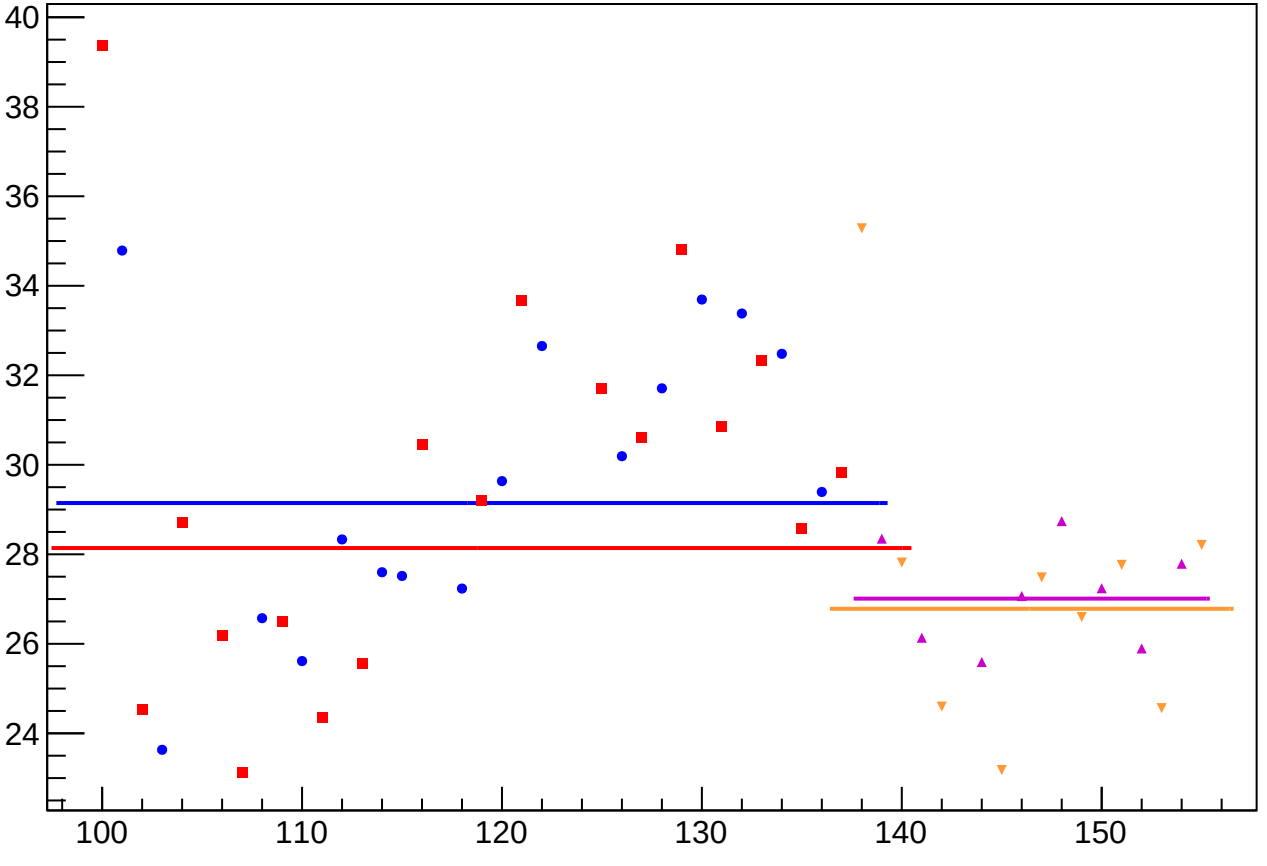
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.002+/-0.008 χ^2/NDF:18.8/23

Out: -0.016+/-0.008 χ^2/NDF:16.0/26

All: -0.007+/-0.005 χ^2/NDF: 37.7/50

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: 26.783+/-0.007 χ^2/NDF:147828.1/8

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

Left In: 27.010+/-0.007 χ^2/NDF:20733.2/7

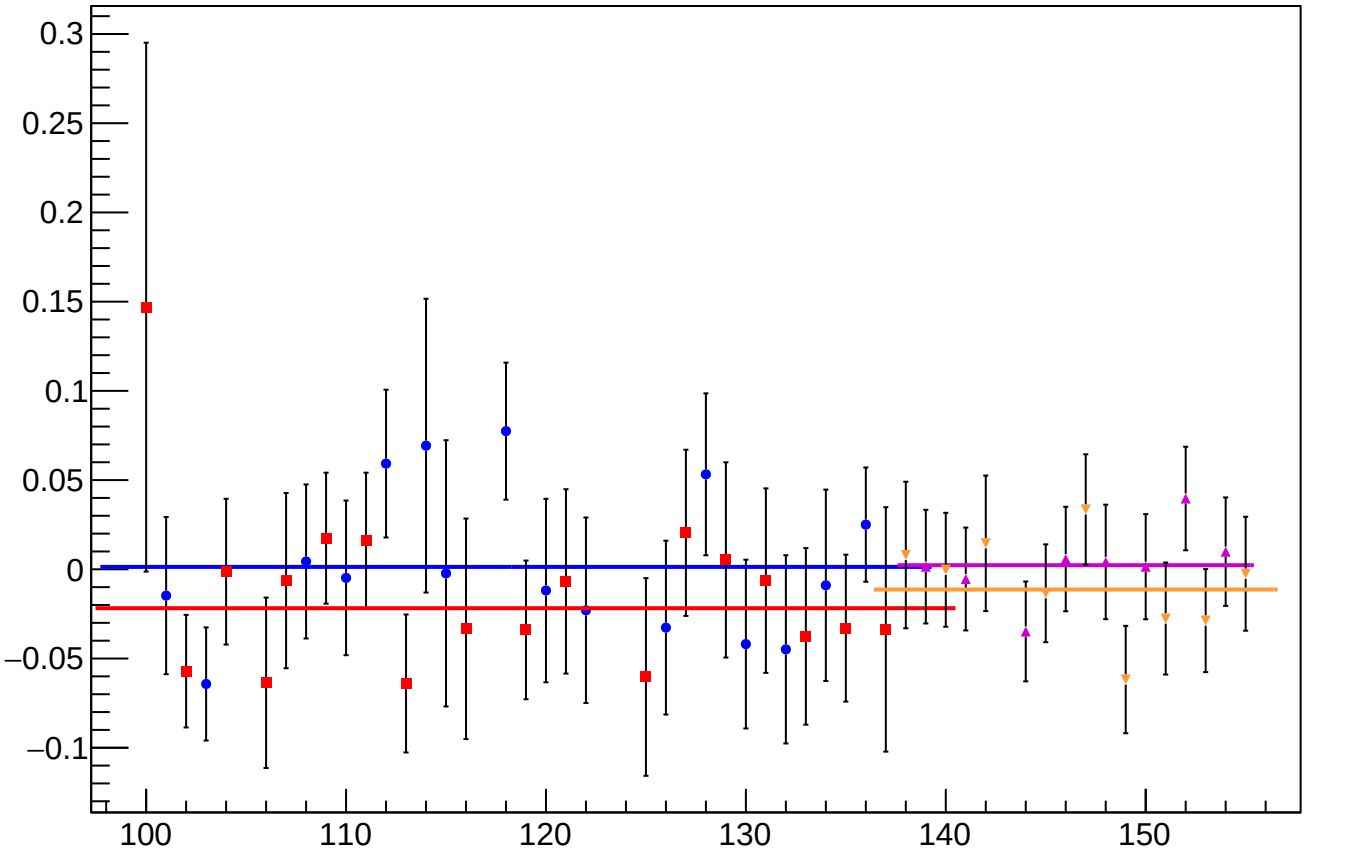
Left: 26.897+/-0.005 χ^2/NDF: 169022.7/16

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

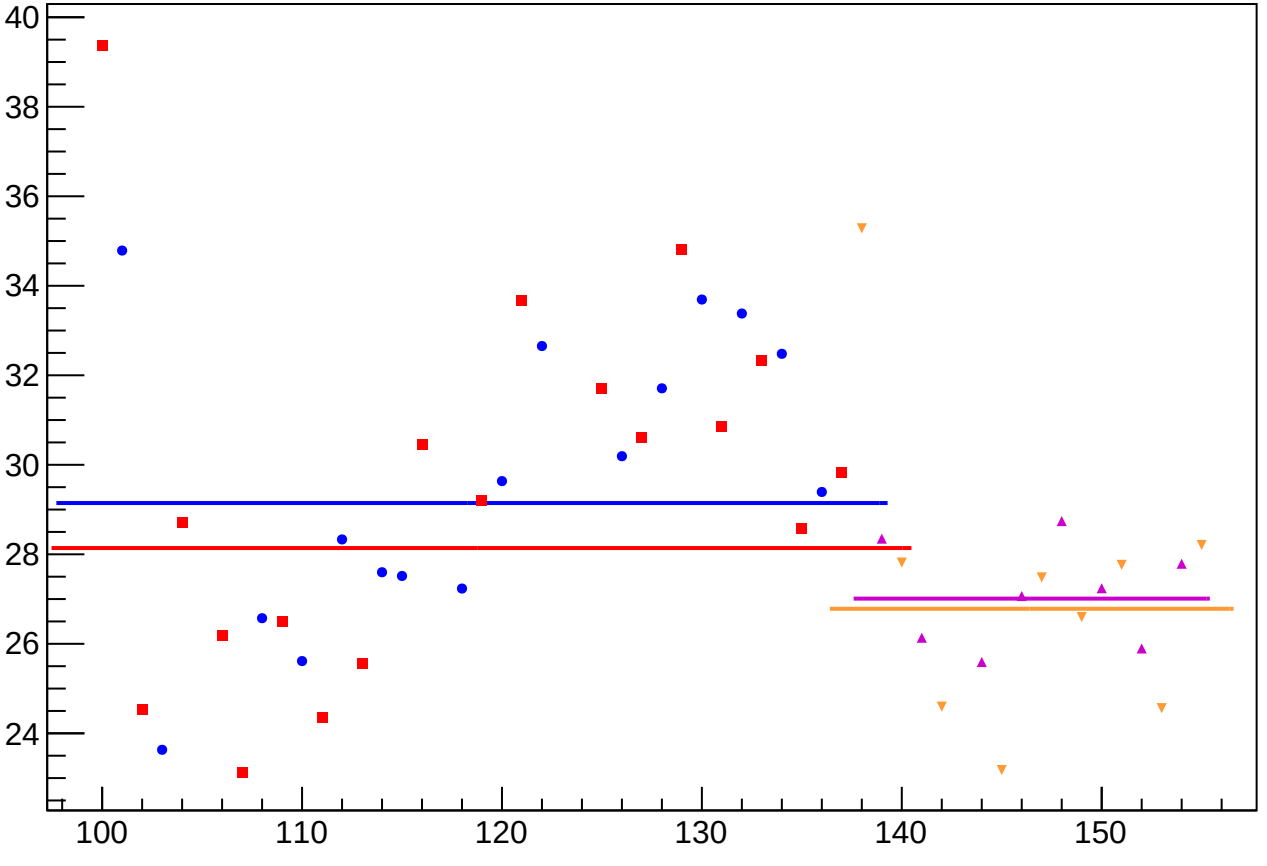
In: 28.010+/-0.005 χ^2/NDF:236192.3/23

Out: 27.449+/-0.005 χ^2/NDF:351075.1/26

All: 27.725+/-0.004 χ^2/NDF: 592711.1/50


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.011+/-0.011 χ²/NDF:6.4/8
Right Out: -0.022+/-0.011 χ²/NDF: 9.0/17
Left In: 0.002+/-0.011 χ²/NDF:3.6/7
Left: -0.004+/-0.007 χ²/NDF: 10.8/16
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: 0.002+/-0.008 χ²/NDF:18.8/23
Out: -0.016+/-0.008 χ²/NDF:16.0/26
All: -0.007+/-0.005 χ²/NDF: 37.7/50

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: 26.783+/-0.007 χ^2/NDF:147828.1/8

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

Left In: 27.010+/-0.007 χ^2/NDF:20733.2/7

Left: 26.897+/-0.005 χ^2/NDF: 169022.7/16

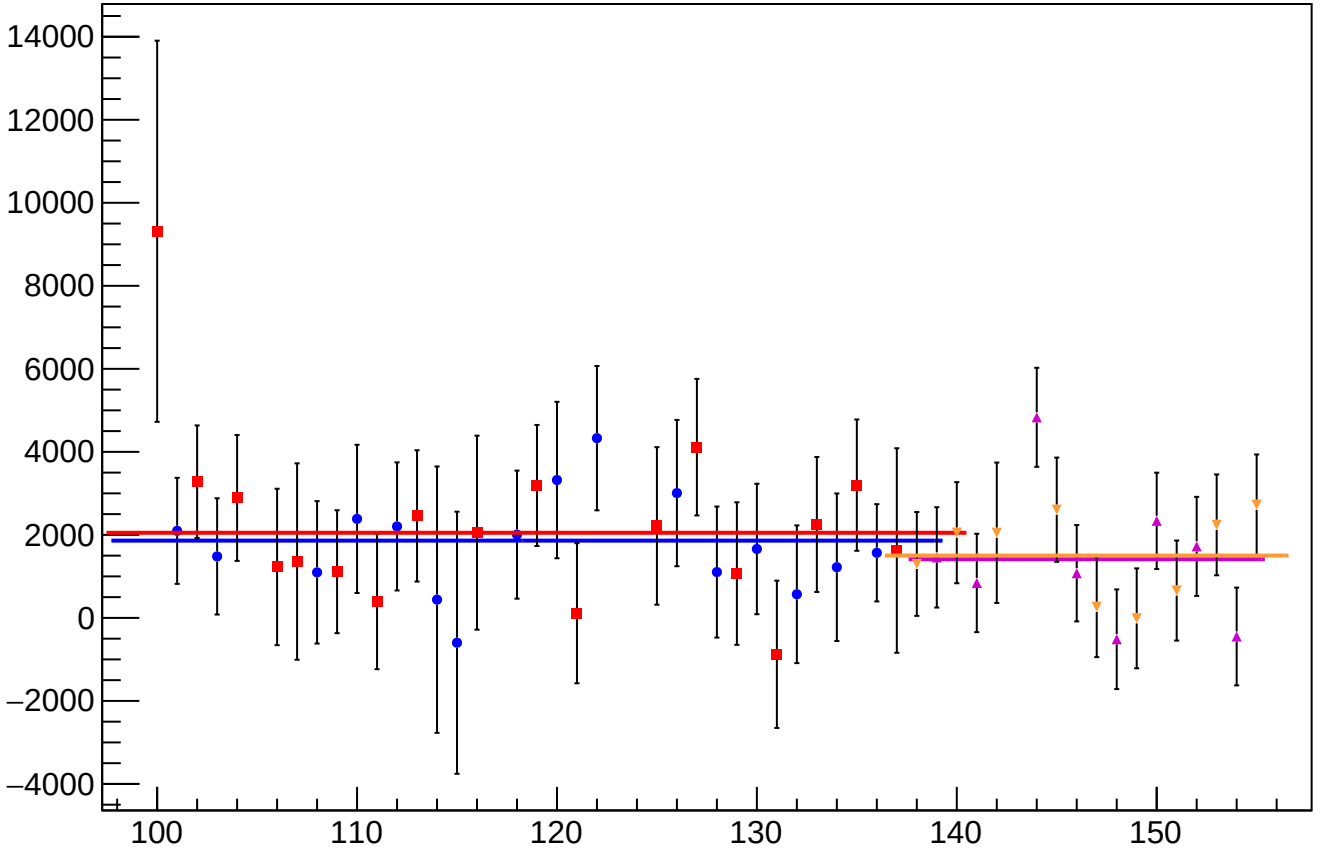
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

Out: 27.449+/-0.005 χ^2/NDF:351075.1/26

All: 27.725+/-0.004 χ^2/NDF: 592711.1/50

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1502.326+/-418.262 χ^2/NDF:5.6/8

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

Left In: 1413.444+/-418.813 χ^2/NDF:14.3/7

Left: 1457.944+/-295.951 χ^2/NDF: 19.9/16

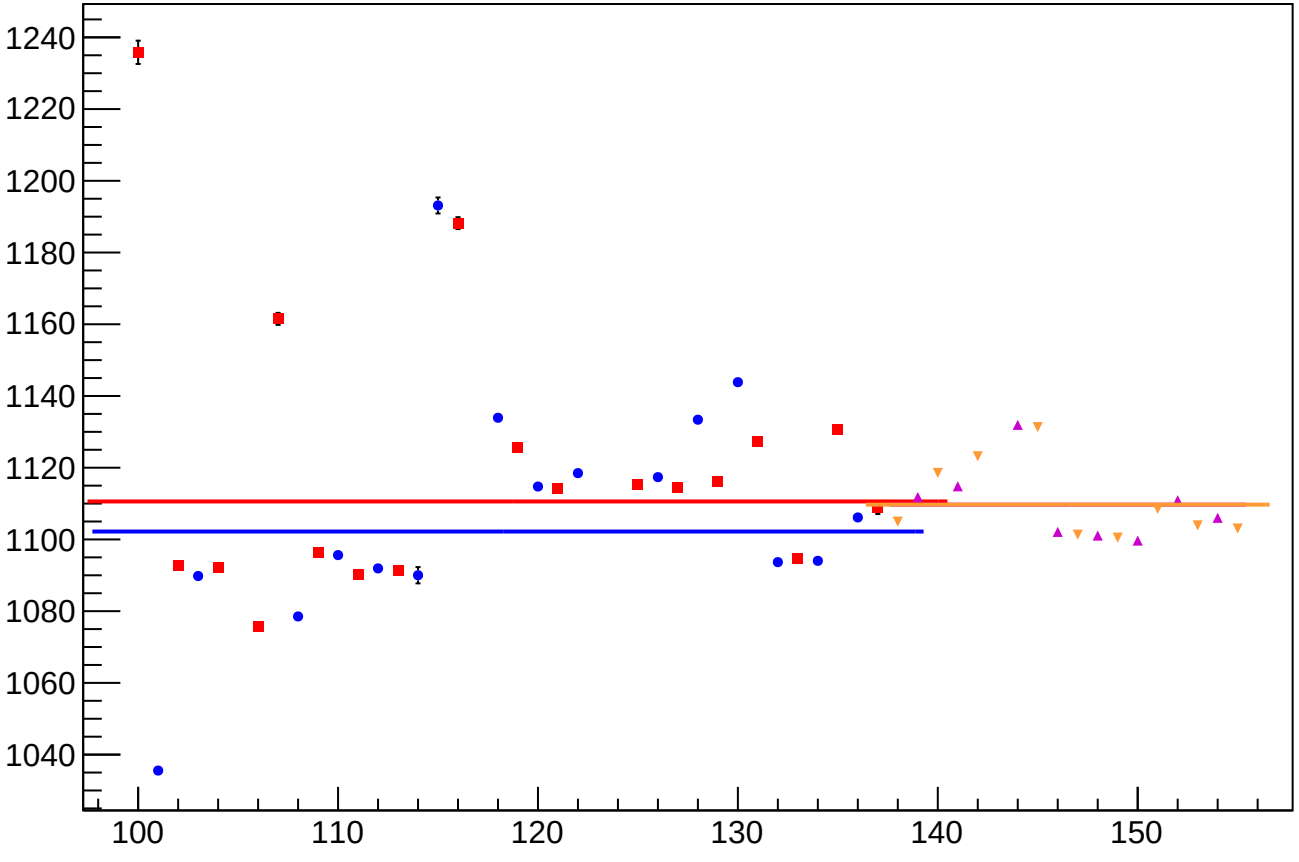
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1782.558+/-292.517 χ^2/NDF:19.0/26

All: 1712.602+/-206.943 χ^2/NDF: 39.4/50

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.705+/-0.296 χ^2/NDF:1174.9/8

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

Left In: 1109.687+/-0.296 χ^2/NDF:1098.2/7

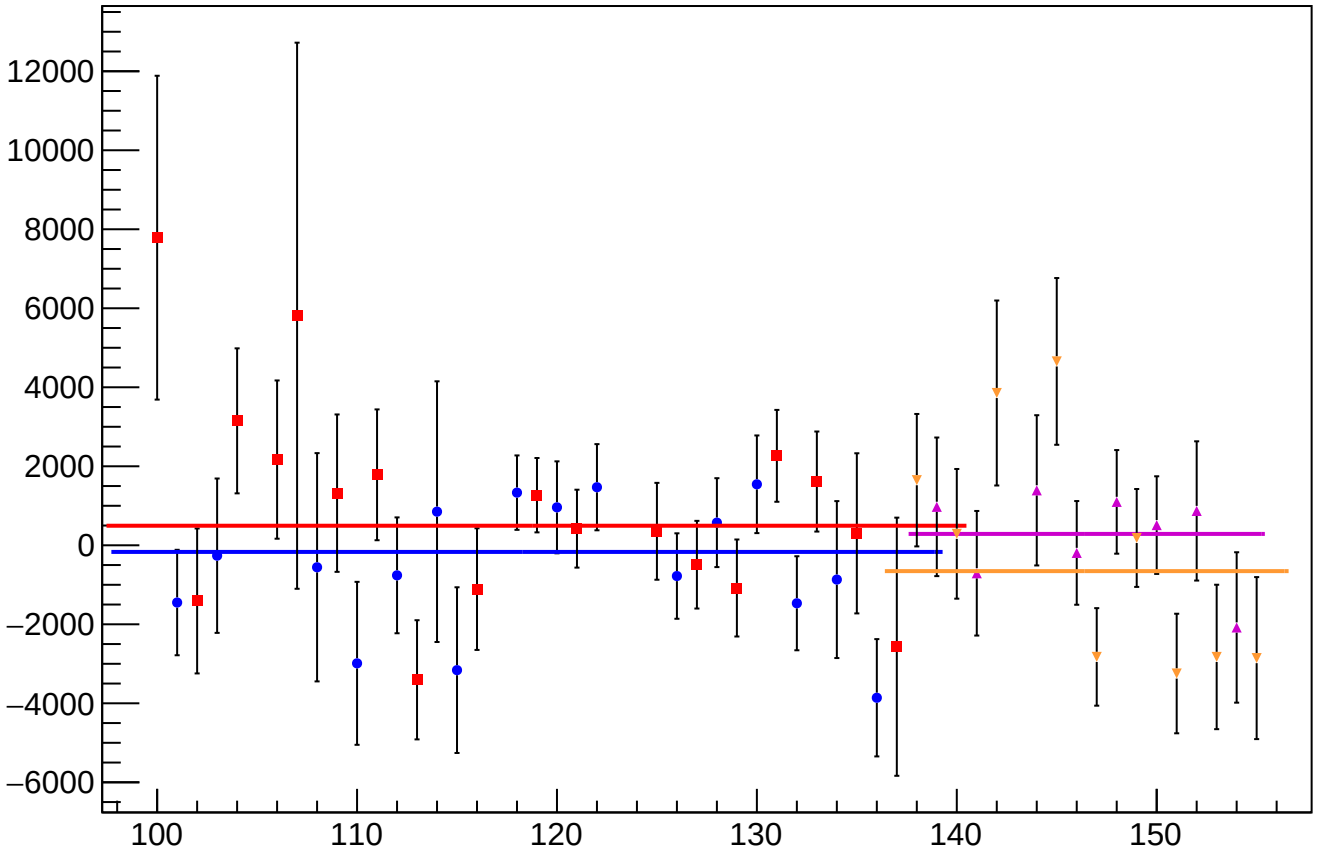
Left: 1109.696+/-0.209 χ^2/NDF: 2273.1/16

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

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

Out: 1110.158+/-0.207 χ^2/NDF:8875.6/26

All: 1108.012+/-0.146 χ^2/NDF: 21864.5/50



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

Left Out: -653.958+/-541.139 χ^2/NDF:21.3/8

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

Left In: 287.983+/-540.883 χ^2/NDF:3.1/7

Left: -182.765+/-382.552 χ^2/NDF: 25.9/16

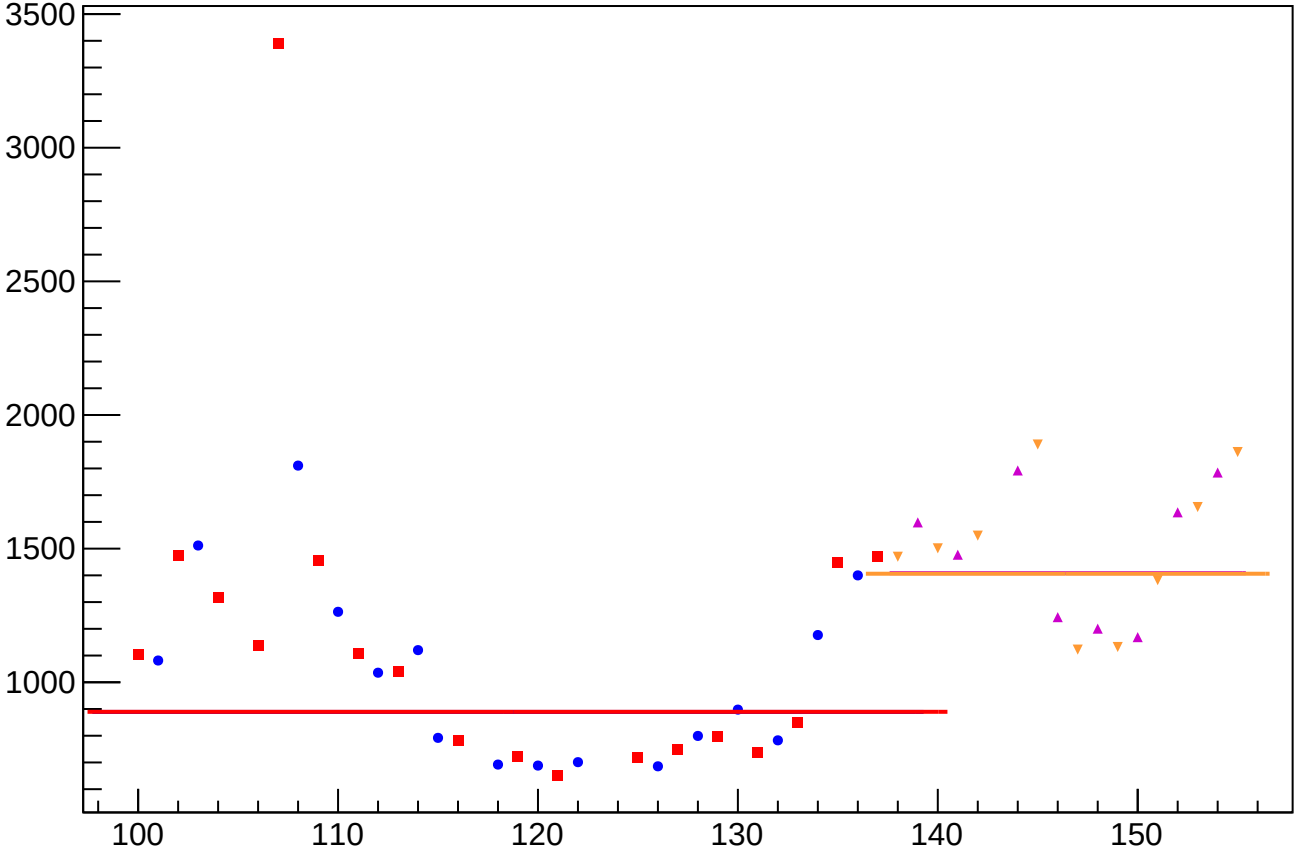
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -35.817+/-291.132 χ^2/NDF:24.6/23

Out: 163.003+/-290.940 χ^2/NDF:47.8/26

All: 63.659+/-205.793 χ^2/NDF: 72.6/50

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1406.107+/-0.383 χ^2/NDF:461900.6/8

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

Left In: 1408.256+/-0.382 χ^2/NDF:377161.0/7

Left: 1407.182+/-0.271 χ^2/NDF: 839077.4/16

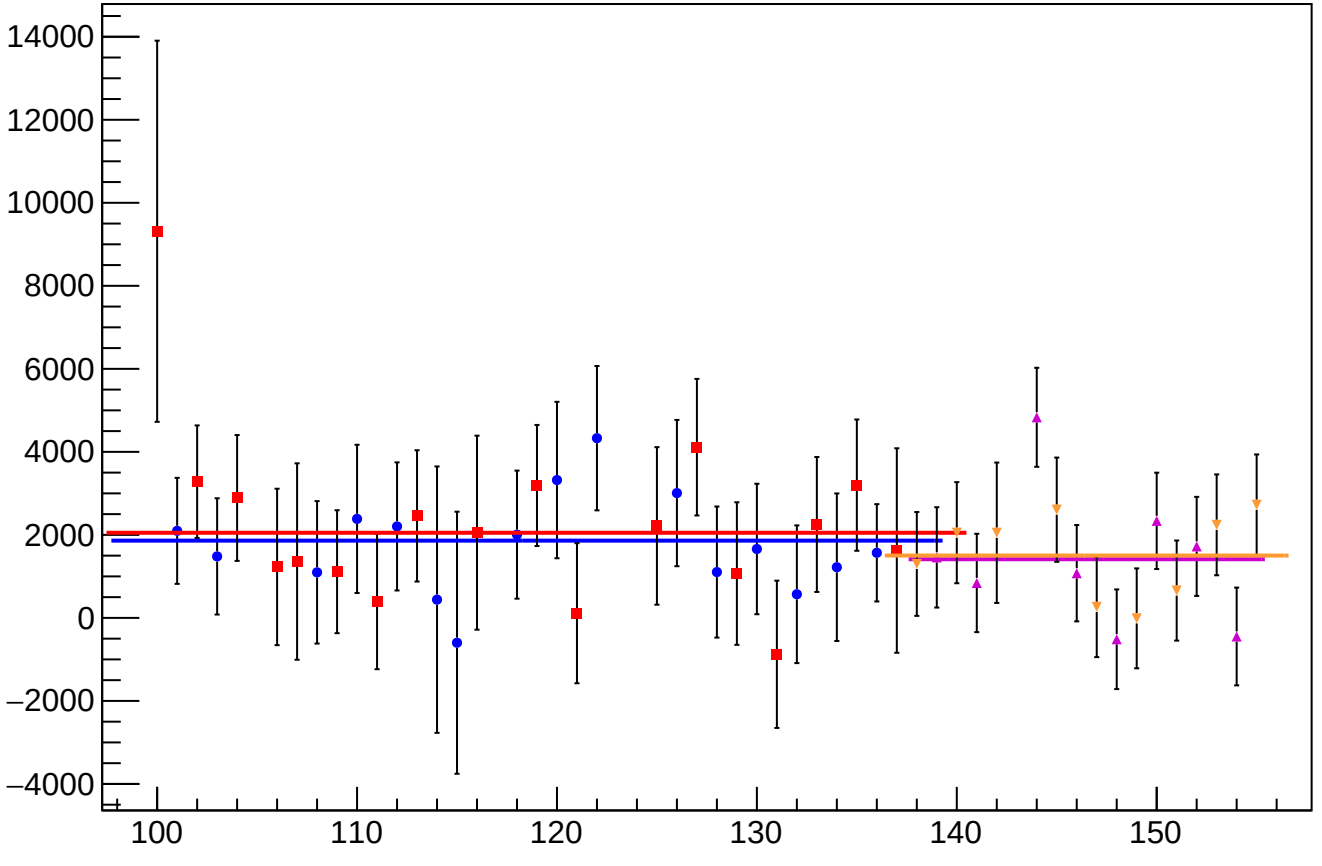
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 1038.815+/-0.206 χ^2/NDF:3103643.8/26

All: 1039.110+/-0.146 χ^2/NDF: 5923036.1/50

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1502.326+/-418.262 χ^2/NDF:5.6/8

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

Left In: 1413.444+/-418.813 χ^2/NDF:14.3/7

Left: 1457.944+/-295.951 χ^2/NDF: 19.9/16

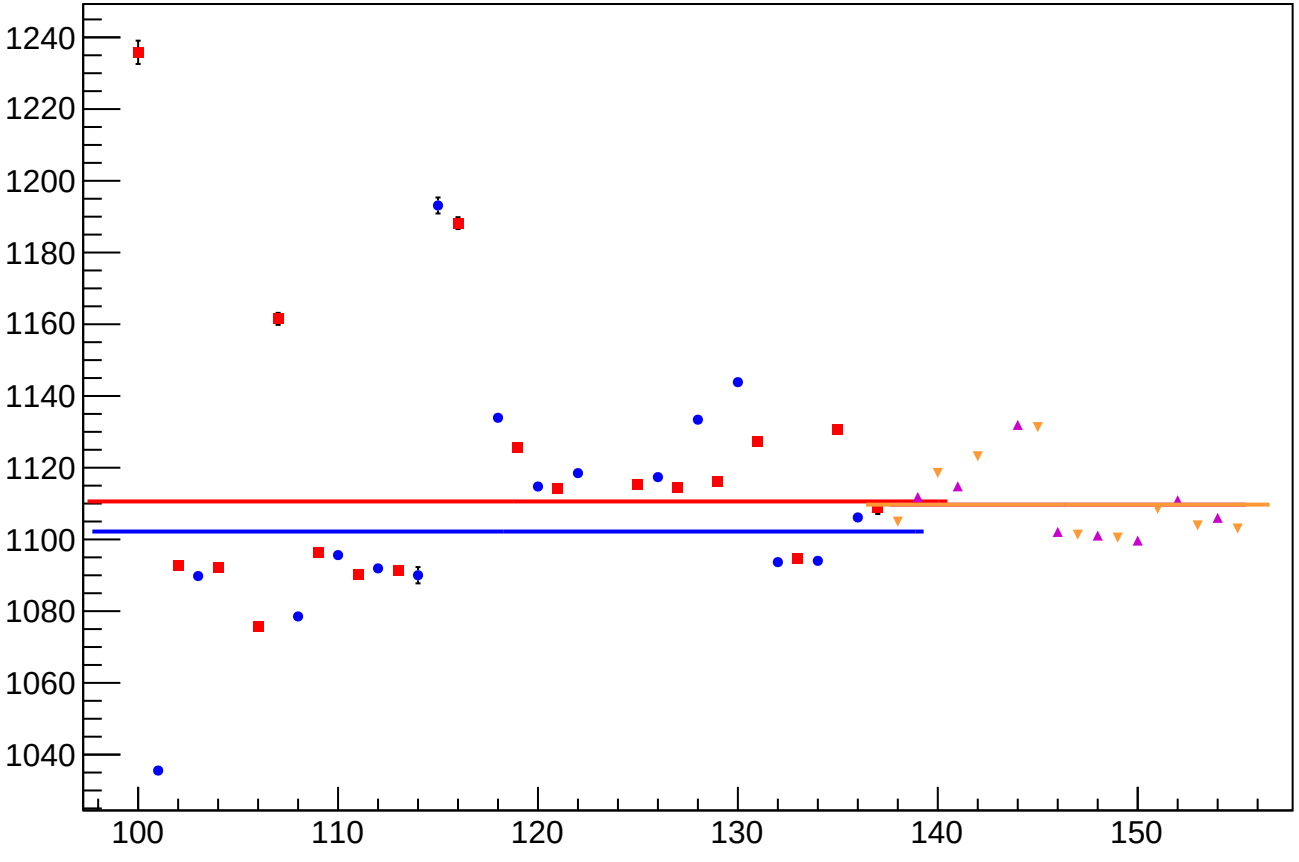
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1782.558+/-292.517 χ^2/NDF:19.0/26

All: 1712.602+/-206.943 χ^2/NDF: 39.4/50

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.705+/-0.296 χ^2/NDF:1174.9/8

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

Left In: 1109.687+/-0.296 χ^2/NDF:1098.2/7

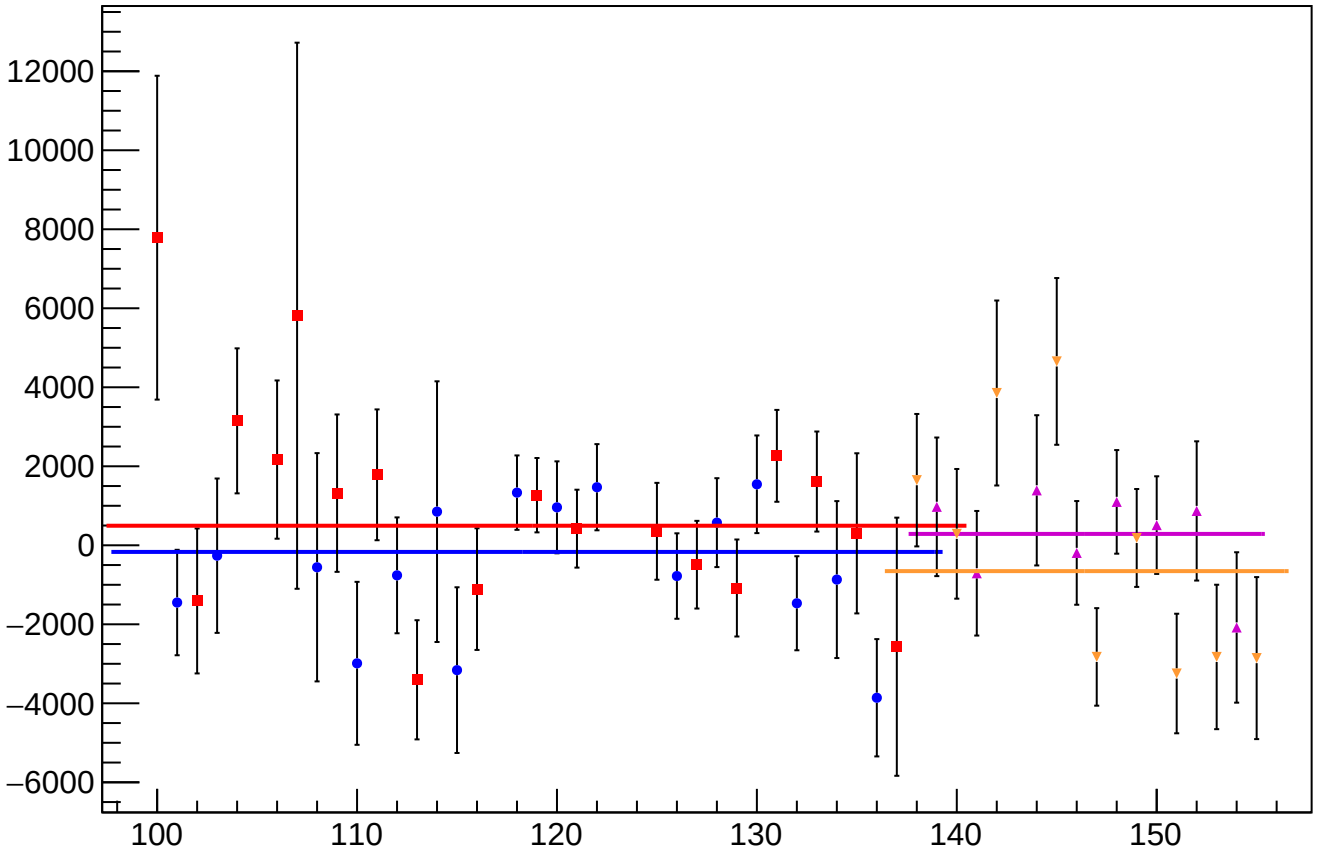
Left: 1109.696+/-0.209 χ^2/NDF: 2273.1/16

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

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

Out: 1110.158+/-0.207 χ^2/NDF:8875.6/26

All: 1108.012+/-0.146 χ^2/NDF: 21864.5/50



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

Left Out: -653.958+/-541.139 χ^2/NDF:21.3/8

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

Left In: 287.983+/-540.883 χ^2/NDF:3.1/7

Left: -182.765+/-382.552 χ^2/NDF: 25.9/16

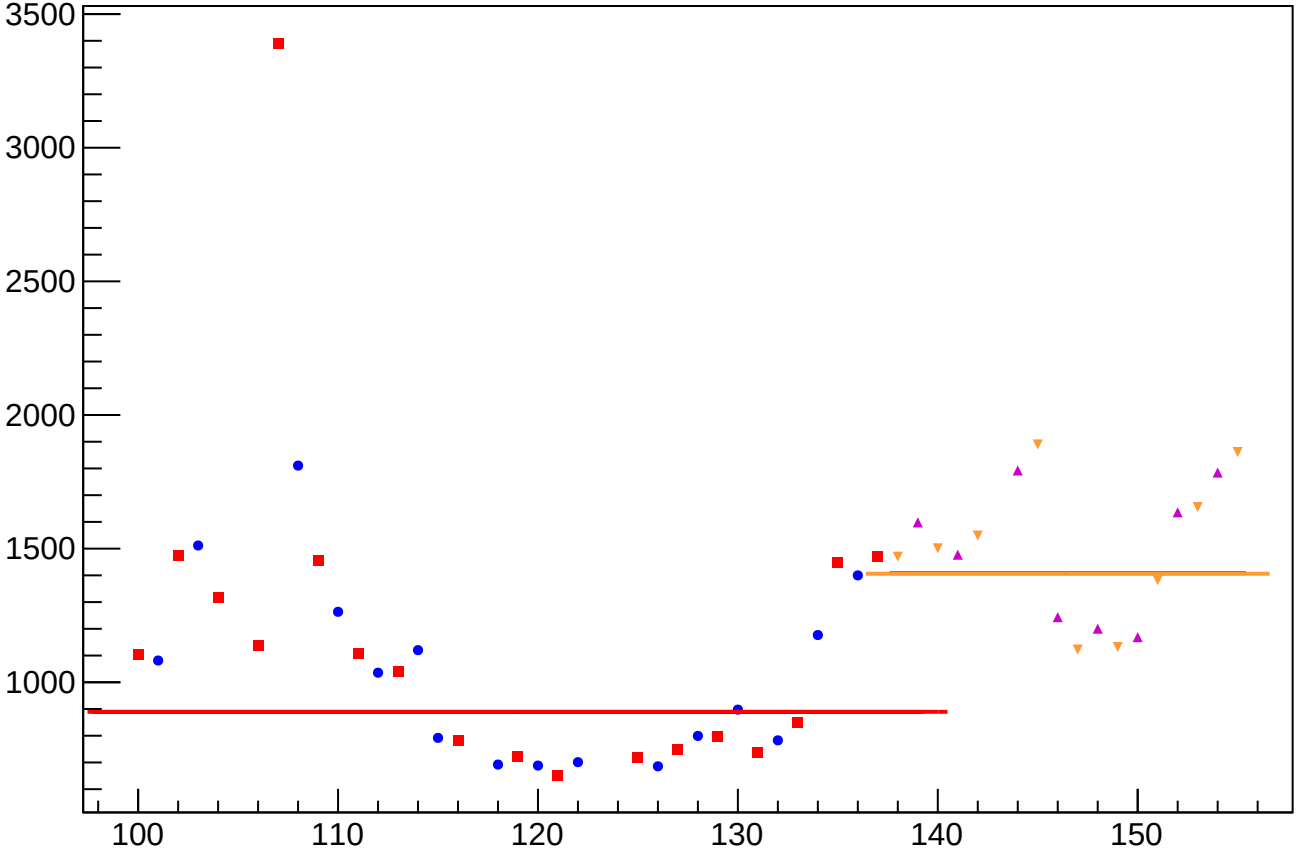
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: -35.817+/-291.132 χ^2/NDF:24.6/23

Out: 163.003+/-290.940 χ^2/NDF:47.8/26

All: 63.659+/-205.793 χ^2/NDF: 72.6/50

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1406.107+/-0.383 χ^2/NDF:461900.6/8

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

Left In: 1408.256+/-0.382 χ^2/NDF:377161.0/7

Left: 1407.182+/-0.271 χ^2/NDF: 839077.4/16

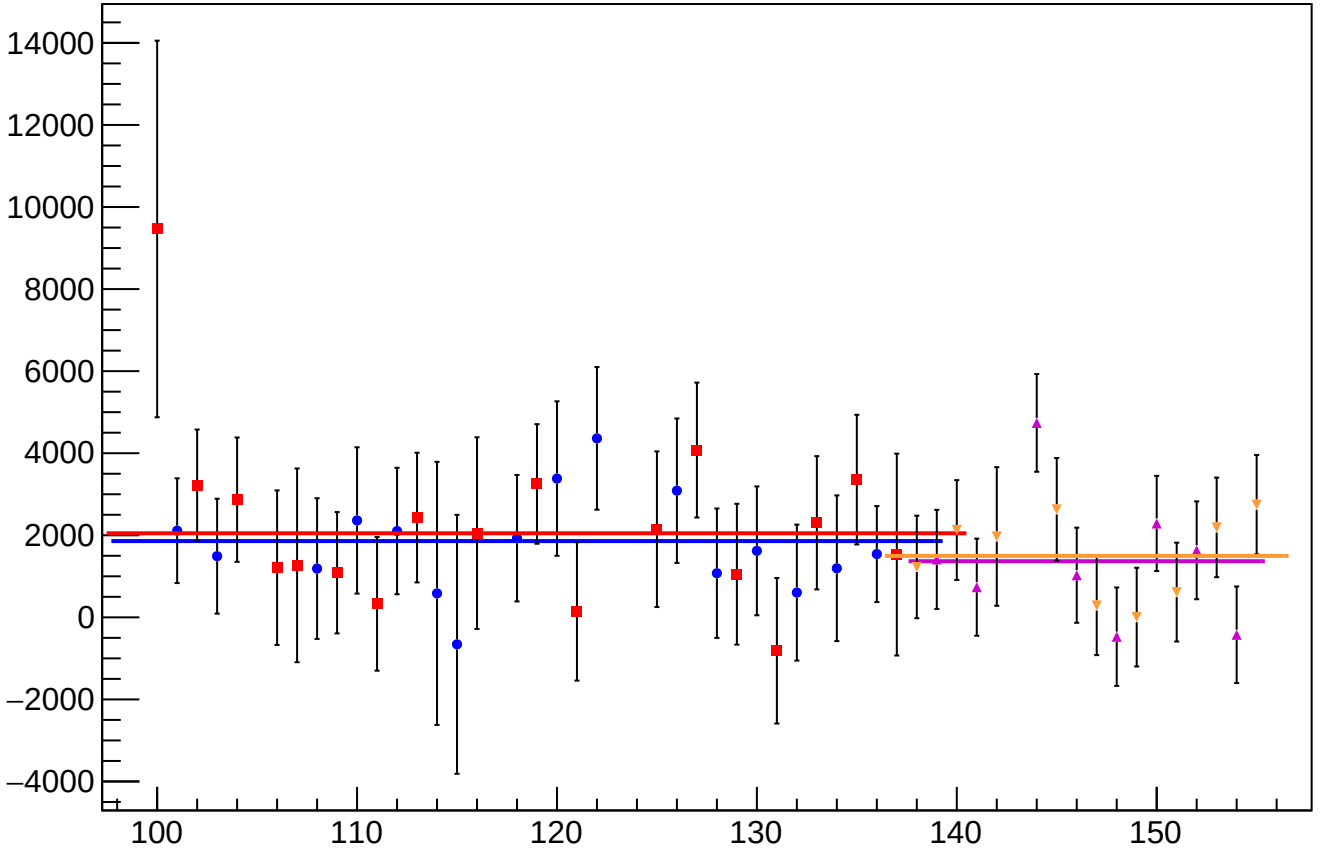
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 1038.815+/-0.206 χ^2/NDF:3103643.8/26

All: 1039.110+/-0.146 χ^2/NDF: 5923036.1/5

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1497.736+/-417.811 χ^2/NDF:5.7/8

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

Left In: 1368.068+/-418.358 χ^2/NDF:13.7/7

Left: 1432.987+/-295.630 χ^2/NDF: 19.5/16

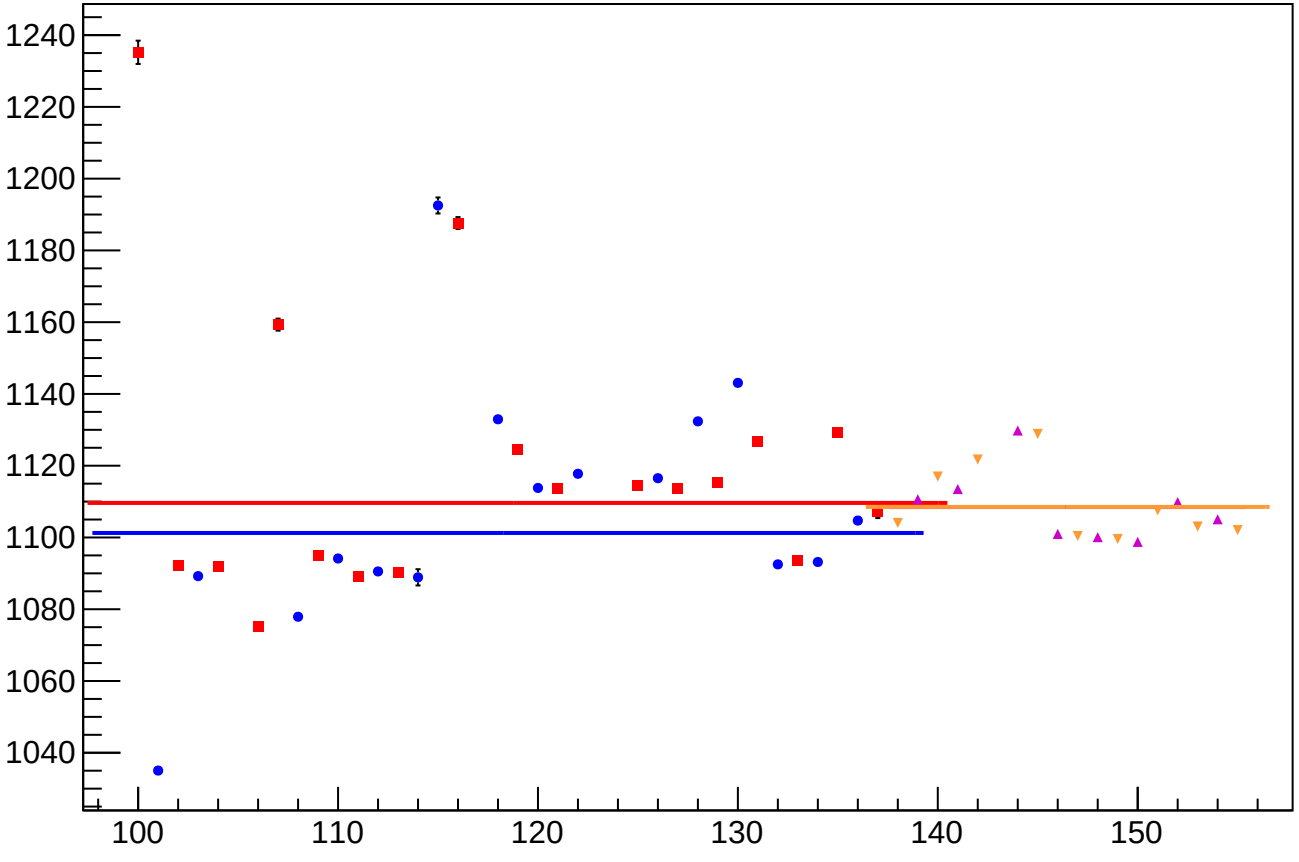
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

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

Out: 1779.147+/-292.233 χ^2/NDF:19.3/26

All: 1699.064+/-206.742 χ^2/NDF: 39.3/50

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1108.513+/-0.295 χ^2/NDF:1071.5/8

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

Left In: 1108.484+/-0.296 χ^2/NDF:1025.1/7

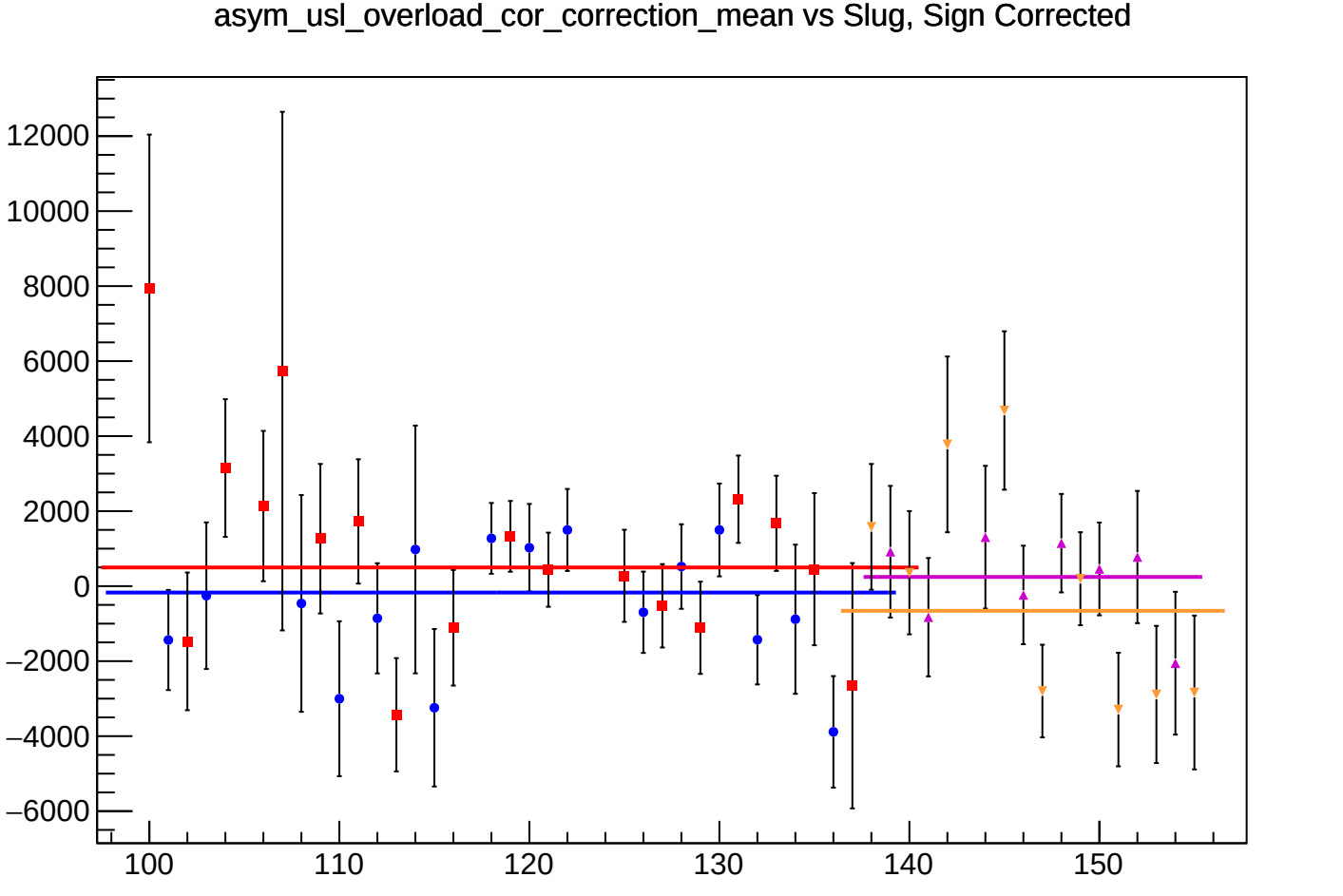
Left: 1108.498+/-0.209 χ^2/NDF: 2096.6/16

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

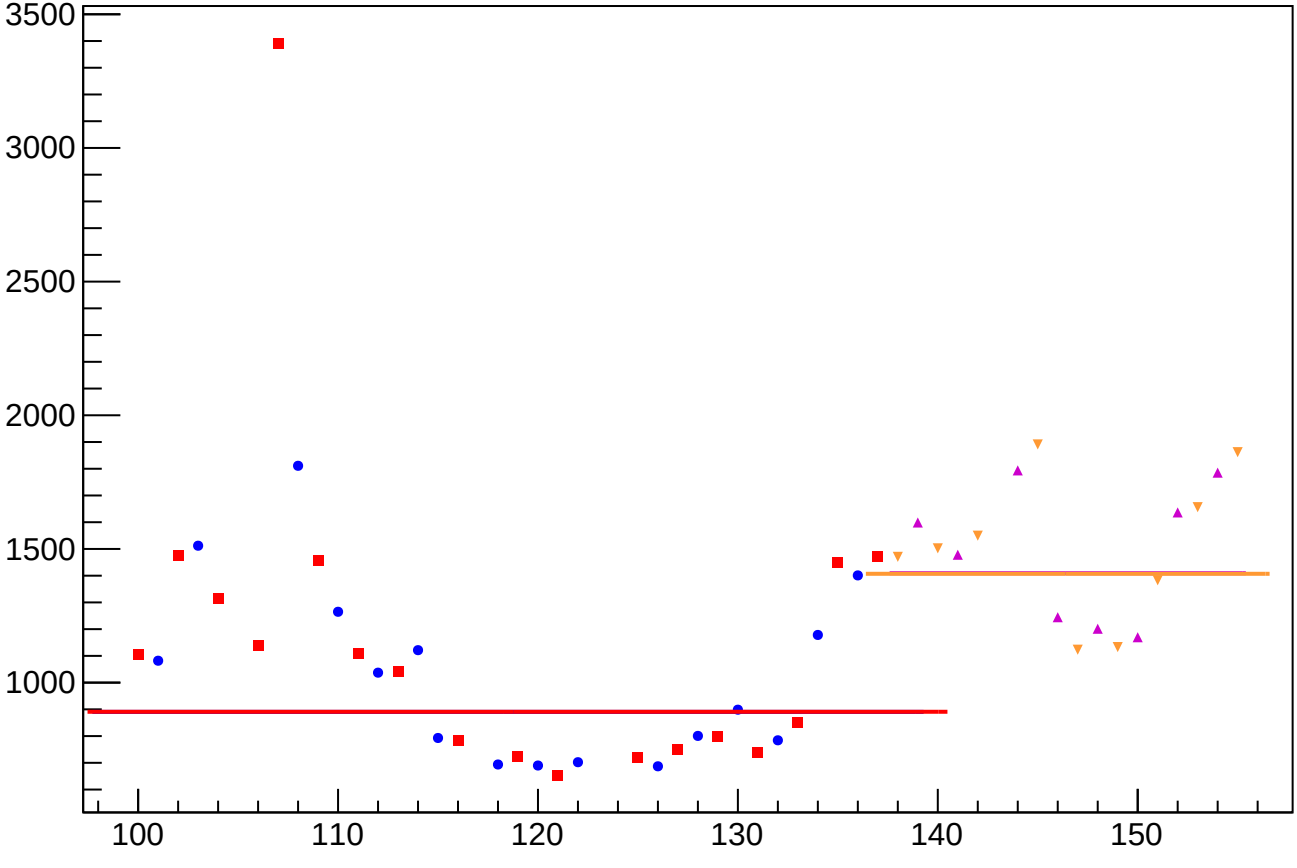
In: 1104.789+/-0.207 χ^2/NDF:12638.5/23

Out: 1109.083+/-0.207 χ^2/NDF:8751.9/26

All: 1106.938+/-0.146 χ^2/NDF: 21606.1/50


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: -658.075+/-541.491 χ²/NDF:21.3/8
Right Out: 497.957+/-345.565 χ²/NDF: 23.9/17
Left In: 245.296+/-541.238 χ²/NDF:3.1/7
Left: -206.178+/-382.802 χ²/NDF: 25.8/16
Right: 163.915+/-244.498 χ²/NDF: 46.7/33
In: -50.187+/-291.510 χ²/NDF:24.4/23
Out: 163.399+/-291.301 χ²/NDF:48.4/26
All: 56.683+/-206.055 χ²/NDF: 73.1/50

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1407.063+/-0.383 χ^2/NDF:461317.4/8

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

Left In: 1409.211+/-0.383 χ^2/NDF:376699.9/7

Left: 1408.137+/-0.271 χ^2/NDF: 838033.1/16

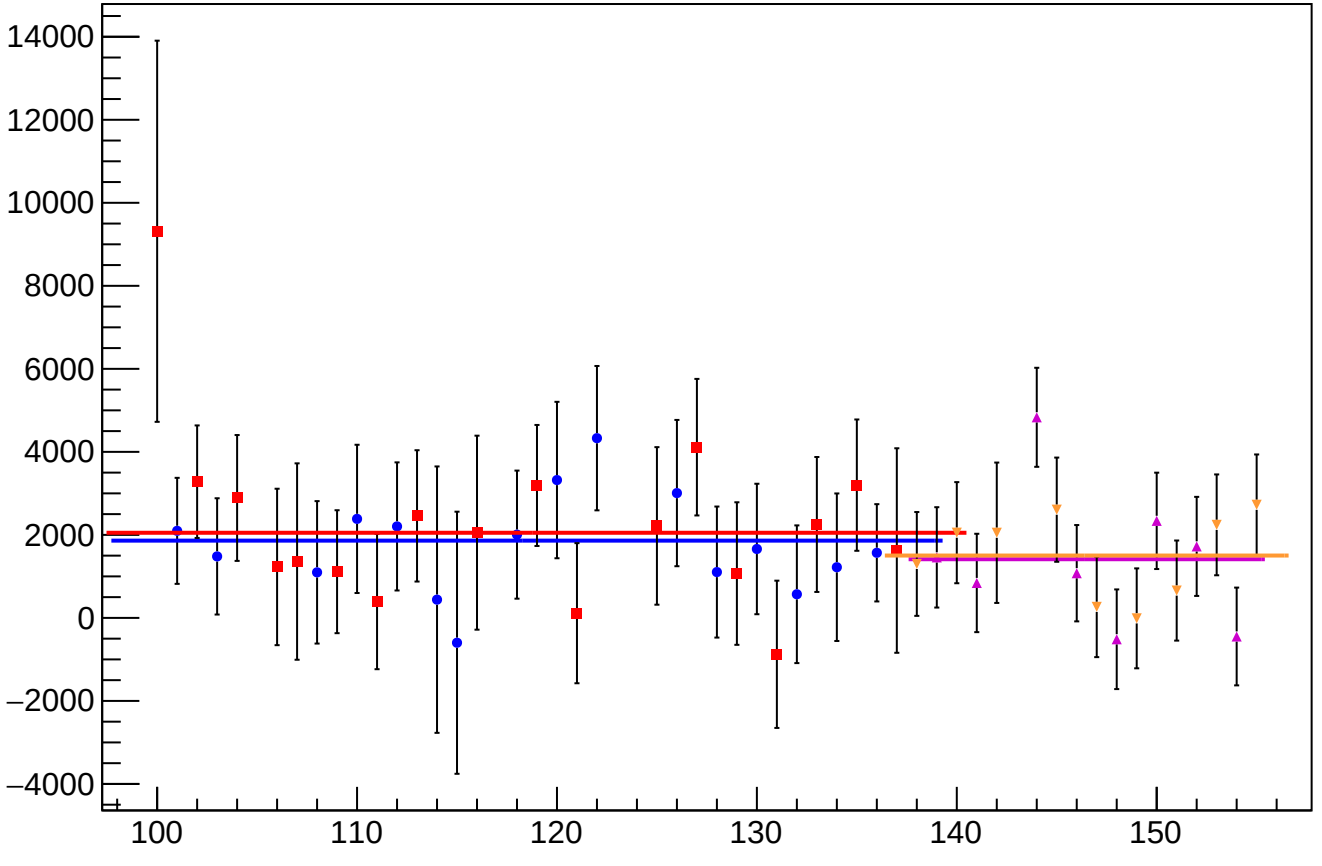
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1040.968+/-0.206 χ^2/NDF:2809561.8/23

Out: 1040.306+/-0.206 χ^2/NDF:3094280.3/26

All: 1040.637+/-0.146 χ^2/NDF: 5903847.3/50

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1502.326+/-418.262 χ^2/NDF:5.6/8

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

Left In: 1413.444+/-418.813 χ^2/NDF:14.3/7

Left: 1457.944+/-295.951 χ^2/NDF: 19.9/16

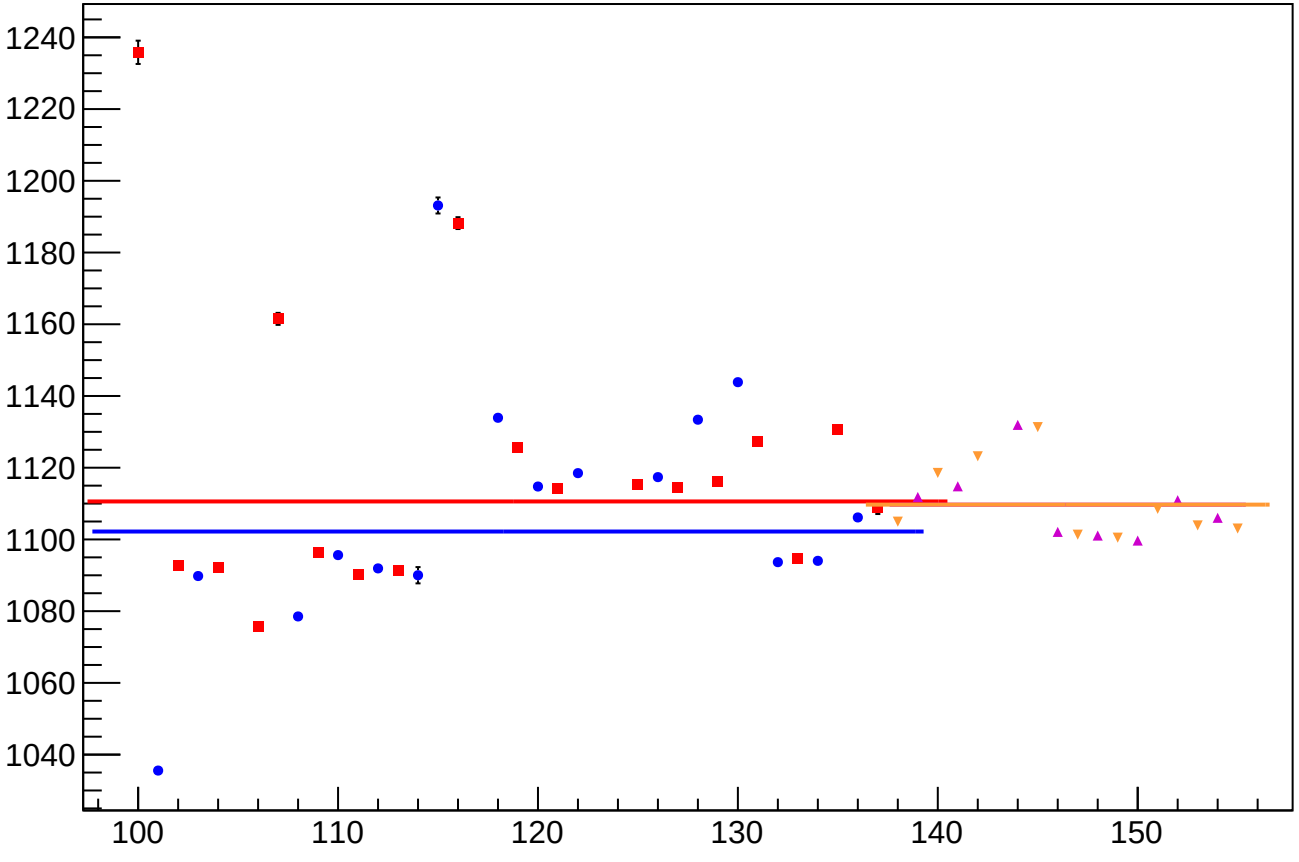
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1782.558+/-292.517 χ^2/NDF:19.0/26

All: 1712.602+/-206.943 χ^2/NDF: 39.4/50

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.705+/-0.296 χ^2/NDF:1174.9/8

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

Left In: 1109.687+/-0.296 χ^2/NDF:1098.2/7

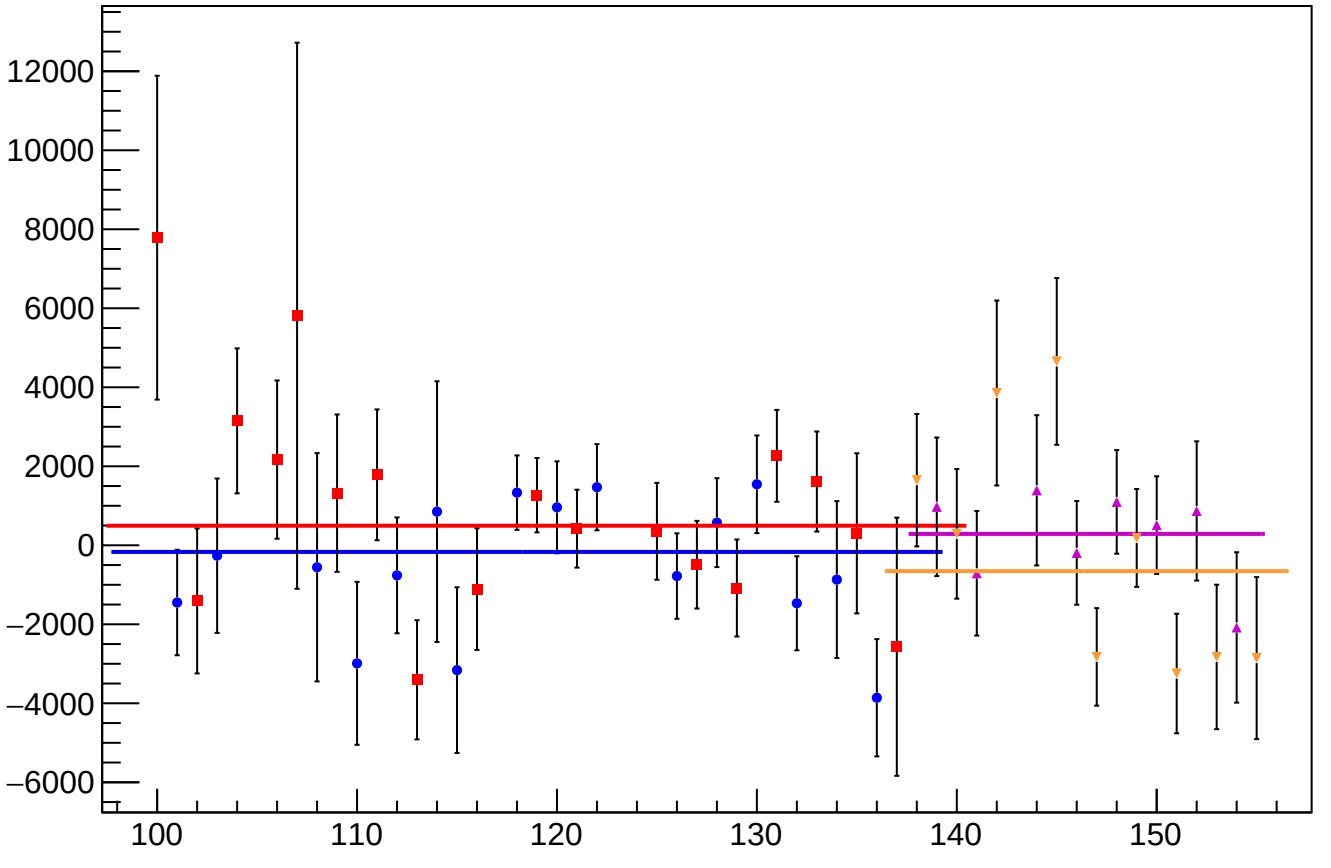
Left: 1109.696+/-0.209 χ^2/NDF: 2273.1/16

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

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

Out: 1110.158+/-0.207 χ^2/NDF:8875.6/26

All: 1108.012+/-0.146 χ^2/NDF: 21864.5/50



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

Left Out: -653.958+/-541.139 χ^2/NDF:21.3/8

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

Left In: 287.983+/-540.883 χ^2/NDF:3.1/7

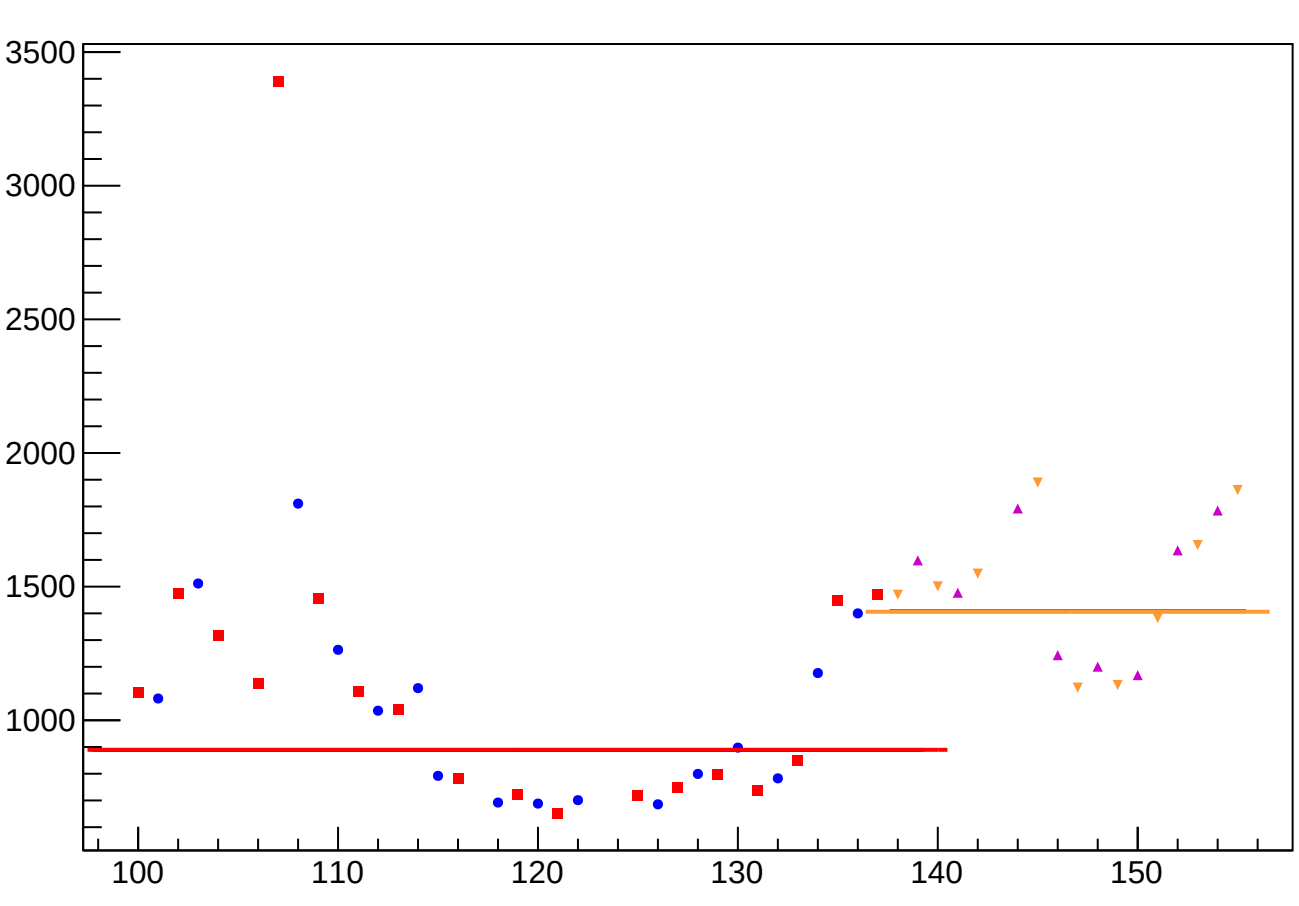
Left: -182.765+/-382.552 χ^2/NDF: 25.9/16

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

In: -35.817+/-291.132 χ^2/NDF:24.6/23

Out: 163.003+/-290.940 χ^2/NDF:47.8/26

All: 63.659+/-205.793 χ^2/NDF: 72.6/50



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

Left Out: 1406.107+/-0.383 χ^2/NDF:461900.6/8

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

Left In: 1408.256+/-0.382 χ^2/NDF:377161.0/7

Left: 1407.182+/-0.271 χ^2/NDF: 839077.4/16

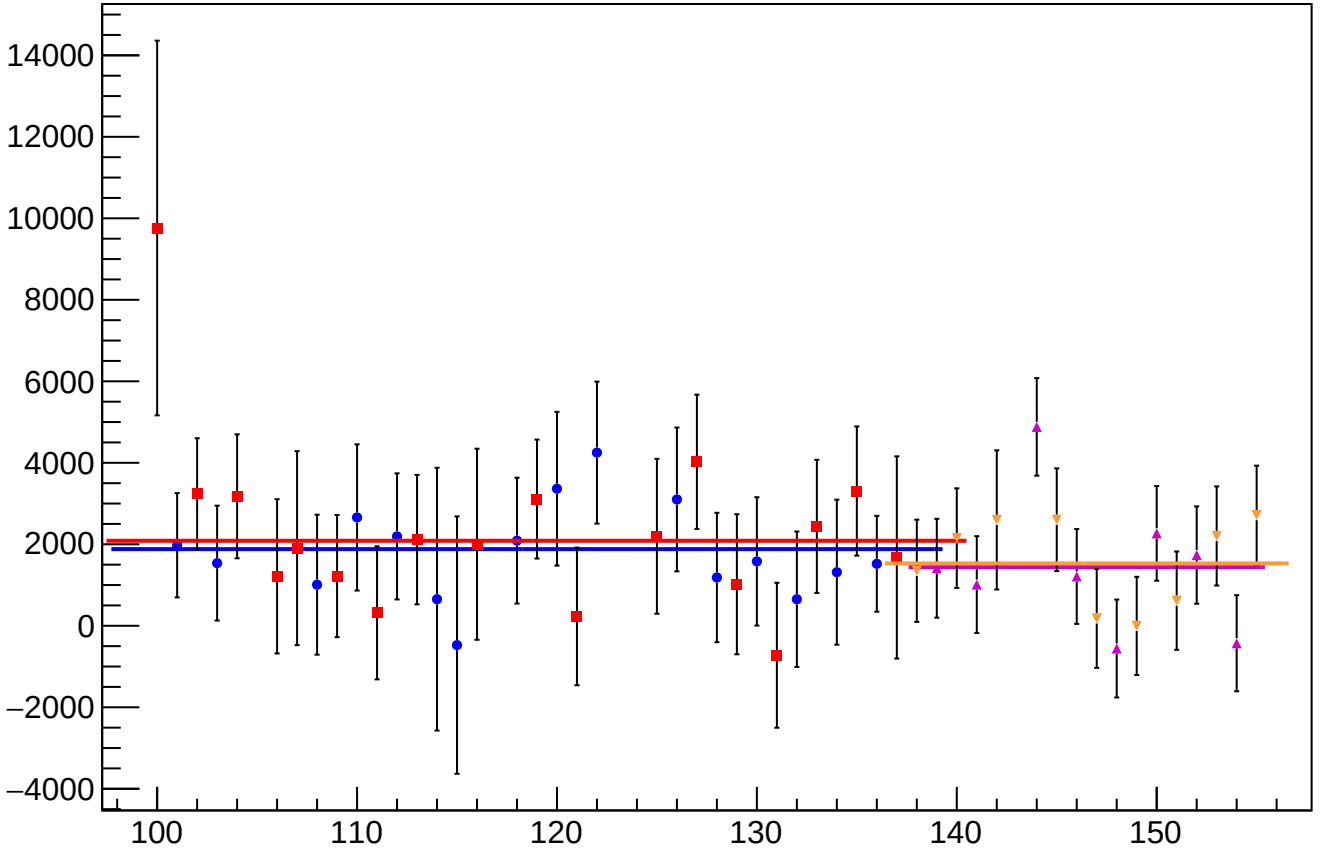
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 1038.815+/-0.206 χ^2/NDF:3103643.8/26

All: 1039.110+/-0.146 χ^2/NDF: 5923036.1/50

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1530.452+/-419.229 χ^2/NDF:6.1/8

Right Out: 2086.886+/-410.785 χ^2/NDF: 12.4/17

Left In: 1440.241+/-419.702 χ^2/NDF:14.3/7

Left: 1485.397+/-296.607 χ^2/NDF: 20.4/16

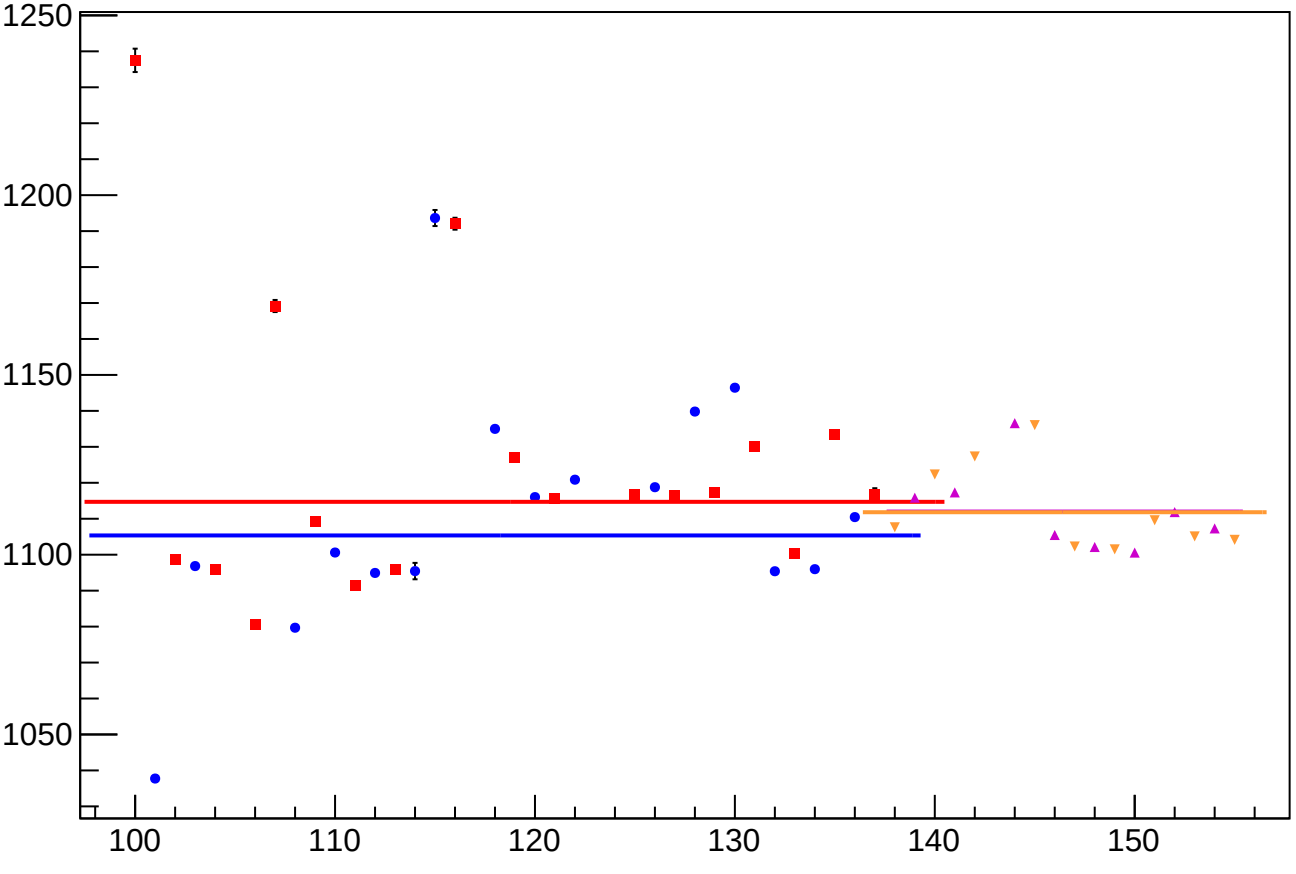
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

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

Out: 1814.329+/-293.409 χ^2/NDF:19.4/26

All: 1740.030+/-207.518 χ^2/NDF: 39.5/50

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1111.815+/-0.296 χ^2/NDF:1492.8/8

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1111.997+/-0.297 χ^2/NDF:1325.0/7

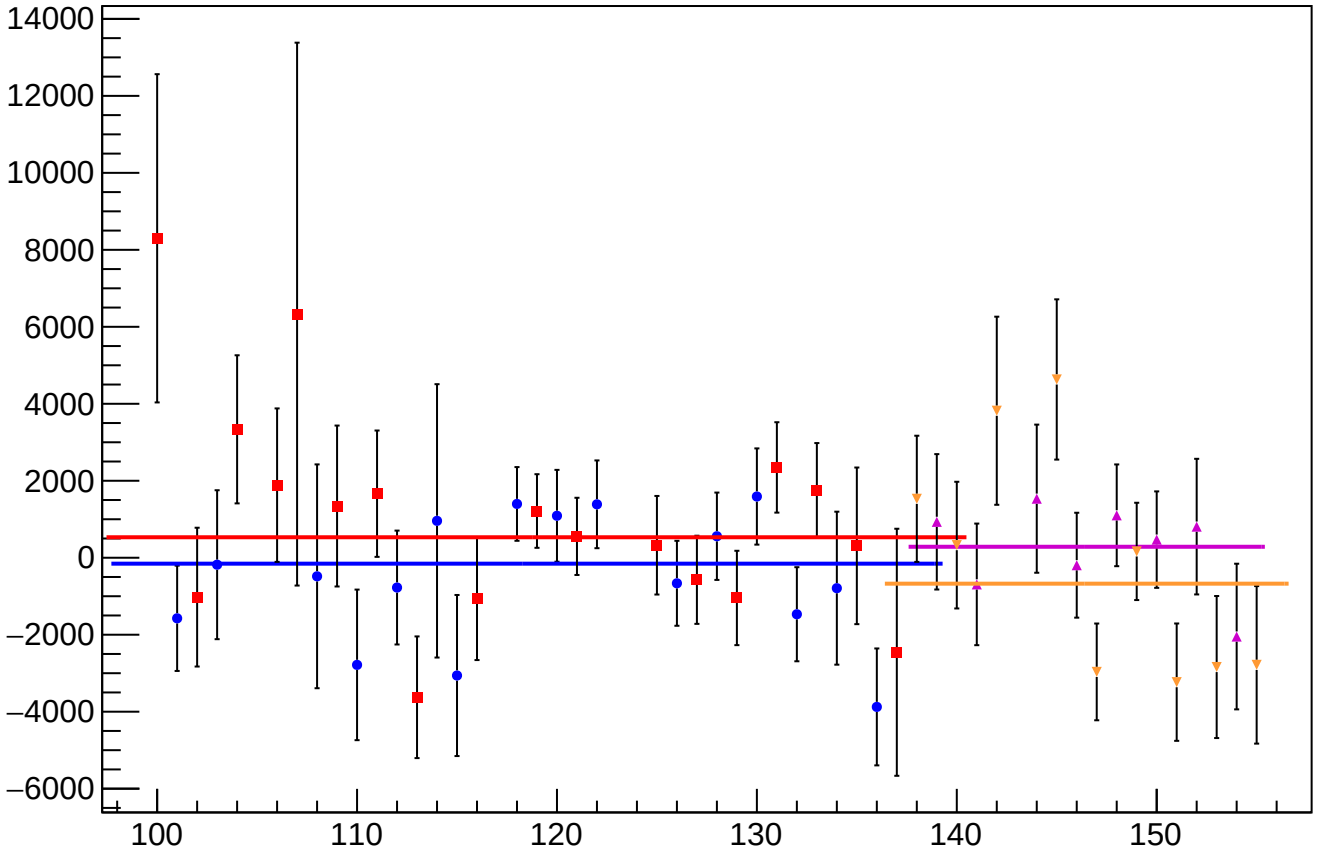
Left: 1111.906+/-0.210 χ^2/NDF: 2817.9/16

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

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

Out: 1113.289+/-0.207 χ^2/NDF:8871.6/26

All: 1110.948+/-0.147 χ^2/NDF: 22038.2/50



Right In: -153.999+/-351.318 χ^2/NDF: 20.5/15

Left Out: -673.725+/-545.423 χ^2/NDF:21.1/8

Right Out: 532.155+/-350.407 χ^2/NDF: 23.2/17

Left In: 285.222+/-546.927 χ^2/NDF:3.1/7

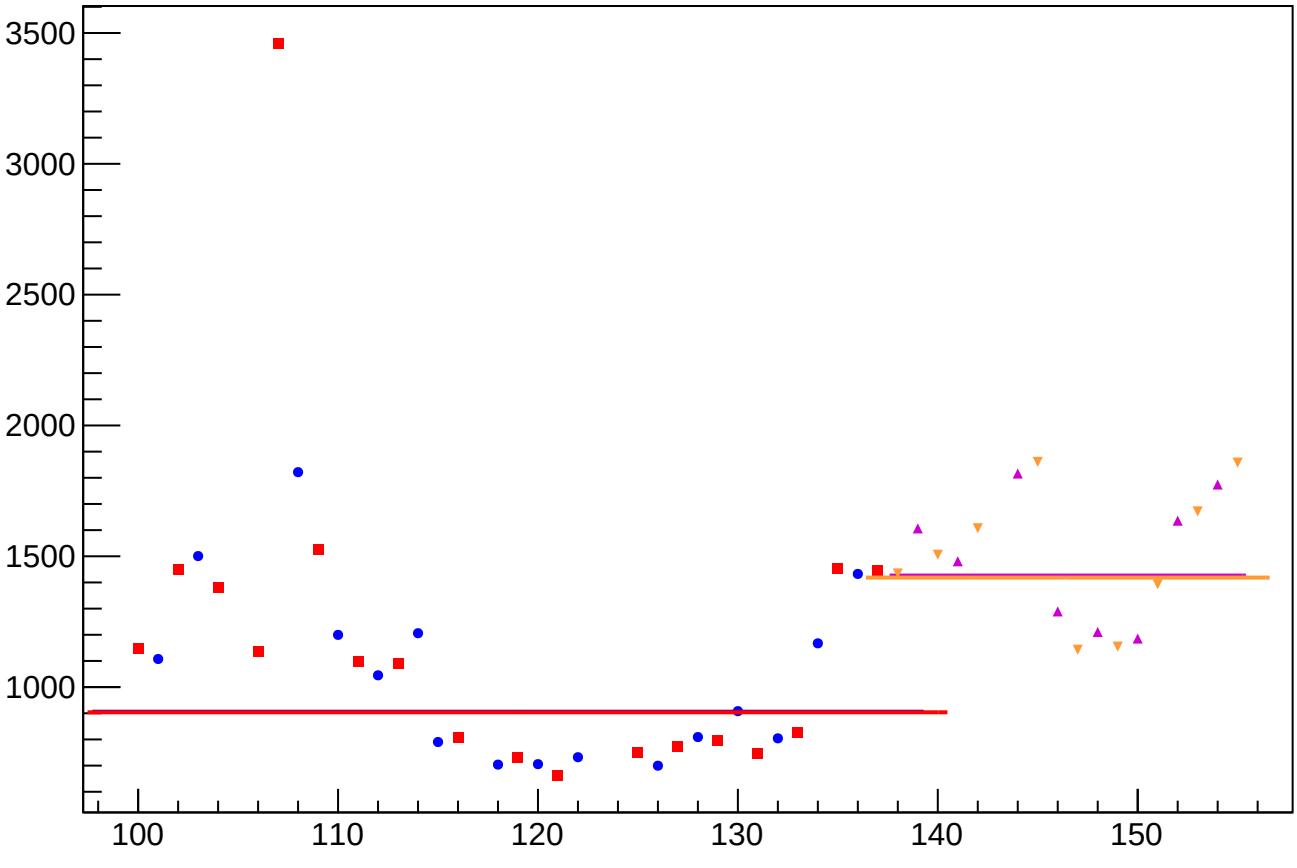
Left: -195.572+/-386.203 χ^2/NDF: 25.7/16

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

In: -25.706+/-295.589 χ^2/NDF:24.0/23

Out: 179.849+/-294.809 χ^2/NDF:47.8/26

All: 77.343+/-208.737 χ^2/NDF: 72.0/50



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1418.609+/-0.386 χ^2/NDF:421792.7/8

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1426.303+/-0.387 χ^2/NDF:348783.8/7

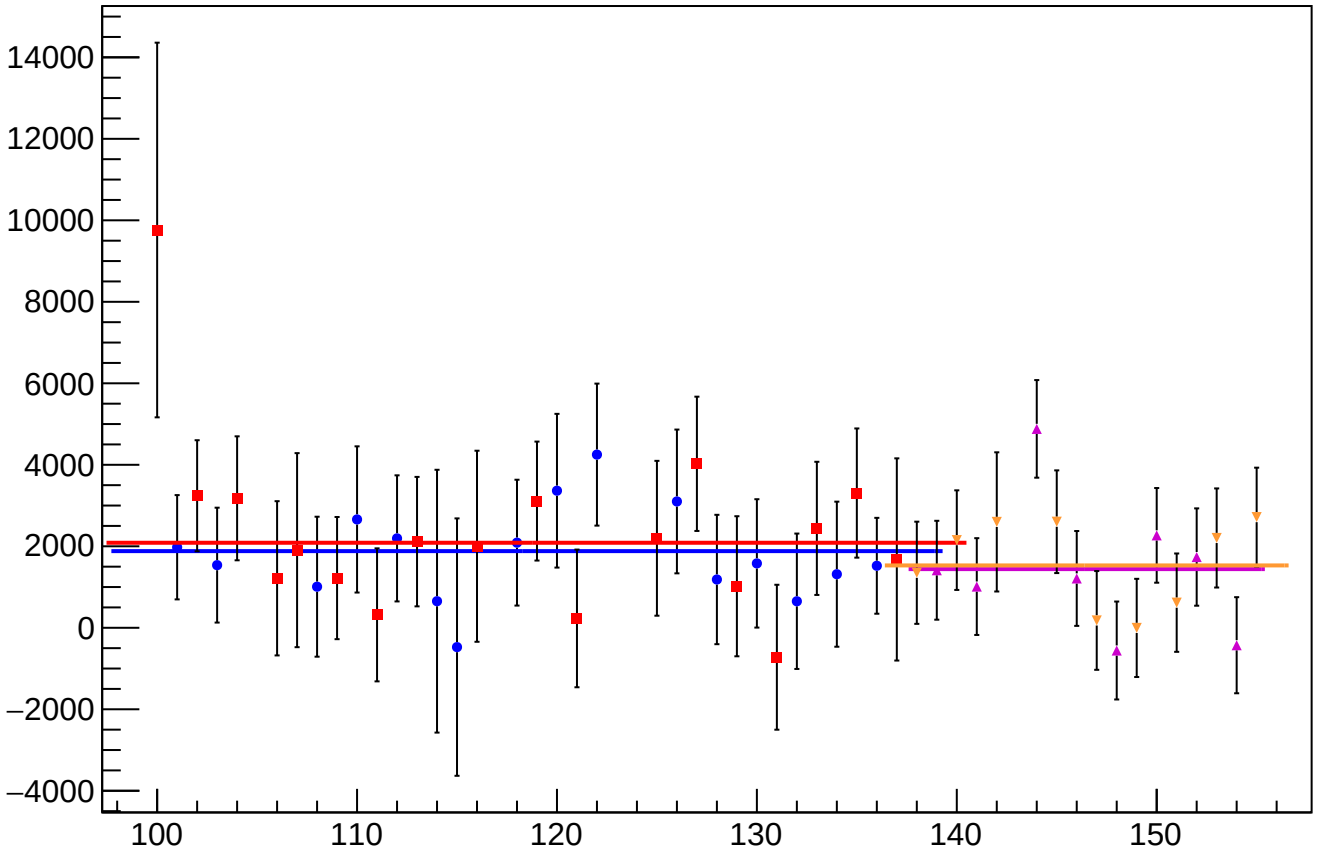
Left: 1422.446+/-0.273 χ^2/NDF: 770775.0/16

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

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

Out: 1054.172+/-0.208 χ^2/NDF:3023230.6/26

All: 1056.082+/-0.148 χ^2/NDF: 5732773.0/50



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1530.446+/-419.229 χ^2/NDF:6.1/8

Right Out: 2086.884+/-410.785 χ^2/NDF: 12.4/17

Left In: 1440.243+/-419.702 χ^2/NDF:14.3/7

Left: 1485.395+/-296.607 χ^2/NDF: 20.4/16

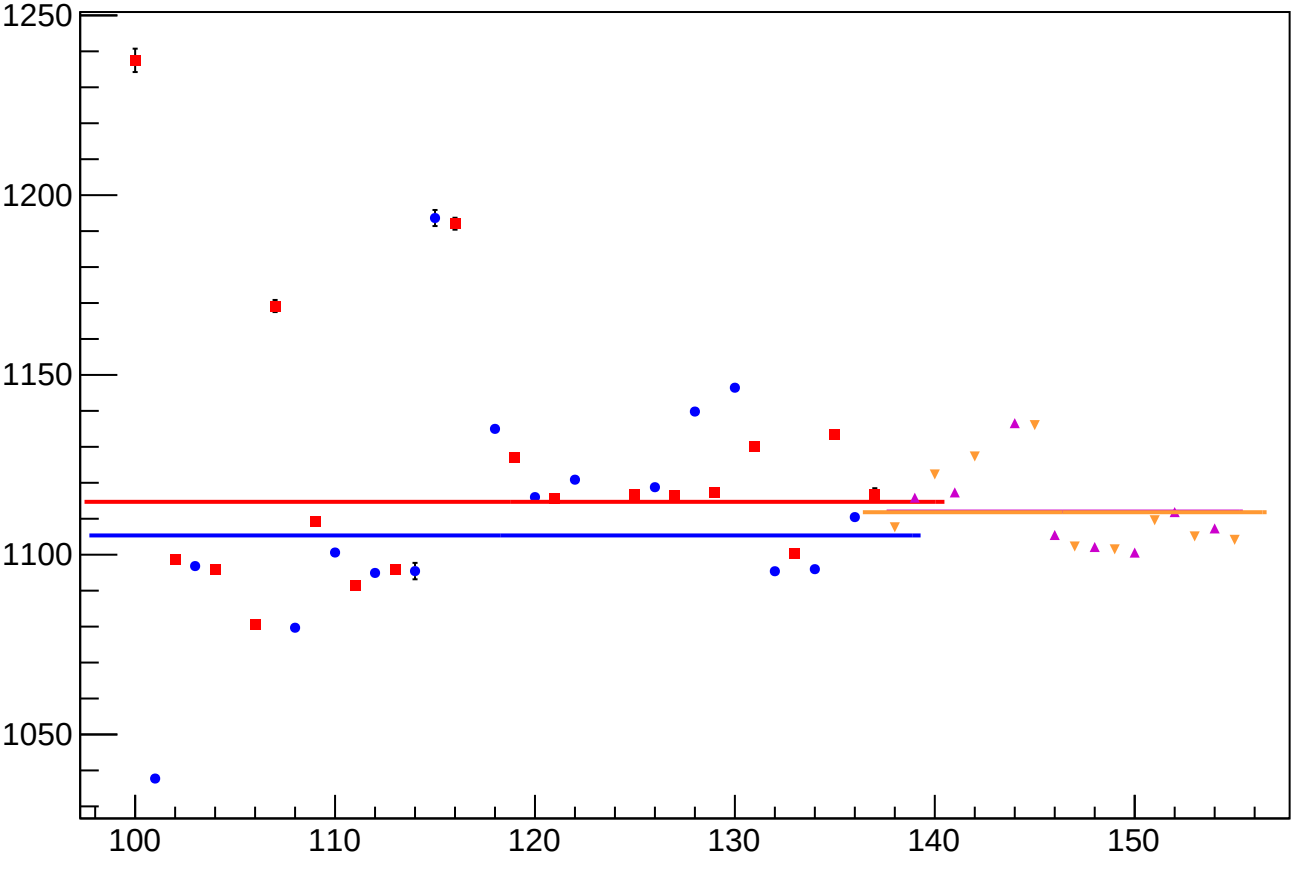
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

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

Out: 1814.325+/-293.409 χ^2/NDF:19.4/26

All: 1740.029+/-207.518 χ^2/NDF: 39.5/50

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1111.815+/-0.296 χ^2/NDF:1492.8/8

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1111.997+/-0.297 χ^2/NDF:1325.0/7

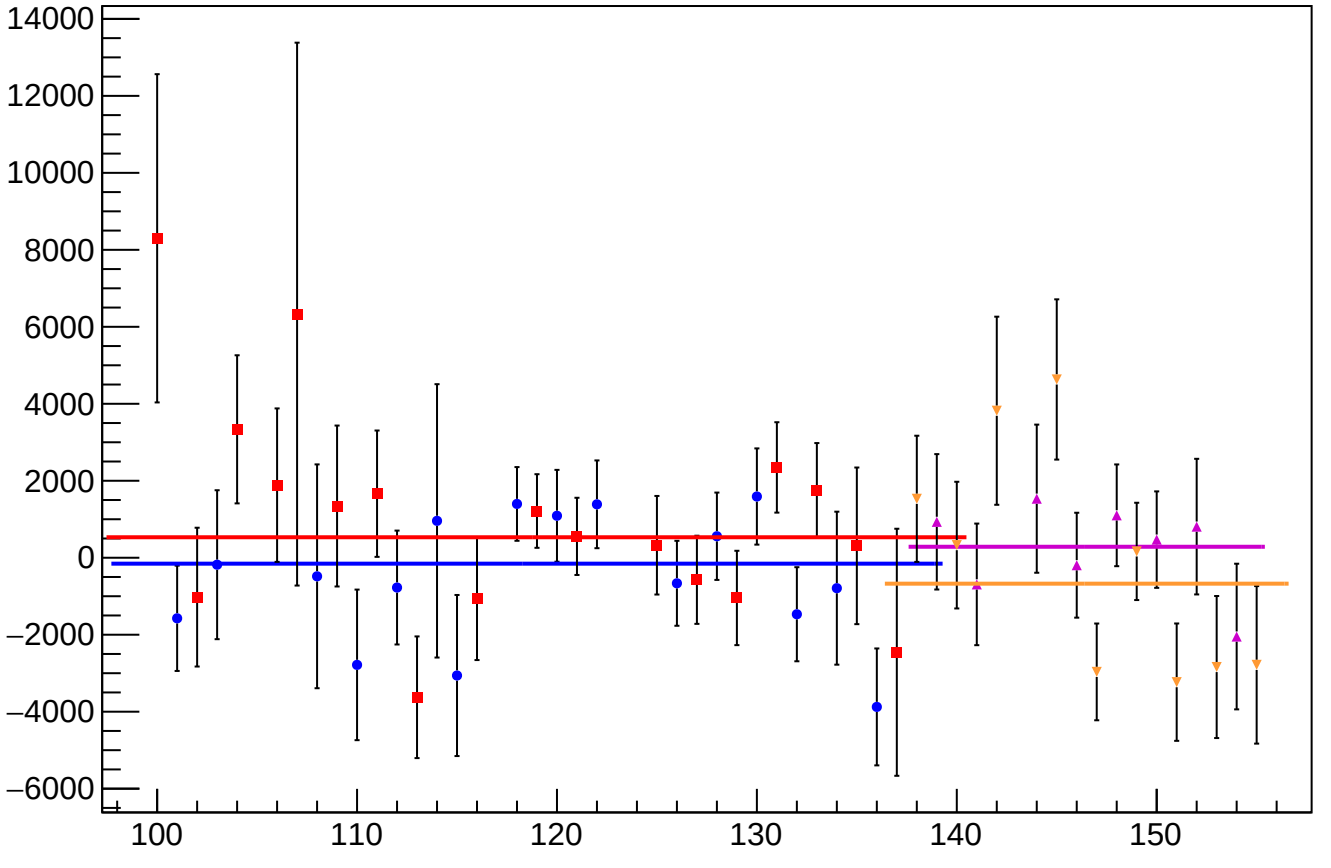
Left: 1111.906+/-0.210 χ^2/NDF: 2817.9/16

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

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

Out: 1113.289+/-0.207 χ^2/NDF:8871.5/26

All: 1110.948+/-0.147 χ^2/NDF: 22038.1/50



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -673.731+/-545.424 χ^2/NDF:21.1/8

Right Out: 532.154+/-350.406 χ^2/NDF: 23.2/17

Left In: 285.224+/-546.928 χ^2/NDF:3.1/7

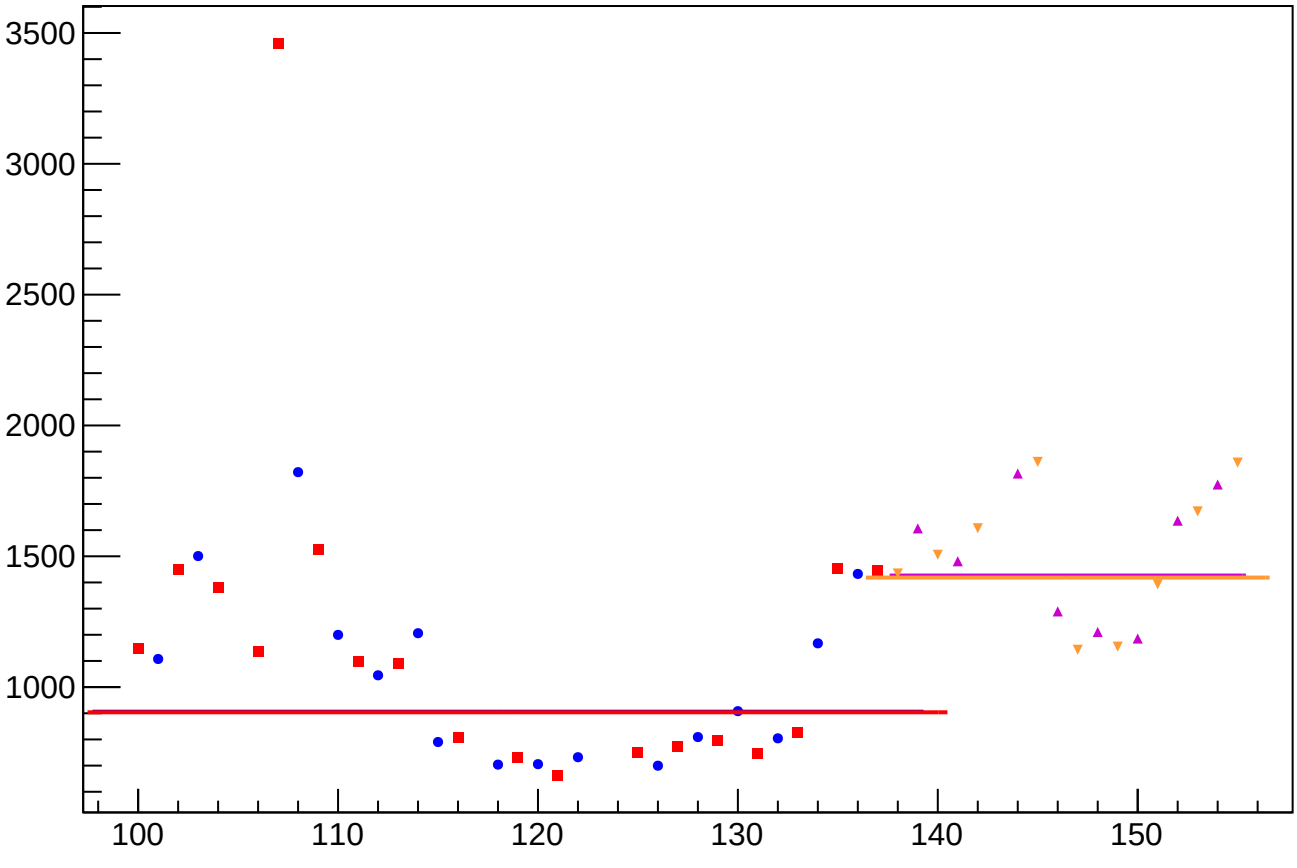
Left: -195.574+/-386.203 χ^2/NDF: 25.7/16

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

In: -25.706+/-295.589 χ^2/NDF:24.0/23

Out: 179.849+/-294.809 χ^2/NDF:47.8/26

All: 77.343+/-208.737 χ^2/NDF: 72.0/50



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1418.612+/-0.386 χ^2/NDF:421790.9/8

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1426.305+/-0.387 χ^2/NDF:348781.3/7

Left: 1422.448+/-0.273 χ^2/NDF: 770770.6/16

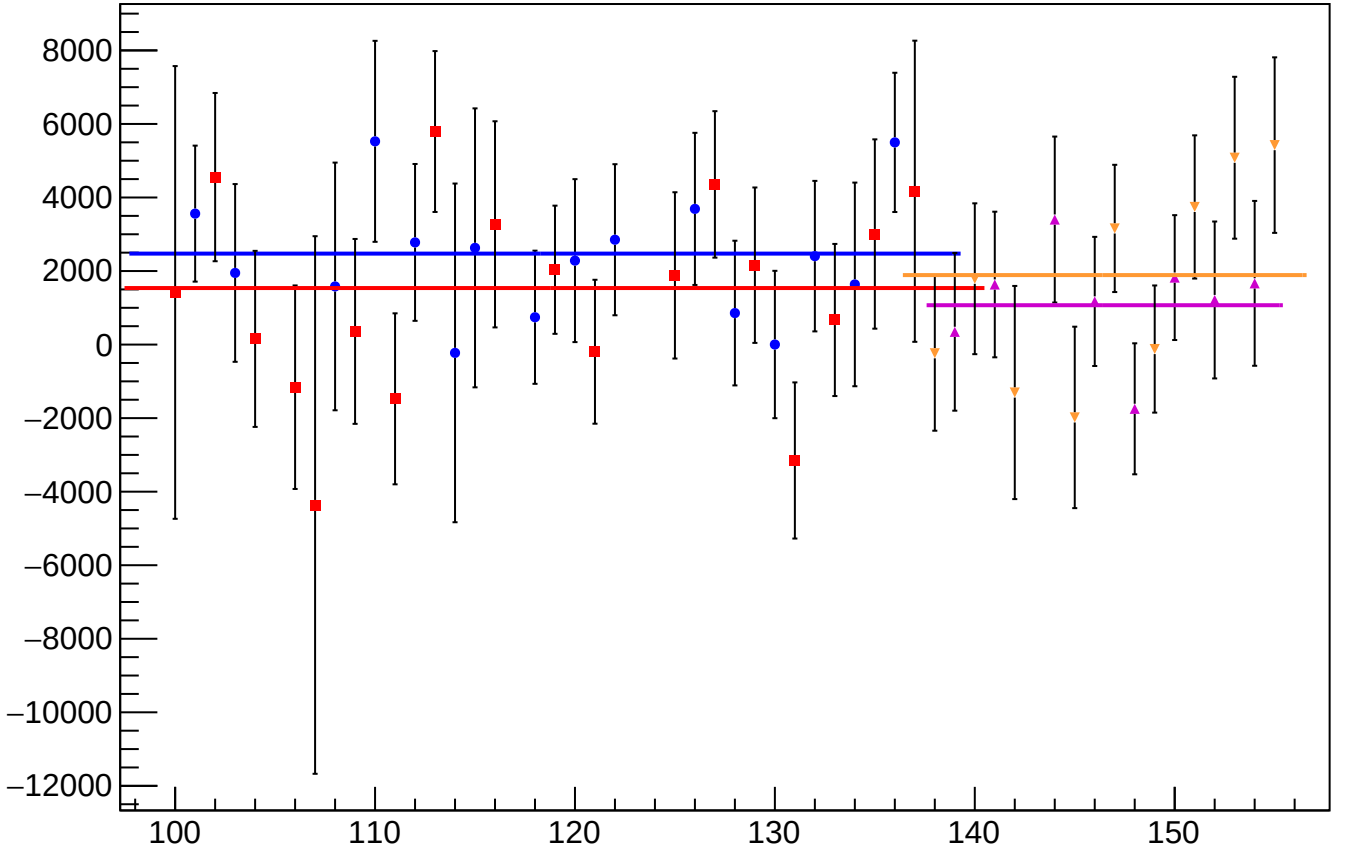
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

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

Out: 1054.170+/-0.208 χ^2/NDF:3023252.4/26

All: 1056.080+/-0.148 χ^2/NDF: 5732816.2/50

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 1889.890+/-696.625 χ^2/NDF:11.8/8

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1070.554+/-694.404 χ^2/NDF:4.0/7

Left: 1478.914+/-491.801 χ^2/NDF: 16.5/16

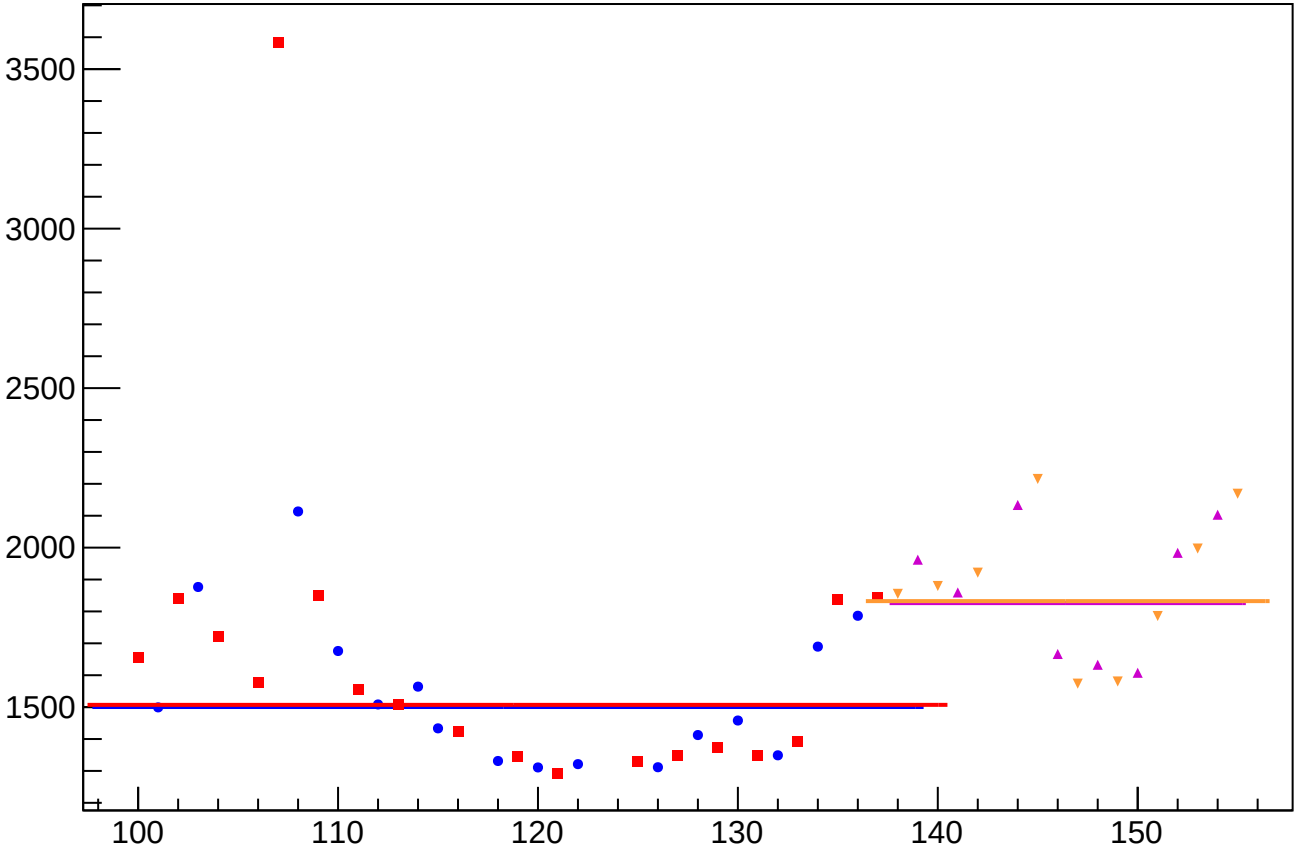
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

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

Out: 1676.856+/-438.138 χ^2/NDF:30.5/26

All: 1797.499+/-309.488 χ^2/NDF: 45.3/50

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1832.313+/-0.493 χ^2/NDF:190707.6/8

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1826.081+/-0.491 χ^2/NDF:160414.9/7

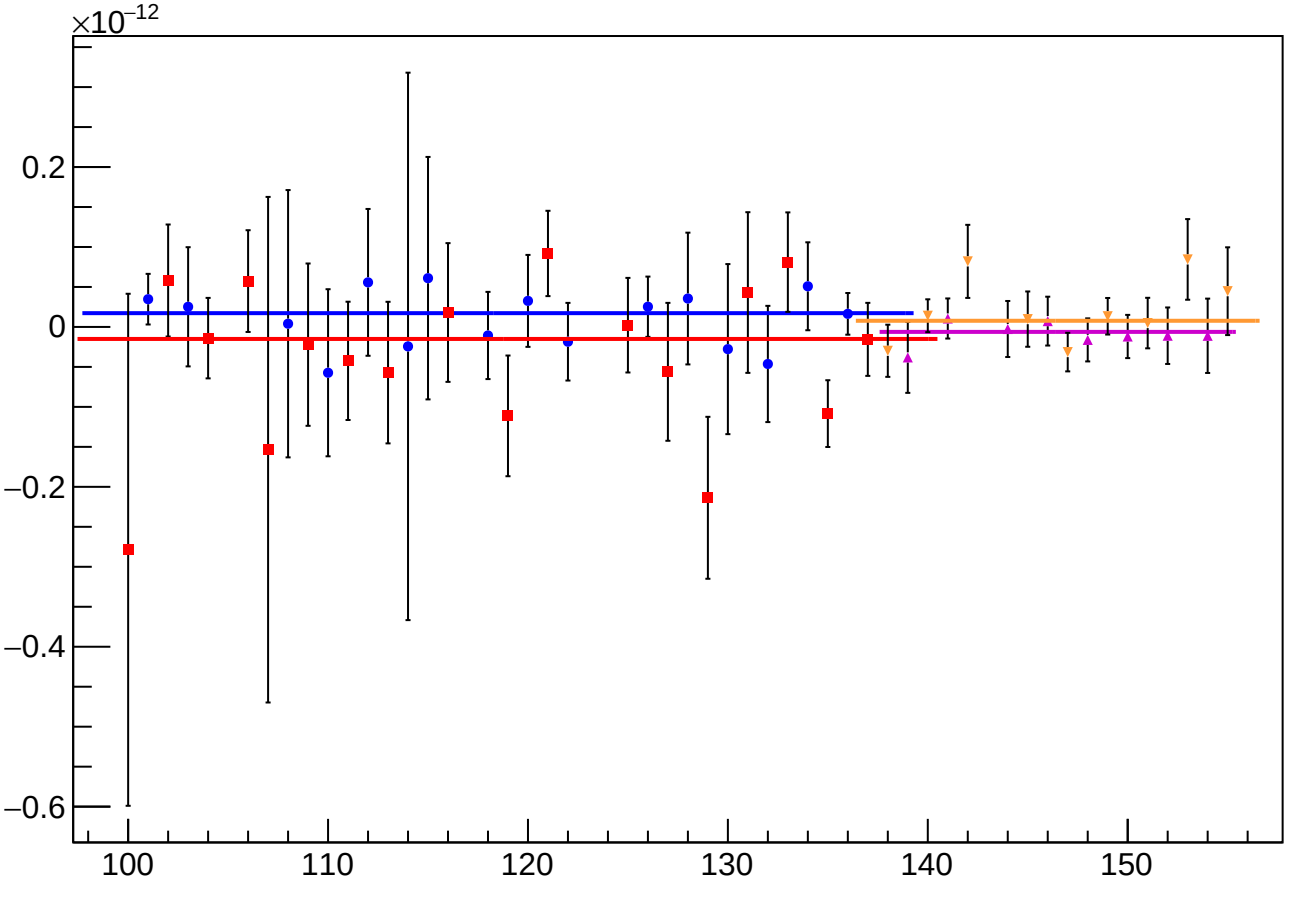
Left: 1829.187+/-0.348 χ^2/NDF: 351202.8/16

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

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

Out: 1635.743+/-0.310 χ^2/NDF:855398.7/26

All: 1632.616+/-0.219 χ^2/NDF: 1540369.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/8

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:1.4/7

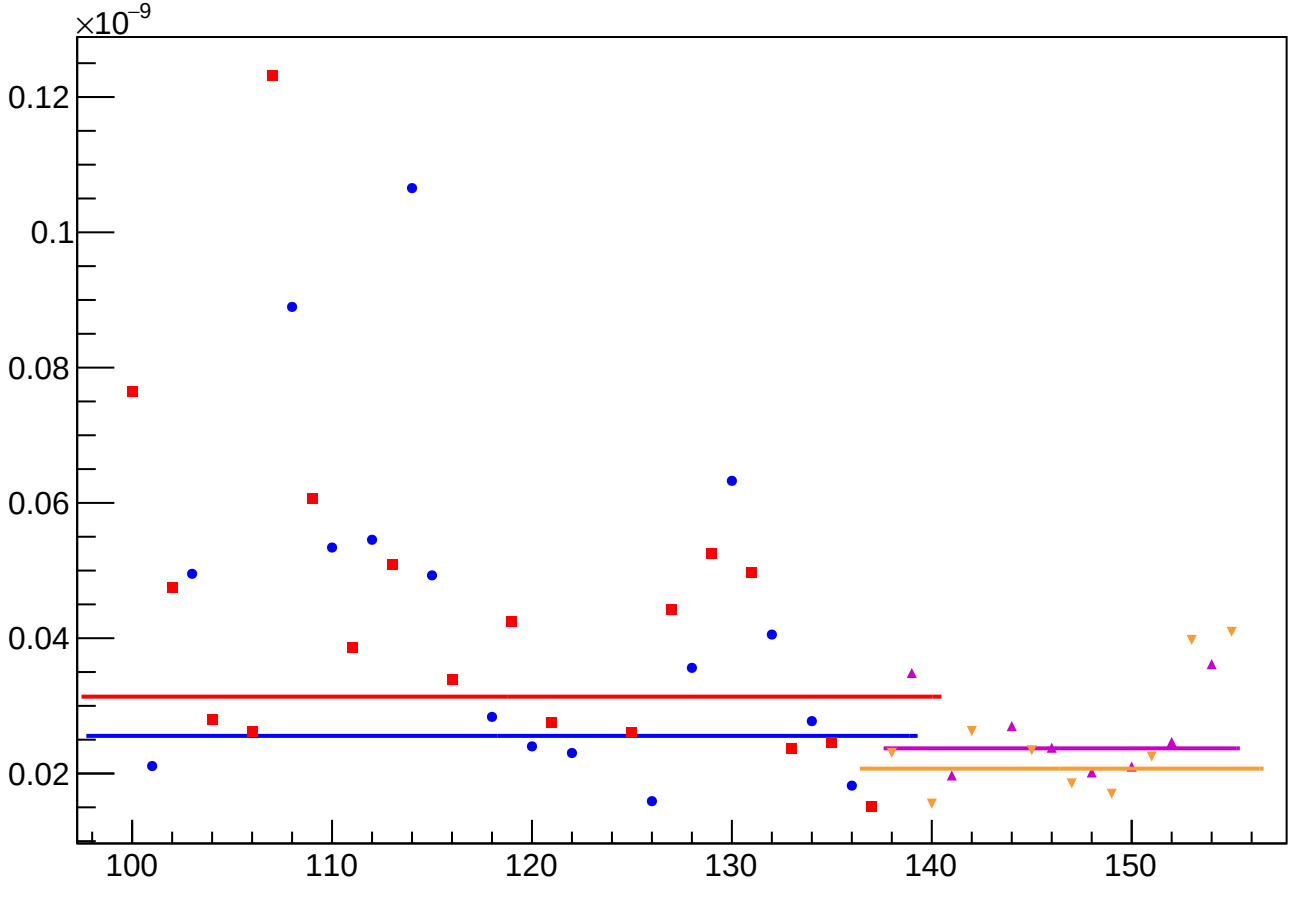
Left: 0.000+/-0.000 χ^2/NDF: 11.8/16

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:6.6/23

Out: 0.000+/-0.000 χ^2/NDF:32.3/26

All: 0.000+/-0.000 χ^2/NDF: 38.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:810558.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:394658.0/7

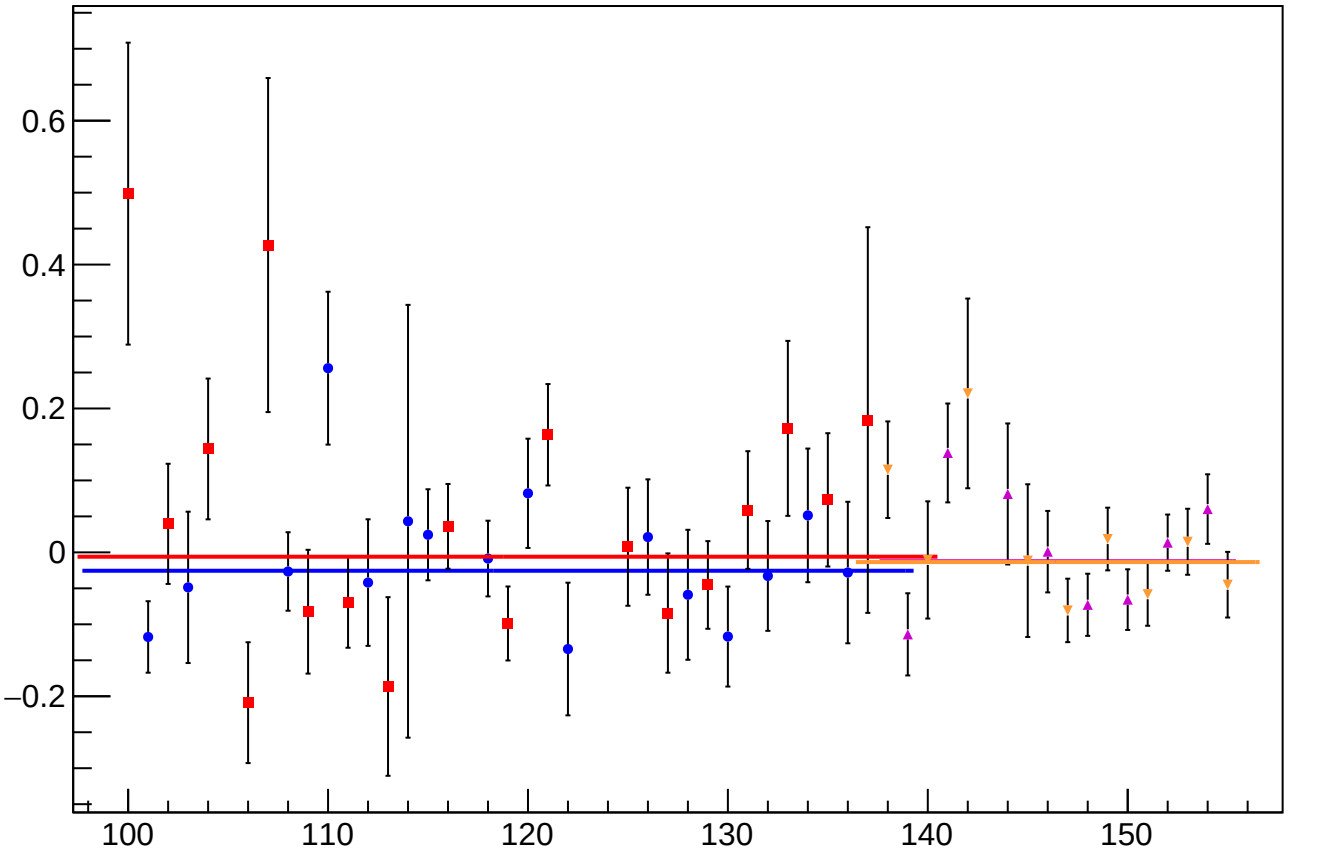
Left: 0.000+/-0.000 χ^2/NDF: 1285042.6/16

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

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

Out: 0.000+/-0.000 χ^2/NDF:2669174.6/26

All: 0.000+/-0.000 χ^2/NDF: 4801980.4/50



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.013+/-0.018 χ^2/NDF:11.6/8

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

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

Left: -0.013+/-0.013 χ^2/NDF: 26.8/16

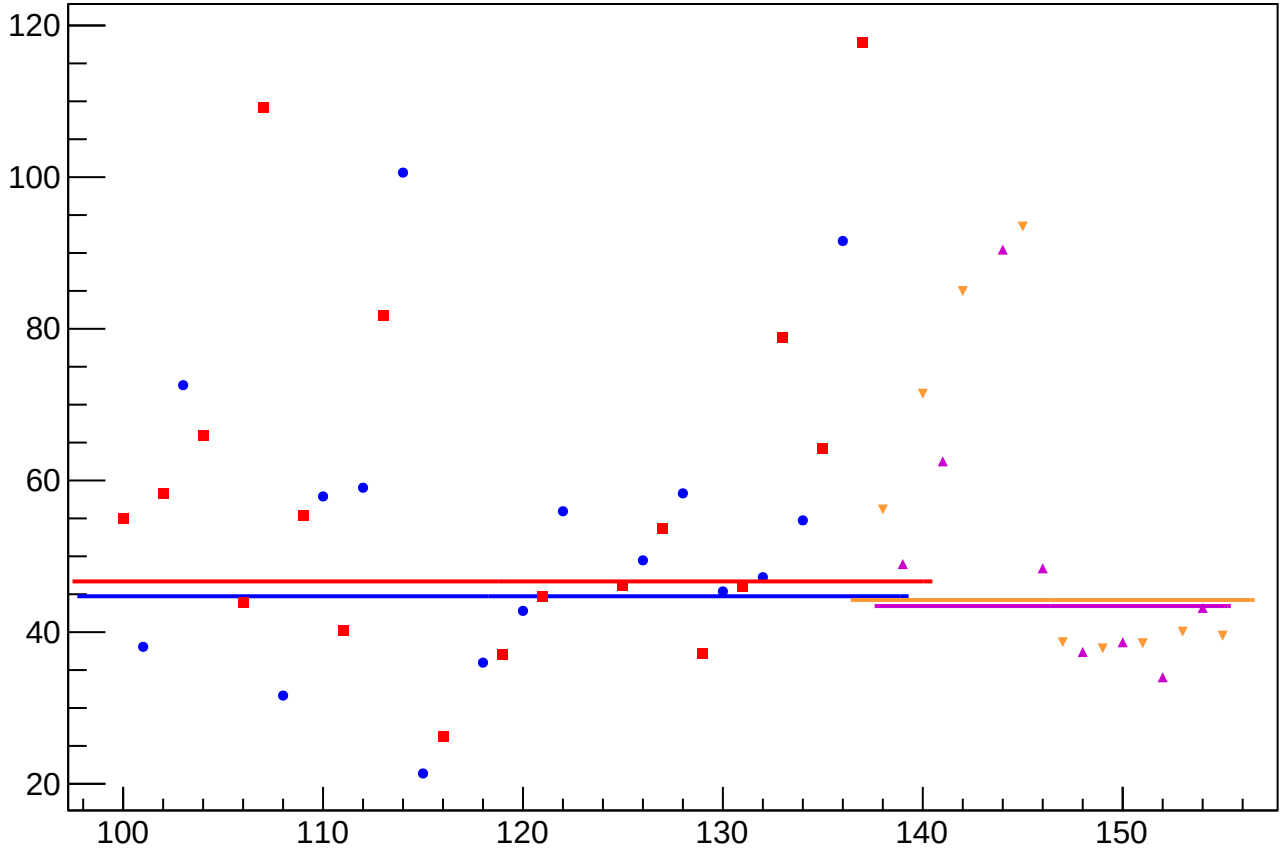
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.019+/-0.013 χ^2/NDF:33.1/23

Out: -0.010+/-0.013 χ^2/NDF:48.2/26

All: -0.014+/-0.009 χ^2/NDF: 81.5/50

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: 44.240+/-0.013 χ^2/NDF:1053907.7/8

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 43.440+/-0.013 χ^2/NDF:829237.6/7

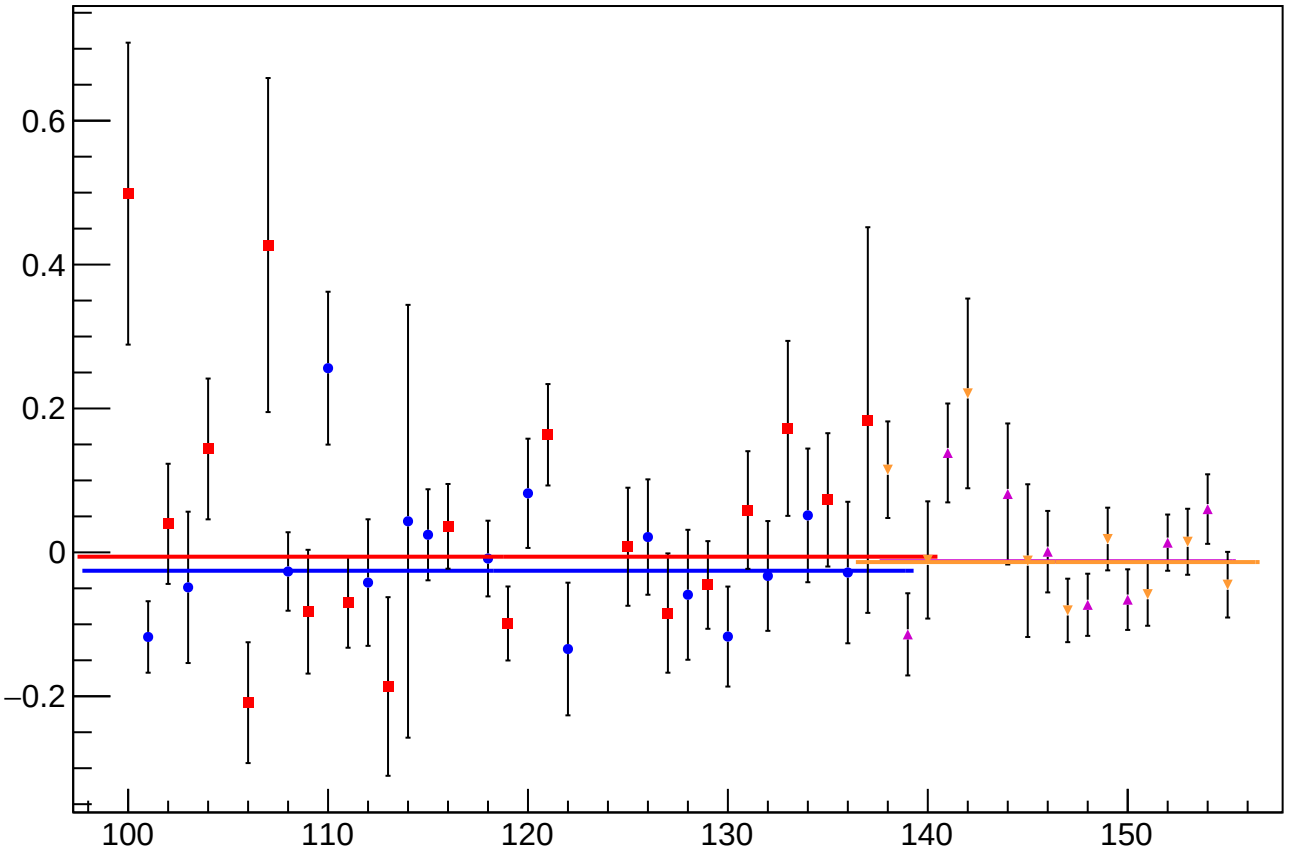
Left: 43.835+/-0.009 χ^2/NDF: 1885112.9/16

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

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

Out: 45.384+/-0.009 χ^2/NDF:2266397.1/26

All: 44.705+/-0.007 χ^2/NDF: 4445415.1/50



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.013+/-0.018 χ^2/NDF:11.6/8

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

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

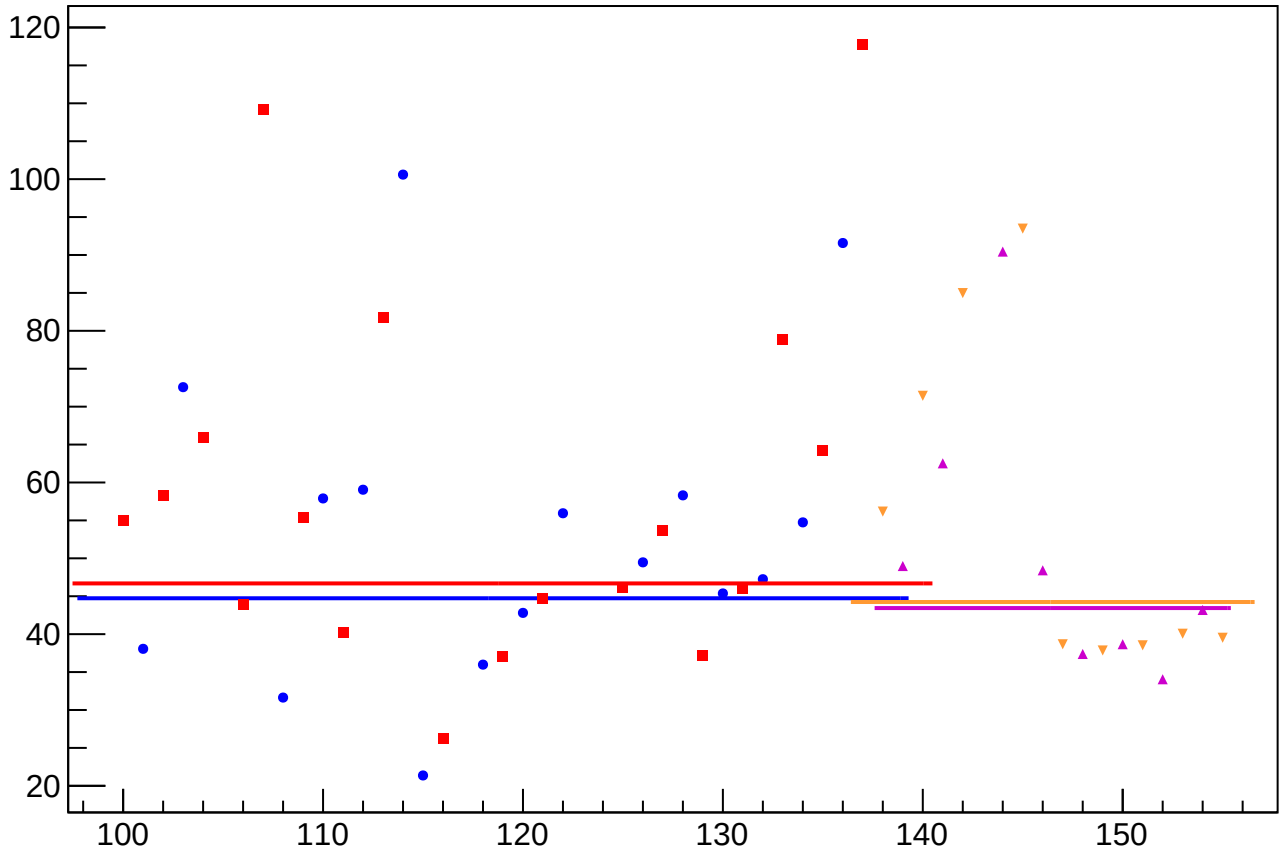
Left: -0.013+/-0.013 χ^2/NDF: 26.8/16

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

In: -0.019+/-0.013 χ^2/NDF:33.1/23

Out: -0.010+/-0.013 χ^2/NDF:48.2/26

All: -0.014+/-0.009 χ^2/NDF: 81.5/50



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 44.240+/-0.013 χ^2/NDF:1053907.7/8

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 43.440+/-0.013 χ^2/NDF:829237.6/7

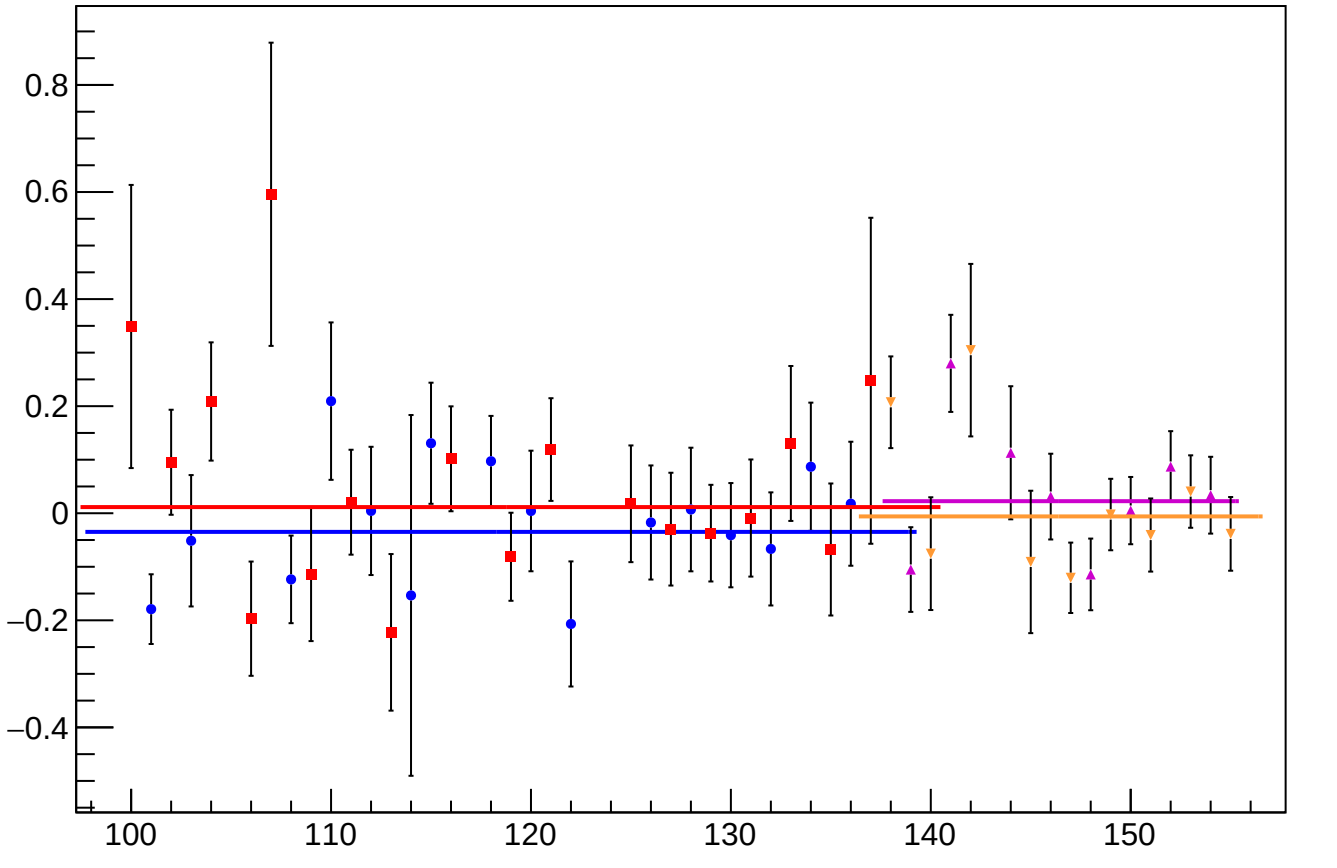
Left: 43.835+/-0.009 χ^2/NDF: 1885112.9/16

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

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

Out: 45.384+/-0.009 χ^2/NDF:2266397.1/26

All: 44.705+/-0.007 χ^2/NDF: 4445415.1/50



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.006+/-0.027 χ^2/NDF:14.8/8

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.023+/-0.027 χ^2/NDF:16.4/7

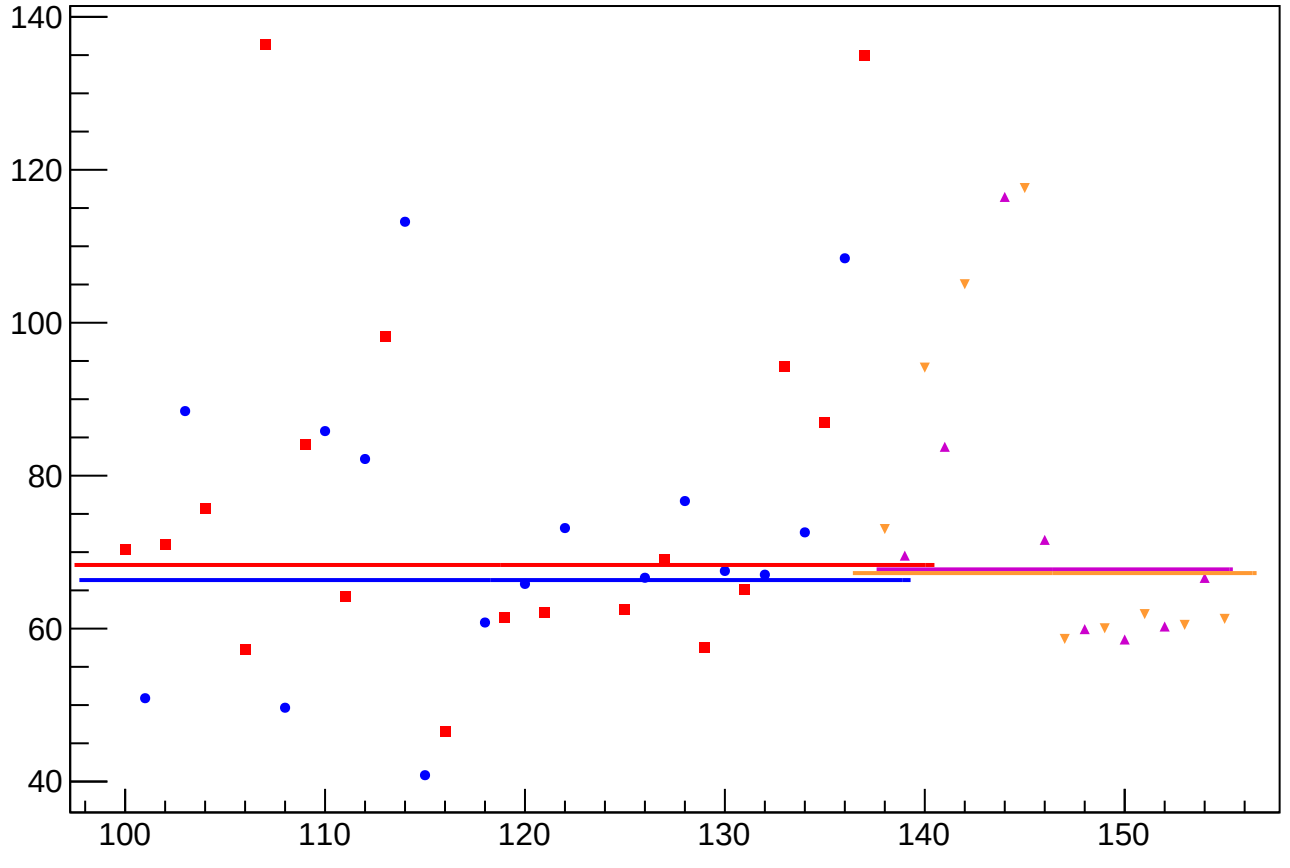
Left: 0.008+/-0.019 χ^2/NDF: 31.8/16

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

In: -0.007+/-0.019 χ^2/NDF:36.2/23

Out: 0.003+/-0.019 χ^2/NDF:37.7/26

All: -0.002+/-0.013 χ^2/NDF: 74.1/50



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 67.261+/-0.019 χ^2/NDF:641142.8/8

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 67.746+/-0.019 χ^2/NDF:471206.7/7

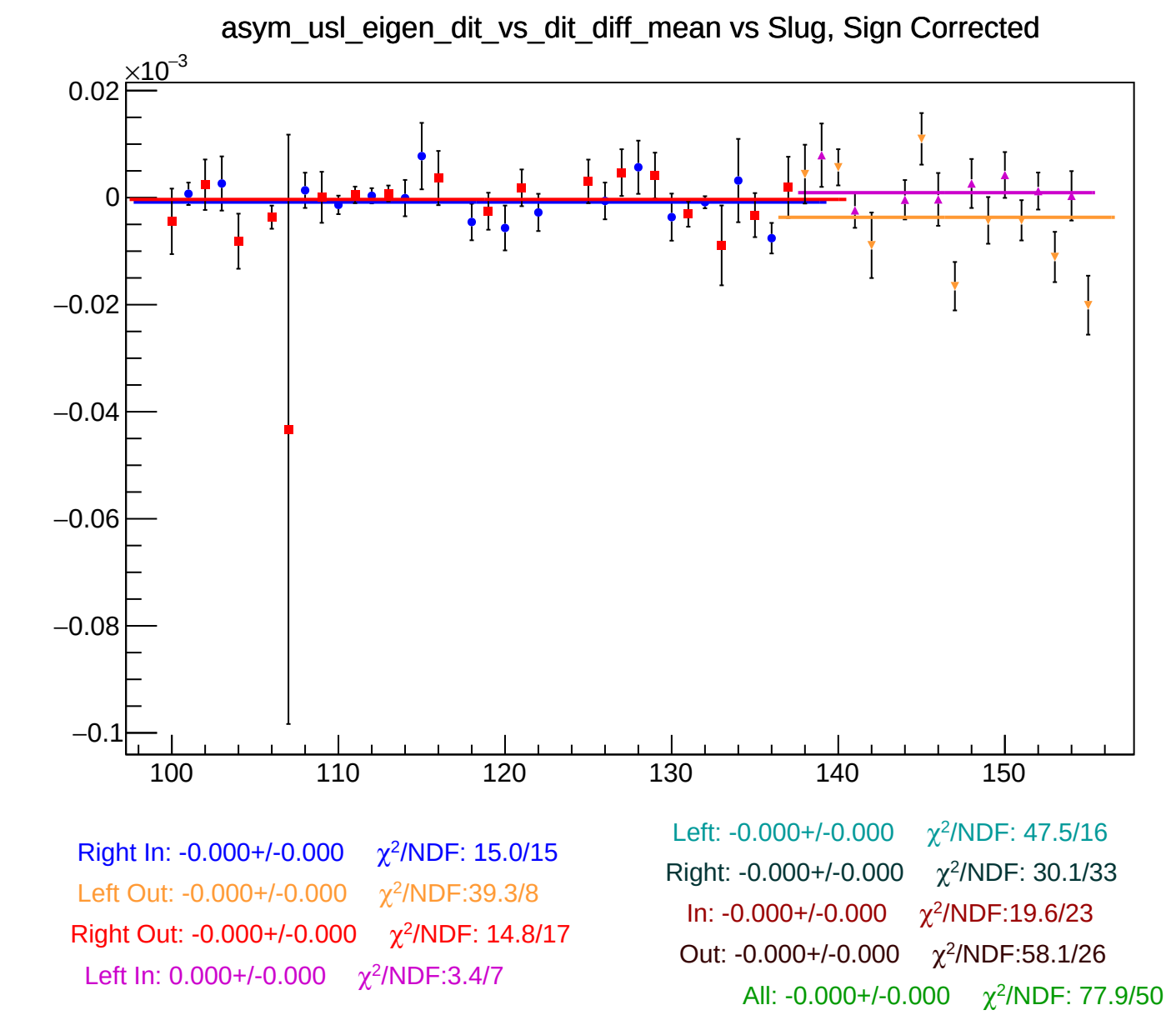
Left: 67.502+/-0.013 χ^2/NDF: 1112682.0/16

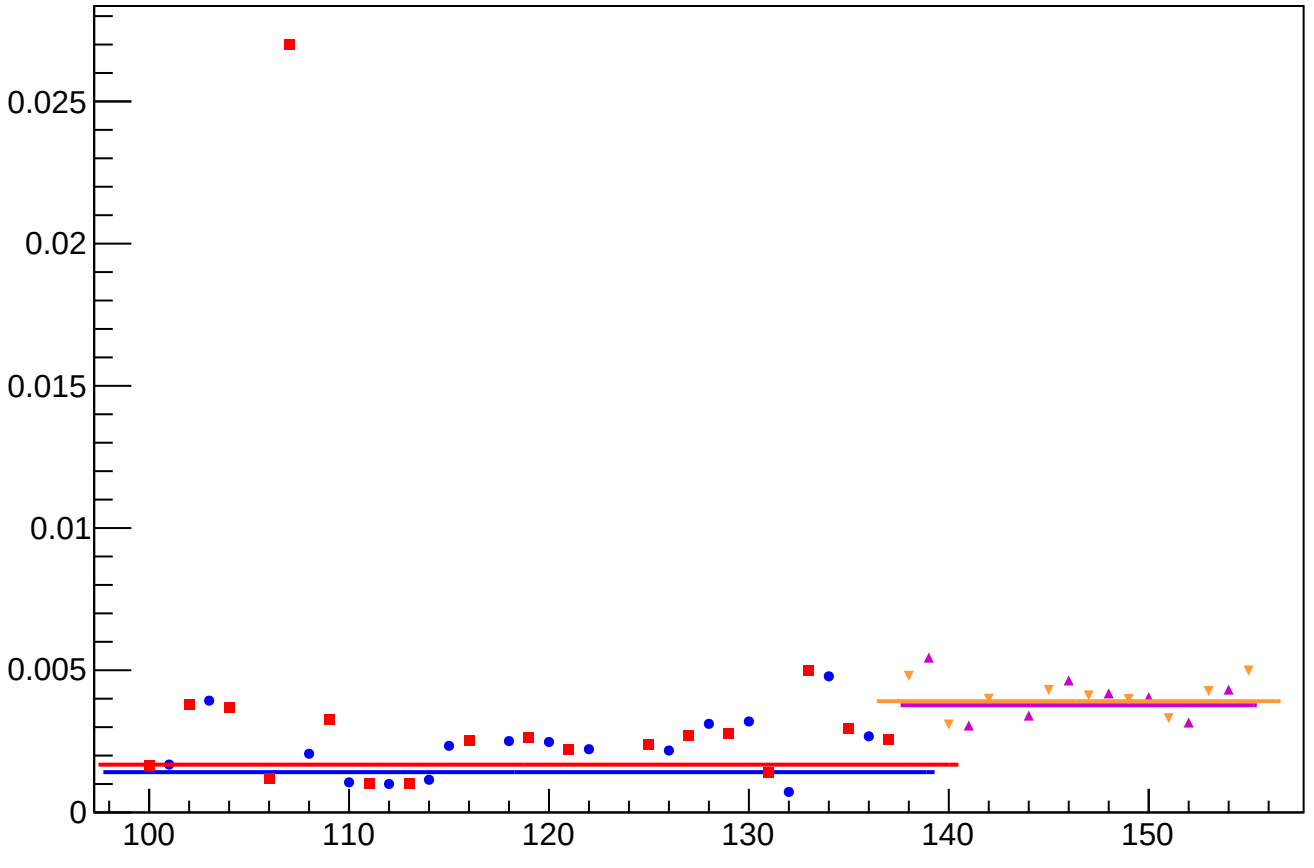
Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

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

Out: 67.784+/-0.013 χ^2/NDF:1272391.1/26

All: 67.407+/-0.009 χ^2/NDF: 2520617.0/50


asym_usl_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:39.3/8
Right Out: -0.000+/-0.000 χ²/NDF: 14.8/17
Left In: 0.000+/-0.000 χ²/NDF:3.4/7
Left: -0.000+/-0.000 χ²/NDF: 47.5/16
Right: -0.000+/-0.000 χ²/NDF: 30.1/33
In: -0.000+/-0.000 χ²/NDF:19.6/23
Out: -0.000+/-0.000 χ²/NDF:58.1/26
All: -0.000+/-0.000 χ²/NDF: 77.9/50



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:327133.2/8

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.004+/-0.000 χ^2/NDF:452746.3/7

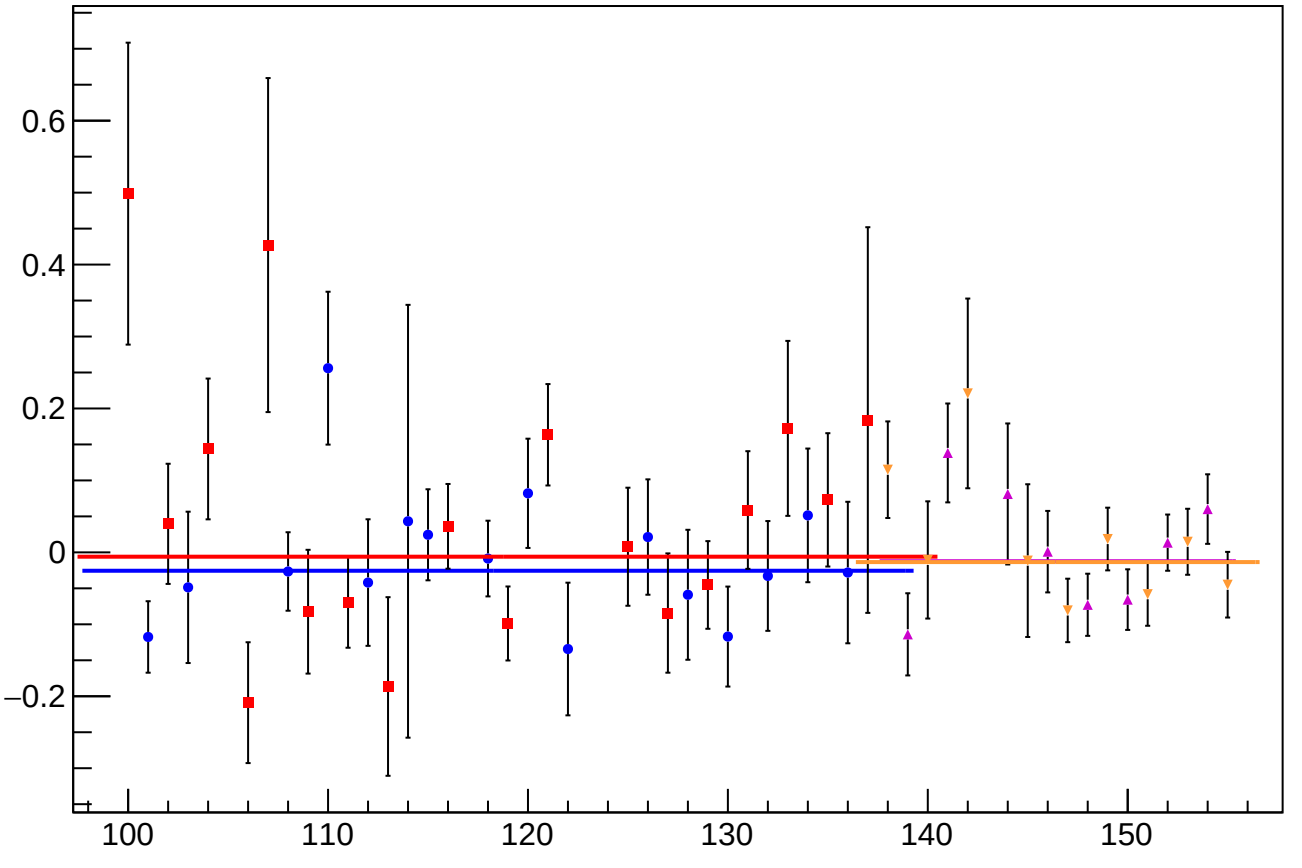
Left: 0.004+/-0.000 χ^2/NDF: 788889.3/16

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

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

Out: 0.002+/-0.000 χ^2/NDF:7314684.3/26

All: 0.002+/-0.000 χ^2/NDF: 16020067.1/50



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.013+/-0.018 χ^2/NDF:11.6/8

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

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

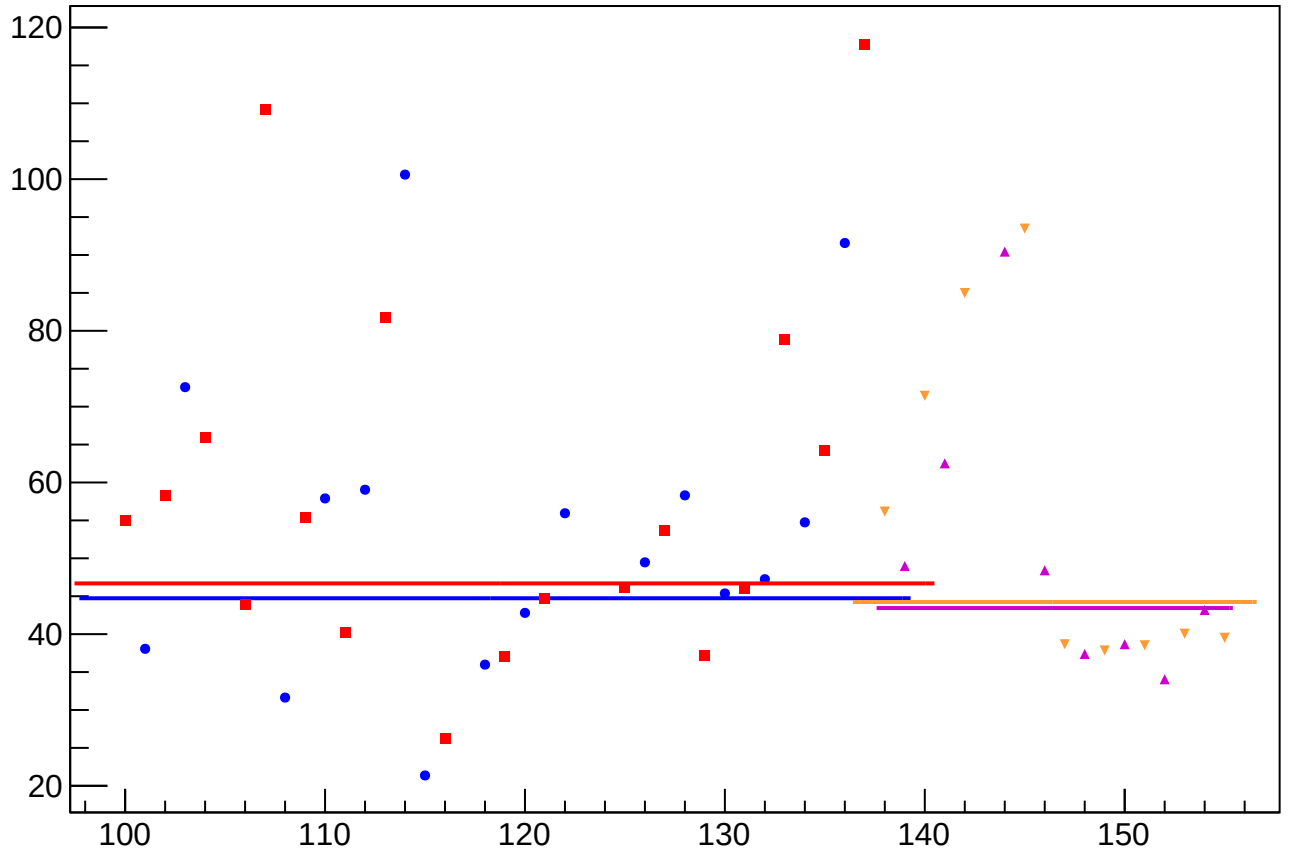
Left: -0.013+/-0.013 χ^2/NDF: 26.8/16

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

In: -0.019+/-0.013 χ^2/NDF:33.1/23

Out: -0.010+/-0.013 χ^2/NDF:48.2/26

All: -0.014+/-0.009 χ^2/NDF: 81.5/50



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.240+/-0.013 χ^2/NDF:1053863.4/8

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.440+/-0.013 χ^2/NDF:829216.5/7

Left: 43.835+/-0.009 χ^2/NDF: 1885047.4/16

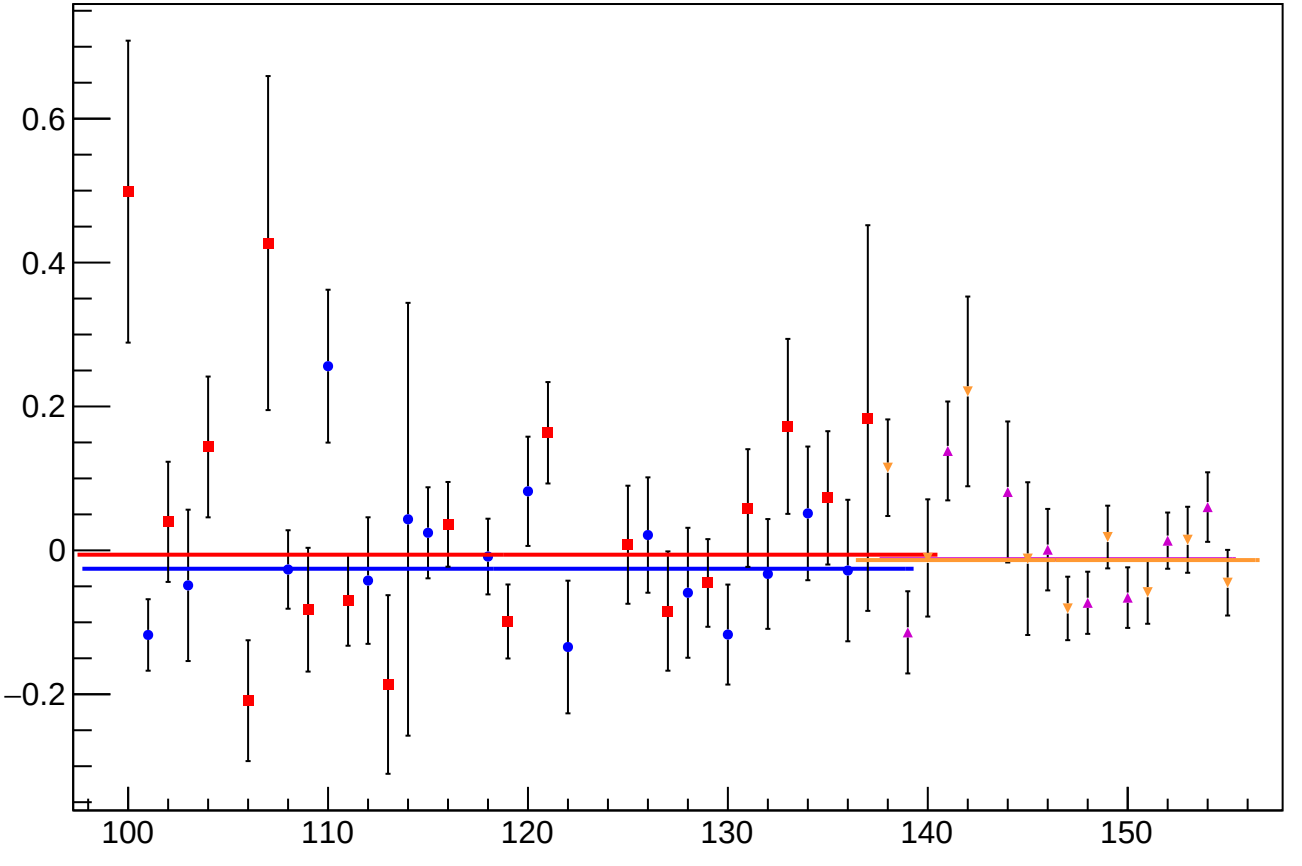
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

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

Out: 45.384+/-0.009 χ^2/NDF:2266373.9/26

All: 44.705+/-0.007 χ^2/NDF: 4445423.0/50

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.013+/-0.018 χ^2/NDF:11.6/8

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

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

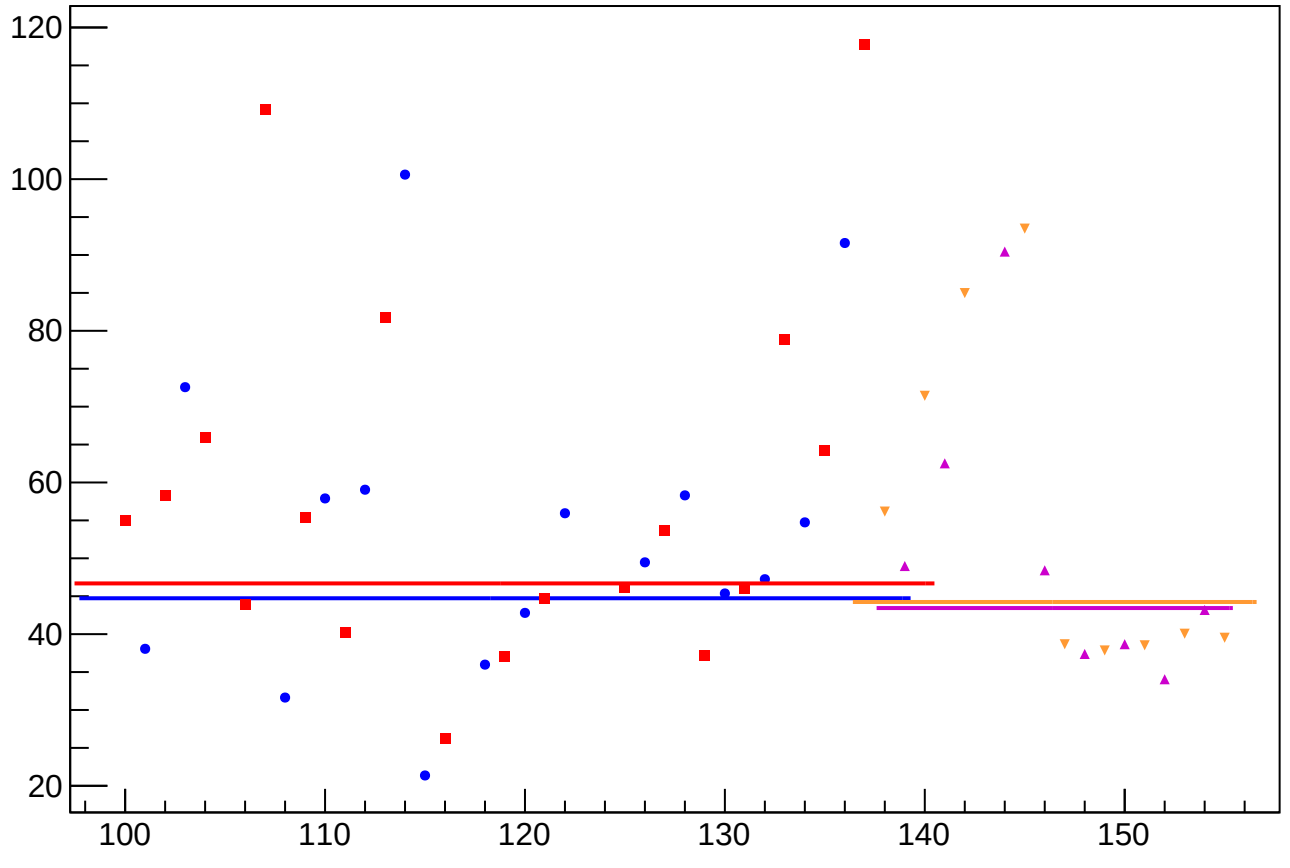
Left: -0.013+/-0.013 χ^2/NDF: 26.8/16

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

In: -0.019+/-0.013 χ^2/NDF:33.1/23

Out: -0.010+/-0.013 χ^2/NDF:48.2/26

All: -0.014+/-0.009 χ^2/NDF: 81.5/50



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 44.240+/-0.013 χ^2/NDF:1053863.4/8

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.440+/-0.013 χ^2/NDF:829216.5/7

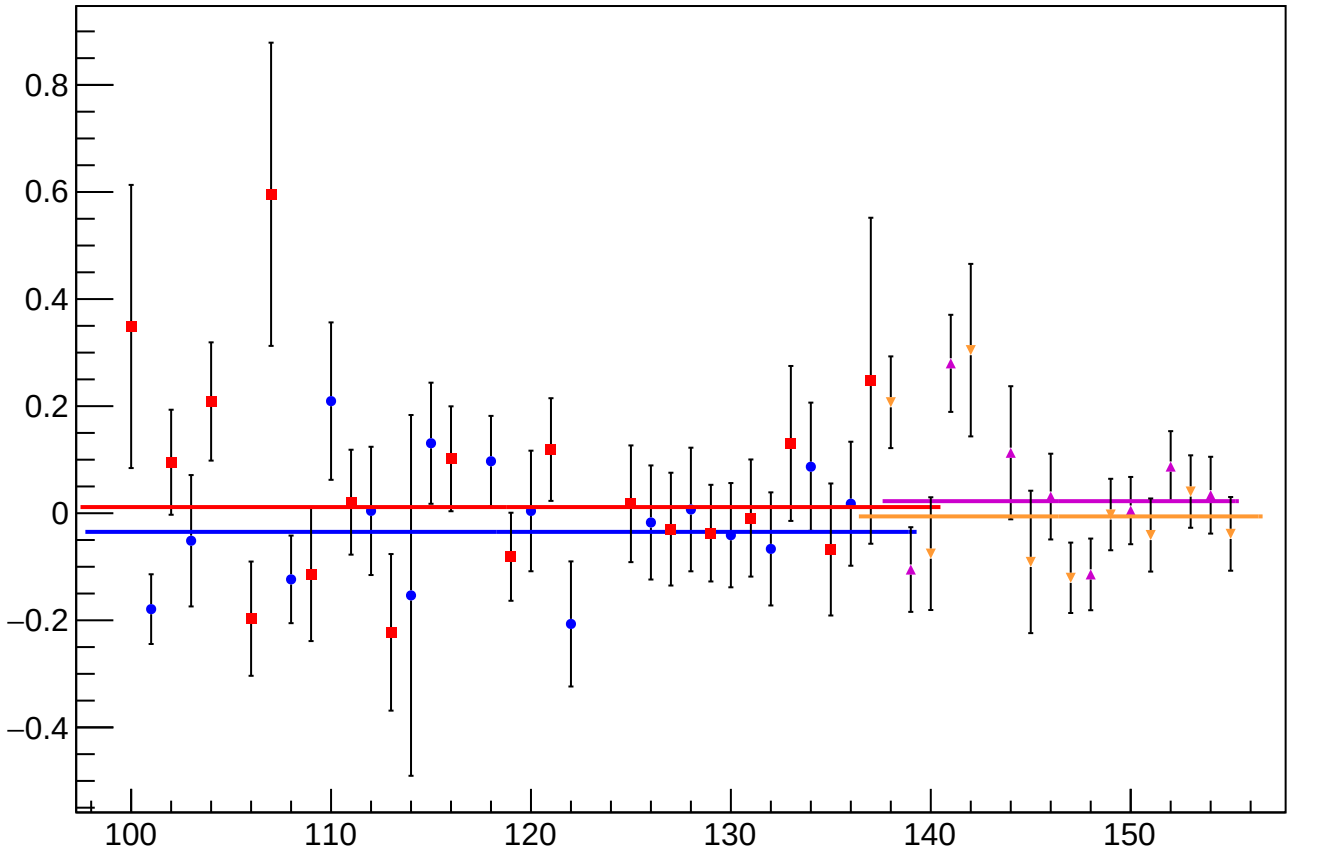
Left: 43.835+/-0.009 χ^2/NDF: 1885047.4/16

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

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

Out: 45.384+/-0.009 χ^2/NDF:2266373.9/26

All: 44.705+/-0.007 χ^2/NDF: 4445423.0/50



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.006+/-0.027 χ^2/NDF:14.8/8

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.023+/-0.027 χ^2/NDF:16.4/7

Left: 0.008+/-0.019 χ^2/NDF: 31.8/16

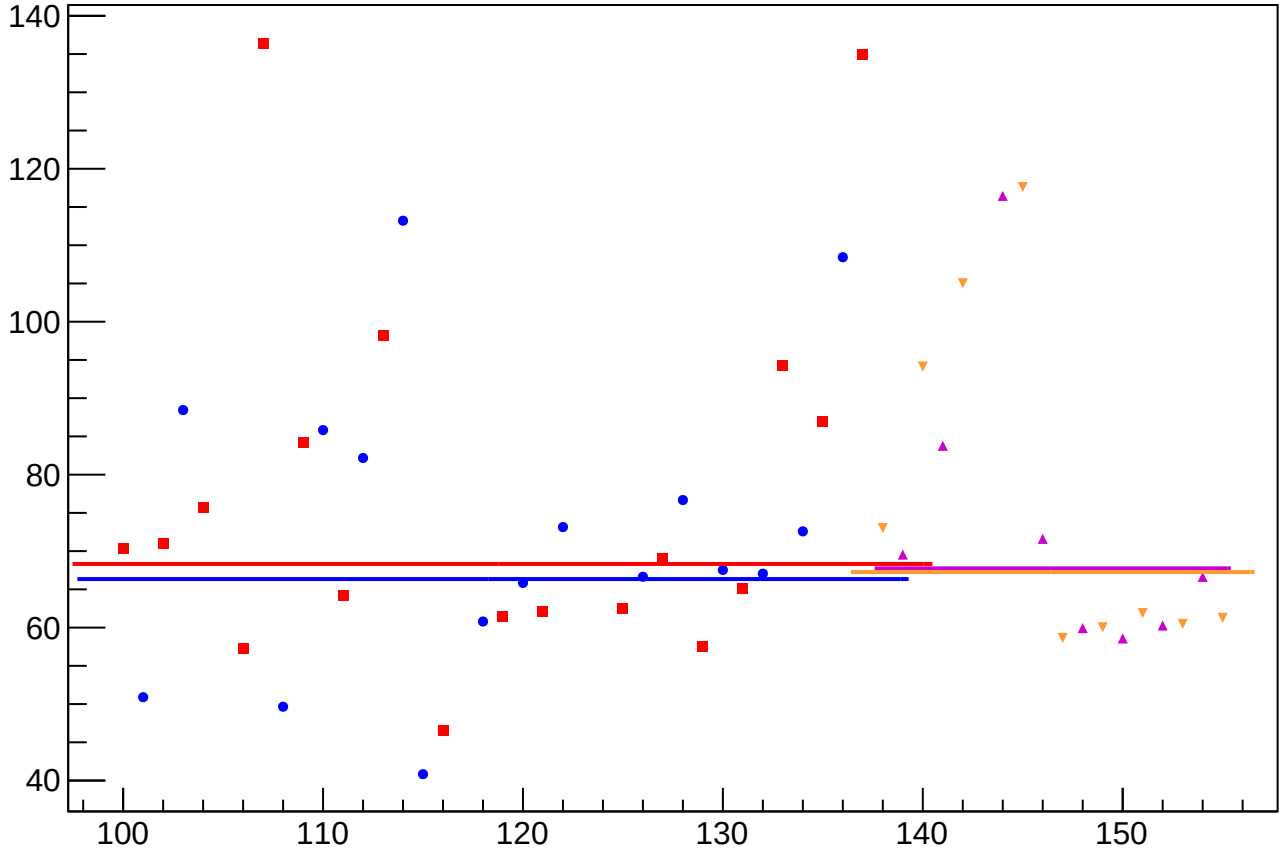
Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.007+/-0.019 χ^2/NDF:36.2/23

Out: 0.003+/-0.019 χ^2/NDF:37.7/26

All: -0.002+/-0.013 χ^2/NDF: 74.1/50

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 67.261+/-0.019 χ^2/NDF:641128.0/8

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 67.746+/-0.019 χ^2/NDF:471195.1/7

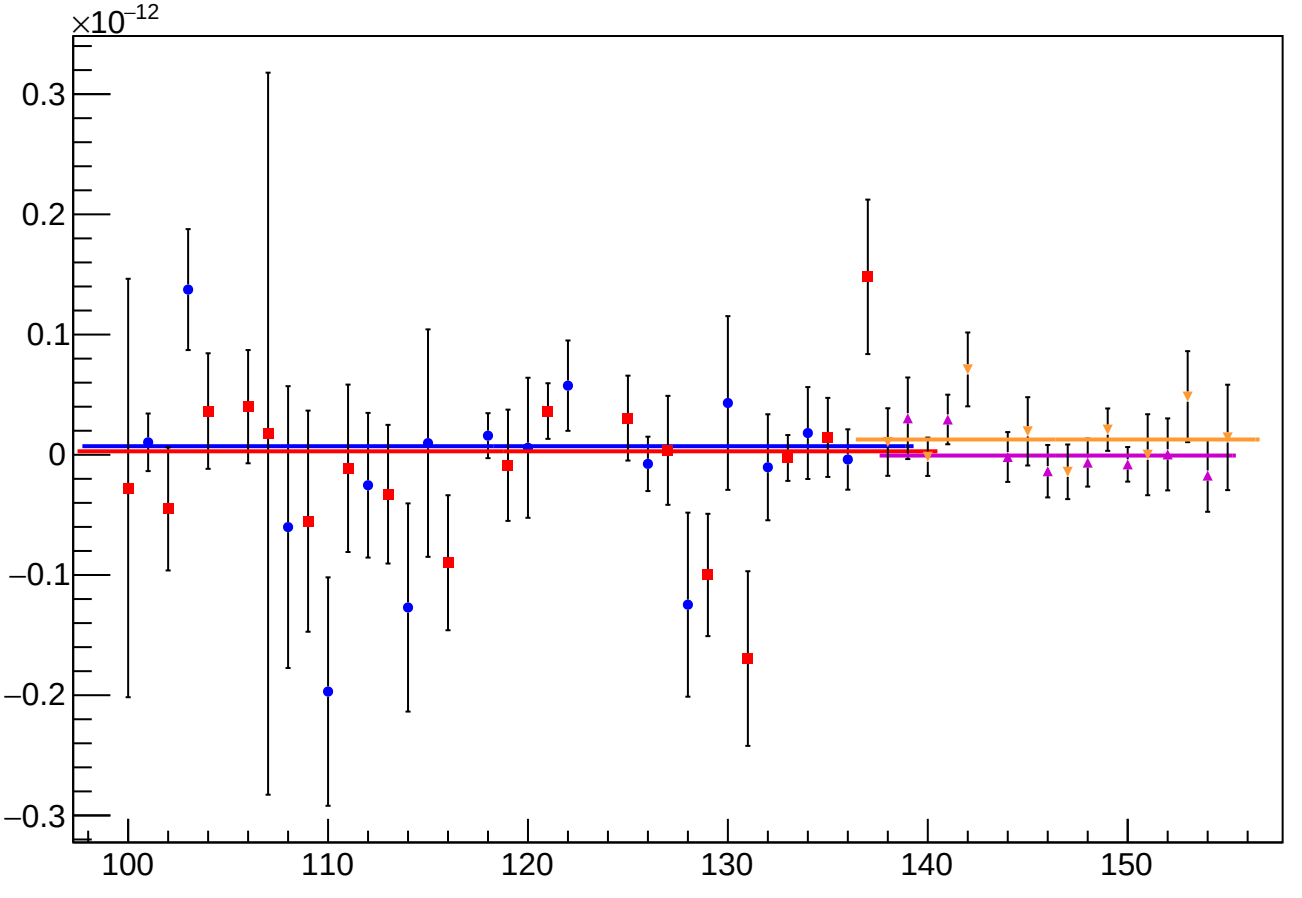
Left: 67.502+/-0.013 χ^2/NDF: 1112655.9/16

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

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

Out: 67.784+/-0.013 χ^2/NDF:1272369.4/26

All: 67.406+/-0.009 χ^2/NDF: 2520593.6/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/8

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

Left In: -0.000+/-0.000 χ^2/NDF:4.0/7

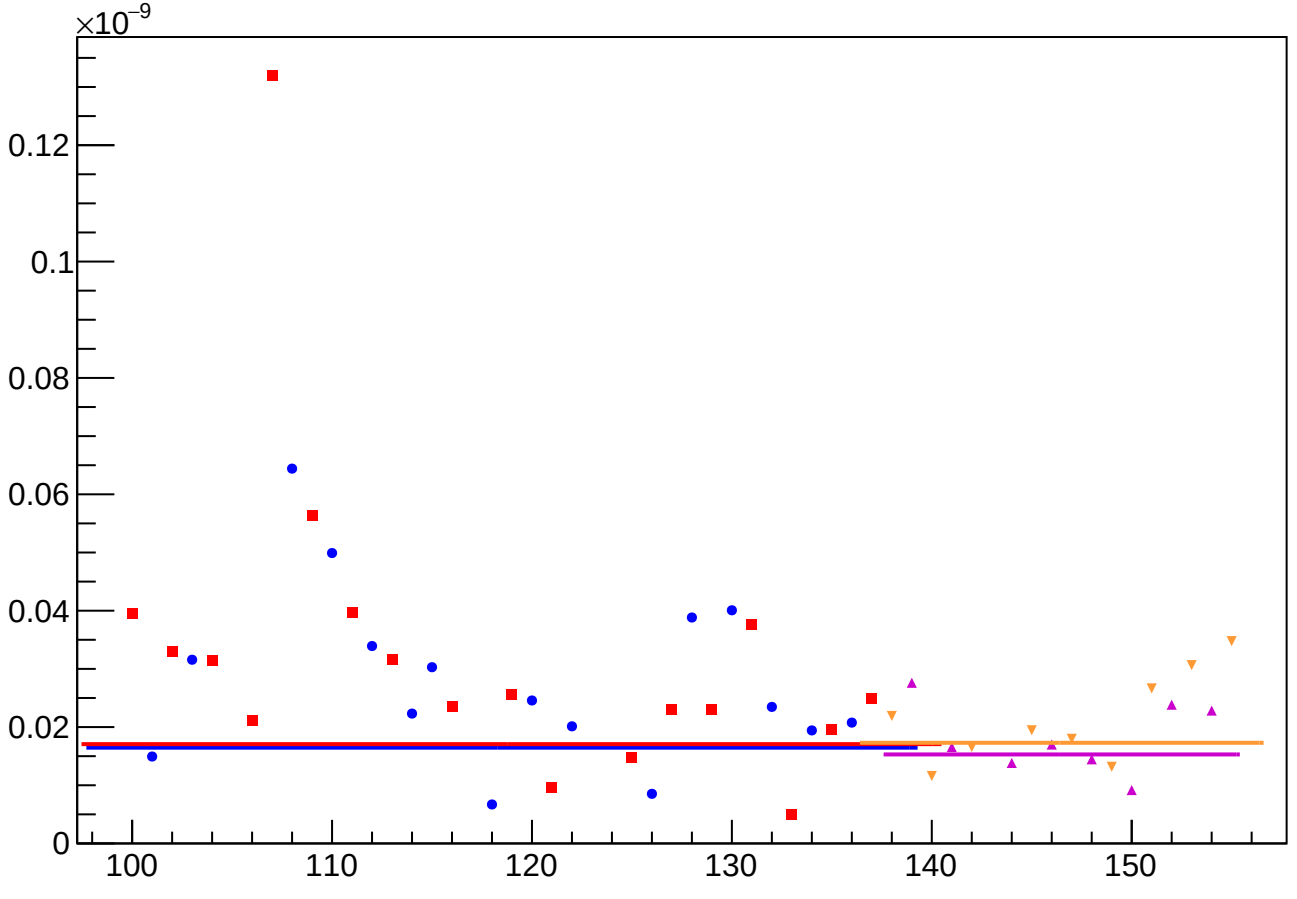
Left: 0.000+/-0.000 χ^2/NDF: 12.5/16

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:24.8/23

Out: 0.000+/-0.000 χ^2/NDF:31.1/26

All: 0.000+/-0.000 χ^2/NDF: 56.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1153658.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:946679.3/7

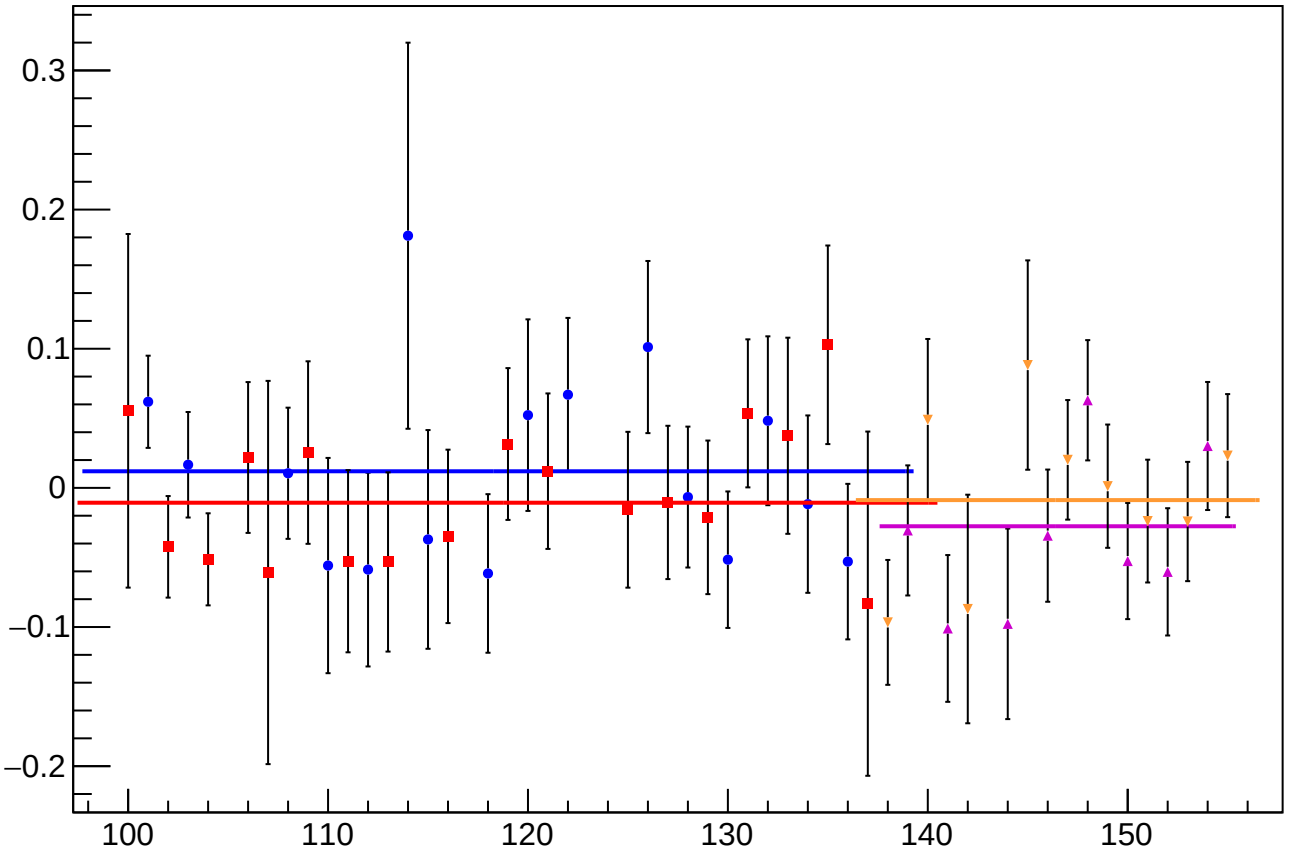
Left: 0.000+/-0.000 χ^2/NDF: 2164067.8/16

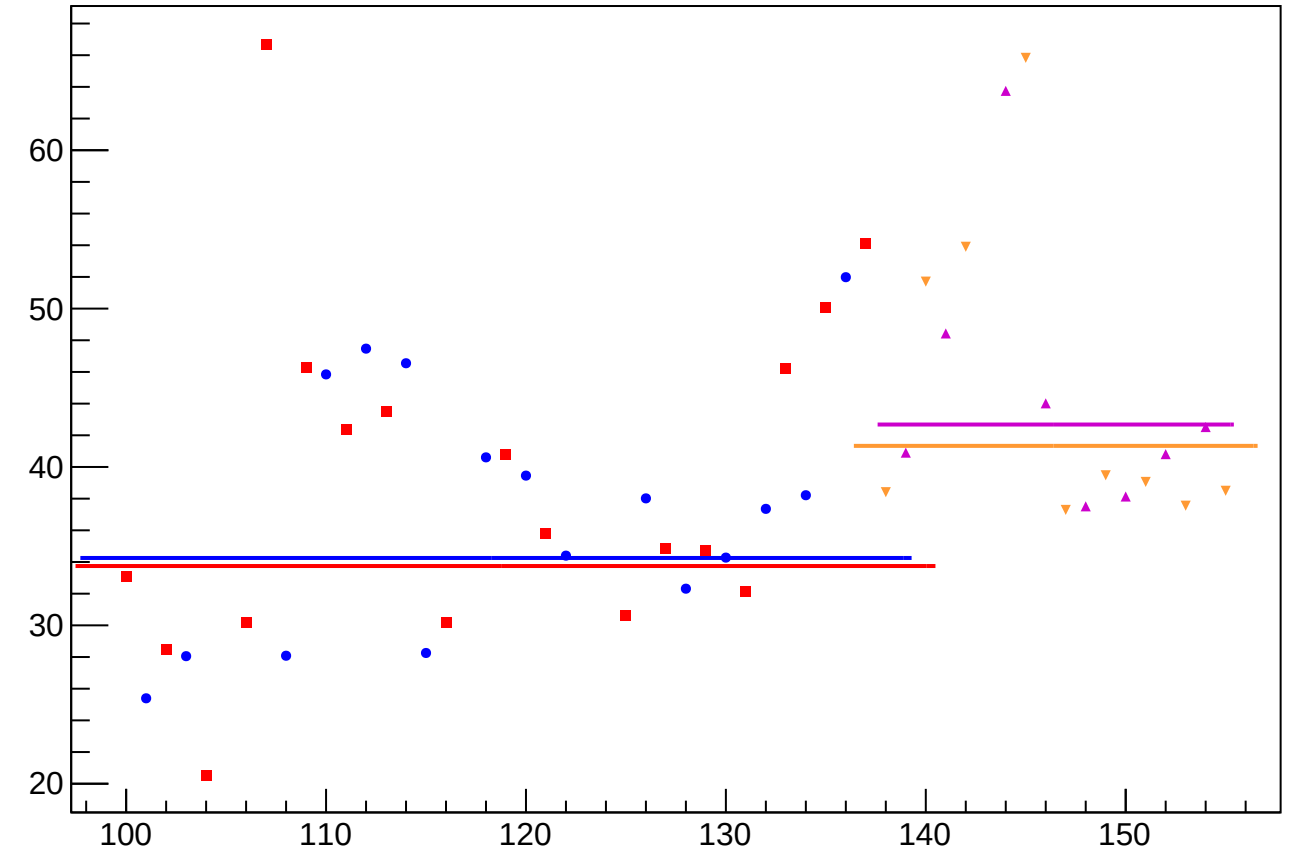
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

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

Out: 0.000+/-0.000 χ^2/NDF:3945666.4/26

All: 0.000+/-0.000 χ^2/NDF: 7312557.6/50


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: -0.009+/-0.016 χ²/NDF:8.7/8
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.028+/-0.017 χ²/NDF:9.8/7
Left: -0.018+/-0.012 χ²/NDF: 19.2/16
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.004+/-0.011 χ²/NDF:27.9/23
Out: -0.010+/-0.010 χ²/NDF:18.6/26
All: -0.007+/-0.007 χ²/NDF: 46.7/50



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

Left Out: 41.333+/-0.012 χ^2/NDF:381532.5/8

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

Left In: 42.680+/-0.012 χ^2/NDF:273261.3/7

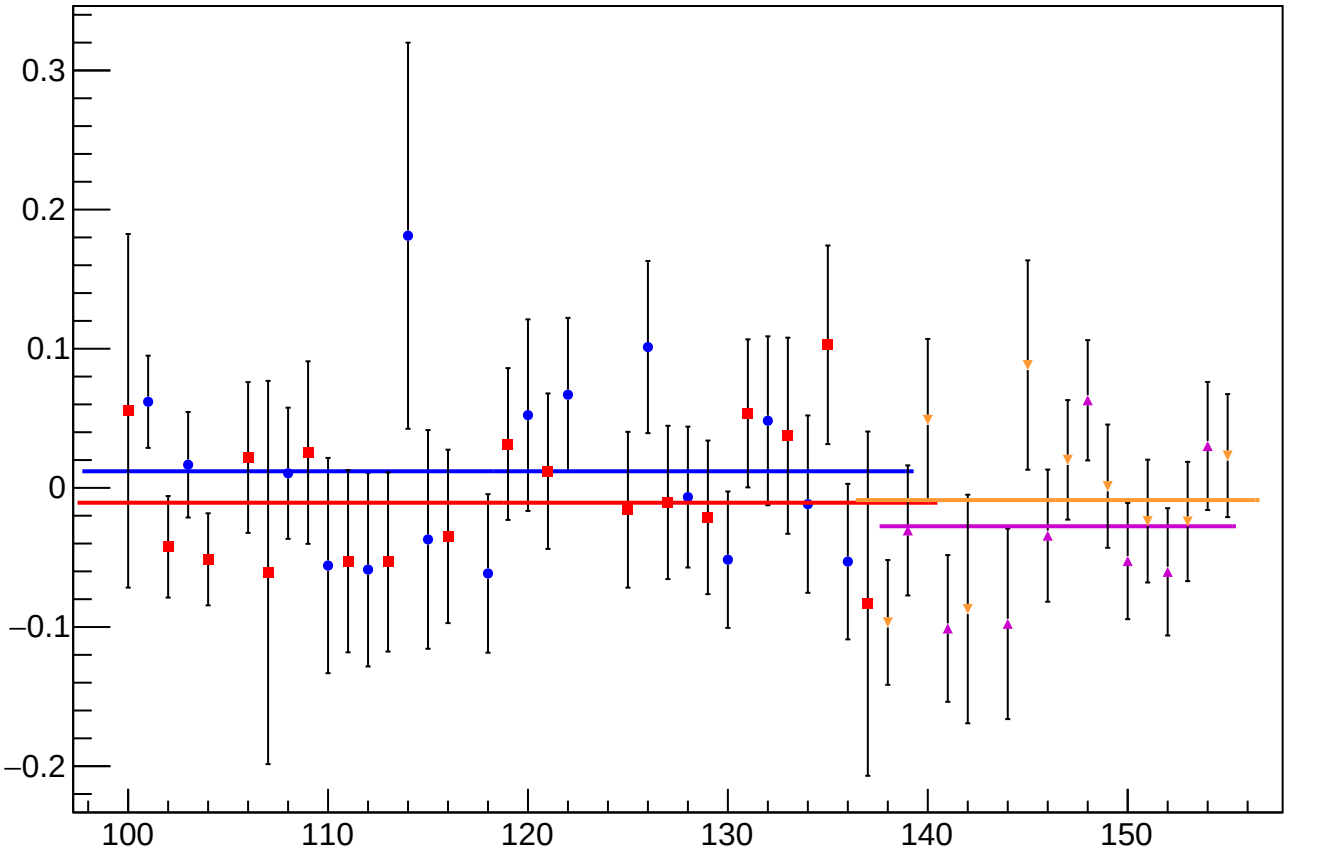
Left: 41.987+/-0.008 χ^2/NDF: 661391.9/16

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

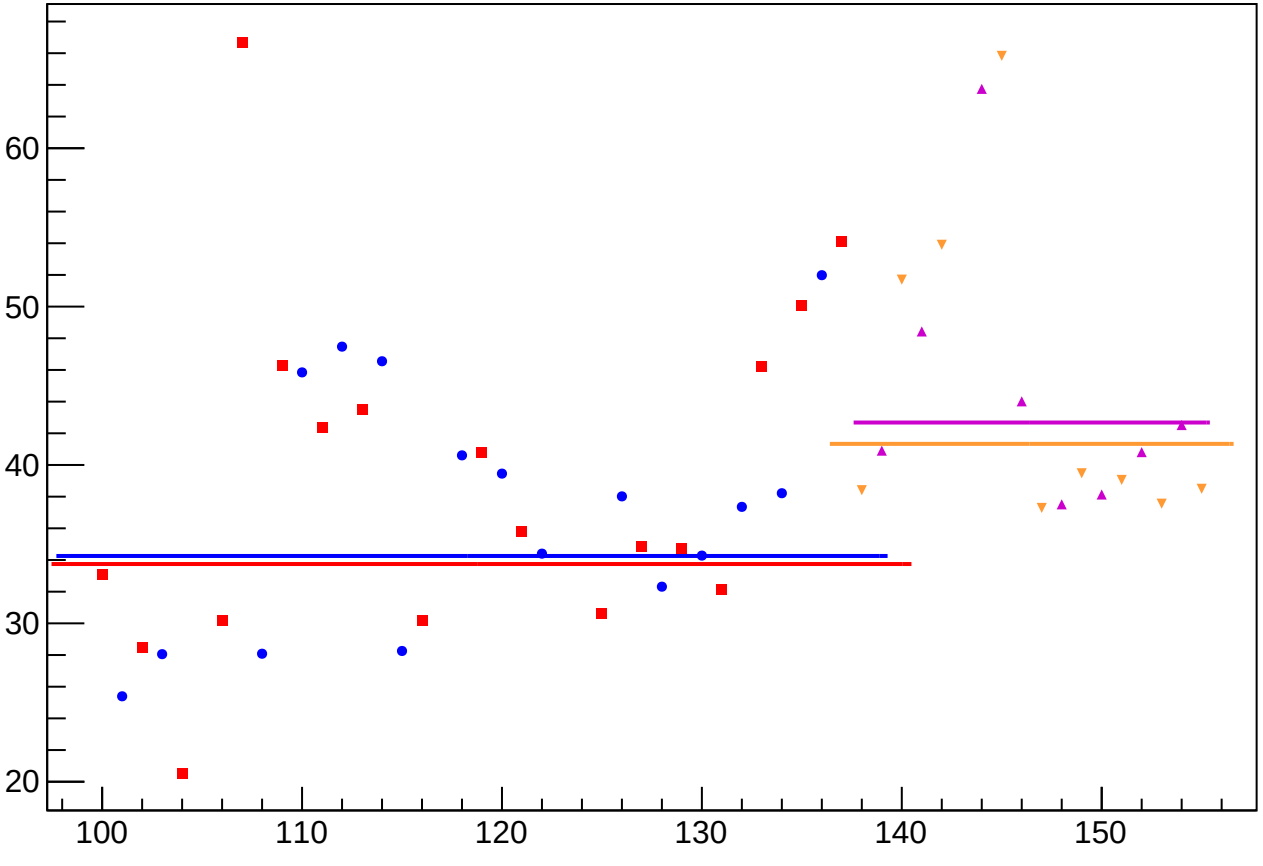
In: 37.588+/-0.007 χ^2/NDF:1212442.6/23

Out: 36.805+/-0.007 χ^2/NDF:1550313.7/26

All: 37.189+/-0.005 χ^2/NDF: 2768340.8/50


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: -0.009+/-0.016 χ²/NDF:8.7/8
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.028+/-0.017 χ²/NDF:9.8/7
Left: -0.018+/-0.012 χ²/NDF: 19.2/16
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.004+/-0.011 χ²/NDF:27.9/23
Out: -0.010+/-0.010 χ²/NDF:18.6/26
All: -0.007+/-0.007 χ²/NDF: 46.7/50

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 41.333+/-0.012 χ^2/NDF:381532.5/8

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

Left In: 42.680+/-0.012 χ^2/NDF:273261.3/7

Left: 41.987+/-0.008 χ^2/NDF: 661391.9/16

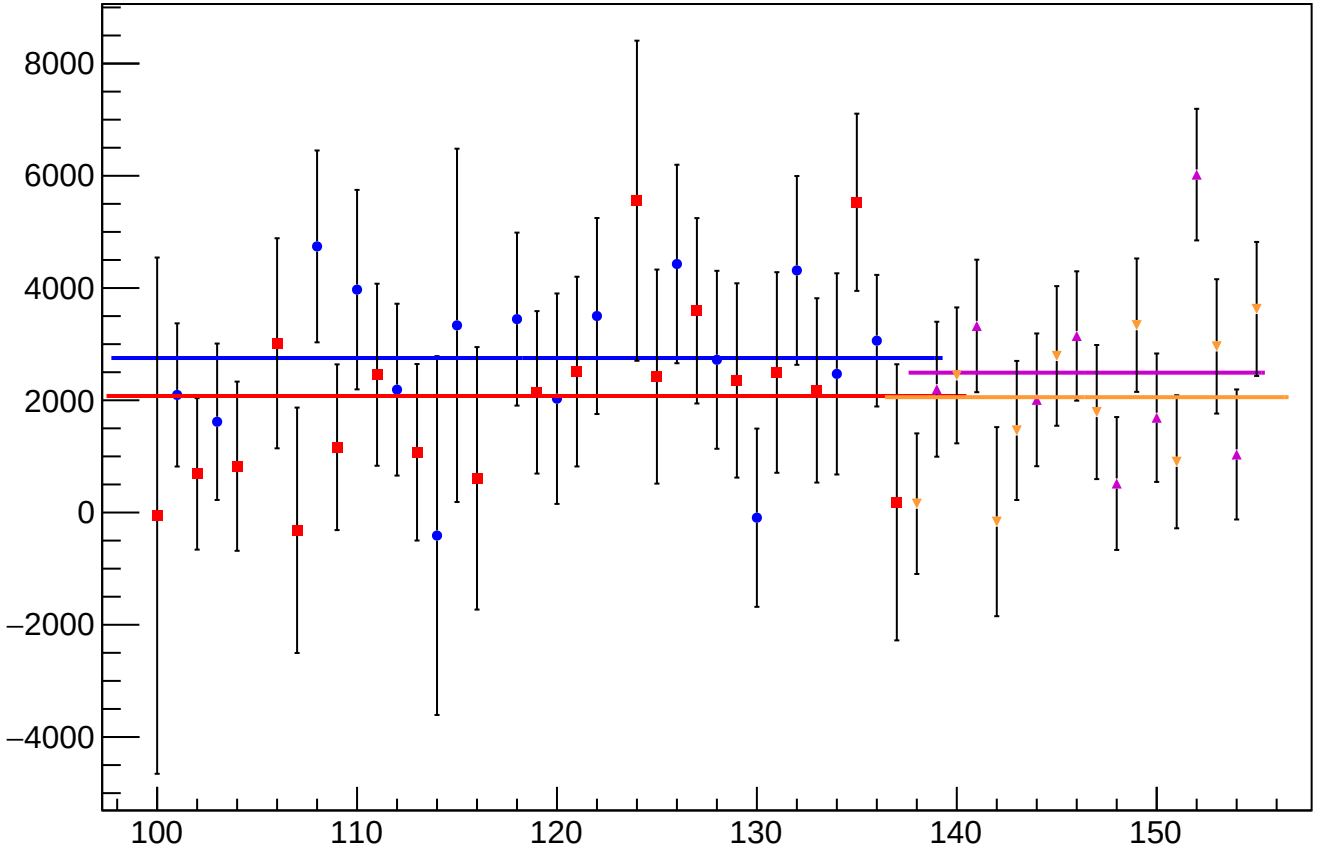
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

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

Out: 36.805+/-0.007 χ^2/NDF:1550313.7/26

All: 37.189+/-0.005 χ^2/NDF: 2768340.8/50

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2055.360+/-392.576 χ^2/NDF:9.2/9

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2492.005+/-414.243 χ^2/NDF:15.0/7

Left: 2261.966+/-284.945 χ^2/NDF: 24.7/17

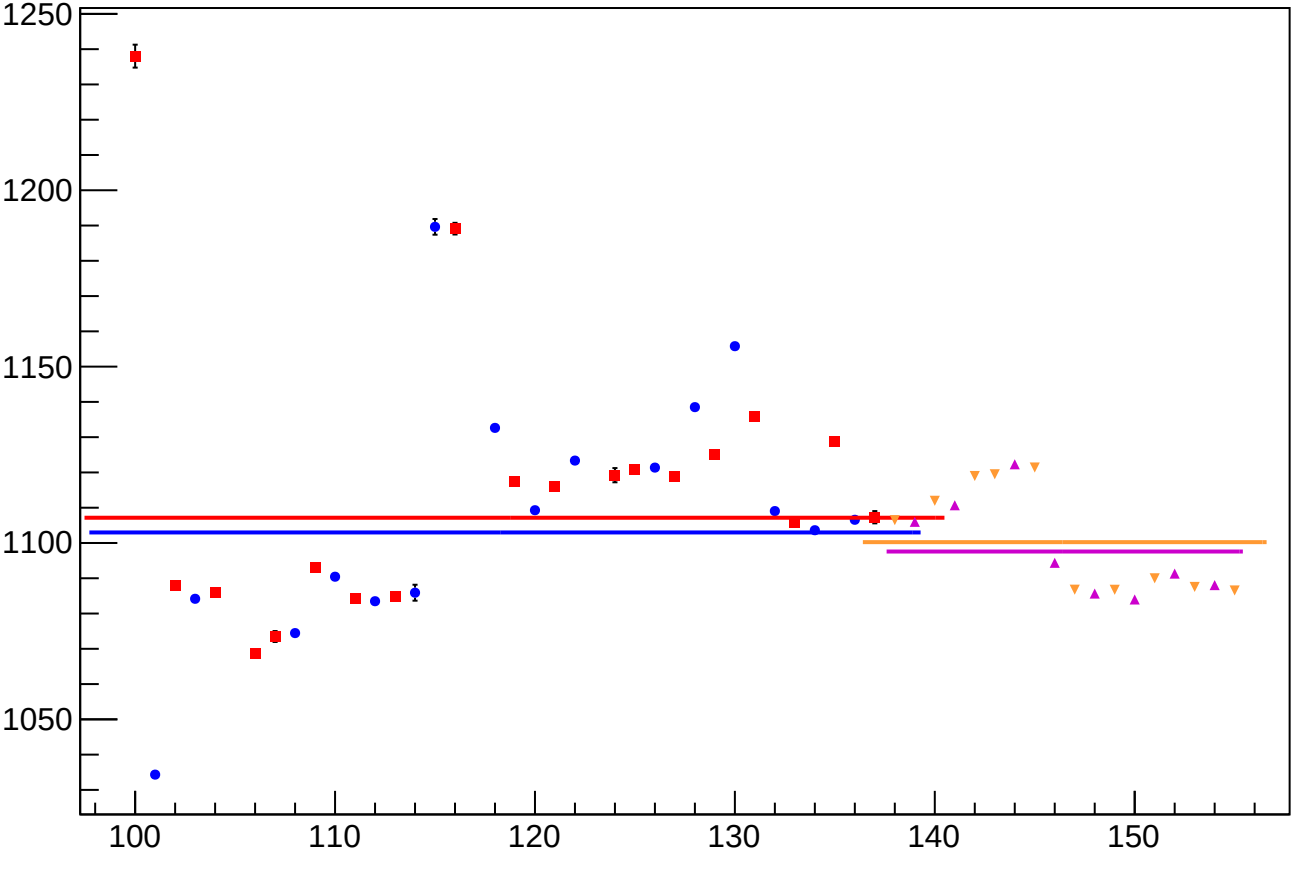
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

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

Out: 2065.619+/-281.476 χ^2/NDF:21.7/28

All: 2335.174+/-202.432 χ^2/NDF: 48.3/52

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1100.239+/-0.278 χ^2/NDF:2696.3/9

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1097.580+/-0.293 χ^2/NDF:1912.1/7

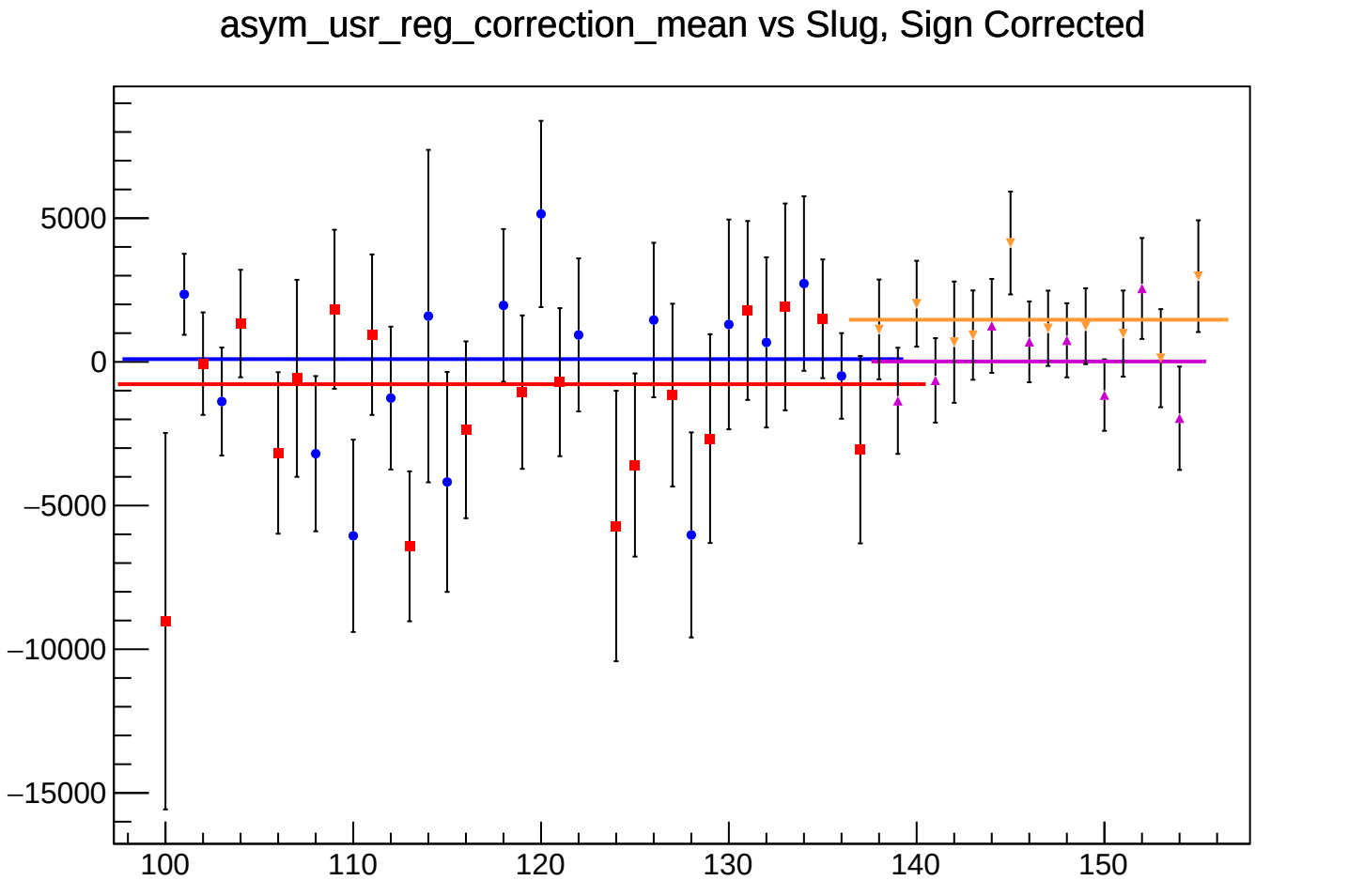
Left: 1098.981+/-0.201 χ^2/NDF: 4651.8/17

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

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

Out: 1103.602+/-0.199 χ^2/NDF:11681.6/28

All: 1102.014+/-0.143 χ^2/NDF: 27121.7/52



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1466.657+/-503.748 χ^2/NDF:4.1/9

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 14.742+/-533.158 χ^2/NDF:6.1/7

Left: 781.848+/-366.159 χ^2/NDF: 14.1/17

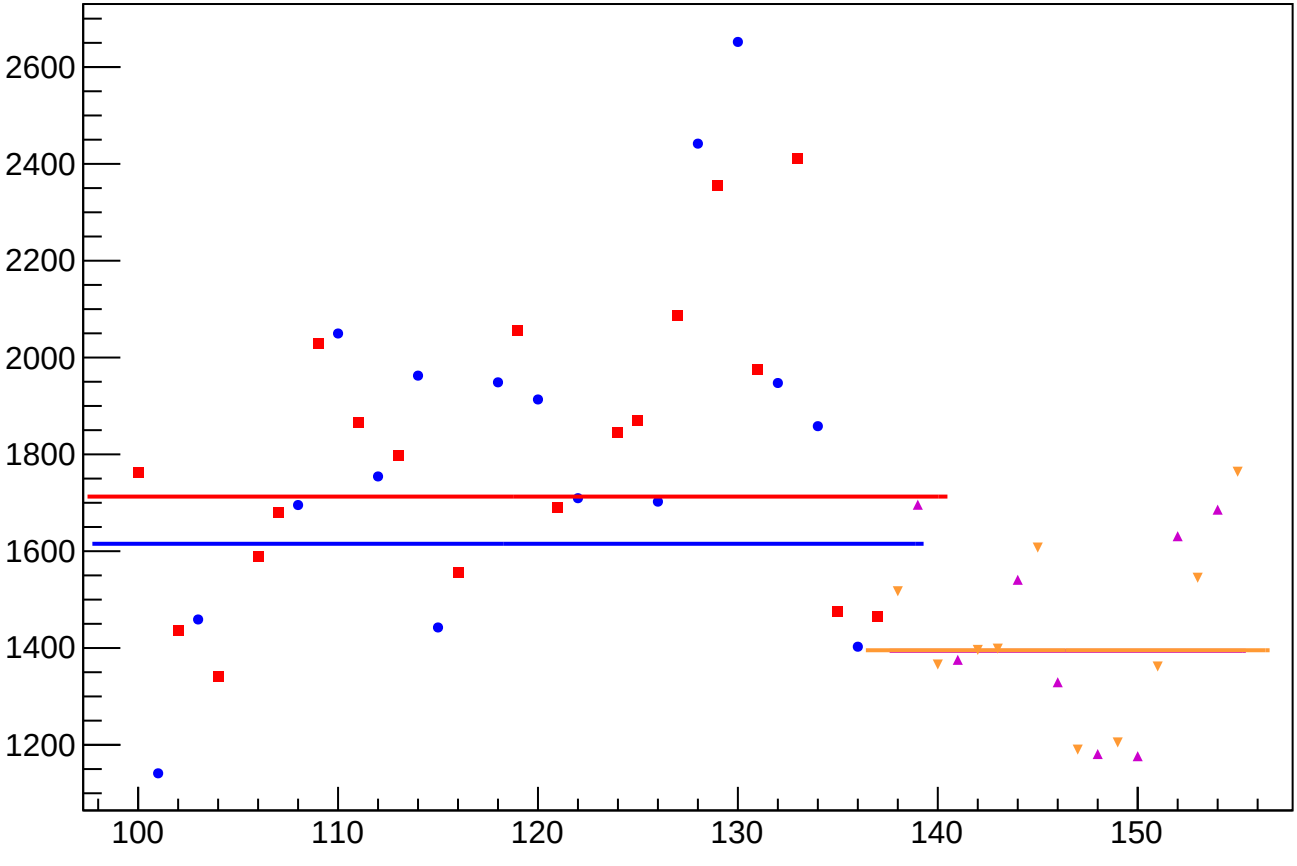
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 49.389+/-403.717 χ^2/NDF:23.0/23

Out: 603.331+/-395.117 χ^2/NDF:26.8/28

All: 332.322+/-282.381 χ^2/NDF: 50.7/52

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1395.392+/-0.356 χ^2/NDF:217846.2/9

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1394.175+/-0.377 χ^2/NDF:278914.1/7

Left: 1394.818+/-0.259 χ^2/NDF: 496765.8/17

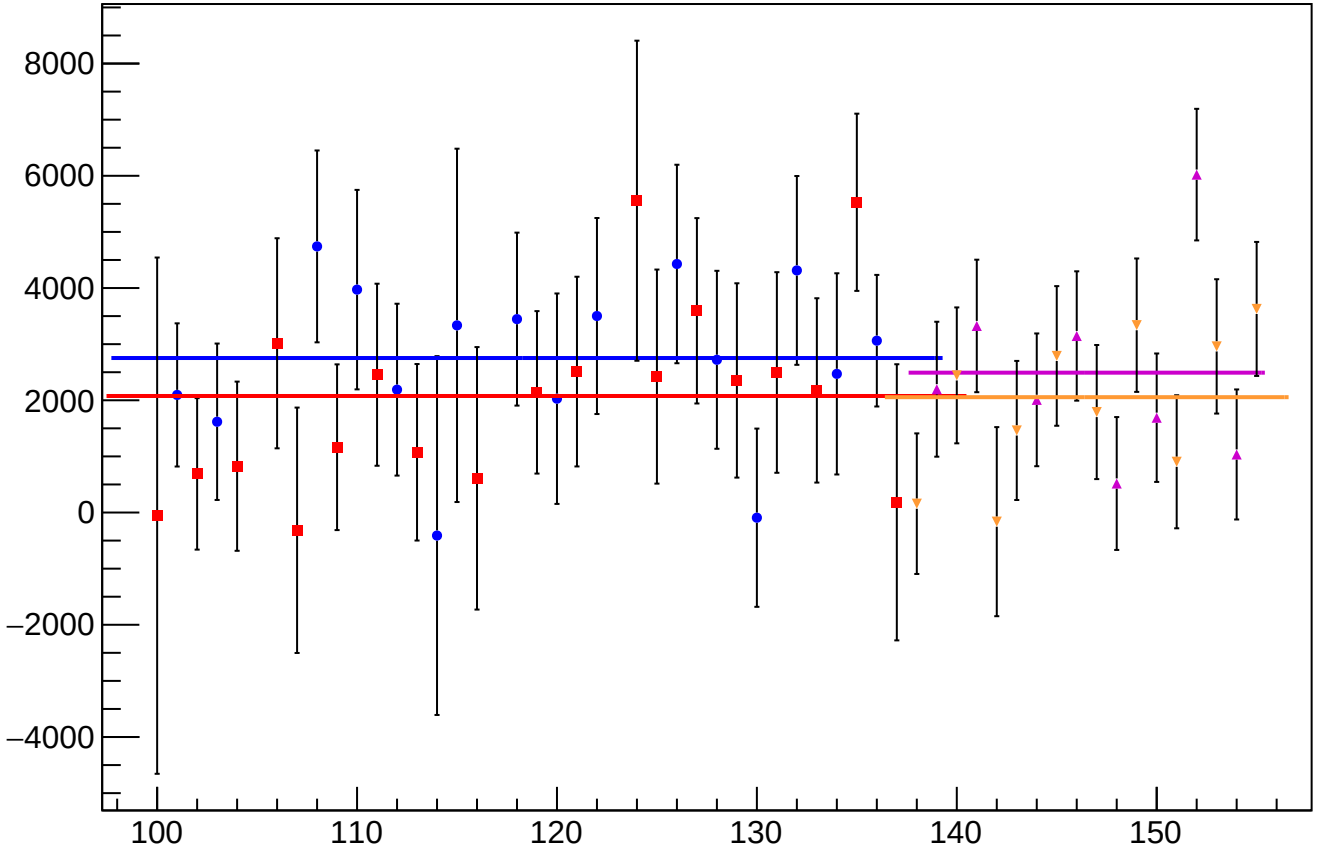
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

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

Out: 1517.526+/-0.279 χ^2/NDF:951440.2/28

All: 1503.334+/-0.200 χ^2/NDF: 2076048.6/52

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2055.360+/-392.576 χ^2/NDF:9.2/9

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2492.005+/-414.243 χ^2/NDF:15.0/7

Left: 2261.966+/-284.945 χ^2/NDF: 24.7/17

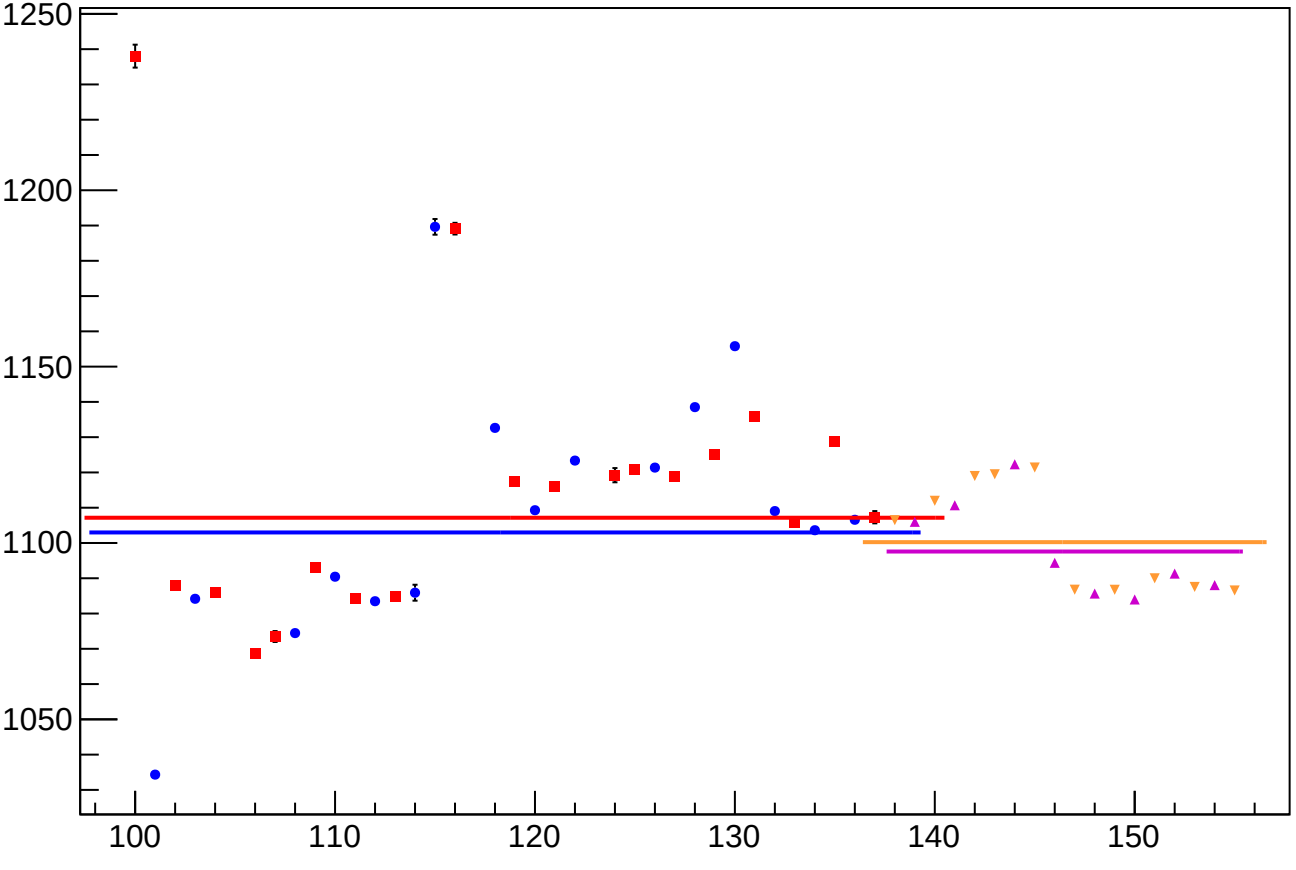
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

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

Out: 2065.619+/-281.476 χ^2/NDF:21.7/28

All: 2335.174+/-202.432 χ^2/NDF: 48.3/52

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1100.239+/-0.278 χ^2/NDF:2696.3/9

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1097.580+/-0.293 χ^2/NDF:1912.1/7

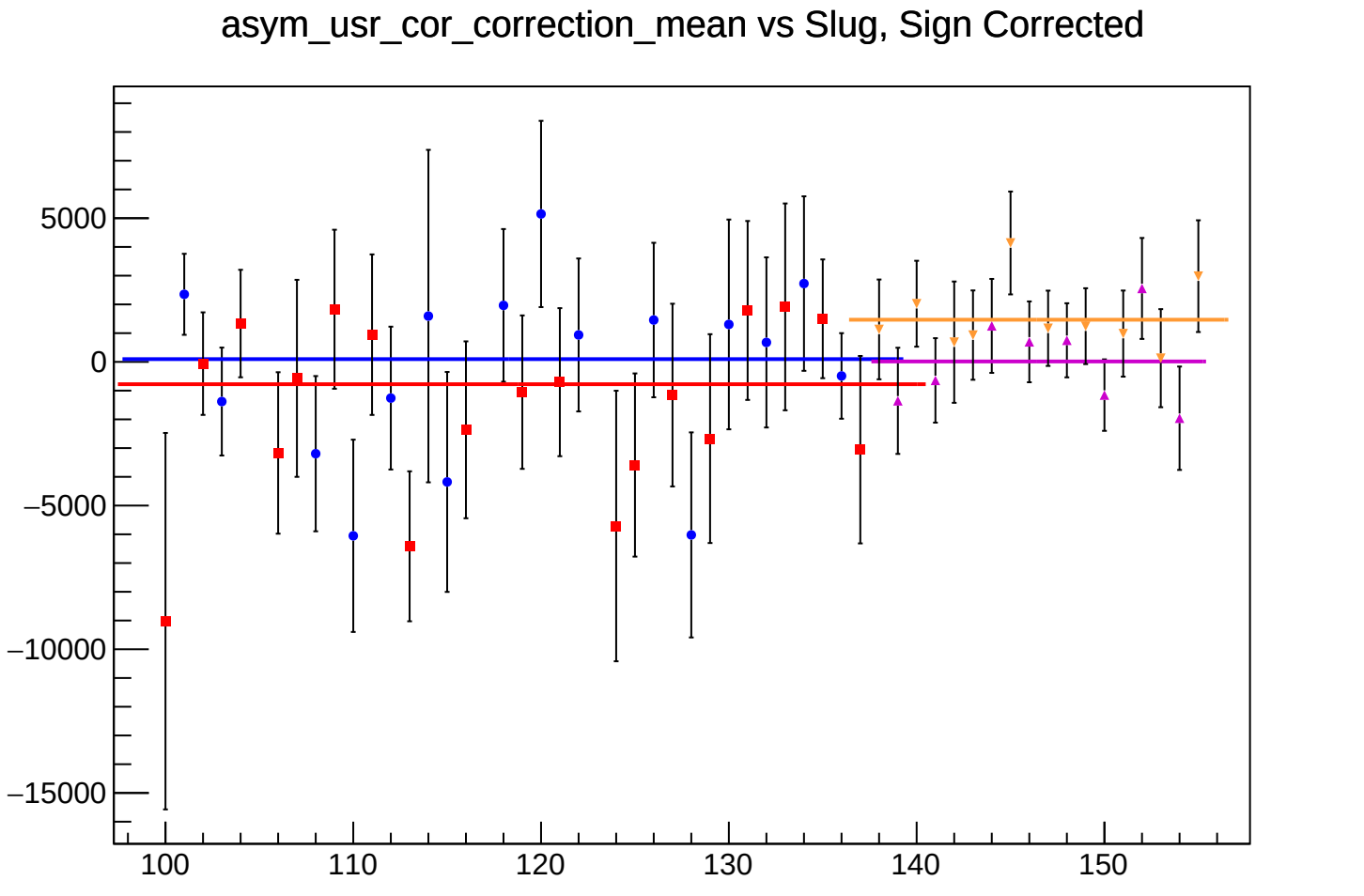
Left: 1098.981+/-0.201 χ^2/NDF: 4651.8/17

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

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

Out: 1103.602+/-0.199 χ^2/NDF:11681.6/28

All: 1102.014+/-0.143 χ^2/NDF: 27121.7/52



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1466.657+/-503.748 χ^2/NDF:4.1/9

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 14.742+/-533.158 χ^2/NDF:6.1/7

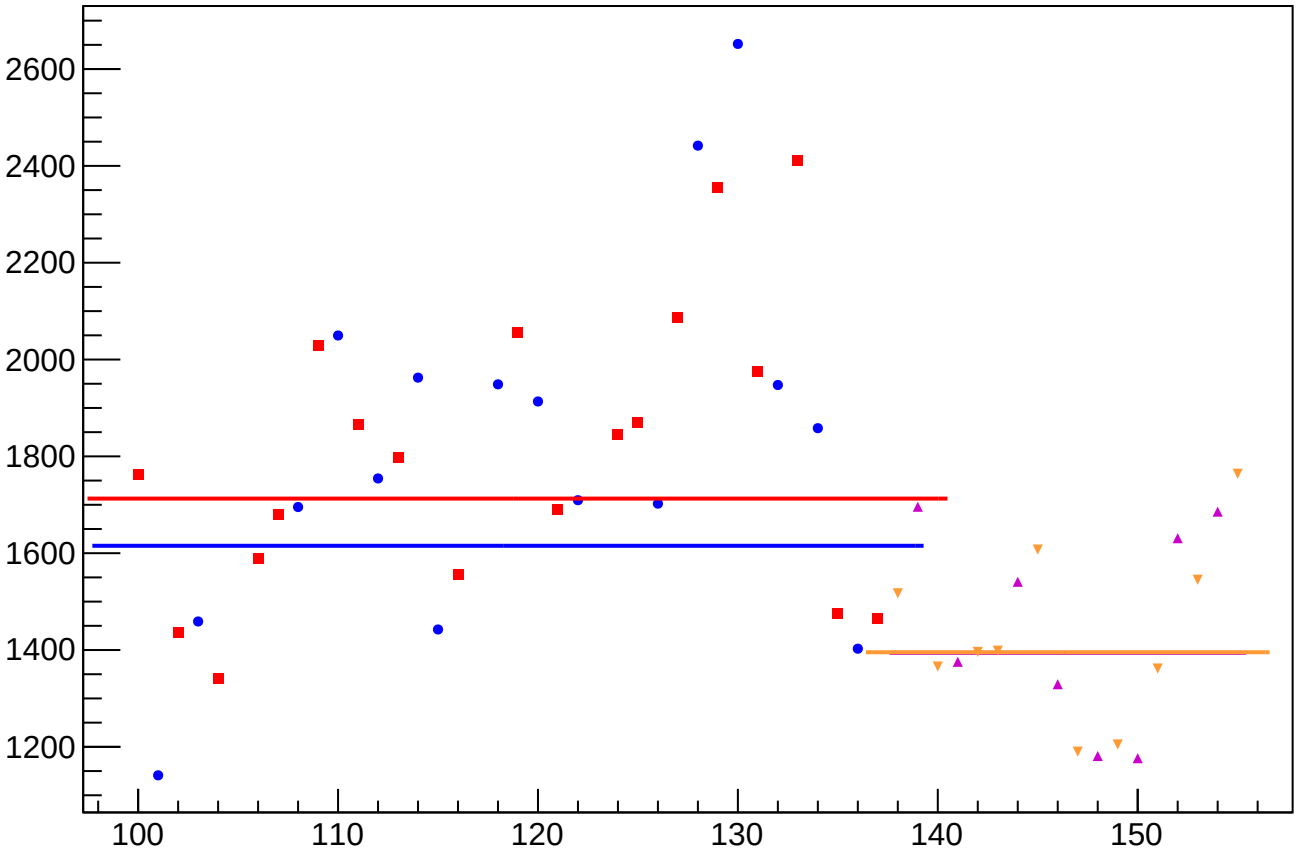
Left: 781.848+/-366.159 χ^2/NDF: 14.1/17

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

In: 49.389+/-403.717 χ^2/NDF:23.0/23

Out: 603.331+/-395.117 χ^2/NDF:26.8/28

All: 332.322+/-282.381 χ^2/NDF: 50.7/52



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1395.392+/-0.356 χ^2/NDF:217846.2/9

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1394.175+/-0.377 χ^2/NDF:278914.1/7

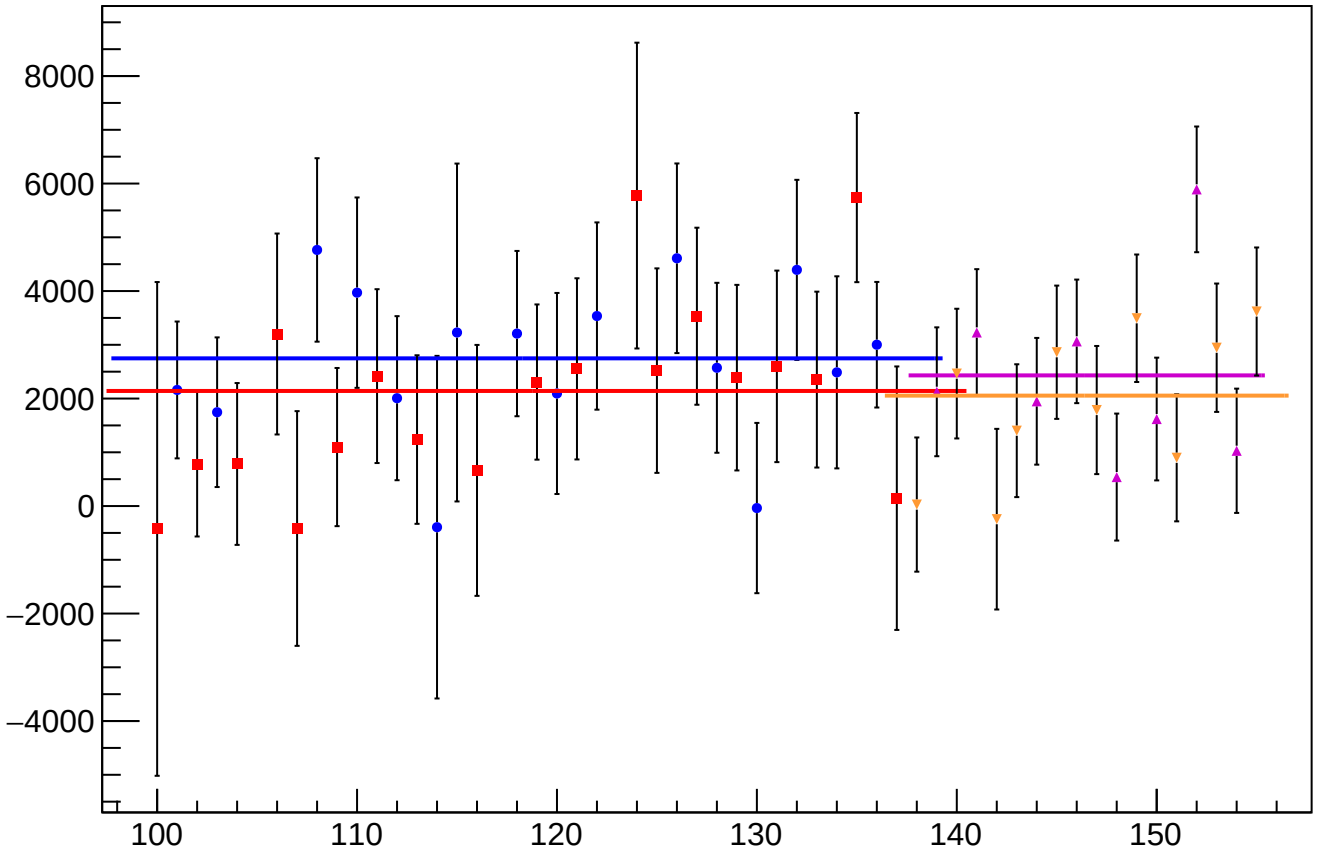
Left: 1394.818+/-0.259 χ^2/NDF: 496765.8/17

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

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

Out: 1517.526+/-0.279 χ^2/NDF:951440.2/28

All: 1503.334+/-0.200 χ^2/NDF: 2076048.6/52



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2054.399+/-391.533 χ^2/NDF:10.1/9

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2430.824+/-413.228 χ^2/NDF:14.3/7

Left: 2232.471+/-284.216 χ^2/NDF: 24.8/17

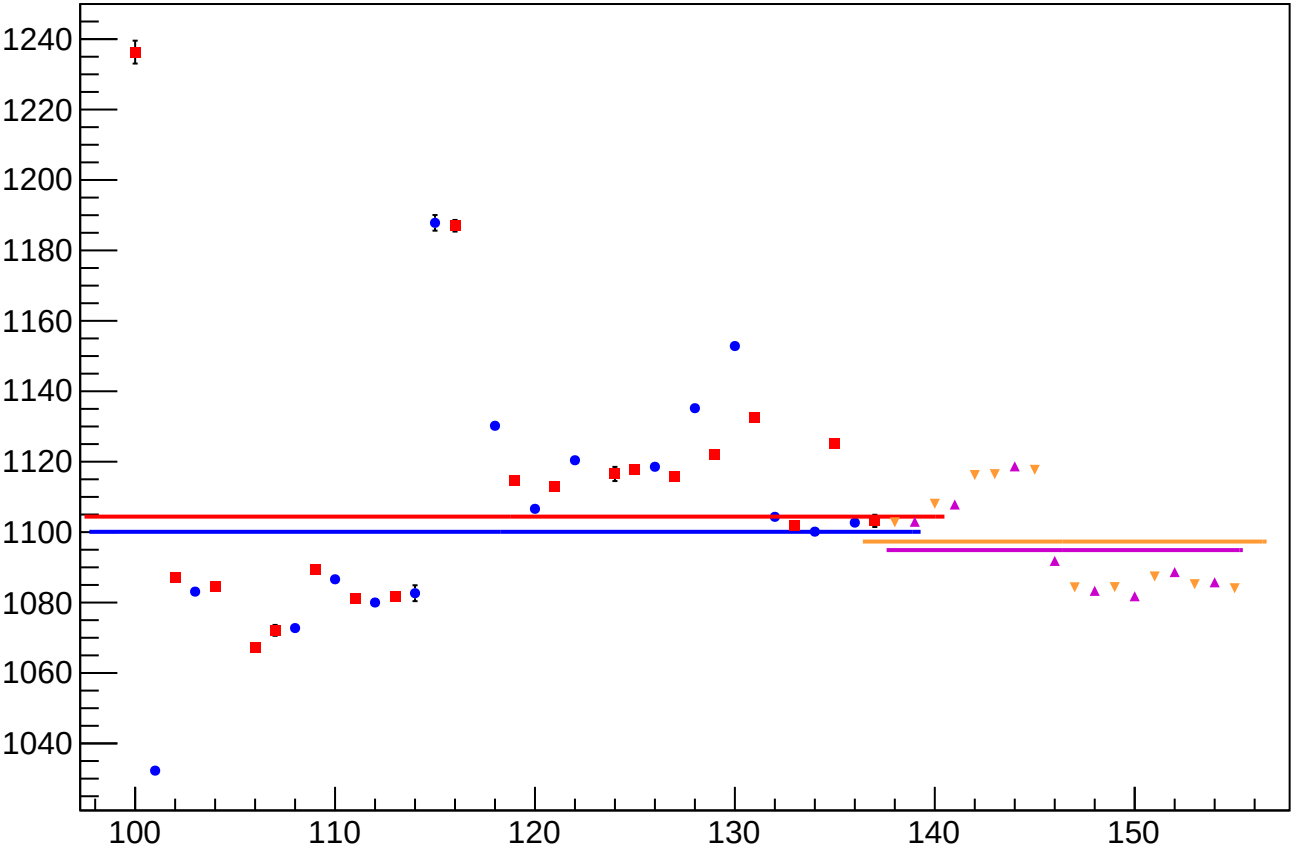
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

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

Out: 2096.555+/-280.751 χ^2/NDF:23.7/28

All: 2335.304+/-201.914 χ^2/NDF: 49.3/52

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1097.324+/-0.277 χ^2/NDF:2538.4/9

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1094.897+/-0.292 χ^2/NDF:1797.4/7

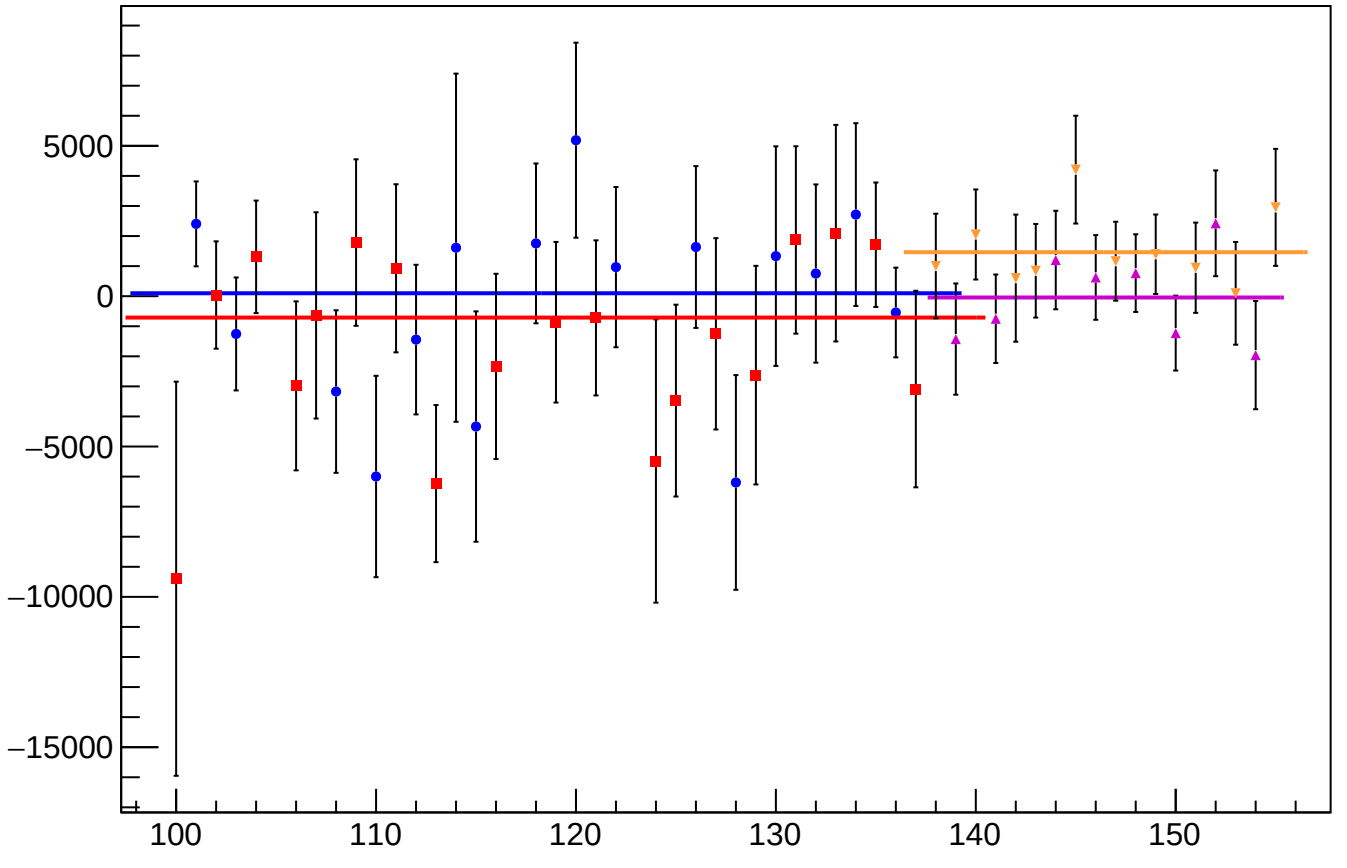
Left: 1096.176+/-0.201 χ^2/NDF: 4372.2/17

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

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

Out: 1100.763+/-0.199 χ^2/NDF:11399.6/28

All: 1099.198+/-0.143 χ^2/NDF: 26562.5/52



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

Left Out: 1462.781+/-504.597 χ^2/NDF:4.3/9

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

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

Left: 752.078+/-366.751 χ^2/NDF: 14.5/17

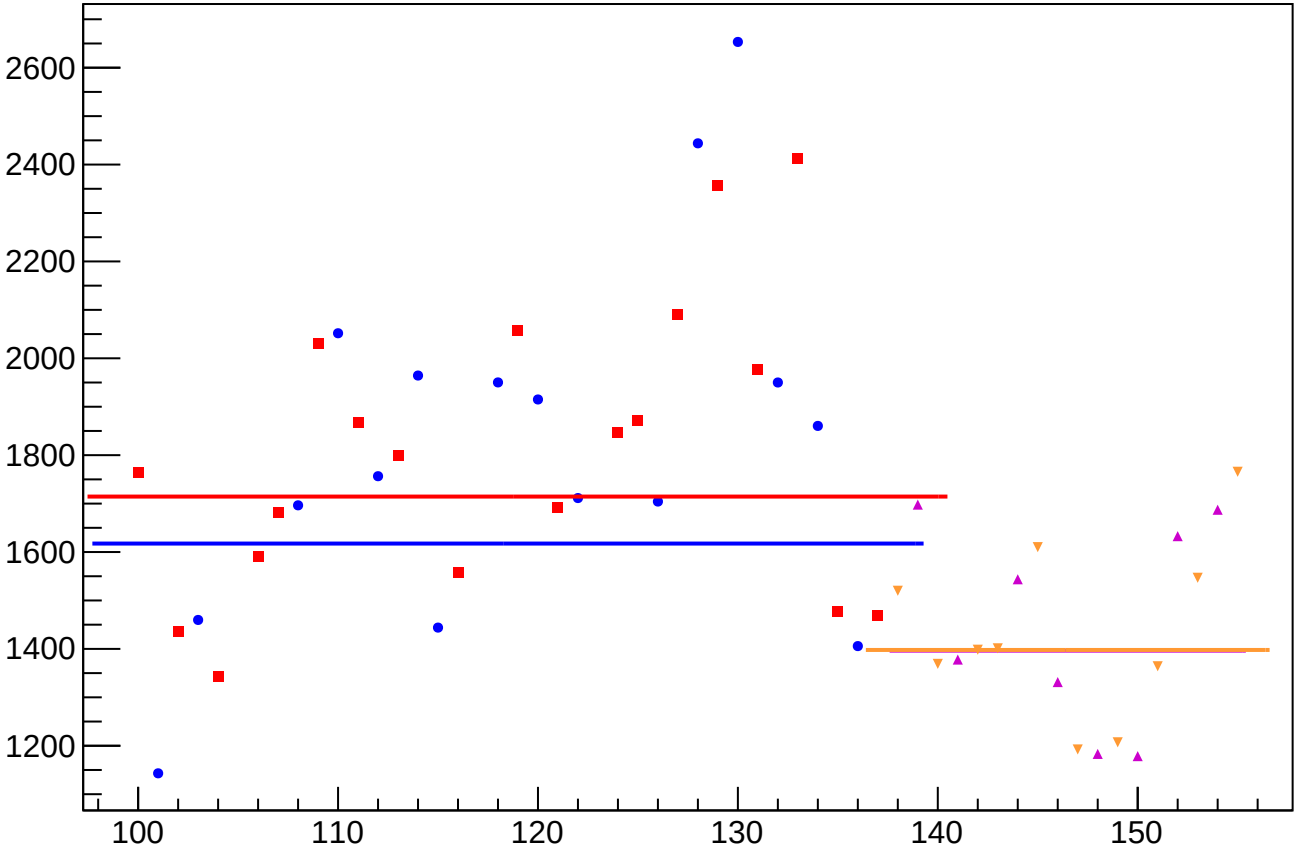
Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 16.476+/-404.290 χ^2/NDF:23.3/23

Out: 625.499+/-395.675 χ^2/NDF:26.4/28

All: 327.545+/-282.781 χ^2/NDF: 50.8/52

asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1397.814+/-0.357 χ^2/NDF:217029.0/9

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1396.384+/-0.378 χ^2/NDF:277932.4/7

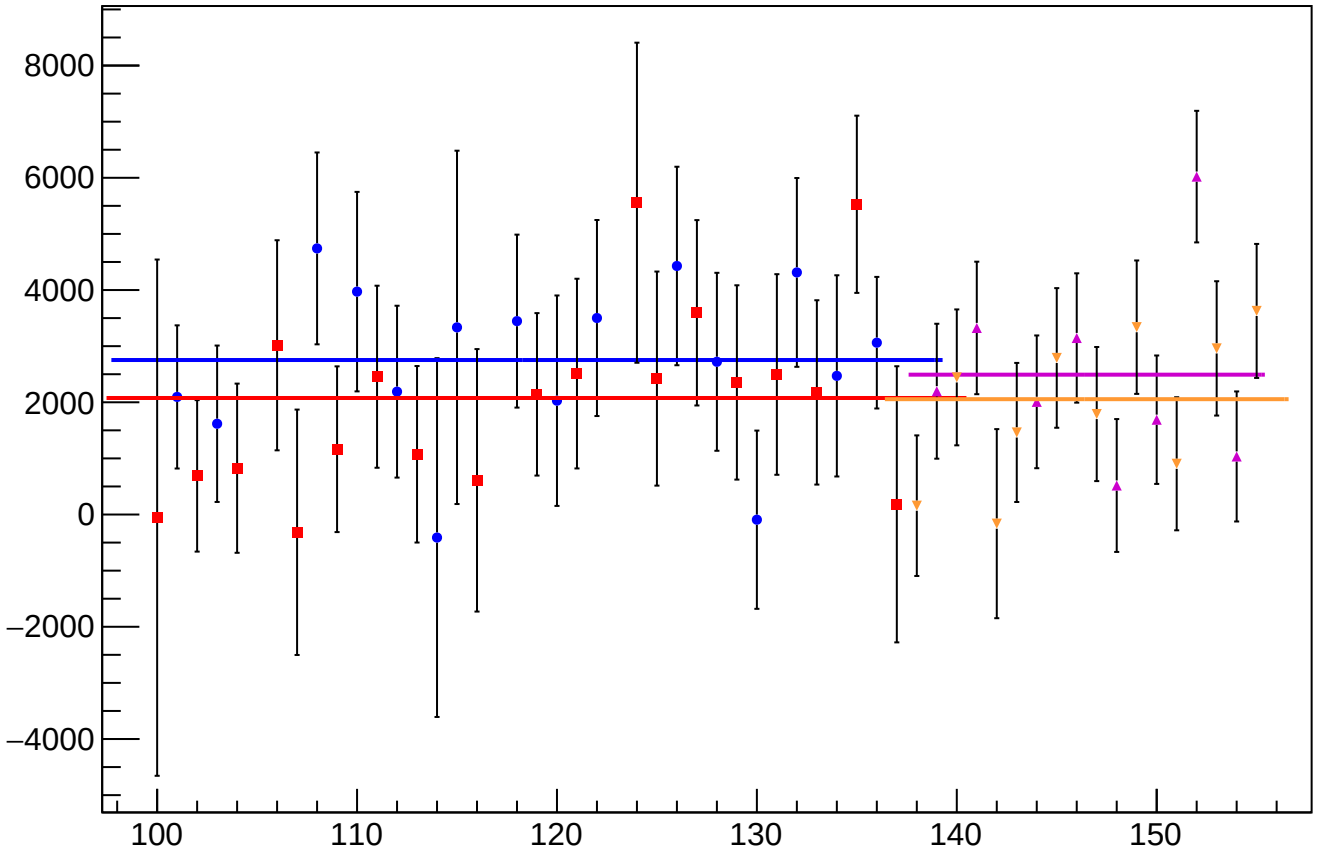
Left: 1397.140+/-0.259 χ^2/NDF: 494969.0/17

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

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

Out: 1519.780+/-0.280 χ^2/NDF:948140.5/28

All: 1505.574+/-0.200 χ^2/NDF: 2069409.6/52



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2055.360+/-392.576 χ^2/NDF:9.2/9

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2492.005+/-414.243 χ^2/NDF:15.0/7

Left: 2261.966+/-284.945 χ^2/NDF: 24.7/17

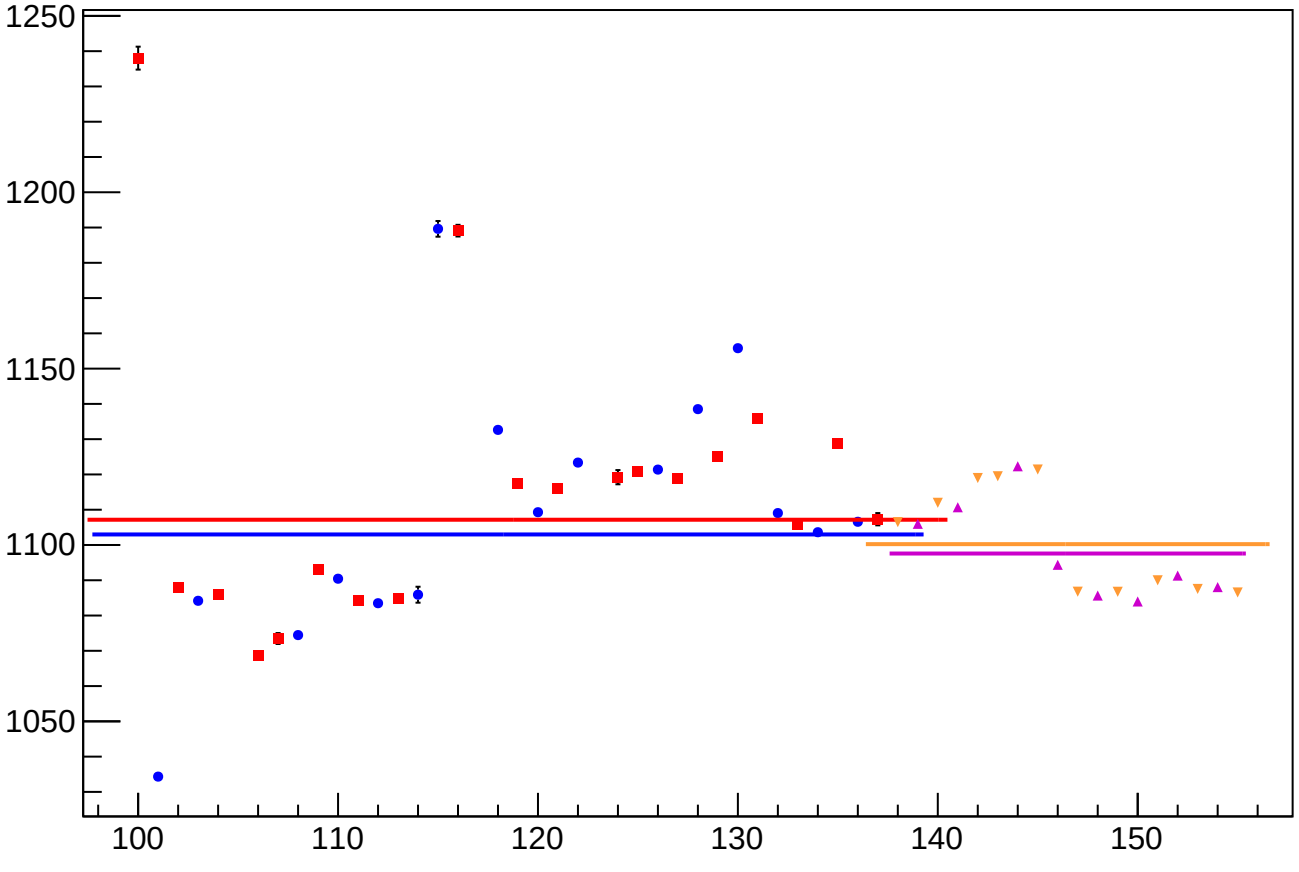
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

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

Out: 2065.619+/-281.476 χ^2/NDF:21.7/28

All: 2335.174+/-202.432 χ^2/NDF: 48.3/52

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1100.239+/-0.278 χ^2/NDF:2696.3/9

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1097.580+/-0.293 χ^2/NDF:1912.1/7

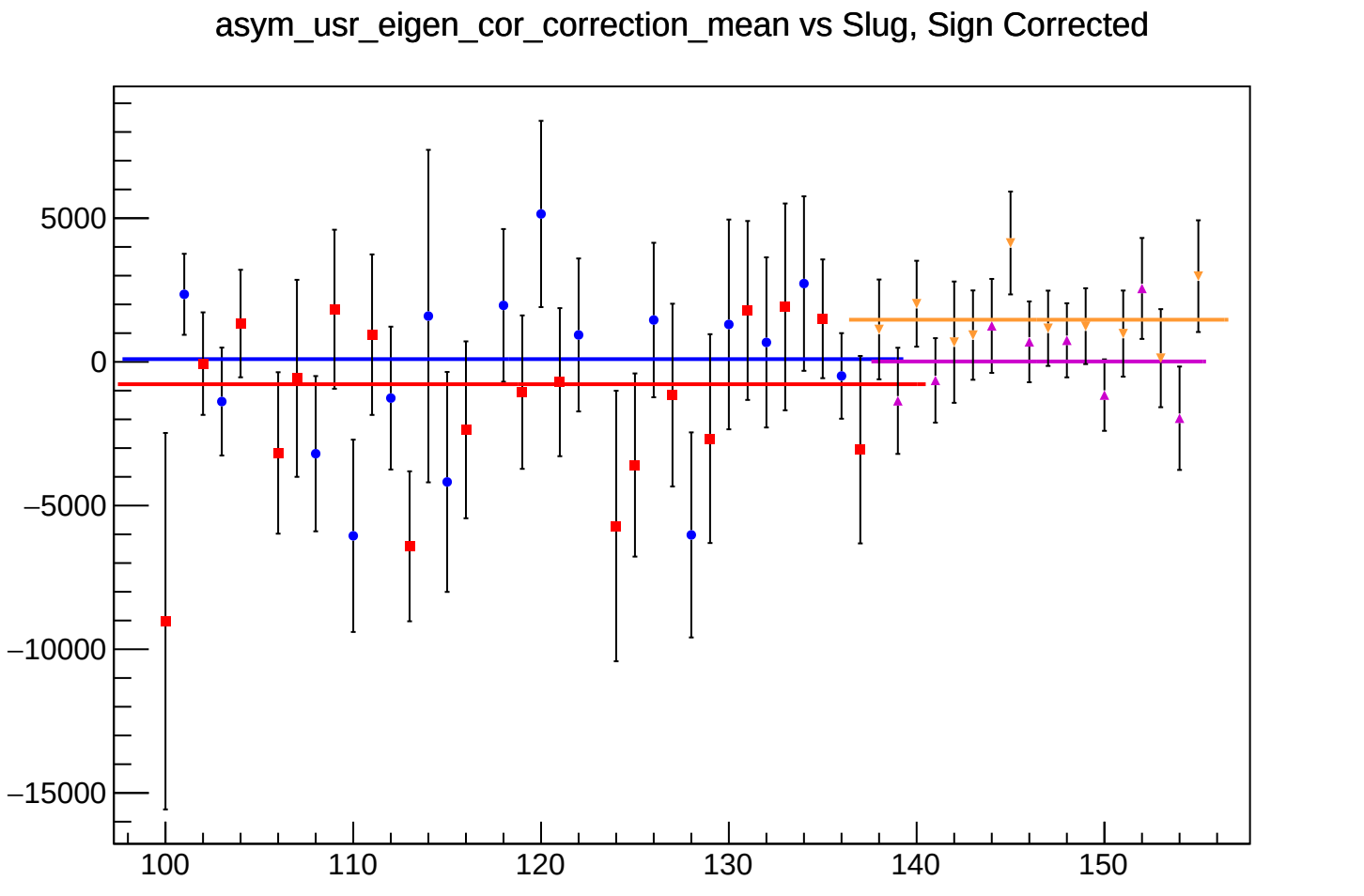
Left: 1098.981+/-0.201 χ^2/NDF: 4651.8/17

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

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

Out: 1103.602+/-0.199 χ^2/NDF:11681.6/28

All: 1102.014+/-0.143 χ^2/NDF: 27121.7/52



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1466.657+/-503.748 χ^2/NDF:4.1/9

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 14.742+/-533.158 χ^2/NDF:6.1/7

Left: 781.848+/-366.159 χ^2/NDF: 14.1/17

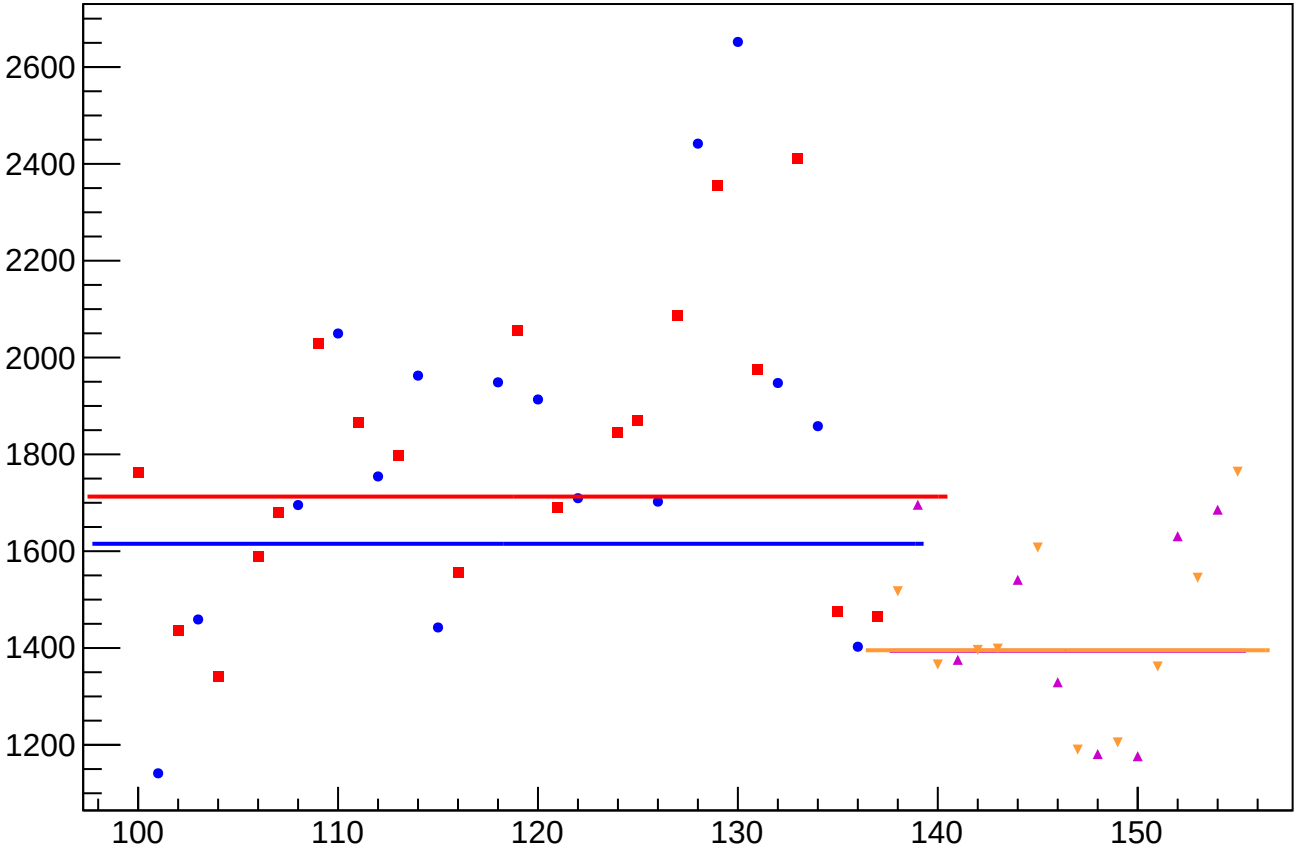
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 49.389+/-403.717 χ^2/NDF:23.0/23

Out: 603.331+/-395.117 χ^2/NDF:26.8/28

All: 332.322+/-282.381 χ^2/NDF: 50.7/52

asym_usr_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1395.392+/-0.356 χ^2/NDF:217846.2/9

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1394.175+/-0.377 χ^2/NDF:278914.1/7

Left: 1394.818+/-0.259 χ^2/NDF: 496765.8/17

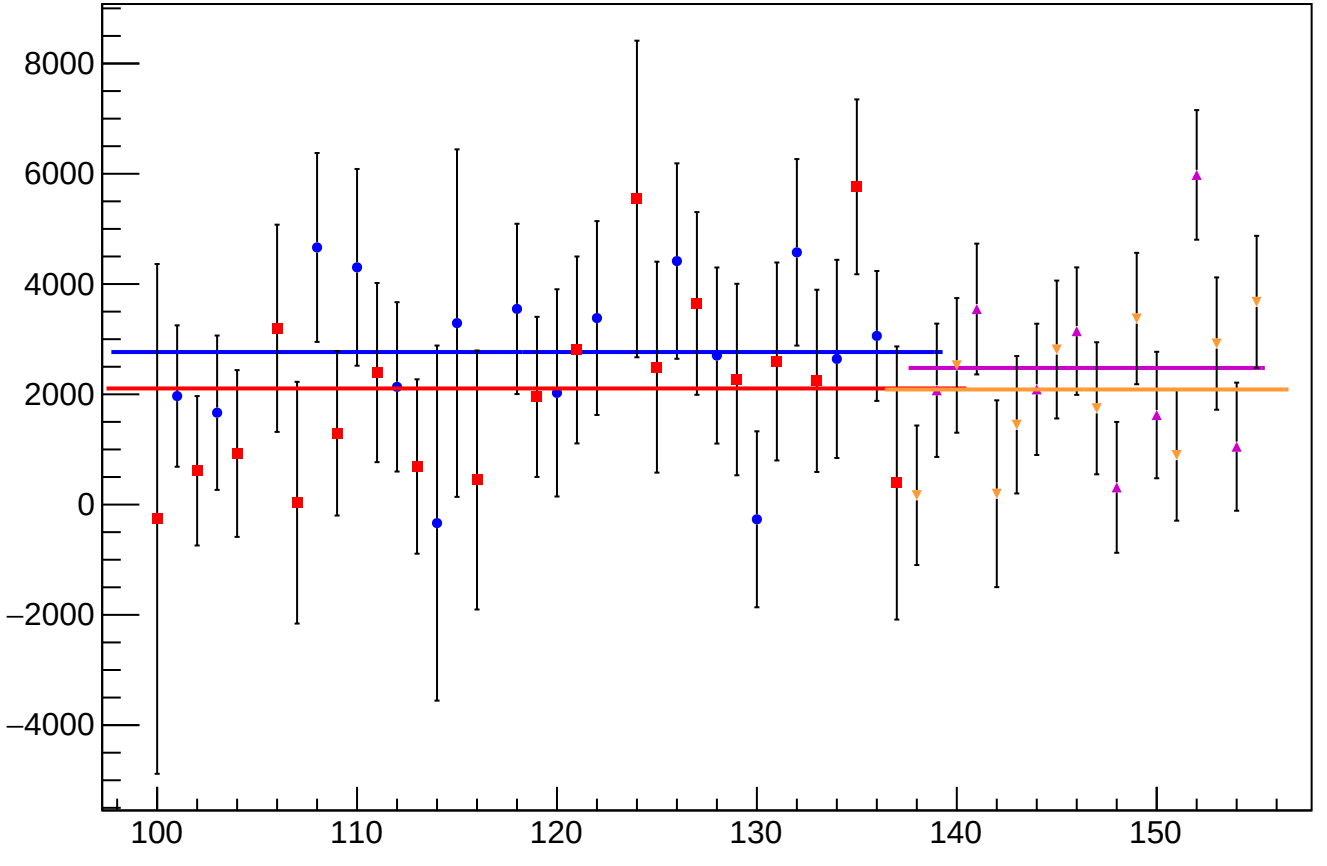
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

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

Out: 1517.526+/-0.279 χ^2/NDF:951440.2/28

All: 1503.334+/-0.200 χ^2/NDF: 2076048.6/52

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2087.793+/-394.417 χ^2/NDF:8.8/9

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2478.112+/-415.792 χ^2/NDF:15.6/7

Left: 2272.662+/-286.153 χ^2/NDF: 24.9/17

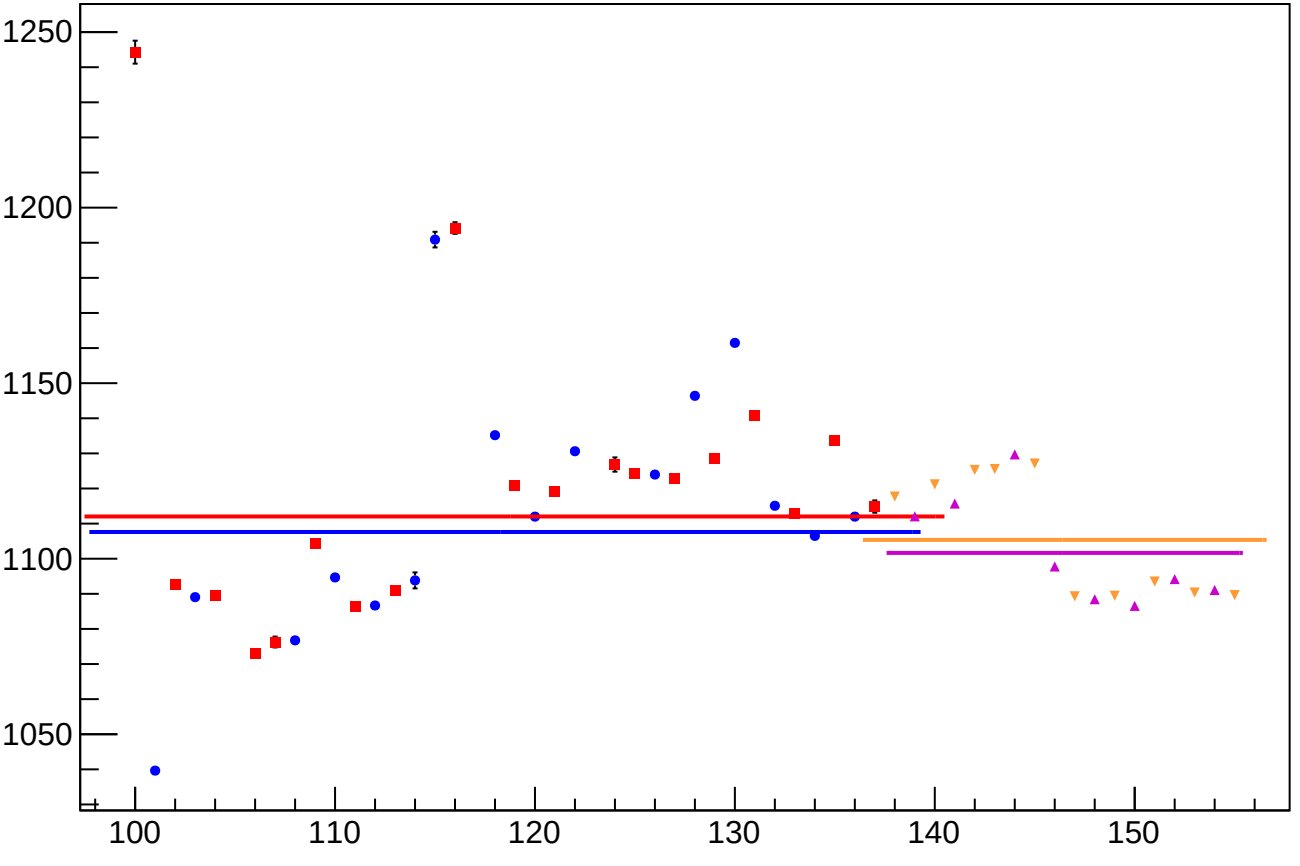
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

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

Out: 2096.816+/-282.761 χ^2/NDF:22.1/28

All: 2351.415+/-203.299 χ^2/NDF: 50.0/52

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1105.363+/-0.279 χ^2/NDF:3506.4/9

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1101.652+/-0.294 χ^2/NDF:2402.0/7

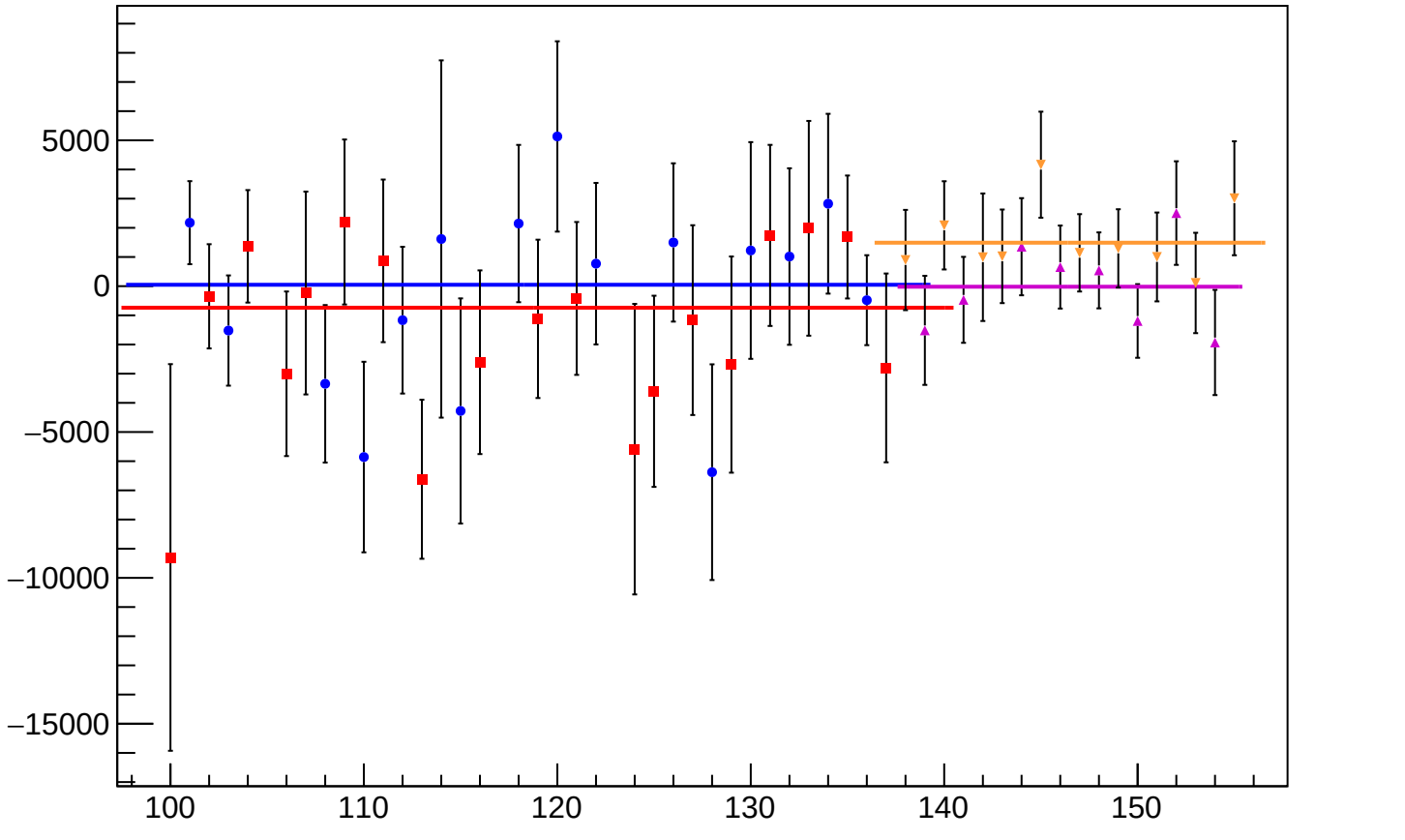
Left: 1103.605+/-0.202 χ^2/NDF: 5992.2/17

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

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

Out: 1108.603+/-0.200 χ^2/NDF:12437.5/28

All: 1106.700+/-0.144 χ^2/NDF: 28455.6/52



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1489.894+/-510.909 χ^2/NDF:4.0/9

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: -19.128+/-538.888 χ^2/NDF:5.8/7

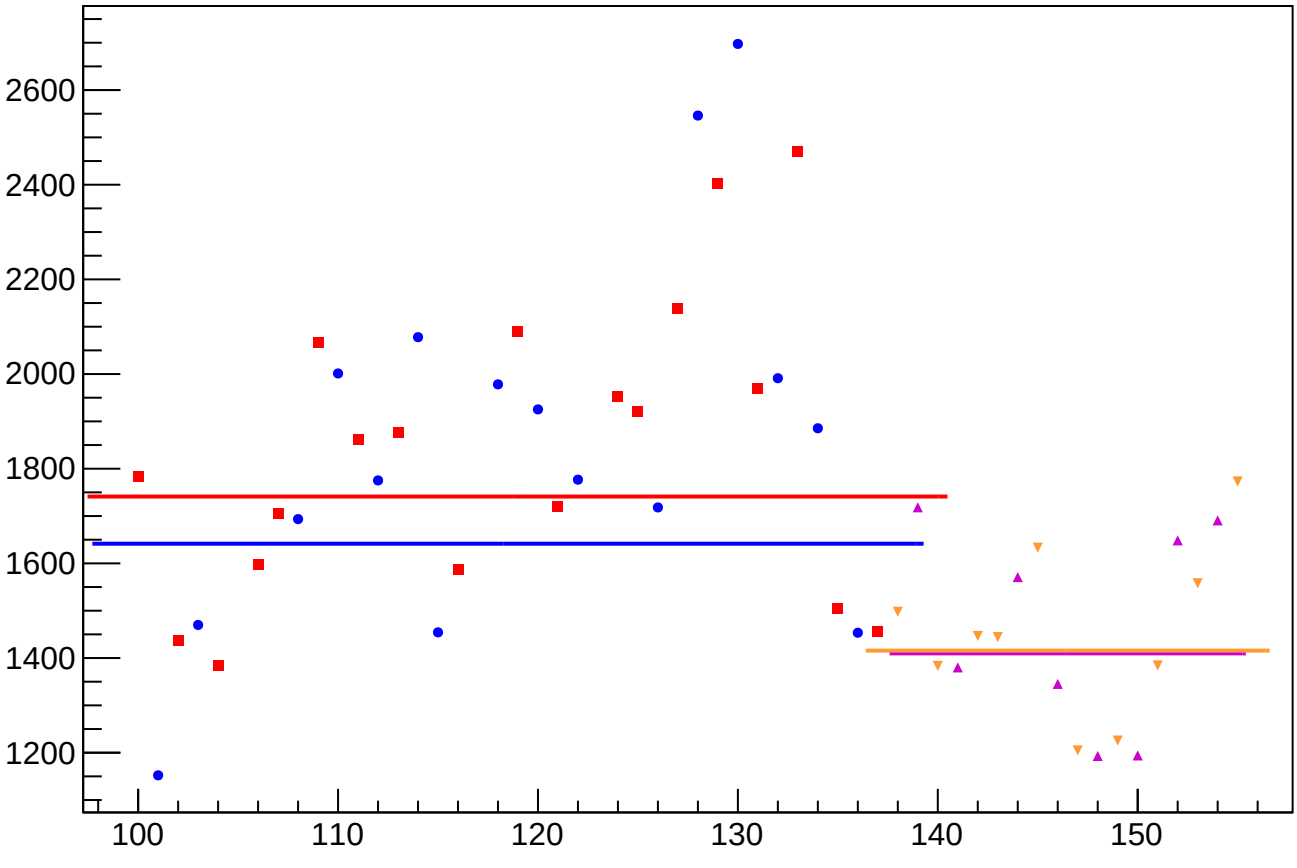
Left: 775.573+/-370.764 χ^2/NDF: 14.0/17

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

In: 9.259+/-408.977 χ^2/NDF:22.7/23

Out: 635.451+/-401.157 χ^2/NDF:26.3/28

All: 328.399+/-286.385 χ^2/NDF: 50.2/52



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1415.654+/-0.361 χ^2/NDF:207304.4/9

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1409.846+/-0.381 χ^2/NDF:276650.0/7

Left: 1412.905+/-0.262 χ^2/NDF: 484076.8/17

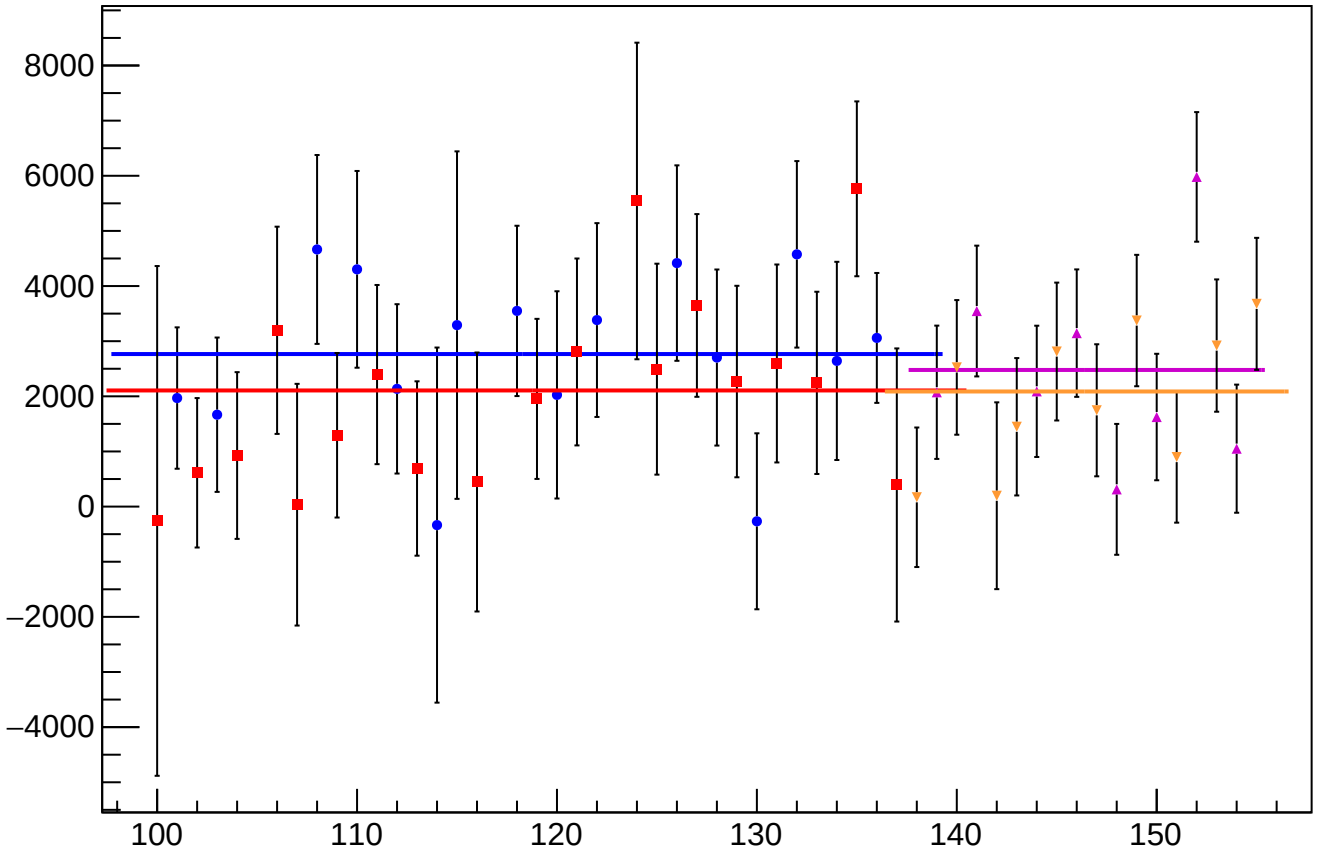
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

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

Out: 1540.497+/-0.284 χ^2/NDF:957041.3/28

All: 1524.606+/-0.203 χ^2/NDF: 2098168.5/52

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2087.793+/-394.417 χ^2/NDF:8.8/9

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2478.111+/-415.792 χ^2/NDF:15.6/7

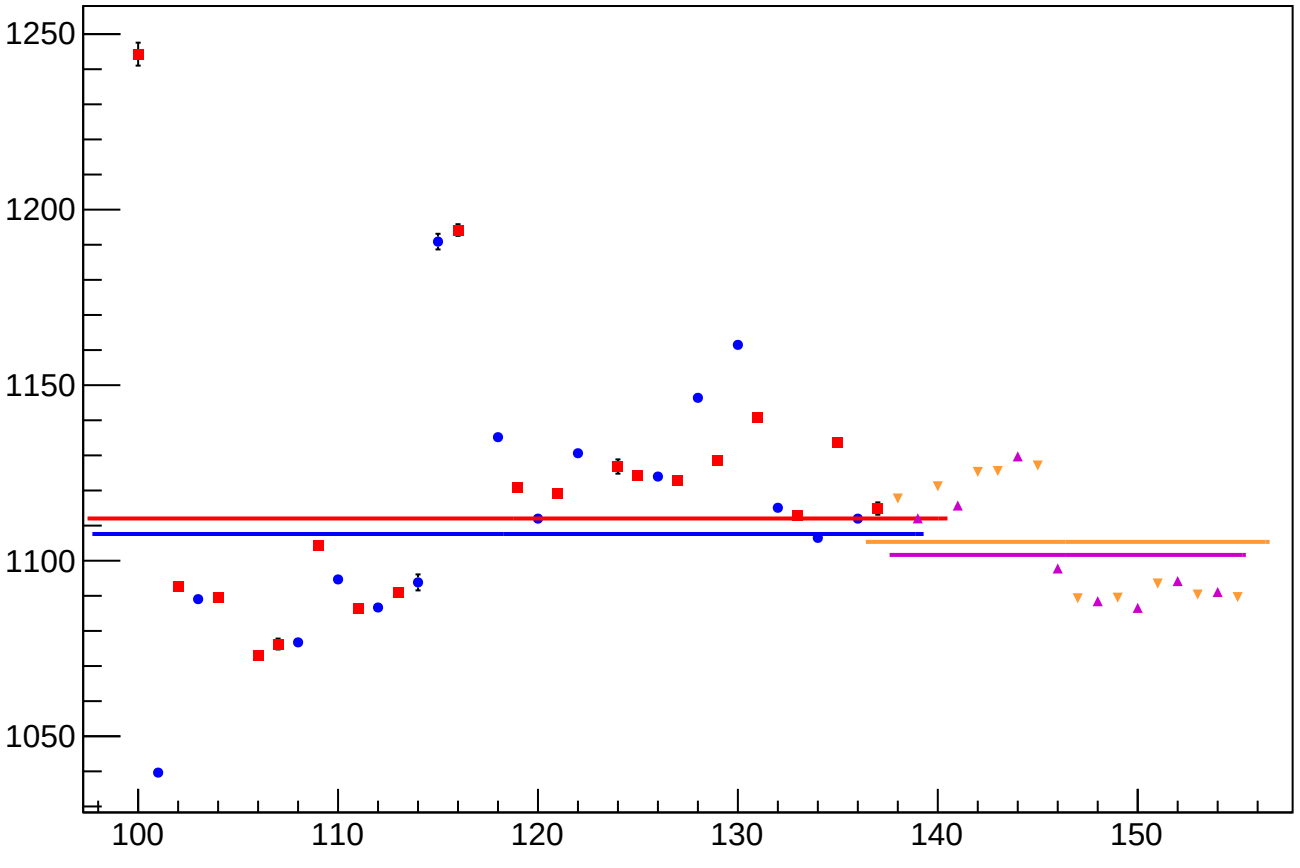
Left: 2272.662+/-286.153 χ^2/NDF: 24.9/17

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

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

Out: 2096.817+/-282.761 χ^2/NDF:22.1/28

All: 2351.416+/-203.299 χ^2/NDF: 50.0/52



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1105.363+/-0.279 χ^2/NDF:3506.4/9

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1101.652+/-0.294 χ^2/NDF:2402.0/7

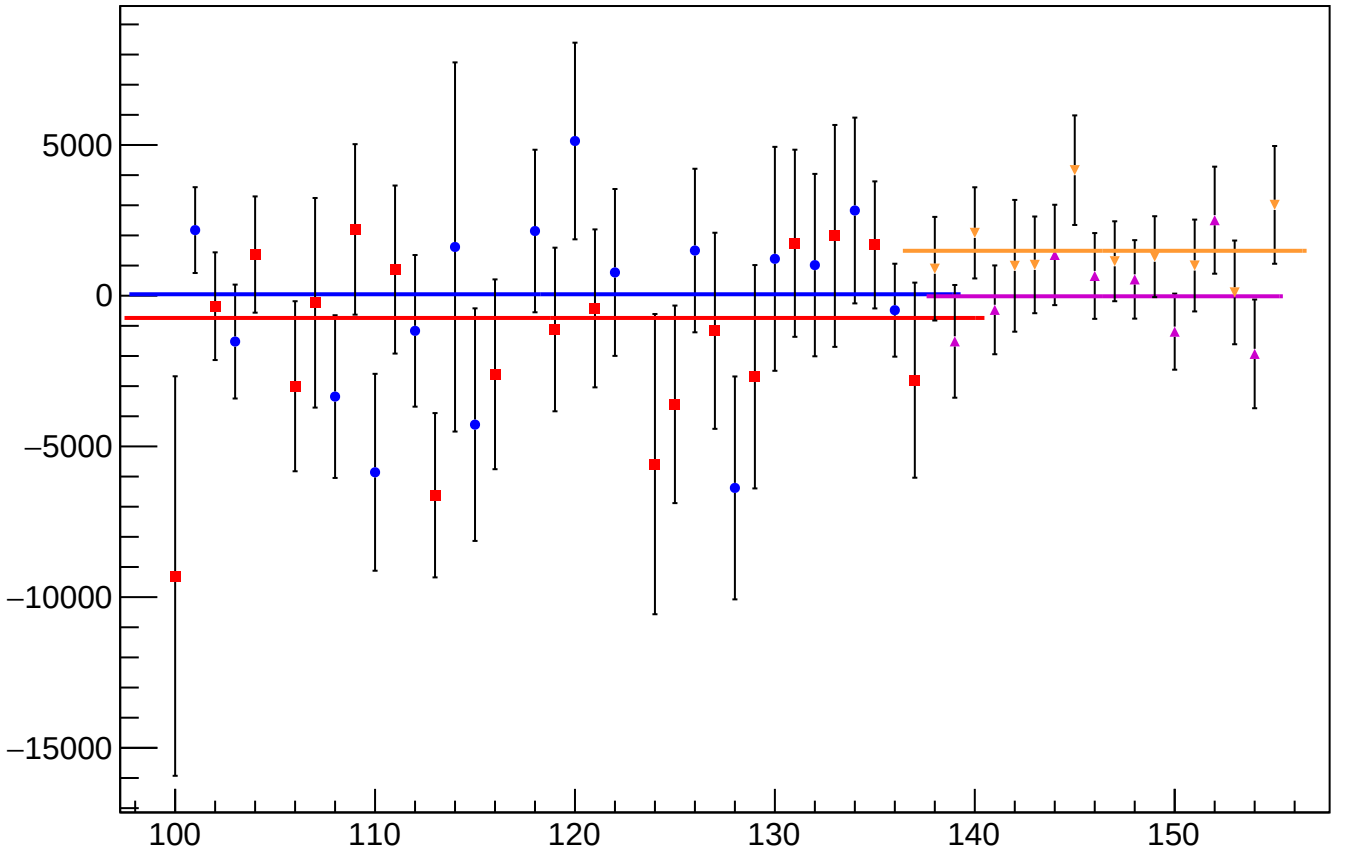
Left: 1103.605+/-0.202 χ^2/NDF: 5992.2/17

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

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

Out: 1108.603+/-0.200 χ^2/NDF:12437.5/28

All: 1106.700+/-0.144 χ^2/NDF: 28455.5/52



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1489.894+/-510.910 χ^2/NDF:4.0/9

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: -19.128+/-538.889 χ^2/NDF:5.8/7

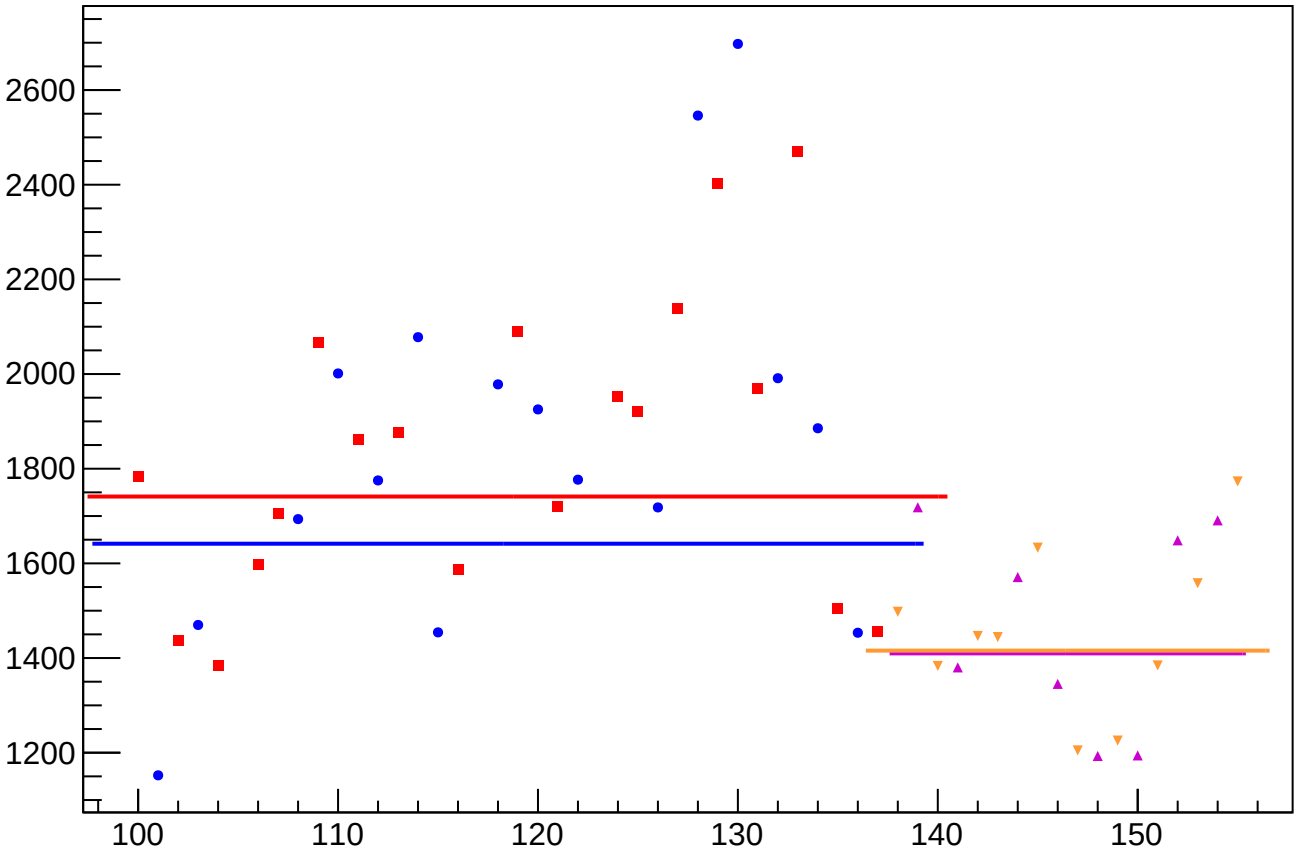
Left: 775.573+/-370.765 χ^2/NDF: 14.0/17

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

In: 9.257+/-408.977 χ^2/NDF:22.7/23

Out: 635.446+/-401.157 χ^2/NDF:26.3/28

All: 328.396+/-286.386 χ^2/NDF: 50.2/52



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1415.657+/-0.361 χ^2/NDF:207307.8/9

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1409.849+/-0.381 χ^2/NDF:276654.5/7

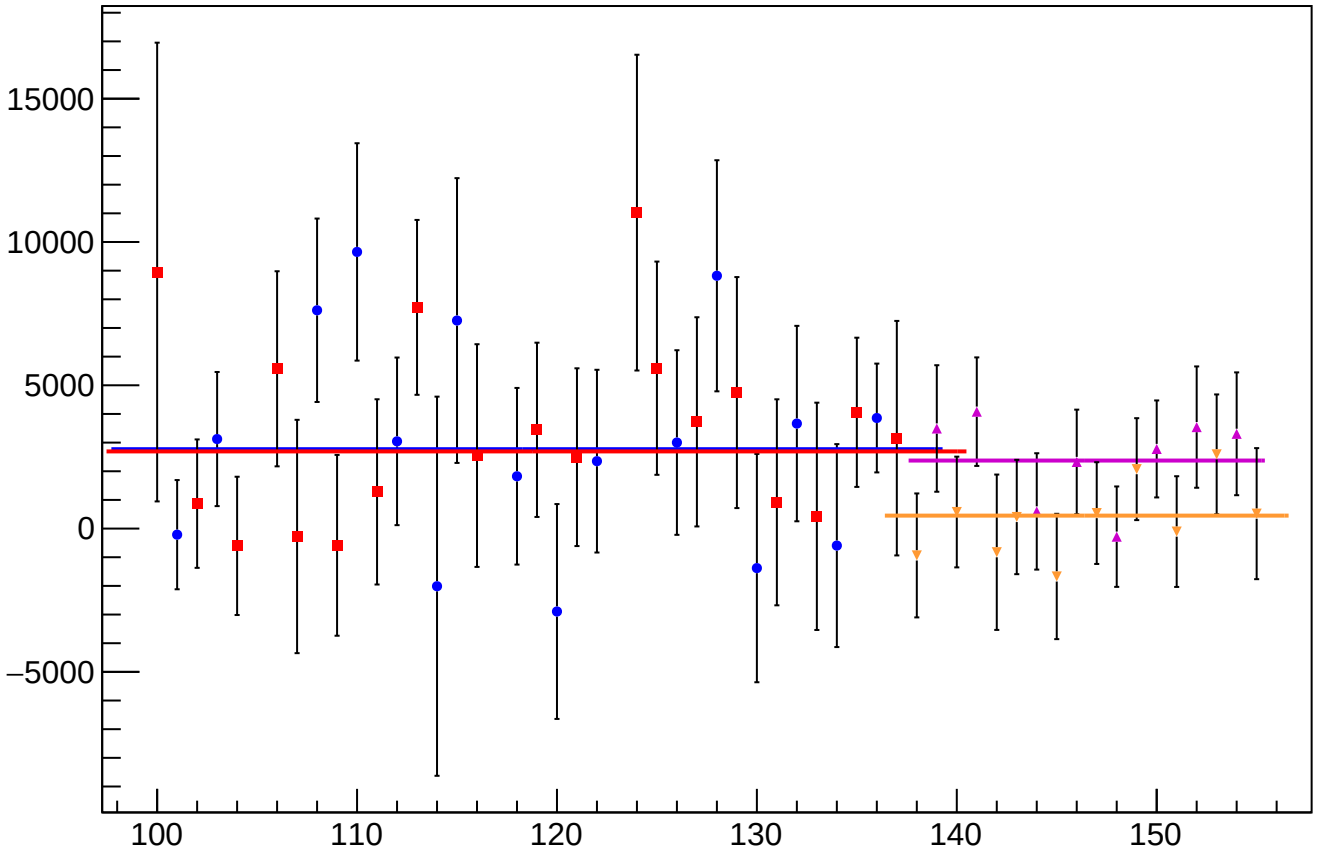
Left: 1412.908+/-0.262 χ^2/NDF: 484084.6/17

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

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

Out: 1540.499+/-0.284 χ^2/NDF:957023.9/28

All: 1524.608+/-0.203 χ^2/NDF: 2098136.8/52



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 452.208+/-645.487 χ^2/NDF:3.5/9

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2373.794+/-683.110 χ^2/NDF:4.7/7

Left: 1358.629+/-469.165 χ^2/NDF: 12.4/17

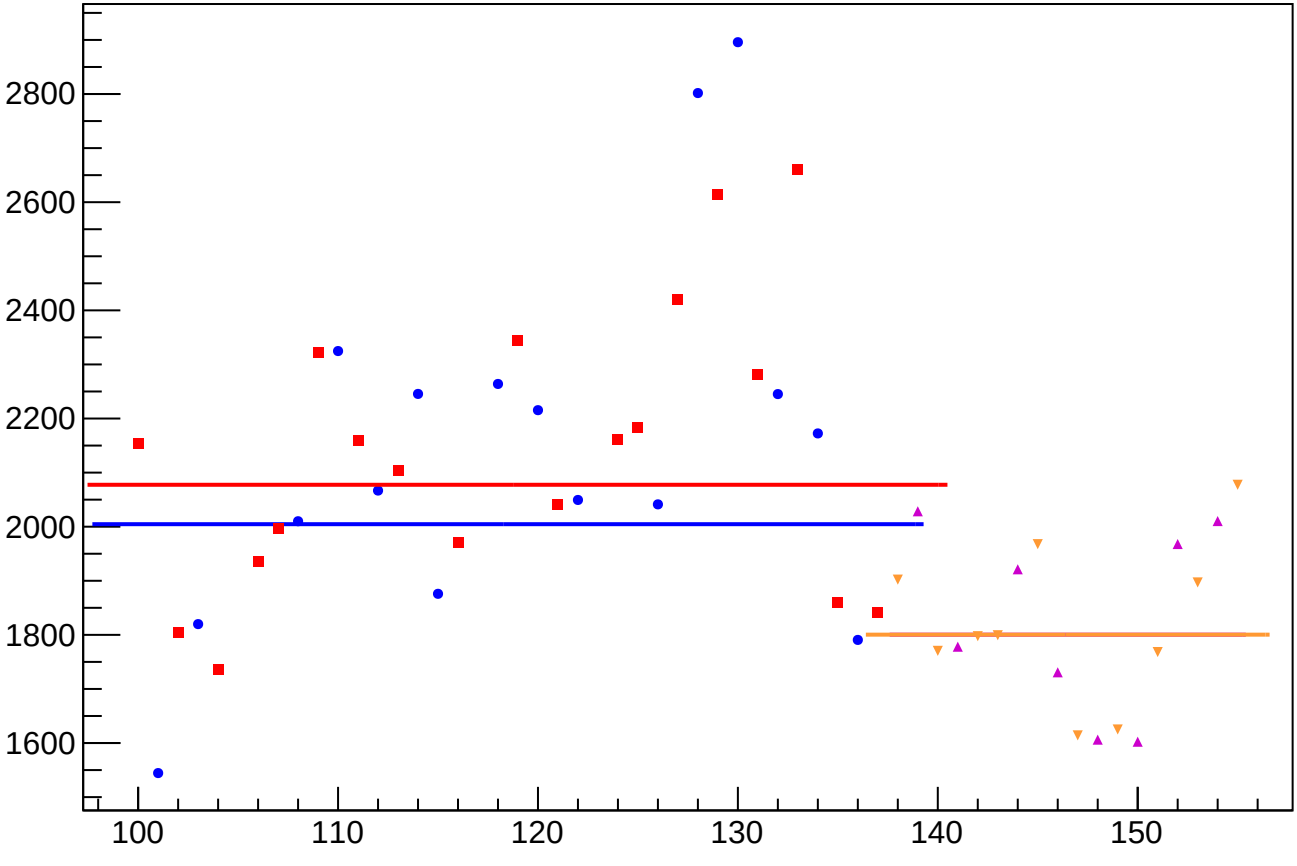
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

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

Out: 1382.863+/-493.536 χ^2/NDF:21.1/28

All: 1951.285+/-353.708 χ^2/NDF: 45.1/52

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1800.381+/-0.456 χ^2/NDF:92277.8/9

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1800.303+/-0.483 χ^2/NDF:115307.1/7

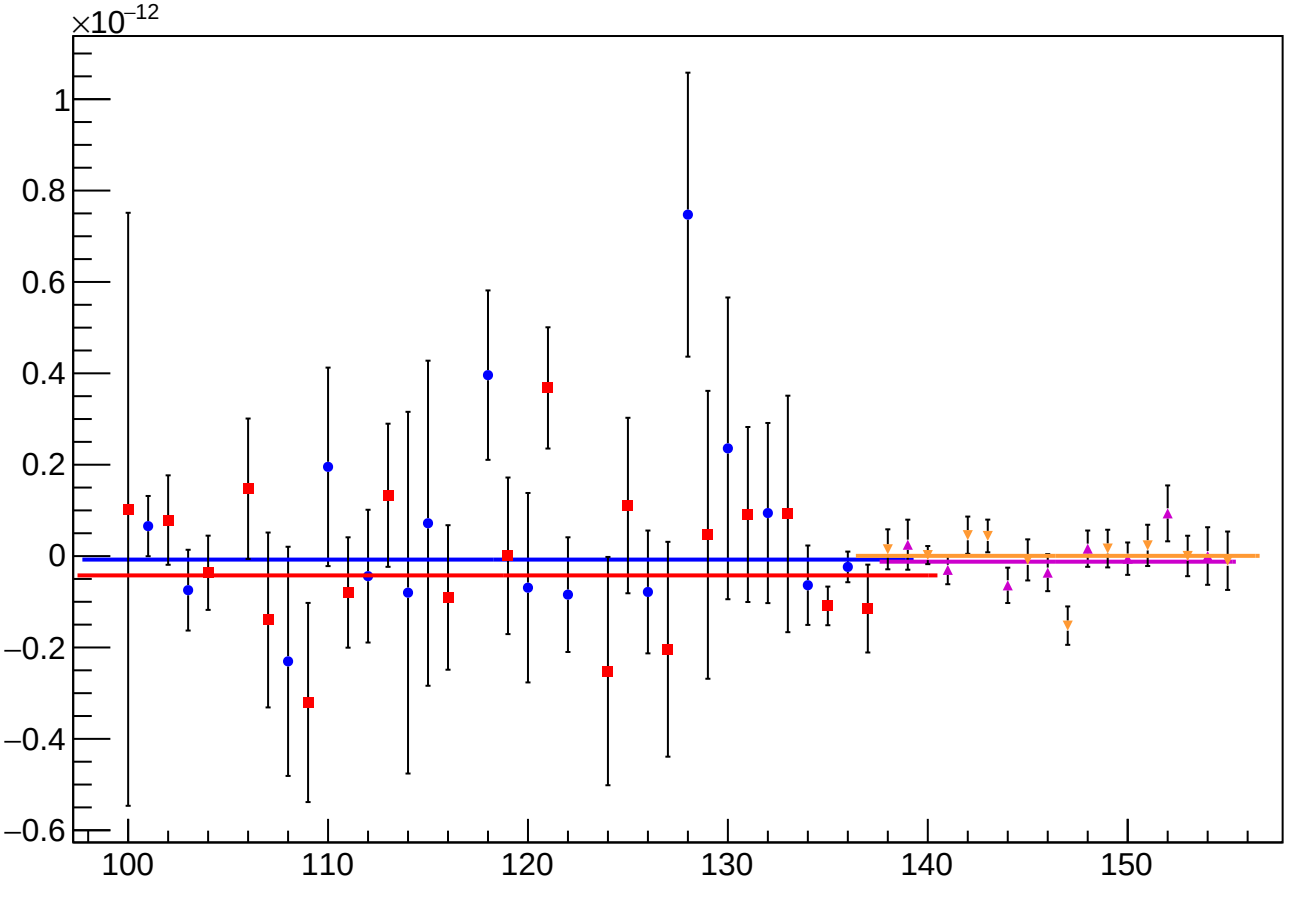
Left: 1800.344+/-0.332 χ^2/NDF: 207584.9/17

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

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

Out: 1915.495+/-0.349 χ^2/NDF:475885.4/28

All: 1904.067+/-0.250 χ^2/NDF: 1061267.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/9

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/7

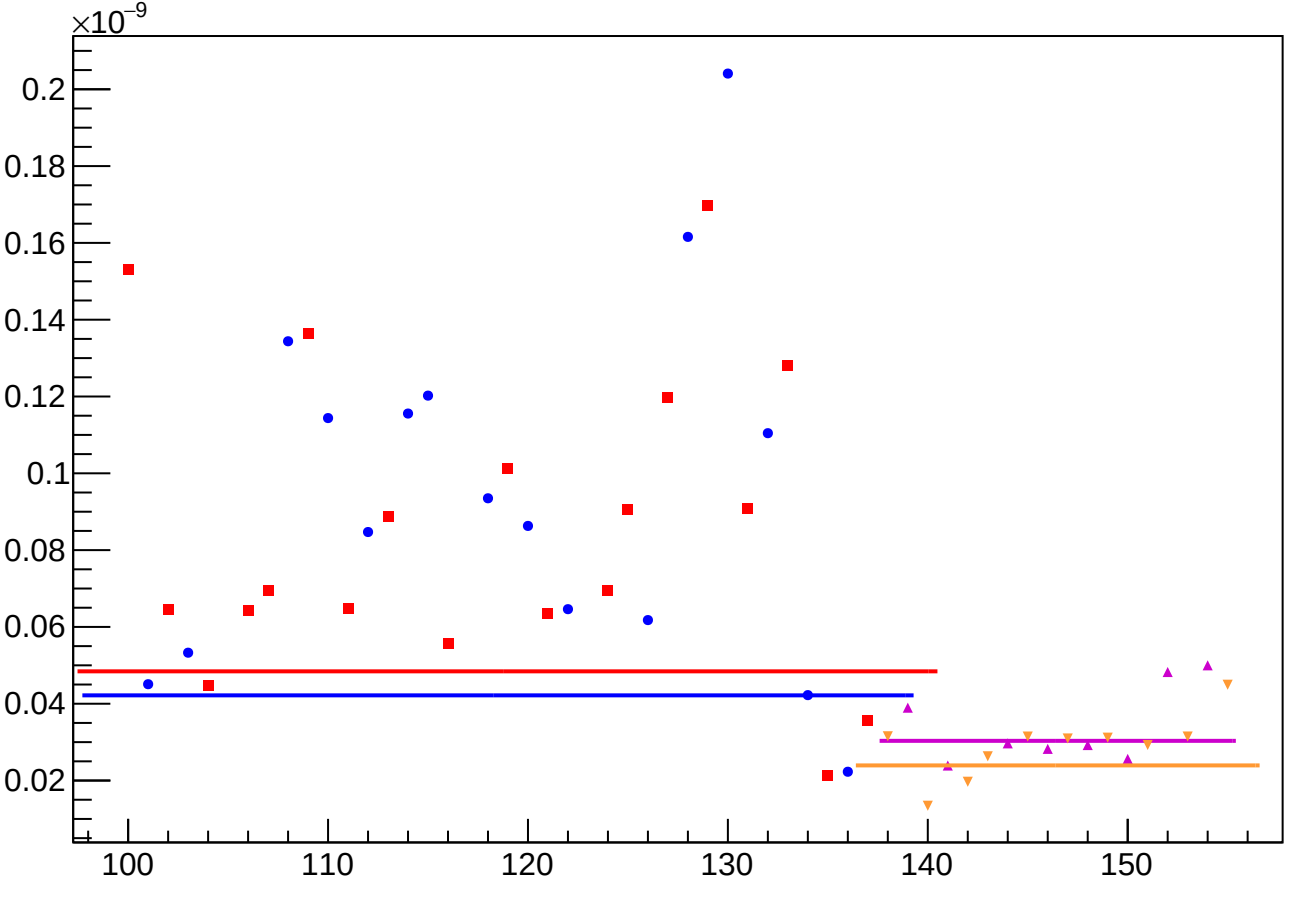
Left: -0.000+/-0.000 χ^2/NDF: 23.5/17

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

In: -0.000+/-0.000 χ^2/NDF:23.0/23

Out: -0.000+/-0.000 χ^2/NDF:40.4/28

All: -0.000+/-0.000 χ^2/NDF: 63.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1127780.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:542165.6/7

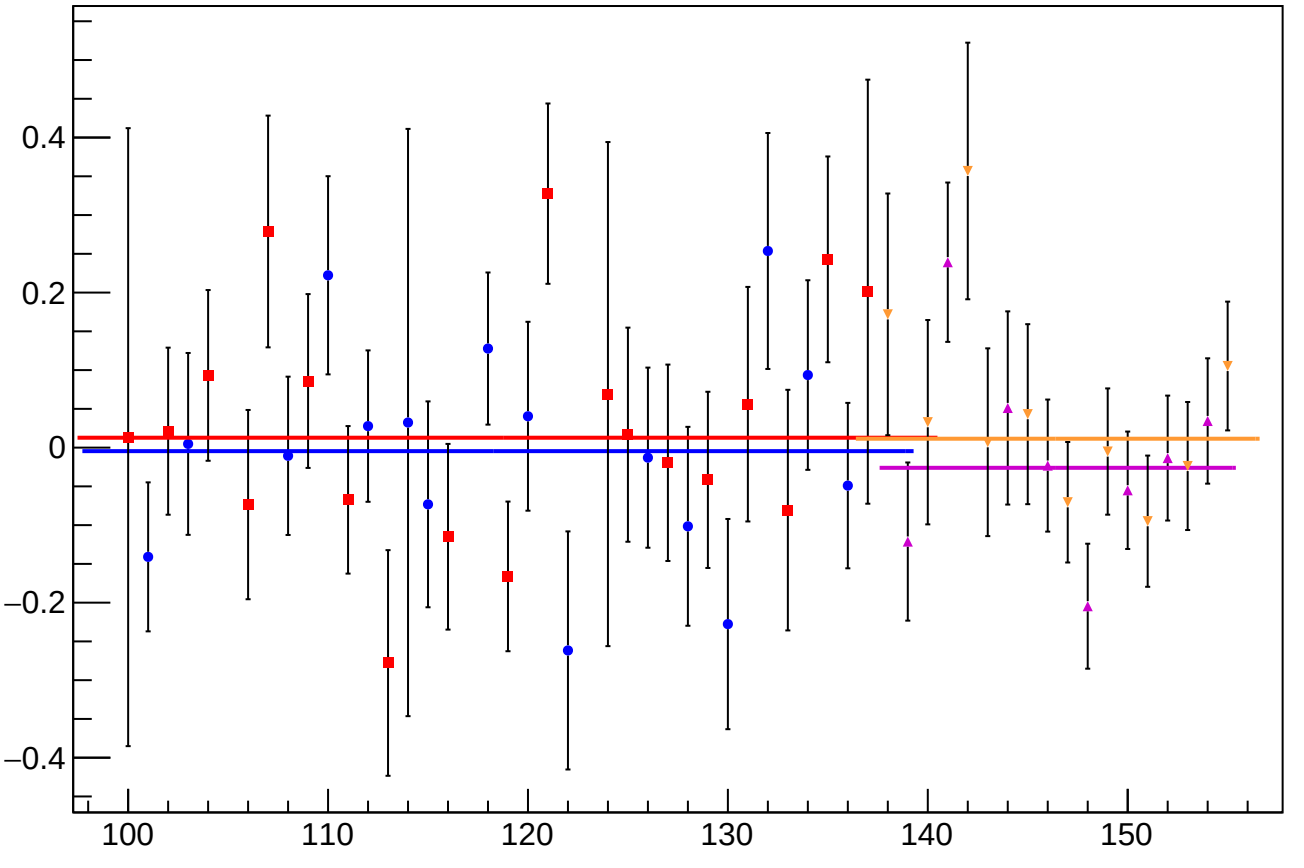
Left: 0.000+/-0.000 χ^2/NDF: 1900528.7/17

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

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

Out: 0.000+/-0.000 χ^2/NDF:5118249.8/28

All: 0.000+/-0.000 χ^2/NDF: 9182423.2/52



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.011+/-0.031 χ^2/NDF:9.7/9

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.026+/-0.031 χ^2/NDF:13.5/7

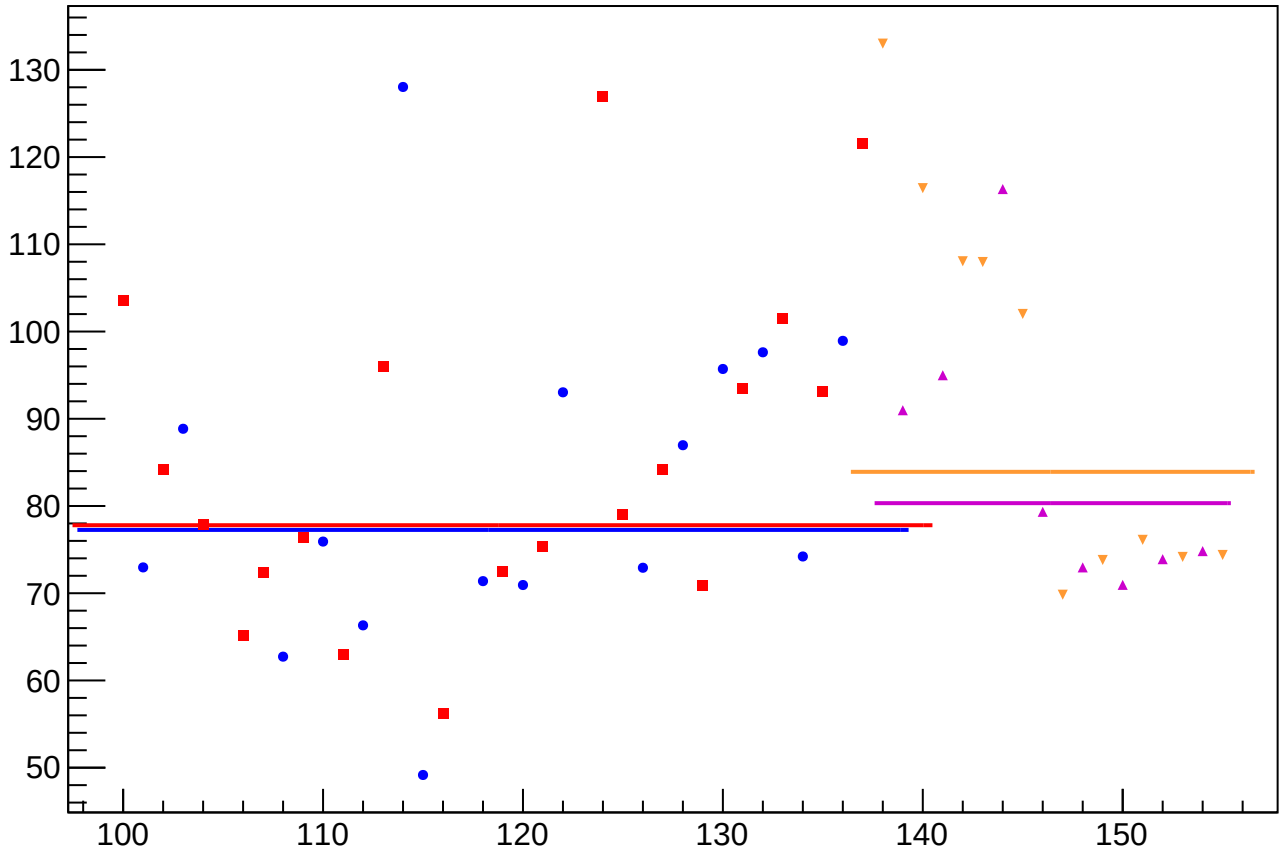
Left: -0.007+/-0.022 χ^2/NDF: 24.0/17

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.022 χ^2/NDF:31.1/23

Out: 0.012+/-0.022 χ^2/NDF:35.2/28

All: -0.001+/-0.015 χ^2/NDF: 67.1/52



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 83.917+/-0.022 χ^2/NDF:657752.3/9

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.325+/-0.022 χ^2/NDF:298977.1/7

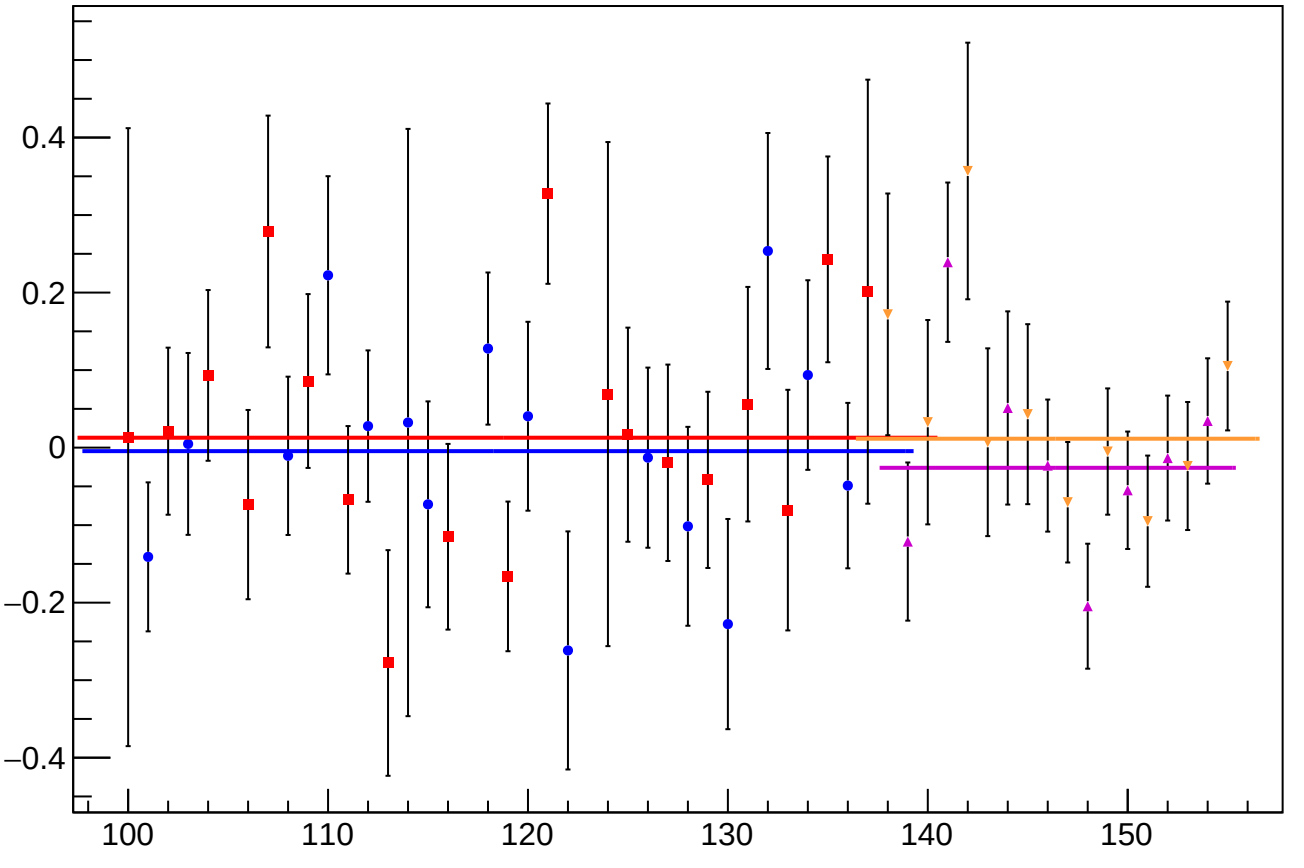
Left: 82.118+/-0.016 χ^2/NDF: 969973.6/17

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

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

Out: 80.705+/-0.015 χ^2/NDF:1094530.3/28

All: 79.725+/-0.011 χ^2/NDF: 1831151.7/52



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.011+/-0.031 χ^2/NDF:9.7/9

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.026+/-0.031 χ^2/NDF:13.5/7

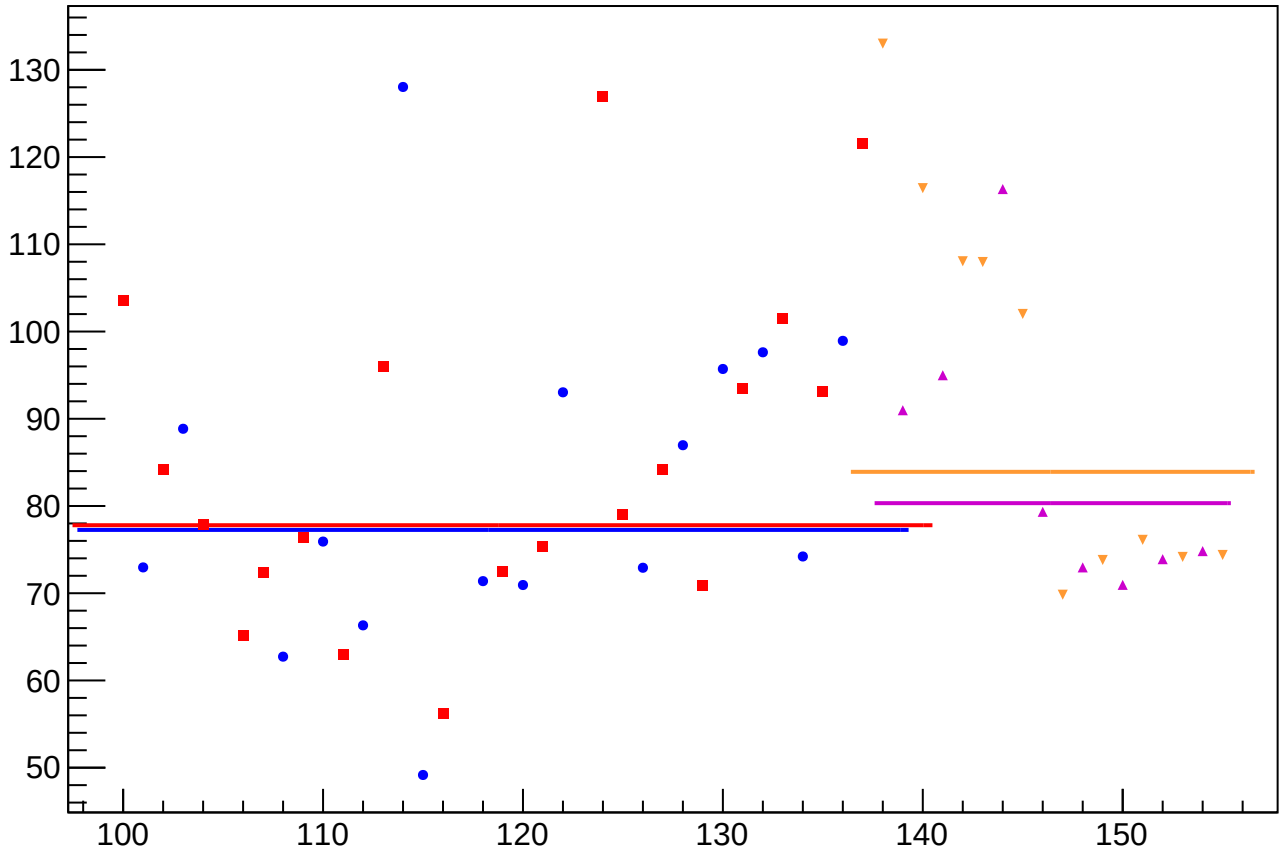
Left: -0.007+/-0.022 χ^2/NDF: 24.0/17

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.022 χ^2/NDF:31.1/23

Out: 0.012+/-0.022 χ^2/NDF:35.2/28

All: -0.001+/-0.015 χ^2/NDF: 67.1/52



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 83.917+/-0.022 χ^2/NDF:657752.3/9

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 80.325+/-0.022 χ^2/NDF:298977.1/7

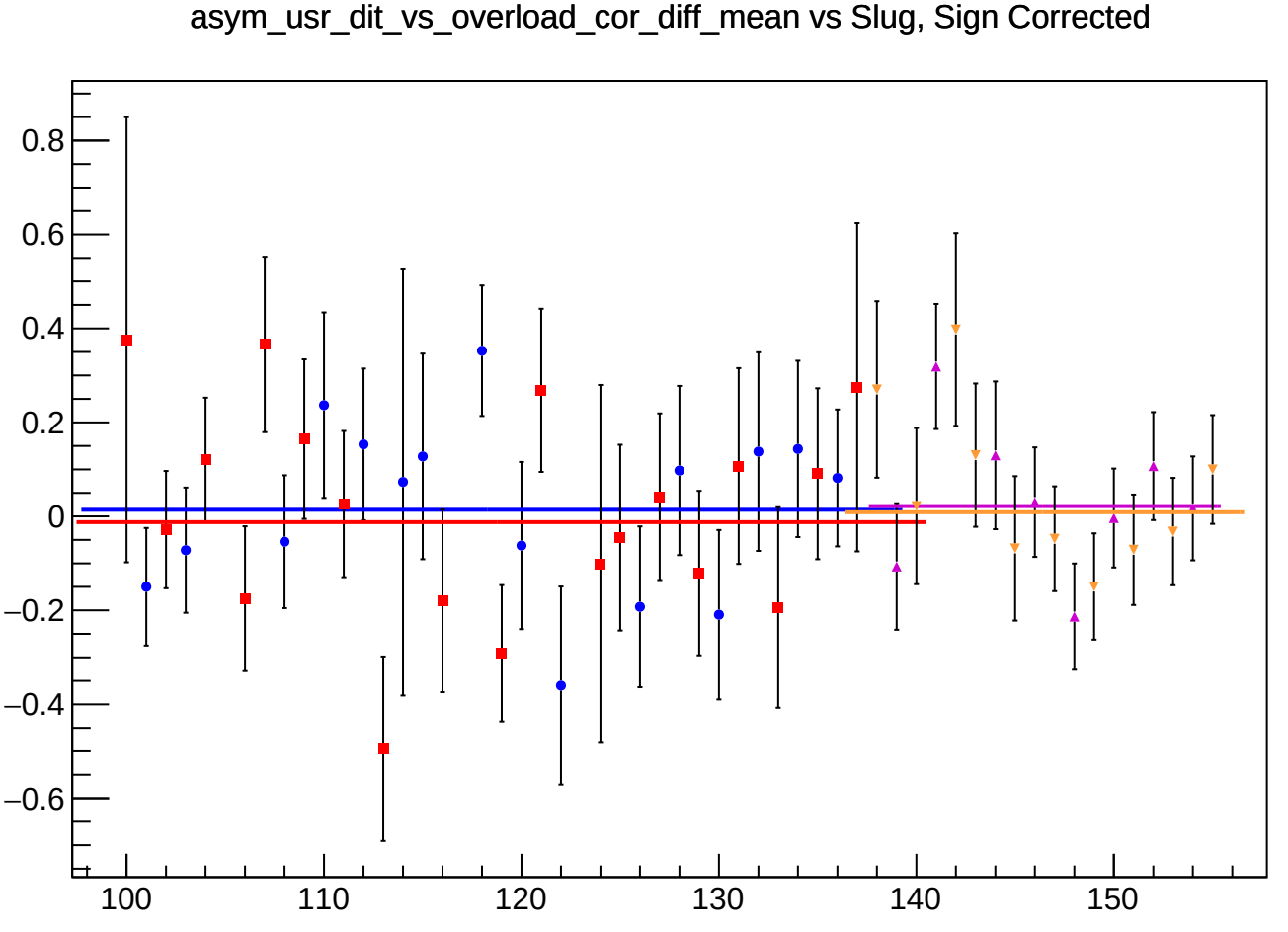
Left: 82.118+/-0.016 χ^2/NDF: 969973.6/17

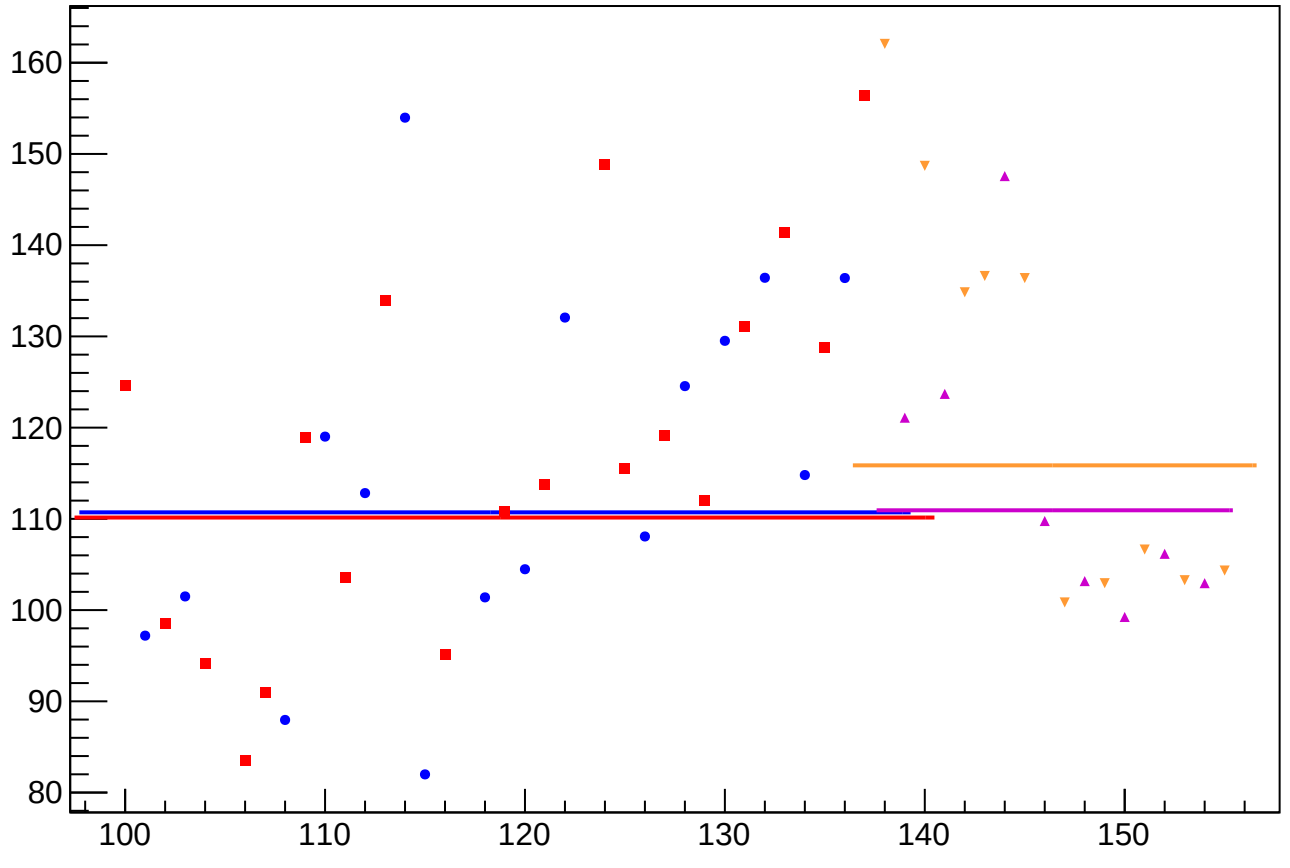
Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

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

Out: 80.705+/-0.015 χ^2/NDF:1094530.3/28

All: 79.725+/-0.011 χ^2/NDF: 1831151.7/52


asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.009+/-0.042 χ²/NDF:9.8/9
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.022+/-0.043 χ²/NDF:11.3/7
Left: 0.015+/-0.030 χ²/NDF: 21.2/17
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.018+/-0.030 χ²/NDF:29.5/23
Out: -0.002+/-0.030 χ²/NDF:33.7/28
All: 0.008+/-0.021 χ²/NDF: 63.5/52



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 115.865+/-0.030 χ^2/NDF:407937.6/9

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 110.939+/-0.030 χ^2/NDF:186538.0/7

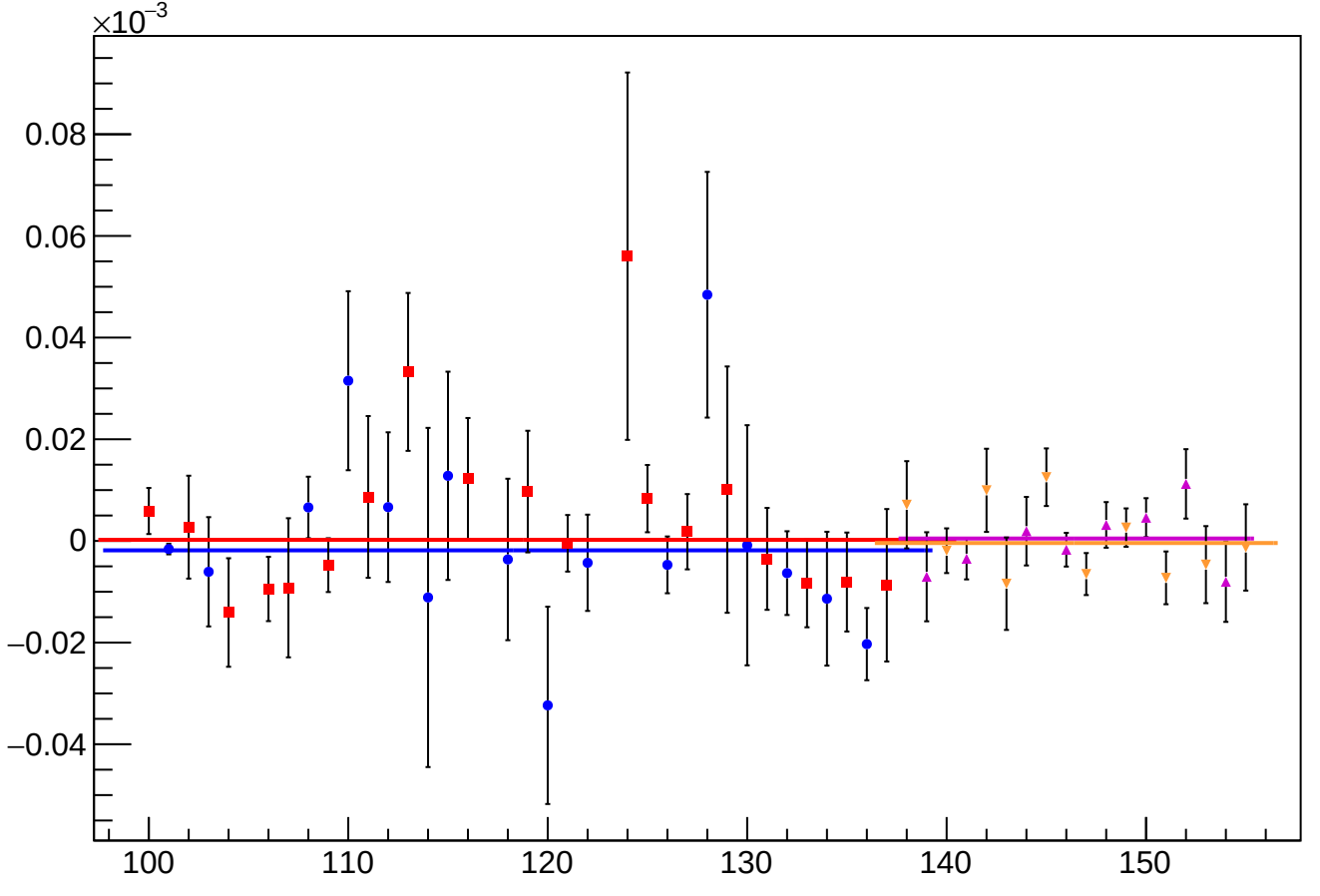
Left: 113.412+/-0.021 χ^2/NDF: 607916.8/17

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

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

Out: 112.930+/-0.021 χ^2/NDF:753337.8/28

All: 111.892+/-0.015 χ^2/NDF: 1244864.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/7

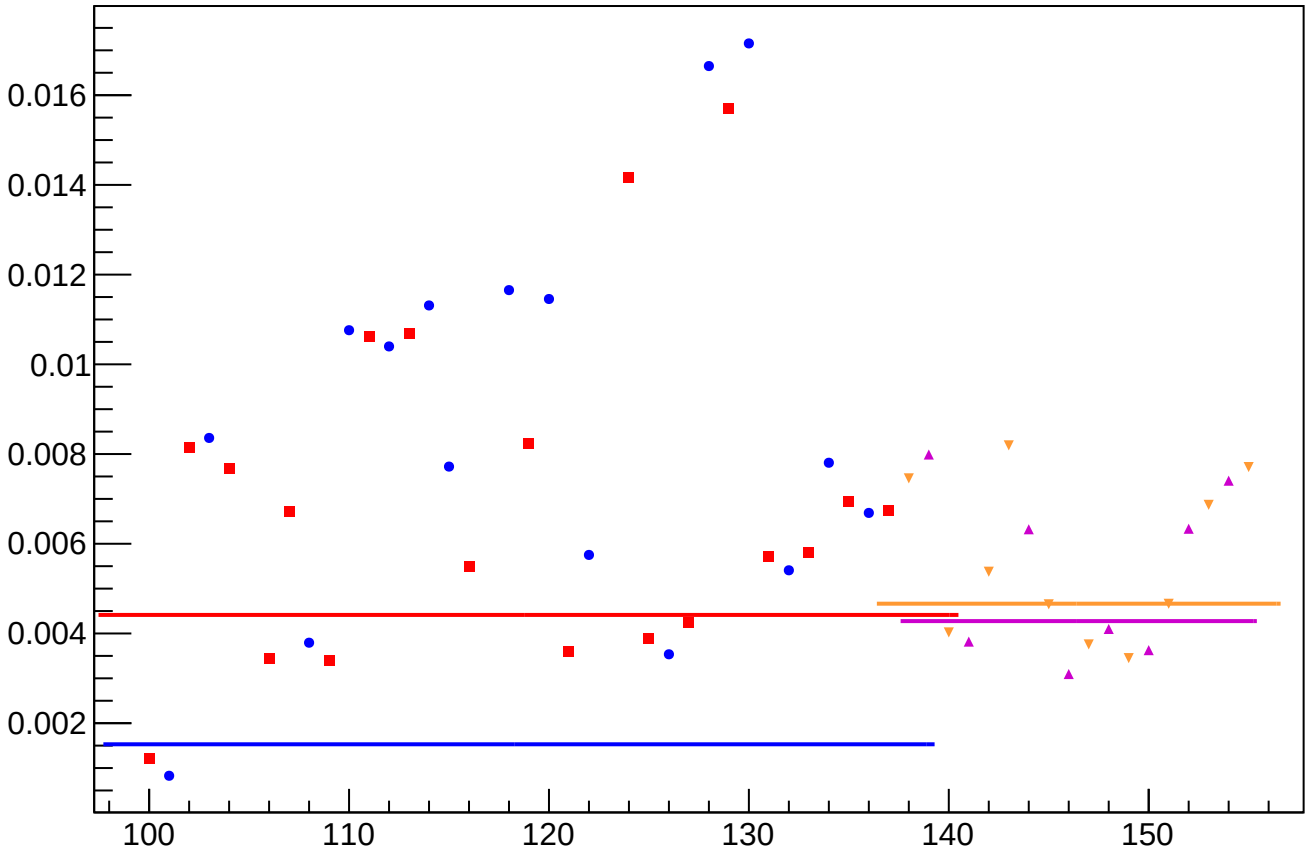
Left: 0.000+/-0.000 χ^2/NDF: 20.8/17

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

In: -0.000+/-0.000 χ^2/NDF:30.1/23

Out: -0.000+/-0.000 χ^2/NDF:33.3/28

All: -0.000+/-0.000 χ^2/NDF: 64.0/52



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1300548.4/9

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.004+/-0.000 χ^2/NDF:1378724.2/7

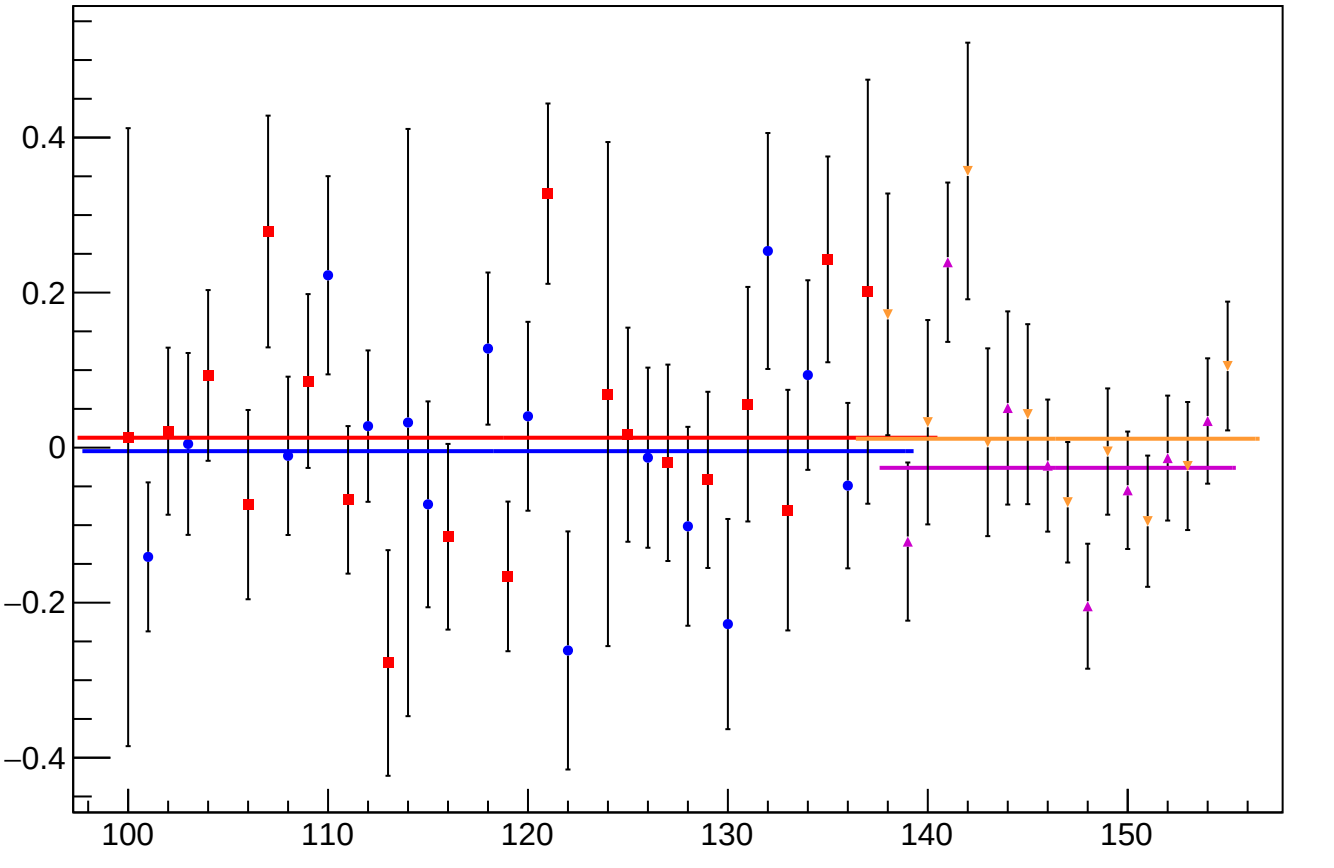
Left: 0.004+/-0.000 χ^2/NDF: 2729117.4/17

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

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

Out: 0.005+/-0.000 χ^2/NDF:4707000.8/28

All: 0.003+/-0.000 χ^2/NDF: 23782925.6/52



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.011+/-0.031 χ^2/NDF:9.7/9

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.026+/-0.031 χ^2/NDF:13.5/7

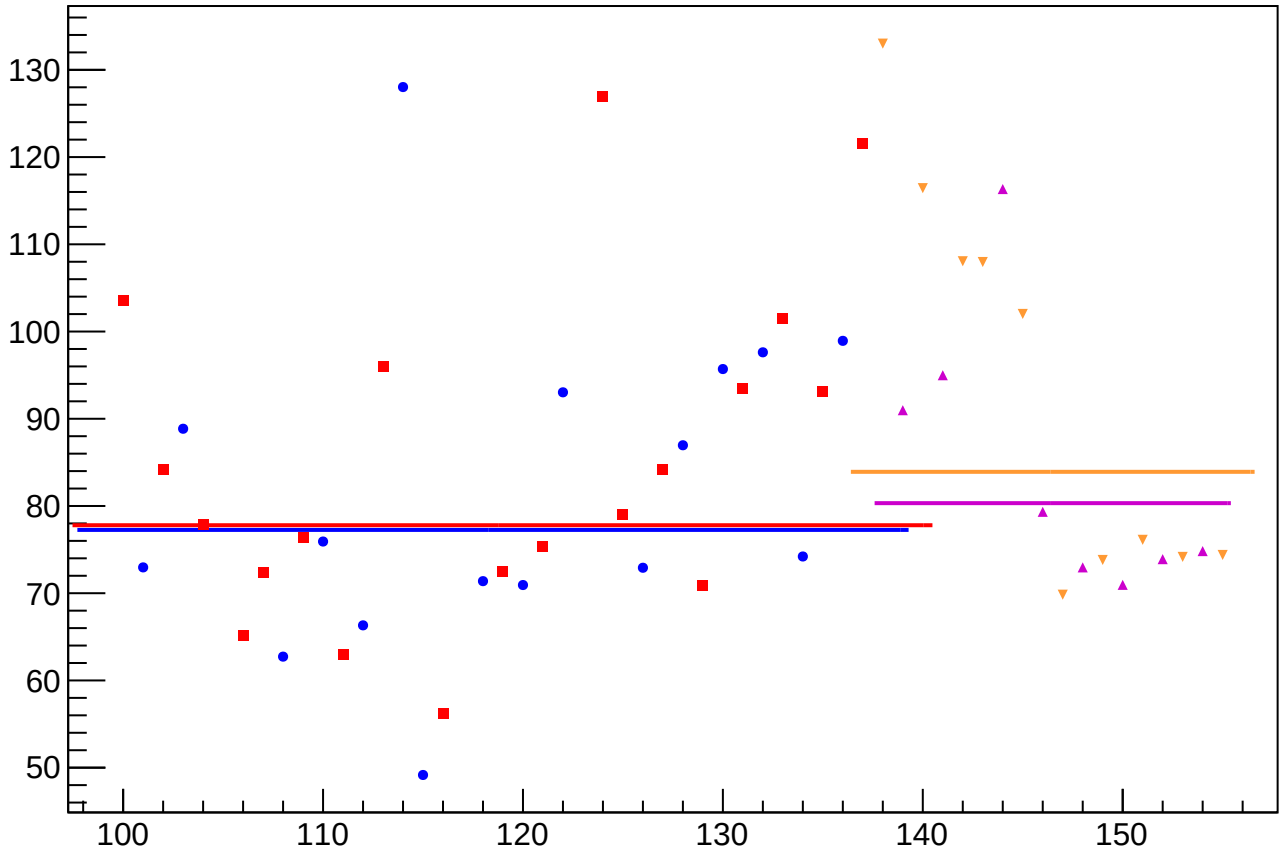
Left: -0.007+/-0.022 χ^2/NDF: 24.0/17

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.022 χ^2/NDF:31.1/23

Out: 0.012+/-0.022 χ^2/NDF:35.2/28

All: -0.001+/-0.015 χ^2/NDF: 67.1/52



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 83.917+/-0.022 χ^2/NDF:657759.2/9

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.325+/-0.022 χ^2/NDF:298983.2/7

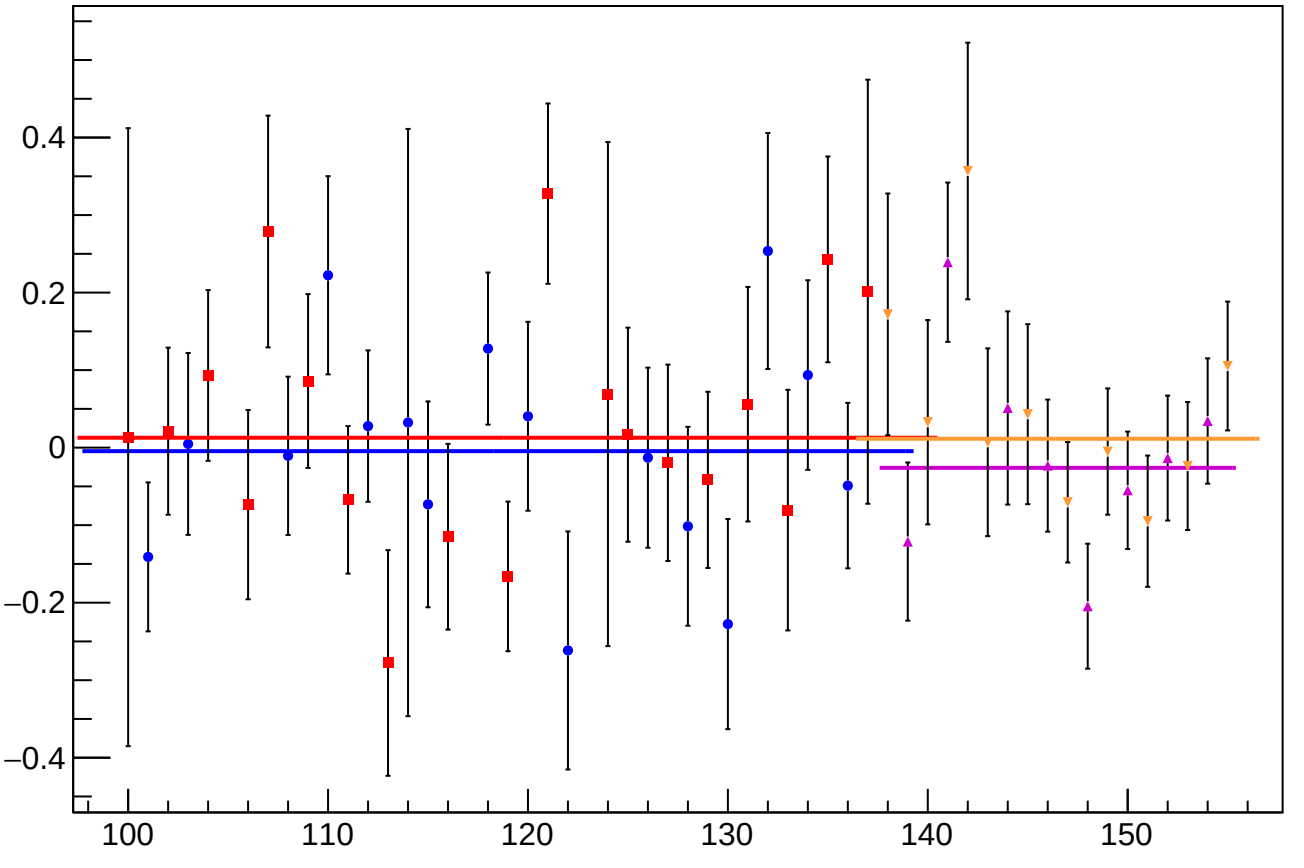
Left: 82.118+/-0.016 χ^2/NDF: 969987.1/17

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

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

Out: 80.704+/-0.015 χ^2/NDF:1094558.0/28

All: 79.724+/-0.011 χ^2/NDF: 1831183.2/52



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.011+/-0.031 χ^2/NDF:9.7/9

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.026+/-0.031 χ^2/NDF:13.5/7

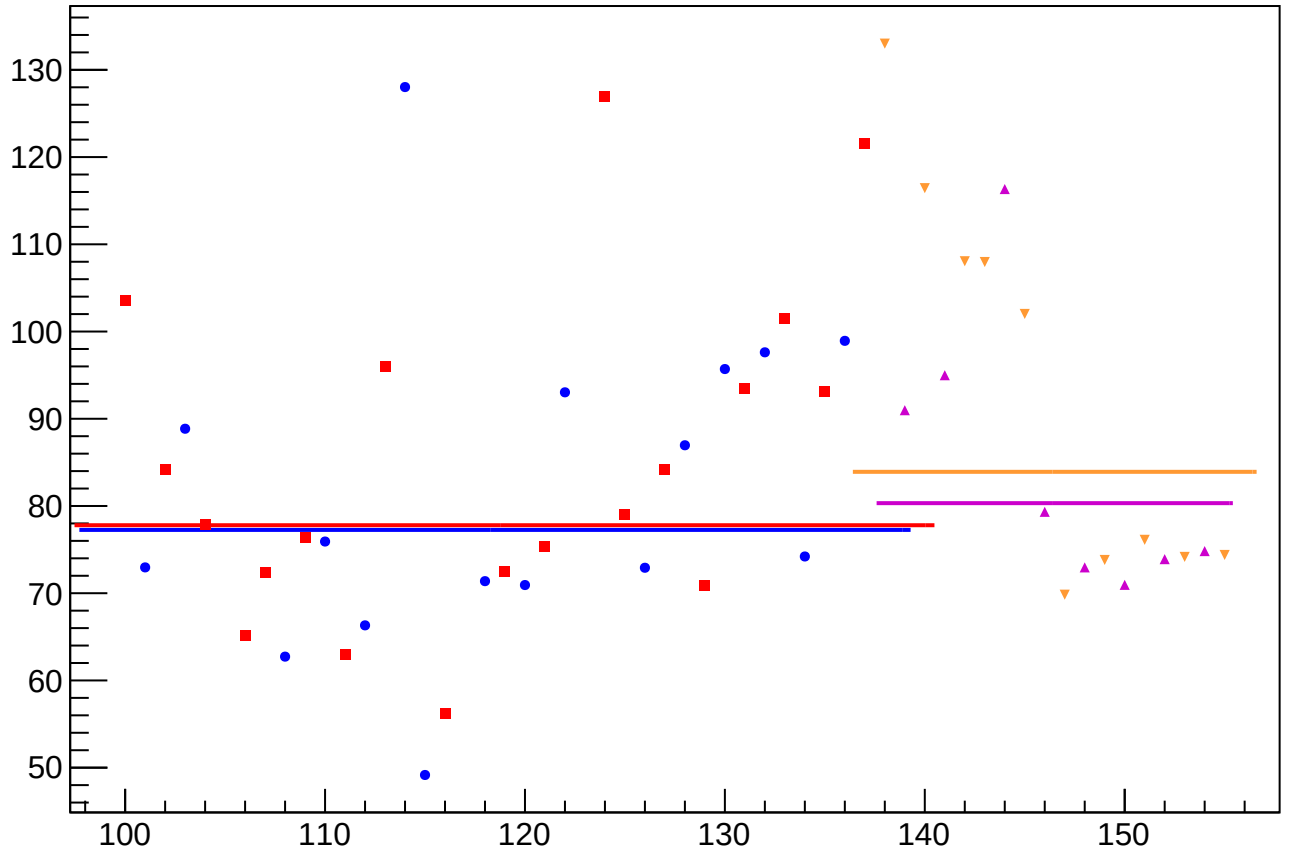
Left: -0.007+/-0.022 χ^2/NDF: 24.0/17

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.022 χ^2/NDF:31.1/23

Out: 0.012+/-0.022 χ^2/NDF:35.2/28

All: -0.001+/-0.015 χ^2/NDF: 67.1/52



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 83.917+/-0.022 χ^2/NDF:657759.2/9

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 80.325+/-0.022 χ^2/NDF:298983.2/7

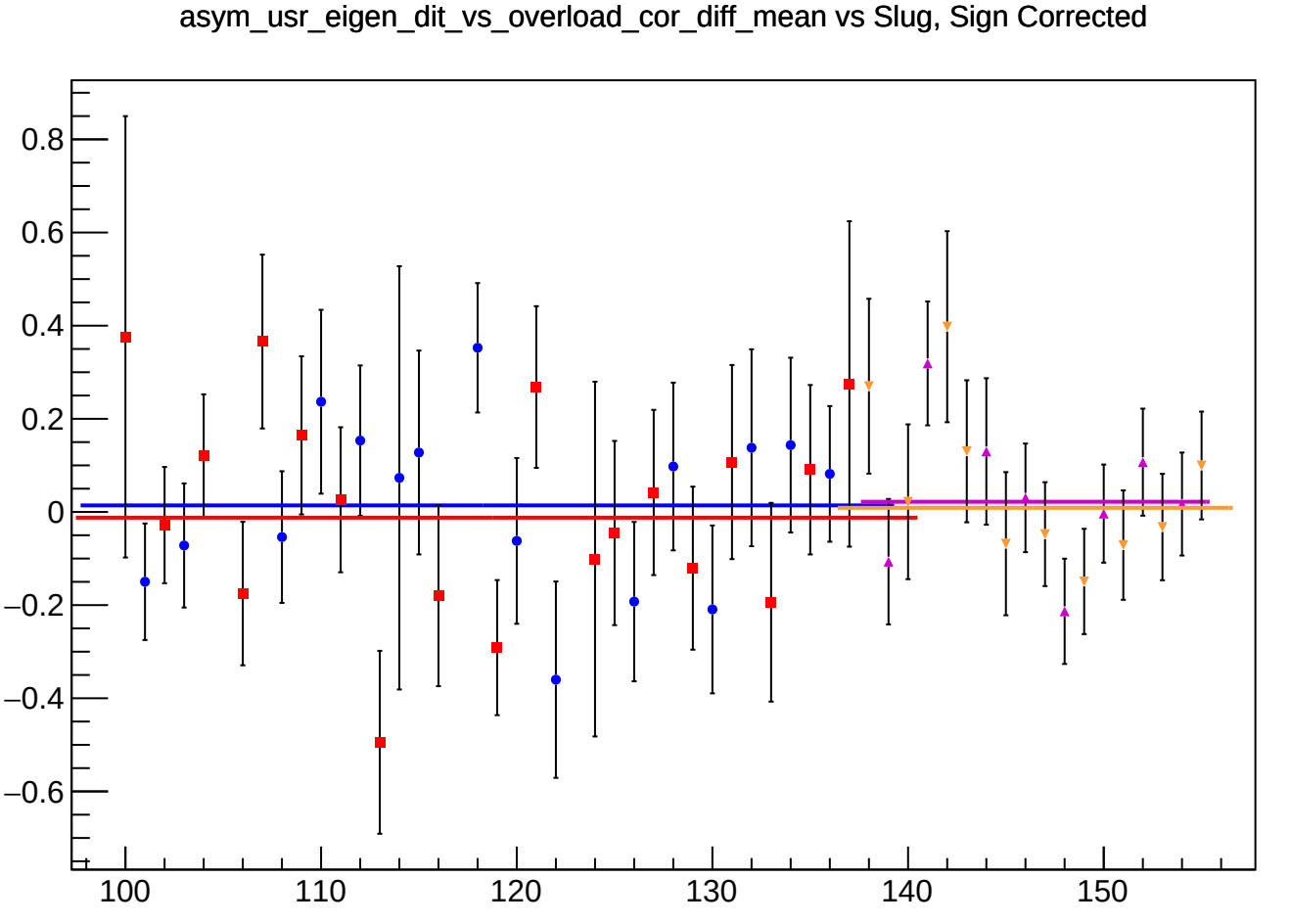
Left: 82.118+/-0.016 χ^2/NDF: 969987.1/17

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

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

Out: 80.704+/-0.015 χ^2/NDF:1094558.0/28

All: 79.724+/-0.011 χ^2/NDF: 1831183.2/52



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

Left Out: 0.009+/-0.042 χ^2/NDF:9.8/9

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

Left In: 0.022+/-0.043 χ^2/NDF:11.3/7

Left: 0.015+/-0.030 χ^2/NDF: 21.2/17

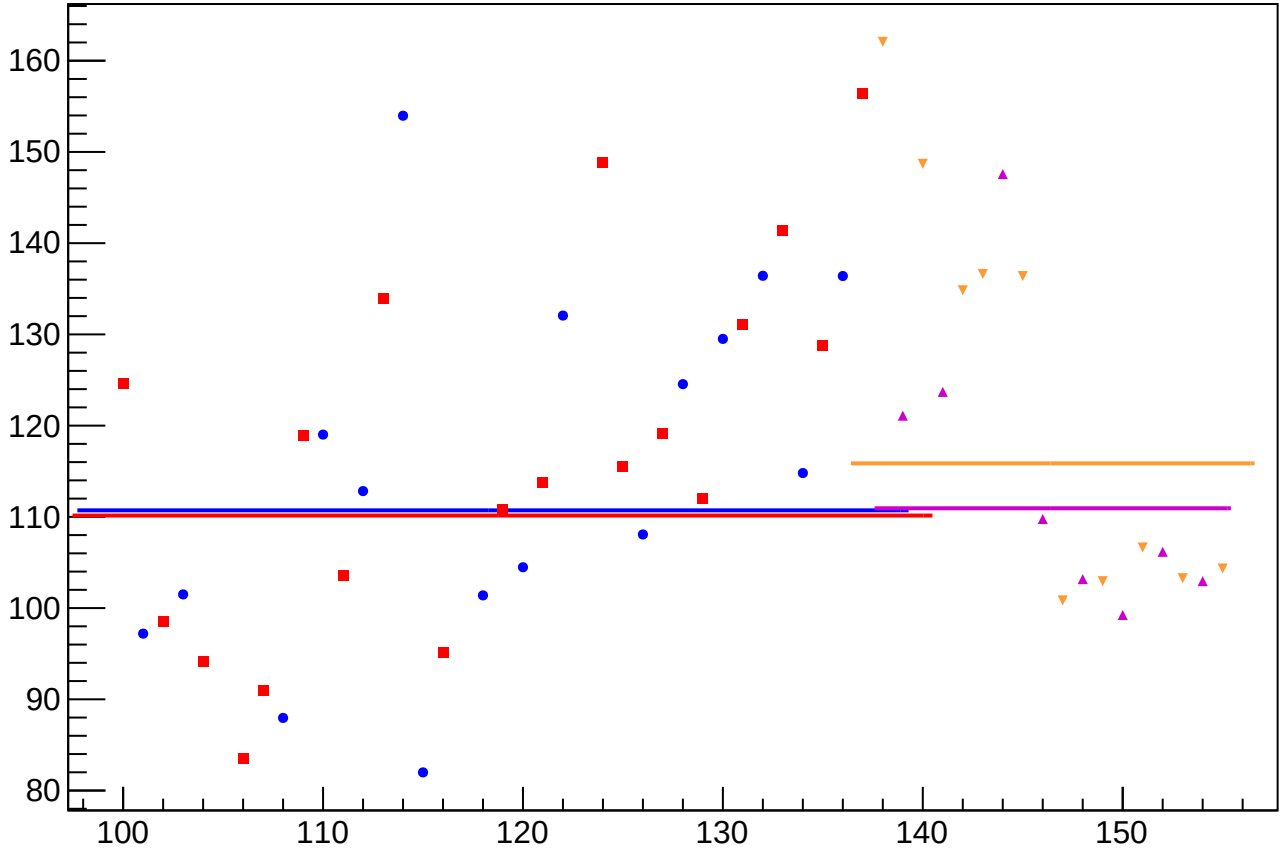
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.018+/-0.030 χ^2/NDF:29.5/23

Out: -0.002+/-0.030 χ^2/NDF:33.7/28

All: 0.008+/-0.021 χ^2/NDF: 63.5/52

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 115.865+/-0.030 χ^2/NDF:407939.2/9

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

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

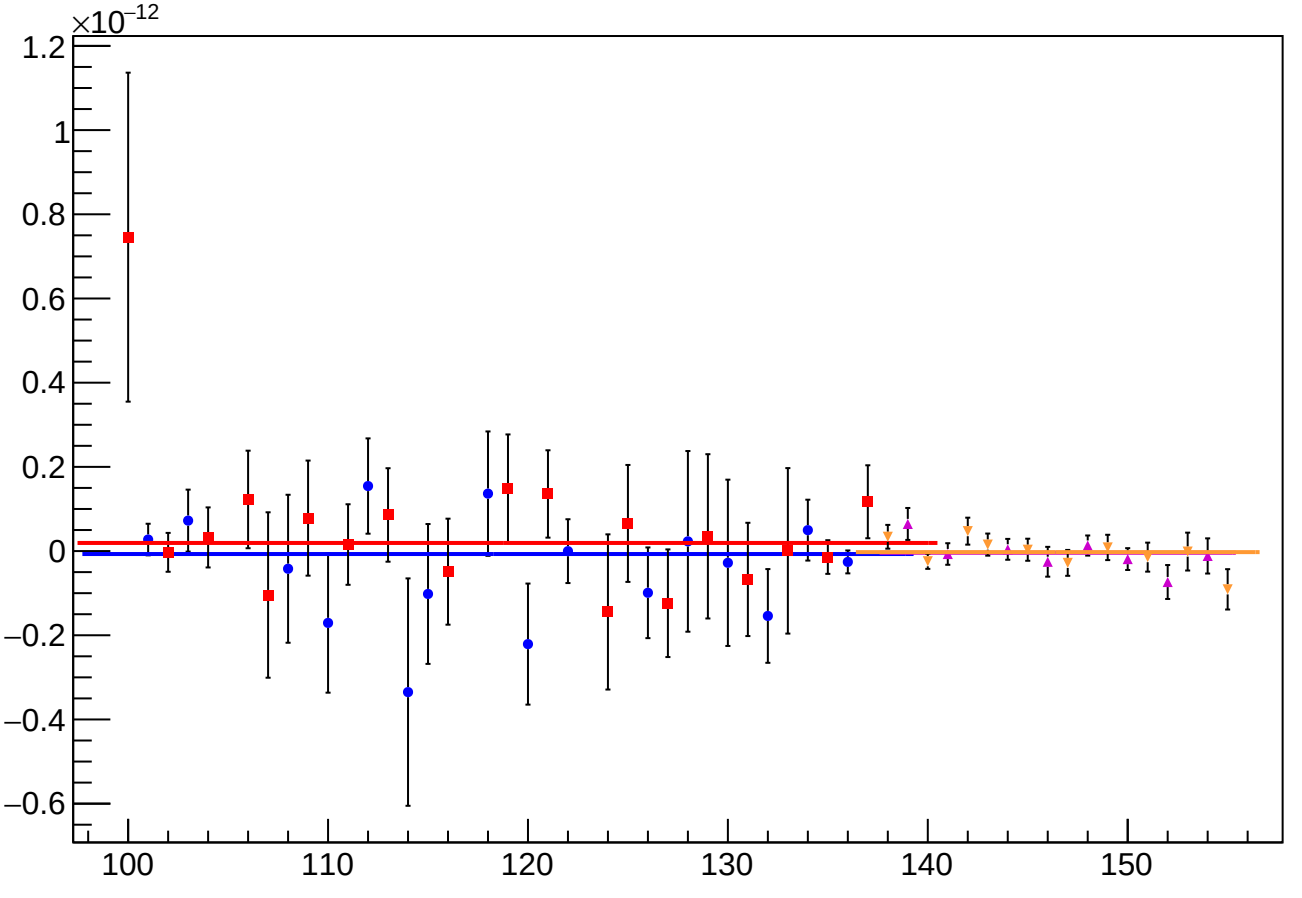
Left: 113.412+/-0.021 χ^2/NDF: 607923.2/17

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

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

Out: 112.930+/-0.021 χ^2/NDF:753315.6/28

All: 111.892+/-0.015 χ^2/NDF: 1244822.6/52



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

Left Out: -0.000+/-0.000 χ^2/NDF:10.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/7

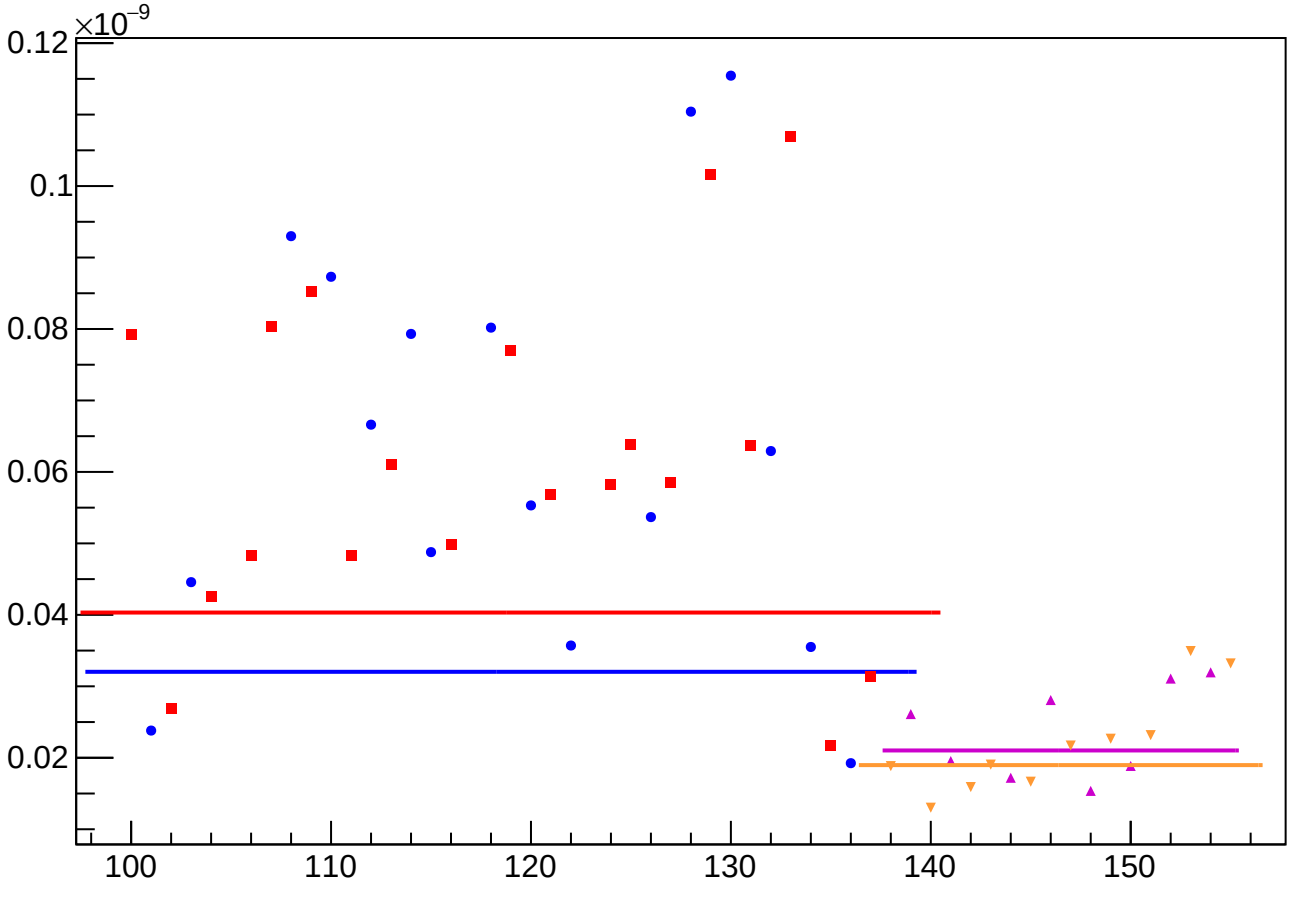
Left: -0.000+/-0.000 χ^2/NDF: 18.0/17

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:21.2/23

Out: 0.000+/-0.000 χ^2/NDF:23.9/28

All: -0.000+/-0.000 χ^2/NDF: 45.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:753910.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:557321.3/7

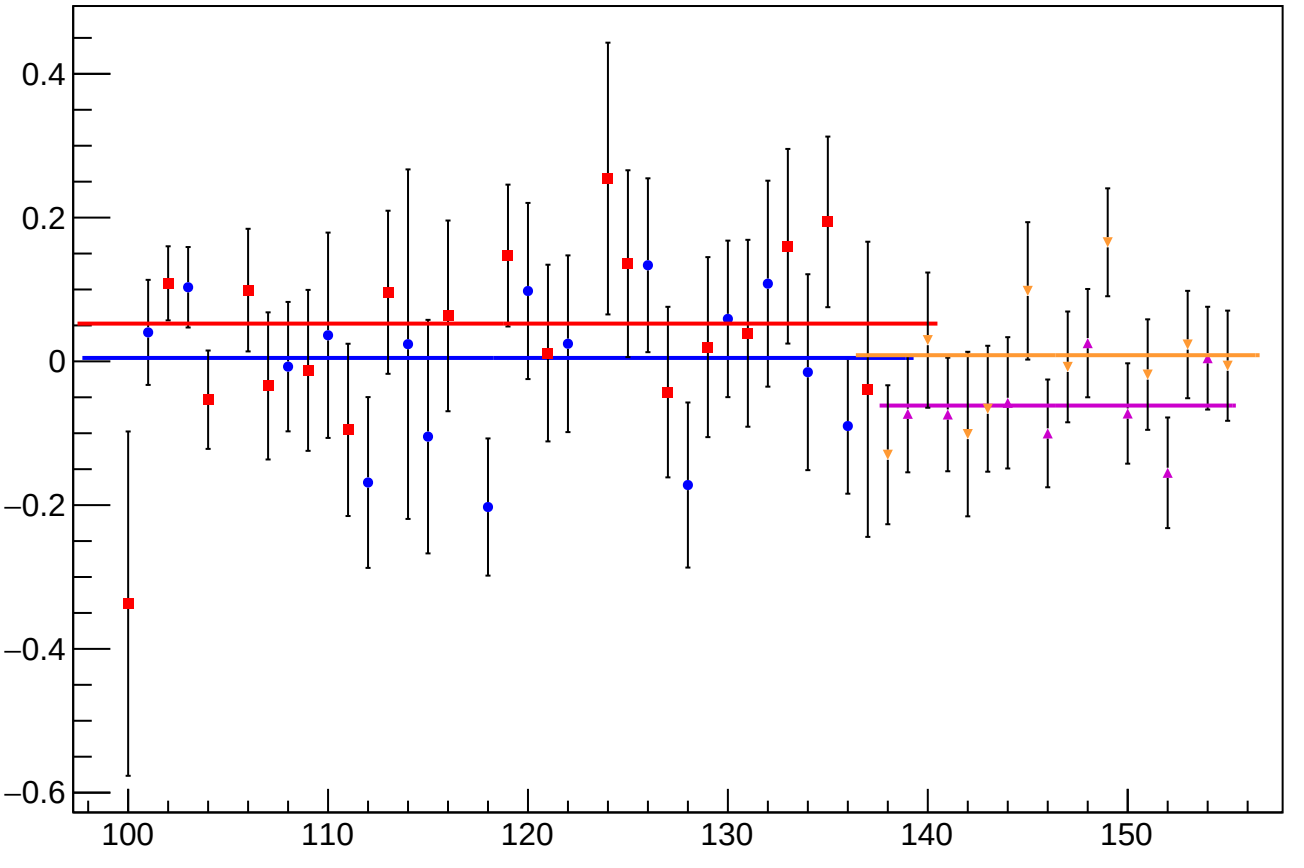
Left: 0.000+/-0.000 χ^2/NDF: 1354837.3/17

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

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

Out: 0.000+/-0.000 χ^2/NDF:4344548.0/28

All: 0.000+/-0.000 χ^2/NDF: 7953709.1/52



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.009+/-0.027 χ^2/NDF:9.2/9

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.061+/-0.027 χ^2/NDF:4.0/7

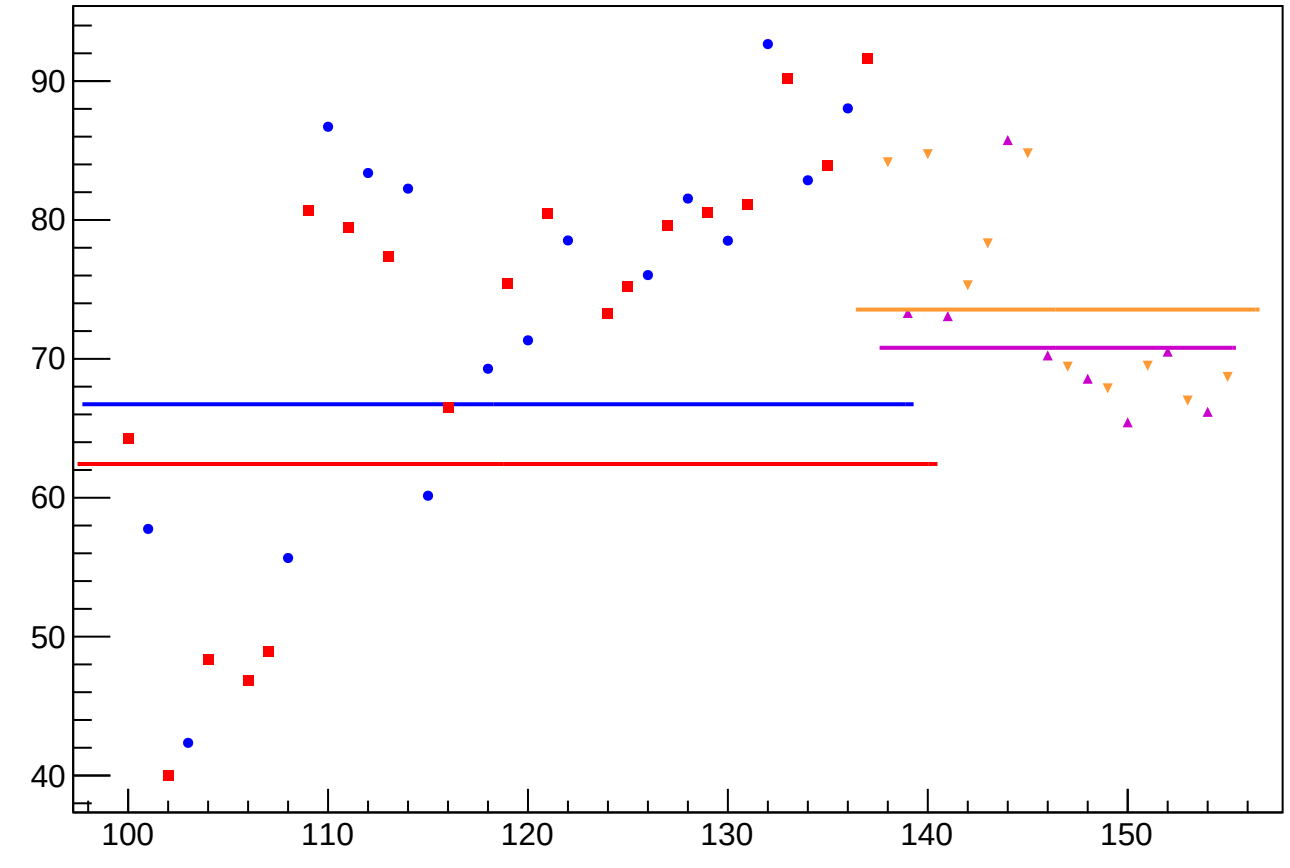
Left: -0.026+/-0.019 χ^2/NDF: 16.6/17

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.027+/-0.019 χ^2/NDF:23.7/23

Out: 0.033+/-0.018 χ^2/NDF:25.5/28

All: 0.004+/-0.013 χ^2/NDF: 54.6/52



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 73.549+/-0.019 χ^2/NDF:132484.8/9

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 70.797+/-0.019 χ^2/NDF:79215.3/7

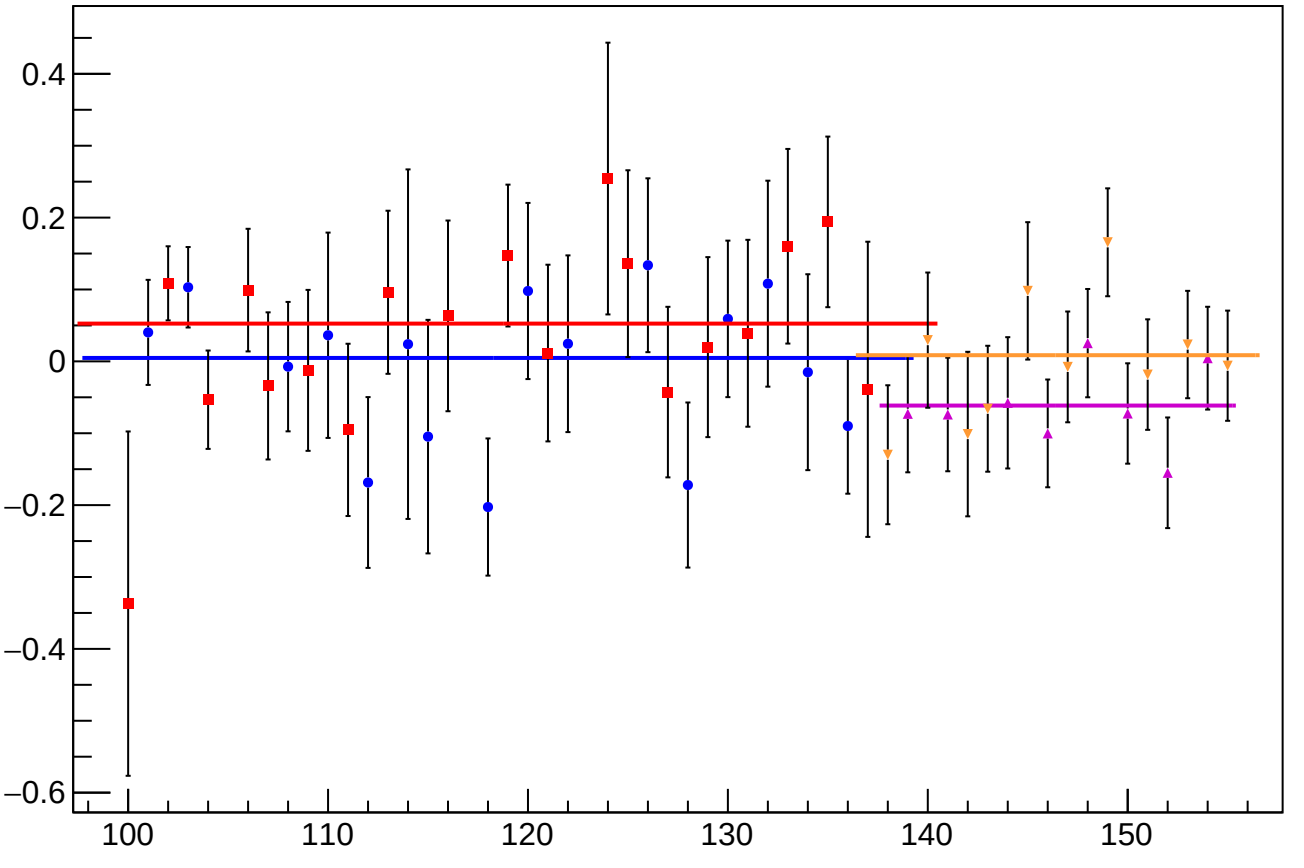
Left: 72.196+/-0.013 χ^2/NDF: 222132.6/17

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

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

Out: 67.415+/-0.013 χ^2/NDF:1437667.5/28

All: 68.012+/-0.009 χ^2/NDF: 2361758.0/52



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.009+/-0.027 χ^2/NDF:9.2/9

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.061+/-0.027 χ^2/NDF:4.0/7

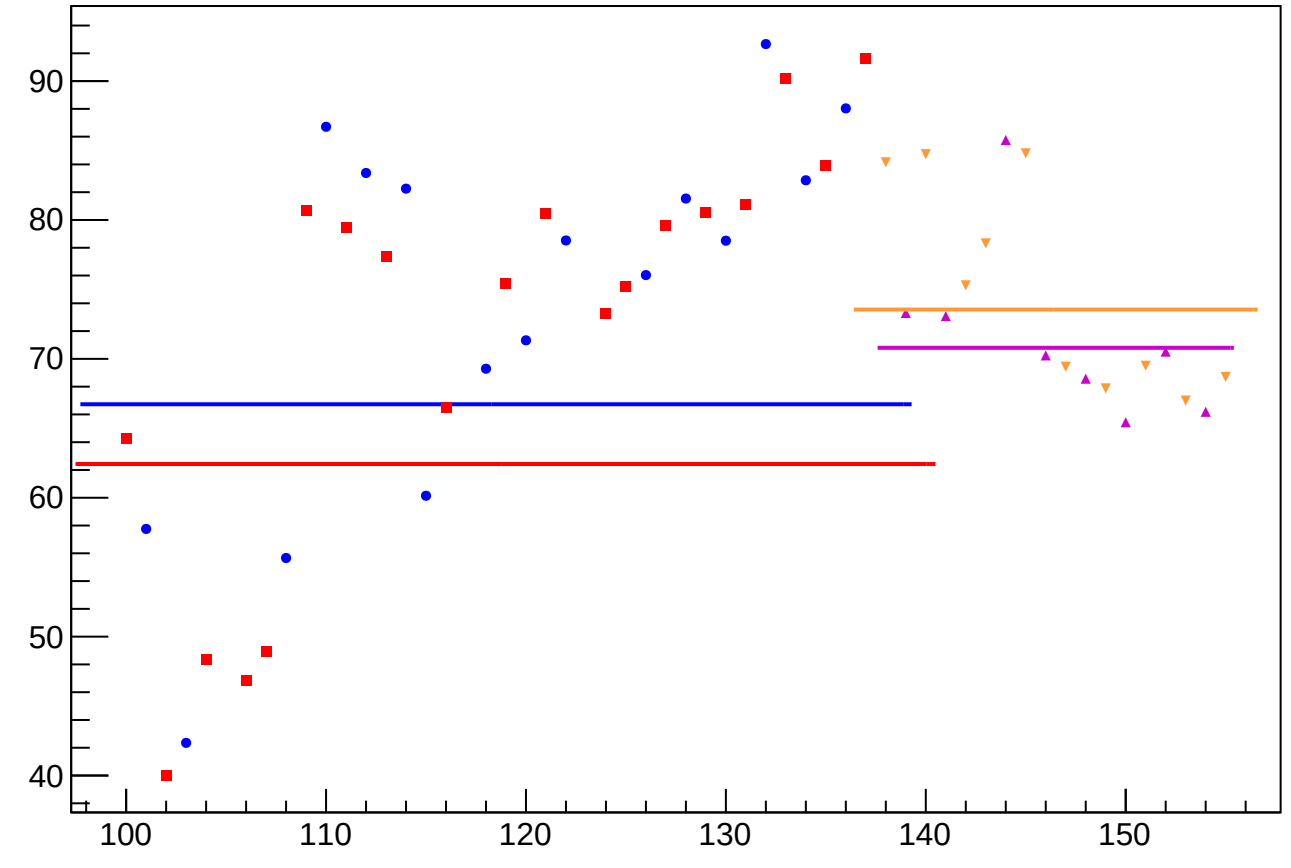
Left: -0.026+/-0.019 χ^2/NDF: 16.6/17

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.027+/-0.019 χ^2/NDF:23.7/23

Out: 0.033+/-0.018 χ^2/NDF:25.5/28

All: 0.004+/-0.013 χ^2/NDF: 54.6/52



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 73.549+/-0.019 χ^2/NDF:132484.8/9

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 70.797+/-0.019 χ^2/NDF:79215.3/7

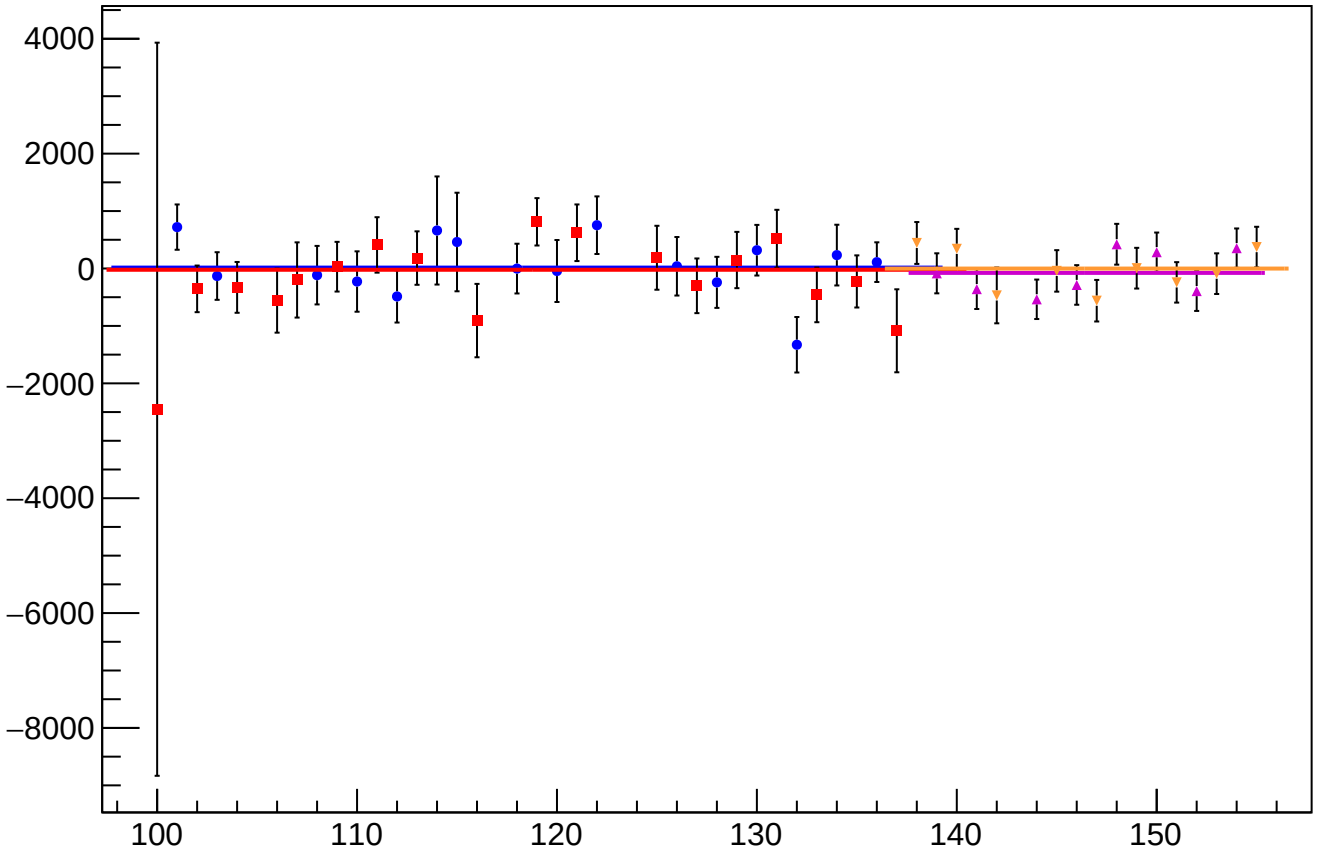
Left: 72.196+/-0.013 χ^2/NDF: 222132.6/17

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

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

Out: 67.415+/-0.013 χ^2/NDF:1437667.5/28

All: 68.012+/-0.009 χ^2/NDF: 2361758.0/52



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -1.221+/-121.906 χ^2/NDF:7.4/8

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -76.616+/-122.346 χ^2/NDF:8.3/7

Left: -38.783+/-86.356 χ^2/NDF: 16.0/16

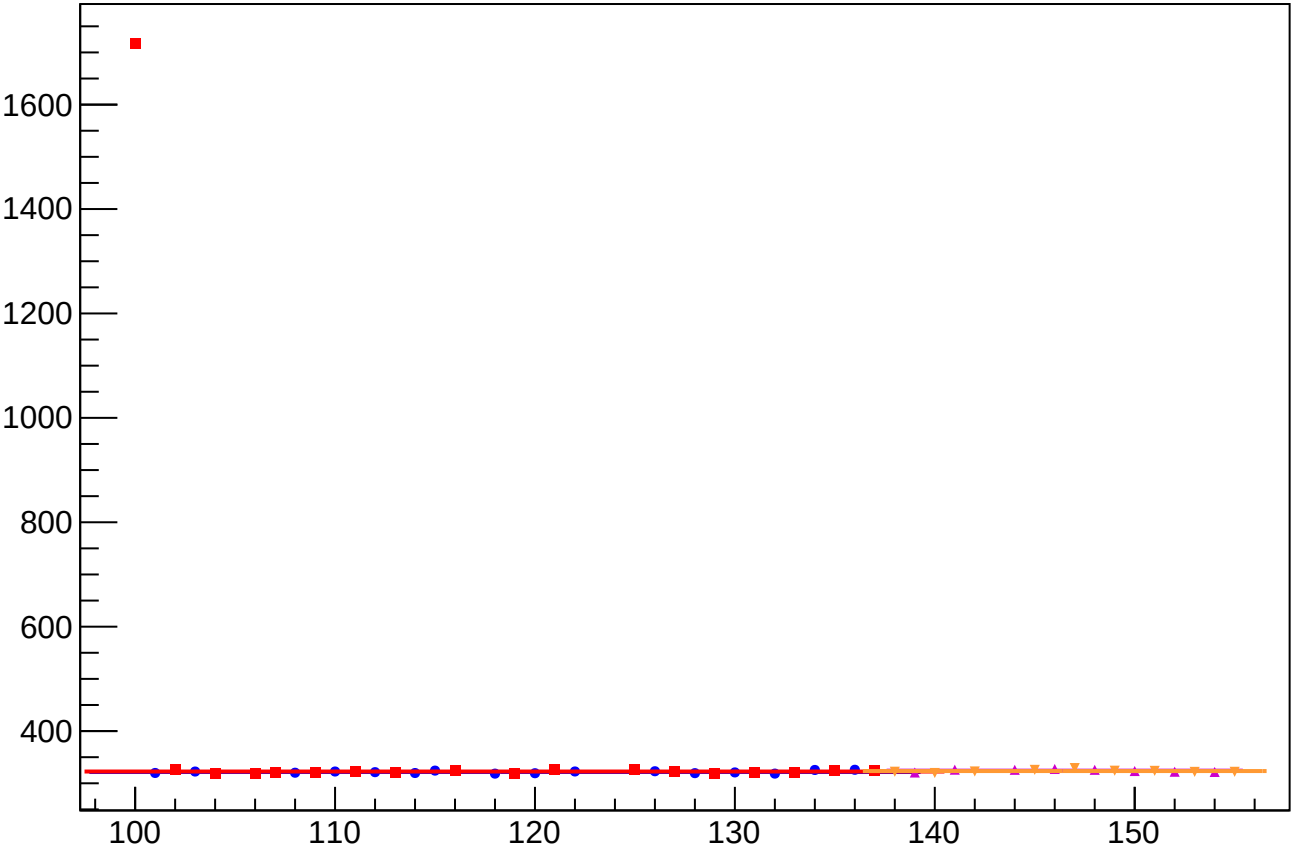
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -29.439+/-85.462 χ^2/NDF:25.2/23

Out: -11.916+/-85.232 χ^2/NDF:23.4/26

All: -20.654+/-60.349 χ^2/NDF: 48.6/50

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 323.438+/-0.086 χ^2/NDF:915.8/8

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 324.182+/-0.087 χ^2/NDF:710.3/7

Left: 323.809+/-0.061 χ^2/NDF: 1663.2/16

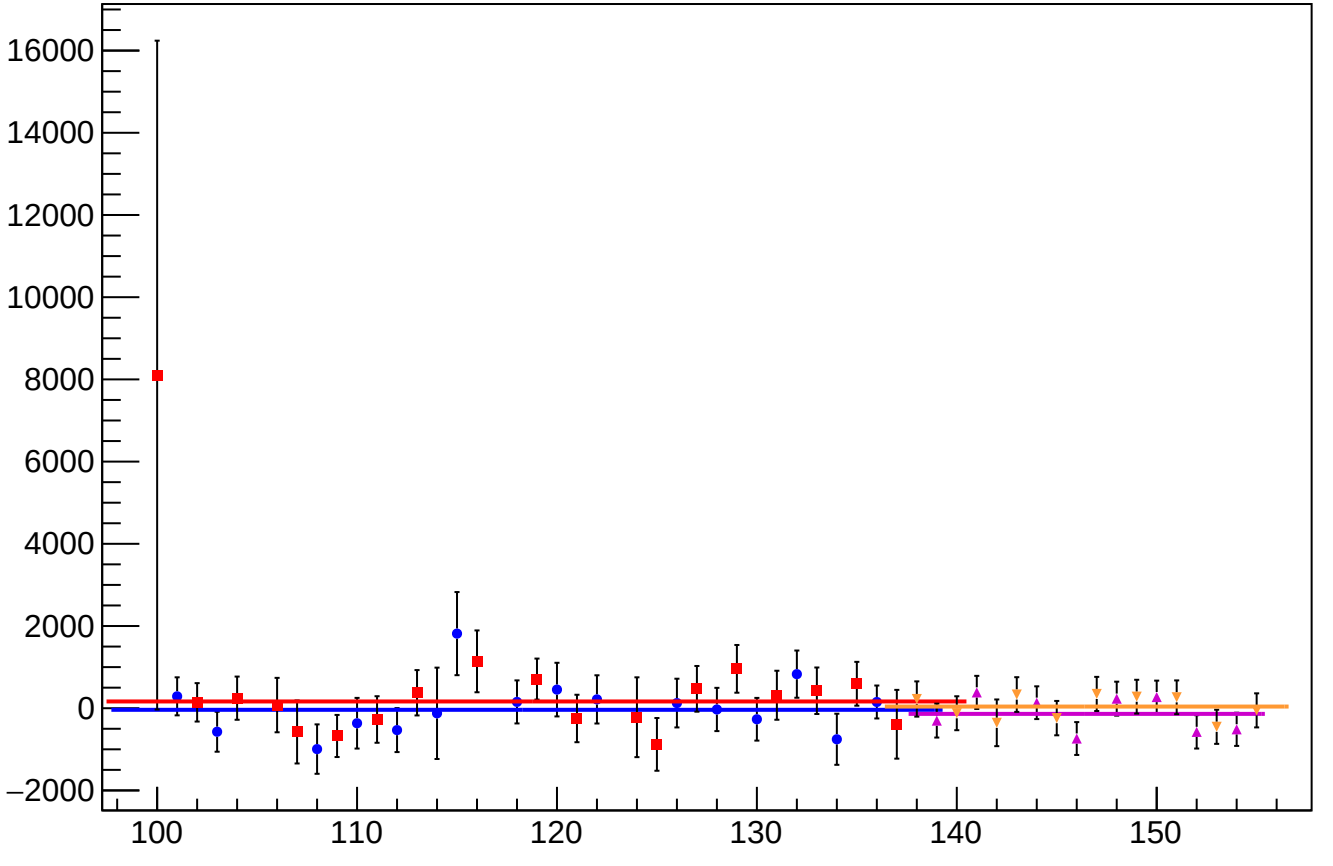
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 322.862+/-0.060 χ^2/NDF:1987.9/23

Out: 322.986+/-0.060 χ^2/NDF:97861.7/26

All: 322.924+/-0.043 χ^2/NDF: 99851.7/50

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 40.372+/-134.836 χ^2/NDF:4.4/9

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -137.725+/-142.925 χ^2/NDF:8.4/7

Left: -43.494+/-98.078 χ^2/NDF: 13.7/17

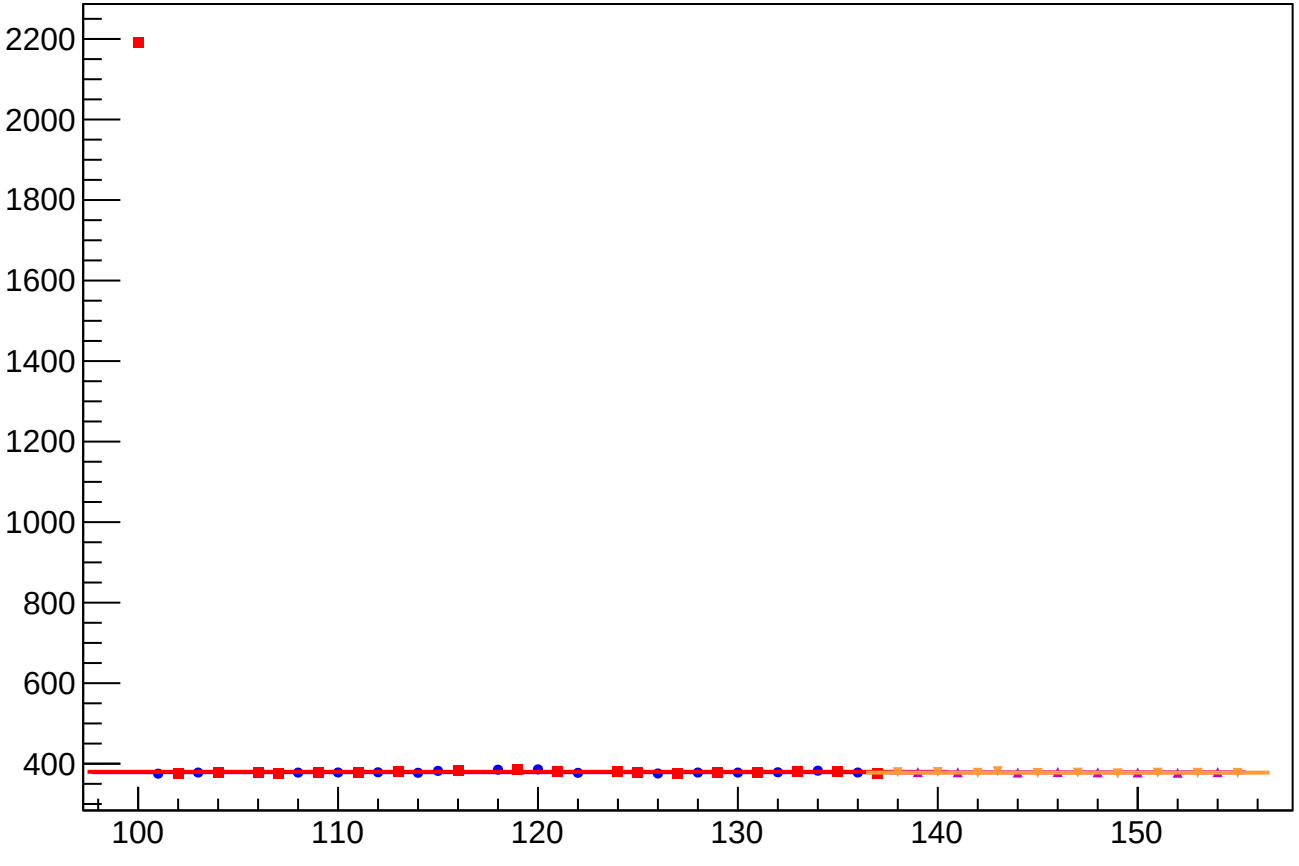
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -87.551+/-100.274 χ^2/NDF:22.4/23

Out: 100.633+/-96.769 χ^2/NDF:19.9/28

All: 9.887+/-69.632 χ^2/NDF: 44.2/52

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.907+/-0.095 χ^2/NDF:208.5/9

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.699+/-0.101 χ^2/NDF:37.7/7

Left: 378.280+/-0.069 χ^2/NDF: 278.7/17

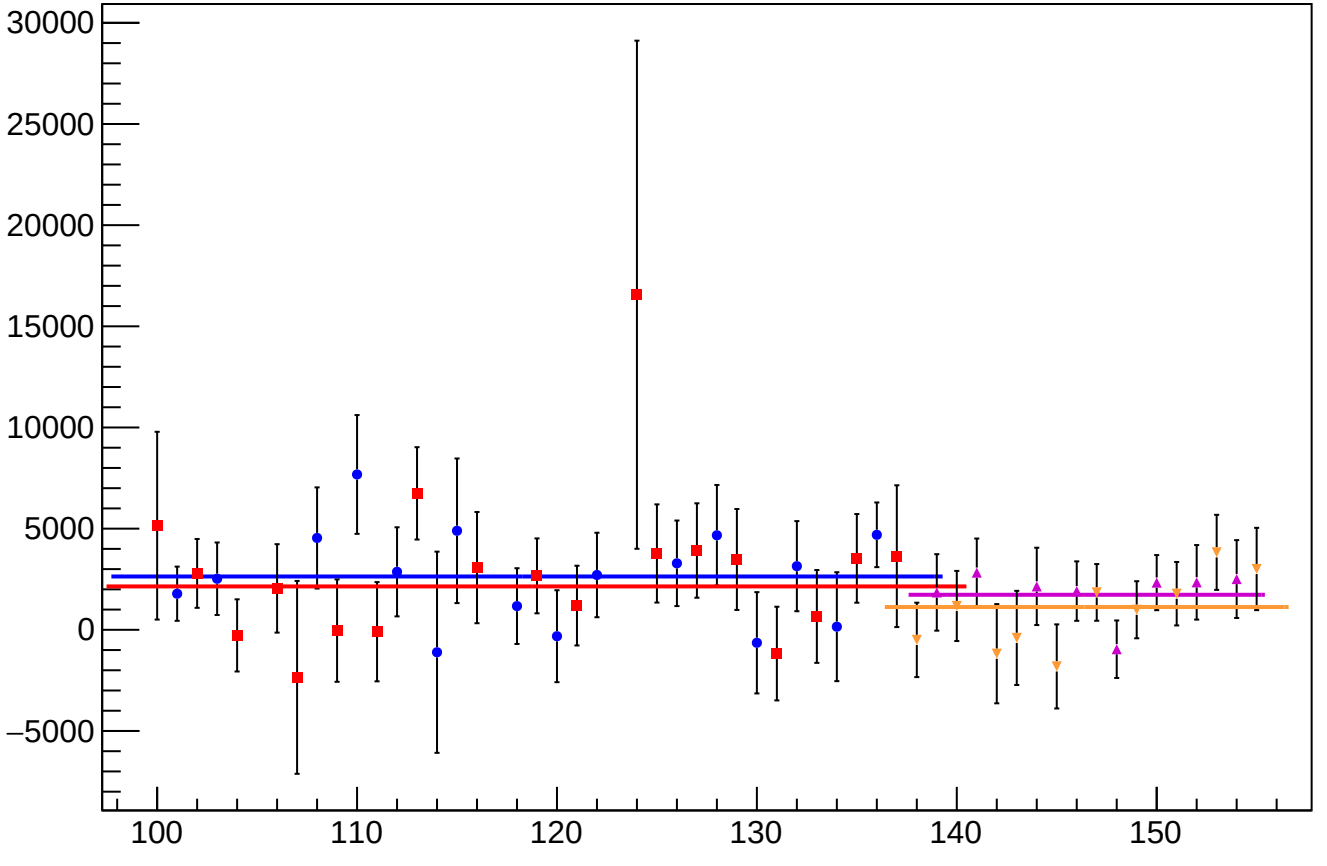
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.806+/-0.071 χ^2/NDF:891.2/23

Out: 378.863+/-0.068 χ^2/NDF:100037.2/28

All: 378.835+/-0.049 χ^2/NDF: 100928.7/52

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1125.779+/-562.285 χ^2/NDF:7.5/9

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1731.272+/-580.350 χ^2/NDF:4.5/7

Left: 1418.955+/-403.831 χ^2/NDF: 12.6/17

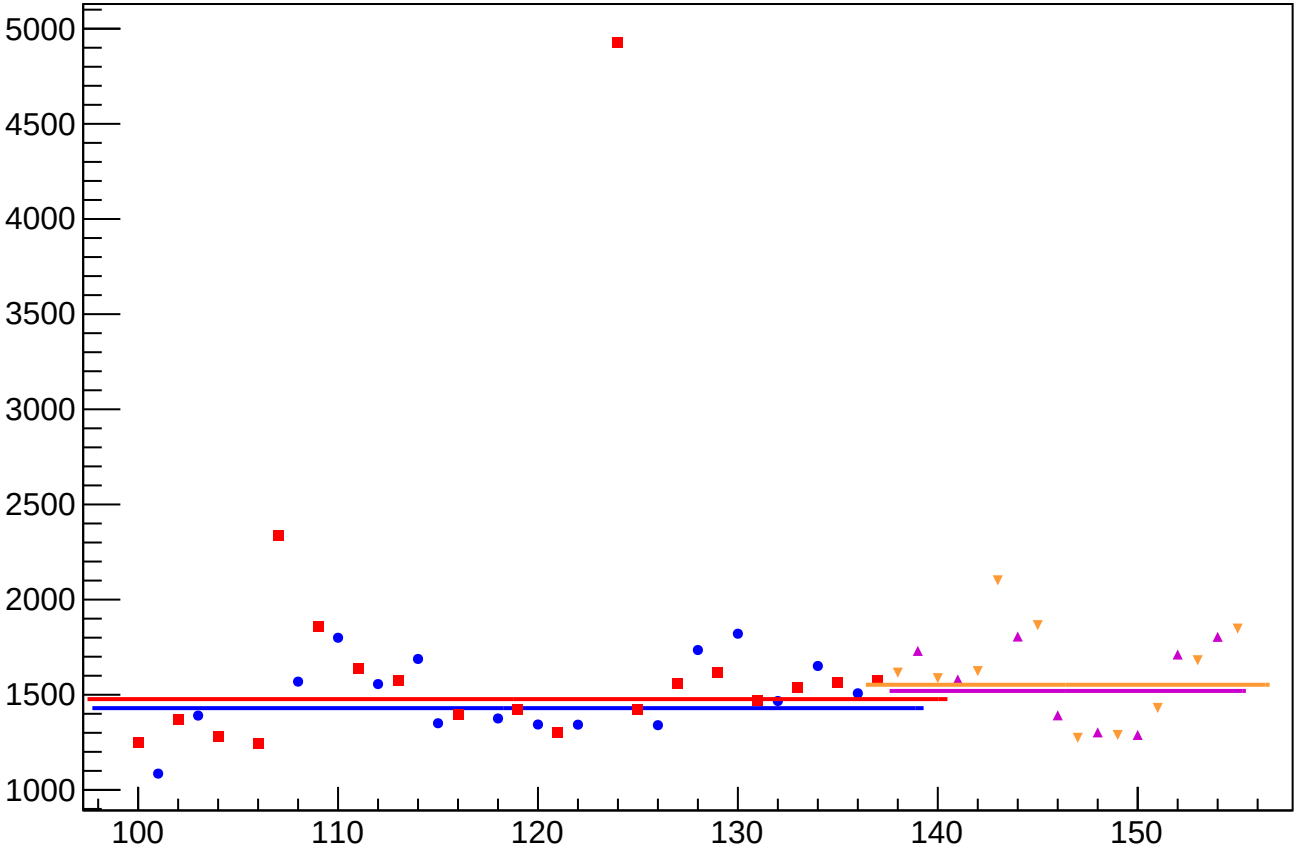
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

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

Out: 1649.243+/-392.066 χ^2/NDF:24.3/28

All: 1931.567+/-278.110 χ^2/NDF: 43.4/52

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1552.581+/-0.398 χ^2/NDF:374813.9/9

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1520.115+/-0.410 χ^2/NDF:257198.6/7

Left: 1536.861+/-0.286 χ^2/NDF: 635241.0/17

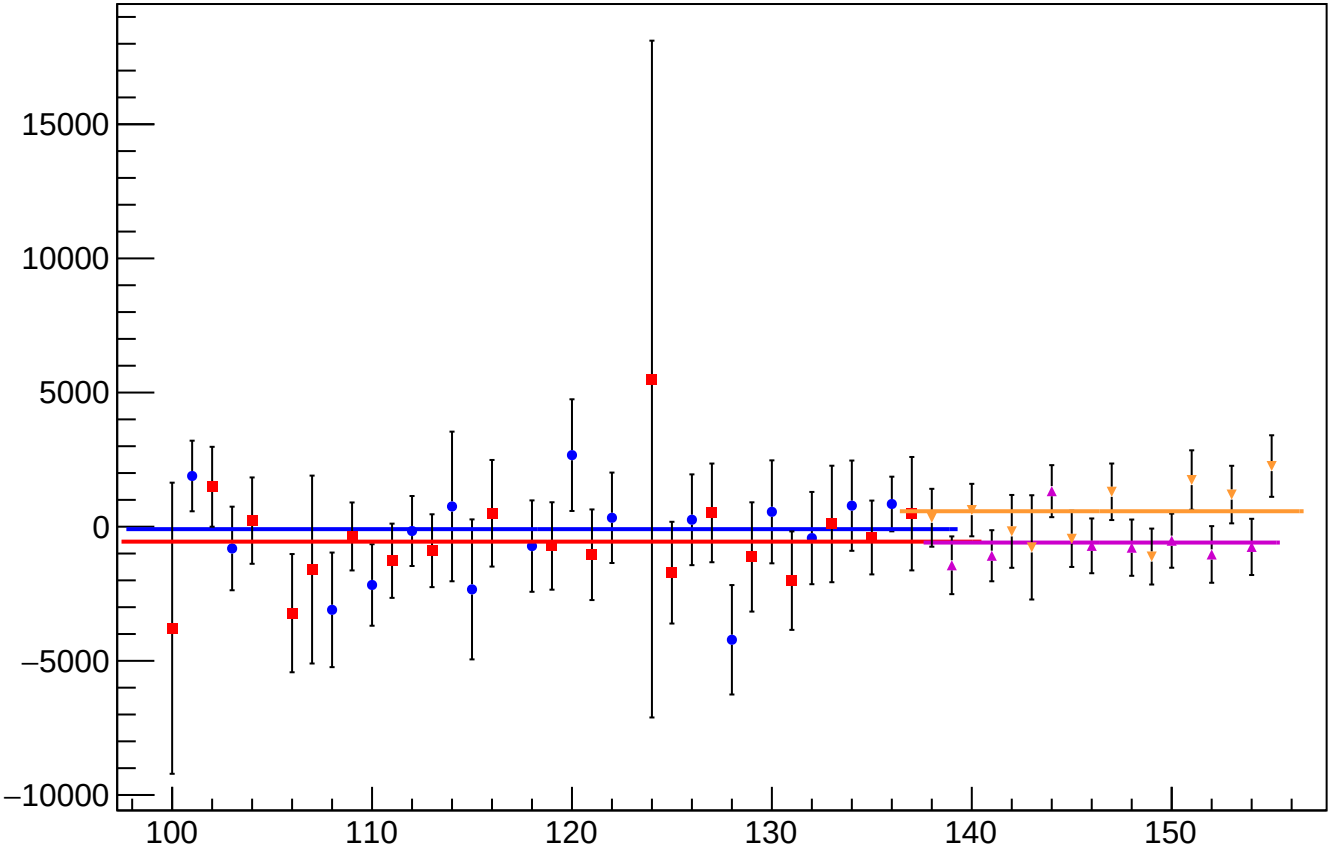
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

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

Out: 1513.812+/-0.277 χ^2/NDF:762750.1/28

All: 1492.773+/-0.197 χ^2/NDF: 1351060.7/52

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 576.341+/-356.099 χ^2/NDF:8.5/9

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -591.363+/-360.593 χ^2/NDF:5.0/7

Left: -0.189+/-253.374 χ^2/NDF: 18.8/17

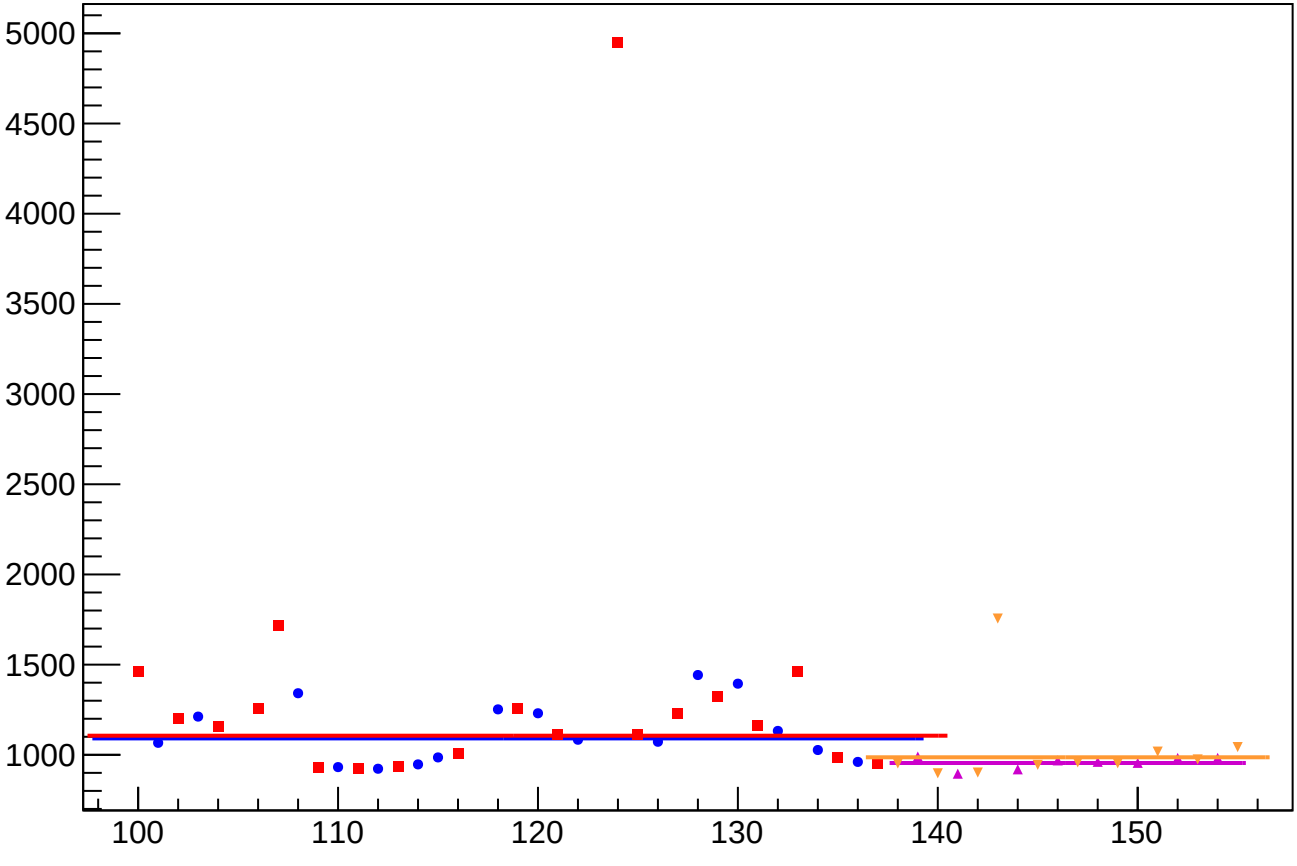
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

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

Out: 90.906+/-269.230 χ^2/NDF:19.6/28

All: -139.853+/-190.912 χ^2/NDF: 41.5/52

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 986.340+/-0.252 χ^2/NDF:352983.0/9

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 954.696+/-0.255 χ^2/NDF:15902.3/7

Left: 970.716+/-0.179 χ^2/NDF: 376682.7/17

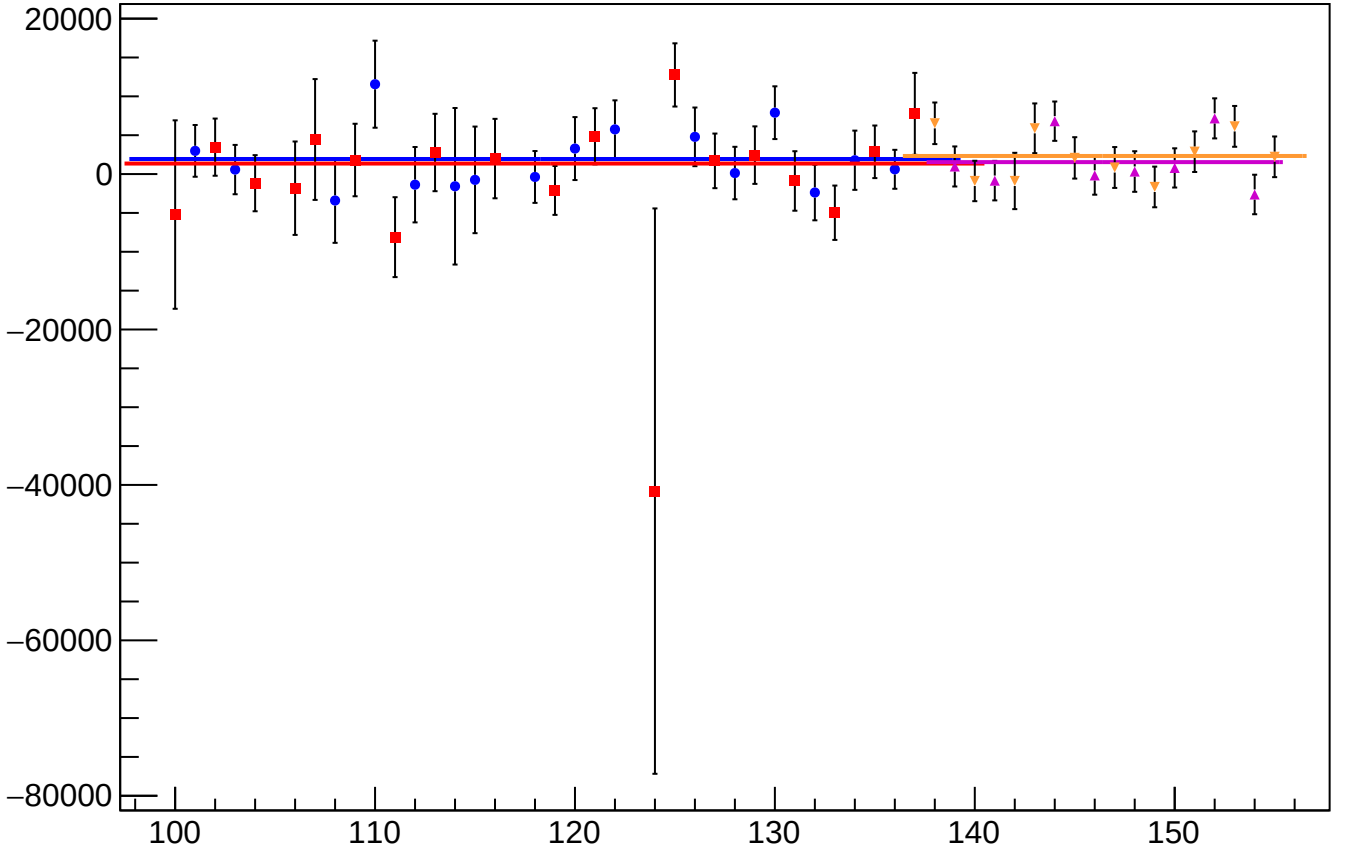
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

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

Out: 1037.620+/-0.190 χ^2/NDF:963899.1/28

All: 1025.961+/-0.135 χ^2/NDF: 1389376.4/52

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2327.708+/-866.948 χ^2/NDF:10.8/9

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1537.157+/-900.674 χ^2/NDF:13.5/7

Left: 1947.511+/-624.608 χ^2/NDF: 24.7/17

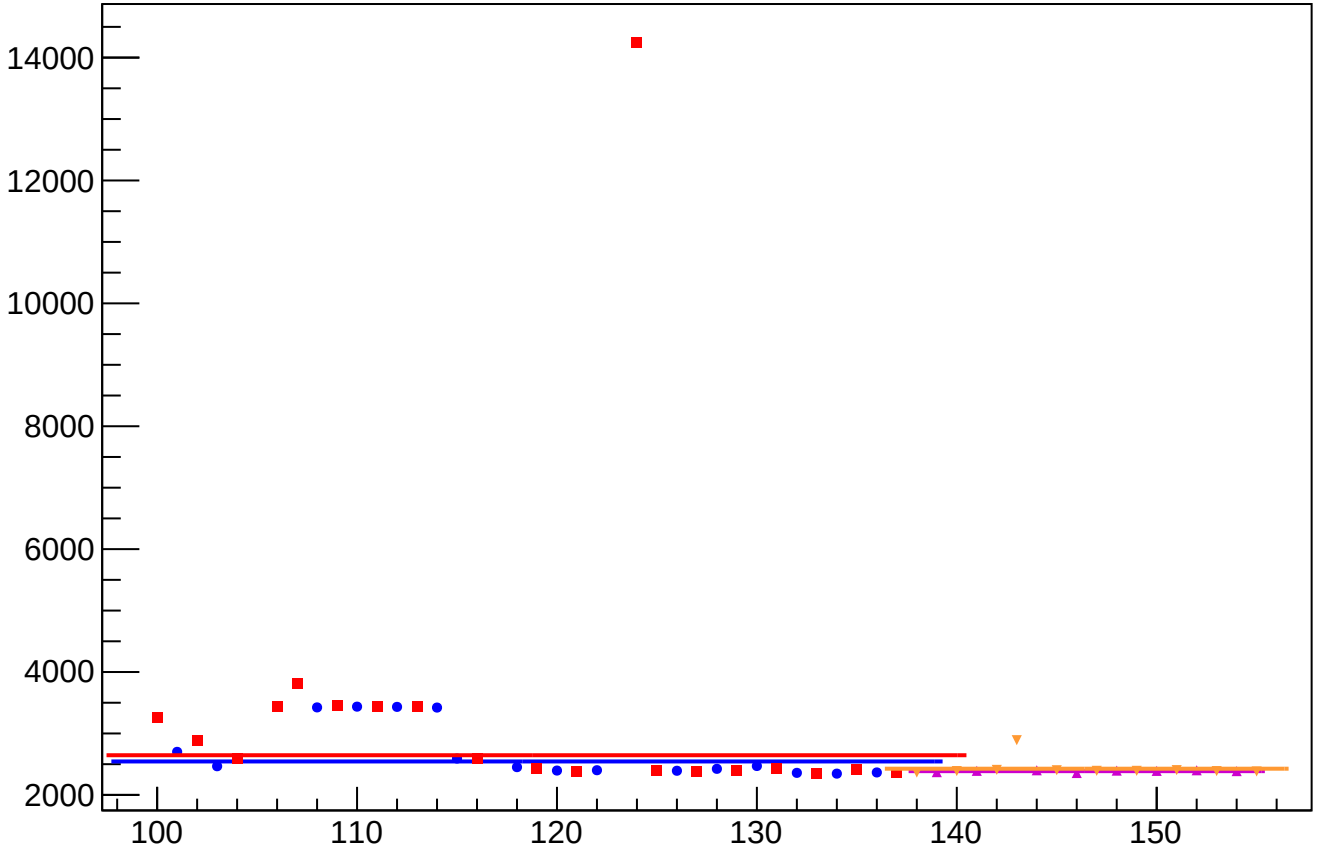
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1727.151+/-654.440 χ^2/NDF:25.8/23

Out: 1902.480+/-650.816 χ^2/NDF:33.2/28

All: 1815.303+/-461.472 χ^2/NDF: 59.0/52

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2426.407+/-0.613 χ^2/NDF:45727.1/9

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2386.555+/-0.637 χ^2/NDF:531.4/7

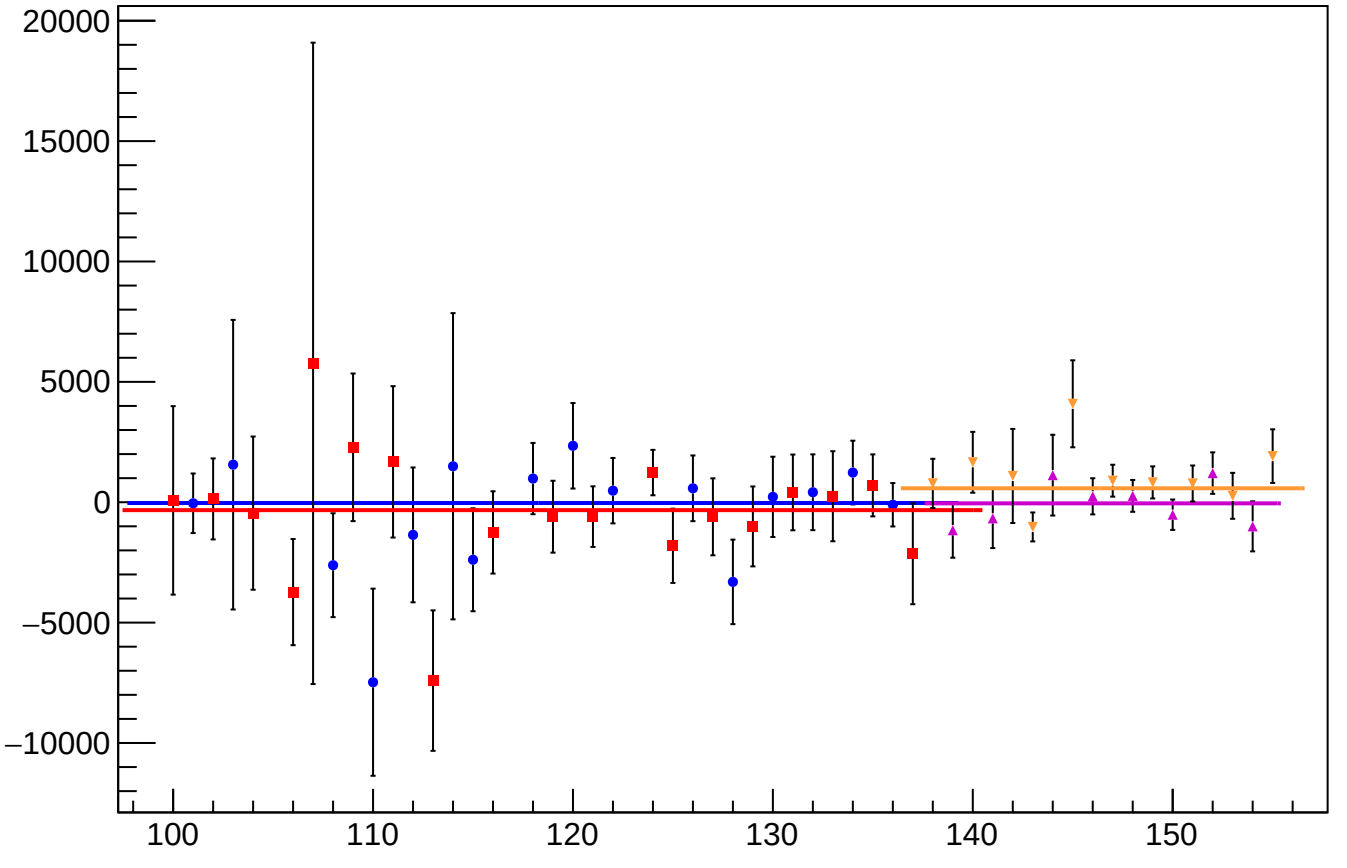
Left: 2407.241+/-0.442 χ^2/NDF: 48291.0/17

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

In: 2461.071+/-0.463 χ^2/NDF:255146.9/23

Out: 2522.095+/-0.460 χ^2/NDF:638516.0/28

All: 2491.753+/-0.326 χ^2/NDF: 902406.1/52



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 579.802+/-275.804 χ^2/NDF:13.7/9

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -46.223+/-306.907 χ^2/NDF:5.6/7

Left: 300.110+/-205.141 χ^2/NDF: 21.6/17

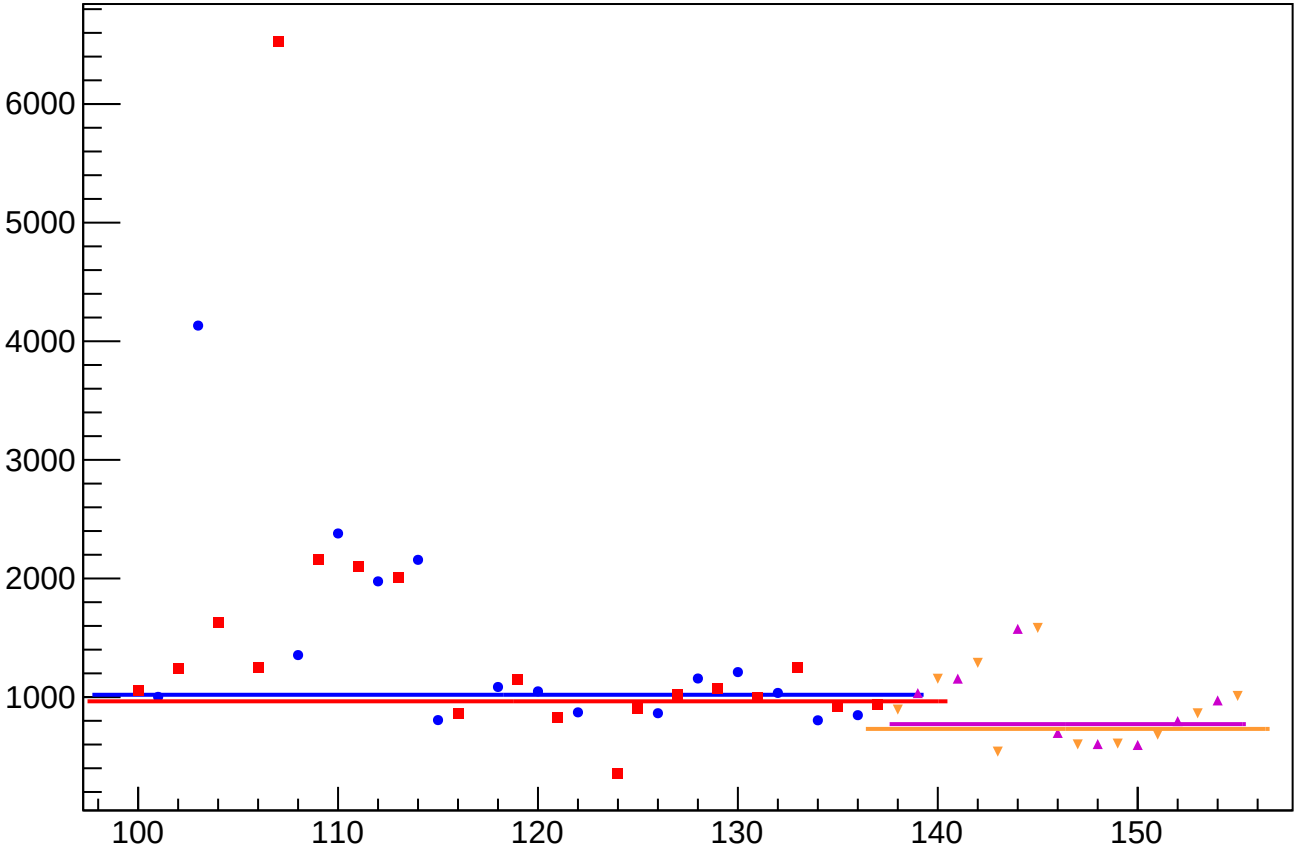
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -40.752+/-244.767 χ^2/NDF:19.4/23

Out: 285.705+/-226.798 χ^2/NDF:32.9/28

All: 134.898+/-166.361 χ^2/NDF: 53.2/52

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 731.790+/-0.195 χ^2/NDF:1402181.4/9

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 772.147+/-0.217 χ^2/NDF:1135621.2/7

Left: 749.820+/-0.145 χ^2/NDF: 2556935.2/17

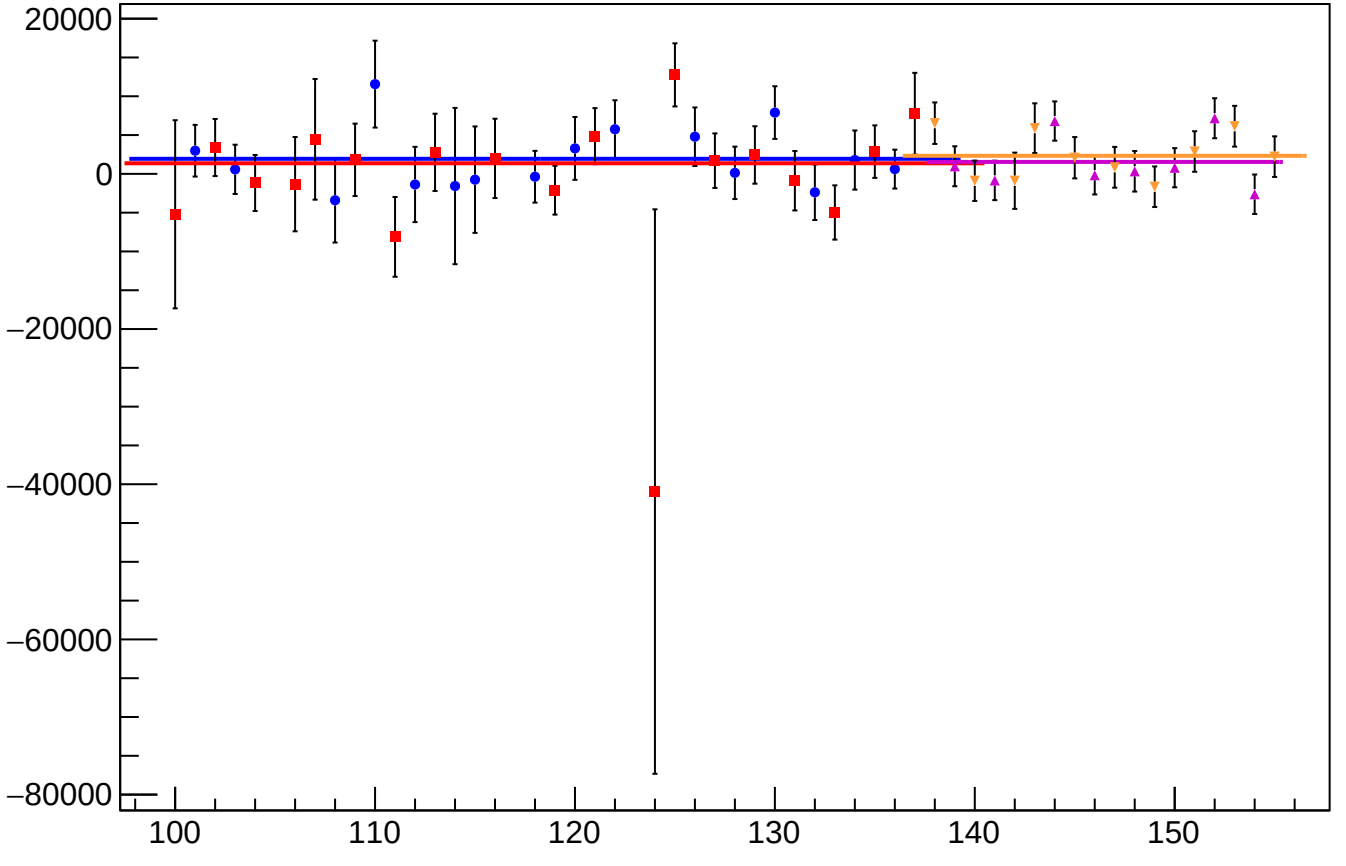
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 862.179+/-0.173 χ^2/NDF:2973266.2/23

Out: 807.101+/-0.160 χ^2/NDF:4172096.0/28

All: 832.545+/-0.118 χ^2/NDF: 7199850.5/52

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2327.569+/-866.948 χ^2/NDF:10.8/9

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1537.405+/-900.674 χ^2/NDF:13.5/7

Left: 1947.558+/-624.608 χ^2/NDF: 24.7/17

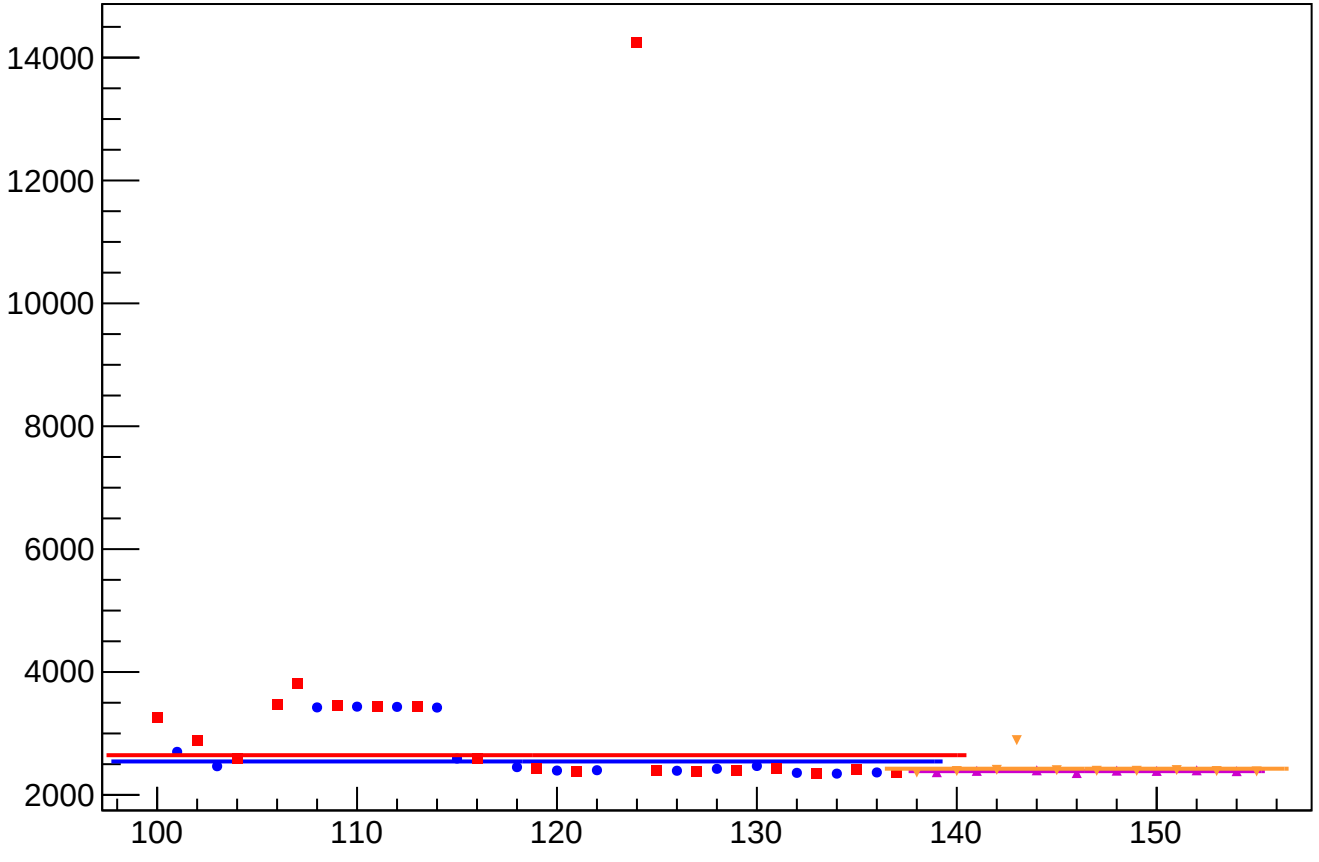
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1727.447+/-654.440 χ^2/NDF:25.8/23

Out: 1906.763+/-650.902 χ^2/NDF:33.1/28

All: 1817.591+/-461.503 χ^2/NDF: 58.9/52

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2426.407+/-0.613 χ^2/NDF:45727.1/9

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2386.555+/-0.637 χ^2/NDF:531.4/7

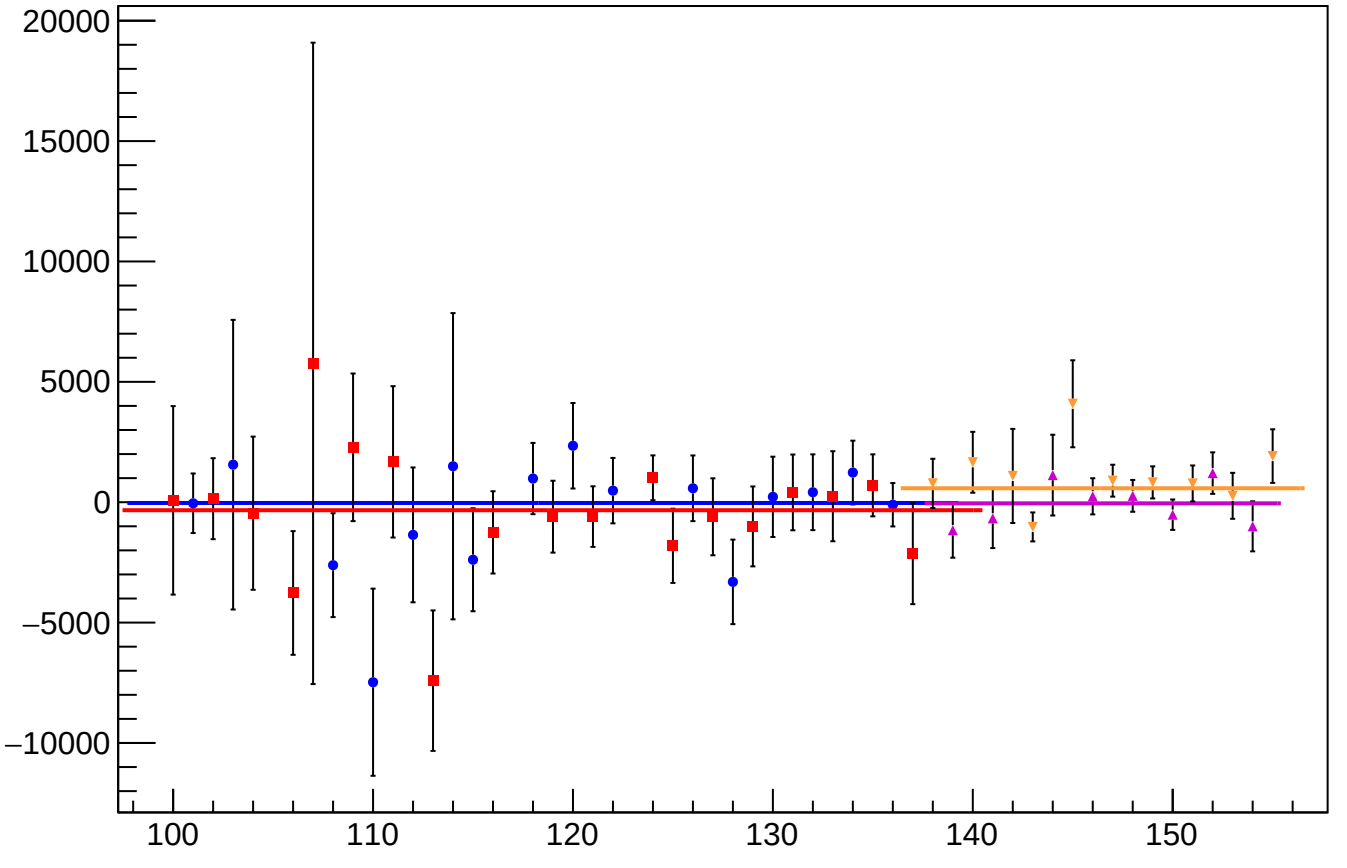
Left: 2407.241+/-0.442 χ^2/NDF: 48291.0/17

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2461.071+/-0.463 χ^2/NDF:255146.9/23

Out: 2522.305+/-0.460 χ^2/NDF:641362.0/28

All: 2491.854+/-0.326 χ^2/NDF: 905311.1/52



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 579.721+/-275.808 χ^2/NDF:13.7/9

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -46.087+/-306.905 χ^2/NDF:5.6/7

Left: 300.119+/-205.141 χ^2/NDF: 21.6/17

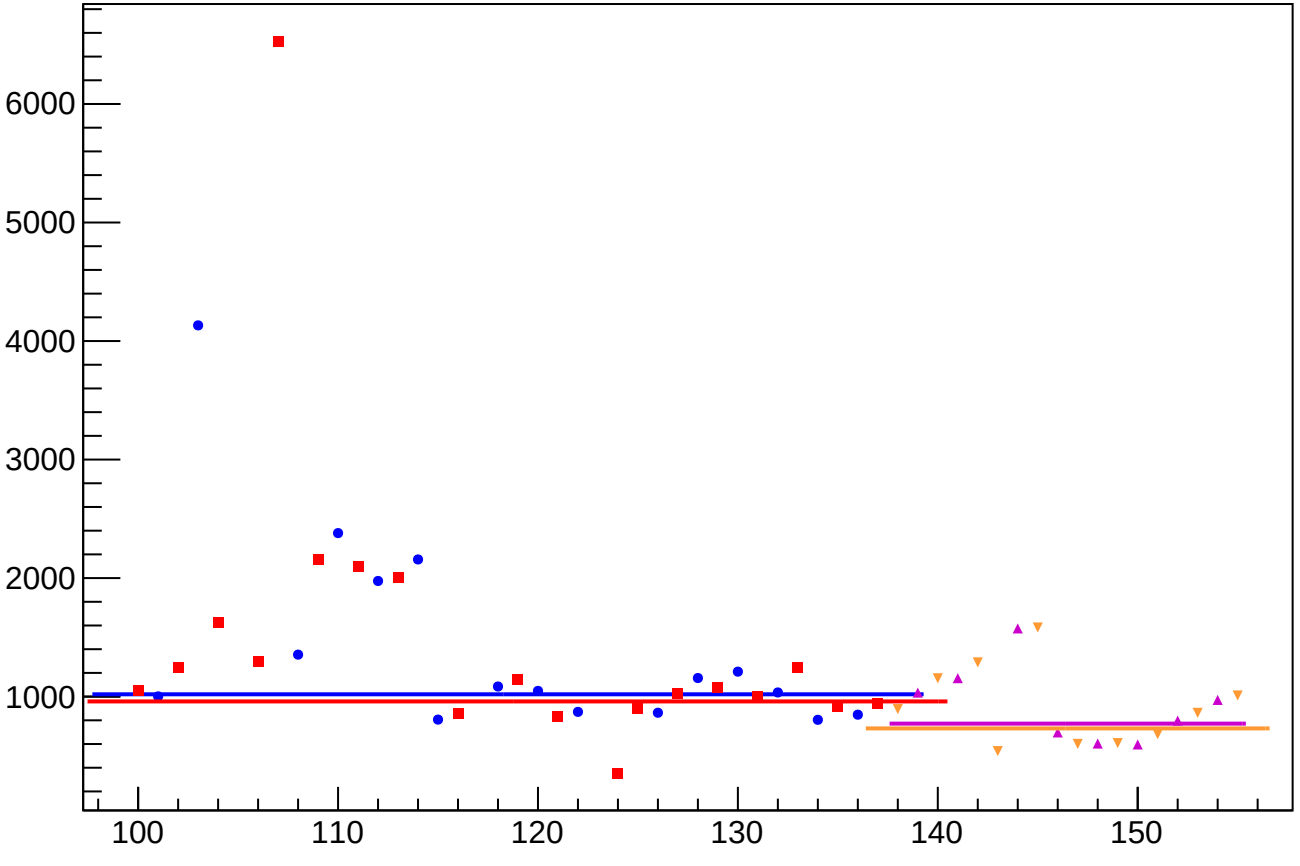
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -40.688+/-244.765 χ^2/NDF:19.4/23

Out: 285.281+/-226.941 χ^2/NDF:31.6/28

All: 134.596+/-166.416 χ^2/NDF: 52.0/52

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 731.801+/-0.195 χ^2/NDF:1402118.0/9

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 772.140+/-0.217 χ^2/NDF:1135684.4/7

Left: 749.824+/-0.145 χ^2/NDF: 2556916.6/17

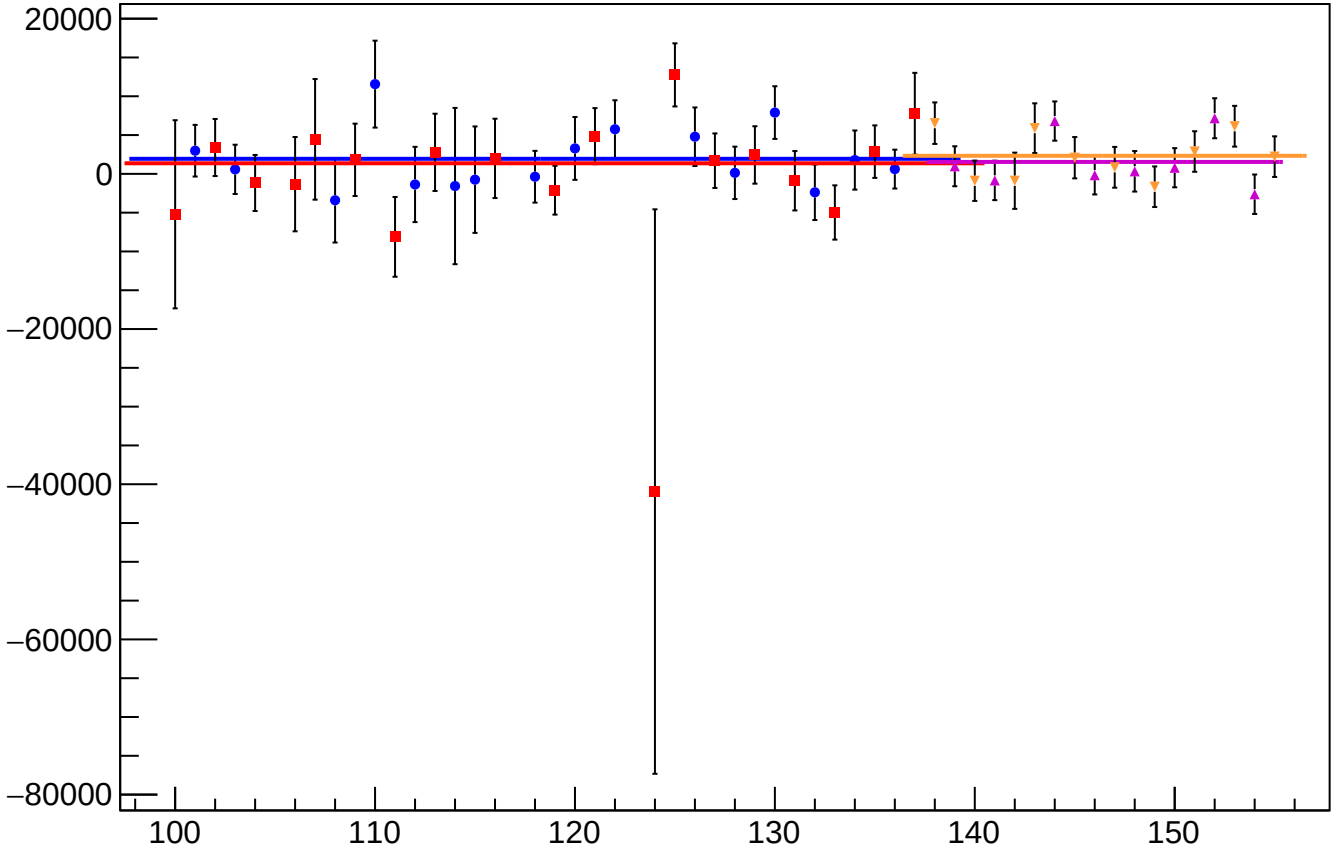
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 862.171+/-0.173 χ^2/NDF:2973327.9/23

Out: 805.289+/-0.160 χ^2/NDF:4186191.9/28

All: 831.584+/-0.118 χ^2/NDF: 7217603.3/52

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2327.569+/-866.948 χ^2/NDF:10.8/9

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1537.405+/-900.674 χ^2/NDF:13.5/7

Left: 1947.558+/-624.608 χ^2/NDF: 24.7/17

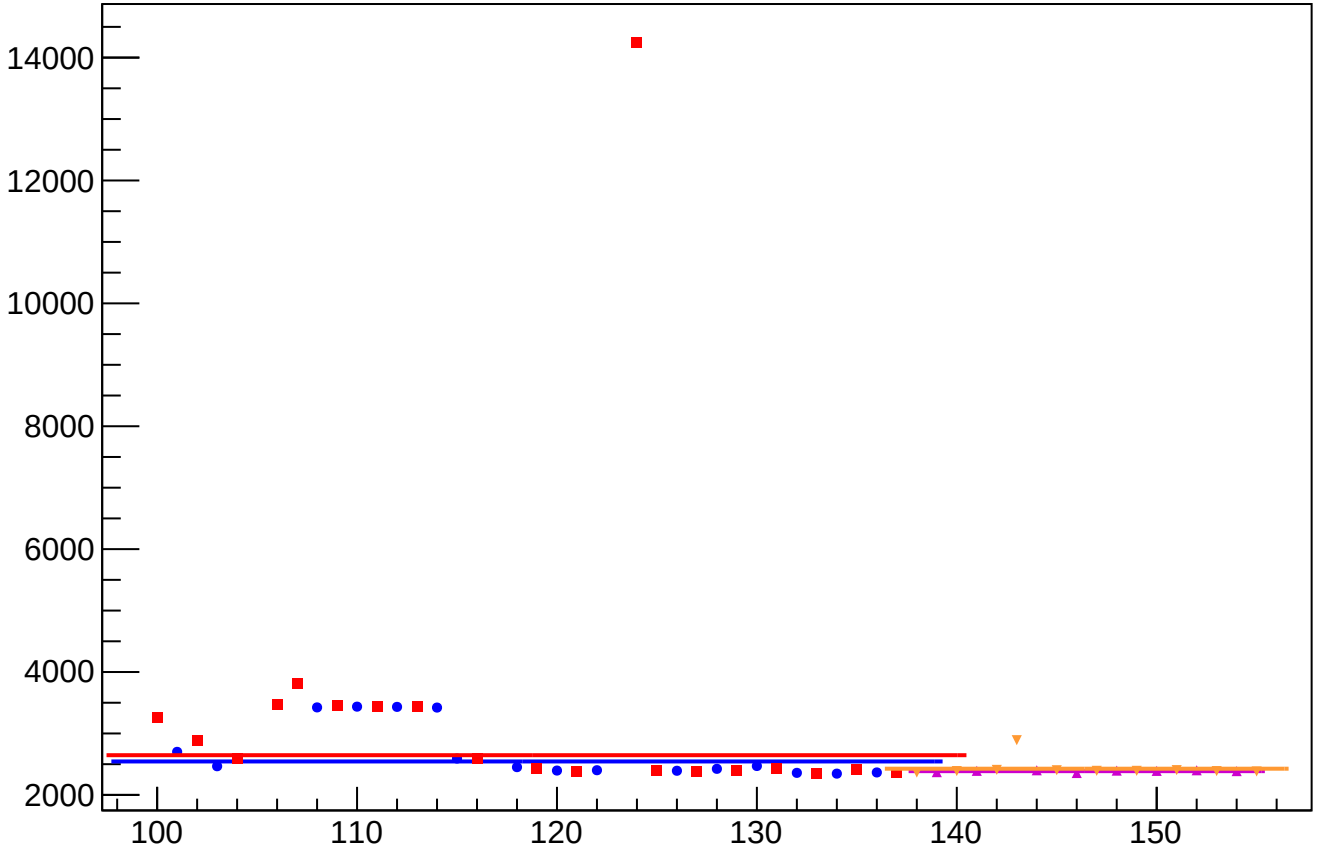
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1727.447+/-654.440 χ^2/NDF:25.8/23

Out: 1906.763+/-650.902 χ^2/NDF:33.1/28

All: 1817.591+/-461.503 χ^2/NDF: 58.9/52

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2426.407+/-0.613 χ^2/NDF:45727.1/9

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2386.555+/-0.637 χ^2/NDF:531.4/7

Left: 2407.241+/-0.442 χ^2/NDF: 48291.0/17

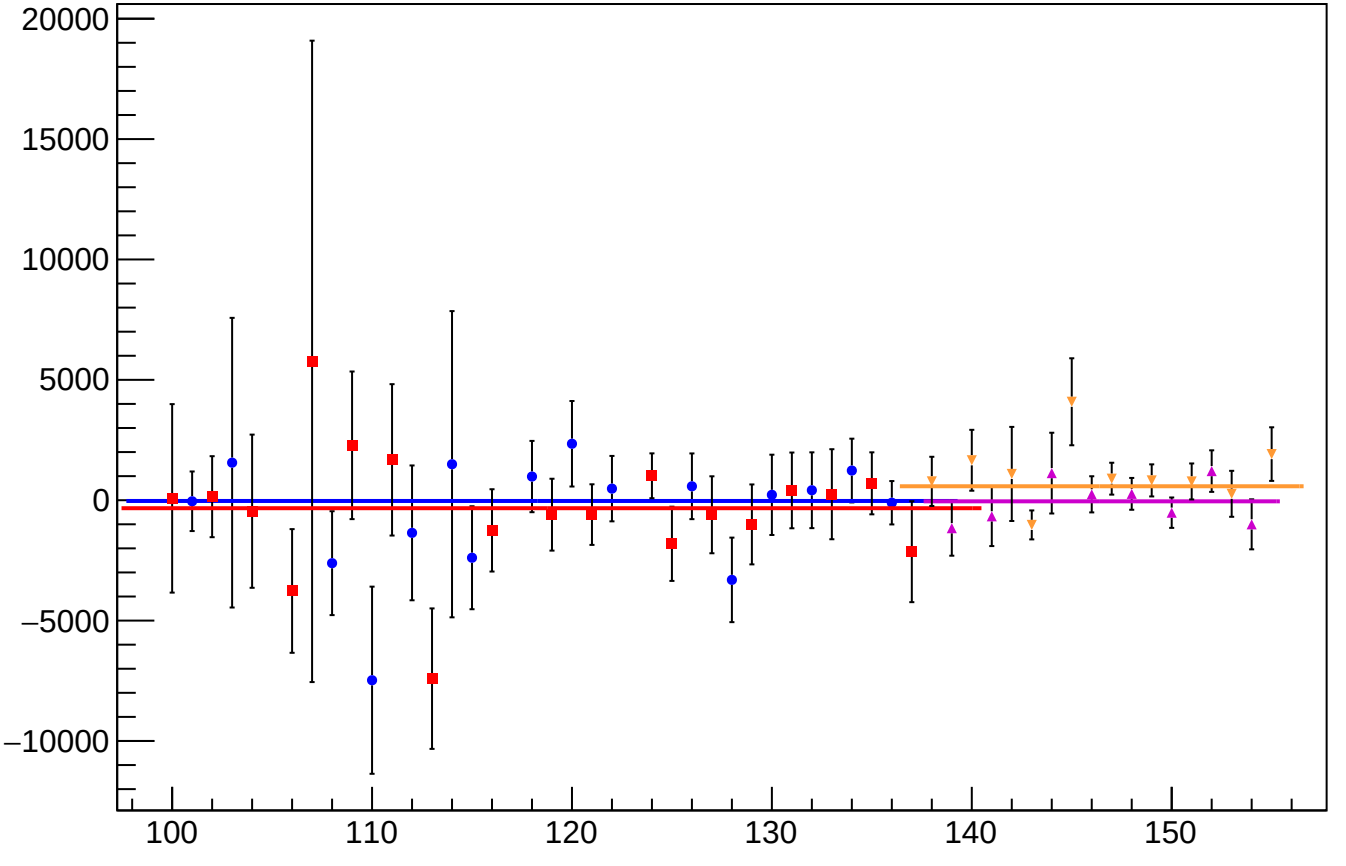
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2461.071+/-0.463 χ^2/NDF:255146.9/23

Out: 2522.305+/-0.460 χ^2/NDF:641362.0/28

All: 2491.854+/-0.326 χ^2/NDF: 905311.1/52

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 579.721+/-275.808 χ^2/NDF:13.7/9

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -46.087+/-306.905 χ^2/NDF:5.6/7

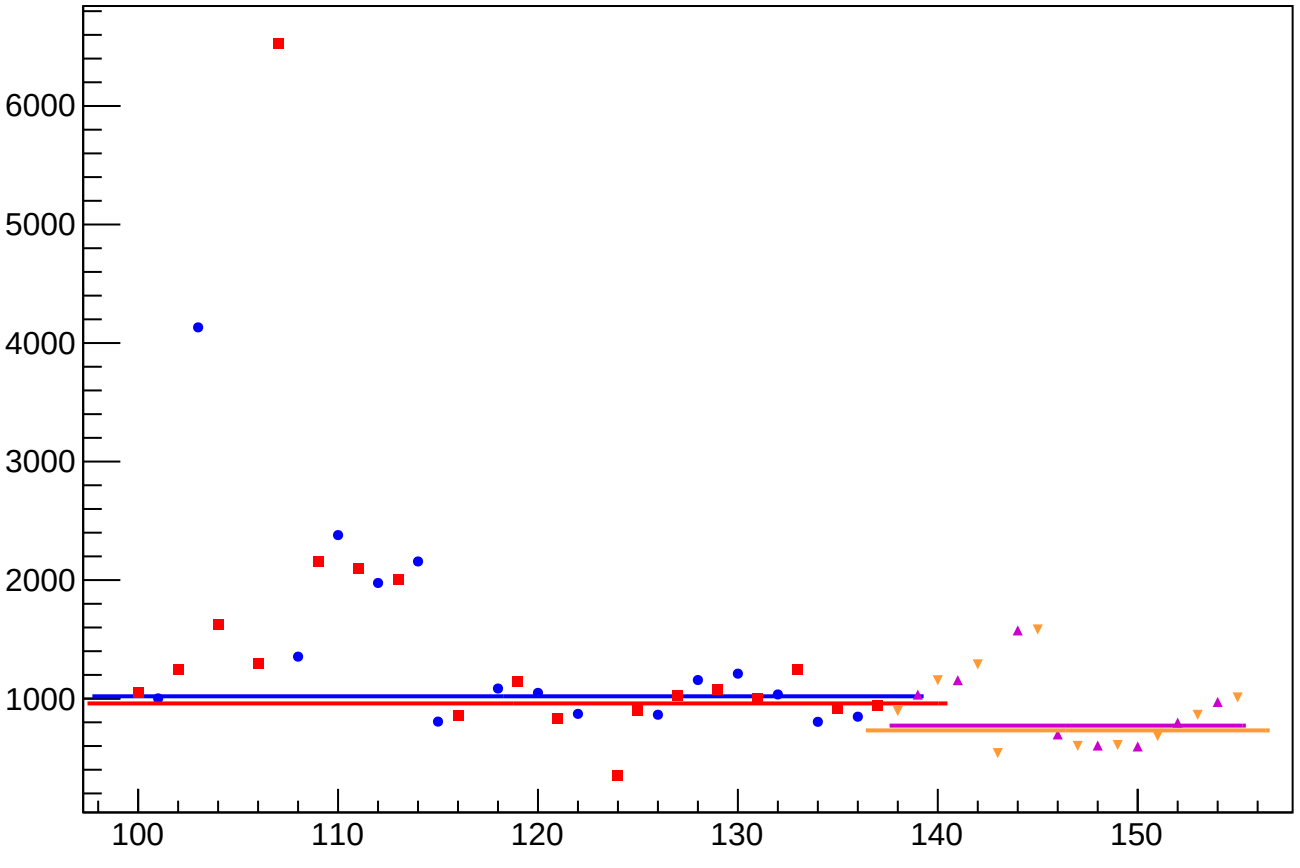
Left: 300.119+/-205.141 χ^2/NDF: 21.6/17

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -40.688+/-244.765 χ^2/NDF:19.4/23

Out: 285.281+/-226.941 χ^2/NDF:31.6/28

All: 134.596+/-166.416 χ^2/NDF: 52.0/52



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 731.801+/-0.195 χ^2/NDF:1402118.0/9

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 772.140+/-0.217 χ^2/NDF:1135684.4/7

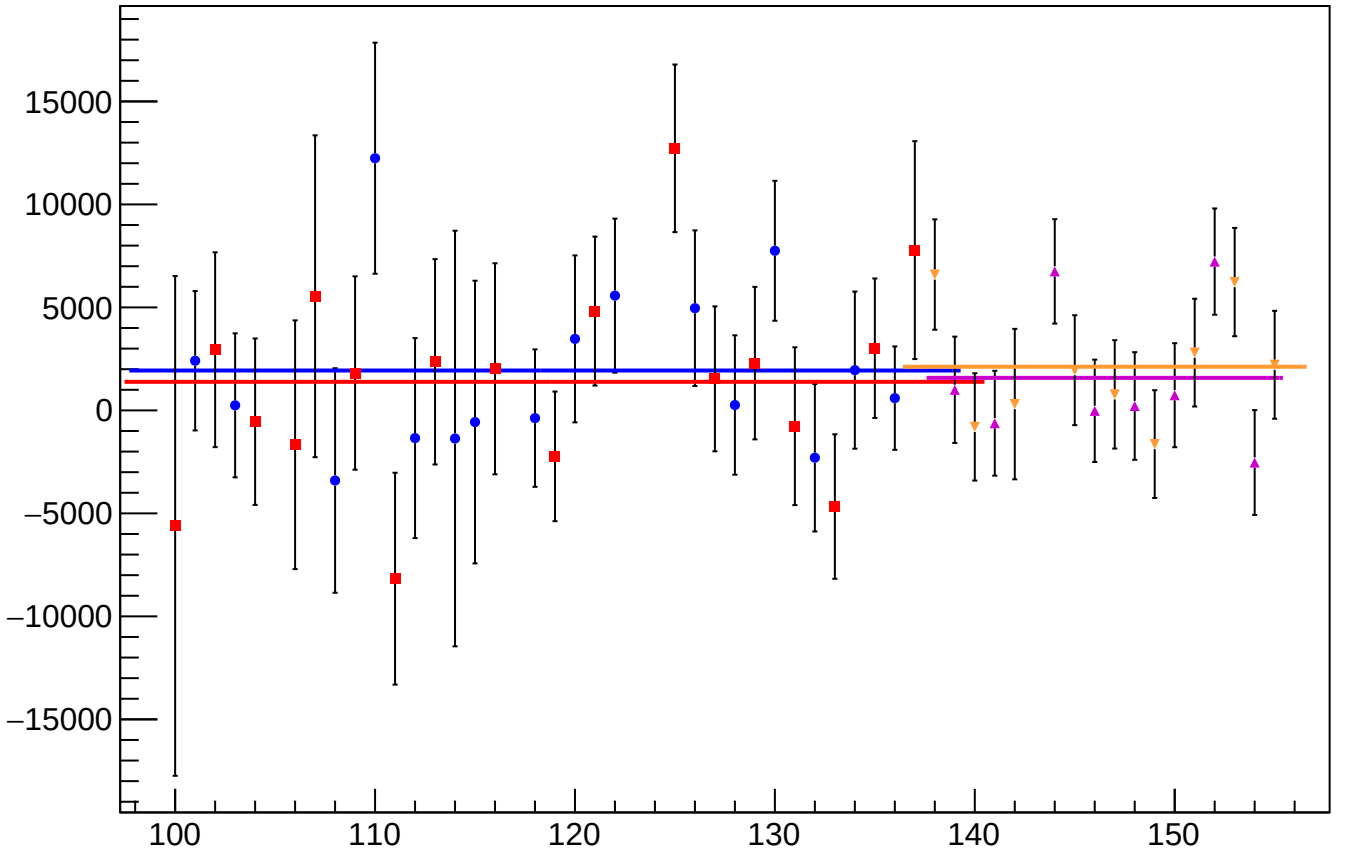
Left: 749.824+/-0.145 χ^2/NDF: 2556916.6/17

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 862.171+/-0.173 χ^2/NDF:2973327.9/23

Out: 805.289+/-0.160 χ^2/NDF:4186191.9/28

All: 831.584+/-0.118 χ^2/NDF: 7217603.3/52



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2118.883+/-901.889 χ^2/NDF:9.1/8

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1578.928+/-901.606 χ^2/NDF:13.2/7

Left: 1848.820+/-637.632 χ^2/NDF: 22.5/16

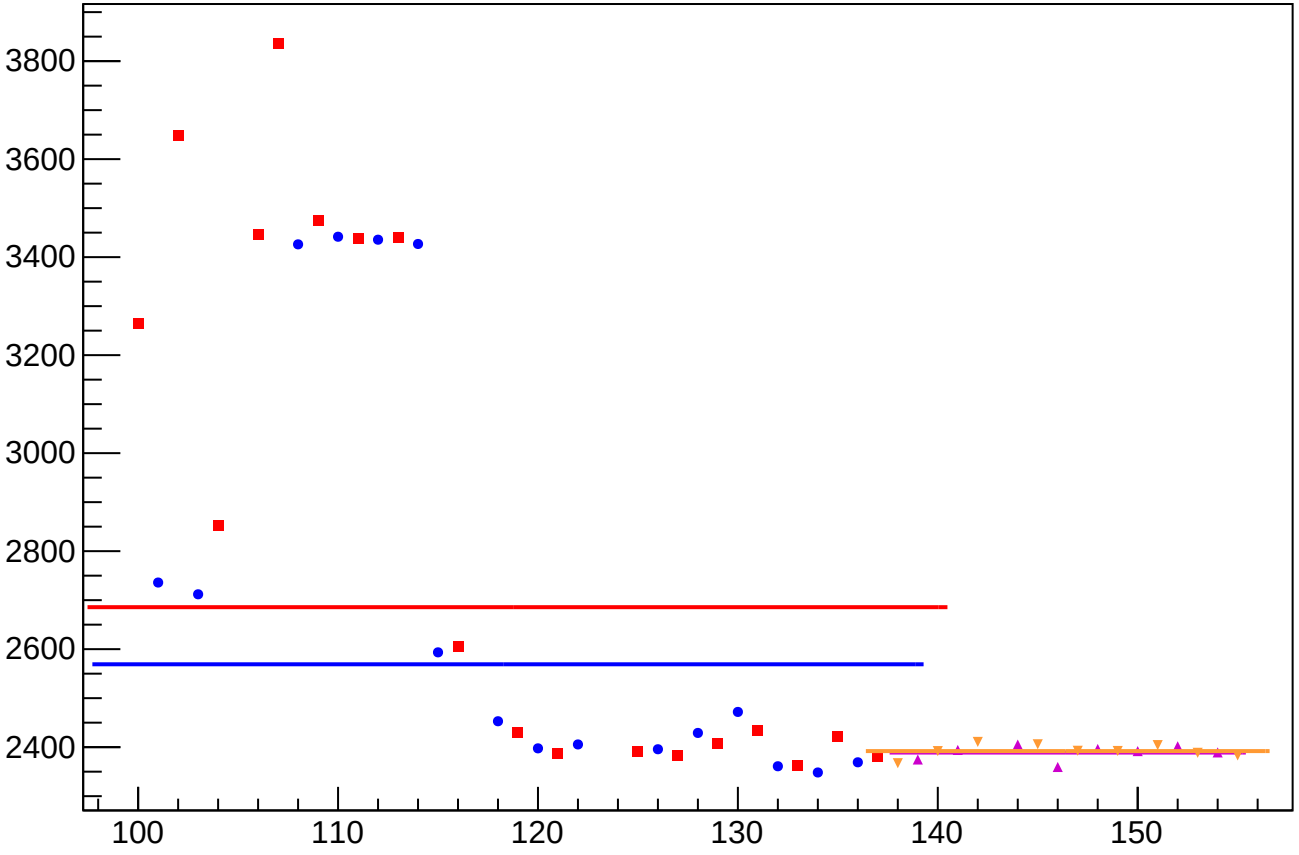
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1745.841+/-657.950 χ^2/NDF:25.6/23

Out: 1794.118+/-672.454 χ^2/NDF:29.2/26

All: 1769.453+/-470.285 χ^2/NDF: 54.8/50

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2391.981+/-0.638 χ^2/NDF:347.1/8

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2389.003+/-0.638 χ^2/NDF:500.4/7

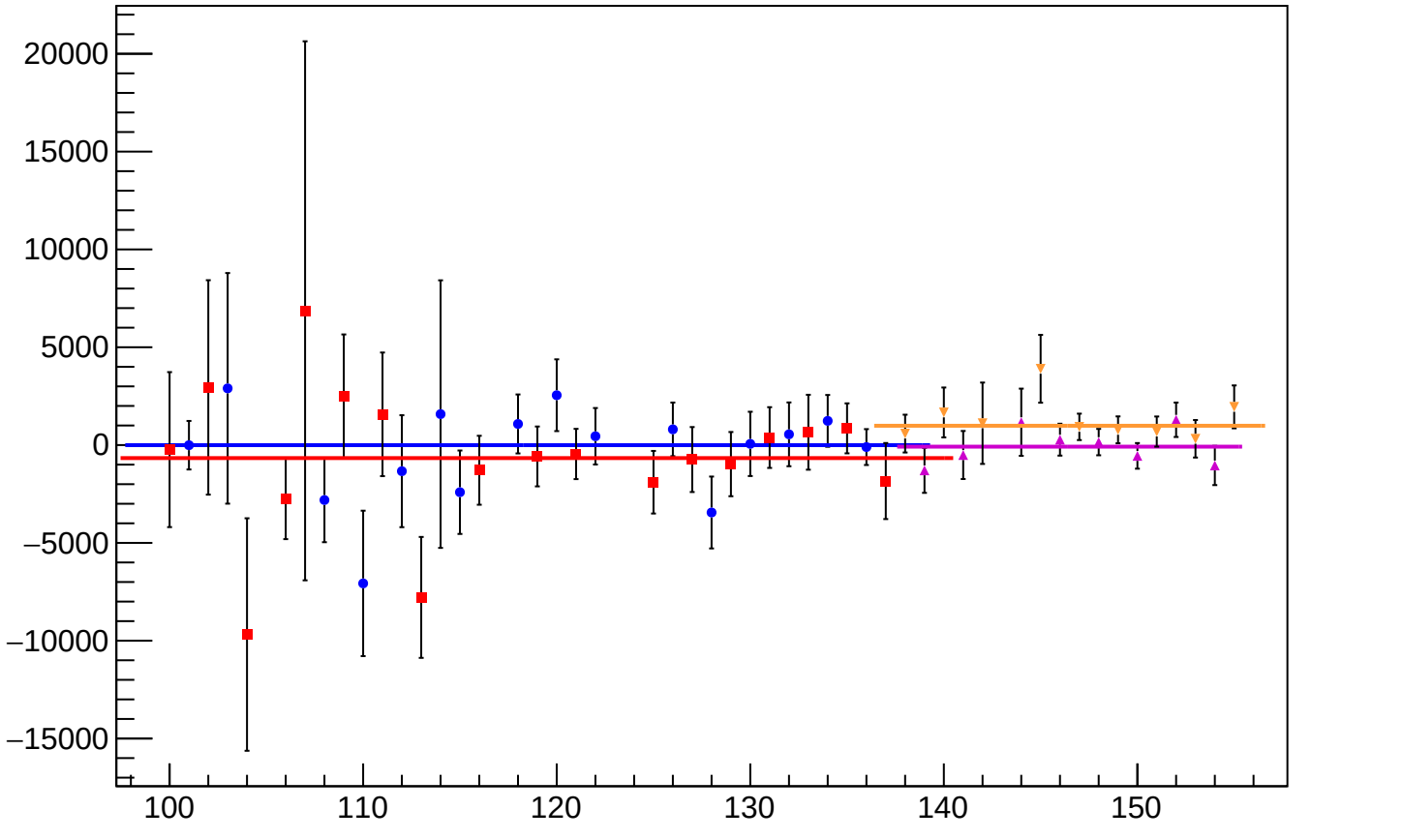
Left: 2390.491+/-0.451 χ^2/NDF: 858.3/16

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

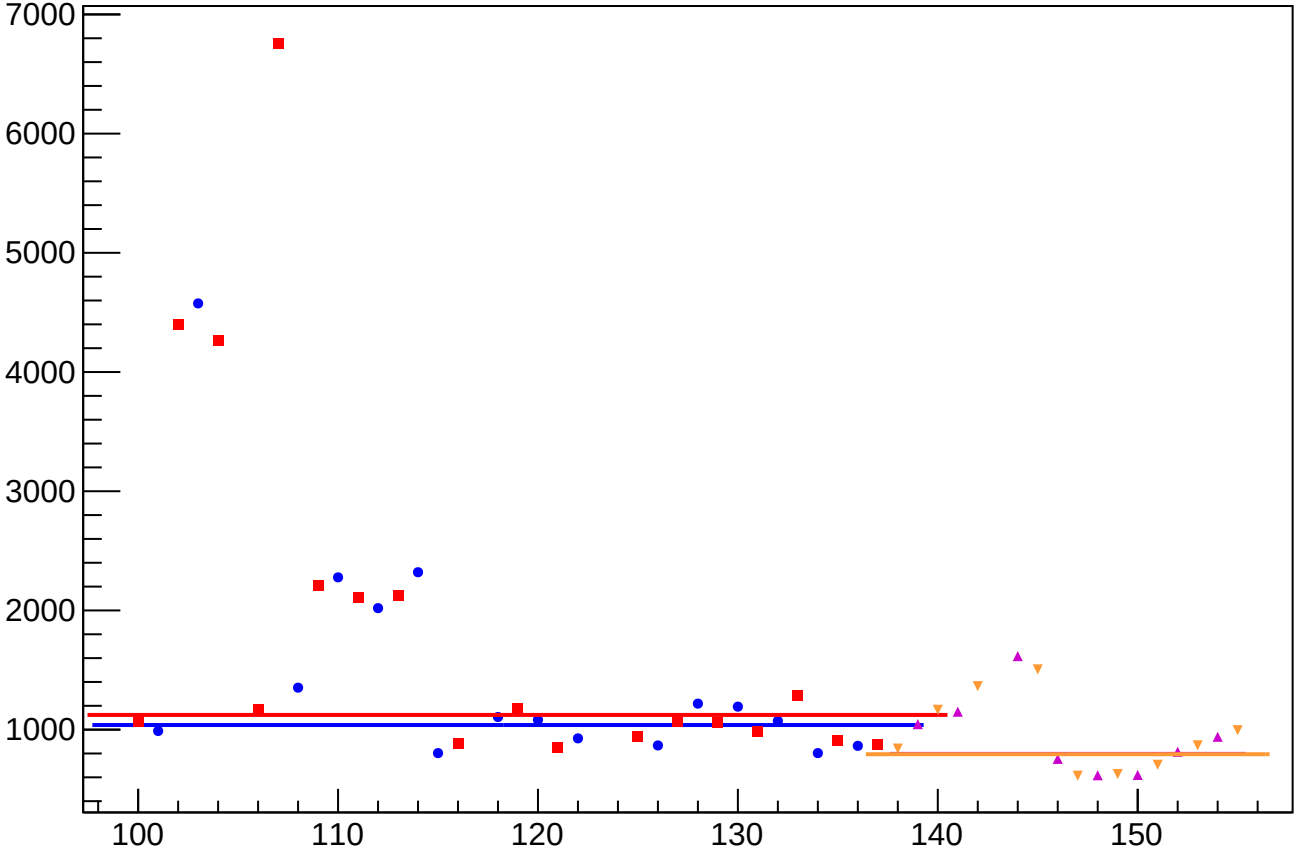
In: 2473.205+/-0.465 χ^2/NDF:267304.2/23

Out: 2522.402+/-0.475 χ^2/NDF:513793.3/26

All: 2497.267+/-0.333 χ^2/NDF: 786566.6/50


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -5.169+/-412.248 χ²/NDF: 14.5/15
Left Out: 986.948+/-313.645 χ²/NDF:4.8/8
Right Out: -665.952+/-460.513 χ²/NDF: 14.4/17
Left In: -81.574+/-314.947 χ²/NDF:5.9/7
Left: 454.899+/-222.239 χ²/NDF: 16.5/16
Right: -299.130+/-307.154 χ²/NDF: 30.0/33
In: -53.415+/-250.269 χ²/NDF:20.5/23
Out: 463.180+/-259.232 χ²/NDF:28.0/26
All: 195.797+/-180.052 χ²/NDF: 50.5/50

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 793.804+/-0.222 χ^2/NDF:1028695.4/8

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 796.577+/-0.223 χ^2/NDF:1050446.4/7

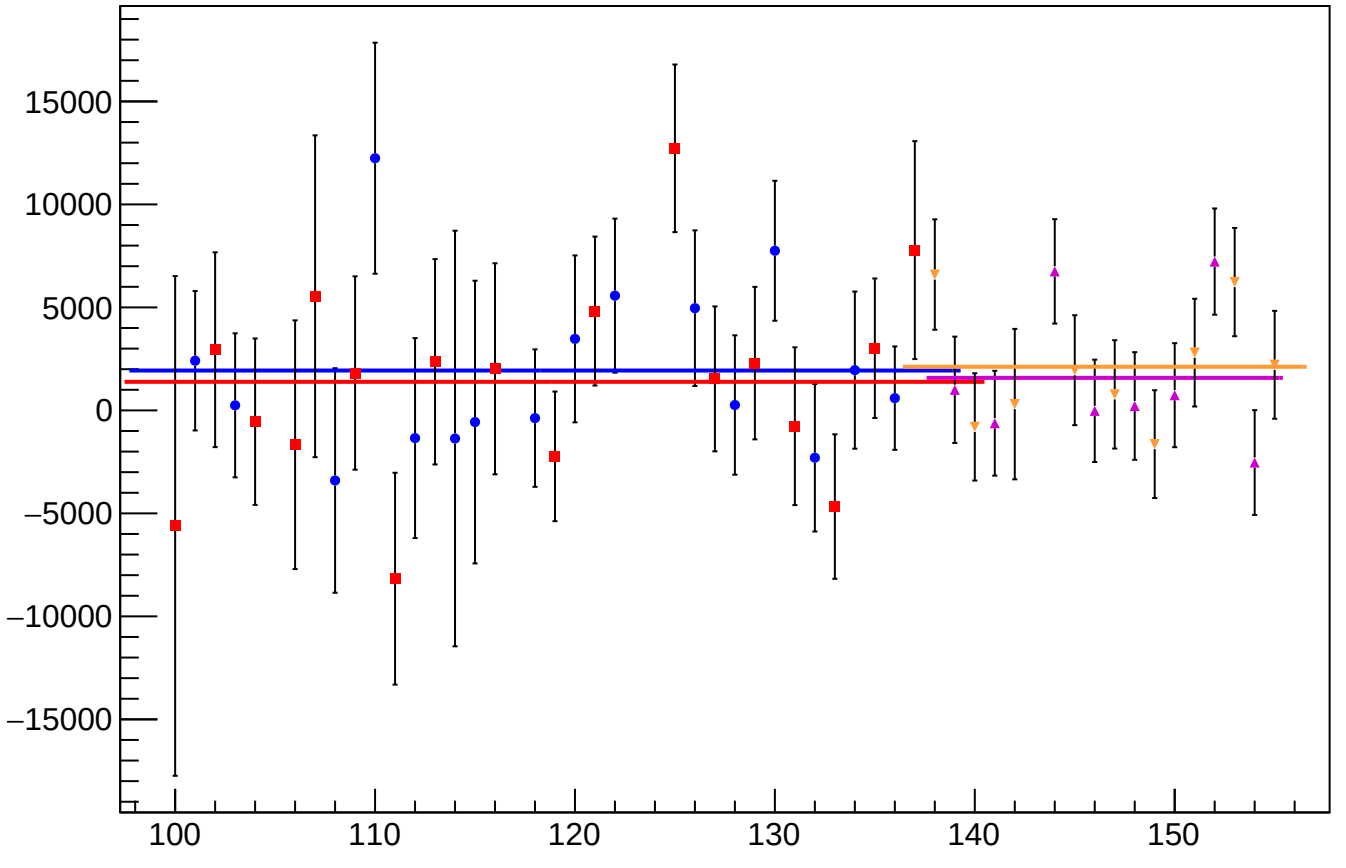
Left: 795.185+/-0.157 χ^2/NDF: 2079219.6/16

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 885.849+/-0.177 χ^2/NDF:3026185.2/23

Out: 898.270+/-0.183 χ^2/NDF:4264376.5/26

All: 891.841+/-0.127 χ^2/NDF: 7292938.1/50



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2118.885+/-901.889 χ^2/NDF:9.1/8

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1578.927+/-901.606 χ^2/NDF:13.2/7

Left: 1848.822+/-637.632 χ^2/NDF: 22.5/16

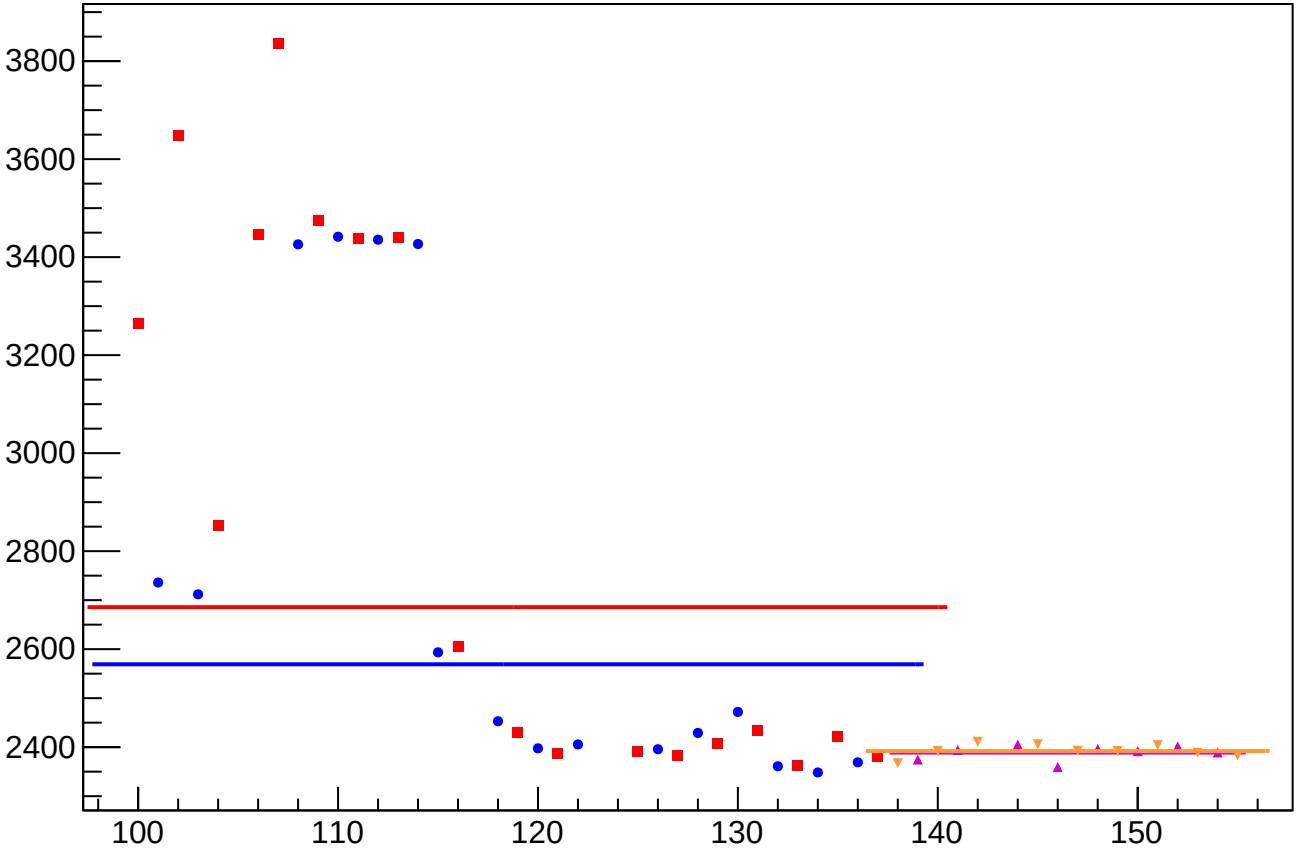
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1745.839+/-657.950 χ^2/NDF:25.6/23

Out: 1794.118+/-672.454 χ^2/NDF:29.2/26

All: 1769.453+/-470.285 χ^2/NDF: 54.8/50

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2391.981+/-0.638 χ^2/NDF:347.1/8

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2389.003+/-0.638 χ^2/NDF:500.4/7

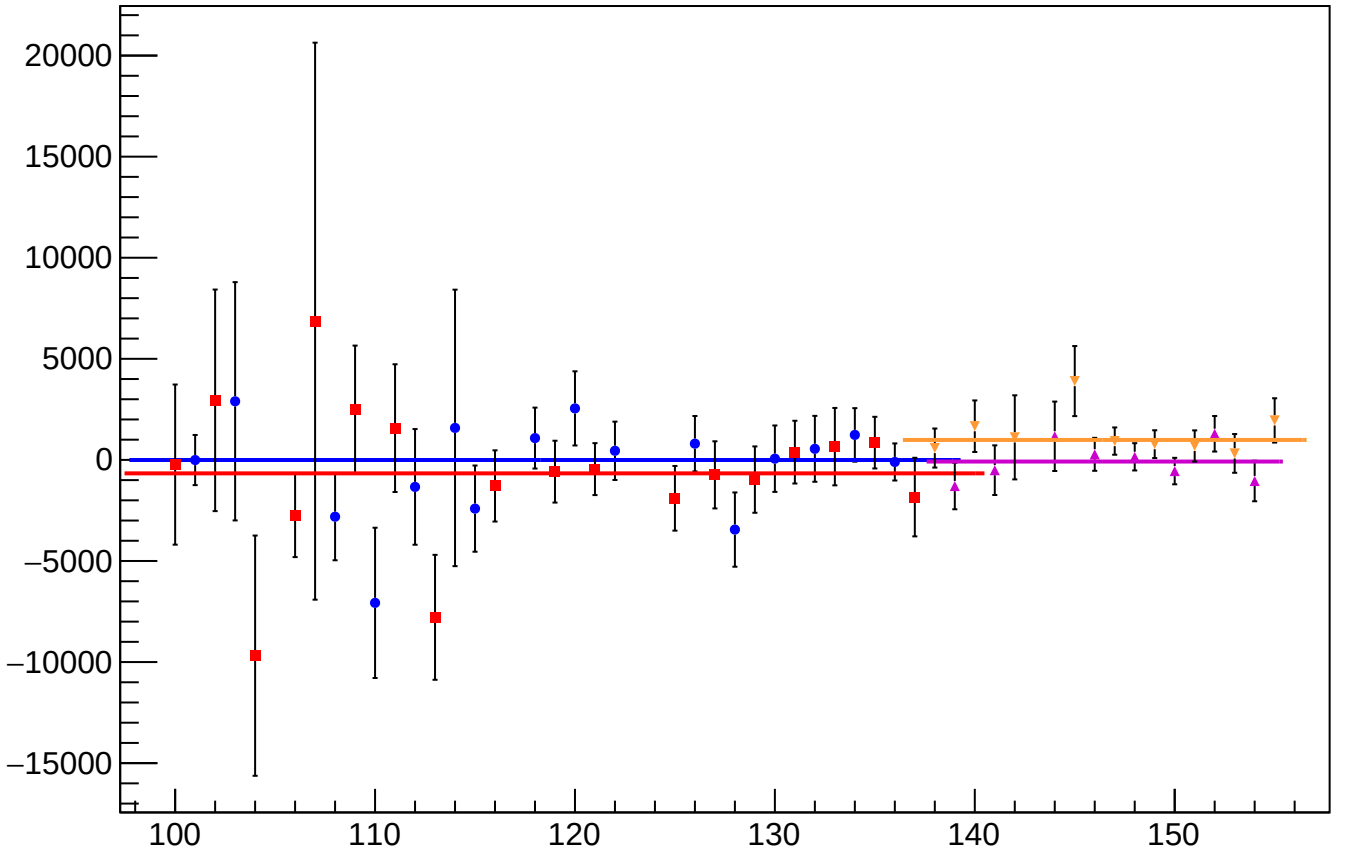
Left: 2390.491+/-0.451 χ^2/NDF: 858.3/16

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2473.205+/-0.465 χ^2/NDF:267303.8/23

Out: 2522.402+/-0.475 χ^2/NDF:513792.5/26

All: 2497.267+/-0.333 χ^2/NDF: 786565.4/50



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 986.949+/-313.646 χ^2/NDF:4.8/8

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -81.574+/-314.947 χ^2/NDF:5.9/7

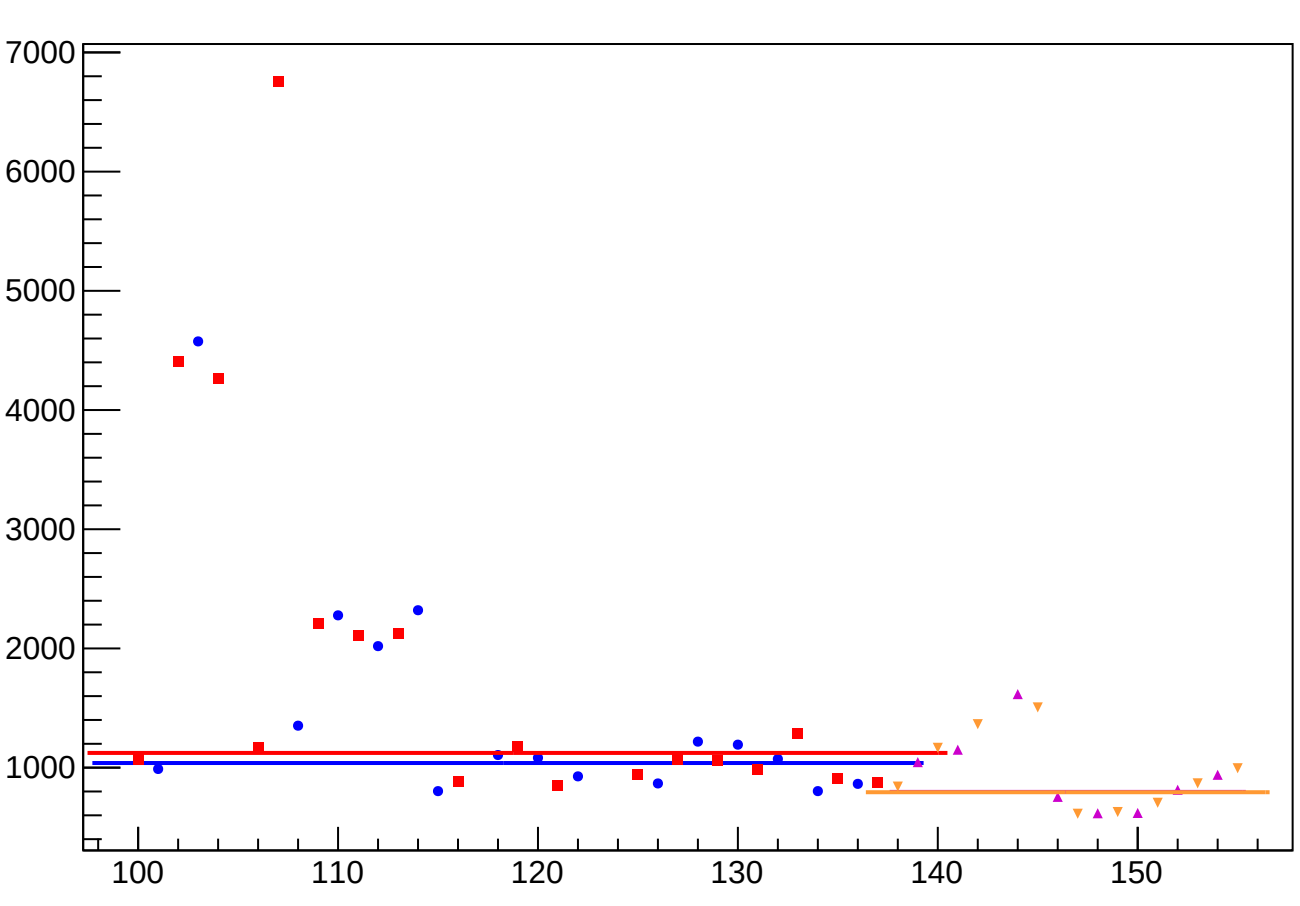
Left: 454.900+/-222.240 χ^2/NDF: 16.5/16

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -53.416+/-250.269 χ^2/NDF:20.5/23

Out: 463.179+/-259.232 χ^2/NDF:28.0/26

All: 195.797+/-180.052 χ^2/NDF: 50.5/50



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 793.806+/-0.222 χ^2/NDF:1028693.1/8

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 796.578+/-0.223 χ^2/NDF:1050443.7/7

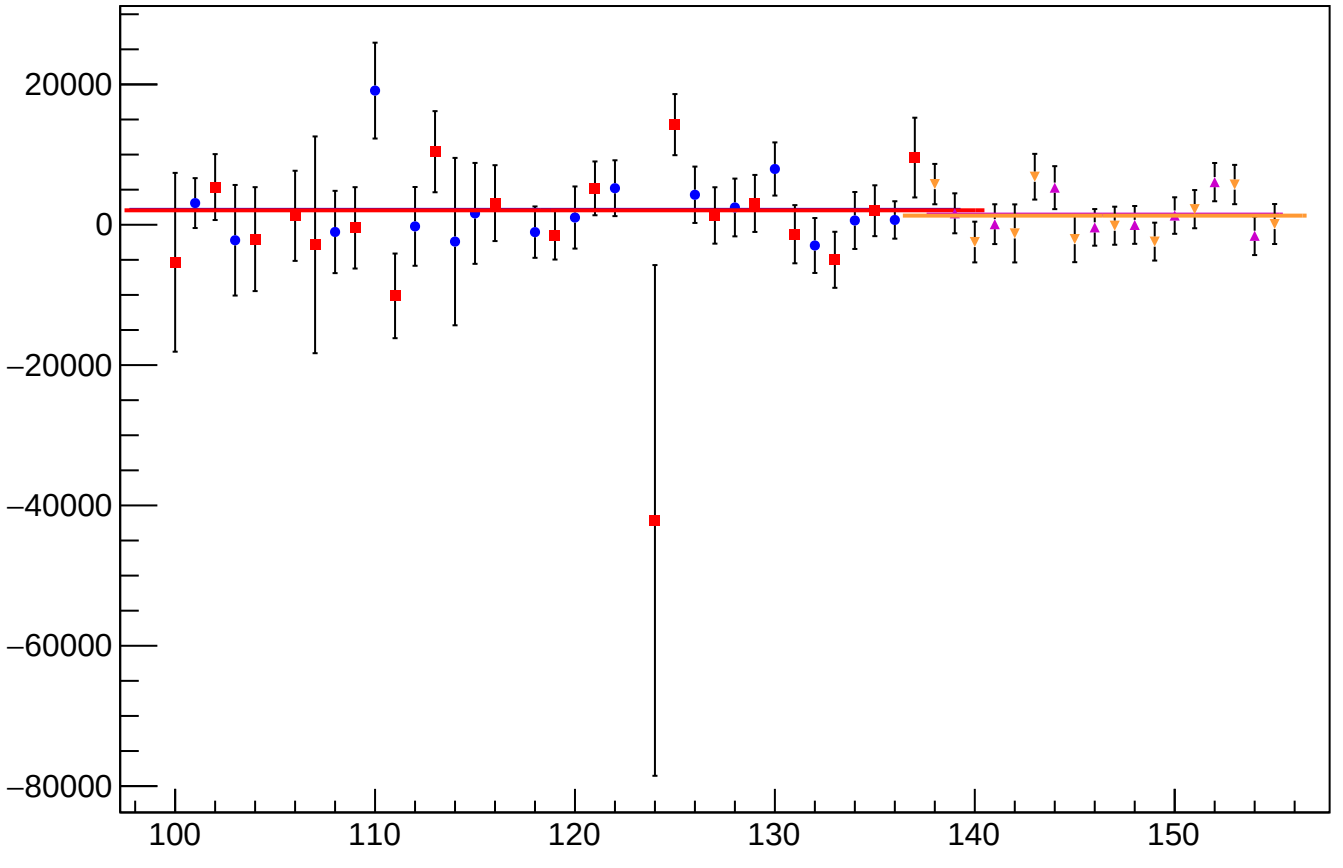
Left: 795.186+/-0.157 χ^2/NDF: 2079214.6/16

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 885.850+/-0.177 χ^2/NDF:3026173.3/23

Out: 898.271+/-0.183 χ^2/NDF:4264366.6/26

All: 891.842+/-0.127 χ^2/NDF: 7292916.3/50



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1301.393+/-935.294 χ^2/NDF:13.4/9

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1445.421+/-974.669 χ^2/NDF:6.7/7

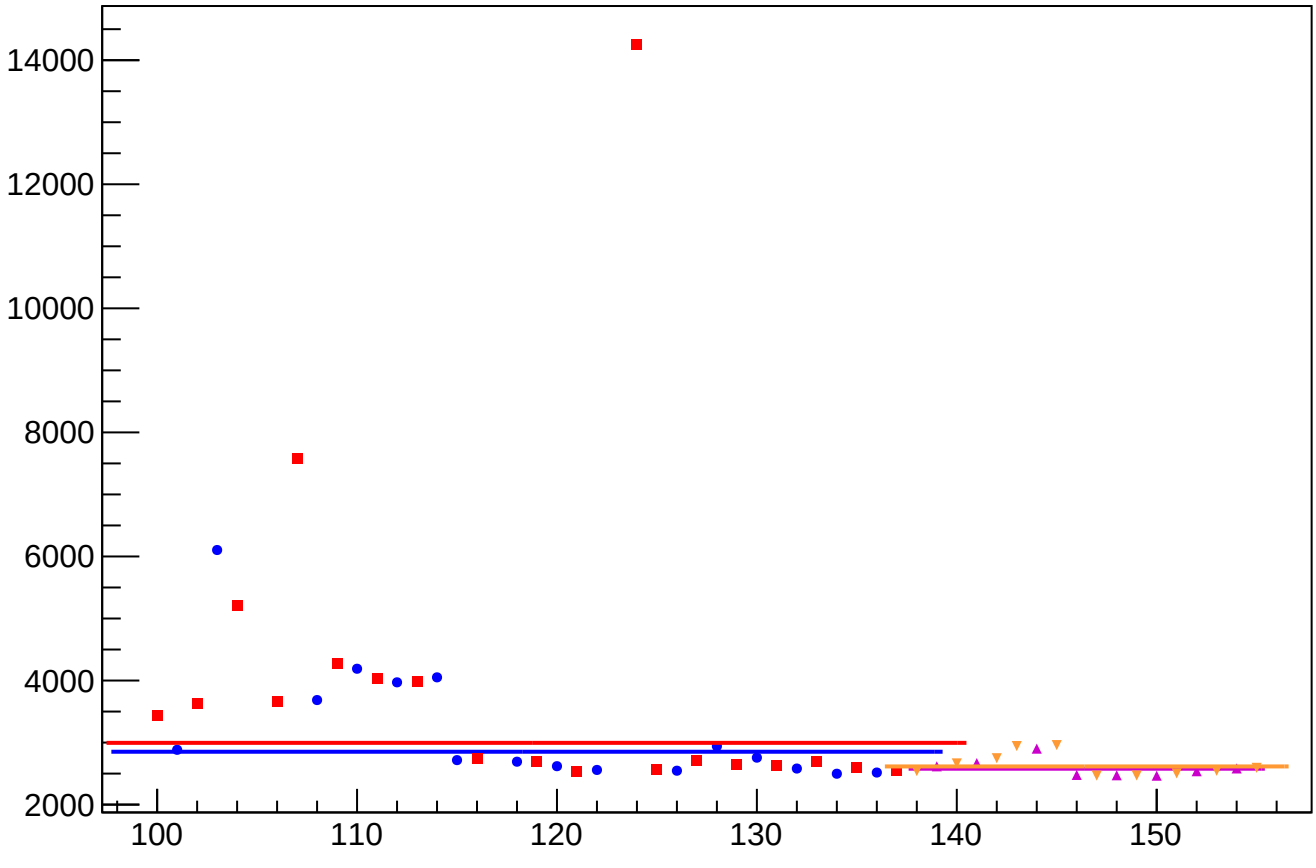
Left: 1370.439+/-674.843 χ^2/NDF: 20.1/17

Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1747.660+/-724.984 χ^2/NDF:20.3/23

Out: 1607.508+/-722.262 χ^2/NDF:38.0/28

All: 1677.321+/-511.676 χ^2/NDF: 58.2/52



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2615.304+/-0.661 χ^2/NDF:62653.9/9

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2578.539+/-0.689 χ^2/NDF:34958.5/7

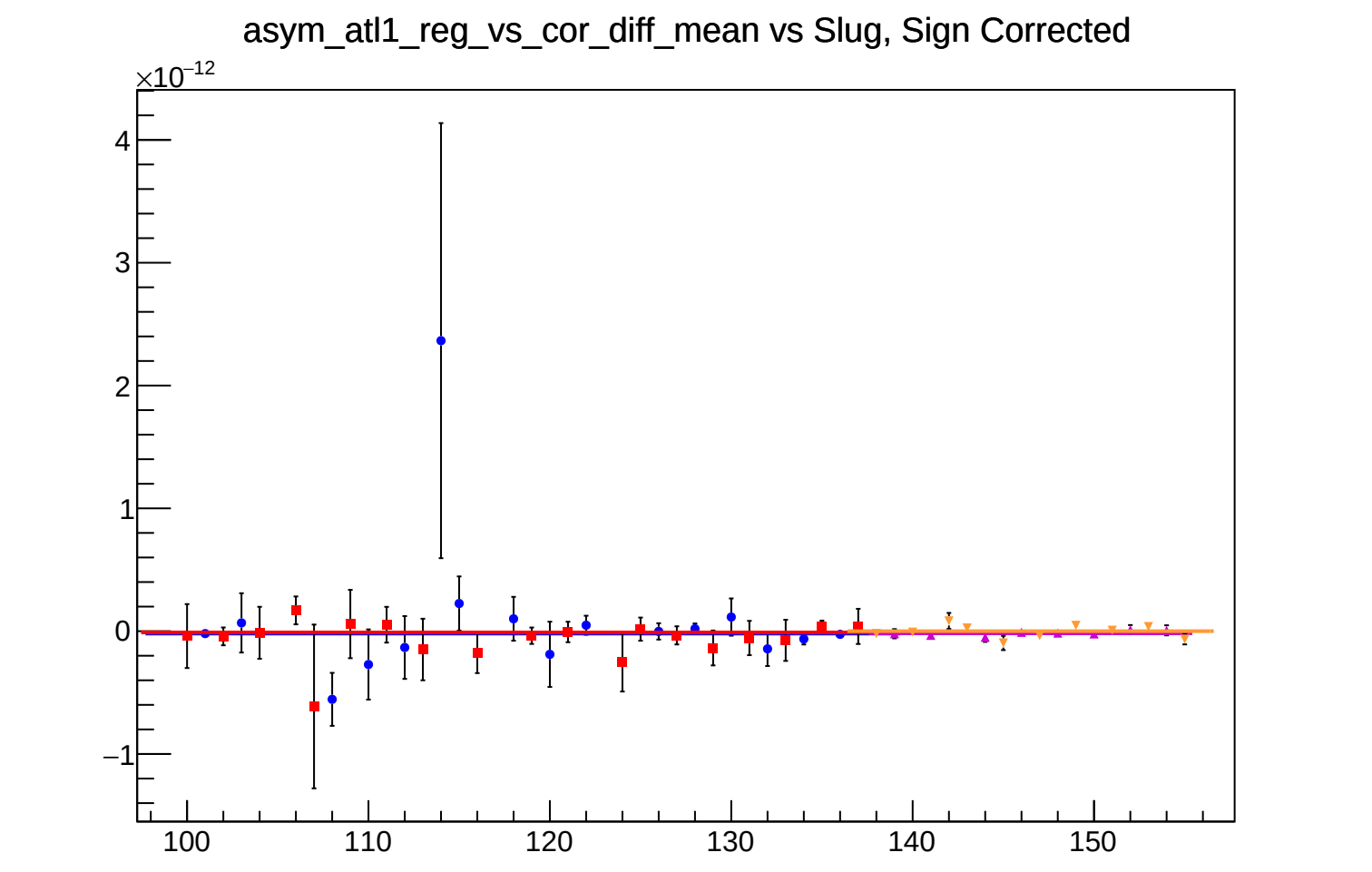
Left: 2597.679+/-0.477 χ^2/NDF: 99093.8/17

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2700.792+/-0.513 χ^2/NDF:754110.2/23

Out: 2768.784+/-0.511 χ^2/NDF:1175243.5/28

All: 2734.916+/-0.362 χ^2/NDF: 1938182.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/7

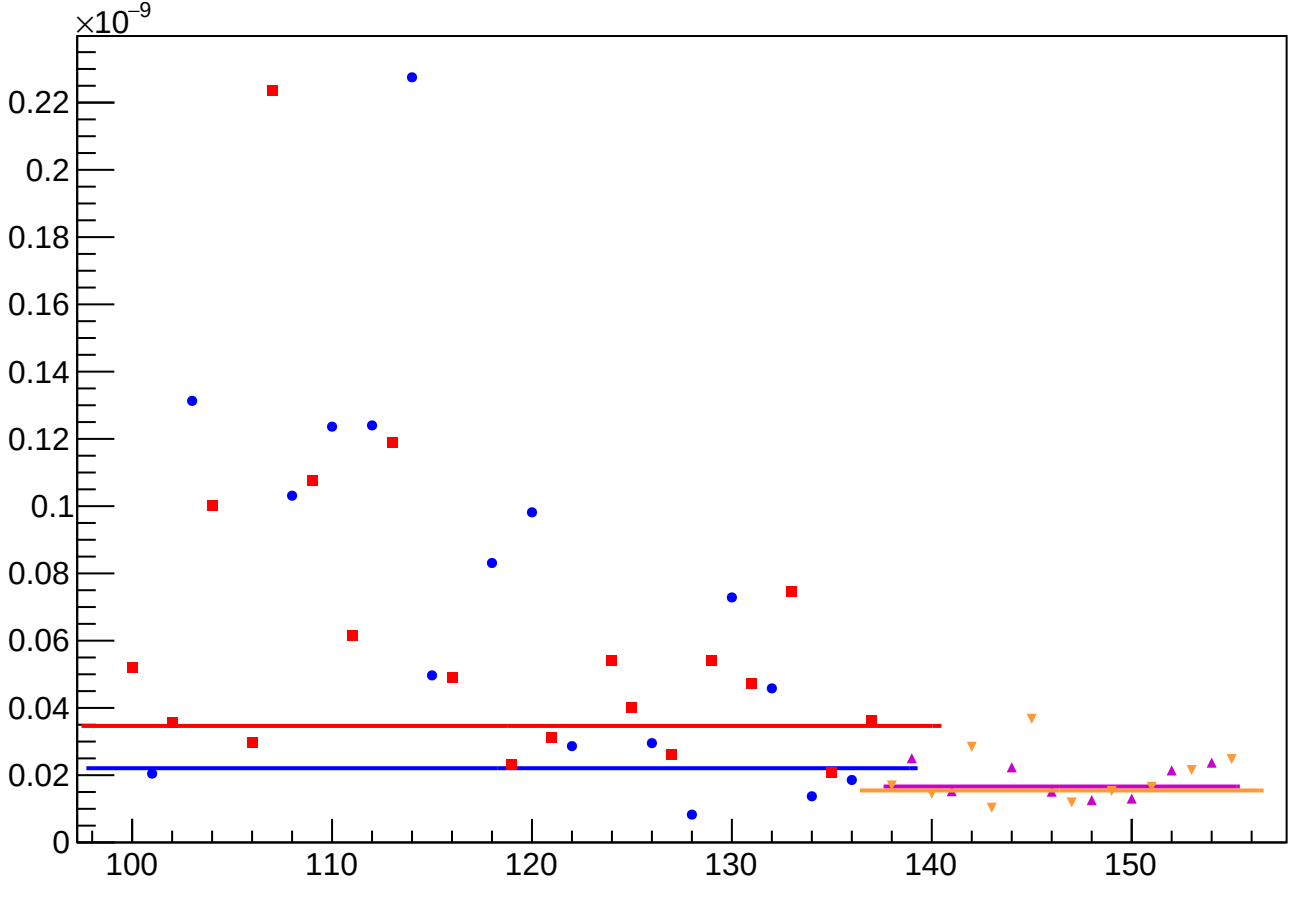
Left: -0.000+/-0.000 χ^2/NDF: 19.5/17

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:17.6/23

Out: -0.000+/-0.000 χ^2/NDF:24.3/28

All: -0.000+/-0.000 χ^2/NDF: 43.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:706609.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:355777.6/7

Left: 0.000+/-0.000 χ^2/NDF: 1076447.9/17

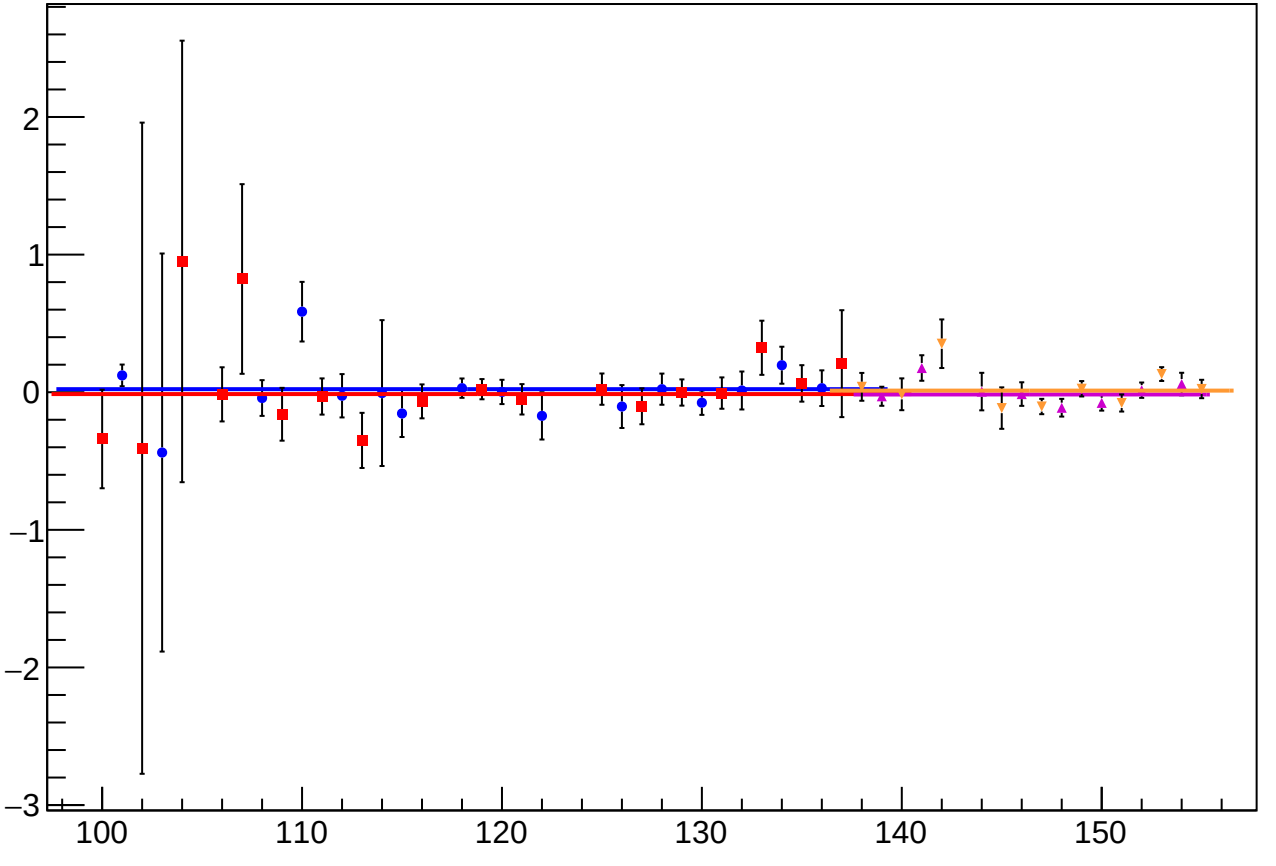
Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:2845267.4/23

Out: 0.000+/-0.000 χ^2/NDF:3032949.8/28

All: 0.000+/-0.000 χ^2/NDF: 5879787.2/52

asym_atl1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.024 χ^2/NDF:16.8/8

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.016+/-0.025 χ^2/NDF:8.9/7

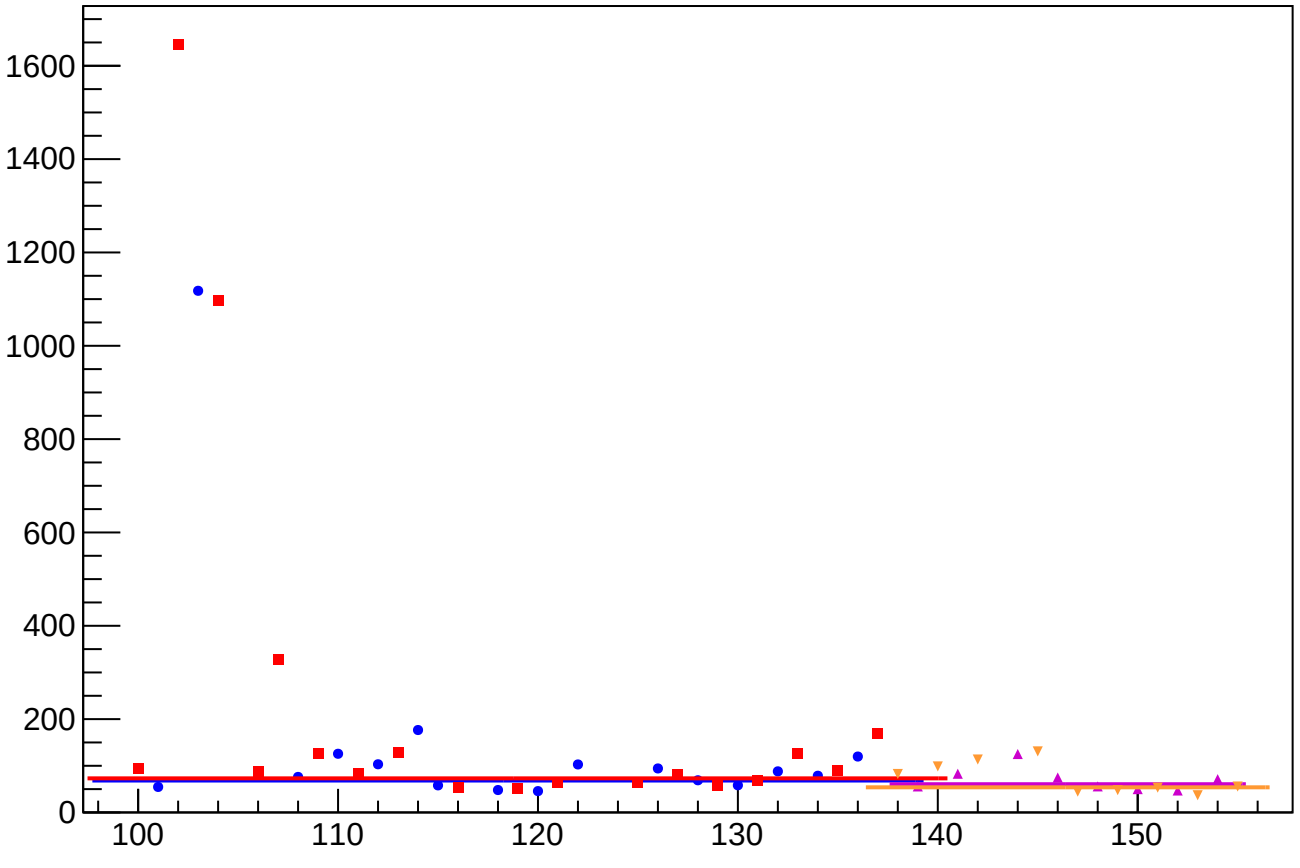
Left: -0.001+/-0.017 χ^2/NDF: 26.4/16

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.000+/-0.019 χ^2/NDF:24.7/23

Out: 0.003+/-0.019 χ^2/NDF:28.0/26

All: 0.002+/-0.014 χ^2/NDF: 52.7/50



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 53.864+/-0.017 χ^2/NDF:1517608.9/8

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 60.496+/-0.018 χ^2/NDF:864594.0/7

Left: 56.949+/-0.012 χ^2/NDF: 2454654.5/16

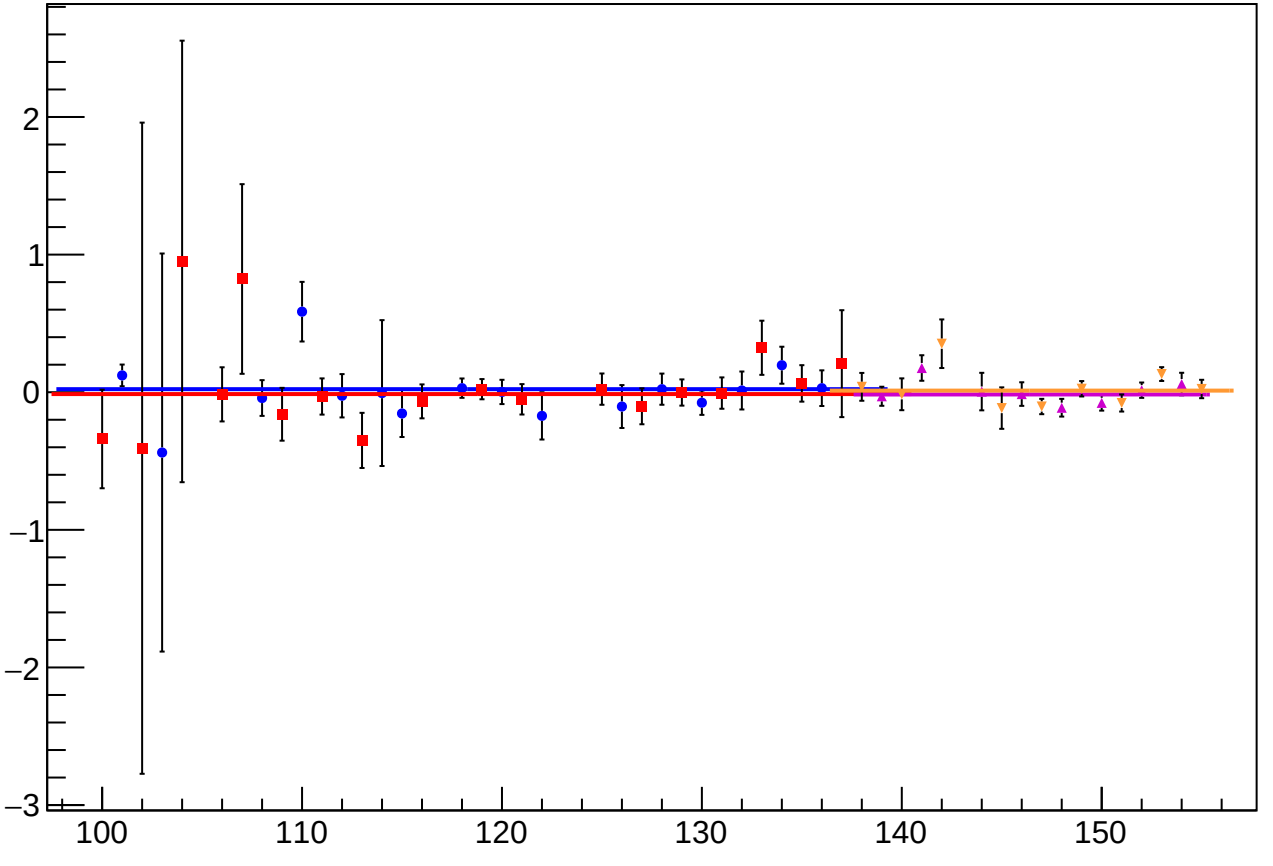
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 63.801+/-0.014 χ^2/NDF:3223472.4/23

Out: 60.299+/-0.014 χ^2/NDF:4868549.6/26

All: 62.043+/-0.010 χ^2/NDF: 8124532.2/50

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: 0.012+/-0.024 χ^2/NDF:16.8/8

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.016+/-0.025 χ^2/NDF:8.9/7

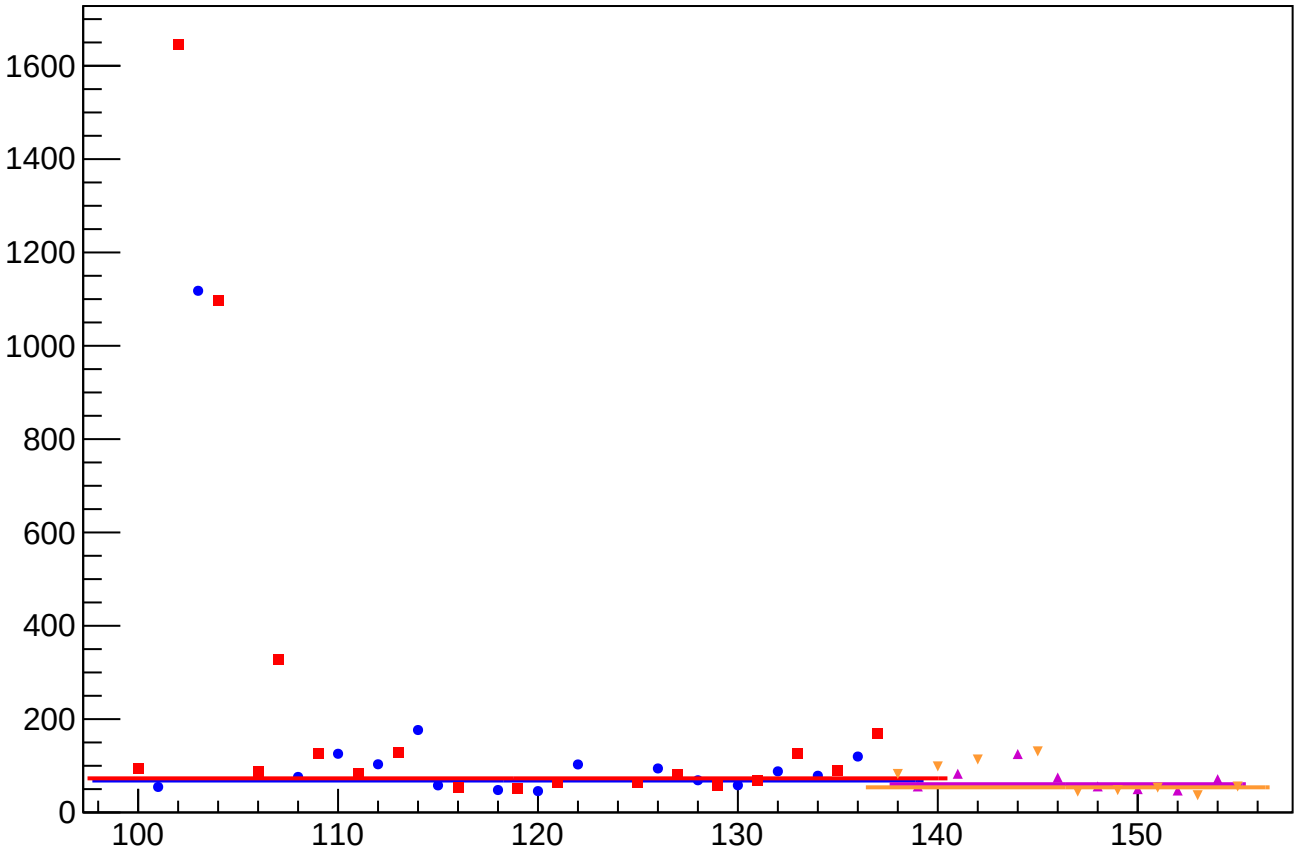
Left: -0.001+/-0.017 χ^2/NDF: 26.4/16

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.000+/-0.019 χ^2/NDF:24.7/23

Out: 0.003+/-0.019 χ^2/NDF:28.0/26

All: 0.002+/-0.014 χ^2/NDF: 52.7/50



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 53.864+/-0.017 χ^2/NDF:1517608.9/8

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 60.496+/-0.018 χ^2/NDF:864594.0/7

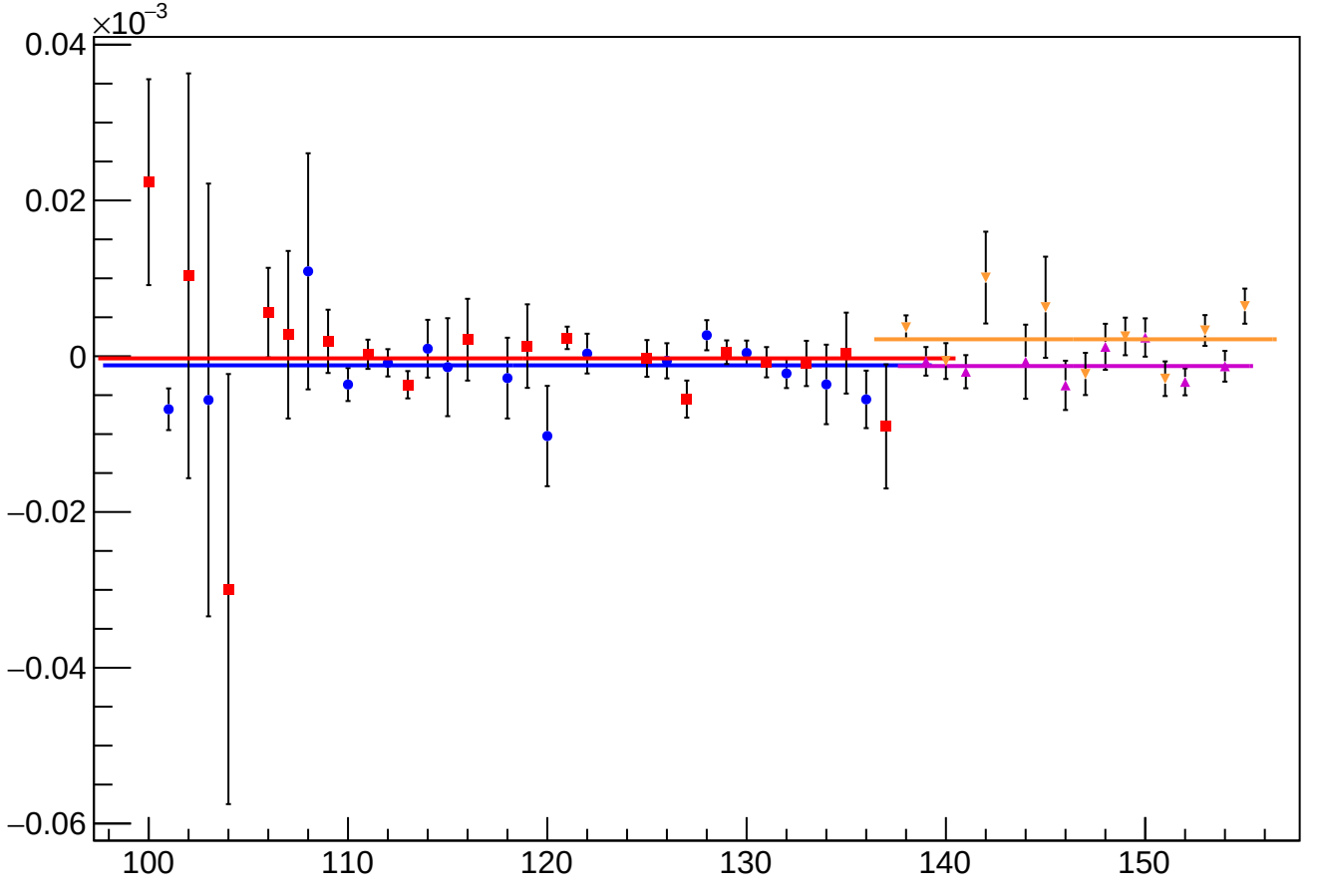
Left: 56.949+/-0.012 χ^2/NDF: 2454654.5/16

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 63.801+/-0.014 χ^2/NDF:3223472.4/23

Out: 60.299+/-0.014 χ^2/NDF:4868549.6/26

All: 62.043+/-0.010 χ^2/NDF: 8124532.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/8

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:5.1/7

Left: 0.000+/-0.000 χ^2/NDF: 31.0/16

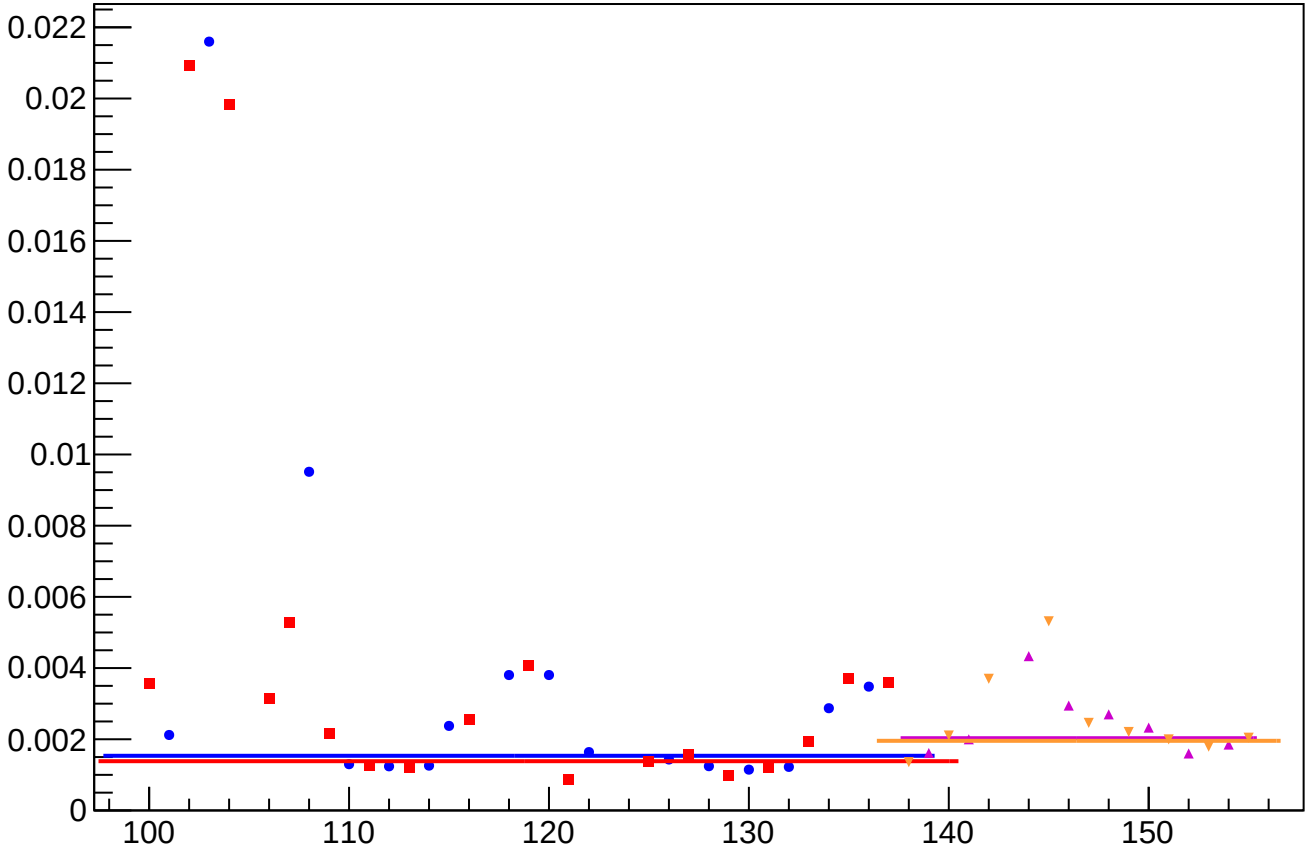
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:21.5/23

Out: 0.000+/-0.000 χ^2/NDF:42.0/26

All: -0.000+/-0.000 χ^2/NDF: 70.5/50

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1129066.8/8

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1012042.8/7

Left: 0.002+/-0.000 χ^2/NDF: 2149538.7/16

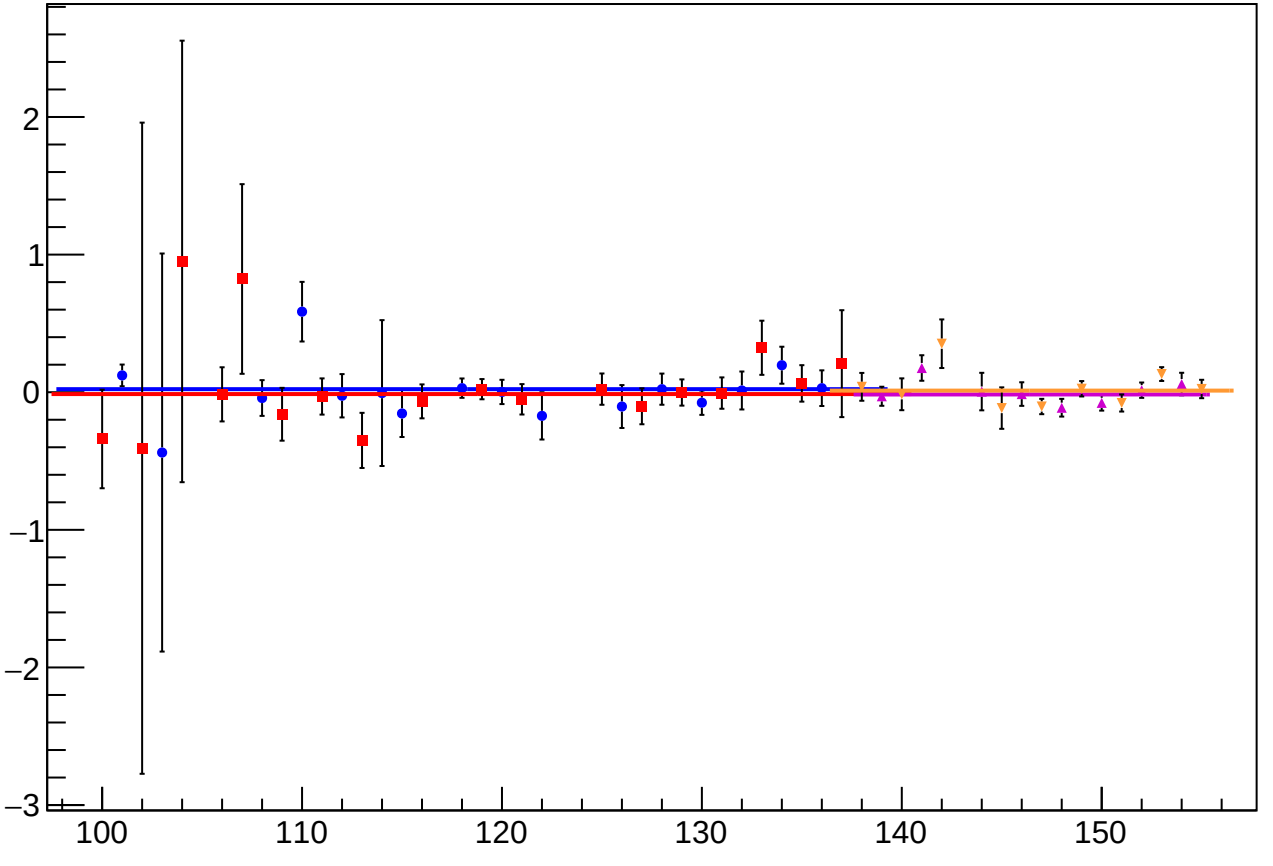
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:4831753.7/23

Out: 0.002+/-0.000 χ^2/NDF:6044139.2/26

All: 0.002+/-0.000 χ^2/NDF: 10937811.8/50

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.024 χ^2/NDF:16.8/8

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.016+/-0.025 χ^2/NDF:8.9/7

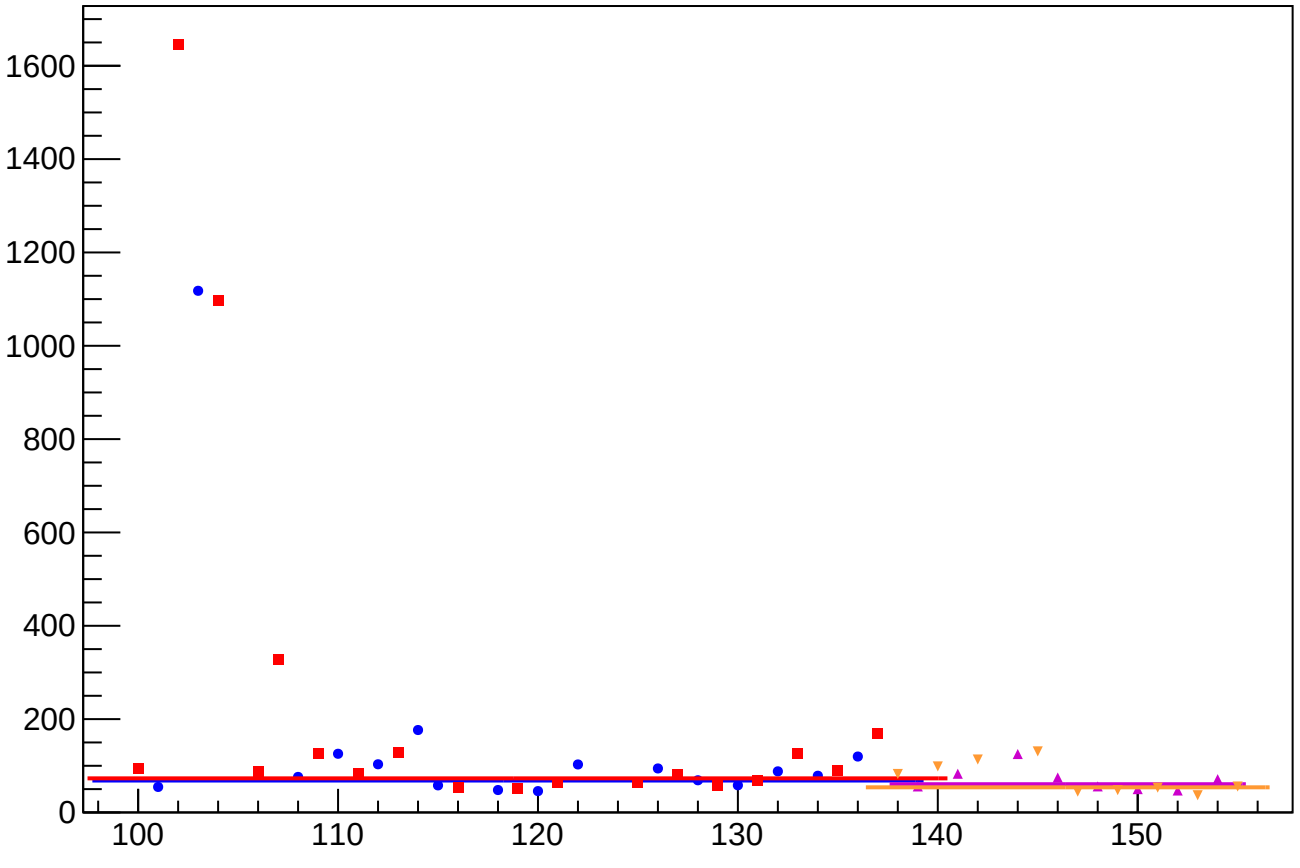
Left: -0.001+/-0.017 χ^2/NDF: 26.4/16

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.000+/-0.019 χ^2/NDF:24.7/23

Out: 0.003+/-0.019 χ^2/NDF:28.0/26

All: 0.002+/-0.014 χ^2/NDF: 52.7/50



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 53.864+/-0.017 χ^2/NDF:1517666.3/8

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 60.496+/-0.018 χ^2/NDF:864587.9/7

Left: 56.949+/-0.012 χ^2/NDF: 2454715.3/16

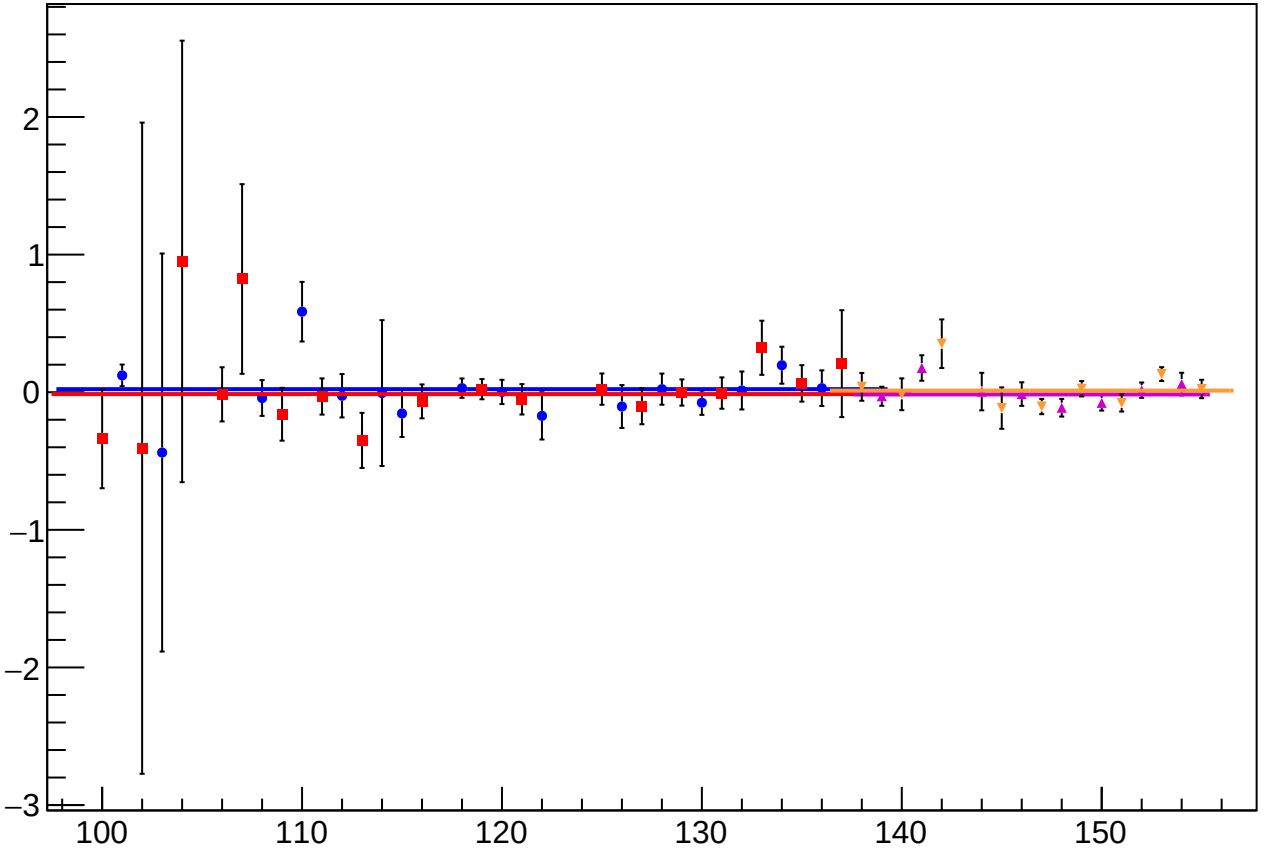
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 63.800+/-0.014 χ^2/NDF:3223532.0/23

Out: 60.299+/-0.014 χ^2/NDF:4868619.1/26

All: 62.042+/-0.010 χ^2/NDF: 8124662.8/50

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: 0.012+/-0.024 χ^2/NDF:16.8/8

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.016+/-0.025 χ^2/NDF:8.9/7

Left: -0.001+/-0.017 χ^2/NDF: 26.4/16

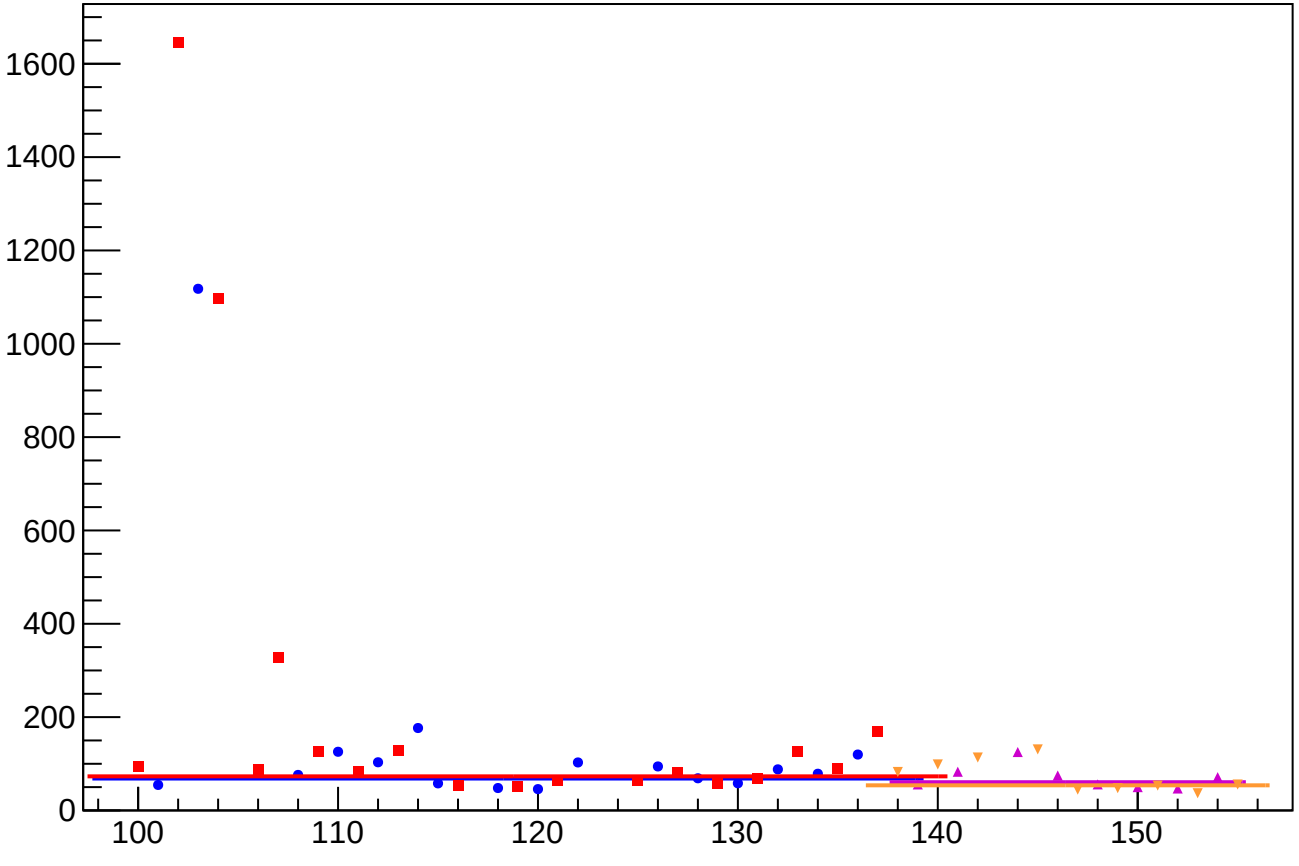
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.000+/-0.019 χ^2/NDF:24.7/23

Out: 0.003+/-0.019 χ^2/NDF:28.0/26

All: 0.002+/-0.014 χ^2/NDF: 52.7/50

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 53.864+/-0.017 χ^2/NDF:1517666.3/8

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 60.496+/-0.018 χ^2/NDF:864587.9/7

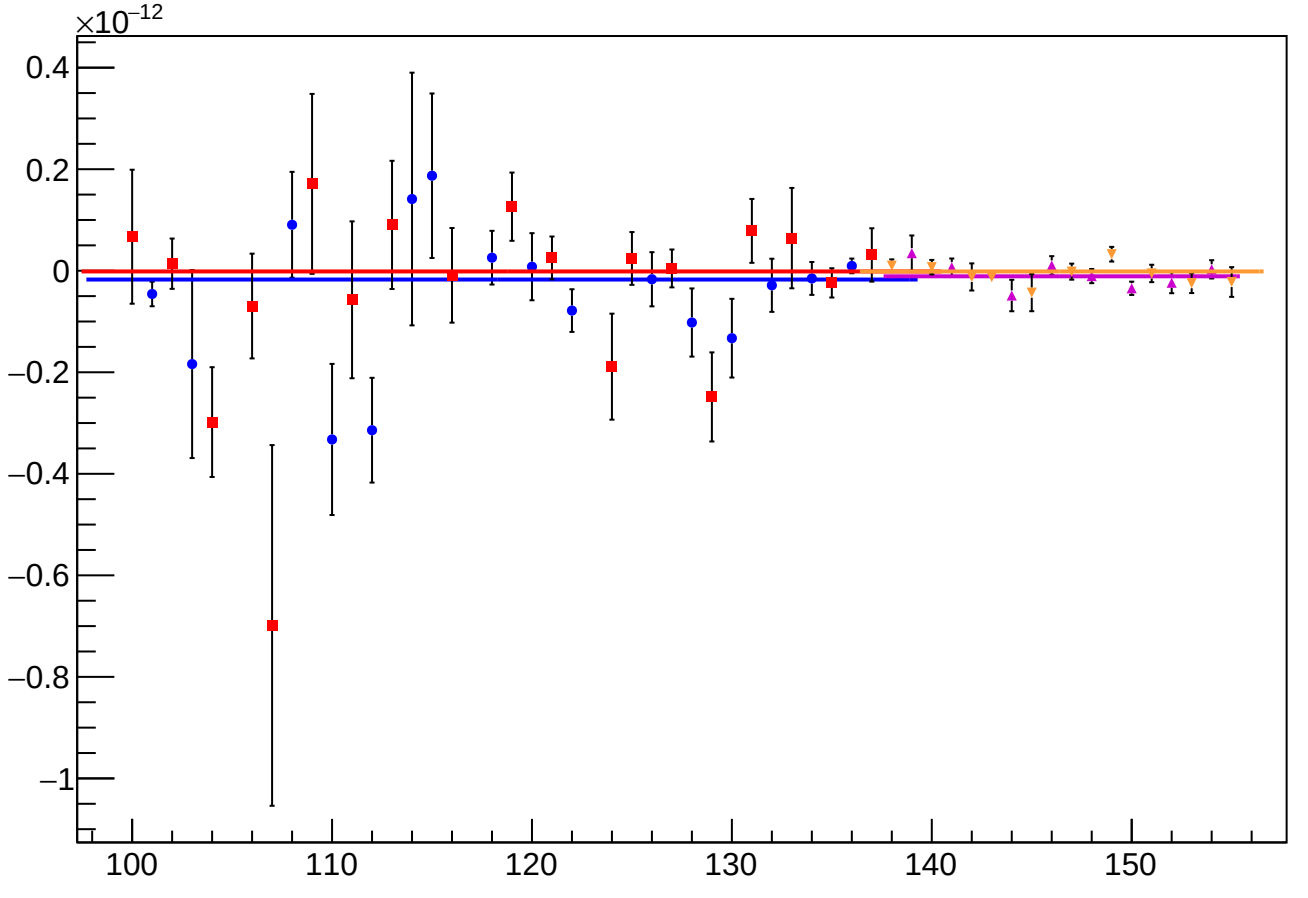
Left: 56.949+/-0.012 χ^2/NDF: 2454715.3/16

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 63.800+/-0.014 χ^2/NDF:3223532.0/23

Out: 60.299+/-0.014 χ^2/NDF:4868619.1/26

All: 62.042+/-0.010 χ^2/NDF: 8124662.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/9

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/7

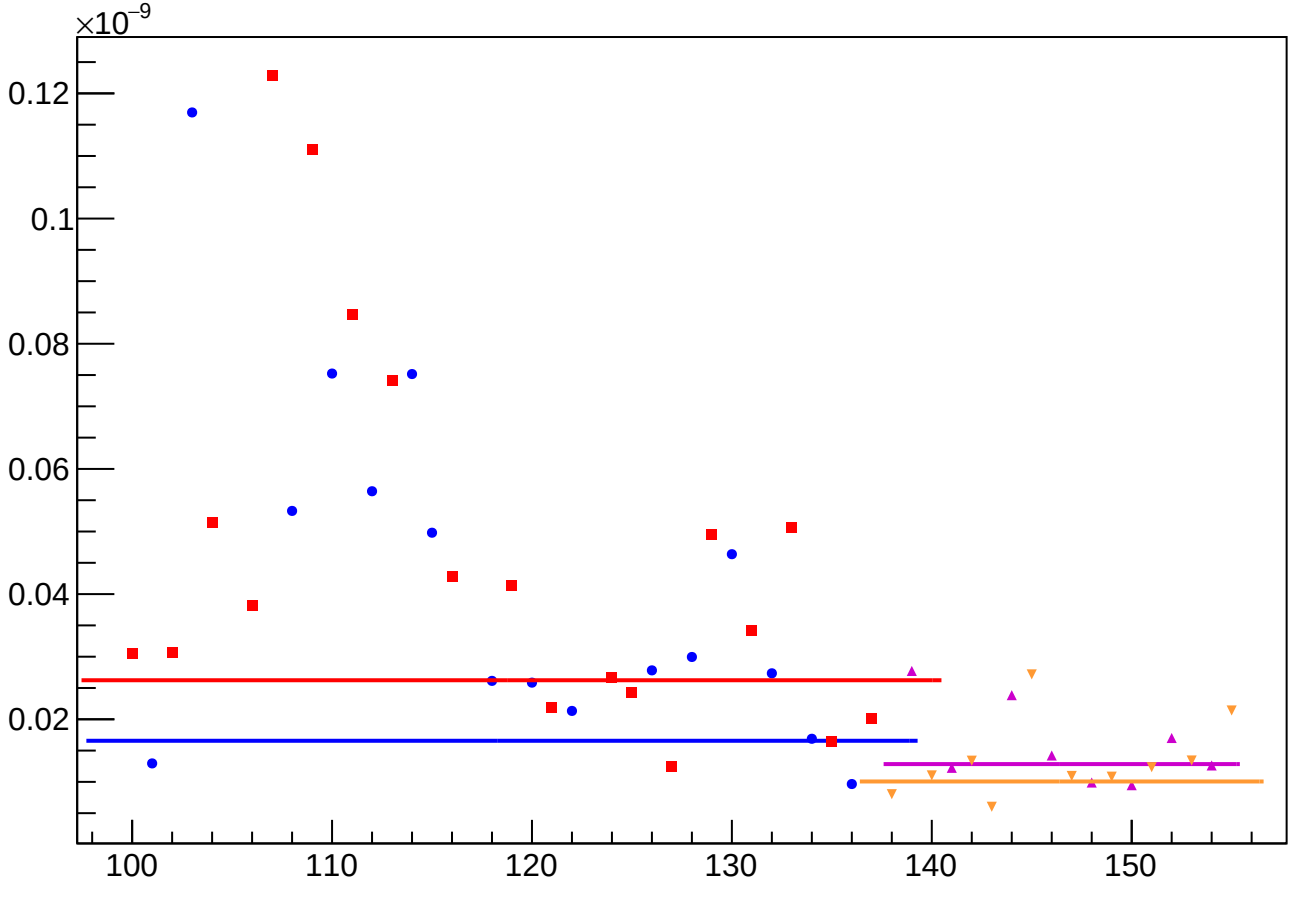
Left: -0.000+/-0.000 χ^2/NDF: 22.8/17

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:38.4/23

Out: -0.000+/-0.000 χ^2/NDF:43.8/28

All: -0.000+/-0.000 χ^2/NDF: 84.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1311200.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:935278.9/7

Left: 0.000+/-0.000 χ^2/NDF: 2484051.0/17

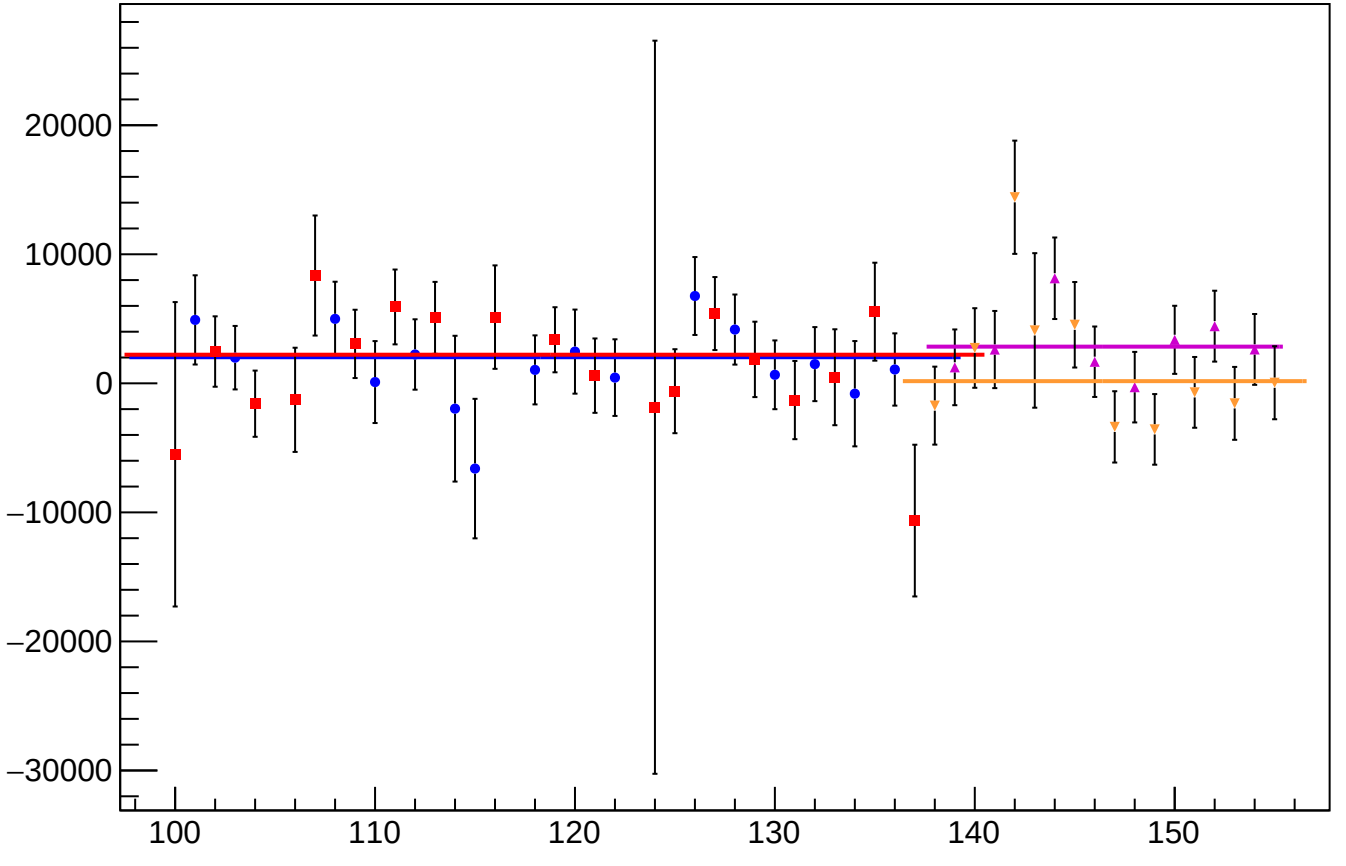
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:3956473.5/23

Out: 0.000+/-0.000 χ^2/NDF:5954700.1/28

All: 0.000+/-0.000 χ^2/NDF: 10088220.4/52

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 168.878+/-983.661 χ^2/NDF:17.8/9

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2842.732+/-997.424 χ^2/NDF:5.0/7

Left: 1487.231+/-700.368 χ^2/NDF: 26.4/17

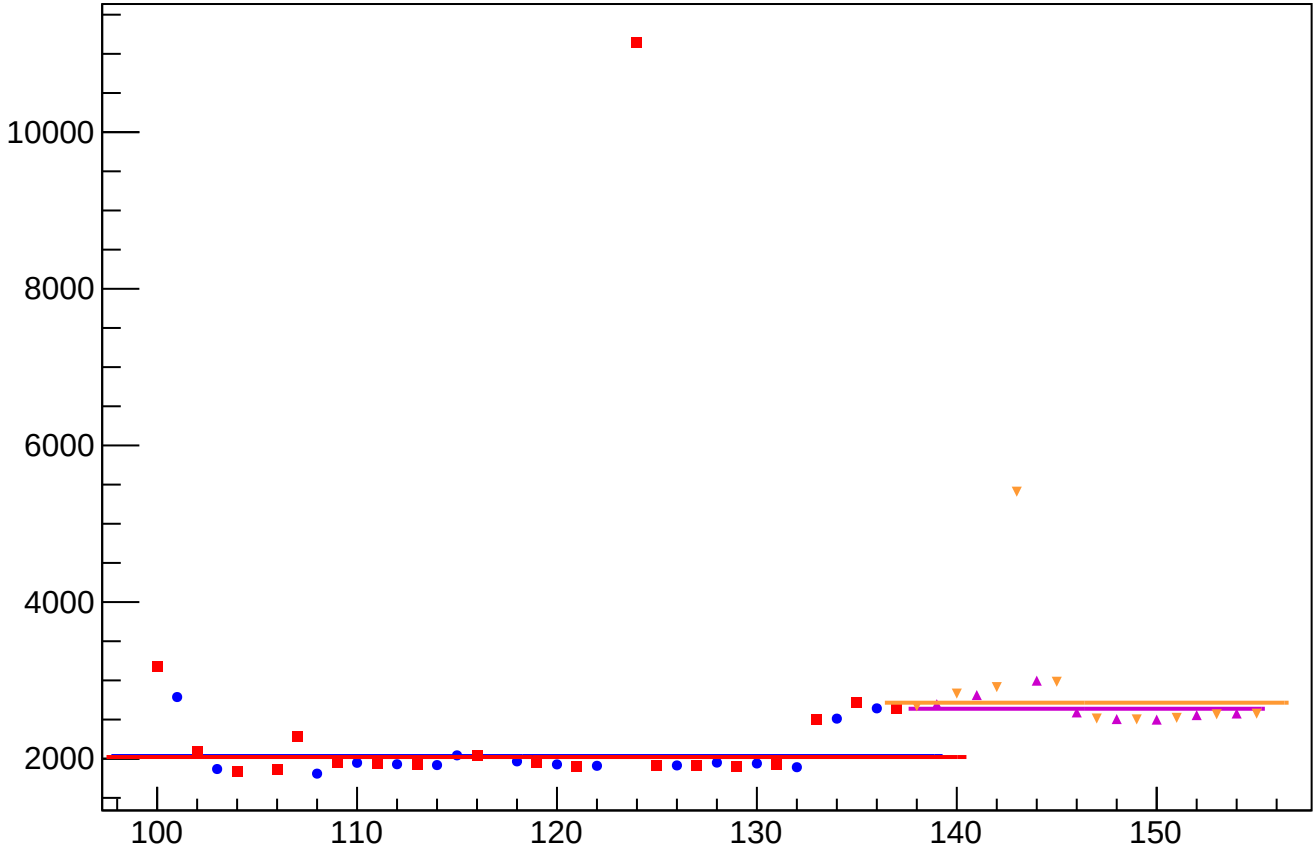
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2326.093+/-606.697 χ^2/NDF:15.0/23

Out: 1456.442+/-599.488 χ^2/NDF:38.7/28

All: 1886.070+/-426.428 χ^2/NDF: 54.7/52

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2715.211+/-0.696 χ^2/NDF:468670.6/9

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2637.892+/-0.705 χ^2/NDF:46889.9/7

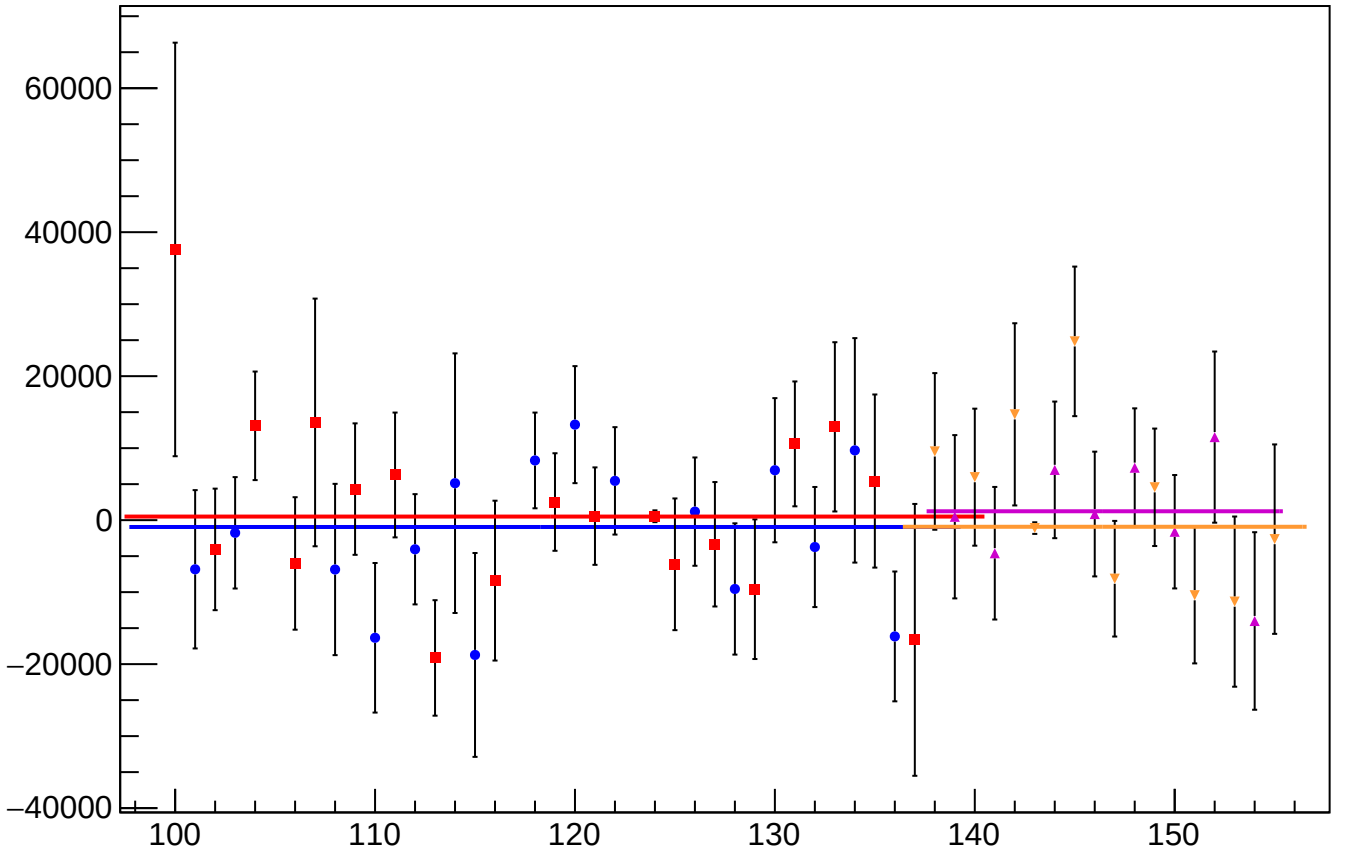
Left: 2677.089+/-0.495 χ^2/NDF: 521653.0/17

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2257.531+/-0.429 χ^2/NDF:771500.1/23

Out: 2279.189+/-0.424 χ^2/NDF:1484160.6/28

All: 2268.490+/-0.302 χ^2/NDF: 2256950.3/52



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -920.343+/-784.571 χ^2/NDF:12.2/9

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 1233.617+/-3361.800 χ^2/NDF:3.7/7

Left: -809.086+/-764.040 χ^2/NDF: 16.3/17

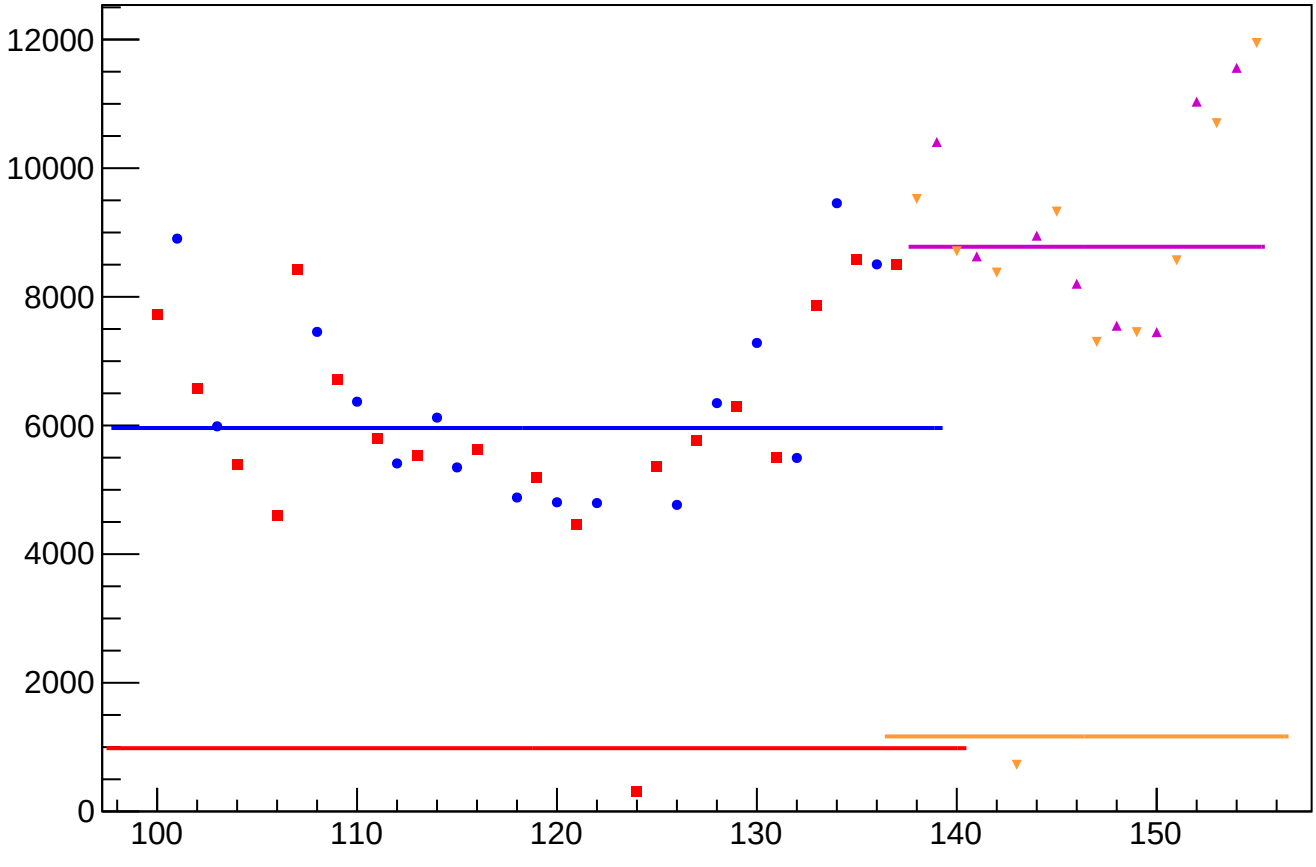
Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -263.008+/-1886.131 χ^2/NDF:19.3/23

Out: -196.633+/-548.927 χ^2/NDF:32.4/28

All: -201.816+/-527.060 χ^2/NDF: 51.7/52

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1166.082+/-0.555 χ^2/NDF:11134578.9/9

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 8778.563+/-2.377 χ^2/NDF:326090.0/7

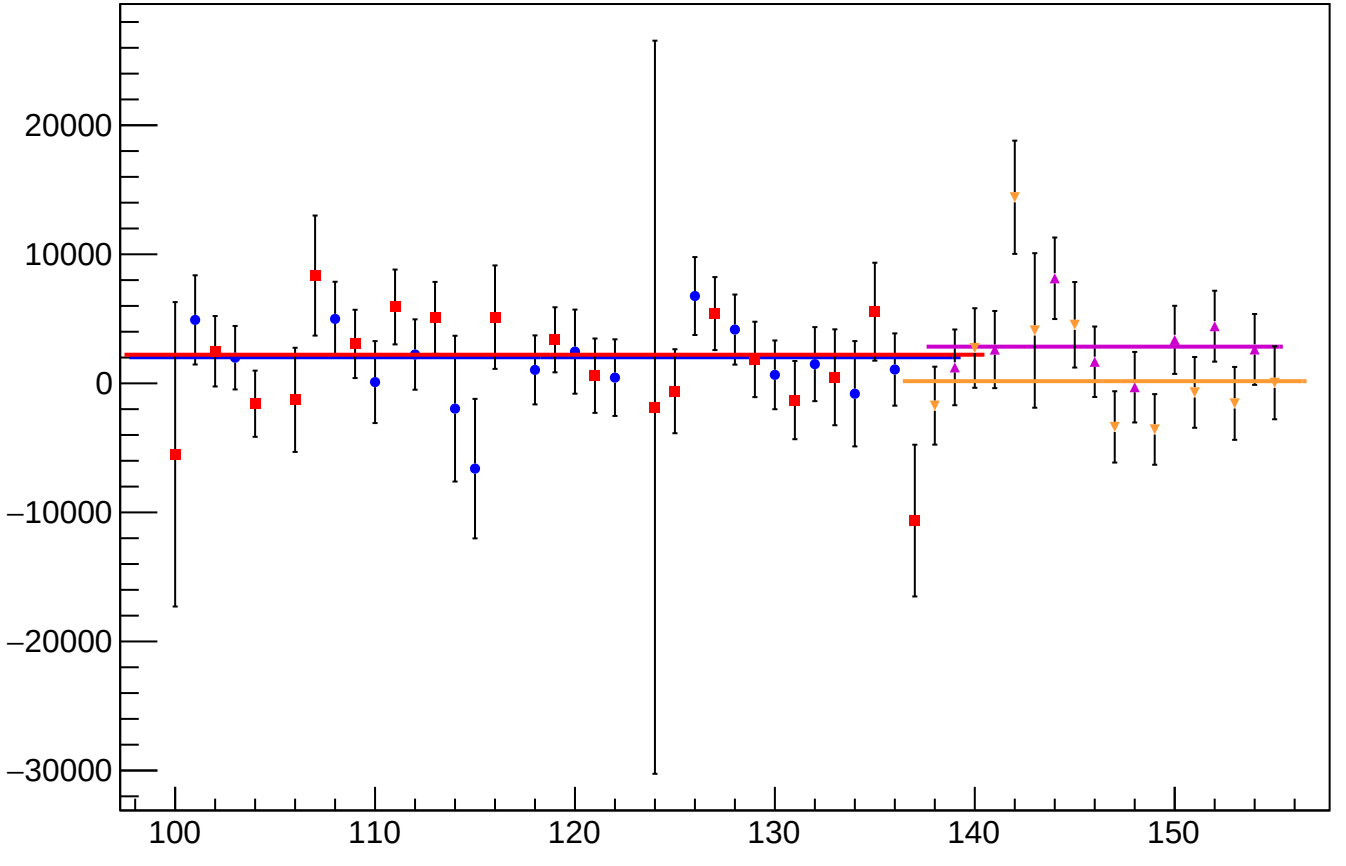
Left: 1559.283+/-0.540 χ^2/NDF: 21186043.6/17

Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 6847.762+/-1.334 χ^2/NDF:1978139.8/23

Out: 1072.783+/-0.388 χ^2/NDF:22606672.6/28

All: 1523.731+/-0.373 χ^2/NDF: 41870130.0/5



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 168.964+/-983.661 χ^2/NDF:17.8/9

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2842.951+/-997.424 χ^2/NDF:5.0/7

Left: 1487.382+/-700.368 χ^2/NDF: 26.4/17

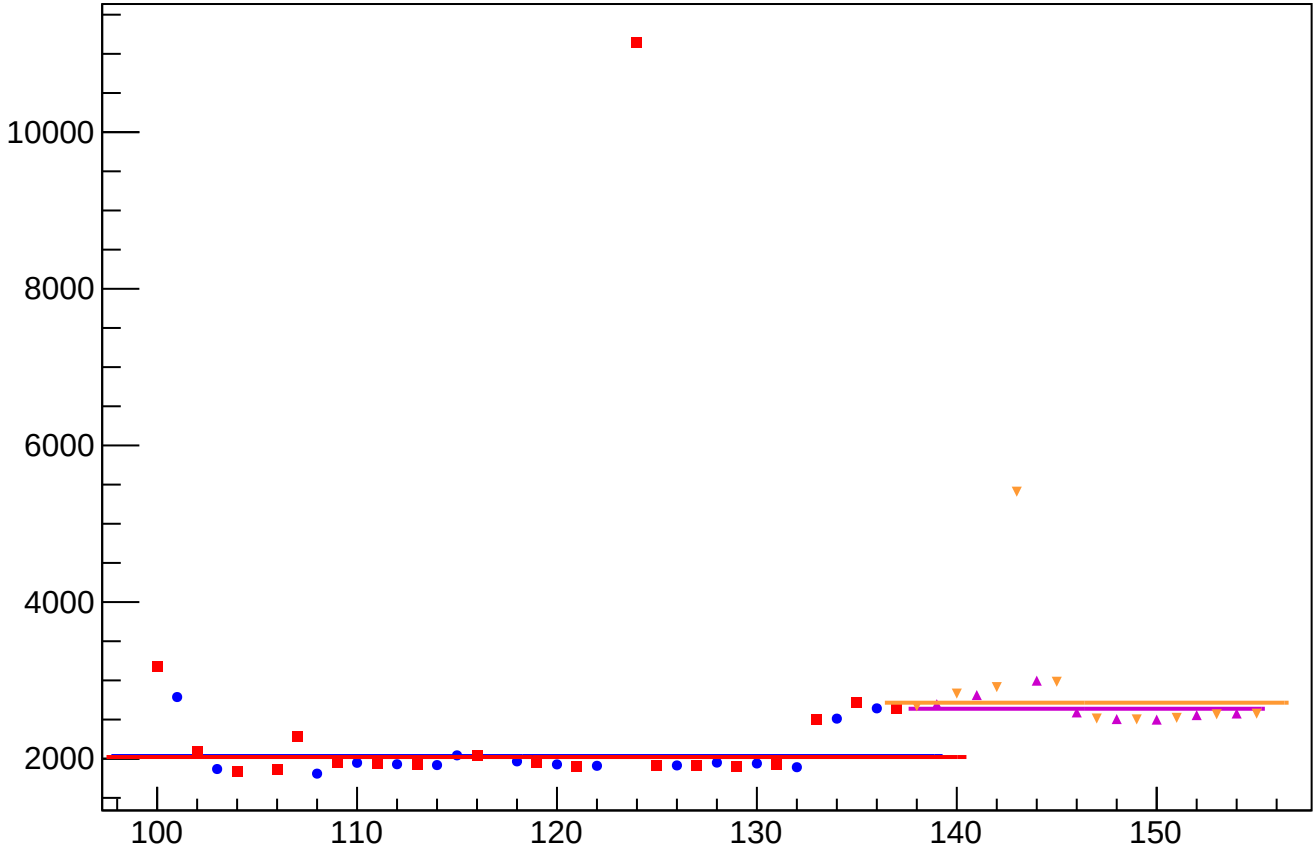
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2326.254+/-606.697 χ^2/NDF:15.0/23

Out: 1457.620+/-599.492 χ^2/NDF:38.7/28

All: 1886.748+/-426.429 χ^2/NDF: 54.7/52

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2715.211+/-0.696 χ^2/NDF:468670.6/9

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2637.893+/-0.705 χ^2/NDF:46889.9/7

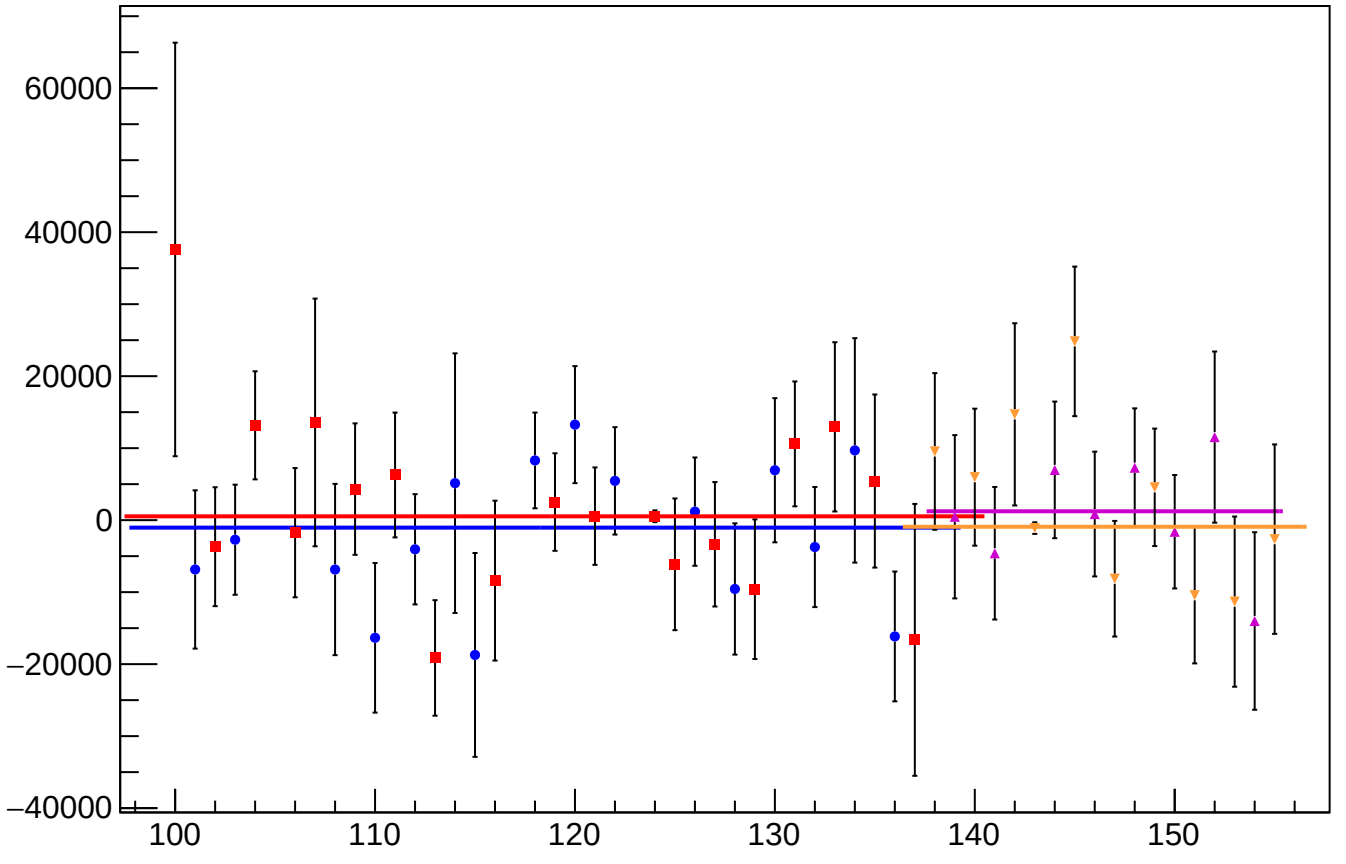
Left: 2677.089+/-0.495 χ^2/NDF: 521653.0/17

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2257.531+/-0.429 χ^2/NDF:771500.2/23

Out: 2279.206+/-0.424 χ^2/NDF:1484128.9/28

All: 2268.498+/-0.302 χ^2/NDF: 2256920.6/52



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -920.127+/-784.499 χ^2/NDF:12.2/9

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 1233.781+/-3361.796 χ^2/NDF:3.7/7

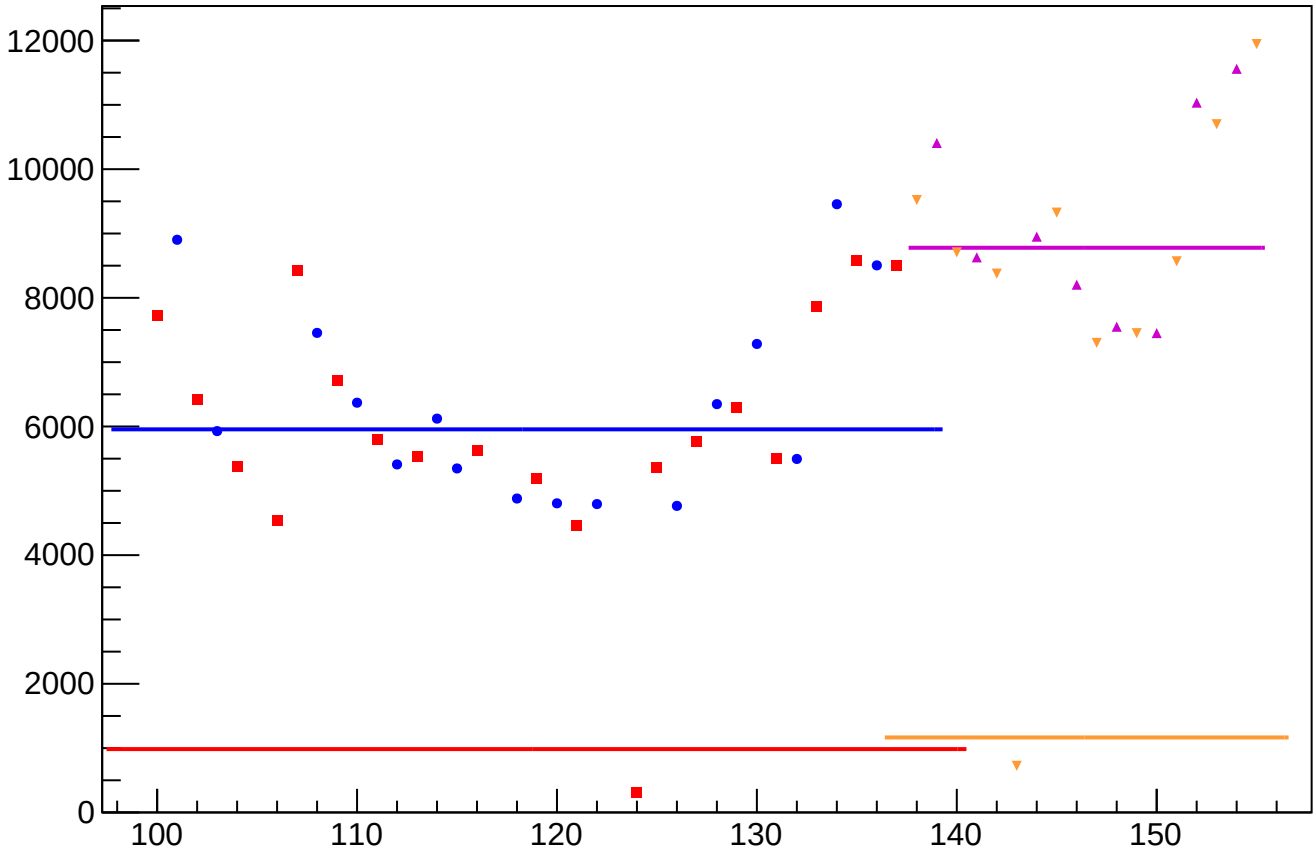
Left: -808.892+/-763.973 χ^2/NDF: 16.3/17

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -323.871+/-1884.796 χ^2/NDF:19.4/23

Out: -179.266+/-548.779 χ^2/NDF:32.0/28

All: -190.567+/-526.899 χ^2/NDF: 51.4/52



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1165.937+/-0.555 χ^2/NDF:11134879.5/9

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8778.552+/-2.377 χ^2/NDF:326091.3/7

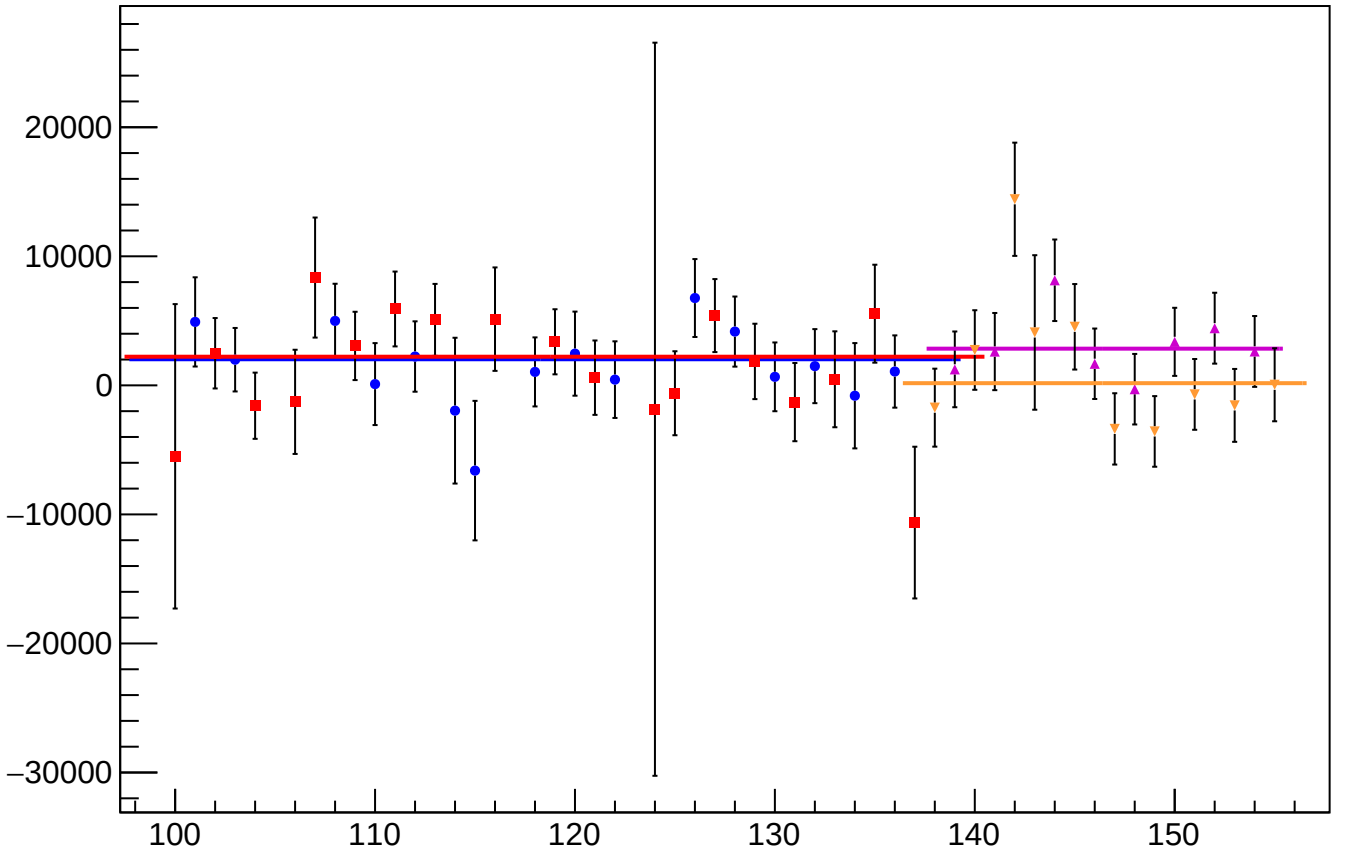
Left: 1559.077+/-0.540 χ^2/NDF: 21186803.6/17

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6842.965+/-1.333 χ^2/NDF:1982168.5/23

Out: 1073.562+/-0.388 χ^2/NDF:22602024.9/28

All: 1524.439+/-0.373 χ^2/NDF: 41859414.0/5



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 168.964+/-983.661 χ^2/NDF:17.8/9

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2842.951+/-997.424 χ^2/NDF:5.0/7

Left: 1487.382+/-700.368 χ^2/NDF: 26.4/17

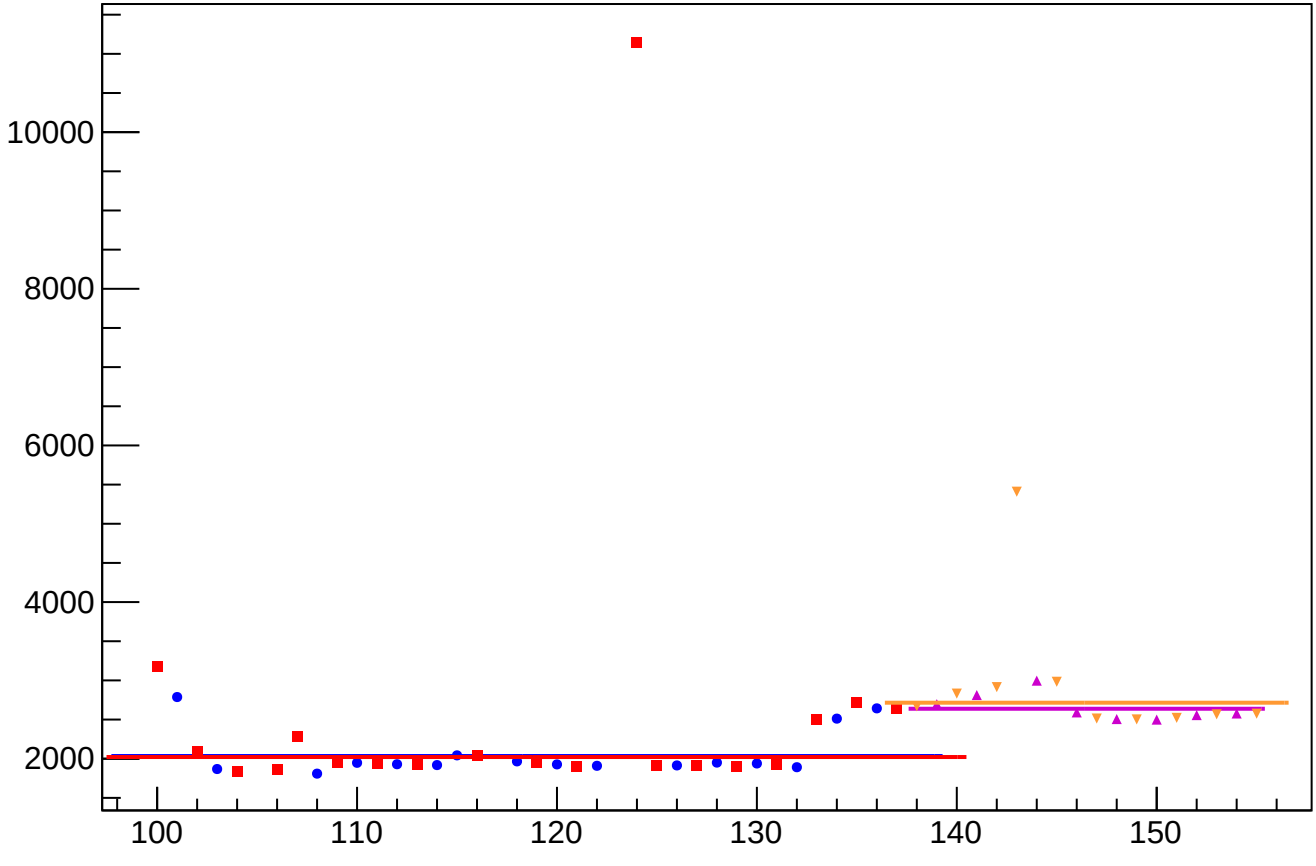
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2326.254+/-606.697 χ^2/NDF:15.0/23

Out: 1457.620+/-599.492 χ^2/NDF:38.7/28

All: 1886.748+/-426.429 χ^2/NDF: 54.7/52

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2715.211+/-0.696 χ^2/NDF:468670.6/9

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2637.893+/-0.705 χ^2/NDF:46889.9/7

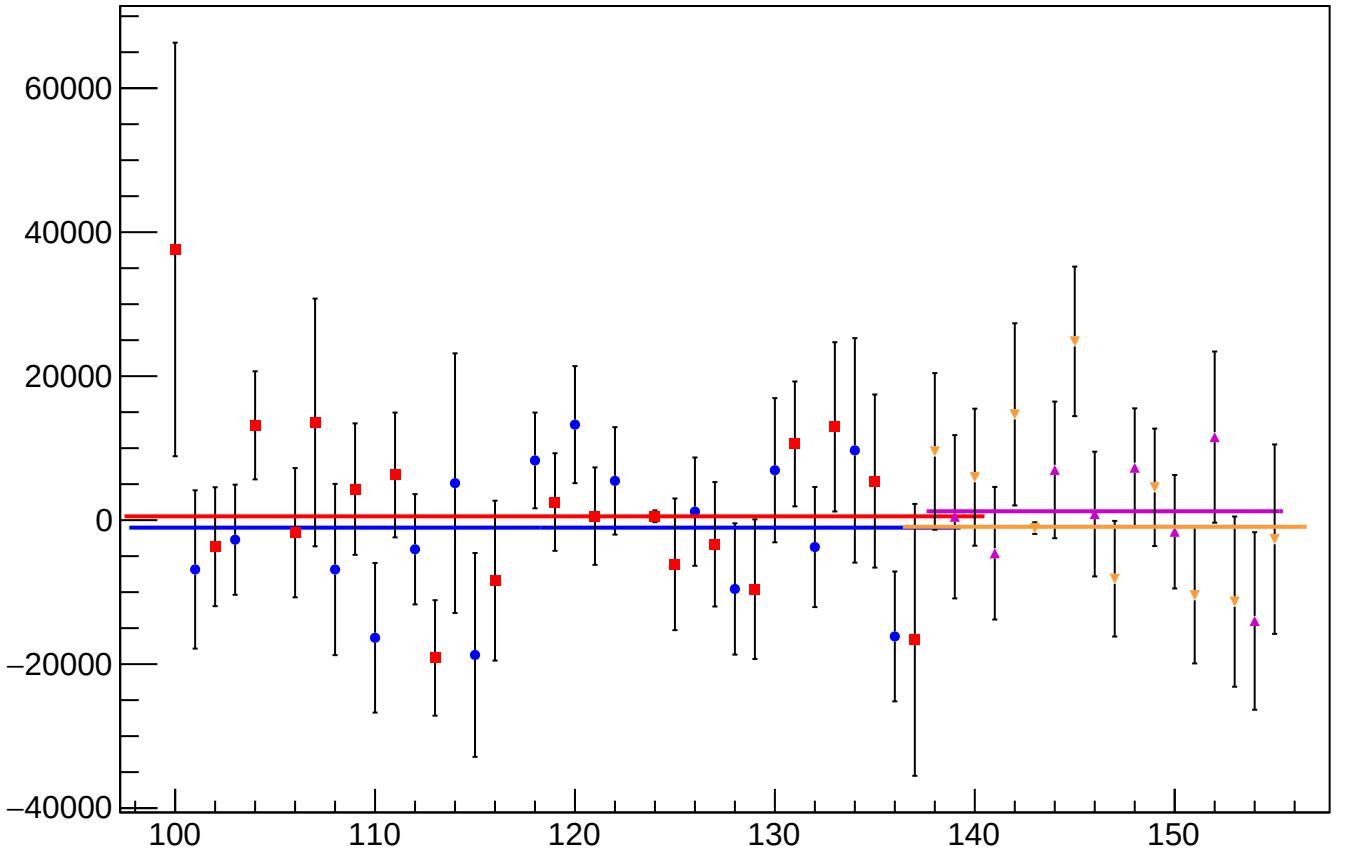
Left: 2677.089+/-0.495 χ^2/NDF: 521653.0/17

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2257.531+/-0.429 χ^2/NDF:771500.2/23

Out: 2279.206+/-0.424 χ^2/NDF:1484128.9/28

All: 2268.498+/-0.302 χ^2/NDF: 2256920.6/52



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -920.127+/-784.499 χ^2/NDF:12.2/9

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 1233.781+/-3361.796 χ^2/NDF:3.7/7

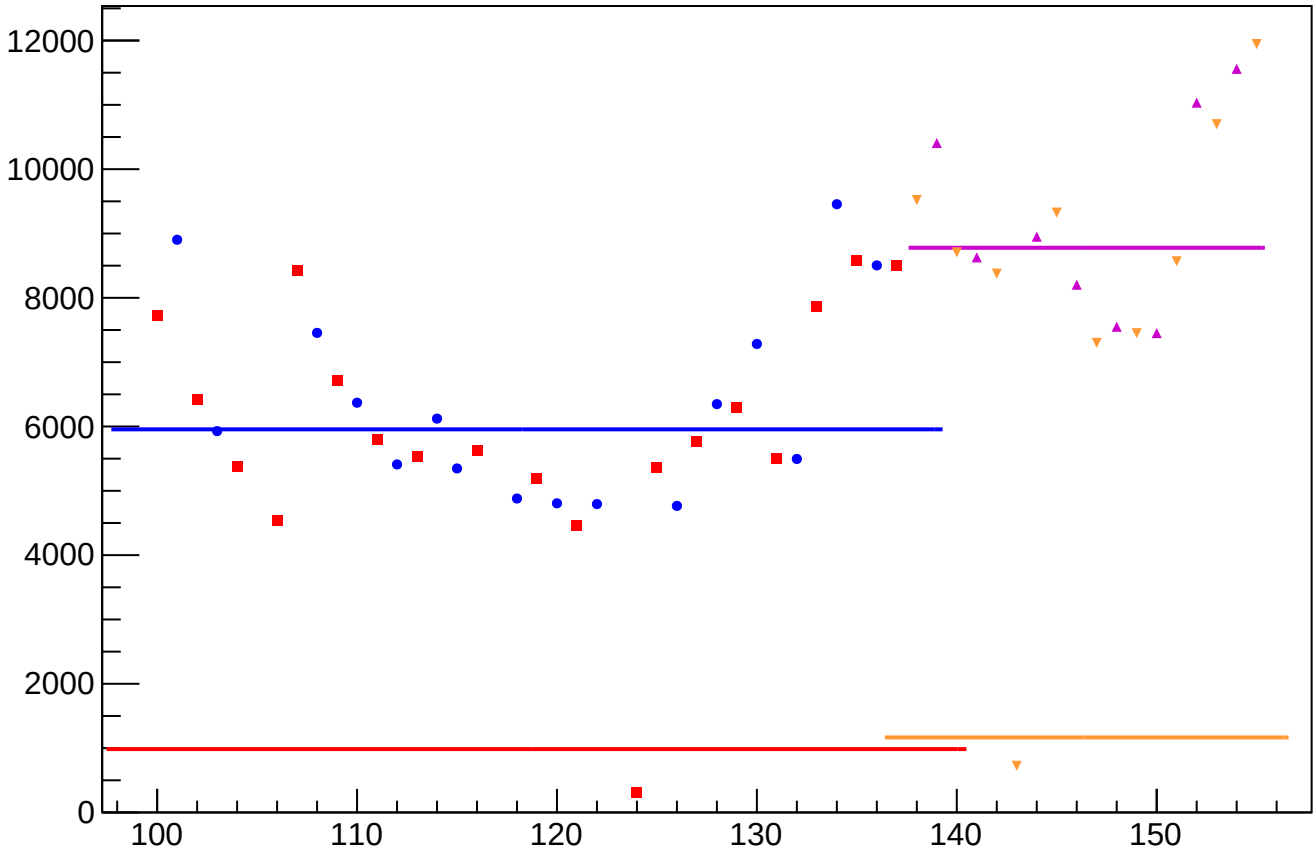
Left: -808.892+/-763.973 χ^2/NDF: 16.3/17

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: -323.871+/-1884.796 χ^2/NDF:19.4/23

Out: -179.266+/-548.779 χ^2/NDF:32.0/28

All: -190.567+/-526.899 χ^2/NDF: 51.4/52



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1165.937+/-0.555 χ^2/NDF:11134879.5/9

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8778.552+/-2.377 χ^2/NDF:326091.3/7

Left: 1559.077+/-0.540 χ^2/NDF: 21186803.6/17

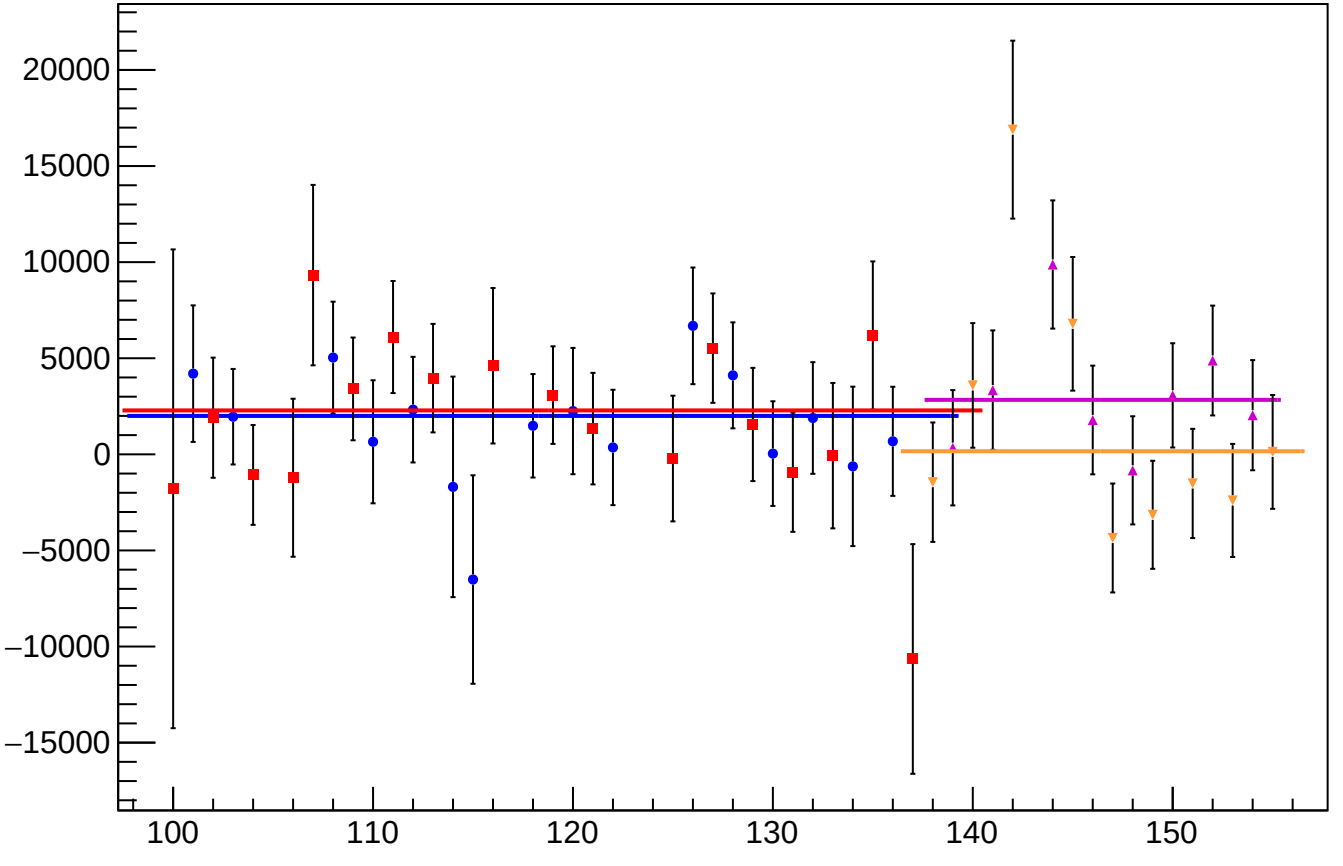
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6842.965+/-1.333 χ^2/NDF:1982168.5/23

Out: 1073.562+/-0.388 χ^2/NDF:22602024.9/28

All: 1524.439+/-0.373 χ^2/NDF: 41859414.0/5

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 160.809+/-1035.467 χ^2/NDF:23.1/8

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 2834.455+/-1033.517 χ^2/NDF:7.6/7

Left: 1500.152+/-731.495 χ^2/NDF: 34.1/16

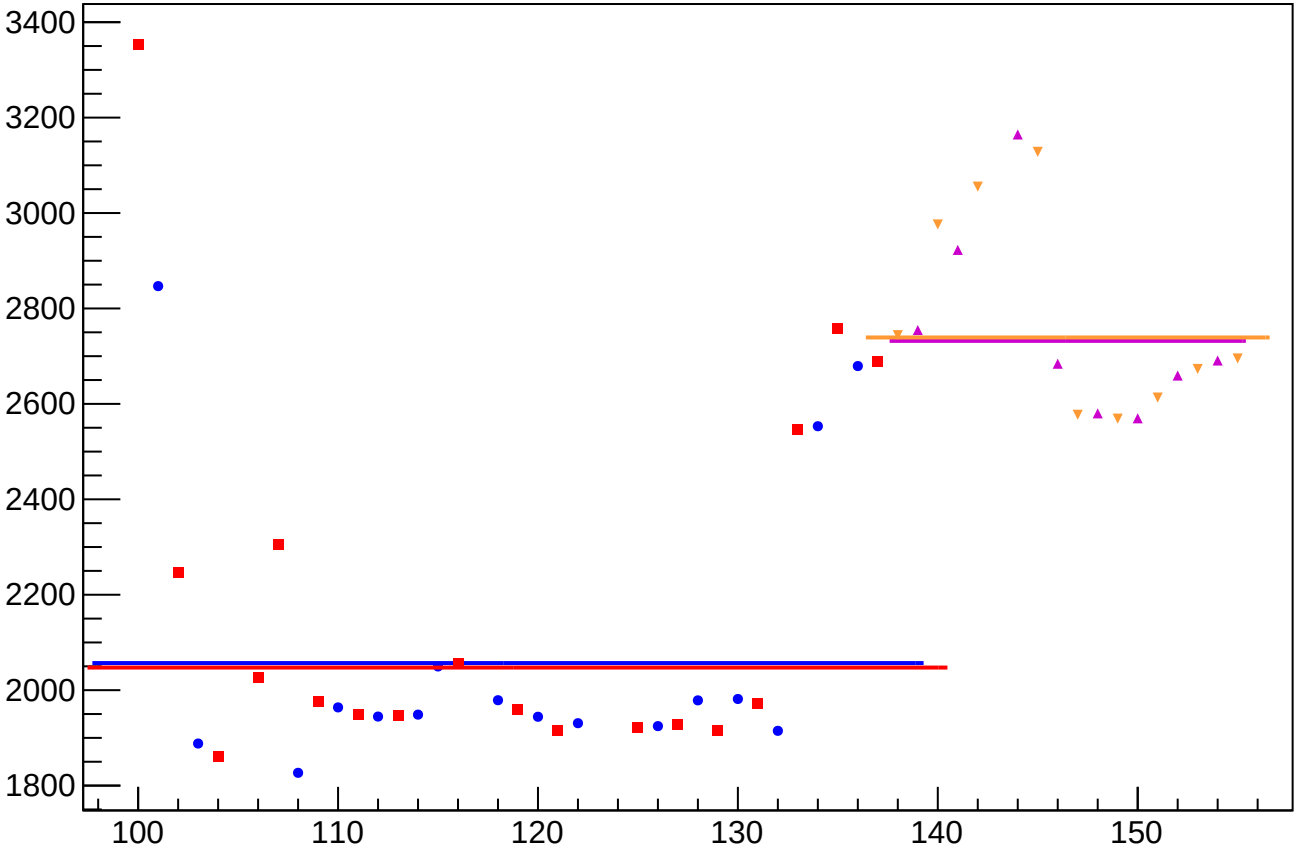
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2299.106+/-619.290 χ^2/NDF:17.0/23

Out: 1527.561+/-618.556 χ^2/NDF:42.5/26

All: 1912.876+/-437.644 χ^2/NDF: 60.3/50

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2739.201+/-0.732 χ^2/NDF:64290.7/8

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2732.084+/-0.731 χ^2/NDF:56553.5/7

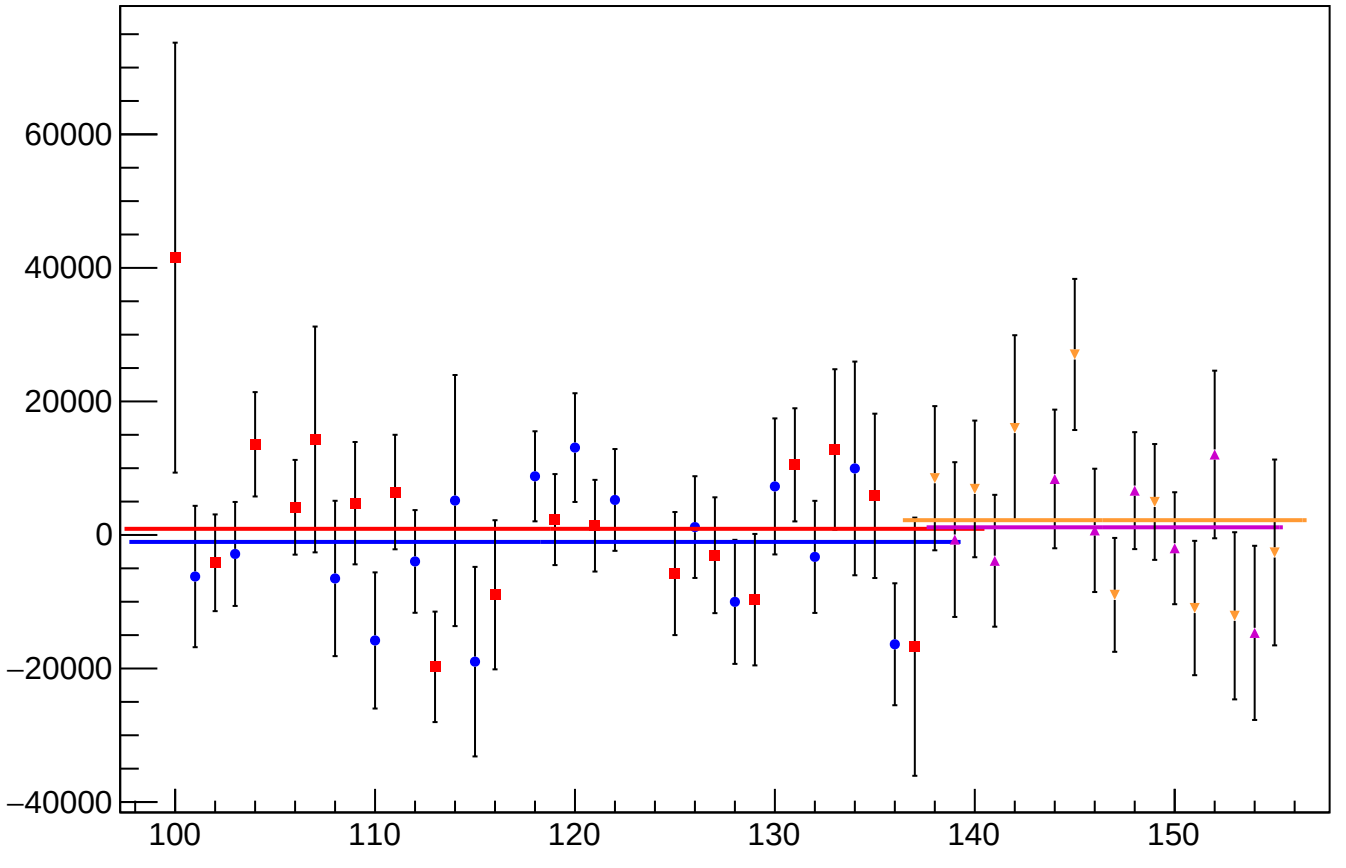
Left: 2735.636+/-0.517 χ^2/NDF: 120891.6/16

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2299.257+/-0.438 χ^2/NDF:874274.2/23

Out: 2293.790+/-0.437 χ^2/NDF:835591.6/26

All: 2296.517+/-0.309 χ^2/NDF: 1709943.9/50



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 2213.931+/-3545.216 χ^2/NDF:11.3/8

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 1147.637+/-3576.336 χ^2/NDF:3.5/7

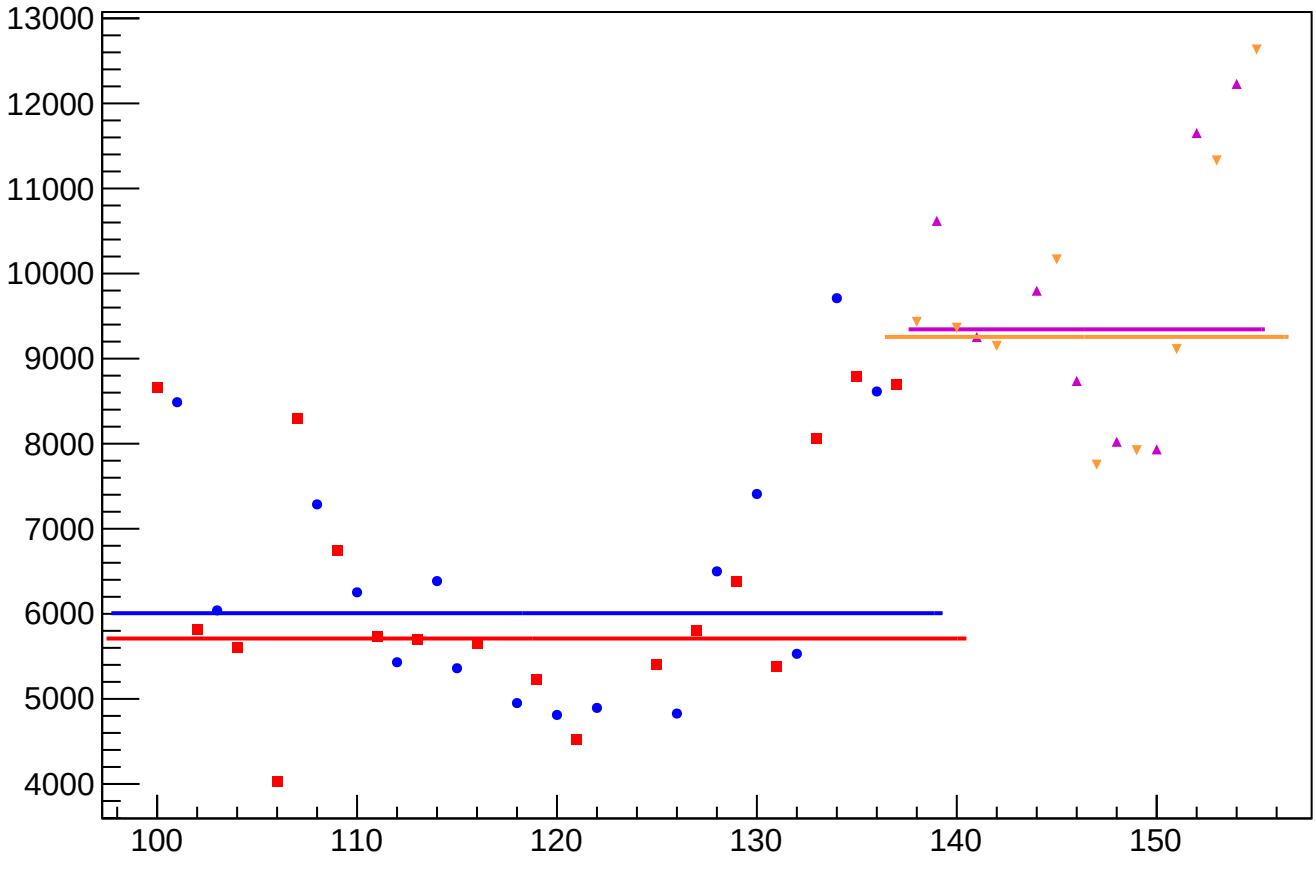
Left: 1685.443+/-2517.777 χ^2/NDF: 14.9/16

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -403.834+/-1931.270 χ^2/NDF:19.1/23

Out: 1267.890+/-1838.916 χ^2/NDF:29.8/26

All: 472.953+/-1331.763 χ^2/NDF: 49.3/50



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9255.270+/-2.507 χ^2/NDF:296256.6/8

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9344.114+/-2.529 χ^2/NDF:304412.8/7

Left: 9299.304+/-1.780 χ^2/NDF: 601292.0/16

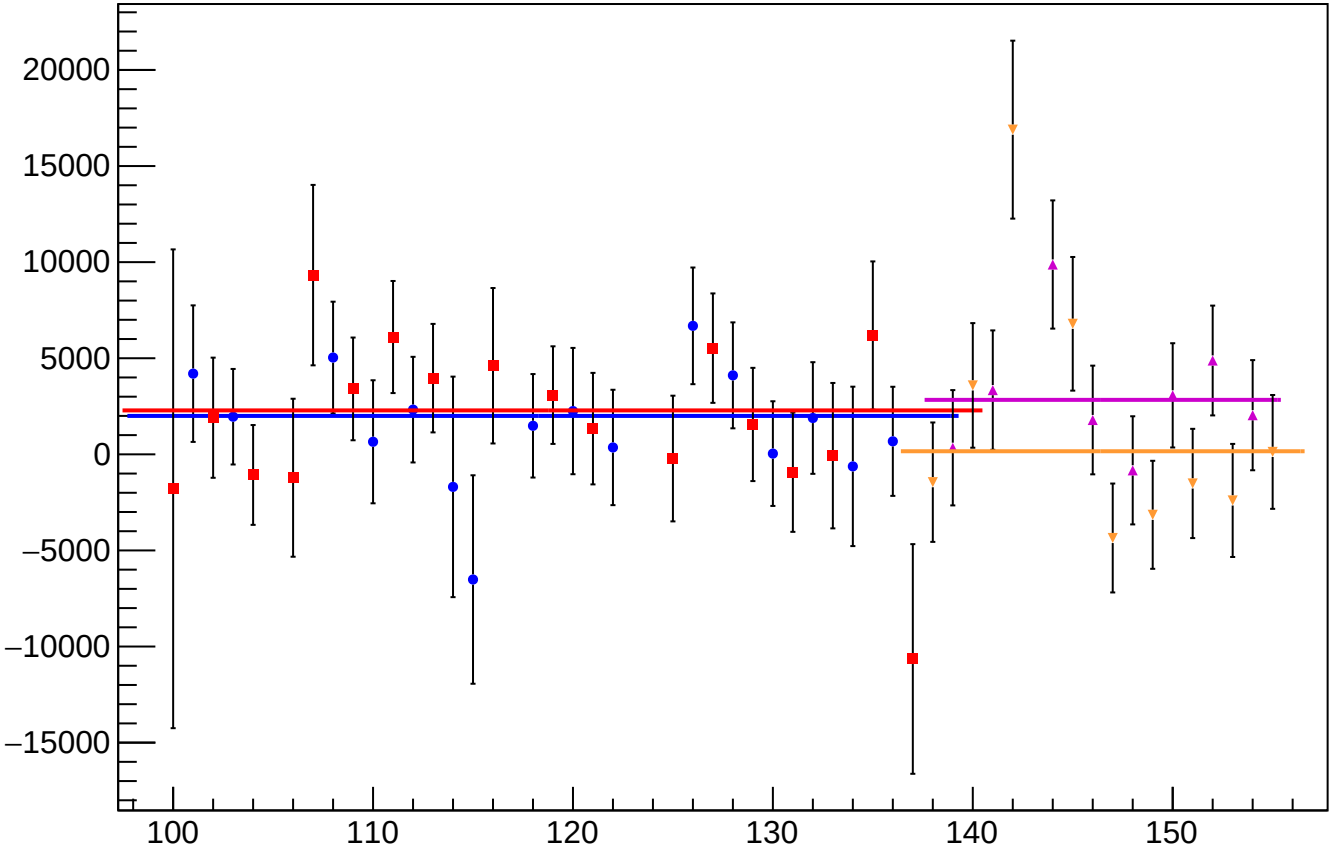
Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 6980.453+/-1.366 χ^2/NDF:2191669.2/23

Out: 6663.796+/-1.300 χ^2/NDF:2294201.1/26

All: 6814.372+/-0.942 χ^2/NDF: 4514070.4/50

eigen_dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 160.814+/-1035.467 χ^2/NDF:23.1/8

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 2834.455+/-1033.517 χ^2/NDF:7.6/7

Left: 1500.154+/-731.496 χ^2/NDF: 34.1/16

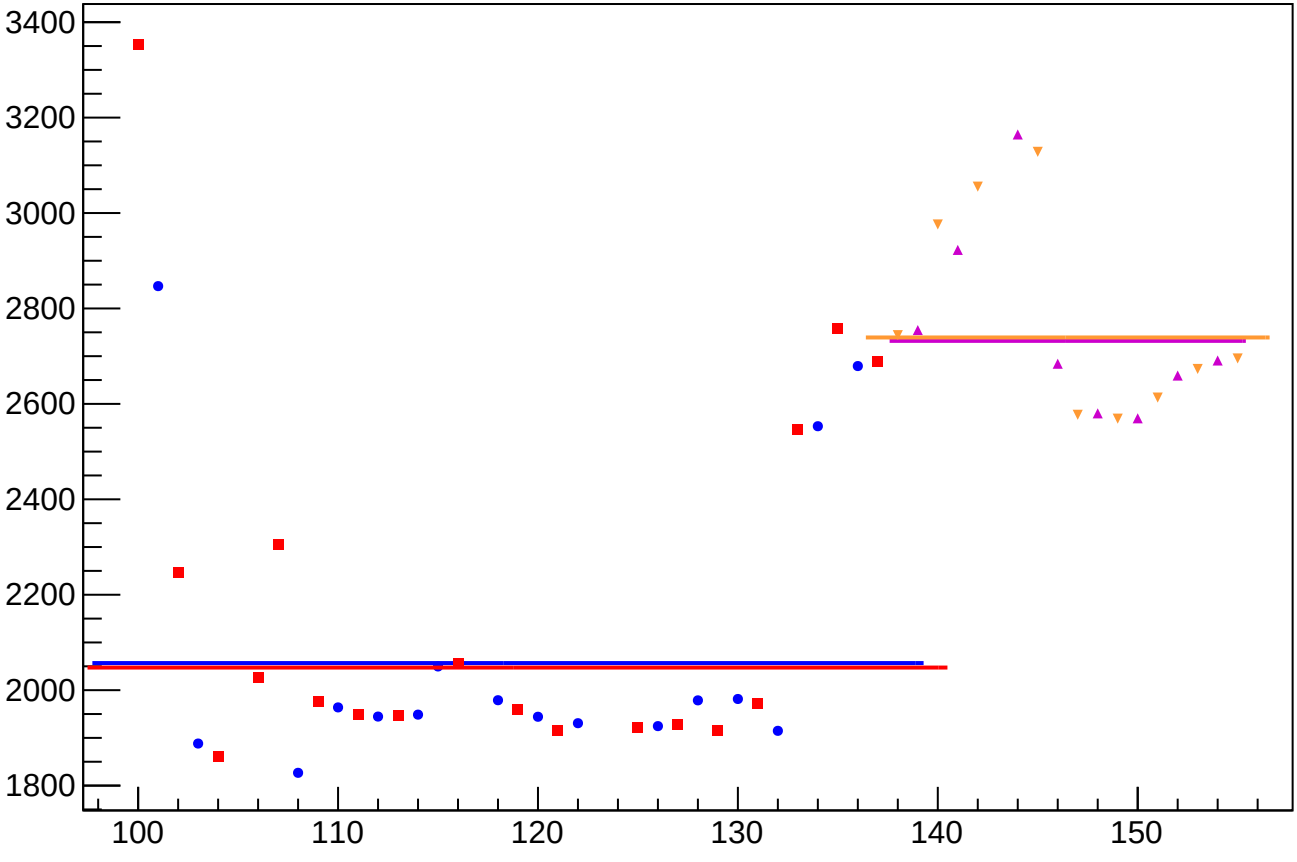
Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2299.109+/-619.290 χ^2/NDF:17.0/23

Out: 1527.566+/-618.556 χ^2/NDF:42.5/26

All: 1912.880+/-437.644 χ^2/NDF: 60.3/50

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2739.203+/-0.732 χ^2/NDF:64291.8/8

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2732.086+/-0.731 χ^2/NDF:56554.2/7

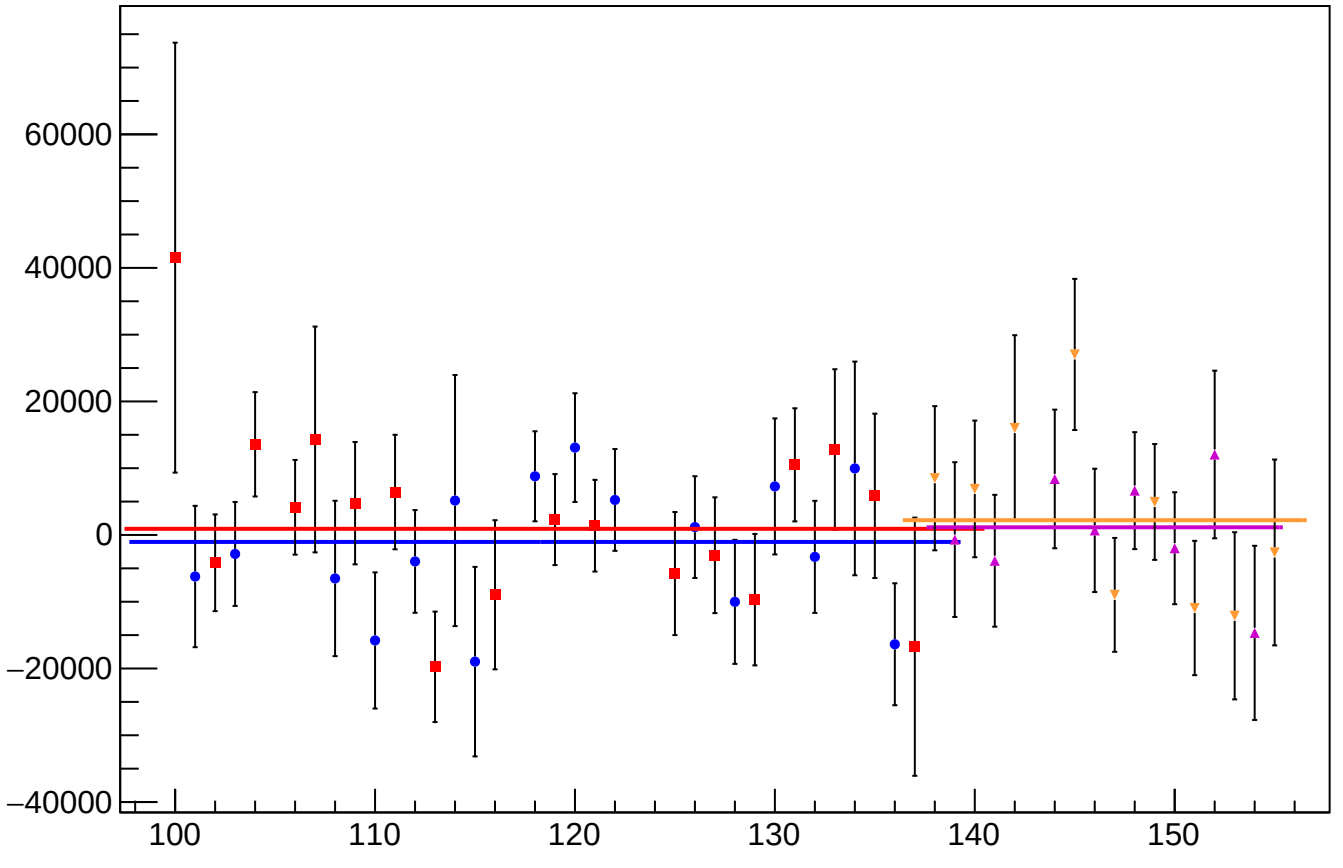
Left: 2735.638+/-0.517 χ^2/NDF: 120893.3/16

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2299.257+/-0.438 χ^2/NDF:874277.9/23

Out: 2293.790+/-0.437 χ^2/NDF:835596.5/26

All: 2296.518+/-0.309 χ^2/NDF: 1709952.5/50



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 2213.925+/-3545.221 χ^2/NDF:11.3/8

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 1147.639+/-3576.340 χ^2/NDF:3.5/7

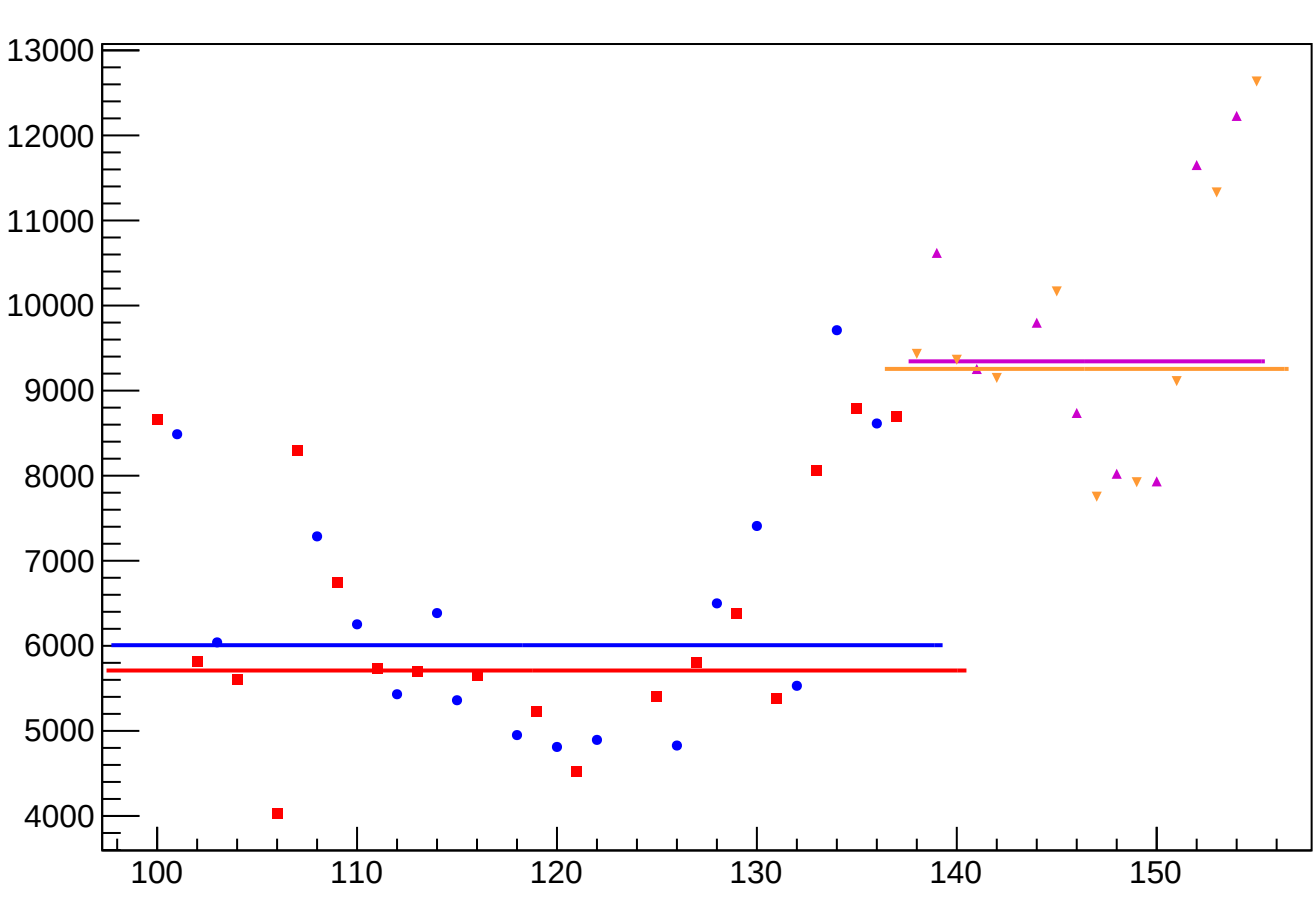
Left: 1685.441+/-2517.780 χ^2/NDF: 14.9/16

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -403.829+/-1931.267 χ^2/NDF:19.1/23

Out: 1267.889+/-1838.913 χ^2/NDF:29.8/26

All: 472.956+/-1331.761 χ^2/NDF: 49.3/50



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9255.282+/-2.507 χ^2/NDF:296259.3/8

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9344.125+/-2.529 χ^2/NDF:304415.7/7

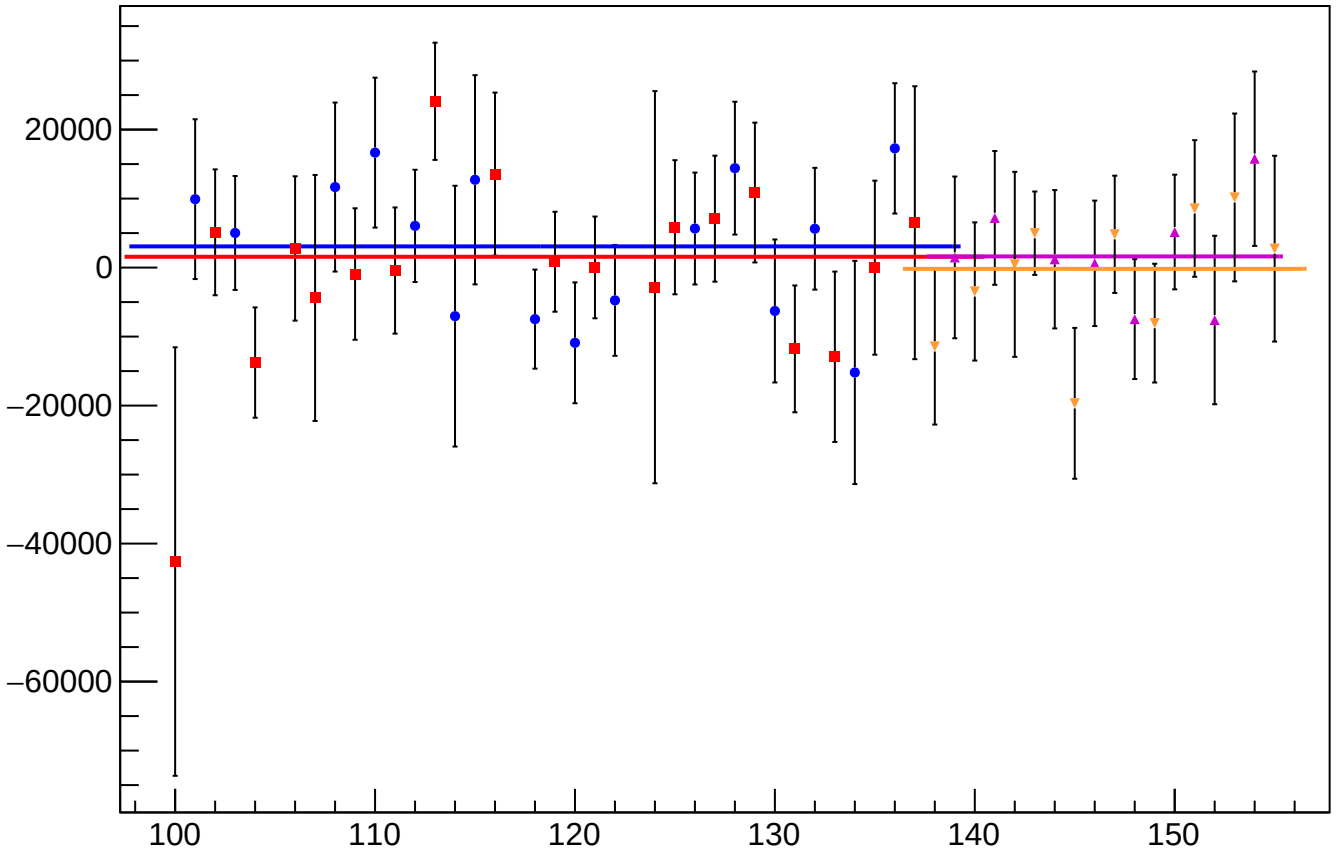
Left: 9299.315+/-1.780 χ^2/NDF: 601297.4/16

Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 6980.436+/-1.366 χ^2/NDF:2191702.6/23

Out: 6663.781+/-1.300 χ^2/NDF:2294230.4/26

All: 6814.356+/-0.942 χ^2/NDF: 4514133.0/50



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -182.386+/-3030.174 χ^2/NDF:7.7/9

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 1617.916+/-3520.826 χ^2/NDF:3.4/7

Left: 583.679+/-2296.703 χ^2/NDF: 11.3/17

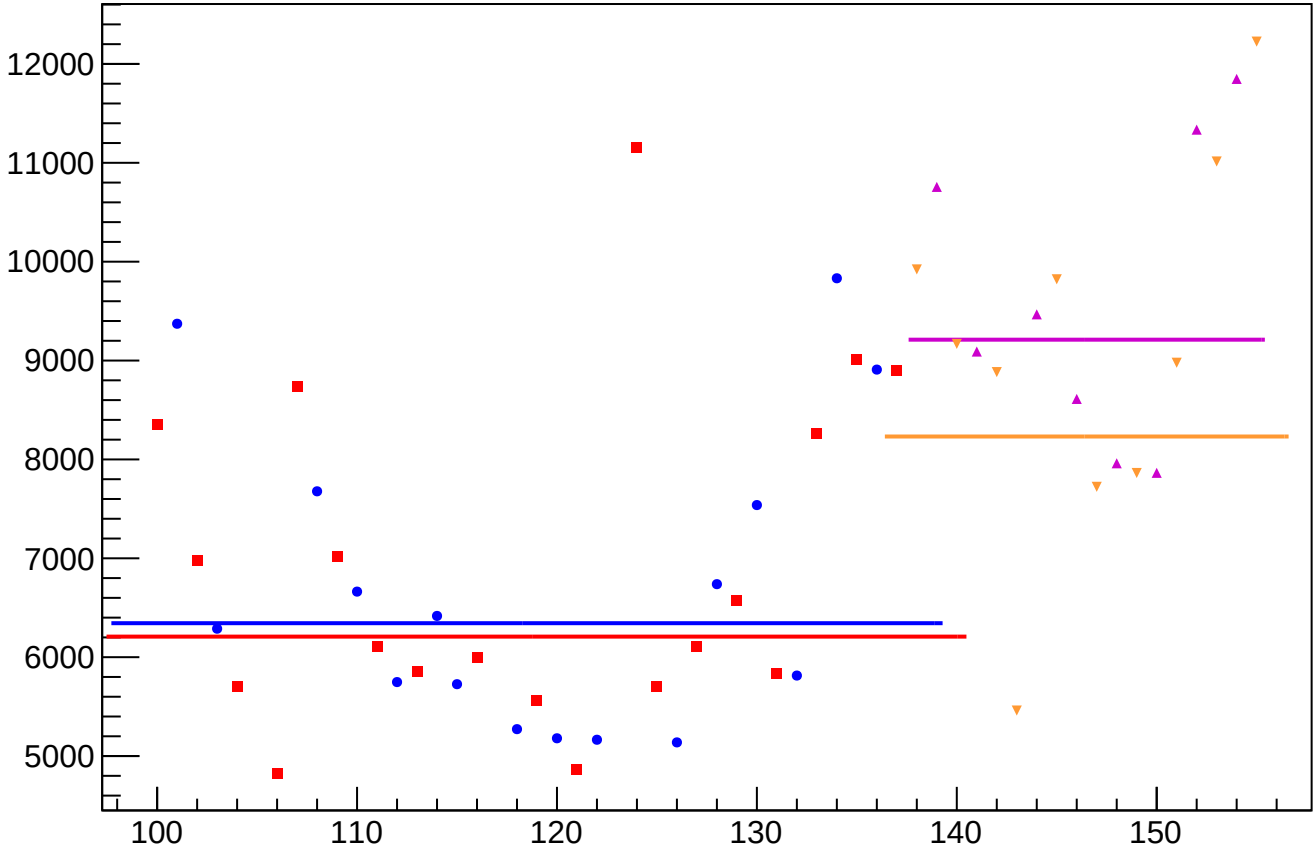
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2604.106+/-1994.735 χ^2/NDF:18.4/23

Out: 914.980+/-1850.007 χ^2/NDF:27.2/28

All: 1696.049+/-1356.435 χ^2/NDF: 46.0/52

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8231.853+/-2.143 χ^2/NDF:832455.5/9

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9211.133+/-2.490 χ^2/NDF:286649.2/7

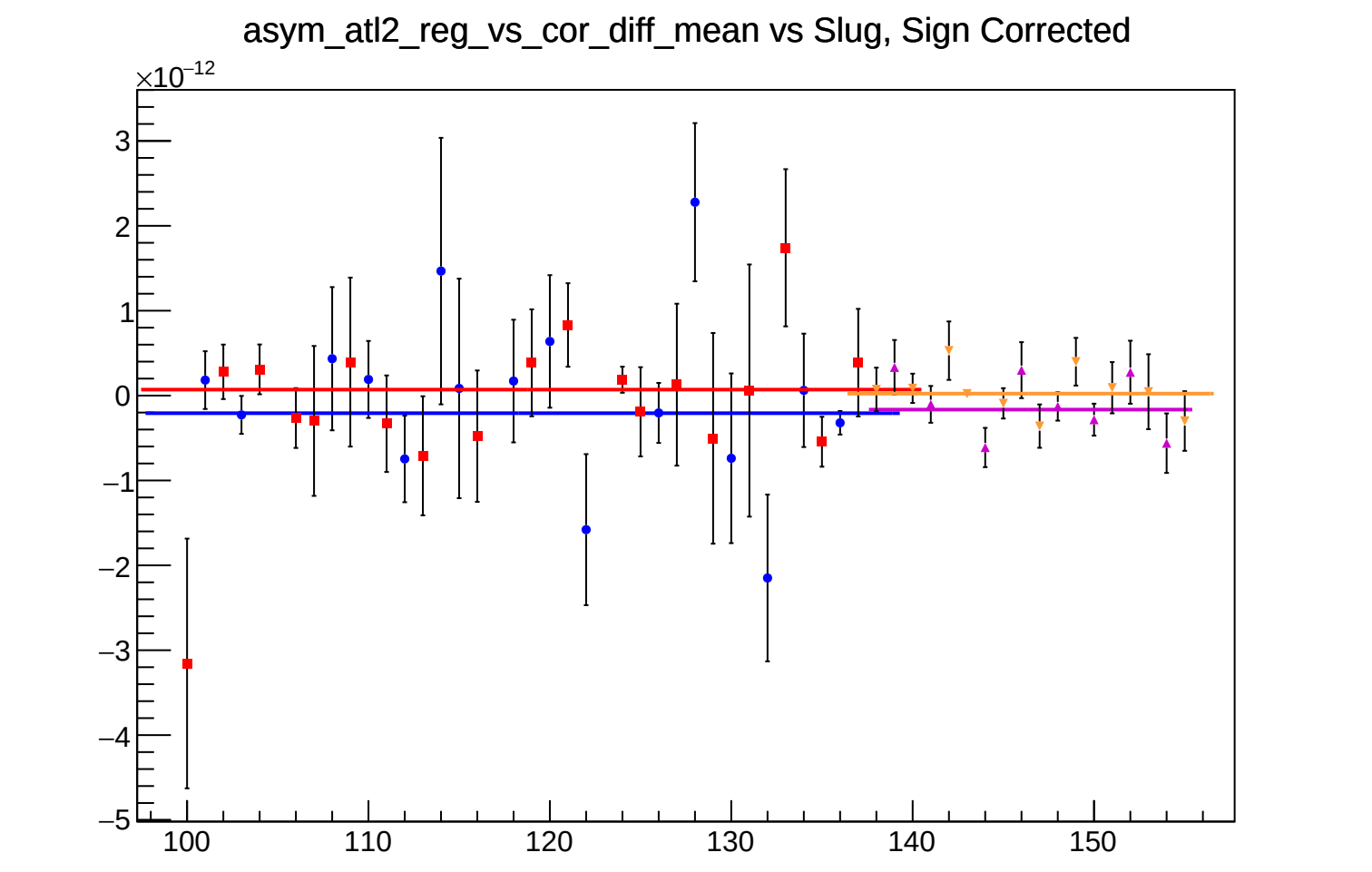
Left: 8648.557+/-1.624 χ^2/NDF: 1207989.8/17

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7264.159+/-1.410 χ^2/NDF:1808588.5/23

Out: 6962.440+/-1.308 χ^2/NDF:1863867.6/28

All: 7101.958+/-0.959 χ^2/NDF: 3697055.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:11.3/7

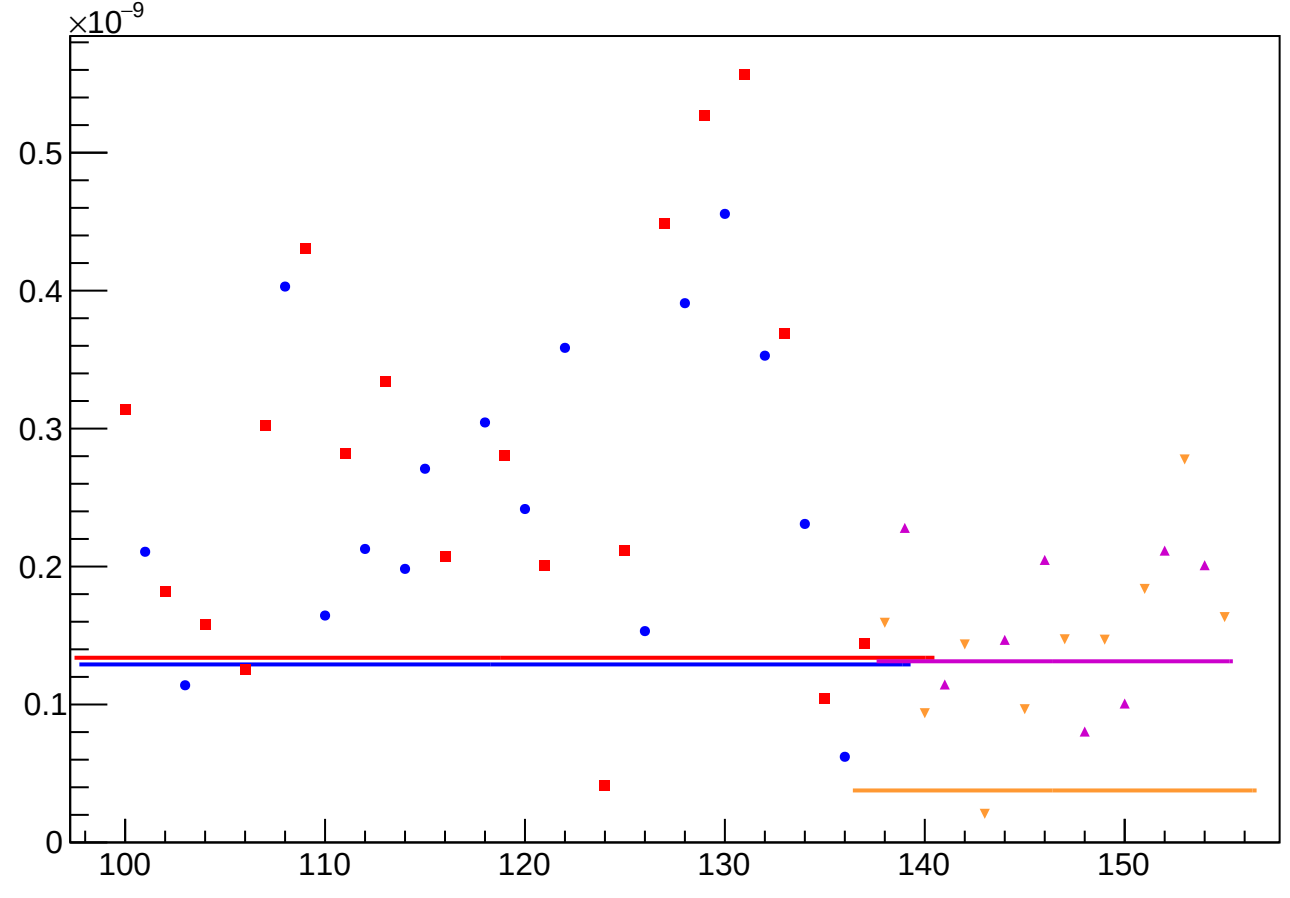
Left: -0.000+/-0.000 χ^2/NDF: 23.2/17

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:32.3/23

Out: 0.000+/-0.000 χ^2/NDF:28.8/28

All: -0.000+/-0.000 χ^2/NDF: 70.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3505330.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:711625.0/7

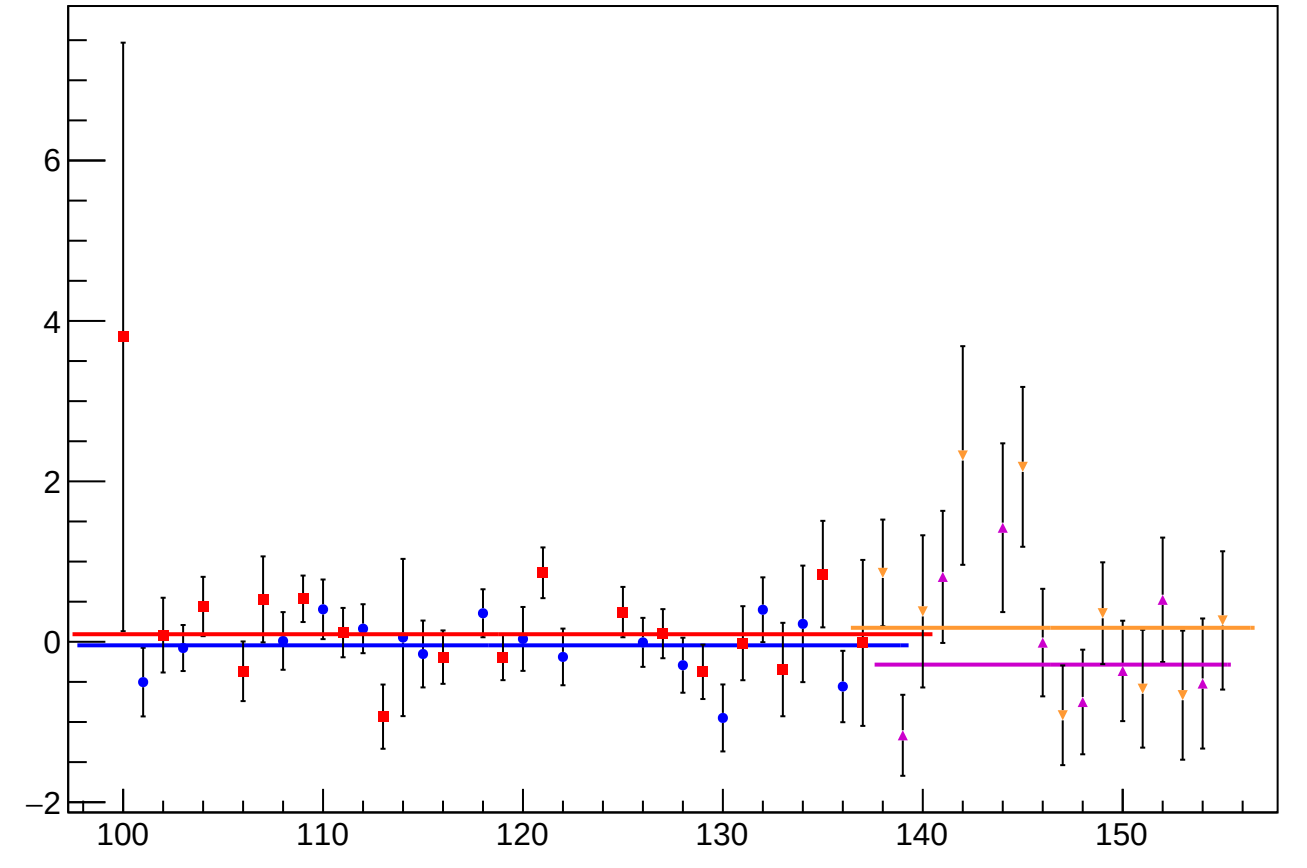
Left: 0.000+/-0.000 χ^2/NDF: 6327478.6/17

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:2432578.7/23

Out: 0.000+/-0.000 χ^2/NDF:7617496.7/28

All: 0.000+/-0.000 χ^2/NDF: 12781859.4/52



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.174+/-0.261 χ^2/NDF:13.0/8

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.285+/-0.245 χ^2/NDF:9.3/7

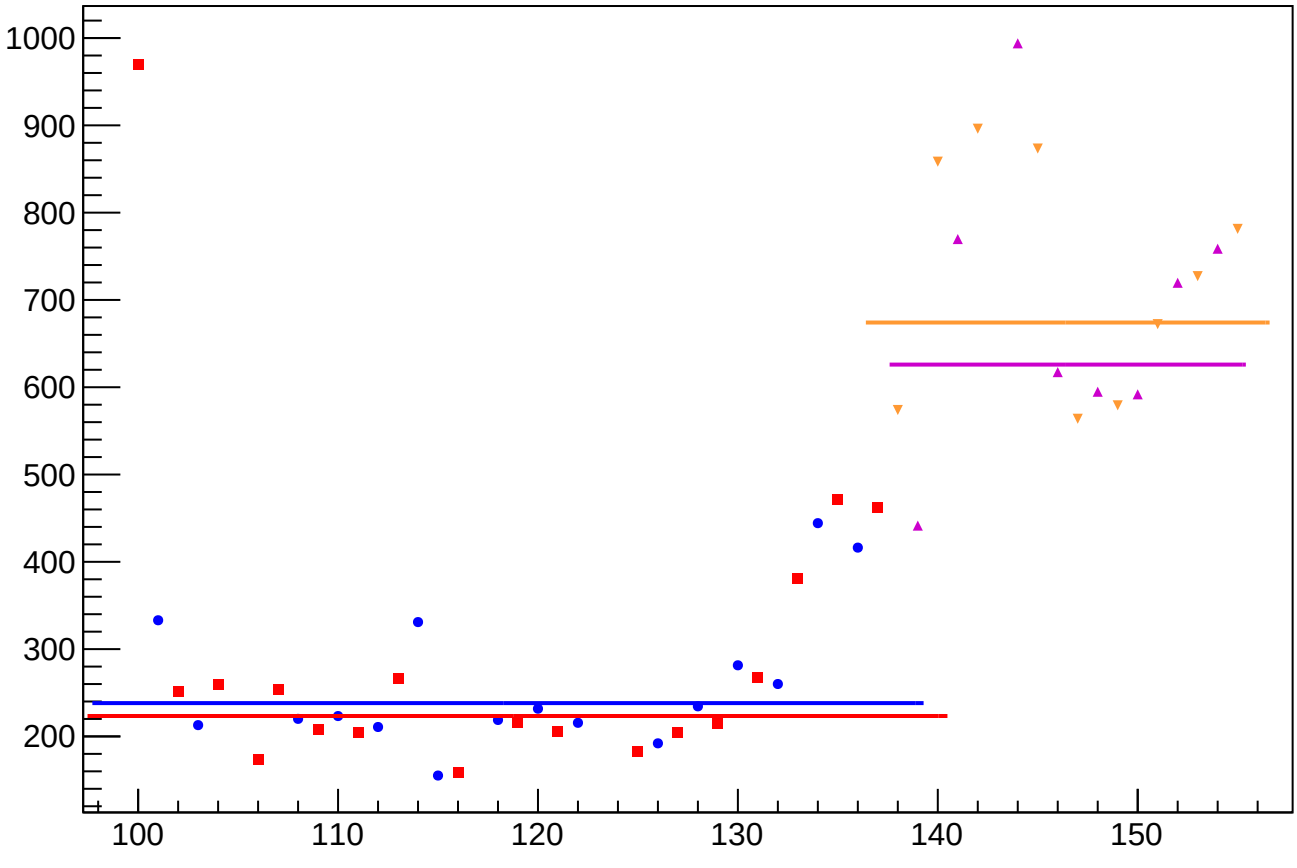
Left: -0.069+/-0.179 χ^2/NDF: 23.9/16

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.075+/-0.088 χ^2/NDF:23.2/23

Out: 0.103+/-0.085 χ^2/NDF:38.3/26

All: 0.017+/-0.061 χ^2/NDF: 63.7/50



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 674.137+/-0.184 χ^2/NDF:401306.2/8

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 625.939+/-0.173 χ^2/NDF:666283.8/7

Left: 648.593+/-0.126 χ^2/NDF: 1103872.8/16

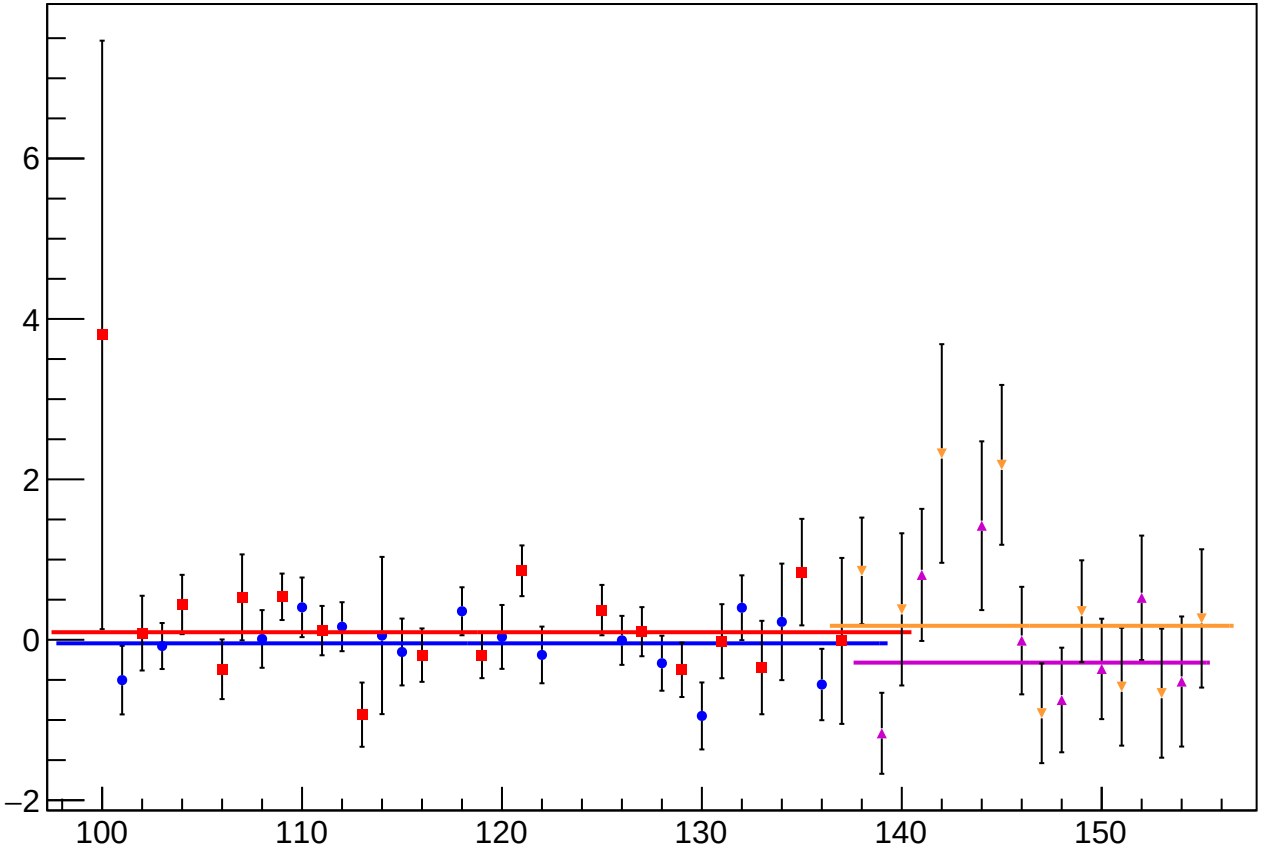
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 287.621+/-0.062 χ^2/NDF:5832989.1/23

Out: 271.484+/-0.060 χ^2/NDF:6612551.5/26

All: 279.318+/-0.043 χ^2/NDF: 12480454.5/50

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.174+/-0.261 χ^2/NDF:13.0/8

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.285+/-0.245 χ^2/NDF:9.3/7

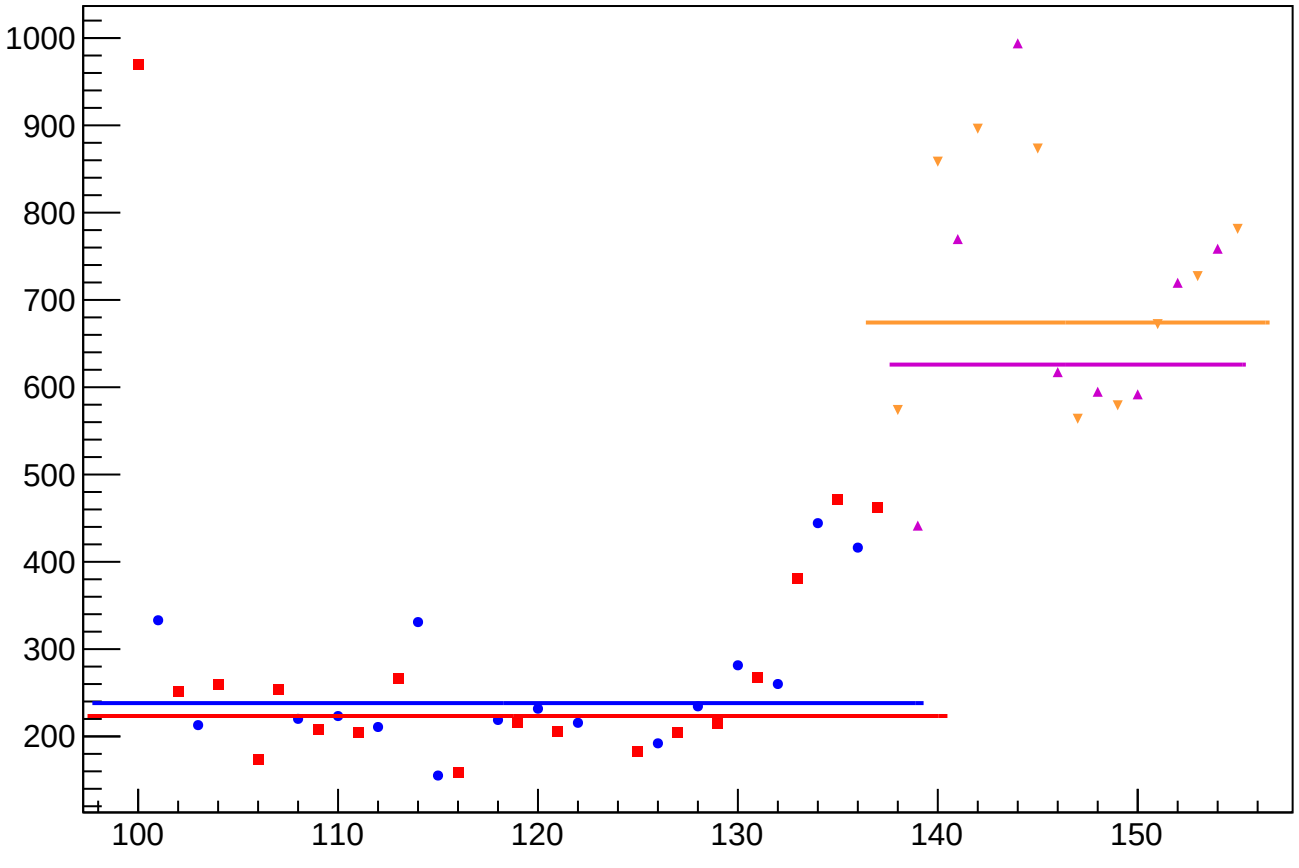
Left: -0.069+/-0.179 χ^2/NDF: 23.9/16

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.075+/-0.088 χ^2/NDF:23.2/23

Out: 0.103+/-0.085 χ^2/NDF:38.3/26

All: 0.017+/-0.061 χ^2/NDF: 63.7/50



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 674.137+/-0.184 χ^2/NDF:401306.2/8

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 625.939+/-0.173 χ^2/NDF:666283.8/7

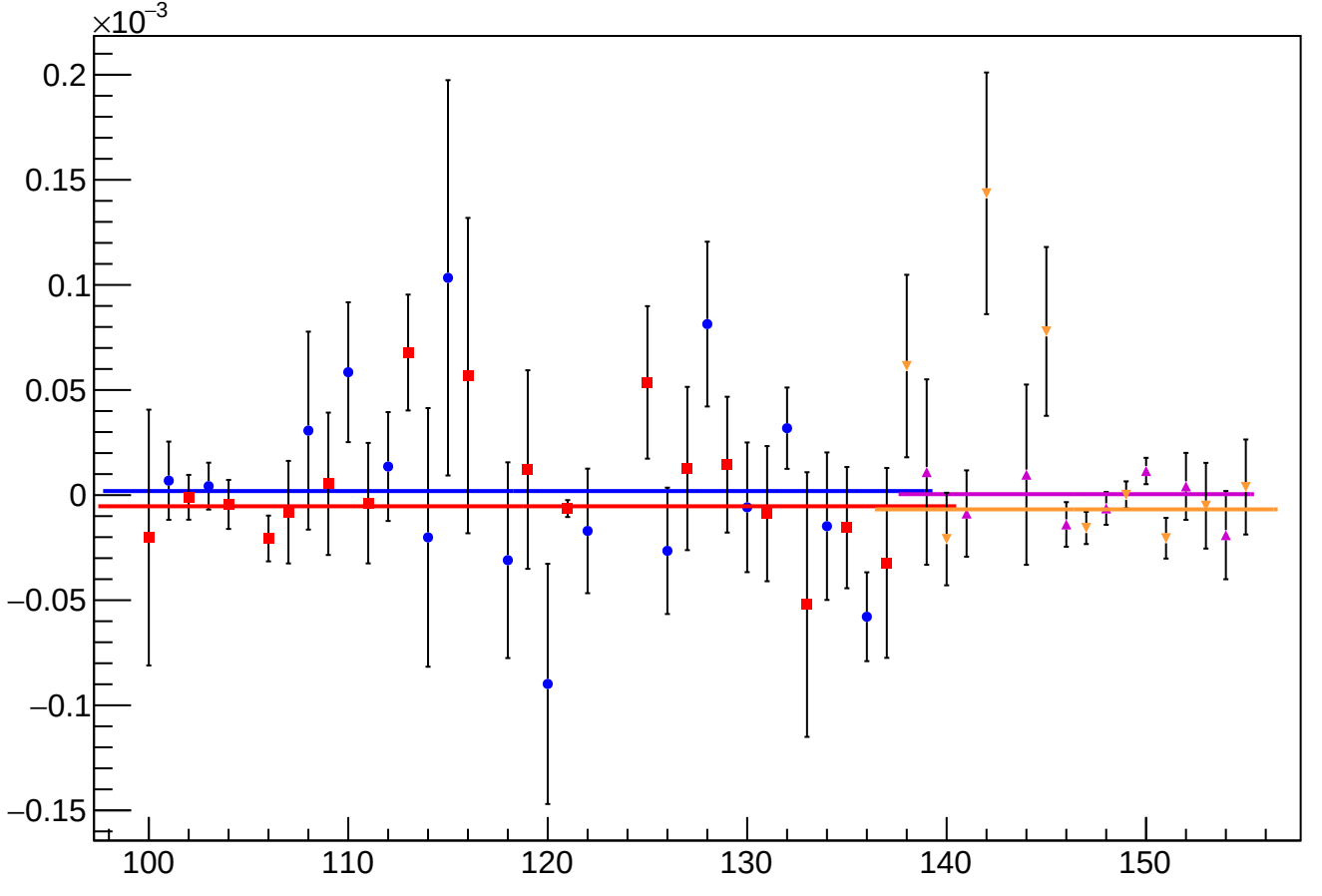
Left: 648.593+/-0.126 χ^2/NDF: 1103872.8/16

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 287.621+/-0.062 χ^2/NDF:5832989.1/23

Out: 271.484+/-0.060 χ^2/NDF:6612551.5/26

All: 279.318+/-0.043 χ^2/NDF: 12480454.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/8

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

Left In: 0.000+/-0.000 χ^2/NDF:6.9/7

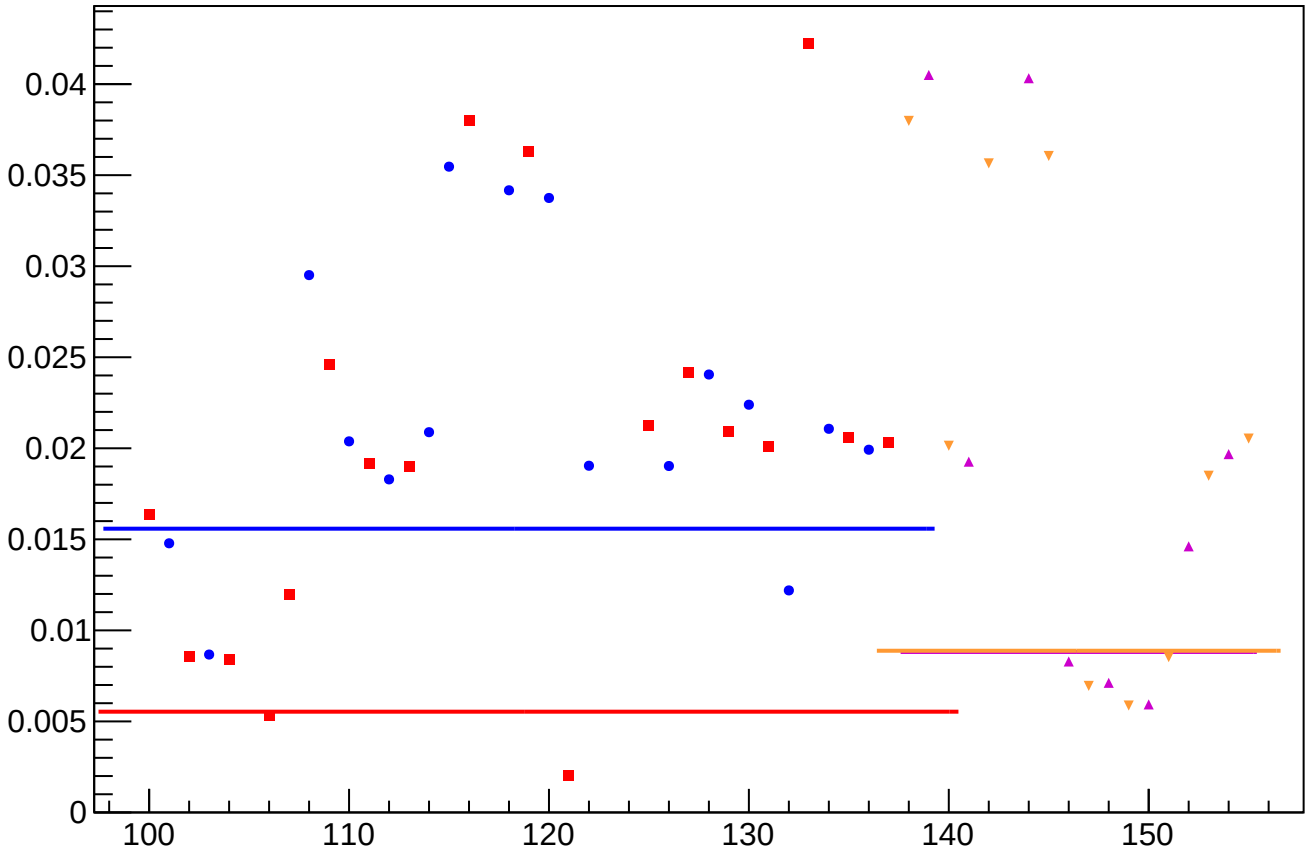
Left: -0.000+/-0.000 χ^2/NDF: 27.4/16

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:31.0/23

Out: -0.000+/-0.000 χ^2/NDF:33.5/26

All: -0.000+/-0.000 χ^2/NDF: 67.0/50



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:4314424.1/8

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.009+/-0.000 χ^2/NDF:3952609.1/7

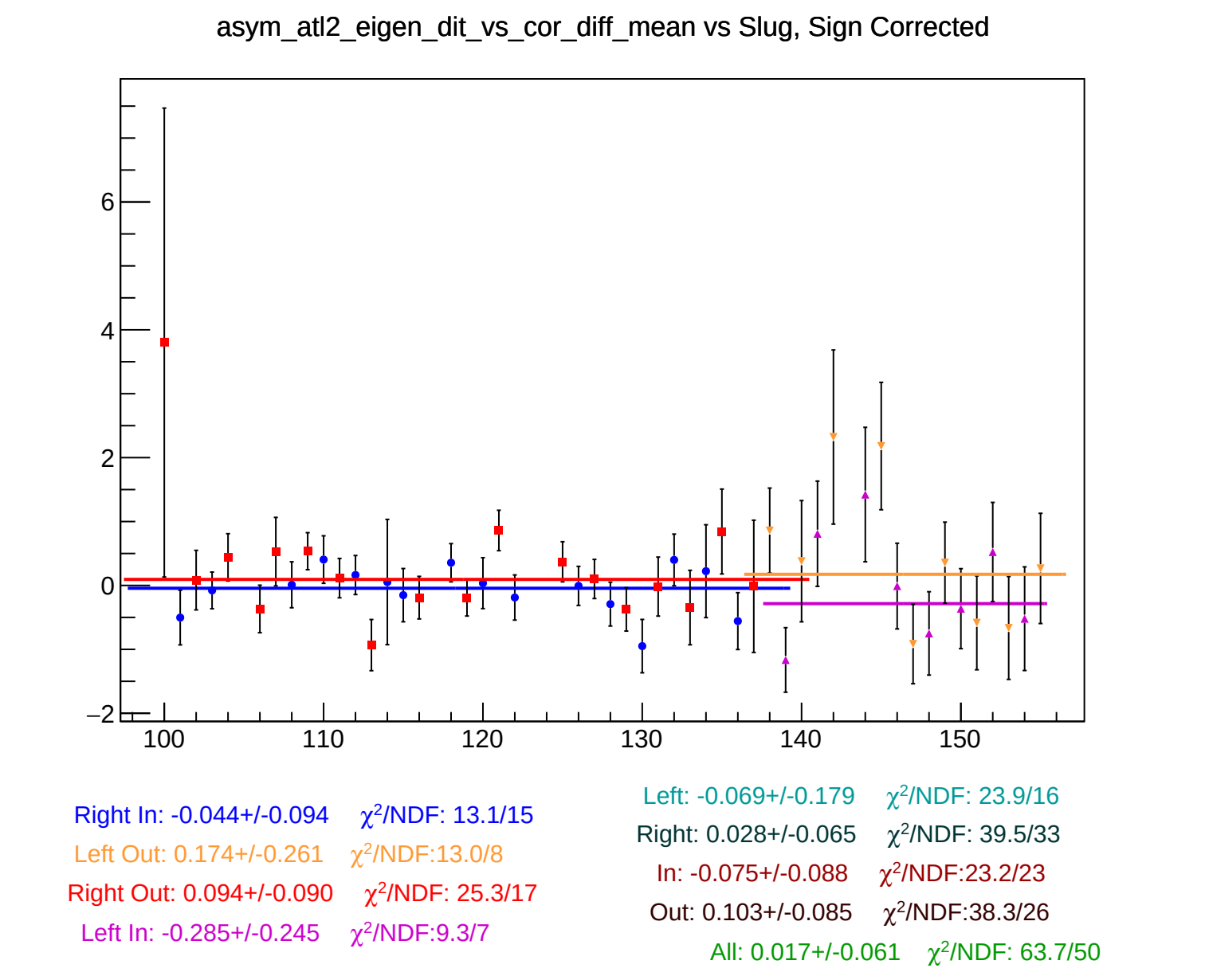
Left: 0.009+/-0.000 χ^2/NDF: 8267309.8/16

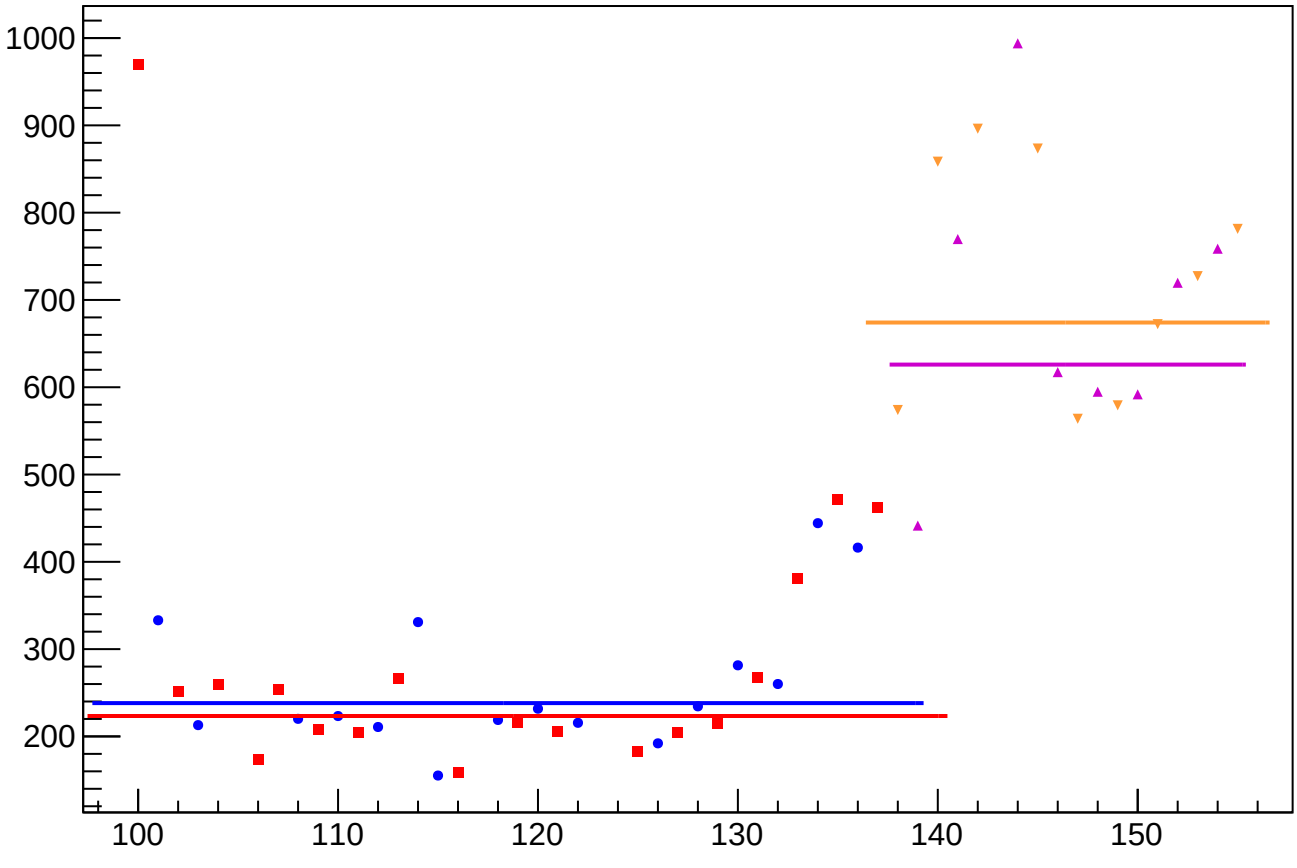
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:7630338.4/23

Out: 0.007+/-0.000 χ^2/NDF:13100700.8/26

All: 0.008+/-0.000 χ^2/NDF: 22469424.4/50


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
6
4
2
0
−2
100
110
120
130
140
150
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: 0.174+/-0.261 χ²/NDF:13.0/8
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.285+/-0.245 χ²/NDF:9.3/7
Left: -0.069+/-0.179 χ²/NDF: 23.9/16
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.075+/-0.088 χ²/NDF:23.2/23
Out: 0.103+/-0.085 χ²/NDF:38.3/26
All: 0.017+/-0.061 χ²/NDF: 63.7/50



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 674.142+/-0.184 χ^2/NDF:401344.0/8

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 625.948+/-0.173 χ^2/NDF:666267.9/7

Left: 648.600+/-0.126 χ^2/NDF: 1103889.1/16

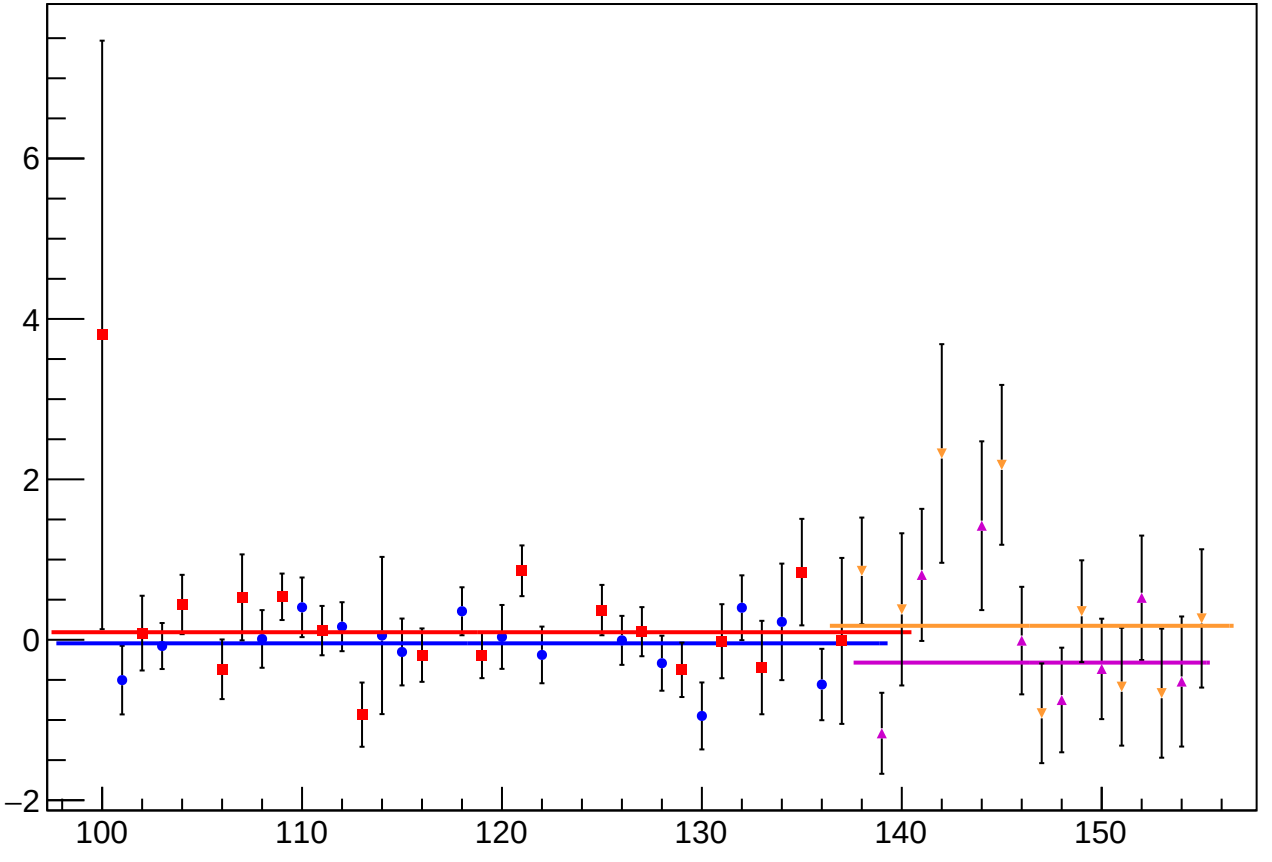
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 287.622+/-0.062 χ^2/NDF:5833014.9/23

Out: 271.486+/-0.060 χ^2/NDF:6612533.1/26

All: 279.319+/-0.043 χ^2/NDF: 12480458.4/50

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.174+/-0.261 χ^2/NDF:13.0/8

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.285+/-0.245 χ^2/NDF:9.3/7

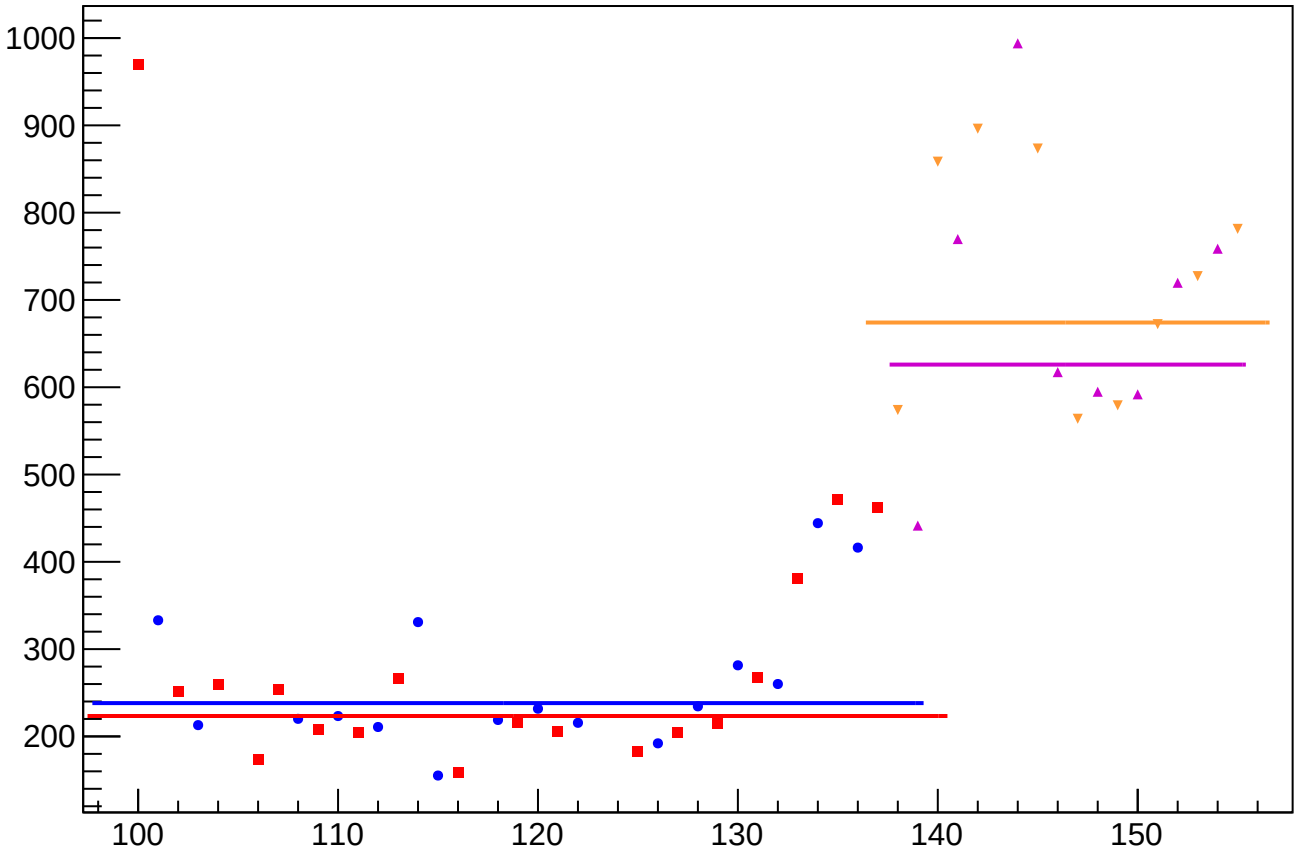
Left: -0.069+/-0.179 χ^2/NDF: 23.9/16

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.075+/-0.088 χ^2/NDF:23.2/23

Out: 0.103+/-0.085 χ^2/NDF:38.3/26

All: 0.017+/-0.061 χ^2/NDF: 63.7/50


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
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120
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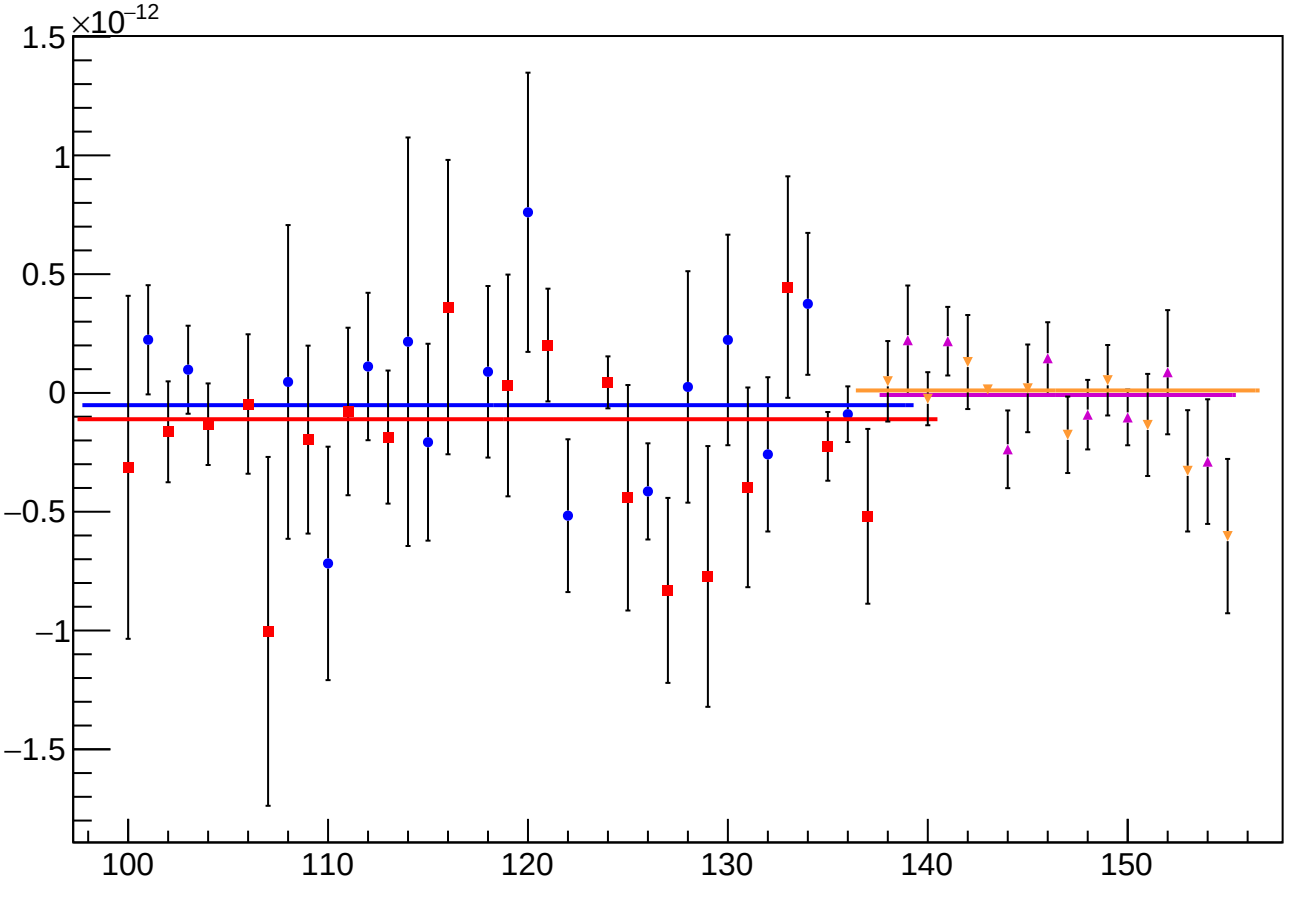
140
150
Right In: 238.165+/-0.066 χ²/NDF: 807170.1/15
Left Out: 674.142+/-0.184 χ²/NDF:401344.0/8
Right Out: 223.390+/-0.064 χ²/NDF: 862366.3/17
Left In: 625.948+/-0.173 χ²/NDF:666267.9/7
Left: 648.600+/-0.126 χ²/NDF: 1103889.1/16
Right: 230.475+/-0.046 χ²/NDF: 1695367.2/33
In: 287.622+/-0.062 χ²/NDF:5833014.9/23
Out: 271.486+/-0.060 χ²/NDF:6612533.1/26
All: 279.319+/-0.043 χ²/NDF: 12480458.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.7/7

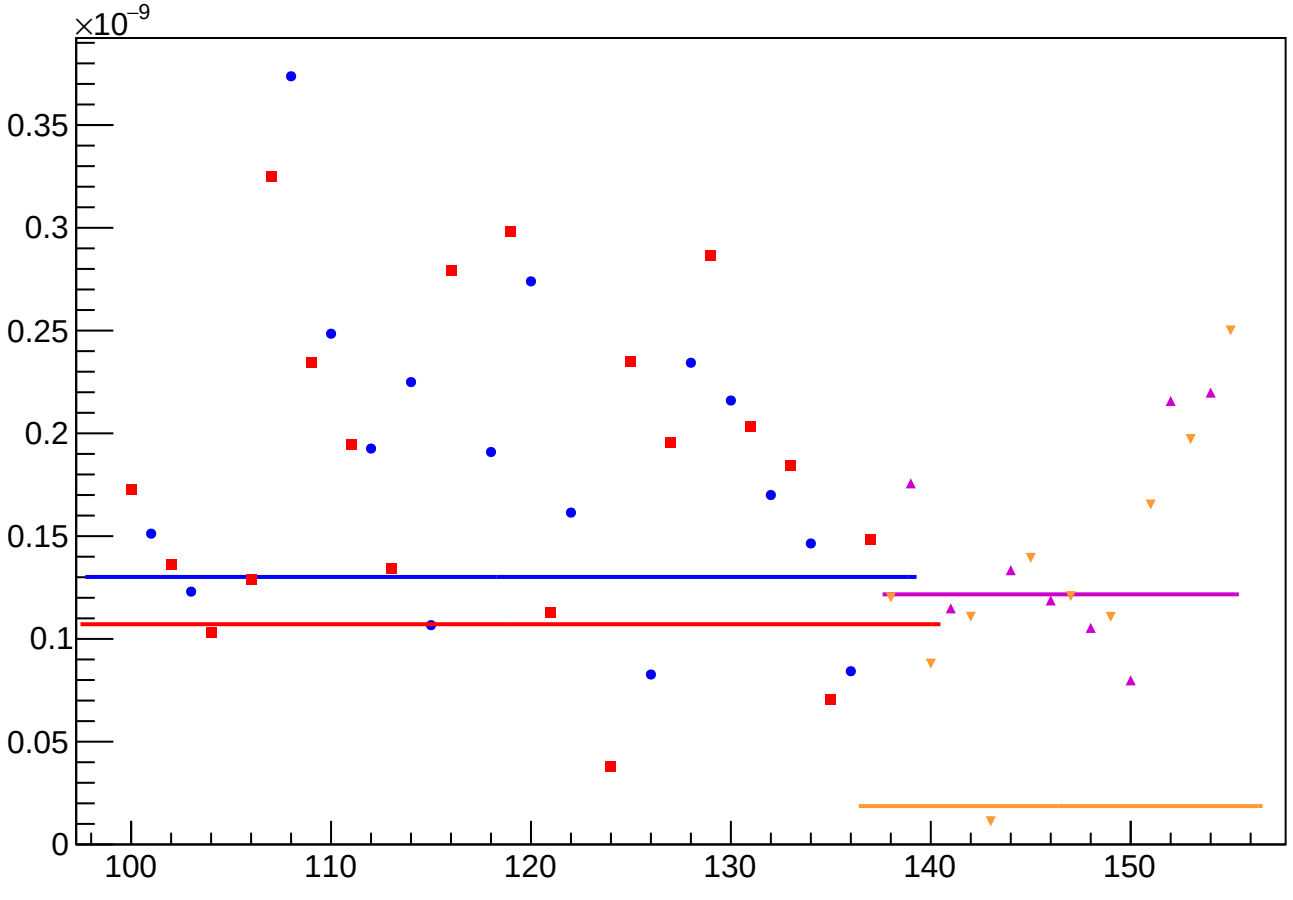
Left: 0.000+/-0.000 χ^2/NDF: 16.6/17

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:23.7/23

Out: 0.000+/-0.000 χ^2/NDF:27.1/28

All: 0.000+/-0.000 χ^2/NDF: 51.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7739576.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:944229.7/7

Left: 0.000+/-0.000 χ^2/NDF: 14586877.2/17

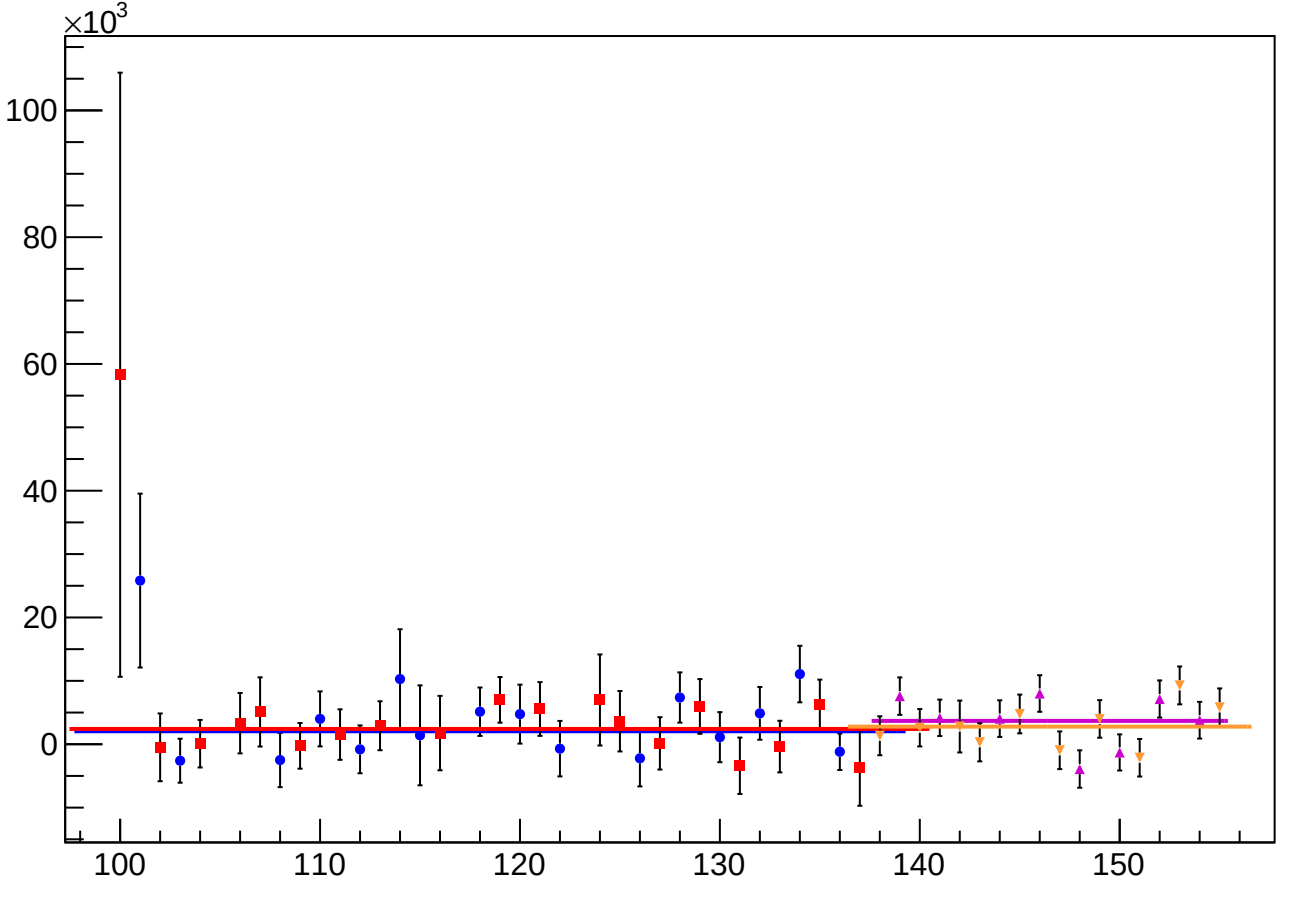
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:2296594.9/23

Out: 0.000+/-0.000 χ^2/NDF:14620386.3/28

All: 0.000+/-0.000 χ^2/NDF: 26482638.1/52

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2779.099+/-969.908 χ^2/NDF:11.6/9

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 3683.482+/-1026.632 χ^2/NDF:15.1/7

Left: 3205.616+/-705.029 χ^2/NDF: 27.1/17

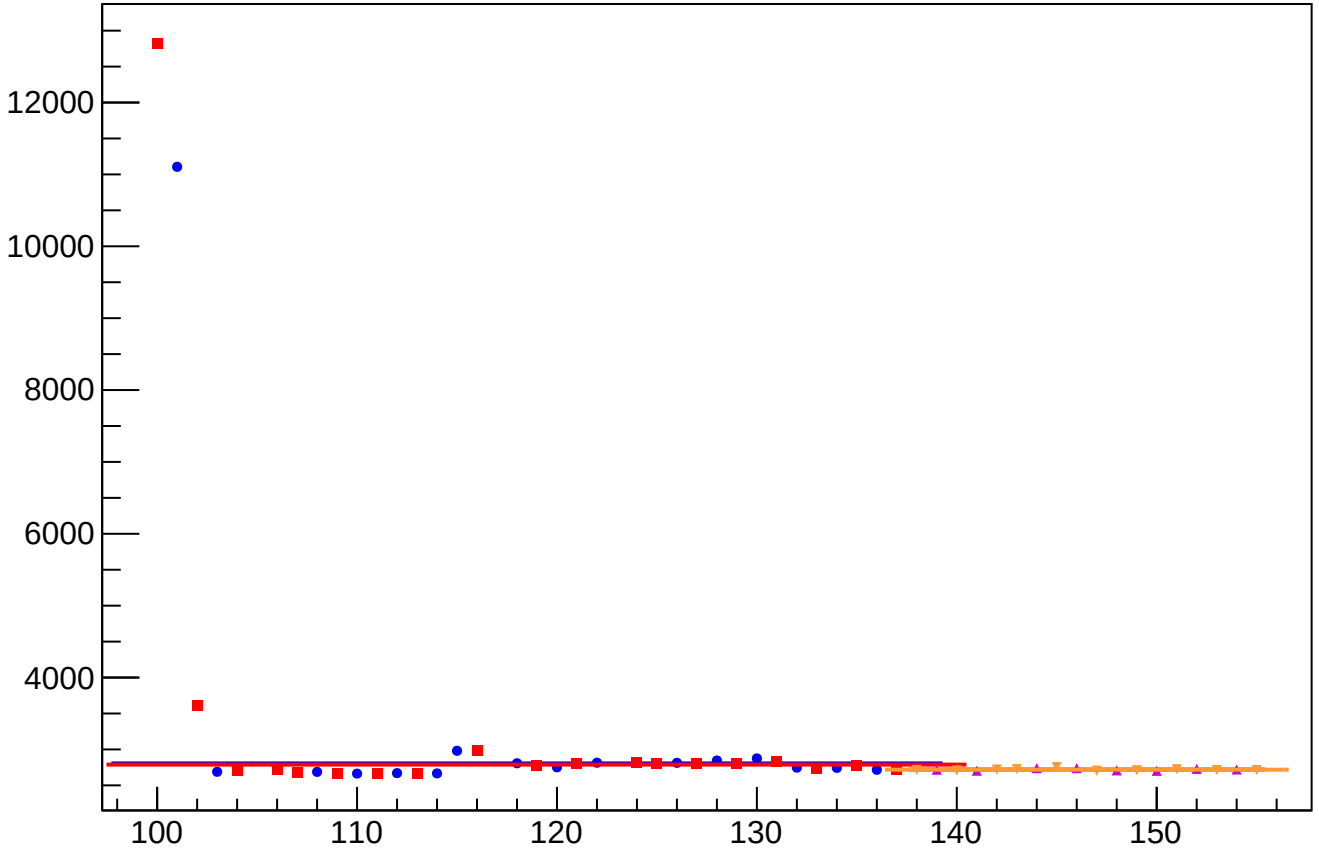
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2900.573+/-740.927 χ^2/NDF:34.1/23

Out: 2607.472+/-707.872 χ^2/NDF:22.4/28

All: 2747.339+/-511.828 χ^2/NDF: 56.6/52

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2718.498+/-0.686 χ^2/NDF:384.8/9

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2720.342+/-0.726 χ^2/NDF:373.3/7

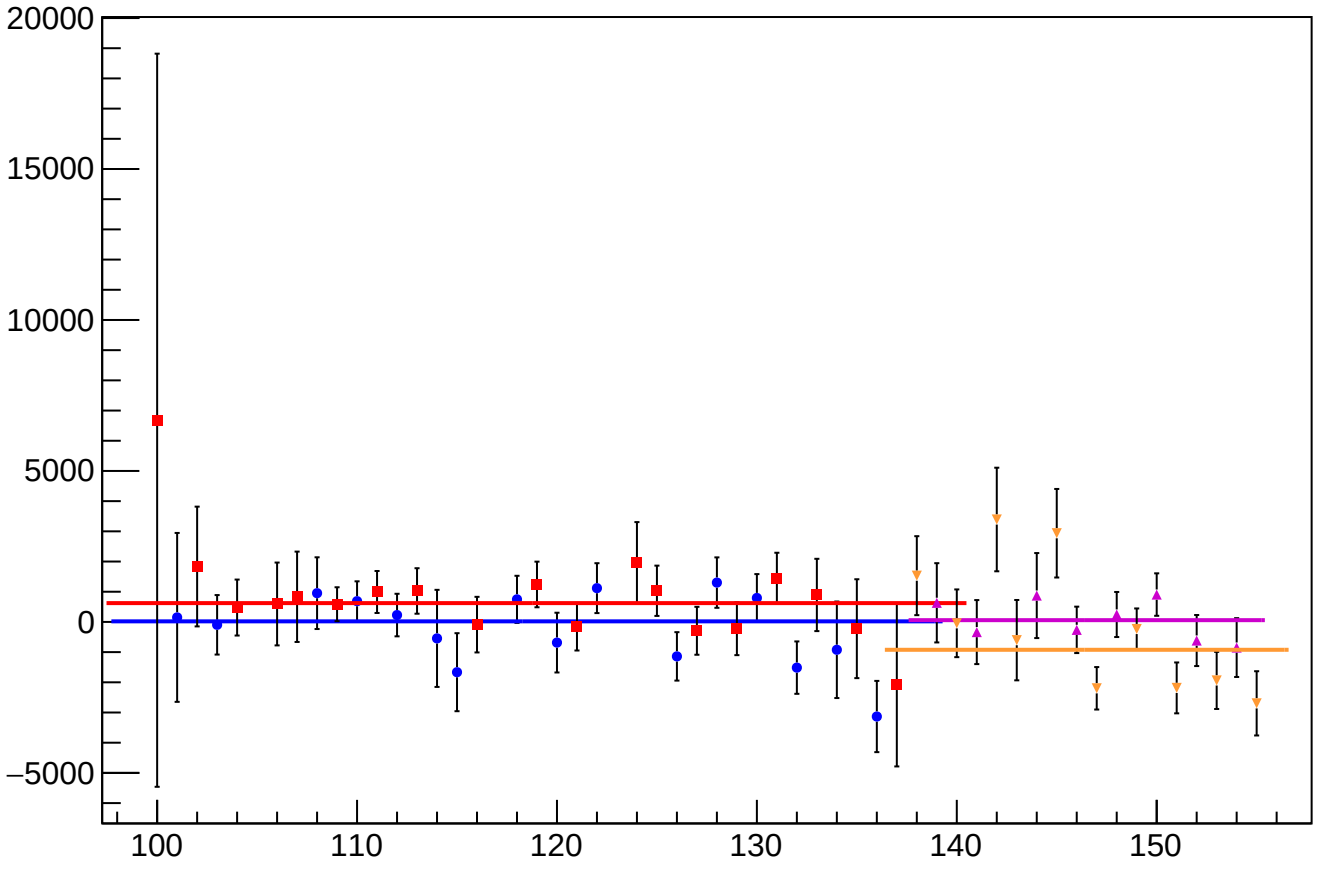
Left: 2719.368+/-0.499 χ^2/NDF: 761.5/17

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2761.119+/-0.524 χ^2/NDF:753198.9/23

Out: 2751.363+/-0.501 χ^2/NDF:152296.5/28

All: 2756.018+/-0.362 χ^2/NDF: 905676.8/52



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -922.971+/-310.998 χ^2/NDF:27.9/9

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 58.287+/-317.193 χ^2/NDF:3.9/7

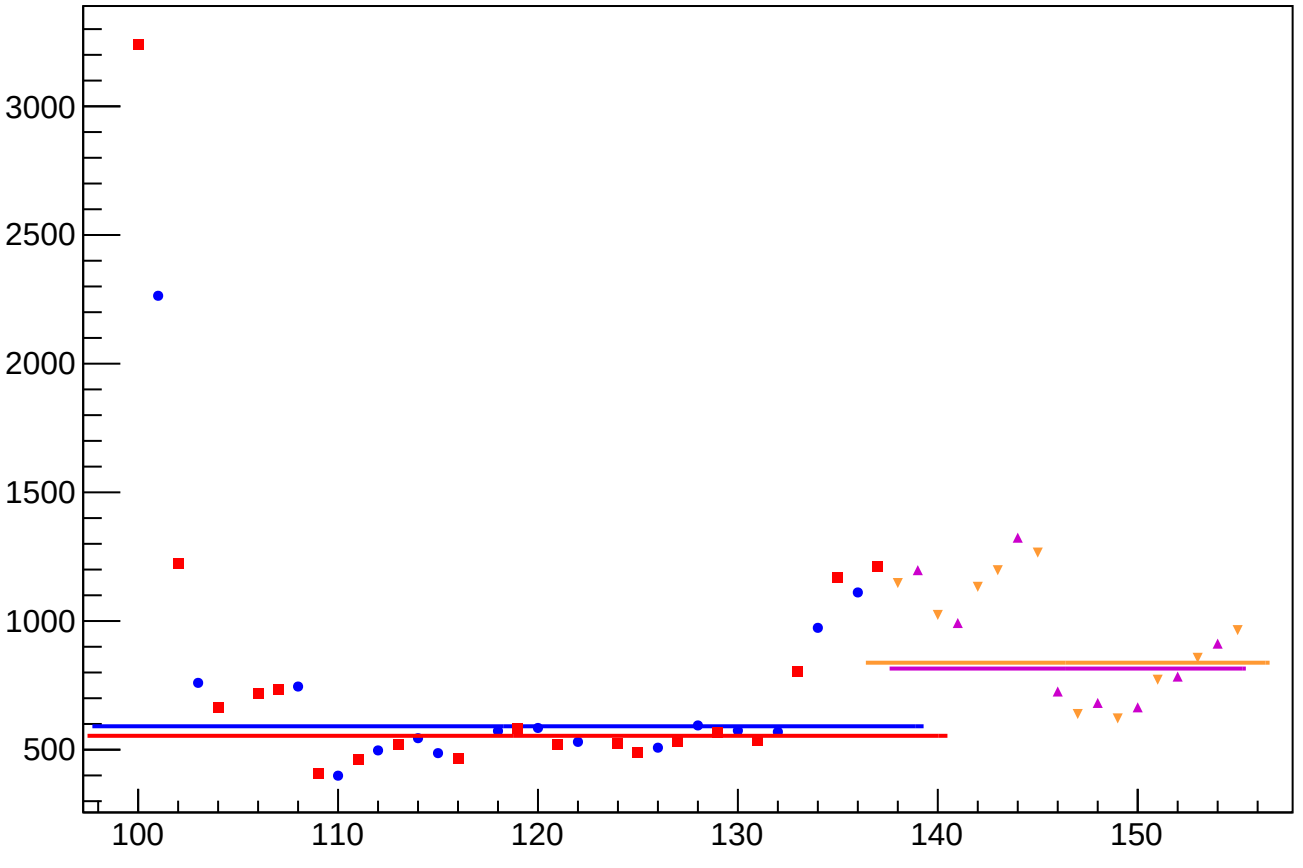
Left: -442.018+/-222.067 χ^2/NDF: 36.7/17

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 32.794+/-188.034 χ^2/NDF:26.6/23

Out: 120.161+/-177.379 χ^2/NDF:53.9/28

All: 79.023+/-129.029 χ^2/NDF: 80.6/52



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 838.053+/-0.220 χ^2/NDF:946393.2/9

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 815.276+/-0.224 χ^2/NDF:691681.3/7

Left: 826.889+/-0.157 χ^2/NDF: 1643332.6/17

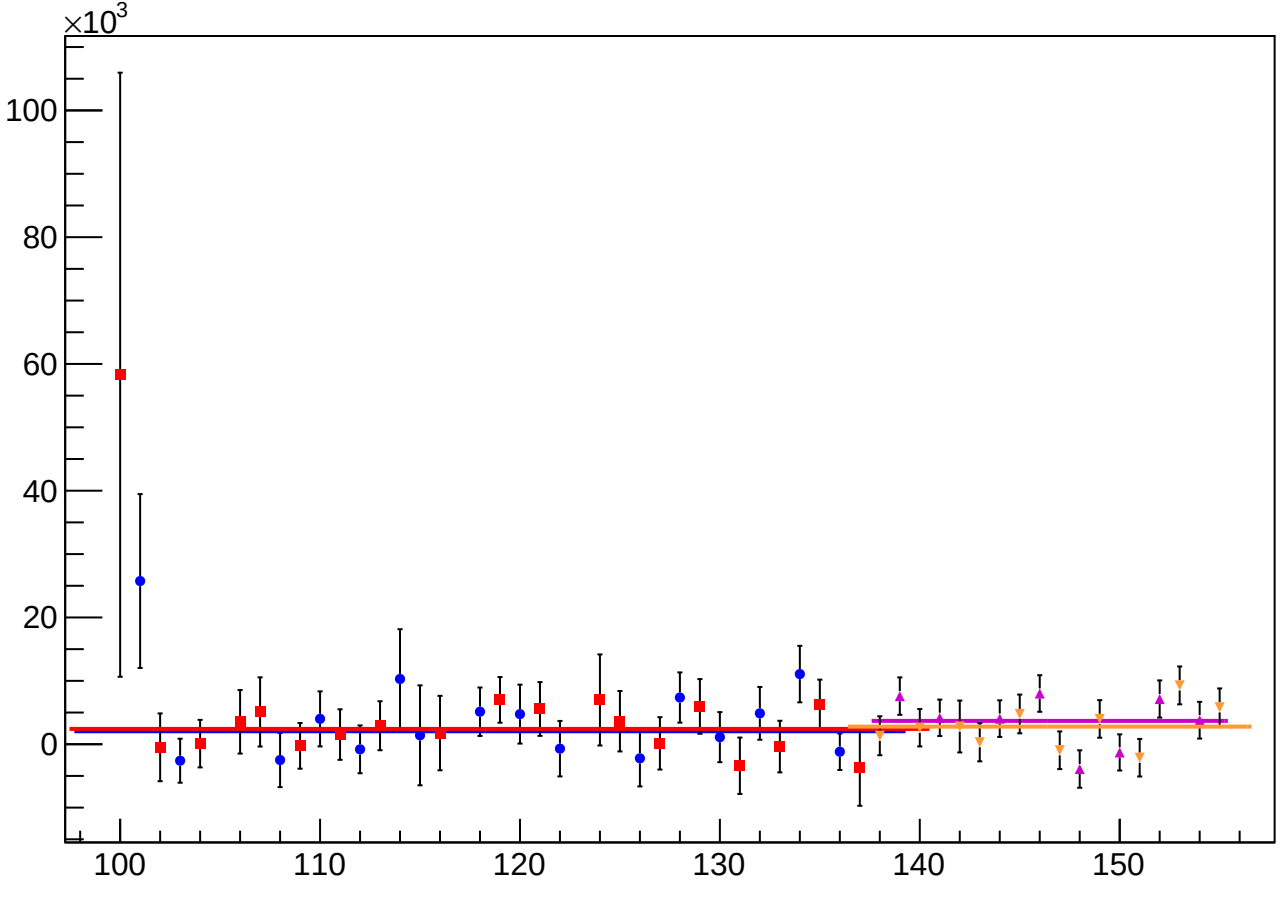
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 669.842+/-0.133 χ^2/NDF:2907608.1/23

Out: 646.391+/-0.125 χ^2/NDF:3189146.2/28

All: 657.433+/-0.091 χ^2/NDF: 6113213.5/52

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2779.122+/-969.908 χ^2/NDF:11.6/9

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 3683.664+/-1026.632 χ^2/NDF:15.1/7

Left: 3205.714+/-705.029 χ^2/NDF: 27.1/17

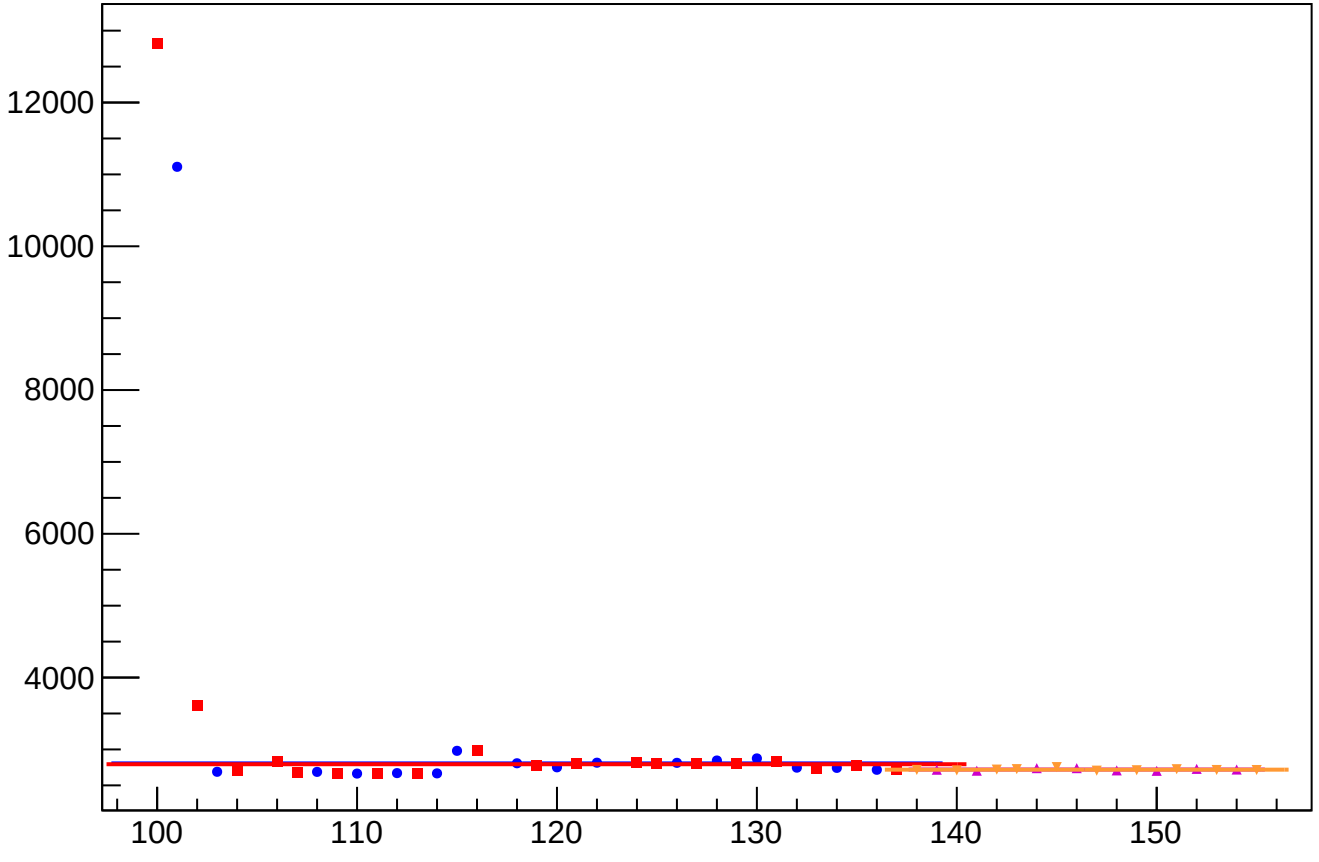
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2900.282+/-740.927 χ^2/NDF:34.1/23

Out: 2610.726+/-708.633 χ^2/NDF:22.4/28

All: 2749.056+/-512.115 χ^2/NDF: 56.6/52

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2718.498+/-0.686 χ^2/NDF:384.8/9

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2720.342+/-0.726 χ^2/NDF:373.3/7

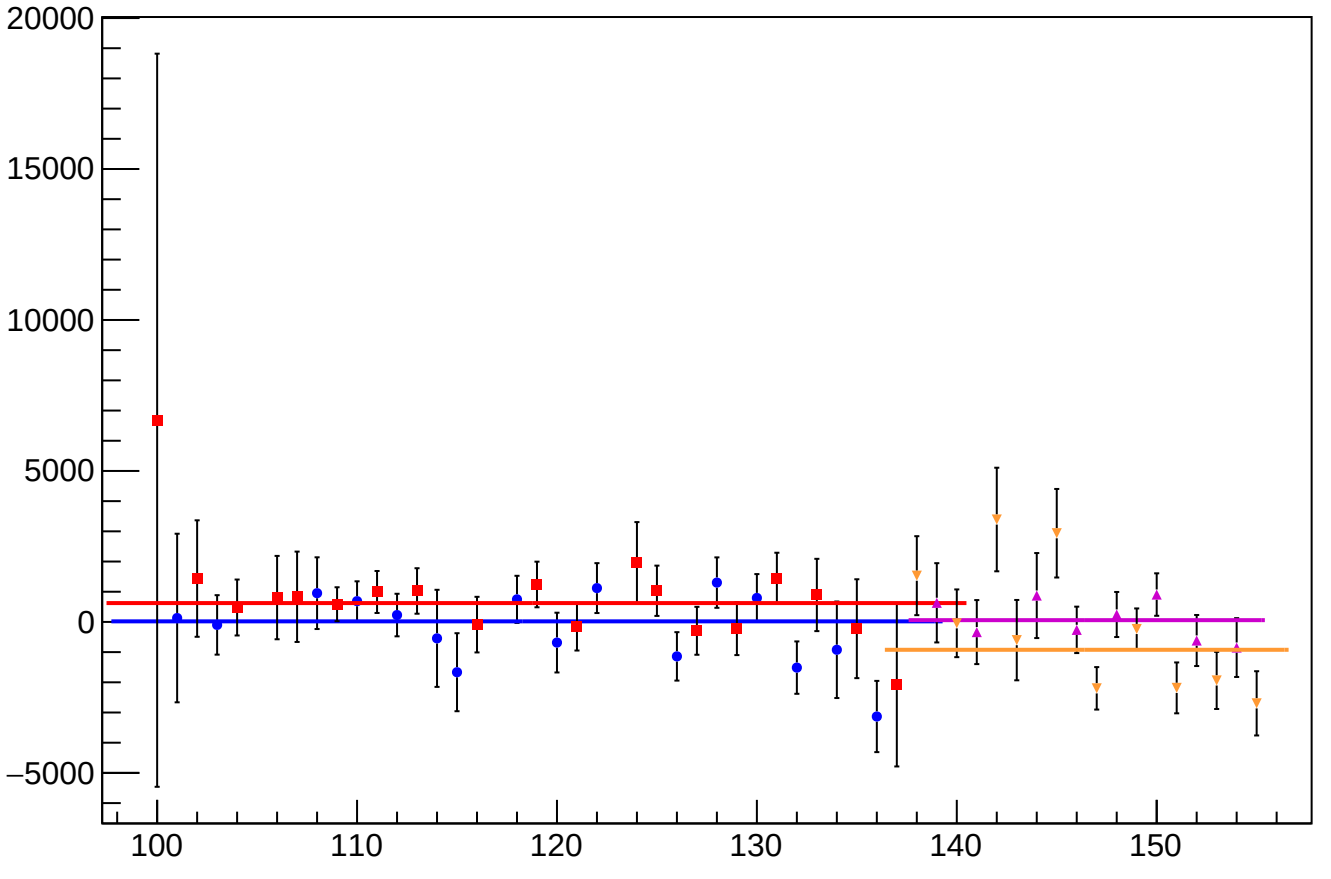
Left: 2719.368+/-0.499 χ^2/NDF: 761.5/17

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2761.119+/-0.524 χ^2/NDF:753198.0/23

Out: 2753.770+/-0.501 χ^2/NDF:152802.6/28

All: 2757.281+/-0.362 χ^2/NDF: 906103.4/52



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -922.932+/-310.996 χ^2/NDF:27.9/9

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 58.531+/-317.193 χ^2/NDF:3.9/7

Left: -441.881+/-222.066 χ^2/NDF: 36.7/17

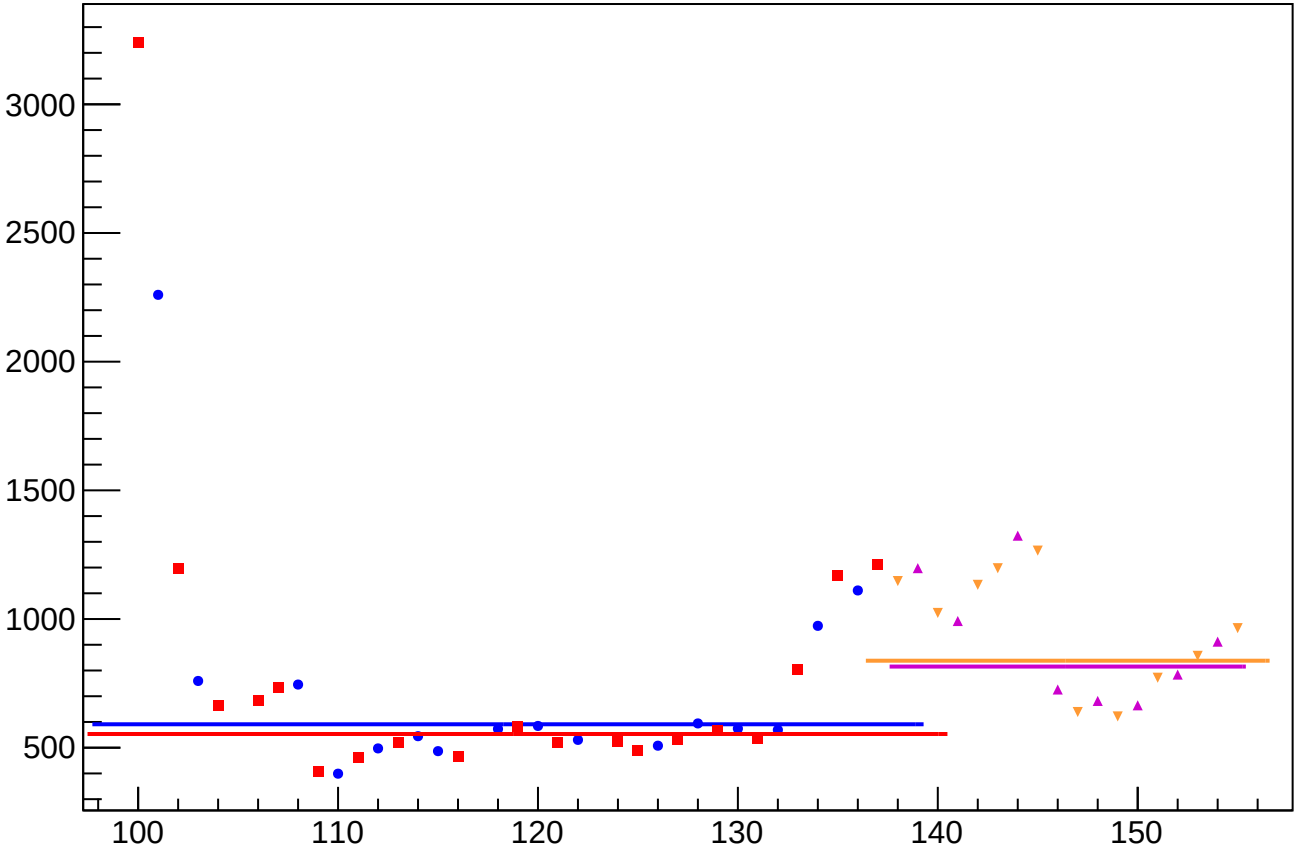
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 32.852+/-188.028 χ^2/NDF:26.6/23

Out: 121.064+/-177.353 χ^2/NDF:53.7/28

All: 79.533+/-129.017 χ^2/NDF: 80.5/52

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 838.046+/-0.220 χ^2/NDF:946402.3/9

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 815.274+/-0.224 χ^2/NDF:691664.0/7

Left: 826.885+/-0.157 χ^2/NDF: 1643322.0/17

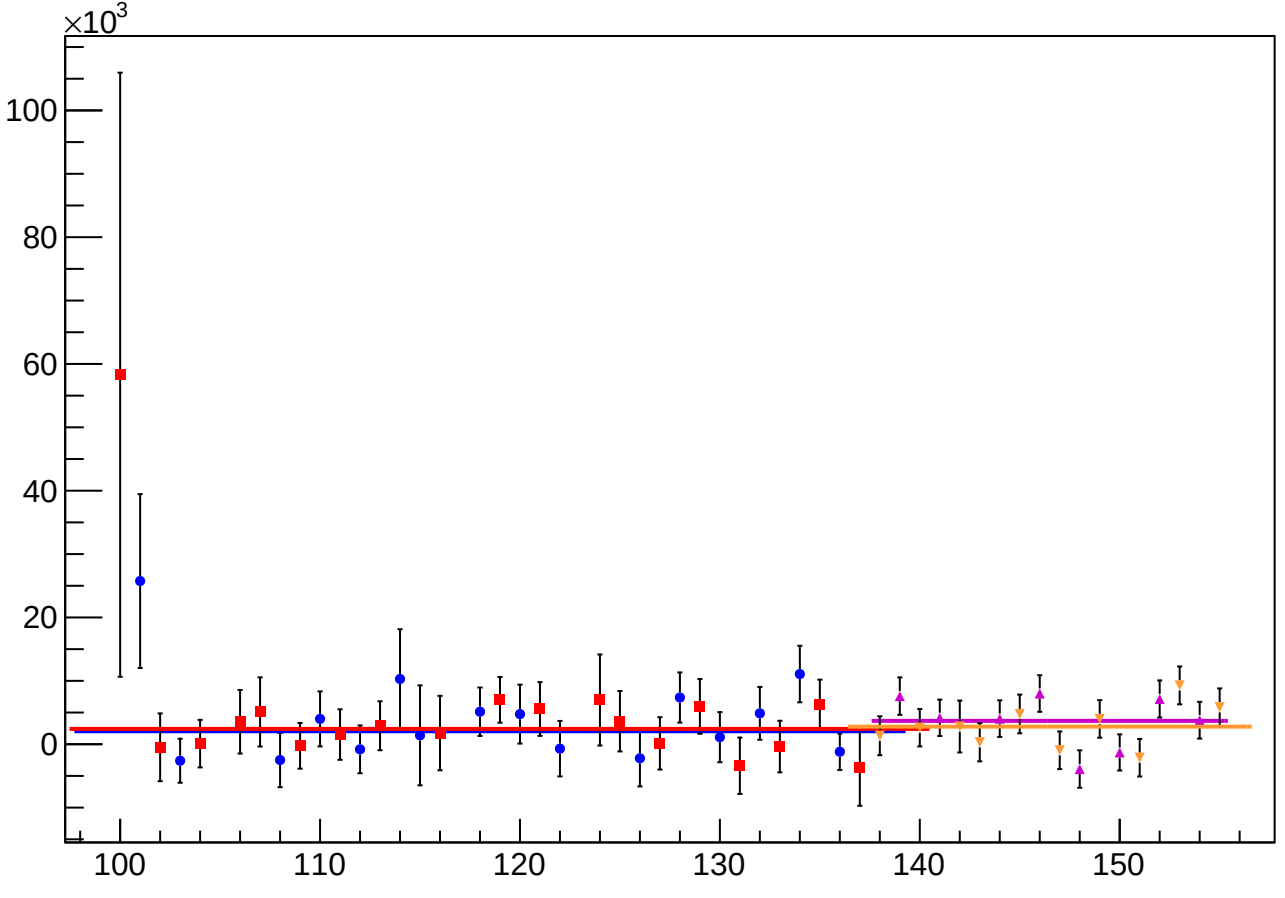
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 669.835+/-0.133 χ^2/NDF:2906587.1/23

Out: 645.858+/-0.125 χ^2/NDF:3179948.0/28

All: 657.146+/-0.091 χ^2/NDF: 6103745.5/52

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2779.122+/-969.908 χ^2/NDF:11.6/9

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 3683.664+/-1026.632 χ^2/NDF:15.1/7

Left: 3205.714+/-705.029 χ^2/NDF: 27.1/17

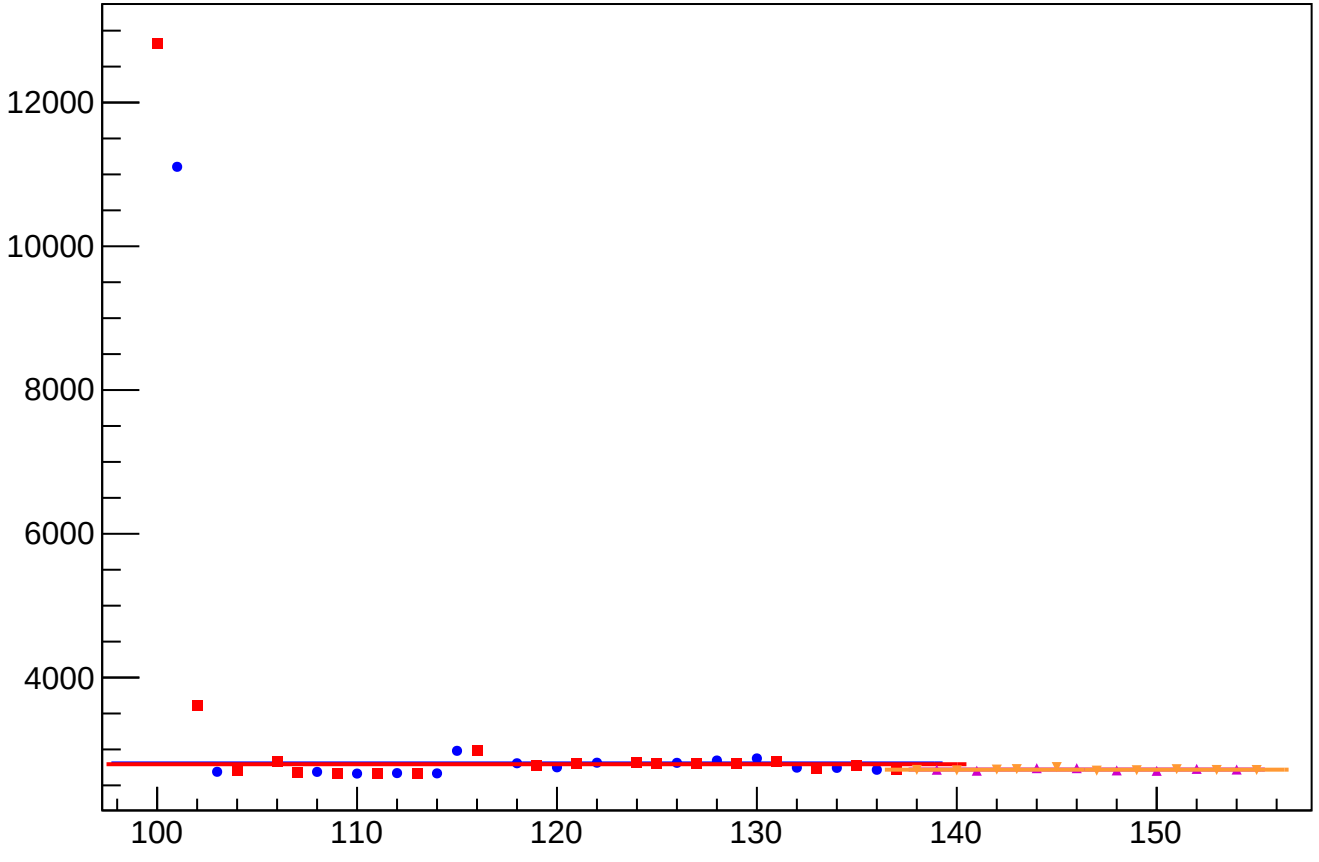
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2900.282+/-740.927 χ^2/NDF:34.1/23

Out: 2610.726+/-708.633 χ^2/NDF:22.4/28

All: 2749.056+/-512.115 χ^2/NDF: 56.6/52

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2718.498+/-0.686 χ^2/NDF:384.8/9

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2720.342+/-0.726 χ^2/NDF:373.3/7

Left: 2719.368+/-0.499 χ^2/NDF: 761.5/17

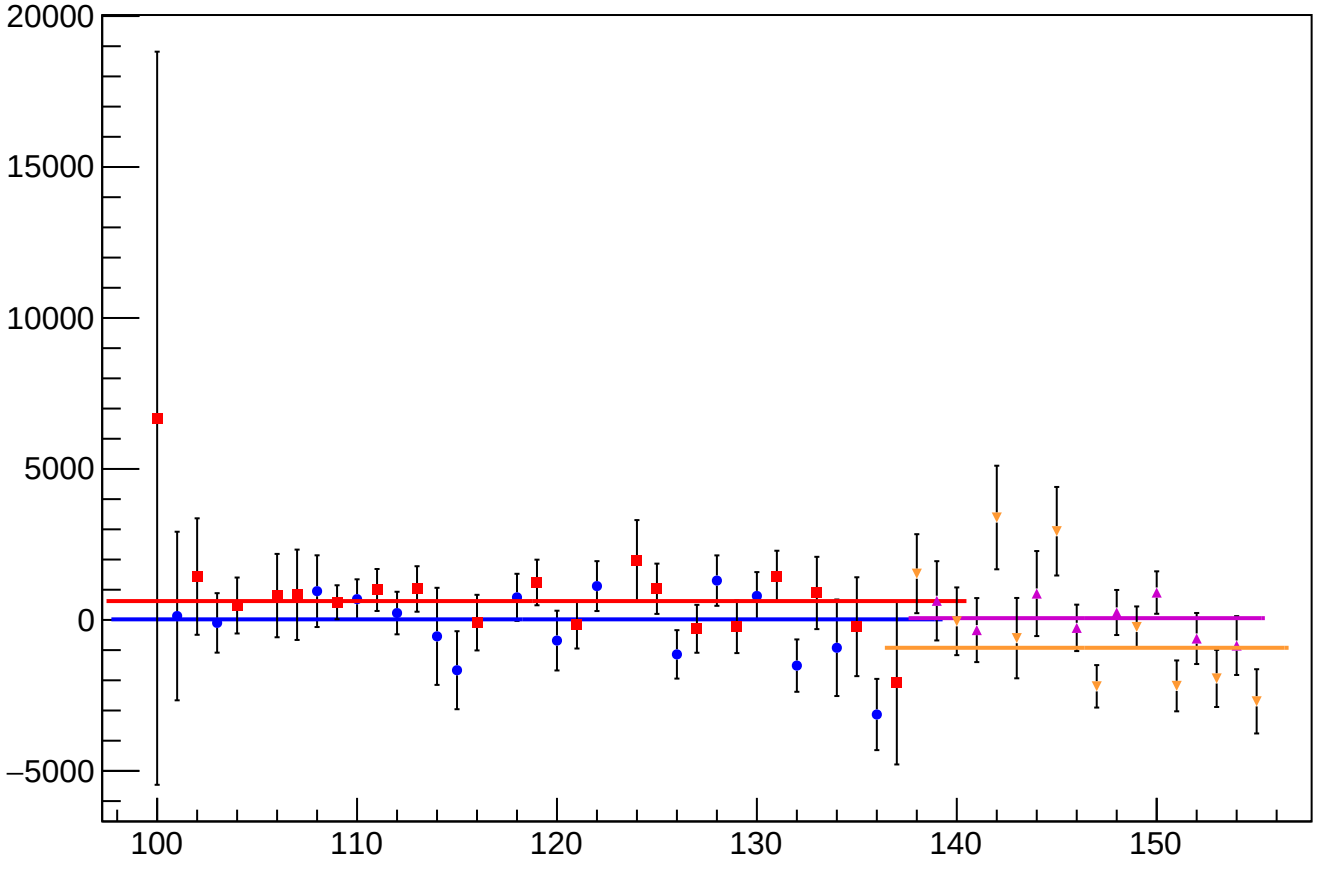
Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2761.119+/-0.524 χ^2/NDF:753198.0/23

Out: 2753.770+/-0.501 χ^2/NDF:152802.6/28

All: 2757.281+/-0.362 χ^2/NDF: 906103.4/52

asym_atr1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -922.932+/-310.996 χ^2/NDF:27.9/9

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 58.531+/-317.193 χ^2/NDF:3.9/7

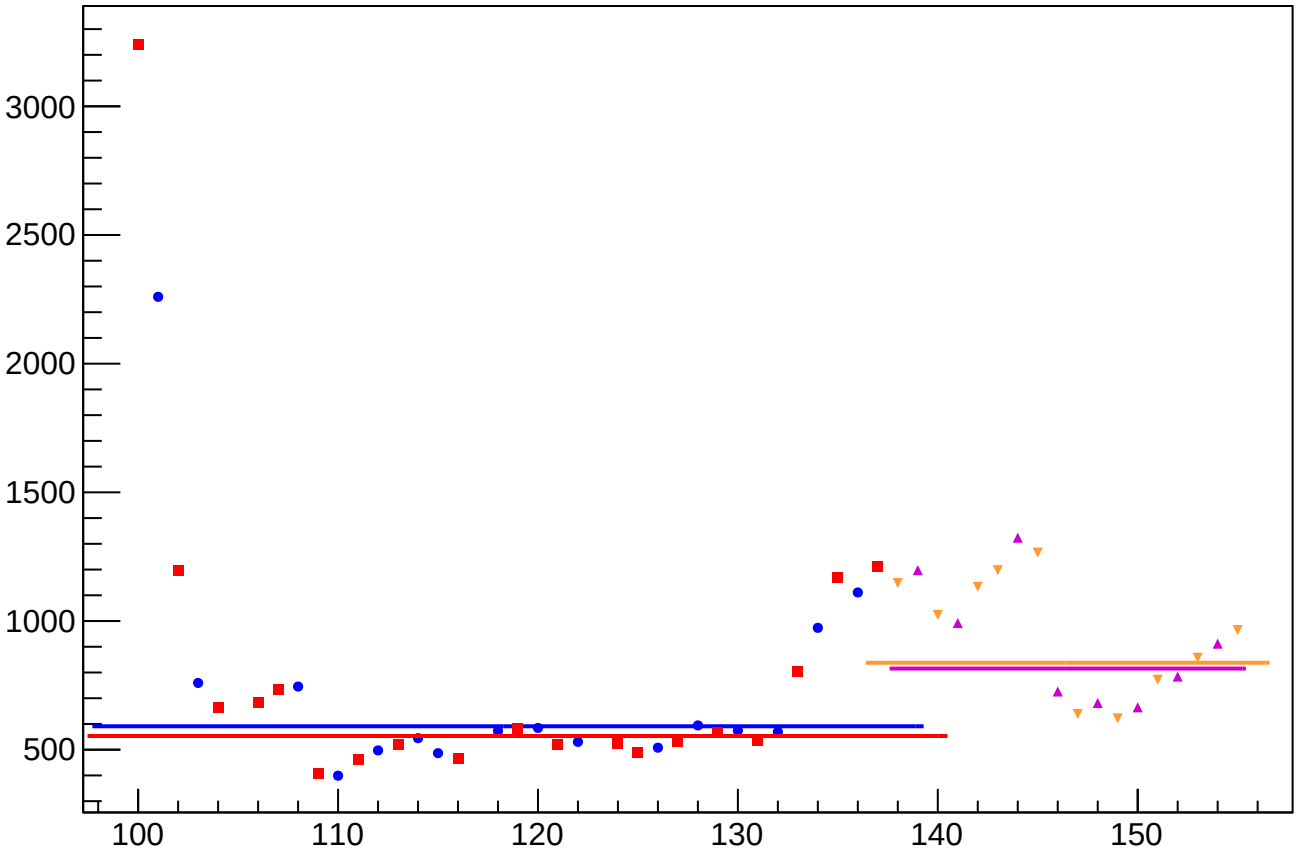
Left: -441.881+/-222.066 χ^2/NDF: 36.7/17

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 32.852+/-188.028 χ^2/NDF:26.6/23

Out: 121.064+/-177.353 χ^2/NDF:53.7/28

All: 79.533+/-129.017 χ^2/NDF: 80.5/52



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 838.046+/-0.220 χ^2/NDF:946402.3/9

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 815.274+/-0.224 χ^2/NDF:691664.0/7

Left: 826.885+/-0.157 χ^2/NDF: 1643322.0/17

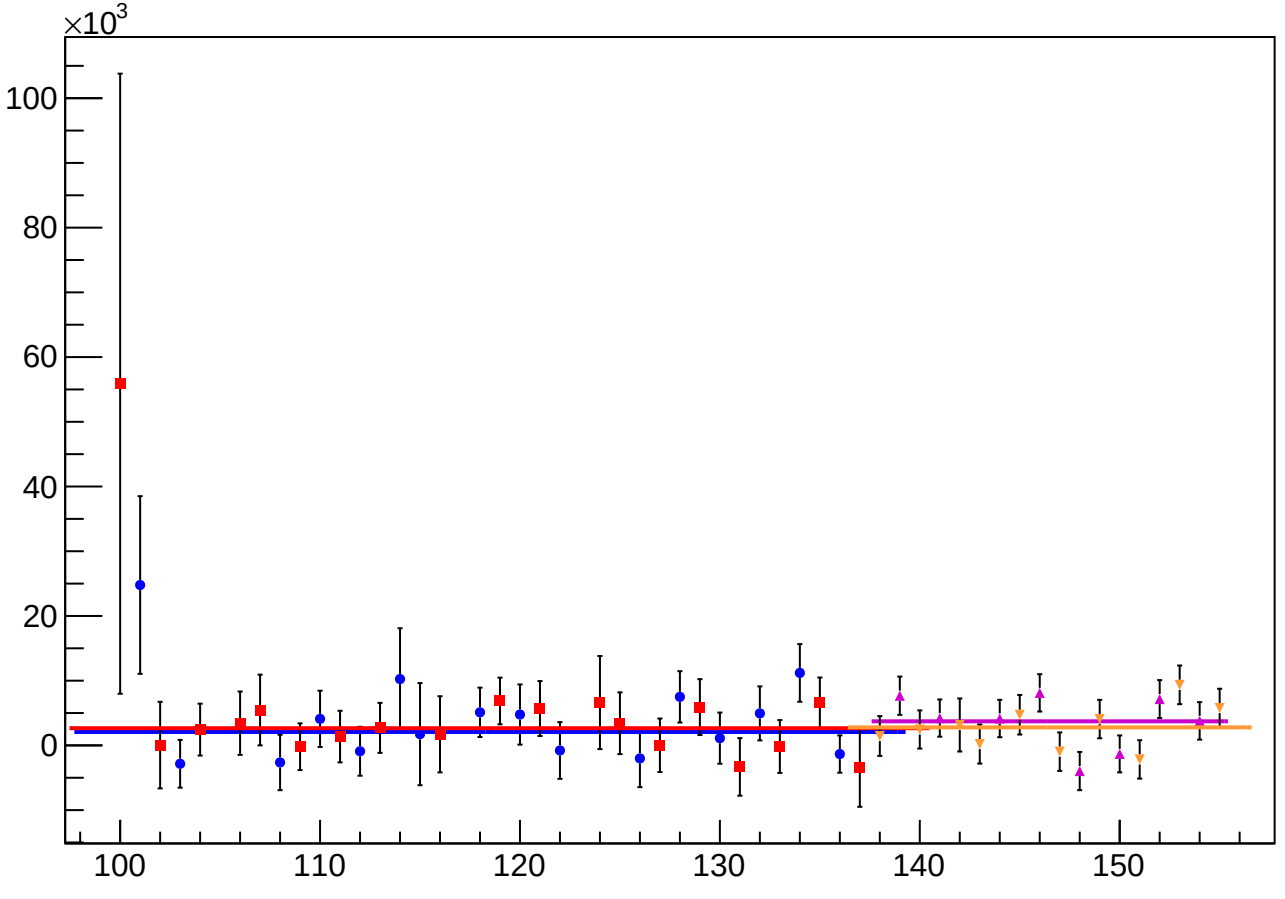
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 669.835+/-0.133 χ^2/NDF:2906587.1/23

Out: 645.858+/-0.125 χ^2/NDF:3179948.0/28

All: 657.146+/-0.091 χ^2/NDF: 6103745.5/52

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2784.246+/-970.579 χ^2/NDF:11.8/9

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 3721.386+/-1027.343 χ^2/NDF:15.4/7

Left: 3226.212+/-705.517 χ^2/NDF: 27.6/17

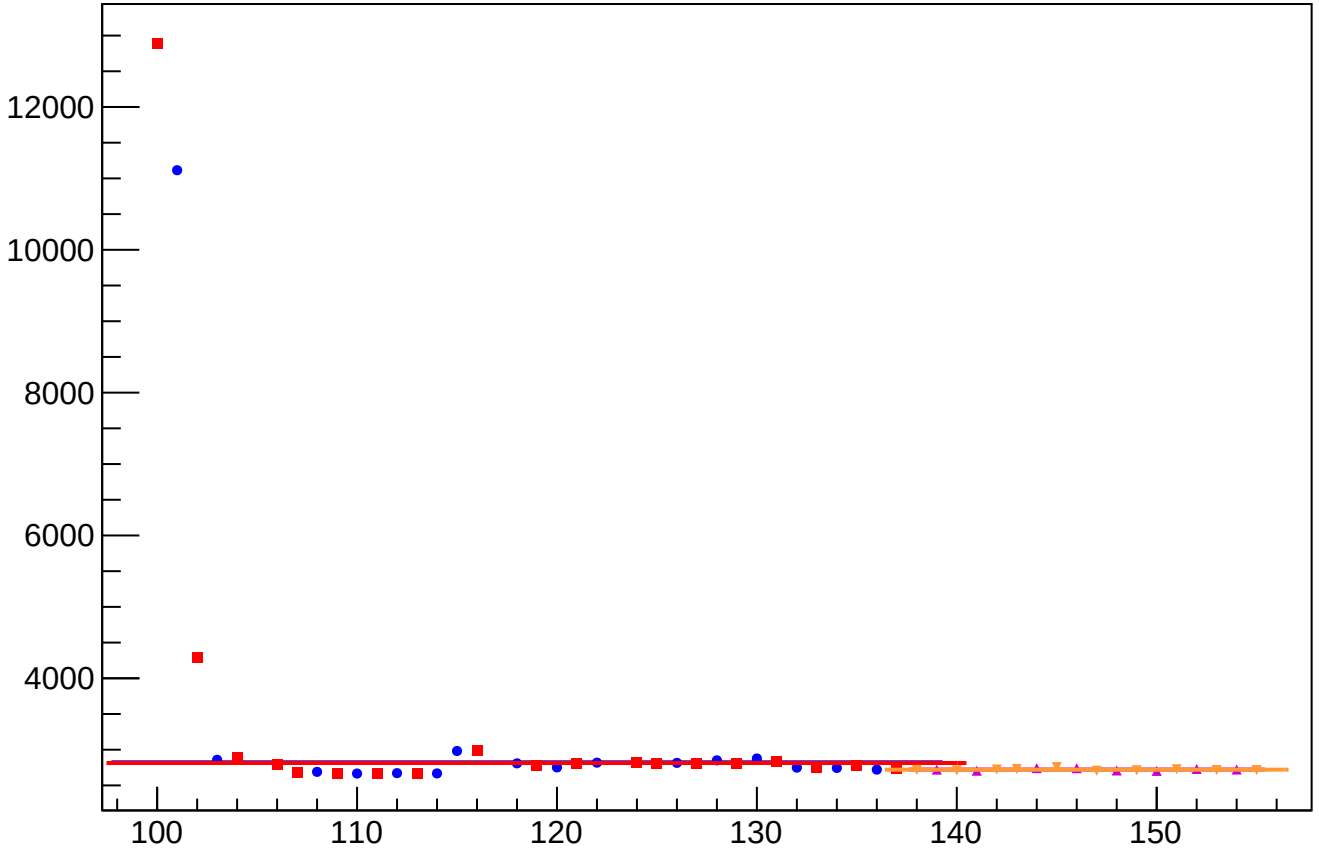
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2937.049+/-743.436 χ^2/NDF:34.5/23

Out: 2725.748+/-712.687 χ^2/NDF:21.7/28

All: 2826.938+/-514.473 χ^2/NDF: 56.2/52

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2720.375+/-0.686 χ^2/NDF:404.1/9

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2722.210+/-0.726 χ^2/NDF:387.7/7

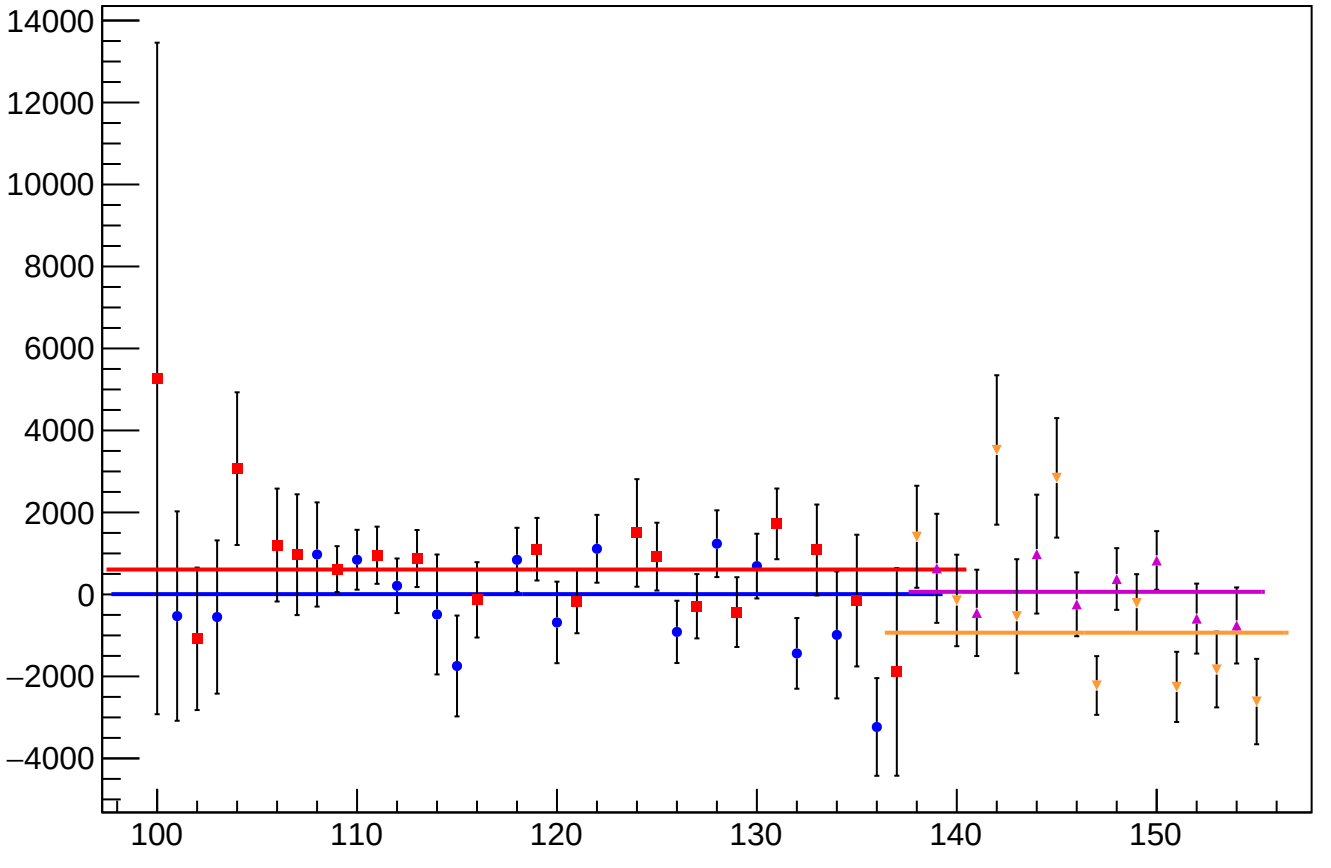
Left: 2721.240+/-0.499 χ^2/NDF: 795.2/17

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2770.433+/-0.526 χ^2/NDF:753554.9/23

Out: 2763.437+/-0.504 χ^2/NDF:209459.3/28

All: 2766.787+/-0.364 χ^2/NDF: 963106.5/52



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -933.303+/-313.763 χ^2/NDF:27.0/9

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 63.103+/-318.587 χ^2/NDF:3.7/7

Left: -442.700+/-223.550 χ^2/NDF: 35.7/17

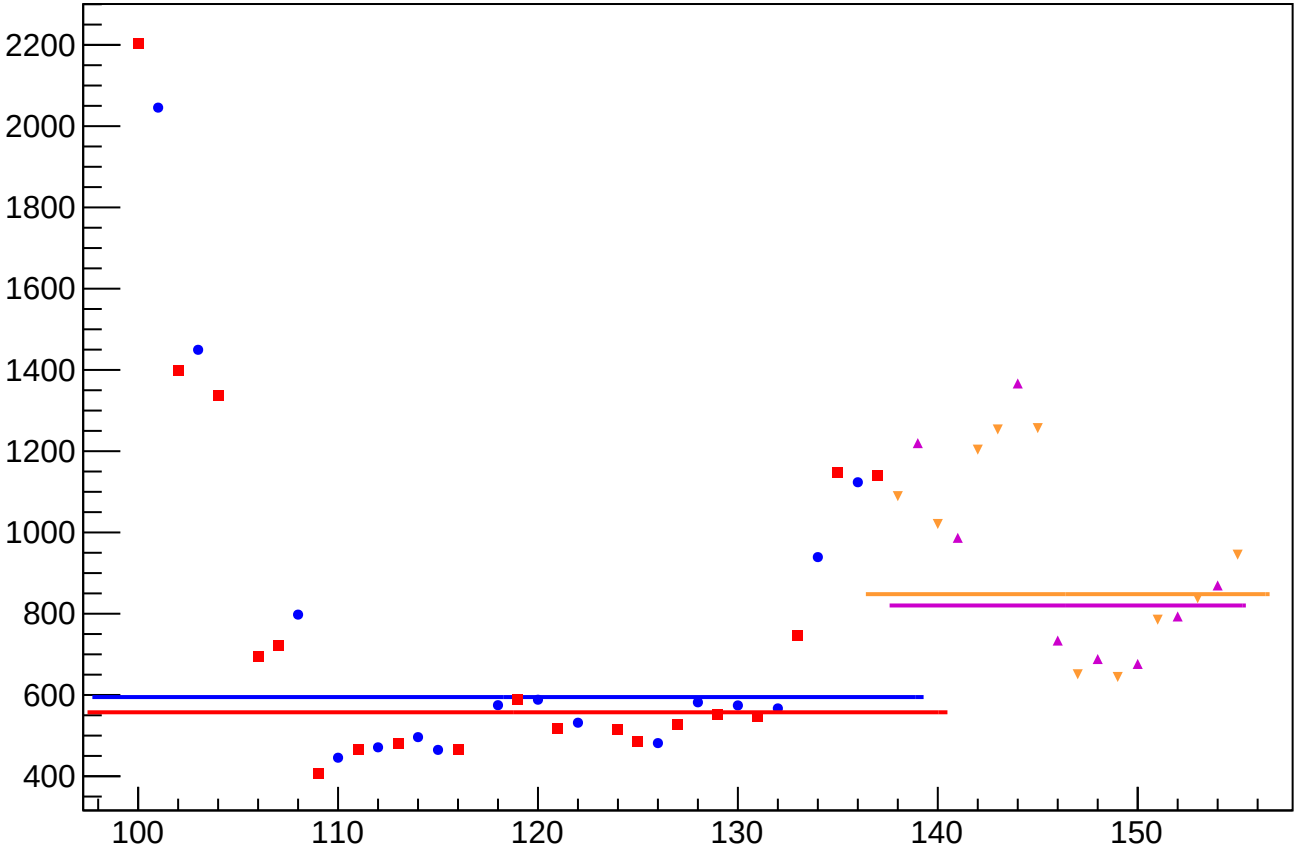
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 27.067+/-190.389 χ^2/NDF:26.5/23

Out: 108.774+/-178.526 χ^2/NDF:55.5/28

All: 70.545+/-130.229 χ^2/NDF: 82.1/52

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 848.154+/-0.222 χ^2/NDF:873444.5/9

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 820.266+/-0.225 χ^2/NDF:689262.6/7

Left: 834.423+/-0.158 χ^2/NDF: 1570486.3/17

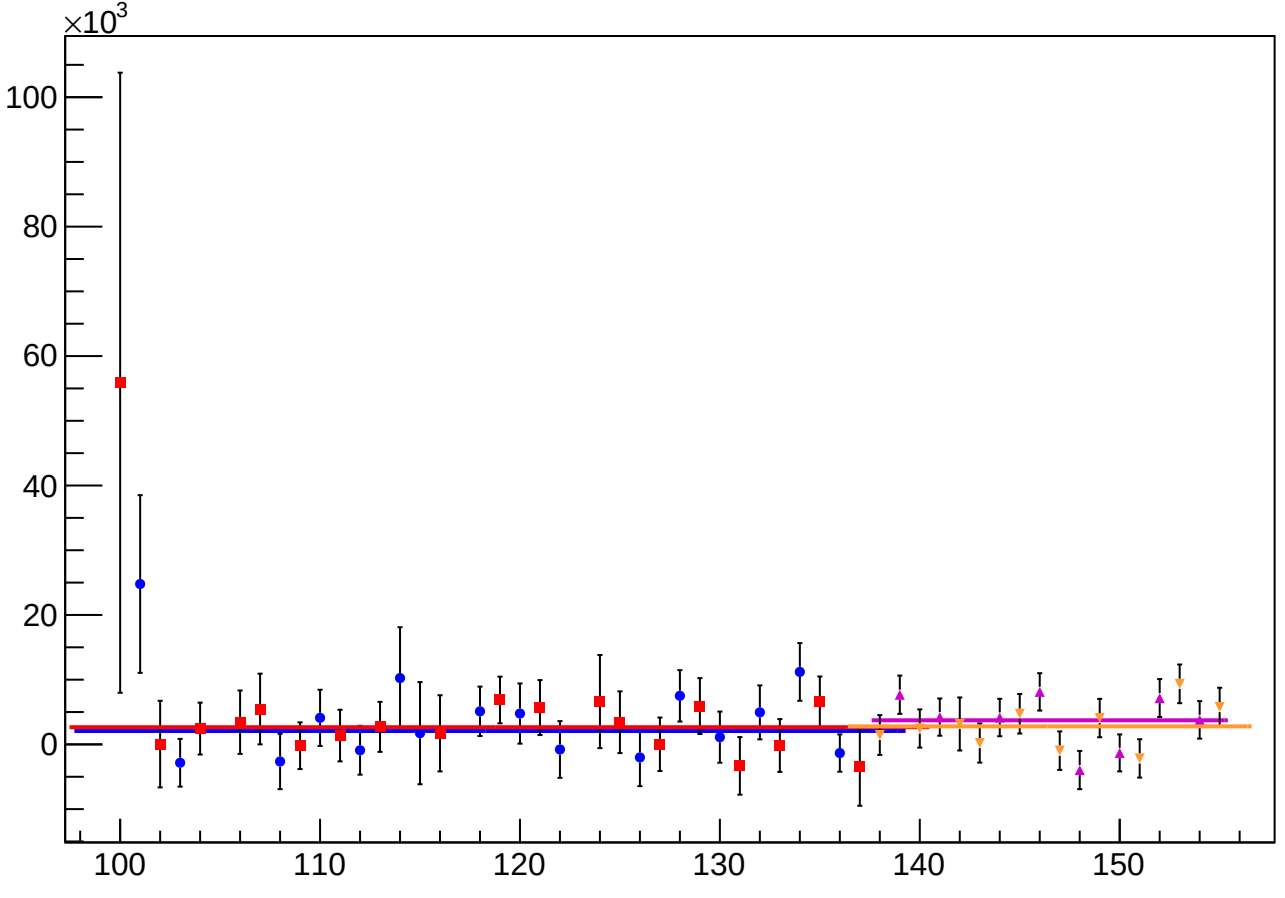
Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 675.358+/-0.135 χ^2/NDF:3185550.5/23

Out: 651.528+/-0.126 χ^2/NDF:3666197.0/28

All: 662.678+/-0.092 χ^2/NDF: 6868421.2/52

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2784.246+/-970.579 χ^2/NDF:11.8/9

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 3721.387+/-1027.343 χ^2/NDF:15.4/7

Left: 3226.212+/-705.517 χ^2/NDF: 27.6/17

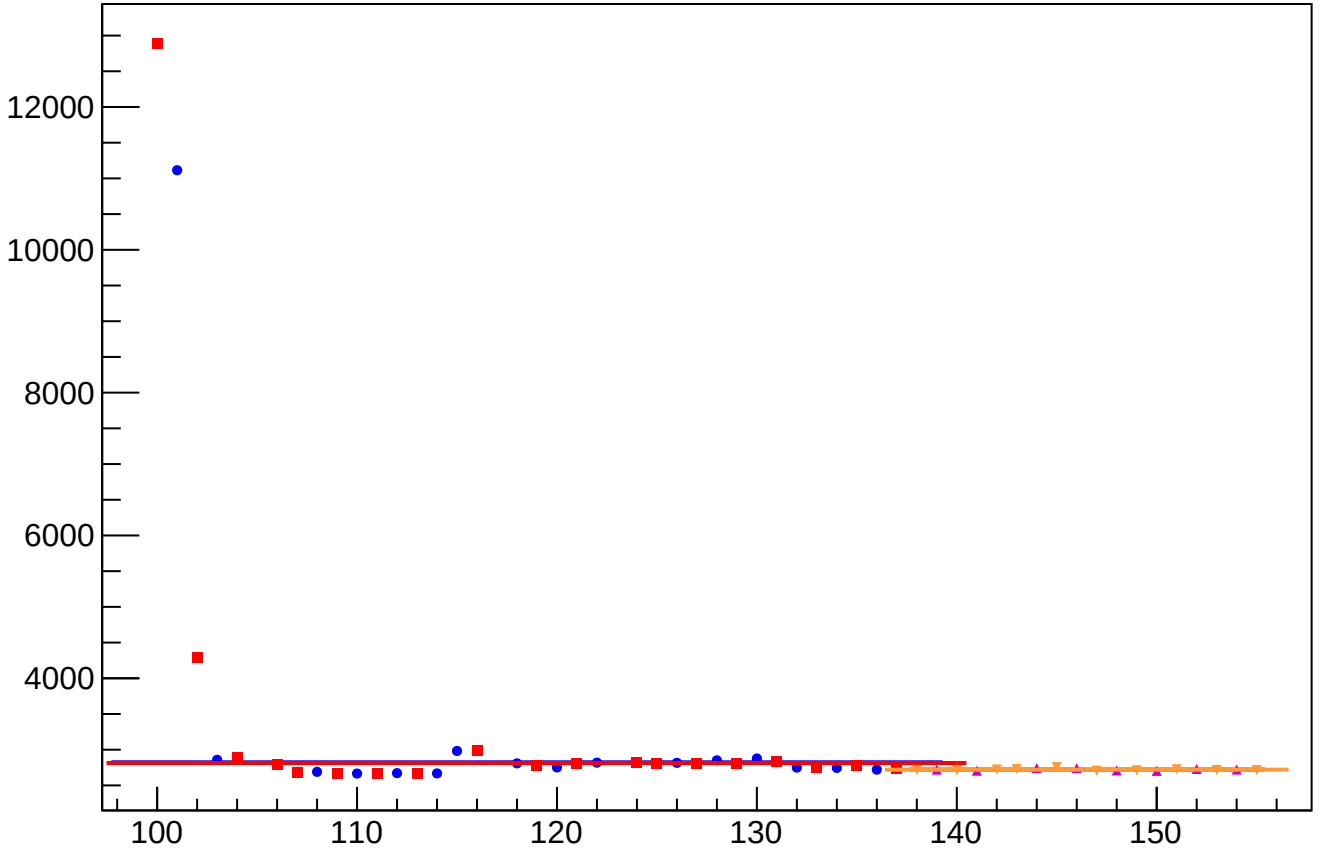
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2937.049+/-743.436 χ^2/NDF:34.5/23

Out: 2725.747+/-712.687 χ^2/NDF:21.7/28

All: 2826.938+/-514.473 χ^2/NDF: 56.2/52

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2720.375+/-0.686 χ^2/NDF:404.1/9

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2722.210+/-0.726 χ^2/NDF:387.7/7

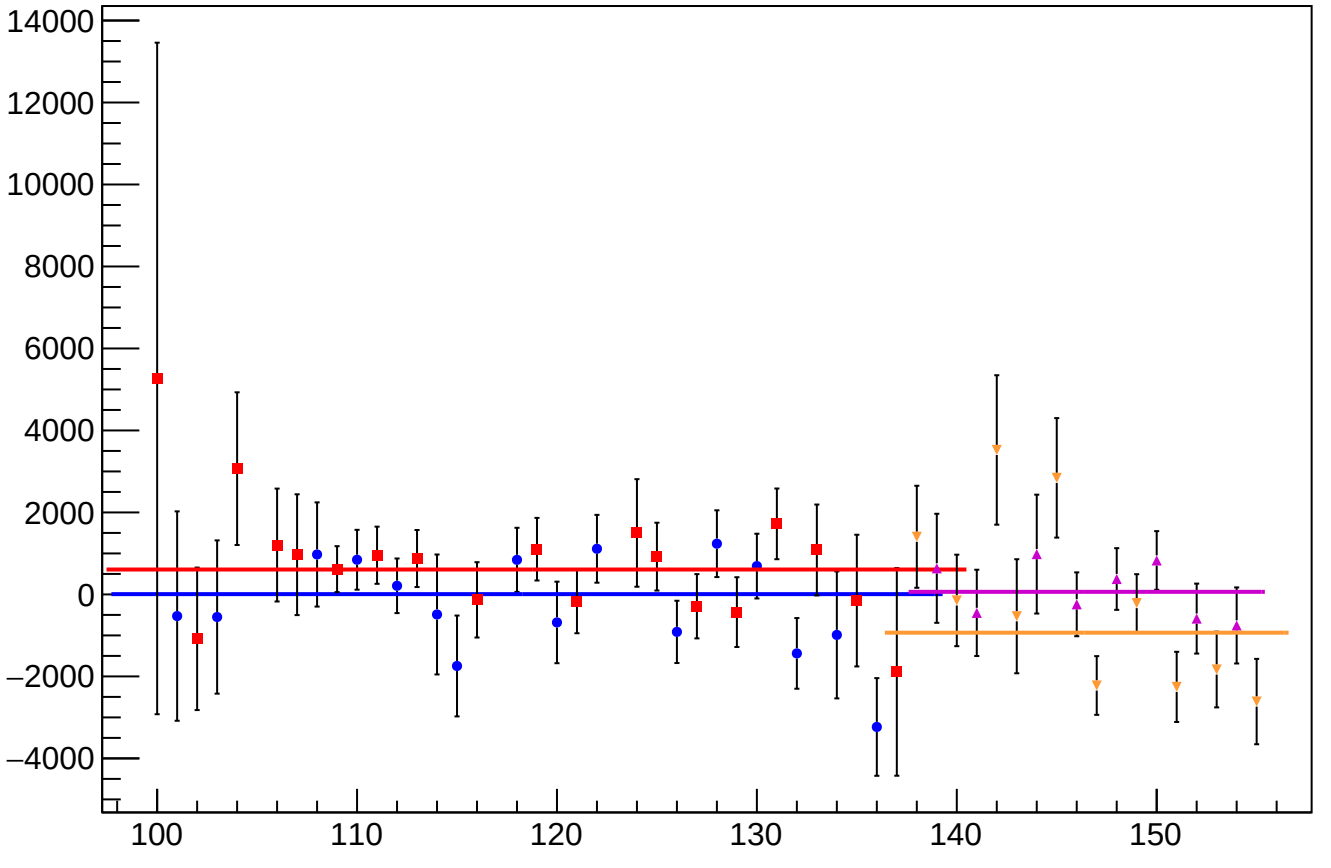
Left: 2721.240+/-0.499 χ^2/NDF: 795.2/17

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2770.433+/-0.526 χ^2/NDF:753554.9/23

Out: 2763.436+/-0.504 χ^2/NDF:209459.1/28

All: 2766.787+/-0.364 χ^2/NDF: 963106.3/52



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -933.304+/-313.763 χ^2/NDF:27.0/9

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 63.104+/-318.587 χ^2/NDF:3.7/7

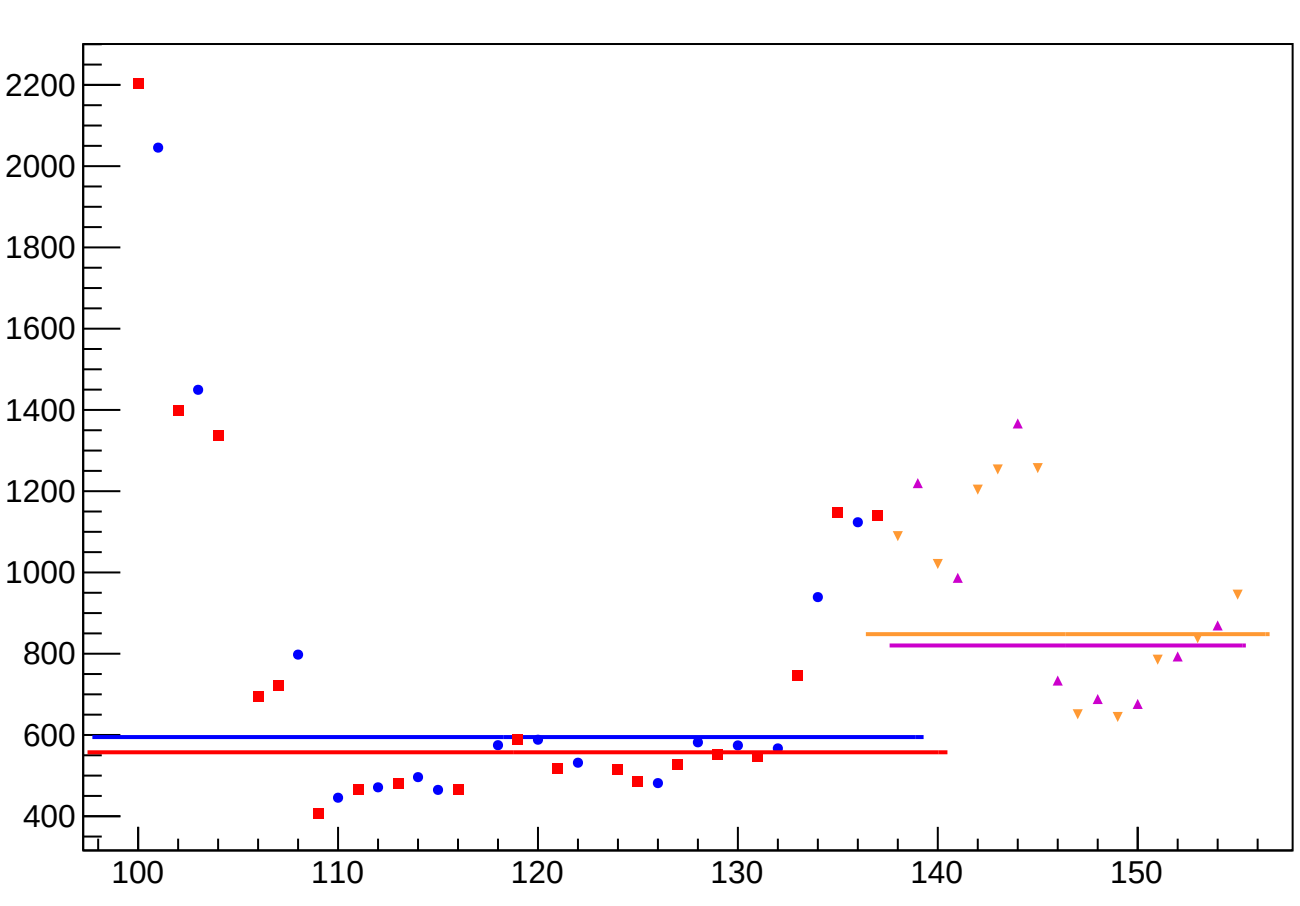
Left: -442.701+/-223.550 χ^2/NDF: 35.7/17

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 27.068+/-190.389 χ^2/NDF:26.5/23

Out: 108.773+/-178.526 χ^2/NDF:55.5/28

All: 70.545+/-130.229 χ^2/NDF: 82.1/52



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 848.154+/-0.222 χ^2/NDF:873445.1/9

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 820.267+/-0.225 χ^2/NDF:689262.6/7

Left: 834.423+/-0.158 χ^2/NDF: 1570486.8/17

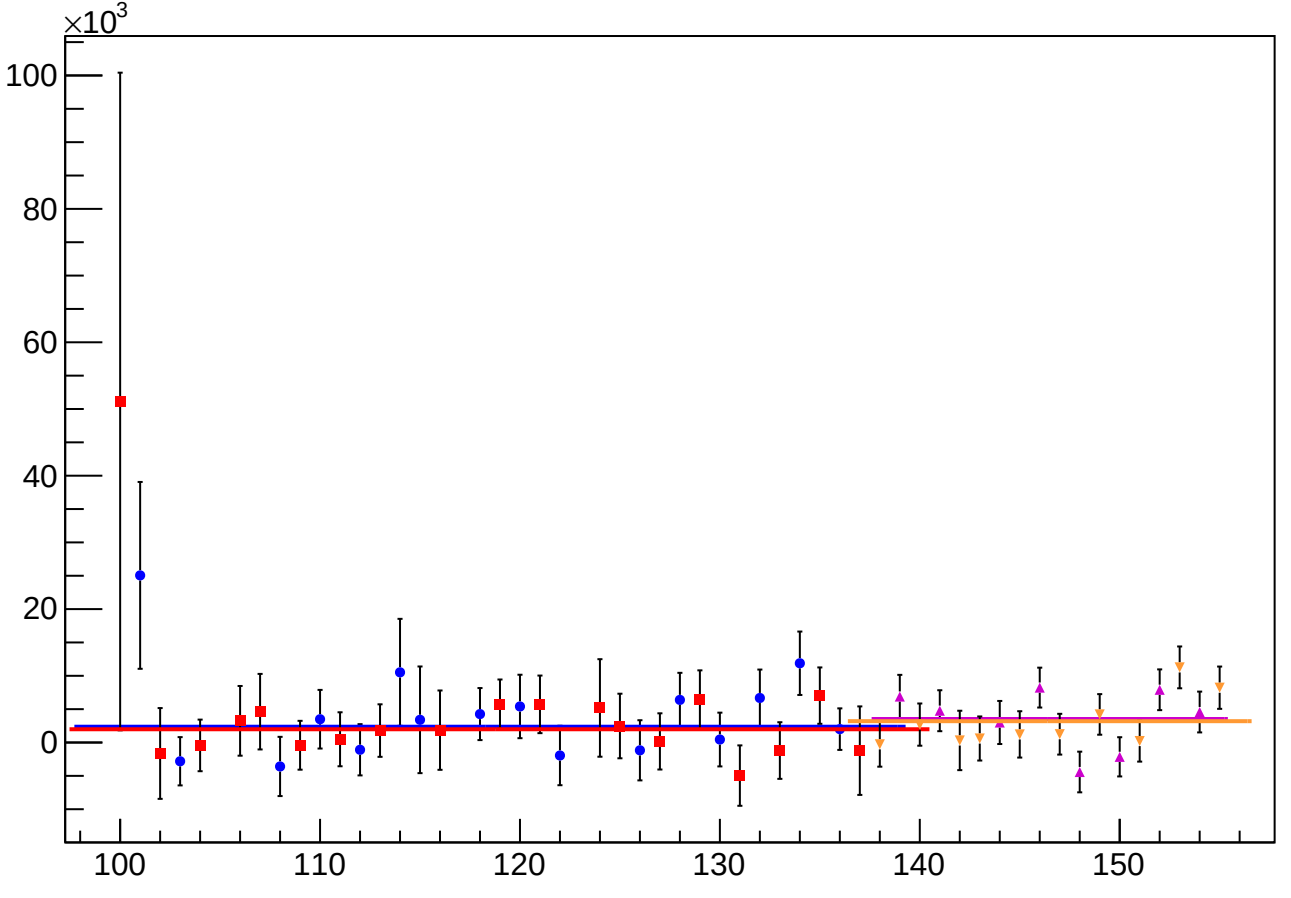
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 675.359+/-0.135 χ^2/NDF:3185544.1/23

Out: 651.528+/-0.126 χ^2/NDF:3666195.5/28

All: 662.678+/-0.092 χ^2/NDF: 6868413.6/52

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3197.373+/-1034.045 χ^2/NDF:13.0/9

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 3522.846+/-1087.217 χ^2/NDF:16.4/7

Left: 3351.957+/-749.273 χ^2/NDF: 29.5/17

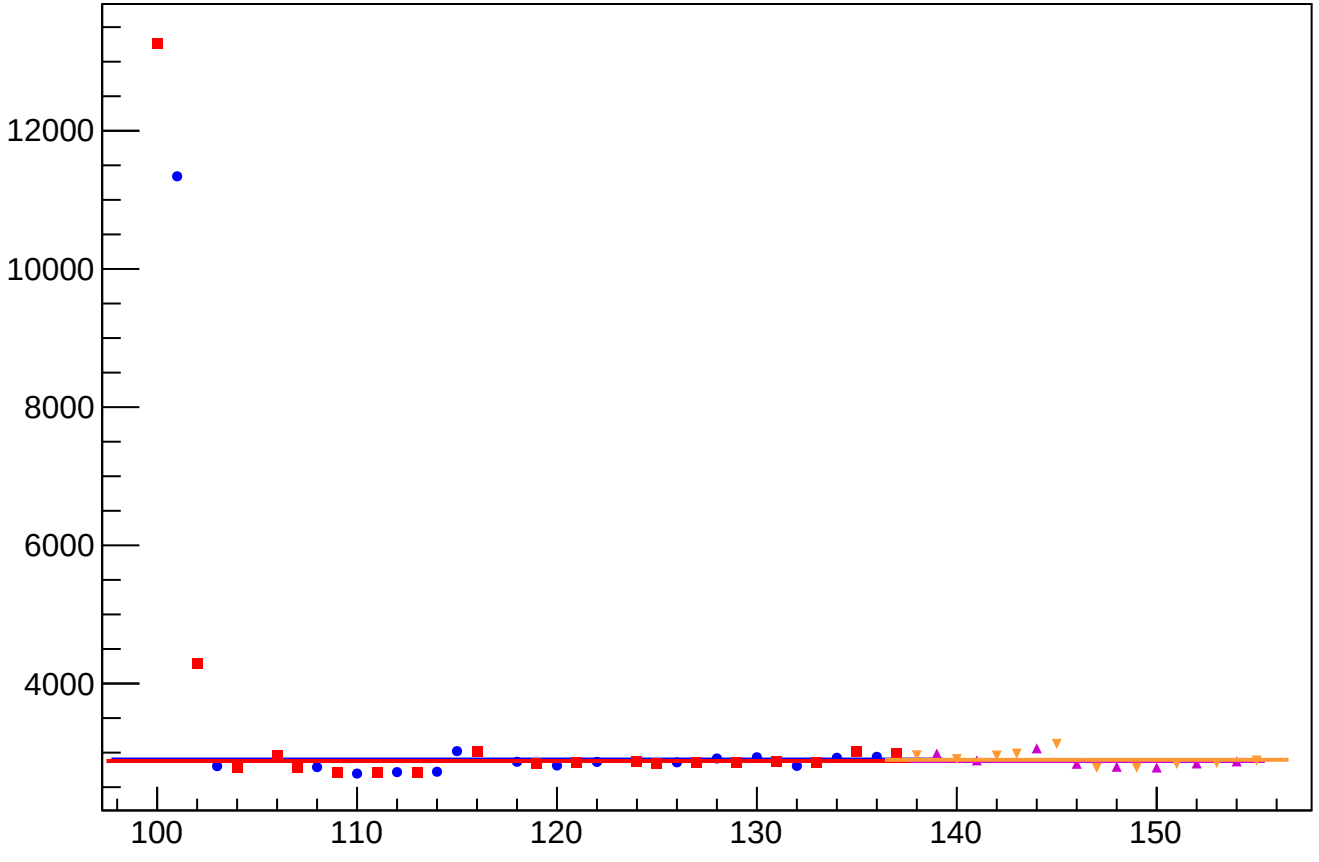
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2955.012+/-775.404 χ^2/NDF:33.8/23

Out: 2615.875+/-745.342 χ^2/NDF:24.0/28

All: 2778.742+/-537.350 χ^2/NDF: 57.9/52

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2895.941+/-0.731 χ^2/NDF:18347.4/9

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2879.202+/-0.769 χ^2/NDF:12873.4/7

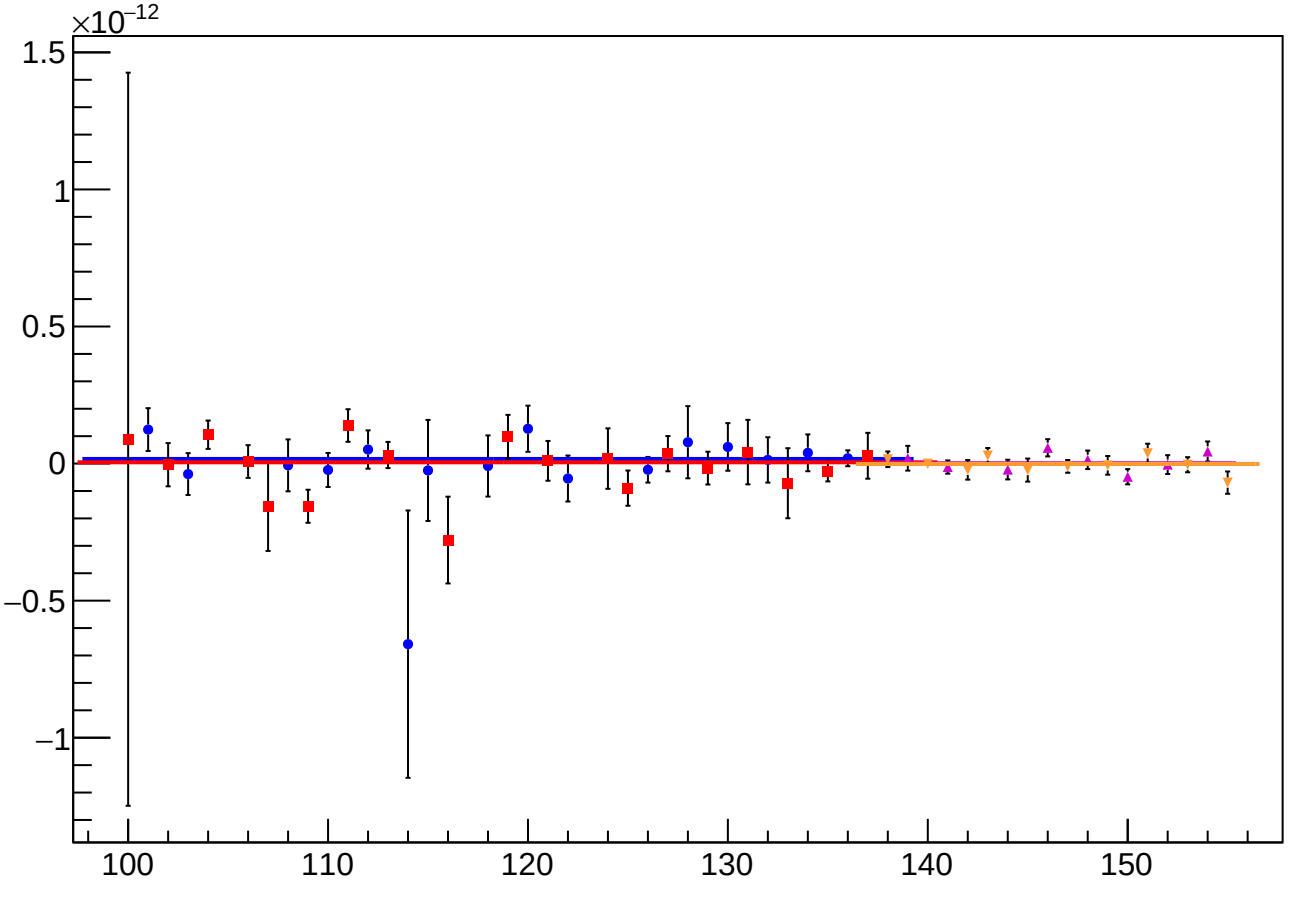
Left: 2887.991+/-0.530 χ^2/NDF: 31469.8/17

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2889.336+/-0.548 χ^2/NDF:755045.2/23

Out: 2887.781+/-0.527 χ^2/NDF:211889.1/28

All: 2888.528+/-0.380 χ^2/NDF: 966938.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/7

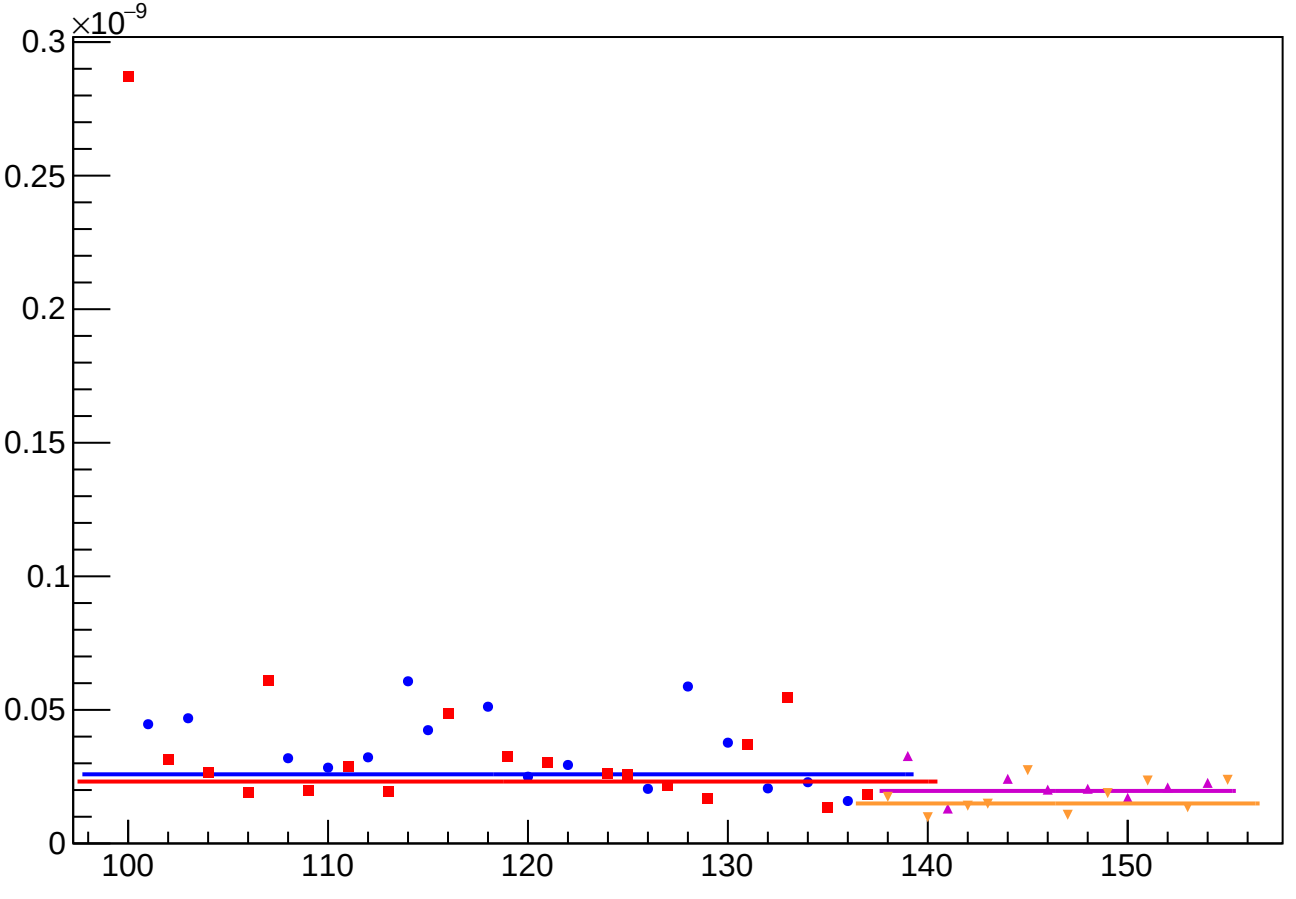
Left: -0.000+/-0.000 χ^2/NDF: 15.3/17

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:18.3/23

Out: 0.000+/-0.000 χ^2/NDF:32.3/28

All: 0.000+/-0.000 χ^2/NDF: 50.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:660694.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:382789.5/7

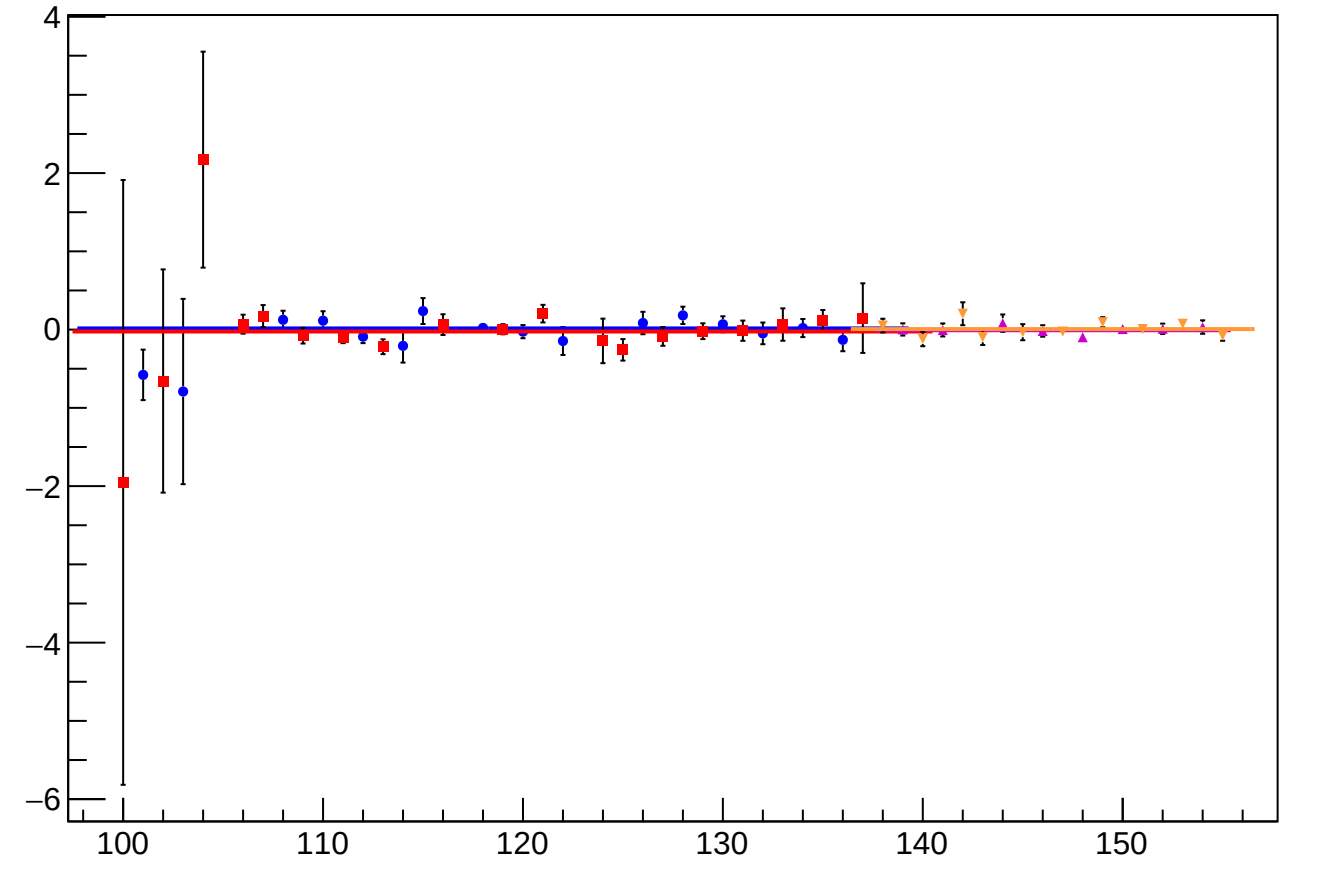
Left: 0.000+/-0.000 χ^2/NDF: 1253121.7/17

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1435441.9/23

Out: 0.000+/-0.000 χ^2/NDF:1760812.8/28

All: 0.000+/-0.000 χ^2/NDF: 3478046.6/52



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.023 χ^2/NDF:10.2/9

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.008+/-0.026 χ^2/NDF:3.0/7

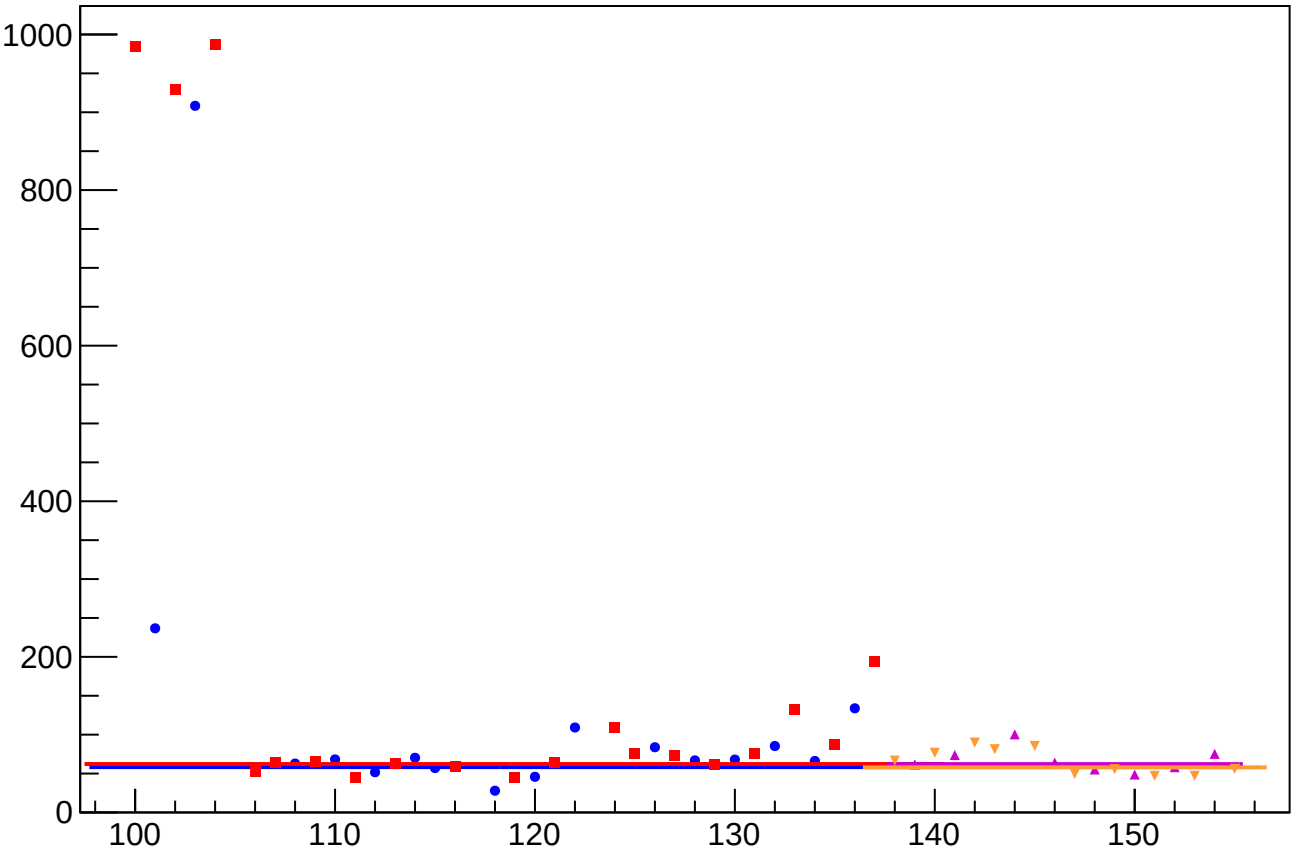
Left: 0.000+/-0.017 χ^2/NDF: 13.4/17

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.003+/-0.019 χ^2/NDF:18.4/23

Out: -0.006+/-0.018 χ^2/NDF:31.7/28

All: -0.002+/-0.013 χ^2/NDF: 50.3/52



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 57.935+/-0.017 χ^2/NDF:636648.2/9

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 62.133+/-0.018 χ^2/NDF:469324.6/7

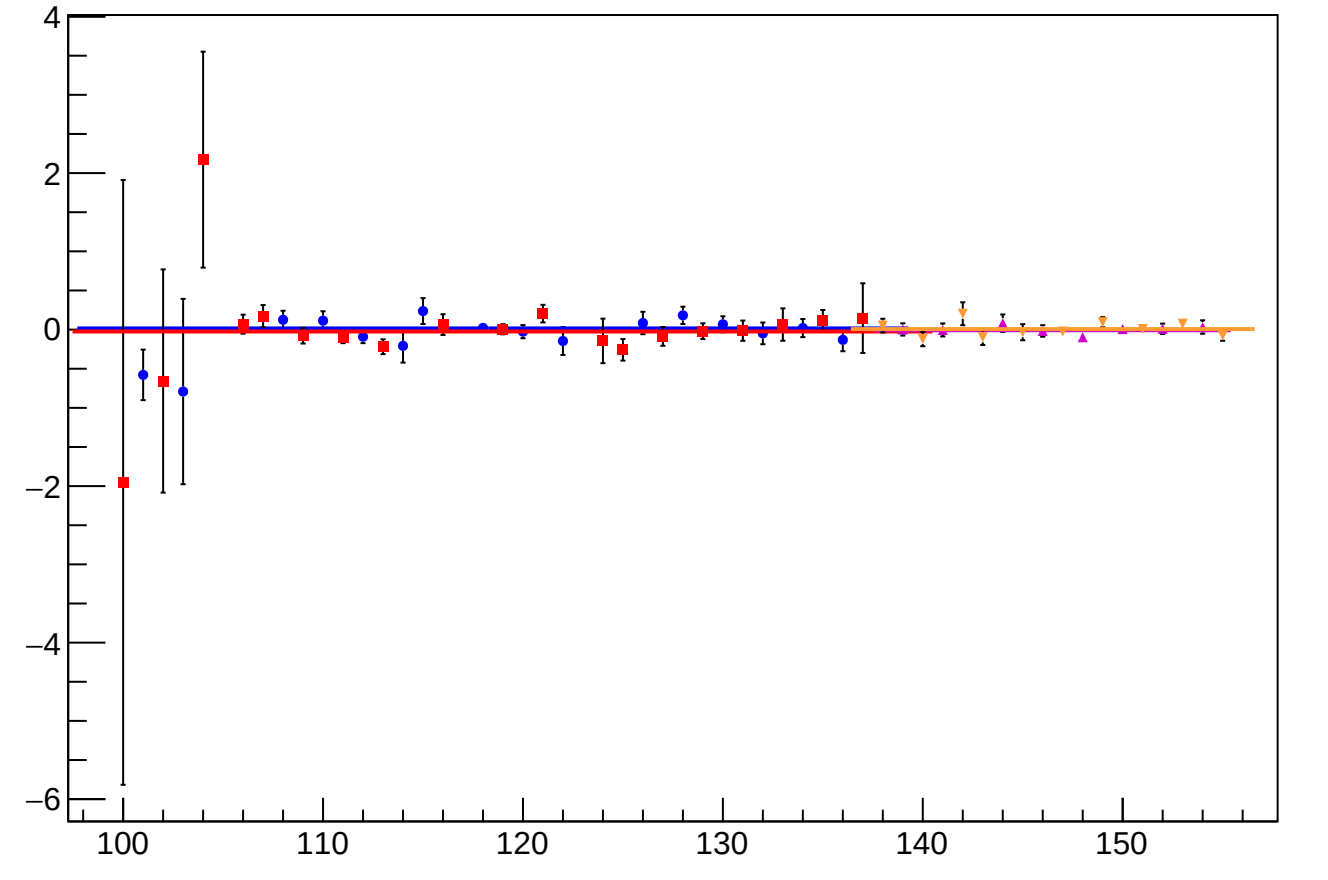
Left: 59.828+/-0.012 χ^2/NDF: 1135102.2/17

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 60.369+/-0.013 χ^2/NDF:3750013.7/23

Out: 59.697+/-0.013 χ^2/NDF:3291462.9/28

All: 60.016+/-0.009 χ^2/NDF: 7042804.7/52



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.023 χ^2/NDF:10.2/9

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.008+/-0.026 χ^2/NDF:3.0/7

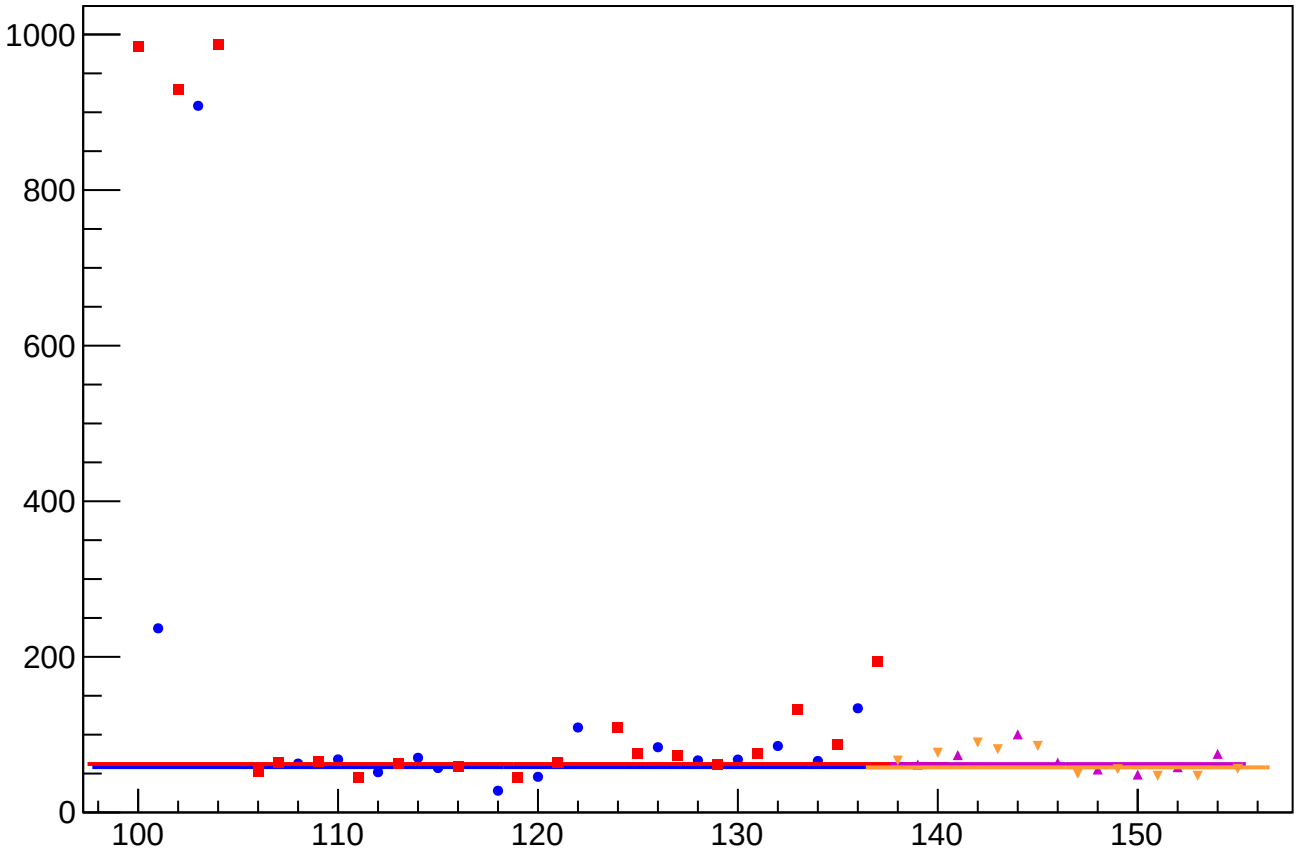
Left: 0.000+/-0.017 χ^2/NDF: 13.4/17

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.003+/-0.019 χ^2/NDF:18.4/23

Out: -0.006+/-0.018 χ^2/NDF:31.7/28

All: -0.002+/-0.013 χ^2/NDF: 50.3/52



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 57.935+/-0.017 χ^2/NDF:636648.2/9

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 62.133+/-0.018 χ^2/NDF:469324.6/7

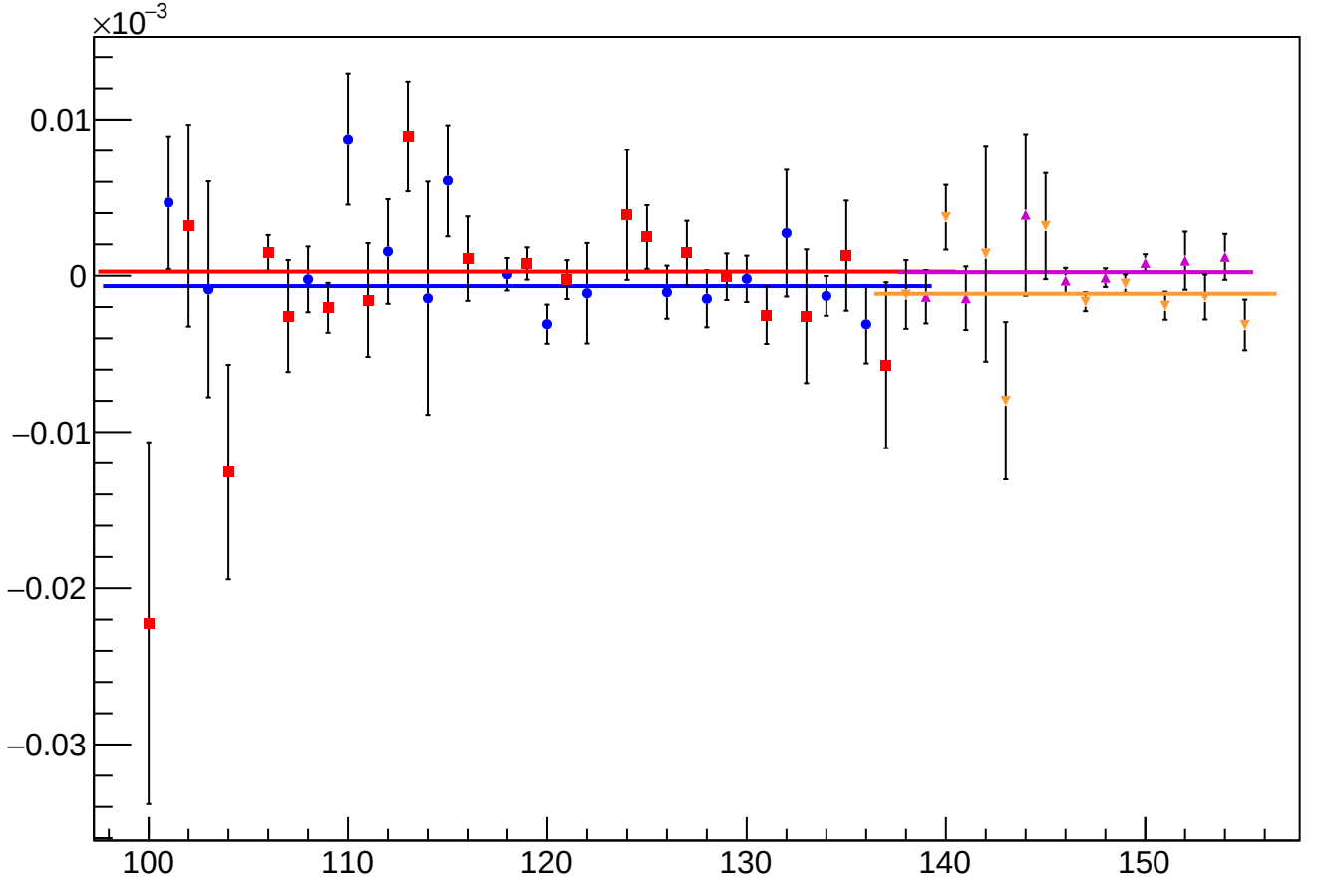
Left: 59.828+/-0.012 χ^2/NDF: 1135102.2/17

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 60.369+/-0.013 χ^2/NDF:3750013.7/23

Out: 59.697+/-0.013 χ^2/NDF:3291462.9/28

All: 60.016+/-0.009 χ^2/NDF: 7042804.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/7

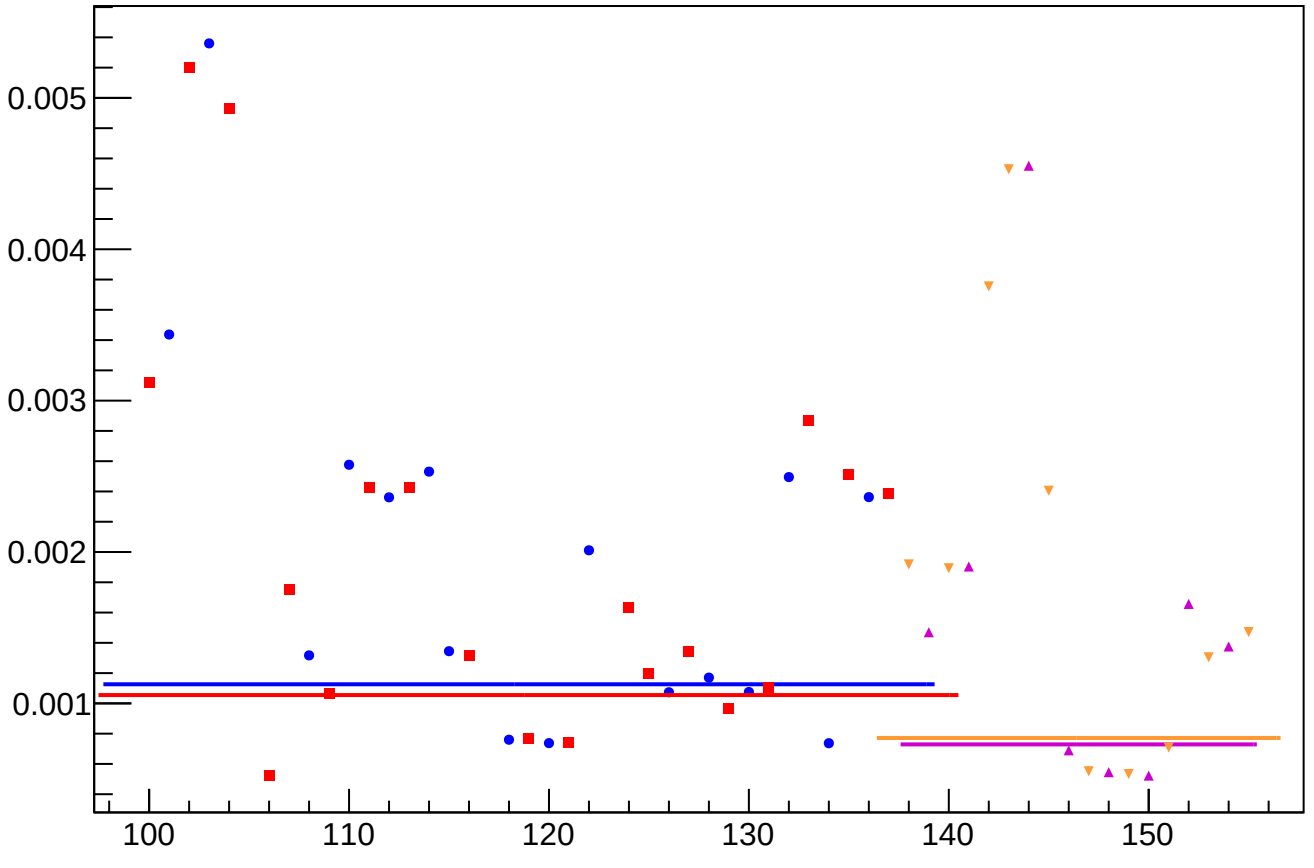
Left: -0.000+/-0.000 χ^2/NDF: 26.1/17

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:24.0/23

Out: -0.000+/-0.000 χ^2/NDF:43.9/28

All: -0.000+/-0.000 χ^2/NDF: 70.2/52



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:4337303.9/9

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:3502187.3/7

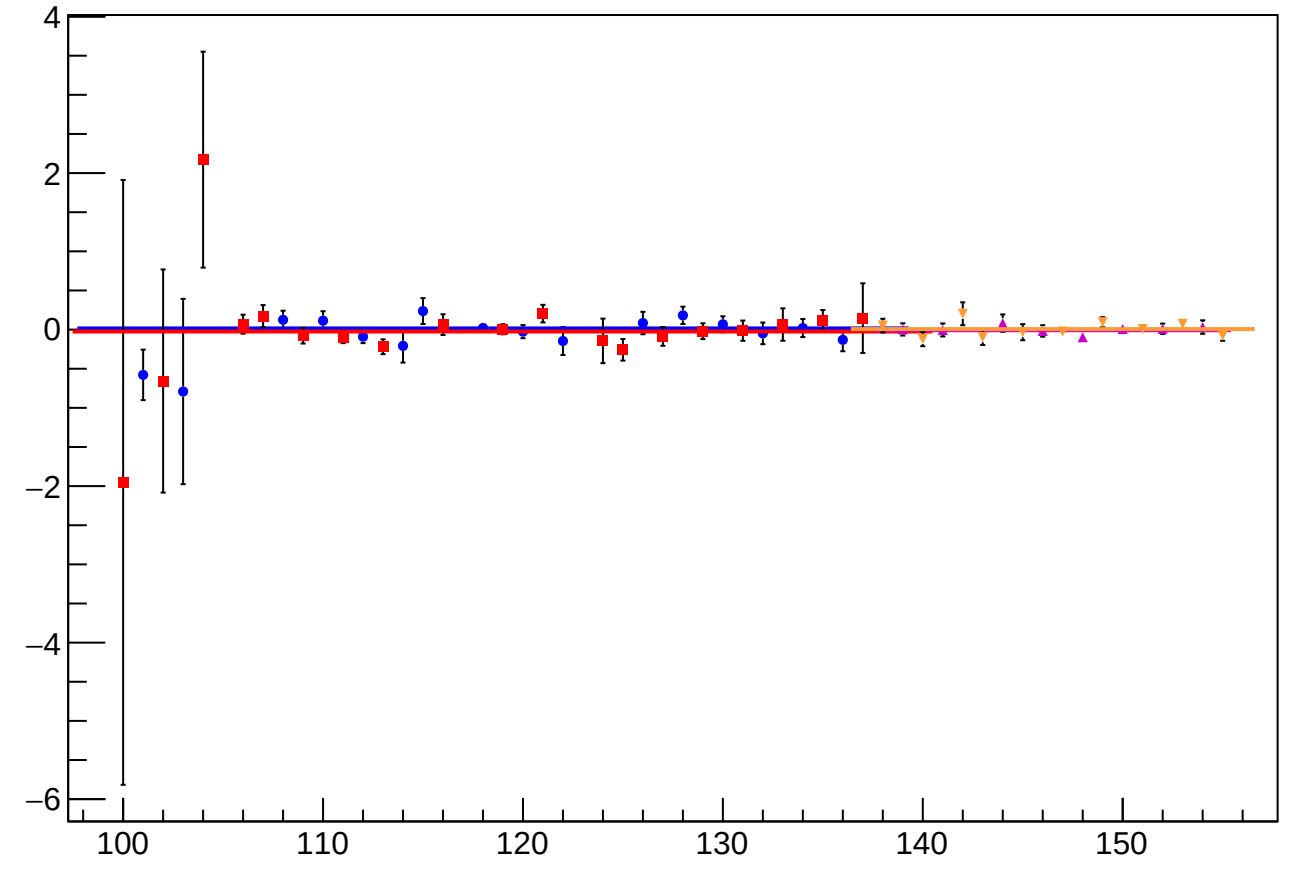
Left: 0.001+/-0.000 χ^2/NDF: 7855068.8/17

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:7853086.5/23

Out: 0.001+/-0.000 χ^2/NDF:8664556.1/28

All: 0.001+/-0.000 χ^2/NDF: 16521809.9/52



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.006+/-0.023 χ^2/NDF:10.2/9

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.008+/-0.026 χ^2/NDF:3.0/7

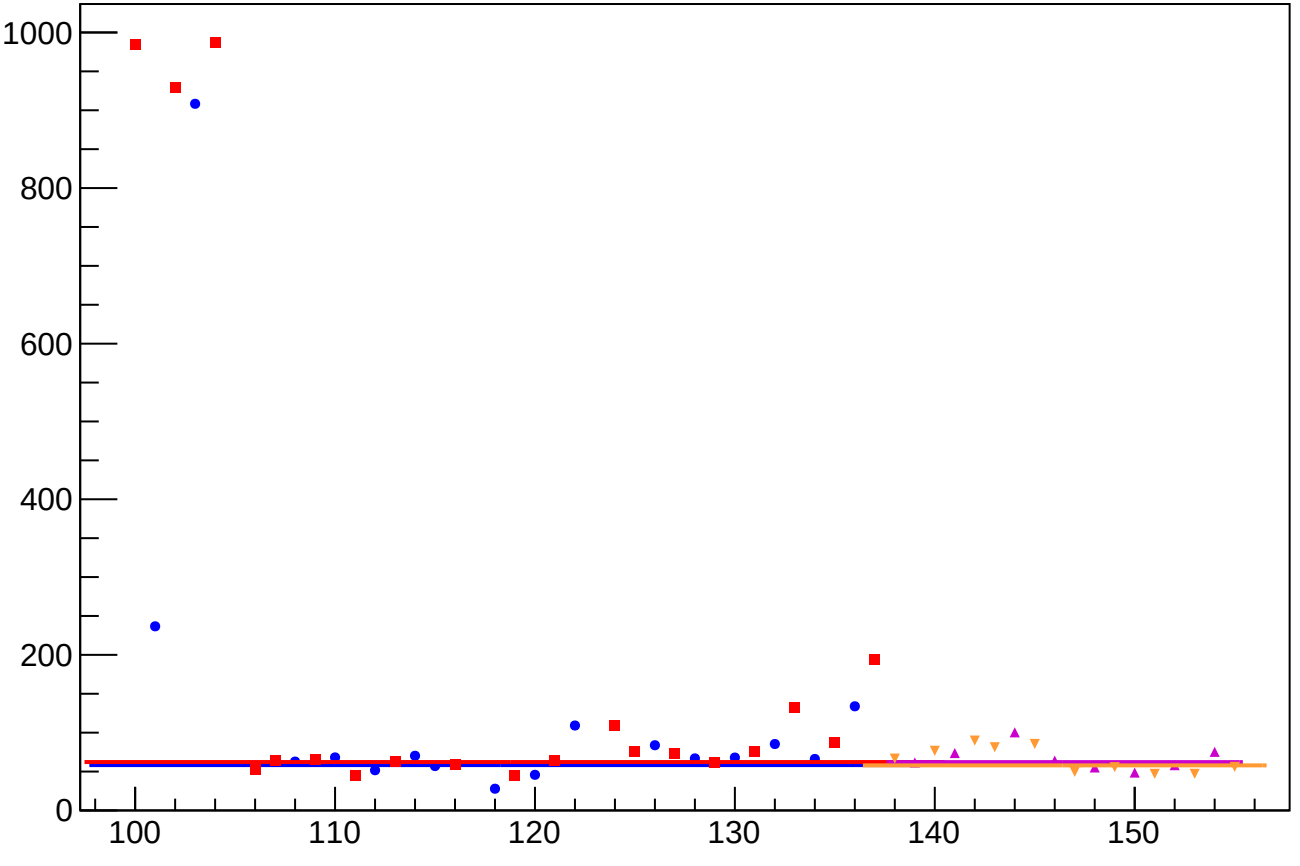
Left: 0.000+/-0.017 χ^2/NDF: 13.4/17

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.003+/-0.019 χ^2/NDF:18.4/23

Out: -0.006+/-0.018 χ^2/NDF:31.7/28

All: -0.002+/-0.013 χ^2/NDF: 50.3/52



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 57.935+/-0.017 χ^2/NDF:636640.3/9

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 62.133+/-0.018 χ^2/NDF:469341.5/7

Left: 59.828+/-0.012 χ^2/NDF: 1135117.4/17

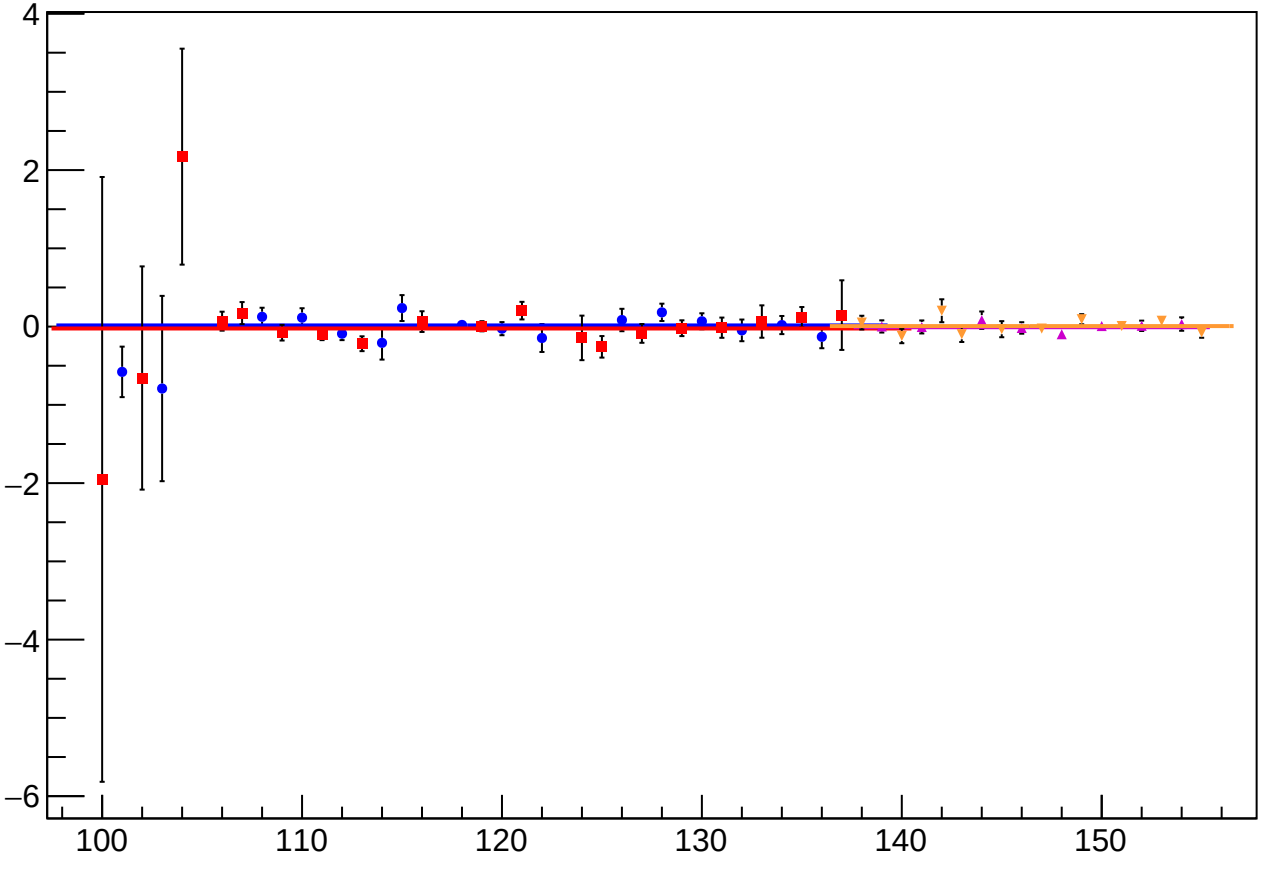
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 60.369+/-0.013 χ^2/NDF:3750121.5/23

Out: 59.697+/-0.013 χ^2/NDF:3291448.5/28

All: 60.015+/-0.009 χ^2/NDF: 7042897.7/52

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: 0.006+/-0.023 χ^2/NDF:10.2/9

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.008+/-0.026 χ^2/NDF:3.0/7

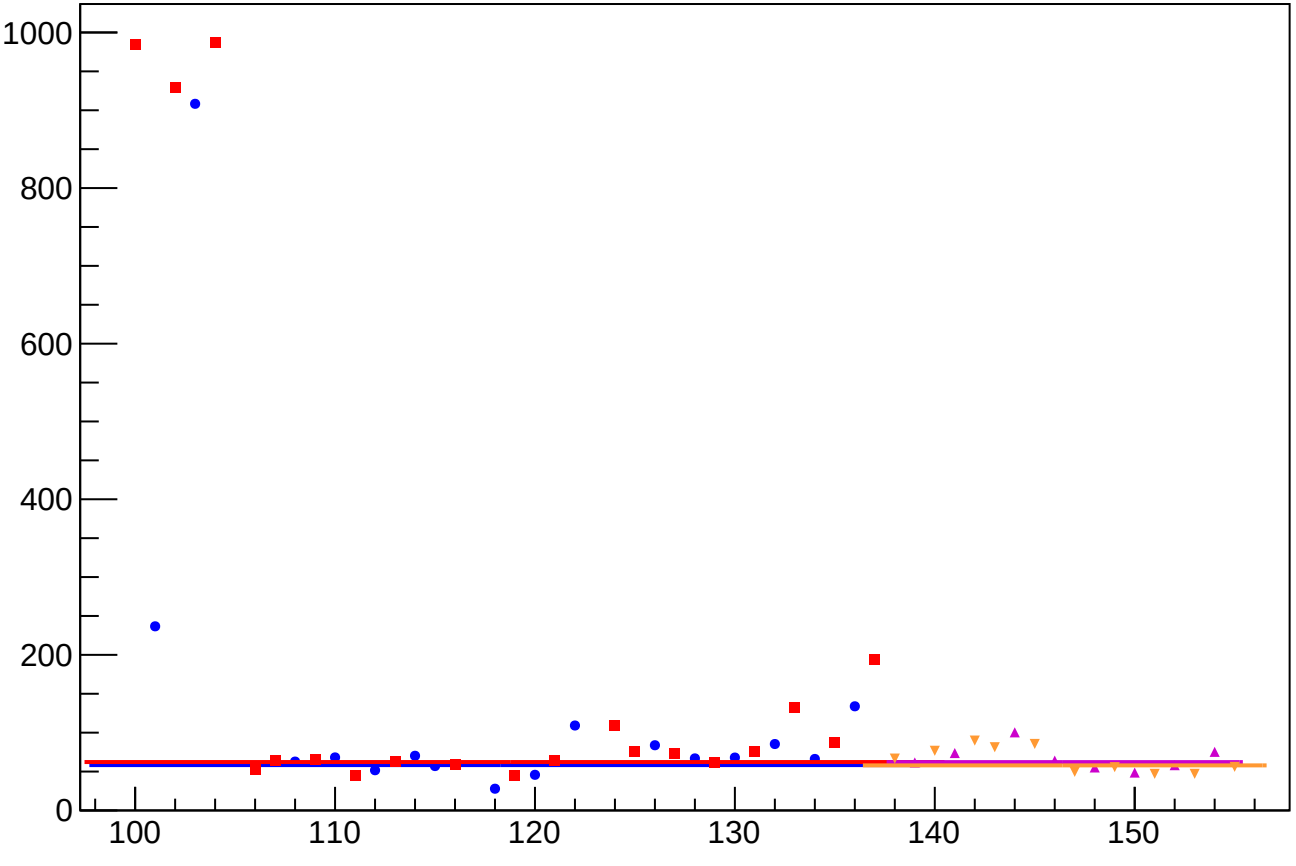
Left: 0.000+/-0.017 χ^2/NDF: 13.4/17

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.003+/-0.019 χ^2/NDF:18.4/23

Out: -0.006+/-0.018 χ^2/NDF:31.7/28

All: -0.002+/-0.013 χ^2/NDF: 50.3/52



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 57.935+/-0.017 χ^2/NDF:636640.3/9

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 62.133+/-0.018 χ^2/NDF:469341.5/7

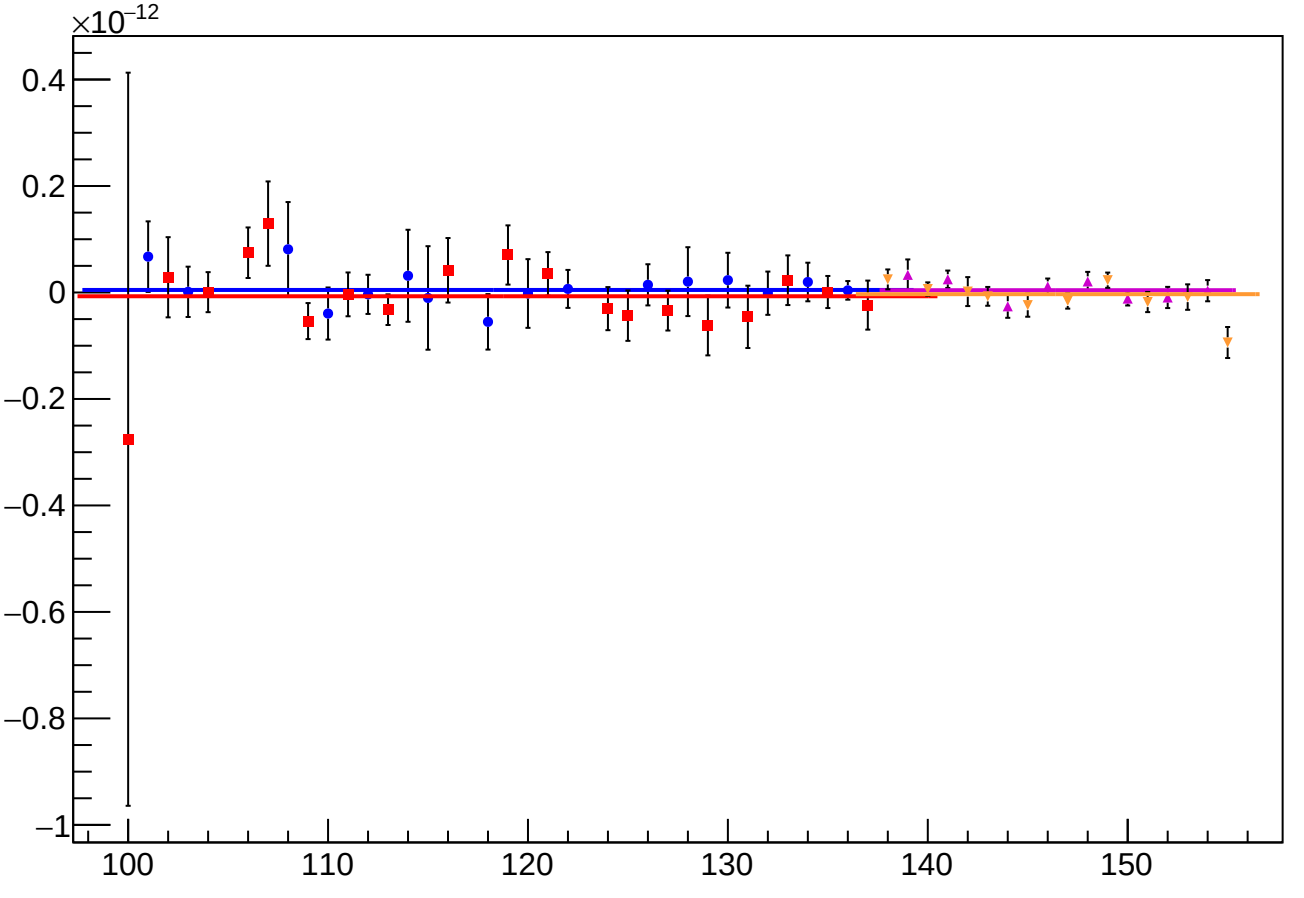
Left: 59.828+/-0.012 χ^2/NDF: 1135117.4/17

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 60.369+/-0.013 χ^2/NDF:3750121.5/23

Out: 59.697+/-0.013 χ^2/NDF:3291448.5/28

All: 60.015+/-0.009 χ^2/NDF: 7042897.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.3/9

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/7

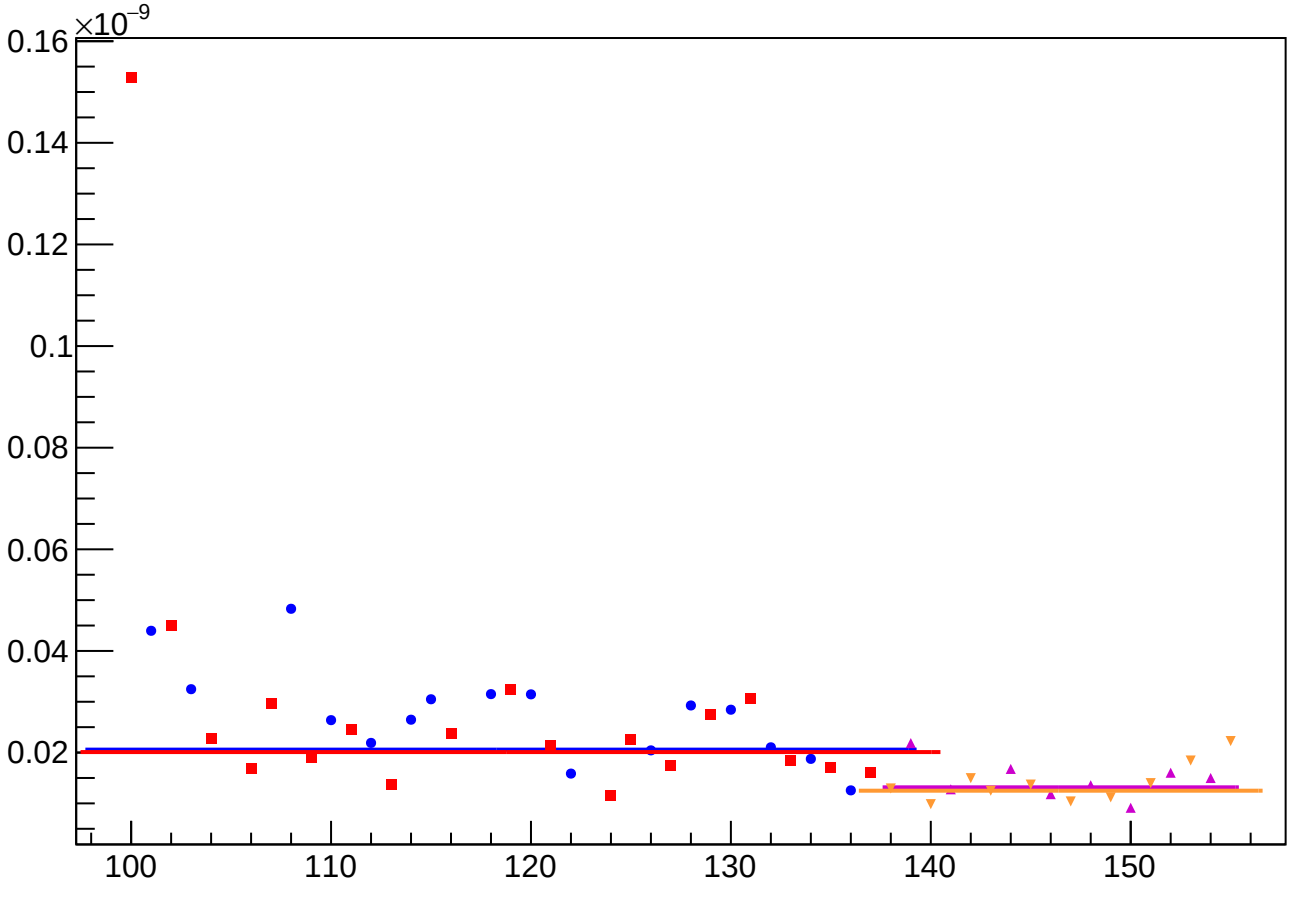
Left: 0.000+/-0.000 χ^2/NDF: 26.6/17

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:12.0/23

Out: -0.000+/-0.000 χ^2/NDF:34.5/28

All: -0.000+/-0.000 χ^2/NDF: 47.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:531779.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:506863.2/7

Left: 0.000+/-0.000 χ^2/NDF: 1050970.8/17

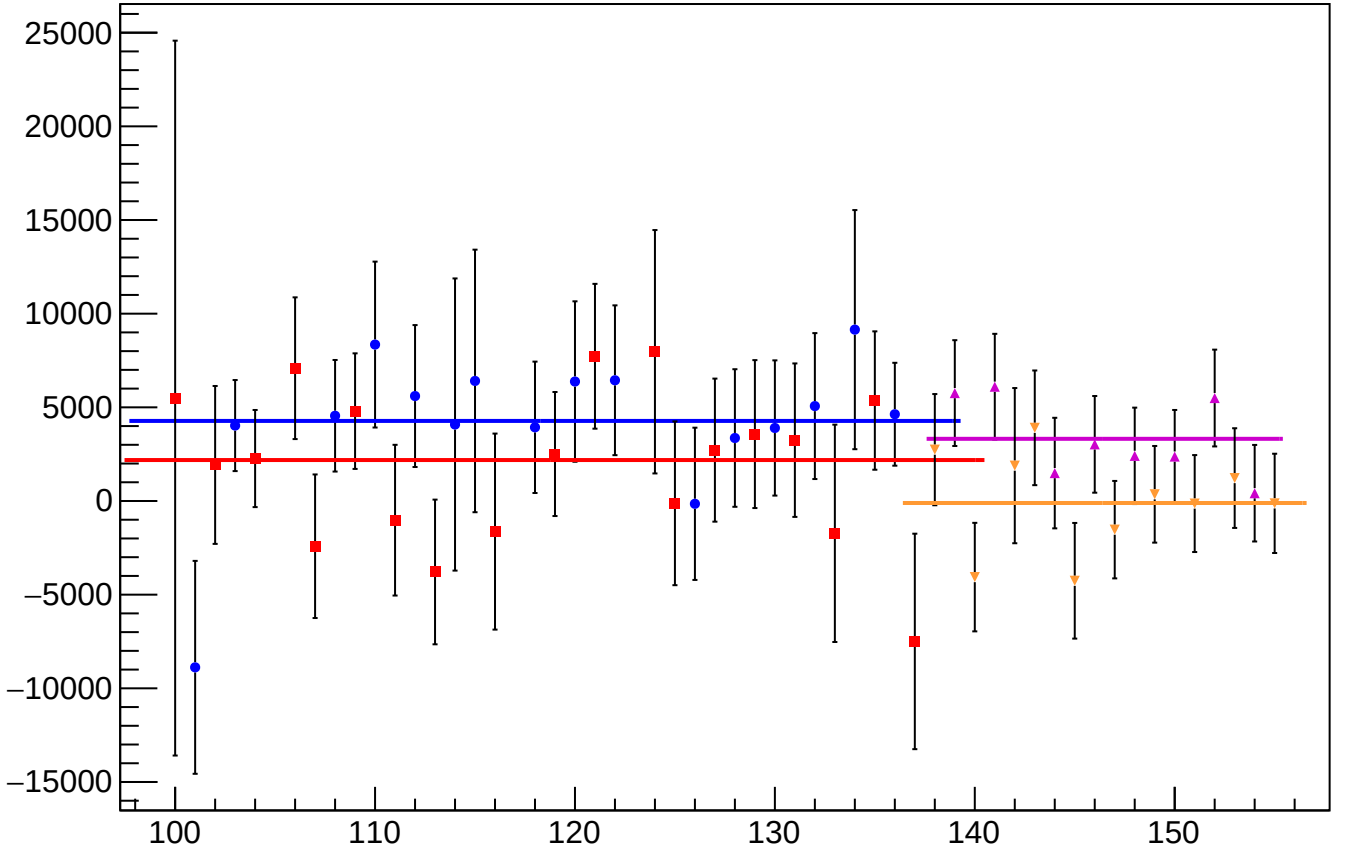
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:2590994.1/23

Out: 0.000+/-0.000 χ^2/NDF:2203236.2/28

All: 0.000+/-0.000 χ^2/NDF: 4821779.8/52

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -106.265+/-900.308 χ^2/NDF:7.1/9

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3319.261+/-941.055 χ^2/NDF:4.4/7

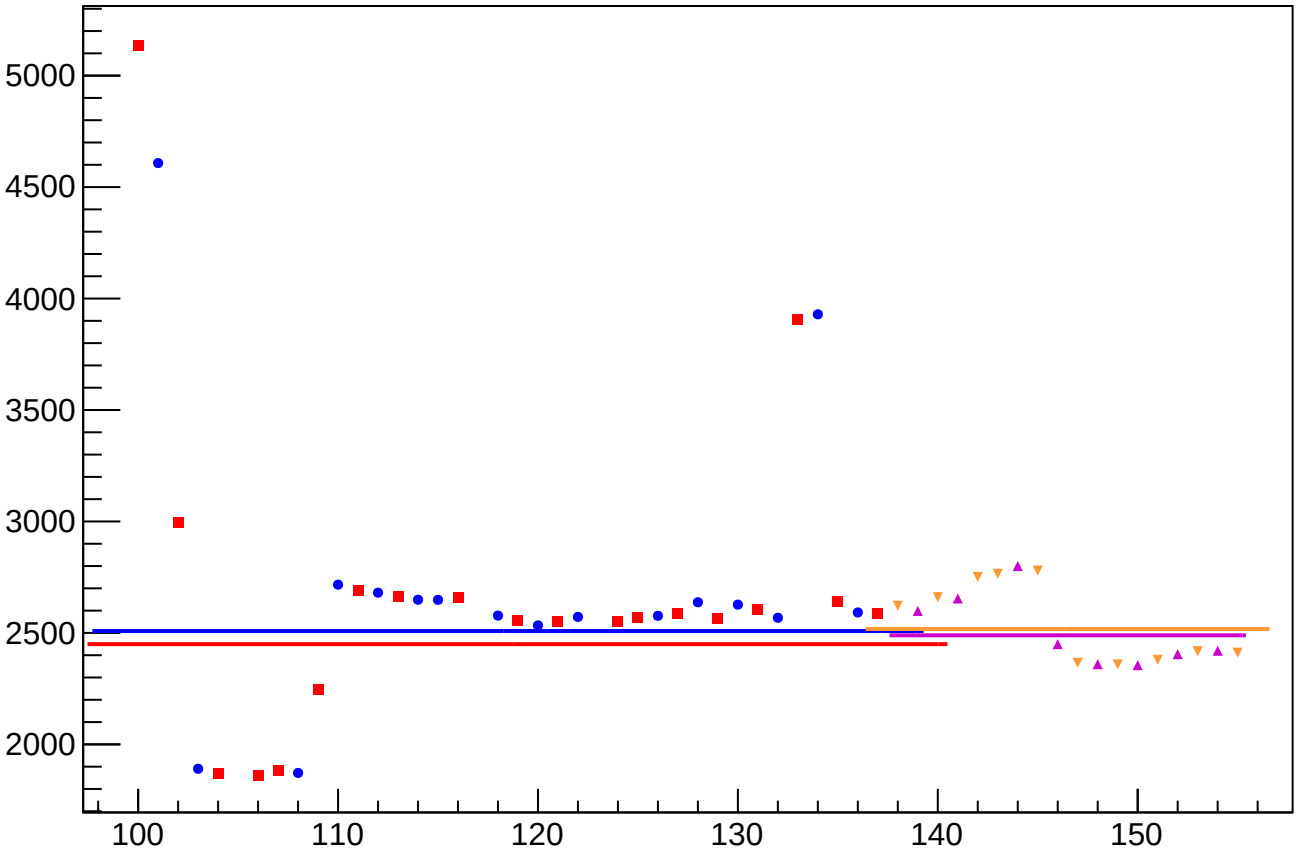
Left: 1530.733+/-650.542 χ^2/NDF: 18.4/17

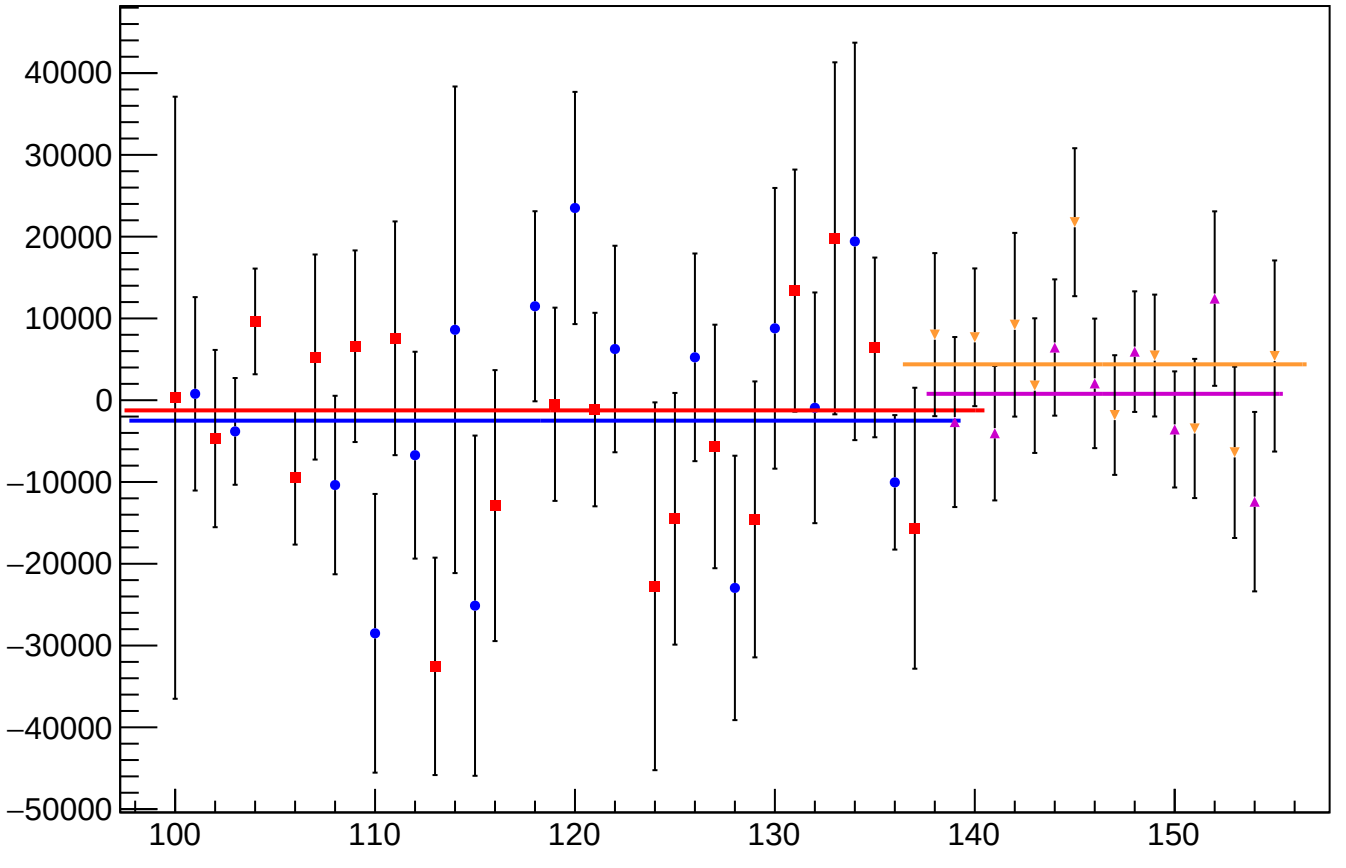
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3791.327+/-669.247 χ^2/NDF:13.8/23

Out: 1012.585+/-644.182 χ^2/NDF:25.1/28

All: 2348.946+/-464.114 χ^2/NDF: 47.8/52


reg_asym_atr2_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 2508.466+/-0.673 χ²/NDF: 611589.6/15
Left Out: 2517.692+/-0.637 χ²/NDF:67320.1/9
Right Out: 2449.623+/-0.652 χ²/NDF: 436901.0/18
Left In: 2489.266+/-0.665 χ²/NDF:46954.4/7
Left: 2504.108+/-0.460 χ²/NDF: 115227.2/17
Right: 2478.107+/-0.468 χ²/NDF: 1052433.3/34
In: 2498.756+/-0.473 χ²/NDF:658955.5/23
Out: 2484.471+/-0.456 χ²/NDF:509800.8/28
All: 2491.341+/-0.328 χ²/NDF: 1169229.3/52



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 4388.385+/-2817.481 χ^2/NDF:6.9/9

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 781.099+/-3019.155 χ^2/NDF:4.4/7

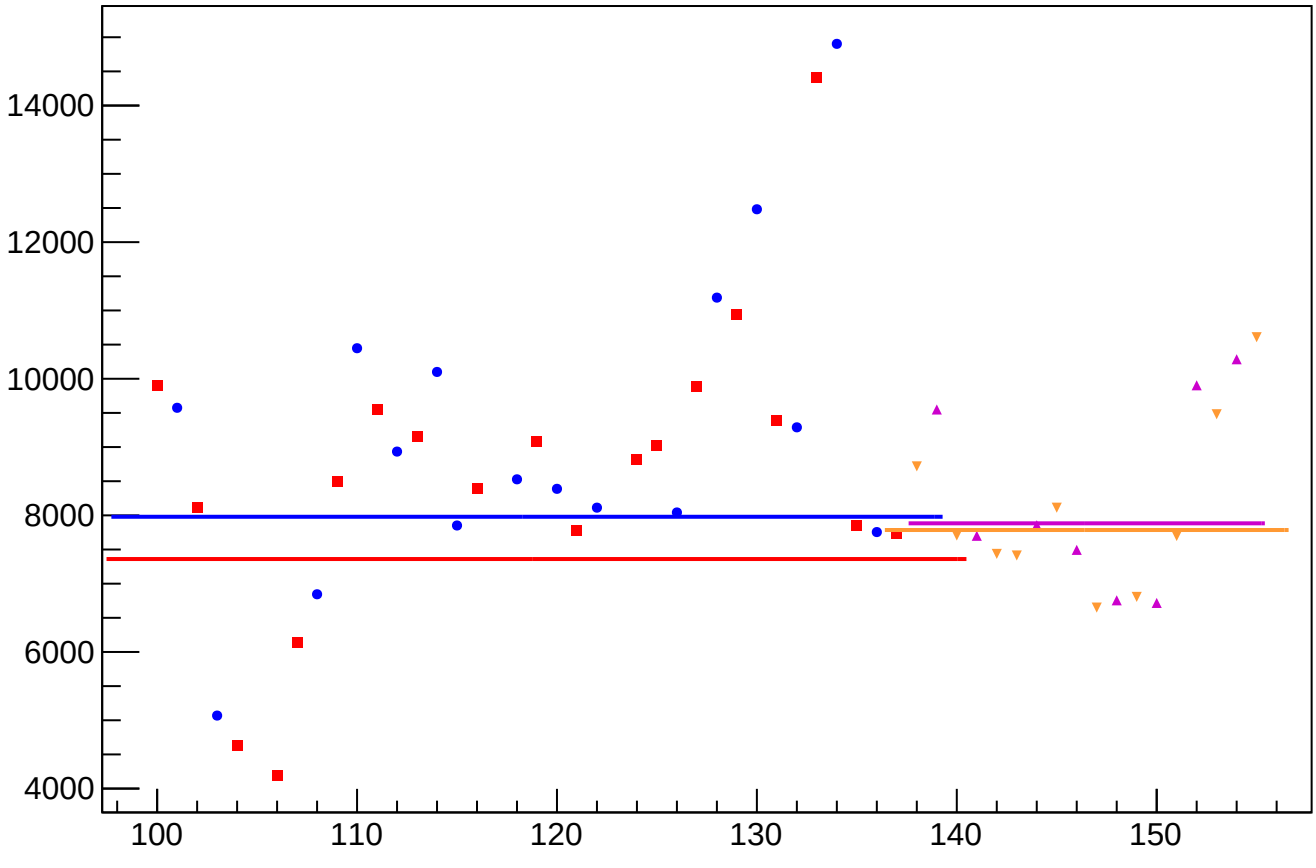
Left: 2709.236+/-2059.870 χ^2/NDF: 12.1/17

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -829.372+/-2154.537 χ^2/NDF:18.8/23

Out: 1607.039+/-2004.609 χ^2/NDF:25.5/28

All: 476.547+/-1467.616 χ^2/NDF: 44.9/52



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7785.552+/-1.992 χ^2/NDF:278252.9/9

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 7883.531+/-2.135 χ^2/NDF:325429.9/7

Left: 7831.160+/-1.457 χ^2/NDF: 604808.6/17

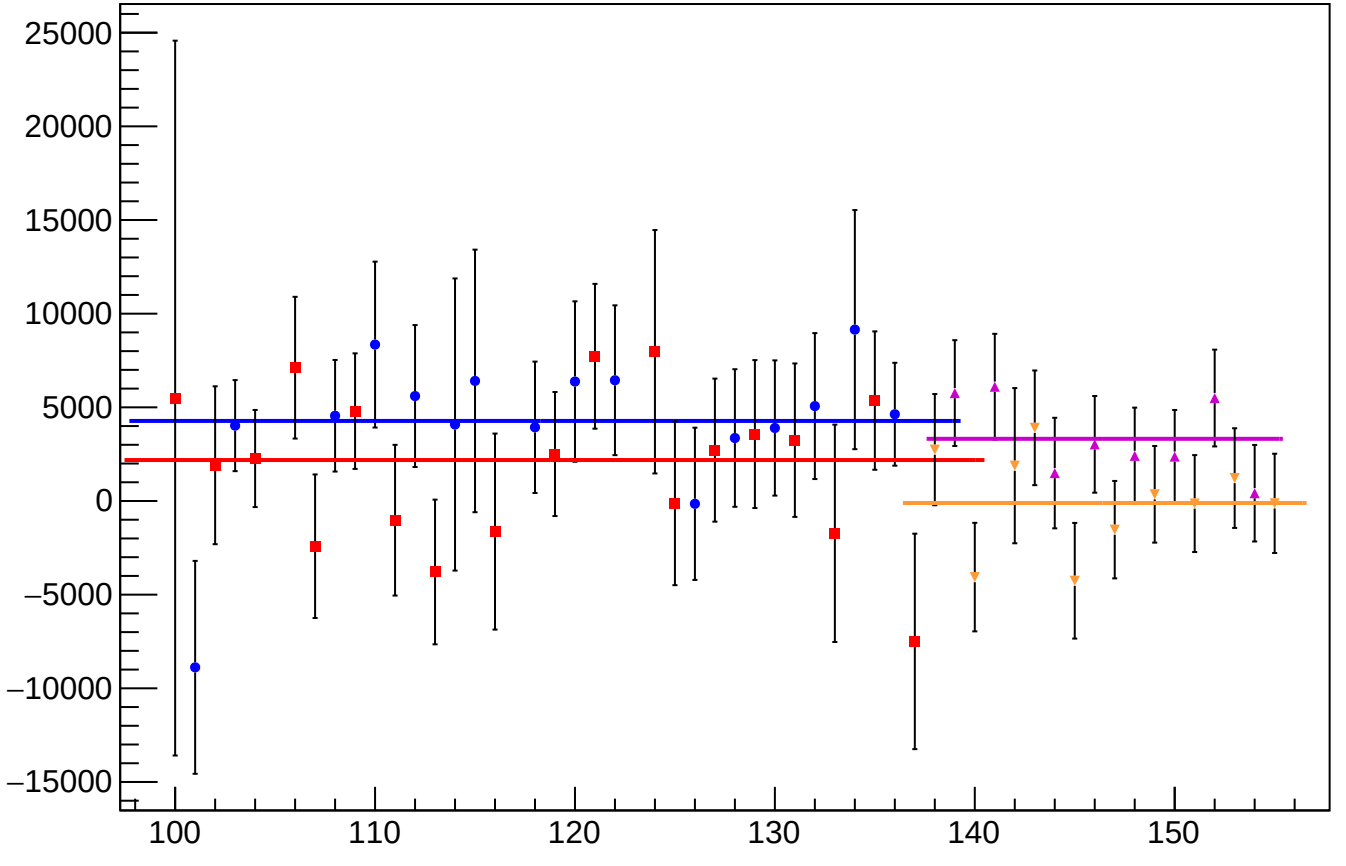
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 7930.621+/-1.523 χ^2/NDF:1249505.2/23

Out: 7575.788+/-1.417 χ^2/NDF:1586712.3/28

All: 7740.430+/-1.038 χ^2/NDF: 2865293.6/52

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -106.369+/-900.308 χ^2/NDF:7.1/9

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3319.368+/-941.055 χ^2/NDF:4.4/7

Left: 1530.729+/-650.542 χ^2/NDF: 18.4/17

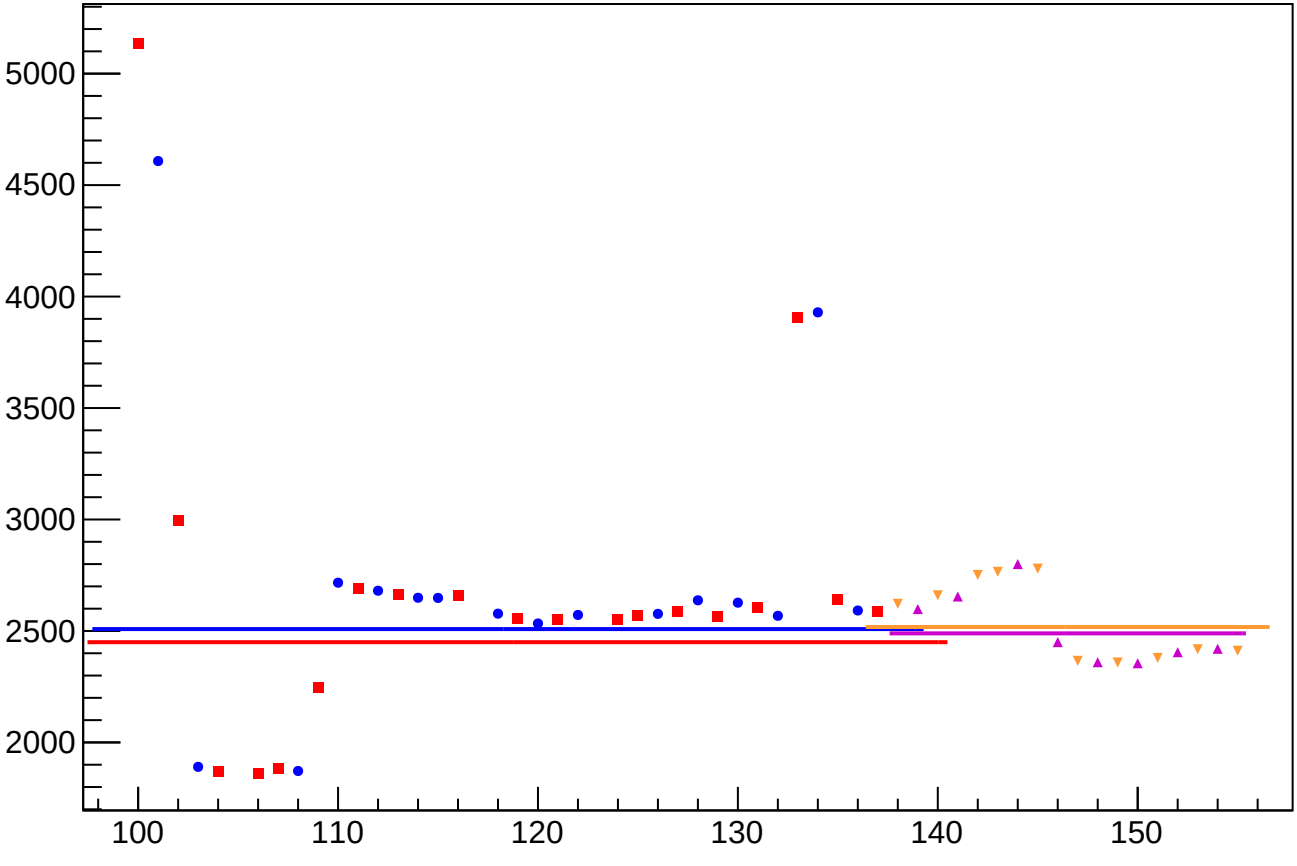
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3791.139+/-669.247 χ^2/NDF:13.8/23

Out: 1012.827+/-644.184 χ^2/NDF:25.1/28

All: 2348.986+/-464.115 χ^2/NDF: 47.8/52

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2517.692+/-0.637 χ^2/NDF:67320.1/9

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2489.266+/-0.665 χ^2/NDF:46954.4/7

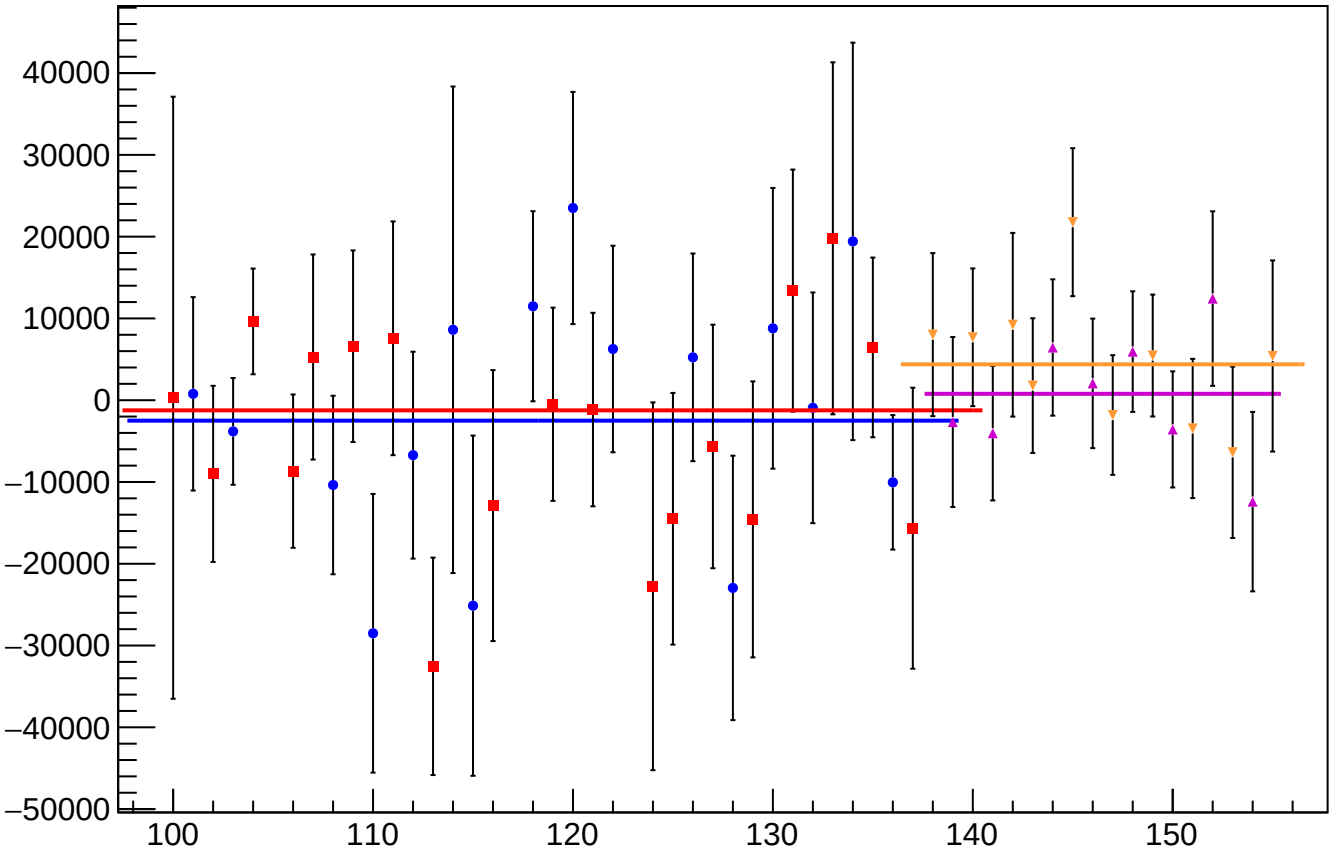
Left: 2504.108+/-0.460 χ^2/NDF: 115227.2/17

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2498.756+/-0.473 χ^2/NDF:658953.3/23

Out: 2484.483+/-0.456 χ^2/NDF:509742.4/28

All: 2491.348+/-0.328 χ^2/NDF: 1169167.9/52



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 4388.349+/-2817.477 χ^2/NDF:6.9/9

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 781.264+/-3019.155 χ^2/NDF:4.4/7

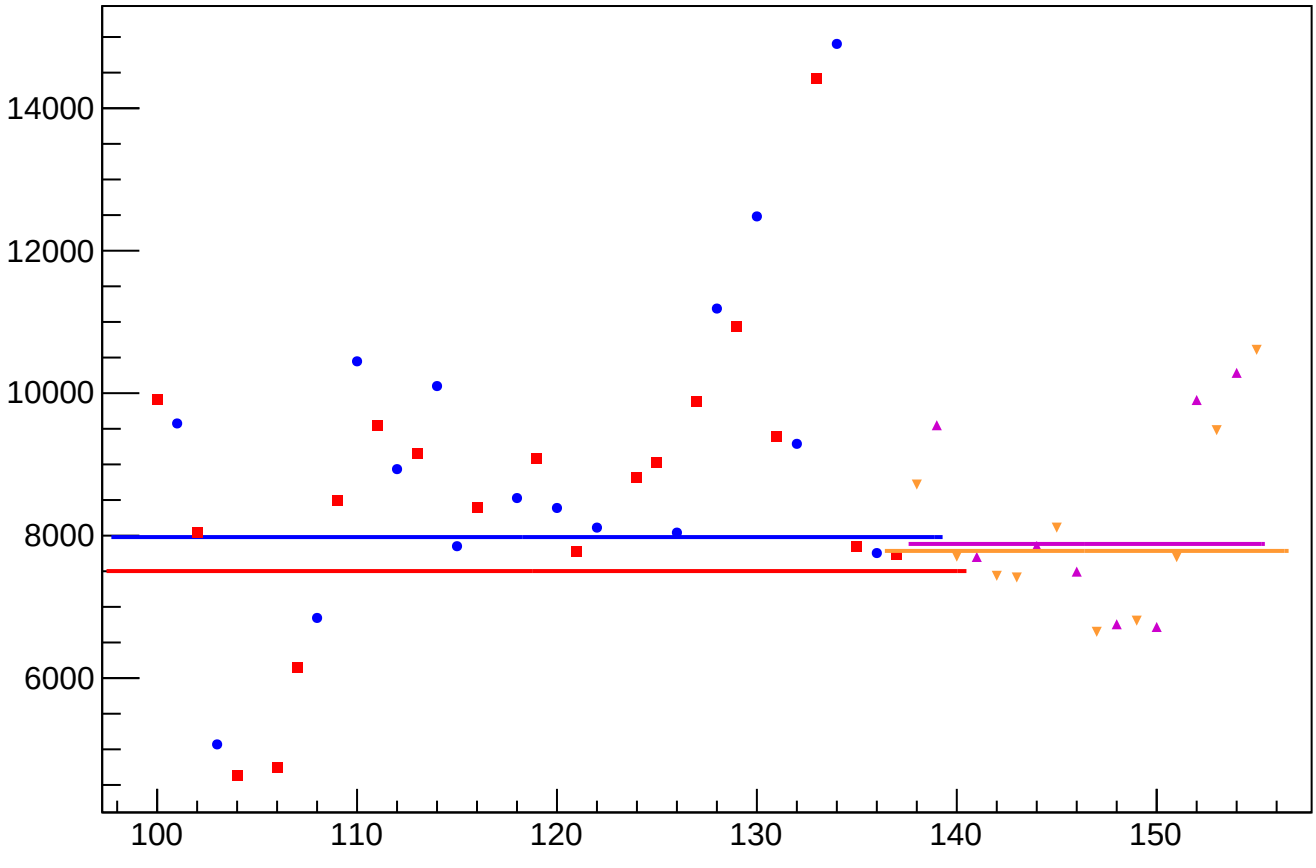
Left: 2709.297+/-2059.868 χ^2/NDF: 12.1/17

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -829.132+/-2154.567 χ^2/NDF:18.8/23

Out: 1649.101+/-2018.586 χ^2/NDF:25.5/28

All: 490.651+/-1473.084 χ^2/NDF: 45.0/52



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7785.537+/-1.992 χ^2/NDF:278259.5/9

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7883.528+/-2.135 χ^2/NDF:325431.0/7

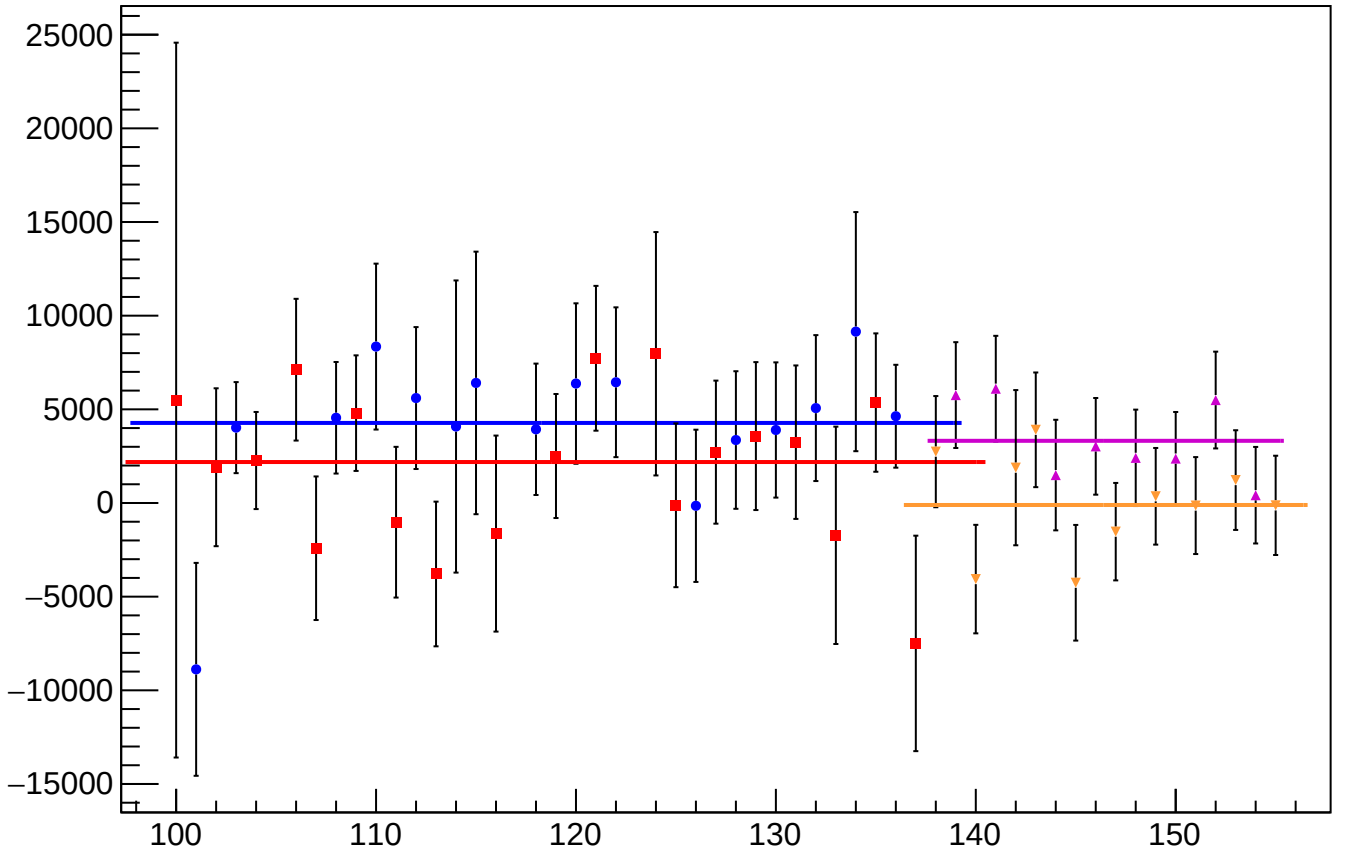
Left: 7831.151+/-1.457 χ^2/NDF: 604816.6/17

Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7930.777+/-1.524 χ^2/NDF:1249214.5/23

Out: 7647.874+/-1.427 χ^2/NDF:1423593.4/28

All: 7780.117+/-1.042 χ^2/NDF: 2691171.0/52



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -106.369+/-900.308 χ^2/NDF:7.1/9

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3319.368+/-941.055 χ^2/NDF:4.4/7

Left: 1530.729+/-650.542 χ^2/NDF: 18.4/17

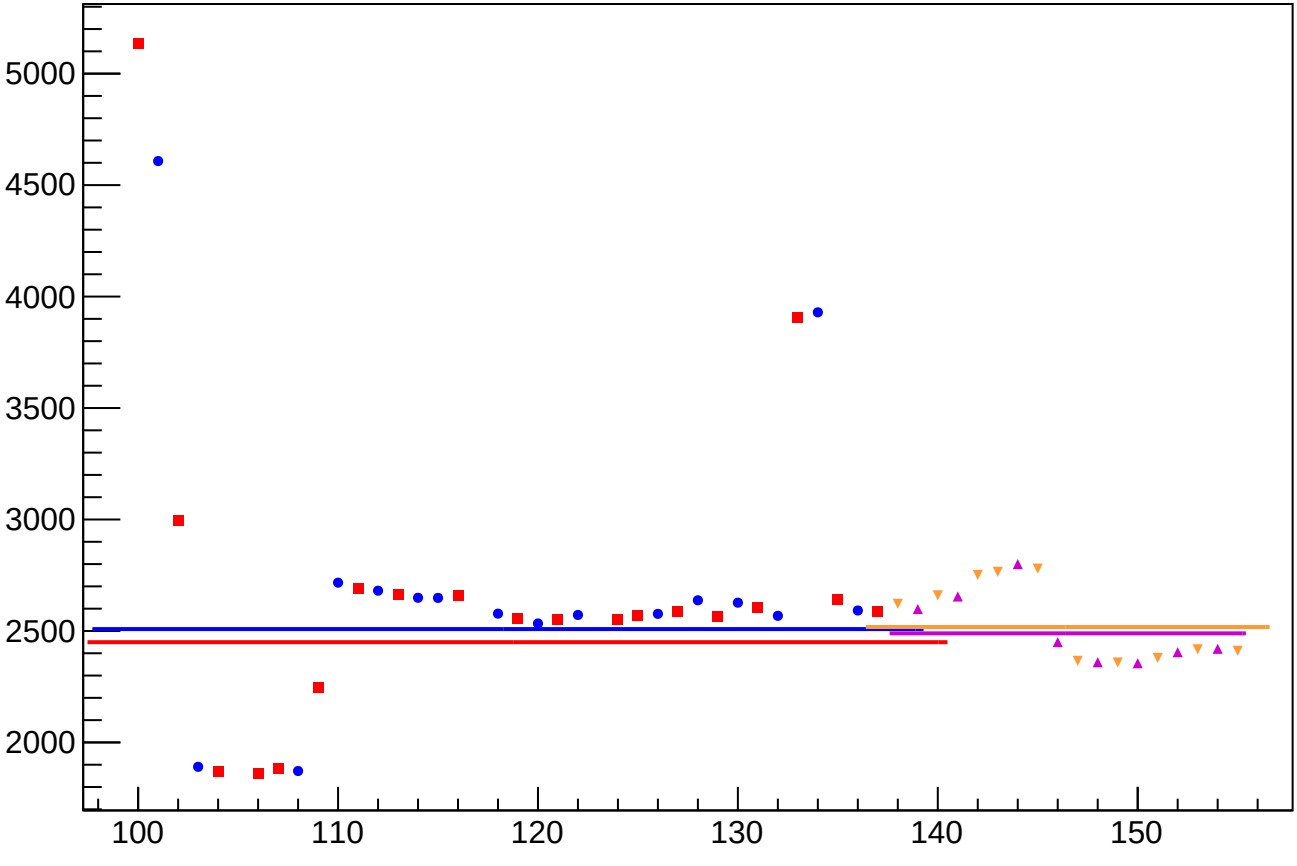
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3791.139+/-669.247 χ^2/NDF:13.8/23

Out: 1012.827+/-644.184 χ^2/NDF:25.1/28

All: 2348.986+/-464.115 χ^2/NDF: 47.8/52

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2517.692+/-0.637 χ^2/NDF:67320.1/9

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2489.266+/-0.665 χ^2/NDF:46954.4/7

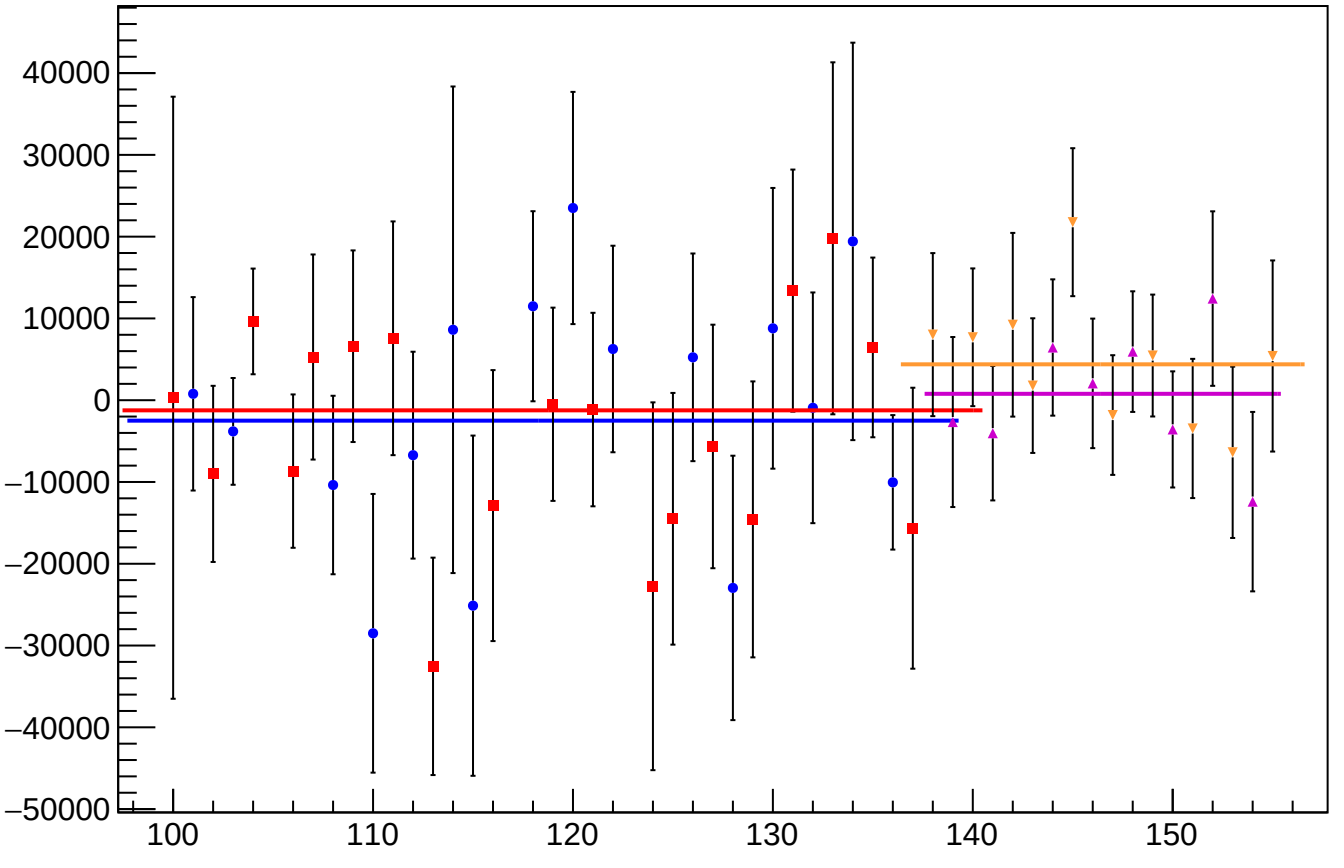
Left: 2504.108+/-0.460 χ^2/NDF: 115227.2/17

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2498.756+/-0.473 χ^2/NDF:658953.3/23

Out: 2484.483+/-0.456 χ^2/NDF:509742.4/28

All: 2491.348+/-0.328 χ^2/NDF: 1169167.9/52



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 4388.349+/-2817.477 χ^2/NDF:6.9/9

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 781.264+/-3019.155 χ^2/NDF:4.4/7

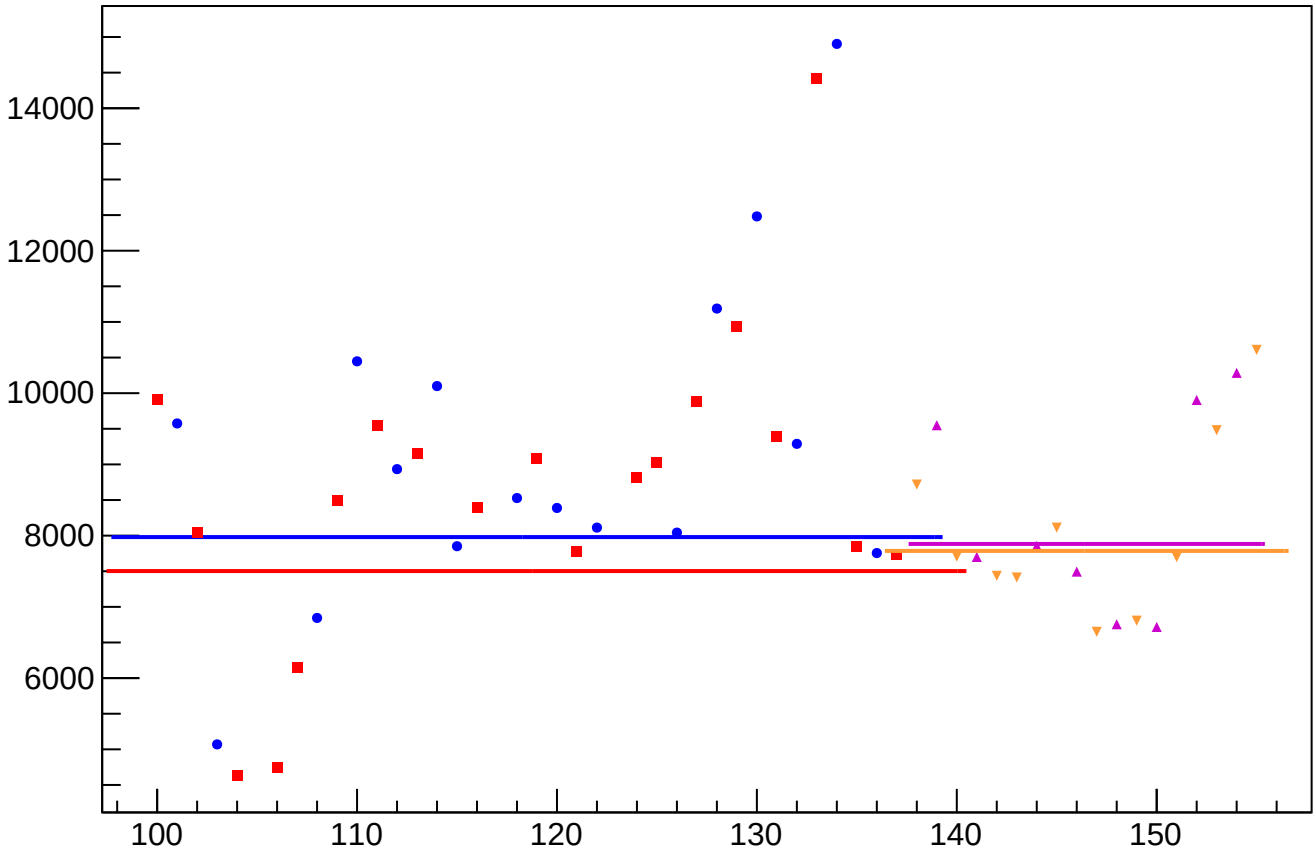
Left: 2709.297+/-2059.868 χ^2/NDF: 12.1/17

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -829.132+/-2154.567 χ^2/NDF:18.8/23

Out: 1649.101+/-2018.586 χ^2/NDF:25.5/28

All: 490.651+/-1473.084 χ^2/NDF: 45.0/52



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7785.537+/-1.992 χ^2/NDF:278259.5/9

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7883.528+/-2.135 χ^2/NDF:325431.0/7

Left: 7831.151+/-1.457 χ^2/NDF: 604816.6/17

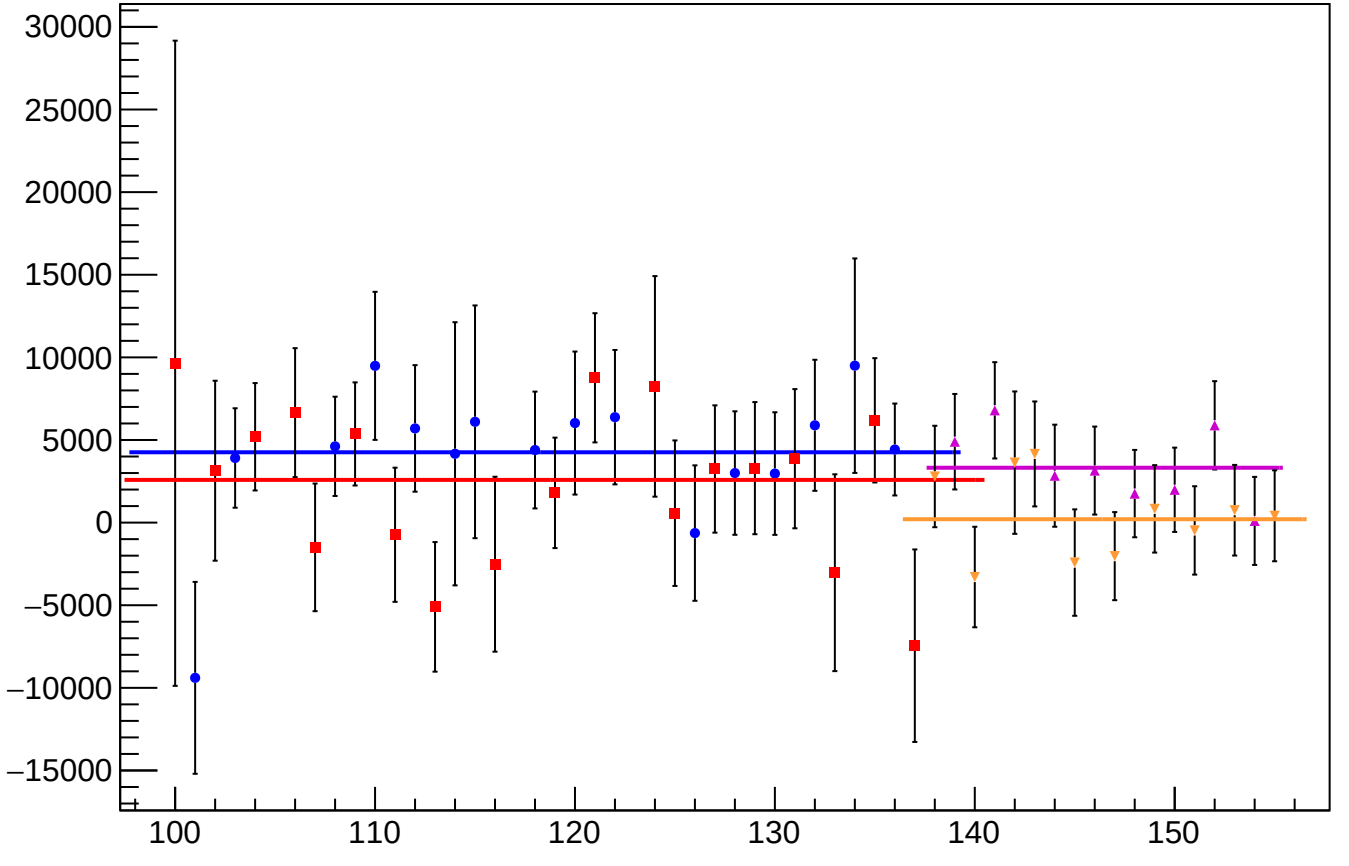
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7930.777+/-1.524 χ^2/NDF:1249214.5/23

Out: 7647.874+/-1.427 χ^2/NDF:1423593.4/28

All: 7780.117+/-1.042 χ^2/NDF: 2691171.0/52

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 204.876+/-931.660 χ^2/NDF:5.7/9

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3320.762+/-970.811 χ^2/NDF:4.8/7

Left: 1698.725+/-672.198 χ^2/NDF: 15.9/17

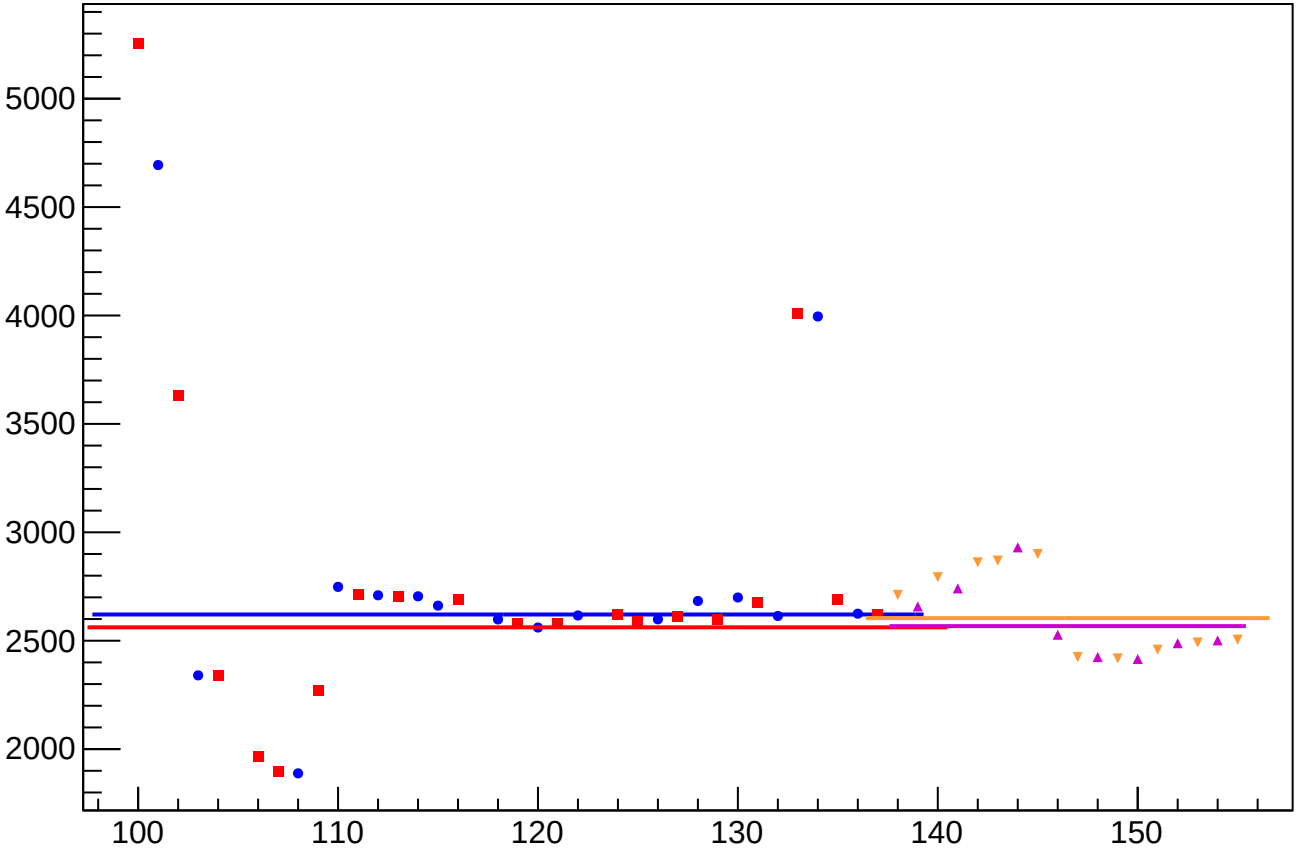
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3779.452+/-693.338 χ^2/NDF:15.3/23

Out: 1351.672+/-670.611 χ^2/NDF:26.5/28

All: 2525.121+/-482.028 χ^2/NDF: 48.1/52

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2604.222+/-0.659 χ^2/NDF:78856.9/9

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2567.278+/-0.686 χ^2/NDF:53043.1/7

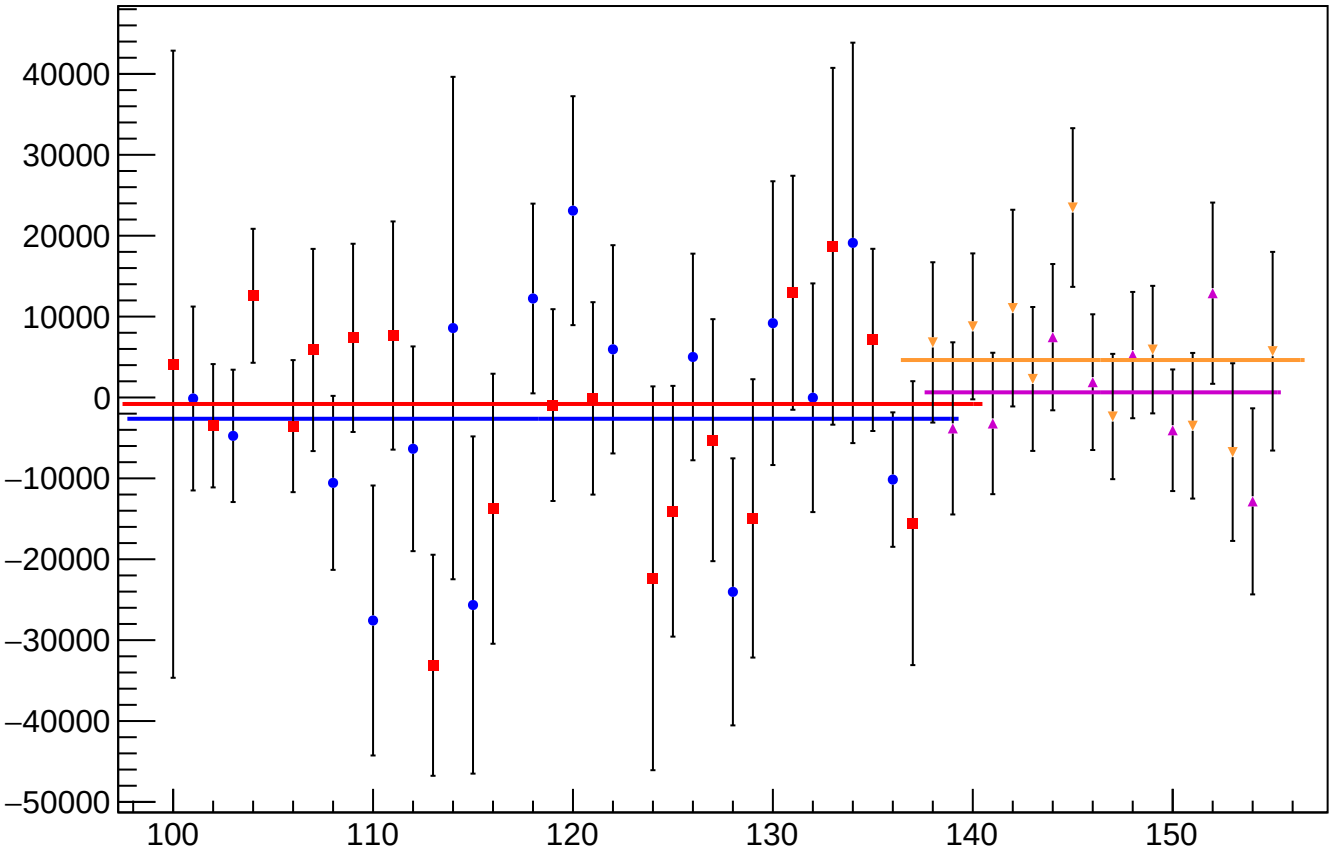
Left: 2586.510+/-0.475 χ^2/NDF: 133407.7/17

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2593.581+/-0.490 χ^2/NDF:541953.7/23

Out: 2583.728+/-0.474 χ^2/NDF:459123.5/28

All: 2588.489+/-0.341 χ^2/NDF: 1001286.0/52



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 4630.517+/-2984.332 χ^2/NDF:7.0/9

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 635.707+/-3194.833 χ^2/NDF:4.3/7

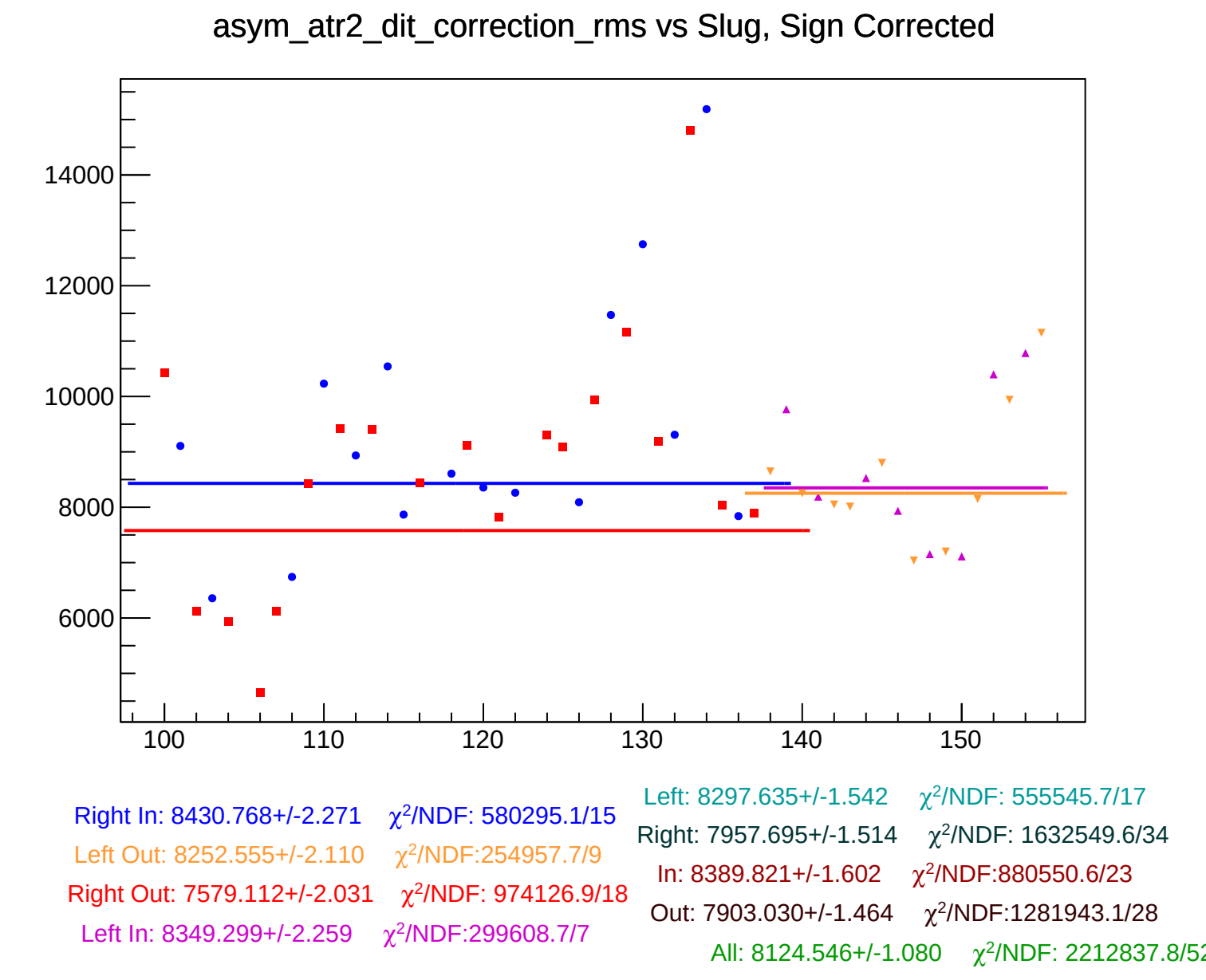
Left: 2769.042+/-2180.865 χ^2/NDF: 12.1/17

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

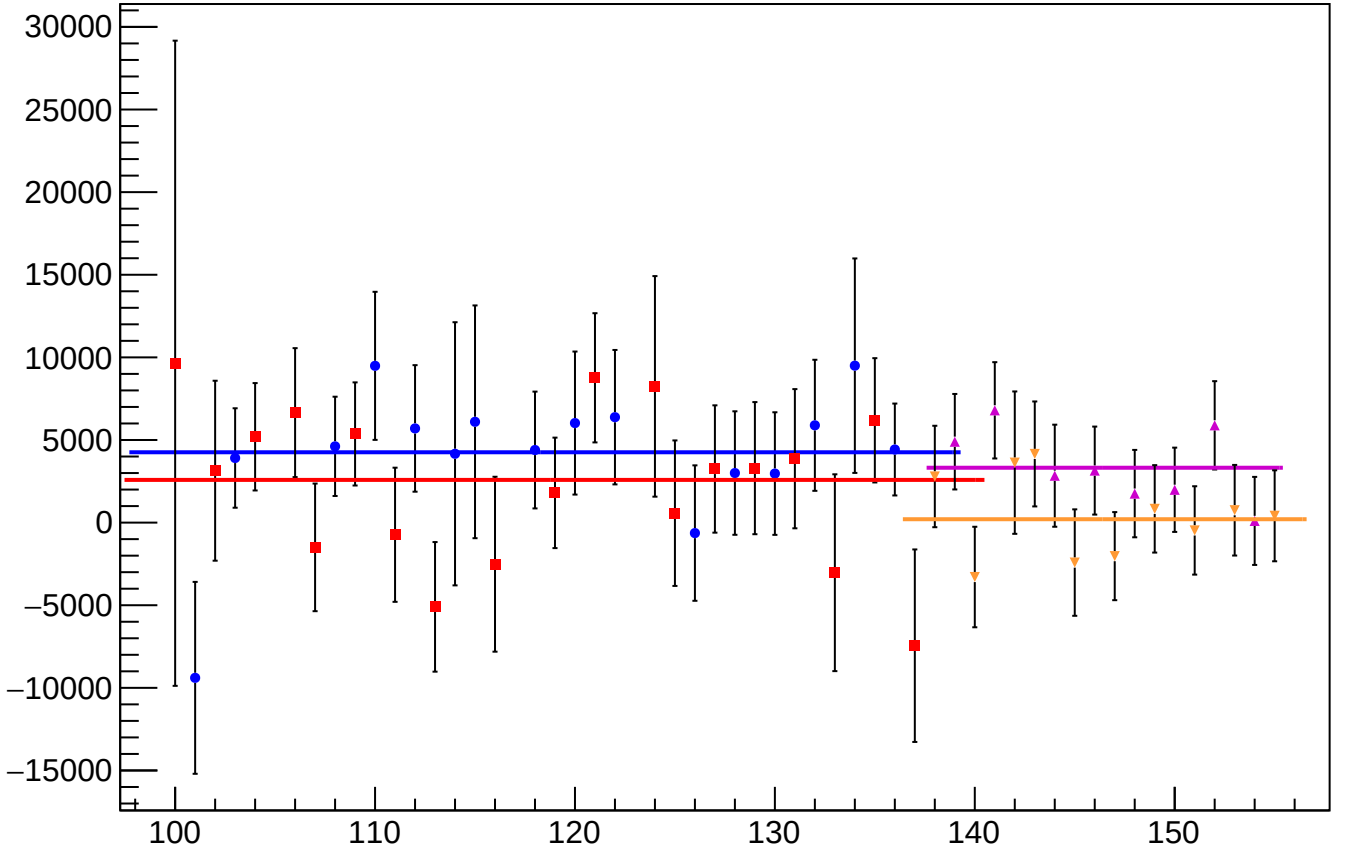
In: -989.603+/-2264.960 χ^2/NDF:18.6/23

Out: 1810.519+/-2069.733 χ^2/NDF:24.2/28

All: 536.315+/-1527.888 χ^2/NDF: 43.6/52


asym_atr2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 8430.768+/-2.271 χ²/NDF: 580295.1/15
Left Out: 8252.555+/-2.110 χ²/NDF:254957.7/9
Right Out: 7579.112+/-2.031 χ²/NDF: 974126.9/18
Left In: 8349.299+/-2.259 χ²/NDF:299608.7/7
Left: 8297.635+/-1.542 χ²/NDF: 555545.7/17
Right: 7957.695+/-1.514 χ²/NDF: 1632549.6/34
In: 8389.821+/-1.602 χ²/NDF:880550.6/23
Out: 7903.030+/-1.464 χ²/NDF:1281943.1/28
All: 8124.546+/-1.080 χ²/NDF: 2212837.8/52

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 204.864+/-931.661 χ^2/NDF:5.7/9

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3320.756+/-970.811 χ^2/NDF:4.8/7

Left: 1698.716+/-672.198 χ^2/NDF: 15.9/17

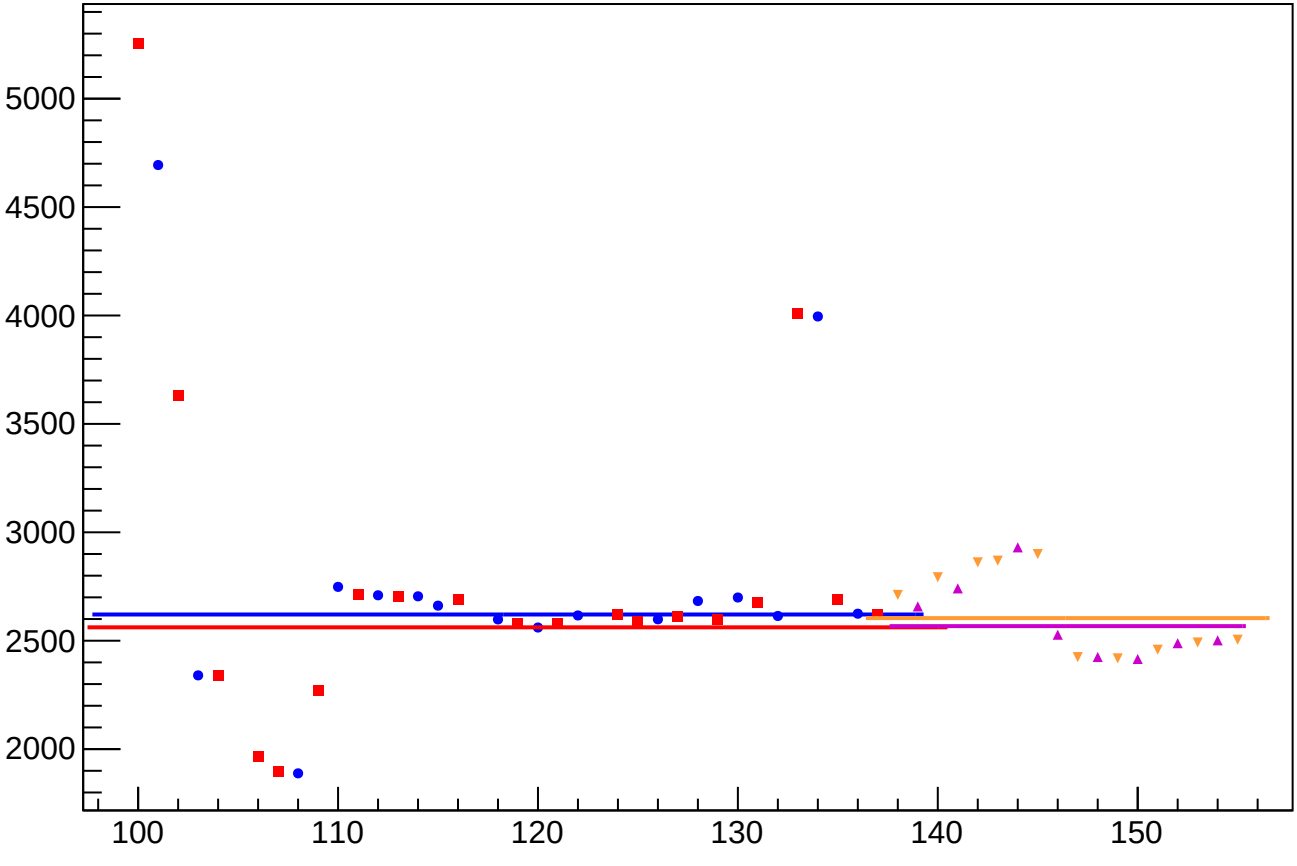
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3779.453+/-693.338 χ^2/NDF:15.3/23

Out: 1351.672+/-670.611 χ^2/NDF:26.5/28

All: 2525.121+/-482.028 χ^2/NDF: 48.1/52

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2604.223+/-0.659 χ^2/NDF:78857.2/9

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2567.280+/-0.686 χ^2/NDF:53042.9/7

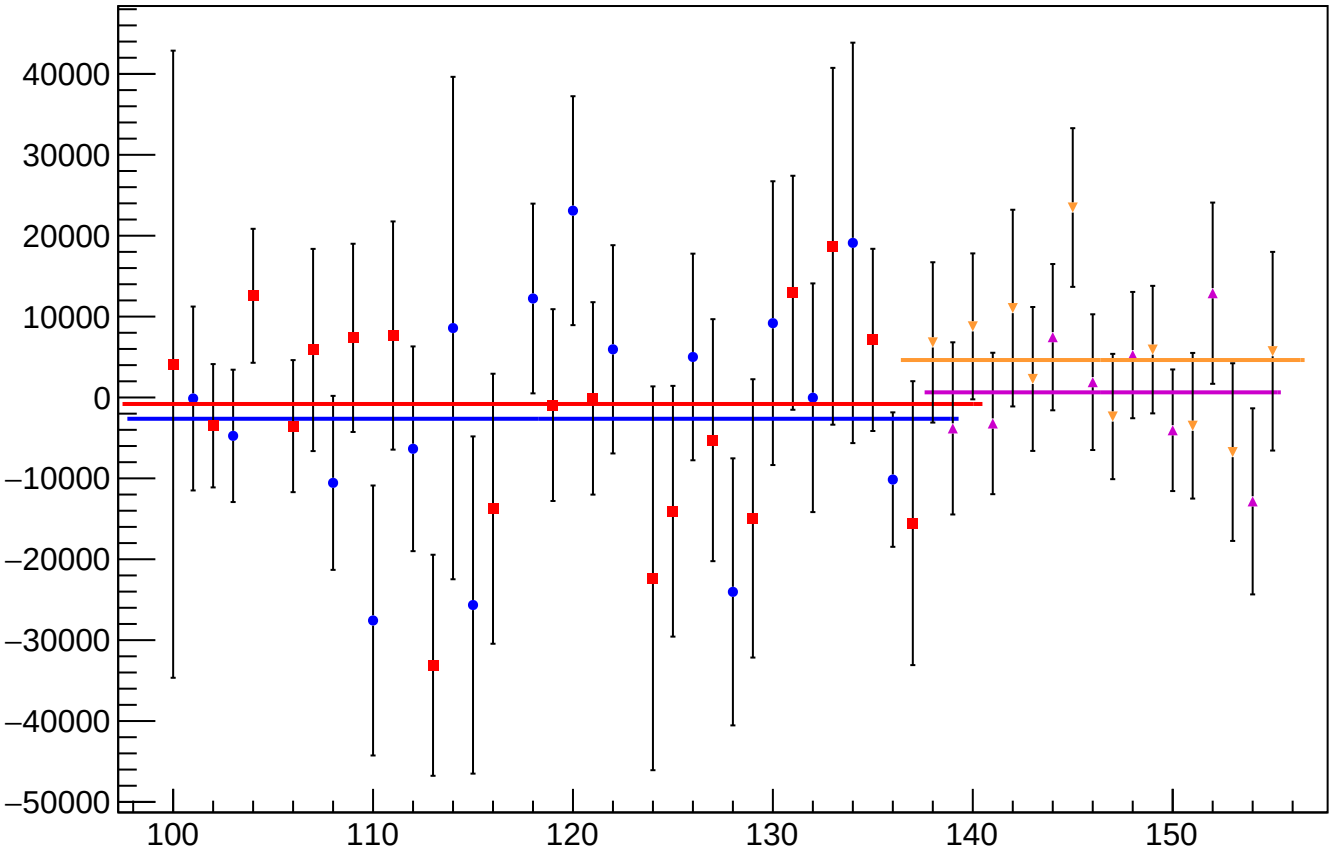
Left: 2586.511+/-0.475 χ^2/NDF: 133407.7/17

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2593.581+/-0.490 χ^2/NDF:541953.5/23

Out: 2583.728+/-0.474 χ^2/NDF:459123.3/28

All: 2588.489+/-0.341 χ^2/NDF: 1001285.6/52



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 4630.511+/-2984.336 χ^2/NDF:7.0/9

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 635.700+/-3194.837 χ^2/NDF:4.3/7

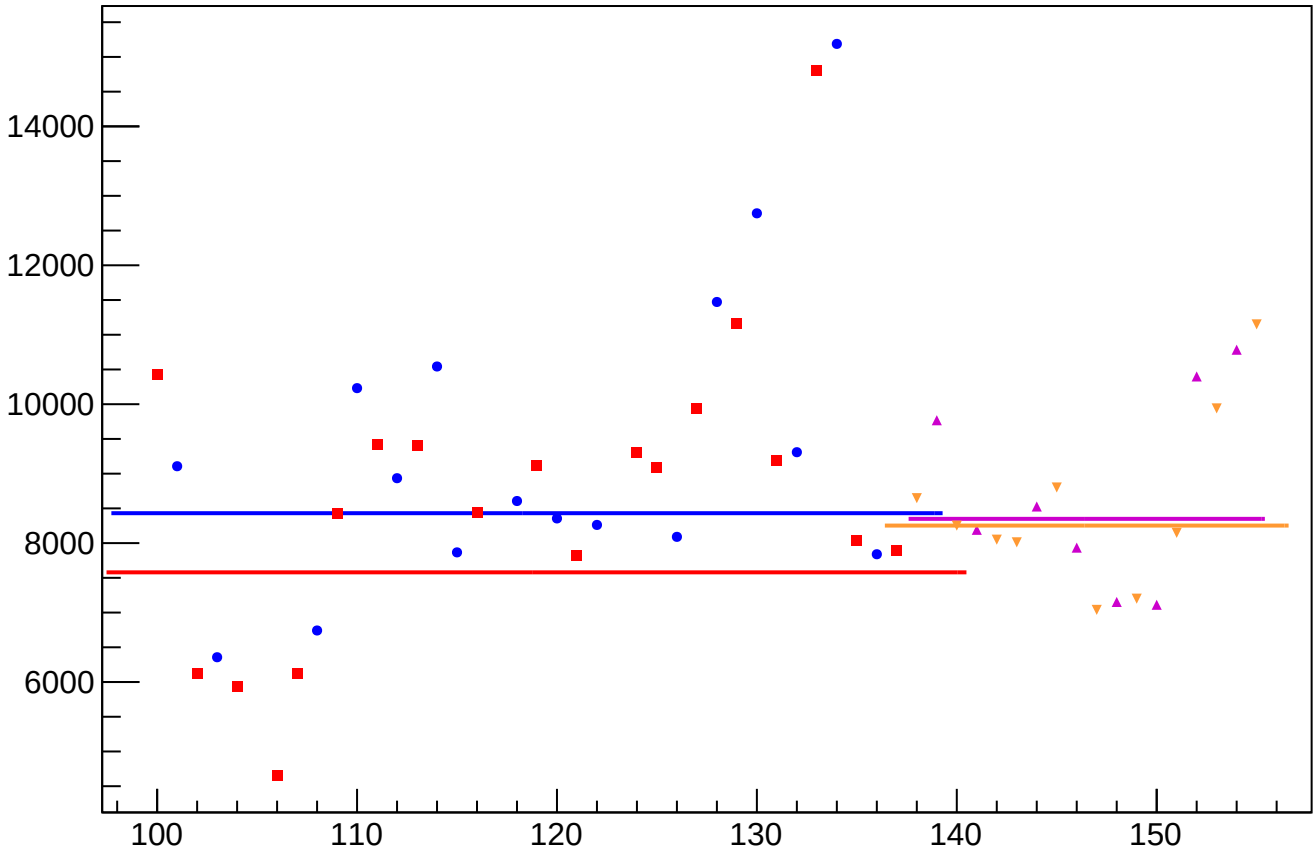
Left: 2769.036+/-2180.867 χ^2/NDF: 12.1/17

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -989.594+/-2264.960 χ^2/NDF:18.6/23

Out: 1810.511+/-2069.733 χ^2/NDF:24.2/28

All: 536.315+/-1527.888 χ^2/NDF: 43.6/52



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8252.566+/-2.110 χ^2/NDF:254956.7/9

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8349.310+/-2.259 χ^2/NDF:299607.0/7

Left: 8297.646+/-1.542 χ^2/NDF: 555543.0/17

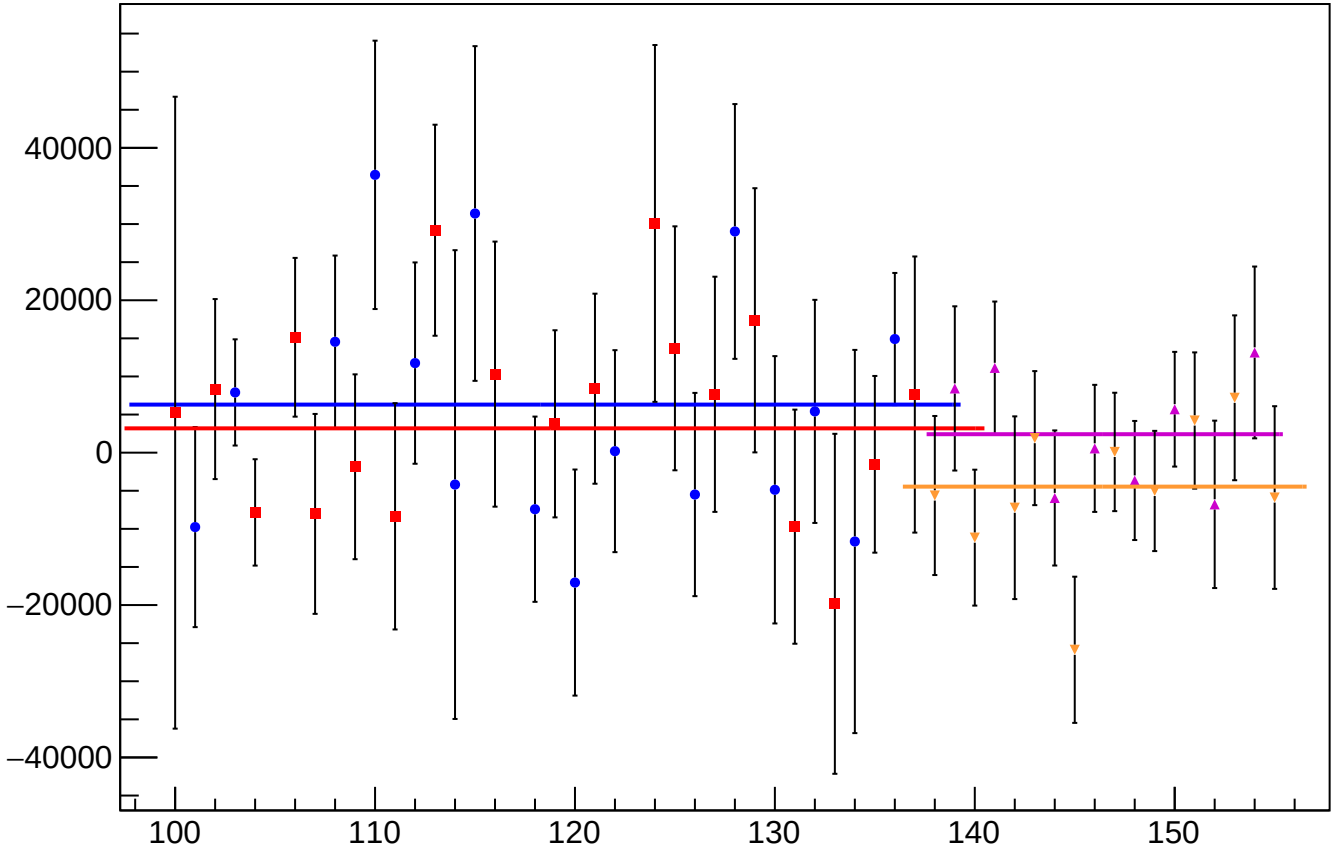
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8389.822+/-1.602 χ^2/NDF:880542.9/23

Out: 7903.029+/-1.464 χ^2/NDF:1281941.9/28

All: 8124.545+/-1.080 χ^2/NDF: 2212829.5/52

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -4458.634+/-2972.851 χ^2/NDF:8.6/9

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 2421.372+/-3176.668 χ^2/NDF:4.7/7

Left: -1246.408+/-2170.603 χ^2/NDF: 15.8/17

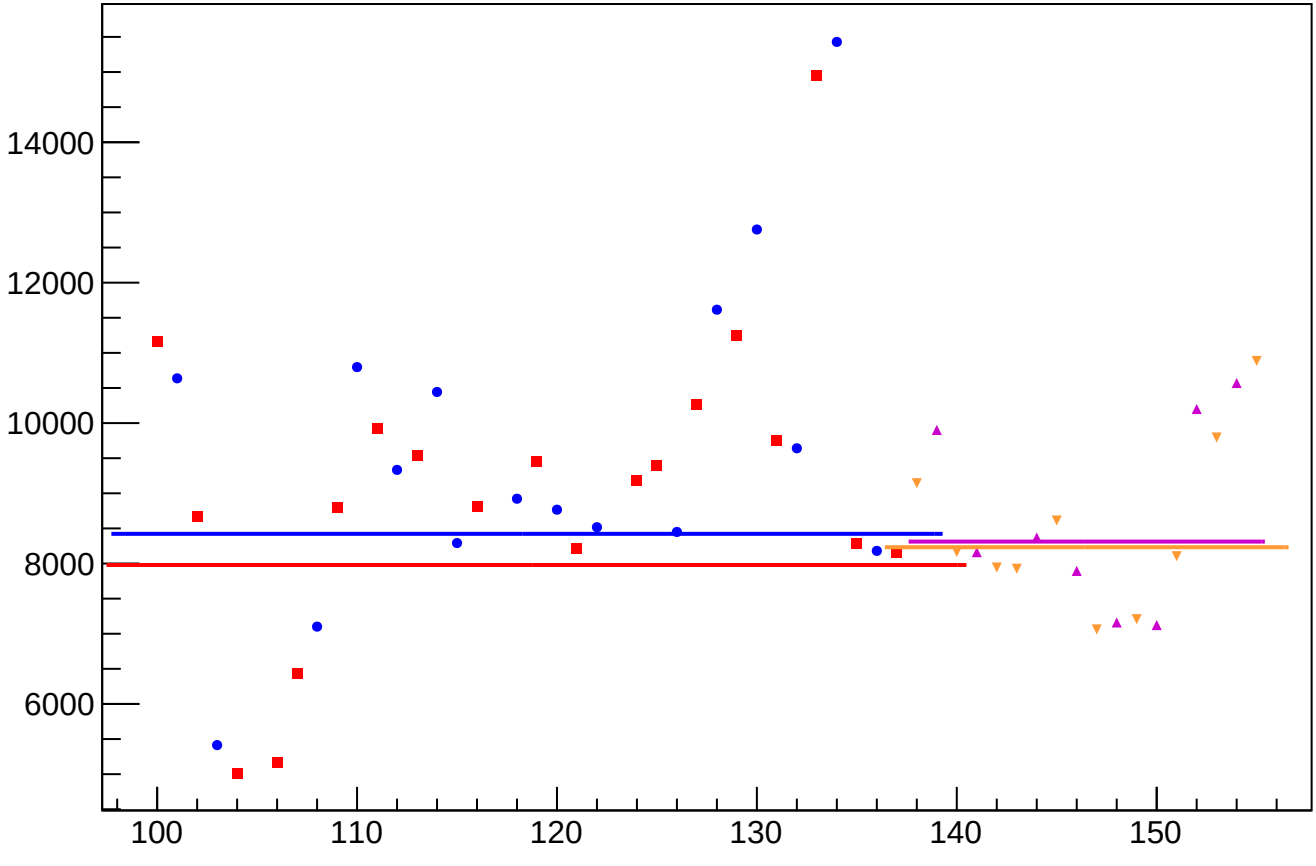
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 4326.034+/-2268.201 χ^2/NDF:20.5/23

Out: -755.876+/-2135.186 χ^2/NDF:25.7/28

All: 1631.707+/-1554.703 χ^2/NDF: 48.8/52

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8232.210+/-2.102 χ^2/NDF:241315.1/9

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8312.373+/-2.246 χ^2/NDF:281901.6/7

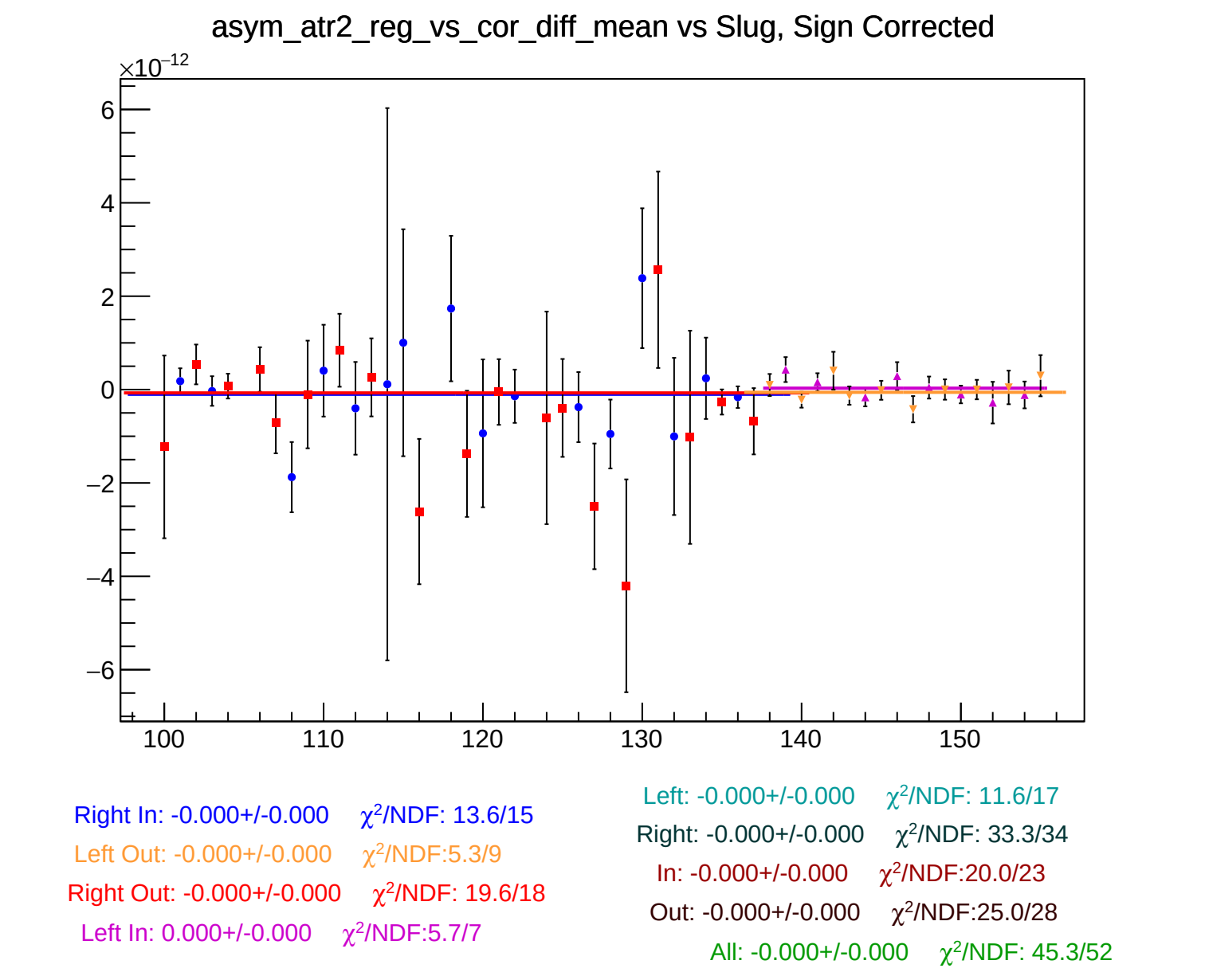
Left: 8269.638+/-1.535 χ^2/NDF: 523895.8/17

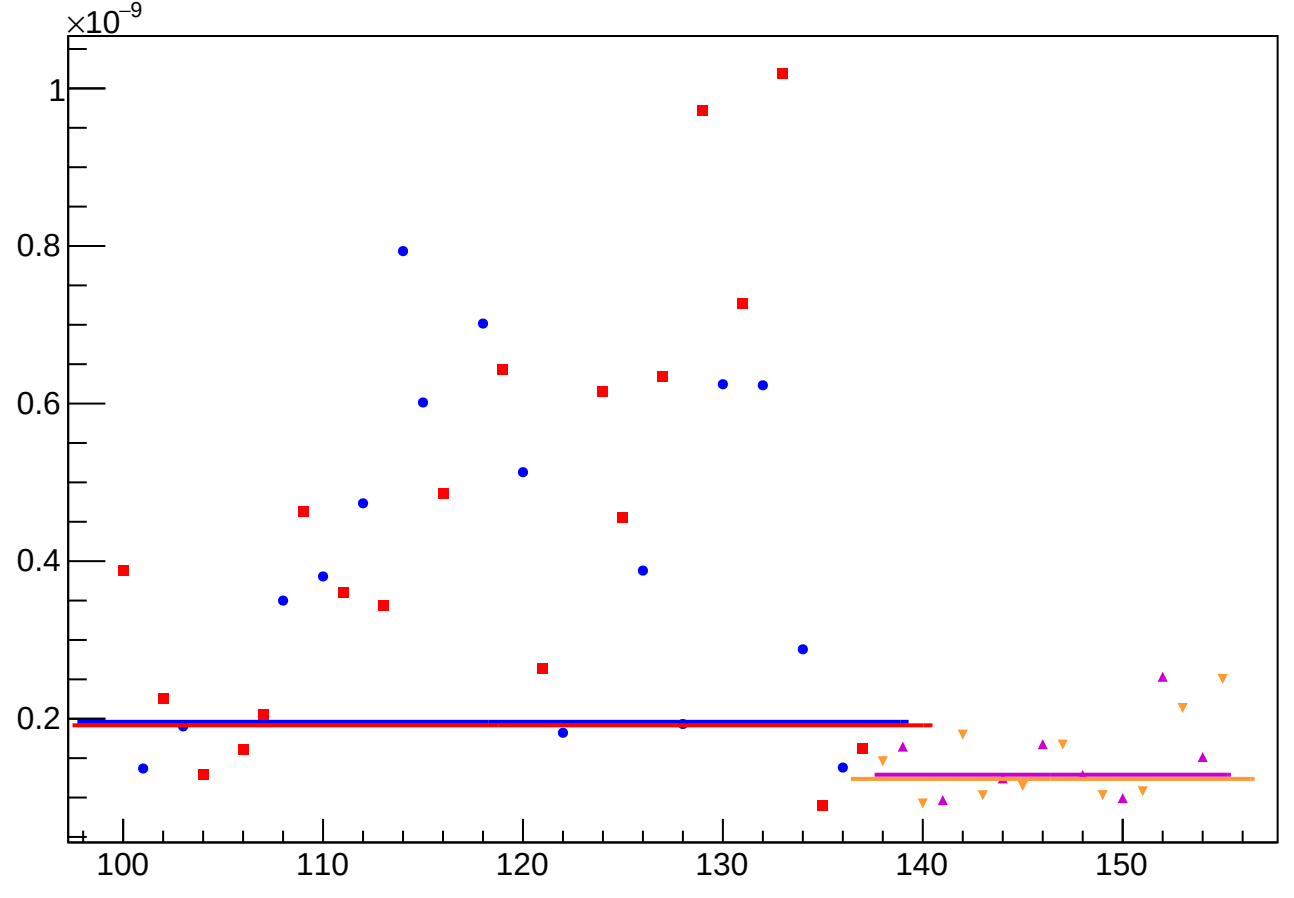
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8366.461+/-1.604 χ^2/NDF:1164918.4/23

Out: 8109.615+/-1.510 χ^2/NDF:1264359.1/28

All: 8230.285+/-1.099 χ^2/NDF: 2442874.4/52


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:5.3/9
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:5.7/7
Left: -0.000+/-0.000 χ²/NDF: 11.6/17
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: -0.000+/-0.000 χ²/NDF:20.0/23
Out: -0.000+/-0.000 χ²/NDF:25.0/28
All: -0.000+/-0.000 χ²/NDF: 45.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:517942.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:344108.9/7

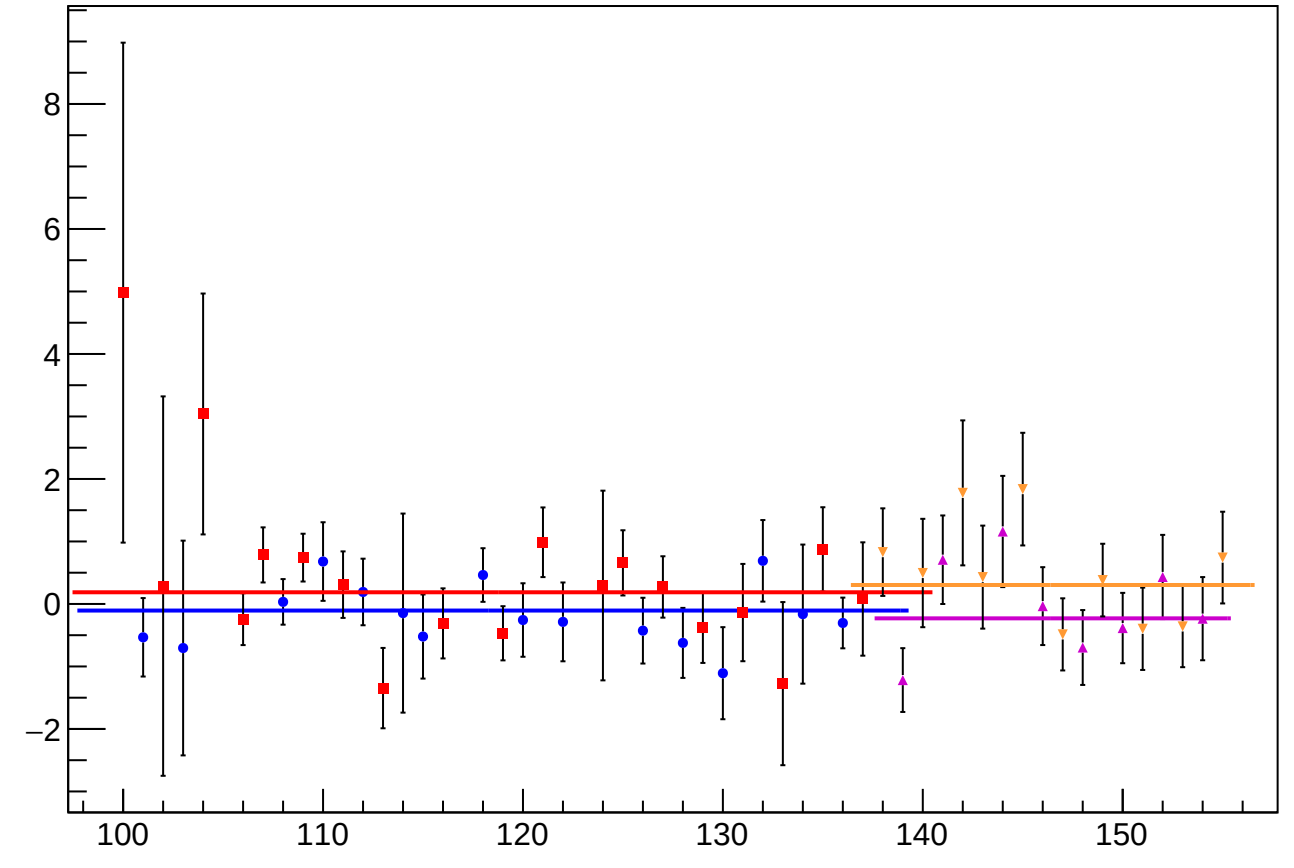
Left: 0.000+/-0.000 χ^2/NDF: 866448.1/17

Right: 0.000+/-0.000 χ^2/NDF: 3409753.0/34

In: 0.000+/-0.000 χ^2/NDF:2045530.0/23

Out: 0.000+/-0.000 χ^2/NDF:2954070.6/28

All: 0.000+/-0.000 χ^2/NDF: 5016421.0/52



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.303+/-0.228 χ^2/NDF:9.6/9

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.230+/-0.223 χ^2/NDF:9.7/7

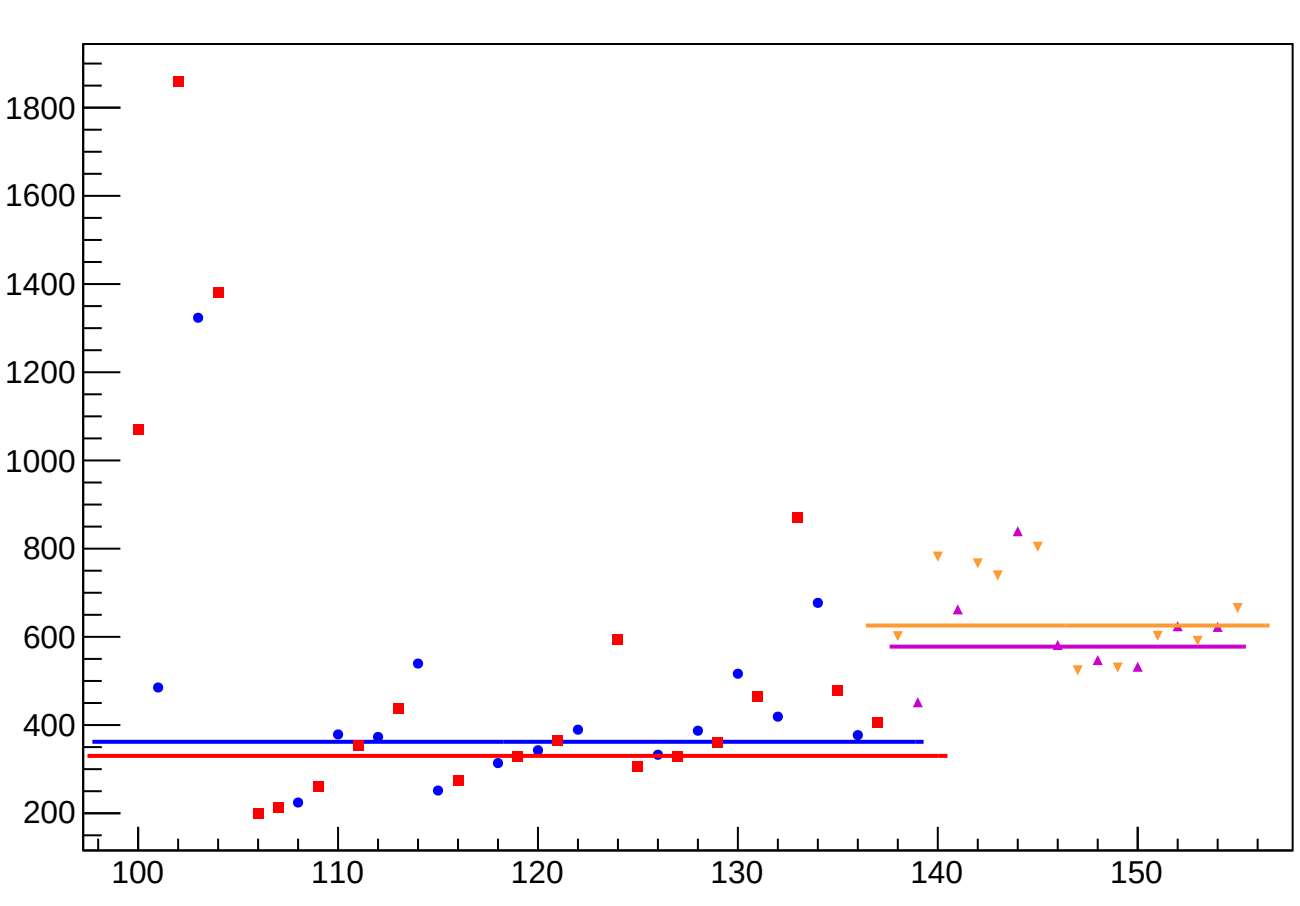
Left: 0.031+/-0.159 χ^2/NDF: 22.0/17

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.142+/-0.121 χ^2/NDF:19.6/23

Out: 0.218+/-0.118 χ^2/NDF:33.6/28

All: 0.043+/-0.084 χ^2/NDF: 57.8/52



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 625.701+/-0.161 χ^2/NDF:343392.1/9

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 577.819+/-0.158 χ^2/NDF:360395.1/7

Left: 601.279+/-0.113 χ^2/NDF: 748890.8/17

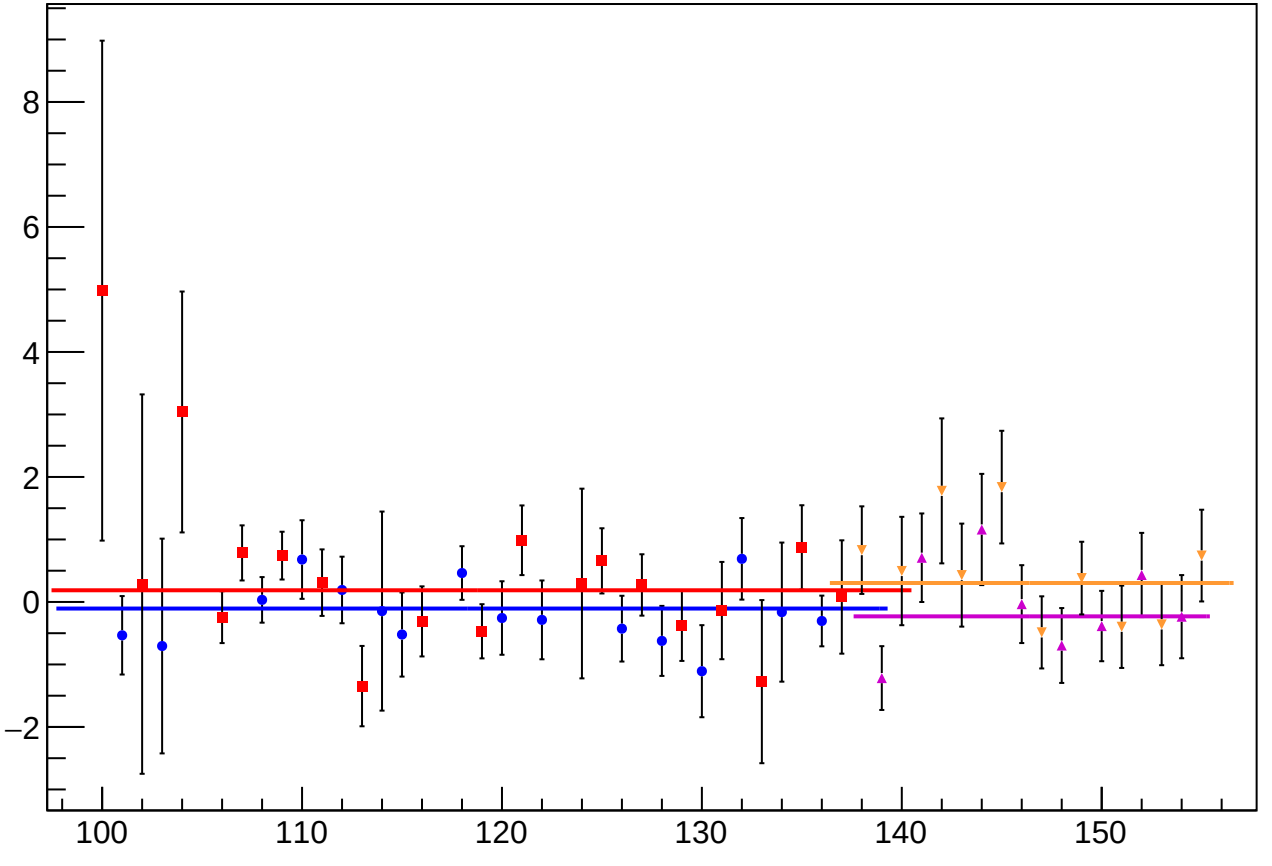
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 425.888+/-0.086 χ^2/NDF:3054053.4/23

Out: 408.996+/-0.083 χ^2/NDF:5060802.4/28

All: 417.177+/-0.060 χ^2/NDF: 8134822.0/52

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: 0.303+/-0.228 χ^2/NDF:9.6/9

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.230+/-0.223 χ^2/NDF:9.7/7

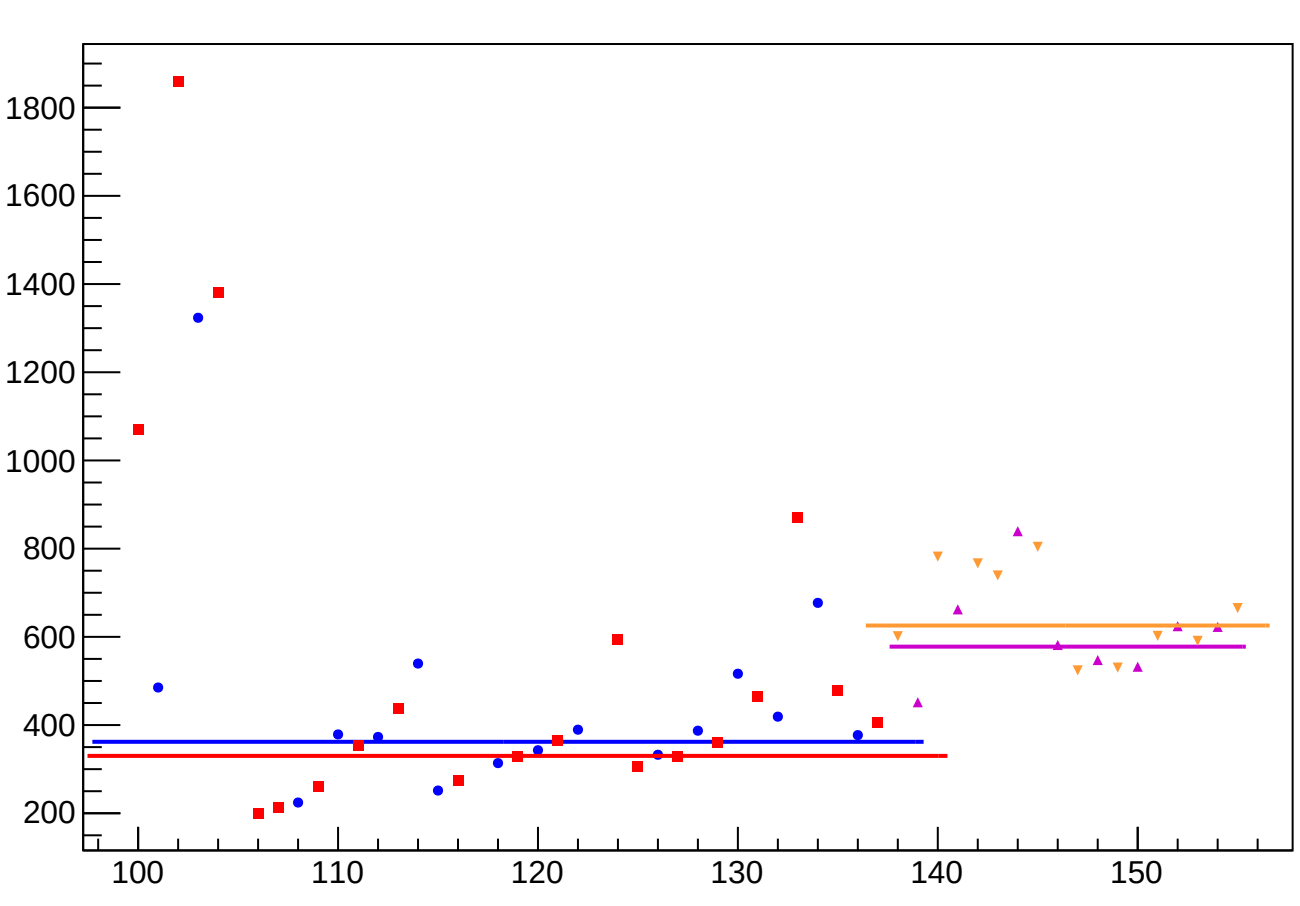
Left: 0.031+/-0.159 χ^2/NDF: 22.0/17

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.142+/-0.121 χ^2/NDF:19.6/23

Out: 0.218+/-0.118 χ^2/NDF:33.6/28

All: 0.043+/-0.084 χ^2/NDF: 57.8/52



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 625.701+/-0.161 χ^2/NDF:343392.1/9

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 577.819+/-0.158 χ^2/NDF:360395.1/7

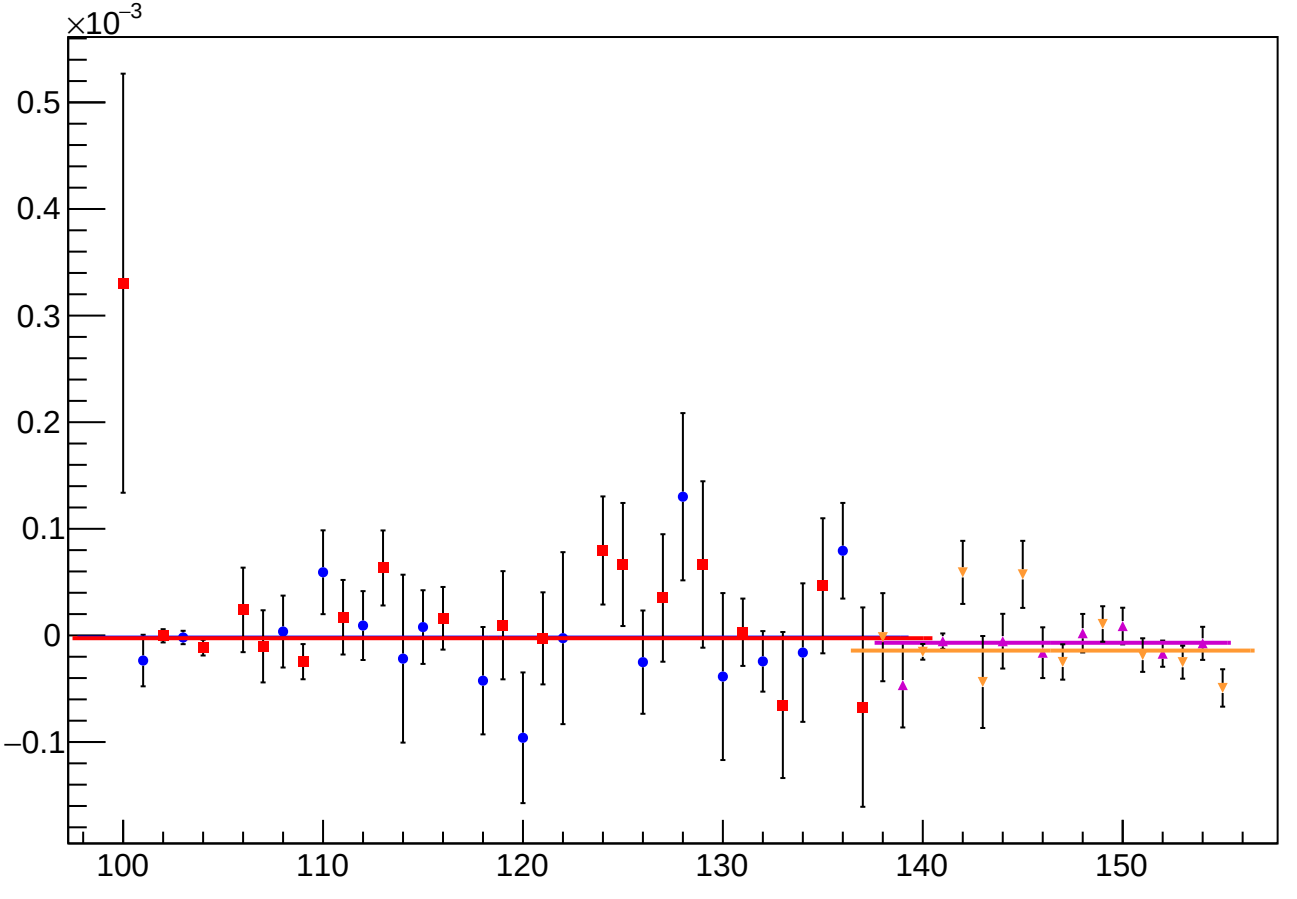
Left: 601.279+/-0.113 χ^2/NDF: 748890.8/17

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 425.888+/-0.086 χ^2/NDF:3054053.4/23

Out: 408.996+/-0.083 χ^2/NDF:5060802.4/28

All: 417.177+/-0.060 χ^2/NDF: 8134822.0/52



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

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/9

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/7

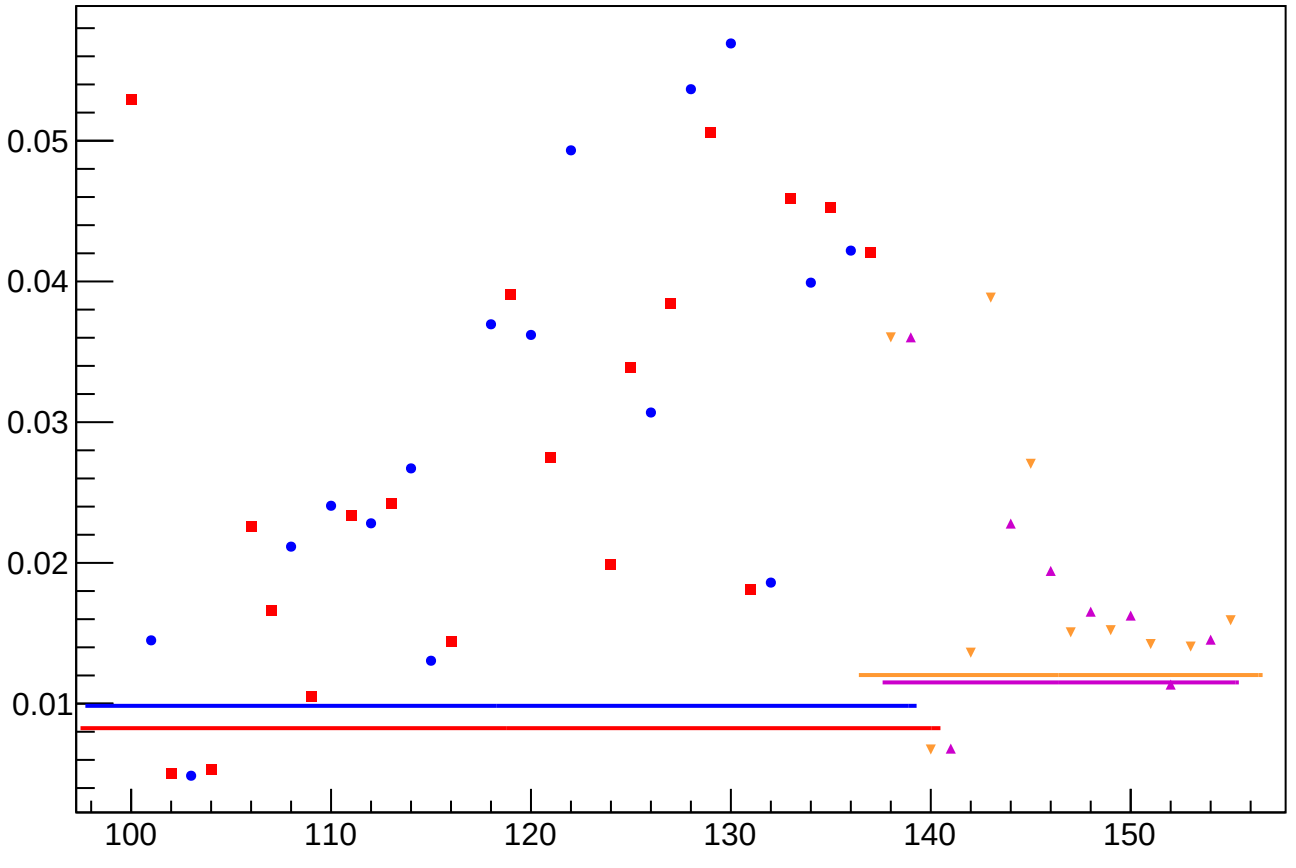
Left: -0.000+/-0.000 χ^2/NDF: 23.2/17

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:17.2/23

Out: -0.000+/-0.000 χ^2/NDF:40.5/28

All: -0.000+/-0.000 χ^2/NDF: 58.0/52



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:3257662.0/9

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.012+/-0.000 χ^2/NDF:2597062.7/7

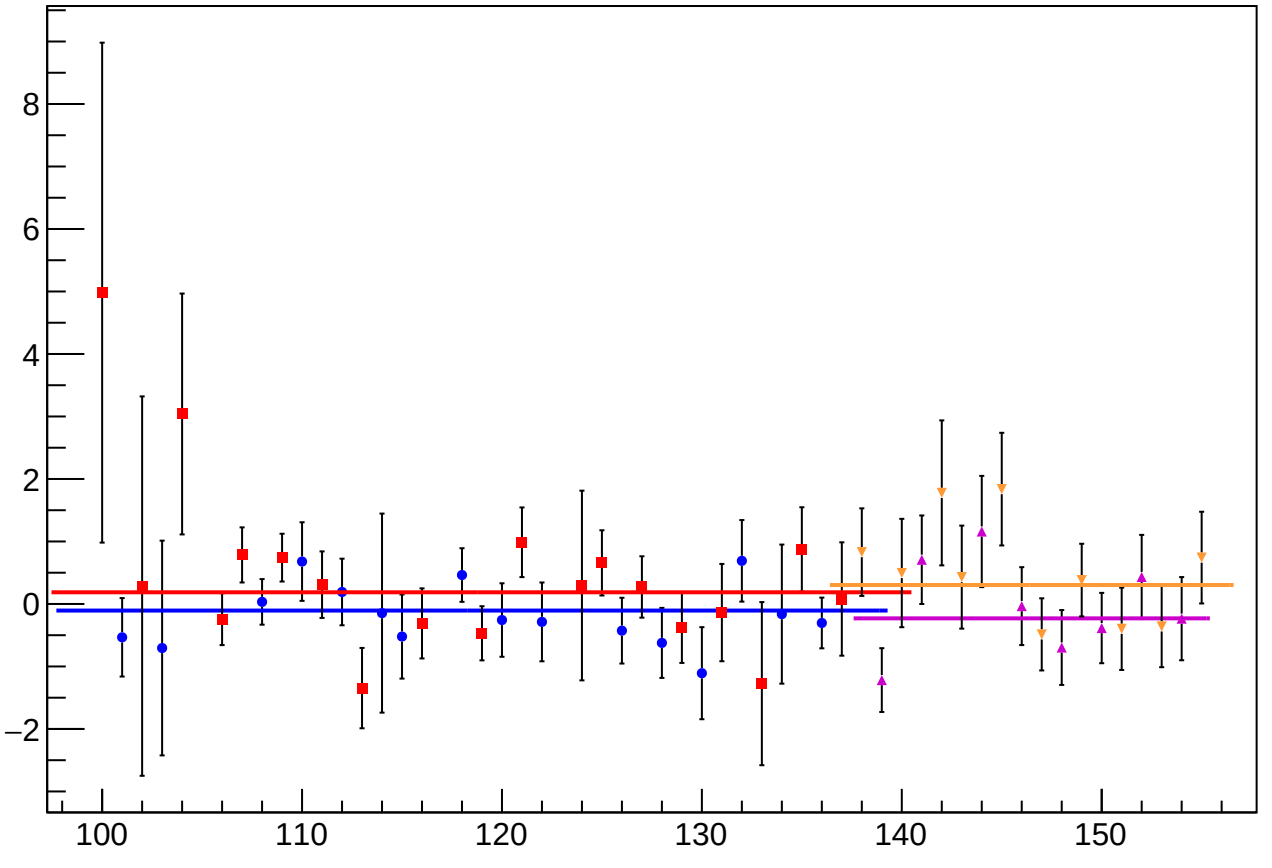
Left: 0.012+/-0.000 χ^2/NDF: 5865803.1/17

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.011+/-0.000 χ^2/NDF:9751768.4/23

Out: 0.010+/-0.000 χ^2/NDF:10668241.0/28

All: 0.010+/-0.000 χ^2/NDF: 20488306.5/52



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.303+/-0.228 χ^2/NDF:9.6/9

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.230+/-0.223 χ^2/NDF:9.7/7

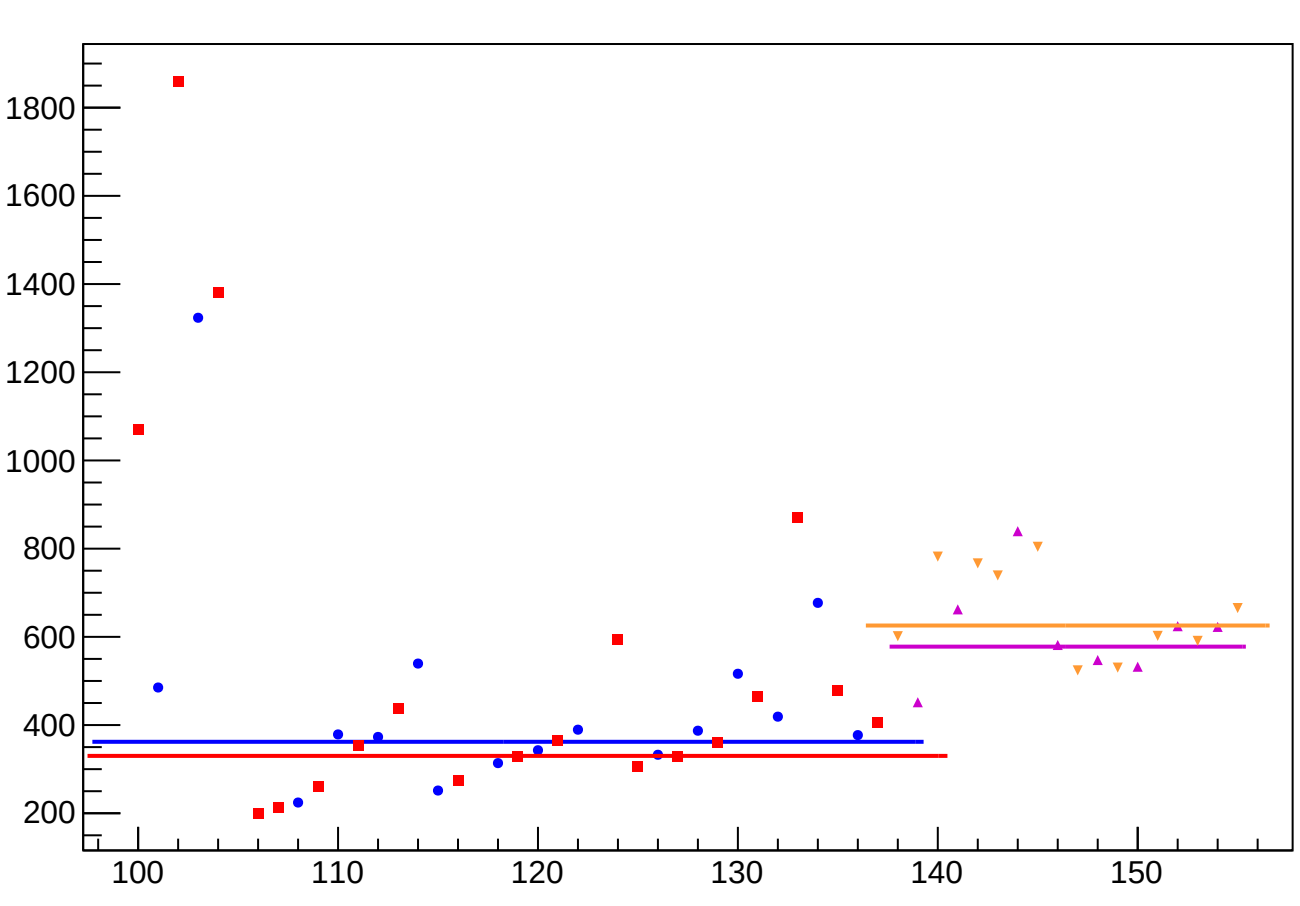
Left: 0.031+/-0.159 χ^2/NDF: 22.0/17

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.142+/-0.121 χ^2/NDF:19.6/23

Out: 0.218+/-0.118 χ^2/NDF:33.6/28

All: 0.043+/-0.084 χ^2/NDF: 57.8/52



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 625.709+/-0.161 χ^2/NDF:343378.7/9

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 577.826+/-0.158 χ^2/NDF:360372.2/7

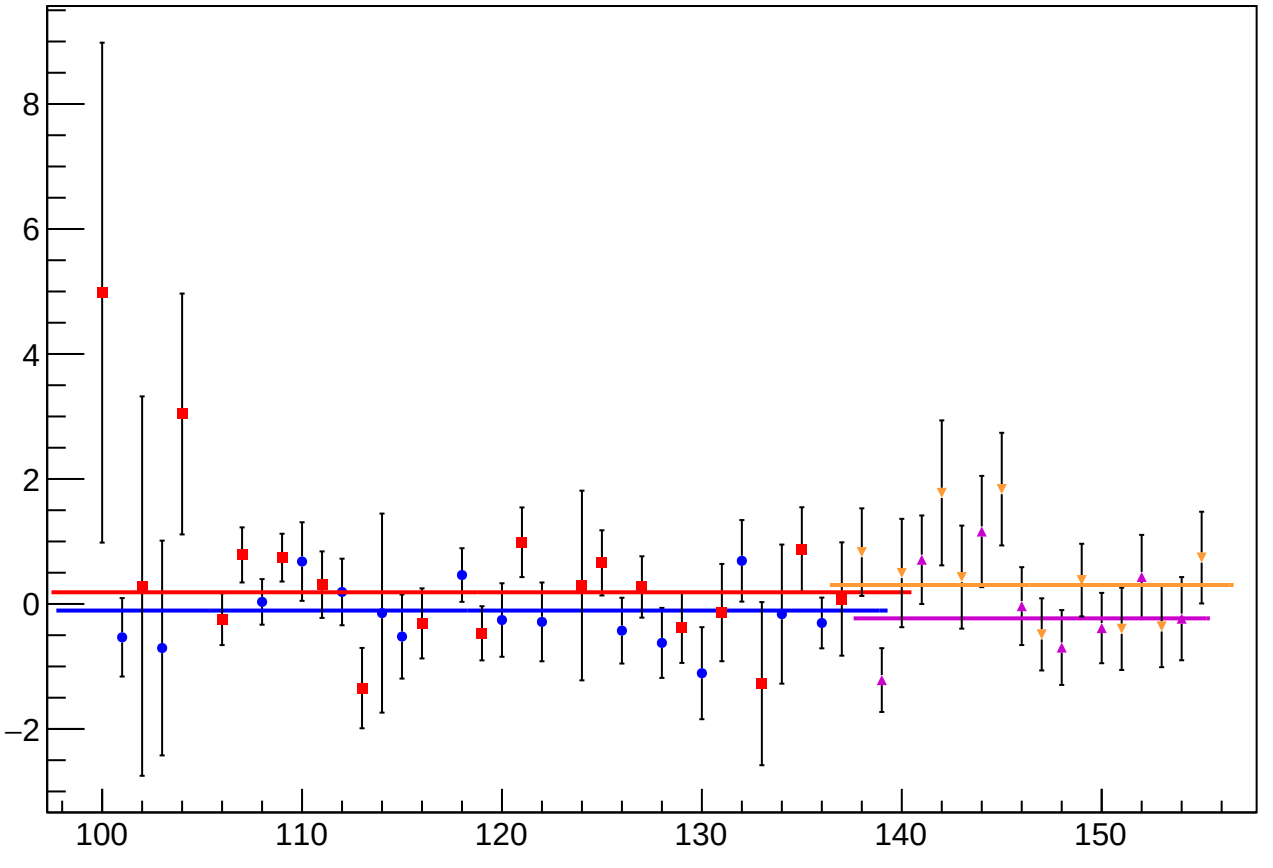
Left: 601.287+/-0.113 χ^2/NDF: 748853.7/17

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 425.886+/-0.086 χ^2/NDF:3054140.5/23

Out: 408.995+/-0.083 χ^2/NDF:5060893.1/28

All: 417.176+/-0.060 χ^2/NDF: 8134998.4/52



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.303+/-0.228 χ^2/NDF:9.6/9

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.230+/-0.223 χ^2/NDF:9.7/7

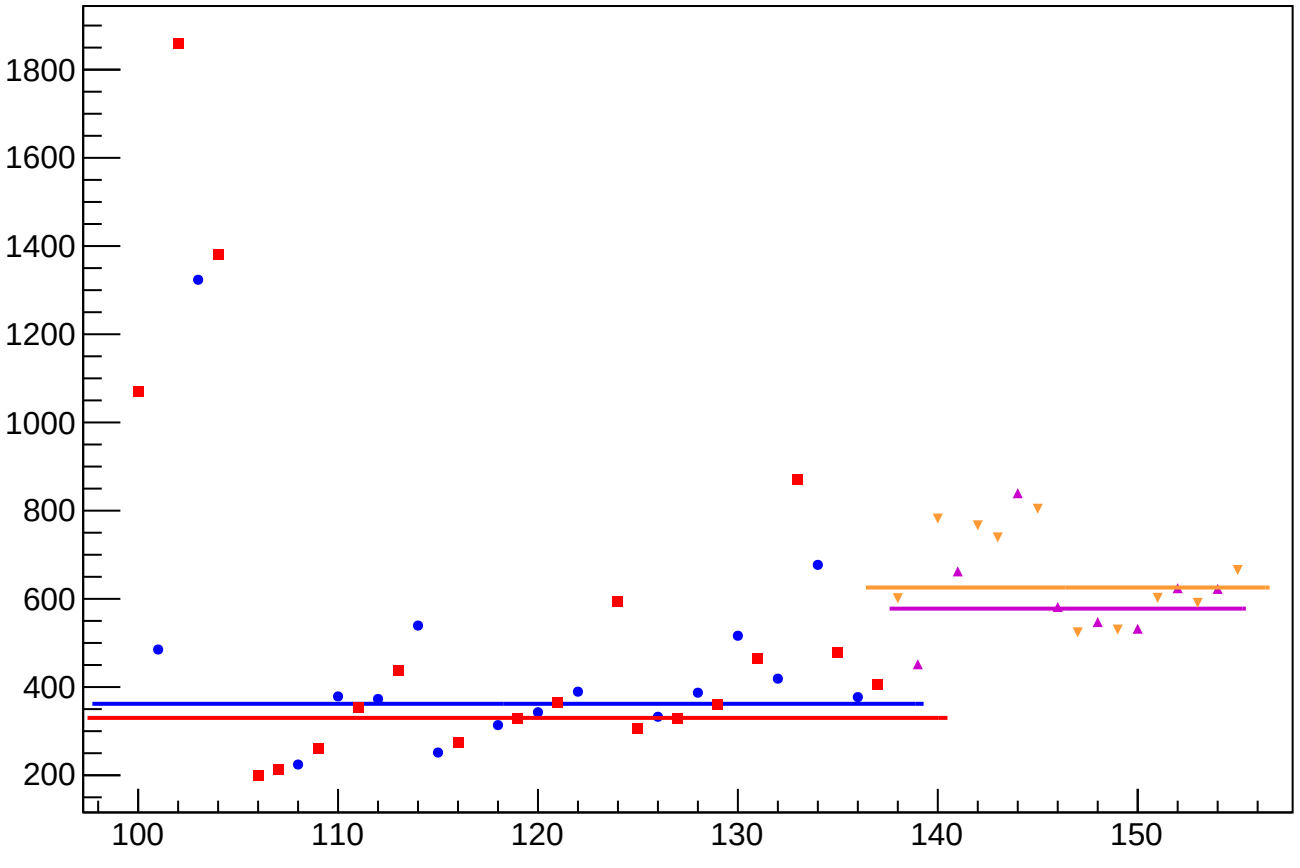
Left: 0.031+/-0.159 χ^2/NDF: 22.0/17

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.142+/-0.121 χ^2/NDF:19.6/23

Out: 0.218+/-0.118 χ^2/NDF:33.6/28

All: 0.043+/-0.084 χ^2/NDF: 57.8/52



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 625.709+/-0.161 χ^2/NDF:343378.7/9

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 577.826+/-0.158 χ^2/NDF:360372.2/7

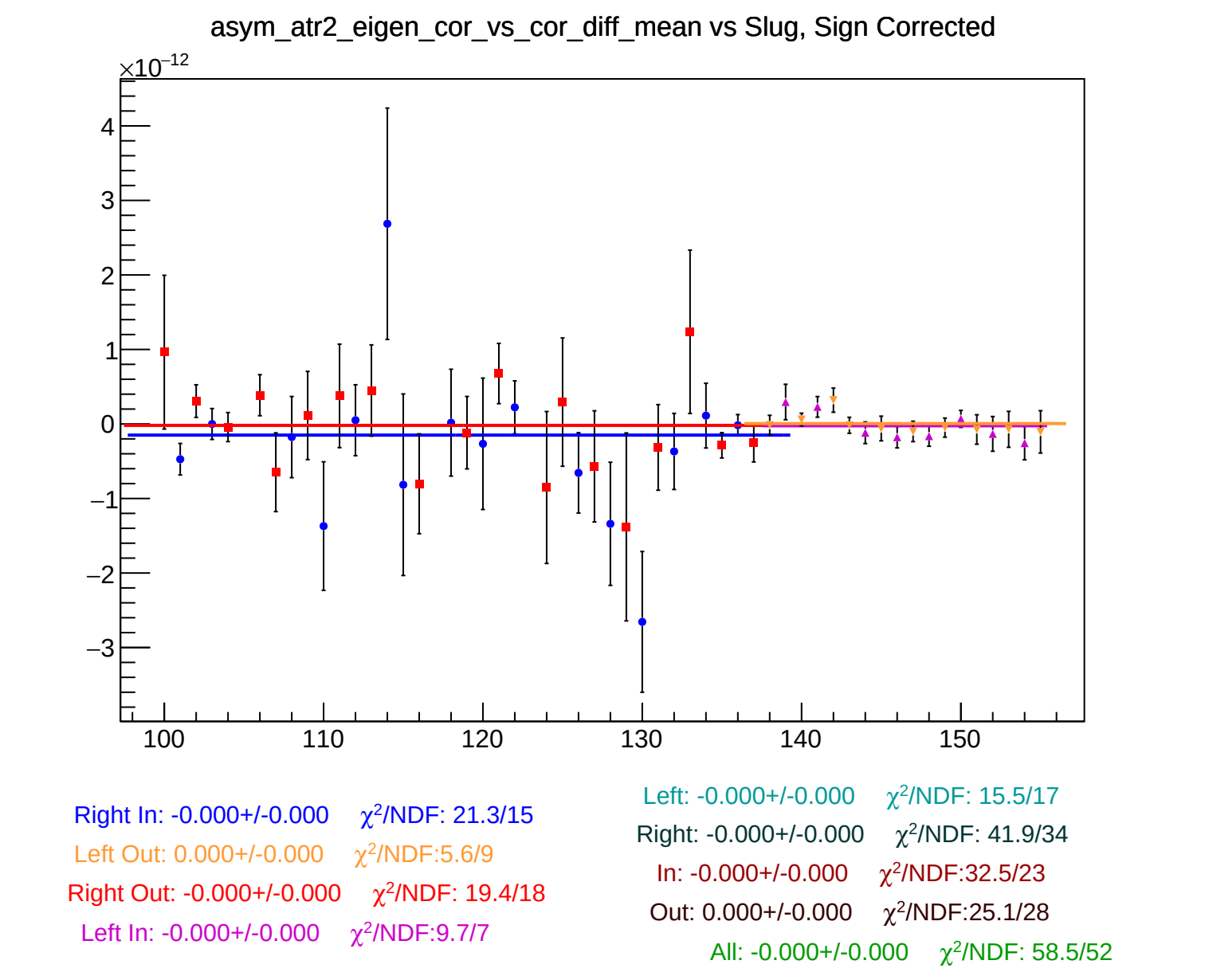
Left: 601.287+/-0.113 χ^2/NDF: 748853.7/17

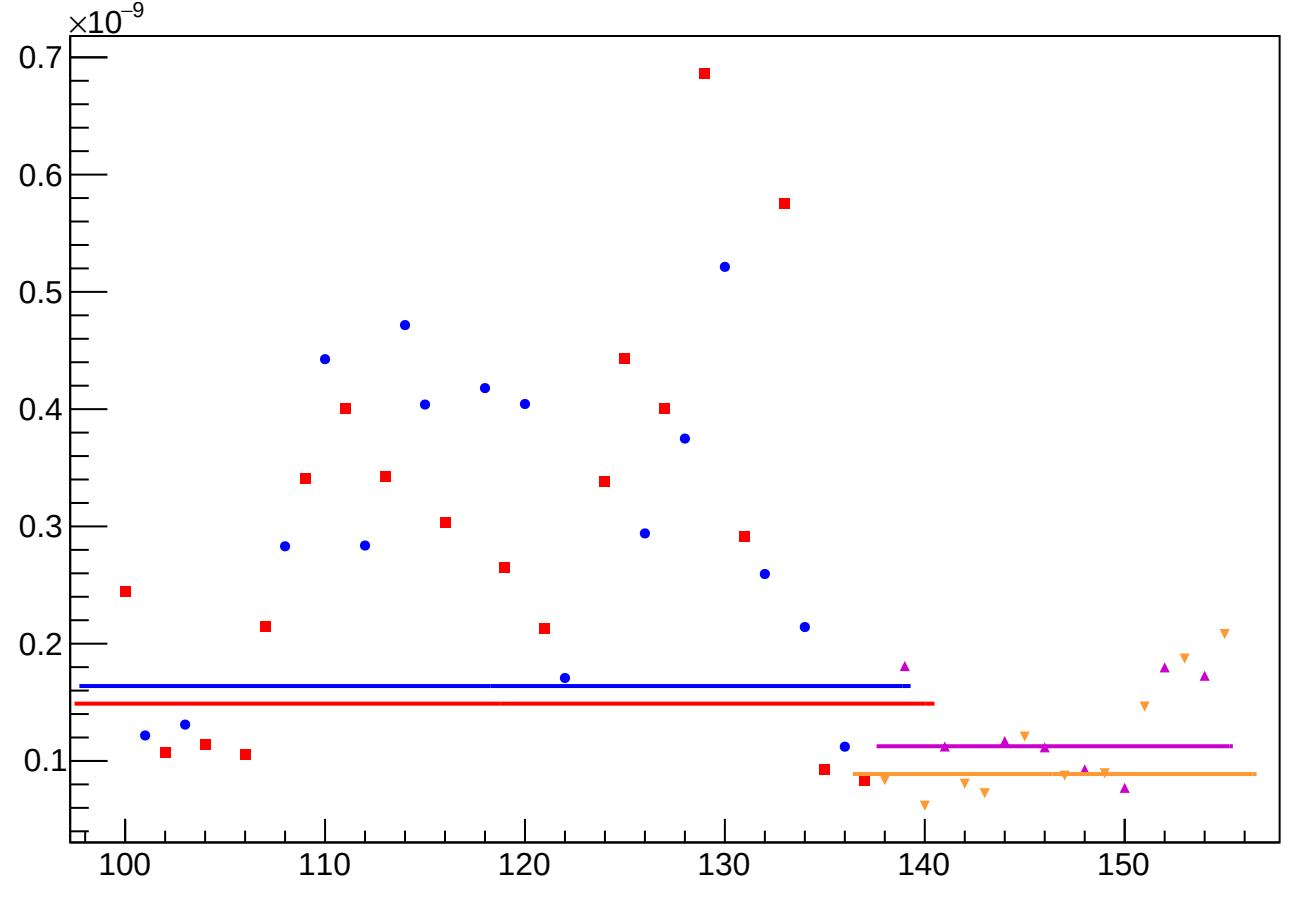
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 425.886+/-0.086 χ^2/NDF:3054140.5/23

Out: 408.995+/-0.083 χ^2/NDF:5060893.1/28

All: 417.176+/-0.060 χ^2/NDF: 8134998.4/52


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:5.6/9
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:9.7/7
Left: -0.000+/-0.000 χ²/NDF: 15.5/17
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:32.5/23
Out: 0.000+/-0.000 χ²/NDF:25.1/28
All: -0.000+/-0.000 χ²/NDF: 58.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1187918.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:715185.2/7

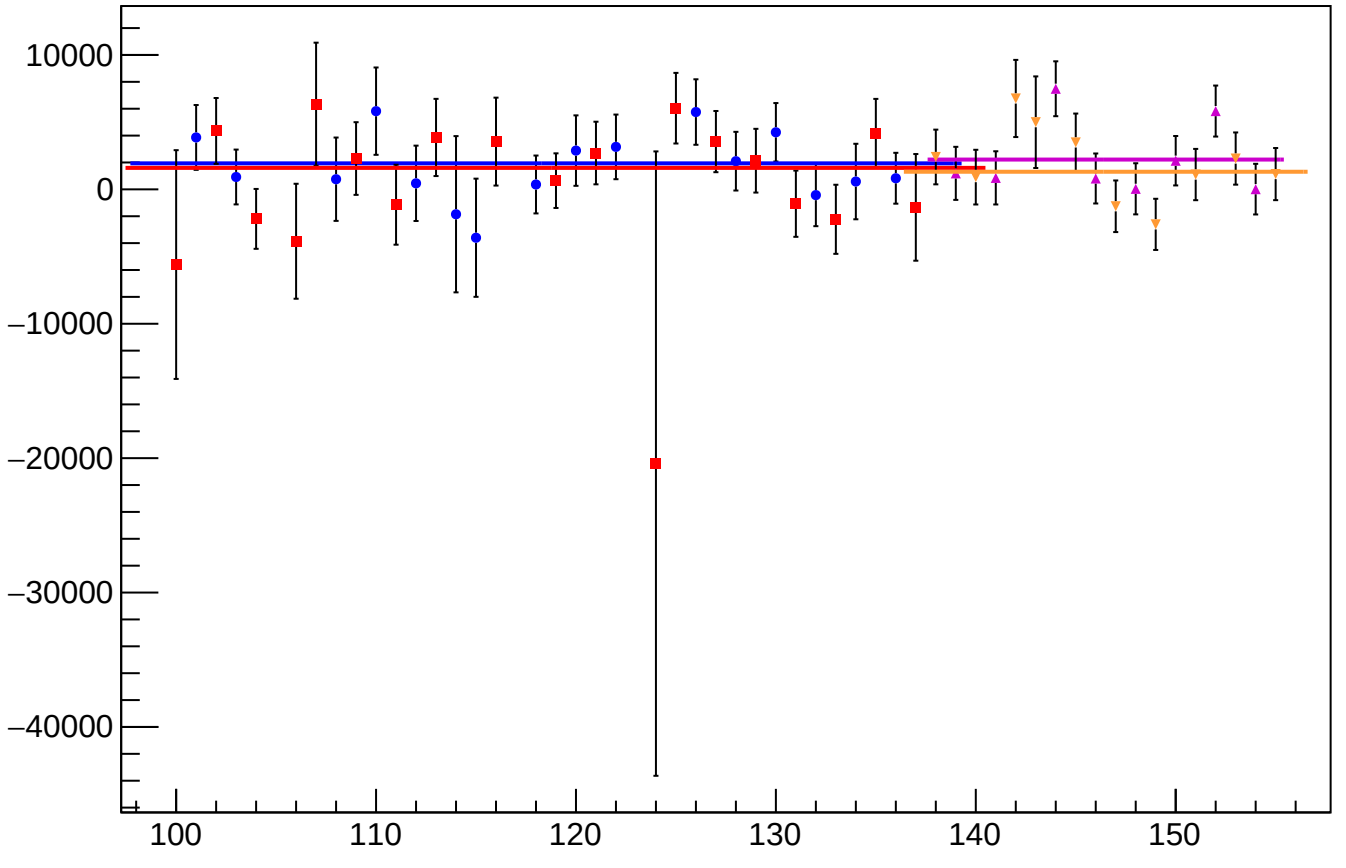
Left: 0.000+/-0.000 χ^2/NDF: 2133688.3/17

Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:3223645.8/23

Out: 0.000+/-0.000 χ^2/NDF:4846319.7/28

All: 0.000+/-0.000 χ^2/NDF: 8423213.4/52



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1310.333+/-665.196 χ^2/NDF:12.4/9

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2216.983+/-678.447 χ^2/NDF:14.3/7

Left: 1754.717+/-474.980 χ^2/NDF: 27.6/17

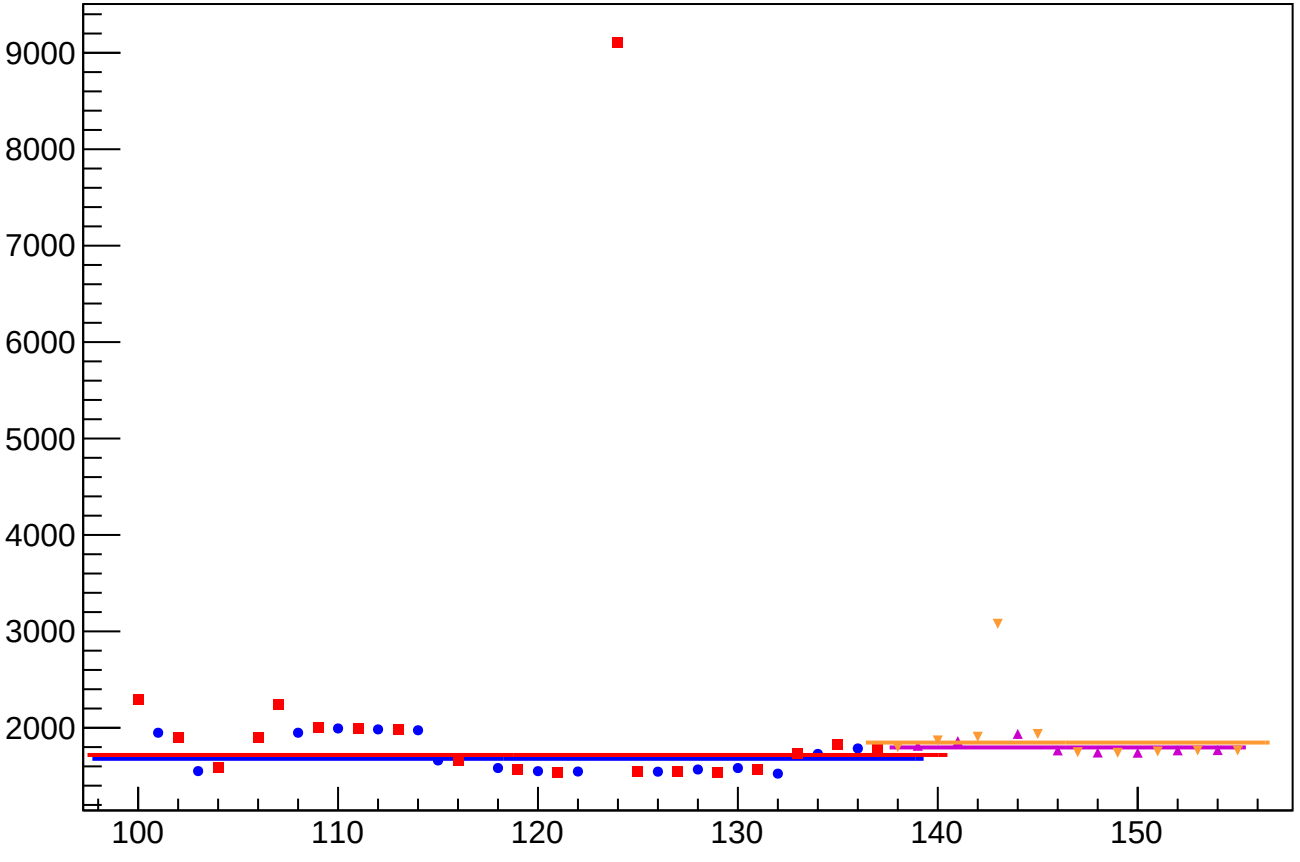
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2064.959+/-460.817 χ^2/NDF:25.2/23

Out: 1459.202+/-462.022 χ^2/NDF:31.9/28

All: 1762.872+/-326.272 χ^2/NDF: 58.0/52

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1847.027+/-0.470 χ^2/NDF:290509.7/9

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1796.394+/-0.480 χ^2/NDF:16555.7/7

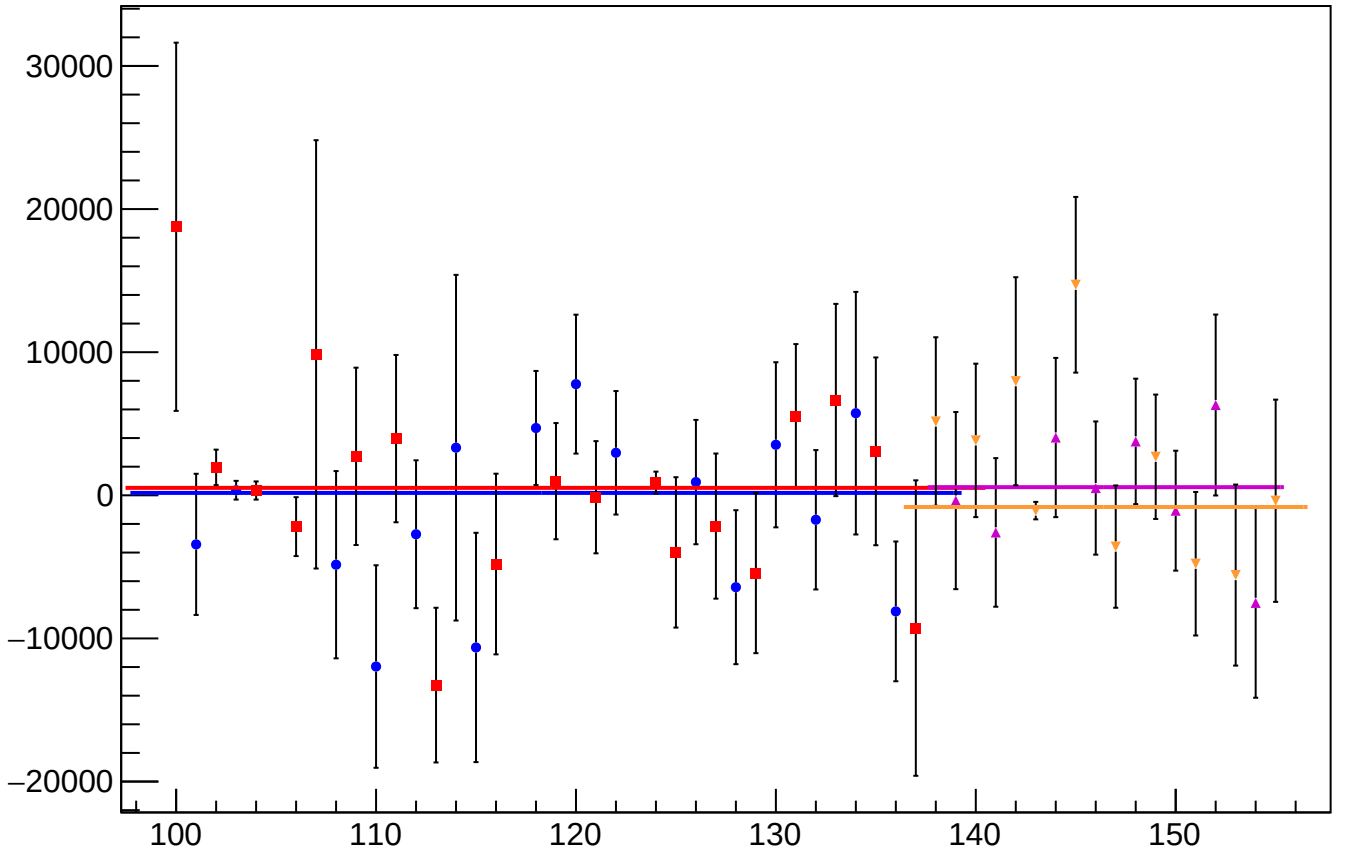
Left: 1822.210+/-0.336 χ^2/NDF: 312745.0/17

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1732.913+/-0.326 χ^2/NDF:190545.4/23

Out: 1780.103+/-0.326 χ^2/NDF:712624.4/28

All: 1756.504+/-0.230 χ^2/NDF: 913654.9/52



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -816.560+/-578.734 χ^2/NDF:12.1/9

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 569.237+/-1830.368 χ^2/NDF:3.8/7

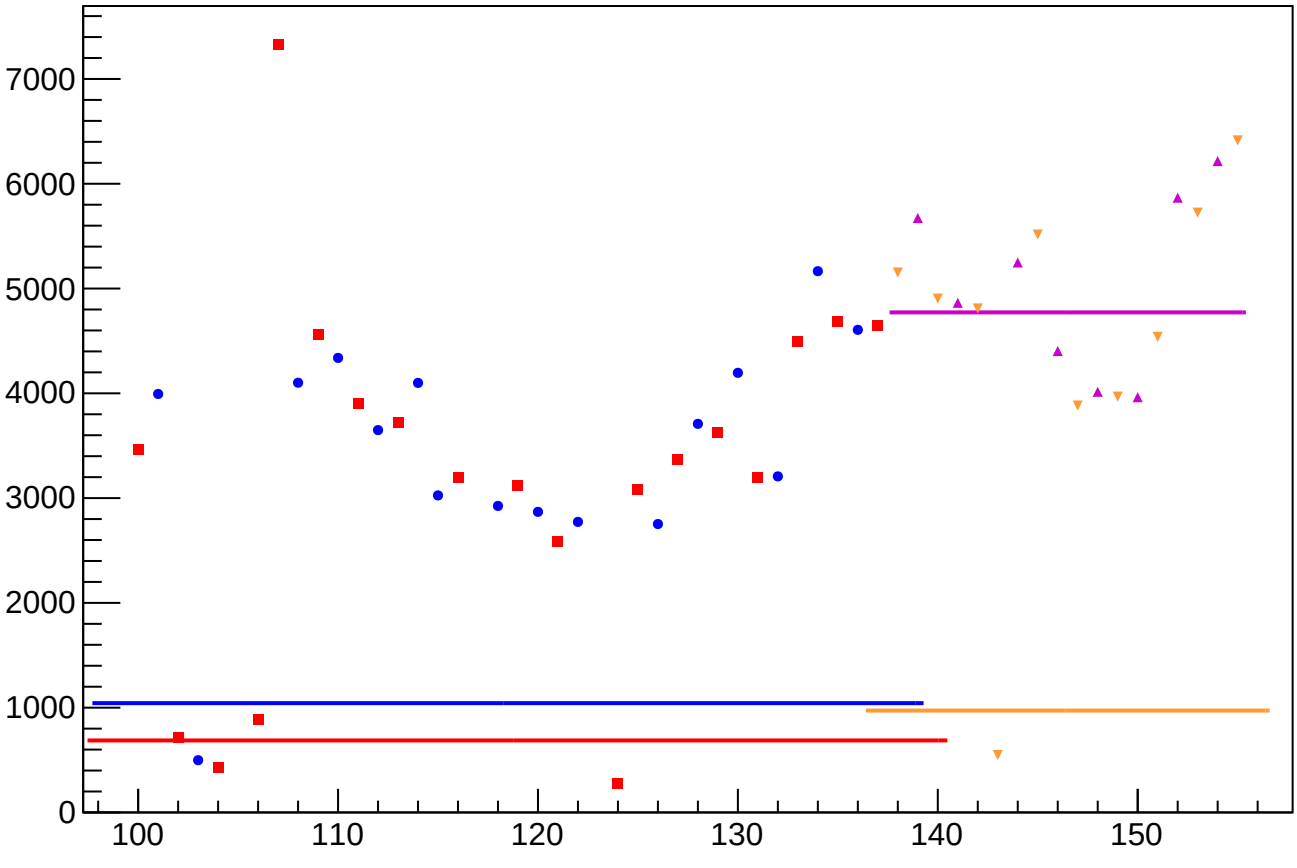
Left: -690.609+/-551.809 χ^2/NDF: 16.4/17

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 206.208+/-562.932 χ^2/NDF:19.7/23

Out: 52.752+/-342.440 χ^2/NDF:34.1/28

All: 94.200+/-292.562 χ^2/NDF: 53.8/52



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 972.320+/-0.409 χ^2/NDF:9909275.1/9

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 4772.383+/-1.294 χ^2/NDF:359453.3/7

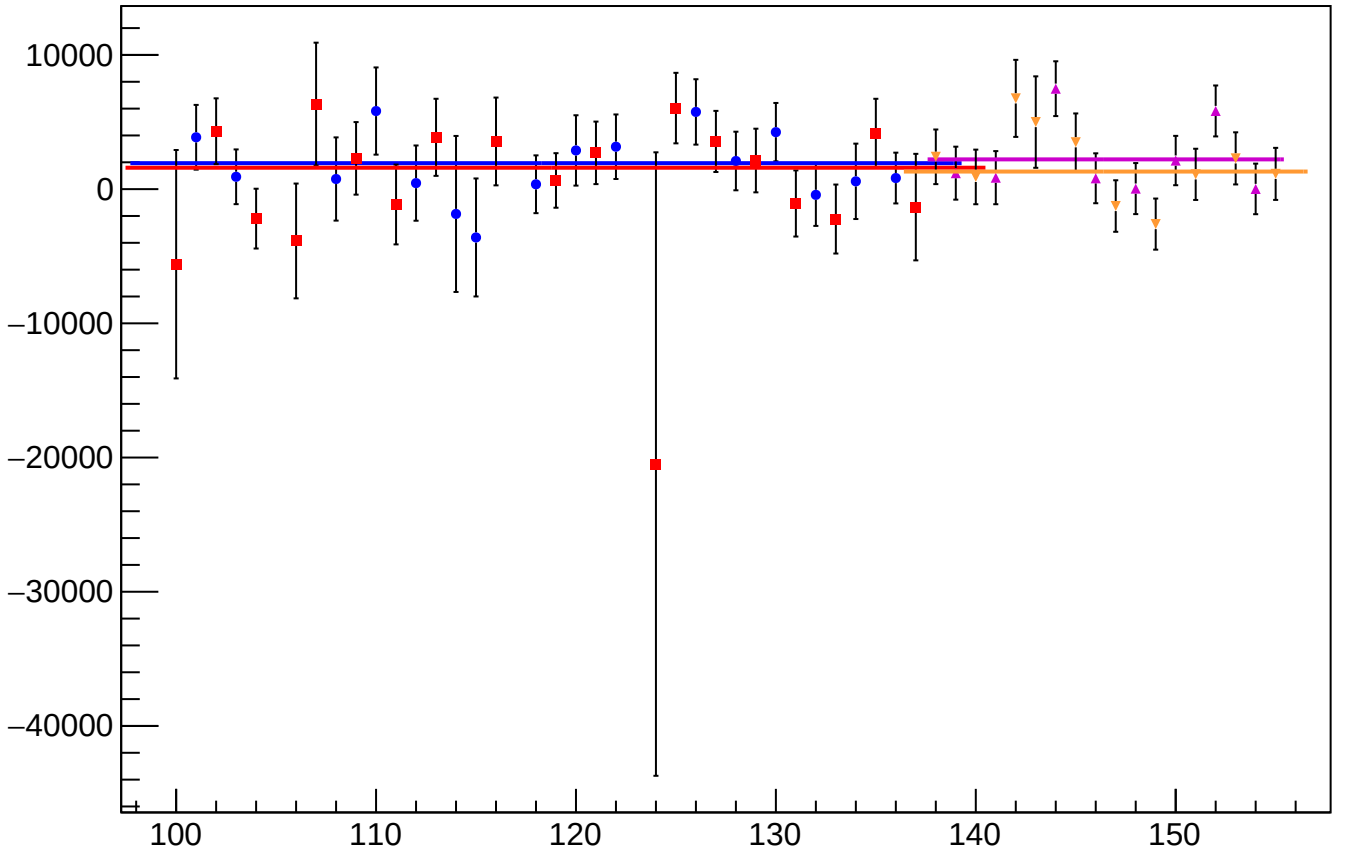
Left: 1317.695+/-0.390 χ^2/NDF: 18105781.8/17

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1395.860+/-0.398 χ^2/NDF:15988377.9/23

Out: 787.109+/-0.242 χ^2/NDF:18855991.6/28

All: 951.532+/-0.207 χ^2/NDF: 36551481.7/52



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1310.293+/-665.196 χ^2/NDF:12.4/9

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2217.220+/-678.447 χ^2/NDF:14.3/7

Left: 1754.813+/-474.980 χ^2/NDF: 27.6/17

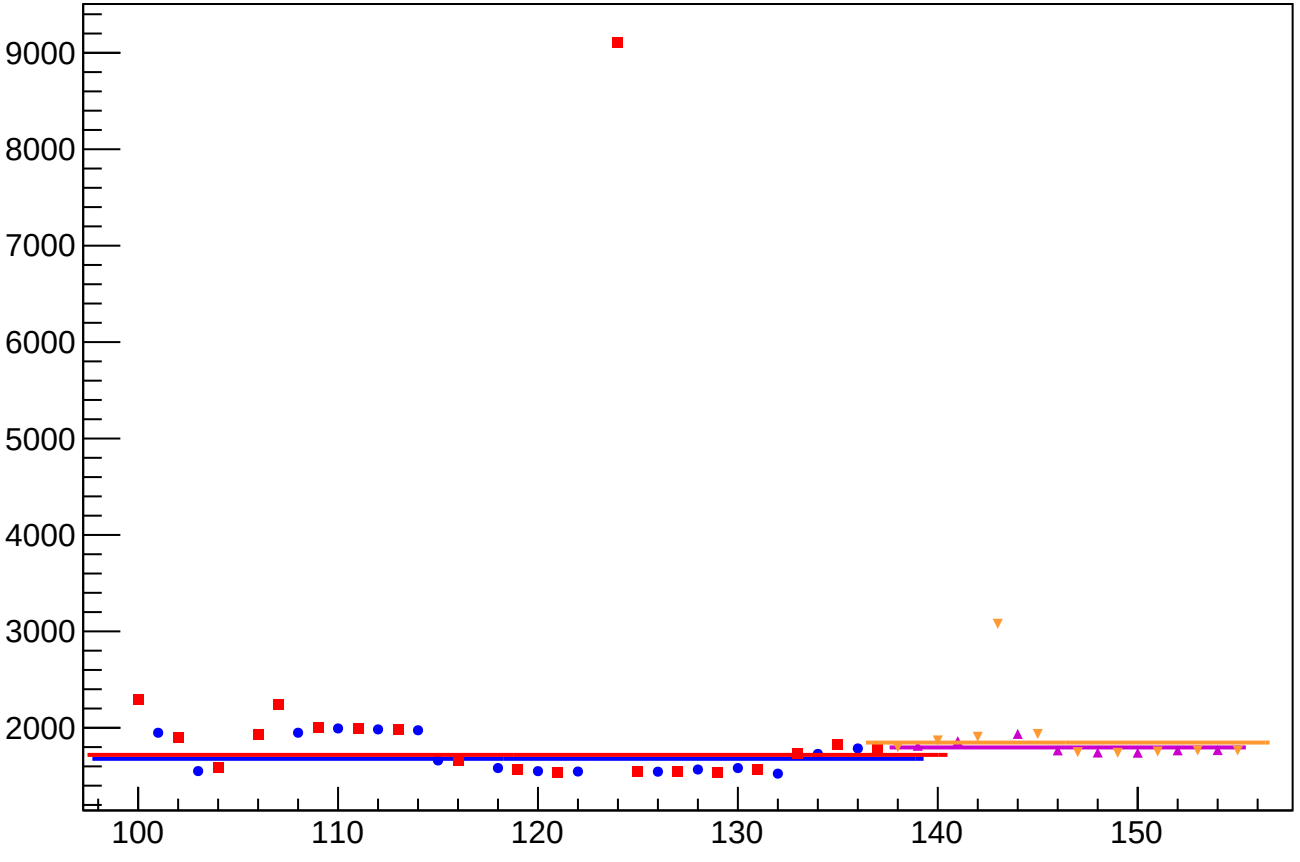
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2065.131+/-460.817 χ^2/NDF:25.2/23

Out: 1457.920+/-462.024 χ^2/NDF:31.9/28

All: 1762.320+/-326.273 χ^2/NDF: 58.0/52

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1847.027+/-0.470 χ^2/NDF:290509.7/9

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1796.394+/-0.480 χ^2/NDF:16555.7/7

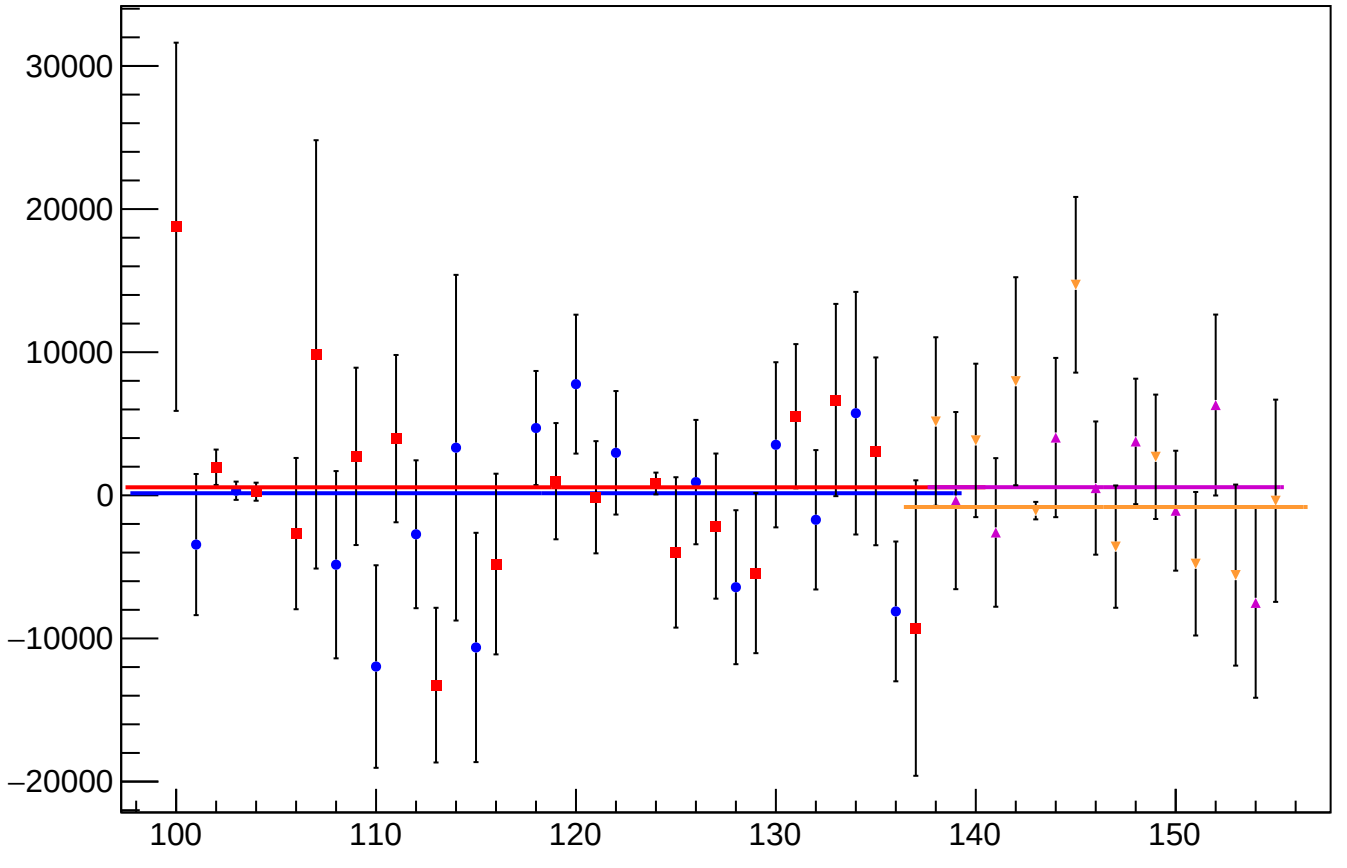
Left: 1822.210+/-0.336 χ^2/NDF: 312745.0/17

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1732.913+/-0.326 χ^2/NDF:190545.5/23

Out: 1780.568+/-0.326 χ^2/NDF:713846.1/28

All: 1756.730+/-0.230 χ^2/NDF: 915081.8/52



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -816.214+/-578.713 χ^2/NDF:12.1/9

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 569.378+/-1830.366 χ^2/NDF:3.8/7

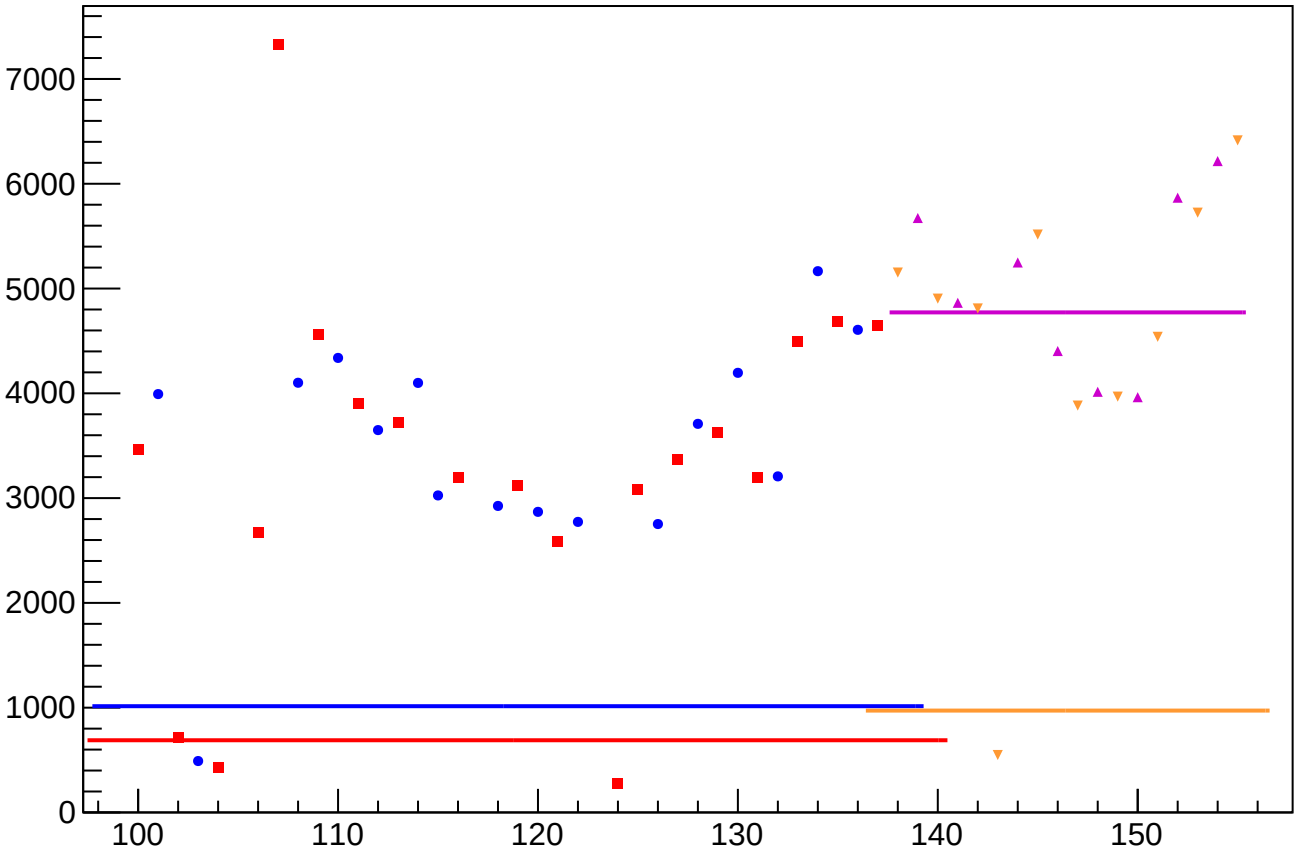
Left: -690.290+/-551.790 χ^2/NDF: 16.4/17

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 185.053+/-552.347 χ^2/NDF:19.6/23

Out: 70.495+/-345.473 χ^2/NDF:32.9/28

All: 102.708+/-292.899 χ^2/NDF: 52.6/52



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 972.269+/-0.409 χ^2/NDF:9909457.5/9

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4772.376+/-1.294 χ^2/NDF:359460.0/7

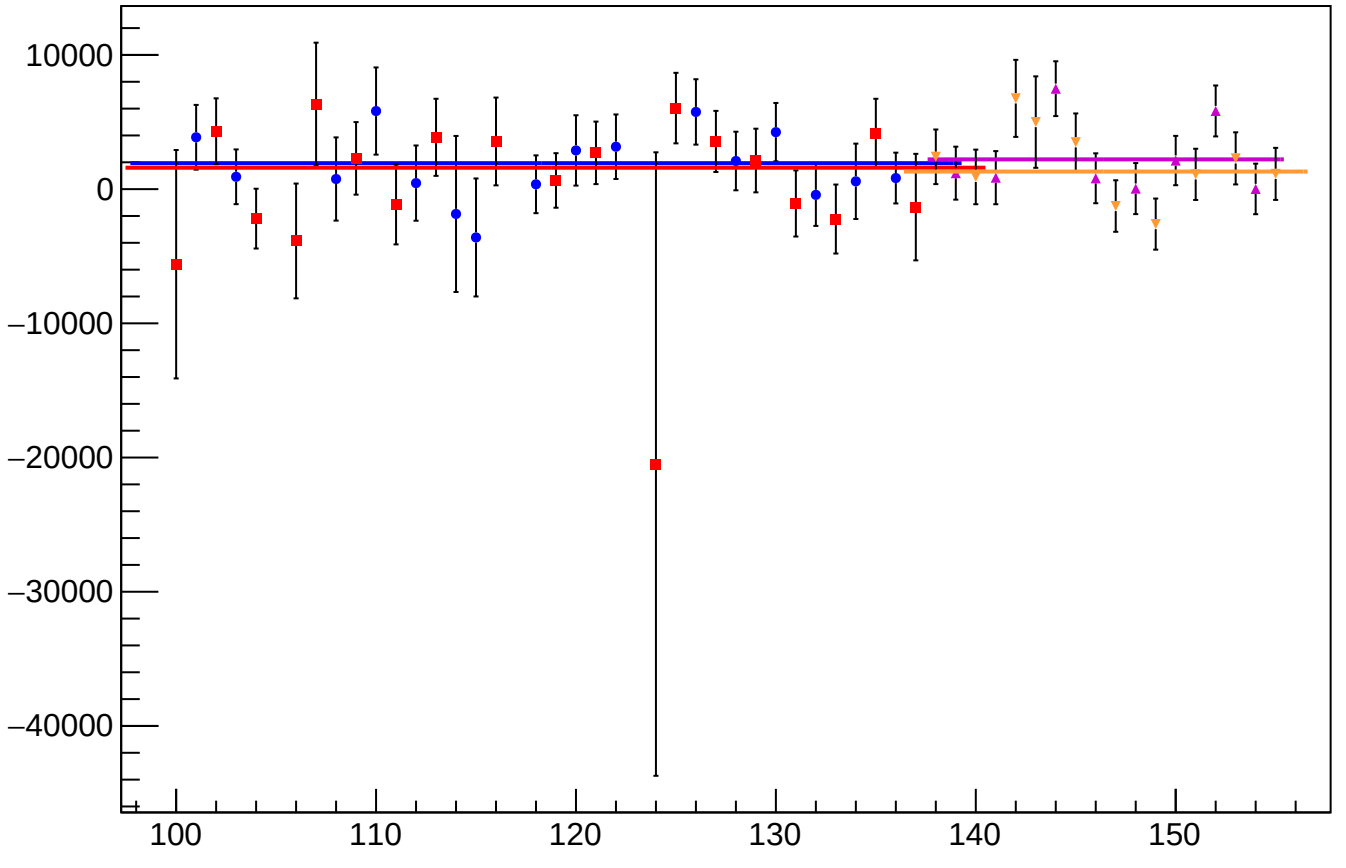
Left: 1317.625+/-0.390 χ^2/NDF: 18106222.5/17

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1356.340+/-0.391 χ^2/NDF:16246660.0/23

Out: 789.984+/-0.244 χ^2/NDF:19128119.0/28

All: 949.242+/-0.207 χ^2/NDF: 36886232.0/52



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1310.293+/-665.196 χ^2/NDF:12.4/9

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2217.220+/-678.447 χ^2/NDF:14.3/7

Left: 1754.813+/-474.980 χ^2/NDF: 27.6/17

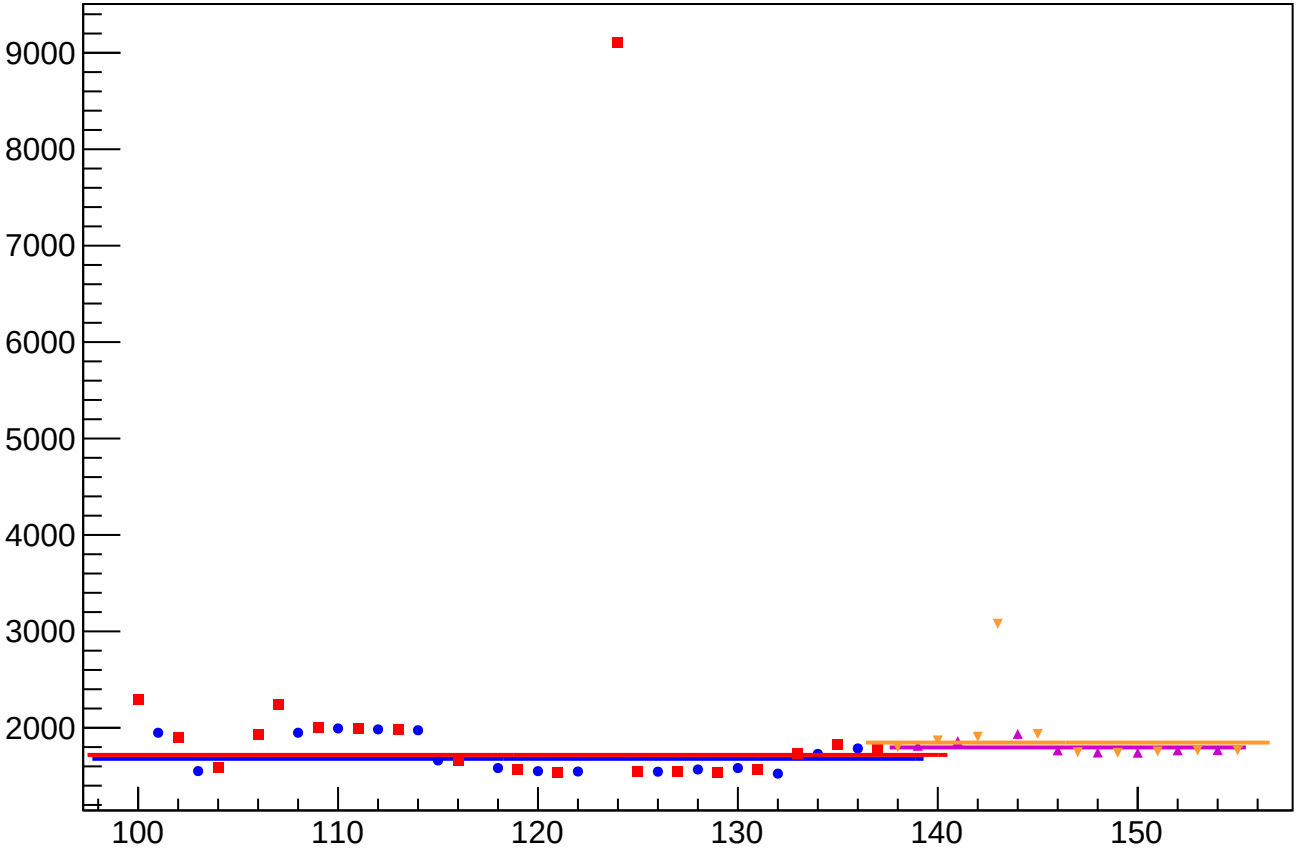
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2065.131+/-460.817 χ^2/NDF:25.2/23

Out: 1457.920+/-462.024 χ^2/NDF:31.9/28

All: 1762.320+/-326.273 χ^2/NDF: 58.0/52

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1847.027+/-0.470 χ^2/NDF:290509.7/9

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1796.394+/-0.480 χ^2/NDF:16555.7/7

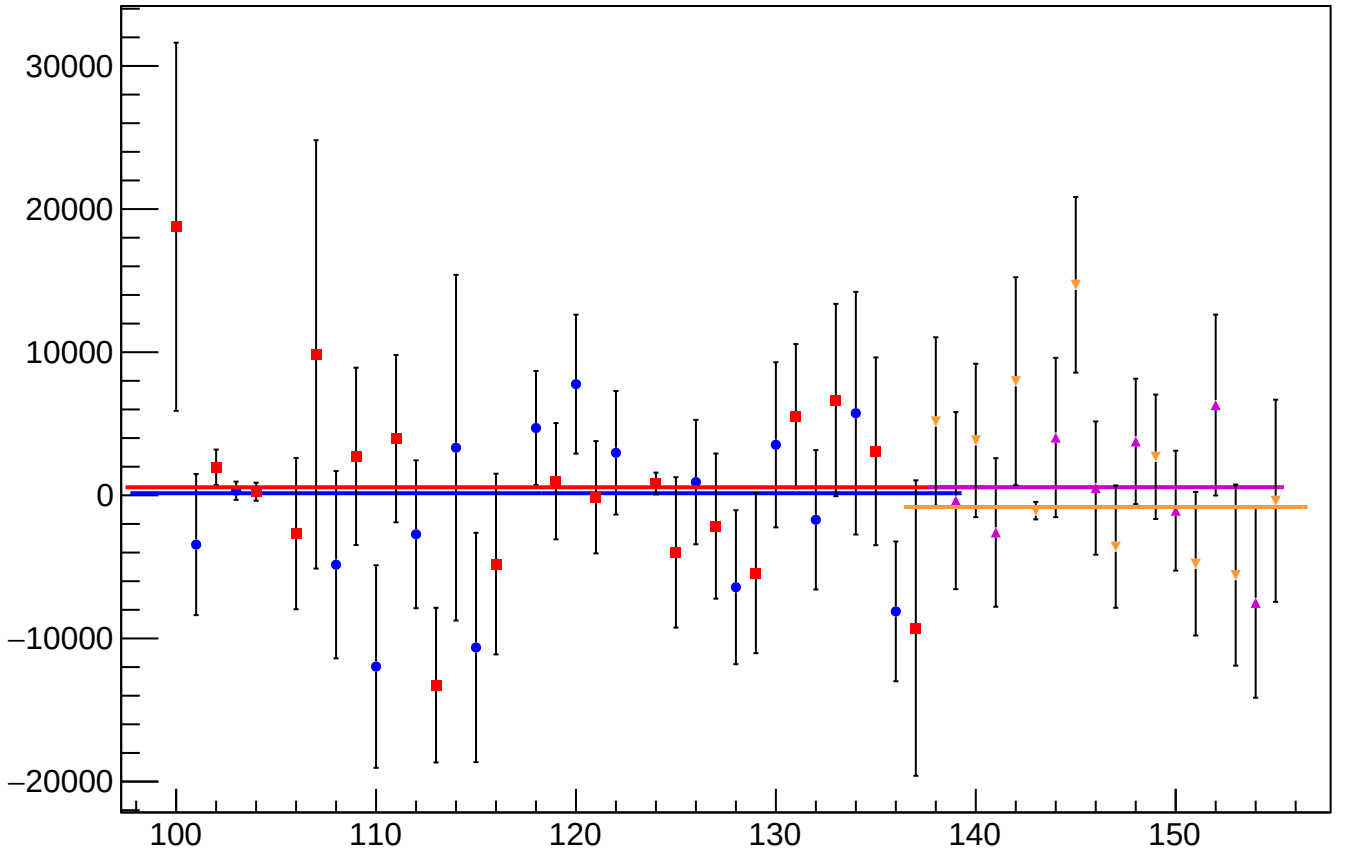
Left: 1822.210+/-0.336 χ^2/NDF: 312745.0/17

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1732.913+/-0.326 χ^2/NDF:190545.5/23

Out: 1780.568+/-0.326 χ^2/NDF:713846.1/28

All: 1756.730+/-0.230 χ^2/NDF: 915081.8/52



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -816.214+/-578.713 χ^2/NDF:12.1/9

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 569.378+/-1830.366 χ^2/NDF:3.8/7

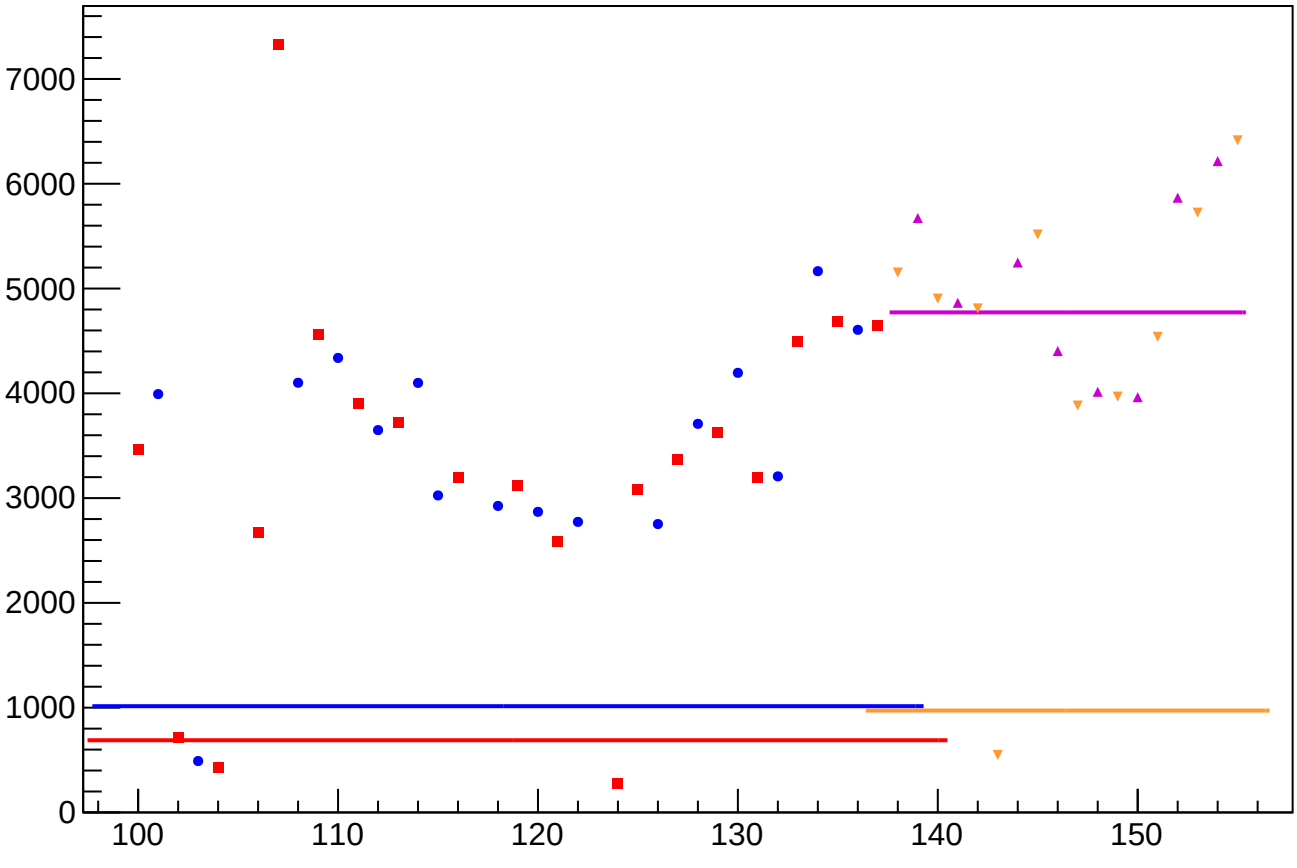
Left: -690.290+/-551.790 χ^2/NDF: 16.4/17

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 185.053+/-552.347 χ^2/NDF:19.6/23

Out: 70.495+/-345.473 χ^2/NDF:32.9/28

All: 102.708+/-292.899 χ^2/NDF: 52.6/52



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 972.269+/-0.409 χ^2/NDF:9909457.5/9

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4772.376+/-1.294 χ^2/NDF:359460.0/7

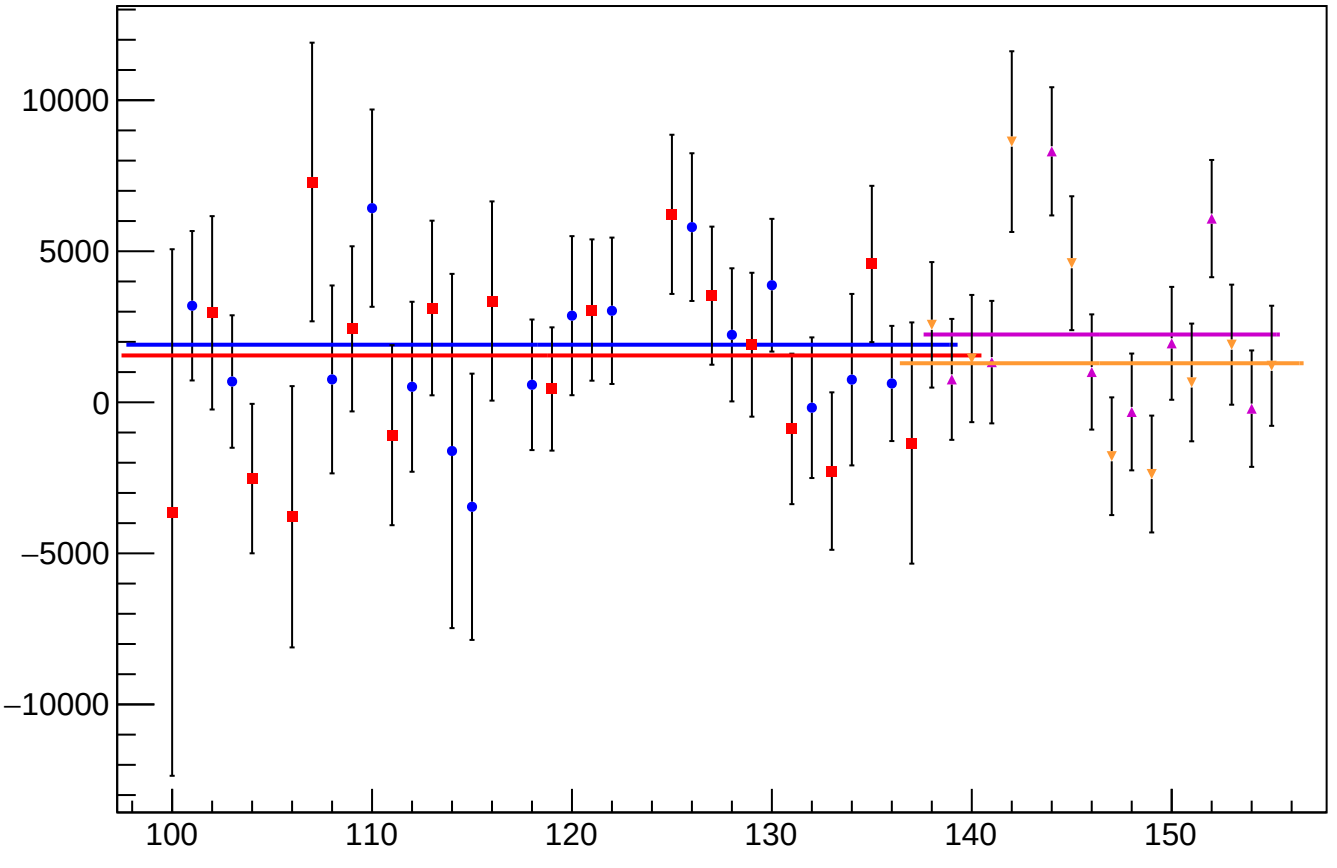
Left: 1317.625+/-0.390 χ^2/NDF: 18106222.5/17

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1356.340+/-0.391 χ^2/NDF:16246660.0/23

Out: 789.984+/-0.244 χ^2/NDF:19128119.0/28

All: 949.242+/-0.207 χ^2/NDF: 36886232.0/52



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1293.028+/-694.492 χ^2/NDF:14.9/8

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2244.514+/-693.578 χ^2/NDF:16.7/7

Left: 1769.397+/-490.757 χ^2/NDF: 32.5/16

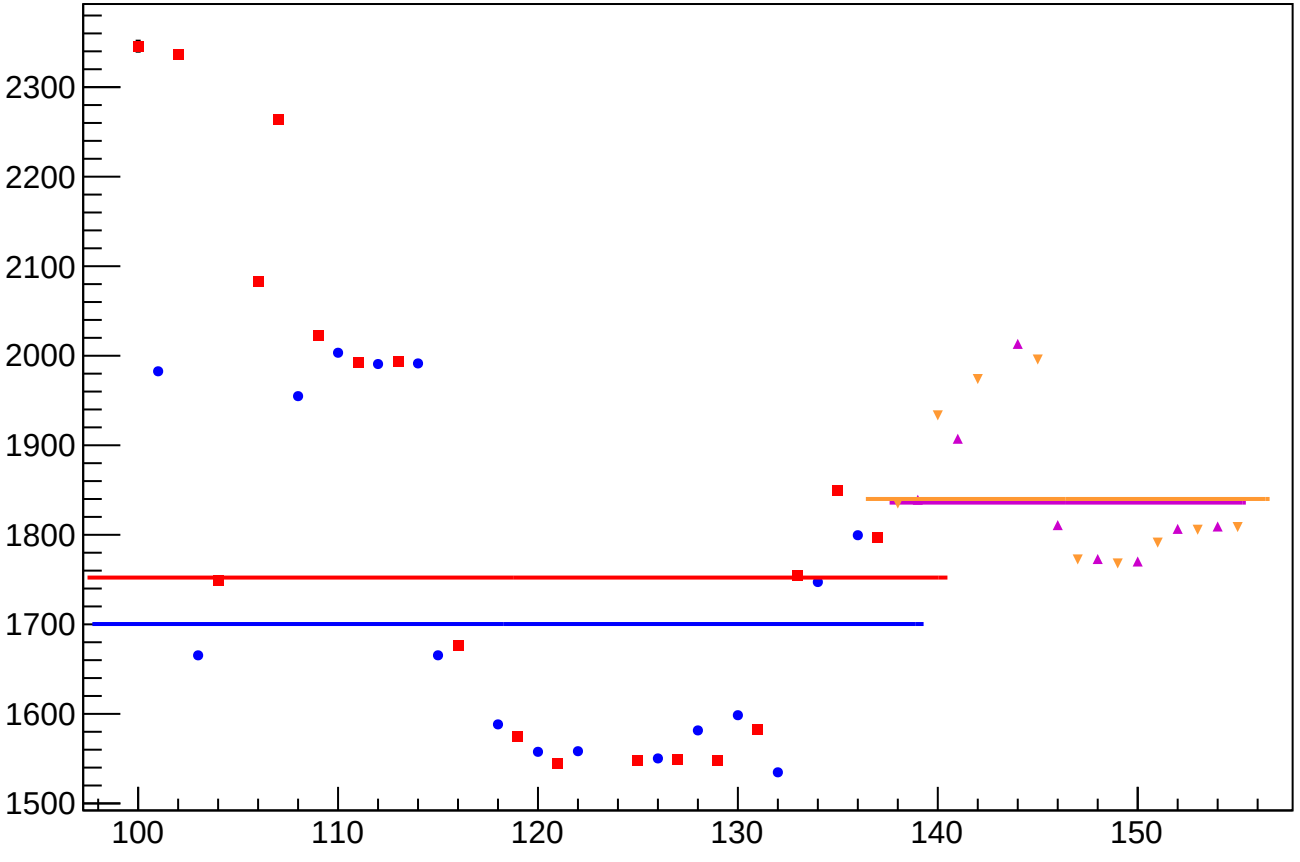
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2060.851+/-468.929 χ^2/NDF:27.0/23

Out: 1428.367+/-478.820 χ^2/NDF:32.4/26

All: 1751.209+/-335.025 χ^2/NDF: 60.4/50

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1840.034+/-0.491 χ^2/NDF:25362.9/8

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1835.959+/-0.490 χ^2/NDF:22233.4/7

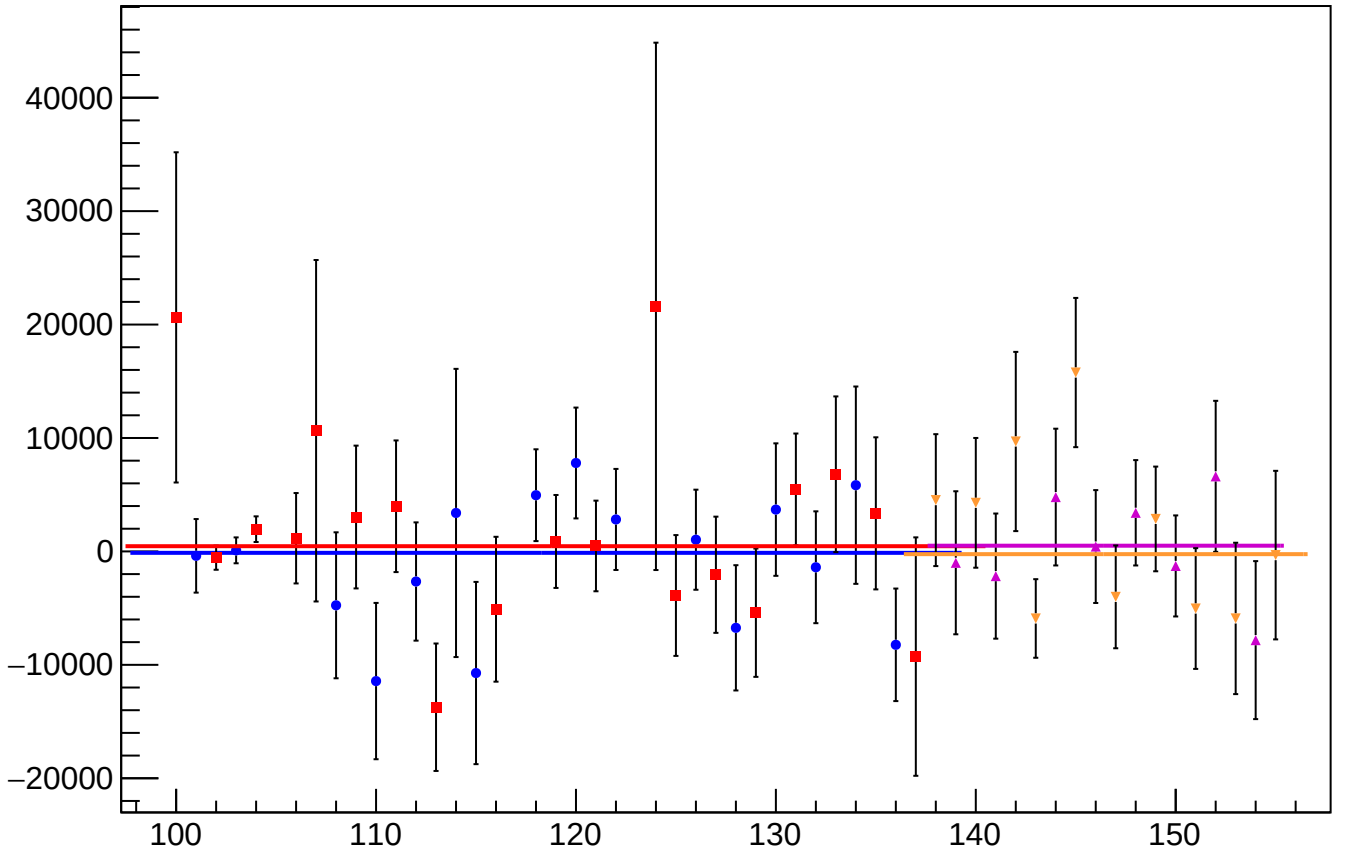
Left: 1837.994+/-0.347 χ^2/NDF: 47630.7/16

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1762.343+/-0.332 χ^2/NDF:199155.8/23

Out: 1793.872+/-0.338 χ^2/NDF:290121.0/26

All: 1777.797+/-0.237 χ^2/NDF: 493708.7/50



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -241.509+/-1680.404 χ^2/NDF:14.2/9

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 503.702+/-1939.415 χ^2/NDF:3.6/7

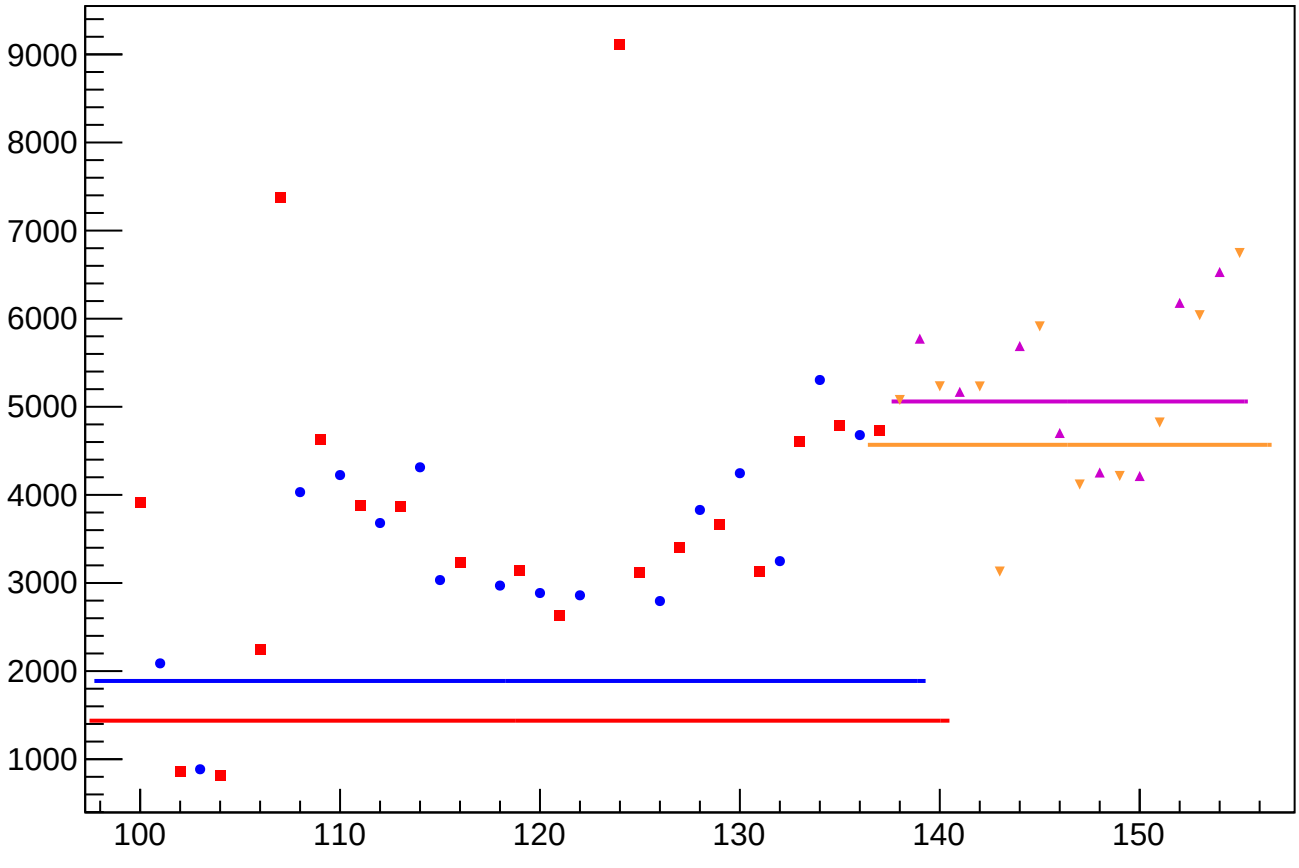
Left: 78.046+/-1270.000 χ^2/NDF: 17.9/17

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: -20.543+/-792.000 χ^2/NDF:18.8/23

Out: 361.011+/-629.673 χ^2/NDF:32.8/28

All: 213.239+/-492.882 χ^2/NDF: 51.7/52



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4568.364+/-1.188 χ^2/NDF:789674.8/9

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5060.200+/-1.371 χ^2/NDF:336514.1/7

Left: 4779.269+/-0.898 χ^2/NDF: 1199658.9/17

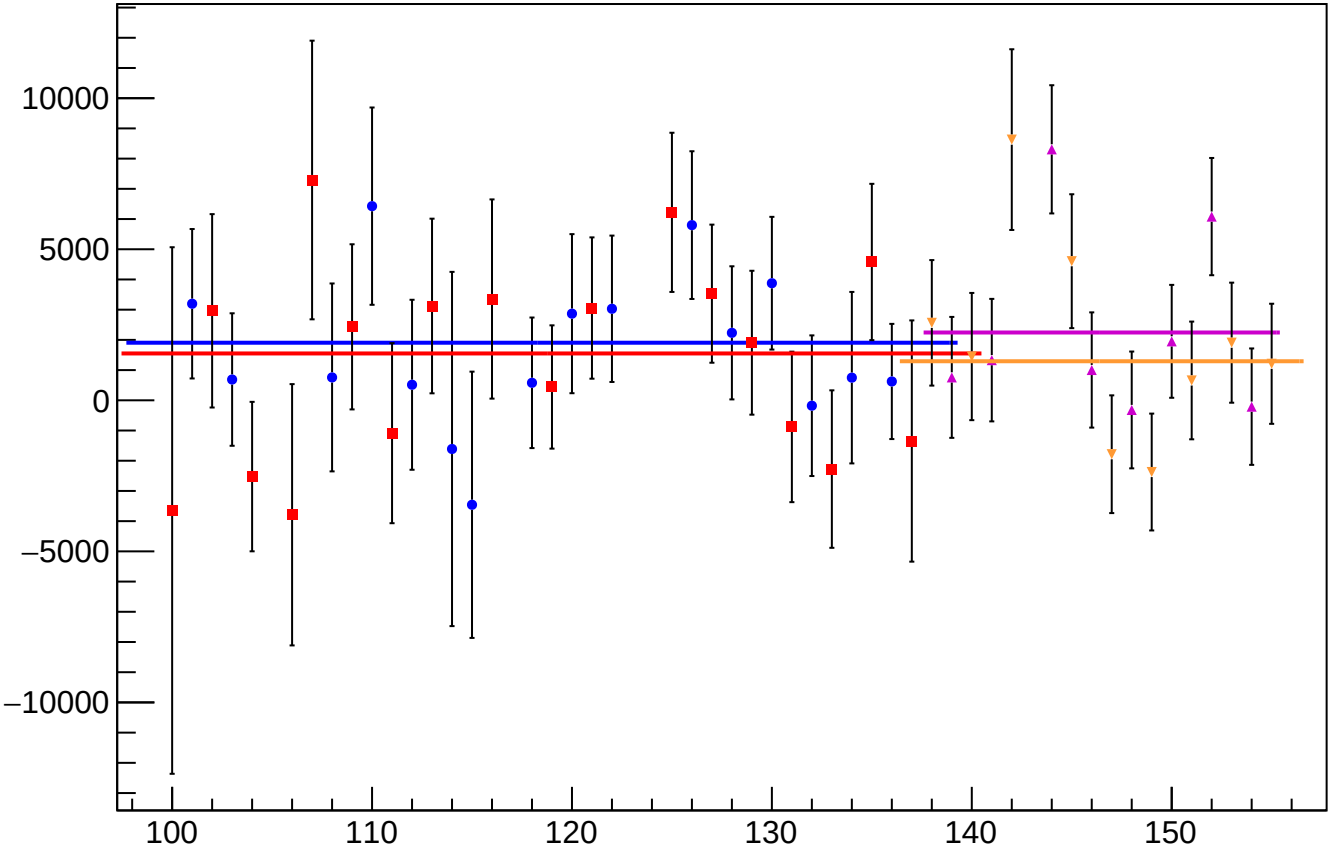
Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2417.016+/-0.560 χ^2/NDF:9220582.9/23

Out: 1876.773+/-0.445 χ^2/NDF:12723263.0/28

All: 2086.003+/-0.349 χ^2/NDF: 22514028.3/5

eigen_dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1293.034+/-694.492 χ^2/NDF:14.9/8

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2244.514+/-693.579 χ^2/NDF:16.7/7

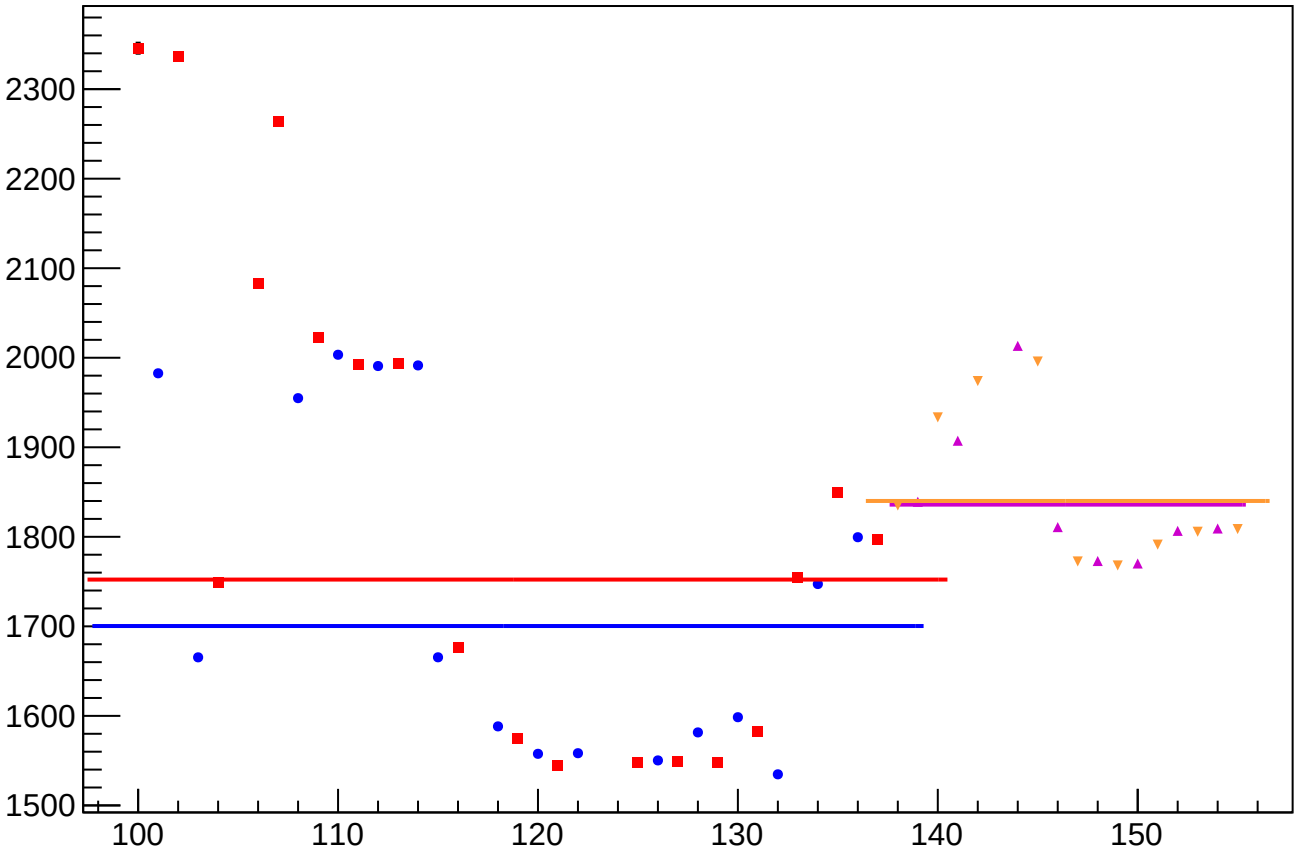
Left: 1769.400+/-490.757 χ^2/NDF: 32.5/16

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2060.850+/-468.930 χ^2/NDF:27.0/23

Out: 1428.368+/-478.821 χ^2/NDF:32.4/26

All: 1751.209+/-335.026 χ^2/NDF: 60.4/50



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1840.035+/-0.491 χ^2/NDF:25363.3/8

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1835.960+/-0.490 χ^2/NDF:22233.7/7

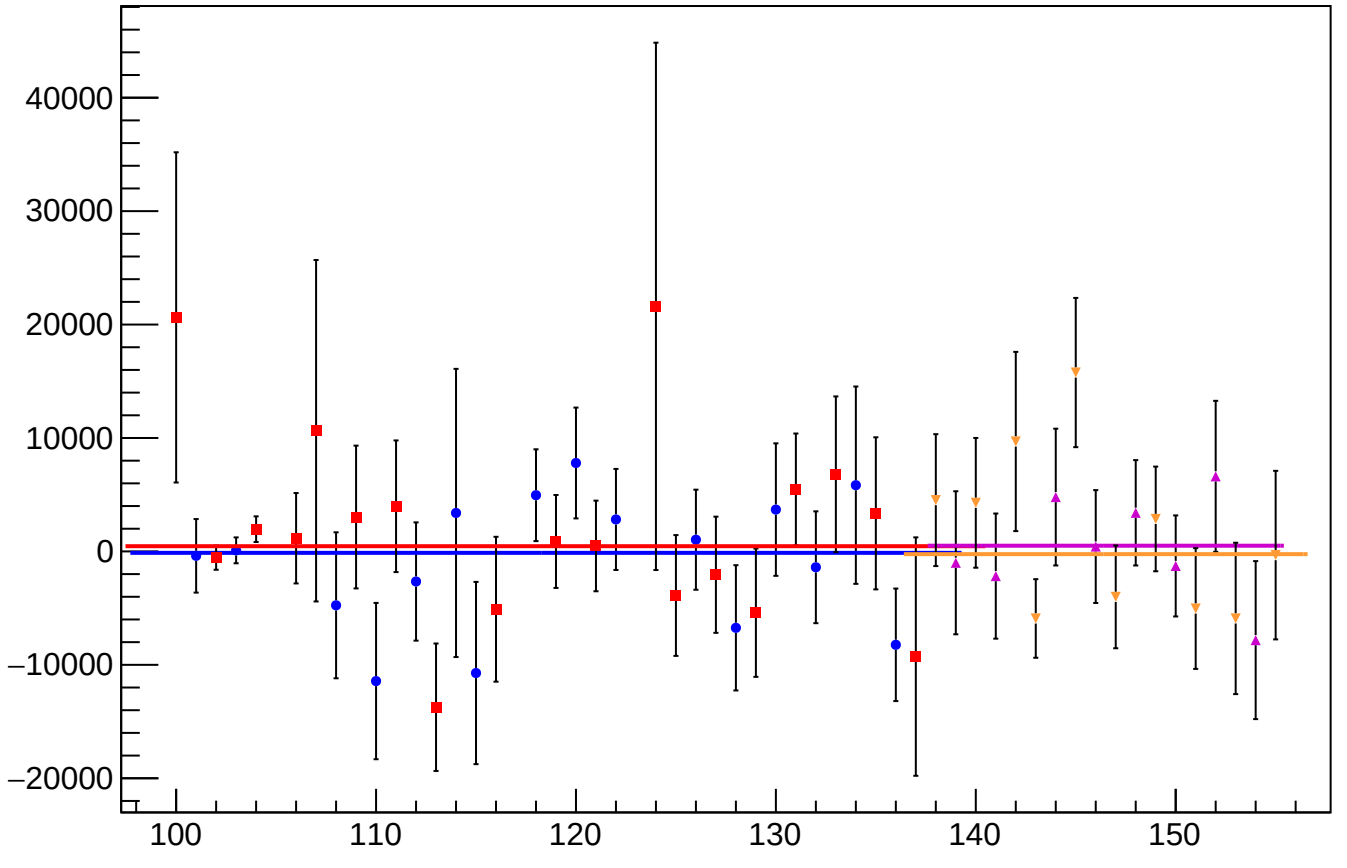
Left: 1837.995+/-0.347 χ^2/NDF: 47631.5/16

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1762.343+/-0.332 χ^2/NDF:199157.2/23

Out: 1793.872+/-0.338 χ^2/NDF:290121.5/26

All: 1777.797+/-0.237 χ^2/NDF: 493710.6/50



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -241.514+/-1680.405 χ^2/NDF:14.2/9

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 503.703+/-1939.417 χ^2/NDF:3.6/7

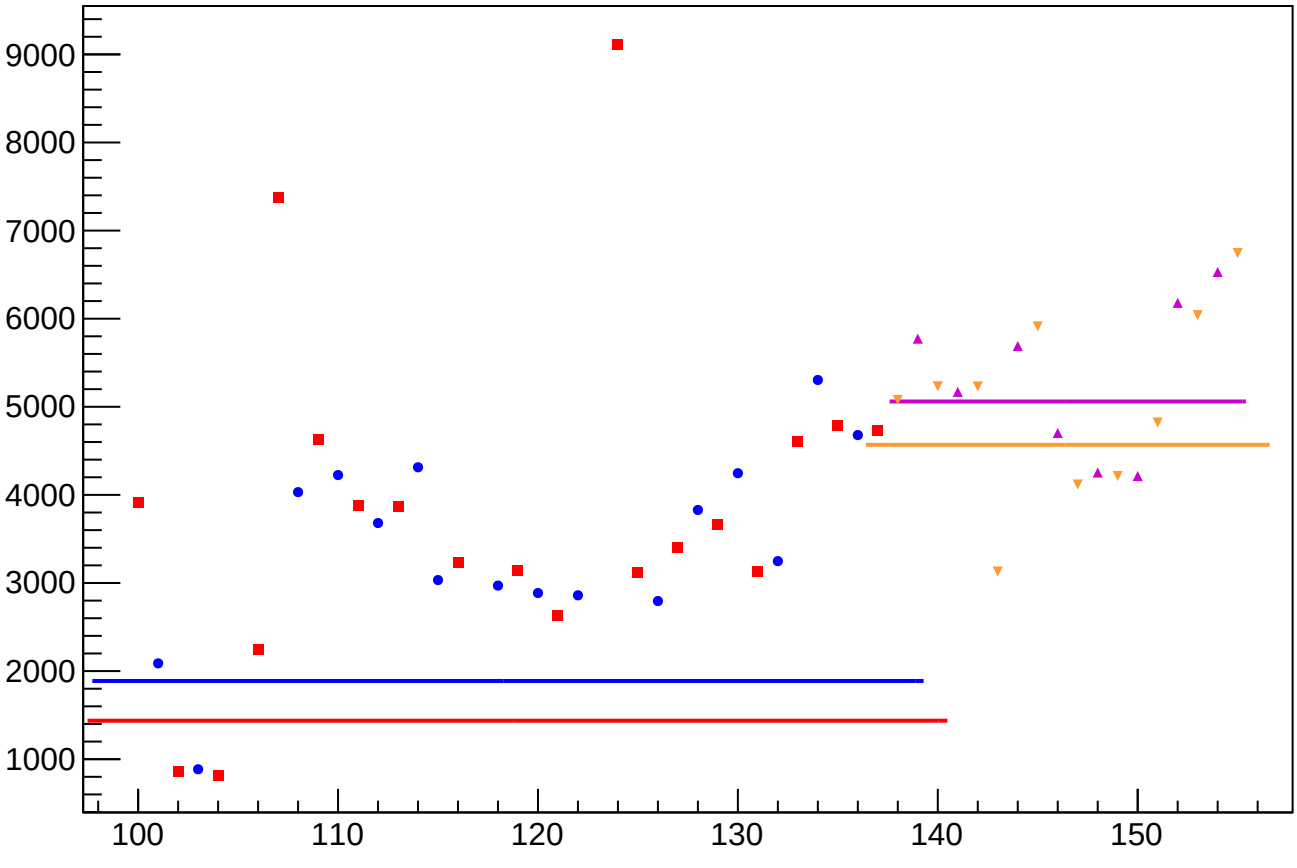
Left: 78.043+/-1270.001 χ^2/NDF: 17.9/17

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -20.541+/-791.996 χ^2/NDF:18.8/23

Out: 361.011+/-629.669 χ^2/NDF:32.8/28

All: 213.240+/-492.879 χ^2/NDF: 51.7/52



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4568.368+/-1.188 χ^2/NDF:789680.4/9

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5060.206+/-1.371 χ^2/NDF:336517.0/7

Left: 4779.273+/-0.898 χ^2/NDF: 1199667.8/17

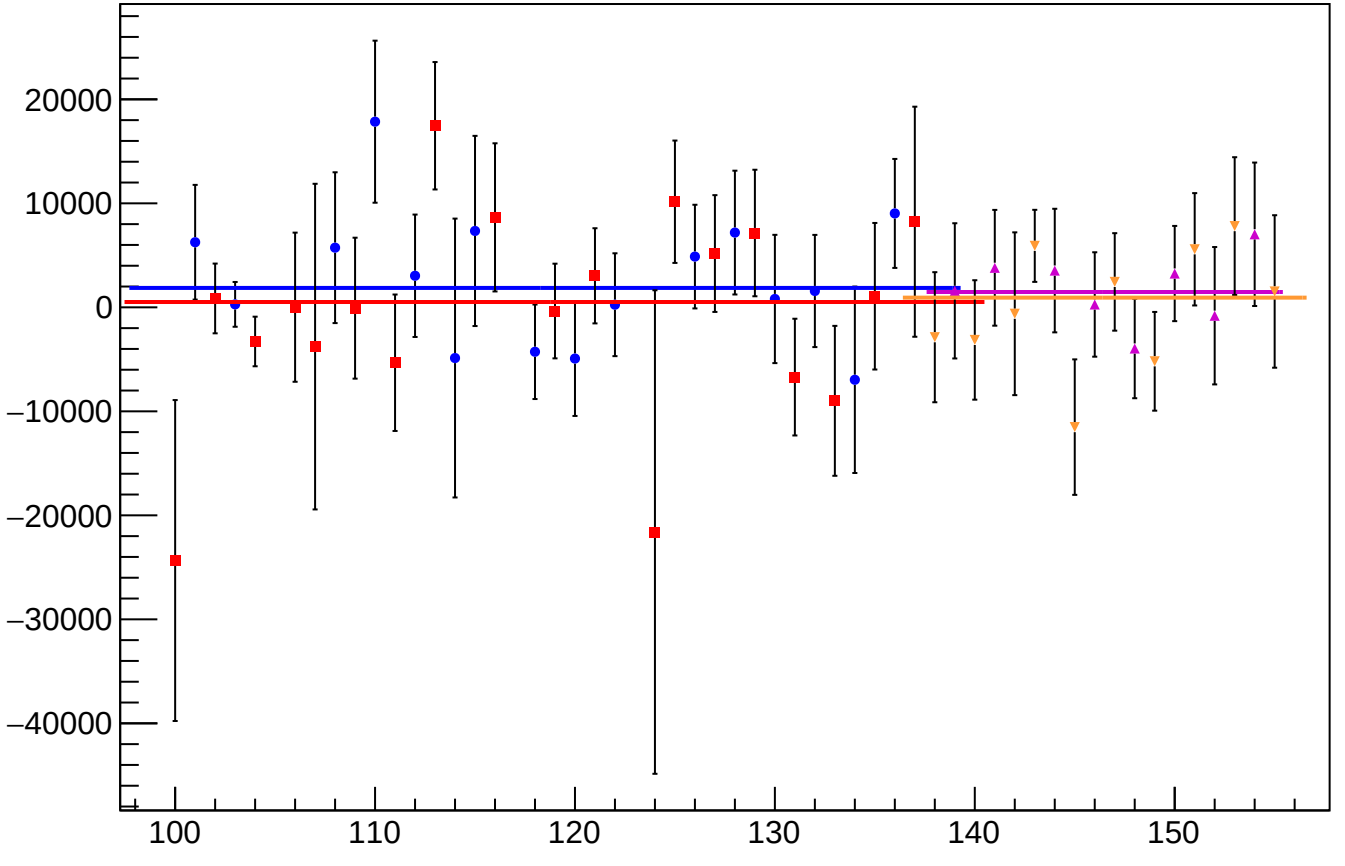
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2416.997+/-0.560 χ^2/NDF:9220685.7/23

Out: 1876.755+/-0.445 χ^2/NDF:12723371.3/28

All: 2085.985+/-0.349 χ^2/NDF: 22514241.2/5

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 931.934+/-1703.259 χ^2/NDF:10.2/9

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 1474.560+/-1963.618 χ^2/NDF:2.6/7

Left: 1164.912+/-1286.662 χ^2/NDF: 12.8/17

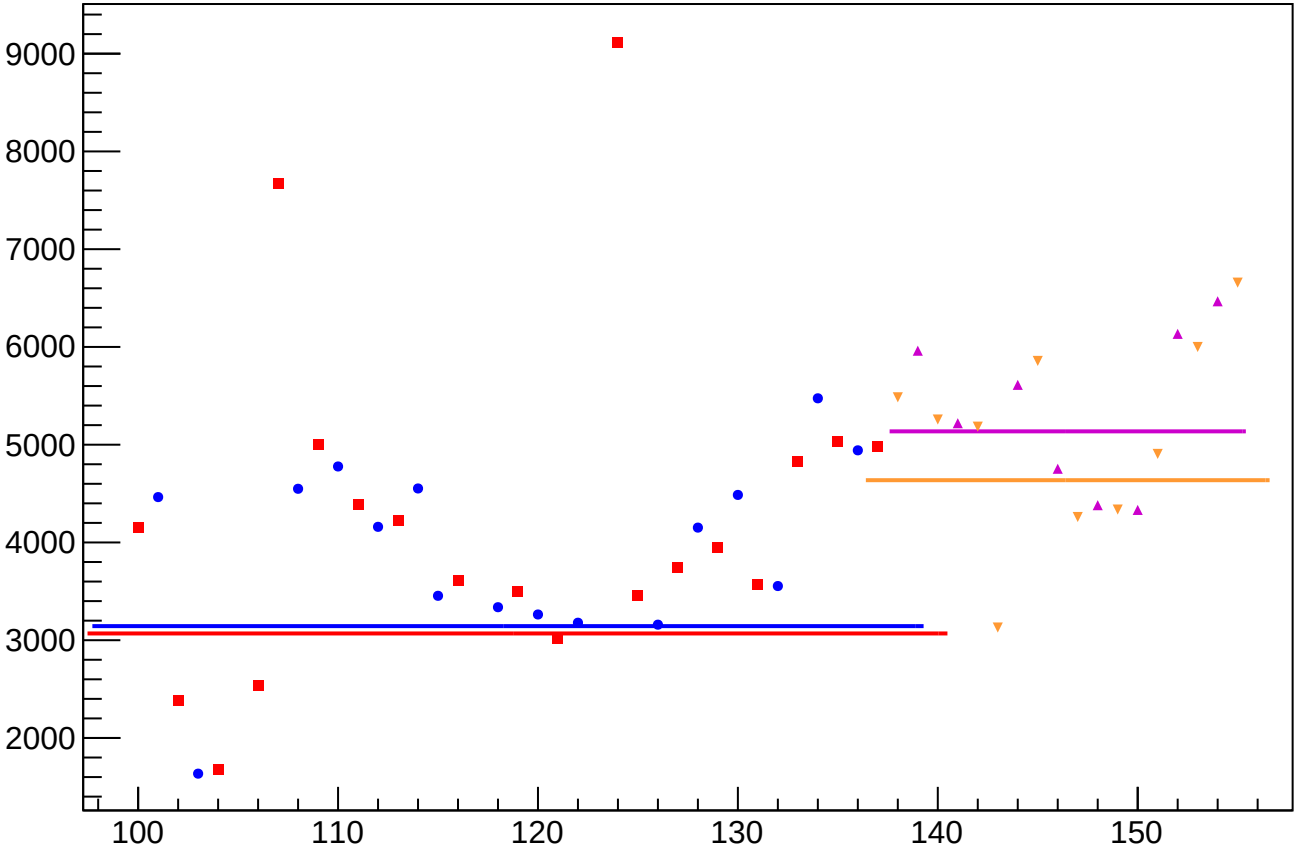
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1752.376+/-1059.971 χ^2/NDF:16.4/23

Out: 658.046+/-1003.277 χ^2/NDF:34.9/28

All: 1175.164+/-728.643 χ^2/NDF: 51.9/52

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4636.876+/-1.204 χ^2/NDF:781104.1/9

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5136.475+/-1.388 χ^2/NDF:288660.8/7

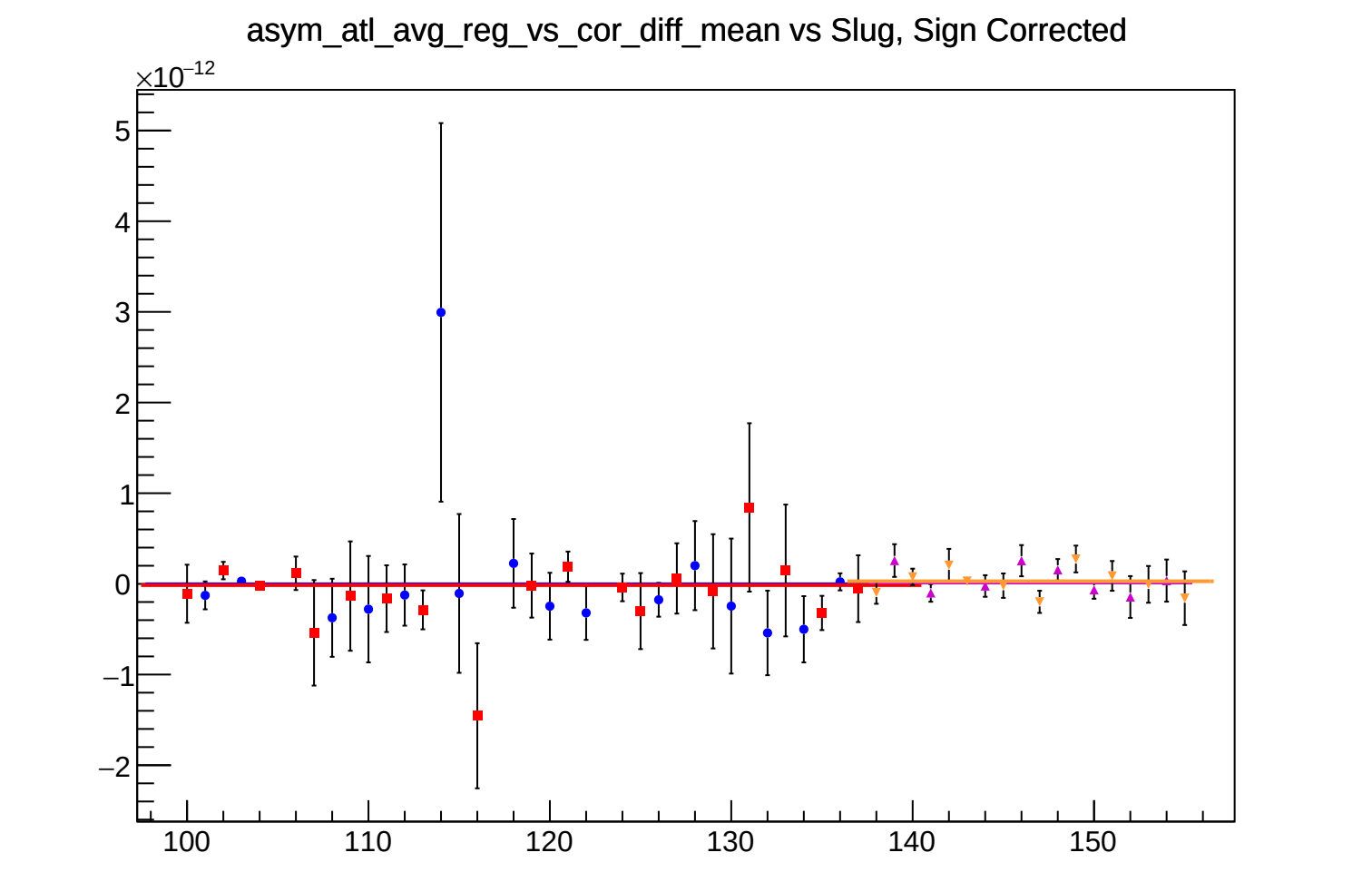
Left: 4851.380+/-0.910 χ^2/NDF: 1143644.9/17

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3724.681+/-0.750 χ^2/NDF:3630784.0/23

Out: 3601.953+/-0.702 χ^2/NDF:3781313.5/28

All: 3659.317+/-0.512 χ^2/NDF: 7426377.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/7

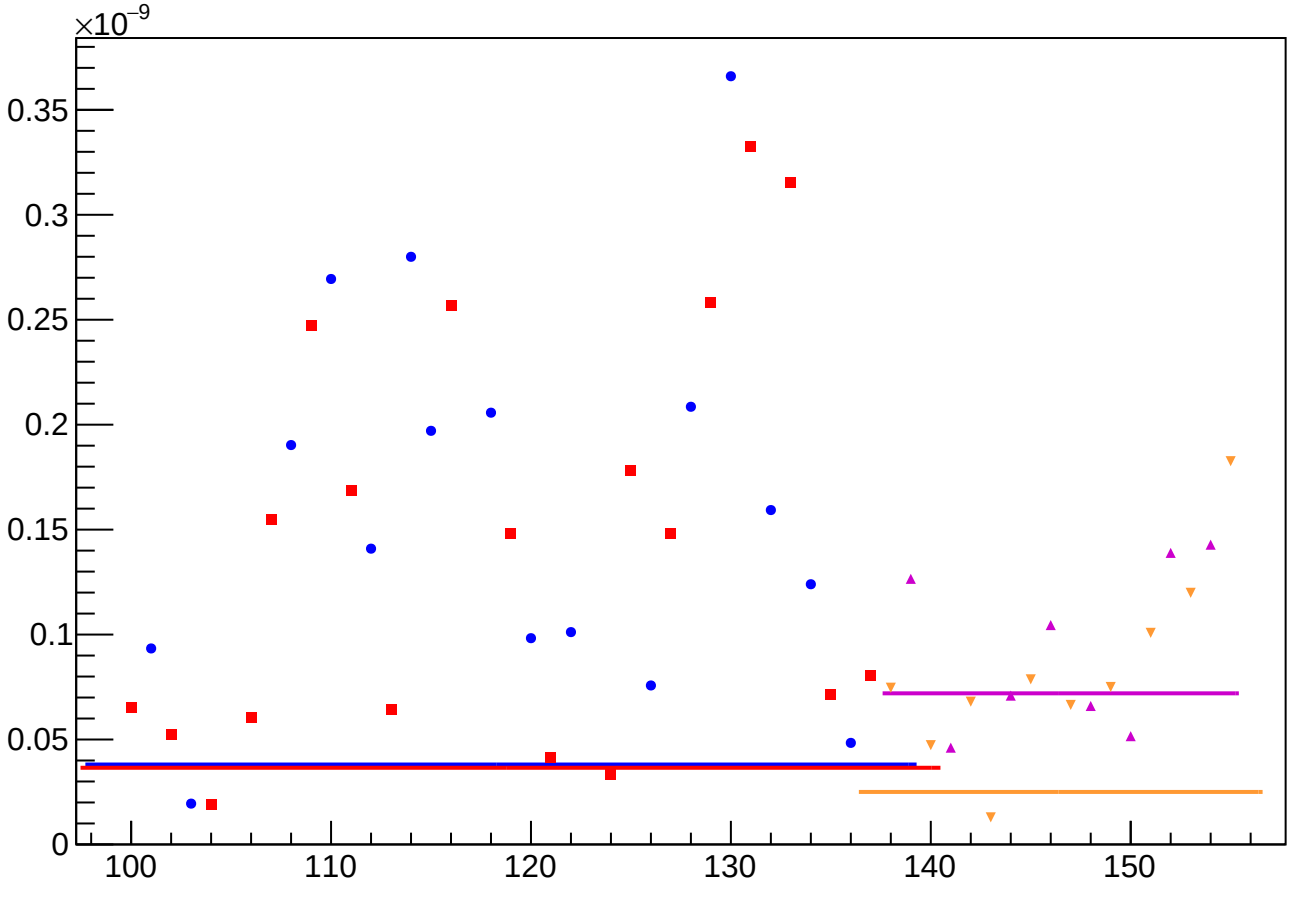
Left: 0.000+/-0.000 χ^2/NDF: 17.1/17

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: 0.000+/-0.000 χ^2/NDF:18.6/23

Out: 0.000+/-0.000 χ^2/NDF:25.3/28

All: 0.000+/-0.000 χ^2/NDF: 44.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3303216.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:842530.6/7

Left: 0.000+/-0.000 χ^2/NDF: 5814851.4/17

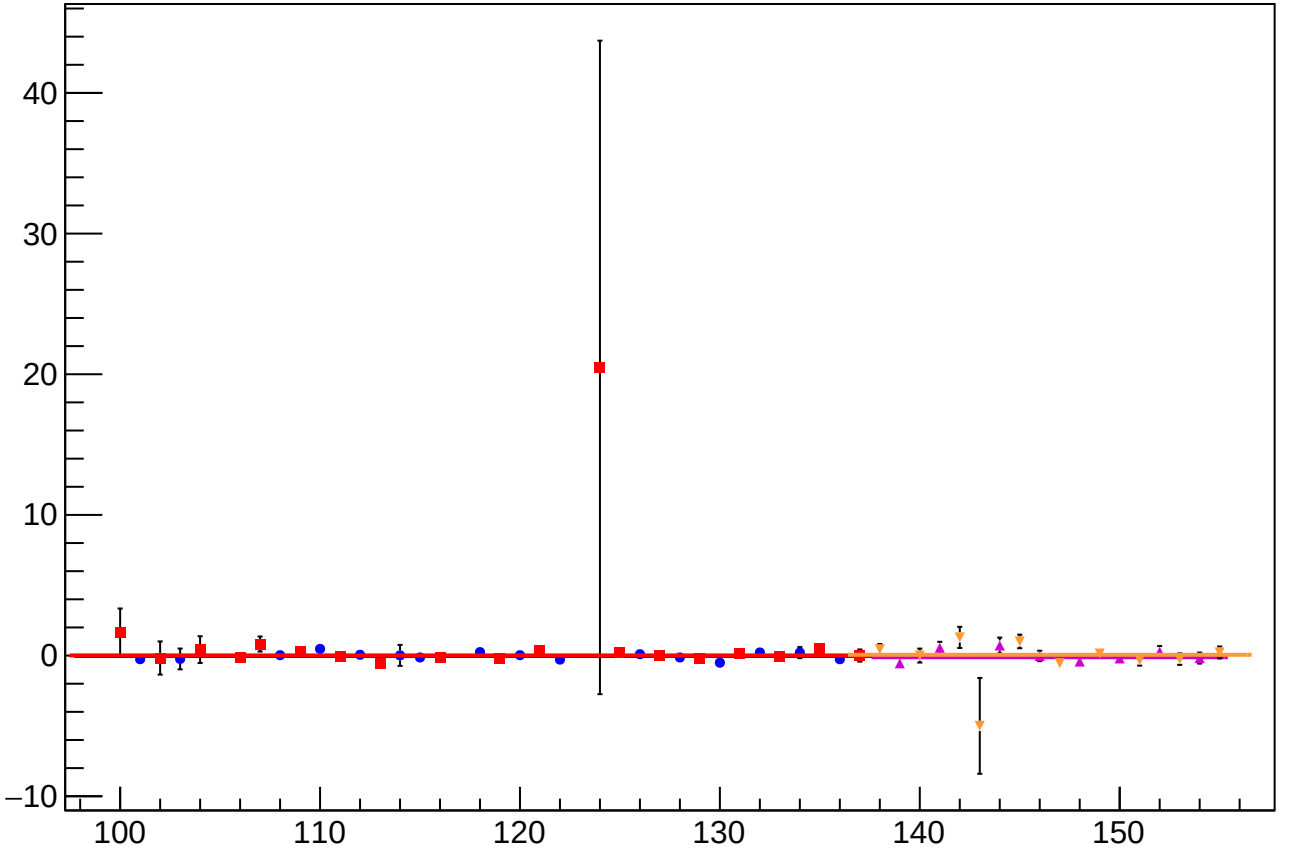
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:4415110.8/23

Out: 0.000+/-0.000 χ^2/NDF:6164055.4/28

All: 0.000+/-0.000 χ^2/NDF: 11433408.7/52

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: 0.056+/-0.136 χ^2/NDF:15.0/9

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.117+/-0.129 χ^2/NDF:9.2/7

Left: -0.035+/-0.094 χ^2/NDF: 25.1/17

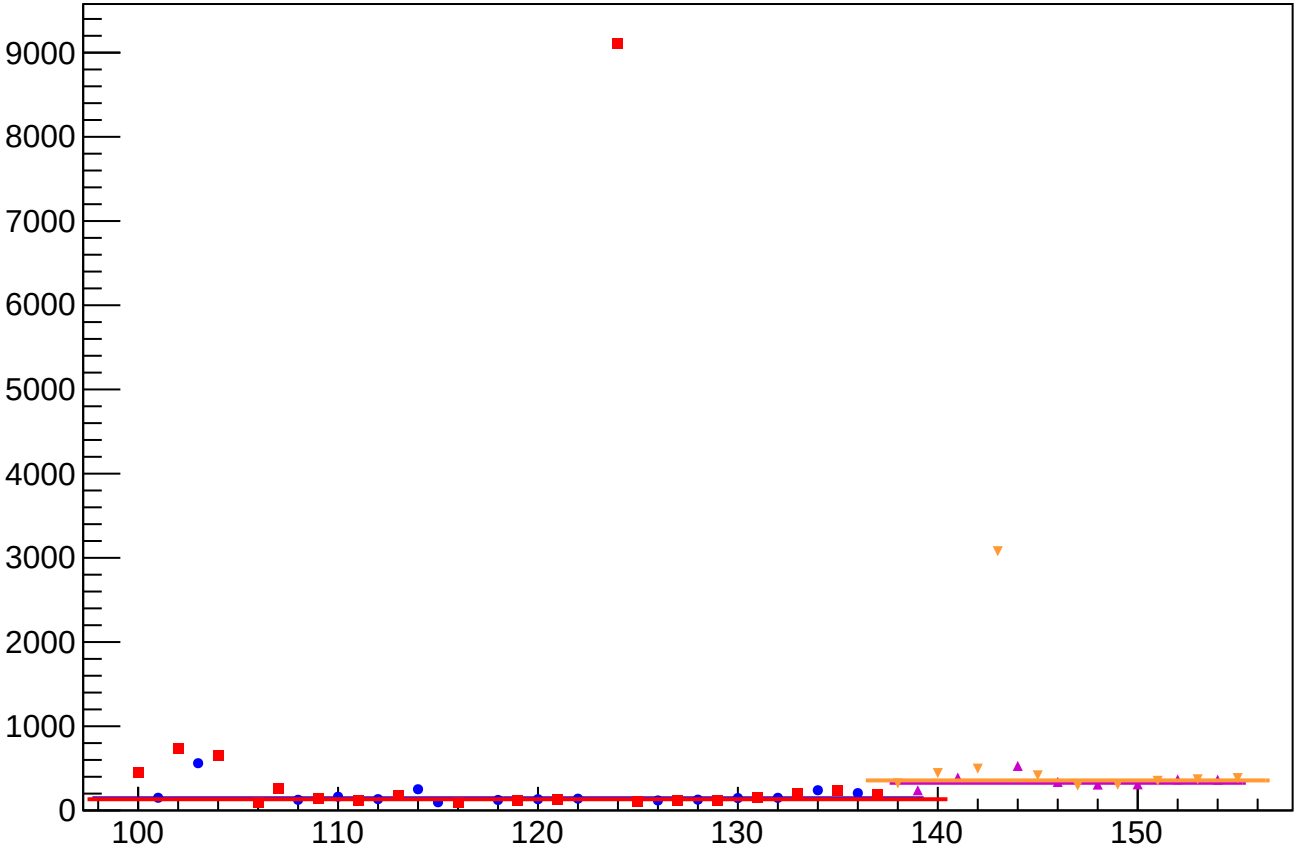
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.053 χ^2/NDF:26.9/23

Out: 0.017+/-0.052 χ^2/NDF:36.9/28

All: -0.013+/-0.037 χ^2/NDF: 64.5/52

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 356.660+/-0.096 χ^2/NDF:1582694.2/9

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 328.871+/-0.091 χ^2/NDF:564456.5/7

Left: 341.977+/-0.066 χ^2/NDF: 2191141.1/17

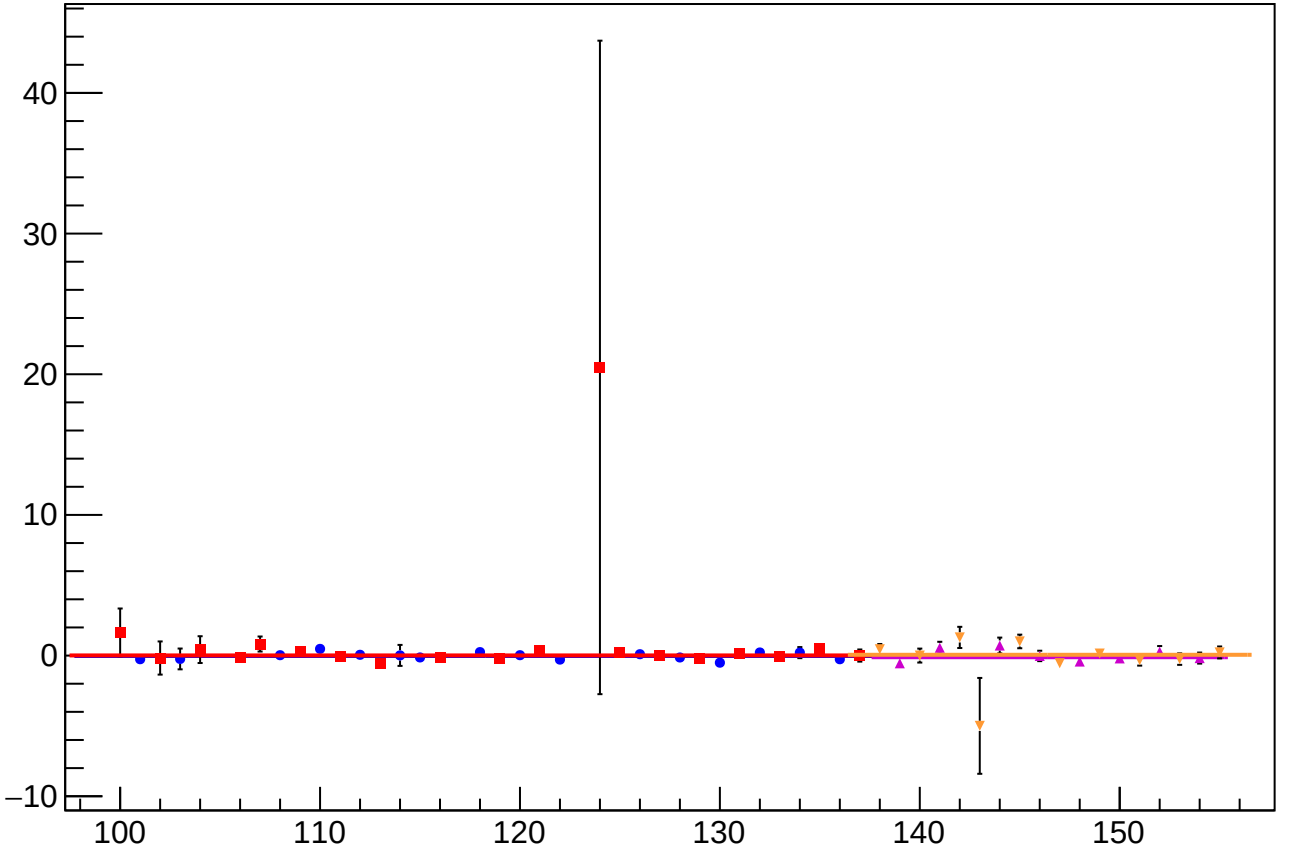
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 175.305+/-0.037 χ^2/NDF:5117027.1/23

Out: 166.067+/-0.037 χ^2/NDF:8394227.5/28

All: 170.637+/-0.026 χ^2/NDF: 13542250.2/52

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: 0.056+/-0.136 χ^2/NDF:15.0/9

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.117+/-0.129 χ^2/NDF:9.2/7

Left: -0.035+/-0.094 χ^2/NDF: 25.1/17

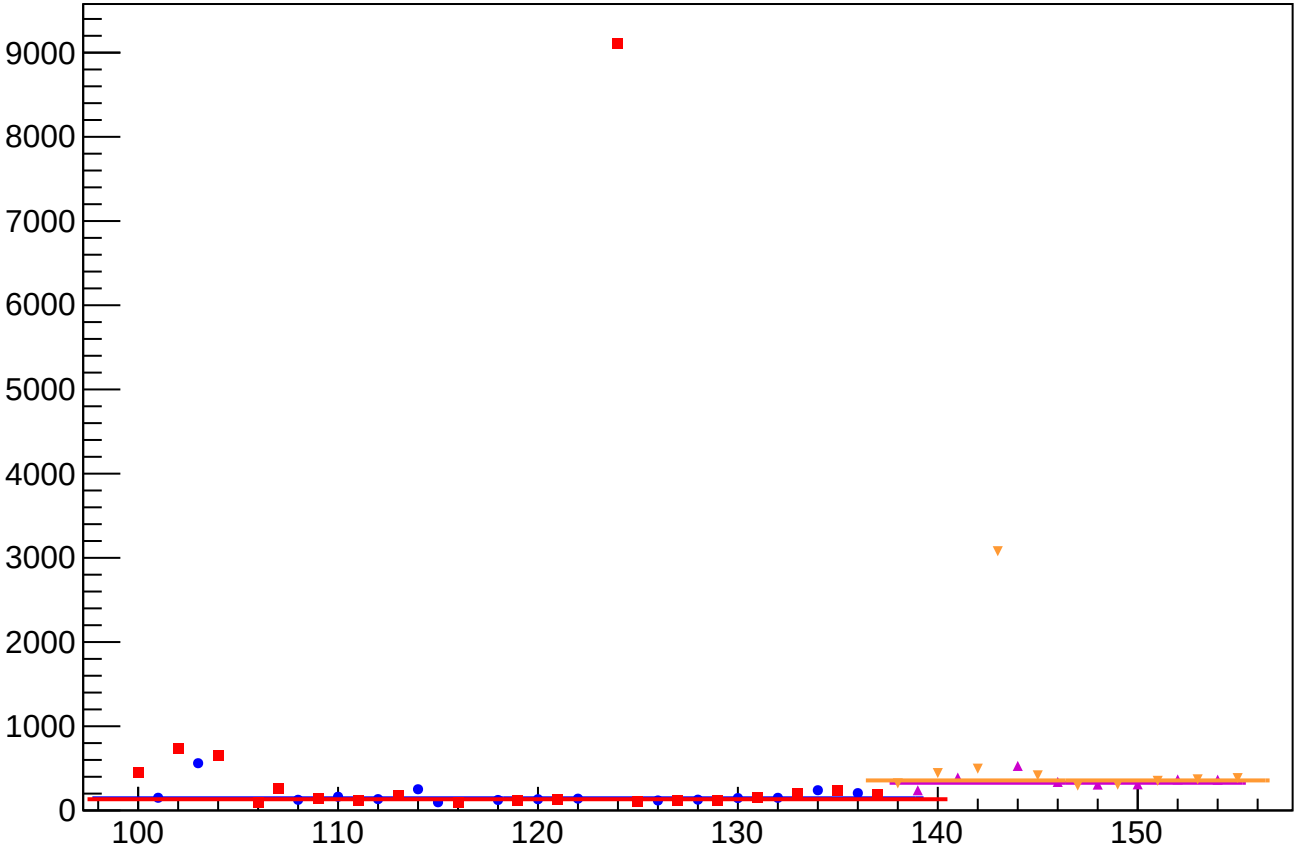
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.053 χ^2/NDF:26.9/23

Out: 0.017+/-0.052 χ^2/NDF:36.9/28

All: -0.013+/-0.037 χ^2/NDF: 64.5/52

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 356.660+/-0.096 χ^2/NDF:1582694.2/9

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 328.871+/-0.091 χ^2/NDF:564456.5/7

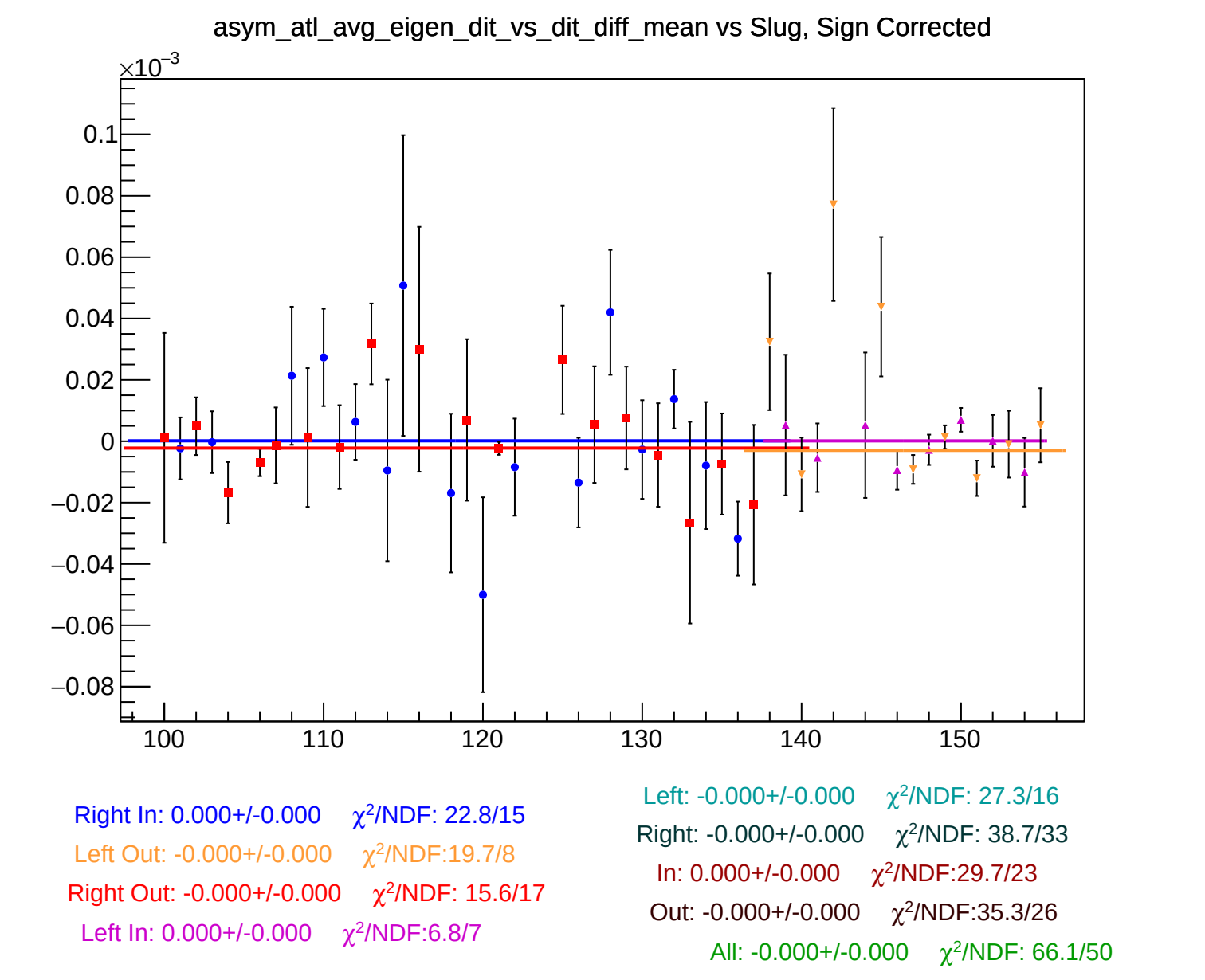
Left: 341.977+/-0.066 χ^2/NDF: 2191141.1/17

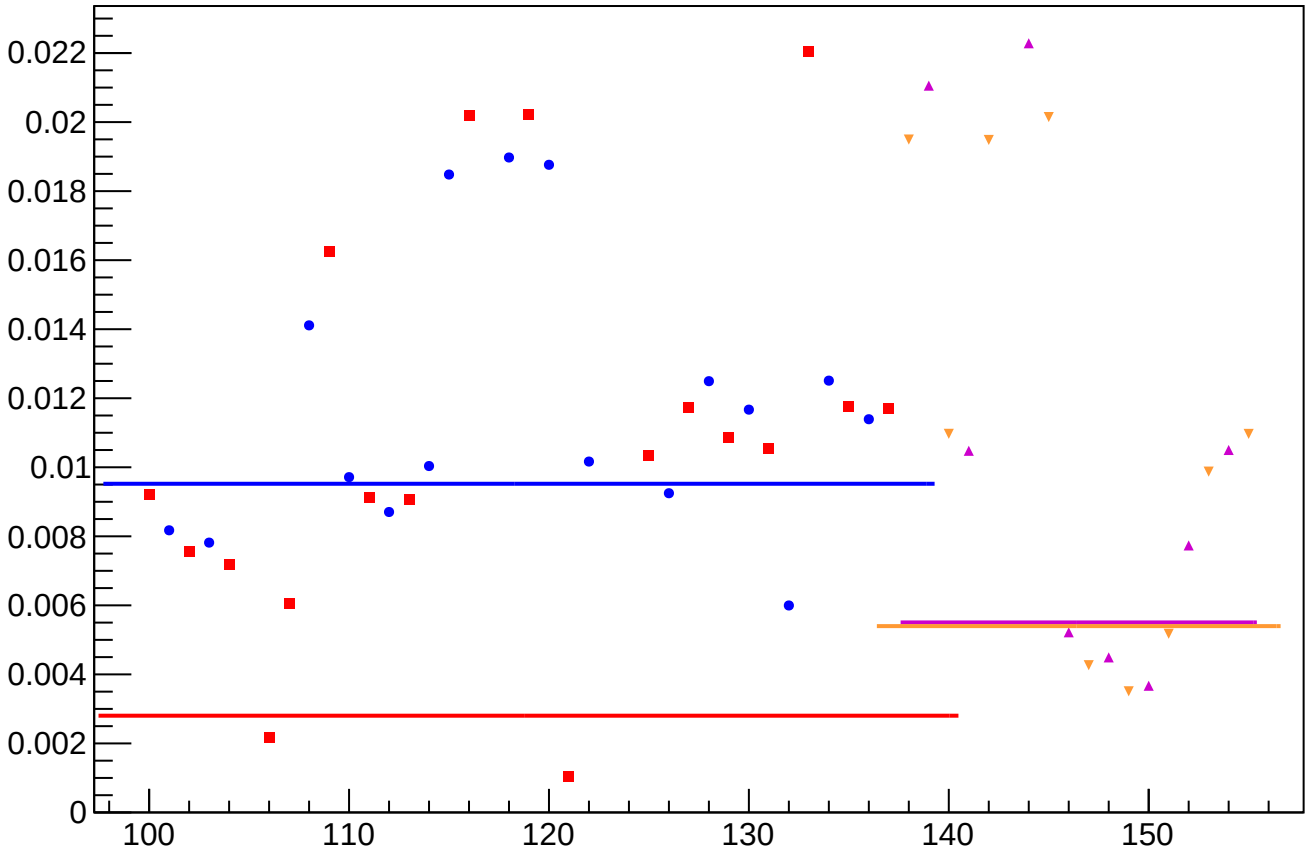
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 175.305+/-0.037 χ^2/NDF:5117027.1/23

Out: 166.067+/-0.037 χ^2/NDF:8394227.5/28

All: 170.637+/-0.026 χ^2/NDF: 13542250.2/52


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:19.7/8
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/17
Left In: 0.000+/-0.000 χ²/NDF:6.8/7
Left: -0.000+/-0.000 χ²/NDF: 27.3/16
Right: -0.000+/-0.000 χ²/NDF: 38.7/33
In: 0.000+/-0.000 χ²/NDF:29.7/23
Out: -0.000+/-0.000 χ²/NDF:35.3/26
All: -0.000+/-0.000 χ²/NDF: 66.1/50



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.005+/-0.000 χ^2/NDF:3843198.1/8

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:3393936.5/7

Left: 0.005+/-0.000 χ^2/NDF: 7239050.7/16

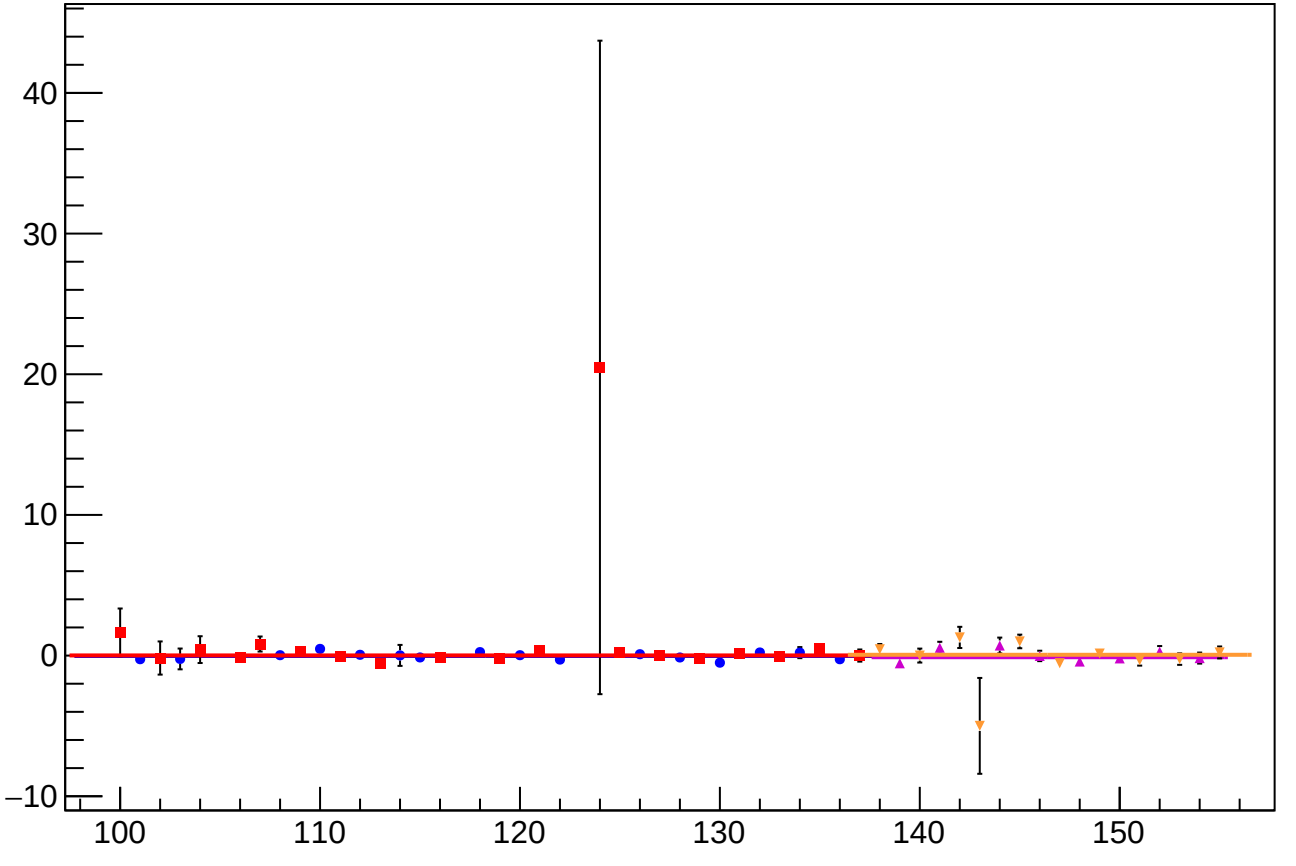
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:6136167.6/23

Out: 0.004+/-0.000 χ^2/NDF:13937393.5/26

All: 0.005+/-0.000 χ^2/NDF: 23064483.9/50

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: 0.056+/-0.136 χ^2/NDF:15.0/9

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.117+/-0.129 χ^2/NDF:9.2/7

Left: -0.035+/-0.094 χ^2/NDF: 25.1/17

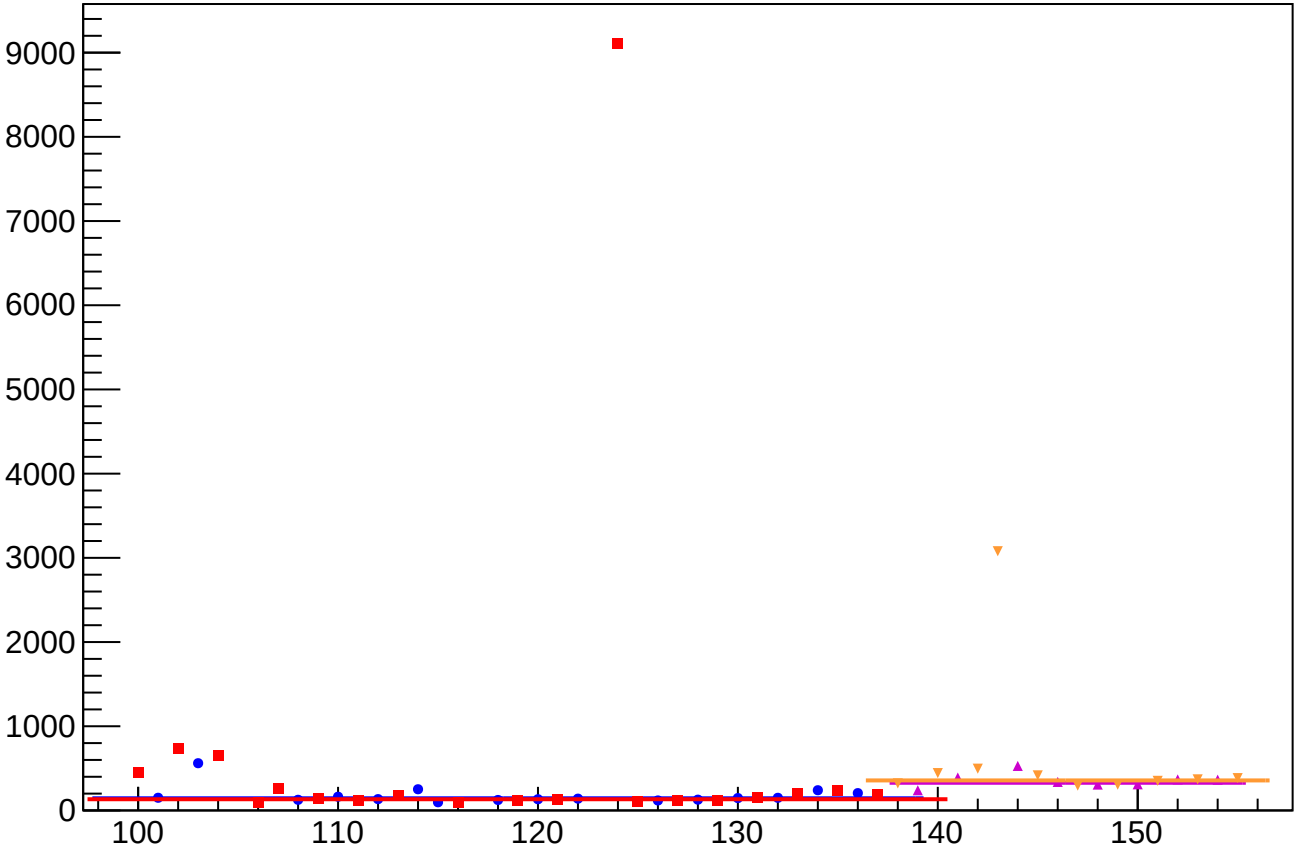
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.053 χ^2/NDF:26.9/23

Out: 0.017+/-0.052 χ^2/NDF:36.9/28

All: -0.013+/-0.037 χ^2/NDF: 64.5/52

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: 356.663+/-0.096 χ^2/NDF:1582720.1/9

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 328.876+/-0.091 χ^2/NDF:564444.4/7

Left: 341.982+/-0.066 χ^2/NDF: 2191150.4/17

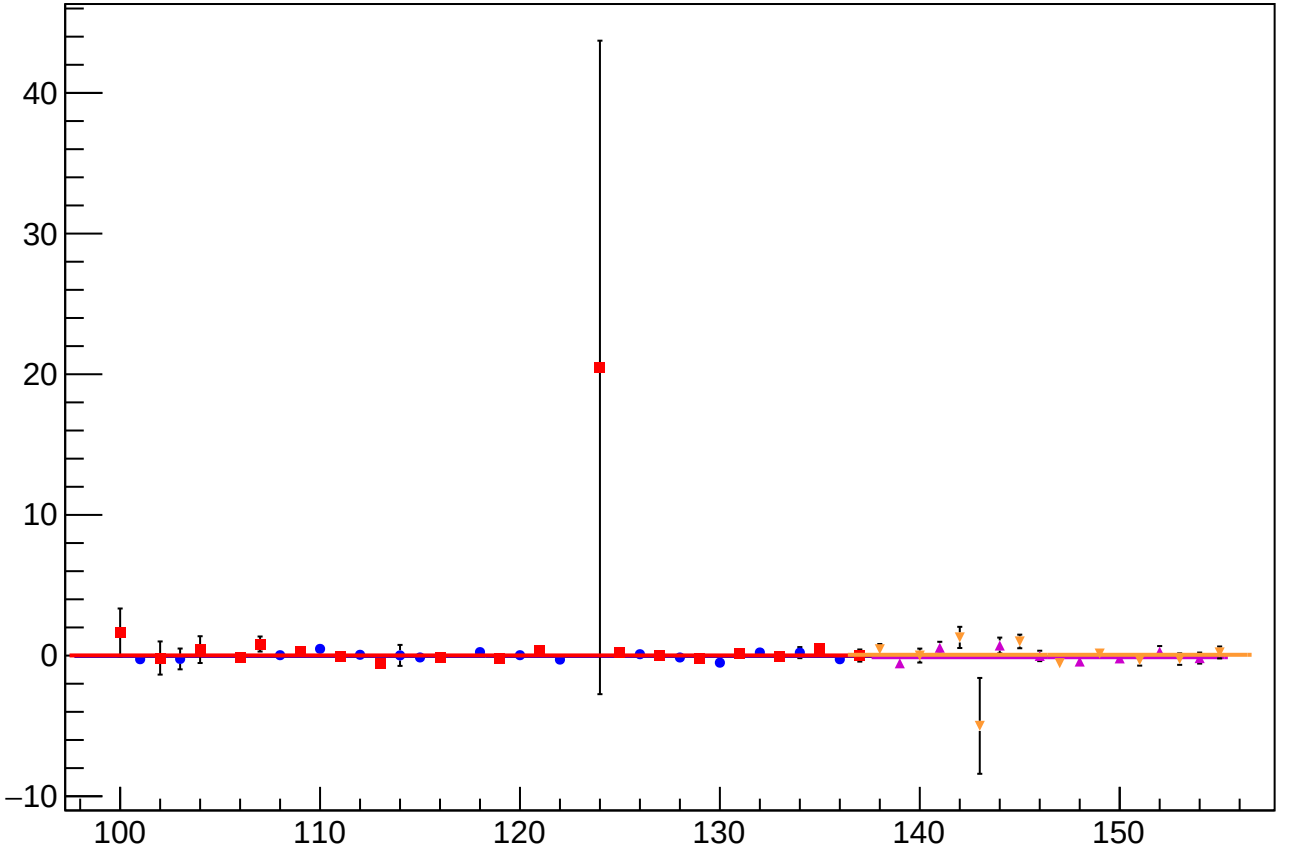
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 175.303+/-0.037 χ^2/NDF:5117197.6/23

Out: 166.066+/-0.037 χ^2/NDF:8394310.7/28

All: 170.636+/-0.026 χ^2/NDF: 13542499.8/52

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: 0.056+/-0.136 χ^2/NDF:15.0/9

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.117+/-0.129 χ^2/NDF:9.2/7

Left: -0.035+/-0.094 χ^2/NDF: 25.1/17

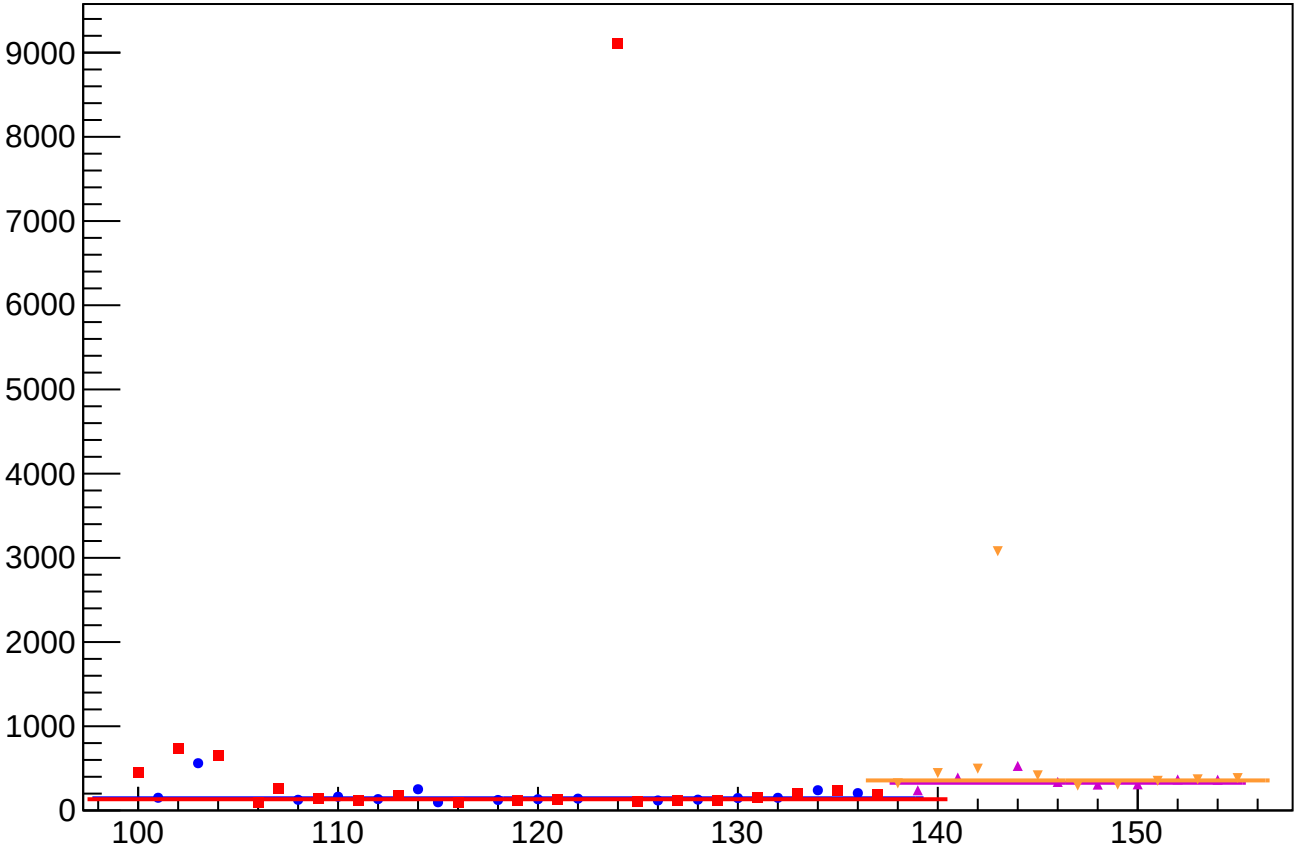
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.053 χ^2/NDF:26.9/23

Out: 0.017+/-0.052 χ^2/NDF:36.9/28

All: -0.013+/-0.037 χ^2/NDF: 64.5/52

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: 356.663+/-0.096 χ^2/NDF:1582720.1/9

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 328.876+/-0.091 χ^2/NDF:564444.4/7

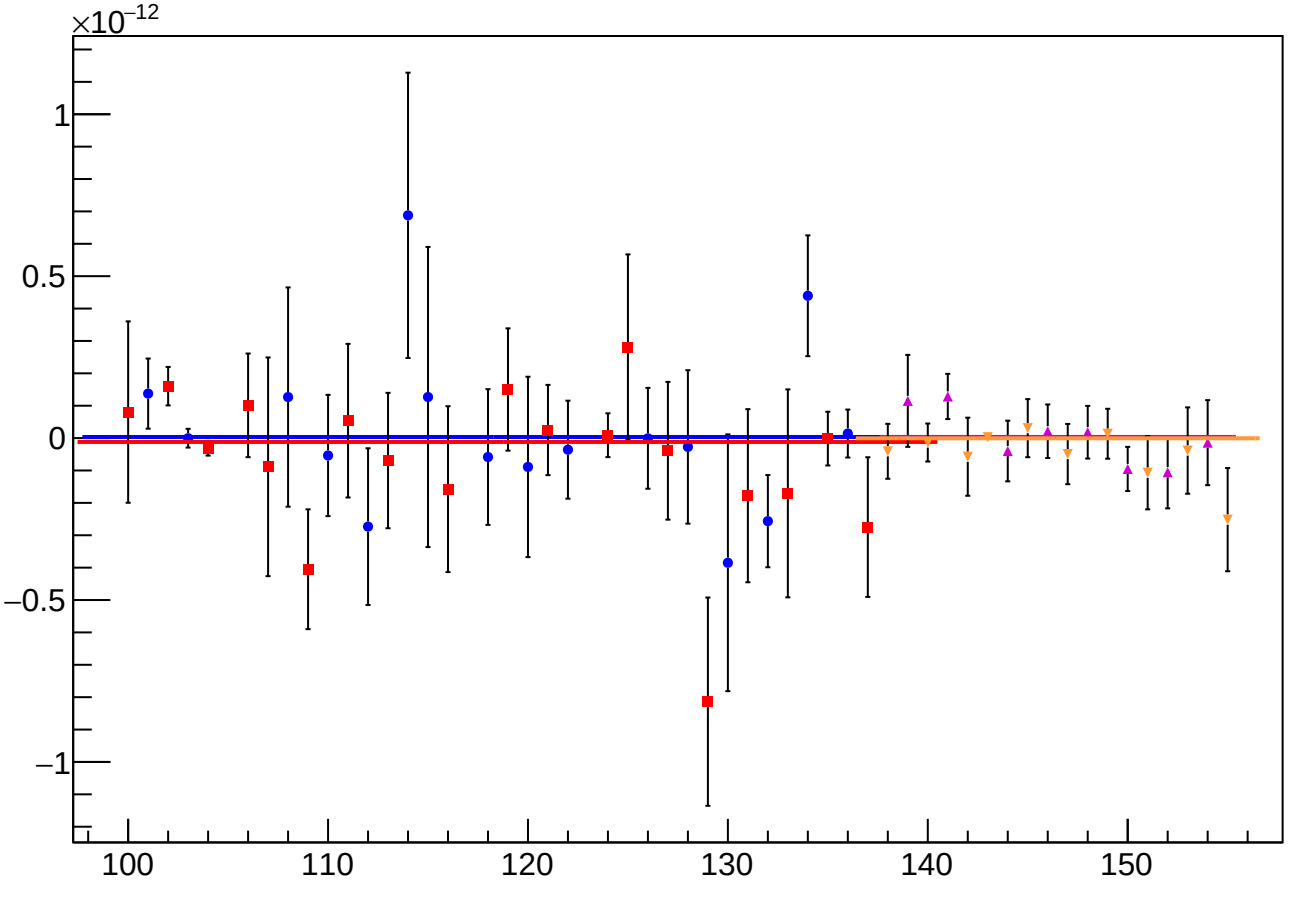
Left: 341.982+/-0.066 χ^2/NDF: 2191150.4/17

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 175.303+/-0.037 χ^2/NDF:5117197.6/23

Out: 166.066+/-0.037 χ^2/NDF:8394310.7/28

All: 170.636+/-0.026 χ^2/NDF: 13542499.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/9

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/7

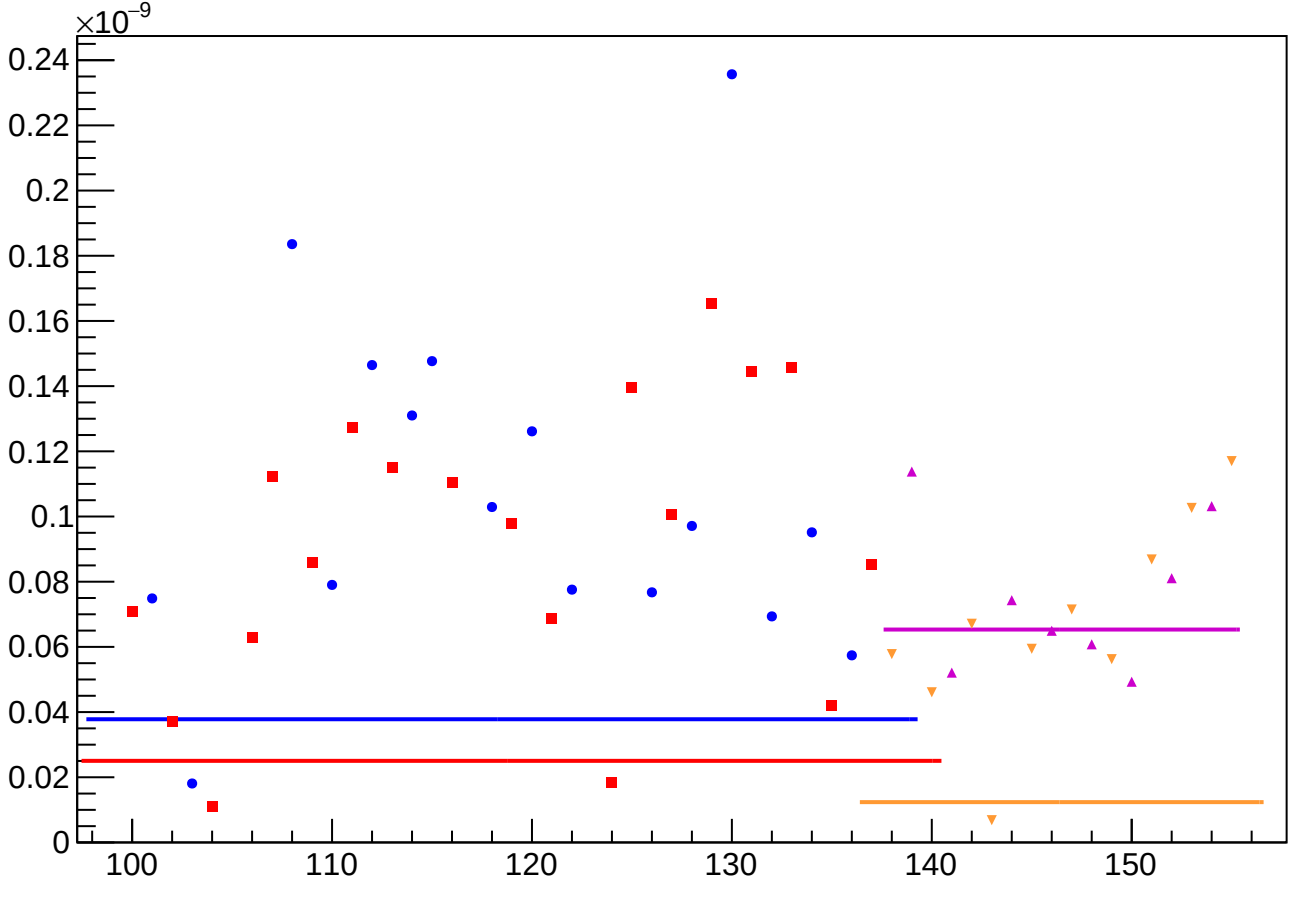
Left: -0.000+/-0.000 χ^2/NDF: 11.7/17

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:22.8/23

Out: -0.000+/-0.000 χ^2/NDF:29.9/28

All: -0.000+/-0.000 χ^2/NDF: 52.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6903143.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:645920.0/7

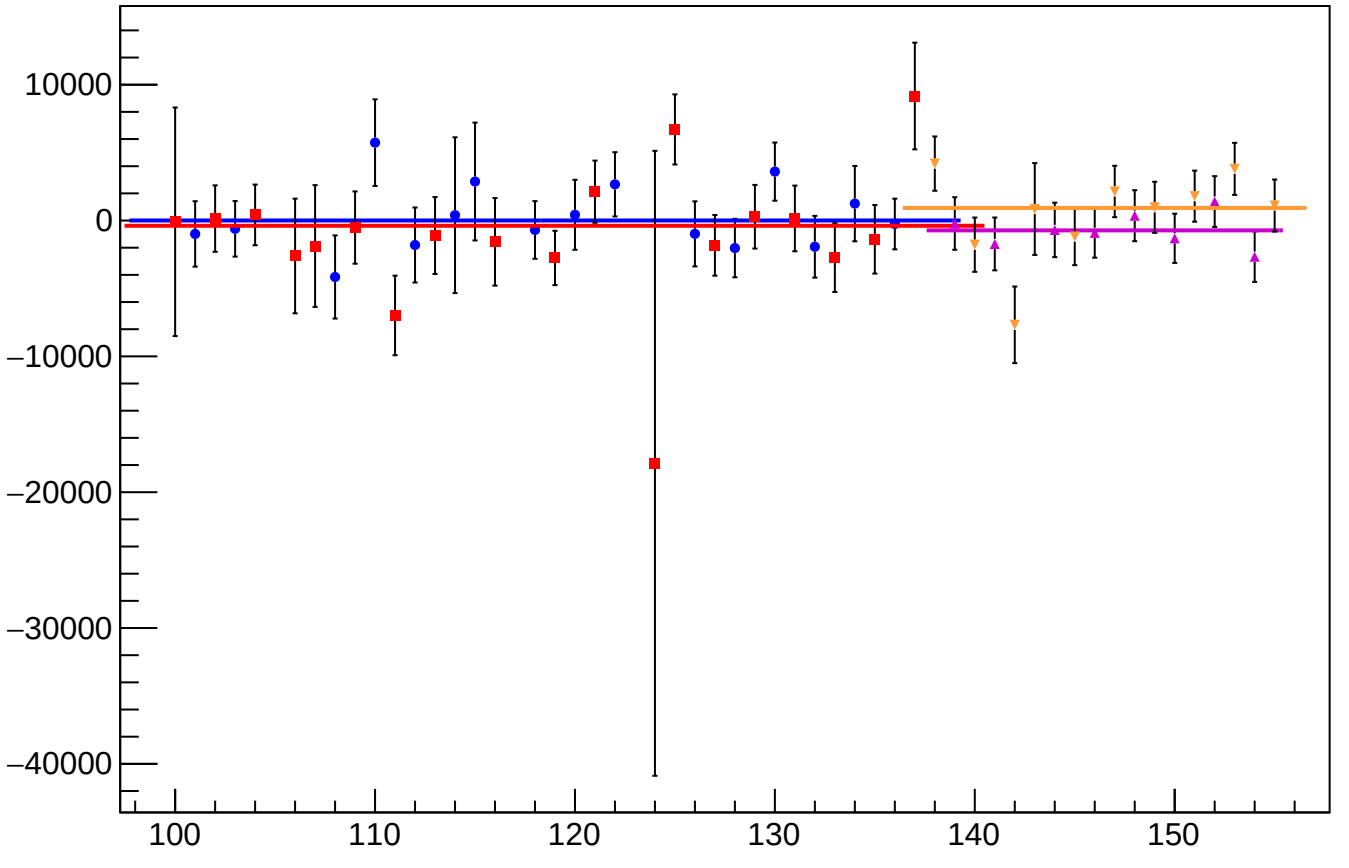
Left: 0.000+/-0.000 χ^2/NDF: 12782023.3/17

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:5564096.2/23

Out: 0.000+/-0.000 χ^2/NDF:12342782.9/28

All: 0.000+/-0.000 χ^2/NDF: 22909743.6/52



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 928.491+/-655.358 χ^2/NDF:17.7/9

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -723.993+/-667.781 χ^2/NDF:3.2/7

Left: 117.762+/-467.738 χ^2/NDF: 24.0/17

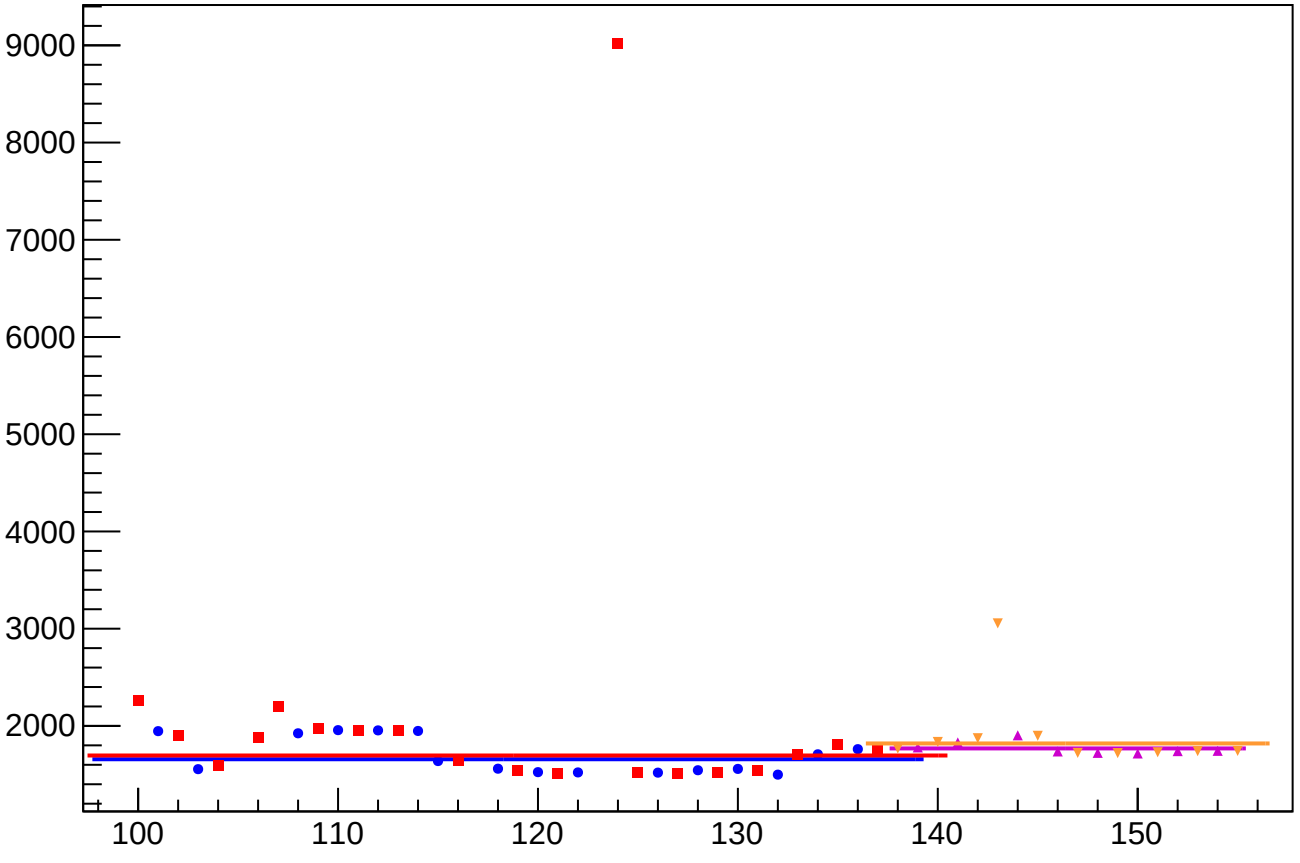
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -332.767+/-454.323 χ^2/NDF:16.2/23

Out: 249.790+/-455.551 χ^2/NDF:43.8/28

All: -42.275+/-321.688 χ^2/NDF: 60.9/52

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1819.506+/-0.463 χ^2/NDF:293957.8/9

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1768.396+/-0.472 χ^2/NDF:15276.6/7

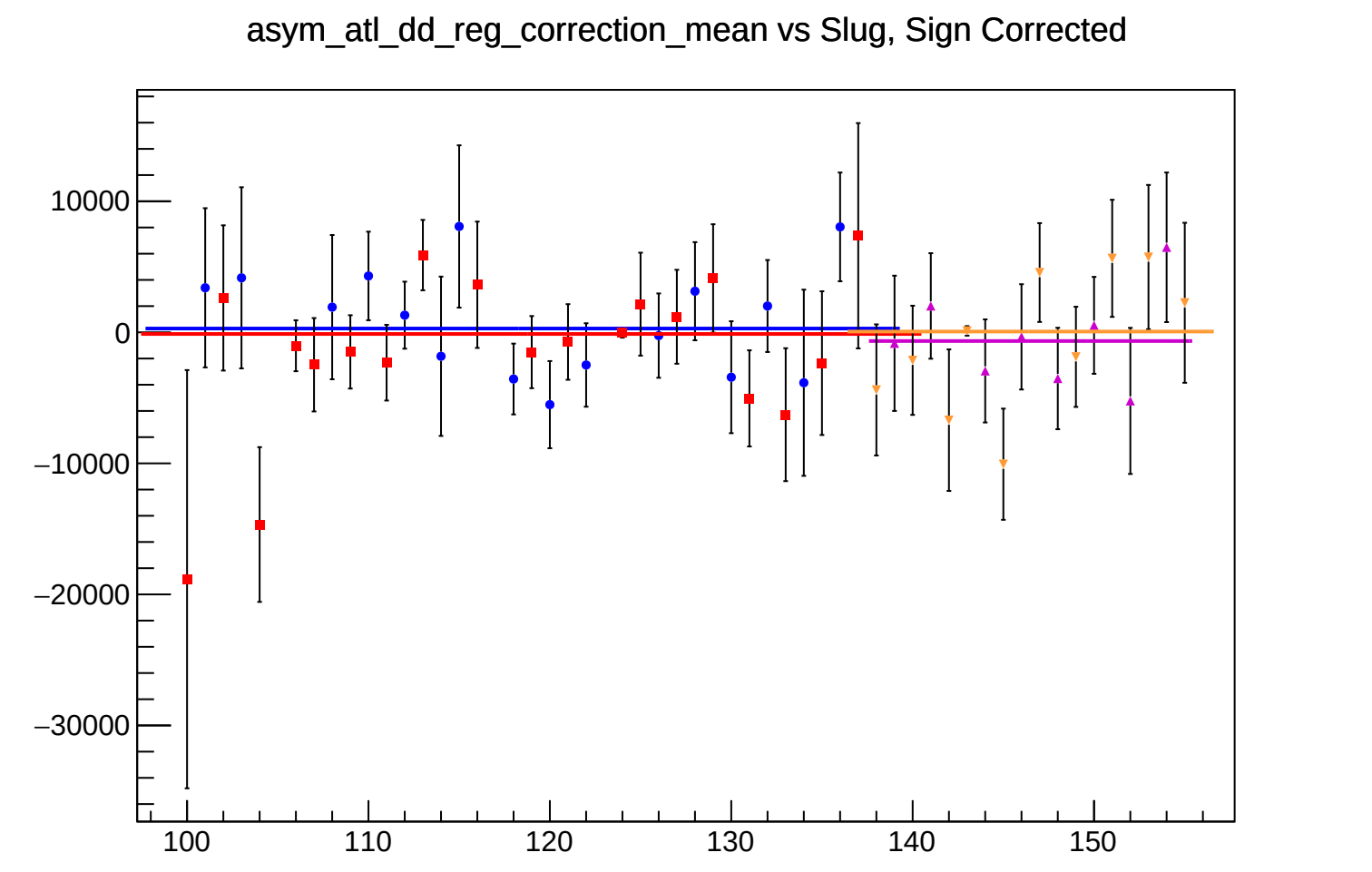
Left: 1794.431+/-0.331 χ^2/NDF: 315202.3/17

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1708.626+/-0.321 χ^2/NDF:189089.2/23

Out: 1755.210+/-0.321 χ^2/NDF:717257.4/28

All: 1731.911+/-0.227 χ^2/NDF: 916856.8/52



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 59.194+/-354.032 χ^2/NDF:12.8/9

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -663.991+/-1527.514 χ^2/NDF:3.7/7

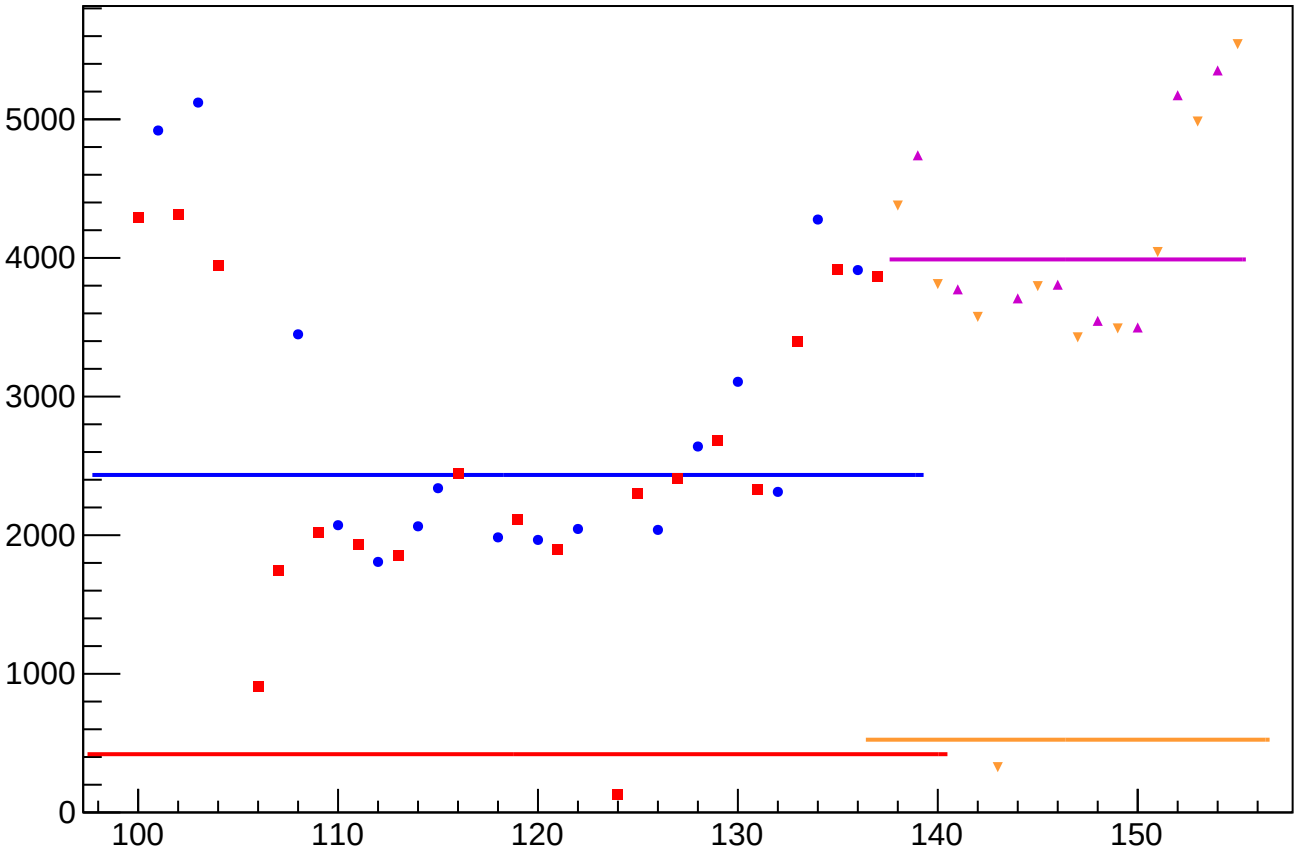
Left: 22.327+/-344.890 χ^2/NDF: 16.7/17

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: 18.924+/-813.457 χ^2/NDF:19.2/23

Out: -41.445+/-238.901 χ^2/NDF:33.8/28

All: -36.652+/-229.220 χ^2/NDF: 53.0/52



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 524.822+/-0.250 χ^2/NDF:11144521.5/9

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 3989.187+/-1.080 χ^2/NDF:328209.0/7

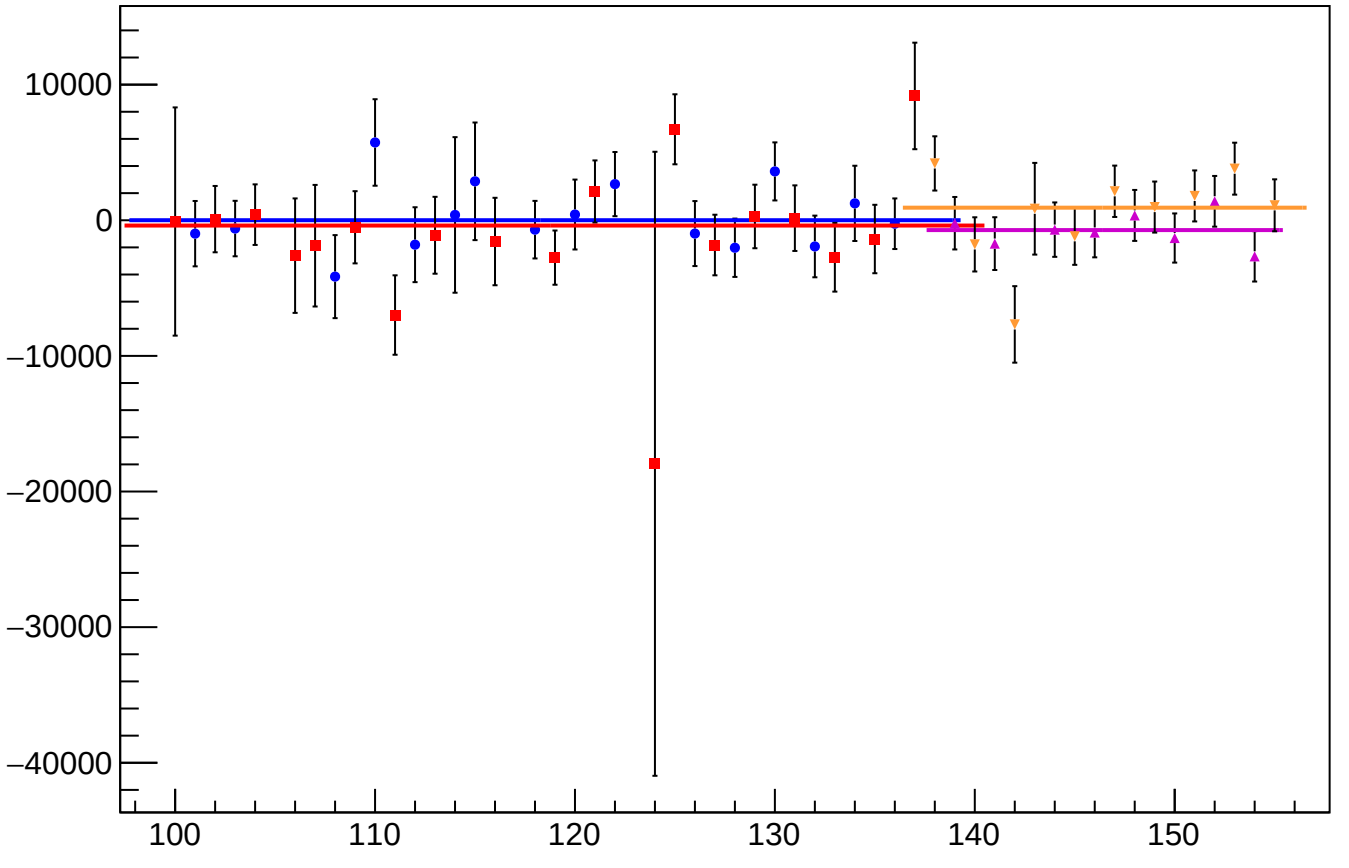
Left: 701.431+/-0.244 χ^2/NDF: 21235711.8/17

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 2875.468+/-0.575 χ^2/NDF:3269991.1/23

Out: 467.891+/-0.169 χ^2/NDF:22303454.8/28

All: 659.059+/-0.162 χ^2/NDF: 41701829.2/52



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 928.359+/-655.358 χ^2/NDF:17.7/9

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -723.975+/-667.781 χ^2/NDF:3.2/7

Left: 117.704+/-467.738 χ^2/NDF: 24.0/17

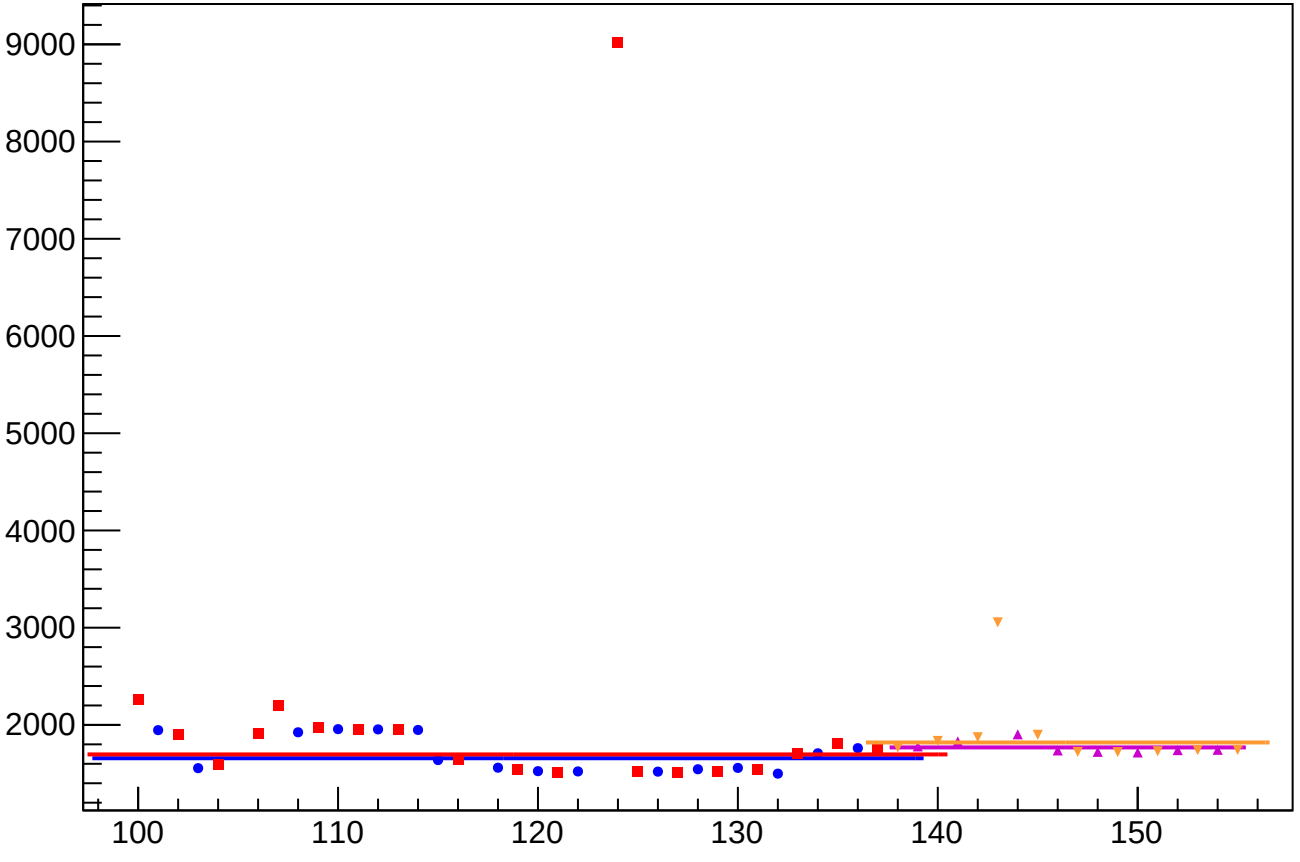
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -332.801+/-454.323 χ^2/NDF:16.2/23

Out: 247.512+/-455.554 χ^2/NDF:43.8/28

All: -43.430+/-321.689 χ^2/NDF: 60.9/52

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1819.506+/-0.463 χ^2/NDF:293957.8/9

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1768.397+/-0.472 χ^2/NDF:15276.6/7

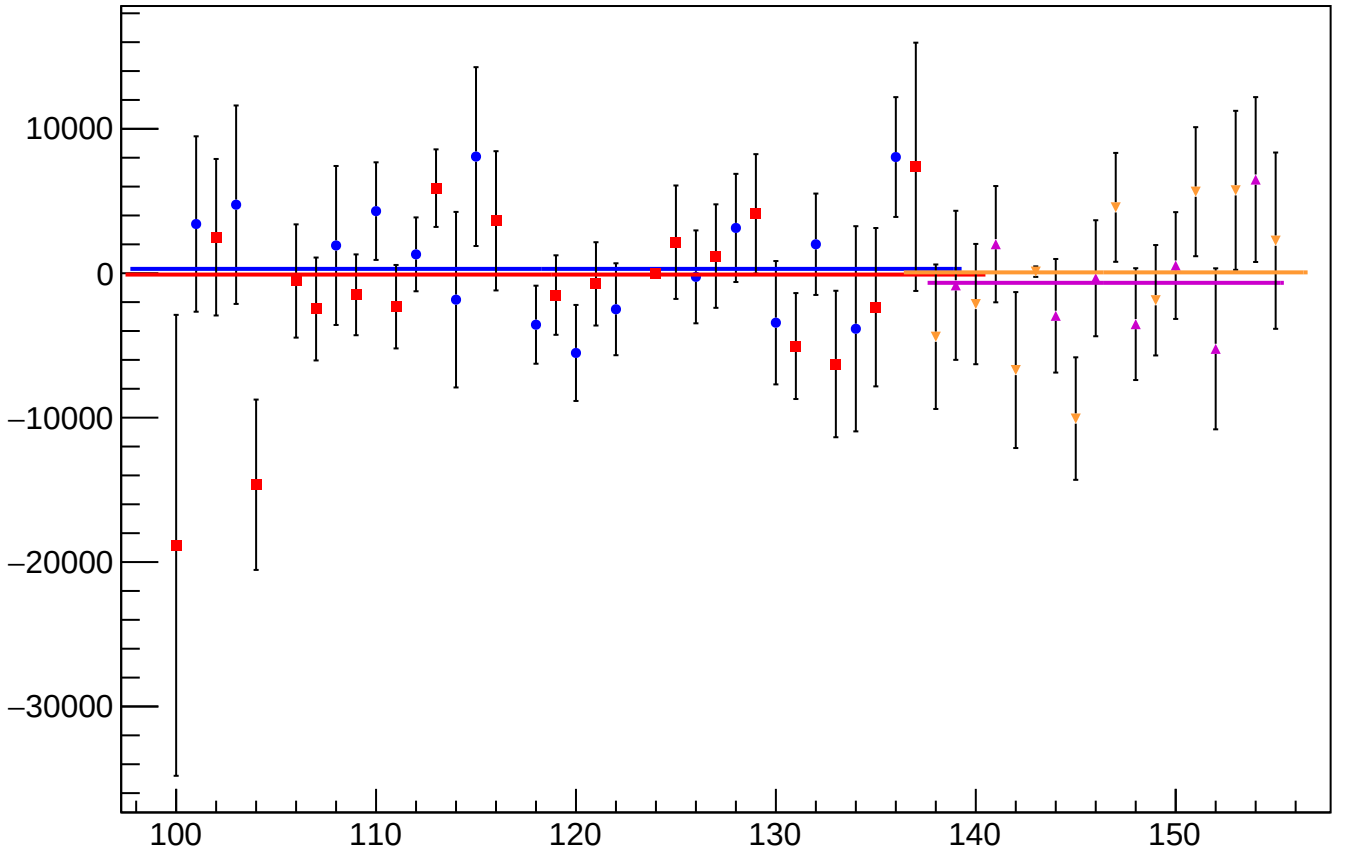
Left: 1794.431+/-0.331 χ^2/NDF: 315202.3/17

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1708.626+/-0.321 χ^2/NDF:189089.3/23

Out: 1755.652+/-0.321 χ^2/NDF:718525.1/28

All: 1732.126+/-0.227 χ^2/NDF: 918322.1/52



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 59.643+/-354.005 χ^2/NDF:12.8/9

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -664.018+/-1527.513 χ^2/NDF:3.7/7

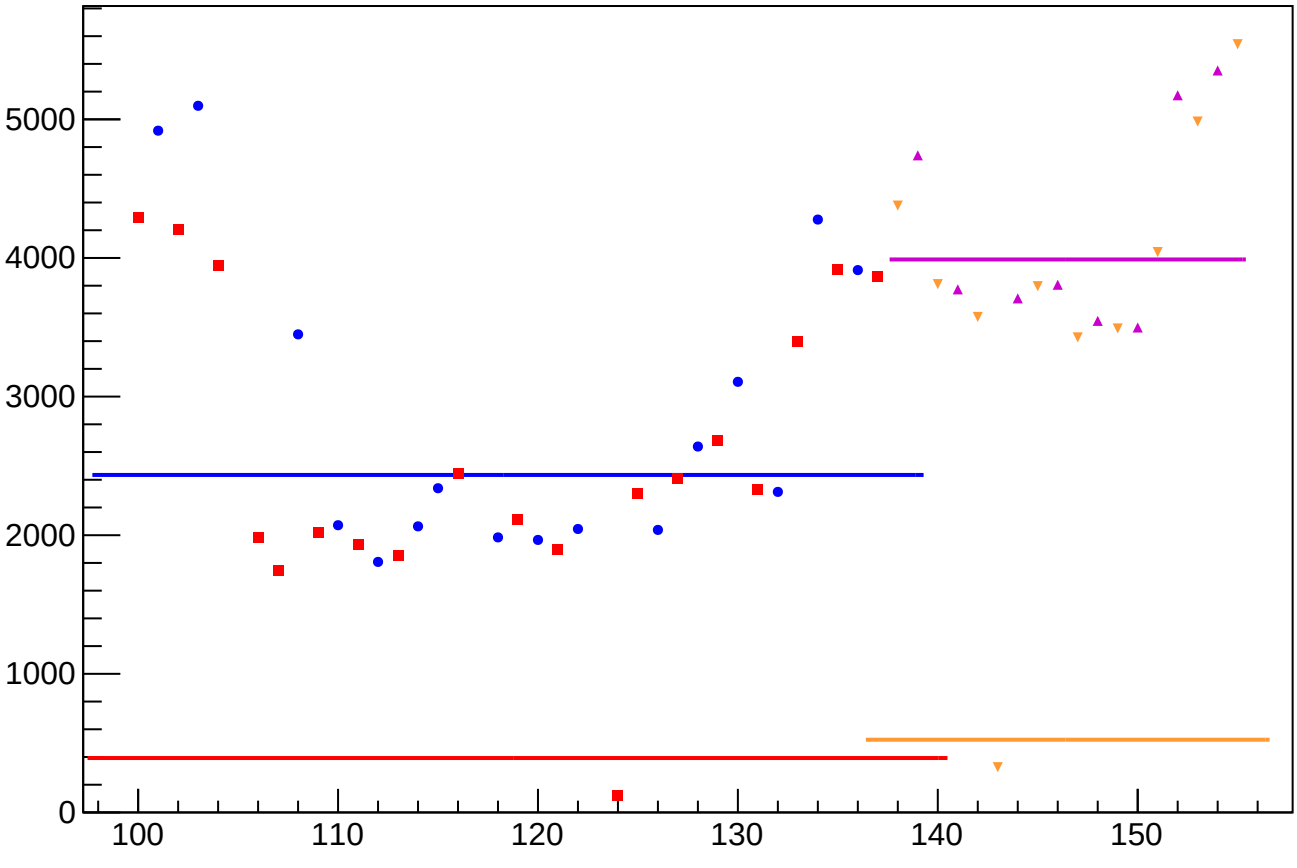
Left: 22.757+/-344.865 χ^2/NDF: 16.7/17

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 27.975+/-813.385 χ^2/NDF:19.3/23

Out: -24.946+/-235.641 χ^2/NDF:33.5/28

All: -20.848+/-226.334 χ^2/NDF: 52.8/52



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 524.765+/-0.250 χ^2/NDF:11144783.7/9

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3989.184+/-1.080 χ^2/NDF:328203.0/7

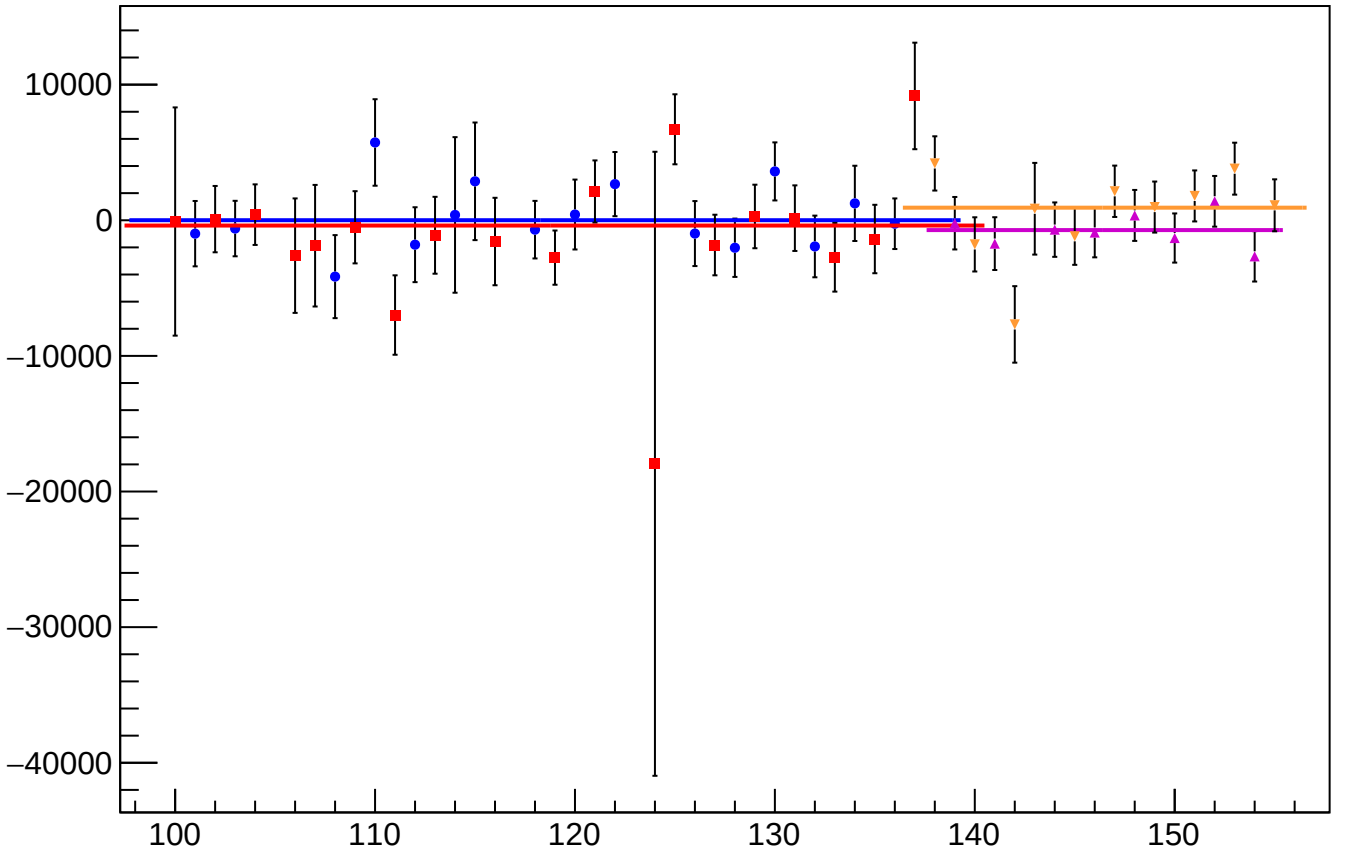
Left: 701.352+/-0.244 χ^2/NDF: 21236365.4/17

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2875.509+/-0.575 χ^2/NDF:3268076.0/23

Out: 451.196+/-0.167 χ^2/NDF:22707888.5/28

All: 638.910+/-0.160 χ^2/NDF: 42367297.8/52



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 928.359+/-655.358 χ^2/NDF:17.7/9

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -723.975+/-667.781 χ^2/NDF:3.2/7

Left: 117.704+/-467.738 χ^2/NDF: 24.0/17

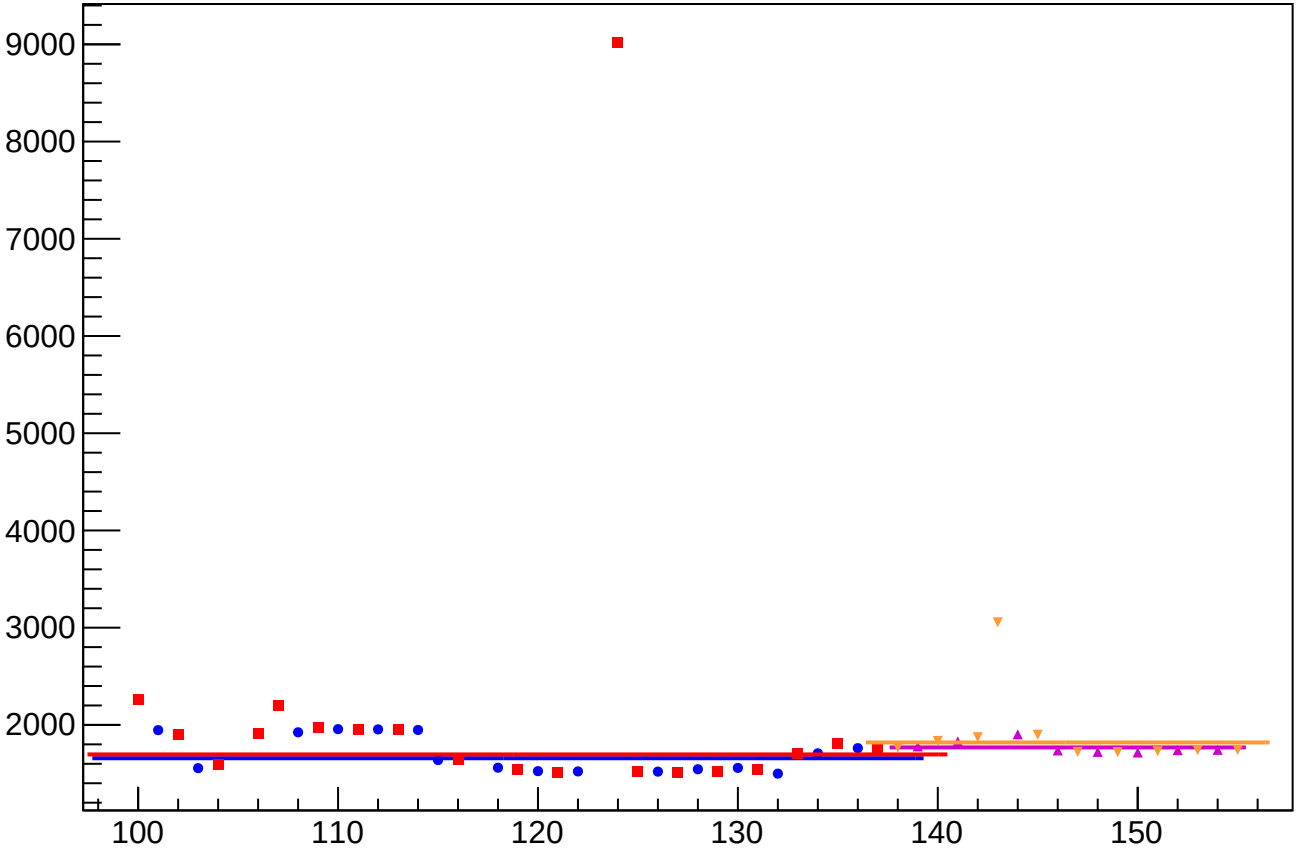
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -332.801+/-454.323 χ^2/NDF:16.2/23

Out: 247.512+/-455.554 χ^2/NDF:43.8/28

All: -43.430+/-321.689 χ^2/NDF: 60.9/52

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1819.506+/-0.463 χ^2/NDF:293957.8/9

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1768.397+/-0.472 χ^2/NDF:15276.6/7

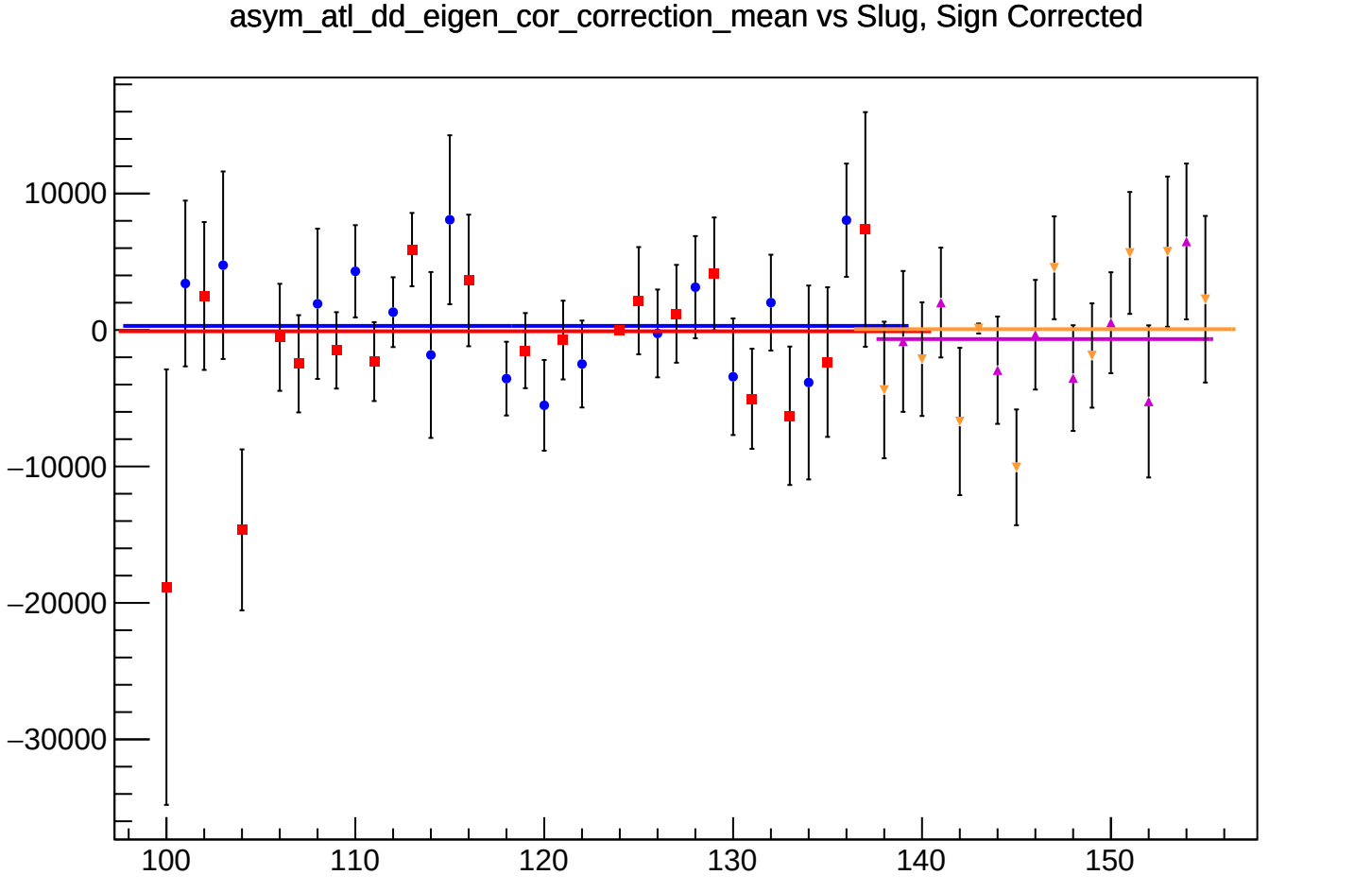
Left: 1794.431+/-0.331 χ^2/NDF: 315202.3/17

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1708.626+/-0.321 χ^2/NDF:189089.3/23

Out: 1755.652+/-0.321 χ^2/NDF:718525.1/28

All: 1732.126+/-0.227 χ^2/NDF: 918322.1/52



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 59.643+/-354.005 χ^2/NDF:12.8/9

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -664.018+/-1527.513 χ^2/NDF:3.7/7

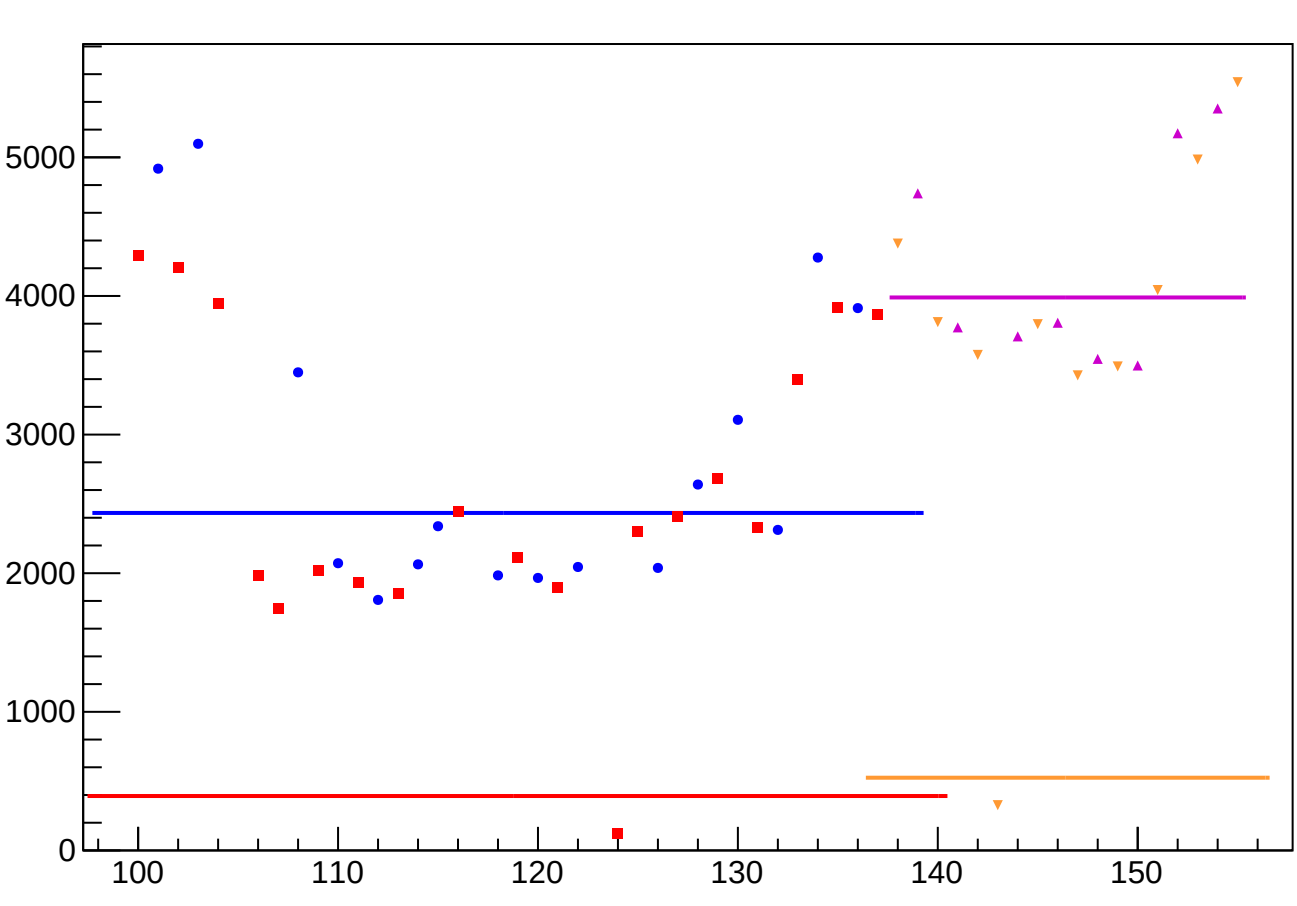
Left: 22.757+/-344.865 χ^2/NDF: 16.7/17

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: 27.975+/-813.385 χ^2/NDF:19.3/23

Out: -24.946+/-235.641 χ^2/NDF:33.5/28

All: -20.848+/-226.334 χ^2/NDF: 52.8/52



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 524.765+/-0.250 χ^2/NDF:11144783.7/9

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3989.184+/-1.080 χ^2/NDF:328203.0/7

Left: 701.352+/-0.244 χ^2/NDF: 21236365.4/17

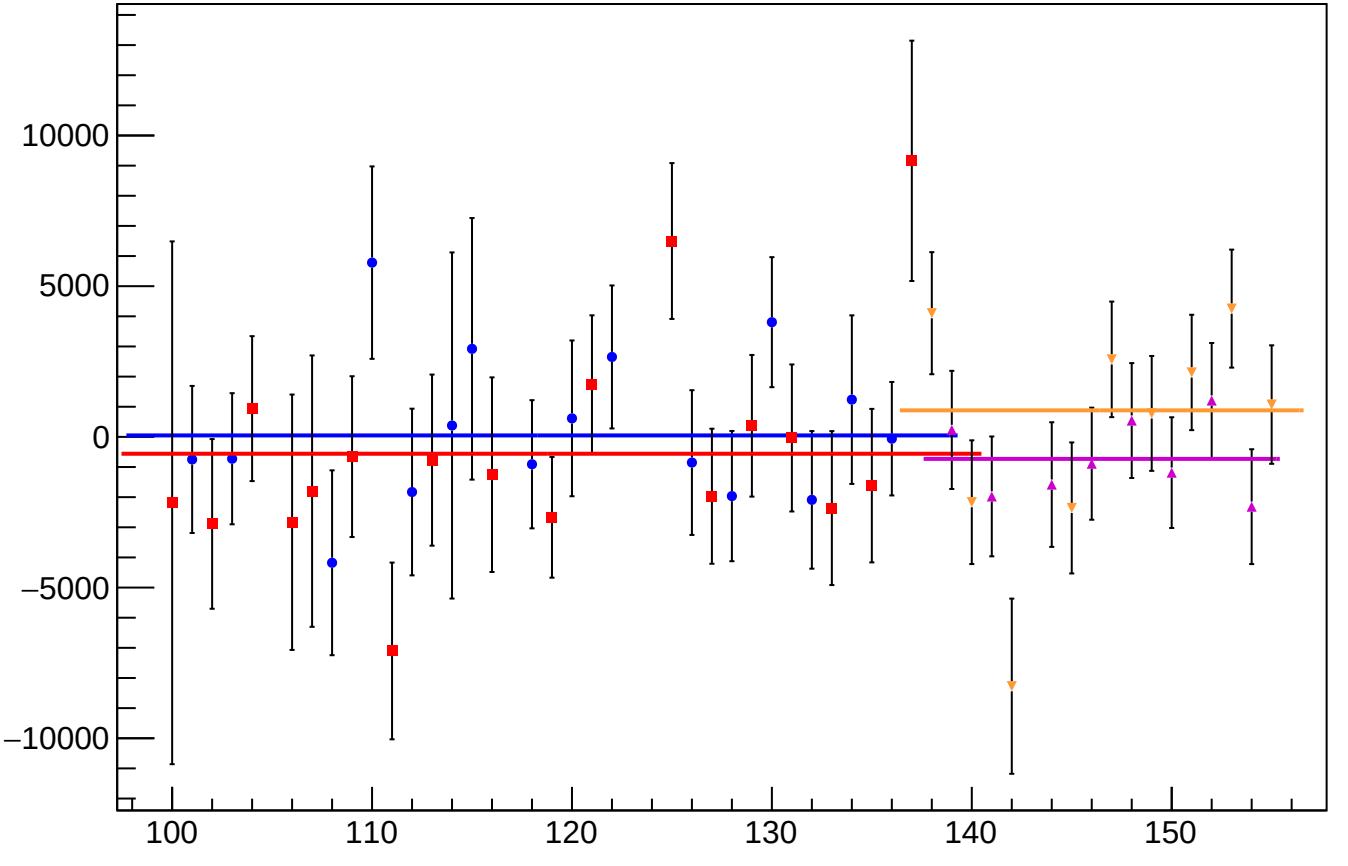
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2875.509+/-0.575 χ^2/NDF:3268076.0/23

Out: 451.196+/-0.167 χ^2/NDF:22707888.5/28

All: 638.910+/-0.160 χ^2/NDF: 42367297.8/52

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 880.146+/-681.831 χ^2/NDF:21.1/8

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -730.305+/-680.747 χ^2/NDF:3.0/7

Left: 73.639+/-481.744 χ^2/NDF: 26.9/16

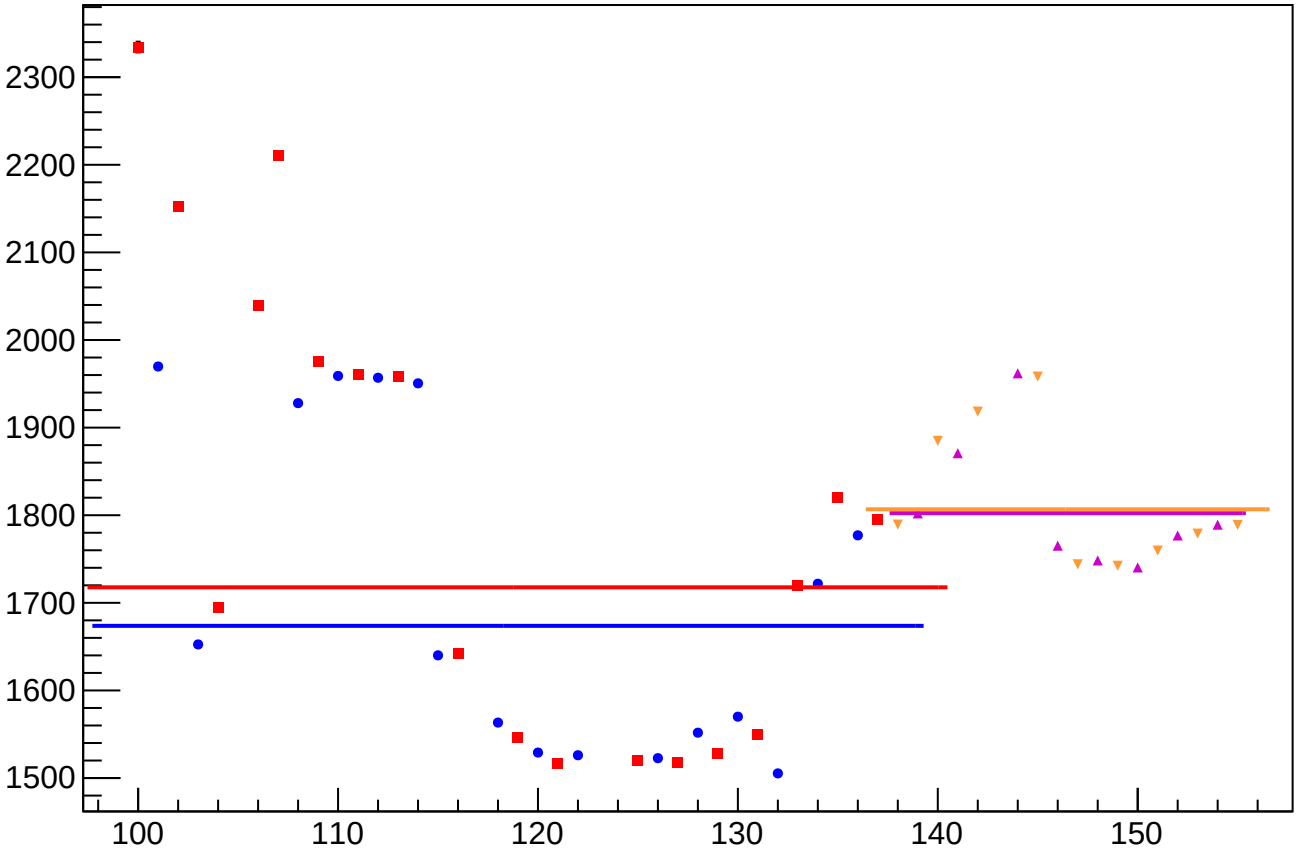
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -308.516+/-460.850 χ^2/NDF:16.6/23

Out: 120.663+/-468.675 χ^2/NDF:46.7/26

All: -97.539+/-328.602 χ^2/NDF: 63.7/50

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1806.763+/-0.482 χ^2/NDF:21901.9/8

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1802.376+/-0.481 χ^2/NDF:19413.1/7

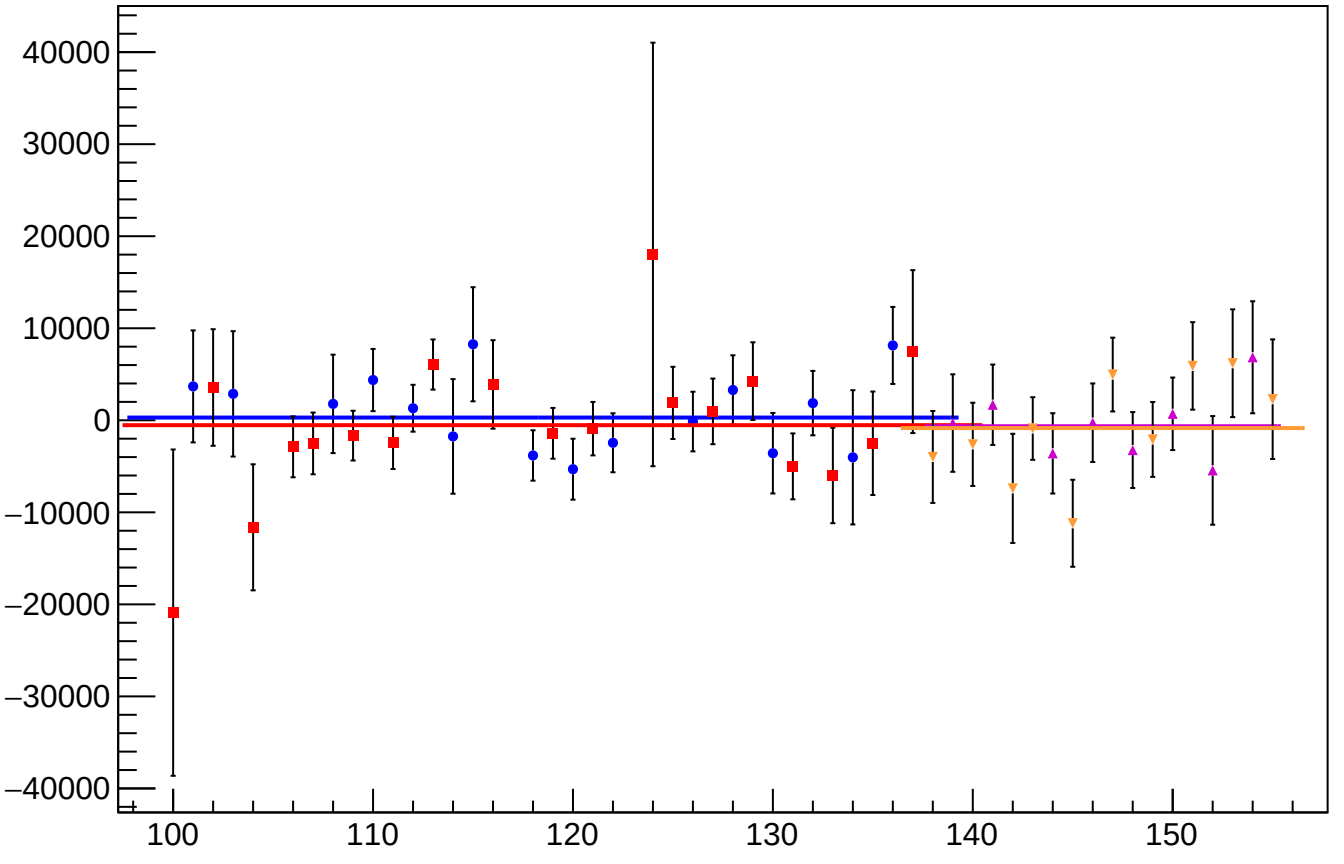
Left: 1804.566+/-0.341 χ^2/NDF: 41356.5/16

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1732.687+/-0.326 χ^2/NDF:198978.3/23

Out: 1759.685+/-0.331 χ^2/NDF:267579.1/26

All: 1745.976+/-0.232 χ^2/NDF: 469935.8/50



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -845.020+/-1461.364 χ^2/NDF:12.5/9

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -645.117+/-1634.340 χ^2/NDF:3.4/7

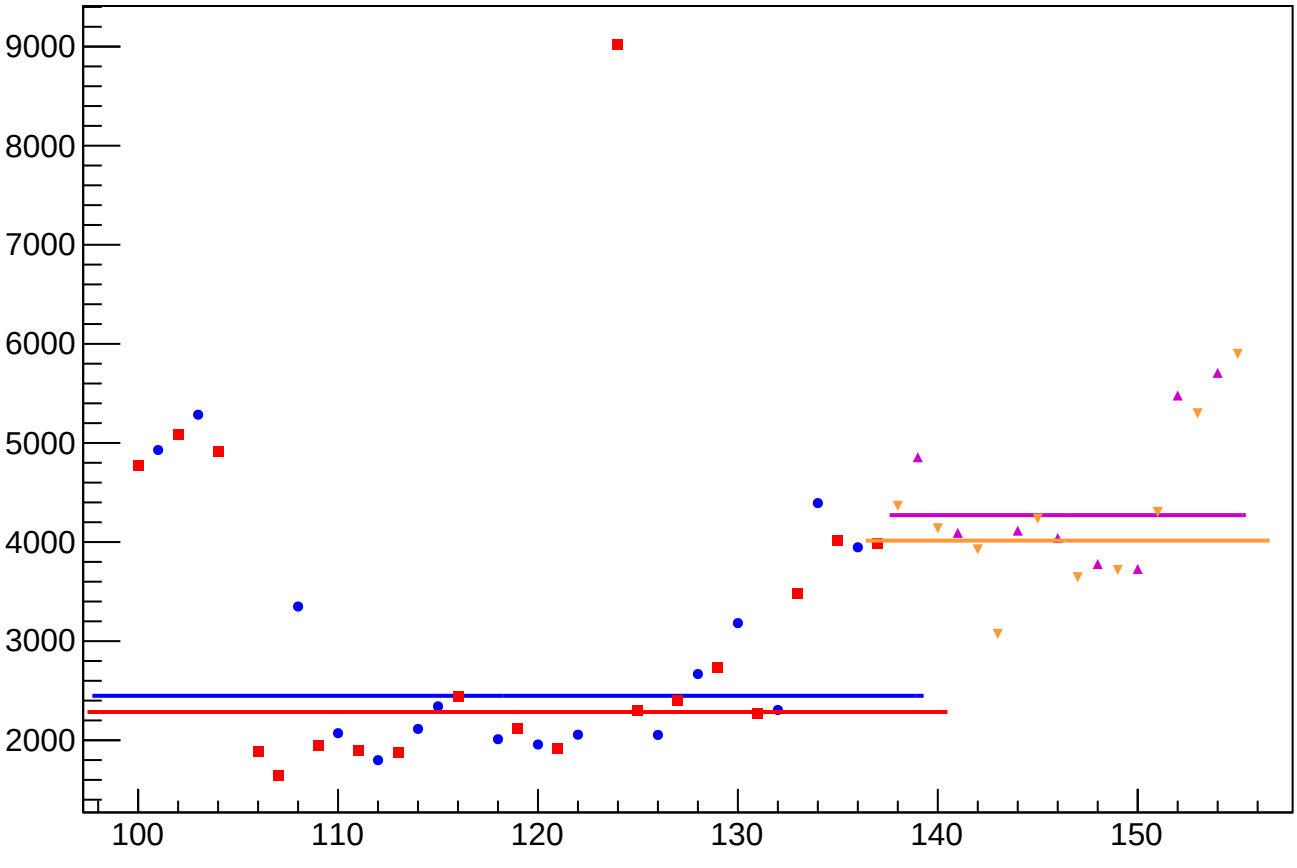
Left: -756.203+/-1089.380 χ^2/NDF: 15.9/17

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 53.216+/-830.754 χ^2/NDF:18.9/23

Out: -615.124+/-756.359 χ^2/NDF:31.3/28

All: -312.213+/-559.282 χ^2/NDF: 50.6/52



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4014.875+/-1.033 χ^2/NDF:469017.8/9

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4271.861+/-1.156 χ^2/NDF:297718.1/7

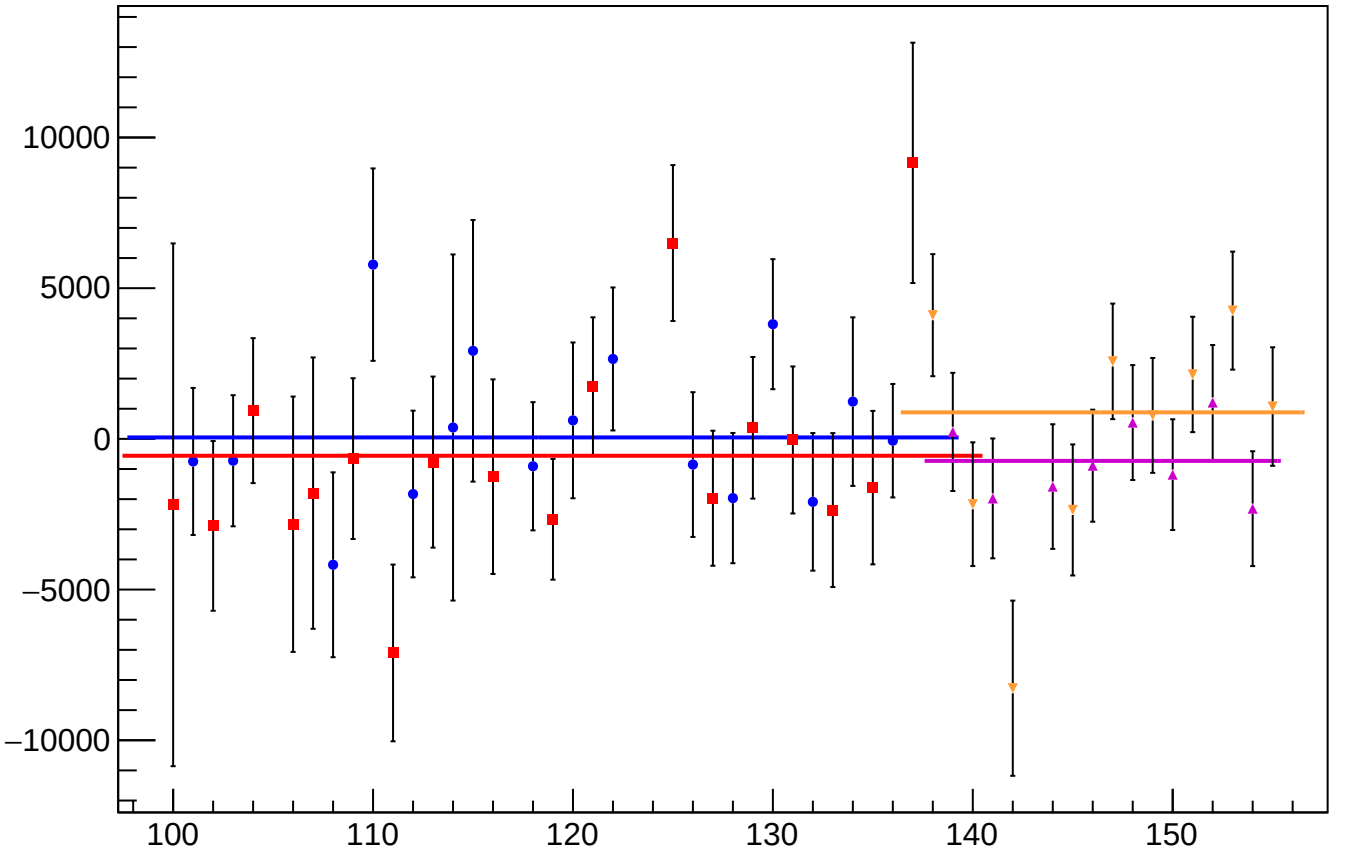
Left: 4129.054+/-0.770 χ^2/NDF: 794215.2/17

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 2919.694+/-0.587 χ^2/NDF:3661275.1/23

Out: 2748.453+/-0.535 χ^2/NDF:4069413.0/28

All: 2826.064+/-0.395 χ^2/NDF: 7777151.3/52



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 880.142+/-681.832 χ^2/NDF:21.1/8

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -730.306+/-680.748 χ^2/NDF:3.0/7

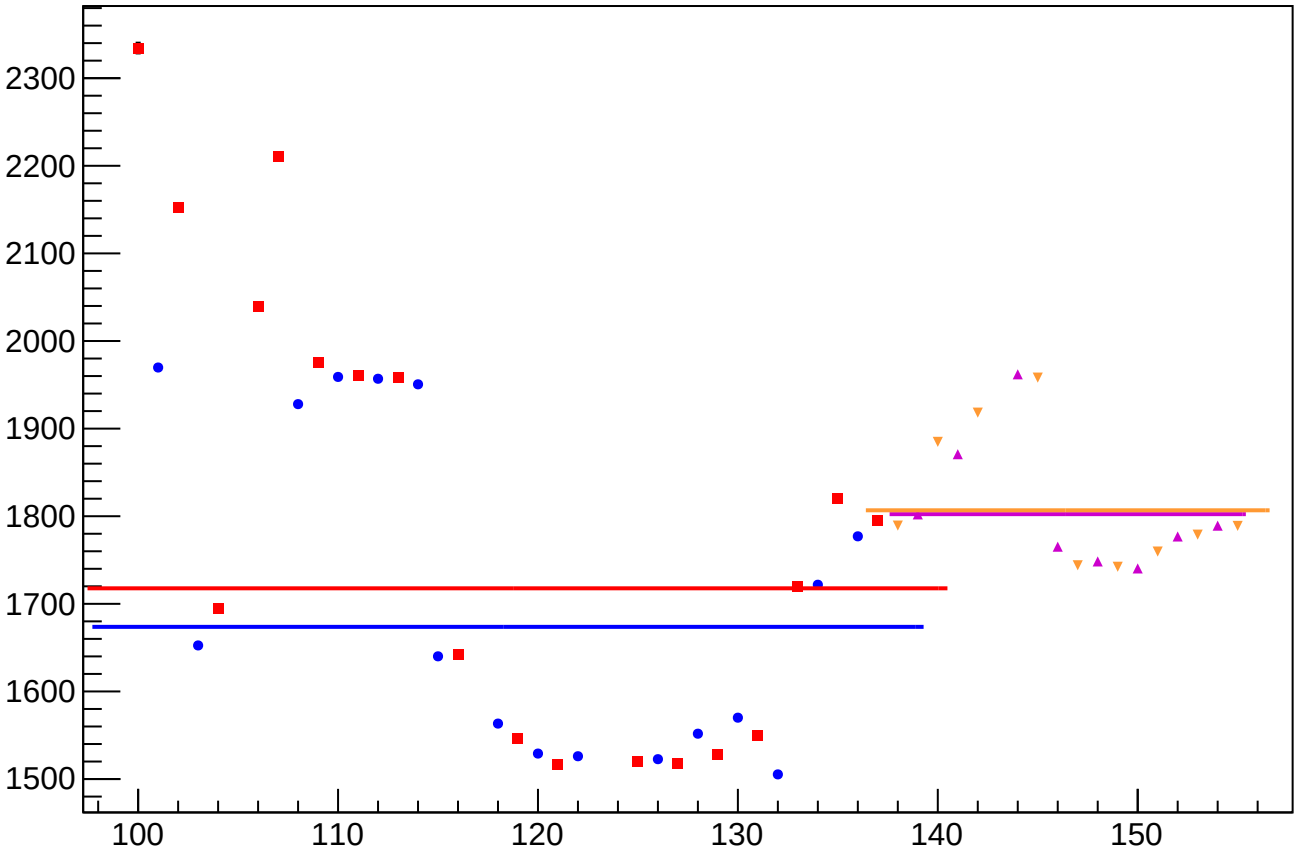
Left: 73.637+/-481.744 χ^2/NDF: 26.9/16

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -308.517+/-460.850 χ^2/NDF:16.6/23

Out: 120.660+/-468.675 χ^2/NDF:46.7/26

All: -97.542+/-328.602 χ^2/NDF: 63.7/50



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1806.764+/-0.482 χ^2/NDF:21902.4/8

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1802.377+/-0.481 χ^2/NDF:19413.3/7

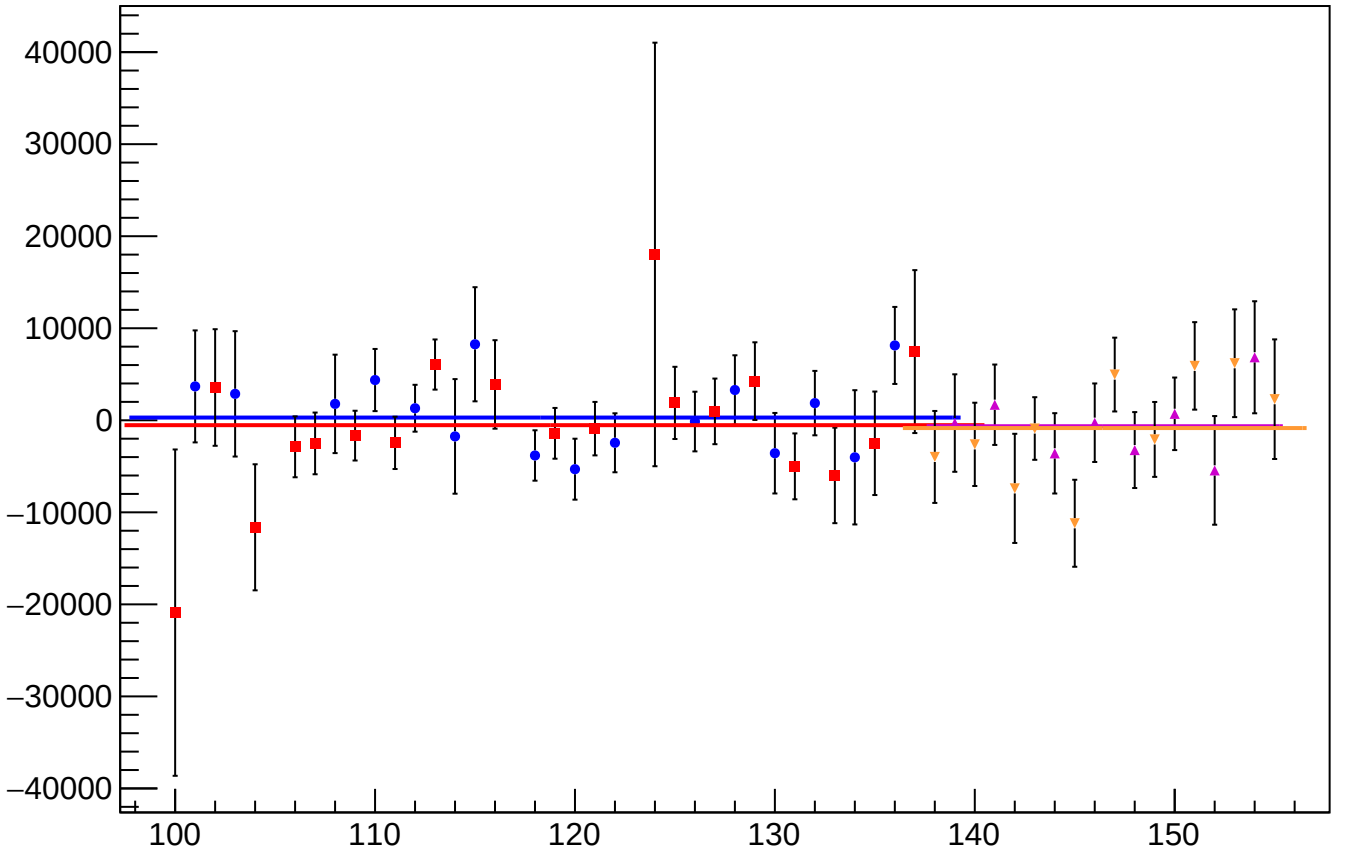
Left: 1804.567+/-0.341 χ^2/NDF: 41357.1/16

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1732.688+/-0.326 χ^2/NDF:198979.2/23

Out: 1759.686+/-0.331 χ^2/NDF:267579.2/26

All: 1745.976+/-0.232 χ^2/NDF: 469936.8/50



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -845.016+/-1461.366 χ^2/NDF:12.5/9

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -645.119+/-1634.342 χ^2/NDF:3.4/7

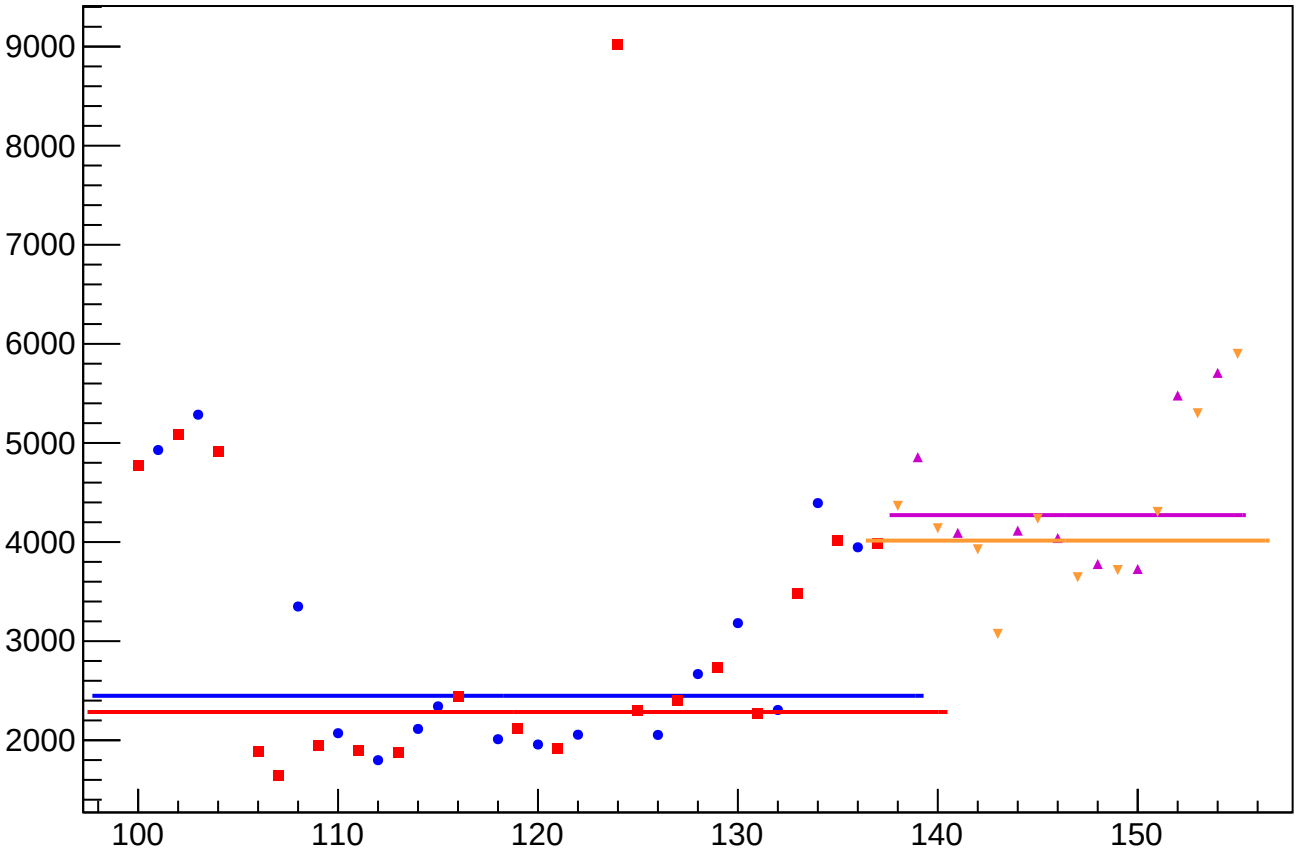
Left: -756.202+/-1089.382 χ^2/NDF: 15.9/17

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 53.214+/-830.752 χ^2/NDF:18.9/23

Out: -615.124+/-756.358 χ^2/NDF:31.3/28

All: -312.214+/-559.281 χ^2/NDF: 50.6/52



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4014.879+/-1.033 χ^2/NDF:469021.3/9

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4271.866+/-1.156 χ^2/NDF:297720.6/7

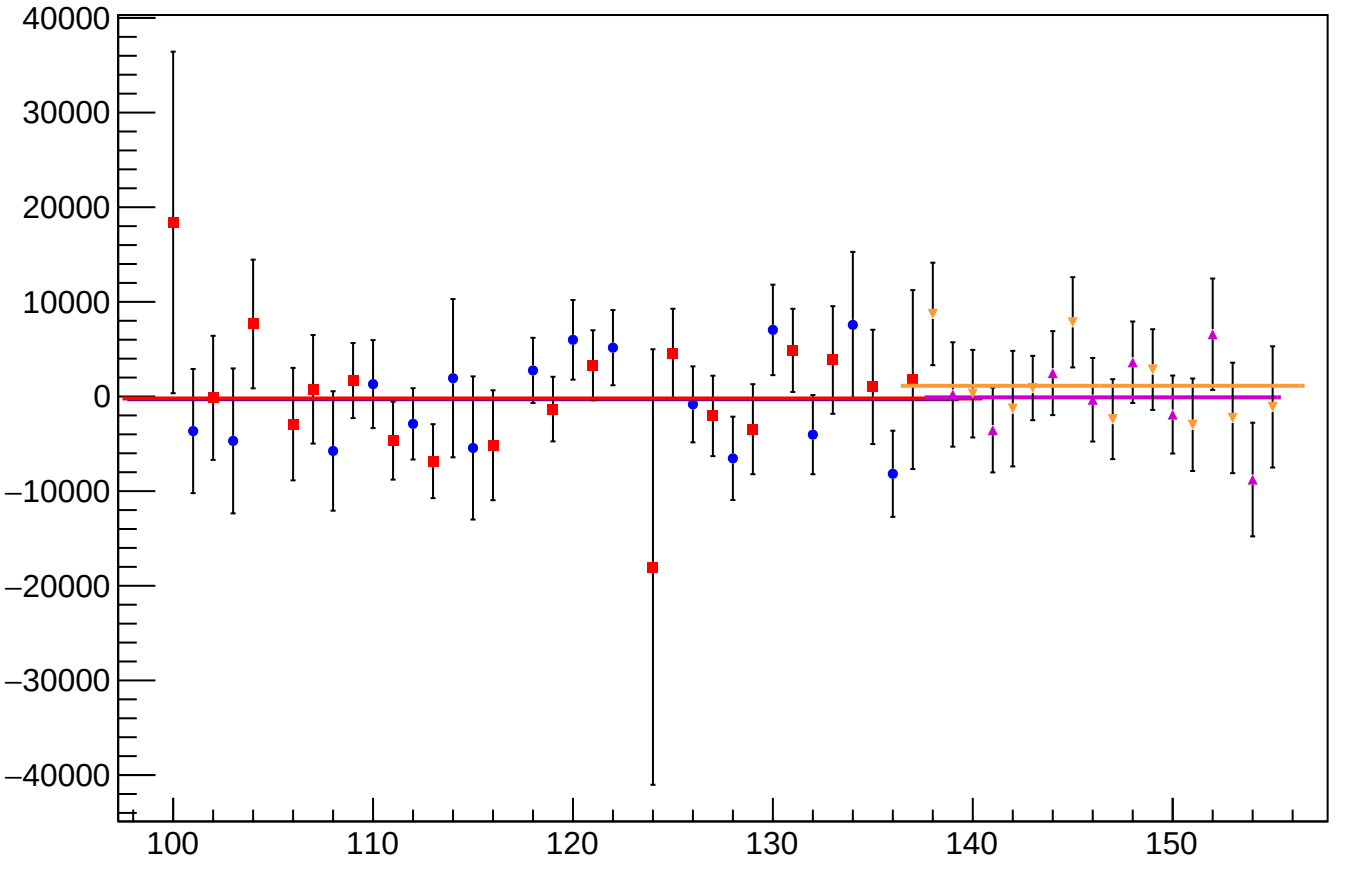
Left: 4129.058+/-0.770 χ^2/NDF: 794221.4/17

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 2919.684+/-0.587 χ^2/NDF:3661322.5/23

Out: 2748.444+/-0.535 χ^2/NDF:4069455.3/28

All: 2826.055+/-0.395 χ^2/NDF: 7777240.2/52



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 1131.171+/-1499.374 χ^2/NDF:6.2/9

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: -90.014+/-1680.578 χ^2/NDF:5.2/7

Left: 589.940+/-1118.817 χ^2/NDF: 11.7/17

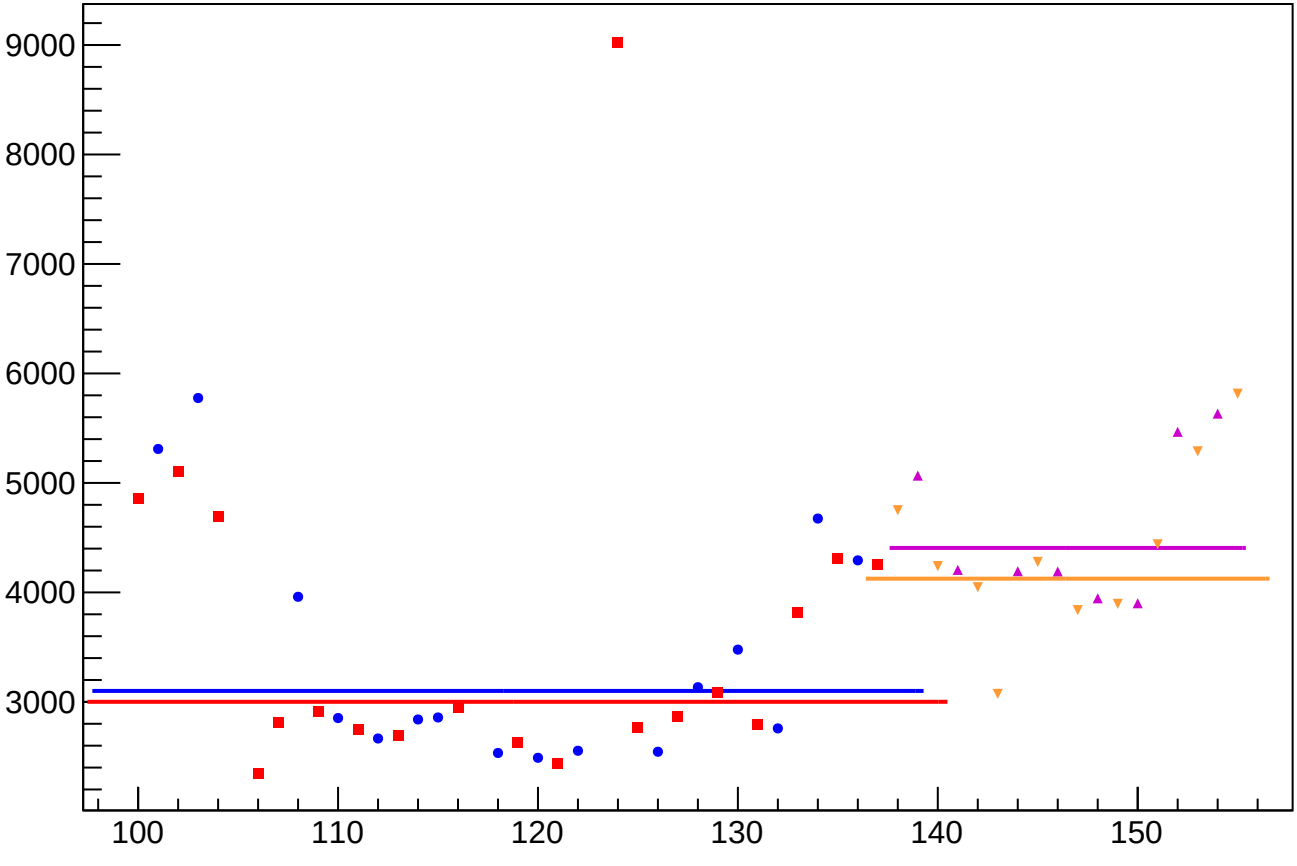
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -220.859+/-975.158 χ^2/NDF:21.8/23

Out: 289.113+/-914.372 χ^2/NDF:19.5/28

All: 50.515+/-667.013 χ^2/NDF: 41.5/52

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4125.603+/-1.060 χ^2/NDF:463649.6/9

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4406.224+/-1.188 χ^2/NDF:243298.0/7

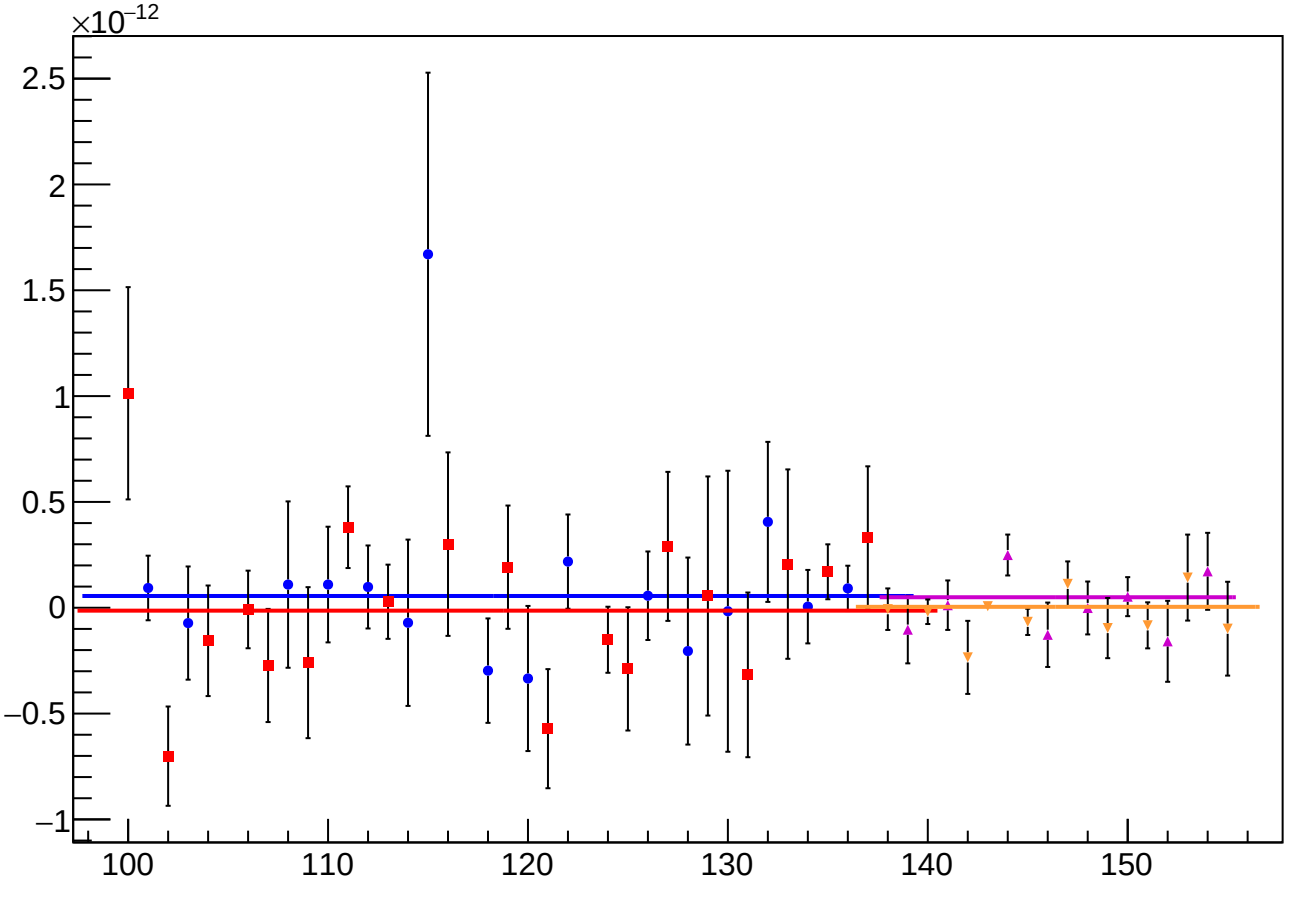
Left: 4249.975+/-0.791 χ^2/NDF: 737997.0/17

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3539.883+/-0.690 χ^2/NDF:2008229.8/23

Out: 3411.966+/-0.641 χ^2/NDF:1984390.3/28

All: 3471.268+/-0.469 χ^2/NDF: 4011080.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.5/7

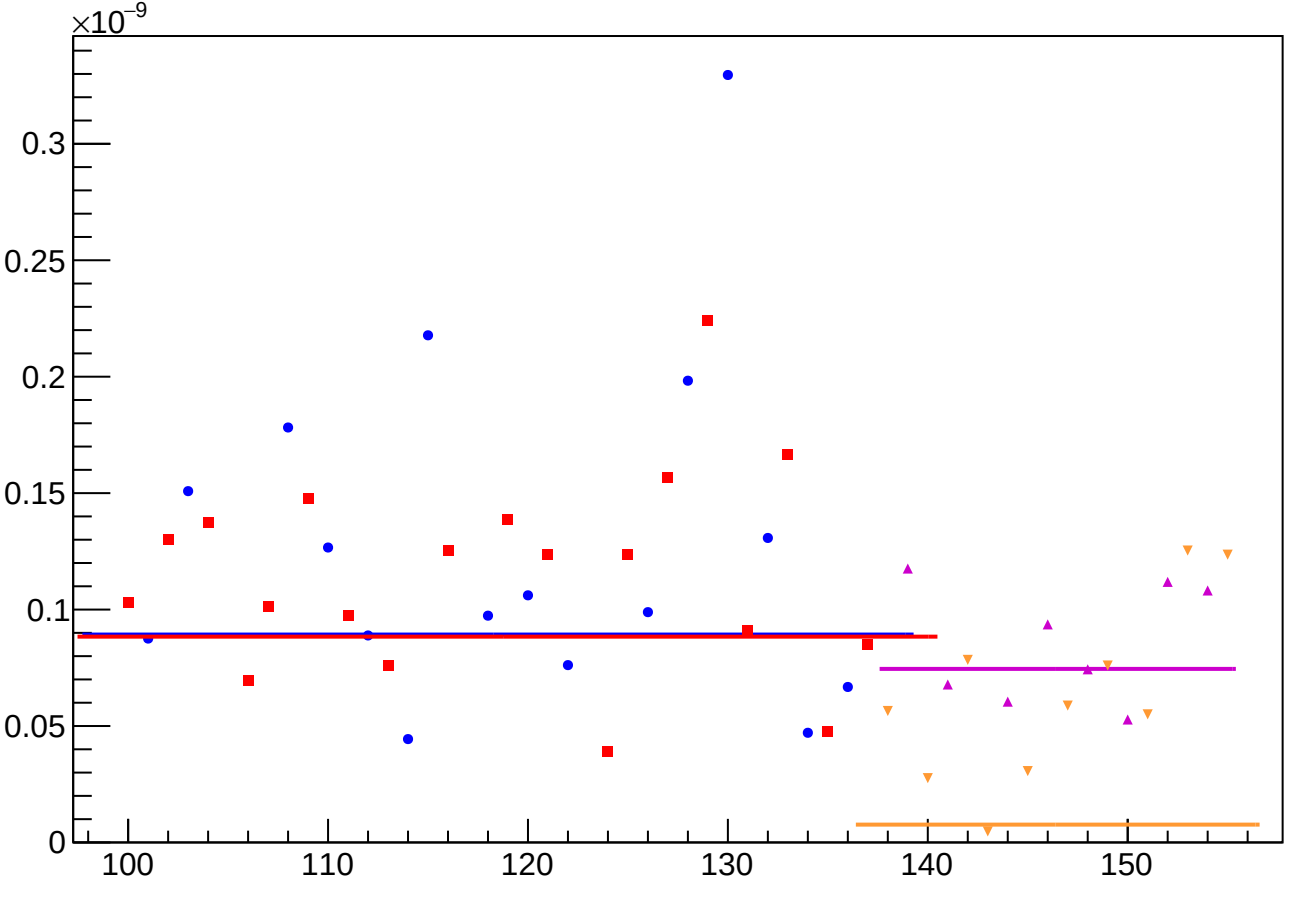
Left: 0.000+/-0.000 χ^2/NDF: 15.8/17

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:17.8/23

Out: 0.000+/-0.000 χ^2/NDF:36.5/28

All: 0.000+/-0.000 χ^2/NDF: 56.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4077330.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:482962.9/7

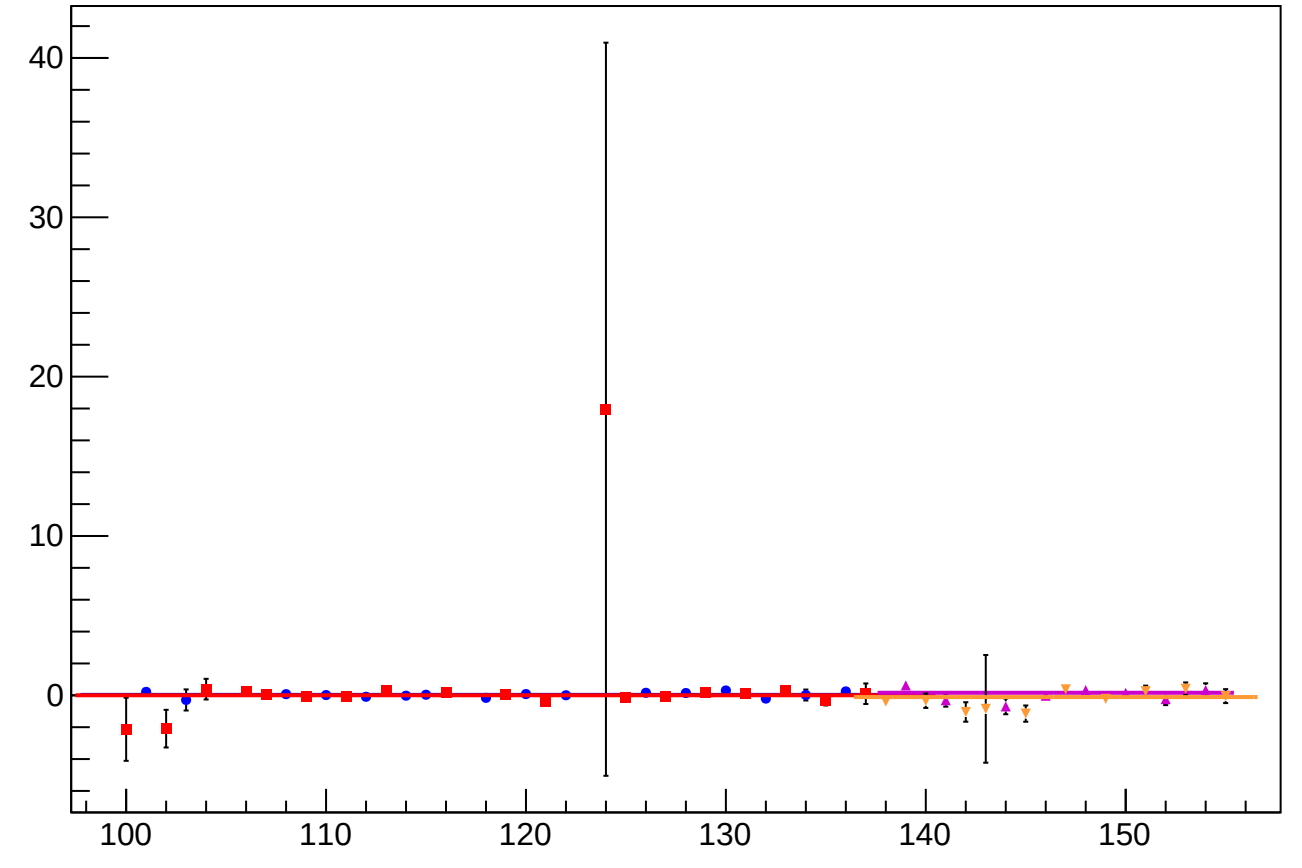
Left: 0.000+/-0.000 χ^2/NDF: 8889645.1/17

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1516474.5/23

Out: 0.000+/-0.000 χ^2/NDF:9183198.8/28

All: 0.000+/-0.000 χ^2/NDF: 18386867.1/52



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.110+/-0.124 χ^2/NDF:13.4/9

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.161+/-0.116 χ^2/NDF:10.2/7

Left: 0.034+/-0.085 χ^2/NDF: 26.1/17

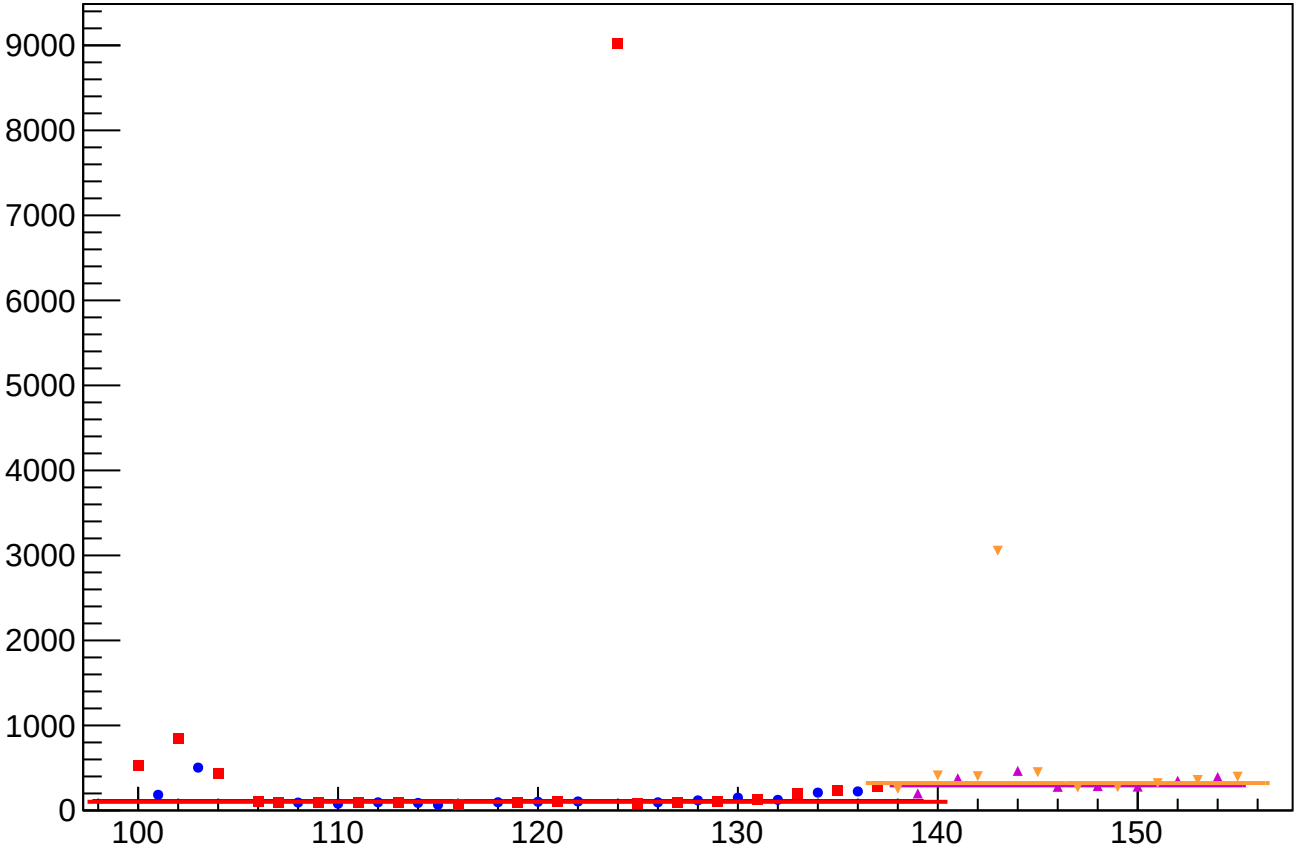
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.042 χ^2/NDF:20.2/23

Out: -0.009+/-0.041 χ^2/NDF:36.5/28

All: 0.017+/-0.029 χ^2/NDF: 57.6/52

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: 322.339+/-0.087 χ^2/NDF:1848482.9/9

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 294.823+/-0.082 χ^2/NDF:823255.5/7

Left: 307.756+/-0.060 χ^2/NDF: 2724321.1/17

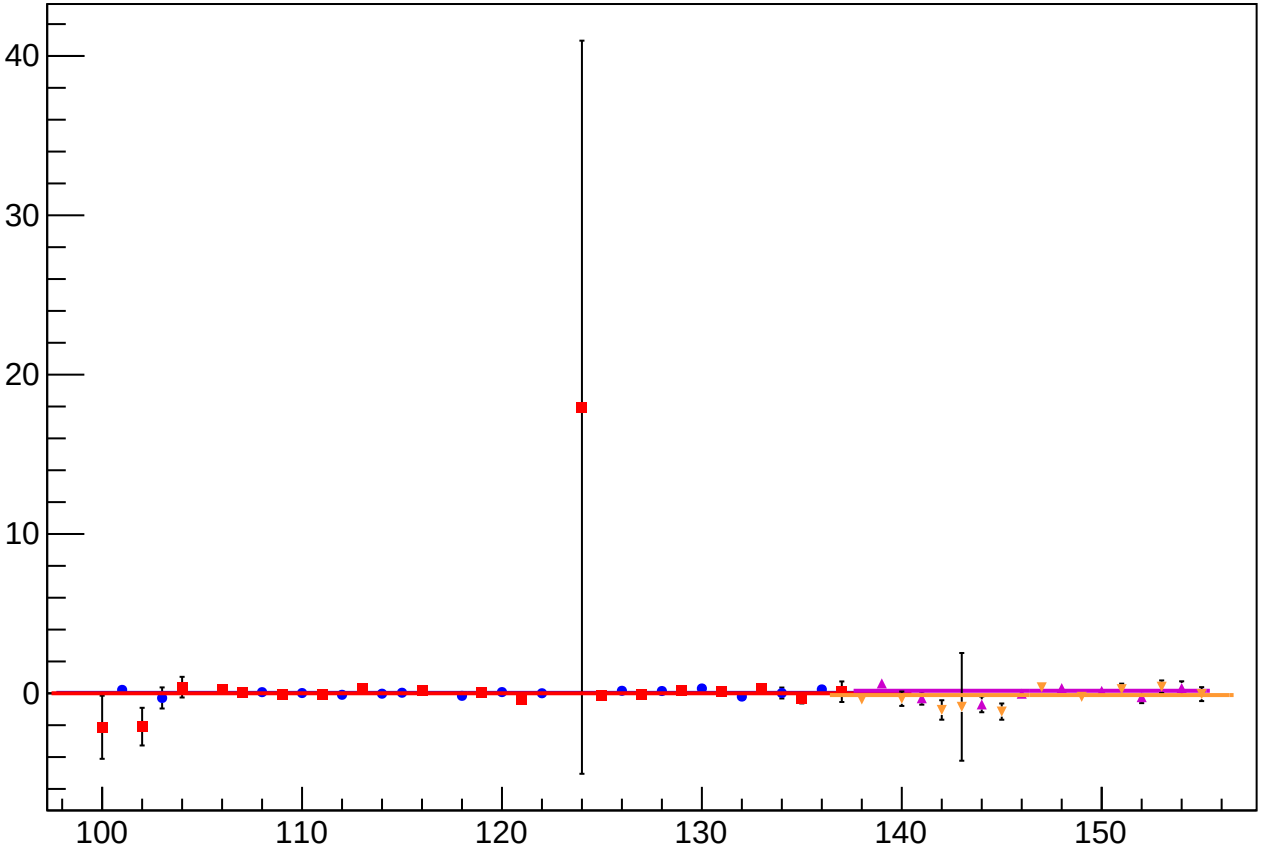
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 134.323+/-0.030 χ^2/NDF:7137379.8/23

Out: 126.046+/-0.029 χ^2/NDF:10109927.9/28

All: 130.056+/-0.021 χ^2/NDF: 17286947.5/52

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: -0.110+/-0.124 χ^2/NDF:13.4/9

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.161+/-0.116 χ^2/NDF:10.2/7

Left: 0.034+/-0.085 χ^2/NDF: 26.1/17

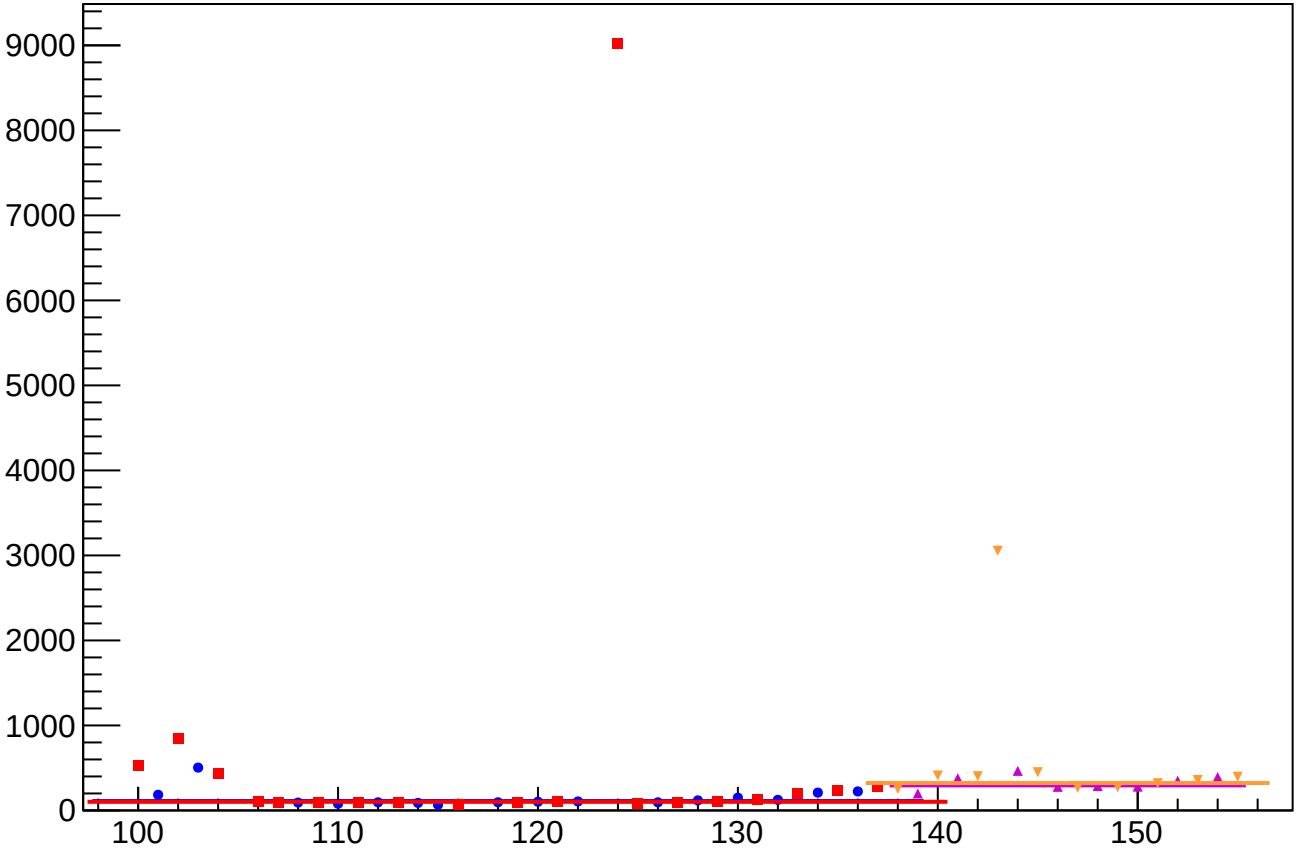
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.042 χ^2/NDF:20.2/23

Out: -0.009+/-0.041 χ^2/NDF:36.5/28

All: 0.017+/-0.029 χ^2/NDF: 57.6/52

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: 322.339+/-0.087 χ^2/NDF:1848482.9/9

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 294.823+/-0.082 χ^2/NDF:823255.5/7

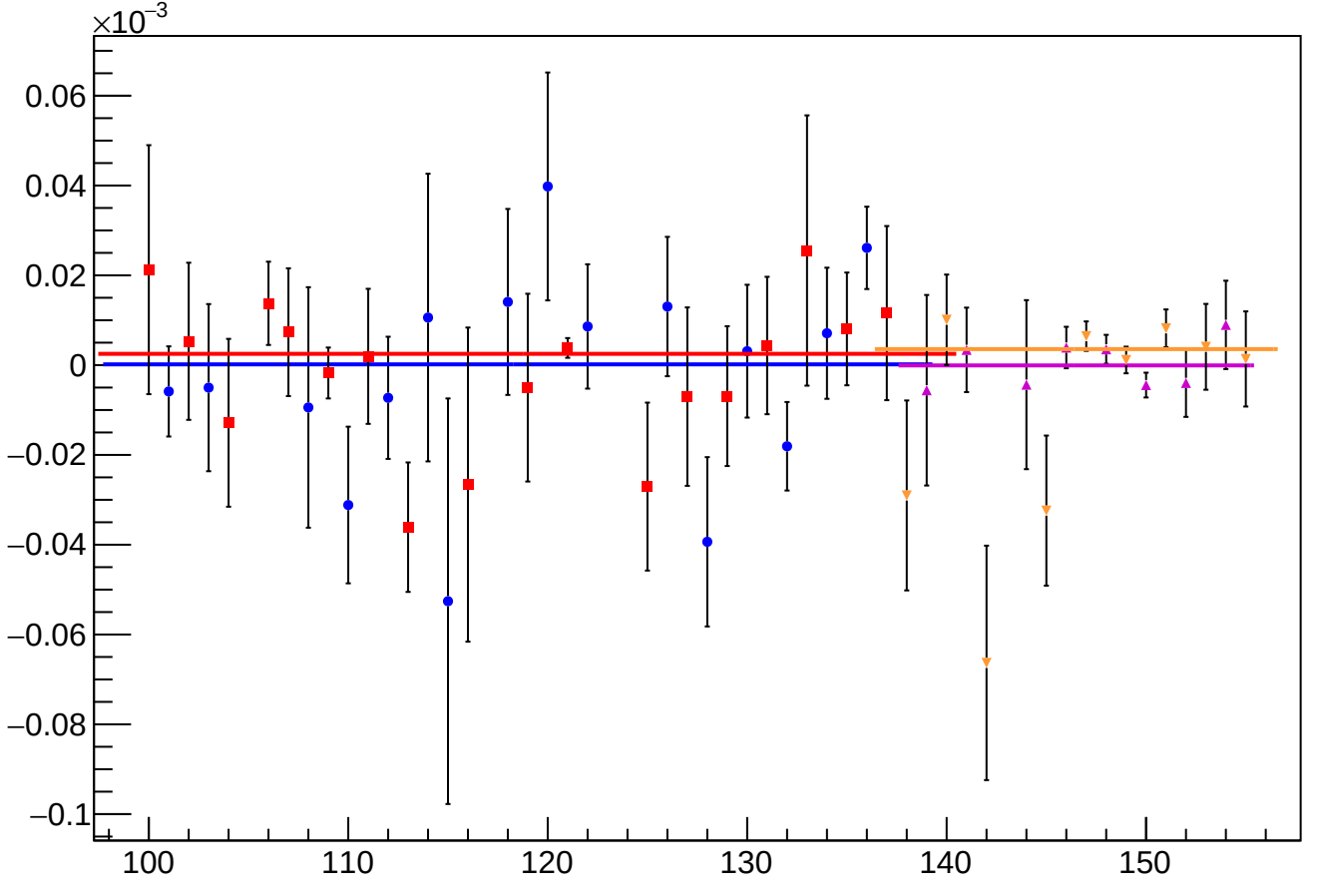
Left: 307.756+/-0.060 χ^2/NDF: 2724321.1/17

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 134.323+/-0.030 χ^2/NDF:7137379.8/23

Out: 126.046+/-0.029 χ^2/NDF:10109927.9/28

All: 130.056+/-0.021 χ^2/NDF: 17286947.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:5.9/7

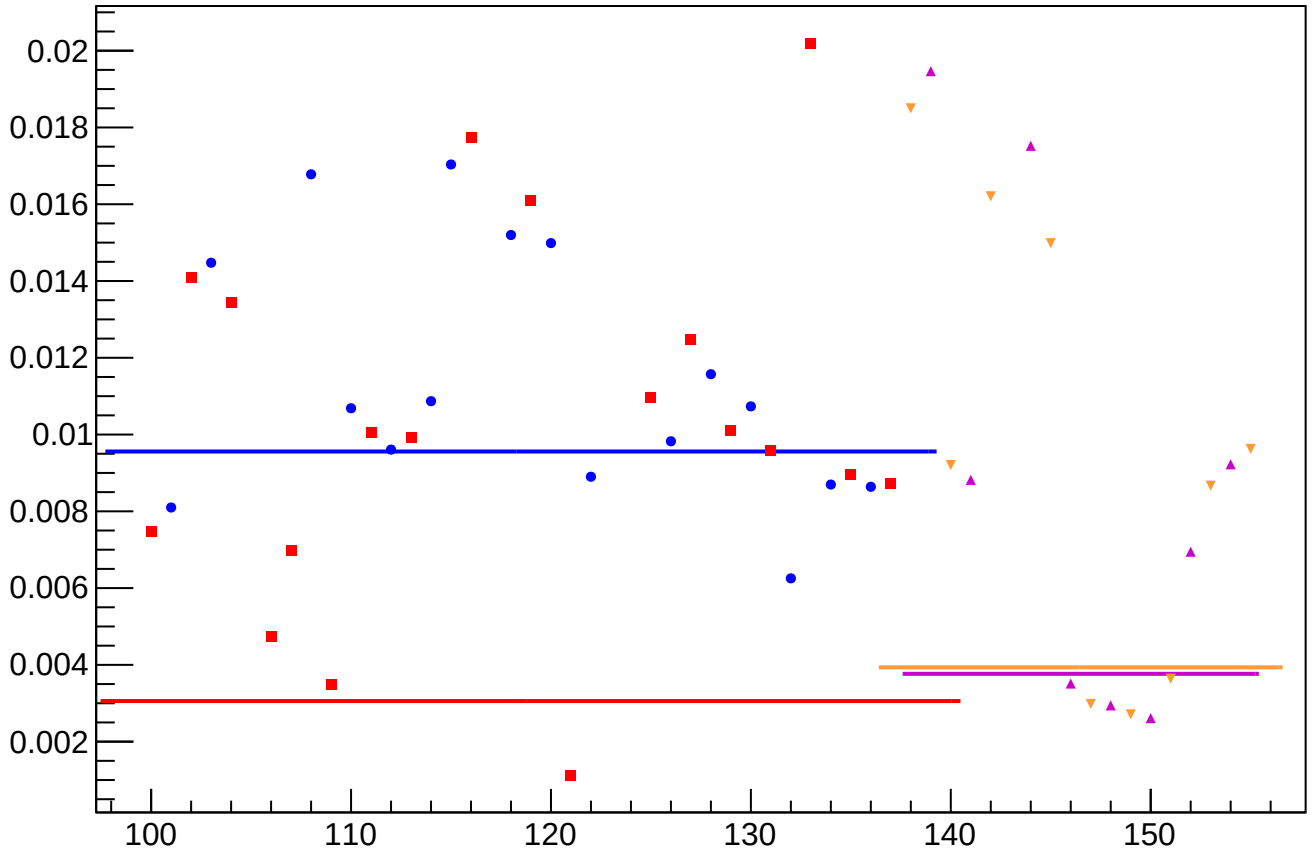
Left: 0.000+/-0.000 χ^2/NDF: 25.2/16

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:31.5/23

Out: 0.000+/-0.000 χ^2/NDF:33.2/26

All: 0.000+/-0.000 χ^2/NDF: 66.9/50



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:4399660.1/8

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:4197410.3/7

Left: 0.004+/-0.000 χ^2/NDF: 8605853.8/16

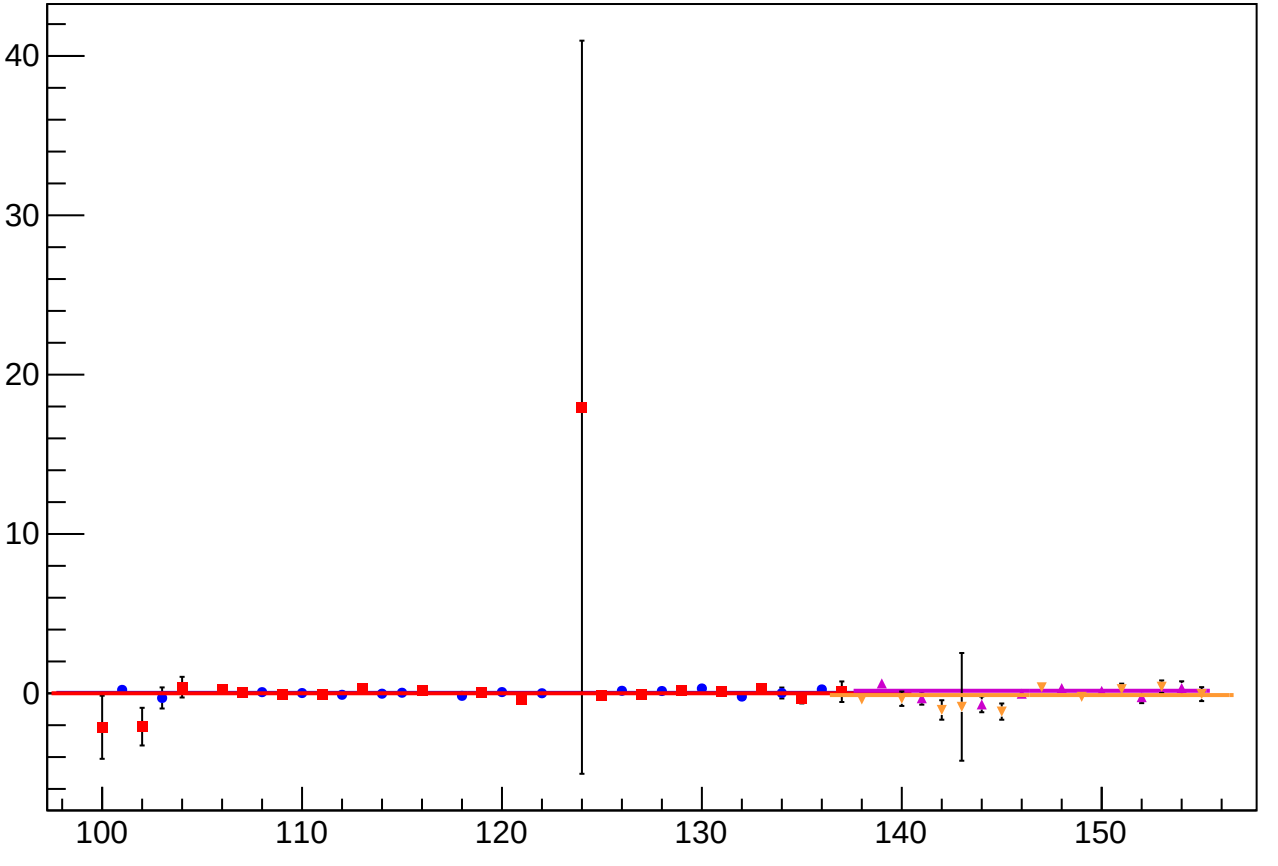
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:9058352.1/23

Out: 0.003+/-0.000 χ^2/NDF:12752475.5/26

All: 0.004+/-0.000 χ^2/NDF: 22652739.6/50

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: -0.110+/-0.124 χ^2/NDF:13.4/9

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.161+/-0.116 χ^2/NDF:10.2/7

Left: 0.034+/-0.085 χ^2/NDF: 26.1/17

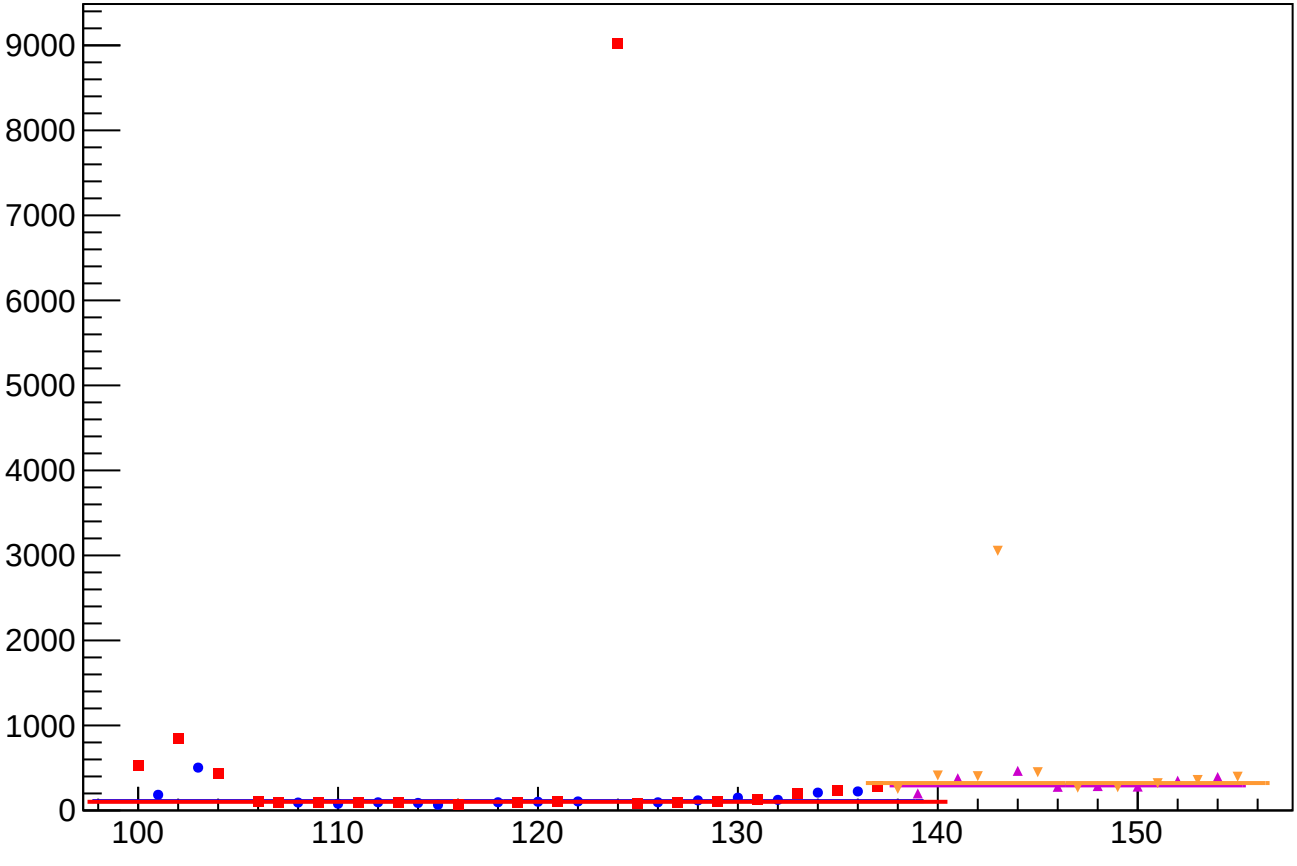
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.042 χ^2/NDF:20.2/23

Out: -0.009+/-0.041 χ^2/NDF:36.5/28

All: 0.017+/-0.029 χ^2/NDF: 57.6/52

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: 322.341+/-0.087 χ^2/NDF:1848520.0/9

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 294.827+/-0.082 χ^2/NDF:823232.9/7

Left: 307.759+/-0.060 χ^2/NDF: 2724328.0/17

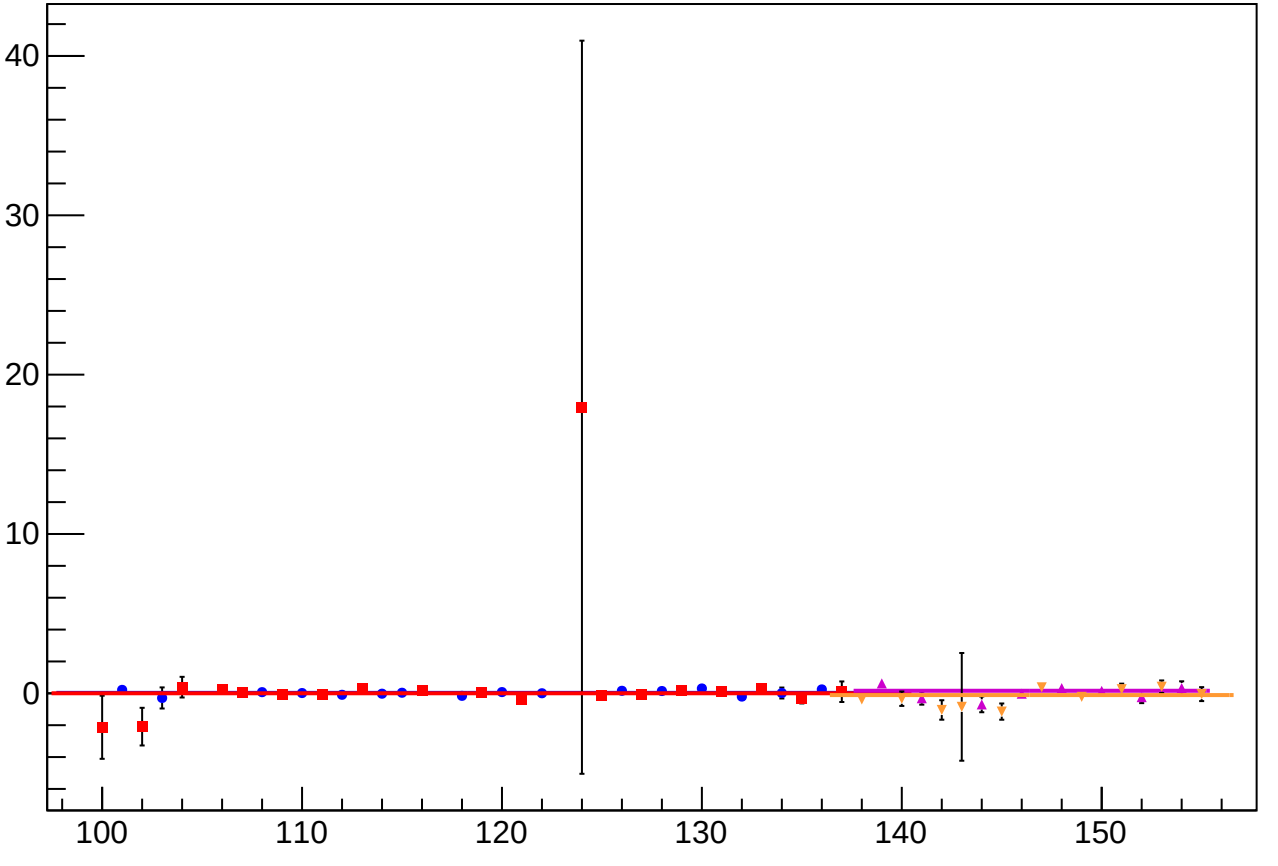
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 134.324+/-0.030 χ^2/NDF:7137336.3/23

Out: 126.047+/-0.029 χ^2/NDF:10109847.3/28

All: 130.057+/-0.021 χ^2/NDF: 17286819.0/52

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: -0.110+/-0.124 χ^2/NDF:13.4/9

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.161+/-0.116 χ^2/NDF:10.2/7

Left: 0.034+/-0.085 χ^2/NDF: 26.1/17

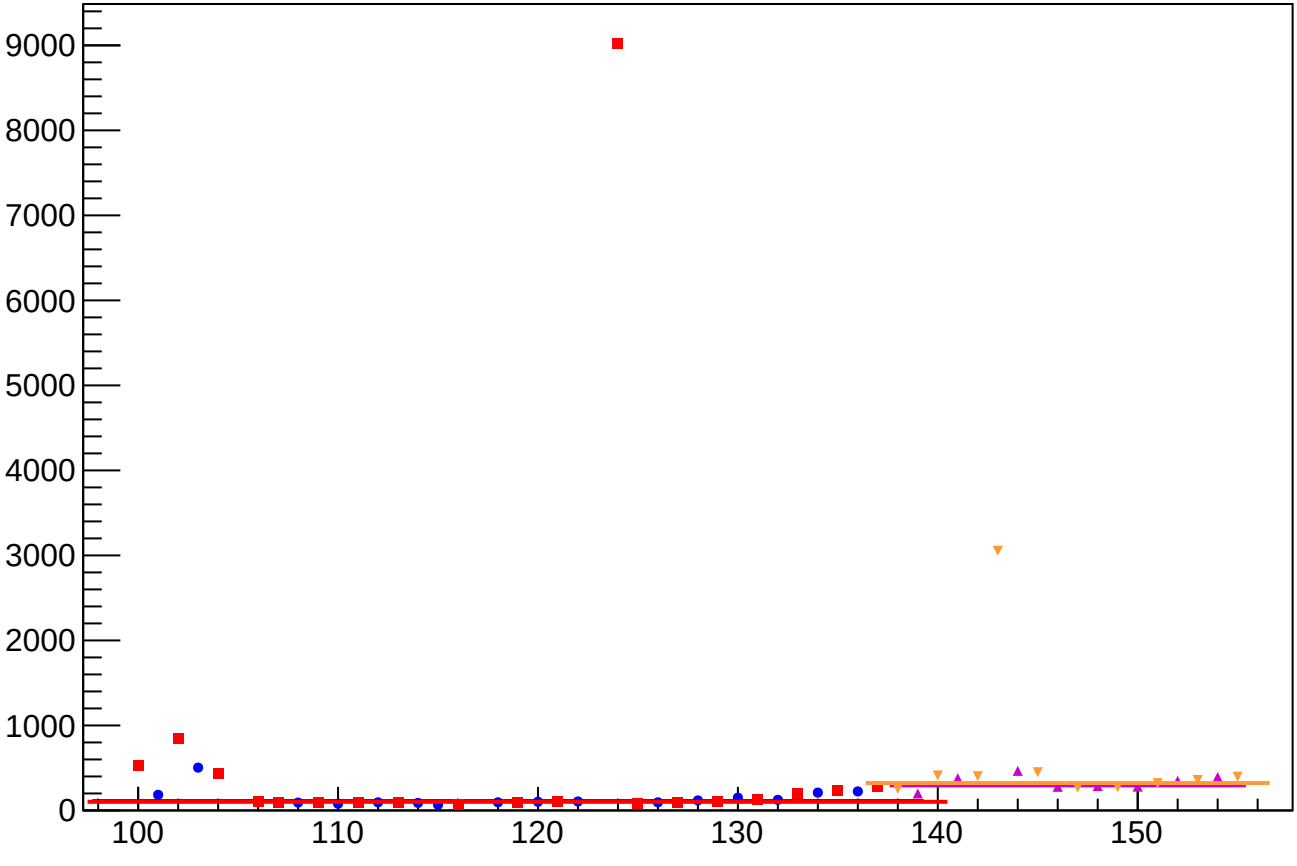
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.046+/-0.042 χ^2/NDF:20.2/23

Out: -0.009+/-0.041 χ^2/NDF:36.5/28

All: 0.017+/-0.029 χ^2/NDF: 57.6/52

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: 322.341+/-0.087 χ^2/NDF:1848520.0/9

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 294.827+/-0.082 χ^2/NDF:823232.9/7

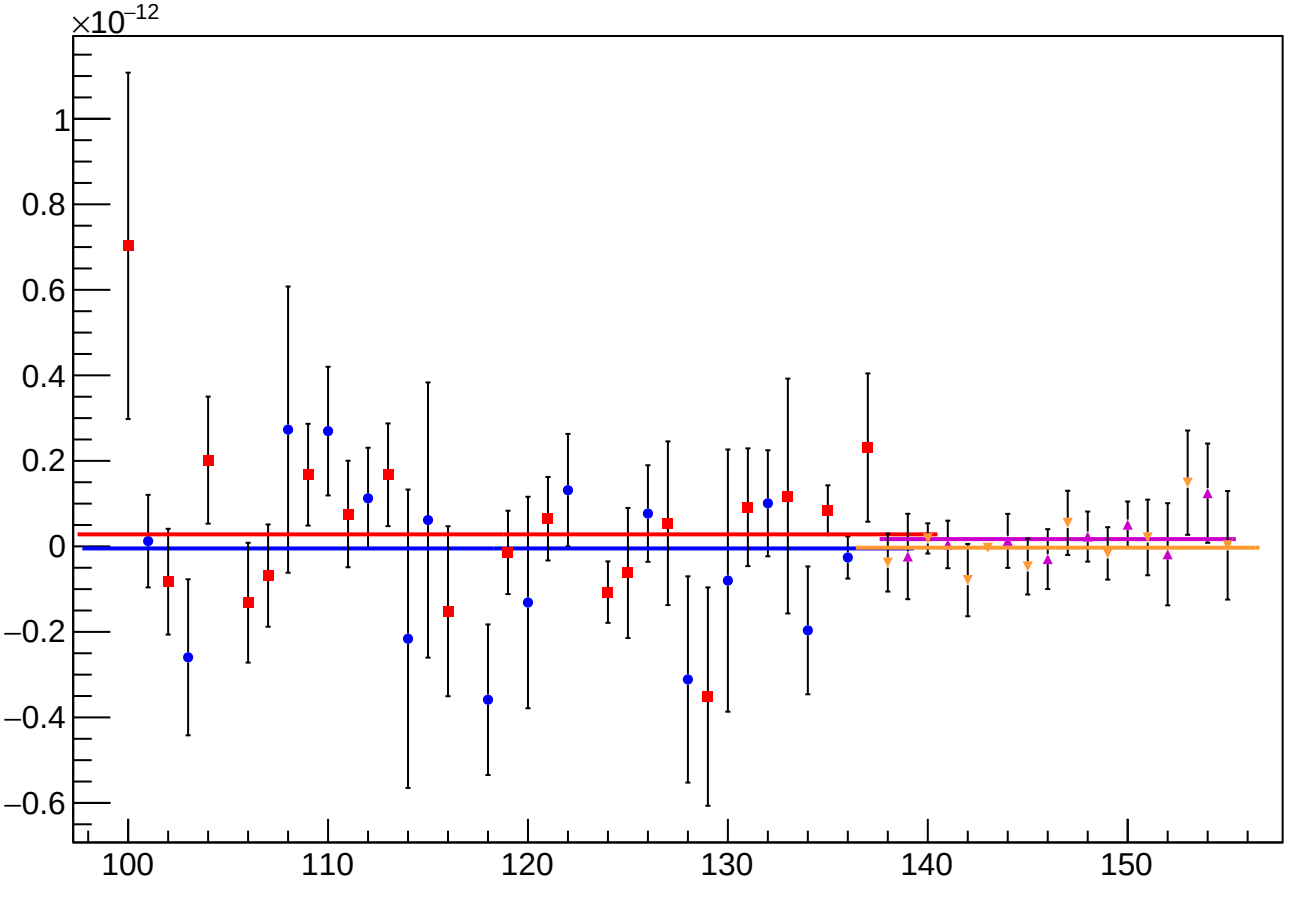
Left: 307.759+/-0.060 χ^2/NDF: 2724328.0/17

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 134.324+/-0.030 χ^2/NDF:7137336.3/23

Out: 126.047+/-0.029 χ^2/NDF:10109847.3/28

All: 130.057+/-0.021 χ^2/NDF: 17286819.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2.0/7

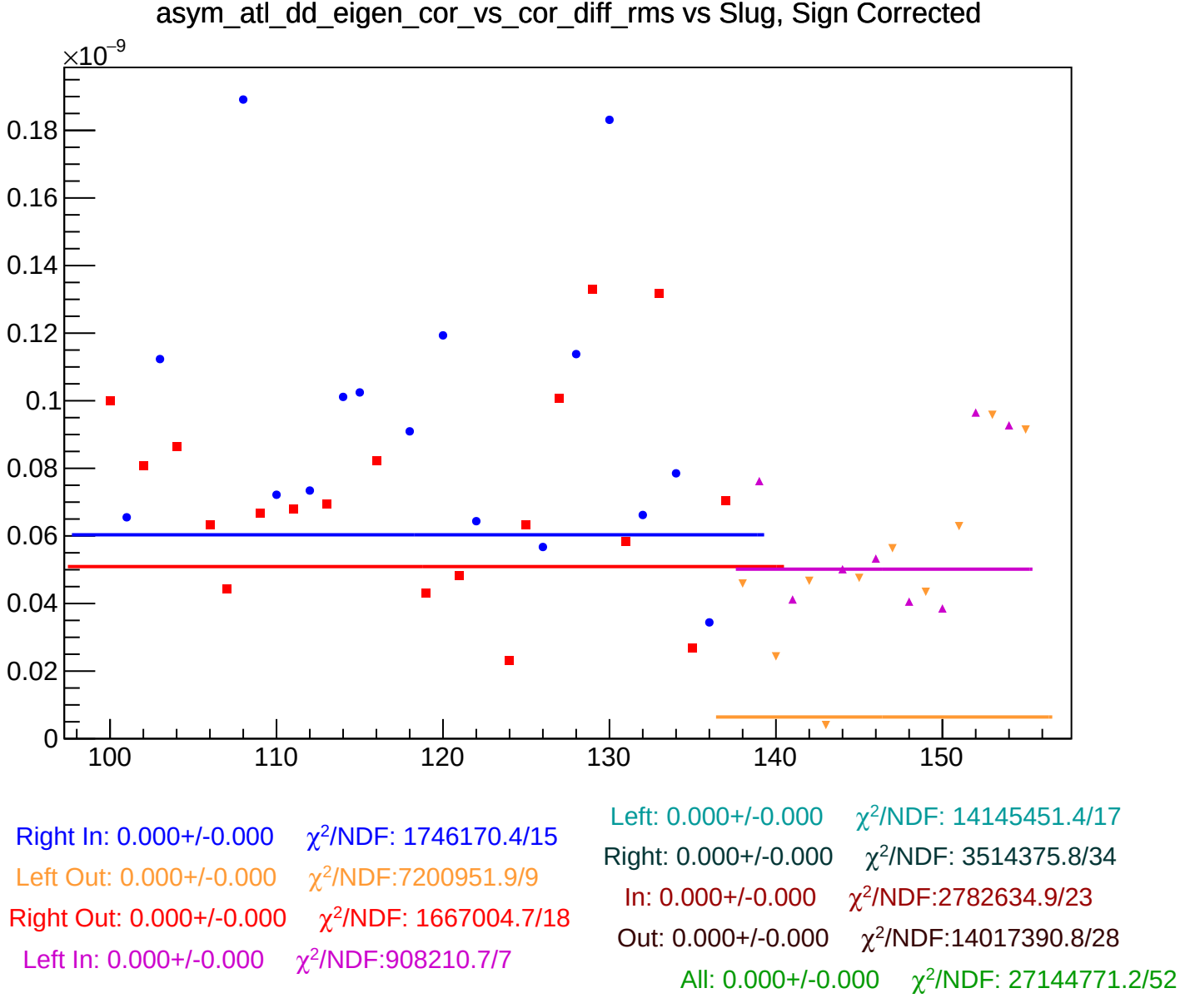
Left: -0.000+/-0.000 χ^2/NDF: 6.8/17

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

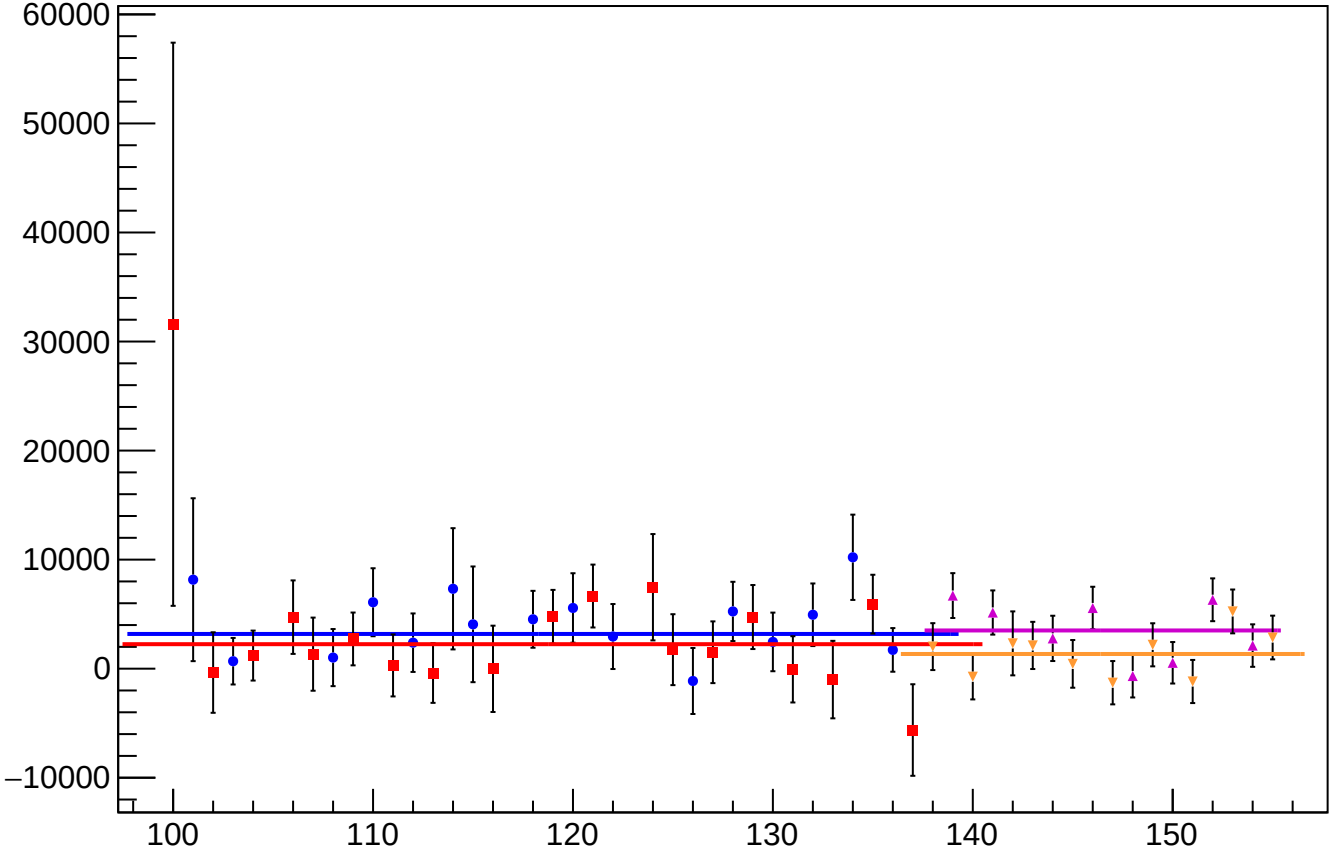
In: 0.000+/-0.000 χ^2/NDF:19.8/23

Out: -0.000+/-0.000 χ^2/NDF:25.1/28

All: -0.000+/-0.000 χ^2/NDF: 45.2/52


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:7200951.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:908210.7/7
Left: 0.000+/-0.000 χ²/NDF: 14145451.4/17
Right: 0.000+/-0.000 χ²/NDF: 3514375.8/34
In: 0.000+/-0.000 χ²/NDF:2782634.9/23
Out: 0.000+/-0.000 χ²/NDF:14017390.8/28
All: 0.000+/-0.000 χ²/NDF: 27144771.2/52

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1346.612+/-666.900 χ^2/NDF:9.4/9

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3504.193+/-701.414 χ^2/NDF:13.8/7

Left: 2371.016+/-483.311 χ^2/NDF: 28.2/17

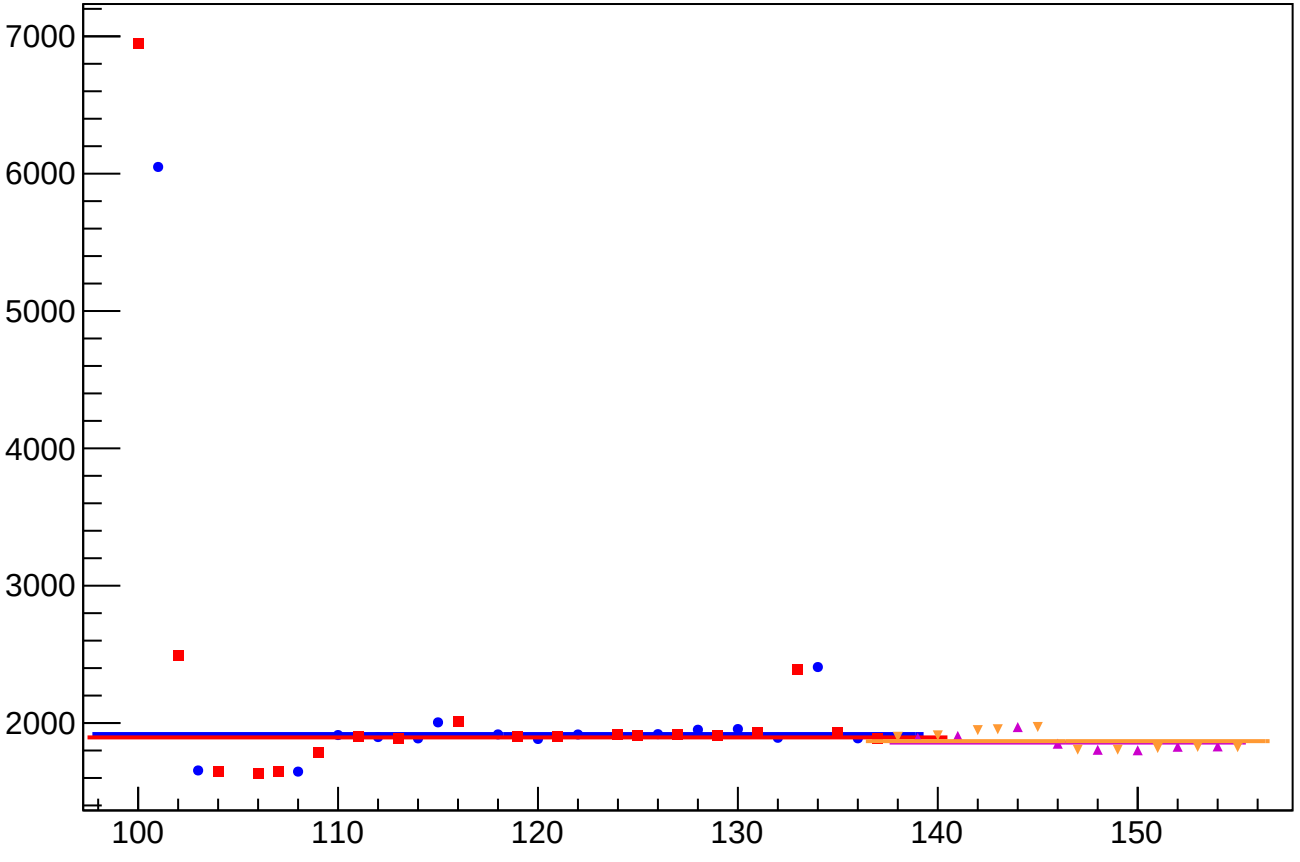
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3350.595+/-506.155 χ^2/NDF:25.6/23

Out: 1767.633+/-486.385 χ^2/NDF:26.8/28

All: 2527.596+/-350.707 χ^2/NDF: 57.5/52

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1868.133+/-0.472 χ^2/NDF:17381.5/9

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1857.782+/-0.496 χ^2/NDF:11676.1/7

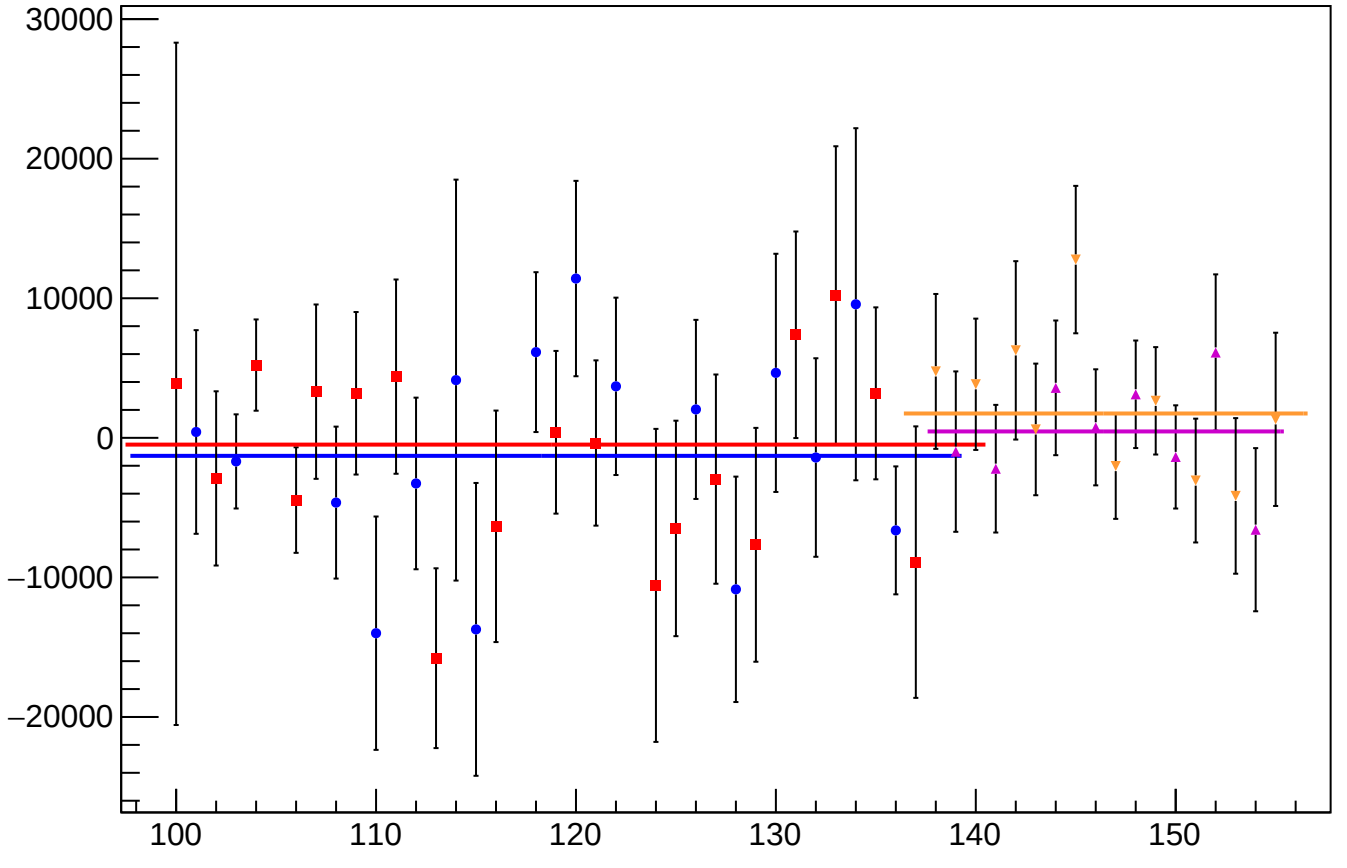
Left: 1863.219+/-0.342 χ^2/NDF: 29286.4/17

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1887.518+/-0.358 χ^2/NDF:716507.7/23

Out: 1880.925+/-0.343 χ^2/NDF:241221.7/28

All: 1884.085+/-0.248 χ^2/NDF: 957906.1/52



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 1744.183+/-1526.097 χ^2/NDF:8.8/9

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 457.946+/-1620.927 χ^2/NDF:4.0/7

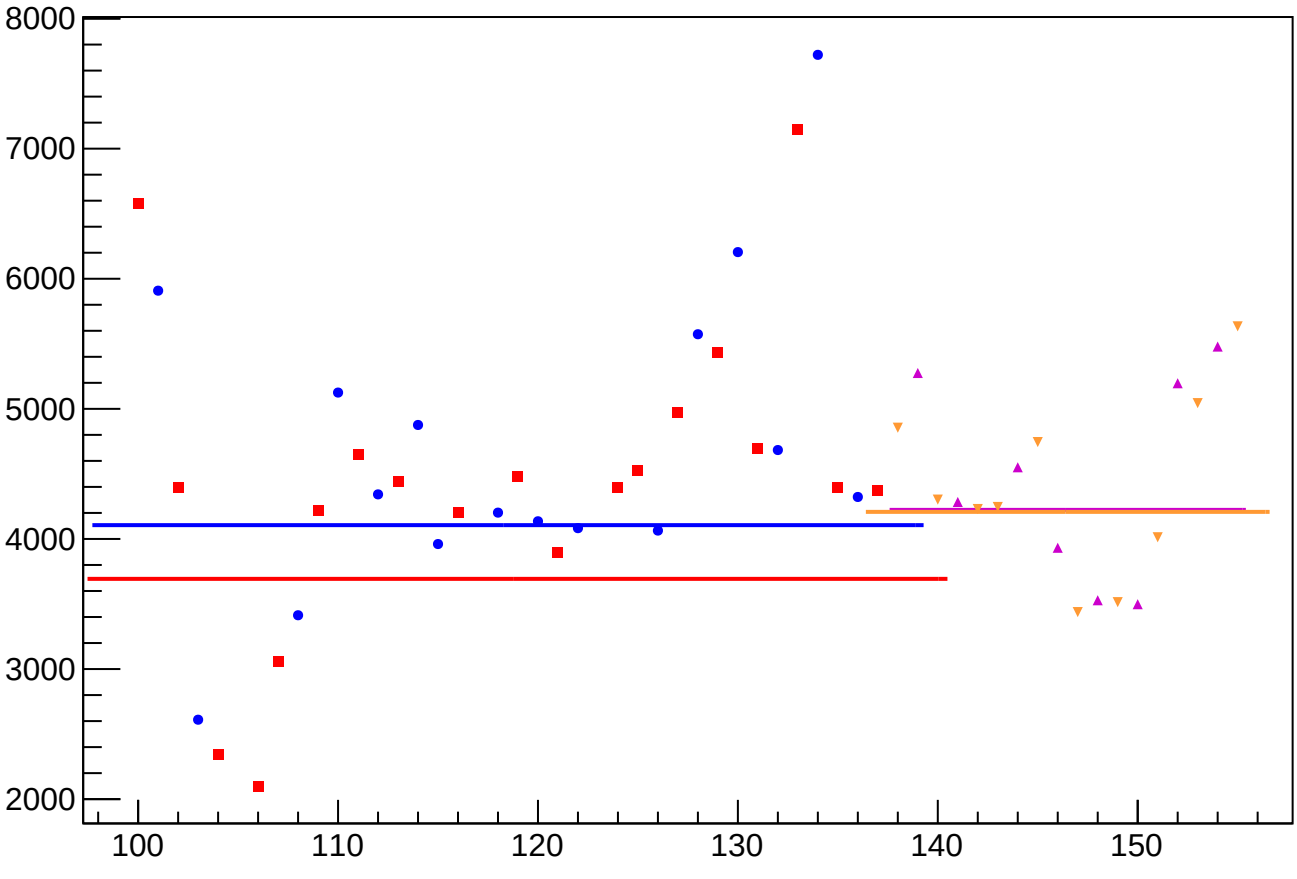
Left: 1139.788+/-1111.126 χ^2/NDF: 13.1/17

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -435.627+/-1133.411 χ^2/NDF:18.9/23

Out: 562.869+/-1046.372 χ^2/NDF:27.1/28

All: 103.427+/-768.828 χ^2/NDF: 46.4/52



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4208.207+/-1.079 χ^2/NDF:351195.5/9

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4223.458+/-1.146 χ^2/NDF:381052.3/7

Left: 4215.373+/-0.786 χ^2/NDF: 732341.6/17

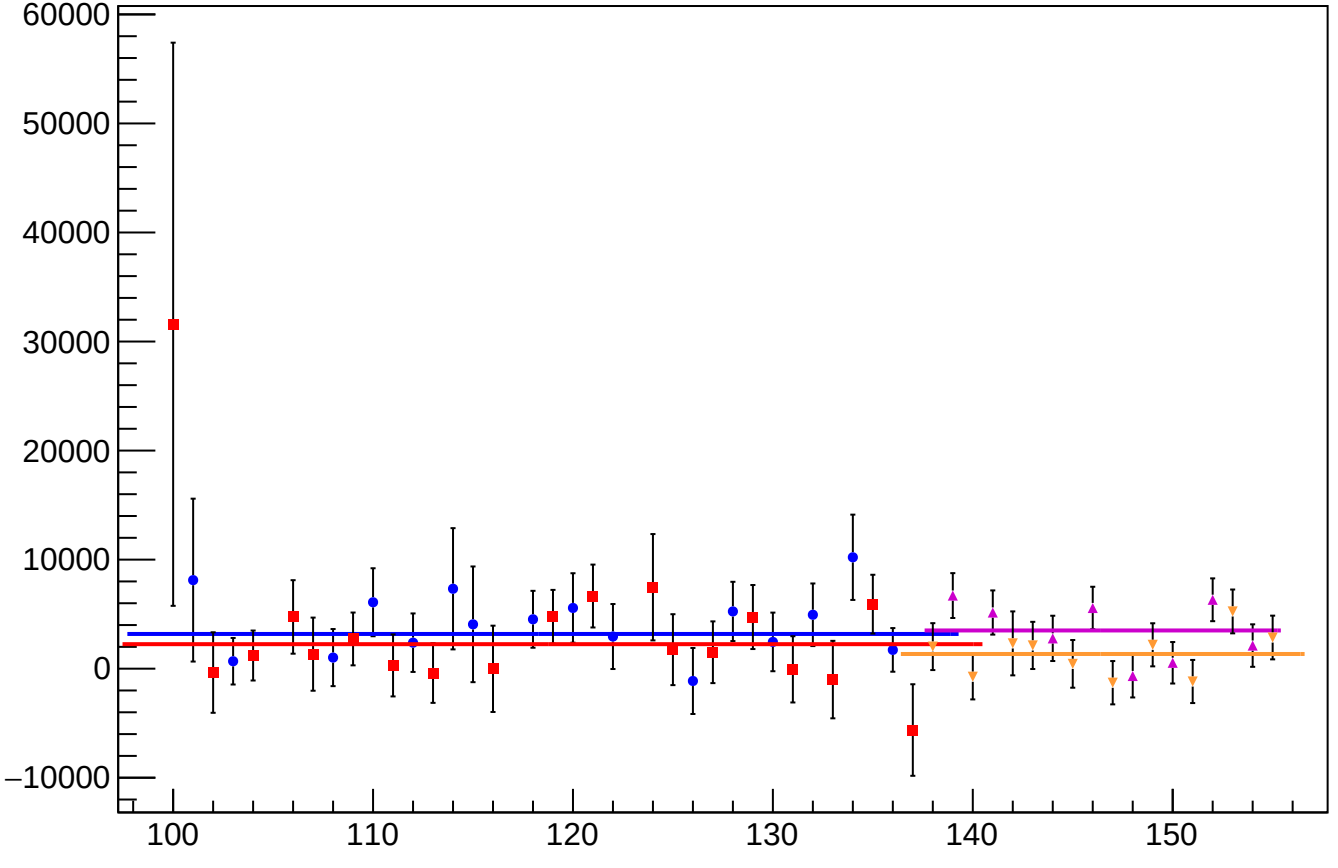
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4163.501+/-0.801 χ^2/NDF:1342537.0/23

Out: 3935.350+/-0.740 χ^2/NDF:1828497.2/28

All: 4040.330+/-0.544 χ^2/NDF: 3214785.2/52

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1346.562+/-666.900 χ^2/NDF:9.4/9

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3504.339+/-701.414 χ^2/NDF:13.8/7

Left: 2371.059+/-483.311 χ^2/NDF: 28.2/17

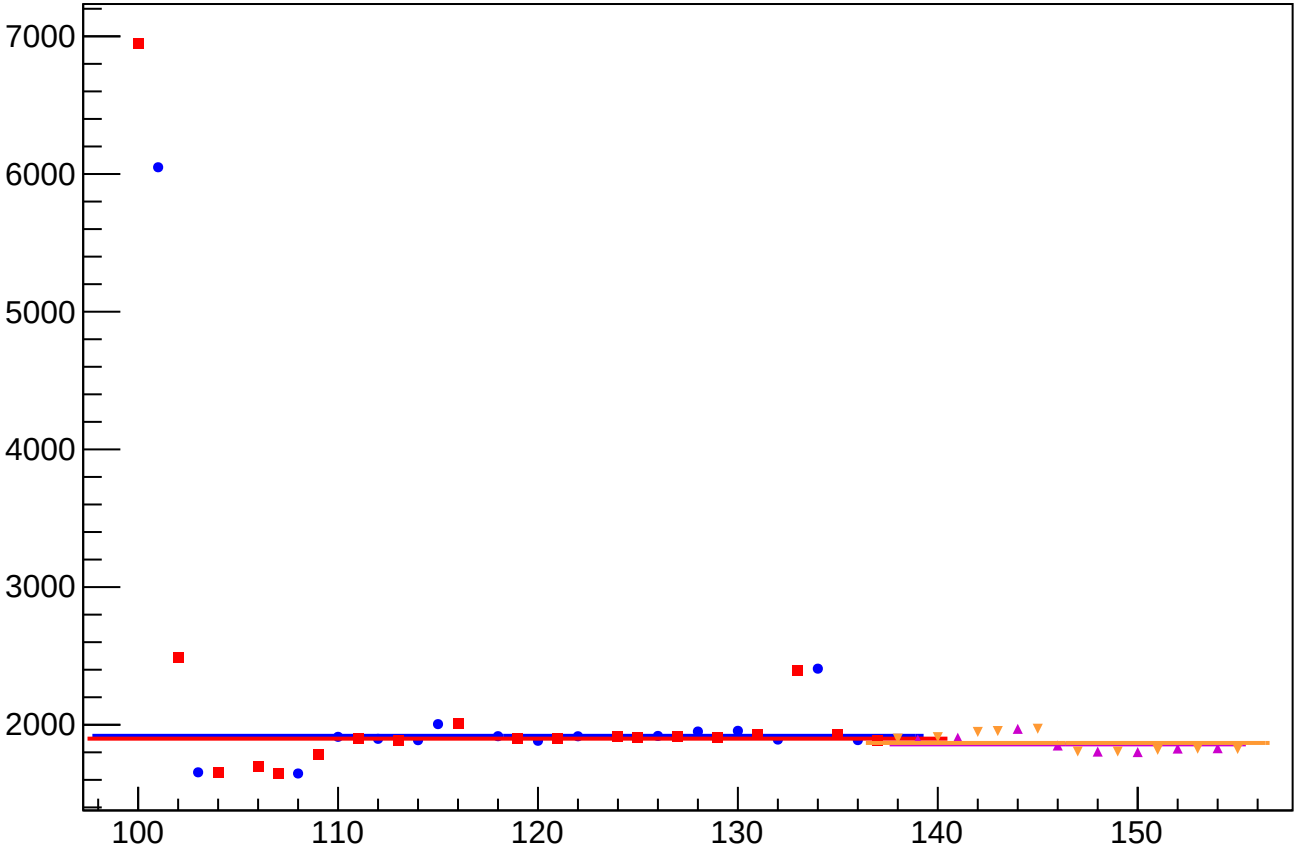
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3350.320+/-506.155 χ^2/NDF:25.6/23

Out: 1768.136+/-486.386 χ^2/NDF:26.8/28

All: 2527.728+/-350.708 χ^2/NDF: 57.5/52

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1868.133+/-0.472 χ^2/NDF:17381.5/9

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1857.782+/-0.496 χ^2/NDF:11676.1/7

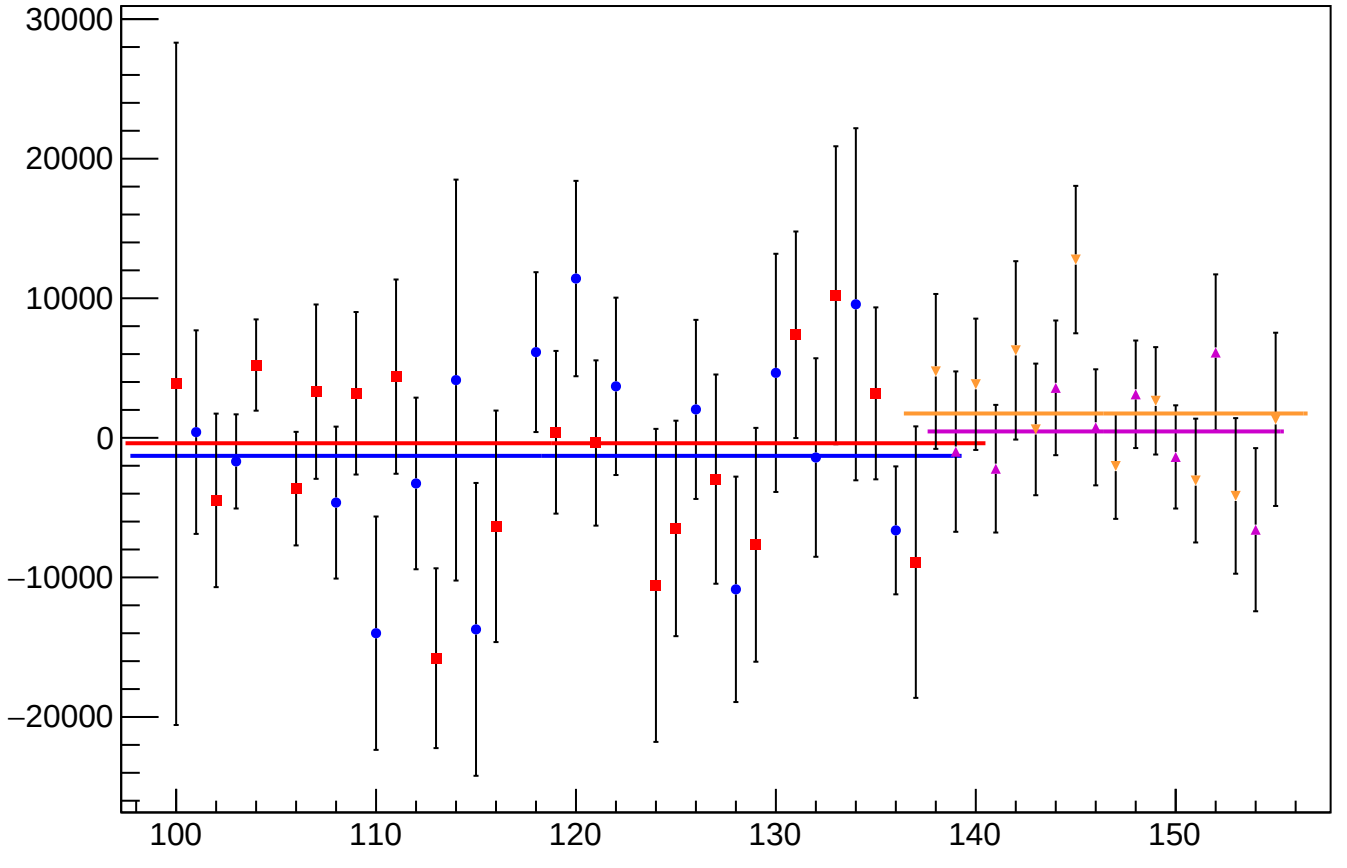
Left: 1863.219+/-0.342 χ^2/NDF: 29286.4/17

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1887.518+/-0.358 χ^2/NDF:716506.9/23

Out: 1882.776+/-0.344 χ^2/NDF:235092.1/28

All: 1885.051+/-0.248 χ^2/NDF: 951690.4/52



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 1744.132+/-1526.092 χ^2/NDF:8.8/9

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 457.988+/-1620.929 χ^2/NDF:4.0/7

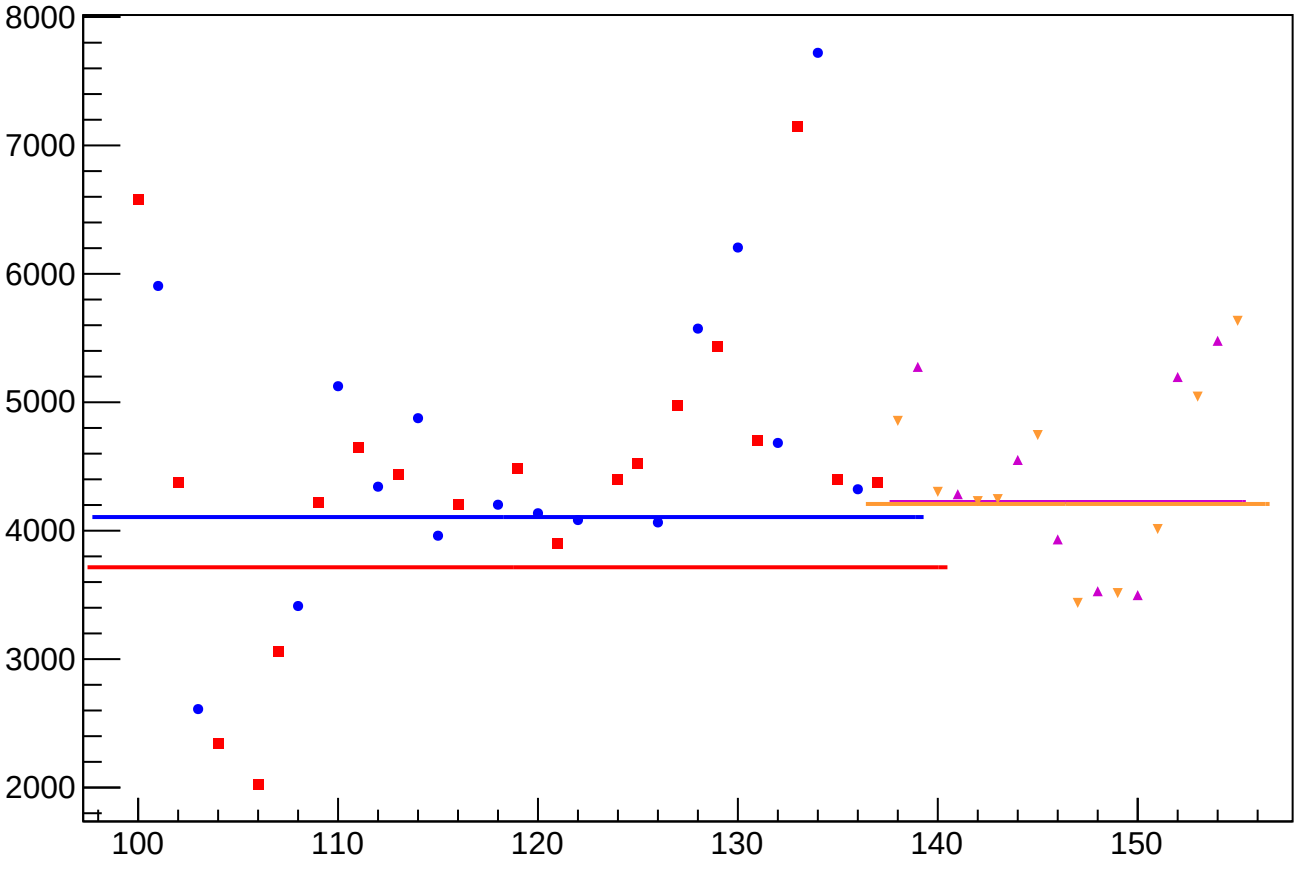
Left: 1139.783+/-1111.125 χ^2/NDF: 13.1/17

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -435.795+/-1133.413 χ^2/NDF:18.9/23

Out: 624.906+/-1051.759 χ^2/NDF:26.8/28

All: 134.136+/-770.958 χ^2/NDF: 46.1/52



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4208.191+/-1.079 χ^2/NDF:351203.5/9

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4223.465+/-1.146 χ^2/NDF:381048.6/7

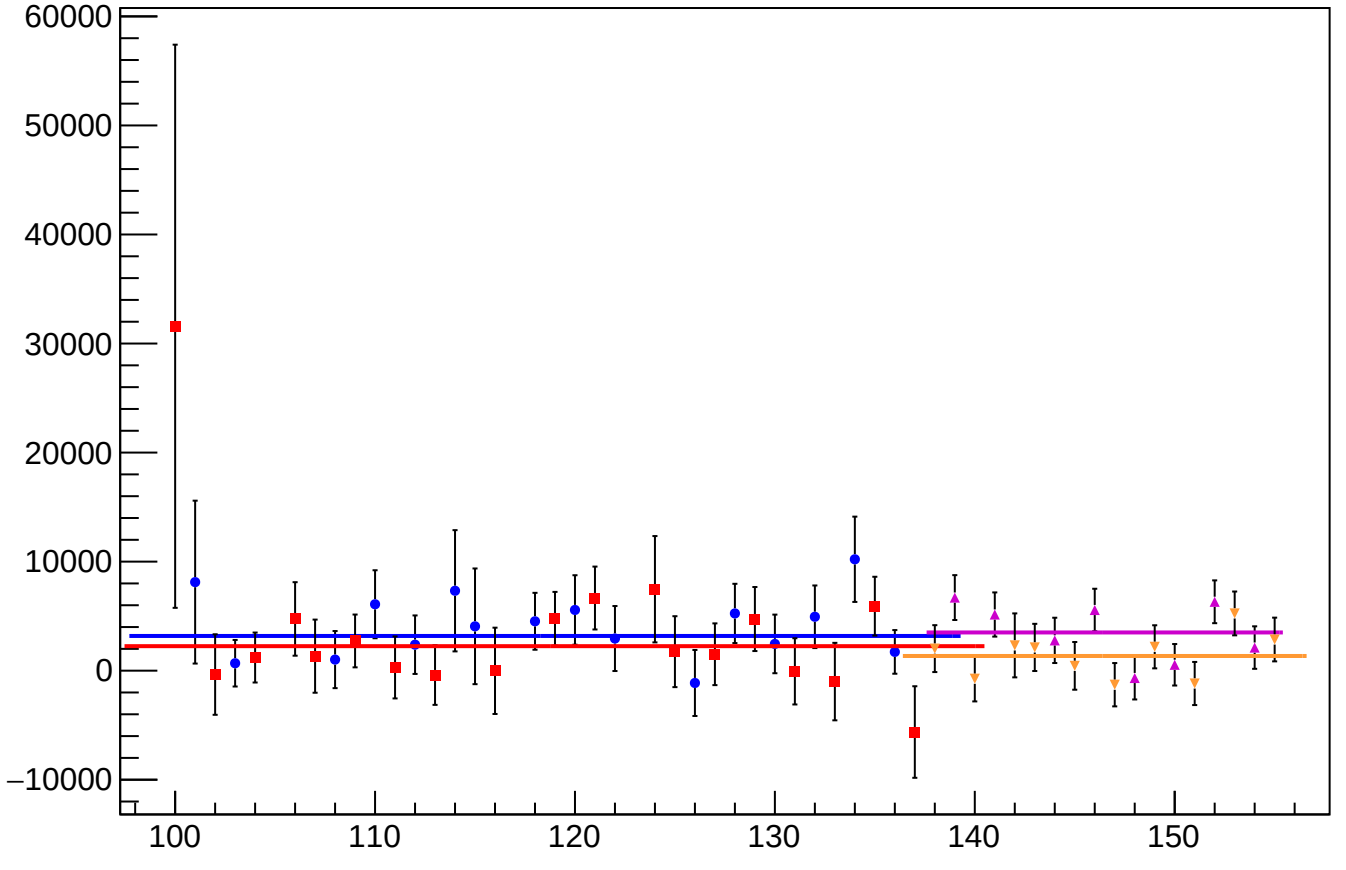
Left: 4215.368+/-0.786 χ^2/NDF: 732346.2/17

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4163.552+/-0.801 χ^2/NDF:1342026.2/23

Out: 3949.360+/-0.744 χ^2/NDF:1795881.9/28

All: 4048.463+/-0.545 χ^2/NDF: 3176286.8/52



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1346.562+/-666.900 χ^2/NDF:9.4/9

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3504.339+/-701.414 χ^2/NDF:13.8/7

Left: 2371.059+/-483.311 χ^2/NDF: 28.2/17

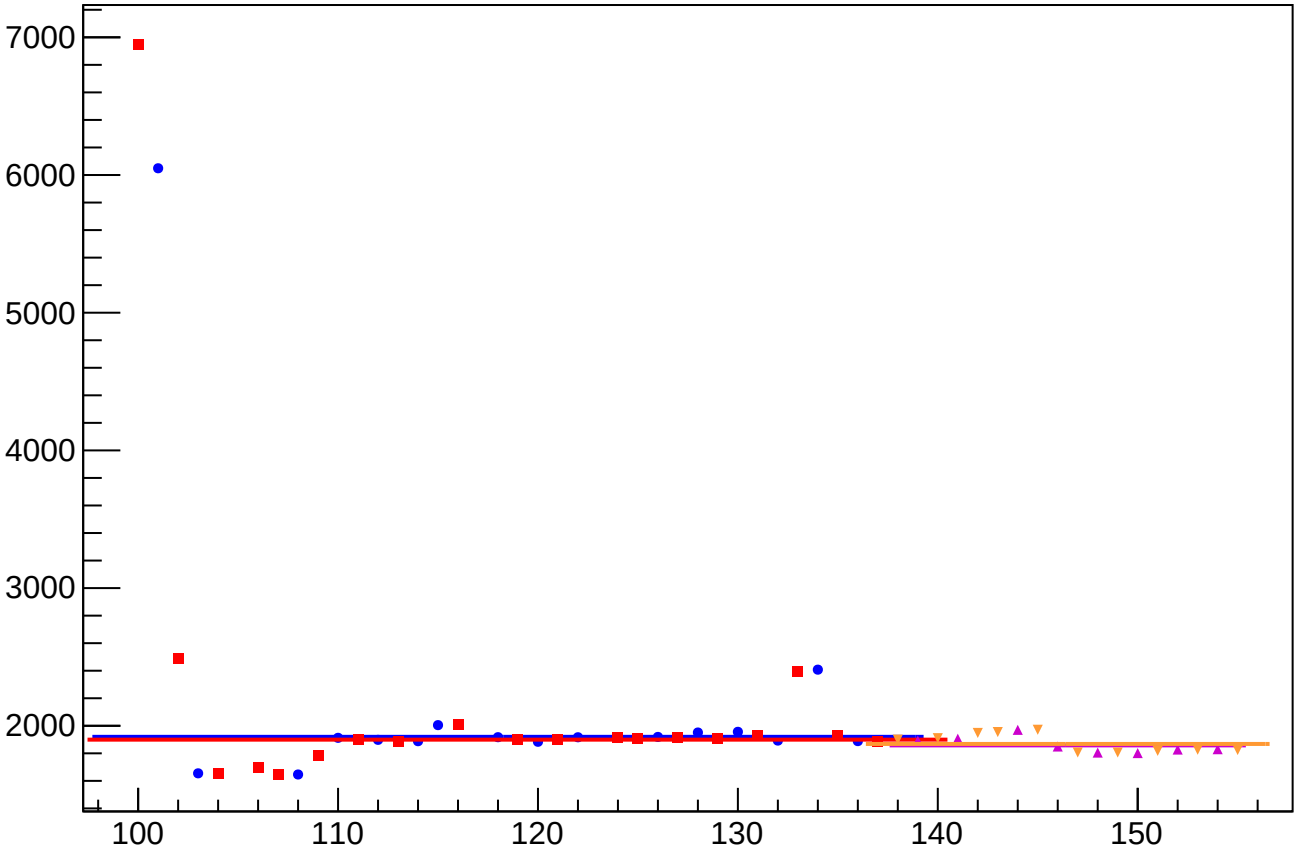
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3350.320+/-506.155 χ^2/NDF:25.6/23

Out: 1768.136+/-486.386 χ^2/NDF:26.8/28

All: 2527.728+/-350.708 χ^2/NDF: 57.5/52

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1868.133+/-0.472 χ^2/NDF:17381.5/9

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1857.782+/-0.496 χ^2/NDF:11676.1/7

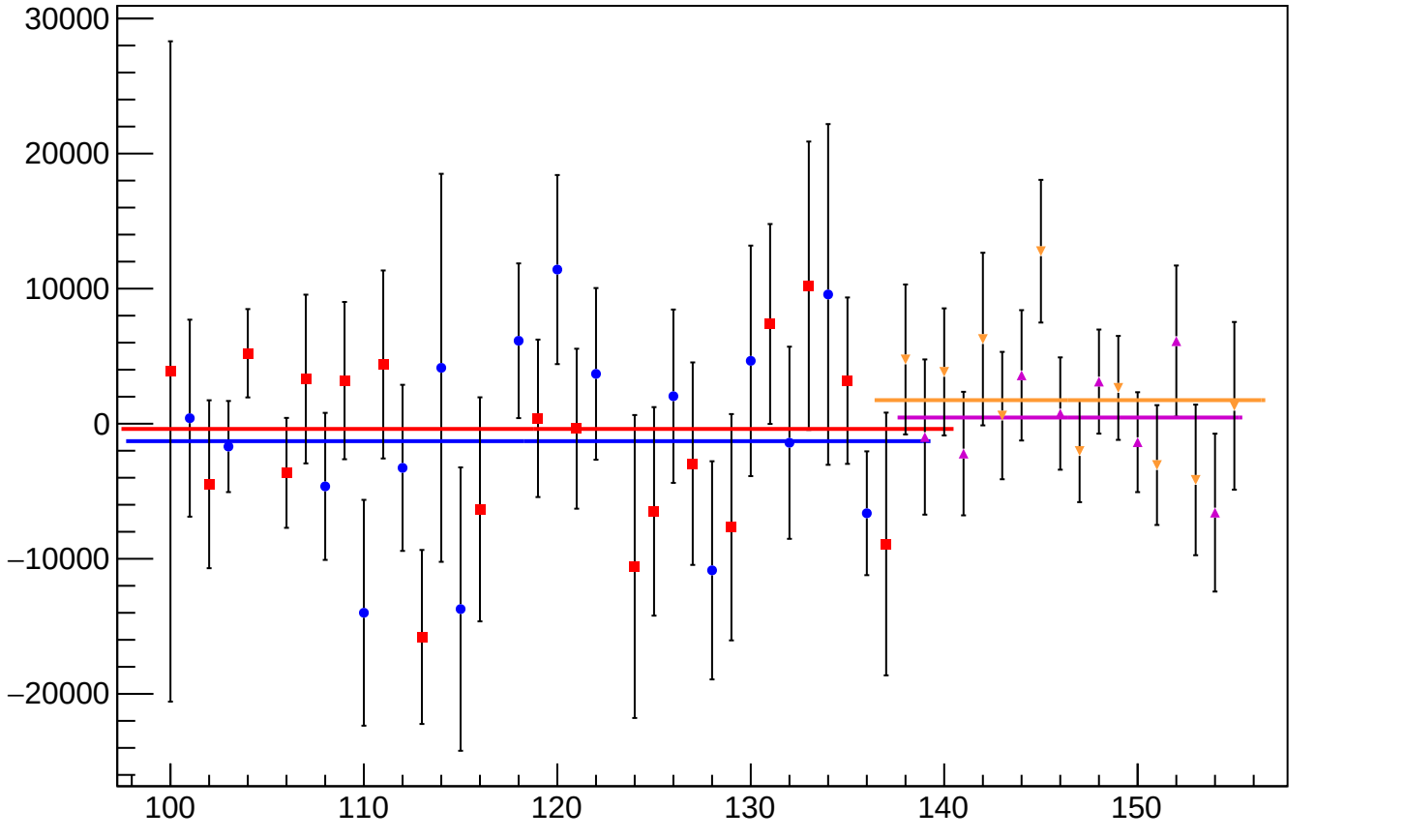
Left: 1863.219+/-0.342 χ^2/NDF: 29286.4/17

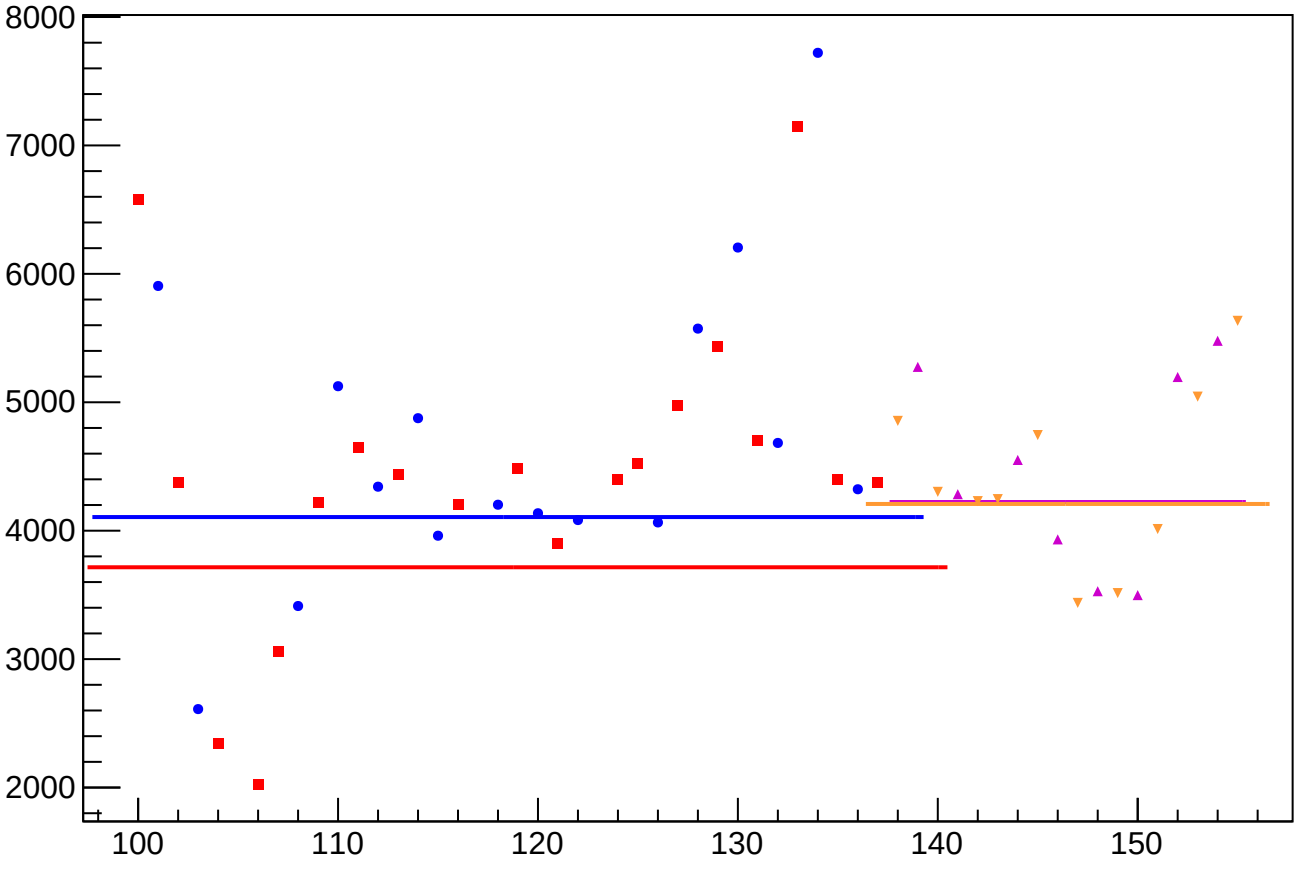
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1887.518+/-0.358 χ^2/NDF:716506.9/23

Out: 1882.776+/-0.344 χ^2/NDF:235092.1/28

All: 1885.051+/-0.248 χ^2/NDF: 951690.4/52


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: 1744.132+/-1526.092 χ²/NDF:8.8/9
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 457.988+/-1620.929 χ²/NDF:4.0/7
Left: 1139.783+/-1111.125 χ²/NDF: 13.1/17
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -435.795+/-1133.413 χ²/NDF:18.9/23
Out: 624.906+/-1051.759 χ²/NDF:26.8/28
All: 134.136+/-770.958 χ²/NDF: 46.1/52



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4208.191+/-1.079 χ^2/NDF:351203.5/9

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4223.465+/-1.146 χ^2/NDF:381048.6/7

Left: 4215.368+/-0.786 χ^2/NDF: 732346.2/17

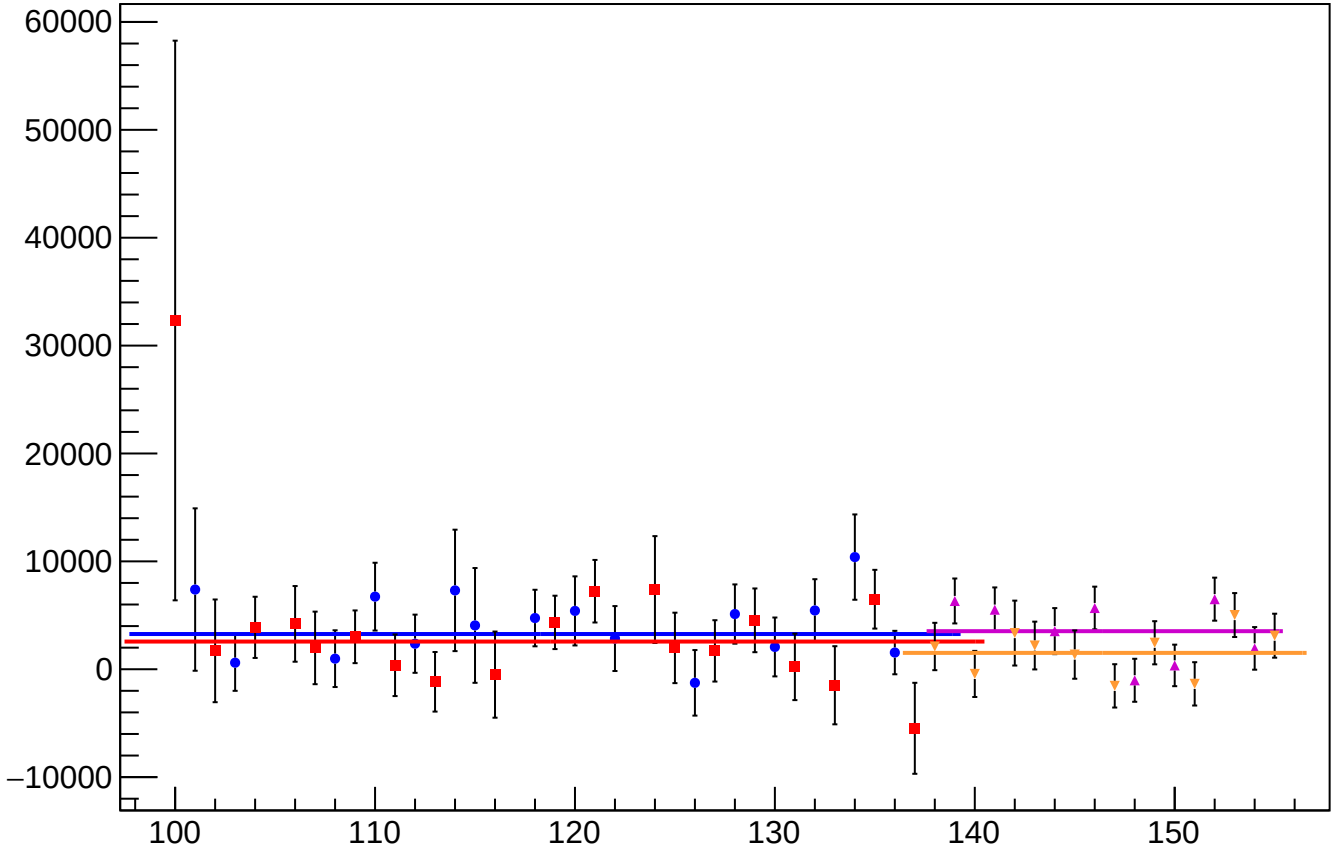
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4163.552+/-0.801 χ^2/NDF:1342026.2/23

Out: 3949.360+/-0.744 χ^2/NDF:1795881.9/28

All: 4048.463+/-0.545 χ^2/NDF: 3176286.8/52

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1516.292+/-679.084 χ^2/NDF:9.5/9

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3528.631+/-712.424 χ^2/NDF:14.7/7

Left: 2474.274+/-491.549 χ^2/NDF: 28.4/17

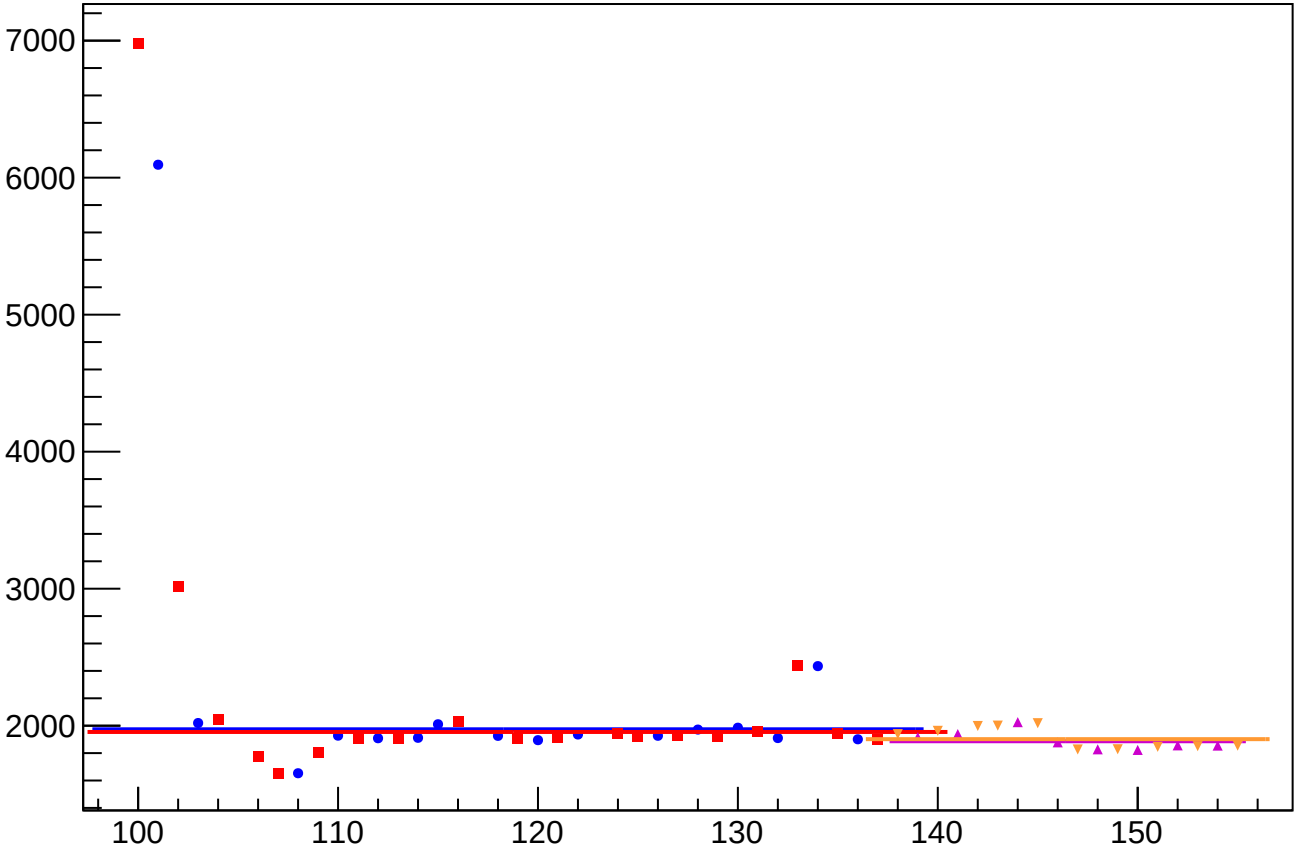
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3403.565+/-516.815 χ^2/NDF:27.0/23

Out: 2000.106+/-498.744 χ^2/NDF:27.7/28

All: 2676.869+/-358.884 χ^2/NDF: 58.4/52

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1901.866+/-0.480 χ^2/NDF:23003.1/9

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1886.666+/-0.504 χ^2/NDF:15110.1/7

Left: 1894.630+/-0.348 χ^2/NDF: 38590.2/17

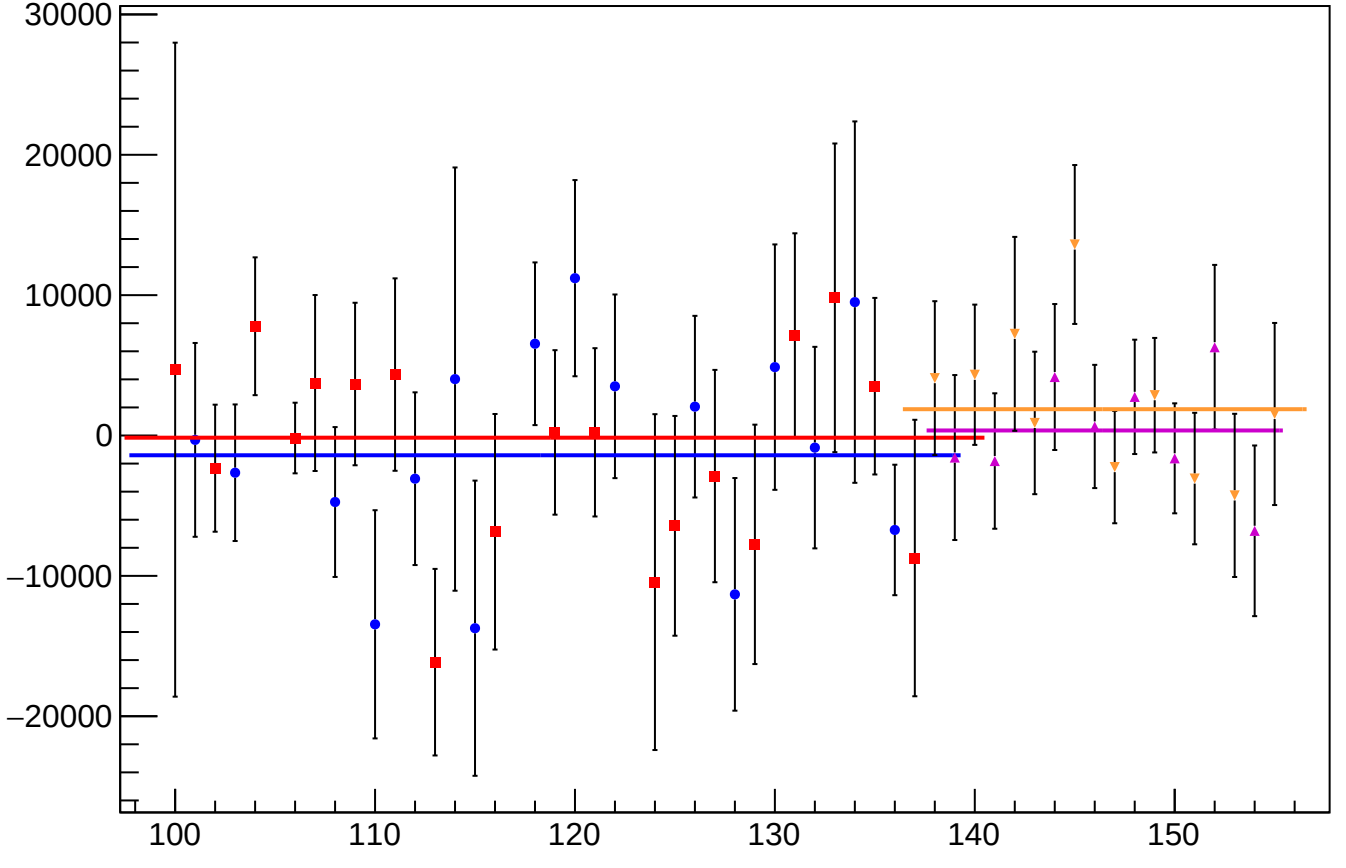
Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1927.921+/-0.365 χ^2/NDF:694391.0/23

Out: 1926.058+/-0.353 χ^2/NDF:274719.9/28

All: 1926.956+/-0.254 χ^2/NDF: 969124.3/52

asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 1874.541+/-1610.127 χ^2/NDF:8.7/9

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 359.457+/-1709.250 χ^2/NDF:3.9/7

Left: 1162.202+/-1172.008 χ^2/NDF: 13.0/17

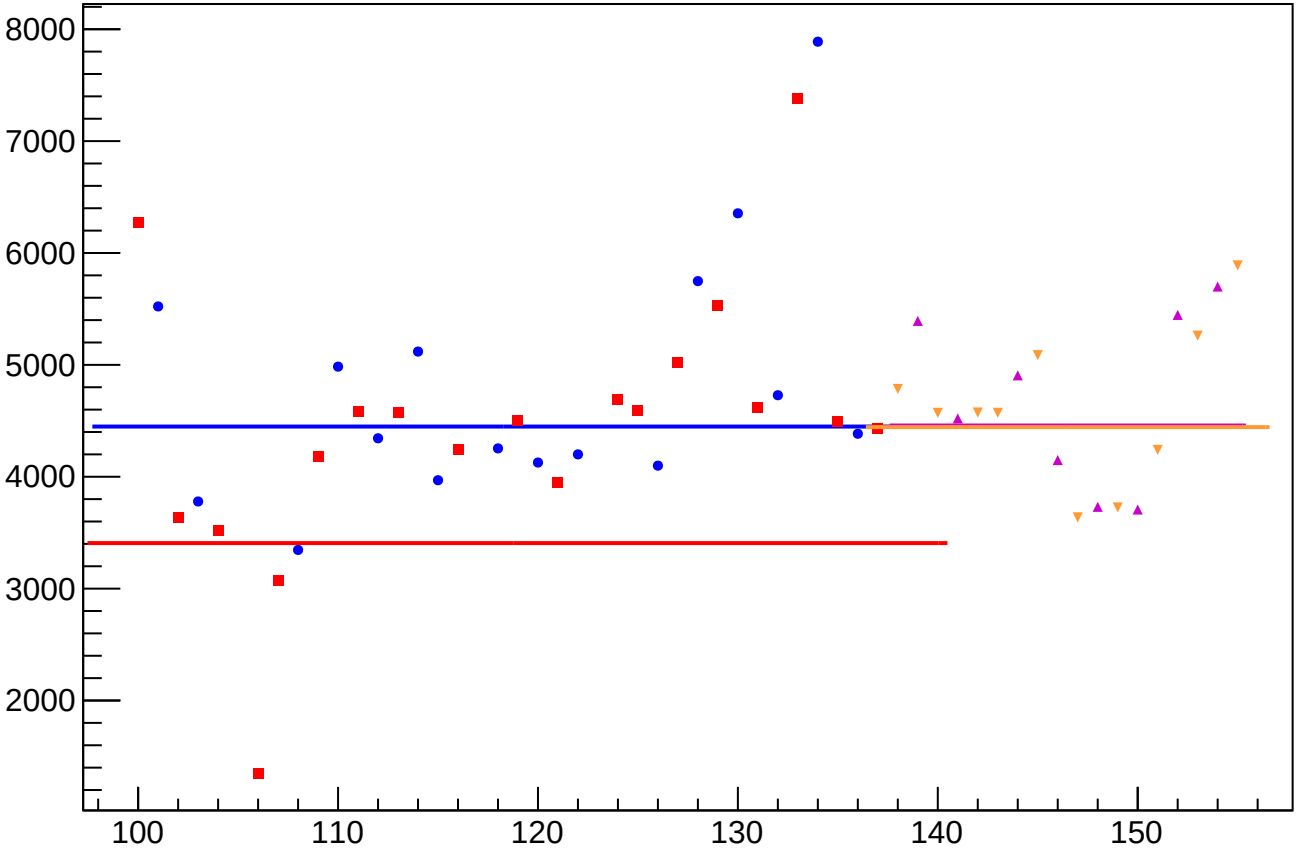
Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -533.974+/-1201.754 χ^2/NDF:18.6/23

Out: 692.539+/-1040.595 χ^2/NDF:25.4/28

All: 166.980+/-786.666 χ^2/NDF: 44.6/52

asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4443.647+/-1.139 χ^2/NDF:322666.8/9

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4458.001+/-1.209 χ^2/NDF:353090.5/7

Left: 4450.396+/-0.829 χ^2/NDF: 675832.0/17

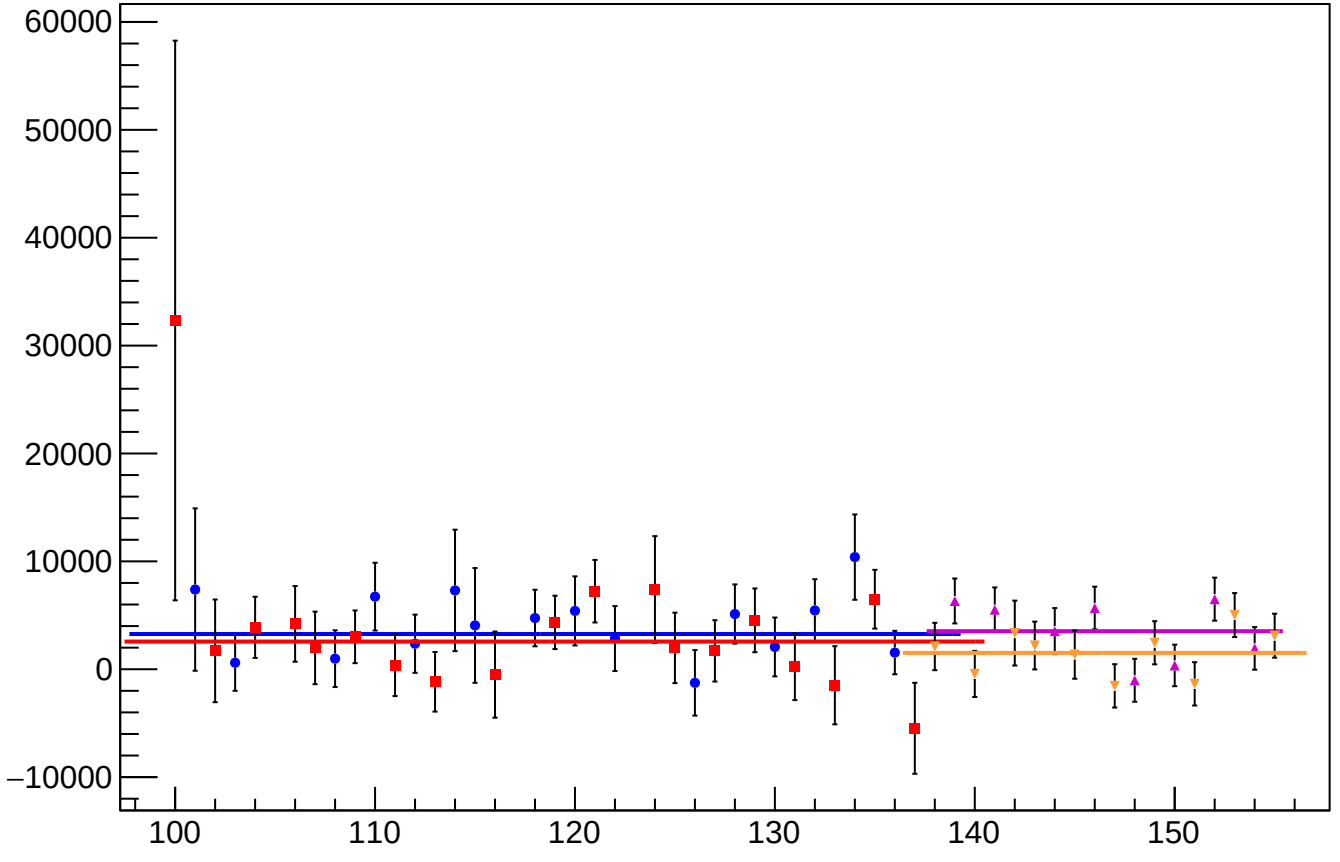
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4453.303+/-0.850 χ^2/NDF:847733.8/23

Out: 3840.060+/-0.736 χ^2/NDF:3131371.1/28

All: 4102.834+/-0.556 χ^2/NDF: 4276738.0/52

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1516.288+/-679.084 χ^2/NDF:9.5/9

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3528.627+/-712.424 χ^2/NDF:14.7/7

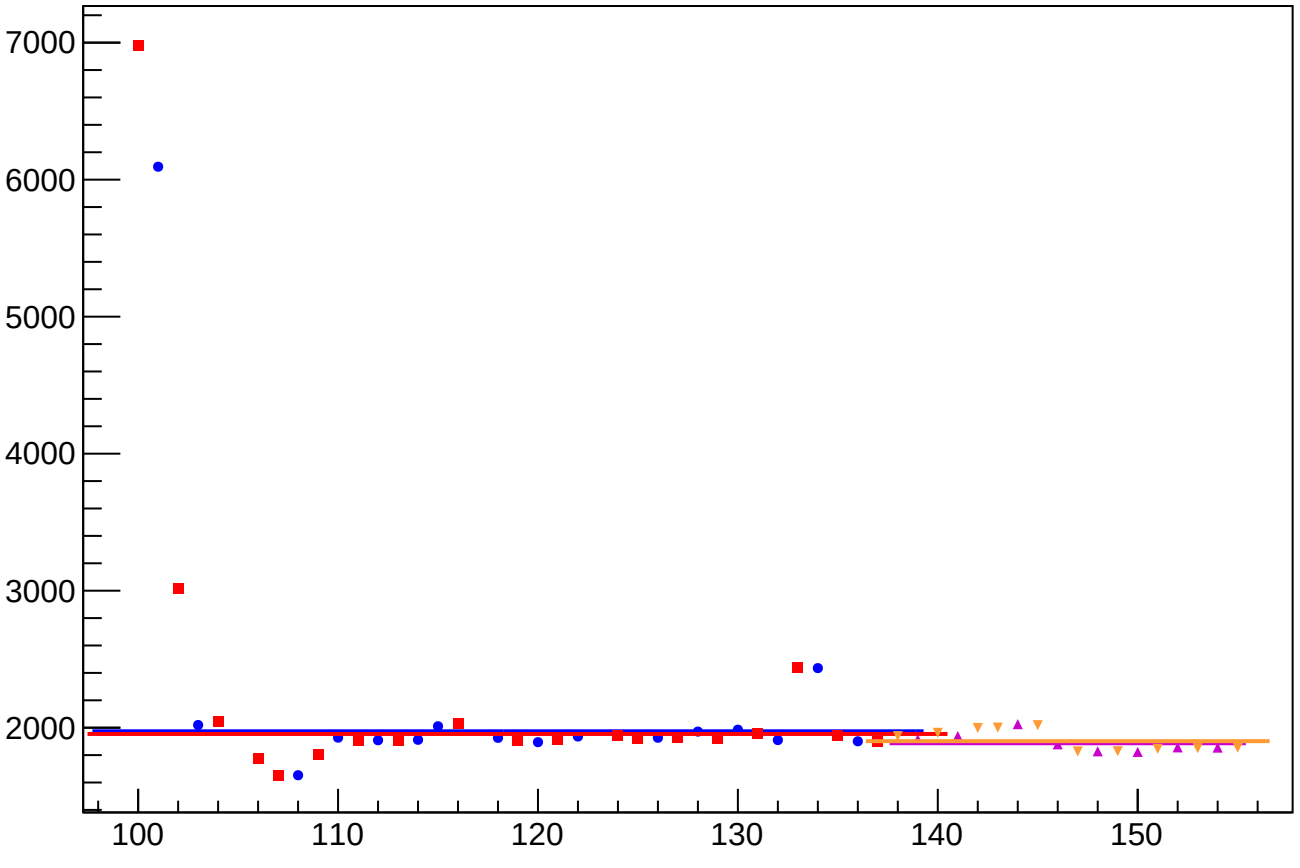
Left: 2474.271+/-491.549 χ^2/NDF: 28.4/17

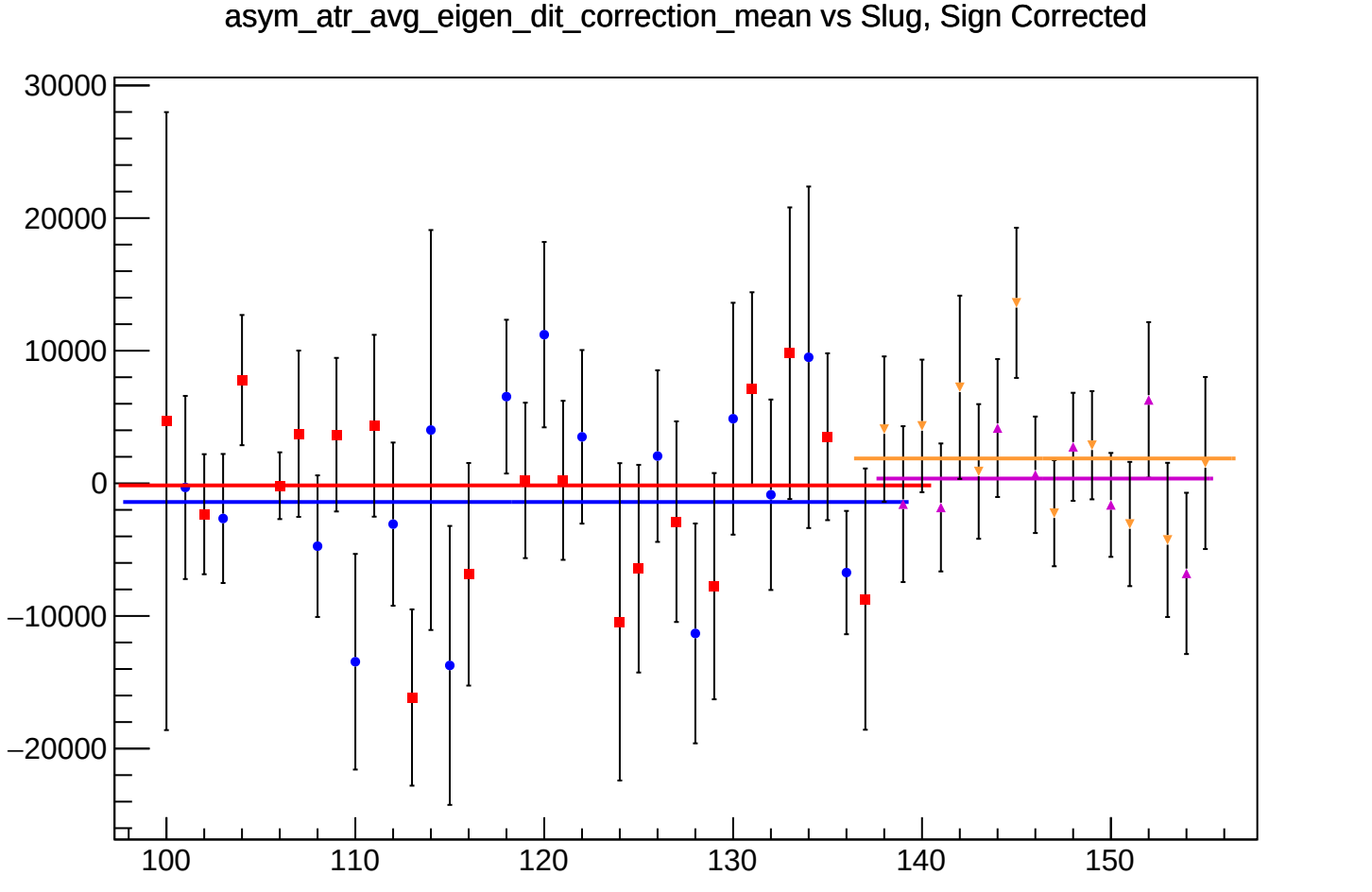
Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

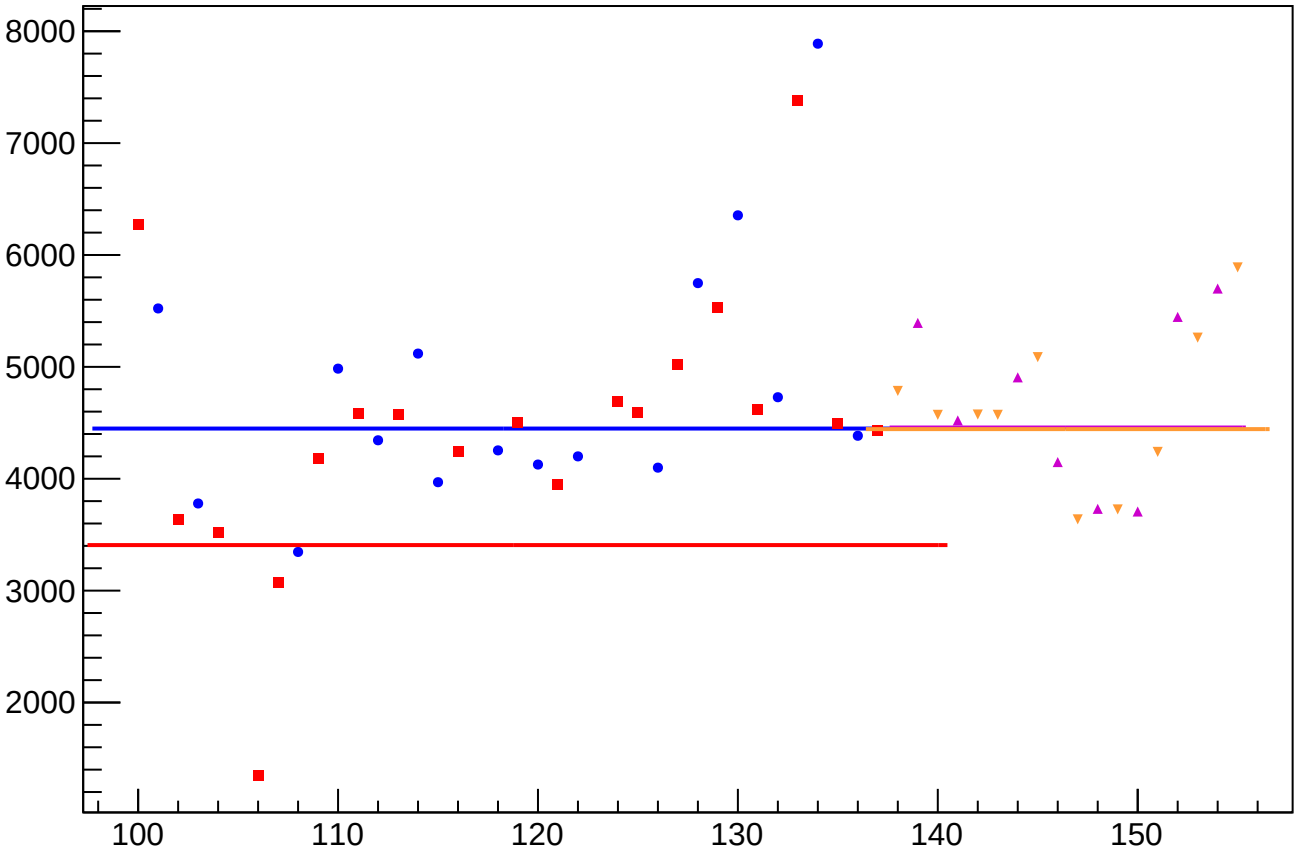
In: 3403.566+/-516.815 χ^2/NDF:27.0/23

Out: 2000.107+/-498.744 χ^2/NDF:27.7/28

All: 2676.870+/-358.884 χ^2/NDF: 58.4/52


eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 1973.748+/-0.531 χ²/NDF: 665124.2/15
Left Out: 1901.866+/-0.480 χ²/NDF:23003.2/9
Right Out: 1954.339+/-0.519 χ²/NDF: 246210.8/18
Left In: 1886.666+/-0.504 χ²/NDF:15110.1/7
Left: 1894.630+/-0.348 χ²/NDF: 38590.3/17
Right: 1963.826+/-0.371 χ²/NDF: 912018.2/34
In: 1927.921+/-0.365 χ²/NDF:694390.6/23
Out: 1926.058+/-0.353 χ²/NDF:274719.3/28
All: 1926.956+/-0.254 χ²/NDF: 969123.5/52


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -1407.363+/-1689.986 χ²/NDF: 14.2/15
Left Out: 1874.537+/-1610.130 χ²/NDF:8.7/9
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: 359.453+/-1709.252 χ²/NDF:3.9/7
Left: 1162.198+/-1172.010 χ²/NDF: 13.0/17
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: -533.969+/-1201.754 χ²/NDF:18.6/23
Out: 692.533+/-1040.594 χ²/NDF:25.4/28
All: 166.979+/-786.666 χ²/NDF: 44.6/52



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4443.653+/-1.139 χ^2/NDF:322665.8/9

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4458.007+/-1.209 χ^2/NDF:353088.3/7

Left: 4450.402+/-0.829 χ^2/NDF: 675828.8/17

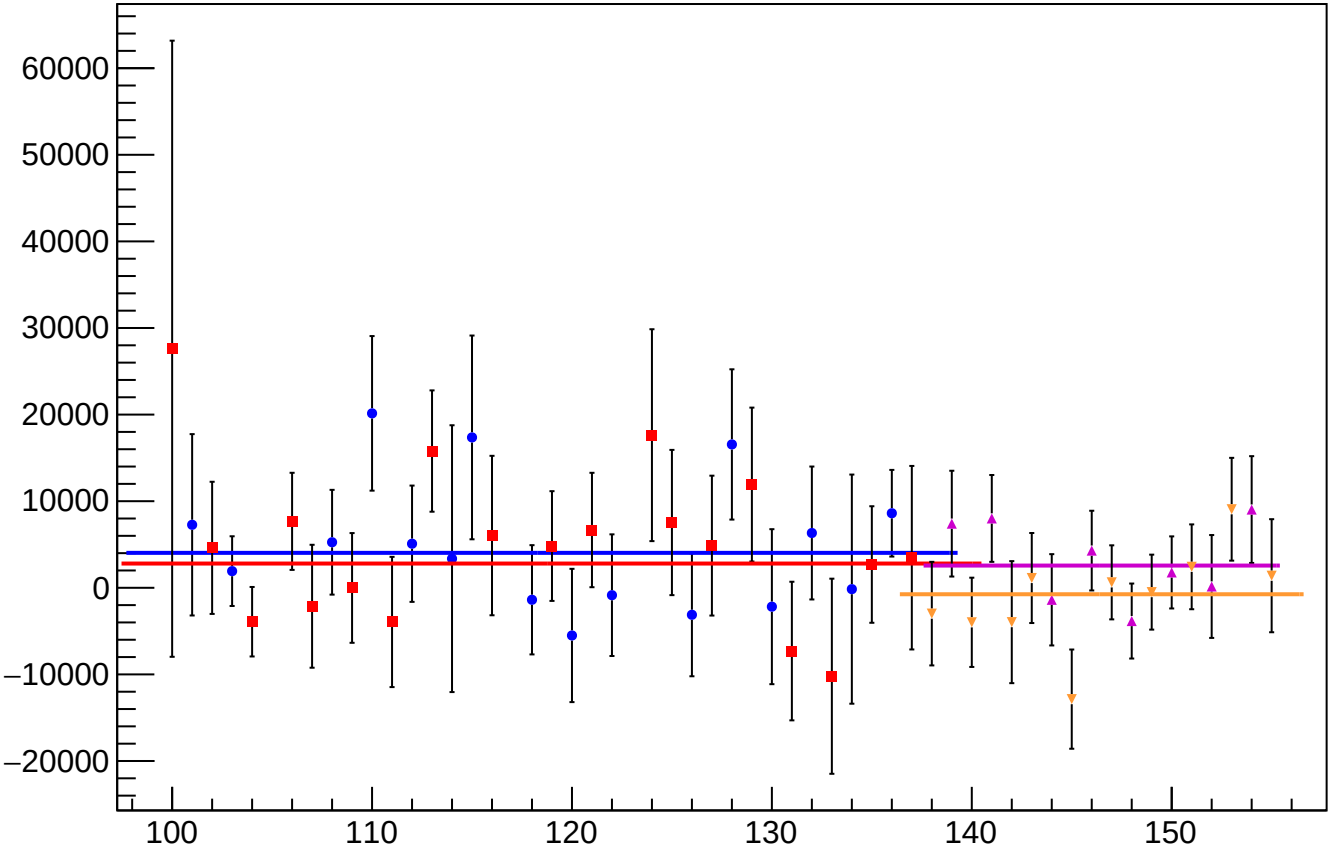
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4453.303+/-0.850 χ^2/NDF:847728.9/23

Out: 3840.056+/-0.736 χ^2/NDF:3131387.3/28

All: 4102.831+/-0.556 χ^2/NDF: 4276752.7/52

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -745.314+/-1678.648 χ^2/NDF:8.7/9

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 2567.057+/-1780.131 χ^2/NDF:6.0/7

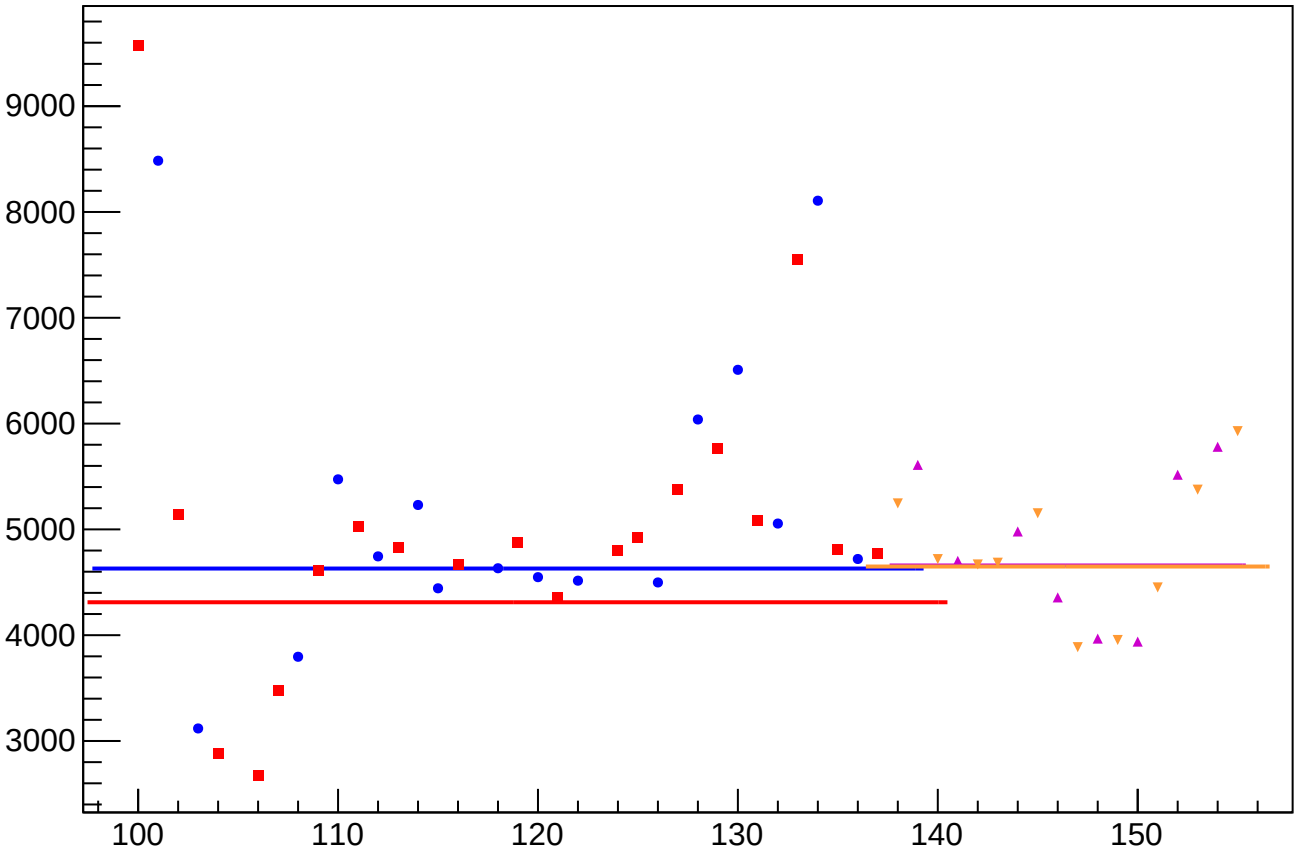
Left: 813.768+/-1221.285 χ^2/NDF: 16.5/17

Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 3300.032+/-1259.414 χ^2/NDF:18.7/23

Out: 1034.782+/-1184.582 χ^2/NDF:26.4/28

All: 2098.114+/-862.869 χ^2/NDF: 46.8/52



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4648.932+/-1.187 χ^2/NDF:260909.1/9

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4658.904+/-1.259 χ^2/NDF:283350.8/7

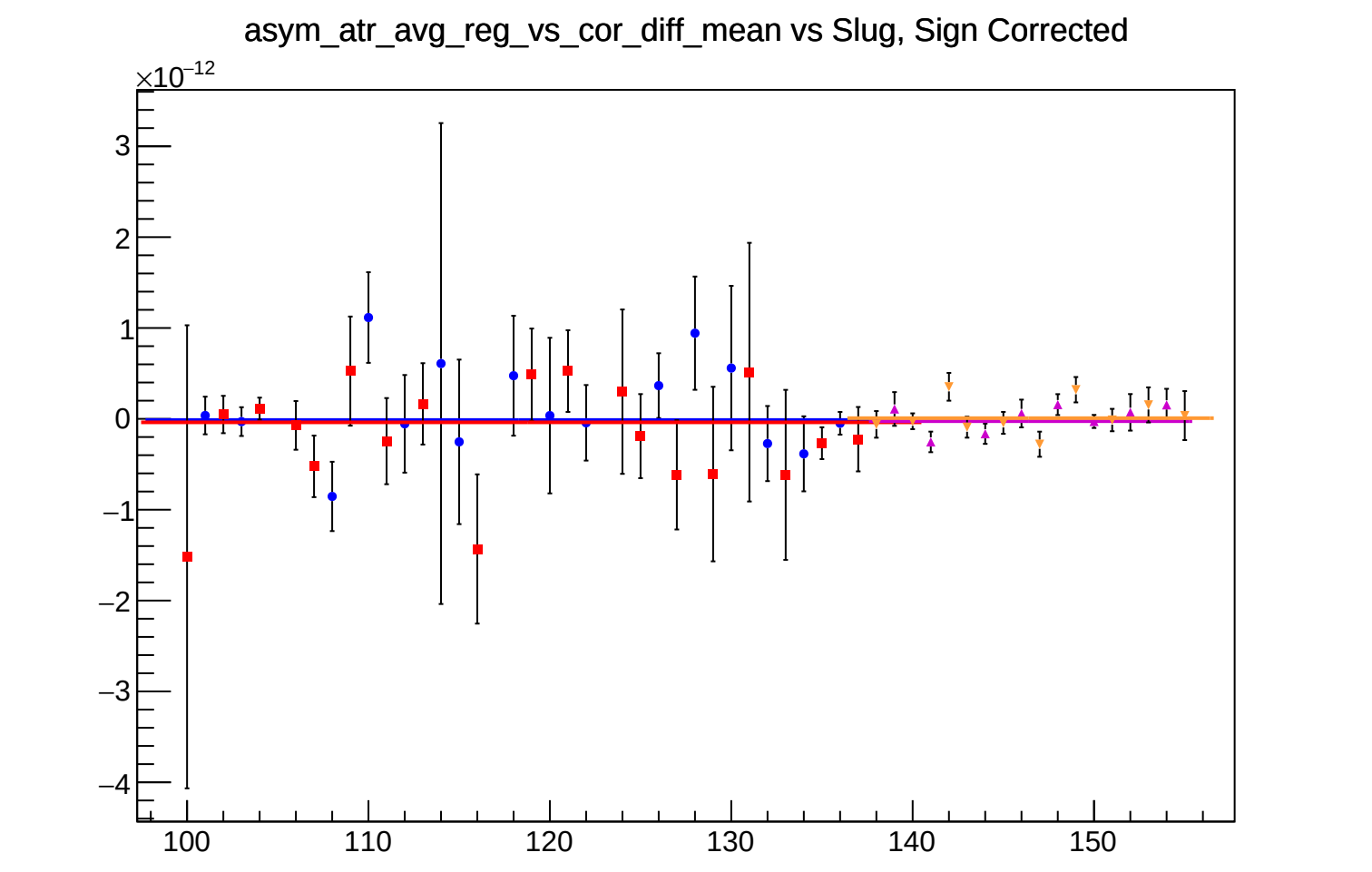
Left: 4653.626+/-0.864 χ^2/NDF: 544293.1/17

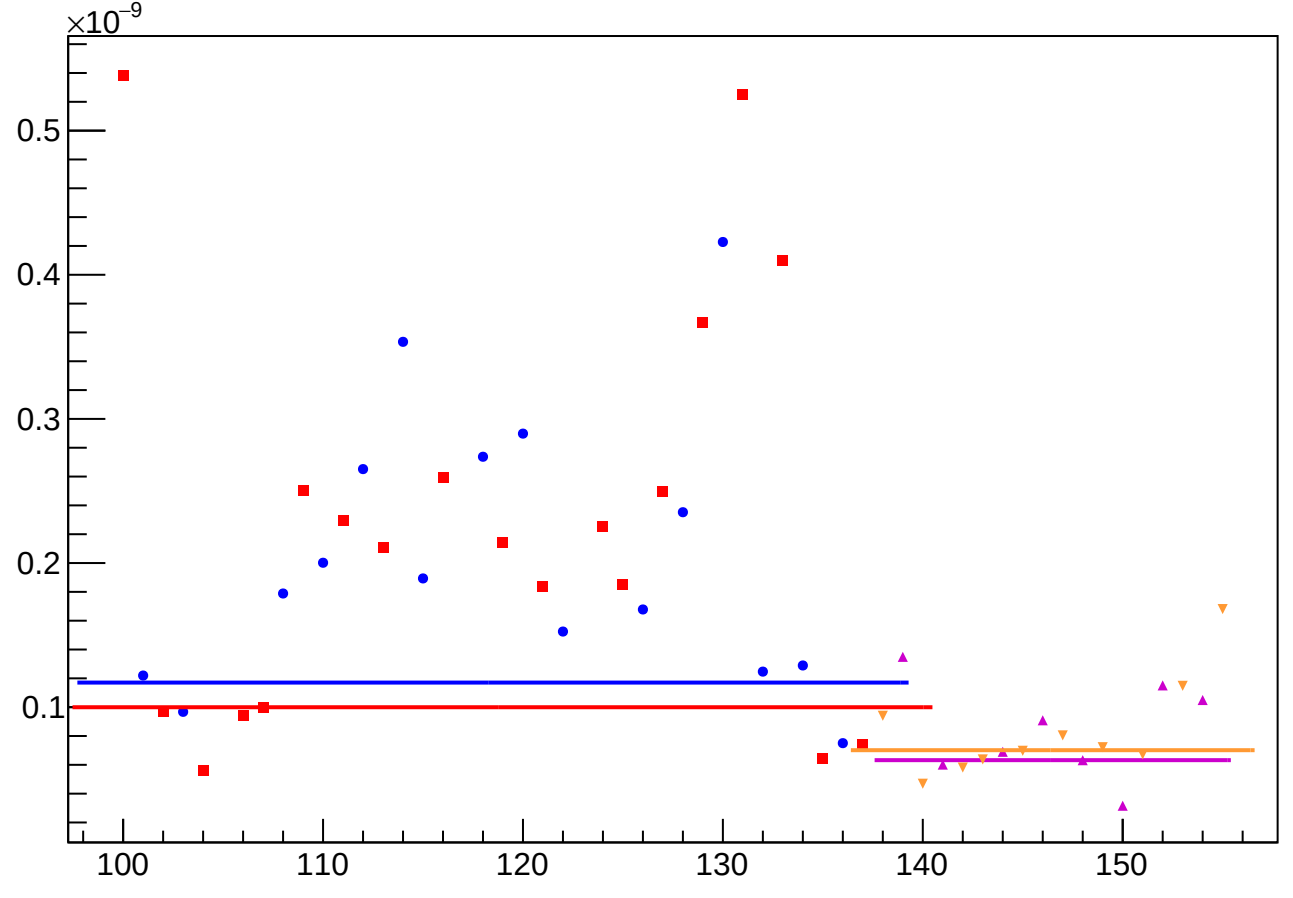
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4644.451+/-0.891 χ^2/NDF:1183861.1/23

Out: 4477.926+/-0.834 χ^2/NDF:1206635.8/28

All: 4555.731+/-0.609 χ^2/NDF: 2409126.1/52


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: 0.000+/-0.000 χ²/NDF:16.3/9
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:10.2/7
Left: -0.000+/-0.000 χ²/NDF: 26.9/17
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:26.1/23
Out: -0.000+/-0.000 χ²/NDF:31.6/28
All: -0.000+/-0.000 χ²/NDF: 57.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:599511.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1002837.5/7

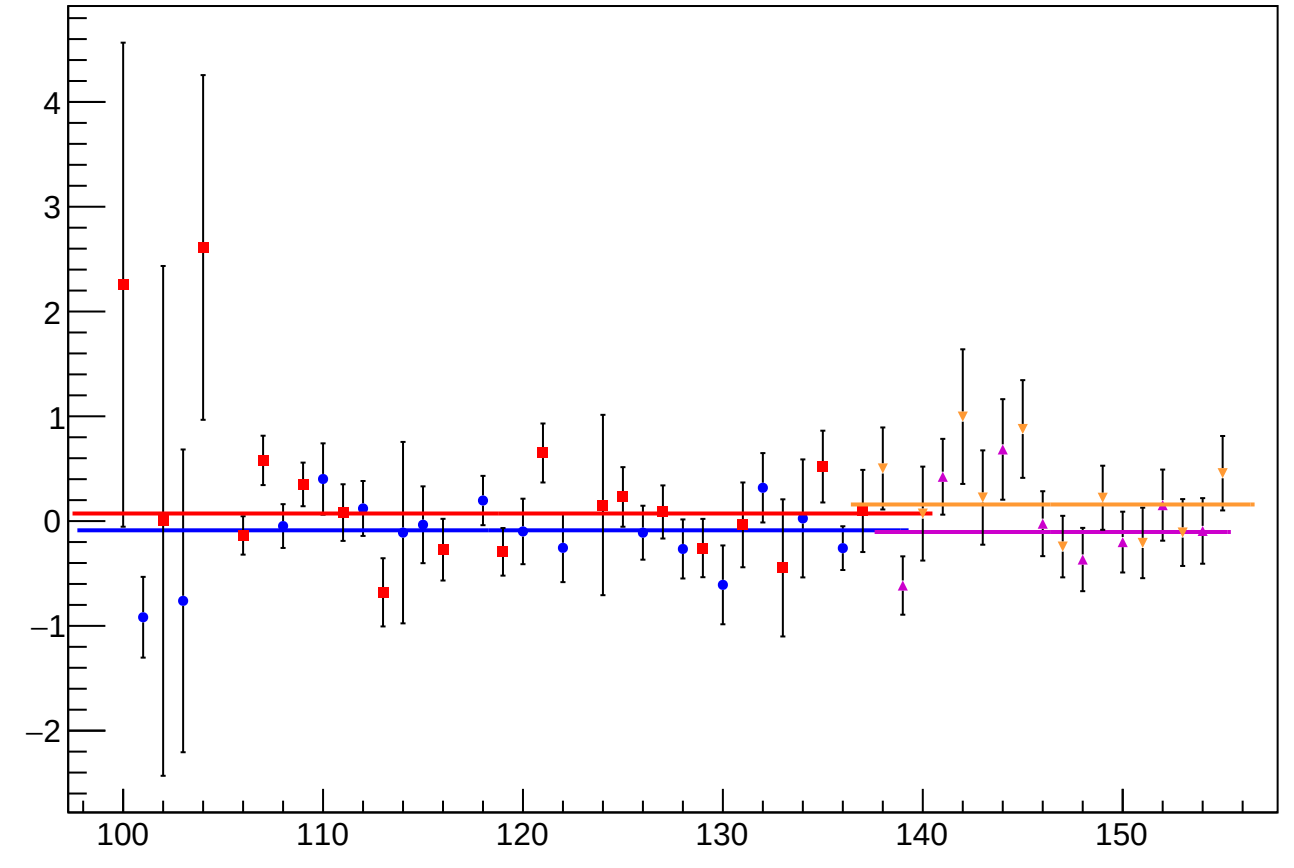
Left: 0.000+/-0.000 χ^2/NDF: 1629427.0/17

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:2877313.4/23

Out: 0.000+/-0.000 χ^2/NDF:2696779.7/28

All: 0.000+/-0.000 χ^2/NDF: 5575484.0/52



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.159+/-0.118 χ^2/NDF:9.4/9

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.104+/-0.114 χ^2/NDF:9.7/7

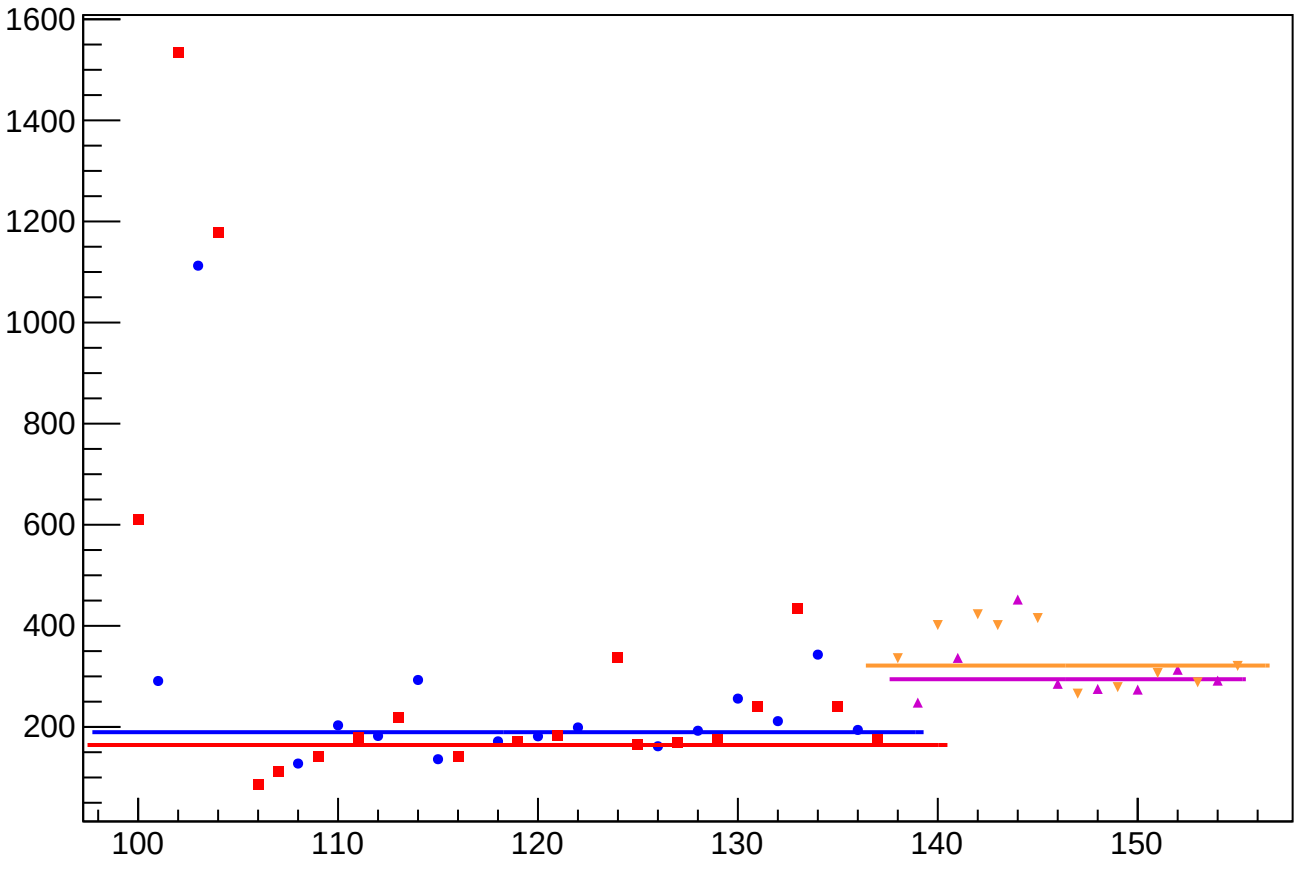
Left: 0.023+/-0.082 χ^2/NDF: 21.7/17

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.093+/-0.064 χ^2/NDF:23.6/23

Out: 0.095+/-0.060 χ^2/NDF:38.5/28

All: 0.006+/-0.044 χ^2/NDF: 66.7/52



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 321.445+/-0.083 χ^2/NDF:396909.4/9

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 294.398+/-0.081 χ^2/NDF:324334.8/7

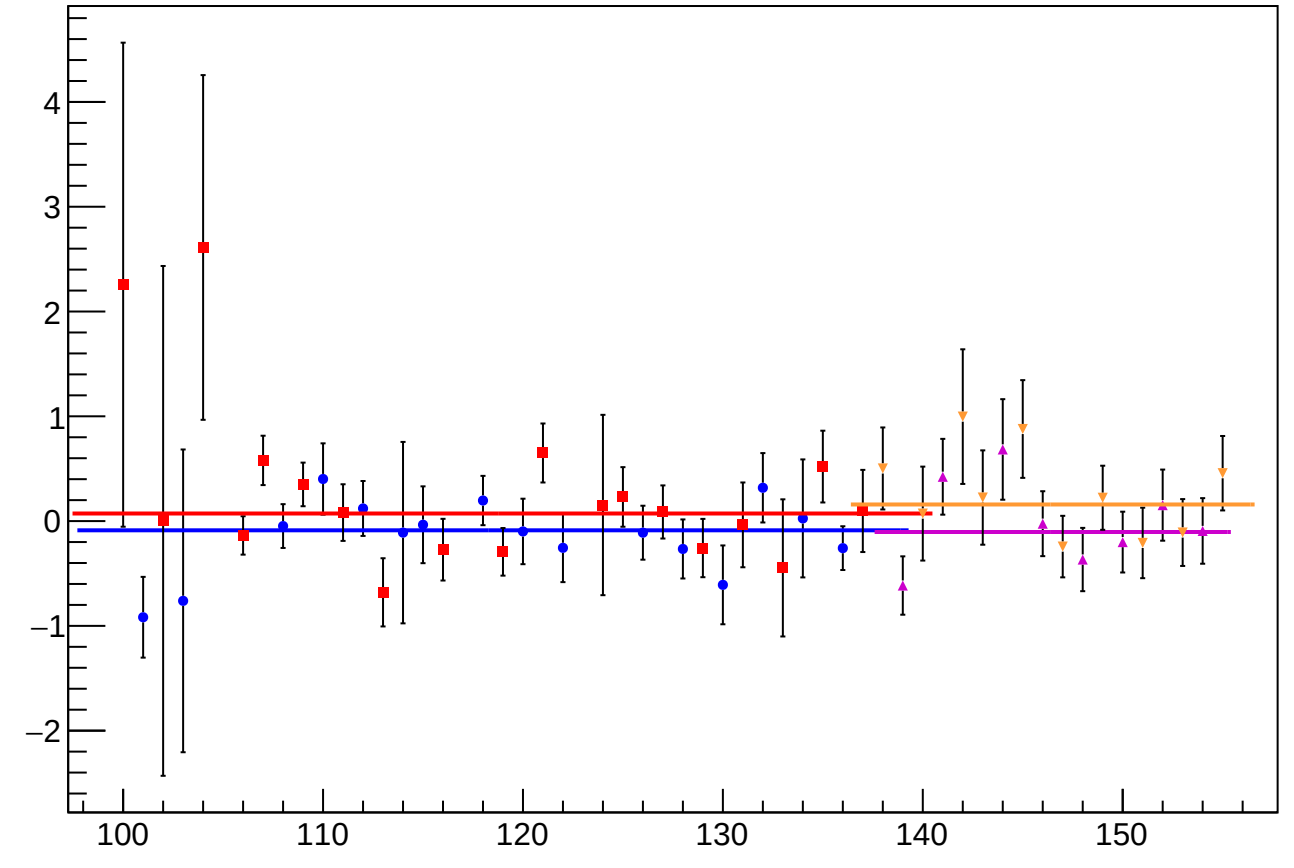
Left: 307.496+/-0.058 χ^2/NDF: 775825.5/17

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 222.342+/-0.045 χ^2/NDF:2952946.1/23

Out: 205.427+/-0.043 χ^2/NDF:5678318.3/28

All: 213.405+/-0.031 χ^2/NDF: 8705855.5/52



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.159+/-0.118 χ^2/NDF:9.4/9

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.104+/-0.114 χ^2/NDF:9.7/7

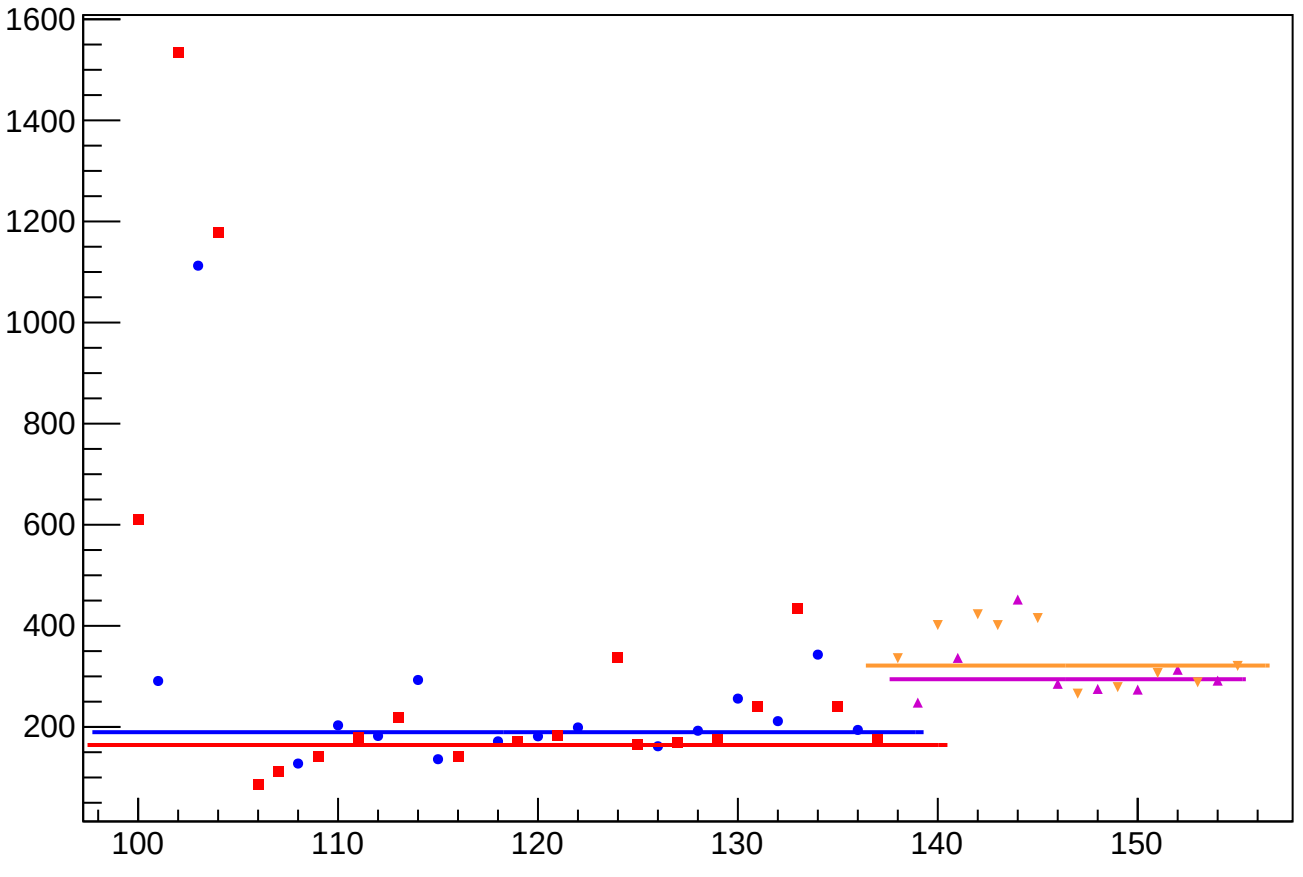
Left: 0.023+/-0.082 χ^2/NDF: 21.7/17

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.093+/-0.064 χ^2/NDF:23.6/23

Out: 0.095+/-0.060 χ^2/NDF:38.5/28

All: 0.006+/-0.044 χ^2/NDF: 66.7/52



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 321.445+/-0.083 χ^2/NDF:396909.4/9

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 294.398+/-0.081 χ^2/NDF:324334.8/7

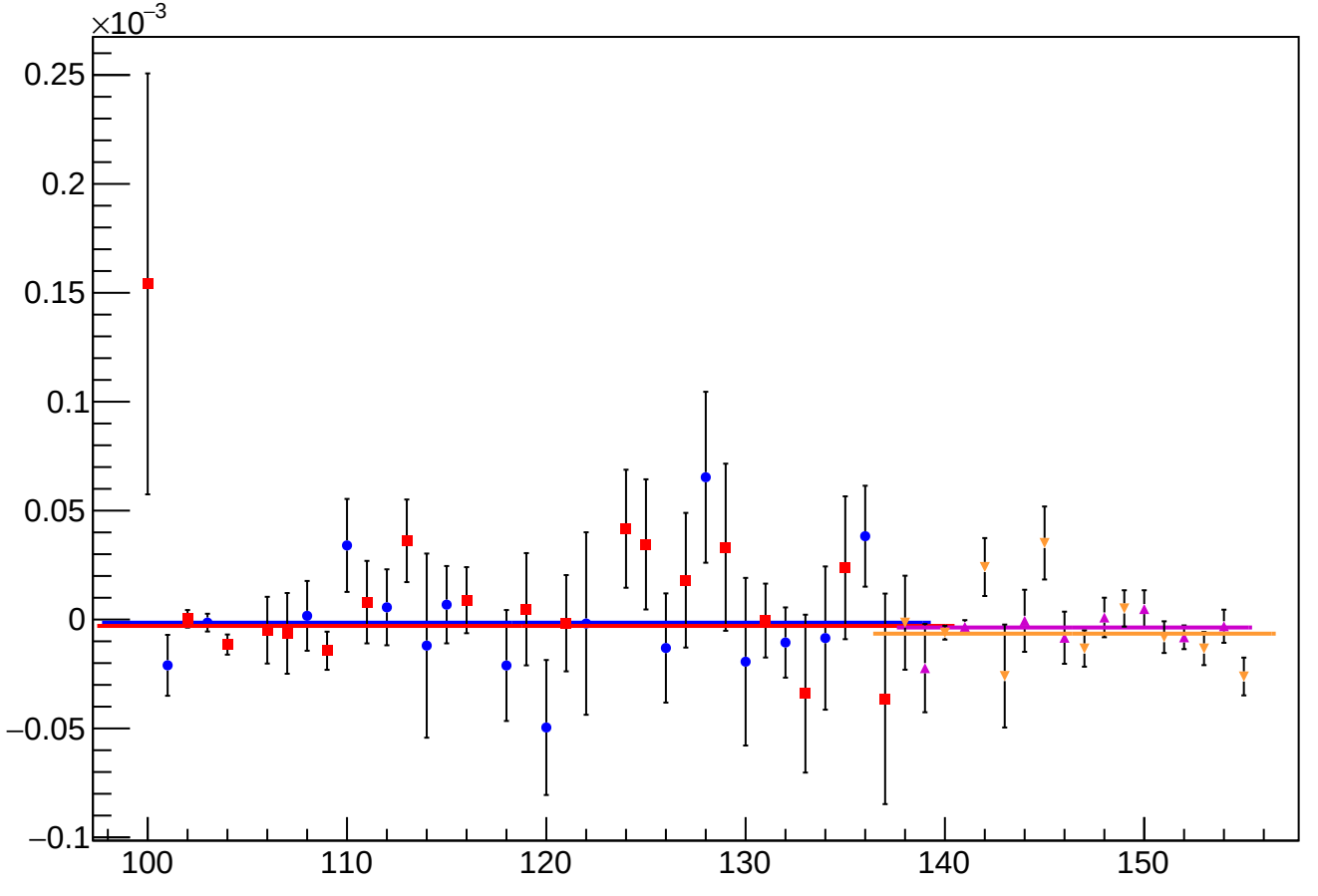
Left: 307.496+/-0.058 χ^2/NDF: 775825.5/17

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 222.342+/-0.045 χ^2/NDF:2952946.1/23

Out: 205.427+/-0.043 χ^2/NDF:5678318.3/28

All: 213.405+/-0.031 χ^2/NDF: 8705855.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/7

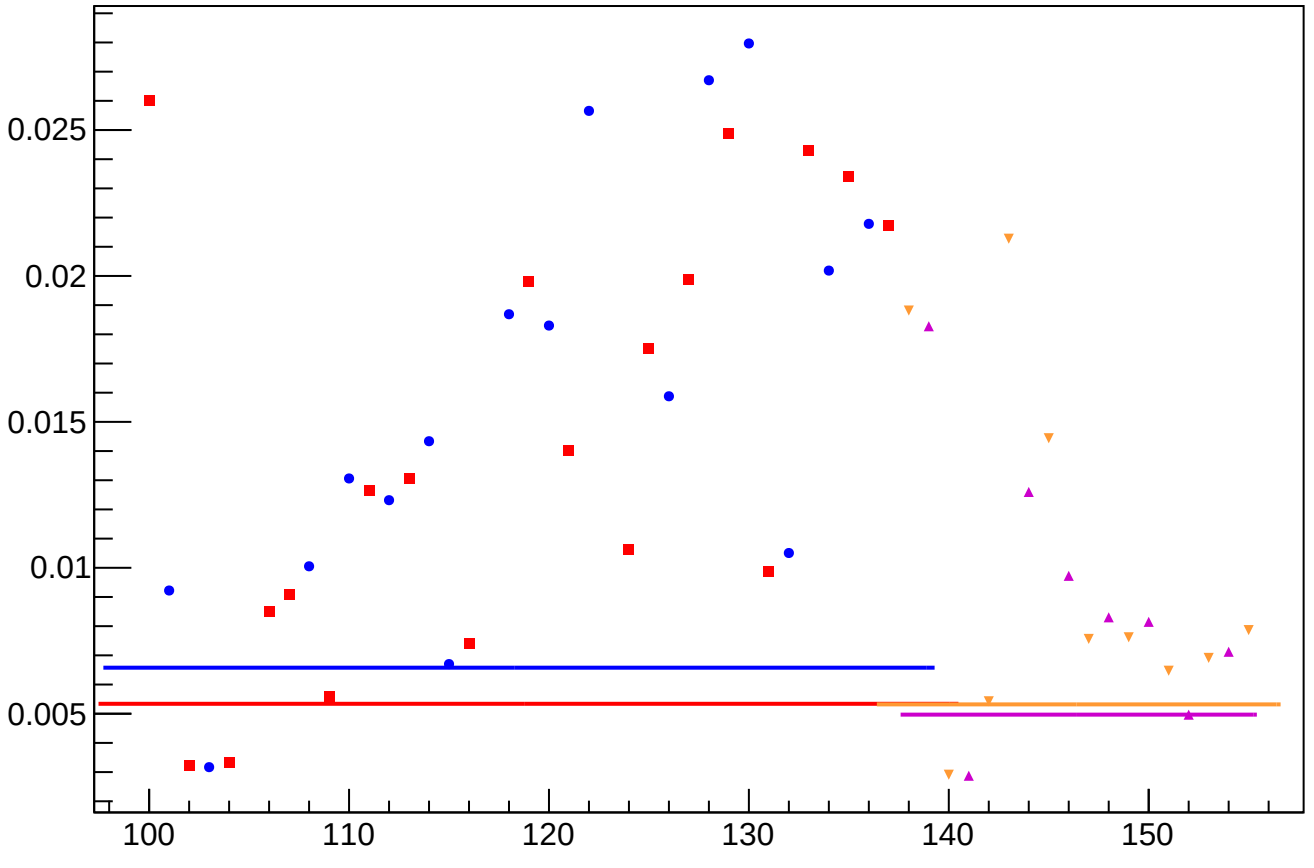
Left: -0.000+/-0.000 χ^2/NDF: 24.6/17

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:18.1/23

Out: -0.000+/-0.000 χ^2/NDF:43.2/28

All: -0.000+/-0.000 χ^2/NDF: 61.9/52



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:4048123.2/9

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.005+/-0.000 χ^2/NDF:3391885.9/7

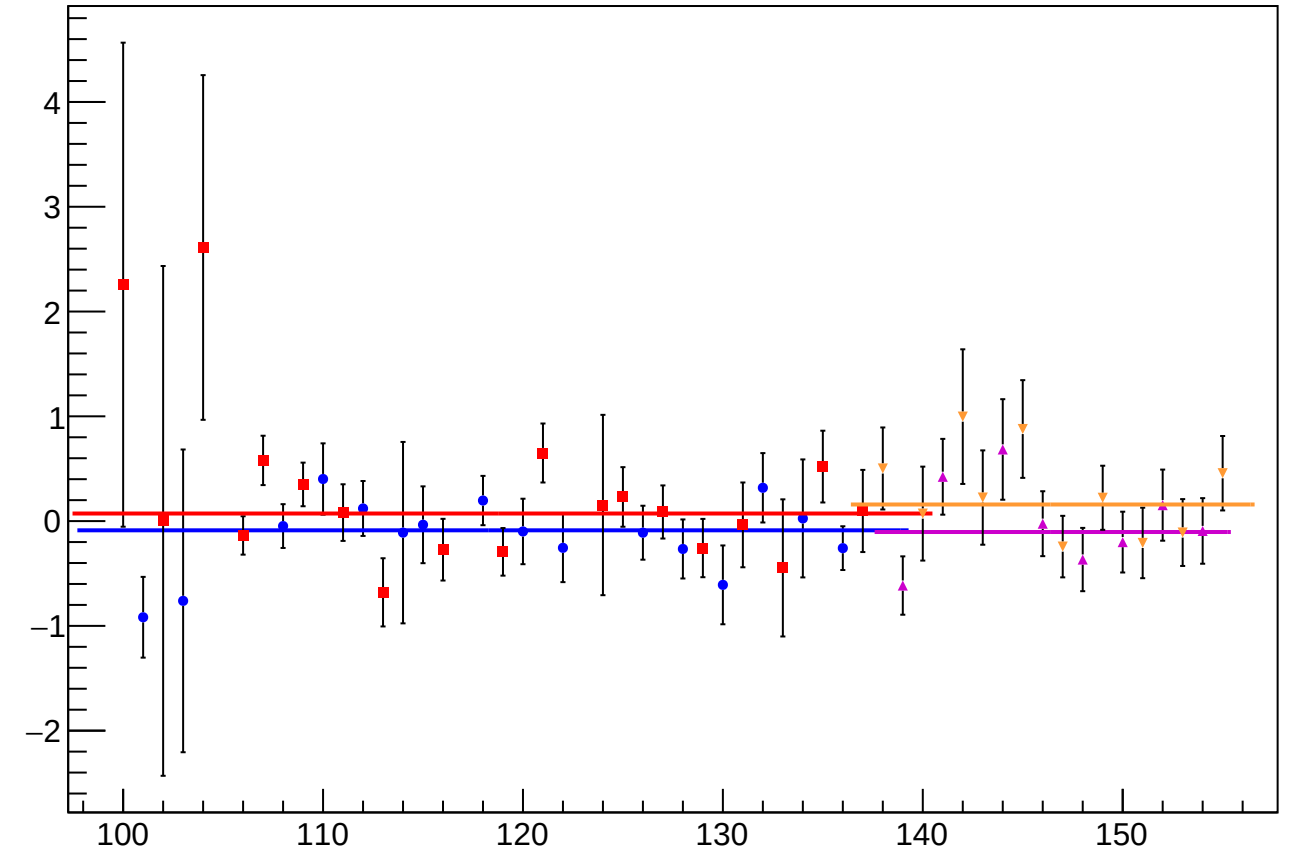
Left: 0.005+/-0.000 χ^2/NDF: 7463953.4/17

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.005+/-0.000 χ^2/NDF:9642824.0/23

Out: 0.005+/-0.000 χ^2/NDF:9734107.7/28

All: 0.005+/-0.000 χ^2/NDF: 19383698.4/52



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.159+/-0.118 χ^2/NDF:9.4/9

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.104+/-0.114 χ^2/NDF:9.7/7

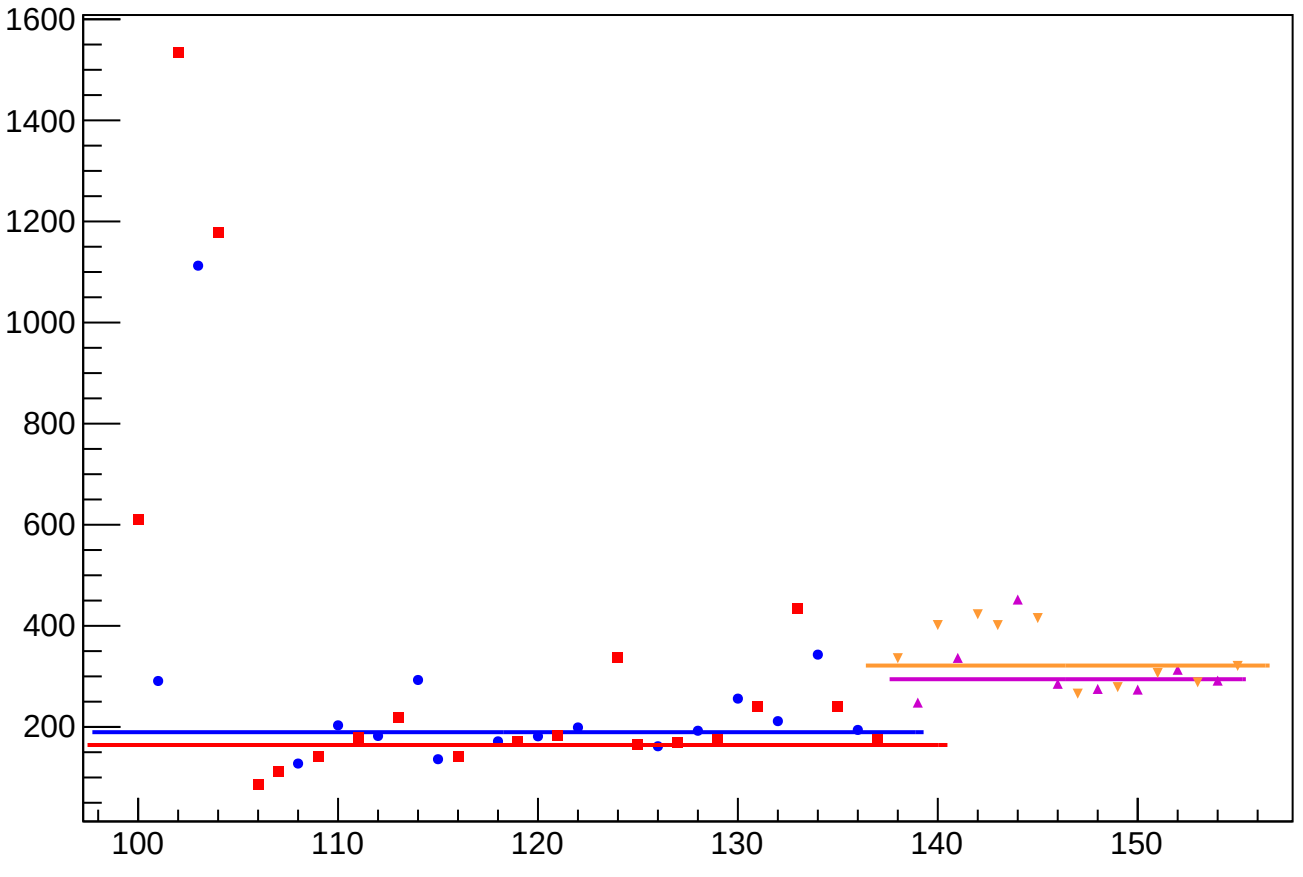
Left: 0.023+/-0.082 χ^2/NDF: 21.7/17

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.093+/-0.064 χ^2/NDF:23.6/23

Out: 0.095+/-0.060 χ^2/NDF:38.5/28

All: 0.006+/-0.044 χ^2/NDF: 66.7/52



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 321.449+/-0.083 χ^2/NDF:396900.6/9

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 294.402+/-0.081 χ^2/NDF:324318.3/7

Left: 307.500+/-0.058 χ^2/NDF: 775799.0/17

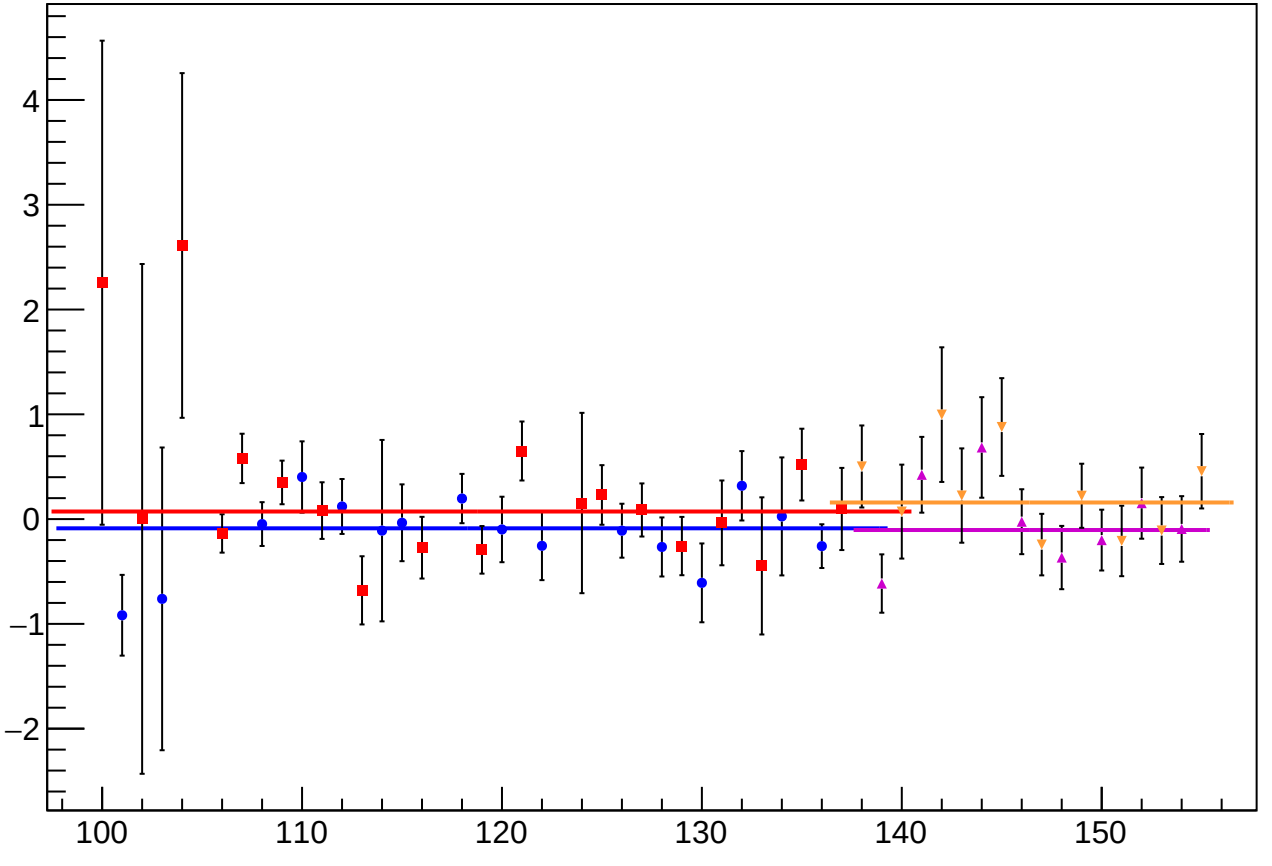
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 222.342+/-0.045 χ^2/NDF:2952998.5/23

Out: 205.426+/-0.043 χ^2/NDF:5678398.2/28

All: 213.405+/-0.031 χ^2/NDF: 8705992.4/52

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: 0.159+/-0.118 χ^2/NDF:9.4/9

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.104+/-0.114 χ^2/NDF:9.7/7

Left: 0.023+/-0.082 χ^2/NDF: 21.7/17

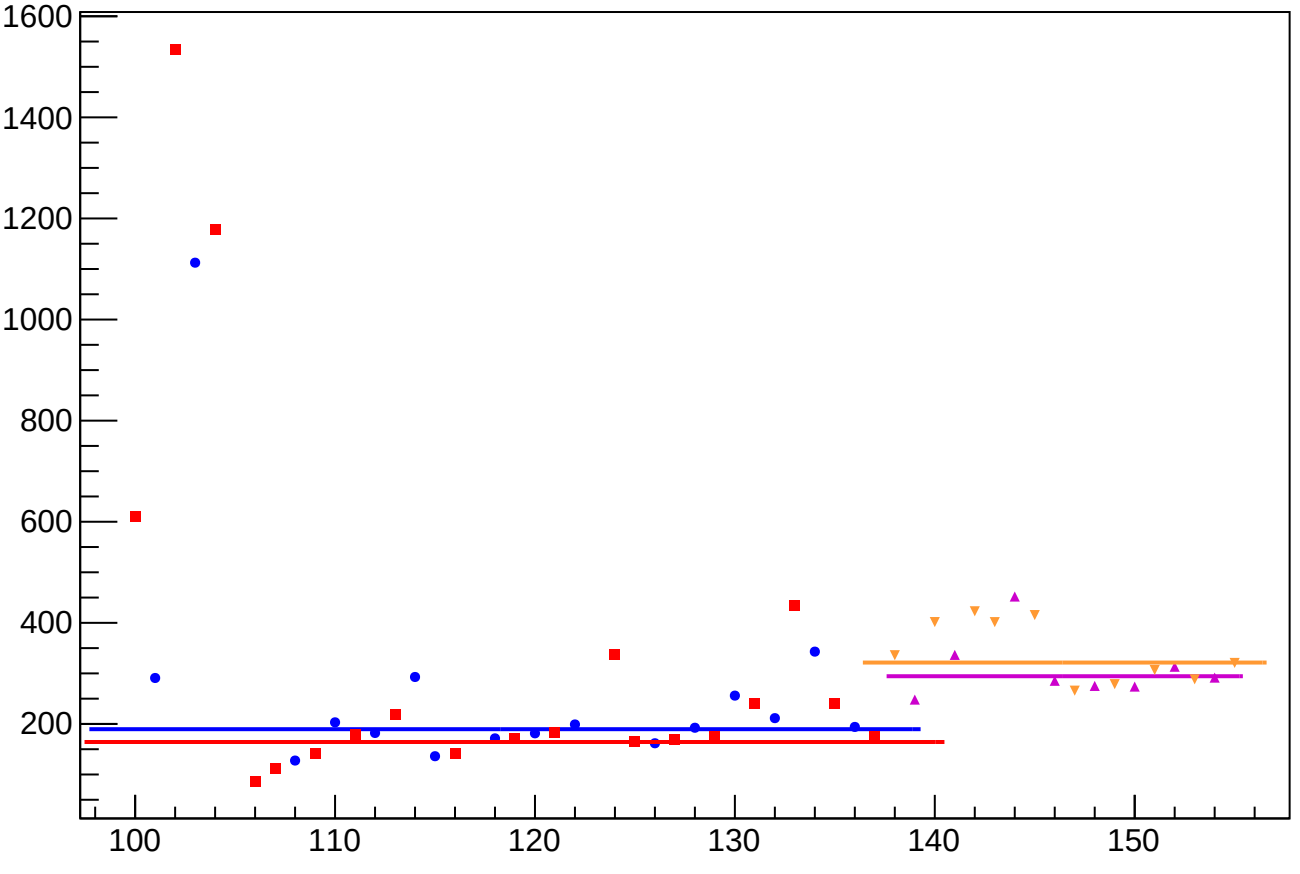
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.093+/-0.064 χ^2/NDF:23.6/23

Out: 0.095+/-0.060 χ^2/NDF:38.5/28

All: 0.006+/-0.044 χ^2/NDF: 66.7/52

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 321.449+/-0.083 χ^2/NDF:396900.6/9

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 294.402+/-0.081 χ^2/NDF:324318.3/7

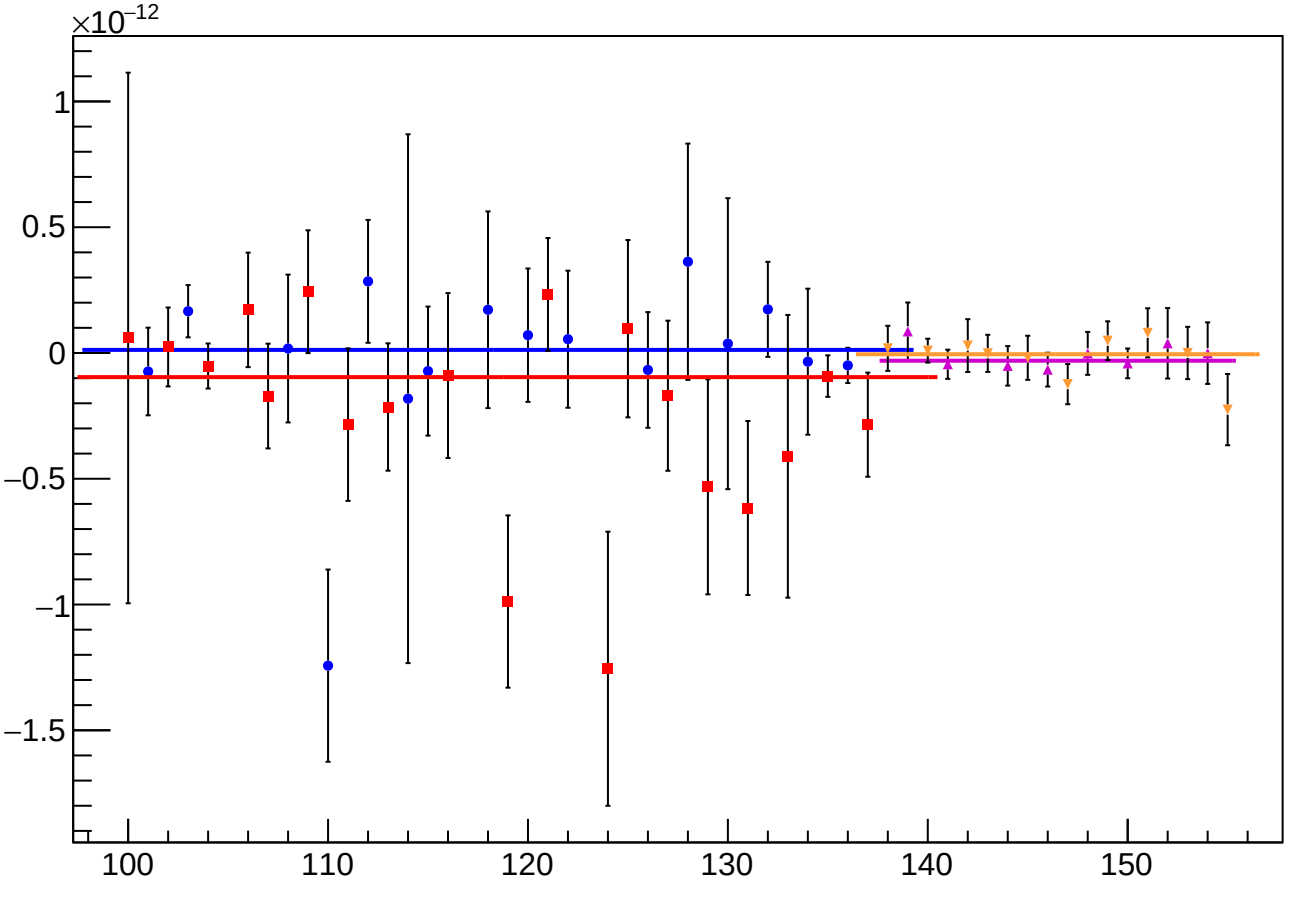
Left: 307.500+/-0.058 χ^2/NDF: 775799.0/17

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 222.342+/-0.045 χ^2/NDF:2952998.5/23

Out: 205.426+/-0.043 χ^2/NDF:5678398.2/28

All: 213.405+/-0.031 χ^2/NDF: 8705992.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/7

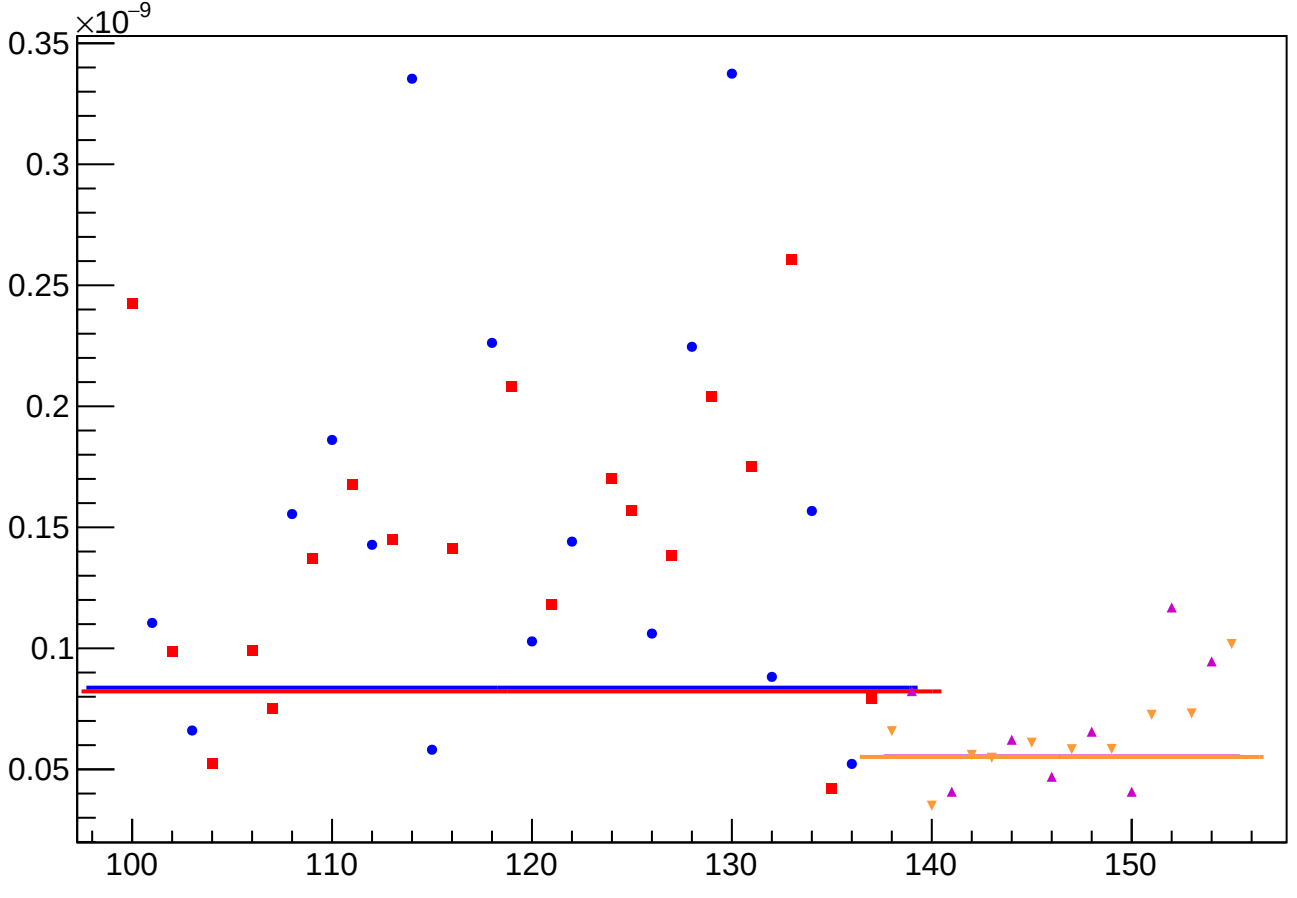
Left: -0.000+/-0.000 χ^2/NDF: 8.5/17

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:19.6/23

Out: -0.000+/-0.000 χ^2/NDF:32.5/28

All: -0.000+/-0.000 χ^2/NDF: 52.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:745830.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1025617.2/7

Left: 0.000+/-0.000 χ^2/NDF: 1771496.7/17

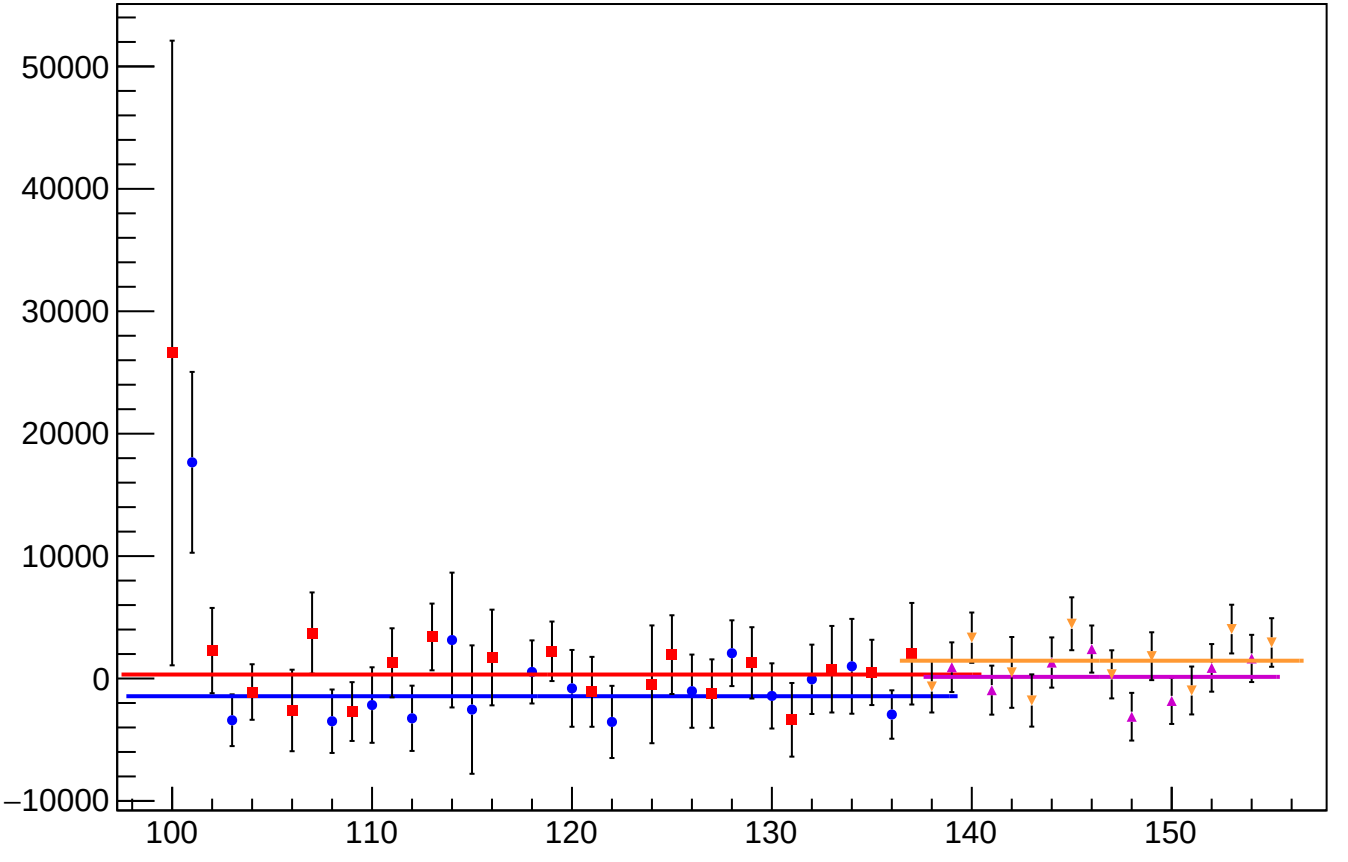
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:3702839.8/23

Out: 0.000+/-0.000 χ^2/NDF:3571508.9/28

All: 0.000+/-0.000 χ^2/NDF: 7277456.0/52

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1454.386+/-659.189 χ^2/NDF:10.4/9

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: 134.353+/-693.522 χ^2/NDF:6.8/7

Left: 827.852+/-477.794 χ^2/NDF: 19.1/17

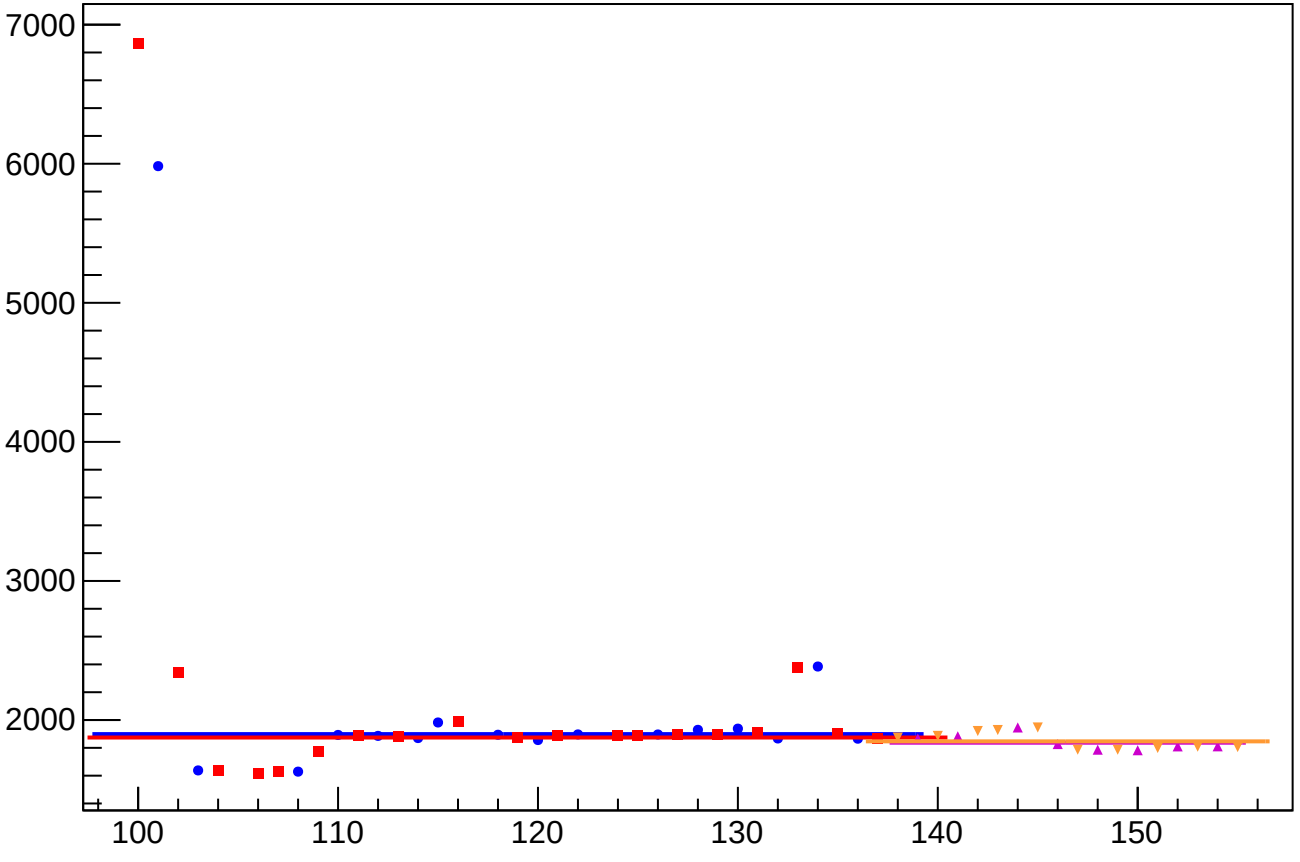
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -623.060+/-500.538 χ^2/NDF:22.8/23

Out: 926.122+/-480.747 χ^2/NDF:21.7/28

All: 182.763+/-346.725 χ^2/NDF: 49.5/52

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1846.606+/-0.466 χ^2/NDF:16081.3/9

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1836.968+/-0.490 χ^2/NDF:10971.9/7

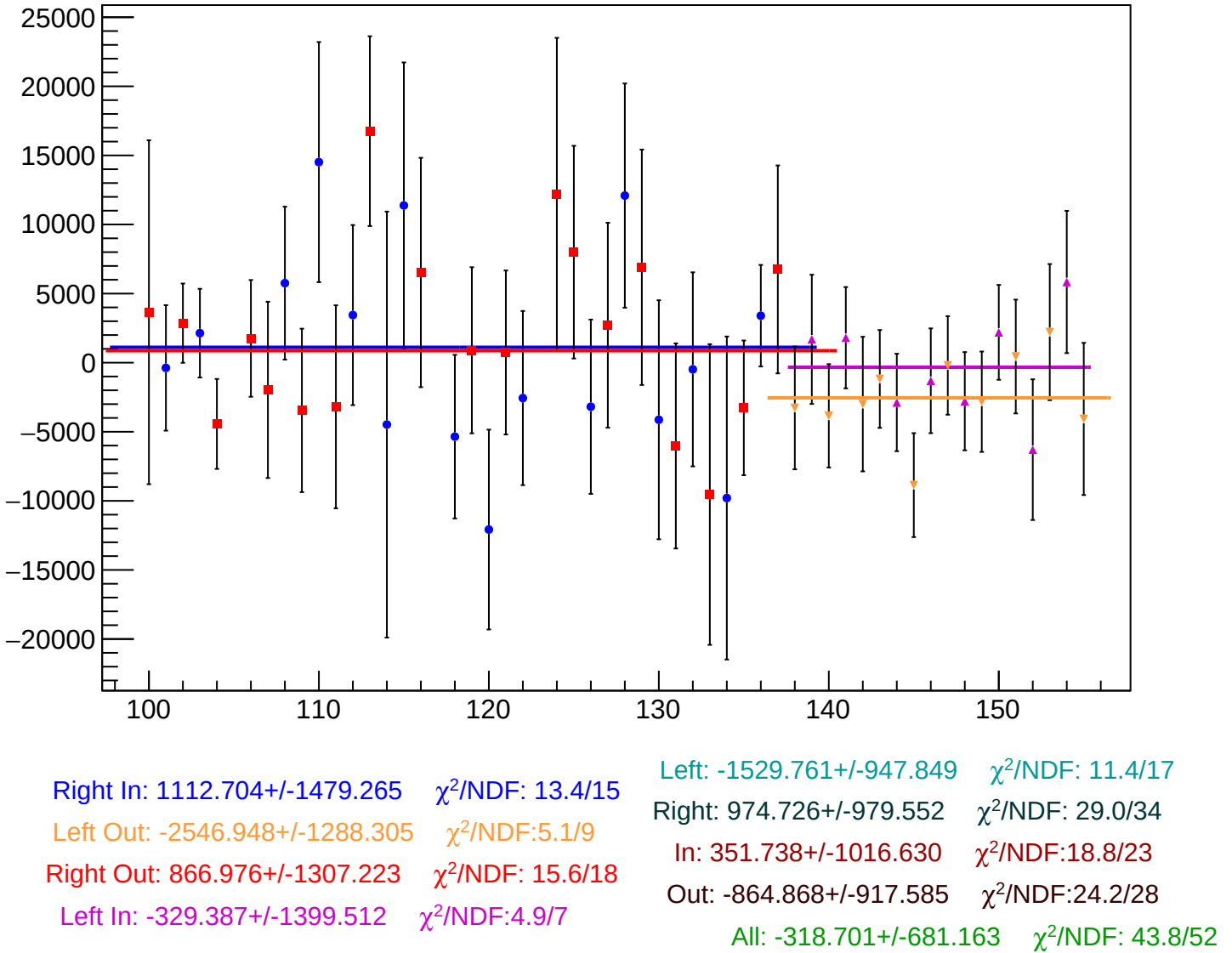
Left: 1842.031+/-0.338 χ^2/NDF: 27256.1/17

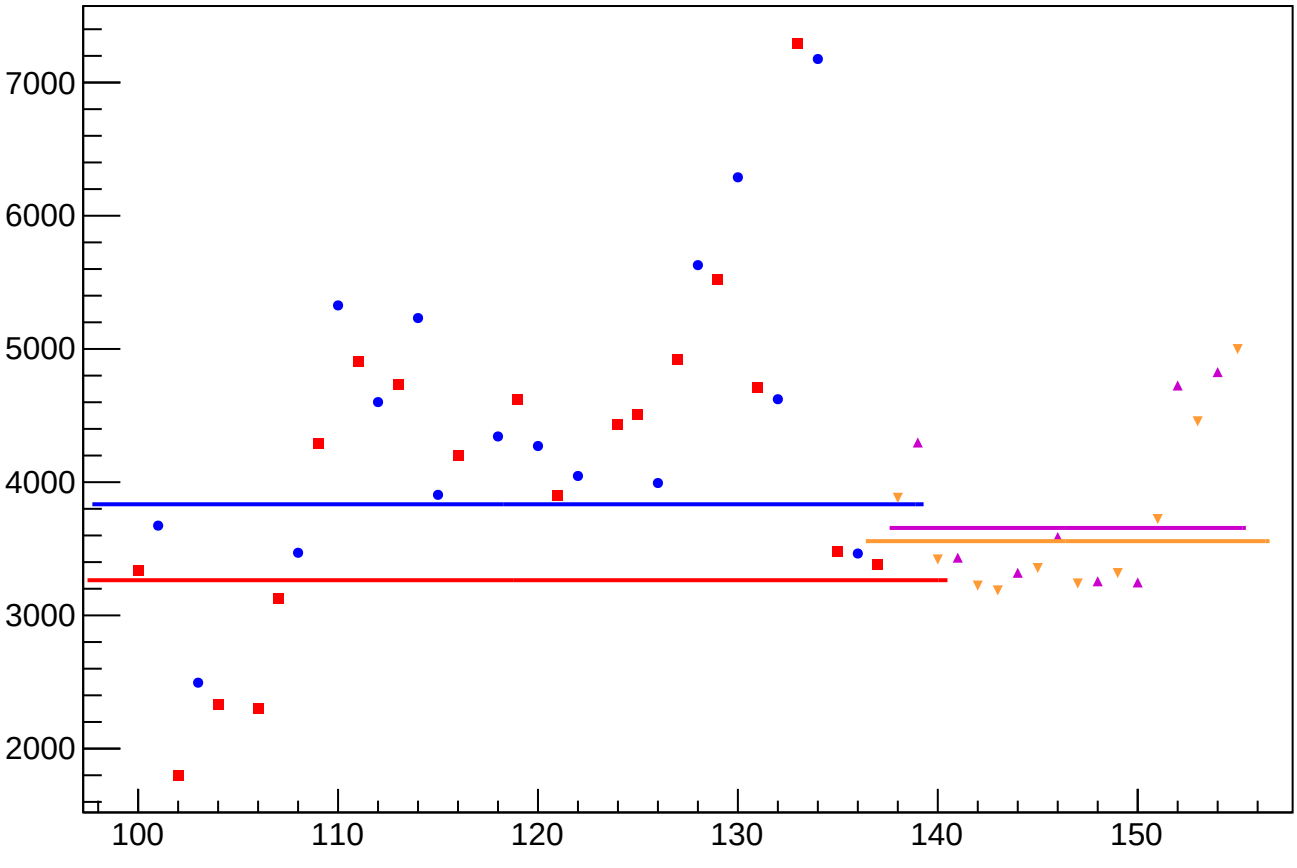
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1866.604+/-0.354 χ^2/NDF:716109.2/23

Out: 1859.594+/-0.339 χ^2/NDF:225391.6/28

All: 1862.952+/-0.245 χ^2/NDF: 941705.2/52


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -2546.948+/-1288.305 χ²/NDF:5.1/9
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -329.387+/-1399.512 χ²/NDF:4.9/7
Left: -1529.761+/-947.849 χ²/NDF: 11.4/17
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: 351.738+/-1016.630 χ²/NDF:18.8/23
Out: -864.868+/-917.585 χ²/NDF:24.2/28
All: -318.701+/-681.163 χ²/NDF: 43.8/52



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3557.335+/-0.911 χ^2/NDF:282029.0/9

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3656.464+/-0.990 χ^2/NDF:309175.9/7

Left: 3602.805+/-0.670 χ^2/NDF: 596636.4/17

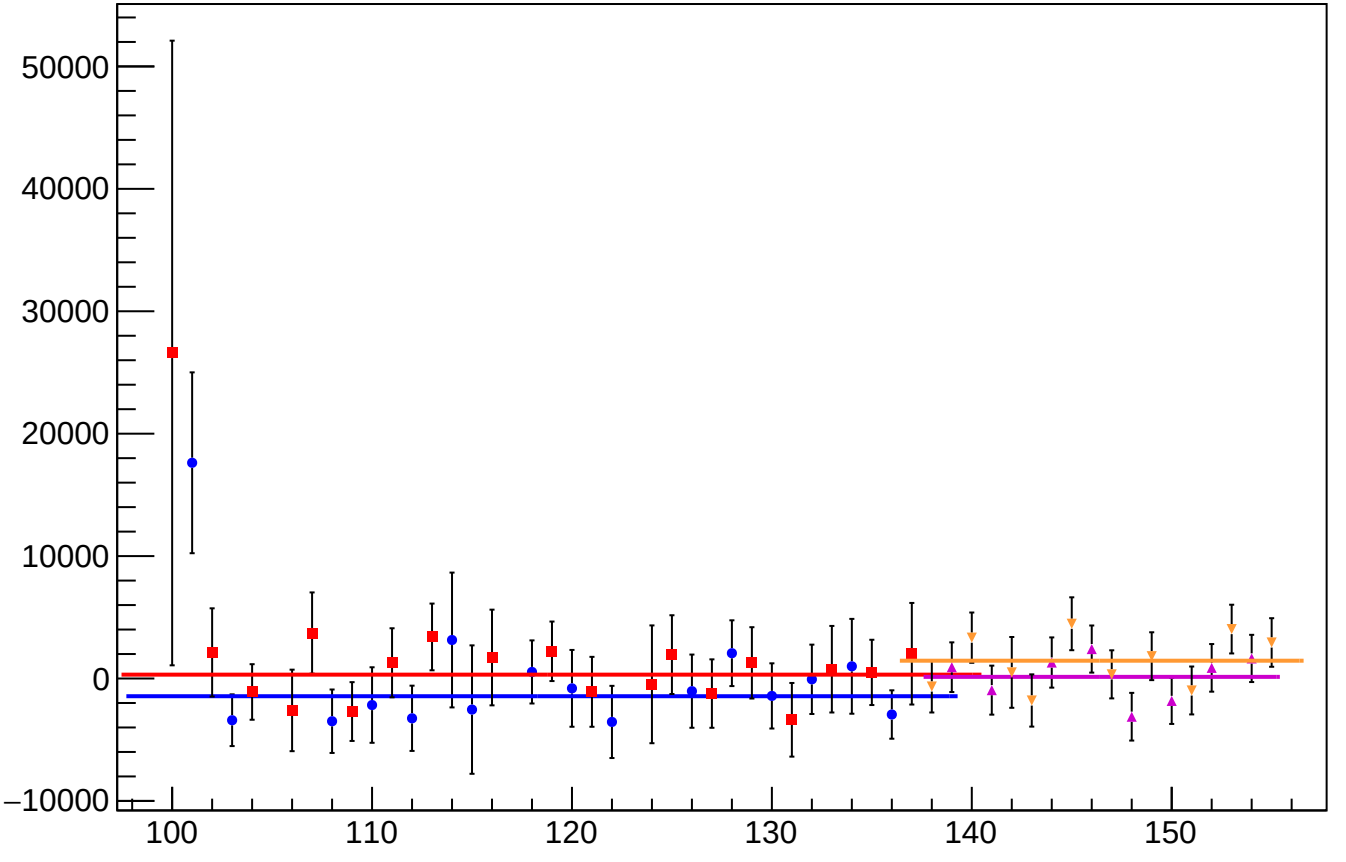
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3740.395+/-0.719 χ^2/NDF:1281181.0/23

Out: 3412.860+/-0.649 χ^2/NDF:2197319.2/28

All: 3559.899+/-0.482 χ^2/NDF: 3592901.0/52

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1454.436+/-659.189 χ^2/NDF:10.4/9

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: 134.382+/-693.522 χ^2/NDF:6.8/7

Left: 827.892+/-477.794 χ^2/NDF: 19.1/17

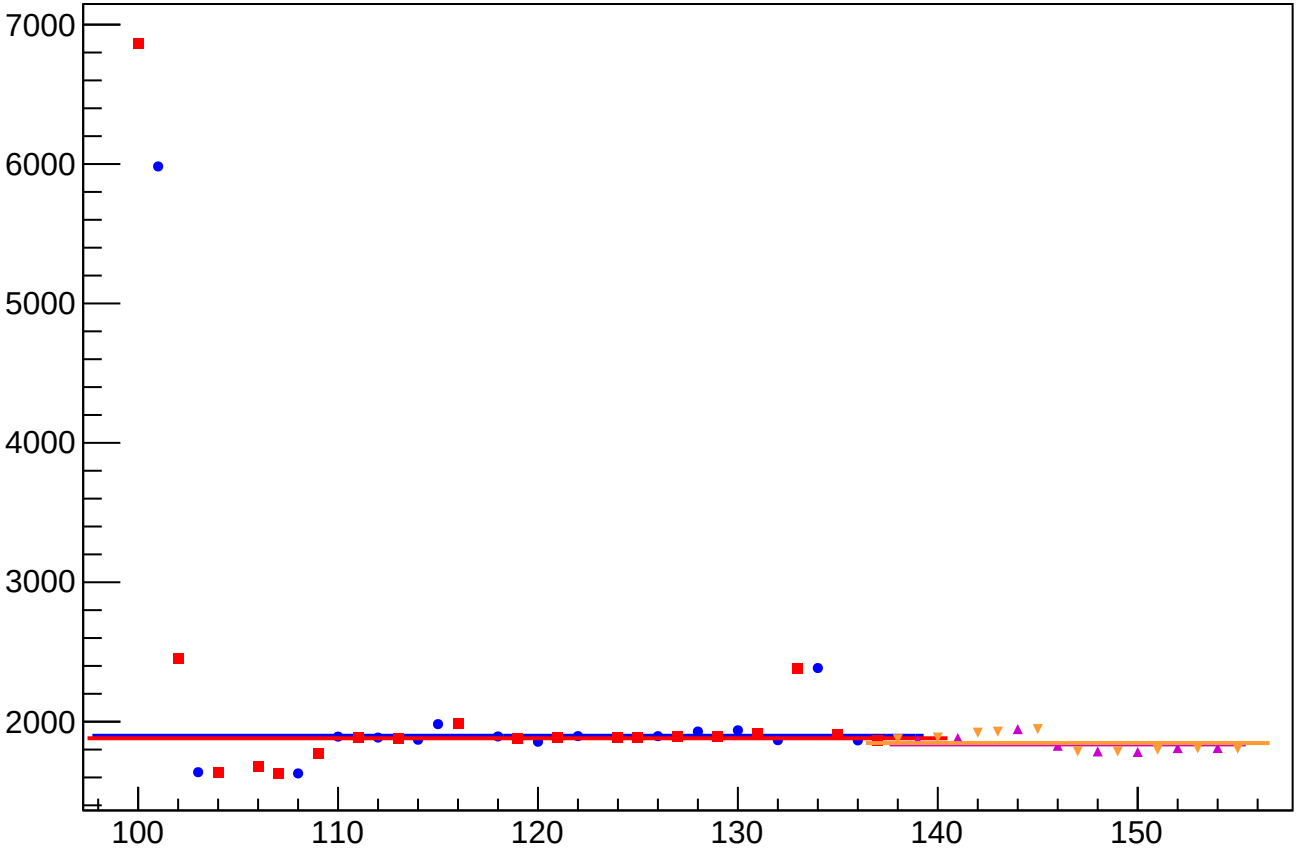
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -623.230+/-500.538 χ^2/NDF:22.8/23

Out: 922.024+/-481.050 χ^2/NDF:21.6/28

All: 180.063+/-346.839 χ^2/NDF: 49.3/52

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1846.606+/-0.466 χ^2/NDF:16081.3/9

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1836.968+/-0.490 χ^2/NDF:10971.9/7

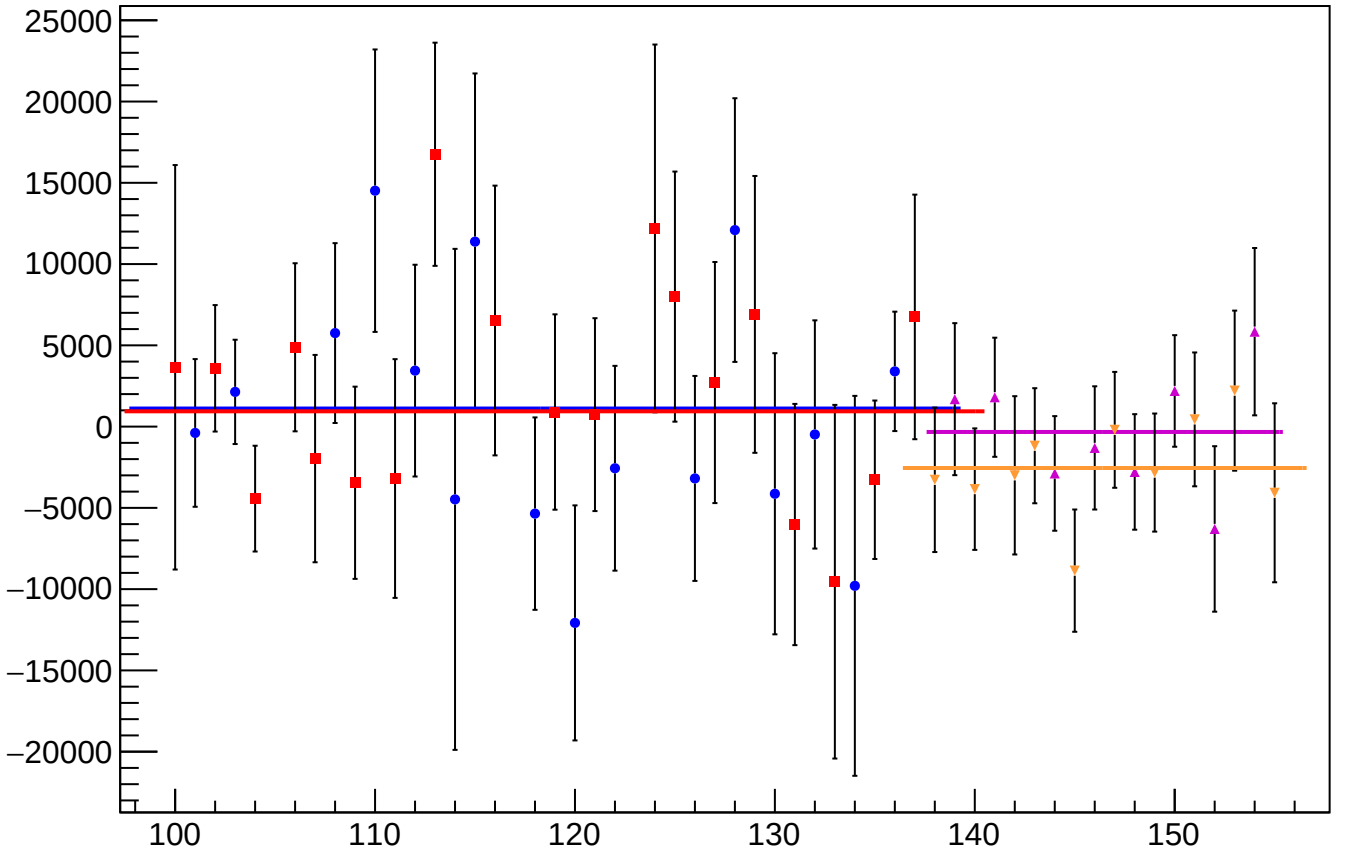
Left: 1842.032+/-0.338 χ^2/NDF: 27256.1/17

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1866.604+/-0.354 χ^2/NDF:716109.3/23

Out: 1862.713+/-0.340 χ^2/NDF:235196.0/28

All: 1864.580+/-0.245 χ^2/NDF: 951368.1/52



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2546.911+/-1288.305 χ^2/NDF:5.1/9

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -329.520+/-1399.509 χ^2/NDF:4.9/7

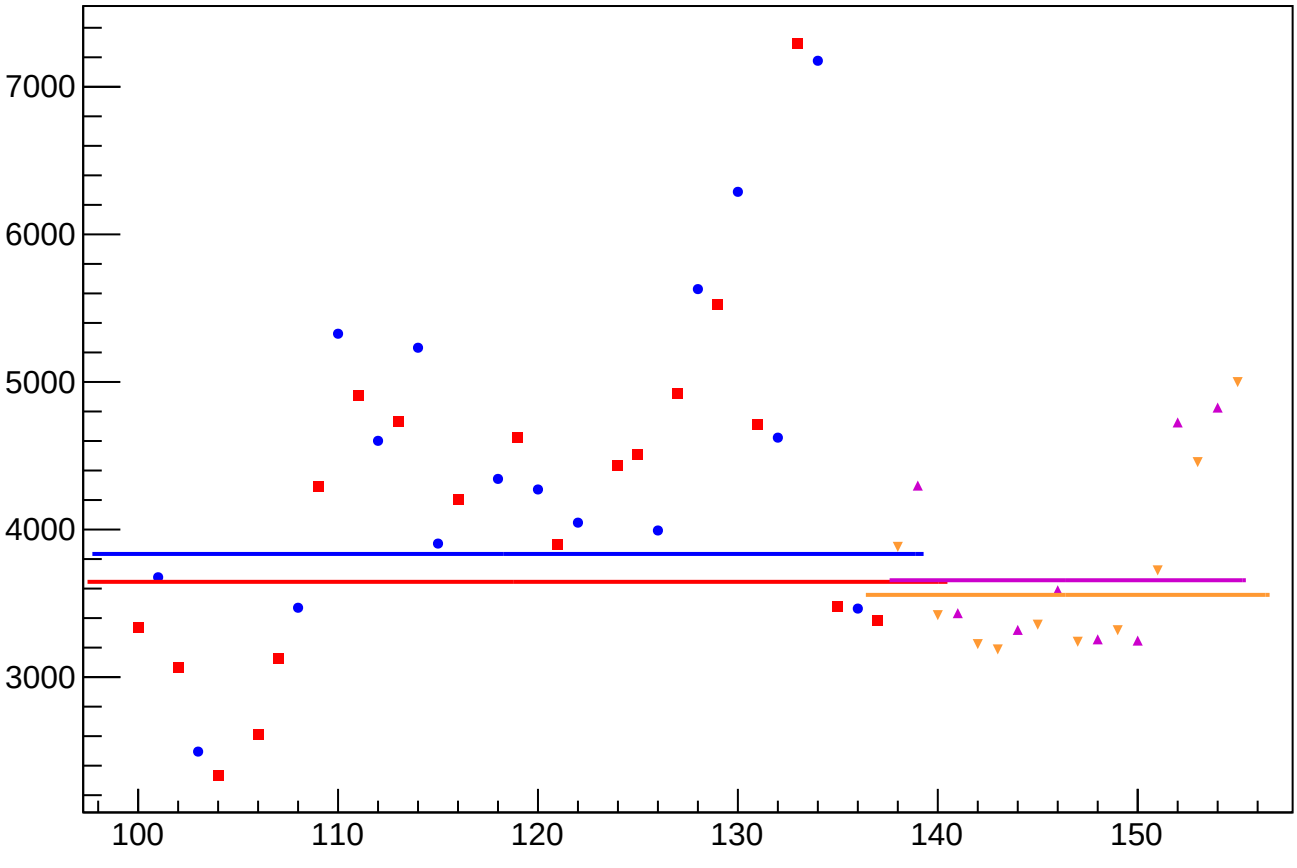
Left: -1529.800+/-947.848 χ^2/NDF: 11.4/17

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 351.029+/-1016.685 χ^2/NDF:18.8/23

Out: -946.508+/-947.688 χ^2/NDF:24.6/28

All: -343.258+/-693.226 χ^2/NDF: 44.3/52



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3557.334+/-0.911 χ^2/NDF:282037.4/9

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3656.455+/-0.990 χ^2/NDF:309182.2/7

Left: 3602.801+/-0.670 χ^2/NDF: 596650.1/17

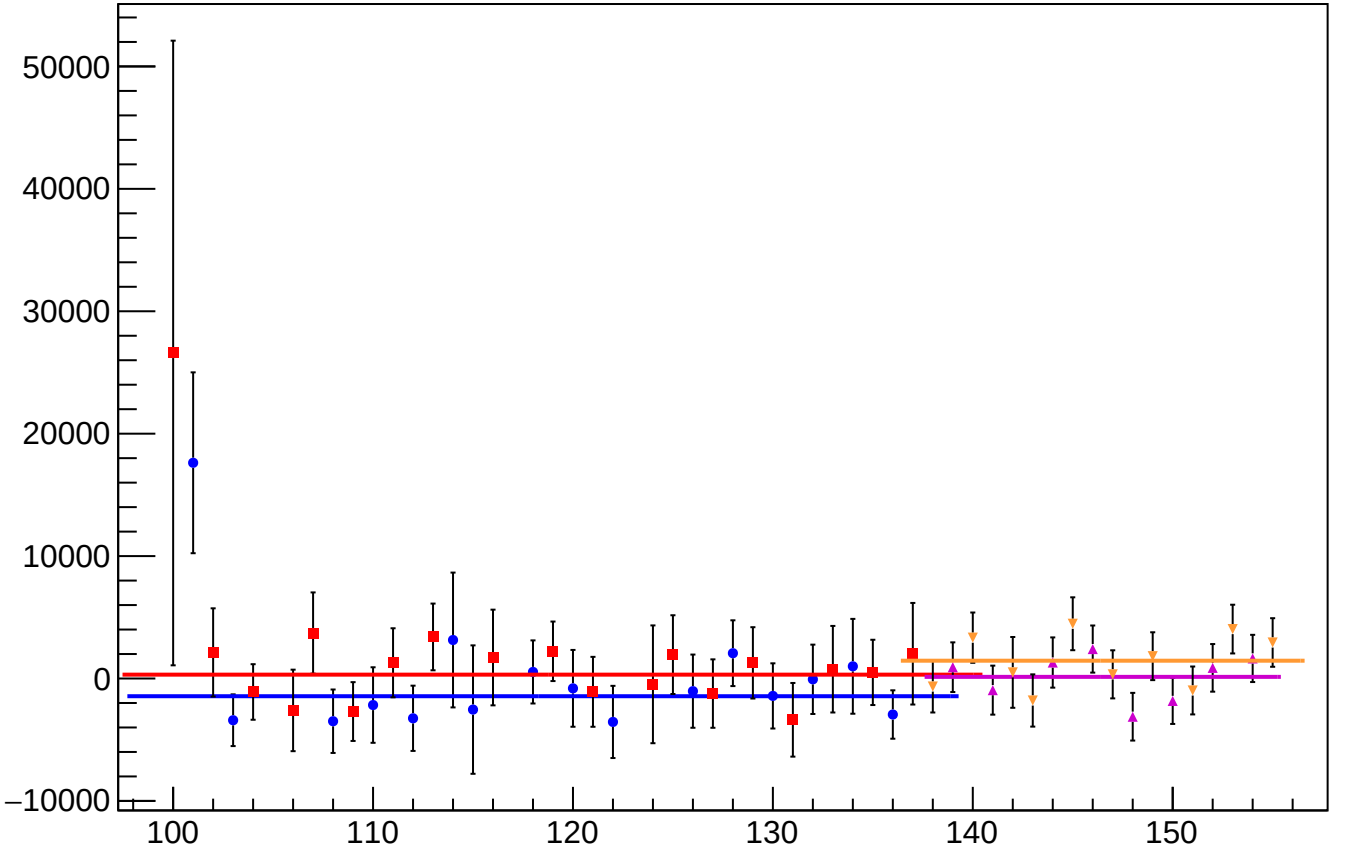
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3740.628+/-0.719 χ^2/NDF:1280813.9/23

Out: 3597.879+/-0.670 χ^2/NDF:1411335.5/28

All: 3664.245+/-0.490 χ^2/NDF: 2713246.4/52

eigen_cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1454.436+/-659.189 χ^2/NDF:10.4/9

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: 134.382+/-693.522 χ^2/NDF:6.8/7

Left: 827.892+/-477.794 χ^2/NDF: 19.1/17

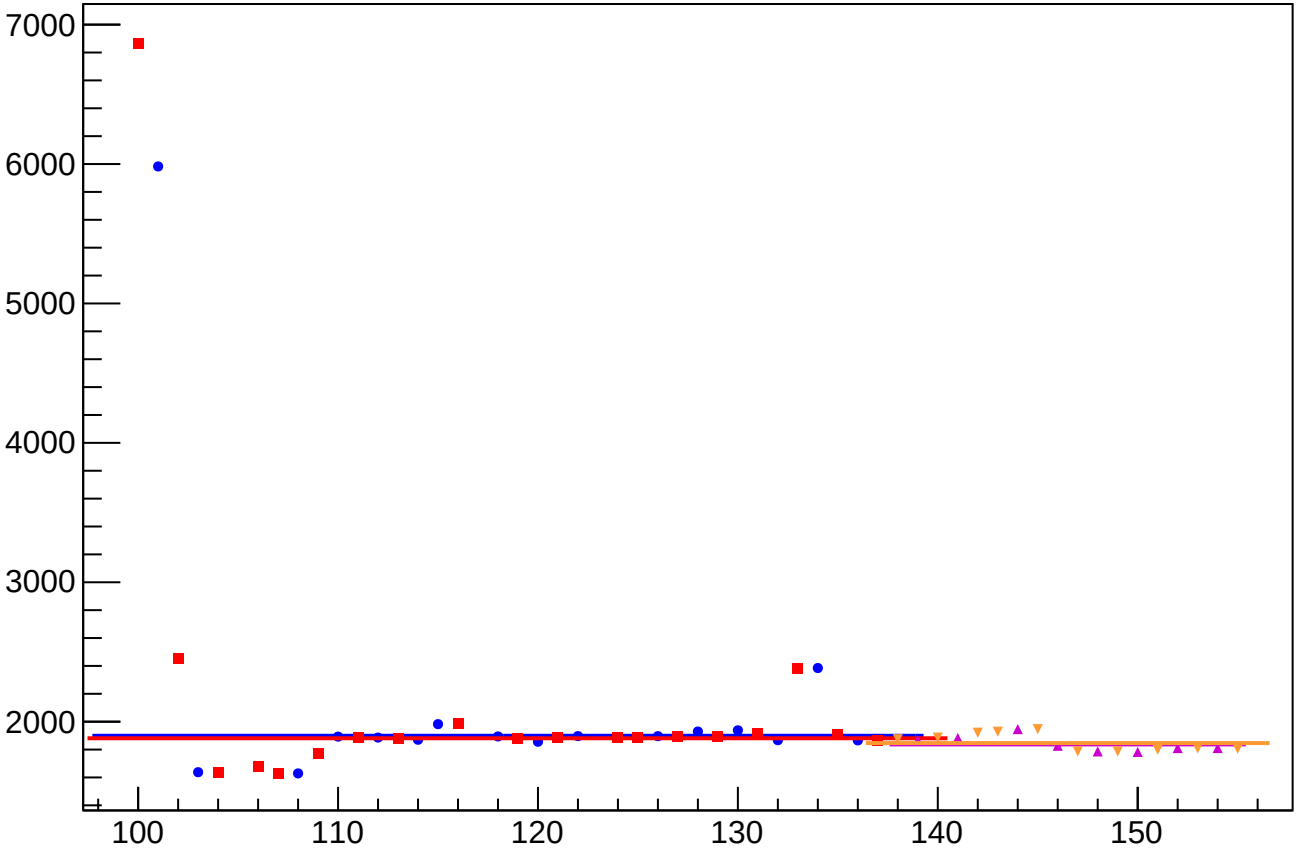
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -623.230+/-500.538 χ^2/NDF:22.8/23

Out: 922.024+/-481.050 χ^2/NDF:21.6/28

All: 180.063+/-346.839 χ^2/NDF: 49.3/52

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1846.606+/-0.466 χ^2/NDF:16081.3/9

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1836.968+/-0.490 χ^2/NDF:10971.9/7

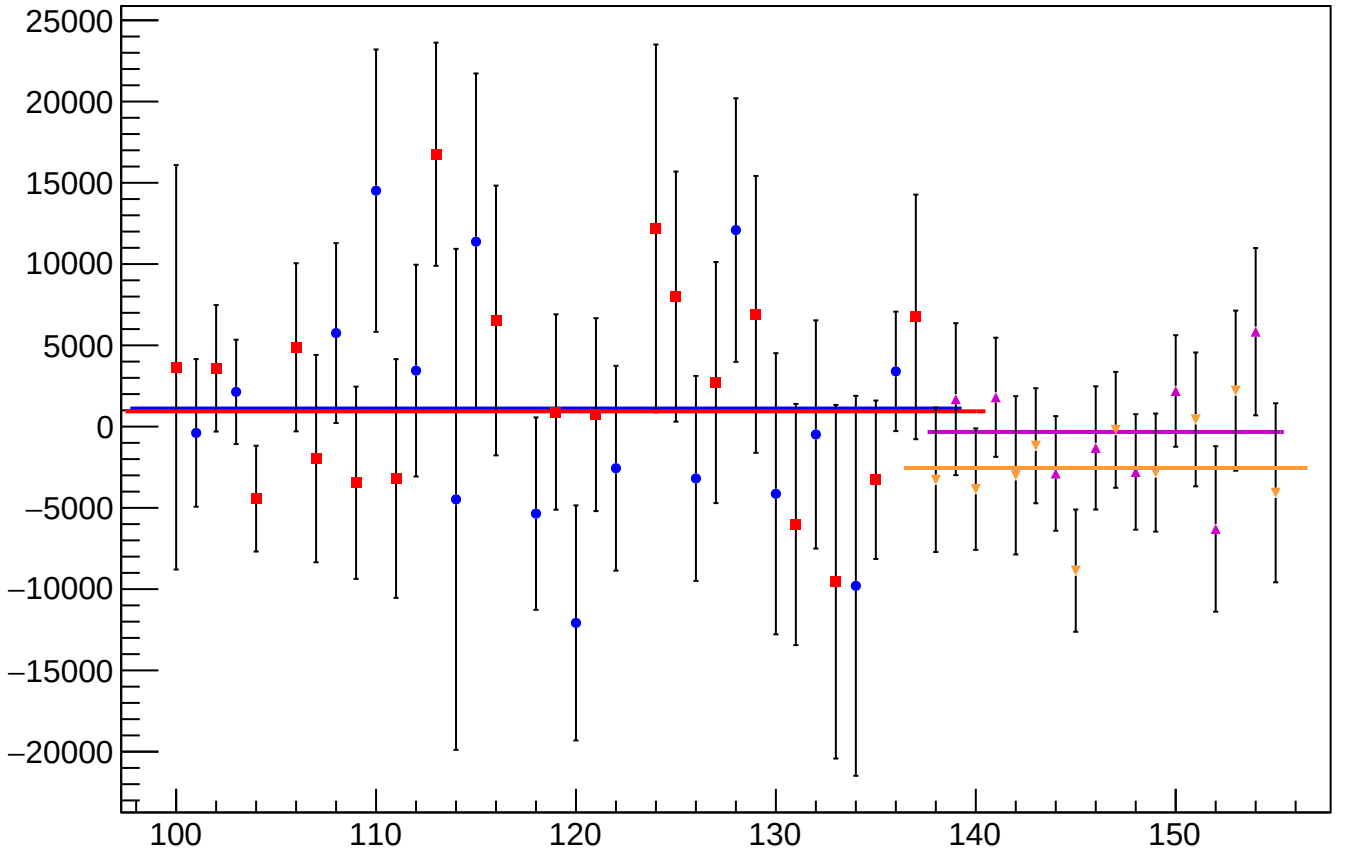
Left: 1842.032+/-0.338 χ^2/NDF: 27256.1/17

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1866.604+/-0.354 χ^2/NDF:716109.3/23

Out: 1862.713+/-0.340 χ^2/NDF:235196.0/28

All: 1864.580+/-0.245 χ^2/NDF: 951368.1/52



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2546.911+/-1288.305 χ^2/NDF:5.1/9

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -329.520+/-1399.509 χ^2/NDF:4.9/7

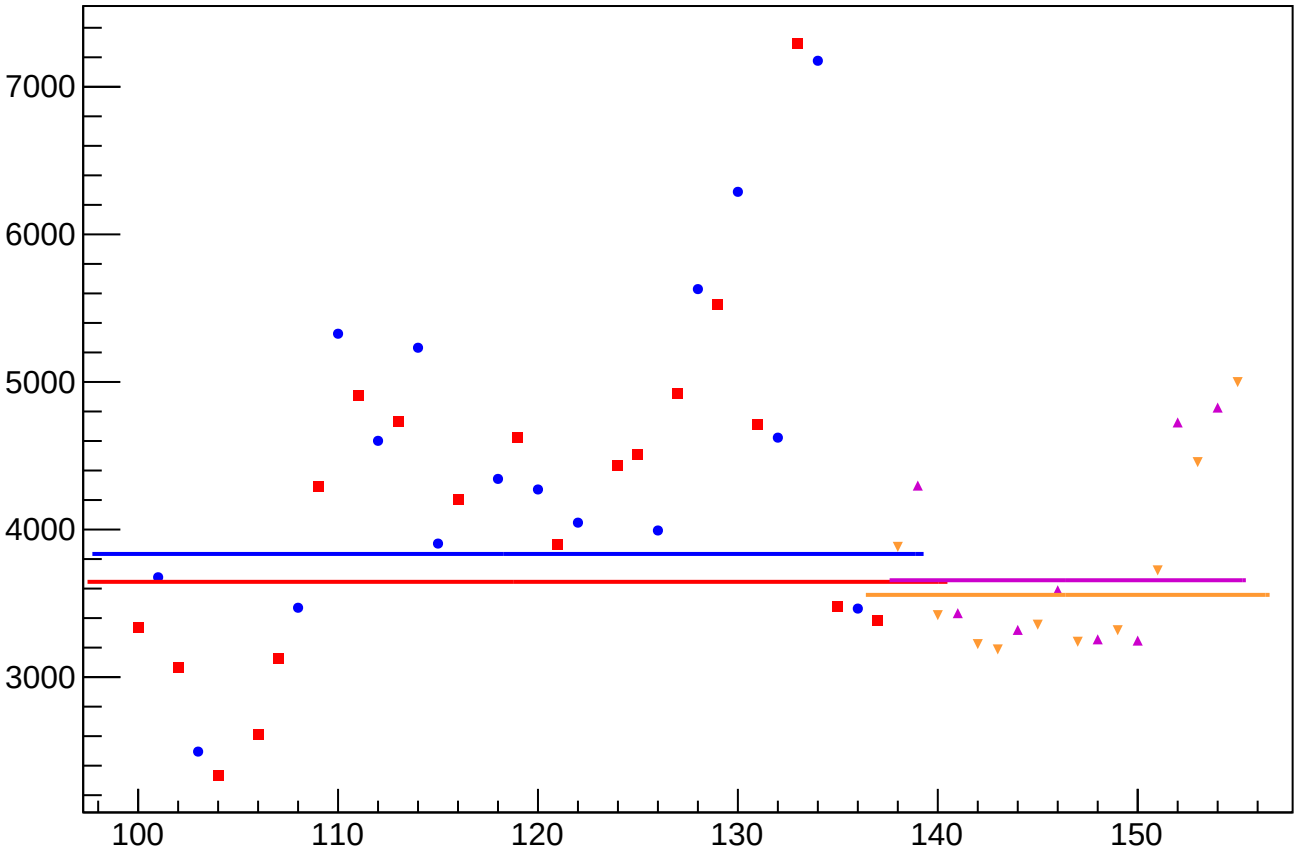
Left: -1529.800+/-947.848 χ^2/NDF: 11.4/17

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 351.029+/-1016.685 χ^2/NDF:18.8/23

Out: -946.508+/-947.688 χ^2/NDF:24.6/28

All: -343.258+/-693.226 χ^2/NDF: 44.3/52



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3557.334+/-0.911 χ^2/NDF:282037.4/9

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3656.455+/-0.990 χ^2/NDF:309182.2/7

Left: 3602.801+/-0.670 χ^2/NDF: 596650.1/17

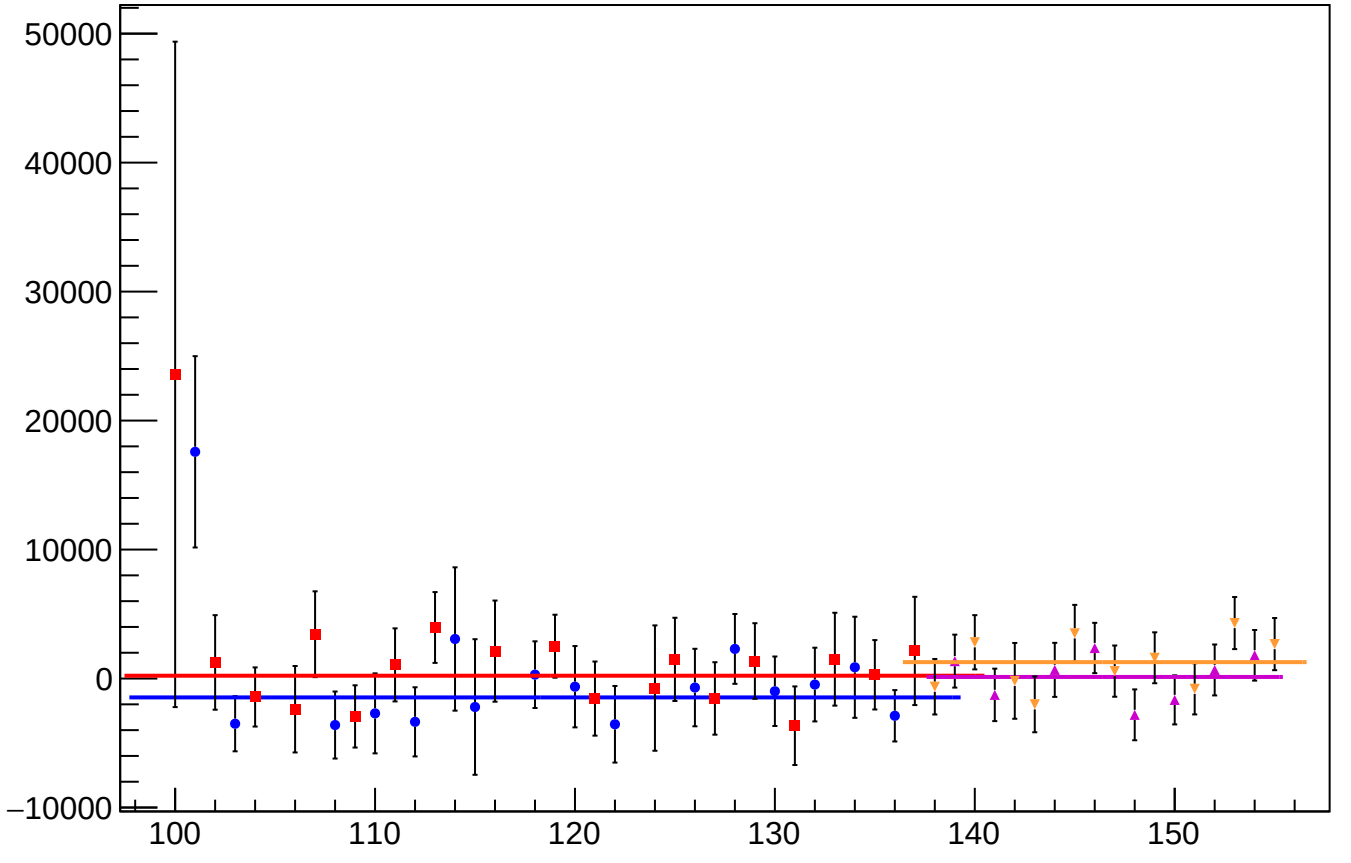
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3740.628+/-0.719 χ^2/NDF:1280813.9/23

Out: 3597.879+/-0.670 χ^2/NDF:1411335.5/28

All: 3664.245+/-0.490 χ^2/NDF: 2713246.4/52

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1272.827+/-669.566 χ^2/NDF:8.8/9

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: 122.782+/-703.660 χ^2/NDF:6.1/7

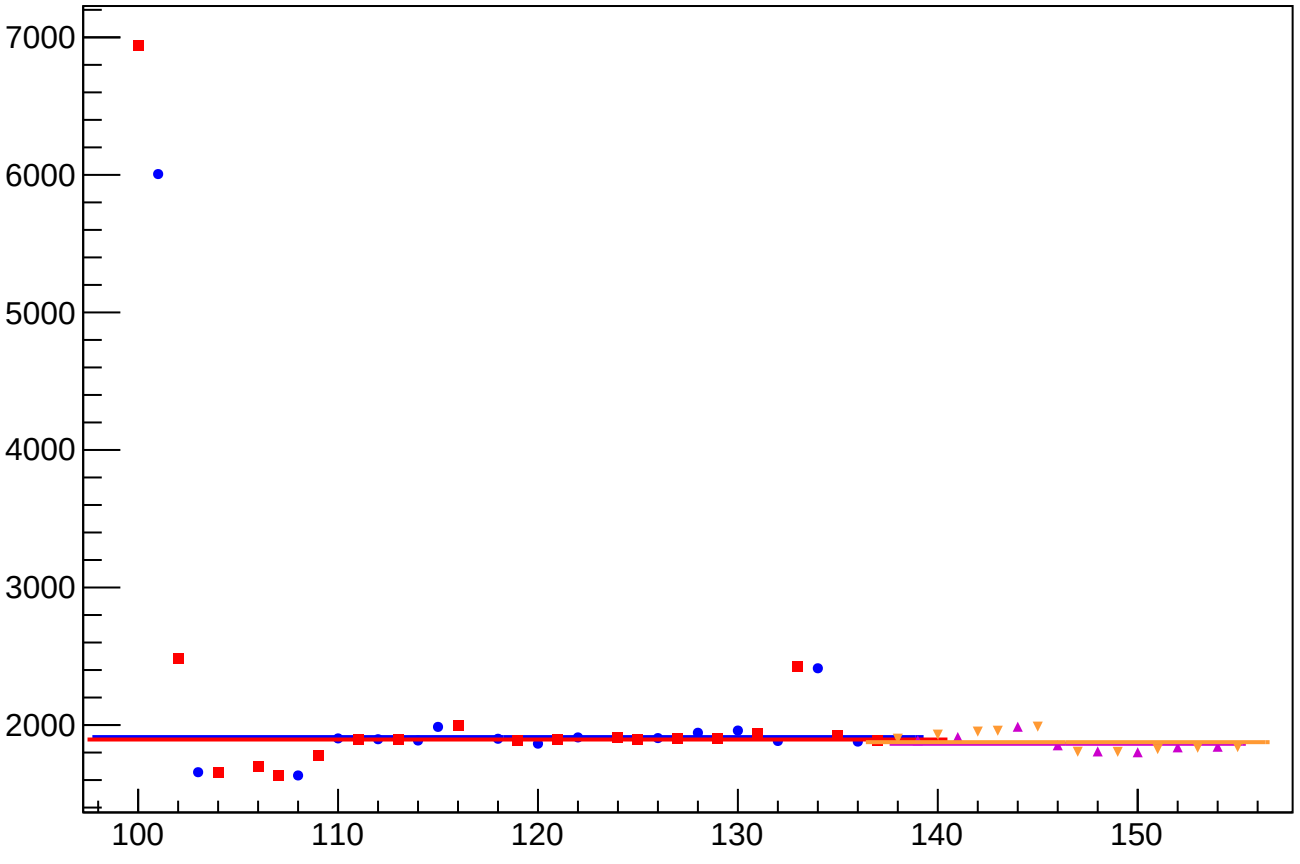
Left: 726.339+/-485.060 χ^2/NDF: 16.4/17

Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -642.684+/-506.041 χ^2/NDF:22.1/23

Out: 776.266+/-486.751 χ^2/NDF:20.8/28

All: 94.350+/-350.806 χ^2/NDF: 47.0/52



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1875.462+/-0.473 χ^2/NDF:18920.1/9

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1863.678+/-0.498 χ^2/NDF:12790.5/7

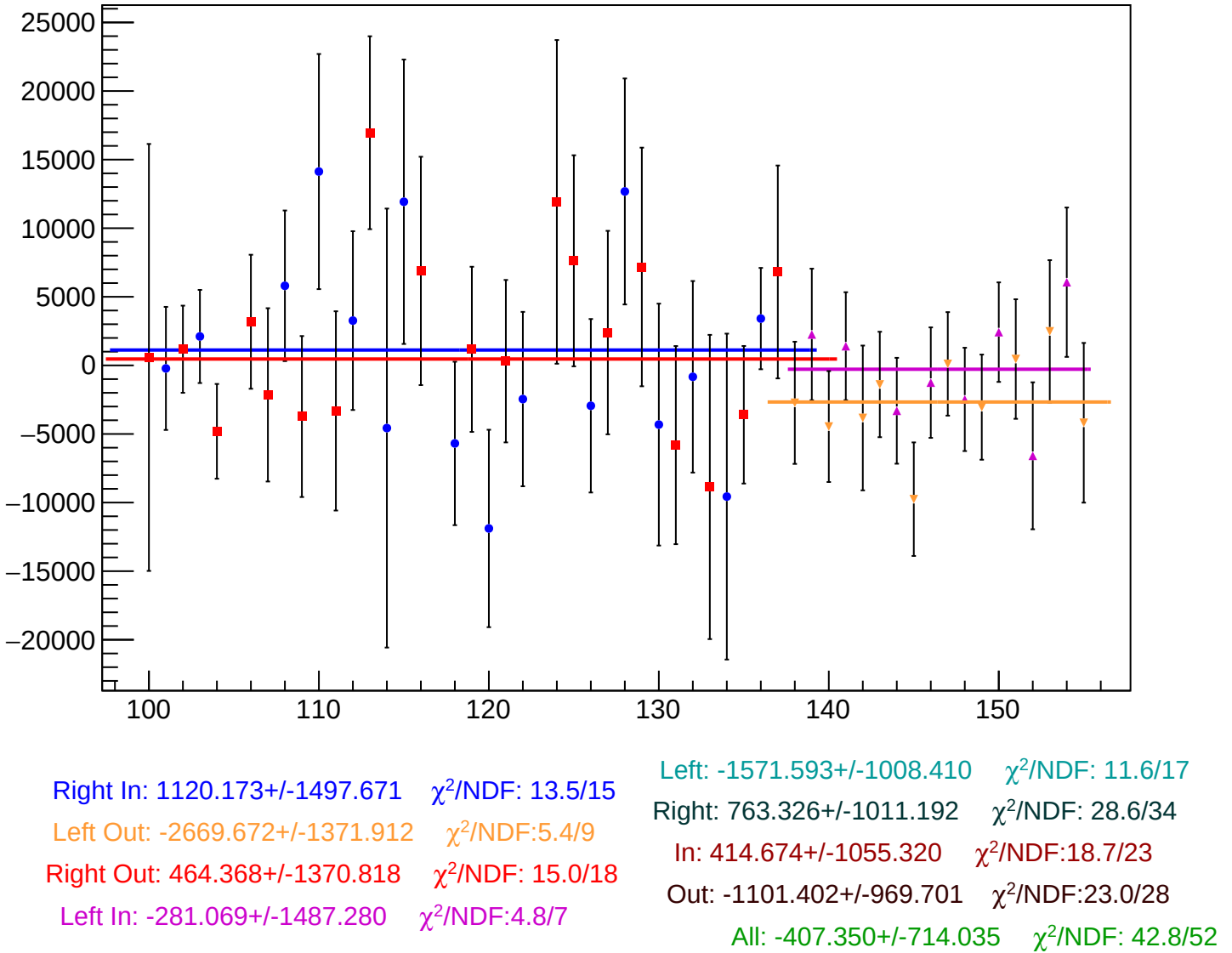
Left: 1869.863+/-0.343 χ^2/NDF: 32005.0/17

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

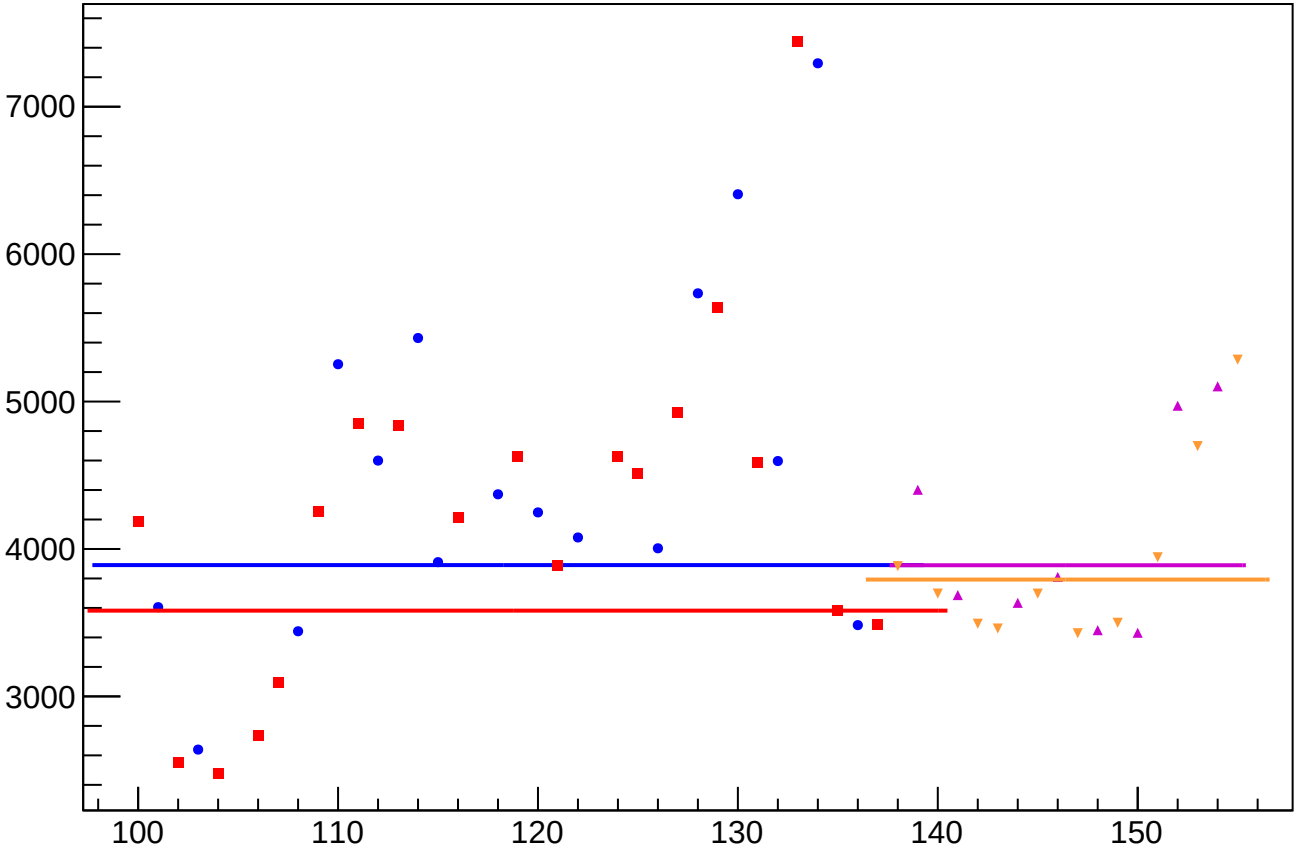
In: 1887.191+/-0.358 χ^2/NDF:713636.0/23

Out: 1884.574+/-0.344 χ^2/NDF:239486.3/28

All: 1885.831+/-0.248 χ^2/NDF: 953150.1/52


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 1120.173+/-1497.671 χ²/NDF: 13.5/15
Left Out: -2669.672+/-1371.912 χ²/NDF:5.4/9
Right Out: 464.368+/-1370.818 χ²/NDF: 15.0/18
Left In: -281.069+/-1487.280 χ²/NDF:4.8/7
Left: -1571.593+/-1008.410 χ²/NDF: 11.6/17
Right: 763.326+/-1011.192 χ²/NDF: 28.6/34
In: 414.674+/-1055.320 χ²/NDF:18.7/23
Out: -1101.402+/-969.701 χ²/NDF:23.0/28
All: -407.350+/-714.035 χ²/NDF: 42.8/52

asym_atr_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3792.557+/-0.970 χ^2/NDF:249257.6/9

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3889.741+/-1.052 χ^2/NDF:277863.3/7

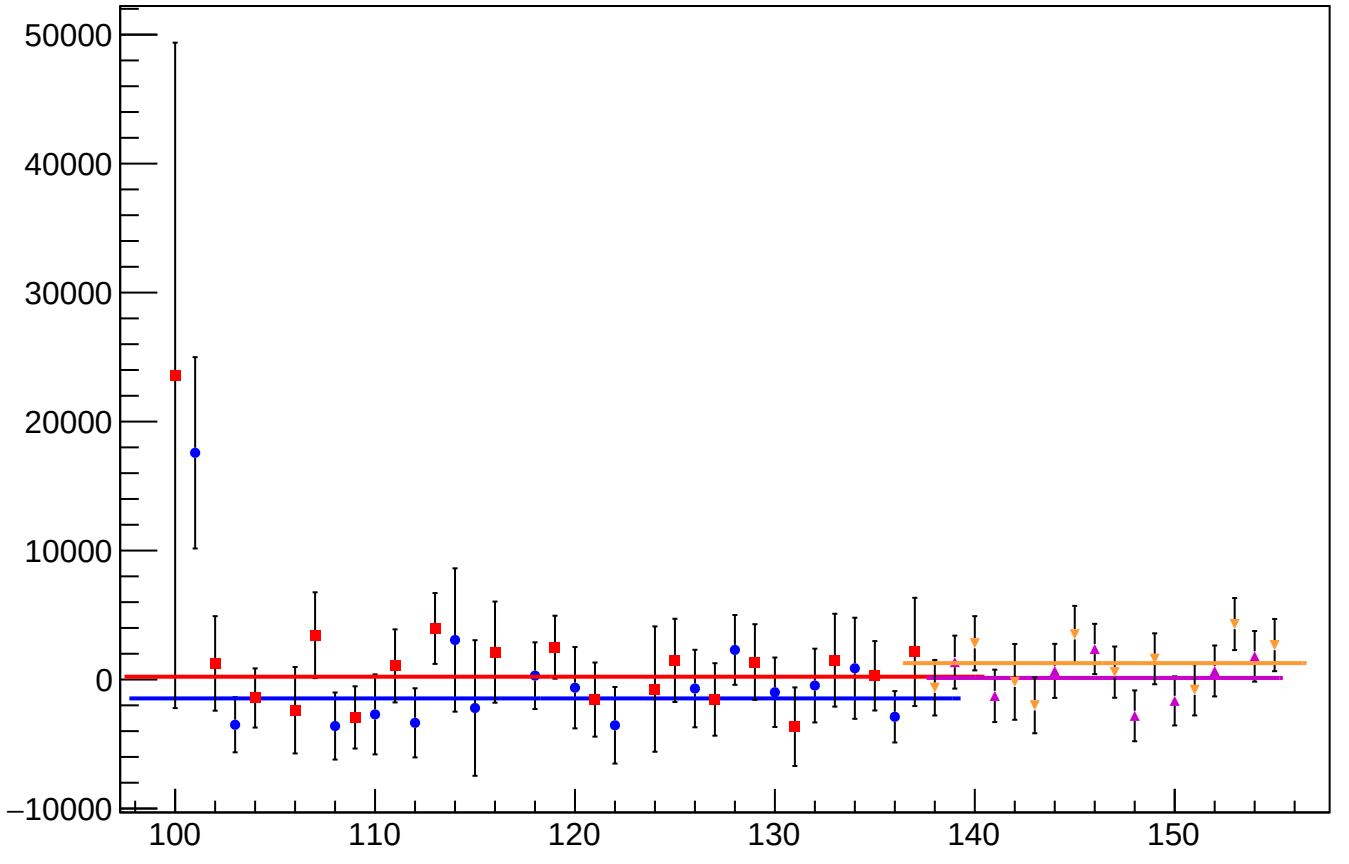
Left: 3837.234+/-0.713 χ^2/NDF: 531734.7/17

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 3890.221+/-0.746 χ^2/NDF:1156281.9/23

Out: 3687.084+/-0.686 χ^2/NDF:1494736.0/28

All: 3780.079+/-0.505 χ^2/NDF: 2691197.2/52



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1272.831+/-669.567 χ^2/NDF:8.8/9

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: 122.786+/-703.660 χ^2/NDF:6.1/7

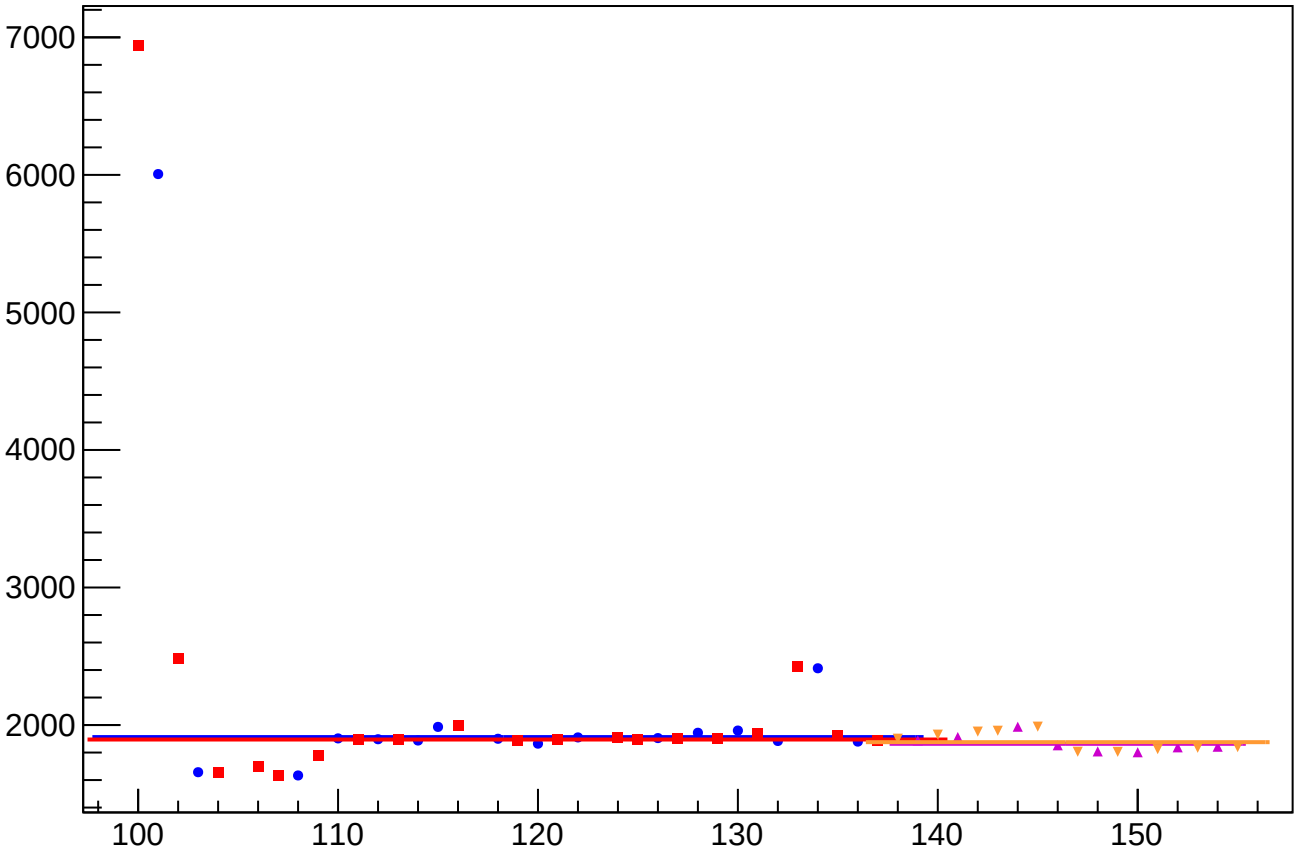
Left: 726.343+/-485.060 χ^2/NDF: 16.4/17

Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -642.685+/-506.041 χ^2/NDF:22.1/23

Out: 776.265+/-486.751 χ^2/NDF:20.8/28

All: 94.350+/-350.806 χ^2/NDF: 47.0/52



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1875.463+/-0.473 χ^2/NDF:18920.2/9

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1863.679+/-0.498 χ^2/NDF:12790.4/7

Left: 1869.863+/-0.343 χ^2/NDF: 32005.0/17

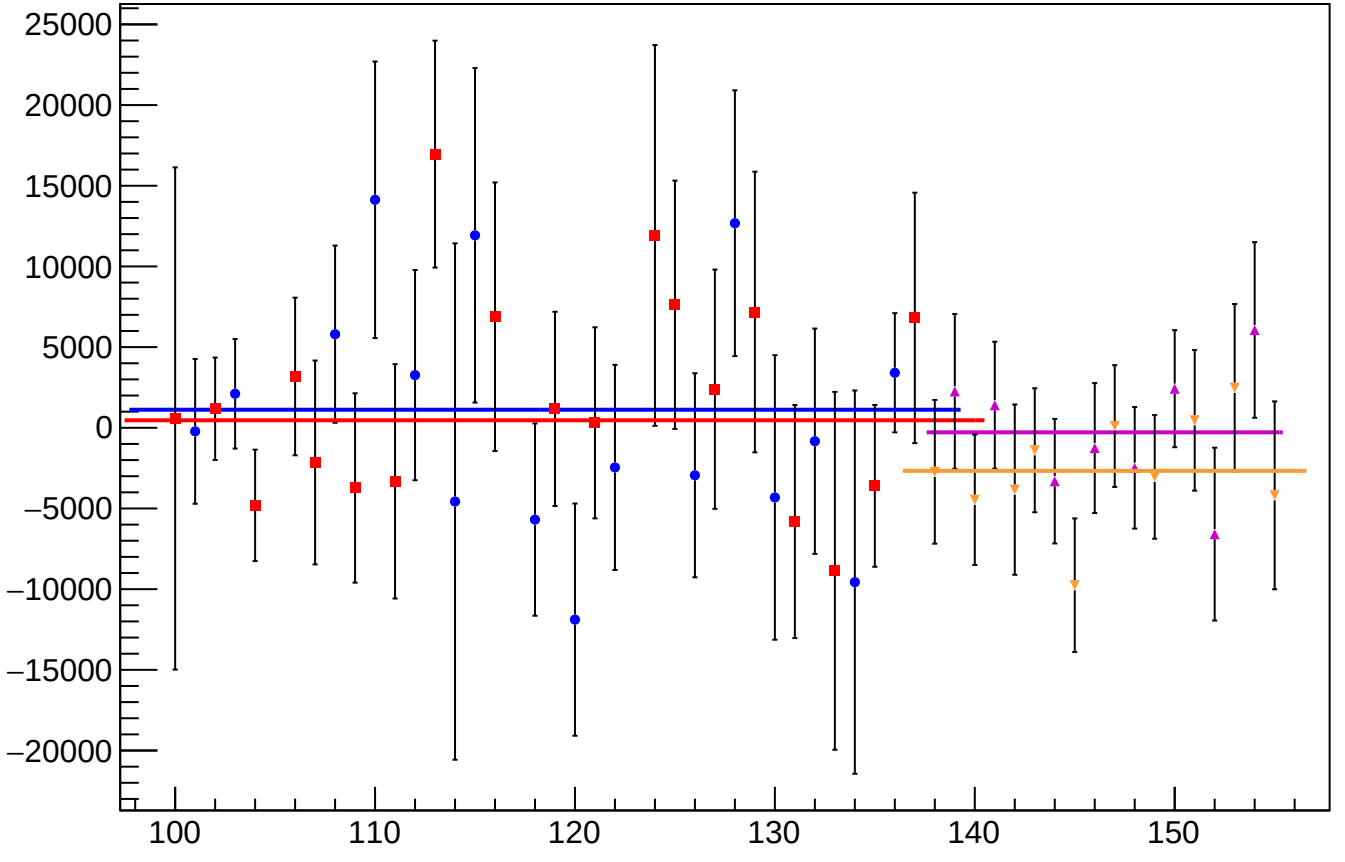
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1887.192+/-0.358 χ^2/NDF:713635.8/23

Out: 1884.574+/-0.344 χ^2/NDF:239486.3/28

All: 1885.832+/-0.248 χ^2/NDF: 953149.9/52

asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -2669.671+/-1371.914 χ^2/NDF:5.4/9

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -281.066+/-1487.281 χ^2/NDF:4.8/7

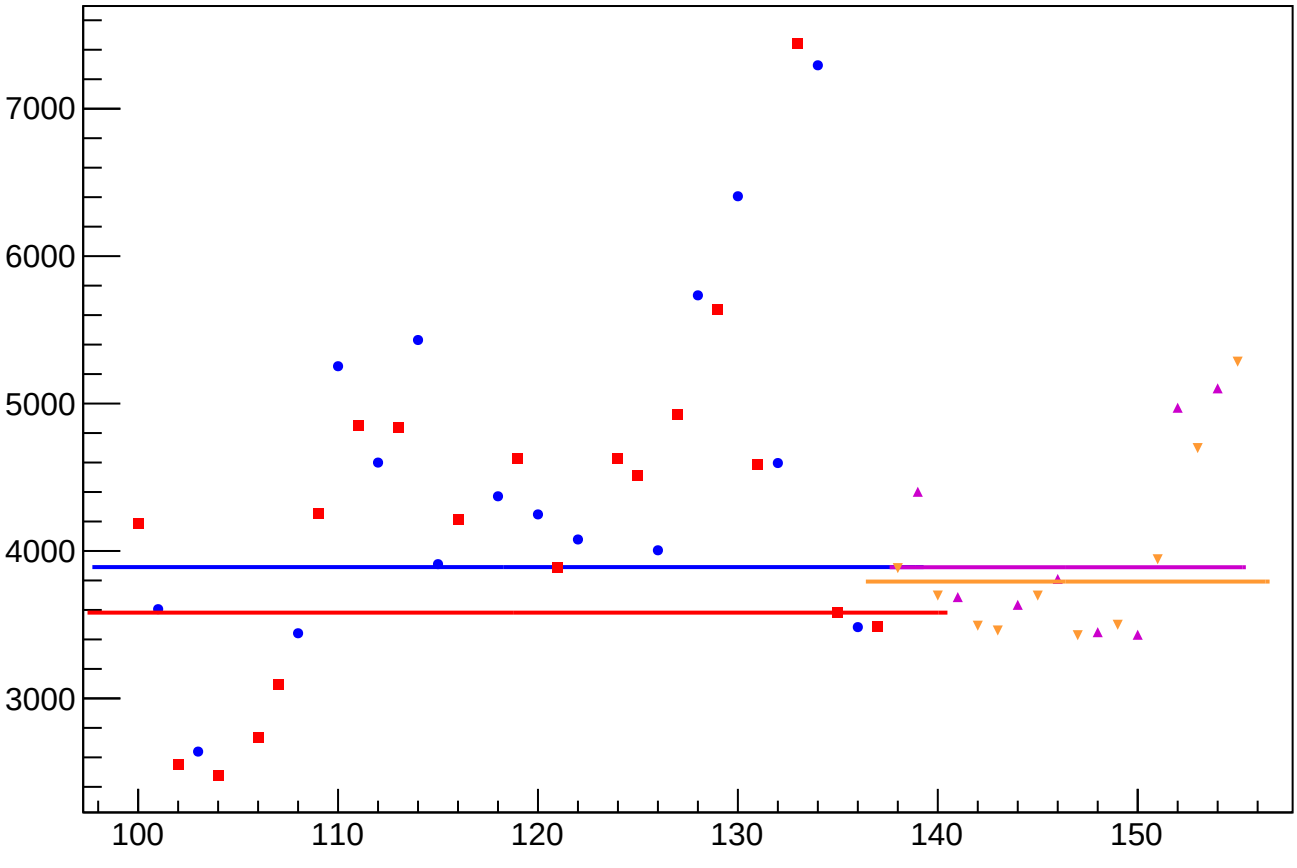
Left: -1571.591+/-1008.412 χ^2/NDF: 11.6/17

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 414.670+/-1055.320 χ^2/NDF:18.7/23

Out: -1101.398+/-969.701 χ^2/NDF:23.0/28

All: -407.349+/-714.035 χ^2/NDF: 42.8/52



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3792.562+/-0.970 χ^2/NDF:249256.7/9

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 3889.746+/-1.052 χ^2/NDF:277862.4/7

Left: 3837.239+/-0.713 χ^2/NDF: 531732.8/17

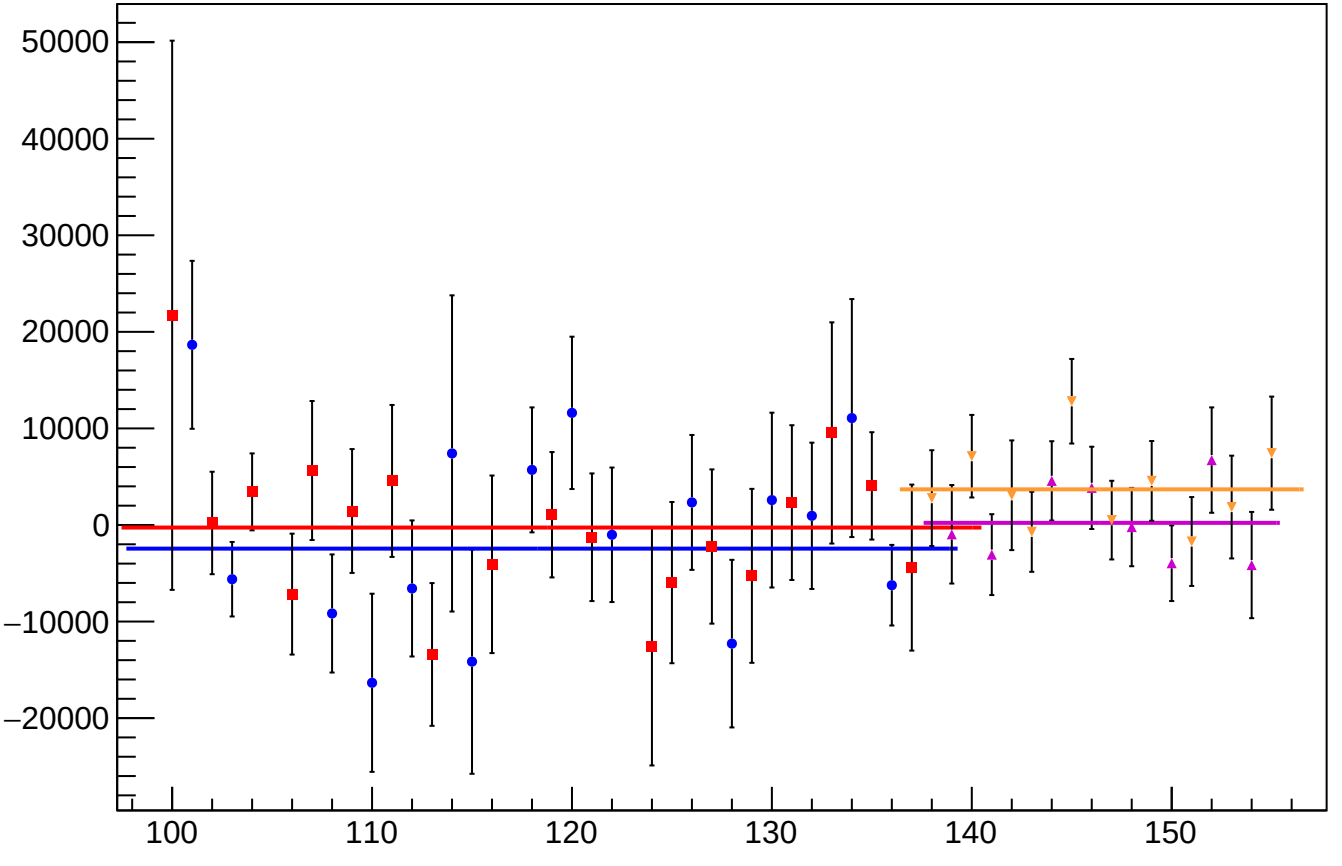
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3890.222+/-0.746 χ^2/NDF:1156272.0/23

Out: 3687.085+/-0.686 χ^2/NDF:1494728.2/28

All: 3780.080+/-0.505 χ^2/NDF: 2691179.7/52

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 3691.105+/-1462.863 χ^2/NDF:8.7/9

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 219.970+/-1576.340 χ^2/NDF:5.7/7

Left: 2084.961+/-1072.276 χ^2/NDF: 17.0/17

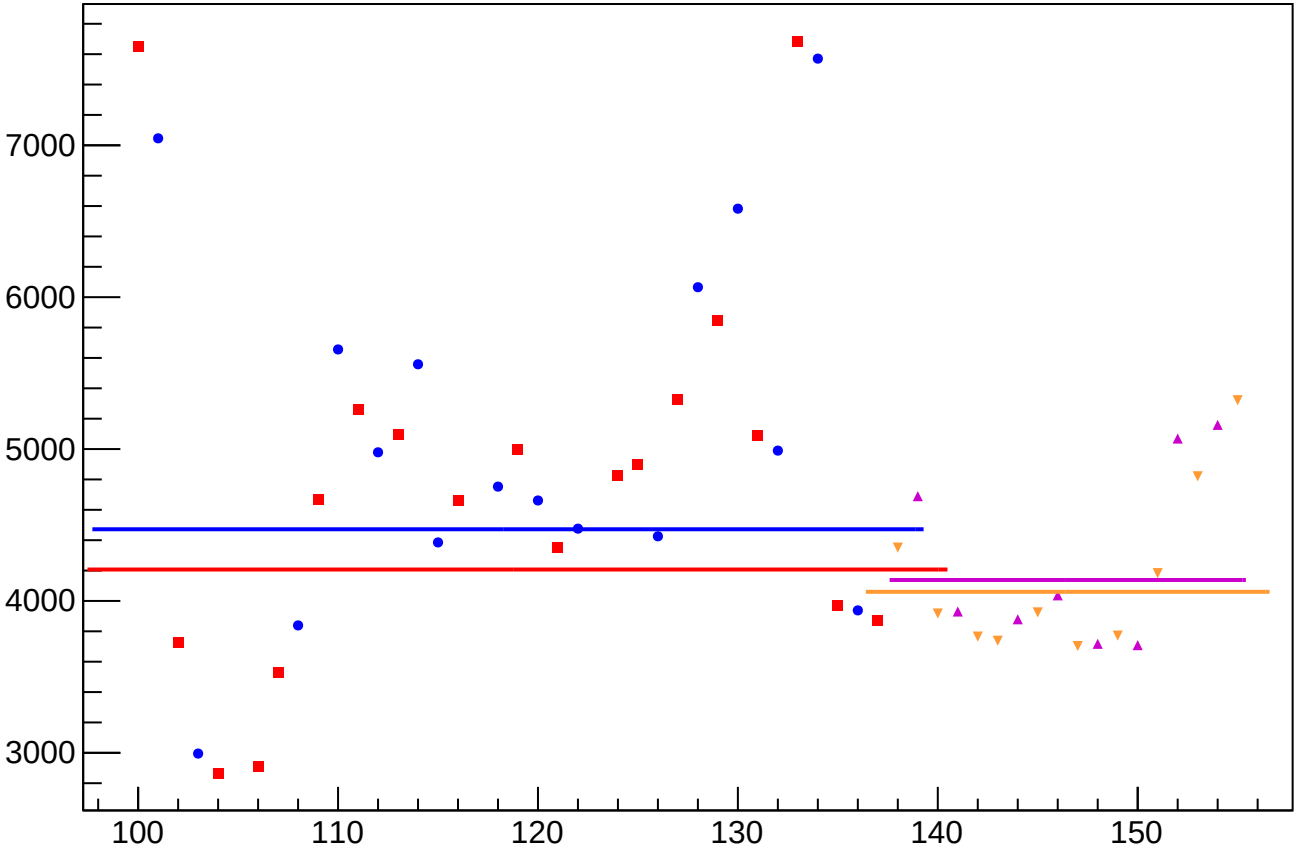
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -998.317+/-1162.021 χ^2/NDF:27.9/23

Out: 1916.887+/-1086.490 χ^2/NDF:22.7/28

All: 557.102+/-793.624 χ^2/NDF: 53.9/52

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4060.213+/-1.034 χ^2/NDF:188601.7/9

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4138.029+/-1.115 χ^2/NDF:210000.9/7

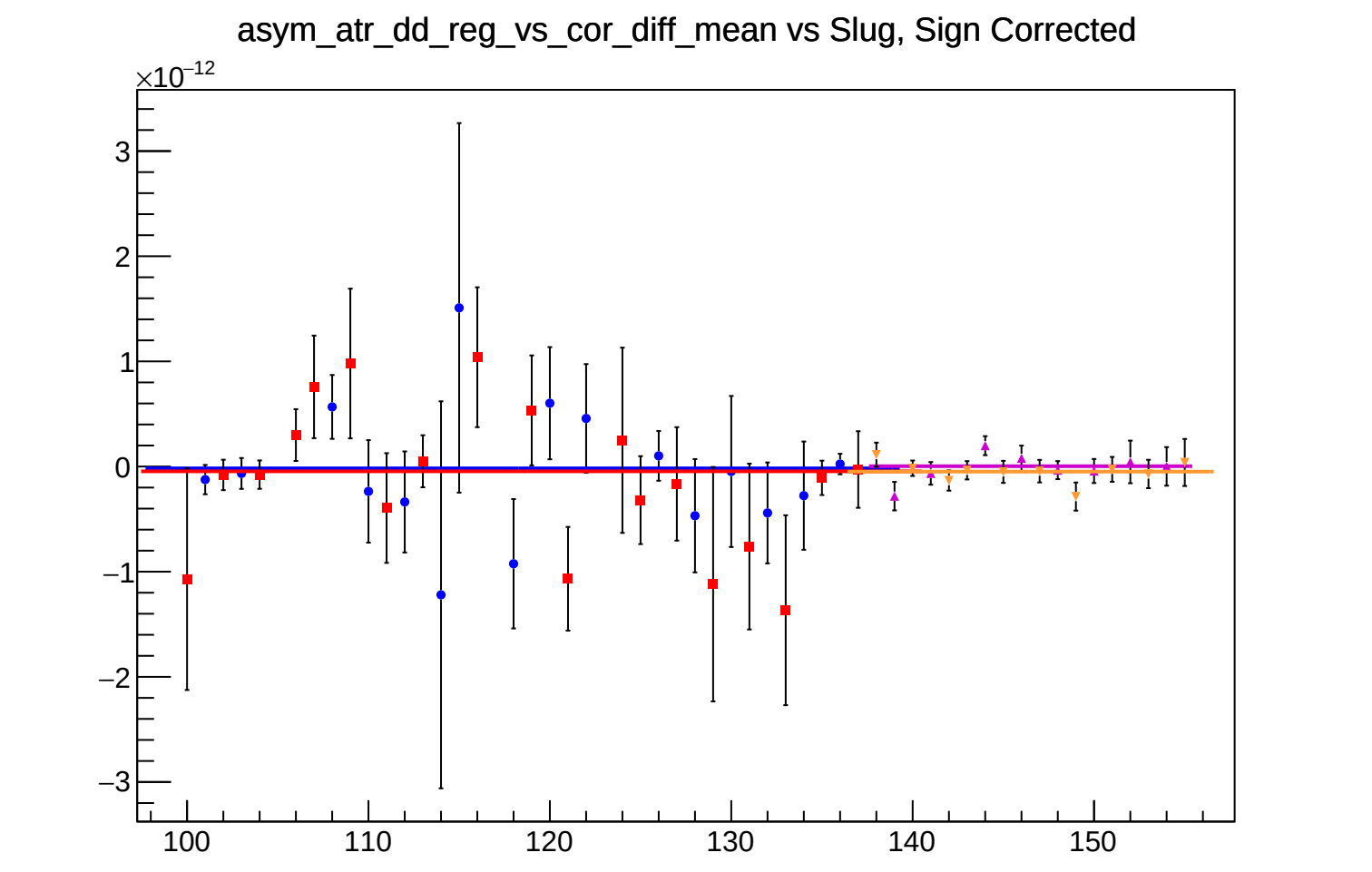
Left: 4096.219+/-0.758 χ^2/NDF: 401221.3/17

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4290.473+/-0.822 χ^2/NDF:1142645.4/23

Out: 4126.582+/-0.765 χ^2/NDF:1044226.1/28

All: 4202.727+/-0.560 χ^2/NDF: 2208171.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/7

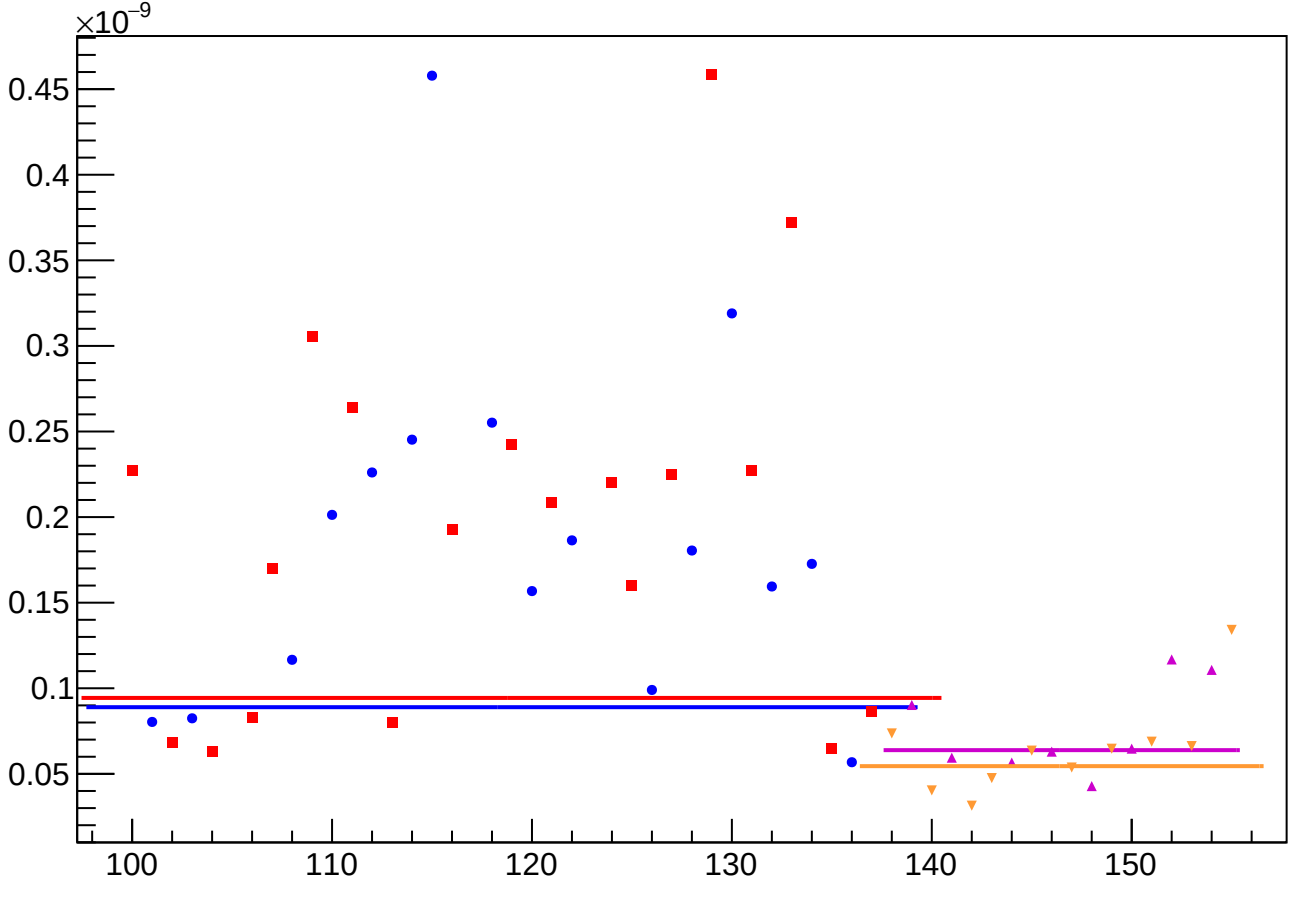
Left: -0.000+/-0.000 χ^2/NDF: 17.6/17

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:23.1/23

Out: -0.000+/-0.000 χ^2/NDF:27.6/28

All: -0.000+/-0.000 χ^2/NDF: 51.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:583195.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:480259.1/7

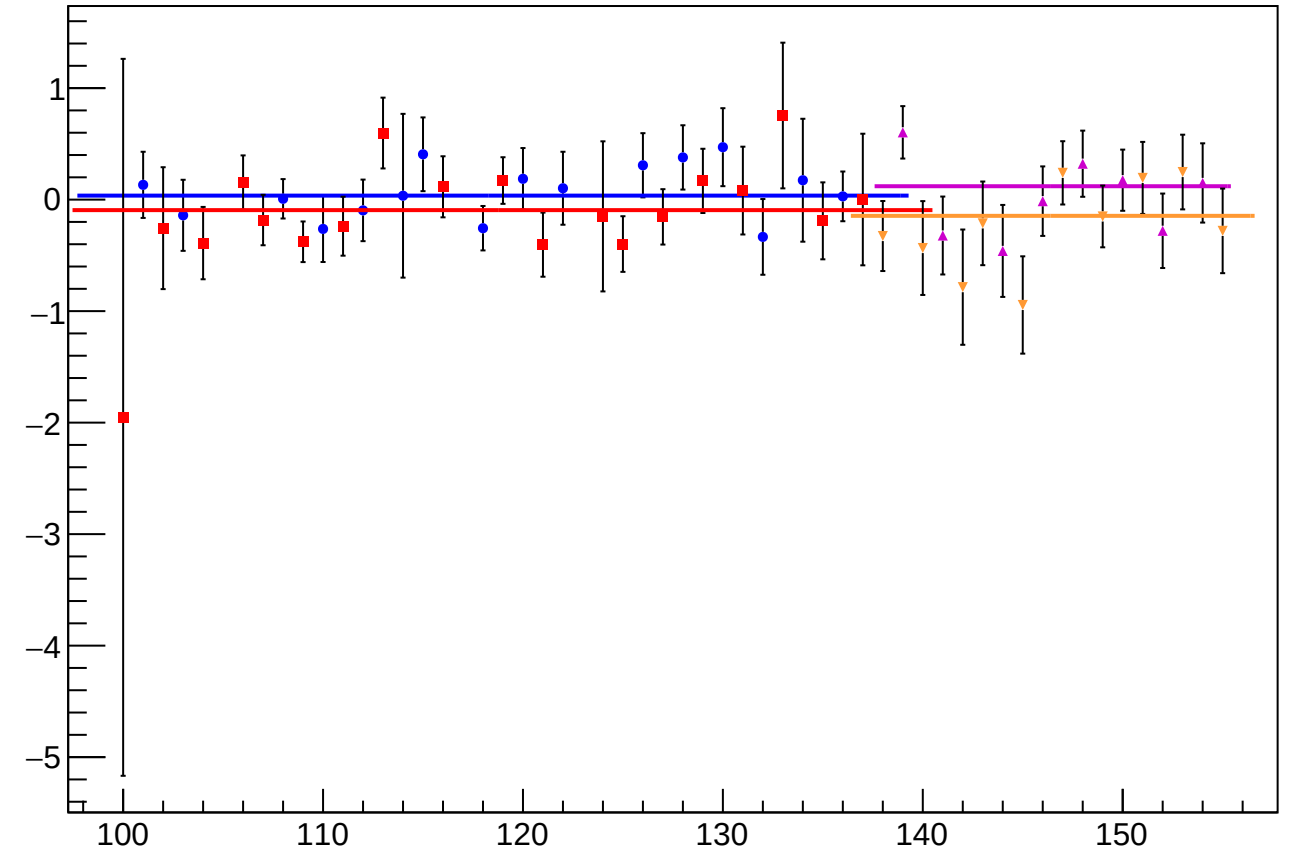
Left: 0.000+/-0.000 χ^2/NDF: 1125888.1/17

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:1941676.8/23

Out: 0.000+/-0.000 χ^2/NDF:2828958.9/28

All: 0.000+/-0.000 χ^2/NDF: 4852967.7/52



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.145+/-0.110 χ^2/NDF:10.2/9

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.120+/-0.109 χ^2/NDF:9.9/7

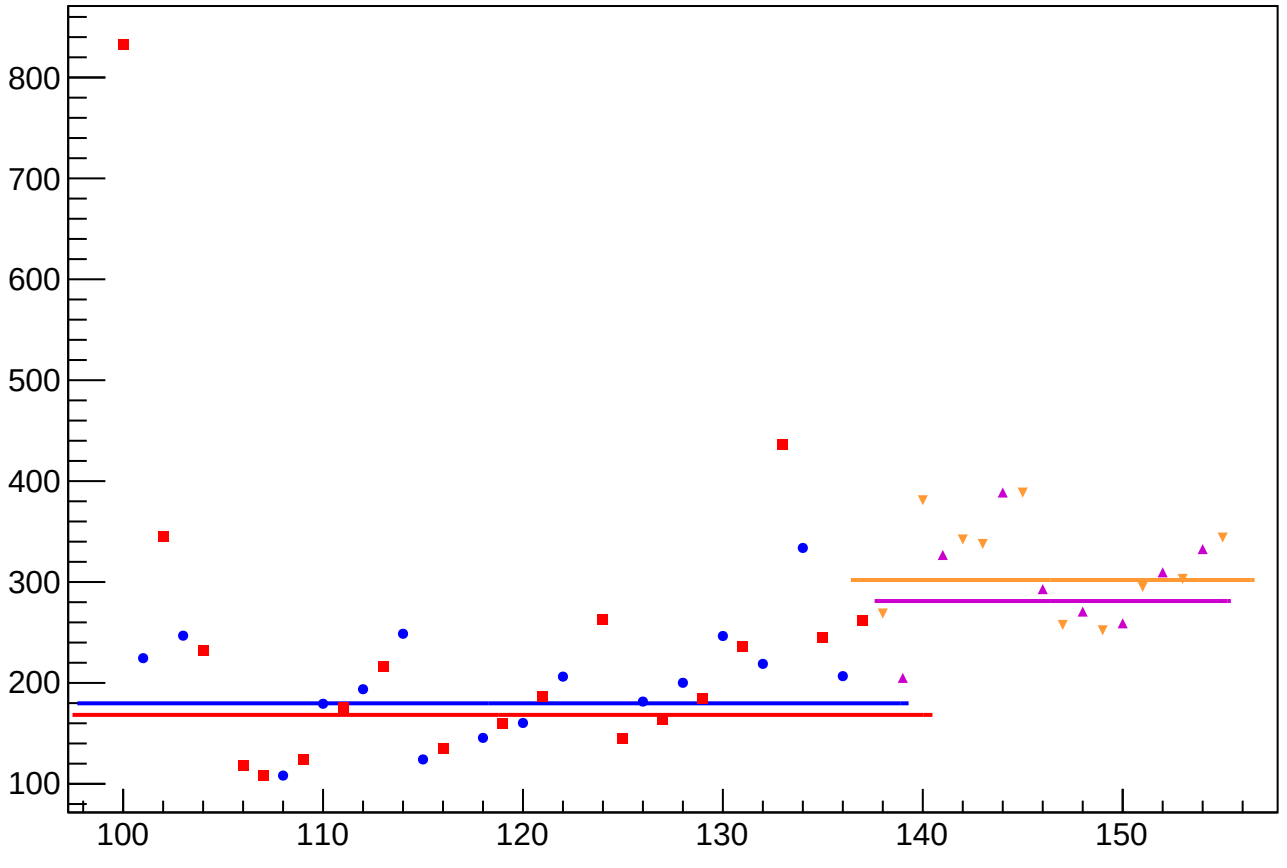
Left: -0.012+/-0.077 χ^2/NDF: 23.1/17

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.061+/-0.059 χ^2/NDF:20.9/23

Out: -0.108+/-0.058 χ^2/NDF:28.0/28

All: -0.026+/-0.041 χ^2/NDF: 53.0/52



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 302.012+/-0.078 χ^2/NDF:341506.0/9

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 281.171+/-0.077 χ^2/NDF:454802.6/7

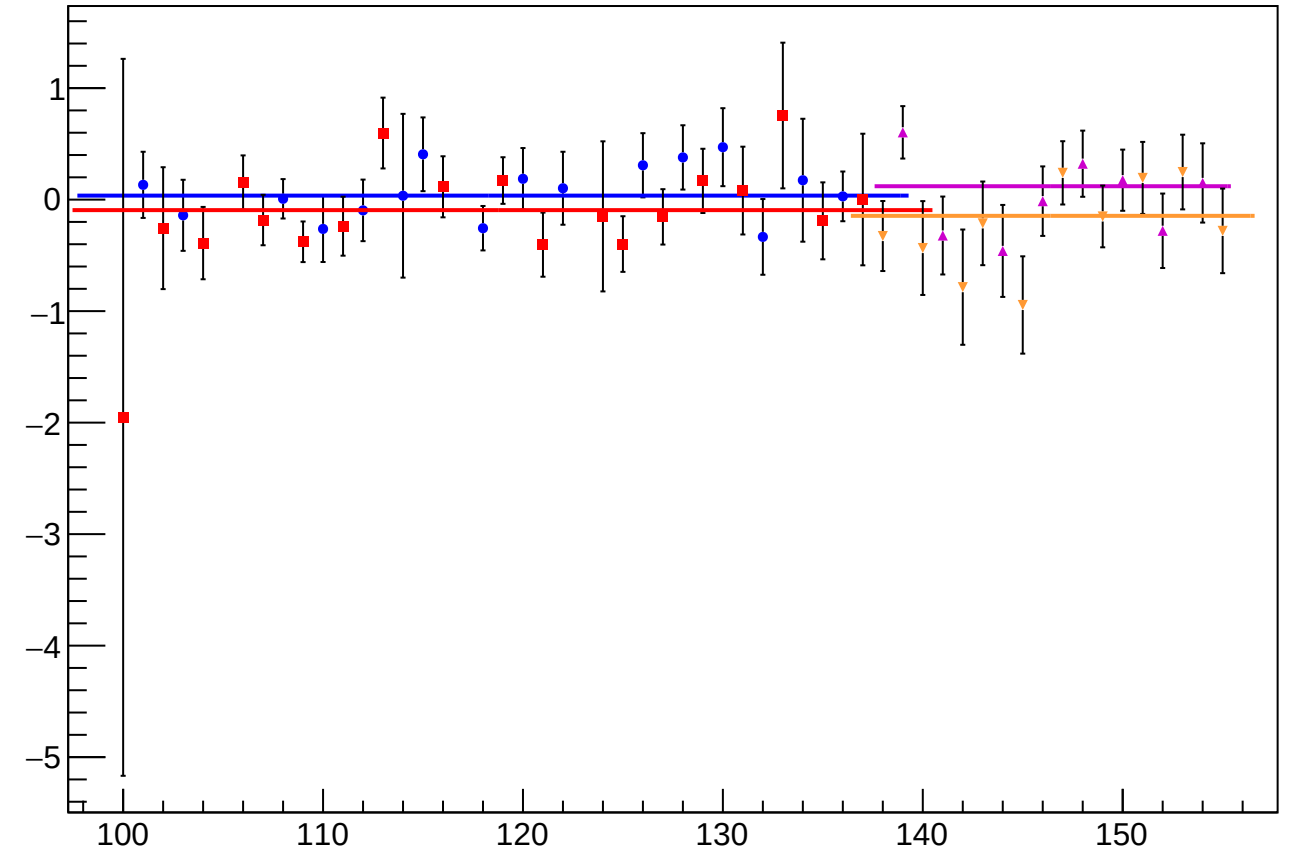
Left: 291.517+/-0.055 χ^2/NDF: 832532.0/17

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 209.702+/-0.042 χ^2/NDF:2590537.1/23

Out: 205.058+/-0.041 χ^2/NDF:3897220.1/28

All: 207.314+/-0.029 χ^2/NDF: 6494070.4/52



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.145+/-0.110 χ^2/NDF:10.2/9

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.120+/-0.109 χ^2/NDF:9.9/7

Left: -0.012+/-0.077 χ^2/NDF: 23.1/17

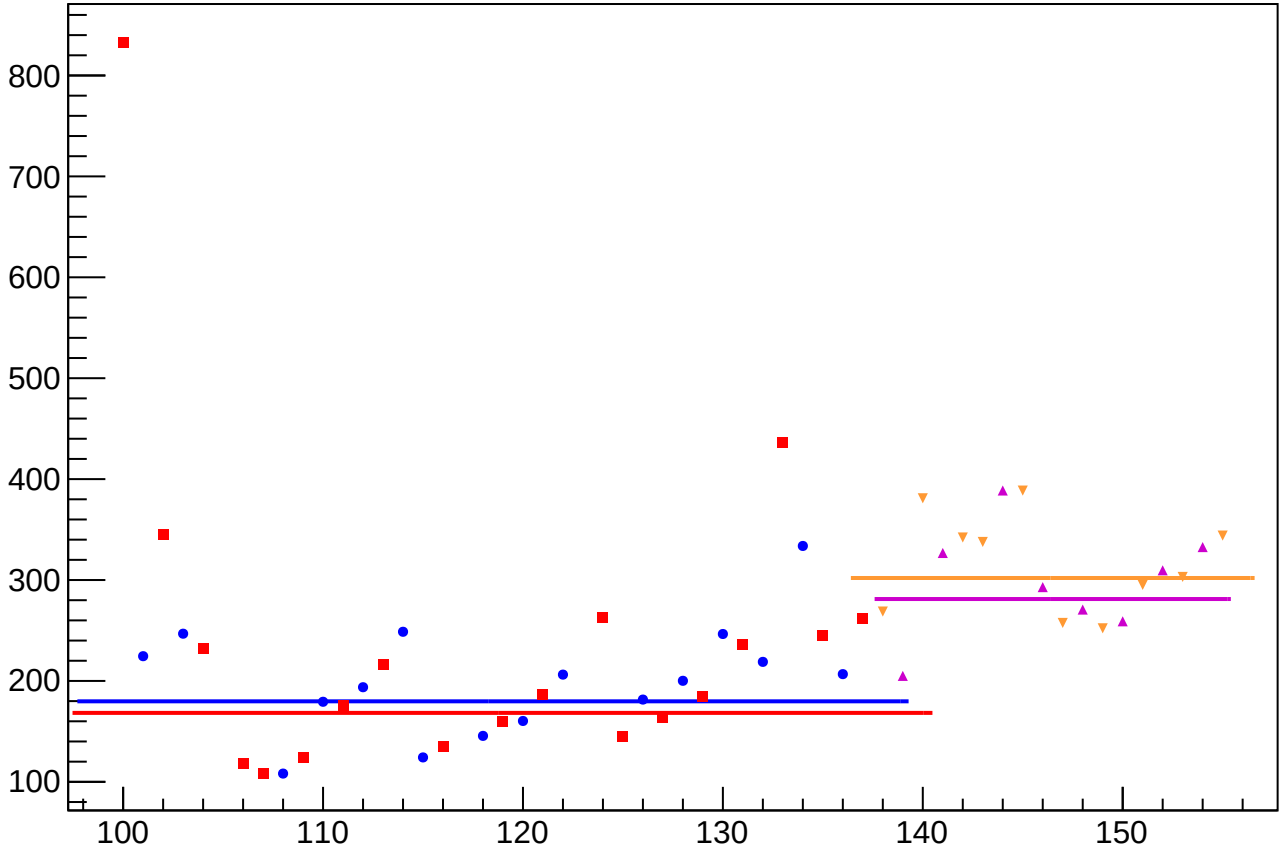
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.061+/-0.059 χ^2/NDF:20.9/23

Out: -0.108+/-0.058 χ^2/NDF:28.0/28

All: -0.026+/-0.041 χ^2/NDF: 53.0/52

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: 302.012+/-0.078 χ^2/NDF:341506.0/9

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 281.171+/-0.077 χ^2/NDF:454802.6/7

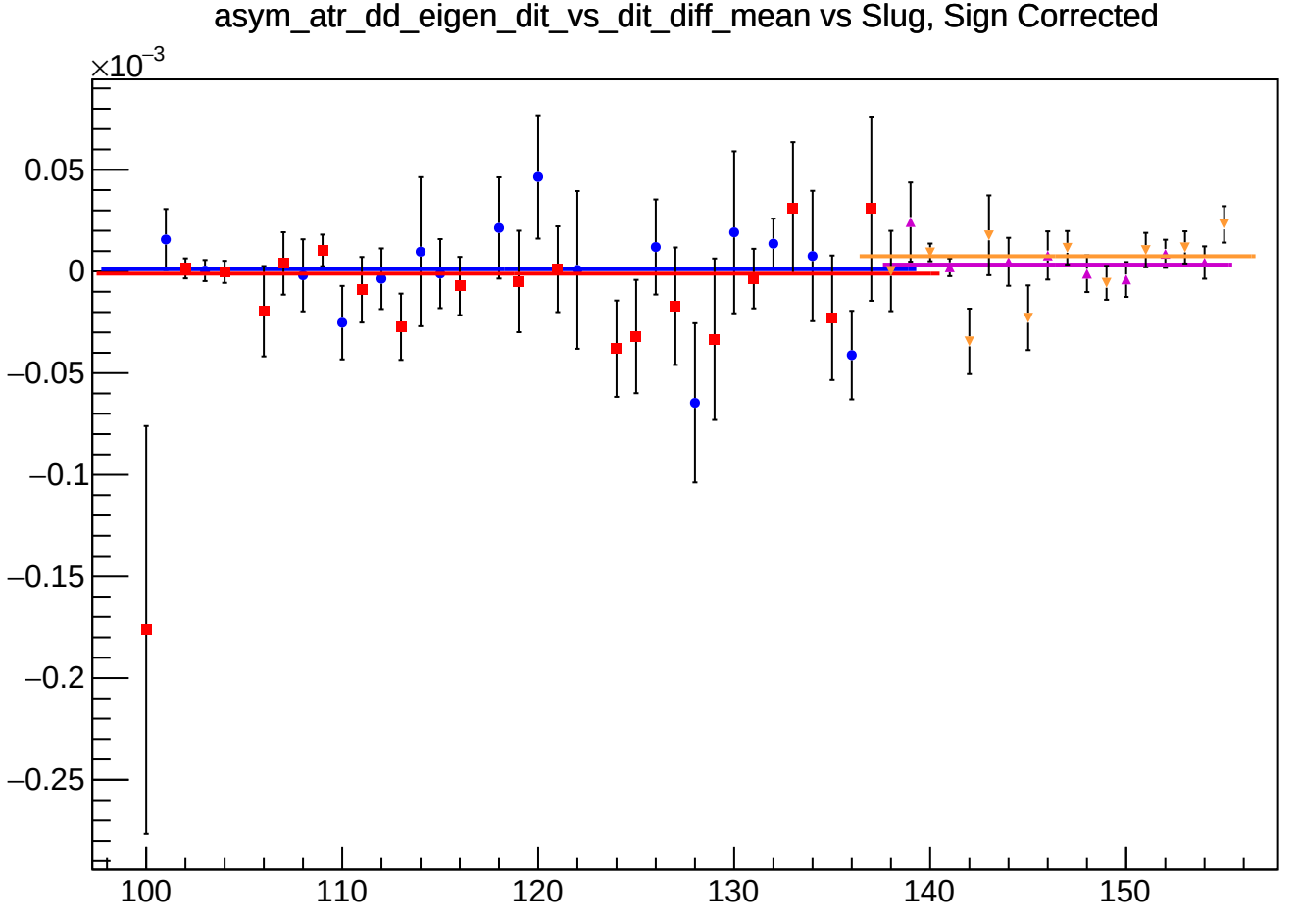
Left: 291.517+/-0.055 χ^2/NDF: 832532.0/17

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 209.702+/-0.042 χ^2/NDF:2590537.1/23

Out: 205.058+/-0.041 χ^2/NDF:3897220.1/28

All: 207.314+/-0.029 χ^2/NDF: 6494070.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:3.0/7

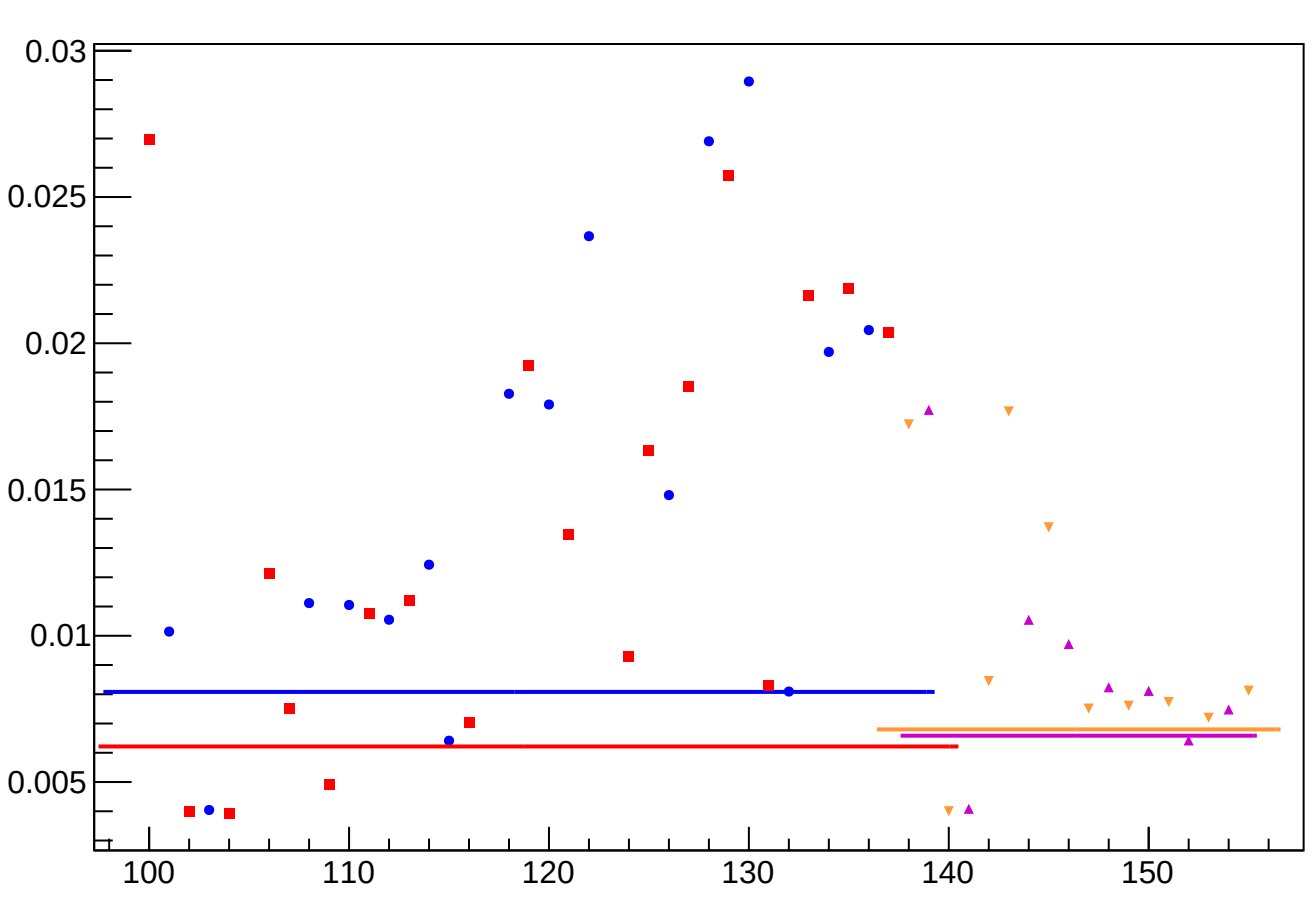
Left: 0.000+/-0.000 χ^2/NDF: 21.3/17

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:17.5/23

Out: 0.000+/-0.000 χ^2/NDF:38.1/28

All: 0.000+/-0.000 χ^2/NDF: 55.6/52



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:2497142.2/9

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:1836714.6/7

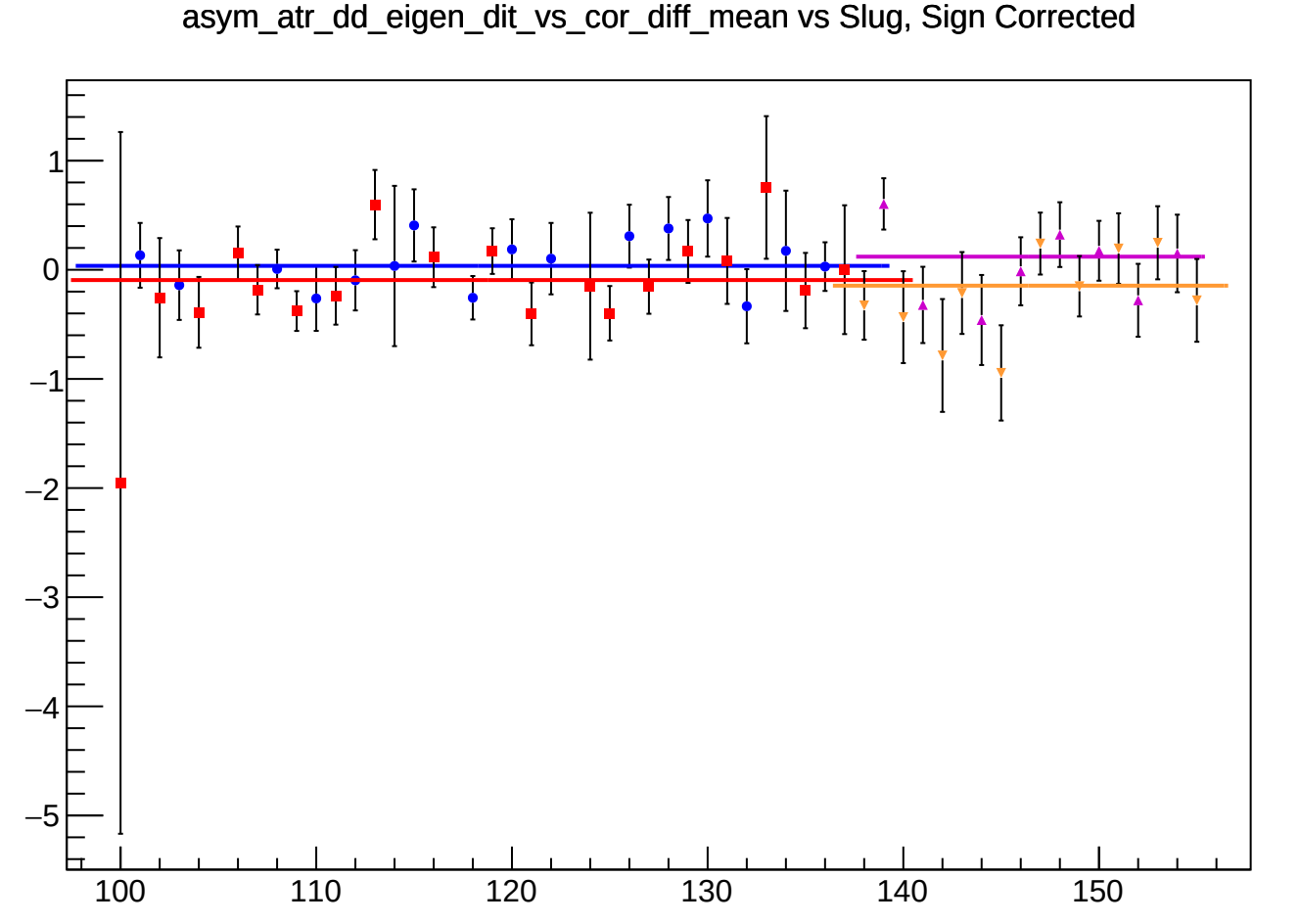
Left: 0.007+/-0.000 χ^2/NDF: 4340097.1/17

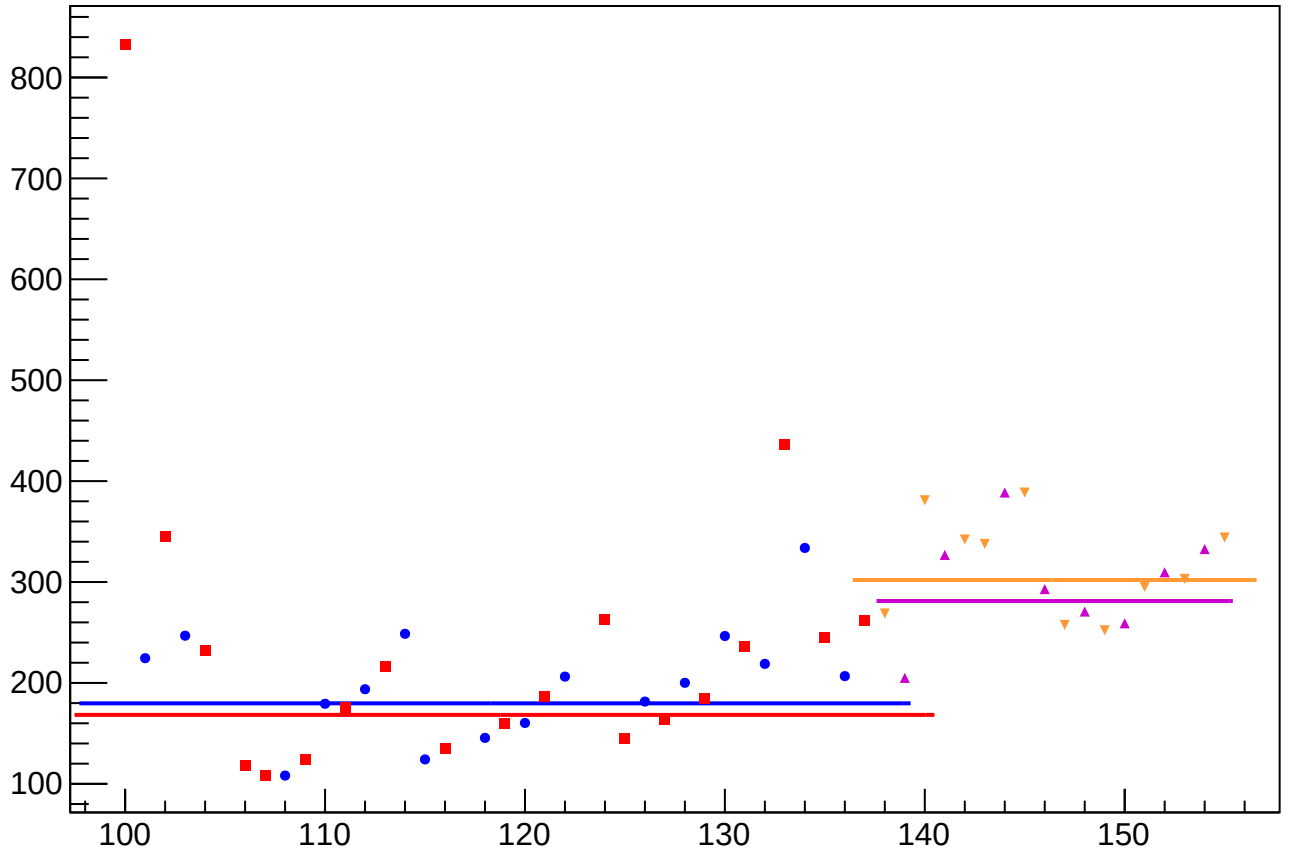
Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:6460090.0/23

Out: 0.007+/-0.000 χ^2/NDF:7102945.9/28

All: 0.007+/-0.000 χ^2/NDF: 13644560.1/52


asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
Right In: 0.036+/-0.071 χ²/NDF: 10.5/15
Left Out: -0.145+/-0.110 χ²/NDF:10.2/9
Right Out: -0.094+/-0.068 χ²/NDF: 17.6/18
Left In: 0.120+/-0.109 χ²/NDF:9.9/7
Left: -0.012+/-0.077 χ²/NDF: 23.1/17
Right: -0.032+/-0.049 χ²/NDF: 29.9/34
In: 0.061+/-0.059 χ²/NDF:20.9/23
Out: -0.108+/-0.058 χ²/NDF:28.0/28
All: -0.026+/-0.041 χ²/NDF: 53.0/52



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 302.016+/-0.078 χ^2/NDF:341487.1/9

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 281.175+/-0.077 χ^2/NDF:454773.1/7

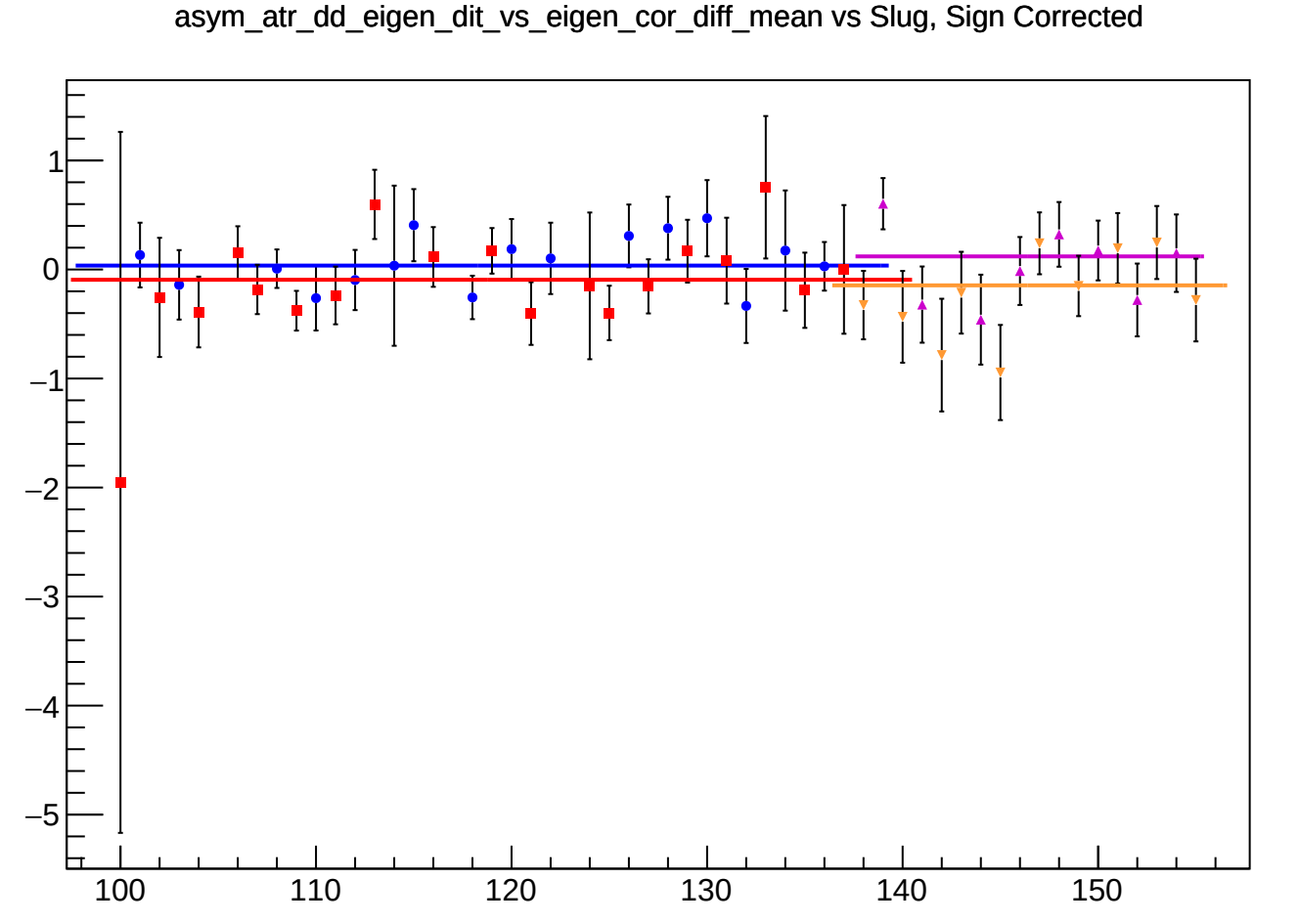
Left: 291.521+/-0.055 χ^2/NDF: 832483.4/17

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 209.700+/-0.042 χ^2/NDF:2590693.8/23

Out: 205.059+/-0.041 χ^2/NDF:3897292.2/28

All: 207.313+/-0.029 χ^2/NDF: 6494293.8/52



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.145+/-0.110 χ^2/NDF:10.2/9

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.120+/-0.109 χ^2/NDF:9.9/7

Left: -0.012+/-0.077 χ^2/NDF: 23.1/17

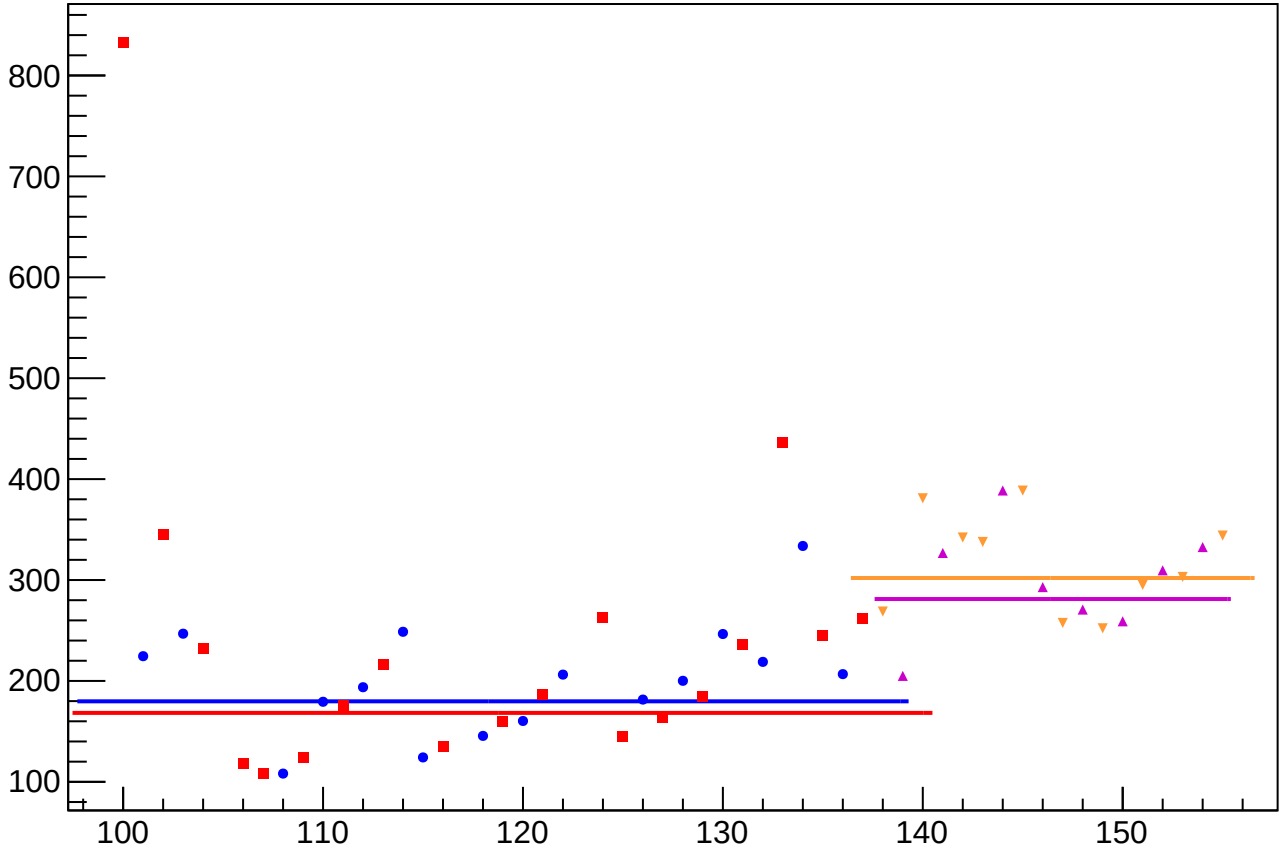
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.061+/-0.059 χ^2/NDF:20.9/23

Out: -0.108+/-0.058 χ^2/NDF:28.0/28

All: -0.026+/-0.041 χ^2/NDF: 53.0/52

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: 302.016+/-0.078 χ^2/NDF:341487.1/9

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 281.175+/-0.077 χ^2/NDF:454773.1/7

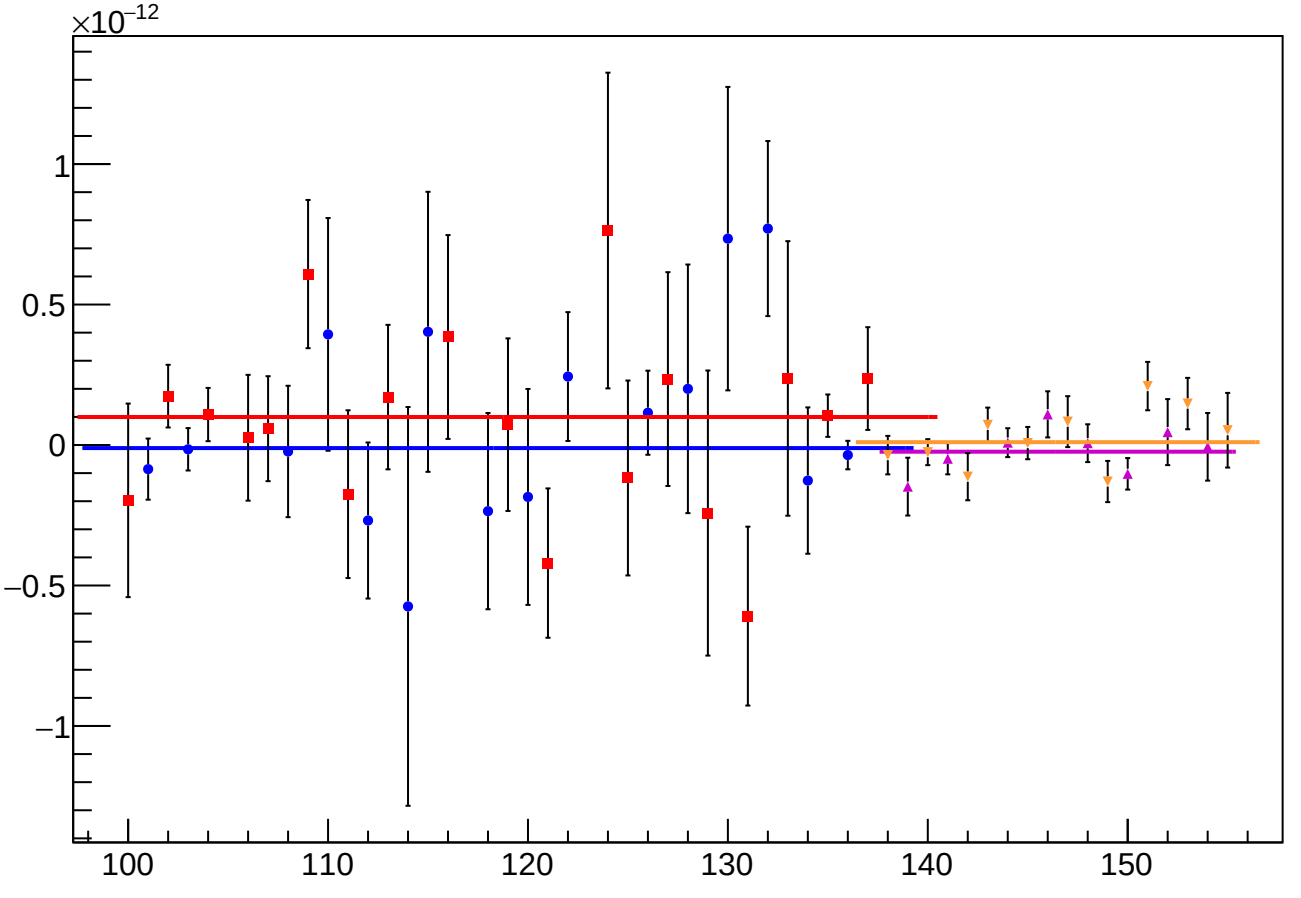
Left: 291.521+/-0.055 χ^2/NDF: 832483.4/17

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 209.700+/-0.042 χ^2/NDF:2590693.8/23

Out: 205.059+/-0.041 χ^2/NDF:3897292.2/28

All: 207.313+/-0.029 χ^2/NDF: 6494293.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/7

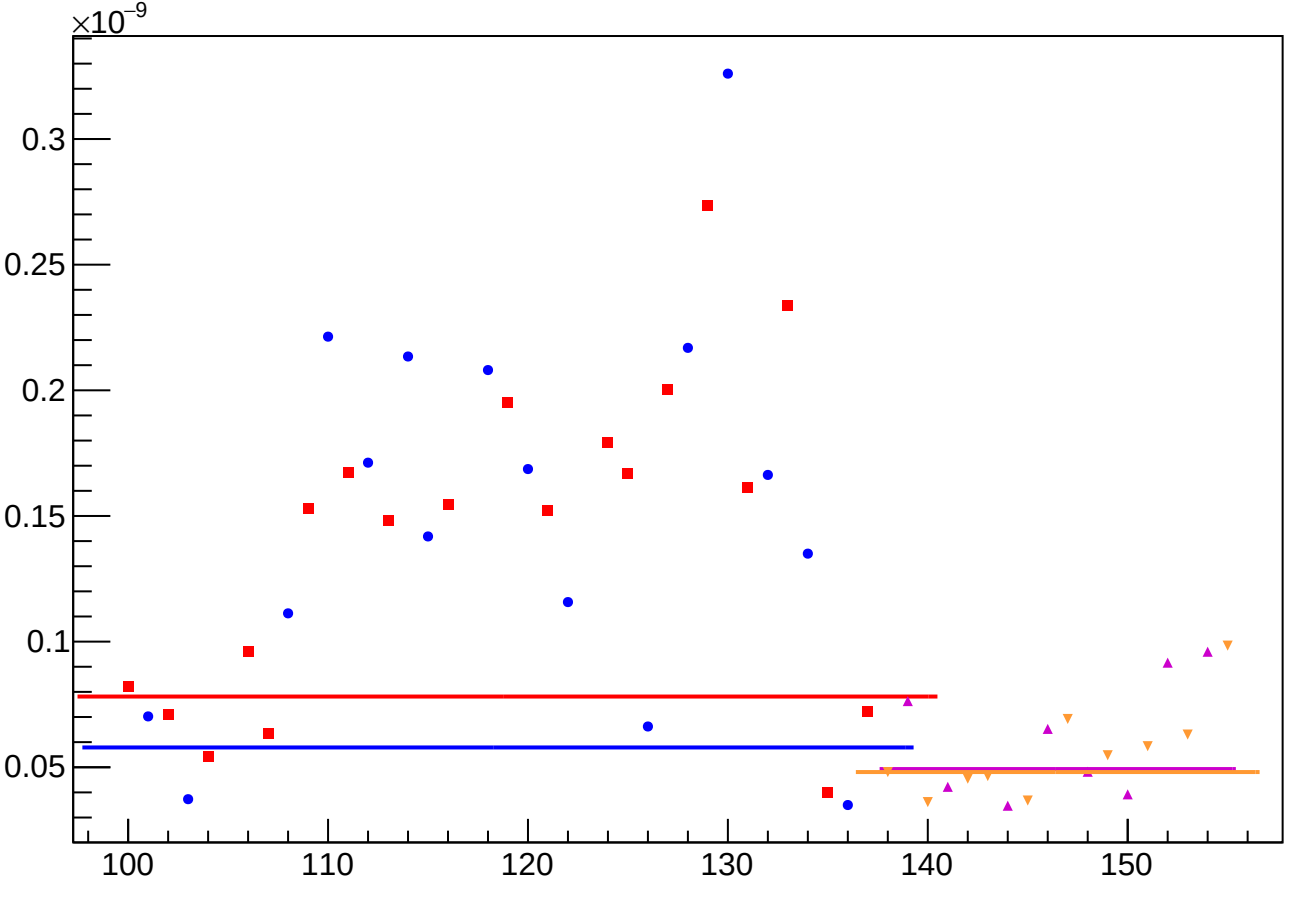
Left: -0.000+/-0.000 χ^2/NDF: 24.5/17

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:22.3/23

Out: 0.000+/-0.000 χ^2/NDF:38.2/28

All: 0.000+/-0.000 χ^2/NDF: 63.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:708512.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1032110.0/7

Left: 0.000+/-0.000 χ^2/NDF: 1743155.8/17

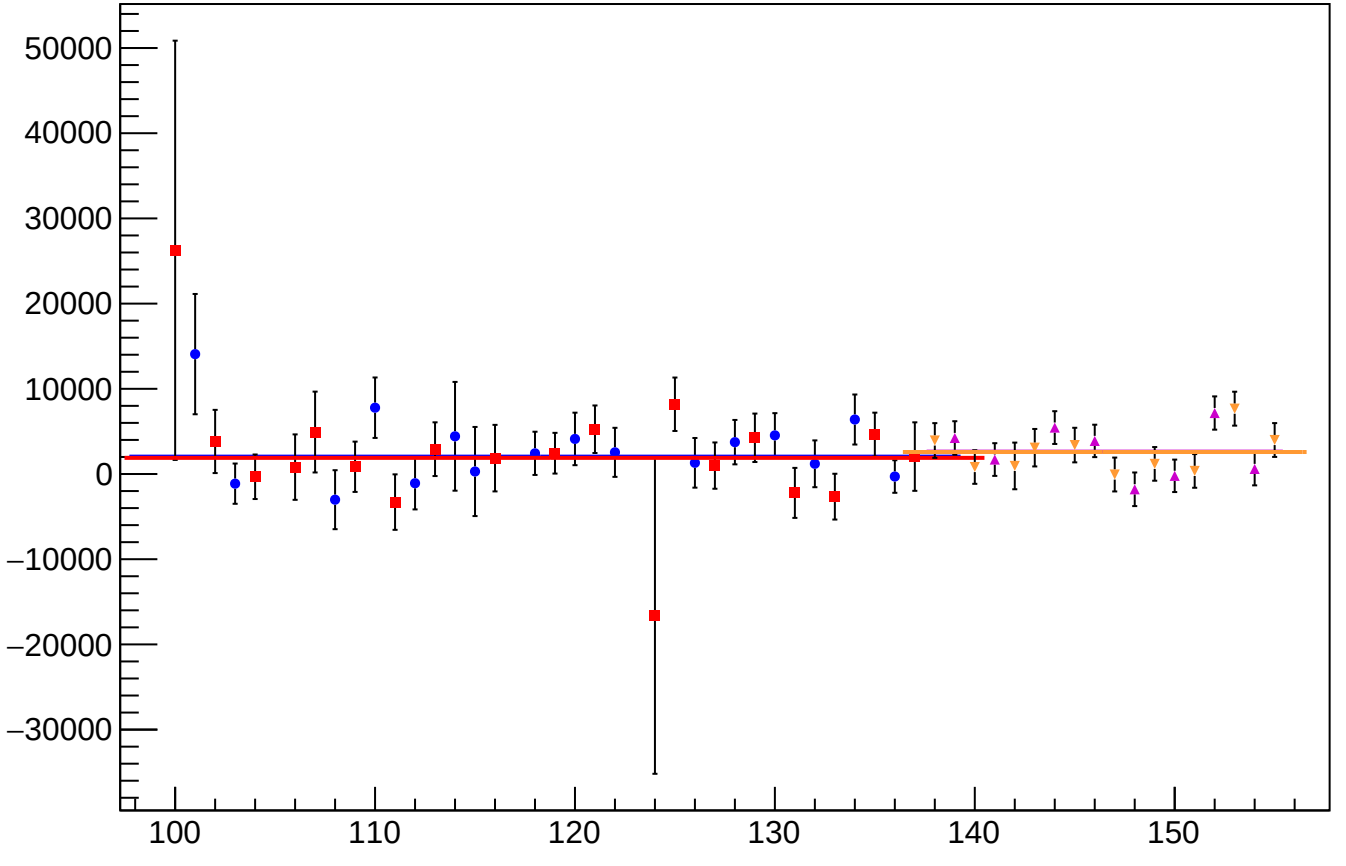
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:4434622.6/23

Out: 0.000+/-0.000 χ^2/NDF:4235489.8/28

All: 0.000+/-0.000 χ^2/NDF: 8686273.3/52

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2582.980+/-651.966 χ^2/NDF:12.4/9

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2625.886+/-683.373 χ^2/NDF:17.2/7

Left: 2603.424+/-471.722 χ^2/NDF: 29.6/17

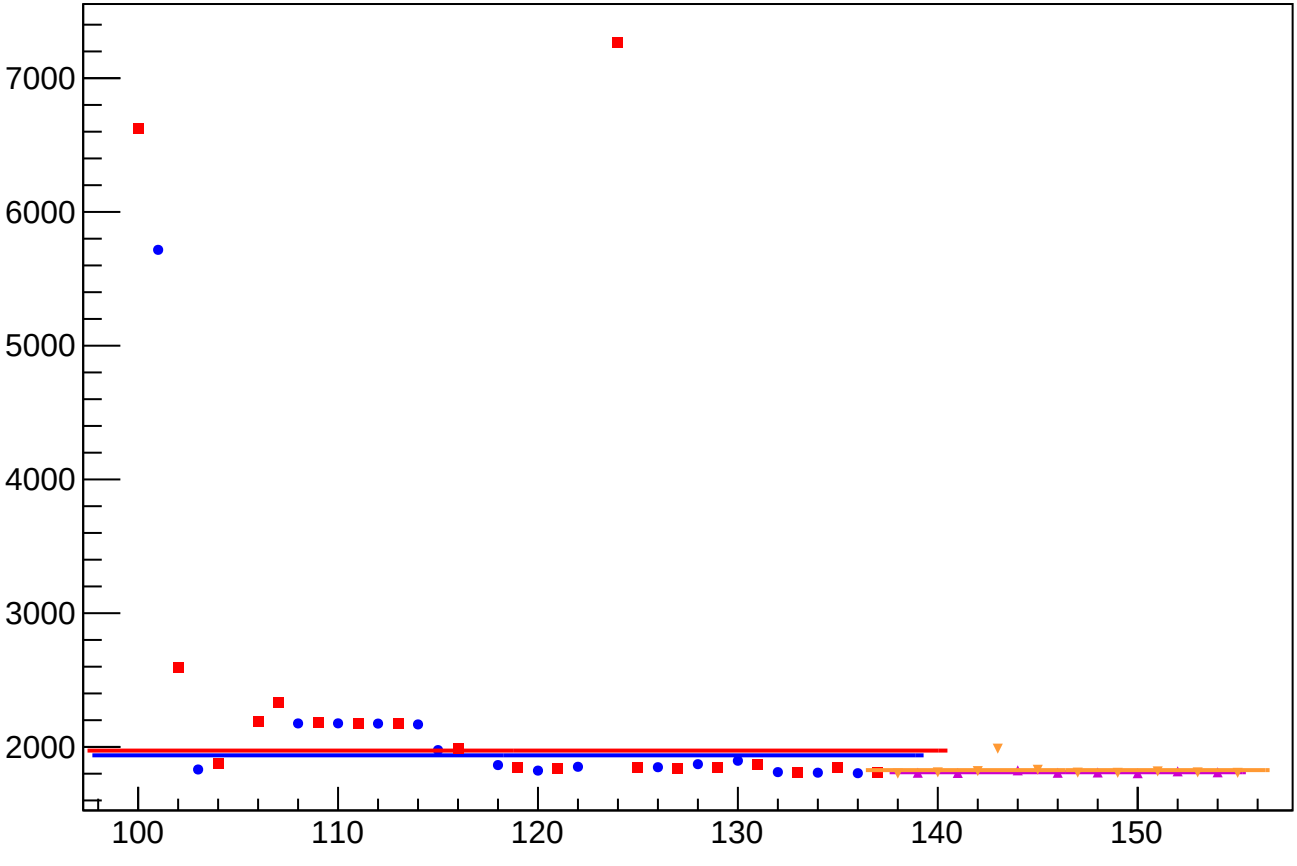
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2354.355+/-500.857 χ^2/NDF:34.0/23

Out: 2280.949+/-488.250 χ^2/NDF:31.4/28

All: 2316.716+/-349.617 χ^2/NDF: 65.4/52

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.681+/-0.461 χ^2/NDF:11916.6/9

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1810.767+/-0.483 χ^2/NDF:194.5/7

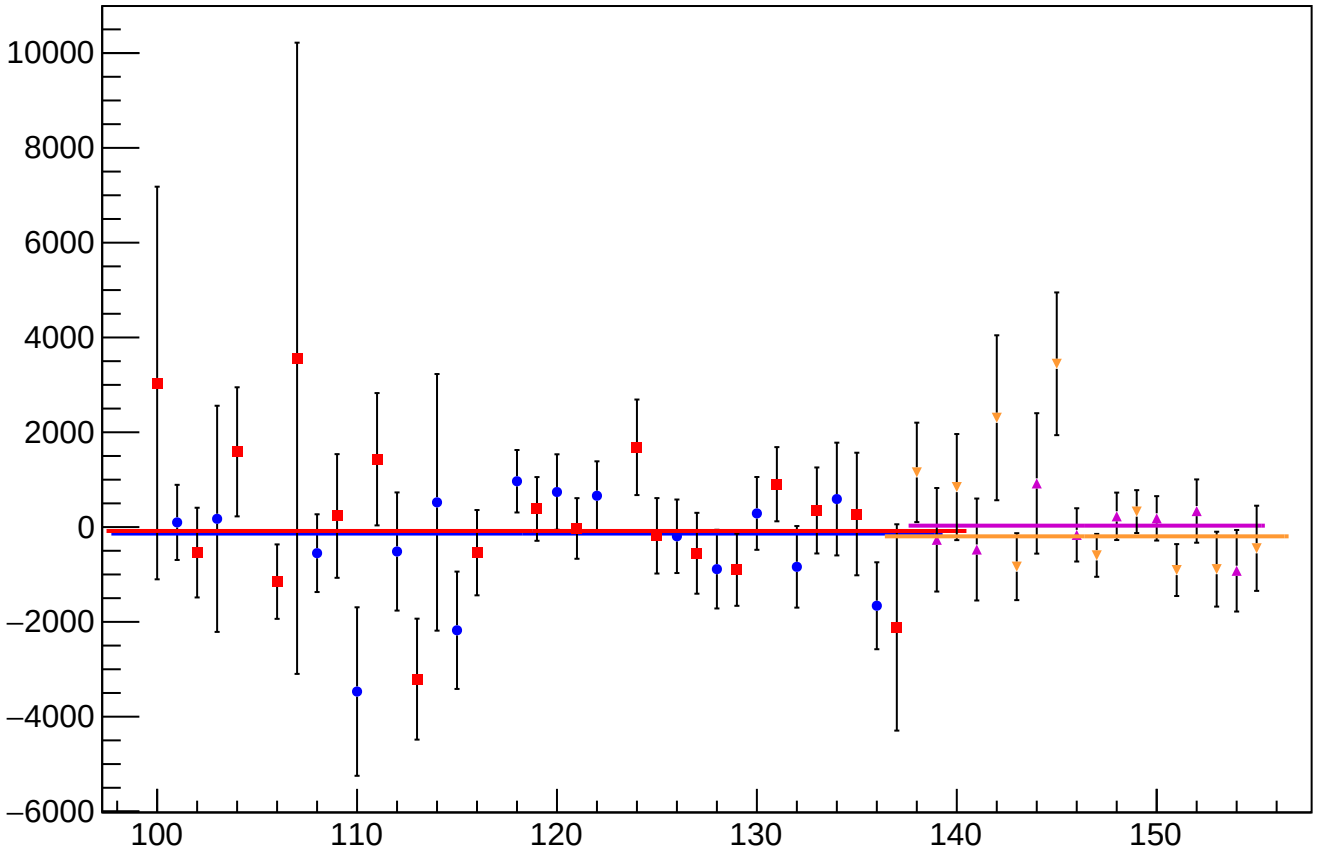
Left: 1819.098+/-0.334 χ^2/NDF: 12678.9/17

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1869.308+/-0.354 χ^2/NDF:669997.8/23

Out: 1890.834+/-0.345 χ^2/NDF:433548.7/28

All: 1880.345+/-0.247 χ^2/NDF: 1105440.7/52



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -195.460+/-221.222 χ^2/NDF:15.9/9

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 29.898+/-239.216 χ^2/NDF:2.5/7

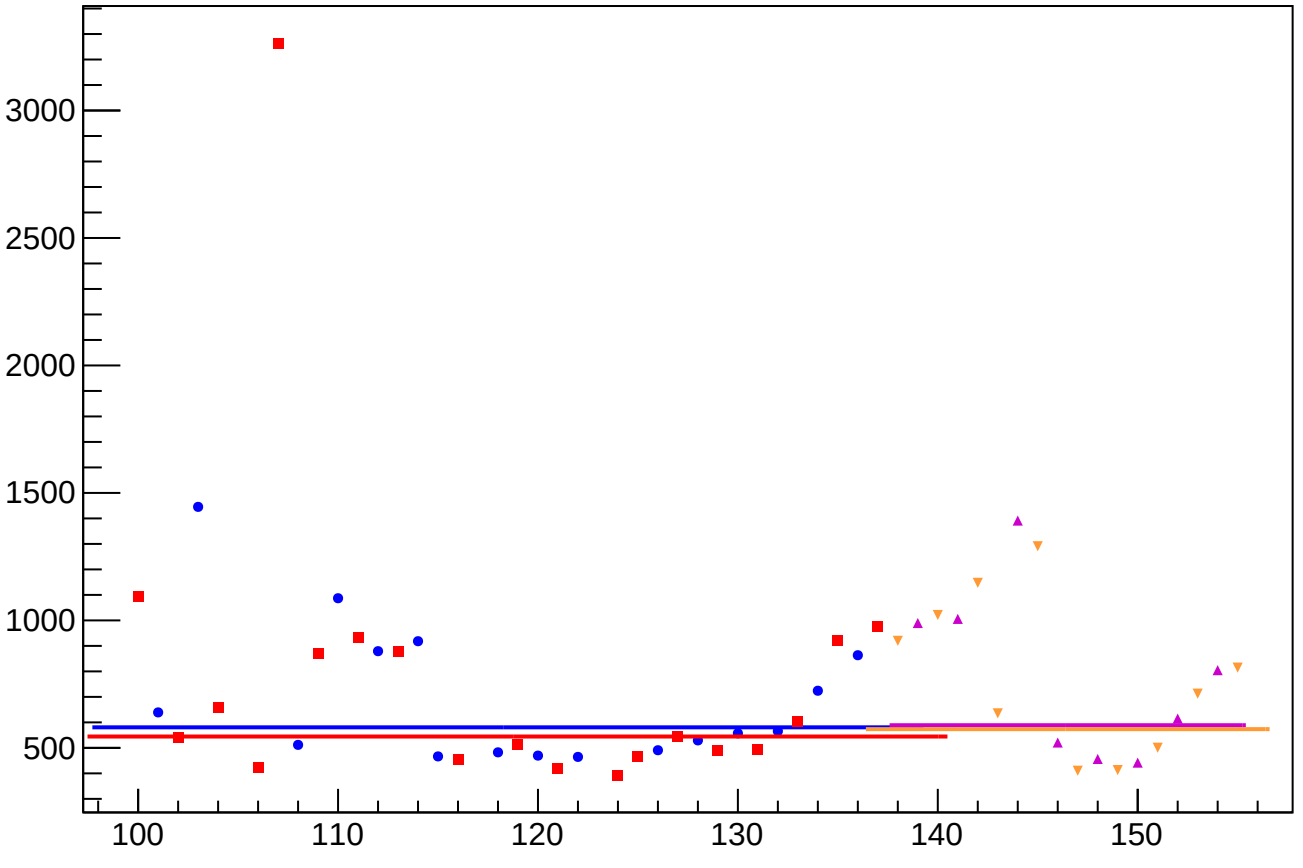
Left: -91.575+/-162.417 χ^2/NDF: 18.9/17

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

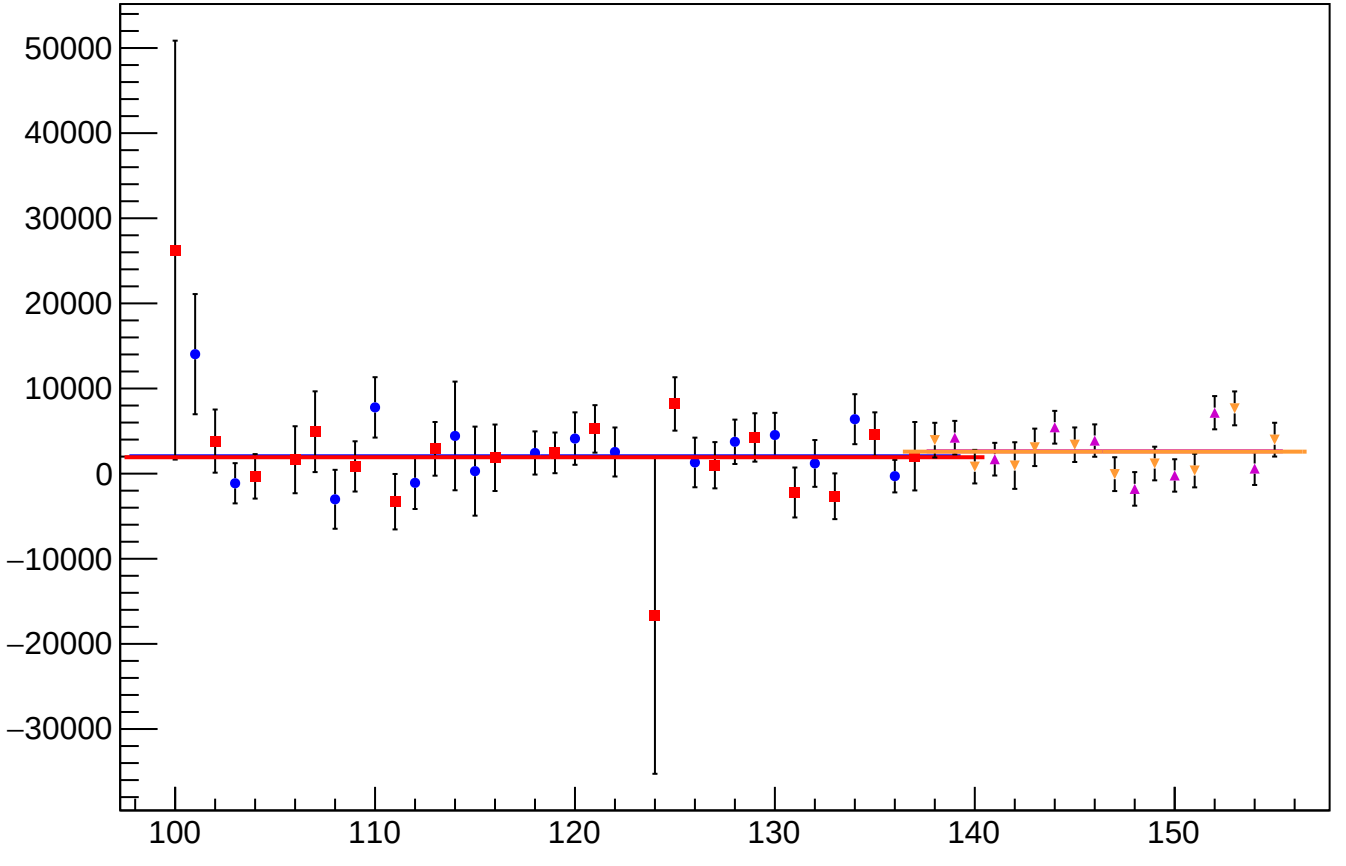
In: -56.487+/-165.958 χ^2/NDF:19.6/23

Out: -139.082+/-156.708 χ^2/NDF:35.8/28

All: -100.150+/-113.939 χ^2/NDF: 55.5/52


asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
Right In: 580.611+/-0.163 χ²/NDF: 1003410.8/15
Left Out: 573.487+/-0.156 χ²/NDF:1978962.2/9
Right Out: 544.530+/-0.157 χ²/NDF: 1287643.0/18
Left In: 588.859+/-0.169 χ²/NDF:1652071.1/7
Left: 580.574+/-0.115 χ²/NDF: 3635484.9/17
Right: 561.900+/-0.113 χ²/NDF: 2316481.8/34
In: 584.581+/-0.117 χ²/NDF:2656715.3/23
Out: 559.061+/-0.111 χ²/NDF:3283677.5/28
All: 571.090+/-0.081 χ²/NDF: 5965393.5/52

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2582.915+/-651.966 χ^2/NDF:12.4/9

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2626.101+/-683.373 χ^2/NDF:17.2/7

Left: 2603.493+/-471.722 χ^2/NDF: 29.6/17

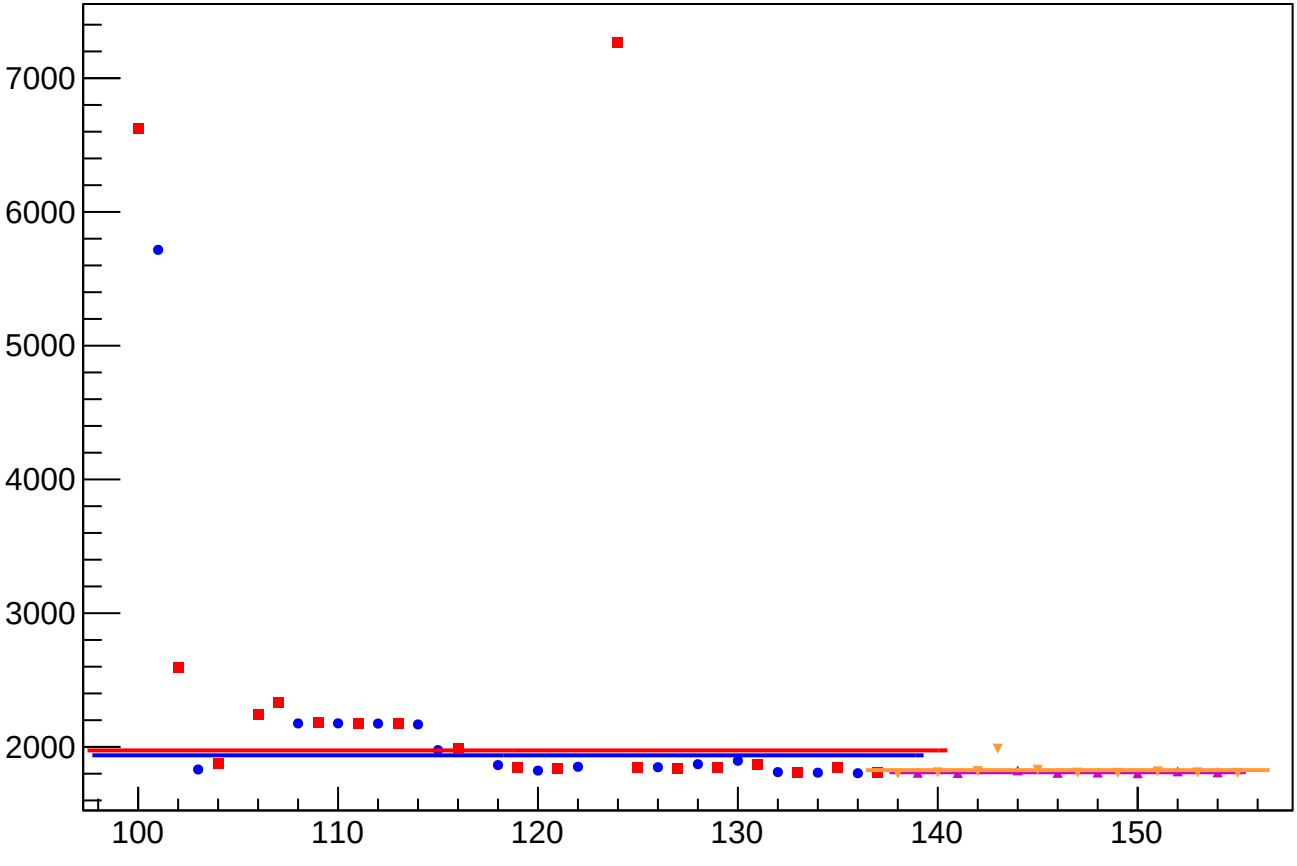
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2354.300+/-500.857 χ^2/NDF:34.0/23

Out: 2294.820+/-488.438 χ^2/NDF:31.2/28

All: 2323.814+/-349.686 χ^2/NDF: 65.3/52

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.681+/-0.461 χ^2/NDF:11916.6/9

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1810.767+/-0.483 χ^2/NDF:194.5/7

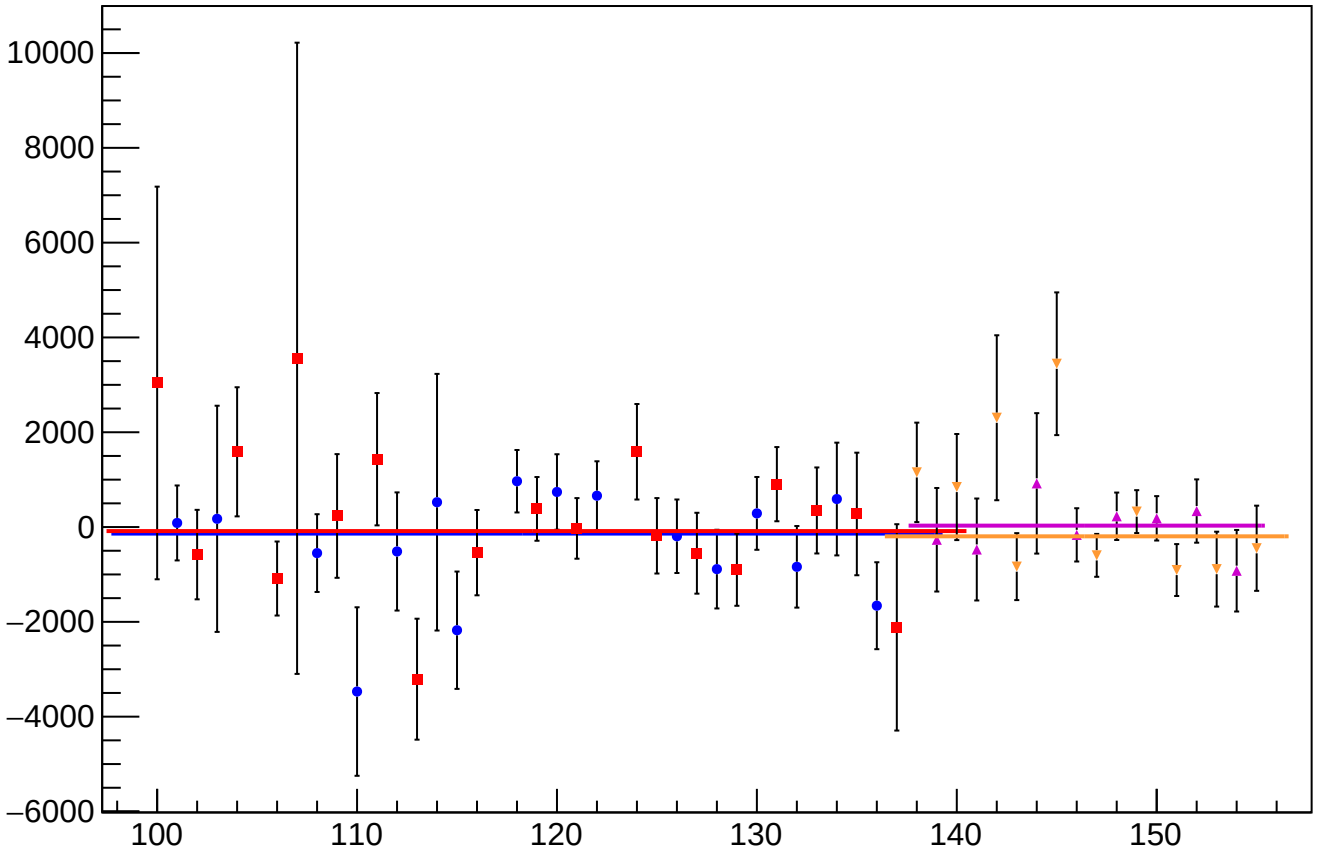
Left: 1819.098+/-0.334 χ^2/NDF: 12678.9/17

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1869.308+/-0.354 χ^2/NDF:669997.8/23

Out: 1891.383+/-0.345 χ^2/NDF:437243.9/28

All: 1880.622+/-0.247 χ^2/NDF: 1109232.9/52



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -195.738+/-221.221 χ^2/NDF:15.9/9

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 29.919+/-239.218 χ^2/NDF:2.5/7

Left: -91.717+/-162.417 χ^2/NDF: 18.9/17

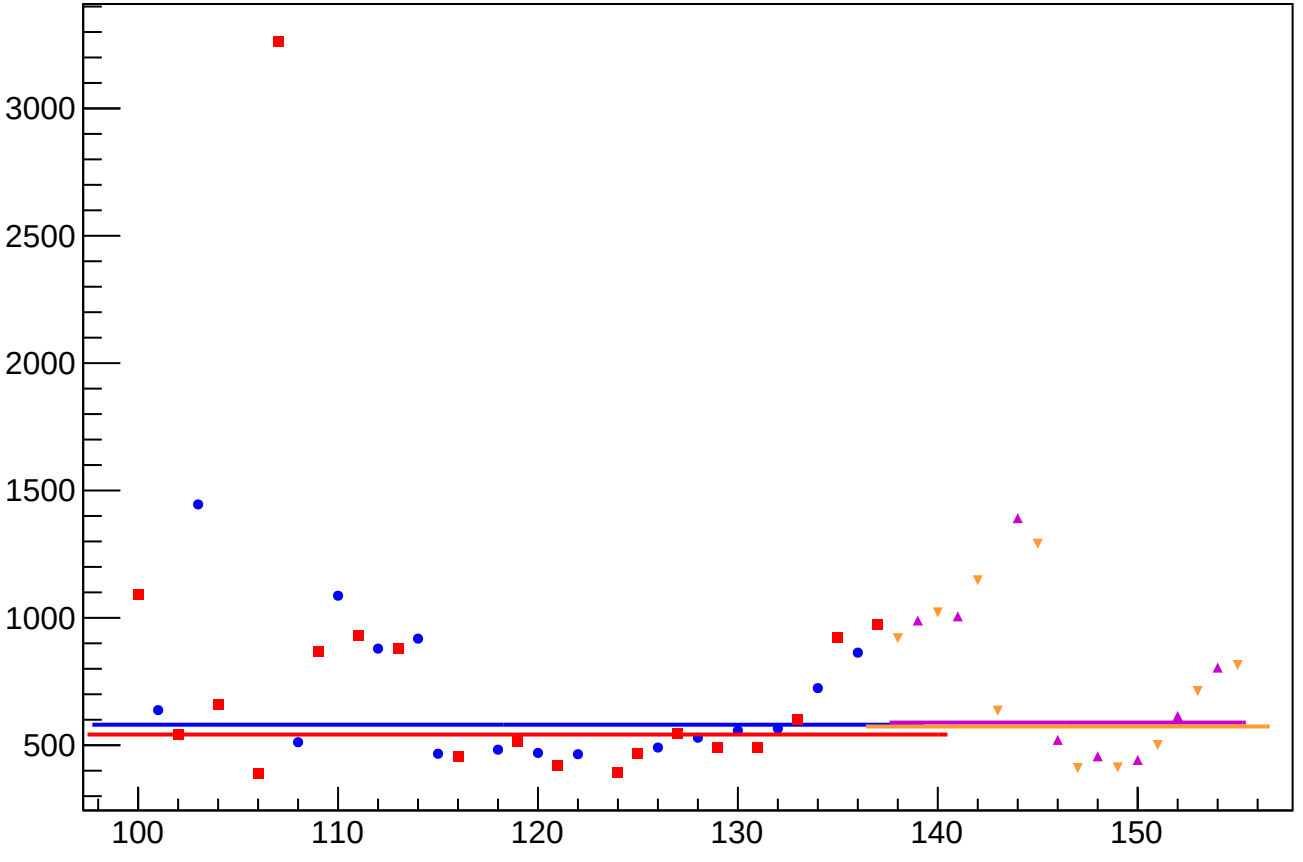
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -56.935+/-165.940 χ^2/NDF:19.6/23

Out: -140.508+/-156.659 χ^2/NDF:35.3/28

All: -101.124+/-113.915 χ^2/NDF: 55.1/52

asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 573.484+/-0.156 χ^2/NDF:1978964.7/9

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 588.862+/-0.169 χ^2/NDF:1652081.8/7

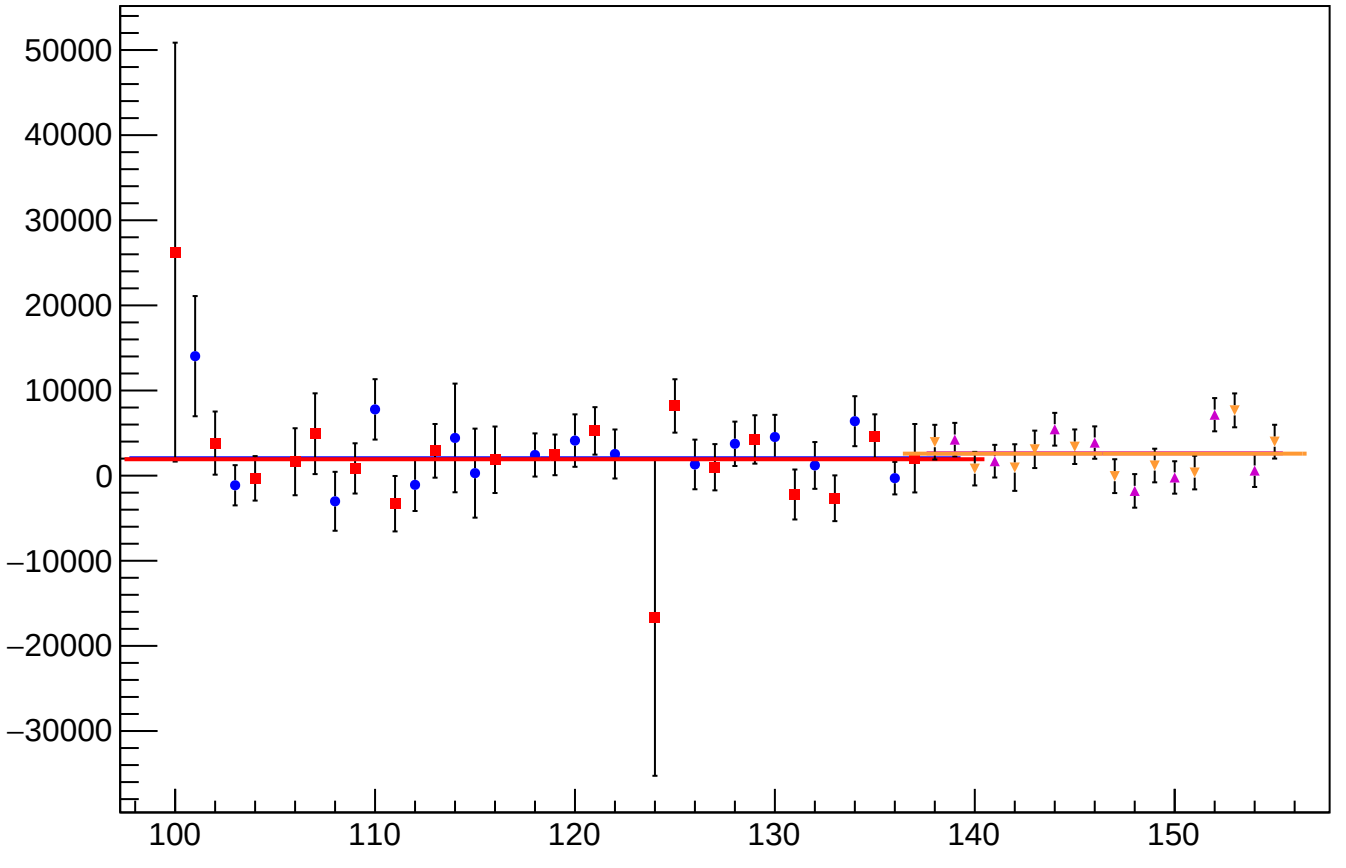
Left: 580.573+/-0.115 χ^2/NDF: 3635501.8/17

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 584.534+/-0.117 χ^2/NDF:2656244.6/23

Out: 557.758+/-0.111 χ^2/NDF:3318088.2/28

All: 570.376+/-0.081 χ^2/NDF: 6001865.1/52



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2582.915+/-651.966 χ^2/NDF:12.4/9

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2626.101+/-683.373 χ^2/NDF:17.2/7

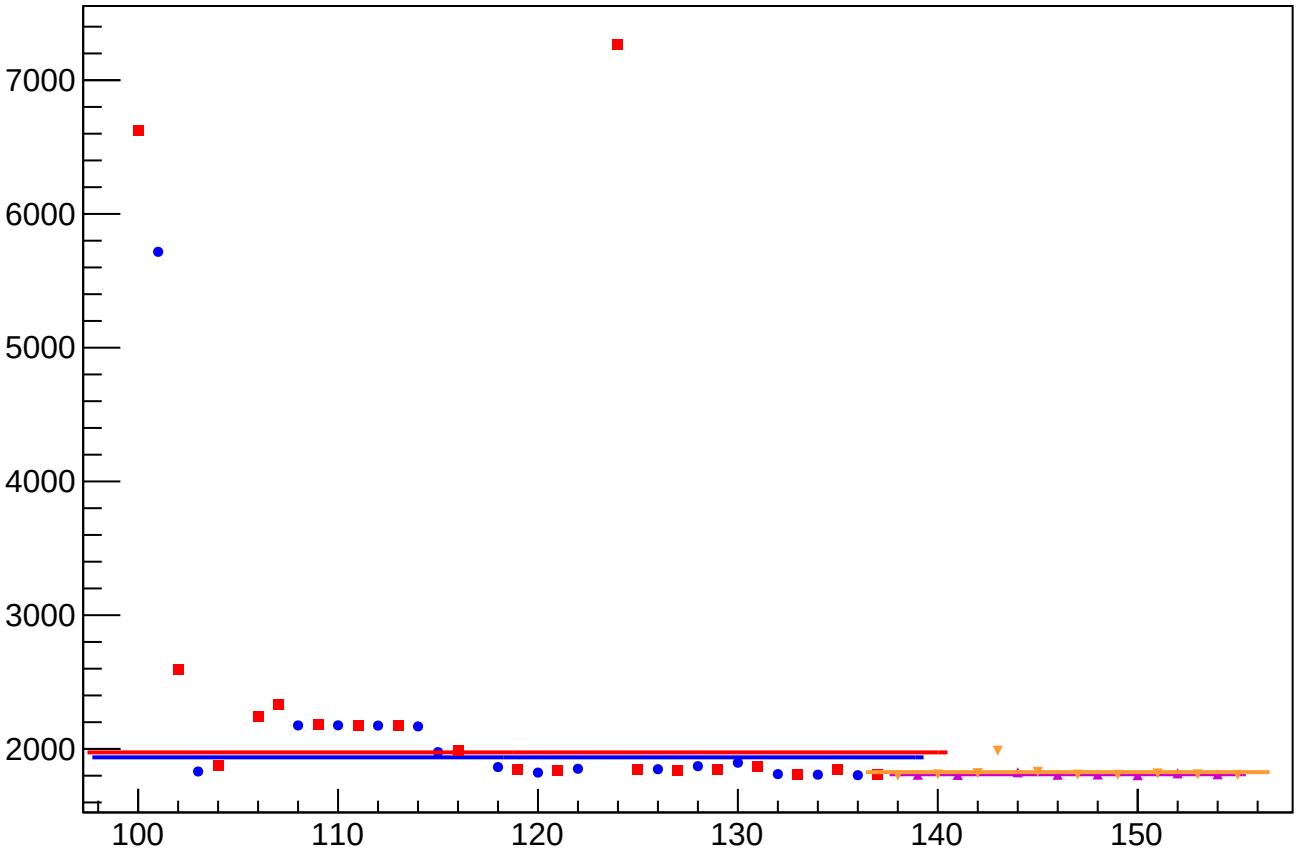
Left: 2603.493+/-471.722 χ^2/NDF: 29.6/17

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2354.300+/-500.857 χ^2/NDF:34.0/23

Out: 2294.820+/-488.438 χ^2/NDF:31.2/28

All: 2323.814+/-349.686 χ^2/NDF: 65.3/52



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1826.681+/-0.461 χ^2/NDF:11916.6/9

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1810.767+/-0.483 χ^2/NDF:194.5/7

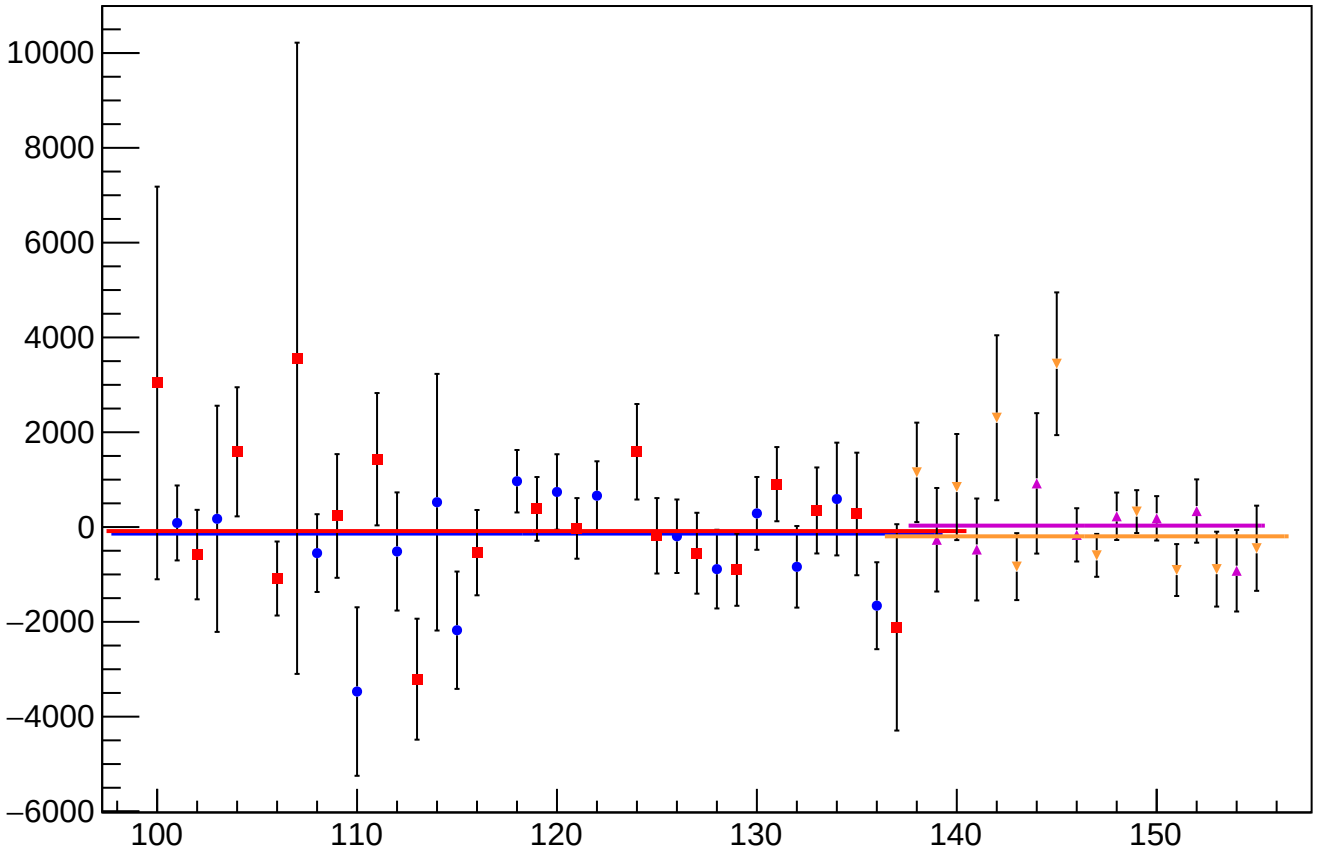
Left: 1819.098+/-0.334 χ^2/NDF: 12678.9/17

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1869.308+/-0.354 χ^2/NDF:669997.8/23

Out: 1891.383+/-0.345 χ^2/NDF:437243.9/28

All: 1880.622+/-0.247 χ^2/NDF: 1109232.9/52



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -195.738+/-221.221 χ^2/NDF:15.9/9

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 29.919+/-239.218 χ^2/NDF:2.5/7

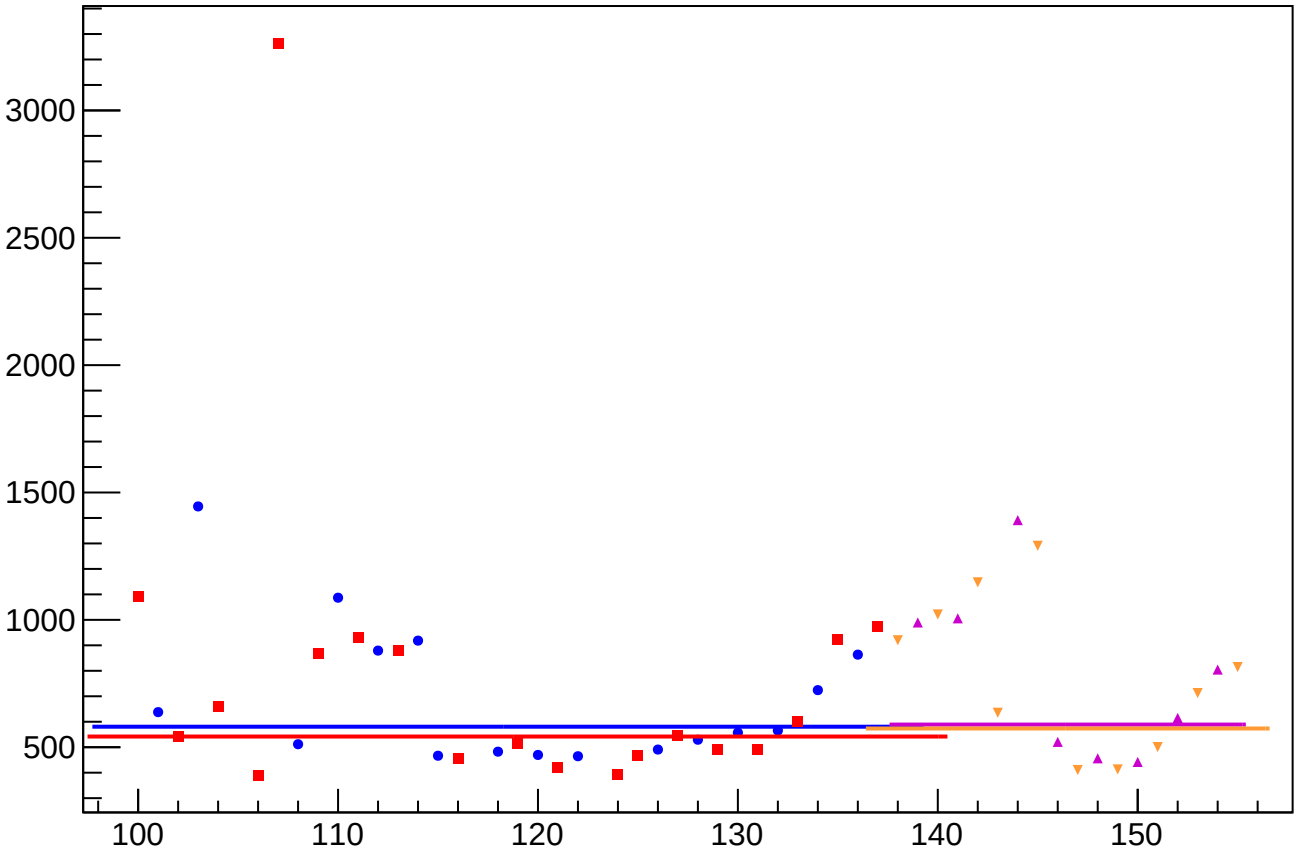
Left: -91.717+/-162.417 χ^2/NDF: 18.9/17

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -56.935+/-165.940 χ^2/NDF:19.6/23

Out: -140.508+/-156.659 χ^2/NDF:35.3/28

All: -101.124+/-113.915 χ^2/NDF: 55.1/52



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 573.484+/-0.156 χ^2/NDF:1978964.7/9

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 588.862+/-0.169 χ^2/NDF:1652081.8/7

Left: 580.573+/-0.115 χ^2/NDF: 3635501.8/17

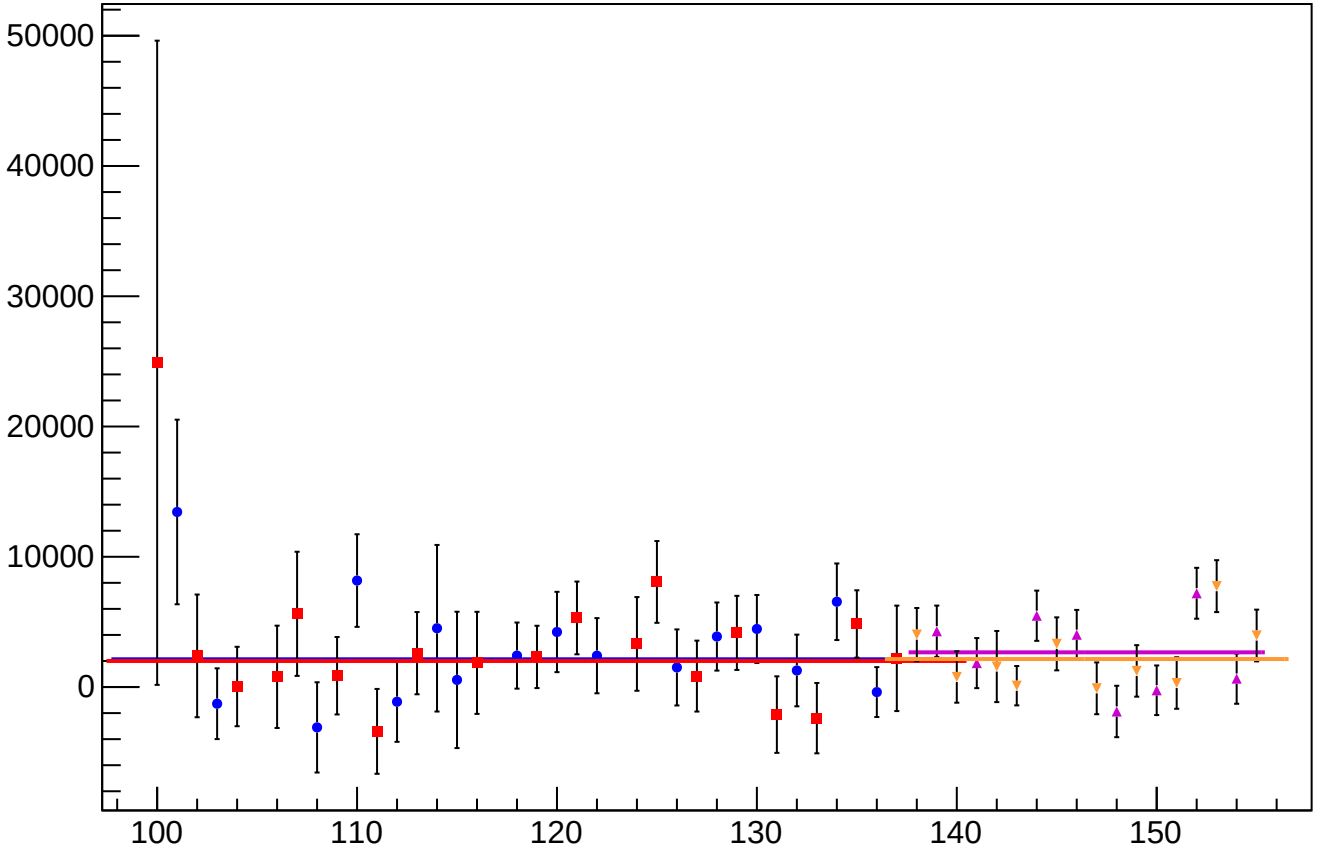
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 584.534+/-0.117 χ^2/NDF:2656244.6/23

Out: 557.758+/-0.111 χ^2/NDF:3318088.2/28

All: 570.376+/-0.081 χ^2/NDF: 6001865.1/52

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2149.346+/-622.535 χ^2/NDF:14.6/9

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2664.493+/-684.265 χ^2/NDF:17.6/7

Left: 2382.639+/-460.479 χ^2/NDF: 32.5/17

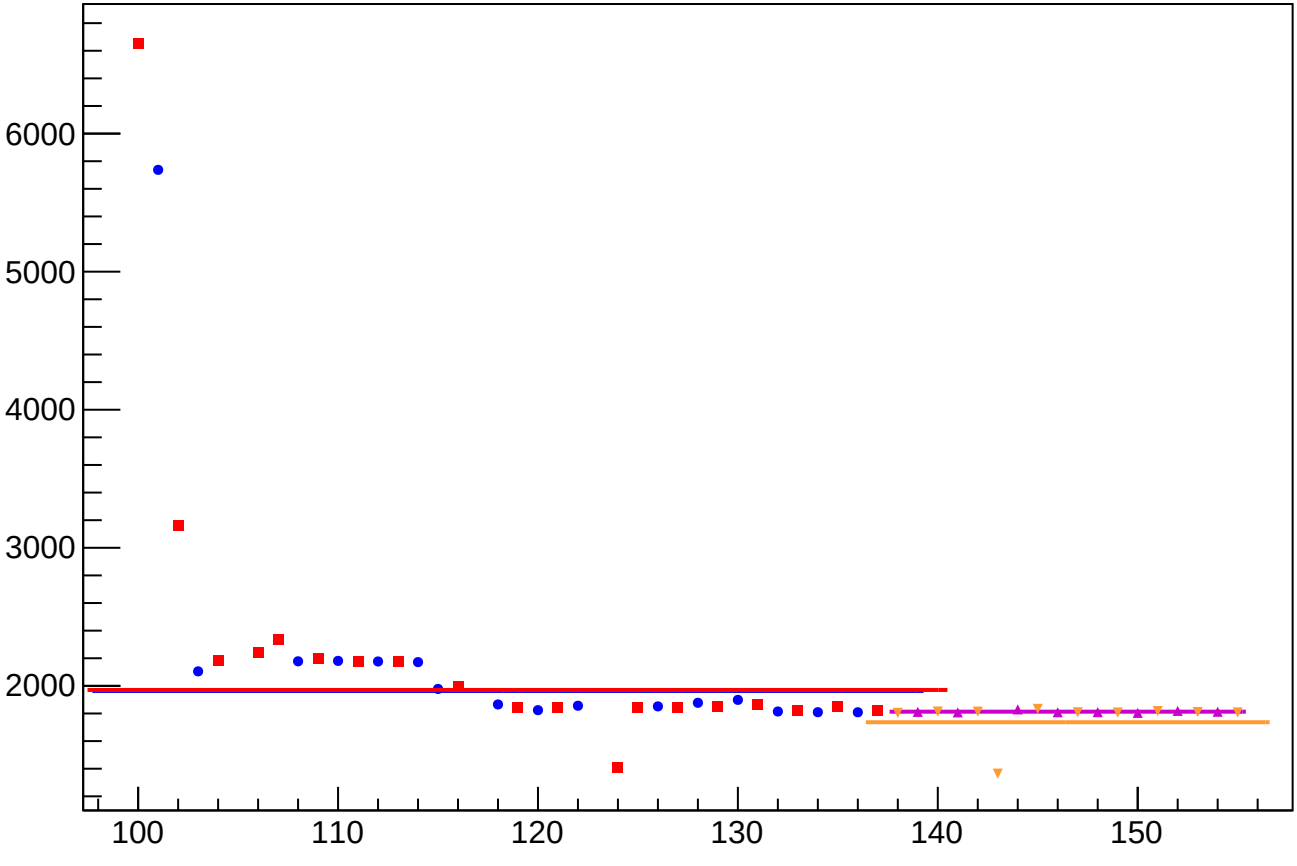
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2419.788+/-504.338 χ^2/NDF:34.4/23

Out: 2088.102+/-475.631 χ^2/NDF:31.4/28

All: 2244.237+/-346.026 χ^2/NDF: 66.0/52

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1736.637+/-0.440 χ^2/NDF:146867.3/9

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1813.094+/-0.484 χ^2/NDF:230.9/7

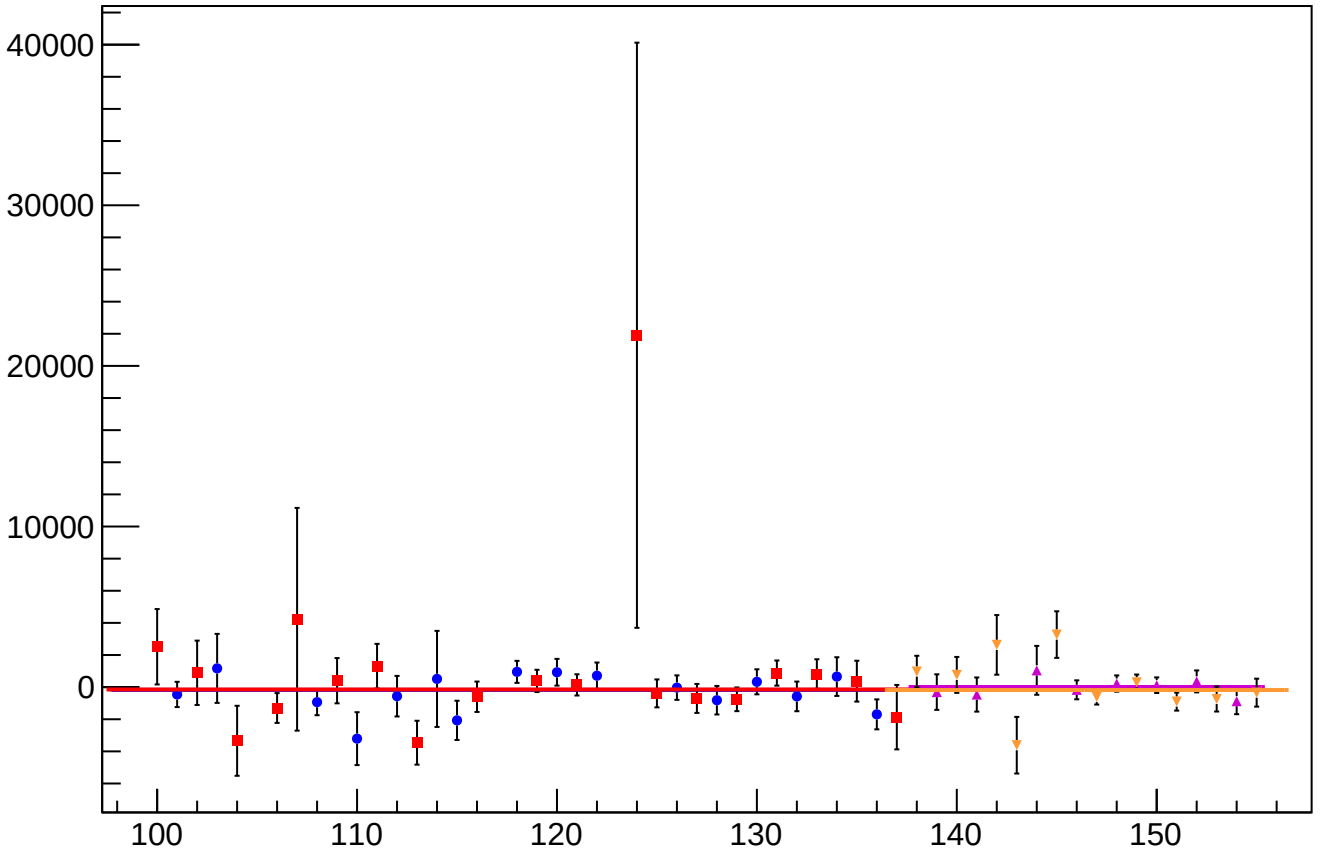
Left: 1771.261+/-0.326 χ^2/NDF: 160760.1/17

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1881.754+/-0.357 χ^2/NDF:684571.7/23

Out: 1833.970+/-0.336 χ^2/NDF:609449.8/28

All: 1856.463+/-0.245 χ^2/NDF: 1303523.6/52



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -180.556+/-236.454 χ^2/NDF:17.9/9

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 7.712+/-244.038 χ^2/NDF:2.5/7

Left: -89.393+/-169.816 χ^2/NDF: 20.7/17

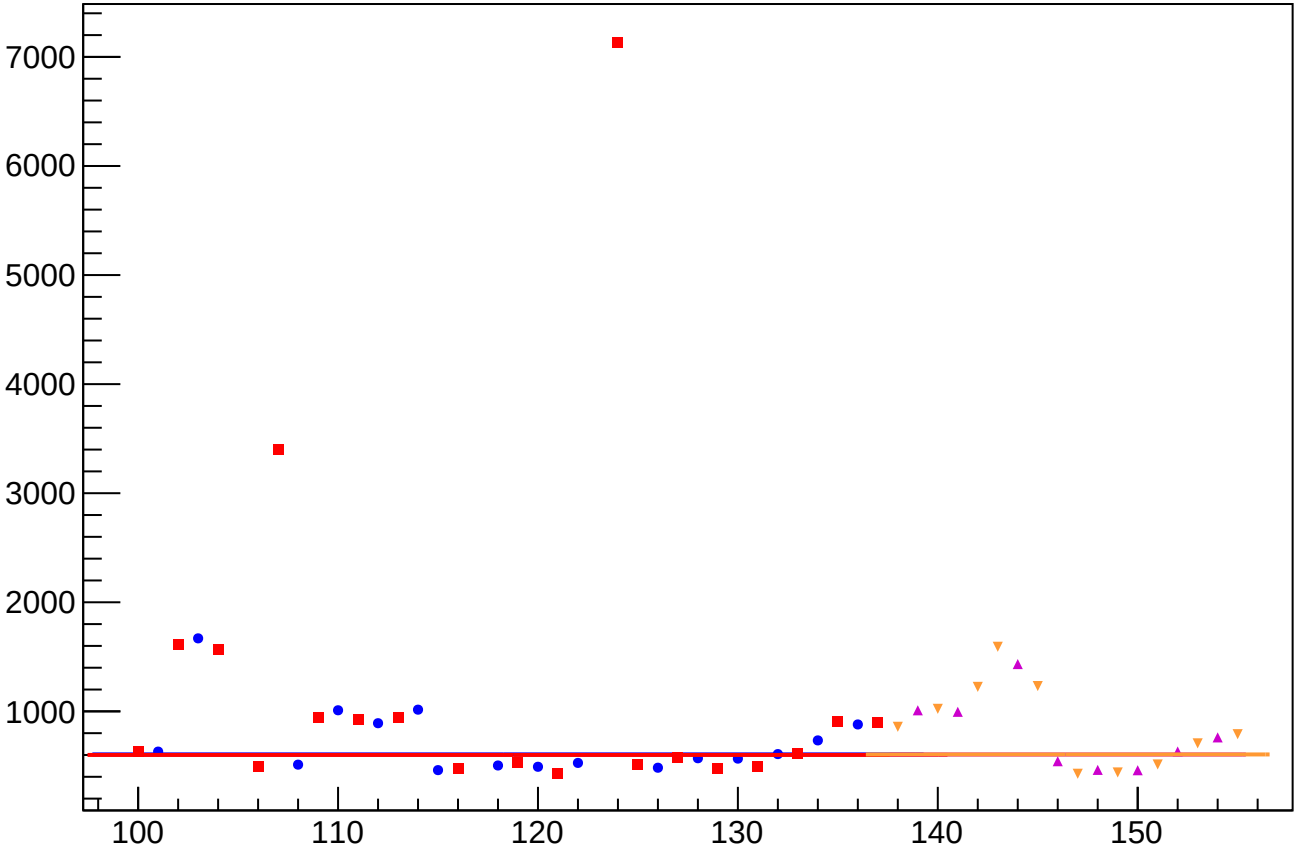
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -84.175+/-169.986 χ^2/NDF:20.0/23

Out: -164.464+/-169.413 χ^2/NDF:38.0/28

All: -124.455+/-119.995 χ^2/NDF: 58.1/52

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 604.951+/-0.167 χ^2/NDF:2332948.3/9

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 604.272+/-0.173 χ^2/NDF:1563287.7/7

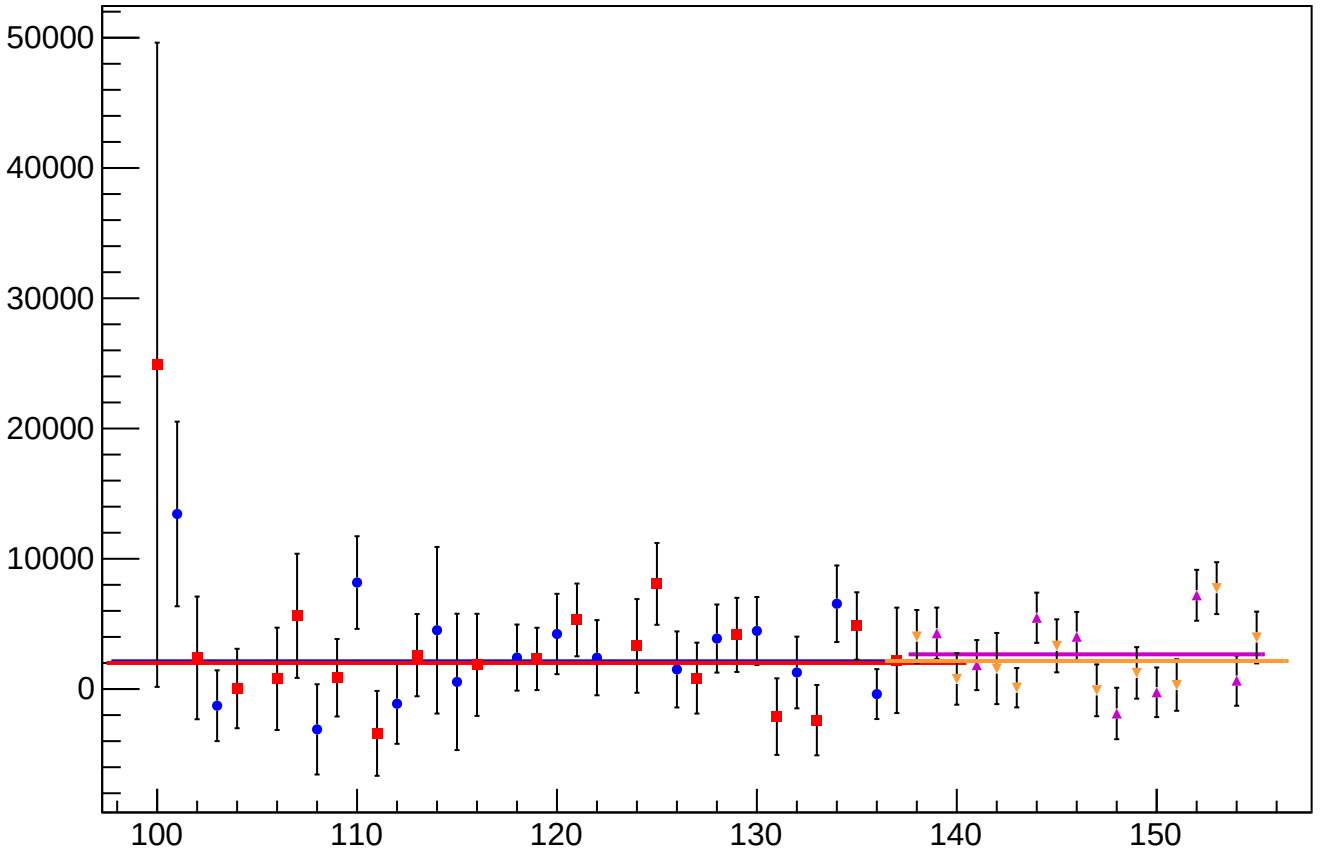
Left: 604.622+/-0.120 χ^2/NDF: 3896244.0/17

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 604.868+/-0.120 χ^2/NDF:2725765.3/23

Out: 602.759+/-0.120 χ^2/NDF:4661825.4/28

All: 603.810+/-0.085 χ^2/NDF: 7387745.1/52



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2149.347+/-622.535 χ^2/NDF:14.6/9

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2664.493+/-684.265 χ^2/NDF:17.6/7

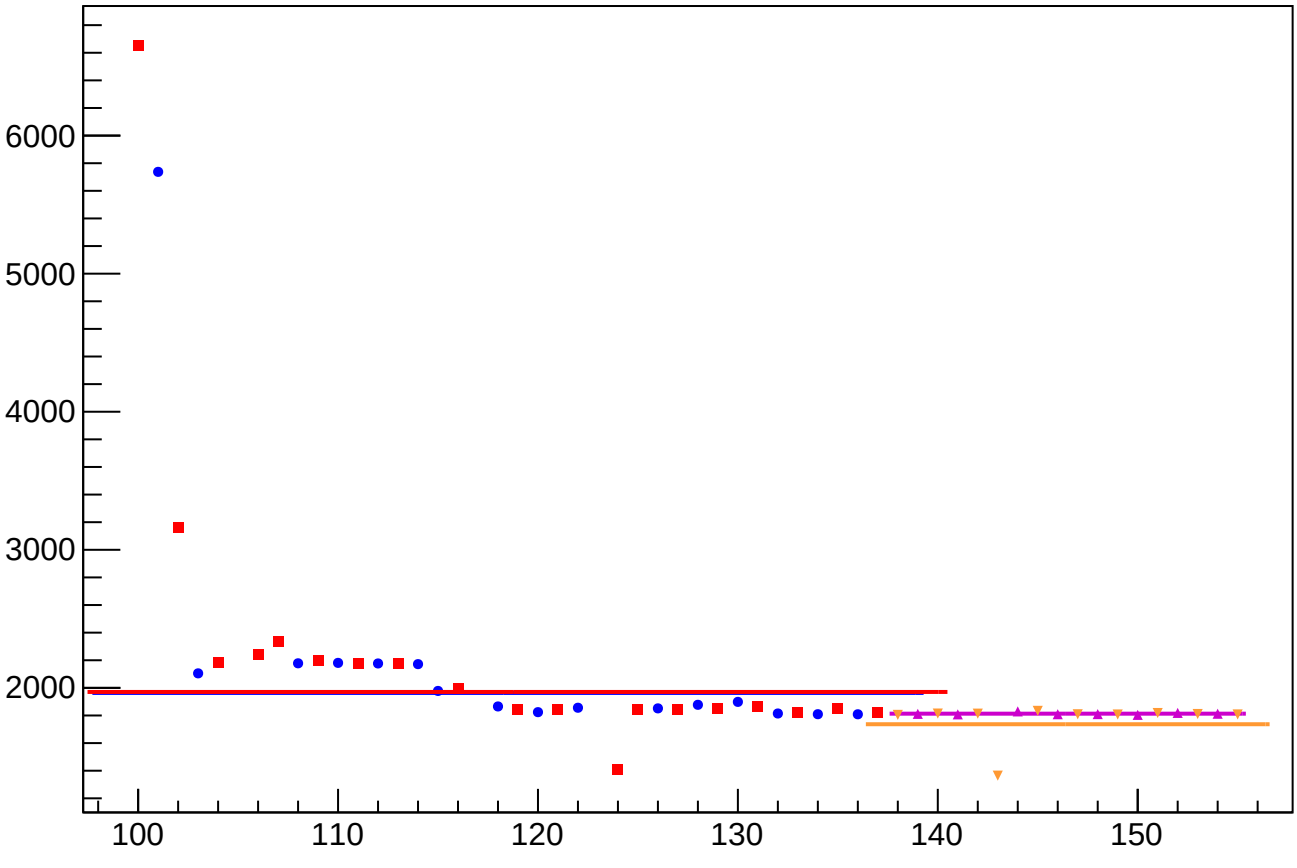
Left: 2382.640+/-460.479 χ^2/NDF: 32.5/17

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2419.787+/-504.338 χ^2/NDF:34.4/23

Out: 2088.102+/-475.631 χ^2/NDF:31.4/28

All: 2244.236+/-346.026 χ^2/NDF: 66.0/52



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1736.637+/-0.440 χ^2/NDF:146867.3/9

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1813.094+/-0.484 χ^2/NDF:231.0/7

Left: 1771.261+/-0.326 χ^2/NDF: 160760.0/17

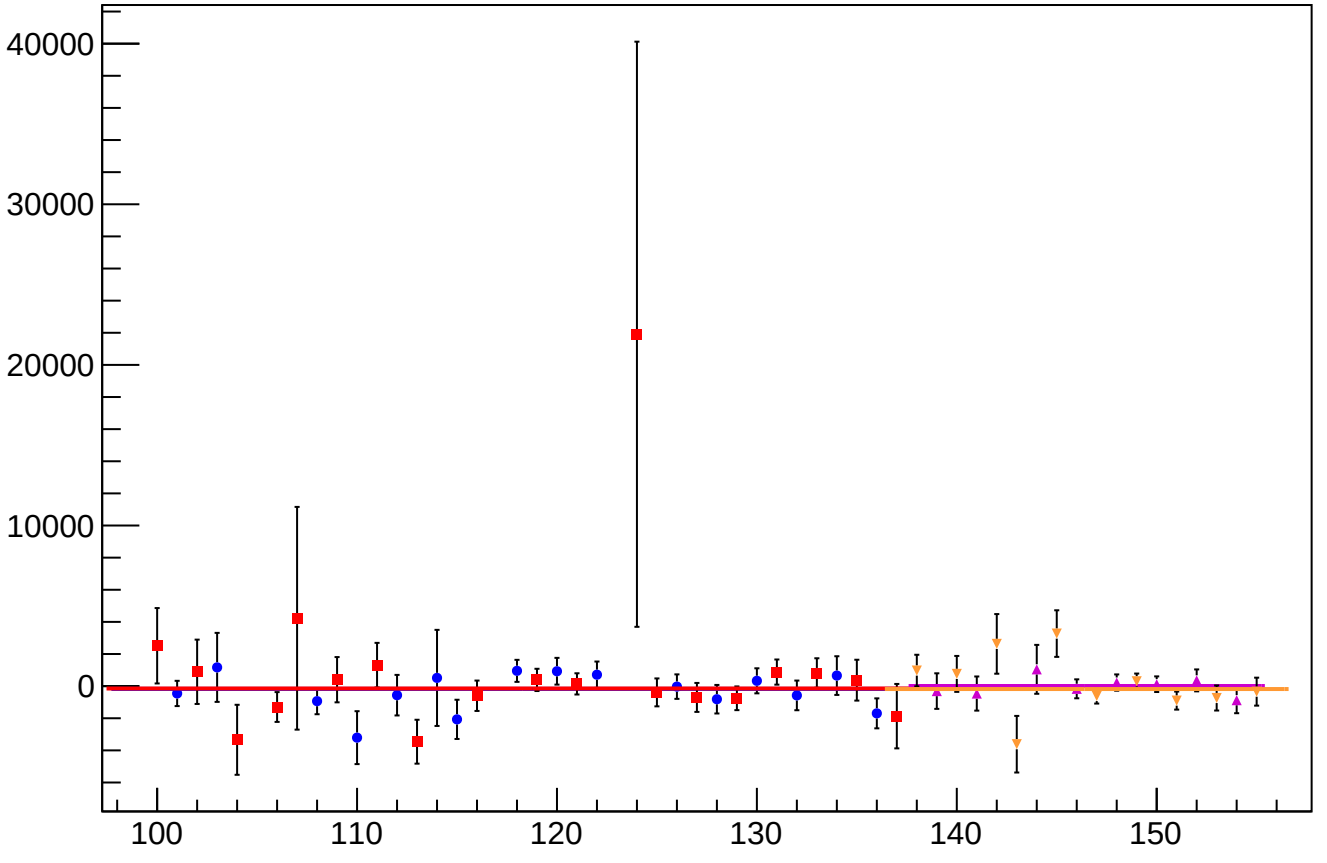
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1881.754+/-0.357 χ^2/NDF:684571.3/23

Out: 1833.970+/-0.336 χ^2/NDF:609448.2/28

All: 1856.463+/-0.245 χ^2/NDF: 1303521.6/52

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: -180.556+/-236.454 χ^2/NDF:17.9/9

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 7.712+/-244.039 χ^2/NDF:2.5/7

Left: -89.393+/-169.816 χ^2/NDF: 20.7/17

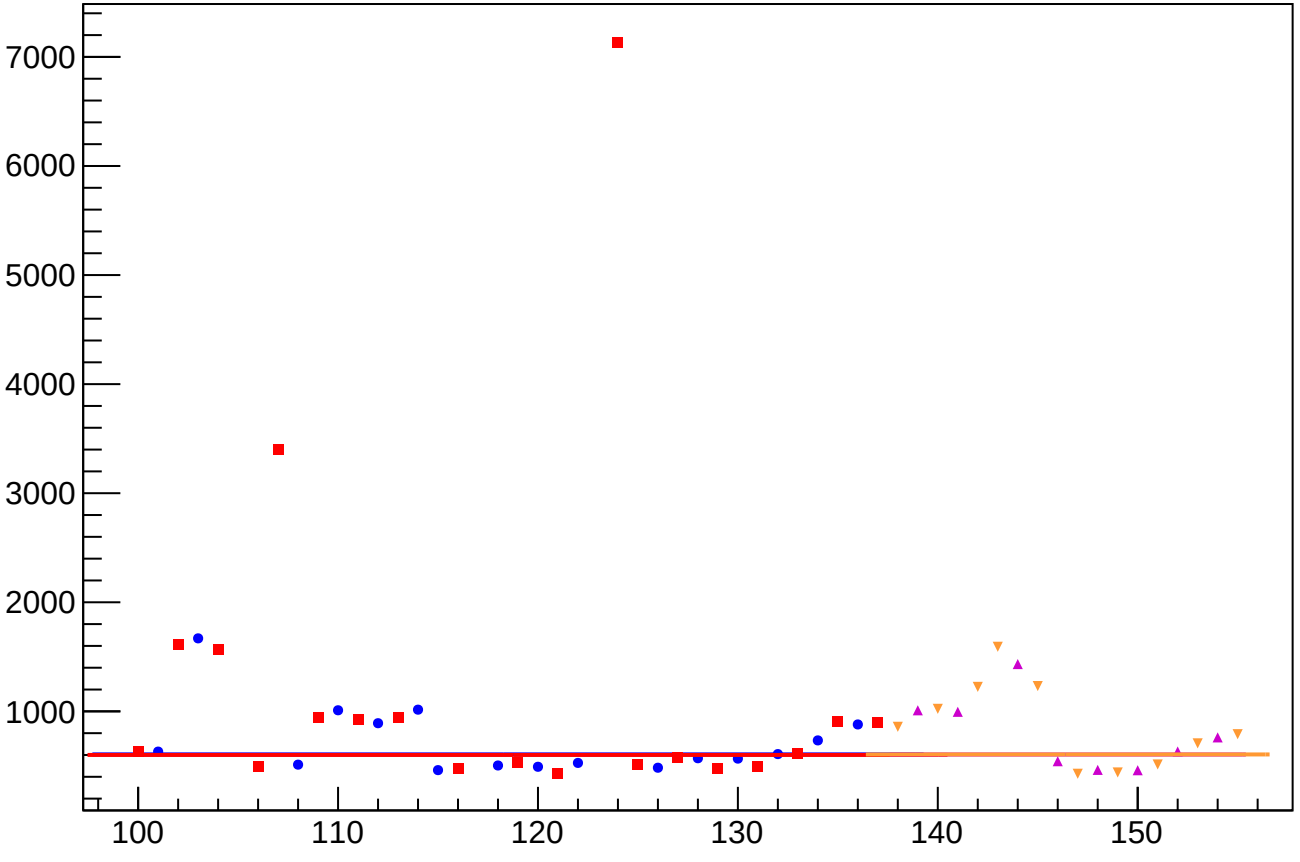
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -84.175+/-169.986 χ^2/NDF:20.0/23

Out: -164.463+/-169.414 χ^2/NDF:38.0/28

All: -124.454+/-119.995 χ^2/NDF: 58.1/52

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: 604.953+/-0.167 χ^2/NDF:2332941.2/9

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 604.273+/-0.173 χ^2/NDF:1563283.3/7

Left: 604.624+/-0.120 χ^2/NDF: 3896232.6/17

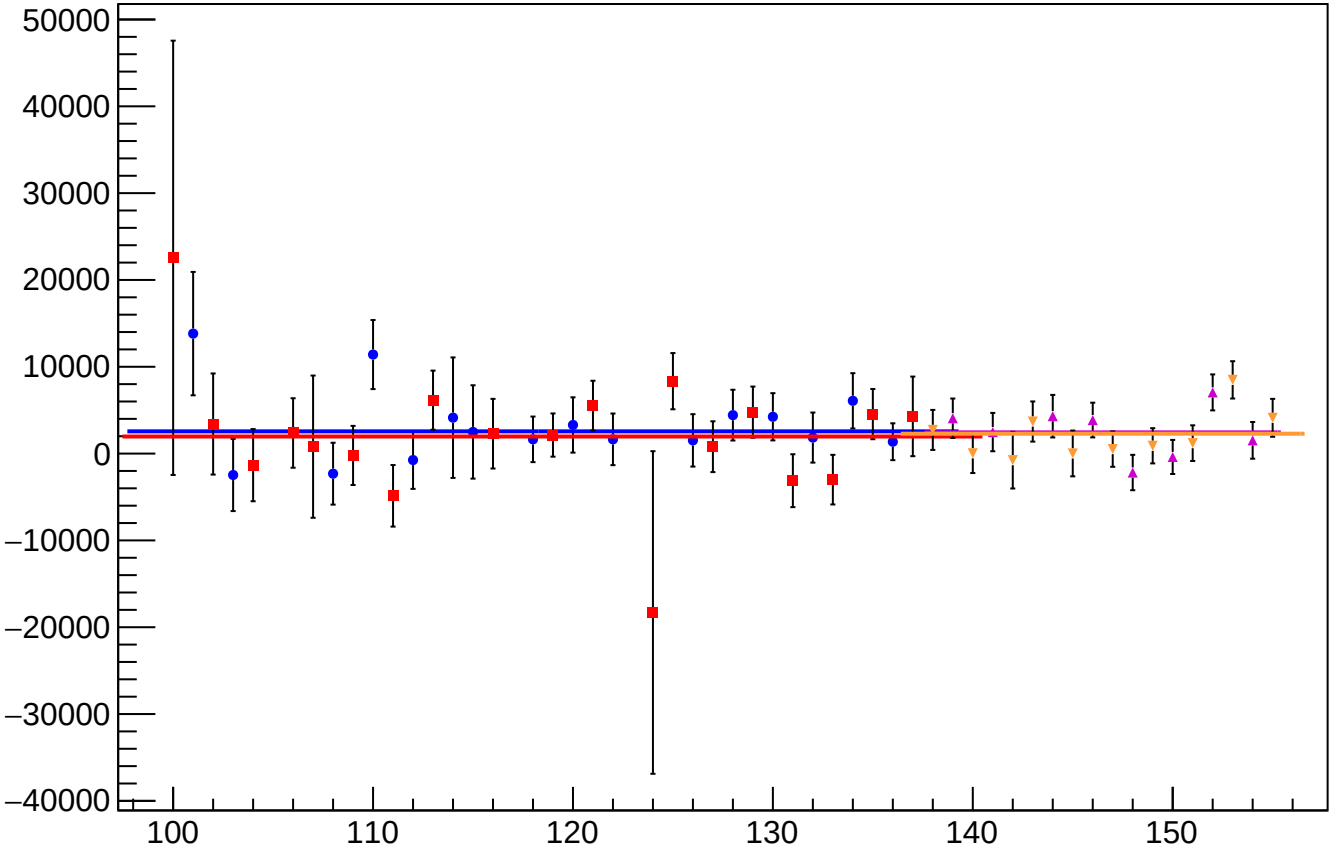
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 604.868+/-0.120 χ^2/NDF:2725768.8/23

Out: 602.759+/-0.120 χ^2/NDF:4661826.6/28

All: 603.810+/-0.085 χ^2/NDF: 7387749.9/52

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2290.668+/-715.545 χ^2/NDF:13.5/9

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 2446.610+/-751.180 χ^2/NDF:14.0/7

Left: 2364.853+/-518.106 χ^2/NDF: 27.5/17

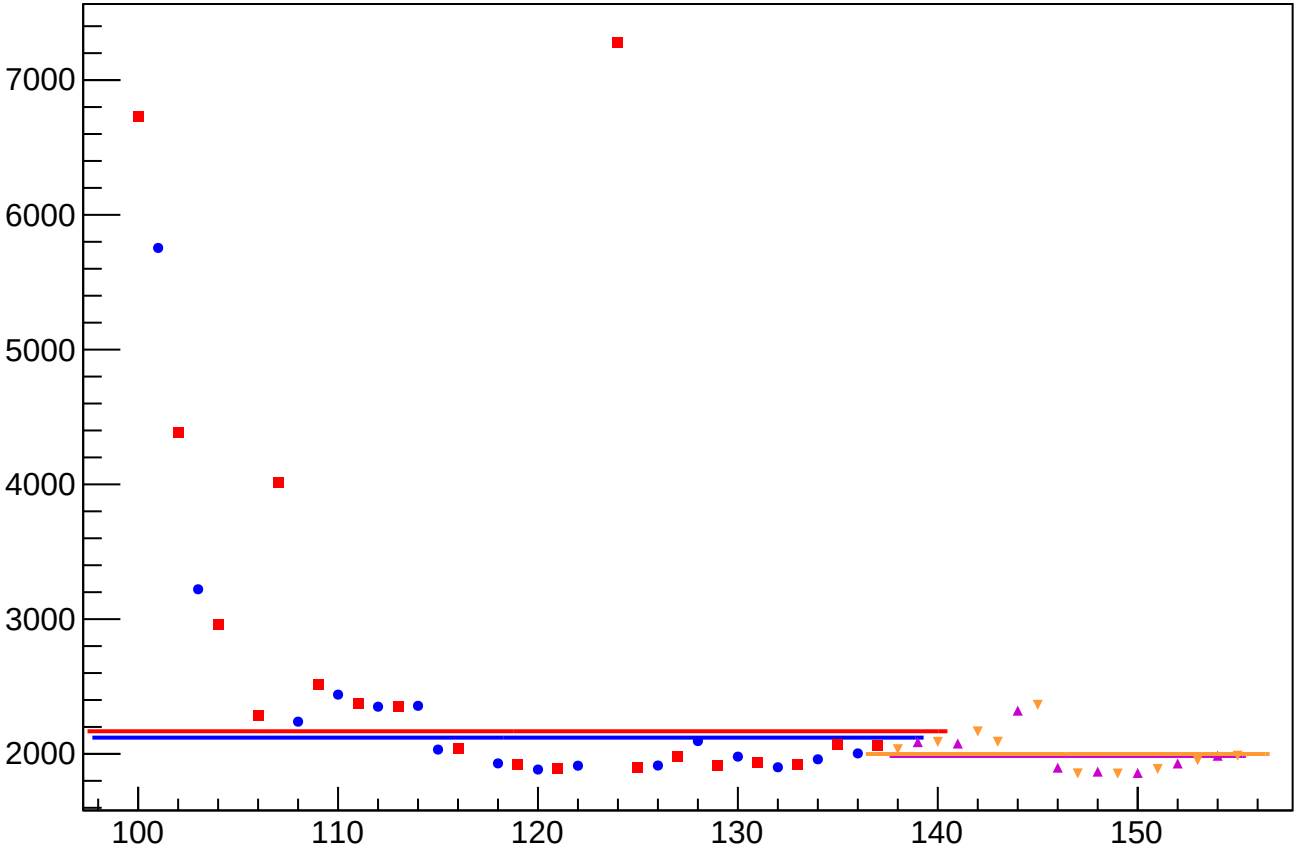
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2499.512+/-550.679 χ^2/NDF:28.6/23

Out: 2150.409+/-538.809 χ^2/NDF:35.2/28

All: 2321.157+/-385.123 χ^2/NDF: 64.0/52

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1999.081+/-0.506 χ^2/NDF:77298.0/9

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1984.738+/-0.531 χ^2/NDF:65184.0/7

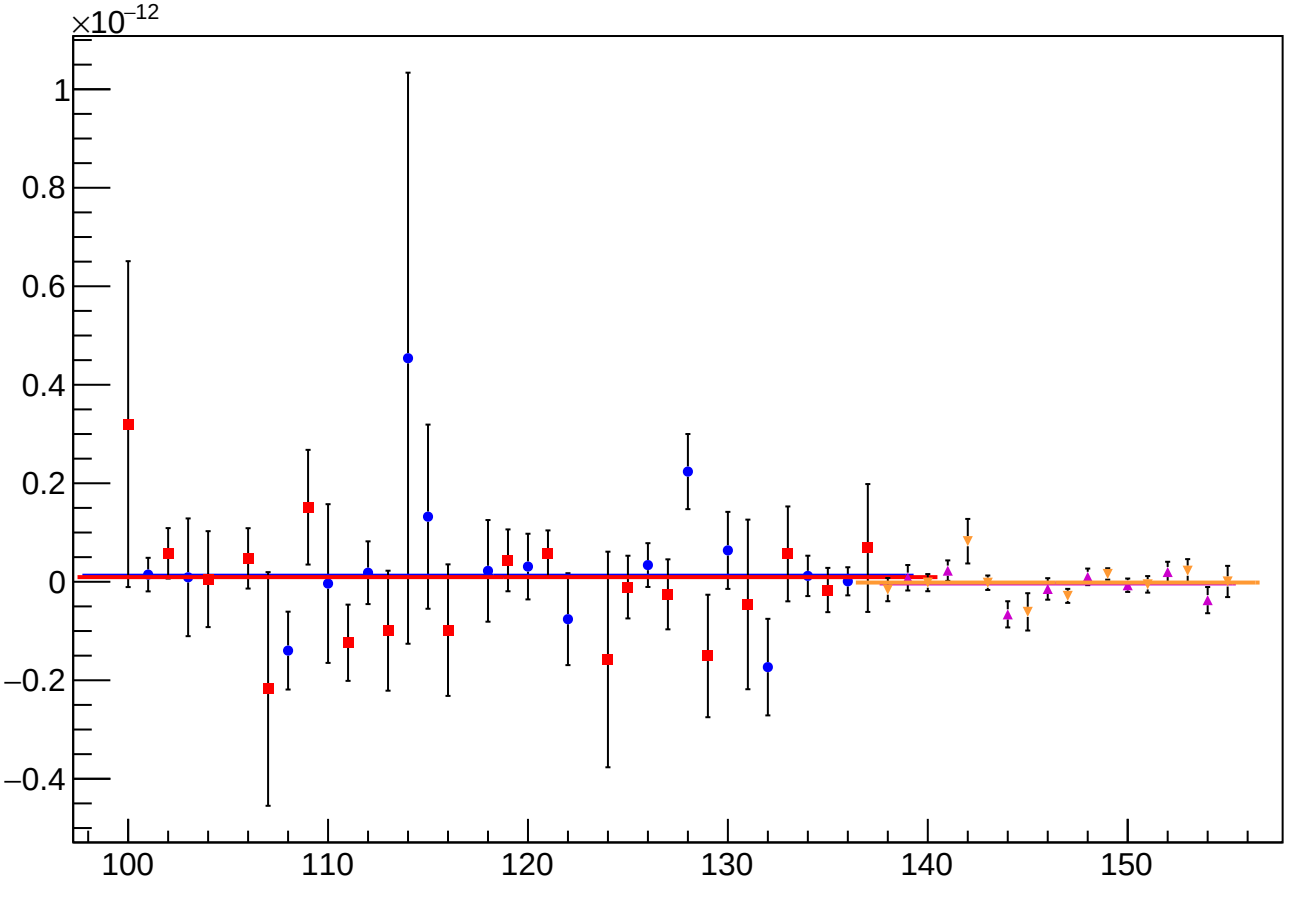
Left: 1992.258+/-0.366 χ^2/NDF: 142864.3/17

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2047.668+/-0.389 χ^2/NDF:855496.7/23

Out: 2072.151+/-0.381 χ^2/NDF:949391.8/28

All: 2060.176+/-0.272 χ^2/NDF: 1806908.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.2/7

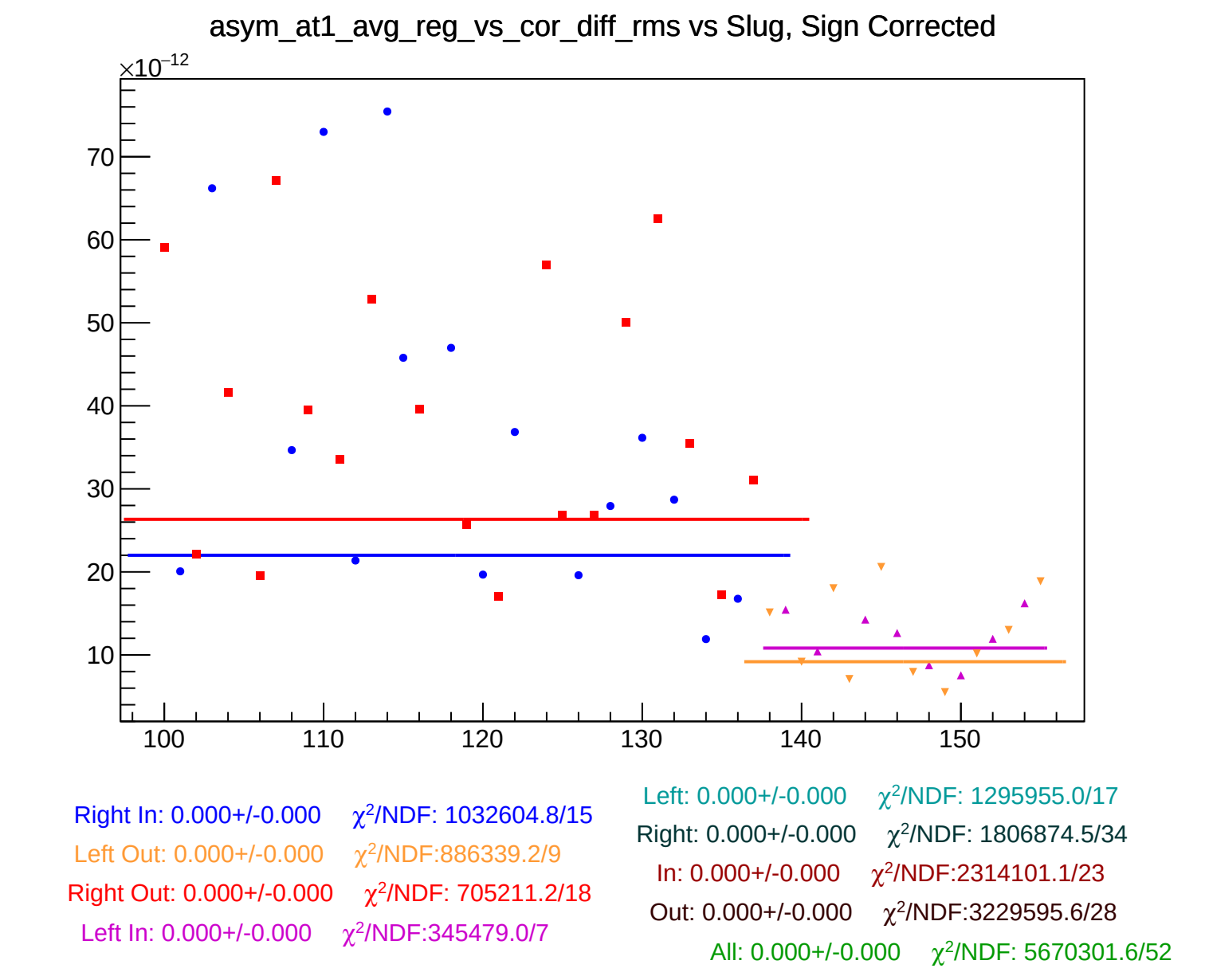
Left: -0.000+/-0.000 χ^2/NDF: 24.5/17

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

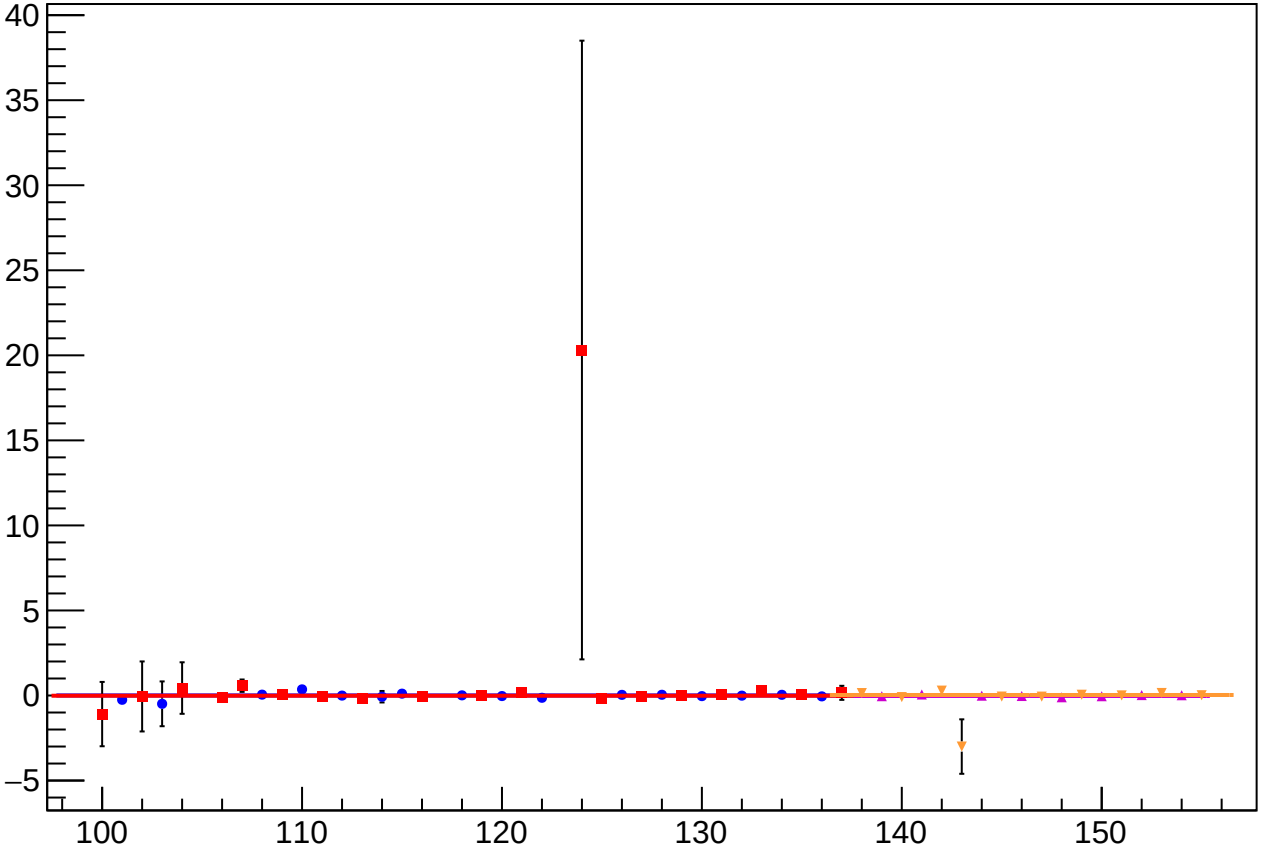
In: -0.000+/-0.000 χ^2/NDF:29.9/23

Out: -0.000+/-0.000 χ^2/NDF:27.4/28

All: -0.000+/-0.000 χ^2/NDF: 57.3/52


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:886339.2/9
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:345479.0/7
Left: 0.000+/-0.000 χ²/NDF: 1295955.0/17
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:2314101.1/23
Out: 0.000+/-0.000 χ²/NDF:3229595.6/28
All: 0.000+/-0.000 χ²/NDF: 5670301.6/52

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: 0.030+/-0.021 χ^2/NDF:20.6/9

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.028+/-0.021 χ^2/NDF:5.7/7

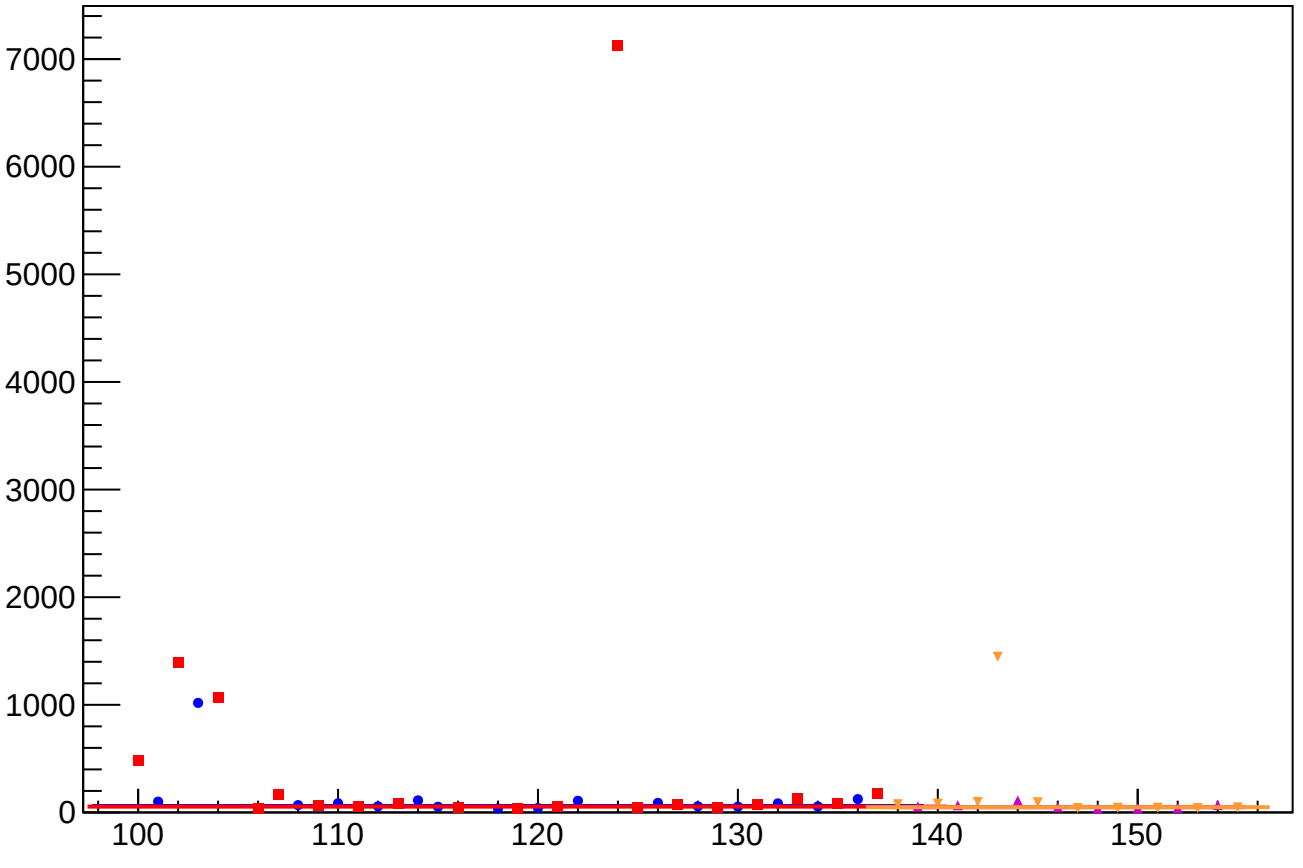
Left: 0.001+/-0.015 χ^2/NDF: 30.1/17

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.016+/-0.016 χ^2/NDF:18.0/23

Out: 0.013+/-0.016 χ^2/NDF:39.8/28

All: -0.001+/-0.012 χ^2/NDF: 59.4/52



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 48.955+/-0.015 χ^2/NDF:2620968.0/9

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 48.958+/-0.015 χ^2/NDF:1038475.4/7

Left: 48.956+/-0.010 χ^2/NDF: 3659443.5/17

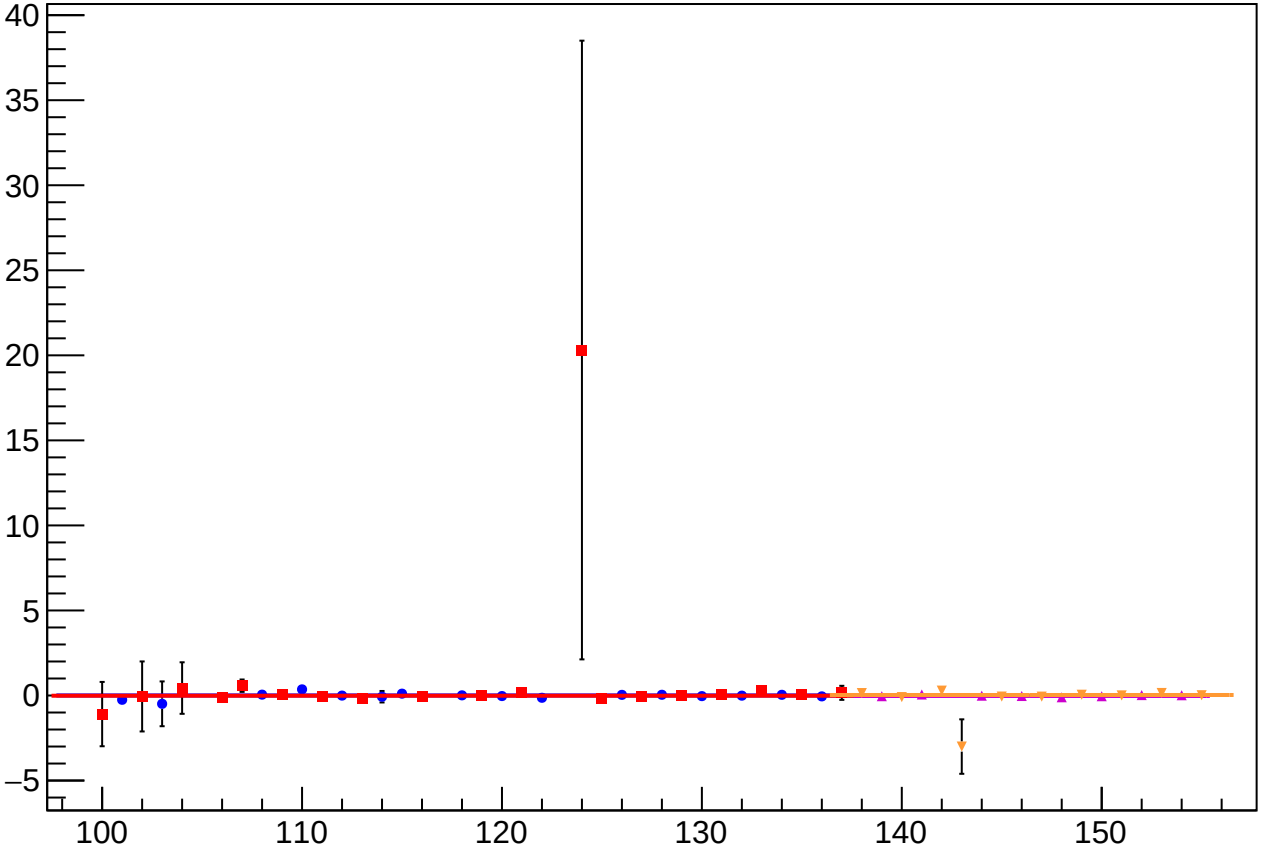
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 53.050+/-0.012 χ^2/NDF:3784356.1/23

Out: 51.030+/-0.011 χ^2/NDF:6193701.8/28

All: 52.026+/-0.008 χ^2/NDF: 9993459.9/52

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: 0.030+/-0.021 χ^2/NDF:20.6/9

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.028+/-0.021 χ^2/NDF:5.7/7

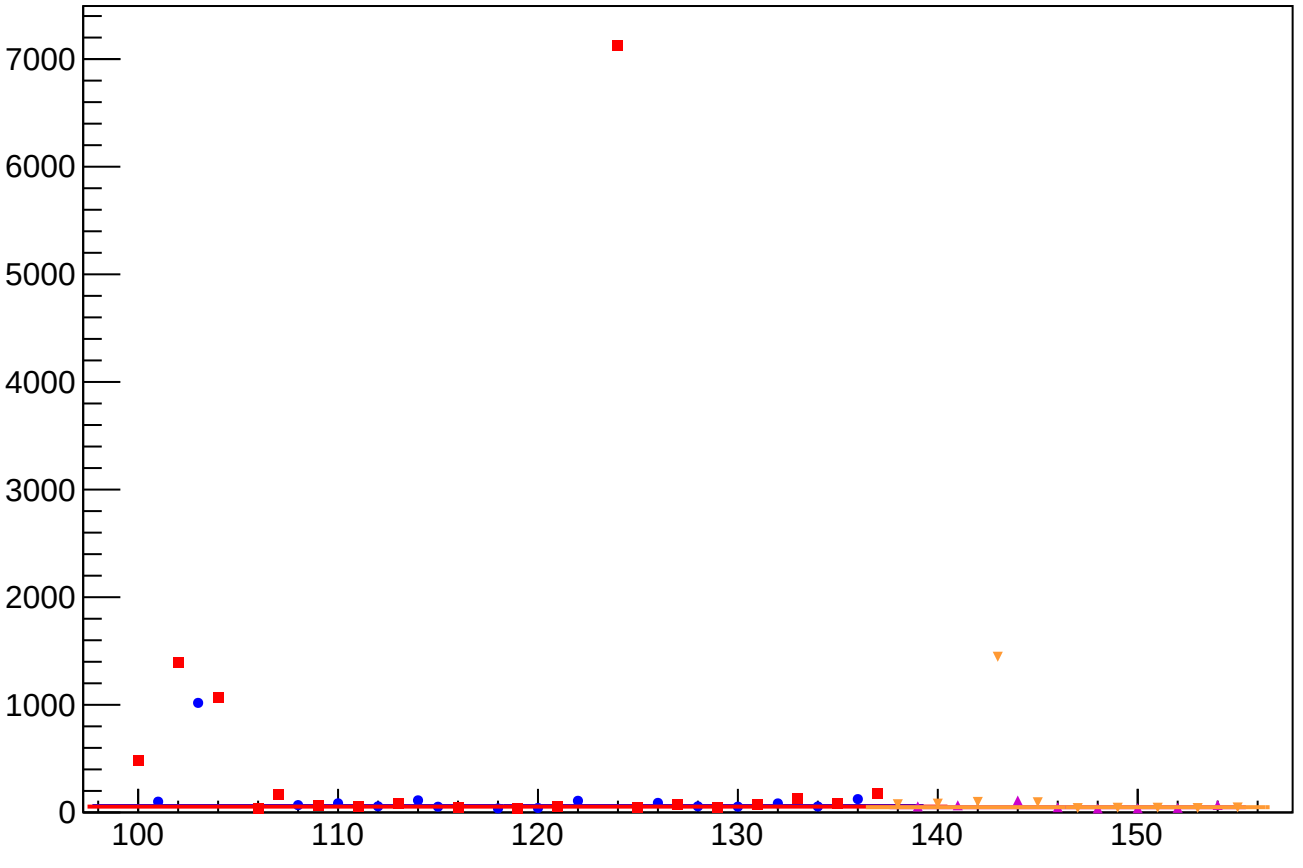
Left: 0.001+/-0.015 χ^2/NDF: 30.1/17

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.016+/-0.016 χ^2/NDF:18.0/23

Out: 0.013+/-0.016 χ^2/NDF:39.8/28

All: -0.001+/-0.012 χ^2/NDF: 59.4/52



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 48.955+/-0.015 χ^2/NDF:2620968.0/9

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 48.958+/-0.015 χ^2/NDF:1038475.4/7

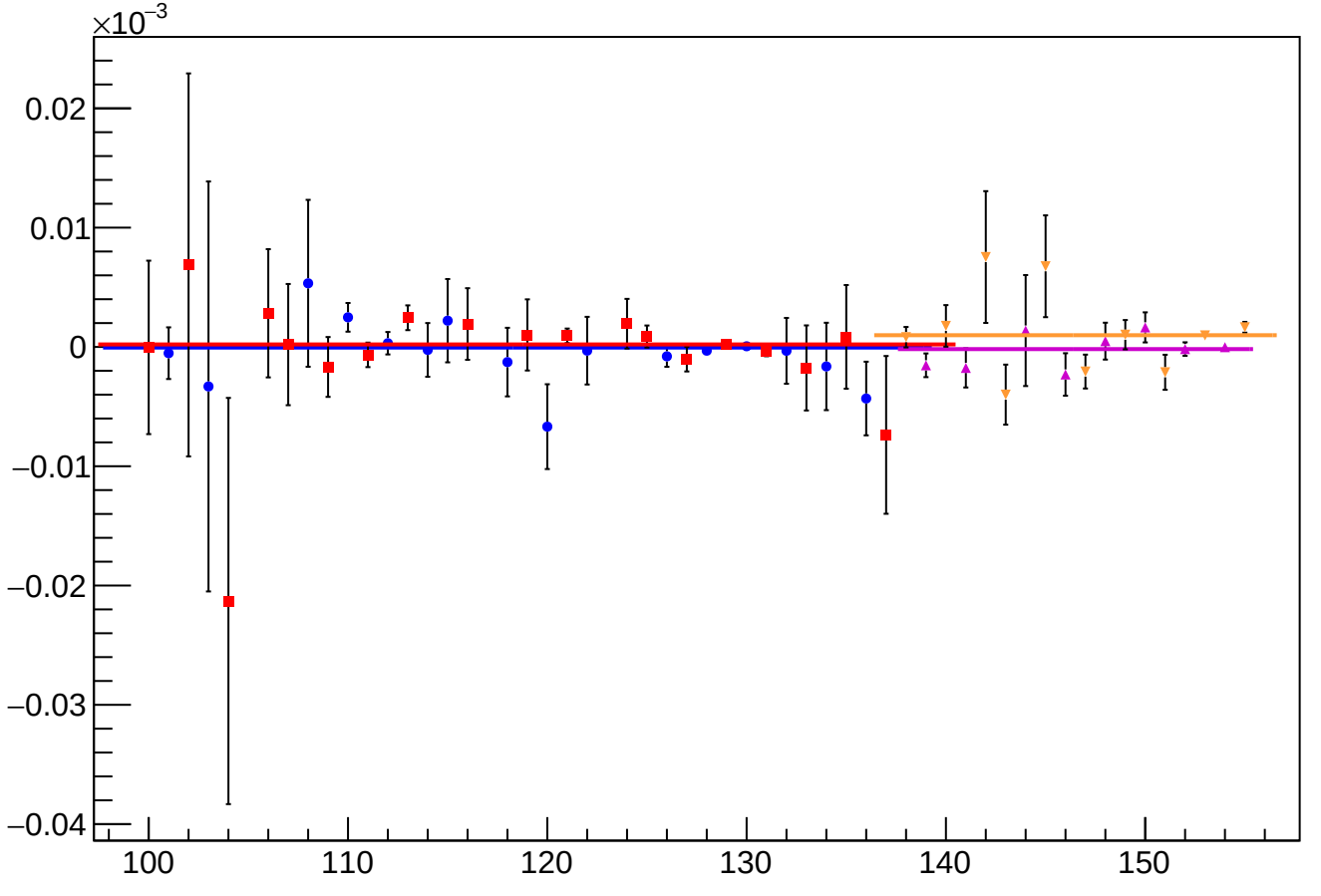
Left: 48.956+/-0.010 χ^2/NDF: 3659443.5/17

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 53.050+/-0.012 χ^2/NDF:3784356.1/23

Out: 51.030+/-0.011 χ^2/NDF:6193701.8/28

All: 52.026+/-0.008 χ^2/NDF: 9993459.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/7

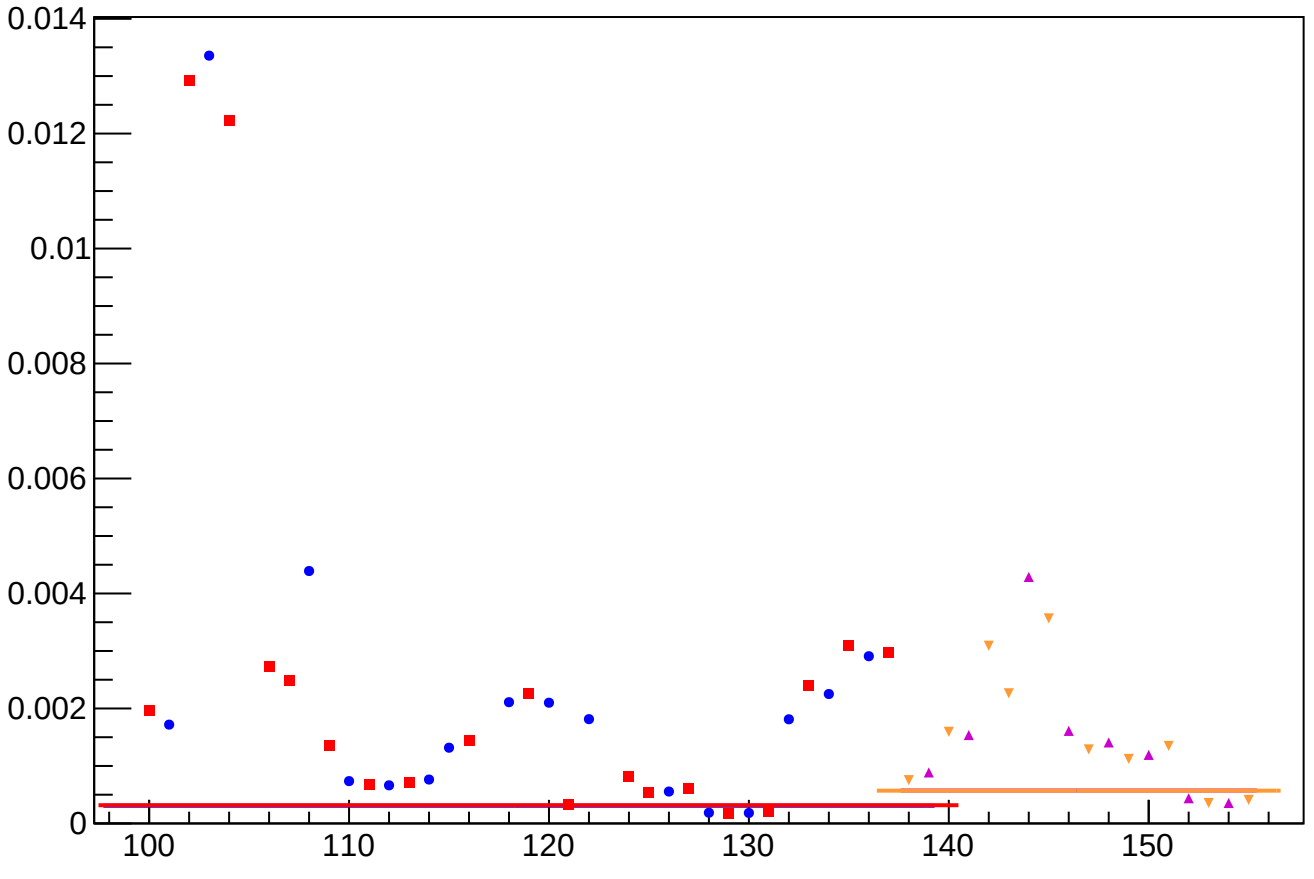
Left: 0.000+/-0.000 χ^2/NDF: 34.8/17

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:19.8/23

Out: 0.000+/-0.000 χ^2/NDF:40.0/28

All: 0.000+/-0.000 χ^2/NDF: 66.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:5417337.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:4679684.6/7

Left: 0.001+/-0.000 χ^2/NDF: 10097119.0/17

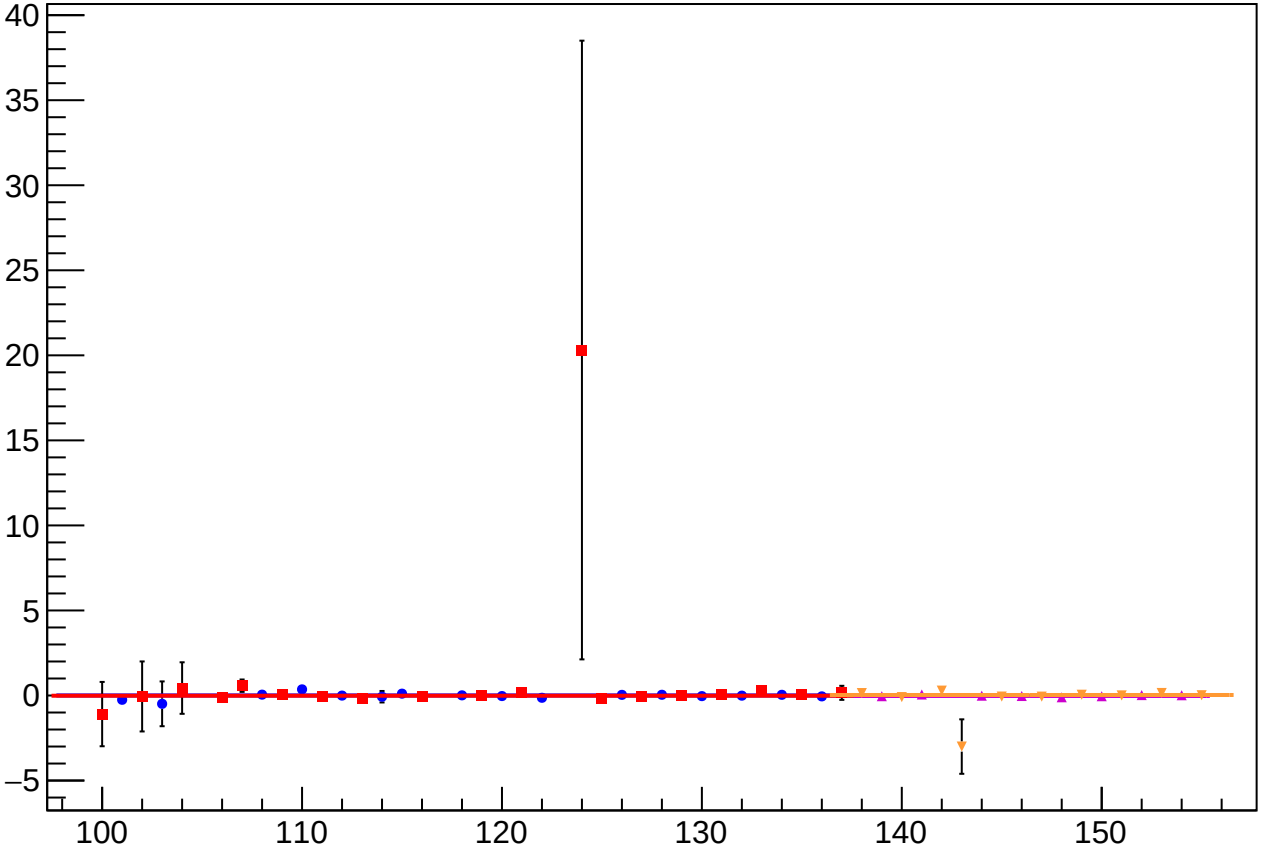
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:14651026.9/23

Out: 0.000+/-0.000 χ^2/NDF:14666554.2/28

All: 0.000+/-0.000 χ^2/NDF: 29324993.8/52

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: 0.030+/-0.021 χ^2/NDF:20.6/9

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.028+/-0.021 χ^2/NDF:5.7/7

Left: 0.001+/-0.015 χ^2/NDF: 30.1/17

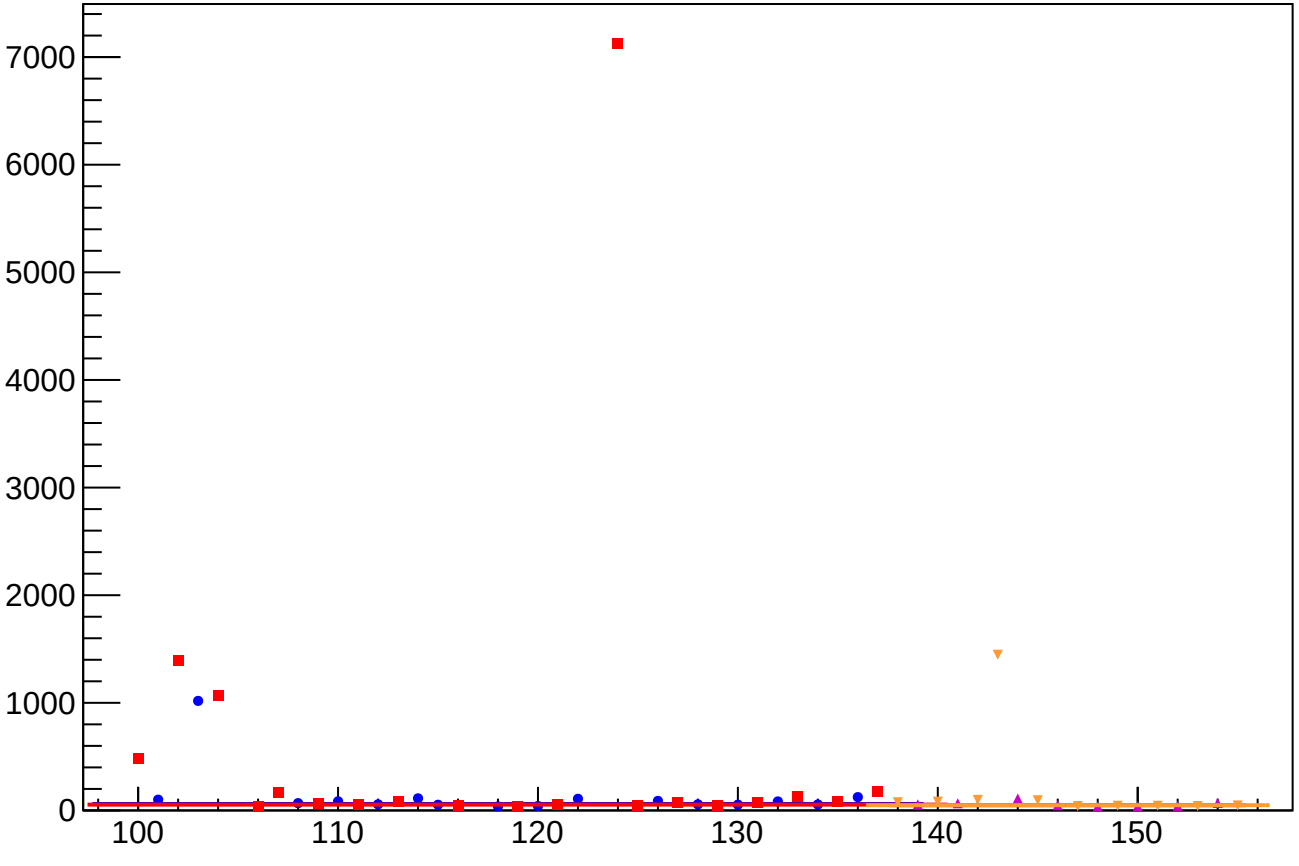
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.016+/-0.016 χ^2/NDF:18.0/23

Out: 0.013+/-0.016 χ^2/NDF:39.8/28

All: -0.001+/-0.012 χ^2/NDF: 59.4/52

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: 48.955+/-0.015 χ^2/NDF:2620951.8/9

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 48.958+/-0.015 χ^2/NDF:1038476.4/7

Left: 48.956+/-0.010 χ^2/NDF: 3659428.2/17

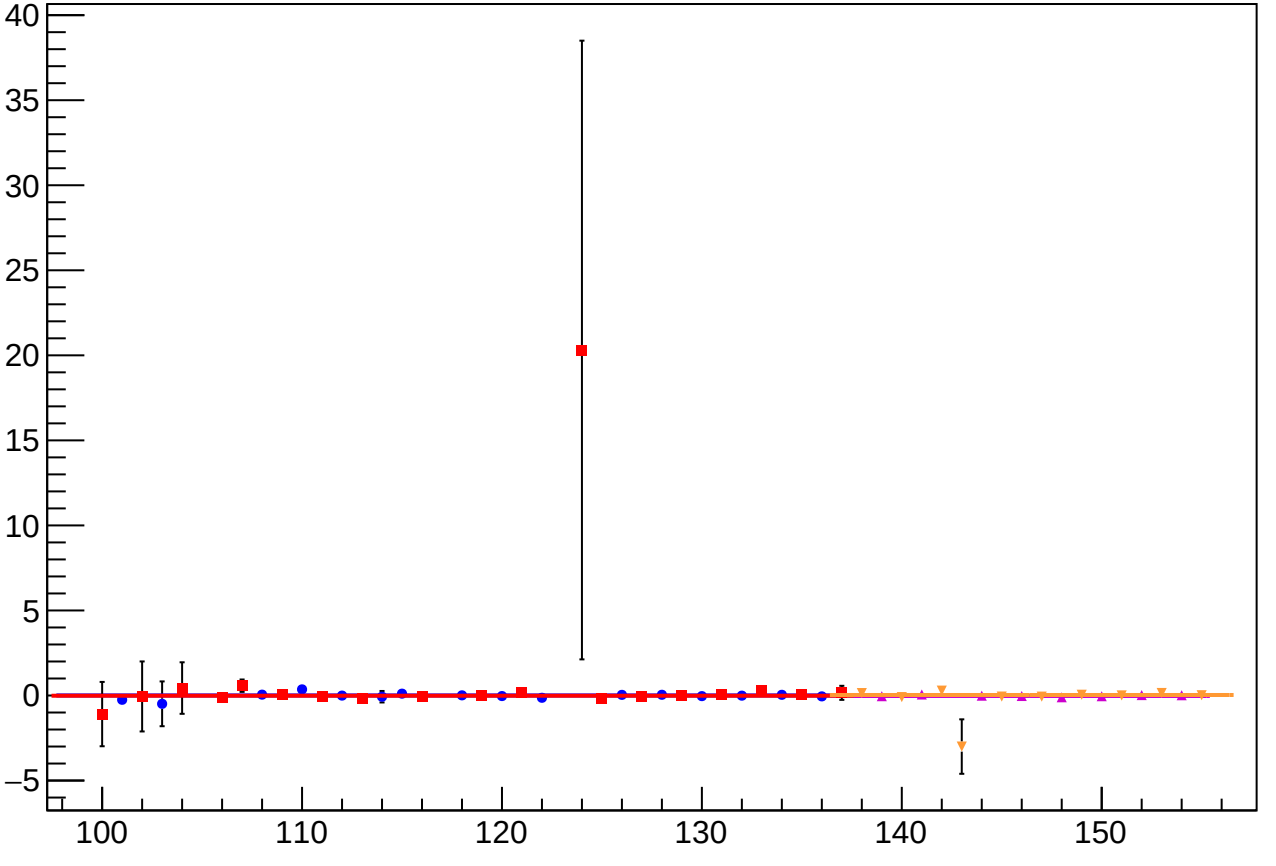
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 53.050+/-0.012 χ^2/NDF:3784363.7/23

Out: 51.030+/-0.011 χ^2/NDF:6193722.0/28

All: 52.026+/-0.008 χ^2/NDF: 9993490.6/52

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: 0.030+/-0.021 χ^2/NDF:20.6/9

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.028+/-0.021 χ^2/NDF:5.7/7

Left: 0.001+/-0.015 χ^2/NDF: 30.1/17

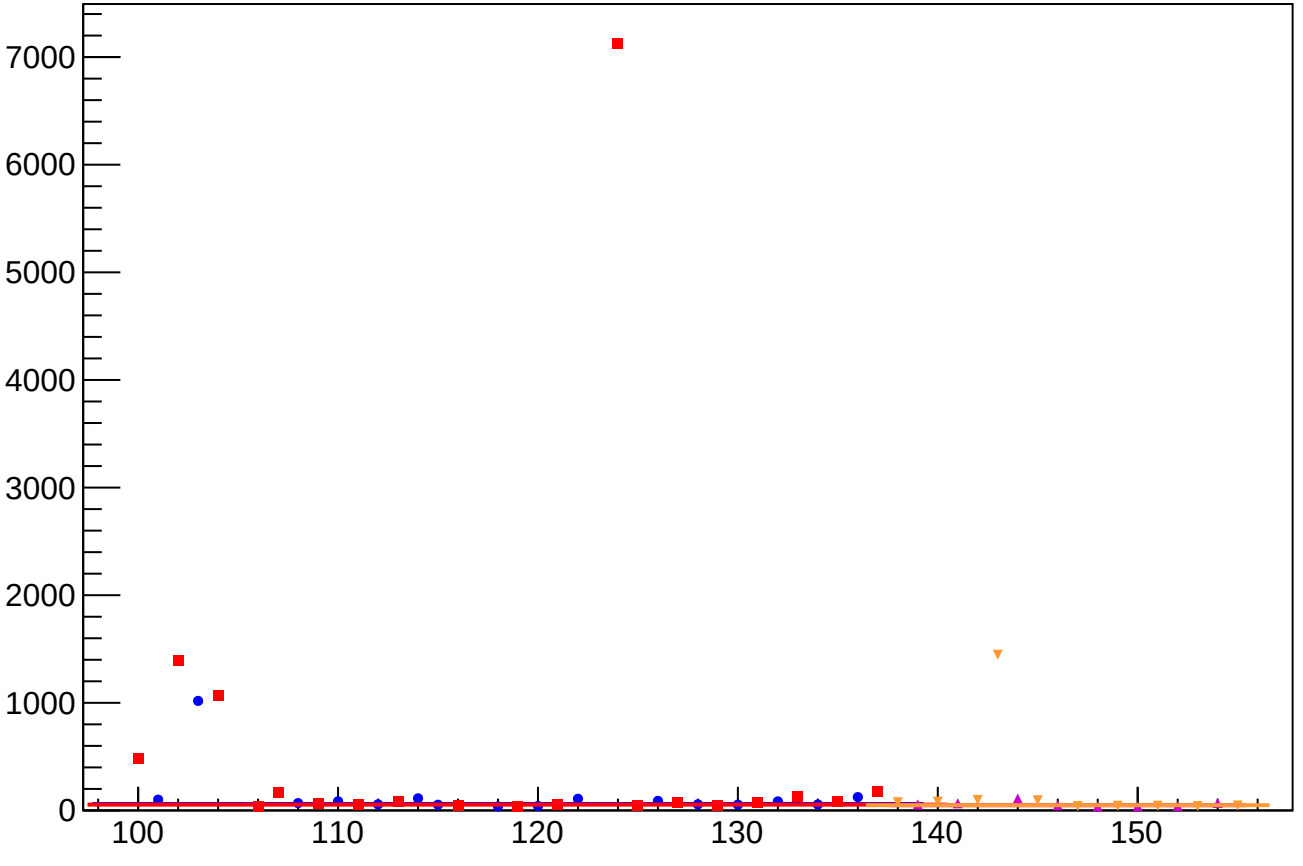
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.016+/-0.016 χ^2/NDF:18.0/23

Out: 0.013+/-0.016 χ^2/NDF:39.8/28

All: -0.001+/-0.012 χ^2/NDF: 59.4/52

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 48.955+/-0.015 χ^2/NDF:2620951.8/9

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 48.958+/-0.015 χ^2/NDF:1038476.4/7

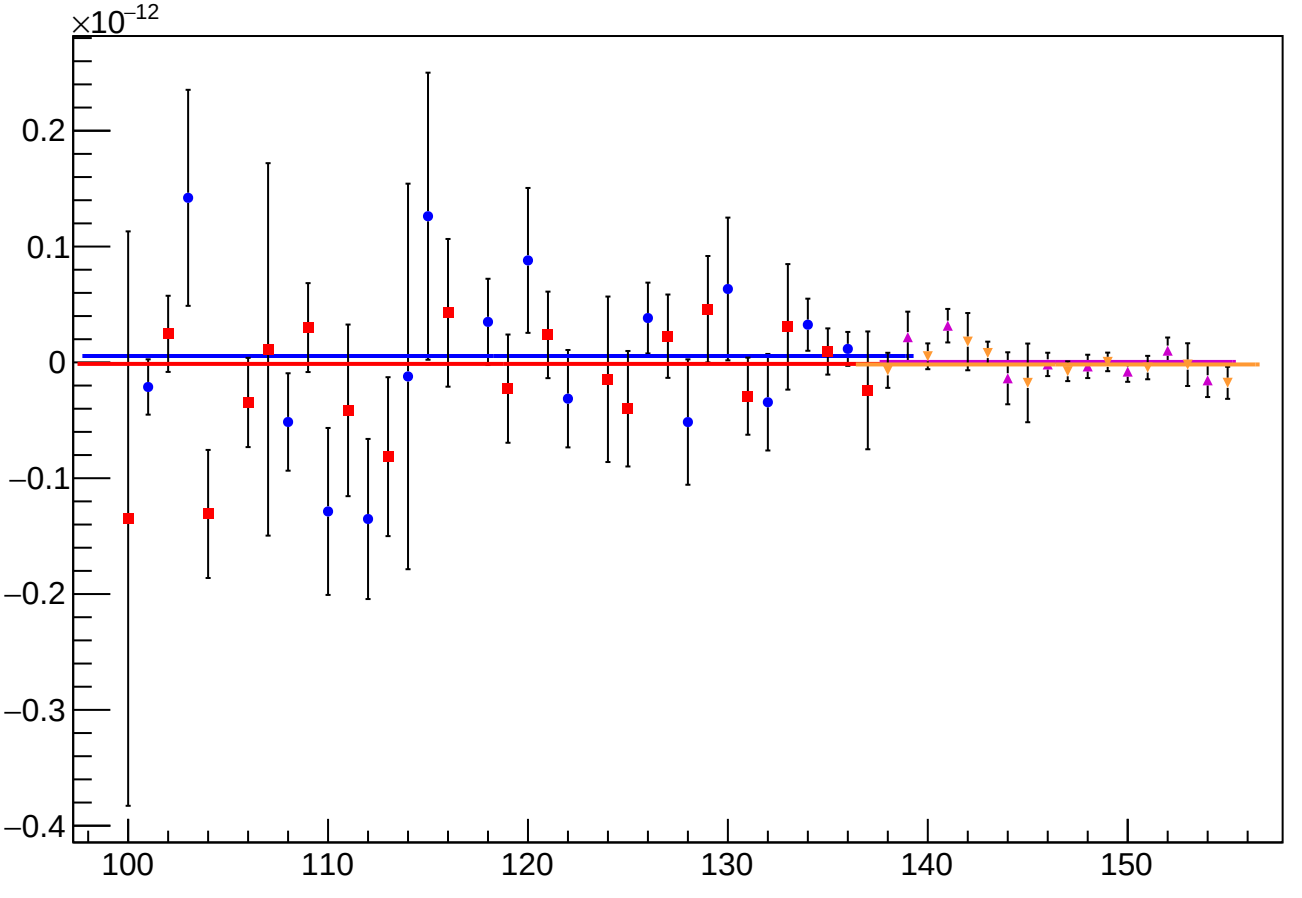
Left: 48.956+/-0.010 χ^2/NDF: 3659428.2/17

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 53.050+/-0.012 χ^2/NDF:3784363.7/23

Out: 51.030+/-0.011 χ^2/NDF:6193722.0/28

All: 52.026+/-0.008 χ^2/NDF: 9993490.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.3/9

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.0/7

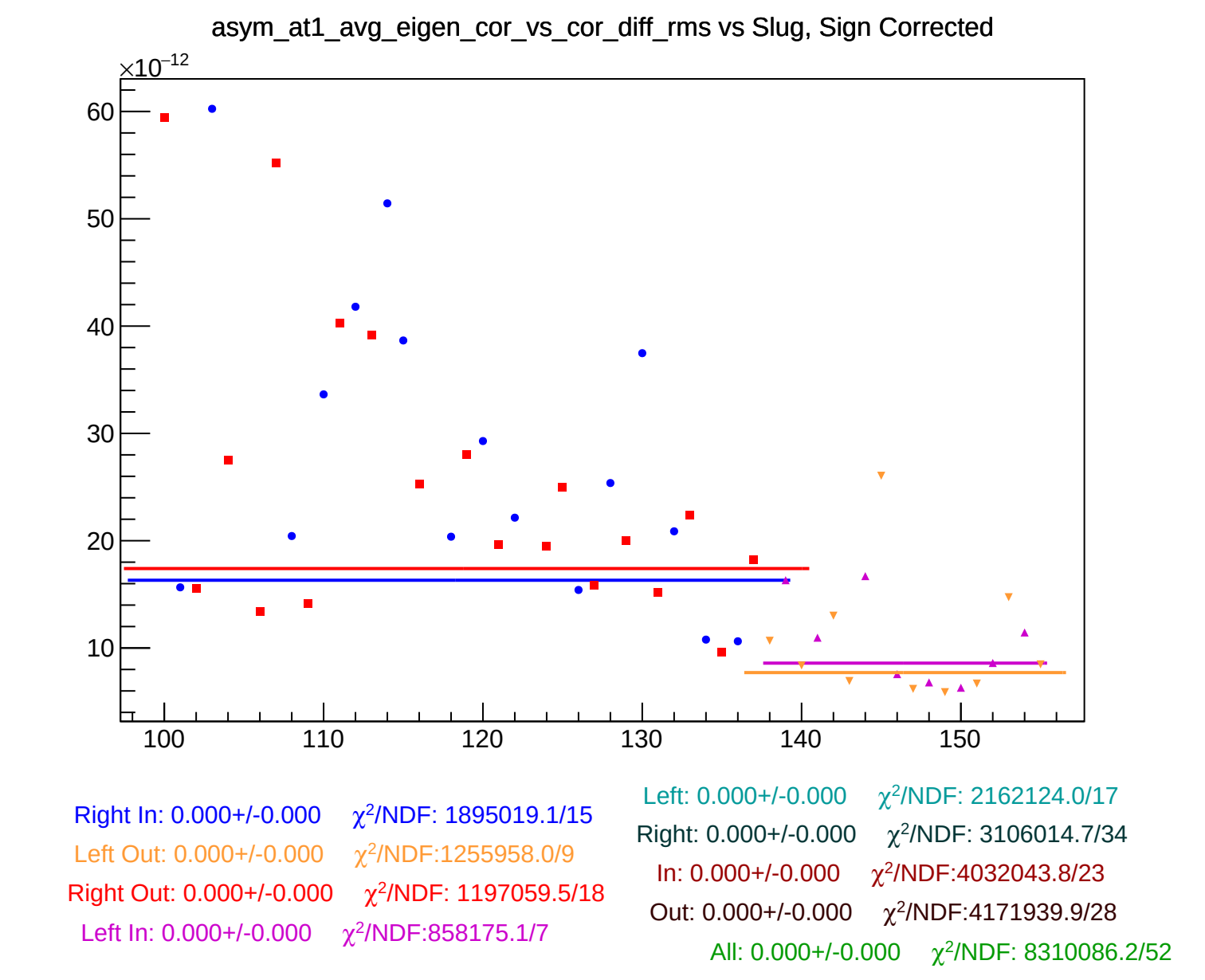
Left: -0.000+/-0.000 χ^2/NDF: 13.5/17

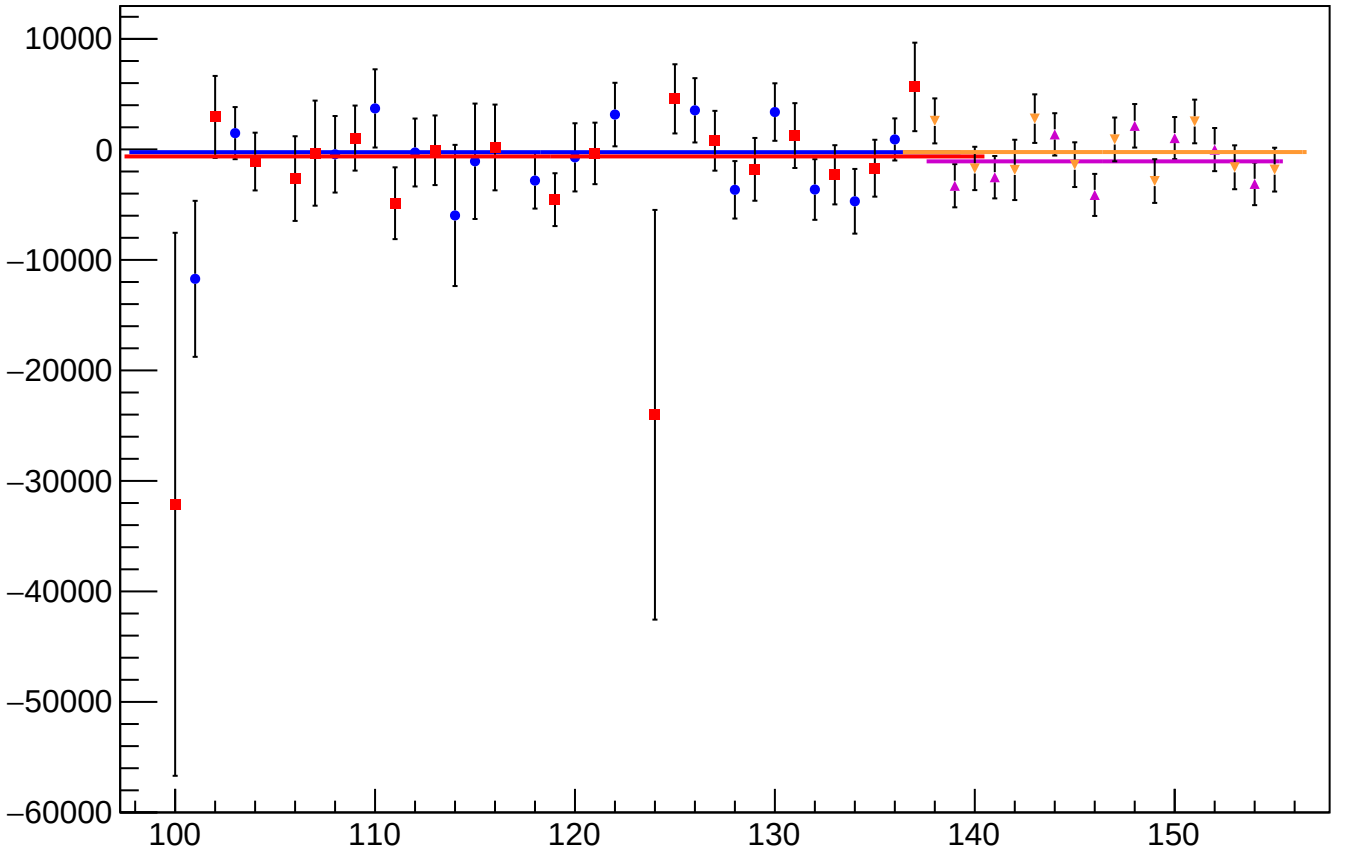
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: 0.000+/-0.000 χ^2/NDF:31.9/23

Out: -0.000+/-0.000 χ^2/NDF:18.6/28

All: -0.000+/-0.000 χ^2/NDF: 50.9/52


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:1255958.0/9
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:858175.1/7
Left: 0.000+/-0.000 χ²/NDF: 2162124.0/17
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:4032043.8/23
Out: 0.000+/-0.000 χ²/NDF:4171939.9/28
All: 0.000+/-0.000 χ²/NDF: 8310086.2/52



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -239.828+/-650.756 χ^2/NDF:10.2/9

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -1082.179+/-682.388 χ^2/NDF:11.3/7

Left: -641.028+/-470.940 χ^2/NDF: 22.3/17

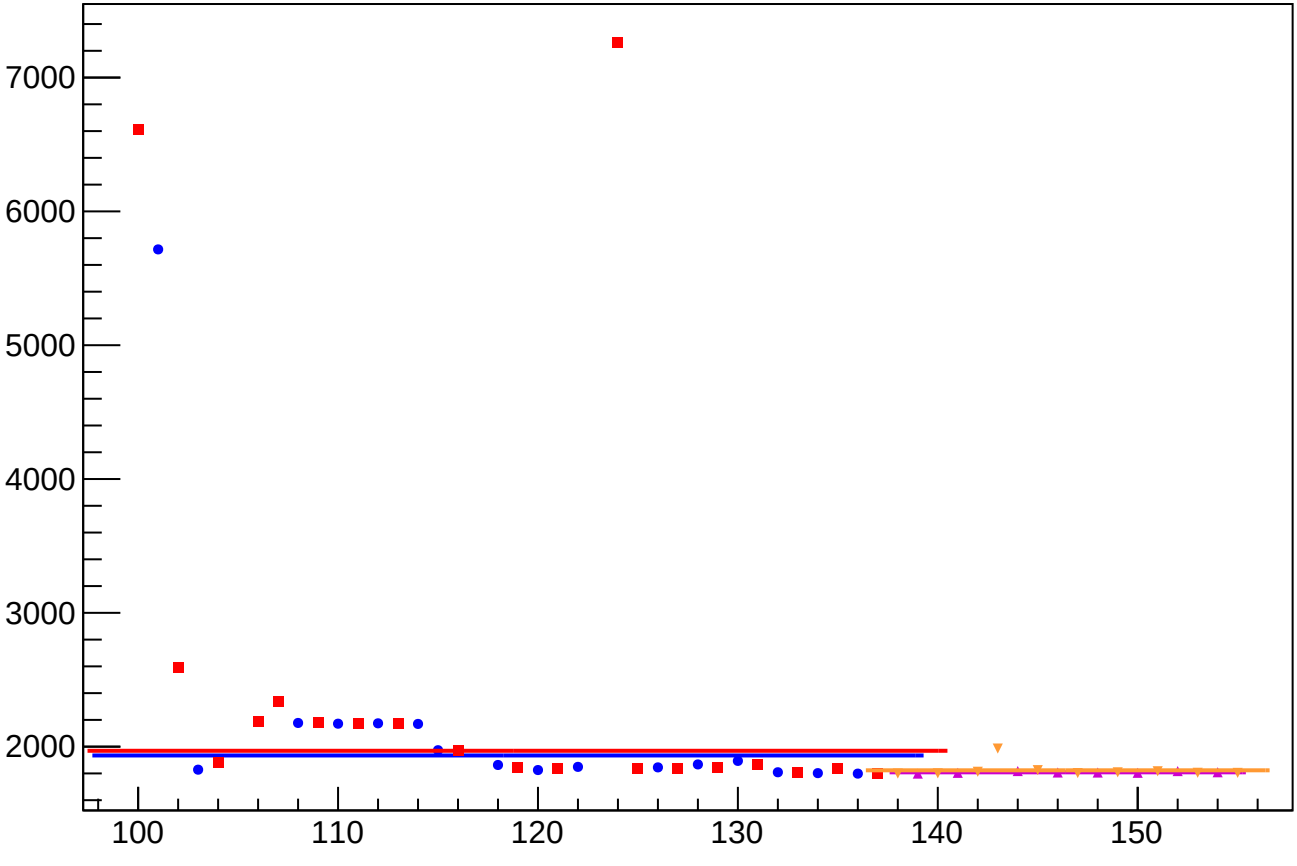
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -697.600+/-500.123 χ^2/NDF:29.3/23

Out: -413.828+/-487.368 χ^2/NDF:26.3/28

All: -552.049+/-349.043 χ^2/NDF: 55.7/52

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1823.282+/-0.460 χ^2/NDF:12254.3/9

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1808.202+/-0.483 χ^2/NDF:158.7/7

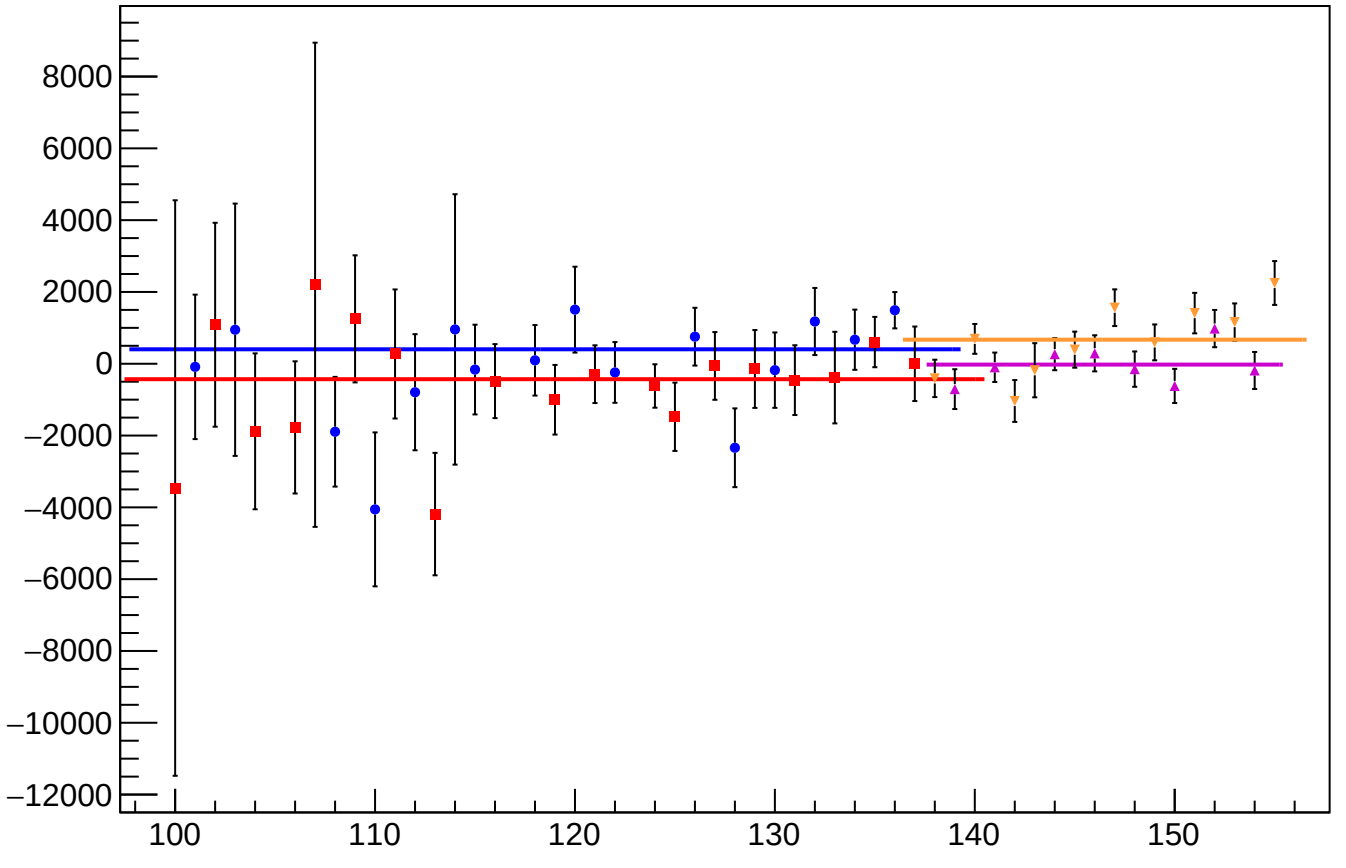
Left: 1816.100+/-0.333 χ^2/NDF: 12924.6/17

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1866.529+/-0.354 χ^2/NDF:671647.4/23

Out: 1887.358+/-0.345 χ^2/NDF:434791.1/28

All: 1877.212+/-0.247 χ^2/NDF: 1108218.0/52



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 670.645+/-167.859 χ^2/NDF:26.8/9

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -23.544+/-171.049 χ^2/NDF:7.8/7

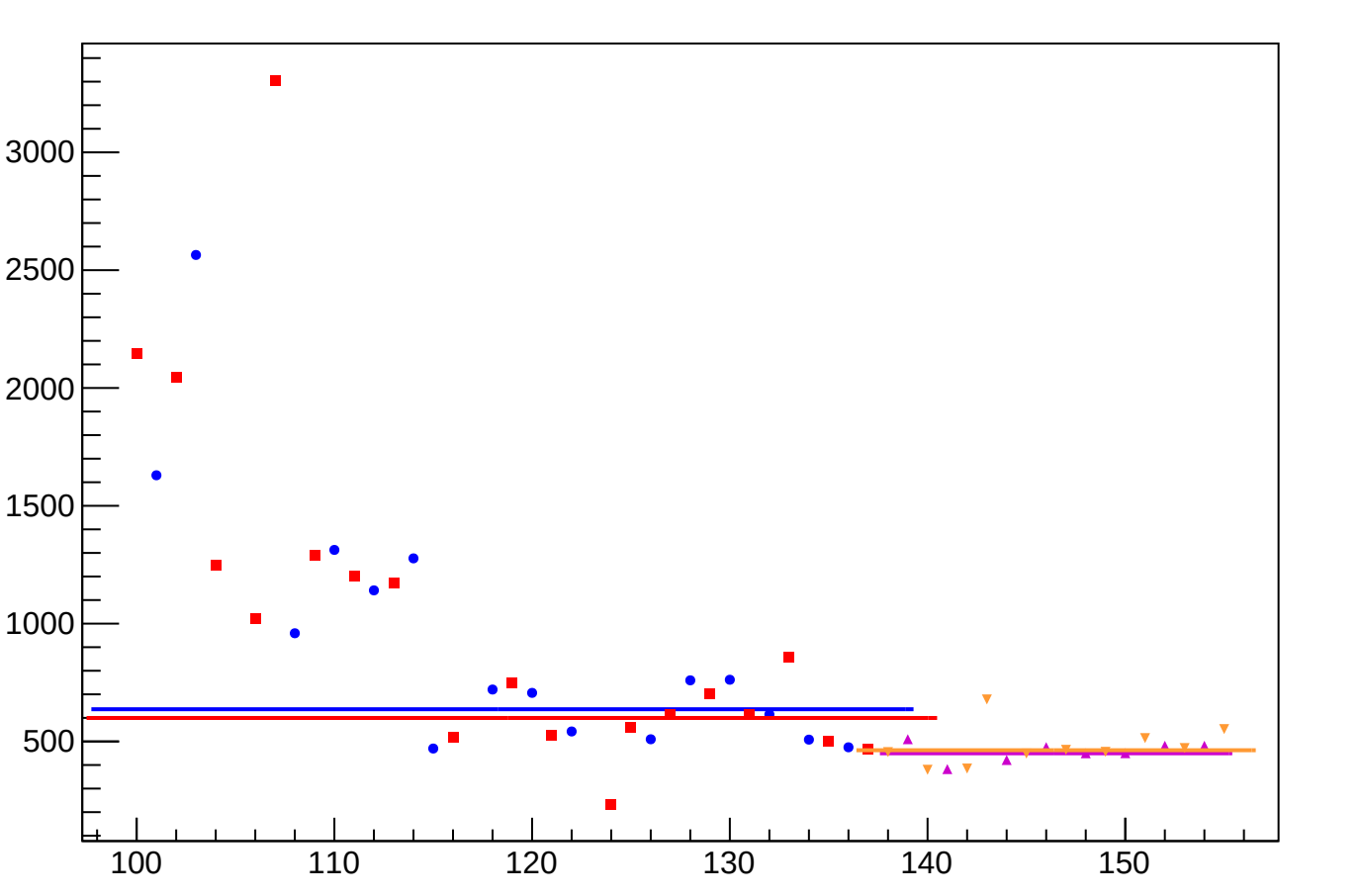
Left: 330.083+/-119.806 χ^2/NDF: 43.0/17

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 106.179+/-142.660 χ^2/NDF:30.8/23

Out: 333.884+/-139.843 χ^2/NDF:51.7/28

All: 222.302+/-99.865 χ^2/NDF: 83.9/52



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 462.729+/-0.119 χ^2/NDF:341433.6/9

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 449.752+/-0.121 χ^2/NDF:105504.4/7

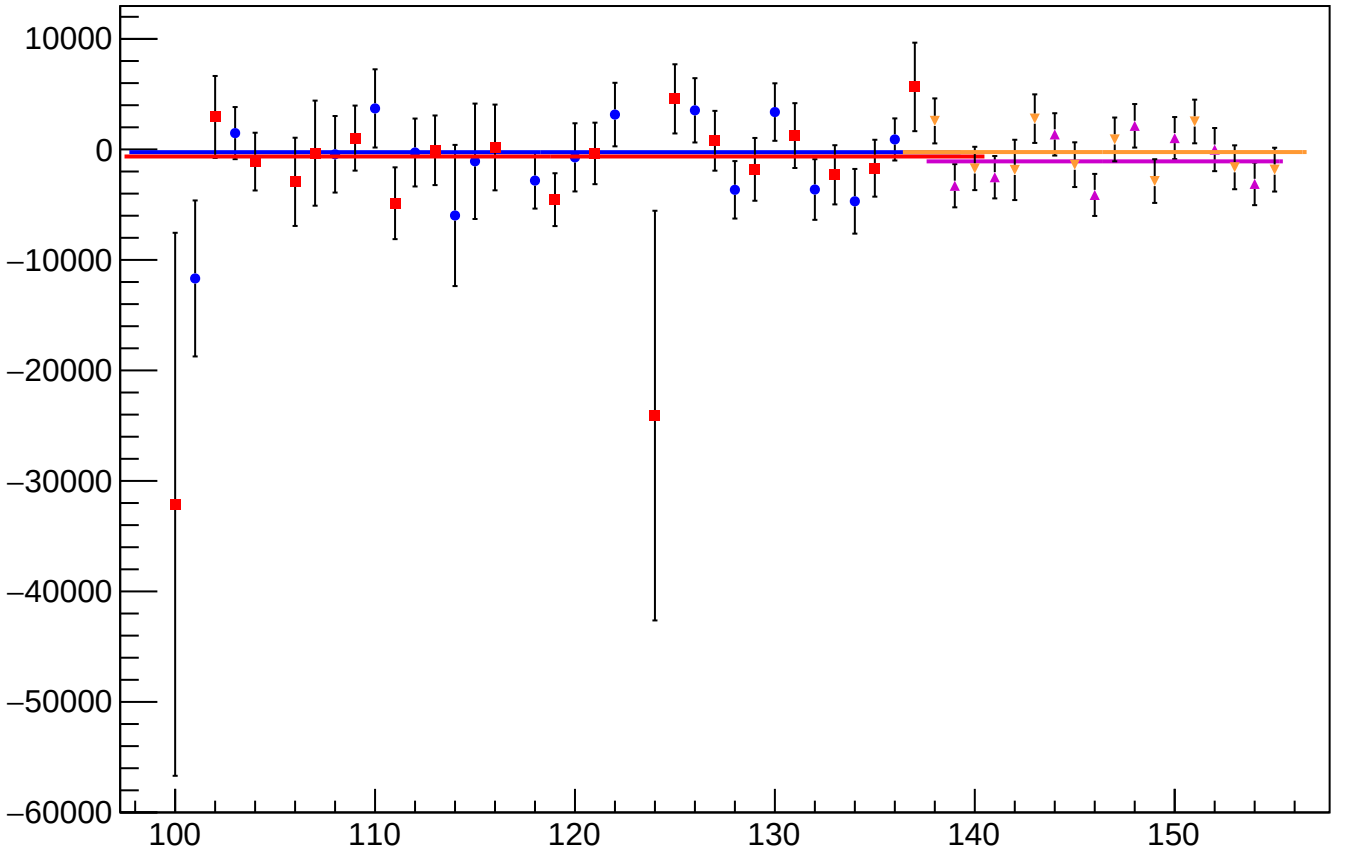
Left: 456.363+/-0.085 χ^2/NDF: 452802.5/17

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 506.657+/-0.101 χ^2/NDF:2899617.0/23

Out: 504.614+/-0.099 χ^2/NDF:3692546.0/28

All: 505.615+/-0.071 χ^2/NDF: 6592372.2/52



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -239.903+/-650.756 χ^2/NDF:10.2/9

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -1082.145+/-682.388 χ^2/NDF:11.3/7

Left: -641.051+/-470.940 χ^2/NDF: 22.3/17

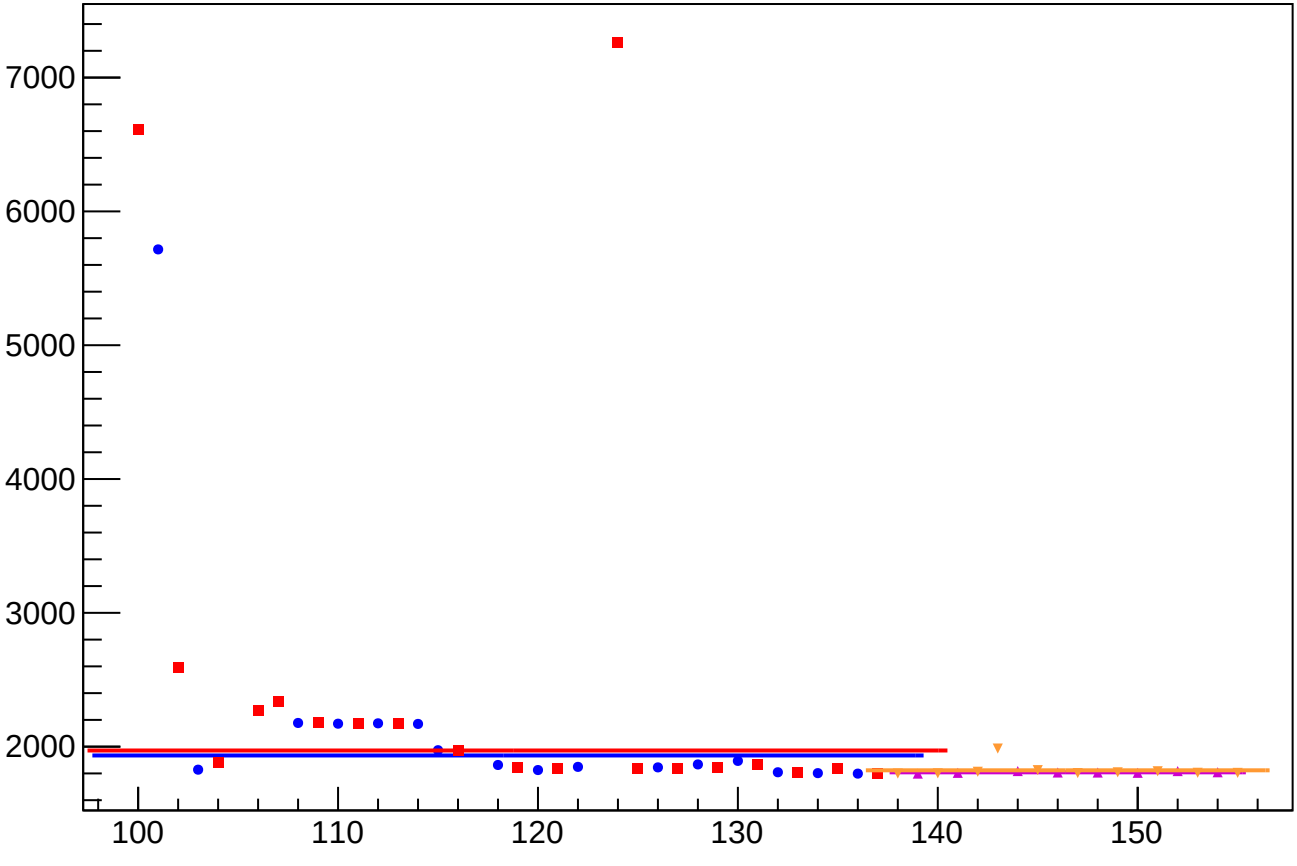
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -697.207+/-500.123 χ^2/NDF:29.2/23

Out: -415.682+/-487.679 χ^2/NDF:26.4/28

All: -552.899+/-349.157 χ^2/NDF: 55.8/52

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1823.282+/-0.460 χ^2/NDF:12254.3/9

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1808.202+/-0.483 χ^2/NDF:158.7/7

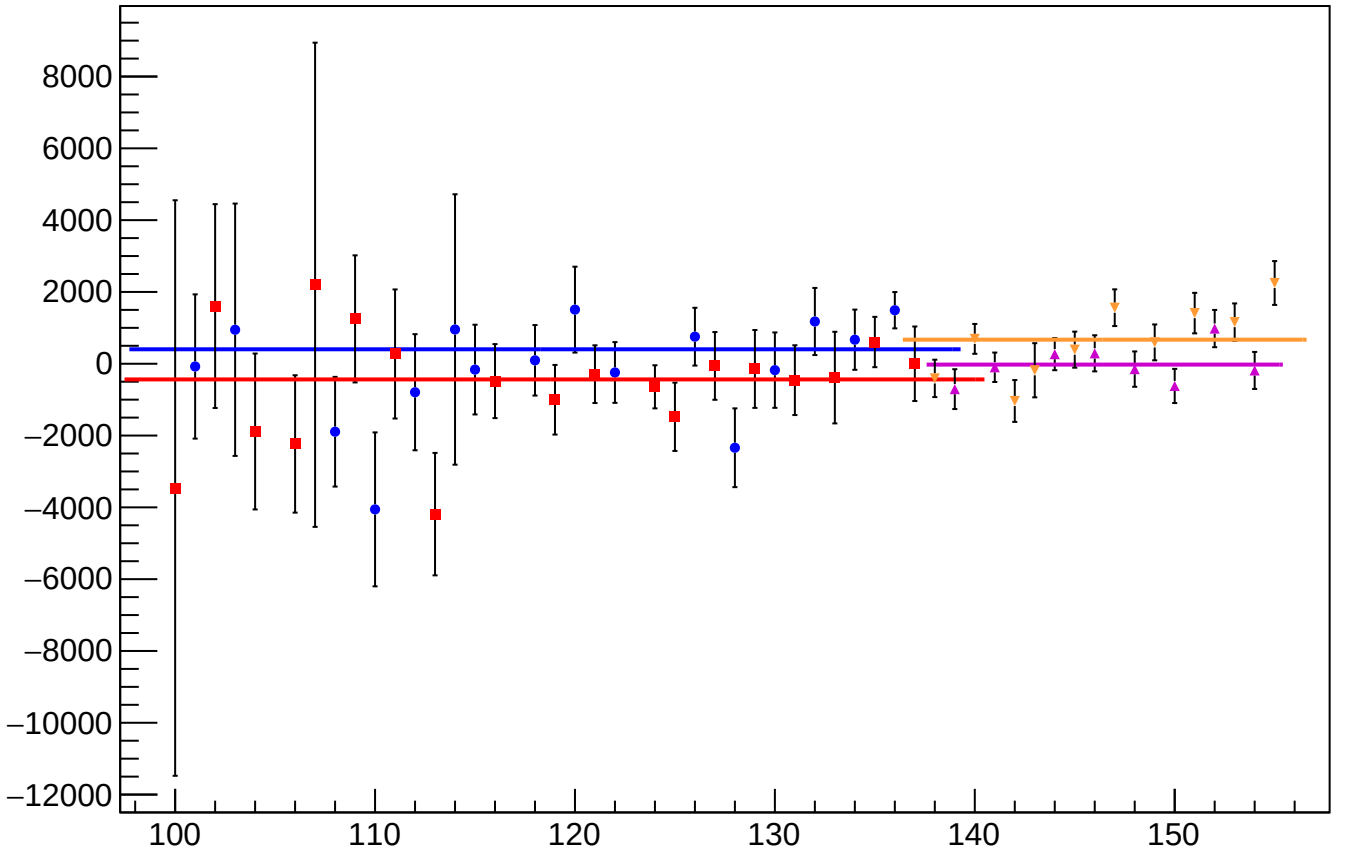
Left: 1816.100+/-0.333 χ^2/NDF: 12924.6/17

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1866.529+/-0.354 χ^2/NDF:671647.3/23

Out: 1888.198+/-0.345 χ^2/NDF:440827.1/28

All: 1877.636+/-0.247 χ^2/NDF: 1114399.0/52



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 670.583+/-167.861 χ^2/NDF:26.8/9

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -23.562+/-171.046 χ^2/NDF:7.8/7

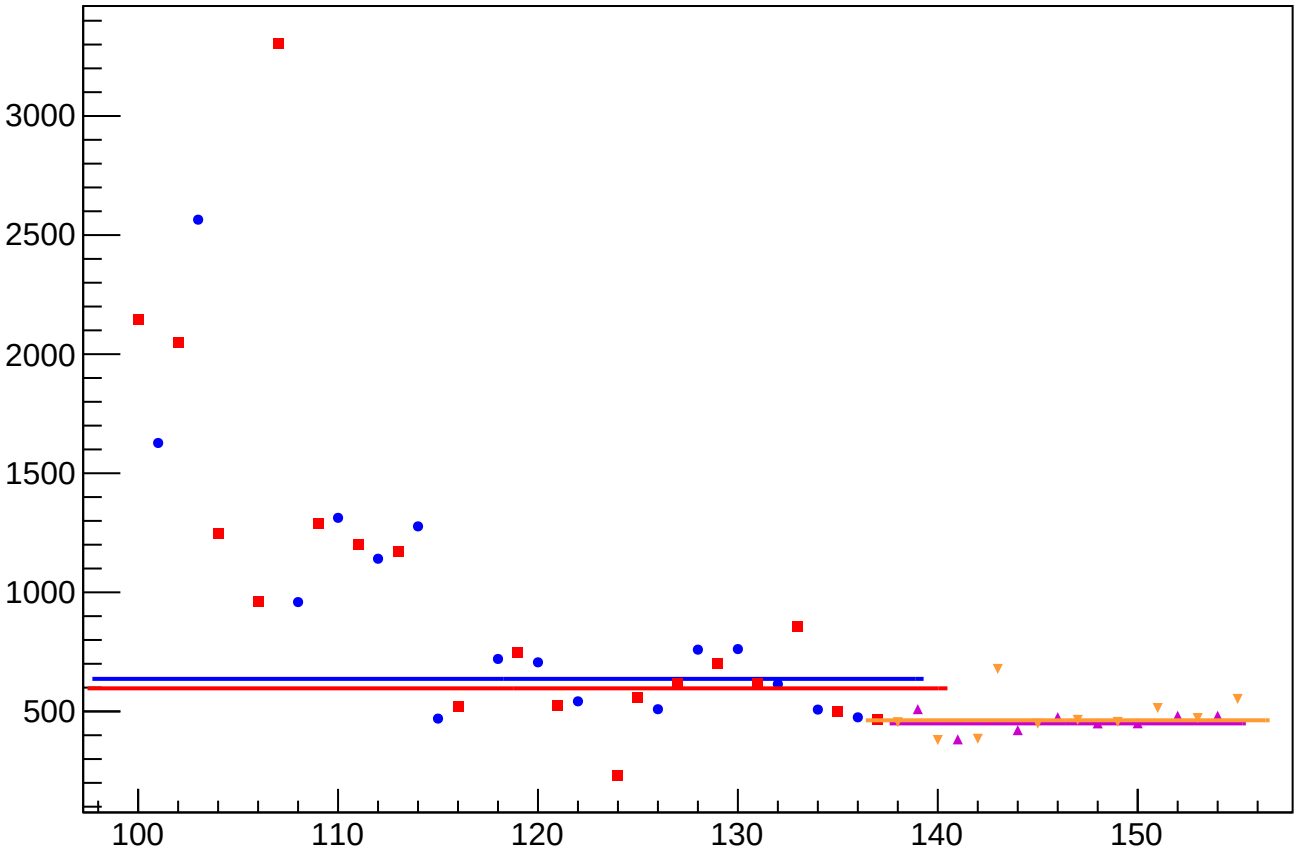
Left: 330.032+/-119.806 χ^2/NDF: 43.0/17

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 106.194+/-142.656 χ^2/NDF:30.9/23

Out: 331.528+/-139.819 χ^2/NDF:52.5/28

All: 221.124+/-99.855 χ^2/NDF: 84.6/52



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 462.735+/-0.119 χ^2/NDF:341375.8/9

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 449.743+/-0.121 χ^2/NDF:105498.4/7

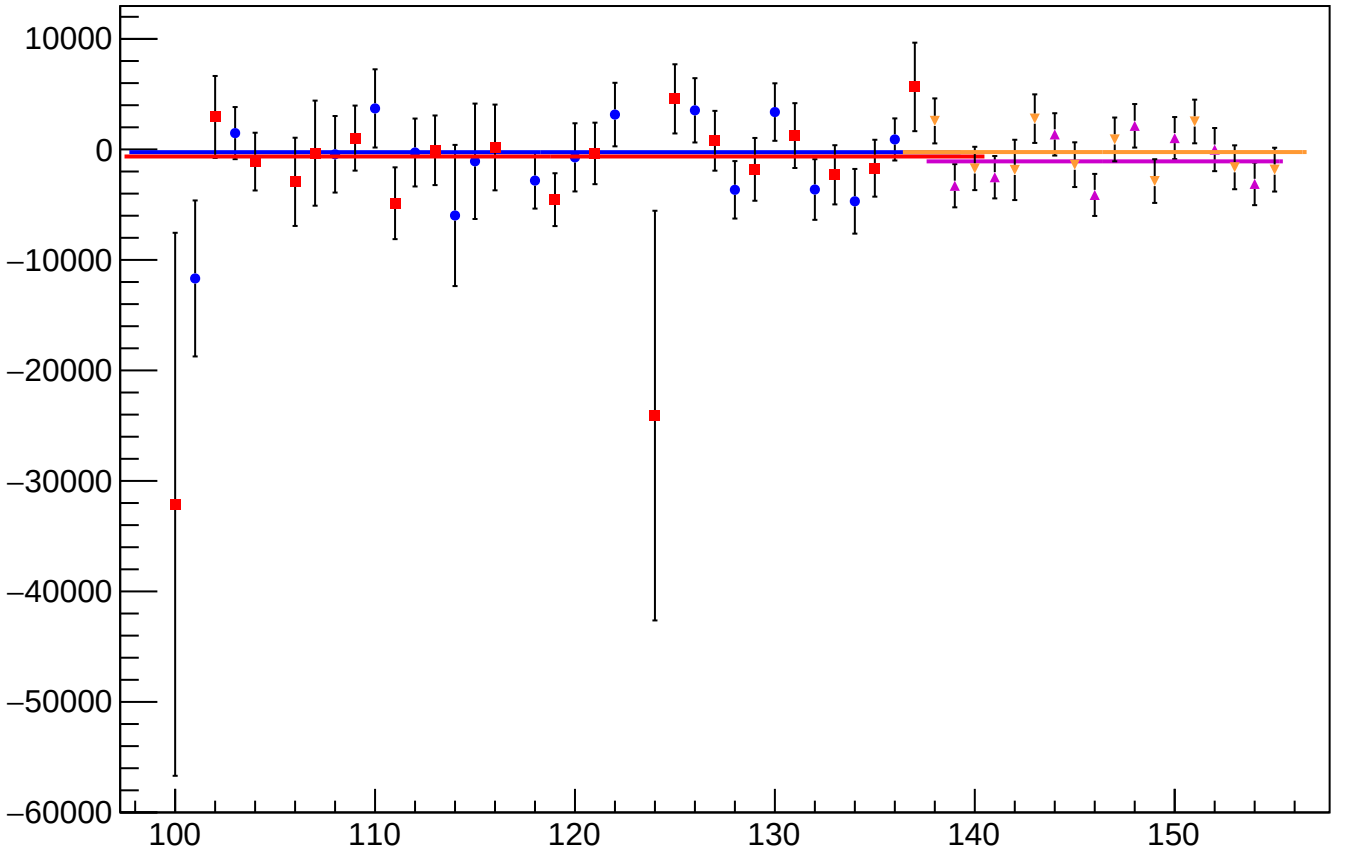
Left: 456.361+/-0.085 χ^2/NDF: 452751.6/17

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 506.653+/-0.101 χ^2/NDF:2898844.6/23

Out: 503.805+/-0.099 χ^2/NDF:3662821.0/28

All: 505.200+/-0.071 χ^2/NDF: 6562071.9/52



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -239.903+/-650.756 χ^2/NDF:10.2/9

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -1082.145+/-682.388 χ^2/NDF:11.3/7

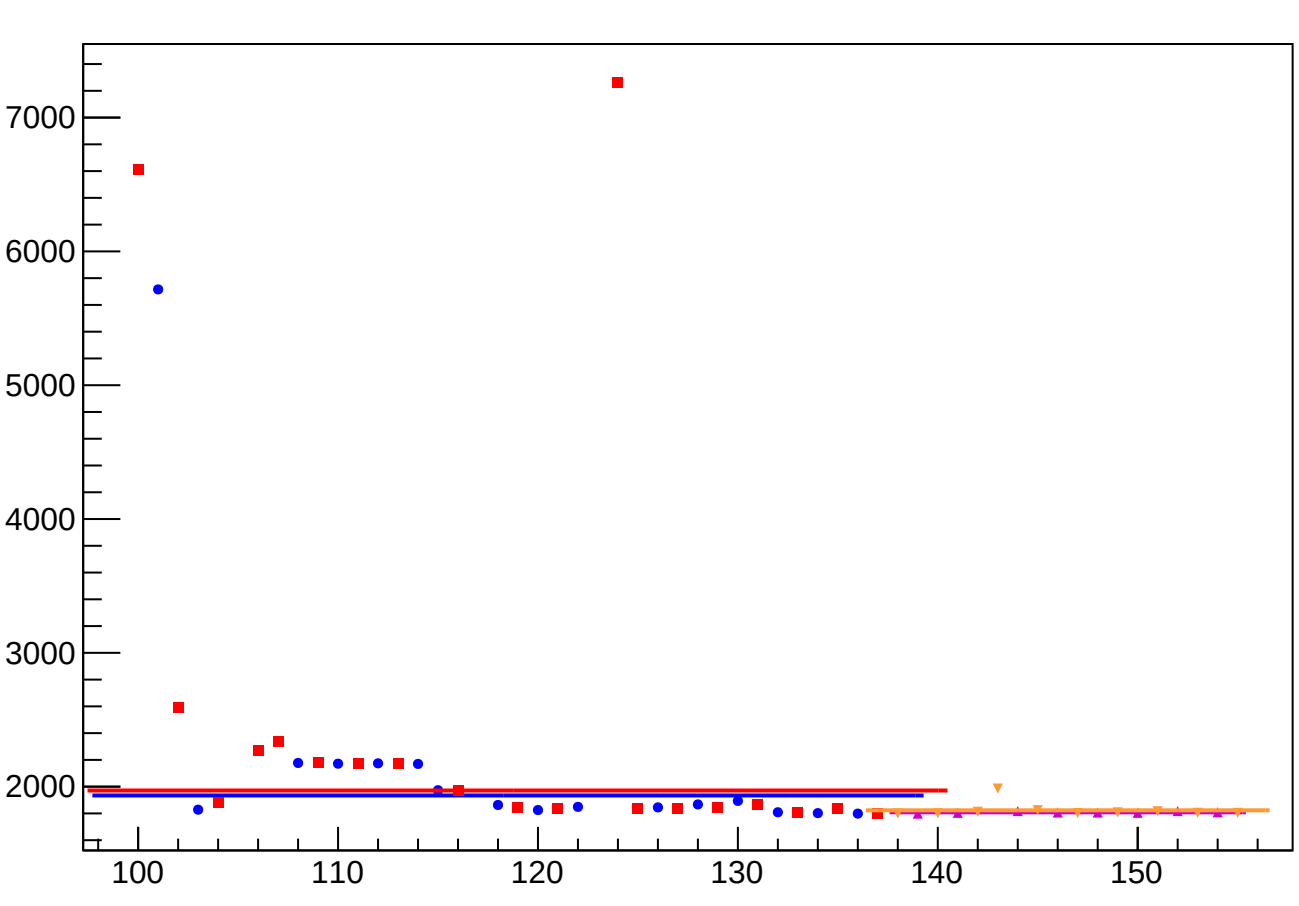
Left: -641.051+/-470.940 χ^2/NDF: 22.3/17

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -697.207+/-500.123 χ^2/NDF:29.2/23

Out: -415.682+/-487.679 χ^2/NDF:26.4/28

All: -552.899+/-349.157 χ^2/NDF: 55.8/52



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1823.282+/-0.460 χ^2/NDF:12254.3/9

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1808.202+/-0.483 χ^2/NDF:158.7/7

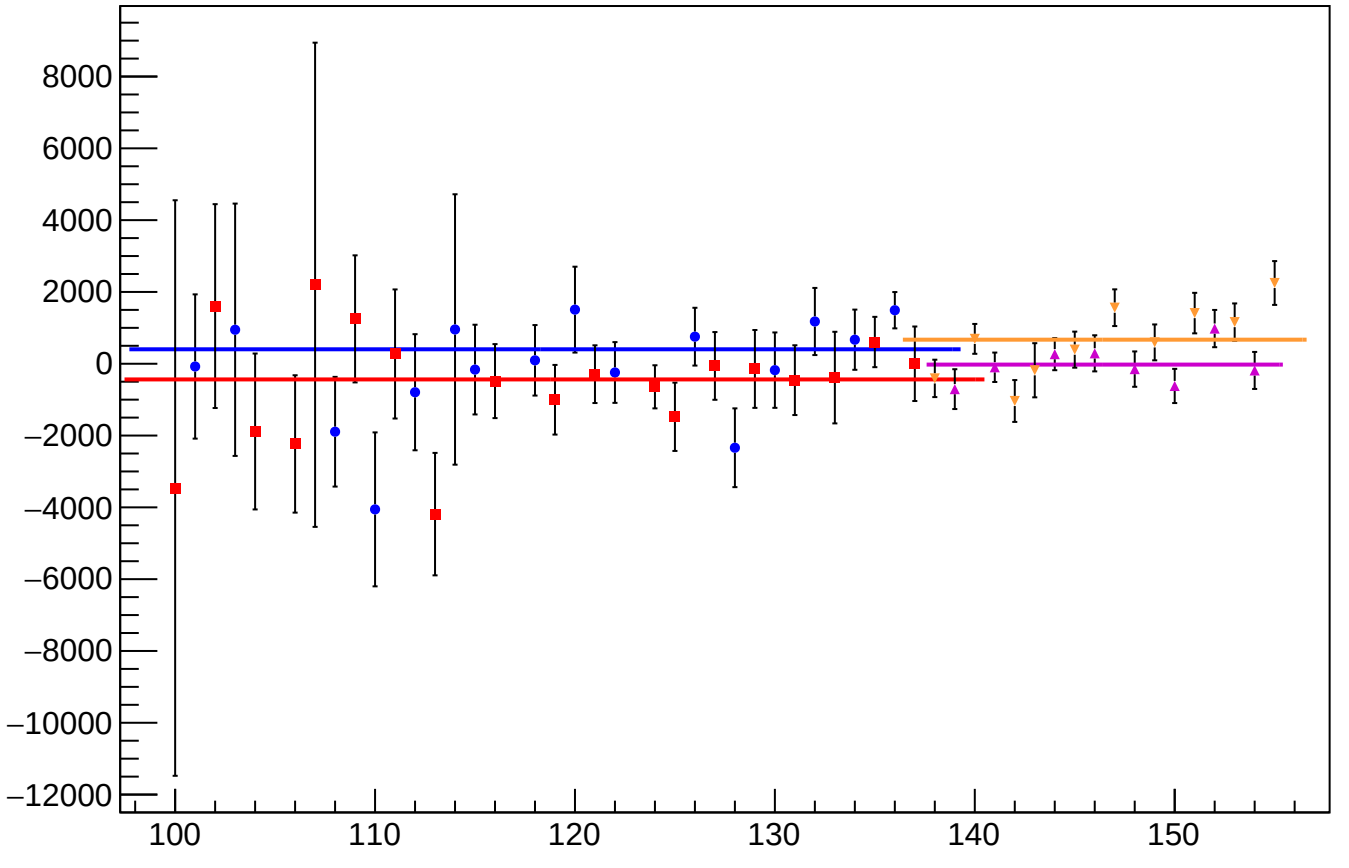
Left: 1816.100+/-0.333 χ^2/NDF: 12924.6/17

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1866.529+/-0.354 χ^2/NDF:671647.3/23

Out: 1888.198+/-0.345 χ^2/NDF:440827.1/28

All: 1877.636+/-0.247 χ^2/NDF: 1114399.0/52



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 670.583+/-167.861 χ^2/NDF:26.8/9

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -23.562+/-171.046 χ^2/NDF:7.8/7

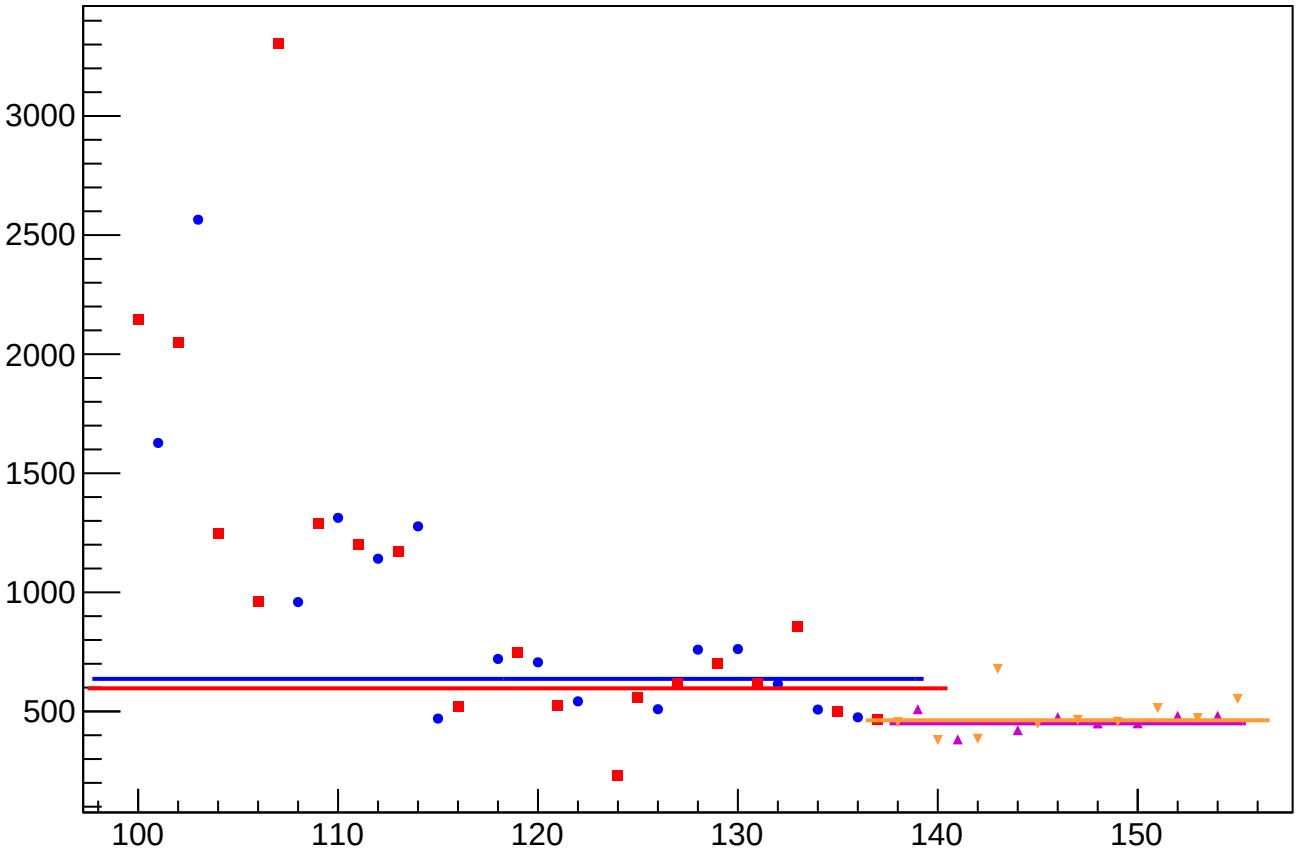
Left: 330.032+/-119.806 χ^2/NDF: 43.0/17

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 106.194+/-142.656 χ^2/NDF:30.9/23

Out: 331.528+/-139.819 χ^2/NDF:52.5/28

All: 221.124+/-99.855 χ^2/NDF: 84.6/52



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 462.735+/-0.119 χ^2/NDF:341375.8/9

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 449.743+/-0.121 χ^2/NDF:105498.4/7

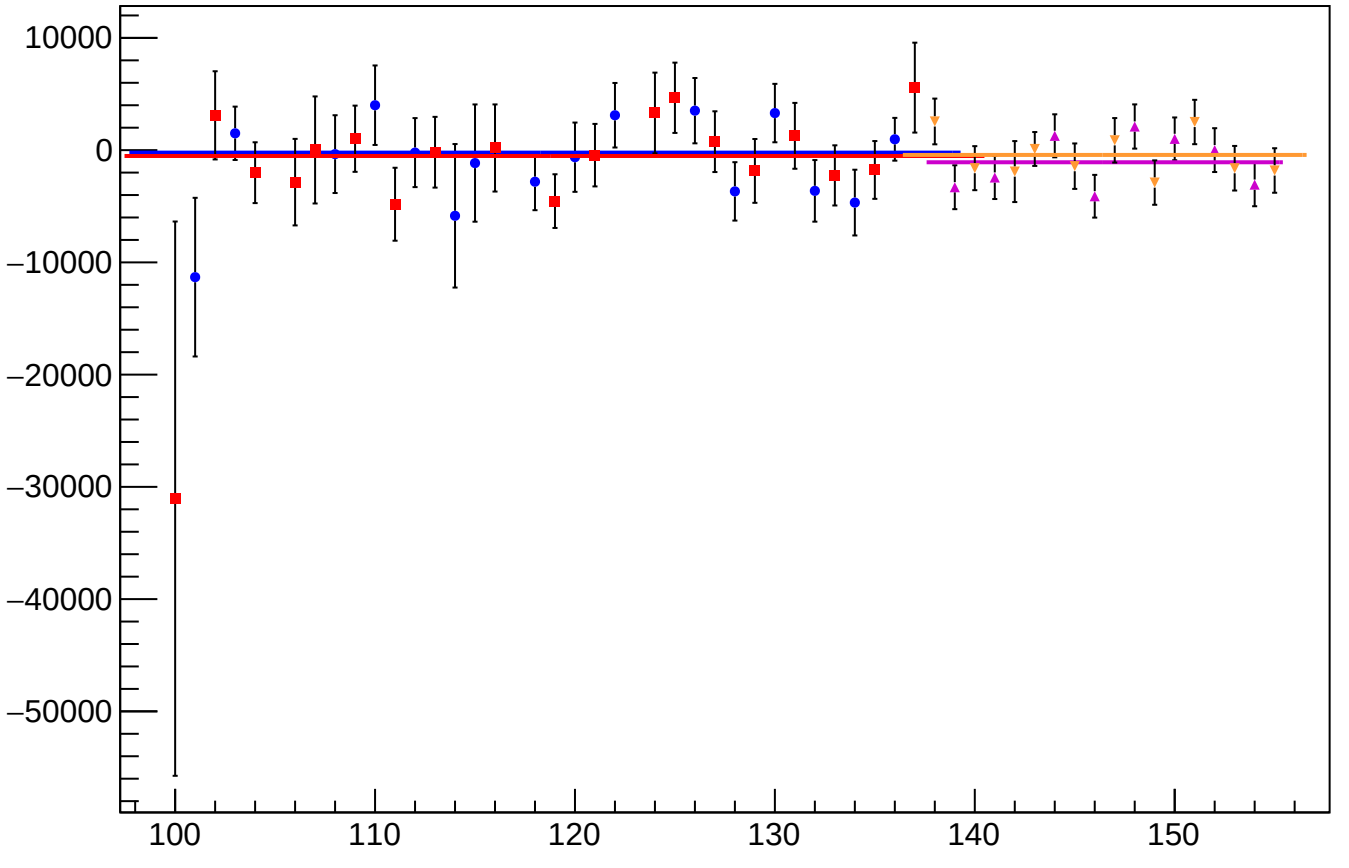
Left: 456.361+/-0.085 χ^2/NDF: 452751.6/17

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 506.653+/-0.101 χ^2/NDF:2898844.6/23

Out: 503.805+/-0.099 χ^2/NDF:3662821.0/28

All: 505.200+/-0.071 χ^2/NDF: 6562071.9/52



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -426.485+/-621.031 χ^2/NDF:8.2/9

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -1080.115+/-682.617 χ^2/NDF:11.0/7

Left: -722.490+/-459.368 χ^2/NDF: 19.7/17

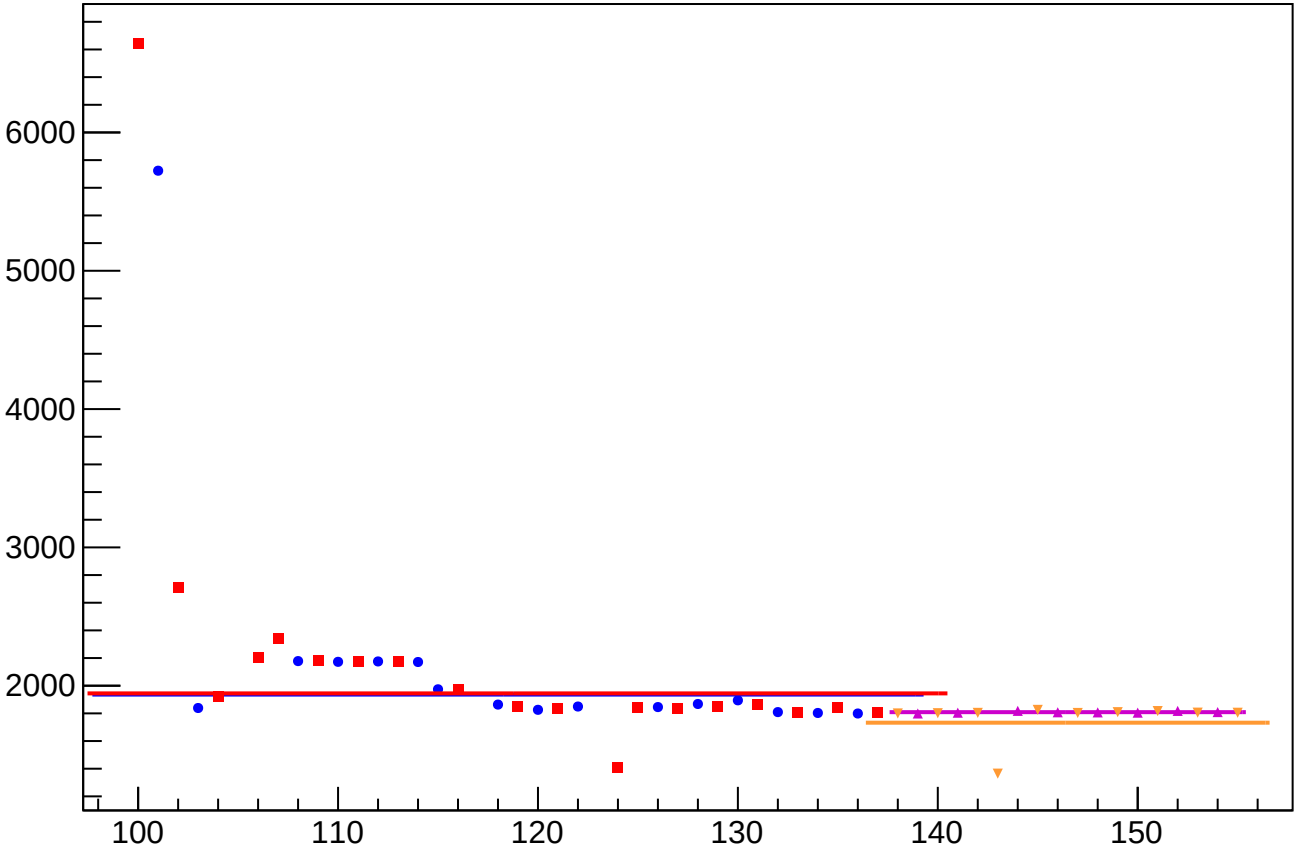
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -682.495+/-500.457 χ^2/NDF:28.9/23

Out: -466.175+/-471.644 χ^2/NDF:23.8/28

All: -567.929+/-343.237 χ^2/NDF: 52.8/52

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1732.645+/-0.439 χ^2/NDF:143574.6/9

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1808.810+/-0.483 χ^2/NDF:157.9/7

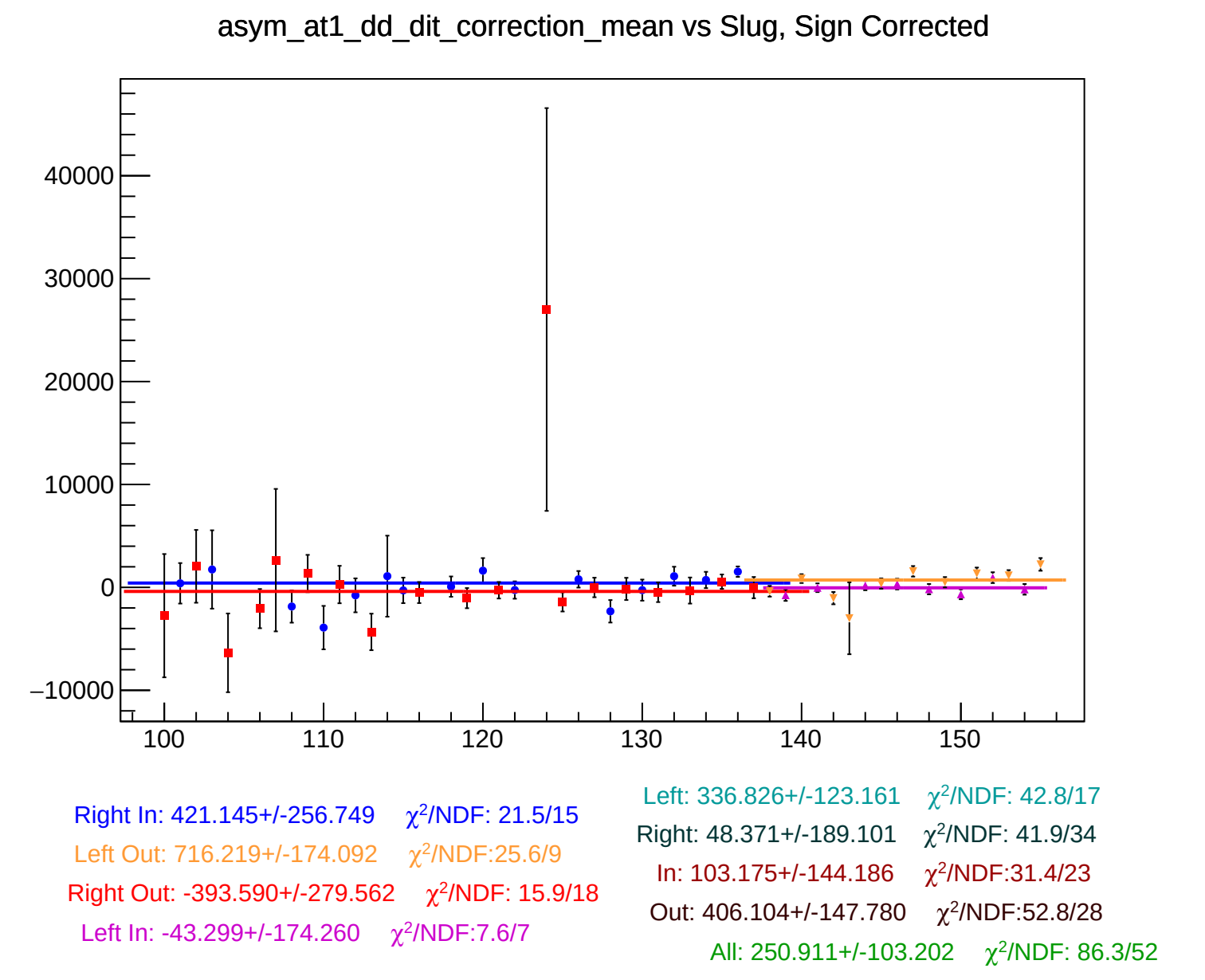
Left: 1767.137+/-0.325 χ^2/NDF: 157355.8/17

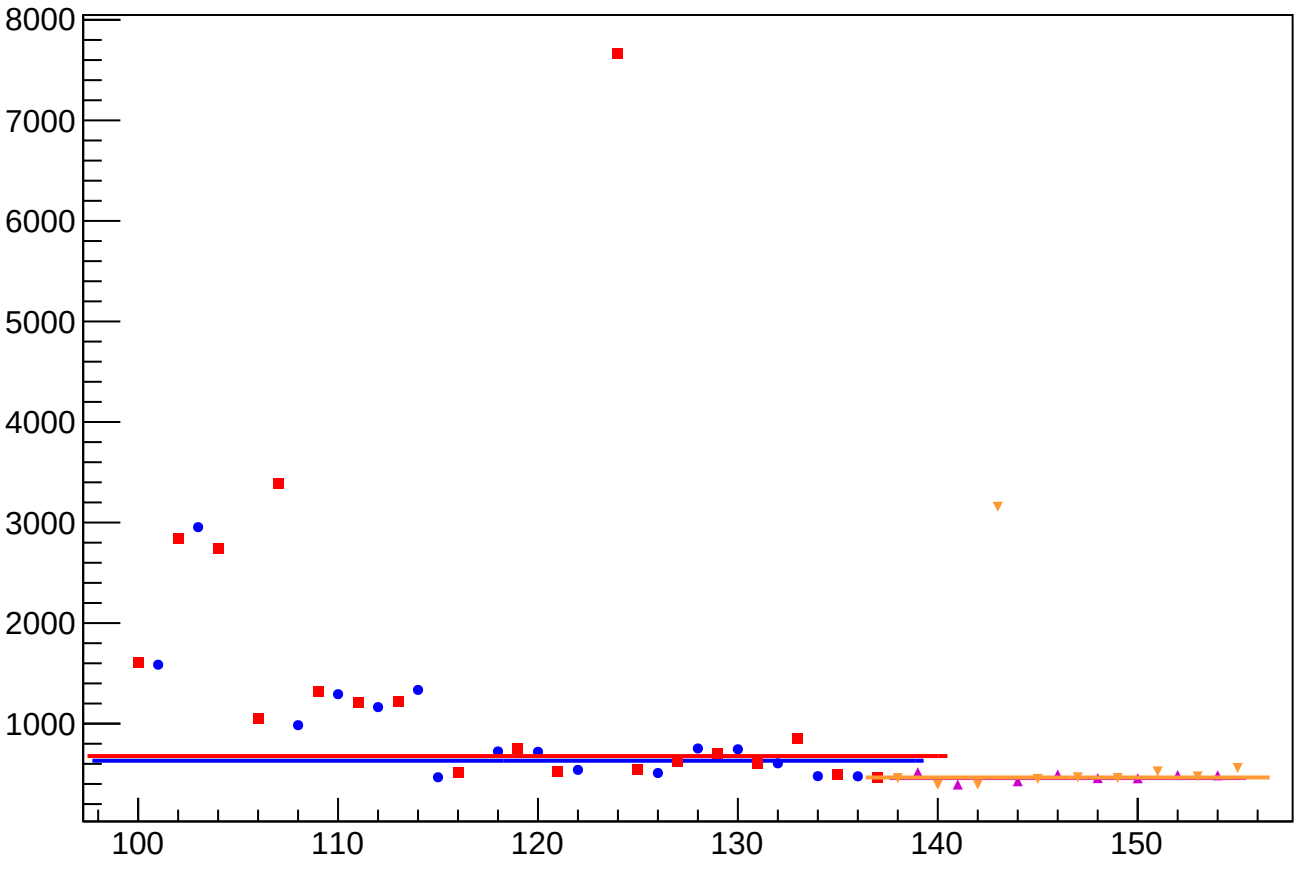
Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1867.623+/-0.354 χ^2/NDF:672066.7/23

Out: 1822.306+/-0.334 χ^2/NDF:518298.6/28

All: 1843.623+/-0.243 χ^2/NDF: 1199050.4/52


asym_at1_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: 421.145+/-256.749 χ²/NDF: 21.5/15
Left Out: 716.219+/-174.092 χ²/NDF:25.6/9
Right Out: -393.590+/-279.562 χ²/NDF: 15.9/18
Left In: -43.299+/-174.260 χ²/NDF:7.6/7
Left: 336.826+/-123.161 χ²/NDF: 42.8/17
Right: 48.371+/-189.101 χ²/NDF: 41.9/34
In: 103.175+/-144.186 χ²/NDF:31.4/23
Out: 406.104+/-147.780 χ²/NDF:52.8/28
All: 250.911+/-103.202 χ²/NDF: 86.3/52



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 464.441+/-0.123 χ^2/NDF:1344089.0/9

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 458.801+/-0.123 χ^2/NDF:98400.7/7

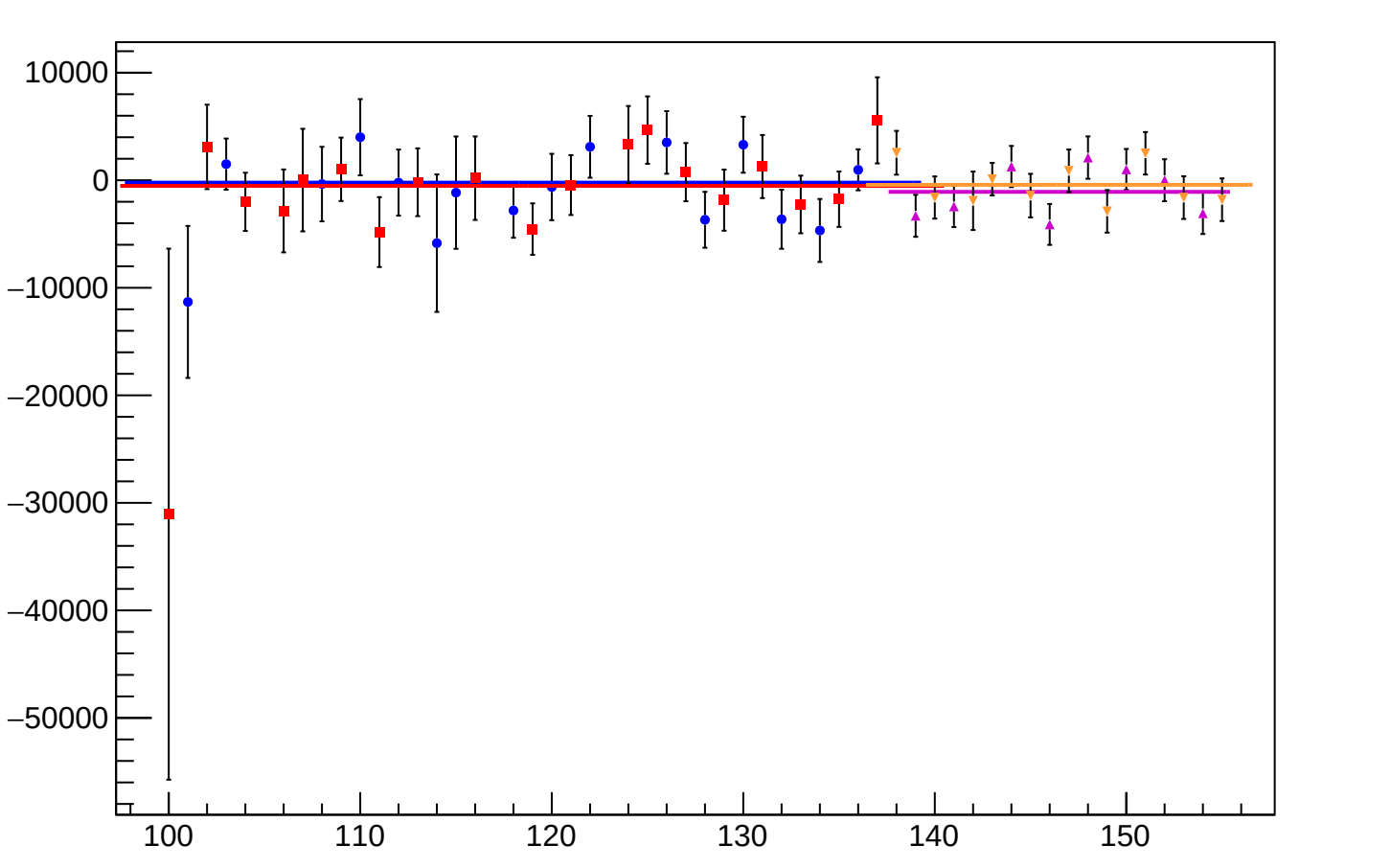
Left: 461.623+/-0.087 χ^2/NDF: 1443538.4/17

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 513.152+/-0.102 χ^2/NDF:2949805.0/23

Out: 523.959+/-0.104 χ^2/NDF:5262212.6/28

All: 518.422+/-0.073 χ^2/NDF: 8217496.8/52



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -426.485+/-621.031 χ^2/NDF:8.2/9

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -1080.116+/-682.617 χ^2/NDF:11.0/7

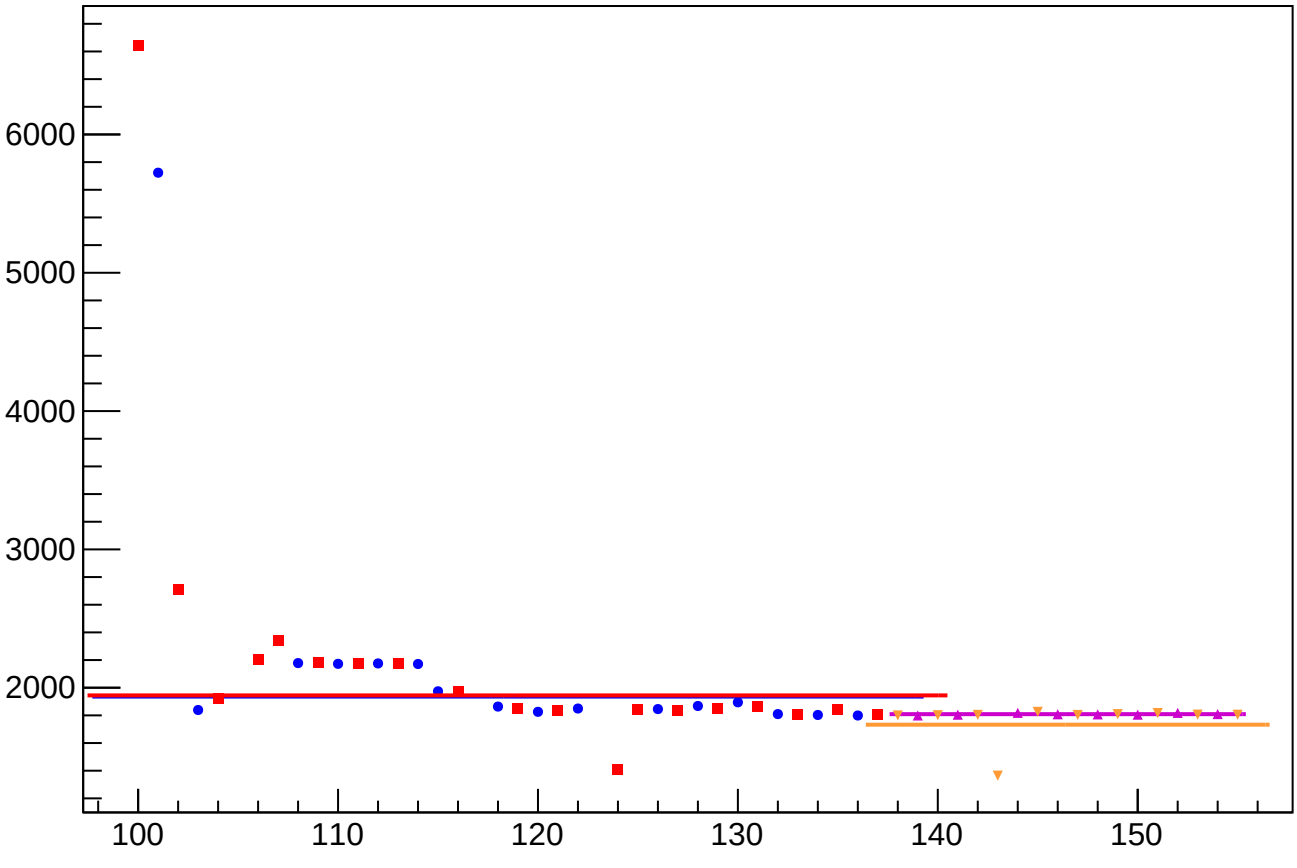
Left: -722.490+/-459.368 χ^2/NDF: 19.7/17

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -682.495+/-500.457 χ^2/NDF:28.9/23

Out: -466.176+/-471.644 χ^2/NDF:23.8/28

All: -567.929+/-343.237 χ^2/NDF: 52.8/52



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1732.645+/-0.439 χ^2/NDF:143574.6/9

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1808.810+/-0.483 χ^2/NDF:157.9/7

Left: 1767.137+/-0.325 χ^2/NDF: 157355.8/17

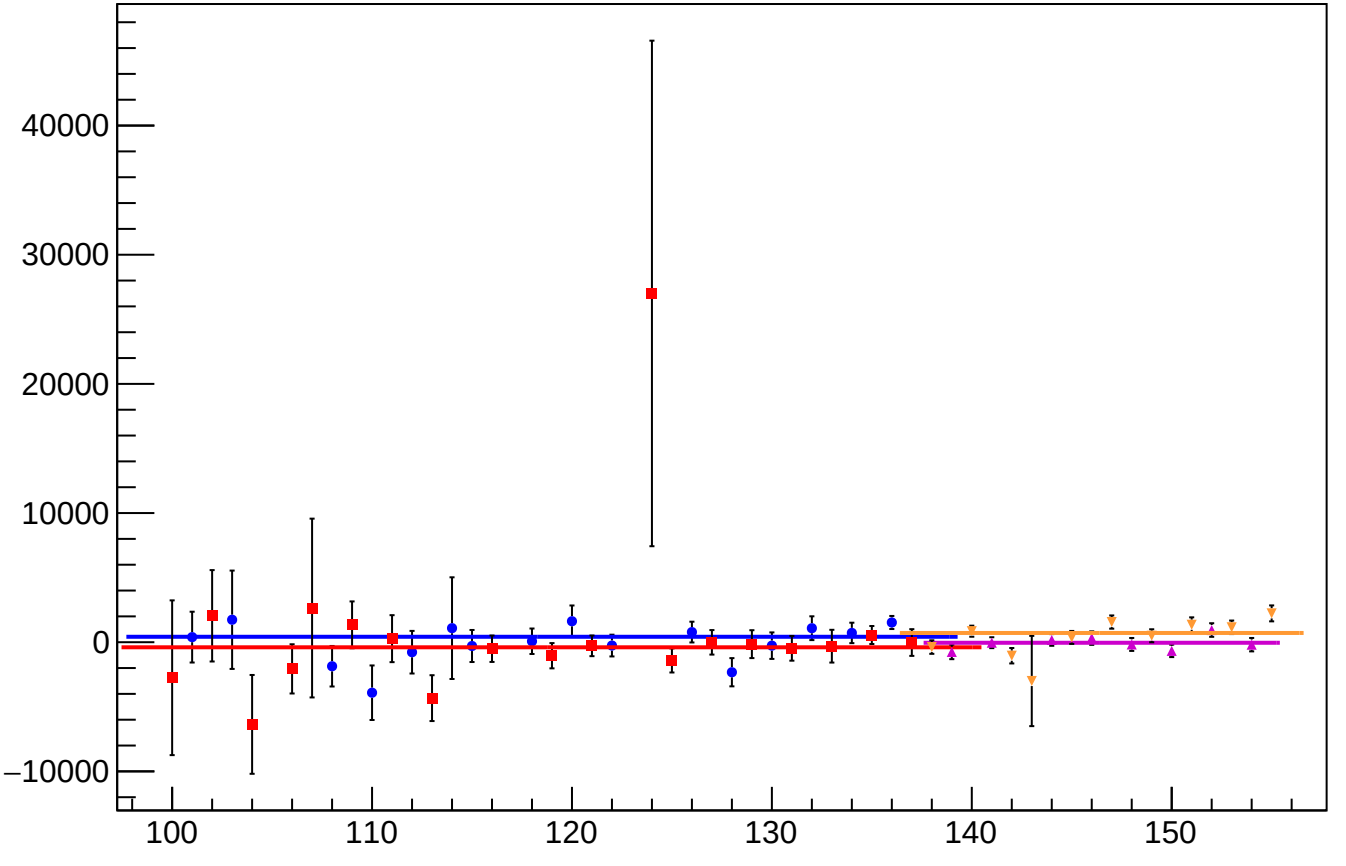
Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1867.623+/-0.354 χ^2/NDF:672066.7/23

Out: 1822.306+/-0.334 χ^2/NDF:518298.4/28

All: 1843.623+/-0.243 χ^2/NDF: 1199050.2/52

asym_at1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 716.218+/-174.092 χ^2/NDF:25.6/9

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -43.299+/-174.260 χ^2/NDF:7.6/7

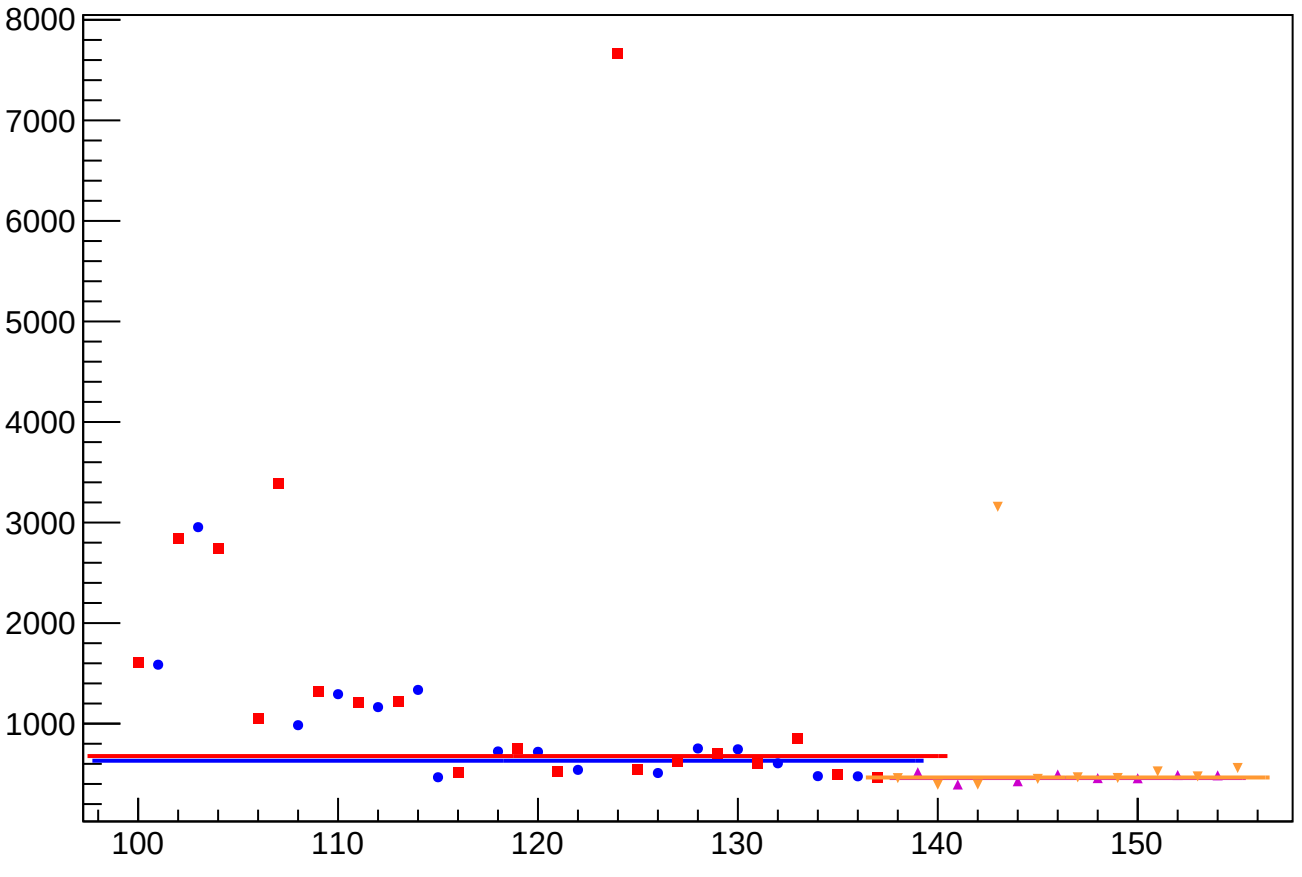
Left: 336.826+/-123.161 χ^2/NDF: 42.8/17

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 103.175+/-144.186 χ^2/NDF:31.4/23

Out: 406.104+/-147.780 χ^2/NDF:52.8/28

All: 250.911+/-103.202 χ^2/NDF: 86.3/52



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 464.440+/-0.123 χ^2/NDF:1344090.9/9

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 458.800+/-0.123 χ^2/NDF:98402.0/7

Left: 461.623+/-0.087 χ^2/NDF: 1443541.4/17

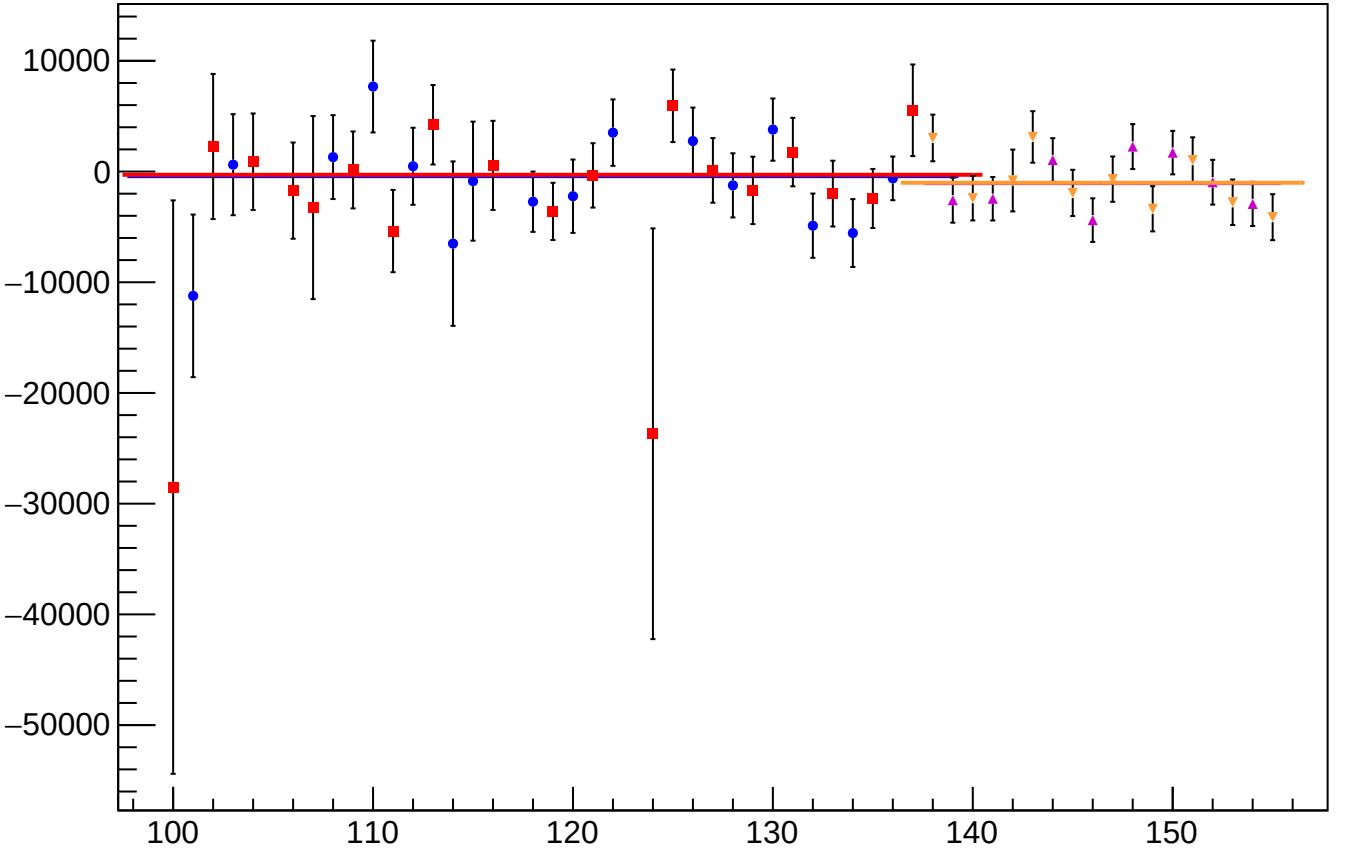
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 513.152+/-0.102 χ^2/NDF:2949805.6/23

Out: 523.958+/-0.104 χ^2/NDF:5262218.4/28

All: 518.422+/-0.073 χ^2/NDF: 8217502.9/52

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1013.075+/-674.437 χ^2/NDF:12.8/9

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -1045.973+/-704.685 χ^2/NDF:10.6/7

Left: -1028.803+/-487.242 χ^2/NDF: 23.4/17

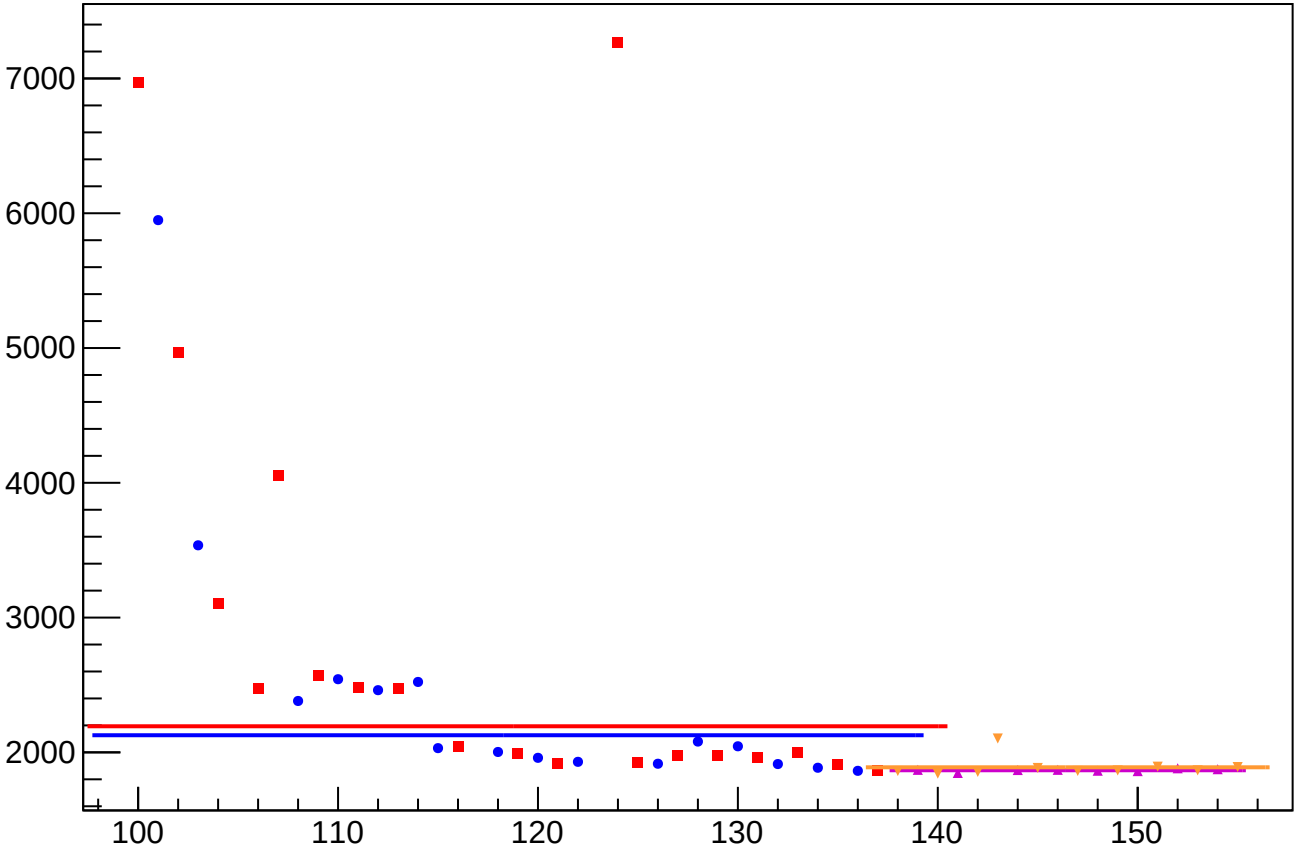
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -777.327+/-533.159 χ^2/NDF:29.3/23

Out: -727.981+/-523.824 χ^2/NDF:28.9/28

All: -752.218+/-373.656 χ^2/NDF: 58.2/52

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1889.156+/-0.477 χ^2/NDF:19465.6/9

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1867.248+/-0.498 χ^2/NDF:380.1/7

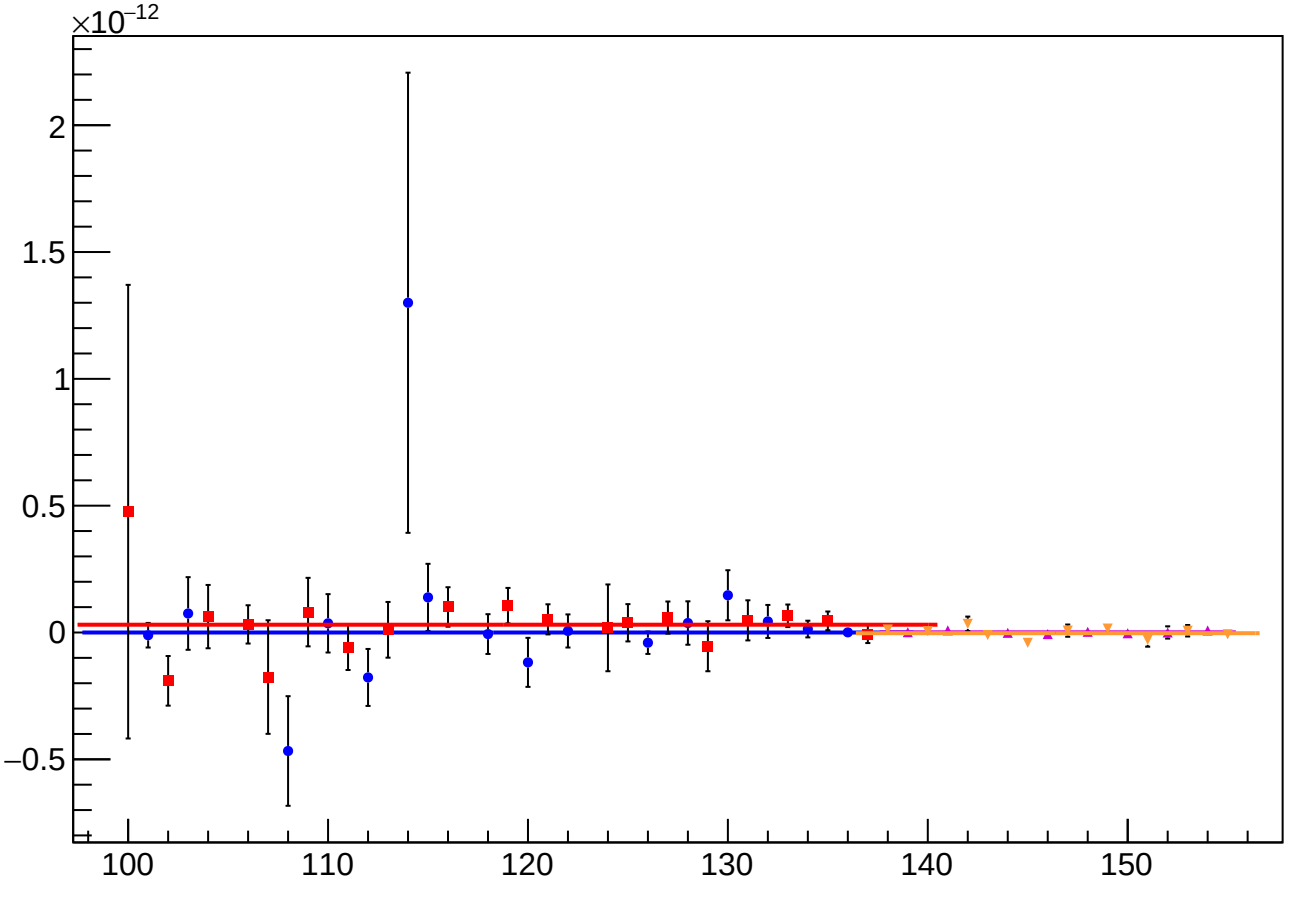
Left: 1878.682+/-0.345 χ^2/NDF: 20854.7/17

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1978.327+/-0.377 χ^2/NDF:991684.0/23

Out: 2009.933+/-0.370 χ^2/NDF:1123698.1/28

All: 1994.409+/-0.264 χ^2/NDF: 2118958.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.2/7

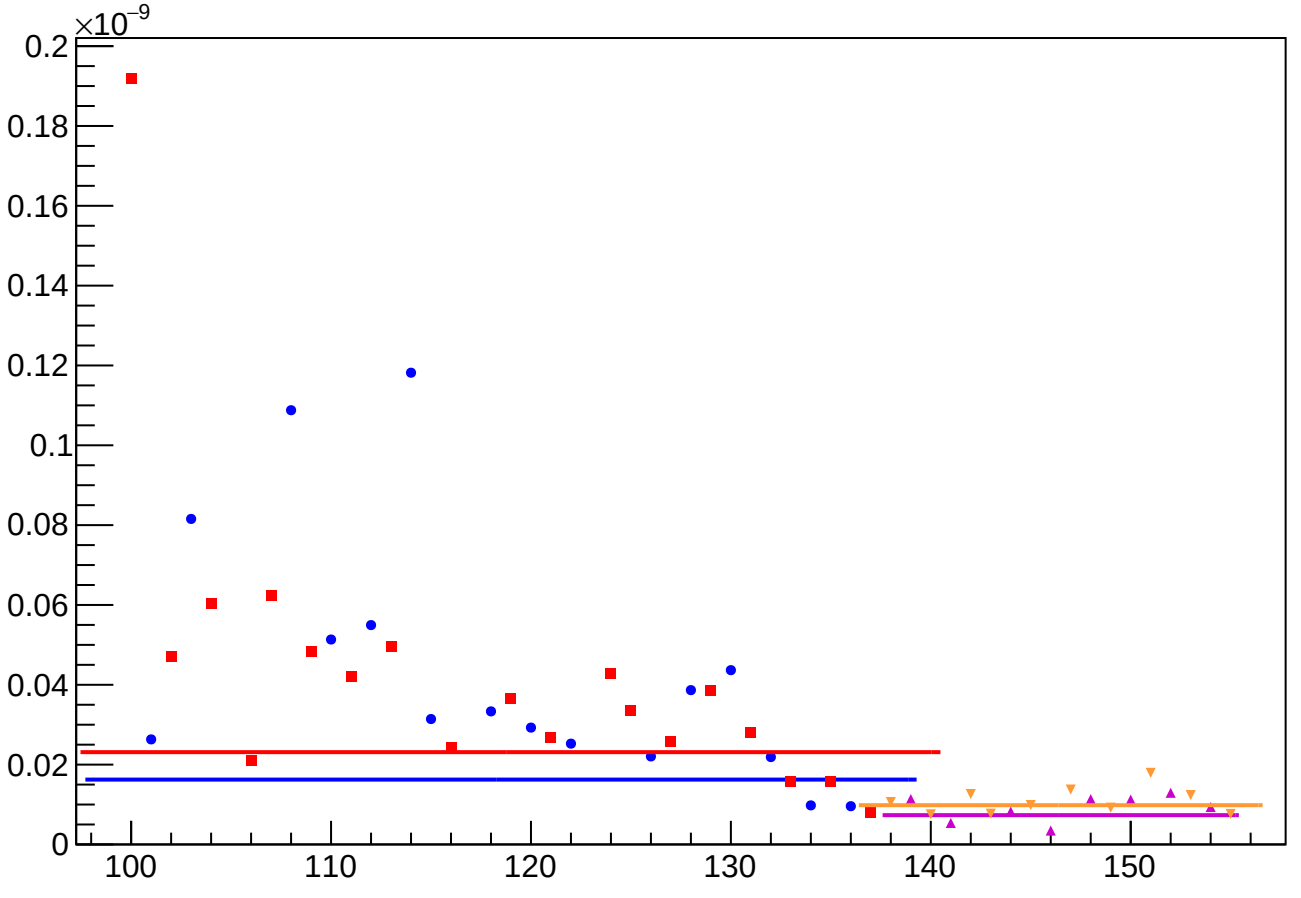
Left: -0.000+/-0.000 χ^2/NDF: 12.0/17

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.3/23

Out: 0.000+/-0.000 χ^2/NDF:27.0/28

All: 0.000+/-0.000 χ^2/NDF: 44.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:405490.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:768146.5/7

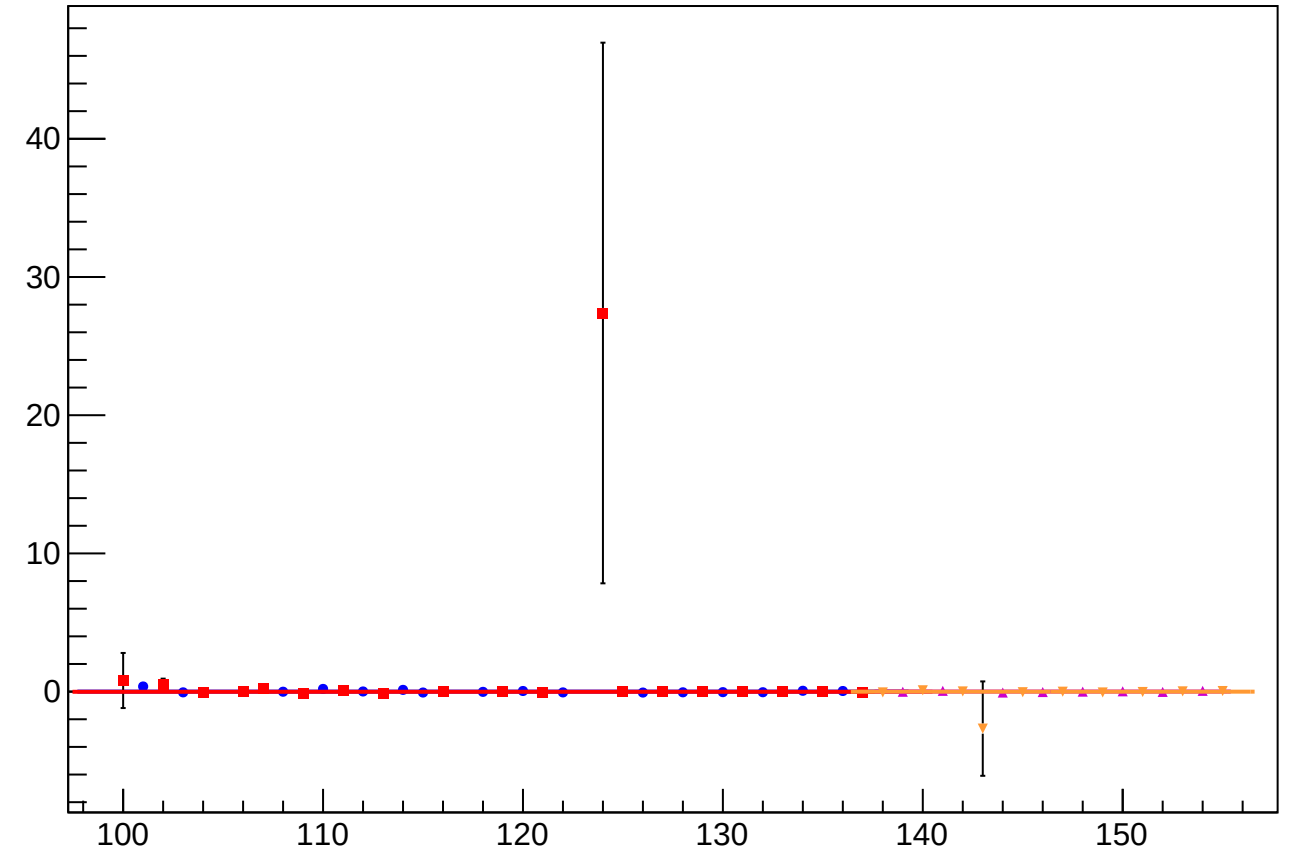
Left: 0.000+/-0.000 χ^2/NDF: 1372817.8/17

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4000585.3/23

Out: 0.000+/-0.000 χ^2/NDF:3070249.0/28

All: 0.000+/-0.000 χ^2/NDF: 7339216.6/52



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.4/9

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.004+/-0.014 χ^2/NDF:9.0/7

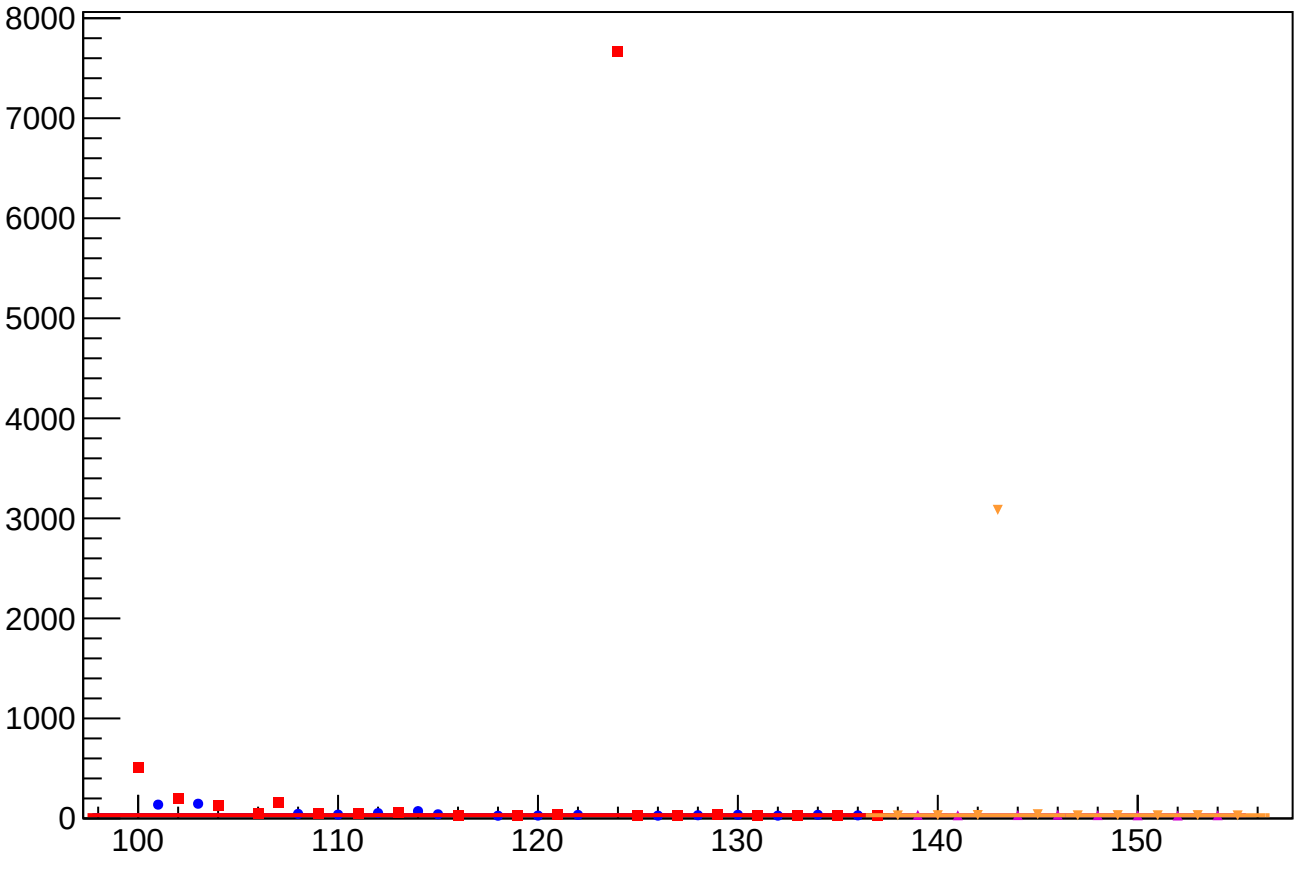
Left: 0.001+/-0.009 χ^2/NDF: 23.5/17

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.003+/-0.010 χ^2/NDF:30.0/23

Out: -0.007+/-0.010 χ^2/NDF:28.8/28

All: -0.002+/-0.007 χ^2/NDF: 59.3/52



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.394+/-0.009 χ^2/NDF:1695353.8/9

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 33.239+/-0.010 χ^2/NDF:51450.8/7

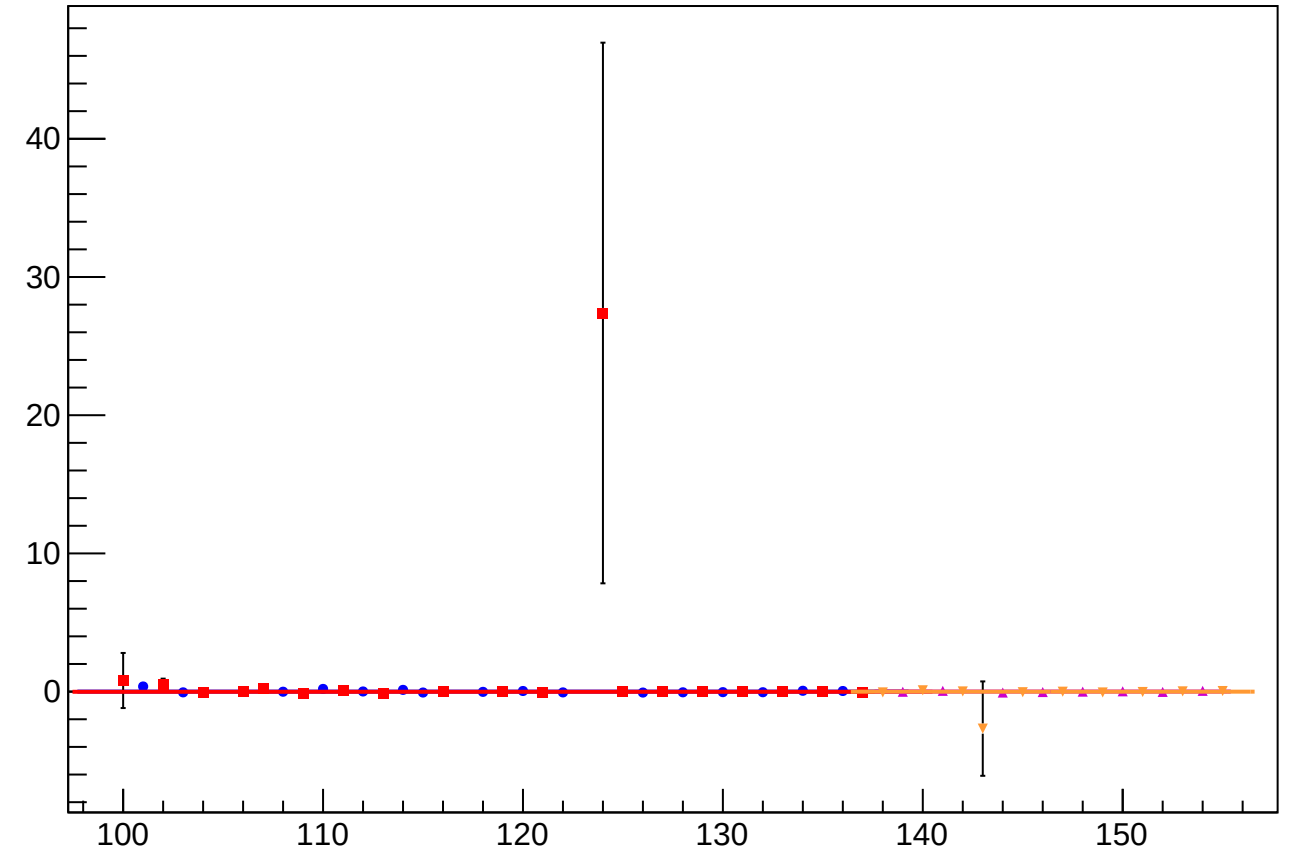
Left: 32.806+/-0.007 χ^2/NDF: 1750794.0/17

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.613+/-0.007 χ^2/NDF:1772035.6/23

Out: 32.698+/-0.007 χ^2/NDF:3772883.9/28

All: 33.150+/-0.005 χ^2/NDF: 5553408.2/52



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.4/9

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.004+/-0.014 χ^2/NDF:9.0/7

Left: 0.001+/-0.009 χ^2/NDF: 23.5/17

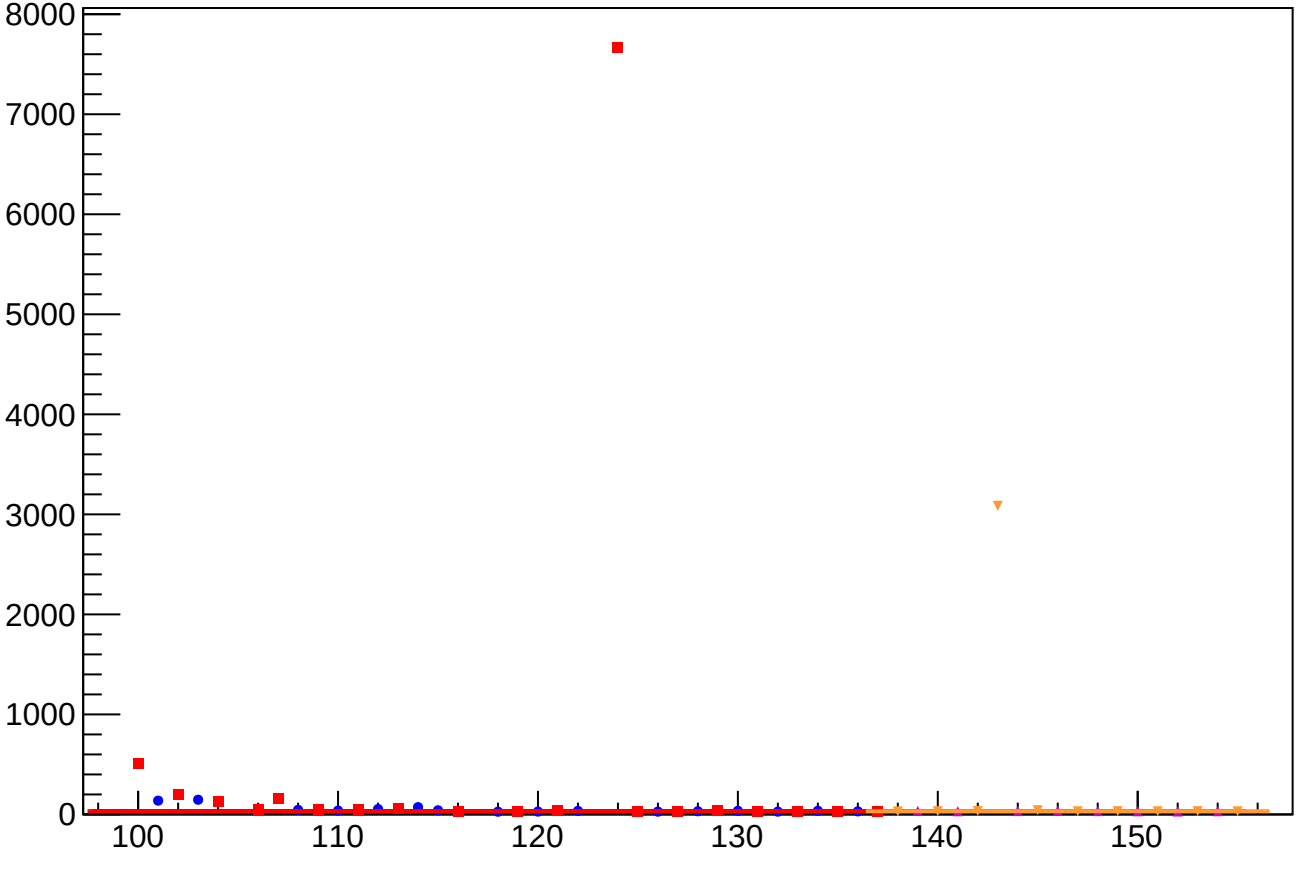
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.003+/-0.010 χ^2/NDF:30.0/23

Out: -0.007+/-0.010 χ^2/NDF:28.8/28

All: -0.002+/-0.007 χ^2/NDF: 59.3/52

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: 32.394+/-0.009 χ^2/NDF:1695353.8/9

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 33.239+/-0.010 χ^2/NDF:51450.8/7

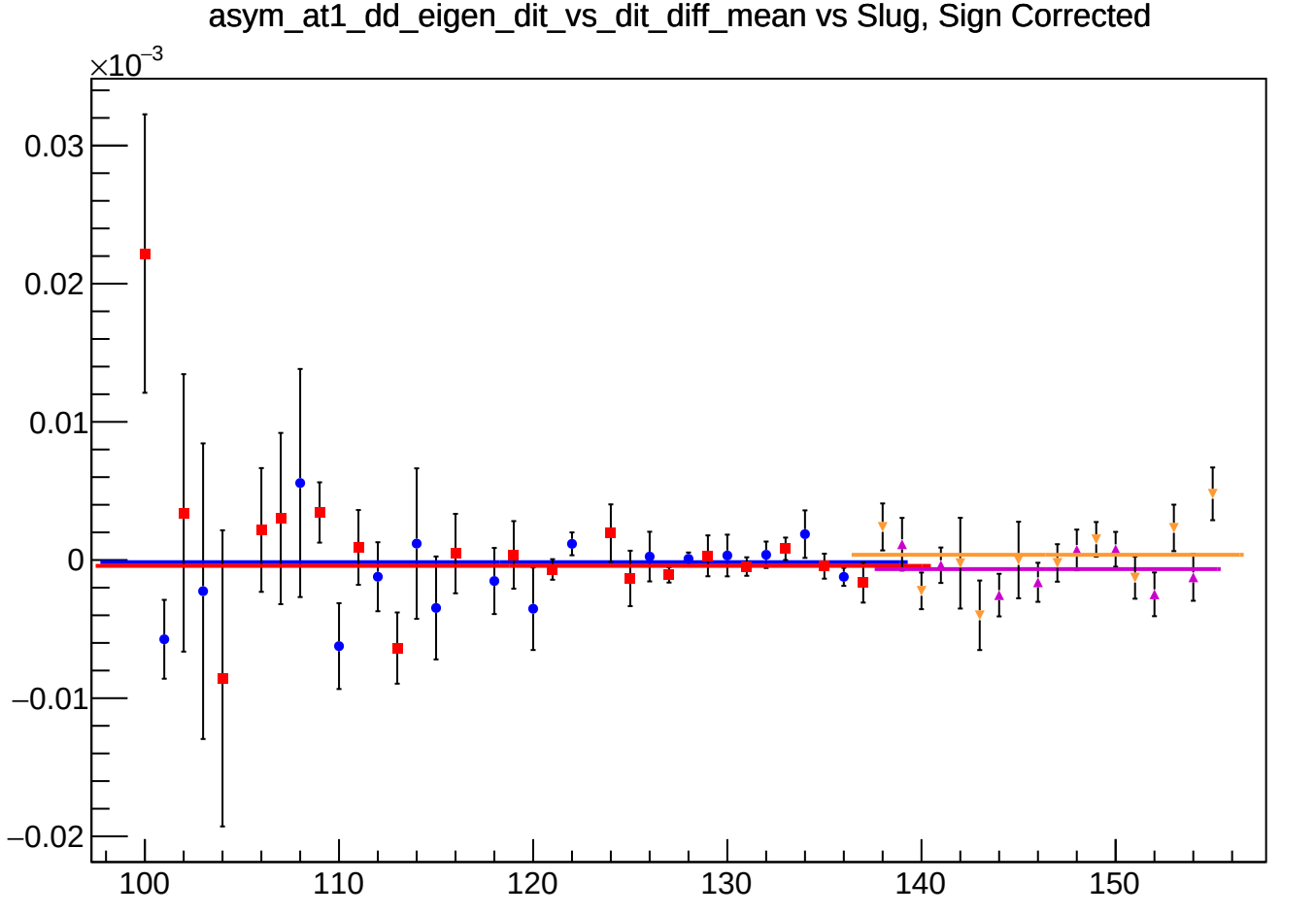
Left: 32.806+/-0.007 χ^2/NDF: 1750794.0/17

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.613+/-0.007 χ^2/NDF:1772035.6/23

Out: 32.698+/-0.007 χ^2/NDF:3772883.9/28

All: 33.150+/-0.005 χ^2/NDF: 5553408.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/7

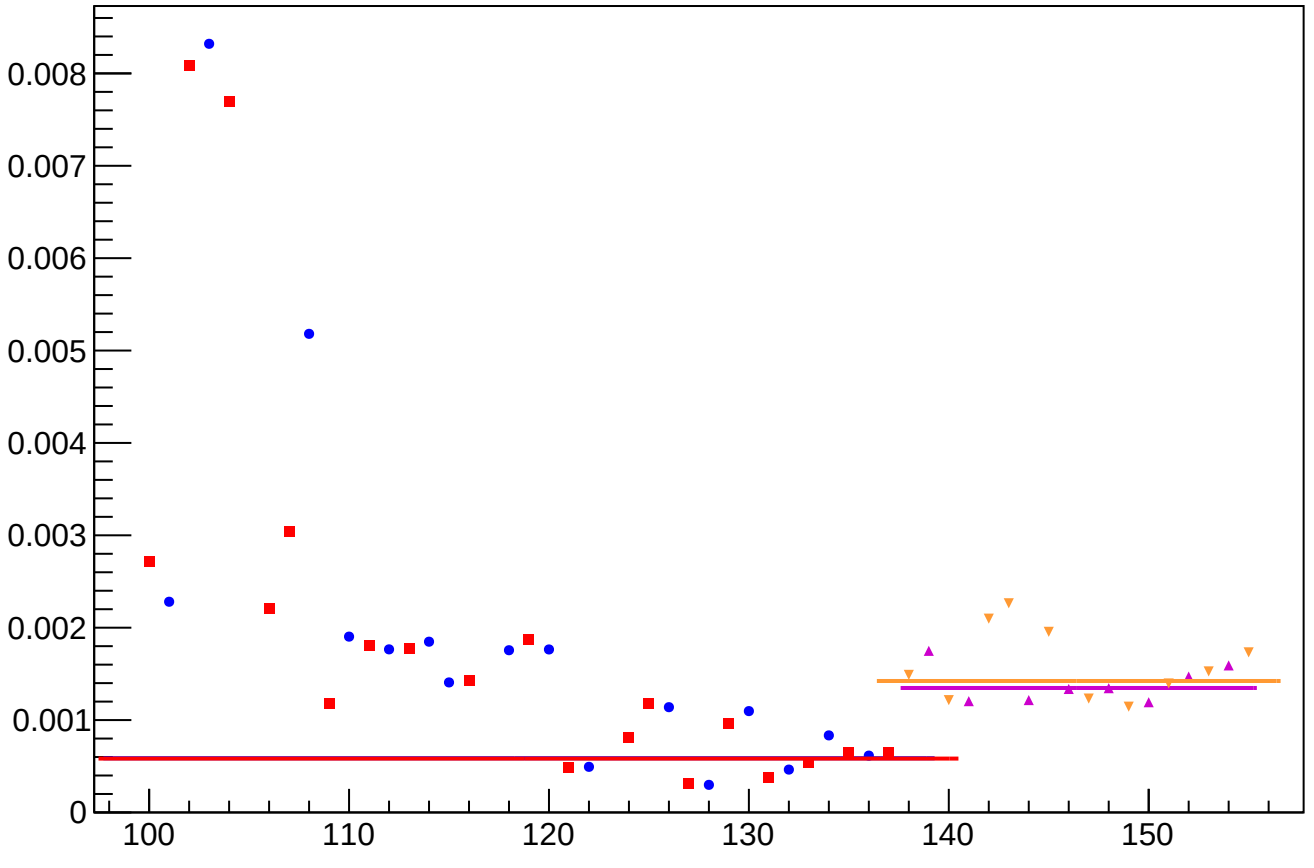
Left: -0.000+/-0.000 χ^2/NDF: 25.6/17

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:25.4/23

Out: -0.000+/-0.000 χ^2/NDF:40.5/28

All: -0.000+/-0.000 χ^2/NDF: 65.9/52



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:632137.0/9

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:211724.0/7

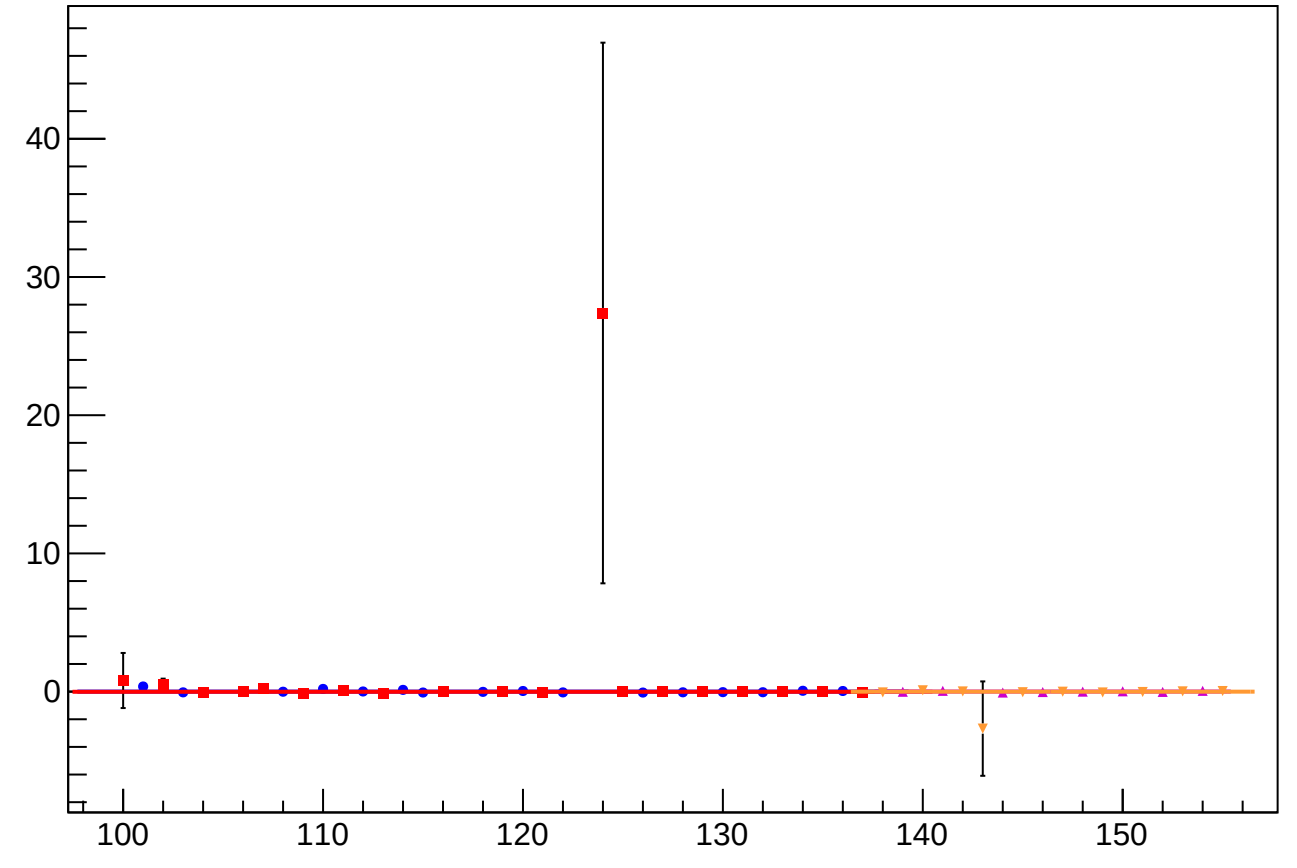
Left: 0.001+/-0.000 χ^2/NDF: 864417.4/17

Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:8903392.1/23

Out: 0.001+/-0.000 χ^2/NDF:9936749.1/28

All: 0.001+/-0.000 χ^2/NDF: 18840196.1/52



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.4/9

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.004+/-0.014 χ^2/NDF:9.0/7

Left: 0.001+/-0.009 χ^2/NDF: 23.5/17

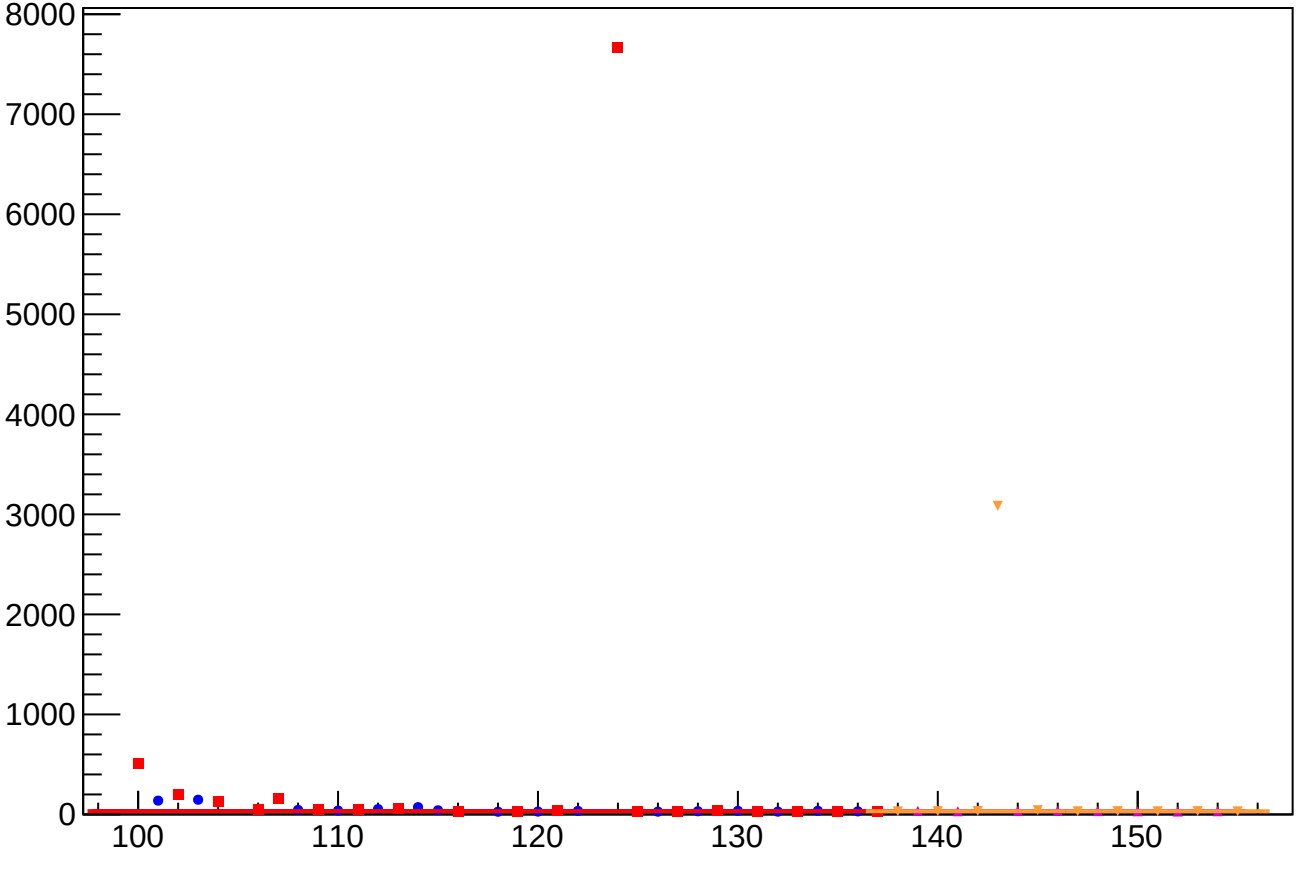
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.003+/-0.010 χ^2/NDF:30.0/23

Out: -0.007+/-0.010 χ^2/NDF:28.8/28

All: -0.002+/-0.007 χ^2/NDF: 59.3/52

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: 32.394+/-0.009 χ^2/NDF:1695356.7/9

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.239+/-0.010 χ^2/NDF:51453.3/7

Left: 32.805+/-0.007 χ^2/NDF: 1750800.8/17

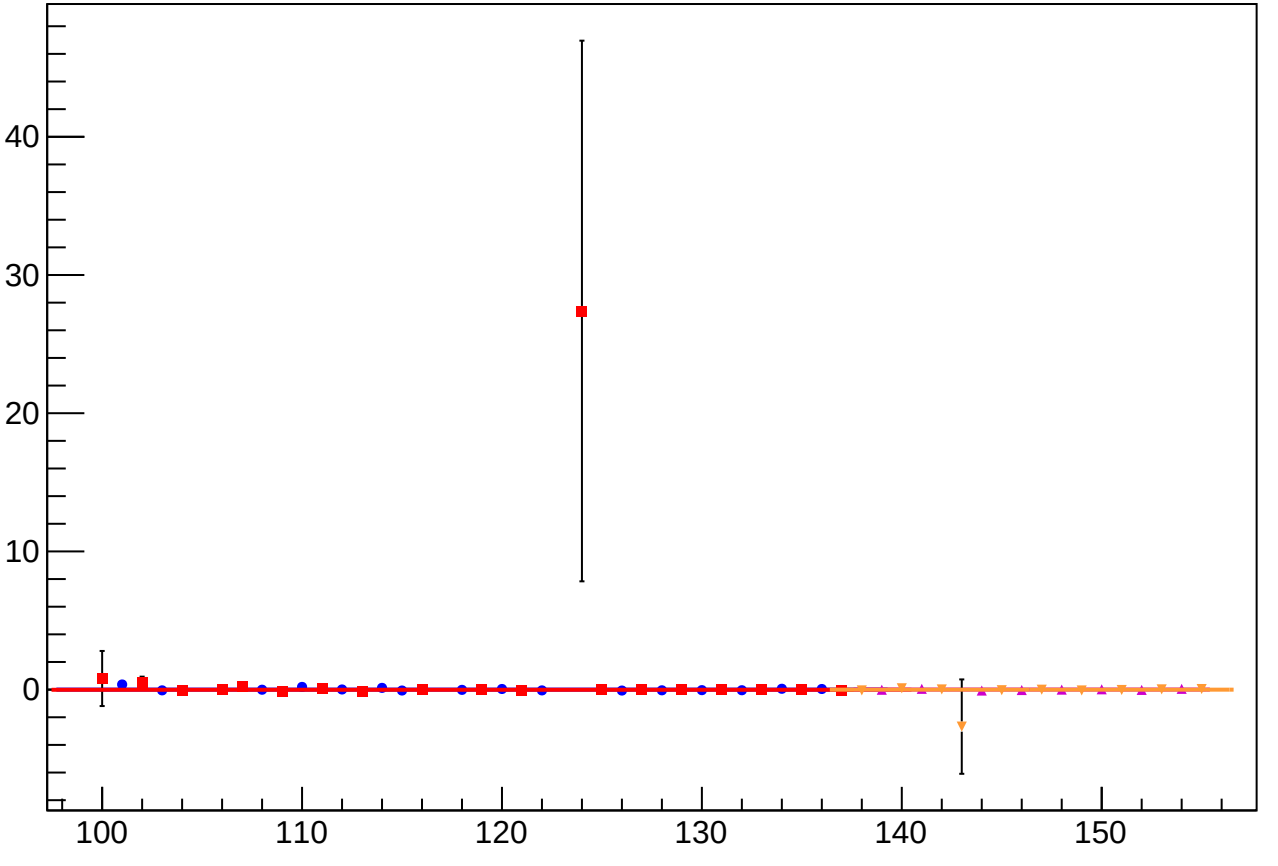
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.613+/-0.007 χ^2/NDF:1772026.6/23

Out: 32.698+/-0.007 χ^2/NDF:3772868.4/28

All: 33.150+/-0.005 χ^2/NDF: 5553386.3/52

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: -0.003+/-0.013 χ^2/NDF:14.4/9

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: 0.004+/-0.014 χ^2/NDF:9.0/7

Left: 0.001+/-0.009 χ^2/NDF: 23.5/17

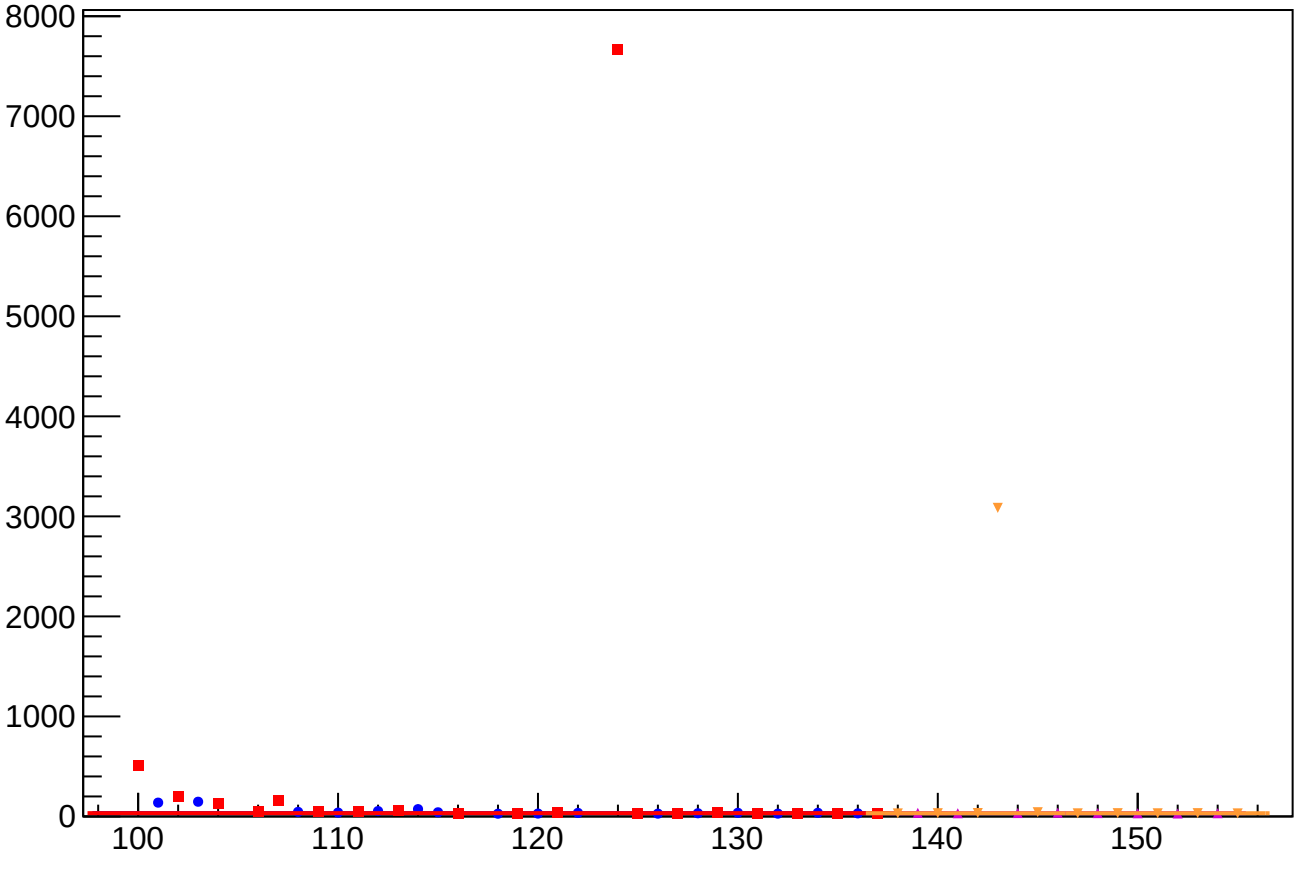
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: 0.003+/-0.010 χ^2/NDF:30.0/23

Out: -0.007+/-0.010 χ^2/NDF:28.8/28

All: -0.002+/-0.007 χ^2/NDF: 59.3/52

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: 32.394+/-0.009 χ^2/NDF:1695356.7/9

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.239+/-0.010 χ^2/NDF:51453.3/7

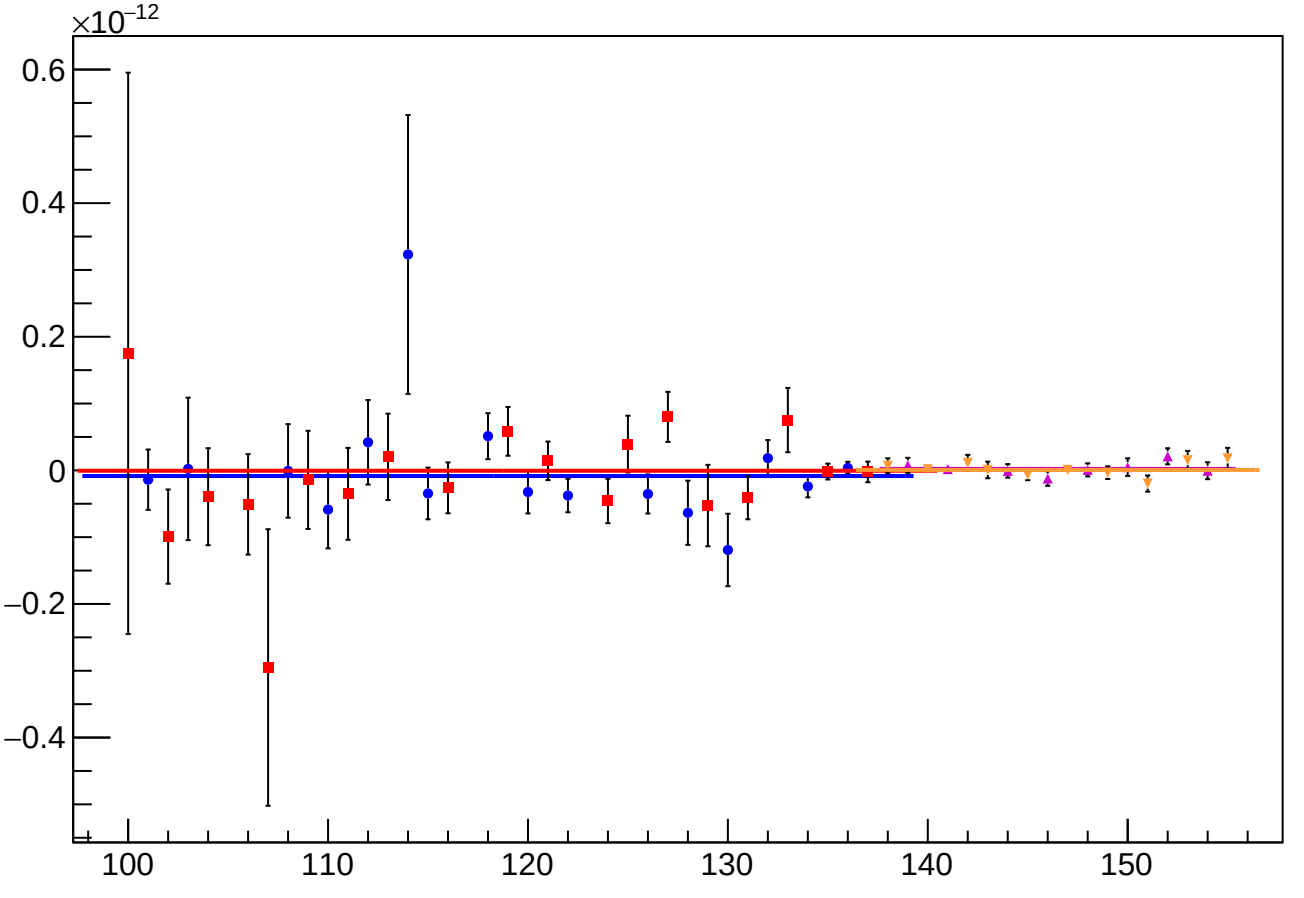
Left: 32.805+/-0.007 χ^2/NDF: 1750800.8/17

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.613+/-0.007 χ^2/NDF:1772026.6/23

Out: 32.698+/-0.007 χ^2/NDF:3772868.4/28

All: 33.150+/-0.005 χ^2/NDF: 5553386.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:4.6/7

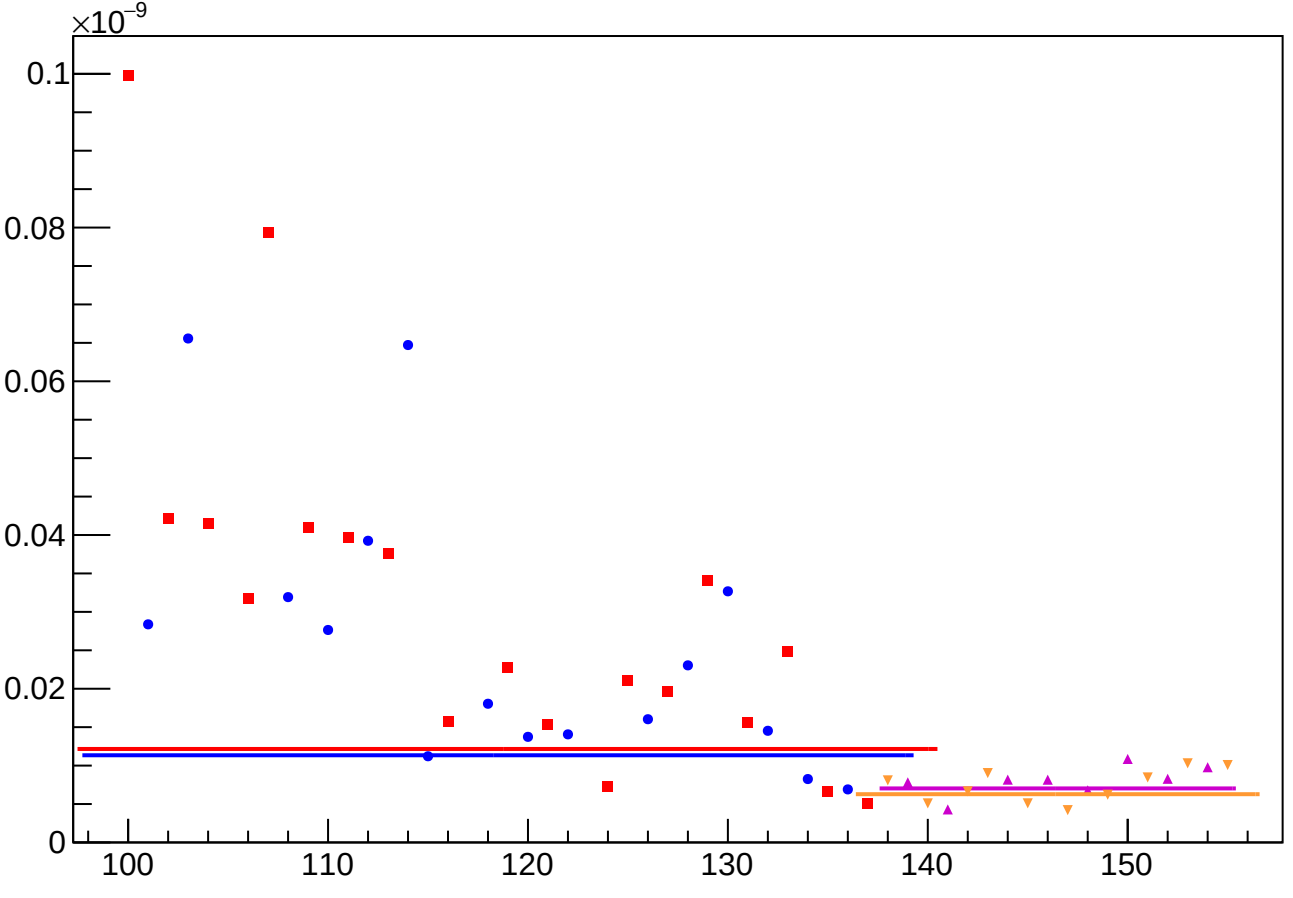
Left: 0.000+/-0.000 χ^2/NDF: 11.9/17

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: -0.000+/-0.000 χ^2/NDF:26.0/23

Out: 0.000+/-0.000 χ^2/NDF:28.0/28

All: 0.000+/-0.000 χ^2/NDF: 54.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:768542.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:736921.7/7

Left: 0.000+/-0.000 χ^2/NDF: 1557358.2/17

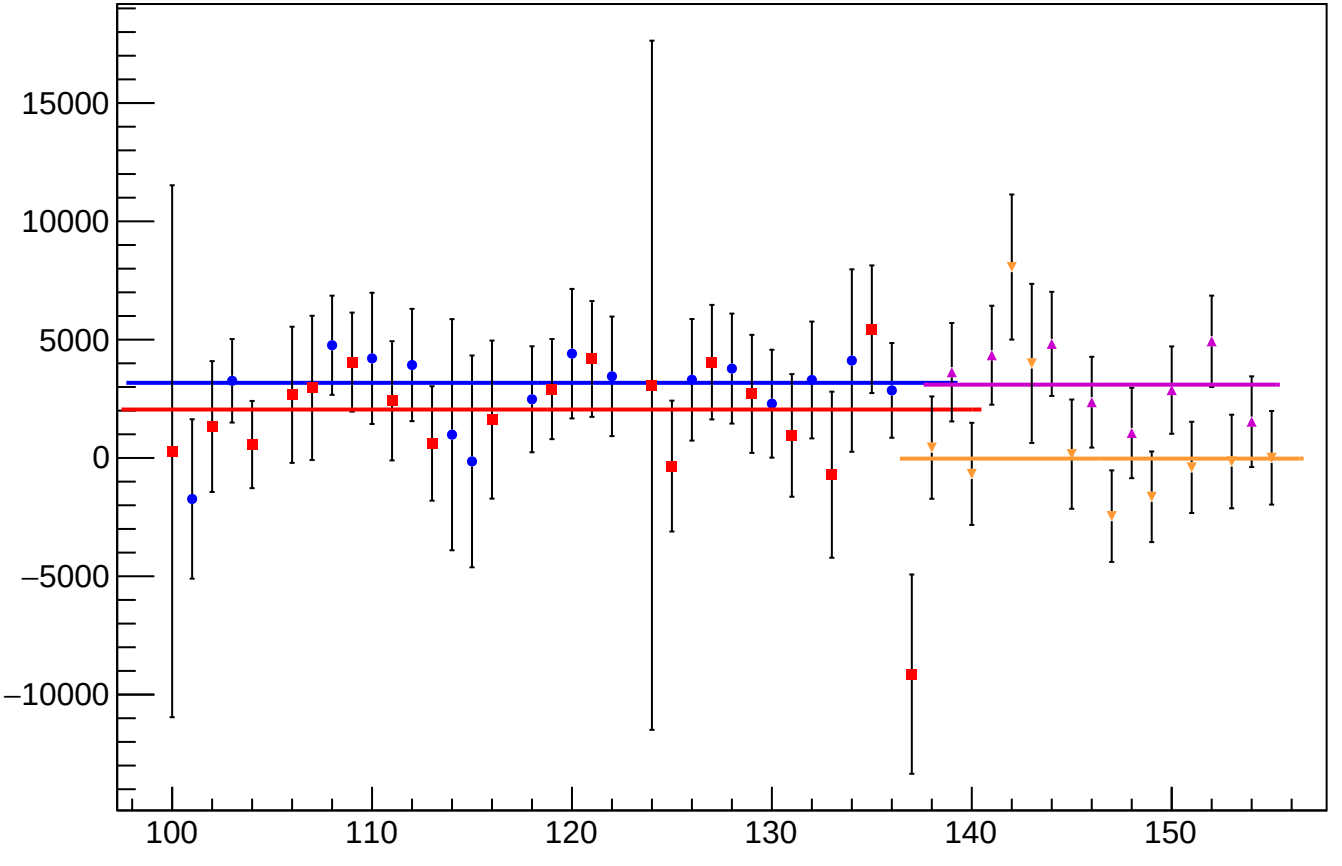
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4250369.6/23

Out: 0.000+/-0.000 χ^2/NDF:5642399.3/28

All: 0.000+/-0.000 χ^2/NDF: 9975041.6/52

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: -26.879+/-685.001 χ^2/NDF:10.9/9

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3098.184+/-699.212 χ^2/NDF:3.9/7

Left: 1503.572+/-489.316 χ^2/NDF: 25.0/17

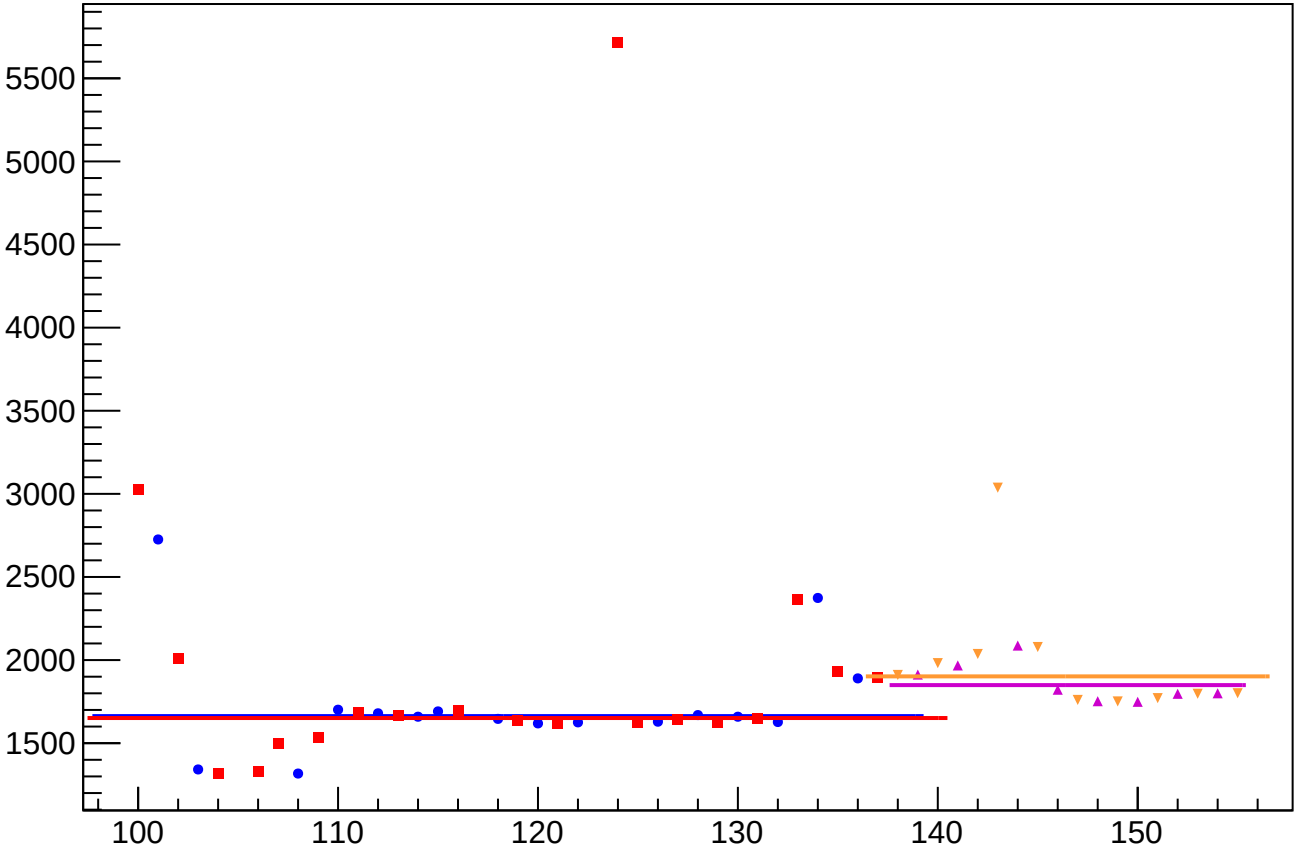
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3141.034+/-467.214 χ^2/NDF:8.2/23

Out: 1110.845+/-460.282 χ^2/NDF:29.9/28

All: 2110.768+/-327.892 χ^2/NDF: 47.8/52

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1901.926+/-0.484 χ^2/NDF:289642.9/9

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1849.418+/-0.494 χ^2/NDF:45885.6/7

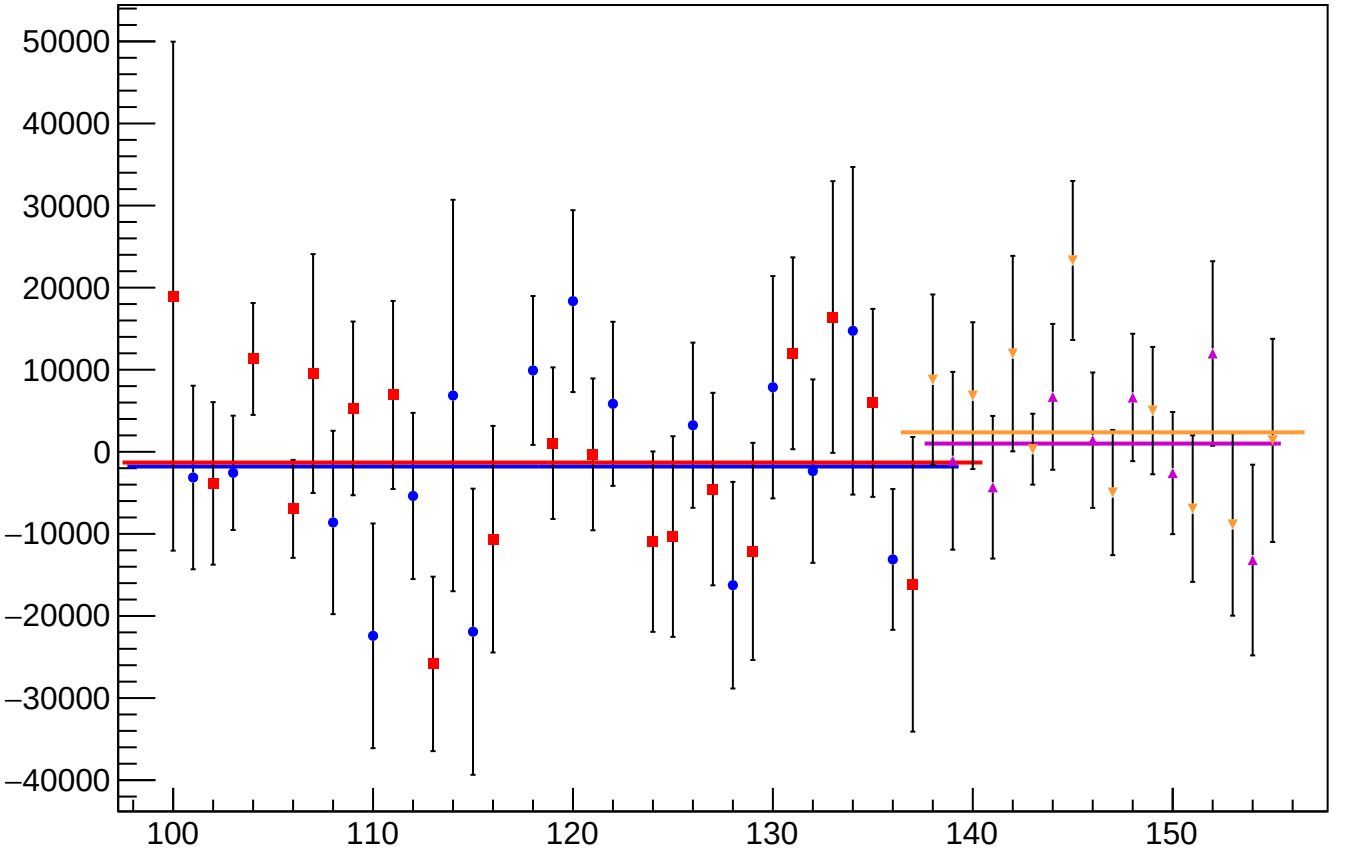
Left: 1876.211+/-0.346 χ^2/NDF: 341283.7/17

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1746.180+/-0.330 χ^2/NDF:540288.0/23

Out: 1764.472+/-0.325 χ^2/NDF:868430.9/28

All: 1755.462+/-0.232 χ^2/NDF: 1410274.6/52



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 2370.171+/-2547.505 χ^2/NDF:9.3/9

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 1002.301+/-3176.337 χ^2/NDF:4.0/7

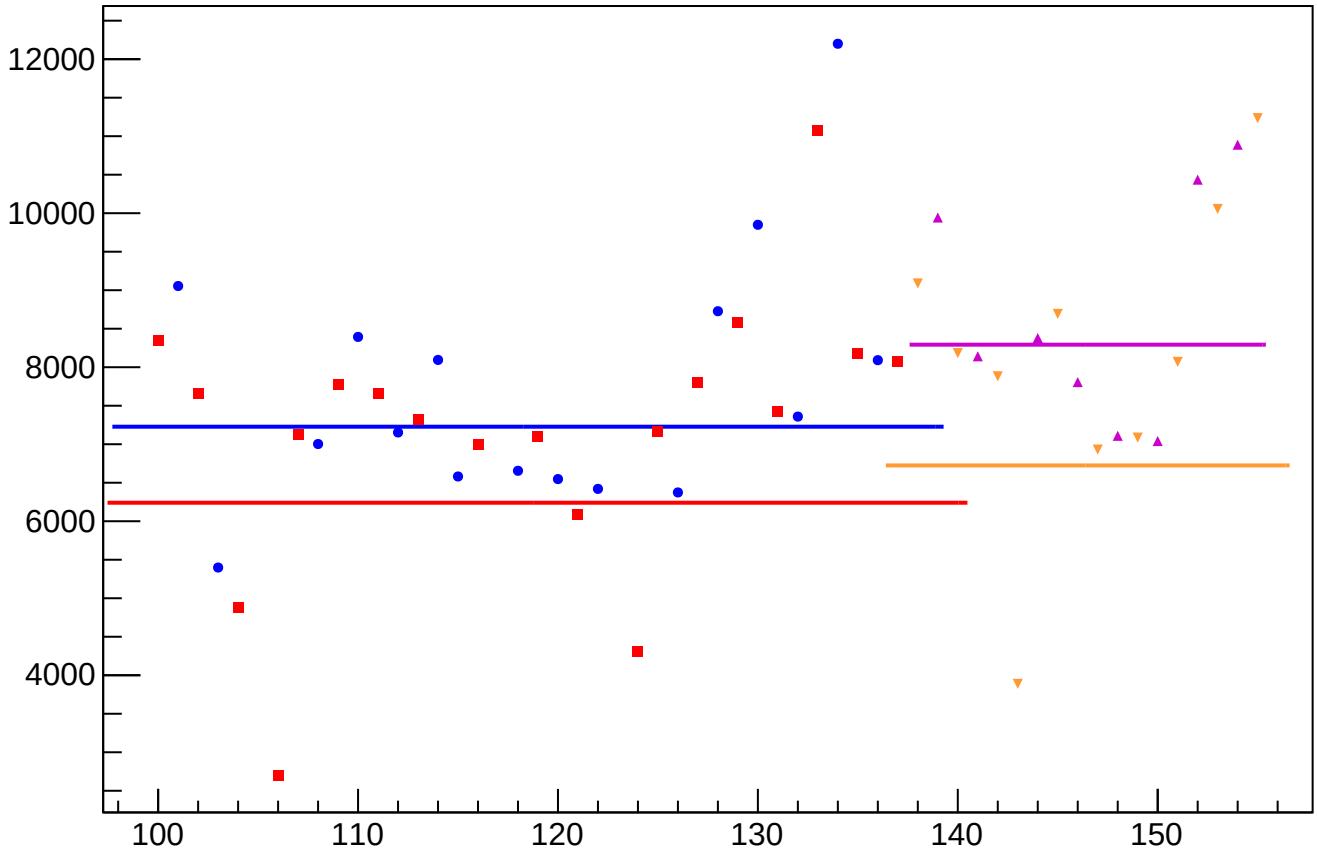
Left: 1834.721+/-1987.301 χ^2/NDF: 13.5/17

Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -597.458+/-2076.298 χ^2/NDF:18.8/23

Out: 445.235+/-1758.367 χ^2/NDF:28.1/28

All: 9.747+/-1341.835 χ^2/NDF: 47.1/52



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 6724.843+/-1.801 χ^2/NDF:1617281.0/9

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8292.848+/-2.246 χ^2/NDF:329876.5/7

Left: 7338.636+/-1.405 χ^2/NDF: 2243755.9/17

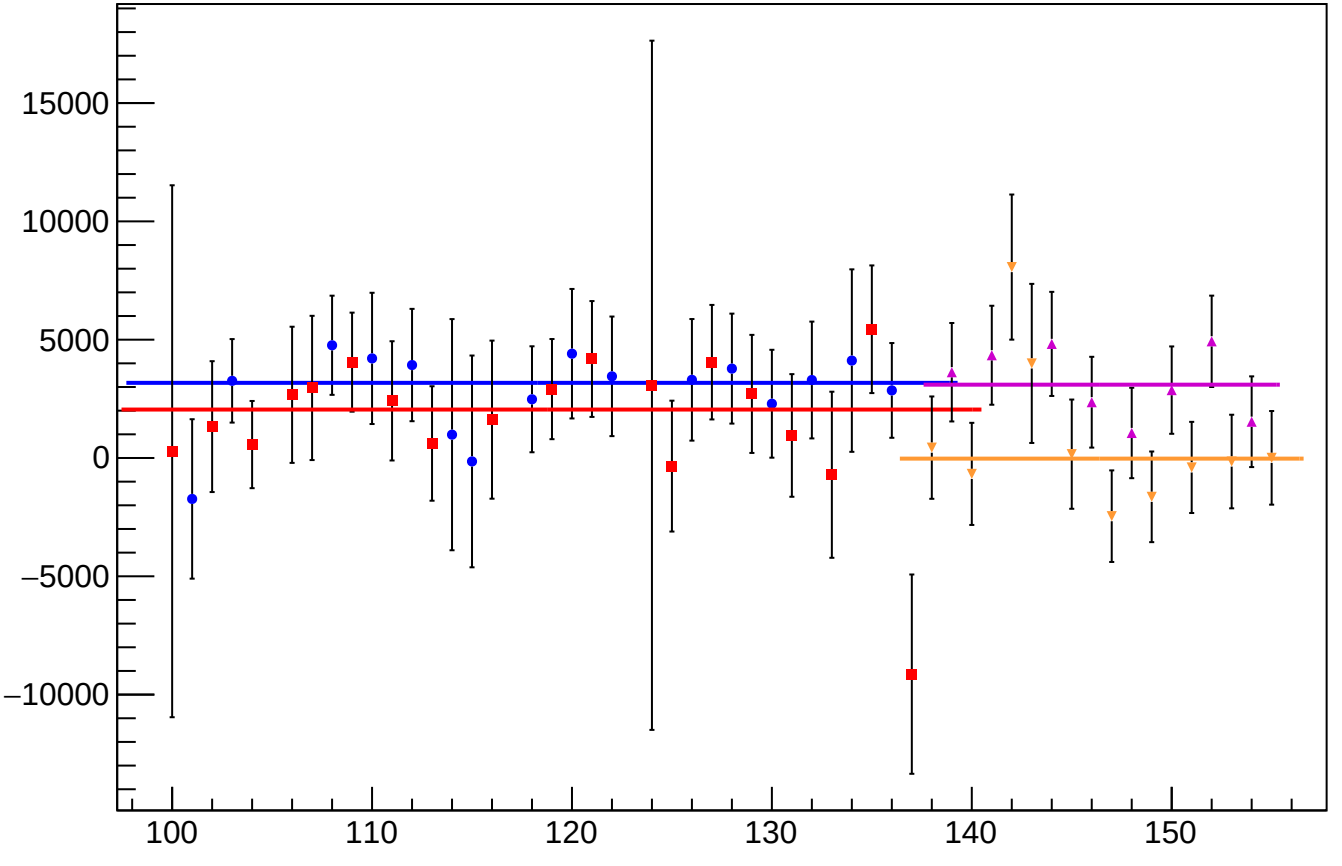
Right: 6674.473+/-1.286 χ^2/NDF: 2047393.1/34

In: 7682.768+/-1.468 χ^2/NDF:961967.7/23

Out: 6471.280+/-1.243 χ^2/NDF:3054201.7/28

All: 6977.266+/-0.949 χ^2/NDF: 4412691.9/52

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -26.892+/-685.001 χ^2/NDF:10.9/9

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3098.349+/-699.212 χ^2/NDF:3.9/7

Left: 1503.647+/-489.316 χ^2/NDF: 25.0/17

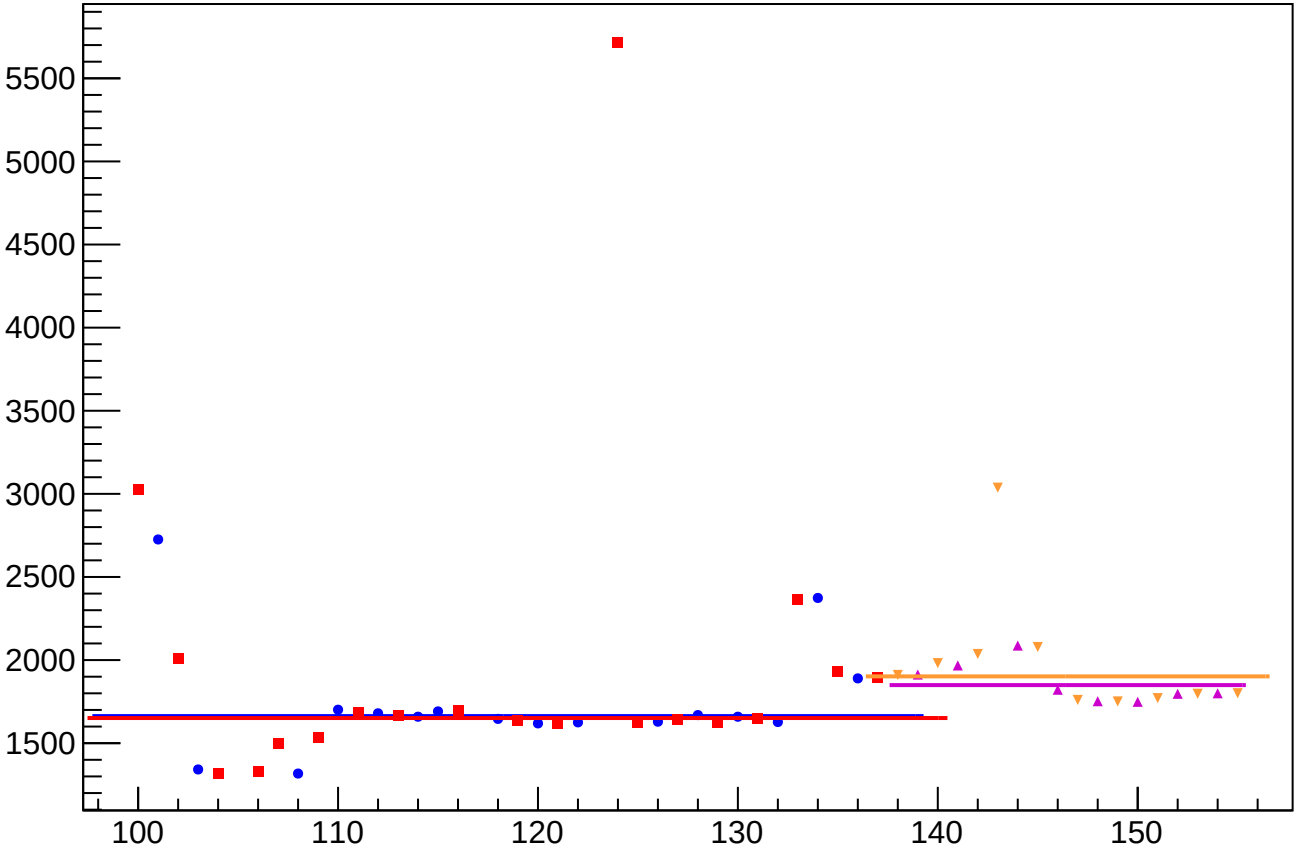
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3141.157+/-467.214 χ^2/NDF:8.2/23

Out: 1110.733+/-460.282 χ^2/NDF:29.9/28

All: 2110.772+/-327.892 χ^2/NDF: 47.7/52

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1901.926+/-0.484 χ^2/NDF:289642.9/9

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1849.418+/-0.494 χ^2/NDF:45885.6/7

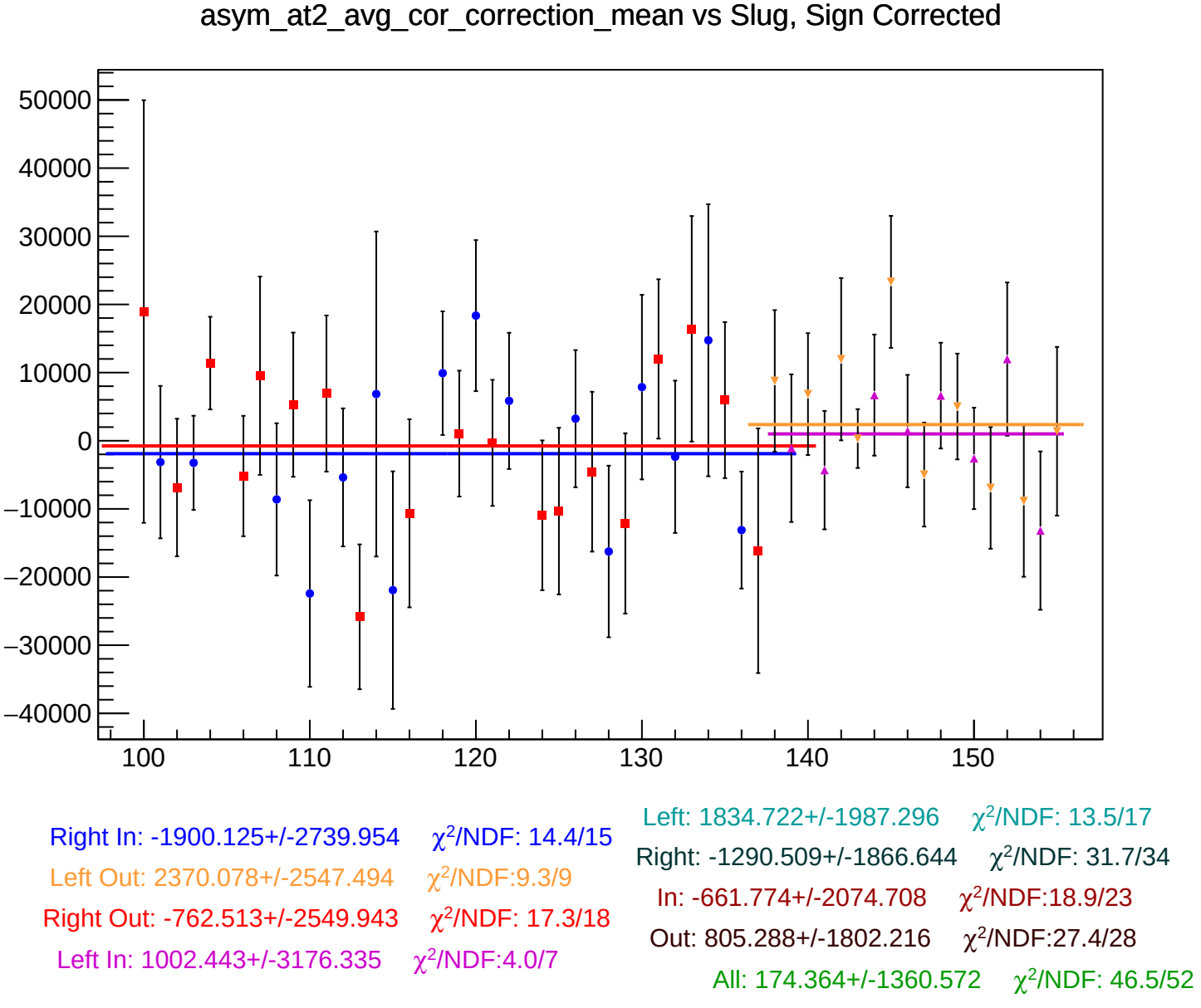
Left: 1876.211+/-0.346 χ^2/NDF: 341283.7/17

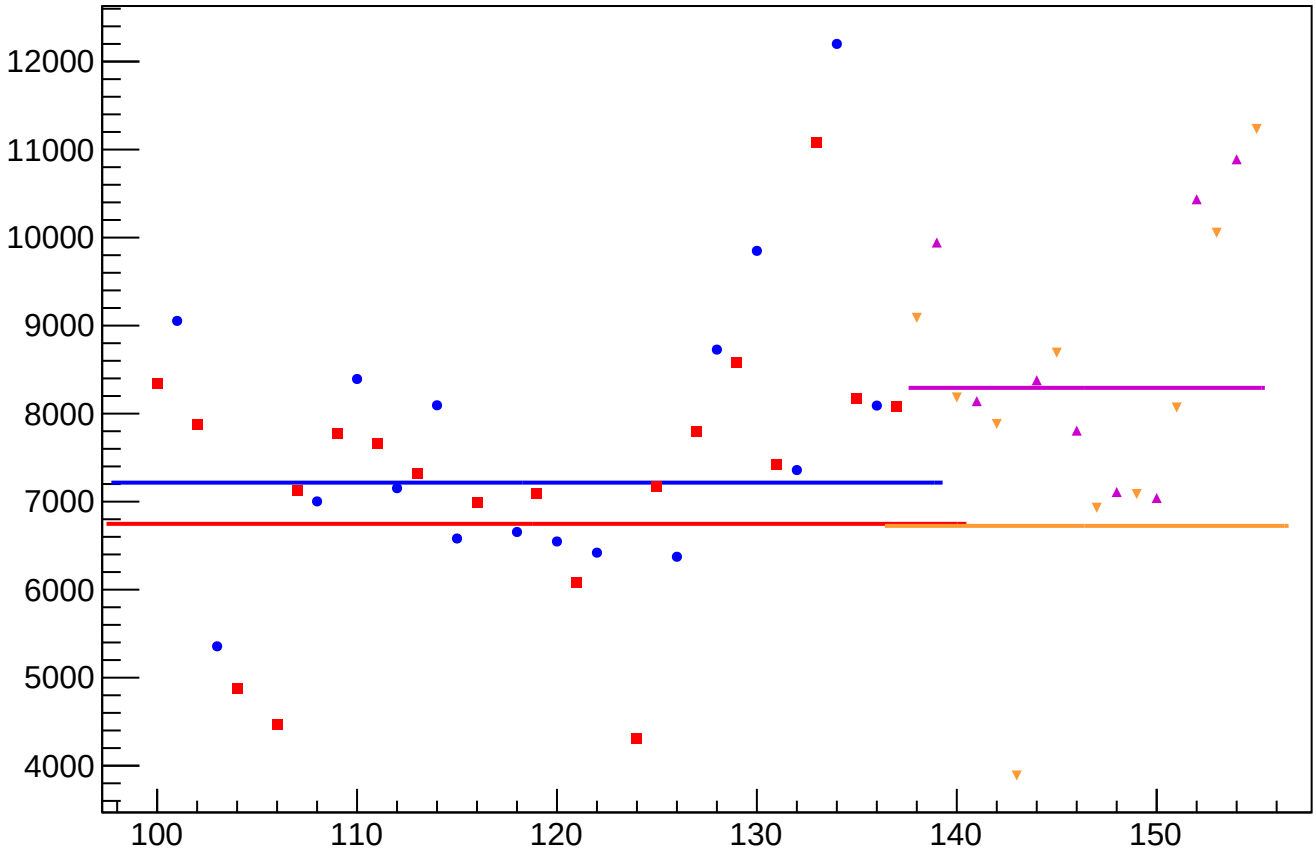
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1746.179+/-0.330 χ^2/NDF:540288.4/23

Out: 1764.472+/-0.325 χ^2/NDF:868431.2/28

All: 1755.462+/-0.232 χ^2/NDF: 1410275.3/52


asym_at2_avg_cor_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: 2370.078+/-2547.494 χ²/NDF:9.3/9
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 1002.443+/-3176.335 χ²/NDF:4.0/7
Left: 1834.722+/-1987.296 χ²/NDF: 13.5/17
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: -661.774+/-2074.708 χ²/NDF:18.9/23
Out: 805.288+/-1802.216 χ²/NDF:27.4/28
All: 174.364+/-1360.572 χ²/NDF: 46.5/52



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6724.805+/-1.801 χ^2/NDF:1617324.0/9

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8292.841+/-2.246 χ^2/NDF:329877.4/7

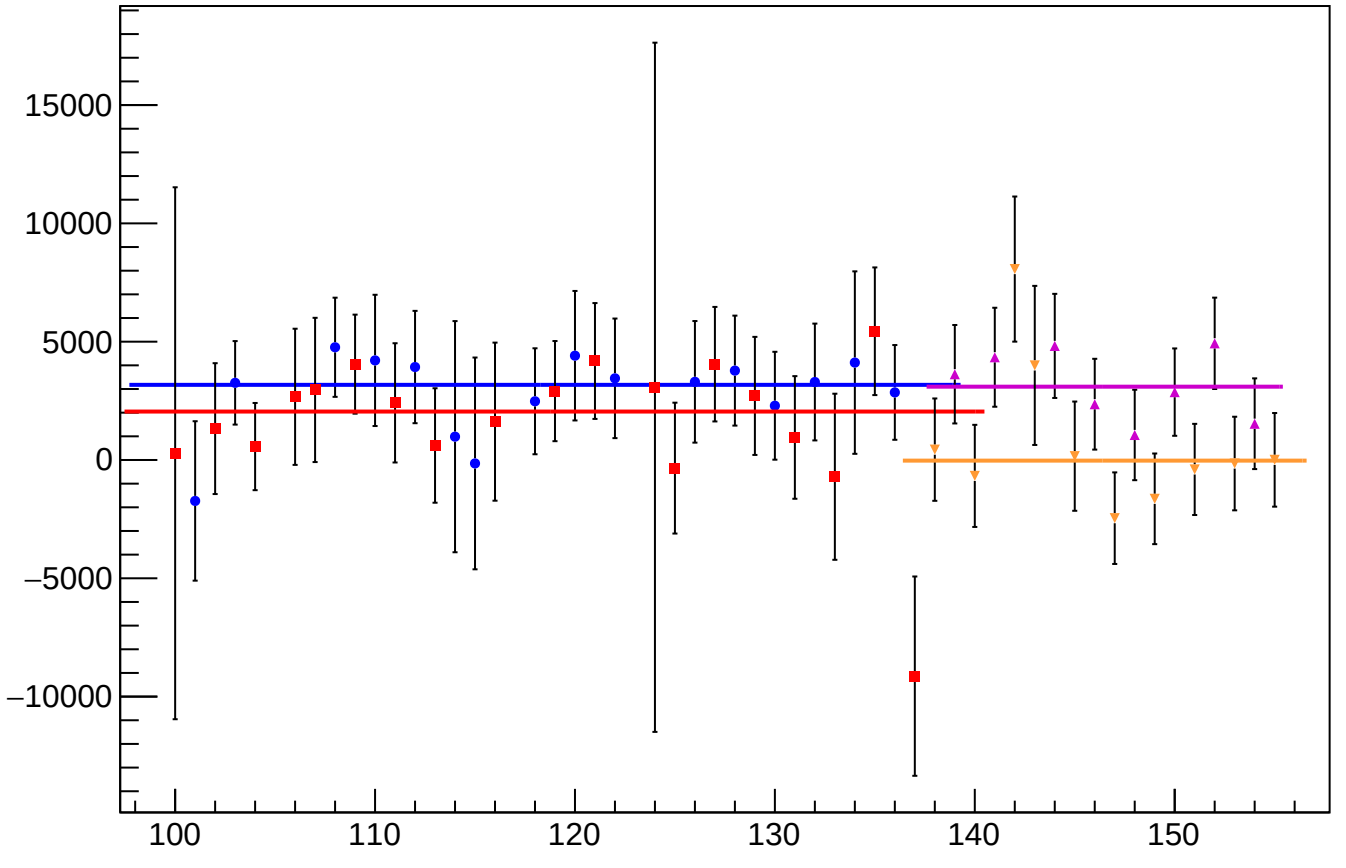
Left: 7338.608+/-1.405 χ^2/NDF: 2243813.1/17

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7675.440+/-1.467 χ^2/NDF:973794.4/23

Out: 6736.260+/-1.274 χ^2/NDF:2326198.3/28

All: 7140.163+/-0.962 χ^2/NDF: 3533576.9/52



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -26.892+/-685.001 χ^2/NDF:10.9/9

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3098.349+/-699.212 χ^2/NDF:3.9/7

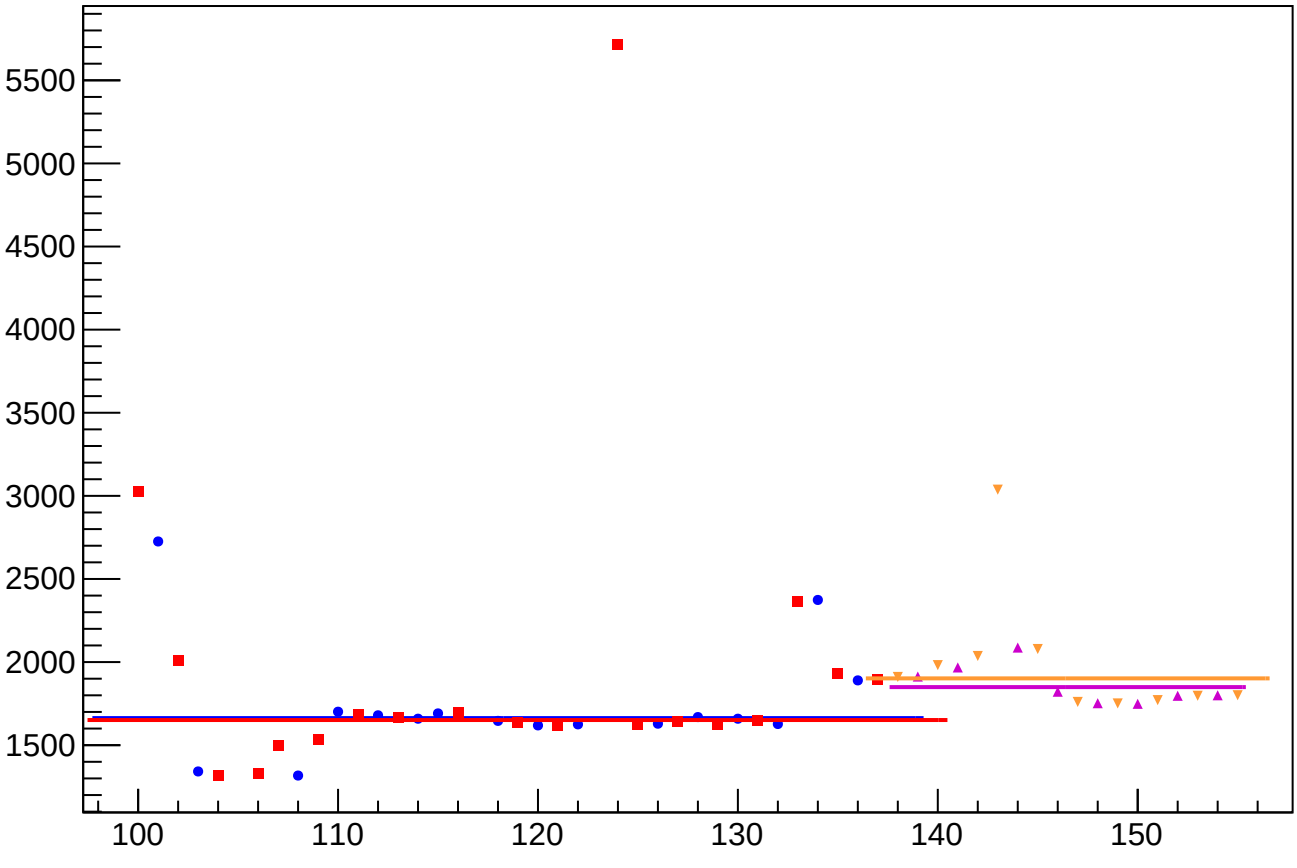
Left: 1503.647+/-489.316 χ^2/NDF: 25.0/17

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3141.157+/-467.214 χ^2/NDF:8.2/23

Out: 1110.733+/-460.282 χ^2/NDF:29.9/28

All: 2110.772+/-327.892 χ^2/NDF: 47.7/52



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1901.926+/-0.484 χ^2/NDF:289642.9/9

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1849.418+/-0.494 χ^2/NDF:45885.6/7

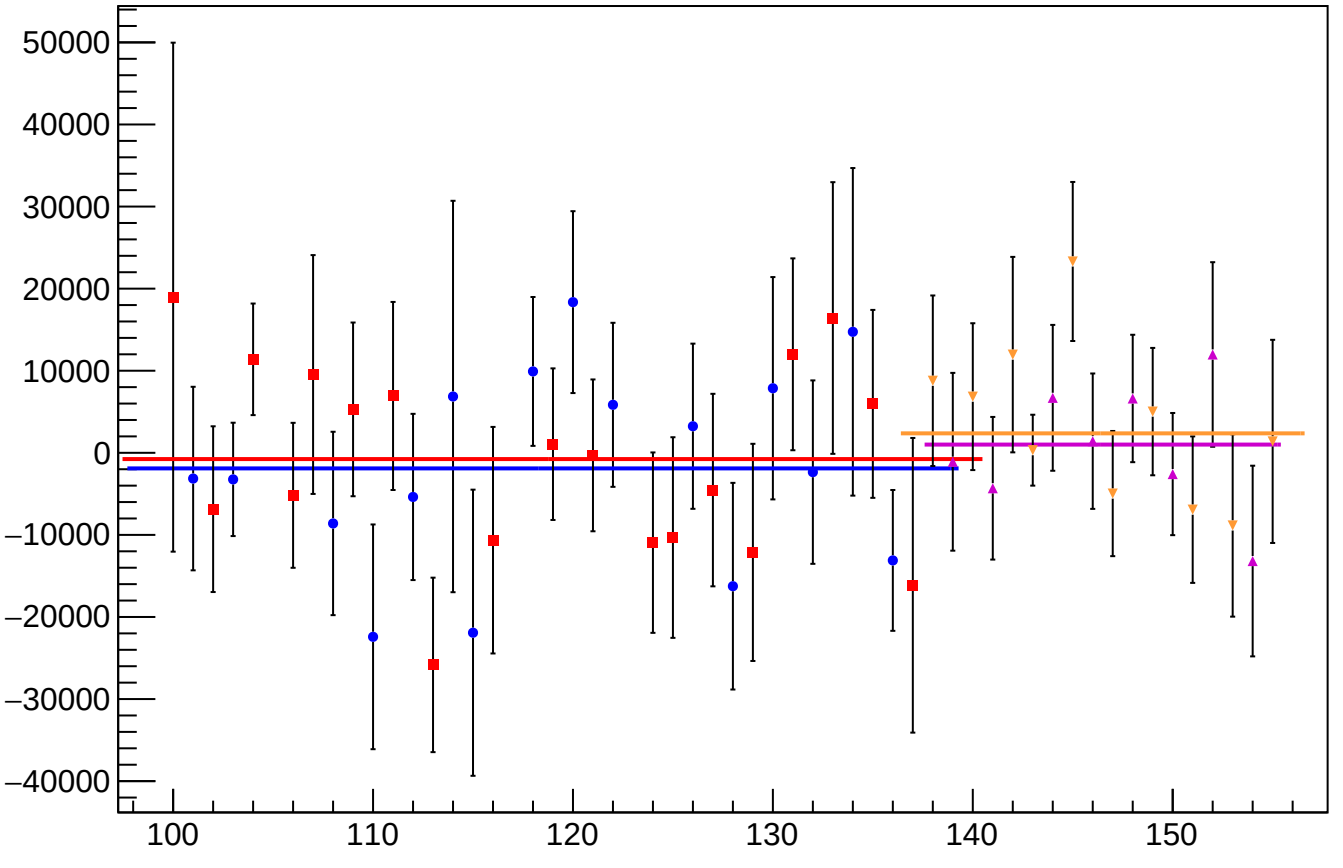
Left: 1876.211+/-0.346 χ^2/NDF: 341283.7/17

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1746.179+/-0.330 χ^2/NDF:540288.4/23

Out: 1764.472+/-0.325 χ^2/NDF:868431.2/28

All: 1755.462+/-0.232 χ^2/NDF: 1410275.3/52



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 2370.078+/-2547.494 χ^2/NDF:9.3/9

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 1002.443+/-3176.335 χ^2/NDF:4.0/7

Left: 1834.722+/-1987.296 χ^2/NDF: 13.5/17

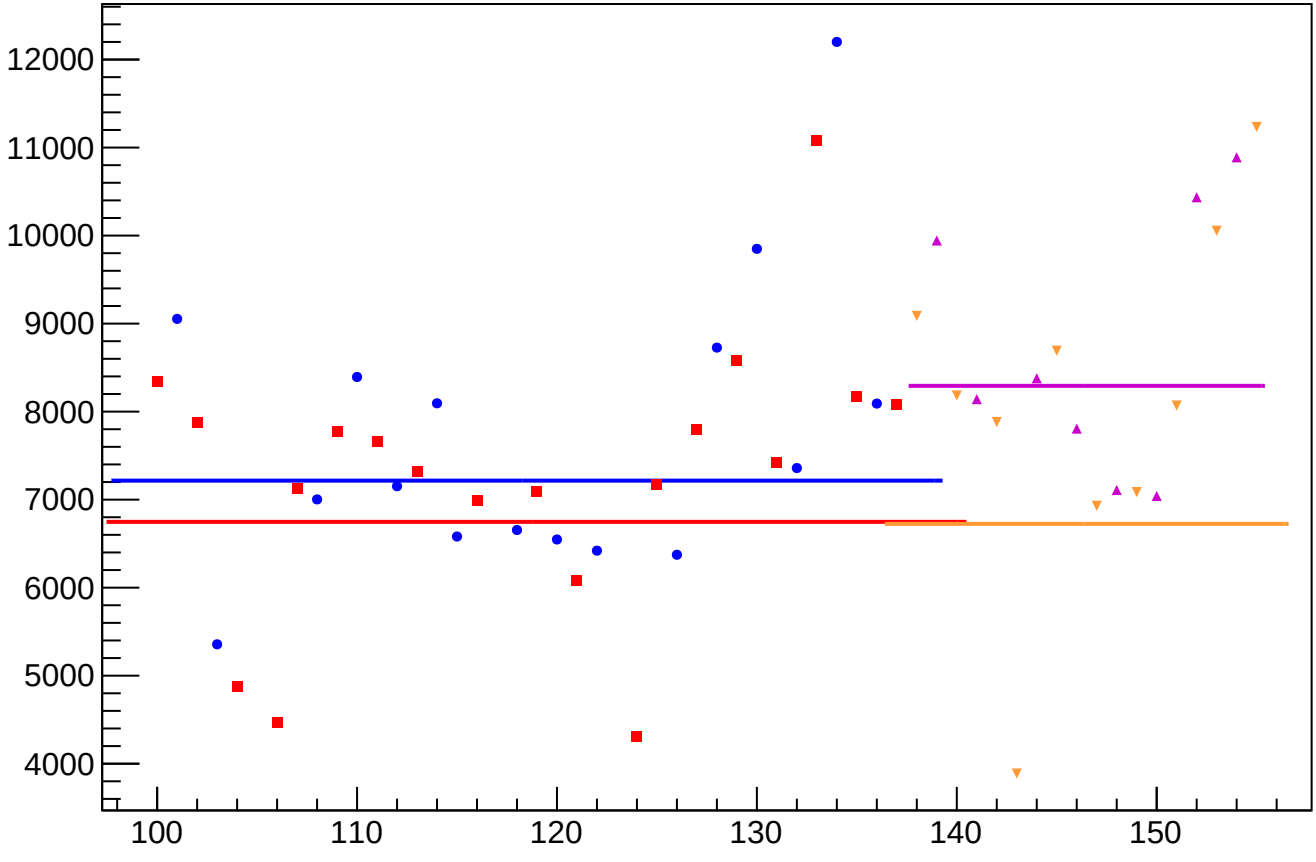
Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -661.774+/-2074.708 χ^2/NDF:18.9/23

Out: 805.288+/-1802.216 χ^2/NDF:27.4/28

All: 174.364+/-1360.572 χ^2/NDF: 46.5/52

asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6724.805+/-1.801 χ^2/NDF:1617324.0/9

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8292.841+/-2.246 χ^2/NDF:329877.4/7

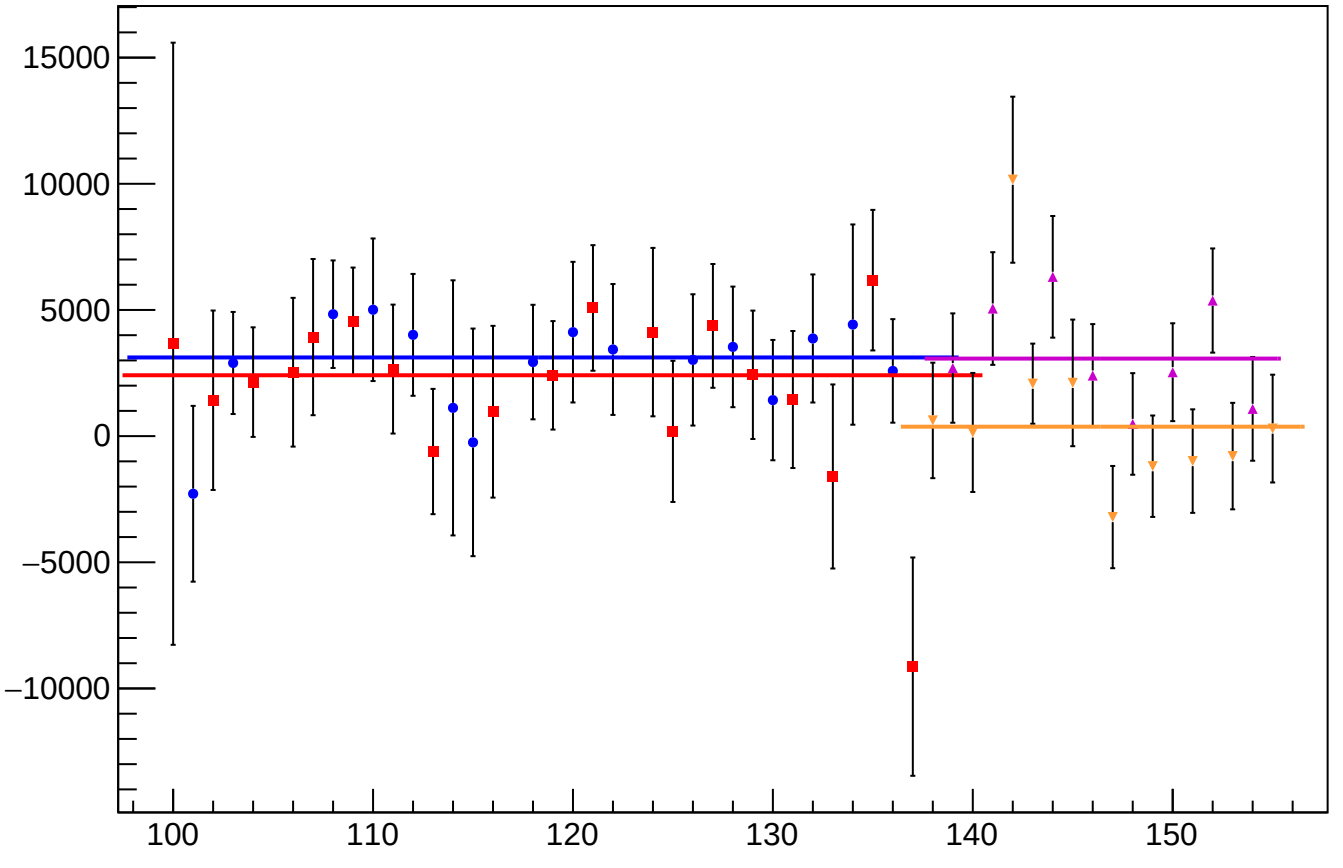
Left: 7338.608+/-1.405 χ^2/NDF: 2243813.1/17

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7675.440+/-1.467 χ^2/NDF:973794.4/23

Out: 6736.260+/-1.274 χ^2/NDF:2326198.3/28

All: 7140.163+/-0.962 χ^2/NDF: 3533576.9/52



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 373.664+/-675.562 χ^2/NDF:15.0/9

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3072.802+/-743.282 χ^2/NDF:6.6/7

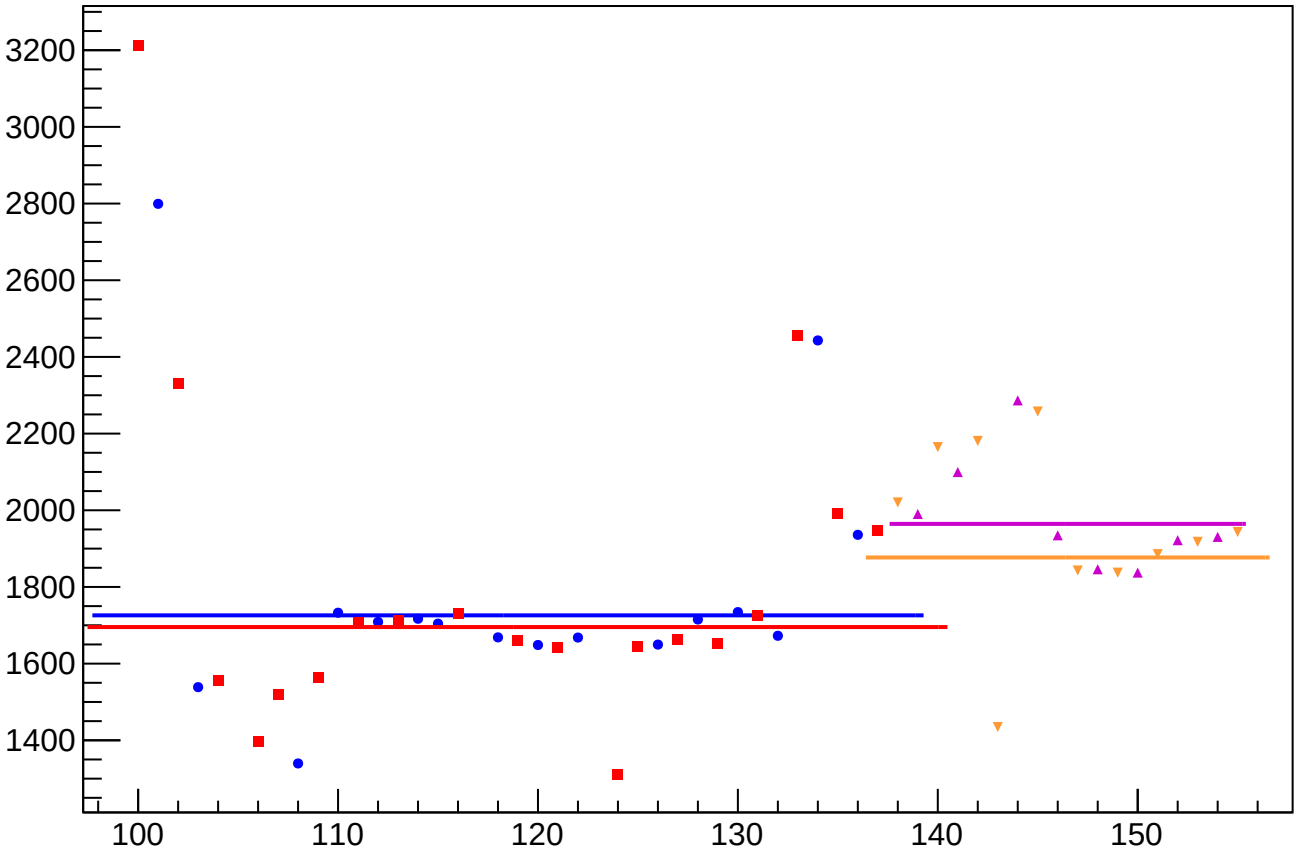
Left: 1594.699+/-499.925 χ^2/NDF: 28.9/17

Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3098.307+/-489.773 χ^2/NDF:12.0/23

Out: 1449.702+/-464.236 χ^2/NDF:35.8/28

All: 2229.906+/-336.931 χ^2/NDF: 53.7/52



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1876.890+/-0.478 χ^2/NDF:259983.5/9

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1964.492+/-0.526 χ^2/NDF:60656.5/7

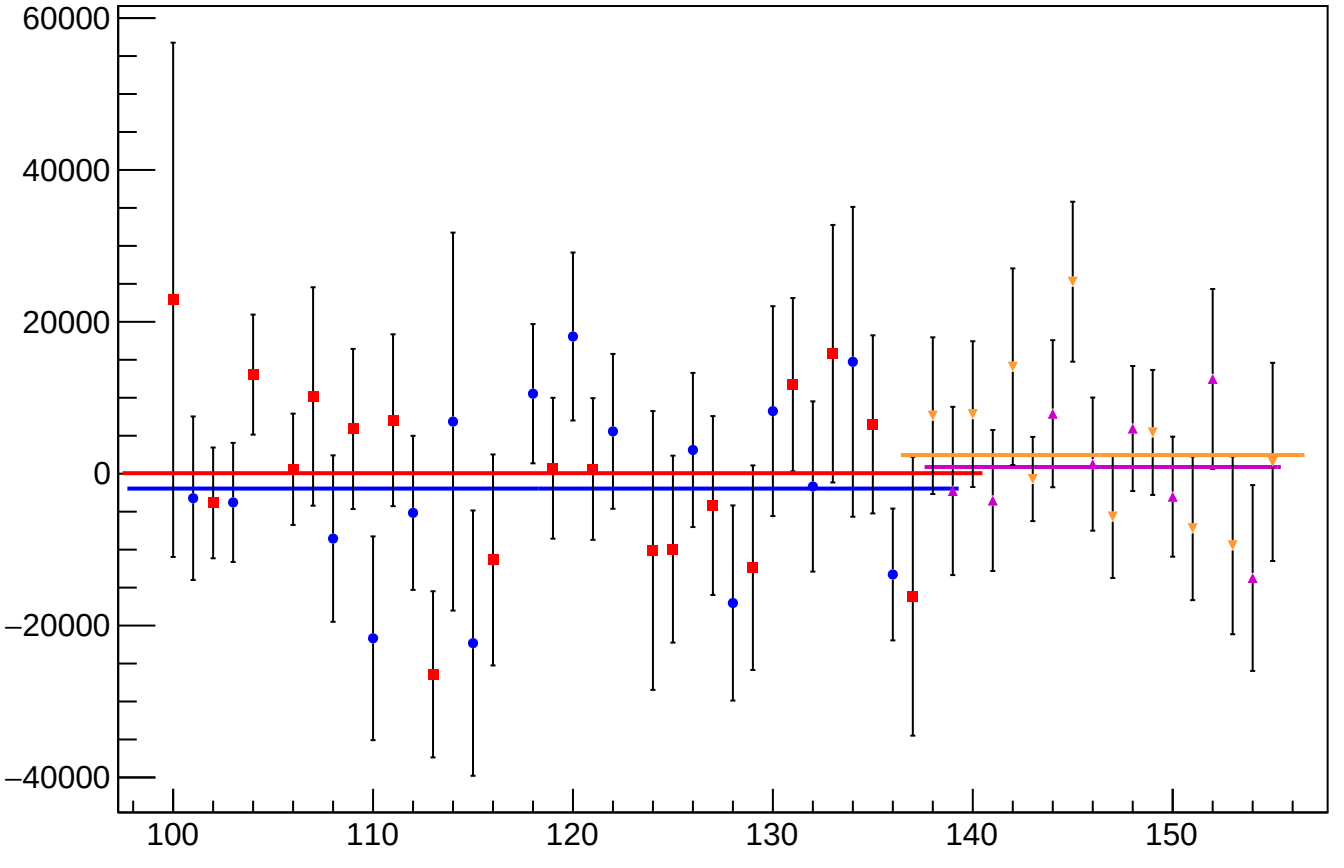
Left: 1916.520+/-0.354 χ^2/NDF: 335853.5/17

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1829.501+/-0.346 χ^2/NDF:542886.4/23

Out: 1781.063+/-0.328 χ^2/NDF:621825.9/28

All: 1803.982+/-0.238 χ^2/NDF: 1175018.2/52



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 2455.830+/-2861.194 χ^2/NDF:9.6/9

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 883.096+/-3370.758 χ^2/NDF:3.8/7

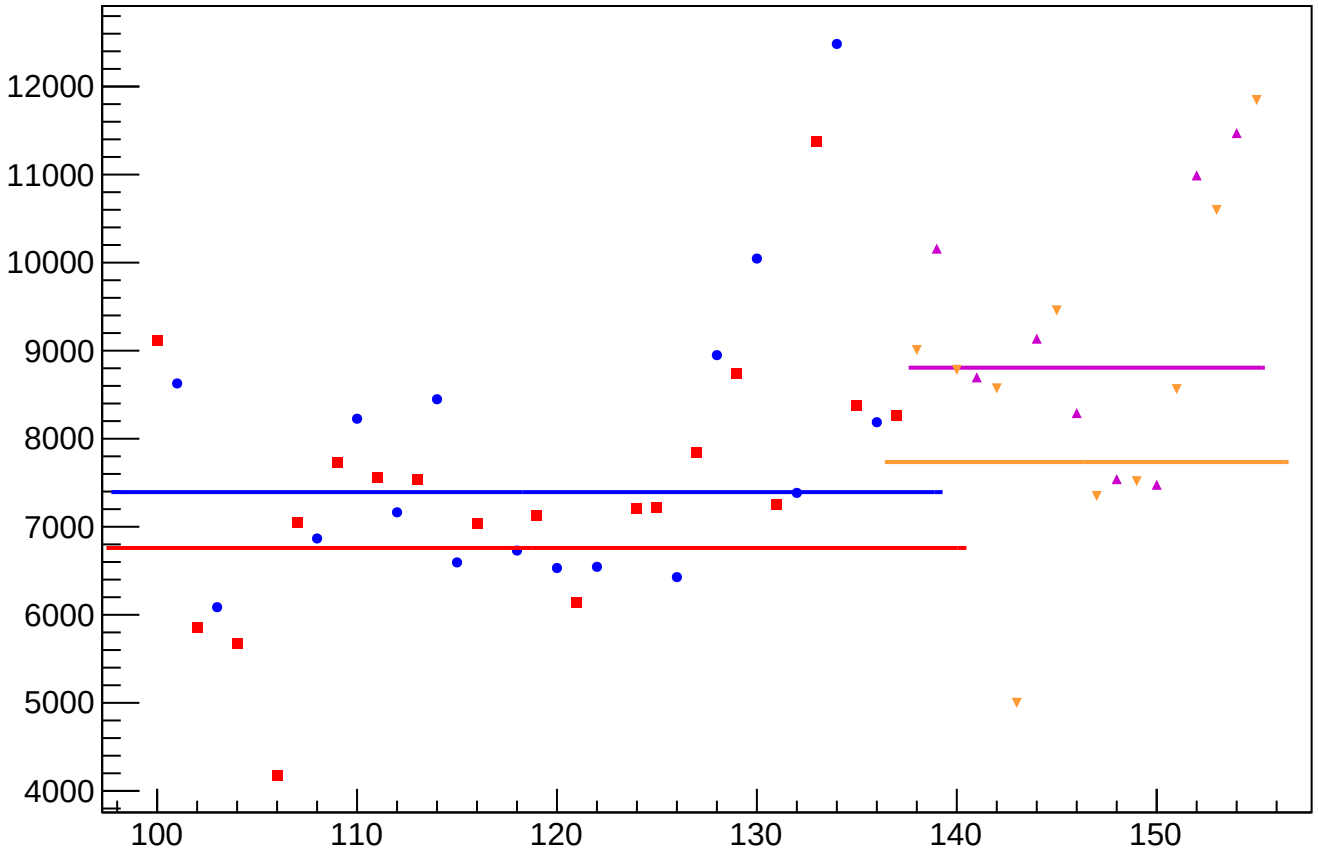
Left: 1797.206+/-2181.317 χ^2/NDF: 13.6/17

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -799.168+/-2153.064 χ^2/NDF:18.7/23

Out: 1115.644+/-1895.109 χ^2/NDF:26.1/28

All: 279.759+/-1422.549 χ^2/NDF: 45.2/52



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7734.880+/-2.023 χ^2/NDF:942019.7/9

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 8806.634+/-2.383 χ^2/NDF:306090.5/7

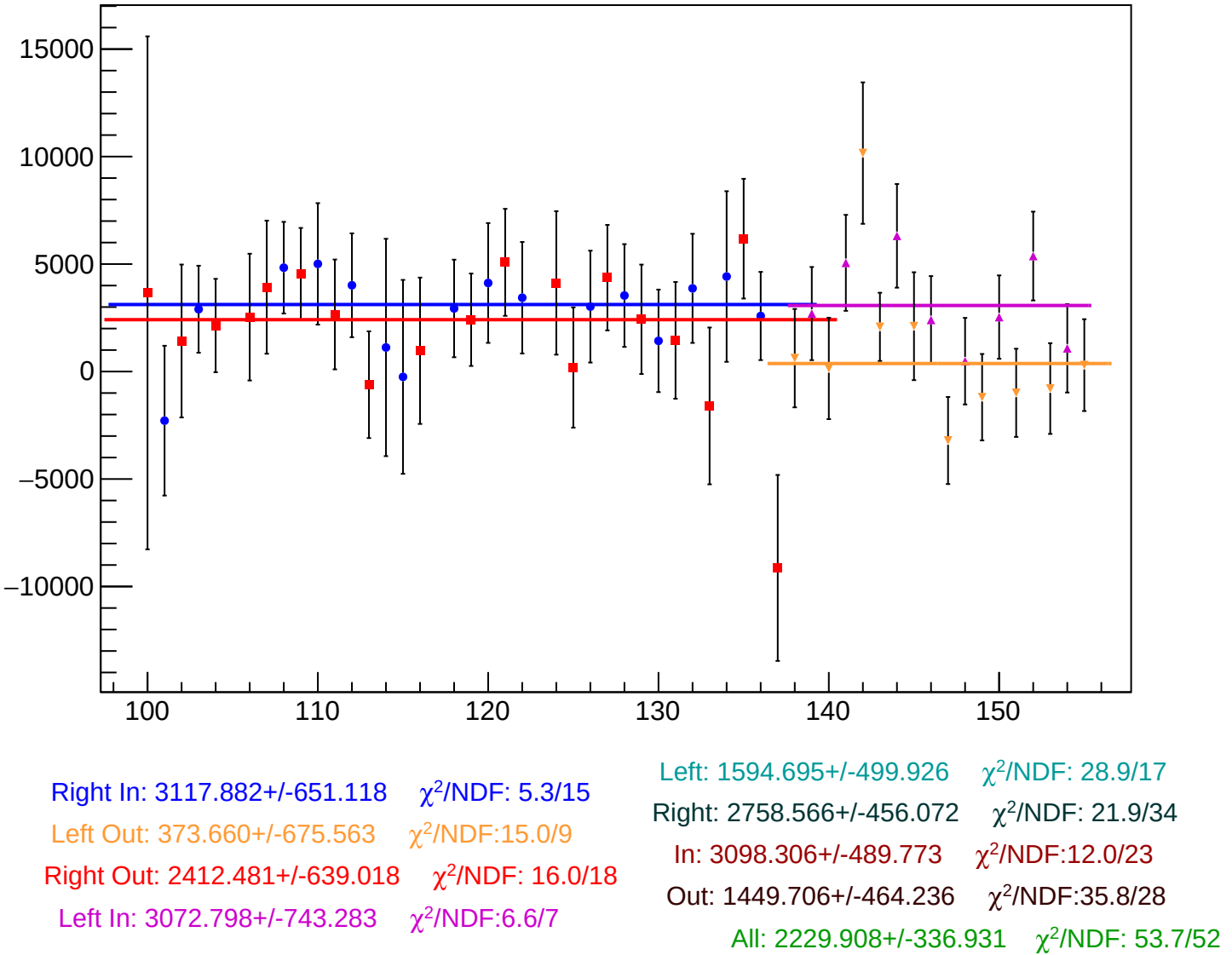
Left: 8183.705+/-1.542 χ^2/NDF: 1365629.0/17

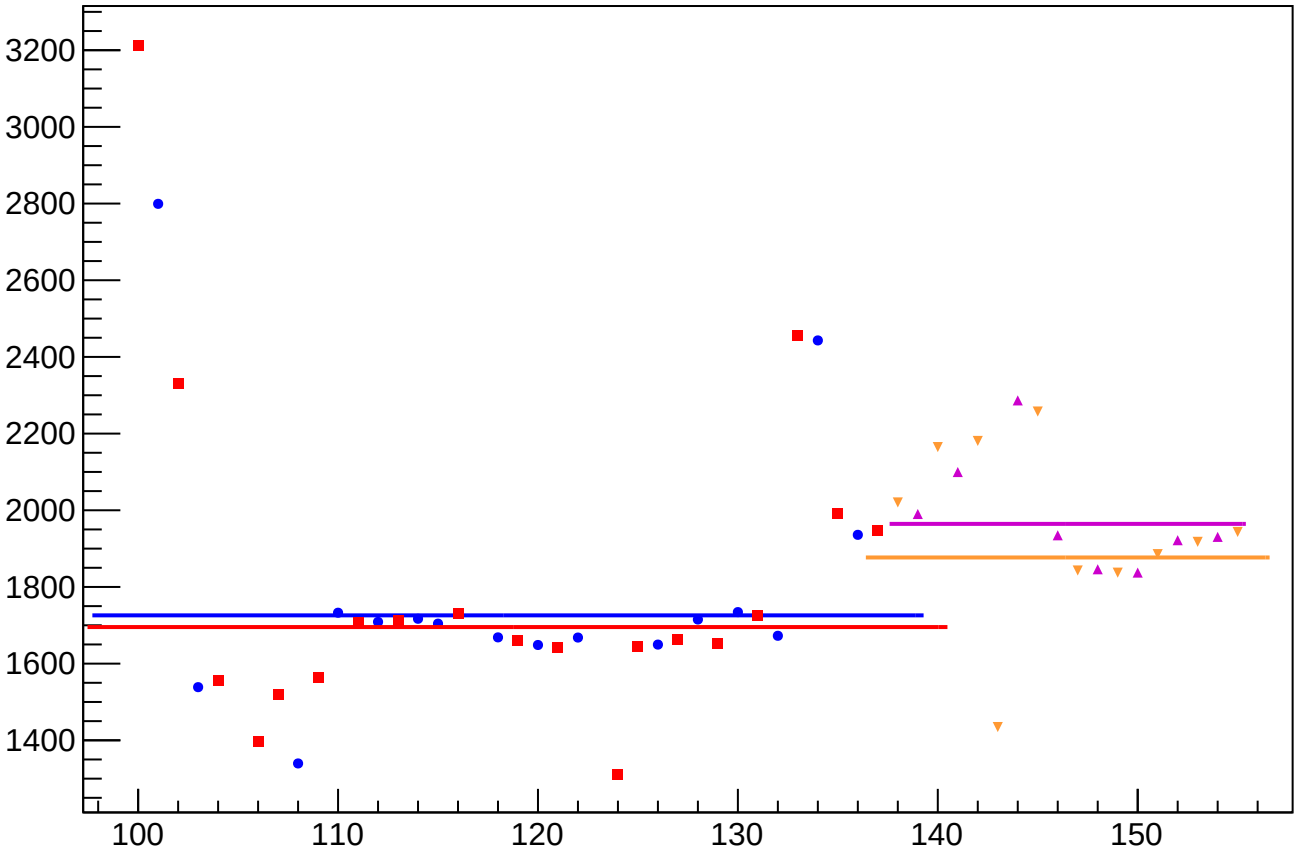
Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 7970.129+/-1.522 χ^2/NDF:915977.3/23

Out: 7187.365+/-1.340 χ^2/NDF:1716788.8/28

All: 7529.070+/-1.006 χ^2/NDF: 2781717.1/52


eigen_dit_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 3117.882+/-651.118 χ²/NDF: 5.3/15
Left Out: 373.660+/-675.563 χ²/NDF:15.0/9
Right Out: 2412.481+/-639.018 χ²/NDF: 16.0/18
Left In: 3072.798+/-743.283 χ²/NDF:6.6/7
Left: 1594.695+/-499.926 χ²/NDF: 28.9/17
Right: 2758.566+/-456.072 χ²/NDF: 21.9/34
In: 3098.306+/-489.773 χ²/NDF:12.0/23
Out: 1449.706+/-464.236 χ²/NDF:35.8/28
All: 2229.908+/-336.931 χ²/NDF: 53.7/52



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1876.893+/-0.478 χ^2/NDF:259984.0/9

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1964.495+/-0.526 χ^2/NDF:60656.8/7

Left: 1916.522+/-0.354 χ^2/NDF: 335854.3/17

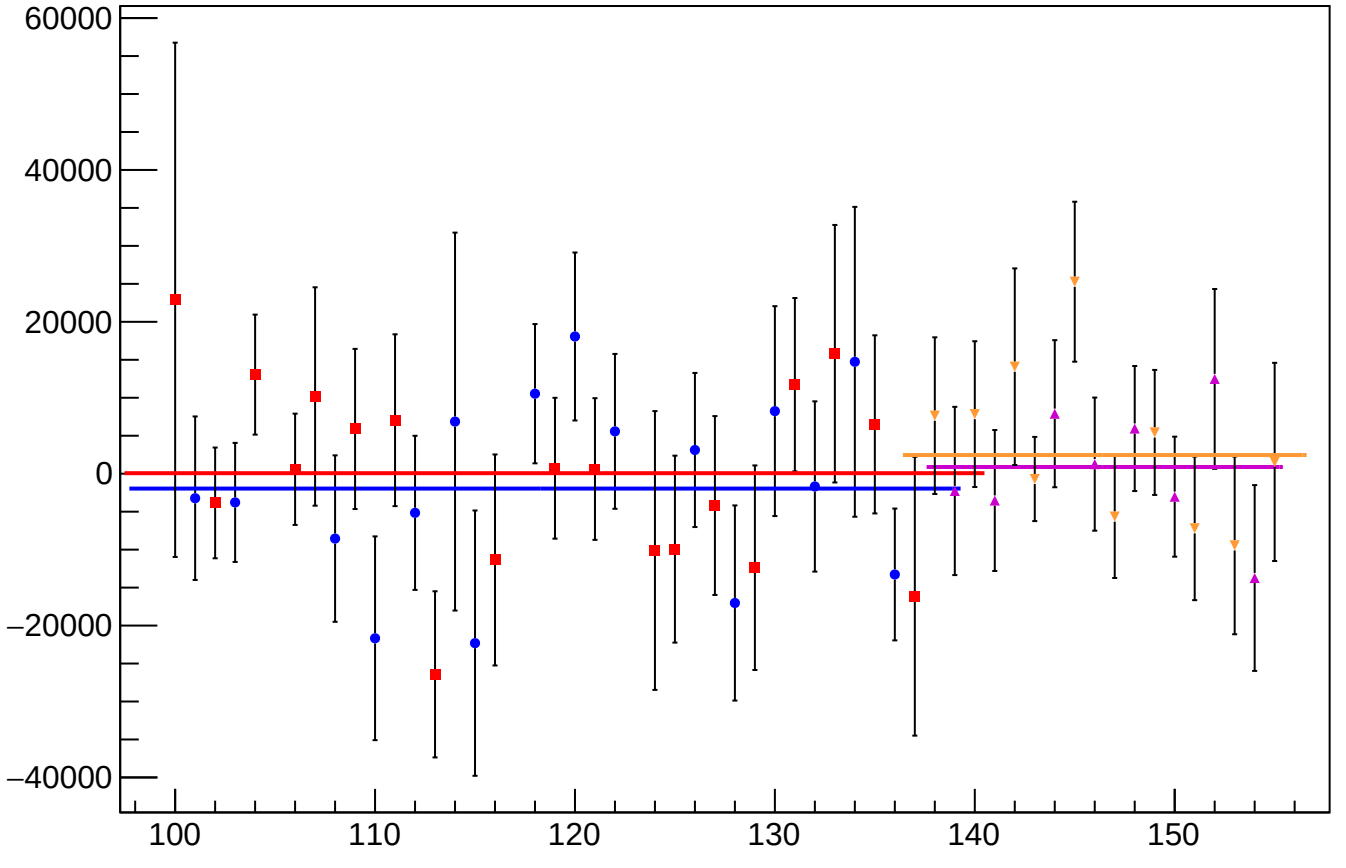
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1829.502+/-0.346 χ^2/NDF:542889.7/23

Out: 1781.064+/-0.328 χ^2/NDF:621828.9/28

All: 1803.983+/-0.238 χ^2/NDF: 1175024.5/52

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: 2455.824+/-2861.198 χ^2/NDF:9.6/9

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 883.092+/-3370.763 χ^2/NDF:3.8/7

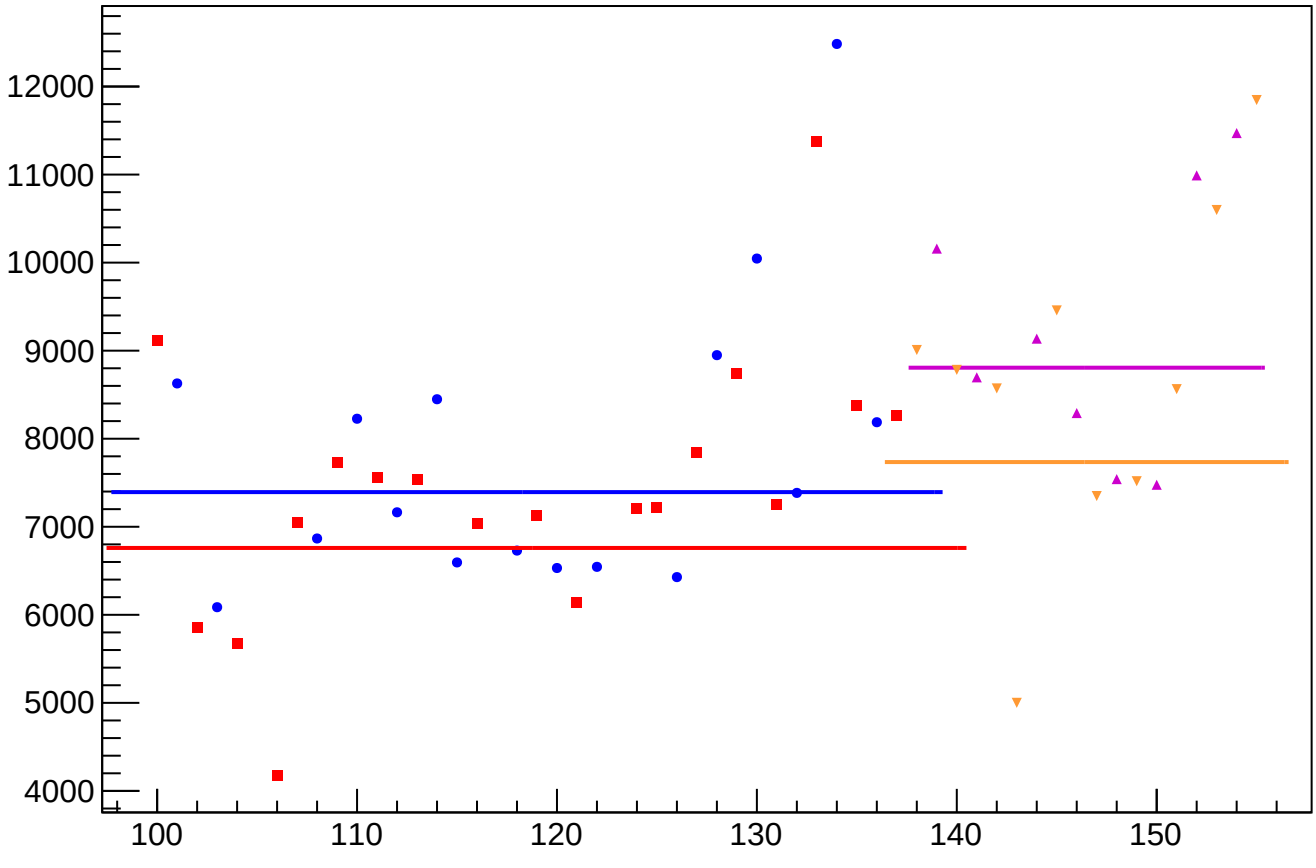
Left: 1797.201+/-2181.320 χ^2/NDF: 13.6/17

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -799.162+/-2153.062 χ^2/NDF:18.7/23

Out: 1115.641+/-1895.108 χ^2/NDF:26.1/28

All: 279.760+/-1422.548 χ^2/NDF: 45.2/52



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7734.892+/-2.023 χ^2/NDF:942019.1/9

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 8806.645+/-2.383 χ^2/NDF:306091.0/7

Left: 8183.717+/-1.542 χ^2/NDF: 1365628.6/17

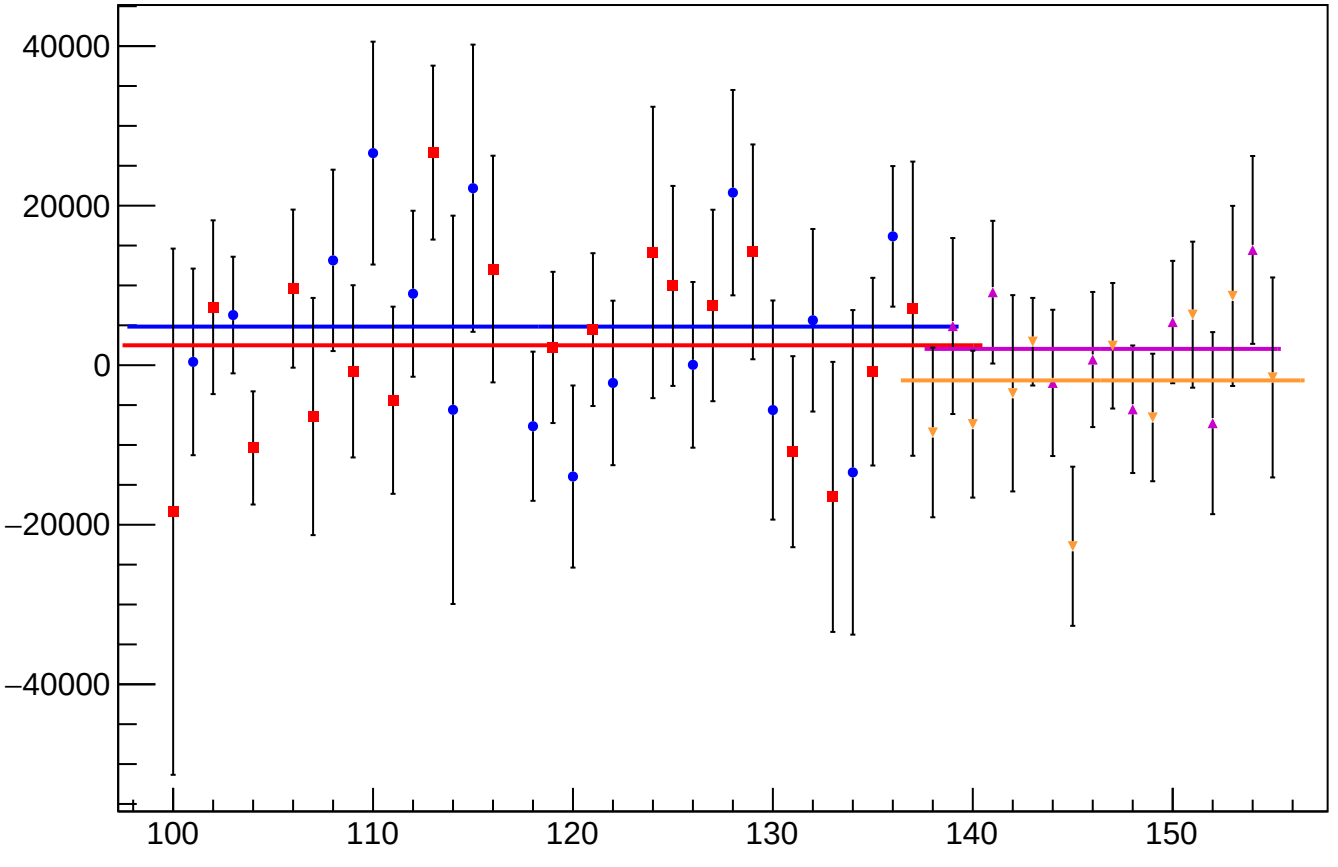
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 7970.121+/-1.522 χ^2/NDF:915988.6/23

Out: 7187.360+/-1.340 χ^2/NDF:1716793.9/28

All: 7529.064+/-1.006 χ^2/NDF: 2781732.4/52

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -1905.438+/-2790.562 χ^2/NDF:8.2/9

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 2043.692+/-3260.159 χ^2/NDF:3.8/7

Left: -235.531+/-2119.992 χ^2/NDF: 12.9/17

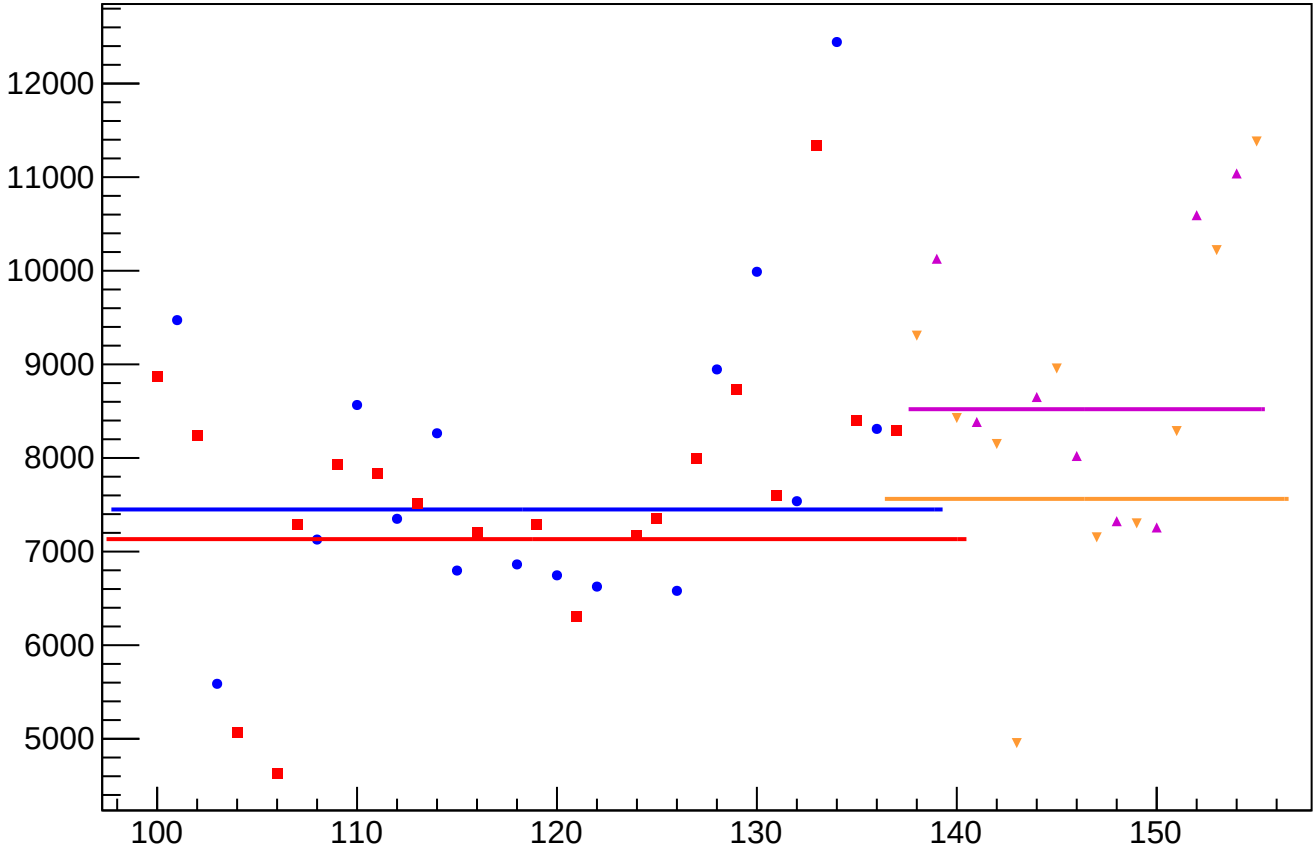
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3637.655+/-2136.664 χ^2/NDF:18.6/23

Out: 371.420+/-1938.754 χ^2/NDF:24.4/28

All: 1846.296+/-1435.788 χ^2/NDF: 44.3/52

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 7563.041+/-1.973 χ^2/NDF:882937.6/9

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8521.140+/-2.305 χ^2/NDF:306820.5/7

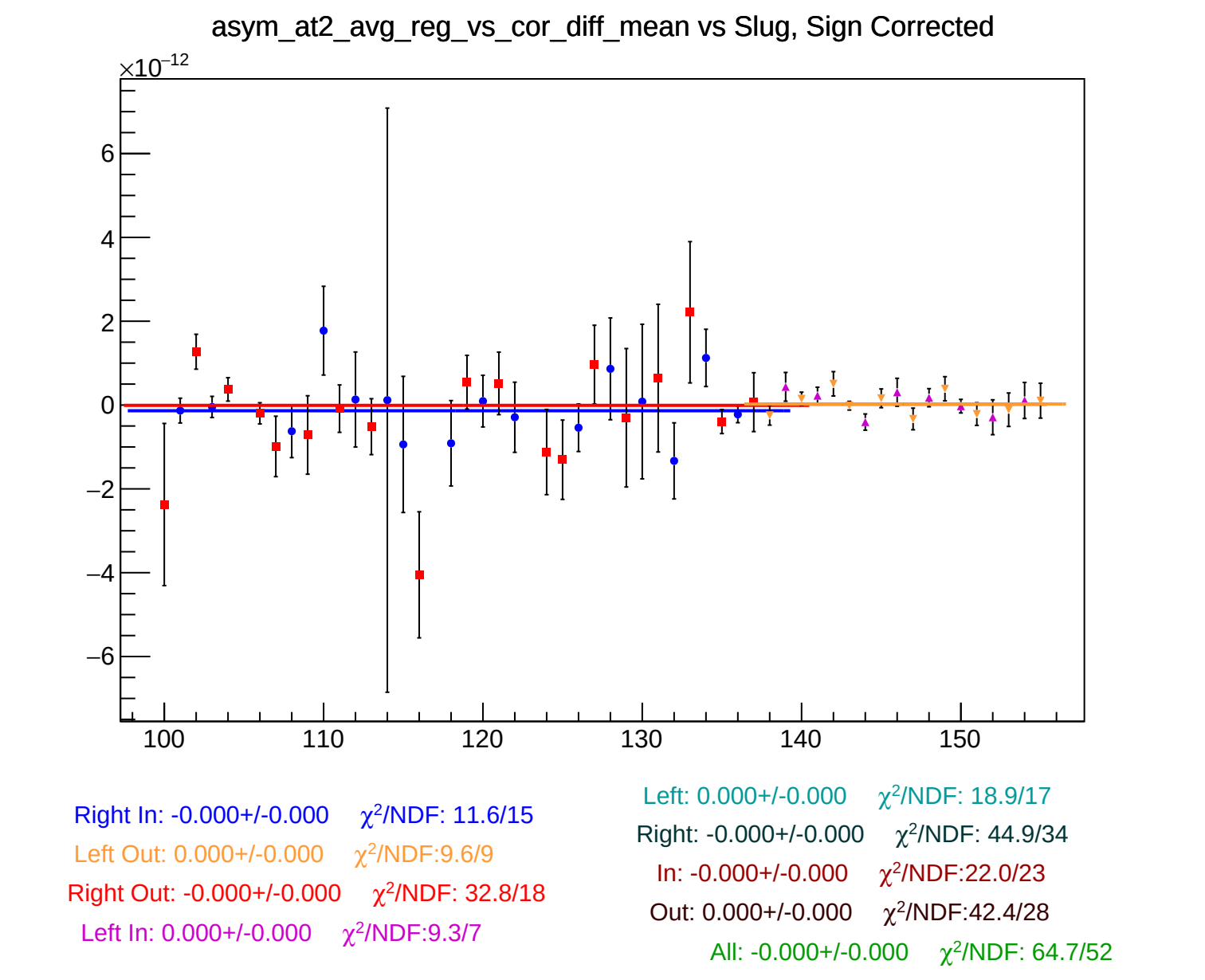
Left: 7968.177+/-1.499 χ^2/NDF: 1289449.7/17

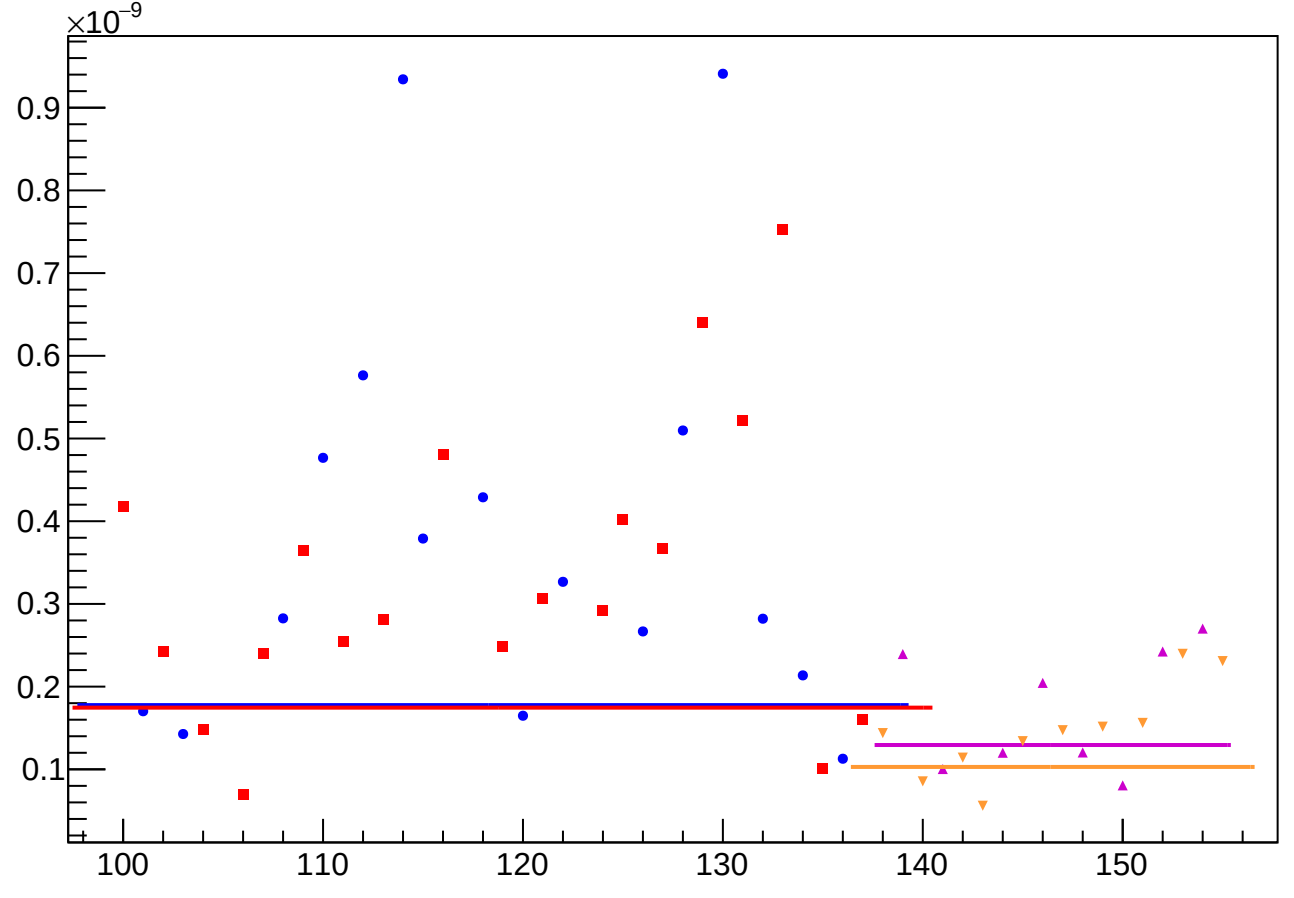
Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 7910.075+/-1.511 χ^2/NDF:916414.5/23

Out: 7340.618+/-1.371 χ^2/NDF:1464490.1/28

All: 7597.749+/-1.015 χ^2/NDF: 2458821.6/52


asym_at2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.6/9
Right Out: -0.000+/-0.000 χ²/NDF: 32.8/18
Left In: 0.000+/-0.000 χ²/NDF:9.3/7
Left: 0.000+/-0.000 χ²/NDF: 18.9/17
Right: -0.000+/-0.000 χ²/NDF: 44.9/34
In: -0.000+/-0.000 χ²/NDF:22.0/23
Out: 0.000+/-0.000 χ²/NDF:42.4/28
All: -0.000+/-0.000 χ²/NDF: 64.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1156967.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:900810.2/7

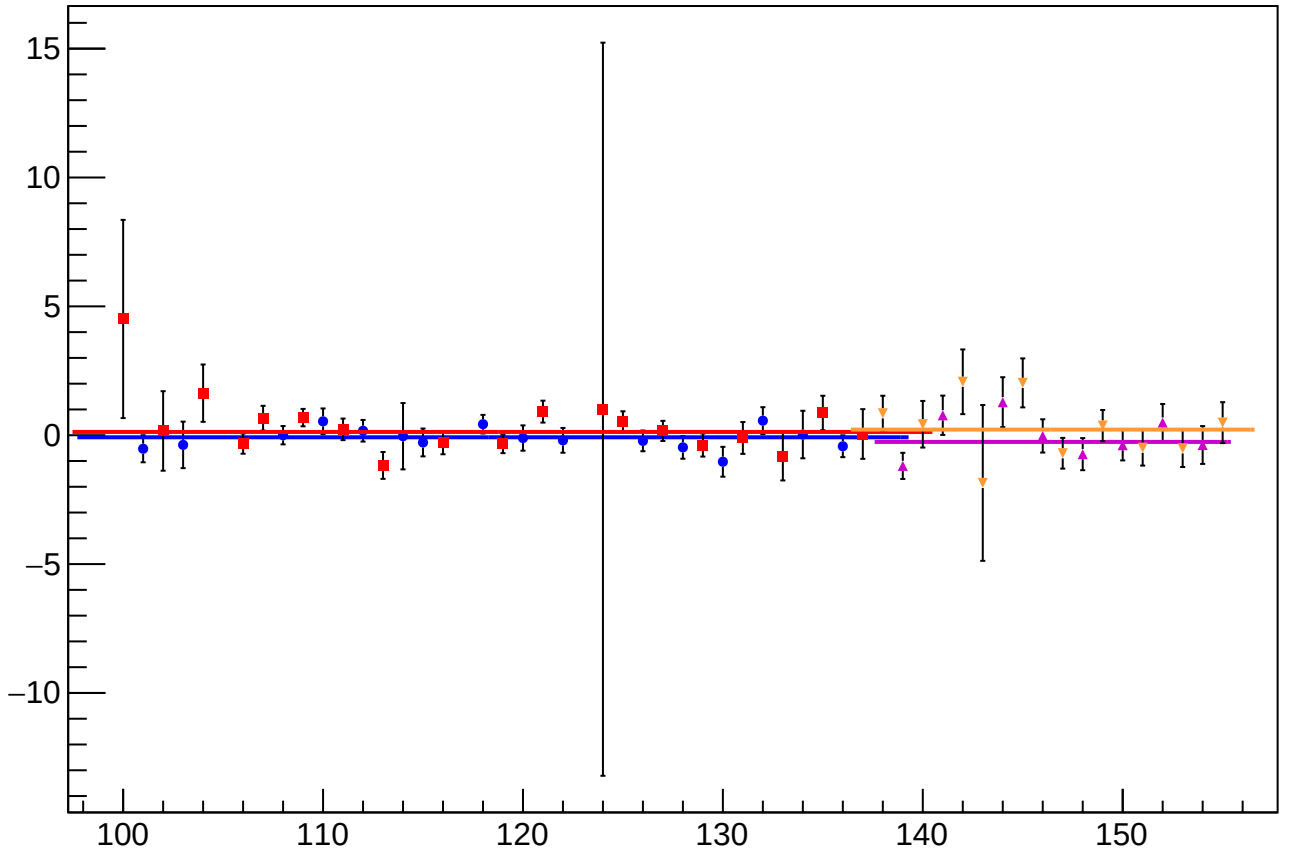
Left: 0.000+/-0.000 χ^2/NDF: 2181276.7/17

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:2647259.5/23

Out: 0.000+/-0.000 χ^2/NDF:3329006.6/28

All: 0.000+/-0.000 χ^2/NDF: 6154782.2/52



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.218+/-0.247 χ^2/NDF:11.8/9

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.260+/-0.234 χ^2/NDF:9.6/7

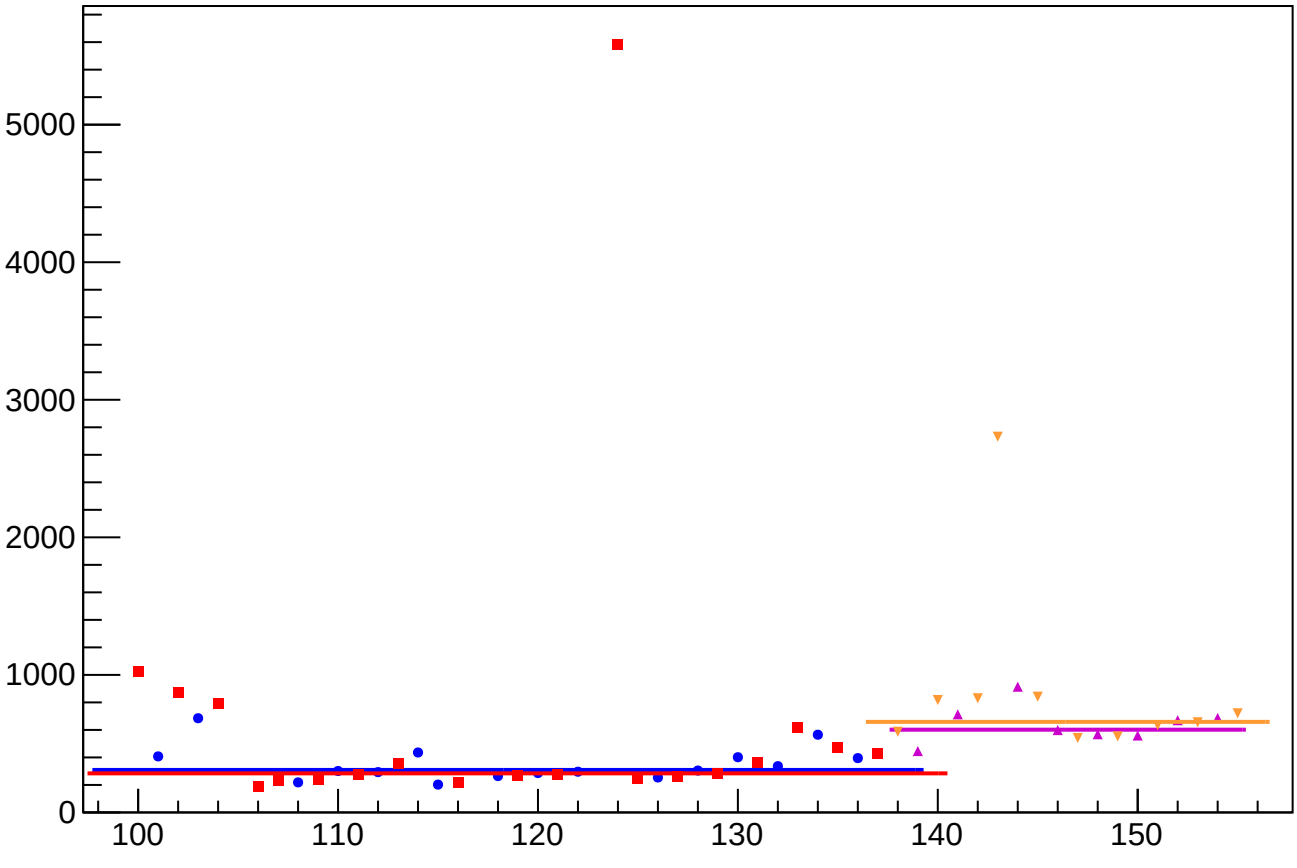
Left: -0.034+/-0.170 χ^2/NDF: 23.4/17

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.118+/-0.108 χ^2/NDF:20.8/23

Out: 0.144+/-0.106 χ^2/NDF:37.2/28

All: 0.016+/-0.076 χ^2/NDF: 61.0/52



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 658.552+/-0.175 χ^2/NDF:1289105.9/9

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 601.680+/-0.165 χ^2/NDF:500097.2/7

Left: 628.519+/-0.120 χ^2/NDF: 1845031.0/17

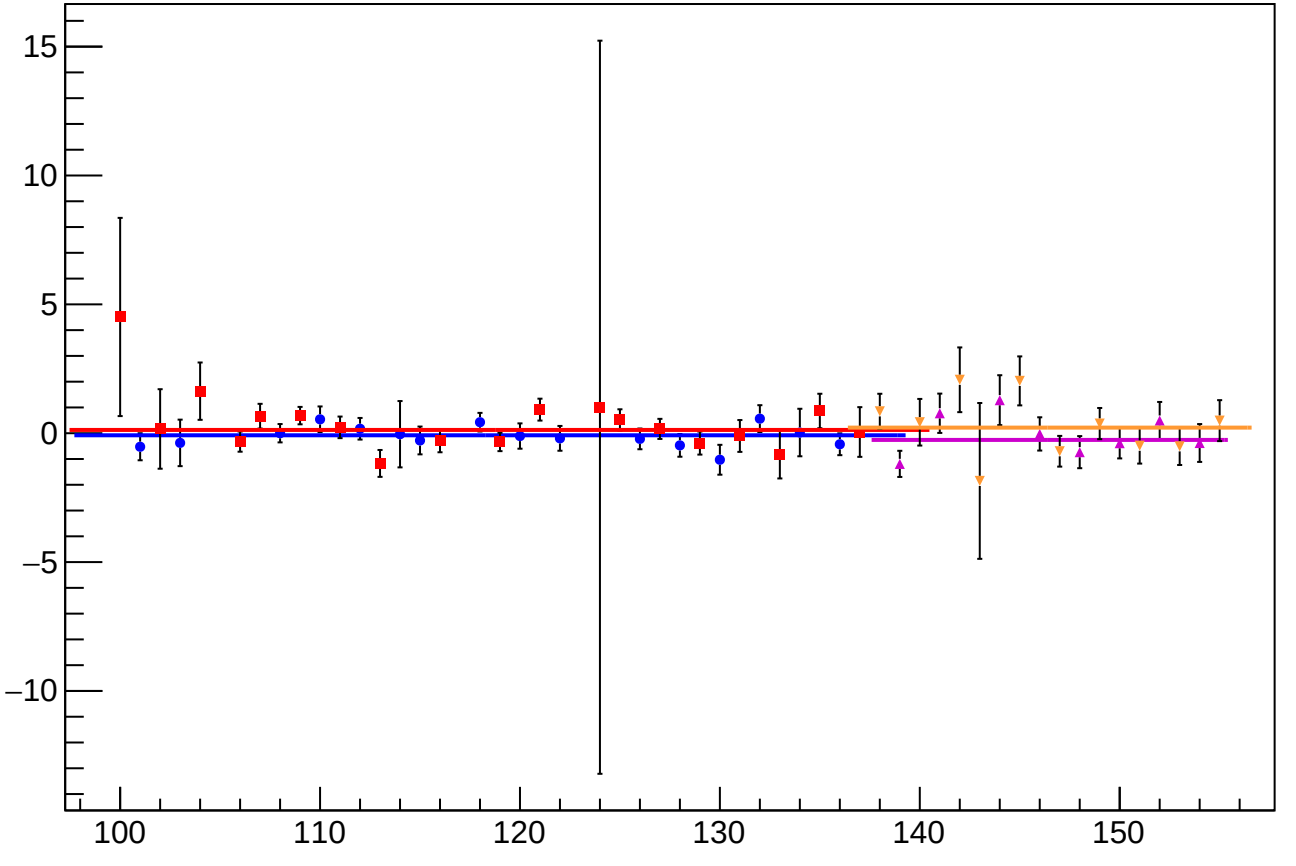
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 371.587+/-0.076 χ^2/NDF:3977076.3/23

Out: 352.543+/-0.075 χ^2/NDF:6889971.3/28

All: 361.854+/-0.053 χ^2/NDF: 10898786.9/52

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: 0.218+/-0.247 χ^2/NDF:11.8/9

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.260+/-0.234 χ^2/NDF:9.6/7

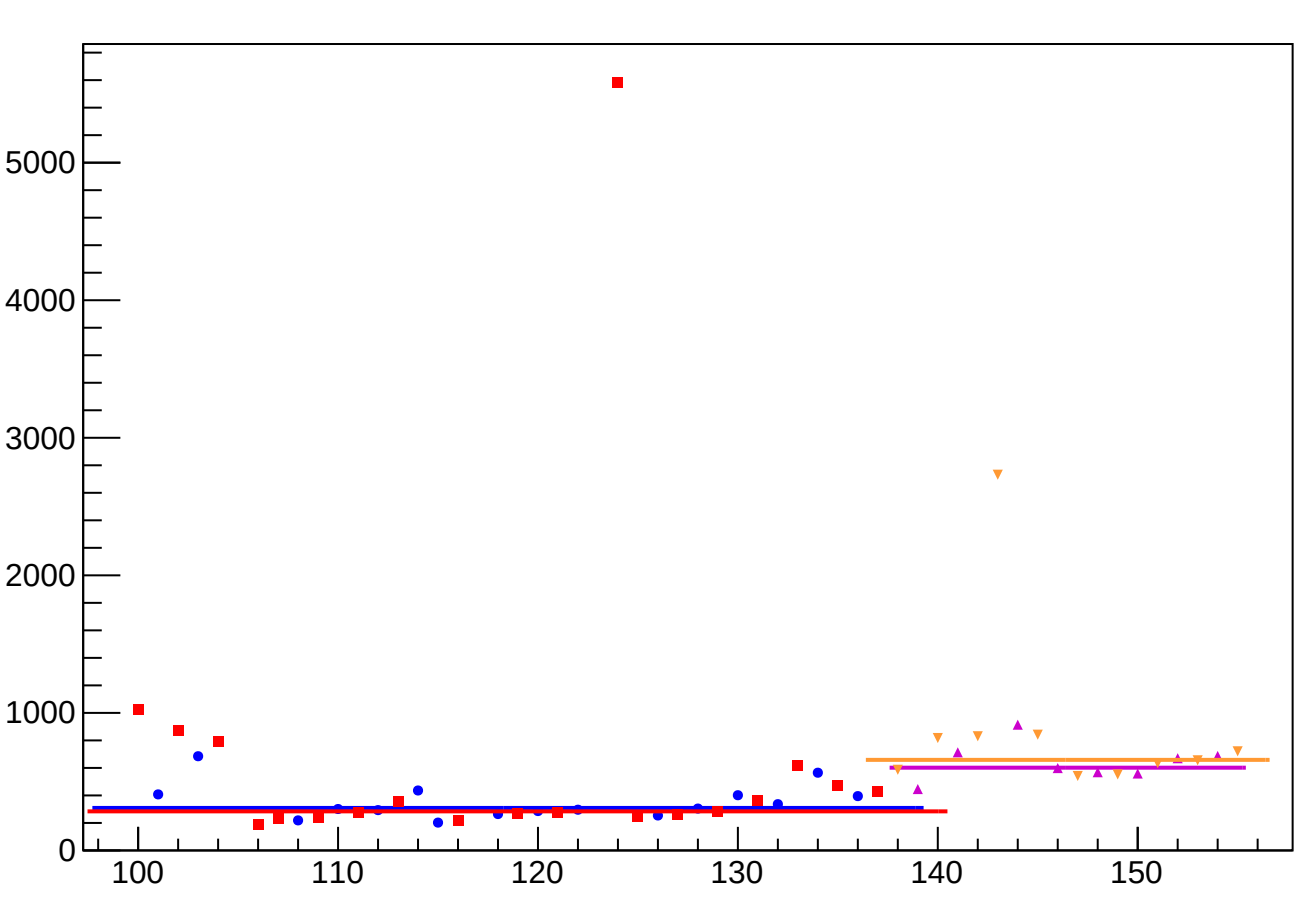
Left: -0.034+/-0.170 χ^2/NDF: 23.4/17

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.118+/-0.108 χ^2/NDF:20.8/23

Out: 0.144+/-0.106 χ^2/NDF:37.2/28

All: 0.016+/-0.076 χ^2/NDF: 61.0/52



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 658.552+/-0.175 χ^2/NDF:1289105.9/9

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 601.680+/-0.165 χ^2/NDF:500097.2/7

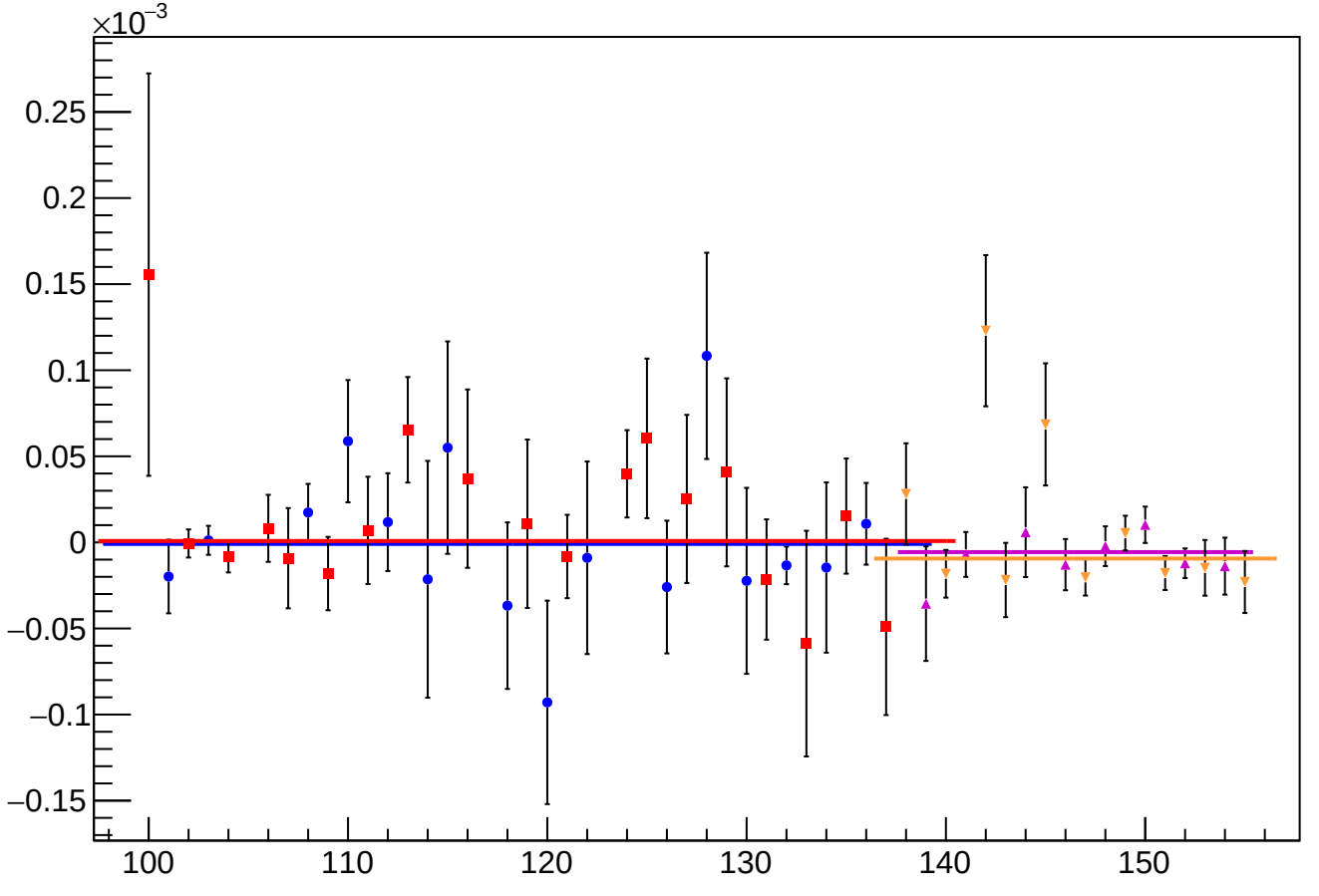
Left: 628.519+/-0.120 χ^2/NDF: 1845031.0/17

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 371.587+/-0.076 χ^2/NDF:3977076.3/23

Out: 352.543+/-0.075 χ^2/NDF:6889971.3/28

All: 361.854+/-0.053 χ^2/NDF: 10898786.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/7

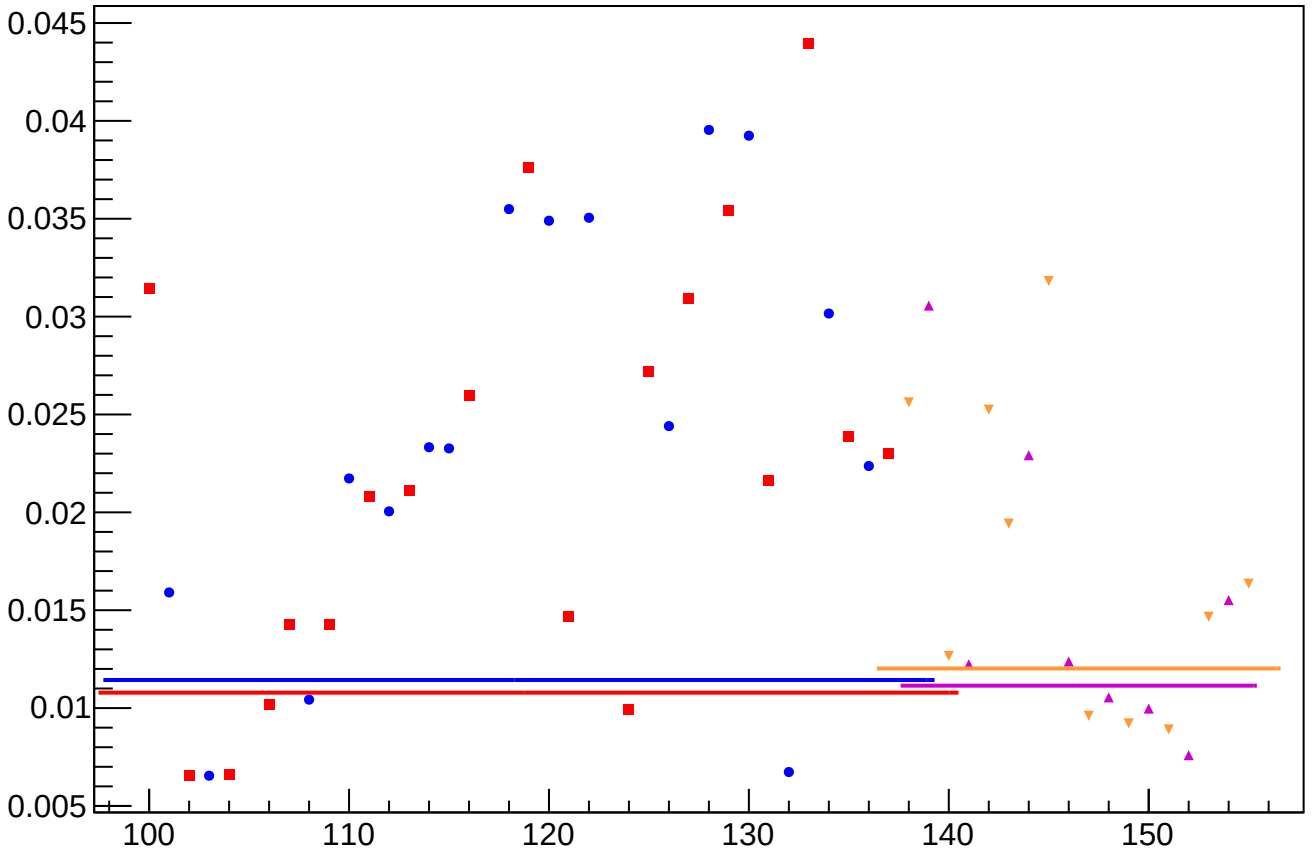
Left: -0.000+/-0.000 χ^2/NDF: 25.6/17

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:19.4/23

Out: -0.000+/-0.000 χ^2/NDF:39.3/28

All: -0.000+/-0.000 χ^2/NDF: 58.7/52



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:2098222.6/9

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.011+/-0.000 χ^2/NDF:1627993.4/7

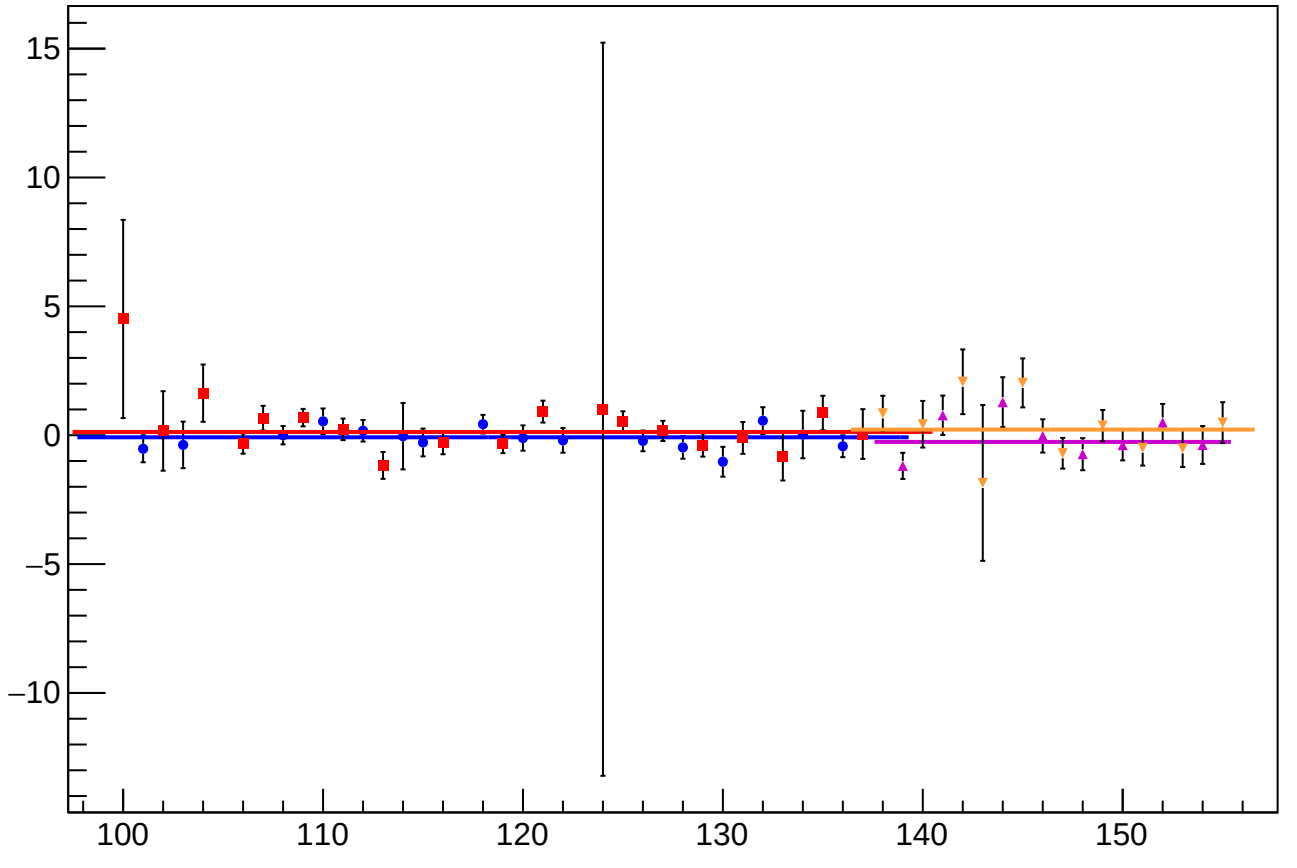
Left: 0.012+/-0.000 χ^2/NDF: 3761762.7/17

Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.011+/-0.000 χ^2/NDF:6331280.2/23

Out: 0.011+/-0.000 χ^2/NDF:6639214.6/28

All: 0.011+/-0.000 χ^2/NDF: 12972609.1/52



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.218+/-0.247 χ^2/NDF:11.8/9

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.260+/-0.234 χ^2/NDF:9.6/7

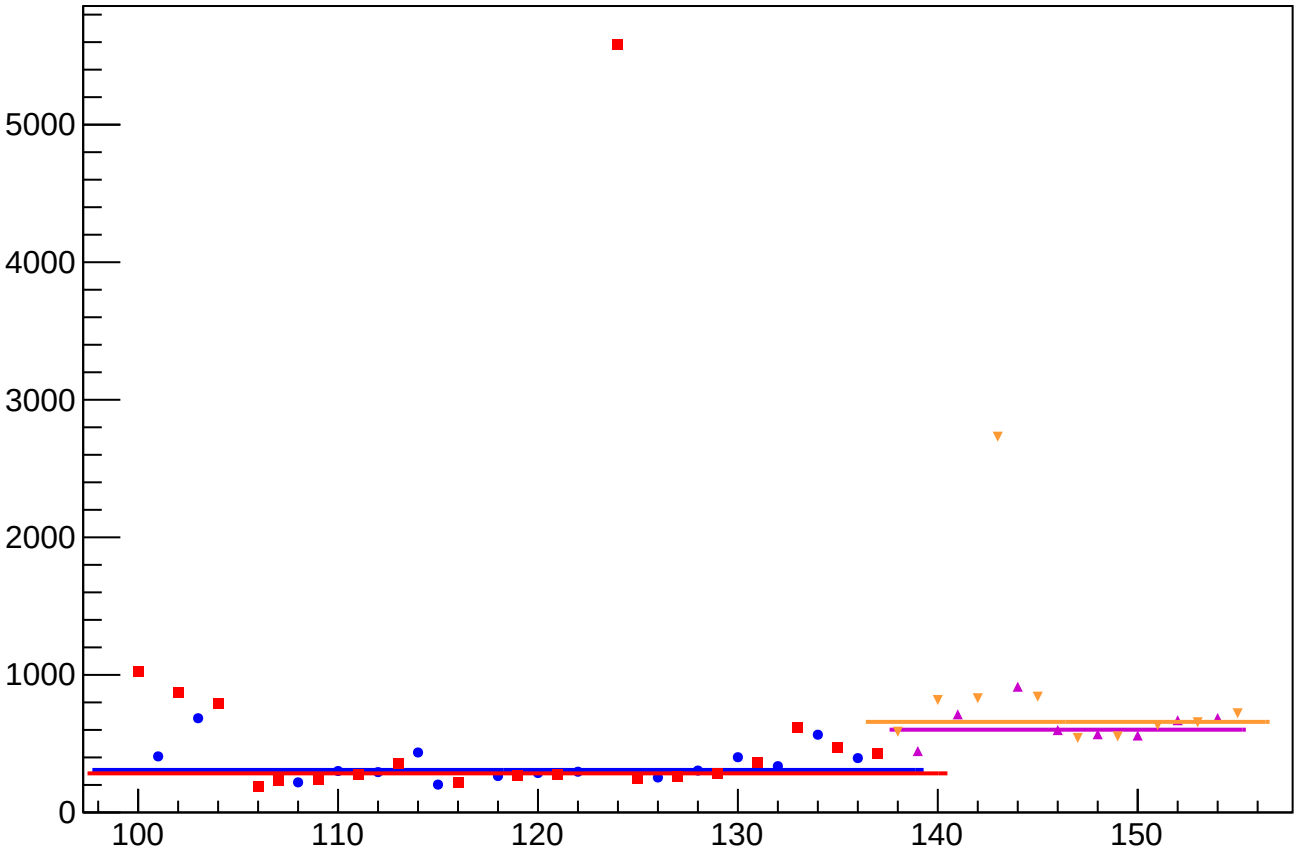
Left: -0.034+/-0.170 χ^2/NDF: 23.4/17

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.118+/-0.108 χ^2/NDF:20.8/23

Out: 0.144+/-0.106 χ^2/NDF:37.2/28

All: 0.016+/-0.076 χ^2/NDF: 61.0/52



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 658.559+/-0.175 χ^2/NDF:1289106.5/9

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 601.689+/-0.165 χ^2/NDF:500079.1/7

Left: 628.527+/-0.120 χ^2/NDF: 1845009.6/17

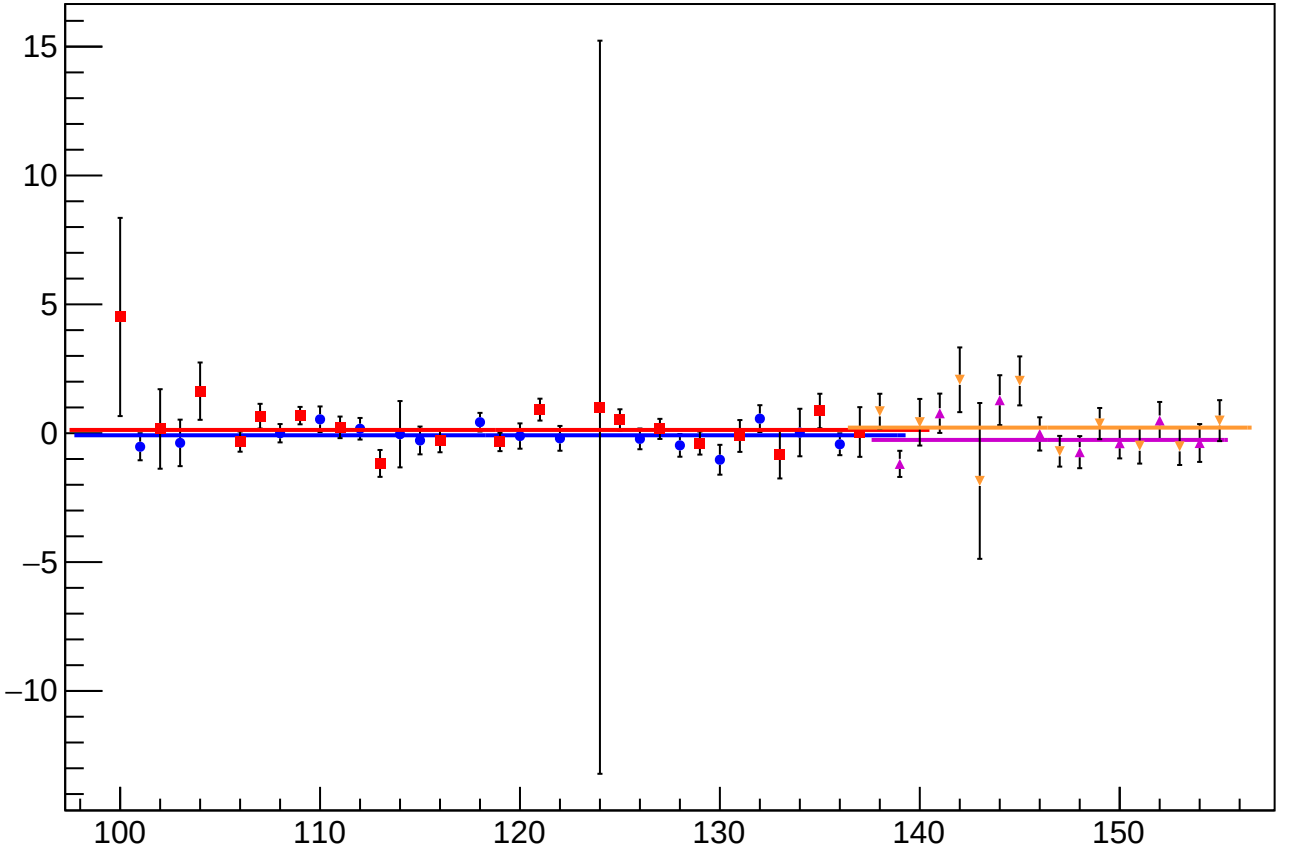
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 371.586+/-0.076 χ^2/NDF:3977131.4/23

Out: 352.543+/-0.075 χ^2/NDF:6890048.2/28

All: 361.853+/-0.053 χ^2/NDF: 10898919.9/52

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.218+/-0.247 χ^2/NDF:11.8/9

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.260+/-0.234 χ^2/NDF:9.6/7

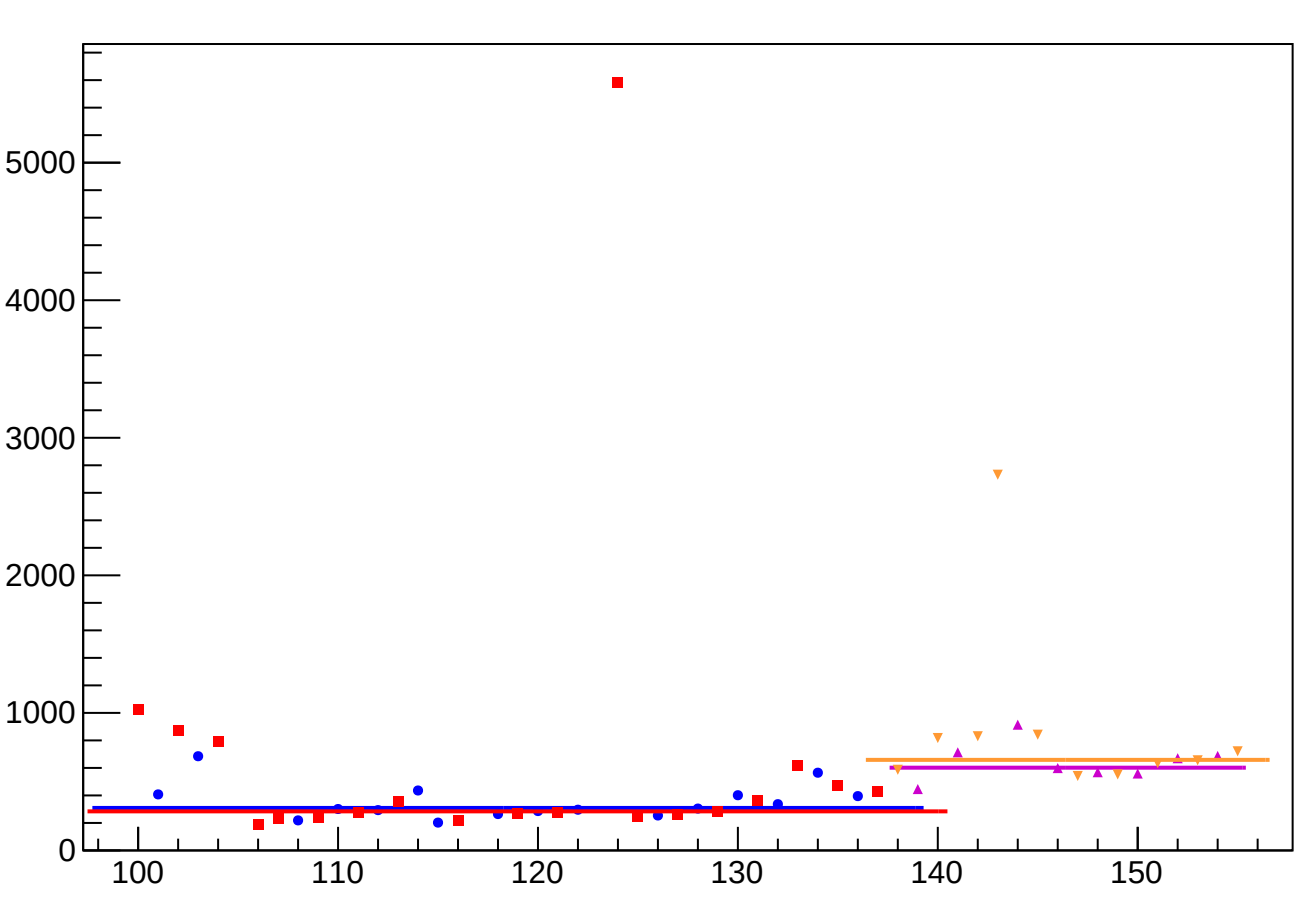
Left: -0.034+/-0.170 χ^2/NDF: 23.4/17

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.118+/-0.108 χ^2/NDF:20.8/23

Out: 0.144+/-0.106 χ^2/NDF:37.2/28

All: 0.016+/-0.076 χ^2/NDF: 61.0/52



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 658.559+/-0.175 χ^2/NDF:1289106.5/9

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 601.689+/-0.165 χ^2/NDF:500079.1/7

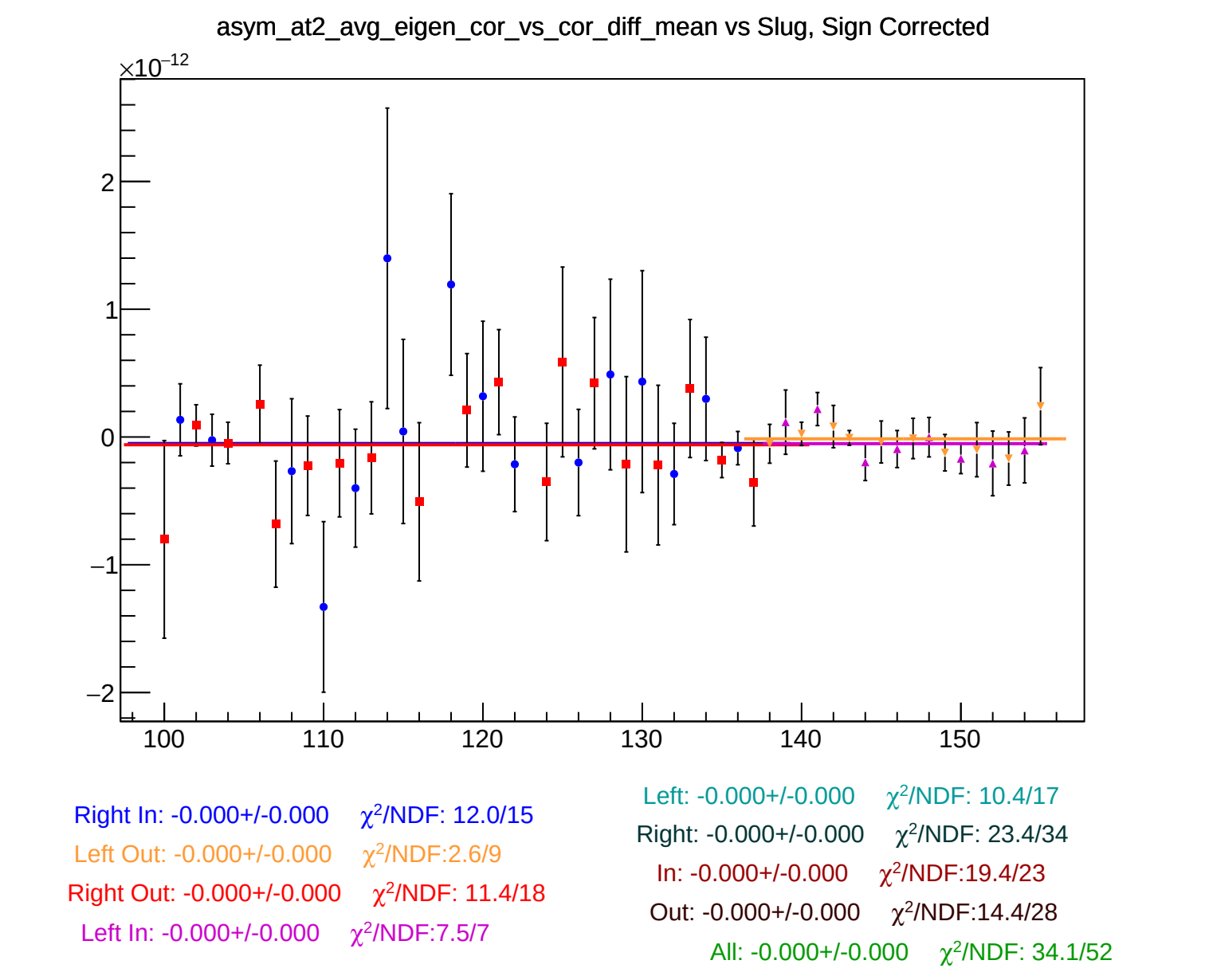
Left: 628.527+/-0.120 χ^2/NDF: 1845009.6/17

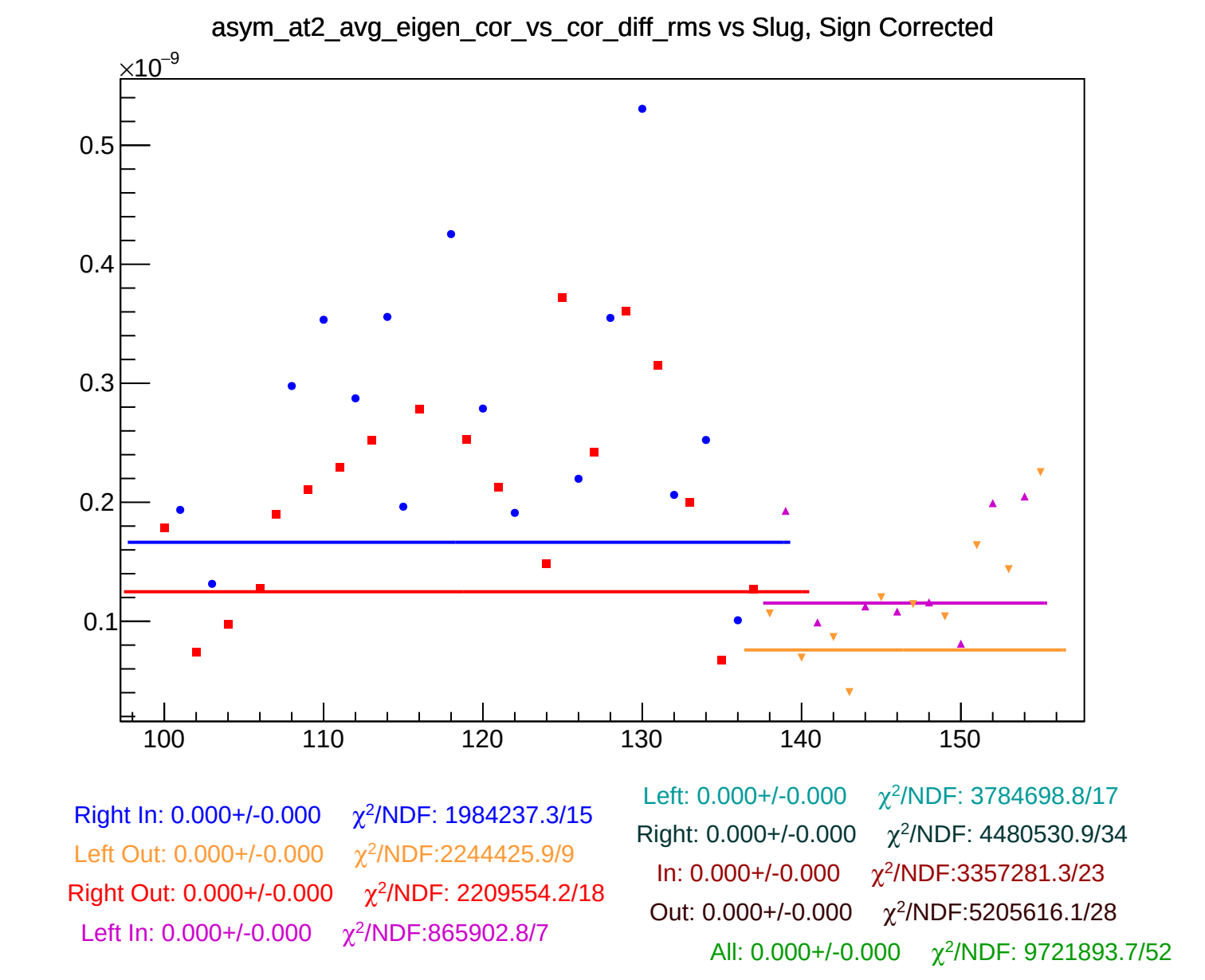
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 371.586+/-0.076 χ^2/NDF:3977131.4/23

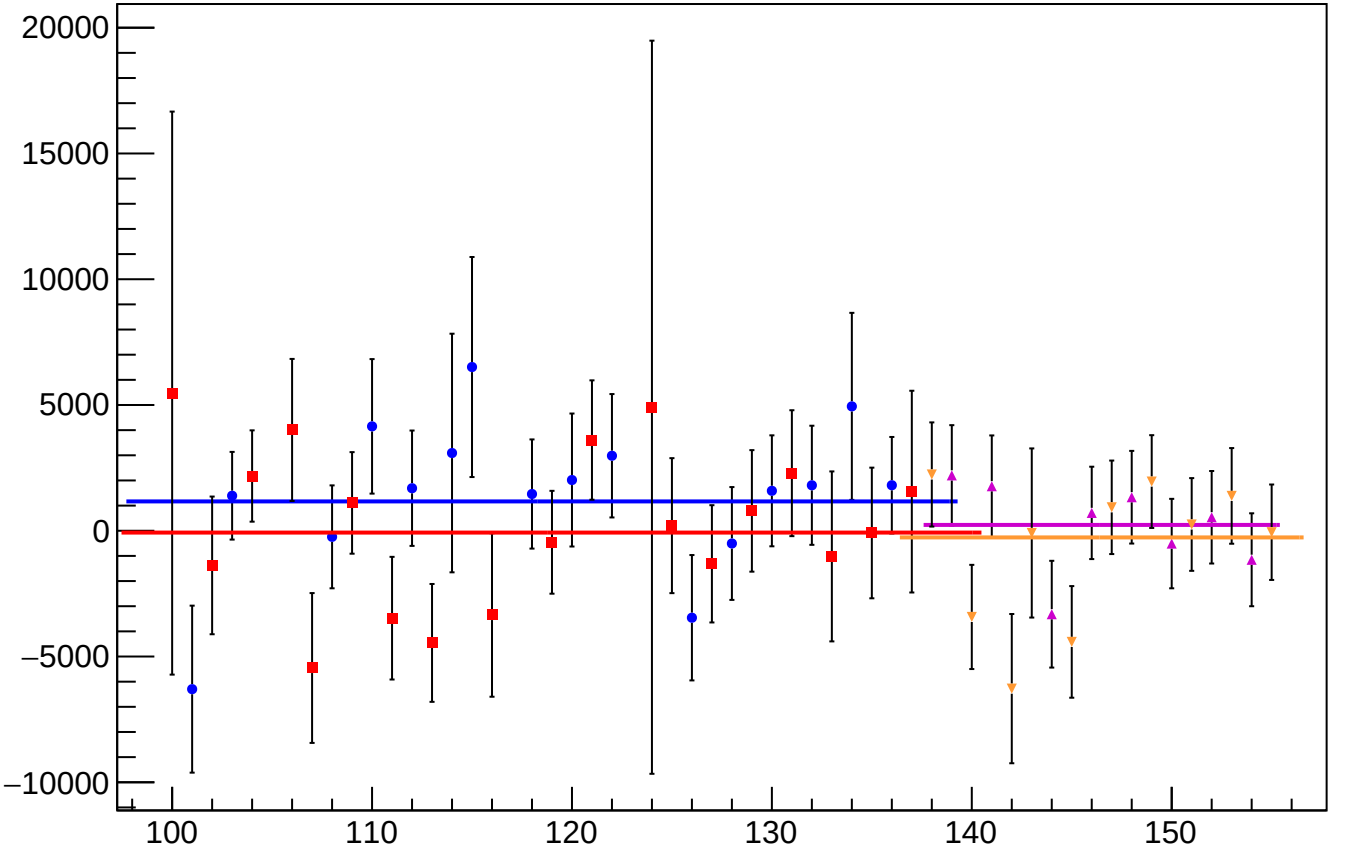
Out: 352.543+/-0.075 χ^2/NDF:6890048.2/28

All: 361.853+/-0.053 χ^2/NDF: 10898919.9/52


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:2.6/9
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: -0.000+/-0.000 χ²/NDF:7.5/7
Left: -0.000+/-0.000 χ²/NDF: 10.4/17
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:19.4/23
Out: -0.000+/-0.000 χ²/NDF:14.4/28
All: -0.000+/-0.000 χ²/NDF: 34.1/52


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1984237.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2244425.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 2209554.2/18
Left In: 0.000+/-0.000 χ²/NDF:865902.8/7
Left: 0.000+/-0.000 χ²/NDF: 3784698.8/17
Right: 0.000+/-0.000 χ²/NDF: 4480530.9/34
In: 0.000+/-0.000 χ²/NDF:3357281.3/23
Out: 0.000+/-0.000 χ²/NDF:5205616.1/28
All: 0.000+/-0.000 χ²/NDF: 9721893.7/52

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -264.969+/-658.882 χ^2/NDF:14.1/9

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 232.064+/-671.993 χ^2/NDF:5.5/7

Left: -21.348+/-470.467 χ^2/NDF: 19.9/17

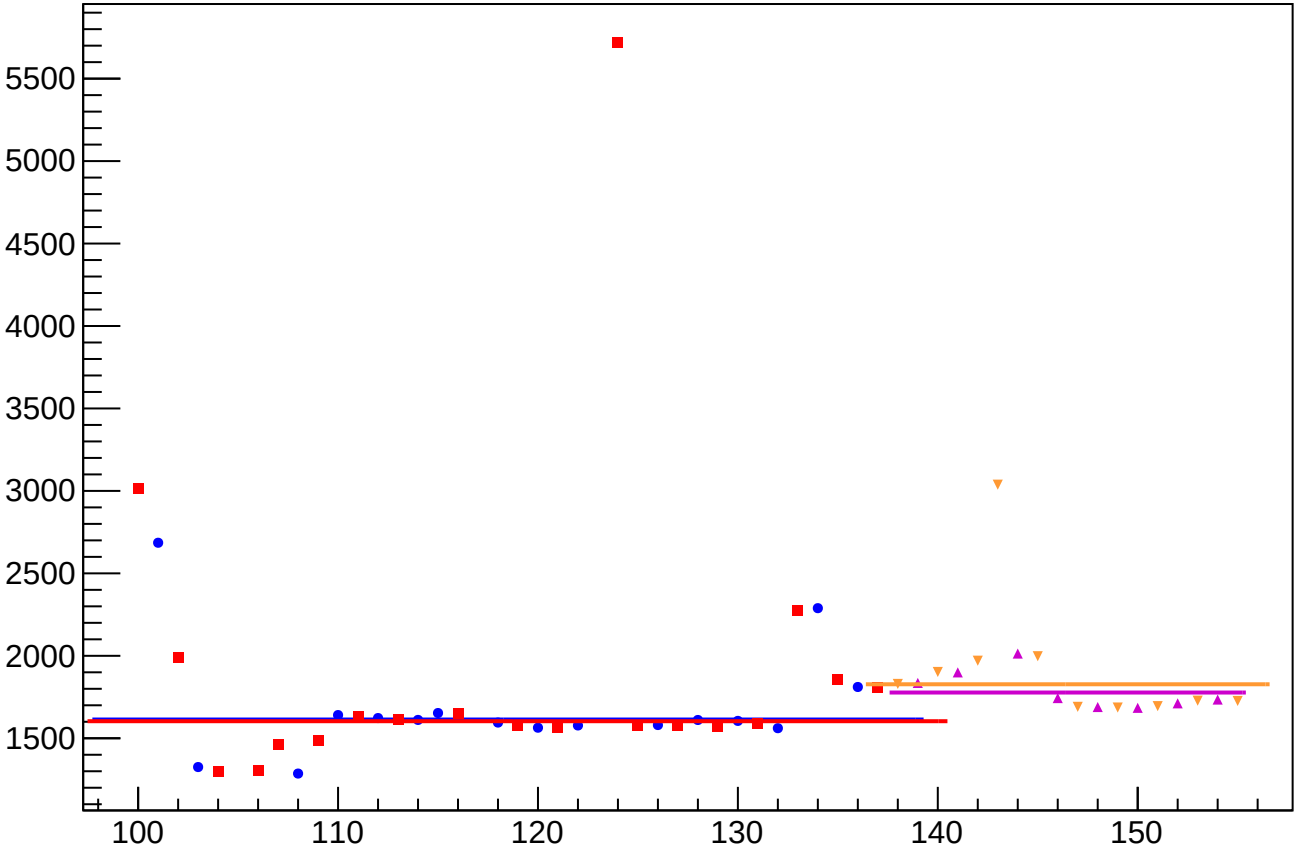
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 745.190+/-451.329 χ^2/NDF:21.0/23

Out: -160.111+/-444.977 χ^2/NDF:32.4/28

All: 286.125+/-316.868 χ^2/NDF: 55.5/52

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1827.422+/-0.466 χ^2/NDF:322173.1/9

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1777.371+/-0.475 χ^2/NDF:48094.0/7

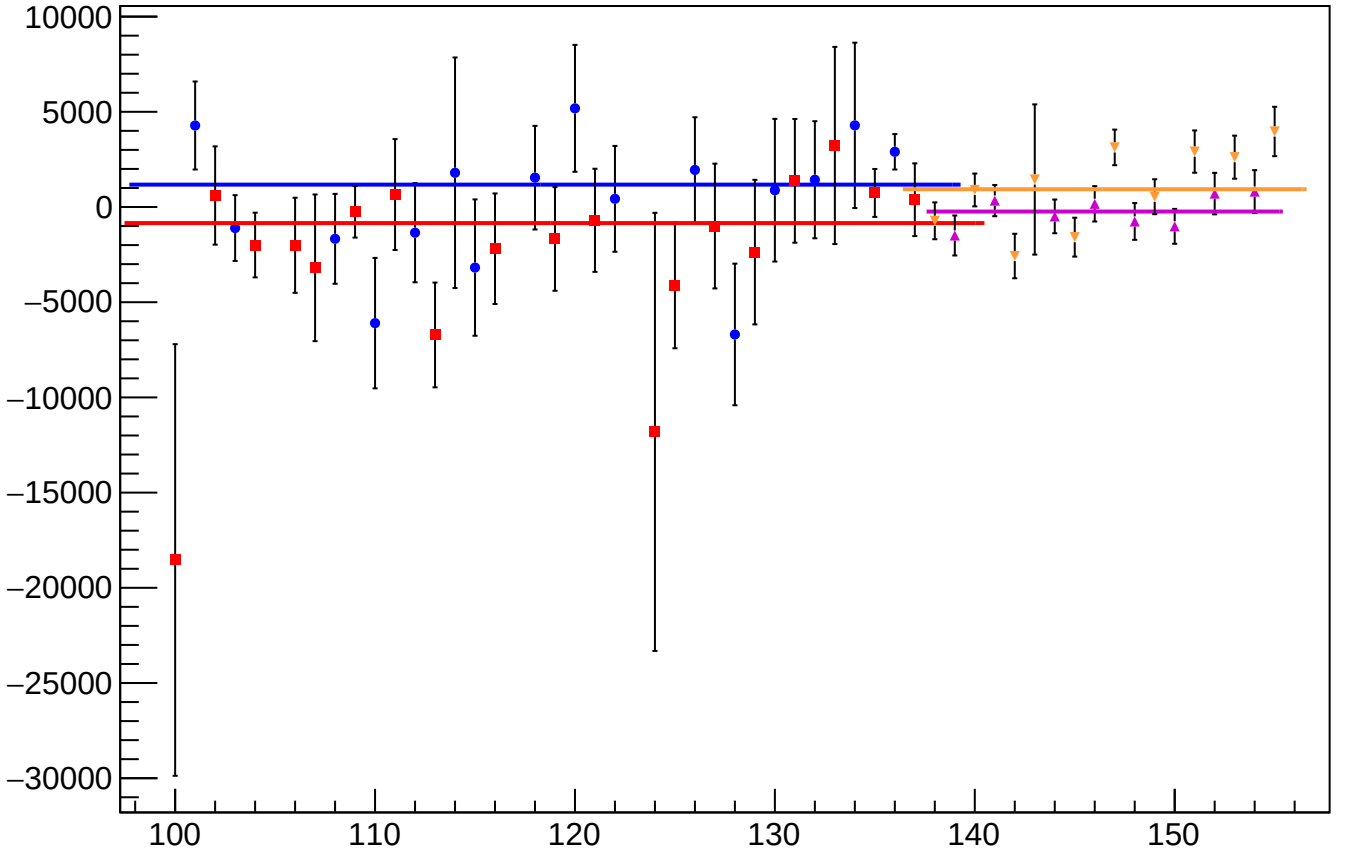
Left: 1802.889+/-0.333 χ^2/NDF: 375924.0/17

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1687.515+/-0.319 χ^2/NDF:517928.7/23

Out: 1705.611+/-0.315 χ^2/NDF:873646.8/28

All: 1696.691+/-0.224 χ^2/NDF: 1393205.9/52



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 933.416+/-339.211 χ^2/NDF:34.6/9

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -238.500+/-338.579 χ^2/NDF:4.8/7

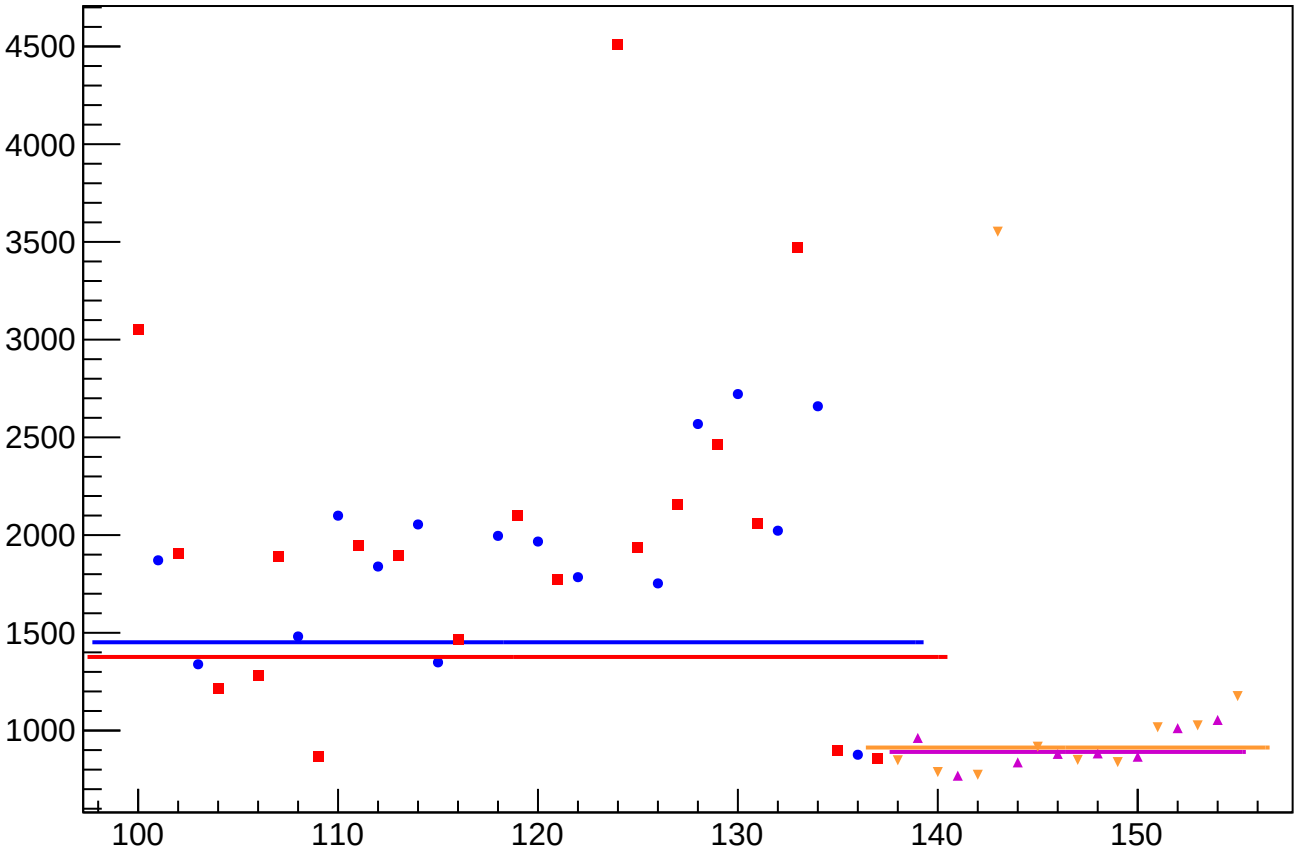
Left: 346.366+/-239.635 χ^2/NDF: 45.4/17

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 121.747+/-292.283 χ^2/NDF:31.3/23

Out: 453.145+/-289.777 χ^2/NDF:56.3/28

All: 288.873+/-205.784 χ^2/NDF: 88.2/52



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 913.063+/-0.240 χ^2/NDF:1117311.9/9

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 890.535+/-0.239 χ^2/NDF:129489.9/7

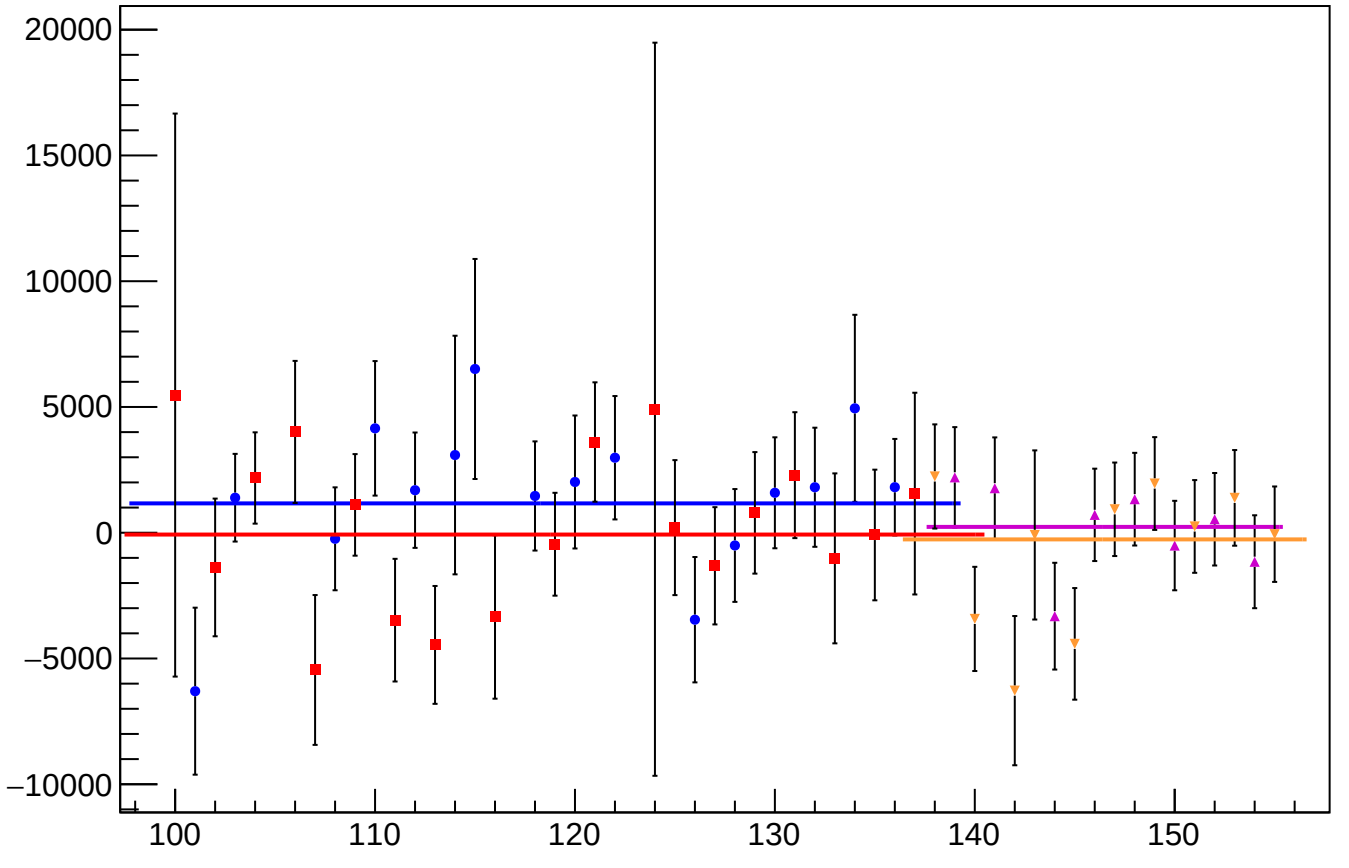
Left: 901.778+/-0.169 χ^2/NDF: 1251221.0/17

Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

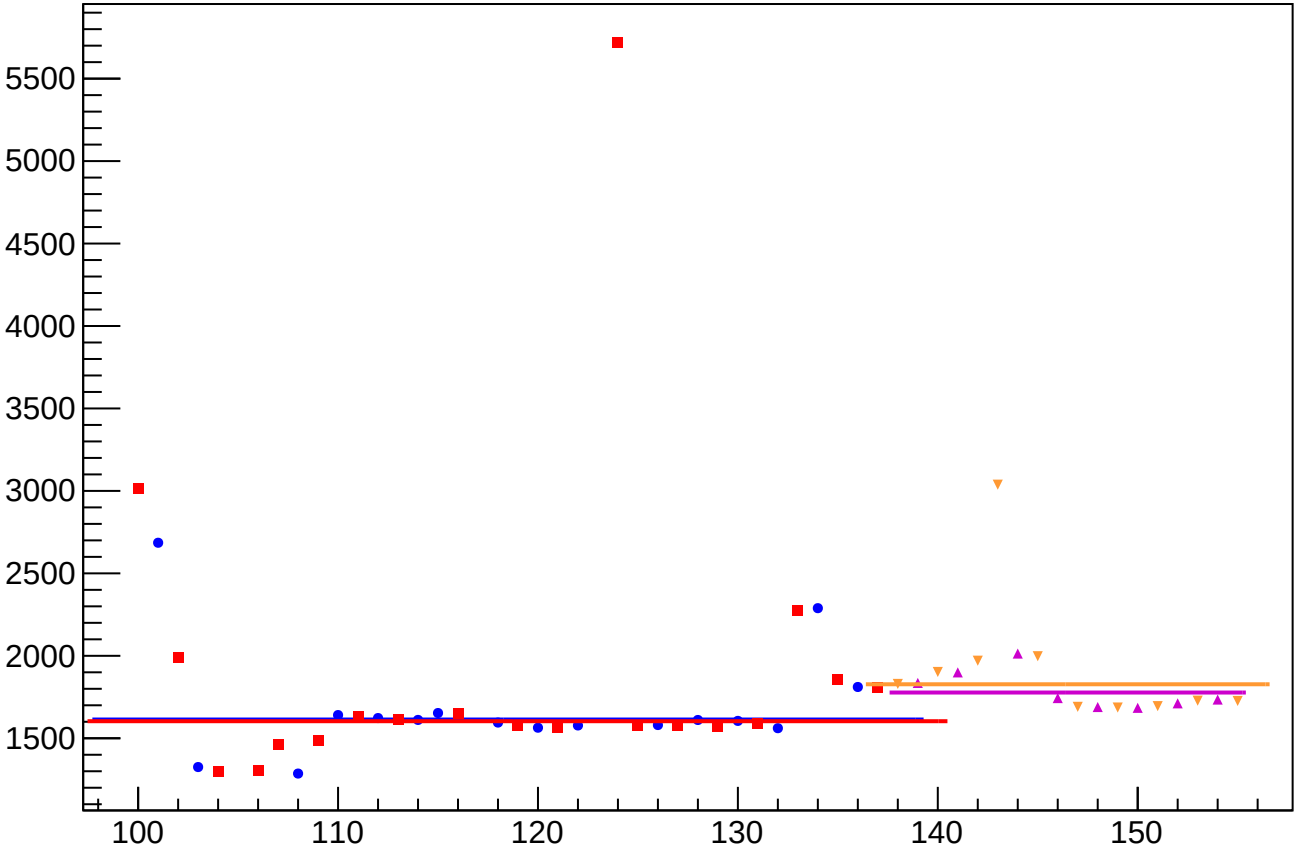
In: 1033.488+/-0.207 χ^2/NDF:3319728.6/23

Out: 1038.290+/-0.205 χ^2/NDF:4258027.2/28

All: 1035.910+/-0.146 χ^2/NDF: 7578028.0/52


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: -265.064+/-658.882 χ²/NDF:14.1/9
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 232.006+/-671.993 χ²/NDF:5.5/7
Left: -21.425+/-470.467 χ²/NDF: 19.9/17
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 745.113+/-451.329 χ²/NDF:21.0/23
Out: -160.328+/-444.977 χ²/NDF:32.4/28
All: 285.977+/-316.868 χ²/NDF: 55.5/52

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1827.422+/-0.466 χ^2/NDF:322173.1/9

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1777.371+/-0.475 χ^2/NDF:48094.0/7

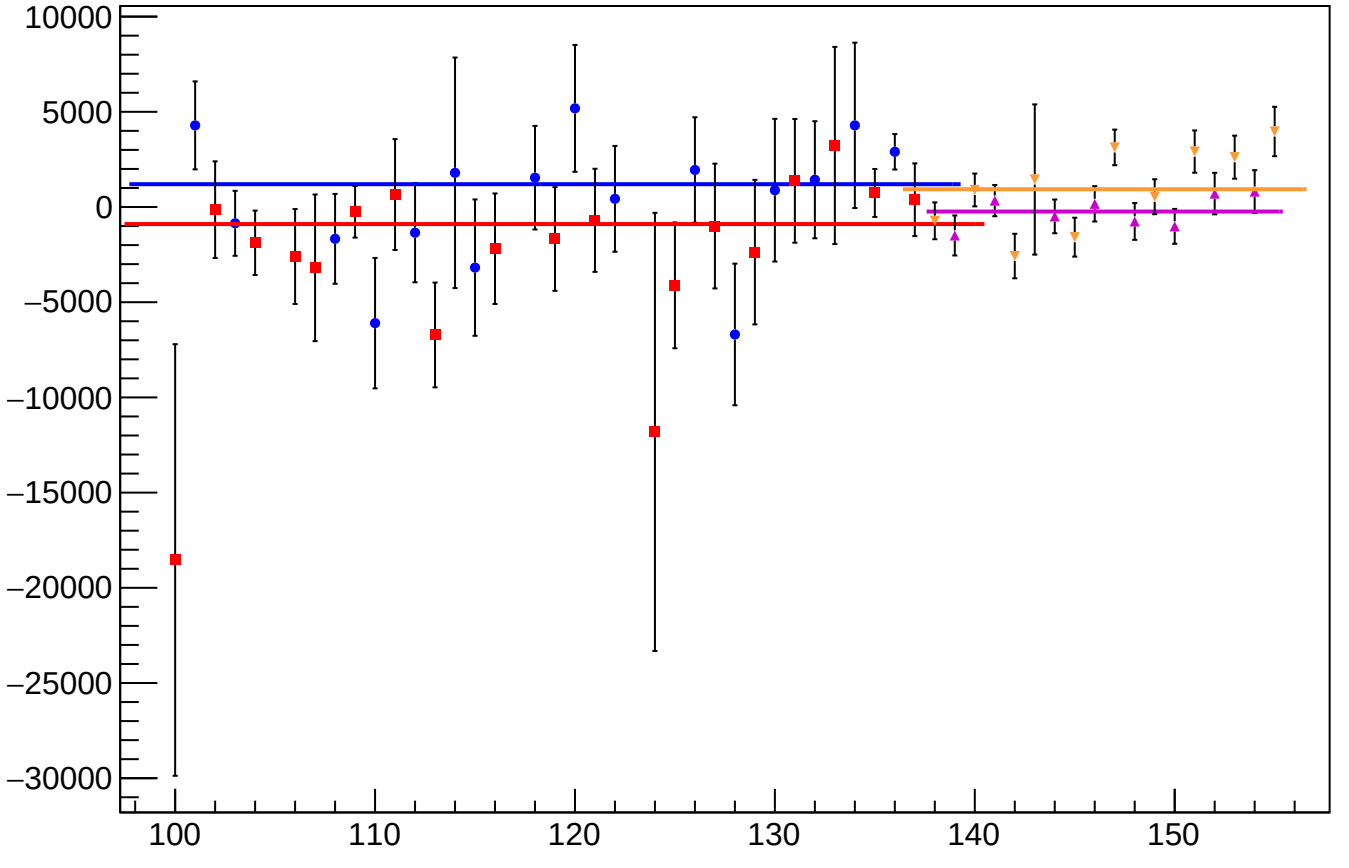
Left: 1802.889+/-0.333 χ^2/NDF: 375924.0/17

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1687.514+/-0.319 χ^2/NDF:517929.0/23

Out: 1705.611+/-0.315 χ^2/NDF:873647.0/28

All: 1696.691+/-0.224 χ^2/NDF: 1393206.4/52



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 933.451+/-339.216 χ^2/NDF:34.6/9

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -238.527+/-338.578 χ^2/NDF:4.8/7

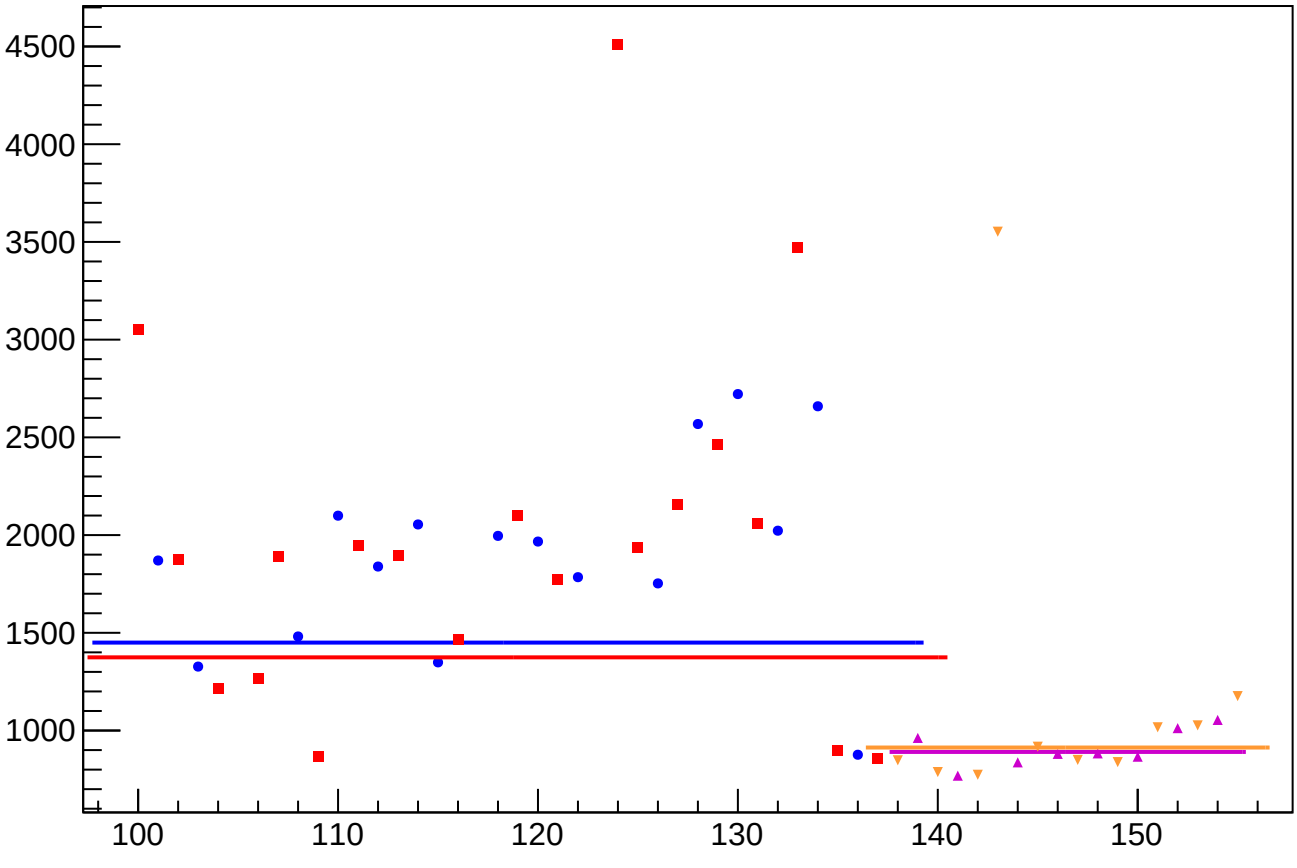
Left: 346.358+/-239.636 χ^2/NDF: 45.4/17

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 128.324+/-292.176 χ^2/NDF:31.1/23

Out: 438.214+/-289.671 χ^2/NDF:56.7/28

All: 284.603+/-205.708 χ^2/NDF: 88.4/52



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 913.079+/-0.240 χ^2/NDF:1117235.4/9

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 890.530+/-0.239 χ^2/NDF:129514.0/7

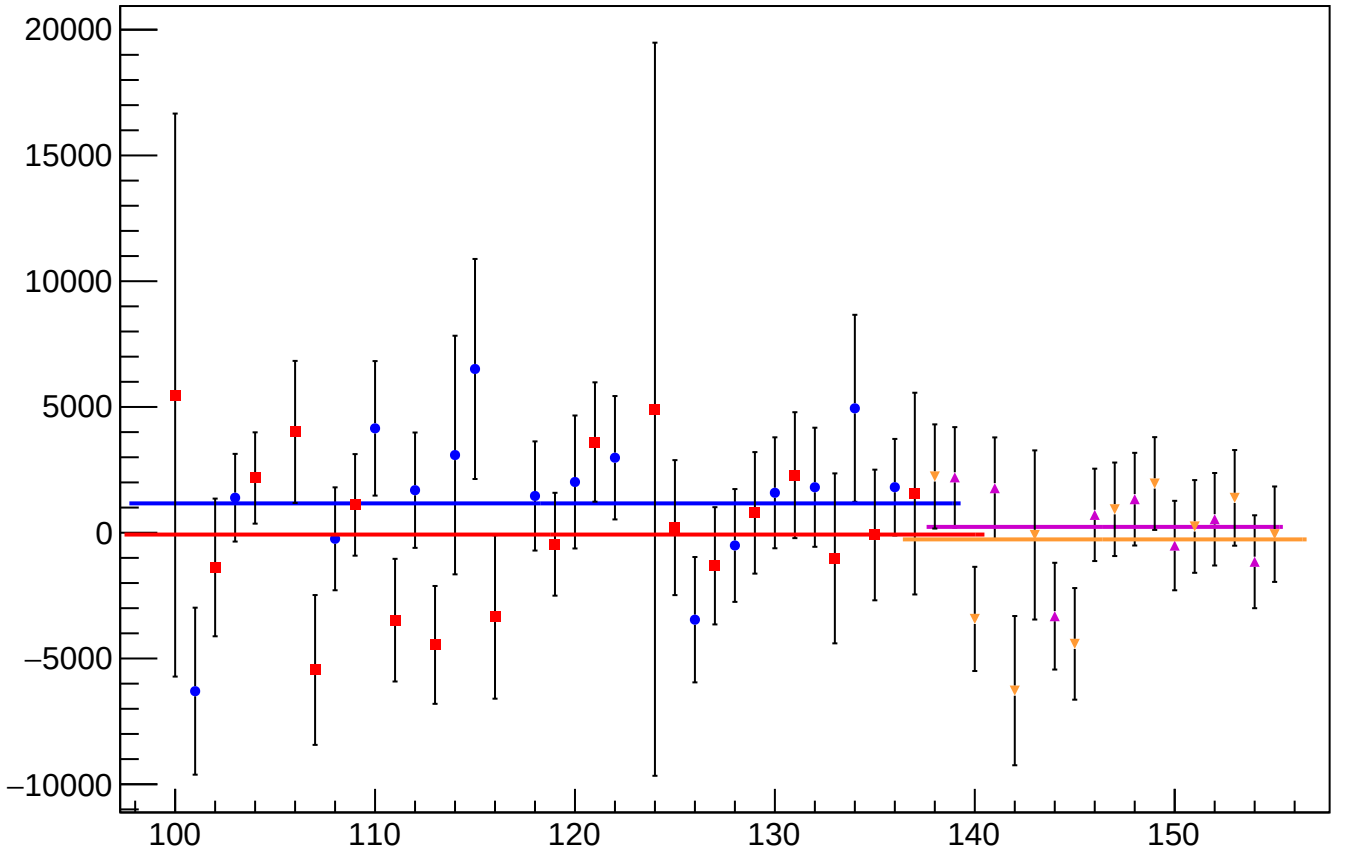
Left: 901.783+/-0.169 χ^2/NDF: 1251176.7/17

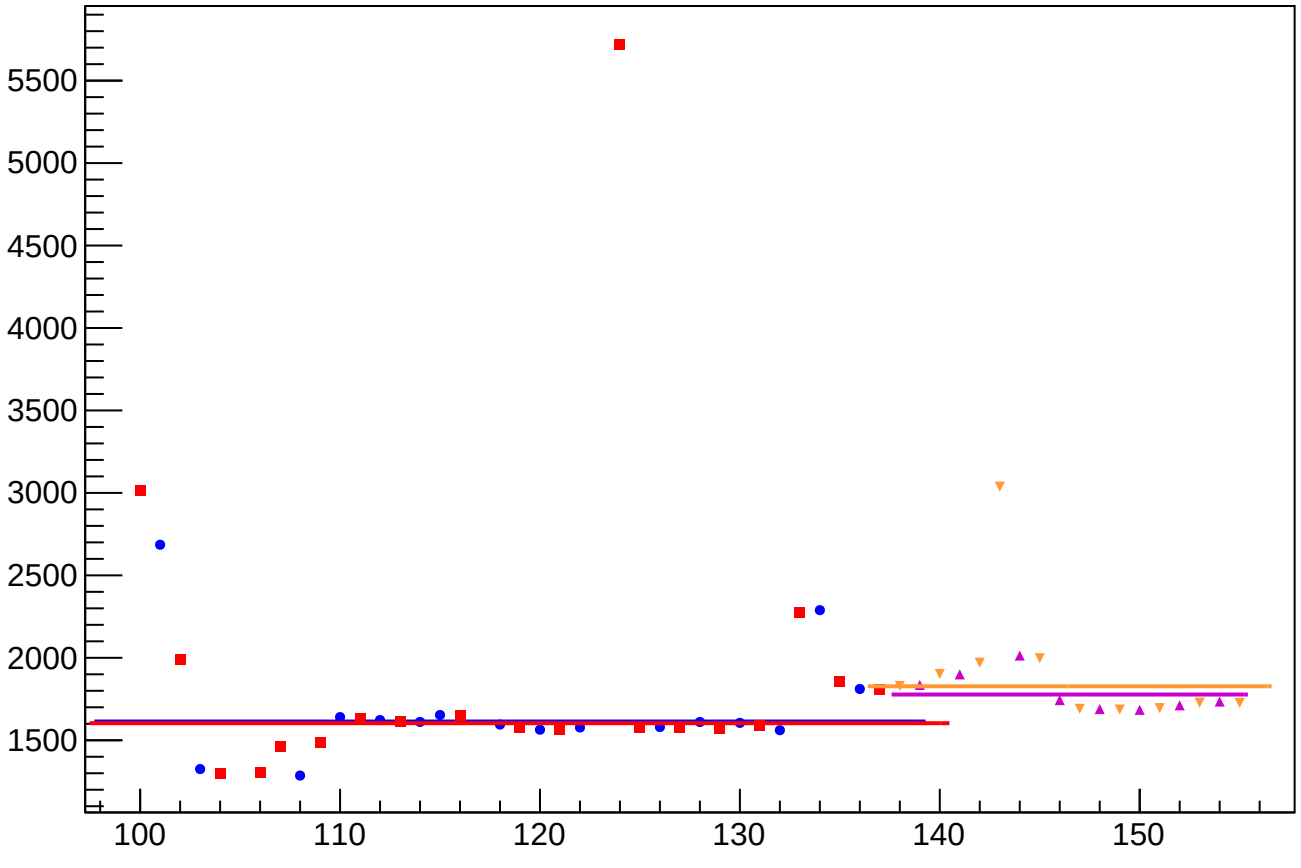
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1033.354+/-0.207 χ^2/NDF:3316131.0/23

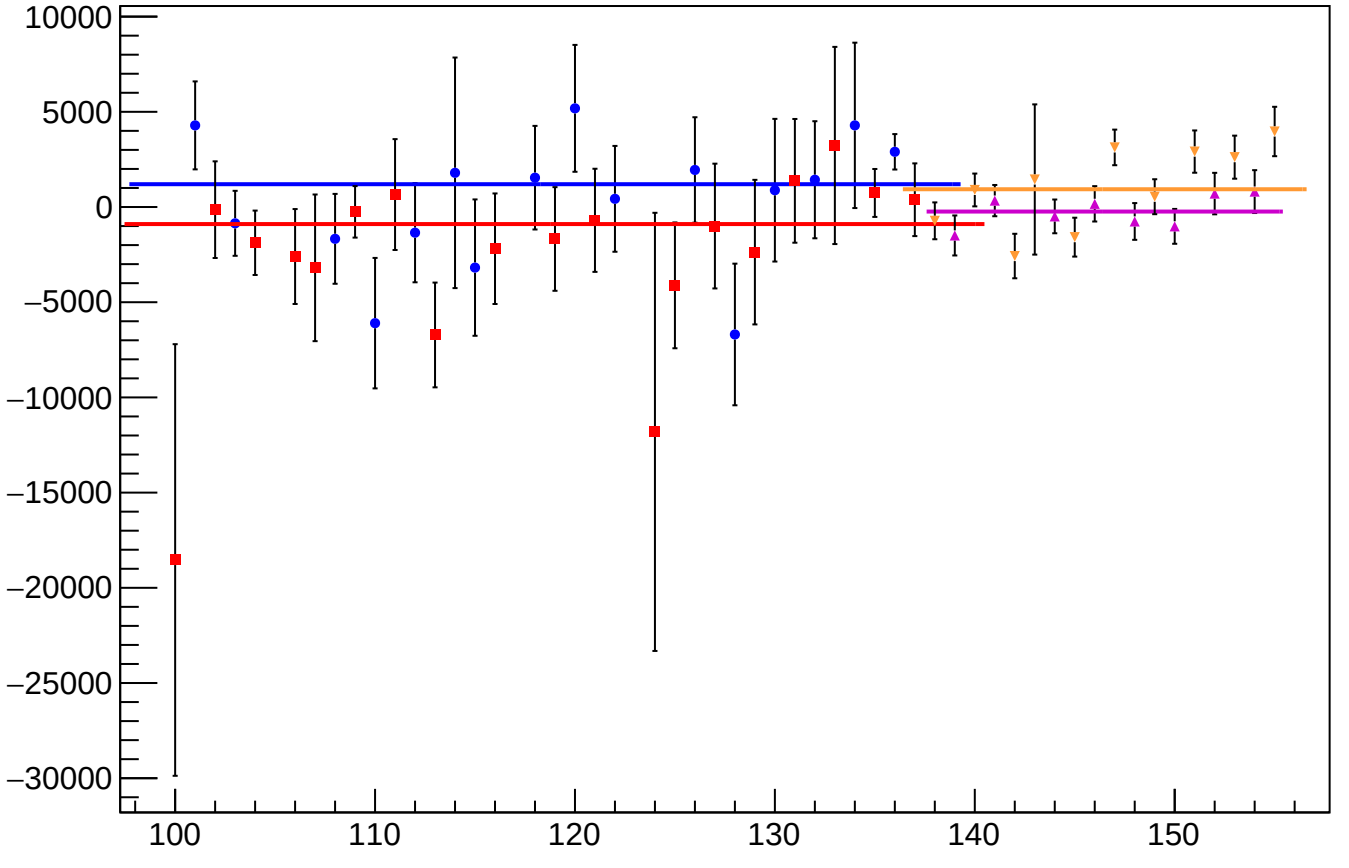
Out: 1038.007+/-0.205 χ^2/NDF:4246715.4/28

All: 1035.701+/-0.145 χ^2/NDF: 7563102.1/52


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: -265.064+/-658.882 χ²/NDF:14.1/9
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 232.006+/-671.993 χ²/NDF:5.5/7
Left: -21.425+/-470.467 χ²/NDF: 19.9/17
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 745.113+/-451.329 χ²/NDF:21.0/23
Out: -160.328+/-444.977 χ²/NDF:32.4/28
All: 285.977+/-316.868 χ²/NDF: 55.5/52


eigen_cor_asym_at2_dd_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
Right In: 1613.674+/-0.431 χ²/NDF: 404688.8/15
Left Out: 1827.422+/-0.466 χ²/NDF:322173.1/9
Right Out: 1603.464+/-0.427 χ²/NDF: 425793.4/18
Left In: 1777.371+/-0.475 χ²/NDF:48094.0/7
Left: 1802.889+/-0.333 χ²/NDF: 375924.0/17
Right: 1608.520+/-0.303 χ²/NDF: 830765.8/34
In: 1687.514+/-0.319 χ²/NDF:517929.0/23
Out: 1705.611+/-0.315 χ²/NDF:873647.0/28
All: 1696.691+/-0.224 χ²/NDF: 1393206.4/52

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: 933.451+/-339.216 χ^2/NDF:34.6/9

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -238.527+/-338.578 χ^2/NDF:4.8/7

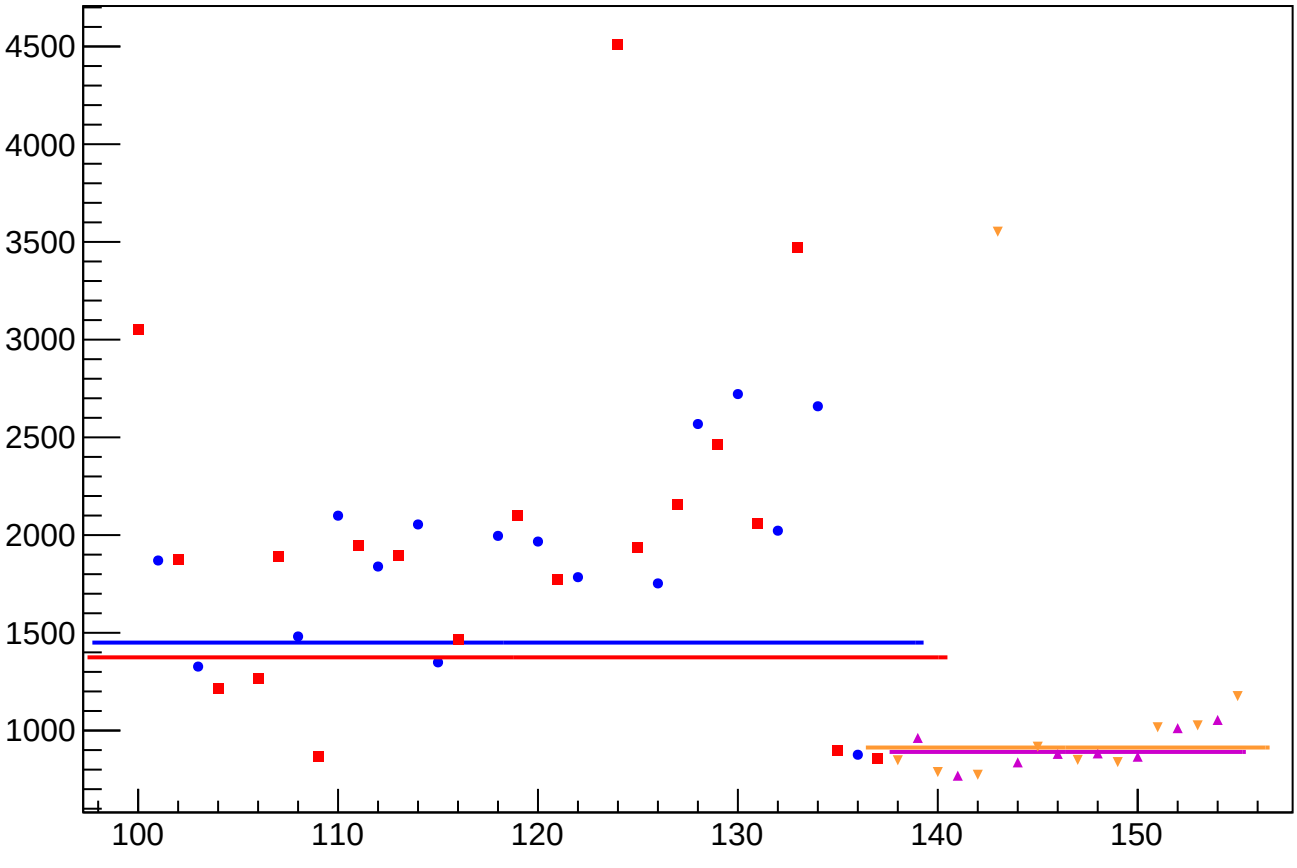
Left: 346.358+/-239.636 χ^2/NDF: 45.4/17

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 128.324+/-292.176 χ^2/NDF:31.1/23

Out: 438.214+/-289.671 χ^2/NDF:56.7/28

All: 284.603+/-205.708 χ^2/NDF: 88.4/52



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 913.079+/-0.240 χ^2/NDF:1117235.4/9

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 890.530+/-0.239 χ^2/NDF:129514.0/7

Left: 901.783+/-0.169 χ^2/NDF: 1251176.7/17

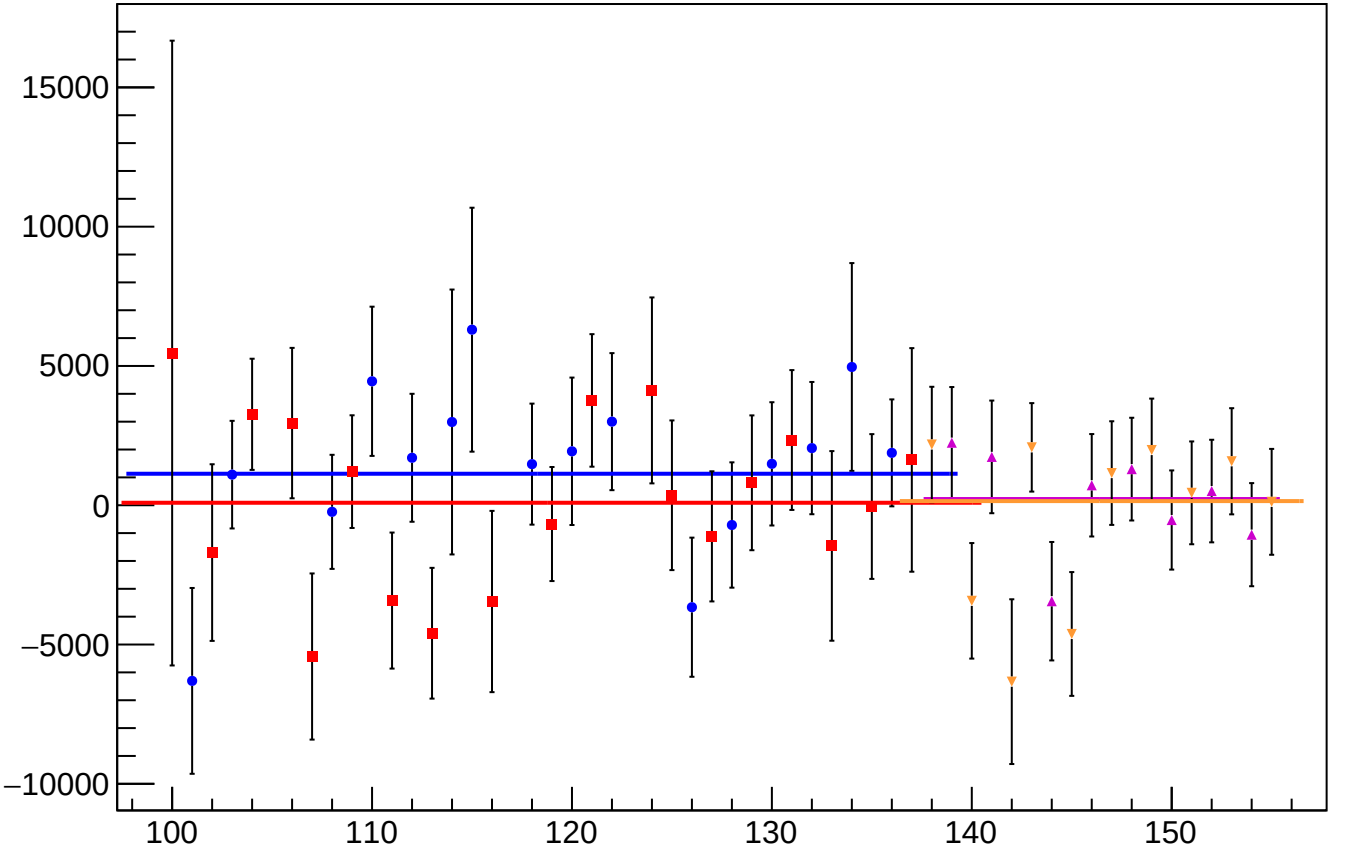
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1033.354+/-0.207 χ^2/NDF:3316131.0/23

Out: 1038.007+/-0.205 χ^2/NDF:4246715.4/28

All: 1035.701+/-0.145 χ^2/NDF: 7563102.1/52

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 148.923+/-619.313 χ^2/NDF:16.7/9

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 223.237+/-672.824 χ^2/NDF:5.7/7

Left: 183.007+/-455.665 χ^2/NDF: 22.4/17

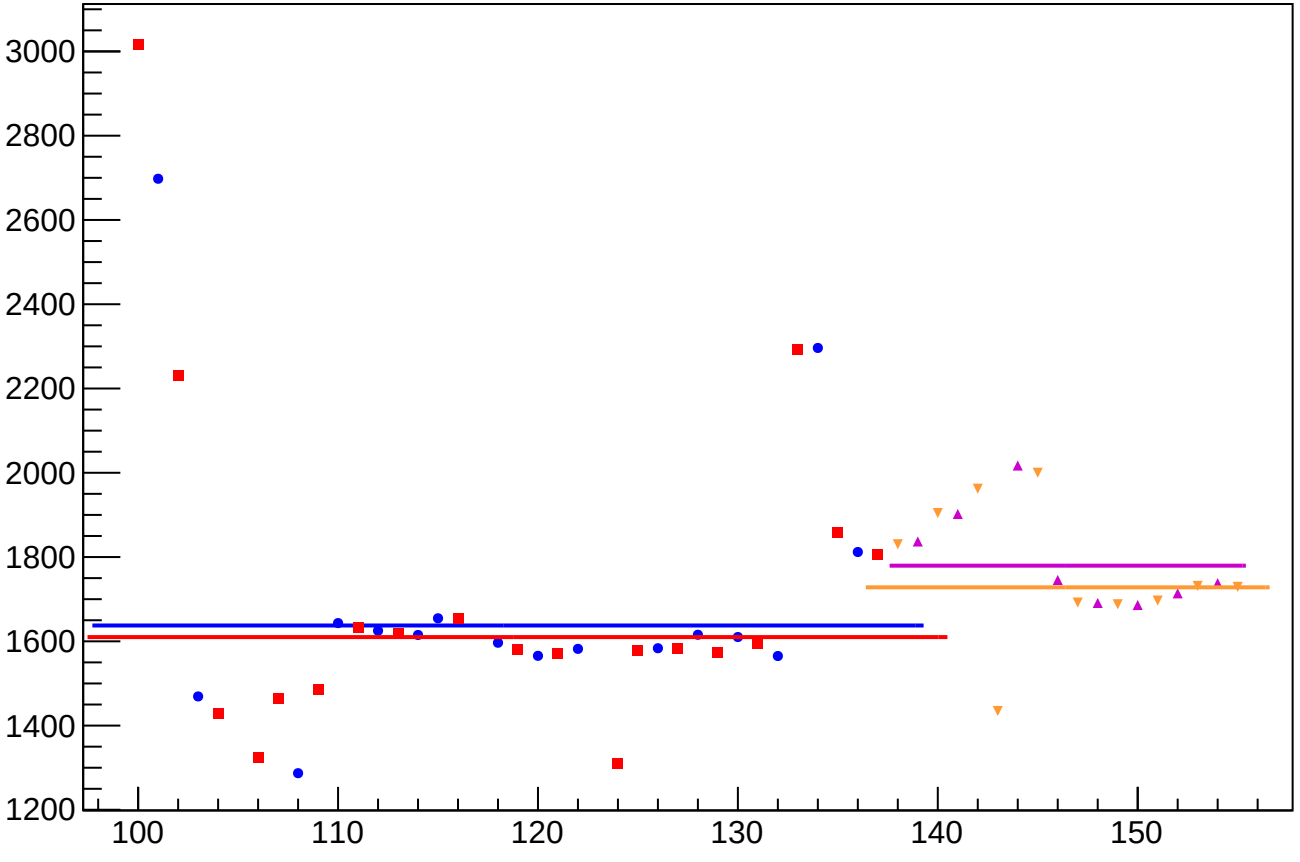
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 716.012+/-454.836 χ^2/NDF:21.6/23

Out: 118.278+/-432.064 χ^2/NDF:37.4/28

All: 401.808+/-313.257 χ^2/NDF: 59.9/52

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1728.143+/-0.438 χ^2/NDF:132442.6/9

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1779.542+/-0.476 χ^2/NDF:48344.1/7

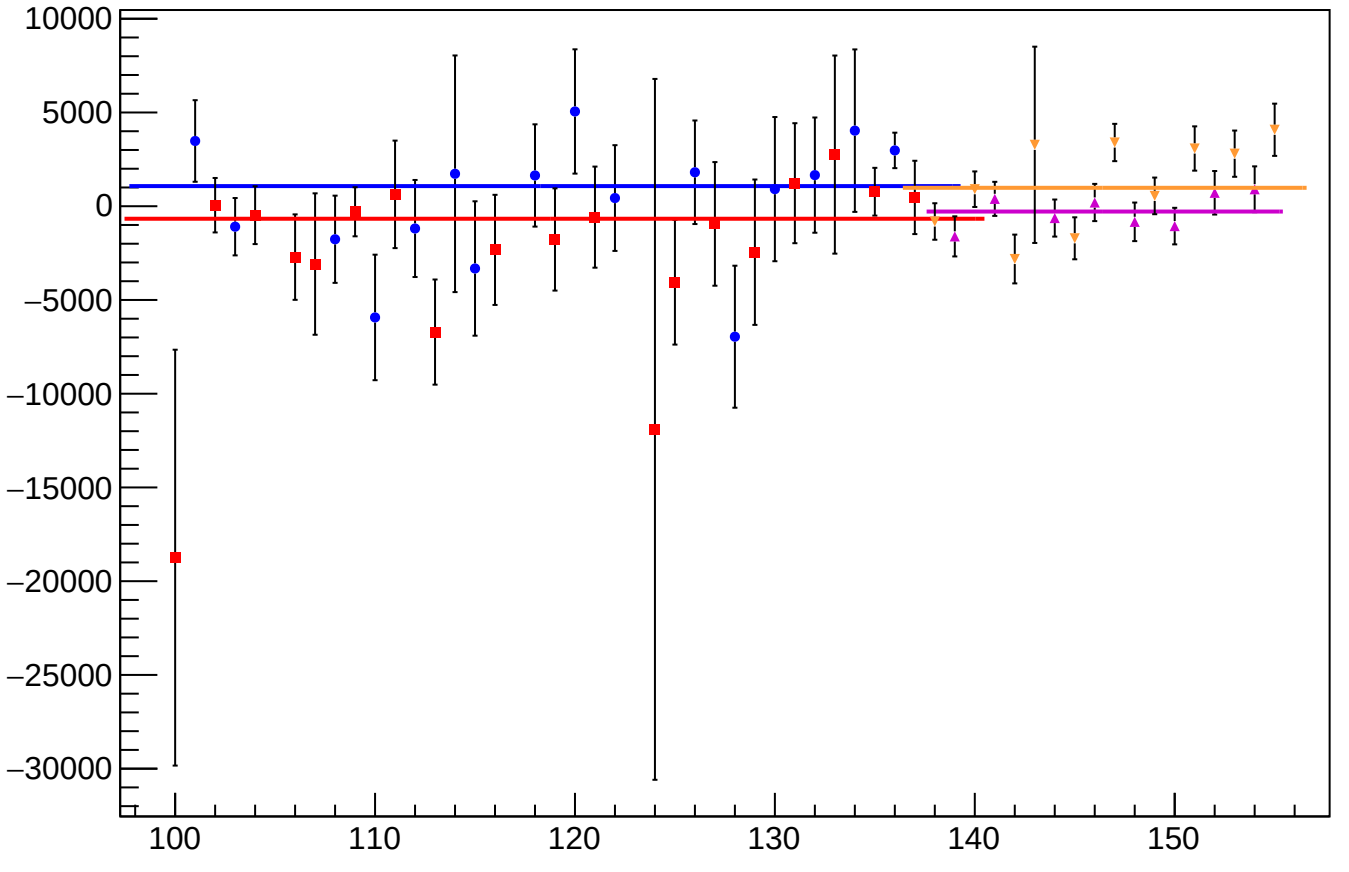
Left: 1751.717+/-0.322 χ^2/NDF: 187105.2/17

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1702.452+/-0.322 χ^2/NDF:458113.2/23

Out: 1667.524+/-0.306 χ^2/NDF:450585.5/28

All: 1684.092+/-0.222 χ^2/NDF: 914898.4/52



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 982.219+/-364.220 χ^2/NDF:34.3/9

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -284.016+/-364.382 χ^2/NDF:5.1/7

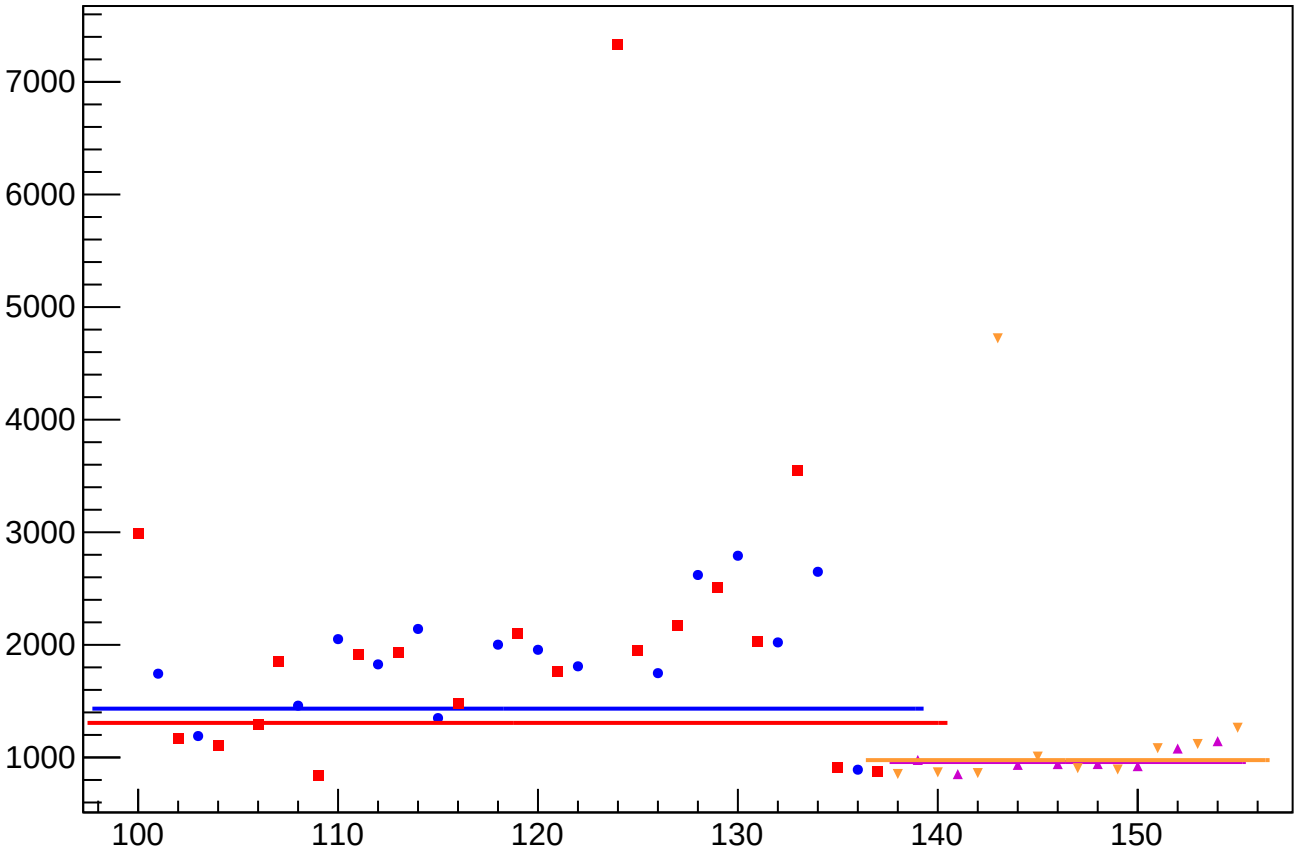
Left: 349.383+/-257.599 χ^2/NDF: 45.4/17

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: 108.263+/-307.261 χ^2/NDF:31.1/23

Out: 444.008+/-298.973 χ^2/NDF:54.5/28

All: 280.724+/-214.276 χ^2/NDF: 86.2/52



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 976.344+/-0.258 χ^2/NDF:1252883.4/9

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 959.428+/-0.258 χ^2/NDF:101139.0/7

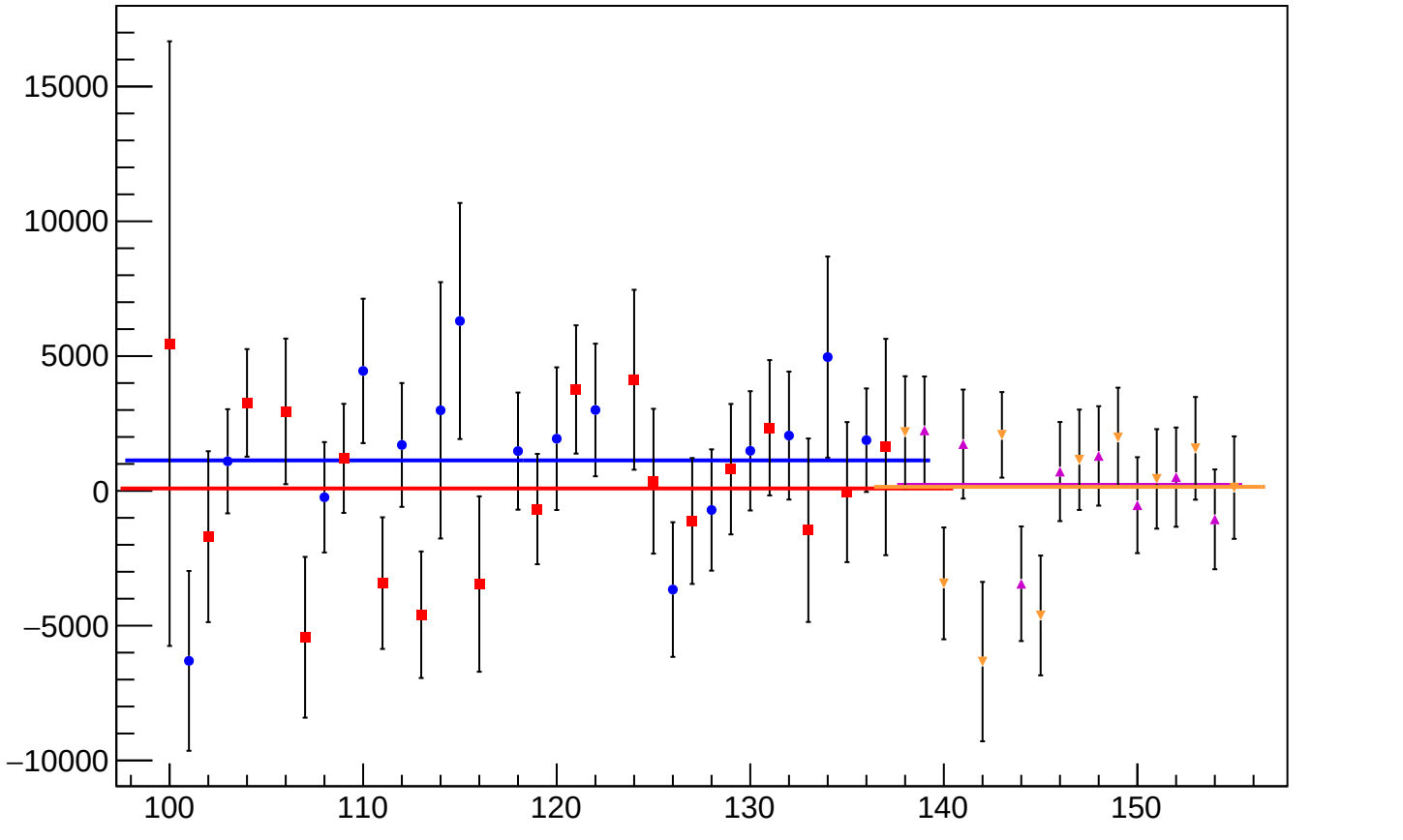
Left: 967.890+/-0.182 χ^2/NDF: 1356178.7/17

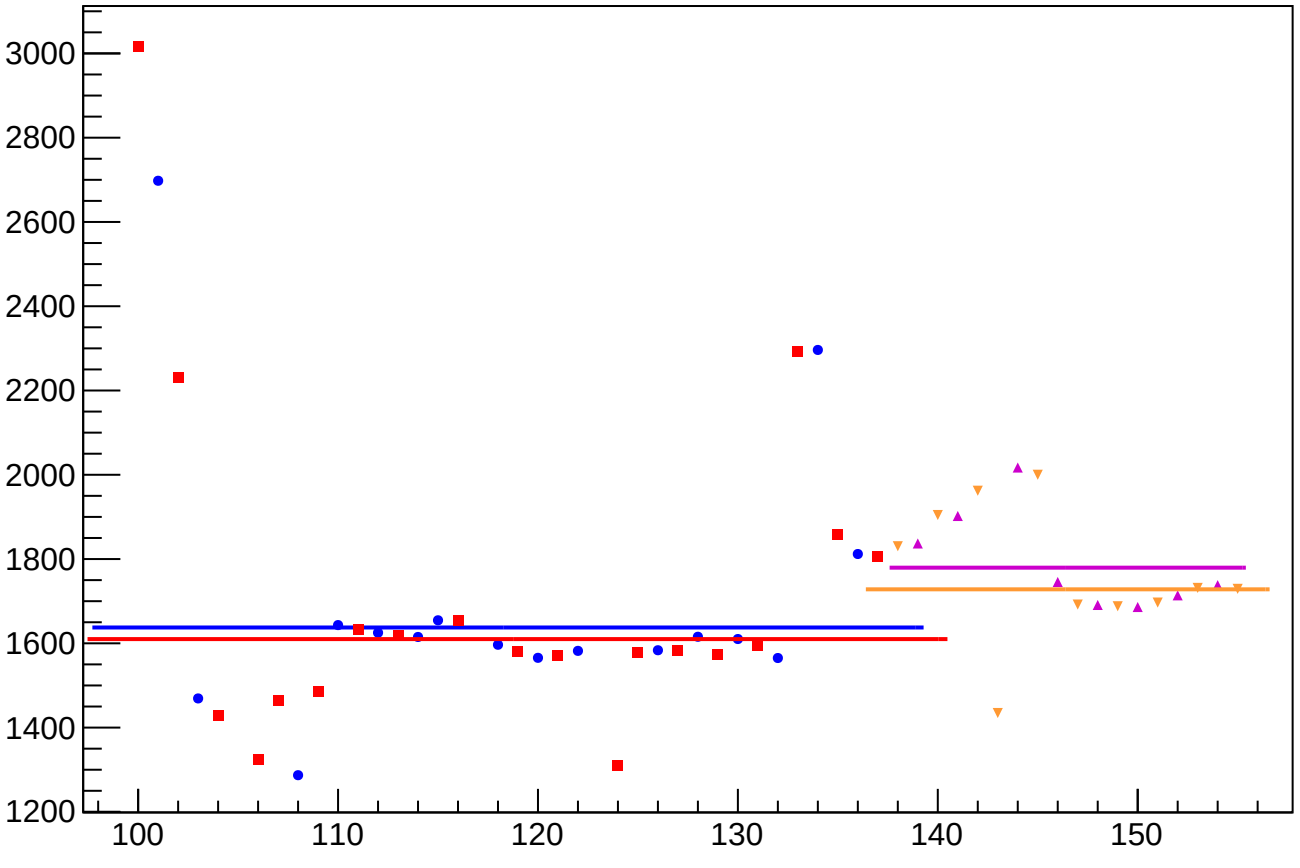
Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1096.402+/-0.217 χ^2/NDF:2842726.6/23

Out: 1084.157+/-0.211 χ^2/NDF:3974036.0/28

All: 1090.112+/-0.152 χ^2/NDF: 6818394.3/52


eigen_dit_asym_at2_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 1130.728+/-617.236 χ²/NDF: 15.0/15
Left Out: 148.911+/-619.313 χ²/NDF:16.7/9
Right Out: 89.225+/-603.072 χ²/NDF: 20.7/18
Left In: 223.231+/-672.824 χ²/NDF:5.7/7
Left: 182.999+/-455.665 χ²/NDF: 22.4/17
Right: 597.890+/-431.357 χ²/NDF: 37.1/34
In: 716.011+/-454.836 χ²/NDF:21.6/23
Out: 118.276+/-432.064 χ²/NDF:37.4/28
All: 401.806+/-313.257 χ²/NDF: 59.9/52



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1728.143+/-0.438 χ^2/NDF:132441.5/9

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1779.542+/-0.476 χ^2/NDF:48344.2/7

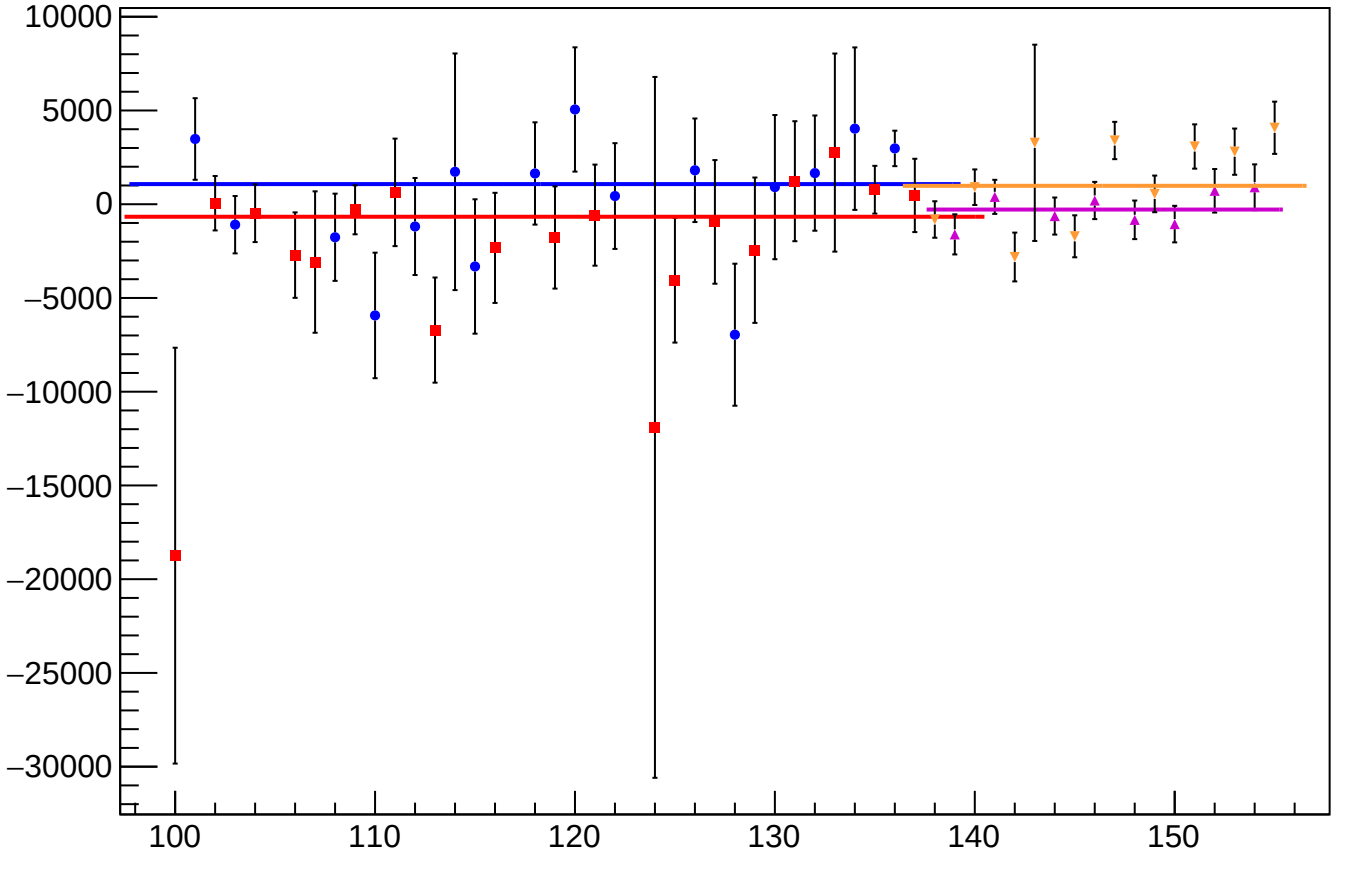
Left: 1751.717+/-0.322 χ^2/NDF: 187104.1/17

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1702.452+/-0.322 χ^2/NDF:458113.2/23

Out: 1667.524+/-0.306 χ^2/NDF:450585.0/28

All: 1684.092+/-0.222 χ^2/NDF: 914897.8/52



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 982.234+/-364.222 χ^2/NDF:34.3/9

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -284.017+/-364.382 χ^2/NDF:5.1/7

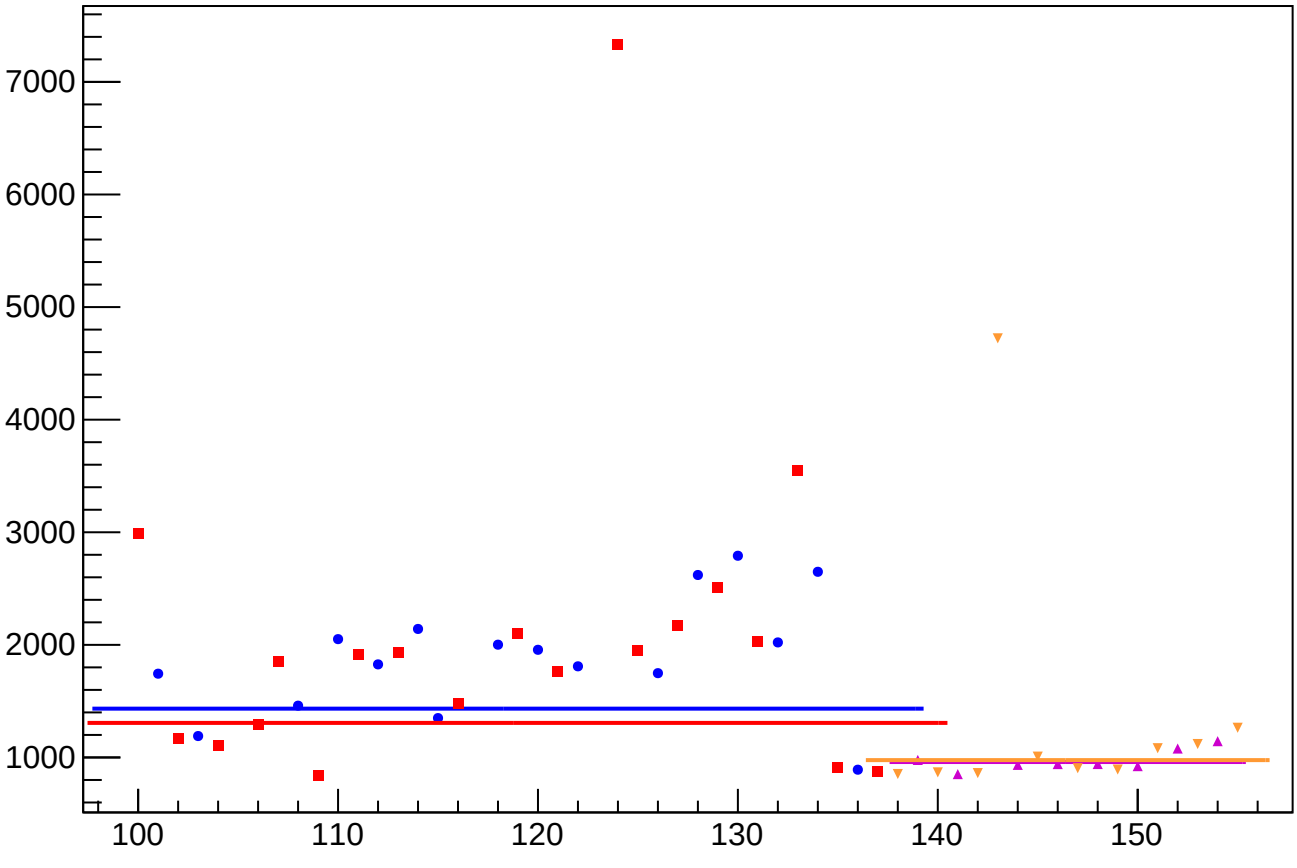
Left: 349.387+/-257.600 χ^2/NDF: 45.4/17

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

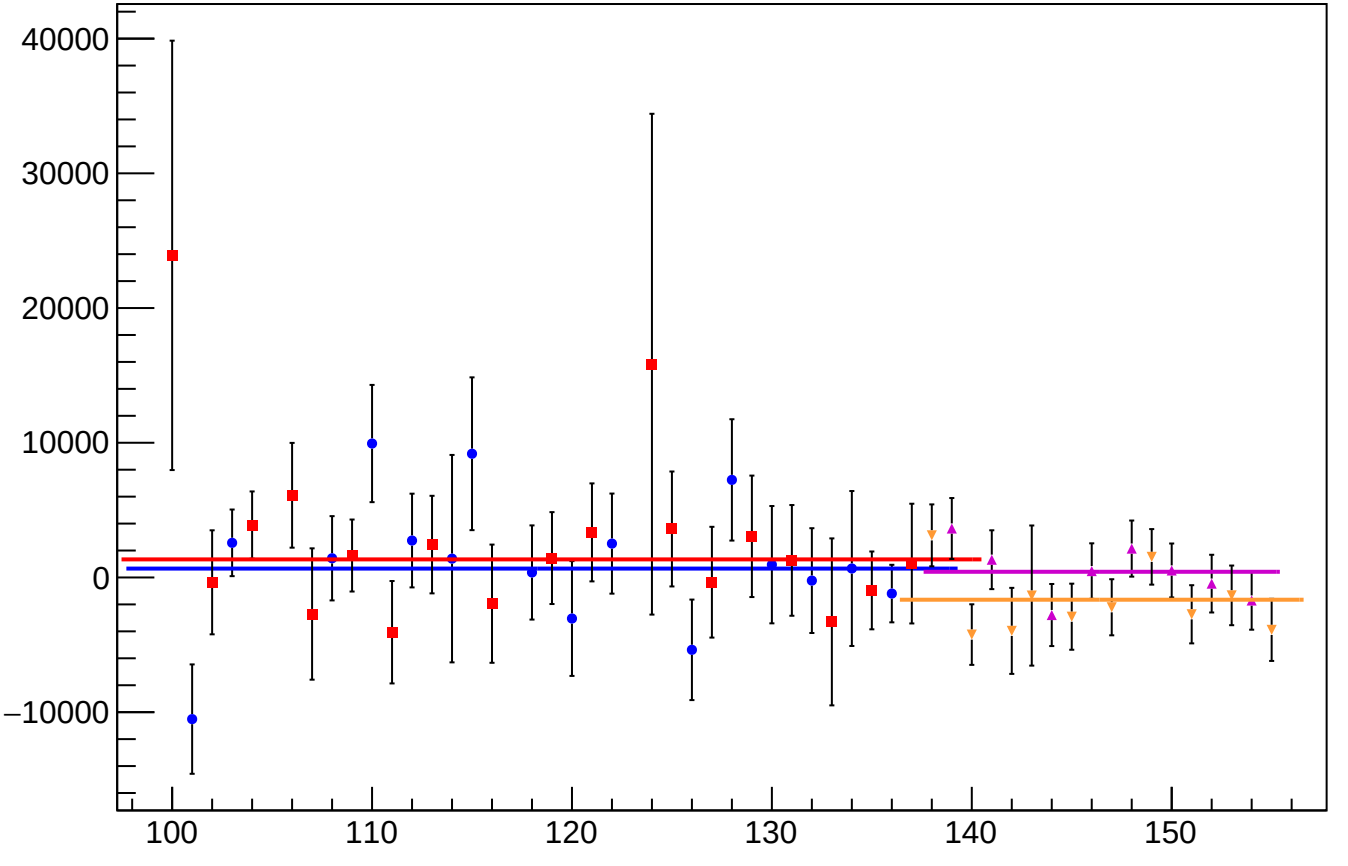
In: 108.255+/-307.262 χ^2/NDF:31.1/23

Out: 444.016+/-298.975 χ^2/NDF:54.5/28

All: 280.724+/-214.277 χ^2/NDF: 86.2/52


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: 976.350+/-0.258 χ²/NDF:1252863.6/9
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 959.429+/-0.258 χ²/NDF:101139.2/7
Left: 967.893+/-0.182 χ²/NDF: 1356160.2/17
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1096.407+/-0.217 χ²/NDF:2842681.1/23
Out: 1084.165+/-0.211 χ²/NDF:3973963.9/28
All: 1090.118+/-0.152 χ²/NDF: 6818275.7/52

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1652.039+/-753.542 χ^2/NDF:10.1/9

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 421.933+/-758.095 χ^2/NDF:5.9/7

Left: -621.299+/-534.437 χ^2/NDF: 19.8/17

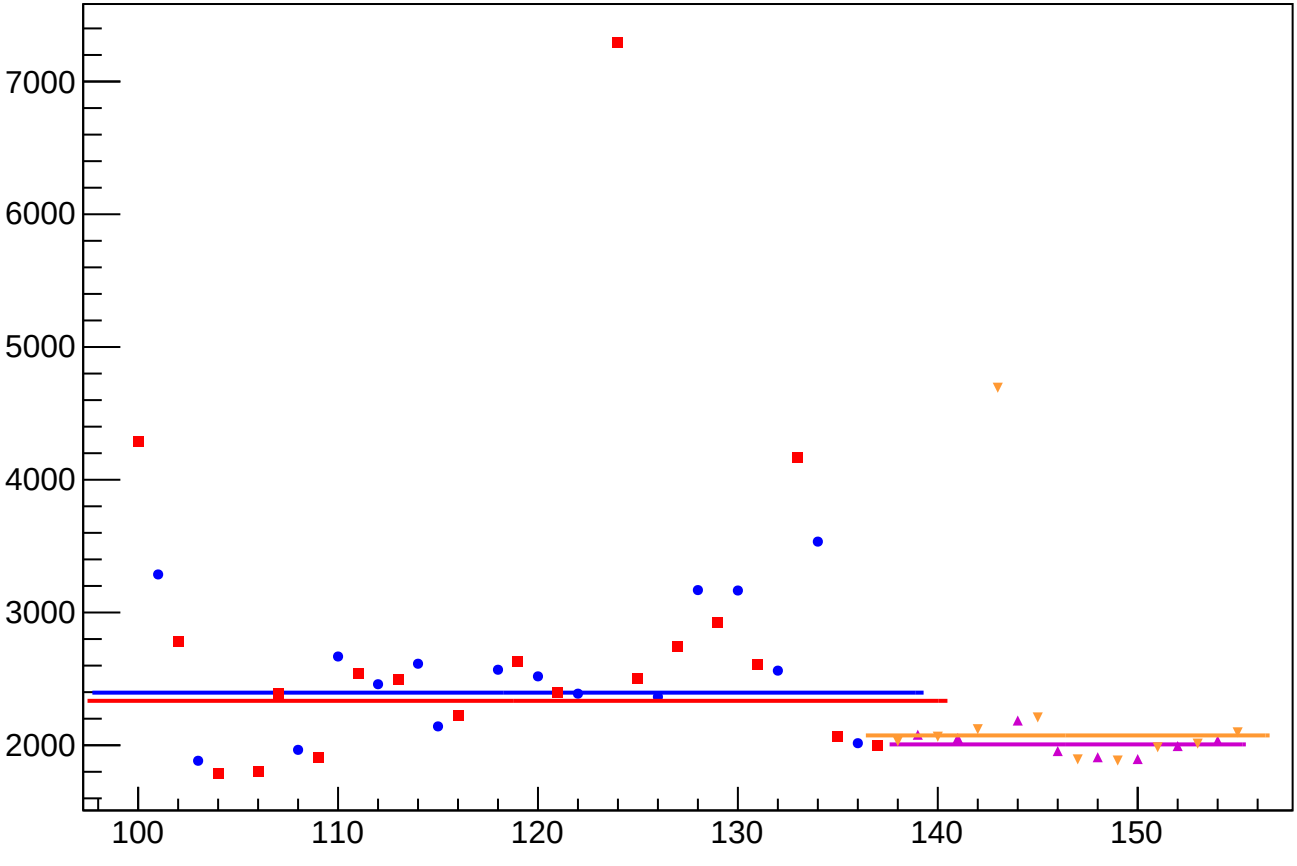
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 519.298+/-582.347 χ^2/NDF:28.0/23

Out: -402.845+/-575.251 χ^2/NDF:27.5/28

All: 52.574+/-409.249 χ^2/NDF: 56.8/52

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2073.982+/-0.533 χ^2/NDF:551606.6/9

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2006.407+/-0.536 χ^2/NDF:27207.8/7

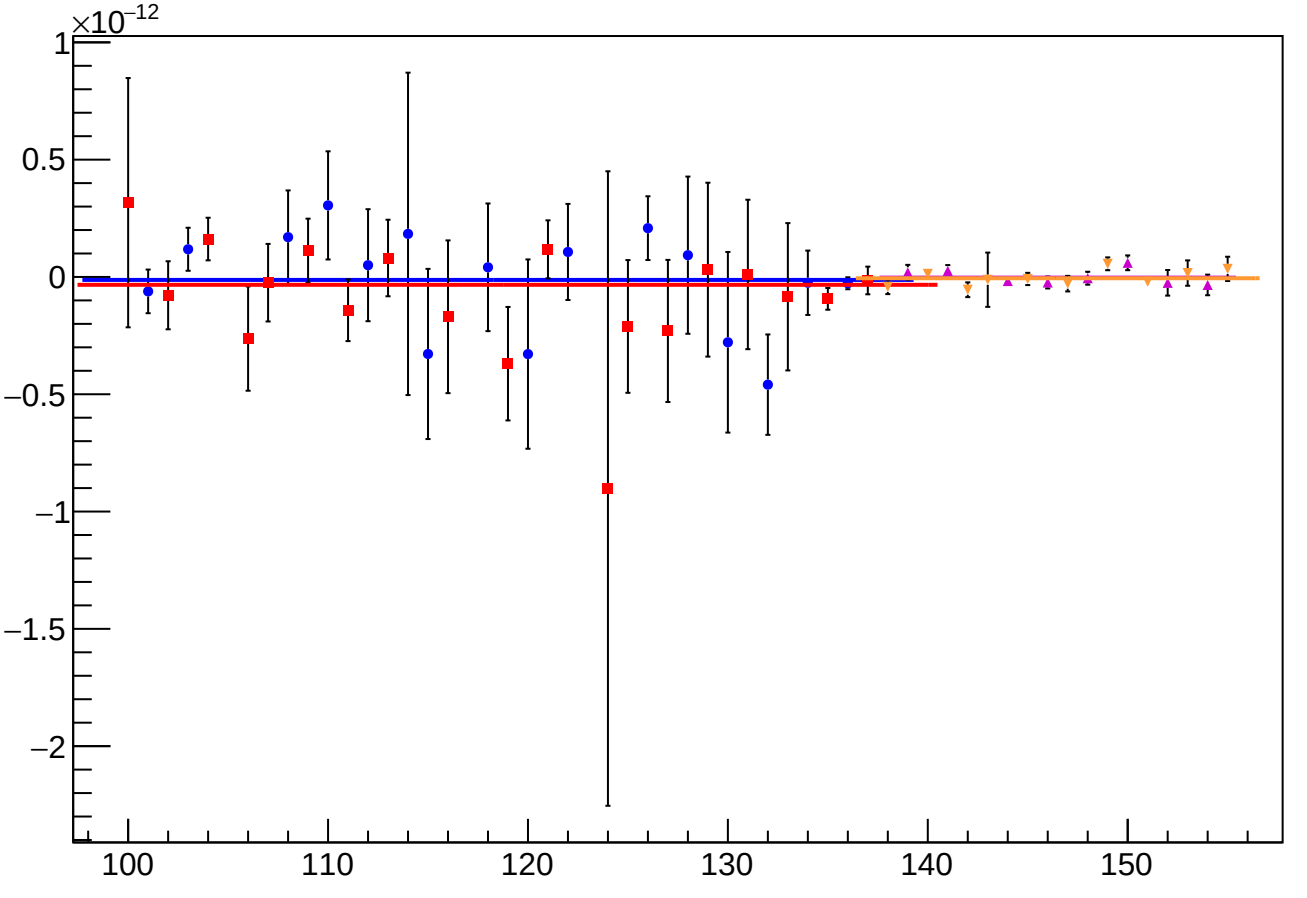
Left: 2040.398+/-0.378 χ^2/NDF: 586807.8/17

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2166.219+/-0.412 χ^2/NDF:751931.0/23

Out: 2182.717+/-0.407 χ^2/NDF:1332985.2/28

All: 2174.569+/-0.289 χ^2/NDF: 2085728.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/7

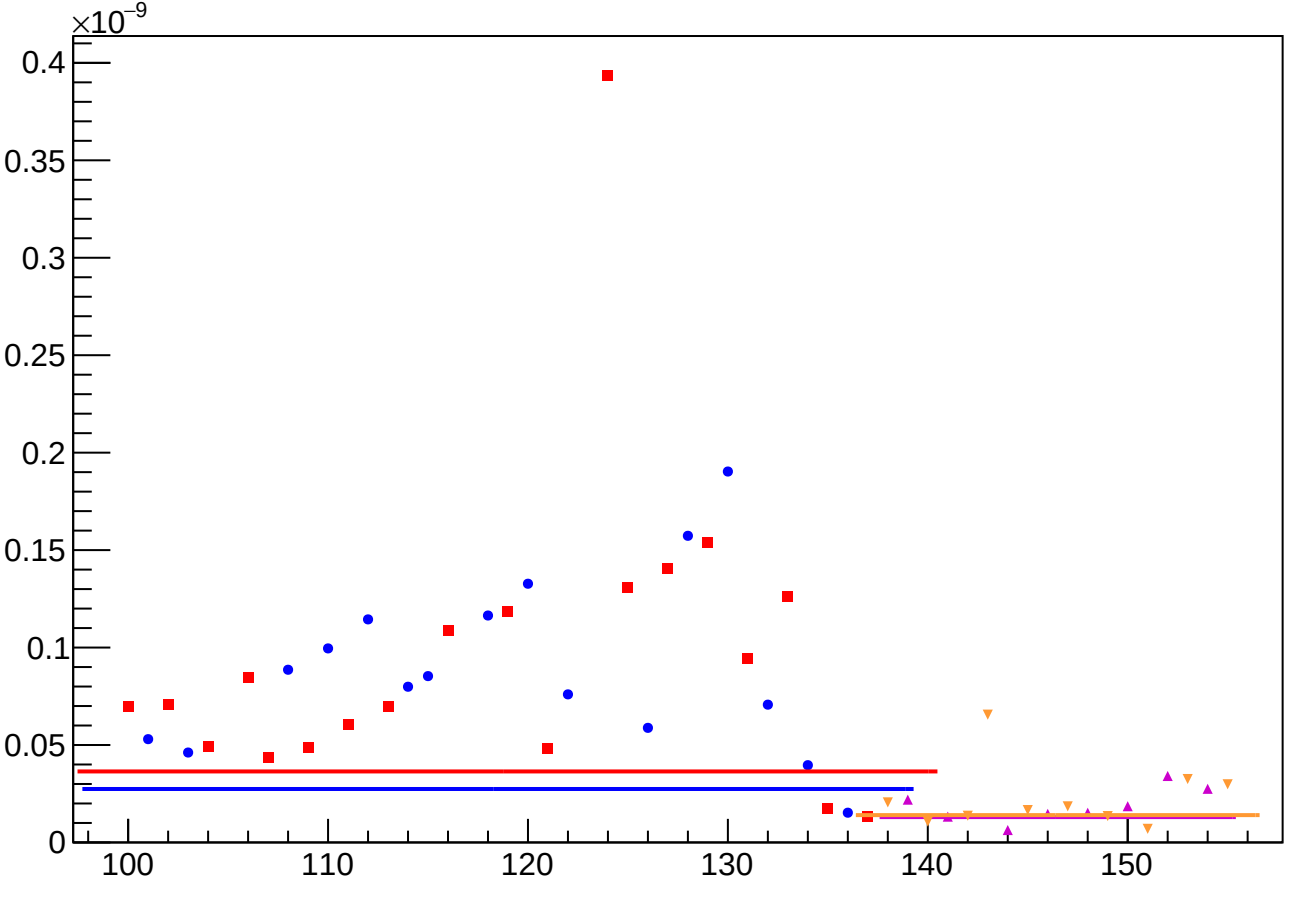
Left: -0.000+/-0.000 χ^2/NDF: 20.2/17

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:23.4/23

Out: -0.000+/-0.000 χ^2/NDF:27.9/28

All: -0.000+/-0.000 χ^2/NDF: 51.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1313897.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1223498.1/7

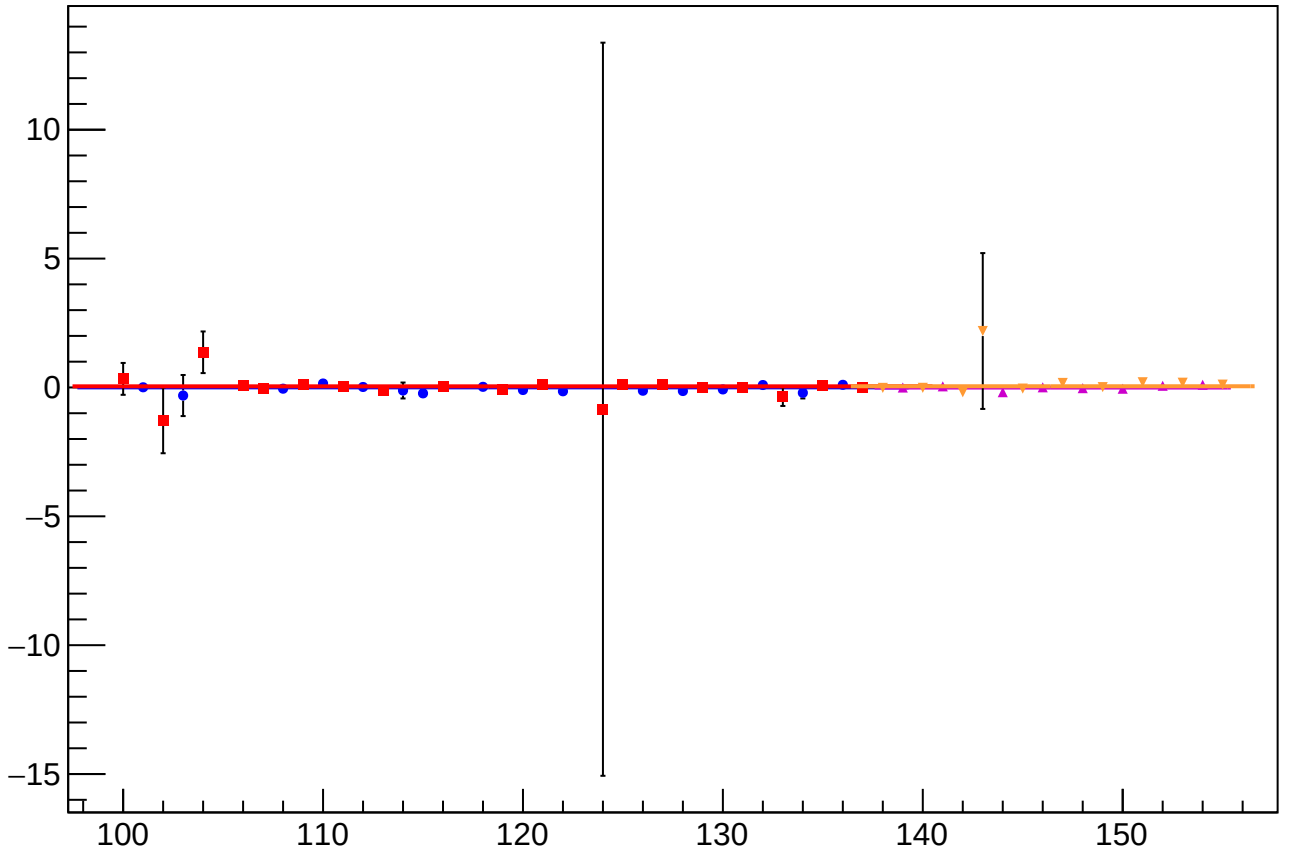
Left: 0.000+/-0.000 χ^2/NDF: 2550150.2/17

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4679361.6/23

Out: 0.000+/-0.000 χ^2/NDF:4917517.4/28

All: 0.000+/-0.000 χ^2/NDF: 9614796.2/52



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.047+/-0.025 χ^2/NDF:16.6/9

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.004+/-0.025 χ^2/NDF:5.3/7

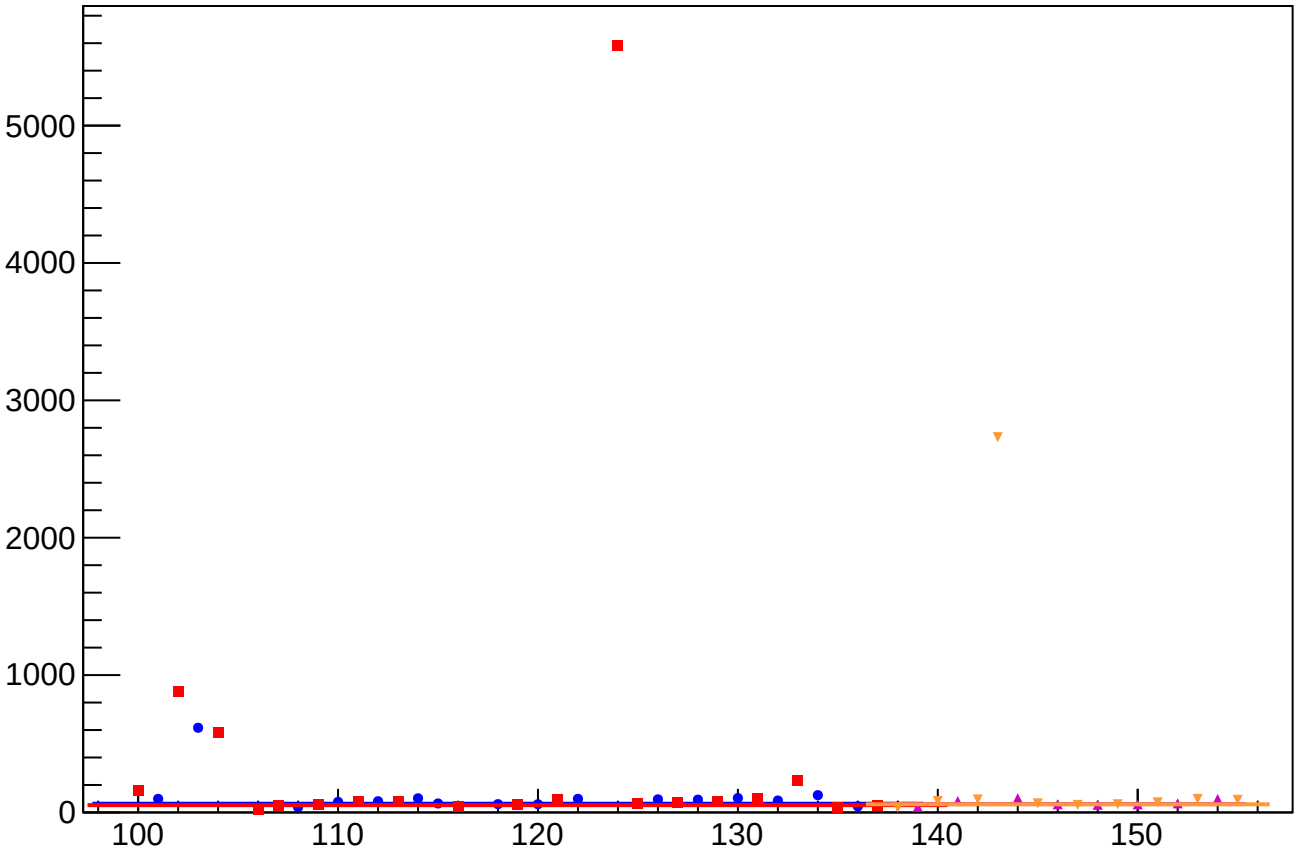
Left: 0.022+/-0.018 χ^2/NDF: 23.9/17

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.001+/-0.019 χ^2/NDF:18.6/23

Out: 0.045+/-0.018 χ^2/NDF:29.2/28

All: 0.024+/-0.013 χ^2/NDF: 51.1/52



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 59.544+/-0.018 χ^2/NDF:2943044.4/9

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 60.997+/-0.018 χ^2/NDF:1008703.5/7

Left: 60.256+/-0.013 χ^2/NDF: 3955085.8/17

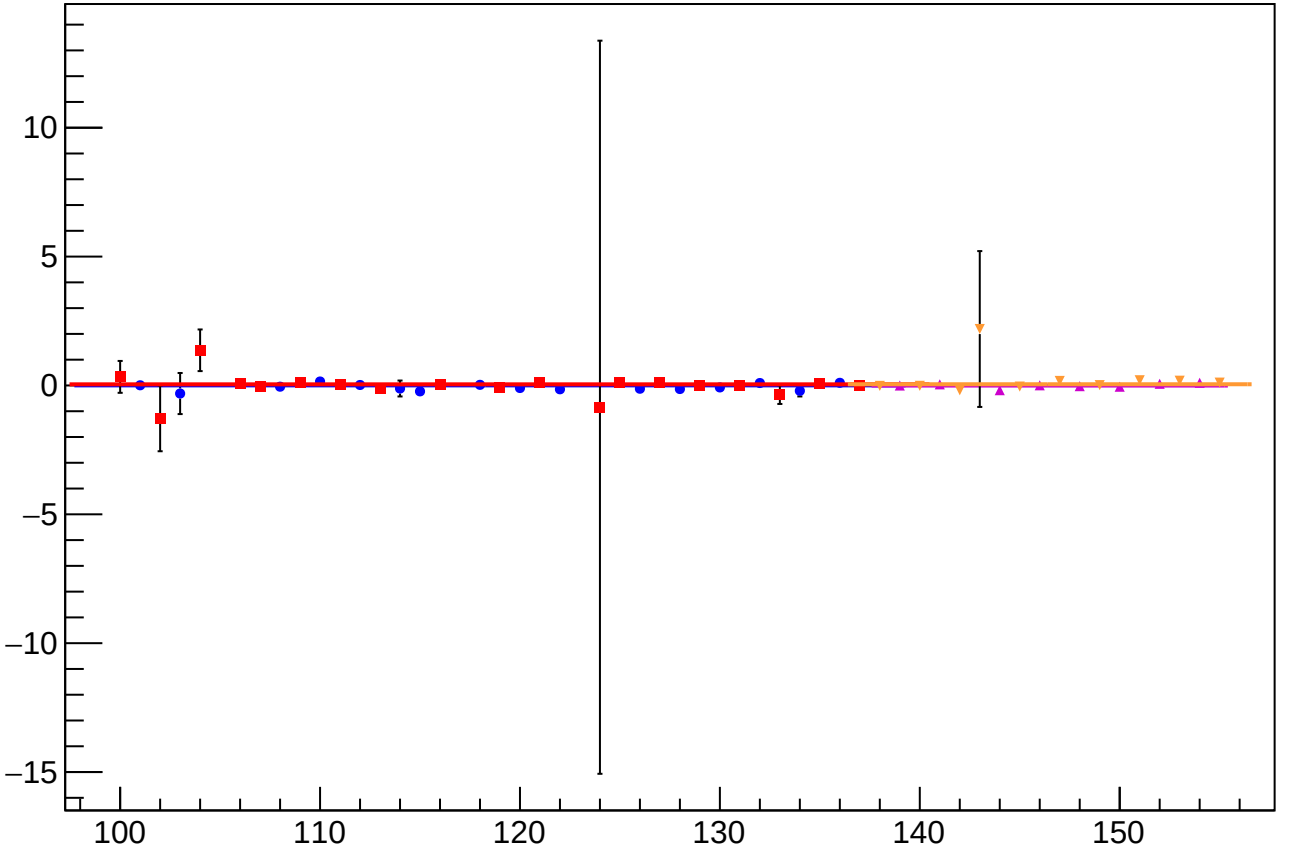
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 62.141+/-0.013 χ^2/NDF:3462672.0/23

Out: 56.368+/-0.012 χ^2/NDF:6953791.8/28

All: 59.097+/-0.009 χ^2/NDF: 10518400.9/52

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: 0.047+/-0.025 χ^2/NDF:16.6/9

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.004+/-0.025 χ^2/NDF:5.3/7

Left: 0.022+/-0.018 χ^2/NDF: 23.9/17

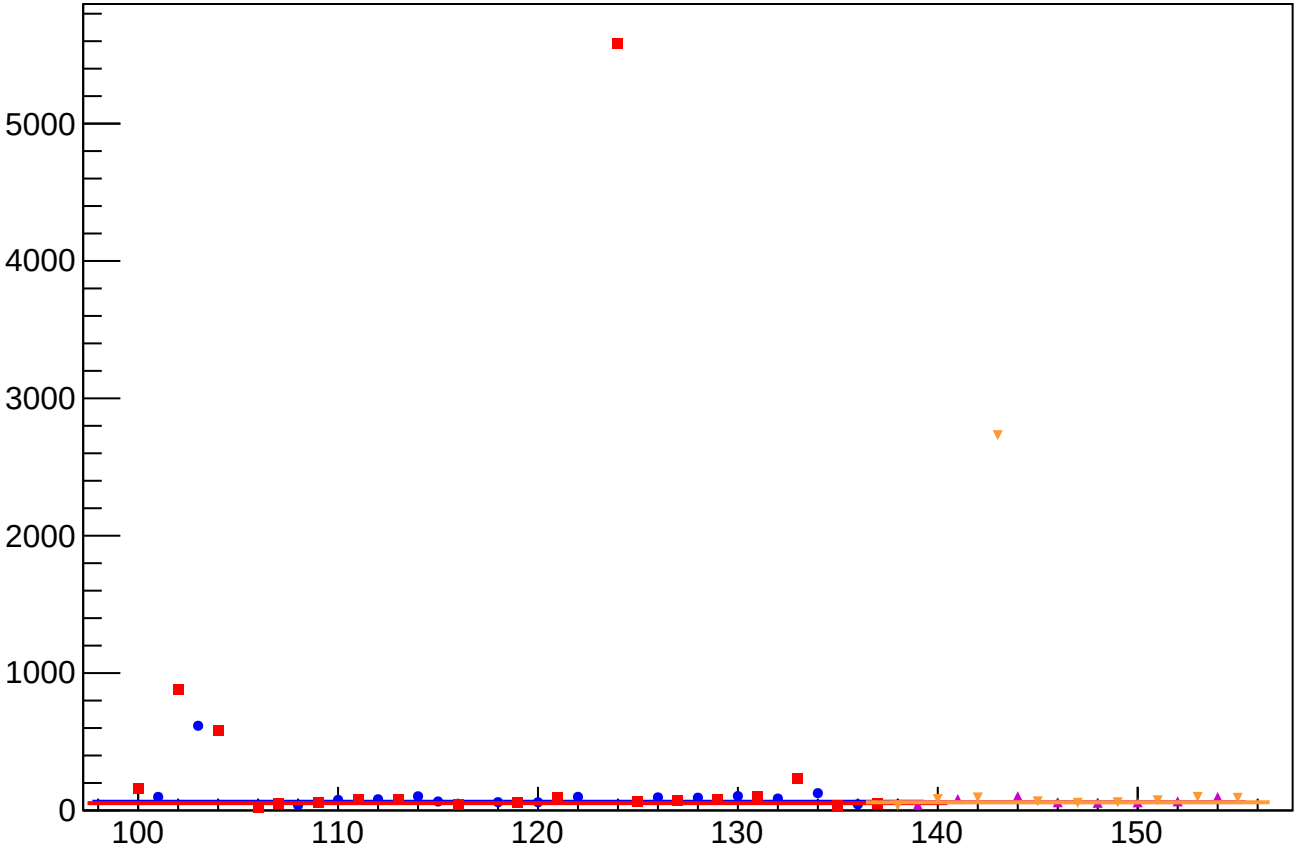
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.001+/-0.019 χ^2/NDF:18.6/23

Out: 0.045+/-0.018 χ^2/NDF:29.2/28

All: 0.024+/-0.013 χ^2/NDF: 51.1/52

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: 59.544+/-0.018 χ^2/NDF:2943044.4/9

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 60.997+/-0.018 χ^2/NDF:1008703.5/7

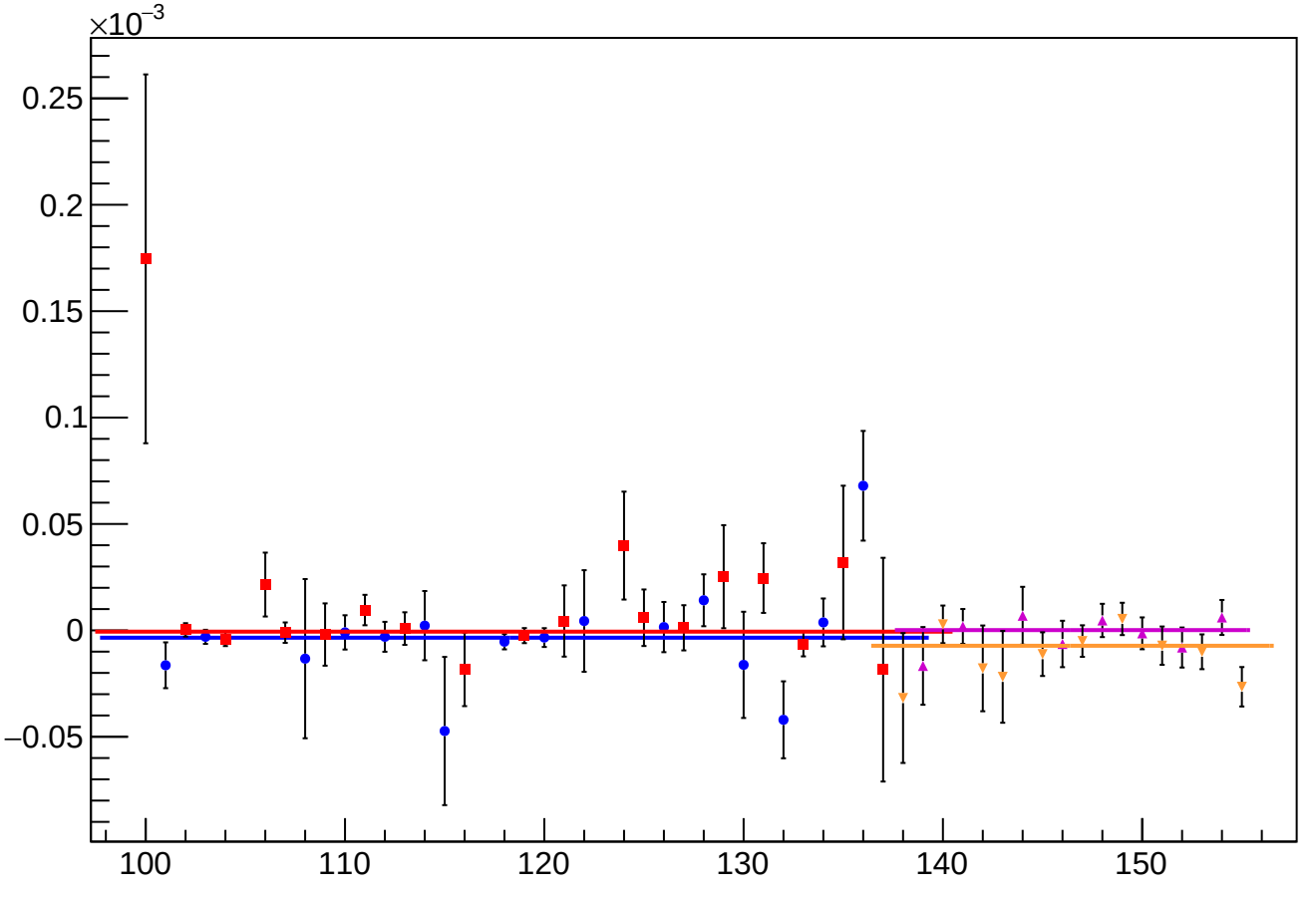
Left: 60.256+/-0.013 χ^2/NDF: 3955085.8/17

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 62.141+/-0.013 χ^2/NDF:3462672.0/23

Out: 56.368+/-0.012 χ^2/NDF:6953791.8/28

All: 59.097+/-0.009 χ^2/NDF: 10518400.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/9

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/7

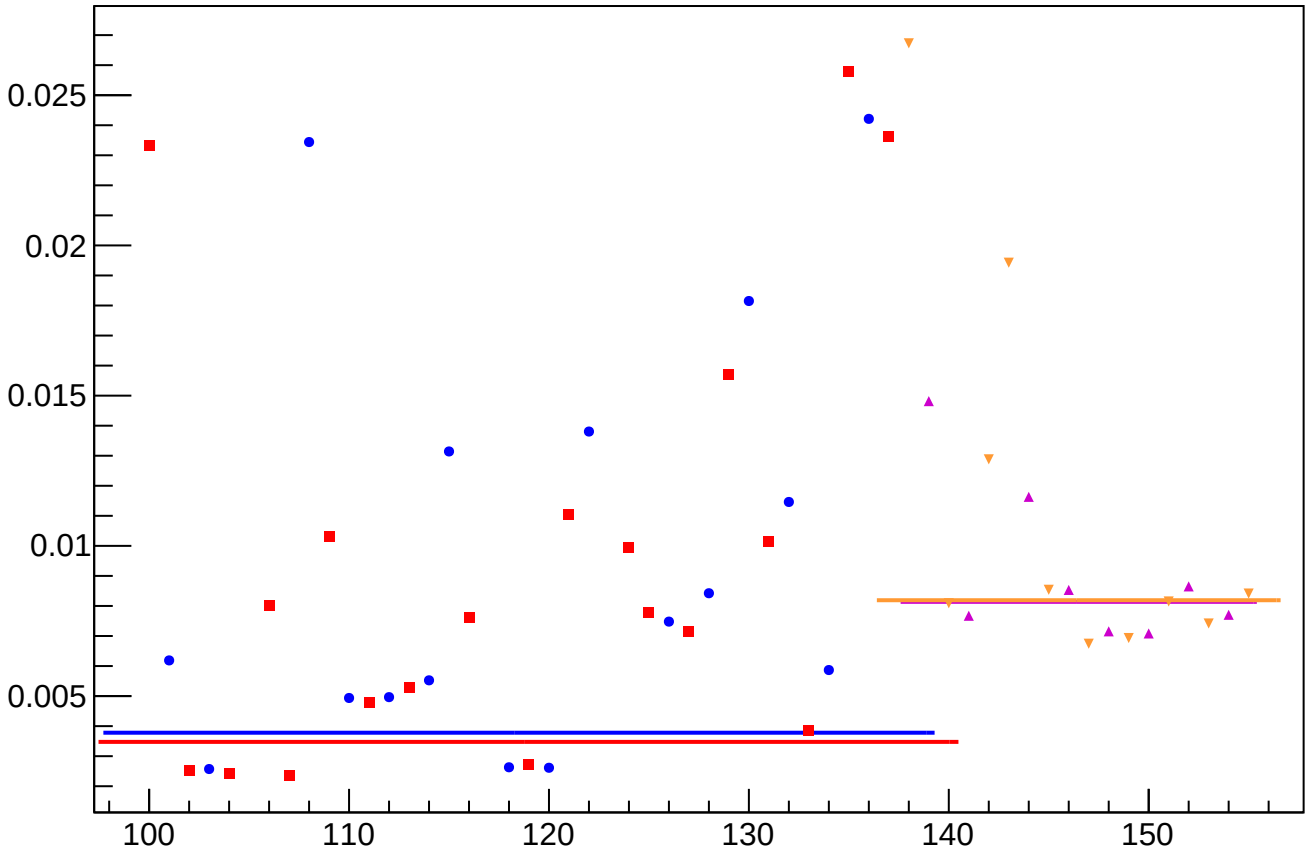
Left: -0.000+/-0.000 χ^2/NDF: 15.9/17

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:22.9/23

Out: -0.000+/-0.000 χ^2/NDF:32.9/28

All: -0.000+/-0.000 χ^2/NDF: 55.9/52



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:1541859.0/9

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.008+/-0.000 χ^2/NDF:491692.1/7

Left: 0.008+/-0.000 χ^2/NDF: 2033828.1/17

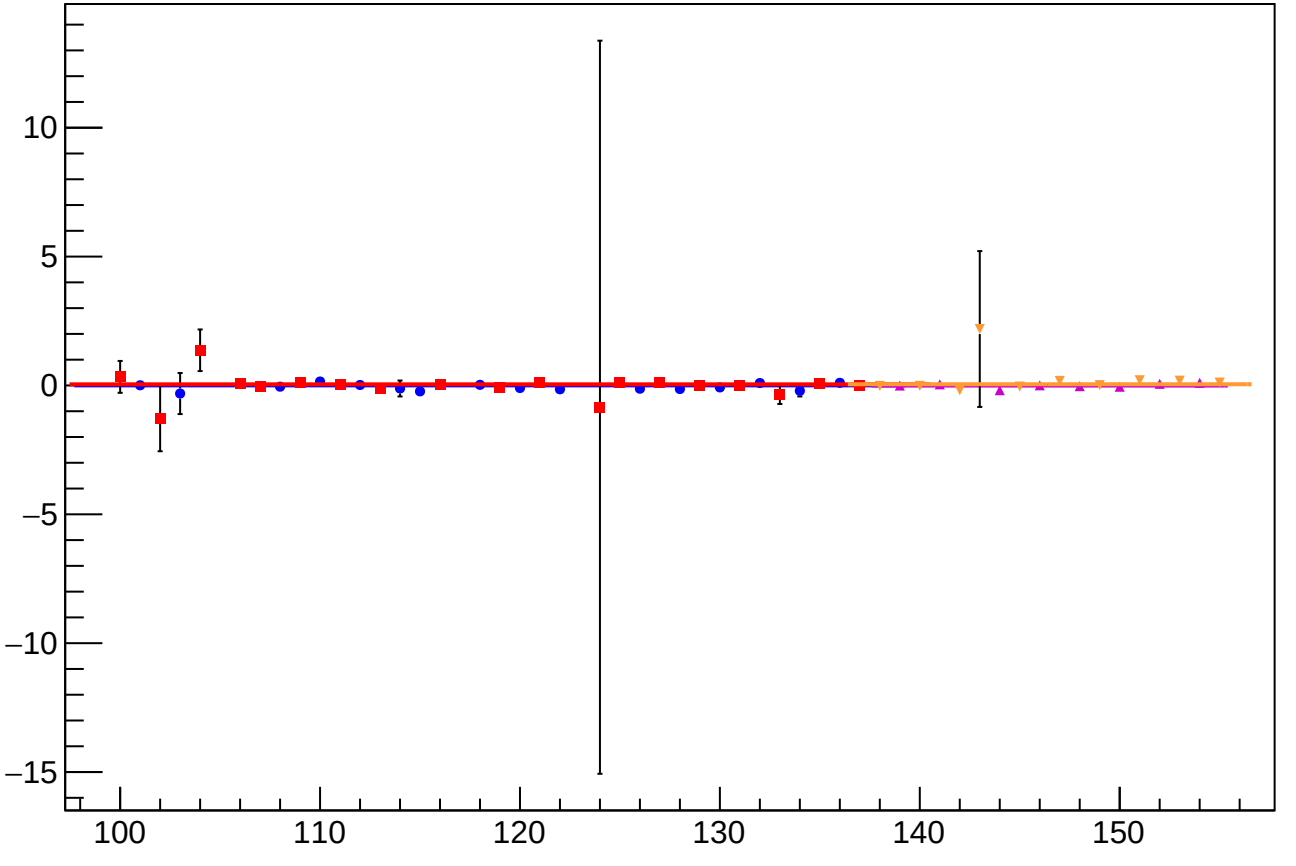
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:7885070.9/23

Out: 0.004+/-0.000 χ^2/NDF:9696844.8/28

All: 0.005+/-0.000 χ^2/NDF: 17654417.3/52

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: 0.047+/-0.025 χ^2/NDF:16.6/9

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.004+/-0.025 χ^2/NDF:5.3/7

Left: 0.022+/-0.018 χ^2/NDF: 23.9/17

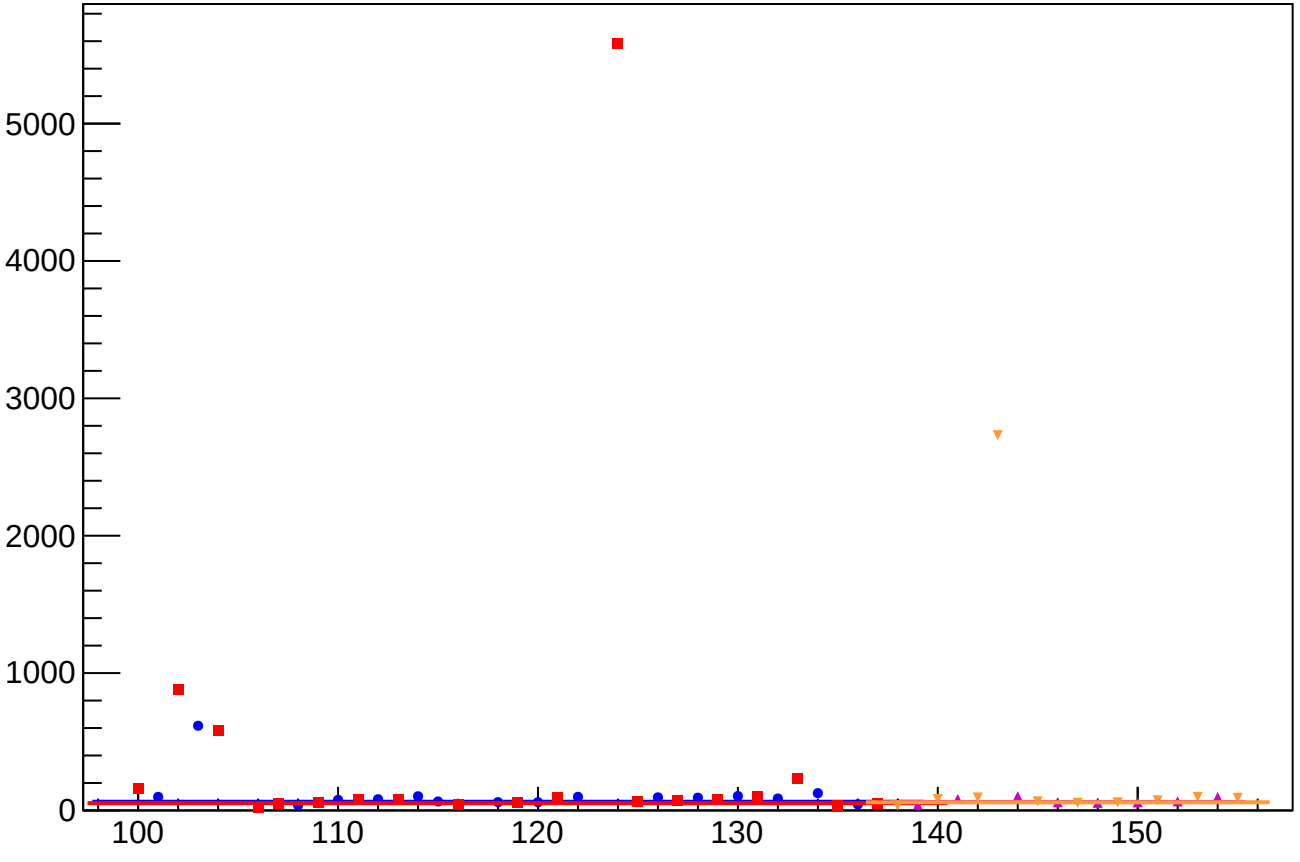
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.001+/-0.019 χ^2/NDF:18.6/23

Out: 0.045+/-0.018 χ^2/NDF:29.2/28

All: 0.024+/-0.013 χ^2/NDF: 51.1/52

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: 59.542+/-0.018 χ^2/NDF:2943041.8/9

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 61.001+/-0.018 χ^2/NDF:1008341.6/7

Left: 60.257+/-0.013 χ^2/NDF: 3954747.6/17

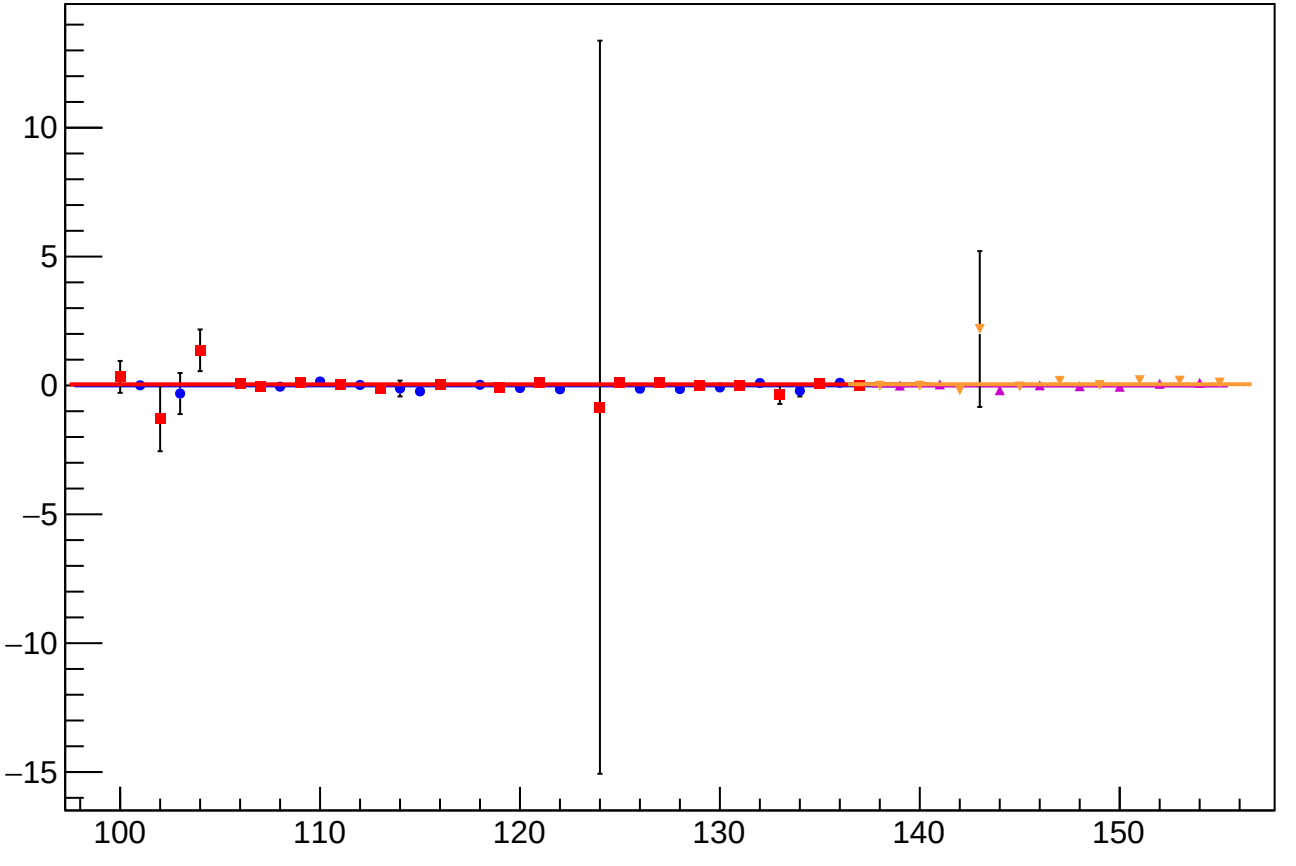
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 62.147+/-0.013 χ^2/NDF:3461448.9/23

Out: 56.364+/-0.012 χ^2/NDF:6954403.7/28

All: 59.098+/-0.009 χ^2/NDF: 10518129.8/52

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: 0.047+/-0.025 χ^2/NDF:16.6/9

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.004+/-0.025 χ^2/NDF:5.3/7

Left: 0.022+/-0.018 χ^2/NDF: 23.9/17

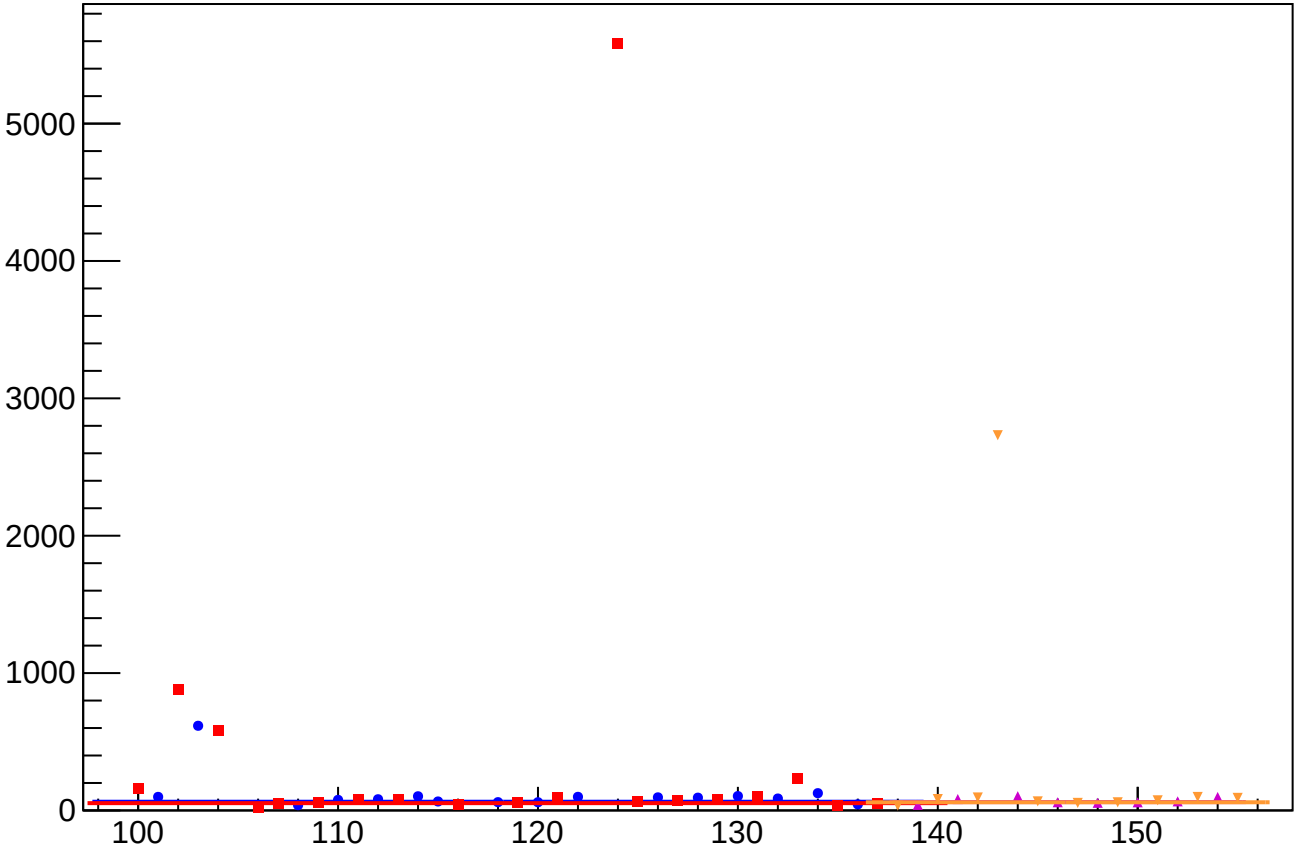
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.001+/-0.019 χ^2/NDF:18.6/23

Out: 0.045+/-0.018 χ^2/NDF:29.2/28

All: 0.024+/-0.013 χ^2/NDF: 51.1/52

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 59.542+/-0.018 χ^2/NDF:2943041.8/9

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 61.001+/-0.018 χ^2/NDF:1008341.6/7

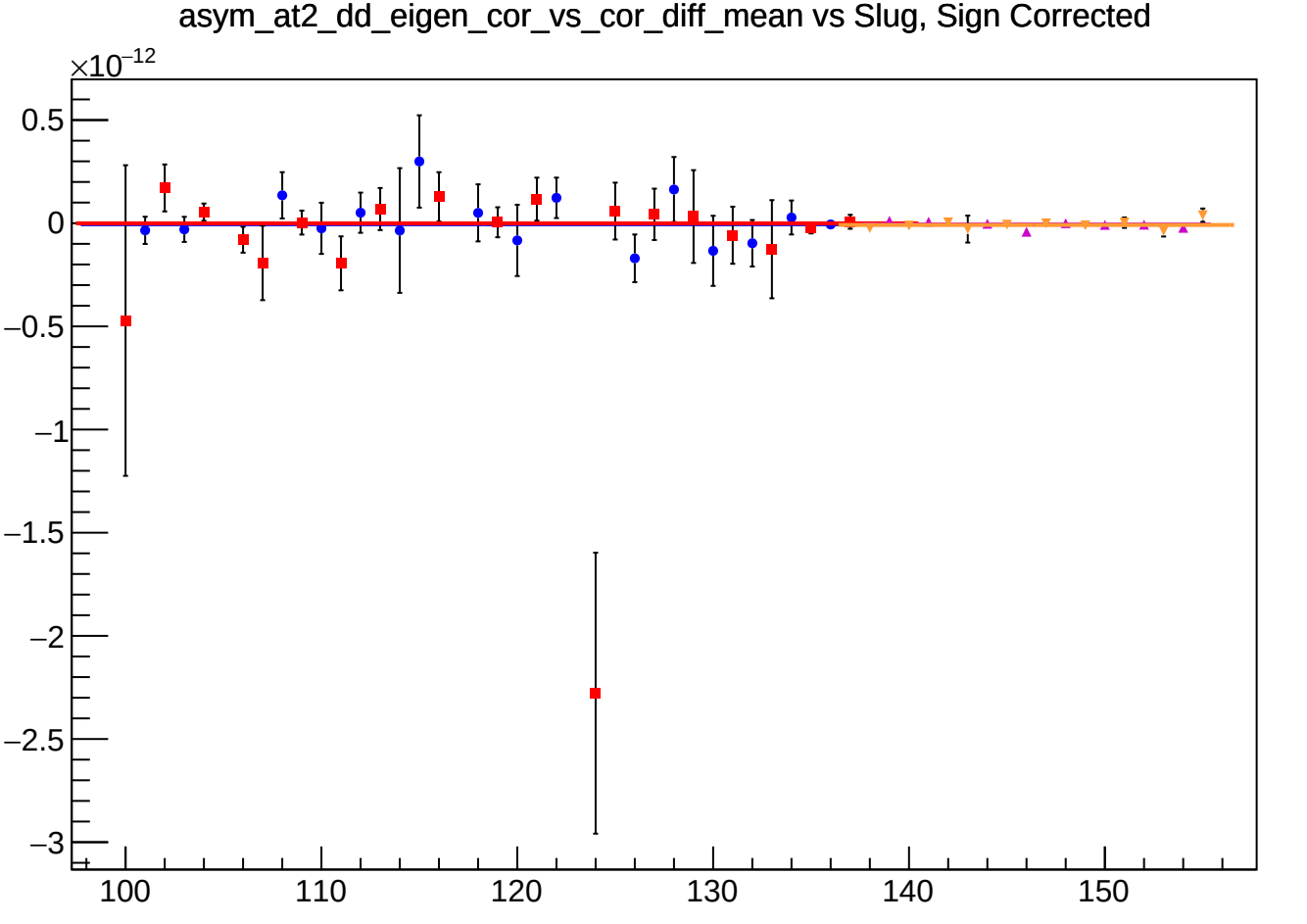
Left: 60.257+/-0.013 χ^2/NDF: 3954747.6/17

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 62.147+/-0.013 χ^2/NDF:3461448.9/23

Out: 56.364+/-0.012 χ^2/NDF:6954403.7/28

All: 59.098+/-0.009 χ^2/NDF: 10518129.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/9

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/7

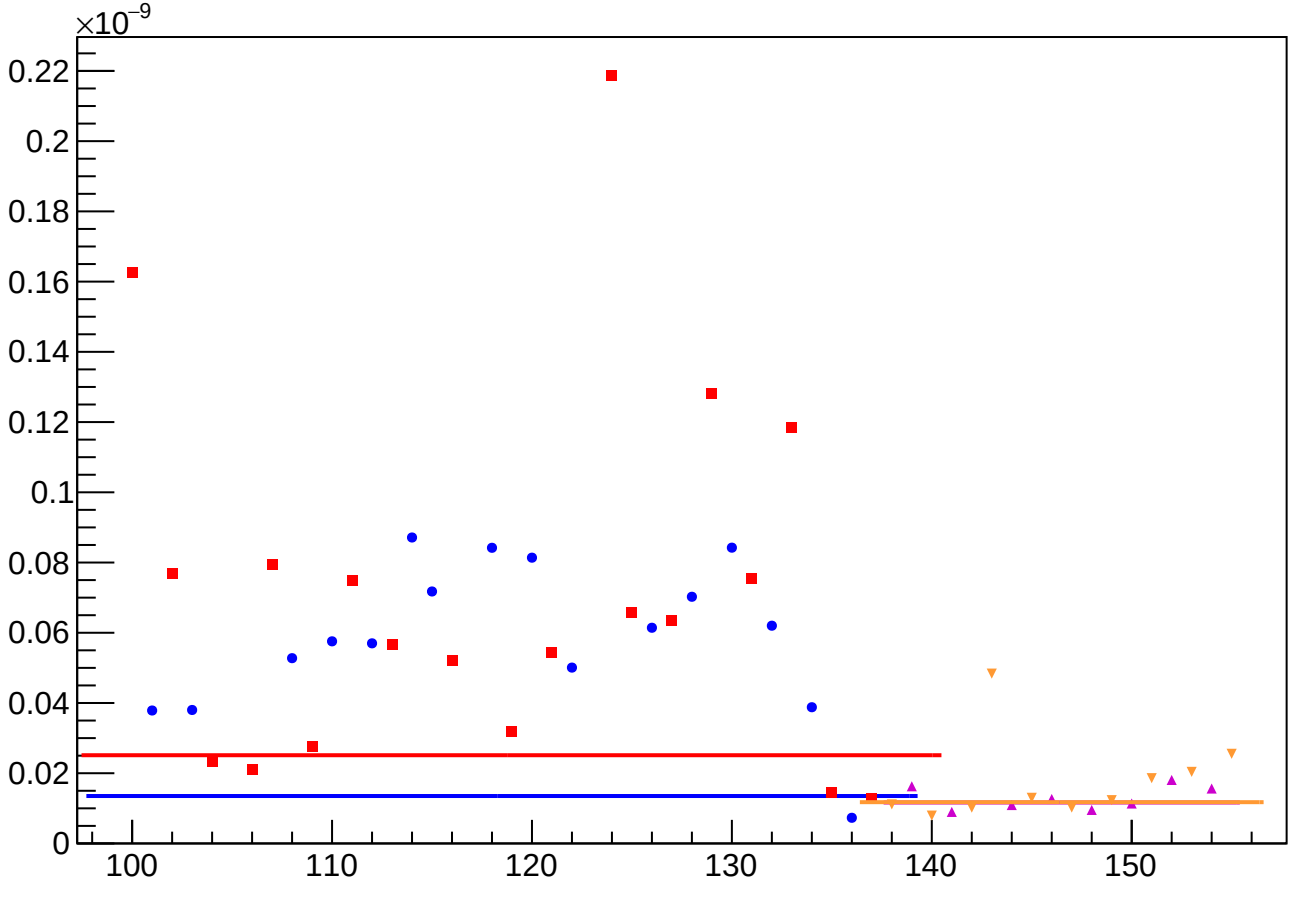
Left: -0.000+/-0.000 χ^2/NDF: 13.0/17

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:18.4/23

Out: -0.000+/-0.000 χ^2/NDF:30.7/28

All: -0.000+/-0.000 χ^2/NDF: 49.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1662012.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:481387.4/7

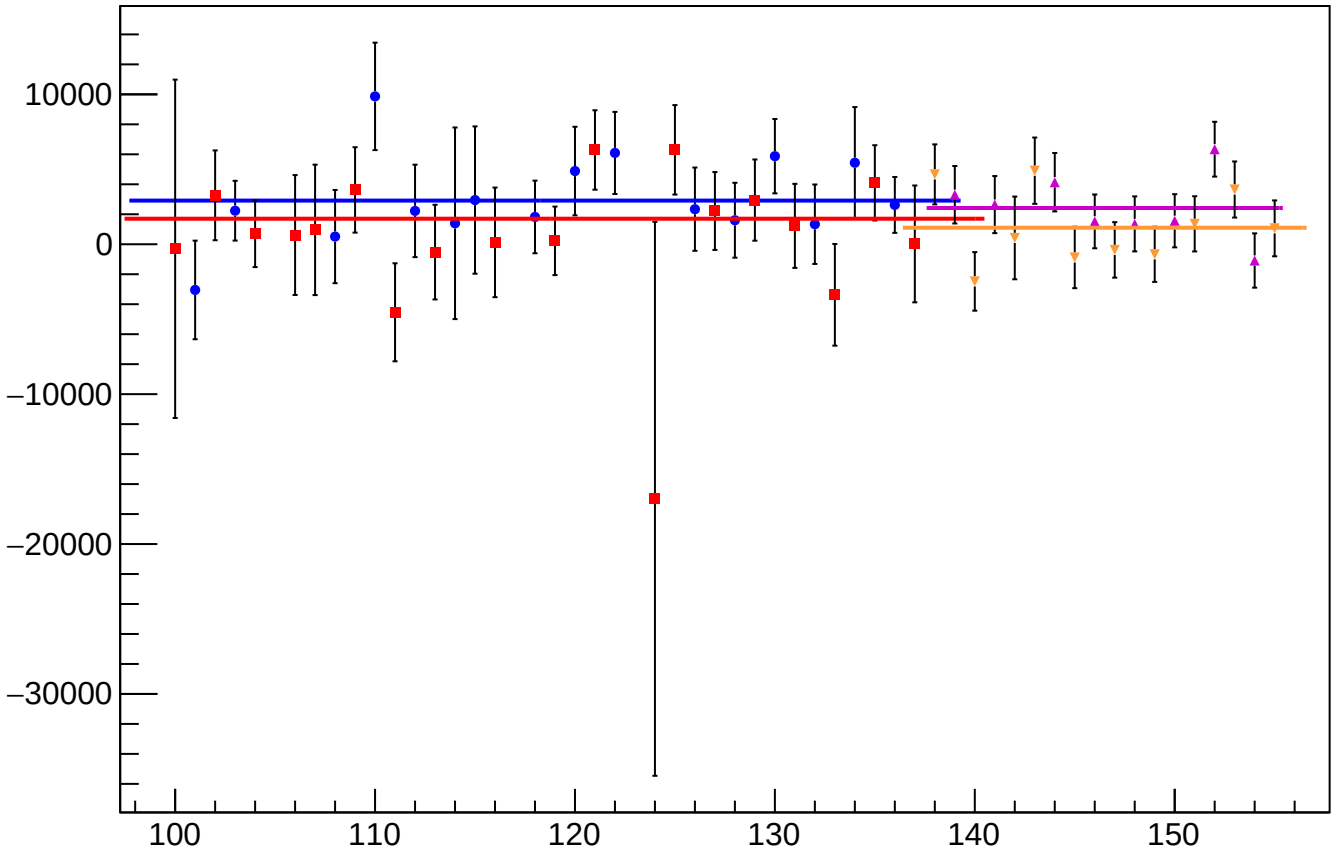
Left: 0.000+/-0.000 χ^2/NDF: 2143686.5/17

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5524669.6/23

Out: 0.000+/-0.000 χ^2/NDF:6631762.2/28

All: 0.000+/-0.000 χ^2/NDF: 12218393.7/52



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1102.796+/-627.364 χ^2/NDF:13.9/9

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2418.104+/-653.647 χ^2/NDF:10.2/7

Left: 1733.474+/-452.620 χ^2/NDF: 26.2/17

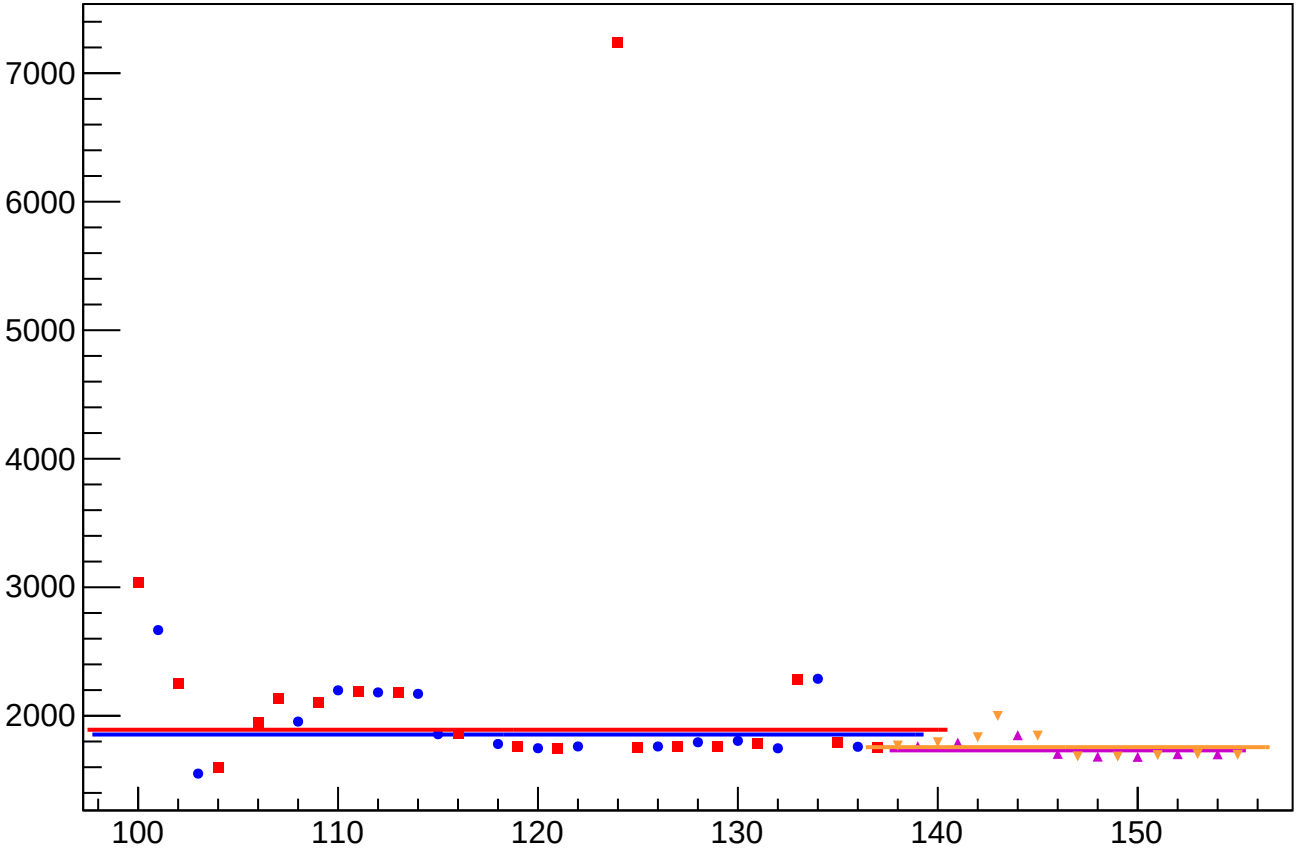
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2650.365+/-476.167 χ^2/NDF:22.9/23

Out: 1368.108+/-469.209 χ^2/NDF:30.2/28

All: 1999.800+/-334.213 χ^2/NDF: 56.7/52

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1755.950+/-0.444 χ^2/NDF:42535.6/9

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1731.087+/-0.462 χ^2/NDF:14457.4/7

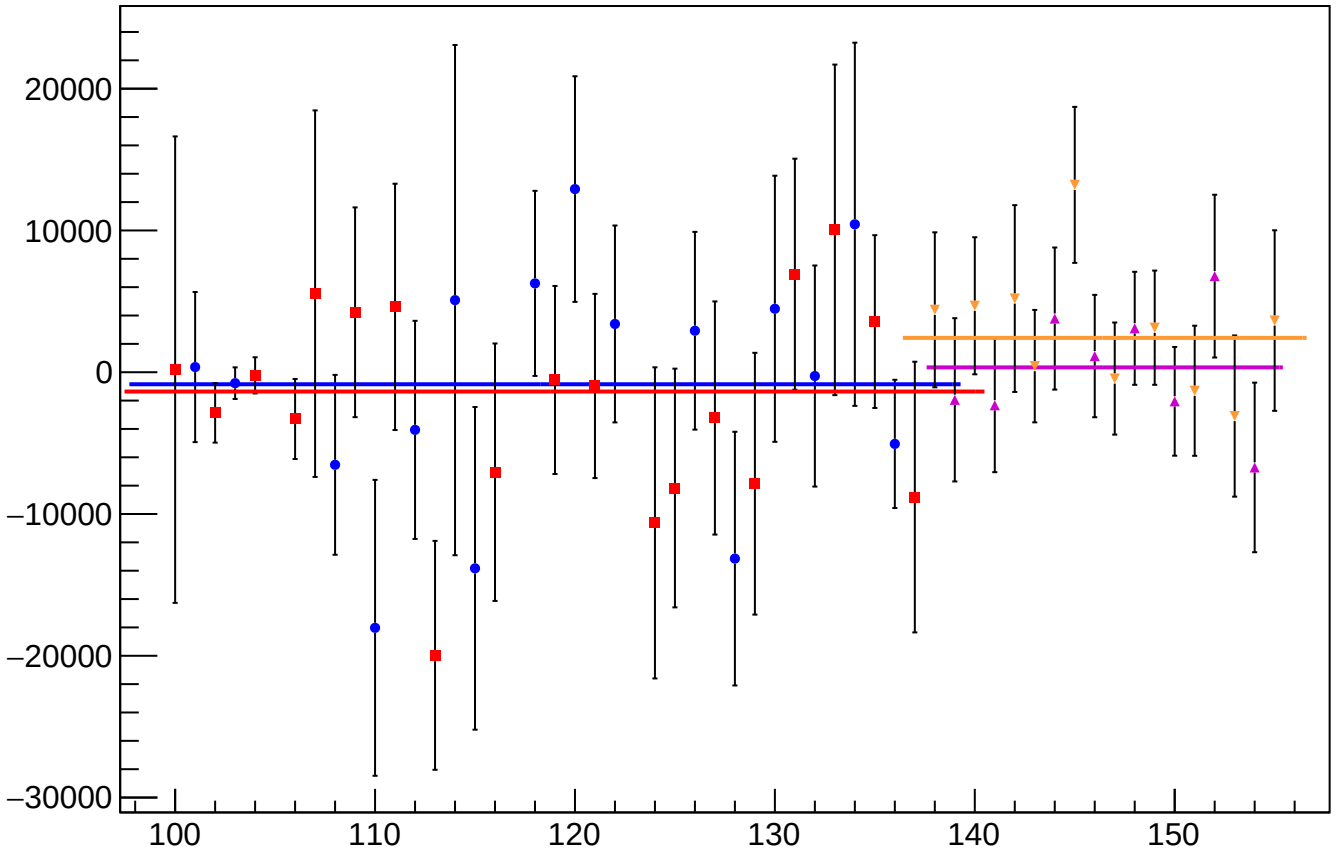
Left: 1744.029+/-0.320 χ^2/NDF: 58499.2/17

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1788.920+/-0.337 χ^2/NDF:311139.6/23

Out: 1815.820+/-0.331 χ^2/NDF:447814.8/28

All: 1802.582+/-0.236 χ^2/NDF: 762196.1/52



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 2423.130+/-1534.550 χ^2/NDF:6.8/9

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 341.370+/-1671.675 χ^2/NDF:4.5/7

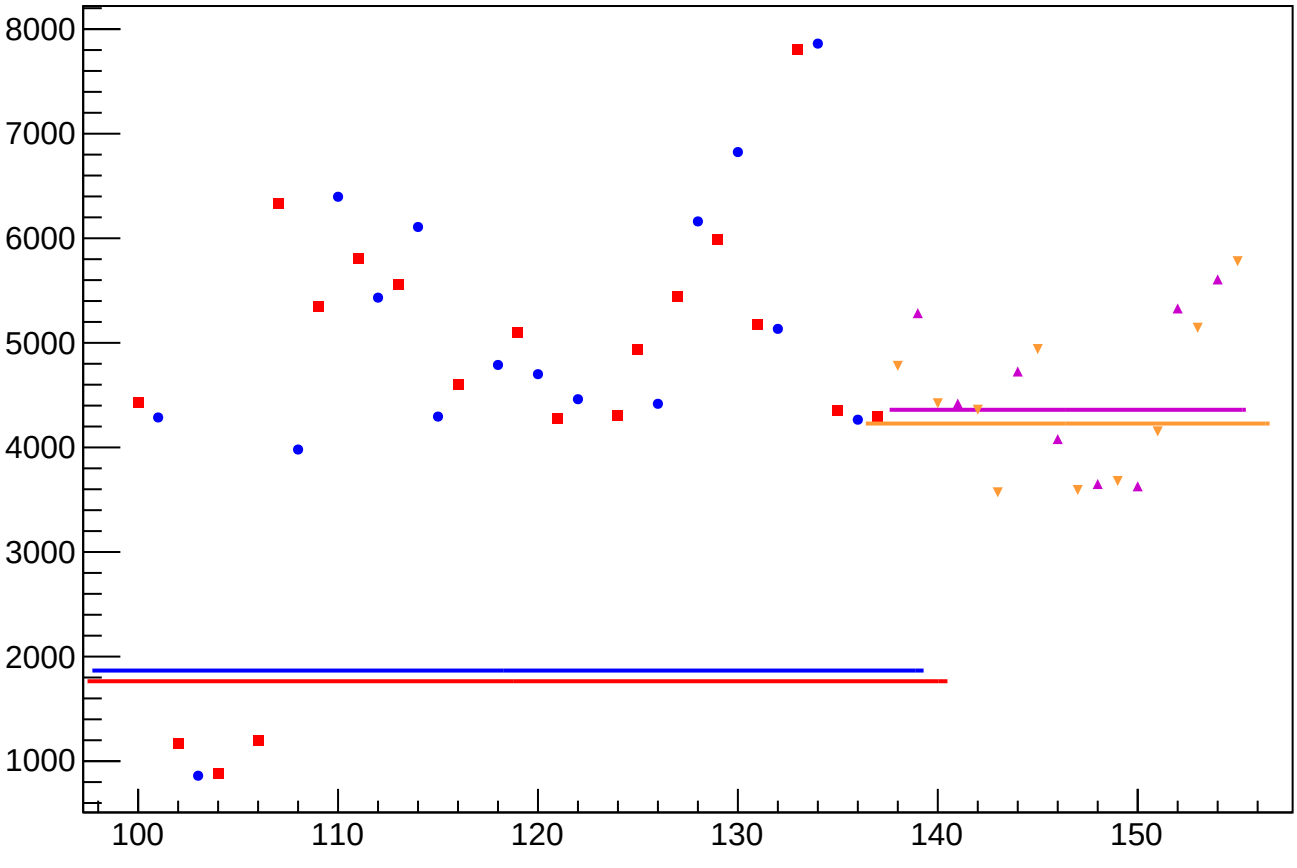
Left: 1471.121+/-1130.465 χ^2/NDF: 12.2/17

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -551.667+/-834.393 χ^2/NDF:18.7/23

Out: -367.393+/-786.483 χ^2/NDF:25.3/28

All: -454.088+/-572.316 χ^2/NDF: 44.1/52



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4228.341+/-1.085 χ^2/NDF:373112.3/9

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4359.976+/-1.182 χ^2/NDF:351056.2/7

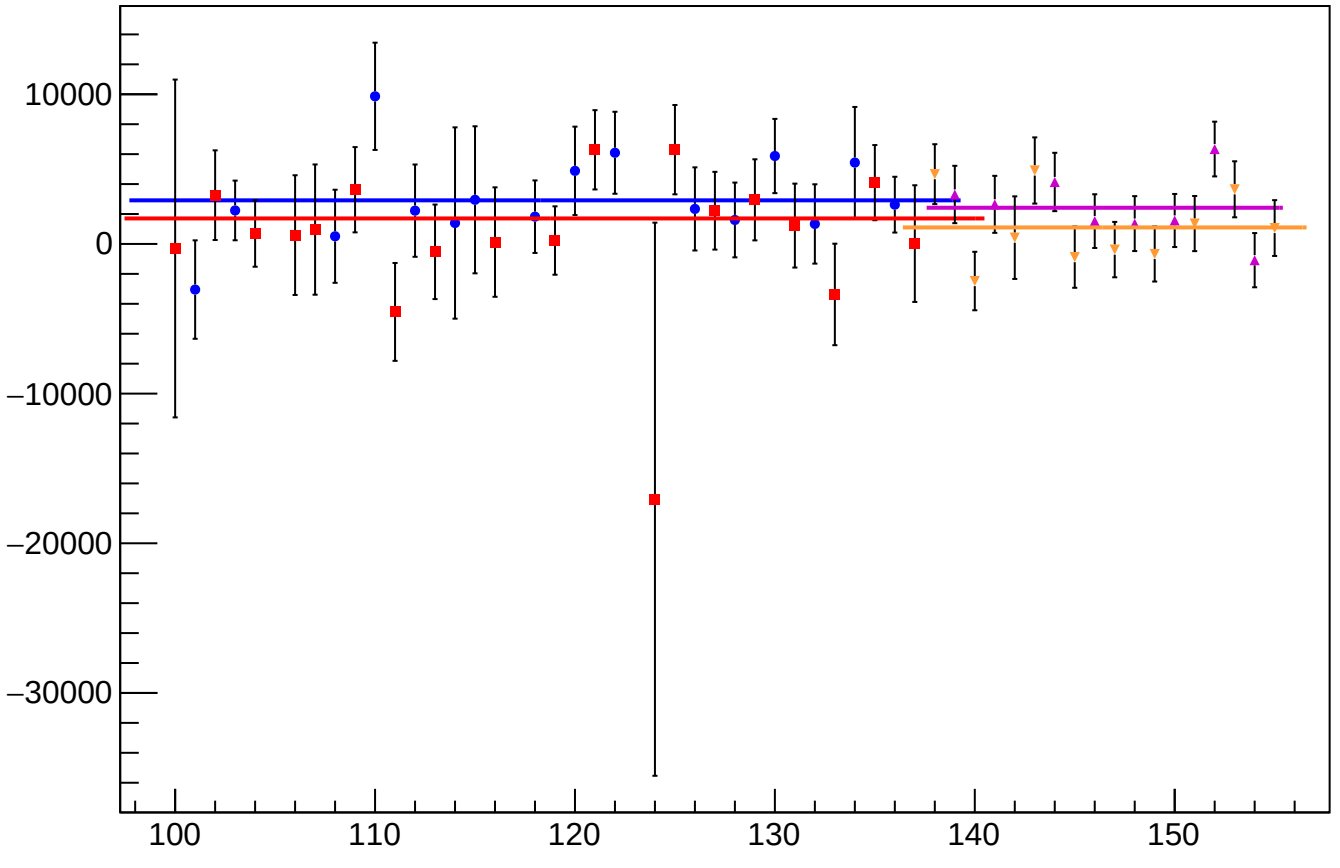
Left: 4288.539+/-0.799 χ^2/NDF: 730898.7/17

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2487.645+/-0.590 χ^2/NDF:10542113.5/23

Out: 2411.526+/-0.556 χ^2/NDF:10610074.4/28

All: 2447.337+/-0.405 χ^2/NDF: 21161001.9/5



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1102.671+/-627.364 χ^2/NDF:13.9/9

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2418.288+/-653.647 χ^2/NDF:10.2/7

Left: 1733.498+/-452.620 χ^2/NDF: 26.2/17

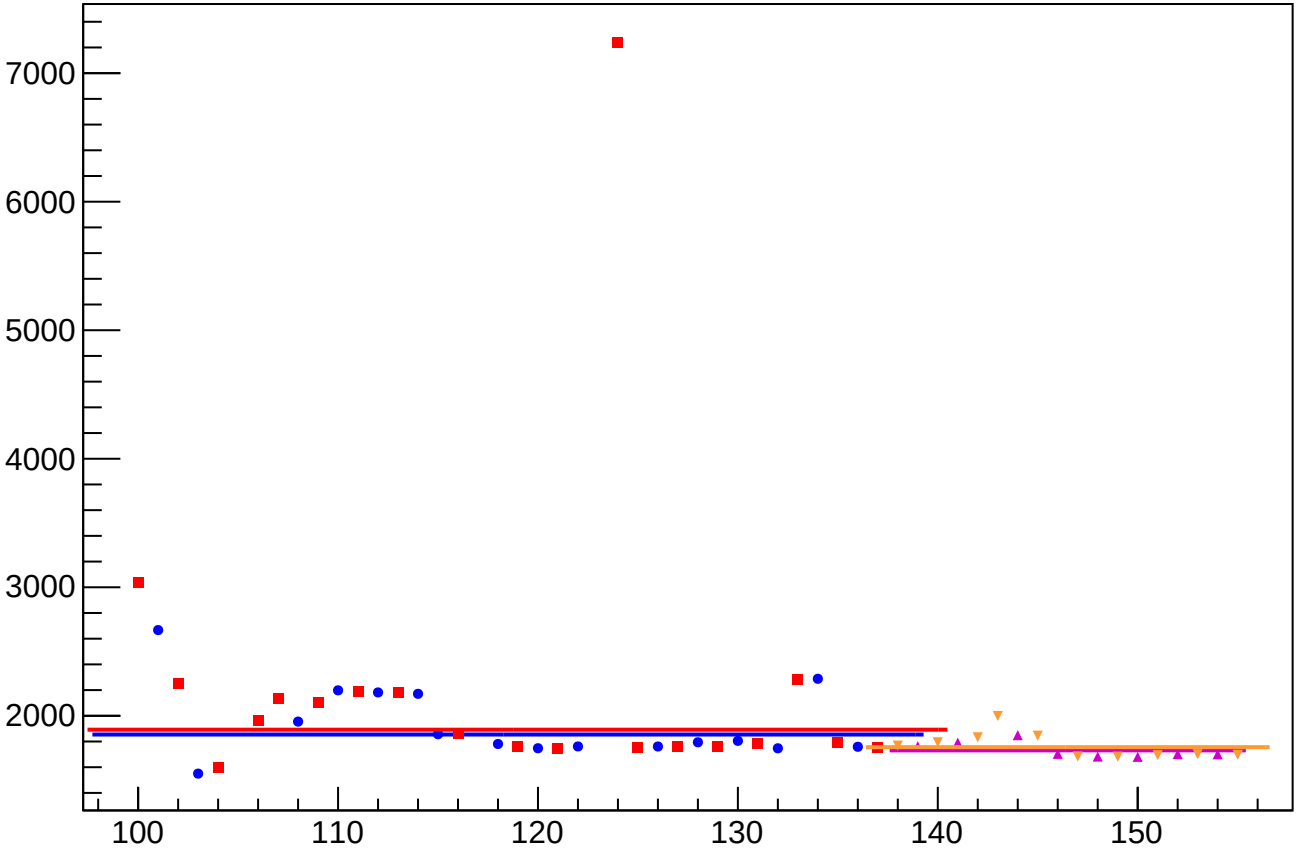
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2650.510+/-476.167 χ^2/NDF:22.9/23

Out: 1367.429+/-469.209 χ^2/NDF:30.2/28

All: 1999.527+/-334.214 χ^2/NDF: 56.7/52

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1755.950+/-0.444 χ^2/NDF:42535.6/9

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1731.087+/-0.462 χ^2/NDF:14457.4/7

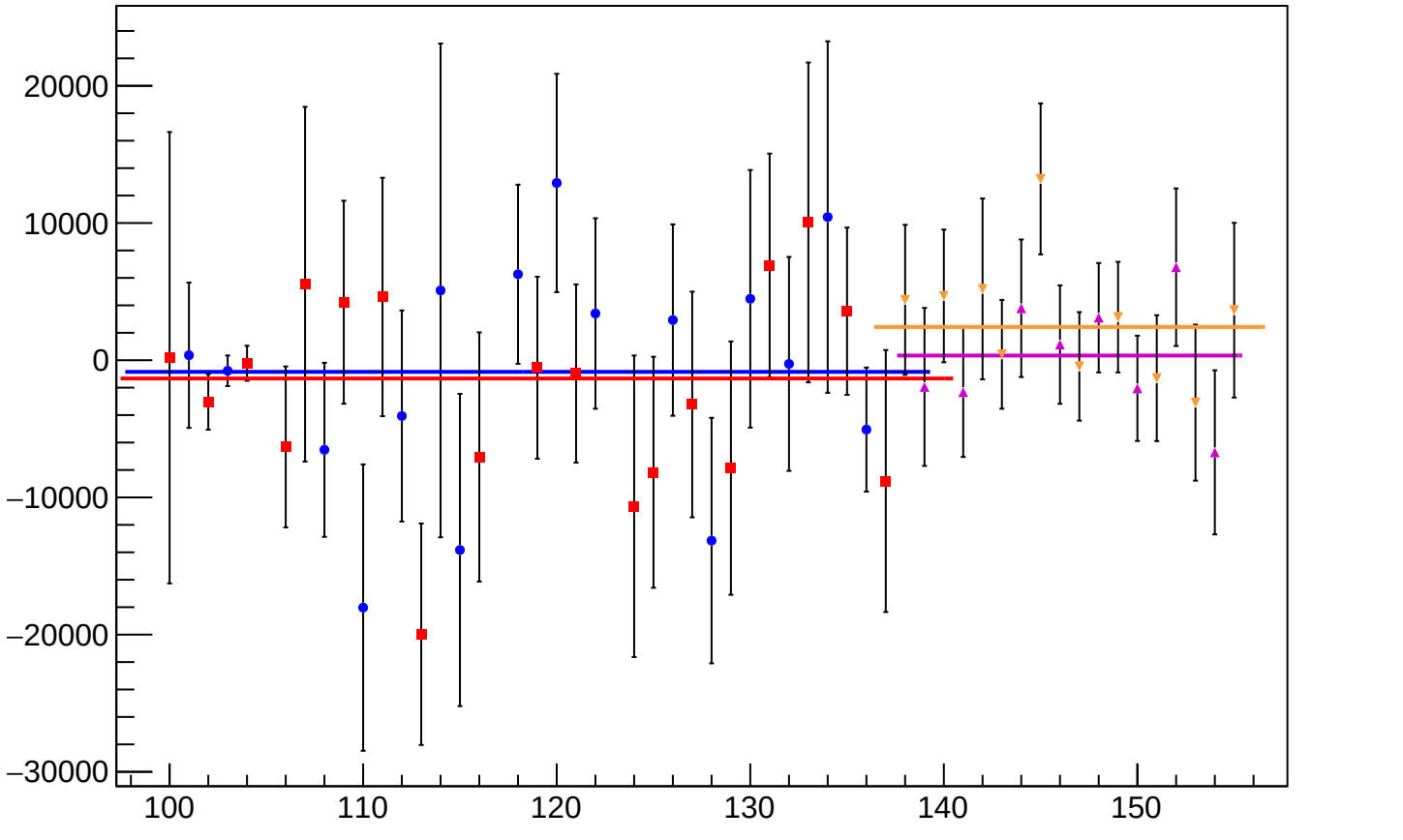
Left: 1744.029+/-0.320 χ^2/NDF: 58499.1/17

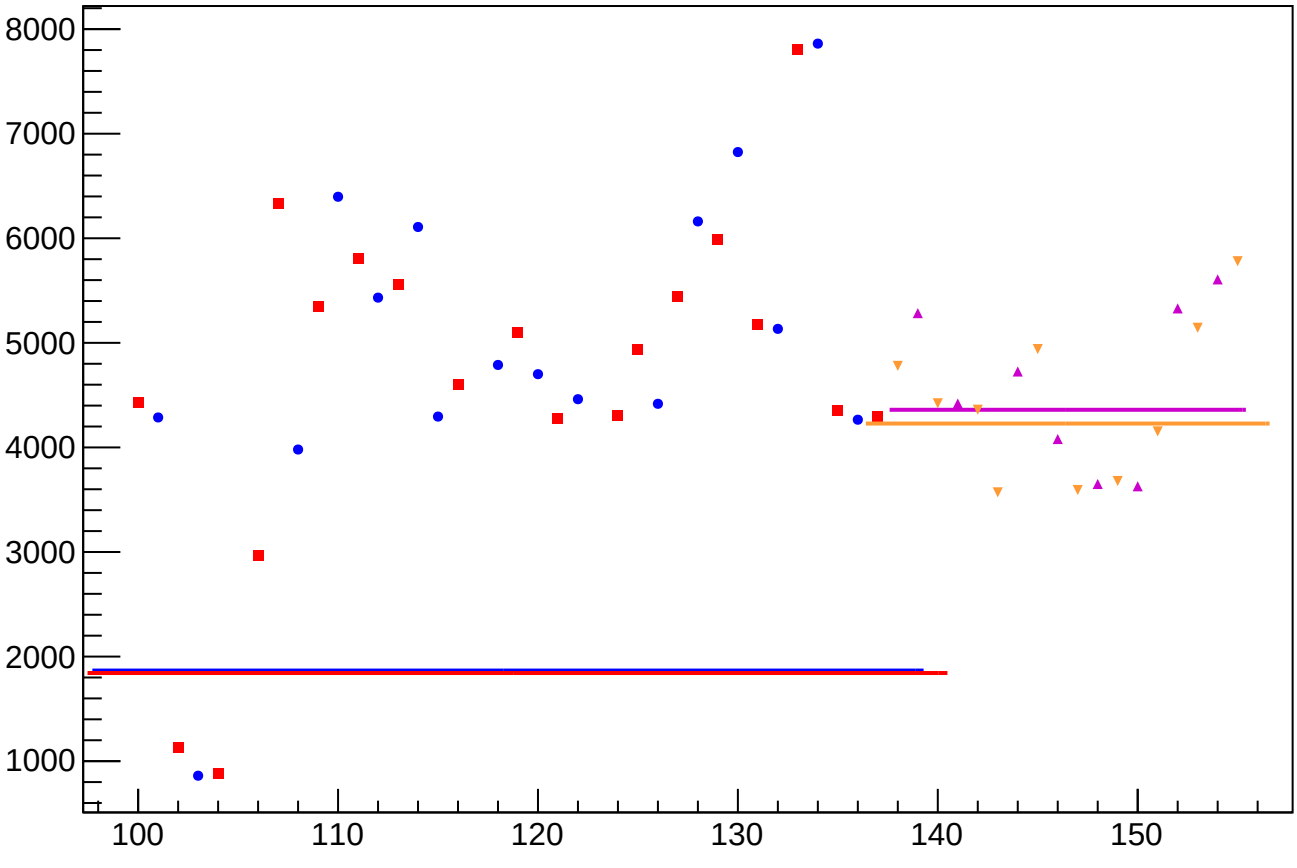
Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1788.920+/-0.337 χ^2/NDF:311139.5/23

Out: 1816.007+/-0.331 χ^2/NDF:448325.2/28

All: 1802.676+/-0.236 χ^2/NDF: 762751.4/52


asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -847.504+/-962.866 χ²/NDF: 13.9/15
Left Out: 2423.033+/-1534.548 χ²/NDF:6.8/9
Right Out: -1331.371+/-948.163 χ²/NDF: 14.4/18
Left In: 341.525+/-1671.674 χ²/NDF:4.5/7
Left: 1471.140+/-1130.464 χ²/NDF: 12.2/17
Right: -1093.160+/-675.591 χ²/NDF: 28.4/34
In: -551.297+/-834.358 χ²/NDF:18.7/23
Out: -294.059+/-806.612 χ²/NDF:25.6/28
All: -418.330+/-579.922 χ²/NDF: 44.4/52



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4228.334+/-1.085 χ^2/NDF:373120.2/9

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4359.973+/-1.182 χ^2/NDF:351061.5/7

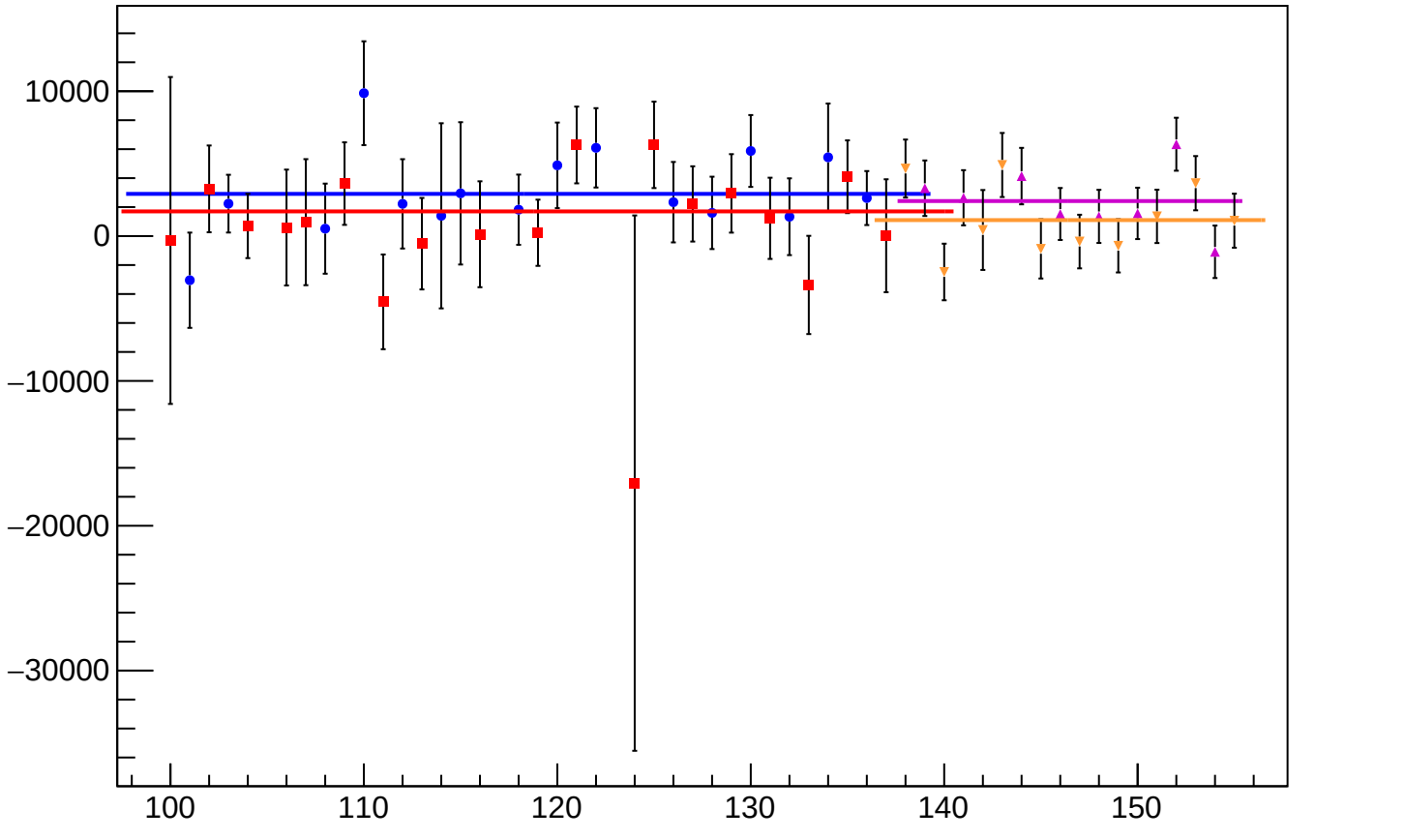
Left: 4288.534+/-0.799 χ^2/NDF: 730912.2/17

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2487.478+/-0.590 χ^2/NDF:10543039.5/23

Out: 2501.963+/-0.570 χ^2/NDF:10329206.1/28

All: 2494.965+/-0.410 χ^2/NDF: 20872557.2/5



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1102.671+/-627.364 χ^2/NDF:13.9/9

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2418.288+/-653.647 χ^2/NDF:10.2/7

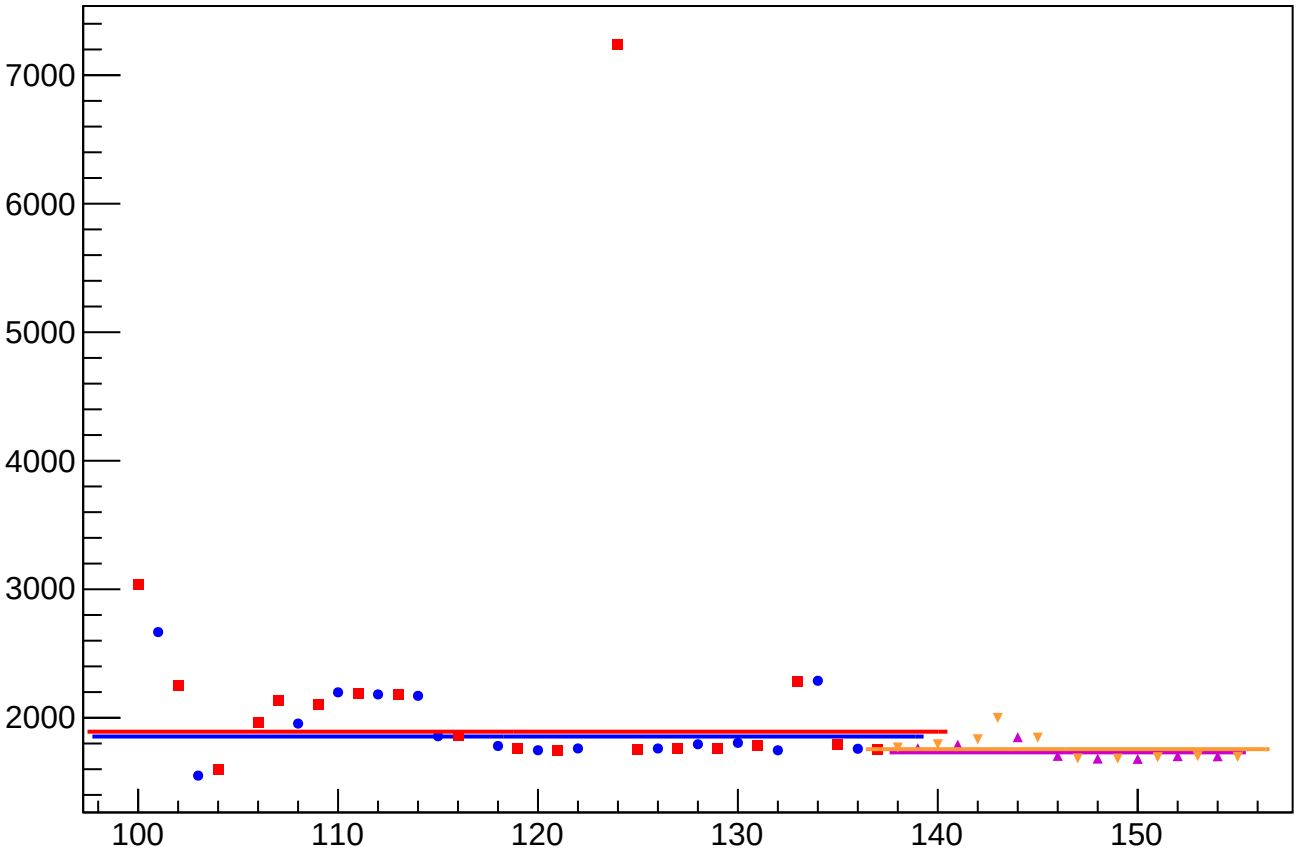
Left: 1733.498+/-452.620 χ^2/NDF: 26.2/17

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2650.510+/-476.167 χ^2/NDF:22.9/23

Out: 1367.429+/-469.209 χ^2/NDF:30.2/28

All: 1999.527+/-334.214 χ^2/NDF: 56.7/52



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1755.950+/-0.444 χ^2/NDF:42535.6/9

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1731.087+/-0.462 χ^2/NDF:14457.4/7

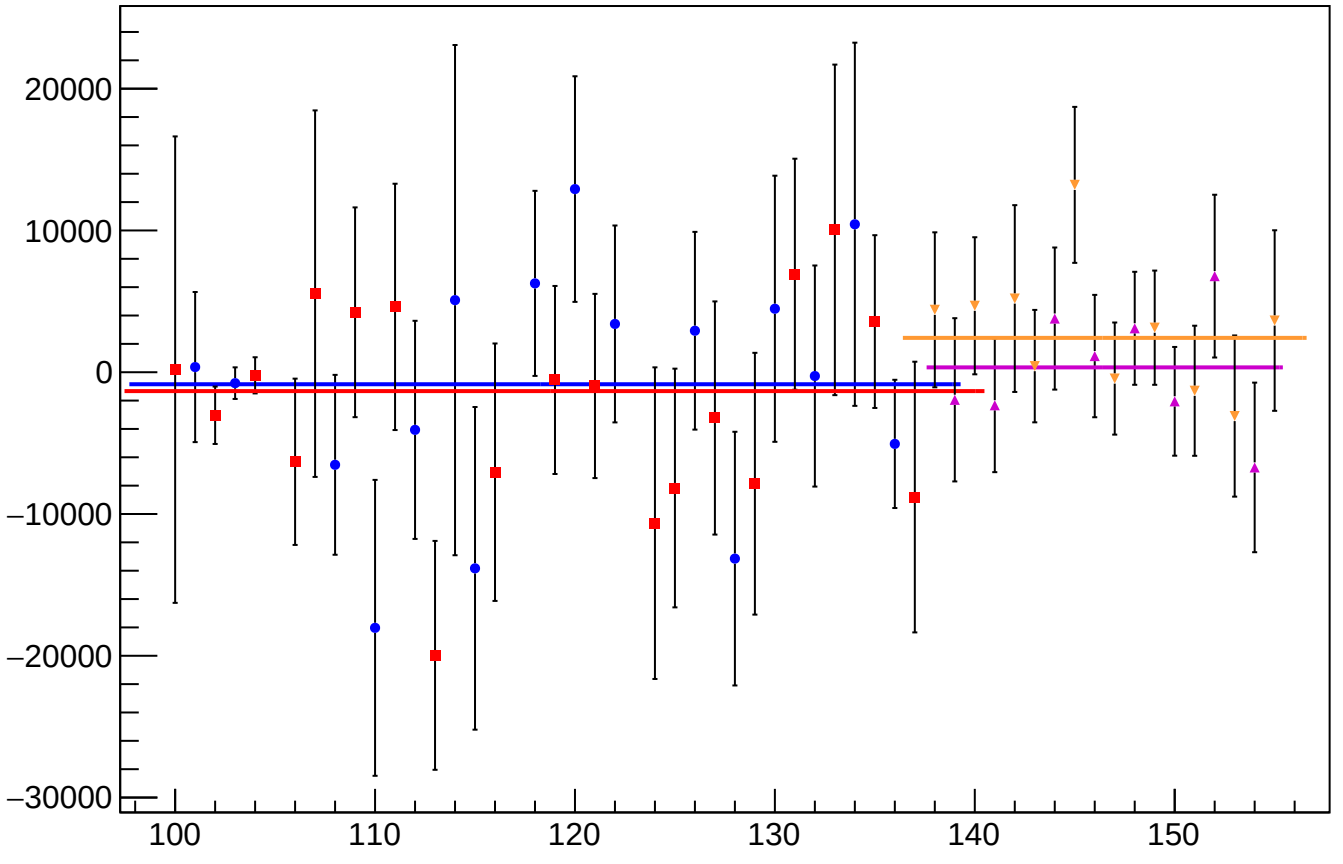
Left: 1744.029+/-0.320 χ^2/NDF: 58499.1/17

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1788.920+/-0.337 χ^2/NDF:311139.5/23

Out: 1816.007+/-0.331 χ^2/NDF:448325.2/28

All: 1802.676+/-0.236 χ^2/NDF: 762751.4/52



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 2423.033+/-1534.548 χ^2/NDF:6.8/9

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 341.525+/-1671.674 χ^2/NDF:4.5/7

Left: 1471.140+/-1130.464 χ^2/NDF: 12.2/17

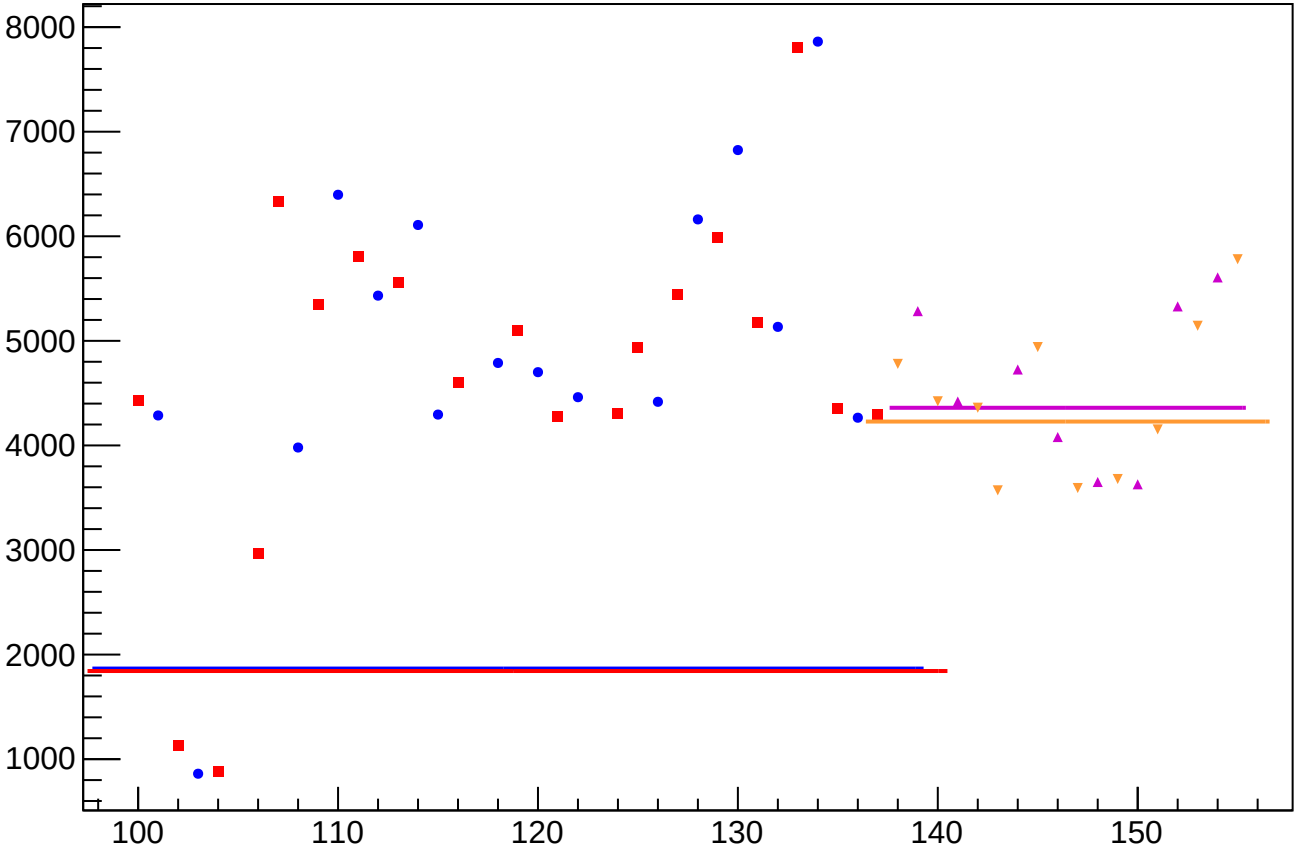
Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -551.297+/-834.358 χ^2/NDF:18.7/23

Out: -294.059+/-806.612 χ^2/NDF:25.6/28

All: -418.330+/-579.922 χ^2/NDF: 44.4/52

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: 4228.334+/-1.085 χ^2/NDF:373120.2/9

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4359.973+/-1.182 χ^2/NDF:351061.5/7

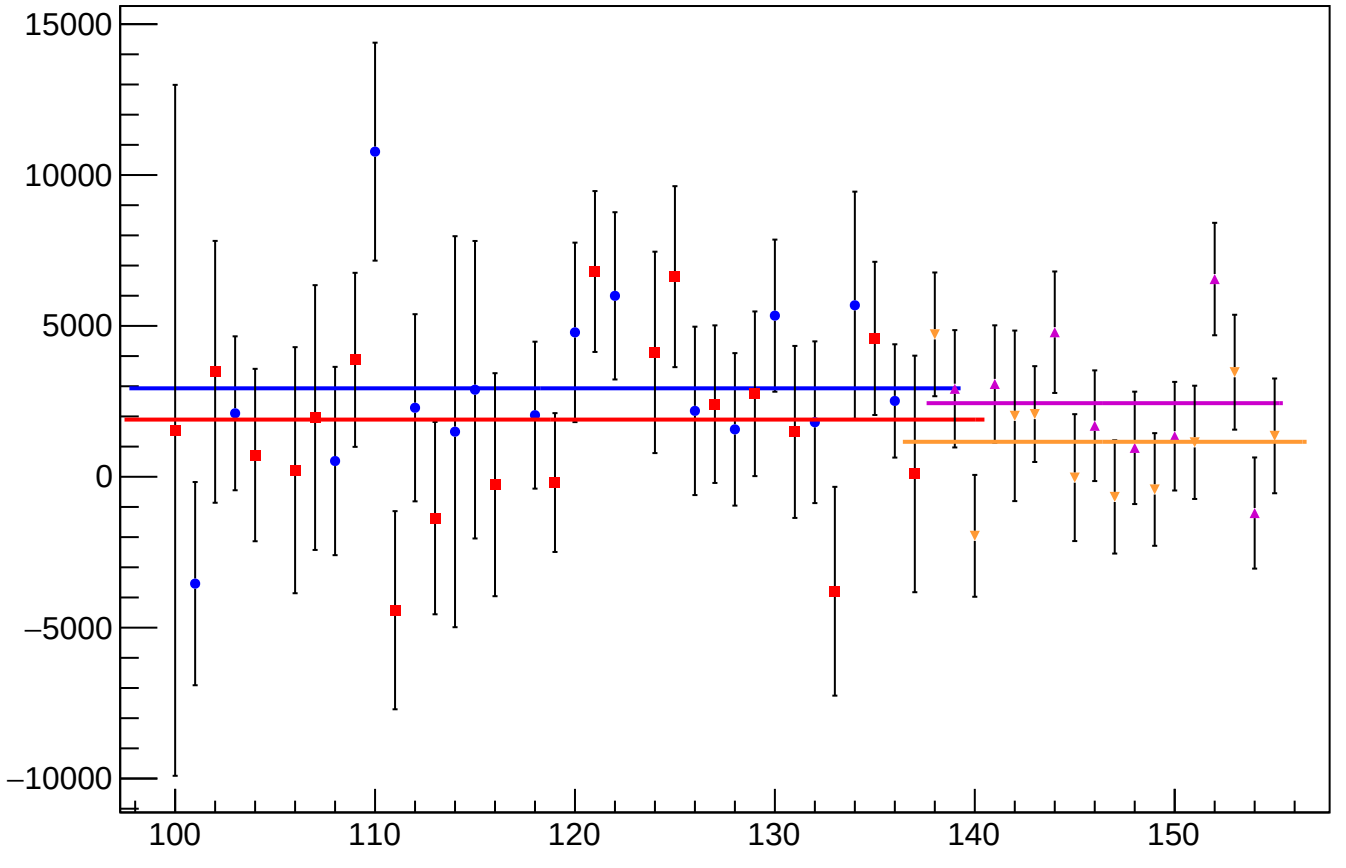
Left: 4288.534+/-0.799 χ^2/NDF: 730912.2/17

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2487.478+/-0.590 χ^2/NDF:10543039.5/23

Out: 2501.963+/-0.570 χ^2/NDF:10329206.1/28

All: 2494.965+/-0.410 χ^2/NDF: 20872557.2/5



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1159.174+/-615.639 χ^2/NDF:9.3/9

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2439.355+/-666.168 χ^2/NDF:11.5/7

Left: 1748.877+/-452.132 χ^2/NDF: 22.8/17

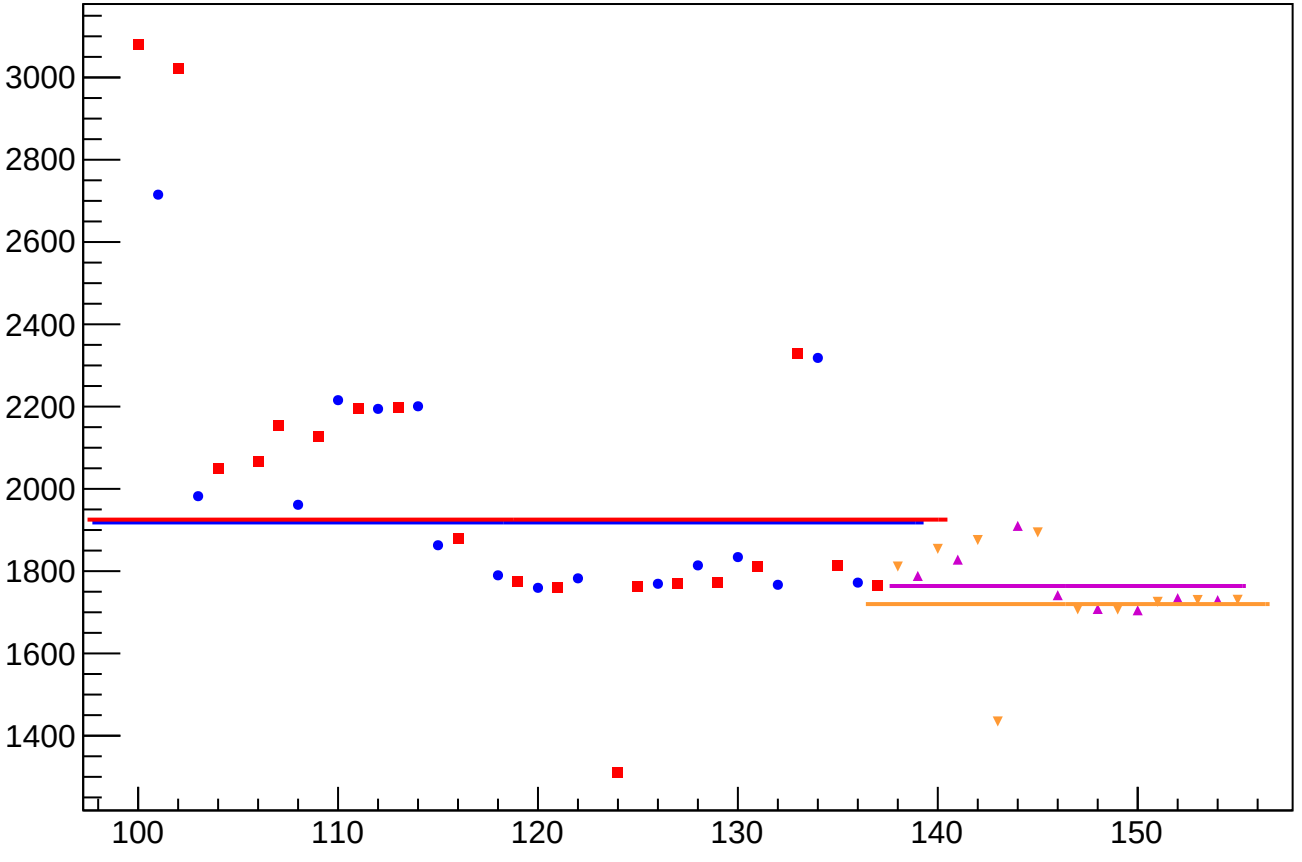
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2667.008+/-488.445 χ^2/NDF:24.7/23

Out: 1469.180+/-468.445 χ^2/NDF:27.3/28

All: 2043.070+/-338.090 χ^2/NDF: 55.1/52

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1719.959+/-0.435 χ^2/NDF:97506.1/9

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1763.918+/-0.471 χ^2/NDF:18469.8/7

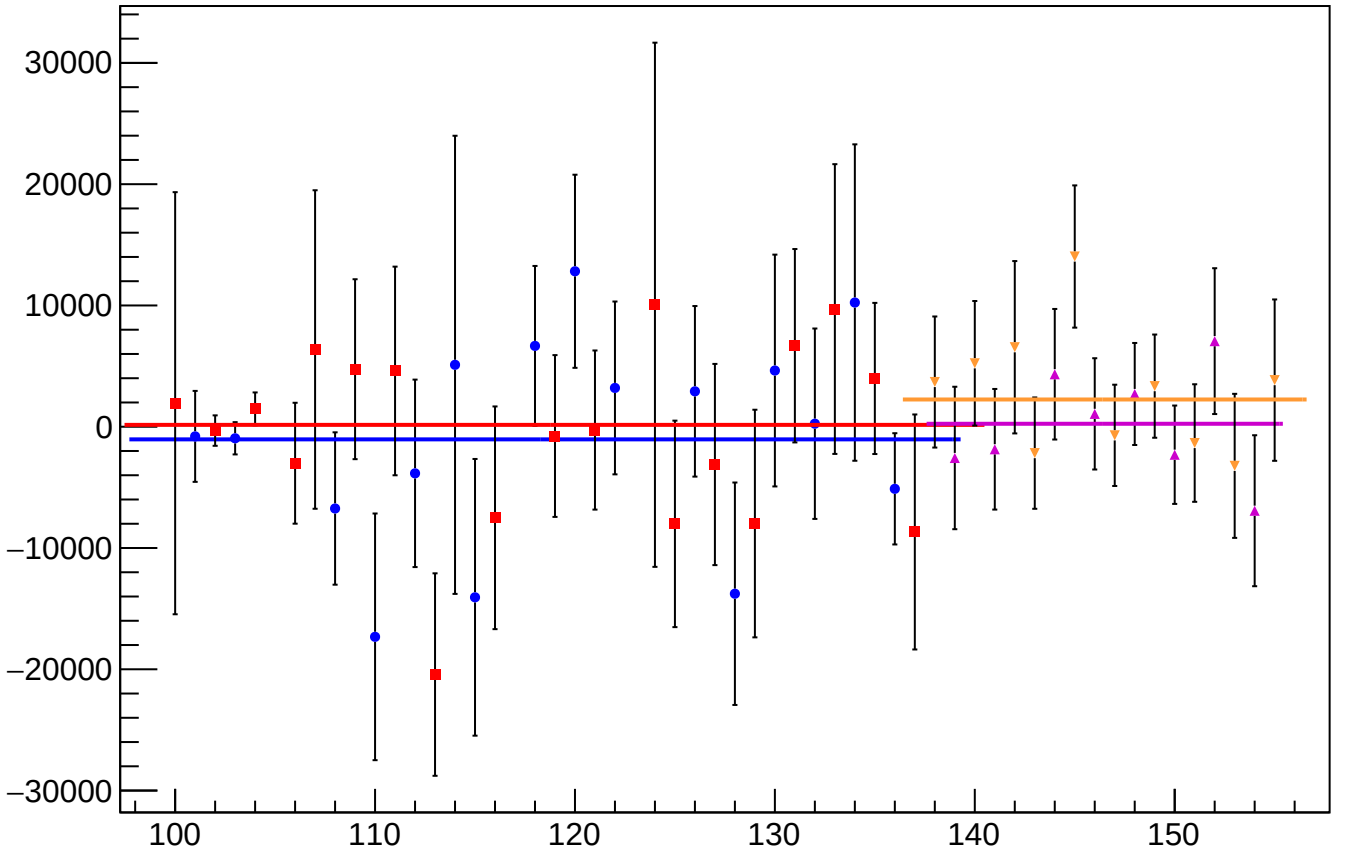
Left: 1740.208+/-0.320 χ^2/NDF: 120673.0/17

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1835.335+/-0.345 χ^2/NDF:283773.0/23

Out: 1806.476+/-0.331 χ^2/NDF:530329.5/28

All: 1820.298+/-0.239 χ^2/NDF: 817740.2/52



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 2246.530+/-1633.924 χ^2/NDF:7.8/9

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 244.418+/-1761.684 χ^2/NDF:4.4/7

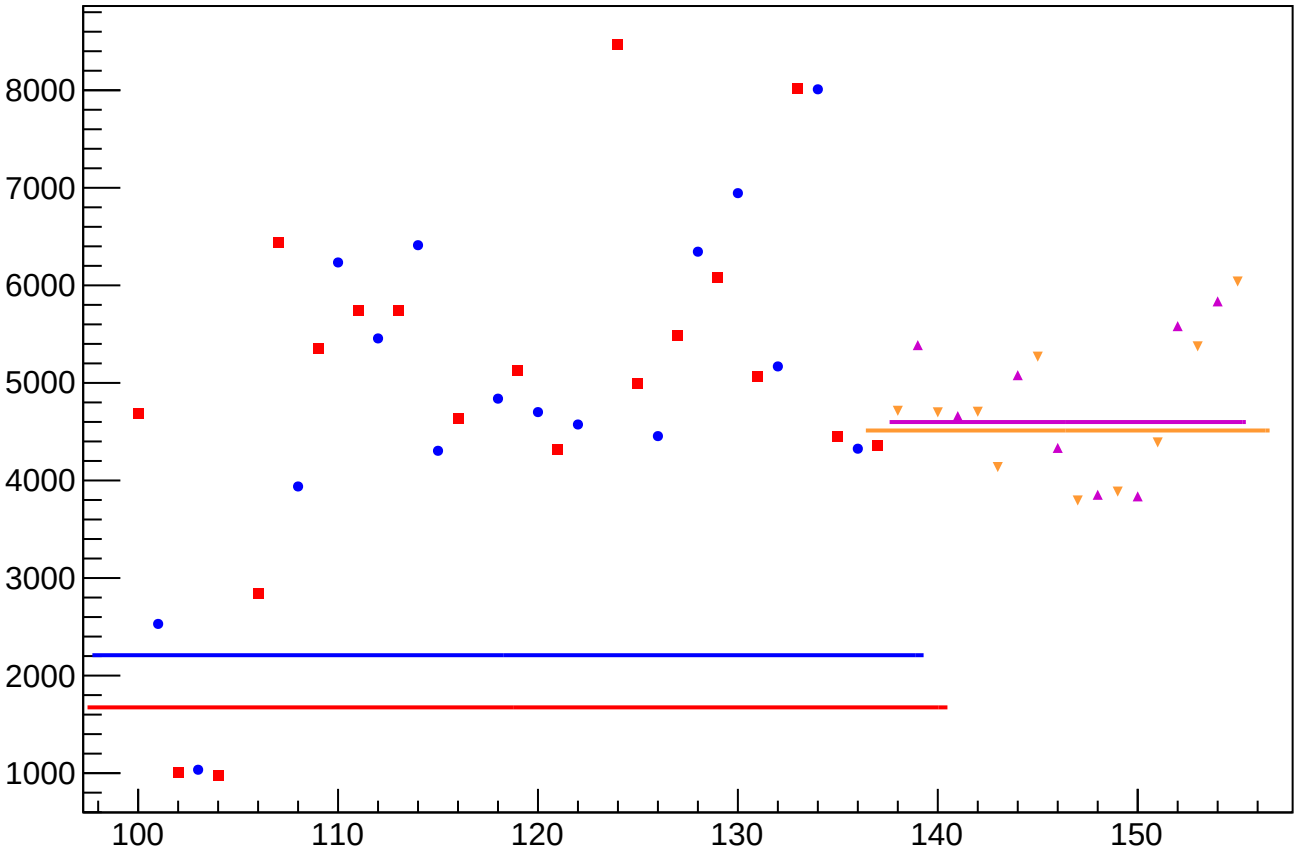
Left: 1320.698+/-1197.981 χ^2/NDF: 12.8/17

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -694.120+/-916.030 χ^2/NDF:18.6/23

Out: 587.560+/-743.997 χ^2/NDF:22.8/28

All: 78.132+/-577.512 χ^2/NDF: 42.6/52



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4512.275+/-1.155 χ^2/NDF:304705.3/9

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4598.983+/-1.246 χ^2/NDF:324767.6/7

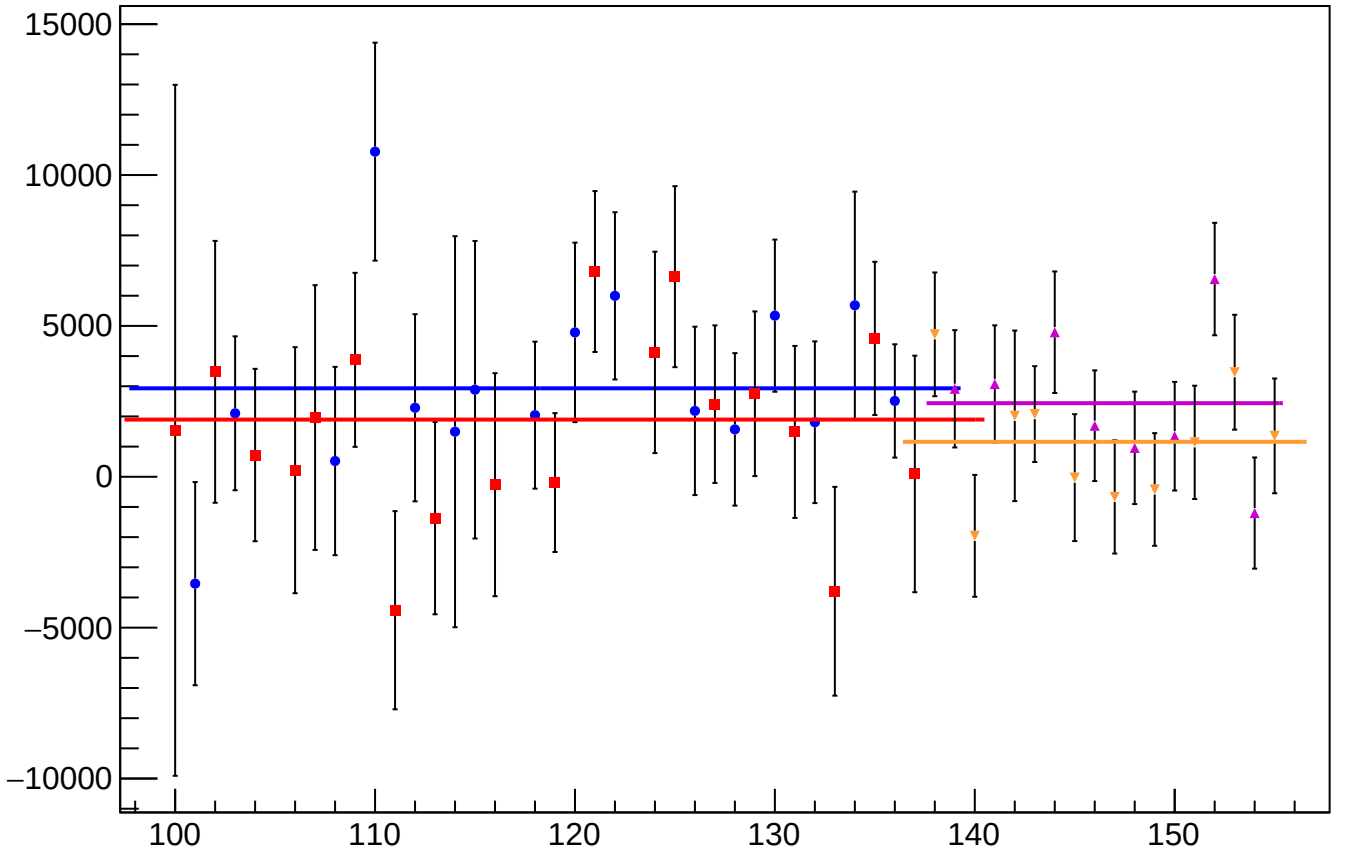
Left: 4552.371+/-0.847 χ^2/NDF: 632077.4/17

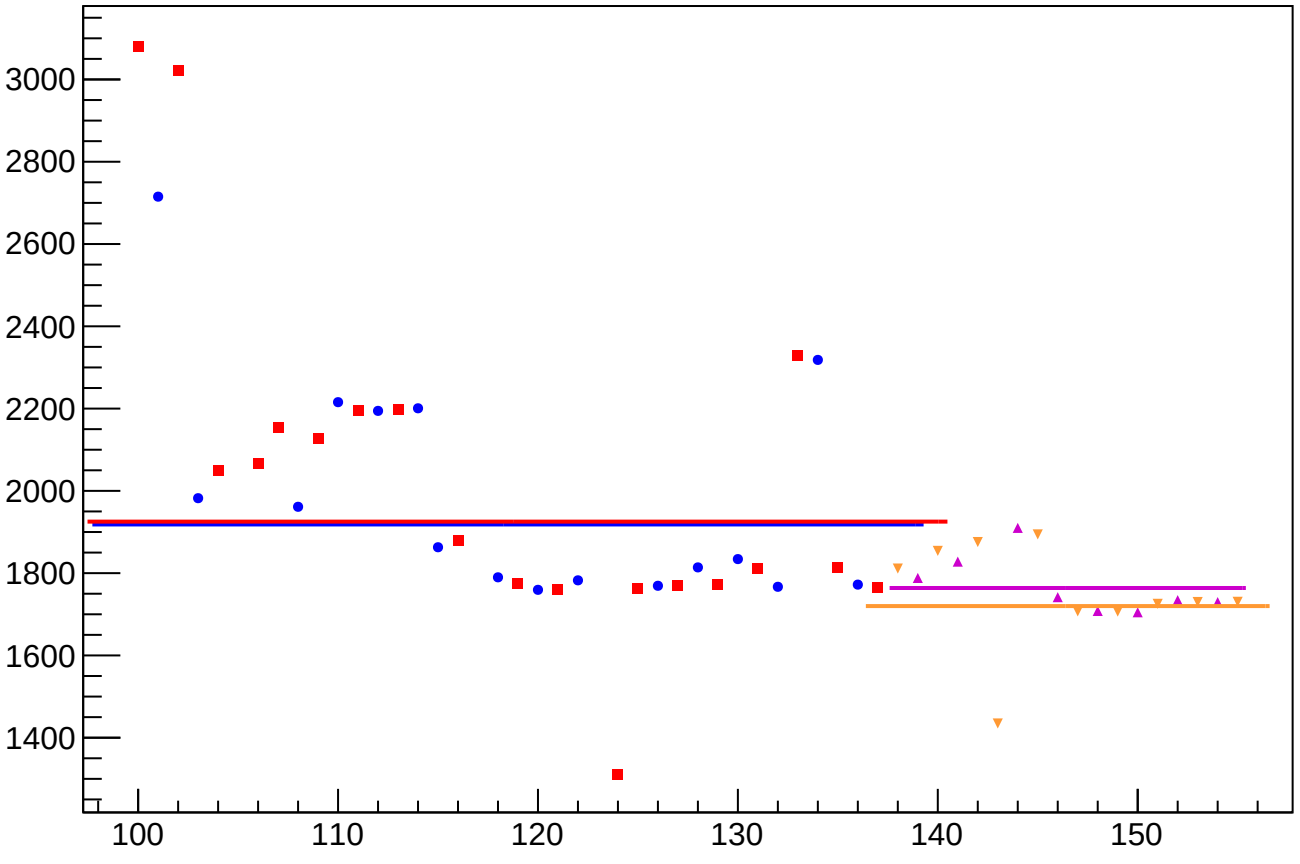
Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2855.123+/-0.648 χ^2/NDF:8509721.1/23

Out: 2262.611+/-0.526 χ^2/NDF:11941065.8/28

All: 2498.116+/-0.408 χ^2/NDF: 20954965.8/5


eigen_dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 2931.693+/-718.305 χ²/NDF: 13.0/15
Left Out: 1159.169+/-615.639 χ²/NDF:9.3/9
Right Out: 1895.508+/-721.953 χ²/NDF: 17.4/18
Left In: 2439.352+/-666.168 χ²/NDF:11.5/7
Left: 1748.874+/-452.132 χ²/NDF: 22.8/17
Right: 2416.225+/-509.203 χ²/NDF: 31.4/34
In: 2667.008+/-488.445 χ²/NDF:24.7/23
Out: 1469.181+/-468.445 χ²/NDF:27.3/28
All: 2043.070+/-338.090 χ²/NDF: 55.1/52



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1719.960+/-0.435 χ^2/NDF:97505.2/9

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1763.919+/-0.471 χ^2/NDF:18469.8/7

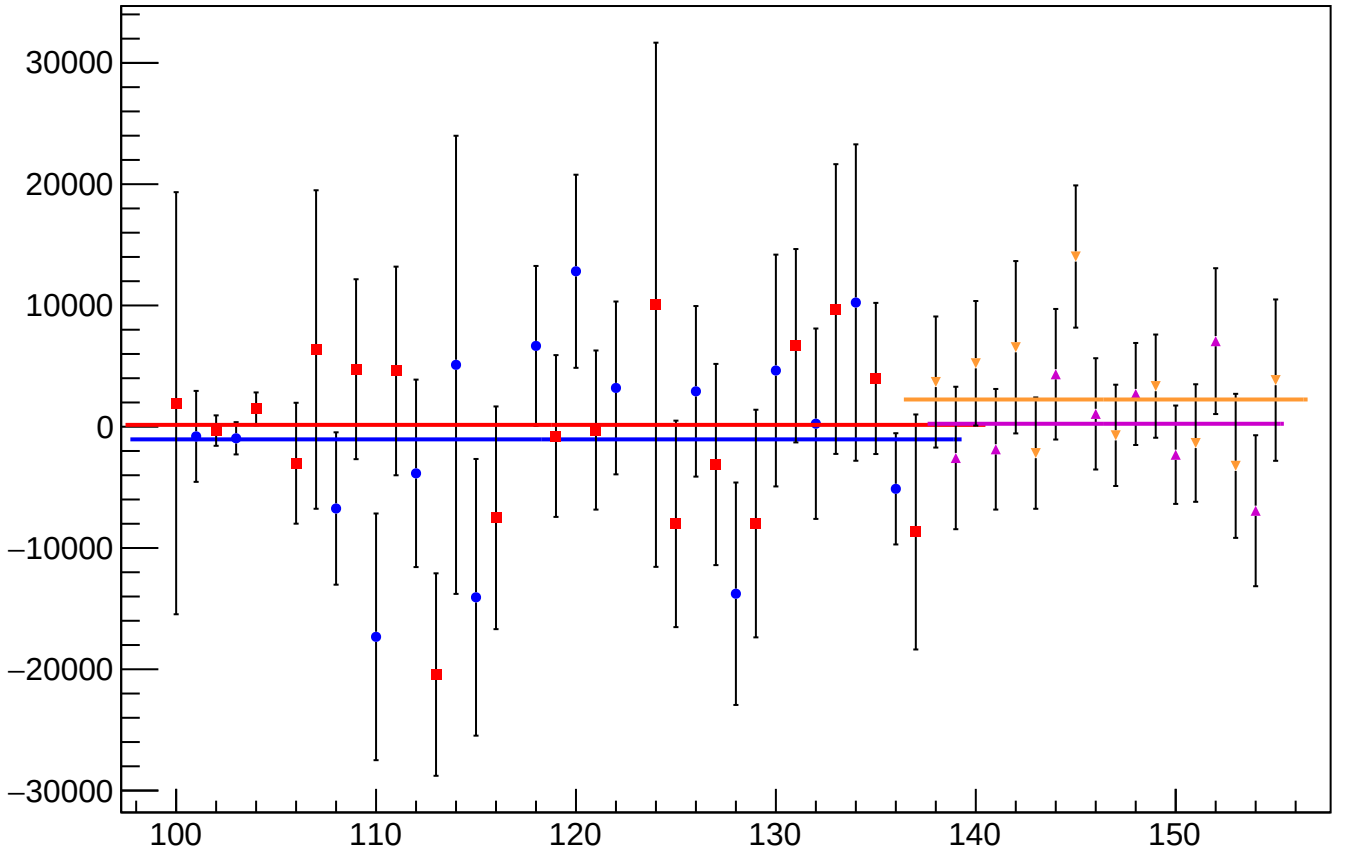
Left: 1740.209+/-0.320 χ^2/NDF: 120672.0/17

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1835.335+/-0.345 χ^2/NDF:283772.2/23

Out: 1806.477+/-0.331 χ^2/NDF:530326.2/28

All: 1820.298+/-0.239 χ^2/NDF: 817736.0/52



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 2246.529+/-1633.926 χ^2/NDF:7.8/9

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 244.415+/-1761.686 χ^2/NDF:4.4/7

Left: 1320.695+/-1197.983 χ^2/NDF: 12.8/17

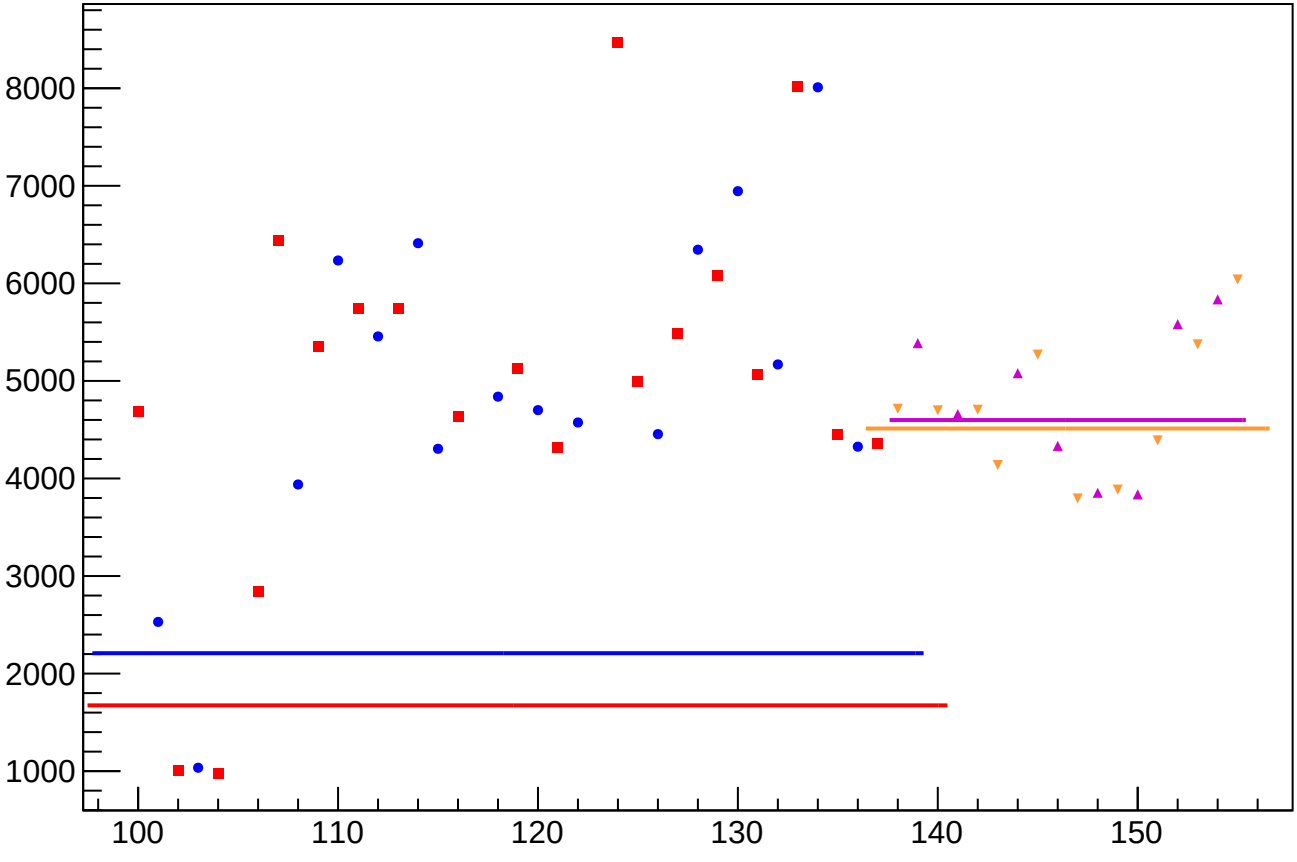
Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -694.120+/-916.030 χ^2/NDF:18.6/23

Out: 587.554+/-743.997 χ^2/NDF:22.8/28

All: 78.128+/-577.512 χ^2/NDF: 42.6/52

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4512.281+/-1.155 χ^2/NDF:304703.9/9

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4598.990+/-1.246 χ^2/NDF:324765.6/7

Left: 4552.378+/-0.847 χ^2/NDF: 632074.0/17

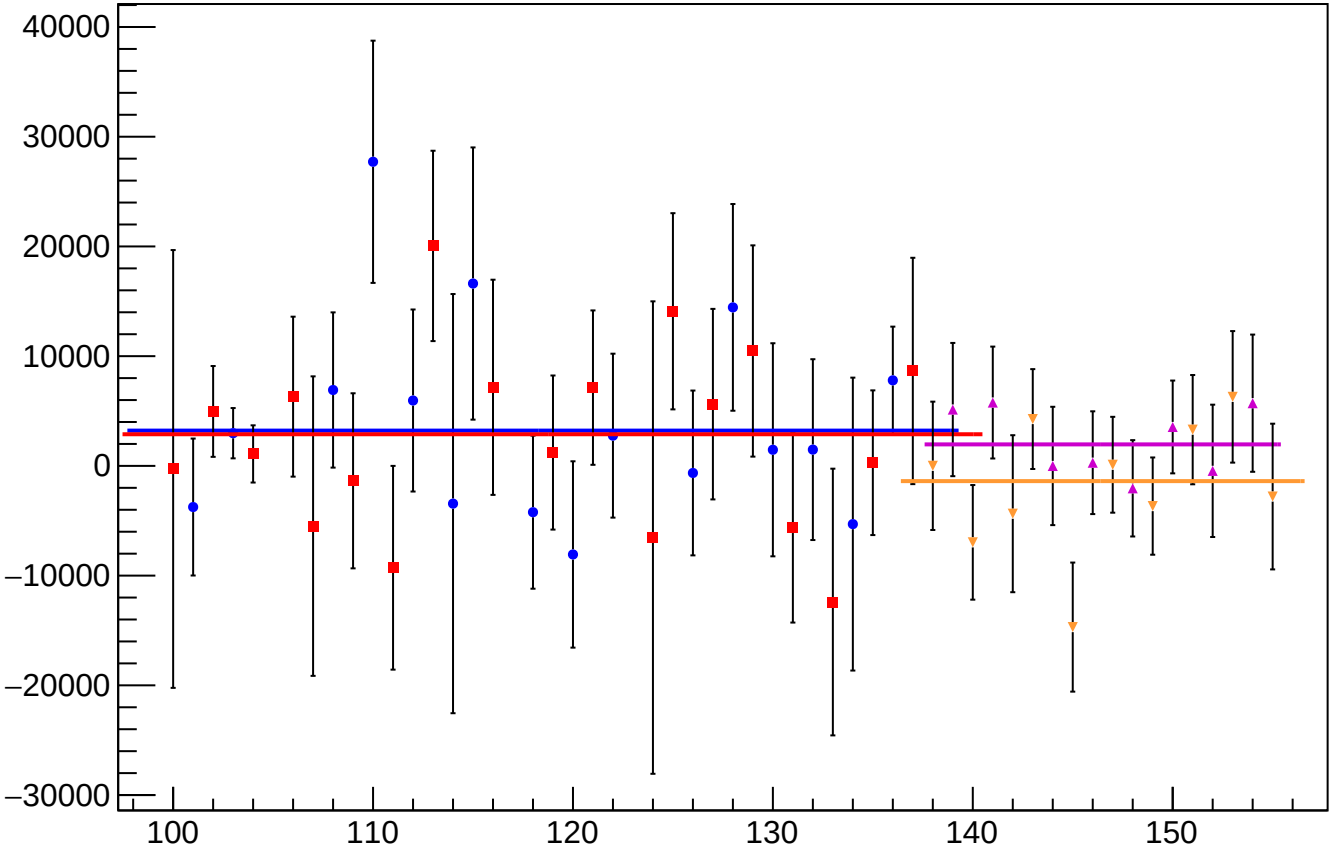
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2855.122+/-0.648 χ^2/NDF:8509723.9/23

Out: 2262.610+/-0.526 χ^2/NDF:11941069.7/28

All: 2498.115+/-0.408 χ^2/NDF: 20954972.6/5

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -1388.156+/-1674.194 χ^2/NDF:11.0/9

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 1959.385+/-1806.455 χ^2/NDF:2.6/7

Left: 158.594+/-1227.932 χ^2/NDF: 15.4/17

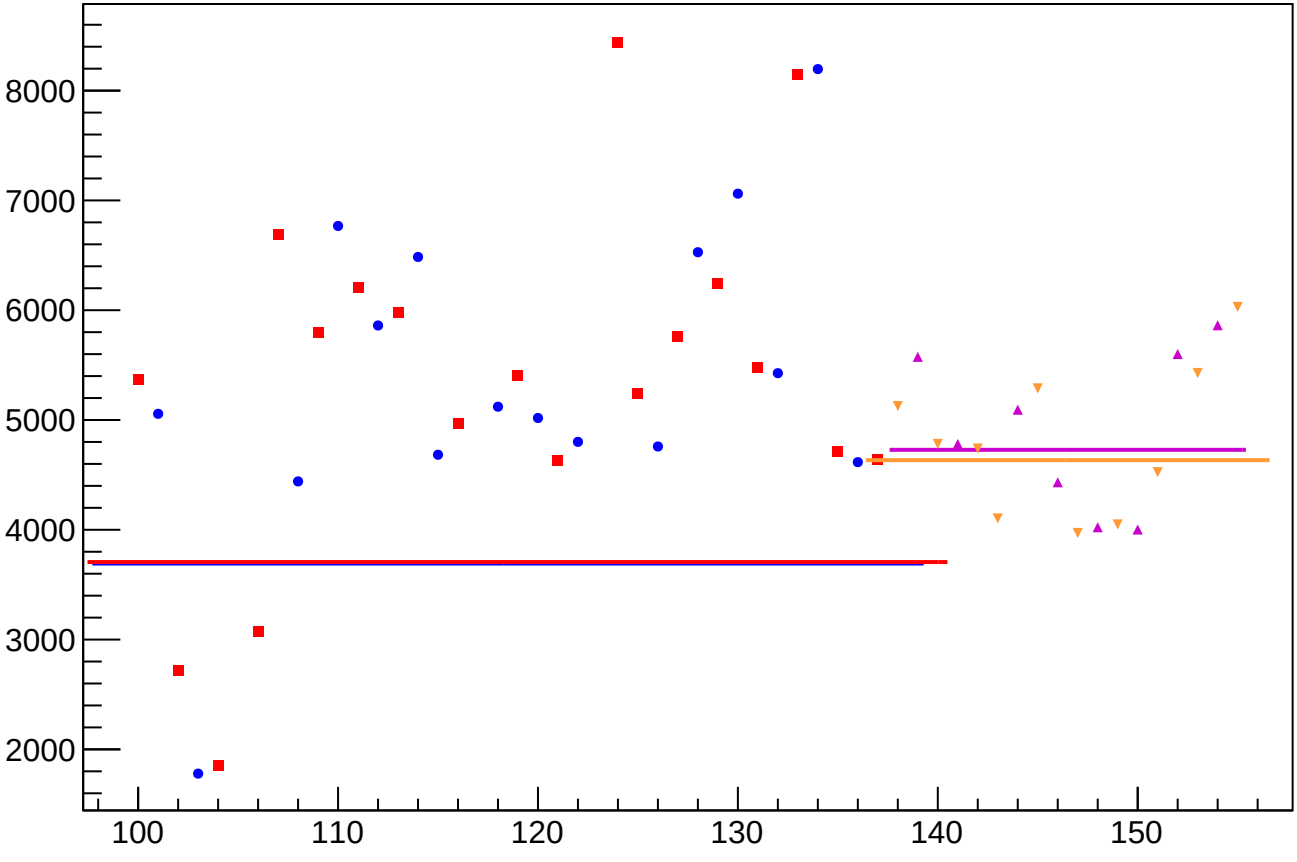
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2687.234+/-1171.615 χ^2/NDF:16.7/23

Out: 909.019+/-1138.227 χ^2/NDF:27.9/28

All: 1772.428+/-816.396 χ^2/NDF: 45.7/52

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4634.011+/-1.184 χ^2/NDF:273558.0/9

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4728.283+/-1.277 χ^2/NDF:274529.4/7

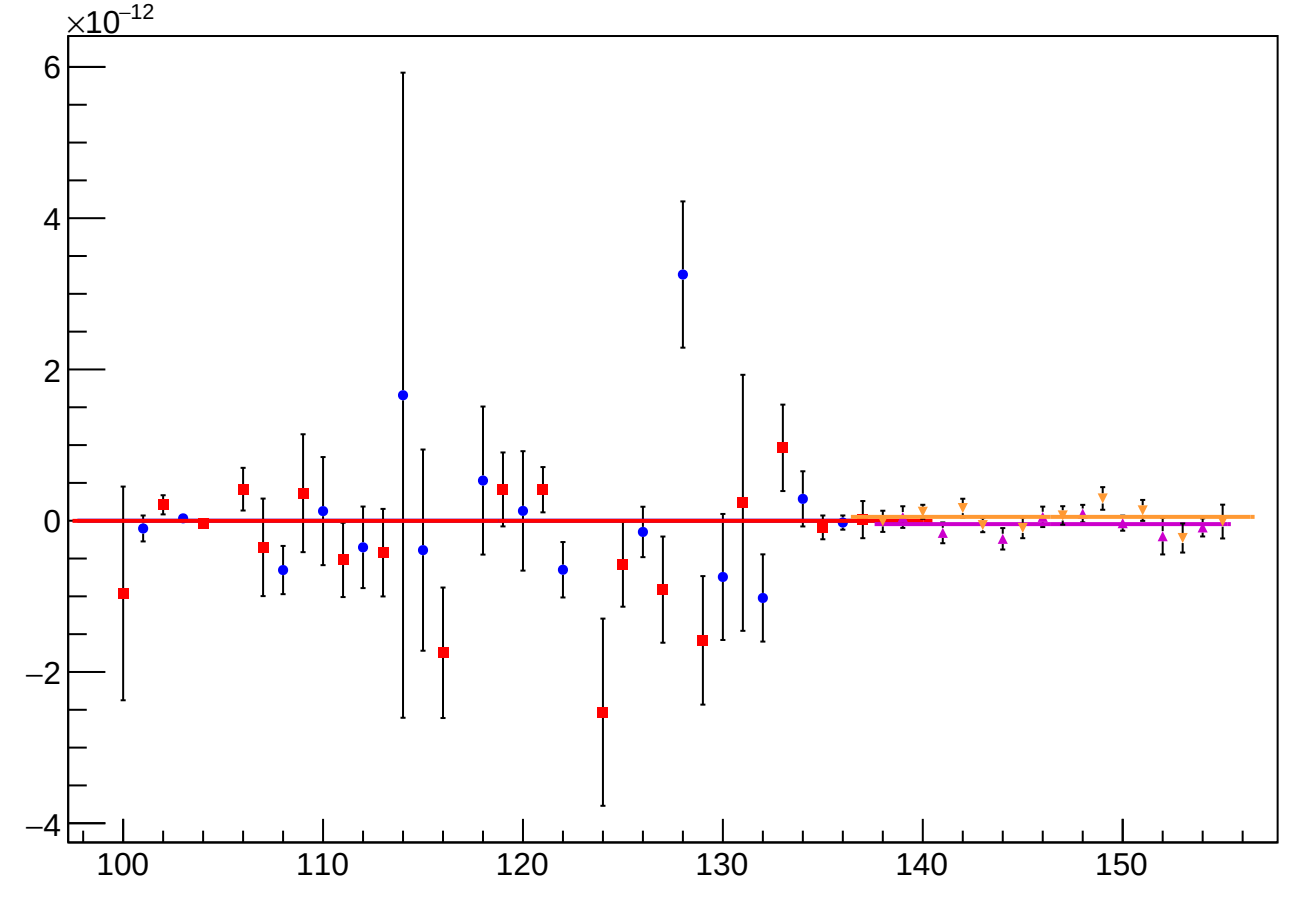
Left: 4677.570+/-0.868 χ^2/NDF: 551017.5/17

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4128.380+/-0.828 χ^2/NDF:3540897.3/23

Out: 4130.362+/-0.800 χ^2/NDF:3291559.9/28

All: 4129.405+/-0.576 χ^2/NDF: 6832460.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.6/7

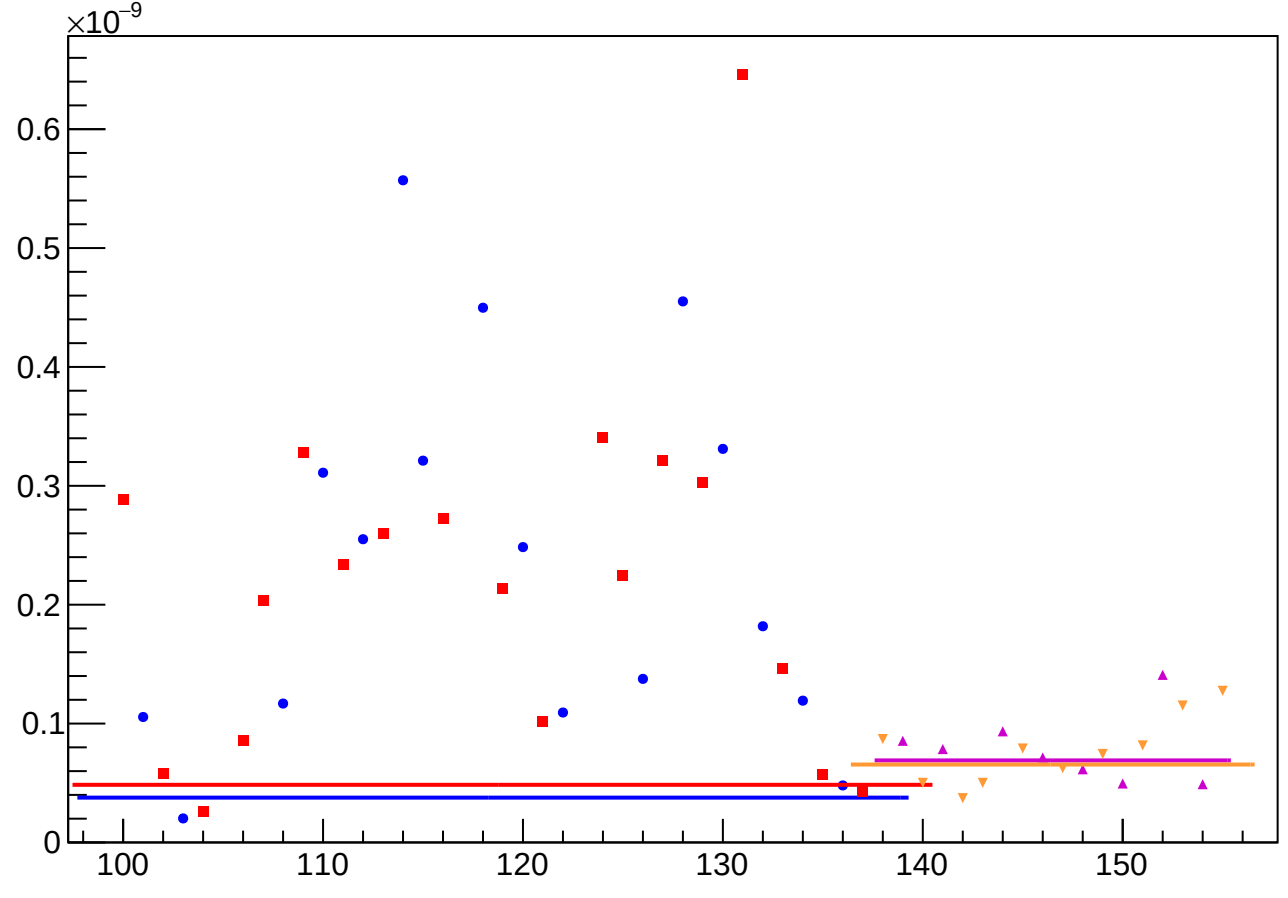
Left: 0.000+/-0.000 χ^2/NDF: 17.4/17

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:31.5/23

Out: 0.000+/-0.000 χ^2/NDF:38.4/28

All: 0.000+/-0.000 χ^2/NDF: 71.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:604592.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:414719.7/7

Left: 0.000+/-0.000 χ^2/NDF: 1025735.5/17

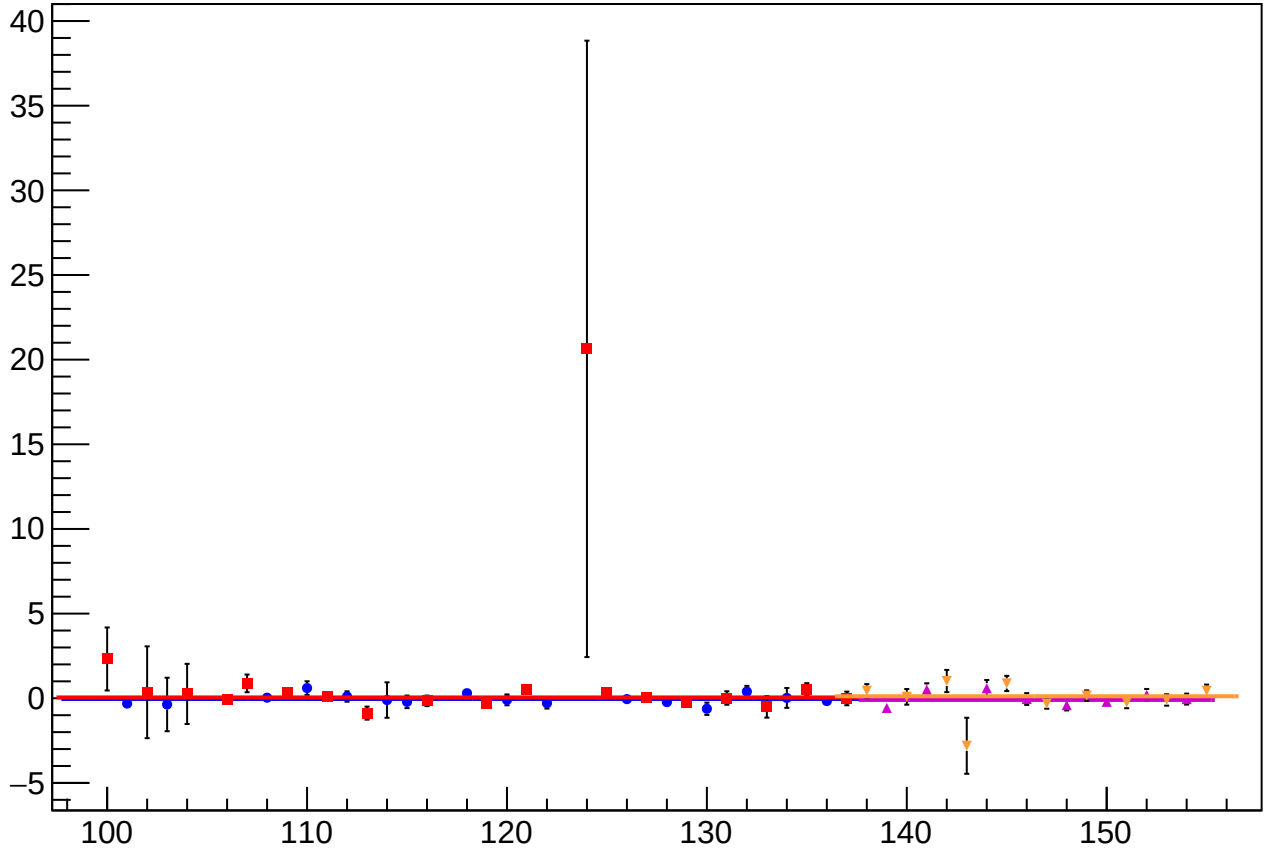
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:4123427.9/23

Out: 0.000+/-0.000 χ^2/NDF:3659991.1/28

All: 0.000+/-0.000 χ^2/NDF: 7862631.0/52

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: 0.118+/-0.124 χ^2/NDF:12.8/9

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.097+/-0.117 χ^2/NDF:9.7/7

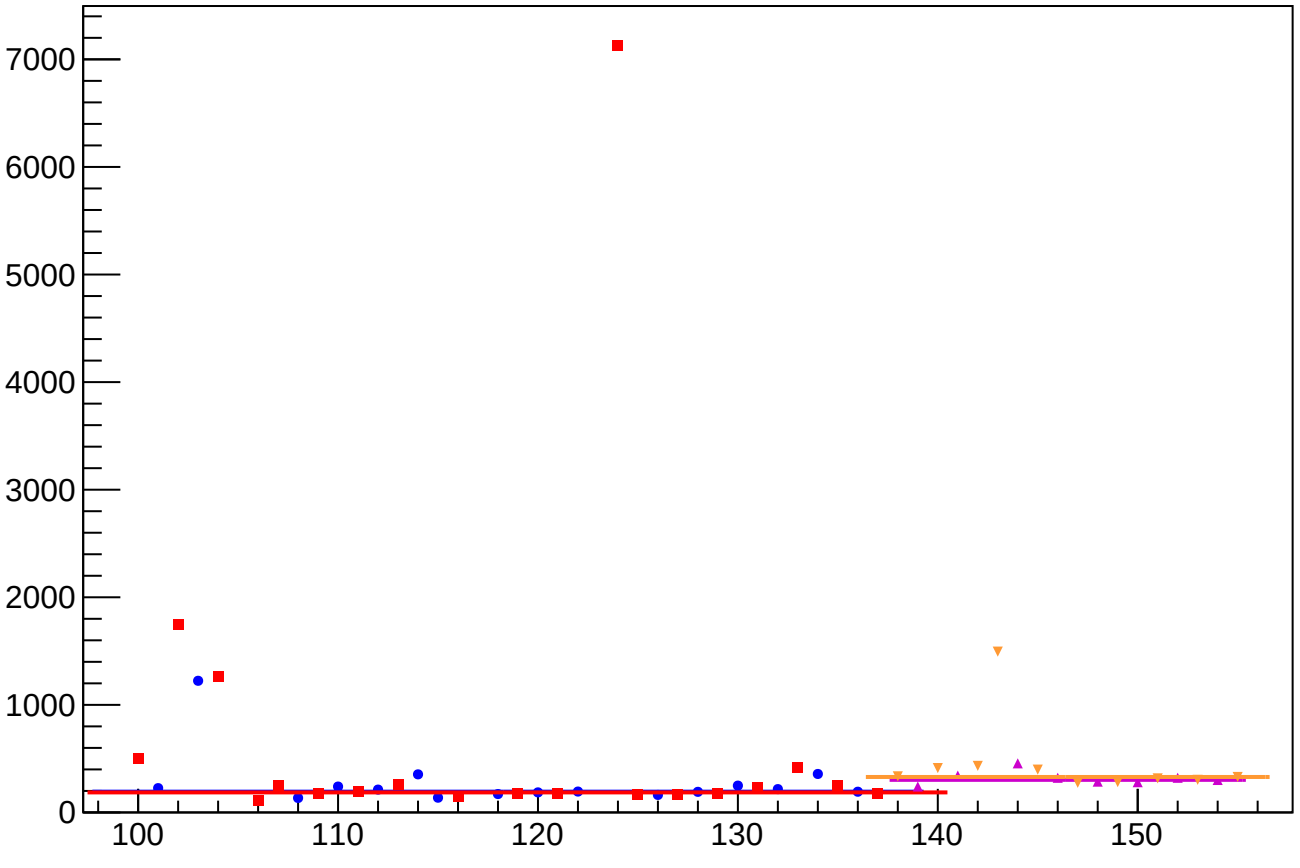
Left: 0.004+/-0.085 χ^2/NDF: 24.1/17

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.065 χ^2/NDF:21.6/23

Out: 0.069+/-0.067 χ^2/NDF:36.0/28

All: 0.004+/-0.046 χ^2/NDF: 59.5/52



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 329.781+/-0.088 χ^2/NDF:1277691.5/9

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 303.126+/-0.083 χ^2/NDF:354926.9/7

Left: 315.691+/-0.060 χ^2/NDF: 1681213.8/17

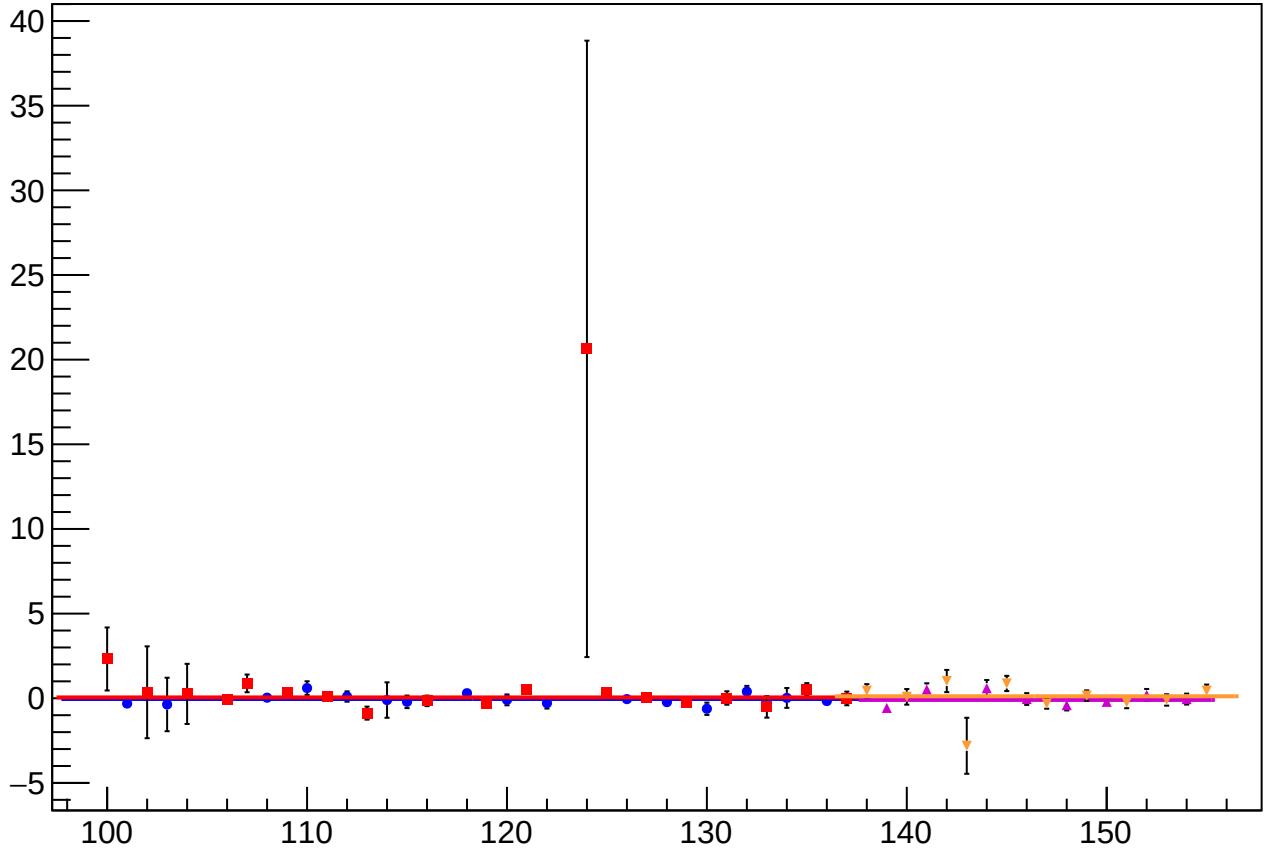
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 226.747+/-0.046 χ^2/NDF:2980959.7/23

Out: 227.469+/-0.047 χ^2/NDF:5655101.7/28

All: 227.098+/-0.033 χ^2/NDF: 8636181.9/52

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: 0.118+/-0.124 χ^2/NDF:12.8/9

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.097+/-0.117 χ^2/NDF:9.7/7

Left: 0.004+/-0.085 χ^2/NDF: 24.1/17

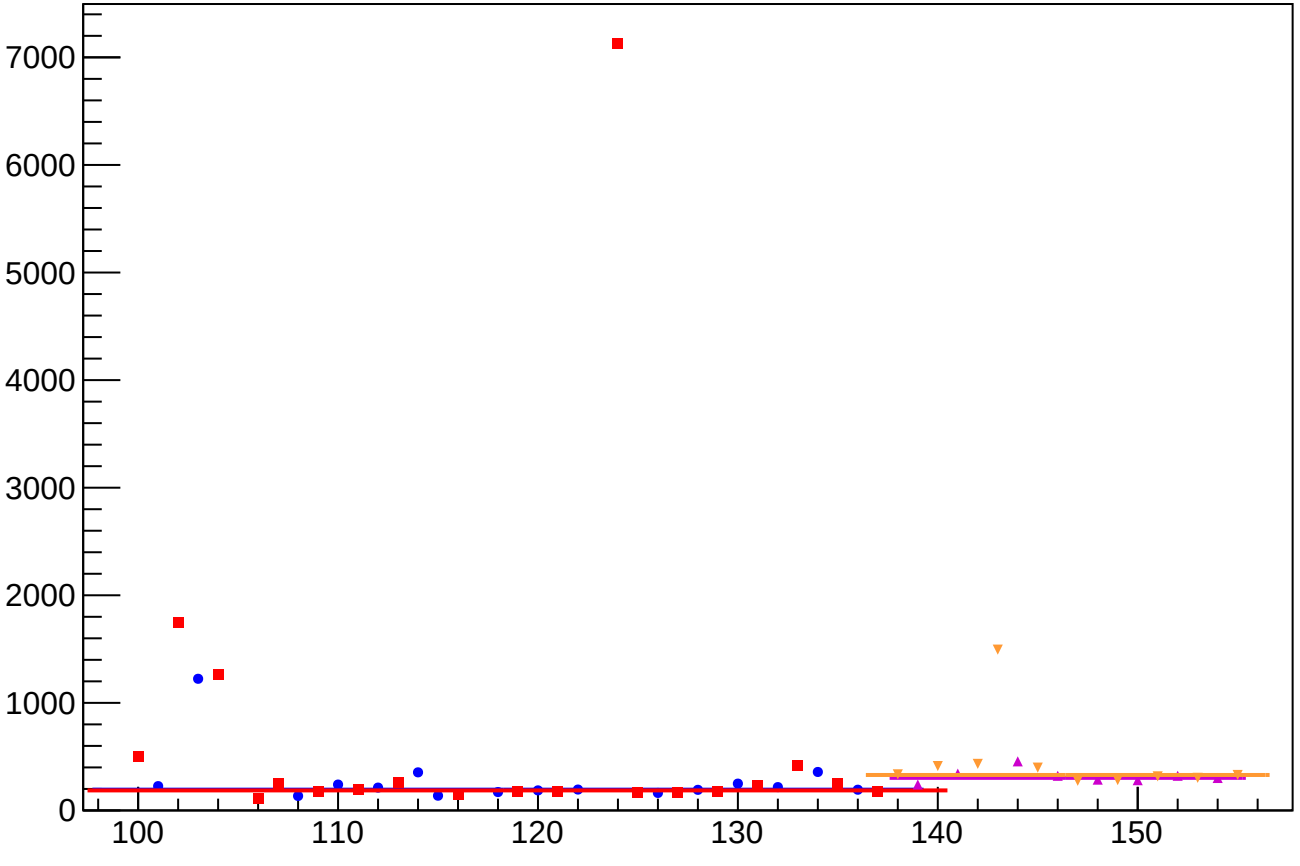
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.065 χ^2/NDF:21.6/23

Out: 0.069+/-0.067 χ^2/NDF:36.0/28

All: 0.004+/-0.046 χ^2/NDF: 59.5/52

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 329.781+/-0.088 χ^2/NDF:1277691.5/9

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 303.126+/-0.083 χ^2/NDF:354926.9/7

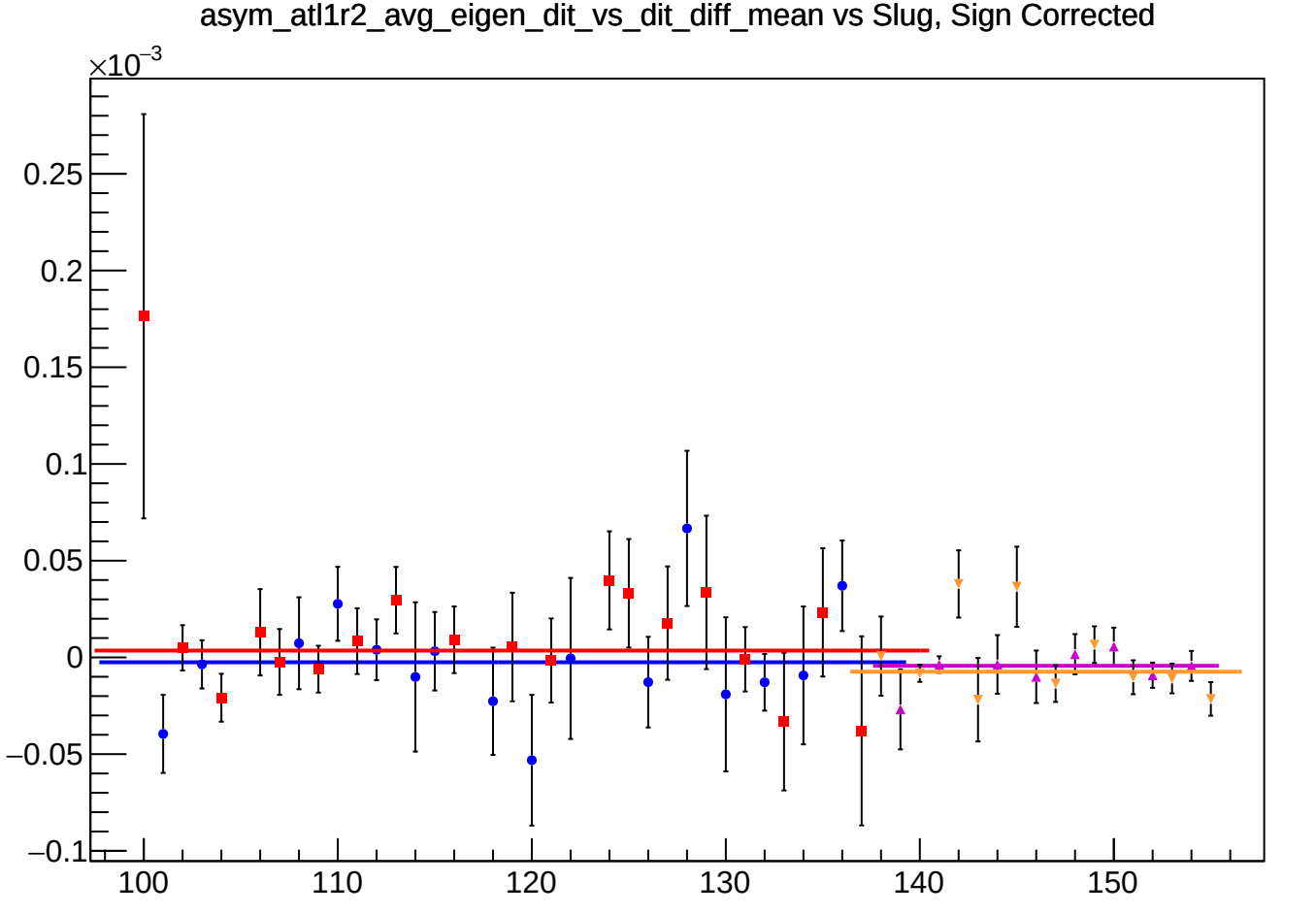
Left: 315.691+/-0.060 χ^2/NDF: 1681213.8/17

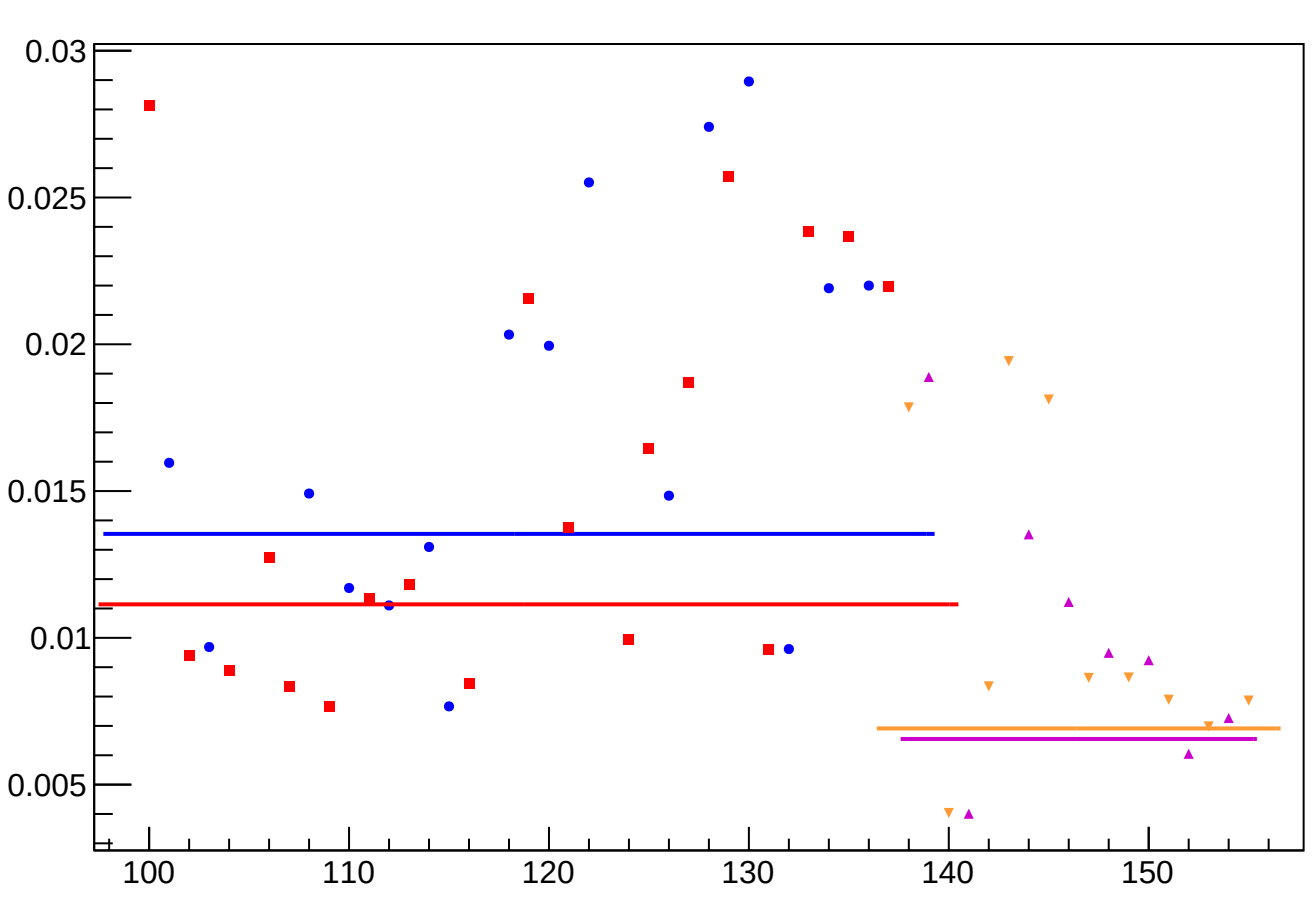
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 226.747+/-0.046 χ^2/NDF:2980959.7/23

Out: 227.469+/-0.047 χ^2/NDF:5655101.7/28

All: 227.098+/-0.033 χ^2/NDF: 8636181.9/52


asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.8/15
Left Out: -0.000+/-0.000 χ²/NDF:17.5/9
Right Out: 0.000+/-0.000 χ²/NDF: 16.3/18
Left In: -0.000+/-0.000 χ²/NDF:3.3/7
Left: -0.000+/-0.000 χ²/NDF: 21.4/17
Right: 0.000+/-0.000 χ²/NDF: 32.9/34
In: -0.000+/-0.000 χ²/NDF:19.2/23
Out: -0.000+/-0.000 χ²/NDF:38.1/28
All: -0.000+/-0.000 χ²/NDF: 57.4/52



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:2881929.6/9

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:2422351.0/7

Left: 0.007+/-0.000 χ^2/NDF: 5320617.9/17

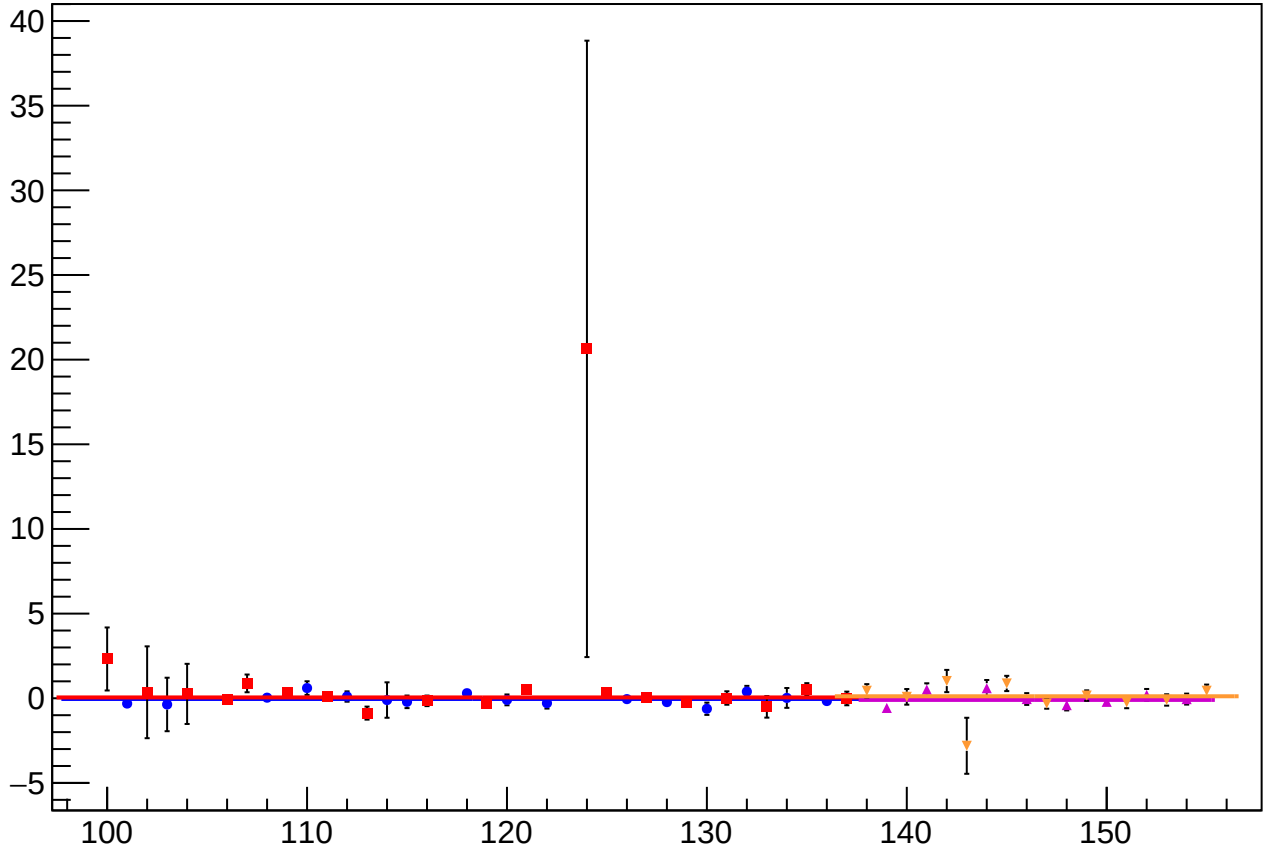
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:6895125.4/23

Out: 0.008+/-0.000 χ^2/NDF:6056286.3/28

All: 0.008+/-0.000 χ^2/NDF: 12952787.4/52

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: 0.118+/-0.124 χ^2/NDF:12.8/9

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.097+/-0.117 χ^2/NDF:9.7/7

Left: 0.004+/-0.085 χ^2/NDF: 24.1/17

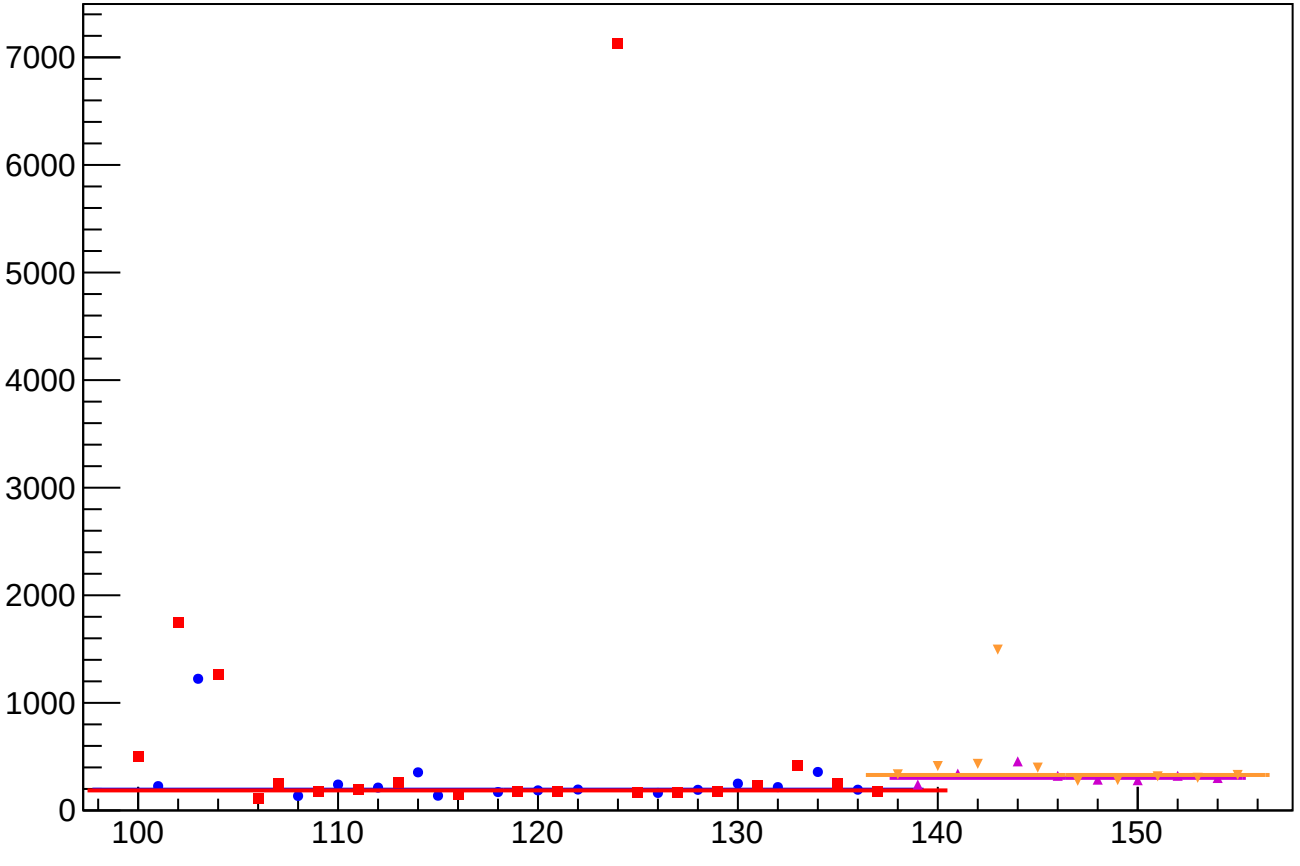
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.065 χ^2/NDF:21.6/23

Out: 0.069+/-0.067 χ^2/NDF:36.0/28

All: 0.004+/-0.046 χ^2/NDF: 59.5/52

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 329.785+/-0.088 χ^2/NDF:1277665.5/9

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 303.130+/-0.083 χ^2/NDF:354905.8/7

Left: 315.695+/-0.060 χ^2/NDF: 1681164.1/17

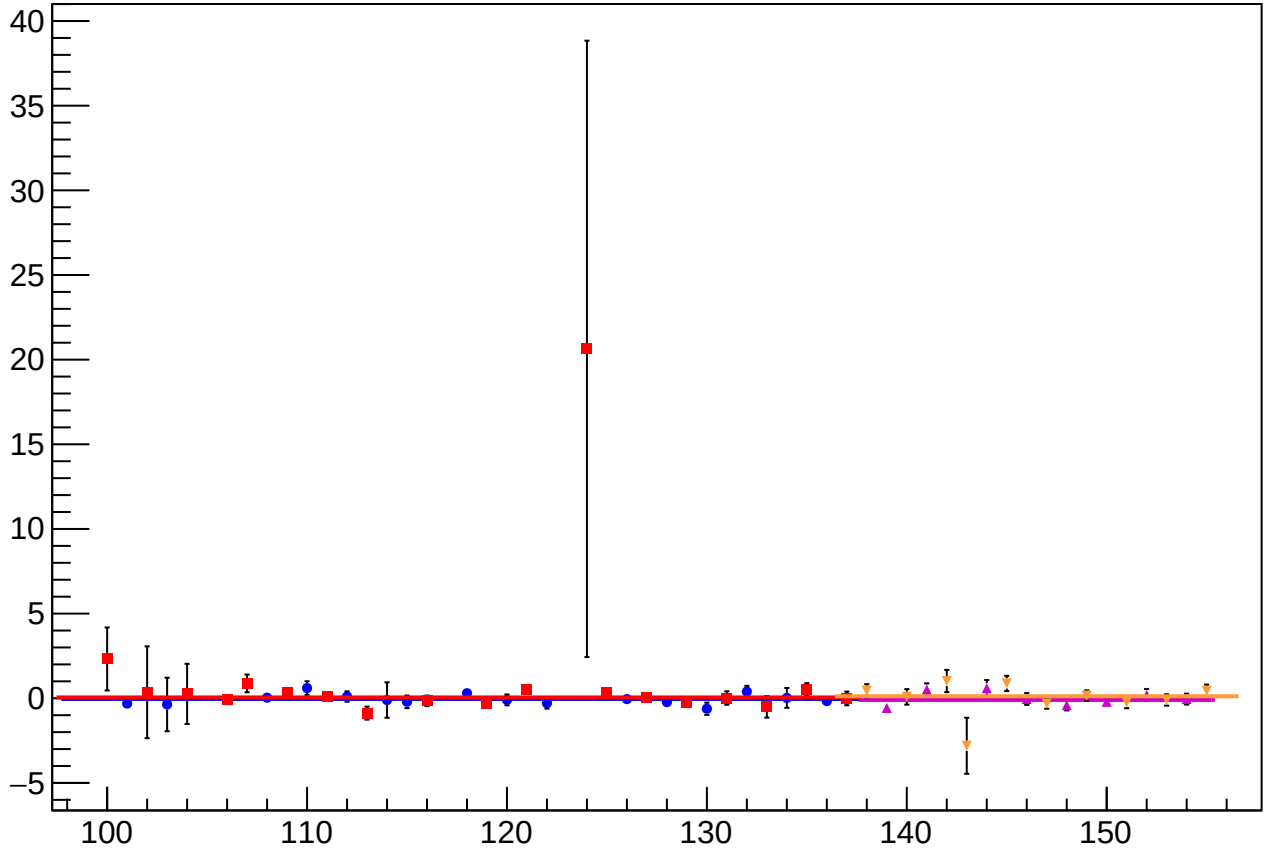
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 226.747+/-0.046 χ^2/NDF:2981038.7/23

Out: 227.467+/-0.047 χ^2/NDF:5655242.7/28

All: 227.097+/-0.033 χ^2/NDF: 8636401.6/52

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: 0.118+/-0.124 χ^2/NDF:12.8/9

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.097+/-0.117 χ^2/NDF:9.7/7

Left: 0.004+/-0.085 χ^2/NDF: 24.1/17

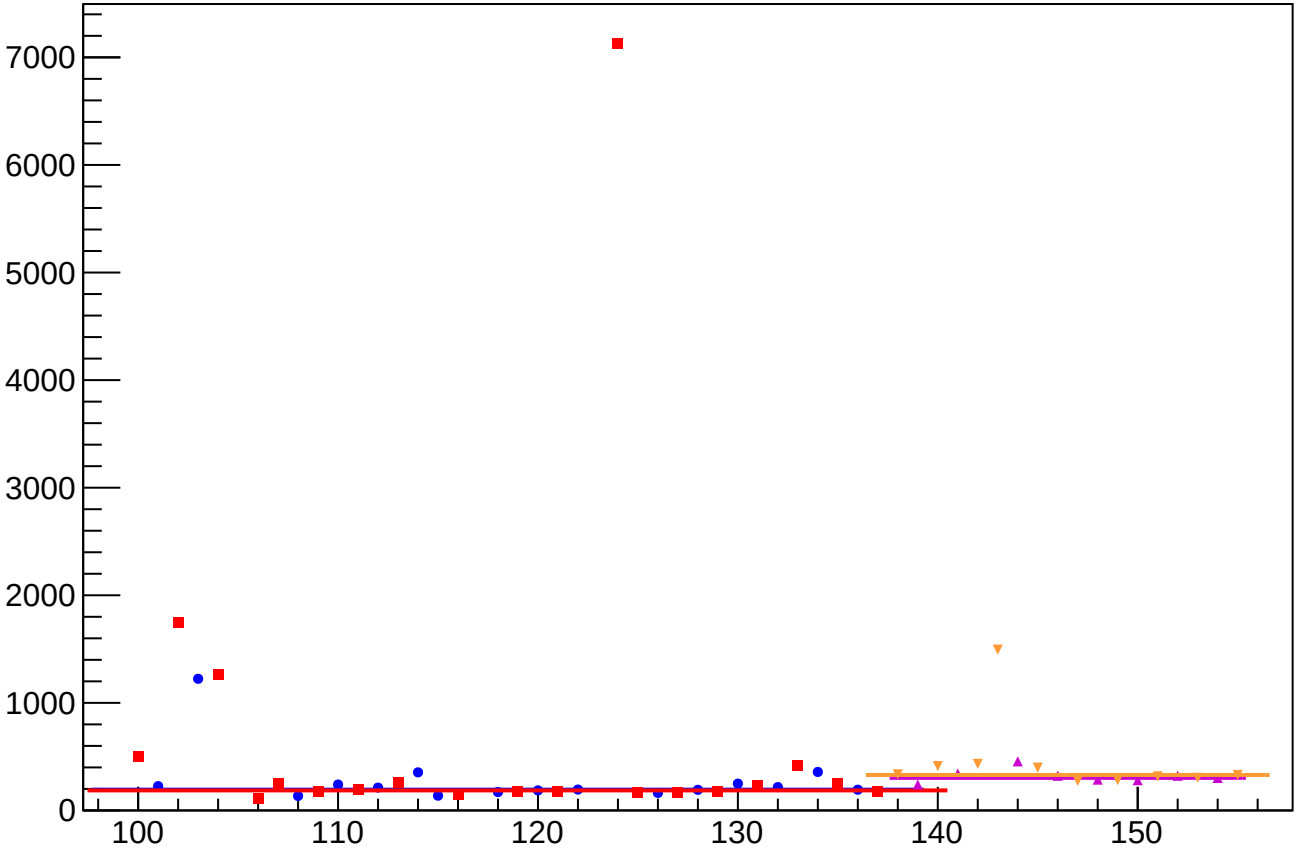
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.065 χ^2/NDF:21.6/23

Out: 0.069+/-0.067 χ^2/NDF:36.0/28

All: 0.004+/-0.046 χ^2/NDF: 59.5/52

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 329.785+/-0.088 χ^2/NDF:1277665.5/9

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 303.130+/-0.083 χ^2/NDF:354905.8/7

Left: 315.695+/-0.060 χ^2/NDF: 1681164.1/17

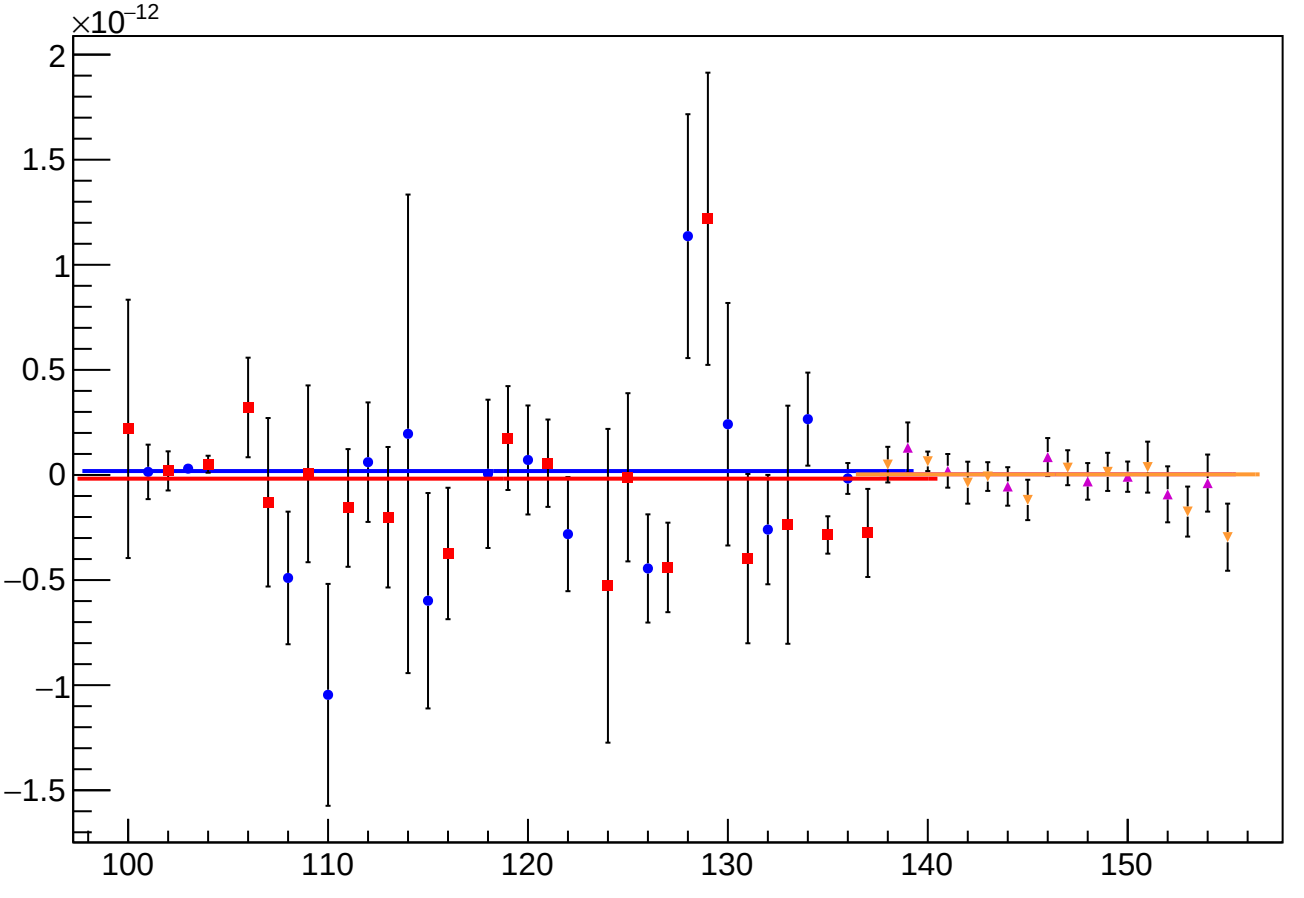
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 226.747+/-0.046 χ^2/NDF:2981038.7/23

Out: 227.467+/-0.047 χ^2/NDF:5655242.7/28

All: 227.097+/-0.033 χ^2/NDF: 8636401.6/52

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:9.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/7

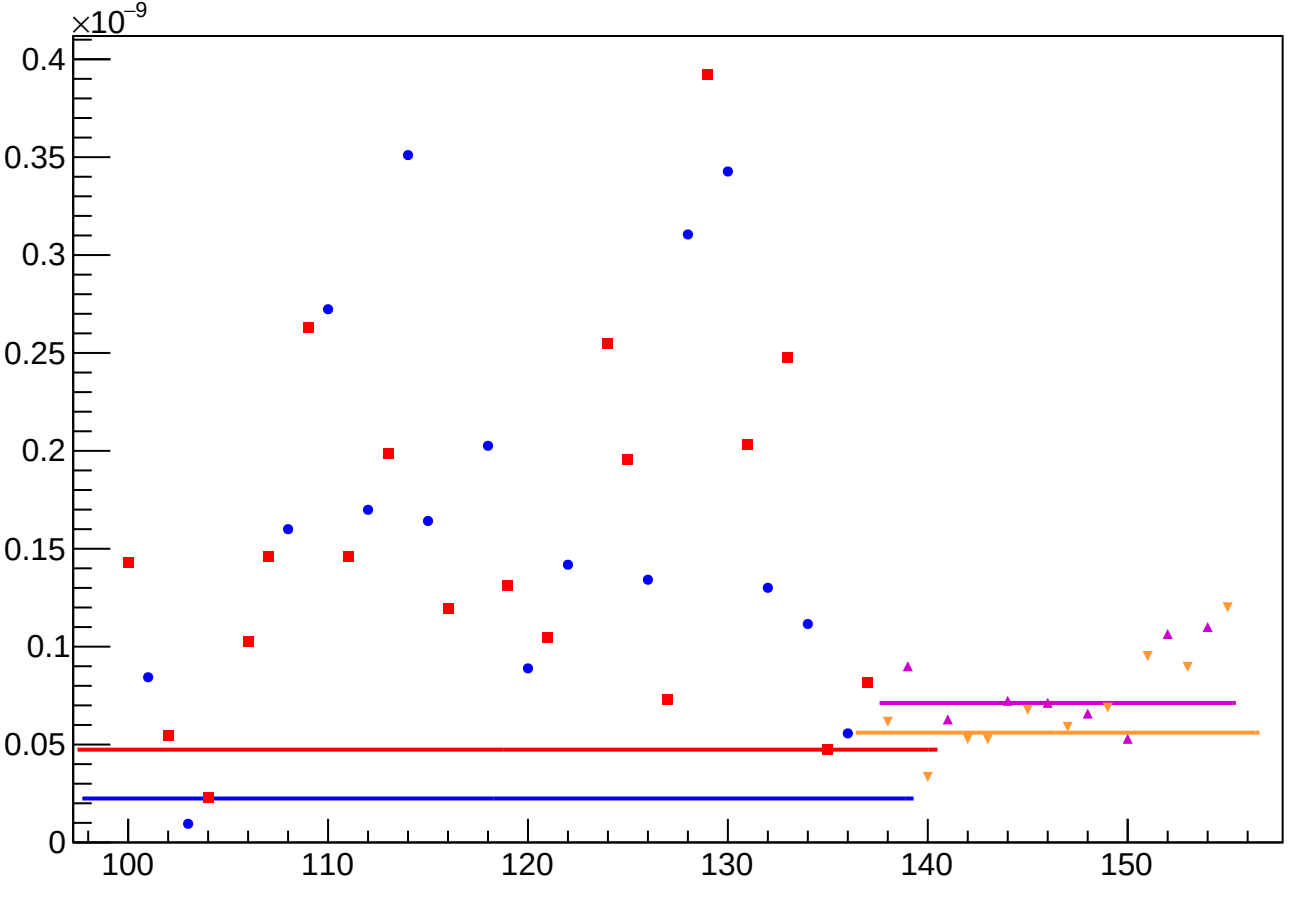
Left: 0.000+/-0.000 χ^2/NDF: 13.0/17

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: 0.000+/-0.000 χ^2/NDF:22.7/23

Out: -0.000+/-0.000 χ^2/NDF:37.2/28

All: 0.000+/-0.000 χ^2/NDF: 60.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1251457.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:510772.2/7

Left: 0.000+/-0.000 χ^2/NDF: 2019776.4/17

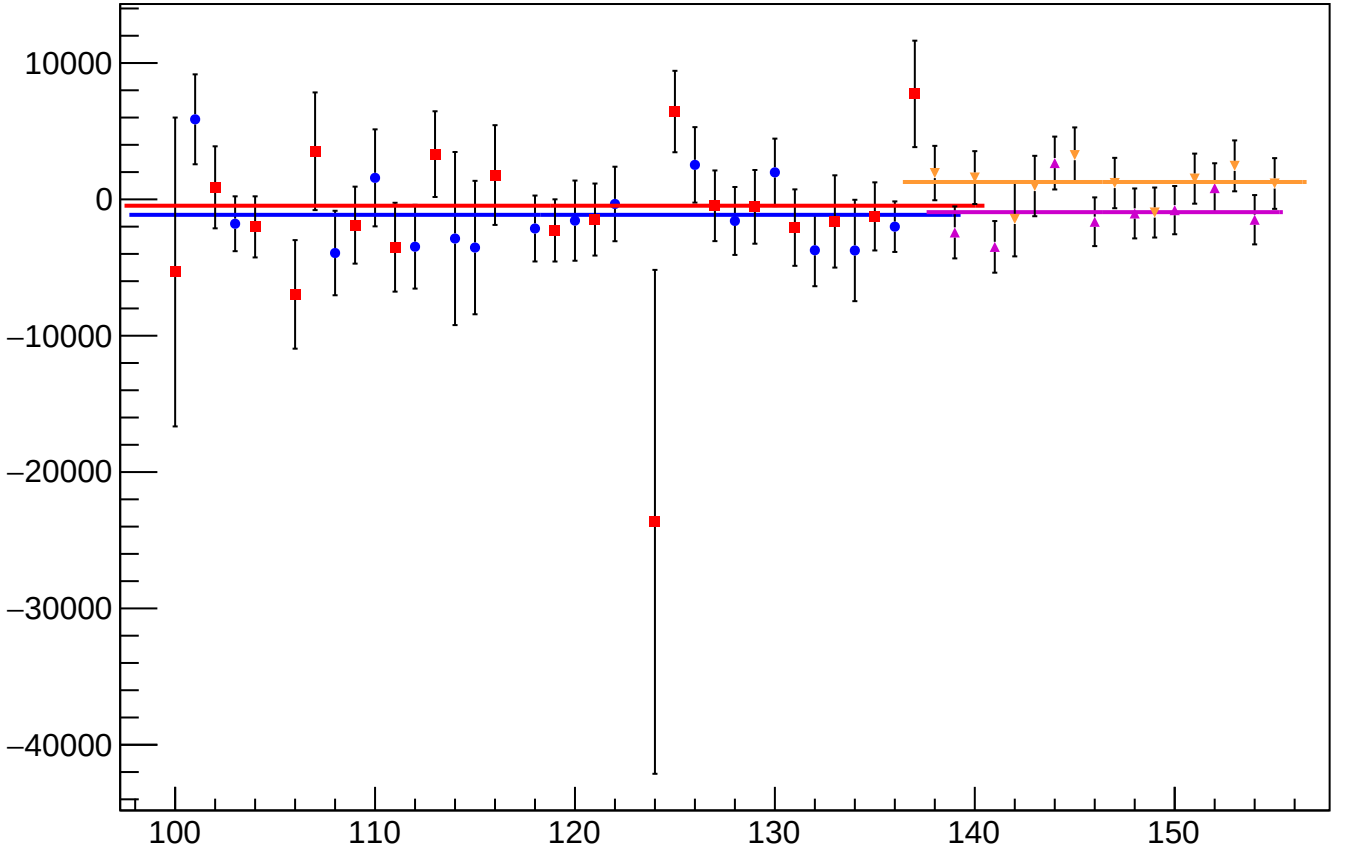
Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:10027279.1/23

Out: 0.000+/-0.000 χ^2/NDF:5578499.8/28

All: 0.000+/-0.000 χ^2/NDF: 16379367.1/52

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1274.203+/-625.162 χ^2/NDF:4.0/9

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -937.416+/-651.204 χ^2/NDF:7.1/7

Left: 213.500+/-450.982 χ^2/NDF: 17.1/17

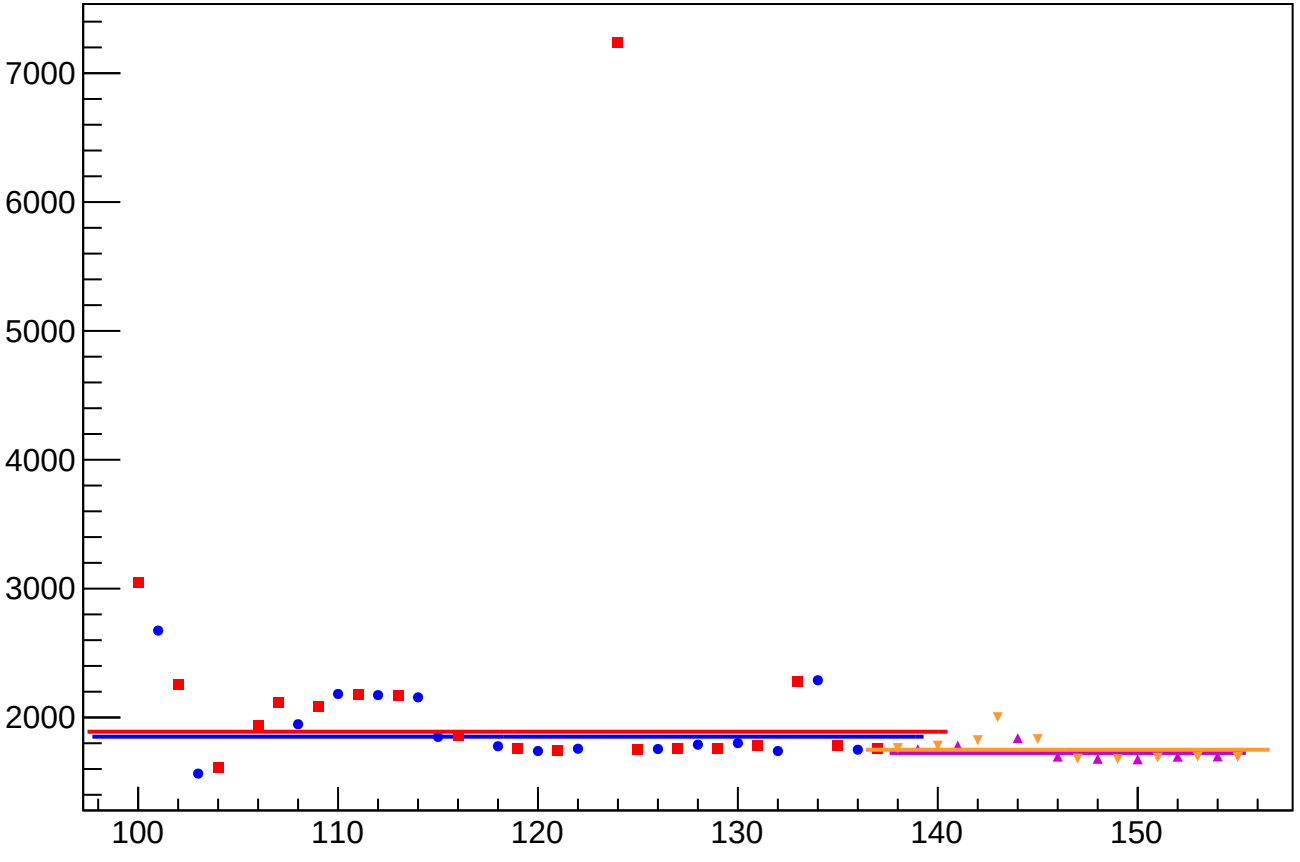
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1029.786+/-474.810 χ^2/NDF:19.3/23

Out: 509.513+/-468.017 χ^2/NDF:27.4/28

All: -249.047+/-333.314 χ^2/NDF: 52.1/52

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1749.772+/-0.442 χ^2/NDF:42898.9/9

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1724.716+/-0.460 χ^2/NDF:13417.6/7

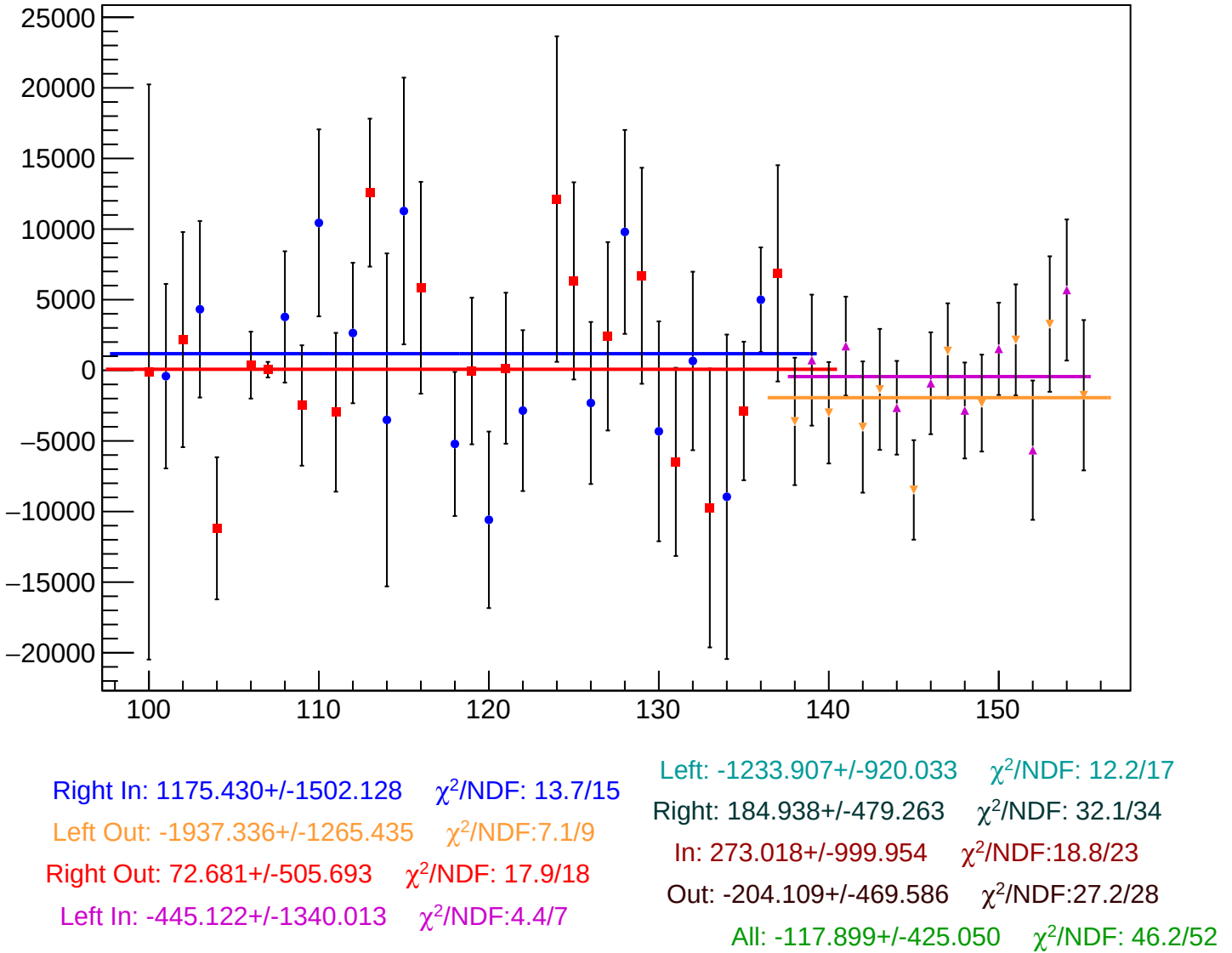
Left: 1737.755+/-0.319 χ^2/NDF: 57857.4/17

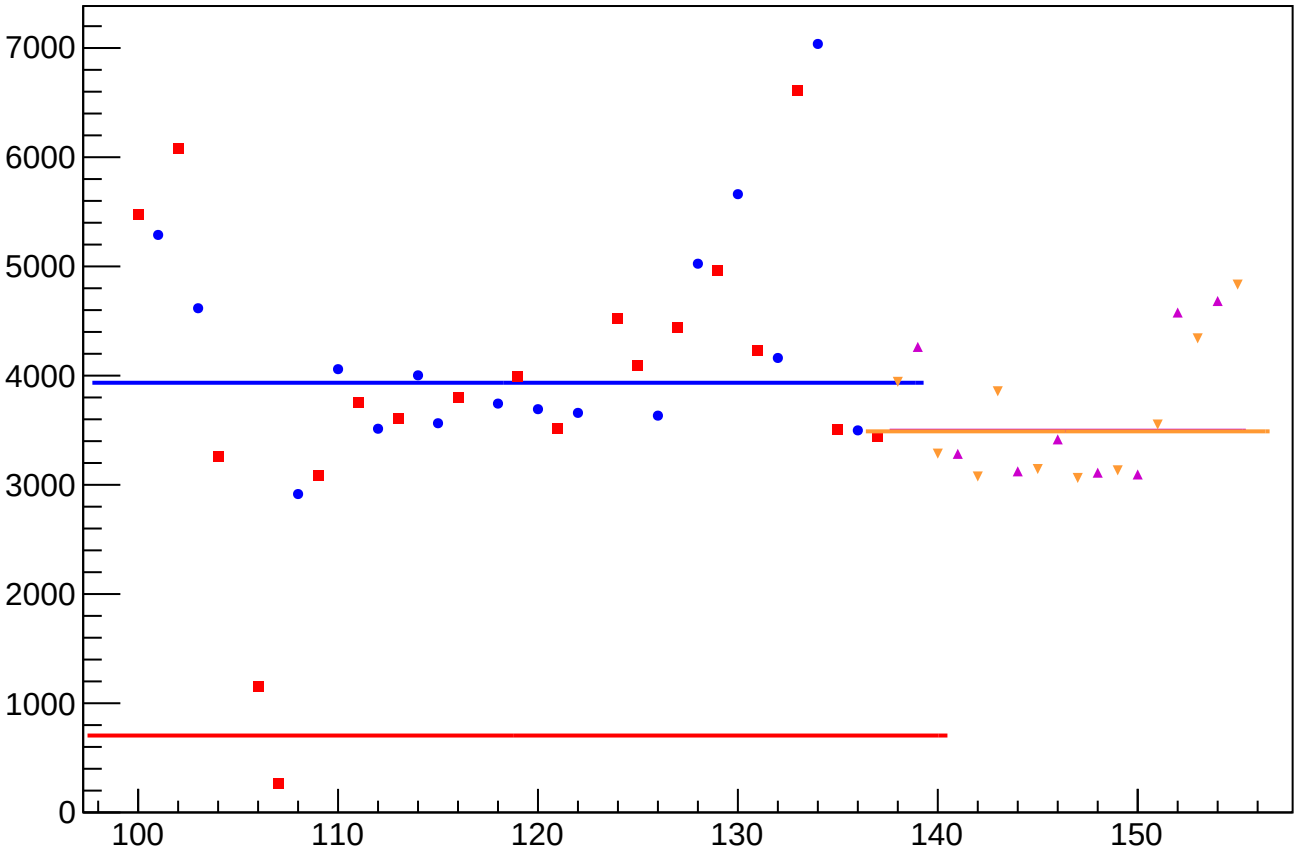
Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1783.926+/-0.336 χ^2/NDF:308699.5/23

Out: 1811.361+/-0.331 χ^2/NDF:445848.4/28

All: 1797.855+/-0.236 χ^2/NDF: 757938.2/52


asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 1175.430+/-1502.128 χ²/NDF: 13.7/15
Left Out: -1937.336+/-1265.435 χ²/NDF:7.1/9
Right Out: 72.681+/-505.693 χ²/NDF: 17.9/18
Left In: -445.122+/-1340.013 χ²/NDF:4.4/7
Left: -1233.907+/-920.033 χ²/NDF: 12.2/17
Right: 184.938+/-479.263 χ²/NDF: 32.1/34
In: 273.018+/-999.954 χ²/NDF:18.8/23
Out: -204.109+/-469.586 χ²/NDF:27.2/28
All: -117.899+/-425.050 χ²/NDF: 46.2/52



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3489.753+/-0.895 χ^2/NDF:321004.2/9

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3495.518+/-0.948 χ^2/NDF:353097.6/7

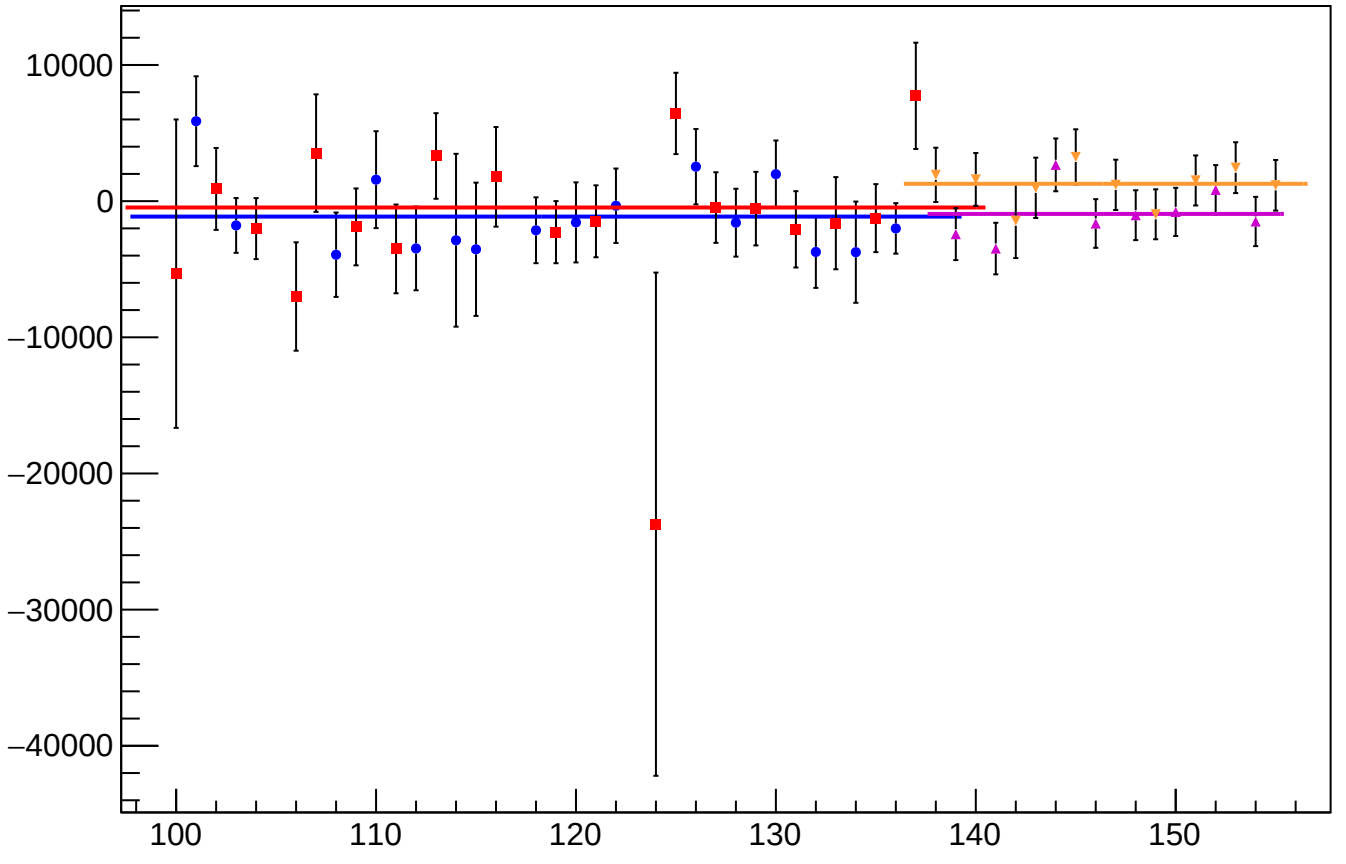
Left: 3492.471+/-0.651 χ^2/NDF: 674121.4/17

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3690.148+/-0.707 χ^2/NDF:1008433.1/23

Out: 1087.945+/-0.332 χ^2/NDF:19295129.2/28

All: 1558.123+/-0.301 χ^2/NDF: 31400502.9/5



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1274.176+/-625.162 χ^2/NDF:4.0/9

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -937.347+/-651.204 χ^2/NDF:7.1/7

Left: 213.518+/-450.982 χ^2/NDF: 17.0/17

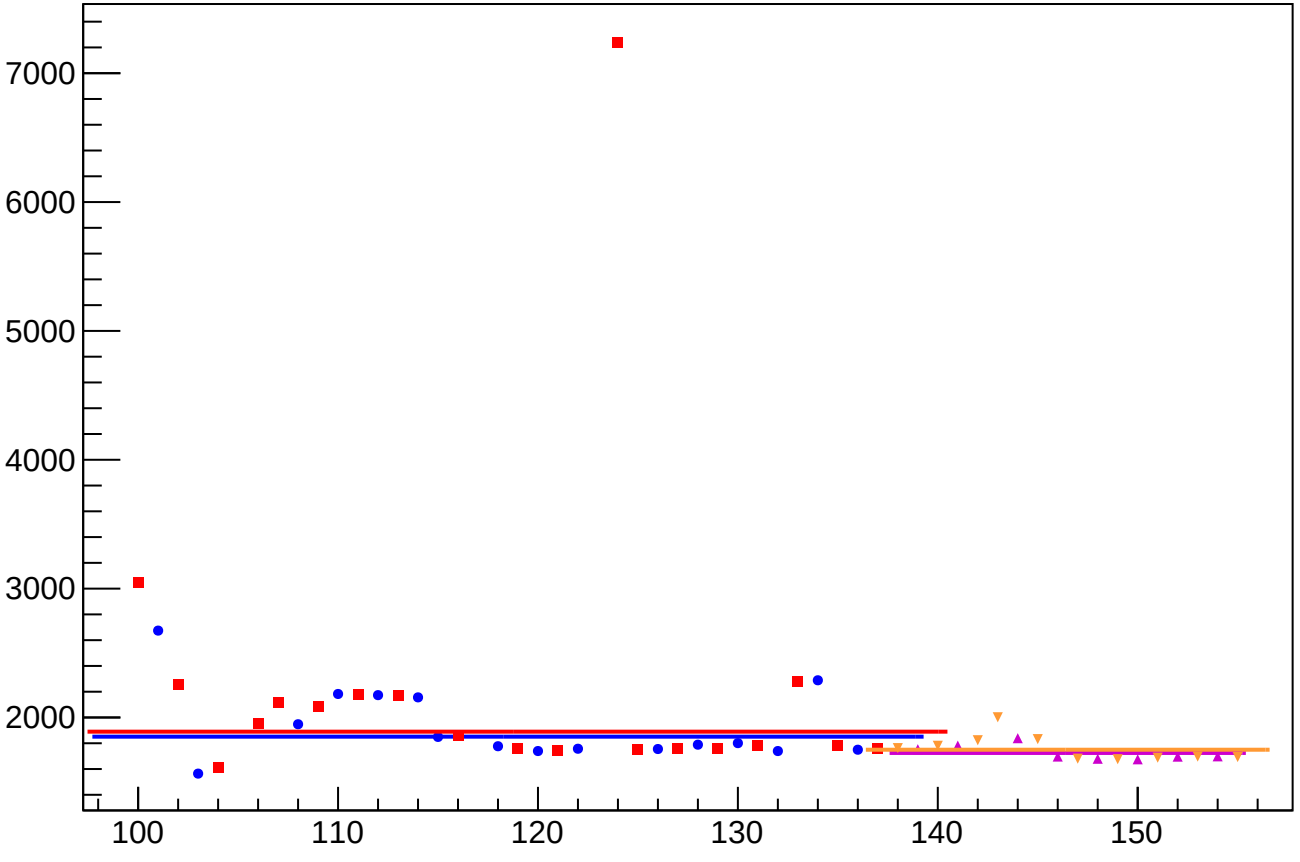
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1029.549+/-474.810 χ^2/NDF:19.3/23

Out: 509.333+/-468.018 χ^2/NDF:27.4/28

All: -249.022+/-333.314 χ^2/NDF: 52.1/52

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1749.772+/-0.442 χ^2/NDF:42898.9/9

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1724.717+/-0.460 χ^2/NDF:13417.6/7

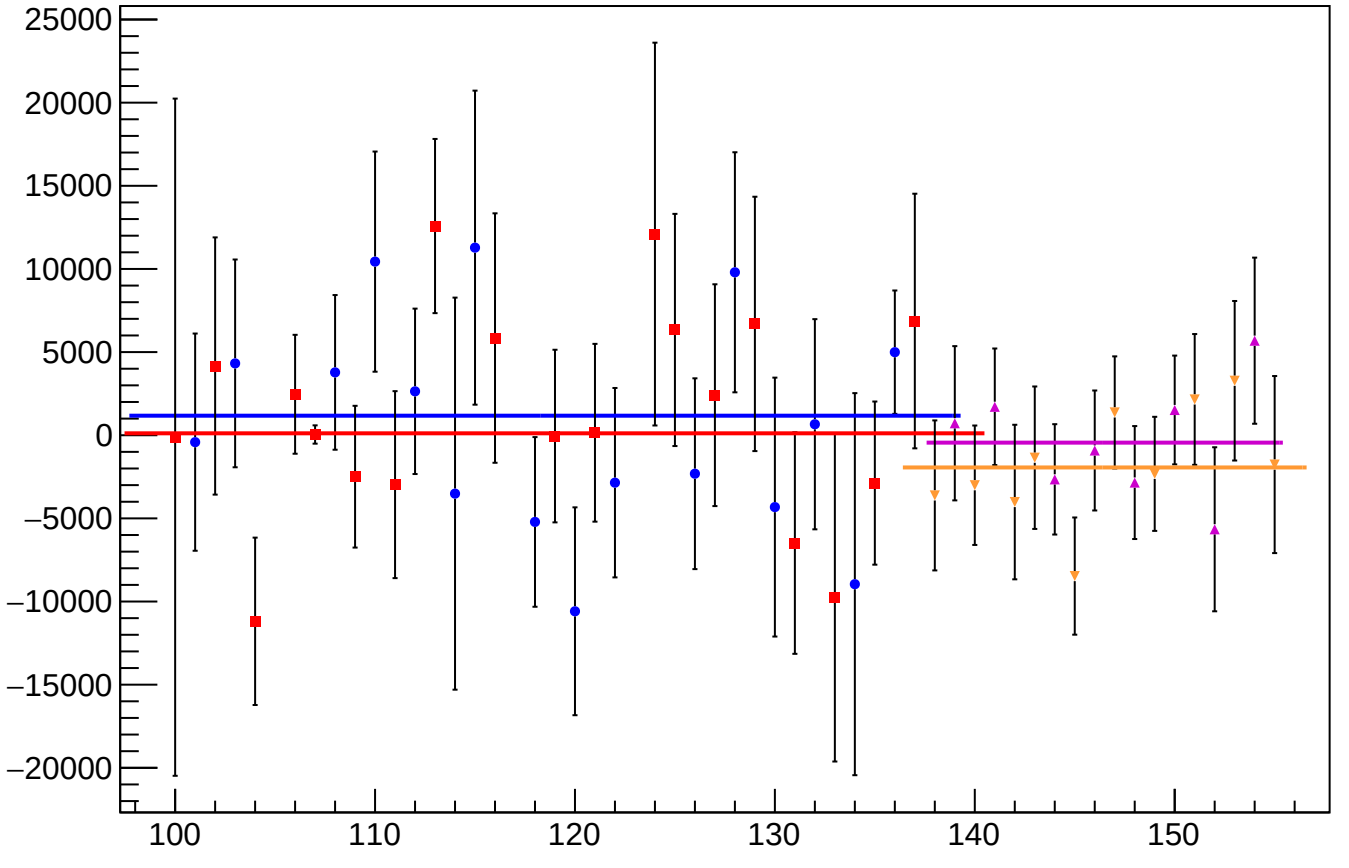
Left: 1737.755+/-0.319 χ^2/NDF: 57857.4/17

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1783.926+/-0.336 χ^2/NDF:308698.9/23

Out: 1811.547+/-0.331 χ^2/NDF:446346.2/28

All: 1797.948+/-0.236 χ^2/NDF: 758481.2/52



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -1937.390+/-1265.431 χ^2/NDF:7.1/9

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -445.132+/-1340.013 χ^2/NDF:4.4/7

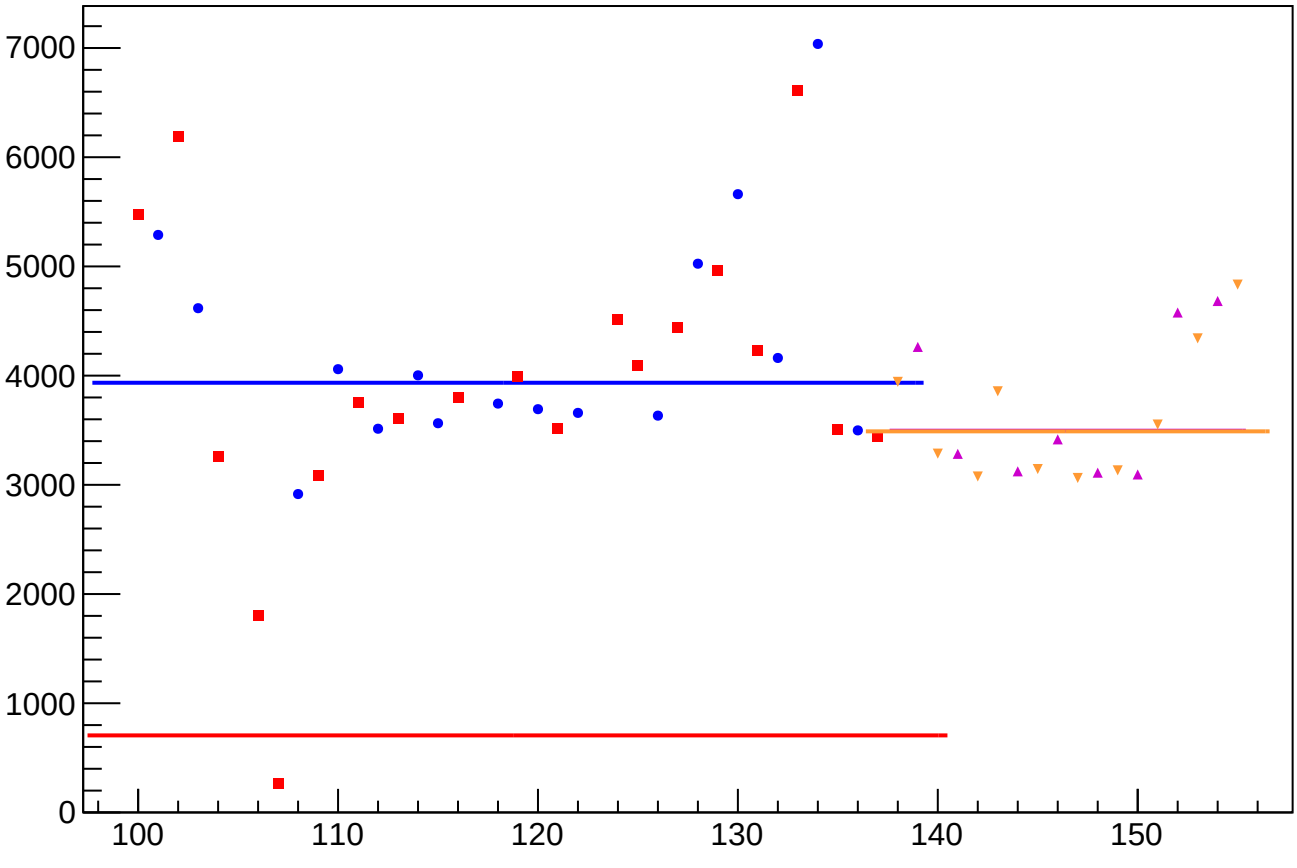
Left: -1233.943+/-920.032 χ^2/NDF: 12.2/17

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 272.999+/-999.956 χ^2/NDF:18.8/23

Out: -173.214+/-474.853 χ^2/NDF:27.9/28

All: -91.107+/-428.945 χ^2/NDF: 46.9/52



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3489.742+/-0.895 χ^2/NDF:321015.6/9

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3495.520+/-0.948 χ^2/NDF:353092.7/7

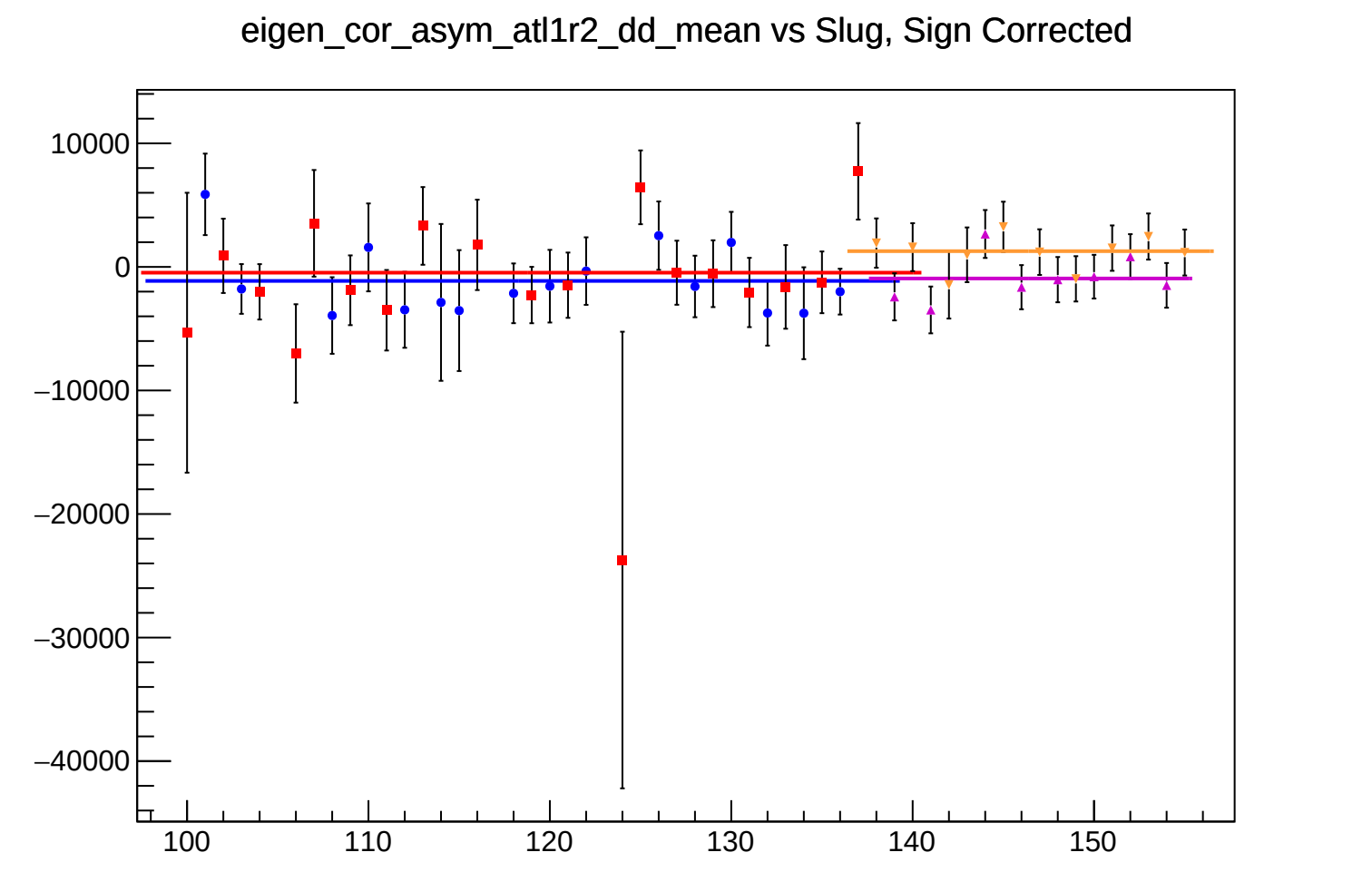
Left: 3492.466+/-0.651 χ^2/NDF: 674128.0/17

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3690.151+/-0.707 χ^2/NDF:1008455.2/23

Out: 1097.659+/-0.336 χ^2/NDF:19386196.9/28

All: 1574.704+/-0.303 χ^2/NDF: 31364184.2/5



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1274.176+/-625.162 χ^2/NDF:4.0/9

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -937.347+/-651.204 χ^2/NDF:7.1/7

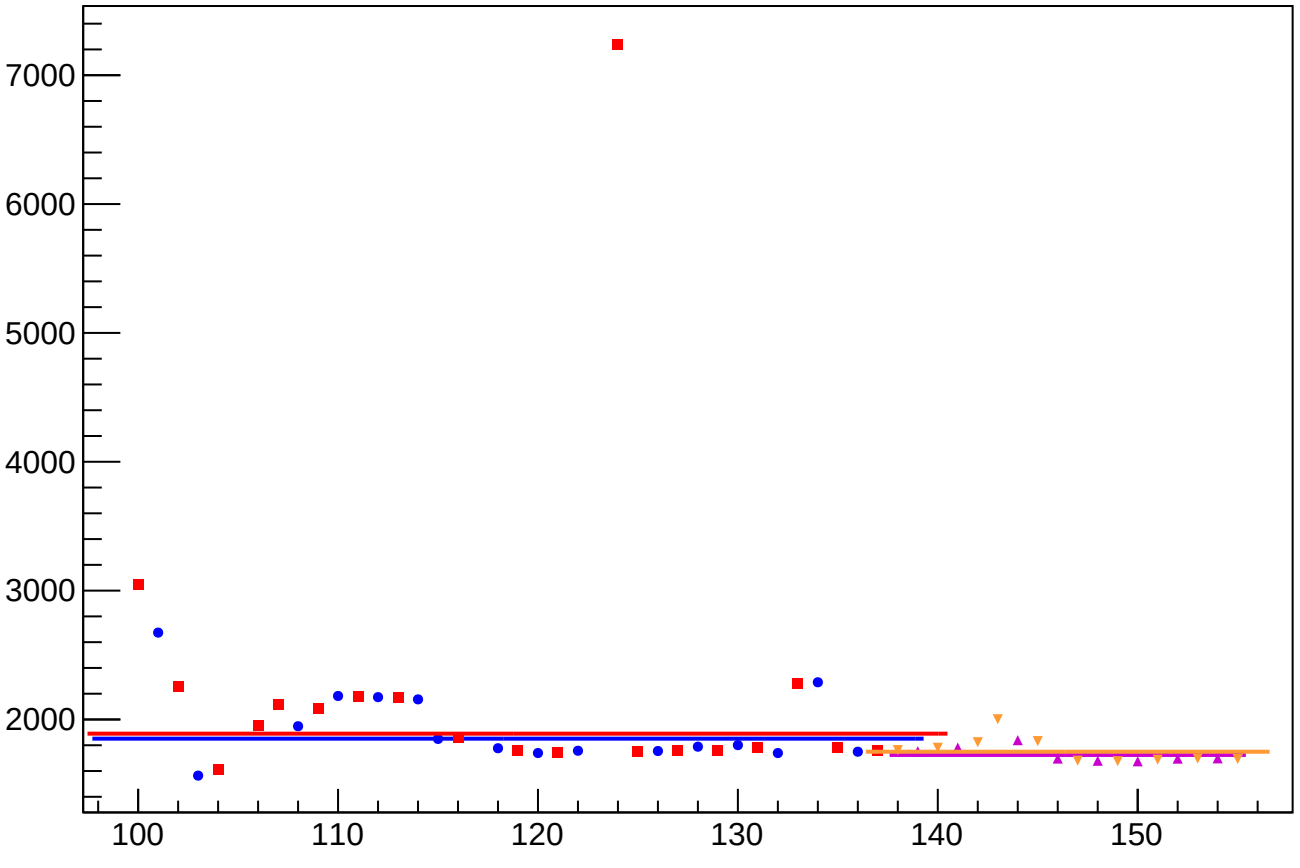
Left: 213.518+/-450.982 χ^2/NDF: 17.0/17

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1029.549+/-474.810 χ^2/NDF:19.3/23

Out: 509.333+/-468.018 χ^2/NDF:27.4/28

All: -249.022+/-333.314 χ^2/NDF: 52.1/52



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1749.772+/-0.442 χ^2/NDF:42898.9/9

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1724.717+/-0.460 χ^2/NDF:13417.6/7

Left: 1737.755+/-0.319 χ^2/NDF: 57857.4/17

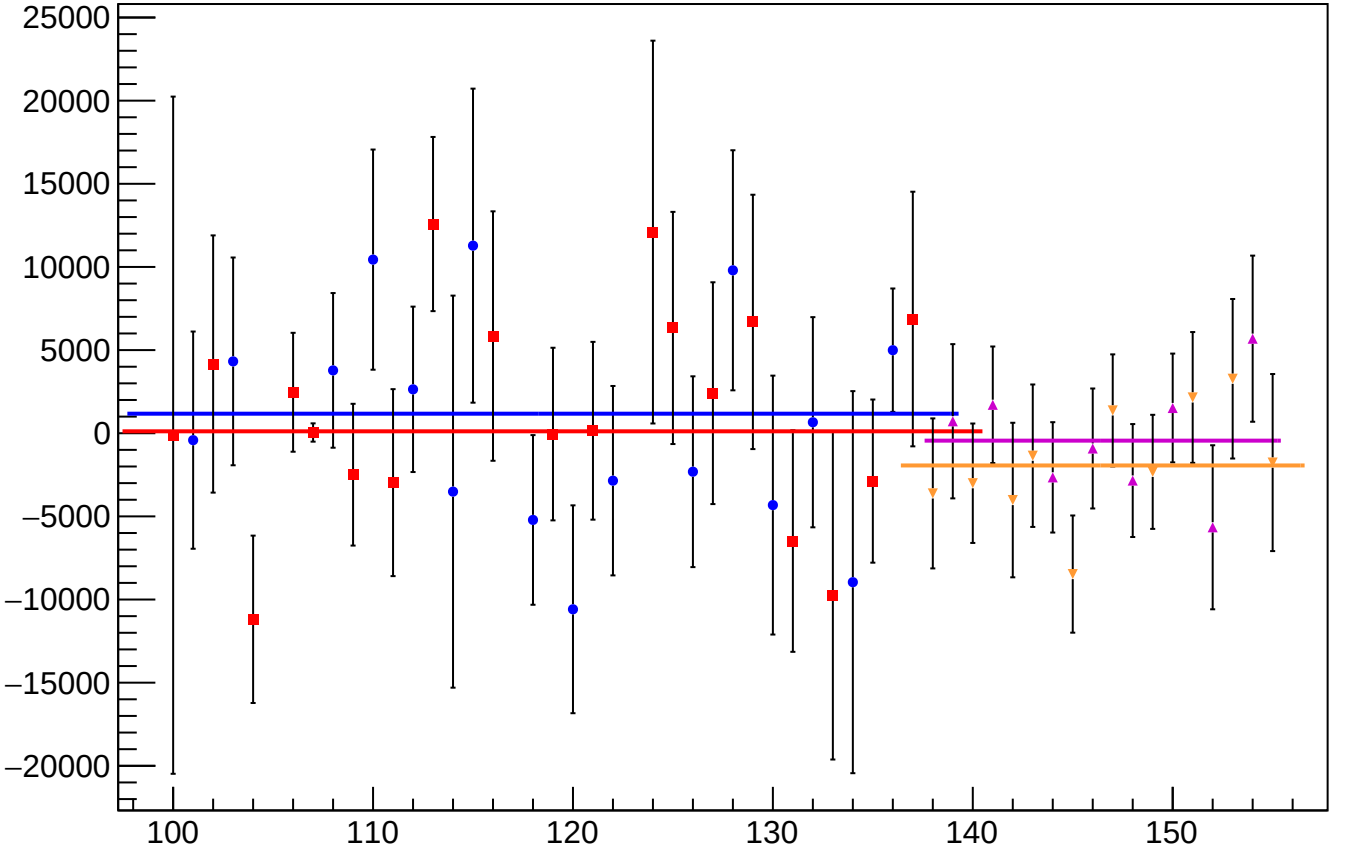
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1783.926+/-0.336 χ^2/NDF:308698.9/23

Out: 1811.547+/-0.331 χ^2/NDF:446346.2/28

All: 1797.948+/-0.236 χ^2/NDF: 758481.2/52

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: -1937.390+/-1265.431 χ^2/NDF:7.1/9

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -445.132+/-1340.013 χ^2/NDF:4.4/7

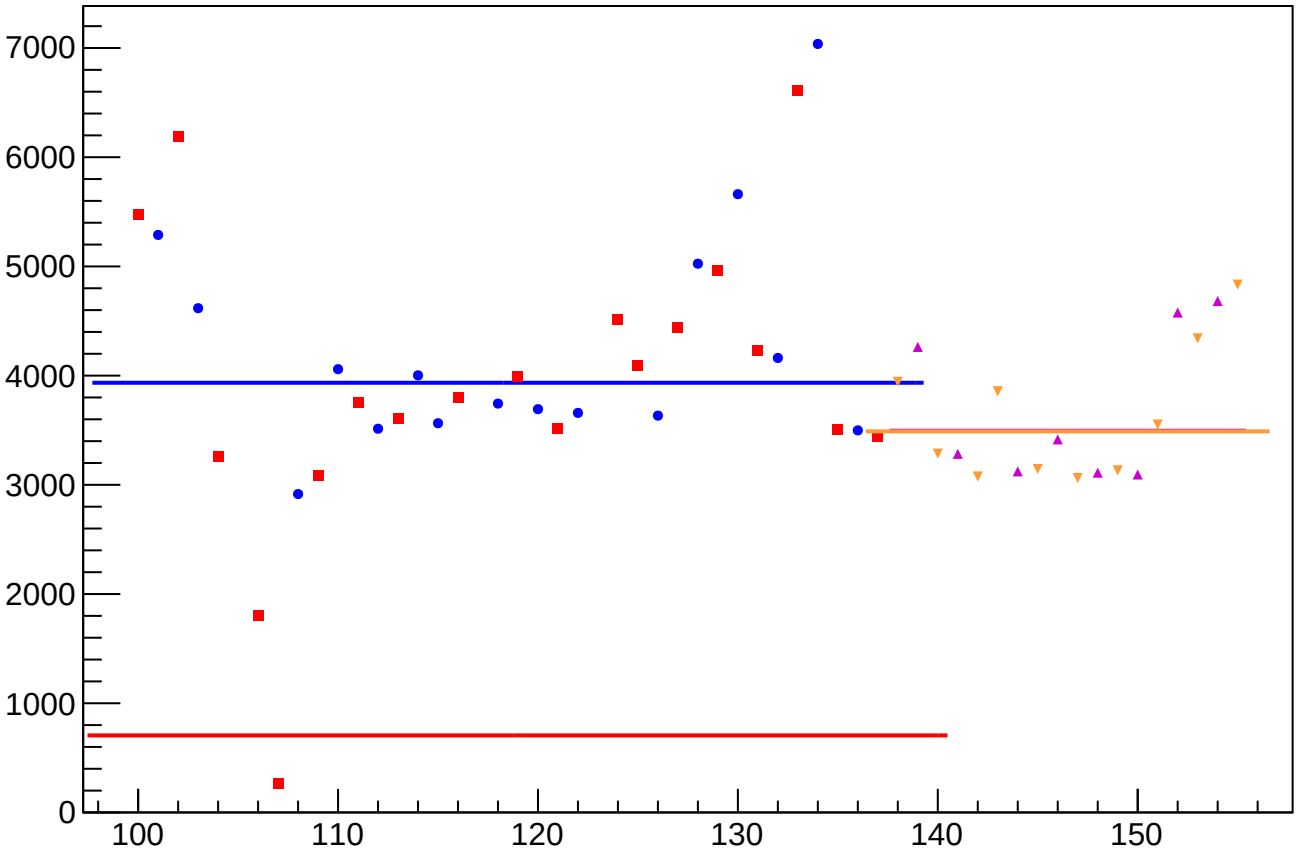
Left: -1233.943+/-920.032 χ^2/NDF: 12.2/17

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 272.999+/-999.956 χ^2/NDF:18.8/23

Out: -173.214+/-474.853 χ^2/NDF:27.9/28

All: -91.107+/-428.945 χ^2/NDF: 46.9/52



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3489.742+/-0.895 χ^2/NDF:321015.6/9

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3495.520+/-0.948 χ^2/NDF:353092.7/7

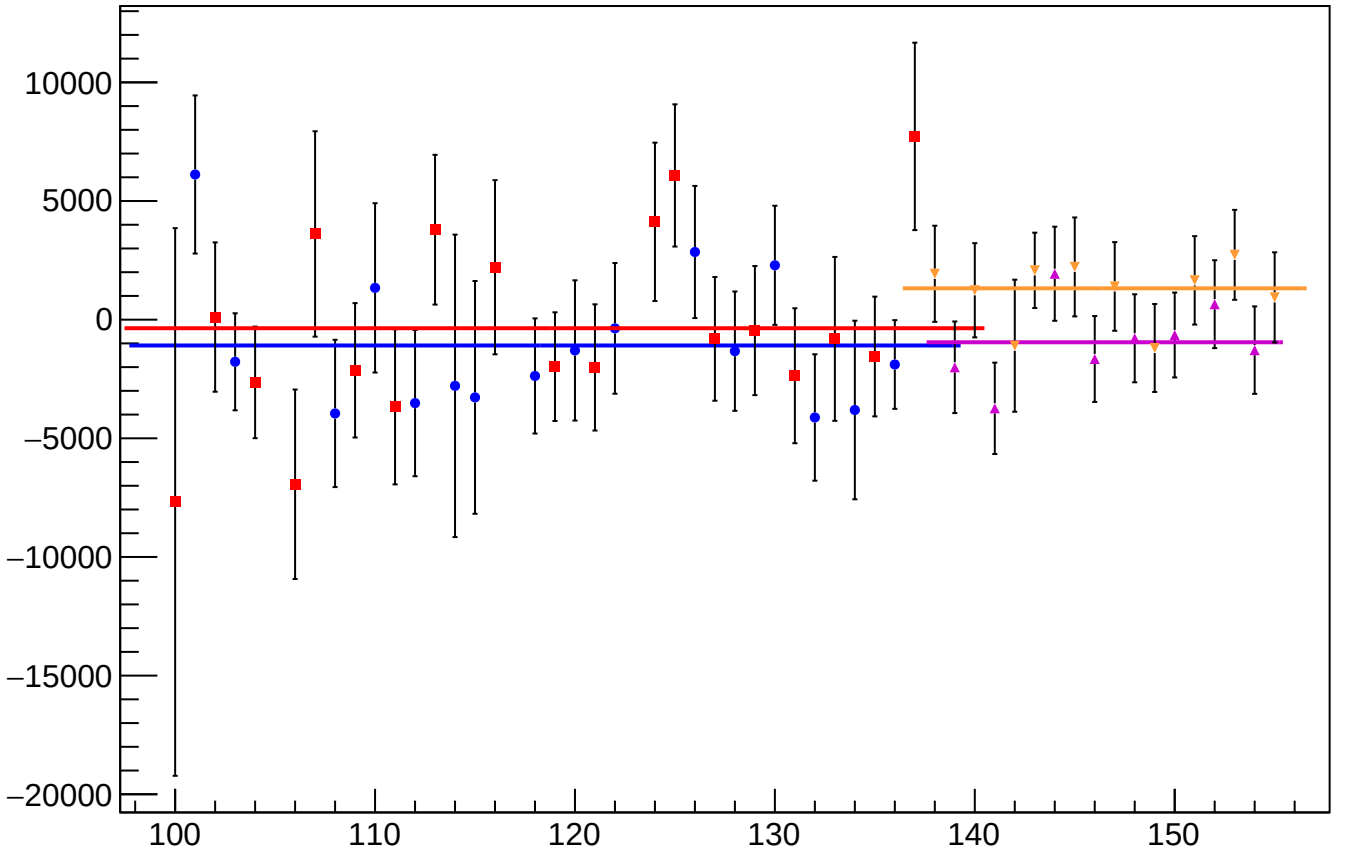
Left: 3492.466+/-0.651 χ^2/NDF: 674128.0/17

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3690.151+/-0.707 χ^2/NDF:1008455.2/23

Out: 1097.659+/-0.336 χ^2/NDF:19386196.9/28

All: 1574.704+/-0.303 χ^2/NDF: 31364184.2/5



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1320.401+/-611.429 χ^2/NDF:3.7/9

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -952.220+/-661.237 χ^2/NDF:5.5/7

Left: 272.898+/-448.923 χ^2/NDF: 15.6/17

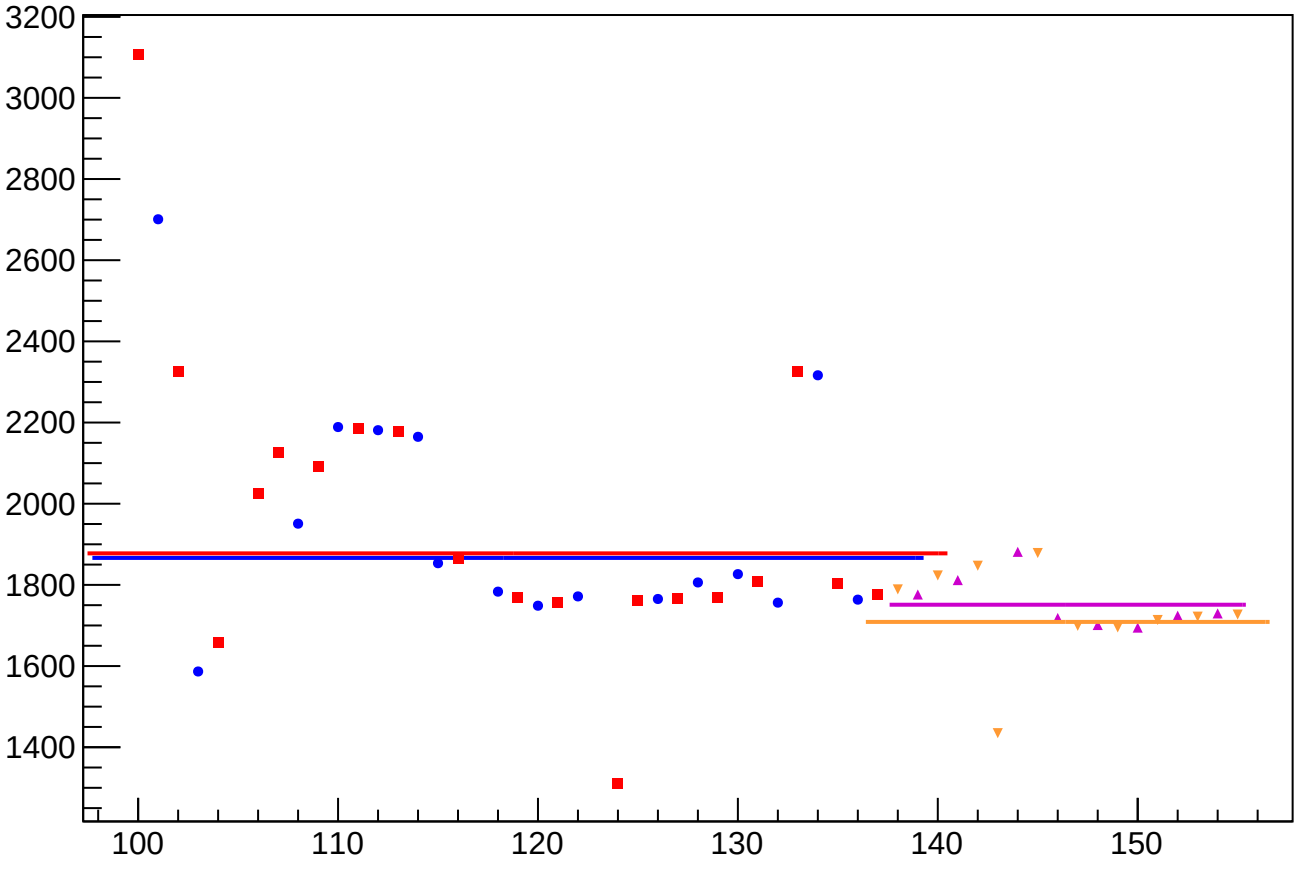
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1016.161+/-480.549 χ^2/NDF:18.7/23

Out: 592.253+/-460.401 χ^2/NDF:27.8/28

All: -177.530+/-332.447 χ^2/NDF: 52.4/52

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1708.781+/-0.432 χ^2/NDF:88056.0/9

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1751.120+/-0.468 χ^2/NDF:15756.8/7

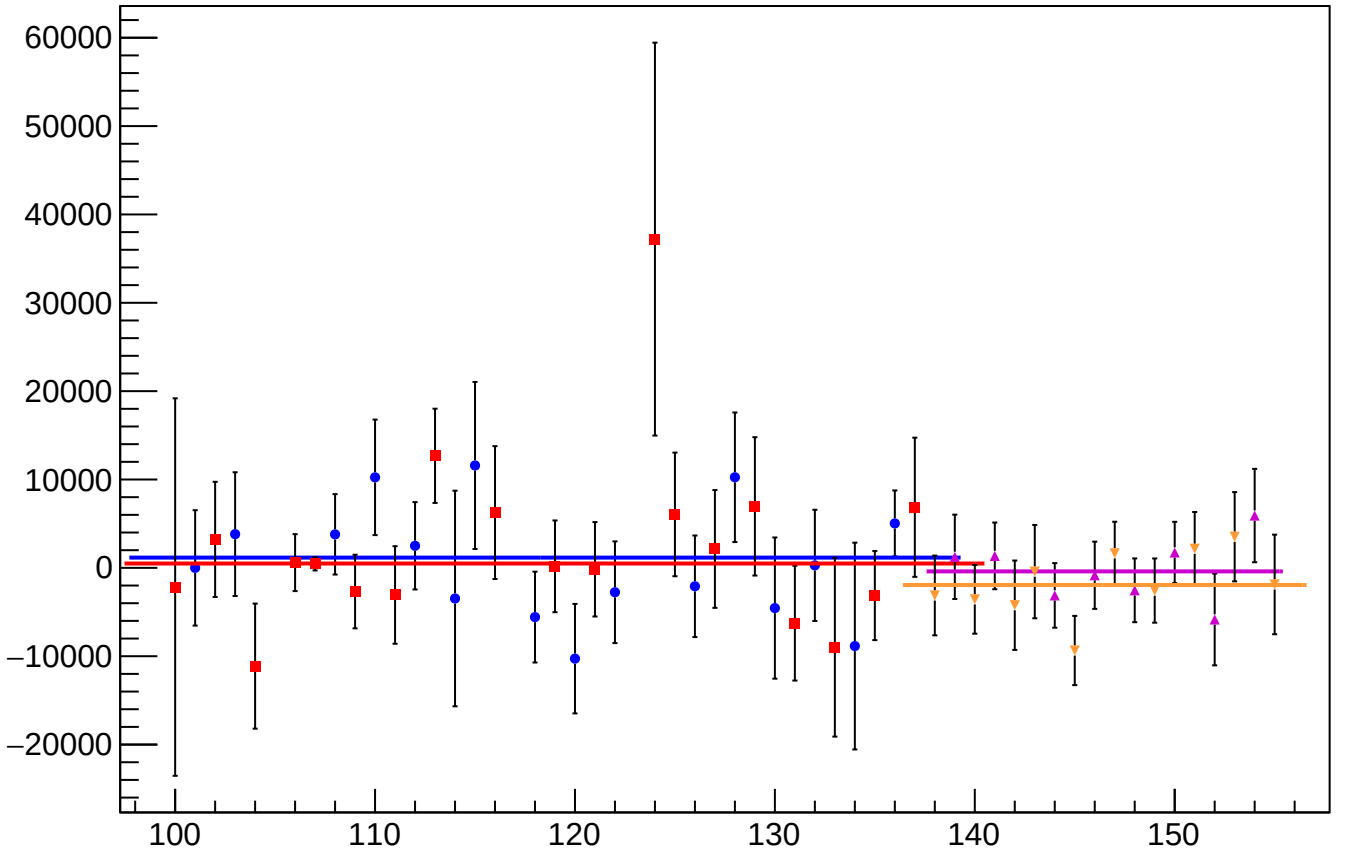
Left: 1728.296+/-0.317 χ^2/NDF: 108233.0/17

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1805.541+/-0.340 χ^2/NDF:300729.9/23

Out: 1781.974+/-0.325 χ^2/NDF:406033.9/28

All: 1793.249+/-0.235 χ^2/NDF: 709272.6/52



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -1936.371+/-1363.829 χ^2/NDF:7.3/9

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -398.679+/-1427.209 χ^2/NDF:4.2/7

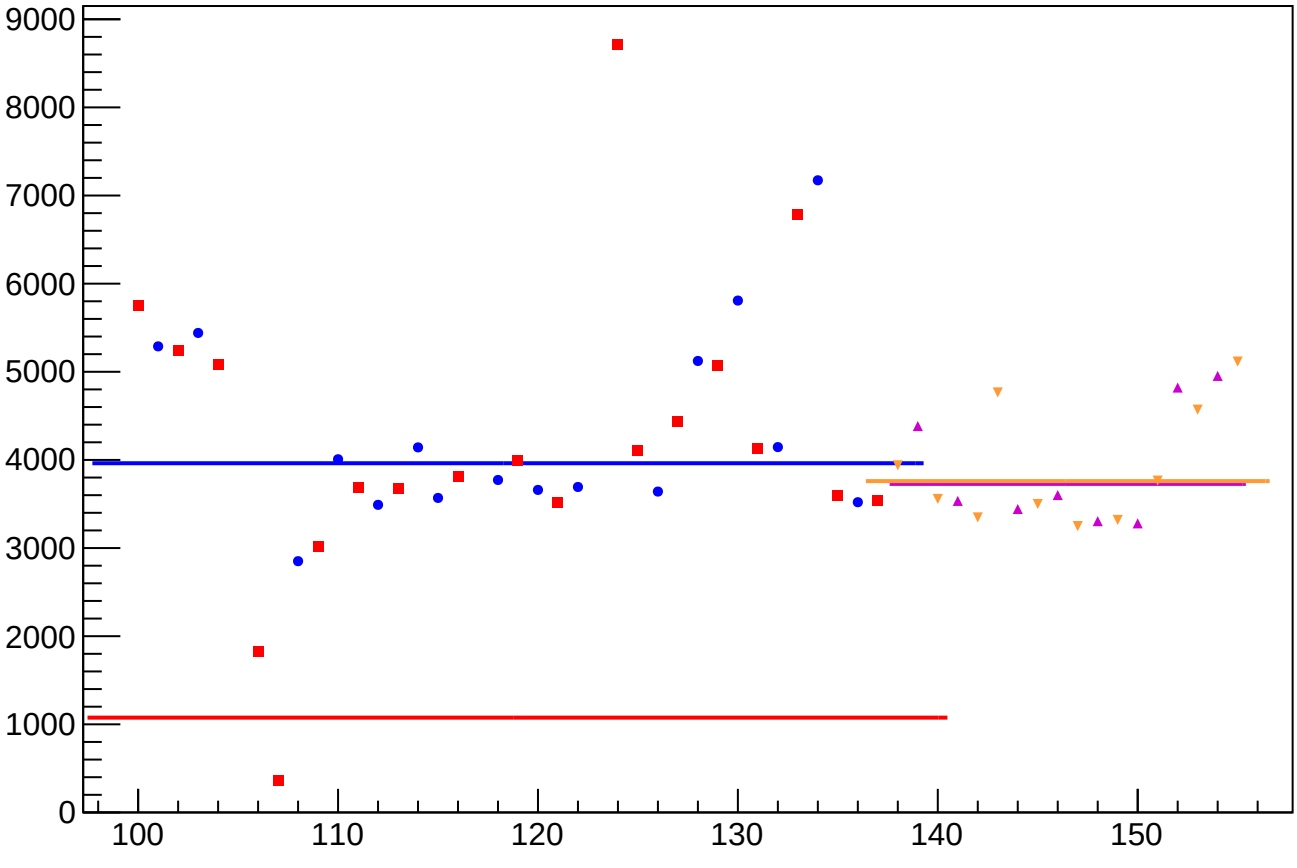
Left: -1202.425+/-986.018 χ^2/NDF: 12.1/17

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 336.146+/-1037.943 χ^2/NDF:18.4/23

Out: 33.632+/-593.004 χ^2/NDF:26.8/28

All: 108.077+/-514.894 χ^2/NDF: 45.2/52



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3759.560+/-0.964 χ^2/NDF:340781.4/9

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3727.929+/-1.009 χ^2/NDF:314344.7/7

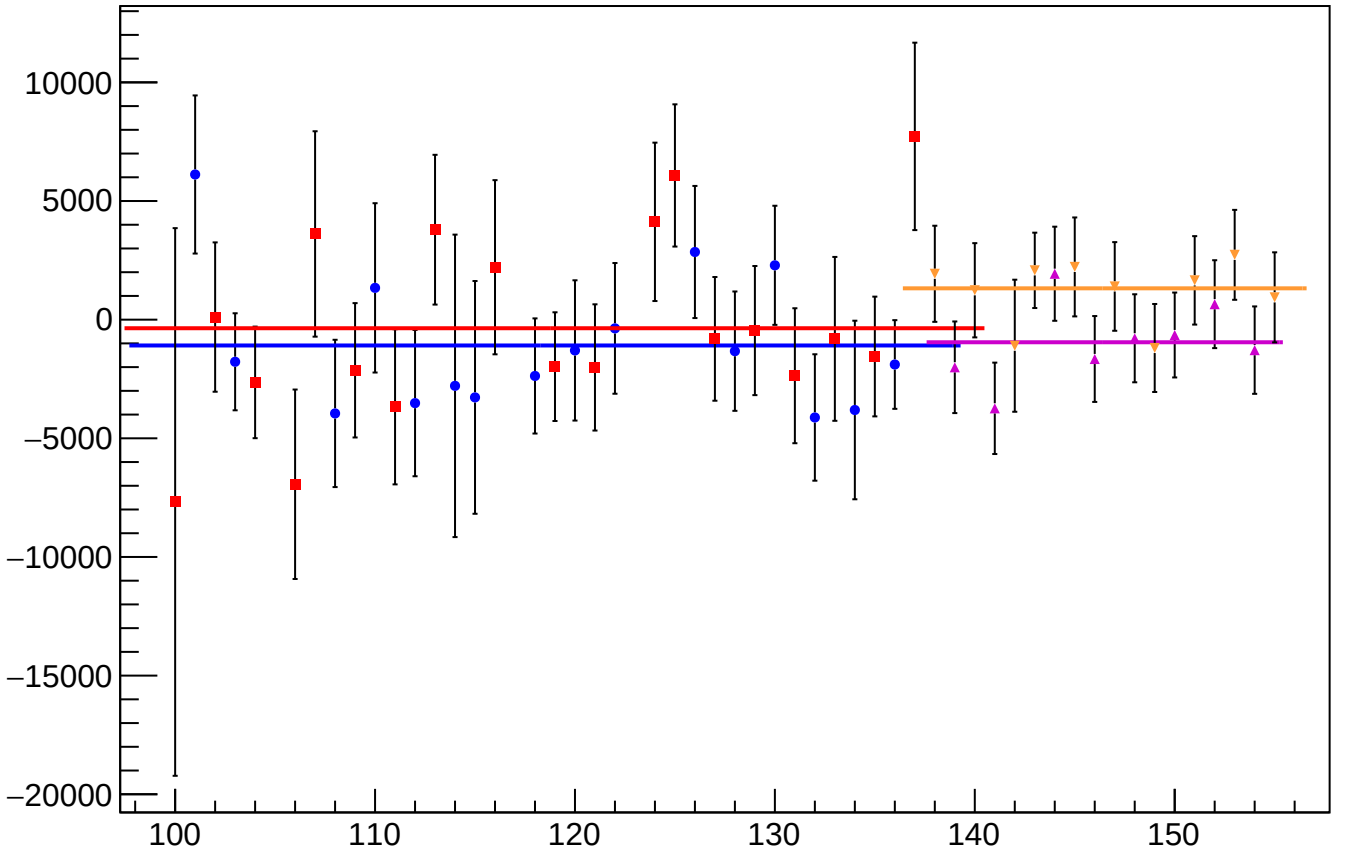
Left: 3744.463+/-0.697 χ^2/NDF: 655639.6/17

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3838.374+/-0.734 χ^2/NDF:1008107.2/23

Out: 1583.314+/-0.419 χ^2/NDF:16178822.8/28

All: 2138.255+/-0.364 χ^2/NDF: 24304306.1/5



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1320.401+/-611.429 χ^2/NDF:3.7/9

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -952.216+/-661.238 χ^2/NDF:5.5/7

Left: 272.900+/-448.923 χ^2/NDF: 15.6/17

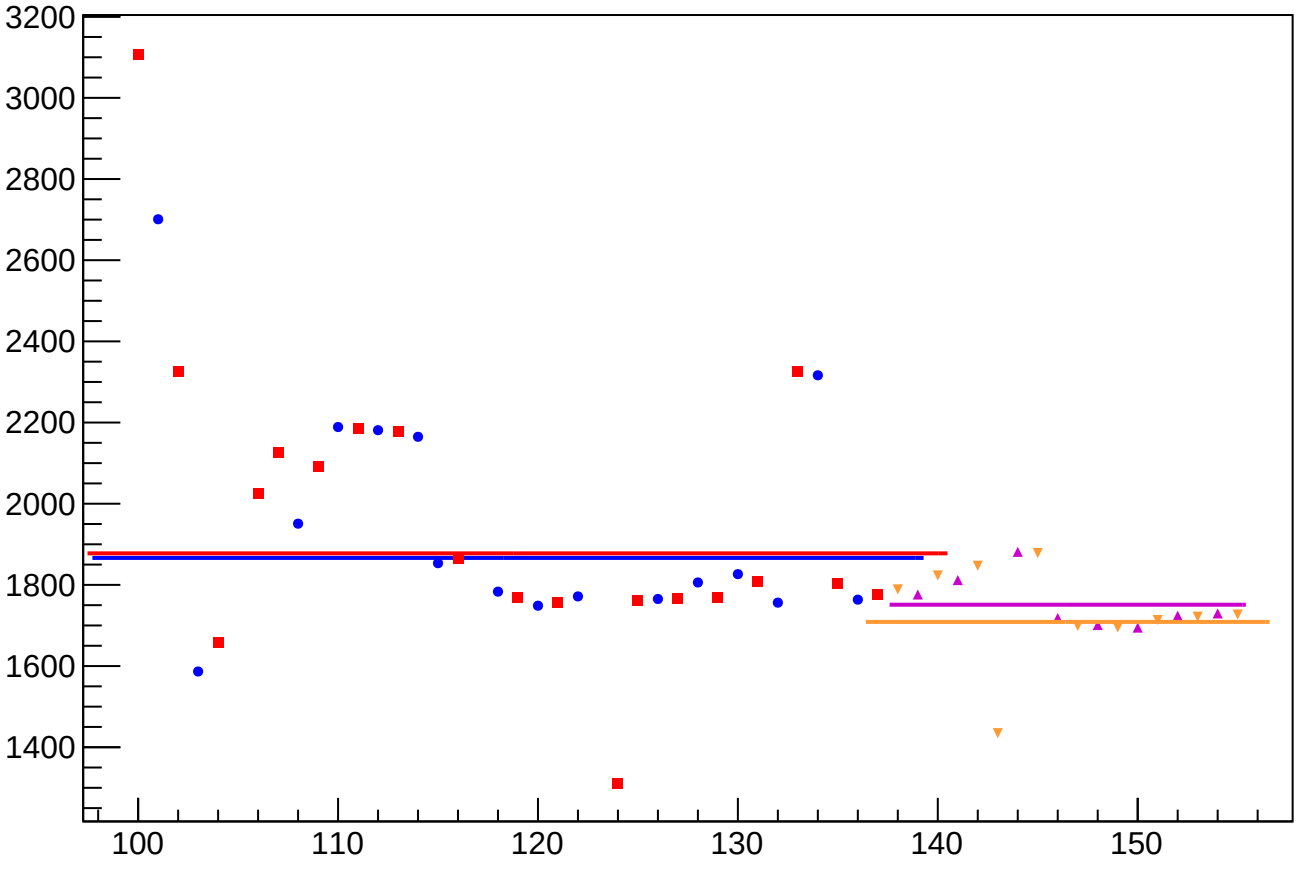
Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1016.161+/-480.549 χ^2/NDF:18.7/23

Out: 592.251+/-460.401 χ^2/NDF:27.8/28

All: -177.531+/-332.447 χ^2/NDF: 52.4/52

eigen_dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1708.782+/-0.432 χ^2/NDF:88055.1/9

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1751.120+/-0.468 χ^2/NDF:15756.7/7

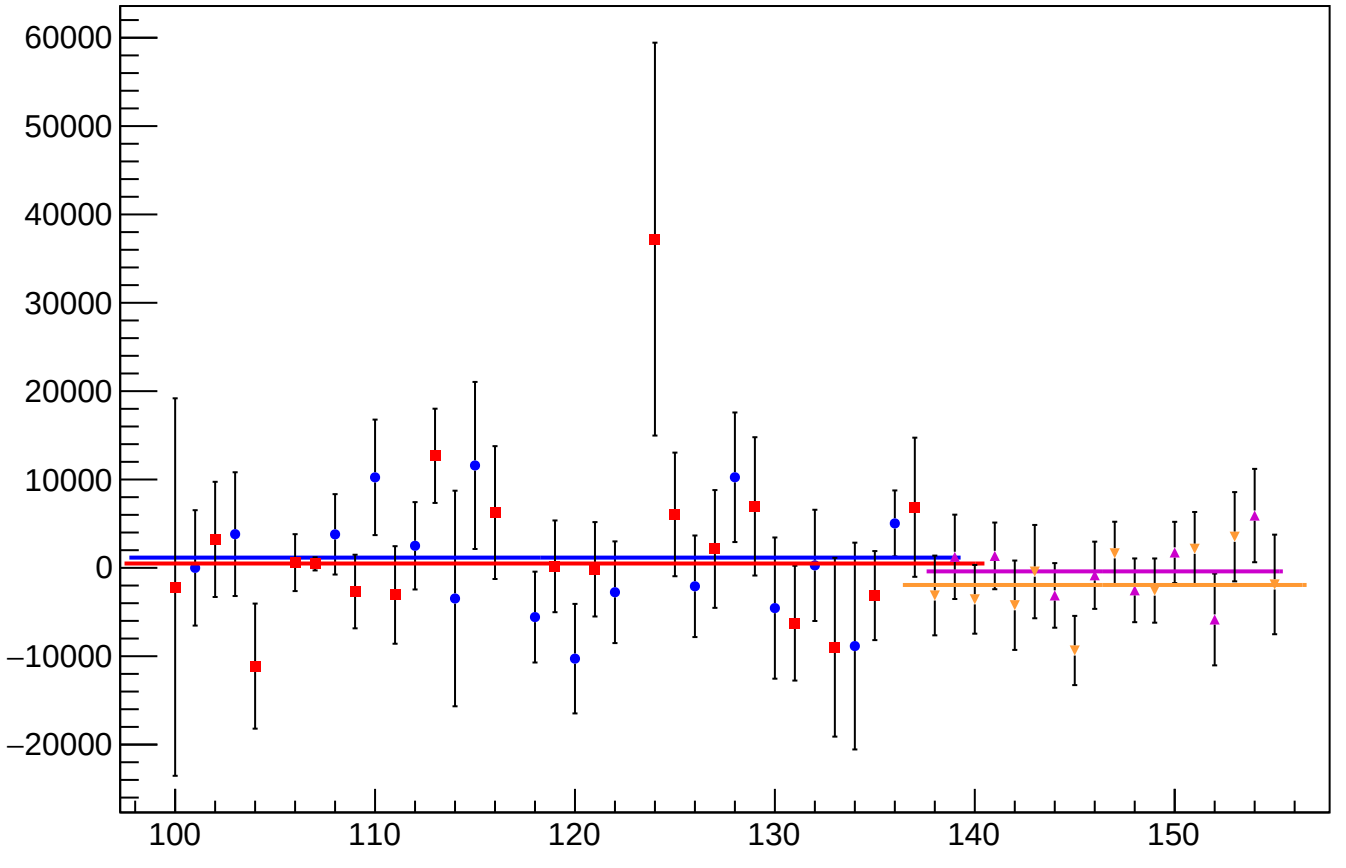
Left: 1728.297+/-0.317 χ^2/NDF: 108231.9/17

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1805.541+/-0.340 χ^2/NDF:300729.4/23

Out: 1781.975+/-0.325 χ^2/NDF:406032.6/28

All: 1793.249+/-0.235 χ^2/NDF: 709270.7/52



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -1936.370+/-1363.830 χ^2/NDF:7.3/9

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -398.675+/-1427.210 χ^2/NDF:4.2/7

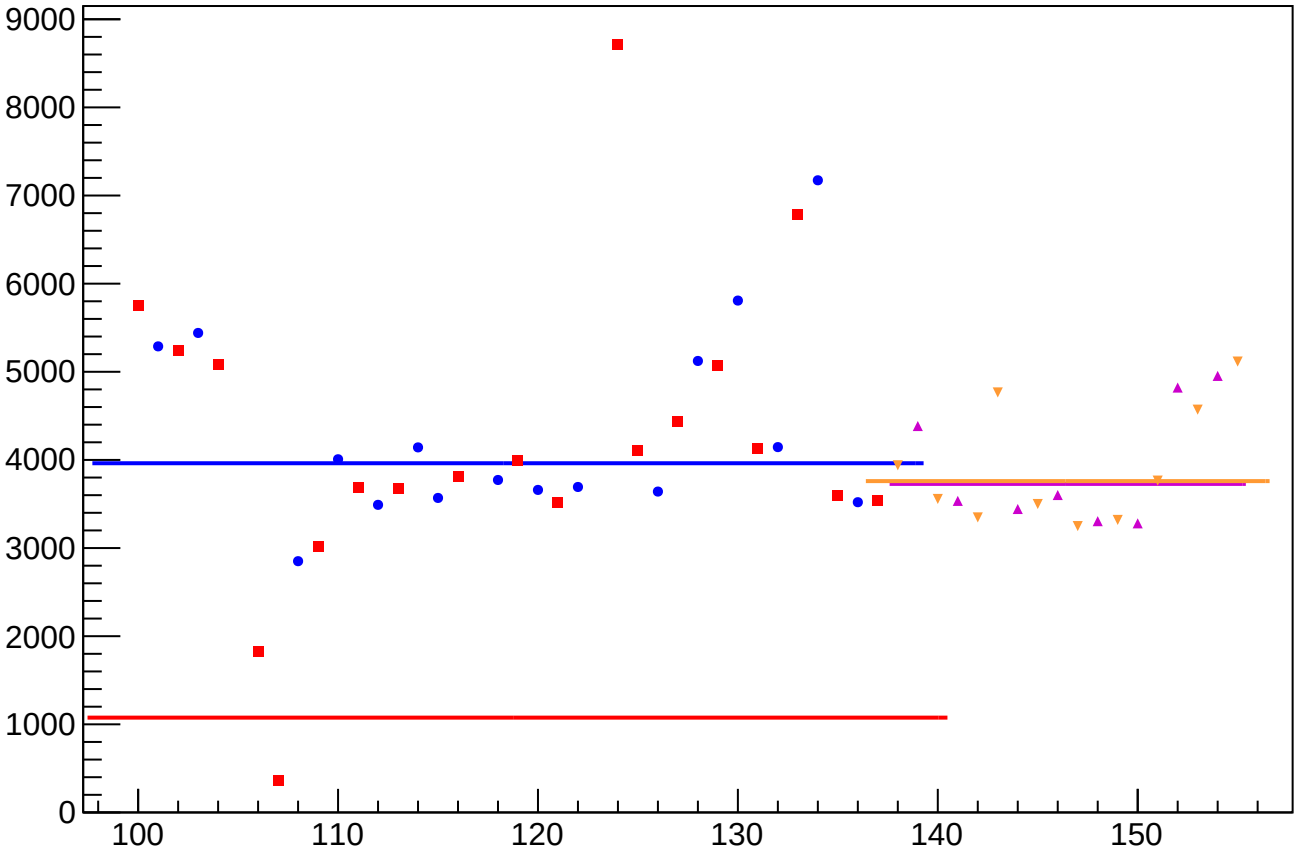
Left: -1202.424+/-986.019 χ^2/NDF: 12.1/17

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 336.141+/-1037.943 χ^2/NDF:18.4/23

Out: 33.627+/-593.012 χ^2/NDF:26.8/28

All: 108.073+/-514.899 χ^2/NDF: 45.2/52



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3759.564+/-0.964 χ^2/NDF:340779.3/9

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3727.934+/-1.009 χ^2/NDF:314343.5/7

Left: 3744.467+/-0.697 χ^2/NDF: 655636.3/17

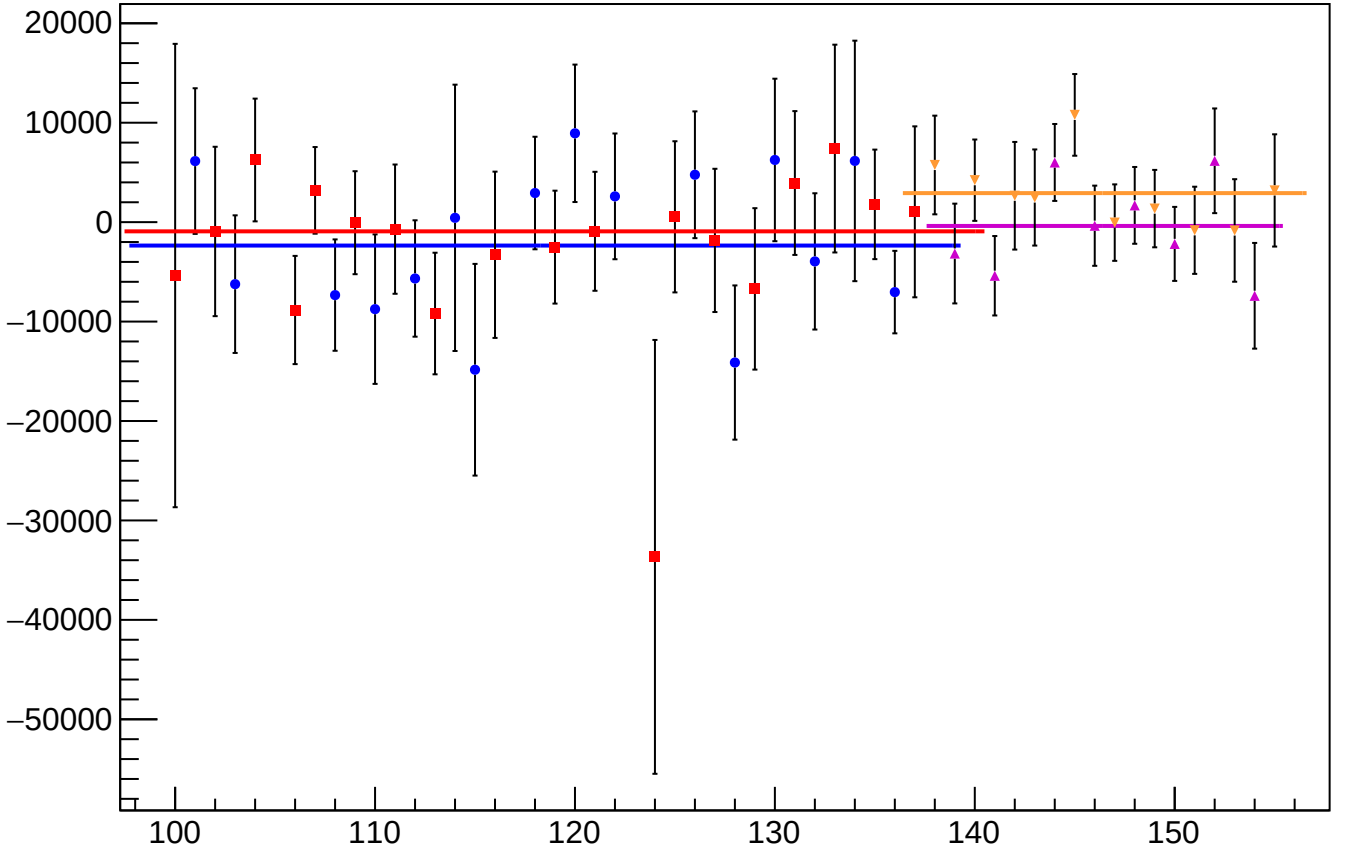
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3838.373+/-0.734 χ^2/NDF:1008100.1/23

Out: 1583.353+/-0.419 χ^2/NDF:16178516.9/28

All: 2138.296+/-0.364 χ^2/NDF: 24303704.3/5

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 2919.786+/-1426.792 χ^2/NDF:6.1/9

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: -381.754+/-1505.141 χ^2/NDF:8.4/7

Left: 1357.179+/-1035.485 χ^2/NDF: 17.1/17

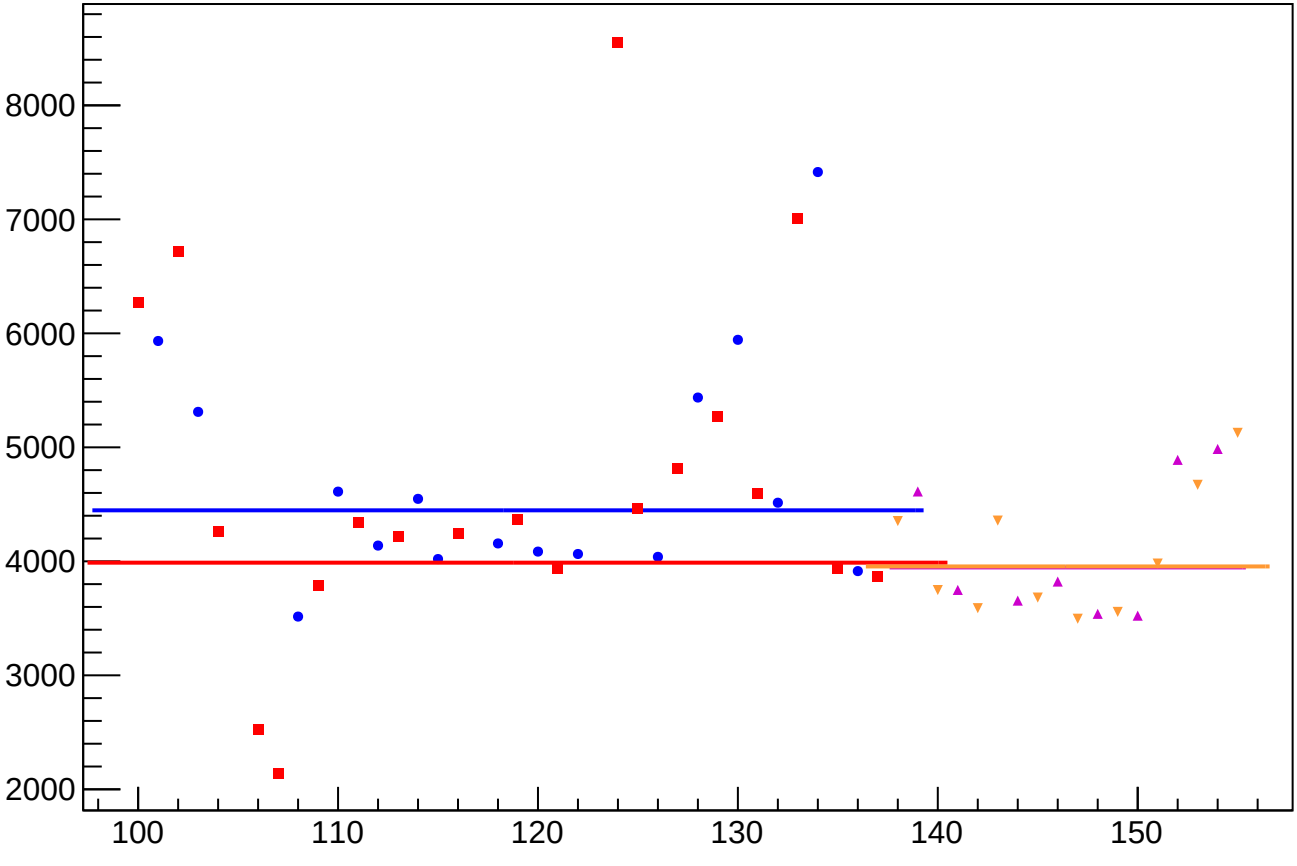
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -1257.537+/-1122.454 χ^2/NDF:24.7/23

Out: 1152.467+/-1048.785 χ^2/NDF:20.1/28

All: 29.140+/-766.324 χ^2/NDF: 47.3/52

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3955.140+/-1.009 χ^2/NDF:224153.1/9

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 3946.578+/-1.064 χ^2/NDF:242149.2/7

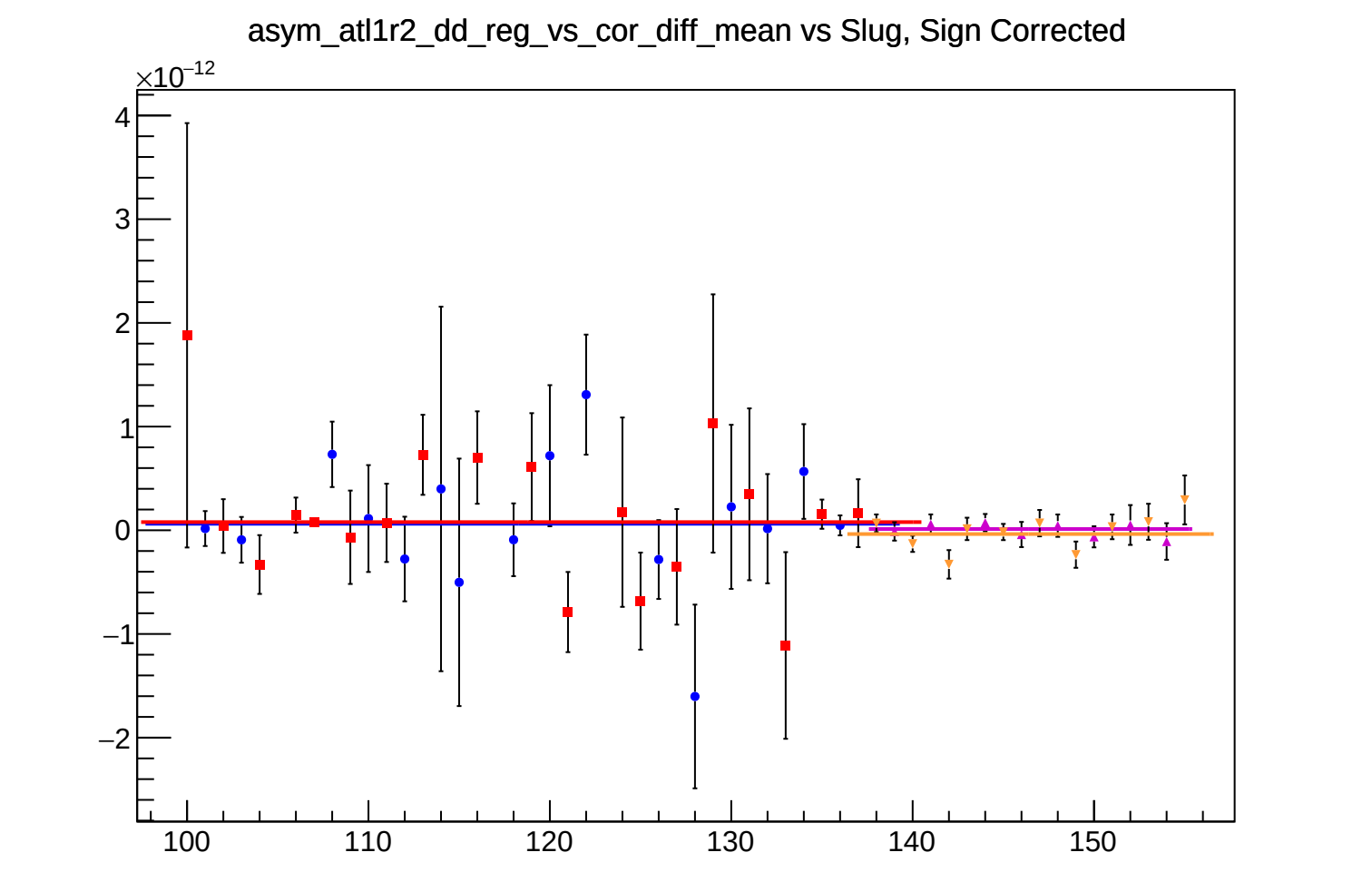
Left: 3951.088+/-0.732 χ^2/NDF: 466336.3/17

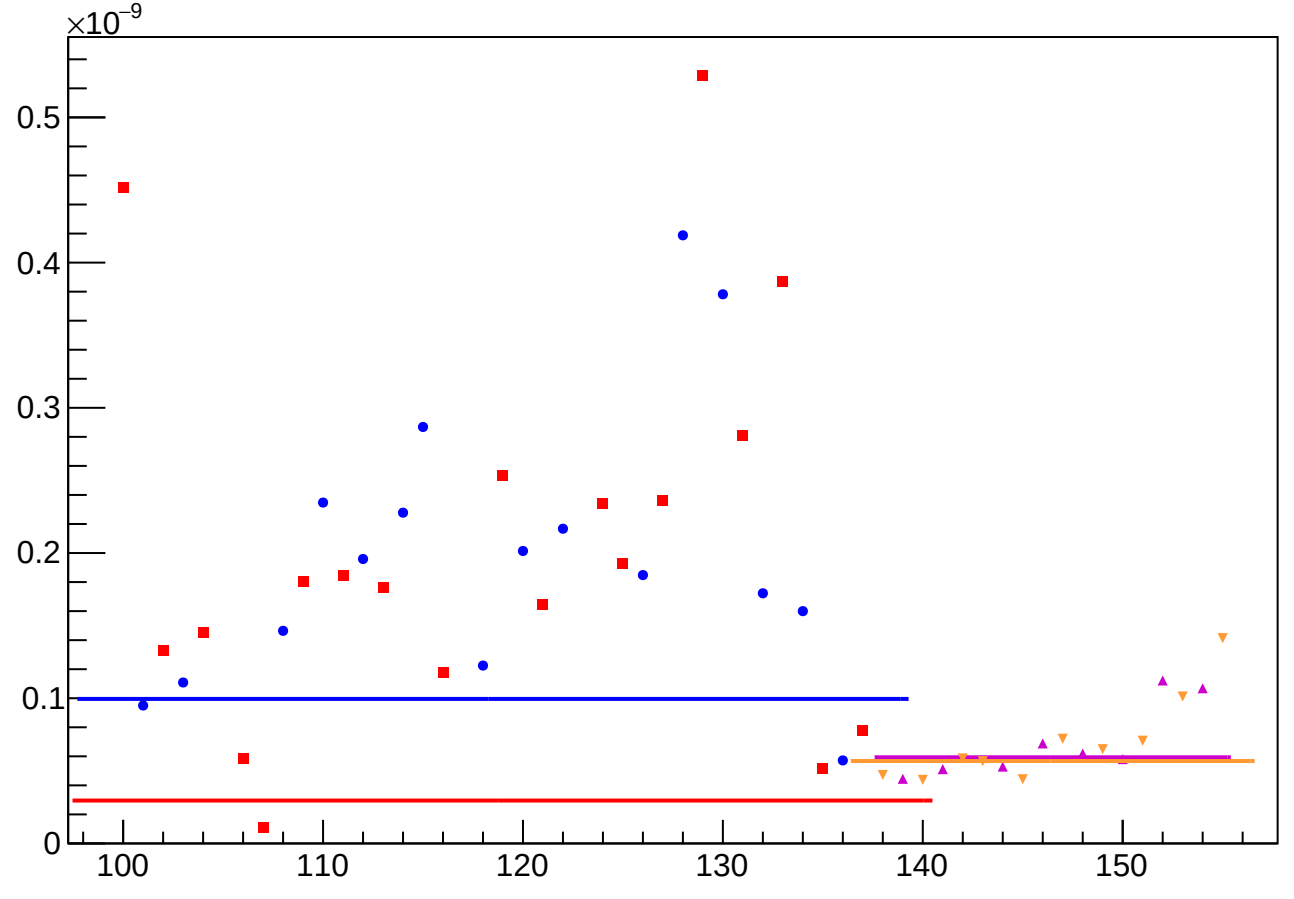
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4168.885+/-0.794 χ^2/NDF:798695.4/23

Out: 3970.523+/-0.738 χ^2/NDF:1368585.8/28

All: 4062.527+/-0.541 χ^2/NDF: 2200771.5/52


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:13.6/9
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:2.2/7
Left: -0.000+/-0.000 χ²/NDF: 16.7/17
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:20.0/23
Out: 0.000+/-0.000 χ²/NDF:39.5/28
All: 0.000+/-0.000 χ²/NDF: 59.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:585633.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:393616.3/7

Left: 0.000+/-0.000 χ^2/NDF: 984264.2/17

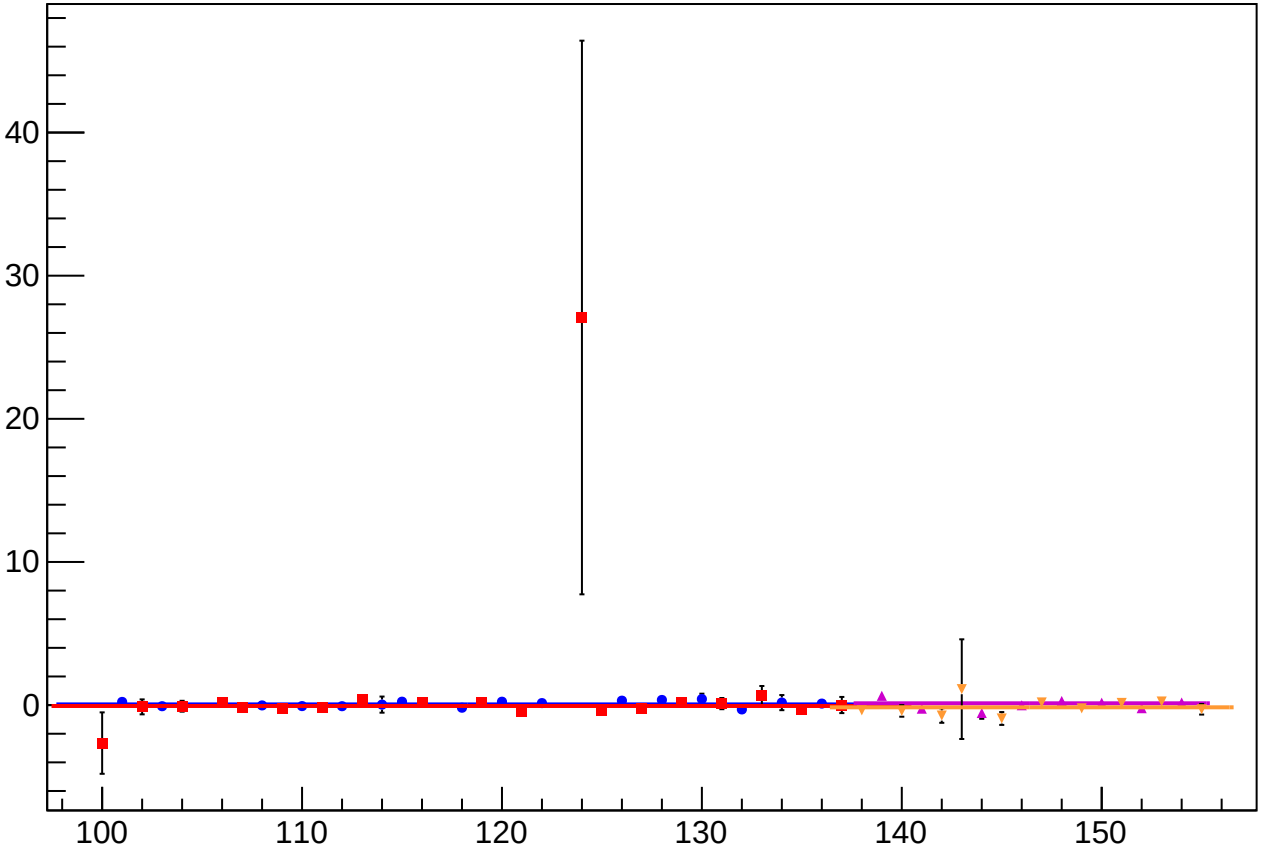
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2487973.5/23

Out: 0.000+/-0.000 χ^2/NDF:5598094.4/28

All: 0.000+/-0.000 χ^2/NDF: 8903106.6/52

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: -0.155+/-0.112 χ^2/NDF:9.6/9

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.125+/-0.106 χ^2/NDF:10.5/7

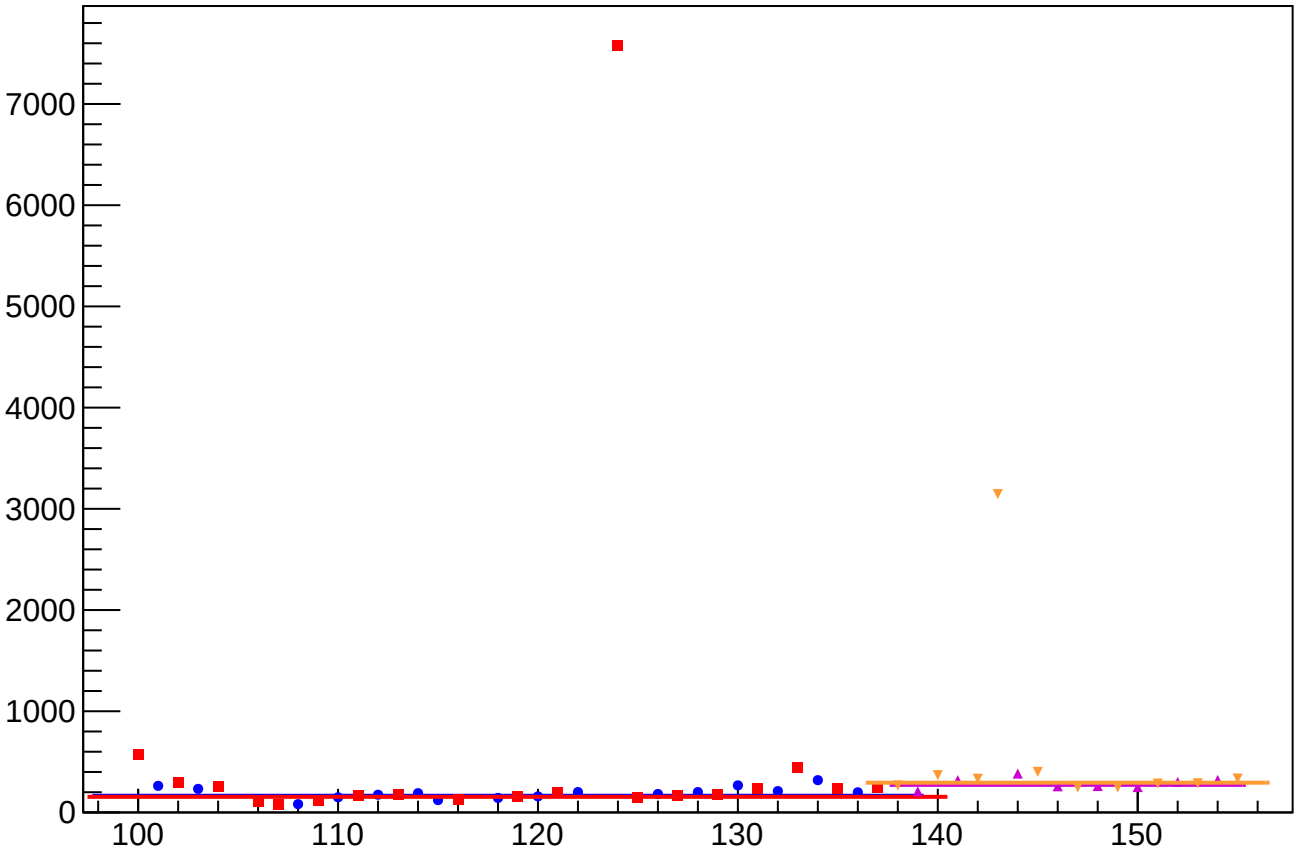
Left: -0.007+/-0.077 χ^2/NDF: 23.4/17

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.070+/-0.056 χ^2/NDF:18.5/23

Out: -0.085+/-0.056 χ^2/NDF:28.5/28

All: -0.008+/-0.040 χ^2/NDF: 50.8/52



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 294.100+/-0.079 χ^2/NDF:1690130.5/9

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 272.886+/-0.075 χ^2/NDF:404806.3/7

Left: 282.875+/-0.054 χ^2/NDF: 2132889.0/17

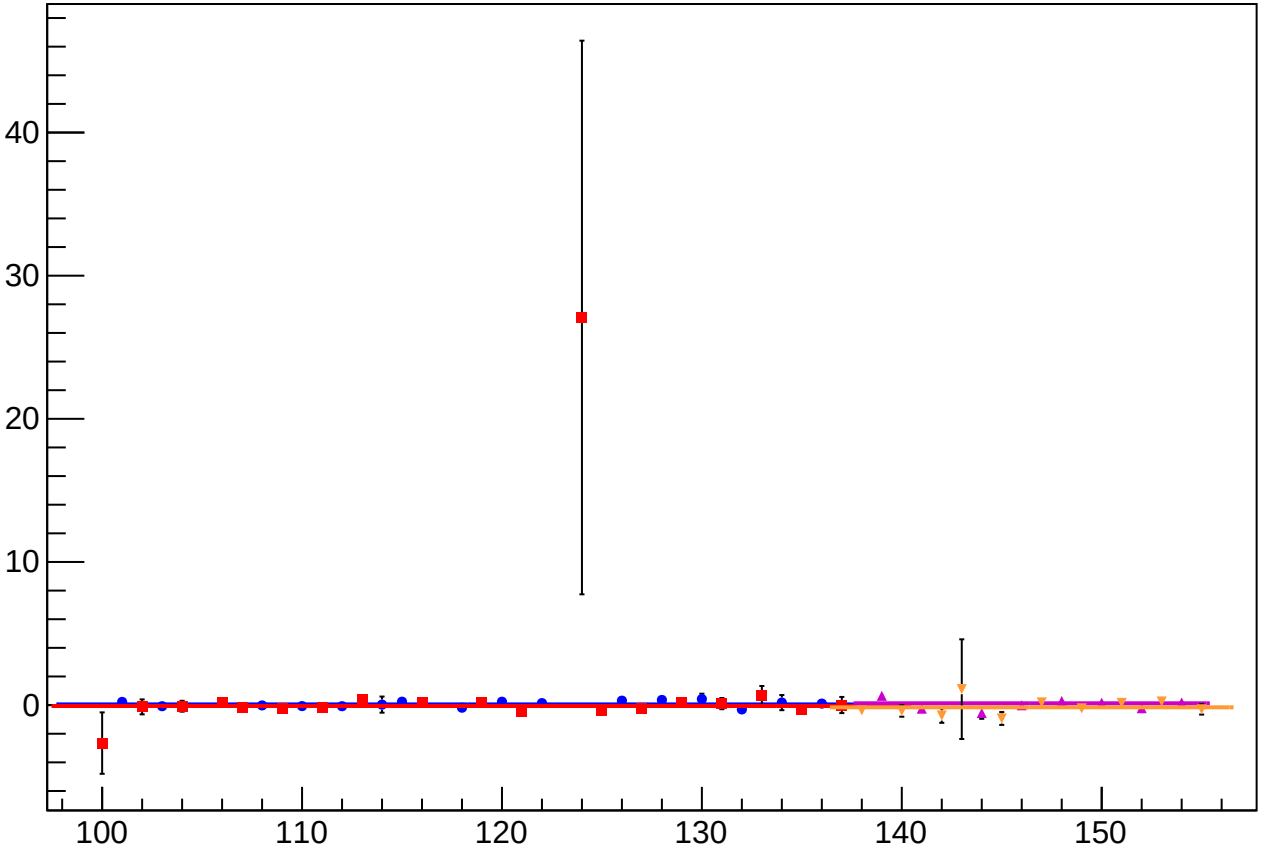
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 195.442+/-0.040 χ^2/NDF:3377695.0/23

Out: 189.096+/-0.039 χ^2/NDF:5949652.6/28

All: 192.247+/-0.028 χ^2/NDF: 9340173.1/52

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: -0.155+/-0.112 χ^2/NDF:9.6/9

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.125+/-0.106 χ^2/NDF:10.5/7

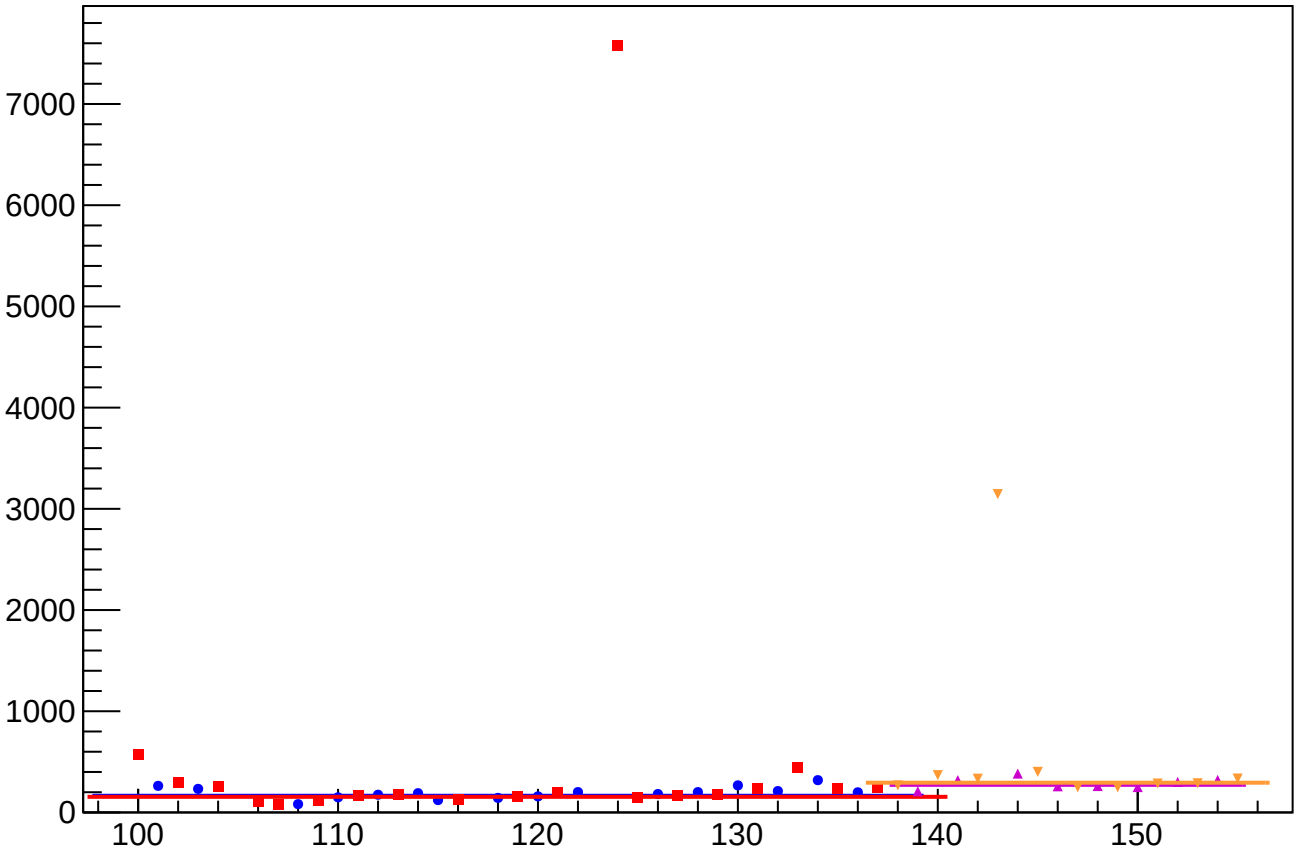
Left: -0.007+/-0.077 χ^2/NDF: 23.4/17

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.070+/-0.056 χ^2/NDF:18.5/23

Out: -0.085+/-0.056 χ^2/NDF:28.5/28

All: -0.008+/-0.040 χ^2/NDF: 50.8/52



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 294.100+/-0.079 χ^2/NDF:1690130.5/9

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 272.886+/-0.075 χ^2/NDF:404806.3/7

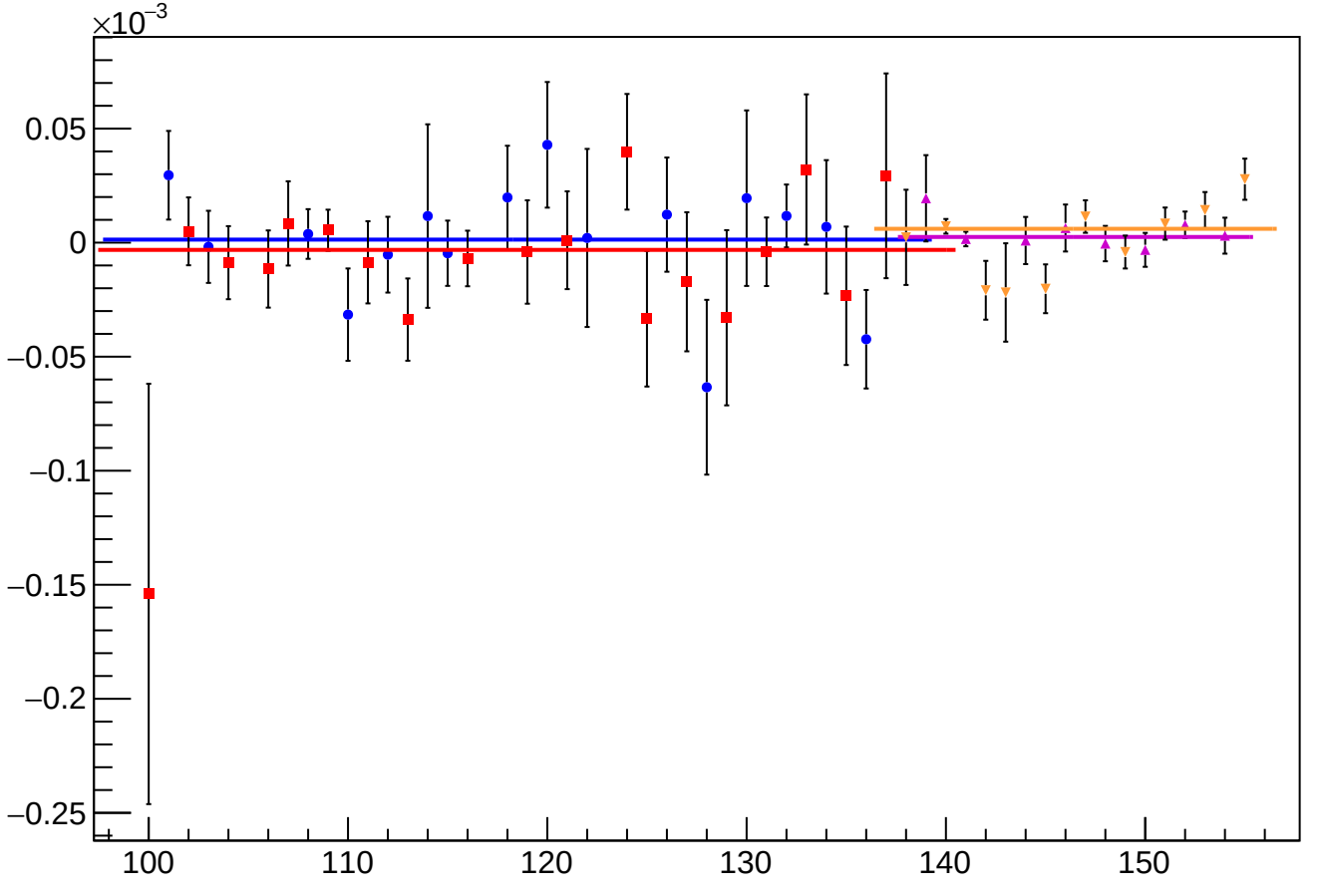
Left: 282.875+/-0.054 χ^2/NDF: 2132889.0/17

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 195.442+/-0.040 χ^2/NDF:3377695.0/23

Out: 189.096+/-0.039 χ^2/NDF:5949652.6/28

All: 192.247+/-0.028 χ^2/NDF: 9340173.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/7

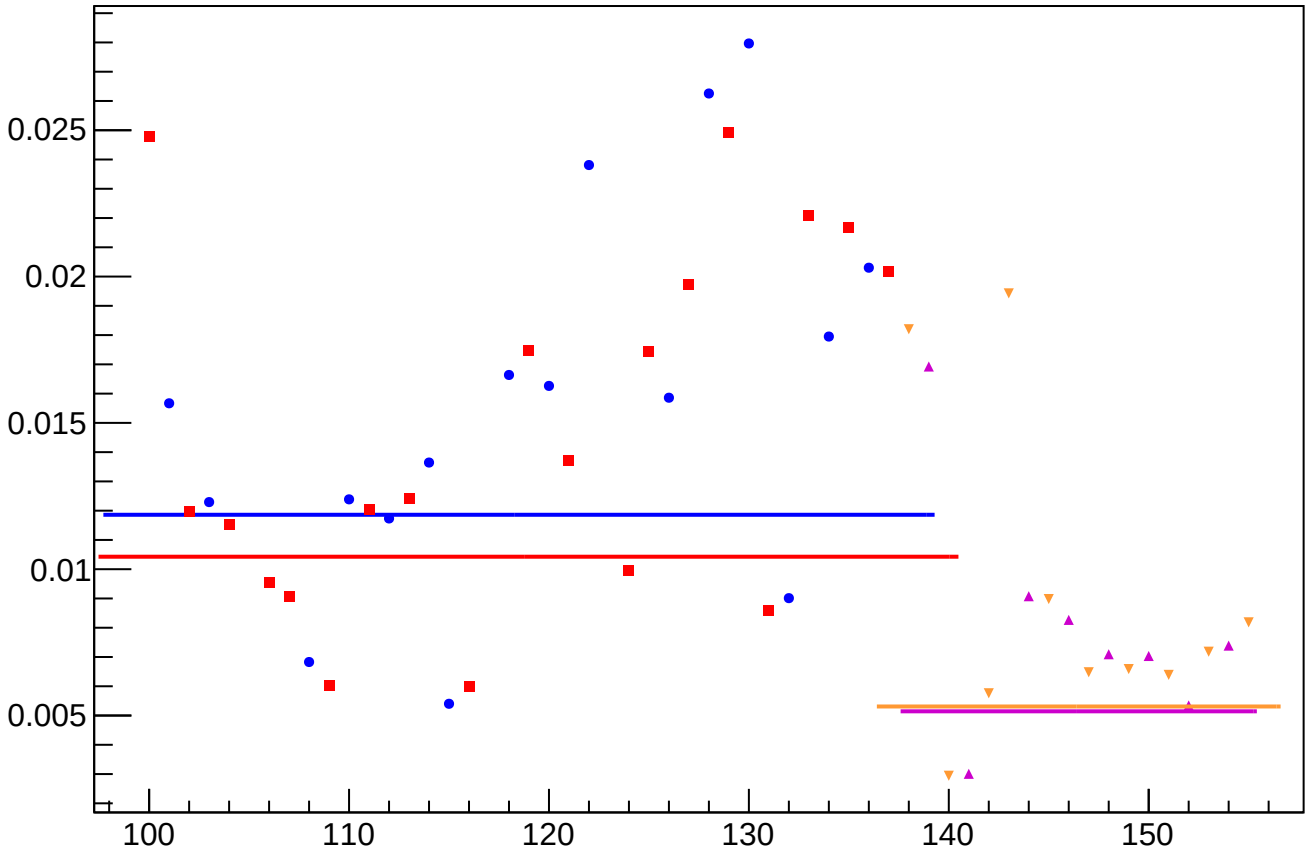
Left: 0.000+/-0.000 χ^2/NDF: 25.7/17

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:18.8/23

Out: 0.000+/-0.000 χ^2/NDF:40.1/28

All: 0.000+/-0.000 χ^2/NDF: 59.3/52



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:3422087.8/9

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.005+/-0.000 χ^2/NDF:2557844.7/7

Left: 0.005+/-0.000 χ^2/NDF: 5985431.1/17

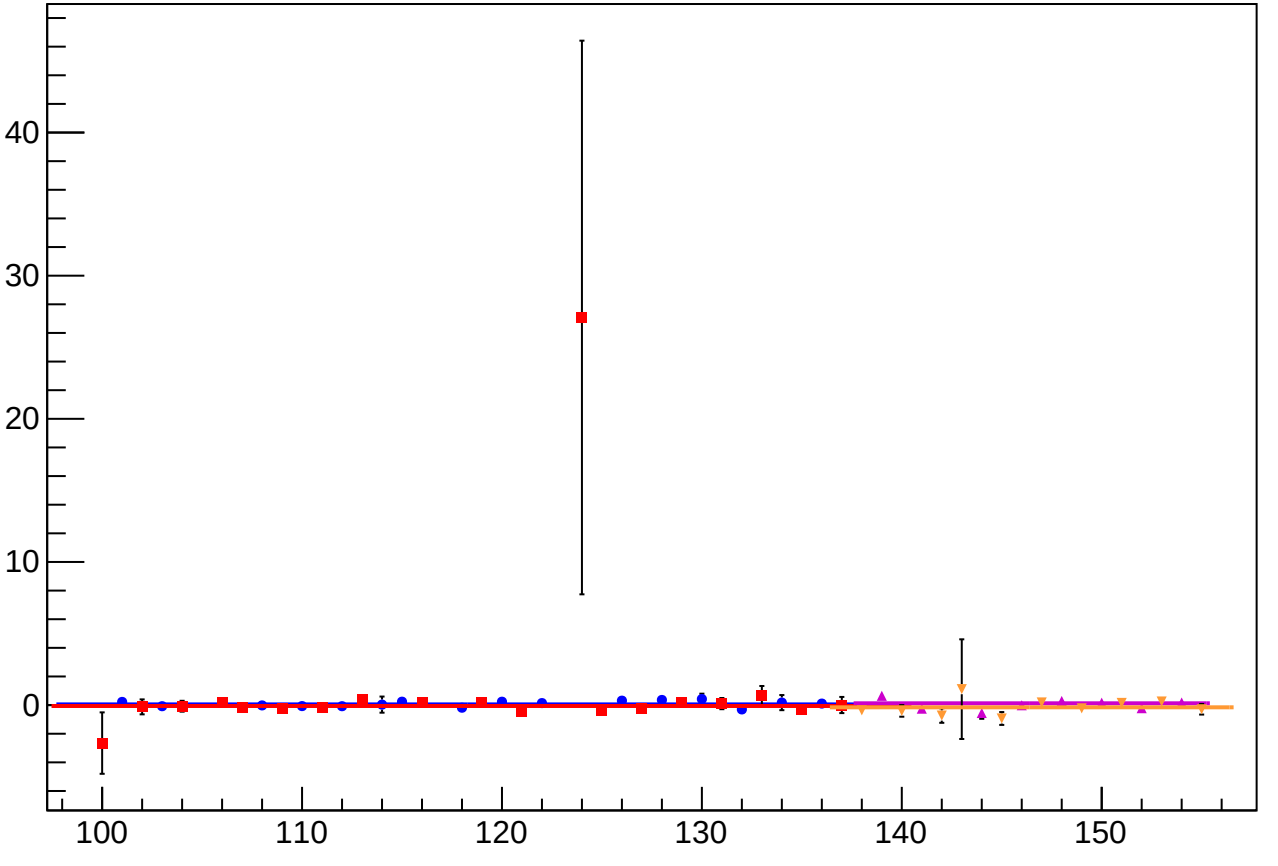
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:8100336.1/23

Out: 0.006+/-0.000 χ^2/NDF:8067468.9/28

All: 0.006+/-0.000 χ^2/NDF: 16169968.1/52

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: -0.155+/-0.112 χ^2/NDF:9.6/9

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.125+/-0.106 χ^2/NDF:10.5/7

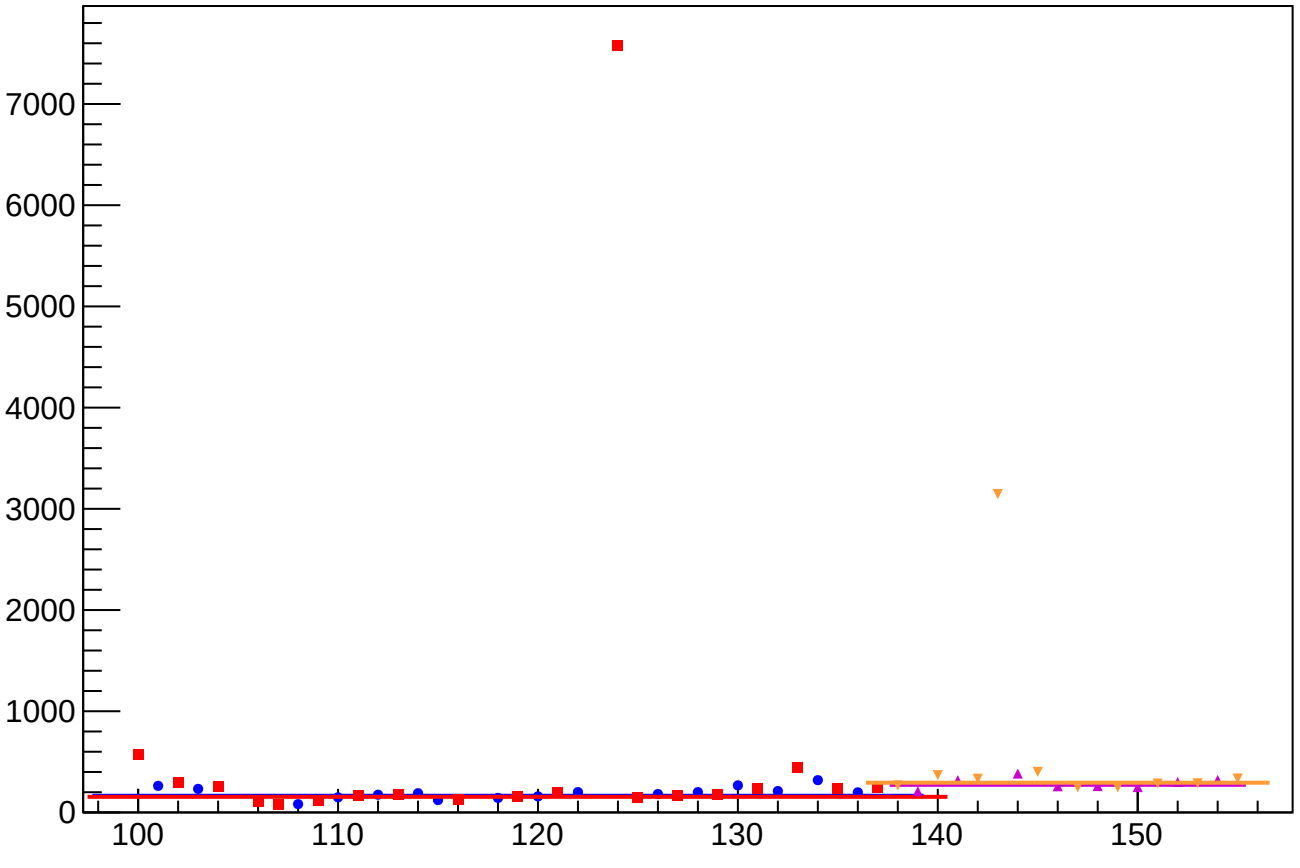
Left: -0.007+/-0.077 χ^2/NDF: 23.4/17

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.070+/-0.056 χ^2/NDF:18.5/23

Out: -0.085+/-0.056 χ^2/NDF:28.5/28

All: -0.008+/-0.040 χ^2/NDF: 50.9/52



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 294.103+/-0.079 χ^2/NDF:1690108.2/9

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 272.889+/-0.075 χ^2/NDF:404780.7/7

Left: 282.879+/-0.054 χ^2/NDF: 2132840.4/17

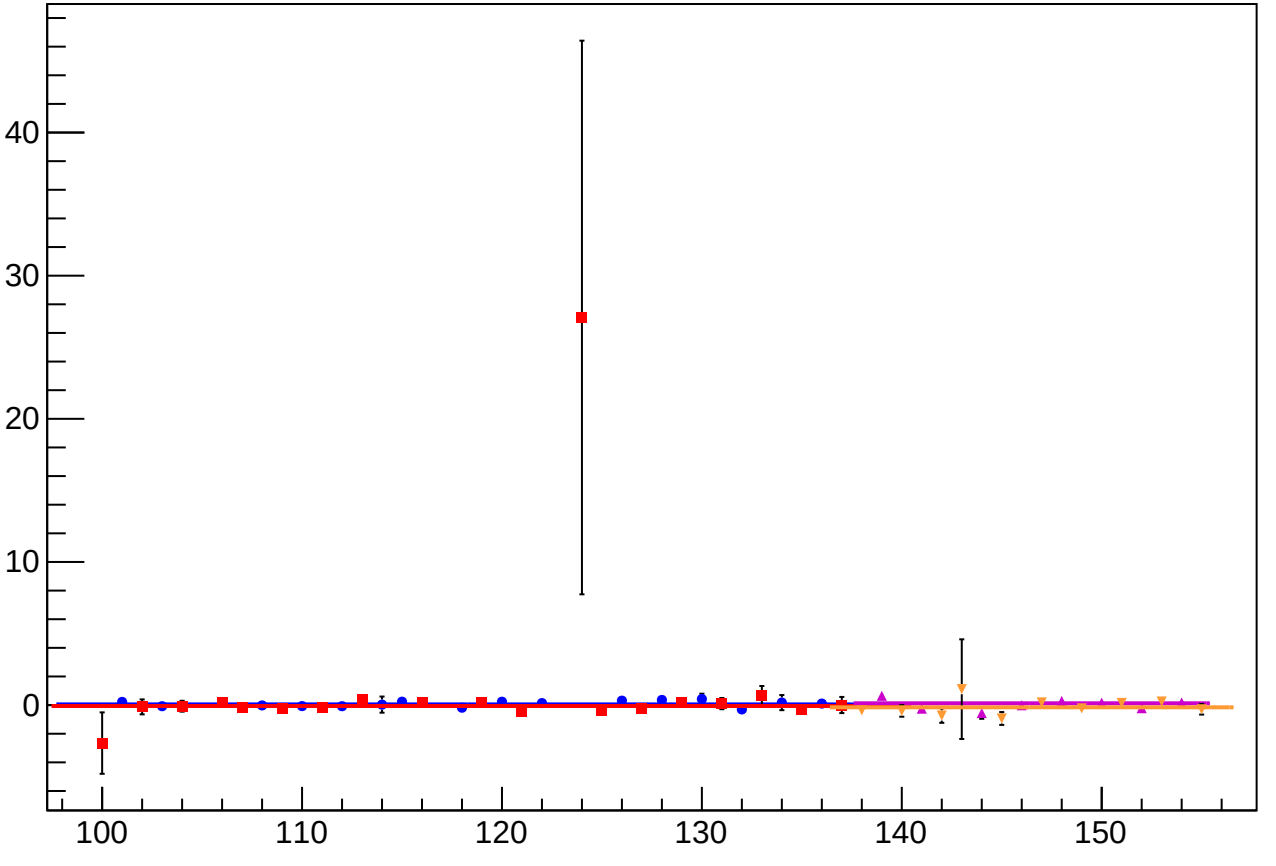
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 195.442+/-0.040 χ^2/NDF:3377720.8/23

Out: 189.096+/-0.039 χ^2/NDF:5949742.6/28

All: 192.247+/-0.028 χ^2/NDF: 9340289.5/52

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: -0.155+/-0.112 χ^2/NDF:9.6/9

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.125+/-0.106 χ^2/NDF:10.5/7

Left: -0.007+/-0.077 χ^2/NDF: 23.4/17

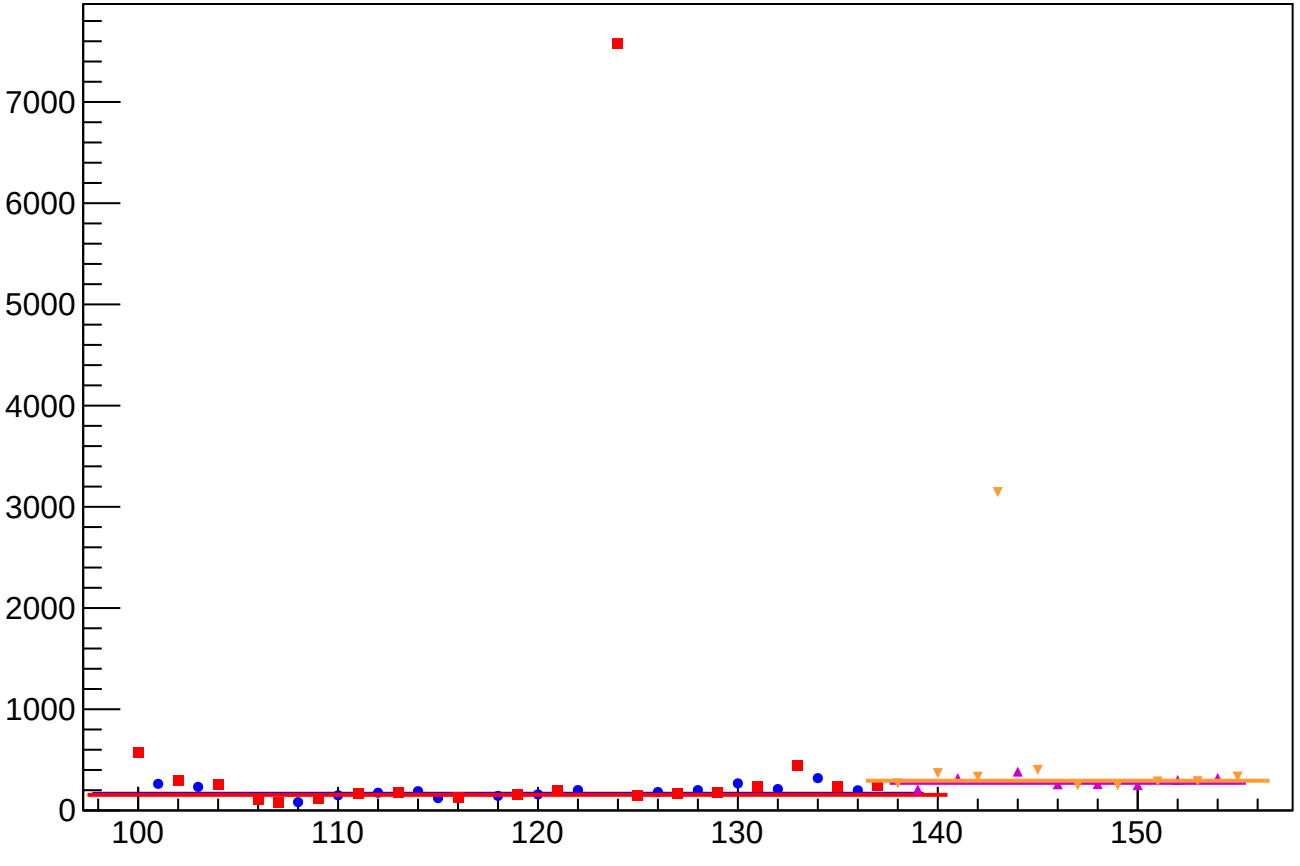
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.070+/-0.056 χ^2/NDF:18.5/23

Out: -0.085+/-0.056 χ^2/NDF:28.5/28

All: -0.008+/-0.040 χ^2/NDF: 50.9/52

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: 294.103+/-0.079 χ^2/NDF:1690108.2/9

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 272.889+/-0.075 χ^2/NDF:404780.7/7

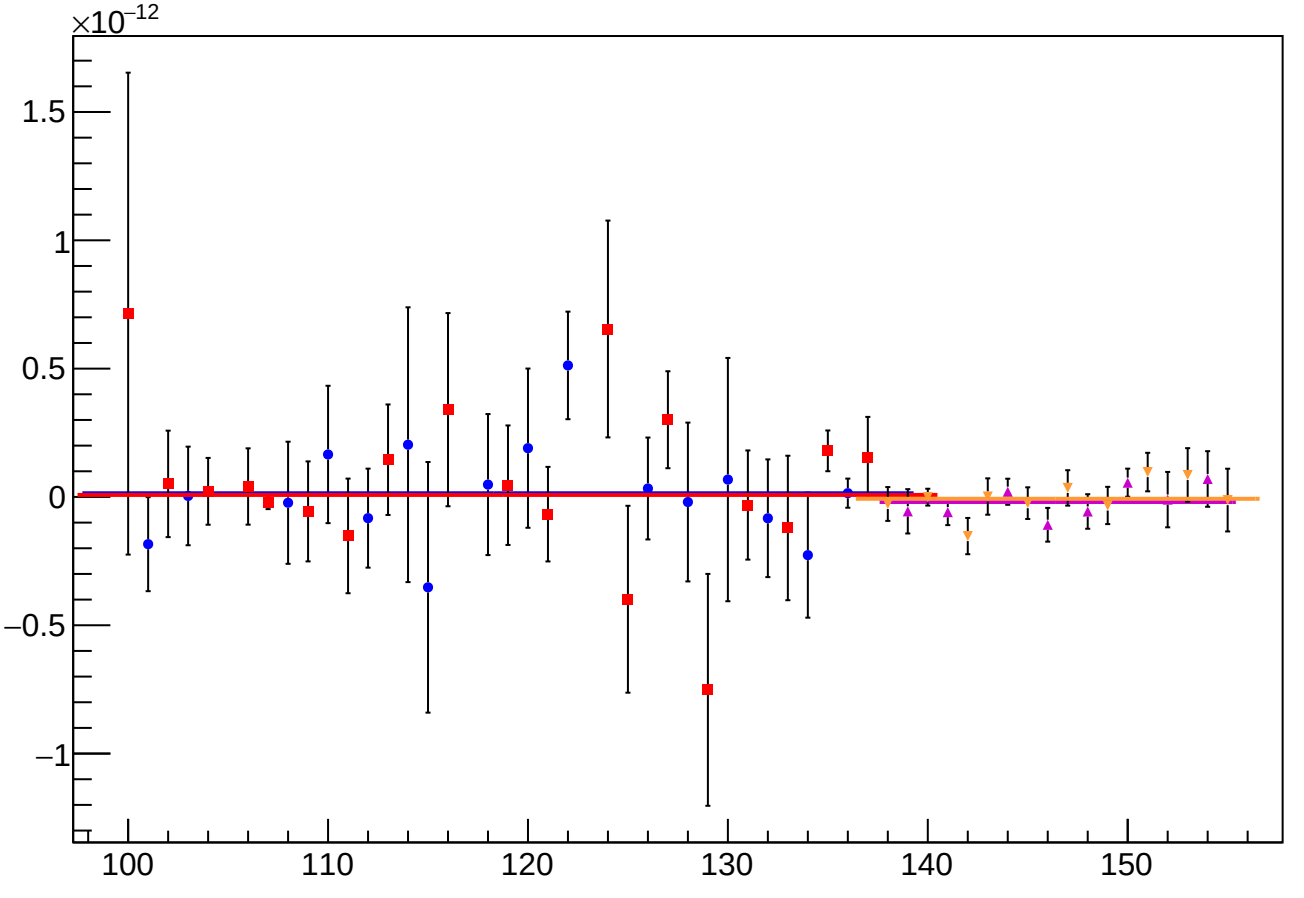
Left: 282.879+/-0.054 χ^2/NDF: 2132840.4/17

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 195.442+/-0.040 χ^2/NDF:3377720.8/23

Out: 189.096+/-0.039 χ^2/NDF:5949742.6/28

All: 192.247+/-0.028 χ^2/NDF: 9340289.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/7

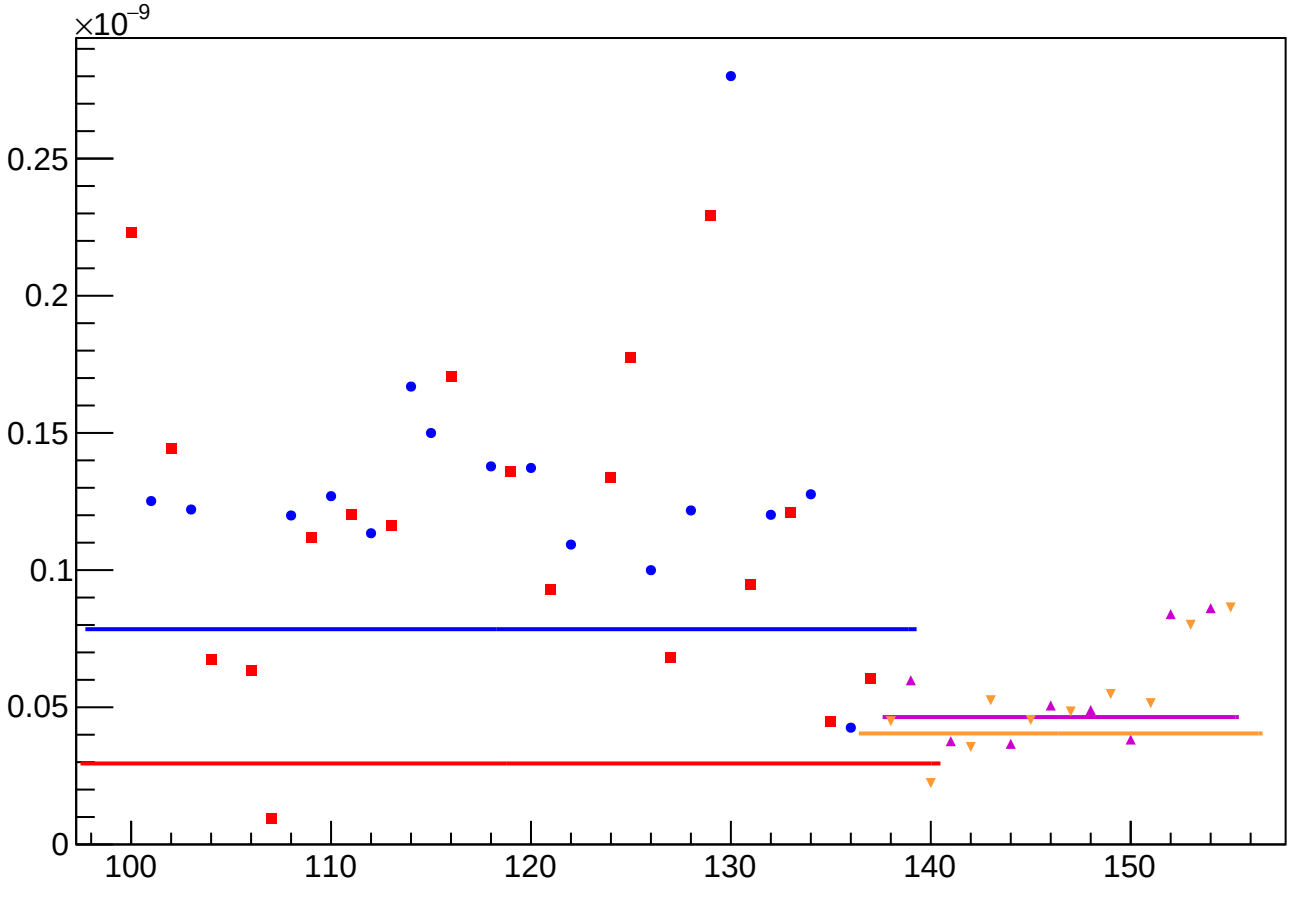
Left: -0.000+/-0.000 χ^2/NDF: 14.0/17

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:16.2/23

Out: -0.000+/-0.000 χ^2/NDF:26.3/28

All: -0.000+/-0.000 χ^2/NDF: 42.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1415527.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:748769.0/7

Left: 0.000+/-0.000 χ^2/NDF: 2241510.0/17

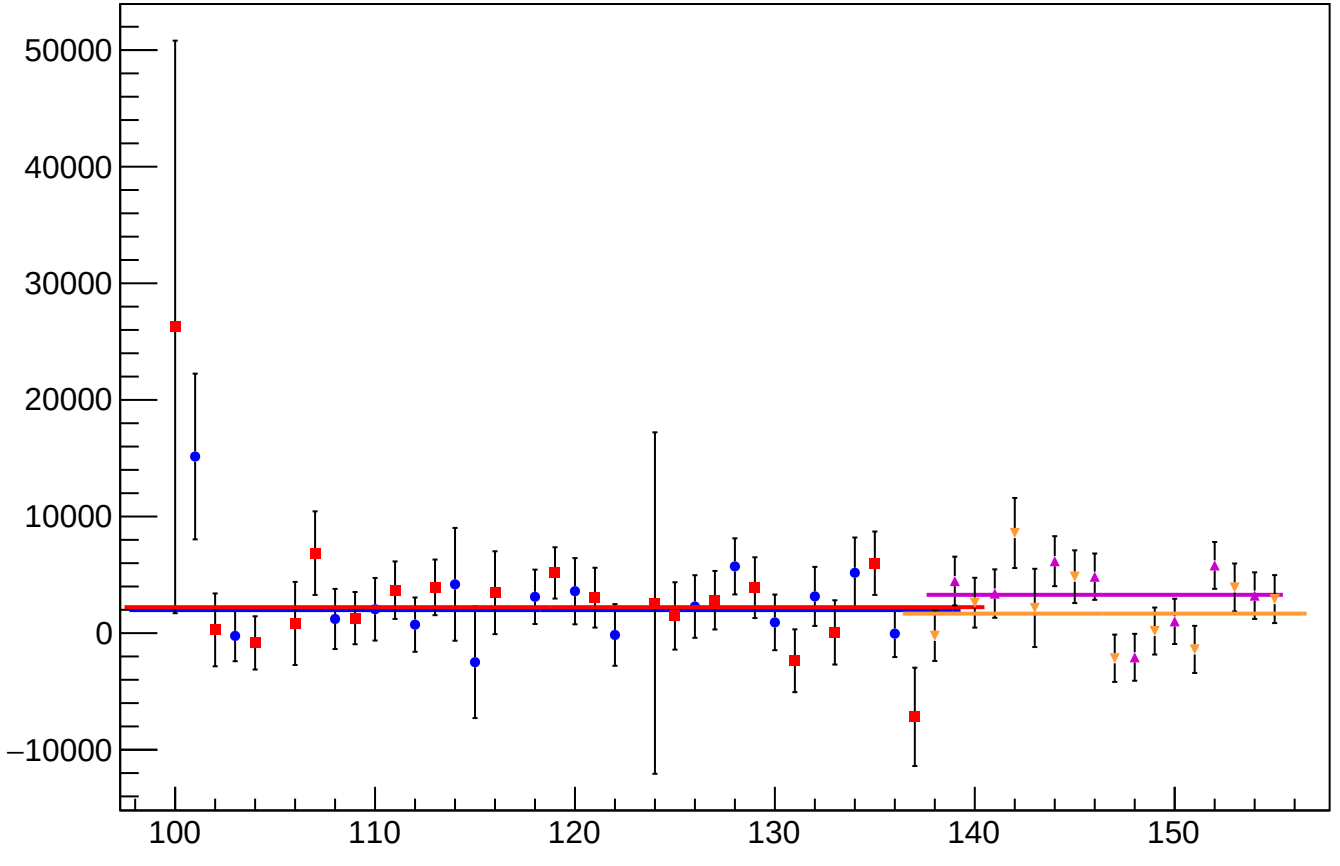
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3731175.8/23

Out: 0.000+/-0.000 χ^2/NDF:7163664.0/28

All: 0.000+/-0.000 χ^2/NDF: 11910816.2/52

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1673.865+/-700.910 χ^2/NDF:16.2/9

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 3286.203+/-717.730 χ^2/NDF:12.8/7

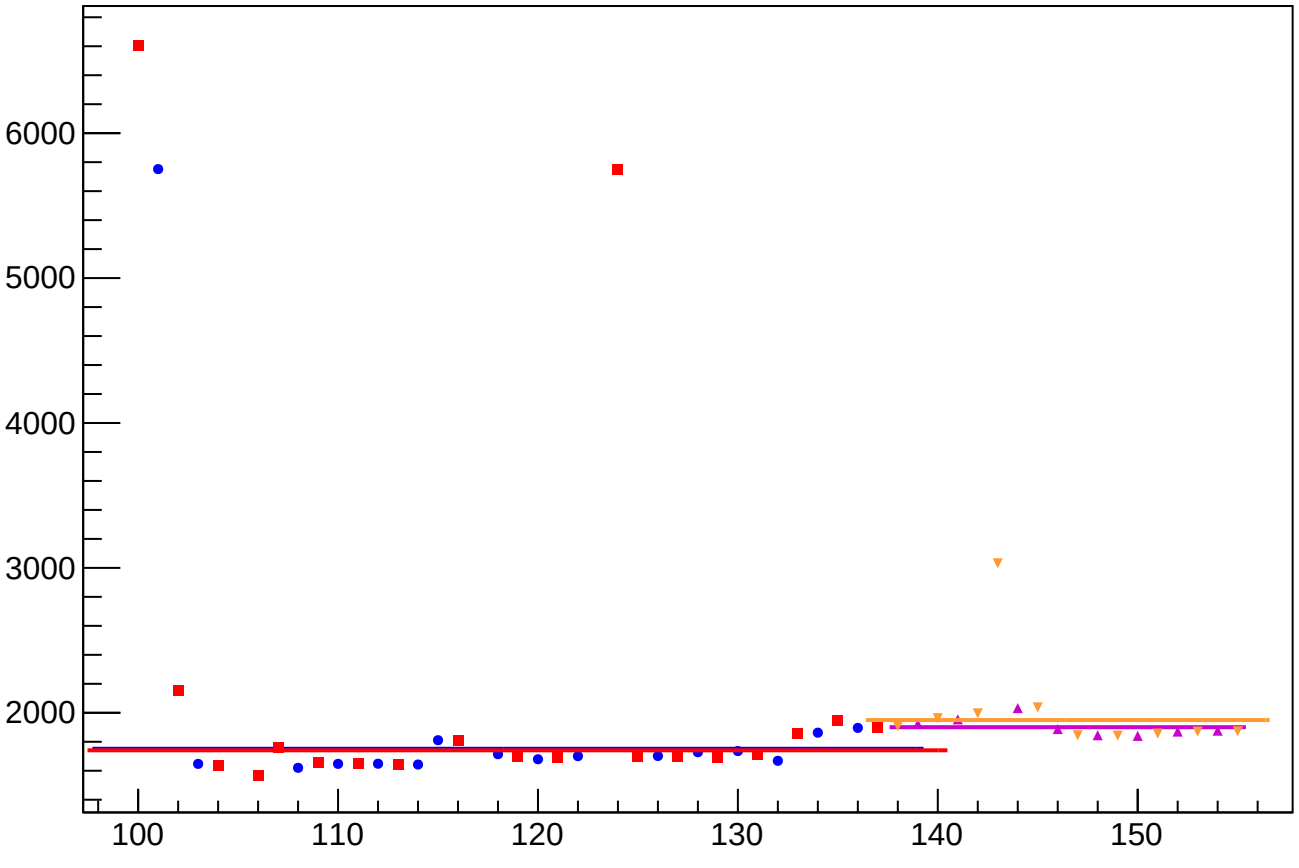
Left: 2460.920+/-501.459 χ^2/NDF: 31.6/17

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2584.019+/-488.870 χ^2/NDF:26.7/23

Out: 1968.157+/-479.064 χ^2/NDF:35.5/28

All: 2269.850+/-342.163 χ^2/NDF: 63.0/52



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1949.832+/-0.496 χ^2/NDF:233204.1/9

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1900.726+/-0.508 χ^2/NDF:13402.4/7

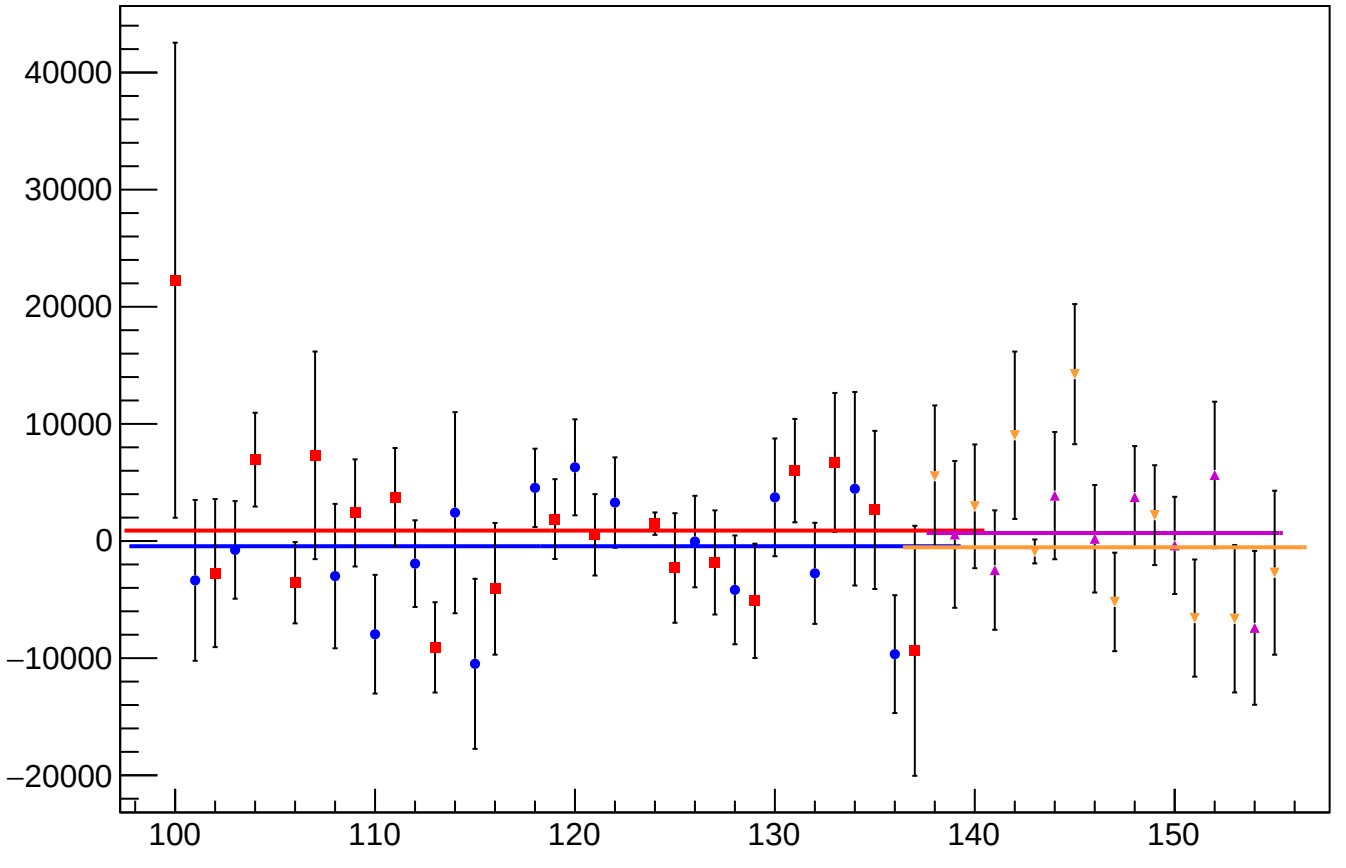
Left: 1925.861+/-0.355 χ^2/NDF: 251398.7/17

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1820.789+/-0.346 χ^2/NDF:730332.8/23

Out: 1837.818+/-0.337 χ^2/NDF:633065.8/28

All: 1829.510+/-0.241 χ^2/NDF: 1364641.4/52



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -534.167+/-889.284 χ^2/NDF:13.6/9

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 684.574+/-1811.027 χ^2/NDF:3.5/7

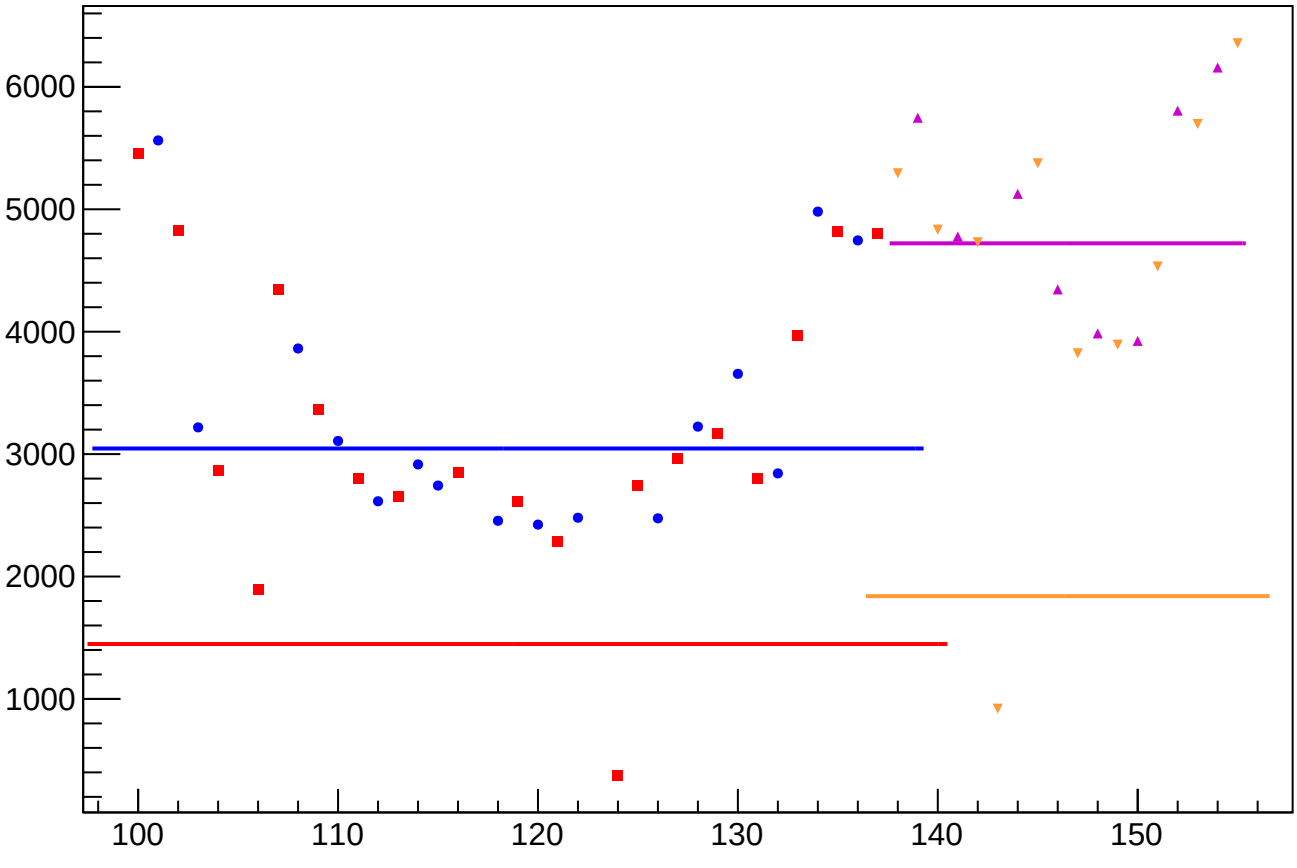
Left: -297.396+/-798.240 χ^2/NDF: 17.4/17

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: -110.081+/-985.384 χ^2/NDF:19.7/23

Out: 322.015+/-562.265 χ^2/NDF:35.2/28

All: 215.884+/-488.356 χ^2/NDF: 55.0/52



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1839.616+/-0.629 χ^2/NDF:7010097.9/9

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4721.905+/-1.281 χ^2/NDF:365090.9/7

Left: 2399.574+/-0.564 χ^2/NDF: 11456895.6/17

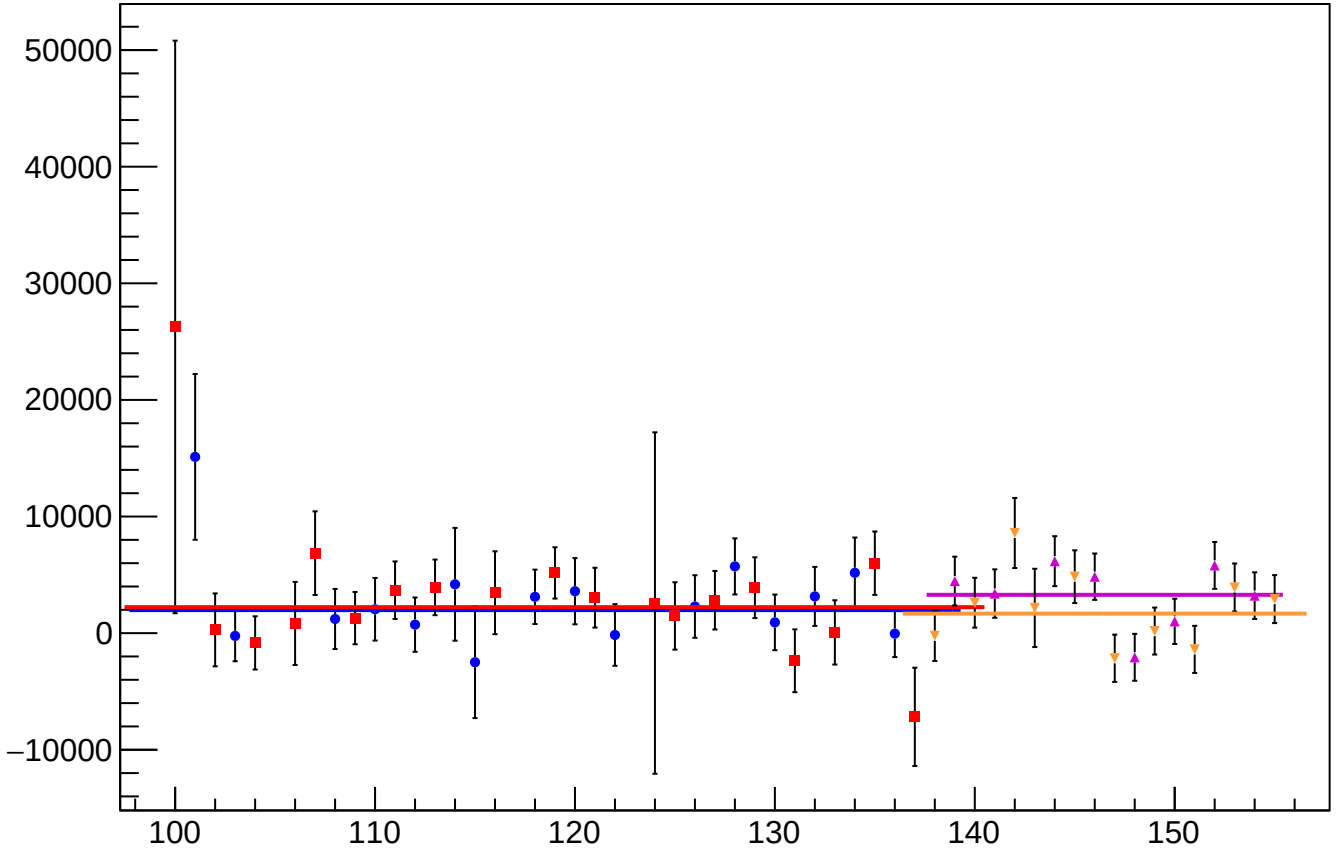
Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3542.089+/-0.697 χ^2/NDF:2478248.1/23

Out: 1604.865+/-0.398 χ^2/NDF:14029212.8/28

All: 2080.684+/-0.345 χ^2/NDF: 22338816.3/5

cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1673.889+/-700.910 χ^2/NDF:16.2/9

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3286.401+/-717.730 χ^2/NDF:12.8/7

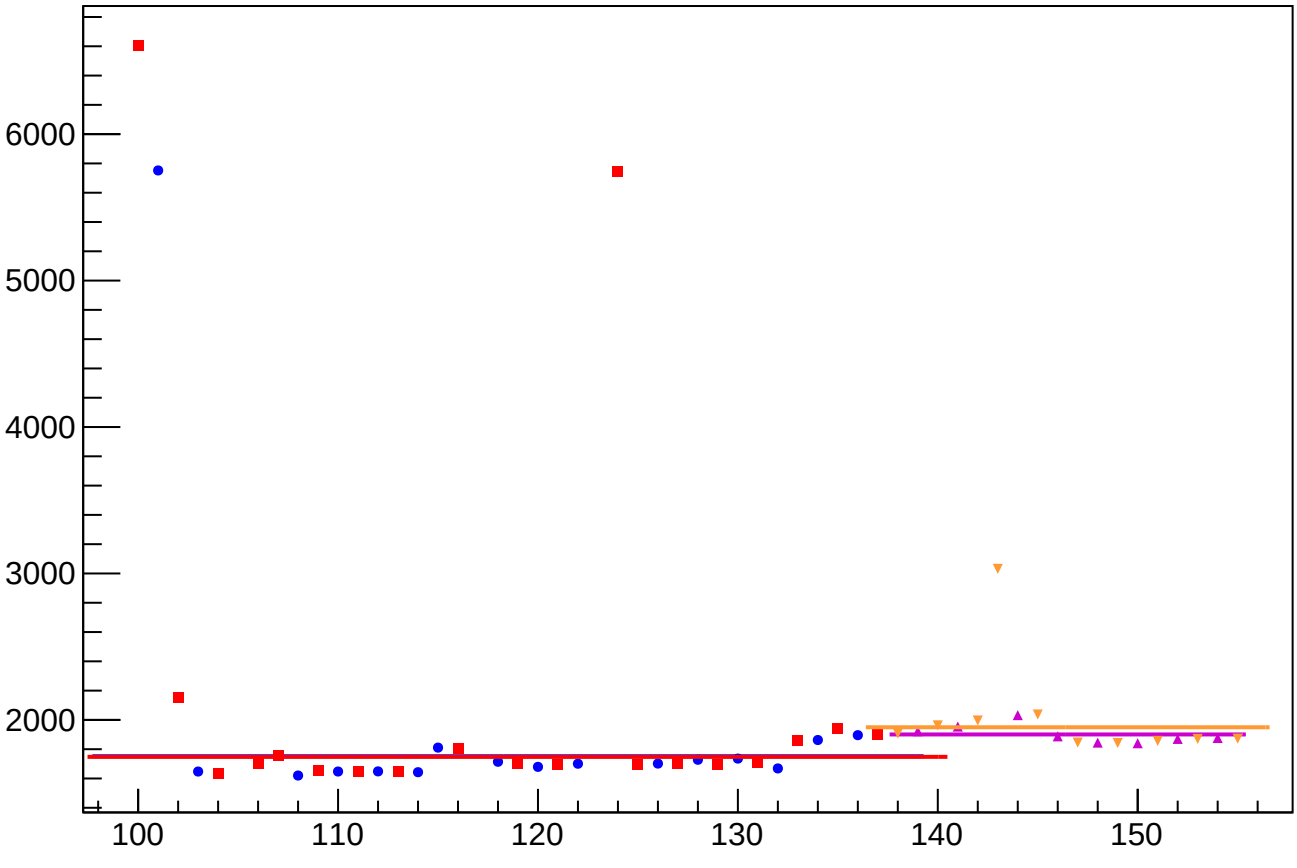
Left: 2461.028+/-501.459 χ^2/NDF: 31.6/17

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2583.922+/-488.870 χ^2/NDF:26.7/23

Out: 1968.220+/-479.064 χ^2/NDF:35.5/28

All: 2269.834+/-342.163 χ^2/NDF: 63.0/52



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1949.832+/-0.496 χ^2/NDF:233204.1/9

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1900.726+/-0.508 χ^2/NDF:13402.4/7

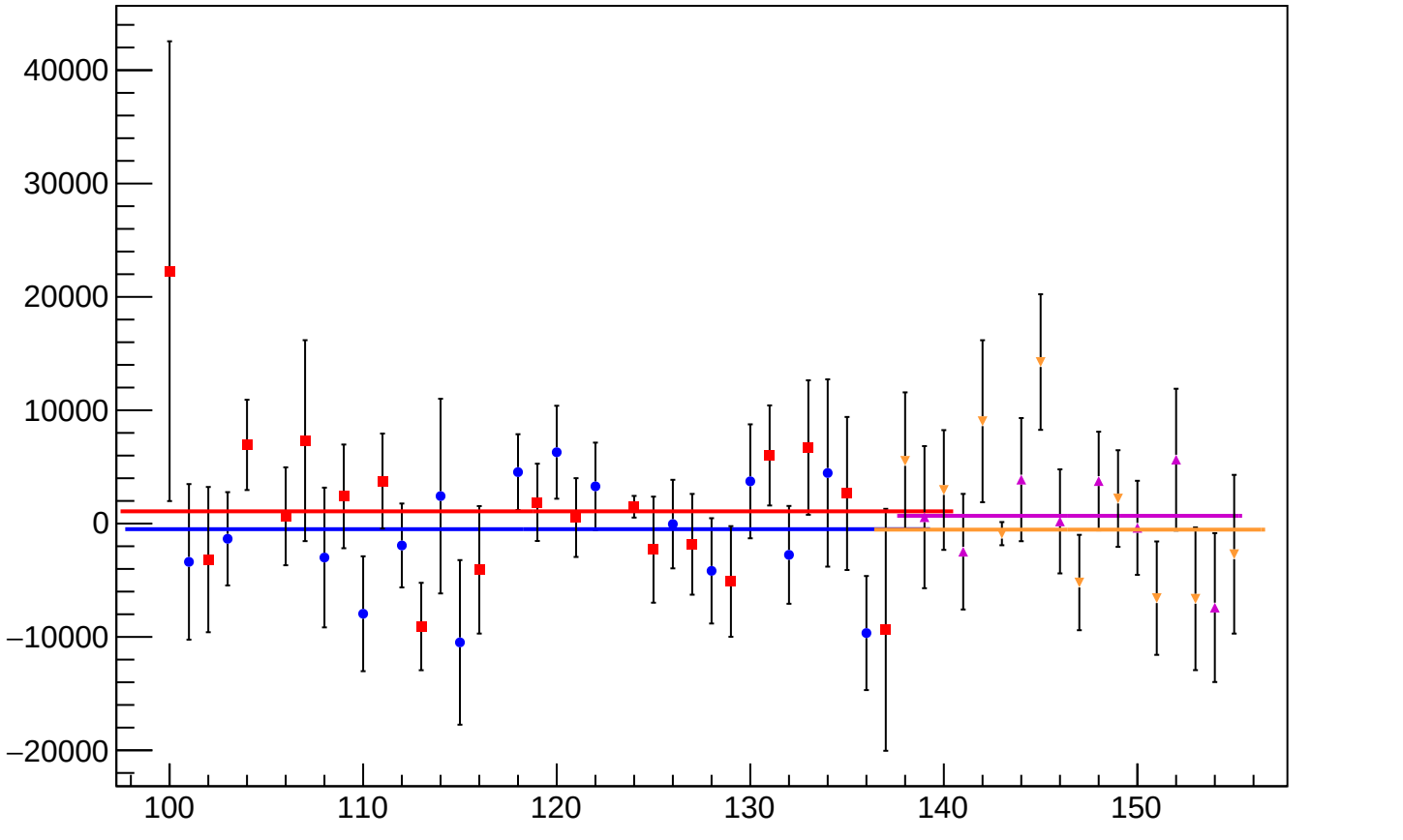
Left: 1925.861+/-0.355 χ^2/NDF: 251398.7/17

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1820.789+/-0.346 χ^2/NDF:730333.3/23

Out: 1841.796+/-0.338 χ^2/NDF:619985.6/28

All: 1831.526+/-0.242 χ^2/NDF: 1352206.4/52



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -533.983+/-889.256 χ^2/NDF:13.6/9

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 684.649+/-1811.026 χ^2/NDF:3.5/7

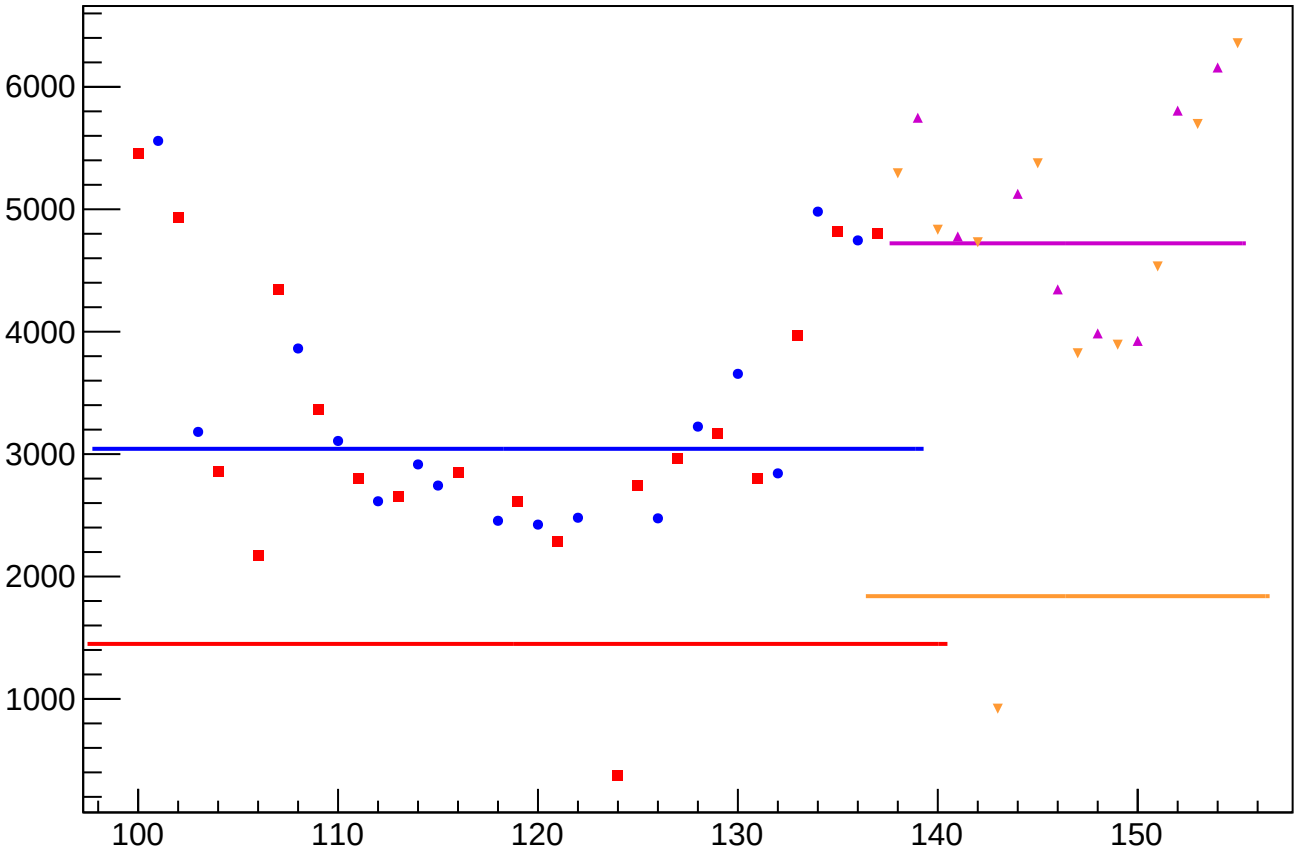
Left: -297.245+/-798.220 χ^2/NDF: 17.4/17

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -144.806+/-984.670 χ^2/NDF:19.7/23

Out: 429.227+/-564.906 χ^2/NDF:34.0/28

All: 287.079+/-489.995 χ^2/NDF: 54.0/52



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1839.531+/-0.629 χ^2/NDF:7010351.8/9

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4721.904+/-1.281 χ^2/NDF:365089.1/7

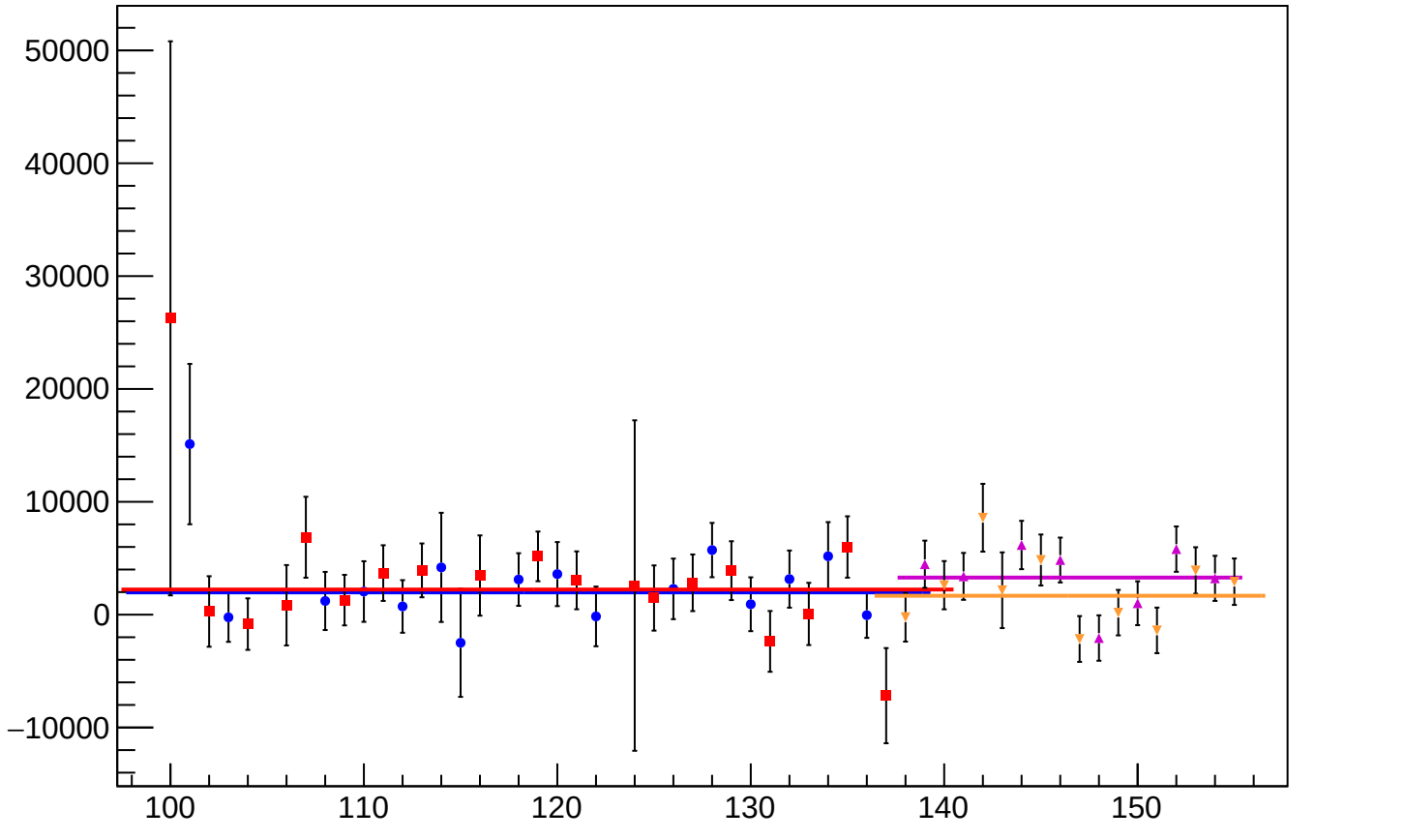
Left: 2399.477+/-0.564 χ^2/NDF: 11457439.0/17

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3539.505+/-0.696 χ^2/NDF:2481069.7/23

Out: 1606.907+/-0.399 χ^2/NDF:14065531.2/28

All: 2085.476+/-0.346 χ^2/NDF: 22343074.4/5



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1673.889+/-700.910 χ^2/NDF:16.2/9

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3286.401+/-717.730 χ^2/NDF:12.8/7

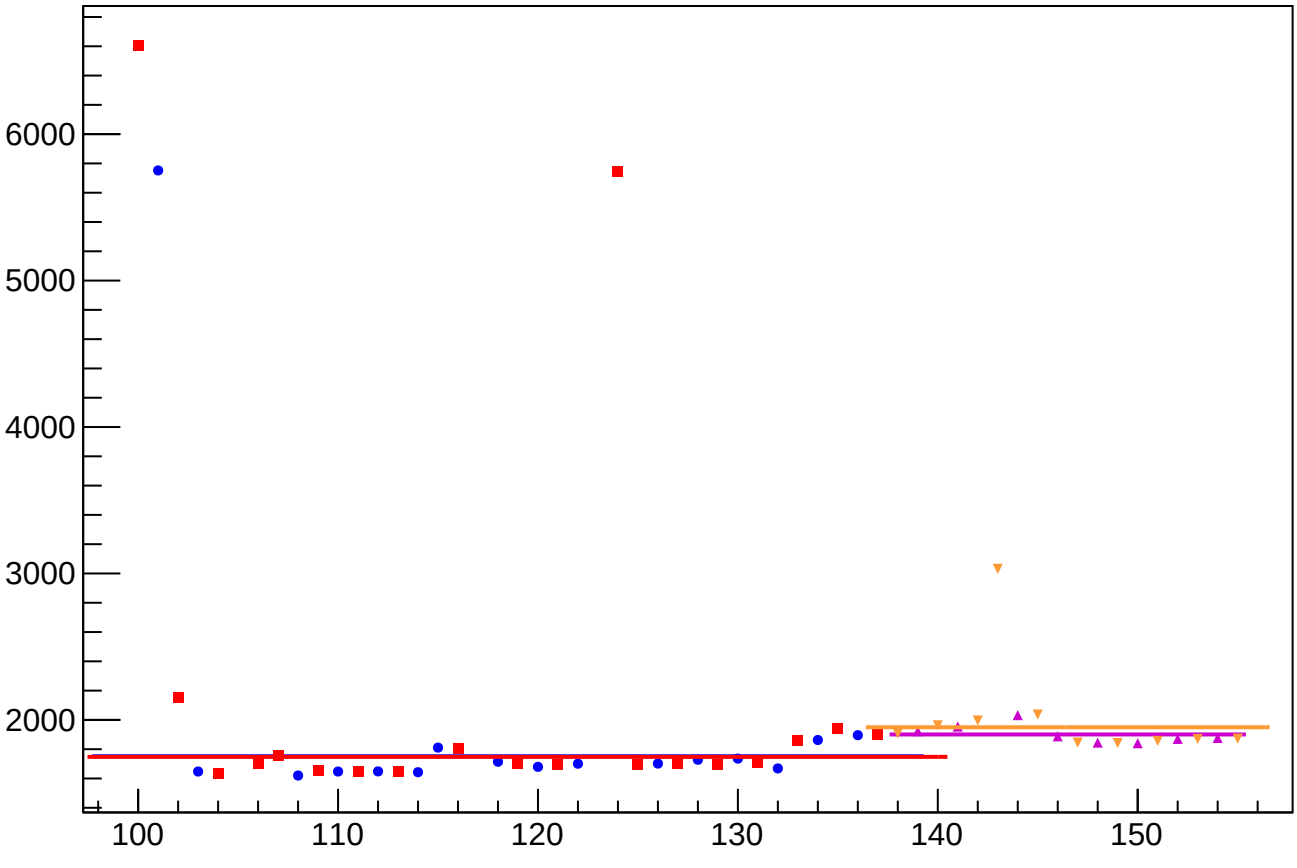
Left: 2461.028+/-501.459 χ^2/NDF: 31.6/17

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2583.922+/-488.870 χ^2/NDF:26.7/23

Out: 1968.220+/-479.064 χ^2/NDF:35.5/28

All: 2269.834+/-342.163 χ^2/NDF: 63.0/52



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1949.832+/-0.496 χ^2/NDF:233204.1/9

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1900.726+/-0.508 χ^2/NDF:13402.4/7

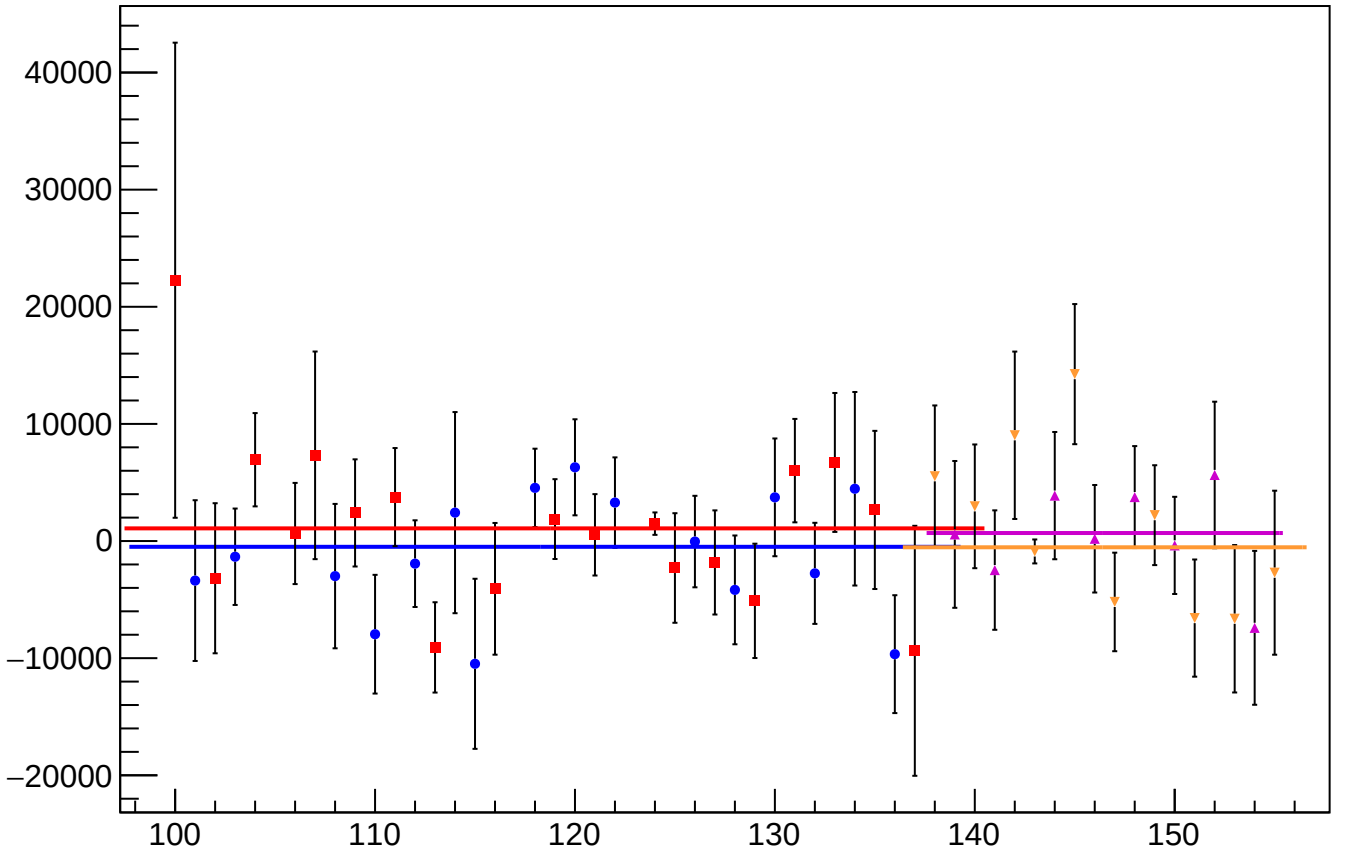
Left: 1925.861+/-0.355 χ^2/NDF: 251398.7/17

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1820.789+/-0.346 χ^2/NDF:730333.3/23

Out: 1841.796+/-0.338 χ^2/NDF:619985.6/28

All: 1831.526+/-0.242 χ^2/NDF: 1352206.4/52



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -533.983+/-889.256 χ^2/NDF:13.6/9

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 684.649+/-1811.026 χ^2/NDF:3.5/7

Left: -297.245+/-798.220 χ^2/NDF: 17.4/17

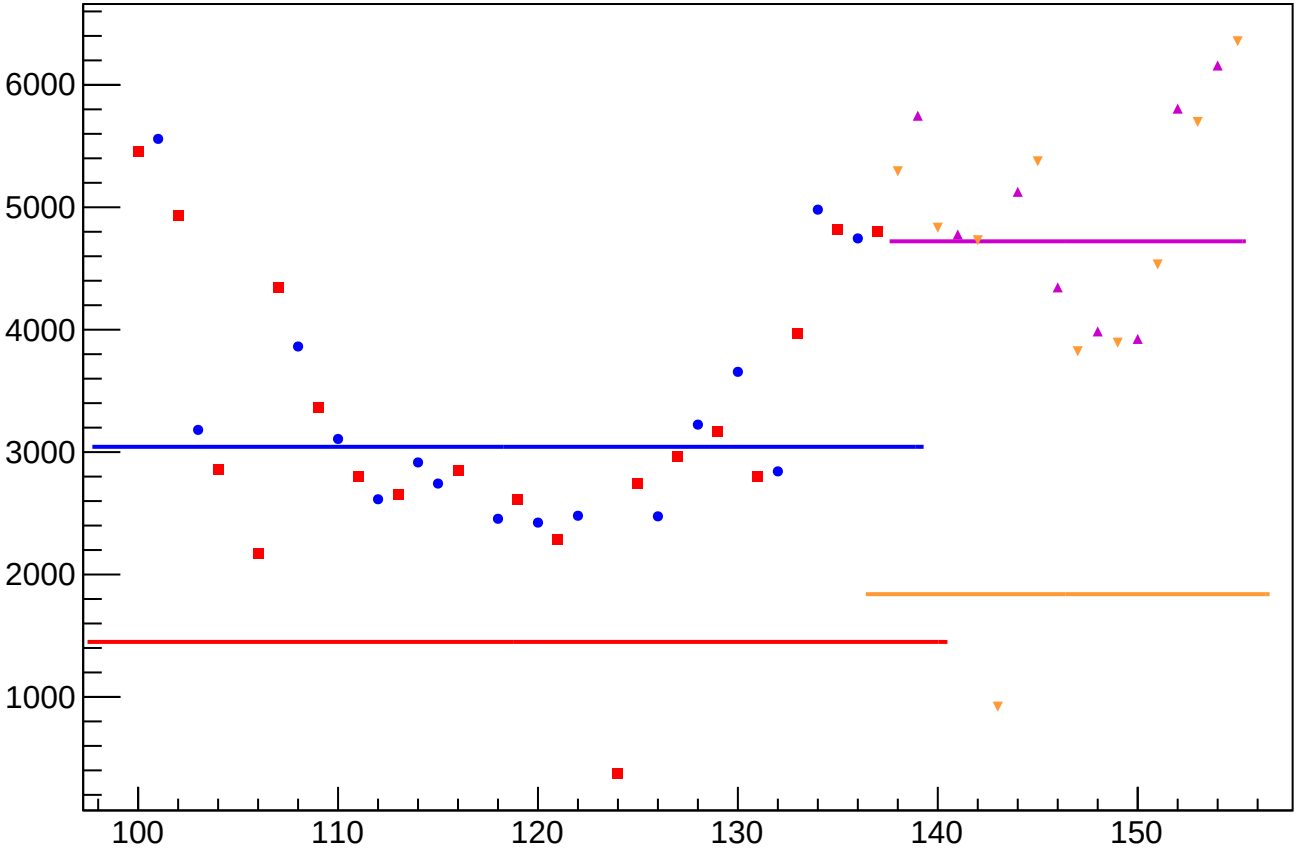
Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -144.806+/-984.670 χ^2/NDF:19.7/23

Out: 429.227+/-564.906 χ^2/NDF:34.0/28

All: 287.079+/-489.995 χ^2/NDF: 54.0/52

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1839.531+/-0.629 χ^2/NDF:7010351.8/9

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4721.904+/-1.281 χ^2/NDF:365089.1/7

Left: 2399.477+/-0.564 χ^2/NDF: 11457439.0/17

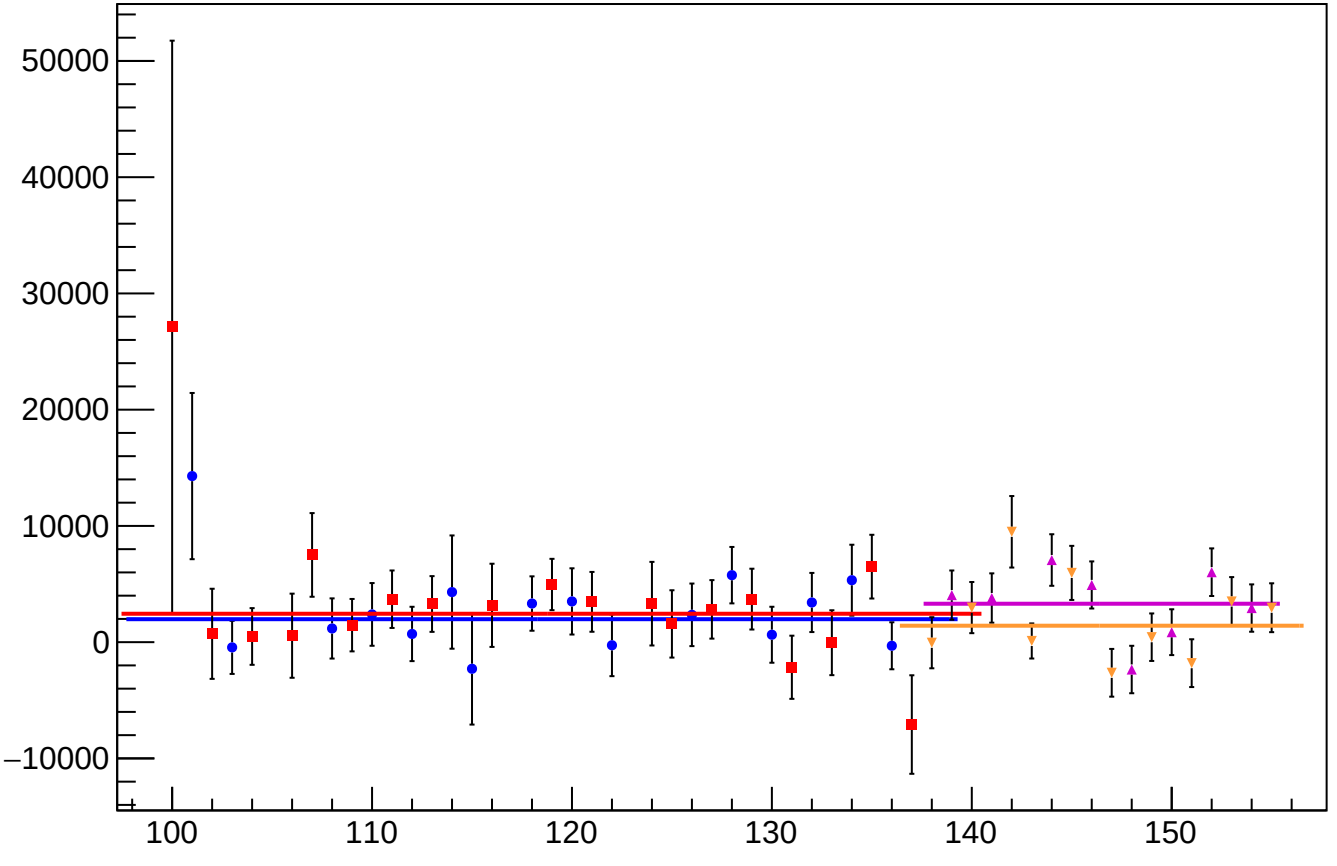
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3539.505+/-0.696 χ^2/NDF:2481069.7/23

Out: 1606.907+/-0.399 χ^2/NDF:14065531.2/28

All: 2085.476+/-0.346 χ^2/NDF: 22343074.4/5

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1415.695+/-658.035 χ^2/NDF:20.5/9

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3306.164+/-731.434 χ^2/NDF:14.7/7

Left: 2261.343+/-489.199 χ^2/NDF: 38.9/17

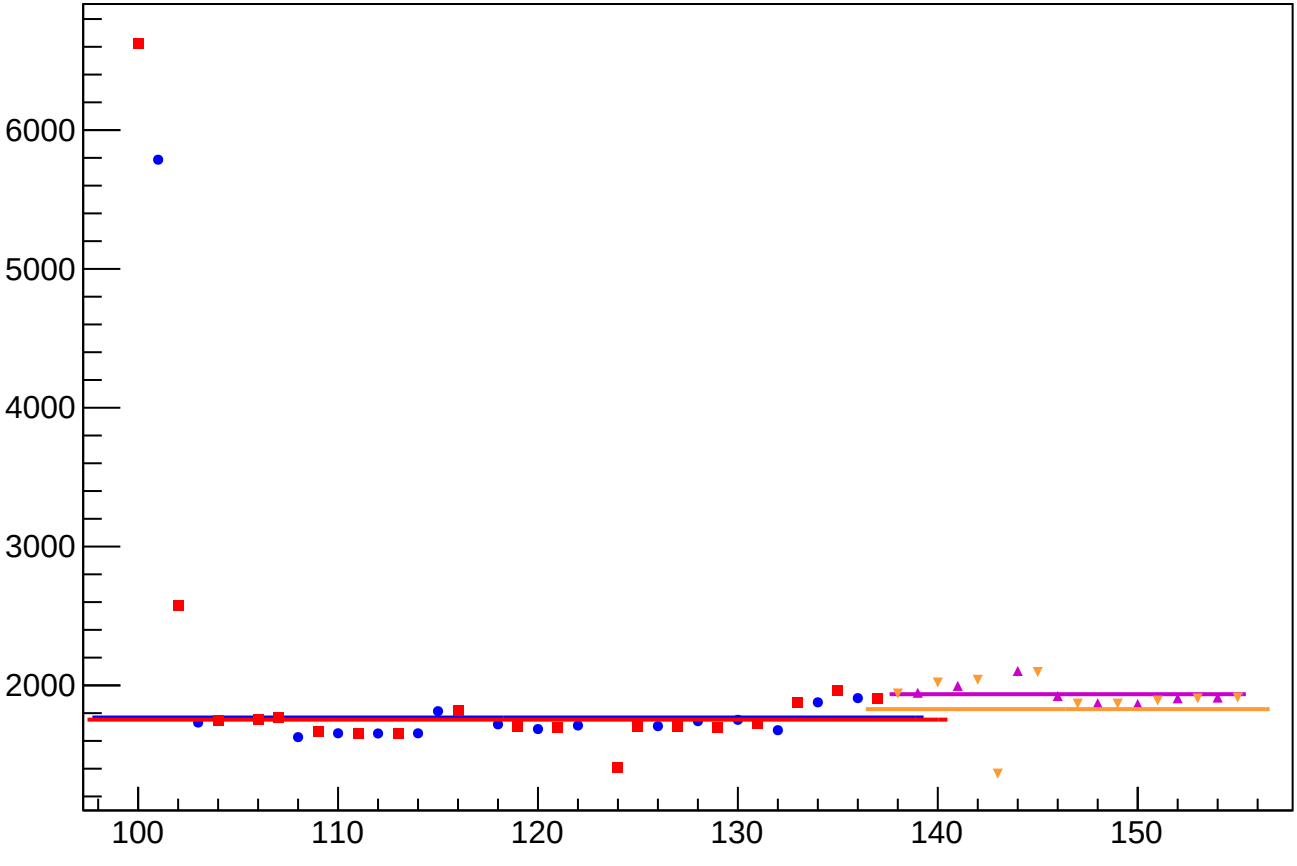
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2586.793+/-495.687 χ^2/NDF:28.9/23

Out: 1930.223+/-465.176 χ^2/NDF:39.2/28

All: 2237.681+/-339.203 χ^2/NDF: 69.1/52

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1829.049+/-0.465 χ^2/NDF:254696.3/9

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1936.590+/-0.517 χ^2/NDF:18368.3/7

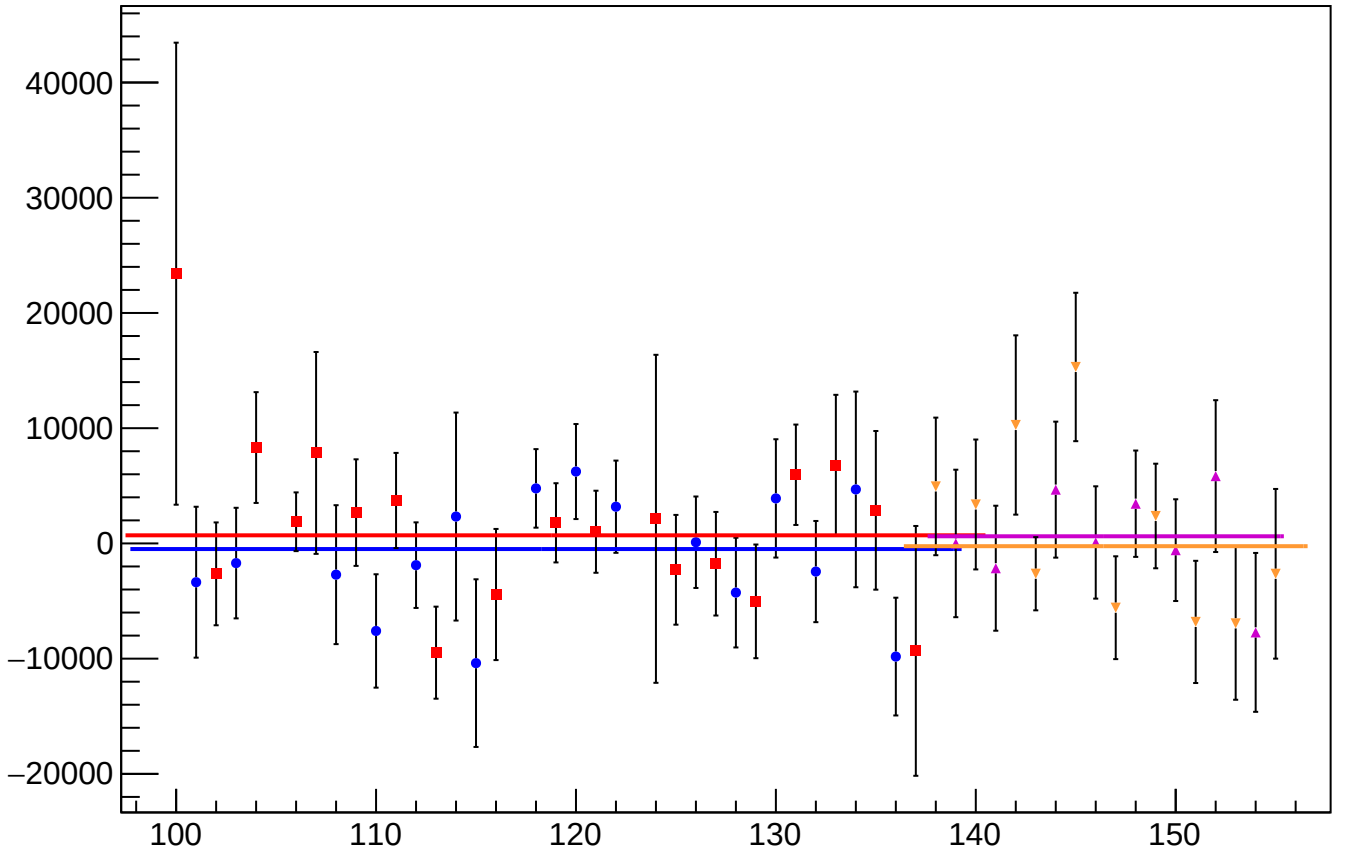
Left: 1877.154+/-0.346 χ^2/NDF: 296959.1/17

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1845.687+/-0.351 χ^2/NDF:742863.7/23

Out: 1791.095+/-0.328 χ^2/NDF:486825.2/28

All: 1816.623+/-0.240 χ^2/NDF: 1242604.1/52



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -240.201+/-1633.372 χ^2/NDF:13.8/9

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 619.882+/-1918.953 χ^2/NDF:3.3/7

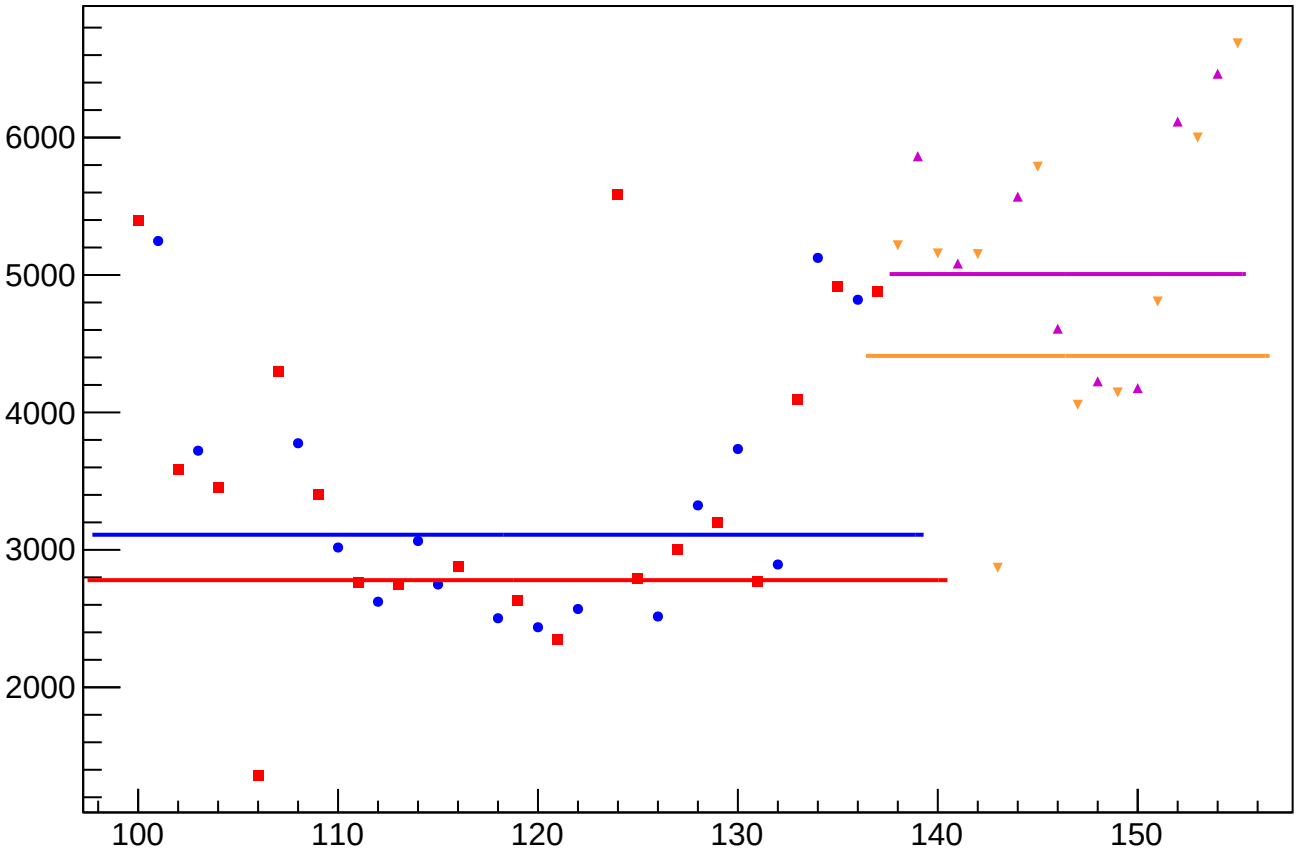
Left: 121.140+/-1243.807 χ^2/NDF: 17.2/17

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -177.186+/-1016.531 χ^2/NDF:19.3/23

Out: 420.202+/-894.737 χ^2/NDF:32.9/28

All: 159.422+/-671.629 χ^2/NDF: 52.4/52



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4411.443+/-1.155 χ^2/NDF:988170.6/9

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5006.871+/-1.357 χ^2/NDF:341853.8/7

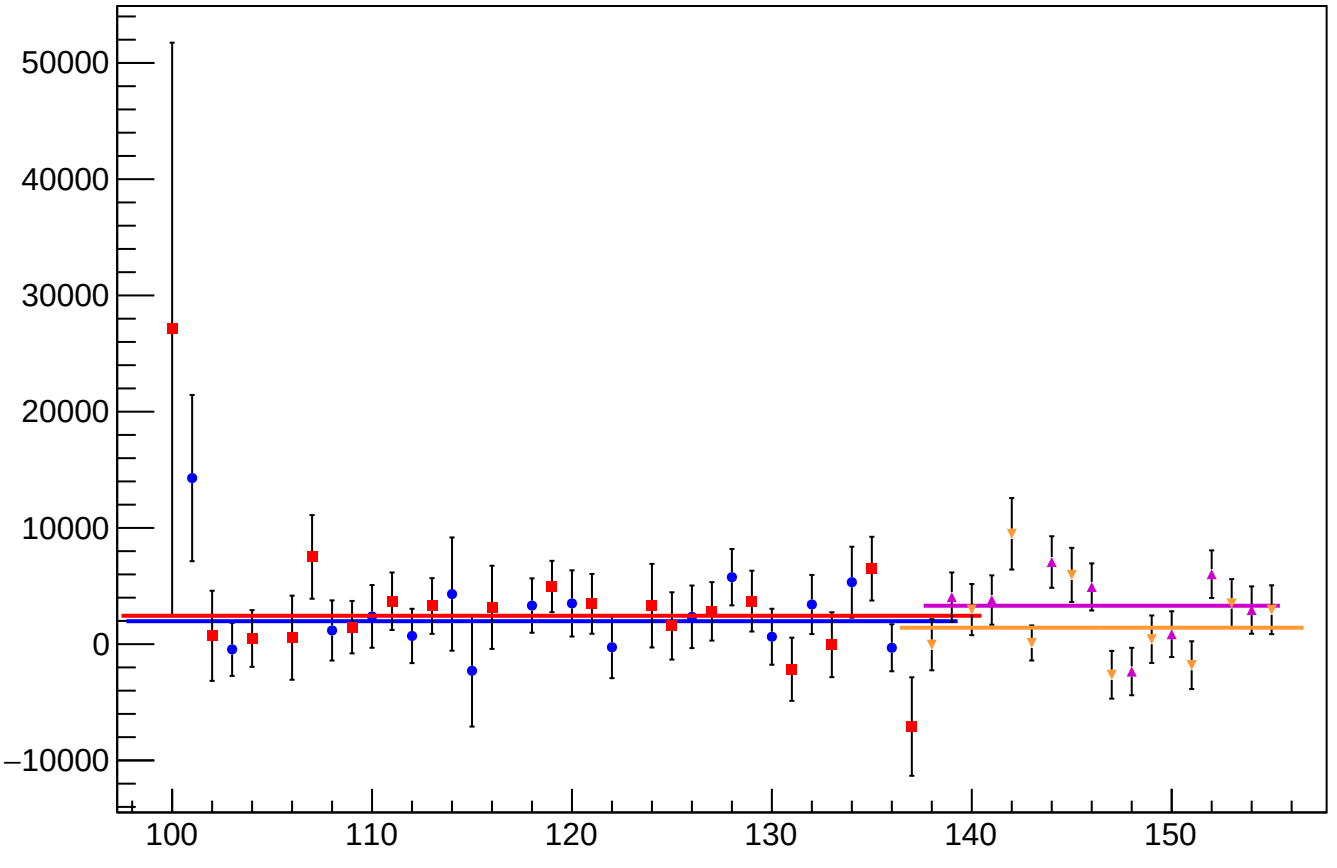
Left: 4661.596+/-0.880 χ^2/NDF: 1441683.8/17

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3642.387+/-0.719 χ^2/NDF:2630765.1/23

Out: 3269.285+/-0.633 χ^2/NDF:3733503.7/28

All: 3432.157+/-0.475 χ^2/NDF: 6516082.9/52



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1415.697+/-658.036 χ^2/NDF:20.5/9

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3306.163+/-731.435 χ^2/NDF:14.7/7

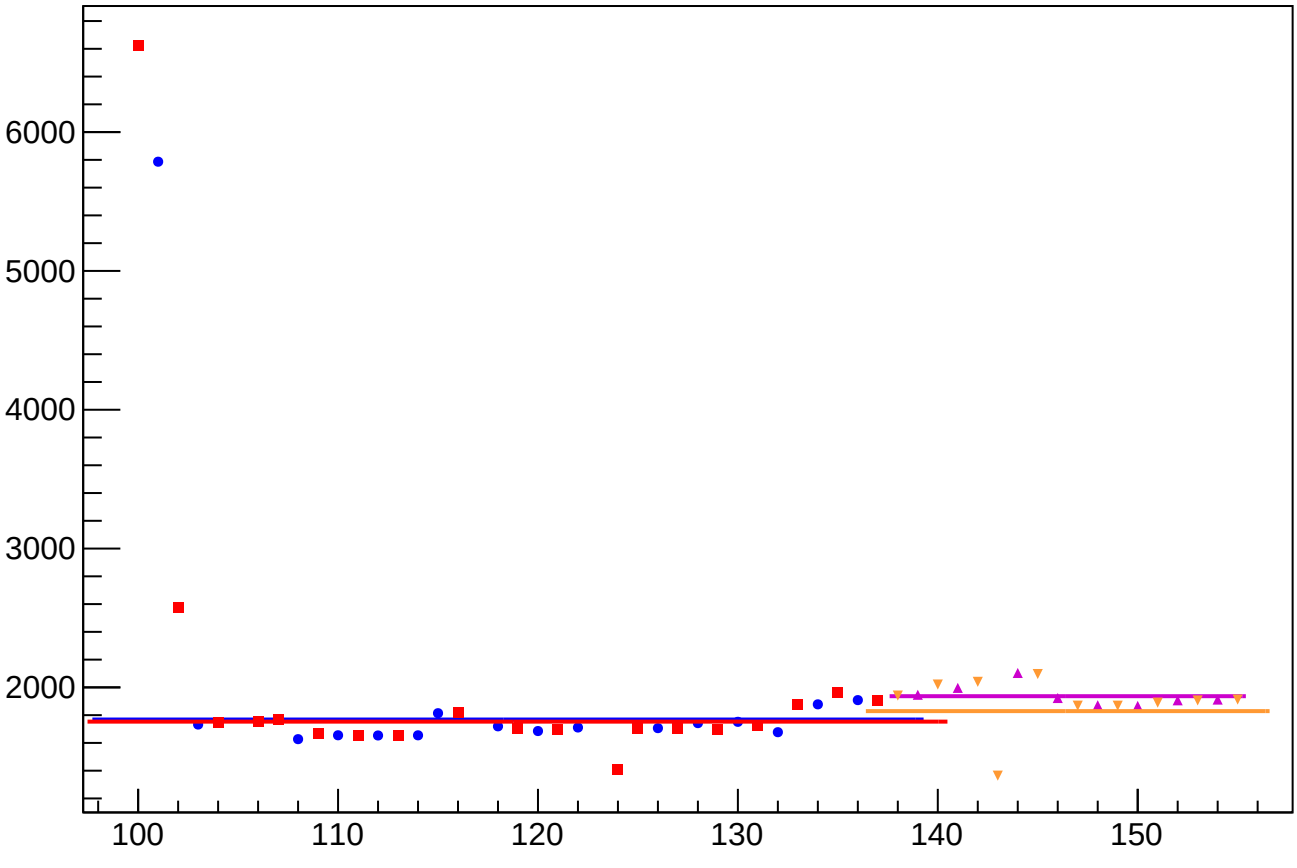
Left: 2261.343+/-489.199 χ^2/NDF: 38.9/17

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2586.793+/-495.687 χ^2/NDF:28.9/23

Out: 1930.224+/-465.177 χ^2/NDF:39.2/28

All: 2237.681+/-339.203 χ^2/NDF: 69.1/52



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1829.050+/-0.465 χ^2/NDF:254697.4/9

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1936.591+/-0.517 χ^2/NDF:18368.6/7

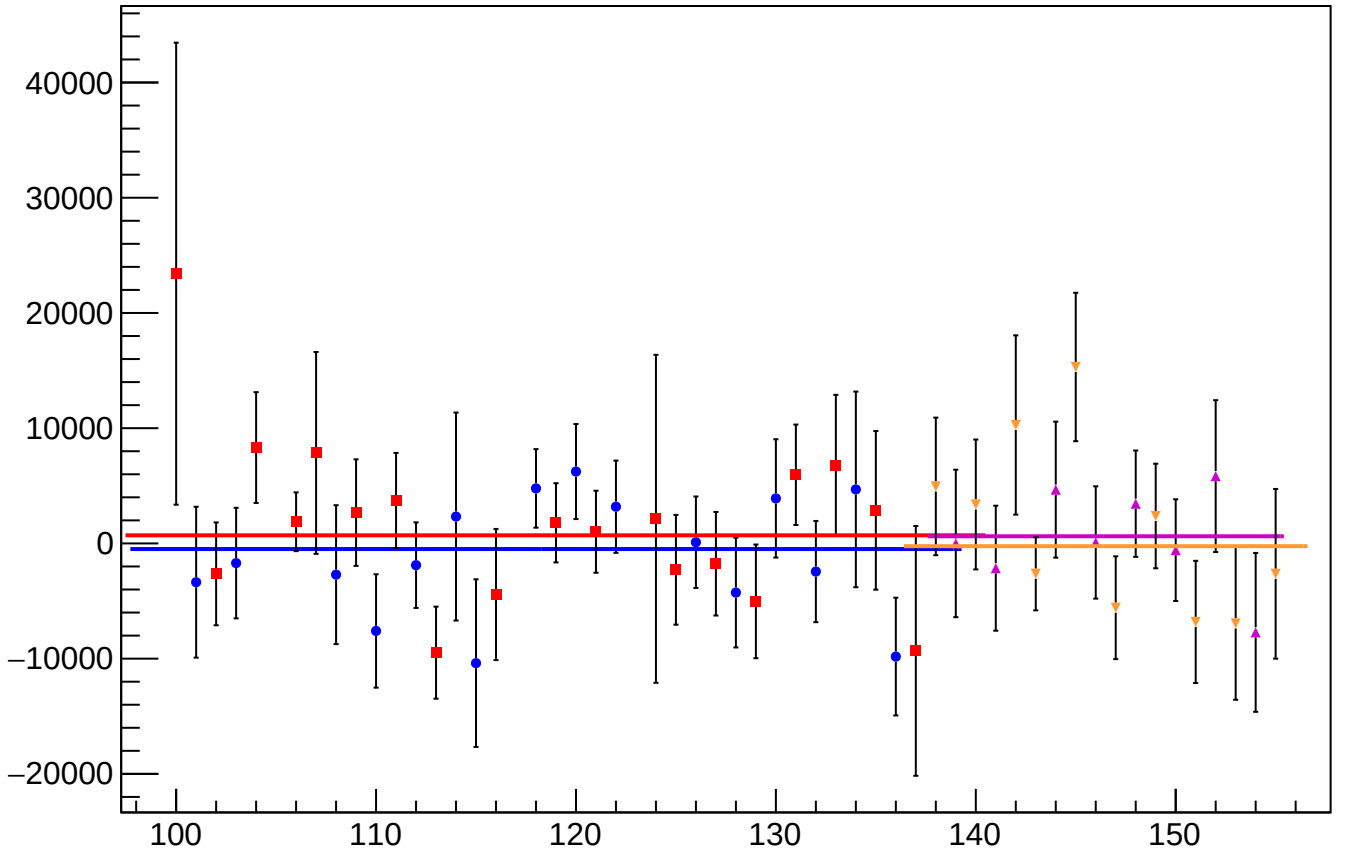
Left: 1877.155+/-0.346 χ^2/NDF: 296960.6/17

Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1845.687+/-0.351 χ^2/NDF:742864.7/23

Out: 1791.095+/-0.328 χ^2/NDF:486826.6/28

All: 1816.623+/-0.240 χ^2/NDF: 1242606.5/52



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -240.206+/-1633.374 χ^2/NDF:13.8/9

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 619.883+/-1918.955 χ^2/NDF:3.3/7

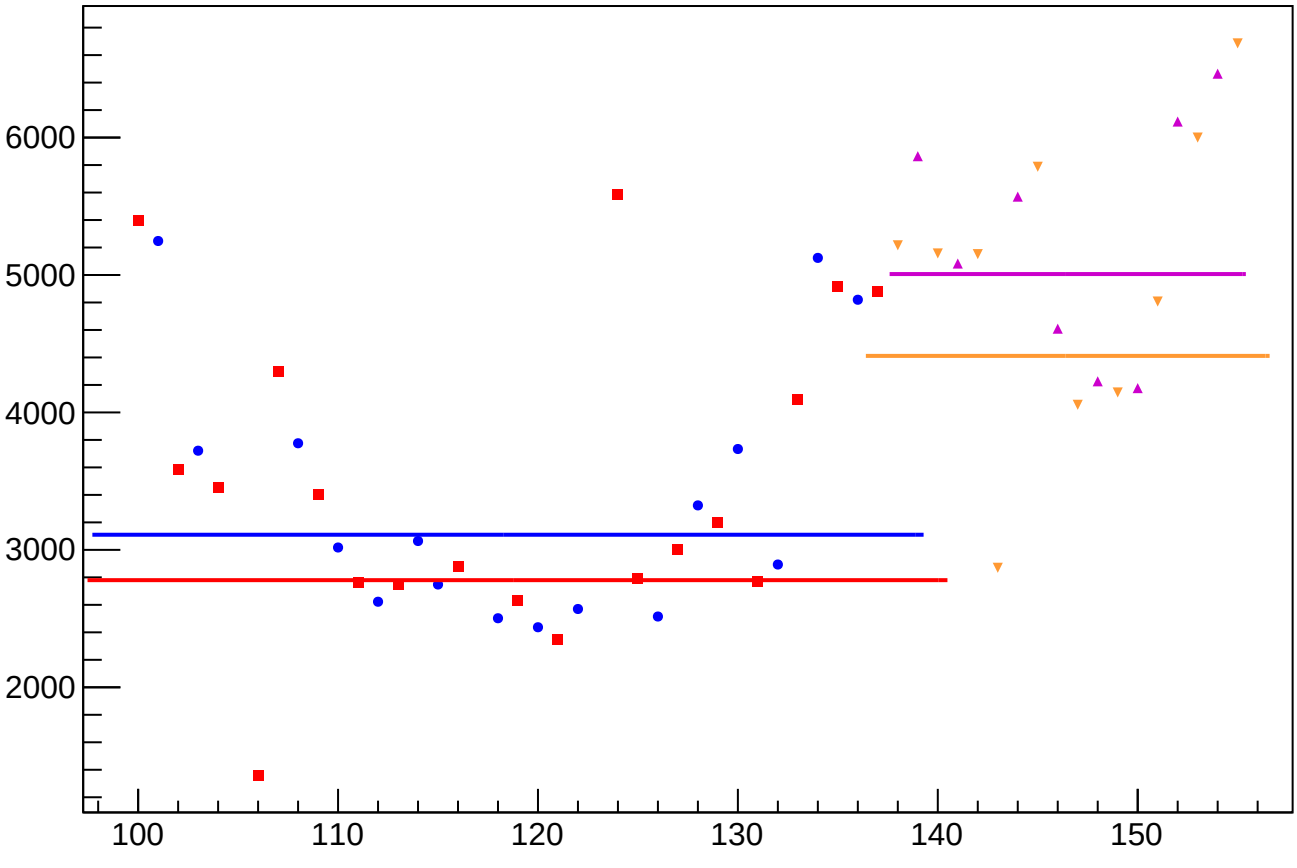
Left: 121.137+/-1243.808 χ^2/NDF: 17.2/17

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -177.183+/-1016.529 χ^2/NDF:19.3/23

Out: 420.203+/-894.735 χ^2/NDF:32.9/28

All: 159.424+/-671.627 χ^2/NDF: 52.4/52



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4411.446+/-1.155 χ^2/NDF:988176.4/9

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5006.876+/-1.357 χ^2/NDF:341856.9/7

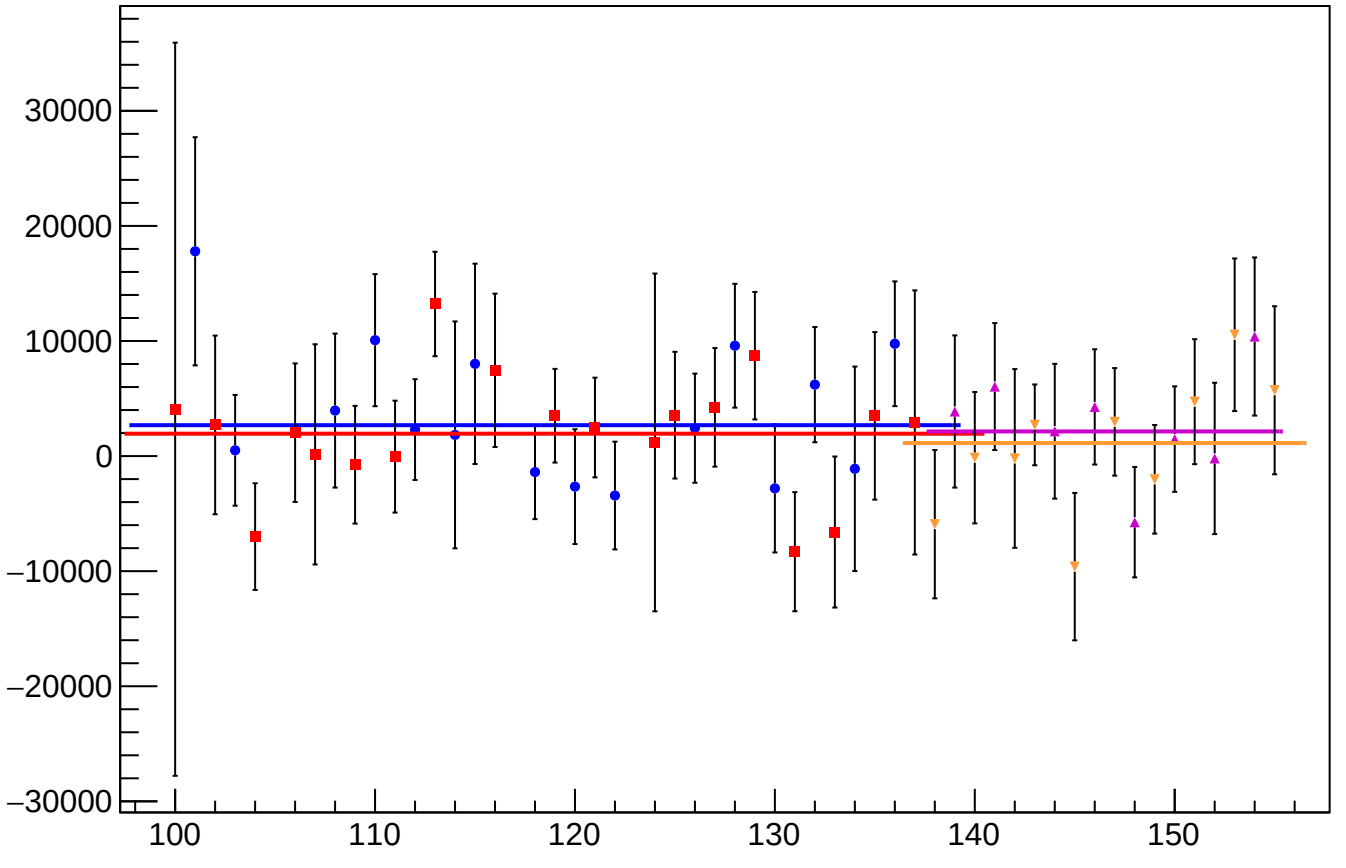
Left: 4661.600+/-0.880 χ^2/NDF: 1441693.2/17

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3642.377+/-0.719 χ^2/NDF:2630802.4/23

Out: 3269.274+/-0.633 χ^2/NDF:3733557.5/28

All: 3432.146+/-0.475 χ^2/NDF: 6516175.9/52



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 1132.607+/-1707.658 χ^2/NDF:7.7/9

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 2140.663+/-1960.901 χ^2/NDF:5.0/7

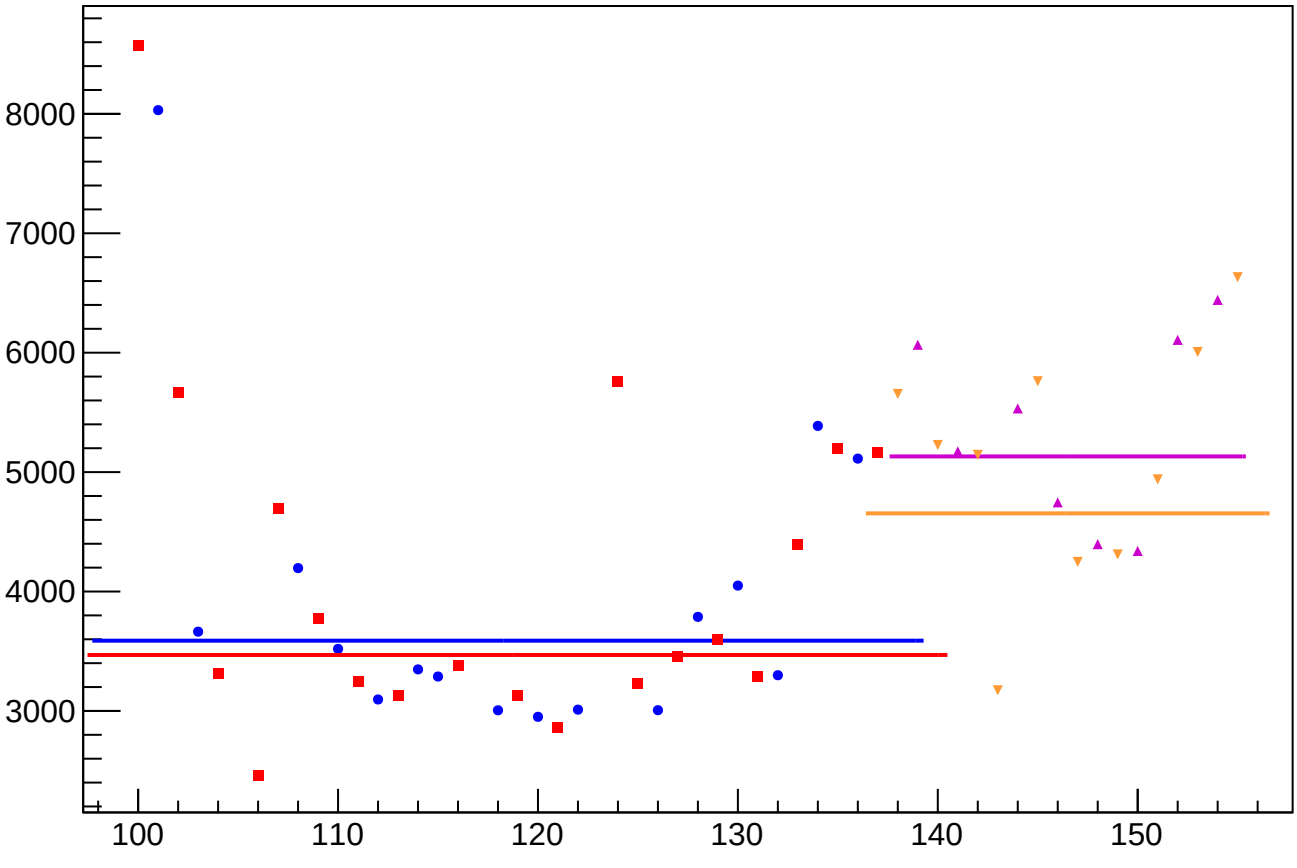
Left: 1567.379+/-1287.786 χ^2/NDF: 12.9/17

Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2504.995+/-1128.493 χ^2/NDF:18.6/23

Out: 1637.836+/-1050.760 χ^2/NDF:26.6/28

All: 2040.524+/-769.013 χ^2/NDF: 45.4/52



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4654.458+/-1.207 χ^2/NDF:752931.0/9

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5131.316+/-1.387 χ^2/NDF:284760.0/7

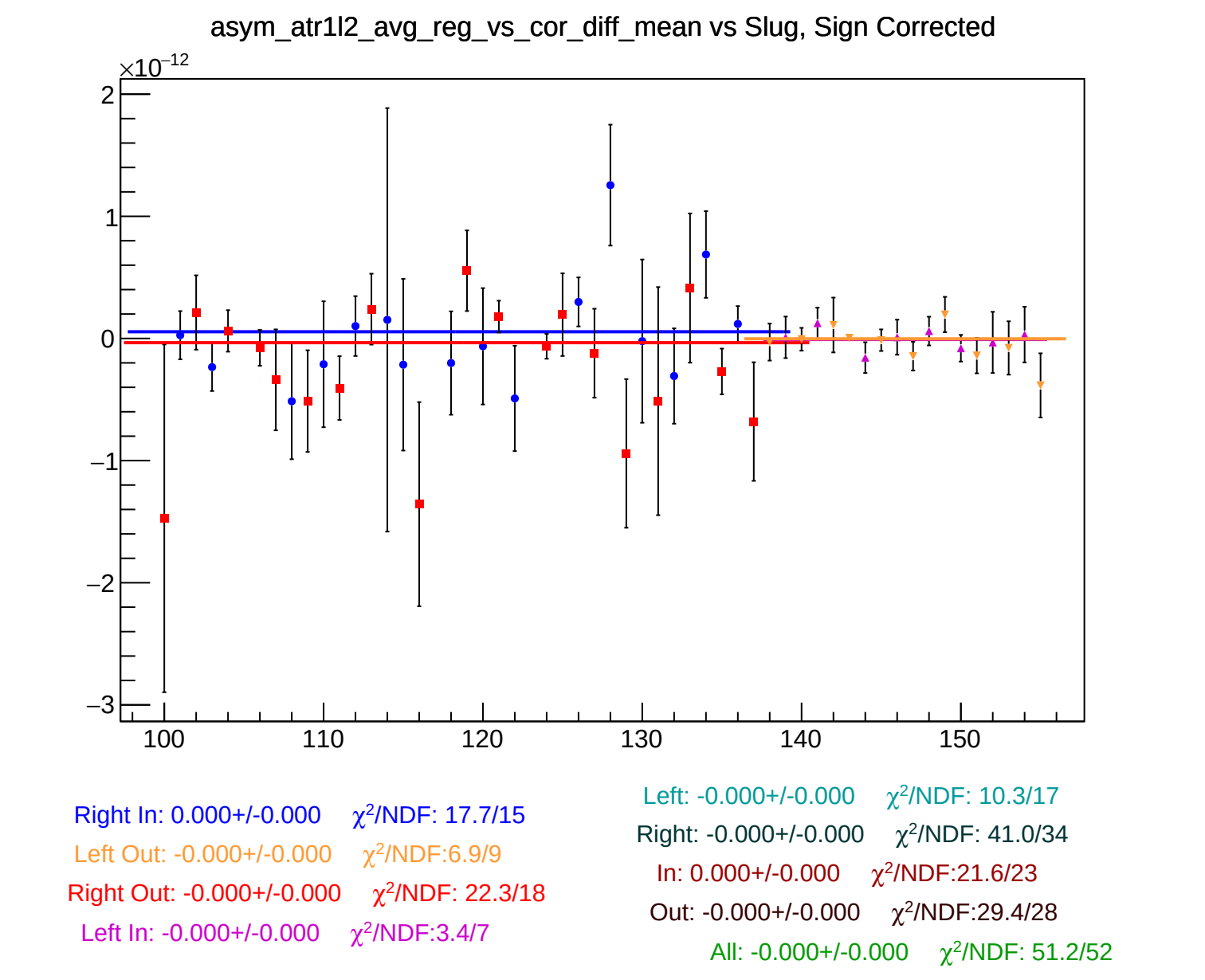
Left: 4860.126+/-0.911 χ^2/NDF: 1104954.9/17

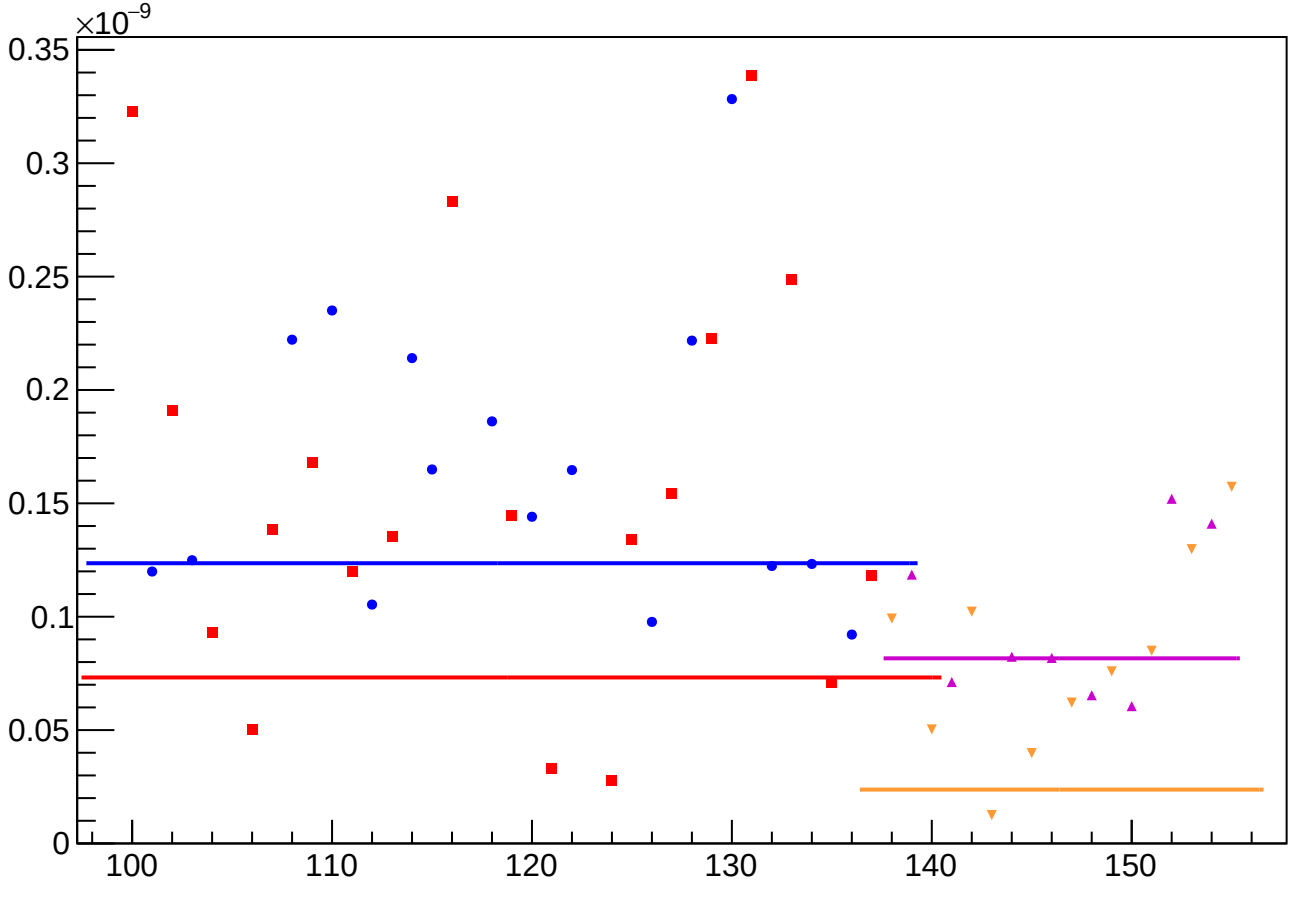
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4099.428+/-0.798 χ^2/NDF:1958082.6/23

Out: 3909.100+/-0.736 χ^2/NDF:2025674.4/28

All: 3996.579+/-0.541 χ^2/NDF: 4014499.2/52


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:6.9/9
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: -0.000+/-0.000 χ²/NDF:3.4/7
Left: -0.000+/-0.000 χ²/NDF: 10.3/17
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:21.6/23
Out: -0.000+/-0.000 χ²/NDF:29.4/28
All: -0.000+/-0.000 χ²/NDF: 51.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3286251.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:515312.8/7

Left: 0.000+/-0.000 χ^2/NDF: 6114186.1/17

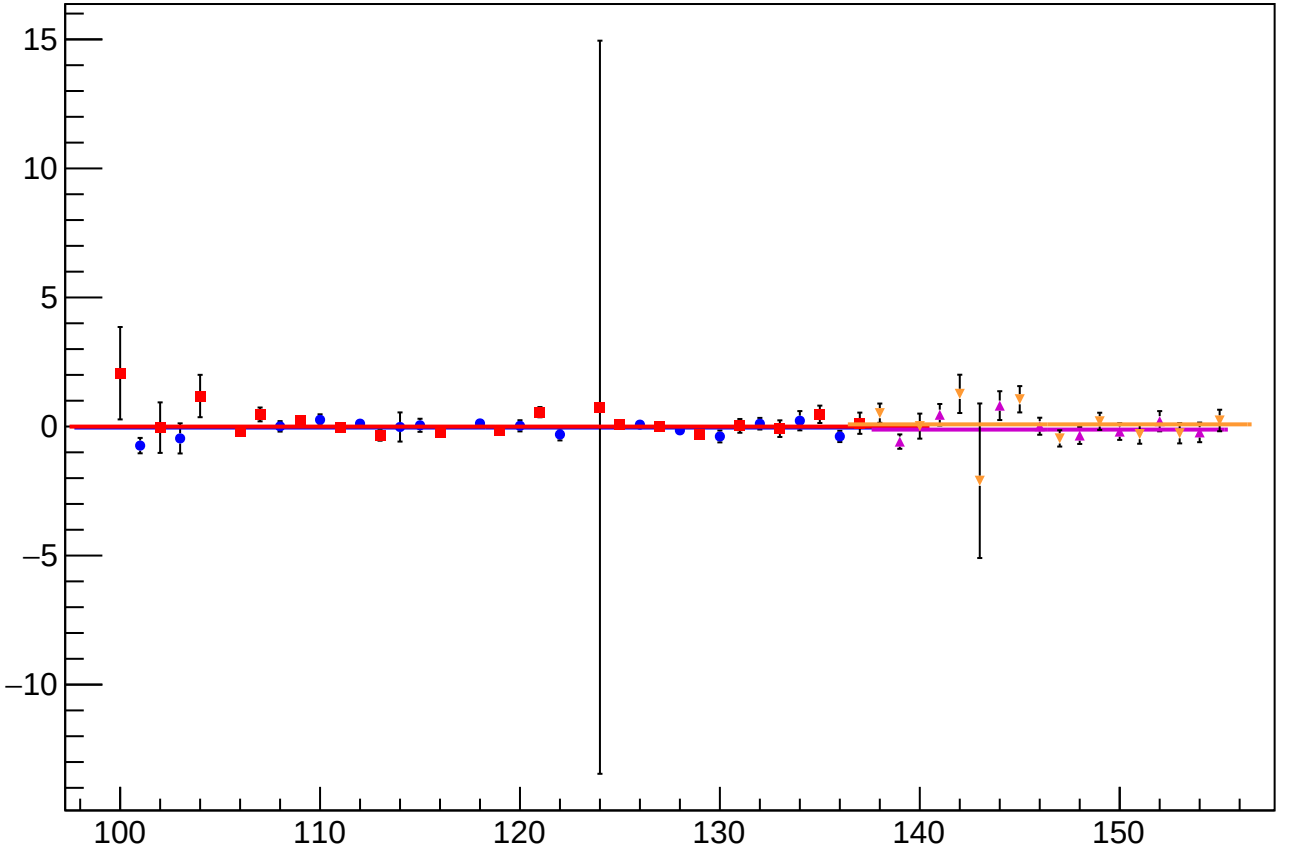
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1625903.1/23

Out: 0.000+/-0.000 χ^2/NDF:6987323.3/28

All: 0.000+/-0.000 χ^2/NDF: 12741124.0/52

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.083+/-0.134 χ^2/NDF:13.1/9

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.119+/-0.126 χ^2/NDF:8.9/7

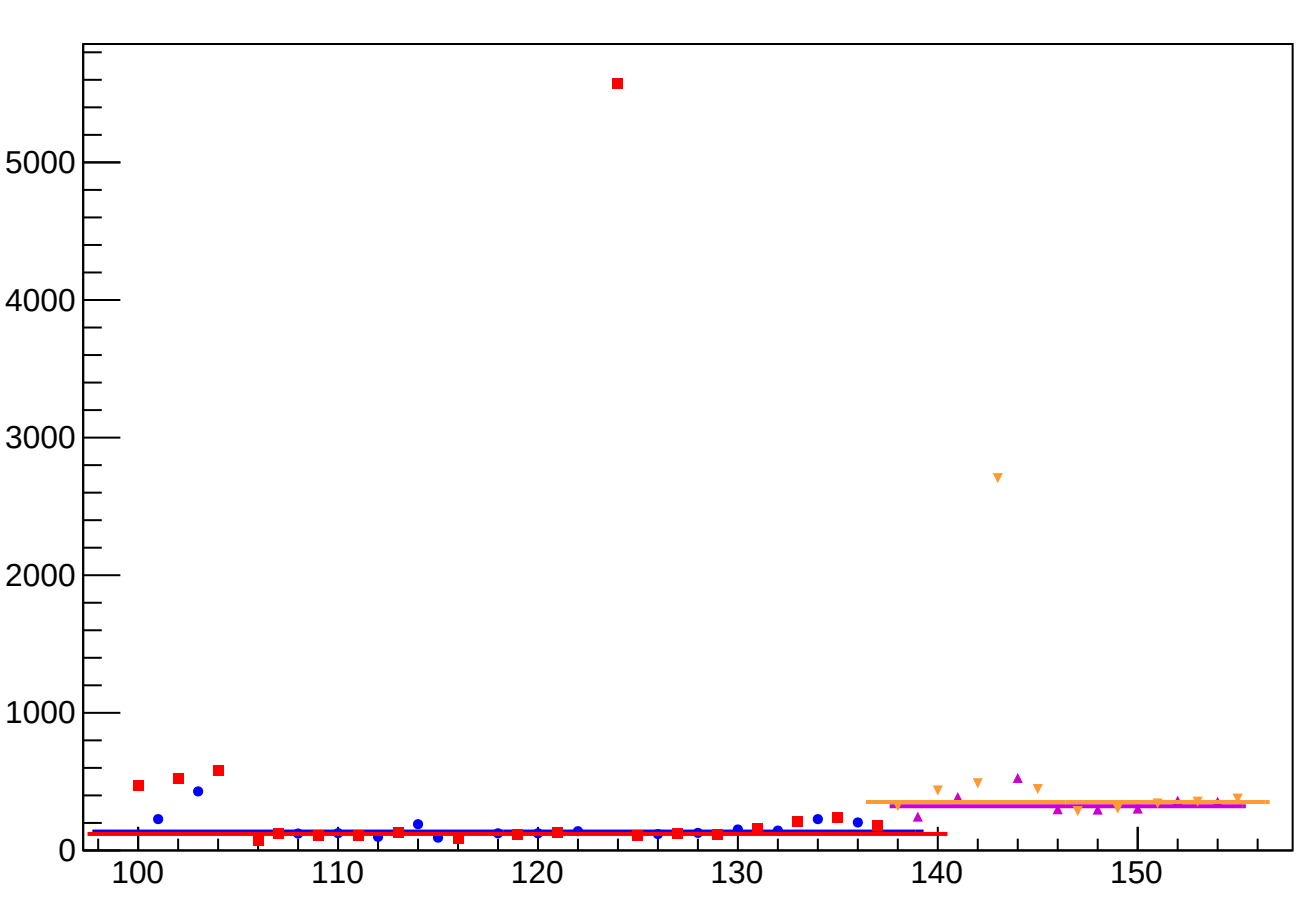
Left: -0.024+/-0.092 χ^2/NDF: 23.2/17

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.051 χ^2/NDF:27.2/23

Out: 0.008+/-0.048 χ^2/NDF:42.2/28

All: -0.020+/-0.035 χ^2/NDF: 70.1/52



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 351.940+/-0.095 χ^2/NDF:1580936.8/9

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 321.048+/-0.089 χ^2/NDF:530298.9/7

Left: 335.479+/-0.065 χ^2/NDF: 2167789.7/17

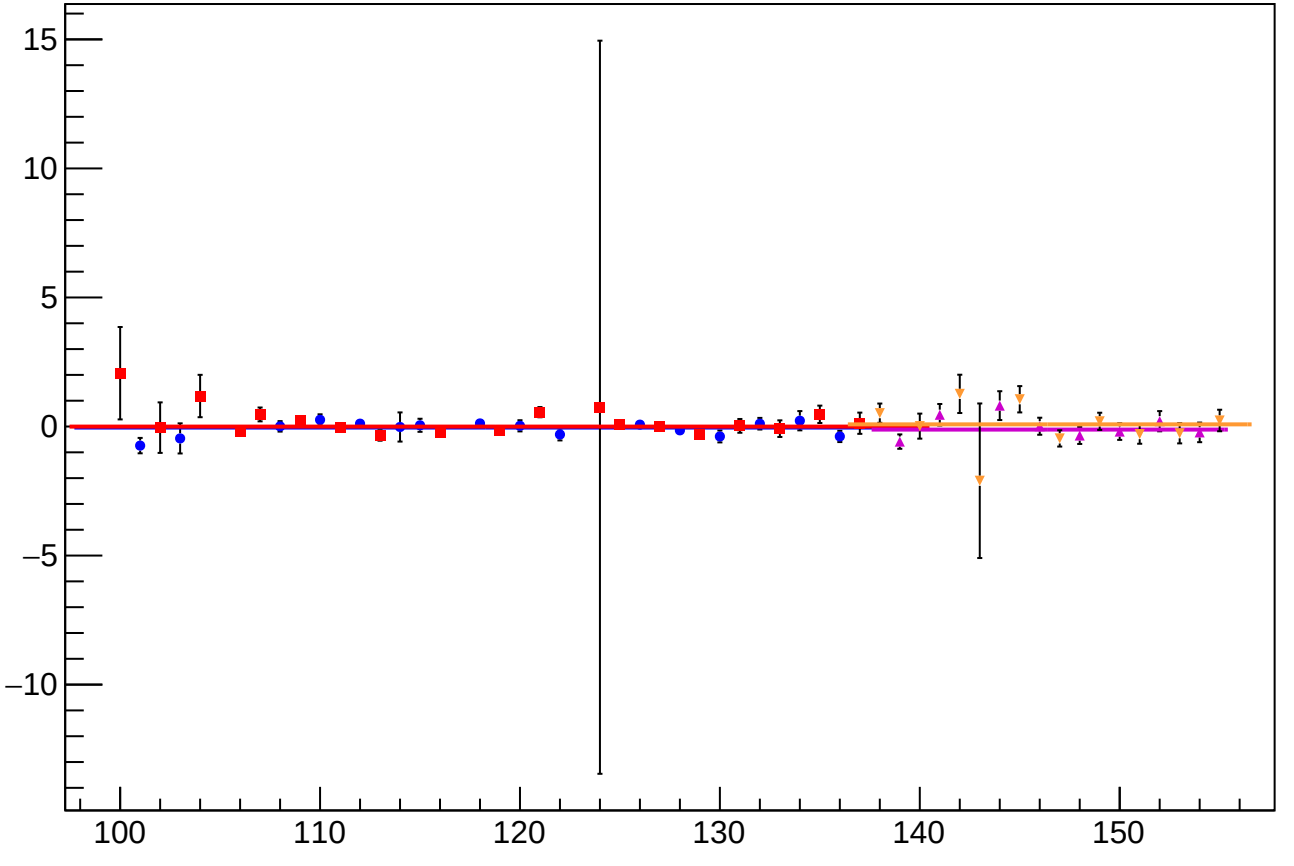
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 167.705+/-0.036 χ^2/NDF:5370834.4/23

Out: 149.238+/-0.034 χ^2/NDF:8949276.7/28

All: 157.836+/-0.025 χ^2/NDF: 14460208.0/52

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: 0.083+/-0.134 χ^2/NDF:13.1/9

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.119+/-0.126 χ^2/NDF:8.9/7

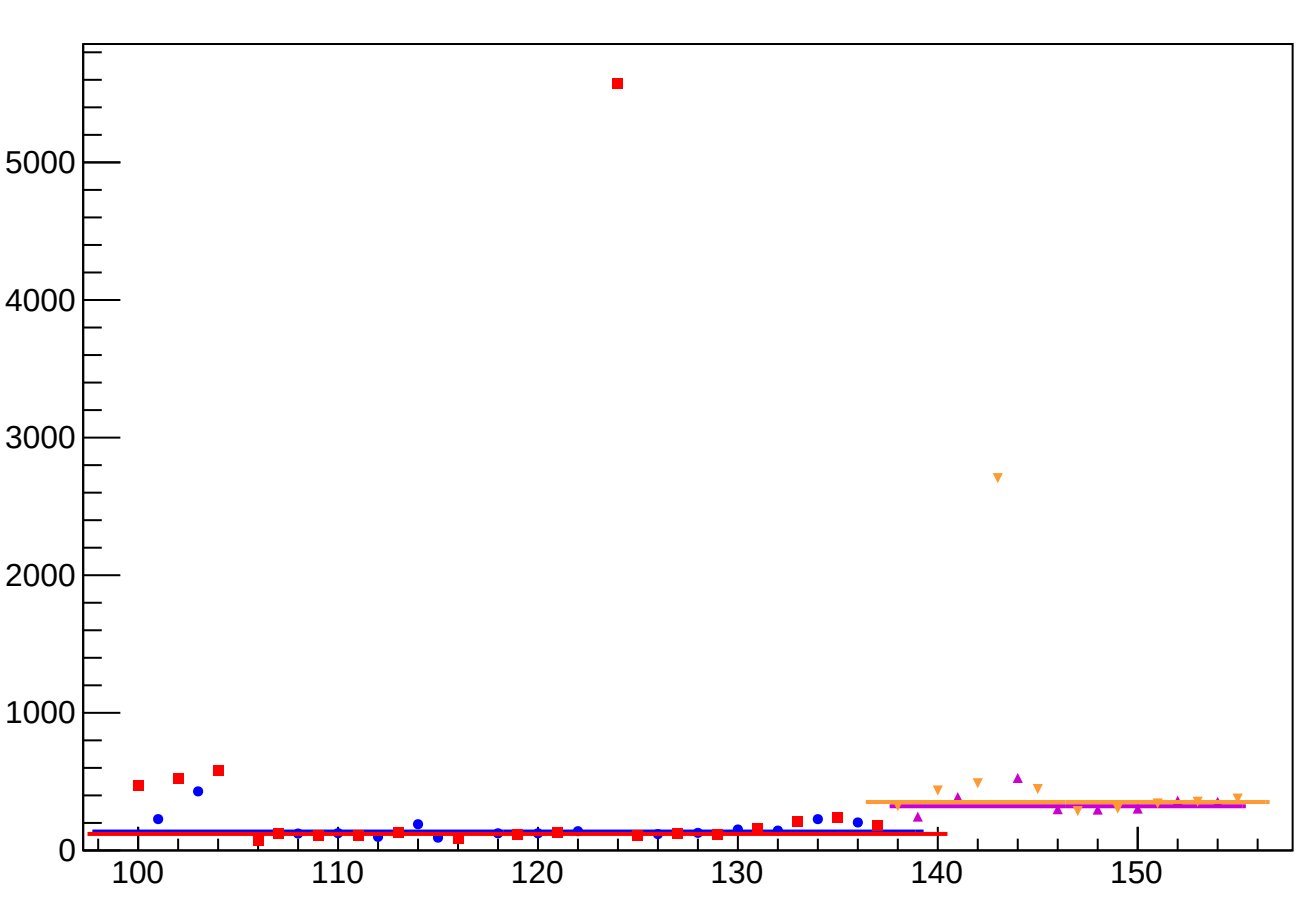
Left: -0.024+/-0.092 χ^2/NDF: 23.2/17

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.051 χ^2/NDF:27.2/23

Out: 0.008+/-0.048 χ^2/NDF:42.2/28

All: -0.020+/-0.035 χ^2/NDF: 70.1/52



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 351.940+/-0.095 χ^2/NDF:1580936.8/9

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 321.048+/-0.089 χ^2/NDF:530298.9/7

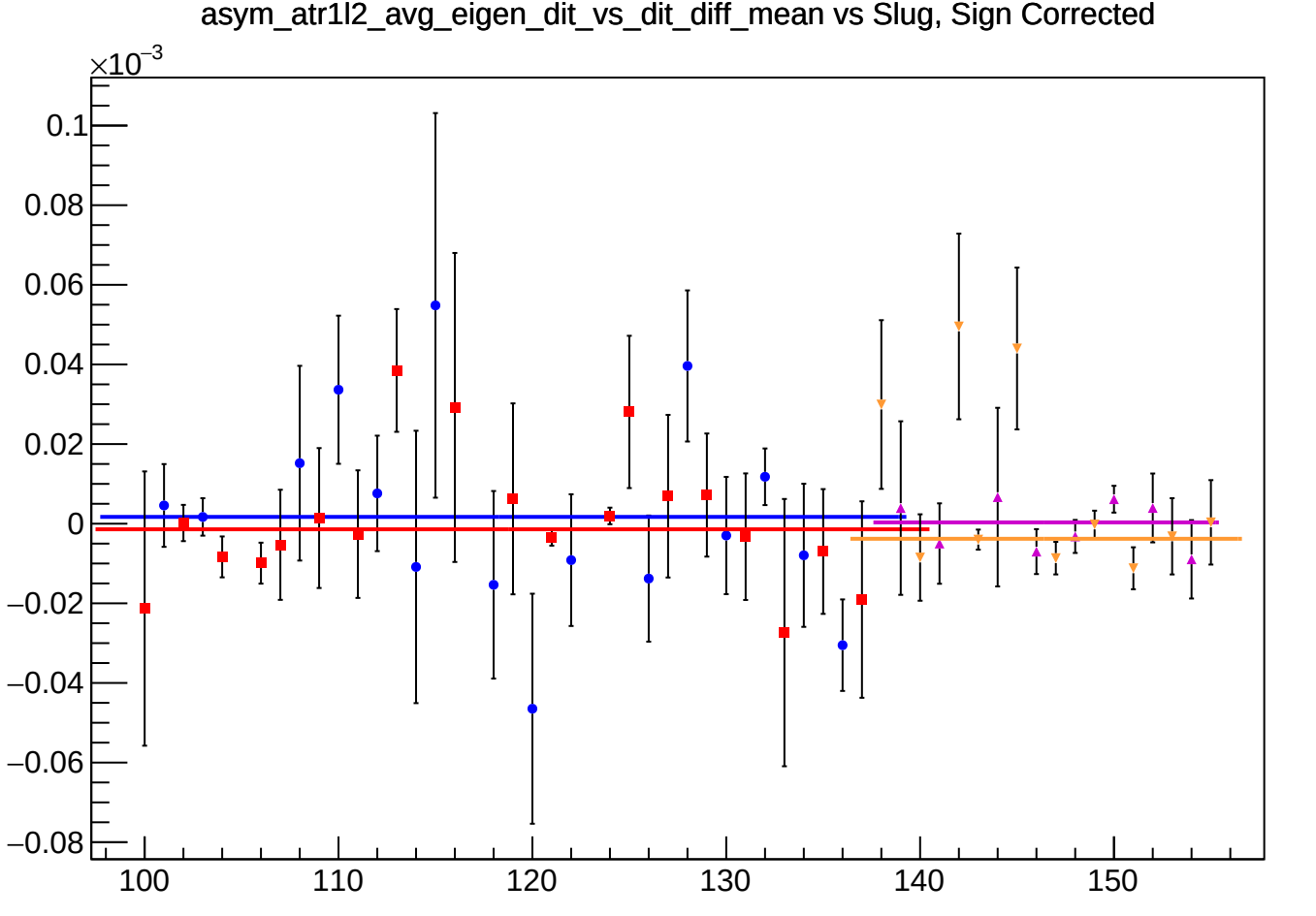
Left: 335.479+/-0.065 χ^2/NDF: 2167789.7/17

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 167.705+/-0.036 χ^2/NDF:5370834.4/23

Out: 149.238+/-0.034 χ^2/NDF:8949276.7/28

All: 157.836+/-0.025 χ^2/NDF: 14460208.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/9

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/7

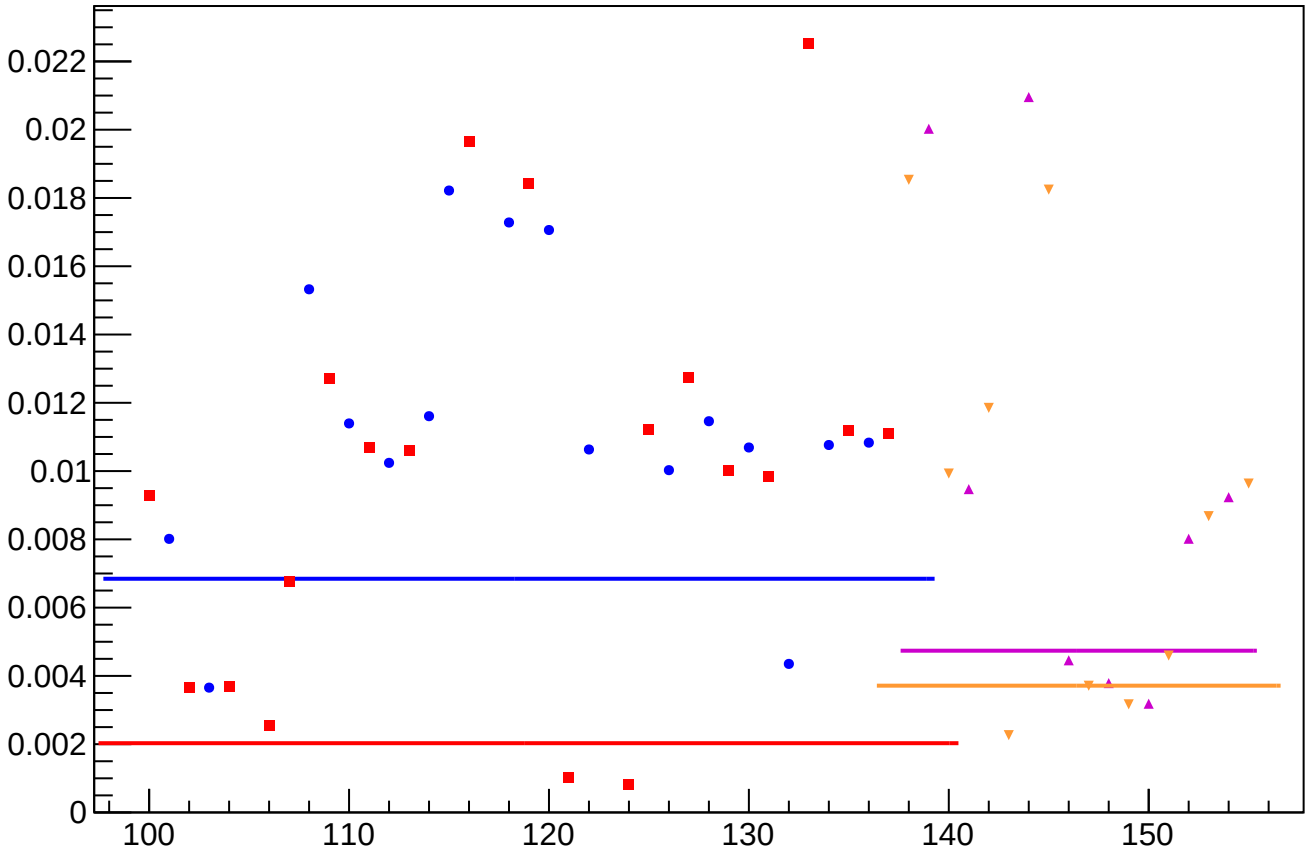
Left: -0.000+/-0.000 χ^2/NDF: 27.3/17

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:30.8/23

Out: -0.000+/-0.000 χ^2/NDF:39.7/28

All: -0.000+/-0.000 χ^2/NDF: 72.8/52



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:4830241.9/9

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:3709216.6/7

Left: 0.004+/-0.000 χ^2/NDF: 8825659.6/17

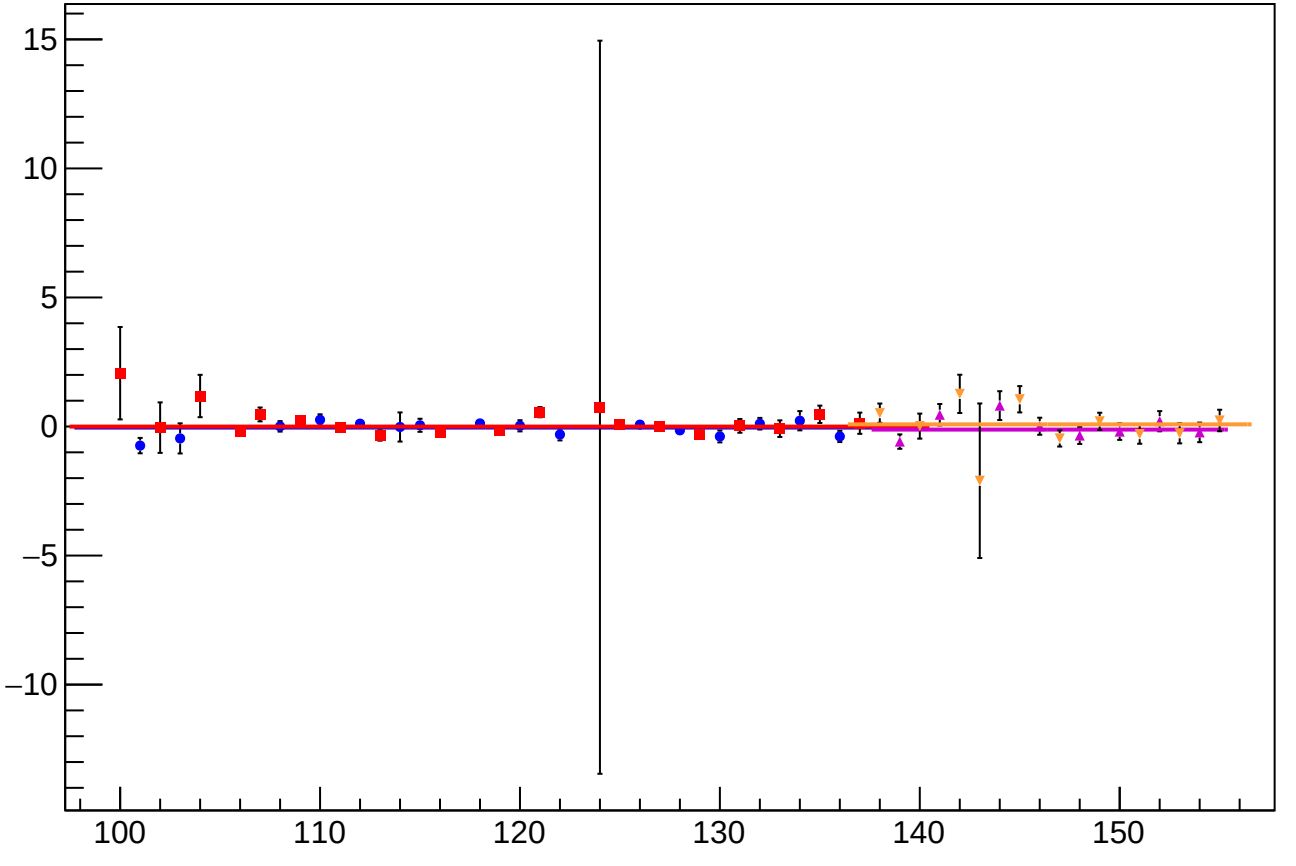
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:7600007.4/23

Out: 0.003+/-0.000 χ^2/NDF:15168244.4/28

All: 0.003+/-0.000 χ^2/NDF: 26693471.6/52

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: 0.083+/-0.134 χ^2/NDF:13.1/9

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.119+/-0.126 χ^2/NDF:8.9/7

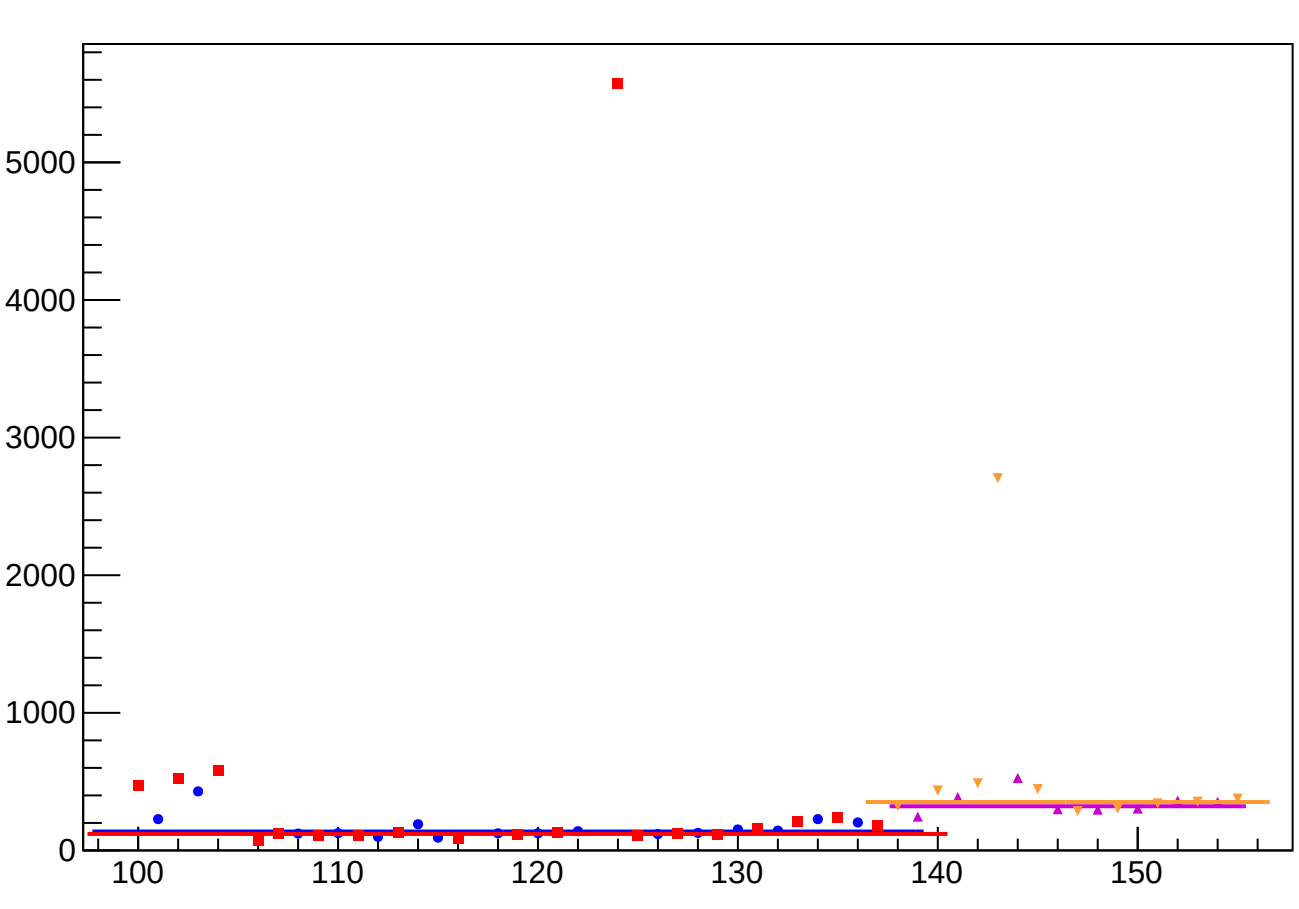
Left: -0.024+/-0.092 χ^2/NDF: 23.2/17

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.051 χ^2/NDF:27.2/23

Out: 0.008+/-0.048 χ^2/NDF:42.2/28

All: -0.020+/-0.035 χ^2/NDF: 70.1/52



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 351.943+/-0.095 χ^2/NDF:1580967.4/9

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 321.052+/-0.089 χ^2/NDF:530291.0/7

Left: 335.483+/-0.065 χ^2/NDF: 2167806.2/17

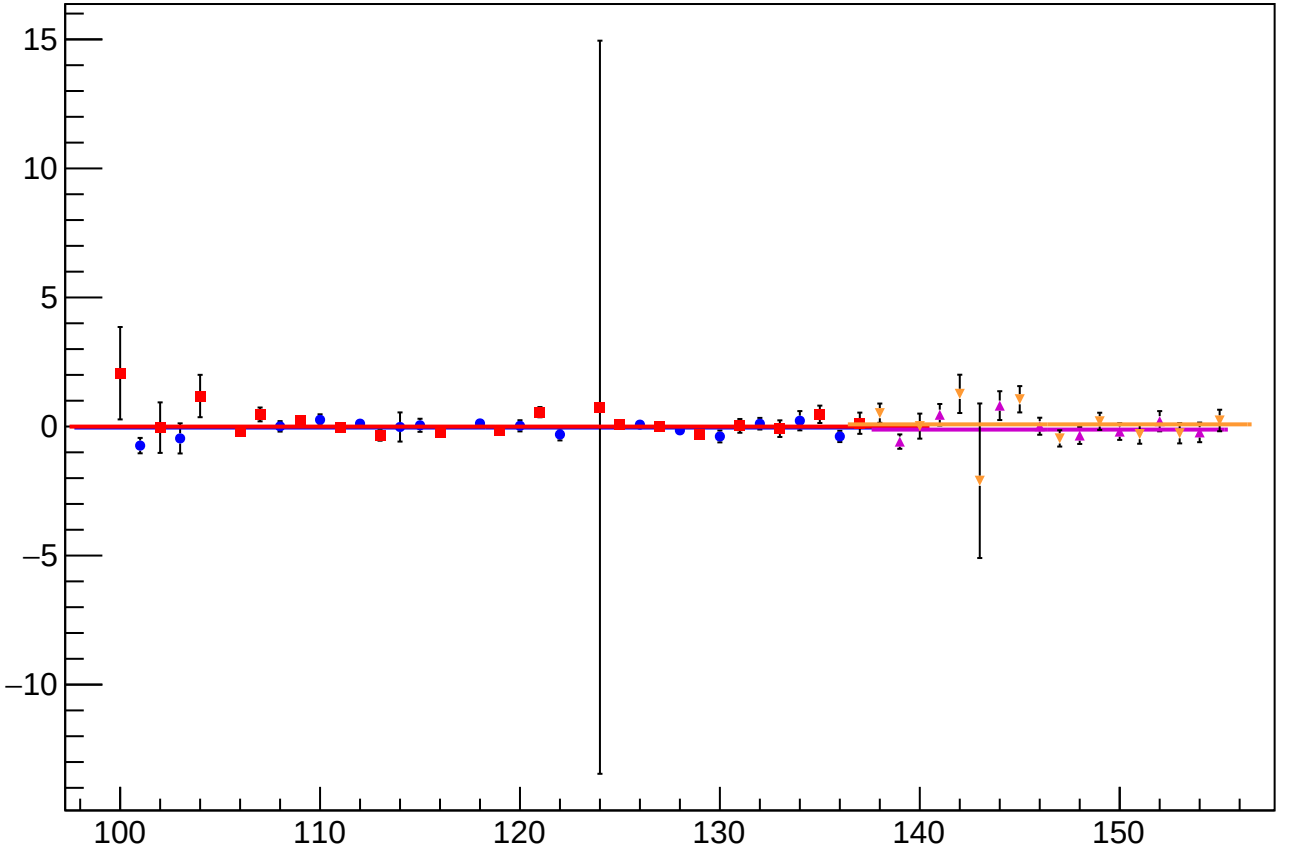
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 167.706+/-0.036 χ^2/NDF:5370814.3/23

Out: 149.238+/-0.034 χ^2/NDF:8949285.0/28

All: 157.836+/-0.025 χ^2/NDF: 14460213.7/52

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: 0.083+/-0.134 χ^2/NDF:13.1/9

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.119+/-0.126 χ^2/NDF:8.9/7

Left: -0.024+/-0.092 χ^2/NDF: 23.2/17

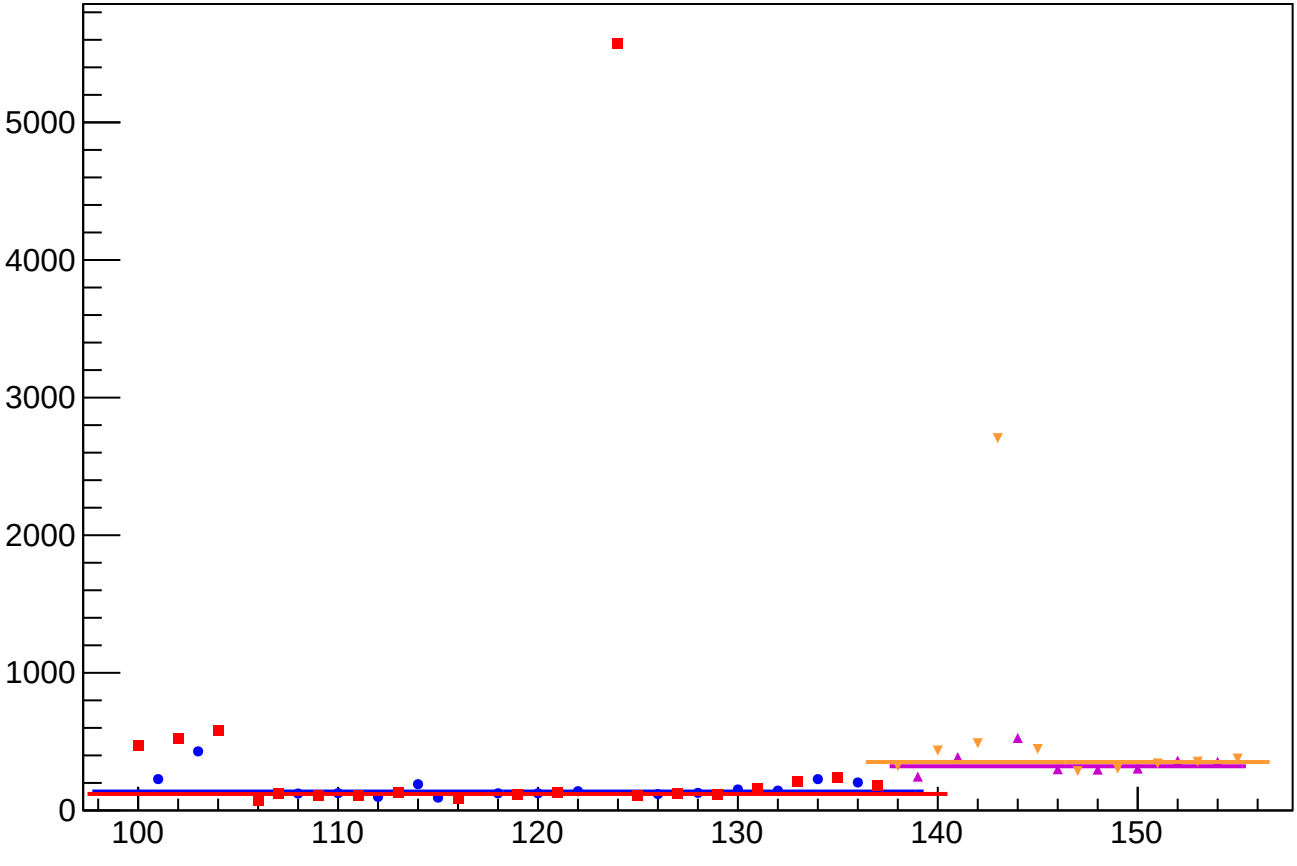
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.053+/-0.051 χ^2/NDF:27.2/23

Out: 0.008+/-0.048 χ^2/NDF:42.2/28

All: -0.020+/-0.035 χ^2/NDF: 70.1/52

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 351.943+/-0.095 χ^2/NDF:1580967.4/9

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 321.052+/-0.089 χ^2/NDF:530291.0/7

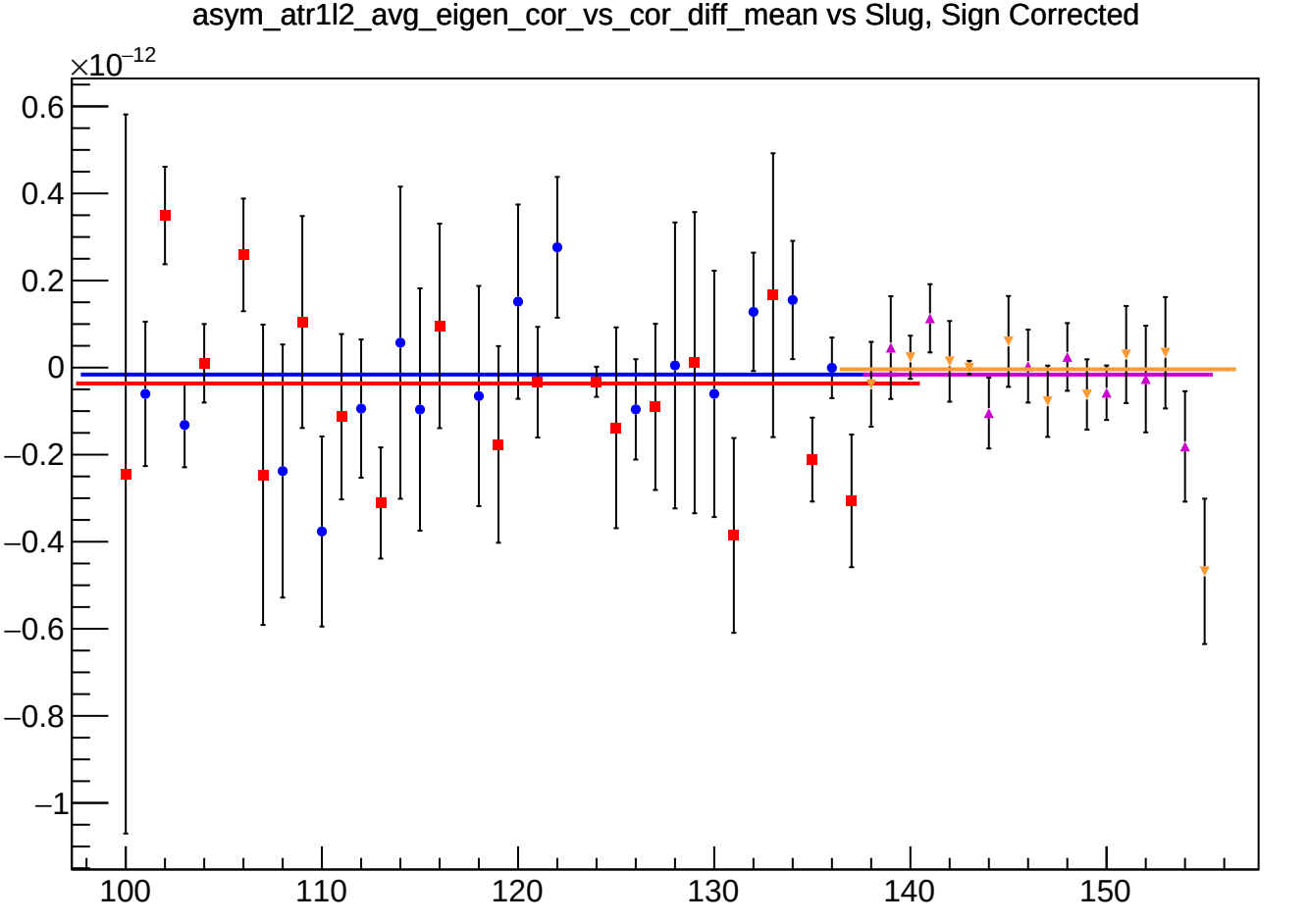
Left: 335.483+/-0.065 χ^2/NDF: 2167806.2/17

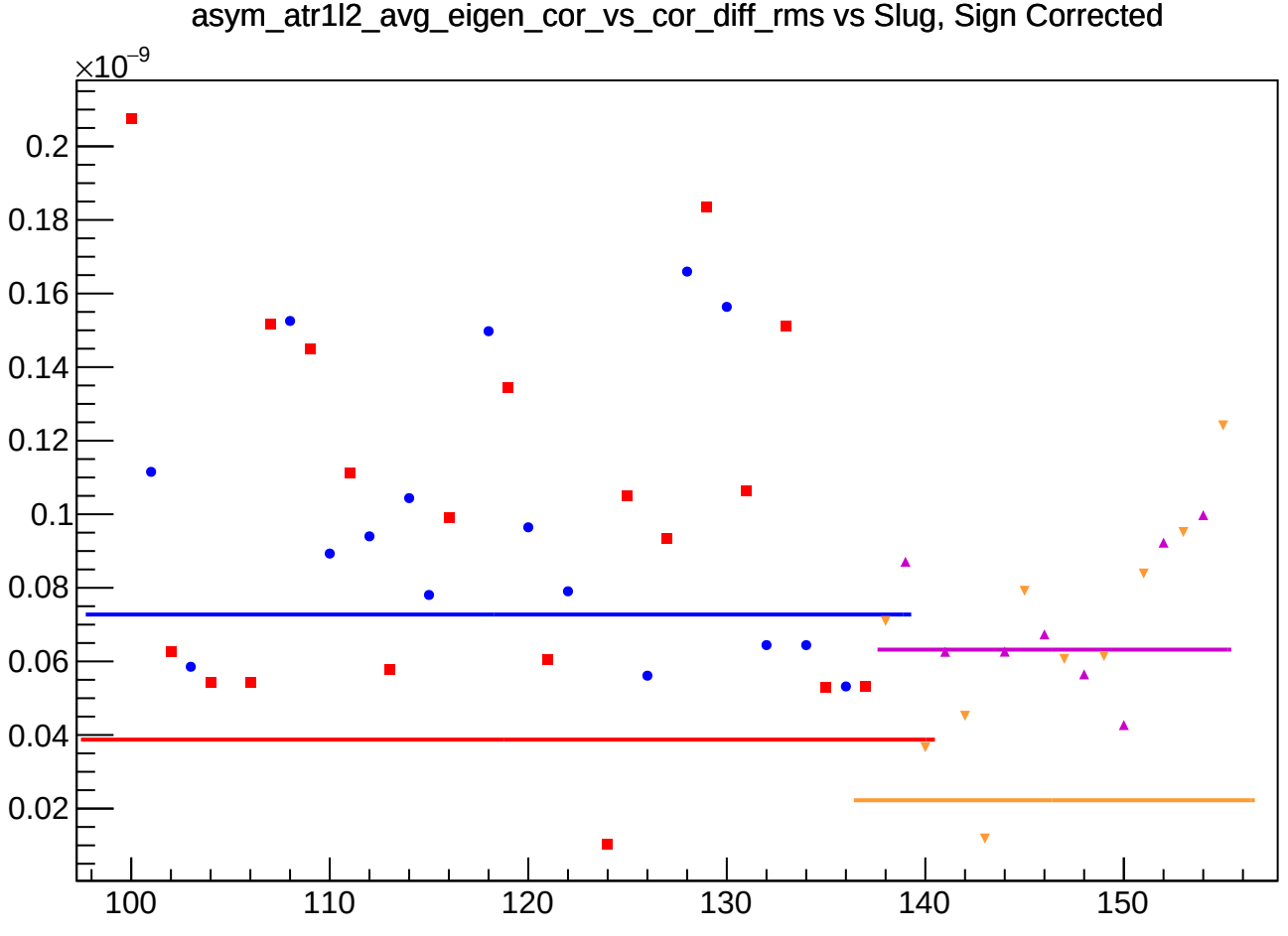
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 167.706+/-0.036 χ^2/NDF:5370814.3/23

Out: 149.238+/-0.034 χ^2/NDF:8949285.0/28

All: 157.836+/-0.025 χ^2/NDF: 14460213.7/52


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: -0.000+/-0.000 χ²/NDF:10.1/9
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: -0.000+/-0.000 χ²/NDF:6.6/7
Left: -0.000+/-0.000 χ²/NDF: 16.9/17
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:19.0/23
Out: -0.000+/-0.000 χ²/NDF:44.6/28
All: -0.000+/-0.000 χ²/NDF: 63.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5213736.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:596002.7/7

Left: 0.000+/-0.000 χ^2/NDF: 8819581.5/17

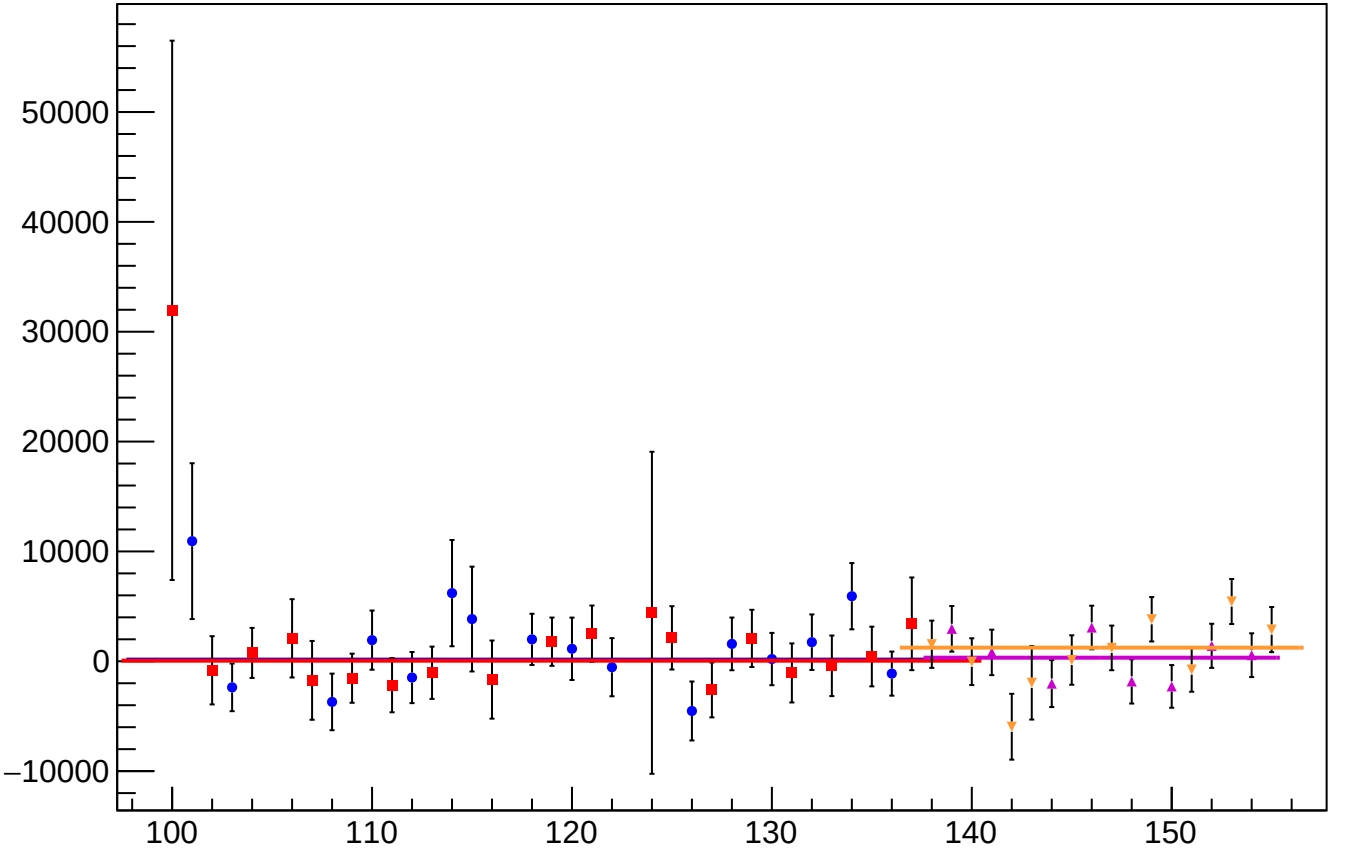
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:1802719.7/23

Out: 0.000+/-0.000 χ^2/NDF:10132939.9/28

All: 0.000+/-0.000 χ^2/NDF: 16760389.5/52

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1241.167+/-699.658 χ^2/NDF:14.8/9

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: 326.378+/-716.205 χ^2/NDF:8.1/7

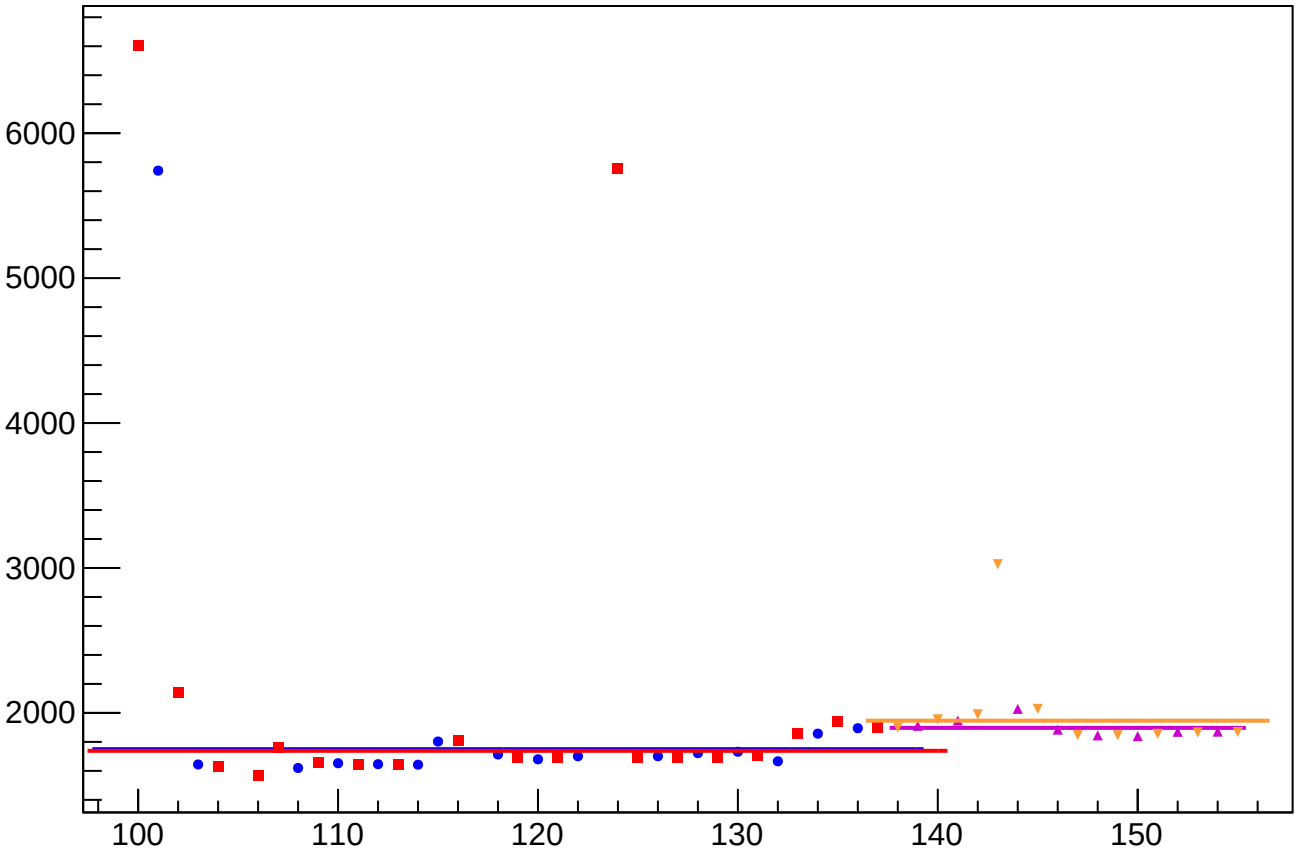
Left: 794.462+/-500.481 χ^2/NDF: 23.6/17

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 232.313+/-488.121 χ^2/NDF:25.7/23

Out: 608.785+/-478.267 χ^2/NDF:25.3/28

All: 424.387+/-341.616 χ^2/NDF: 51.3/52



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1946.451+/-0.495 χ^2/NDF:231646.8/9

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1896.809+/-0.506 χ^2/NDF:12603.2/7

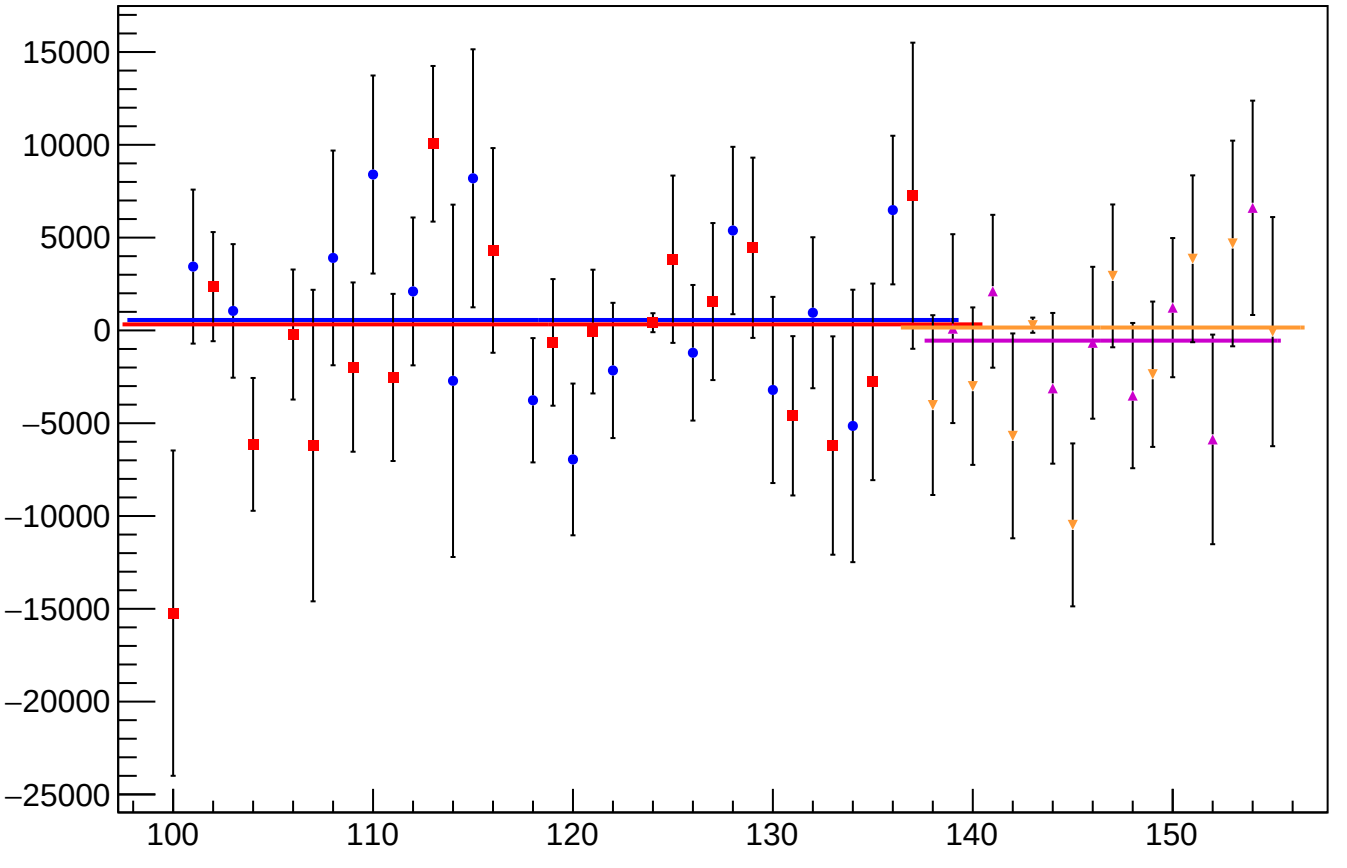
Left: 1922.210+/-0.354 χ^2/NDF: 249166.4/17

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1818.119+/-0.345 χ^2/NDF:727263.9/23

Out: 1834.904+/-0.337 χ^2/NDF:630914.5/28

All: 1826.716+/-0.241 χ^2/NDF: 1359389.6/52



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 155.854+/-395.310 χ^2/NDF:10.7/9

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -550.660+/-1550.954 χ^2/NDF:4.1/7

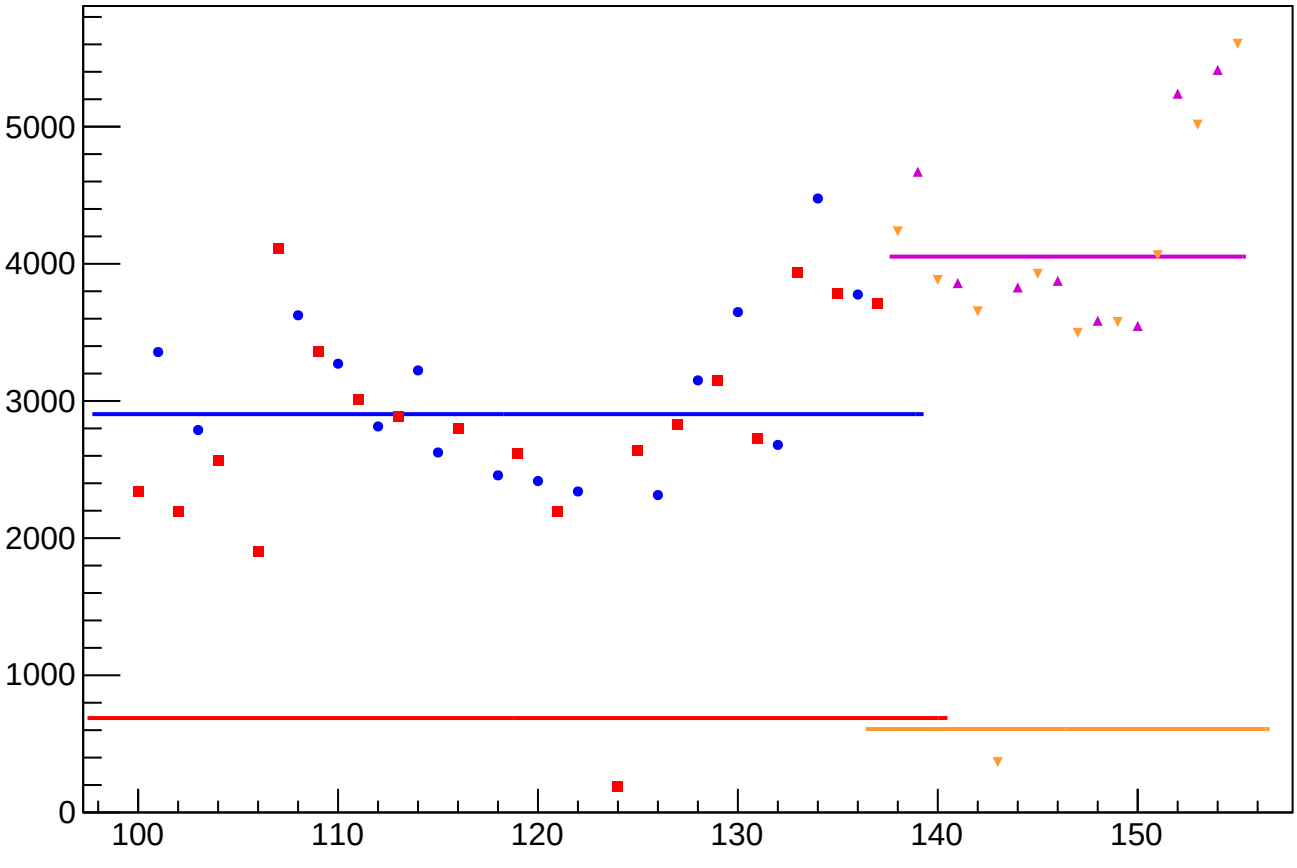
Left: 112.755+/-383.063 χ^2/NDF: 14.9/17

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 189.323+/-897.873 χ^2/NDF:19.2/23

Out: 228.318+/-299.241 χ^2/NDF:30.0/28

All: 224.420+/-283.890 χ^2/NDF: 49.2/52



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 608.283+/-0.280 χ^2/NDF:10794589.0/9

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4052.608+/-1.097 χ^2/NDF:308474.9/7

Left: 818.393+/-0.271 χ^2/NDF: 20365074.7/17

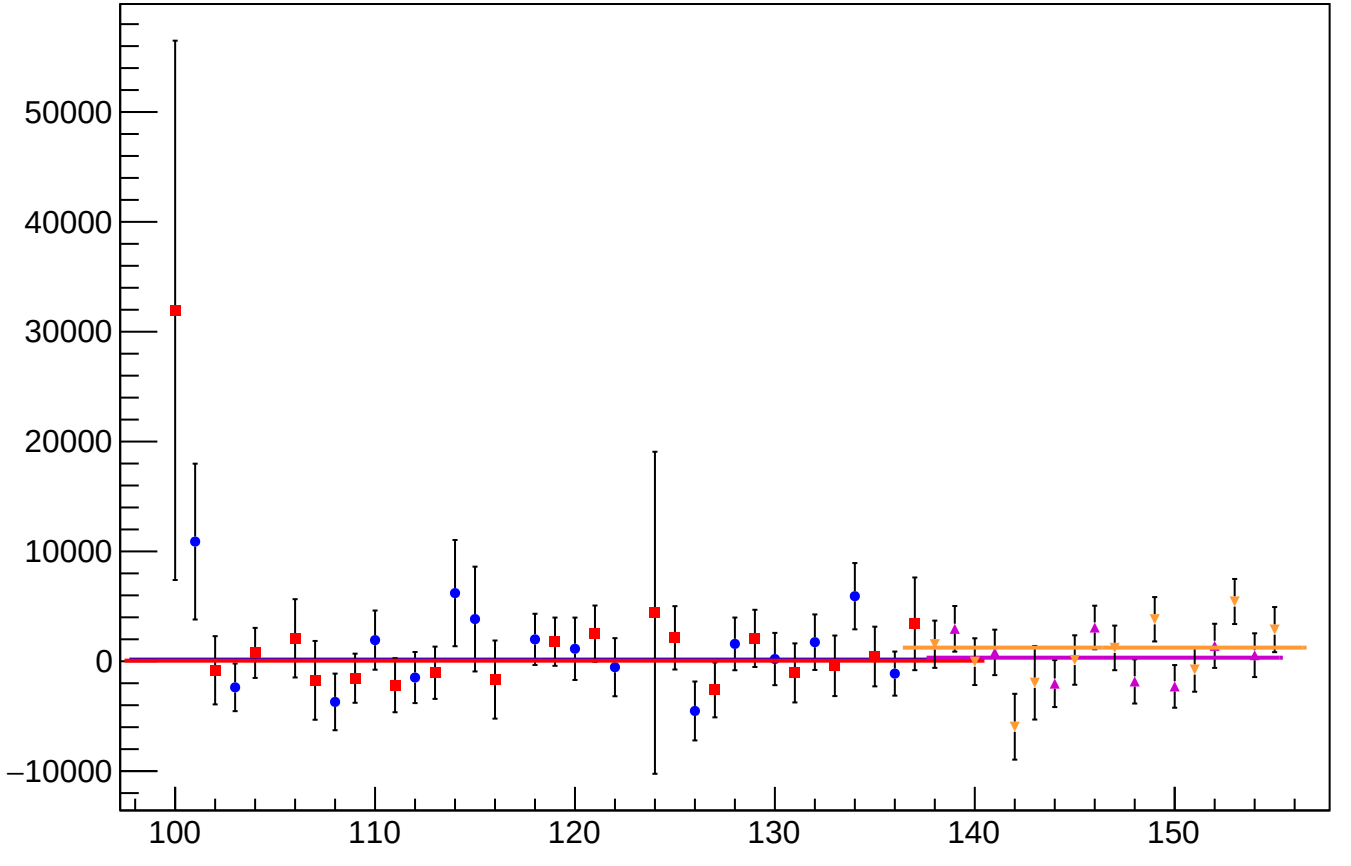
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3288.989+/-0.635 χ^2/NDF:1517469.0/23

Out: 642.457+/-0.212 χ^2/NDF:20978508.3/28

All: 907.031+/-0.201 χ^2/NDF: 38135058.4/52

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1241.105+/-699.658 χ^2/NDF:14.8/9

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 326.358+/-716.205 χ^2/NDF:8.1/7

Left: 794.420+/-500.481 χ^2/NDF: 23.6/17

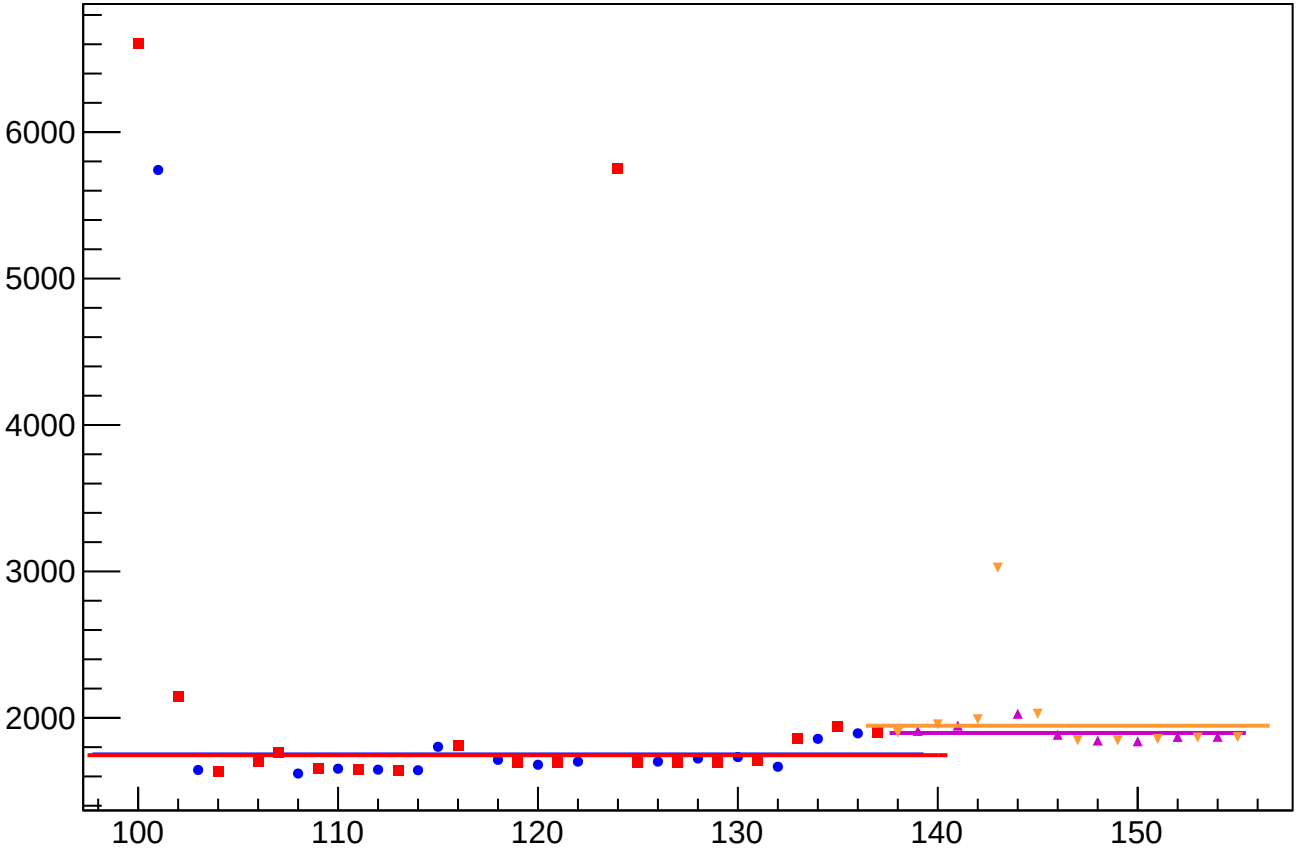
Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 232.053+/-488.121 χ^2/NDF:25.7/23

Out: 608.784+/-478.267 χ^2/NDF:25.2/28

All: 424.259+/-341.616 χ^2/NDF: 51.3/52

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1946.451+/-0.495 χ^2/NDF:231646.8/9

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1896.810+/-0.506 χ^2/NDF:12603.2/7

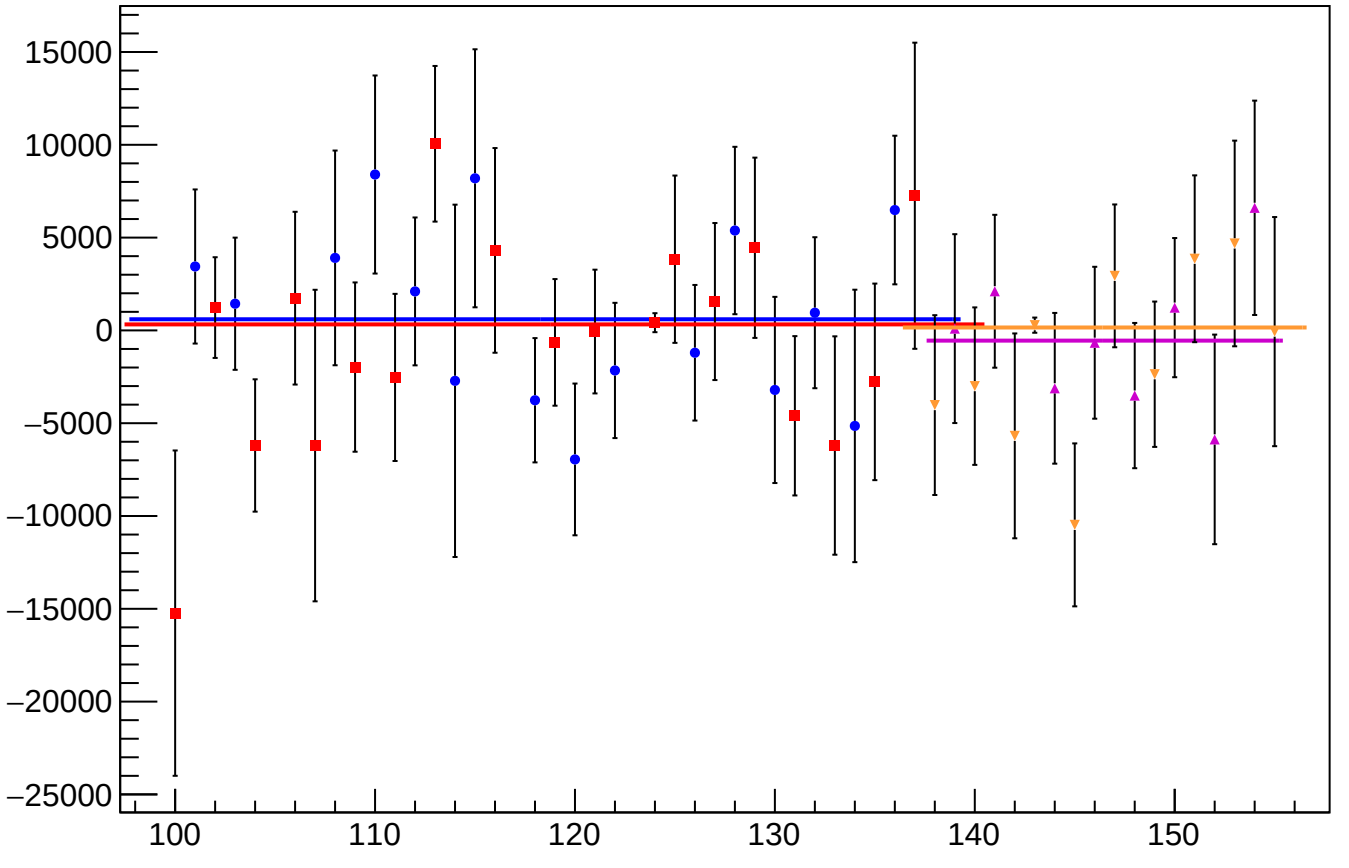
Left: 1922.210+/-0.354 χ^2/NDF: 249166.4/17

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1818.119+/-0.345 χ^2/NDF:727264.3/23

Out: 1838.858+/-0.338 χ^2/NDF:618098.3/28

All: 1828.721+/-0.241 χ^2/NDF: 1347208.1/52



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 156.809+/-395.343 χ^2/NDF:10.7/9

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -550.756+/-1550.950 χ^2/NDF:4.1/7

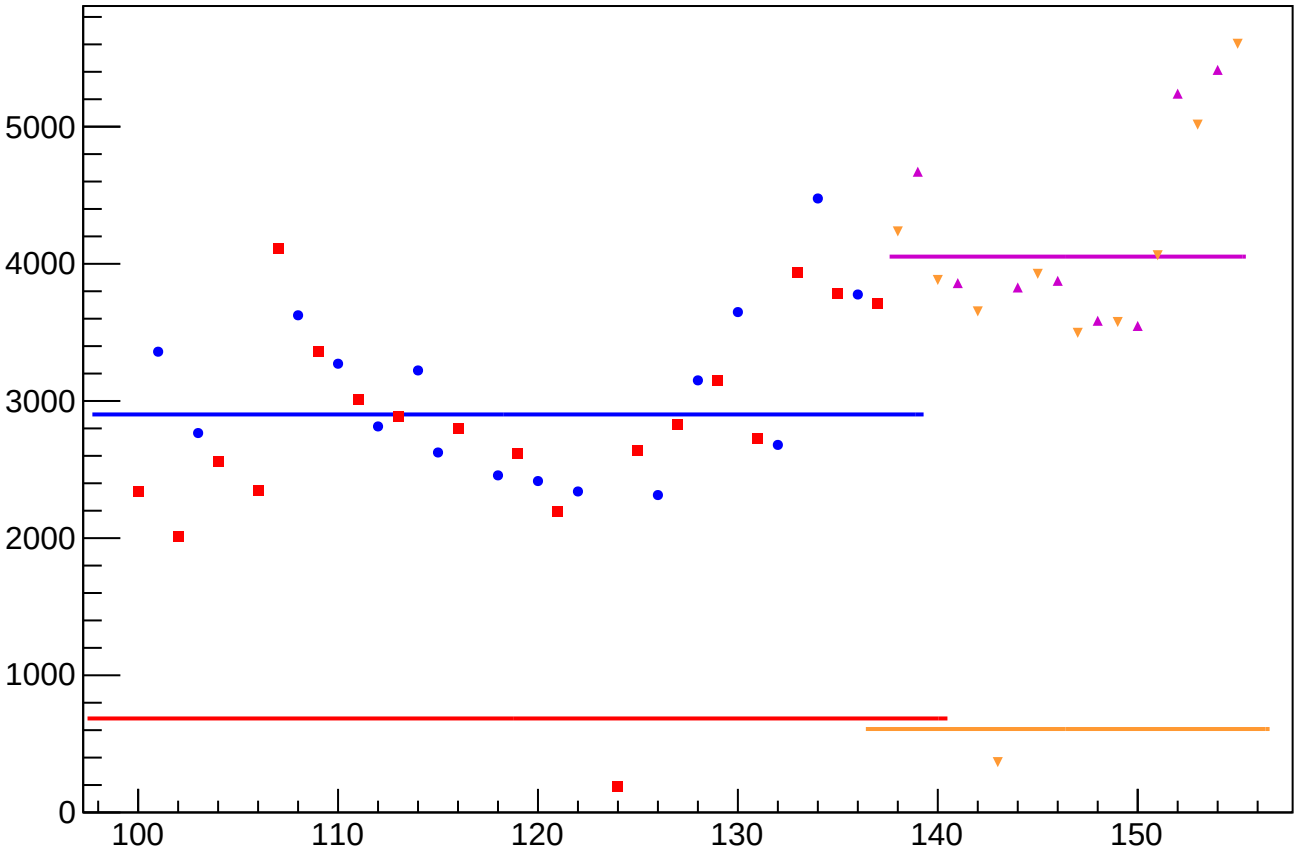
Left: 113.640+/-383.093 χ^2/NDF: 14.9/17

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 214.946+/-897.310 χ^2/NDF:19.3/23

Out: 227.684+/-299.510 χ^2/NDF:29.8/28

All: 226.407+/-284.102 χ^2/NDF: 49.0/52



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 608.362+/-0.280 χ^2/NDF:10794237.1/9

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4052.597+/-1.097 χ^2/NDF:308479.1/7

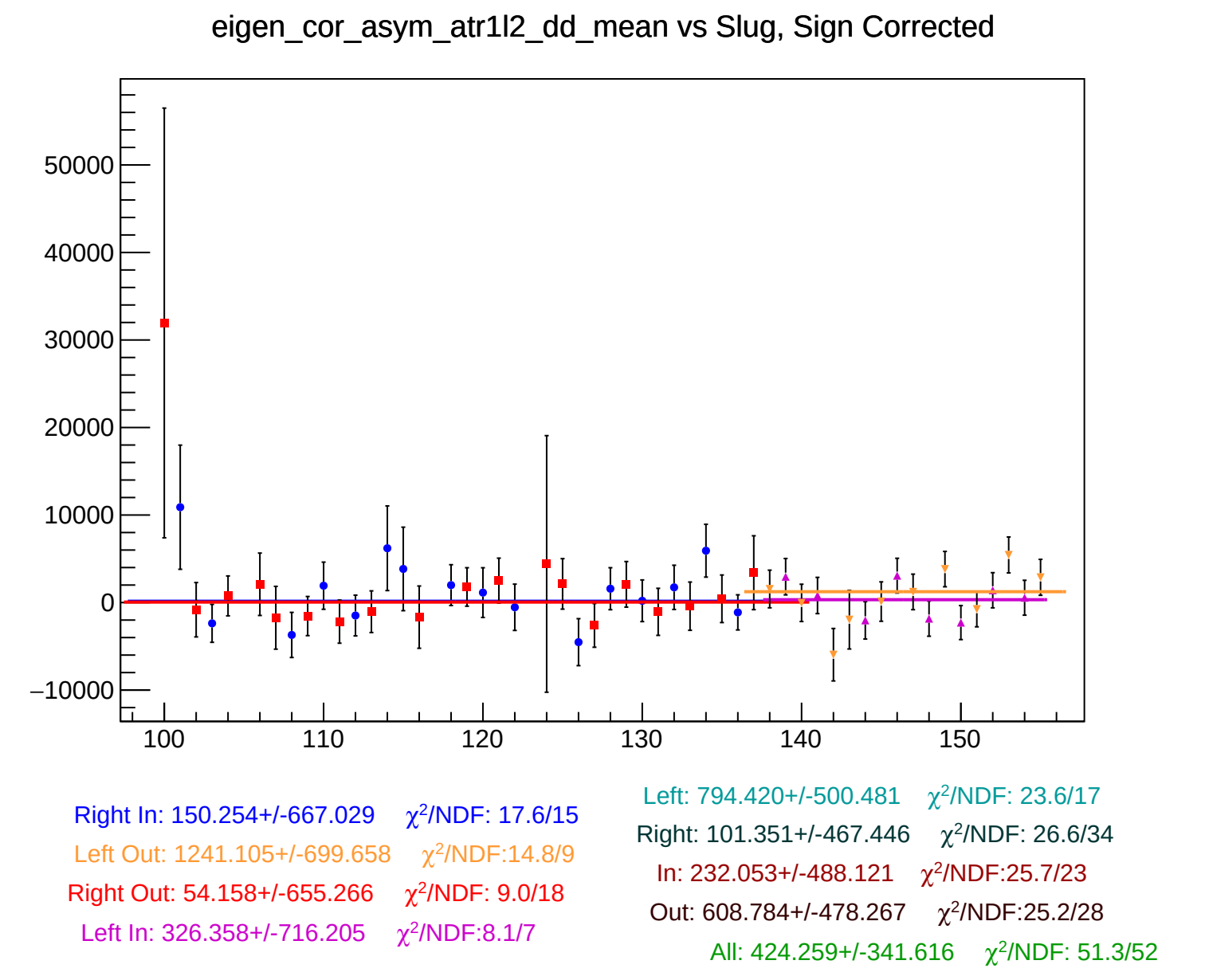
Left: 818.500+/-0.271 χ^2/NDF: 20364197.7/17

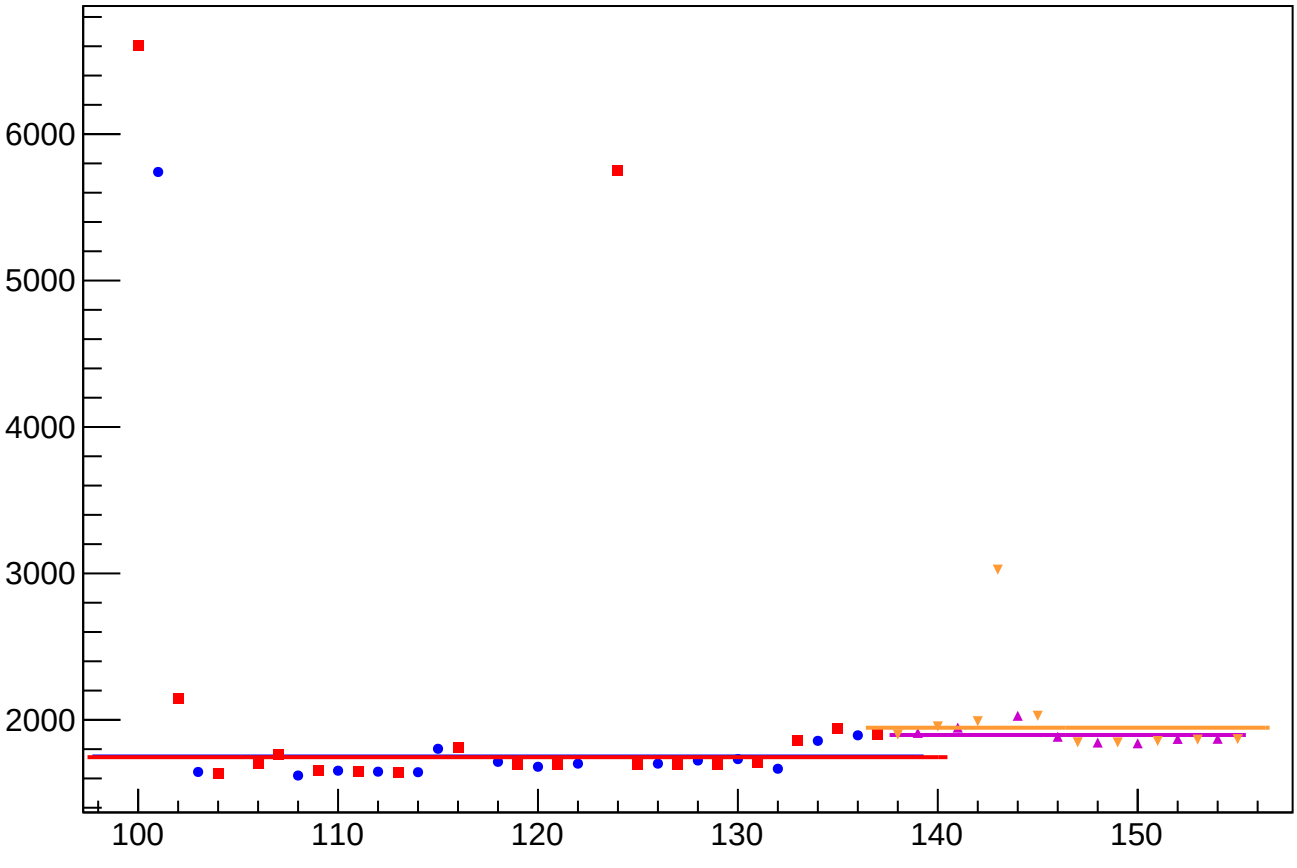
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3287.042+/-0.634 χ^2/NDF:1521877.3/23

Out: 641.123+/-0.212 χ^2/NDF:20932270.4/28

All: 906.363+/-0.201 χ^2/NDF: 38100847.2/52


eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: 150.254+/-667.029 χ²/NDF: 17.6/15
Left Out: 1241.105+/-699.658 χ²/NDF:14.8/9
Right Out: 54.158+/-655.266 χ²/NDF: 9.0/18
Left In: 326.358+/-716.205 χ²/NDF:8.1/7
Left: 794.420+/-500.481 χ²/NDF: 23.6/17
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: 232.053+/-488.121 χ²/NDF:25.7/23
Out: 608.784+/-478.267 χ²/NDF:25.2/28
All: 424.259+/-341.616 χ²/NDF: 51.3/52



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1946.451+/-0.495 χ^2/NDF:231646.8/9

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1896.810+/-0.506 χ^2/NDF:12603.2/7

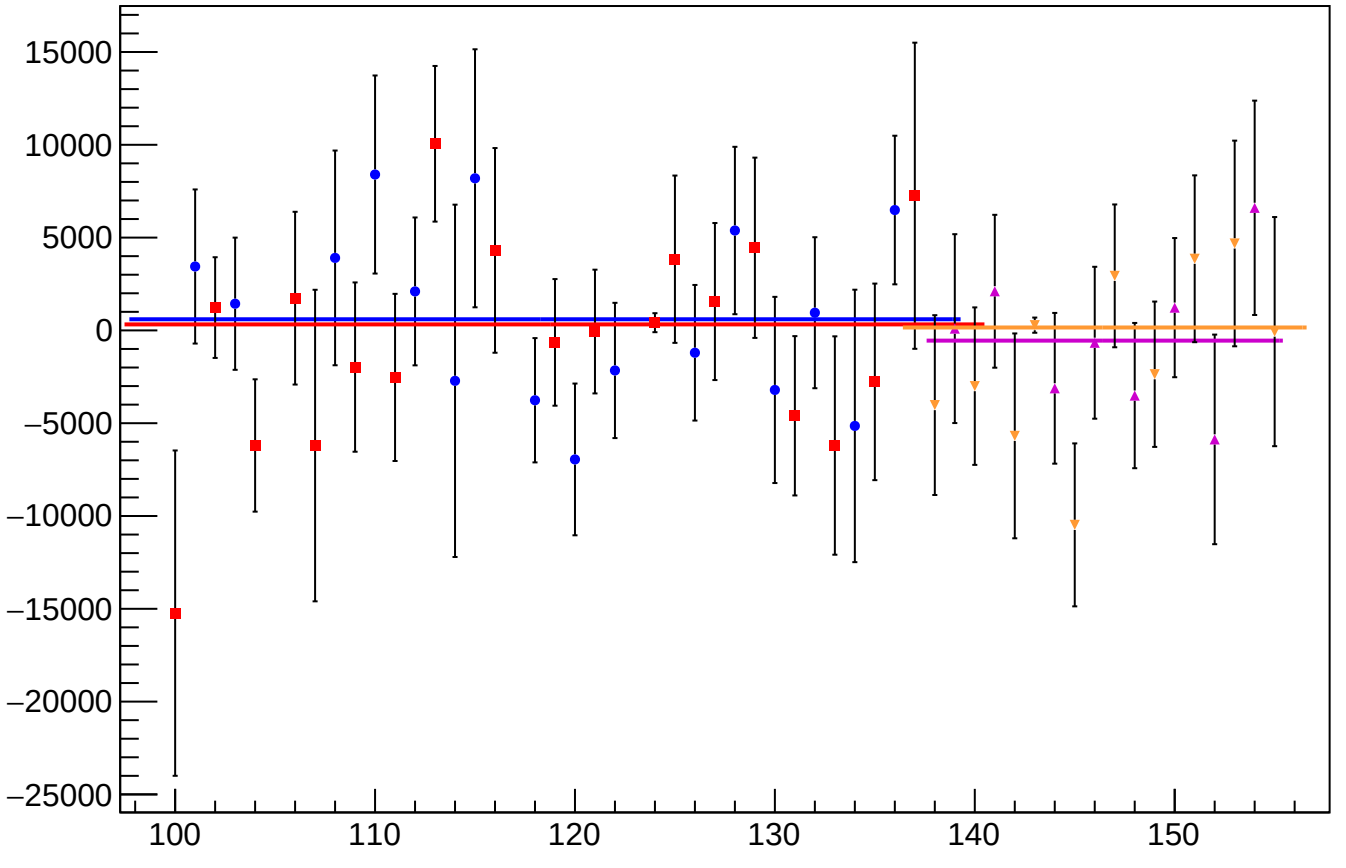
Left: 1922.210+/-0.354 χ^2/NDF: 249166.4/17

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1818.119+/-0.345 χ^2/NDF:727264.3/23

Out: 1838.858+/-0.338 χ^2/NDF:618098.3/28

All: 1828.721+/-0.241 χ^2/NDF: 1347208.1/52



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 156.809+/-395.343 χ^2/NDF:10.7/9

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -550.756+/-1550.950 χ^2/NDF:4.1/7

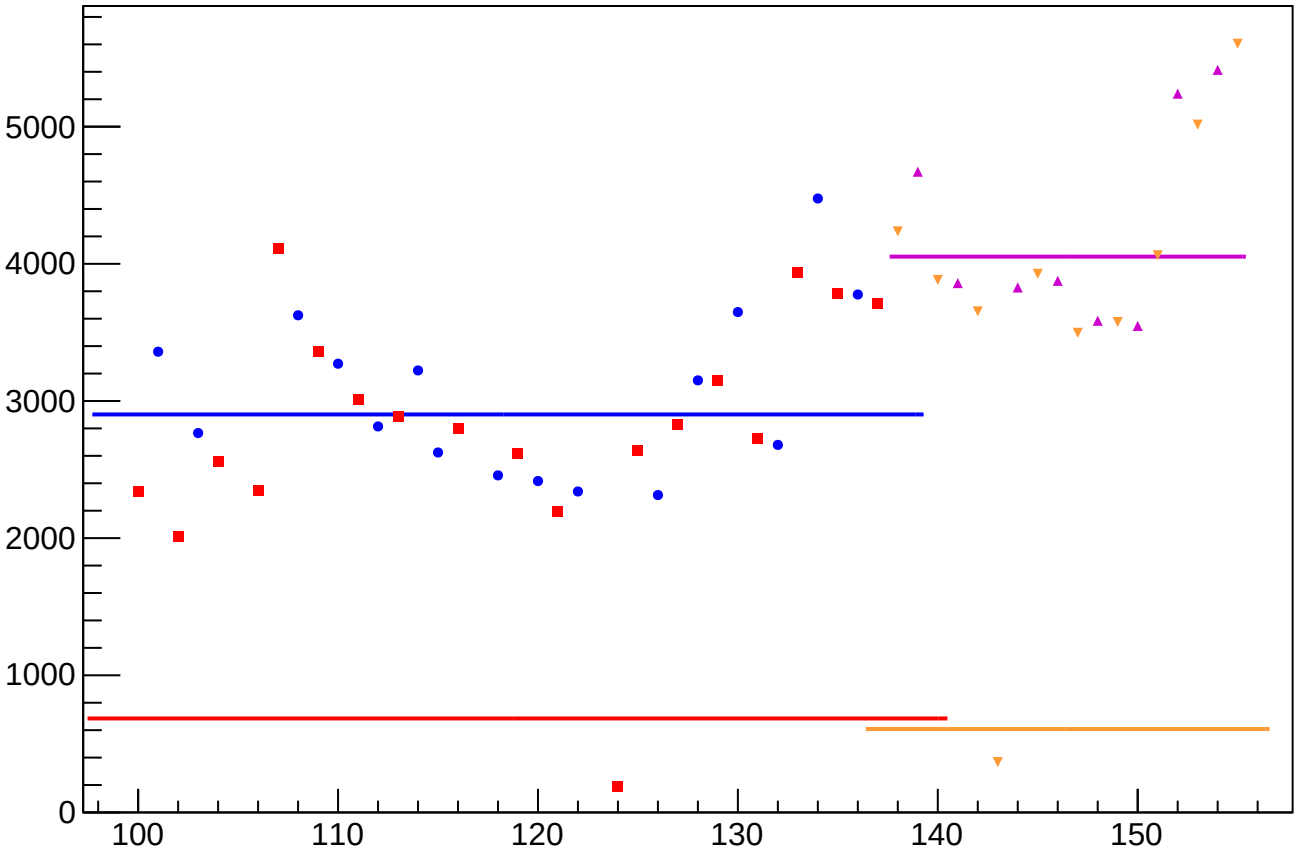
Left: 113.640+/-383.093 χ^2/NDF: 14.9/17

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 214.946+/-897.310 χ^2/NDF:19.3/23

Out: 227.684+/-299.510 χ^2/NDF:29.8/28

All: 226.407+/-284.102 χ^2/NDF: 49.0/52



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 608.362+/-0.280 χ^2/NDF:10794237.1/9

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4052.597+/-1.097 χ^2/NDF:308479.1/7

Left: 818.500+/-0.271 χ^2/NDF: 20364197.7/17

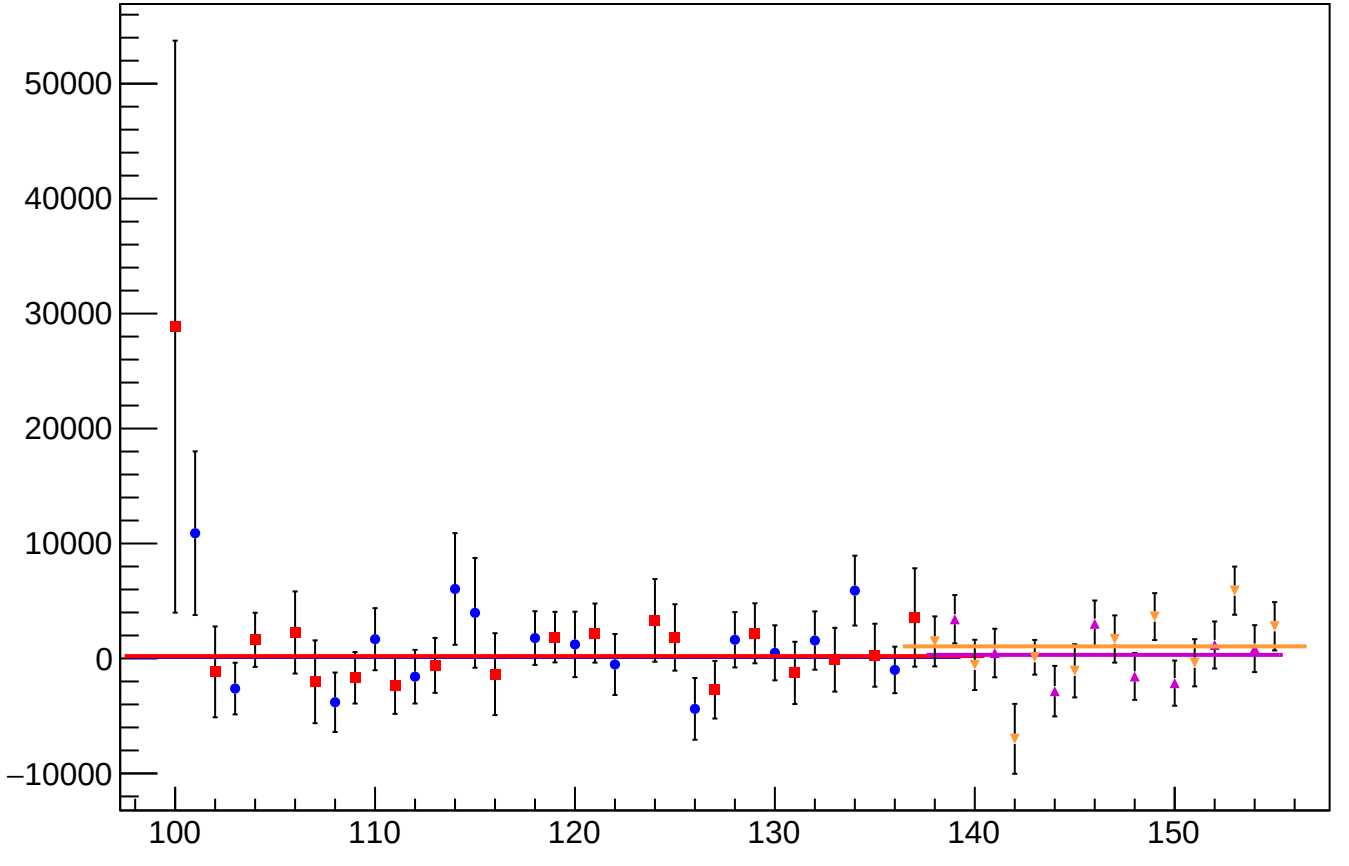
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3287.042+/-0.634 χ^2/NDF:1521877.3/23

Out: 641.123+/-0.212 χ^2/NDF:20932270.4/28

All: 906.363+/-0.201 χ^2/NDF: 38100847.2/52

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1053.187+/-656.016 χ^2/NDF:17.1/9

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: 313.066+/-729.013 χ^2/NDF:8.7/7

Left: 722.026+/-487.645 χ^2/NDF: 26.3/17

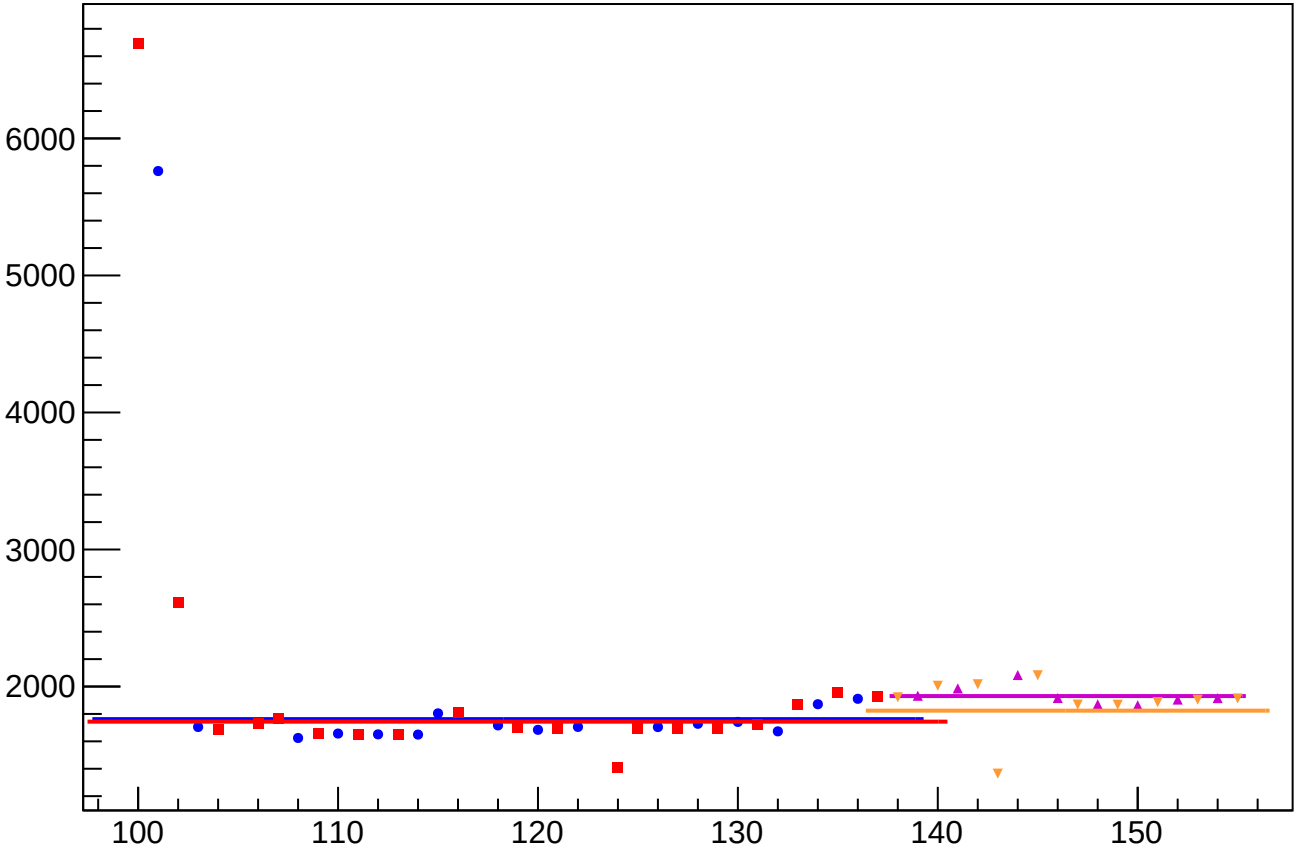
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 216.120+/-493.953 χ^2/NDF:26.0/23

Out: 628.289+/-463.317 χ^2/NDF:27.6/28

All: 435.382+/-337.926 χ^2/NDF: 54.0/52

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1823.957+/-0.464 χ^2/NDF:246320.6/9

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1930.426+/-0.515 χ^2/NDF:15802.8/7

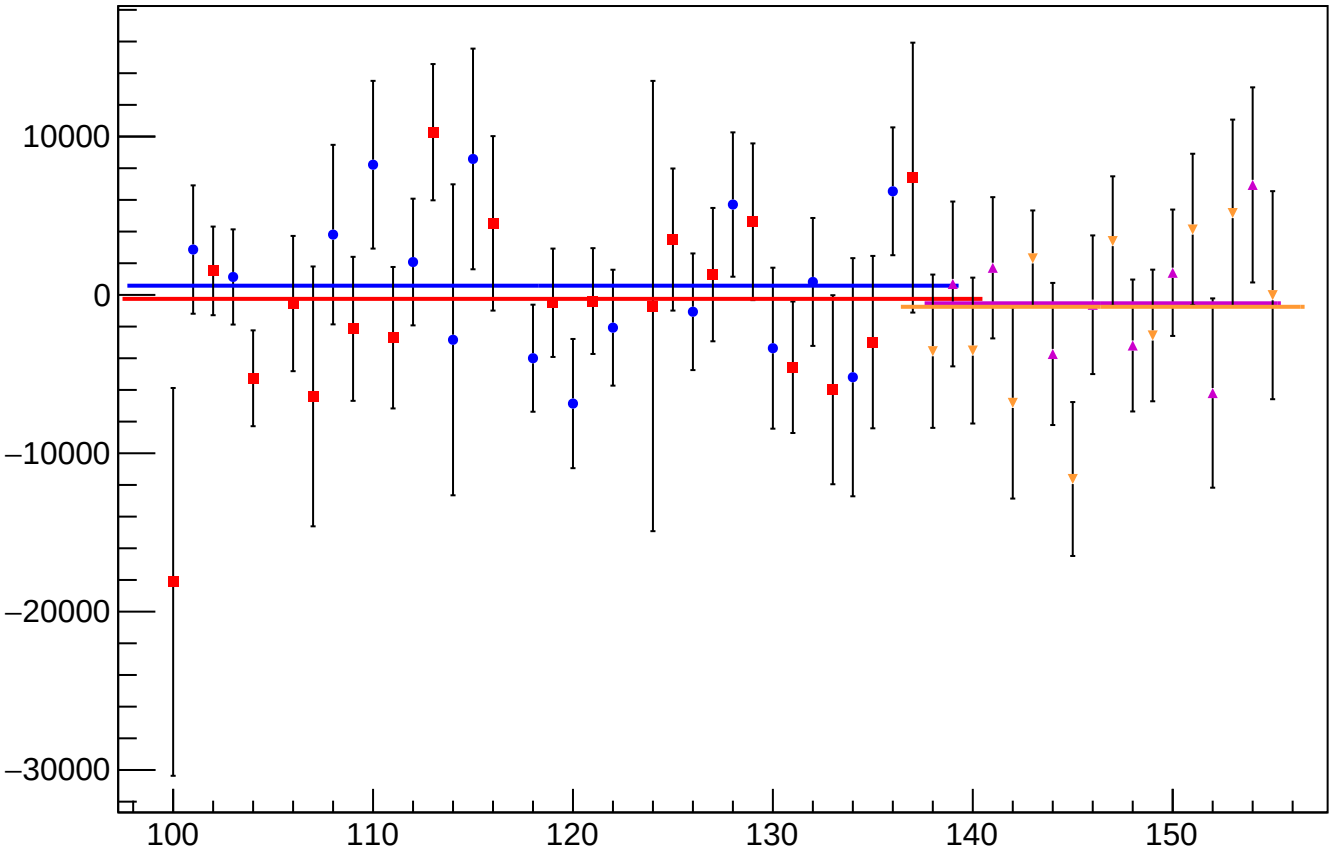
Left: 1871.596+/-0.345 χ^2/NDF: 285694.6/17

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1839.351+/-0.349 χ^2/NDF:741207.0/23

Out: 1783.628+/-0.327 χ^2/NDF:489120.2/28

All: 1809.668+/-0.239 χ^2/NDF: 1243885.4/52



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -750.622+/-1440.514 χ^2/NDF:11.0/9

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -529.467+/-1657.895 χ^2/NDF:3.8/7

Left: -655.484+/-1087.388 χ^2/NDF: 14.9/17

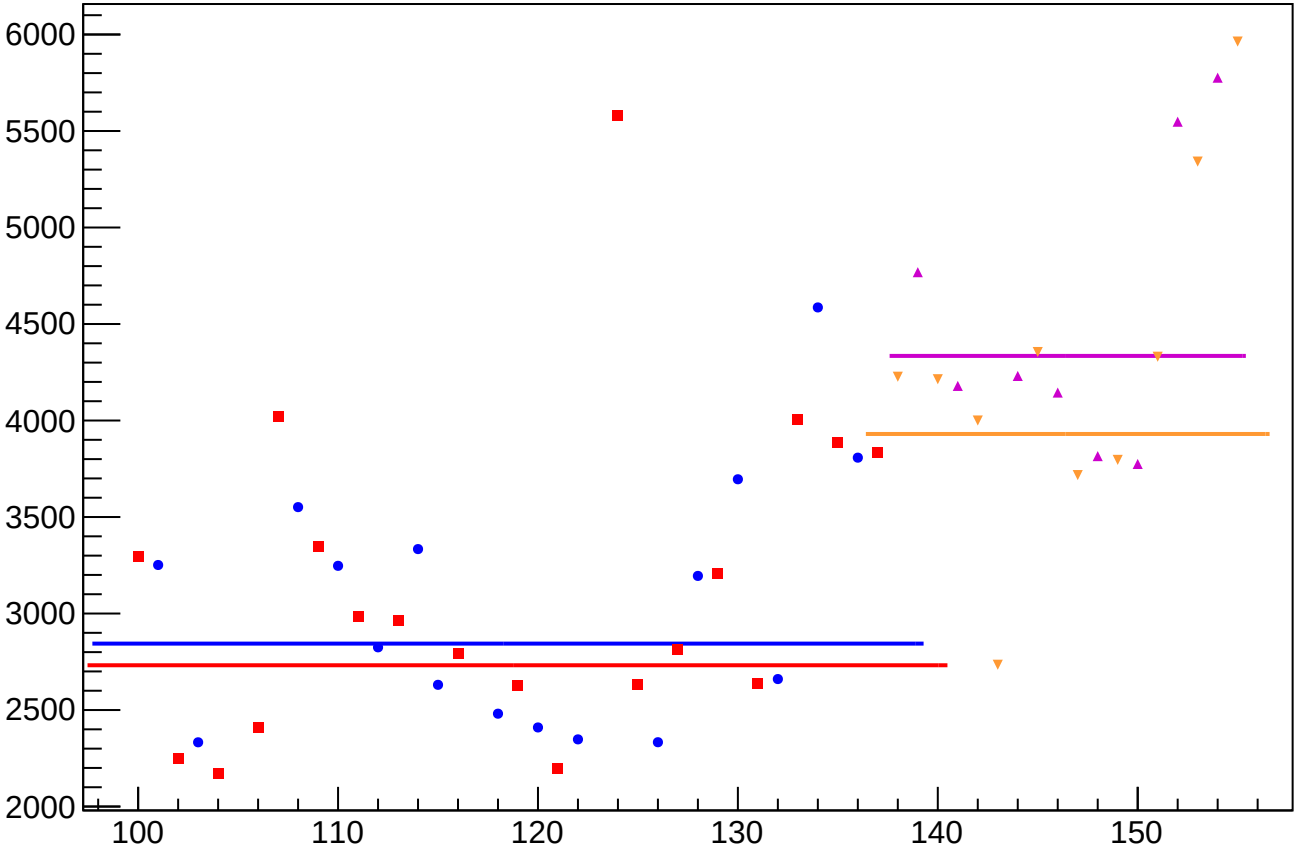
Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 250.380+/-905.799 χ^2/NDF:19.0/23

Out: -417.551+/-832.994 χ^2/NDF:29.0/28

All: -111.503+/-613.141 χ^2/NDF: 48.3/52

asym_atr1l2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3930.283+/-1.019 χ^2/NDF:670147.9/9

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4334.772+/-1.172 χ^2/NDF:283507.9/7

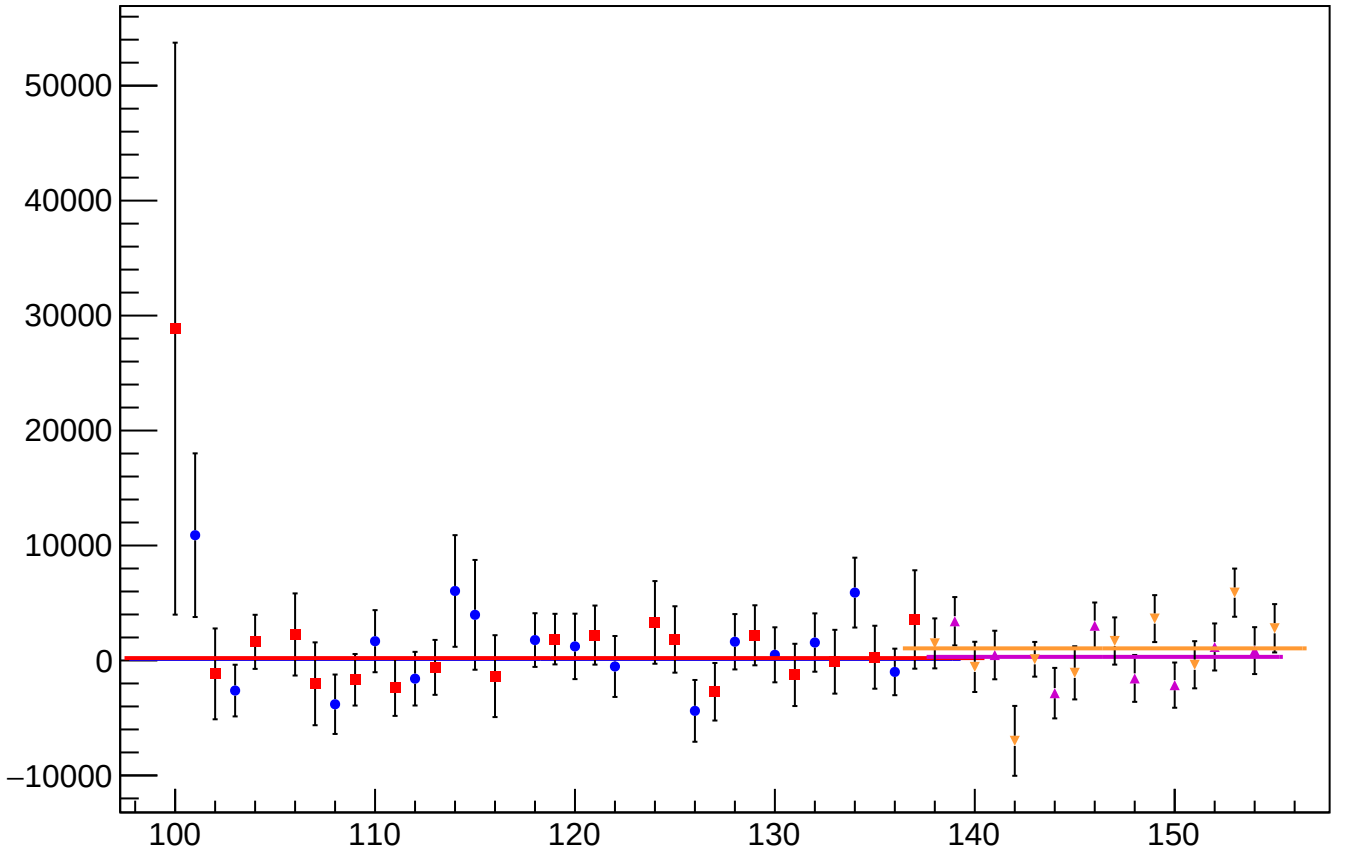
Left: 4104.288+/-0.769 χ^2/NDF: 1021492.2/17

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3289.108+/-0.640 χ^2/NDF:1959702.2/23

Out: 3132.675+/-0.589 χ^2/NDF:2202619.5/28

All: 3204.353+/-0.434 χ^2/NDF: 4194640.7/52



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1053.181+/-656.016 χ^2/NDF:17.1/9

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: 313.064+/-729.014 χ^2/NDF:8.7/7

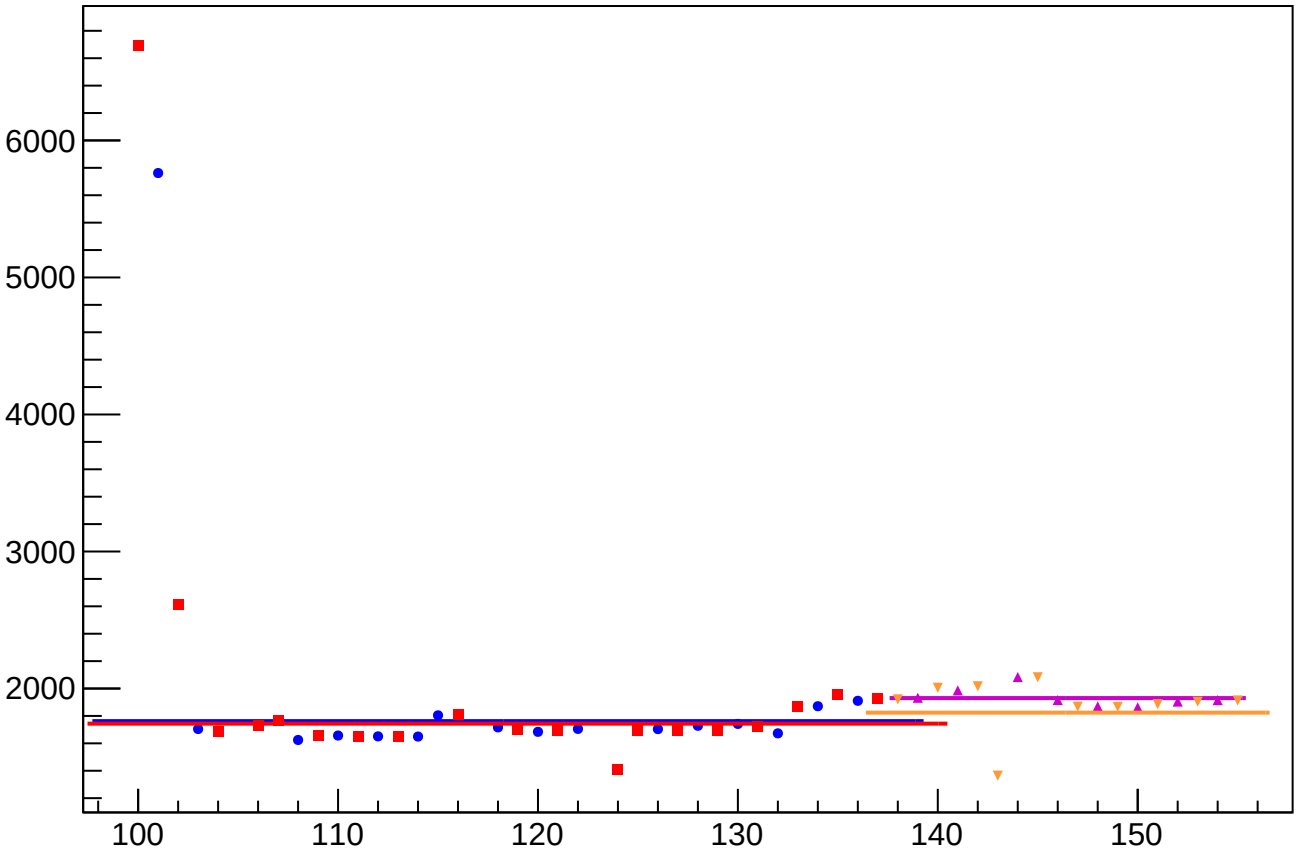
Left: 722.022+/-487.645 χ^2/NDF: 26.3/17

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 216.118+/-493.953 χ^2/NDF:26.0/23

Out: 628.285+/-463.317 χ^2/NDF:27.6/28

All: 435.379+/-337.926 χ^2/NDF: 54.0/52



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1823.958+/-0.464 χ^2/NDF:246321.6/9

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1930.427+/-0.515 χ^2/NDF:15803.0/7

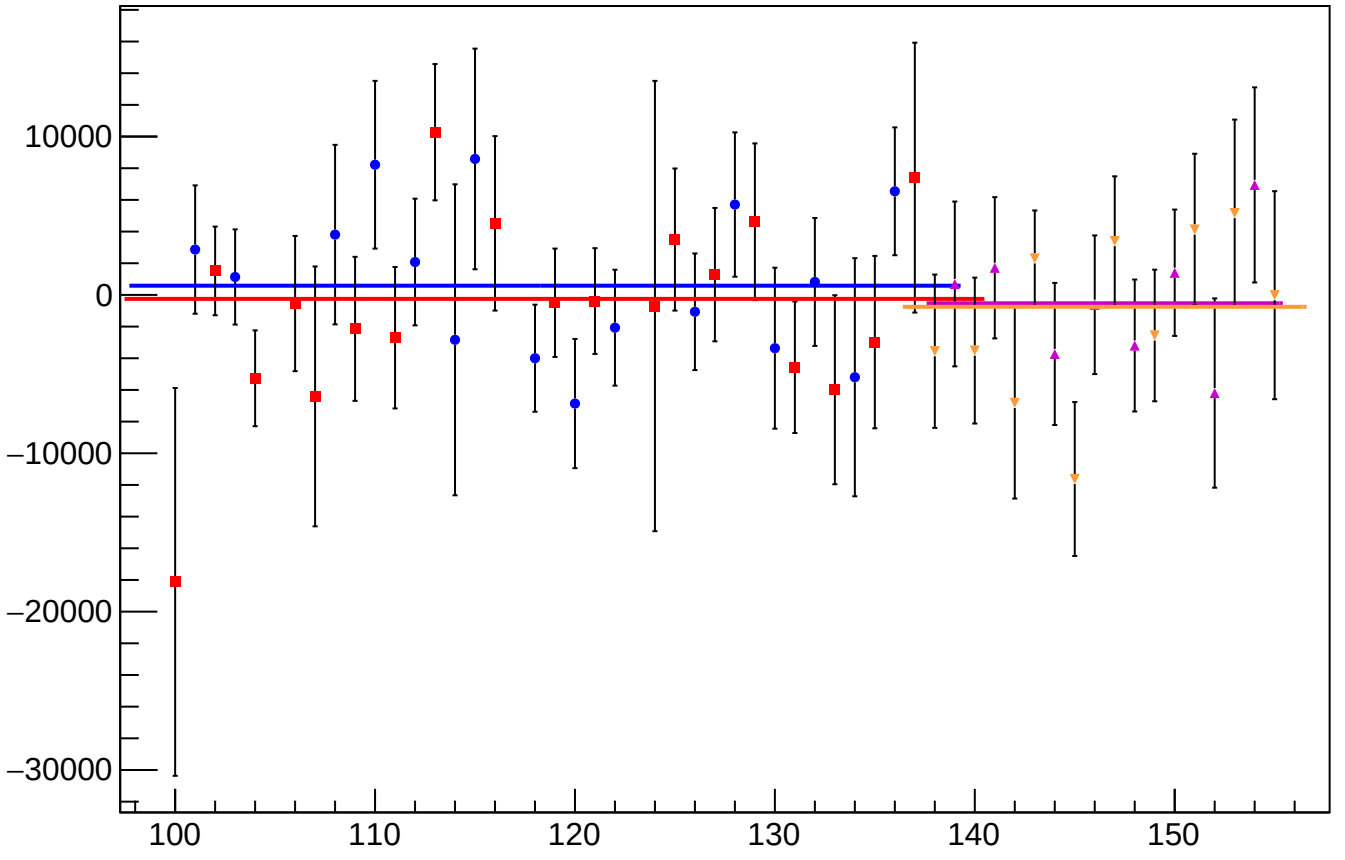
Left: 1871.597+/-0.345 χ^2/NDF: 285695.9/17

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1839.352+/-0.349 χ^2/NDF:741207.7/23

Out: 1783.629+/-0.327 χ^2/NDF:489121.5/28

All: 1809.668+/-0.239 χ^2/NDF: 1243887.5/52



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -750.620+/-1440.516 χ^2/NDF:11.0/9

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -529.468+/-1657.897 χ^2/NDF:3.8/7

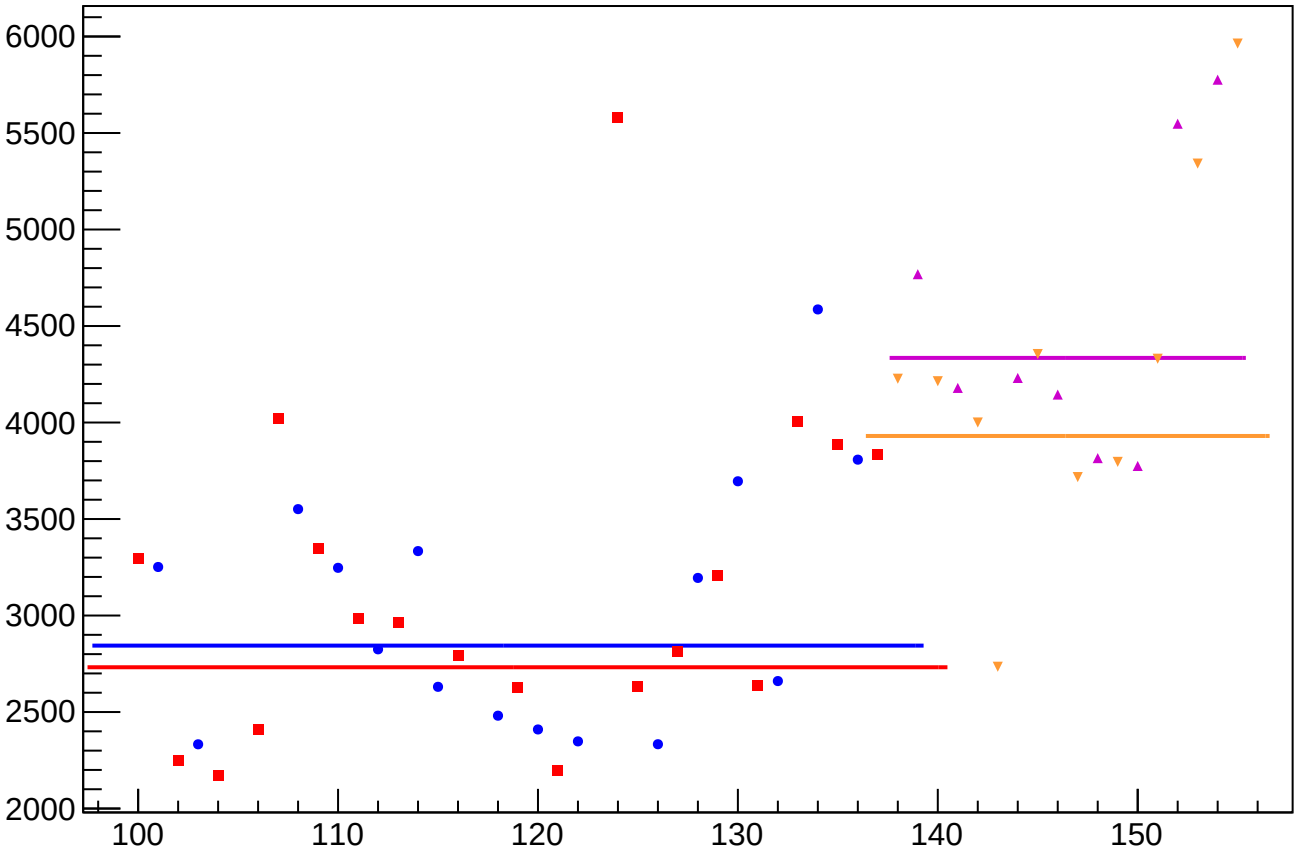
Left: -655.483+/-1087.389 χ^2/NDF: 14.9/17

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 250.378+/-905.797 χ^2/NDF:19.0/23

Out: -417.550+/-832.993 χ^2/NDF:29.0/28

All: -111.503+/-613.140 χ^2/NDF: 48.3/52



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3930.287+/-1.019 χ^2/NDF:670152.4/9

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4334.777+/-1.172 χ^2/NDF:283510.2/7

Left: 4104.293+/-0.769 χ^2/NDF: 1021499.3/17

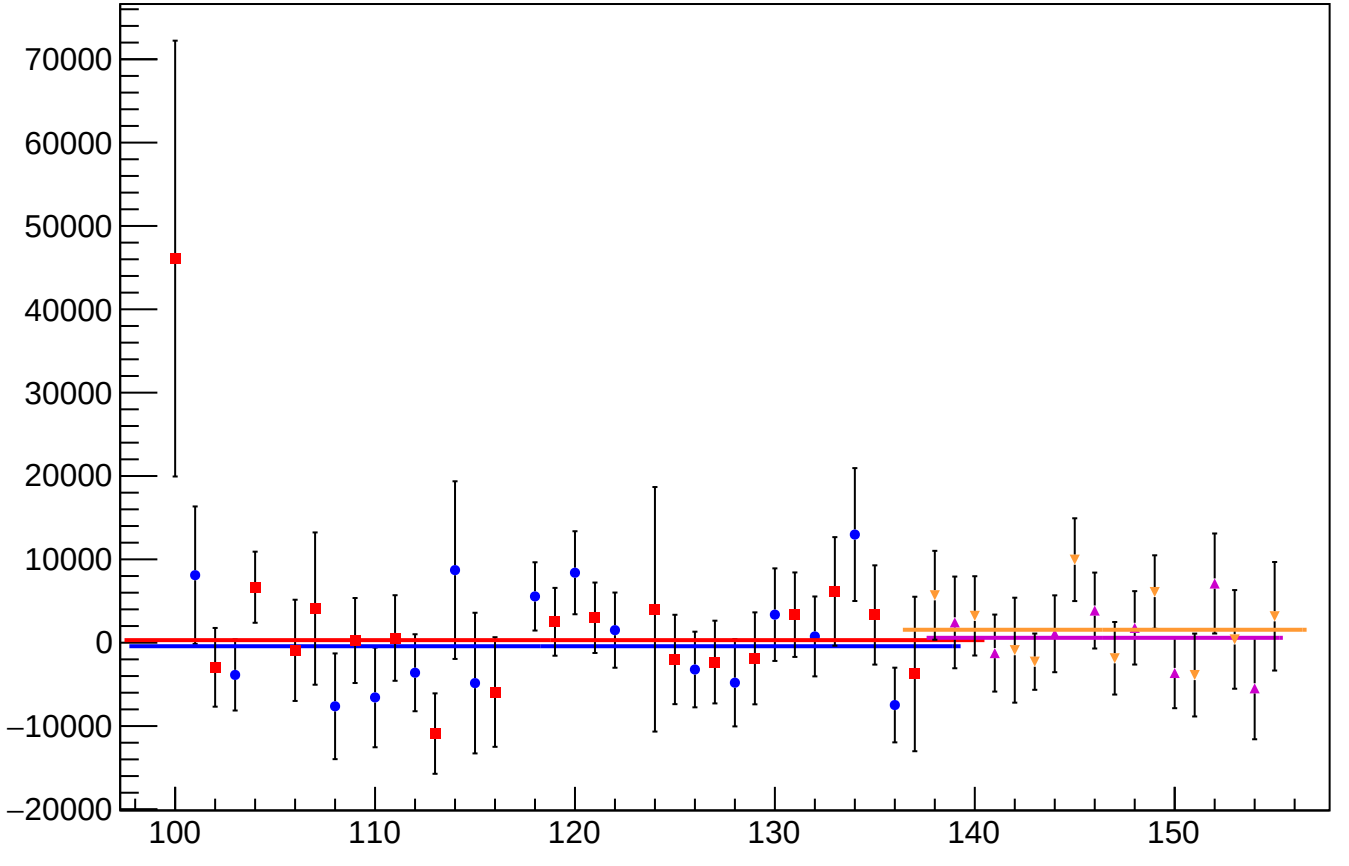
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3289.101+/-0.640 χ^2/NDF:1959727.7/23

Out: 3132.671+/-0.589 χ^2/NDF:2202635.9/28

All: 3204.348+/-0.434 χ^2/NDF: 4194681.8/52

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 1552.297+/-1525.463 χ^2/NDF:8.0/9

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 586.236+/-1722.135 χ^2/NDF:4.0/7

Left: 1127.557+/-1141.896 χ^2/NDF: 12.2/17

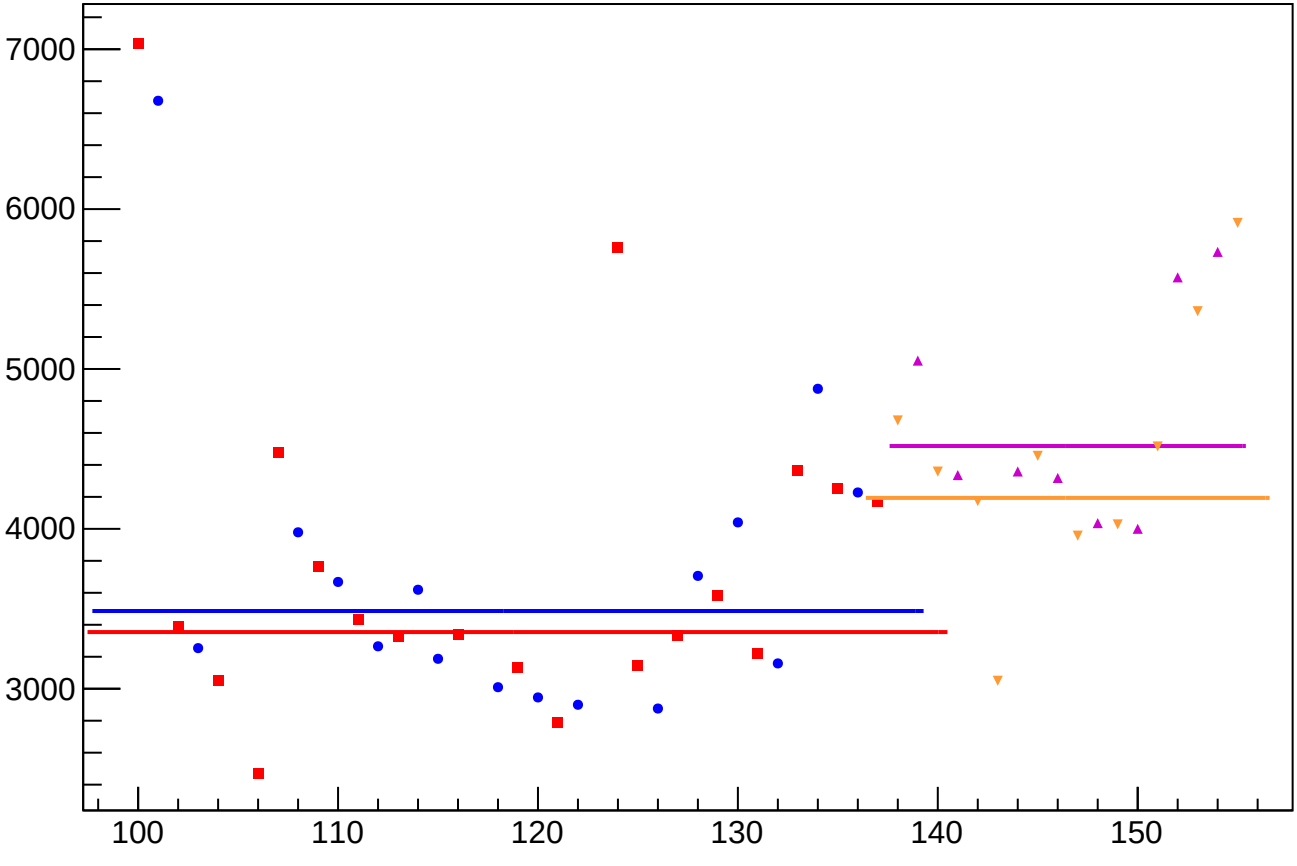
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -46.999+/-1051.267 χ^2/NDF:22.1/23

Out: 819.981+/-978.613 χ^2/NDF:23.7/28

All: 417.483+/-716.293 χ^2/NDF: 46.2/52

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4193.687+/-1.079 χ^2/NDF:488697.1/9

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4518.200+/-1.218 χ^2/NDF:222923.9/7

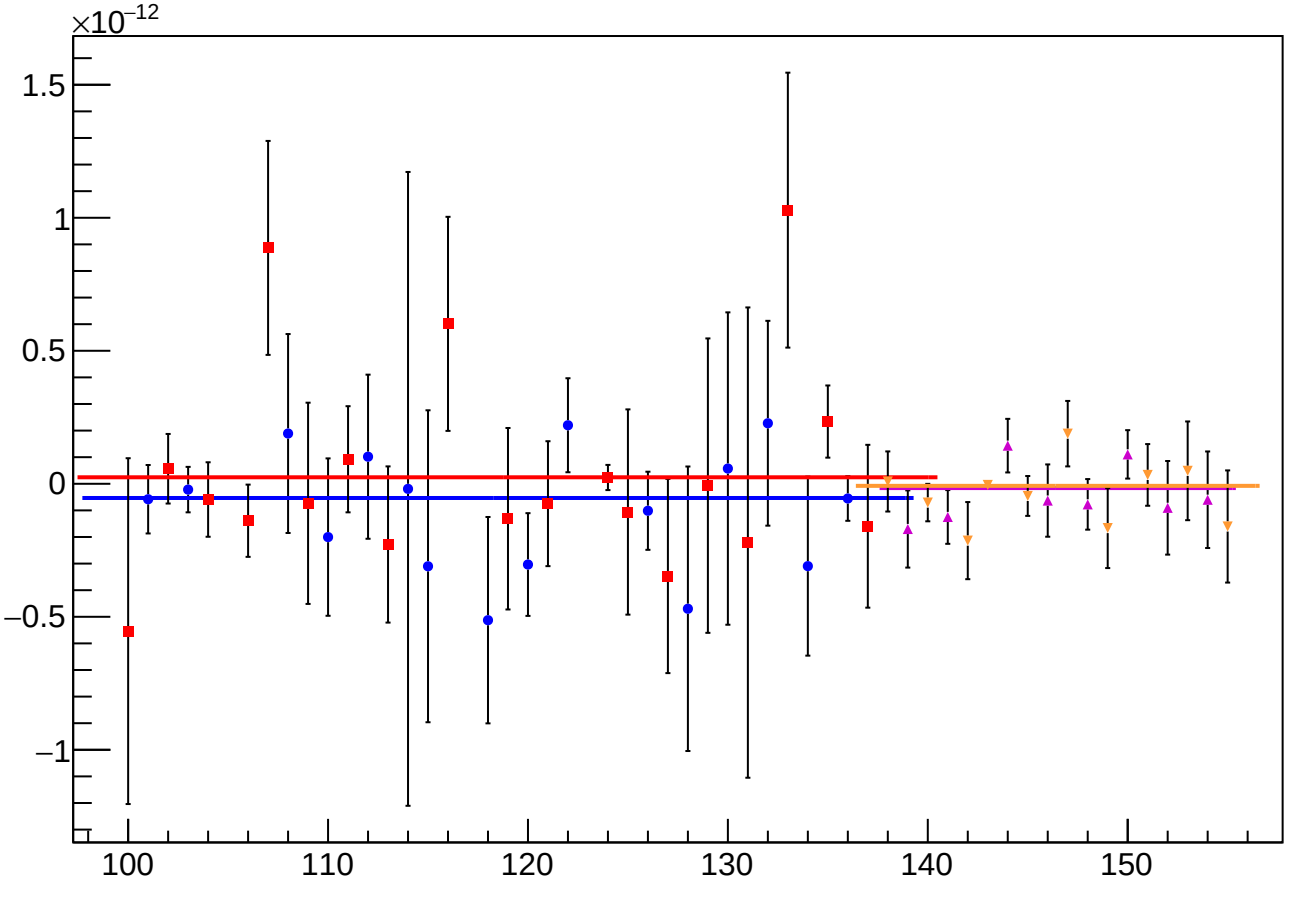
Left: 4336.363+/-0.807 χ^2/NDF: 751414.3/17

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3870.745+/-0.743 χ^2/NDF:1269322.5/23

Out: 3694.129+/-0.686 χ^2/NDF:1225461.4/28

All: 3775.394+/-0.504 χ^2/NDF: 2525260.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/7

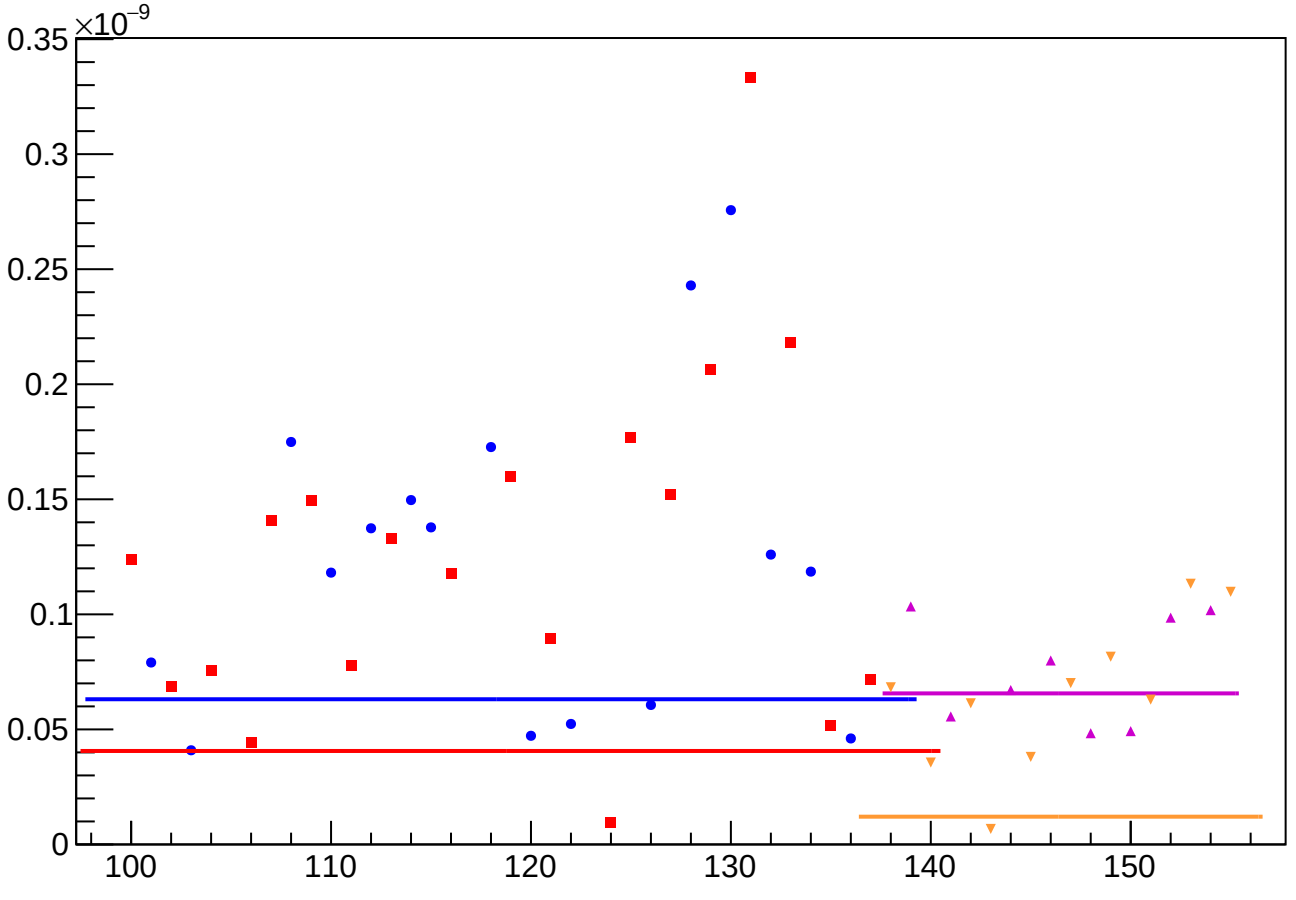
Left: -0.000+/-0.000 χ^2/NDF: 15.1/17

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:16.5/23

Out: -0.000+/-0.000 χ^2/NDF:26.7/28

All: -0.000+/-0.000 χ^2/NDF: 43.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3813118.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:458467.1/7

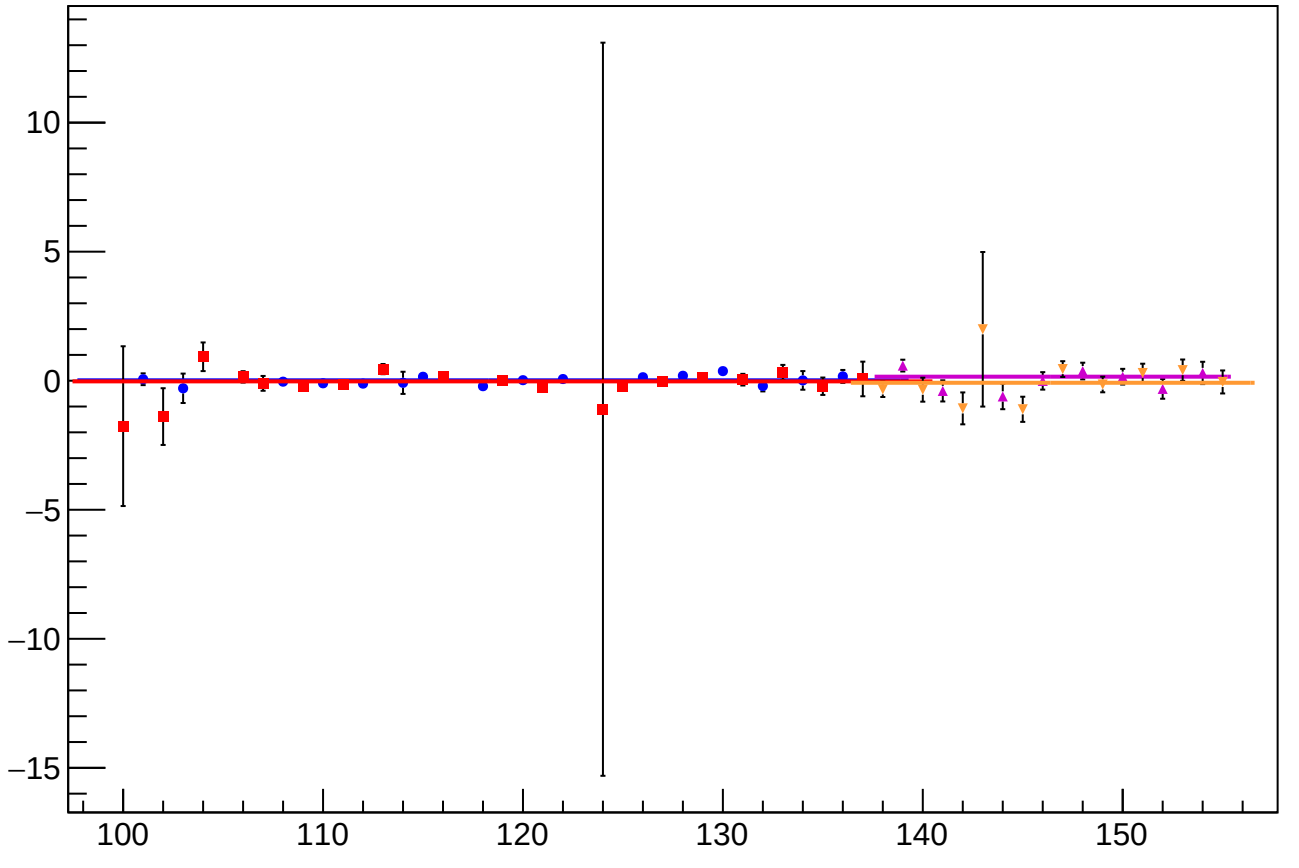
Left: 0.000+/-0.000 χ^2/NDF: 7396884.8/17

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:1894020.8/23

Out: 0.000+/-0.000 χ^2/NDF:8129792.6/28

All: 0.000+/-0.000 χ^2/NDF: 14706586.8/52



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.080+/-0.126 χ^2/NDF:14.1/9

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.156+/-0.119 χ^2/NDF:10.0/7

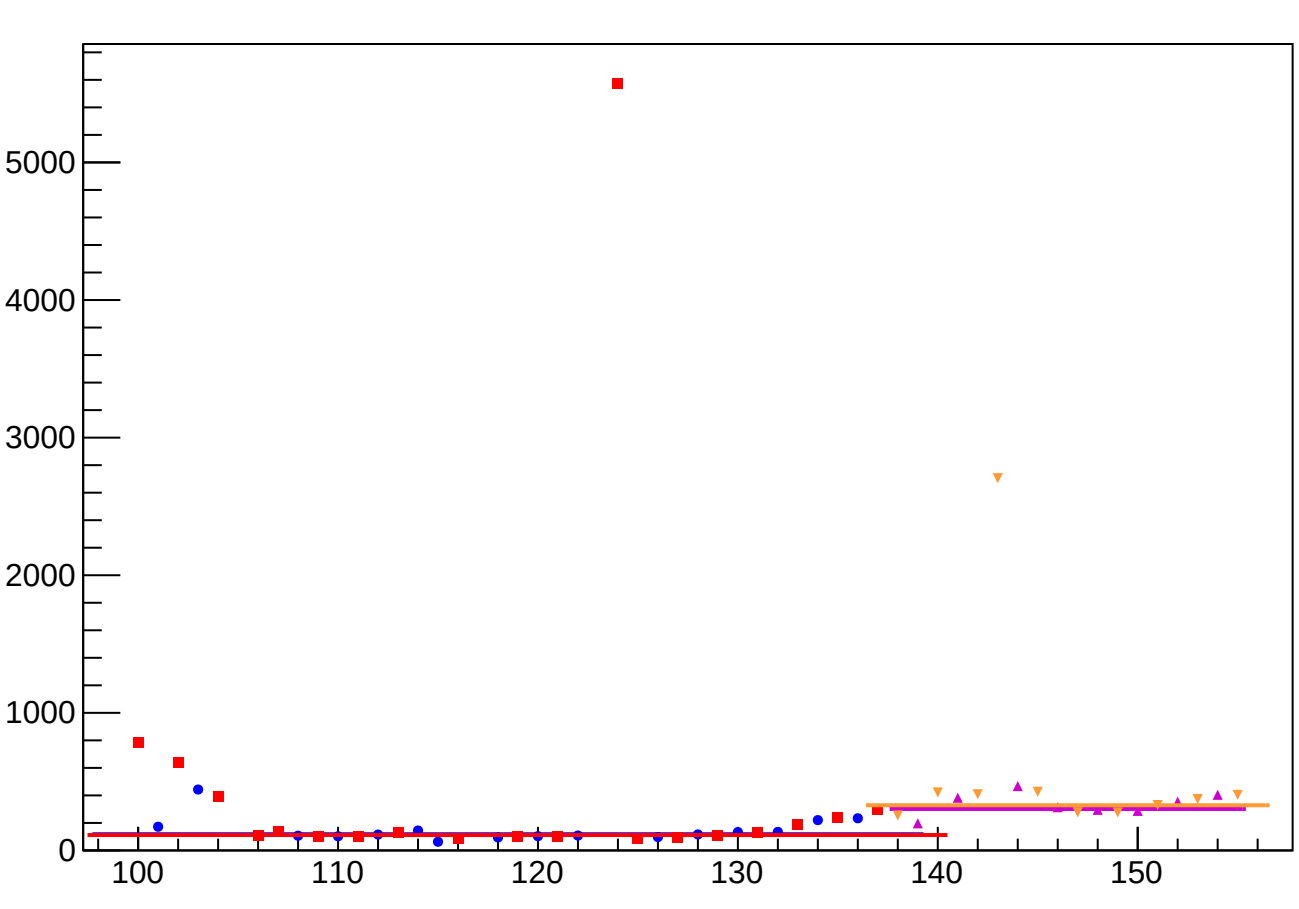
Left: 0.045+/-0.087 χ^2/NDF: 26.0/17

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.035+/-0.044 χ^2/NDF:23.0/23

Out: -0.032+/-0.044 χ^2/NDF:36.4/28

All: 0.001+/-0.031 χ^2/NDF: 60.6/52



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 328.474+/-0.089 χ^2/NDF:1778539.0/9

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 301.407+/-0.084 χ^2/NDF:879643.6/7

Left: 314.220+/-0.061 χ^2/NDF: 2706999.6/17

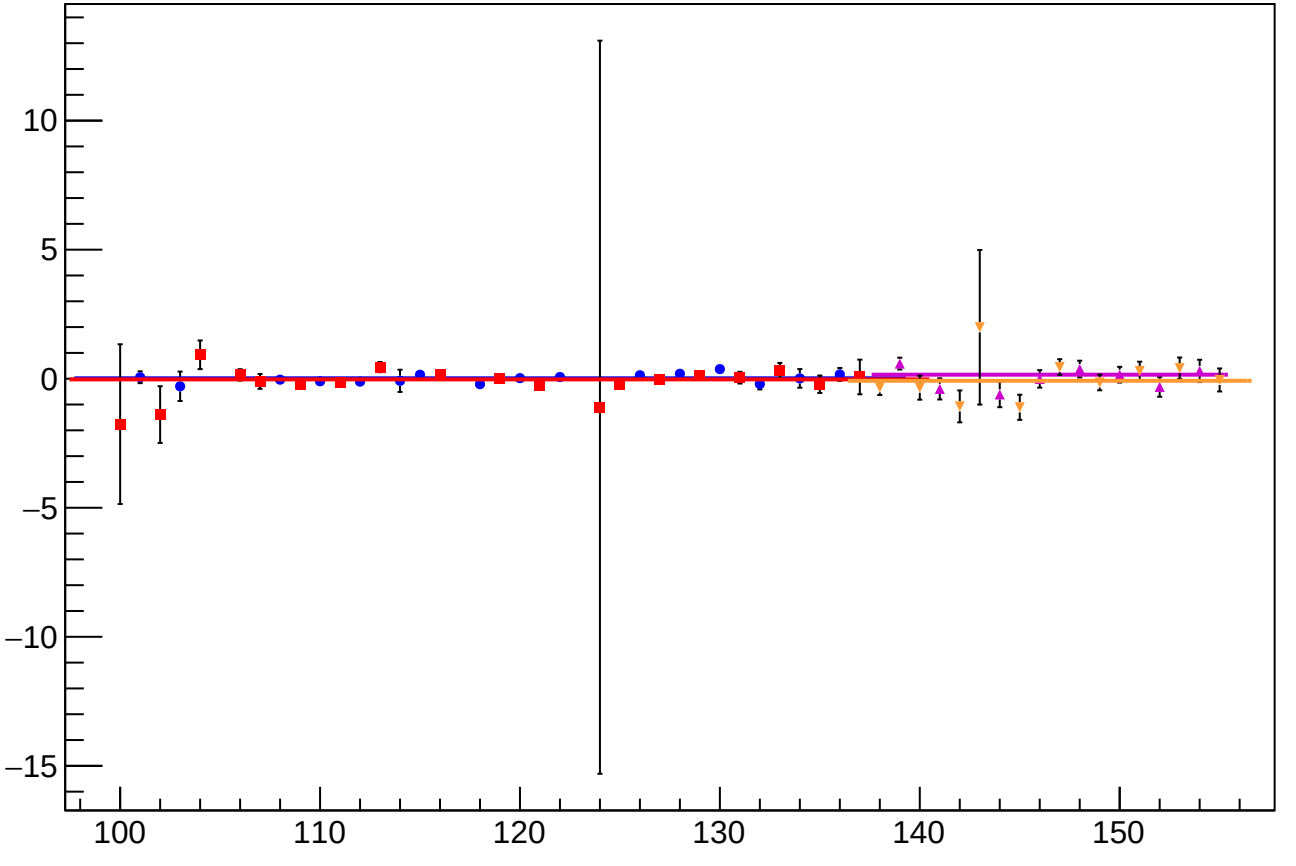
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 143.190+/-0.031 χ^2/NDF:6694312.7/23

Out: 138.496+/-0.031 χ^2/NDF:9165493.0/28

All: 140.814+/-0.022 χ^2/NDF: 15871101.3/52

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.080+/-0.126 χ^2/NDF:14.1/9

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.156+/-0.119 χ^2/NDF:10.0/7

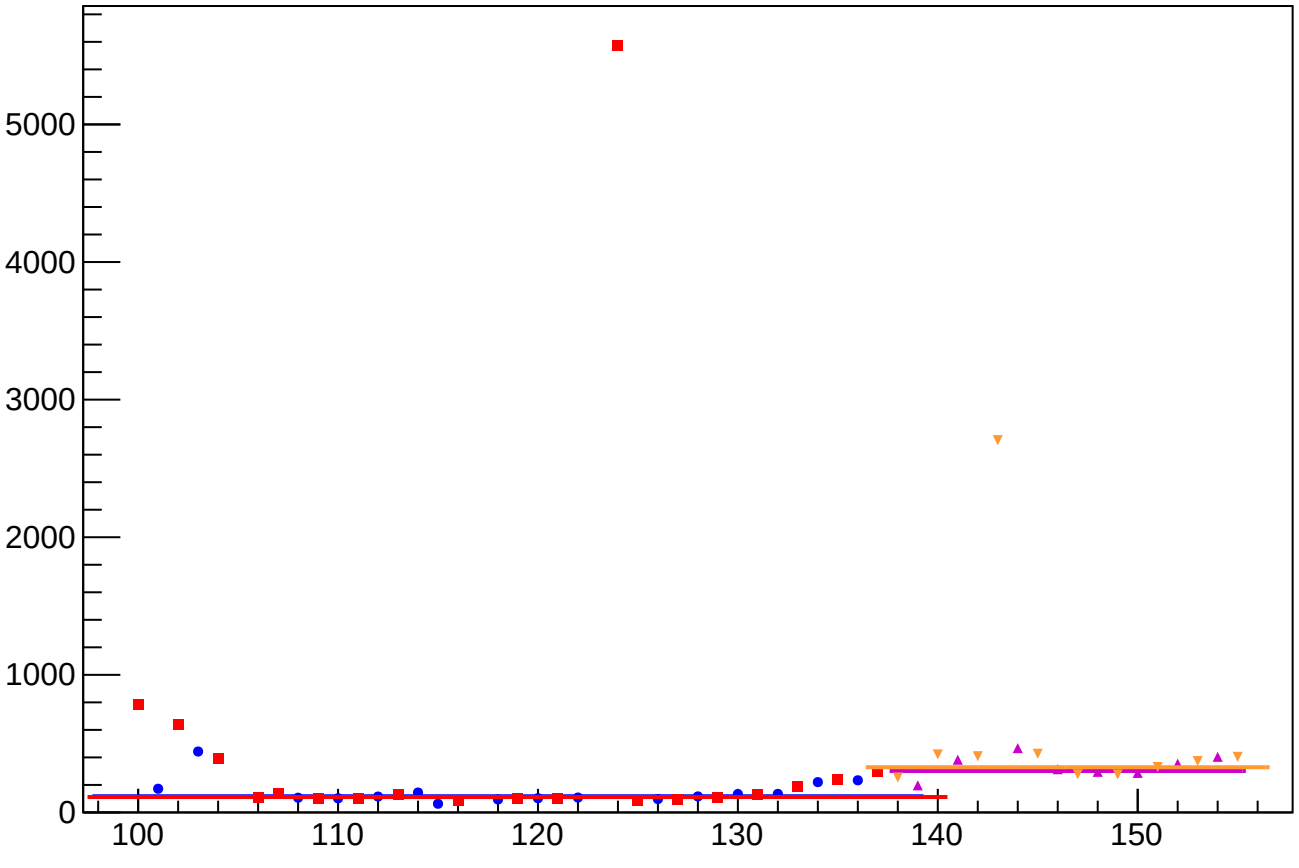
Left: 0.045+/-0.087 χ^2/NDF: 26.0/17

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.035+/-0.044 χ^2/NDF:23.0/23

Out: -0.032+/-0.044 χ^2/NDF:36.4/28

All: 0.001+/-0.031 χ^2/NDF: 60.6/52



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 328.474+/-0.089 χ^2/NDF:1778539.0/9

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 301.407+/-0.084 χ^2/NDF:879643.6/7

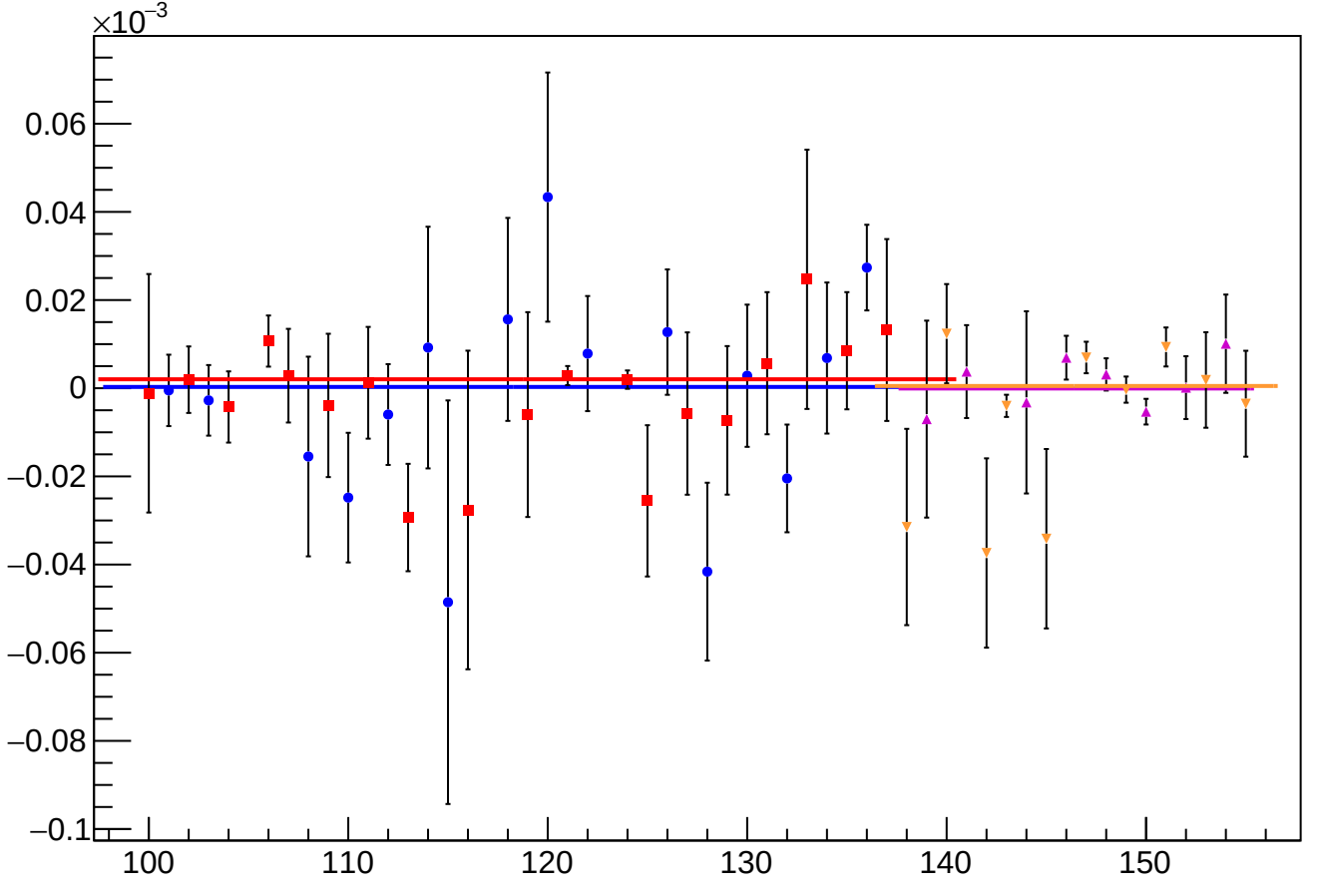
Left: 314.220+/-0.061 χ^2/NDF: 2706999.6/17

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 143.190+/-0.031 χ^2/NDF:6694312.7/23

Out: 138.496+/-0.031 χ^2/NDF:9165493.0/28

All: 140.814+/-0.022 χ^2/NDF: 15871101.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.1/7

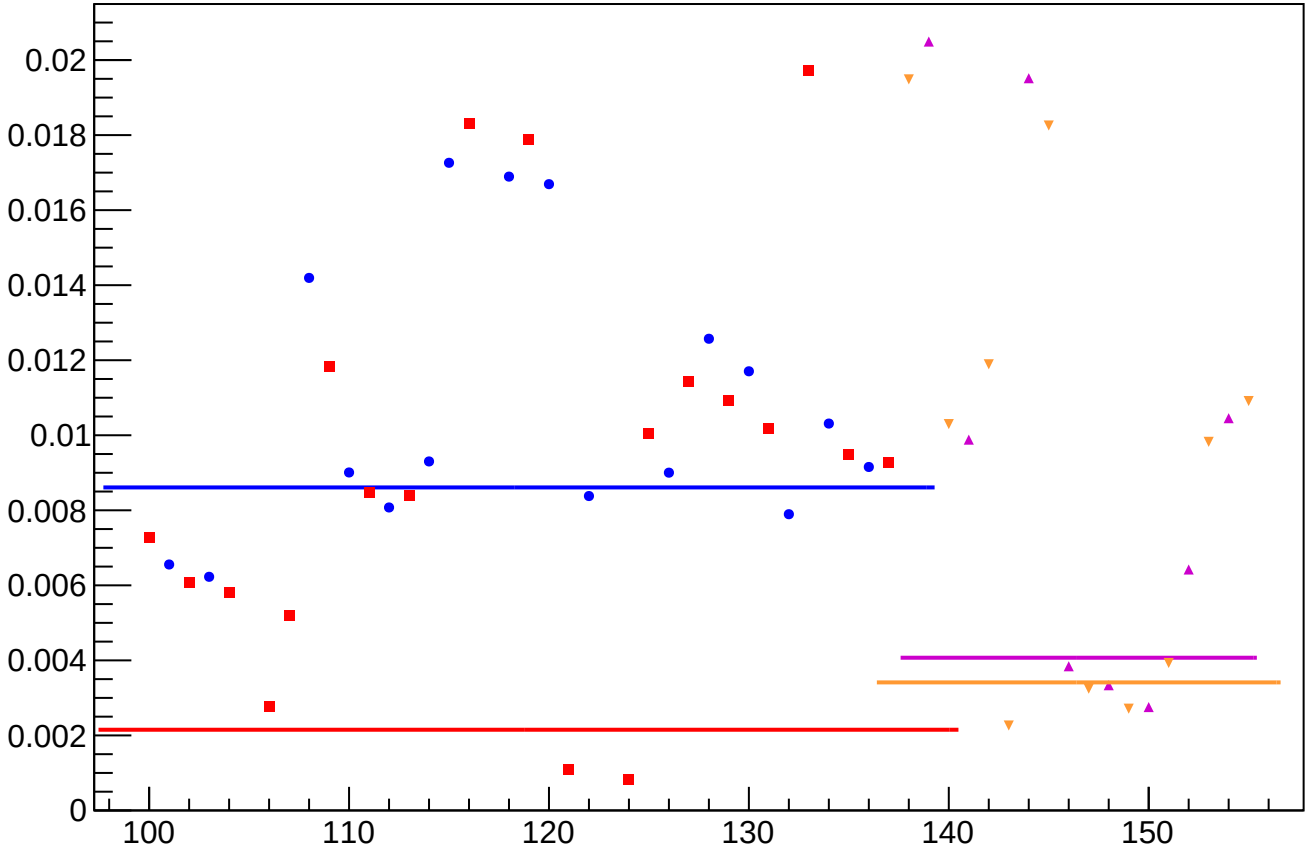
Left: 0.000+/-0.000 χ^2/NDF: 27.0/17

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: 0.000+/-0.000 χ^2/NDF:31.2/23

Out: 0.000+/-0.000 χ^2/NDF:35.2/28

All: 0.000+/-0.000 χ^2/NDF: 66.9/52



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.003+/-0.000 χ^2/NDF:5204888.0/9

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.004+/-0.000 χ^2/NDF:4173980.8/7

Left: 0.004+/-0.000 χ^2/NDF: 9523819.9/17

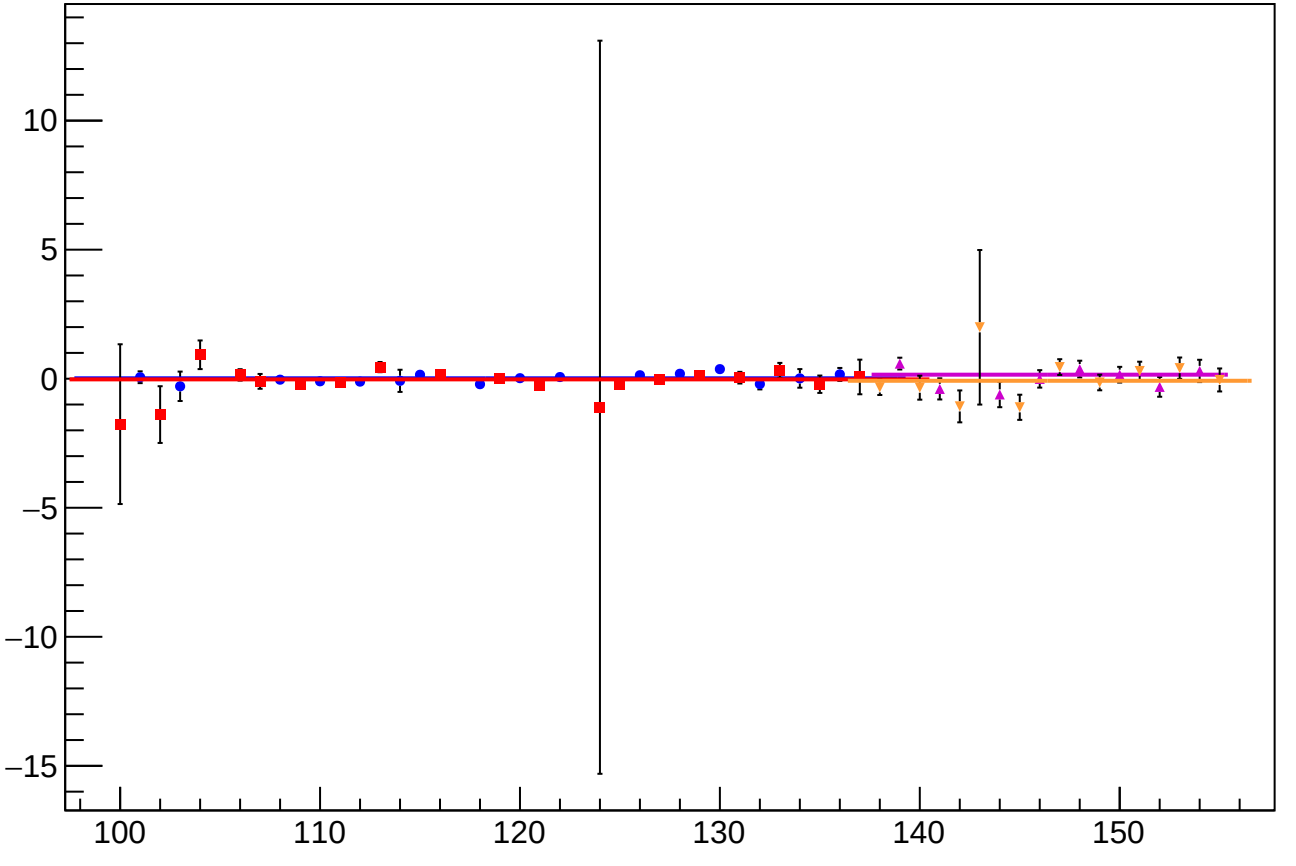
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:8029624.7/23

Out: 0.003+/-0.000 χ^2/NDF:15066579.4/28

All: 0.003+/-0.000 χ^2/NDF: 26334378.3/52

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.080+/-0.126 χ^2/NDF:14.1/9

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.156+/-0.119 χ^2/NDF:10.0/7

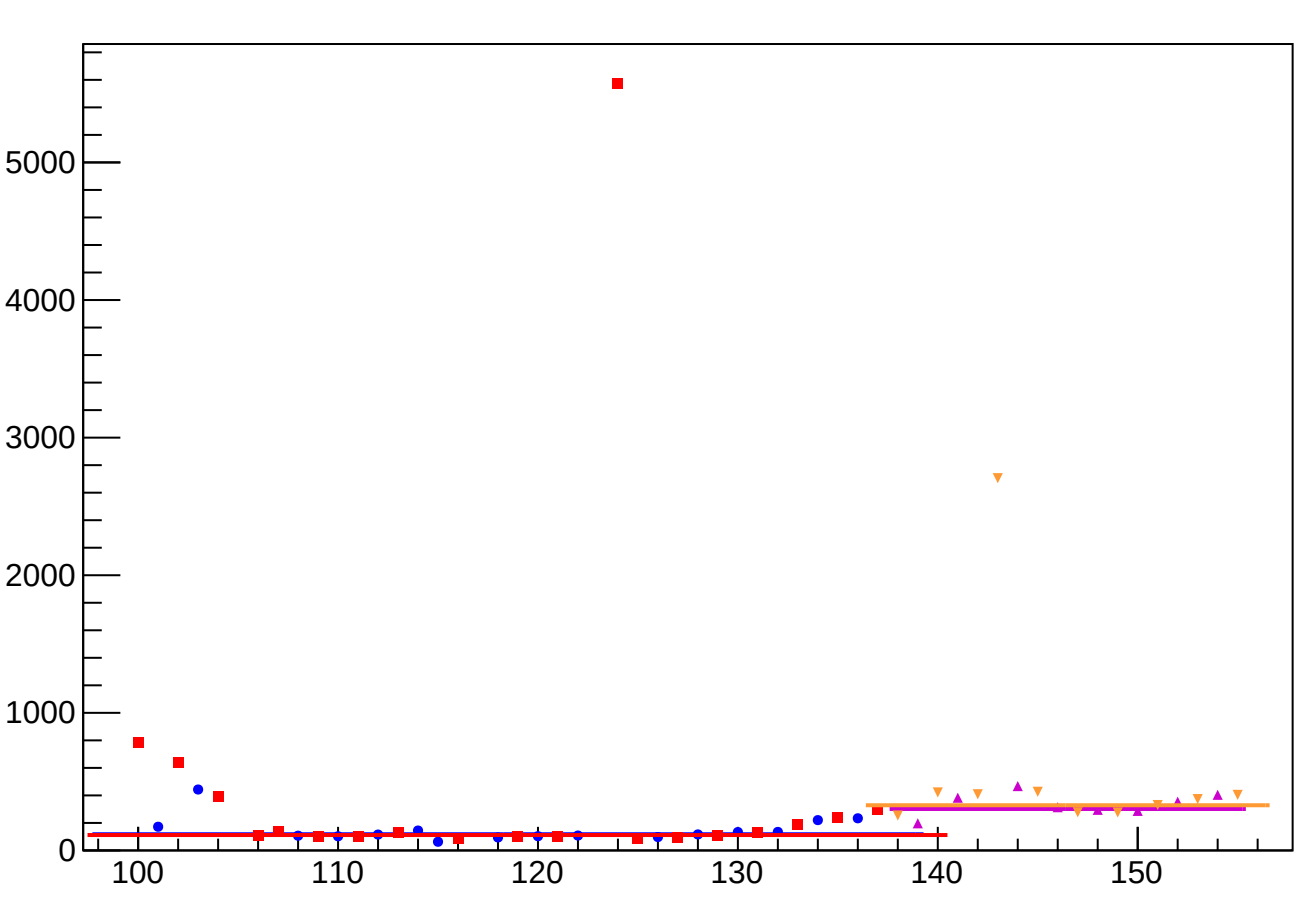
Left: 0.045+/-0.087 χ^2/NDF: 26.0/17

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.035+/-0.044 χ^2/NDF:23.0/23

Out: -0.032+/-0.044 χ^2/NDF:36.4/28

All: 0.001+/-0.031 χ^2/NDF: 60.6/52



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 328.477+/-0.089 χ^2/NDF:1778572.3/9

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 301.410+/-0.084 χ^2/NDF:879635.1/7

Left: 314.223+/-0.061 χ^2/NDF: 2707020.5/17

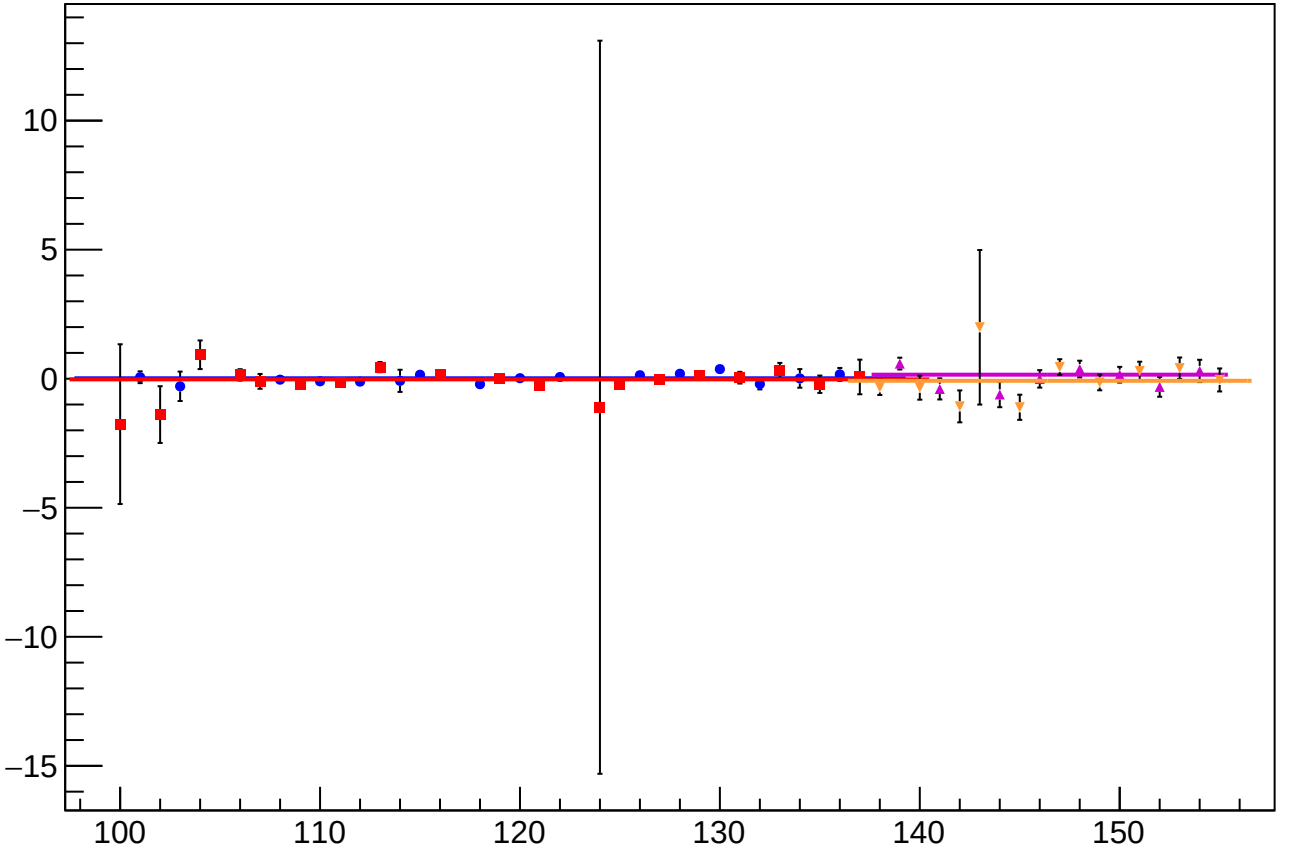
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 143.190+/-0.031 χ^2/NDF:6694347.3/23

Out: 138.498+/-0.031 χ^2/NDF:9165414.4/28

All: 140.815+/-0.022 χ^2/NDF: 15871048.2/52

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: -0.080+/-0.126 χ^2/NDF:14.1/9

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.156+/-0.119 χ^2/NDF:10.0/7

Left: 0.045+/-0.087 χ^2/NDF: 26.0/17

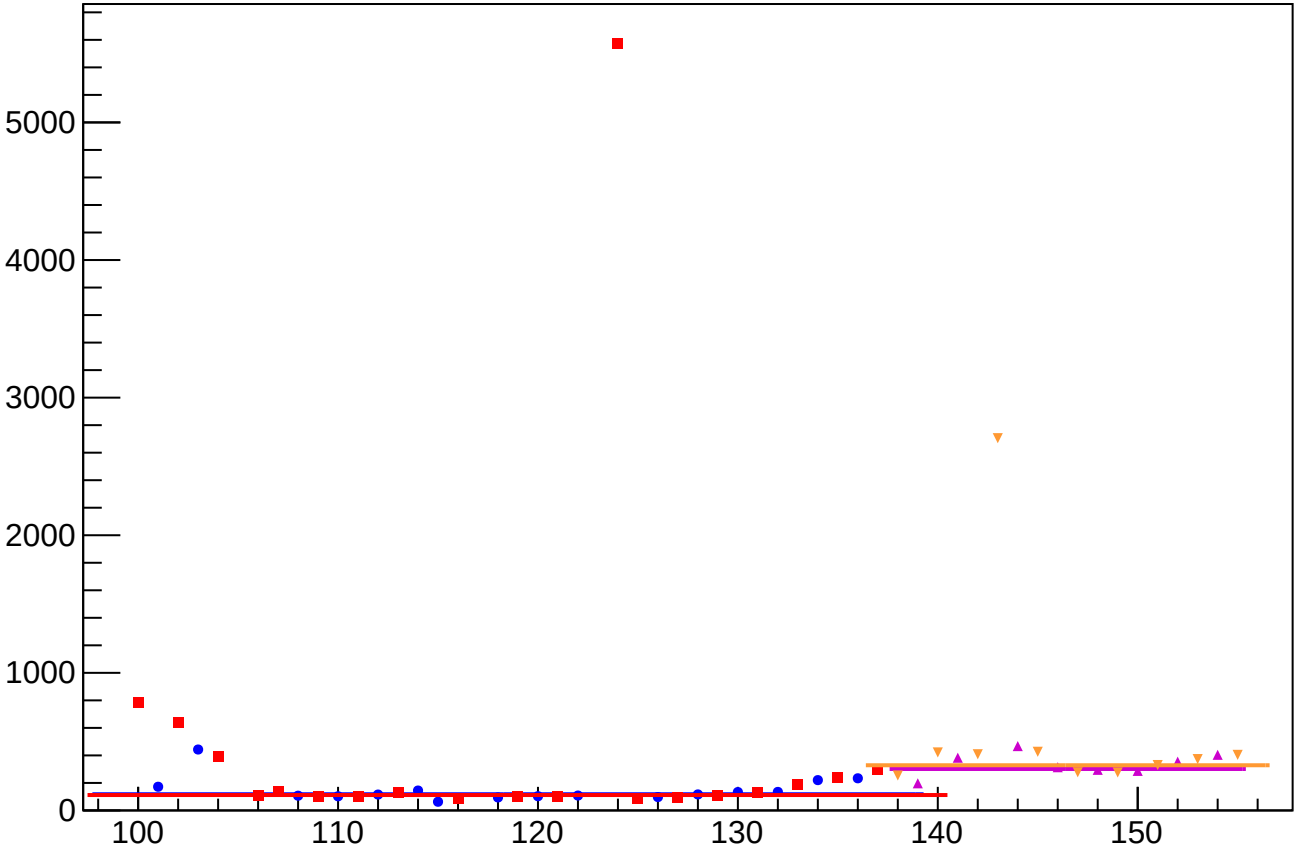
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.035+/-0.044 χ^2/NDF:23.0/23

Out: -0.032+/-0.044 χ^2/NDF:36.4/28

All: 0.001+/-0.031 χ^2/NDF: 60.6/52

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: 328.477+/-0.089 χ^2/NDF:1778572.3/9

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 301.410+/-0.084 χ^2/NDF:879635.1/7

Left: 314.223+/-0.061 χ^2/NDF: 2707020.5/17

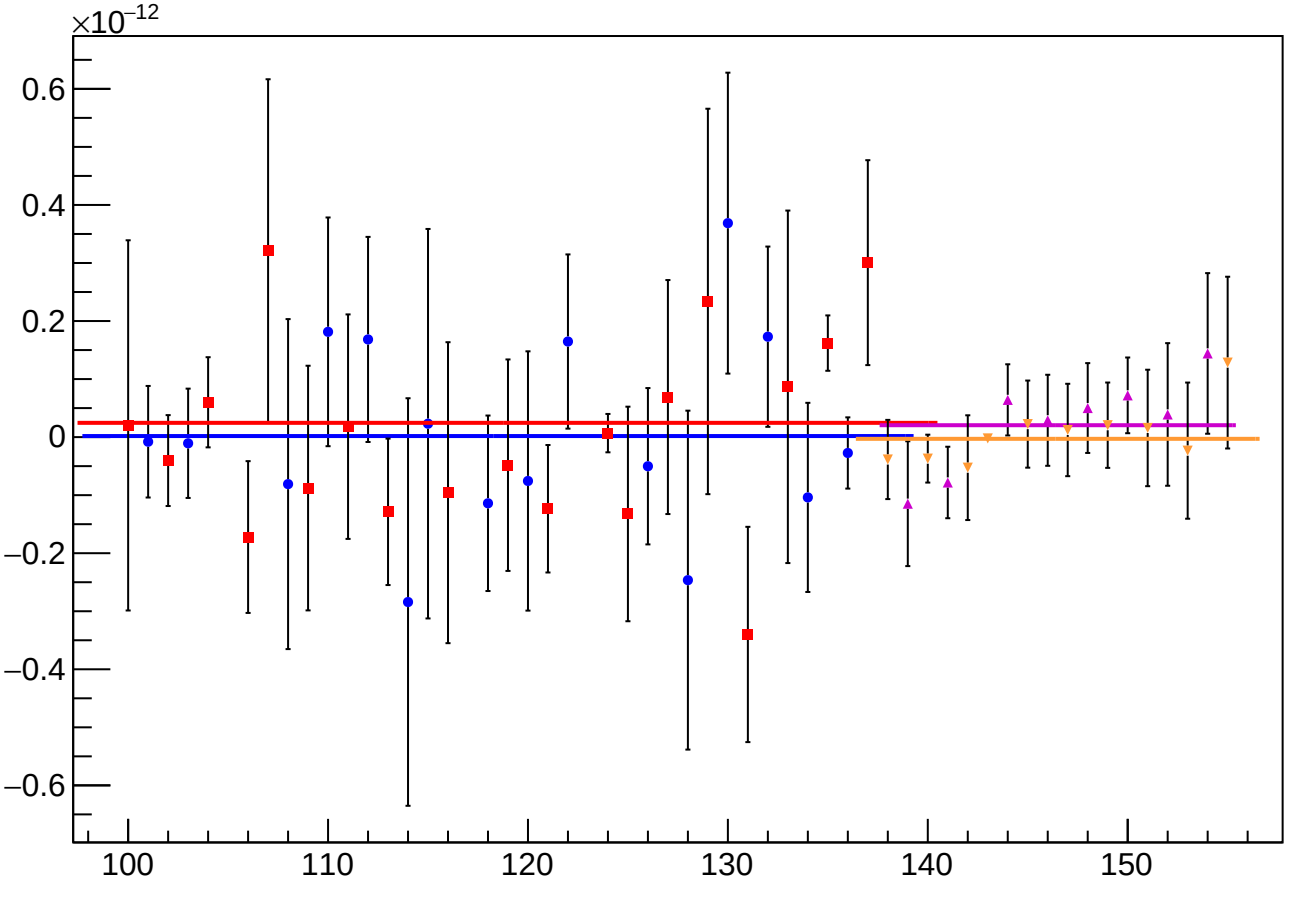
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 143.190+/-0.031 χ^2/NDF:6694347.3/23

Out: 138.498+/-0.031 χ^2/NDF:9165414.4/28

All: 140.815+/-0.022 χ^2/NDF: 15871048.2/52

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/7

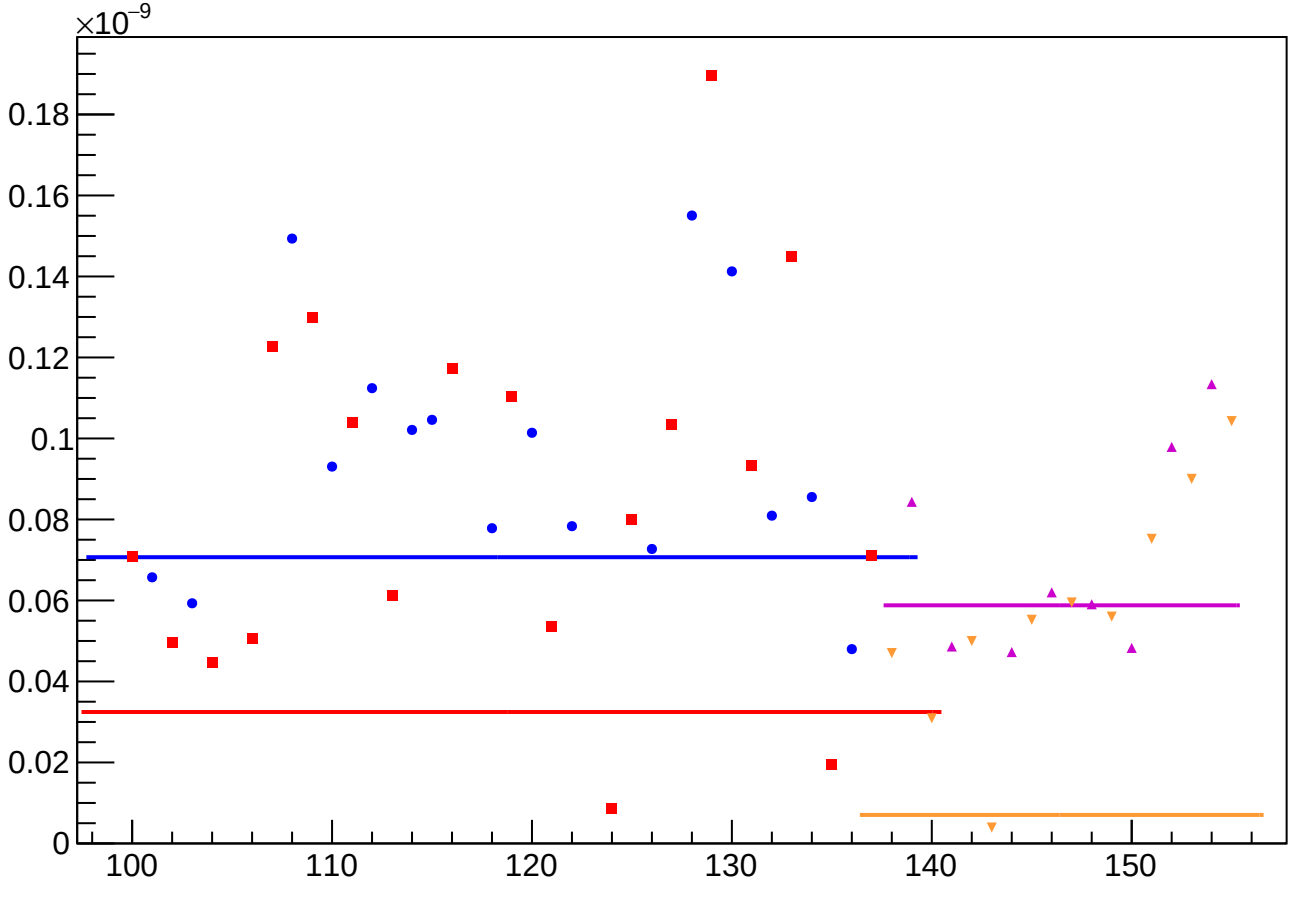
Left: -0.000+/-0.000 χ^2/NDF: 9.3/17

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:15.6/23

Out: -0.000+/-0.000 χ^2/NDF:28.1/28

All: 0.000+/-0.000 χ^2/NDF: 44.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7619060.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:808003.7/7

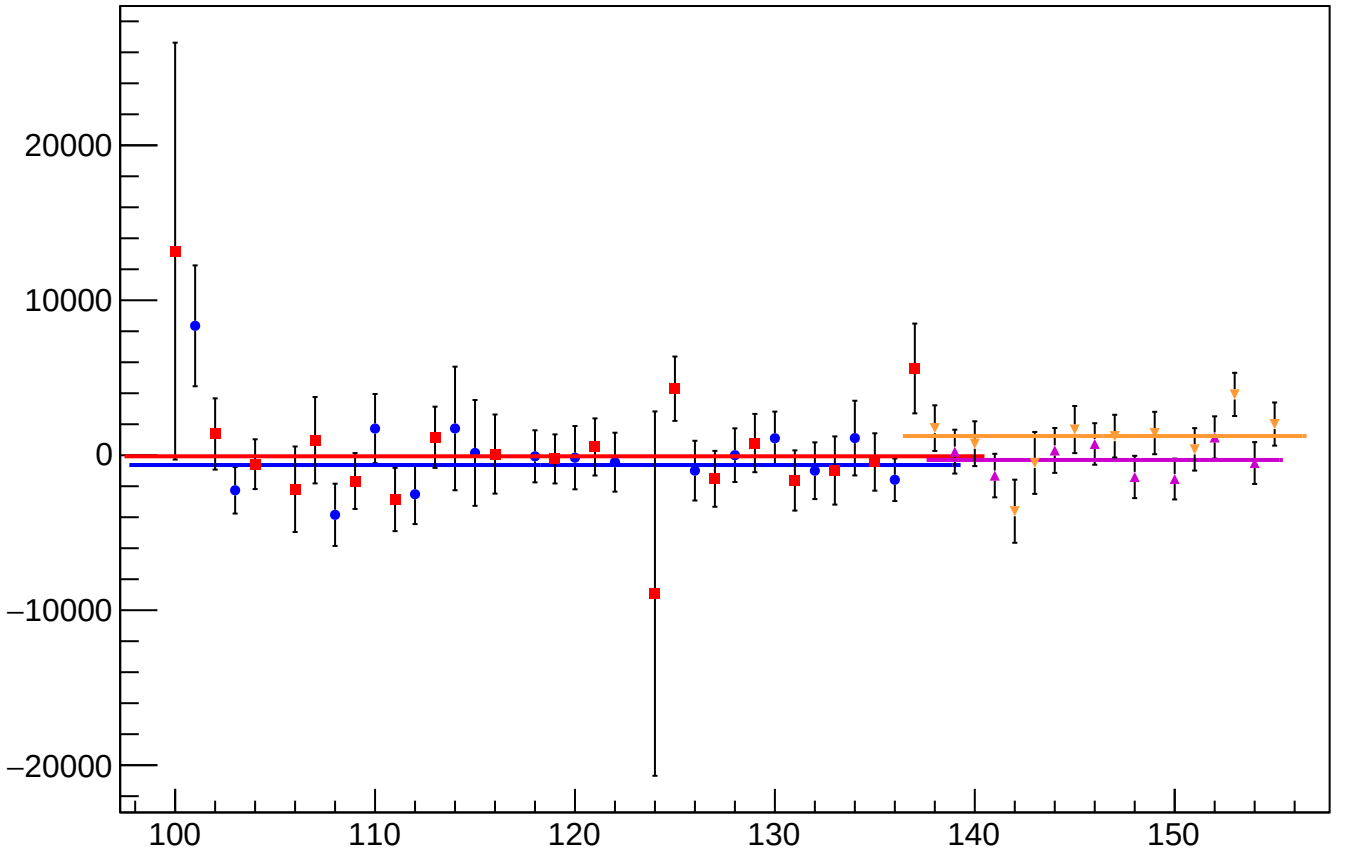
Left: 0.000+/-0.000 χ^2/NDF: 15036394.6/17

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:1976039.9/23

Out: 0.000+/-0.000 χ^2/NDF:14608701.8/28

All: 0.000+/-0.000 χ^2/NDF: 28314167.7/52



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.494+/-472.044 χ^2/NDF:11.2/9

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -304.408+/-485.703 χ^2/NDF:4.1/7

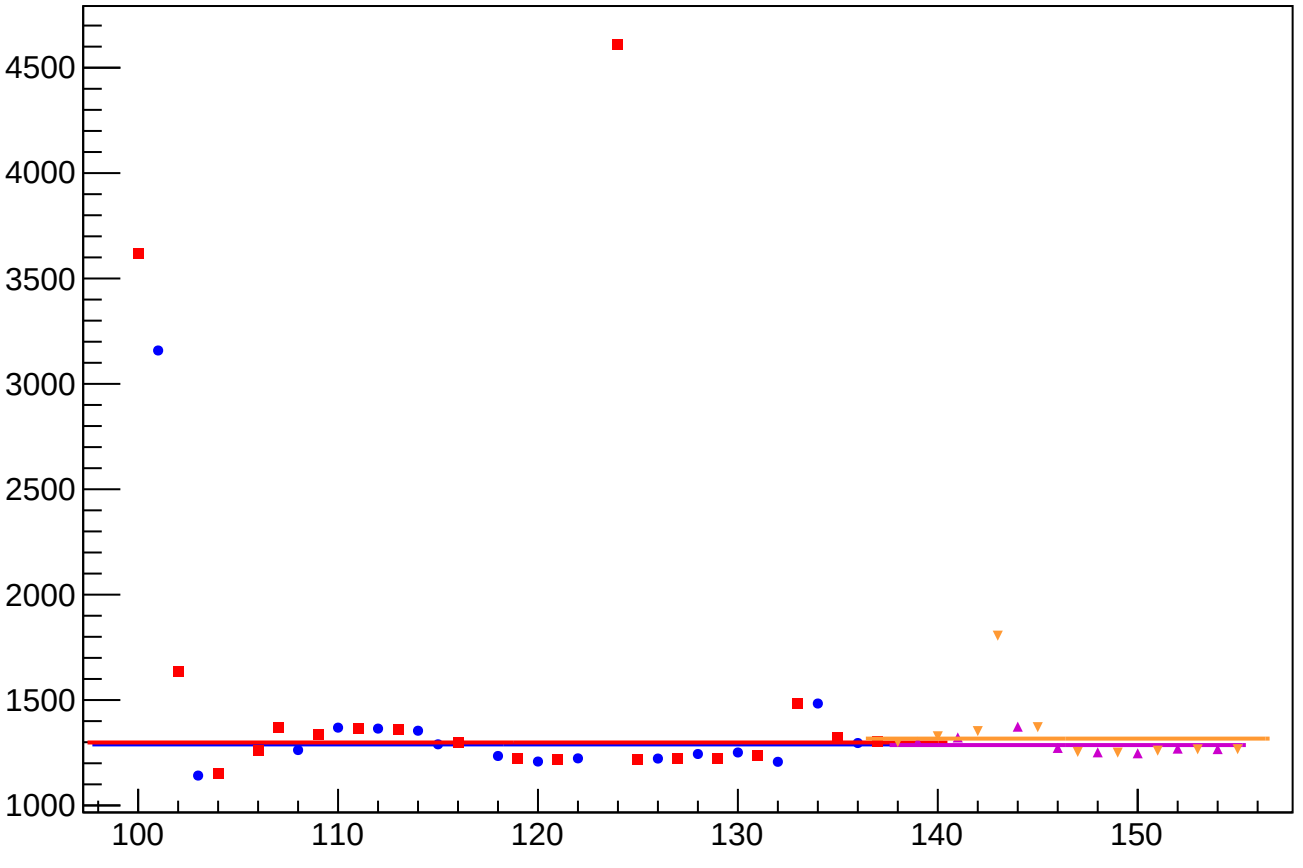
Left: 489.557+/-338.512 χ^2/NDF: 20.5/17

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -466.733+/-344.486 χ^2/NDF:18.2/23

Out: 607.324+/-339.206 χ^2/NDF:30.8/28

All: 78.590+/-241.700 χ^2/NDF: 53.9/52



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

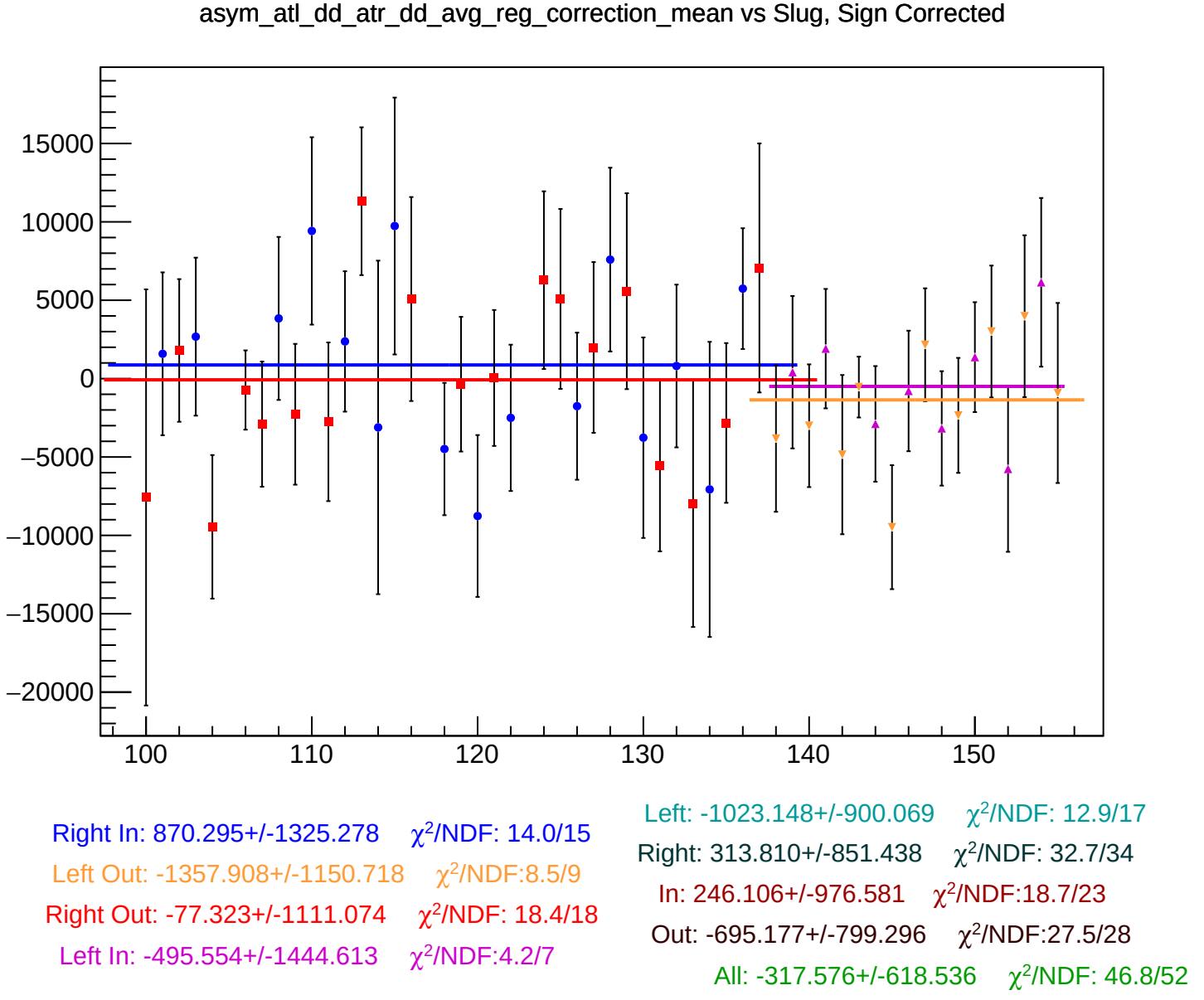
Left: 1302.171+/-0.239 χ^2/NDF: 157495.7/17

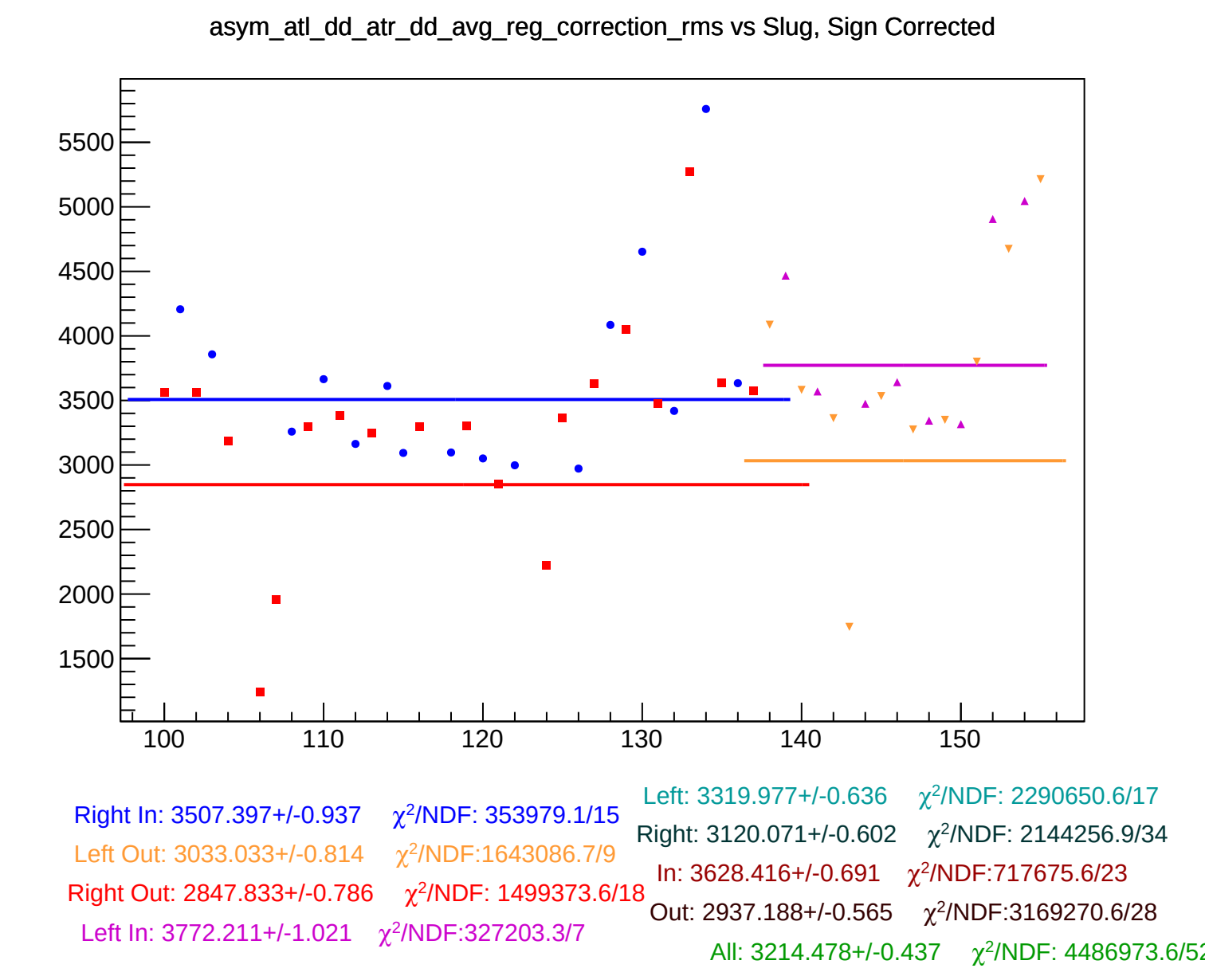
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

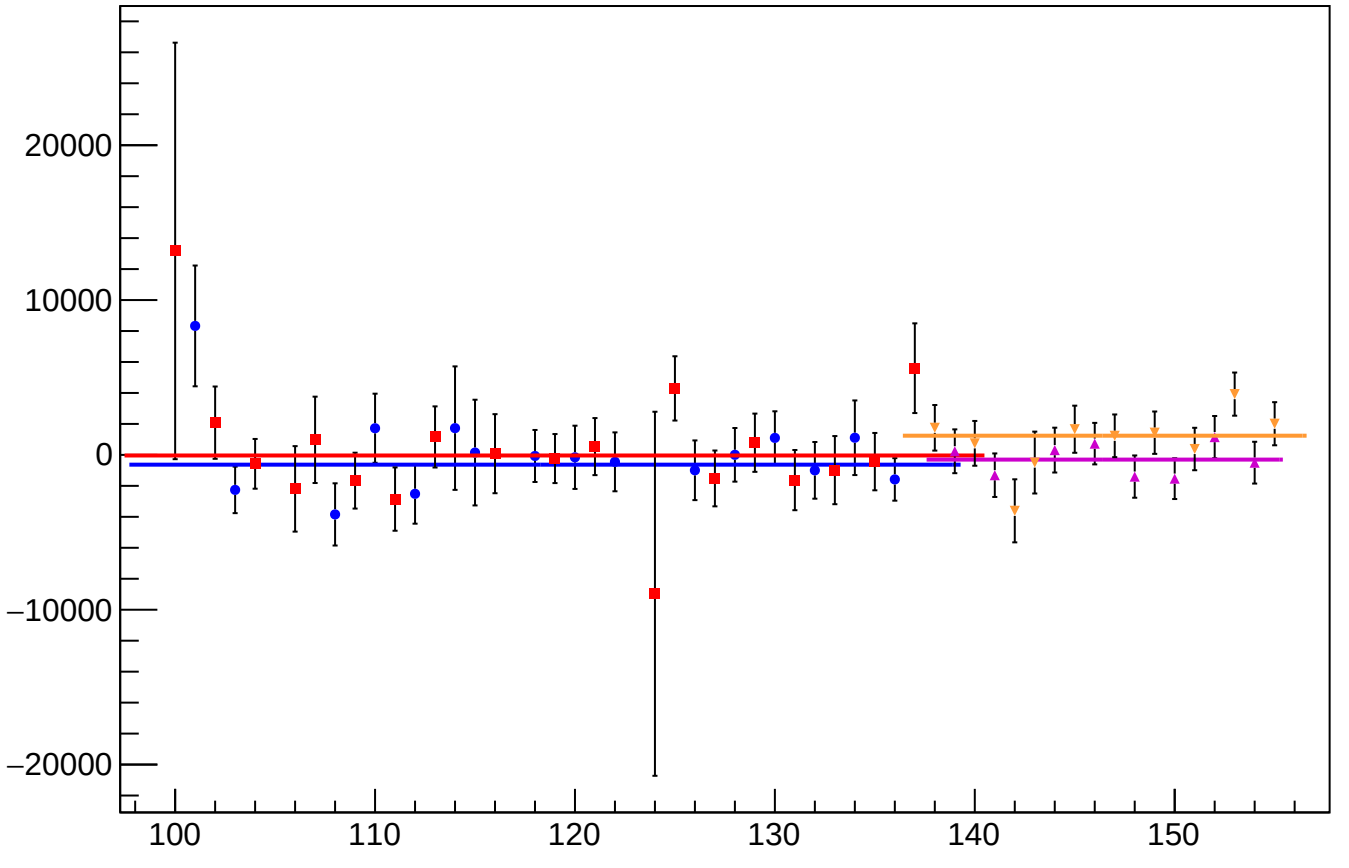
In: 1287.918+/-0.244 χ^2/NDF:527482.6/23

Out: 1308.144+/-0.240 χ^2/NDF:461474.0/28

All: 1298.200+/-0.171 χ^2/NDF: 992461.5/52


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: -1357.908+/-1150.718 χ²/NDF:8.5/9
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -495.554+/-1444.613 χ²/NDF:4.2/7
Left: -1023.148+/-900.069 χ²/NDF: 12.9/17
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 246.106+/-976.581 χ²/NDF:18.7/23
Out: -695.177+/-799.296 χ²/NDF:27.5/28
All: -317.576+/-618.536 χ²/NDF: 46.8/52


asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 3033.033+/-0.814 χ²/NDF:1643086.7/9
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 3772.211+/-1.021 χ²/NDF:327203.3/7
Left: 3319.977+/-0.636 χ²/NDF: 2290650.6/17
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3628.416+/-0.691 χ²/NDF:717675.6/23
Out: 2937.188+/-0.565 χ²/NDF:3169270.6/28
All: 3214.478+/-0.437 χ²/NDF: 4486973.6/52



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.450+/-472.044 χ^2/NDF:11.2/9

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -304.385+/-485.703 χ^2/NDF:4.1/7

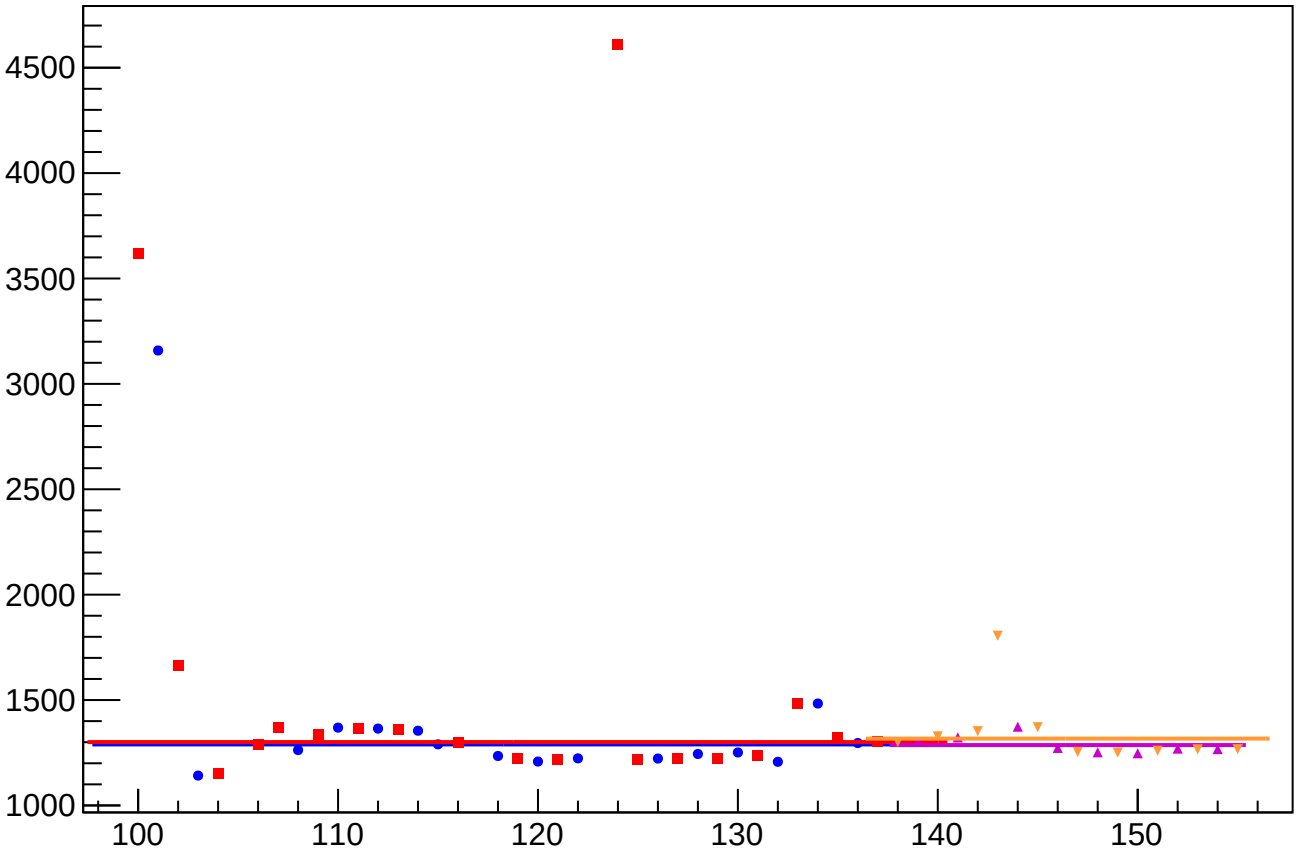
Left: 489.545+/-338.512 χ^2/NDF: 20.5/17

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -466.913+/-344.486 χ^2/NDF:18.2/23

Out: 621.759+/-339.315 χ^2/NDF:31.0/28

All: 85.655+/-241.739 χ^2/NDF: 54.3/52



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

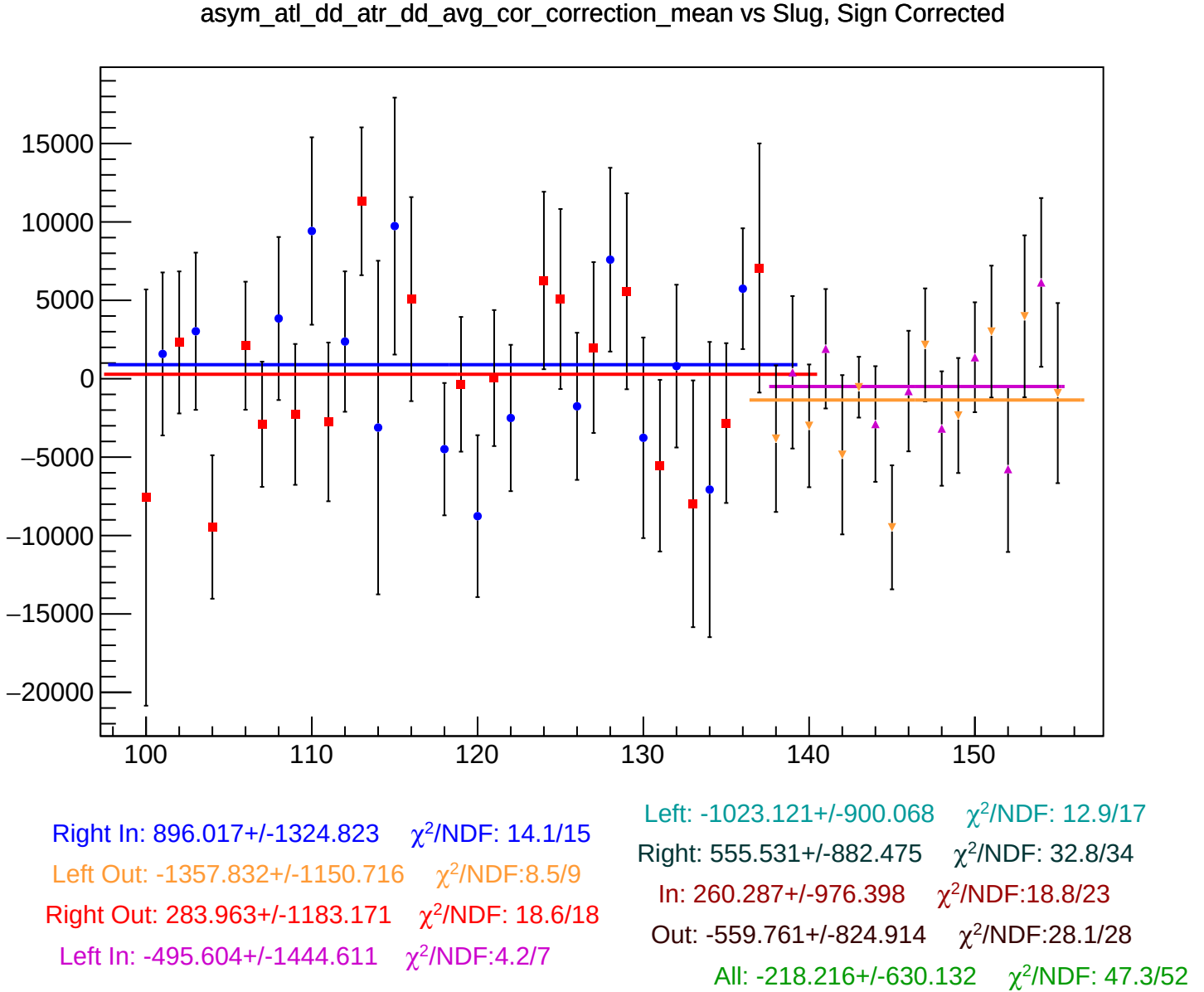
Left: 1302.171+/-0.239 χ^2/NDF: 157495.7/17

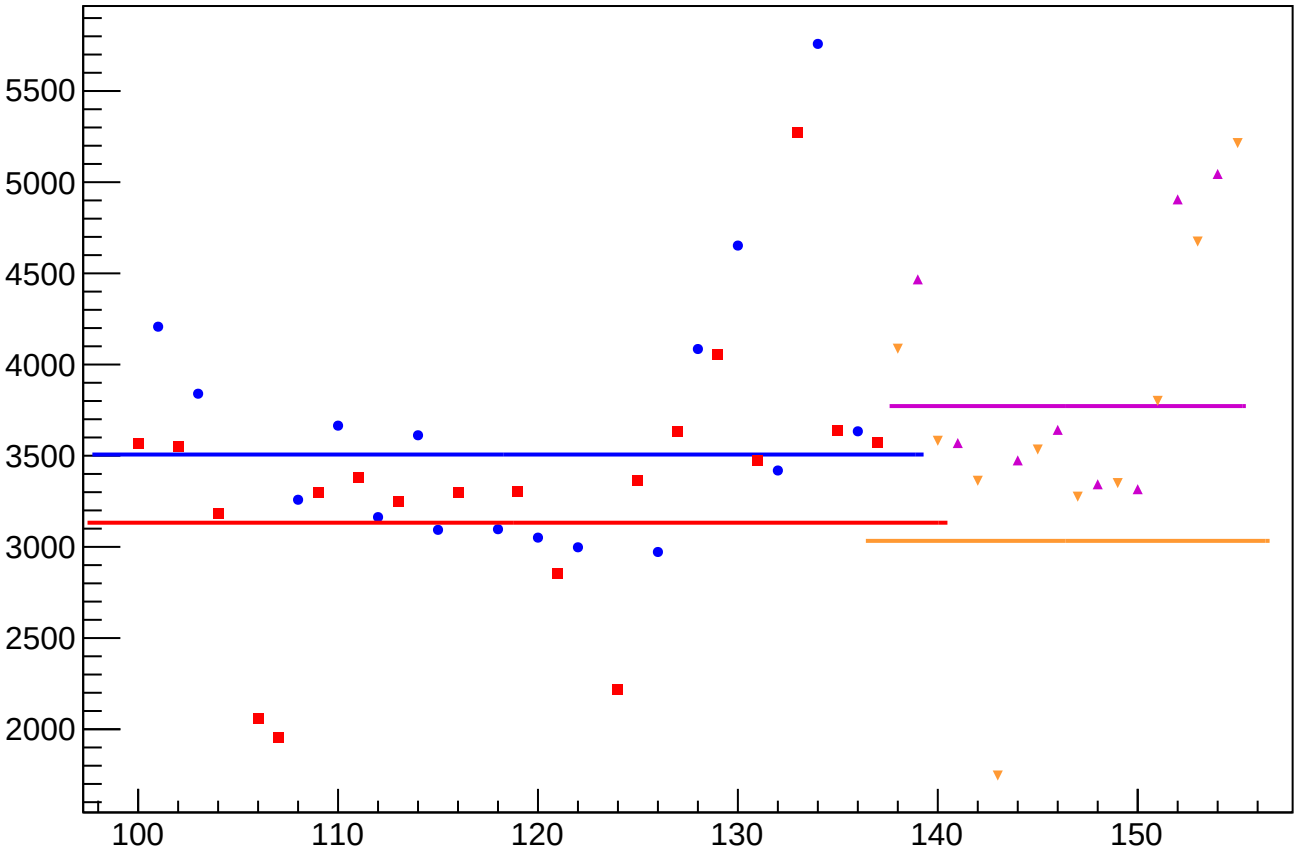
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.918+/-0.244 χ^2/NDF:527484.1/23

Out: 1309.140+/-0.240 χ^2/NDF:467697.7/28

All: 1298.699+/-0.171 χ^2/NDF: 999037.5/52


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: -1357.832+/-1150.716 χ²/NDF:8.5/9
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -495.604+/-1444.611 χ²/NDF:4.2/7
Left: -1023.121+/-900.068 χ²/NDF: 12.9/17
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 260.287+/-976.398 χ²/NDF:18.8/23
Out: -559.761+/-824.914 χ²/NDF:28.1/28
All: -218.216+/-630.132 χ²/NDF: 47.3/52



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3033.023+/-0.814 χ^2/NDF:1643113.7/9

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3772.206+/-1.021 χ^2/NDF:327202.8/7

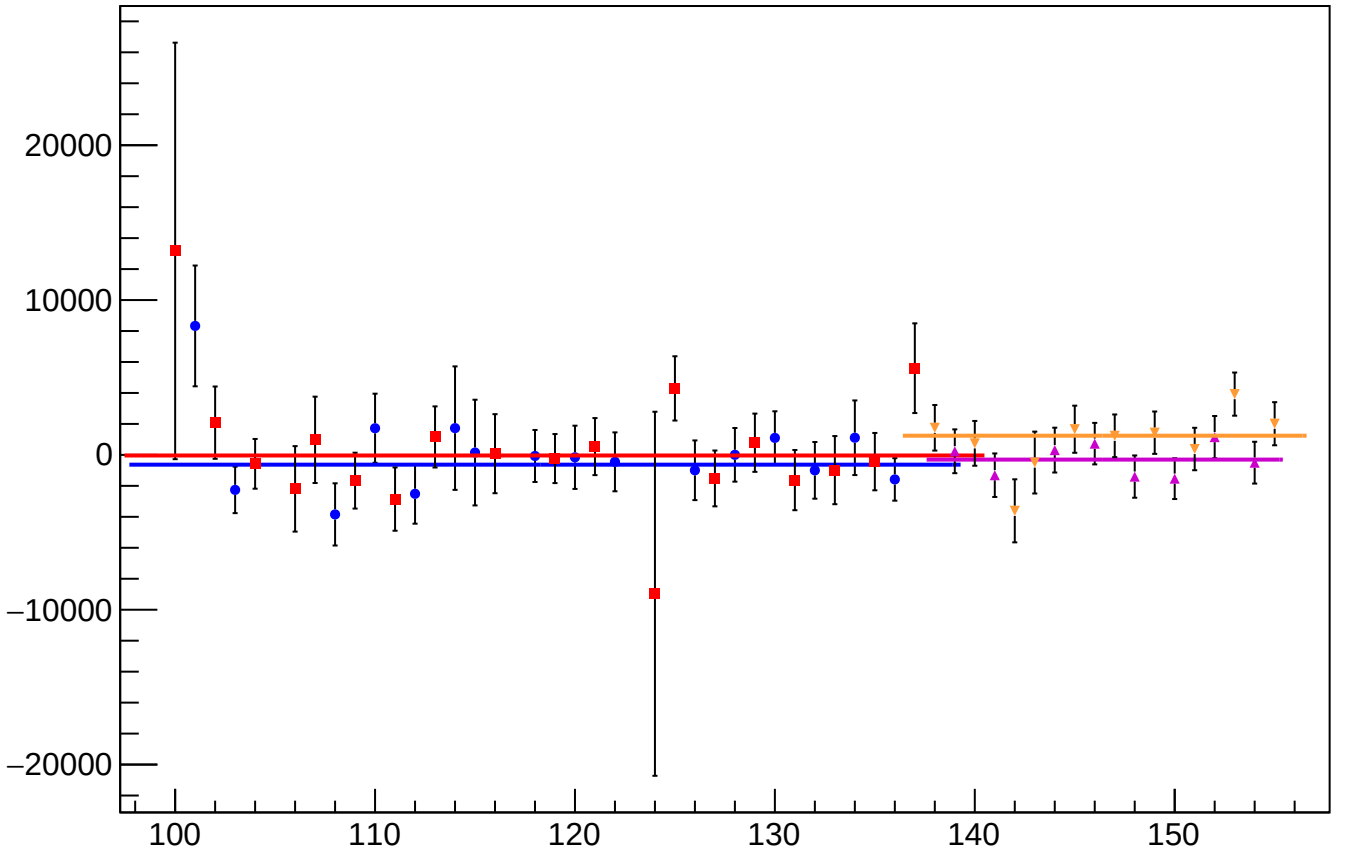
Left: 3319.969+/-0.636 χ^2/NDF: 2290682.4/17

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3627.873+/-0.690 χ^2/NDF:717195.9/23

Out: 3081.420+/-0.583 χ^2/NDF:2300002.9/28

All: 3309.015+/-0.446 χ^2/NDF: 3382731.6/52



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.450+/-472.044 χ^2/NDF:11.2/9

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -304.385+/-485.703 χ^2/NDF:4.1/7

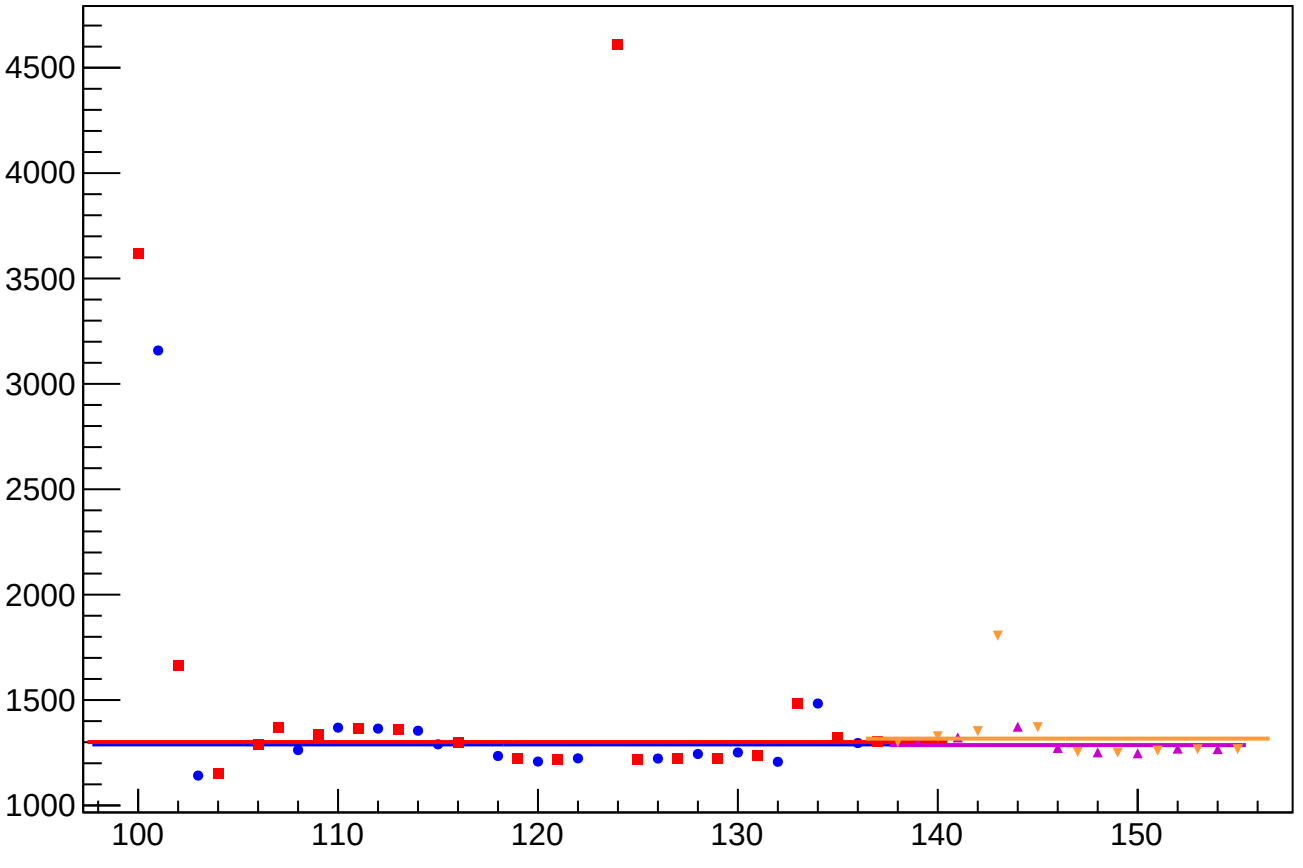
Left: 489.545+/-338.512 χ^2/NDF: 20.5/17

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -466.913+/-344.486 χ^2/NDF:18.2/23

Out: 621.759+/-339.315 χ^2/NDF:31.0/28

All: 85.655+/-241.739 χ^2/NDF: 54.3/52



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

Left: 1302.171+/-0.239 χ^2/NDF: 157495.7/17

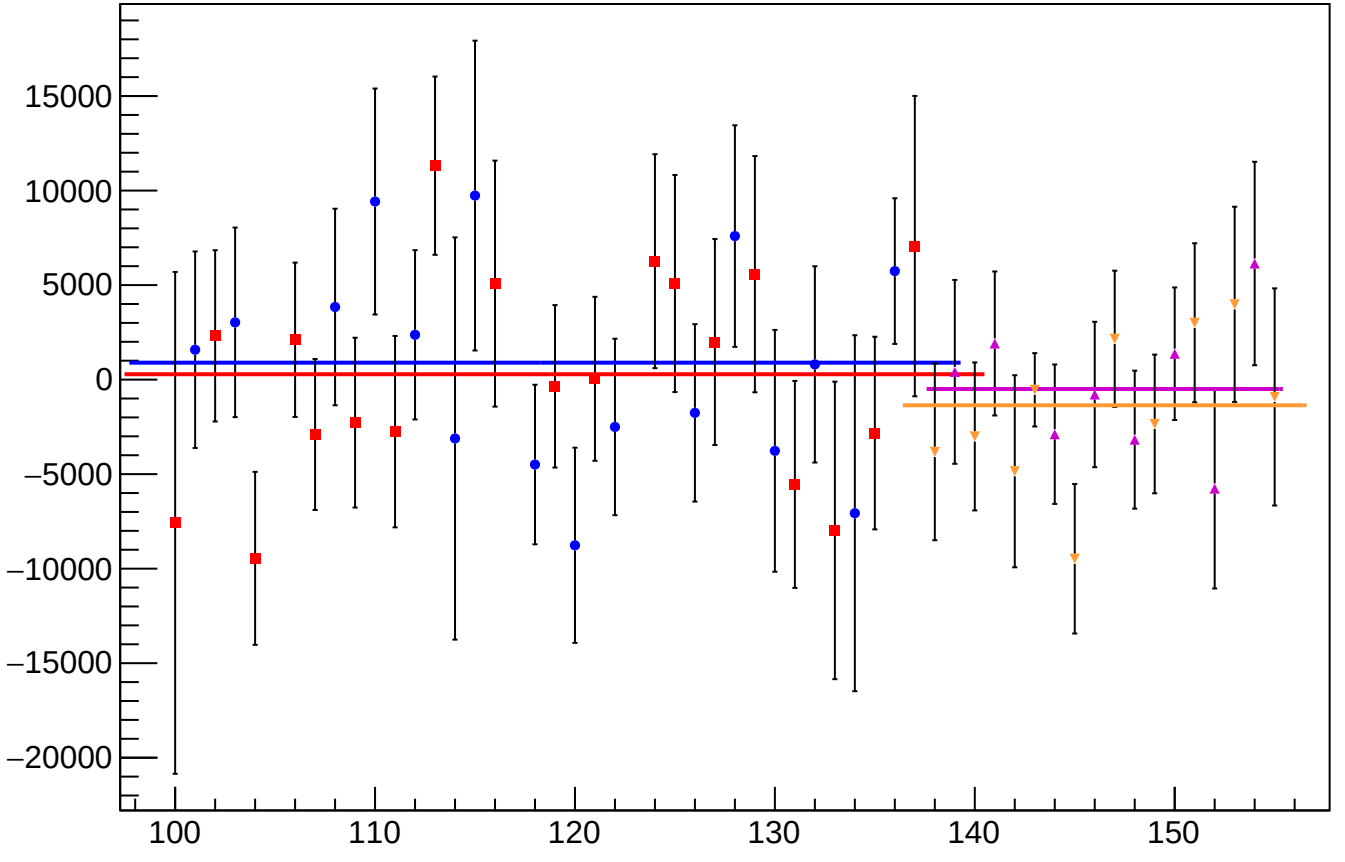
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.918+/-0.244 χ^2/NDF:527484.1/23

Out: 1309.140+/-0.240 χ^2/NDF:467697.7/28

All: 1298.699+/-0.171 χ^2/NDF: 999037.5/52

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: -1357.832+/-1150.716 χ^2/NDF:8.5/9

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -495.604+/-1444.611 χ^2/NDF:4.2/7

Left: -1023.121+/-900.068 χ^2/NDF: 12.9/17

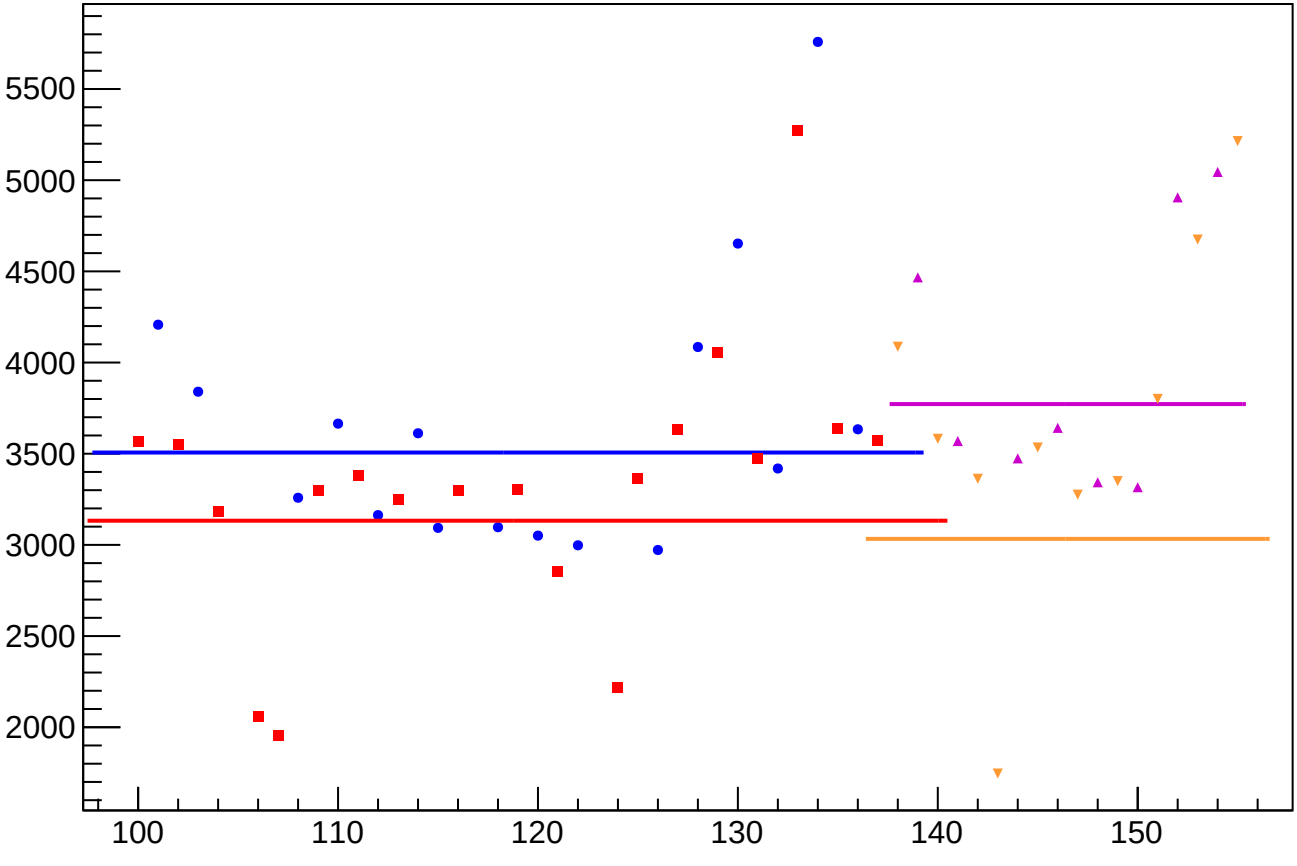
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 260.287+/-976.398 χ^2/NDF:18.8/23

Out: -559.761+/-824.914 χ^2/NDF:28.1/28

All: -218.216+/-630.132 χ^2/NDF: 47.3/52

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: 3033.023+/-0.814 χ^2/NDF:1643113.7/9

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3772.206+/-1.021 χ^2/NDF:327202.8/7

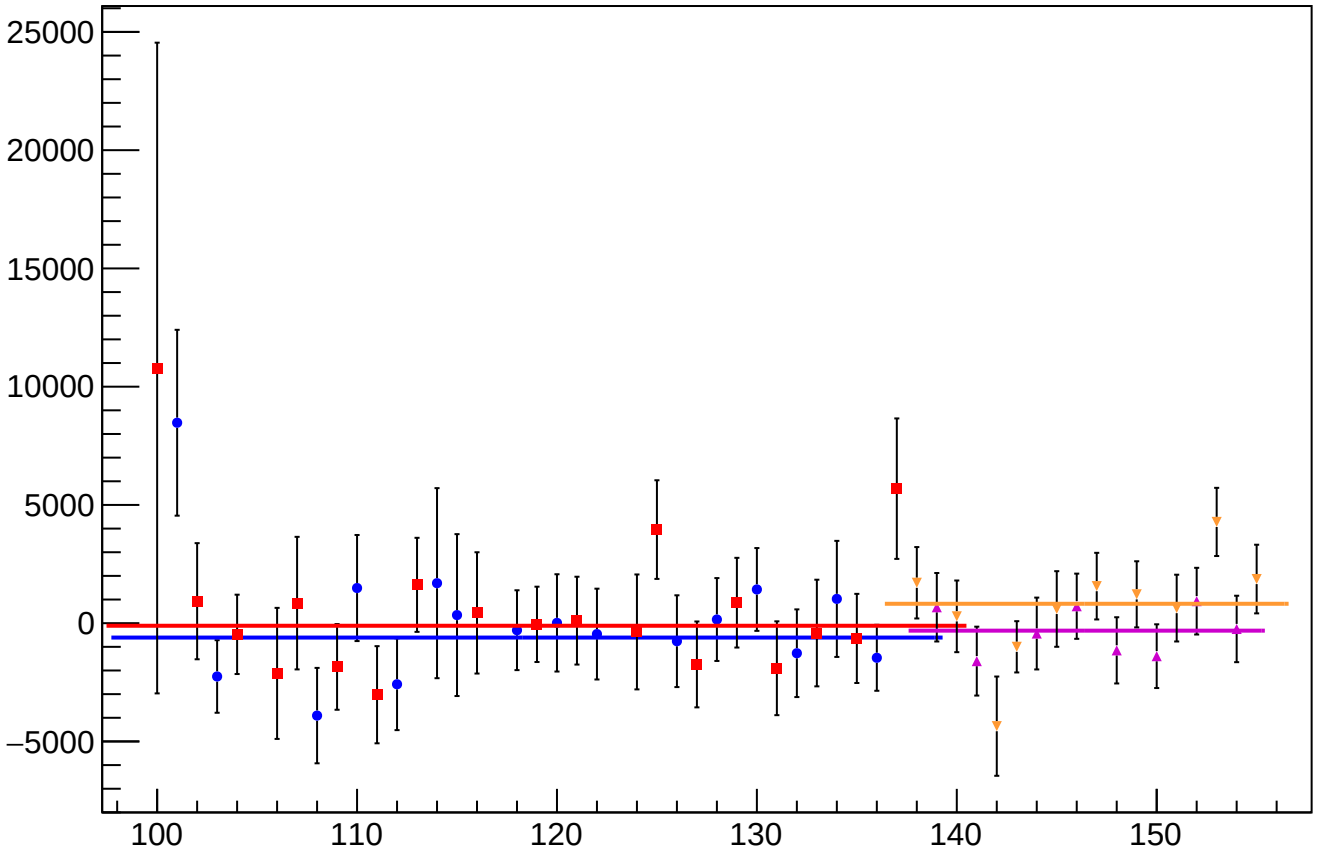
Left: 3319.969+/-0.636 χ^2/NDF: 2290682.4/17

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3627.873+/-0.690 χ^2/NDF:717195.9/23

Out: 3081.420+/-0.583 χ^2/NDF:2300002.9/28

All: 3309.015+/-0.446 χ^2/NDF: 3382731.6/52



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 820.470+/-455.608 χ^2/NDF:16.0/9

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -315.673+/-501.326 χ^2/NDF:3.6/7

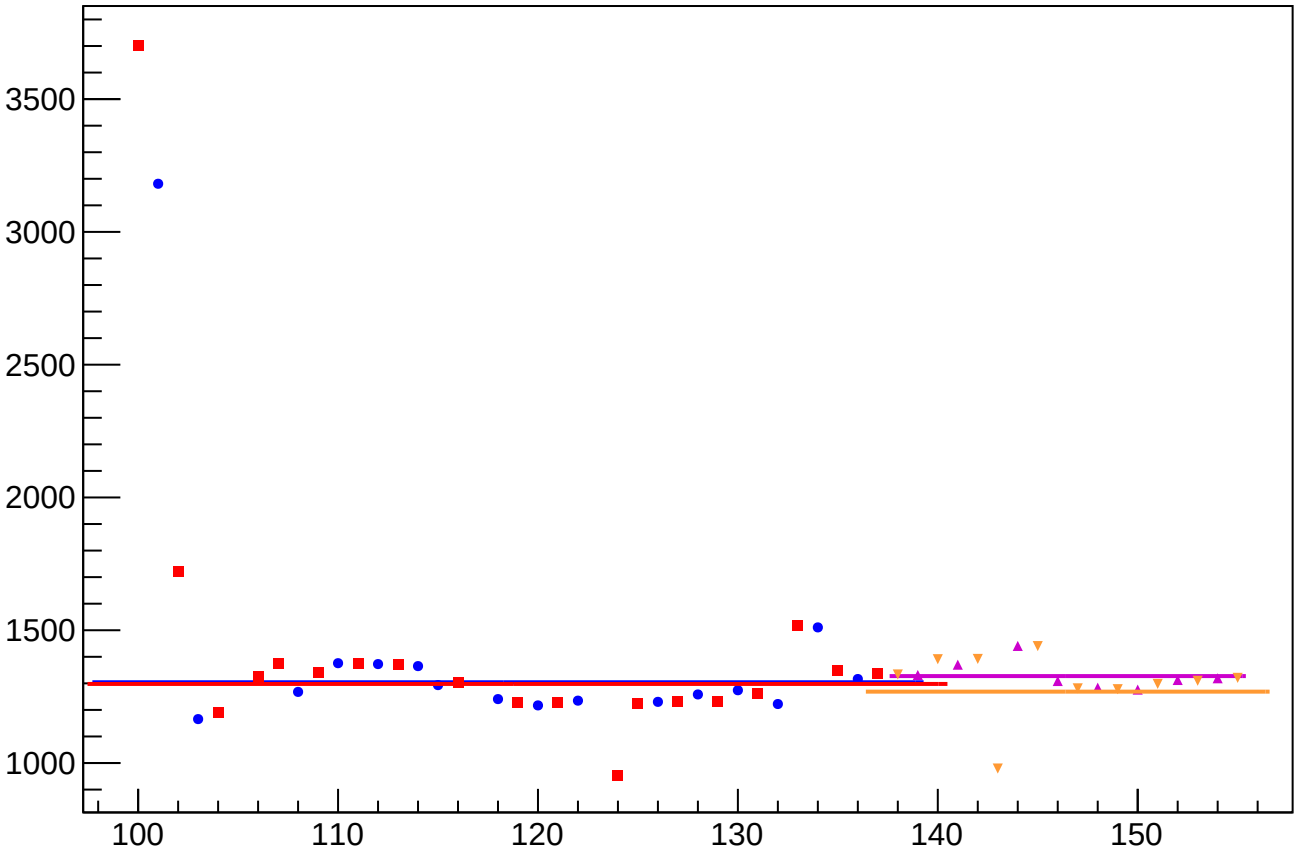
Left: 306.555+/-337.170 χ^2/NDF: 22.5/17

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -463.848+/-351.938 χ^2/NDF:17.9/23

Out: 385.459+/-332.245 χ^2/NDF:32.9/28

All: -14.770+/-241.595 χ^2/NDF: 53.8/52



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1268.816+/-0.322 χ^2/NDF:194521.7/9

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.399+/-0.354 χ^2/NDF:18384.6/7

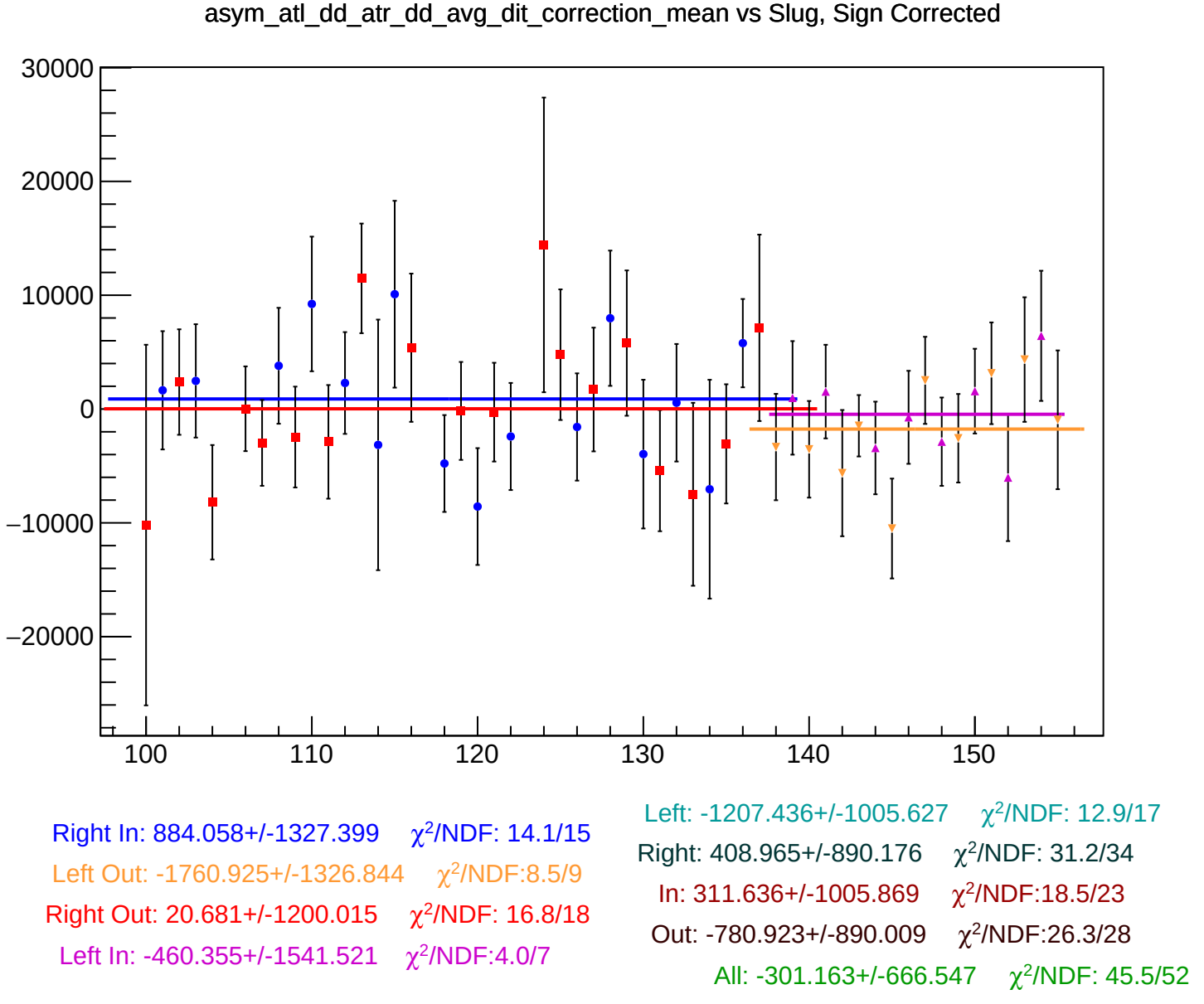
Left: 1295.315+/-0.238 χ^2/NDF: 227863.6/17

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

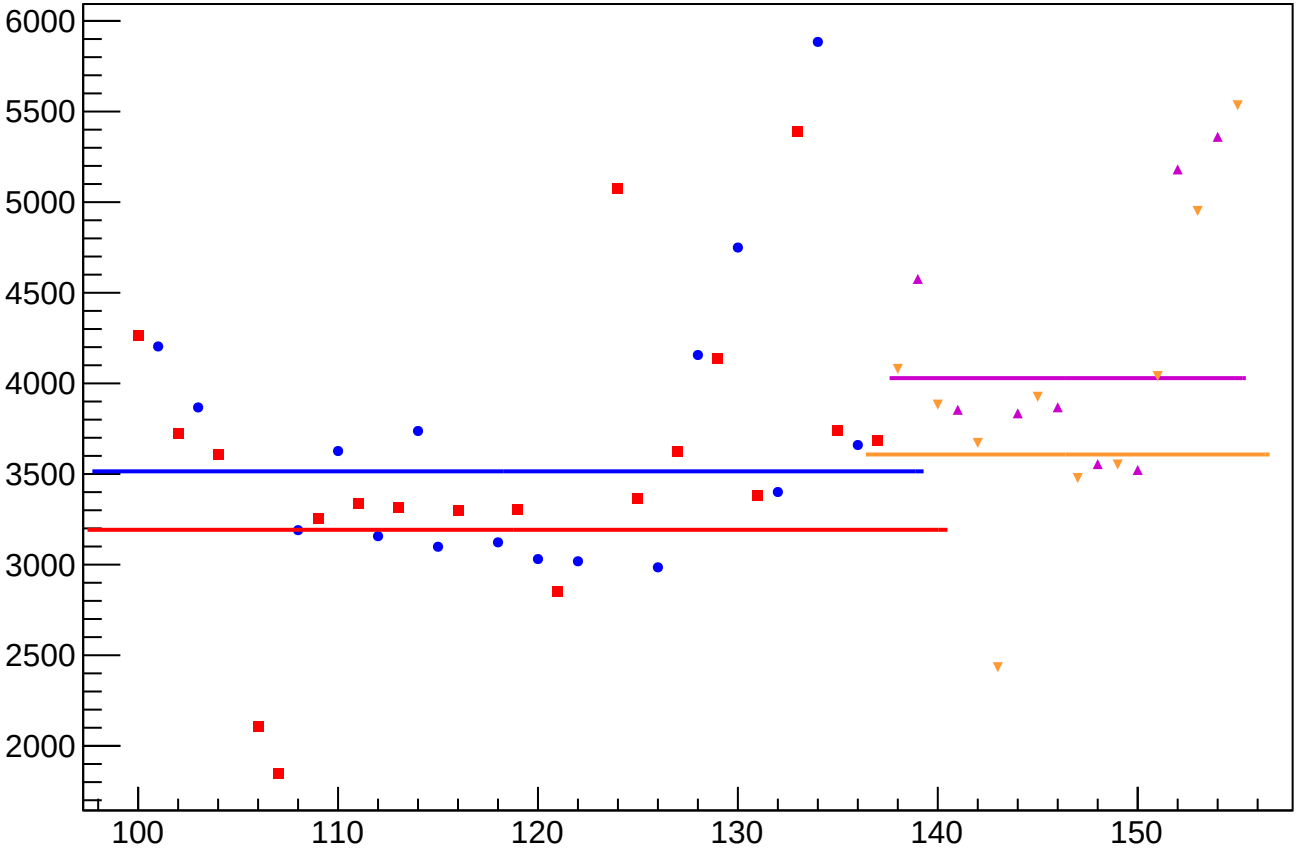
In: 1315.584+/-0.249 χ^2/NDF:531164.5/23

Out: 1282.396+/-0.235 χ^2/NDF:411410.3/28

All: 1298.029+/-0.171 χ^2/NDF: 951982.0/52


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -1760.925+/-1326.844 χ²/NDF:8.5/9
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -460.355+/-1541.521 χ²/NDF:4.0/7
Left: -1207.436+/-1005.627 χ²/NDF: 12.9/17
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 311.636+/-1005.869 χ²/NDF:18.5/23
Out: -780.923+/-890.009 χ²/NDF:26.3/28
All: -301.163+/-666.547 χ²/NDF: 45.5/52

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: 3607.808+/-0.938 χ^2/NDF:760158.3/9

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4029.067+/-1.090 χ^2/NDF:295872.9/7

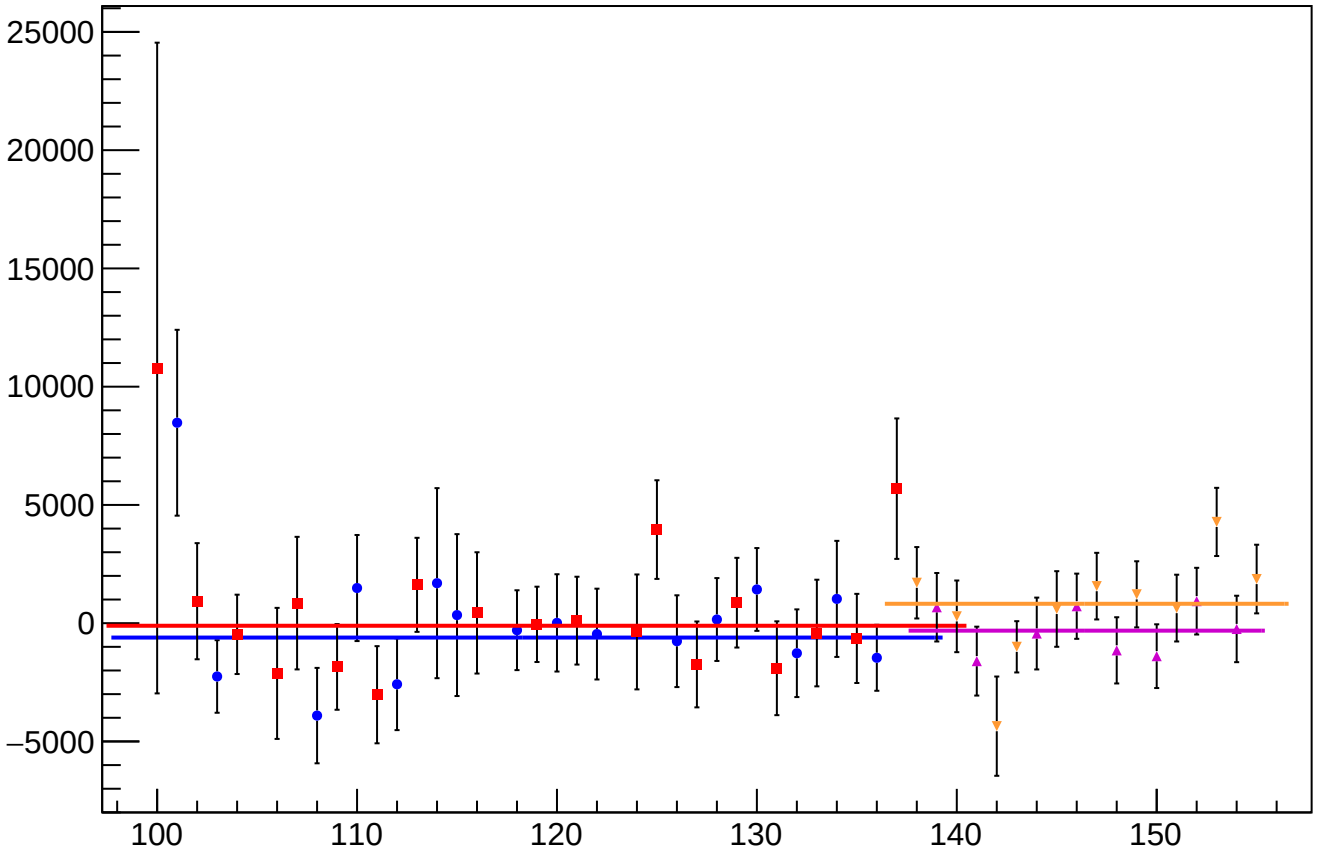
Left: 3787.085+/-0.711 χ^2/NDF: 1141826.5/17

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3733.733+/-0.711 χ^2/NDF:798795.5/23

Out: 3379.198+/-0.629 χ^2/NDF:1640589.9/28

All: 3534.880+/-0.471 χ^2/NDF: 2578745.4/52



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 820.470+/-455.608 χ^2/NDF:16.0/9

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -315.671+/-501.326 χ^2/NDF:3.6/7

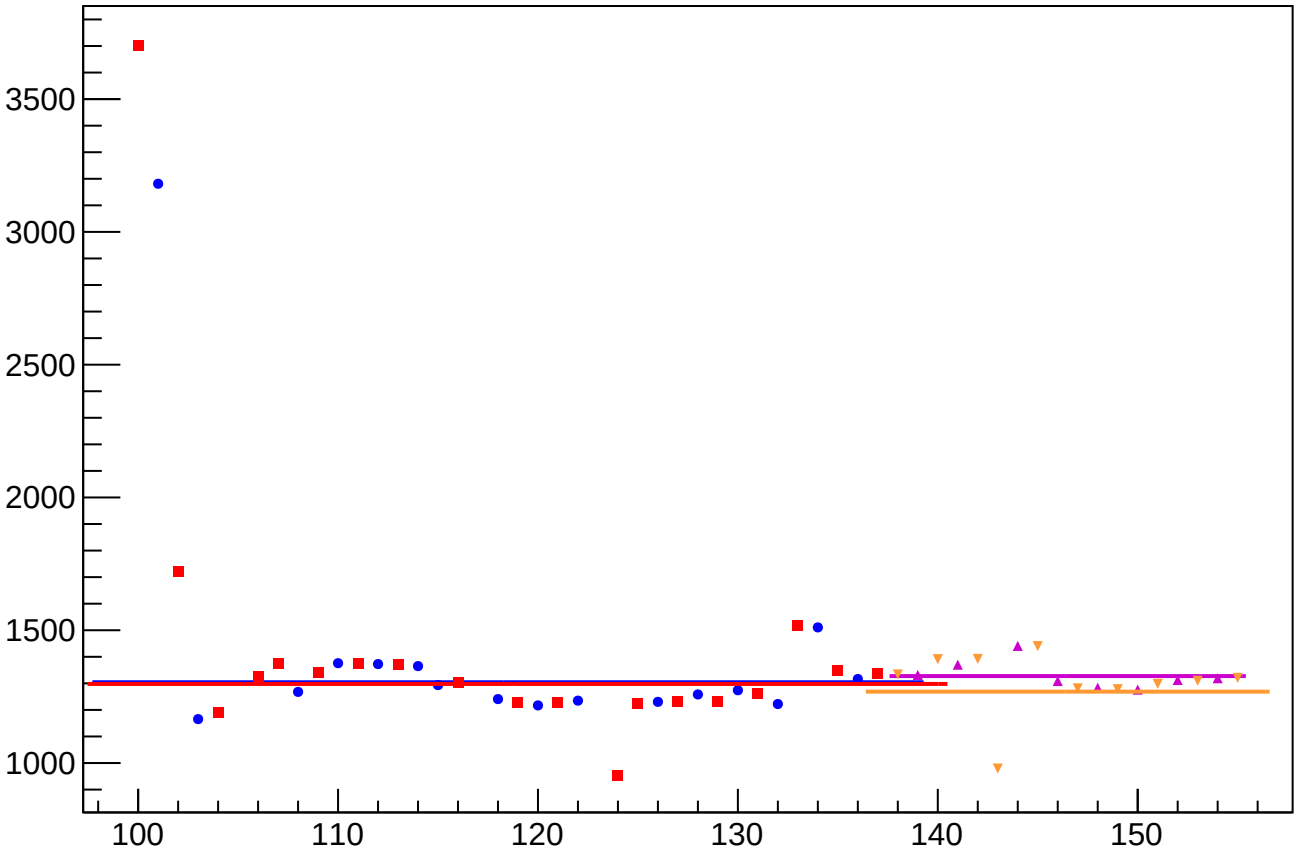
Left: 306.556+/-337.170 χ^2/NDF: 22.5/17

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -463.849+/-351.938 χ^2/NDF:17.9/23

Out: 385.456+/-332.245 χ^2/NDF:32.9/28

All: -14.772+/-241.595 χ^2/NDF: 53.8/52



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1268.817+/-0.322 χ^2/NDF:194522.0/9

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.400+/-0.354 χ^2/NDF:18384.7/7

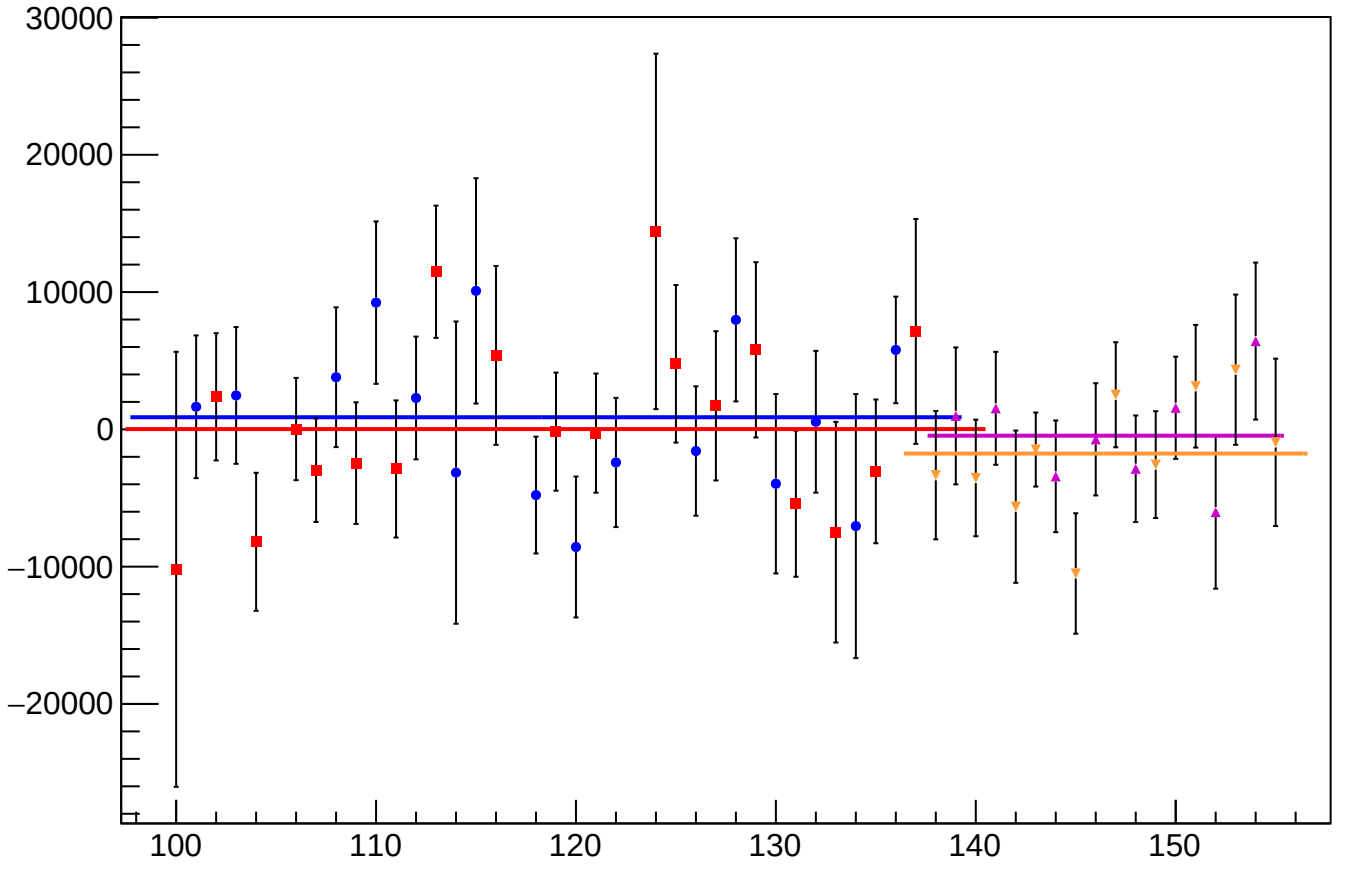
Left: 1295.316+/-0.238 χ^2/NDF: 227864.0/17

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1315.584+/-0.249 χ^2/NDF:531164.9/23

Out: 1282.396+/-0.235 χ^2/NDF:411410.5/28

All: 1298.030+/-0.171 χ^2/NDF: 951982.6/52



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -1760.923+/-1326.846 χ^2/NDF:8.5/9

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -460.354+/-1541.523 χ^2/NDF:4.0/7

Left: -1207.434+/-1005.629 χ^2/NDF: 12.9/17

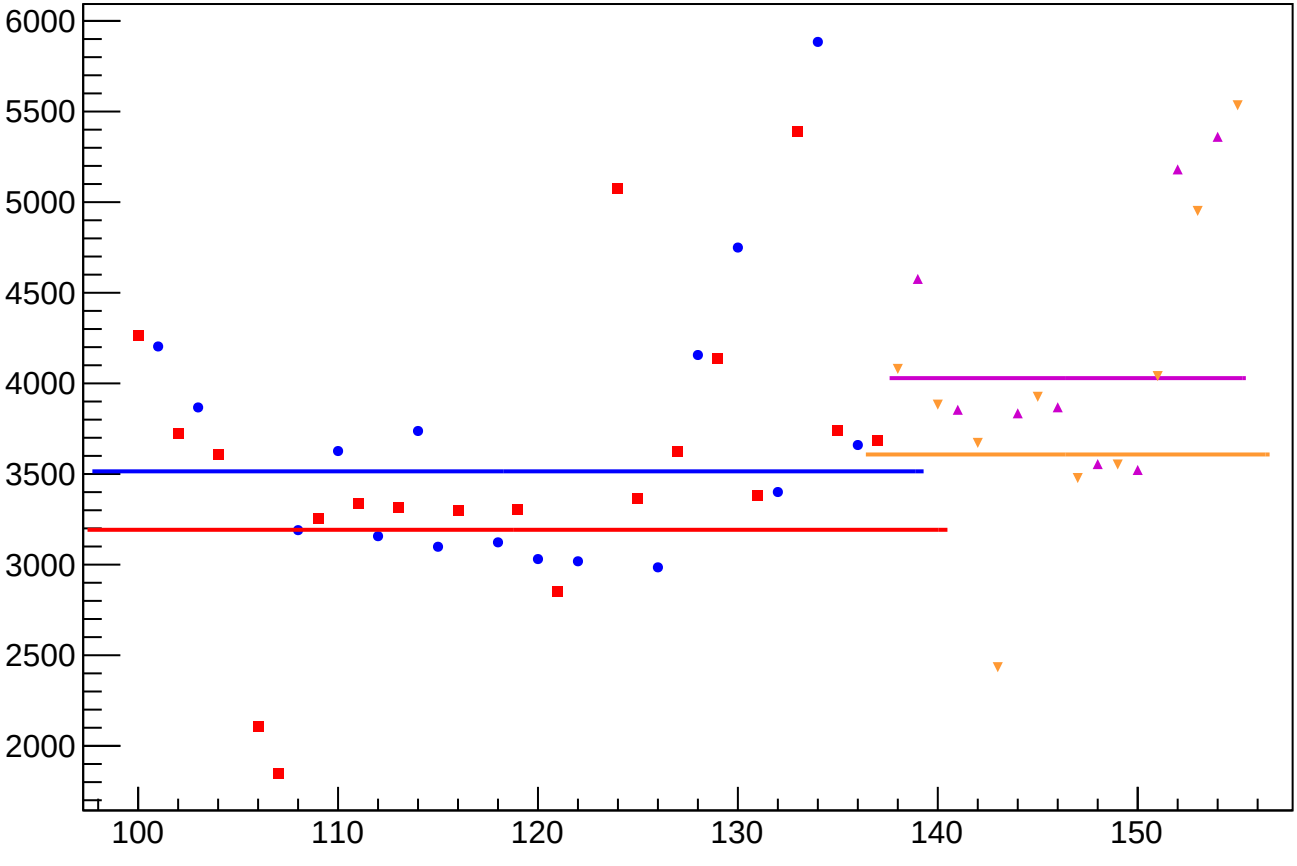
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 311.633+/-1005.868 χ^2/NDF:18.5/23

Out: -780.921+/-890.008 χ^2/NDF:26.3/28

All: -301.163+/-666.546 χ^2/NDF: 45.5/52

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: 3607.813+/-0.938 χ^2/NDF:760158.4/9

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4029.072+/-1.090 χ^2/NDF:295873.4/7

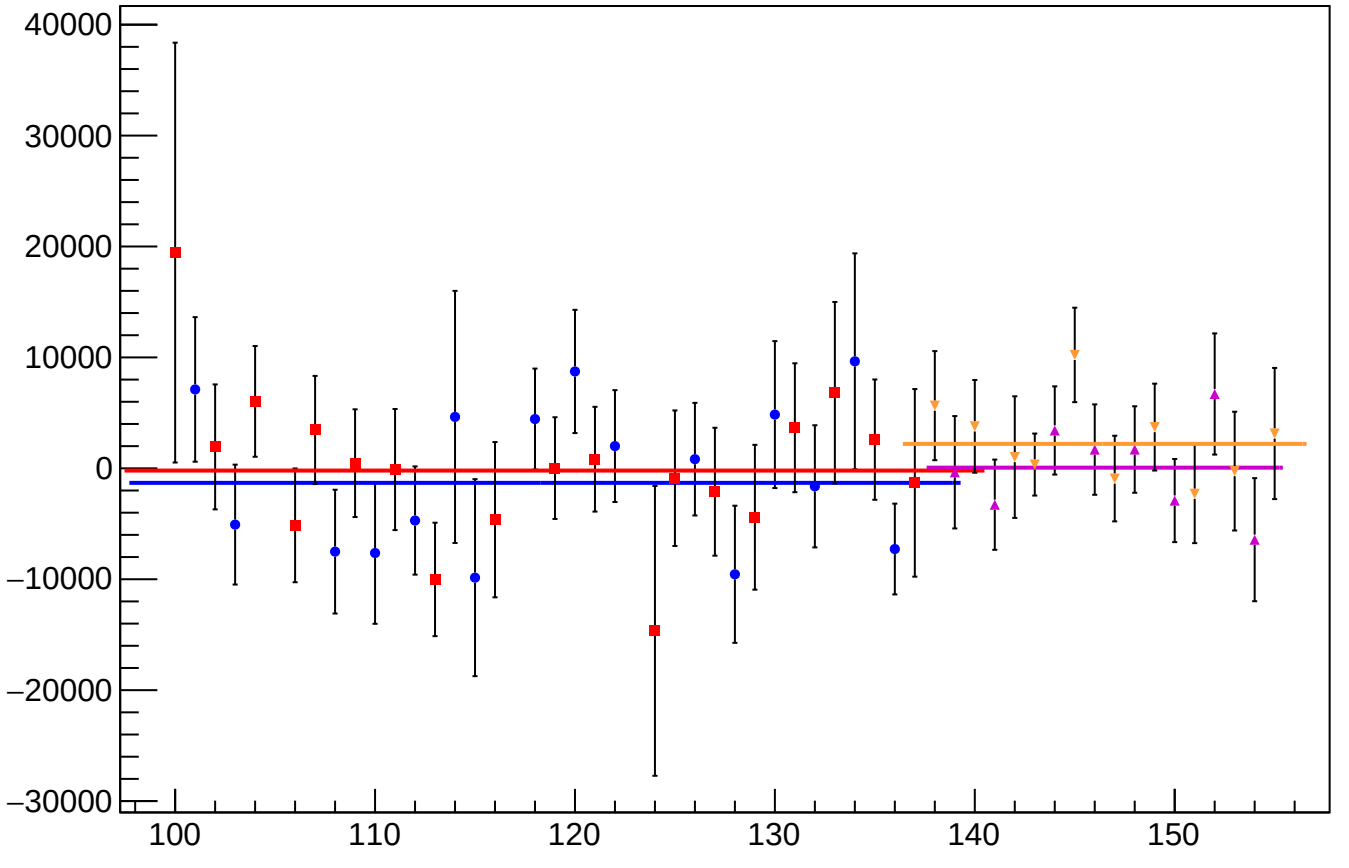
Left: 3787.090+/-0.711 χ^2/NDF: 1141827.0/17

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3733.729+/-0.711 χ^2/NDF:798807.3/23

Out: 3379.195+/-0.629 χ^2/NDF:1640599.0/28

All: 3534.876+/-0.471 χ^2/NDF: 2578765.7/52



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2203.166+/-1334.679 χ^2/NDF:6.7/9

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 60.364+/-1532.346 χ^2/NDF:5.2/7

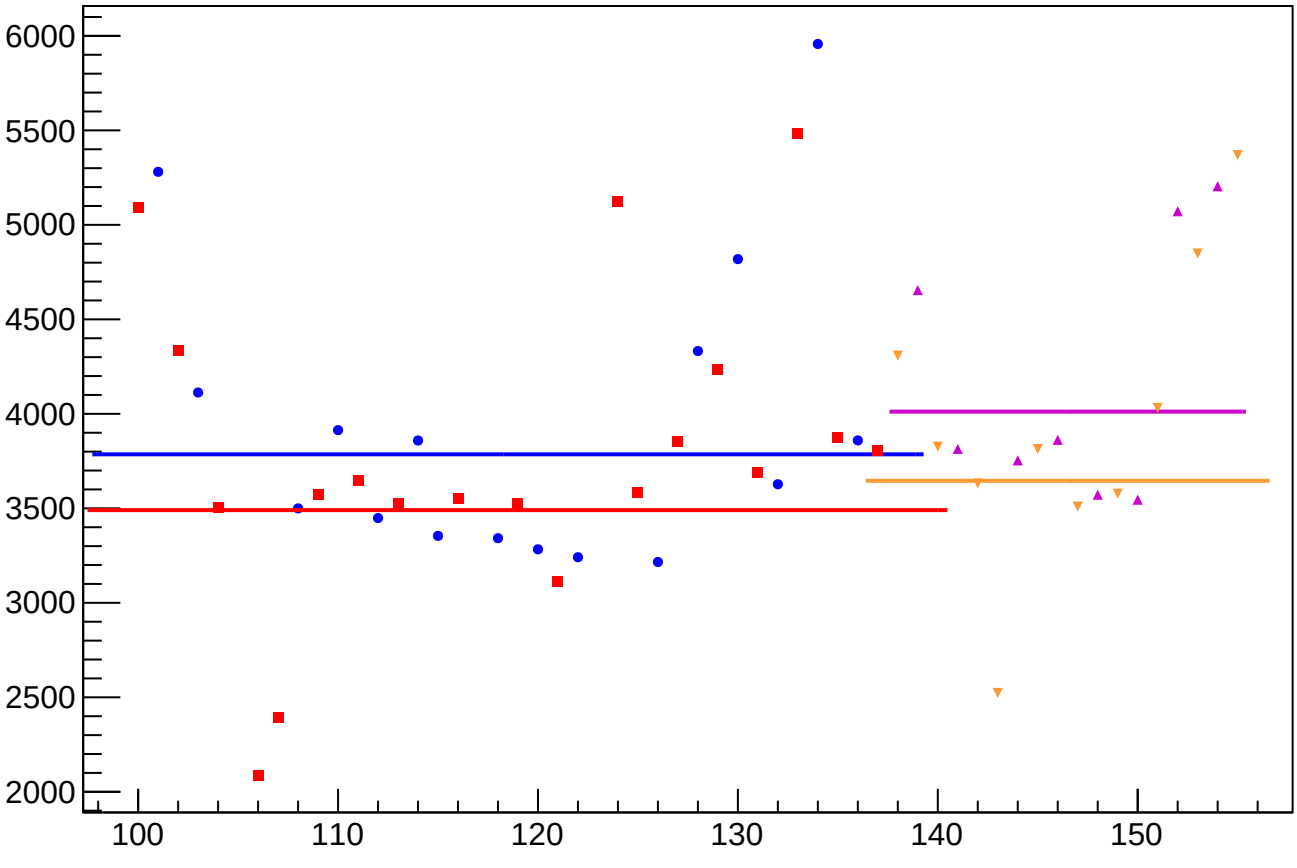
Left: 1278.802+/-1006.439 χ^2/NDF: 13.1/17

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -670.985+/-1046.108 χ^2/NDF:23.2/23

Out: 1002.032+/-944.249 χ^2/NDF:20.0/28

All: 250.918+/-700.937 χ^2/NDF: 44.6/52



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3645.649+/-0.944 χ^2/NDF:654864.0/9

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4011.759+/-1.084 χ^2/NDF:272083.9/7

Left: 3803.582+/-0.712 χ^2/NDF: 991865.3/17

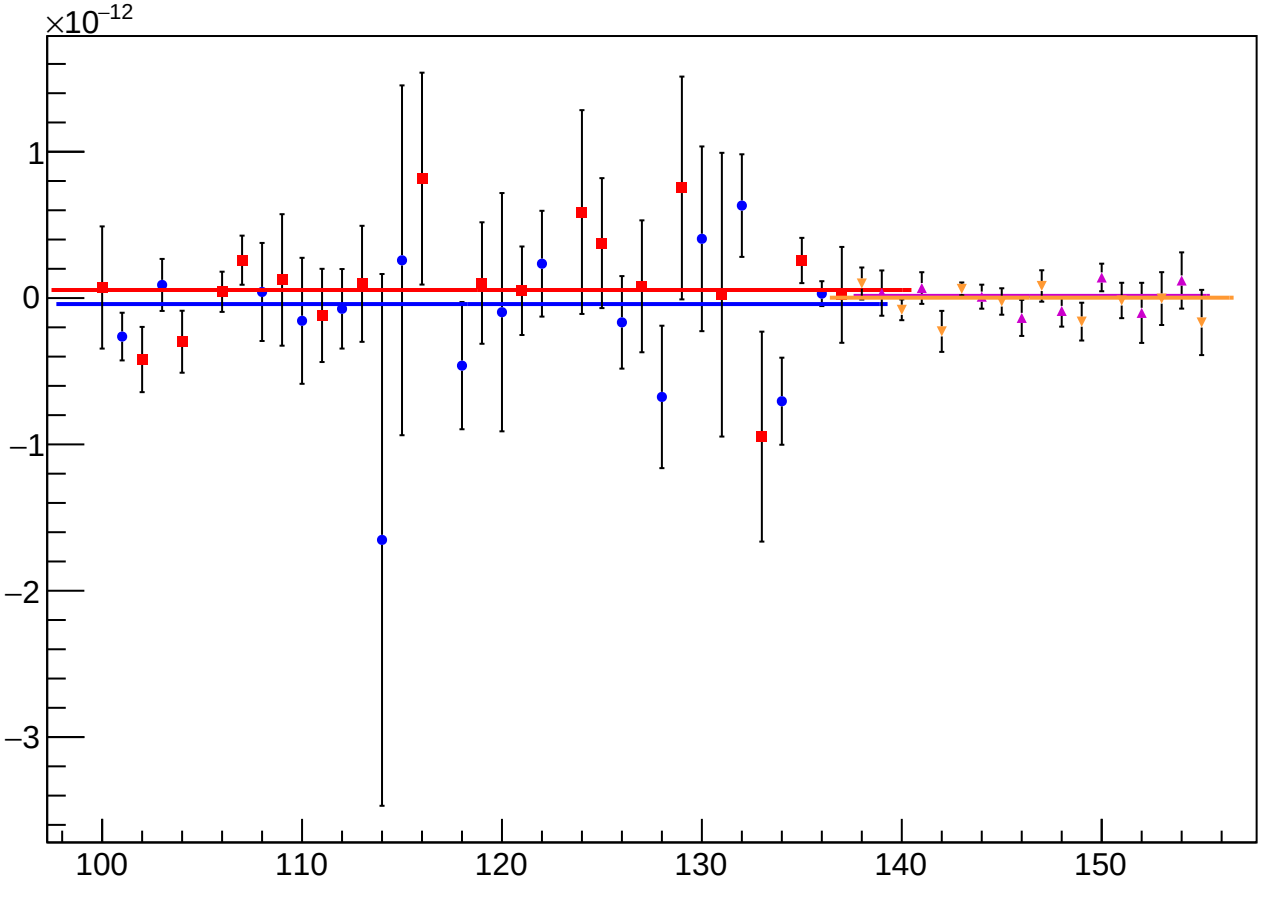
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3891.095+/-0.740 χ^2/NDF:678302.8/23

Out: 3567.147+/-0.663 χ^2/NDF:1255243.3/28

All: 3711.481+/-0.494 χ^2/NDF: 2039885.7/52

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/7

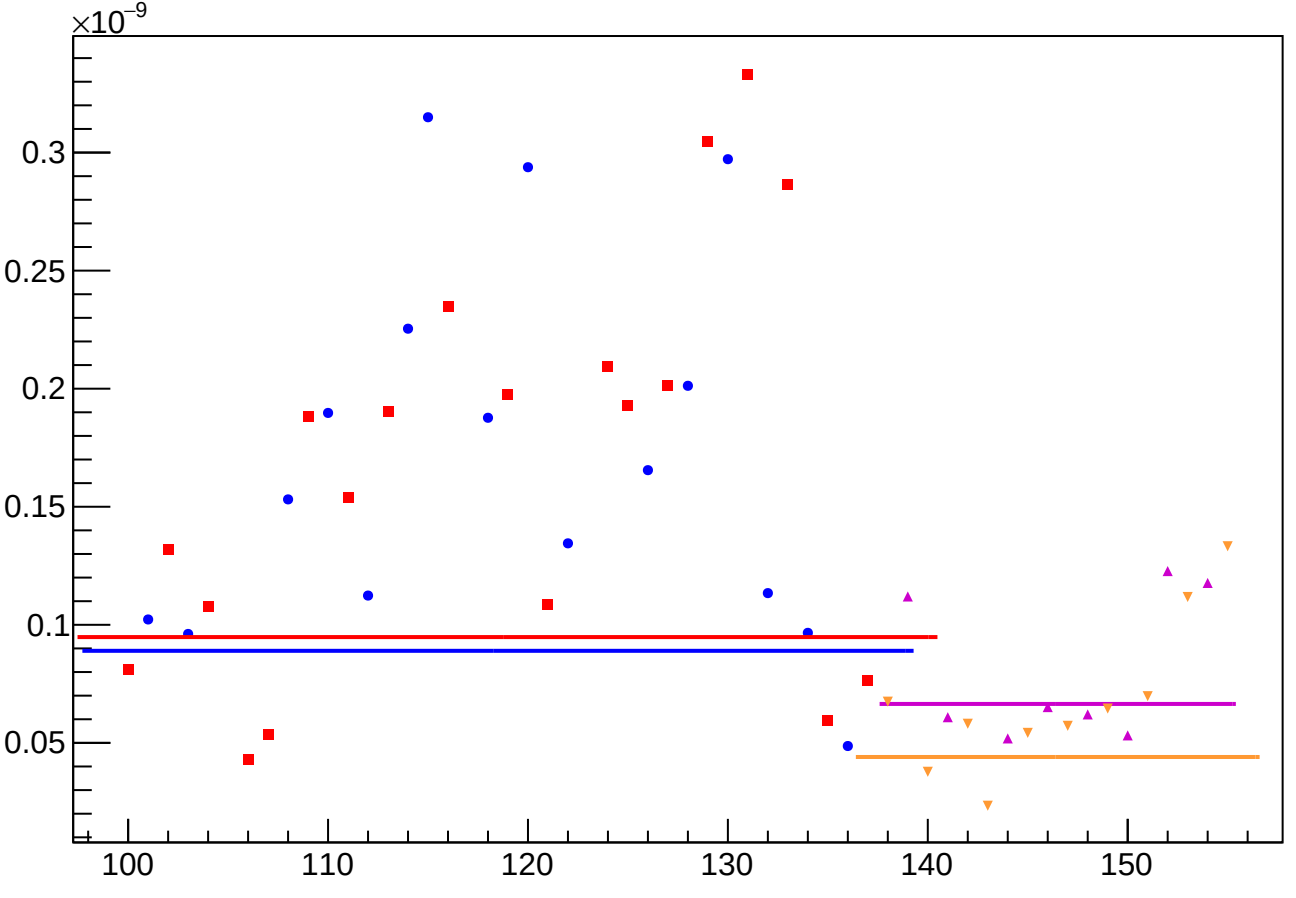
Left: 0.000+/-0.000 χ^2/NDF: 14.7/17

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:22.3/23

Out: 0.000+/-0.000 χ^2/NDF:26.0/28

All: 0.000+/-0.000 χ^2/NDF: 48.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1367936.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:577604.9/7

Left: 0.000+/-0.000 χ^2/NDF: 2349937.1/17

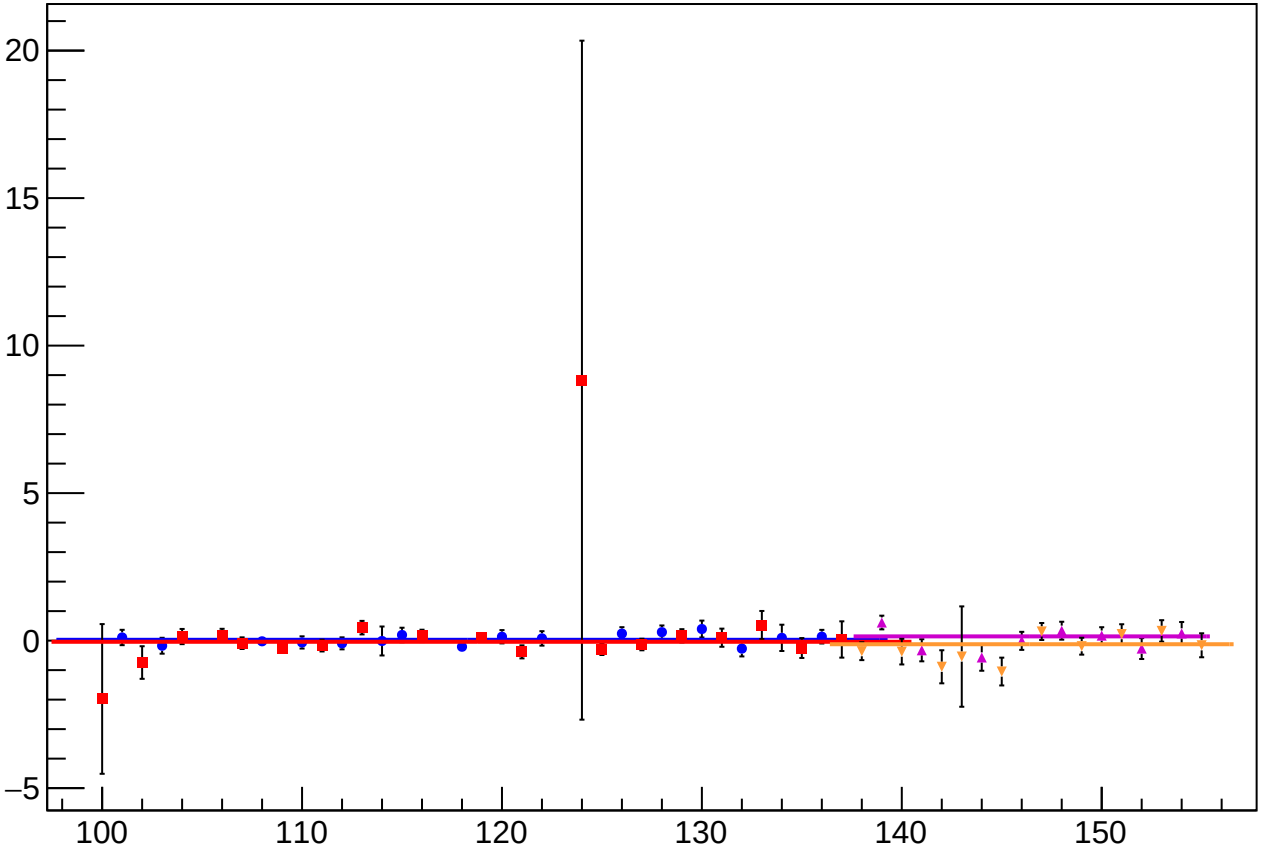
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2234118.2/23

Out: 0.000+/-0.000 χ^2/NDF:4155699.5/28

All: 0.000+/-0.000 χ^2/NDF: 6898108.9/52

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.018+/-0.082 χ^2/NDF: 24.5/17

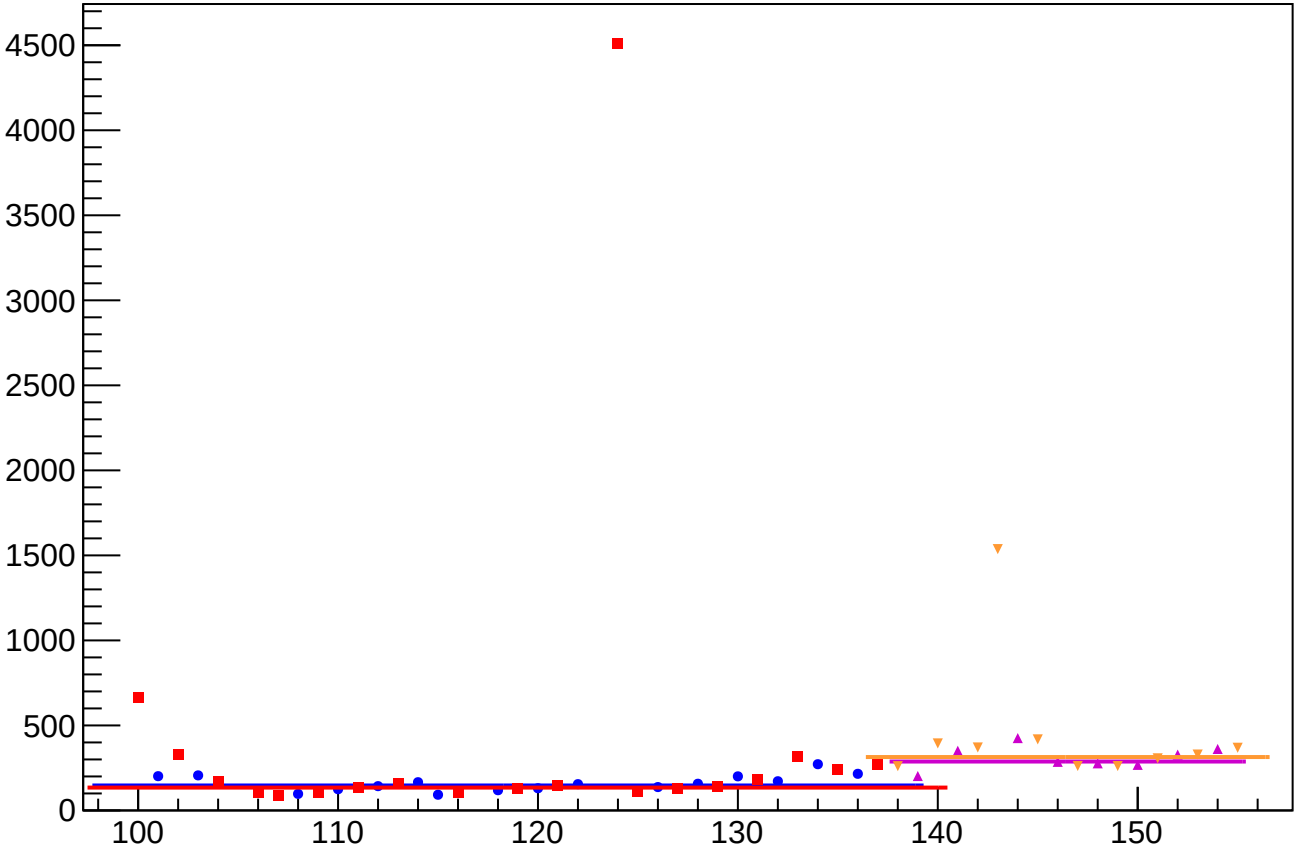
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.054+/-0.050 χ^2/NDF:32.0/28

All: -0.003+/-0.036 χ^2/NDF: 54.8/52

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: 314.096+/-0.084 χ^2/NDF:1457813.7/9

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 287.728+/-0.079 χ^2/NDF:624337.1/7

Left: 300.203+/-0.058 χ^2/NDF: 2134248.7/17

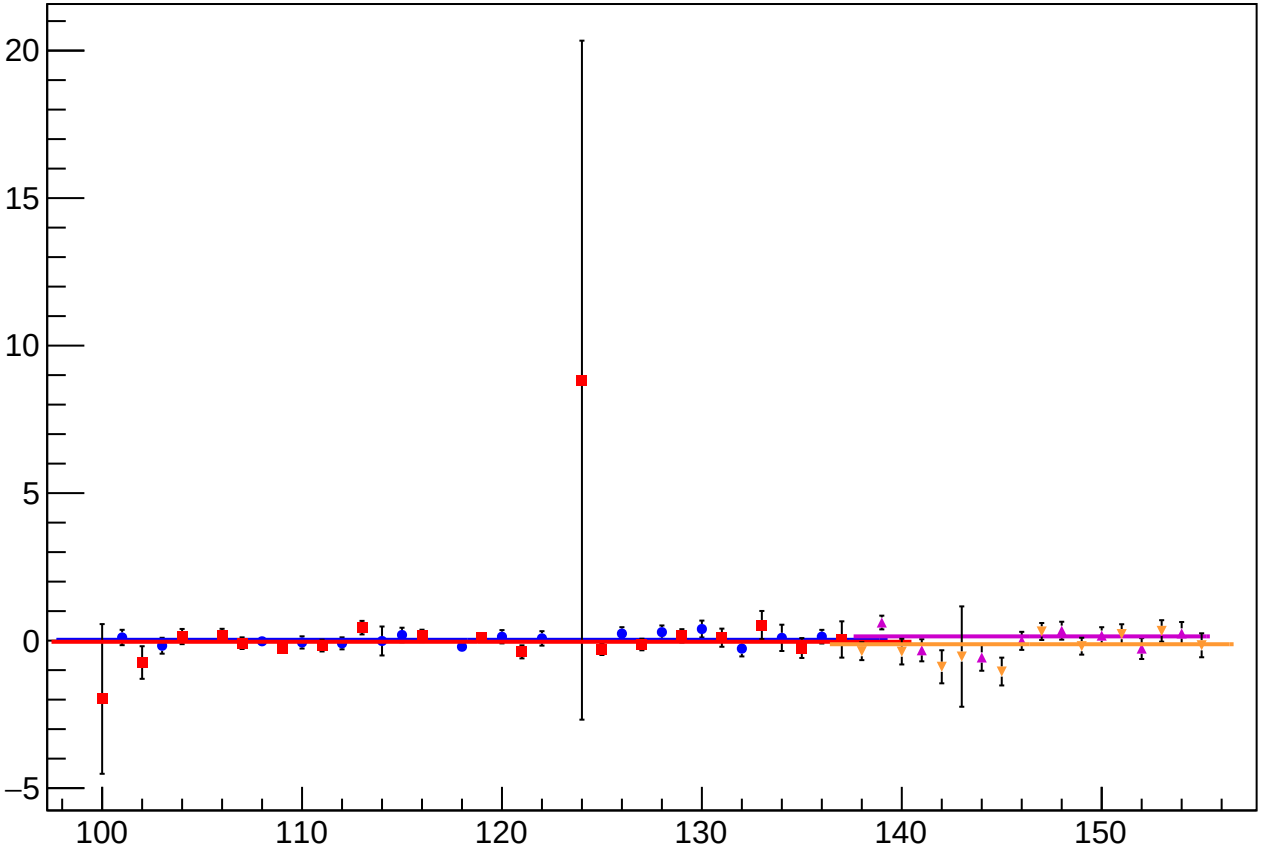
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 176.227+/-0.036 χ^2/NDF:4111129.1/23

Out: 166.085+/-0.035 χ^2/NDF:6844354.8/28

All: 170.996+/-0.025 χ^2/NDF: 10995755.9/52

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: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.018+/-0.082 χ^2/NDF: 24.5/17

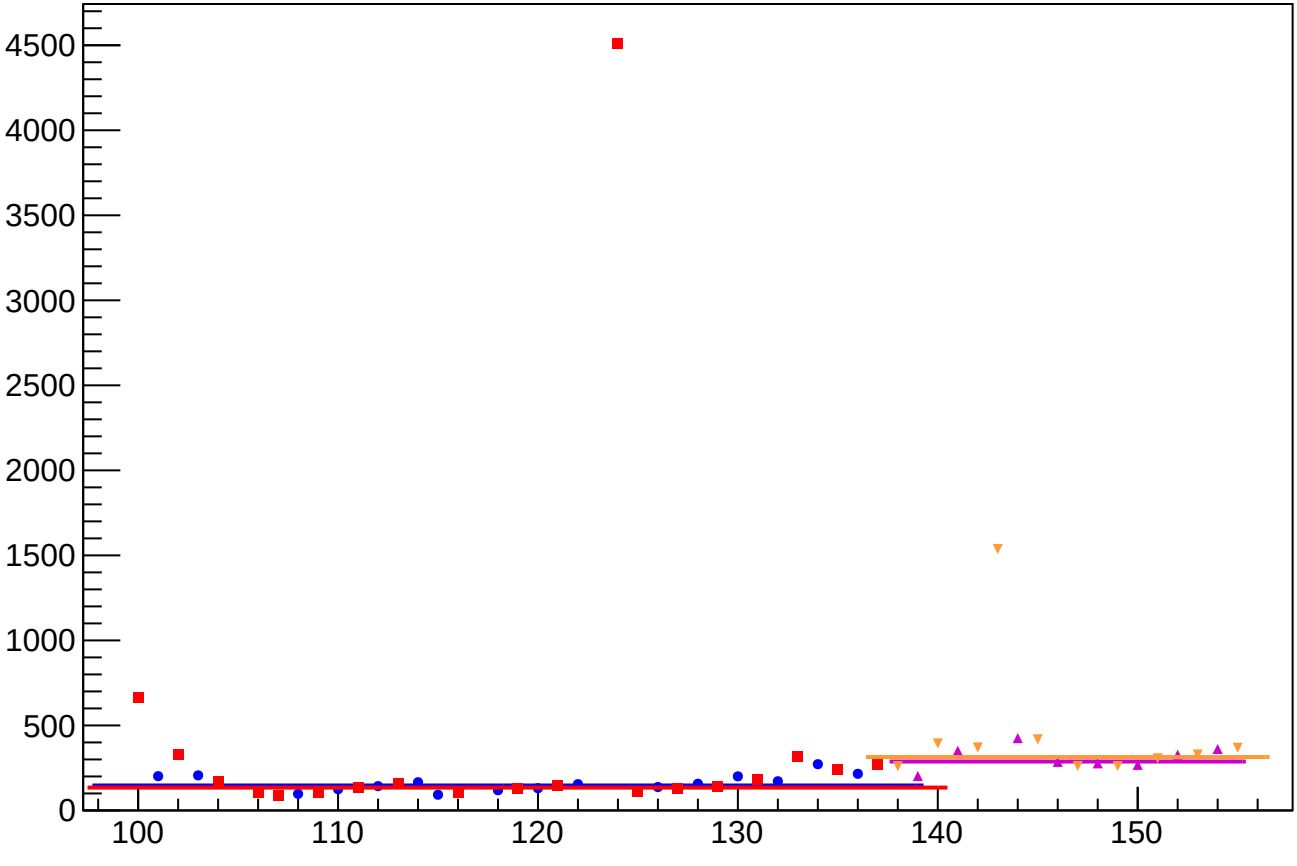
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.054+/-0.050 χ^2/NDF:32.0/28

All: -0.003+/-0.036 χ^2/NDF: 54.8/52

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: 314.096+/-0.084 χ^2/NDF:1457813.7/9

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 287.728+/-0.079 χ^2/NDF:624337.1/7

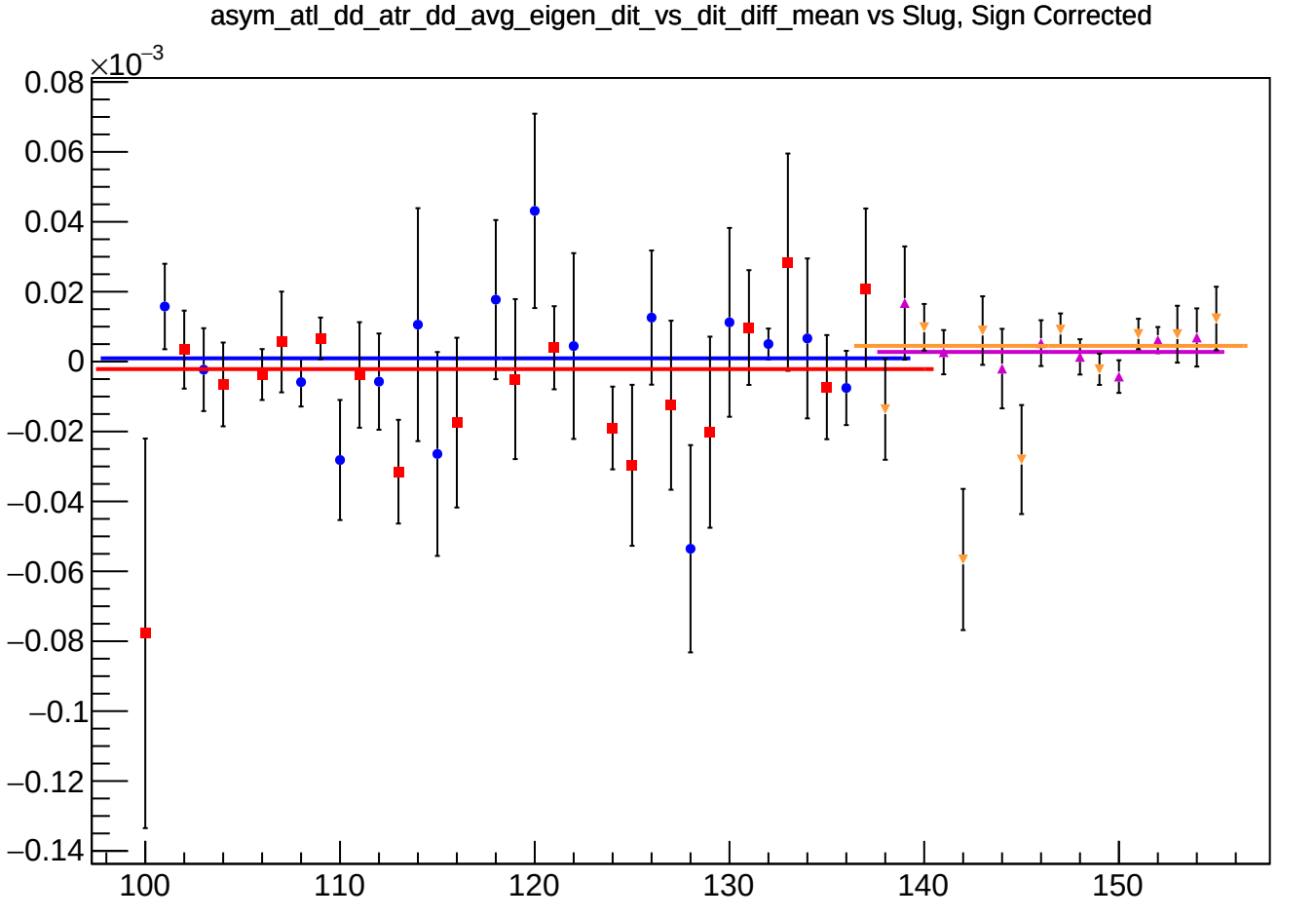
Left: 300.203+/-0.058 χ^2/NDF: 2134248.7/17

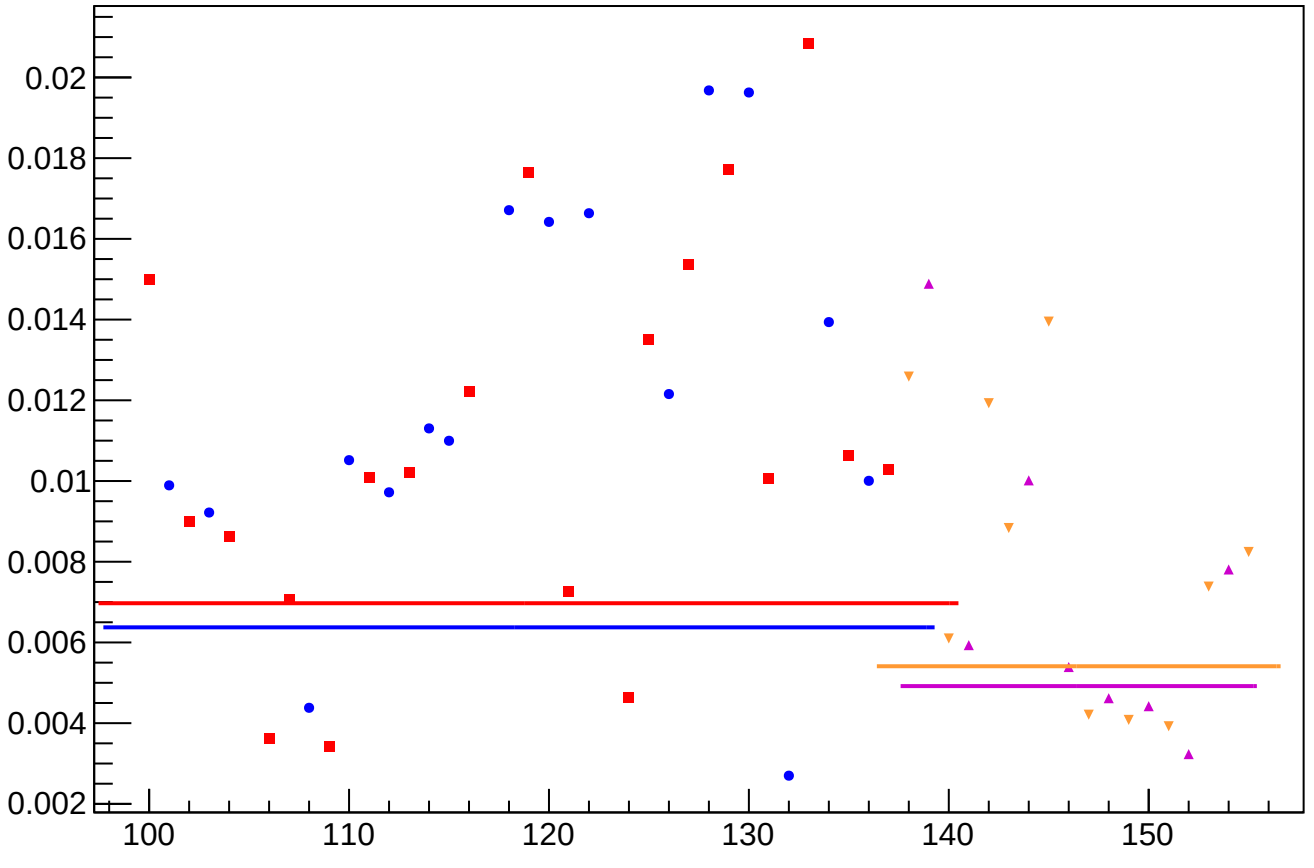
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 176.227+/-0.036 χ^2/NDF:4111129.1/23

Out: 166.085+/-0.035 χ^2/NDF:6844354.8/28

All: 170.996+/-0.025 χ^2/NDF: 10995755.9/52


asym_atl_dd_atr_dd_avg_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:20.7/9
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:4.5/7
Left: 0.000+/-0.000 χ²/NDF: 25.5/17
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:19.6/23
Out: 0.000+/-0.000 χ²/NDF:40.0/28
All: 0.000+/-0.000 χ²/NDF: 59.6/52



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2422742.1/9

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1899835.1/7

Left: 0.005+/-0.000 χ^2/NDF: 4377164.7/17

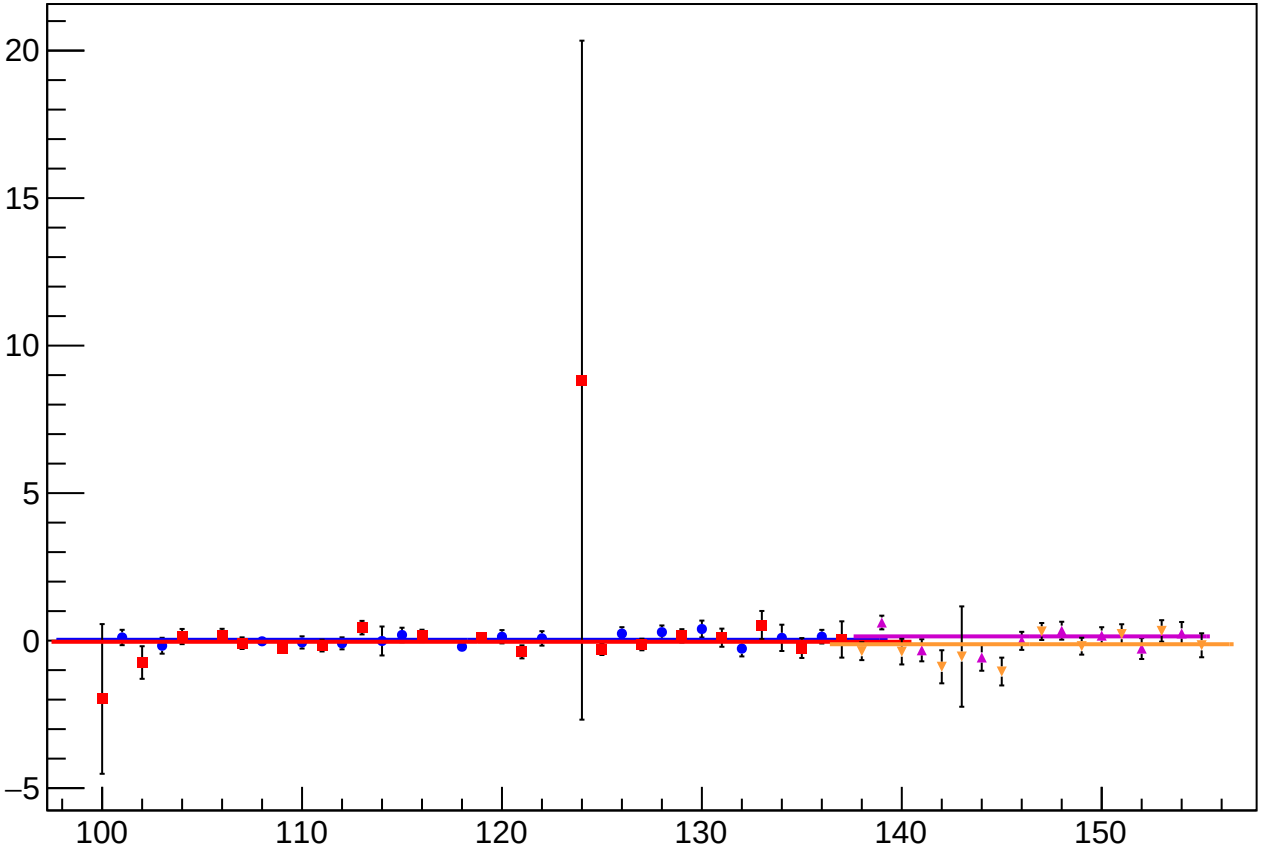
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:6868250.1/23

Out: 0.006+/-0.000 χ^2/NDF:6190932.1/28

All: 0.006+/-0.000 χ^2/NDF: 13151769.2/52

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: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.018+/-0.082 χ^2/NDF: 24.5/17

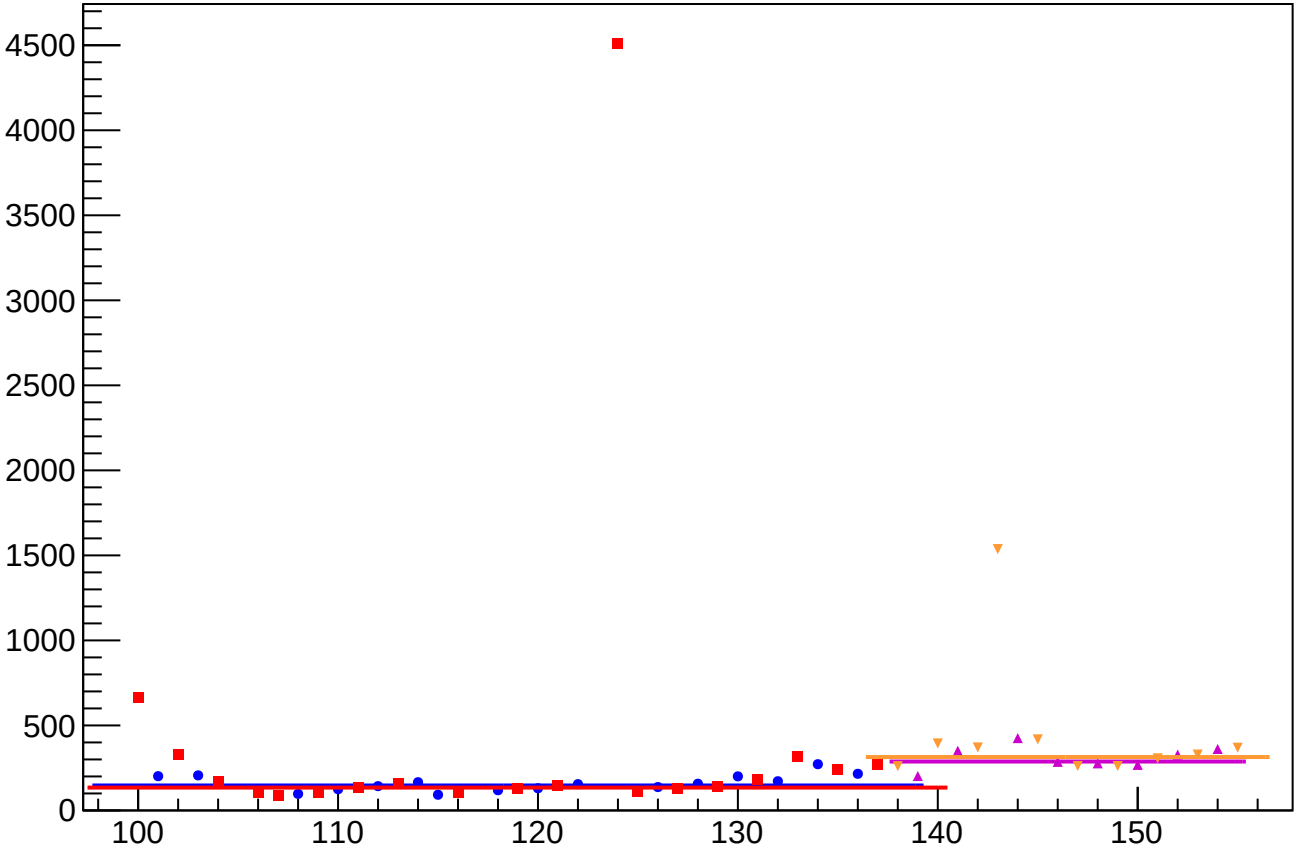
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.054+/-0.050 χ^2/NDF:32.0/28

All: -0.003+/-0.036 χ^2/NDF: 54.8/52

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: 314.099+/-0.084 χ^2/NDF:1457814.6/9

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 287.731+/-0.079 χ^2/NDF:624316.3/7

Left: 300.207+/-0.058 χ^2/NDF: 2134225.4/17

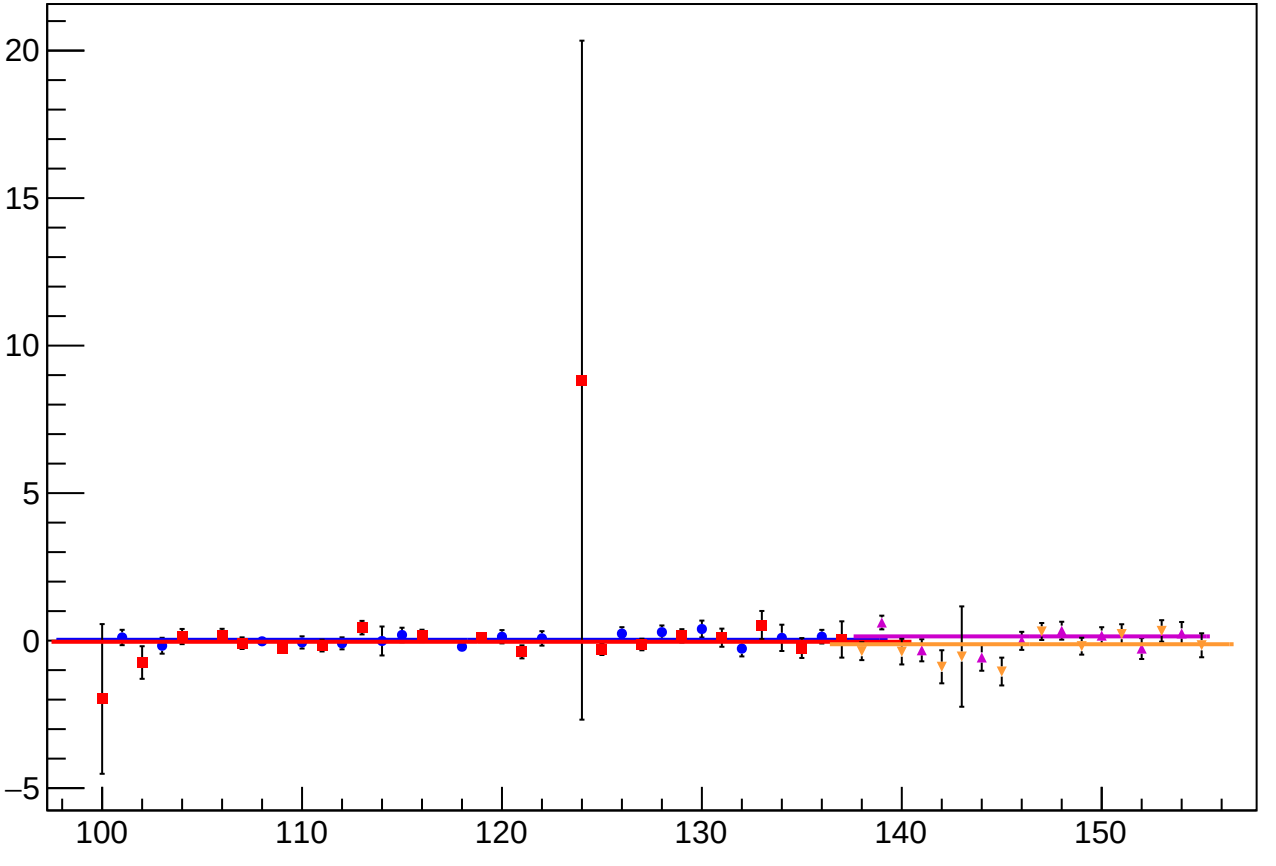
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 176.227+/-0.036 χ^2/NDF:4111141.1/23

Out: 166.087+/-0.035 χ^2/NDF:6844296.6/28

All: 170.996+/-0.025 χ^2/NDF: 10995698.6/52

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: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.018+/-0.082 χ^2/NDF: 24.5/17

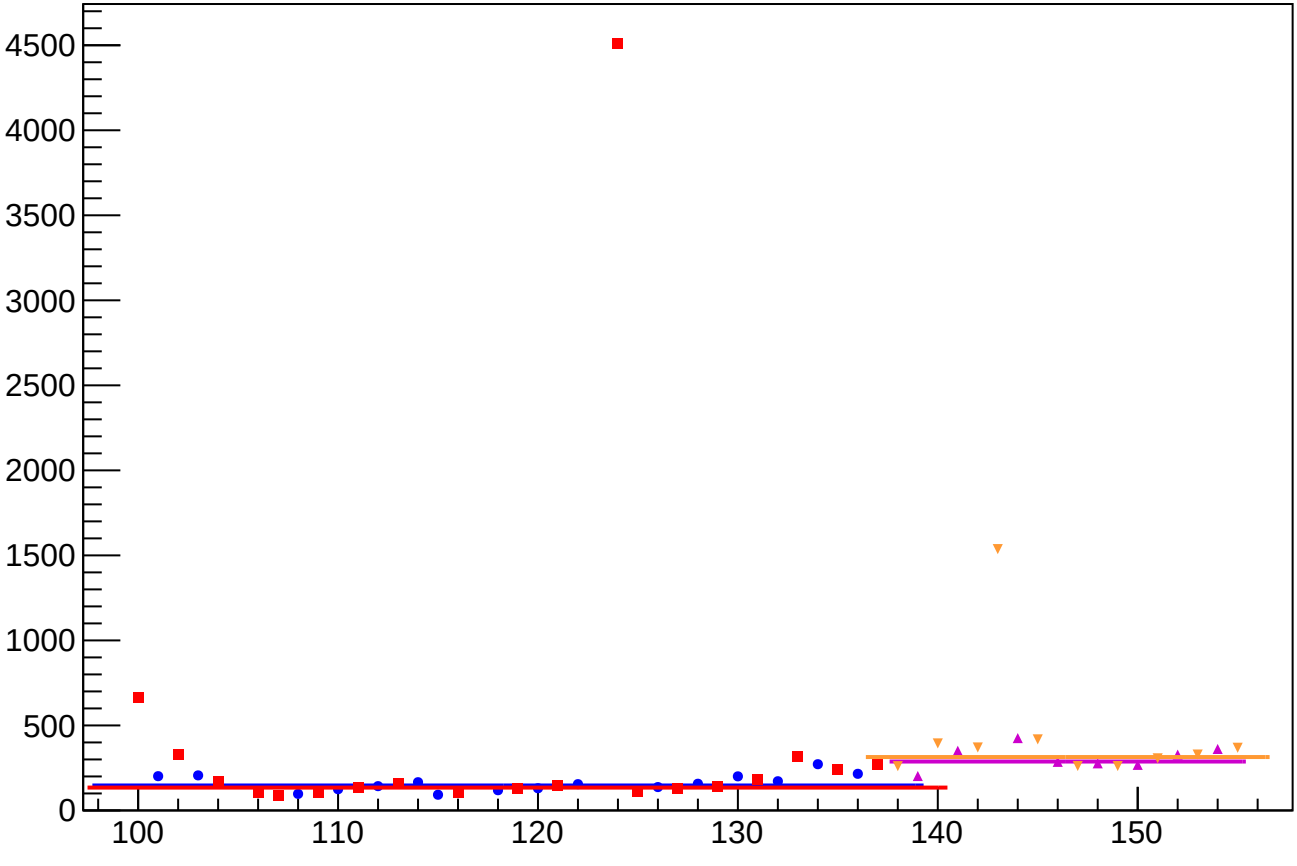
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.054+/-0.050 χ^2/NDF:32.0/28

All: -0.003+/-0.036 χ^2/NDF: 54.8/52

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: 314.099+/-0.084 χ^2/NDF:1457814.6/9

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 287.731+/-0.079 χ^2/NDF:624316.3/7

Left: 300.207+/-0.058 χ^2/NDF: 2134225.4/17

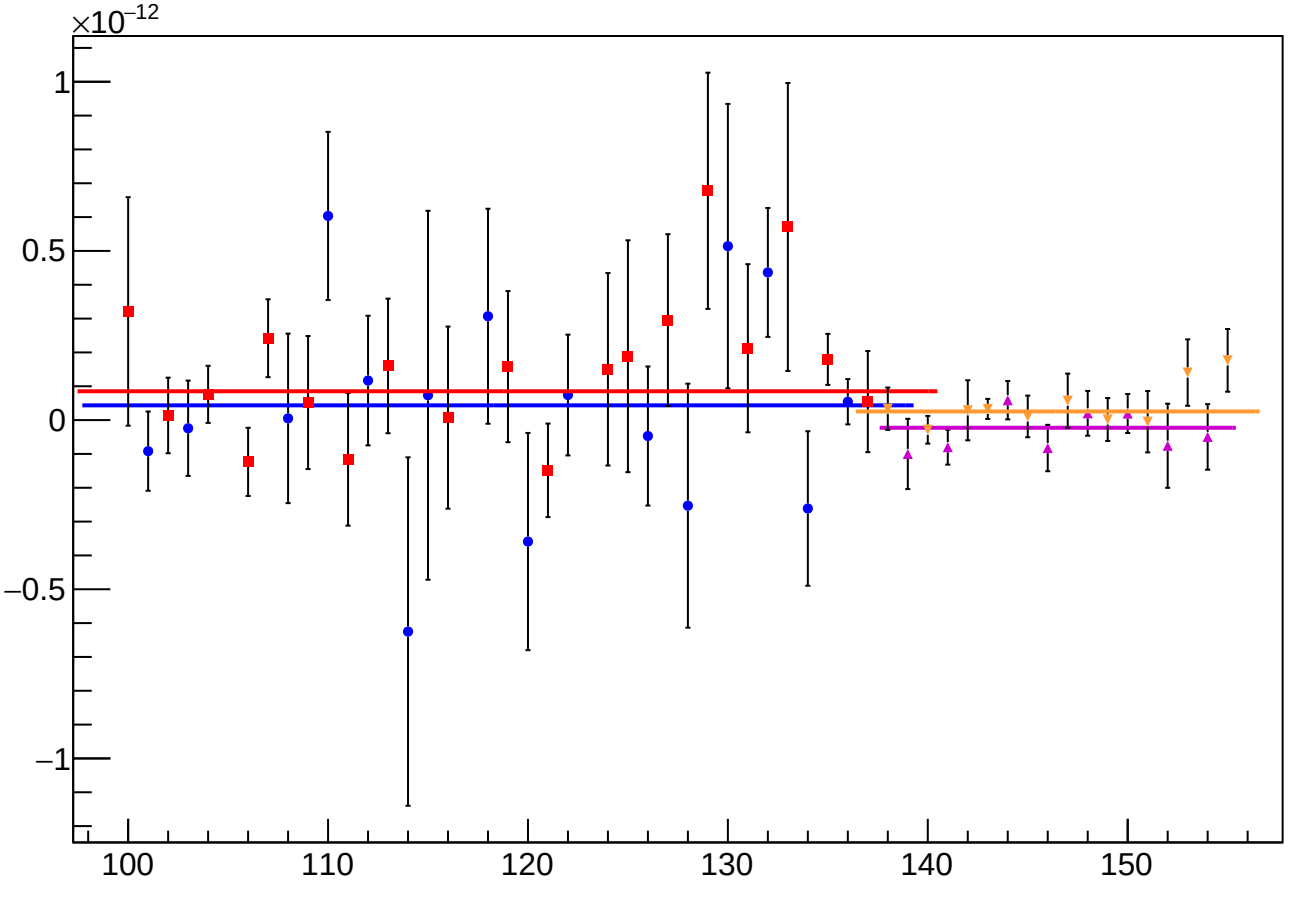
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 176.227+/-0.036 χ^2/NDF:4111141.1/23

Out: 166.087+/-0.035 χ^2/NDF:6844296.6/28

All: 170.996+/-0.025 χ^2/NDF: 10995698.6/52

asym_atl_dd_atr_dd_avg_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:6.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/7

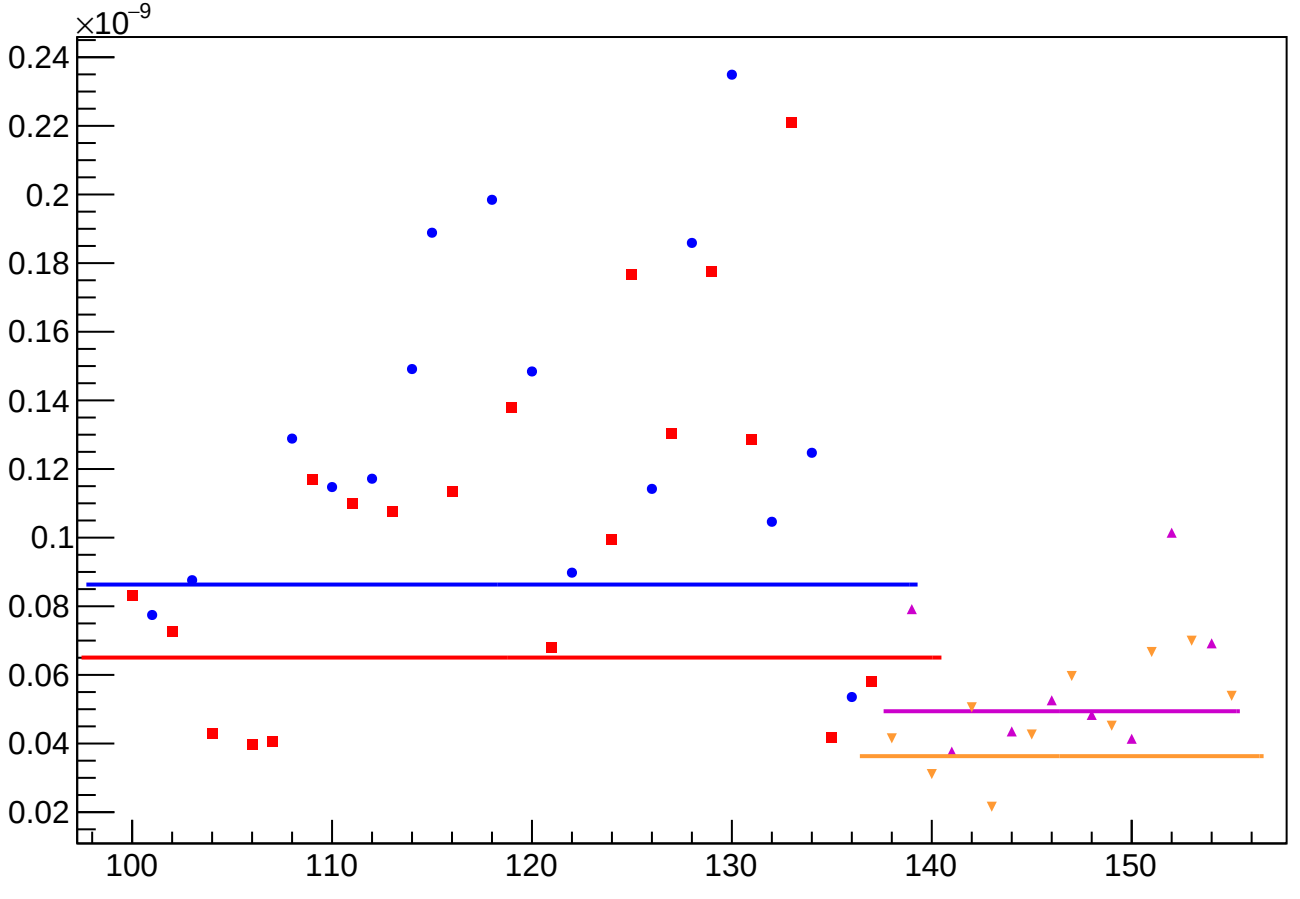
Left: 0.000+/-0.000 χ^2/NDF: 14.7/17

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.6/23

Out: 0.000+/-0.000 χ^2/NDF:26.9/28

All: 0.000+/-0.000 χ^2/NDF: 56.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1354172.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:767201.4/7

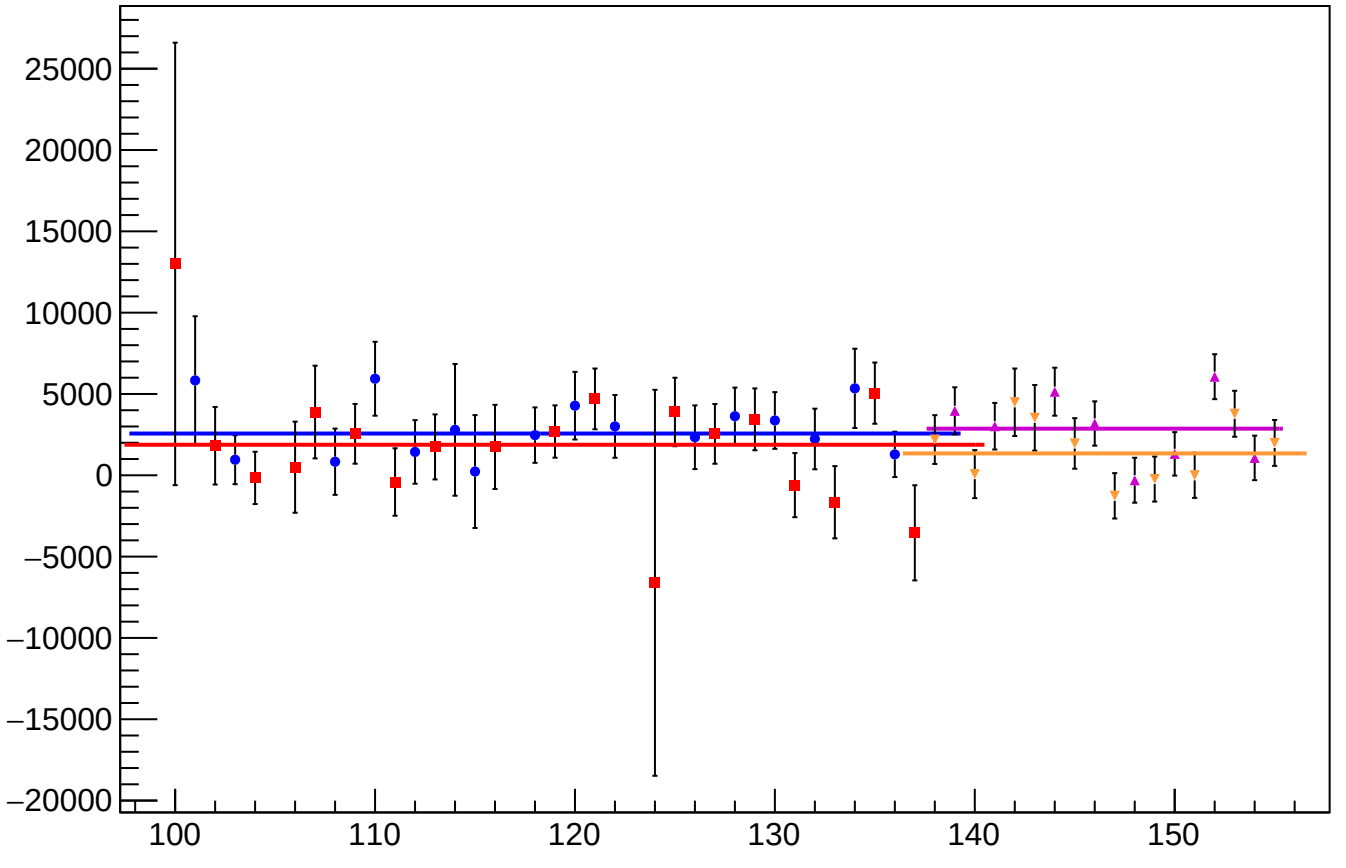
Left: 0.000+/-0.000 χ^2/NDF: 2498044.3/17

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3460936.3/23

Out: 0.000+/-0.000 χ^2/NDF:4620015.8/28

All: 0.000+/-0.000 χ^2/NDF: 8810440.0/52



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1345.093+/-479.363 χ^2/NDF:13.6/9

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2866.666+/-493.529 χ^2/NDF:16.7/7

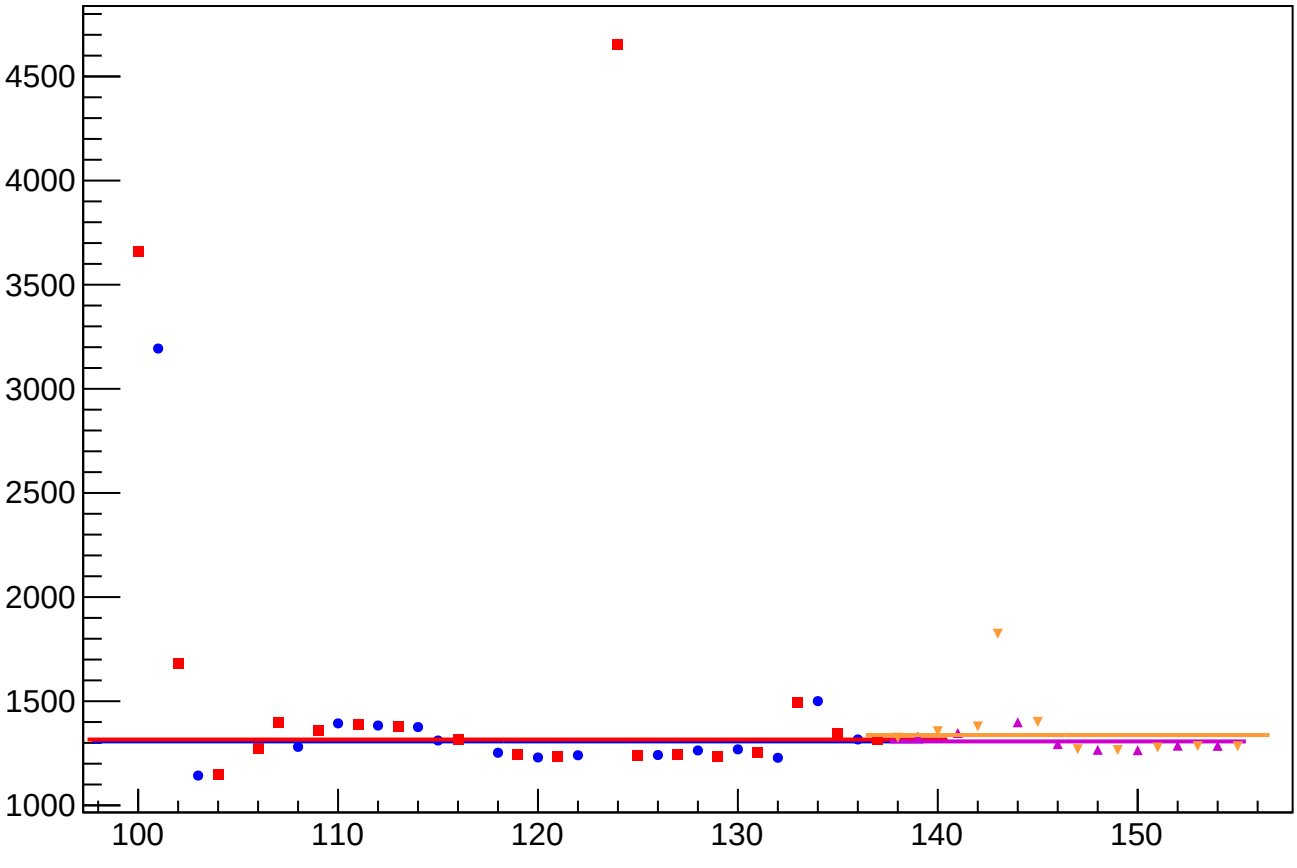
Left: 2083.729+/-343.860 χ^2/NDF: 35.2/17

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2717.618+/-349.625 χ^2/NDF:25.9/23

Out: 1603.162+/-344.262 χ^2/NDF:33.7/28

All: 2151.777+/-245.304 χ^2/NDF: 64.8/52



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1337.513+/-0.339 χ^2/NDF:140375.3/9

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1306.906+/-0.349 χ^2/NDF:14662.9/7

Left: 1322.655+/-0.243 χ^2/NDF: 158996.3/17

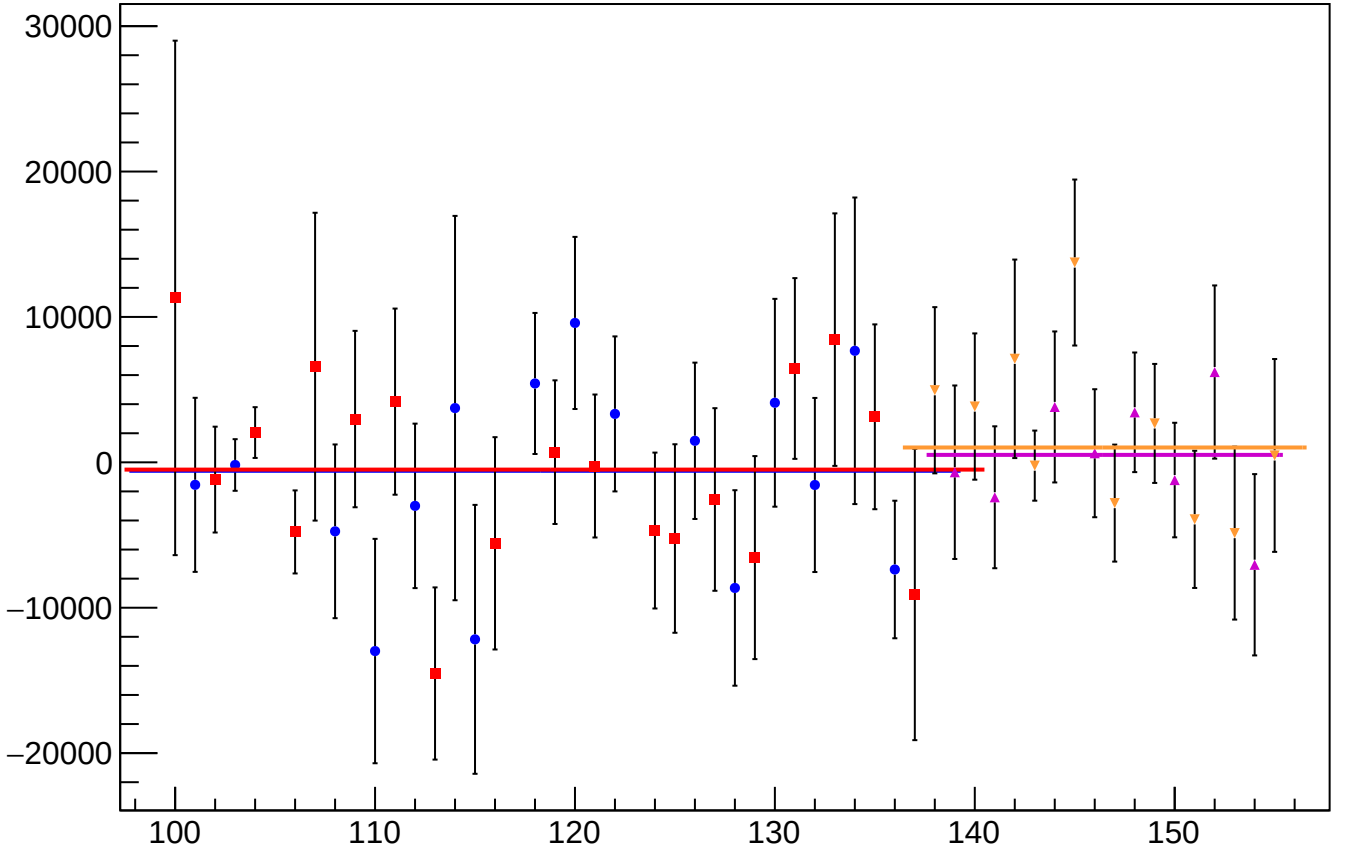
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1306.987+/-0.247 χ^2/NDF:530912.0/23

Out: 1327.066+/-0.243 χ^2/NDF:468751.6/28

All: 1317.195+/-0.173 χ^2/NDF: 1003017.2/52

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: 1020.683+/-1397.895 χ^2/NDF:10.0/9

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 511.986+/-1724.647 χ^2/NDF:3.9/7

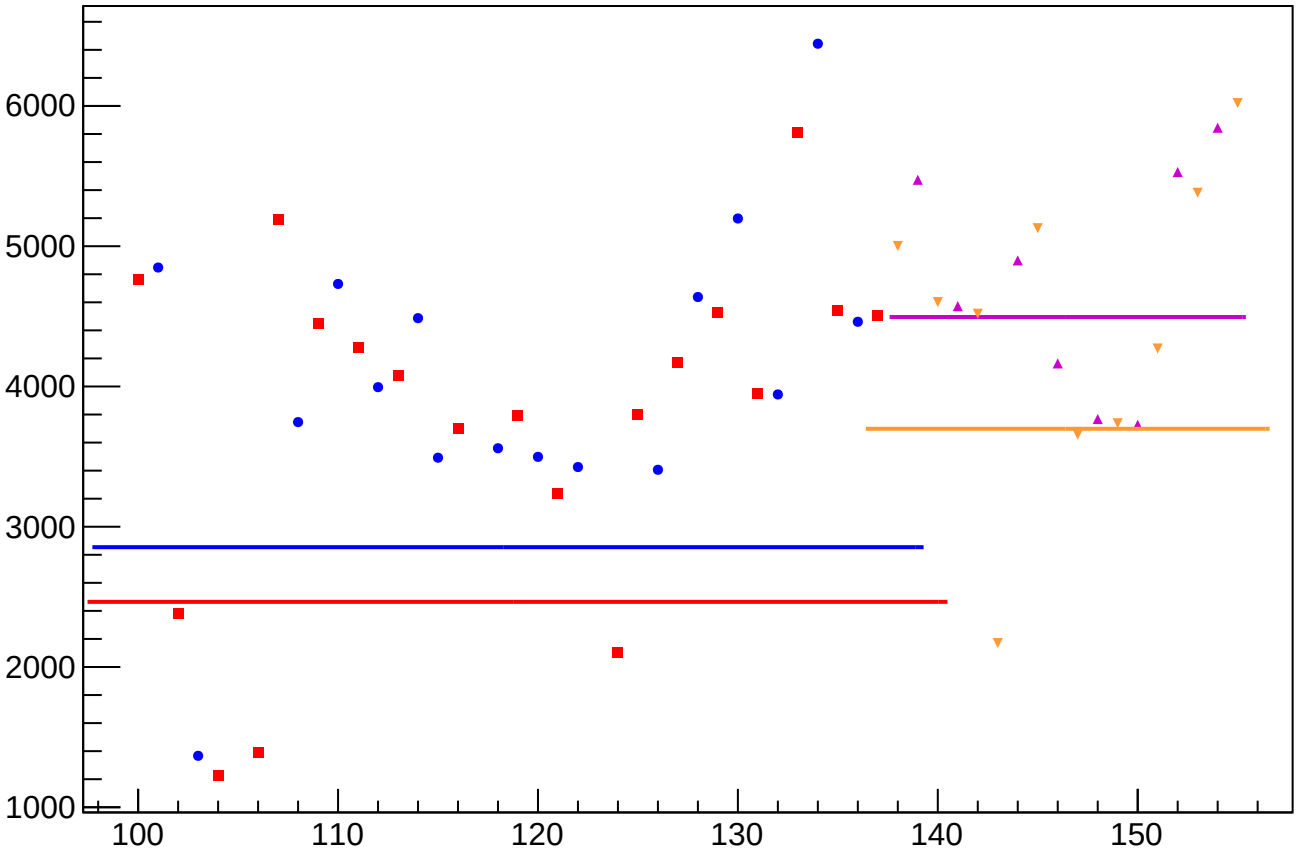
Left: 818.990+/-1085.967 χ^2/NDF: 13.9/17

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -227.858+/-981.061 χ^2/NDF:18.9/23

Out: 52.064+/-842.314 χ^2/NDF:28.4/28

All: -66.720+/-639.080 χ^2/NDF: 47.4/52



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3698.455+/-0.988 χ^2/NDF:1561217.3/9

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4495.288+/-1.220 χ^2/NDF:370201.4/7

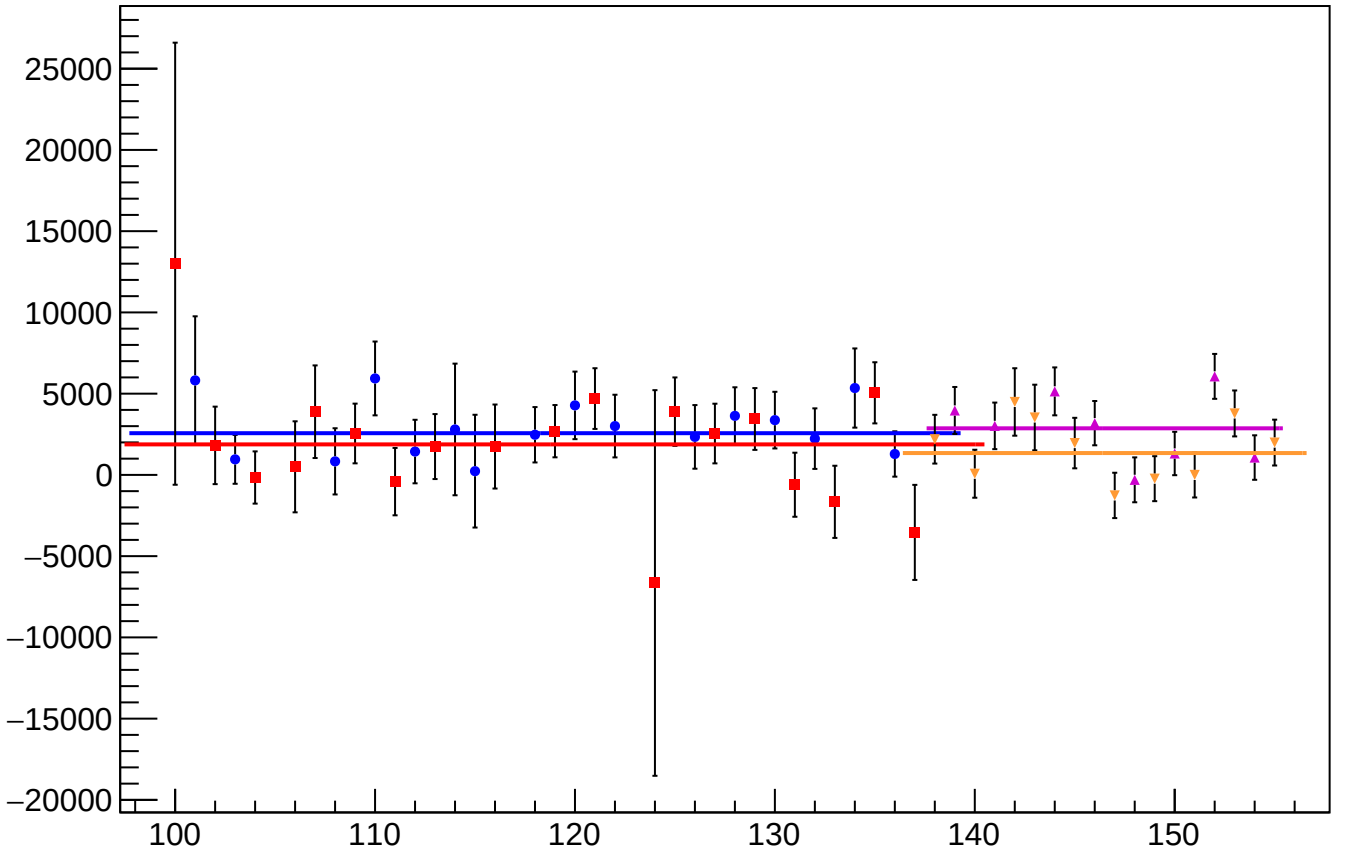
Left: 4014.391+/-0.768 χ^2/NDF: 2189079.2/17

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3385.302+/-0.694 χ^2/NDF:4499786.3/23

Out: 2912.581+/-0.596 χ^2/NDF:5909596.6/28

All: 3113.178+/-0.452 χ^2/NDF: 10676690.4/5



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1345.039+/-479.363 χ^2/NDF:13.6/9

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2866.859+/-493.529 χ^2/NDF:16.7/7

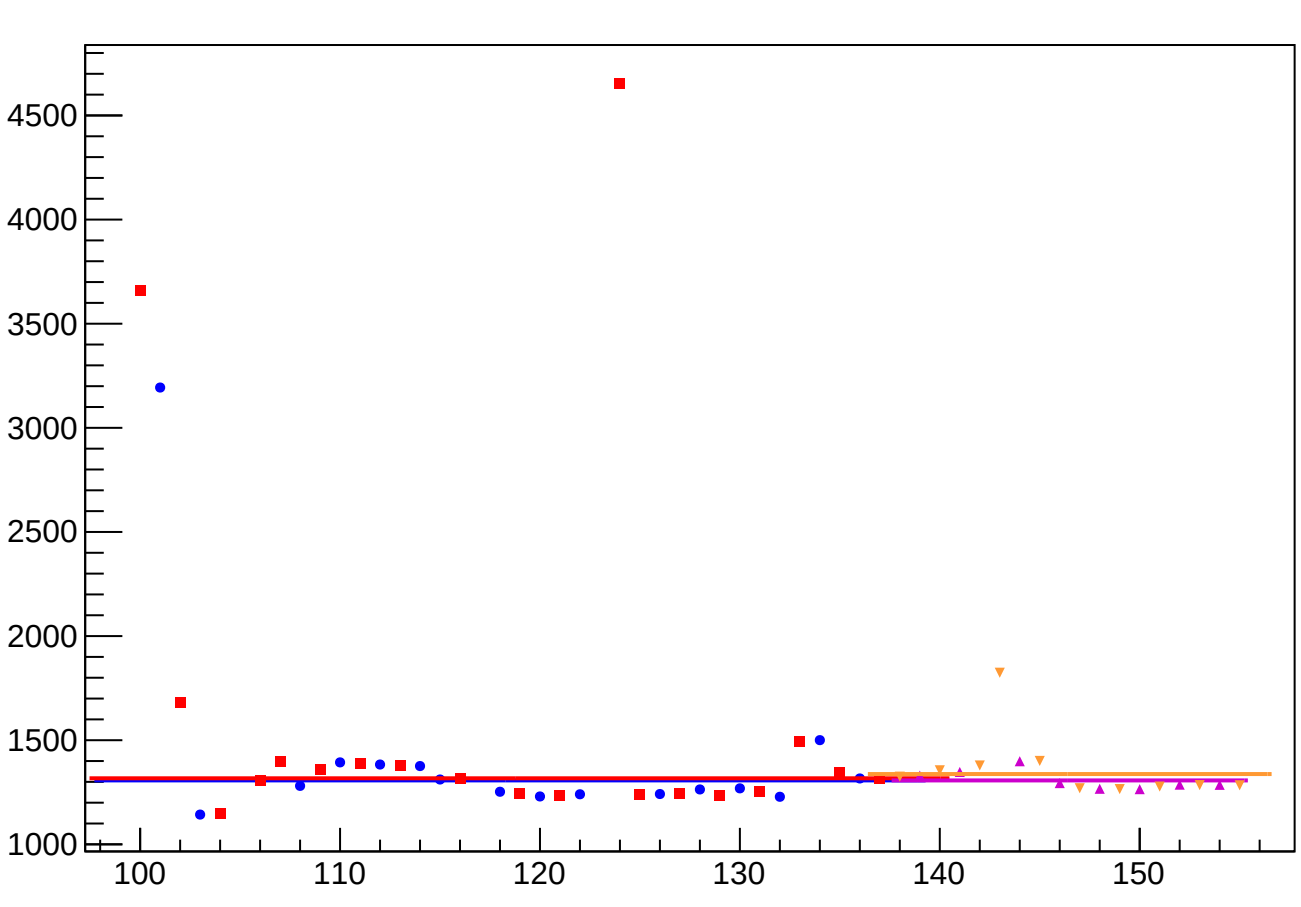
Left: 2083.795+/-343.860 χ^2/NDF: 35.2/17

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2717.575+/-349.625 χ^2/NDF:25.9/23

Out: 1603.010+/-344.262 χ^2/NDF:33.7/28

All: 2151.679+/-245.304 χ^2/NDF: 64.8/52



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1337.513+/-0.339 χ^2/NDF:140375.3/9

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1306.906+/-0.349 χ^2/NDF:14662.9/7

Left: 1322.655+/-0.243 χ^2/NDF: 158996.3/17

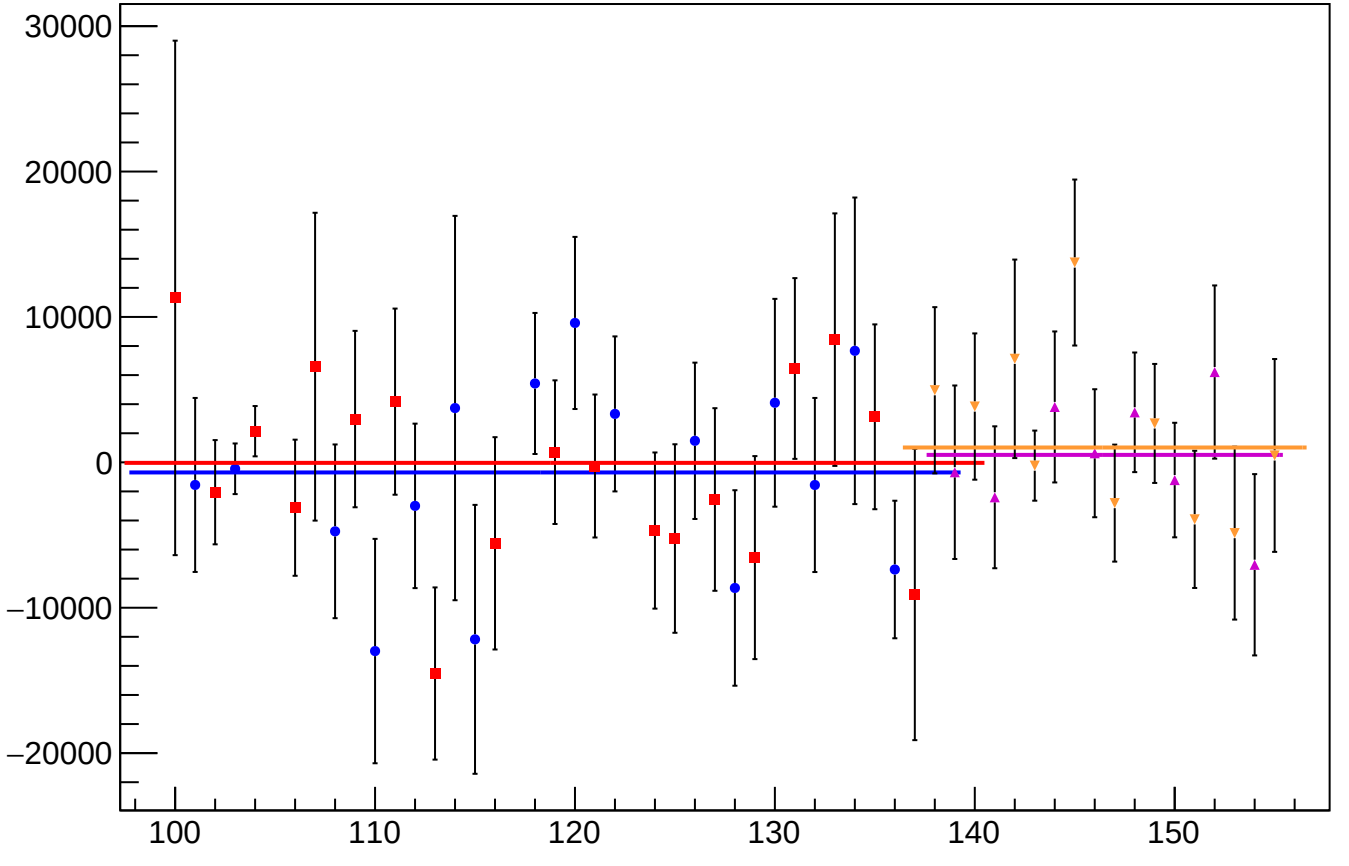
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1306.987+/-0.247 χ^2/NDF:530913.5/23

Out: 1327.622+/-0.243 χ^2/NDF:468056.9/28

All: 1317.474+/-0.173 χ^2/NDF: 1002511.2/52

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: 1020.641+/-1397.887 χ^2/NDF:10.0/9

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 512.076+/-1724.647 χ^2/NDF:3.9/7

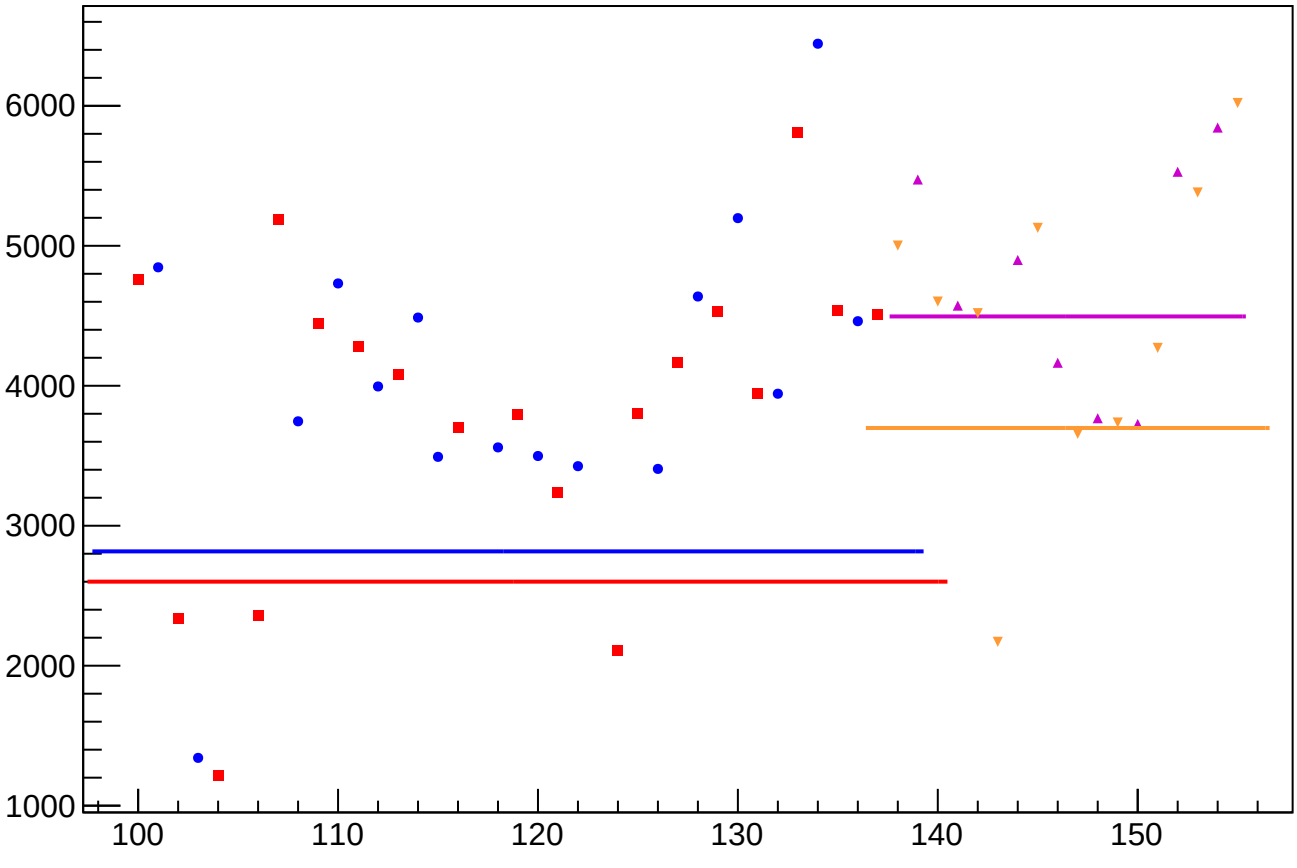
Left: 819.001+/-1085.963 χ^2/NDF: 13.9/17

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -309.201+/-975.235 χ^2/NDF:18.9/23

Out: 367.192+/-863.580 χ^2/NDF:26.3/28

All: 69.916+/-646.531 χ^2/NDF: 45.4/52



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3698.430+/-0.988 χ^2/NDF:1561266.5/9

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4495.287+/-1.220 χ^2/NDF:370203.1/7

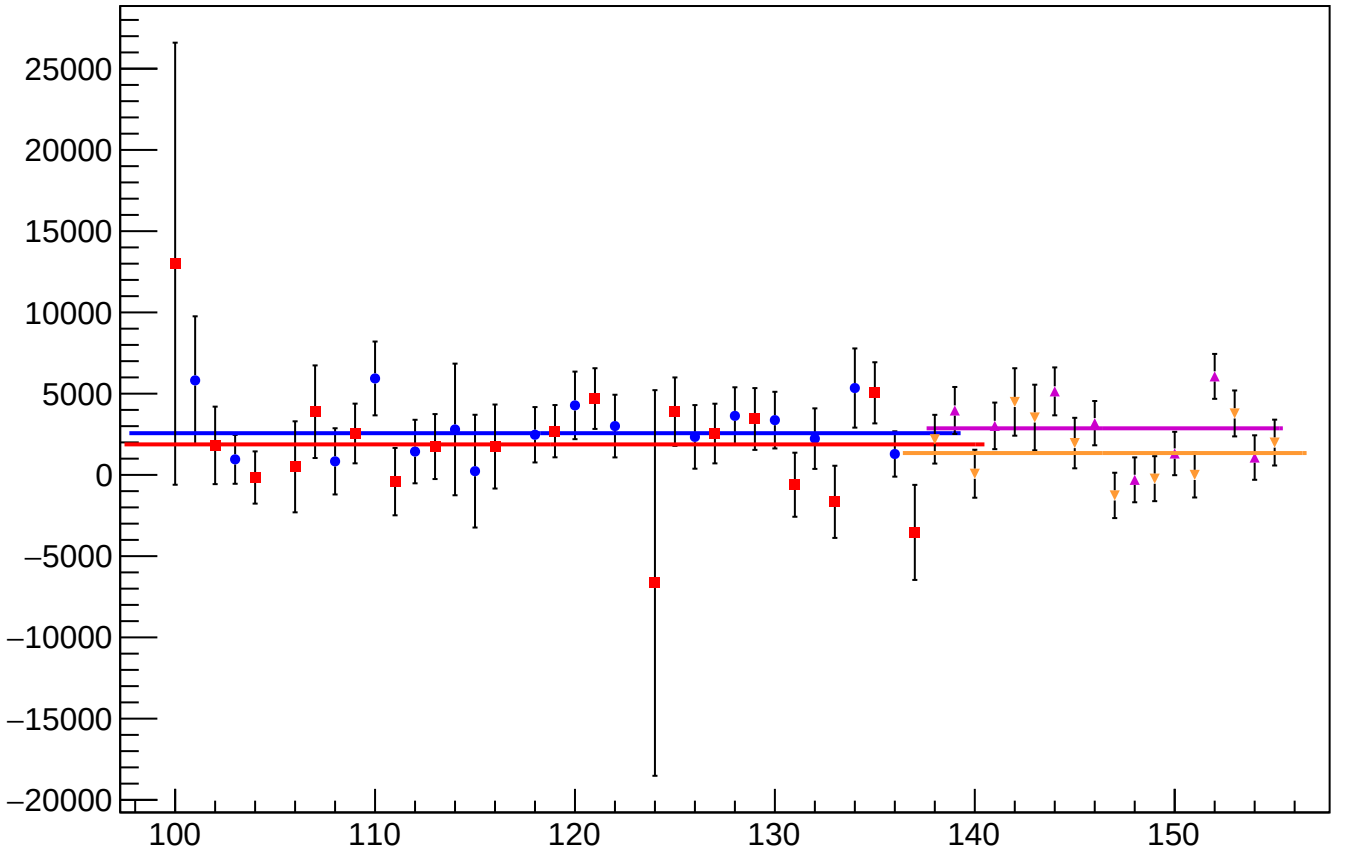
Left: 4014.374+/-0.768 χ^2/NDF: 2189146.9/17

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3353.494+/-0.690 χ^2/NDF:4666434.9/23

Out: 3019.536+/-0.611 χ^2/NDF:5404911.9/28

All: 3166.311+/-0.457 χ^2/NDF: 10202799.5/5



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1345.039+/-479.363 χ^2/NDF:13.6/9

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2866.859+/-493.529 χ^2/NDF:16.7/7

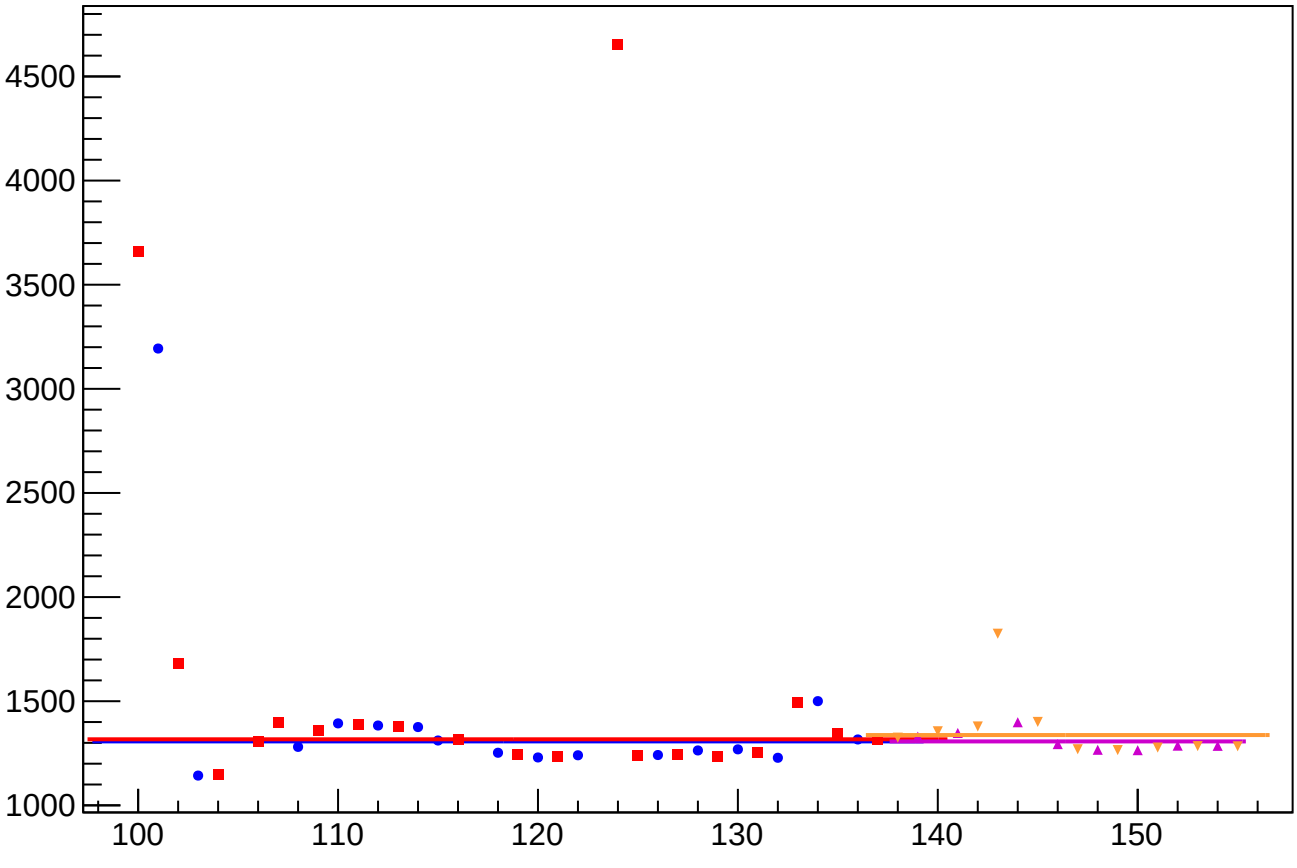
Left: 2083.795+/-343.860 χ^2/NDF: 35.2/17

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2717.575+/-349.625 χ^2/NDF:25.9/23

Out: 1603.010+/-344.262 χ^2/NDF:33.7/28

All: 2151.679+/-245.304 χ^2/NDF: 64.8/52



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1337.513+/-0.339 χ^2/NDF:140375.3/9

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1306.906+/-0.349 χ^2/NDF:14662.9/7

Left: 1322.655+/-0.243 χ^2/NDF: 158996.3/17

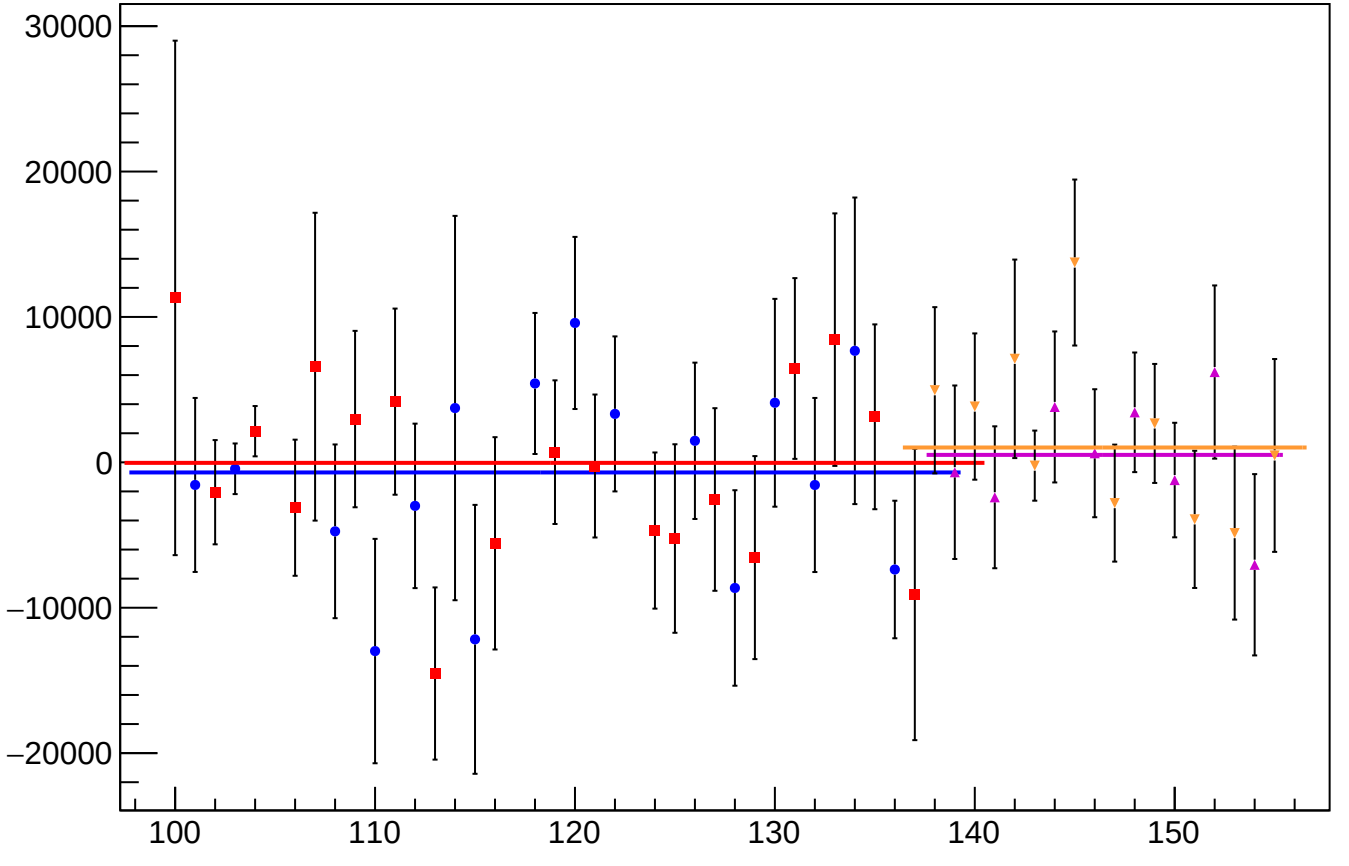
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1306.987+/-0.247 χ^2/NDF:530913.5/23

Out: 1327.622+/-0.243 χ^2/NDF:468056.9/28

All: 1317.474+/-0.173 χ^2/NDF: 1002511.2/52

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: 1020.641+/-1397.887 χ^2/NDF:10.0/9

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 512.076+/-1724.647 χ^2/NDF:3.9/7

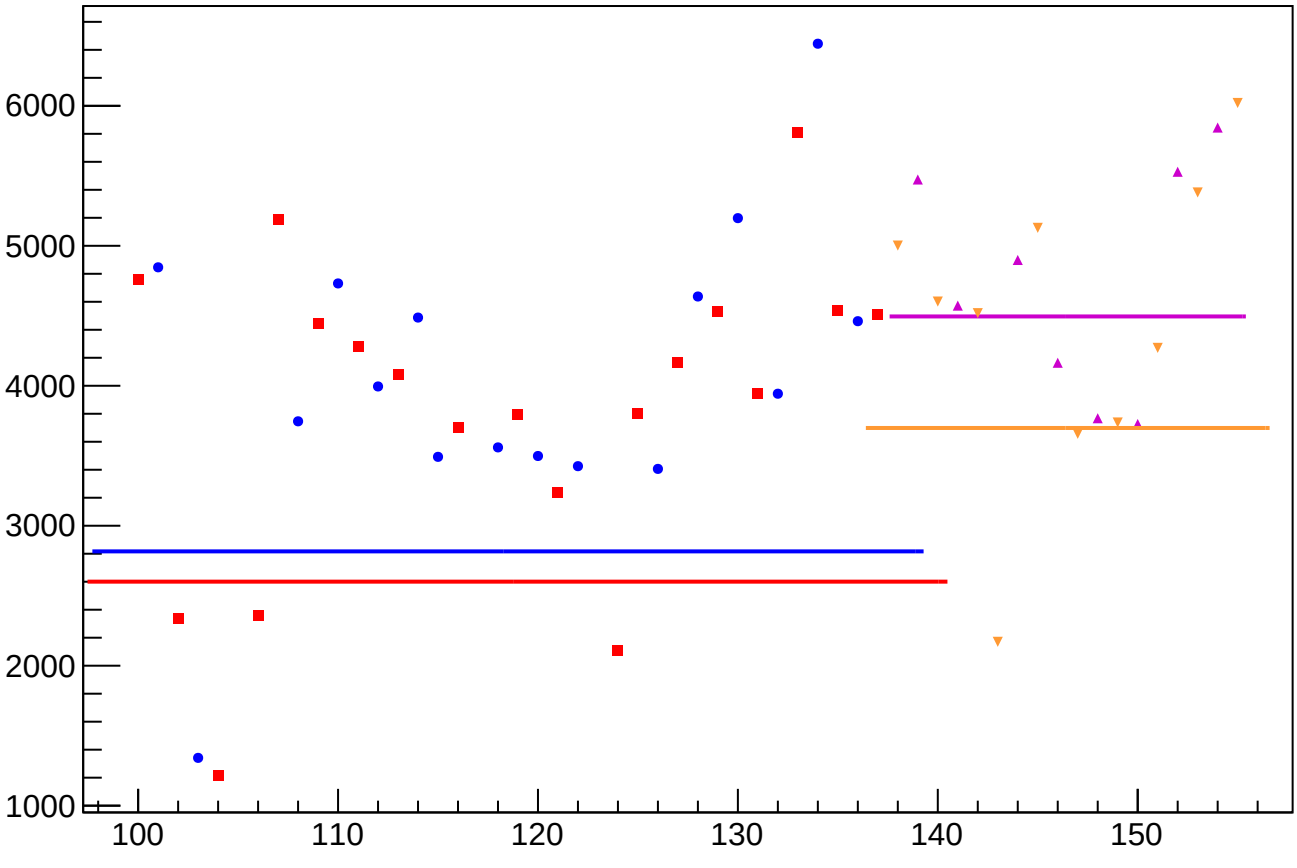
Left: 819.001+/-1085.963 χ^2/NDF: 13.9/17

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -309.201+/-975.235 χ^2/NDF:18.9/23

Out: 367.192+/-863.580 χ^2/NDF:26.3/28

All: 69.916+/-646.531 χ^2/NDF: 45.4/52



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3698.430+/-0.988 χ^2/NDF:1561266.5/9

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4495.287+/-1.220 χ^2/NDF:370203.1/7

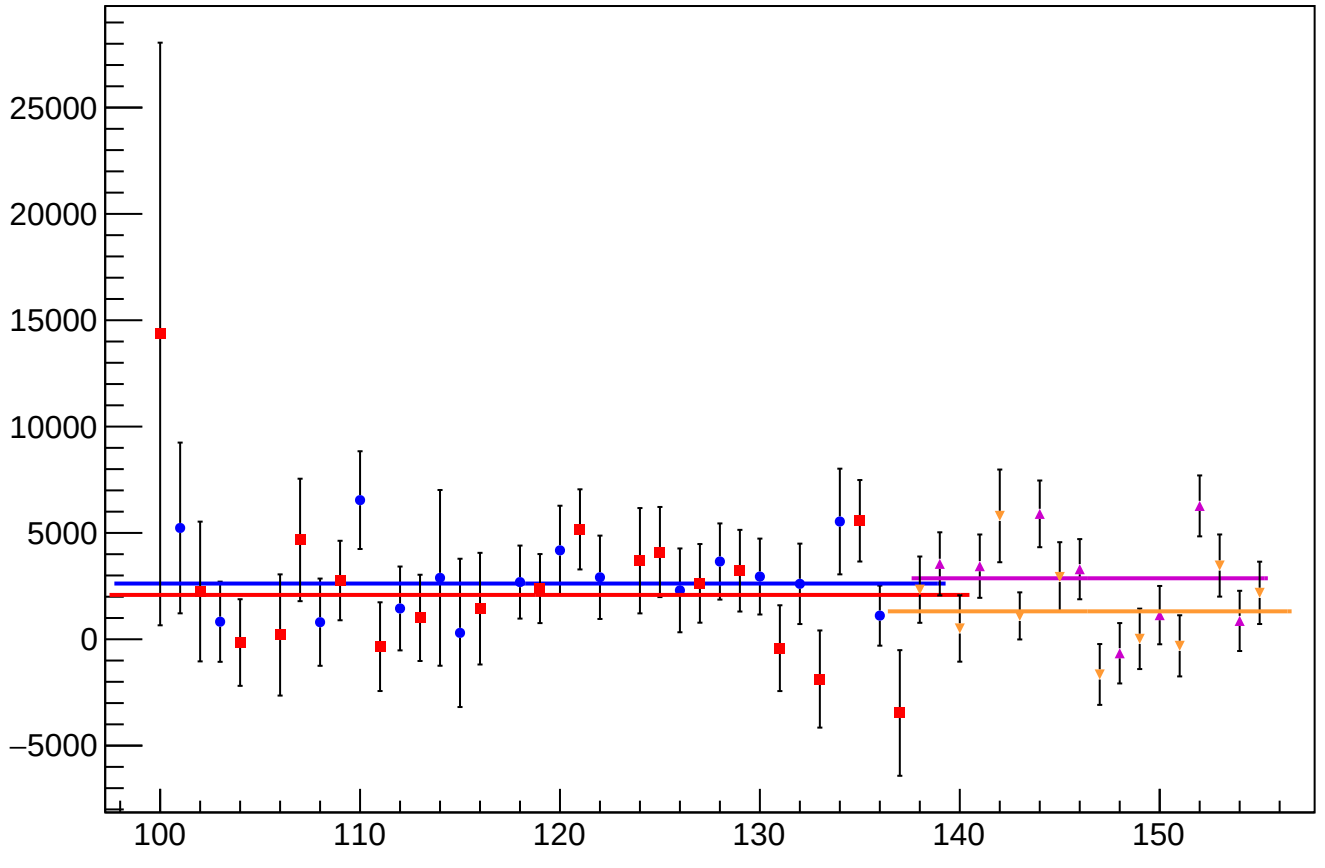
Left: 4014.374+/-0.768 χ^2/NDF: 2189146.9/17

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3353.494+/-0.690 χ^2/NDF:4666434.9/23

Out: 3019.536+/-0.611 χ^2/NDF:5404911.9/28

All: 3166.311+/-0.457 χ^2/NDF: 10202799.5/5



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1313.545+/-465.045 χ^2/NDF:14.9/9

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2867.702+/-511.119 χ^2/NDF:19.6/7

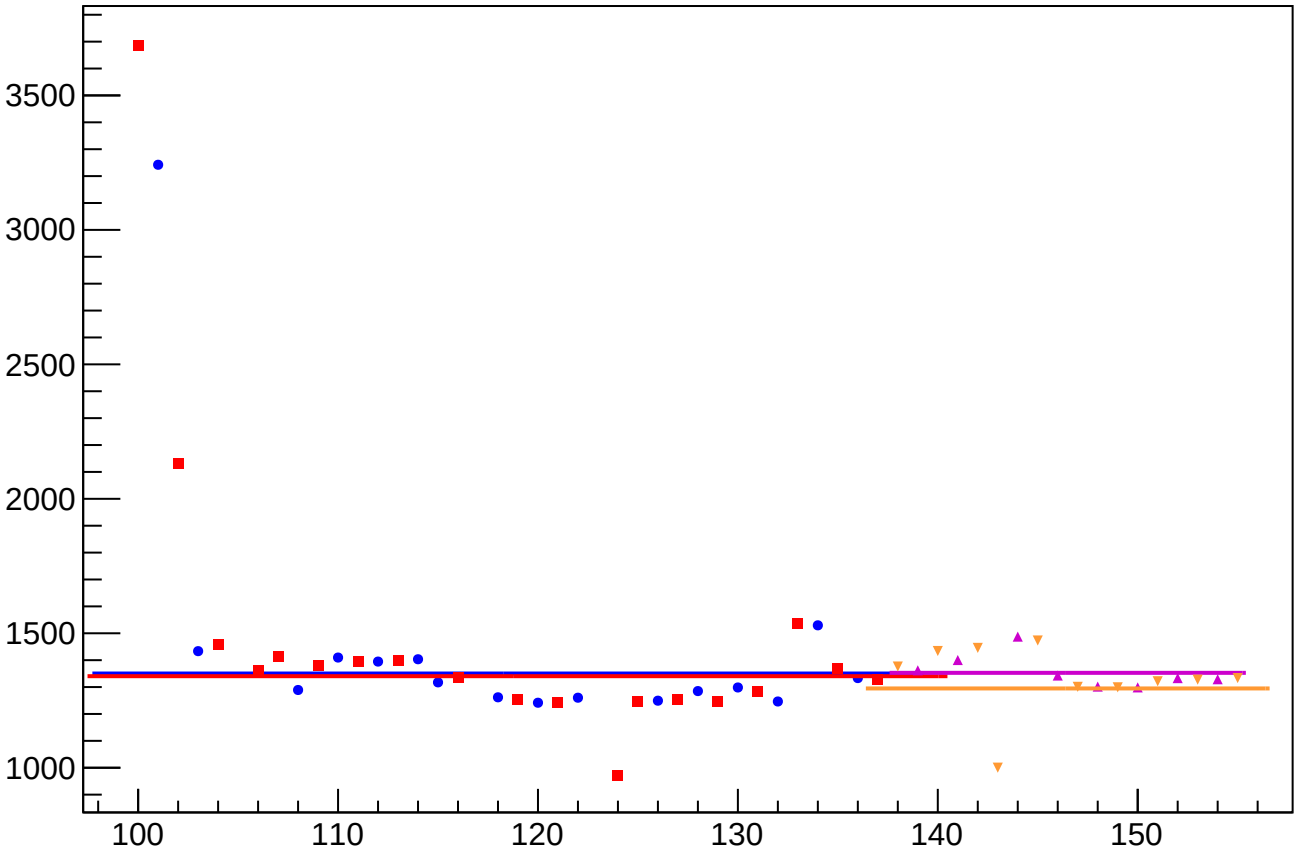
Left: 2017.433+/-343.974 χ^2/NDF: 39.5/17

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2744.213+/-361.554 χ^2/NDF:29.0/23

Out: 1667.926+/-342.051 χ^2/NDF:37.1/28

All: 2176.260+/-248.475 χ^2/NDF: 70.8/52



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1294.863+/-0.329 χ^2/NDF:199409.0/9

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1352.885+/-0.361 χ^2/NDF:23637.0/7

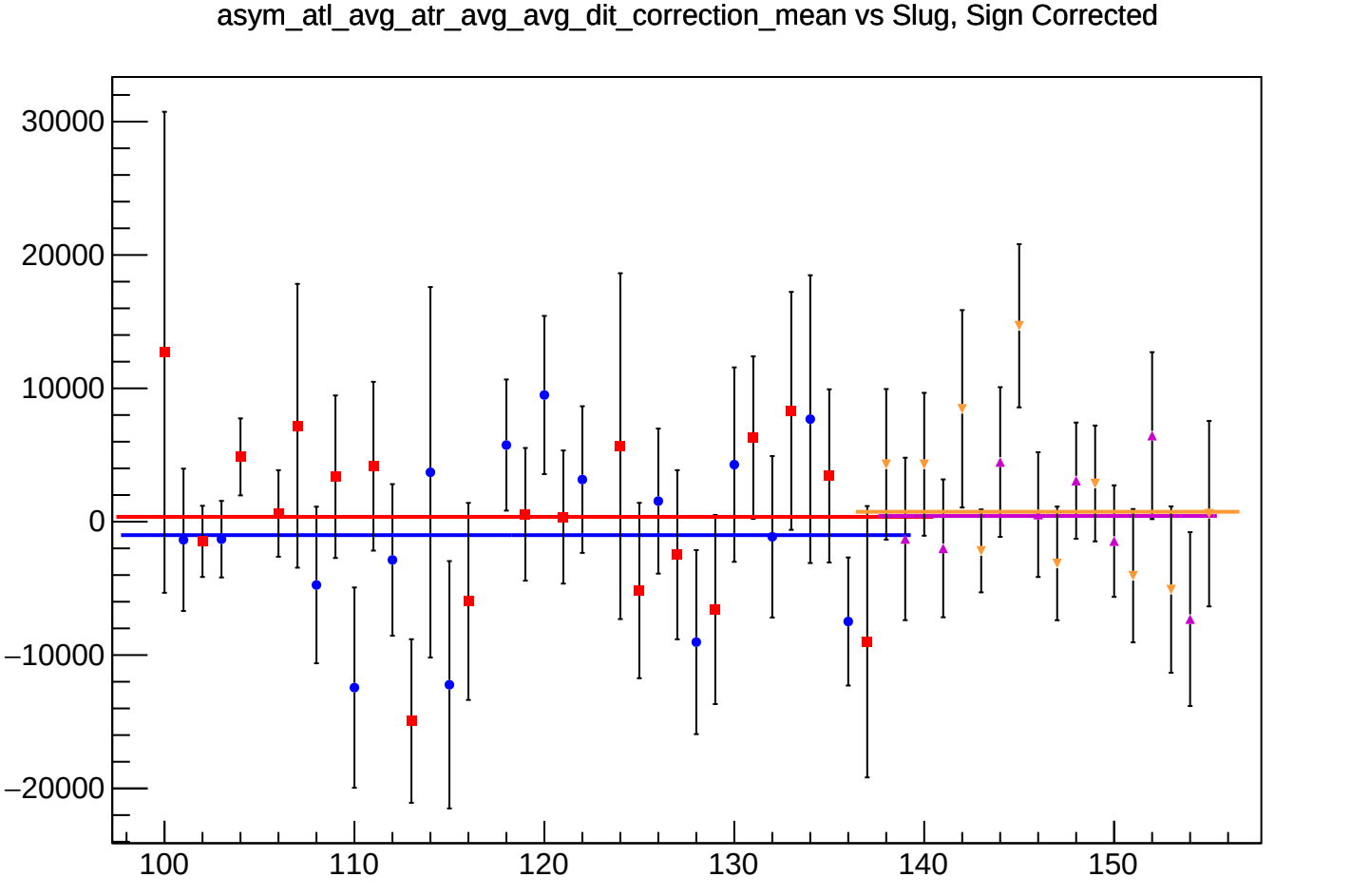
Left: 1321.142+/-0.243 χ^2/NDF: 237146.7/17

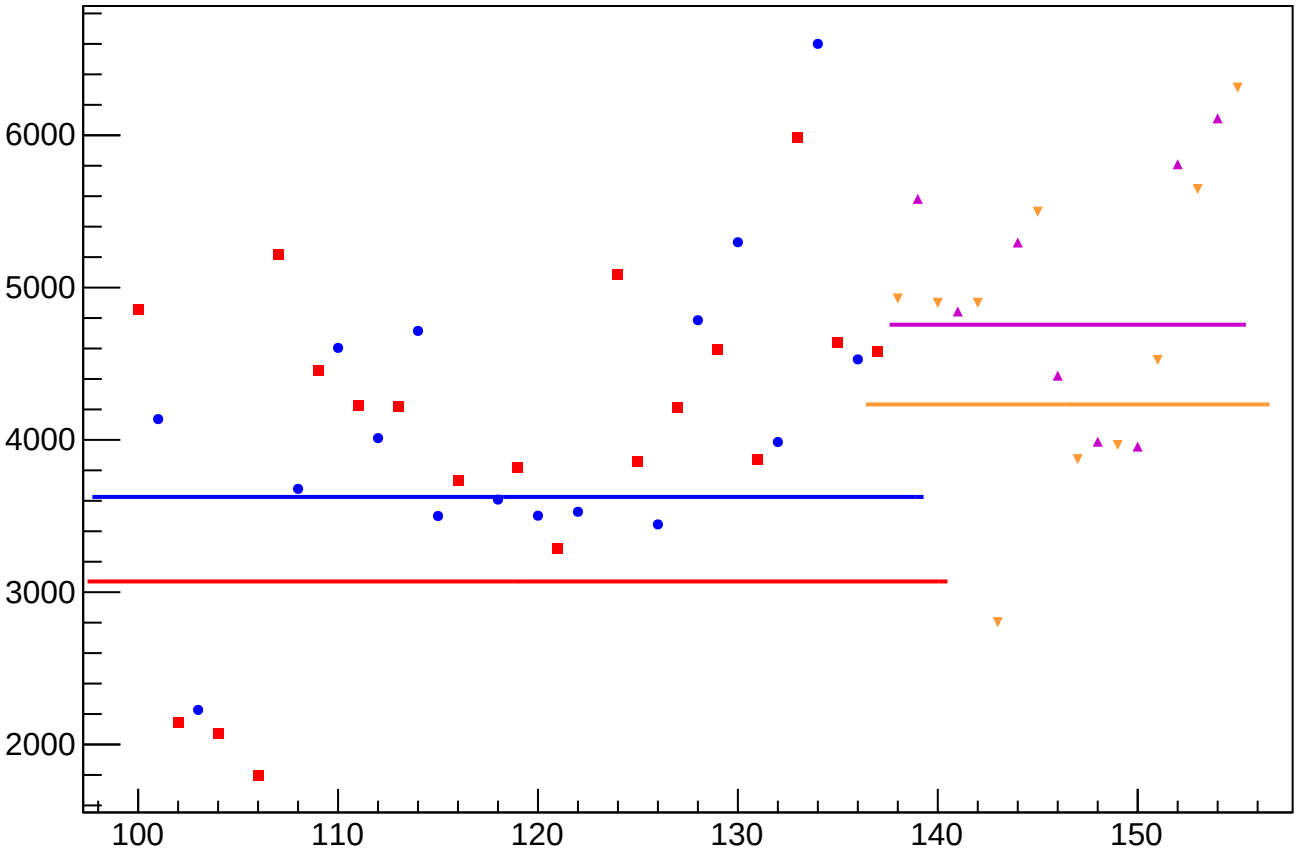
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1351.628+/-0.256 χ^2/NDF:517712.3/23

Out: 1315.792+/-0.242 χ^2/NDF:480411.7/28

All: 1332.712+/-0.176 χ^2/NDF: 1008495.2/52


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: 745.162+/-1563.063 χ²/NDF:10.9/9
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 429.299+/-1823.221 χ²/NDF:3.7/7
Left: 611.355+/-1186.669 χ²/NDF: 14.6/17
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -471.957+/-1112.623 χ²/NDF:18.7/23
Out: 506.027+/-953.087 χ²/NDF:27.1/28
All: 92.117+/-723.827 χ²/NDF: 46.3/52



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4232.776+/-1.105 χ^2/NDF:897105.8/9

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4756.197+/-1.289 χ^2/NDF:344715.3/7

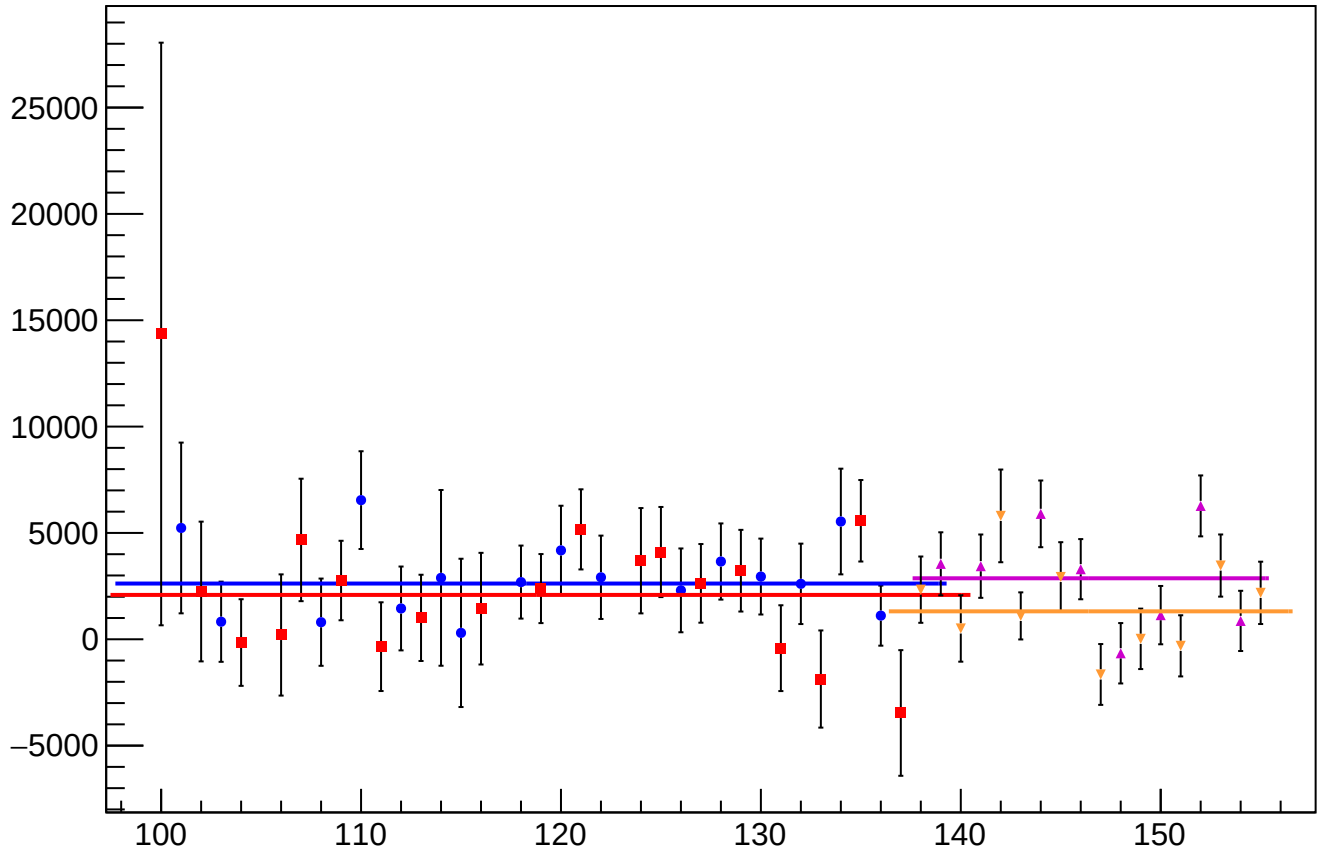
Left: 4454.510+/-0.839 χ^2/NDF: 1336829.0/17

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4046.587+/-0.787 χ^2/NDF:1772360.6/23

Out: 3502.601+/-0.674 χ^2/NDF:3430525.4/28

All: 3732.830+/-0.512 χ^2/NDF: 5478634.7/52



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1313.544+/-465.046 χ^2/NDF:14.9/9

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2867.700+/-511.119 χ^2/NDF:19.6/7

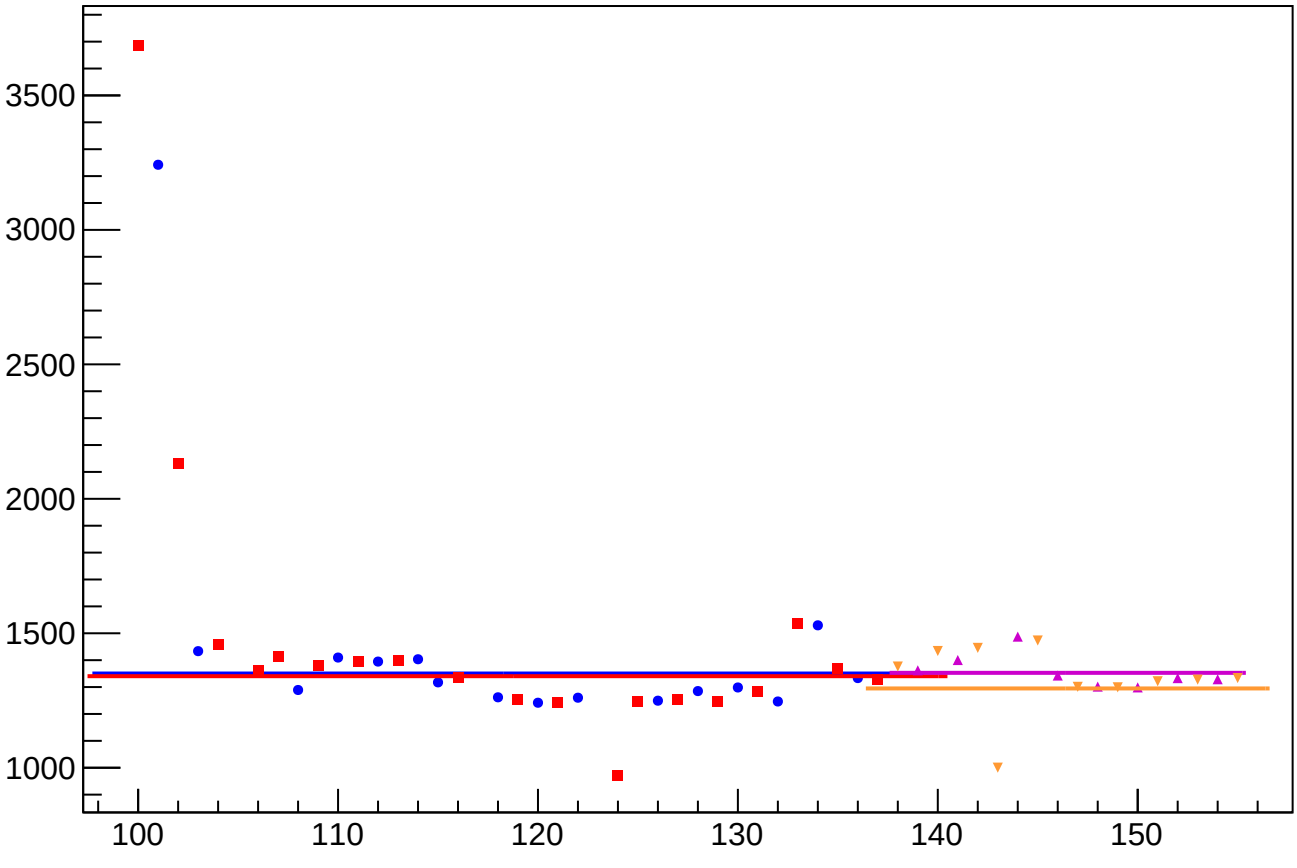
Left: 2017.432+/-343.975 χ^2/NDF: 39.5/17

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2744.212+/-361.554 χ^2/NDF:29.0/23

Out: 1667.927+/-342.052 χ^2/NDF:37.1/28

All: 2176.260+/-248.476 χ^2/NDF: 70.8/52



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1294.864+/-0.329 χ^2/NDF:199409.3/9

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1352.886+/-0.361 χ^2/NDF:23637.3/7

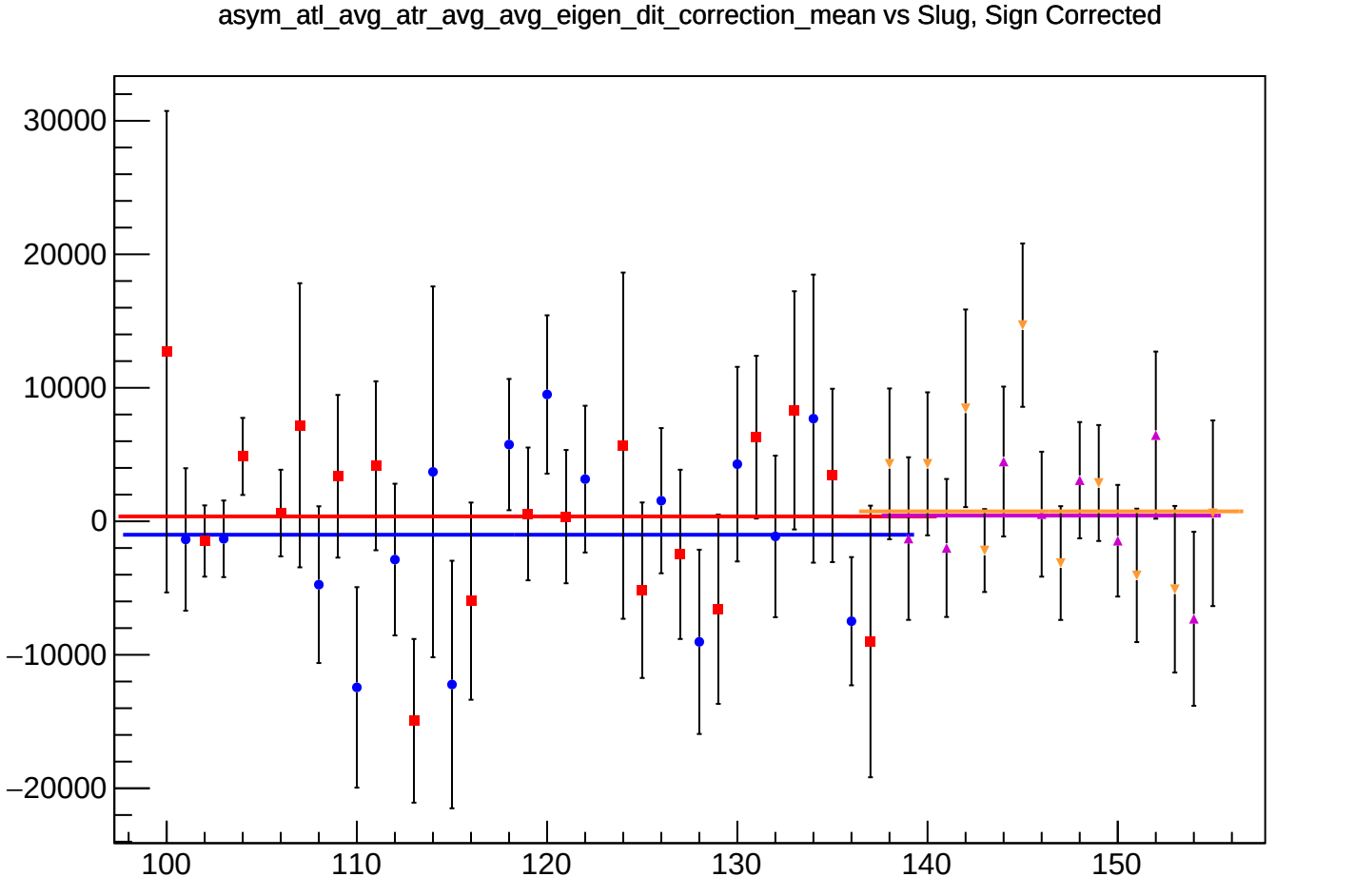
Left: 1321.143+/-0.243 χ^2/NDF: 237147.2/17

Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

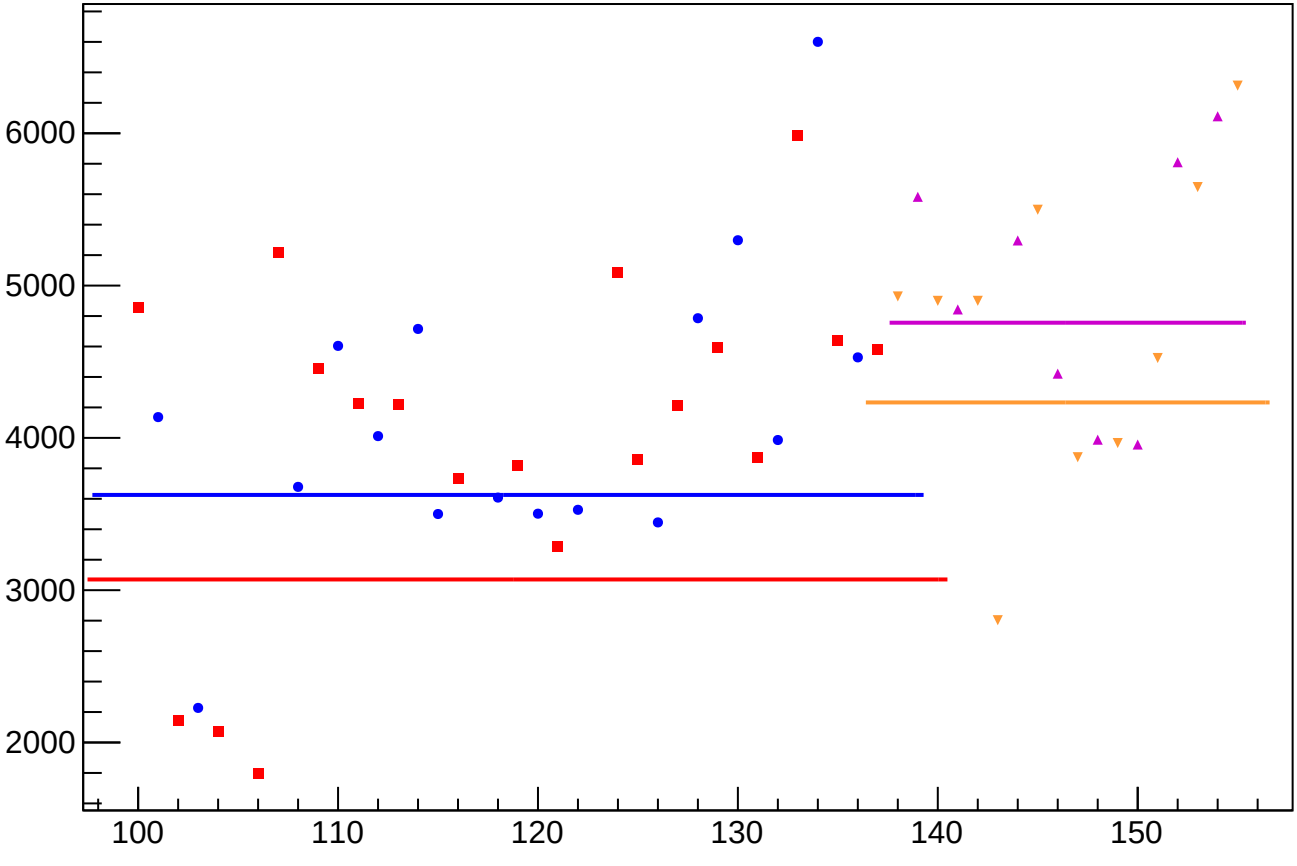
In: 1351.629+/-0.256 χ^2/NDF:517712.7/23

Out: 1315.792+/-0.242 χ^2/NDF:480410.4/28

All: 1332.713+/-0.176 χ^2/NDF: 1008494.2/52


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: 745.158+/-1563.065 χ²/NDF:10.9/9
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 429.296+/-1823.224 χ²/NDF:3.7/7
Left: 611.352+/-1186.671 χ²/NDF: 14.6/17
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -471.955+/-1112.622 χ²/NDF:18.7/23
Out: 506.026+/-953.086 χ²/NDF:27.1/28
All: 92.118+/-723.826 χ²/NDF: 46.3/52

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4232.782+/-1.105 χ^2/NDF:897105.3/9

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 4756.203+/-1.289 χ^2/NDF:344715.8/7

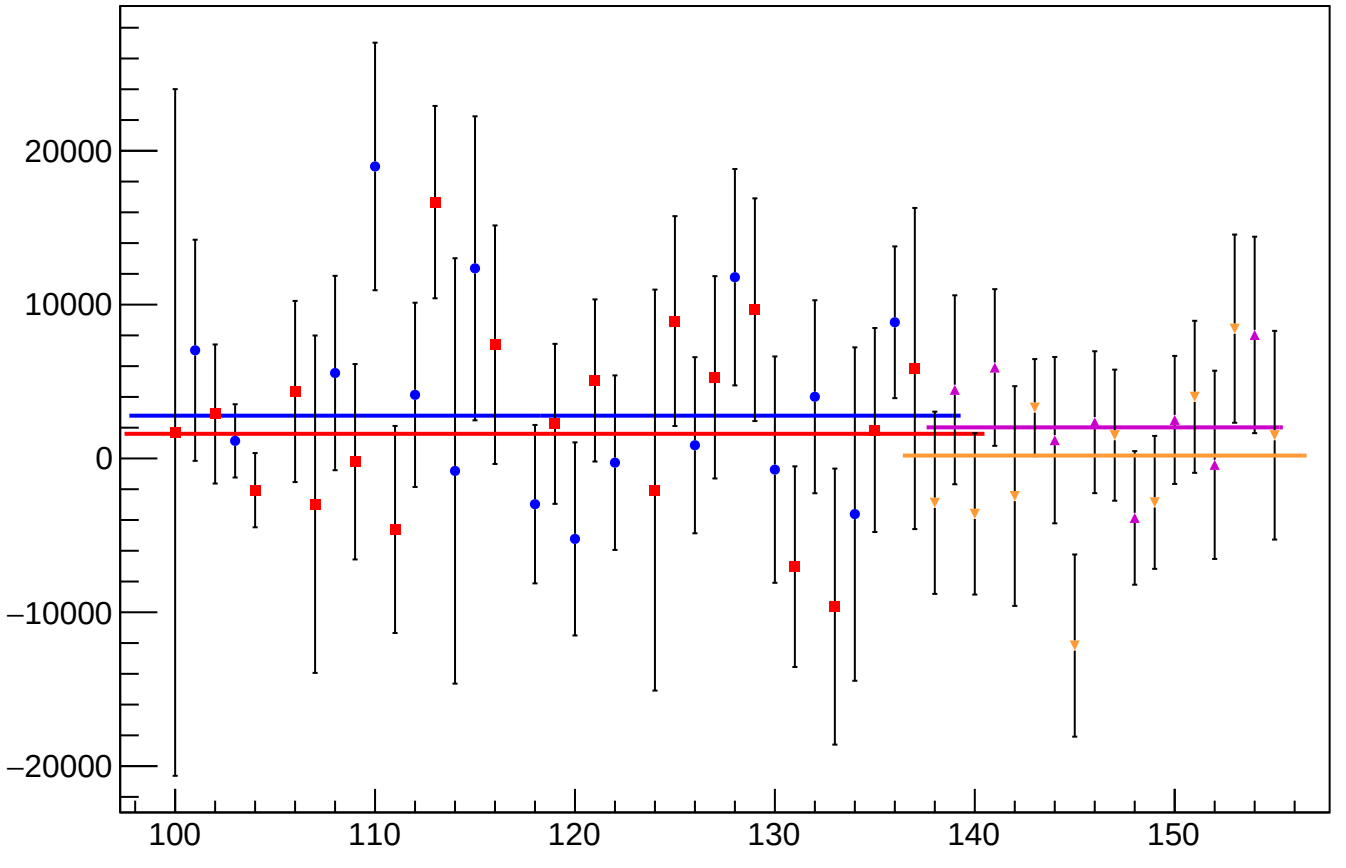
Left: 4454.516+/-0.839 χ^2/NDF: 1336828.8/17

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4046.581+/-0.787 χ^2/NDF:1772376.2/23

Out: 3502.595+/-0.674 χ^2/NDF:3430545.4/28

All: 3732.825+/-0.512 χ^2/NDF: 5478670.9/52



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 188.557+/-1558.995 χ^2/NDF:9.3/9

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 2021.742+/-1800.964 χ^2/NDF:3.7/7

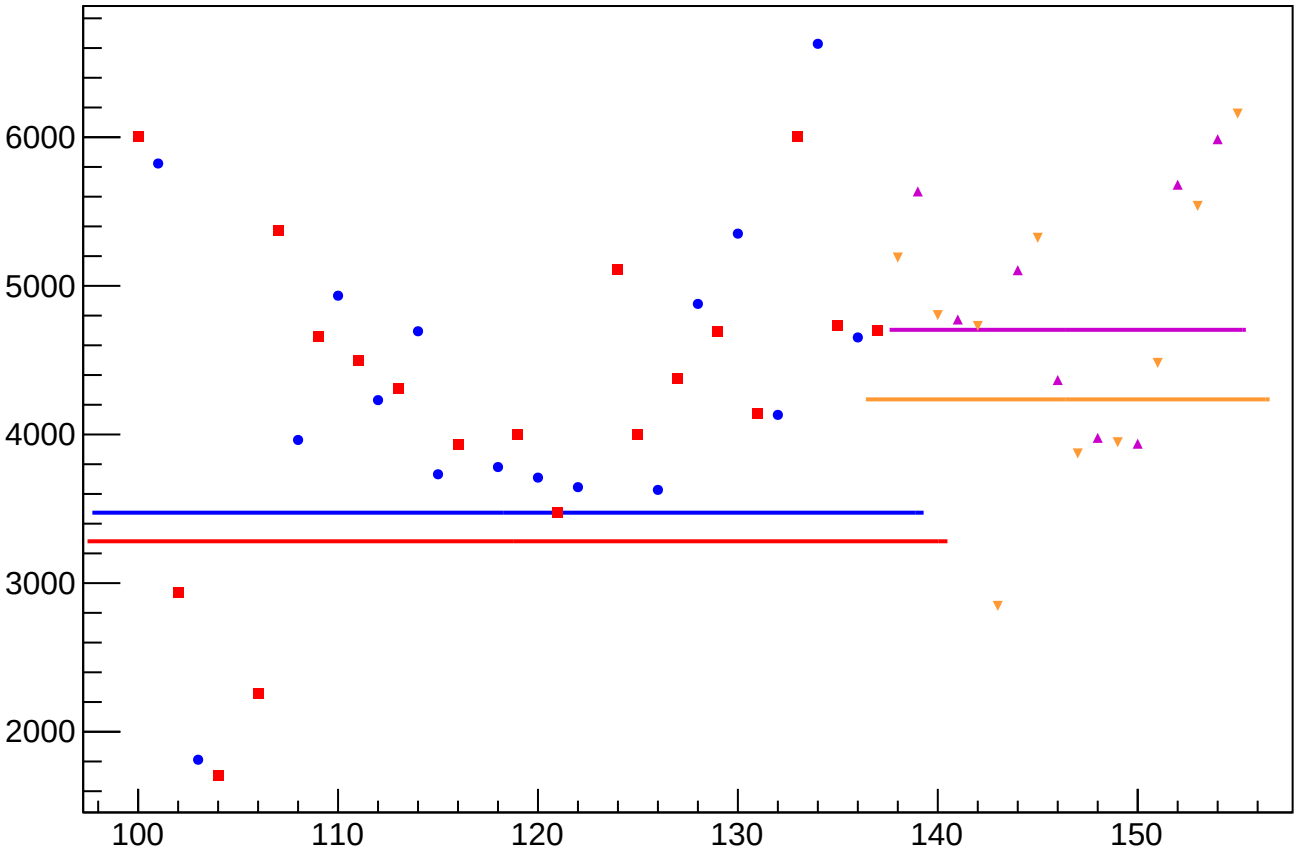
Left: 973.813+/-1178.711 χ^2/NDF: 13.6/17

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2497.627+/-1100.097 χ^2/NDF:17.0/23

Out: 1003.346+/-1014.903 χ^2/NDF:26.6/28

All: 1690.393+/-745.947 χ^2/NDF: 44.5/52



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4236.232+/-1.102 χ^2/NDF:819739.1/9

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 4704.223+/-1.273 χ^2/NDF:323519.1/7

Left: 4436.699+/-0.833 χ^2/NDF: 1220458.9/17

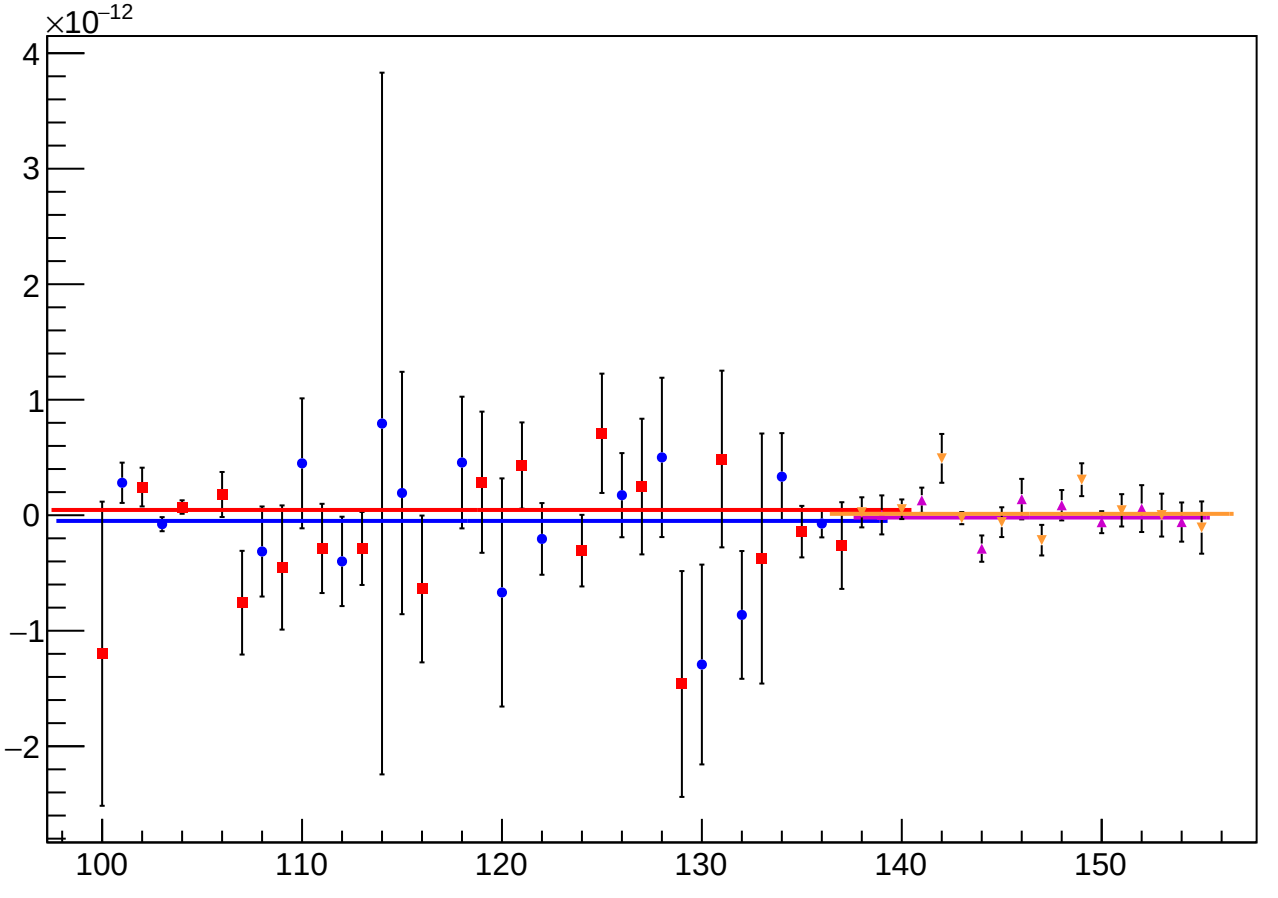
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 3932.956+/-0.778 χ^2/NDF:2752603.3/23

Out: 3679.699+/-0.712 χ^2/NDF:3132476.2/28

All: 3795.140+/-0.525 χ^2/NDF: 5942760.4/52

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:13.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/7

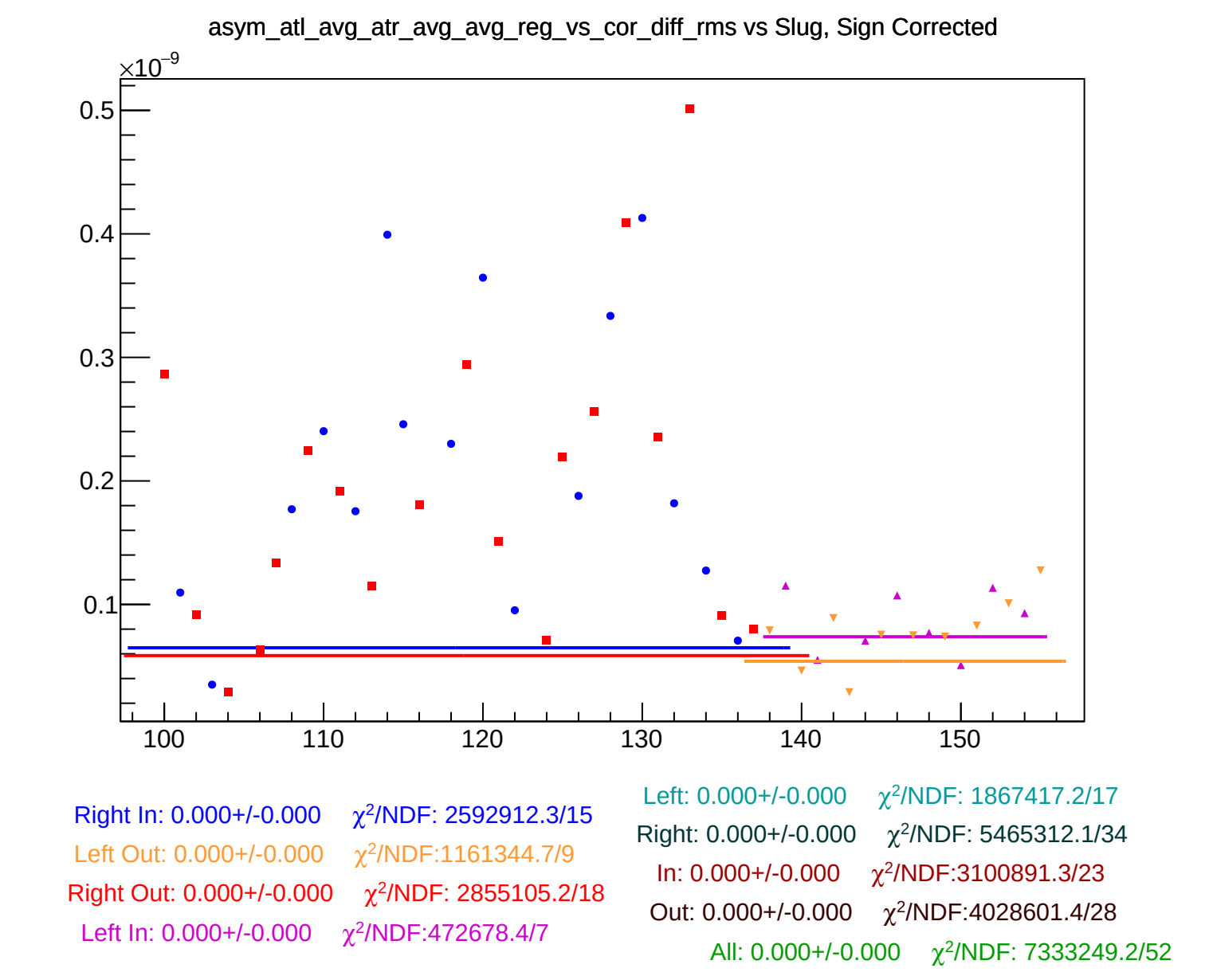
Left: 0.000+/-0.000 χ^2/NDF: 23.4/17

Right: -0.000+/-0.000 χ^2/NDF: 34.2/34

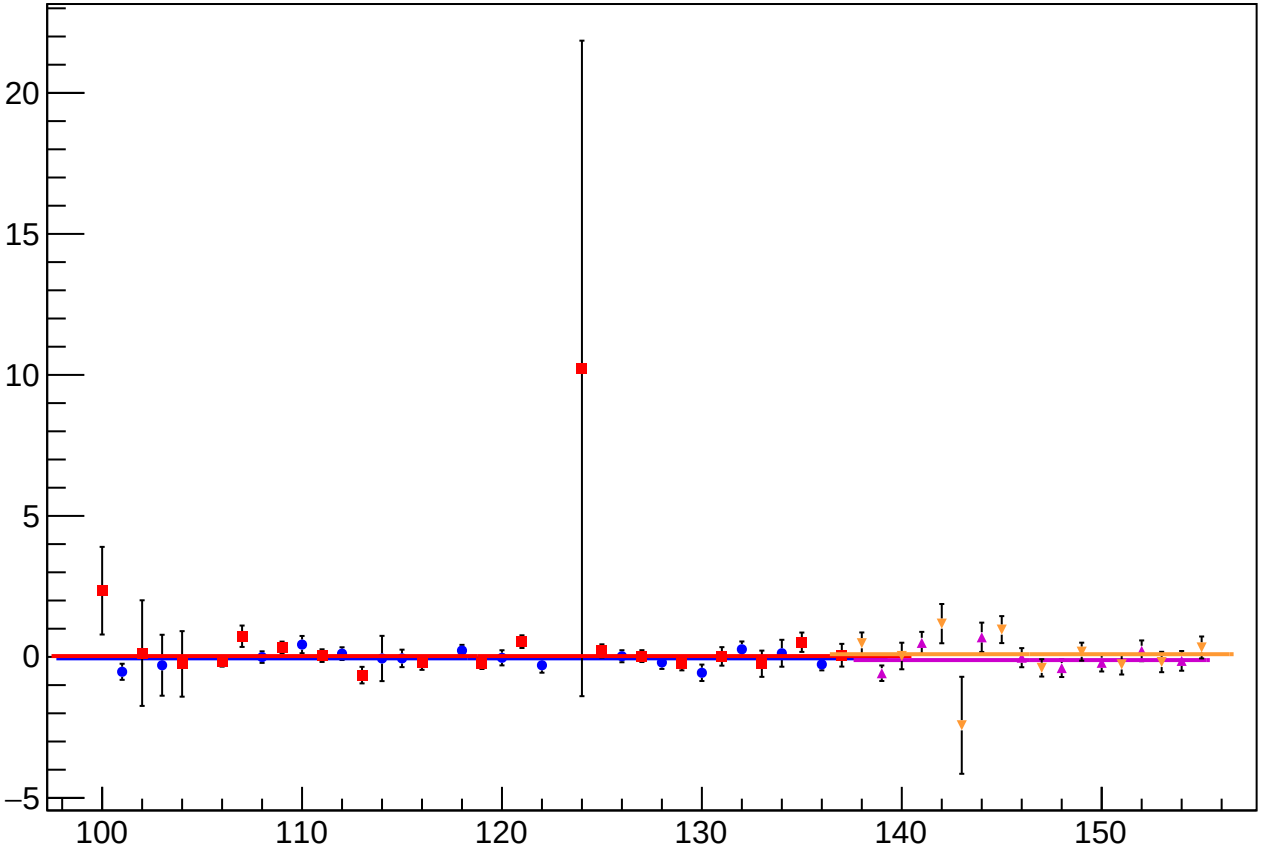
In: -0.000+/-0.000 χ^2/NDF:23.3/23

Out: 0.000+/-0.000 χ^2/NDF:32.7/28

All: 0.000+/-0.000 χ^2/NDF: 57.7/52


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2592912.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1161344.7/9
Right Out: 0.000+/-0.000 χ²/NDF: 2855105.2/18
Left In: 0.000+/-0.000 χ²/NDF:472678.4/7
Left: 0.000+/-0.000 χ²/NDF: 1867417.2/17
Right: 0.000+/-0.000 χ²/NDF: 5465312.1/34
In: 0.000+/-0.000 χ²/NDF:3100891.3/23
Out: 0.000+/-0.000 χ²/NDF:4028601.4/28
All: 0.000+/-0.000 χ²/NDF: 7333249.2/52

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: 0.096+/-0.129 χ^2/NDF:13.5/9

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.112+/-0.121 χ^2/NDF:9.5/7

Left: -0.014+/-0.088 χ^2/NDF: 24.4/17

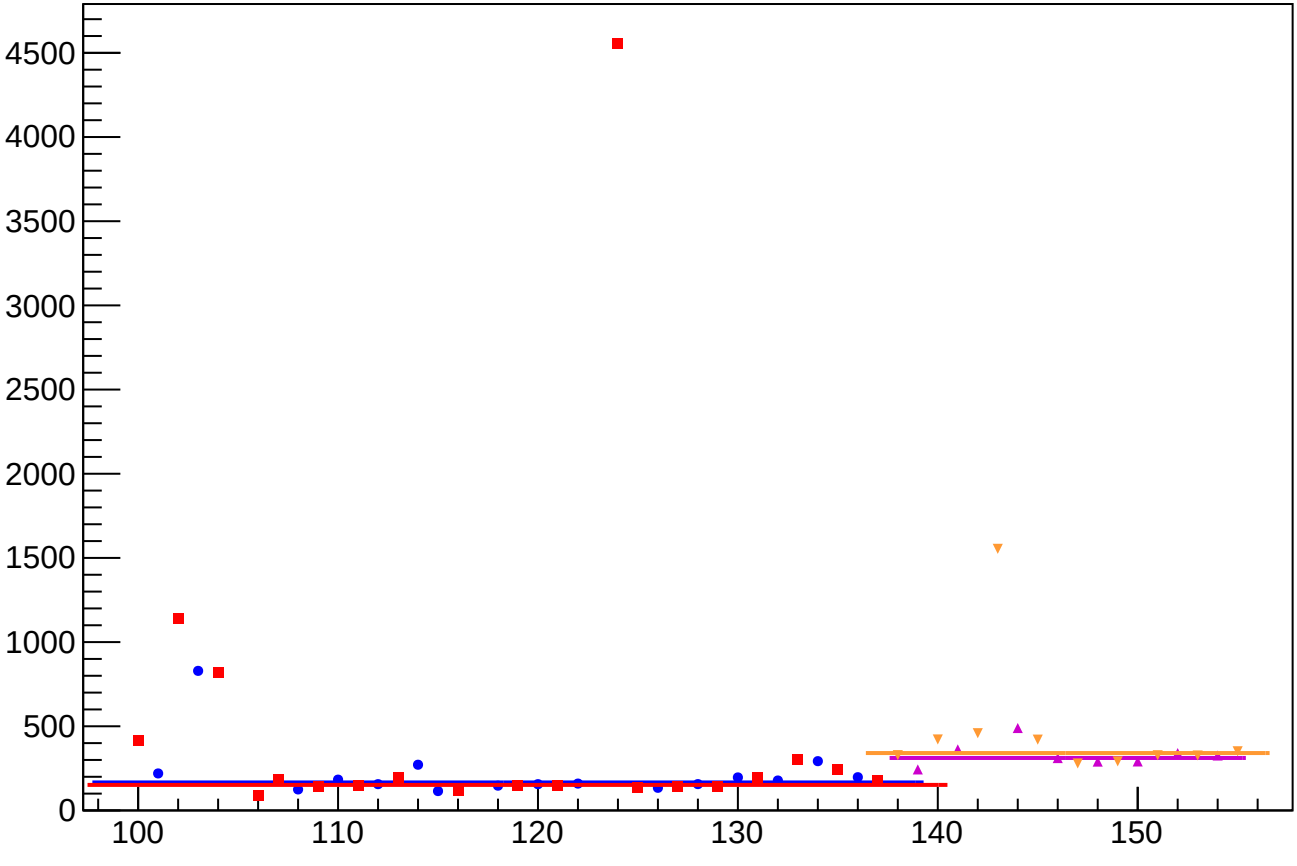
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.058 χ^2/NDF:24.6/23

Out: 0.042+/-0.057 χ^2/NDF:41.2/28

All: -0.010+/-0.041 χ^2/NDF: 67.5/52

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: 341.016+/-0.091 χ^2/NDF:1303674.2/9

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 311.748+/-0.086 χ^2/NDF:425104.3/7

Left: 325.509+/-0.062 χ^2/NDF: 1783688.9/17

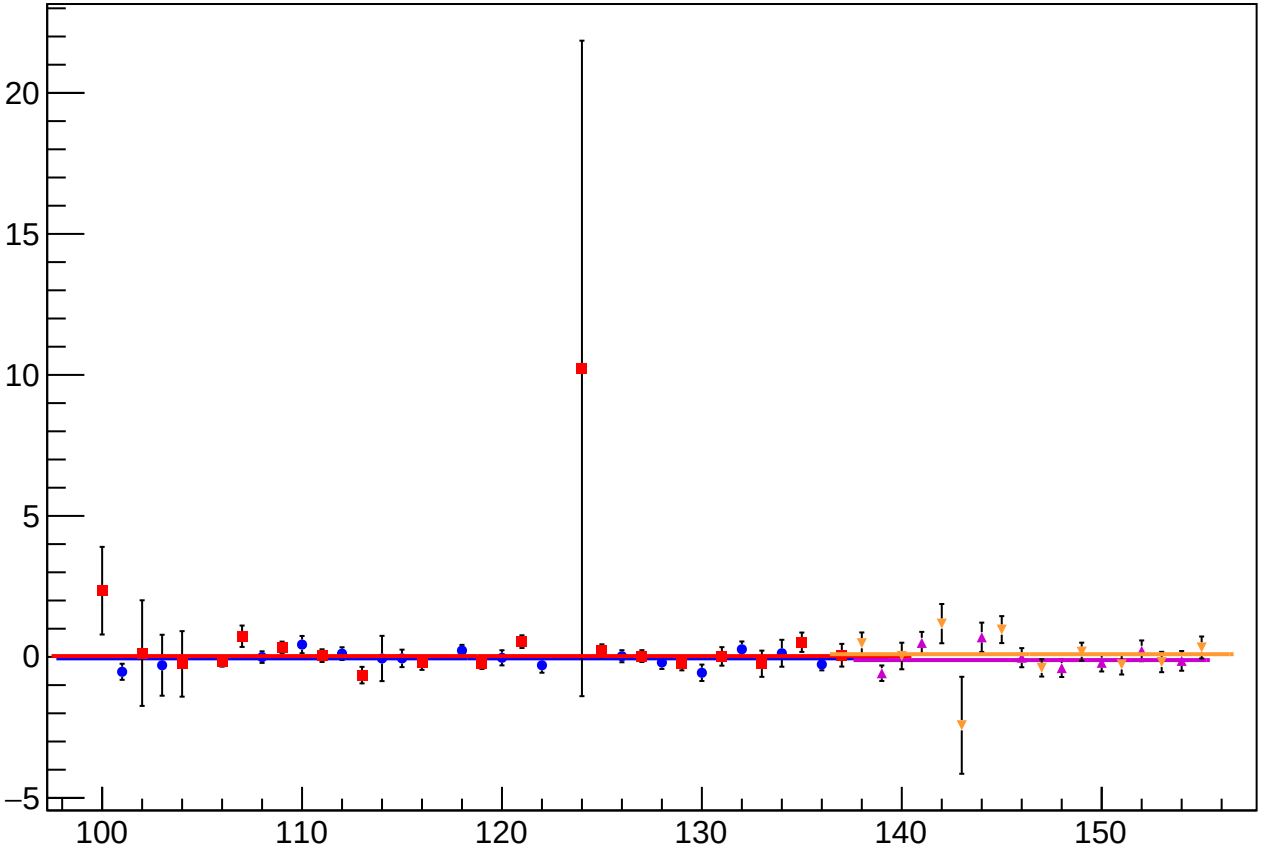
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 200.215+/-0.041 χ^2/NDF:3918721.6/23

Out: 189.388+/-0.041 χ^2/NDF:7090597.8/28

All: 194.695+/-0.029 χ^2/NDF: 11044312.8/52

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: 0.096+/-0.129 χ^2/NDF:13.5/9

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.112+/-0.121 χ^2/NDF:9.5/7

Left: -0.014+/-0.088 χ^2/NDF: 24.4/17

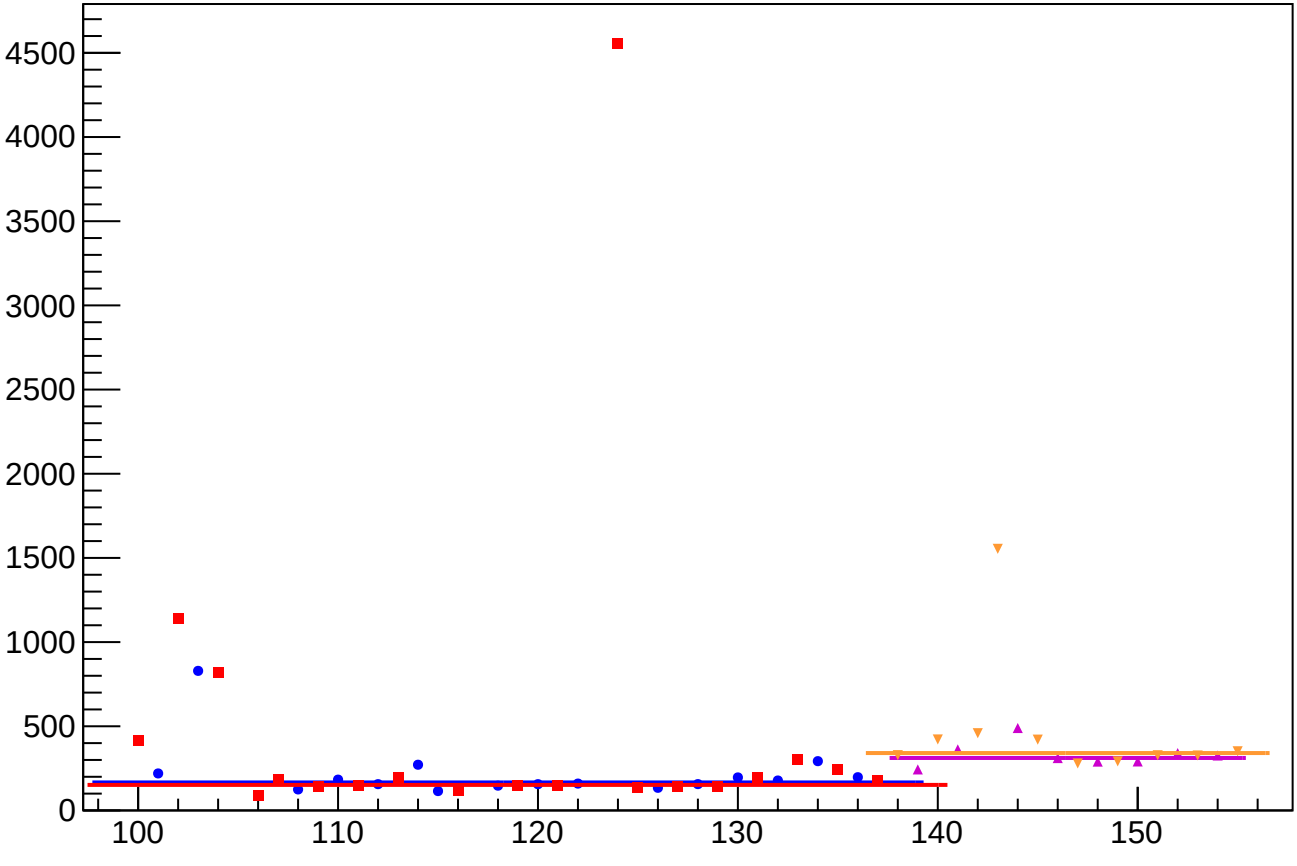
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.058 χ^2/NDF:24.6/23

Out: 0.042+/-0.057 χ^2/NDF:41.2/28

All: -0.010+/-0.041 χ^2/NDF: 67.5/52

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: 341.016+/-0.091 χ^2/NDF:1303674.2/9

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 311.748+/-0.086 χ^2/NDF:425104.3/7

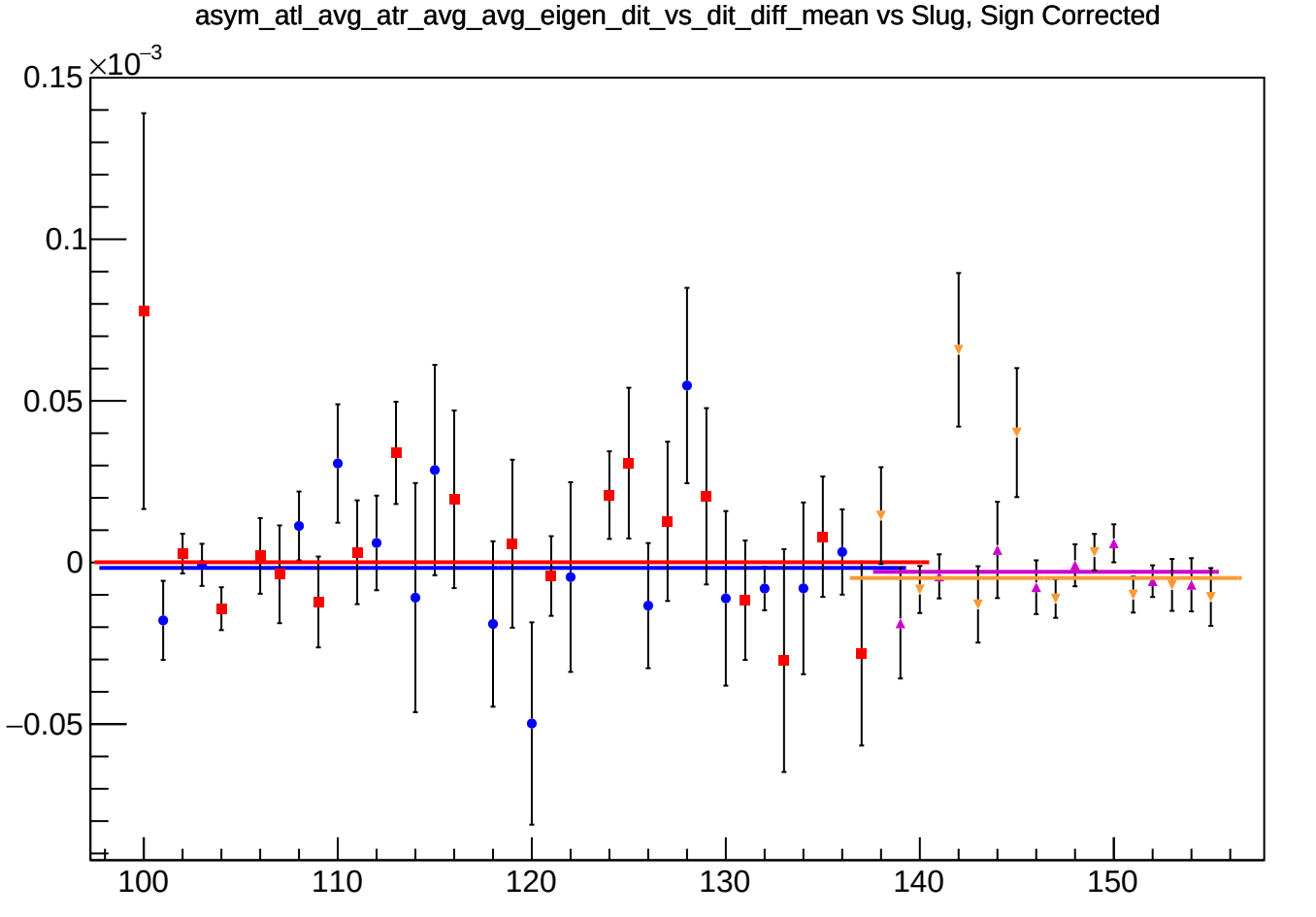
Left: 325.509+/-0.062 χ^2/NDF: 1783688.9/17

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 200.215+/-0.041 χ^2/NDF:3918721.6/23

Out: 189.388+/-0.041 χ^2/NDF:7090597.8/28

All: 194.695+/-0.029 χ^2/NDF: 11044312.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/7

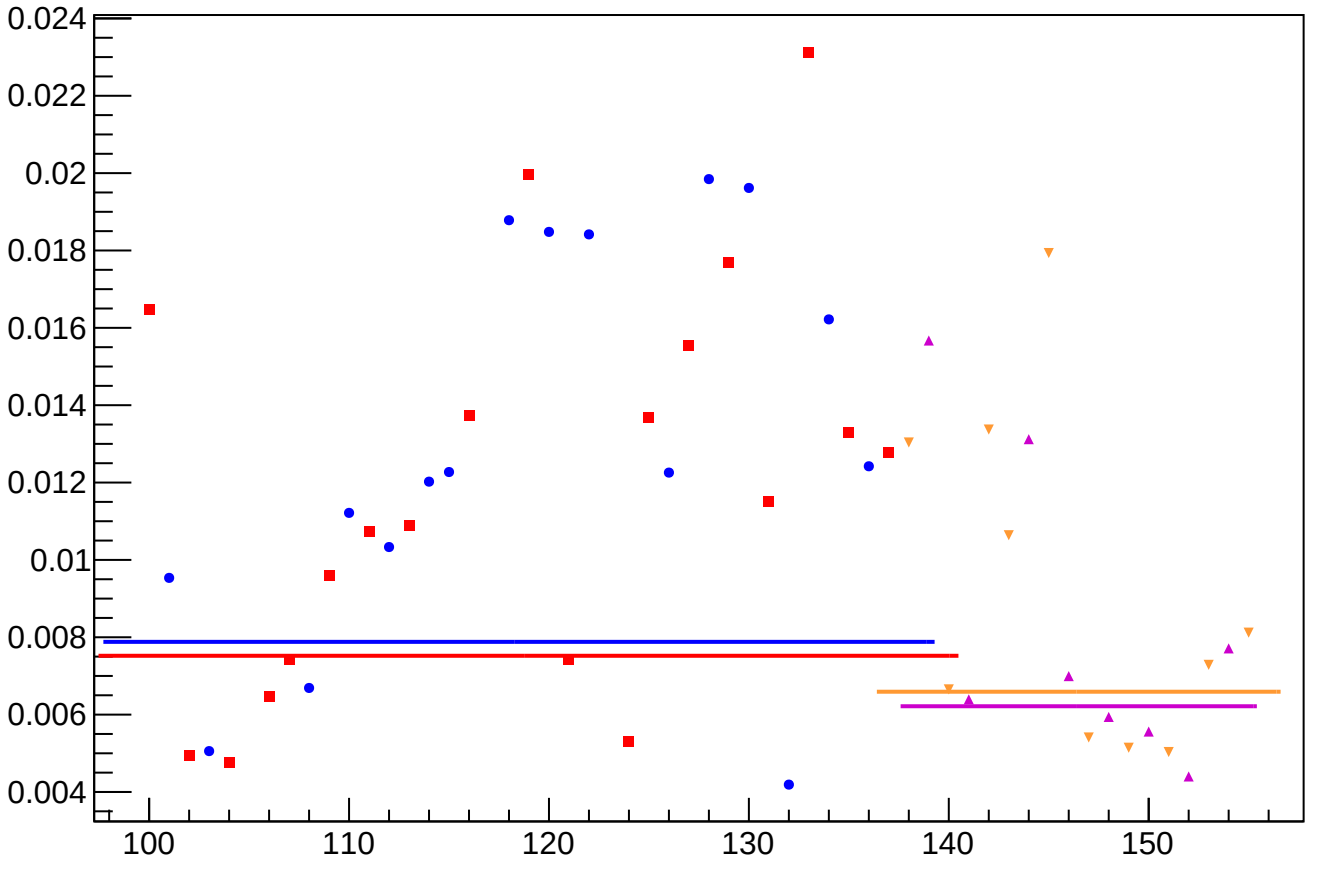
Left: -0.000+/-0.000 χ^2/NDF: 25.5/17

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:19.9/23

Out: -0.000+/-0.000 χ^2/NDF:42.2/28

All: -0.000+/-0.000 χ^2/NDF: 62.1/52



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:1855329.6/9

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.006+/-0.000 χ^2/NDF:1432167.7/7

Left: 0.006+/-0.000 χ^2/NDF: 3309207.1/17

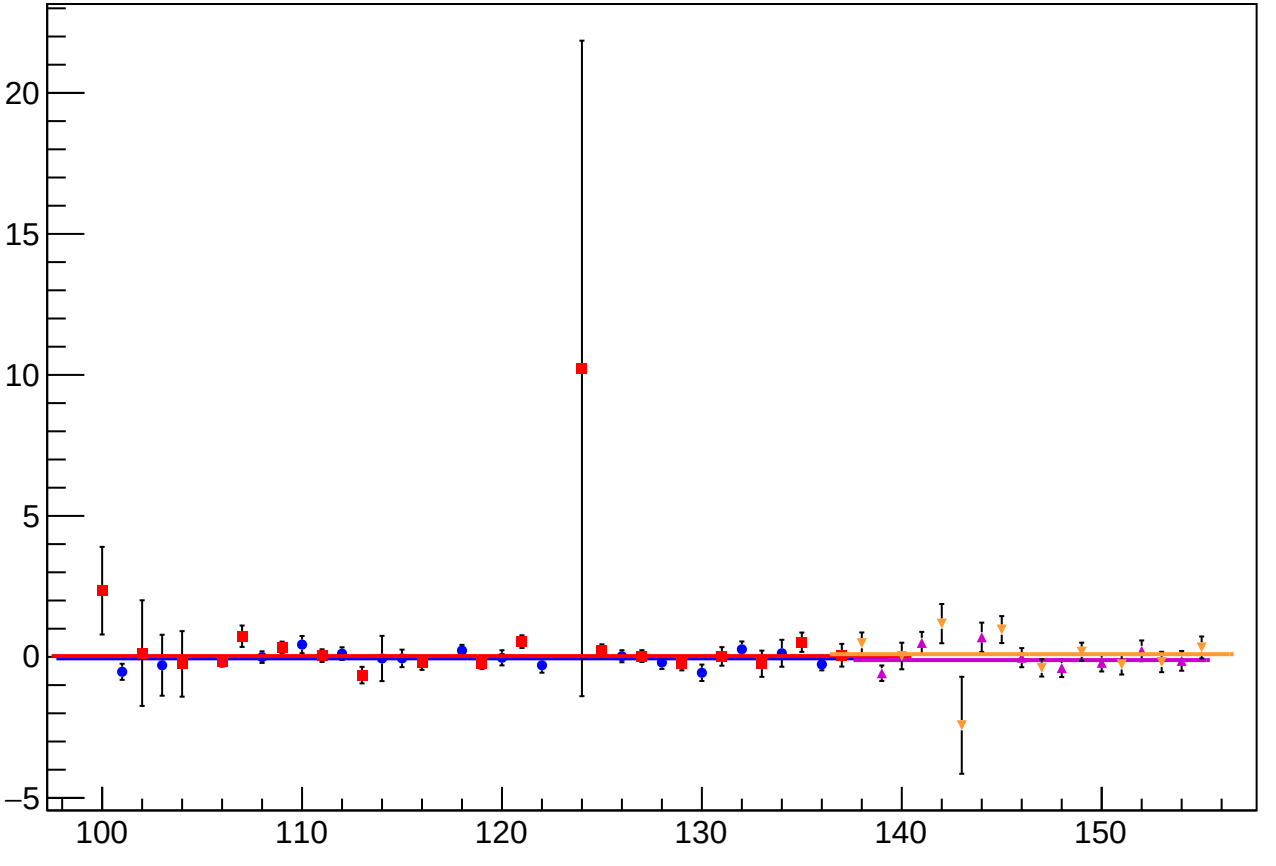
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:5040122.5/23

Out: 0.007+/-0.000 χ^2/NDF:4936644.0/28

All: 0.007+/-0.000 χ^2/NDF: 9981795.5/52

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: 0.096+/-0.129 χ^2/NDF:13.5/9

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.112+/-0.121 χ^2/NDF:9.5/7

Left: -0.014+/-0.088 χ^2/NDF: 24.4/17

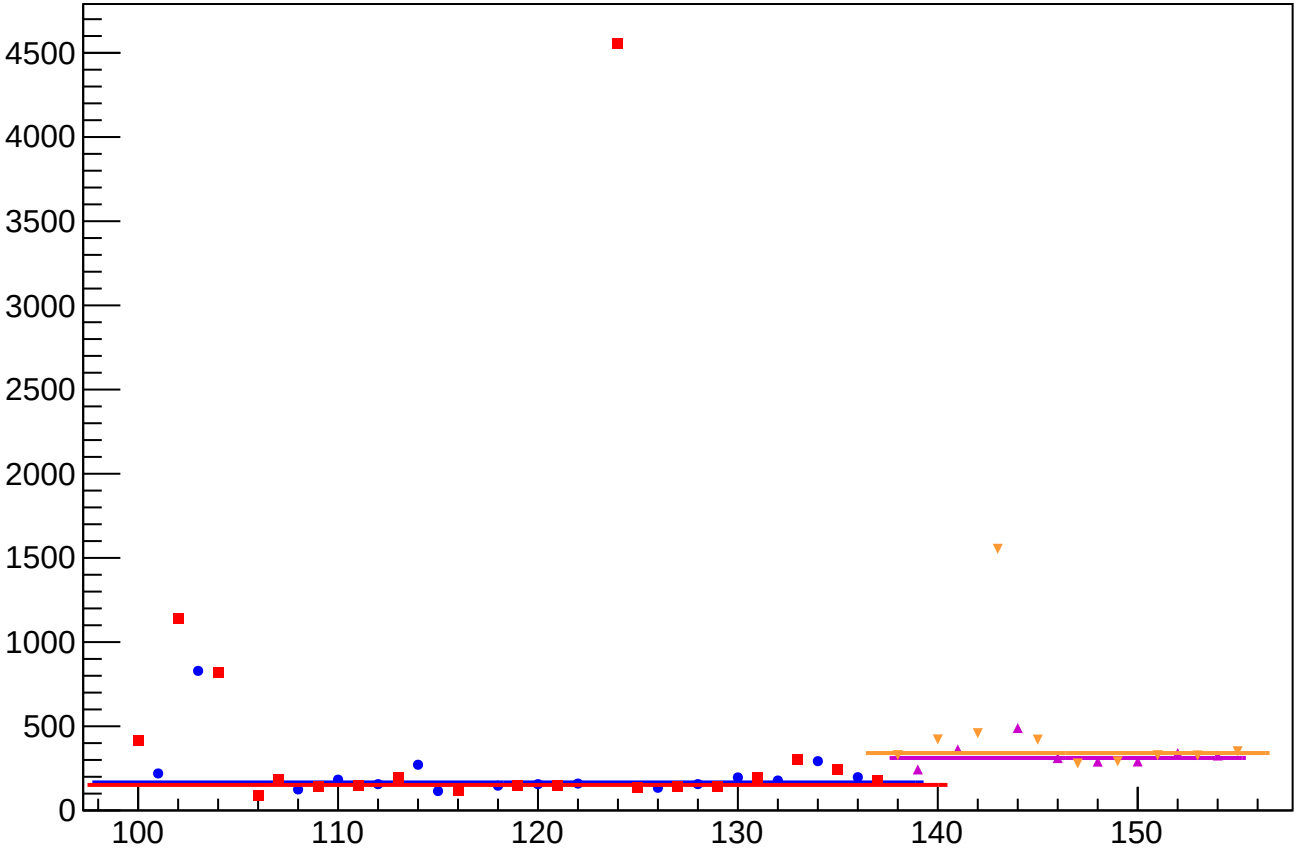
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.058 χ^2/NDF:24.6/23

Out: 0.042+/-0.057 χ^2/NDF:41.2/28

All: -0.010+/-0.041 χ^2/NDF: 67.5/52

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: 341.020+/-0.091 χ^2/NDF:1303671.9/9

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 311.753+/-0.086 χ^2/NDF:425089.5/7

Left: 325.513+/-0.062 χ^2/NDF: 1783668.2/17

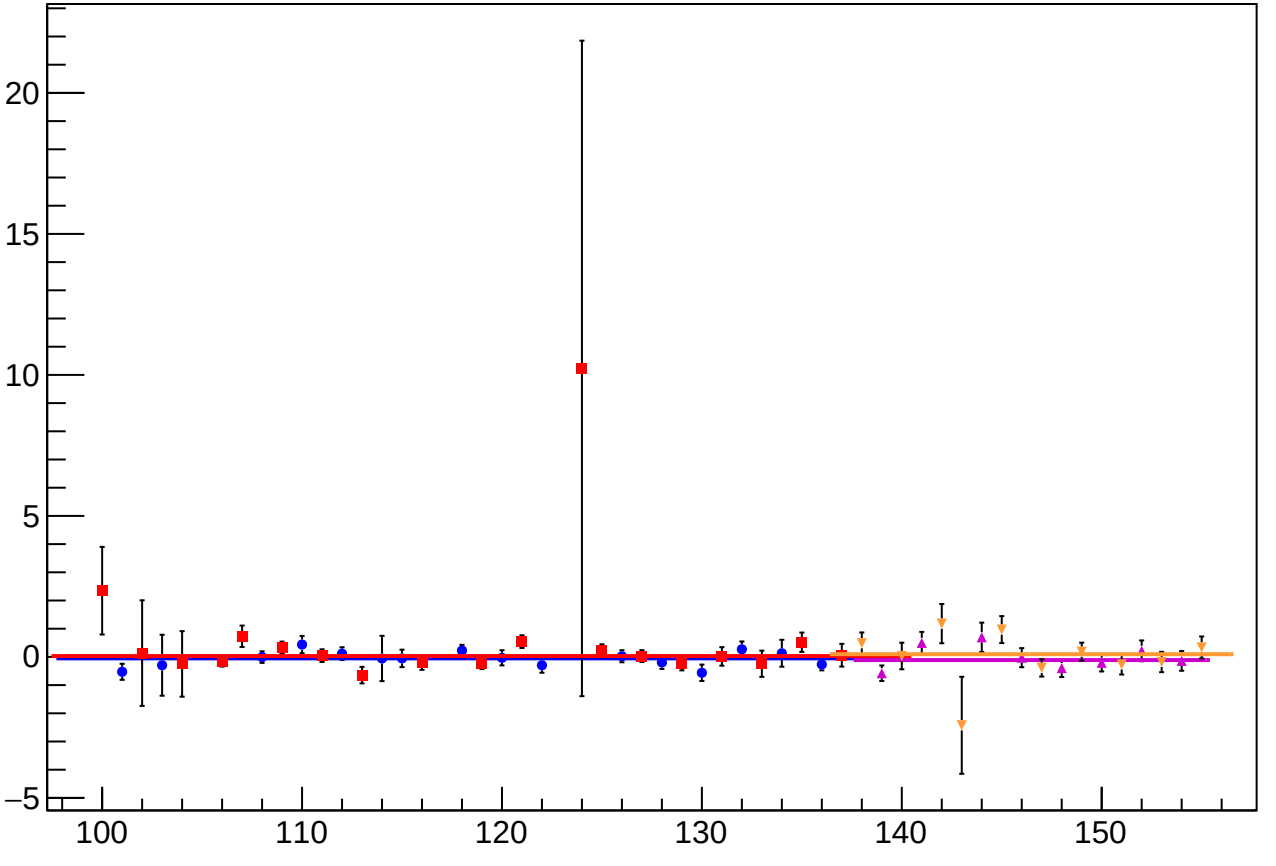
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 200.214+/-0.041 χ^2/NDF:3918816.3/23

Out: 189.386+/-0.041 χ^2/NDF:7090735.6/28

All: 194.694+/-0.029 χ^2/NDF: 11044551.7/52

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: 0.096+/-0.129 χ^2/NDF:13.5/9

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.112+/-0.121 χ^2/NDF:9.5/7

Left: -0.014+/-0.088 χ^2/NDF: 24.4/17

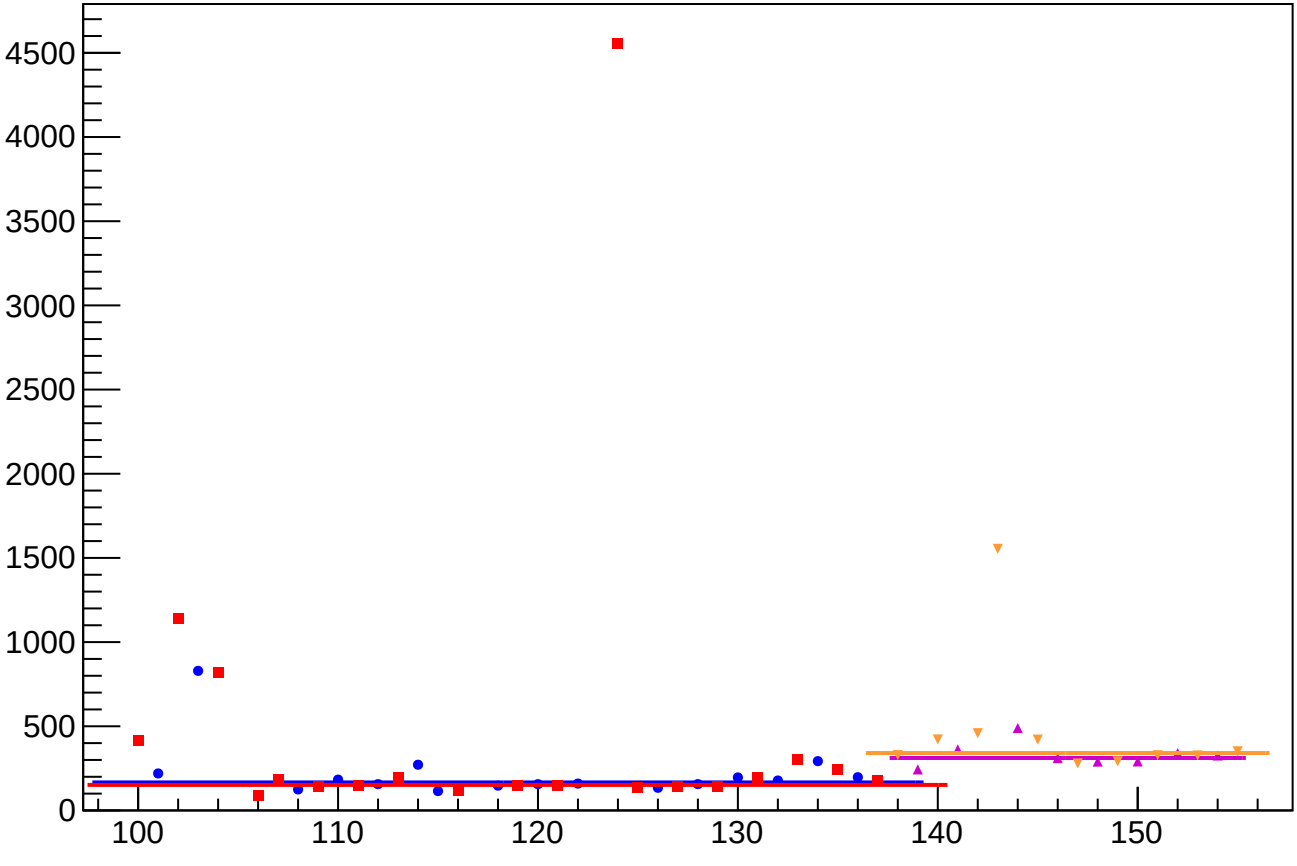
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.065+/-0.058 χ^2/NDF:24.6/23

Out: 0.042+/-0.057 χ^2/NDF:41.2/28

All: -0.010+/-0.041 χ^2/NDF: 67.5/52

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: 341.020+/-0.091 χ^2/NDF:1303671.9/9

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 311.753+/-0.086 χ^2/NDF:425089.5/7

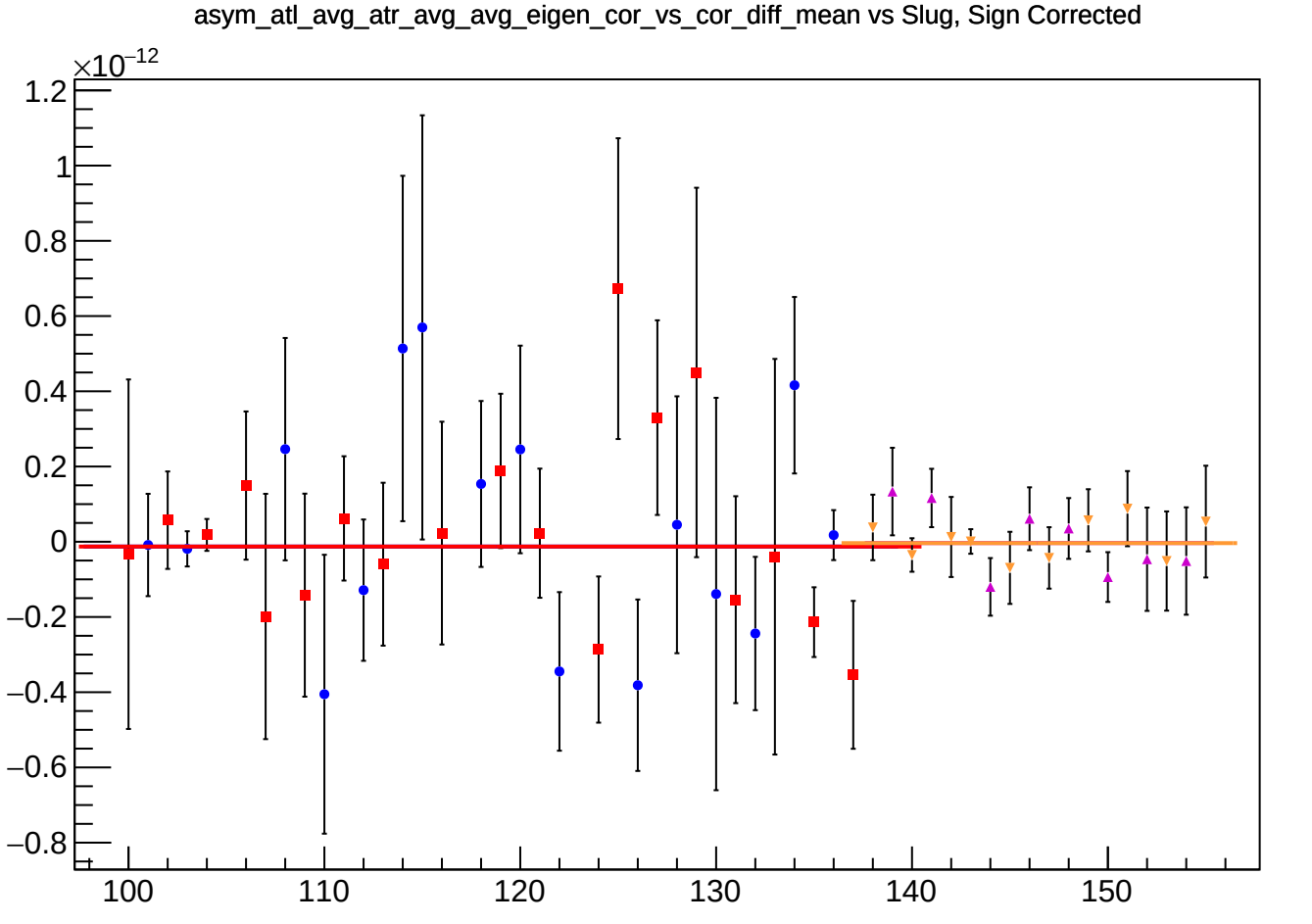
Left: 325.513+/-0.062 χ^2/NDF: 1783668.2/17

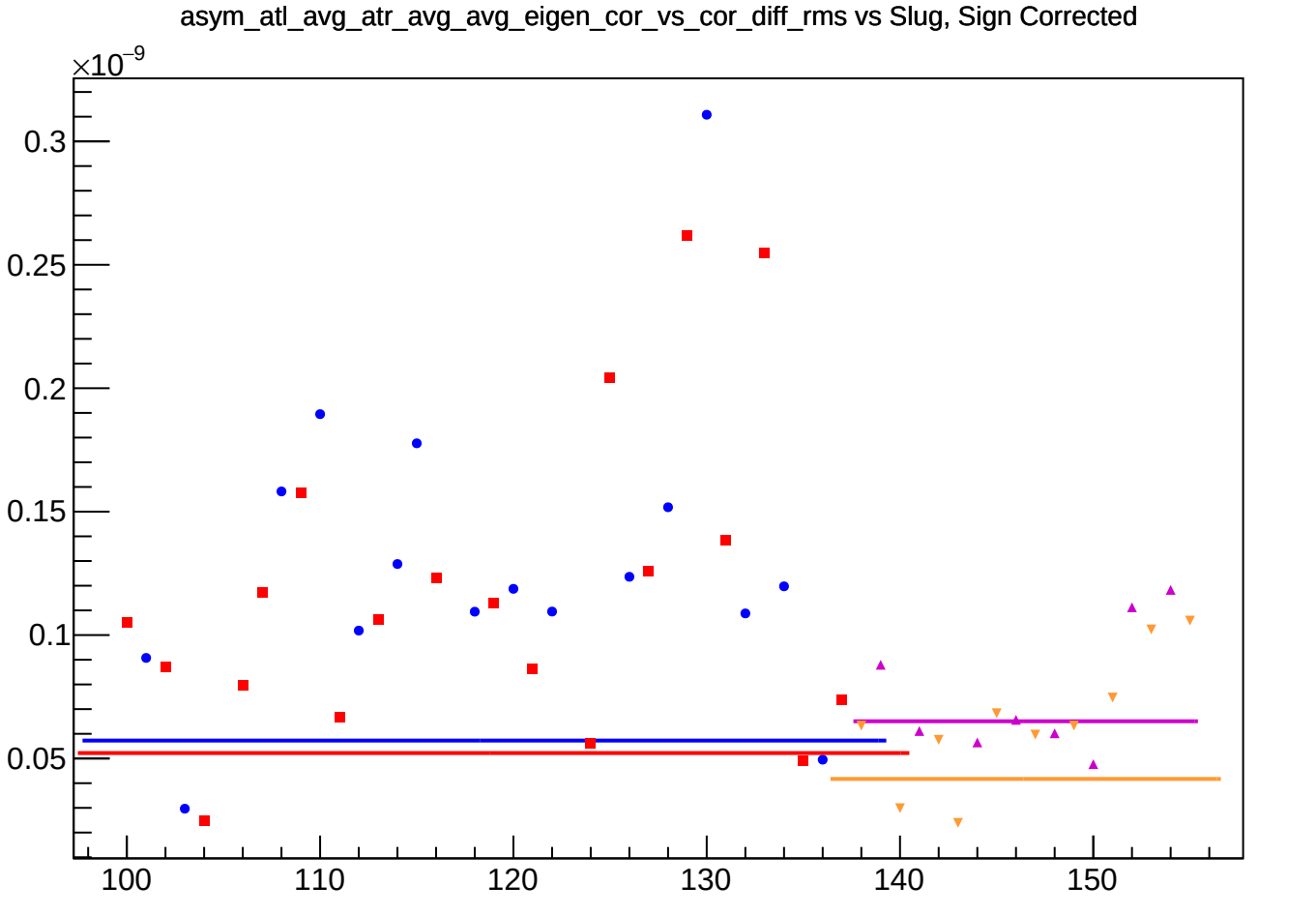
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 200.214+/-0.041 χ^2/NDF:3918816.3/23

Out: 189.386+/-0.041 χ^2/NDF:7090735.6/28

All: 194.694+/-0.029 χ^2/NDF: 11044551.7/52


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: -0.000+/-0.000 χ²/NDF:3.1/9
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/18
Left In: -0.000+/-0.000 χ²/NDF:9.0/7
Left: -0.000+/-0.000 χ²/NDF: 12.1/17
Right: -0.000+/-0.000 χ²/NDF: 35.0/34
In: -0.000+/-0.000 χ²/NDF:25.2/23
Out: -0.000+/-0.000 χ²/NDF:22.1/28
All: -0.000+/-0.000 χ²/NDF: 47.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2303687.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:756917.0/7

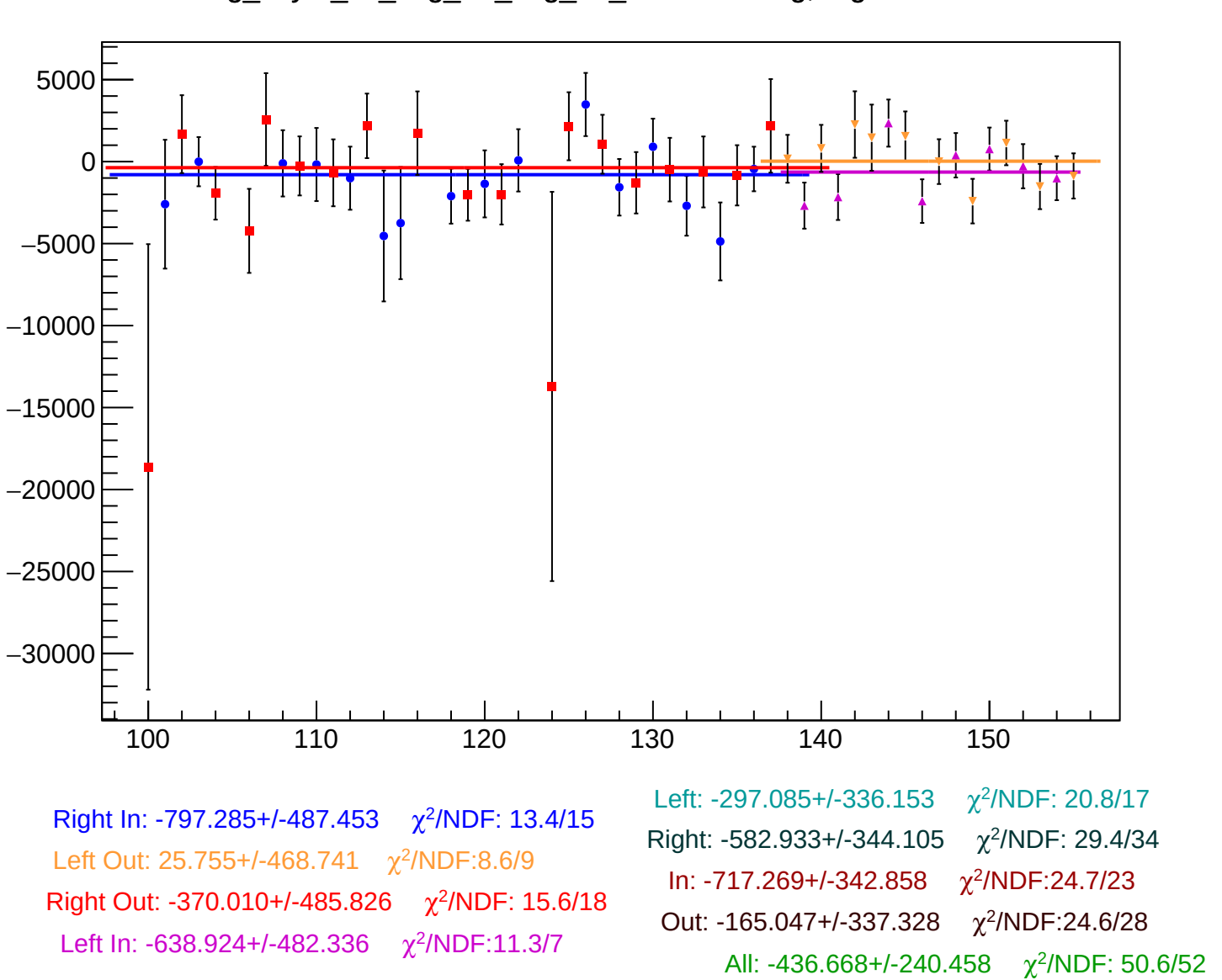
Left: 0.000+/-0.000 χ^2/NDF: 3837822.0/17

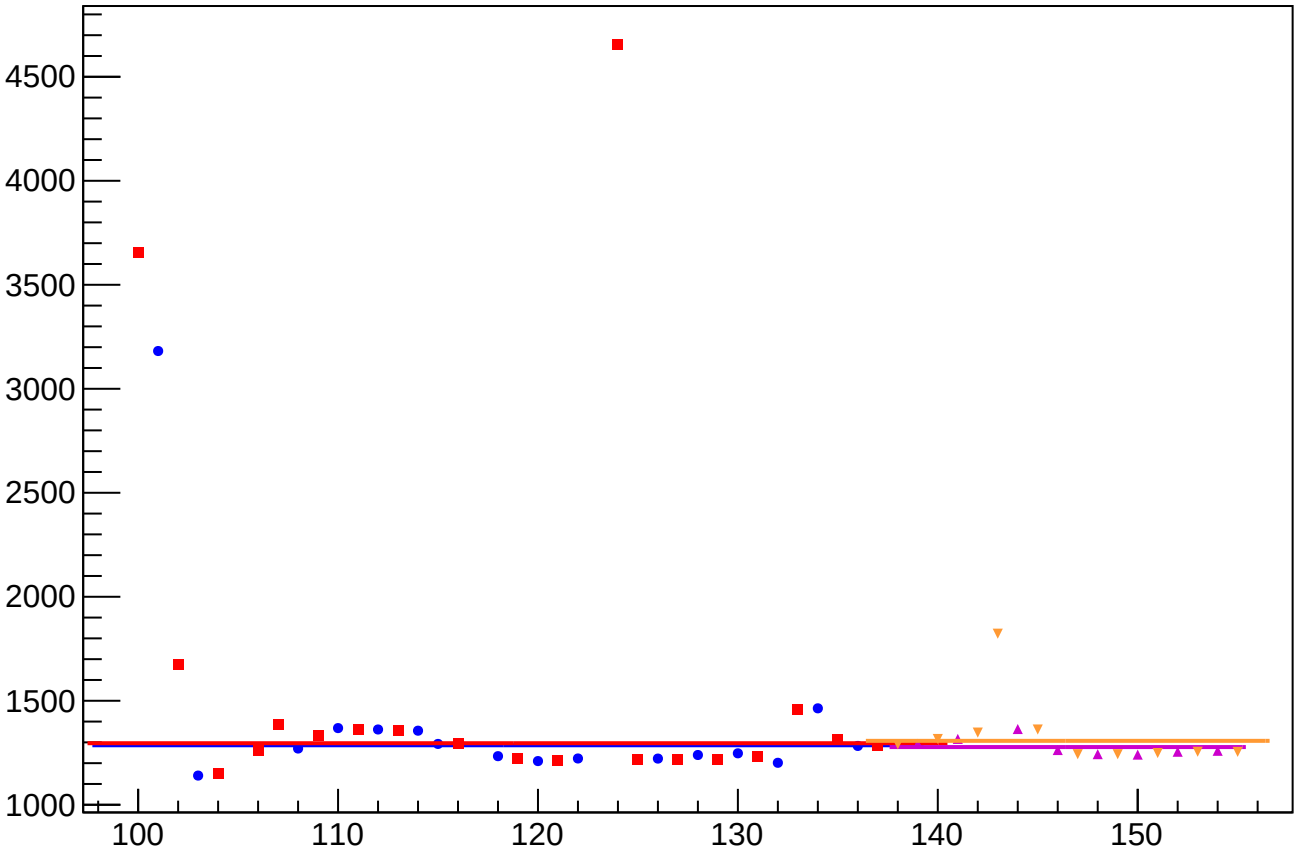
Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:3799771.8/23

Out: 0.000+/-0.000 χ^2/NDF:5745040.4/28

All: 0.000+/-0.000 χ^2/NDF: 10209193.6/52


reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: 25.755+/-468.741 χ²/NDF:8.6/9
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -638.924+/-482.336 χ²/NDF:11.3/7
Left: -297.085+/-336.153 χ²/NDF: 20.8/17
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -717.269+/-342.858 χ²/NDF:24.7/23
Out: -165.047+/-337.328 χ²/NDF:24.6/28
All: -436.668+/-240.458 χ²/NDF: 50.6/52



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1307.359+/-0.331 χ^2/NDF:152603.2/9

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1277.444+/-0.341 χ^2/NDF:13042.0/7

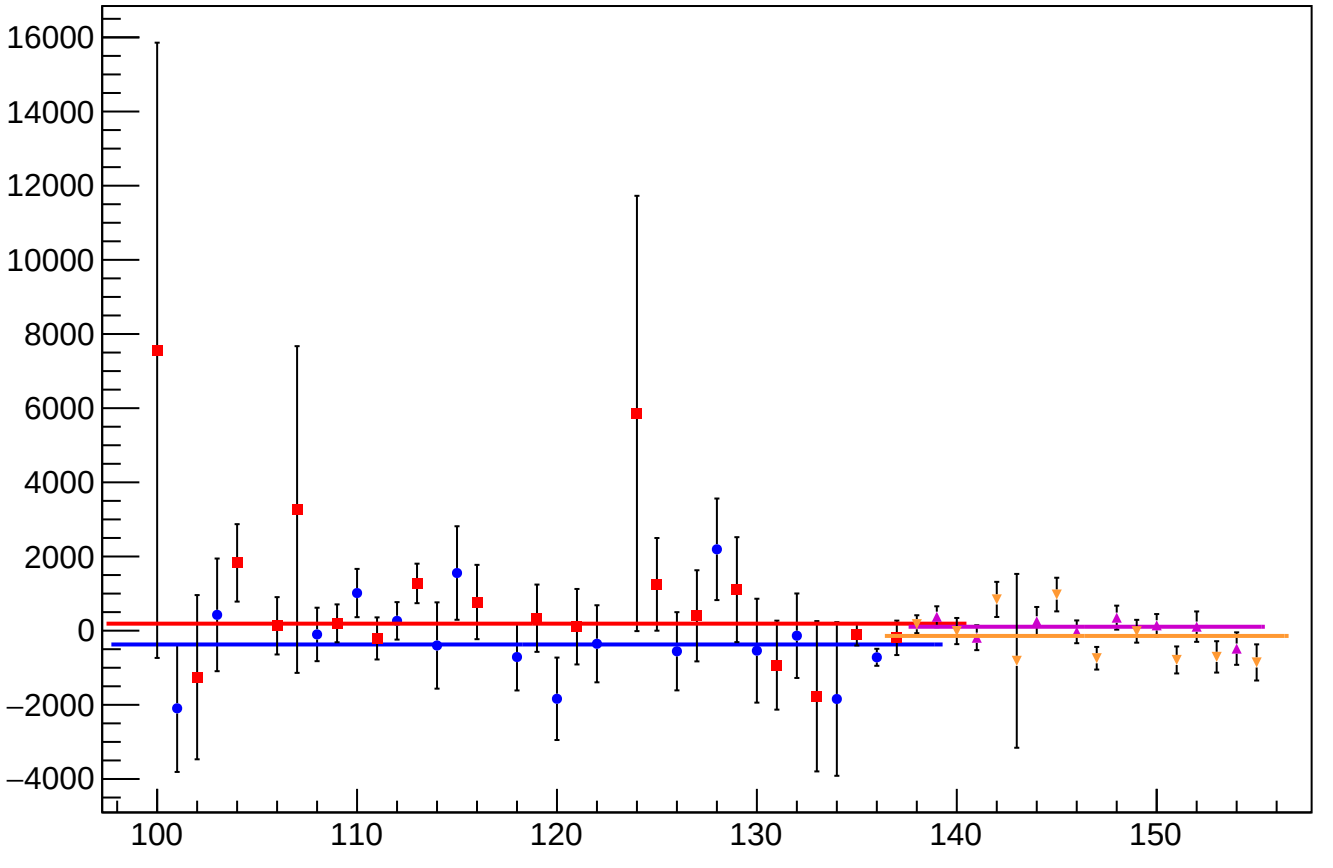
Left: 1292.829+/-0.238 χ^2/NDF: 169601.6/17

Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1281.725+/-0.242 χ^2/NDF:531487.4/23

Out: 1301.855+/-0.239 χ^2/NDF:481245.0/28

All: 1291.954+/-0.170 χ^2/NDF: 1016235.6/52



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -142.165+/-116.781 χ^2/NDF:23.5/9

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 105.612+/-119.290 χ^2/NDF:4.4/7

Left: -20.909+/-83.450 χ^2/NDF: 30.1/17

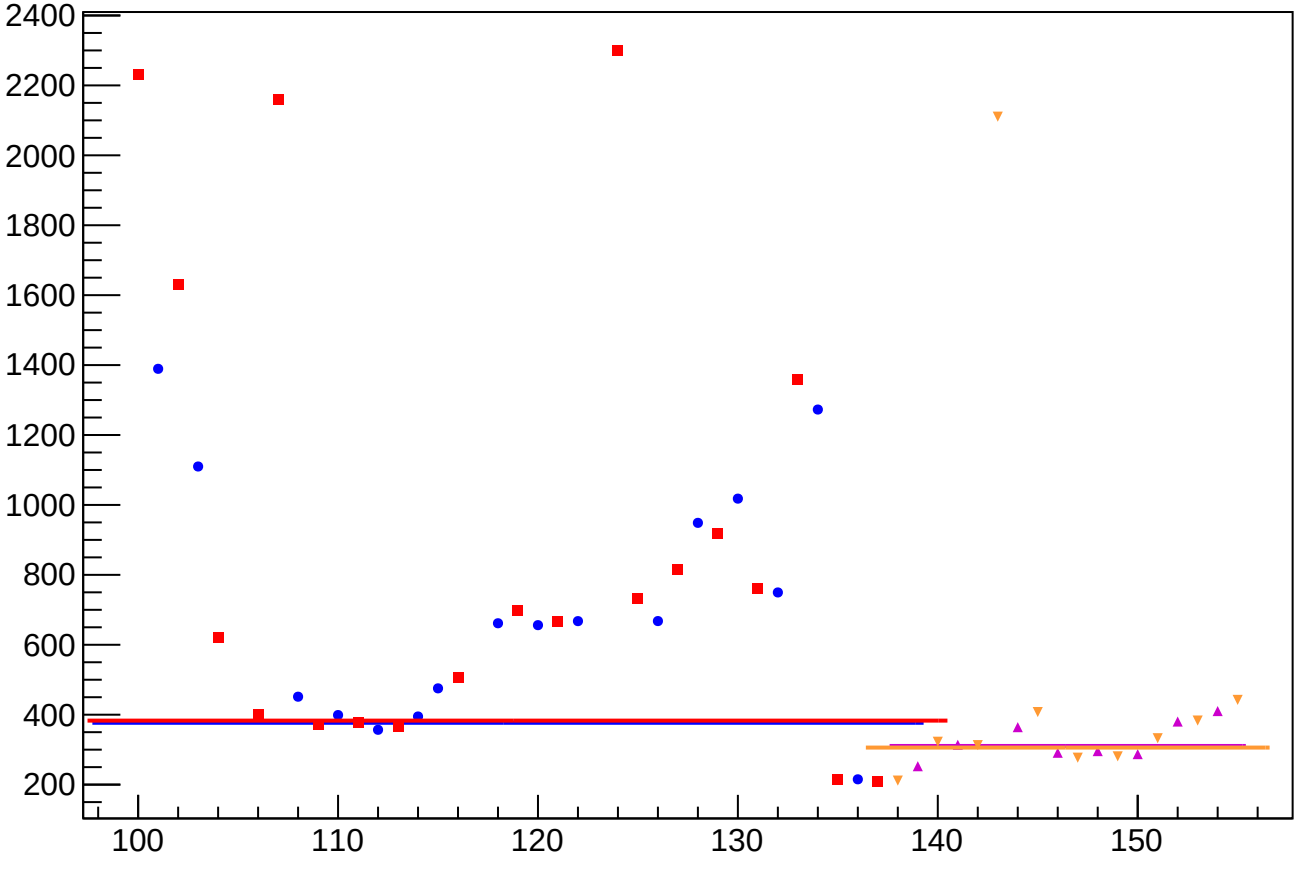
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -54.328+/-97.304 χ^2/NDF:28.0/23

Out: -35.648+/-96.180 χ^2/NDF:40.7/28

All: -44.880+/-68.403 χ^2/NDF: 68.7/52

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: 305.954+/-0.083 χ^2/NDF:1861790.7/9

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 310.564+/-0.084 χ^2/NDF:309025.7/7

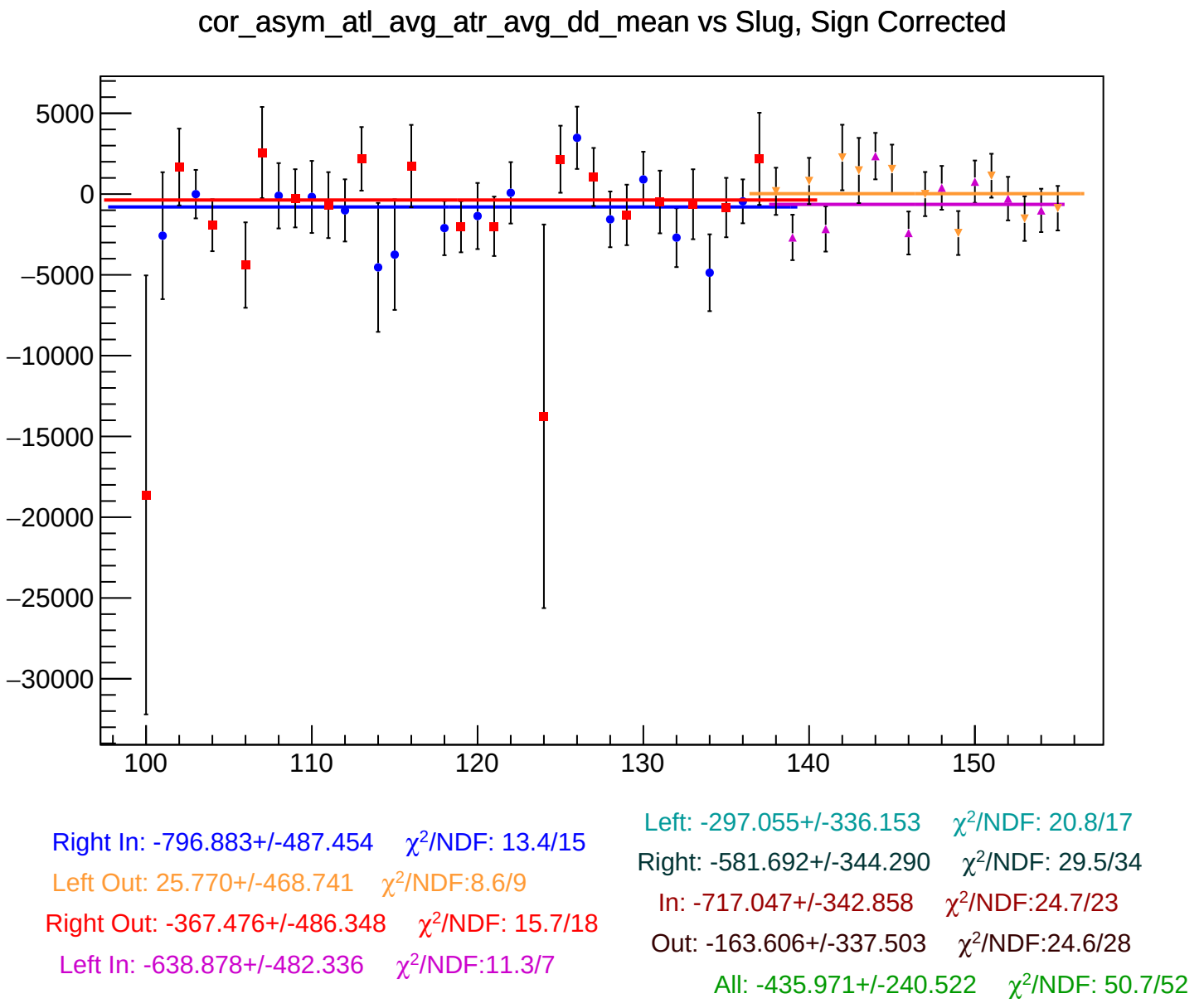
Left: 308.210+/-0.059 χ^2/NDF: 2172341.7/17

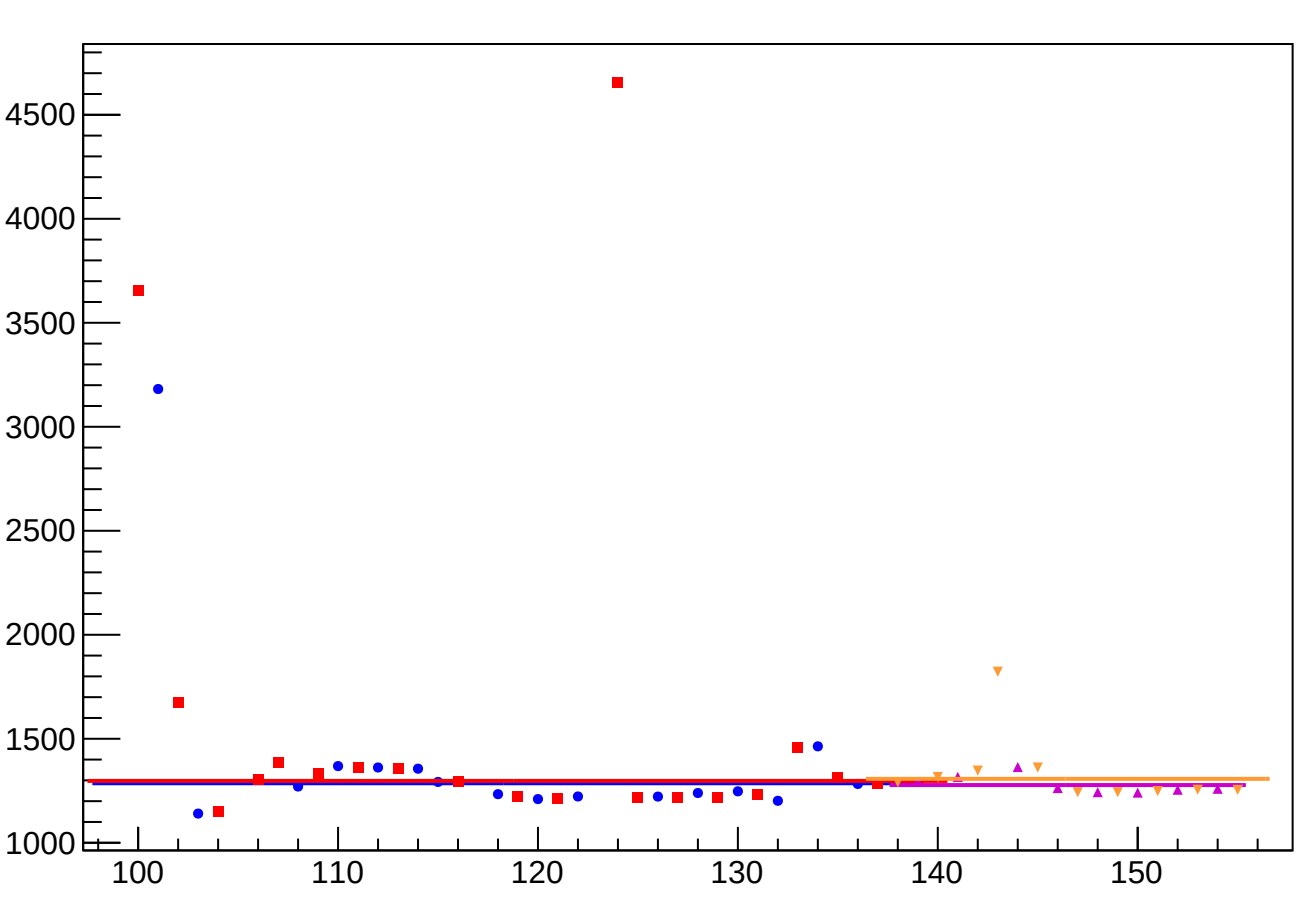
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 332.761+/-0.069 χ^2/NDF:4706142.4/23

Out: 330.763+/-0.068 χ^2/NDF:6196492.4/28

All: 331.751+/-0.048 χ^2/NDF: 10903061.1/52


cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 25.770+/-468.741 χ²/NDF:8.6/9
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -638.878+/-482.336 χ²/NDF:11.3/7
Left: -297.055+/-336.153 χ²/NDF: 20.8/17
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -717.047+/-342.858 χ²/NDF:24.7/23
Out: -163.606+/-337.503 χ²/NDF:24.6/28
All: -435.971+/-240.522 χ²/NDF: 50.7/52



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1307.359+/-0.331 χ^2/NDF:152603.2/9

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1277.444+/-0.341 χ^2/NDF:13042.0/7

Left: 1292.829+/-0.238 χ^2/NDF: 169601.6/17

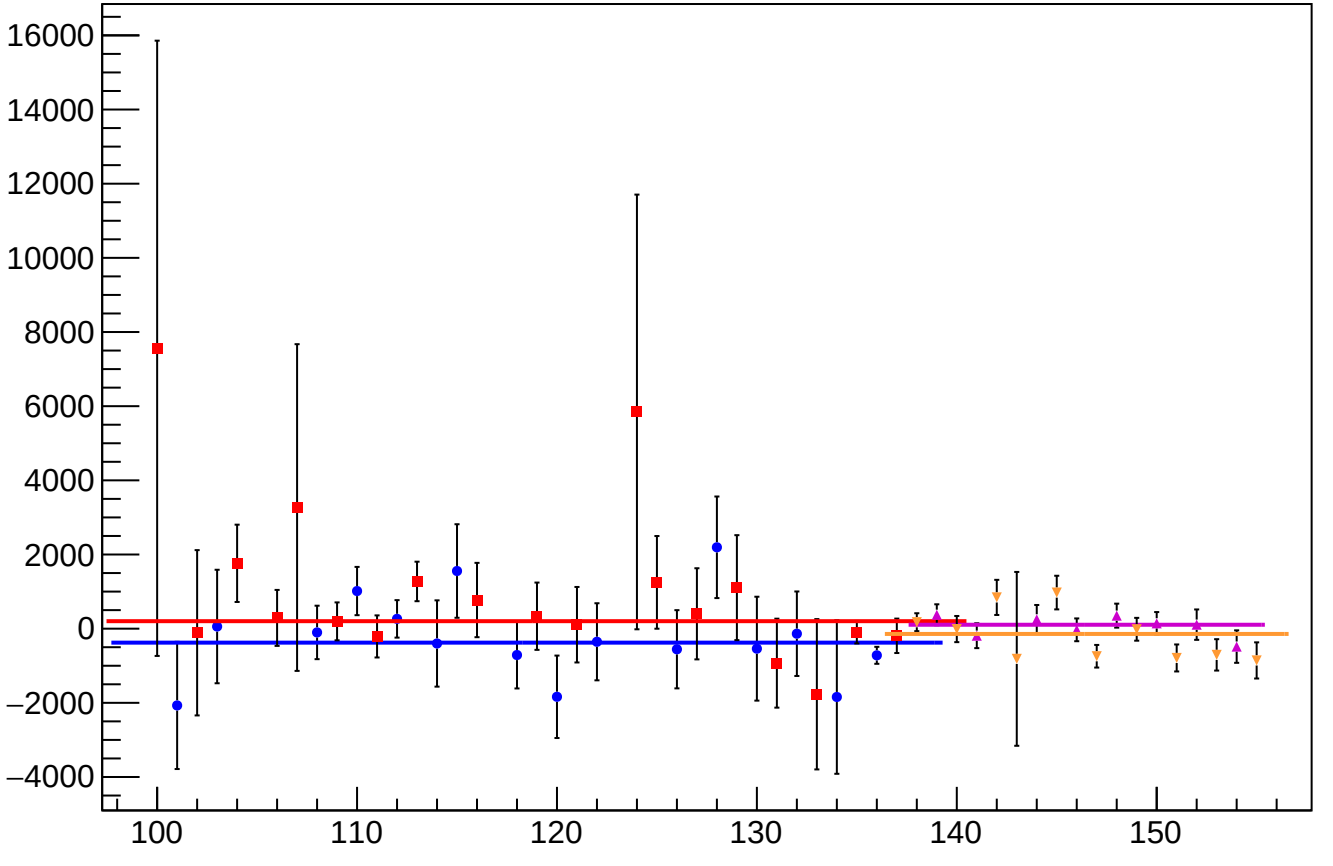
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1281.725+/-0.242 χ^2/NDF:531488.8/23

Out: 1302.560+/-0.239 χ^2/NDF:480780.2/28

All: 1292.306+/-0.170 χ^2/NDF: 1016019.9/52

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: -142.182+/-116.785 χ^2/NDF:23.5/9

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 105.646+/-119.289 χ^2/NDF:4.4/7

Left: -20.897+/-83.451 χ^2/NDF: 30.1/17

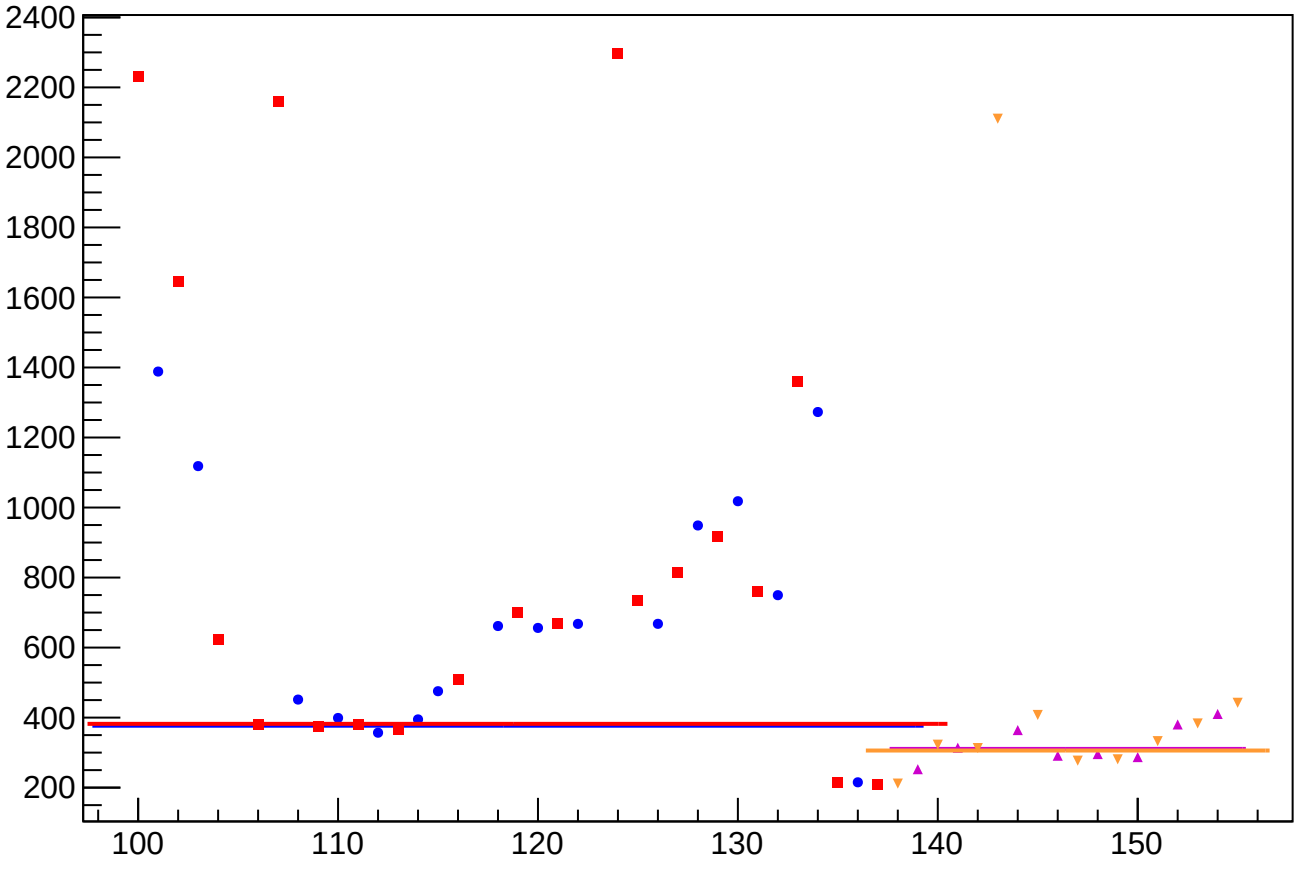
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -55.767+/-97.307 χ^2/NDF:27.8/23

Out: -31.234+/-96.146 χ^2/NDF:40.3/28

All: -43.353+/-68.392 χ^2/NDF: 68.2/52

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: 305.964+/-0.083 χ^2/NDF:1861726.1/9

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 310.563+/-0.084 χ^2/NDF:309059.4/7

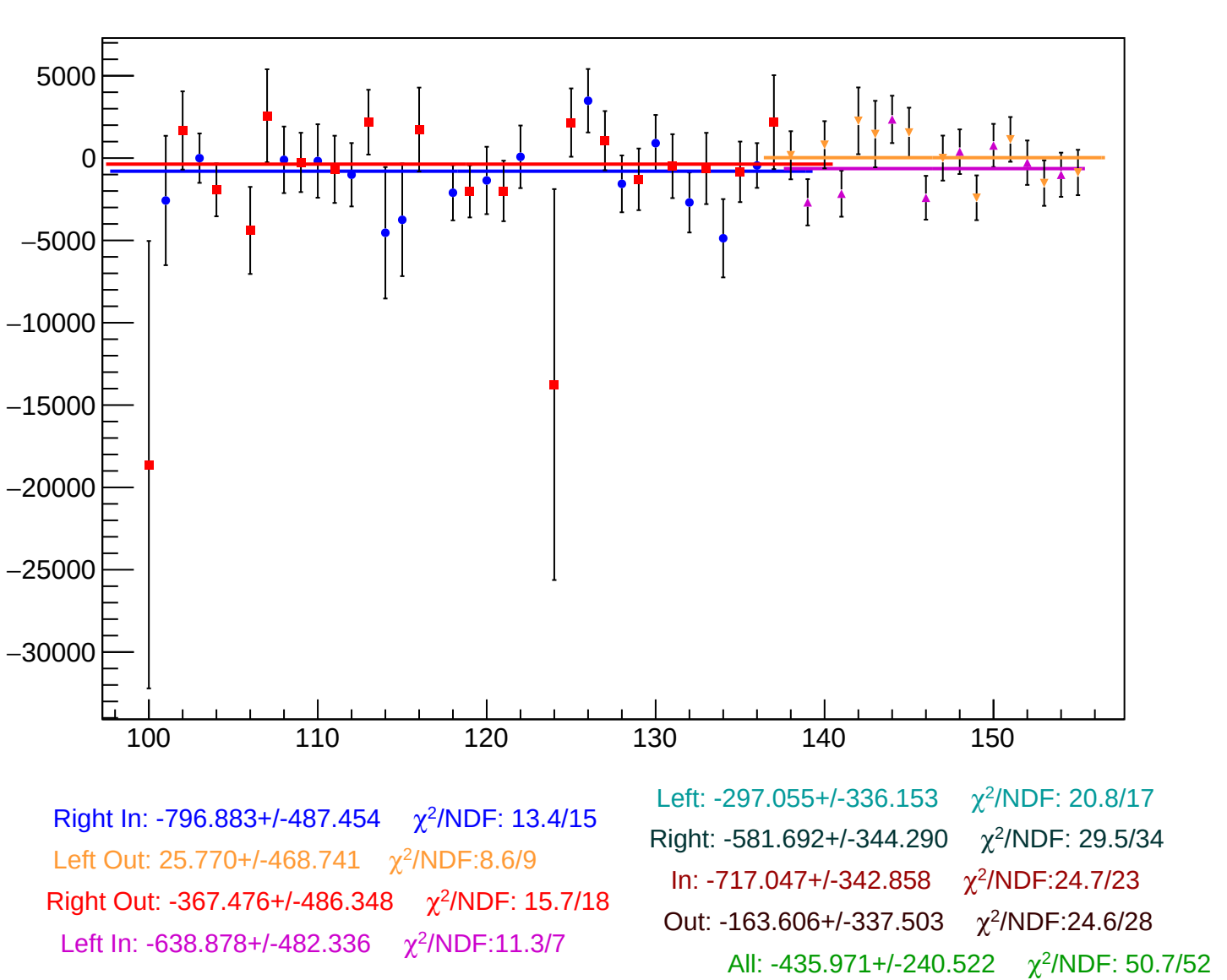
Left: 308.215+/-0.059 χ^2/NDF: 2172303.1/17

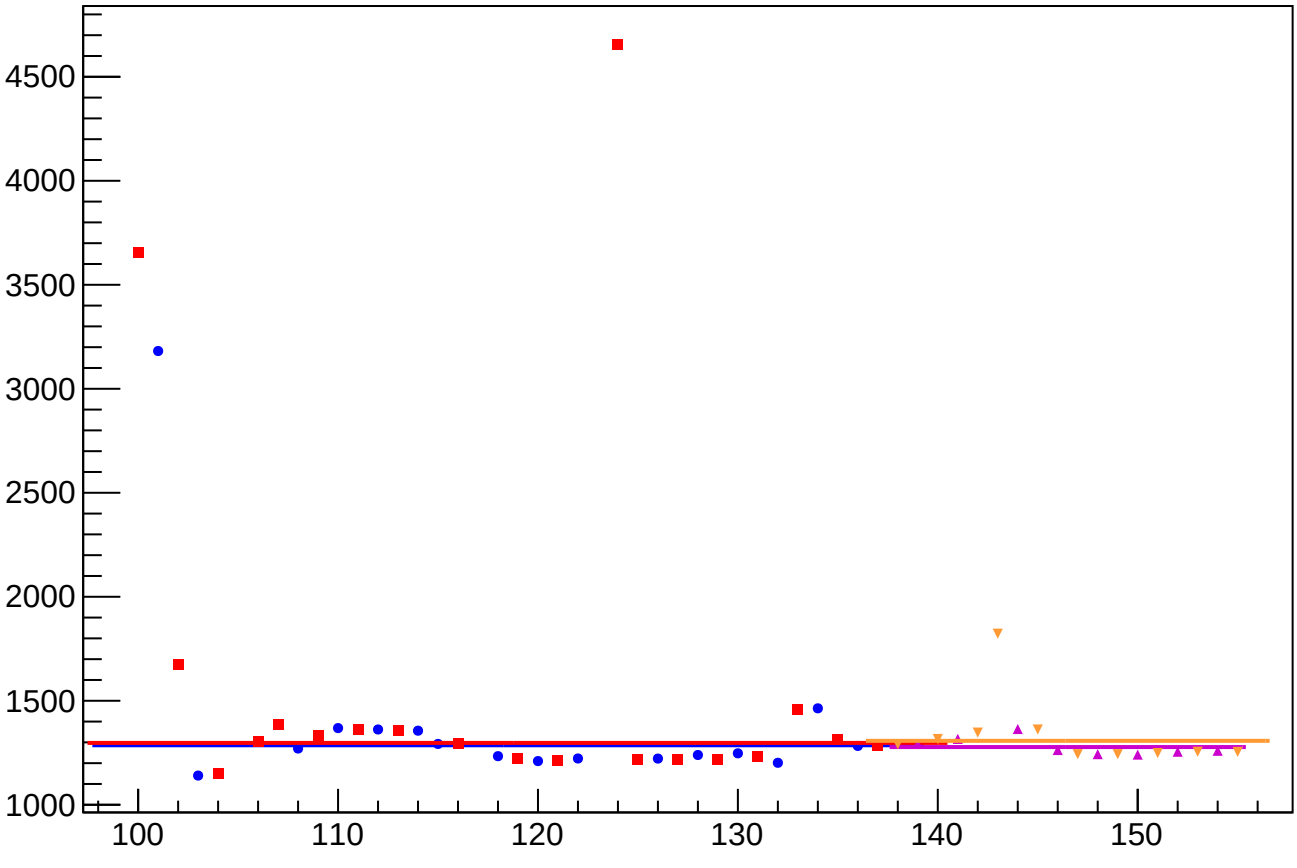
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 332.753+/-0.069 χ^2/NDF:4709234.7/23

Out: 330.508+/-0.068 χ^2/NDF:6195482.6/28

All: 331.617+/-0.048 χ^2/NDF: 10905256.1/52


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 25.770+/-468.741 χ²/NDF:8.6/9
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -638.878+/-482.336 χ²/NDF:11.3/7
Left: -297.055+/-336.153 χ²/NDF: 20.8/17
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -717.047+/-342.858 χ²/NDF:24.7/23
Out: -163.606+/-337.503 χ²/NDF:24.6/28
All: -435.971+/-240.522 χ²/NDF: 50.7/52



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1307.359+/-0.331 χ^2/NDF:152603.2/9

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1277.444+/-0.341 χ^2/NDF:13042.0/7

Left: 1292.829+/-0.238 χ^2/NDF: 169601.6/17

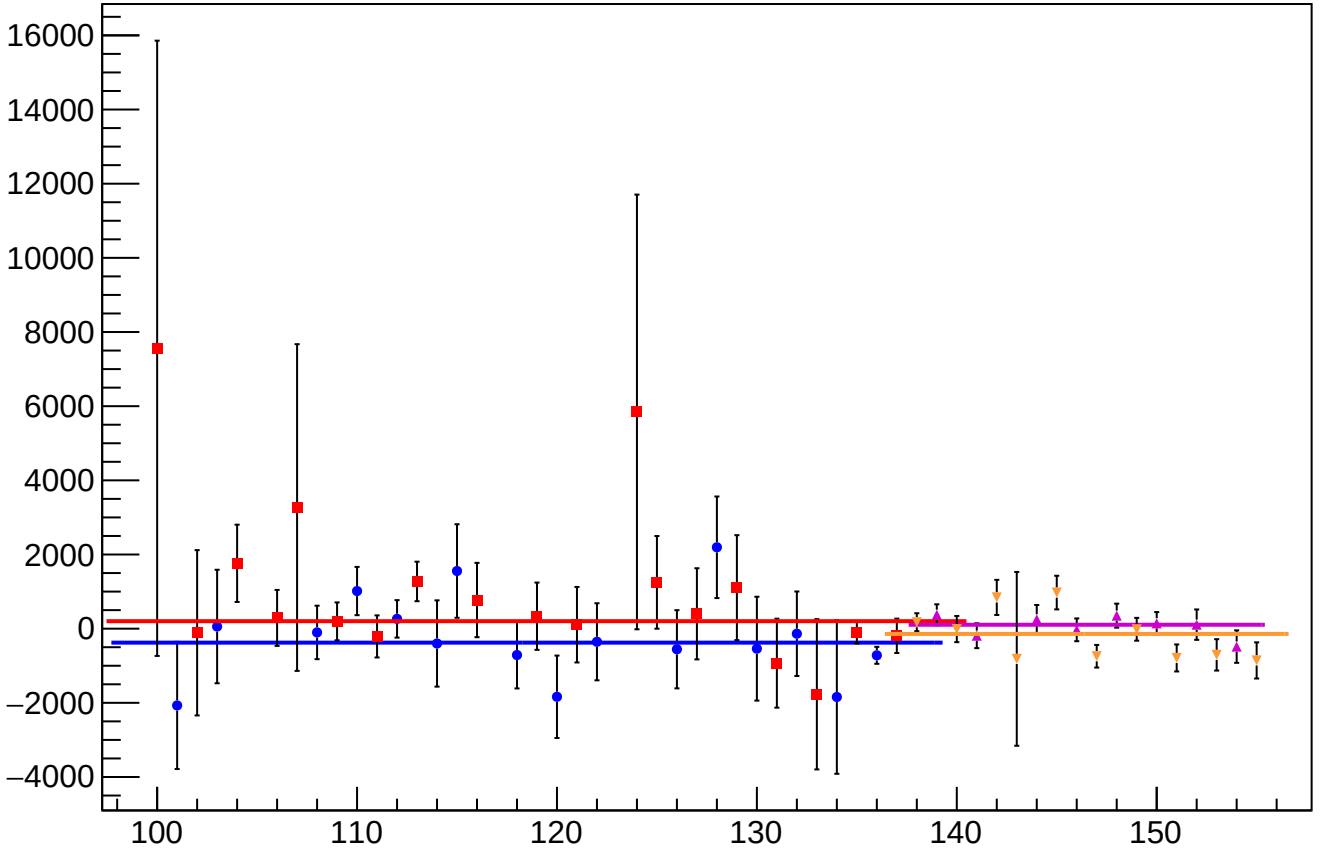
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1281.725+/-0.242 χ^2/NDF:531488.8/23

Out: 1302.560+/-0.239 χ^2/NDF:480780.2/28

All: 1292.306+/-0.170 χ^2/NDF: 1016019.9/52

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: -142.182+/-116.785 χ^2/NDF:23.5/9

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 105.646+/-119.289 χ^2/NDF:4.4/7

Left: -20.897+/-83.451 χ^2/NDF: 30.1/17

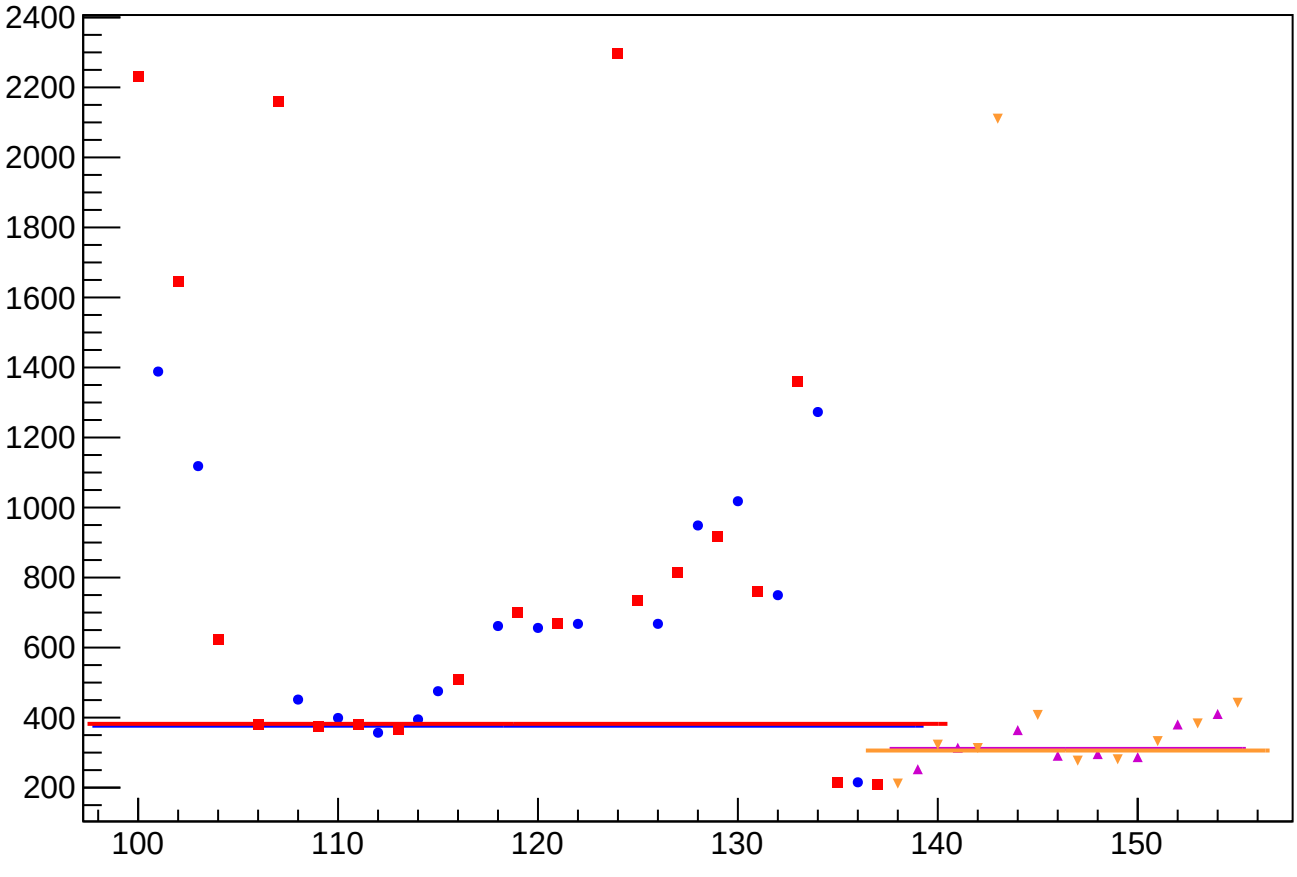
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -55.767+/-97.307 χ^2/NDF:27.8/23

Out: -31.234+/-96.146 χ^2/NDF:40.3/28

All: -43.353+/-68.392 χ^2/NDF: 68.2/52

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: 305.964+/-0.083 χ^2/NDF:1861726.1/9

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 310.563+/-0.084 χ^2/NDF:309059.4/7

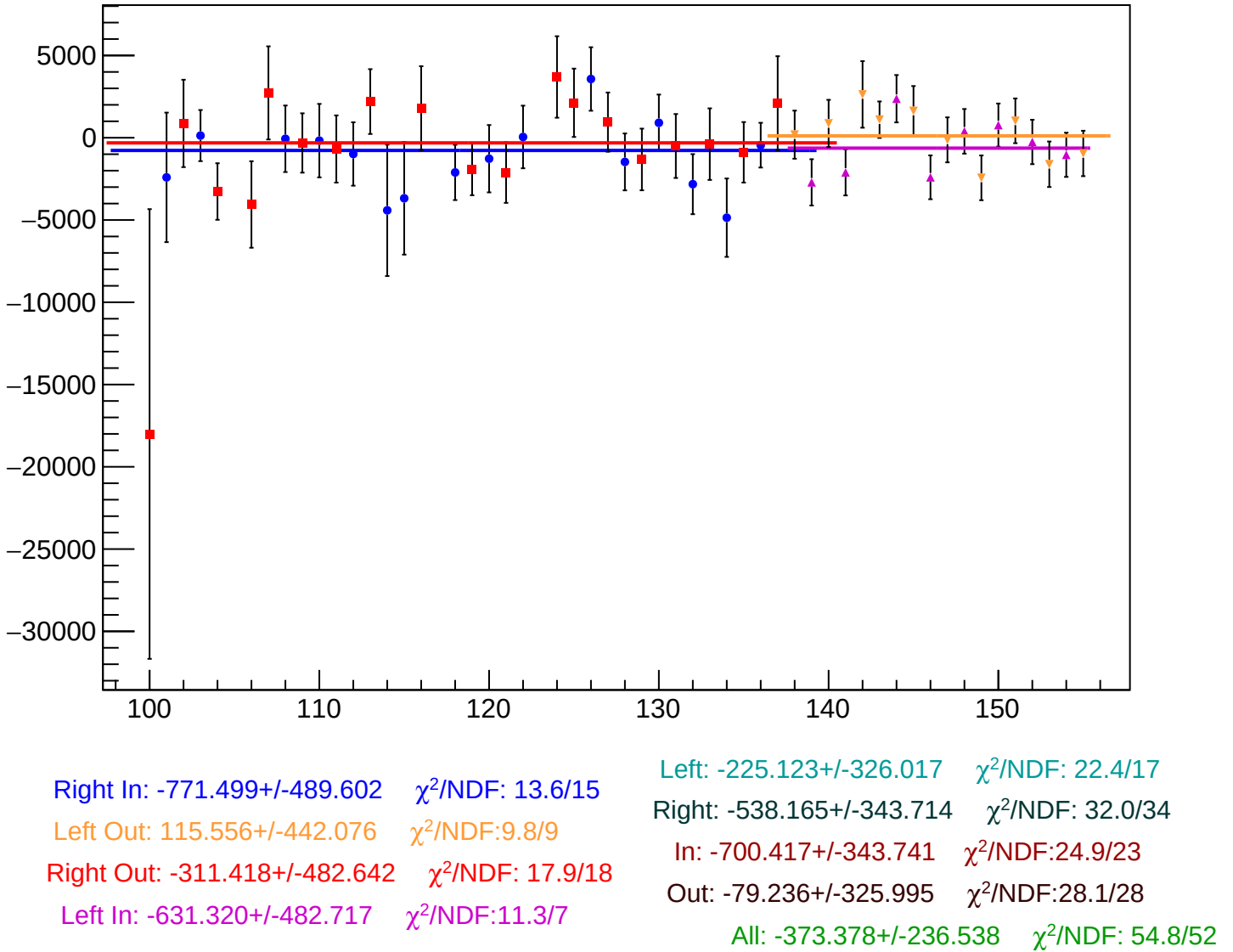
Left: 308.215+/-0.059 χ^2/NDF: 2172303.1/17

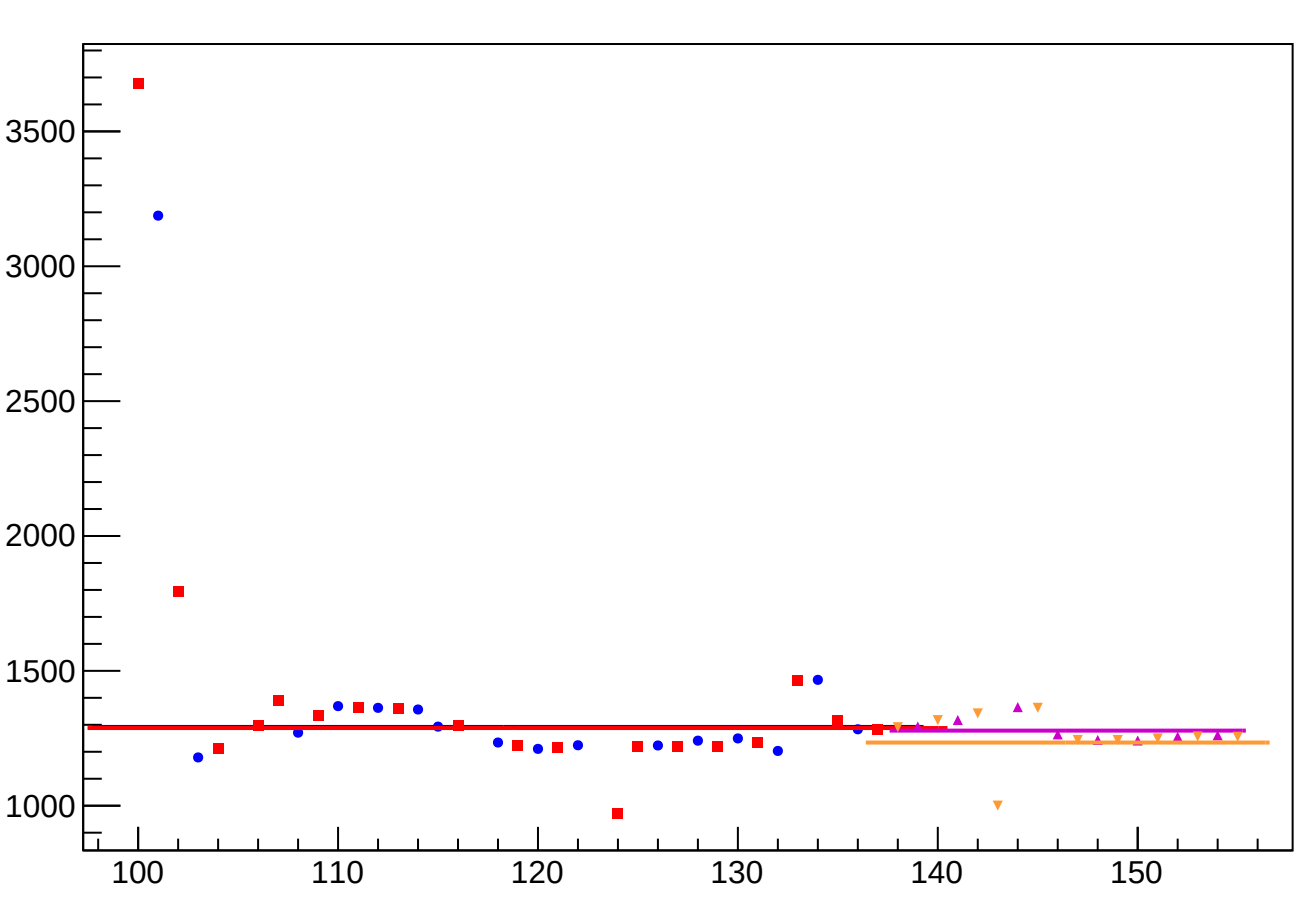
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 332.753+/-0.069 χ^2/NDF:4709234.7/23

Out: 330.508+/-0.068 χ^2/NDF:6195482.6/28

All: 331.617+/-0.048 χ^2/NDF: 10905256.1/52


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 115.556+/-442.076 χ²/NDF:9.8/9
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -631.320+/-482.717 χ²/NDF:11.3/7
Left: -225.123+/-326.017 χ²/NDF: 22.4/17
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -700.417+/-343.741 χ²/NDF:24.9/23
Out: -79.236+/-325.995 χ²/NDF:28.1/28
All: -373.378+/-236.538 χ²/NDF: 54.8/52



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1234.214+/-0.313 χ^2/NDF:120601.0/9

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1278.445+/-0.341 χ^2/NDF:13106.8/7

Left: 1254.389+/-0.231 χ^2/NDF: 142840.3/17

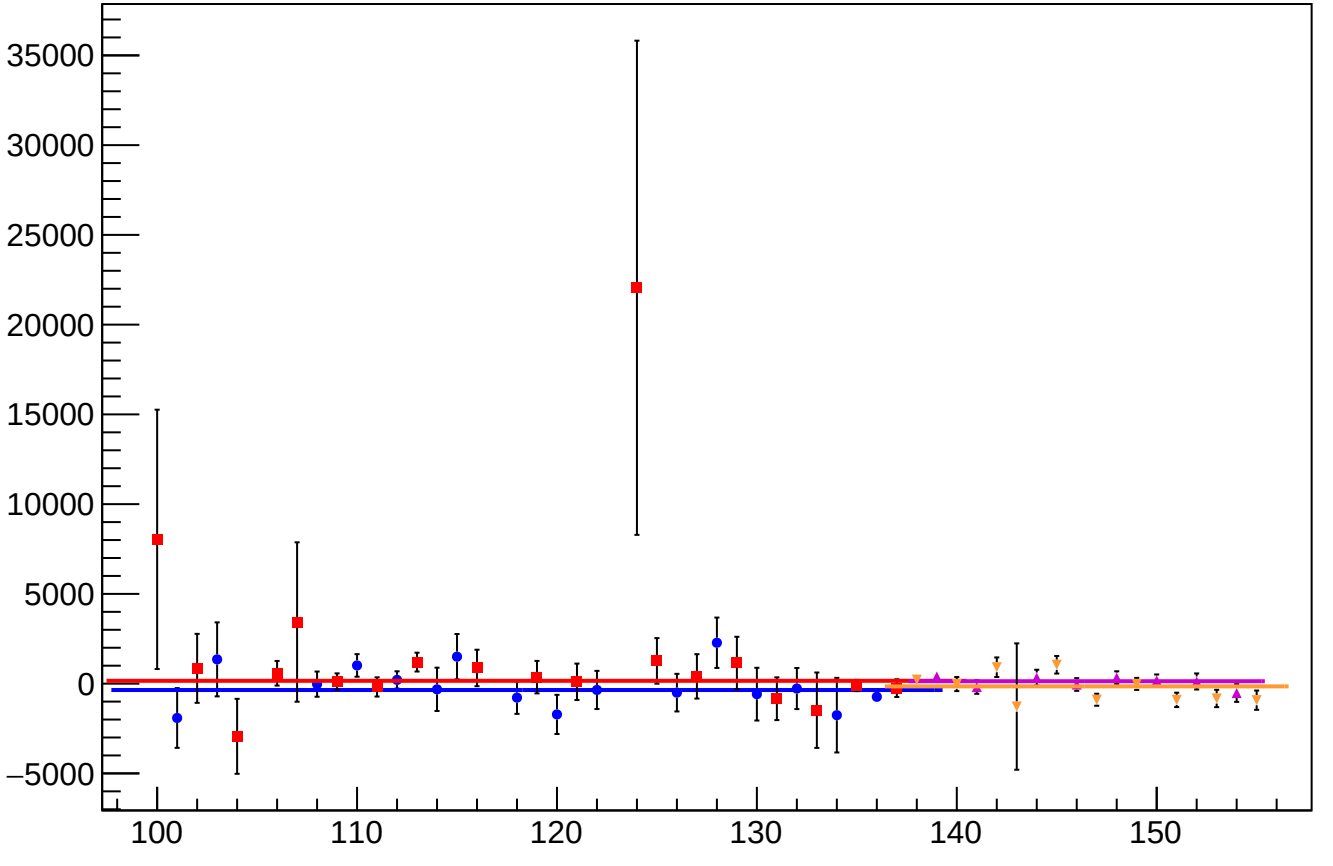
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1285.145+/-0.243 χ^2/NDF:523294.8/23

Out: 1258.747+/-0.231 χ^2/NDF:343310.7/28

All: 1271.247+/-0.167 χ^2/NDF: 872815.8/52

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: -152.579+/-126.272 χ^2/NDF:25.0/9

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 134.735+/-129.692 χ^2/NDF:4.2/7

Left: -12.761+/-90.473 χ^2/NDF: 31.8/17

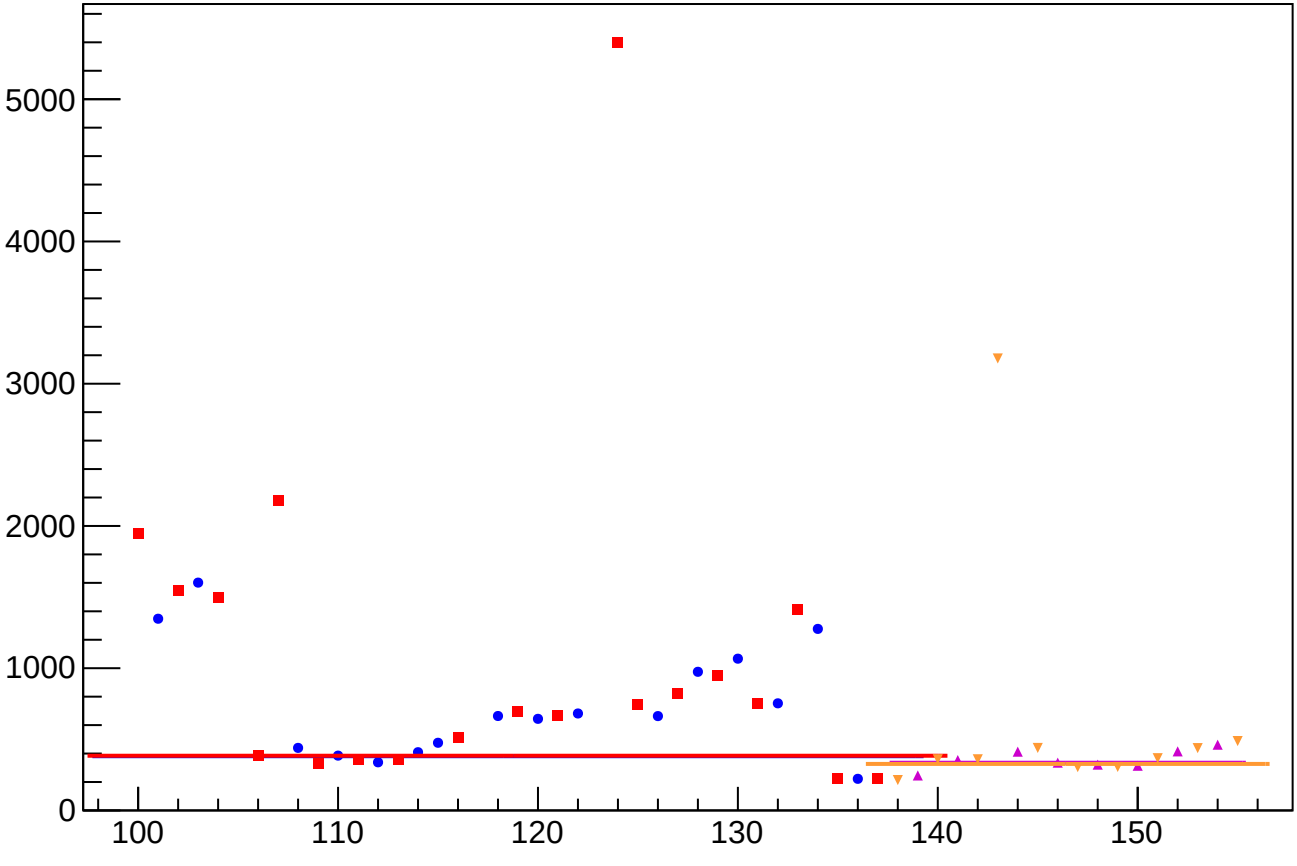
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -45.558+/-103.106 χ^2/NDF:27.9/23

Out: -41.898+/-101.297 χ^2/NDF:43.0/28

All: -43.695+/-72.259 χ^2/NDF: 70.9/52

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: 327.132+/-0.089 χ^2/NDF:2194151.6/9

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 335.410+/-0.092 χ^2/NDF:484388.5/7

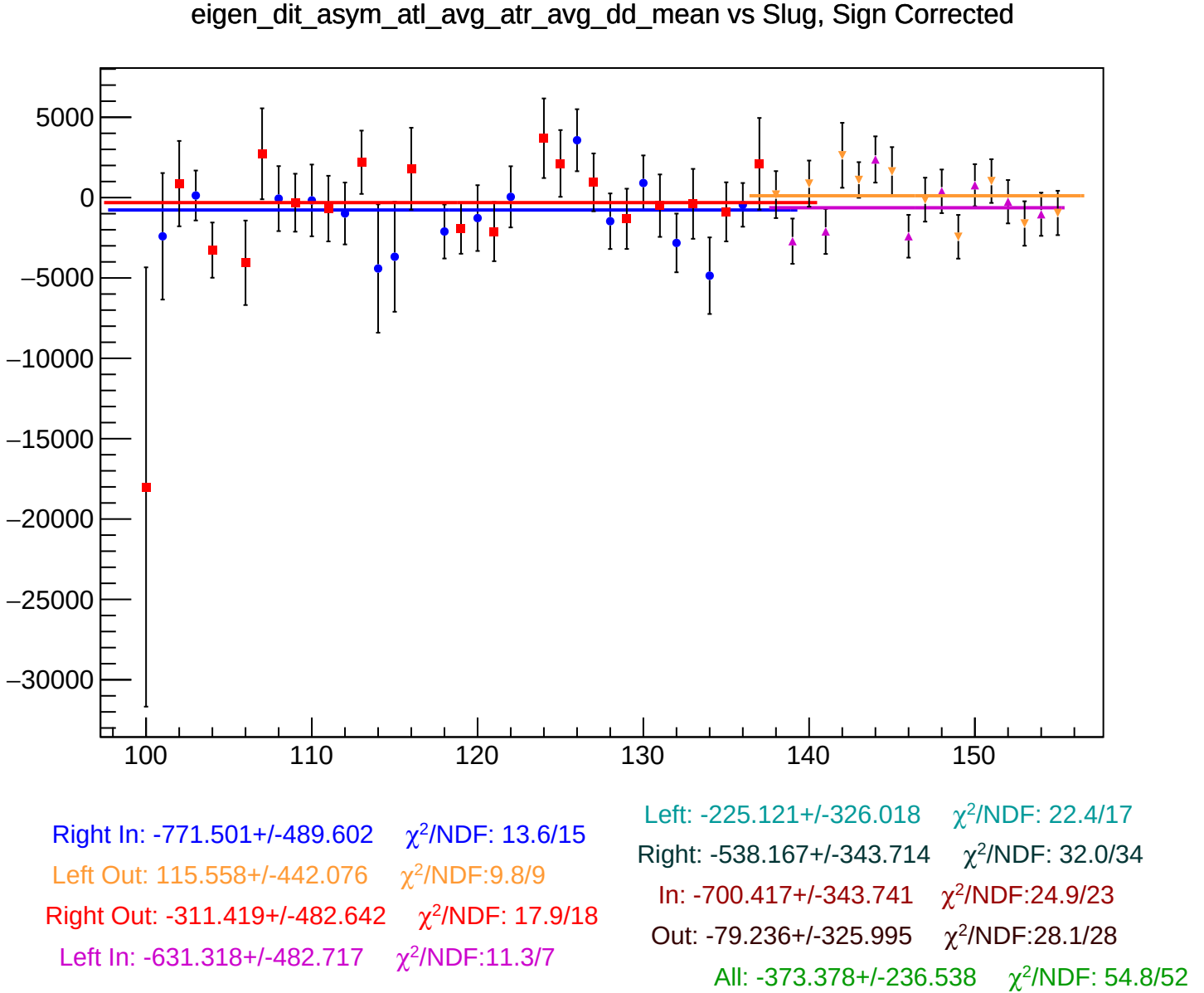
Left: 331.161+/-0.064 χ^2/NDF: 2682723.5/17

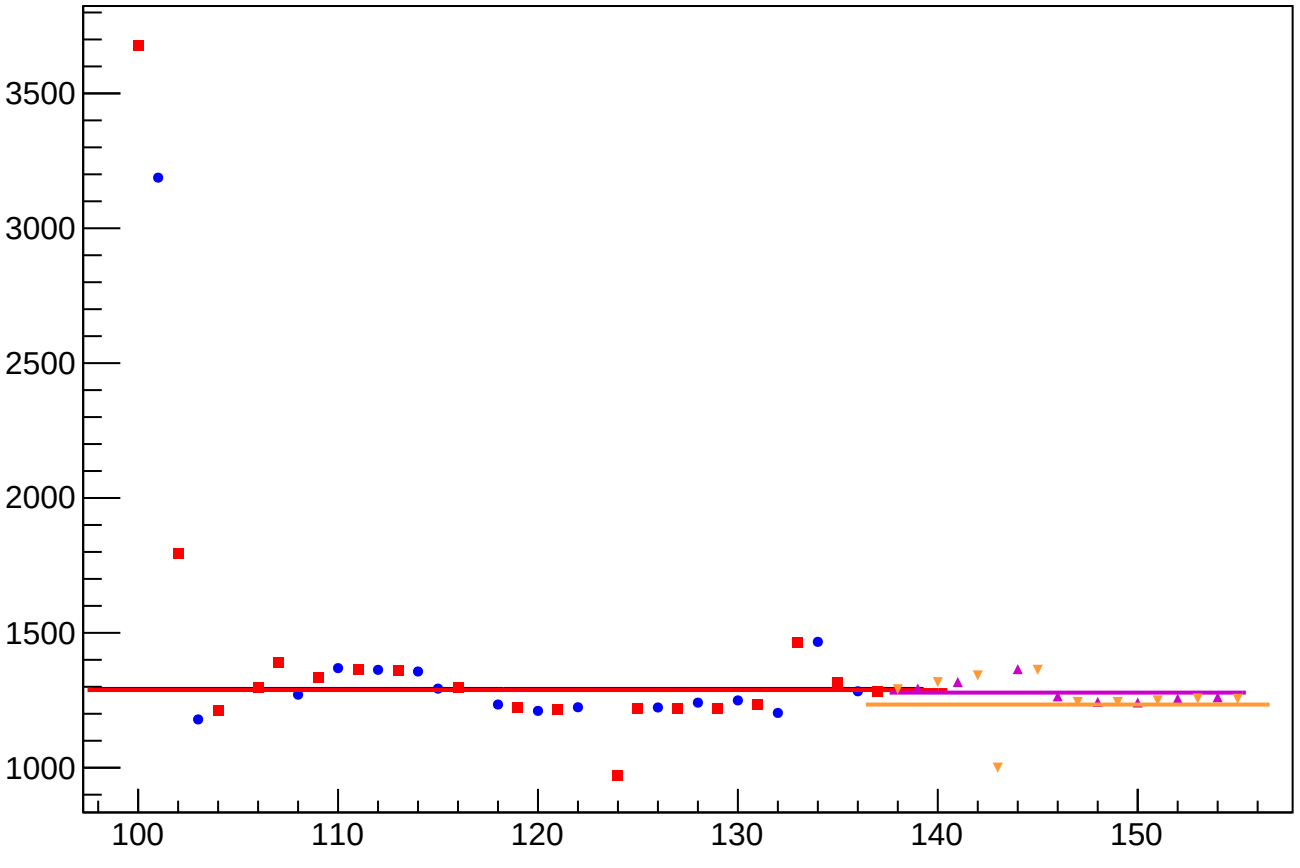
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 352.315+/-0.073 χ^2/NDF:4894647.7/23

Out: 347.635+/-0.072 χ^2/NDF:6902285.6/28

All: 349.933+/-0.051 χ^2/NDF: 11799029.8/52


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 115.558+/-442.076 χ²/NDF:9.8/9
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -631.318+/-482.717 χ²/NDF:11.3/7
Left: -225.121+/-326.018 χ²/NDF: 22.4/17
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -700.417+/-343.741 χ²/NDF:24.9/23
Out: -79.236+/-325.995 χ²/NDF:28.1/28
All: -373.378+/-236.538 χ²/NDF: 54.8/52



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1234.214+/-0.313 χ^2/NDF:120600.2/9

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1278.445+/-0.341 χ^2/NDF:13106.8/7

Left: 1254.389+/-0.231 χ^2/NDF: 142839.5/17

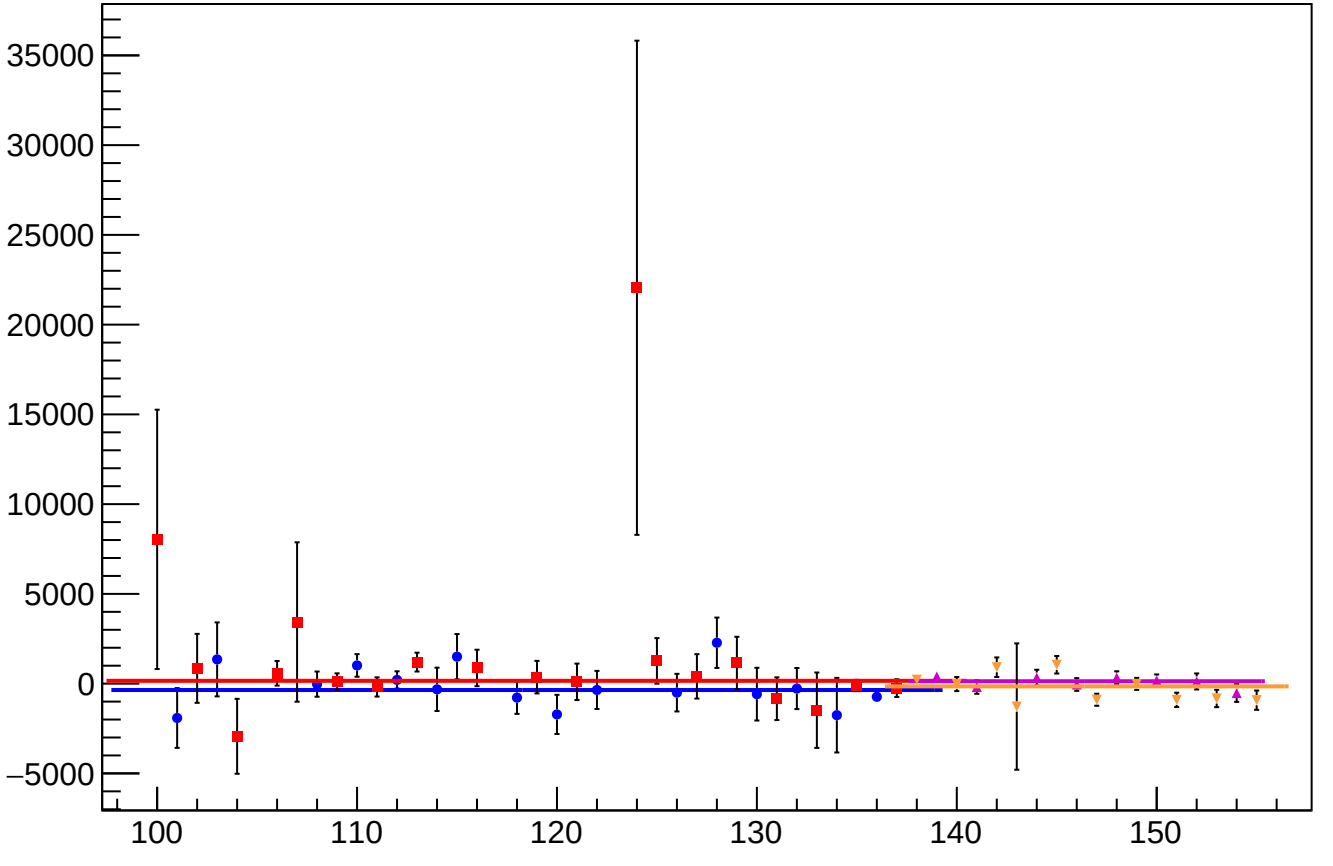
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1285.145+/-0.243 χ^2/NDF:523294.8/23

Out: 1258.747+/-0.231 χ^2/NDF:343310.1/28

All: 1271.247+/-0.167 χ^2/NDF: 872815.1/52

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: -152.589+/-126.274 χ^2/NDF:25.0/9

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 134.735+/-129.694 χ^2/NDF:4.2/7

Left: -12.765+/-90.474 χ^2/NDF: 31.8/17

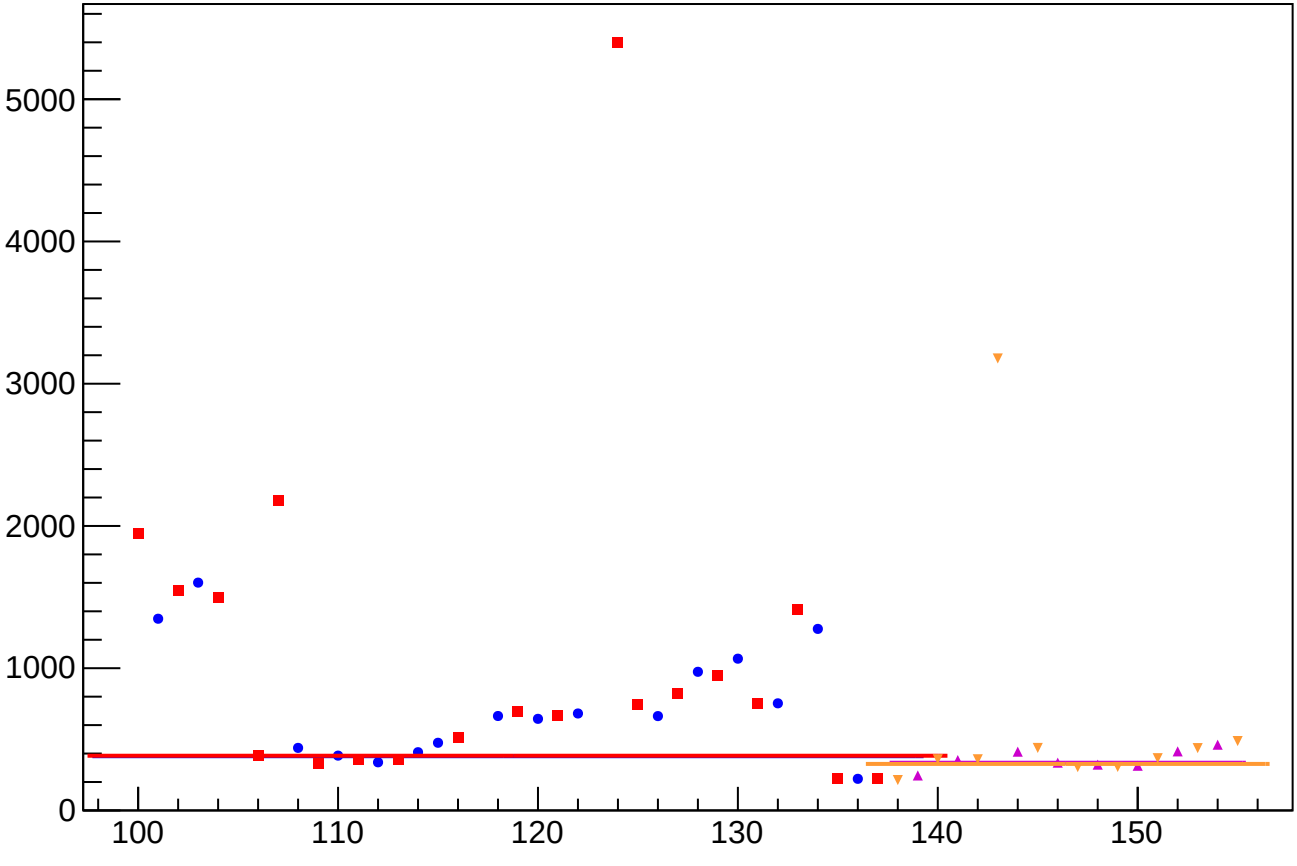
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -45.556+/-103.107 χ^2/NDF:27.9/23

Out: -41.902+/-101.298 χ^2/NDF:43.0/28

All: -43.697+/-72.260 χ^2/NDF: 70.9/52

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 327.139+/-0.089 χ^2/NDF:2194008.2/9

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 335.415+/-0.092 χ^2/NDF:484305.4/7

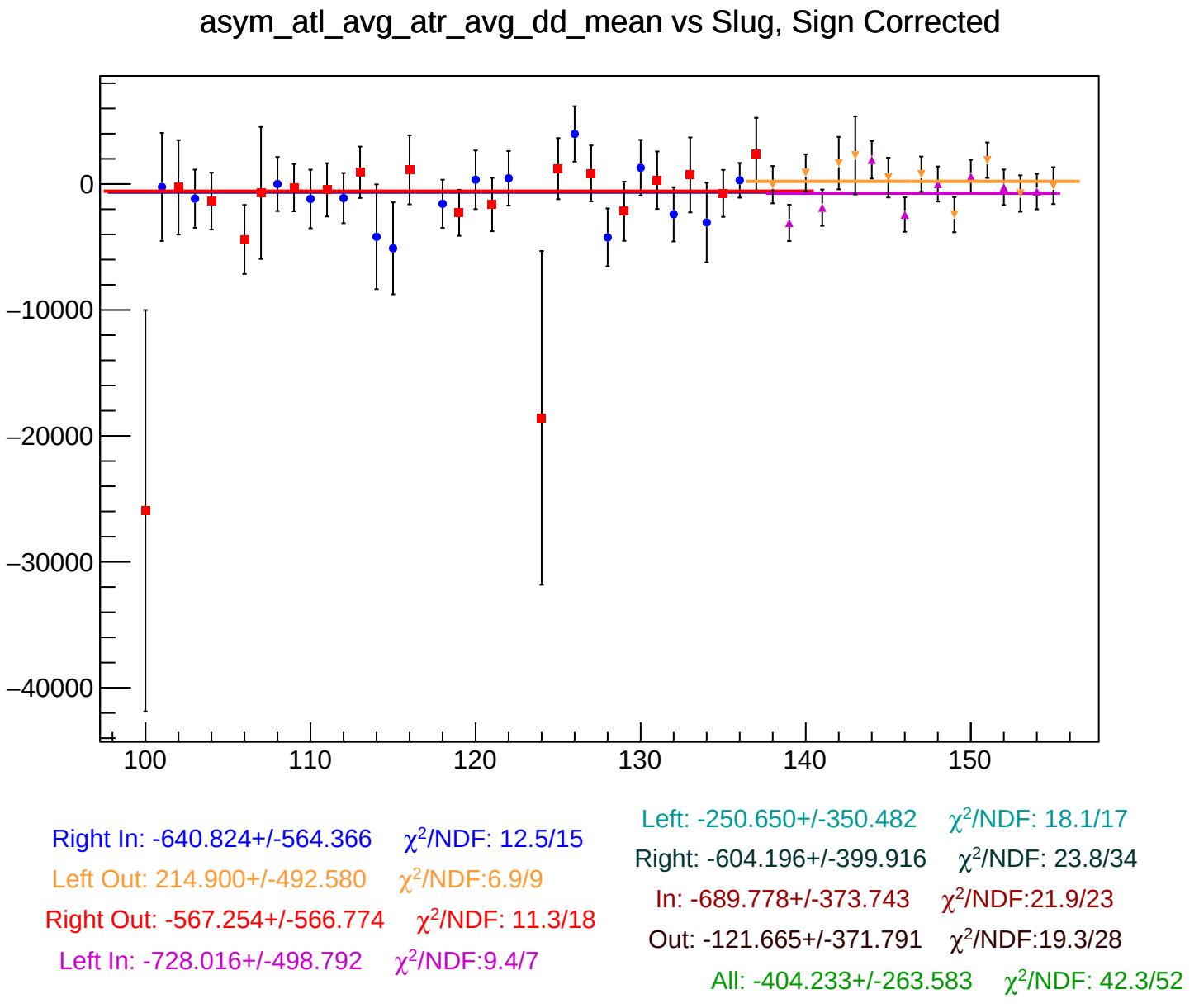
Left: 331.167+/-0.064 χ^2/NDF: 2682494.8/17

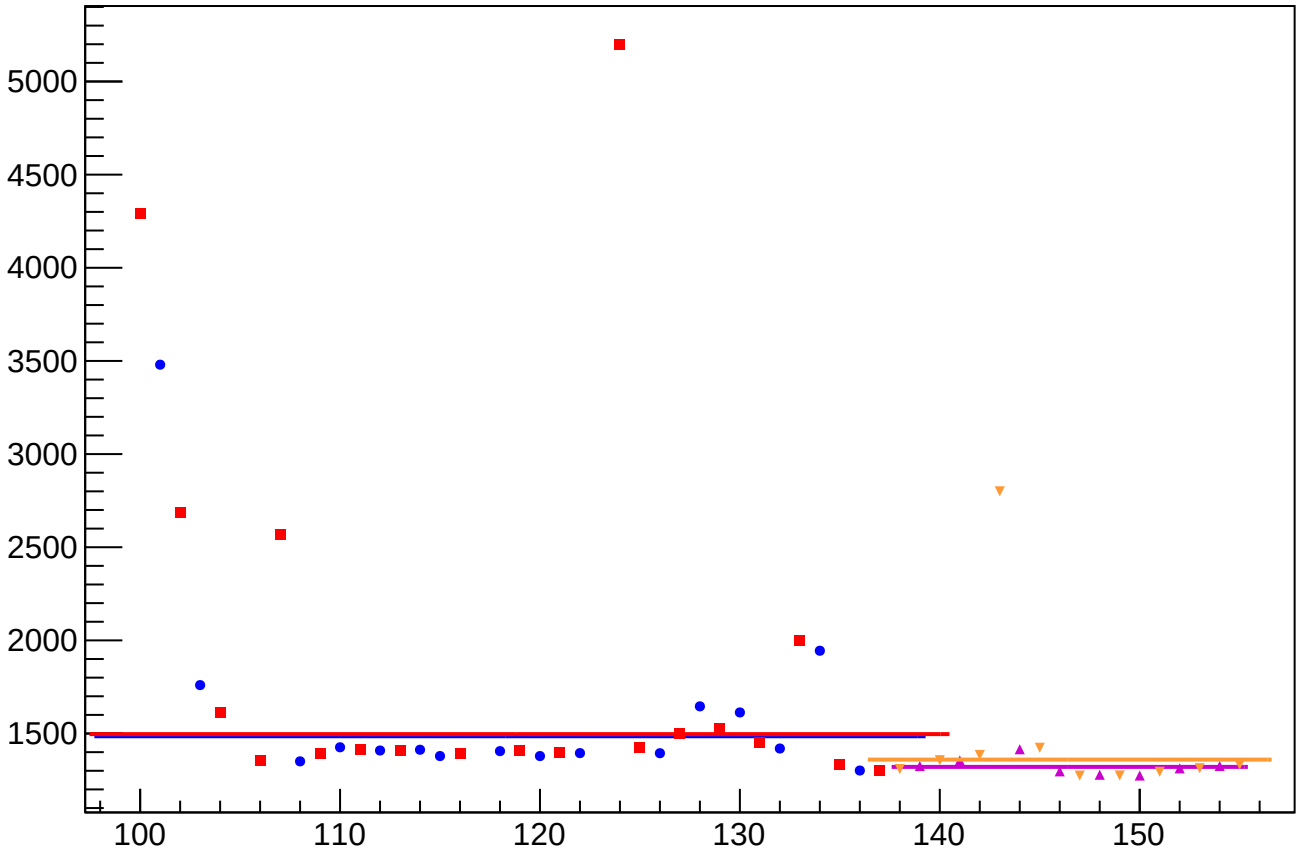
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 352.321+/-0.073 χ^2/NDF:4894396.7/23

Out: 347.642+/-0.072 χ^2/NDF:6902001.6/28

All: 349.940+/-0.051 χ^2/NDF: 11798494.1/52


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: 214.900+/-492.580 χ²/NDF:6.9/9
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -728.016+/-498.792 χ²/NDF:9.4/7
Left: -250.650+/-350.482 χ²/NDF: 18.1/17
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -689.778+/-373.743 χ²/NDF:21.9/23
Out: -121.665+/-371.791 χ²/NDF:19.3/28
All: -404.233+/-263.583 χ²/NDF: 42.3/52



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1360.086+/-0.348 χ^2/NDF:458665.9/9

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1320.924+/-0.353 χ^2/NDF:14124.2/7

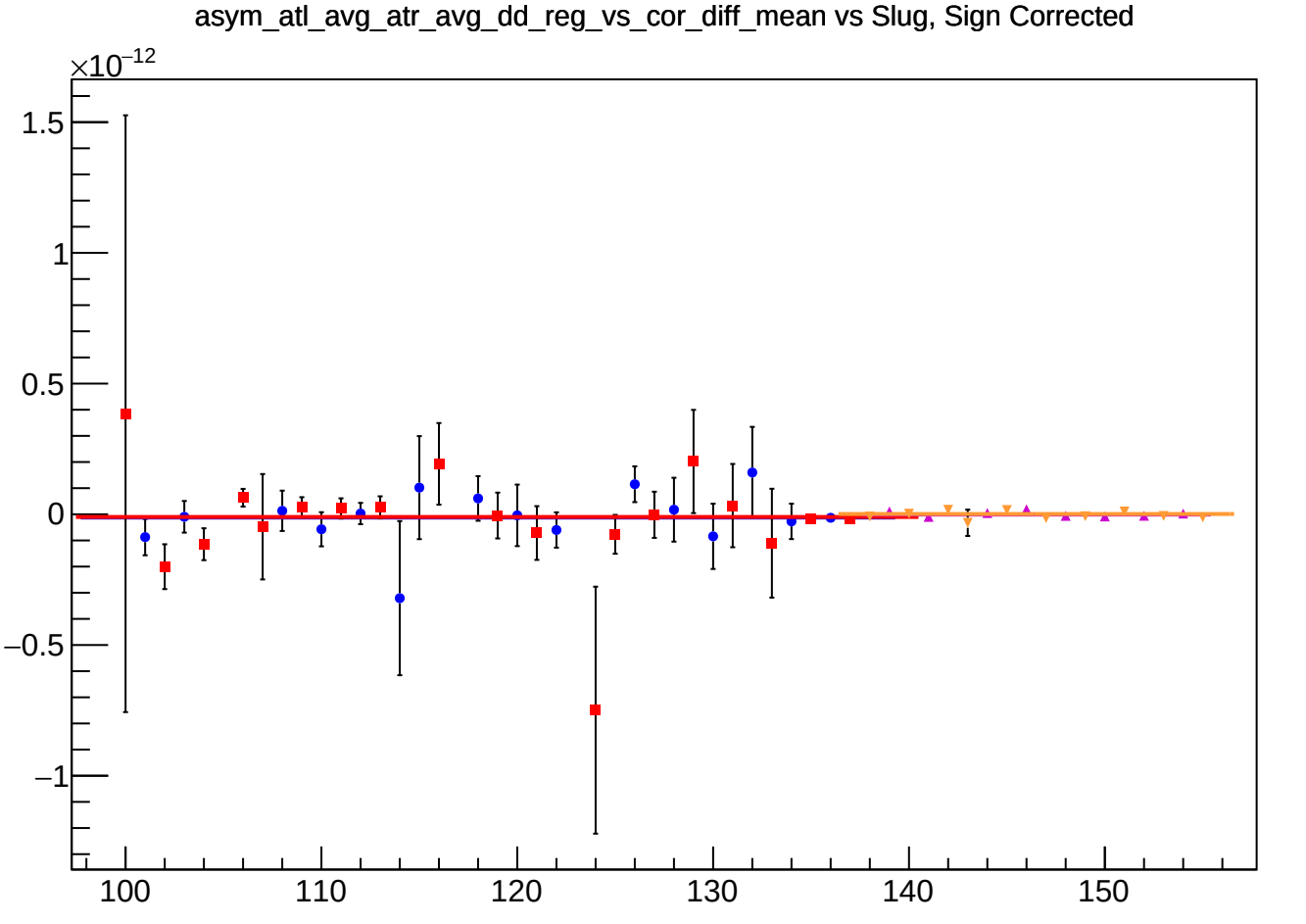
Left: 1340.751+/-0.248 χ^2/NDF: 479031.7/17

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1393.043+/-0.264 χ^2/NDF:693931.3/23

Out: 1418.943+/-0.263 χ^2/NDF:1148316.7/28

All: 1406.061+/-0.186 χ^2/NDF: 1847075.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/7

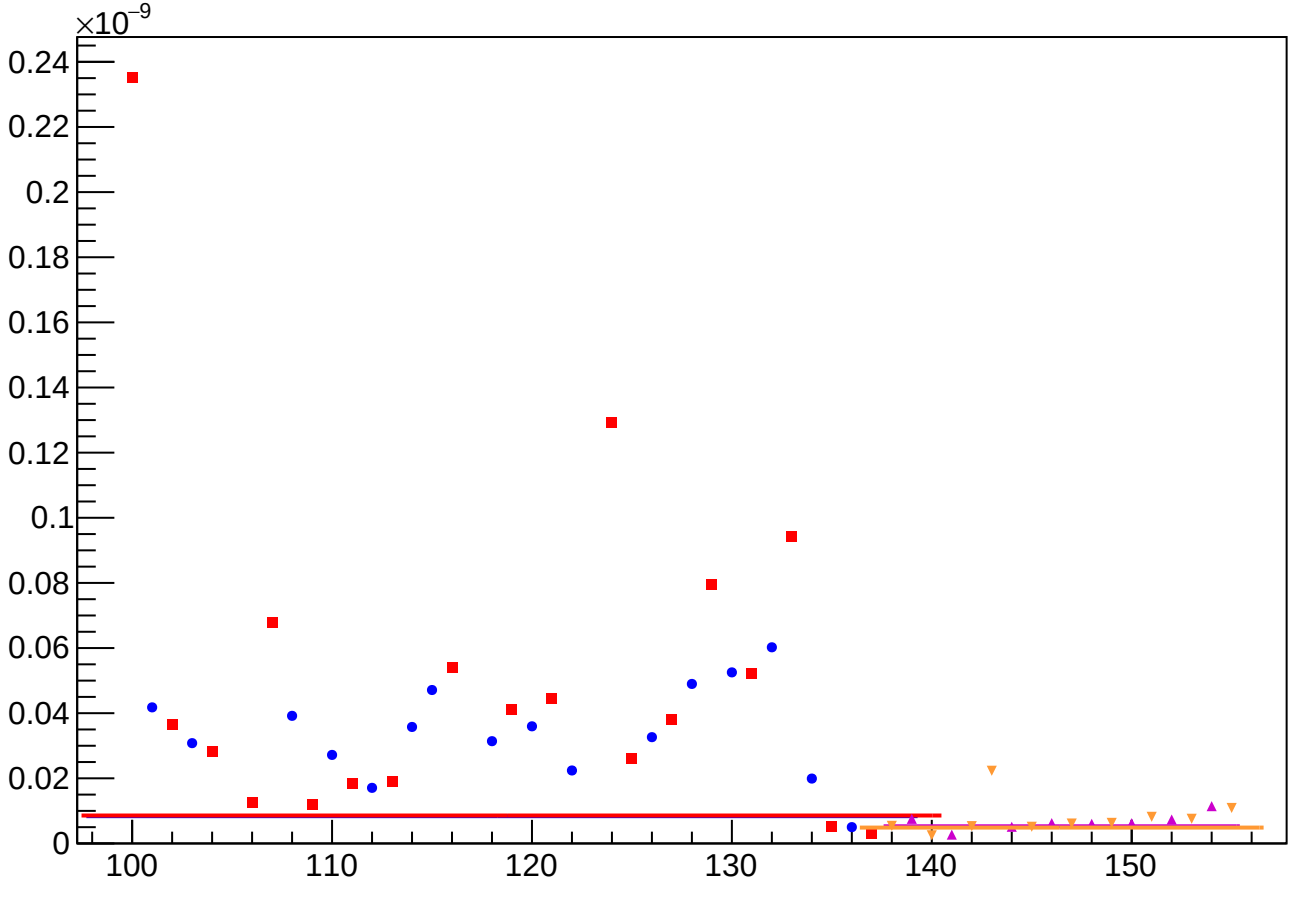
Left: 0.000+/-0.000 χ^2/NDF: 20.0/17

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:20.4/23

Out: -0.000+/-0.000 χ^2/NDF:34.9/28

All: -0.000+/-0.000 χ^2/NDF: 55.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1252627.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:810675.9/7

Left: 0.000+/-0.000 χ^2/NDF: 2079689.4/17

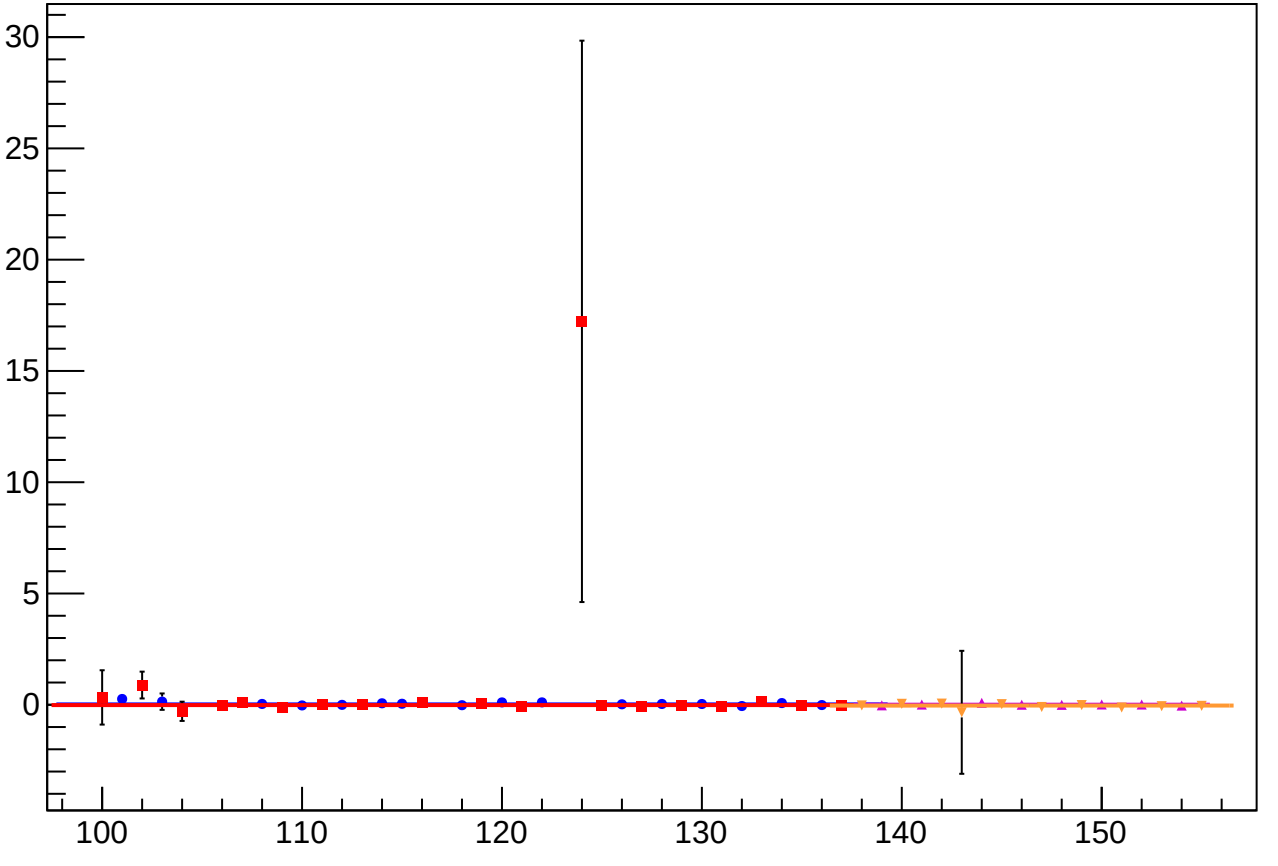
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4161024.4/23

Out: 0.000+/-0.000 χ^2/NDF:4974849.0/28

All: 0.000+/-0.000 χ^2/NDF: 9159904.8/52

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: -0.035+/-0.014 χ^2/NDF:15.3/9

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.016+/-0.010 χ^2/NDF: 23.2/17

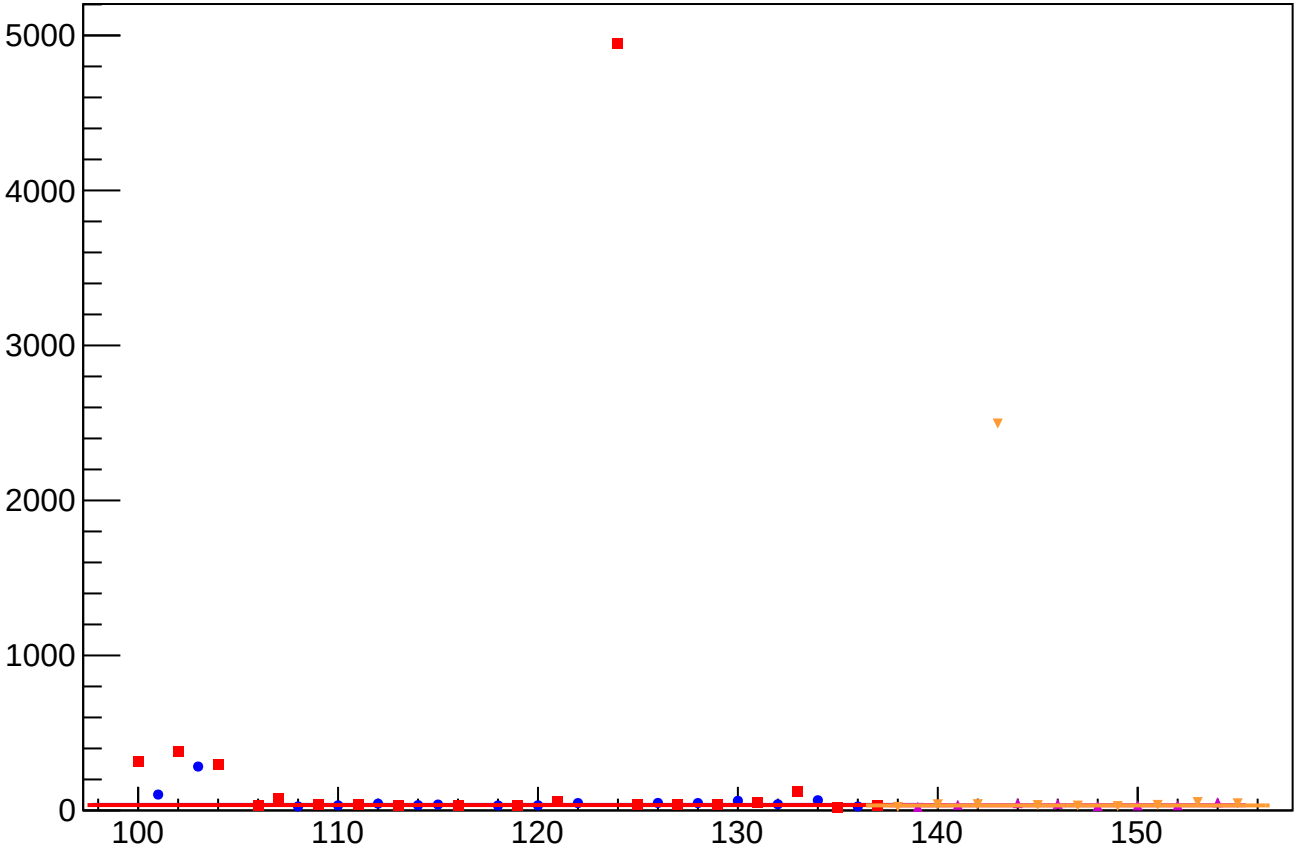
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.026+/-0.010 χ^2/NDF:32.4/28

All: -0.008+/-0.007 χ^2/NDF: 54.1/52

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: 32.503+/-0.010 χ^2/NDF:2349928.5/9

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.711+/-0.010 χ^2/NDF:717419.2/7

Left: 33.081+/-0.007 χ^2/NDF: 3075010.8/17

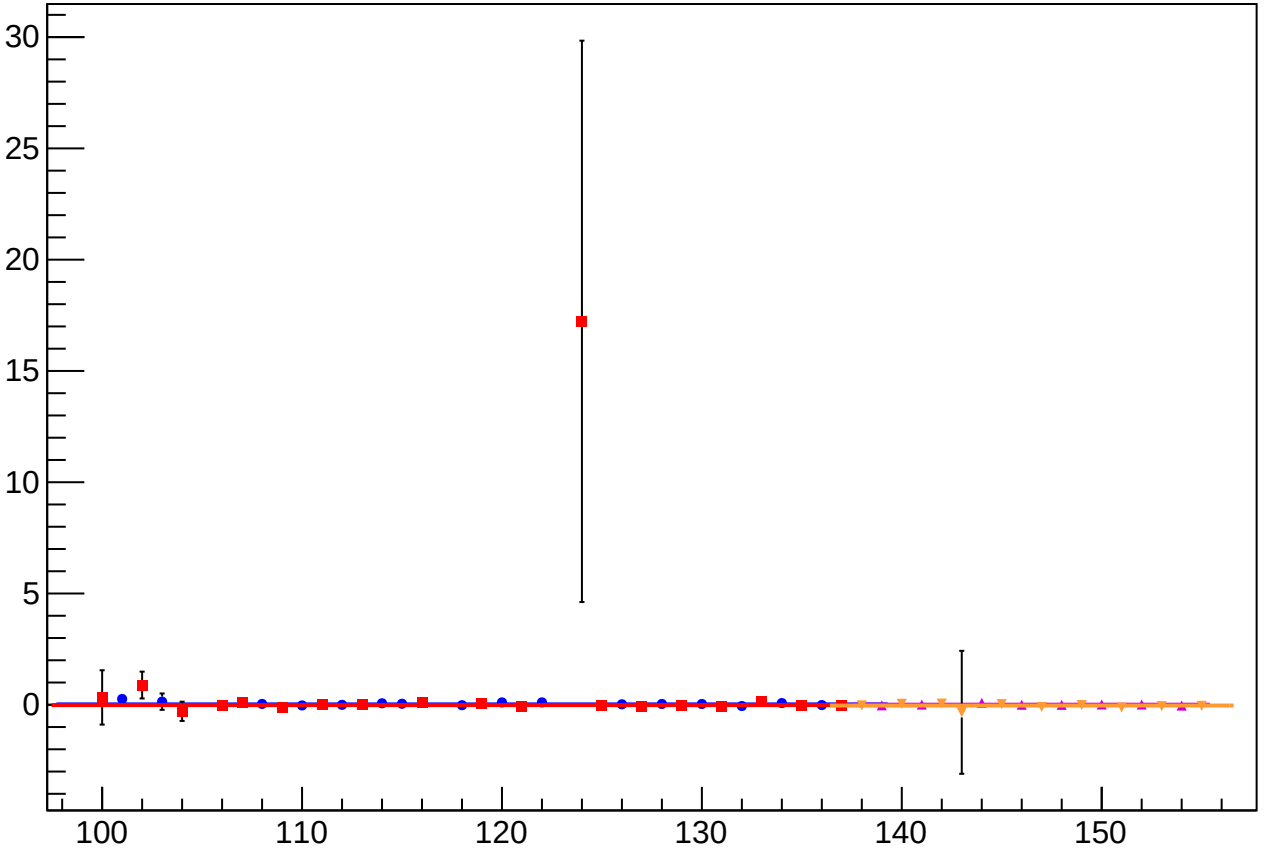
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.634+/-0.007 χ^2/NDF:3001059.3/23

Out: 33.484+/-0.007 χ^2/NDF:5288751.3/28

All: 34.048+/-0.005 χ^2/NDF: 8302246.5/52

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.035+/-0.014 χ^2/NDF:15.3/9

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.016+/-0.010 χ^2/NDF: 23.2/17

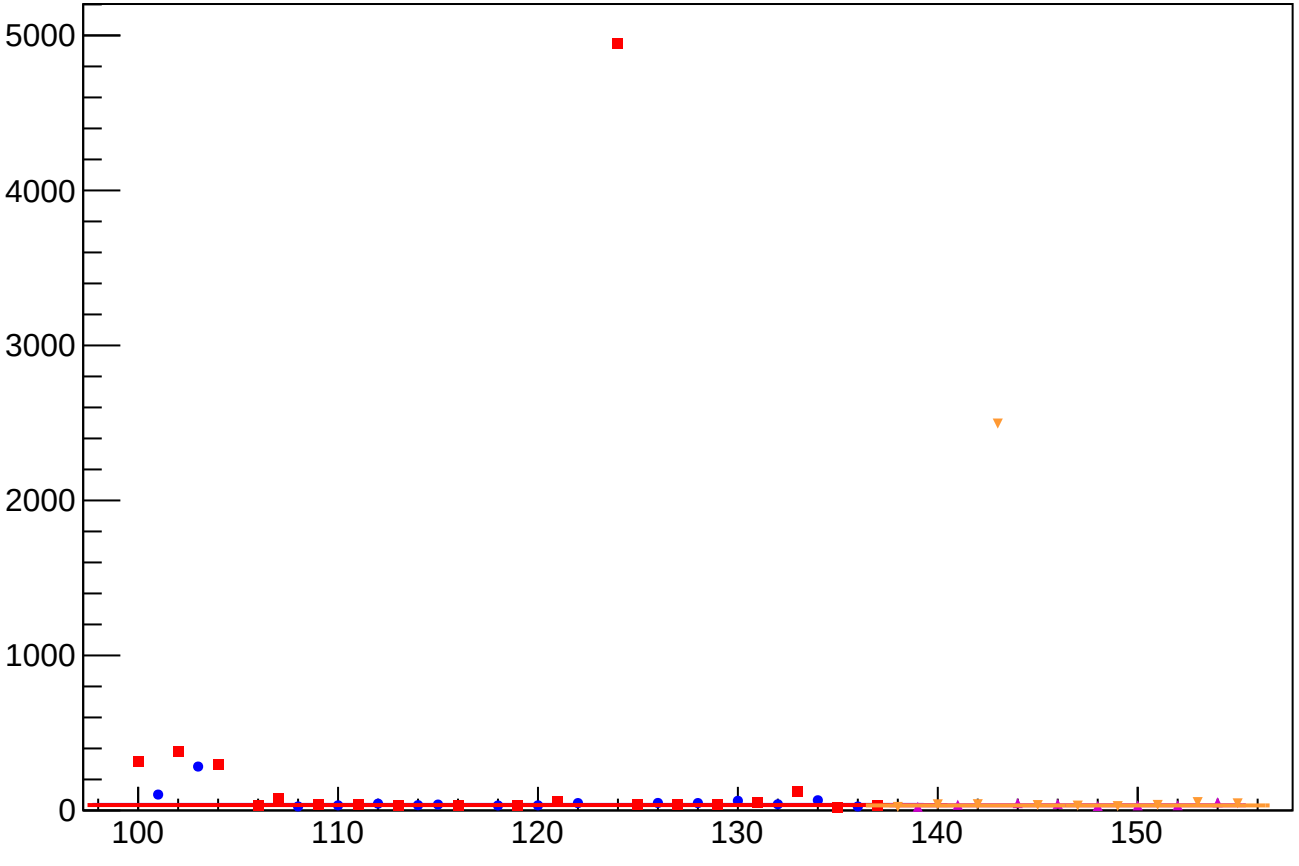
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.026+/-0.010 χ^2/NDF:32.4/28

All: -0.008+/-0.007 χ^2/NDF: 54.1/52

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: 32.503+/-0.010 χ^2/NDF:2349928.5/9

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.711+/-0.010 χ^2/NDF:717419.2/7

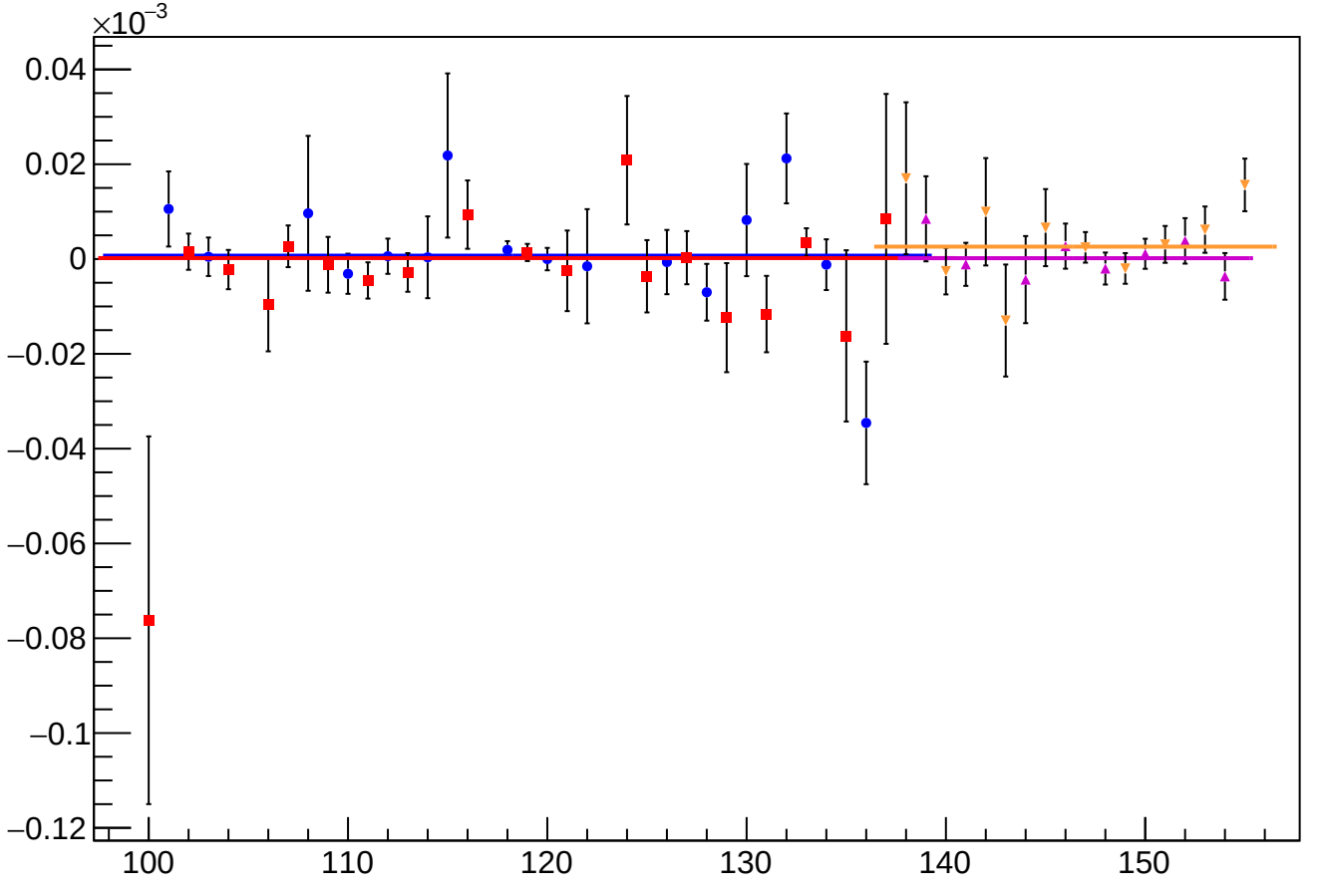
Left: 33.081+/-0.007 χ^2/NDF: 3075010.8/17

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.634+/-0.007 χ^2/NDF:3001059.3/23

Out: 33.484+/-0.007 χ^2/NDF:5288751.3/28

All: 34.048+/-0.005 χ^2/NDF: 8302246.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/7

Left: 0.000+/-0.000 χ^2/NDF: 16.7/17

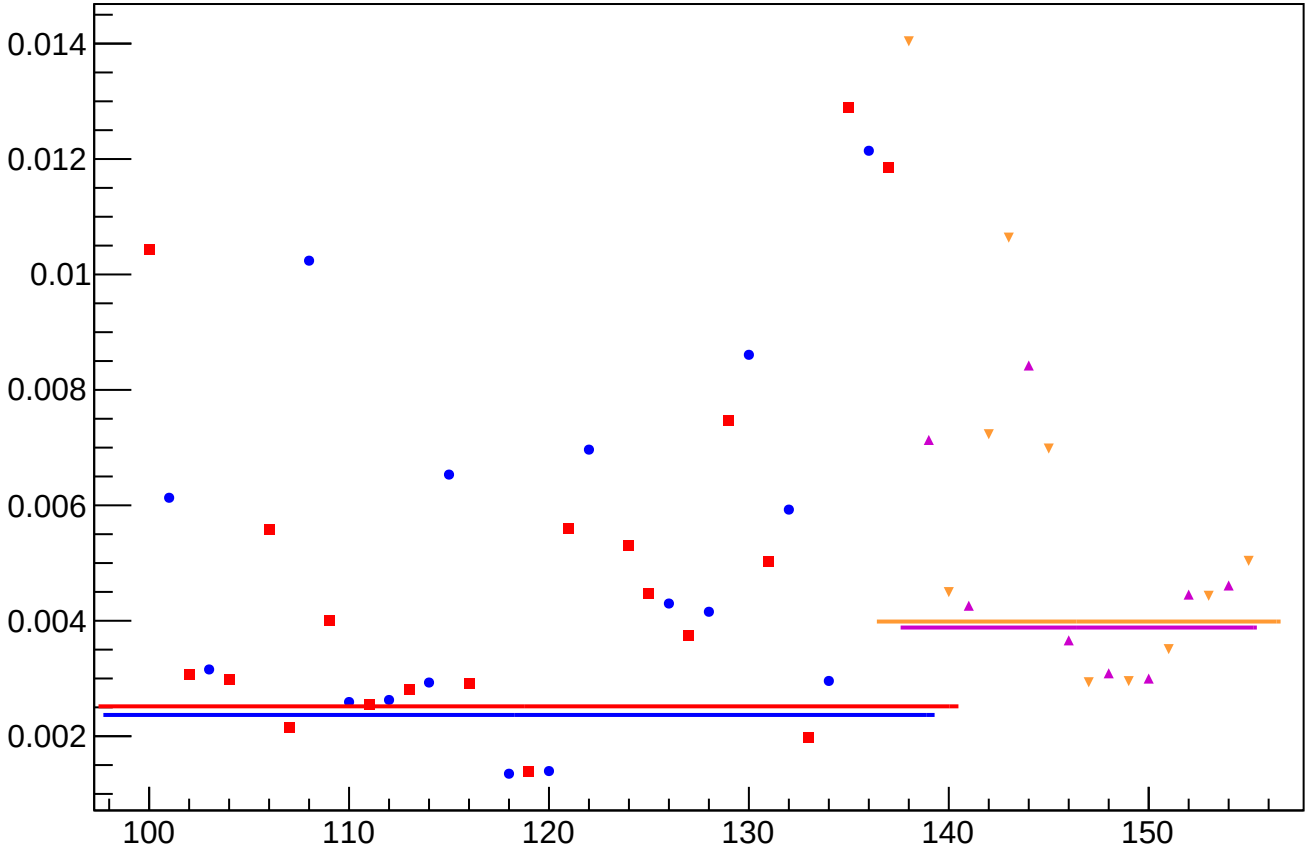
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.3/23

Out: 0.000+/-0.000 χ^2/NDF:32.1/28

All: 0.000+/-0.000 χ^2/NDF: 54.5/52

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2413689.4/9

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1107084.4/7

Left: 0.004+/-0.000 χ^2/NDF: 3525074.5/17

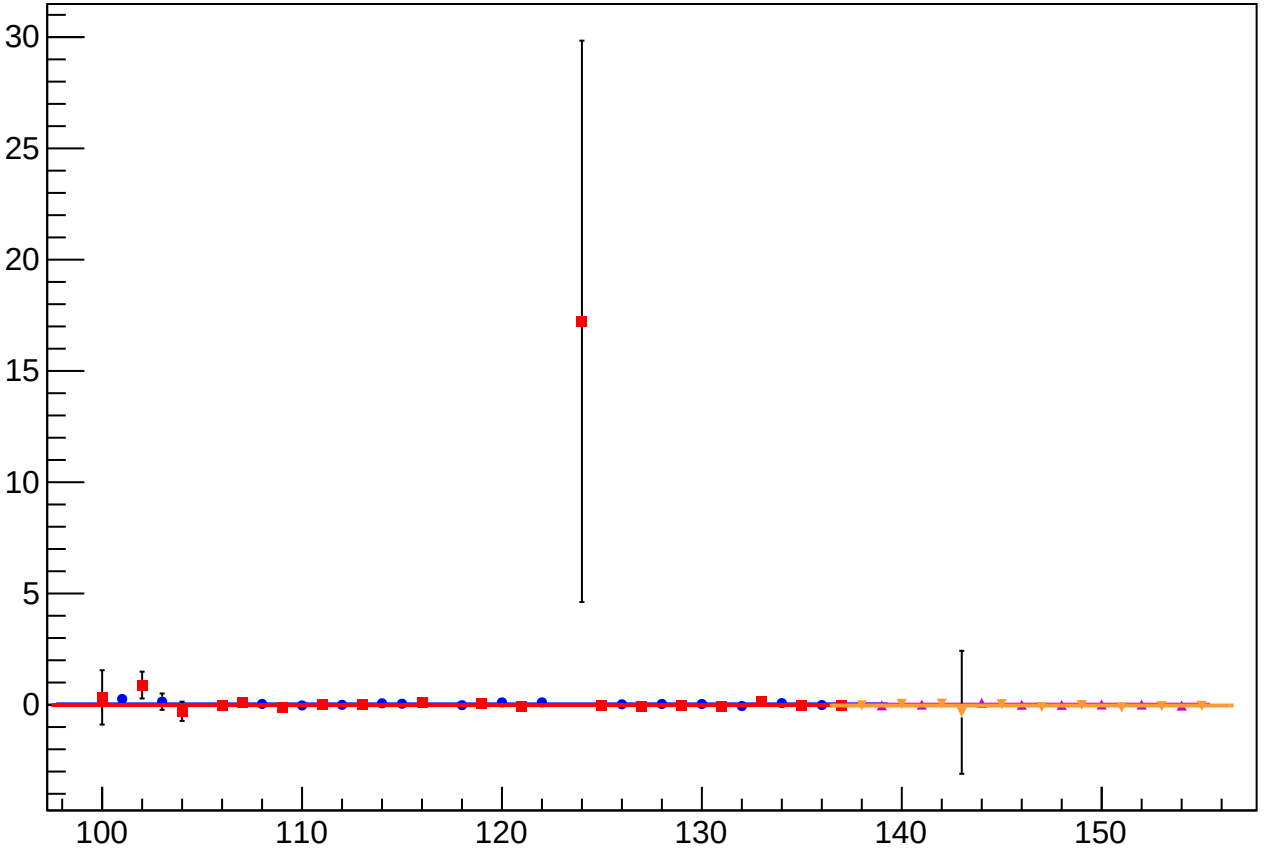
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:7037580.4/23

Out: 0.003+/-0.000 χ^2/NDF:7014937.1/28

All: 0.003+/-0.000 χ^2/NDF: 14071886.1/52

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: -0.035+/-0.014 χ^2/NDF:15.3/9

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.016+/-0.010 χ^2/NDF: 23.2/17

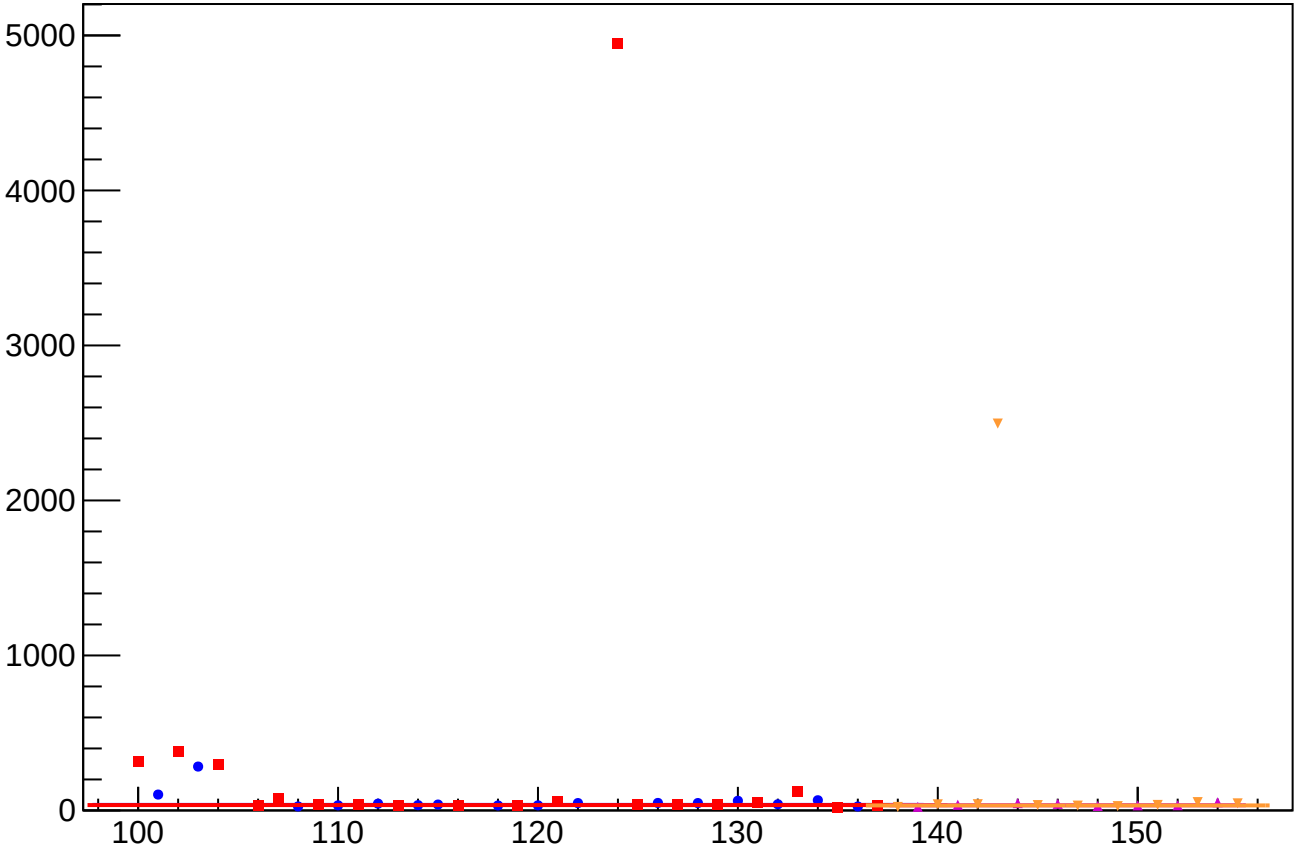
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.026+/-0.010 χ^2/NDF:32.4/28

All: -0.008+/-0.007 χ^2/NDF: 54.1/52

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: 32.503+/-0.010 χ^2/NDF:2350188.4/9

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.709+/-0.010 χ^2/NDF:717819.4/7

Left: 33.080+/-0.007 χ^2/NDF: 3075646.5/17

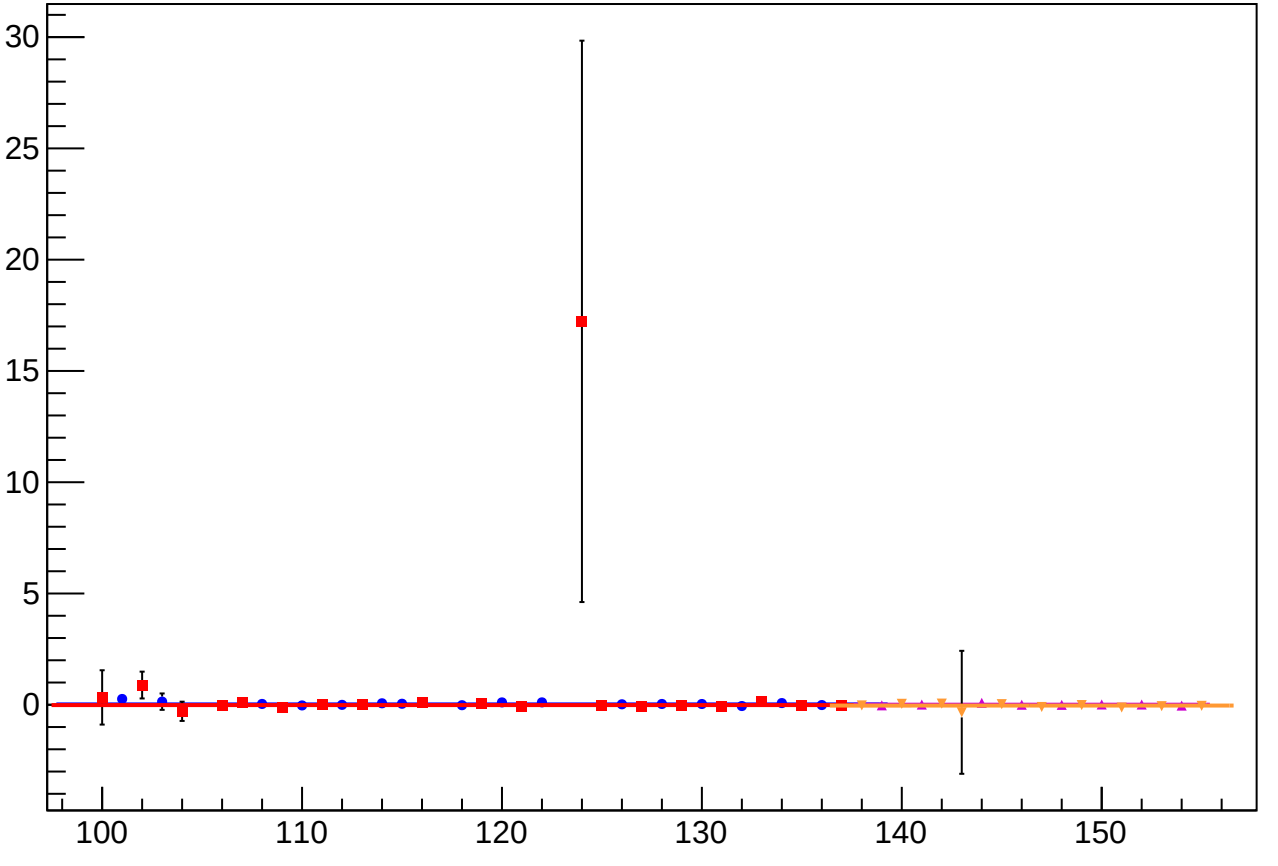
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.634+/-0.007 χ^2/NDF:3001249.9/23

Out: 33.484+/-0.007 χ^2/NDF:5288859.4/28

All: 34.048+/-0.005 χ^2/NDF: 8302527.6/52

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: -0.035+/-0.014 χ^2/NDF:15.3/9

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.016+/-0.010 χ^2/NDF: 23.2/17

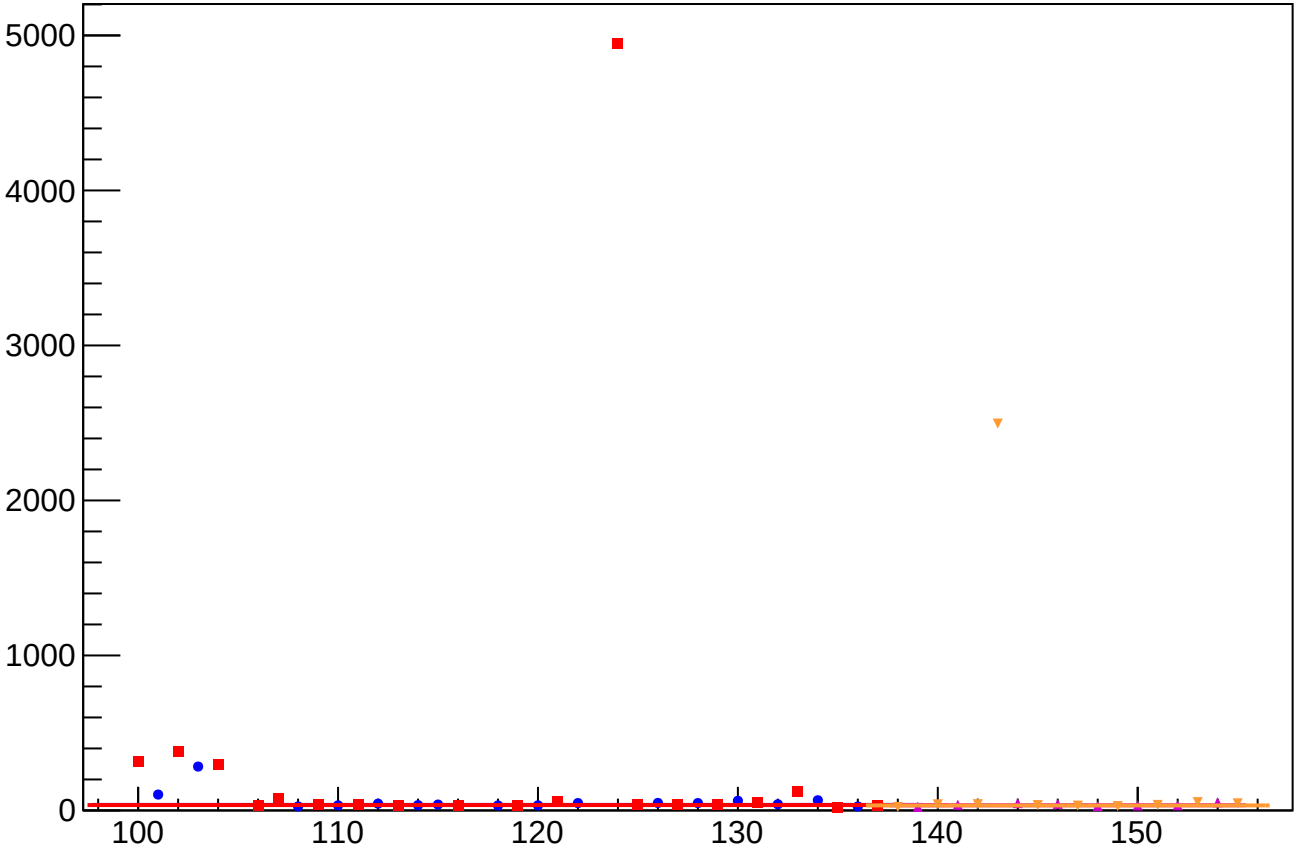
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.026+/-0.010 χ^2/NDF:32.4/28

All: -0.008+/-0.007 χ^2/NDF: 54.1/52

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: 32.503+/-0.010 χ^2/NDF:2350188.4/9

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.709+/-0.010 χ^2/NDF:717819.4/7

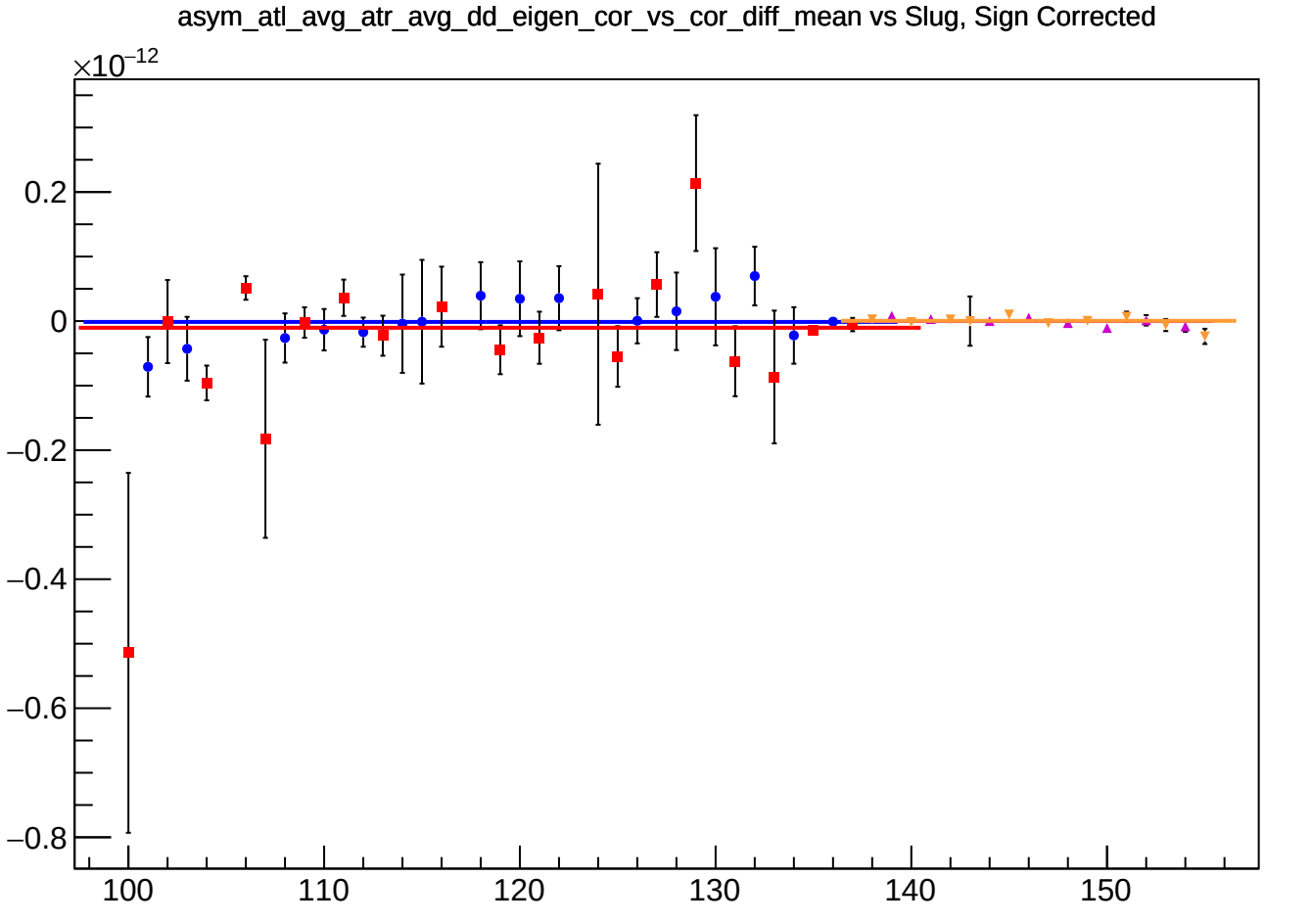
Left: 33.080+/-0.007 χ^2/NDF: 3075646.5/17

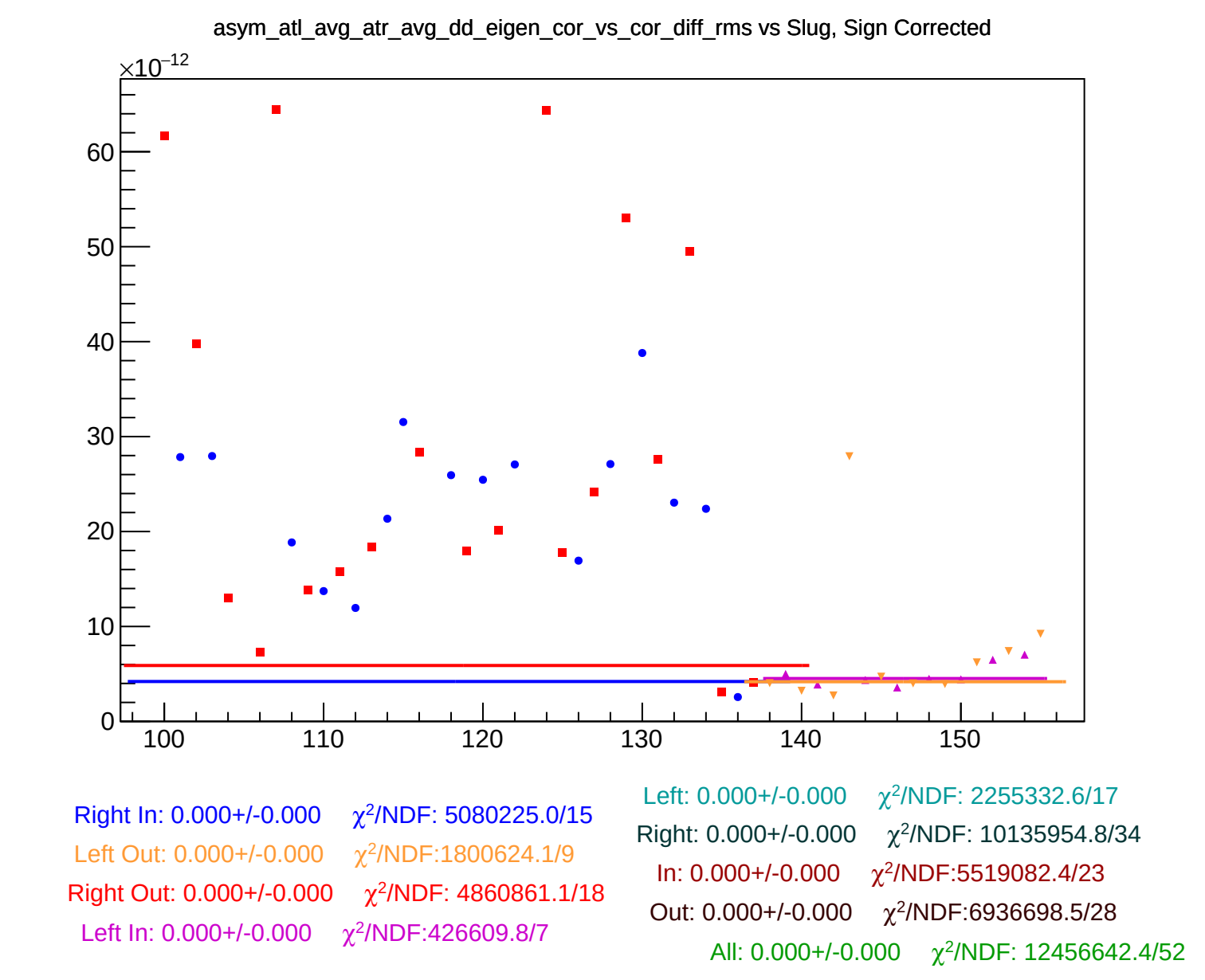
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

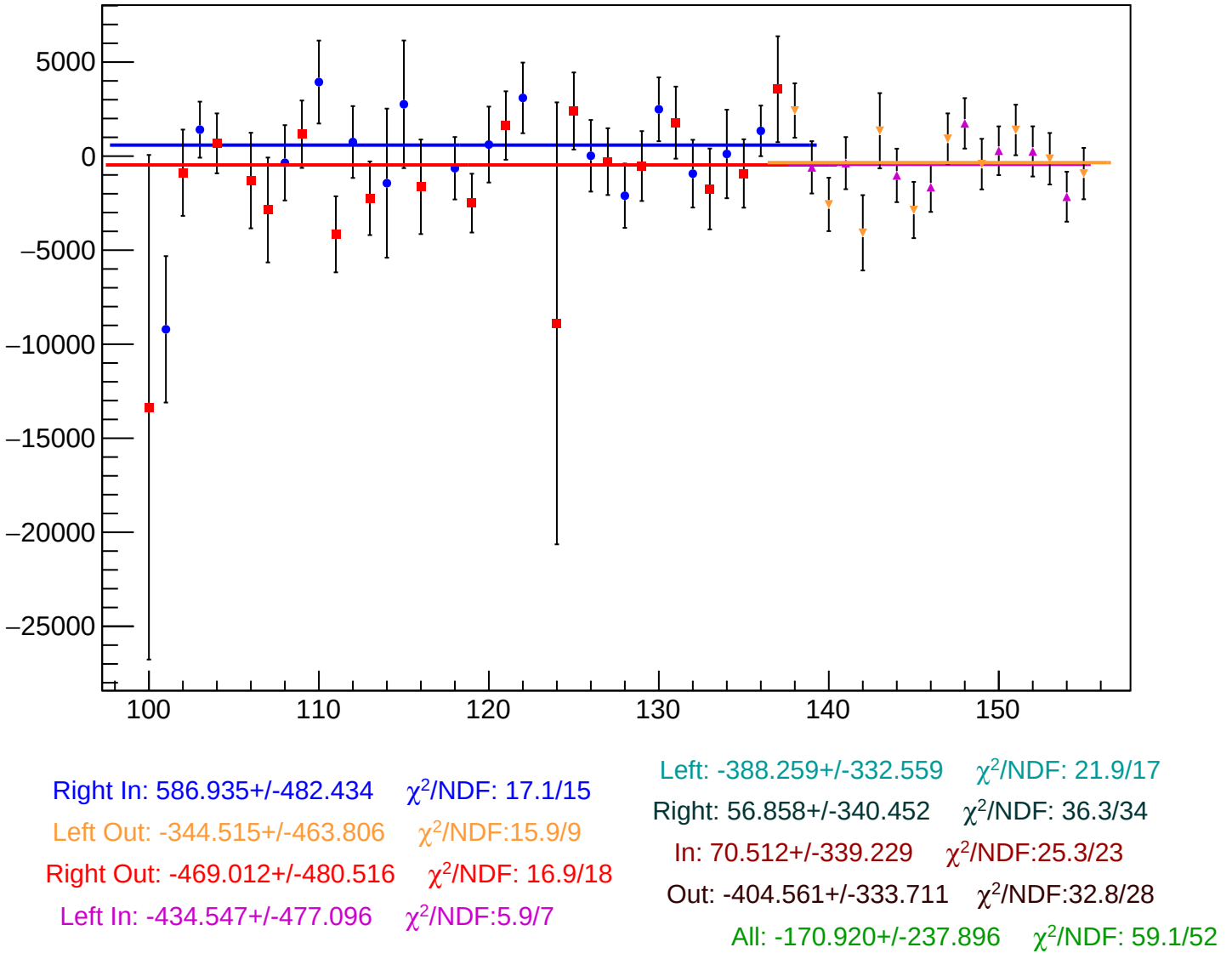
In: 34.634+/-0.007 χ^2/NDF:3001249.9/23

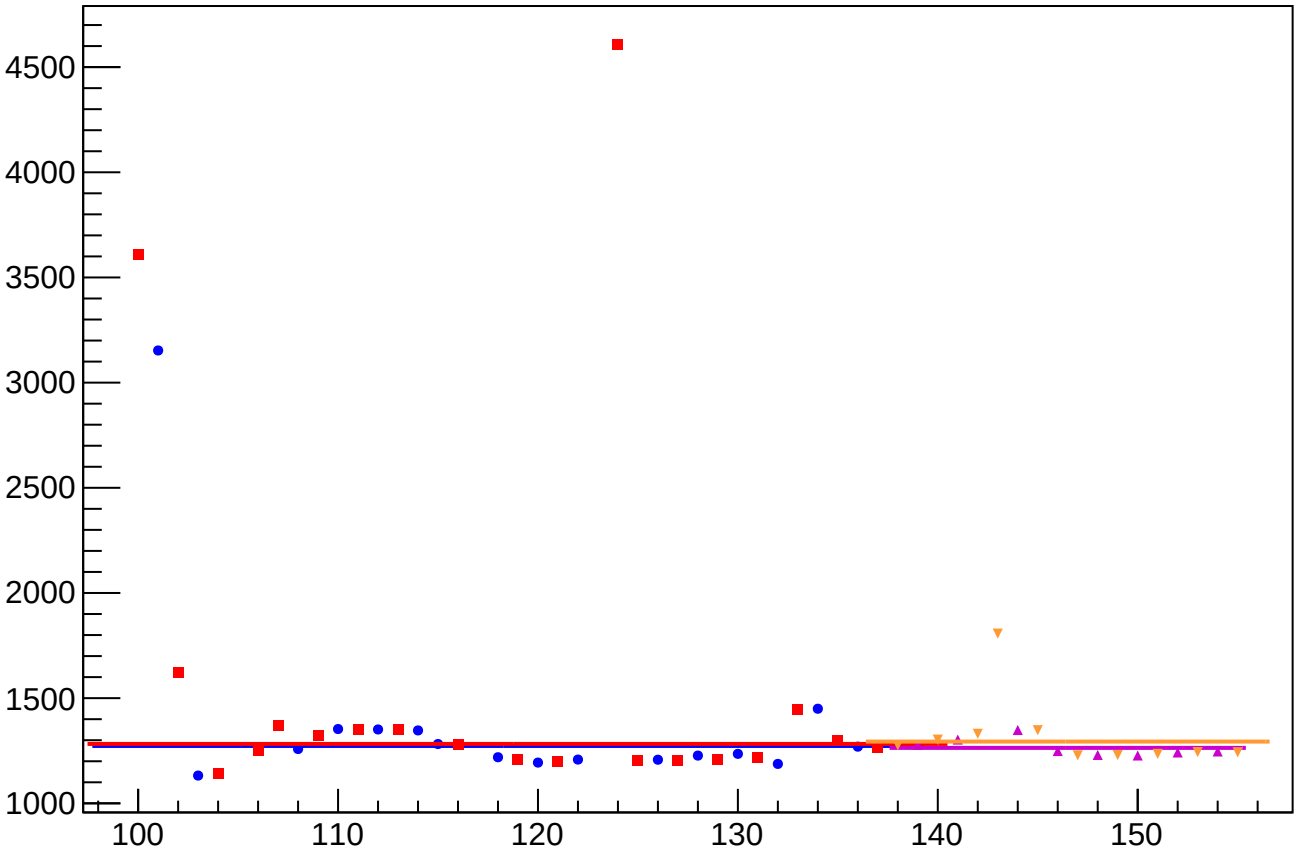
Out: 33.484+/-0.007 χ^2/NDF:5288859.4/28

All: 34.048+/-0.005 χ^2/NDF: 8302527.6/52


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:8.6/9
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:8.3/7
Left: 0.000+/-0.000 χ²/NDF: 17.0/17
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: -0.000+/-0.000 χ²/NDF:17.1/23
Out: -0.000+/-0.000 χ²/NDF:53.9/28
All: -0.000+/-0.000 χ²/NDF: 71.2/52


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1800624.1/9
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:426609.8/7
Left: 0.000+/-0.000 χ²/NDF: 2255332.6/17
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5519082.4/23
Out: 0.000+/-0.000 χ²/NDF:6936698.5/28
All: 0.000+/-0.000 χ²/NDF: 12456642.4/52


reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 586.935+/-482.434 χ²/NDF: 17.1/15
Left Out: -344.515+/-463.806 χ²/NDF:15.9/9
Right Out: -469.012+/-480.516 χ²/NDF: 16.9/18
Left In: -434.547+/-477.096 χ²/NDF:5.9/7
Left: -388.259+/-332.559 χ²/NDF: 21.9/17
Right: 56.858+/-340.452 χ²/NDF: 36.3/34
In: 70.512+/-339.229 χ²/NDF:25.3/23
Out: -404.561+/-333.711 χ²/NDF:32.8/28
All: -170.920+/-237.896 χ²/NDF: 59.1/52



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1293.541+/-0.328 χ^2/NDF:153867.4/9

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1263.597+/-0.337 χ^2/NDF:12938.6/7

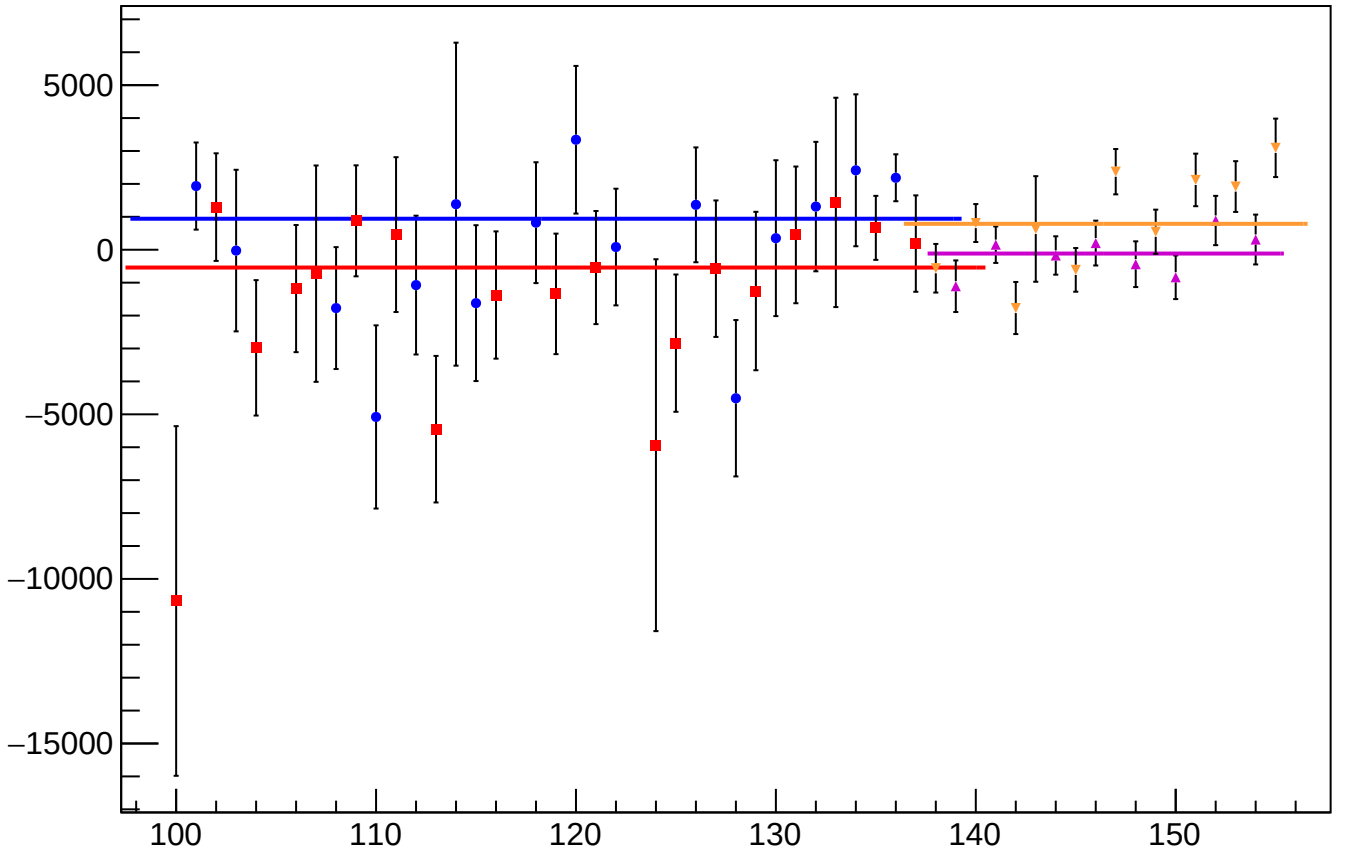
Left: 1278.992+/-0.235 χ^2/NDF: 170856.2/17

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1268.150+/-0.240 χ^2/NDF:532605.0/23

Out: 1288.150+/-0.236 χ^2/NDF:476506.0/28

All: 1278.314+/-0.168 χ^2/NDF: 1012644.3/52



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 787.477+/-236.066 χ^2/NDF:35.4/9

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -115.529+/-236.661 χ^2/NDF:5.6/7

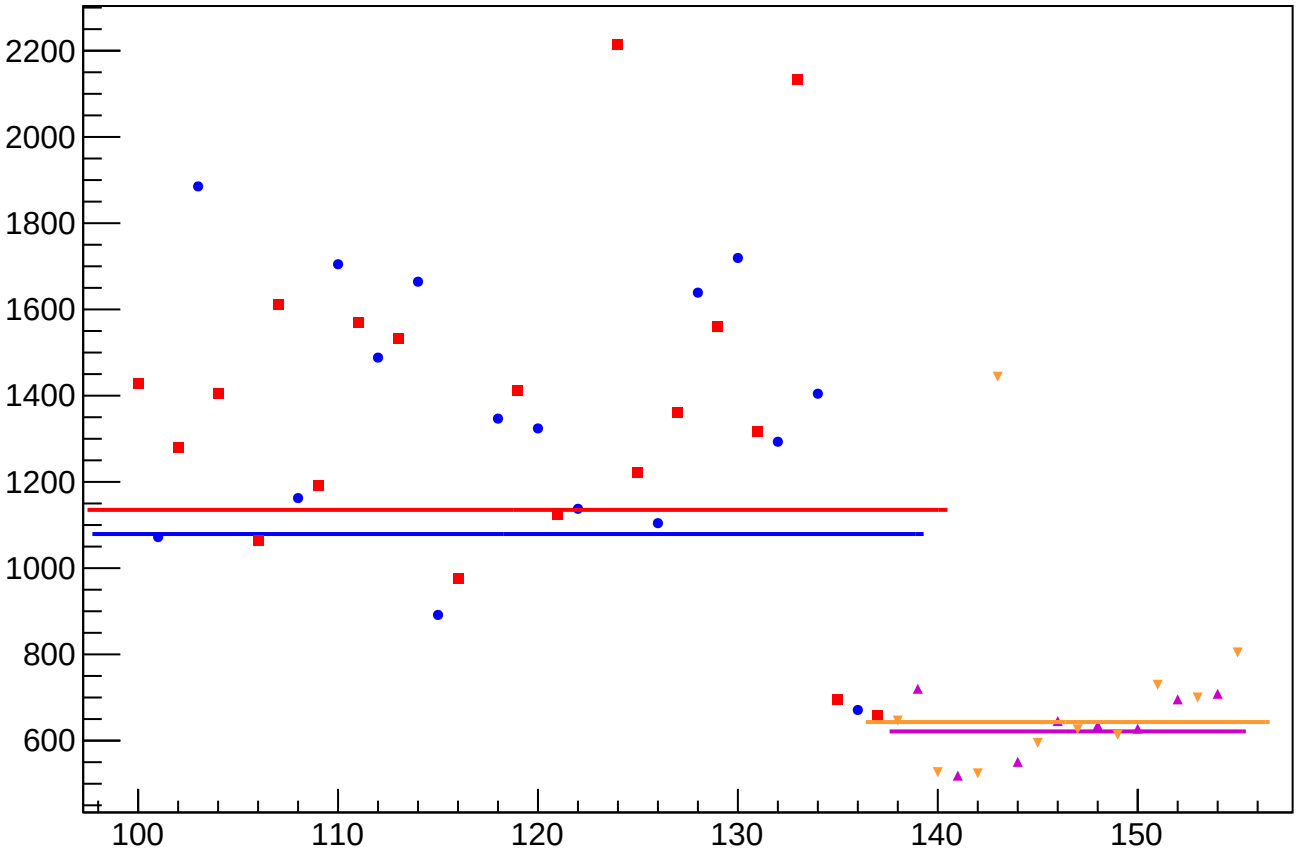
Left: 337.110+/-167.134 χ^2/NDF: 48.2/17

Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 133.967+/-206.861 χ^2/NDF:30.2/23

Out: 490.535+/-208.008 χ^2/NDF:59.6/28

All: 311.265+/-146.677 χ^2/NDF: 91.3/52



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 643.162+/-0.167 χ^2/NDF:741641.0/9

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 621.409+/-0.167 χ^2/NDF:179519.1/7

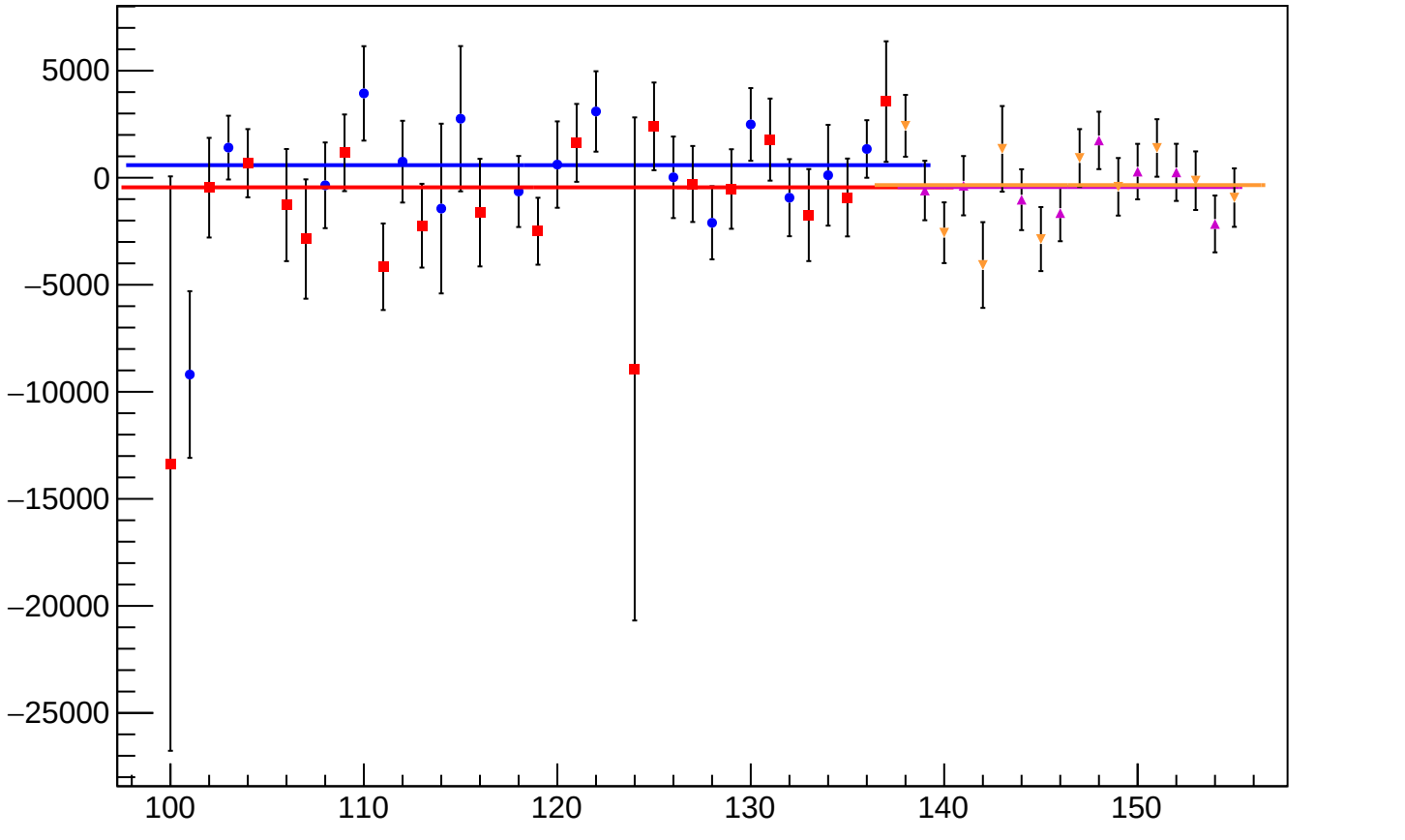
Left: 632.312+/-0.118 χ^2/NDF: 929629.9/17

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 729.418+/-0.146 χ^2/NDF:3427106.9/23

Out: 753.165+/-0.147 χ^2/NDF:3977109.0/28

All: 741.226+/-0.104 χ^2/NDF: 7417320.9/52



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -344.596+/-463.806 χ^2/NDF:15.9/9

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -434.553+/-477.096 χ^2/NDF:5.9/7

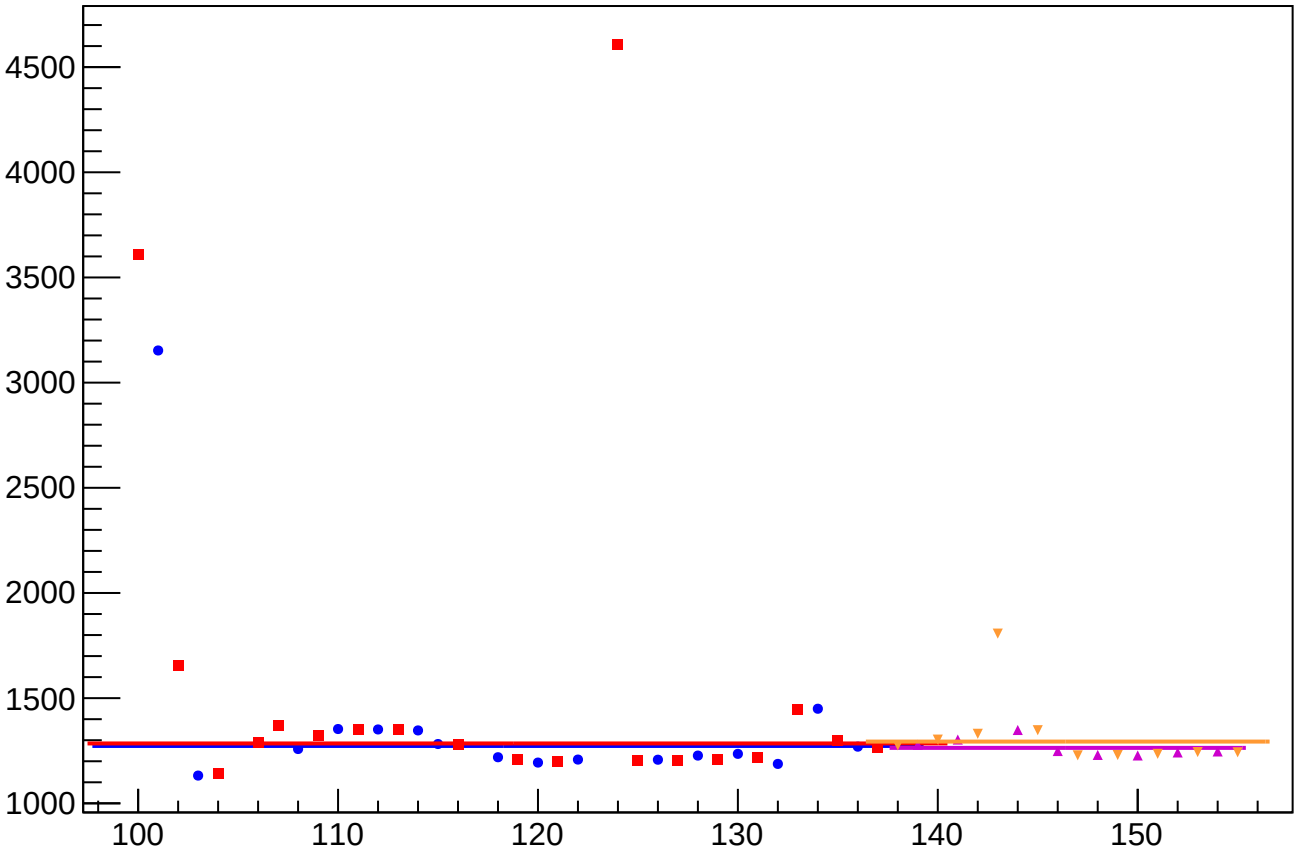
Left: -388.304+/-332.559 χ^2/NDF: 21.9/17

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 70.666+/-339.229 χ^2/NDF:25.3/23

Out: -394.579+/-333.985 χ^2/NDF:32.8/28

All: -165.580+/-237.995 χ^2/NDF: 59.0/52



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1293.541+/-0.328 χ^2/NDF:153867.4/9

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1263.597+/-0.337 χ^2/NDF:12938.6/7

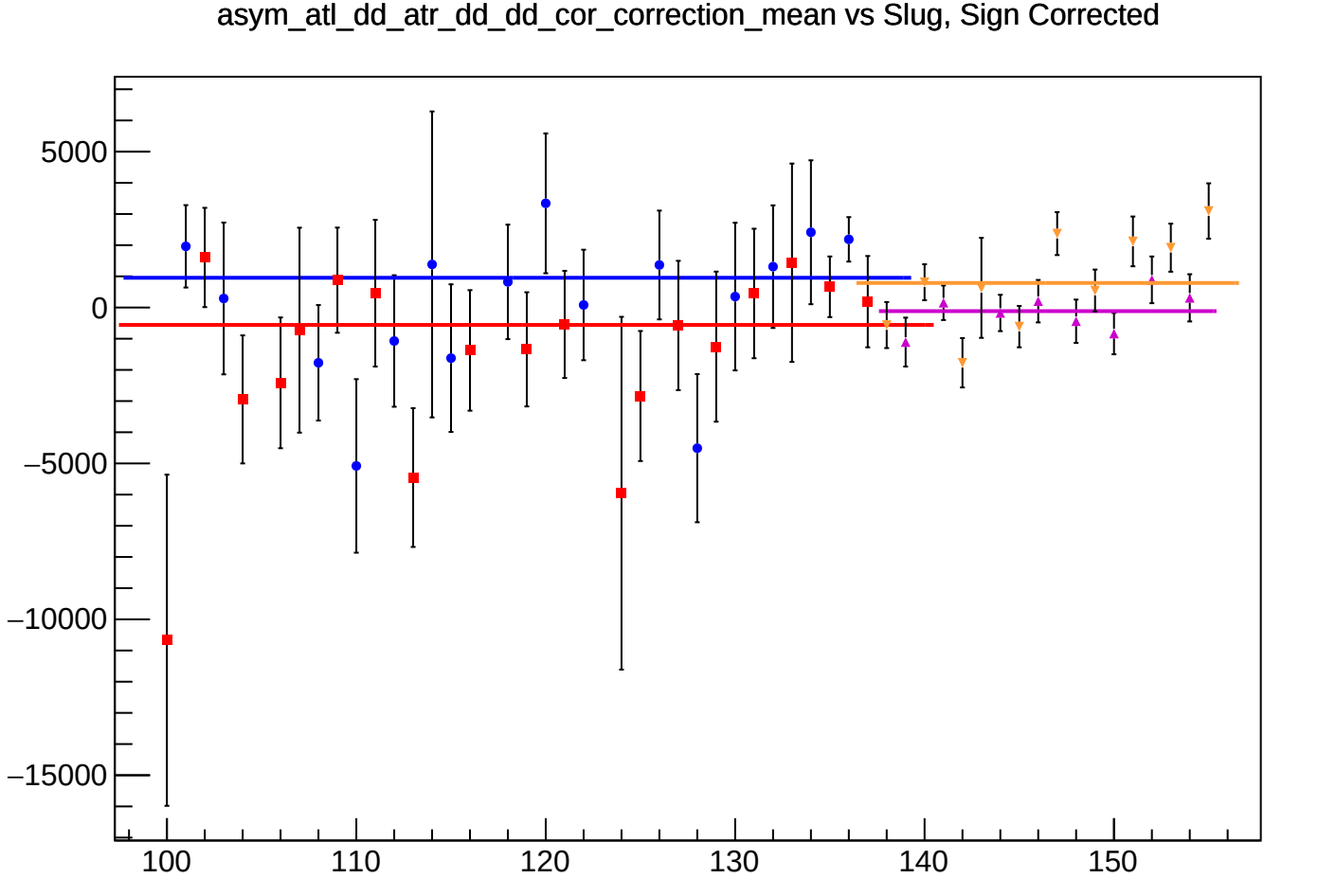
Left: 1278.992+/-0.235 χ^2/NDF: 170856.2/17

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1268.149+/-0.240 χ^2/NDF:532606.4/23

Out: 1289.262+/-0.236 χ^2/NDF:482955.8/28

All: 1278.870+/-0.168 χ^2/NDF: 1019496.0/52



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 787.460+/-236.068 χ^2/NDF:35.4/9

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -115.574+/-236.658 χ^2/NDF:5.6/7

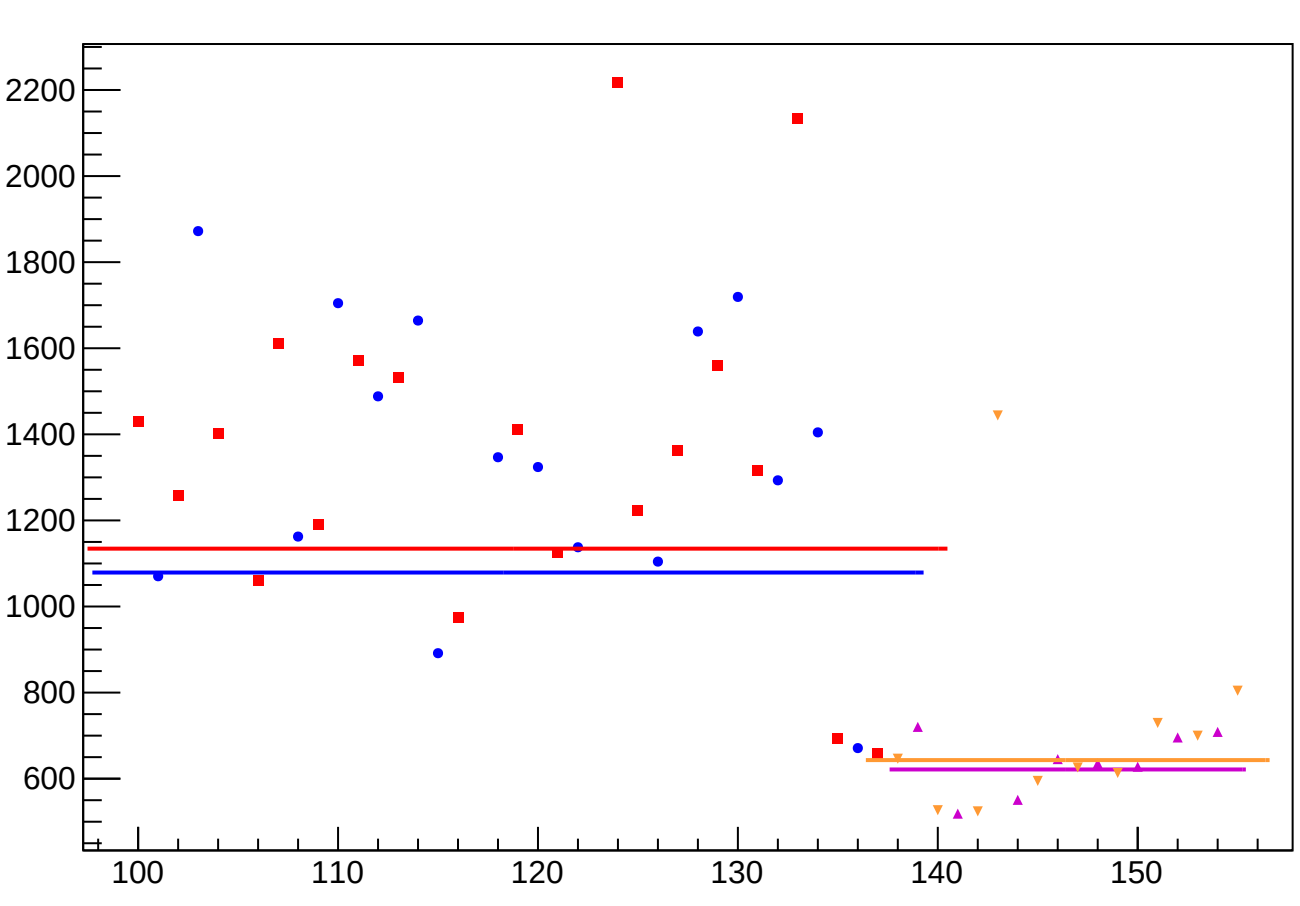
Left: 337.070+/-167.134 χ^2/NDF: 48.2/17

Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 137.013+/-206.839 χ^2/NDF:30.3/23

Out: 487.549+/-208.100 χ^2/NDF:61.0/28

All: 311.216+/-146.701 χ^2/NDF: 92.7/52



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 643.170+/-0.167 χ^2/NDF:741550.9/9

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 621.403+/-0.167 χ^2/NDF:179537.6/7

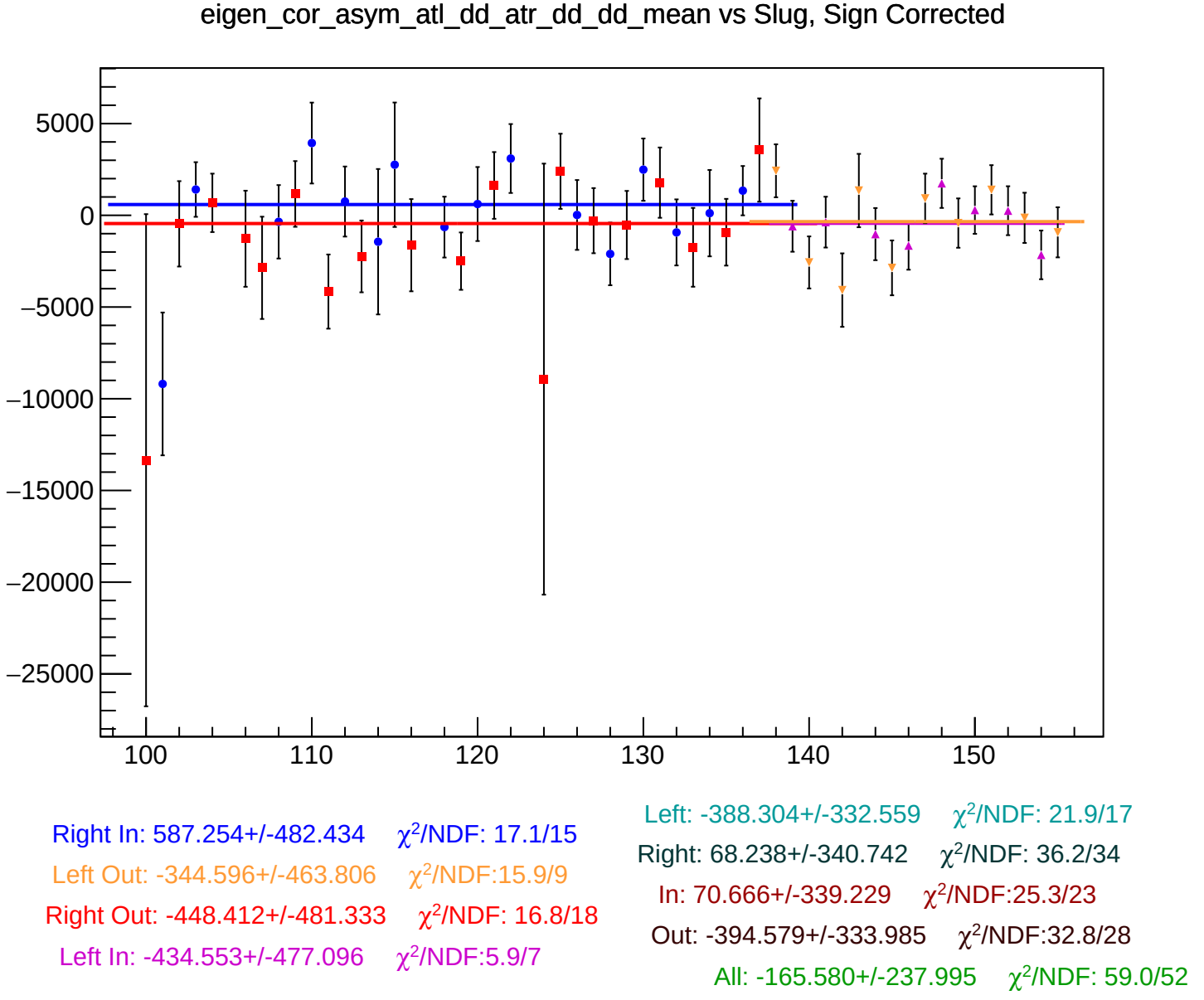
Left: 632.314+/-0.118 χ^2/NDF: 929569.8/17

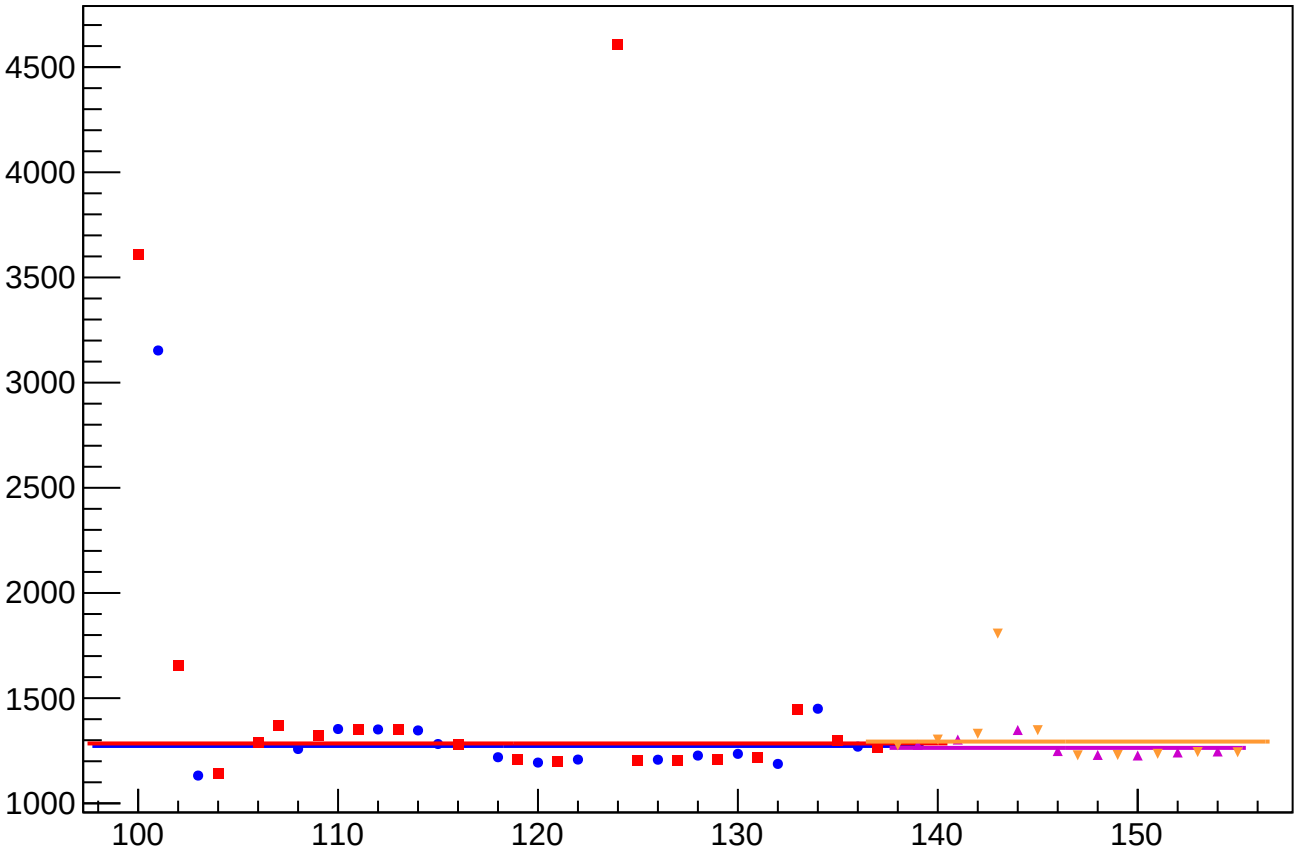
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 729.436+/-0.146 χ^2/NDF:3423335.8/23

Out: 752.680+/-0.147 χ^2/NDF:3961155.3/28

All: 740.987+/-0.104 χ^2/NDF: 7397042.4/52


eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 587.254+/-482.434 χ²/NDF: 17.1/15
Left Out: -344.596+/-463.806 χ²/NDF:15.9/9
Right Out: -448.412+/-481.333 χ²/NDF: 16.8/18
Left In: -434.553+/-477.096 χ²/NDF:5.9/7
Left: -388.304+/-332.559 χ²/NDF: 21.9/17
Right: 68.238+/-340.742 χ²/NDF: 36.2/34
In: 70.666+/-339.229 χ²/NDF:25.3/23
Out: -394.579+/-333.985 χ²/NDF:32.8/28
All: -165.580+/-237.995 χ²/NDF: 59.0/52



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1293.541+/-0.328 χ^2/NDF:153867.4/9

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1263.597+/-0.337 χ^2/NDF:12938.6/7

Left: 1278.992+/-0.235 χ^2/NDF: 170856.2/17

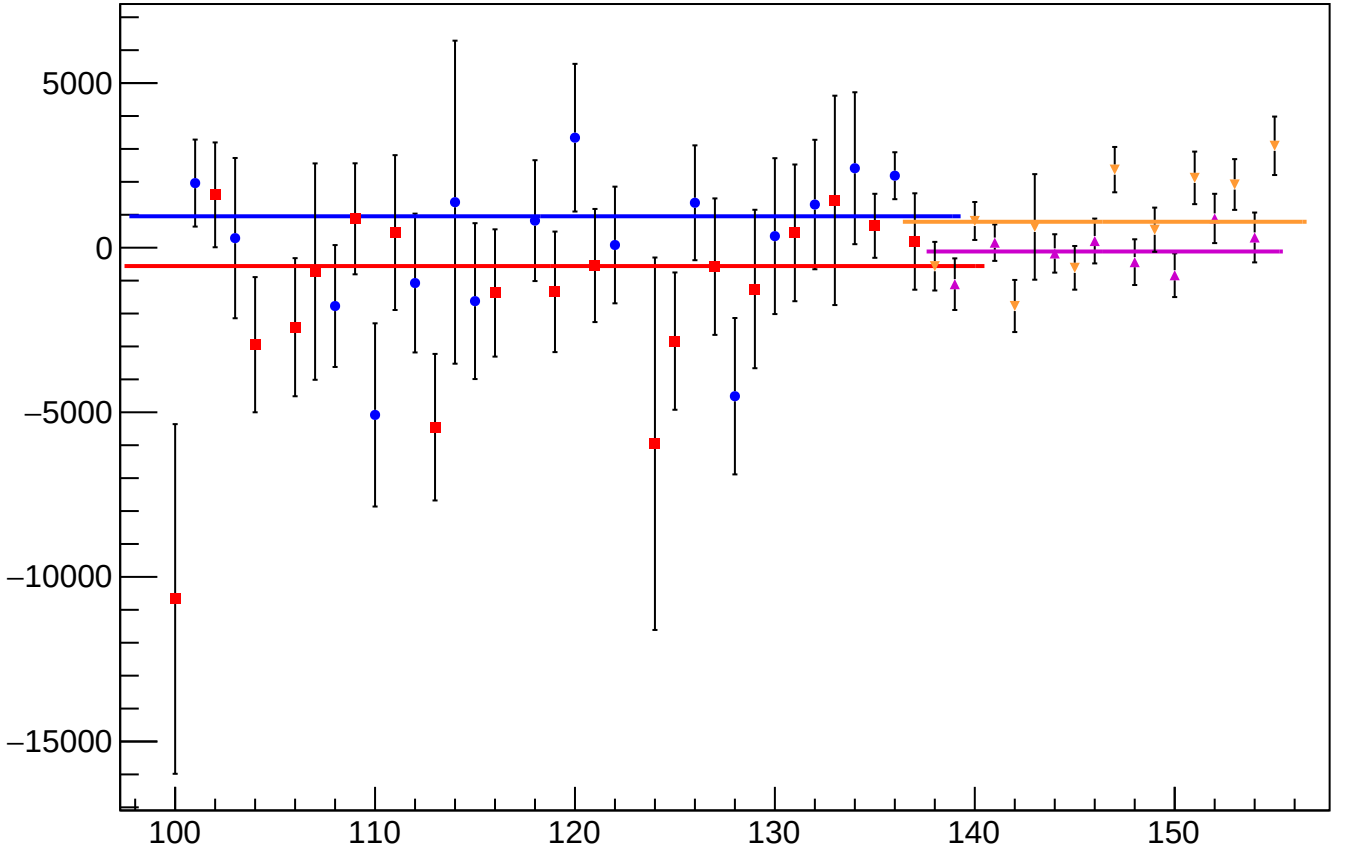
Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1268.149+/-0.240 χ^2/NDF:532606.4/23

Out: 1289.262+/-0.236 χ^2/NDF:482955.8/28

All: 1278.870+/-0.168 χ^2/NDF: 1019496.0/52

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 787.460+/-236.068 χ^2/NDF:35.4/9

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -115.574+/-236.658 χ^2/NDF:5.6/7

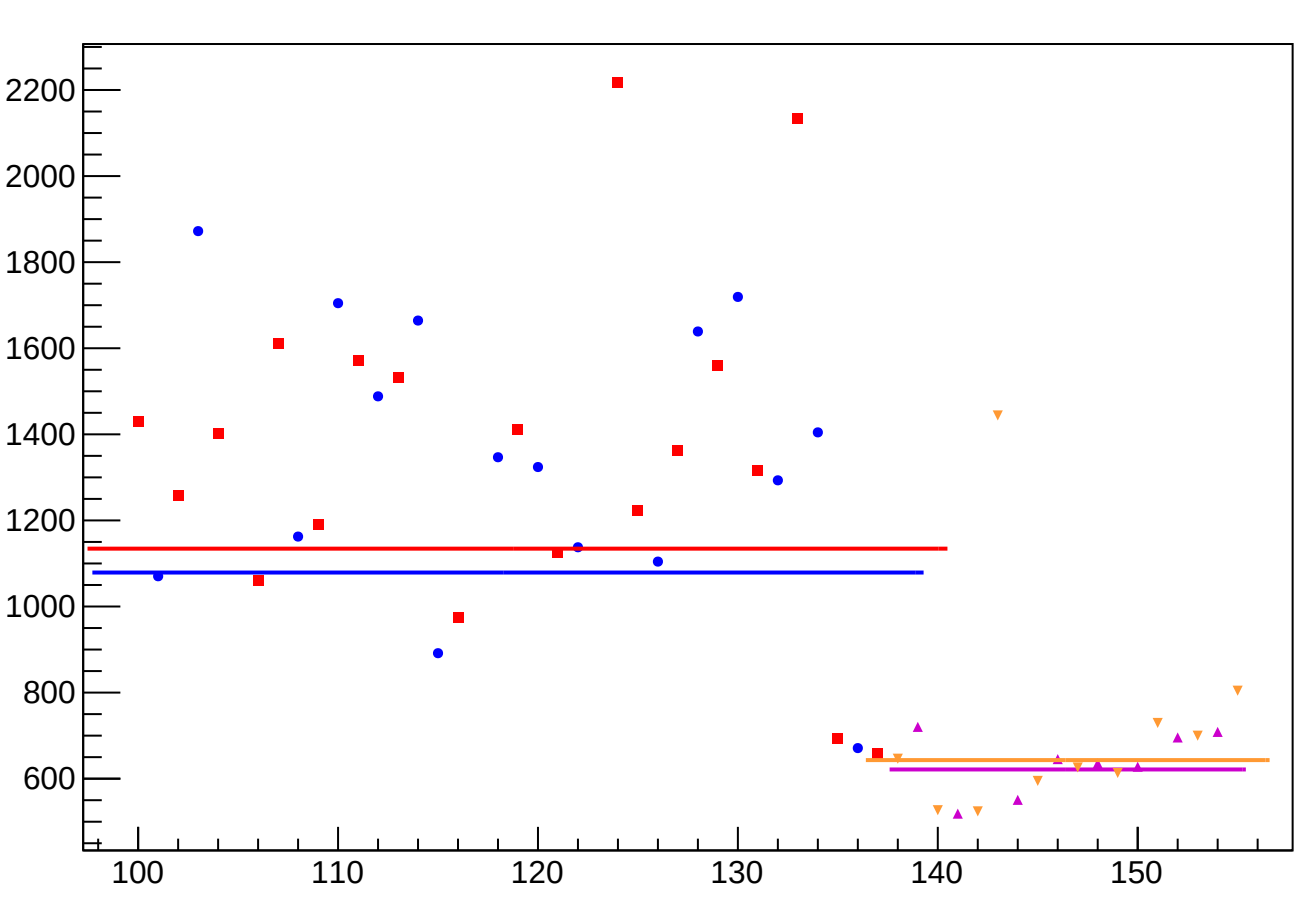
Left: 337.070+/-167.134 χ^2/NDF: 48.2/17

Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 137.013+/-206.839 χ^2/NDF:30.3/23

Out: 487.549+/-208.100 χ^2/NDF:61.0/28

All: 311.216+/-146.701 χ^2/NDF: 92.7/52



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 643.170+/-0.167 χ^2/NDF:741550.9/9

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 621.403+/-0.167 χ^2/NDF:179537.6/7

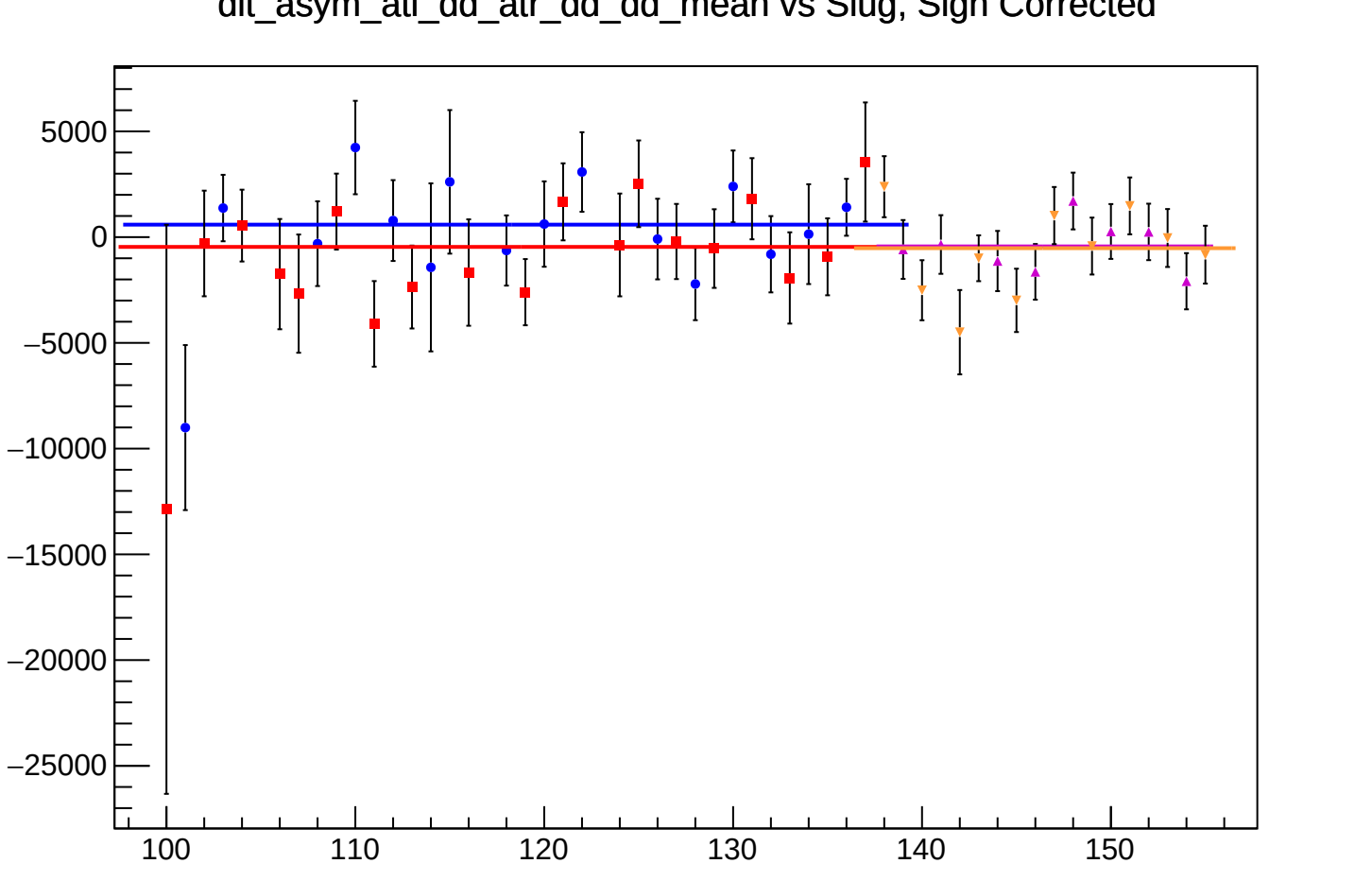
Left: 632.314+/-0.118 χ^2/NDF: 929569.8/17

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 729.436+/-0.146 χ^2/NDF:3423335.8/23

Out: 752.680+/-0.147 χ^2/NDF:3961155.3/28

All: 740.987+/-0.104 χ^2/NDF: 7397042.4/52



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -522.476+/-436.627 χ^2/NDF:16.6/9

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -438.861+/-477.478 χ^2/NDF:5.7/7

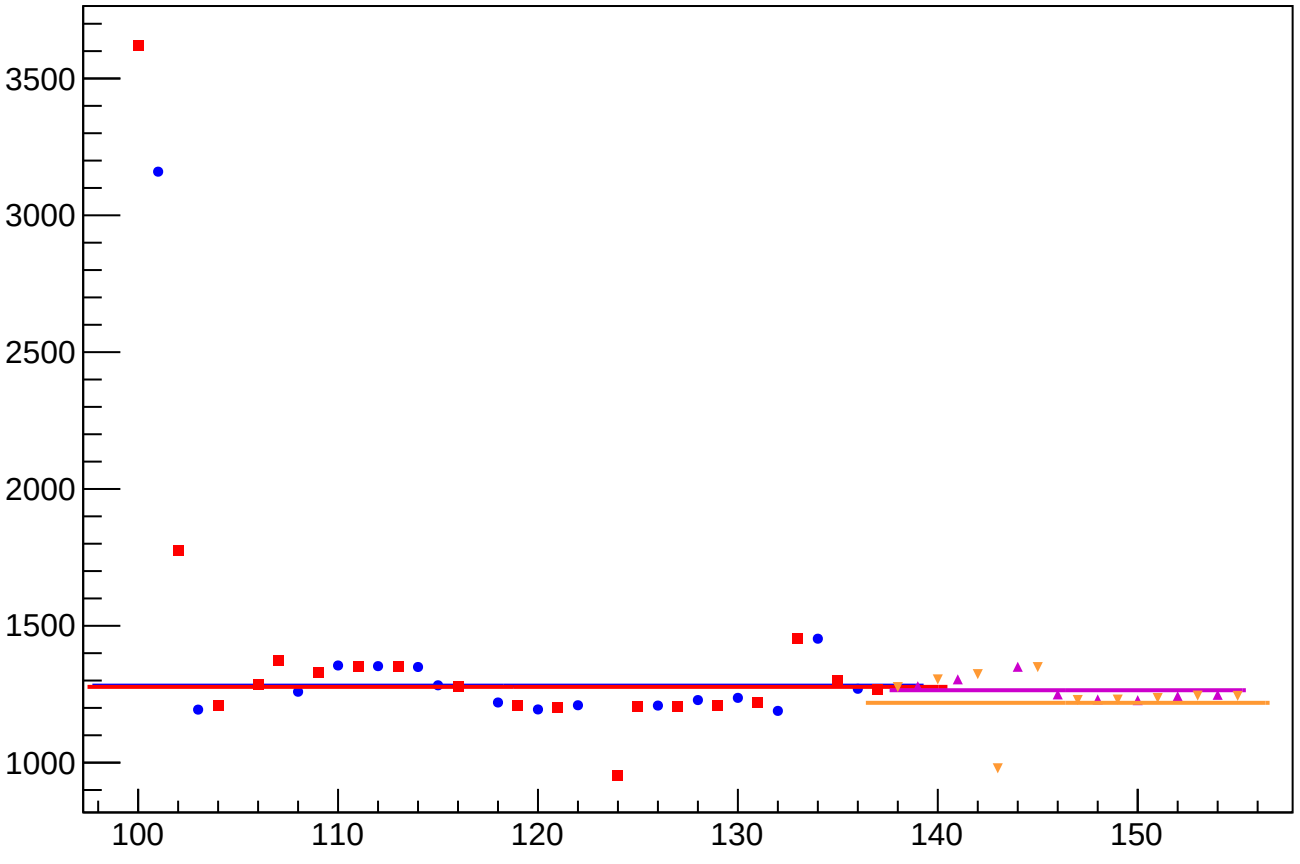
Left: -484.398+/-322.218 χ^2/NDF: 22.3/17

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 67.176+/-340.423 χ^2/NDF:25.1/23

Out: -495.169+/-322.008 χ^2/NDF:33.3/28

All: -229.617+/-233.933 χ^2/NDF: 59.9/52



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1218.582+/-0.309 χ^2/NDF:130614.6/9

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1264.603+/-0.338 χ^2/NDF:13065.7/7

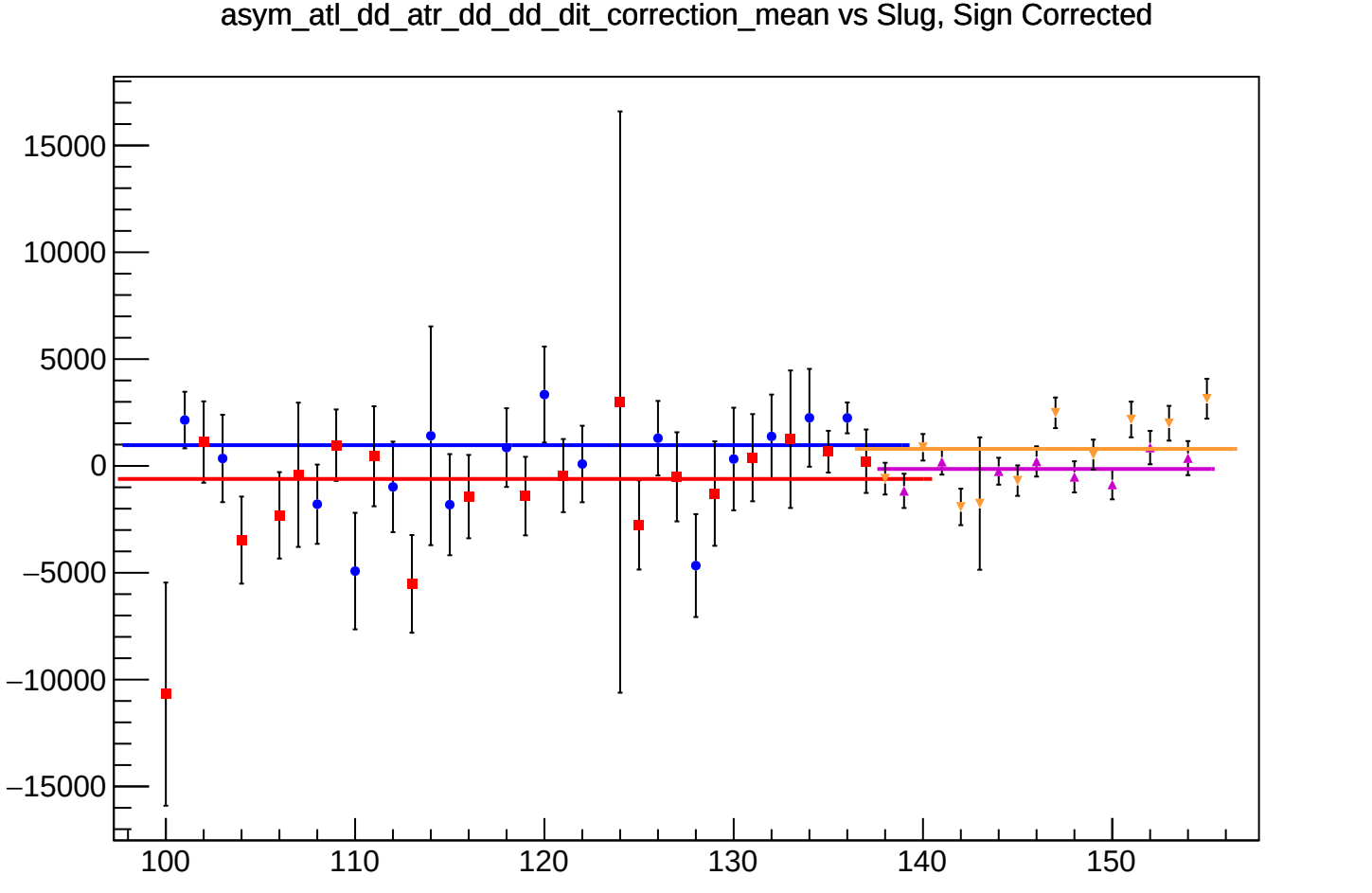
Left: 1239.540+/-0.228 χ^2/NDF: 153798.8/17

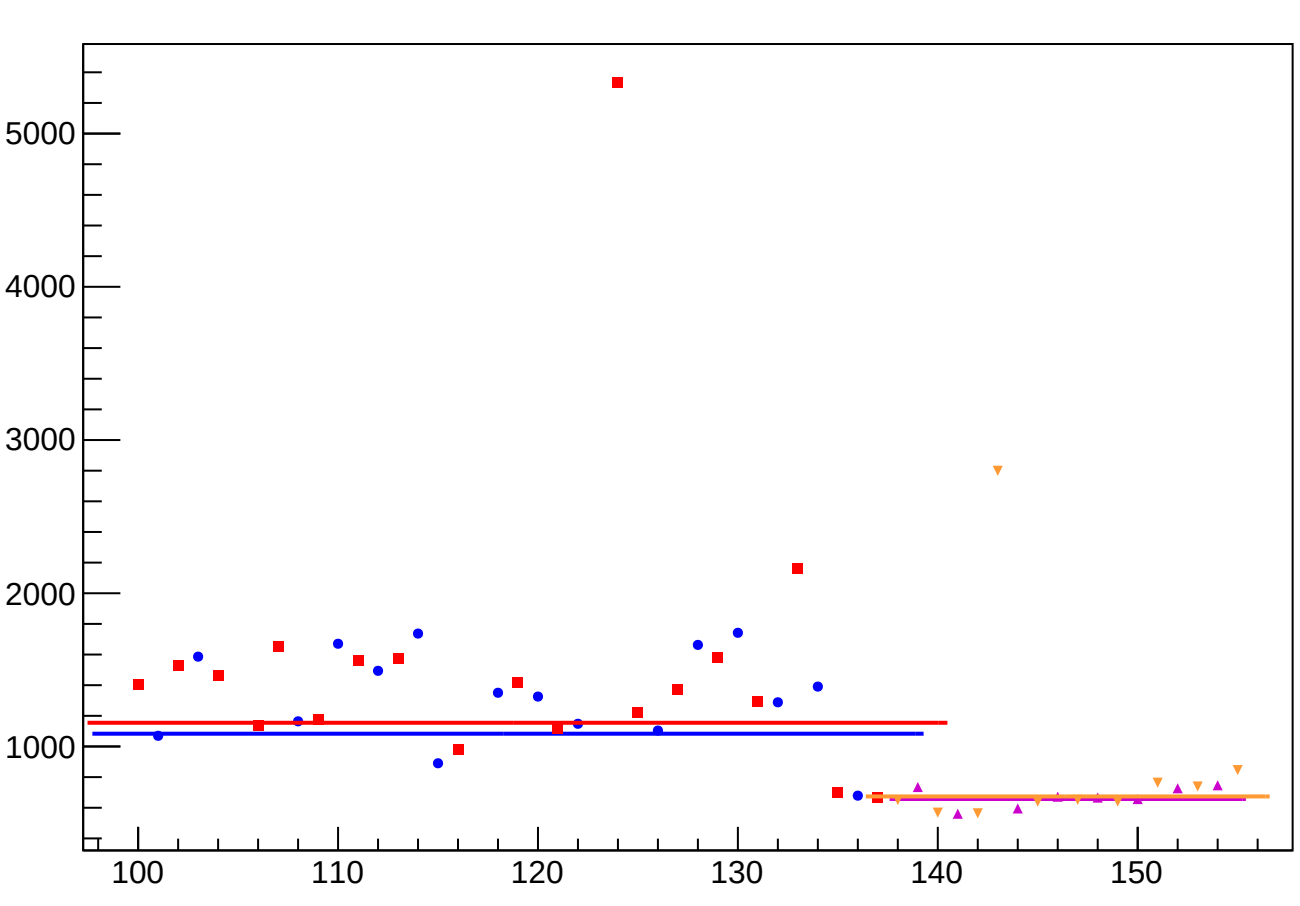
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1272.846+/-0.241 χ^2/NDF:521356.6/23

Out: 1245.163+/-0.228 χ^2/NDF:367379.8/28

All: 1258.236+/-0.165 χ^2/NDF: 895716.8/52


asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 972.287+/-425.219 χ²/NDF: 20.4/15
Left Out: 796.847+/-250.643 χ²/NDF:35.6/9
Right Out: -608.431+/-447.734 χ²/NDF: 17.1/18
Left In: -141.627+/-249.799 χ²/NDF:5.6/7
Left: 326.027+/-176.932 χ²/NDF: 48.3/17
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: 144.166+/-215.383 χ²/NDF:31.2/23
Out: 461.539+/-218.706 χ²/NDF:60.2/28
All: 300.424+/-153.460 χ²/NDF: 92.5/52



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 673.938+/-0.177 χ^2/NDF:1148174.3/9

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 657.228+/-0.177 χ^2/NDF:132234.9/7

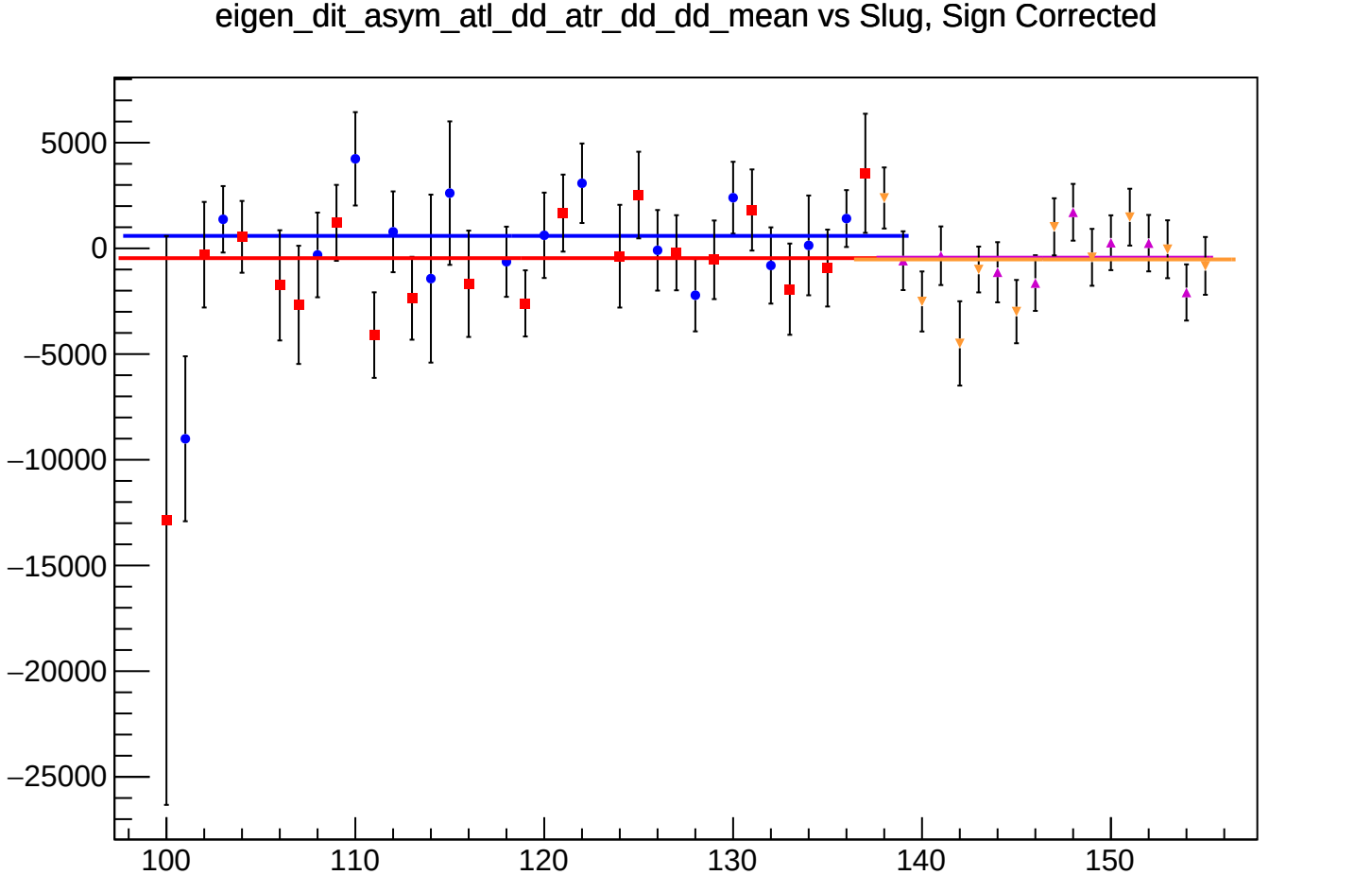
Left: 665.555+/-0.125 χ^2/NDF: 1284868.6/17

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 766.553+/-0.152 χ^2/NDF:2985468.9/23

Out: 788.656+/-0.155 χ^2/NDF:4392395.0/28

All: 777.435+/-0.109 χ^2/NDF: 7388234.3/52



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -522.478+/-436.627 χ^2/NDF:16.6/9

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -438.864+/-477.478 χ^2/NDF:5.7/7

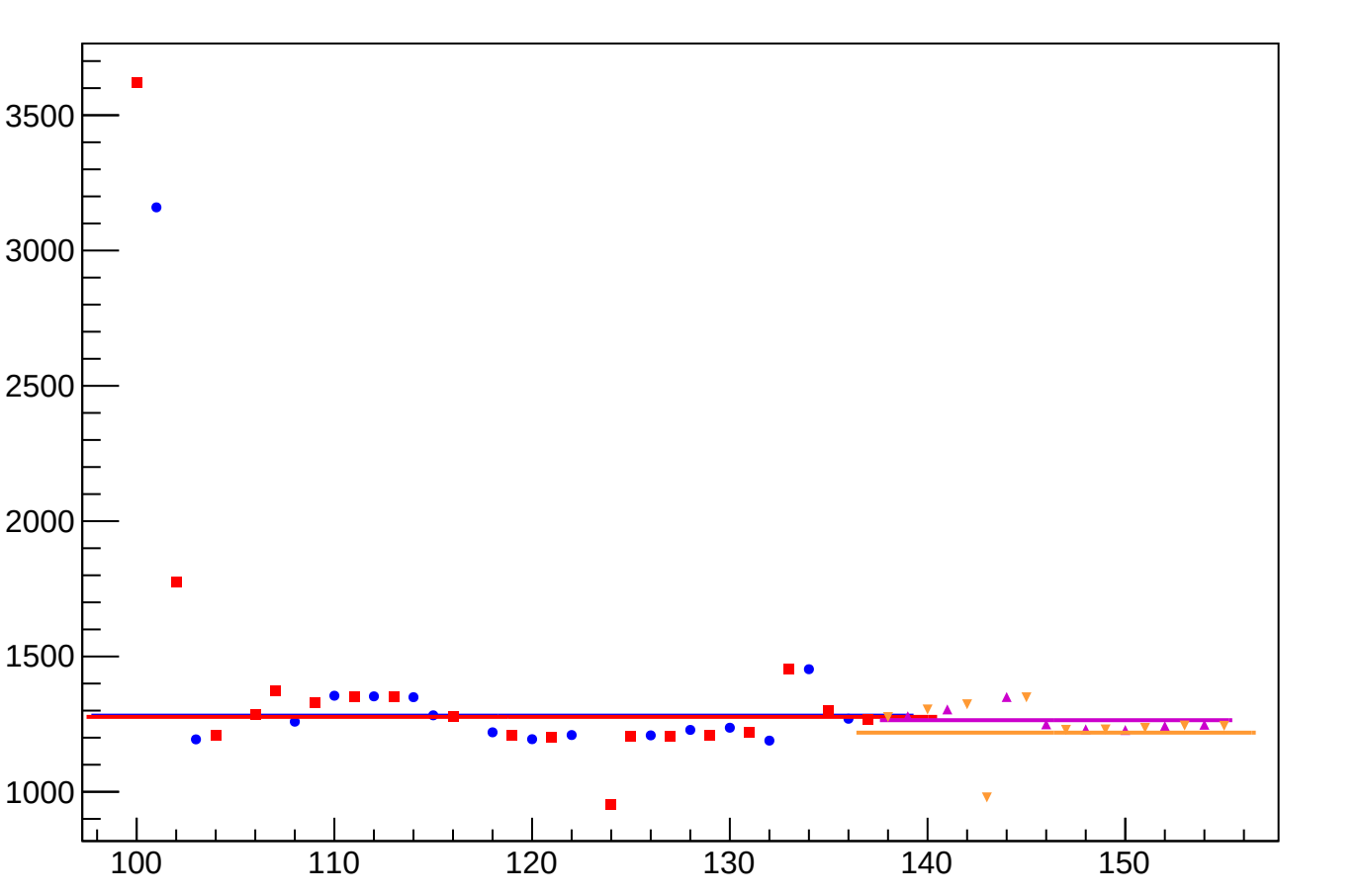
Left: -484.400+/-322.218 χ^2/NDF: 22.3/17

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 67.176+/-340.423 χ^2/NDF:25.1/23

Out: -495.169+/-322.008 χ^2/NDF:33.3/28

All: -229.617+/-233.933 χ^2/NDF: 59.9/52



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1218.582+/-0.309 χ^2/NDF:130613.9/9

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1264.603+/-0.338 χ^2/NDF:13065.7/7

Left: 1239.540+/-0.228 χ^2/NDF: 153798.0/17

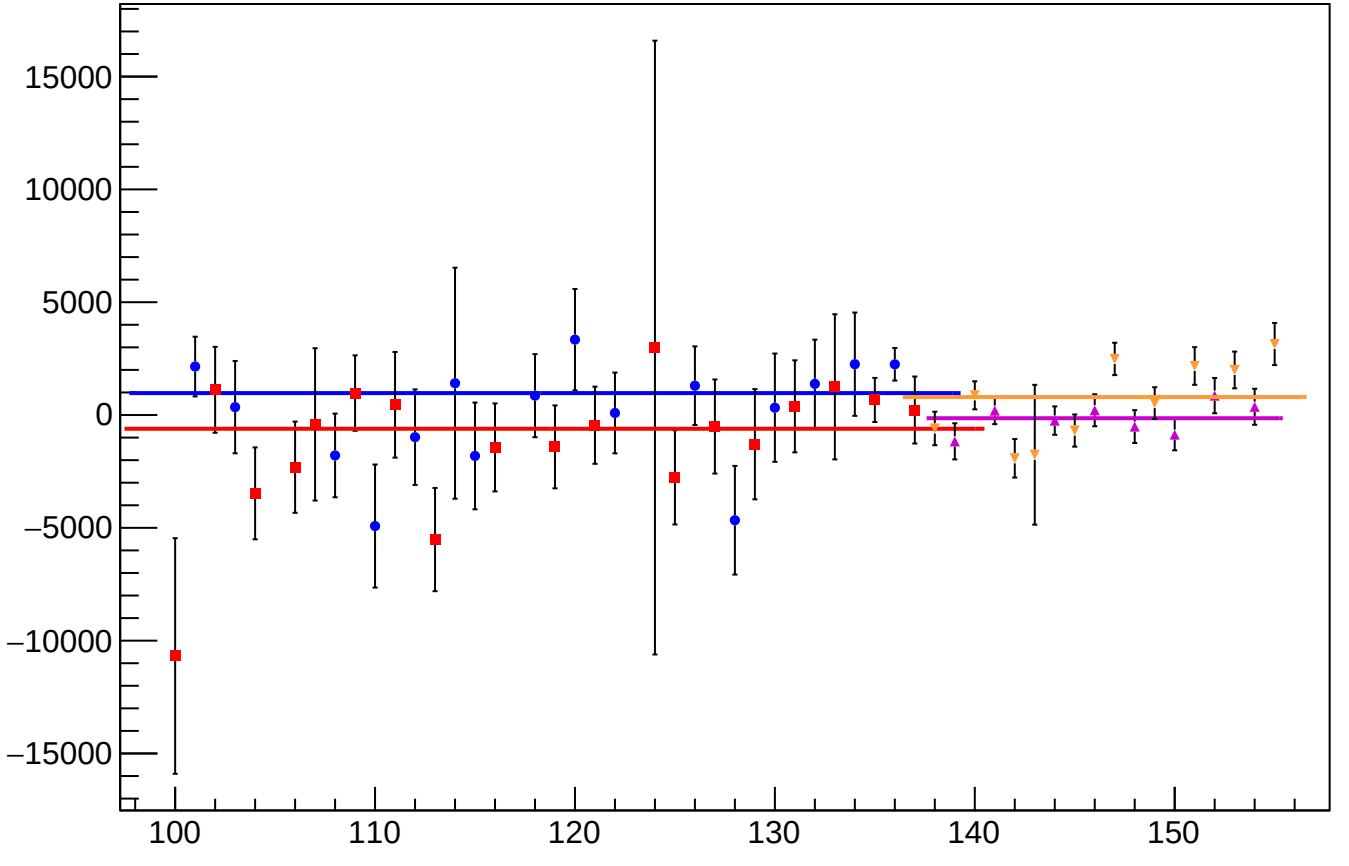
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1272.846+/-0.241 χ^2/NDF:521356.7/23

Out: 1245.163+/-0.228 χ^2/NDF:367378.8/28

All: 1258.236+/-0.165 χ^2/NDF: 895715.9/52

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: 796.852+/-250.644 χ^2/NDF:35.6/9

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -141.628+/-249.799 χ^2/NDF:5.6/7

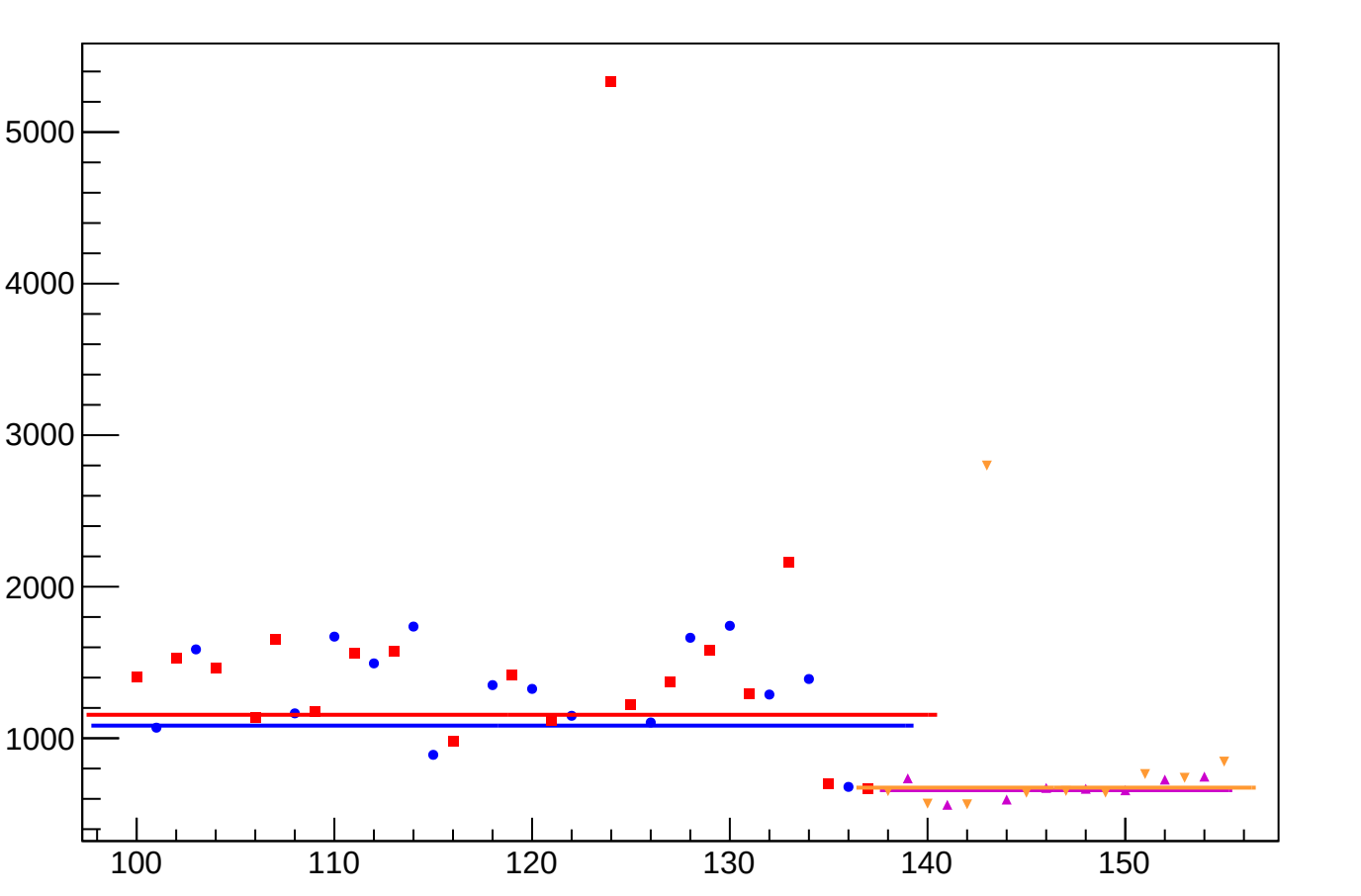
Left: 326.028+/-176.933 χ^2/NDF: 48.3/17

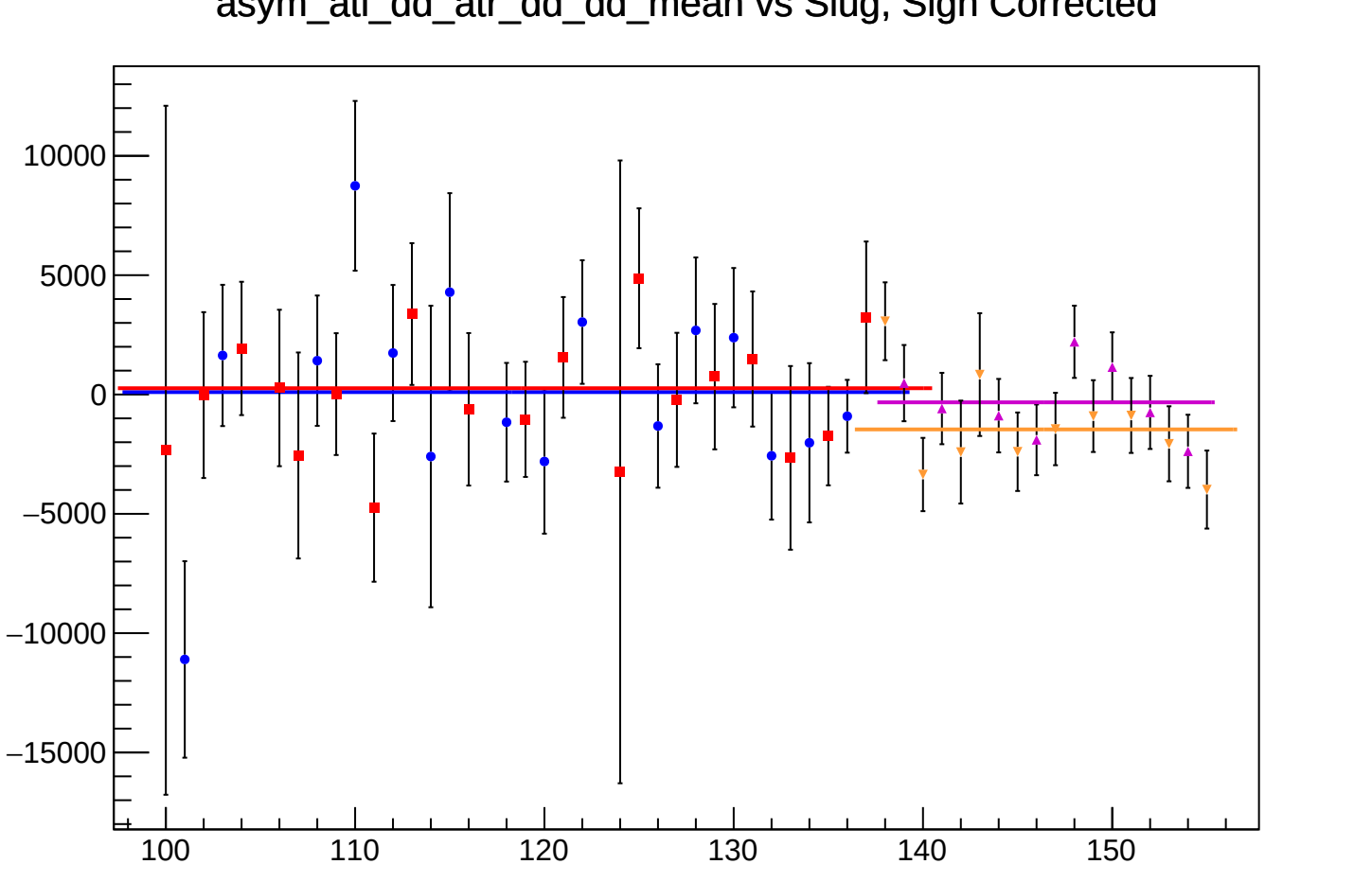
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 144.162+/-215.384 χ^2/NDF:31.2/23

Out: 461.542+/-218.707 χ^2/NDF:60.2/28

All: 300.423+/-153.461 χ^2/NDF: 92.5/52


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: 673.939+/-0.177 χ²/NDF:1148166.9/9
Right Out: 1154.732+/-0.317 χ²/NDF: 1488251.4/18
Left In: 657.228+/-0.177 χ²/NDF:132237.2/7
Left: 665.555+/-0.125 χ²/NDF: 1284864.6/17
Right: 1117.196+/-0.218 χ²/NDF: 2875081.4/34
In: 766.554+/-0.152 χ²/NDF:2985453.8/23
Out: 788.659+/-0.155 χ²/NDF:4392363.7/28
All: 777.437+/-0.109 χ²/NDF: 7388189.6/52



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1462.379+/-527.266 χ^2/NDF:13.3/9

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -328.567+/-536.370 χ^2/NDF:7.2/7

Left: -905.177+/-376.010 χ^2/NDF: 22.9/17

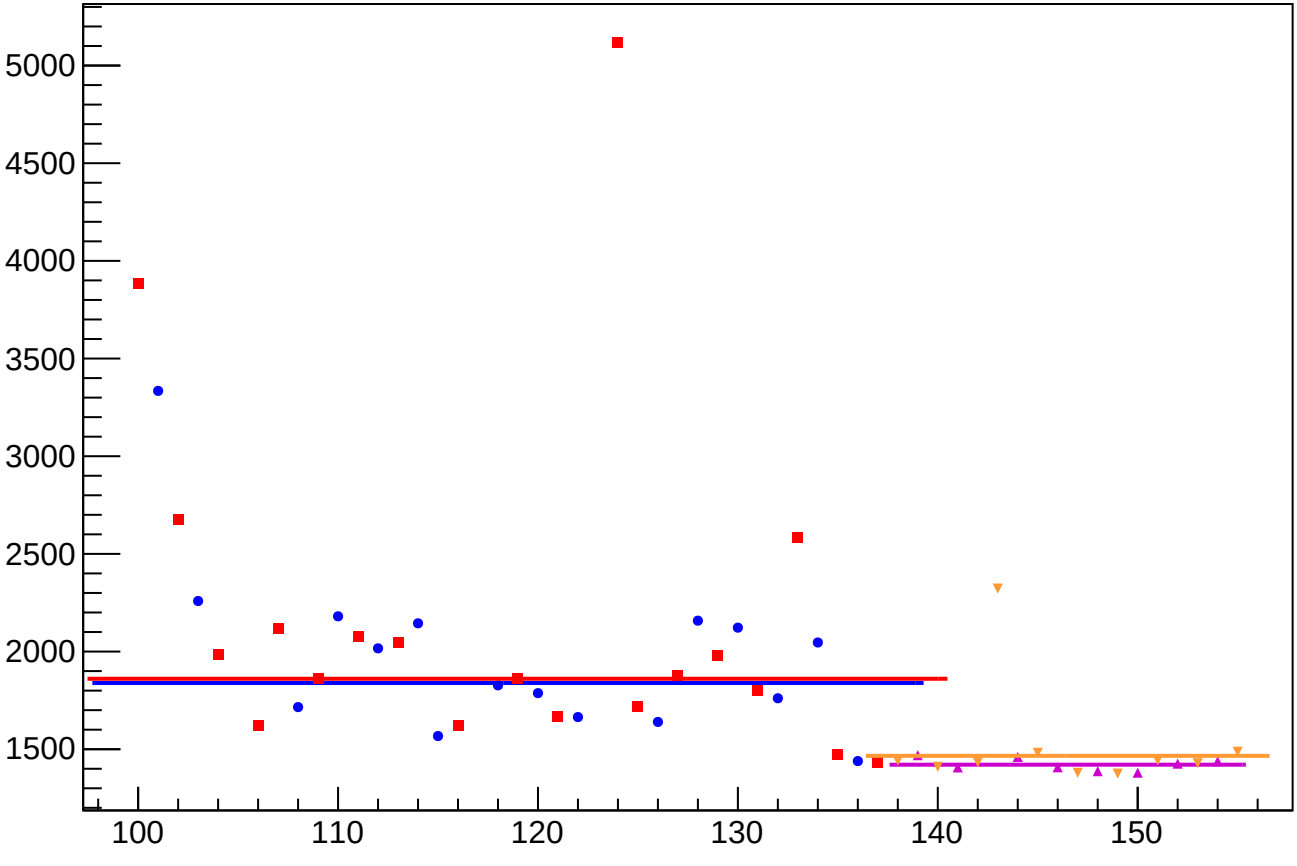
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -169.569+/-425.524 χ^2/NDF:28.8/23

Out: -837.598+/-421.097 χ^2/NDF:27.6/28

All: -507.077+/-299.314 χ^2/NDF: 57.6/52

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: 1466.140+/-0.373 χ^2/NDF:241238.4/9

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1420.773+/-0.379 χ^2/NDF:6340.0/7

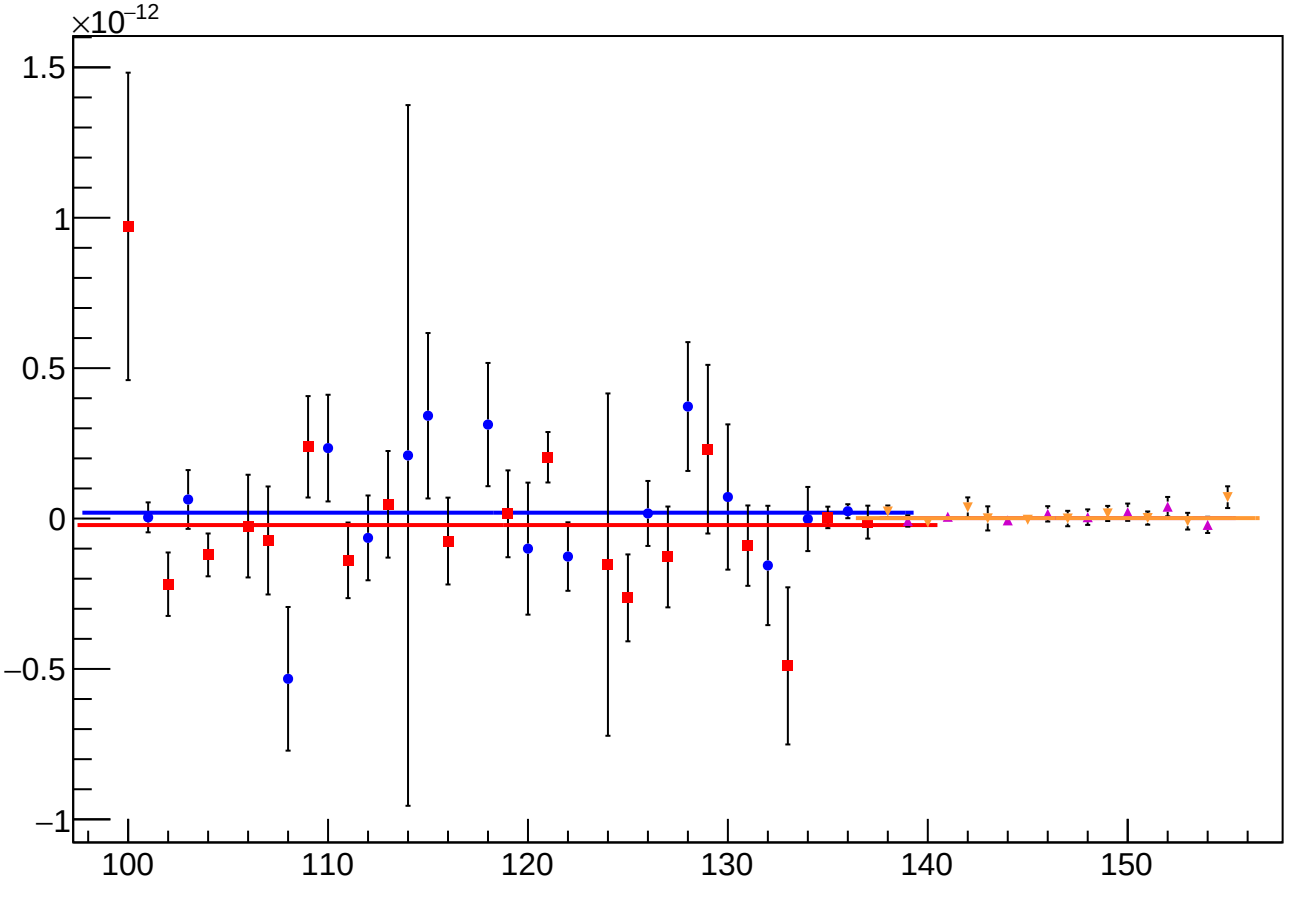
Left: 1443.845+/-0.266 χ^2/NDF: 254854.9/17

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1575.814+/-0.301 χ^2/NDF:1013961.9/23

Out: 1609.059+/-0.298 χ^2/NDF:1169078.1/28

All: 1592.610+/-0.212 χ^2/NDF: 2189207.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/7

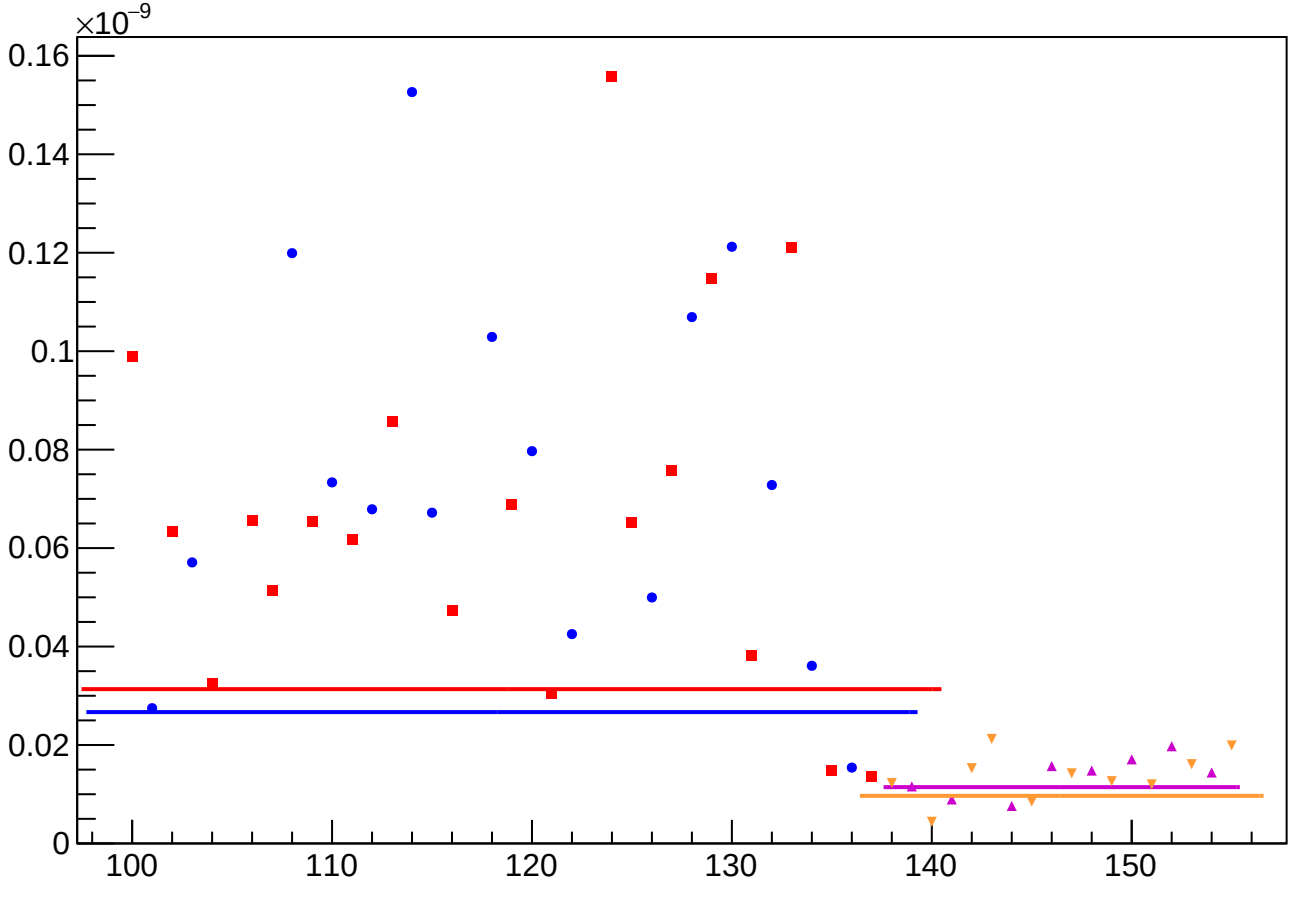
Left: 0.000+/-0.000 χ^2/NDF: 12.0/17

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:20.8/23

Out: -0.000+/-0.000 χ^2/NDF:37.6/28

All: 0.000+/-0.000 χ^2/NDF: 58.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1135929.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:536561.0/7

Left: 0.000+/-0.000 χ^2/NDF: 1738679.3/17

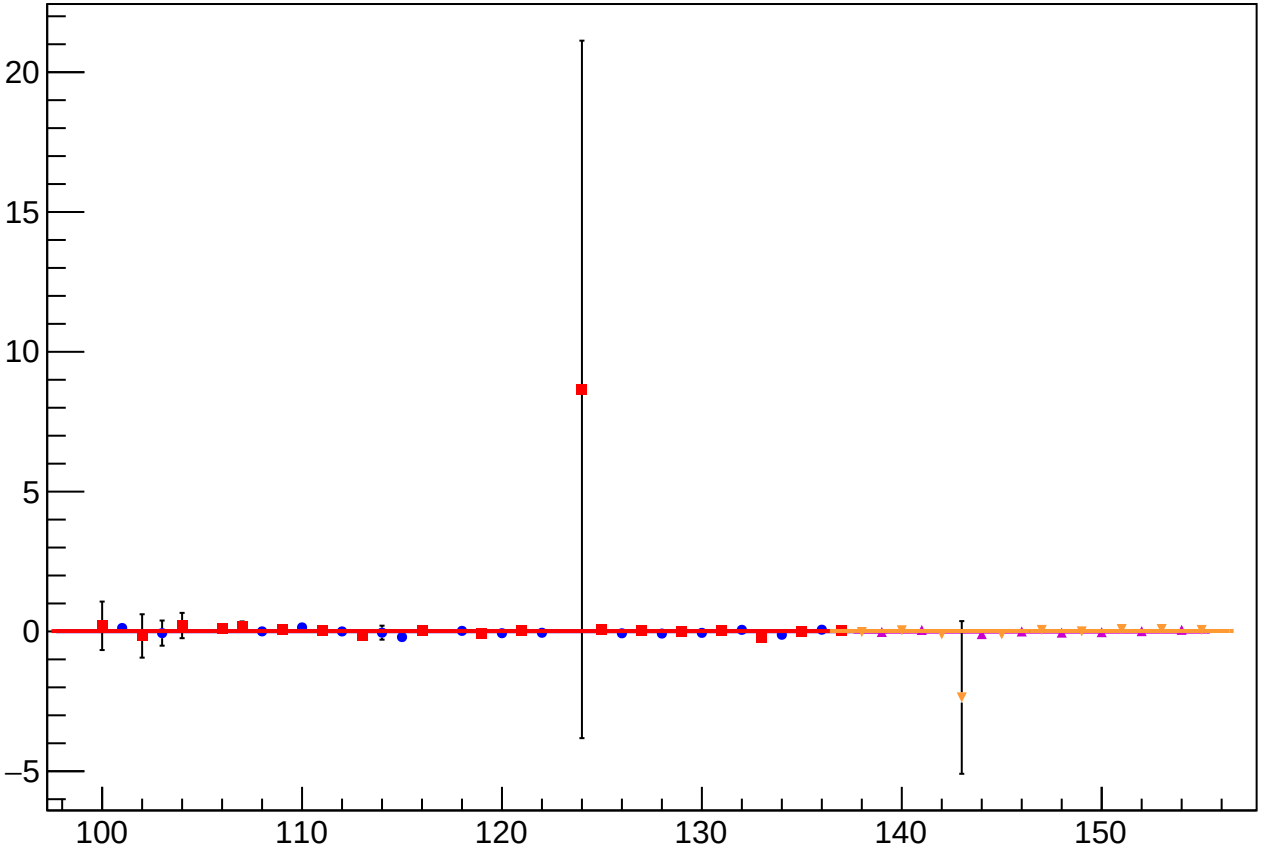
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4259638.1/23

Out: 0.000+/-0.000 χ^2/NDF:5156497.4/28

All: 0.000+/-0.000 χ^2/NDF: 9520955.1/52

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: 0.016+/-0.015 χ^2/NDF:14.3/9

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.009+/-0.014 χ^2/NDF:6.3/7

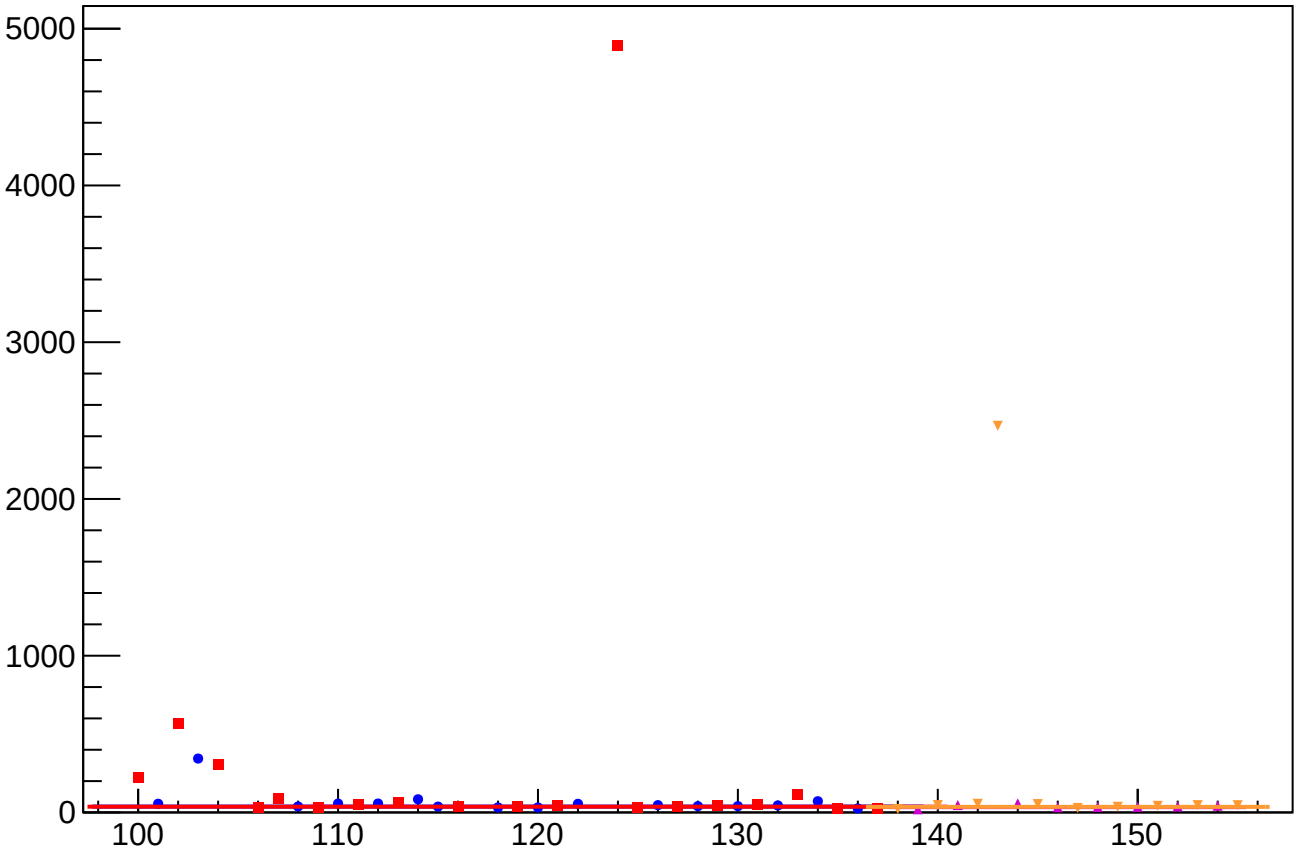
Left: 0.003+/-0.010 χ^2/NDF: 22.0/17

Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.014+/-0.011 χ^2/NDF:26.9/28

All: 0.006+/-0.008 χ^2/NDF: 54.1/52



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 35.641+/-0.010 χ^2/NDF:2680727.1/9

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.041+/-0.010 χ^2/NDF:1008115.1/7

Left: 34.816+/-0.007 χ^2/NDF: 3700853.3/17

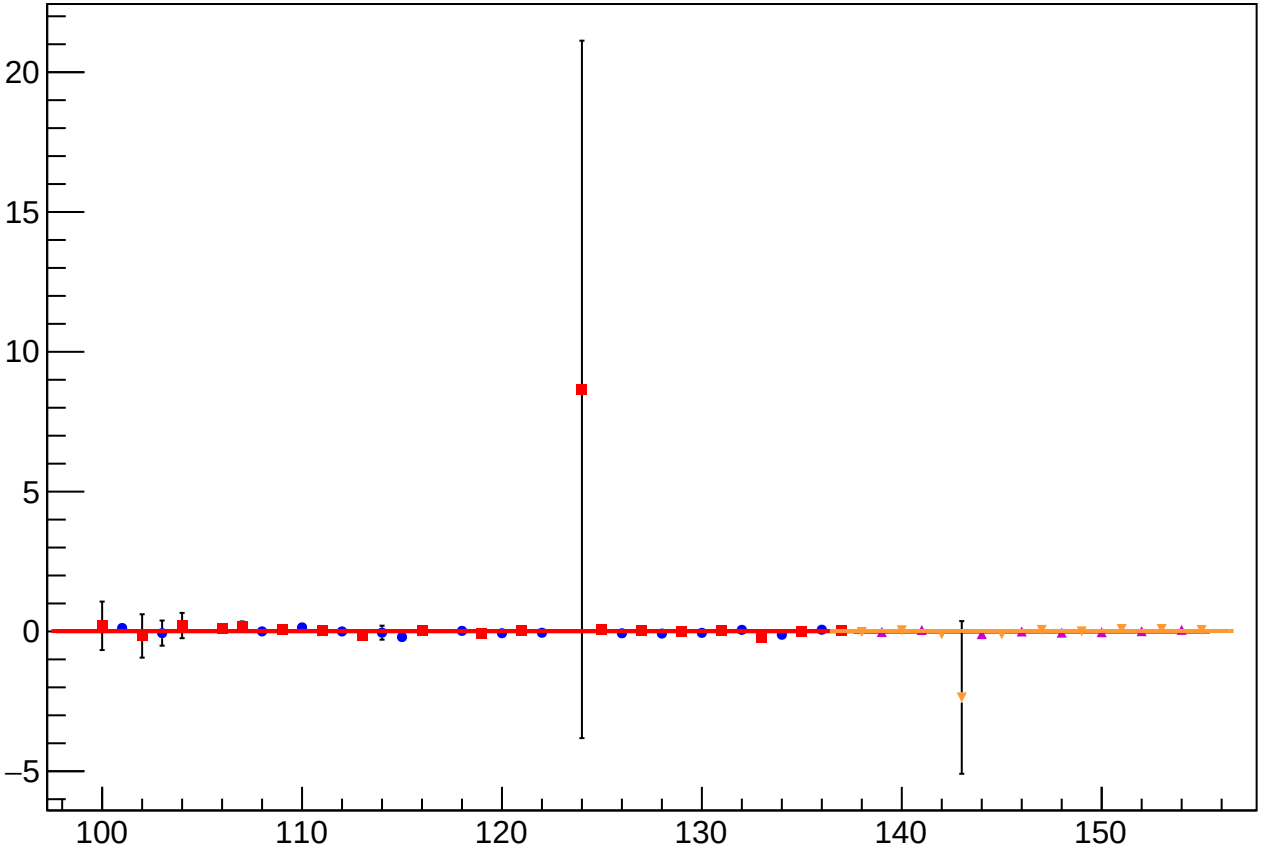
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.574+/-0.008 χ^2/NDF:3042676.1/23

Out: 36.140+/-0.008 χ^2/NDF:5876536.2/28

All: 35.848+/-0.005 χ^2/NDF: 8921913.8/52

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: 0.016+/-0.015 χ^2/NDF:14.3/9

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.003+/-0.010 χ^2/NDF: 22.0/17

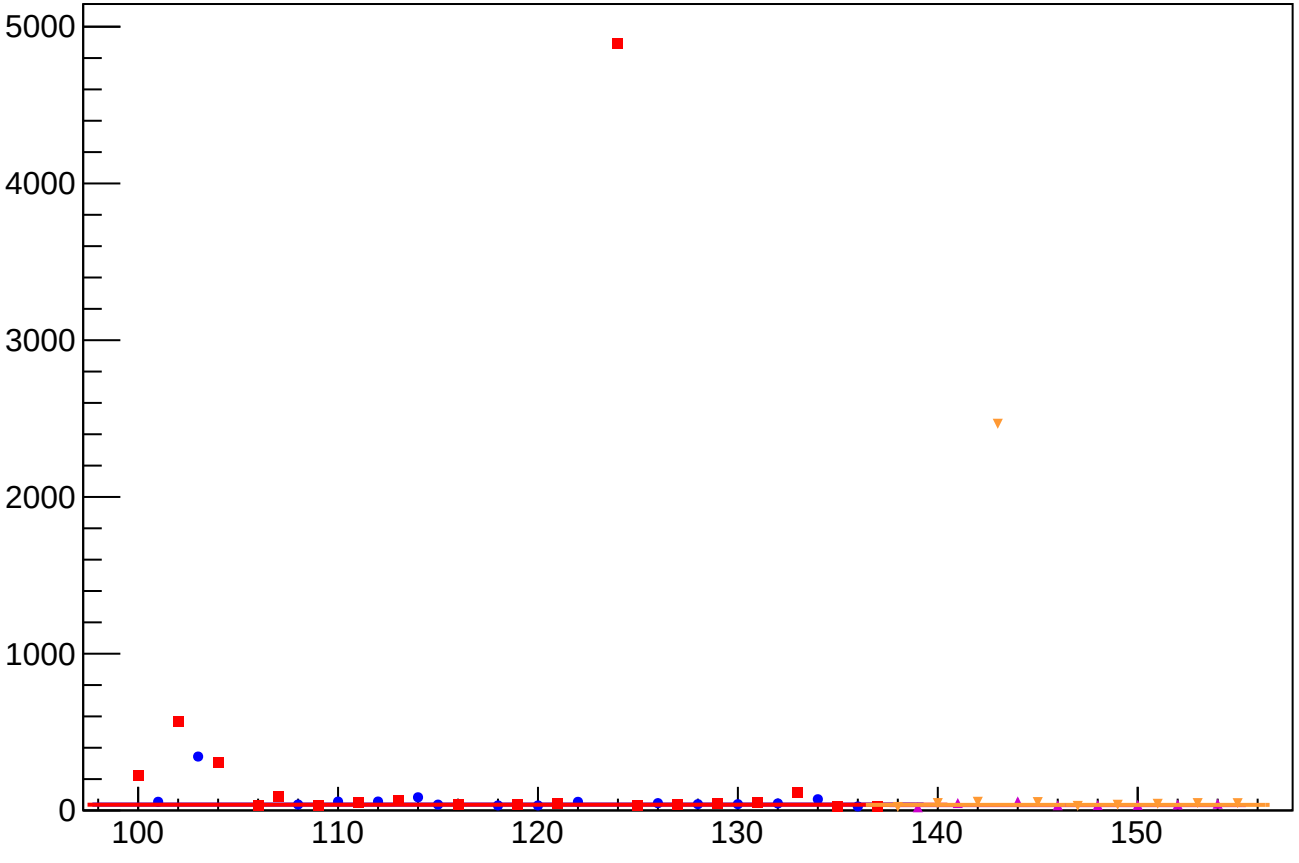
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.014+/-0.011 χ^2/NDF:26.9/28

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

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: 35.641+/-0.010 χ^2/NDF:2680727.1/9

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.041+/-0.010 χ^2/NDF:1008115.1/7

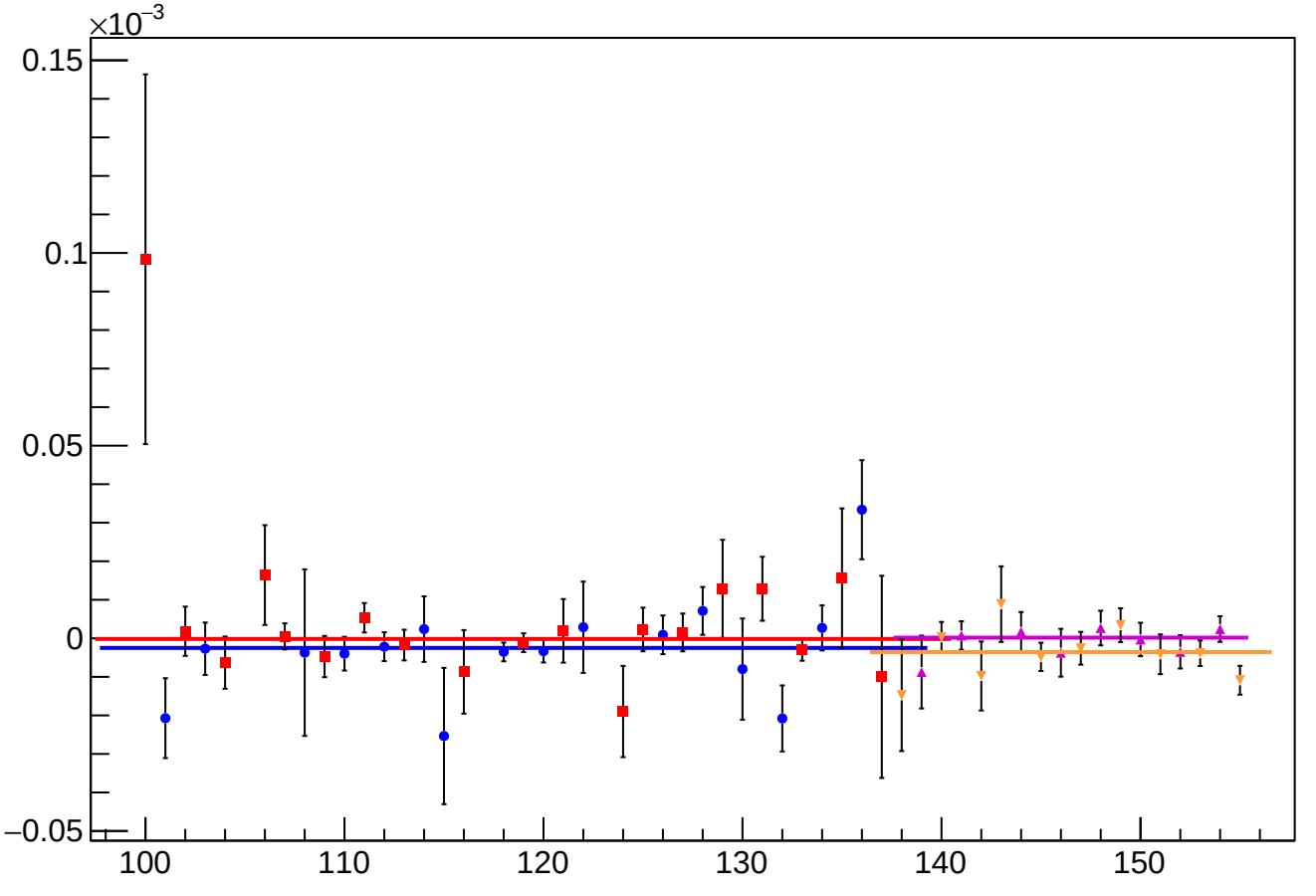
Left: 34.816+/-0.007 χ^2/NDF: 3700853.3/17

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.574+/-0.008 χ^2/NDF:3042676.1/23

Out: 36.140+/-0.008 χ^2/NDF:5876536.2/28

All: 35.848+/-0.005 χ^2/NDF: 8921913.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/7

Left: -0.000+/-0.000 χ^2/NDF: 16.1/17

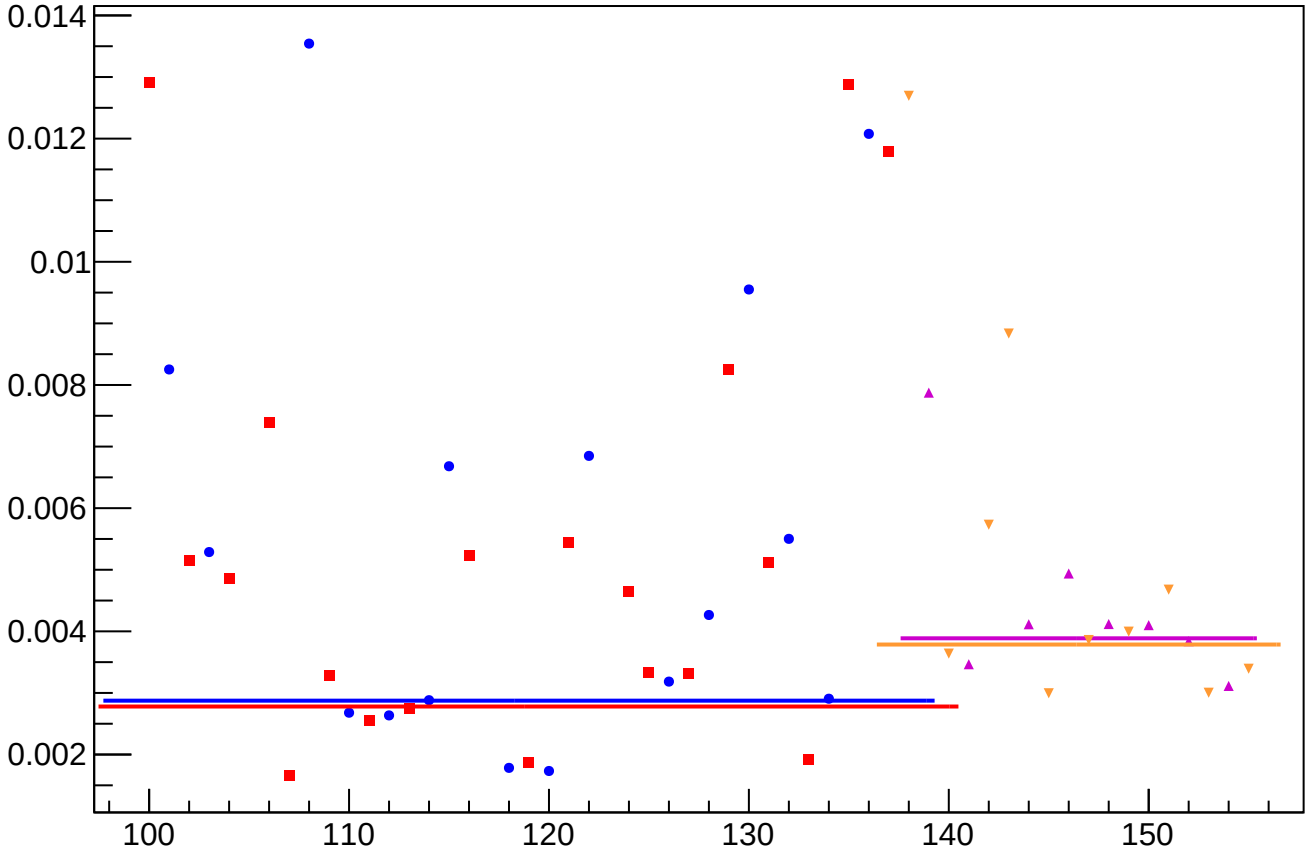
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:26.4/23

Out: -0.000+/-0.000 χ^2/NDF:32.4/28

All: -0.000+/-0.000 χ^2/NDF: 58.8/52

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1674830.2/9

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:561970.4/7

Left: 0.004+/-0.000 χ^2/NDF: 2241197.1/17

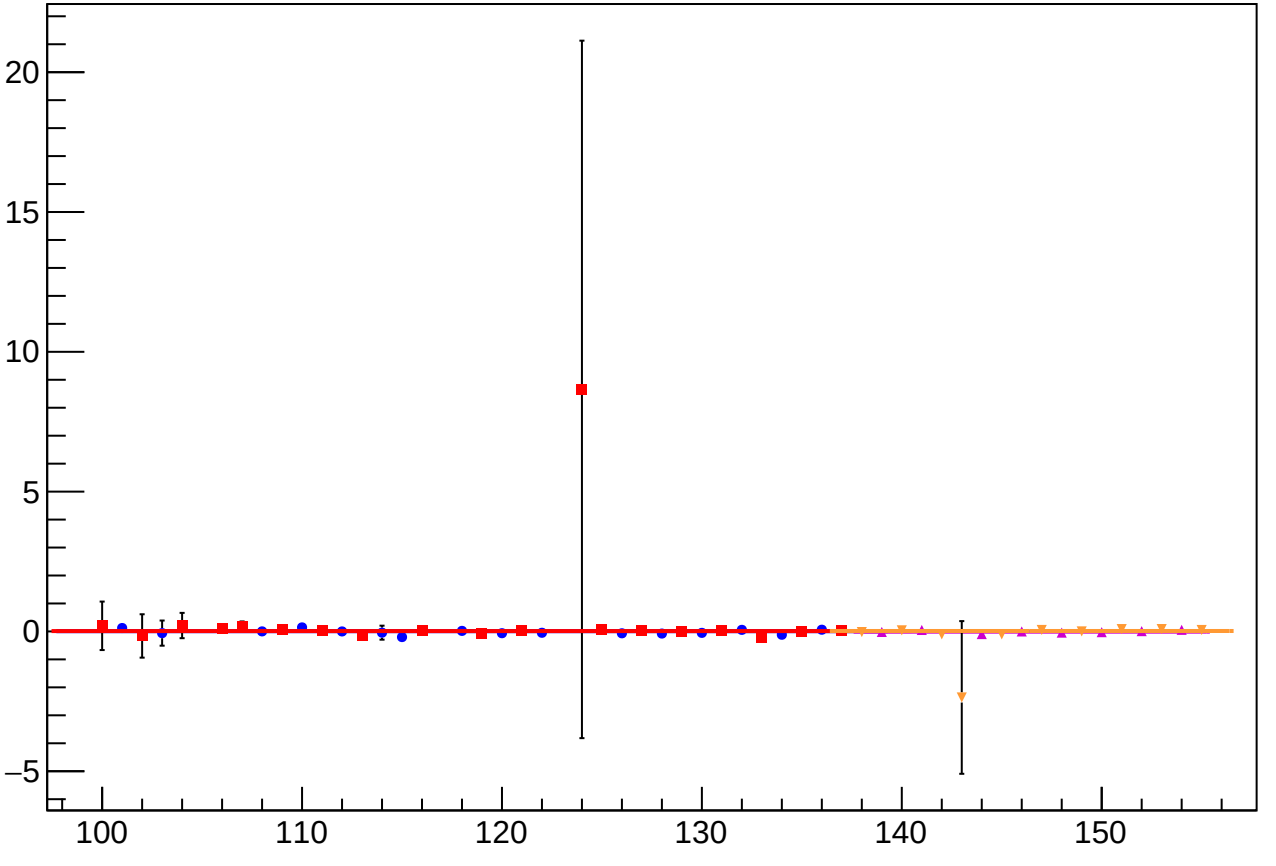
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5198199.0/23

Out: 0.003+/-0.000 χ^2/NDF:5566555.8/28

All: 0.003+/-0.000 χ^2/NDF: 10776708.0/52

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: 0.016+/-0.015 χ^2/NDF:14.3/9

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.003+/-0.010 χ^2/NDF: 22.0/17

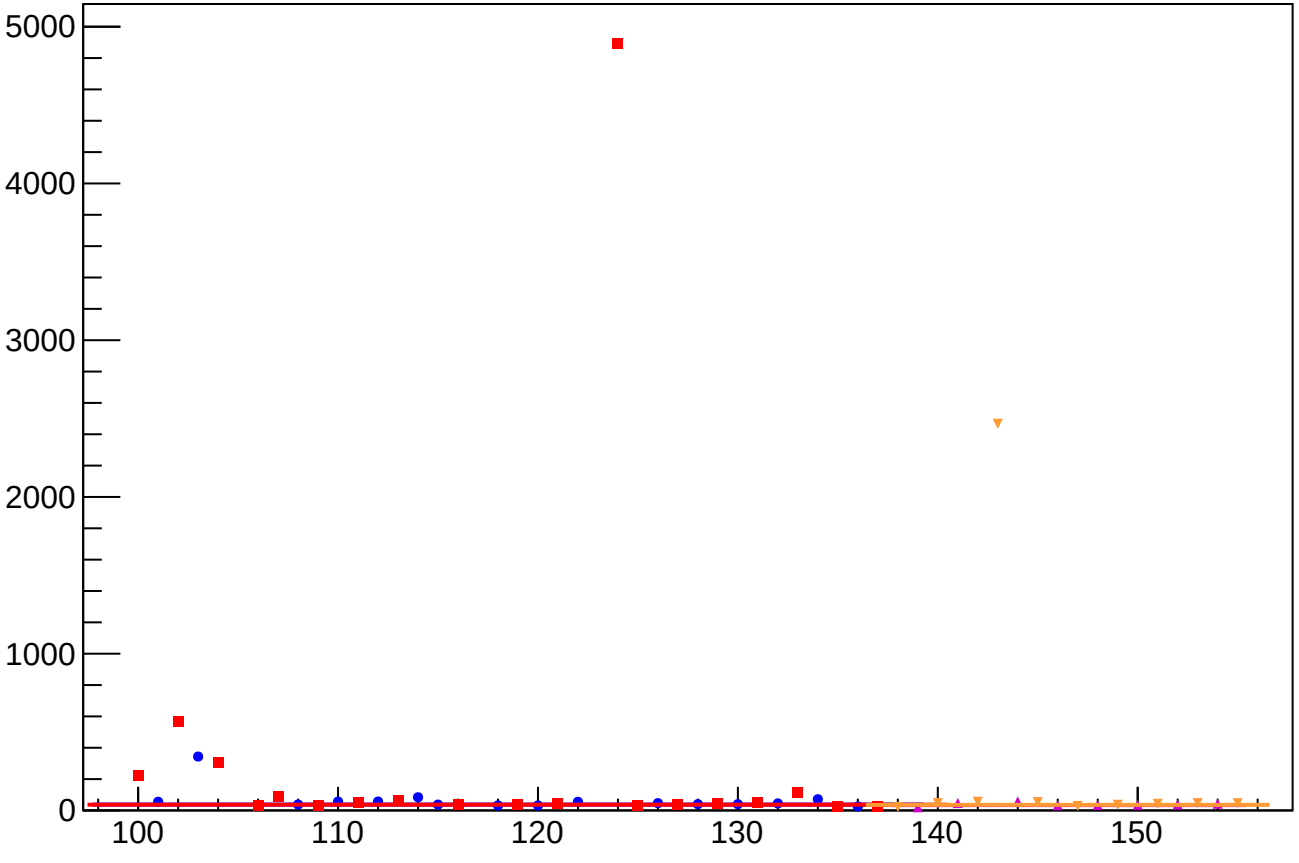
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.014+/-0.011 χ^2/NDF:26.9/28

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

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: 35.639+/-0.010 χ^2/NDF:2681192.6/9

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.045+/-0.010 χ^2/NDF:1007221.1/7

Left: 34.817+/-0.007 χ^2/NDF: 3700327.4/17

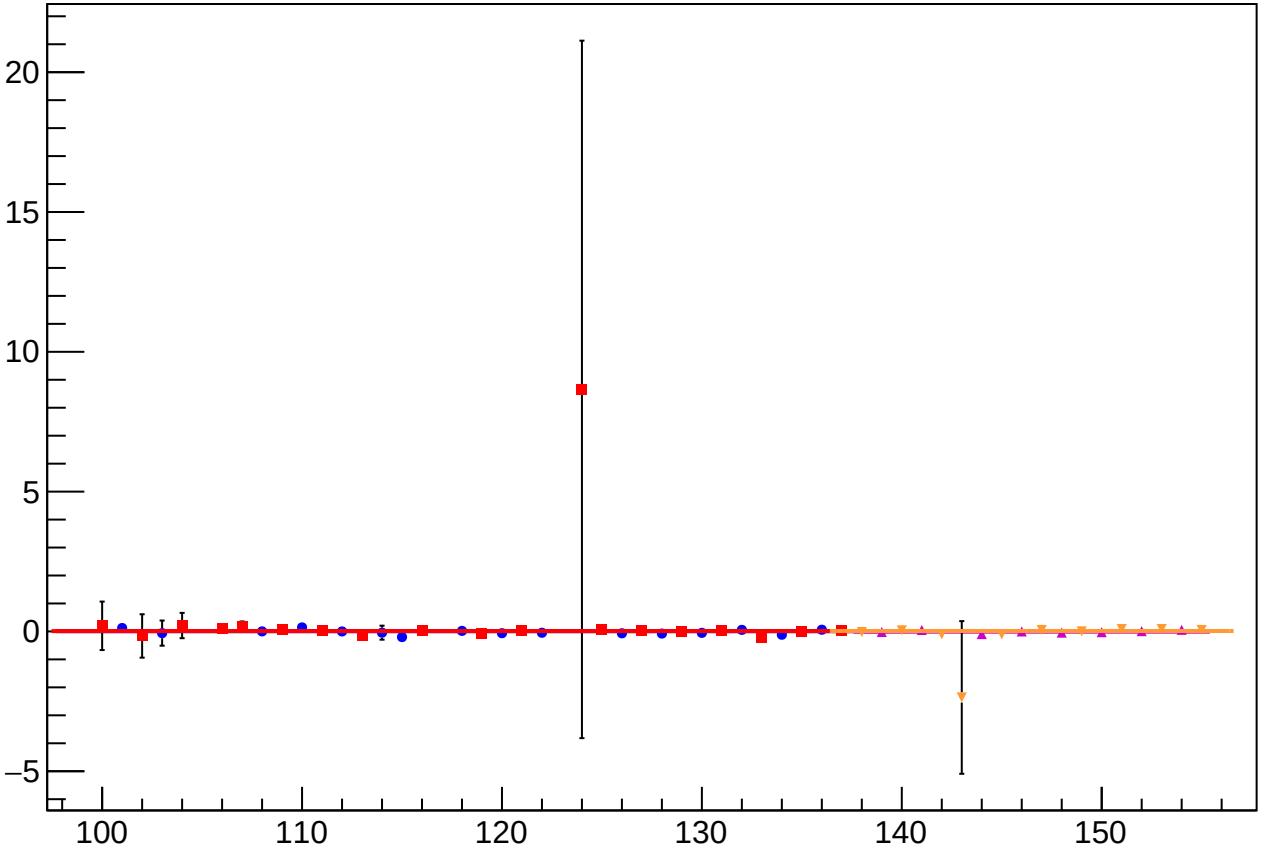
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.577+/-0.008 χ^2/NDF:3041615.1/23

Out: 36.140+/-0.008 χ^2/NDF:5876742.7/28

All: 35.849+/-0.005 χ^2/NDF: 8921028.5/52

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: 0.016+/-0.015 χ^2/NDF:14.3/9

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.003+/-0.010 χ^2/NDF: 22.0/17

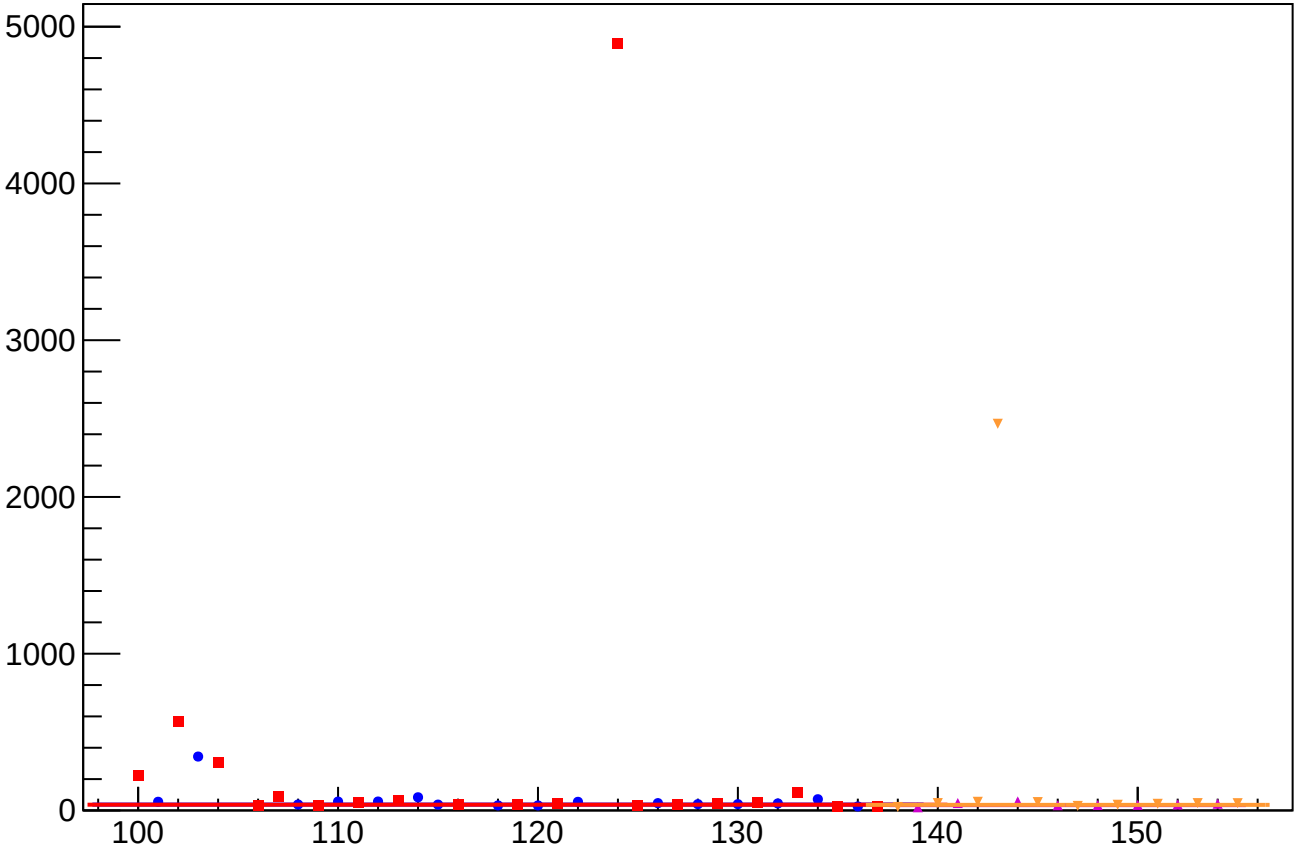
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.014+/-0.011 χ^2/NDF:26.9/28

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

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: 35.639+/-0.010 χ^2/NDF:2681192.6/9

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.045+/-0.010 χ^2/NDF:1007221.1/7

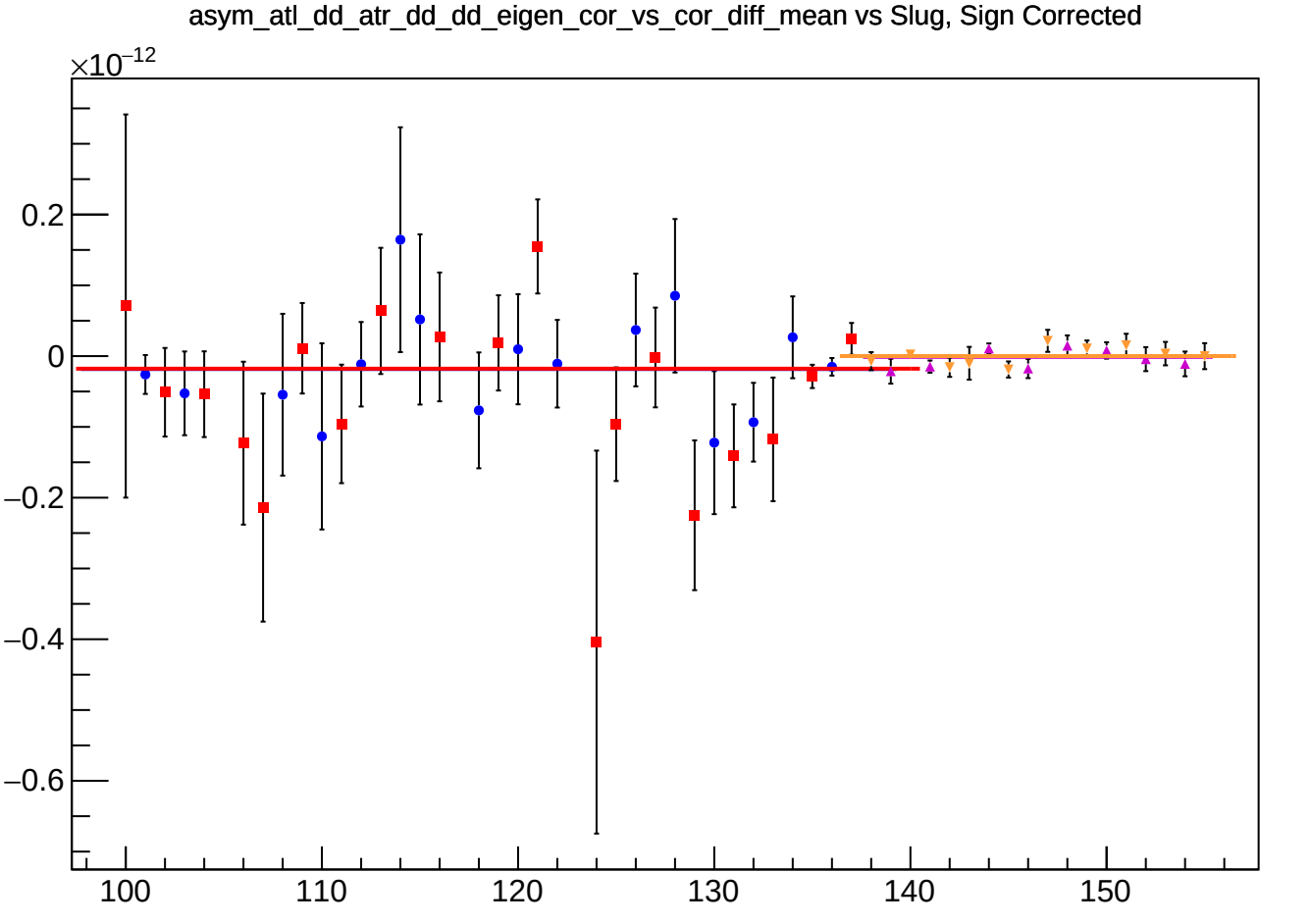
Left: 34.817+/-0.007 χ^2/NDF: 3700327.4/17

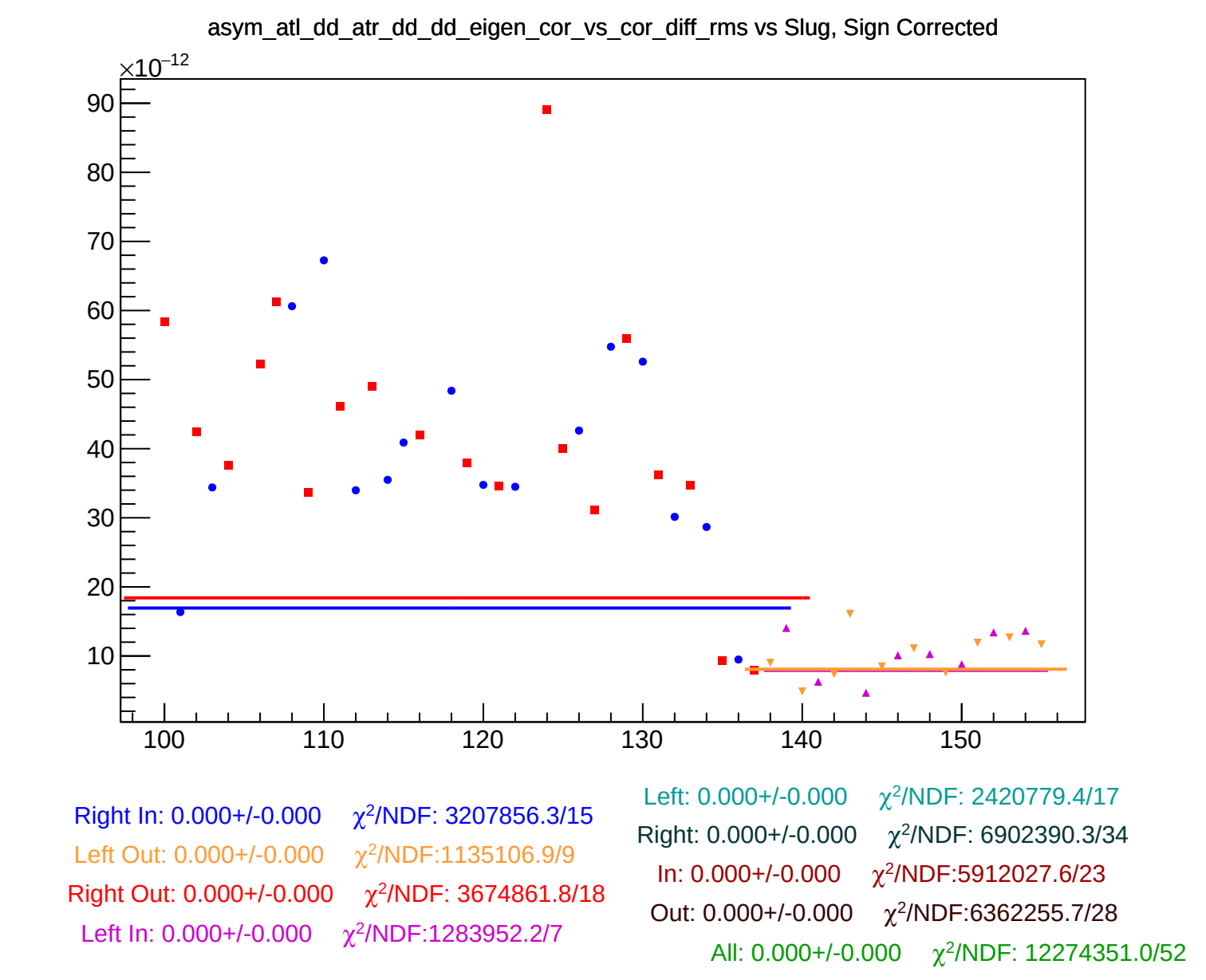
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

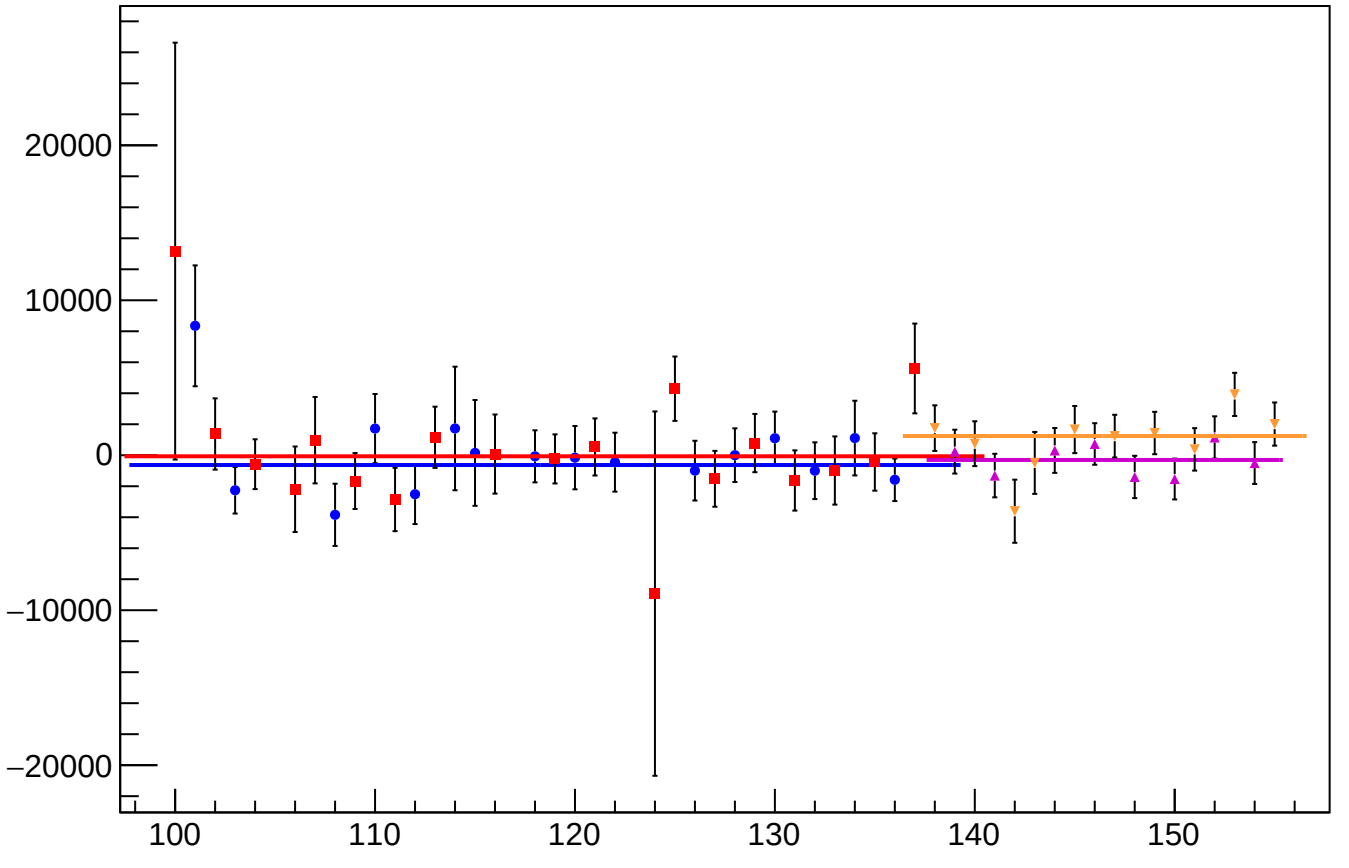
In: 35.577+/-0.008 χ^2/NDF:3041615.1/23

Out: 36.140+/-0.008 χ^2/NDF:5876742.7/28

All: 35.849+/-0.005 χ^2/NDF: 8921028.5/52


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: 0.000+/-0.000 χ²/NDF:8.5/9
Right Out: -0.000+/-0.000 χ²/NDF: 27.3/18
Left In: -0.000+/-0.000 χ²/NDF:10.4/7
Left: -0.000+/-0.000 χ²/NDF: 18.9/17
Right: -0.000+/-0.000 χ²/NDF: 35.6/34
In: -0.000+/-0.000 χ²/NDF:21.3/23
Out: -0.000+/-0.000 χ²/NDF:38.0/28
All: -0.000+/-0.000 χ²/NDF: 59.4/52


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1135106.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1283952.2/7
Left: 0.000+/-0.000 χ²/NDF: 2420779.4/17
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:5912027.6/23
Out: 0.000+/-0.000 χ²/NDF:6362255.7/28
All: 0.000+/-0.000 χ²/NDF: 12274351.0/52



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.494+/-472.044 χ^2/NDF:11.2/9

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -304.408+/-485.703 χ^2/NDF:4.1/7

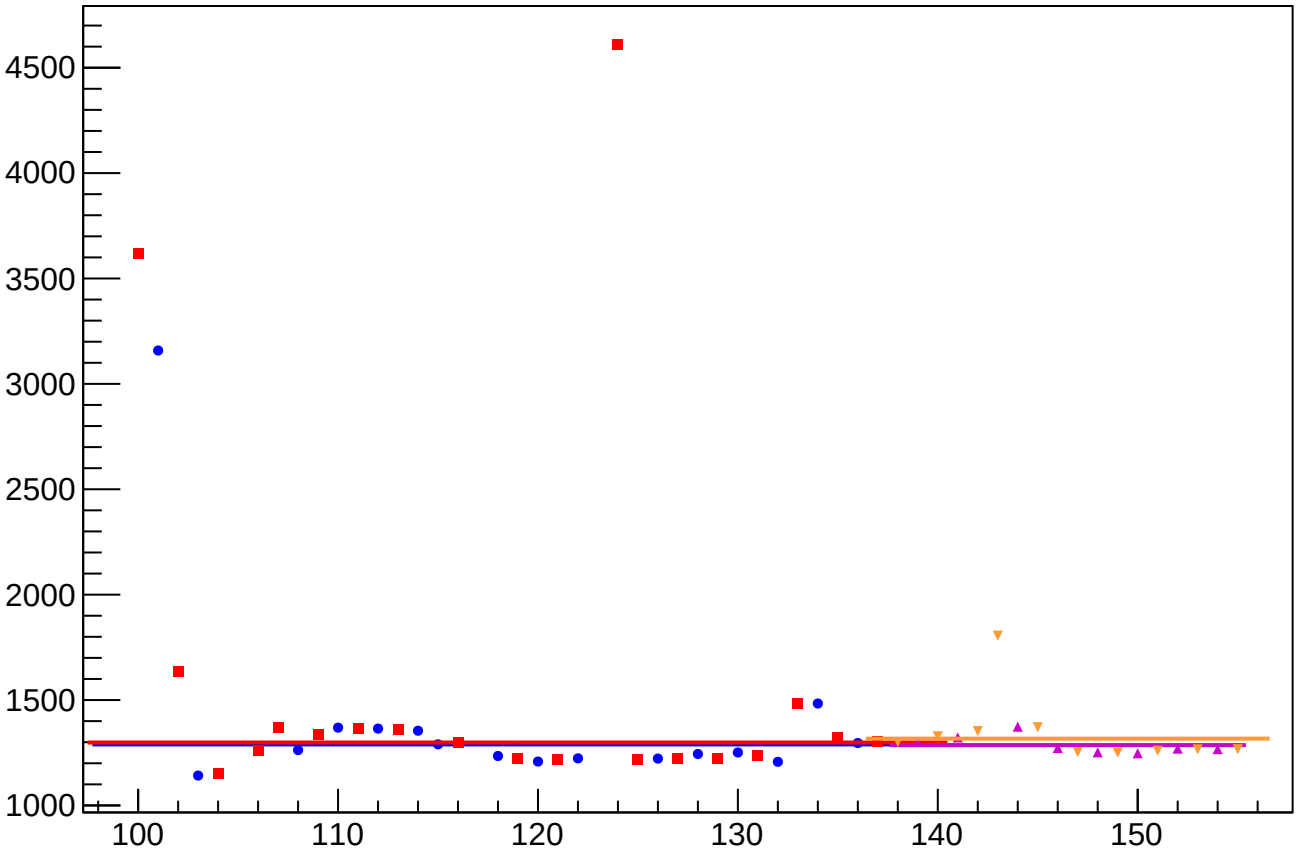
Left: 489.557+/-338.512 χ^2/NDF: 20.5/17

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -466.733+/-344.486 χ^2/NDF:18.2/23

Out: 607.324+/-339.206 χ^2/NDF:30.8/28

All: 78.590+/-241.700 χ^2/NDF: 53.9/52



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

Left: 1302.171+/-0.239 χ^2/NDF: 157495.7/17

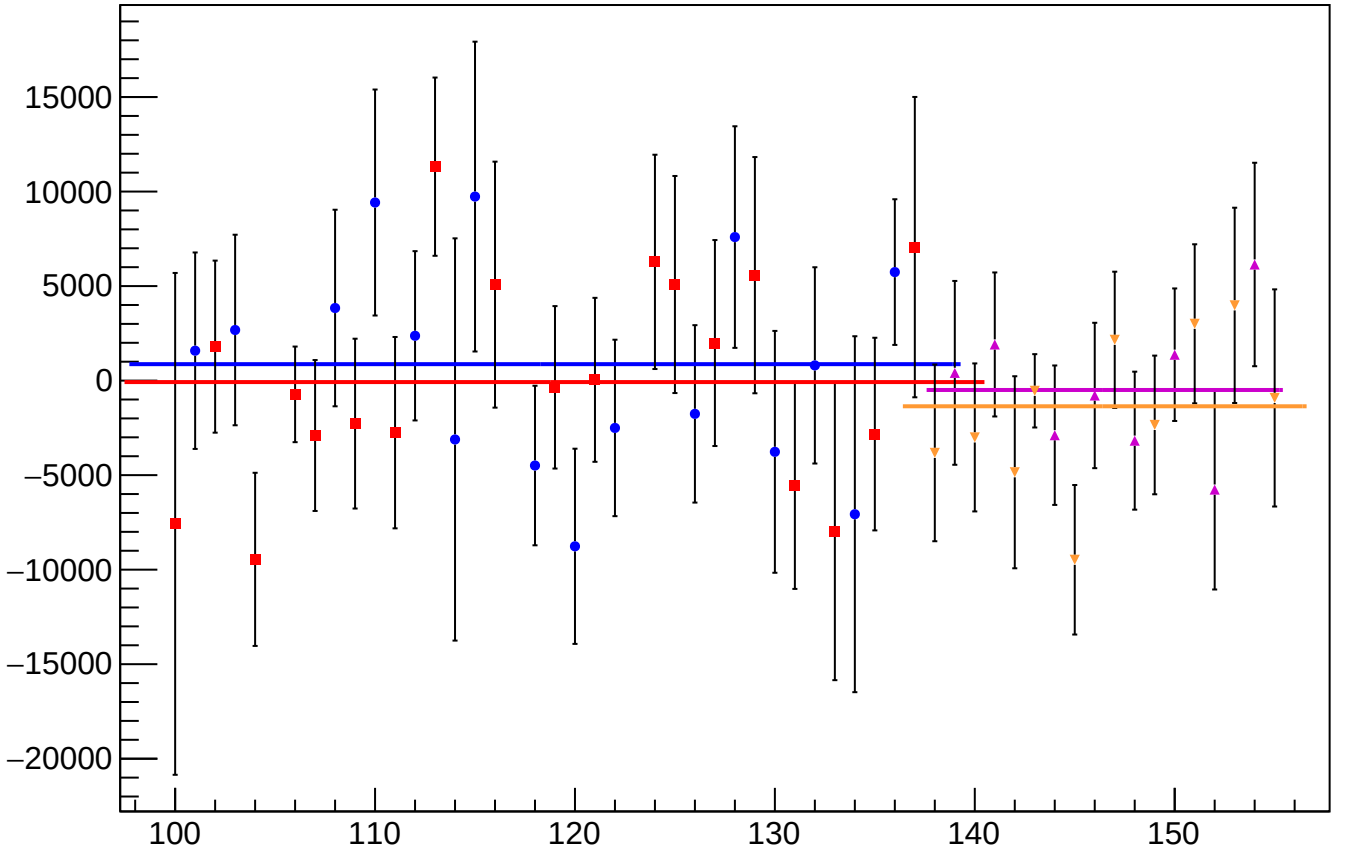
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1287.918+/-0.244 χ^2/NDF:527482.6/23

Out: 1308.144+/-0.240 χ^2/NDF:461474.0/28

All: 1298.200+/-0.171 χ^2/NDF: 992461.5/52

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: -1357.908+/-1150.718 χ^2/NDF:8.5/9

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -495.554+/-1444.613 χ^2/NDF:4.2/7

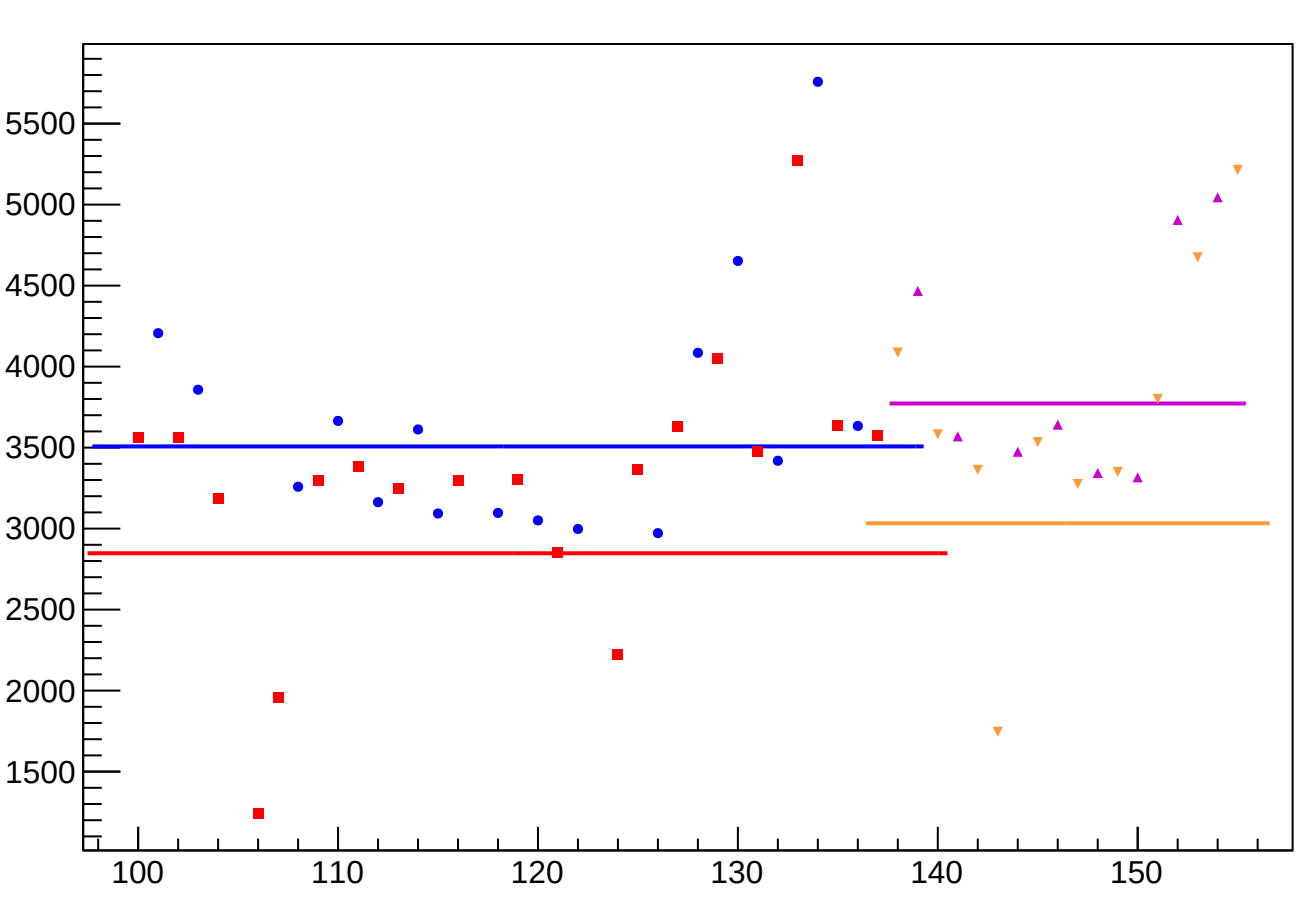
Left: -1023.148+/-900.069 χ^2/NDF: 12.9/17

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 246.106+/-976.581 χ^2/NDF:18.7/23

Out: -695.177+/-799.296 χ^2/NDF:27.5/28

All: -317.576+/-618.536 χ^2/NDF: 46.8/52



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3033.033+/-0.814 χ^2/NDF:1643086.7/9

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3772.211+/-1.021 χ^2/NDF:327203.3/7

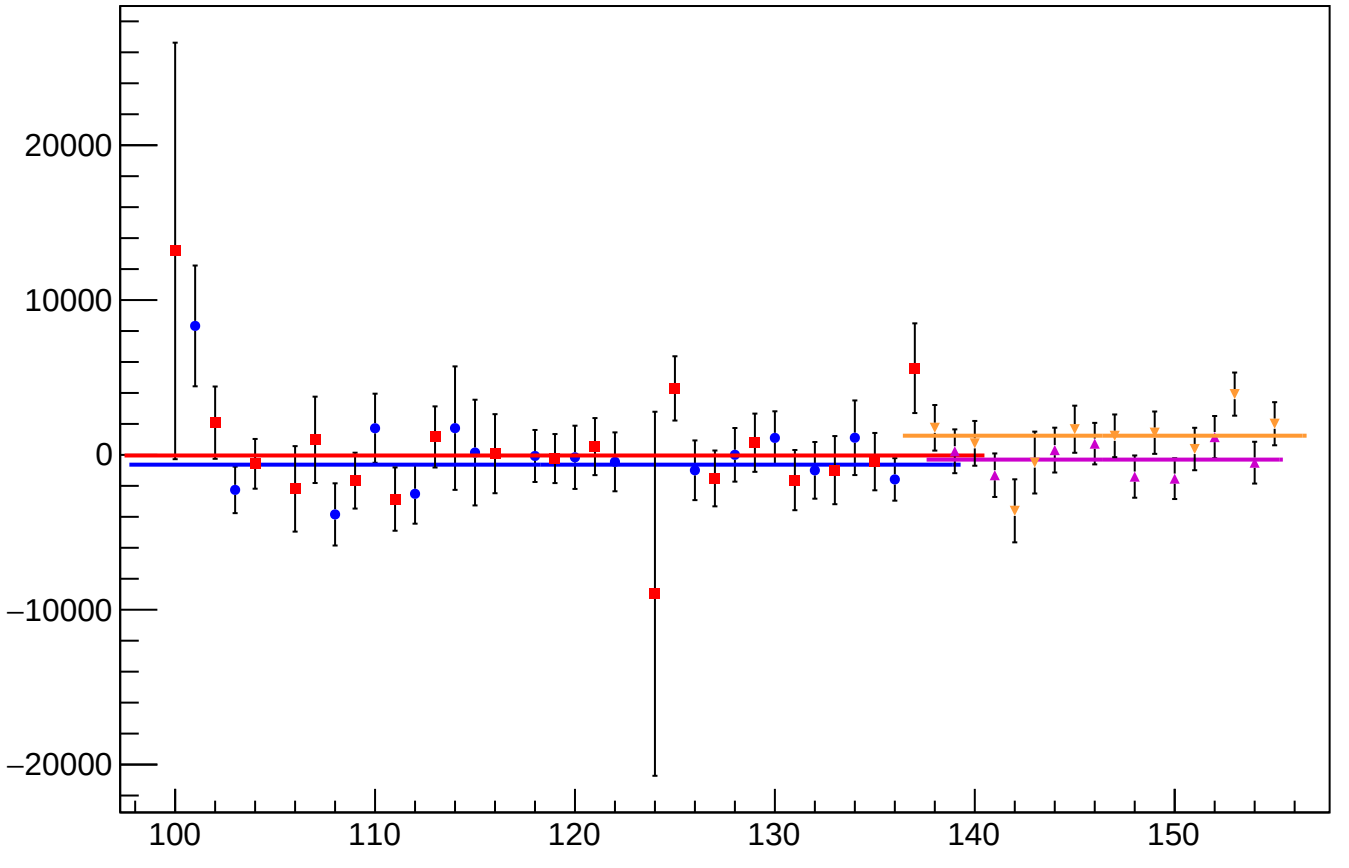
Left: 3319.977+/-0.636 χ^2/NDF: 2290650.6/17

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3628.416+/-0.691 χ^2/NDF:717675.6/23

Out: 2937.188+/-0.565 χ^2/NDF:3169270.6/28

All: 3214.478+/-0.437 χ^2/NDF: 4486973.6/52



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.450+/-472.044 χ^2/NDF:11.2/9

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -304.385+/-485.703 χ^2/NDF:4.1/7

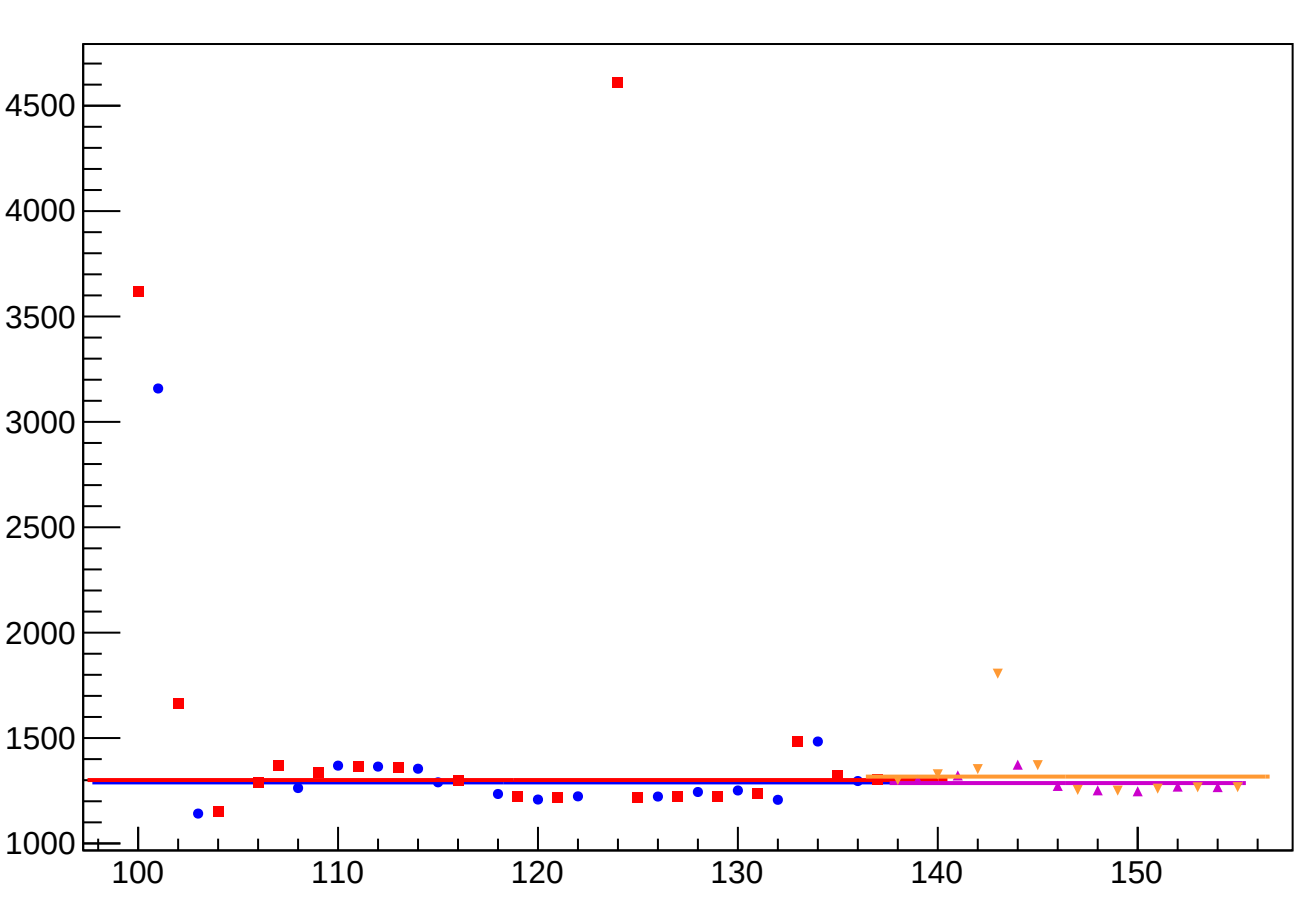
Left: 489.545+/-338.512 χ^2/NDF: 20.5/17

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -466.913+/-344.486 χ^2/NDF:18.2/23

Out: 621.759+/-339.315 χ^2/NDF:31.0/28

All: 85.655+/-241.739 χ^2/NDF: 54.3/52



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

Left: 1302.171+/-0.239 χ^2/NDF: 157495.7/17

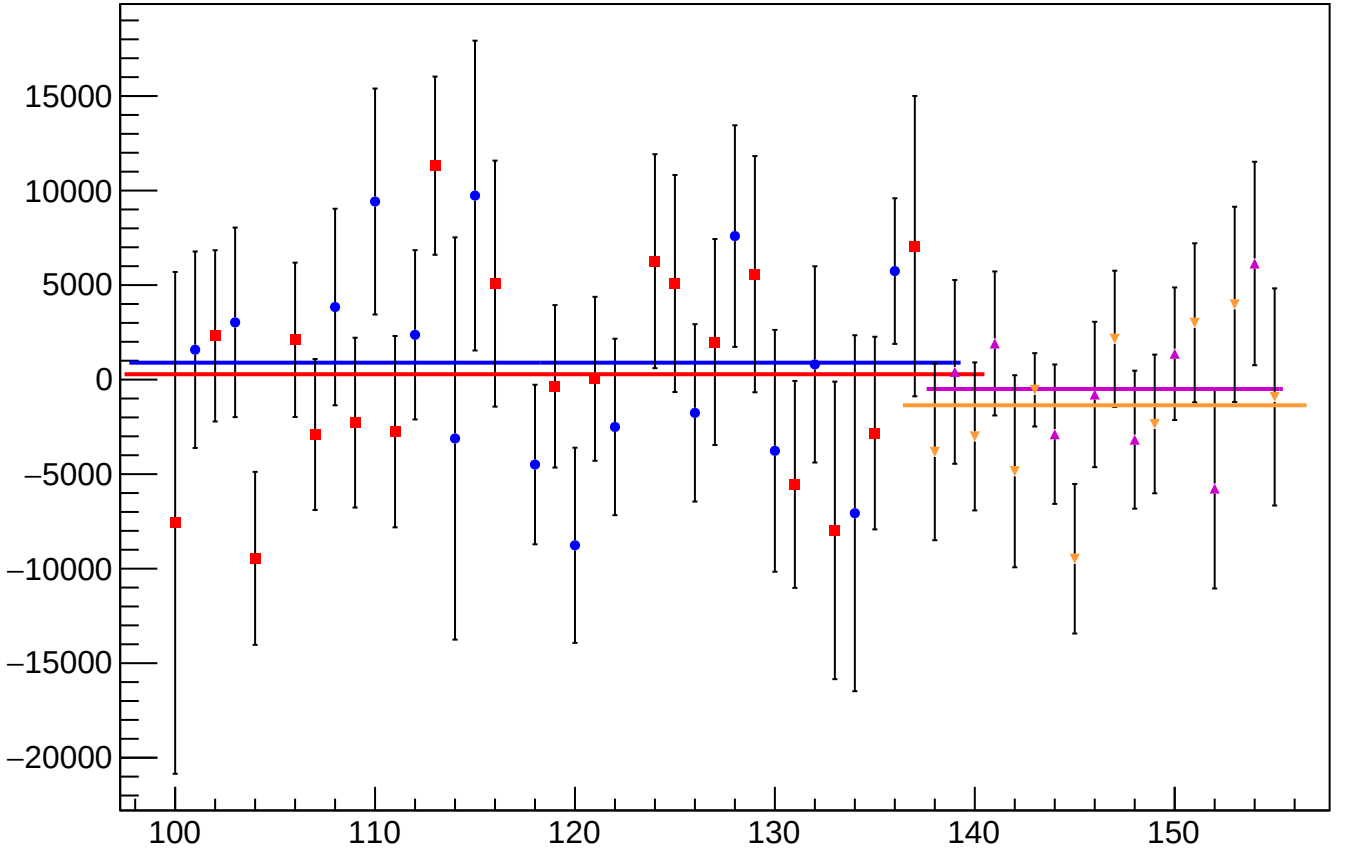
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.918+/-0.244 χ^2/NDF:527484.1/23

Out: 1309.140+/-0.240 χ^2/NDF:467697.7/28

All: 1298.699+/-0.171 χ^2/NDF: 999037.5/52

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: -1357.832+/-1150.716 χ^2/NDF:8.5/9

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -495.604+/-1444.611 χ^2/NDF:4.2/7

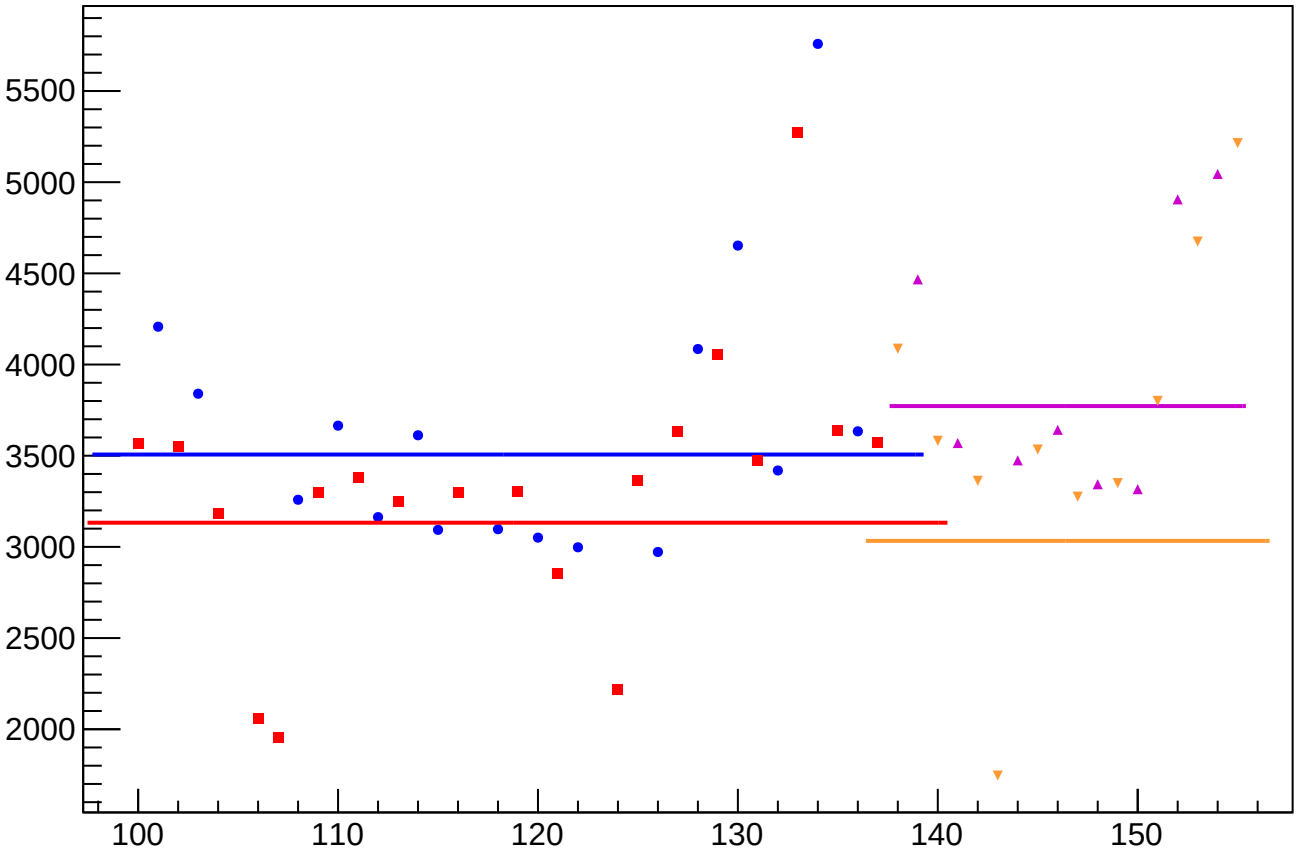
Left: -1023.121+/-900.068 χ^2/NDF: 12.9/17

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 260.287+/-976.398 χ^2/NDF:18.8/23

Out: -559.761+/-824.914 χ^2/NDF:28.1/28

All: -218.216+/-630.132 χ^2/NDF: 47.3/52



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3033.023+/-0.814 χ^2/NDF:1643113.7/9

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3772.206+/-1.021 χ^2/NDF:327202.8/7

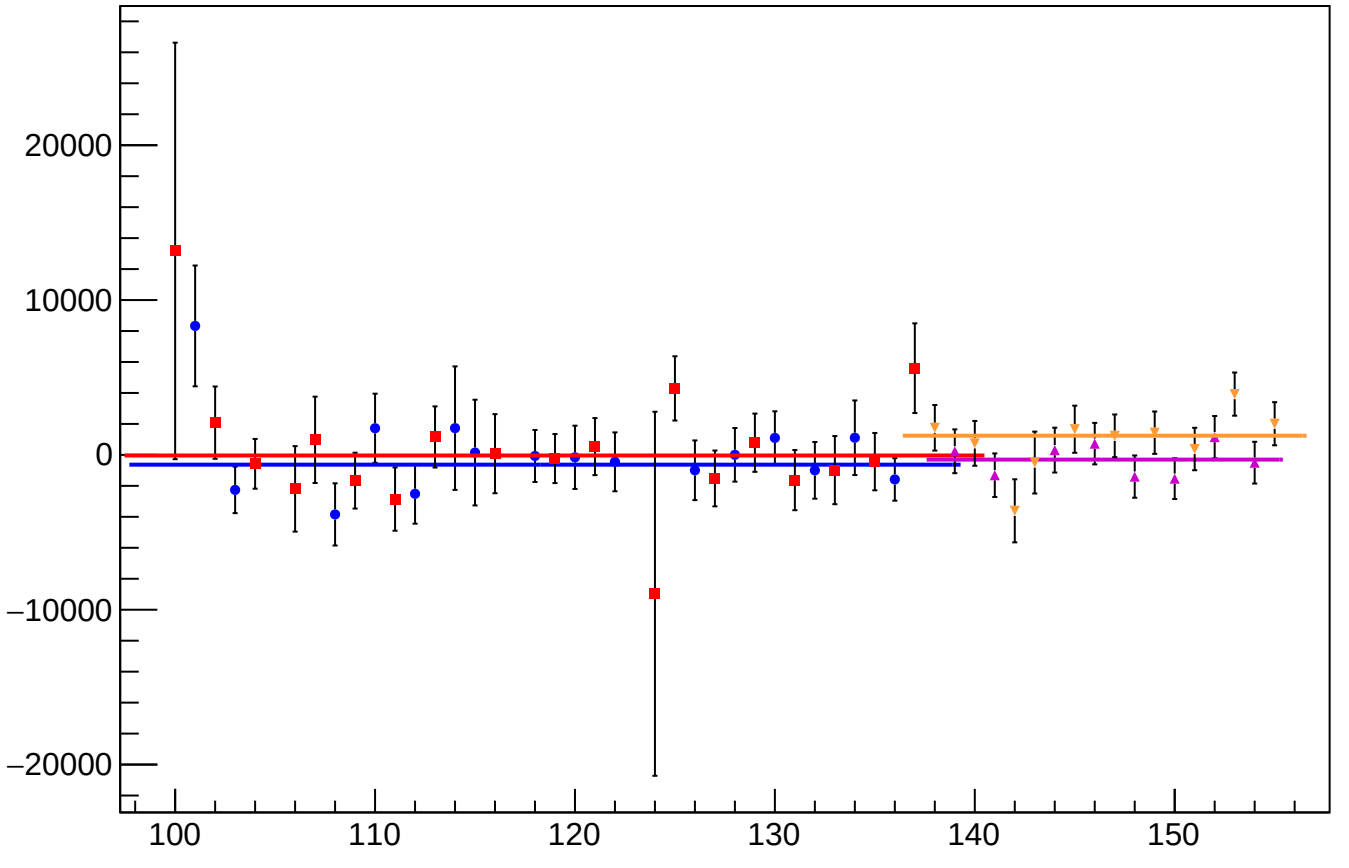
Left: 3319.969+/-0.636 χ^2/NDF: 2290682.4/17

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3627.873+/-0.690 χ^2/NDF:717195.9/23

Out: 3081.420+/-0.583 χ^2/NDF:2300002.9/28

All: 3309.015+/-0.446 χ^2/NDF: 3382731.6/52



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.450+/-472.044 χ^2/NDF:11.2/9

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -304.385+/-485.703 χ^2/NDF:4.1/7

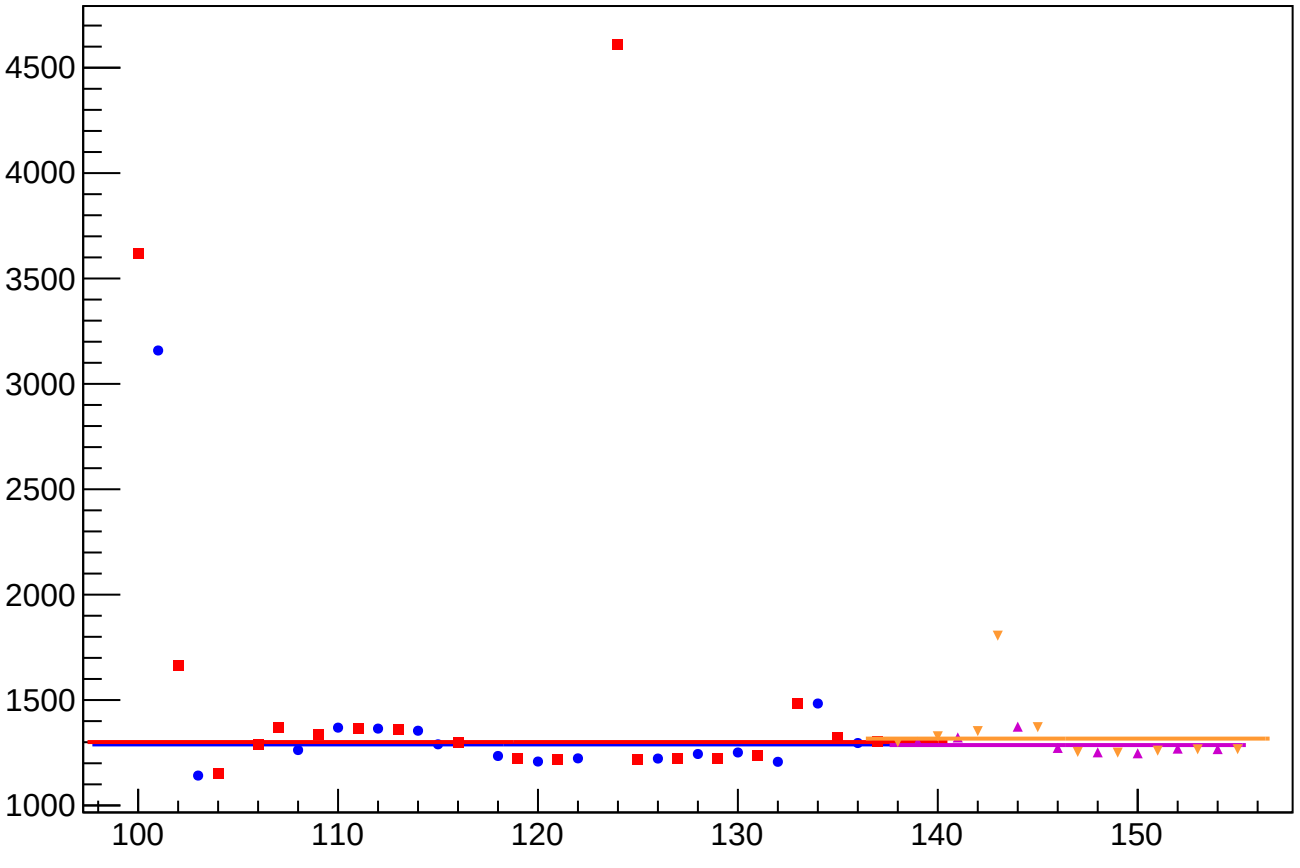
Left: 489.545+/-338.512 χ^2/NDF: 20.5/17

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -466.913+/-344.486 χ^2/NDF:18.2/23

Out: 621.759+/-339.315 χ^2/NDF:31.0/28

All: 85.655+/-241.739 χ^2/NDF: 54.3/52



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

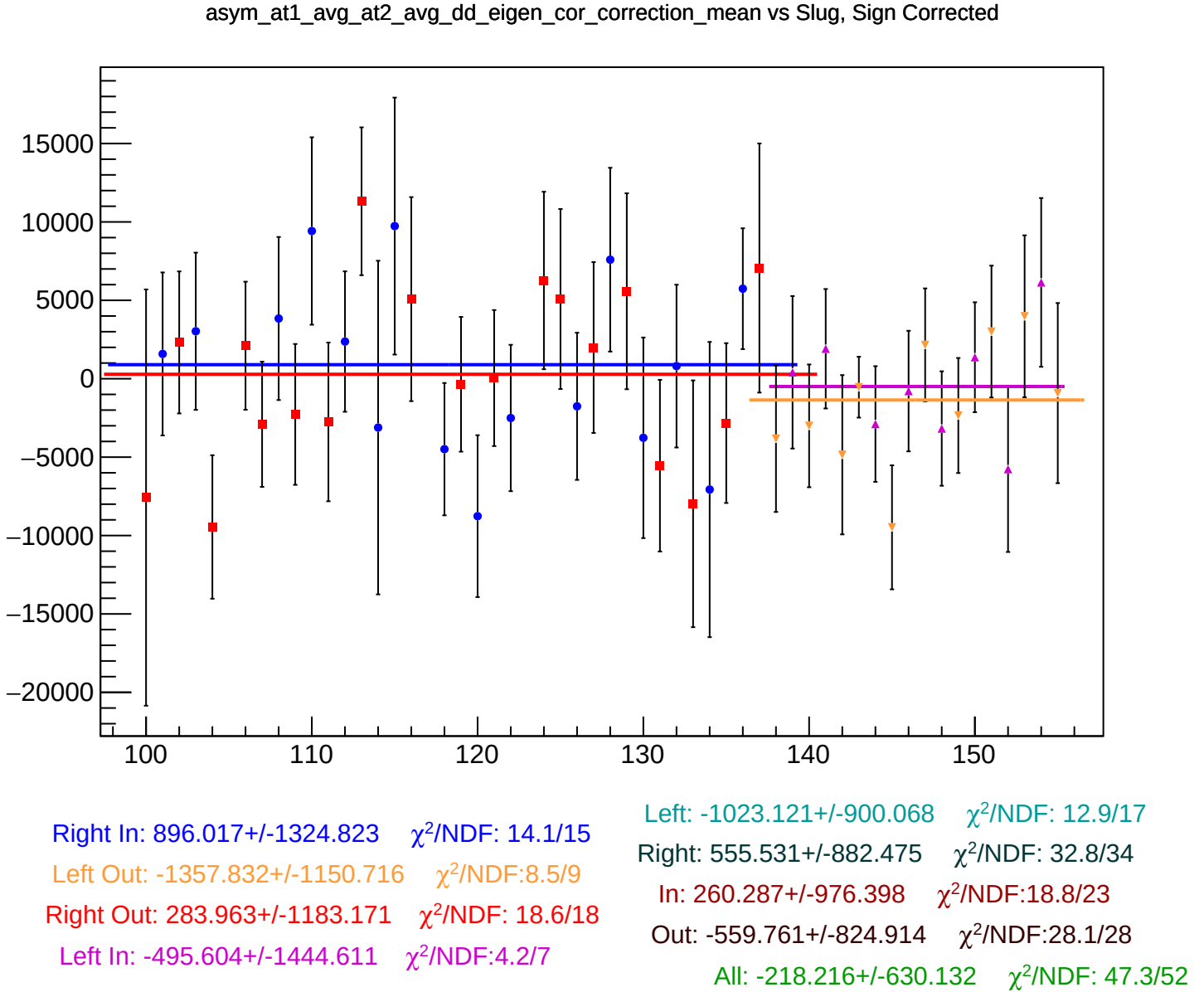
Left: 1302.171+/-0.239 χ^2/NDF: 157495.7/17

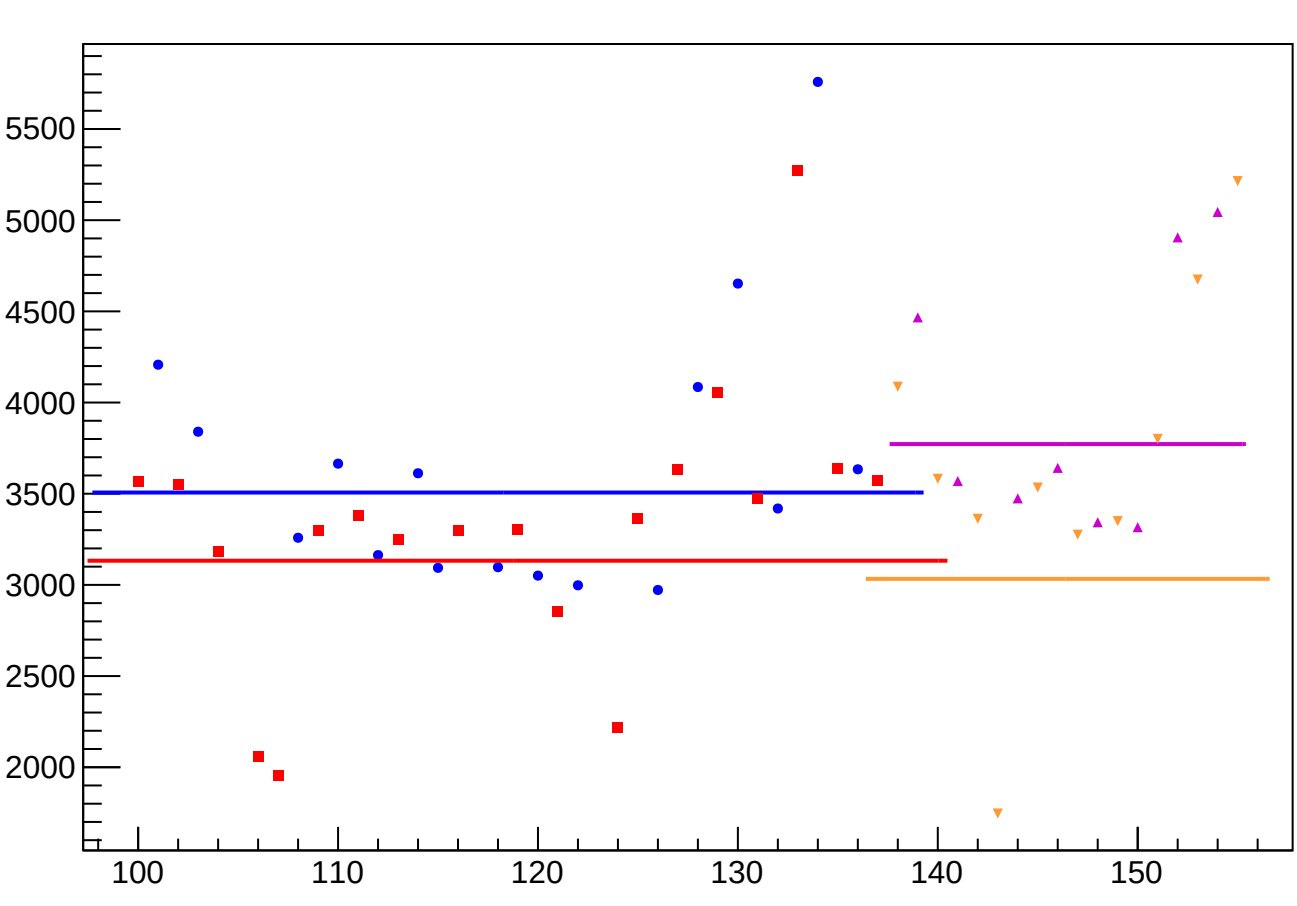
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.918+/-0.244 χ^2/NDF:527484.1/23

Out: 1309.140+/-0.240 χ^2/NDF:467697.7/28

All: 1298.699+/-0.171 χ^2/NDF: 999037.5/52


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1357.832+/-1150.716 χ²/NDF:8.5/9
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -495.604+/-1444.611 χ²/NDF:4.2/7
Left: -1023.121+/-900.068 χ²/NDF: 12.9/17
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 260.287+/-976.398 χ²/NDF:18.8/23
Out: -559.761+/-824.914 χ²/NDF:28.1/28
All: -218.216+/-630.132 χ²/NDF: 47.3/52



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3033.023+/-0.814 χ^2/NDF:1643113.7/9

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3772.206+/-1.021 χ^2/NDF:327202.8/7

Left: 3319.969+/-0.636 χ^2/NDF: 2290682.4/17

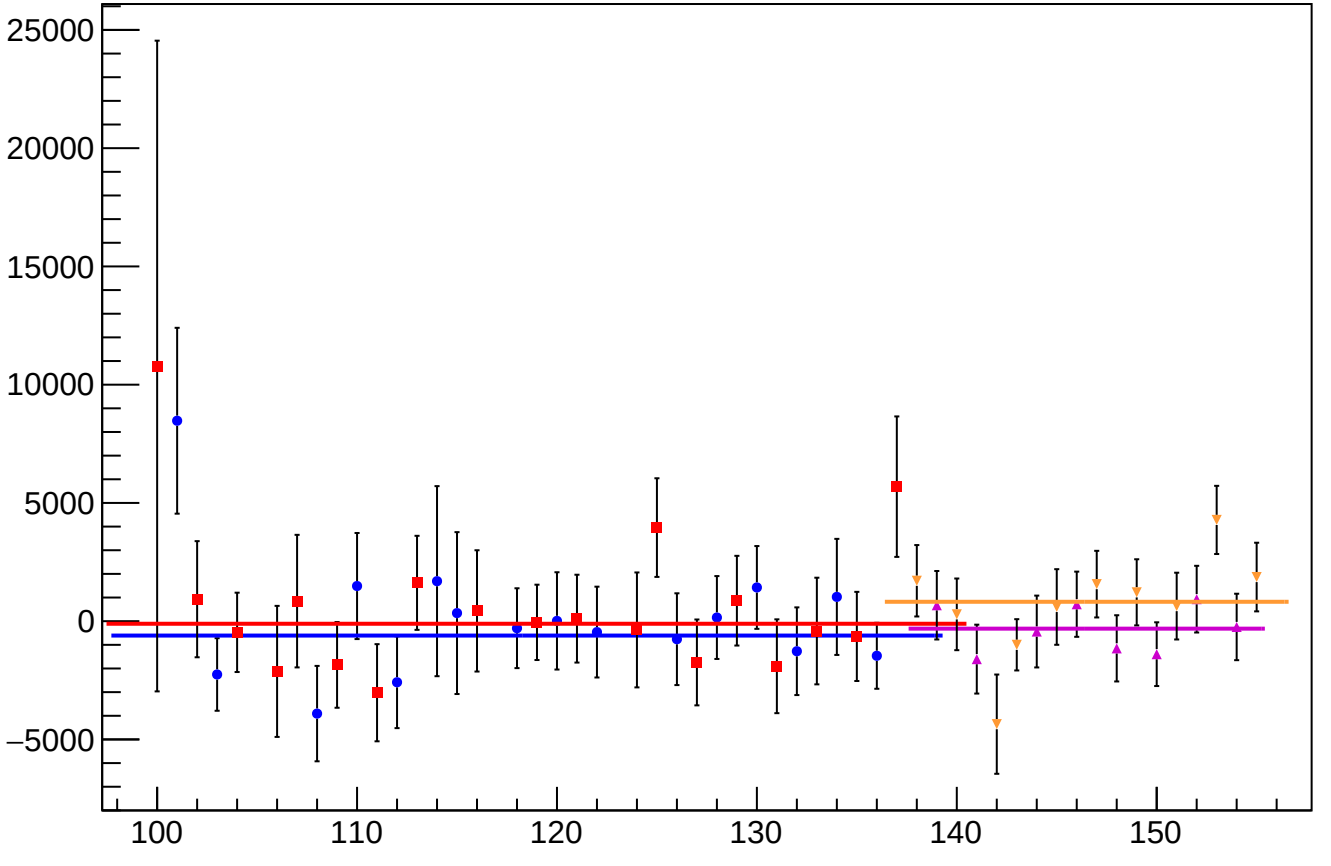
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3627.873+/-0.690 χ^2/NDF:717195.9/23

Out: 3081.420+/-0.583 χ^2/NDF:2300002.9/28

All: 3309.015+/-0.446 χ^2/NDF: 3382731.6/52

dit_asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 820.470+/-455.608 χ^2/NDF:16.0/9

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -315.673+/-501.326 χ^2/NDF:3.6/7

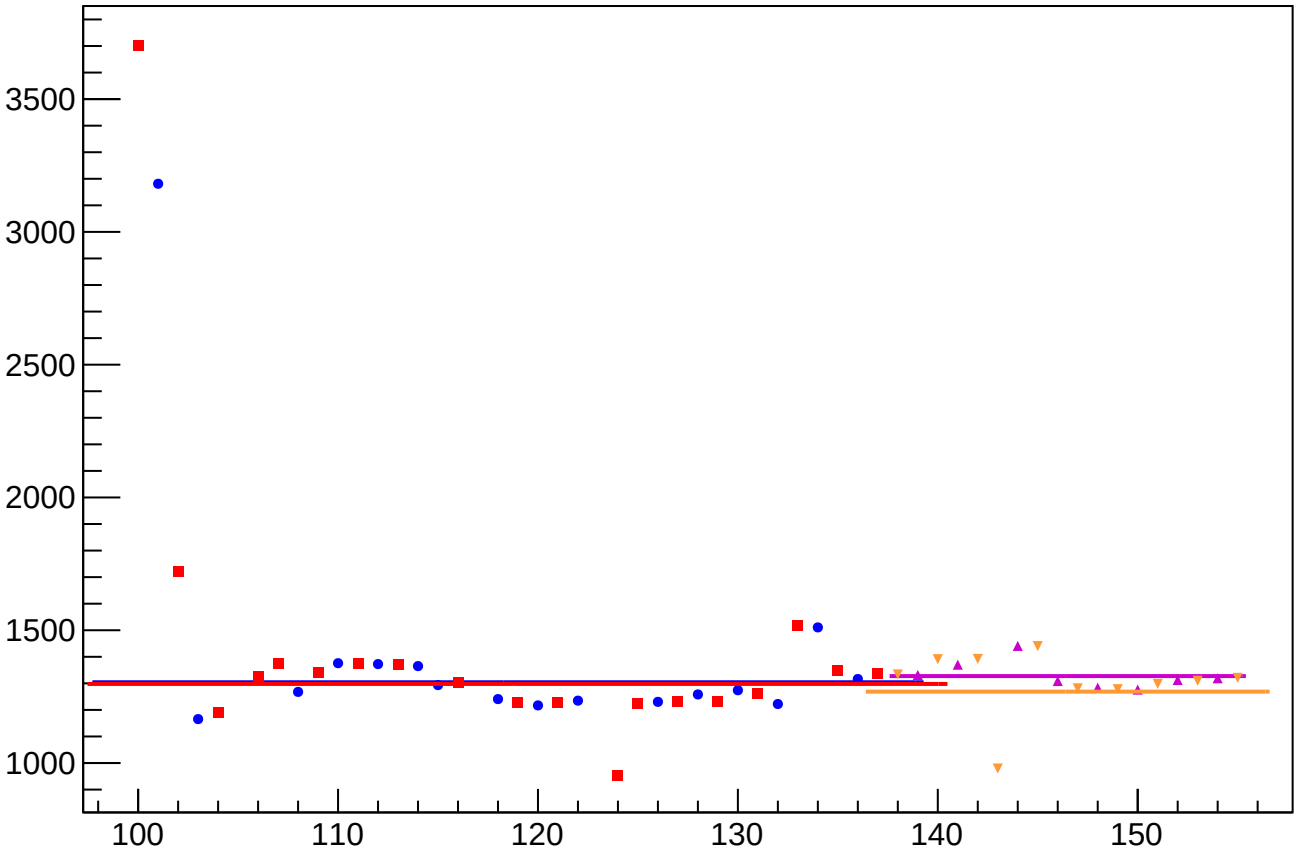
Left: 306.555+/-337.170 χ^2/NDF: 22.5/17

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -463.848+/-351.938 χ^2/NDF:17.9/23

Out: 385.459+/-332.245 χ^2/NDF:32.9/28

All: -14.770+/-241.595 χ^2/NDF: 53.8/52



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1268.816+/-0.322 χ^2/NDF:194521.7/9

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.399+/-0.354 χ^2/NDF:18384.6/7

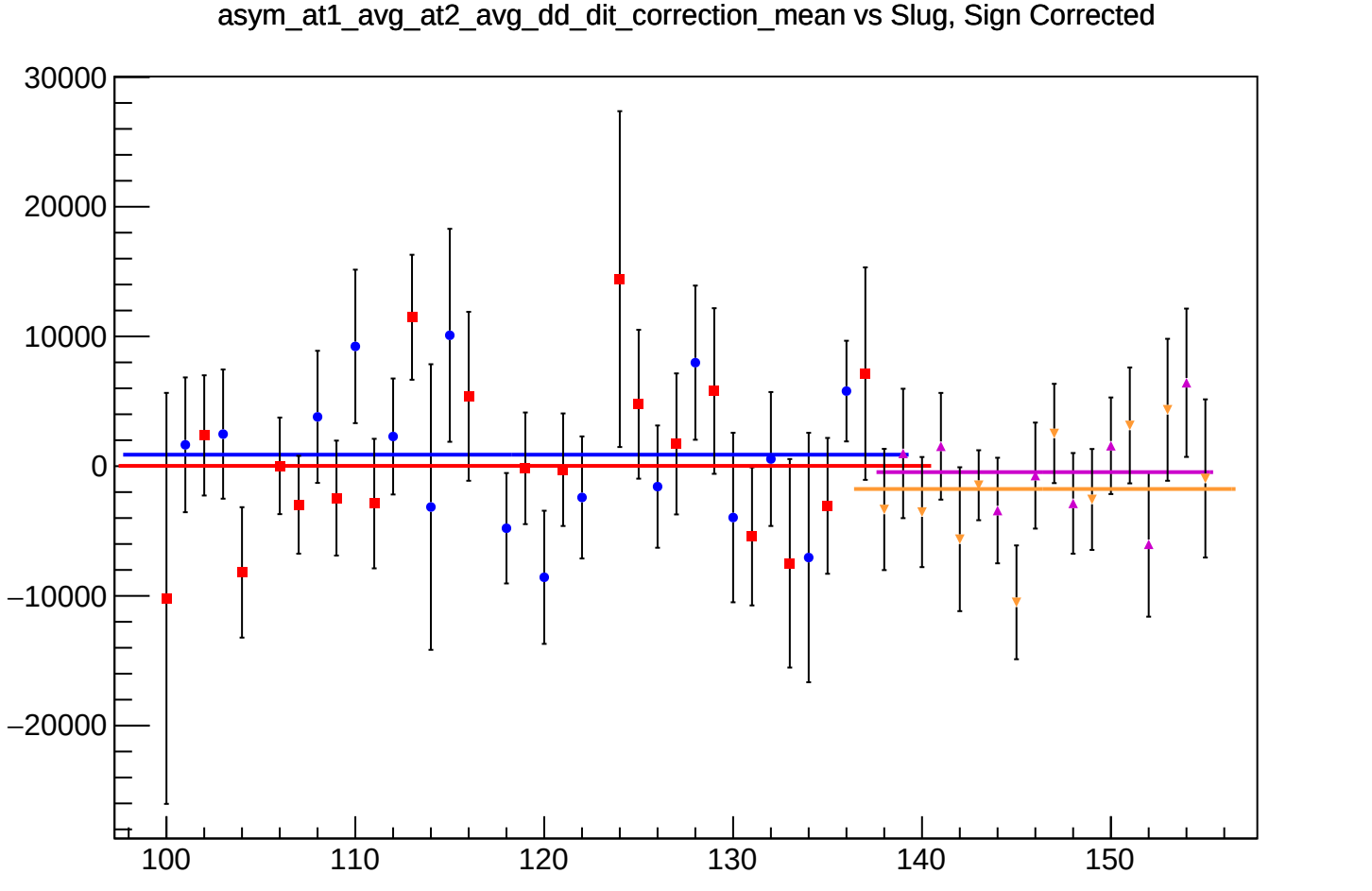
Left: 1295.315+/-0.238 χ^2/NDF: 227863.6/17

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1315.584+/-0.249 χ^2/NDF:531164.5/23

Out: 1282.396+/-0.235 χ^2/NDF:411410.3/28

All: 1298.029+/-0.171 χ^2/NDF: 951982.0/52



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1760.925+/-1326.844 χ^2/NDF:8.5/9

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -460.355+/-1541.521 χ^2/NDF:4.0/7

Left: -1207.436+/-1005.627 χ^2/NDF: 12.9/17

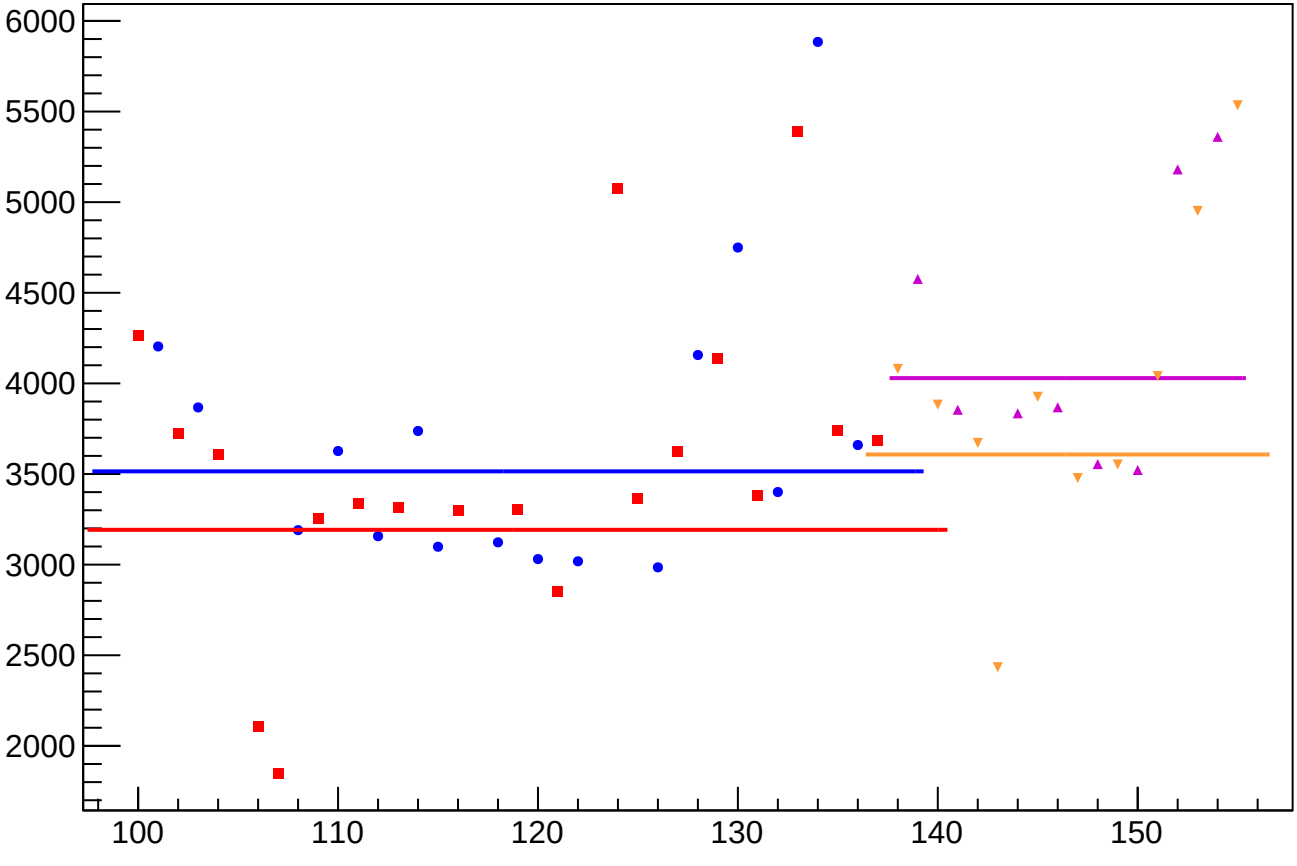
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 311.636+/-1005.869 χ^2/NDF:18.5/23

Out: -780.923+/-890.009 χ^2/NDF:26.3/28

All: -301.163+/-666.547 χ^2/NDF: 45.5/52

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: 3607.808+/-0.938 χ^2/NDF:760158.3/9

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4029.067+/-1.090 χ^2/NDF:295872.9/7

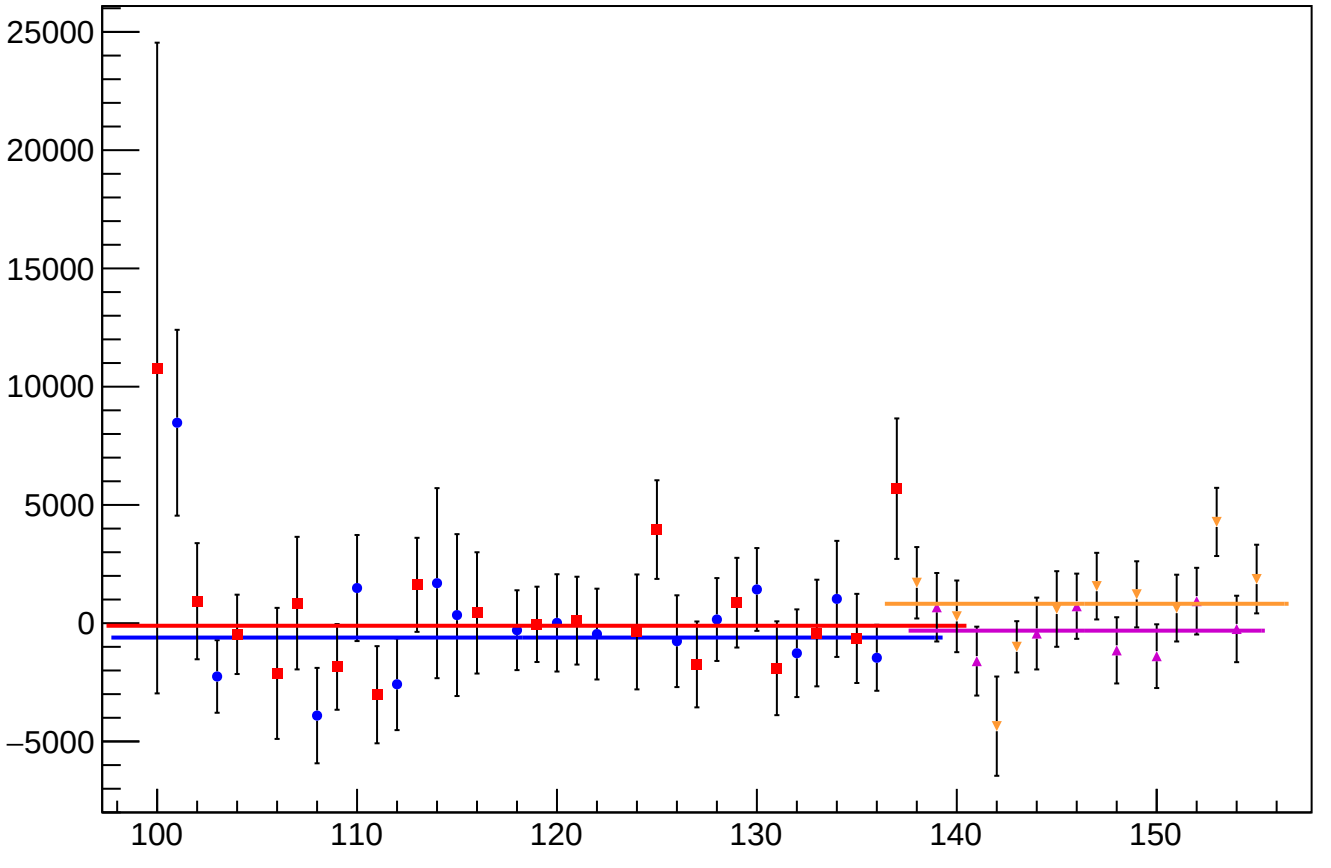
Left: 3787.085+/-0.711 χ^2/NDF: 1141826.5/17

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3733.733+/-0.711 χ^2/NDF:798795.5/23

Out: 3379.198+/-0.629 χ^2/NDF:1640589.9/28

All: 3534.880+/-0.471 χ^2/NDF: 2578745.4/52



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 820.470+/-455.608 χ^2/NDF:16.0/9

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -315.671+/-501.326 χ^2/NDF:3.6/7

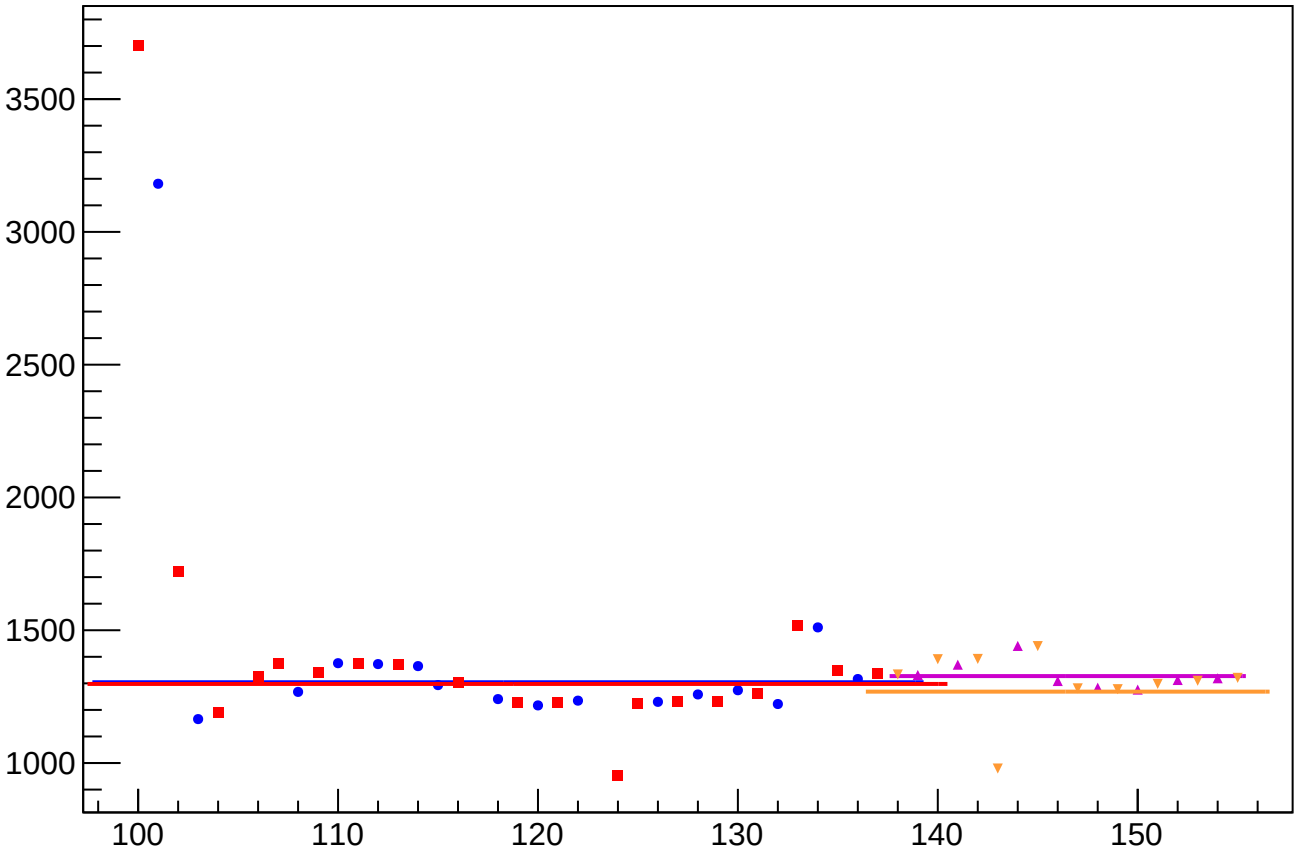
Left: 306.556+/-337.170 χ^2/NDF: 22.5/17

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -463.849+/-351.938 χ^2/NDF:17.9/23

Out: 385.456+/-332.245 χ^2/NDF:32.9/28

All: -14.772+/-241.595 χ^2/NDF: 53.8/52



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1268.817+/-0.322 χ^2/NDF:194522.0/9

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.400+/-0.354 χ^2/NDF:18384.7/7

Left: 1295.316+/-0.238 χ^2/NDF: 227864.0/17

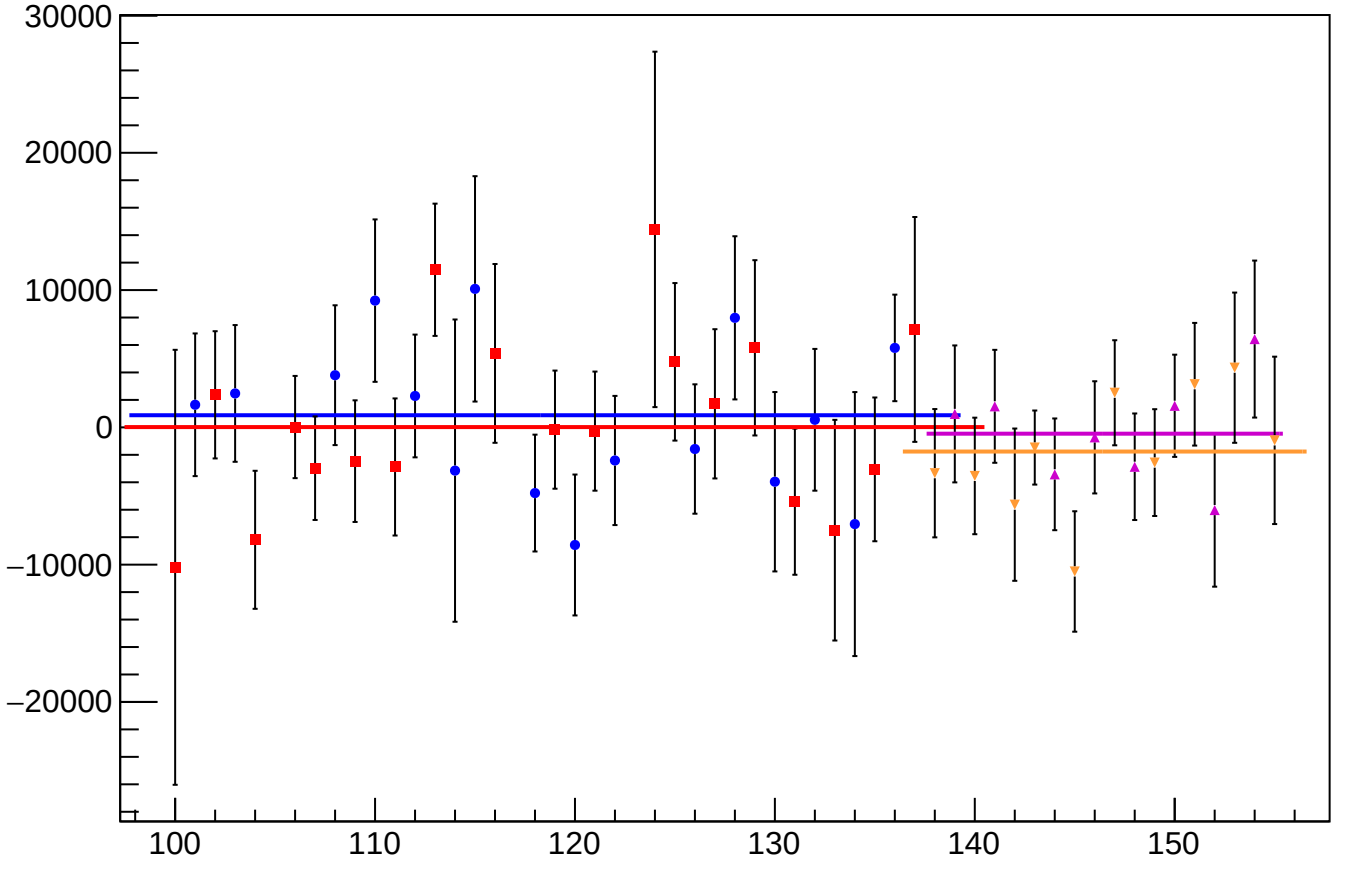
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1315.584+/-0.249 χ^2/NDF:531164.9/23

Out: 1282.396+/-0.235 χ^2/NDF:411410.5/28

All: 1298.030+/-0.171 χ^2/NDF: 951982.6/52

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: -1760.923+/-1326.846 χ^2/NDF:8.5/9

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -460.354+/-1541.523 χ^2/NDF:4.0/7

Left: -1207.434+/-1005.629 χ^2/NDF: 12.9/17

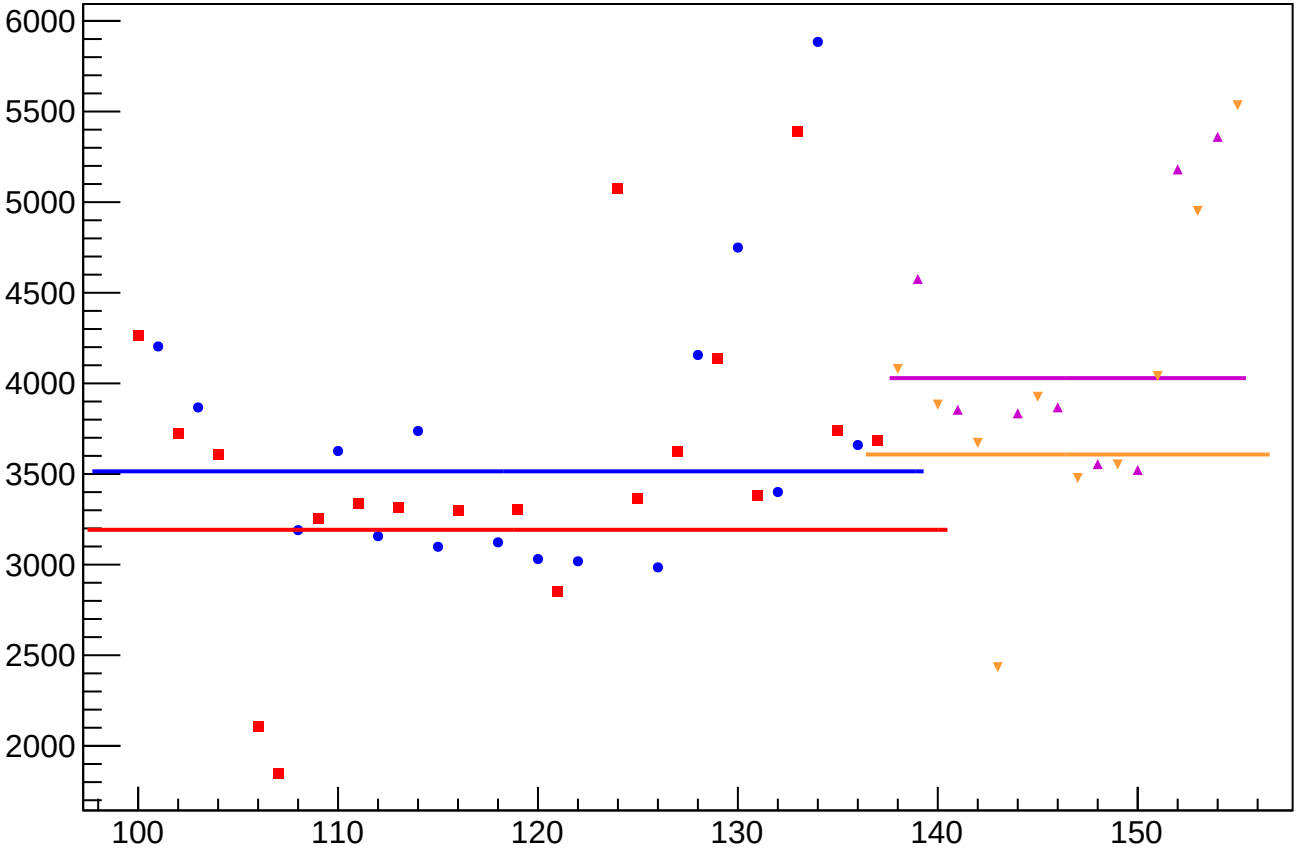
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 311.633+/-1005.868 χ^2/NDF:18.5/23

Out: -780.921+/-890.008 χ^2/NDF:26.3/28

All: -301.163+/-666.546 χ^2/NDF: 45.5/52

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3607.813+/-0.938 χ^2/NDF:760158.4/9

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4029.072+/-1.090 χ^2/NDF:295873.4/7

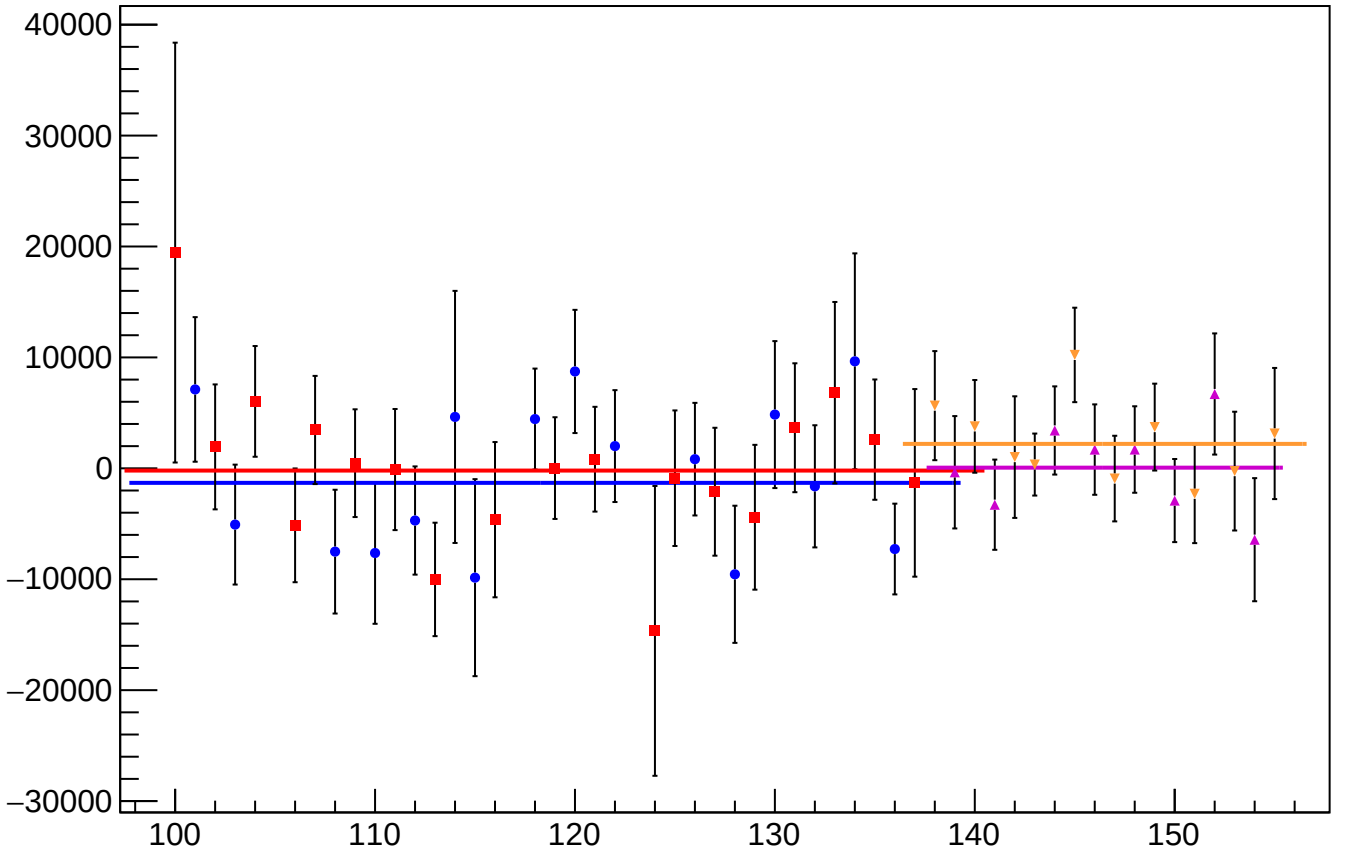
Left: 3787.090+/-0.711 χ^2/NDF: 1141827.0/17

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3733.729+/-0.711 χ^2/NDF:798807.3/23

Out: 3379.195+/-0.629 χ^2/NDF:1640599.0/28

All: 3534.876+/-0.471 χ^2/NDF: 2578765.7/52



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2203.166+/-1334.679 χ^2/NDF:6.7/9

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 60.364+/-1532.346 χ^2/NDF:5.2/7

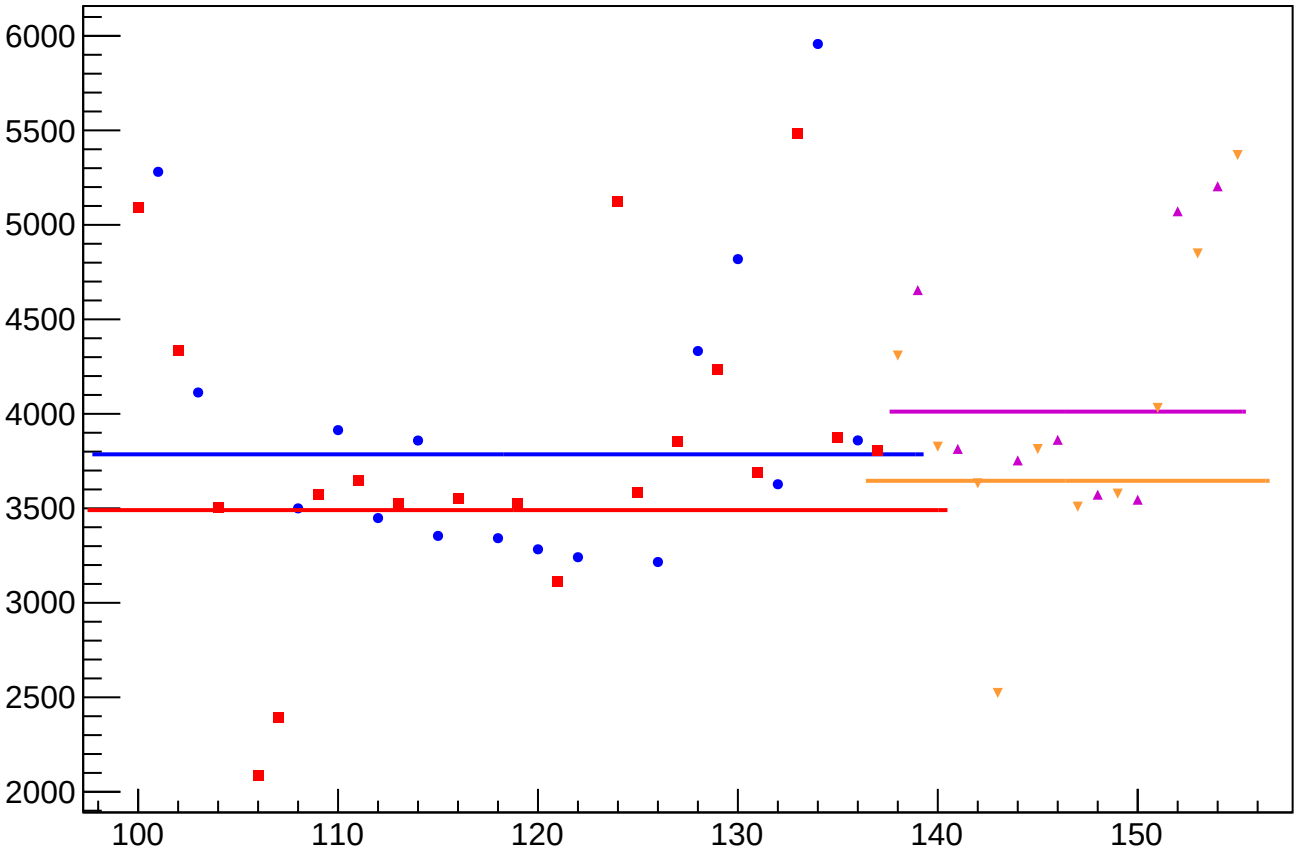
Left: 1278.802+/-1006.439 χ^2/NDF: 13.1/17

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -670.985+/-1046.108 χ^2/NDF:23.2/23

Out: 1002.032+/-944.249 χ^2/NDF:20.0/28

All: 250.918+/-700.937 χ^2/NDF: 44.6/52



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3645.649+/-0.944 χ^2/NDF:654864.0/9

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4011.759+/-1.084 χ^2/NDF:272083.9/7

Left: 3803.582+/-0.712 χ^2/NDF: 991865.3/17

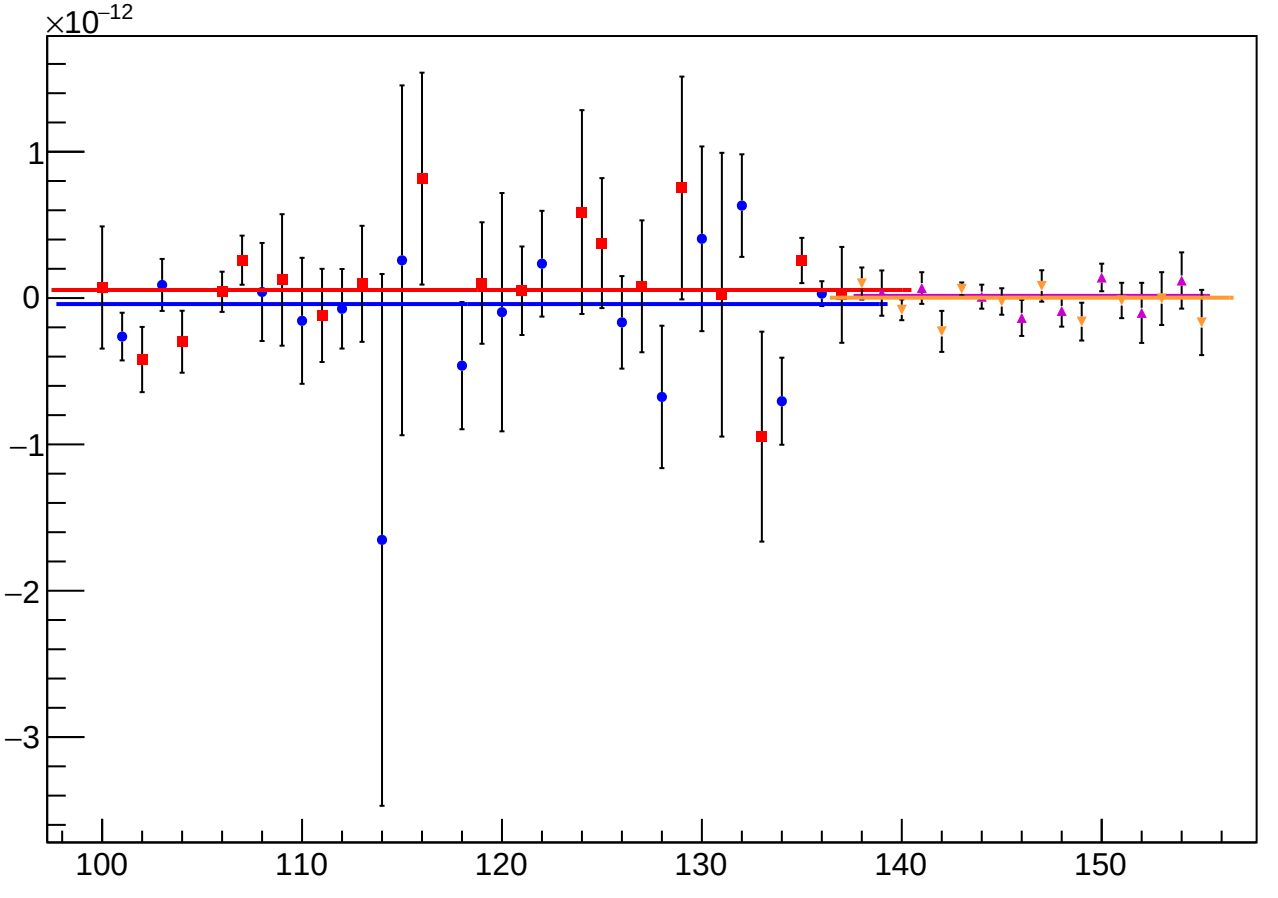
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3891.095+/-0.740 χ^2/NDF:678302.8/23

Out: 3567.147+/-0.663 χ^2/NDF:1255243.3/28

All: 3711.481+/-0.494 χ^2/NDF: 2039885.7/52

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/7

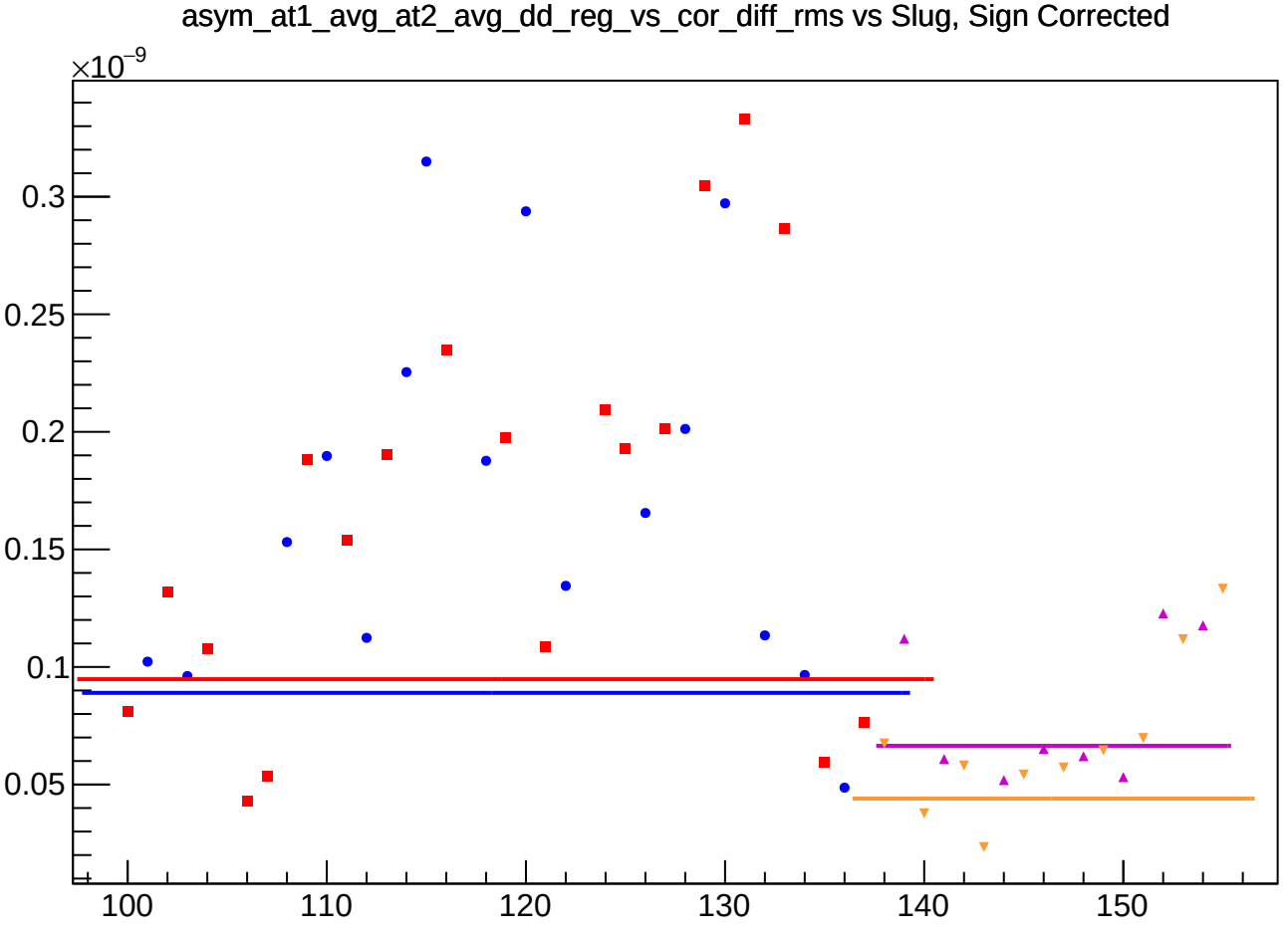
Left: 0.000+/-0.000 χ^2/NDF: 14.7/17

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:22.3/23

Out: 0.000+/-0.000 χ^2/NDF:26.0/28

All: 0.000+/-0.000 χ^2/NDF: 48.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1367936.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:577604.9/7

Left: 0.000+/-0.000 χ^2/NDF: 2349937.1/17

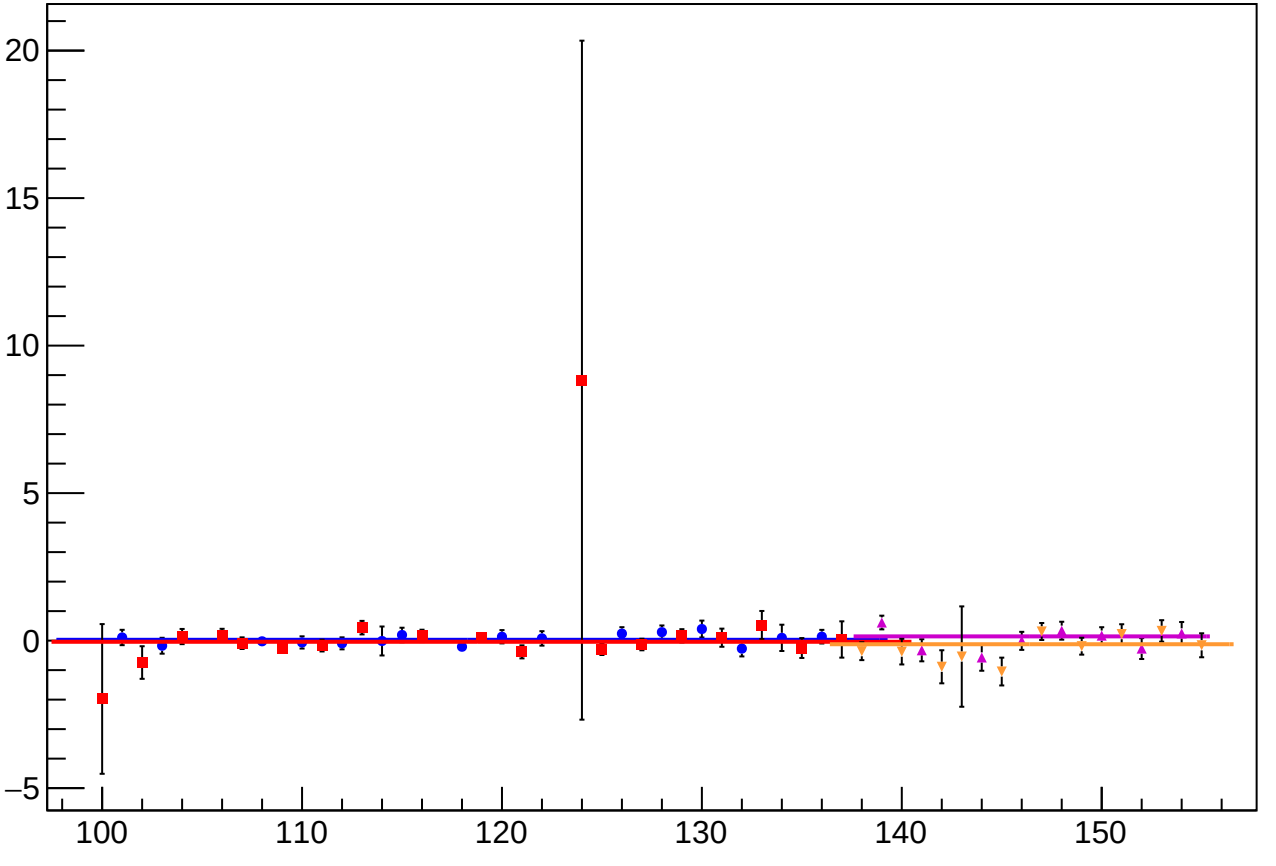
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2234118.2/23

Out: 0.000+/-0.000 χ^2/NDF:4155699.5/28

All: 0.000+/-0.000 χ^2/NDF: 6898108.9/52

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: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.018+/-0.082 χ^2/NDF: 24.5/17

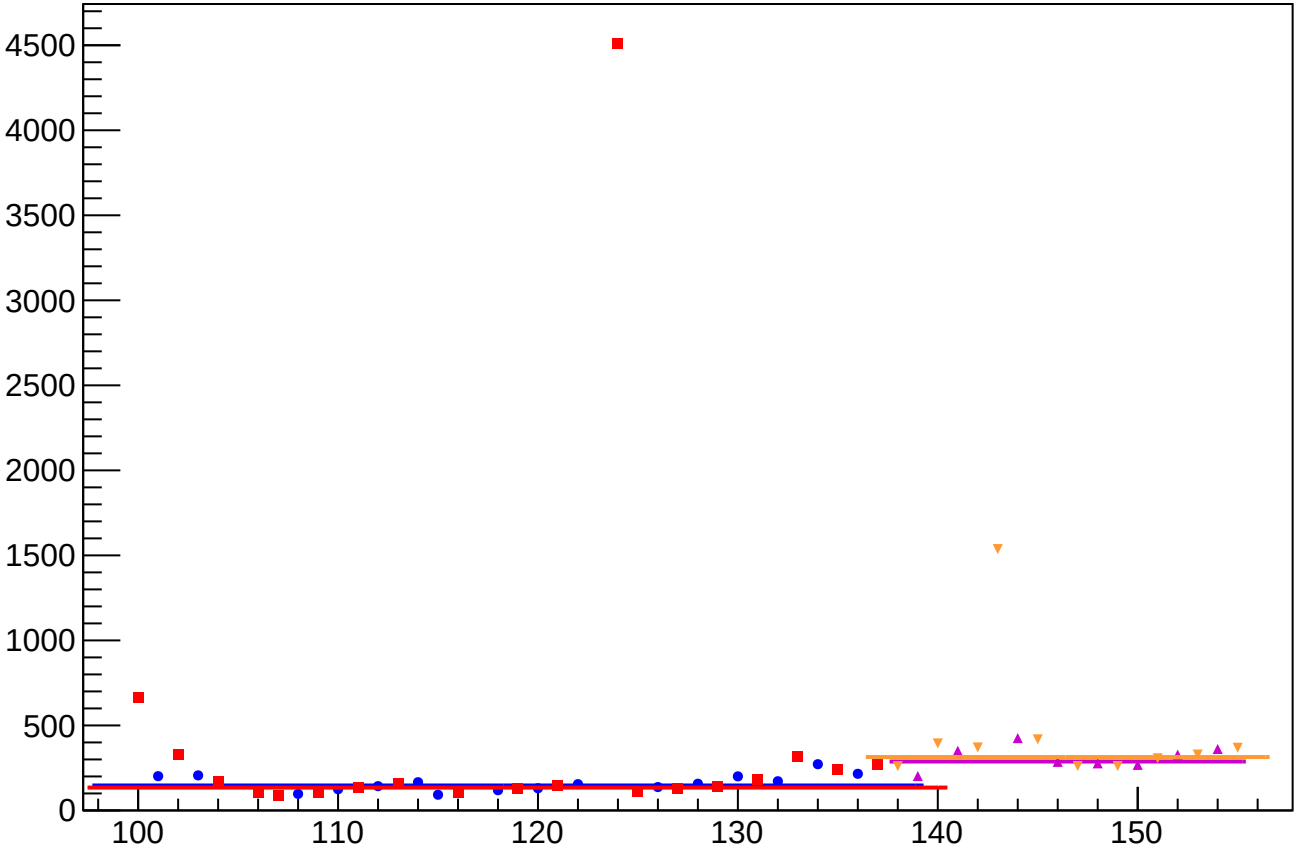
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.054+/-0.050 χ^2/NDF:32.0/28

All: -0.003+/-0.036 χ^2/NDF: 54.8/52

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: 314.096+/-0.084 χ^2/NDF:1457813.7/9

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 287.728+/-0.079 χ^2/NDF:624337.1/7

Left: 300.203+/-0.058 χ^2/NDF: 2134248.7/17

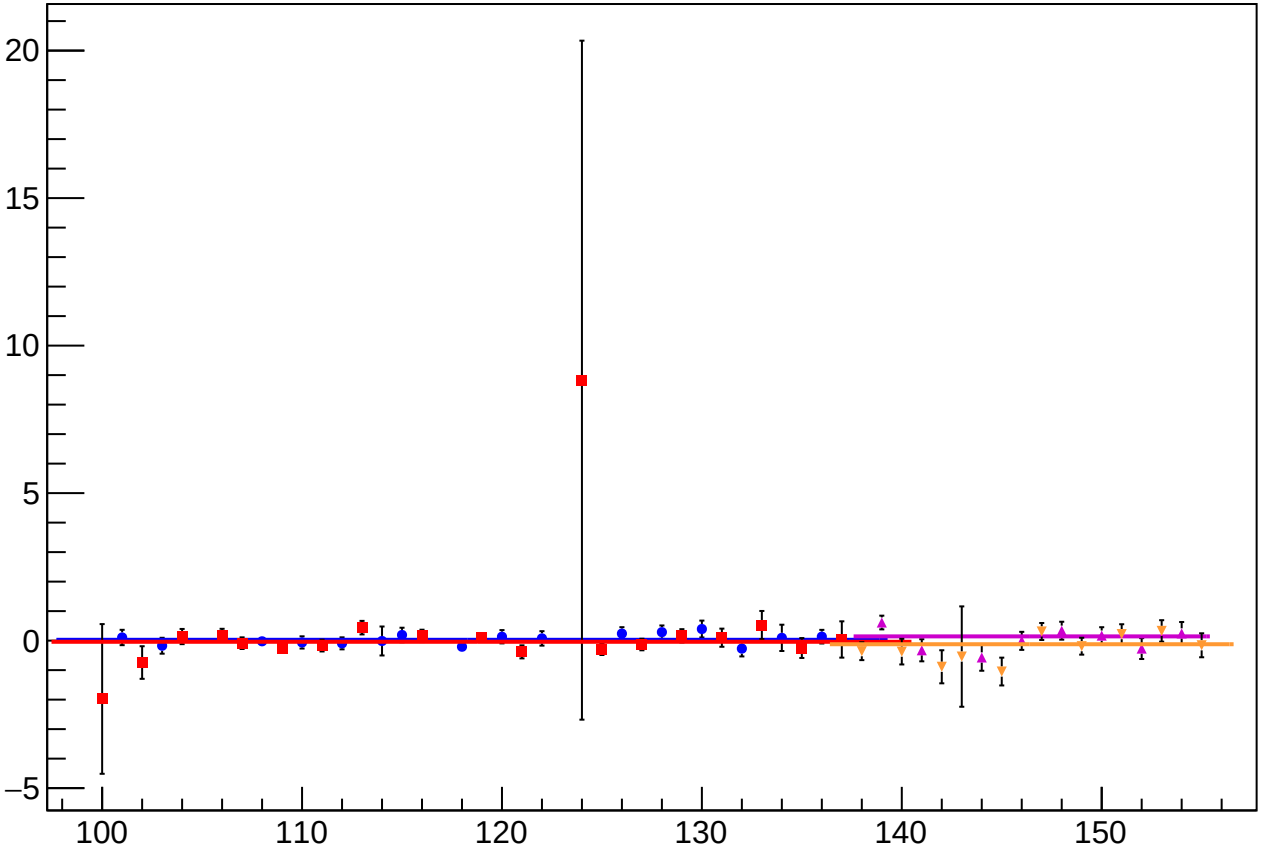
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 176.227+/-0.036 χ^2/NDF:4111129.1/23

Out: 166.085+/-0.035 χ^2/NDF:6844354.8/28

All: 170.996+/-0.025 χ^2/NDF: 10995755.9/52

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: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.018+/-0.082 χ^2/NDF: 24.5/17

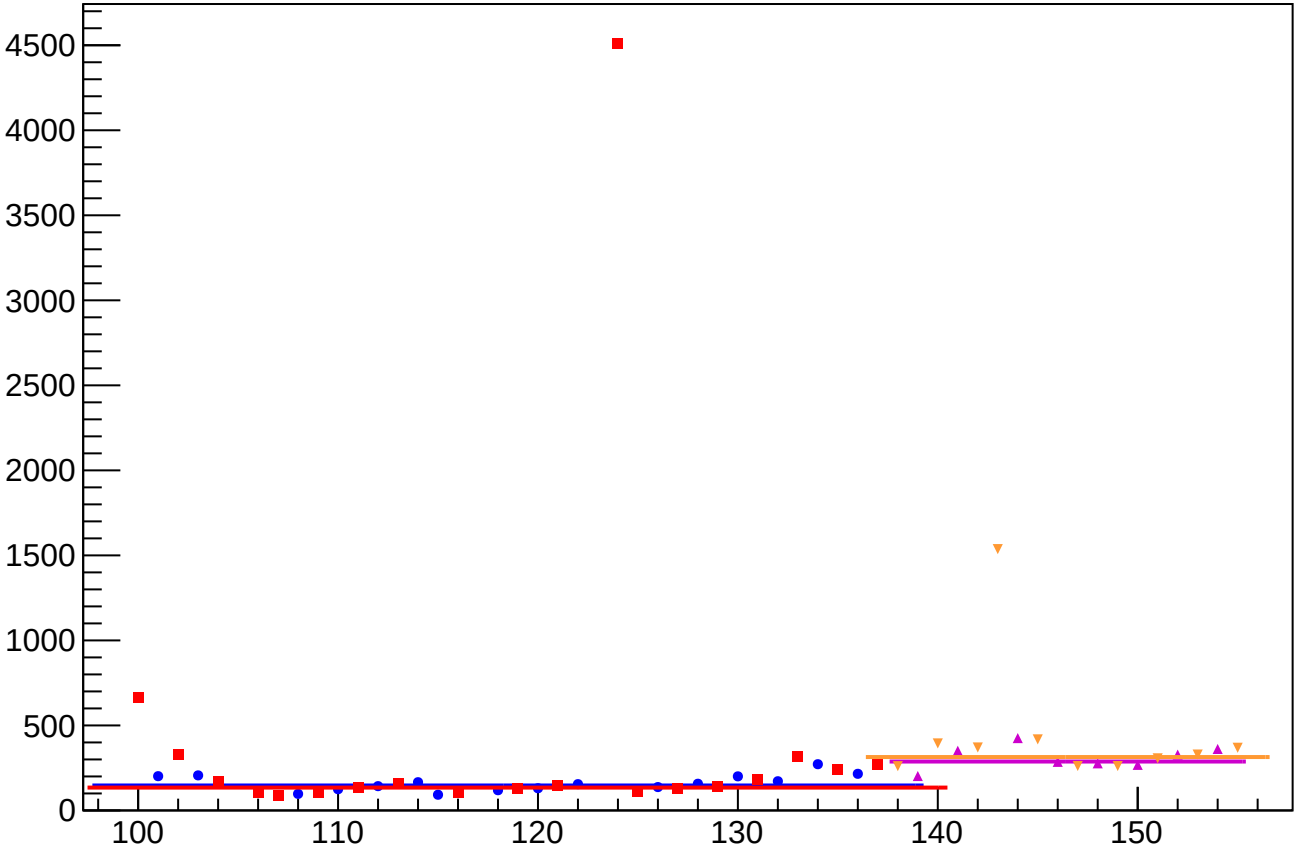
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.054+/-0.050 χ^2/NDF:32.0/28

All: -0.003+/-0.036 χ^2/NDF: 54.8/52

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: 314.096+/-0.084 χ^2/NDF:1457813.7/9

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 287.728+/-0.079 χ^2/NDF:624337.1/7

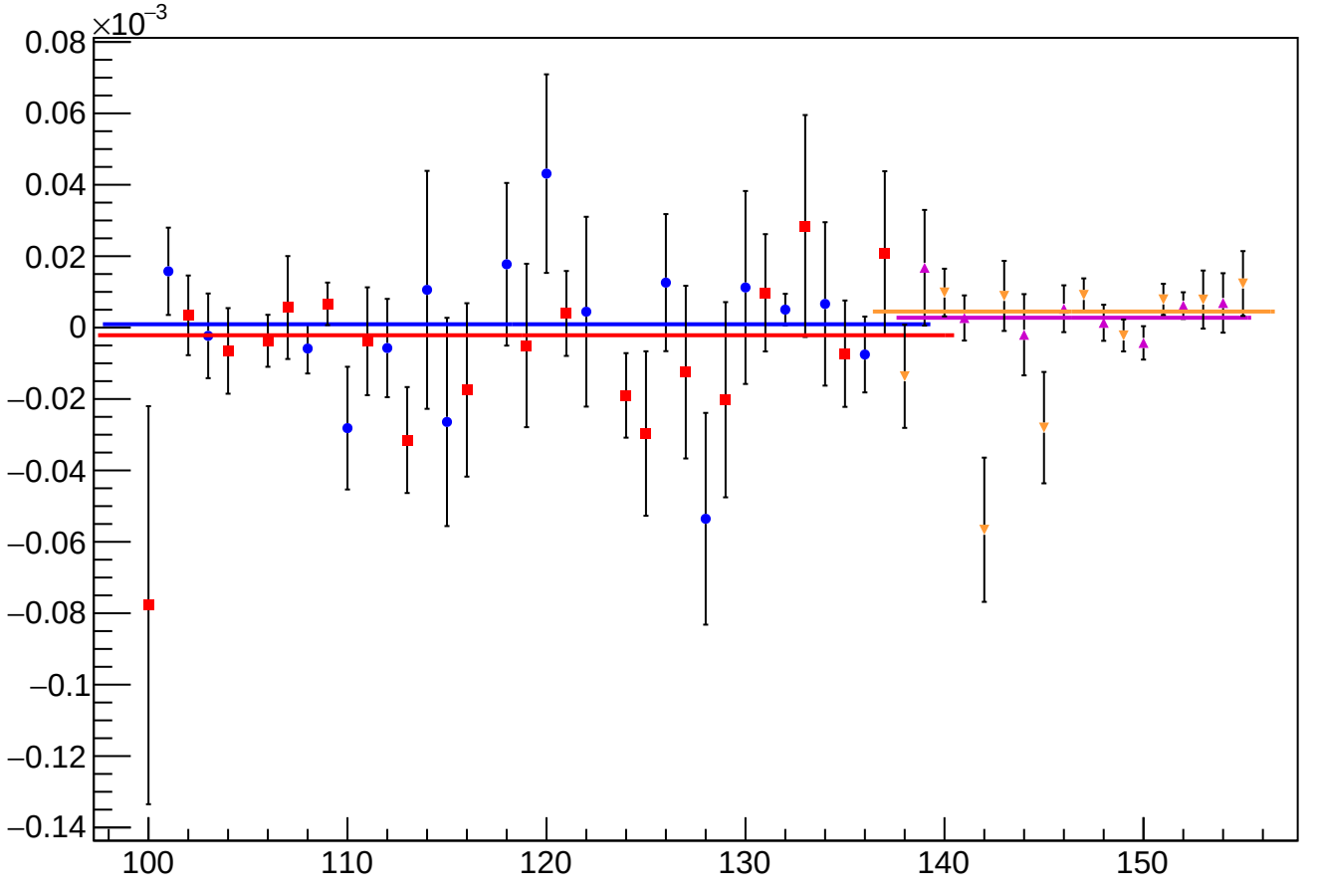
Left: 300.203+/-0.058 χ^2/NDF: 2134248.7/17

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 176.227+/-0.036 χ^2/NDF:4111129.1/23

Out: 166.085+/-0.035 χ^2/NDF:6844354.8/28

All: 170.996+/-0.025 χ^2/NDF: 10995755.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/9

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/7

Left: 0.000+/-0.000 χ^2/NDF: 25.5/17

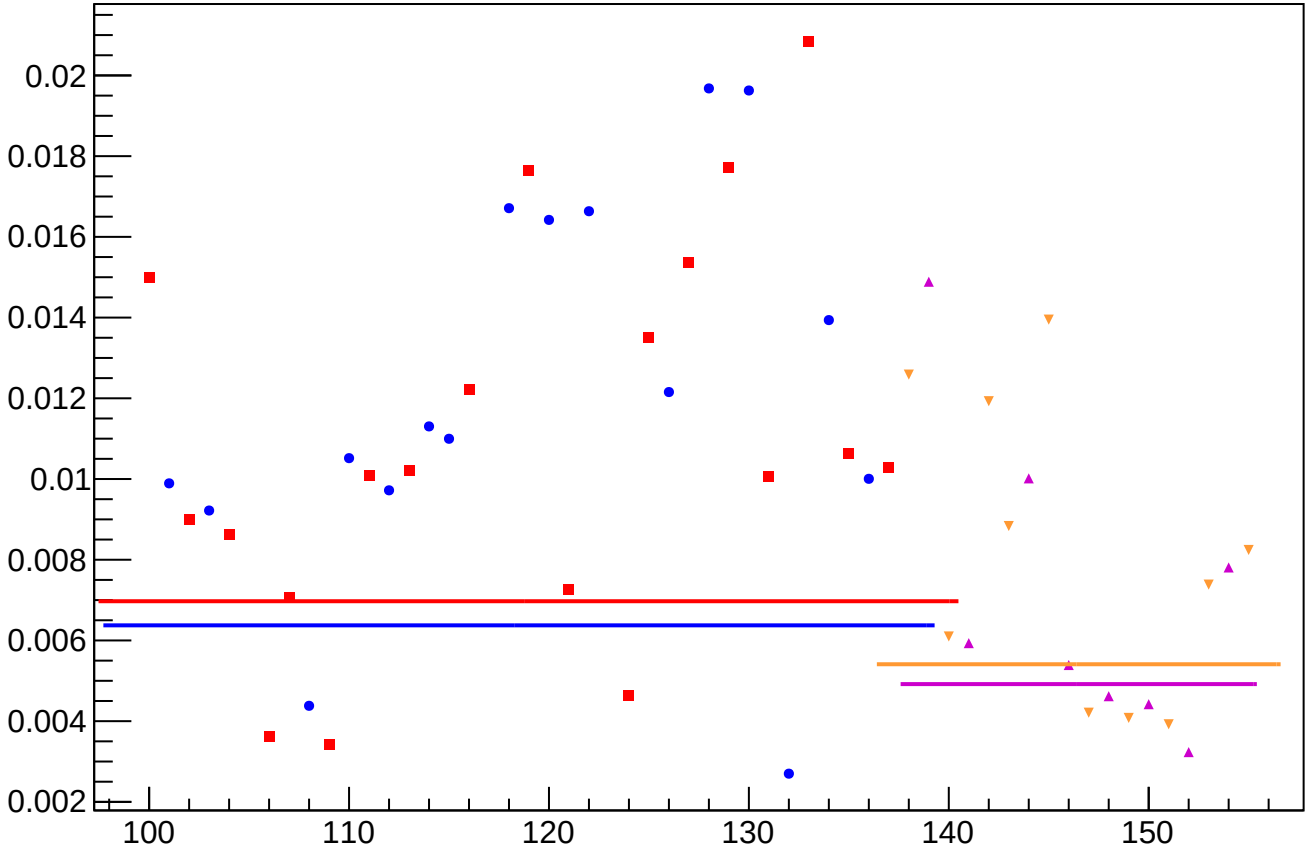
Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:19.6/23

Out: 0.000+/-0.000 χ^2/NDF:40.0/28

All: 0.000+/-0.000 χ^2/NDF: 59.6/52

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:2422742.1/9

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1899835.1/7

Left: 0.005+/-0.000 χ^2/NDF: 4377164.7/17

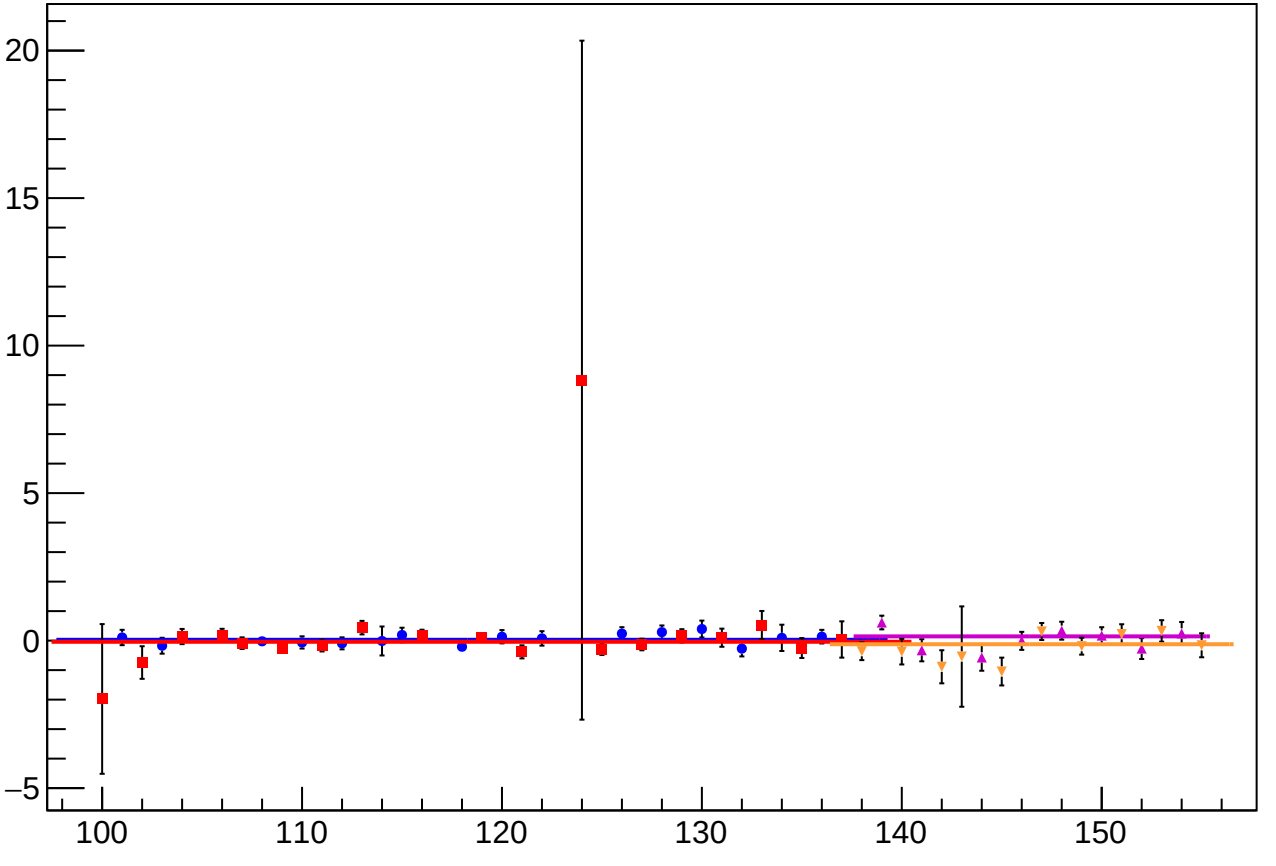
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:6868250.1/23

Out: 0.006+/-0.000 χ^2/NDF:6190932.1/28

All: 0.006+/-0.000 χ^2/NDF: 13151769.2/52

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: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.018+/-0.082 χ^2/NDF: 24.5/17

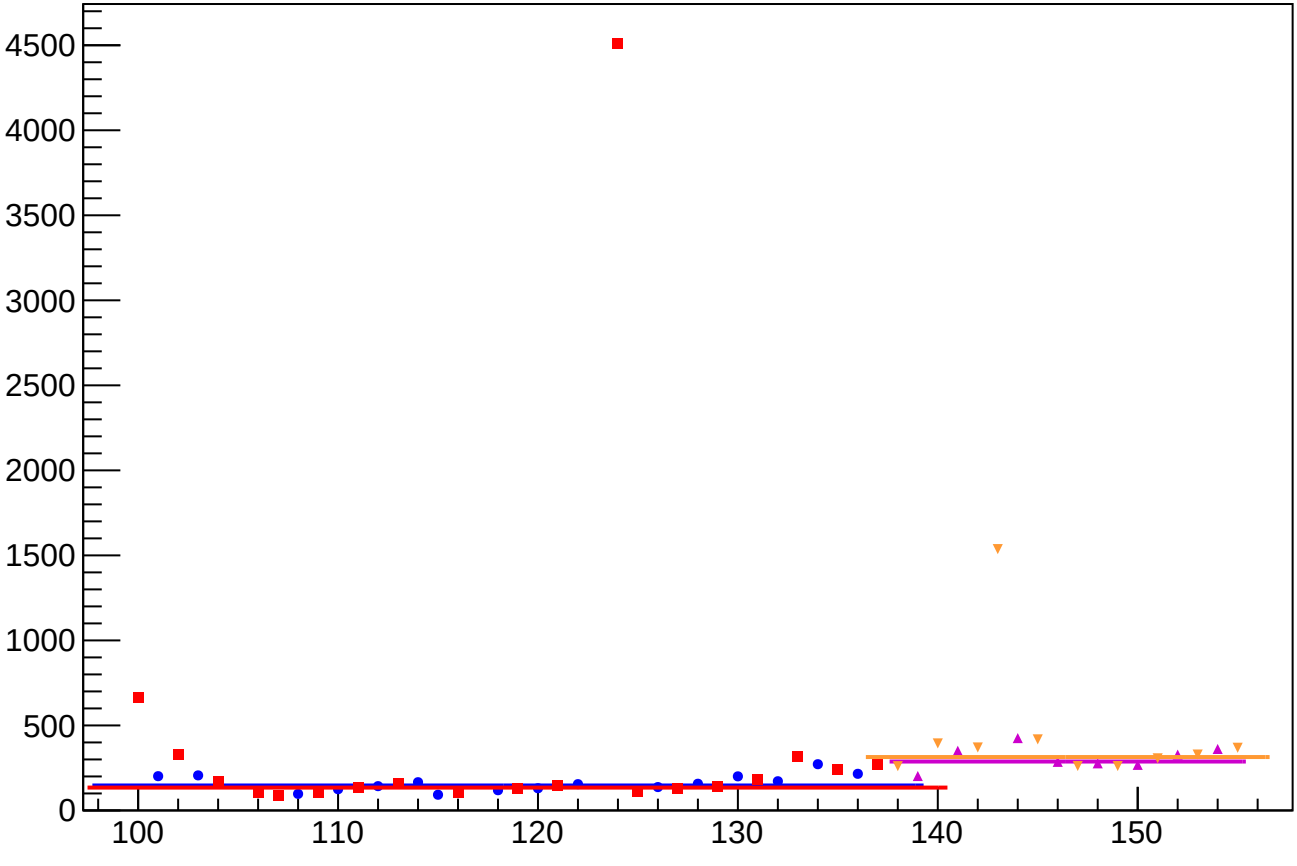
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.054+/-0.050 χ^2/NDF:32.0/28

All: -0.003+/-0.036 χ^2/NDF: 54.8/52

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: 314.099+/-0.084 χ^2/NDF:1457814.6/9

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 287.731+/-0.079 χ^2/NDF:624316.3/7

Left: 300.207+/-0.058 χ^2/NDF: 2134225.4/17

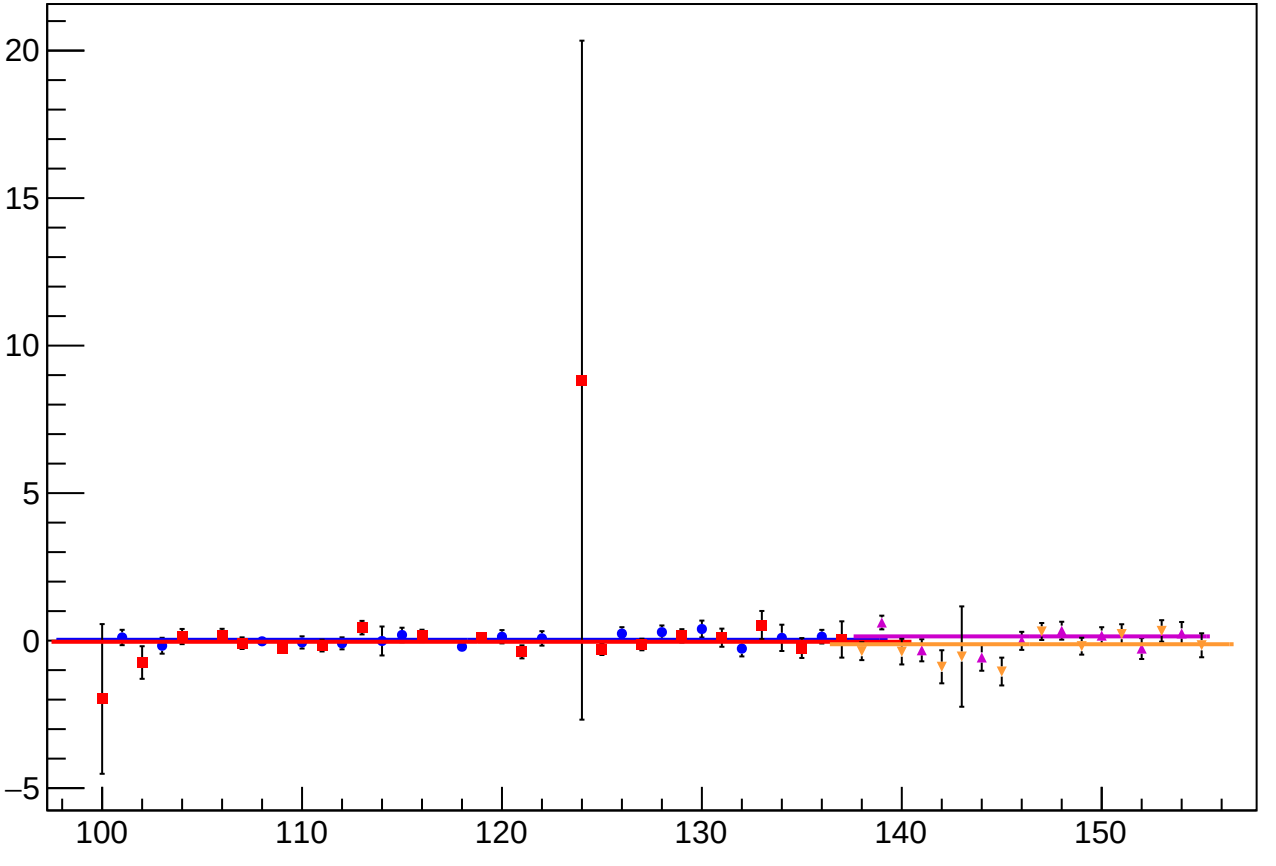
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 176.227+/-0.036 χ^2/NDF:4111141.1/23

Out: 166.087+/-0.035 χ^2/NDF:6844296.6/28

All: 170.996+/-0.025 χ^2/NDF: 10995698.6/52

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: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.018+/-0.082 χ^2/NDF: 24.5/17

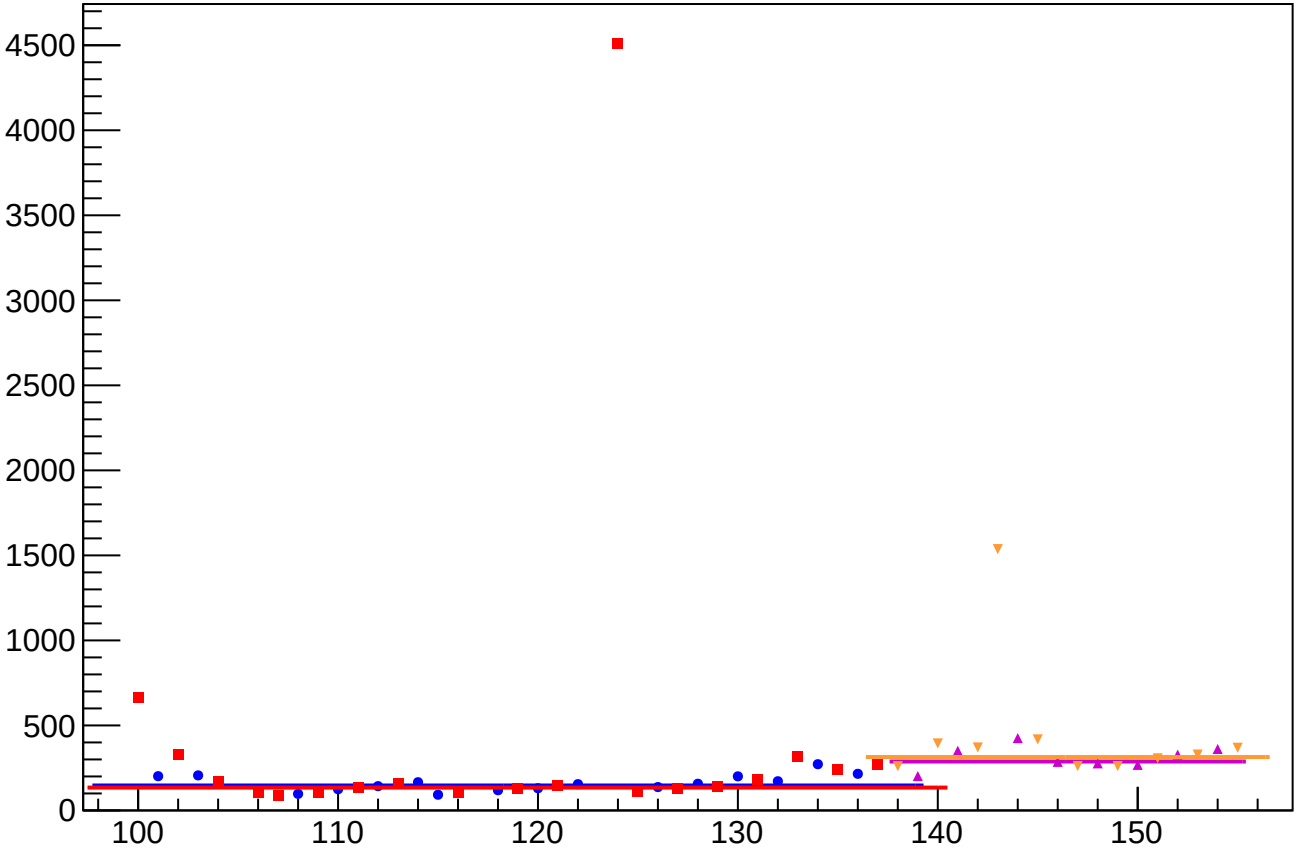
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.054+/-0.050 χ^2/NDF:32.0/28

All: -0.003+/-0.036 χ^2/NDF: 54.8/52

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: 314.099+/-0.084 χ^2/NDF:1457814.6/9

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 287.731+/-0.079 χ^2/NDF:624316.3/7

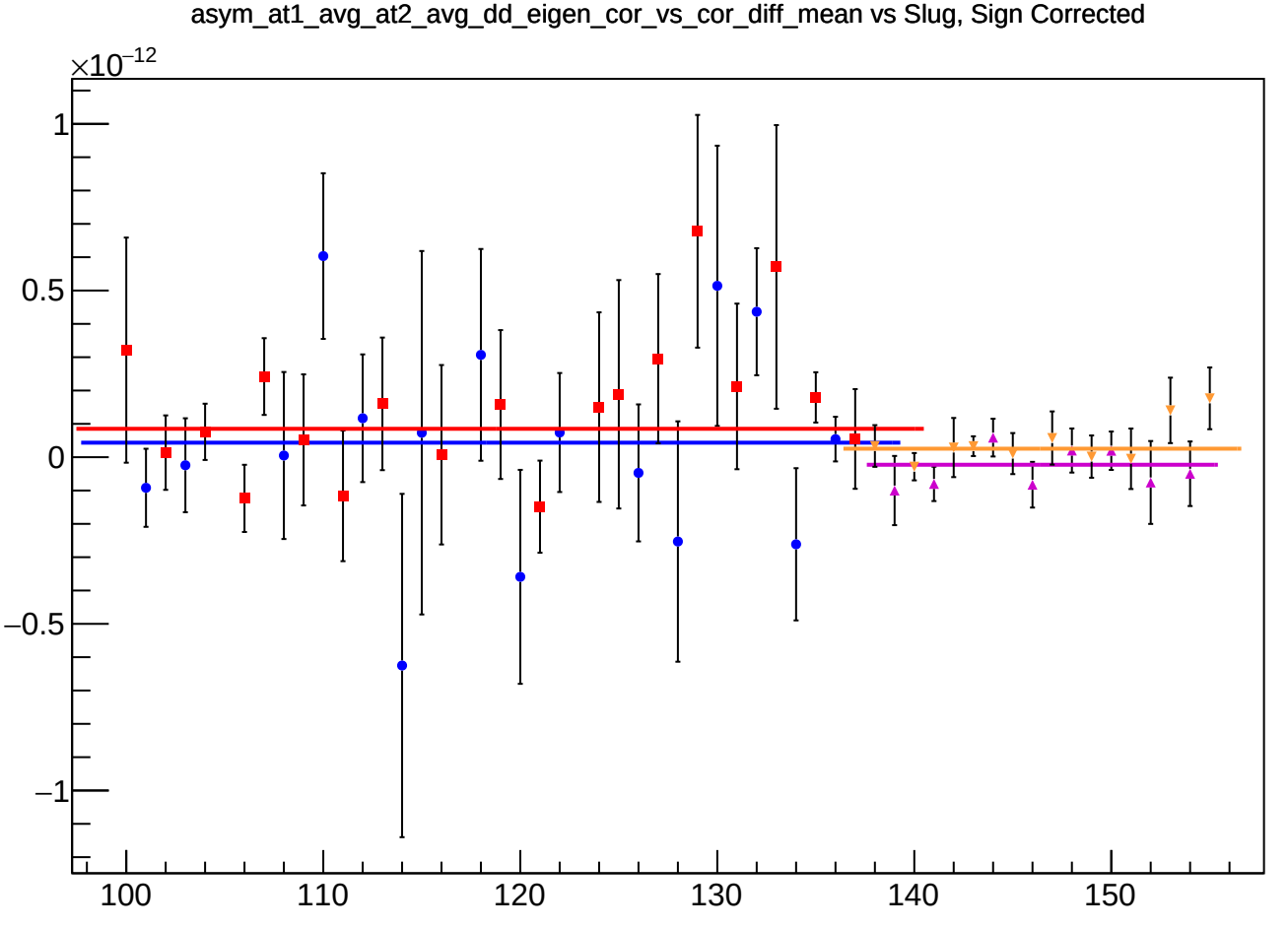
Left: 300.207+/-0.058 χ^2/NDF: 2134225.4/17

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 176.227+/-0.036 χ^2/NDF:4111141.1/23

Out: 166.087+/-0.035 χ^2/NDF:6844296.6/28

All: 170.996+/-0.025 χ^2/NDF: 10995698.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/7

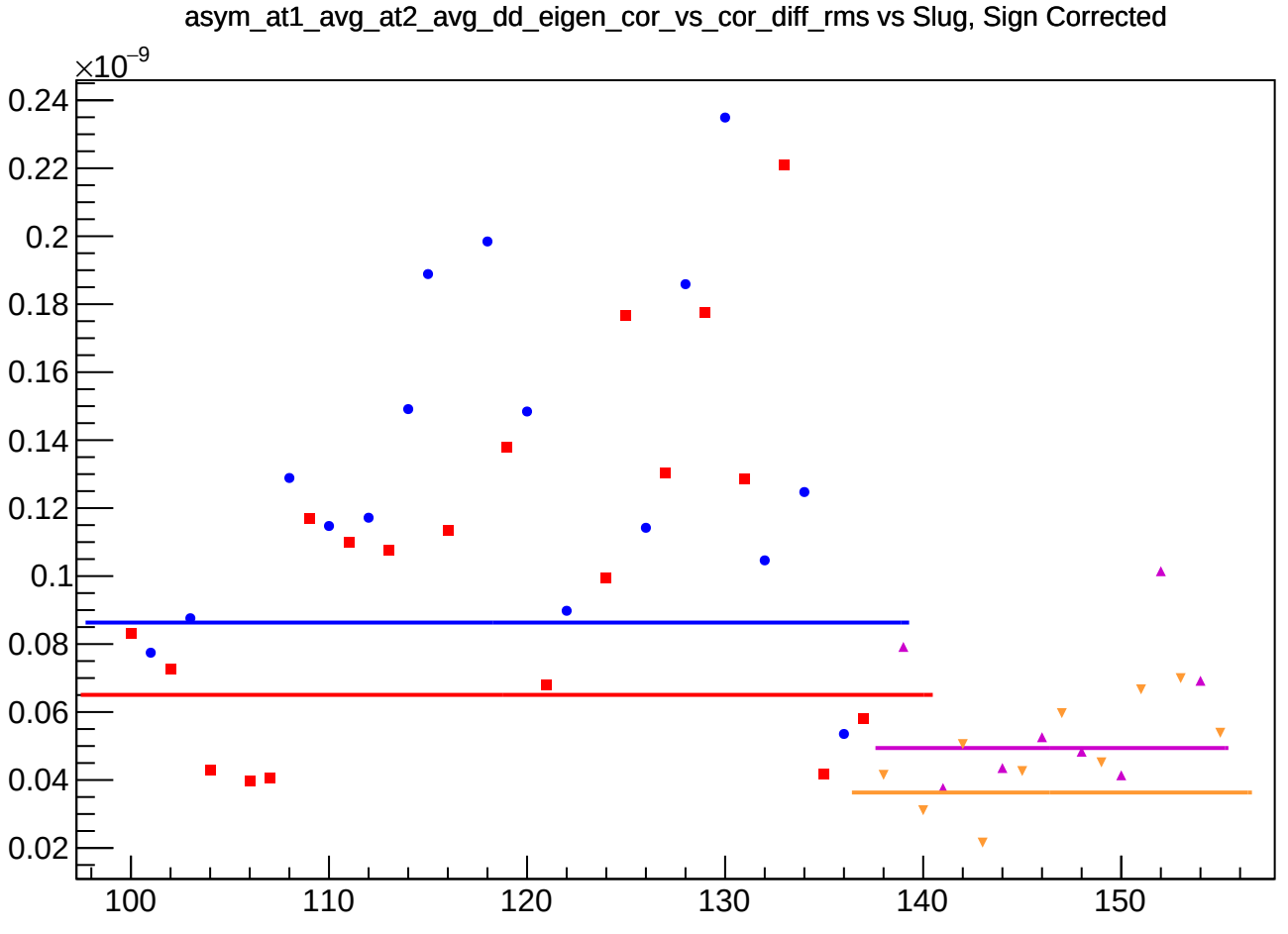
Left: 0.000+/-0.000 χ^2/NDF: 14.7/17

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.6/23

Out: 0.000+/-0.000 χ^2/NDF:26.9/28

All: 0.000+/-0.000 χ^2/NDF: 56.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1354172.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:767201.4/7

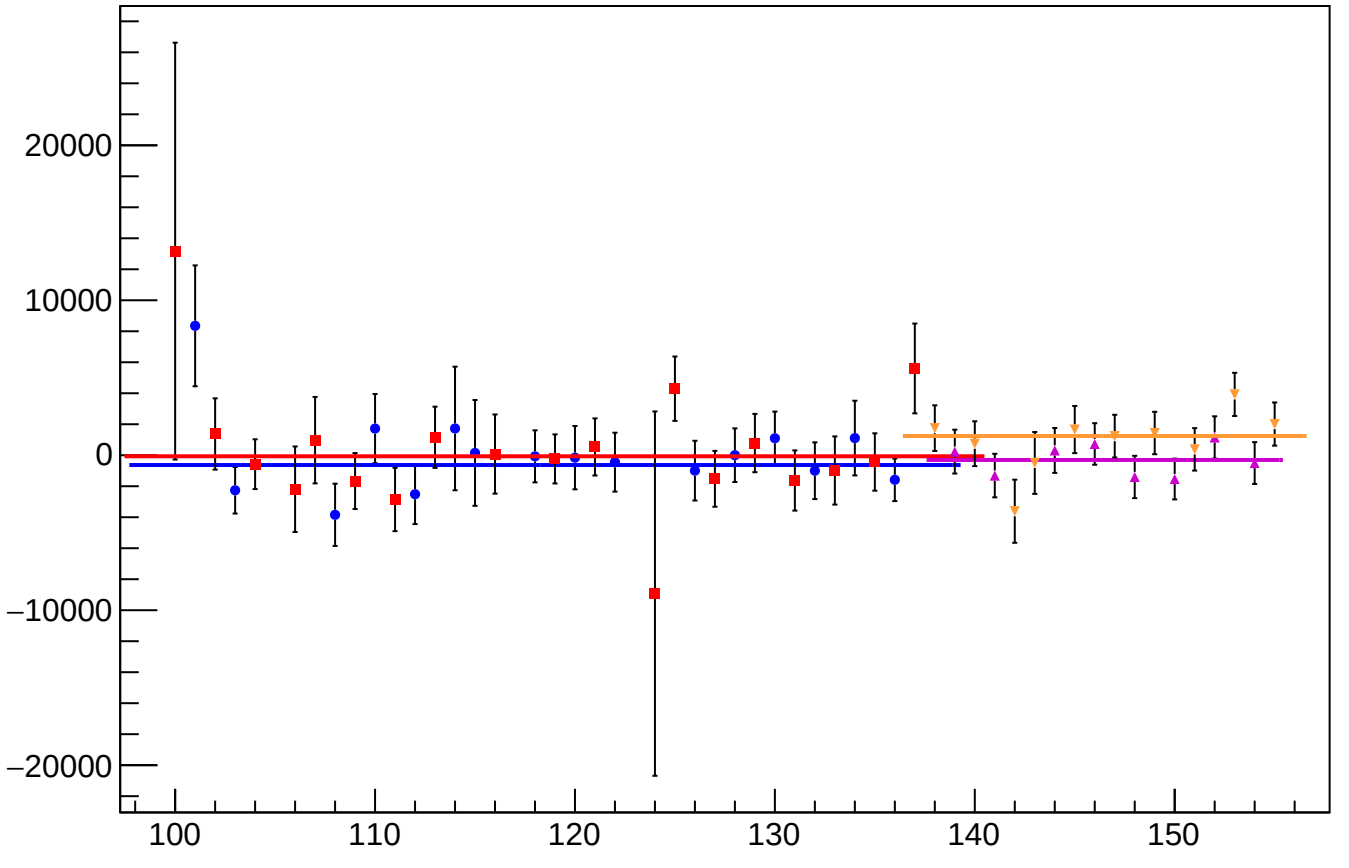
Left: 0.000+/-0.000 χ^2/NDF: 2498044.3/17

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3460936.3/23

Out: 0.000+/-0.000 χ^2/NDF:4620015.8/28

All: 0.000+/-0.000 χ^2/NDF: 8810440.0/52



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.494+/-472.044 χ^2/NDF:11.2/9

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -304.408+/-485.703 χ^2/NDF:4.1/7

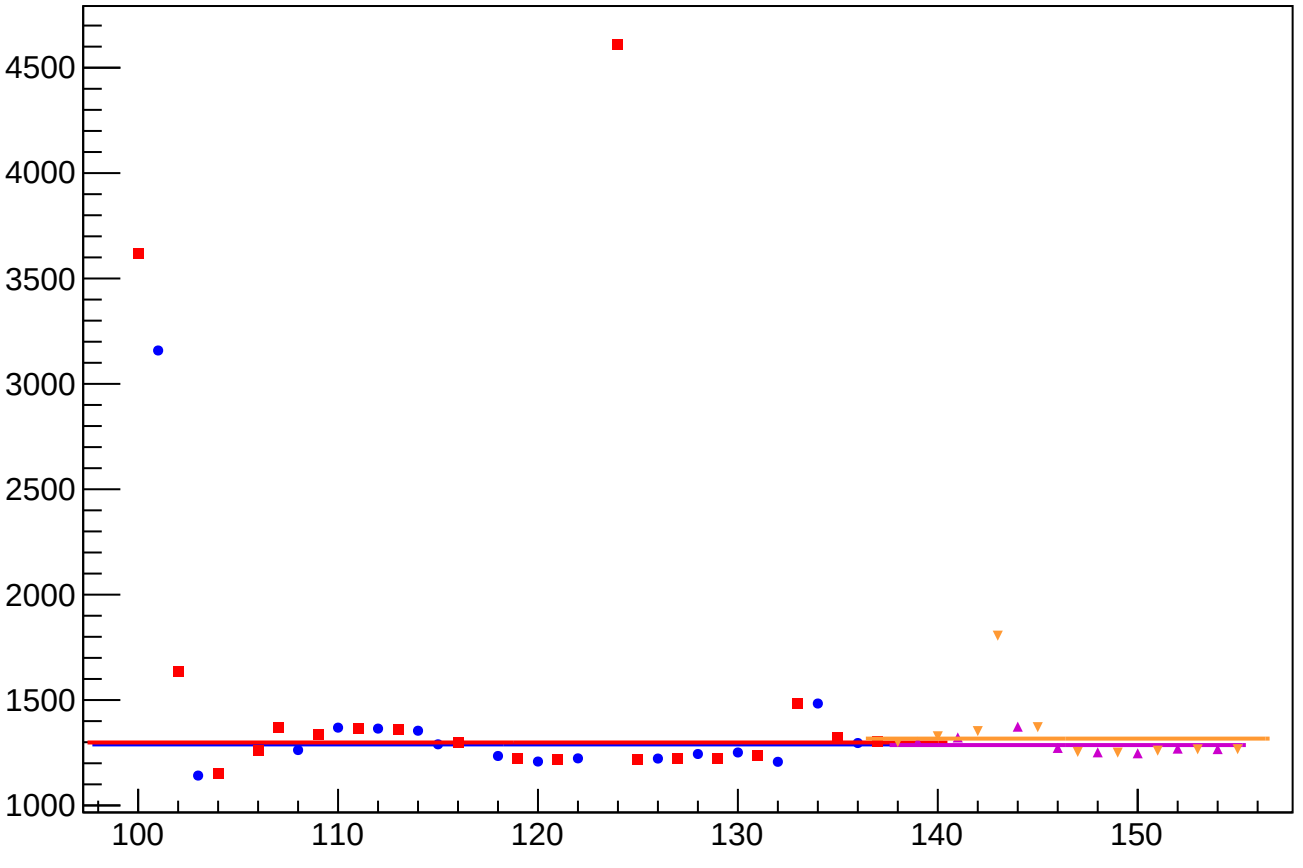
Left: 489.557+/-338.512 χ^2/NDF: 20.5/17

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -466.733+/-344.486 χ^2/NDF:18.2/23

Out: 607.324+/-339.206 χ^2/NDF:30.8/28

All: 78.590+/-241.700 χ^2/NDF: 53.9/52



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

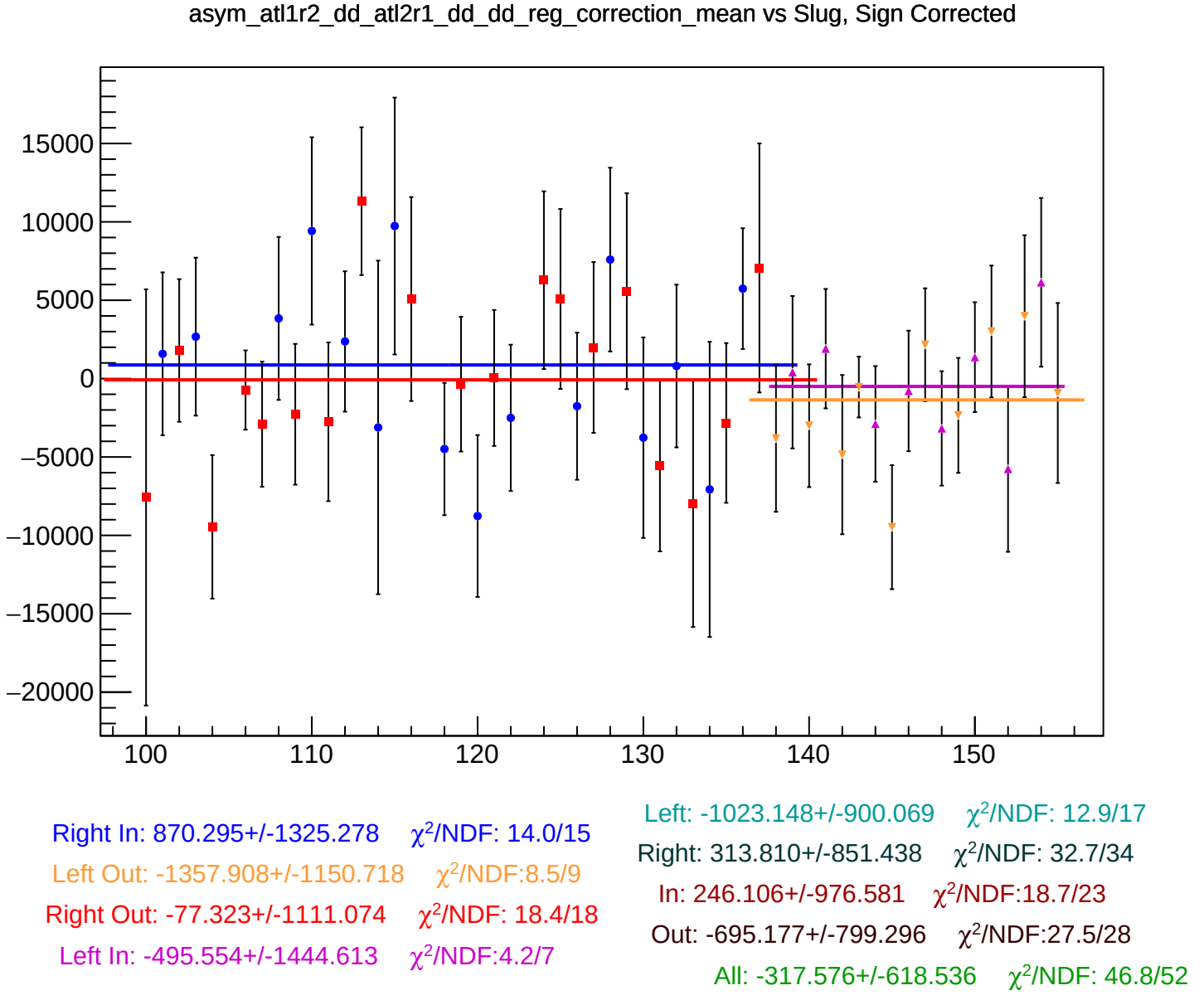
Left: 1302.171+/-0.239 χ^2/NDF: 157495.7/17

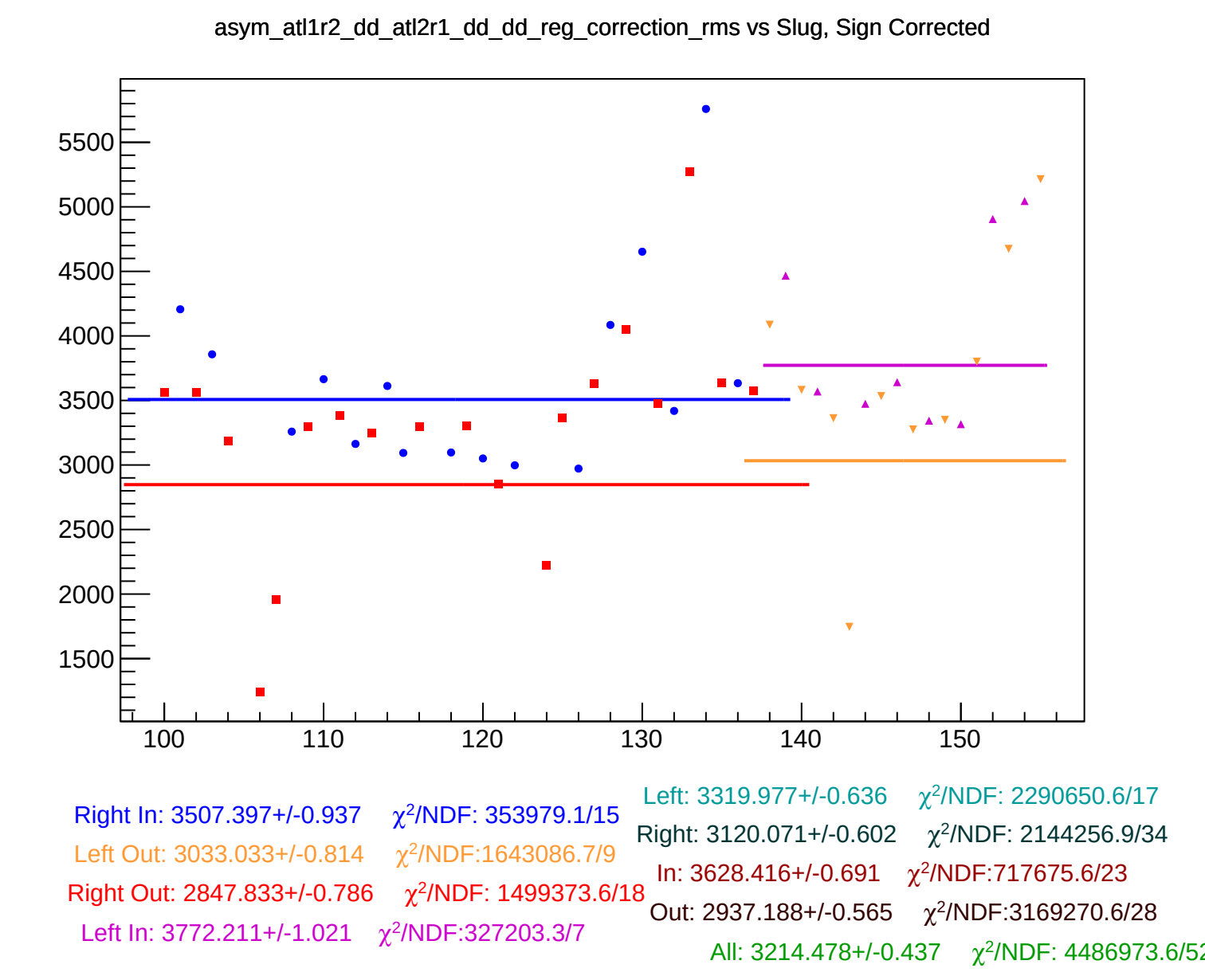
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

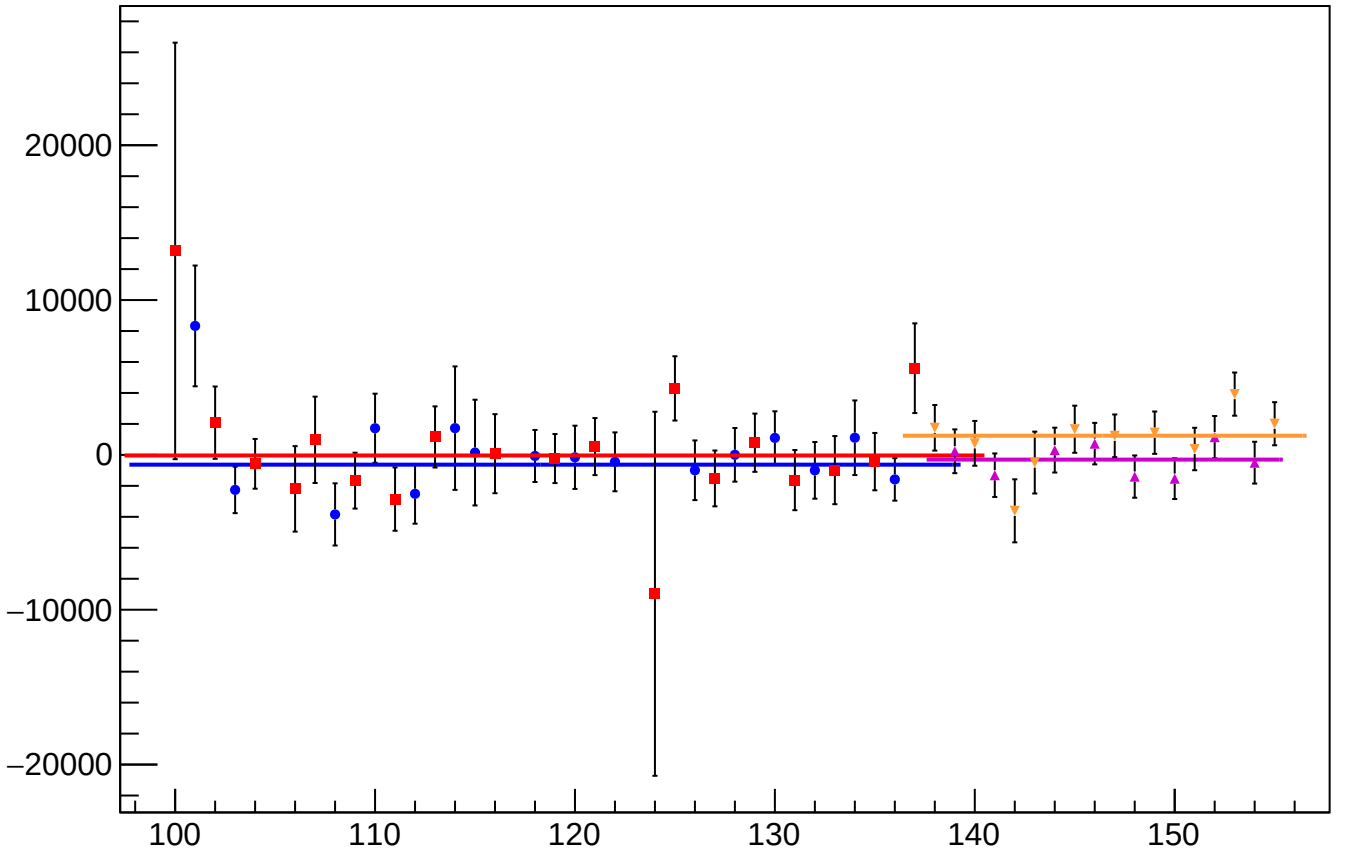
In: 1287.918+/-0.244 χ^2/NDF:527482.6/23

Out: 1308.144+/-0.240 χ^2/NDF:461474.0/28

All: 1298.200+/-0.171 χ^2/NDF: 992461.5/52


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: -1357.908+/-1150.718 χ²/NDF:8.5/9
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -495.554+/-1444.613 χ²/NDF:4.2/7
Left: -1023.148+/-900.069 χ²/NDF: 12.9/17
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 246.106+/-976.581 χ²/NDF:18.7/23
Out: -695.177+/-799.296 χ²/NDF:27.5/28
All: -317.576+/-618.536 χ²/NDF: 46.8/52


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 3033.033+/-0.814 χ²/NDF:1643086.7/9
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 3772.211+/-1.021 χ²/NDF:327203.3/7
Left: 3319.977+/-0.636 χ²/NDF: 2290650.6/17
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3628.416+/-0.691 χ²/NDF:717675.6/23
Out: 2937.188+/-0.565 χ²/NDF:3169270.6/28
All: 3214.478+/-0.437 χ²/NDF: 4486973.6/52



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.450+/-472.044 χ^2/NDF:11.2/9

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -304.385+/-485.703 χ^2/NDF:4.1/7

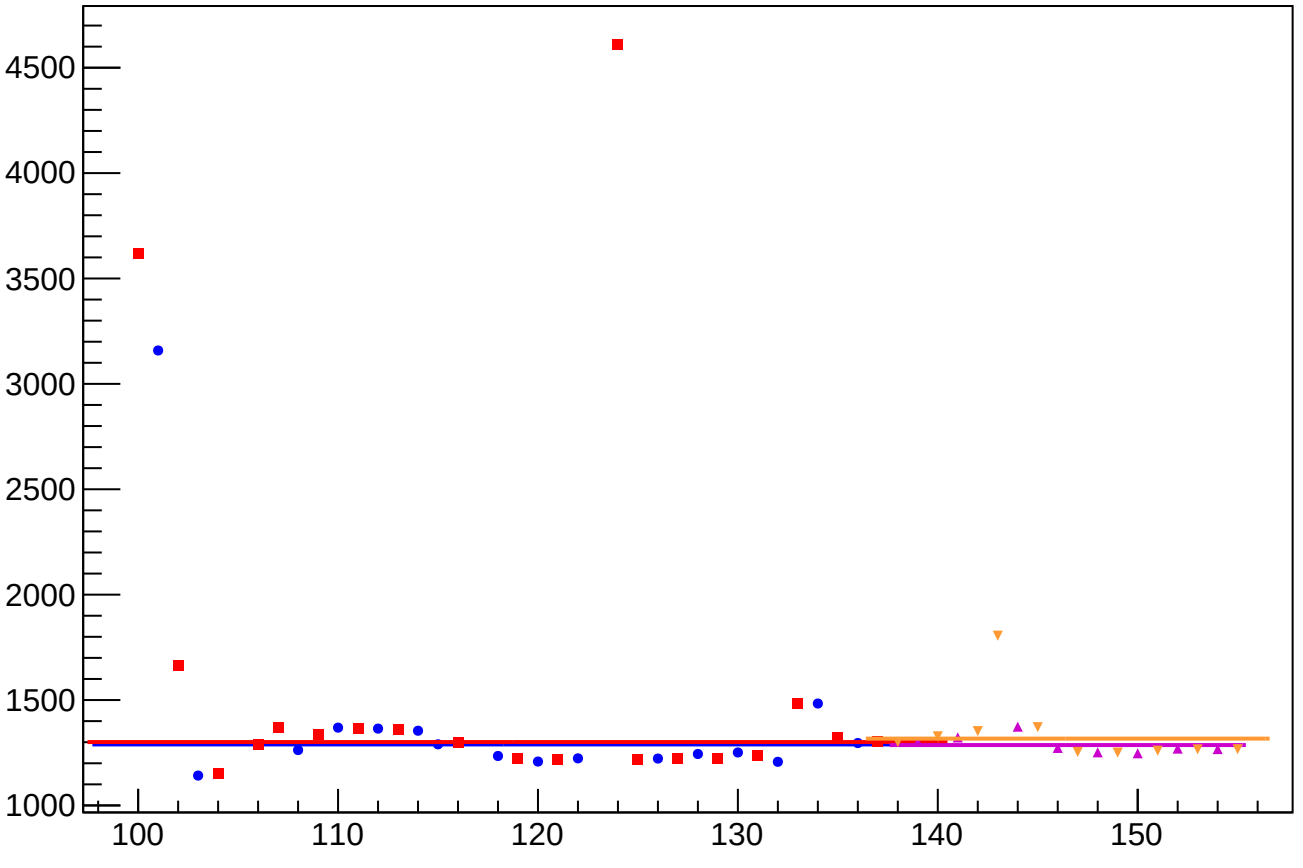
Left: 489.545+/-338.512 χ^2/NDF: 20.5/17

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -466.913+/-344.486 χ^2/NDF:18.2/23

Out: 621.759+/-339.315 χ^2/NDF:31.0/28

All: 85.655+/-241.739 χ^2/NDF: 54.3/52



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

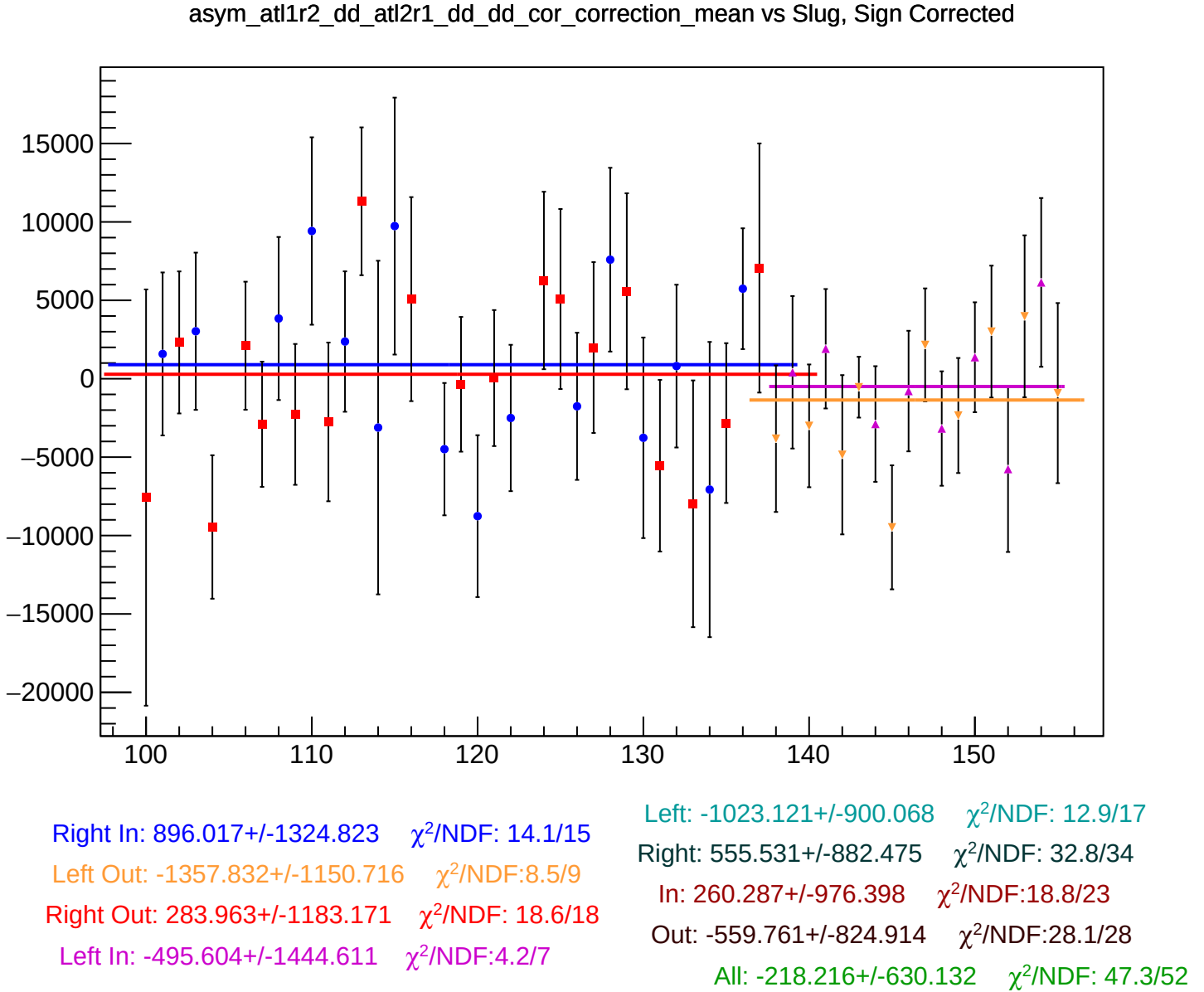
Left: 1302.171+/-0.239 χ^2/NDF: 157495.7/17

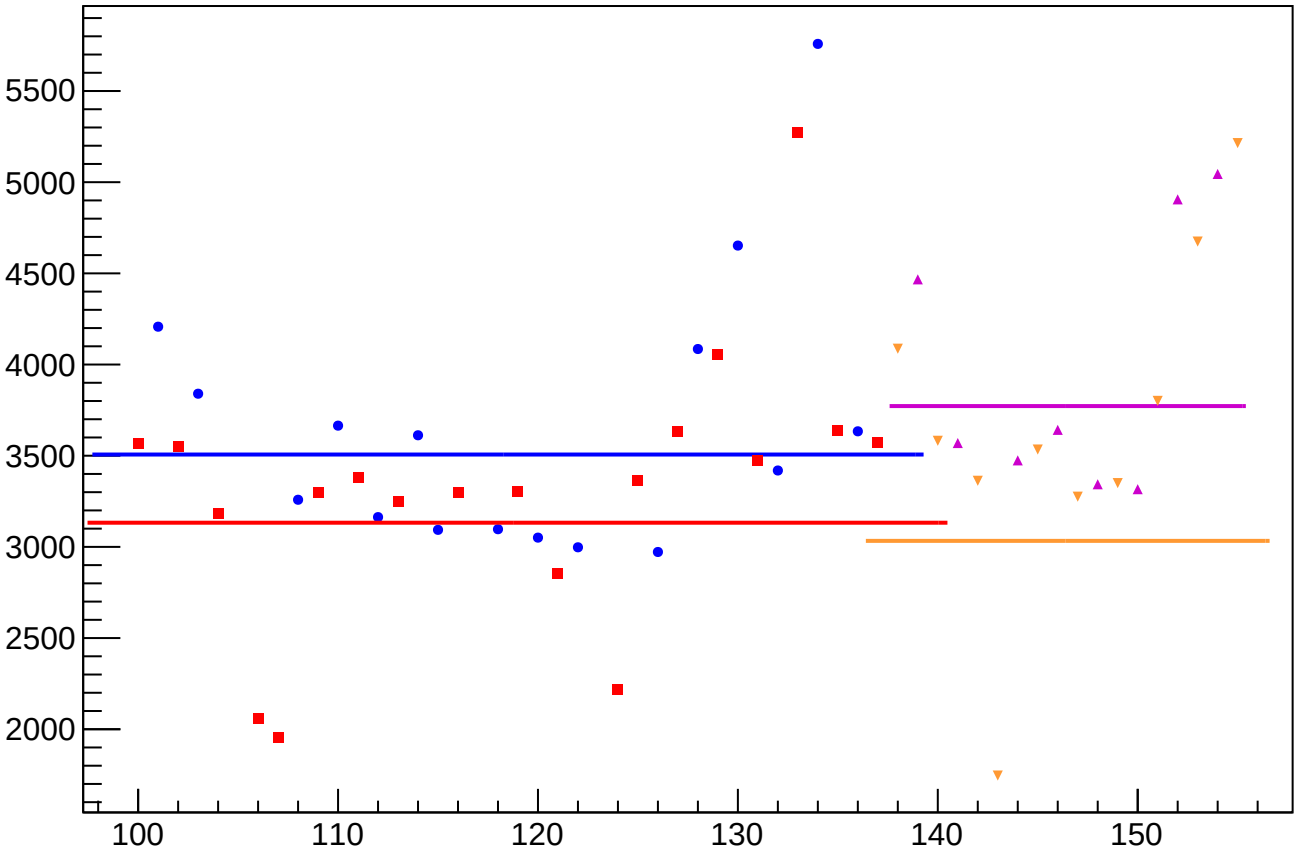
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.918+/-0.244 χ^2/NDF:527484.1/23

Out: 1309.140+/-0.240 χ^2/NDF:467697.7/28

All: 1298.699+/-0.171 χ^2/NDF: 999037.5/52


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1357.832+/-1150.716 χ²/NDF:8.5/9
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -495.604+/-1444.611 χ²/NDF:4.2/7
Left: -1023.121+/-900.068 χ²/NDF: 12.9/17
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 260.287+/-976.398 χ²/NDF:18.8/23
Out: -559.761+/-824.914 χ²/NDF:28.1/28
All: -218.216+/-630.132 χ²/NDF: 47.3/52



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3033.023+/-0.814 χ^2/NDF:1643113.7/9

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3772.206+/-1.021 χ^2/NDF:327202.8/7

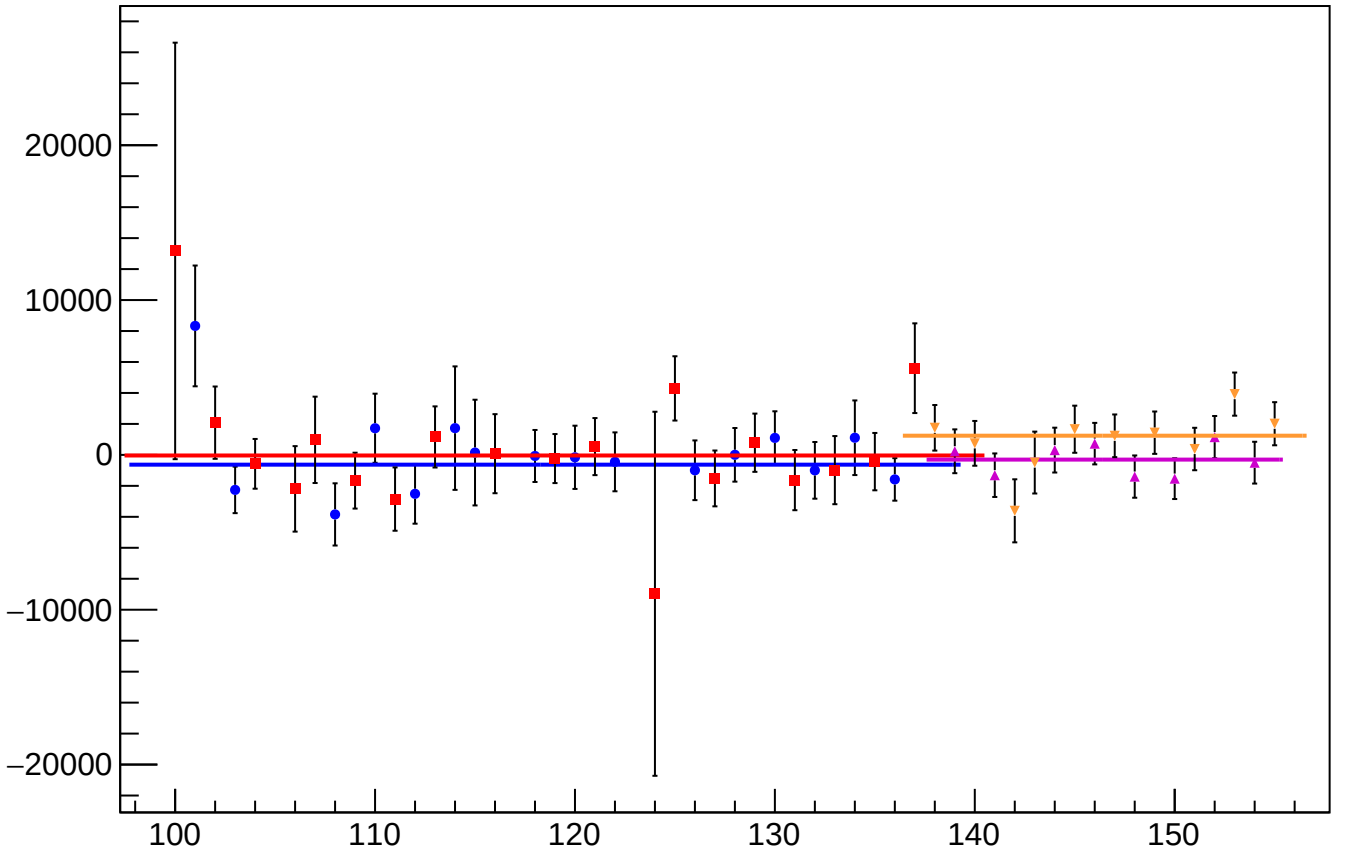
Left: 3319.969+/-0.636 χ^2/NDF: 2290682.4/17

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3627.873+/-0.690 χ^2/NDF:717195.9/23

Out: 3081.420+/-0.583 χ^2/NDF:2300002.9/28

All: 3309.015+/-0.446 χ^2/NDF: 3382731.6/52



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1239.450+/-472.044 χ^2/NDF:11.2/9

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -304.385+/-485.703 χ^2/NDF:4.1/7

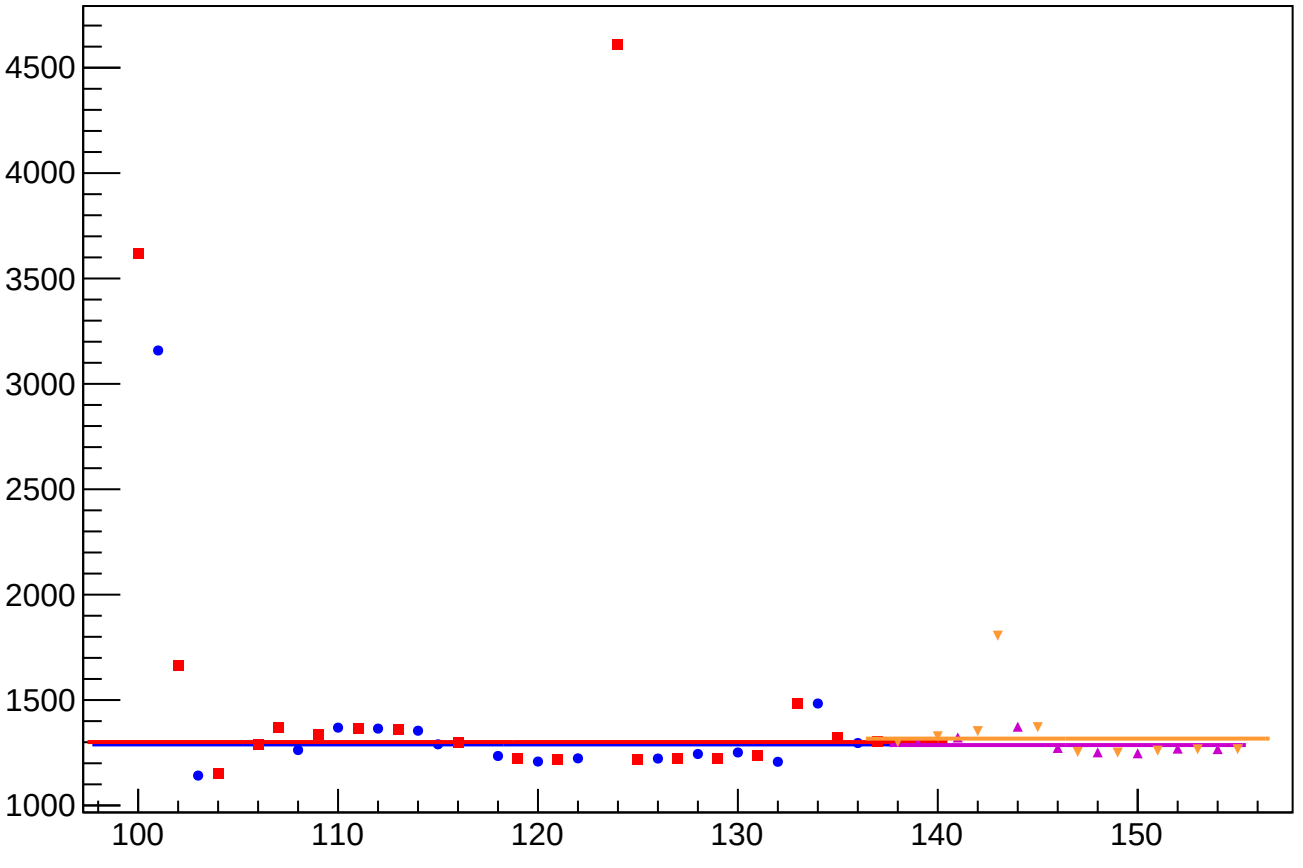
Left: 489.545+/-338.512 χ^2/NDF: 20.5/17

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -466.913+/-344.486 χ^2/NDF:18.2/23

Out: 621.759+/-339.315 χ^2/NDF:31.0/28

All: 85.655+/-241.739 χ^2/NDF: 54.3/52



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1317.078+/-0.334 χ^2/NDF:140622.0/9

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1286.389+/-0.343 χ^2/NDF:12767.7/7

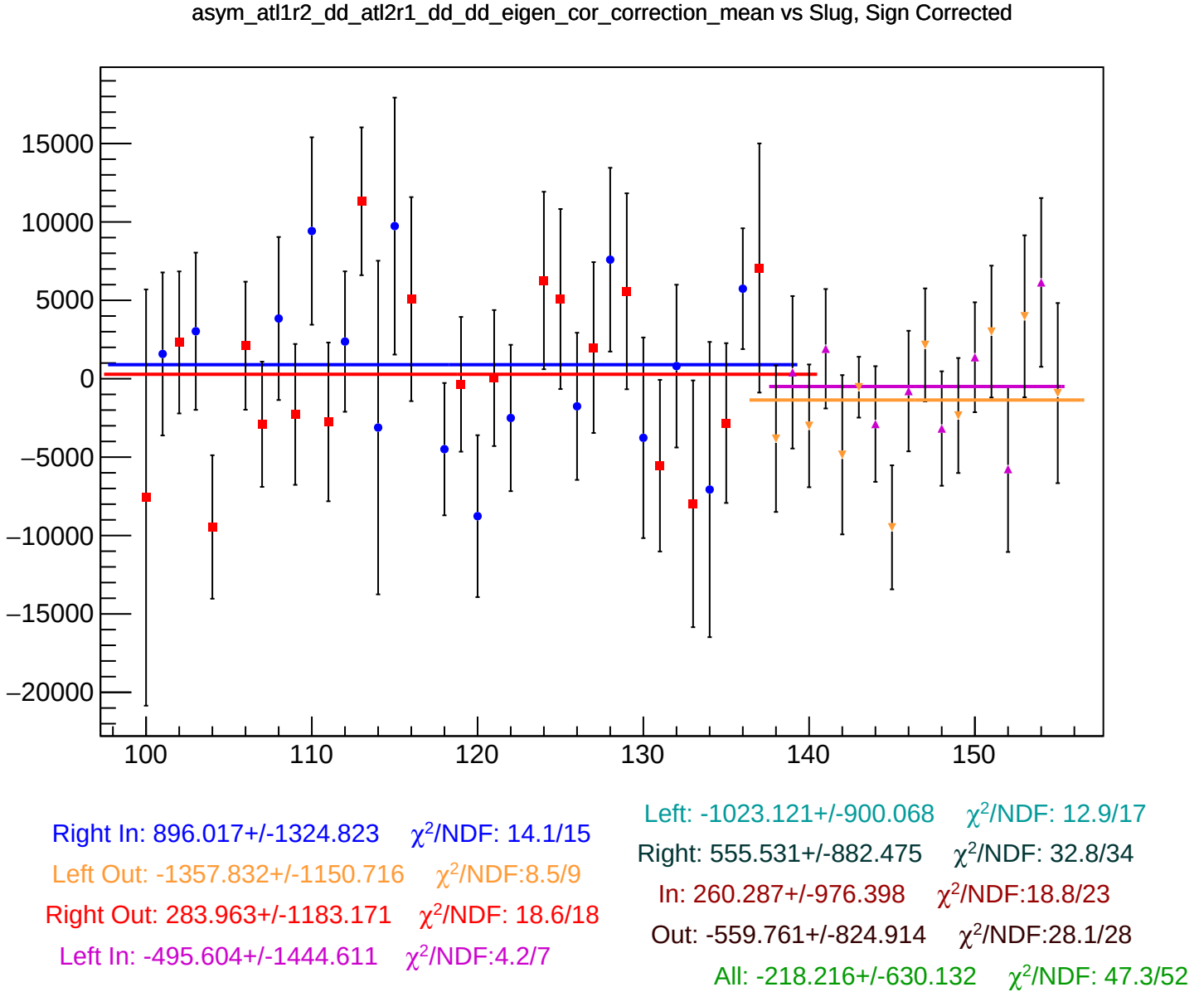
Left: 1302.171+/-0.239 χ^2/NDF: 157495.7/17

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1287.918+/-0.244 χ^2/NDF:527484.1/23

Out: 1309.140+/-0.240 χ^2/NDF:467697.7/28

All: 1298.699+/-0.171 χ^2/NDF: 999037.5/52


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
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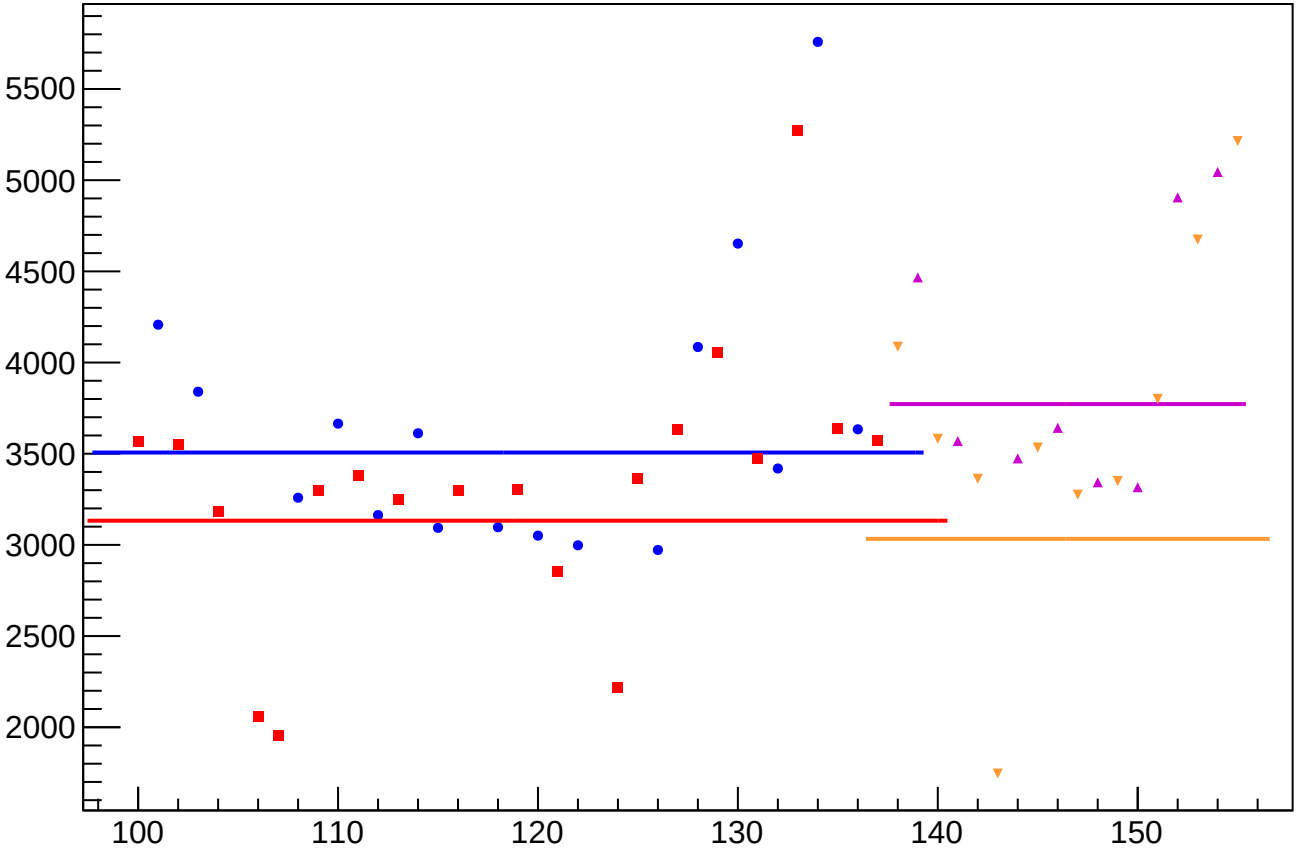
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1357.832+/-1150.716 χ²/NDF:8.5/9
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -495.604+/-1444.611 χ²/NDF:4.2/7
Left: -1023.121+/-900.068 χ²/NDF: 12.9/17
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 260.287+/-976.398 χ²/NDF:18.8/23
Out: -559.761+/-824.914 χ²/NDF:28.1/28
All: -218.216+/-630.132 χ²/NDF: 47.3/52

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: 3033.023+/-0.814 χ^2/NDF:1643113.7/9

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3772.206+/-1.021 χ^2/NDF:327202.8/7

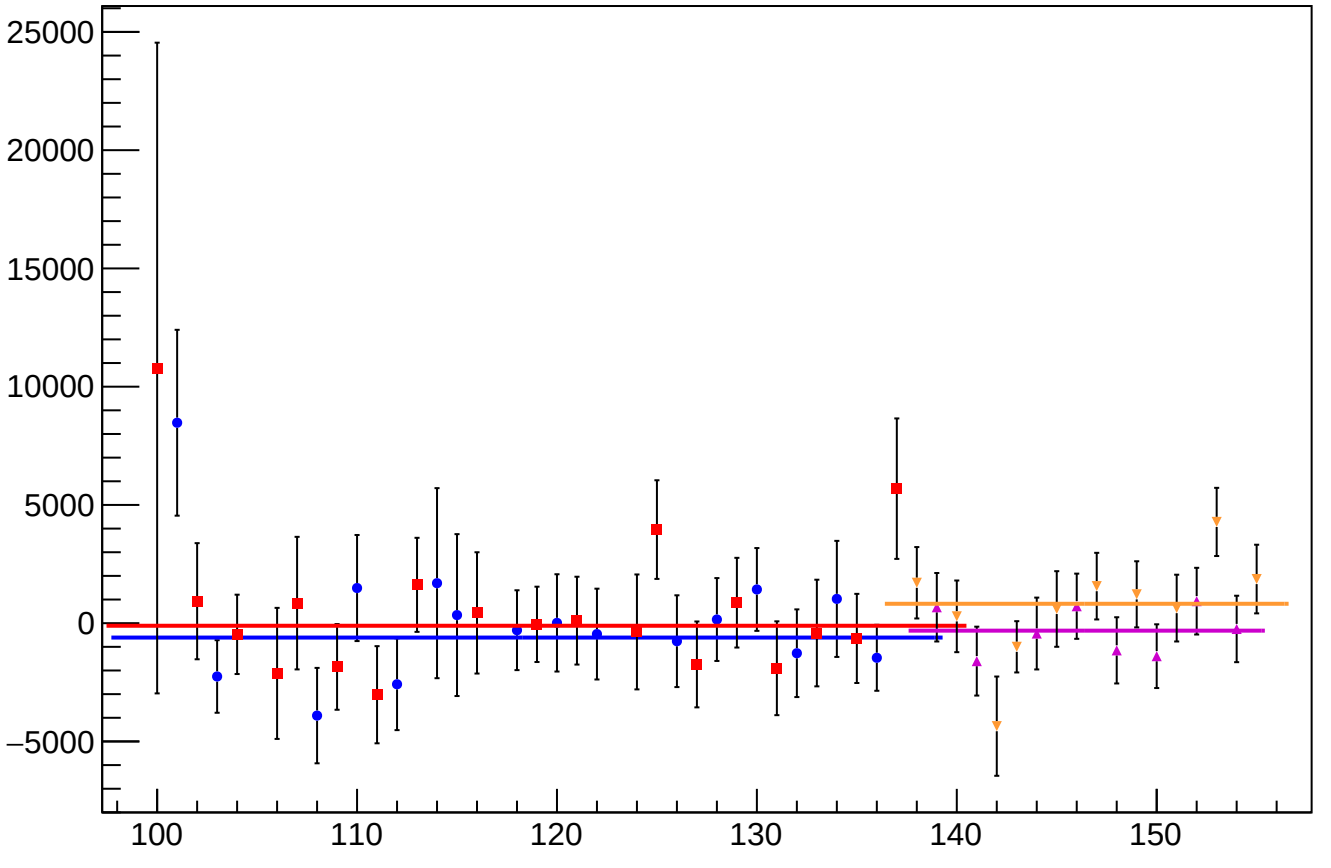
Left: 3319.969+/-0.636 χ^2/NDF: 2290682.4/17

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3627.873+/-0.690 χ^2/NDF:717195.9/23

Out: 3081.420+/-0.583 χ^2/NDF:2300002.9/28

All: 3309.015+/-0.446 χ^2/NDF: 3382731.6/52



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 820.470+/-455.608 χ^2/NDF:16.0/9

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -315.673+/-501.326 χ^2/NDF:3.6/7

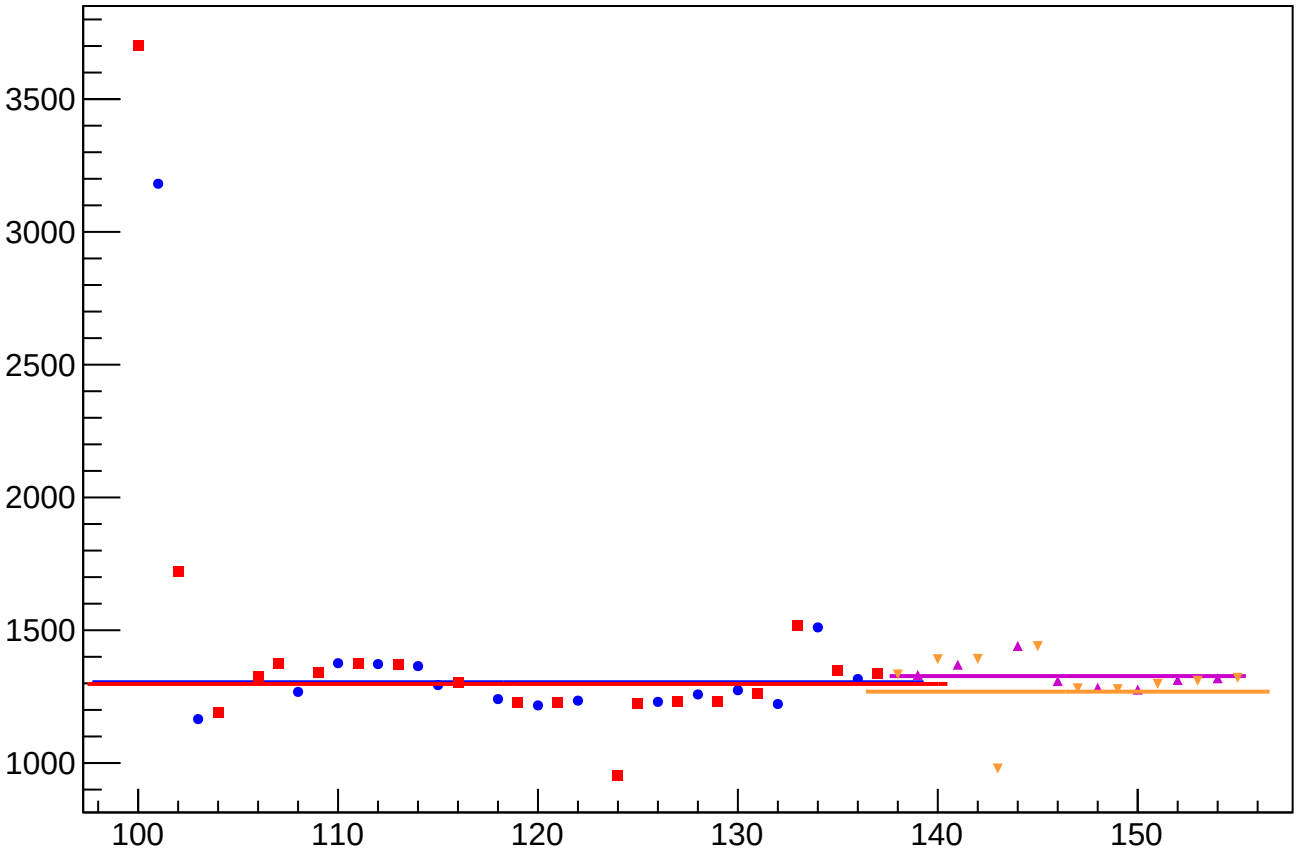
Left: 306.555+/-337.170 χ^2/NDF: 22.5/17

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -463.848+/-351.938 χ^2/NDF:17.9/23

Out: 385.459+/-332.245 χ^2/NDF:32.9/28

All: -14.770+/-241.595 χ^2/NDF: 53.8/52



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1268.816+/-0.322 χ^2/NDF:194521.7/9

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1327.399+/-0.354 χ^2/NDF:18384.6/7

Left: 1295.315+/-0.238 χ^2/NDF: 227863.6/17

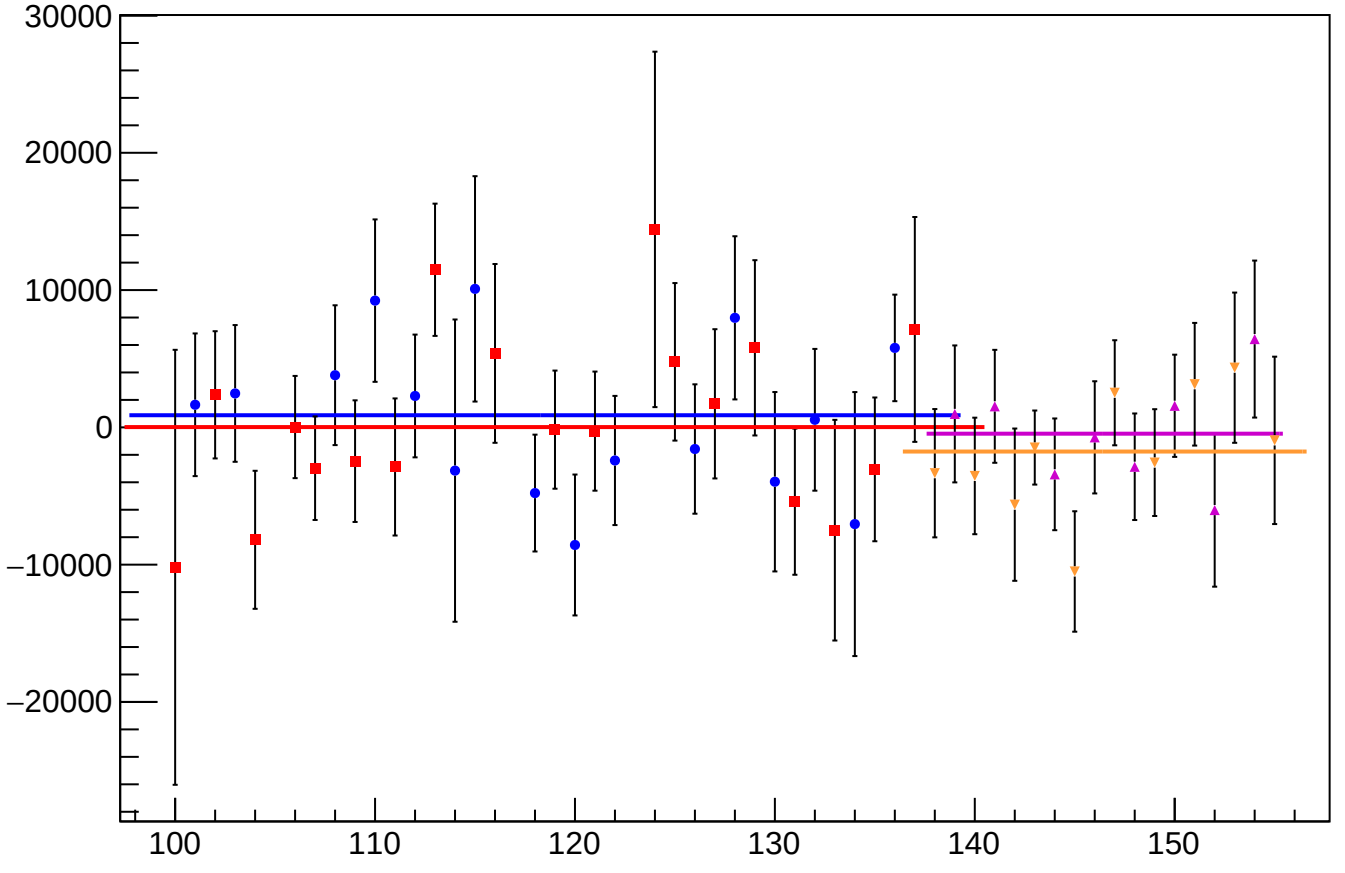
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1315.584+/-0.249 χ^2/NDF:531164.5/23

Out: 1282.396+/-0.235 χ^2/NDF:411410.3/28

All: 1298.029+/-0.171 χ^2/NDF: 951982.0/52

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: -1760.925+/-1326.844 χ^2/NDF:8.5/9

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -460.355+/-1541.521 χ^2/NDF:4.0/7

Left: -1207.436+/-1005.627 χ^2/NDF: 12.9/17

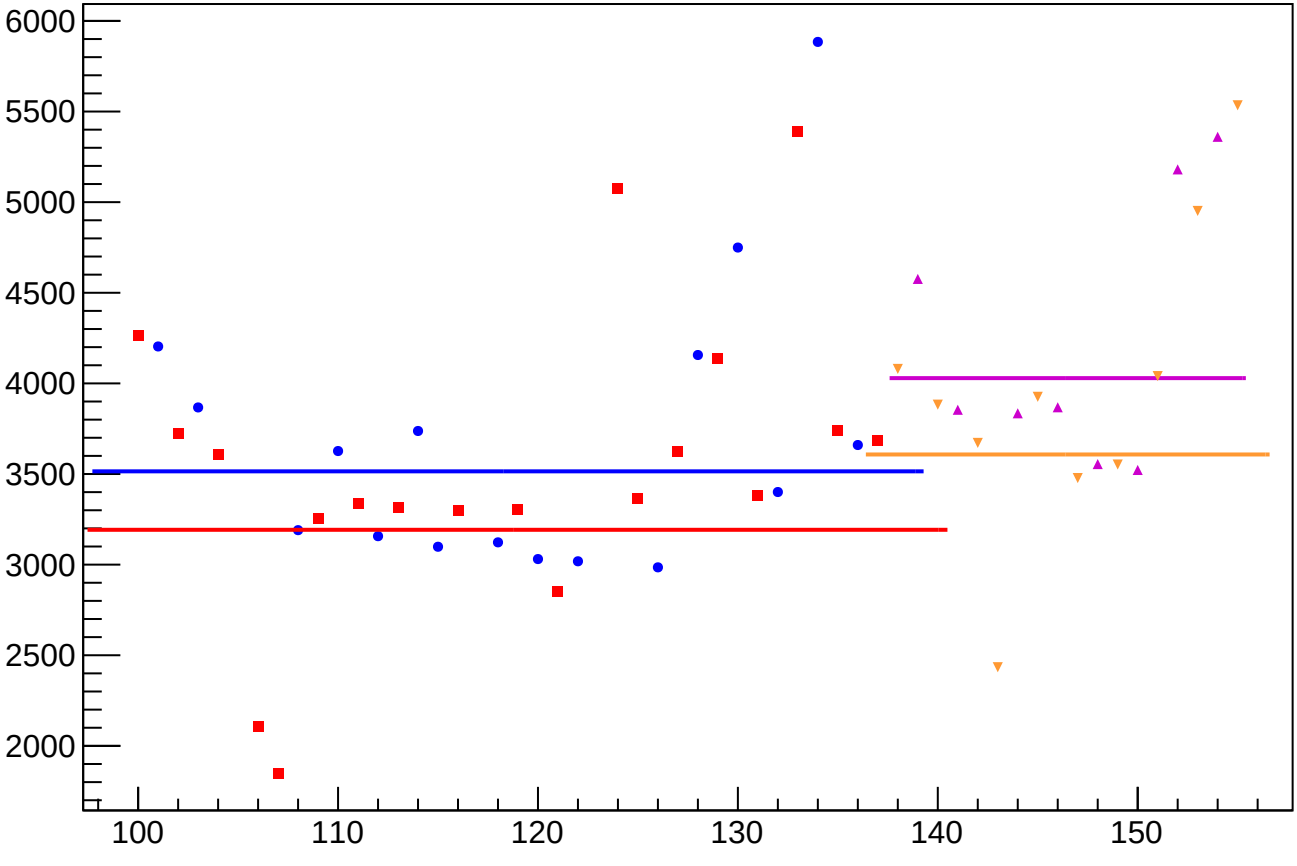
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 311.636+/-1005.869 χ^2/NDF:18.5/23

Out: -780.923+/-890.009 χ^2/NDF:26.3/28

All: -301.163+/-666.547 χ^2/NDF: 45.5/52

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: 3607.808+/-0.938 χ^2/NDF:760158.3/9

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4029.067+/-1.090 χ^2/NDF:295872.9/7

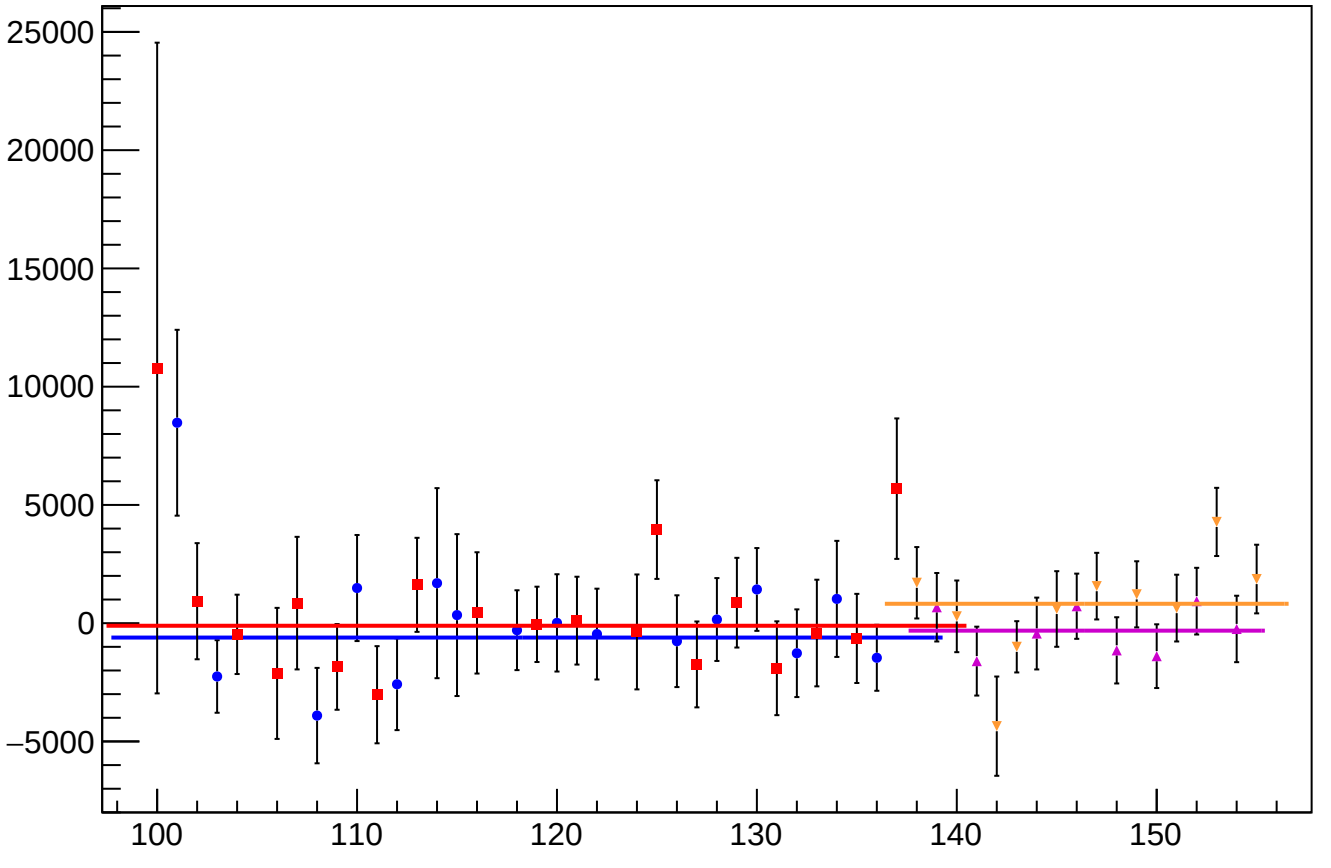
Left: 3787.085+/-0.711 χ^2/NDF: 1141826.5/17

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3733.733+/-0.711 χ^2/NDF:798795.5/23

Out: 3379.198+/-0.629 χ^2/NDF:1640589.9/28

All: 3534.880+/-0.471 χ^2/NDF: 2578745.4/52



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 820.470+/-455.608 χ^2/NDF:16.0/9

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -315.671+/-501.326 χ^2/NDF:3.6/7

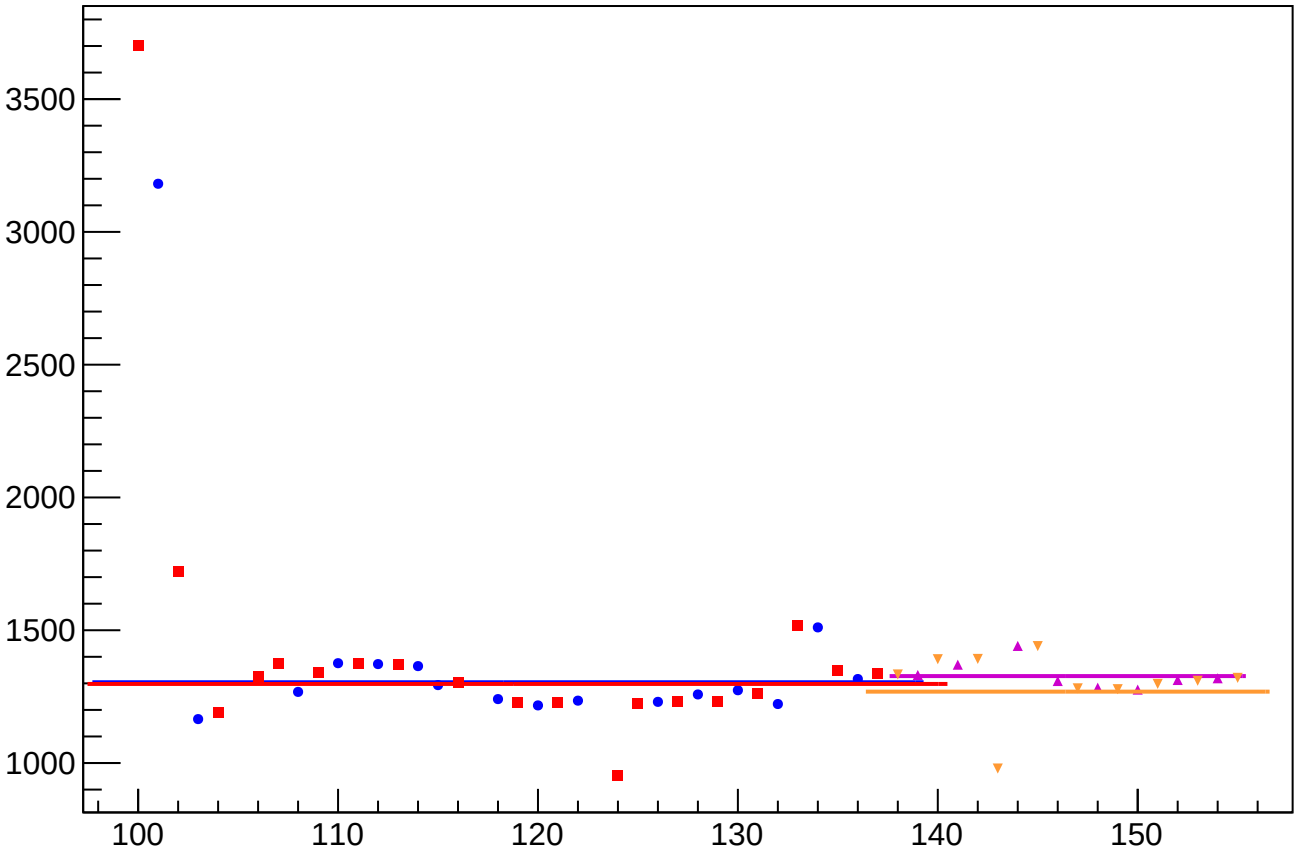
Left: 306.556+/-337.170 χ^2/NDF: 22.5/17

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -463.849+/-351.938 χ^2/NDF:17.9/23

Out: 385.456+/-332.245 χ^2/NDF:32.9/28

All: -14.772+/-241.595 χ^2/NDF: 53.8/52



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1268.817+/-0.322 χ^2/NDF:194522.0/9

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1327.400+/-0.354 χ^2/NDF:18384.7/7

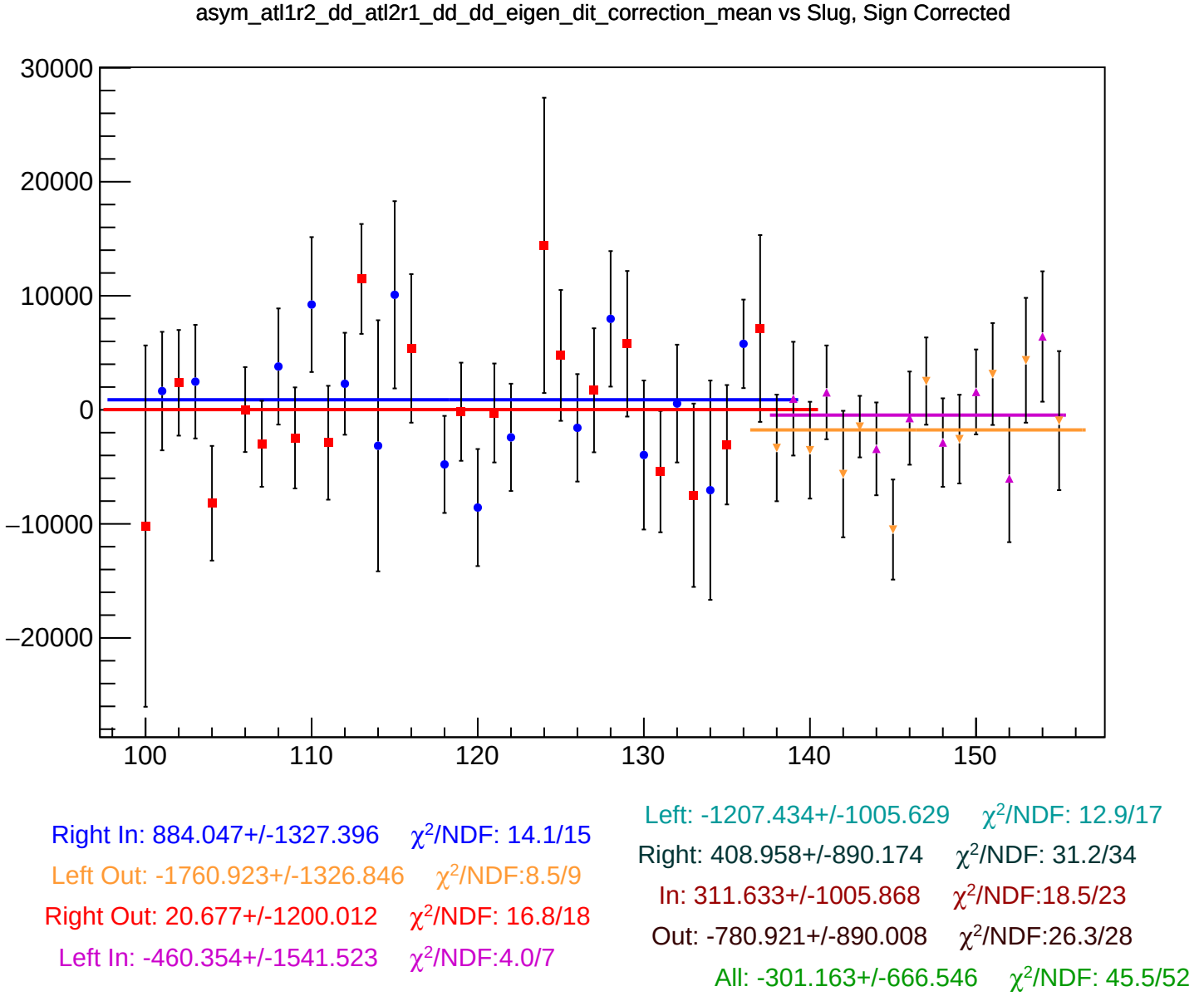
Left: 1295.316+/-0.238 χ^2/NDF: 227864.0/17

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

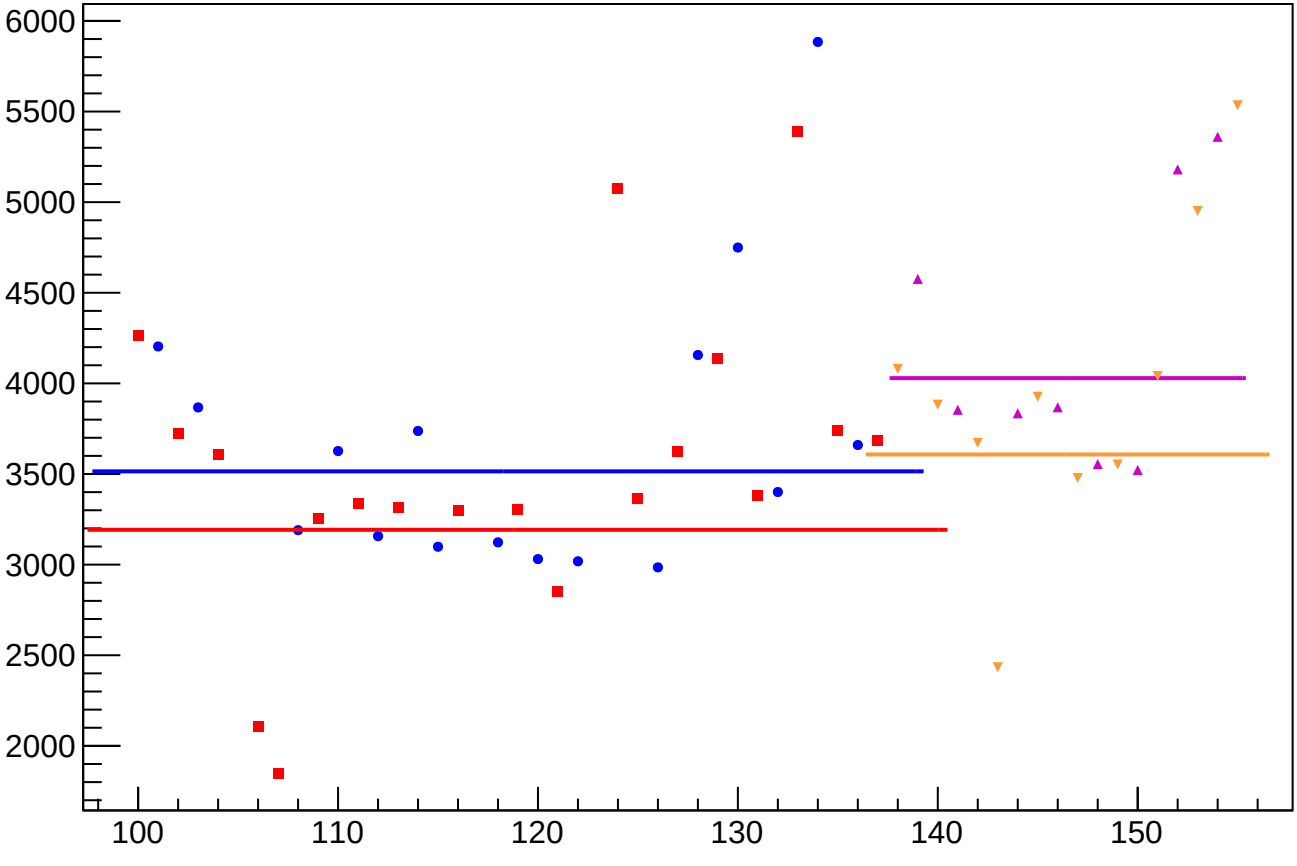
In: 1315.584+/-0.249 χ^2/NDF:531164.9/23

Out: 1282.396+/-0.235 χ^2/NDF:411410.5/28

All: 1298.030+/-0.171 χ^2/NDF: 951982.6/52


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -1760.923+/-1326.846 χ²/NDF:8.5/9
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -460.354+/-1541.523 χ²/NDF:4.0/7
Left: -1207.434+/-1005.629 χ²/NDF: 12.9/17
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 311.633+/-1005.868 χ²/NDF:18.5/23
Out: -780.921+/-890.008 χ²/NDF:26.3/28
All: -301.163+/-666.546 χ²/NDF: 45.5/52

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: 3607.813+/-0.938 χ^2/NDF:760158.4/9

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4029.072+/-1.090 χ^2/NDF:295873.4/7

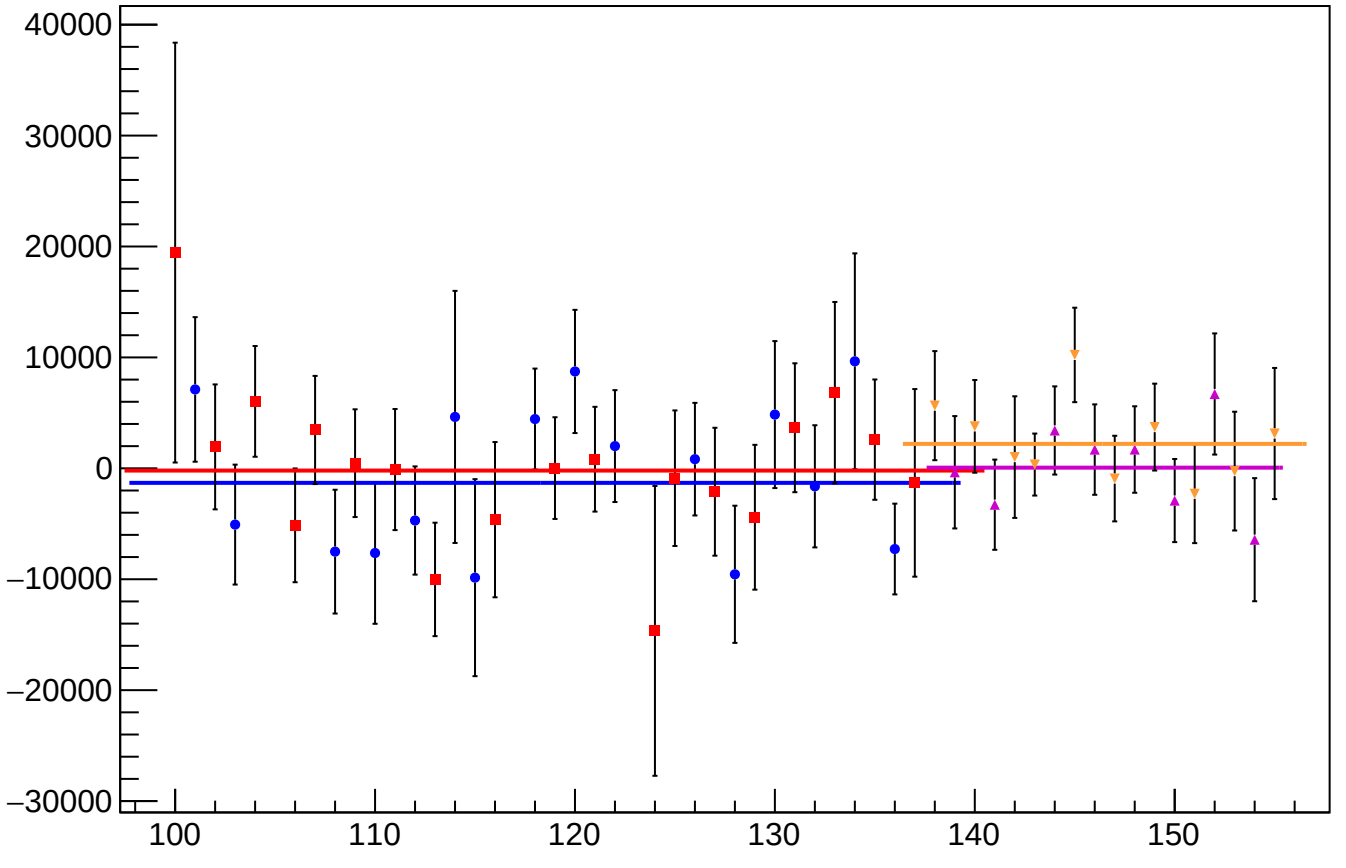
Left: 3787.090+/-0.711 χ^2/NDF: 1141827.0/17

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3733.729+/-0.711 χ^2/NDF:798807.3/23

Out: 3379.195+/-0.629 χ^2/NDF:1640599.0/28

All: 3534.876+/-0.471 χ^2/NDF: 2578765.7/52



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2203.166+/-1334.679 χ^2/NDF:6.7/9

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 60.364+/-1532.346 χ^2/NDF:5.2/7

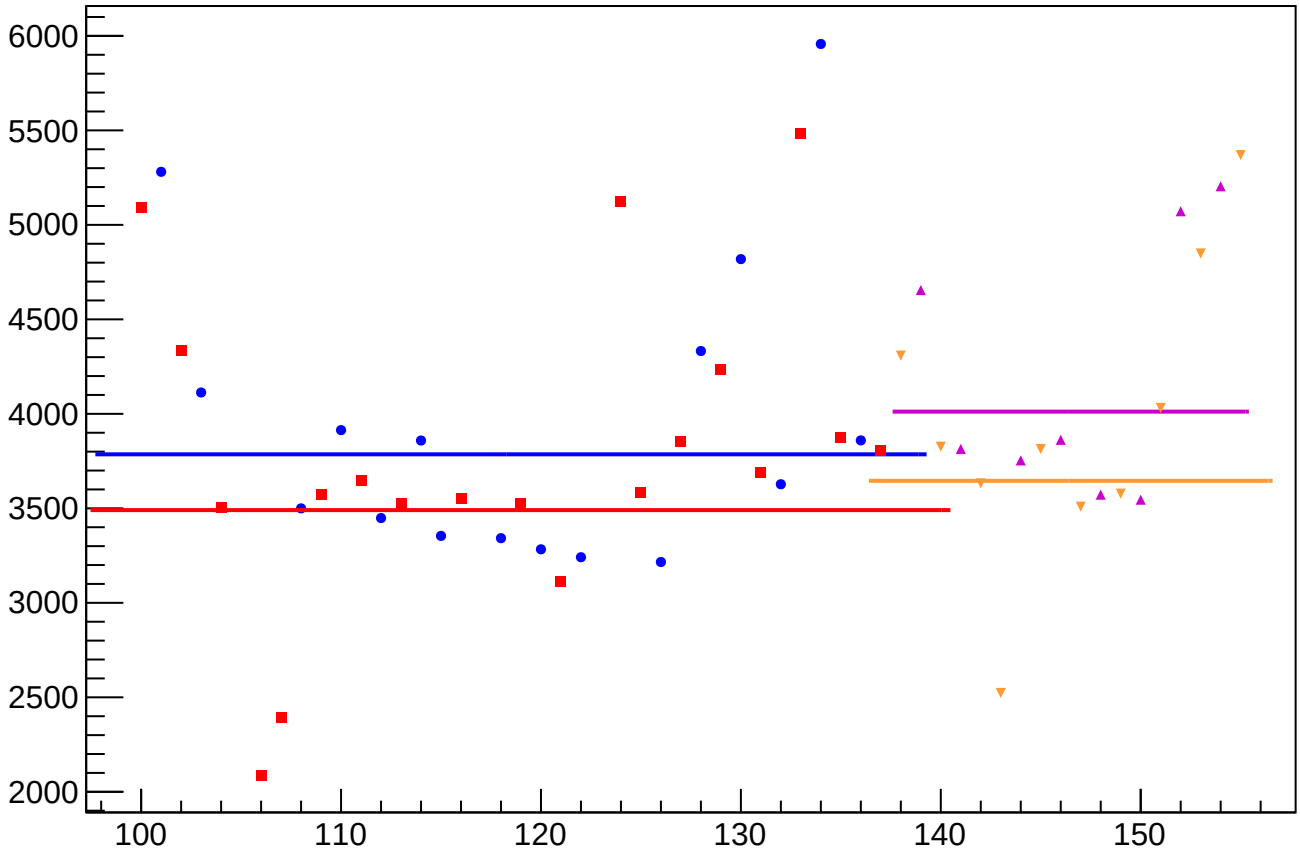
Left: 1278.802+/-1006.439 χ^2/NDF: 13.1/17

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -670.985+/-1046.108 χ^2/NDF:23.2/23

Out: 1002.032+/-944.249 χ^2/NDF:20.0/28

All: 250.918+/-700.937 χ^2/NDF: 44.6/52



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3645.649+/-0.944 χ^2/NDF:654864.0/9

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4011.759+/-1.084 χ^2/NDF:272083.9/7

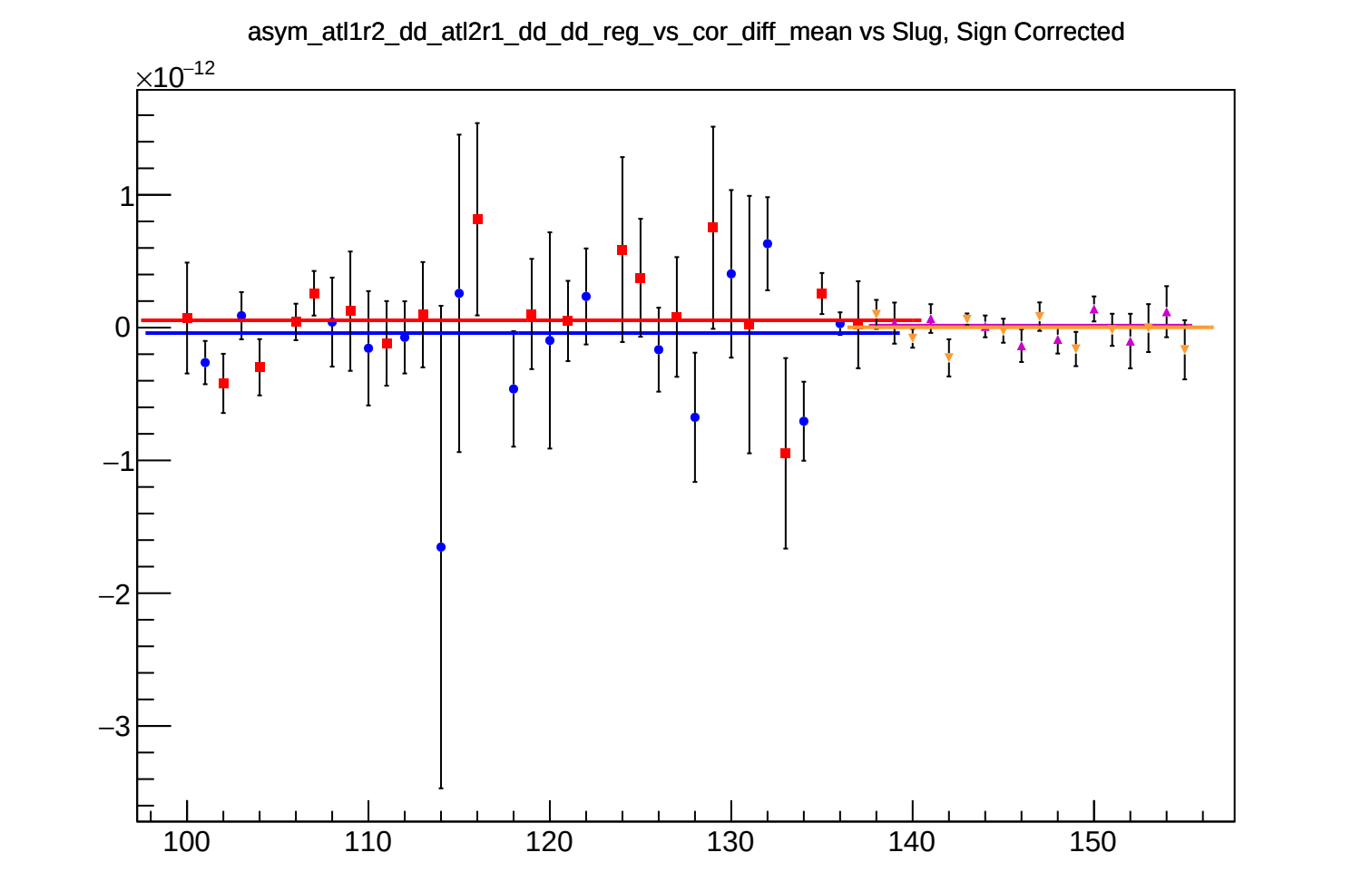
Left: 3803.582+/-0.712 χ^2/NDF: 991865.3/17

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3891.095+/-0.740 χ^2/NDF:678302.8/23

Out: 3567.147+/-0.663 χ^2/NDF:1255243.3/28

All: 3711.481+/-0.494 χ^2/NDF: 2039885.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/7

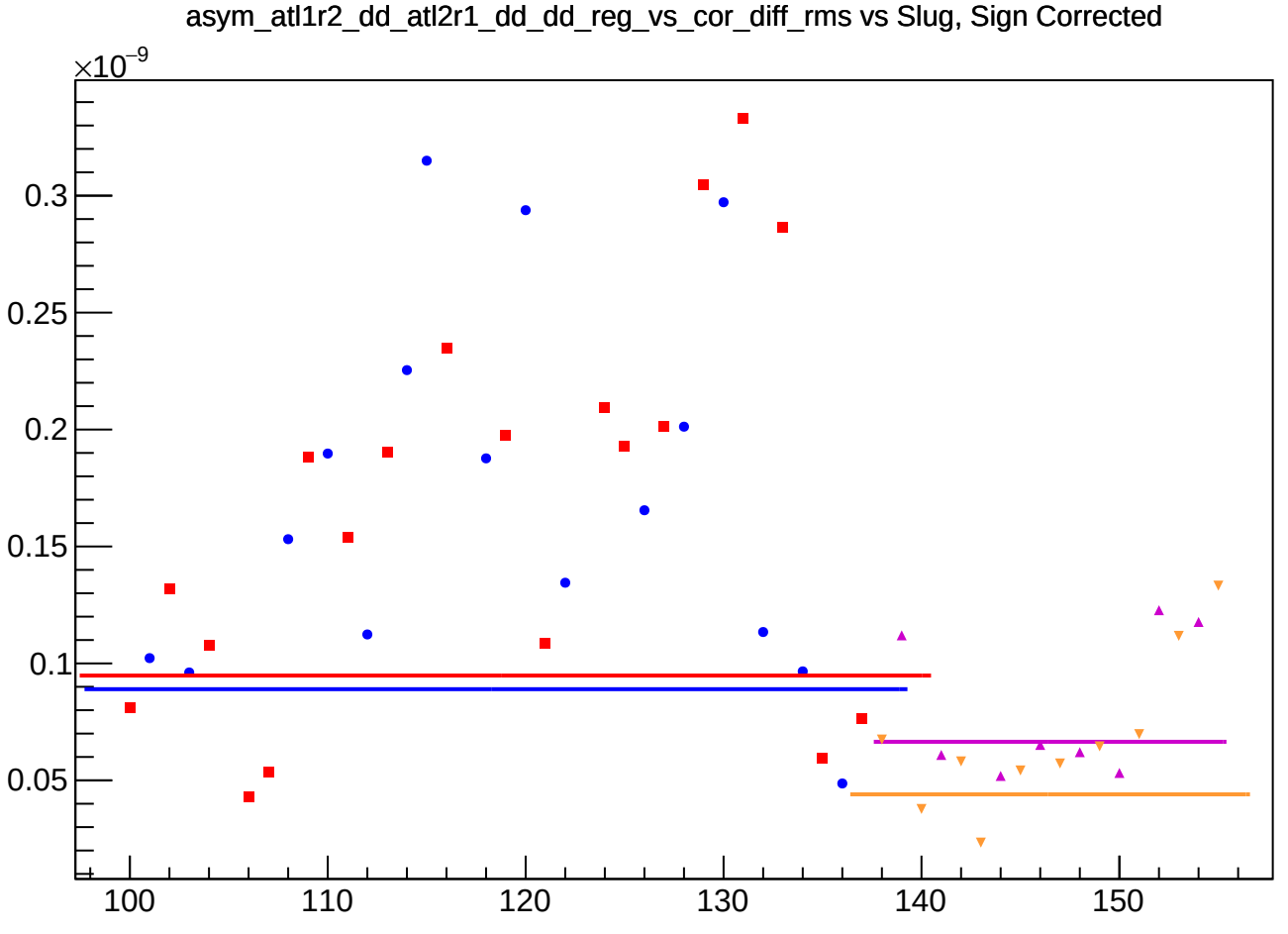
Left: 0.000+/-0.000 χ^2/NDF: 14.7/17

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:22.3/23

Out: 0.000+/-0.000 χ^2/NDF:26.0/28

All: 0.000+/-0.000 χ^2/NDF: 48.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1367936.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:577604.9/7

Left: 0.000+/-0.000 χ^2/NDF: 2349937.1/17

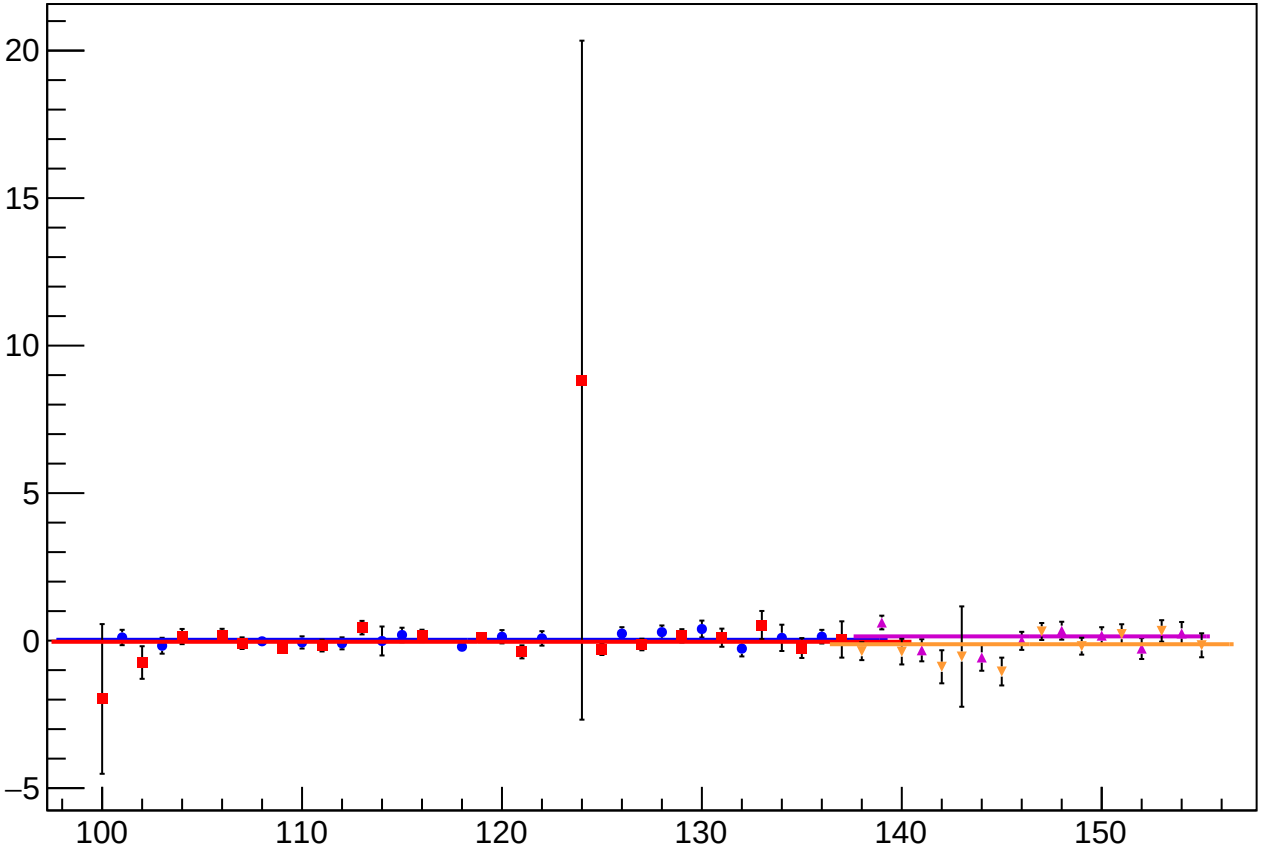
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2234118.2/23

Out: 0.000+/-0.000 χ^2/NDF:4155699.5/28

All: 0.000+/-0.000 χ^2/NDF: 6898108.9/52

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: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.018+/-0.082 χ^2/NDF: 24.5/17

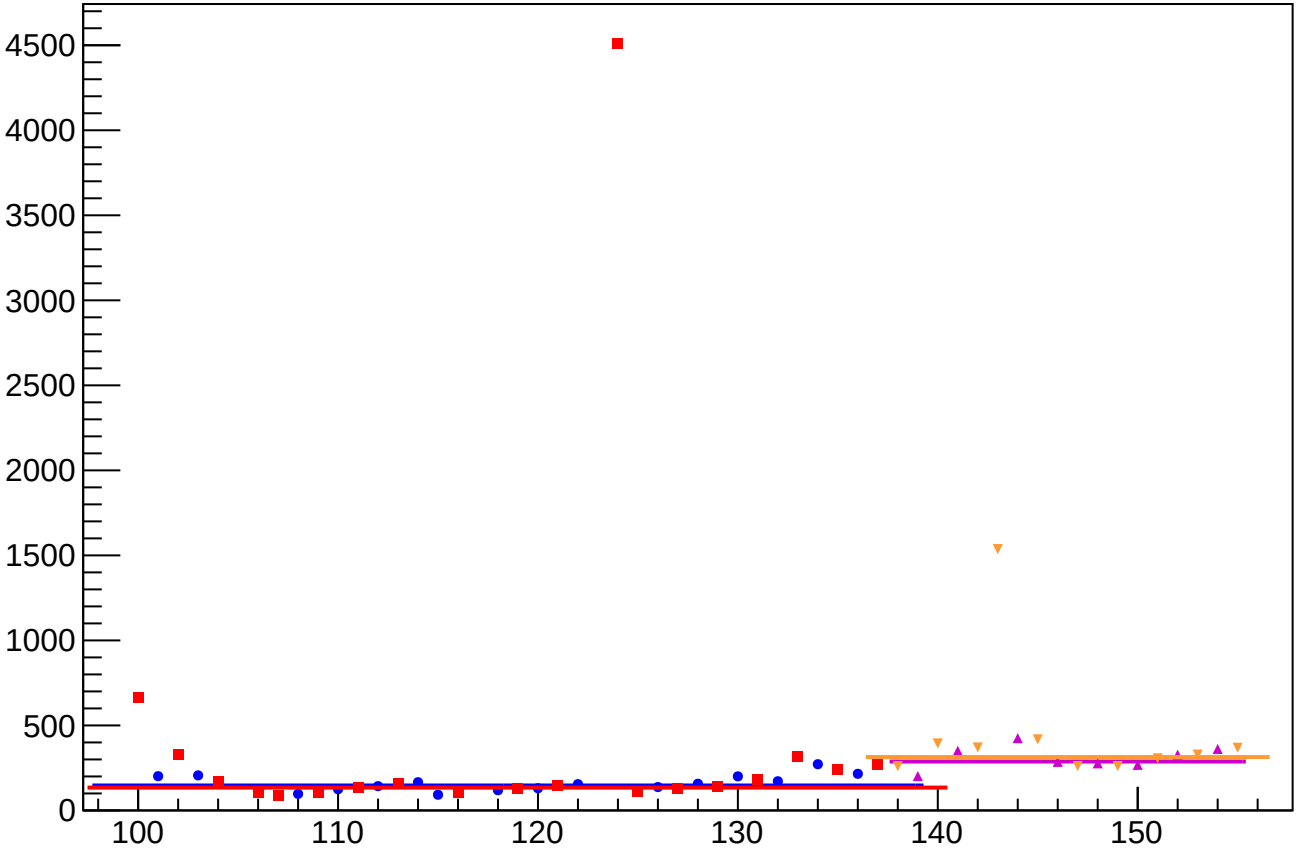
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.054+/-0.050 χ^2/NDF:32.0/28

All: -0.003+/-0.036 χ^2/NDF: 54.8/52

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: 314.096+/-0.084 χ^2/NDF:1457813.7/9

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 287.728+/-0.079 χ^2/NDF:624337.1/7

Left: 300.203+/-0.058 χ^2/NDF: 2134248.7/17

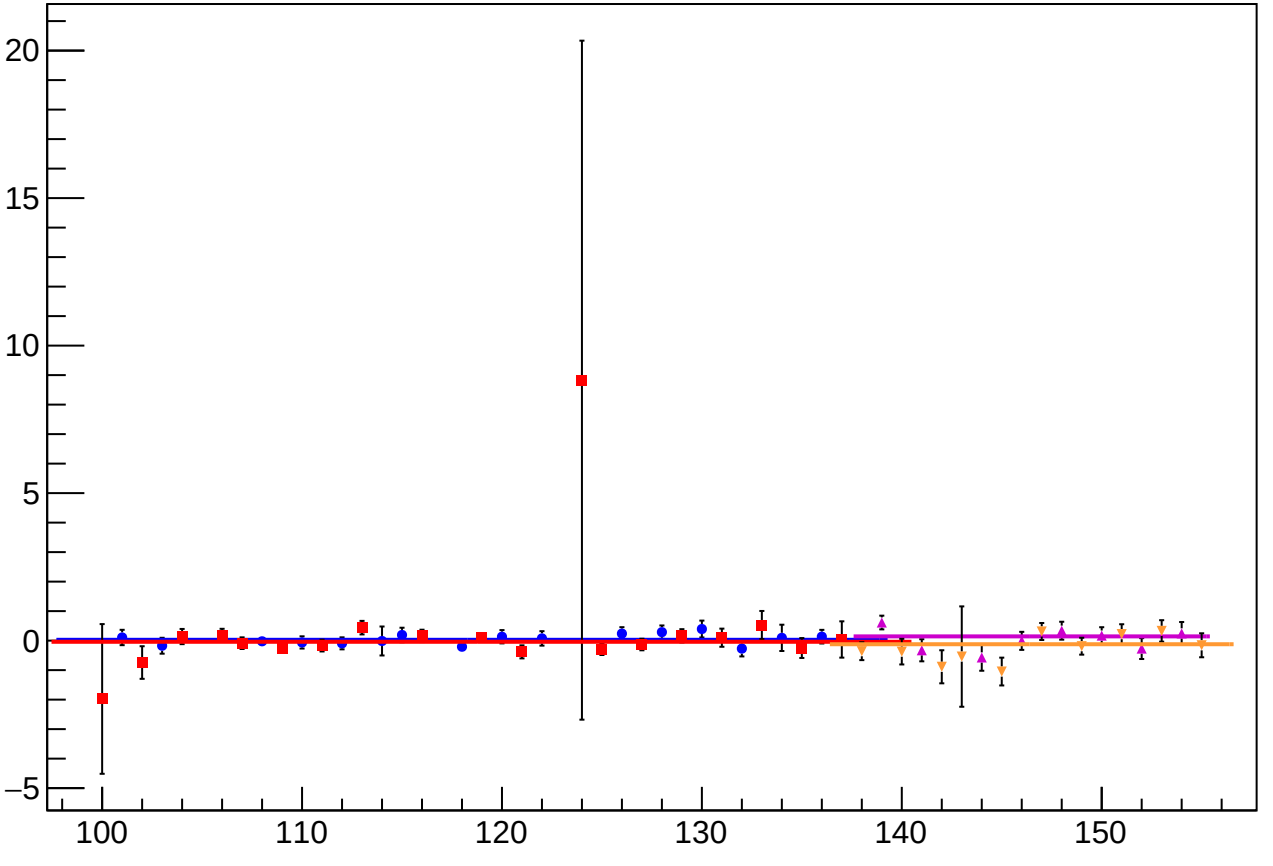
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 176.227+/-0.036 χ^2/NDF:4111129.1/23

Out: 166.085+/-0.035 χ^2/NDF:6844354.8/28

All: 170.996+/-0.025 χ^2/NDF: 10995755.9/52

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: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.018+/-0.082 χ^2/NDF: 24.5/17

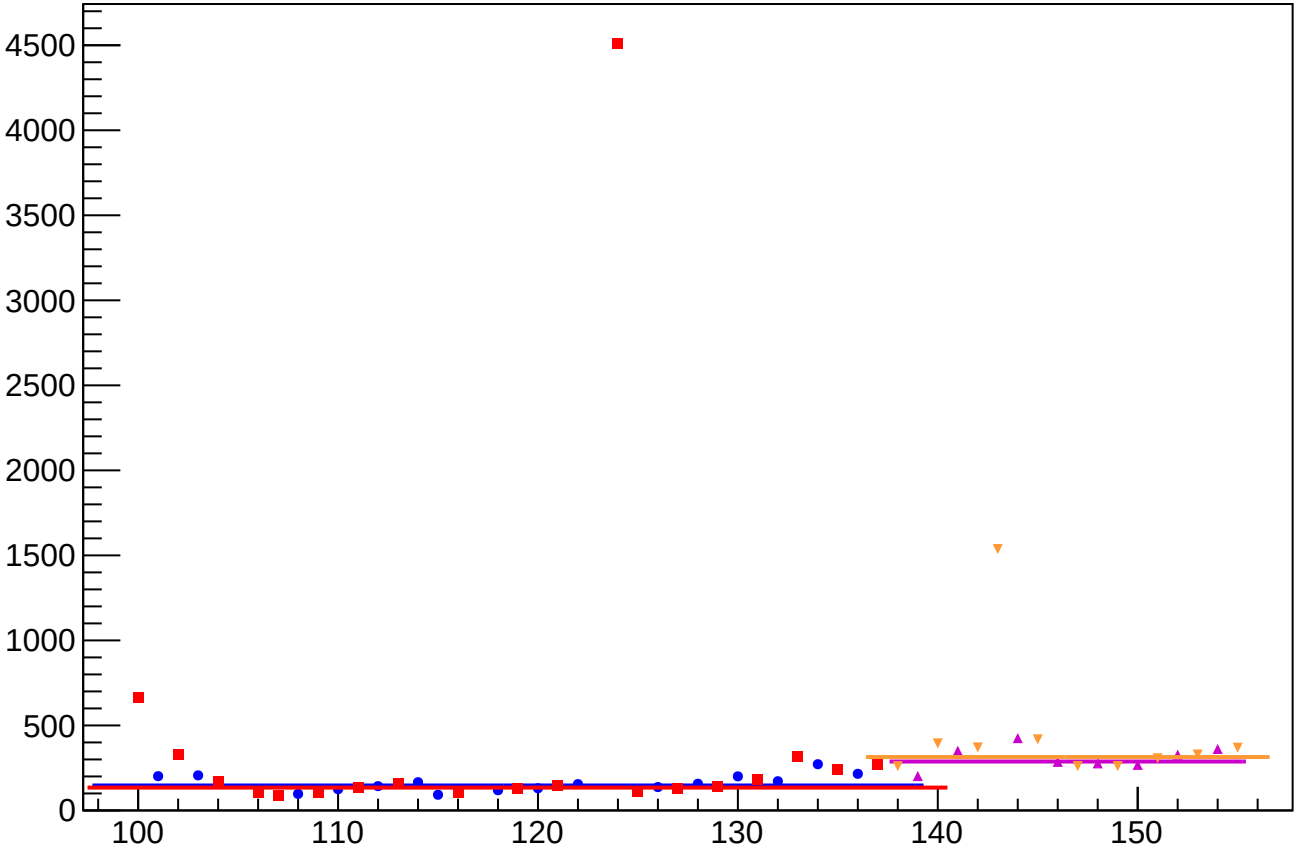
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.054+/-0.050 χ^2/NDF:32.0/28

All: -0.003+/-0.036 χ^2/NDF: 54.8/52

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: 314.096+/-0.084 χ^2/NDF:1457813.7/9

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 287.728+/-0.079 χ^2/NDF:624337.1/7

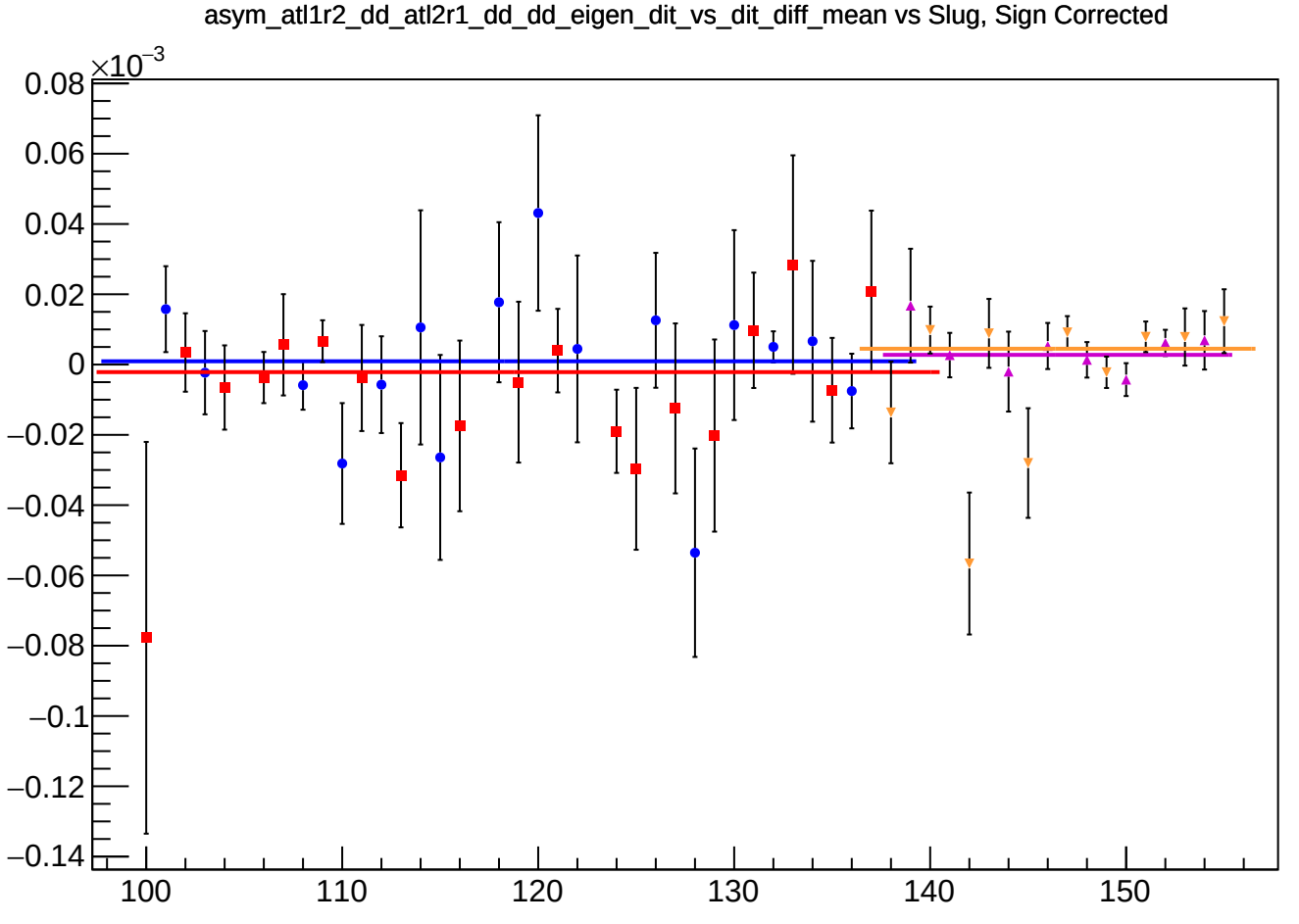
Left: 300.203+/-0.058 χ^2/NDF: 2134248.7/17

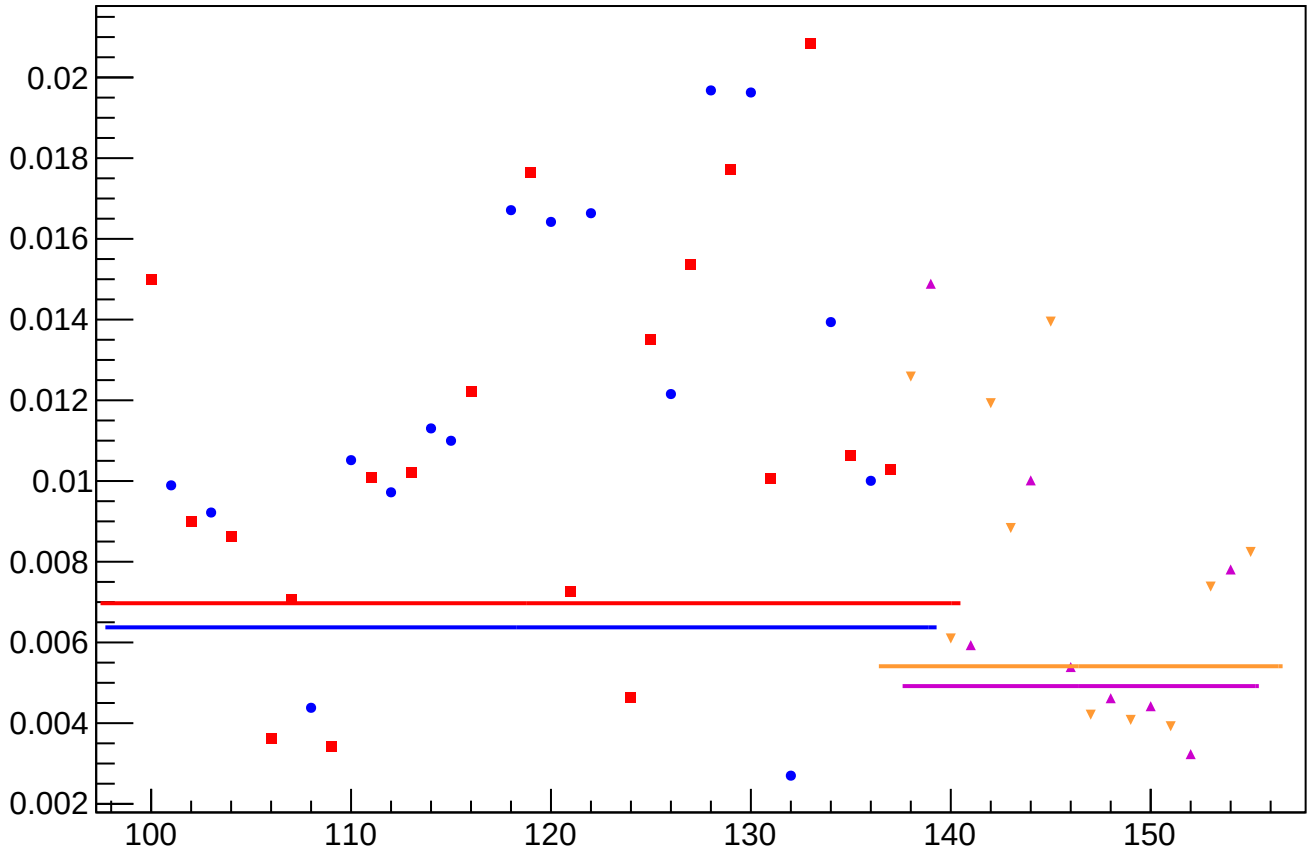
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 176.227+/-0.036 χ^2/NDF:4111129.1/23

Out: 166.085+/-0.035 χ^2/NDF:6844354.8/28

All: 170.996+/-0.025 χ^2/NDF: 10995755.9/52


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:20.7/9
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:4.5/7
Left: 0.000+/-0.000 χ²/NDF: 25.5/17
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:19.6/23
Out: 0.000+/-0.000 χ²/NDF:40.0/28
All: 0.000+/-0.000 χ²/NDF: 59.6/52



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2422742.1/9

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1899835.1/7

Left: 0.005+/-0.000 χ^2/NDF: 4377164.7/17

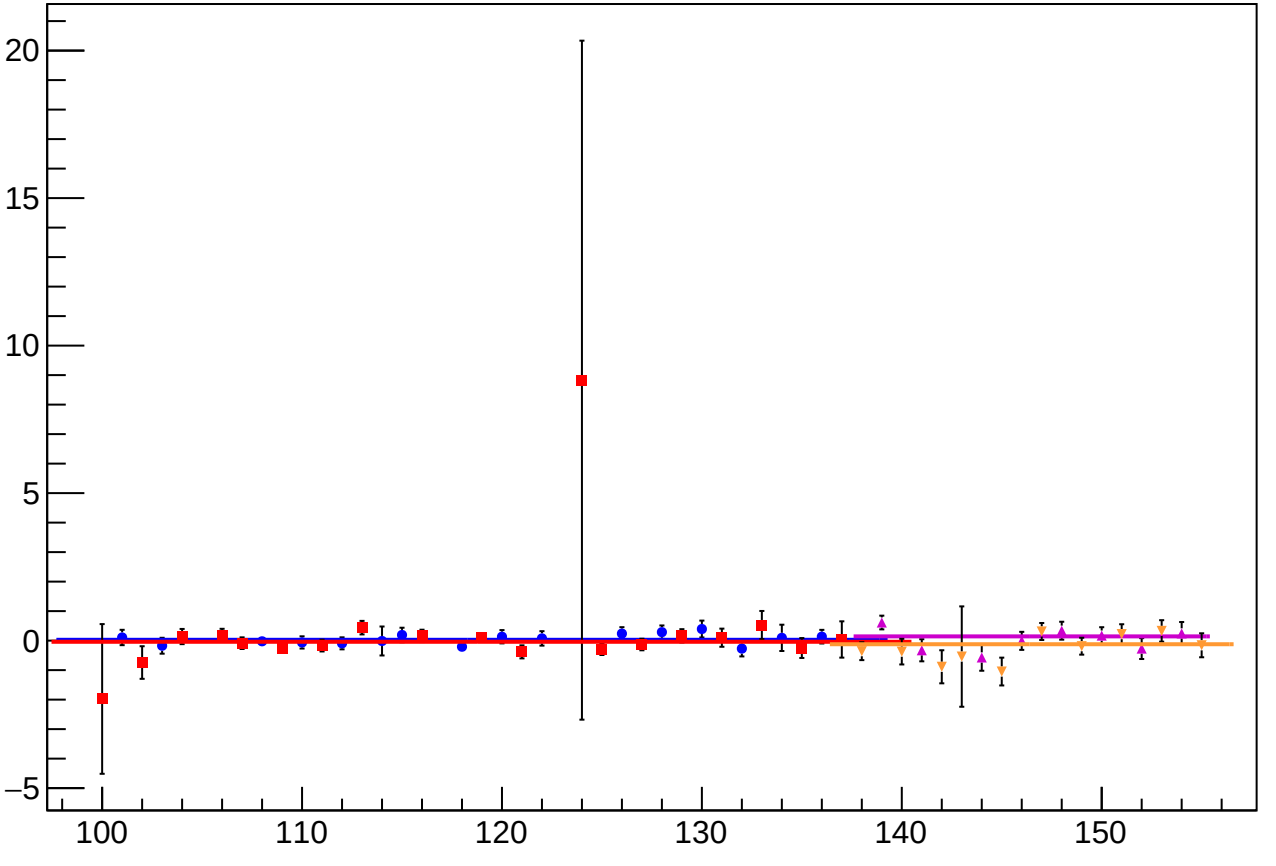
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:6868250.1/23

Out: 0.006+/-0.000 χ^2/NDF:6190932.1/28

All: 0.006+/-0.000 χ^2/NDF: 13151769.2/52

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: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.018+/-0.082 χ^2/NDF: 24.5/17

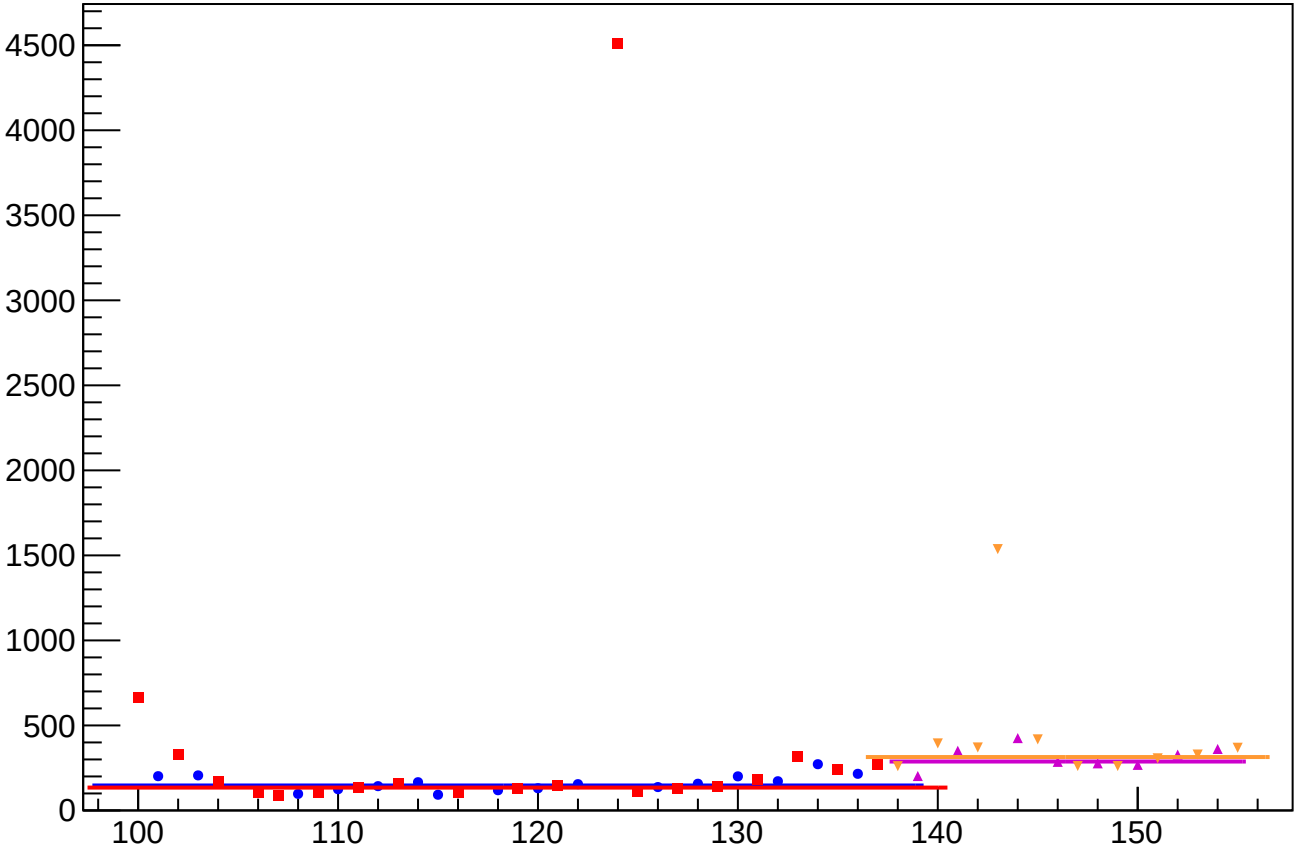
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.054+/-0.050 χ^2/NDF:32.0/28

All: -0.003+/-0.036 χ^2/NDF: 54.8/52

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: 314.099+/-0.084 χ^2/NDF:1457814.6/9

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 287.731+/-0.079 χ^2/NDF:624316.3/7

Left: 300.207+/-0.058 χ^2/NDF: 2134225.4/17

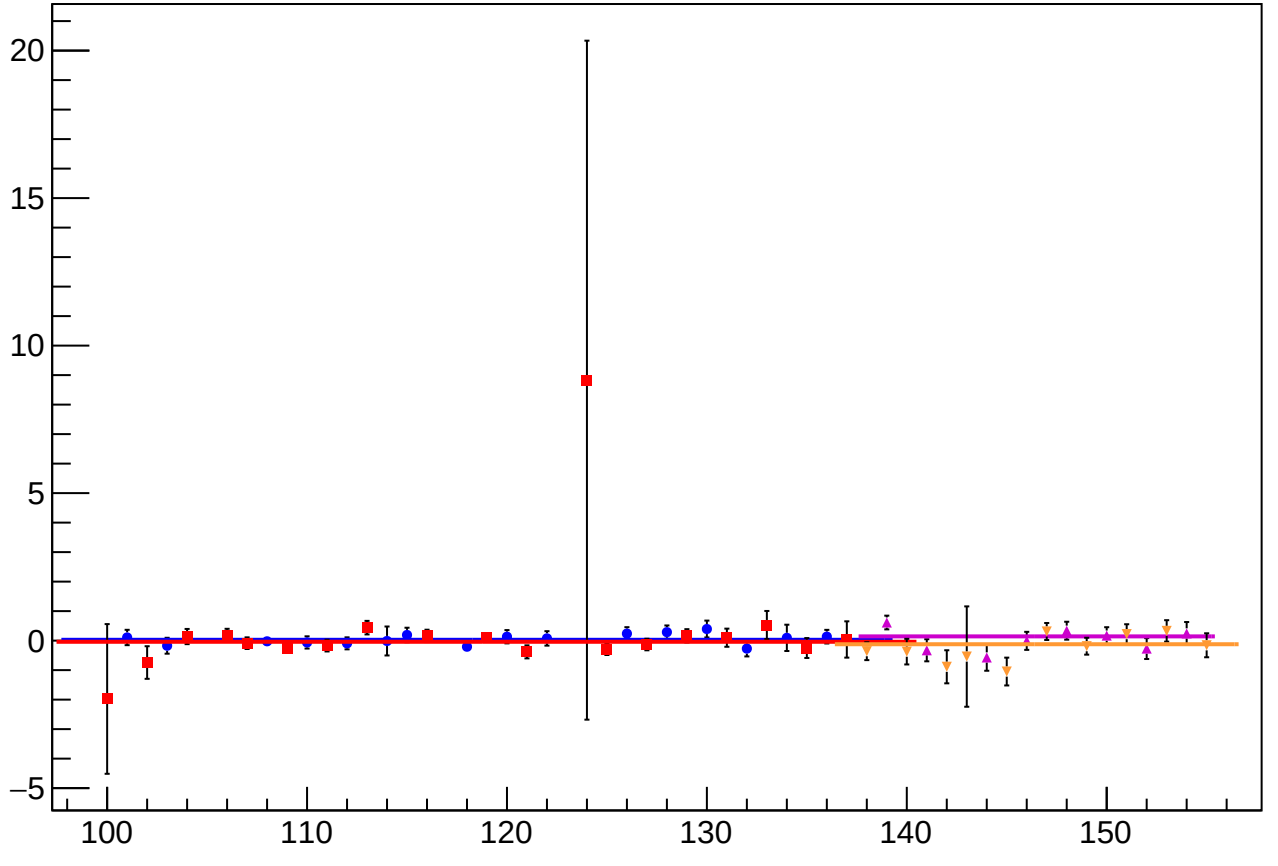
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 176.227+/-0.036 χ^2/NDF:4111141.1/23

Out: 166.087+/-0.035 χ^2/NDF:6844296.6/28

All: 170.996+/-0.025 χ^2/NDF: 10995698.6/52

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: -0.122+/-0.119 χ^2/NDF:11.6/9

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.144+/-0.112 χ^2/NDF:10.3/7

Left: 0.018+/-0.082 χ^2/NDF: 24.5/17

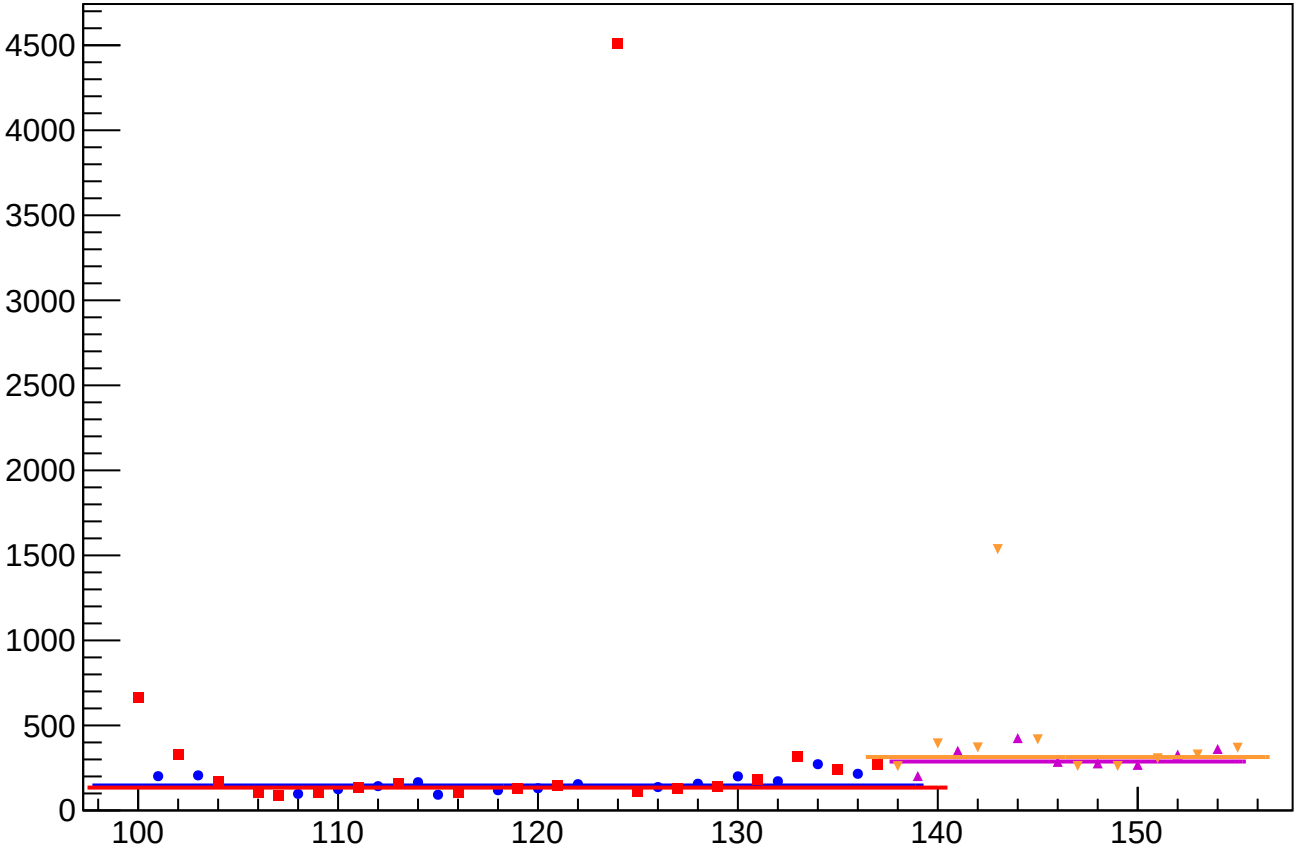
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.052+/-0.051 χ^2/NDF:20.5/23

Out: -0.054+/-0.050 χ^2/NDF:32.0/28

All: -0.003+/-0.036 χ^2/NDF: 54.8/52

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: 314.099+/-0.084 χ^2/NDF:1457814.6/9

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 287.731+/-0.079 χ^2/NDF:624316.3/7

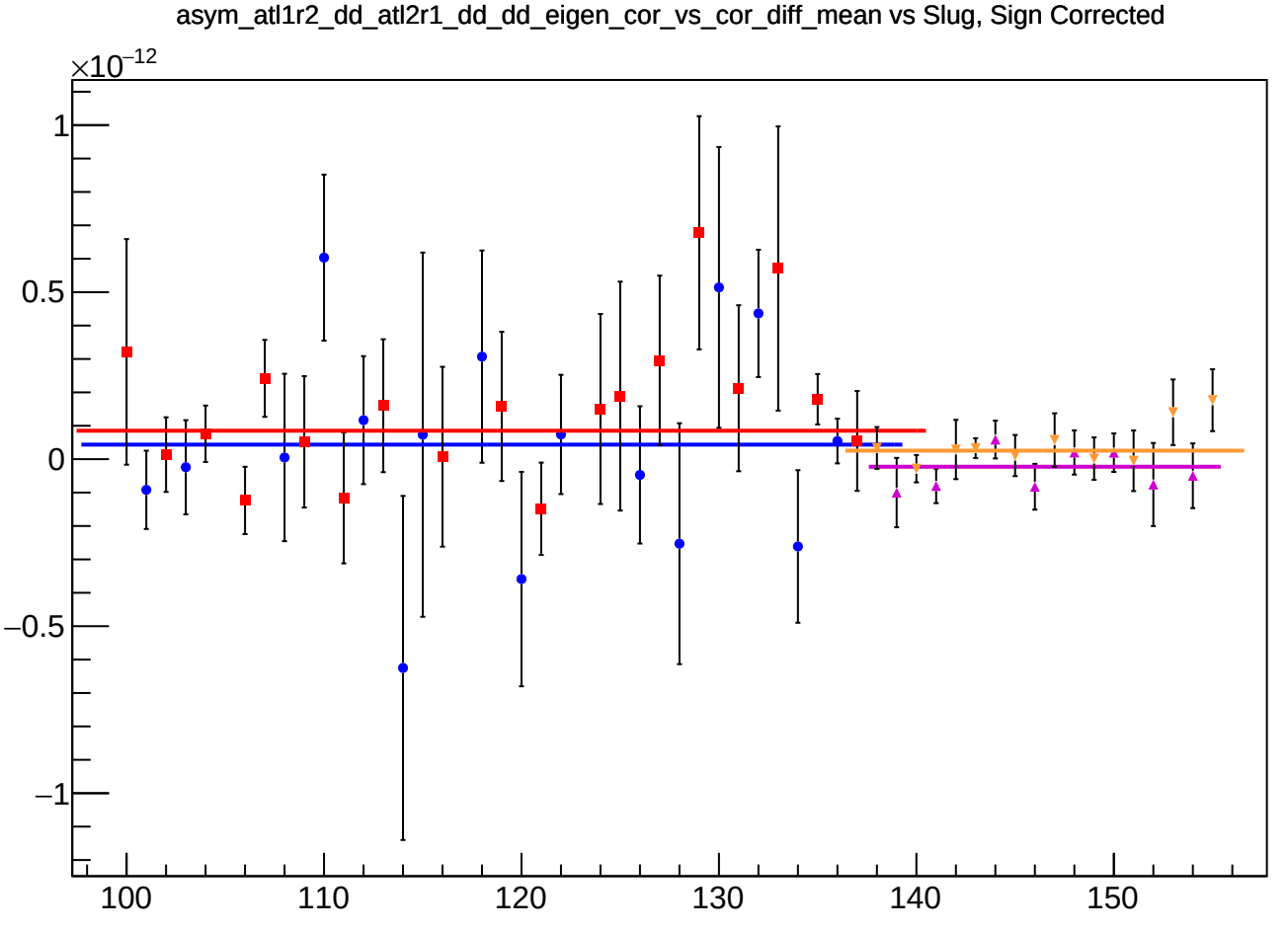
Left: 300.207+/-0.058 χ^2/NDF: 2134225.4/17

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 176.227+/-0.036 χ^2/NDF:4111141.1/23

Out: 166.087+/-0.035 χ^2/NDF:6844296.6/28

All: 170.996+/-0.025 χ^2/NDF: 10995698.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/7

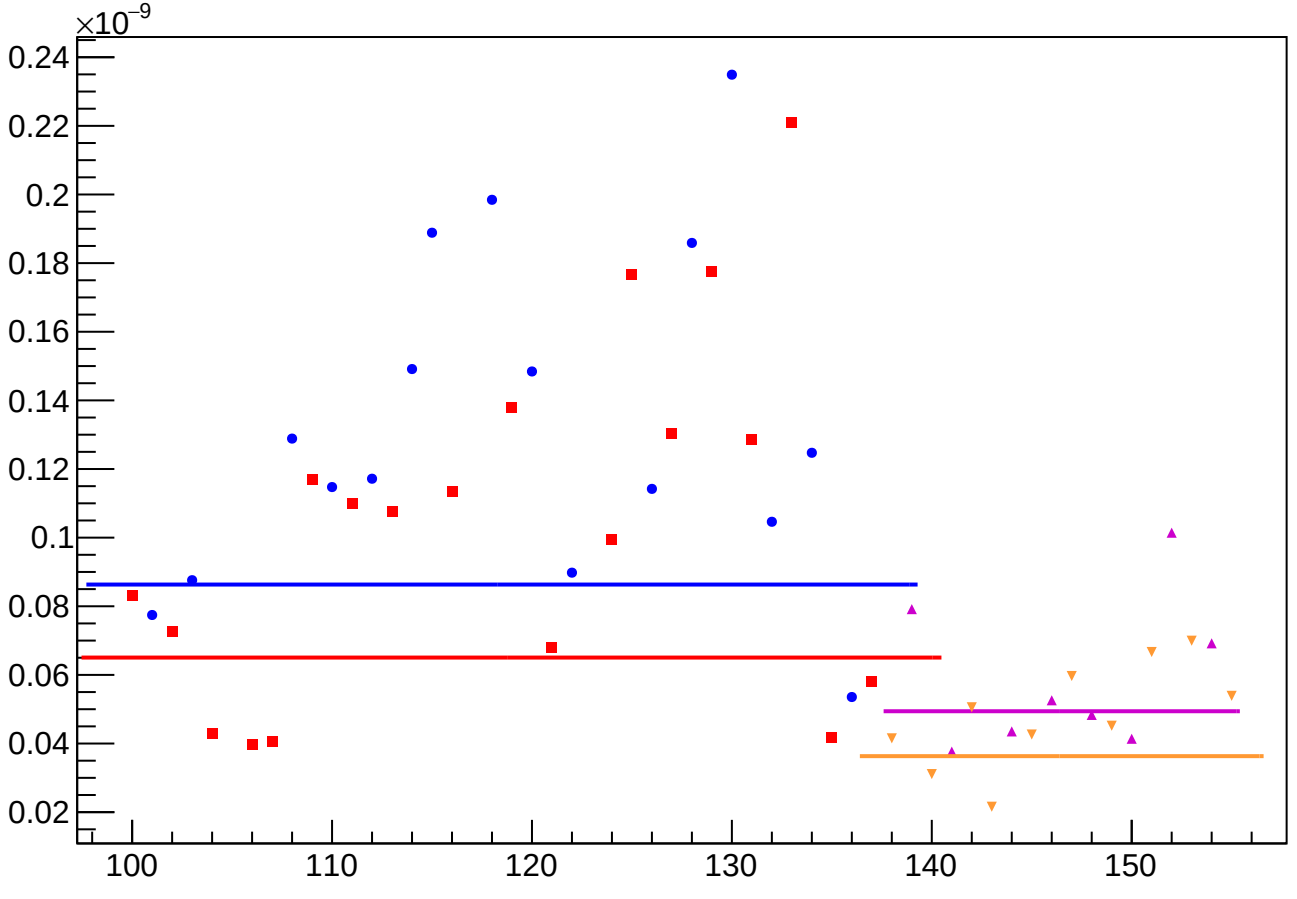
Left: 0.000+/-0.000 χ^2/NDF: 14.7/17

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.6/23

Out: 0.000+/-0.000 χ^2/NDF:26.9/28

All: 0.000+/-0.000 χ^2/NDF: 56.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1354172.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:767201.4/7

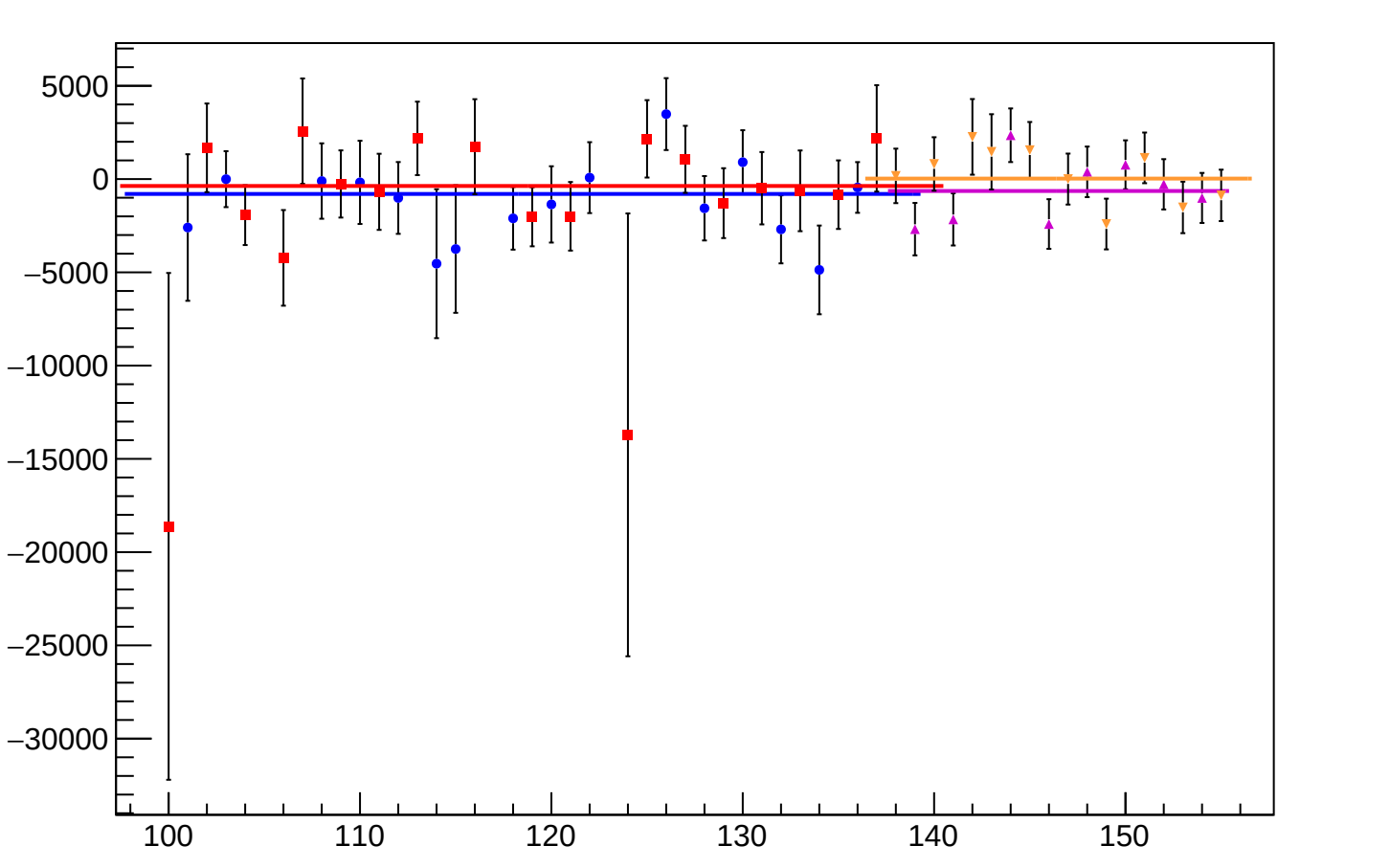
Left: 0.000+/-0.000 χ^2/NDF: 2498044.3/17

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3460936.3/23

Out: 0.000+/-0.000 χ^2/NDF:4620015.8/28

All: 0.000+/-0.000 χ^2/NDF: 8810440.0/52



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 25.755+/-468.741 χ^2/NDF:8.6/9

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -638.924+/-482.336 χ^2/NDF:11.3/7

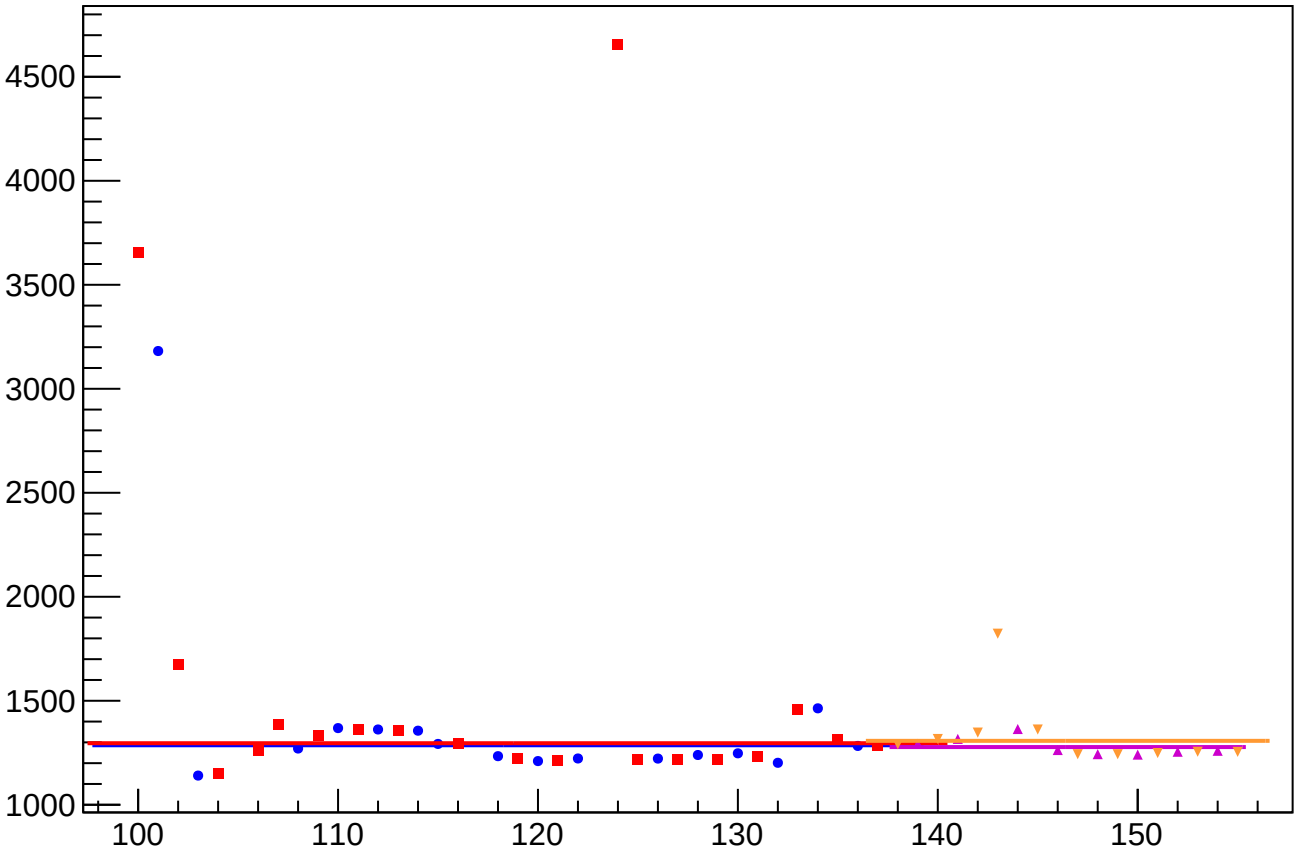
Left: -297.085+/-336.153 χ^2/NDF: 20.8/17

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -717.269+/-342.858 χ^2/NDF:24.7/23

Out: -165.047+/-337.328 χ^2/NDF:24.6/28

All: -436.668+/-240.458 χ^2/NDF: 50.6/52



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1307.359+/-0.331 χ^2/NDF:152603.2/9

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1277.444+/-0.341 χ^2/NDF:13042.0/7

Left: 1292.829+/-0.238 χ^2/NDF: 169601.6/17

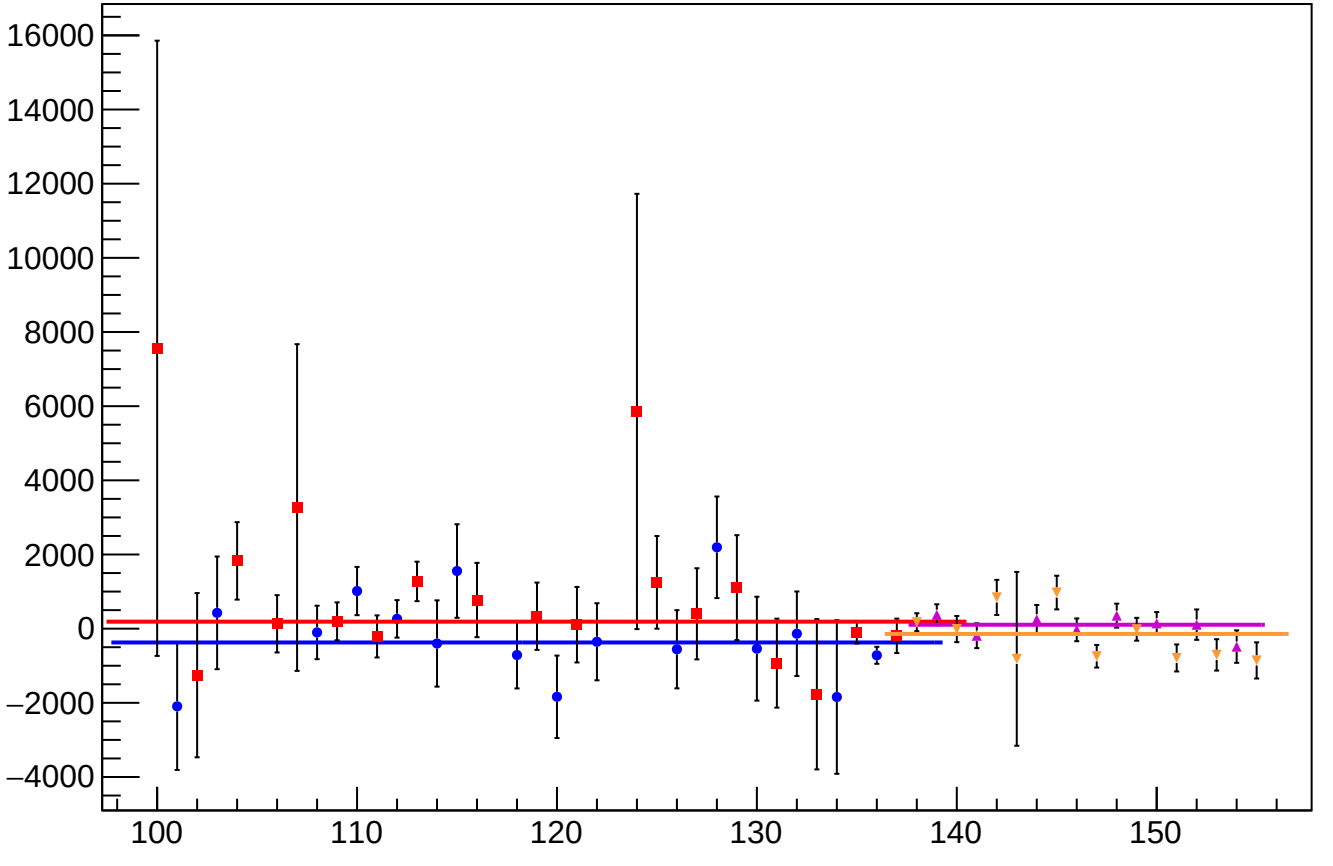
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1281.725+/-0.242 χ^2/NDF:531487.4/23

Out: 1301.855+/-0.239 χ^2/NDF:481245.0/28

All: 1291.954+/-0.170 χ^2/NDF: 1016235.6/52

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: -142.165+/-116.781 χ^2/NDF:23.5/9

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 105.612+/-119.290 χ^2/NDF:4.4/7

Left: -20.909+/-83.450 χ^2/NDF: 30.1/17

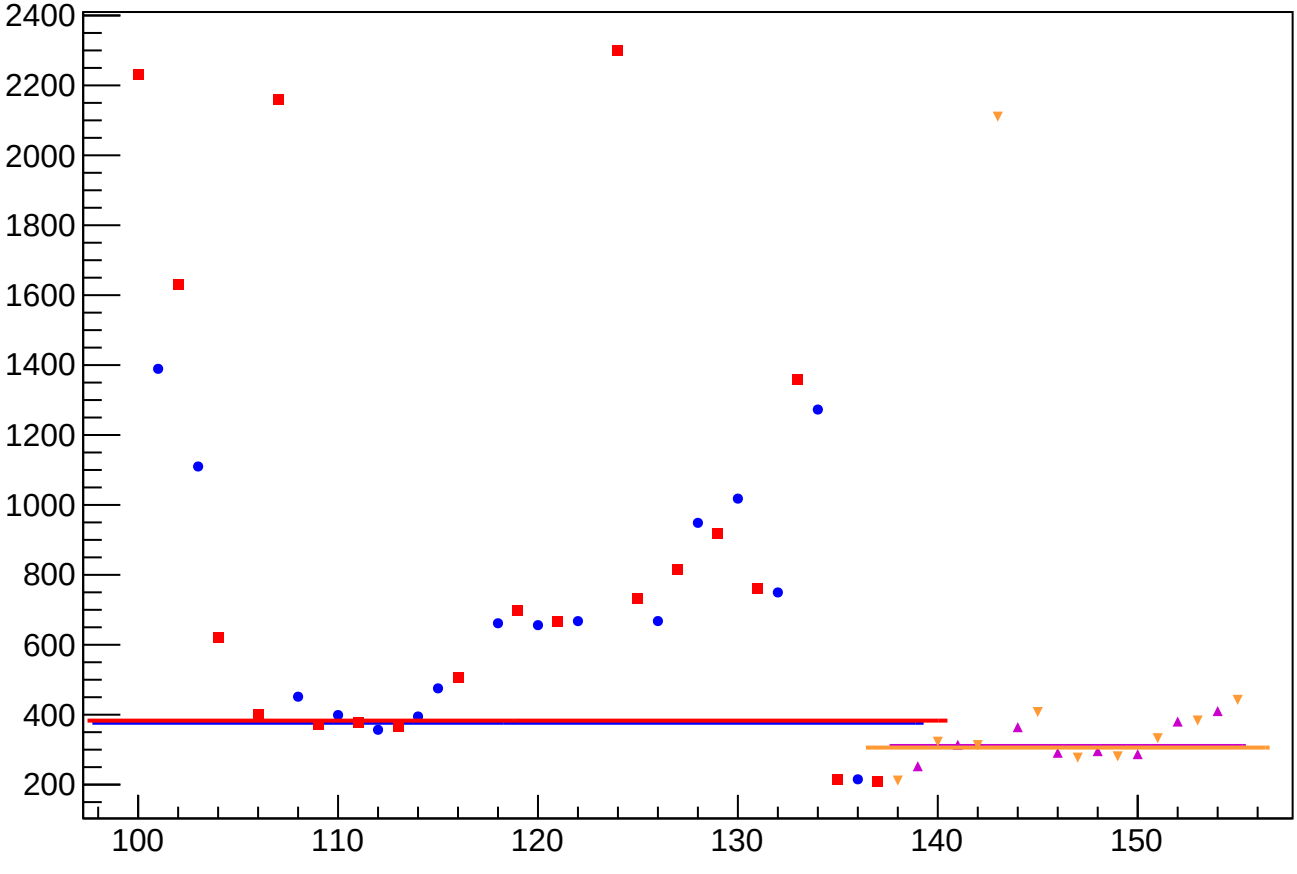
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -54.328+/-97.304 χ^2/NDF:28.0/23

Out: -35.648+/-96.180 χ^2/NDF:40.7/28

All: -44.880+/-68.403 χ^2/NDF: 68.7/52

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: 305.954+/-0.083 χ^2/NDF:1861790.7/9

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 310.564+/-0.084 χ^2/NDF:309025.7/7

Left: 308.210+/-0.059 χ^2/NDF: 2172341.7/17

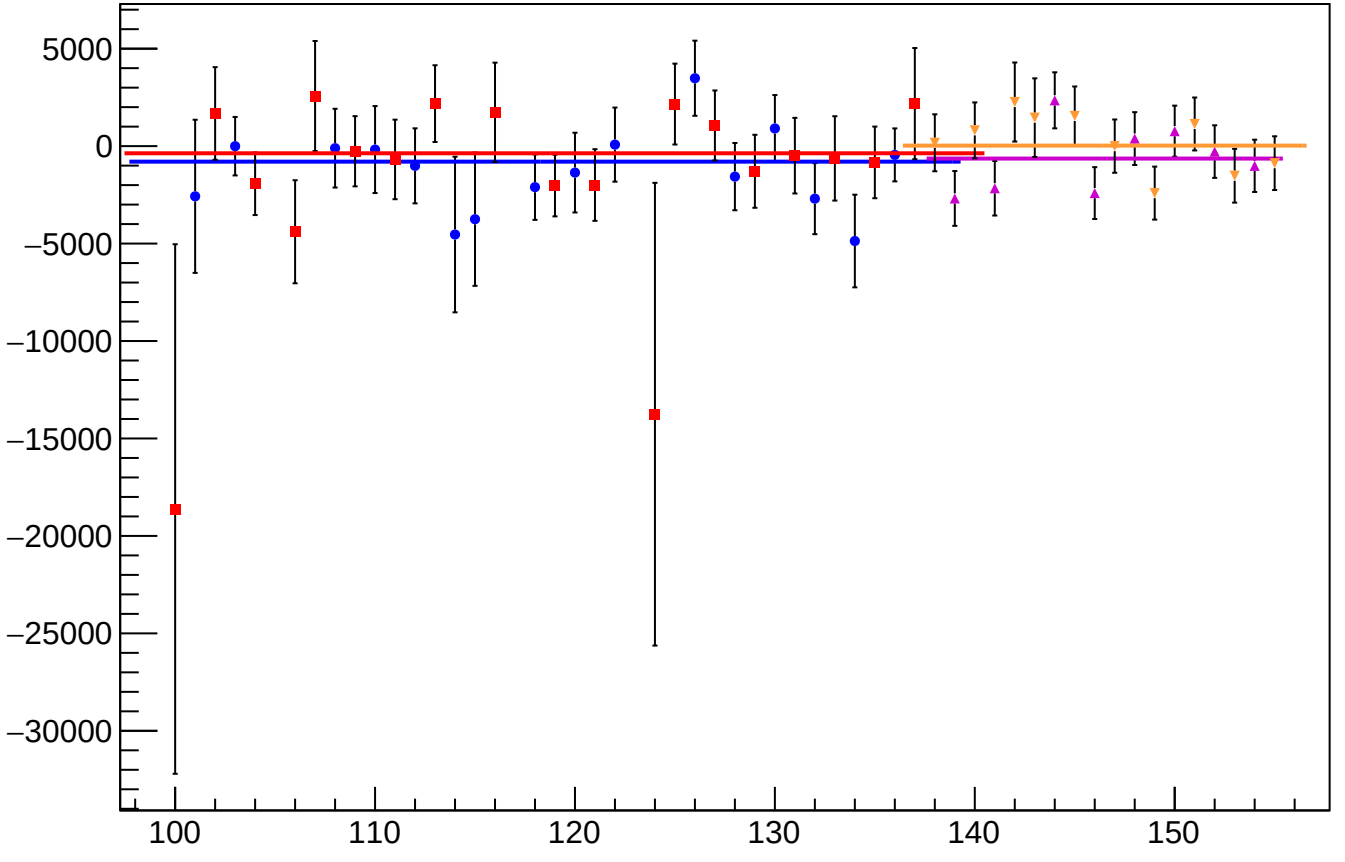
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 332.761+/-0.069 χ^2/NDF:4706142.4/23

Out: 330.763+/-0.068 χ^2/NDF:6196492.4/28

All: 331.751+/-0.048 χ^2/NDF: 10903061.1/52

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: 25.770+/-468.741 χ^2/NDF:8.6/9

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -638.878+/-482.336 χ^2/NDF:11.3/7

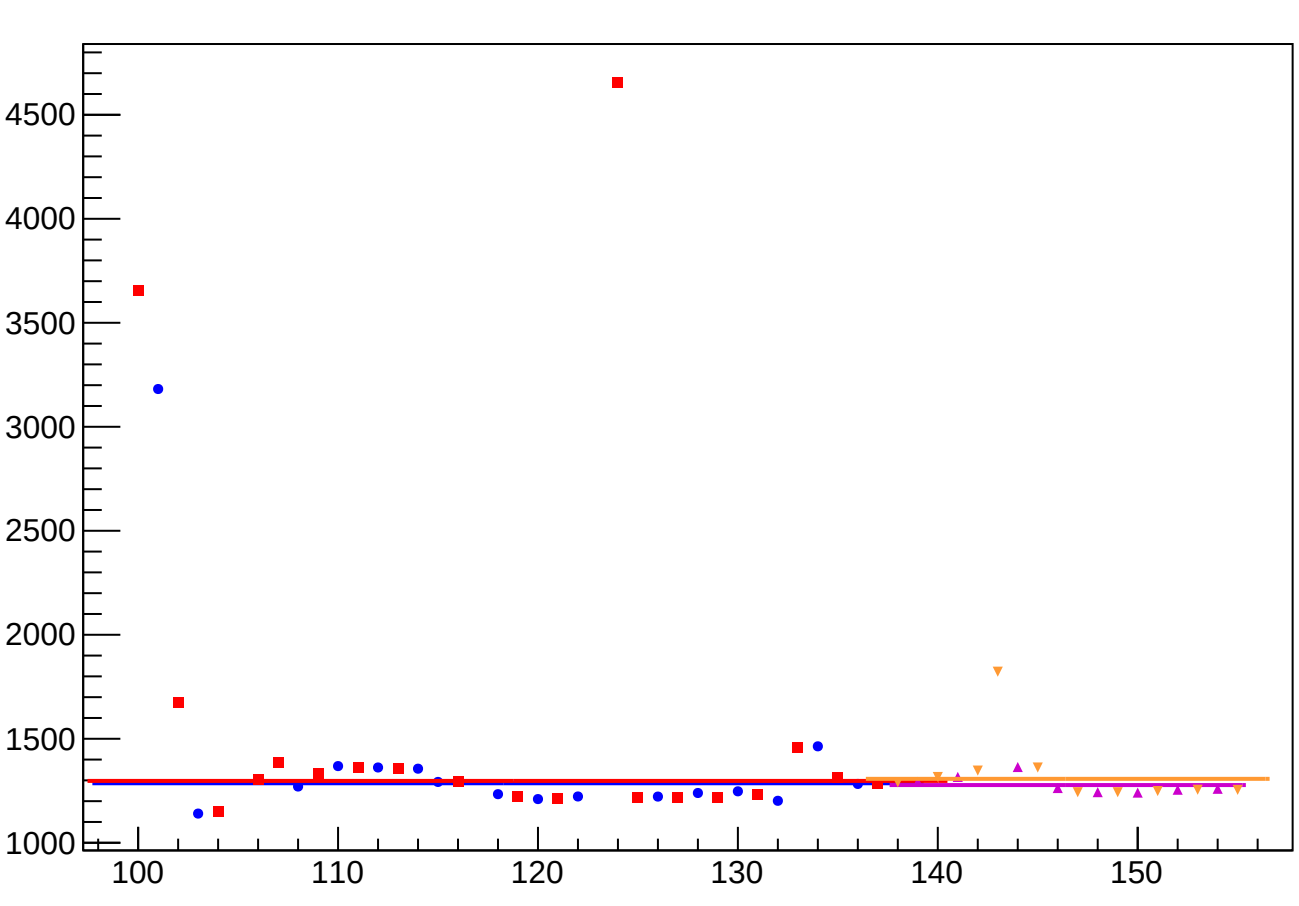
Left: -297.055+/-336.153 χ^2/NDF: 20.8/17

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -717.047+/-342.858 χ^2/NDF:24.7/23

Out: -163.606+/-337.503 χ^2/NDF:24.6/28

All: -435.971+/-240.522 χ^2/NDF: 50.7/52



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1307.359+/-0.331 χ^2/NDF:152603.2/9

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1277.444+/-0.341 χ^2/NDF:13042.0/7

Left: 1292.829+/-0.238 χ^2/NDF: 169601.6/17

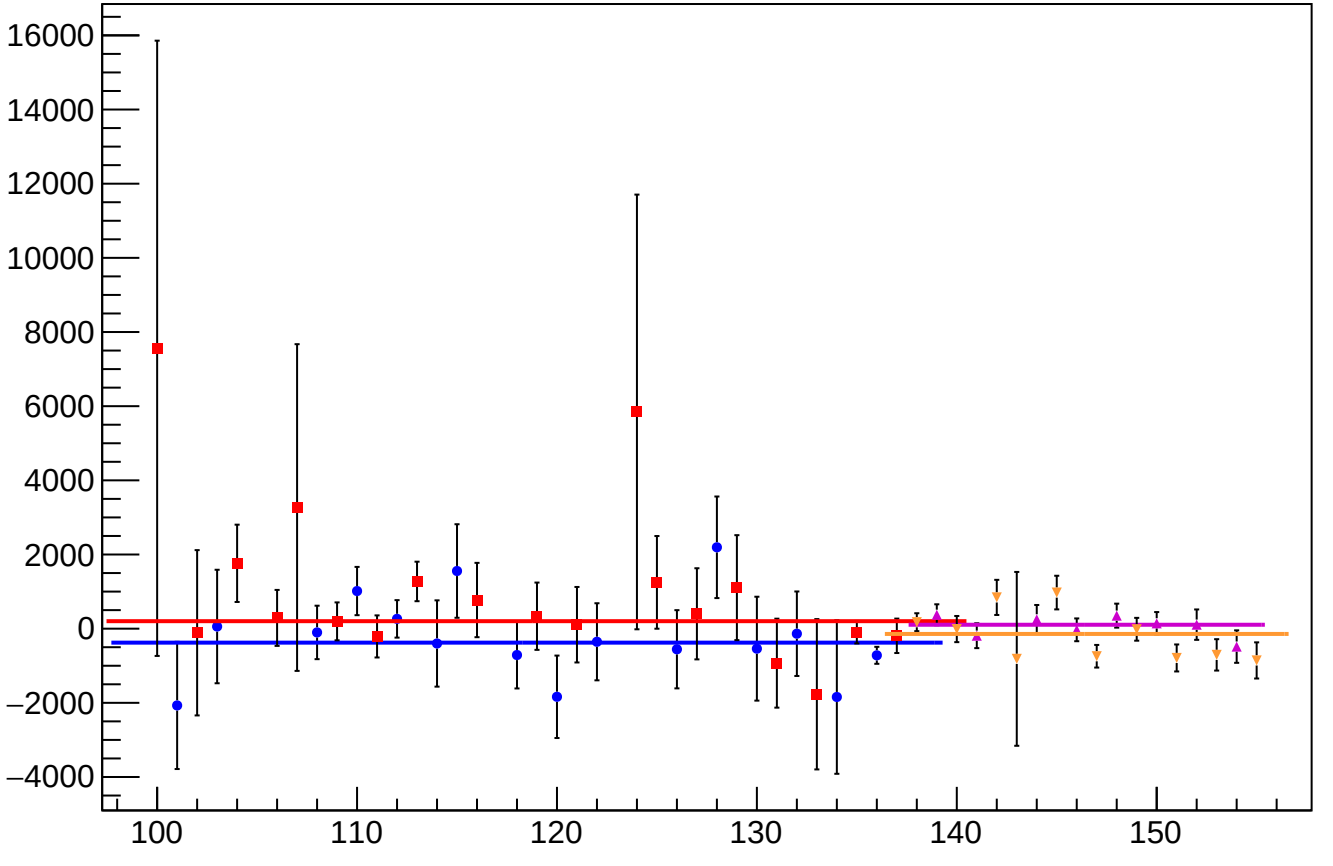
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1281.725+/-0.242 χ^2/NDF:531488.8/23

Out: 1302.560+/-0.239 χ^2/NDF:480780.2/28

All: 1292.306+/-0.170 χ^2/NDF: 1016019.9/52

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: -142.182+/-116.785 χ^2/NDF:23.5/9

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 105.646+/-119.289 χ^2/NDF:4.4/7

Left: -20.897+/-83.451 χ^2/NDF: 30.1/17

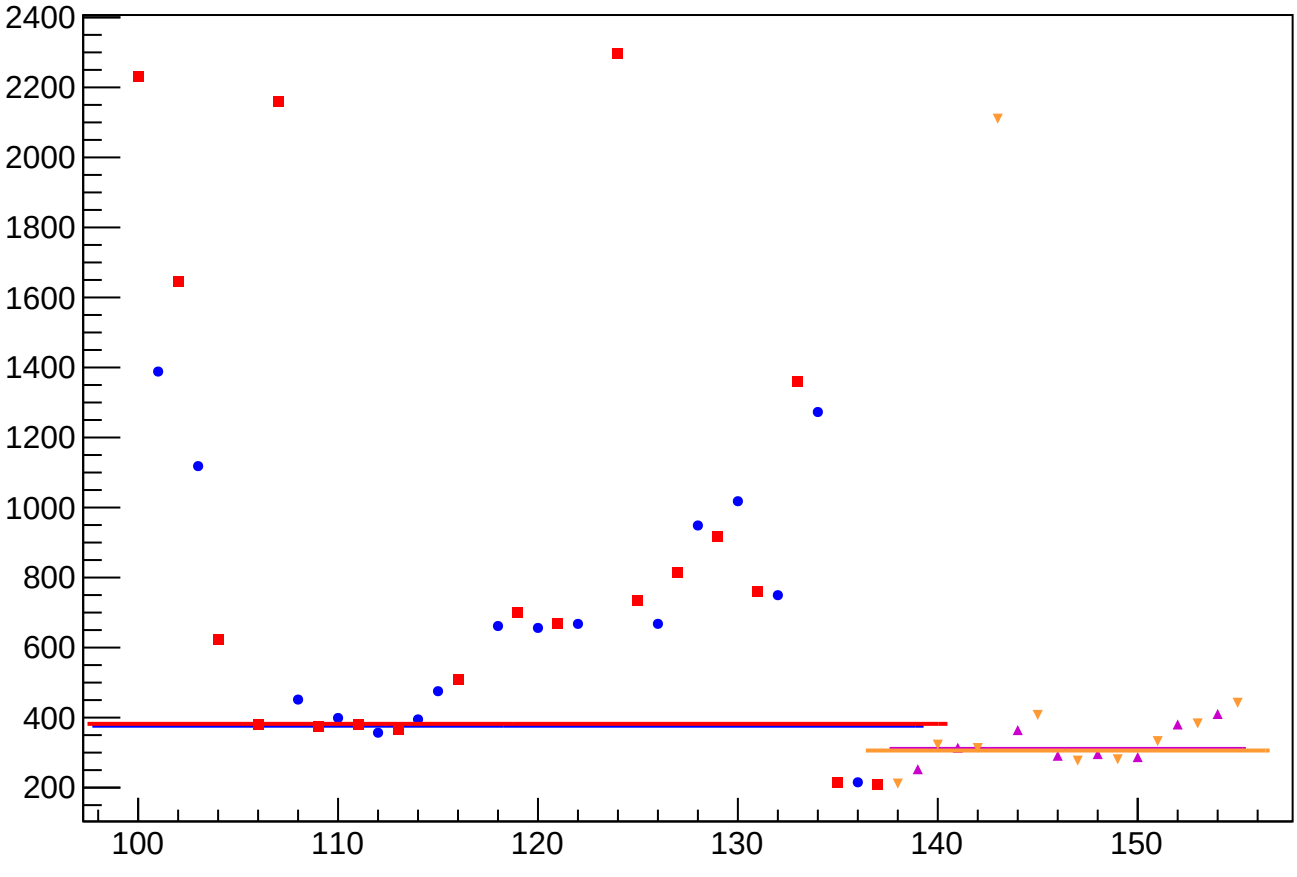
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -55.767+/-97.307 χ^2/NDF:27.8/23

Out: -31.234+/-96.146 χ^2/NDF:40.3/28

All: -43.353+/-68.392 χ^2/NDF: 68.2/52

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 305.964+/-0.083 χ^2/NDF:1861726.1/9

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 310.563+/-0.084 χ^2/NDF:309059.4/7

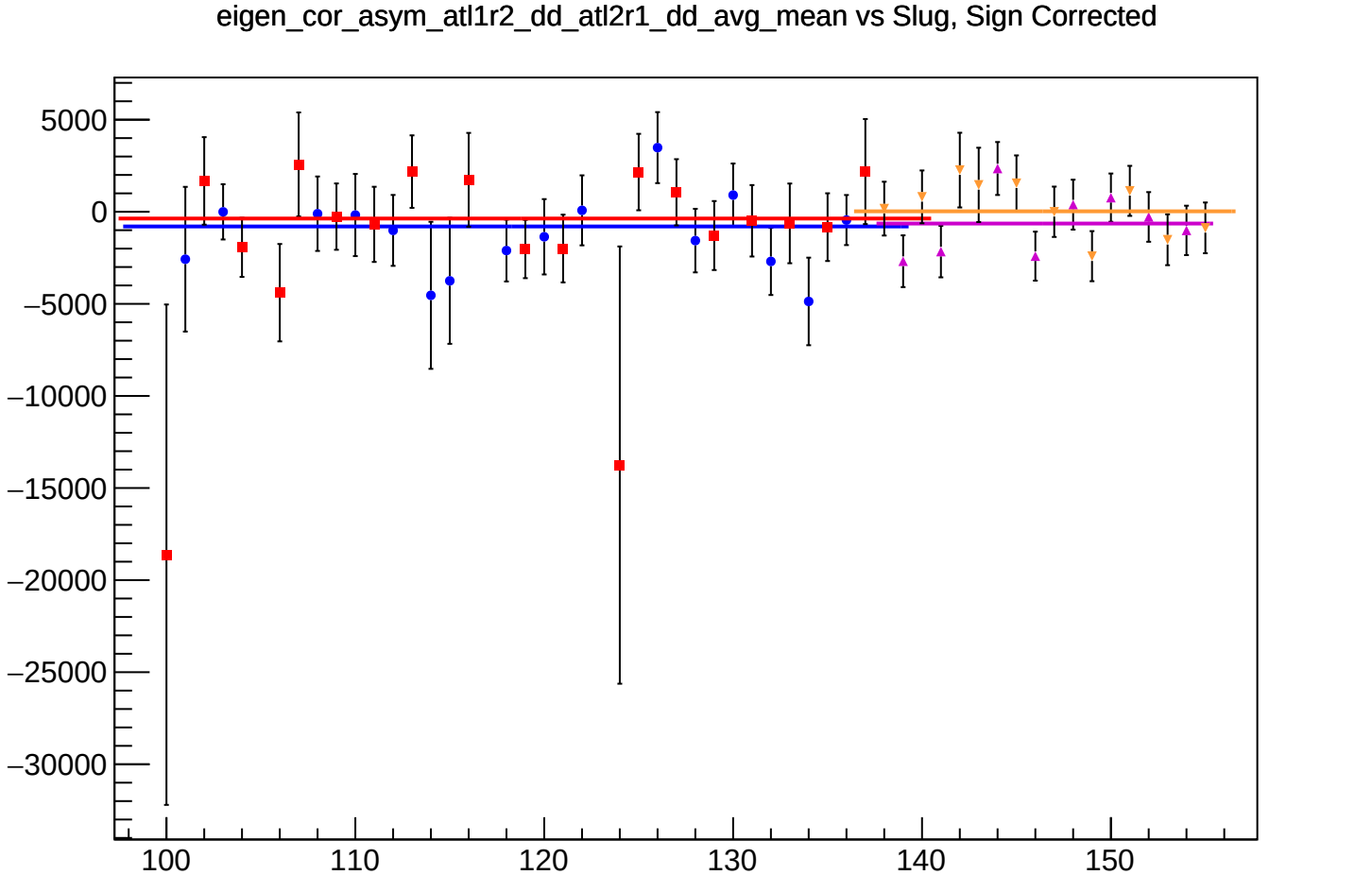
Left: 308.215+/-0.059 χ^2/NDF: 2172303.1/17

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 332.753+/-0.069 χ^2/NDF:4709234.7/23

Out: 330.508+/-0.068 χ^2/NDF:6195482.6/28

All: 331.617+/-0.048 χ^2/NDF: 10905256.1/52



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 25.770+/-468.741 χ^2/NDF:8.6/9

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -638.878+/-482.336 χ^2/NDF:11.3/7

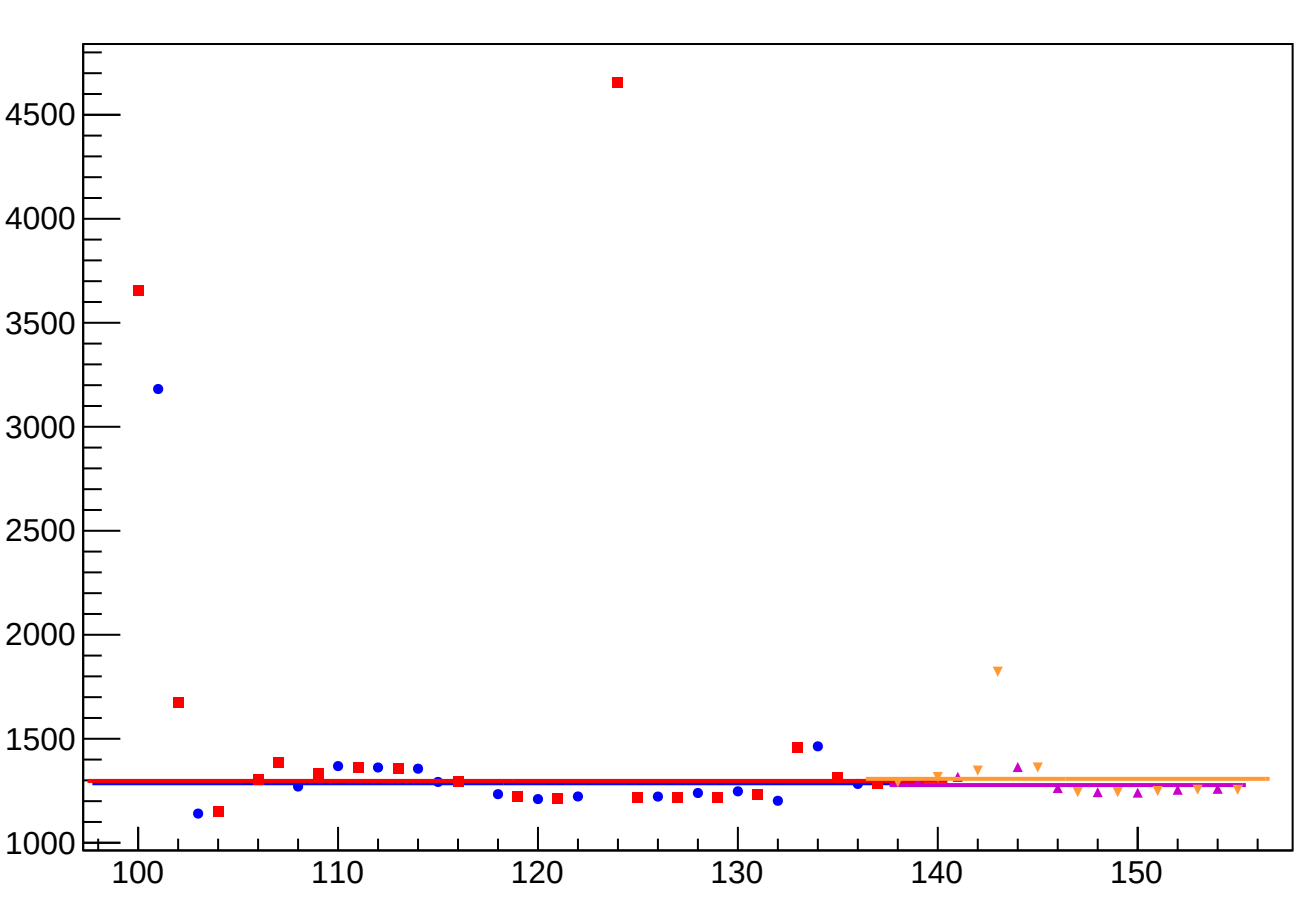
Left: -297.055+/-336.153 χ^2/NDF: 20.8/17

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -717.047+/-342.858 χ^2/NDF:24.7/23

Out: -163.606+/-337.503 χ^2/NDF:24.6/28

All: -435.971+/-240.522 χ^2/NDF: 50.7/52



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1307.359+/-0.331 χ^2/NDF:152603.2/9

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1277.444+/-0.341 χ^2/NDF:13042.0/7

Left: 1292.829+/-0.238 χ^2/NDF: 169601.6/17

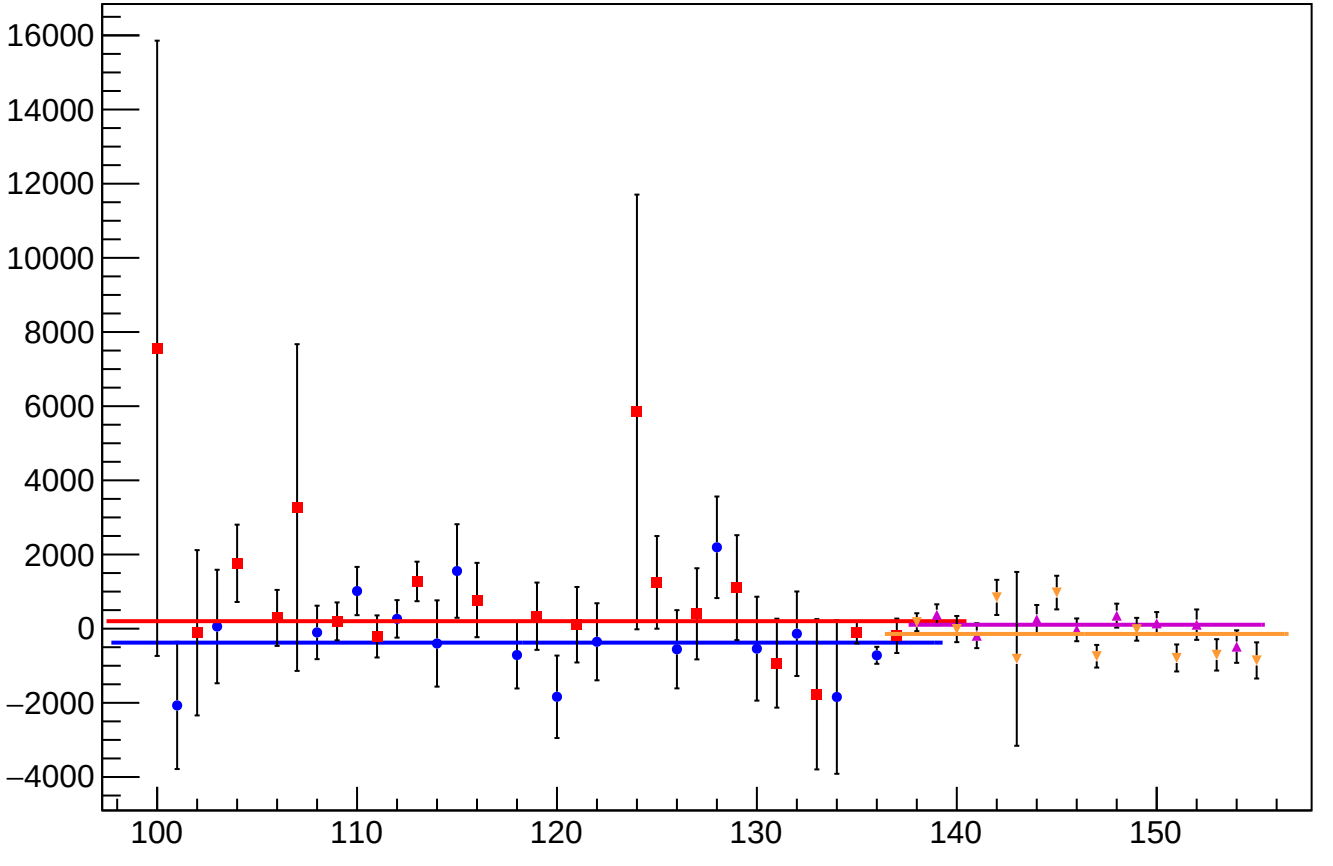
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1281.725+/-0.242 χ^2/NDF:531488.8/23

Out: 1302.560+/-0.239 χ^2/NDF:480780.2/28

All: 1292.306+/-0.170 χ^2/NDF: 1016019.9/52

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: -142.182+/-116.785 χ^2/NDF:23.5/9

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 105.646+/-119.289 χ^2/NDF:4.4/7

Left: -20.897+/-83.451 χ^2/NDF: 30.1/17

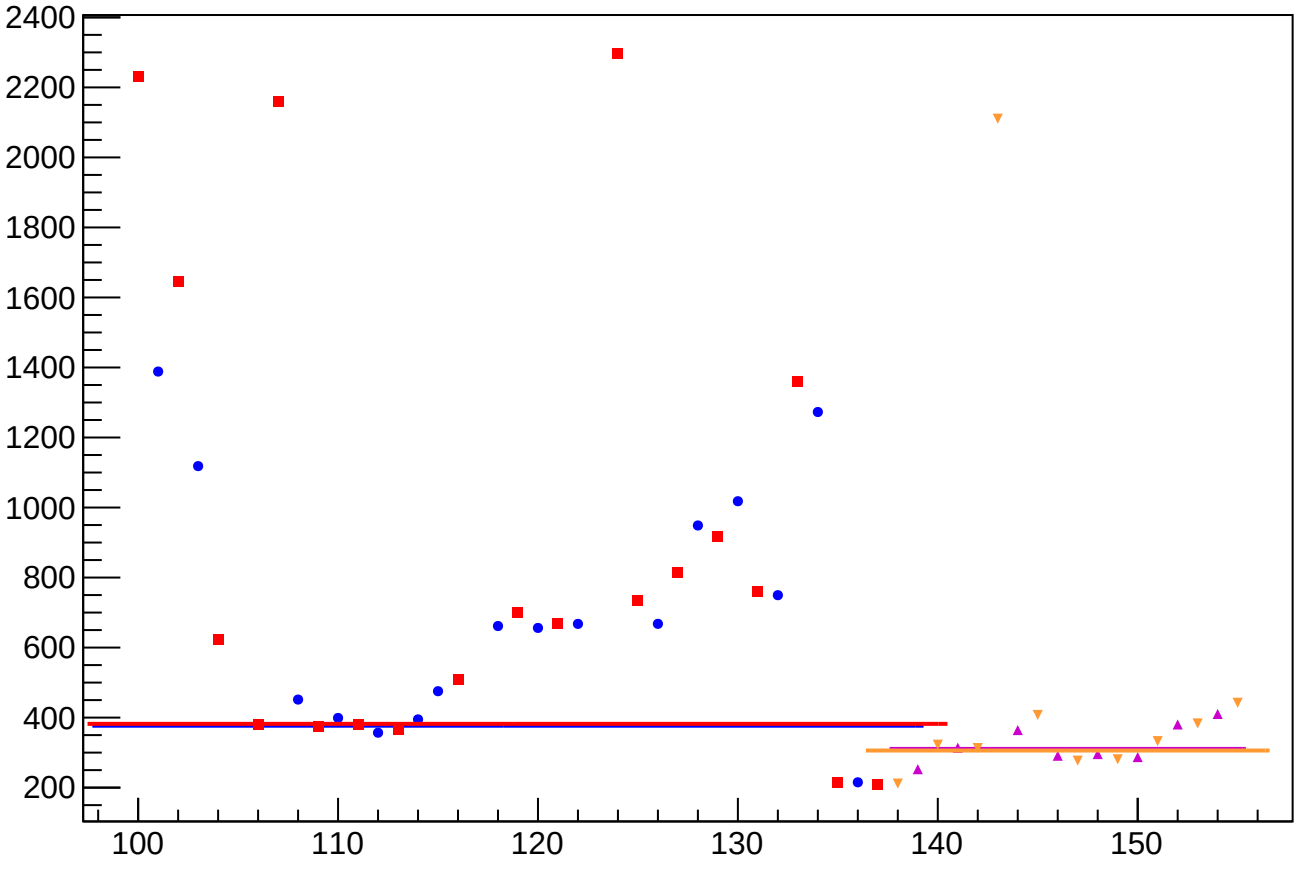
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -55.767+/-97.307 χ^2/NDF:27.8/23

Out: -31.234+/-96.146 χ^2/NDF:40.3/28

All: -43.353+/-68.392 χ^2/NDF: 68.2/52

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: 305.964+/-0.083 χ^2/NDF:1861726.1/9

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 310.563+/-0.084 χ^2/NDF:309059.4/7

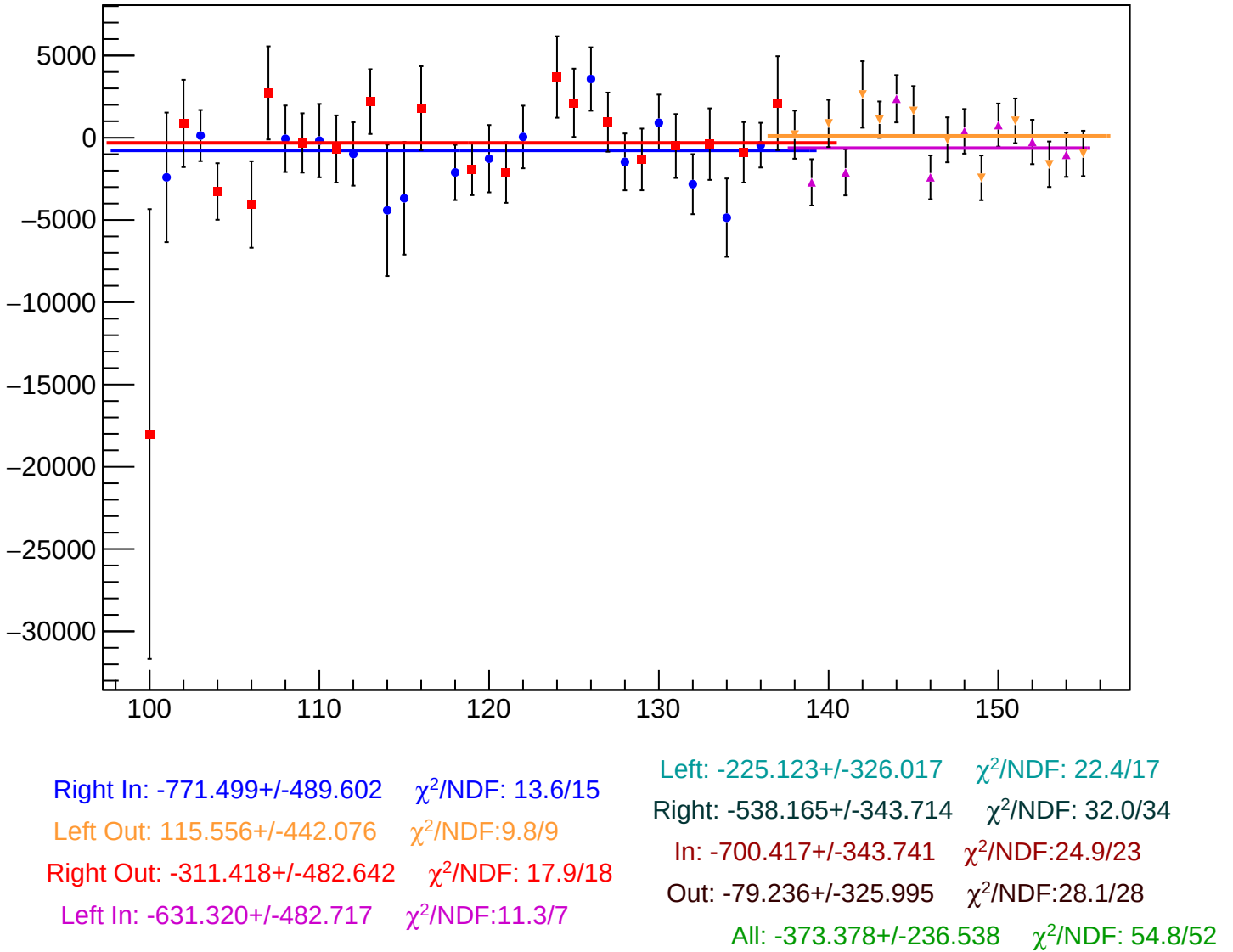
Left: 308.215+/-0.059 χ^2/NDF: 2172303.1/17

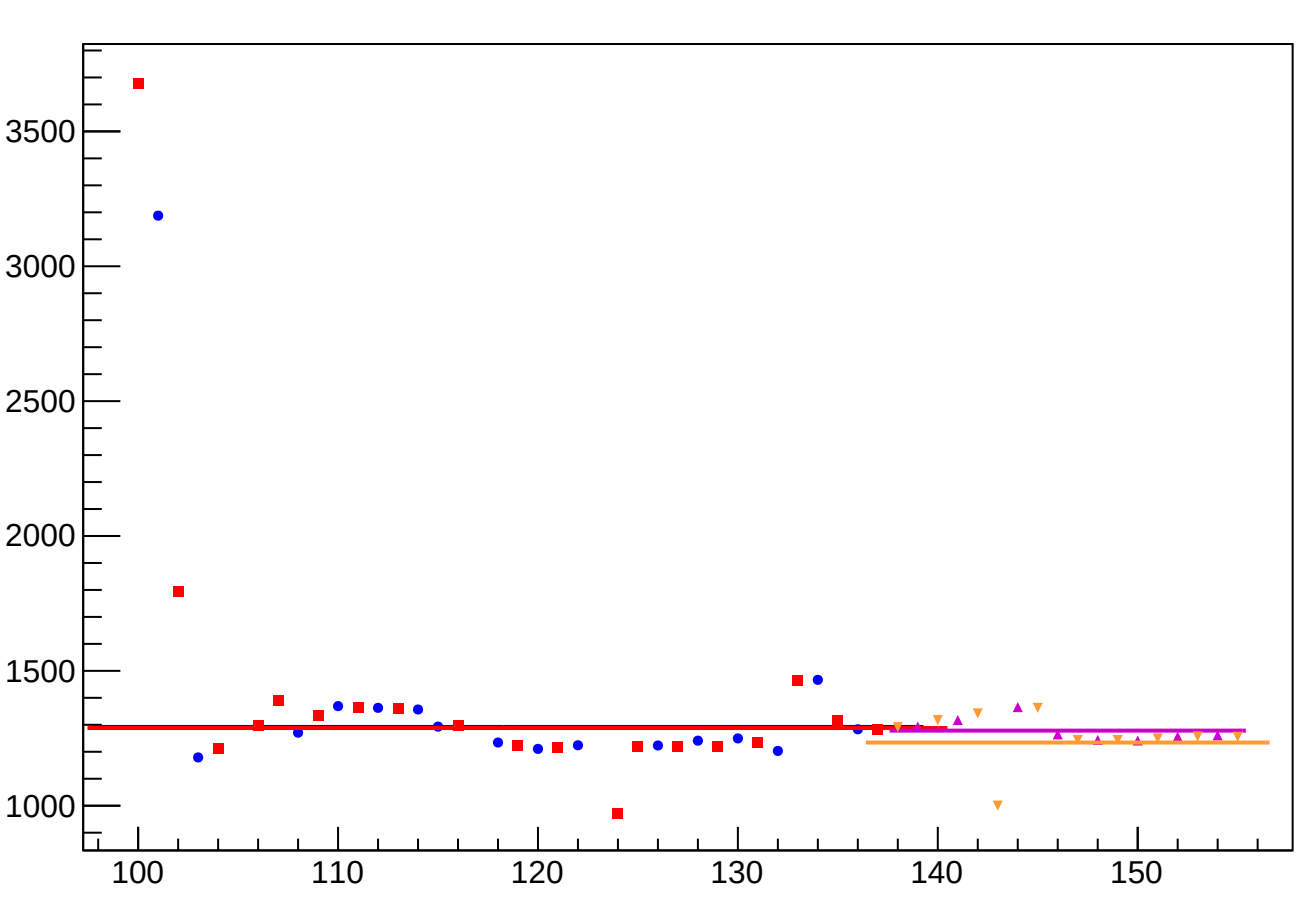
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 332.753+/-0.069 χ^2/NDF:4709234.7/23

Out: 330.508+/-0.068 χ^2/NDF:6195482.6/28

All: 331.617+/-0.048 χ^2/NDF: 10905256.1/52


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 115.556+/-442.076 χ²/NDF:9.8/9
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -631.320+/-482.717 χ²/NDF:11.3/7
Left: -225.123+/-326.017 χ²/NDF: 22.4/17
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -700.417+/-343.741 χ²/NDF:24.9/23
Out: -79.236+/-325.995 χ²/NDF:28.1/28
All: -373.378+/-236.538 χ²/NDF: 54.8/52



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1234.214+/-0.313 χ^2/NDF:120601.0/9

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1278.445+/-0.341 χ^2/NDF:13106.8/7

Left: 1254.389+/-0.231 χ^2/NDF: 142840.3/17

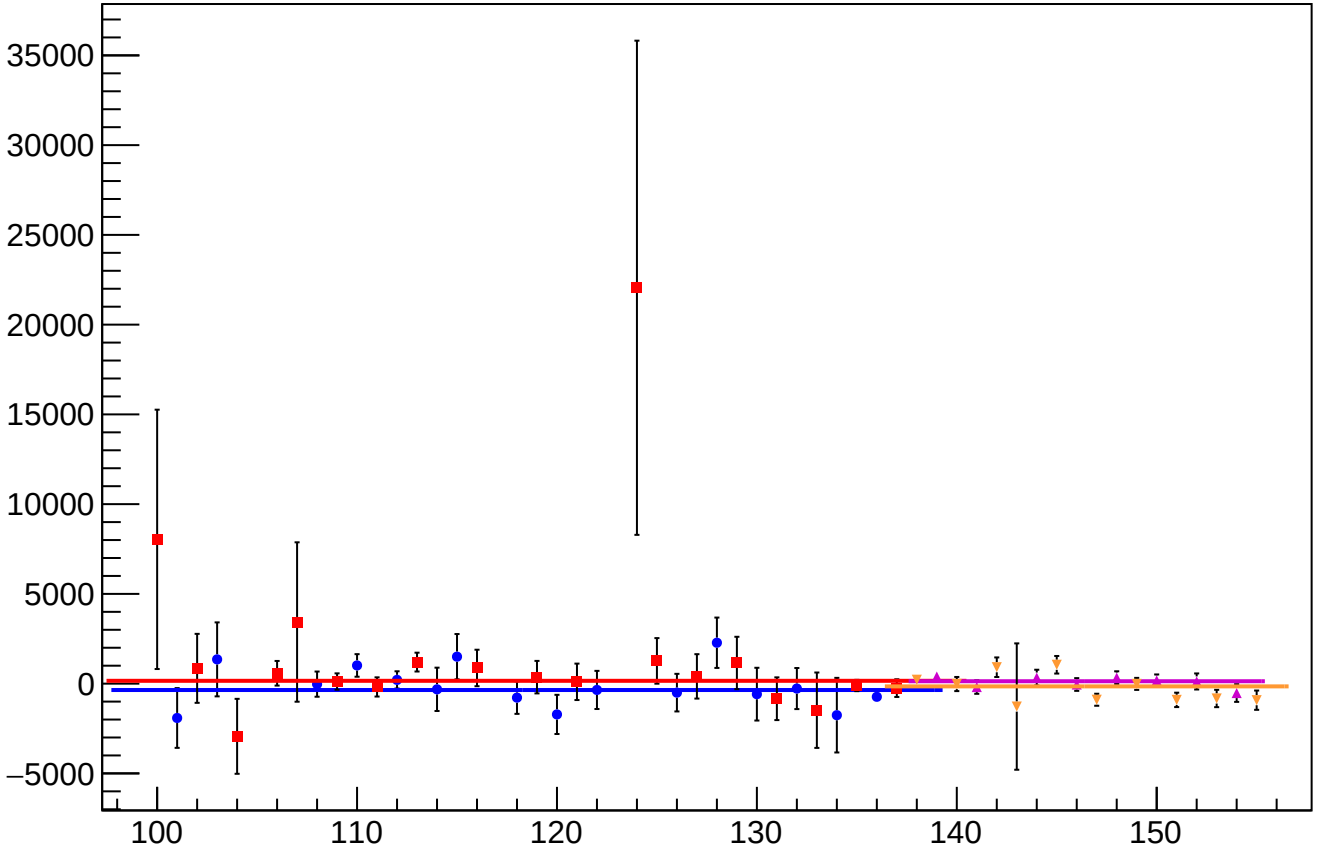
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1285.145+/-0.243 χ^2/NDF:523294.8/23

Out: 1258.747+/-0.231 χ^2/NDF:343310.7/28

All: 1271.247+/-0.167 χ^2/NDF: 872815.8/52

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: -152.579+/-126.272 χ^2/NDF:25.0/9

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 134.735+/-129.692 χ^2/NDF:4.2/7

Left: -12.761+/-90.473 χ^2/NDF: 31.8/17

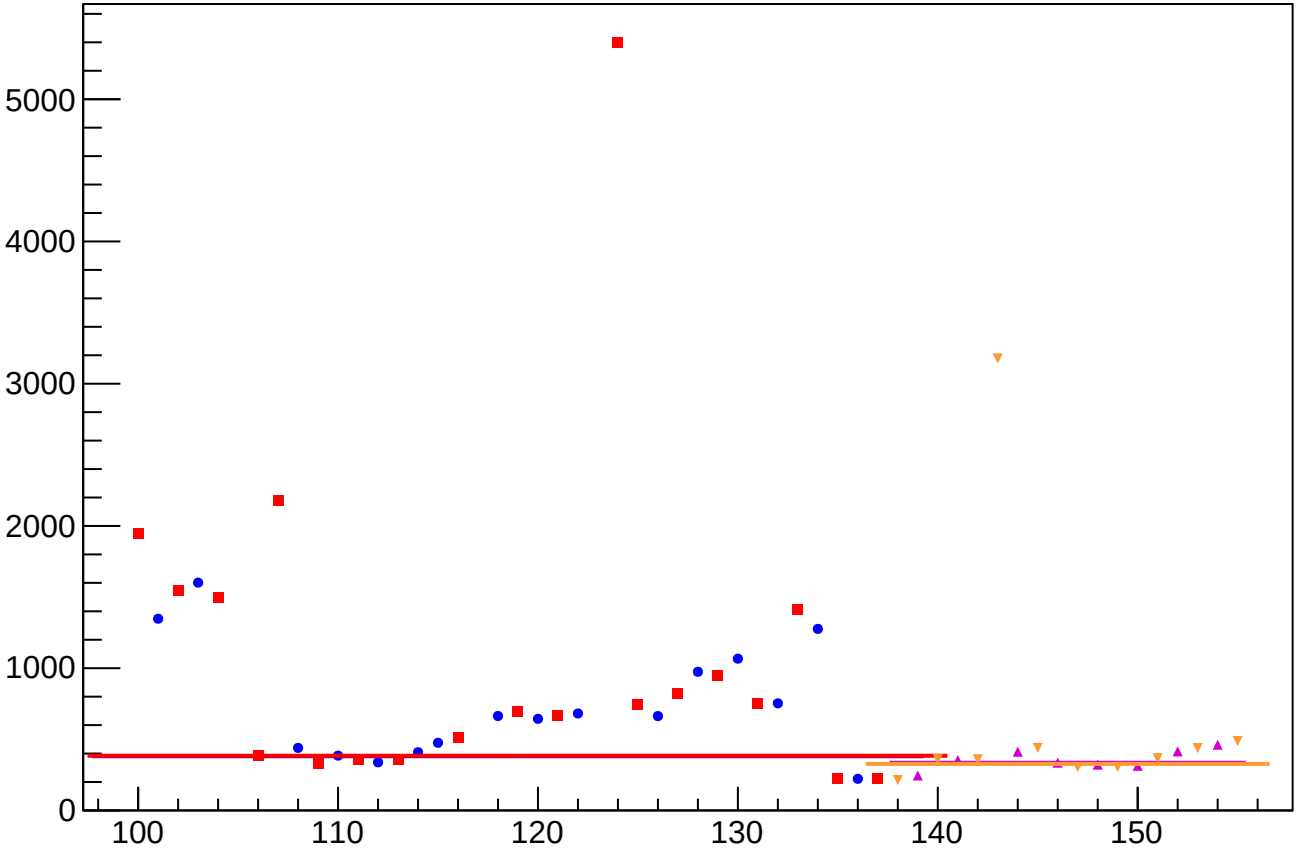
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -45.558+/-103.106 χ^2/NDF:27.9/23

Out: -41.898+/-101.297 χ^2/NDF:43.0/28

All: -43.695+/-72.259 χ^2/NDF: 70.9/52

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: 327.132+/-0.089 χ^2/NDF:2194151.6/9

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 335.410+/-0.092 χ^2/NDF:484388.5/7

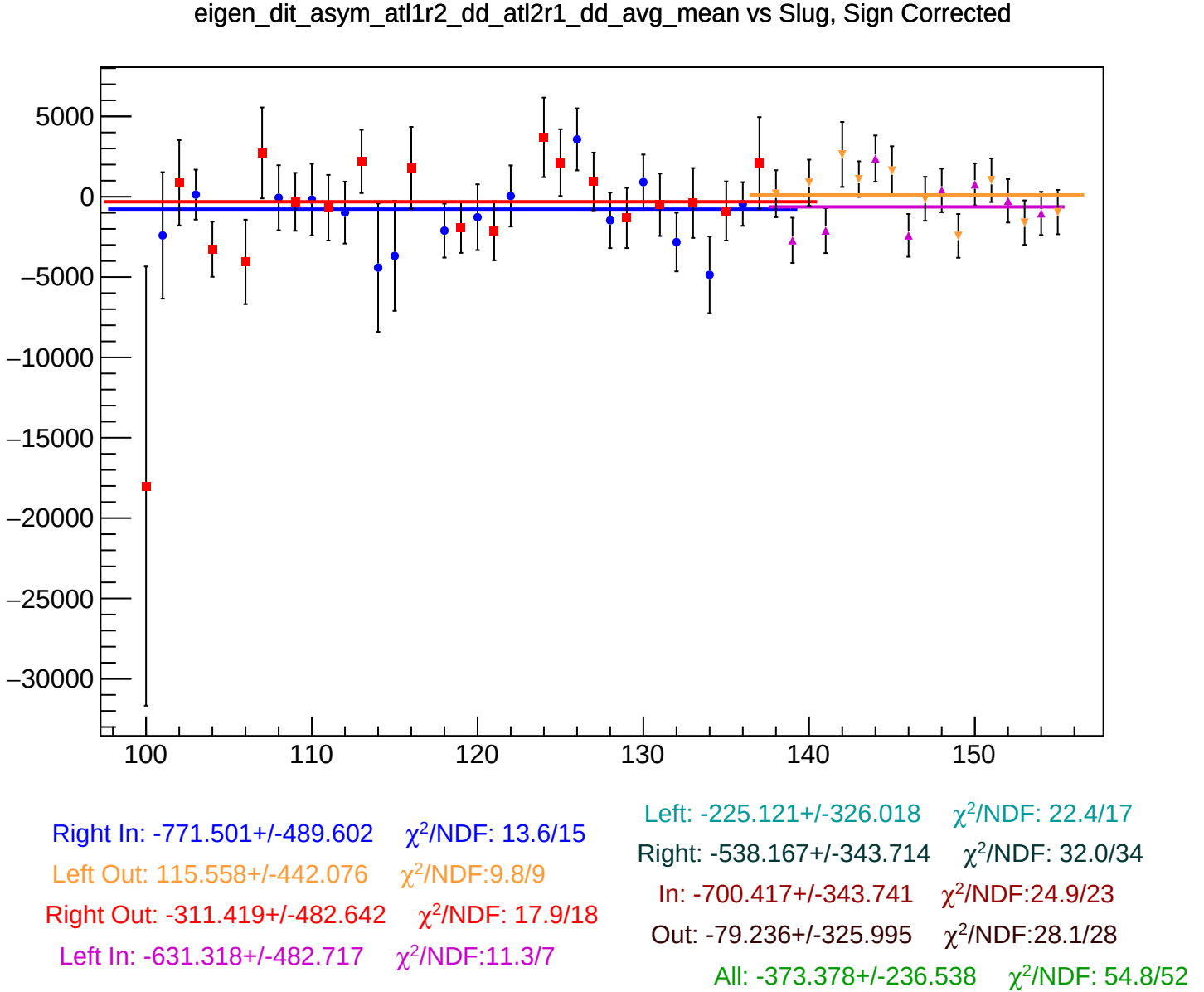
Left: 331.161+/-0.064 χ^2/NDF: 2682723.5/17

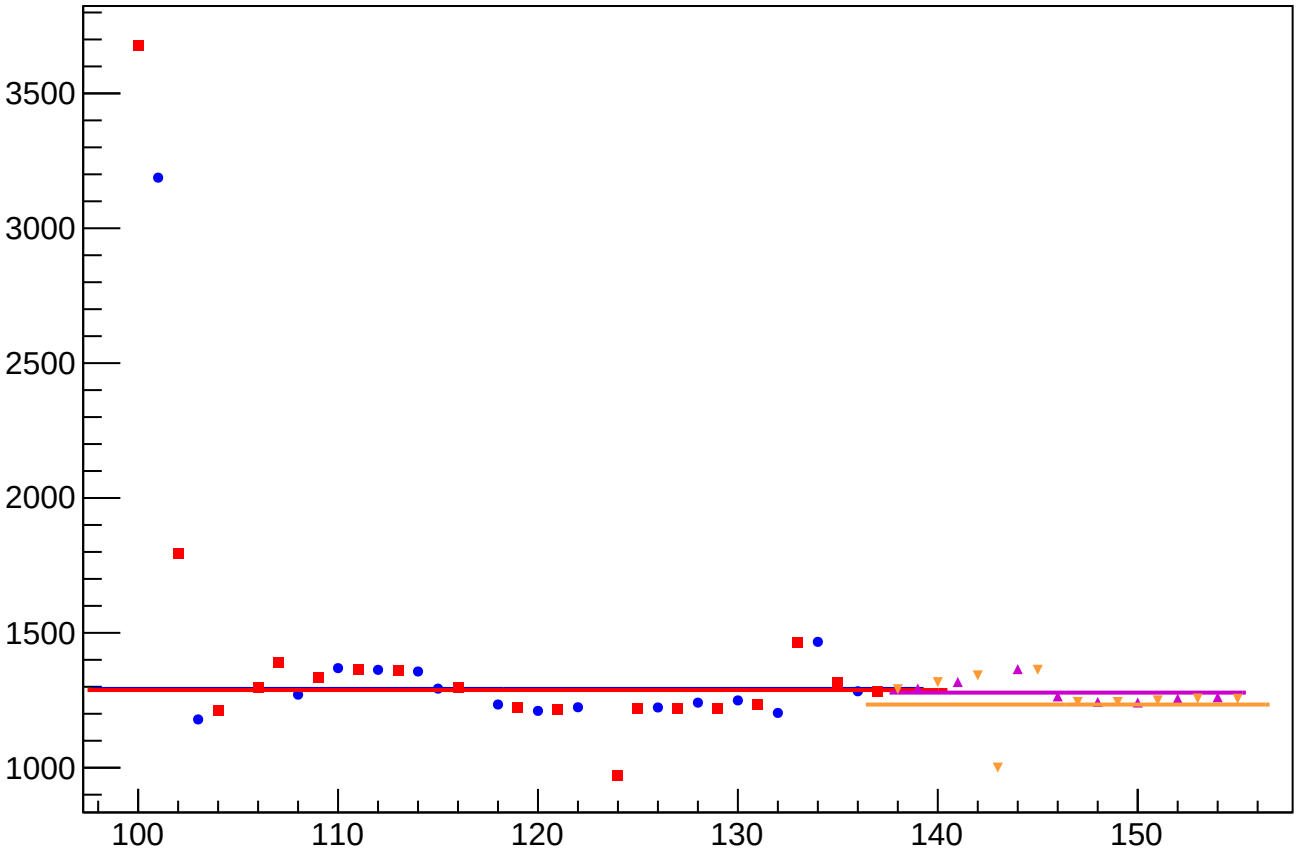
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 352.315+/-0.073 χ^2/NDF:4894647.7/23

Out: 347.635+/-0.072 χ^2/NDF:6902285.6/28

All: 349.933+/-0.051 χ^2/NDF: 11799029.8/52


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 115.558+/-442.076 χ²/NDF:9.8/9
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -631.318+/-482.717 χ²/NDF:11.3/7
Left: -225.121+/-326.018 χ²/NDF: 22.4/17
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -700.417+/-343.741 χ²/NDF:24.9/23
Out: -79.236+/-325.995 χ²/NDF:28.1/28
All: -373.378+/-236.538 χ²/NDF: 54.8/52



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1234.214+/-0.313 χ^2/NDF:120600.2/9

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1278.445+/-0.341 χ^2/NDF:13106.8/7

Left: 1254.389+/-0.231 χ^2/NDF: 142839.5/17

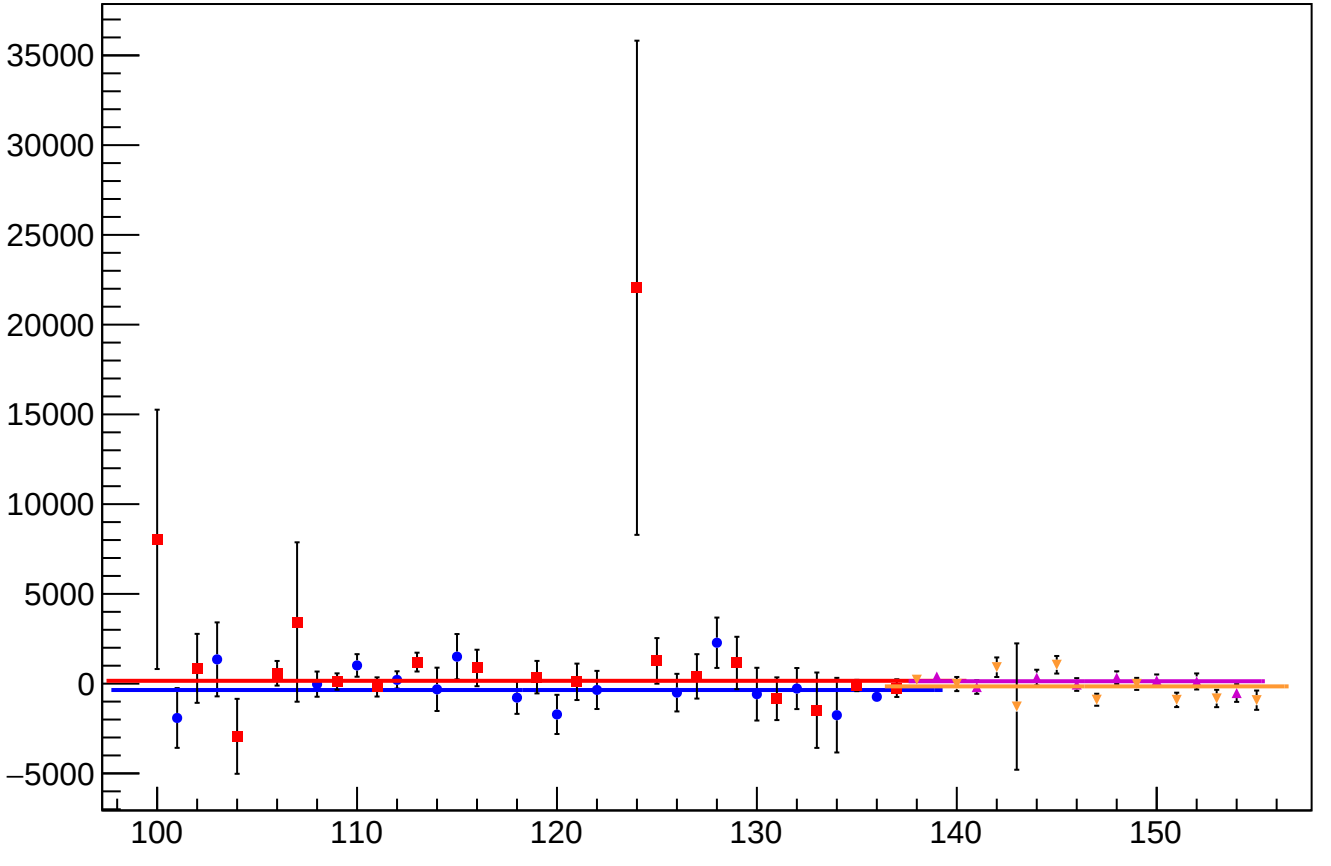
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1285.145+/-0.243 χ^2/NDF:523294.8/23

Out: 1258.747+/-0.231 χ^2/NDF:343310.1/28

All: 1271.247+/-0.167 χ^2/NDF: 872815.1/52

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -152.589+/-126.274 χ^2/NDF:25.0/9

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 134.735+/-129.694 χ^2/NDF:4.2/7

Left: -12.765+/-90.474 χ^2/NDF: 31.8/17

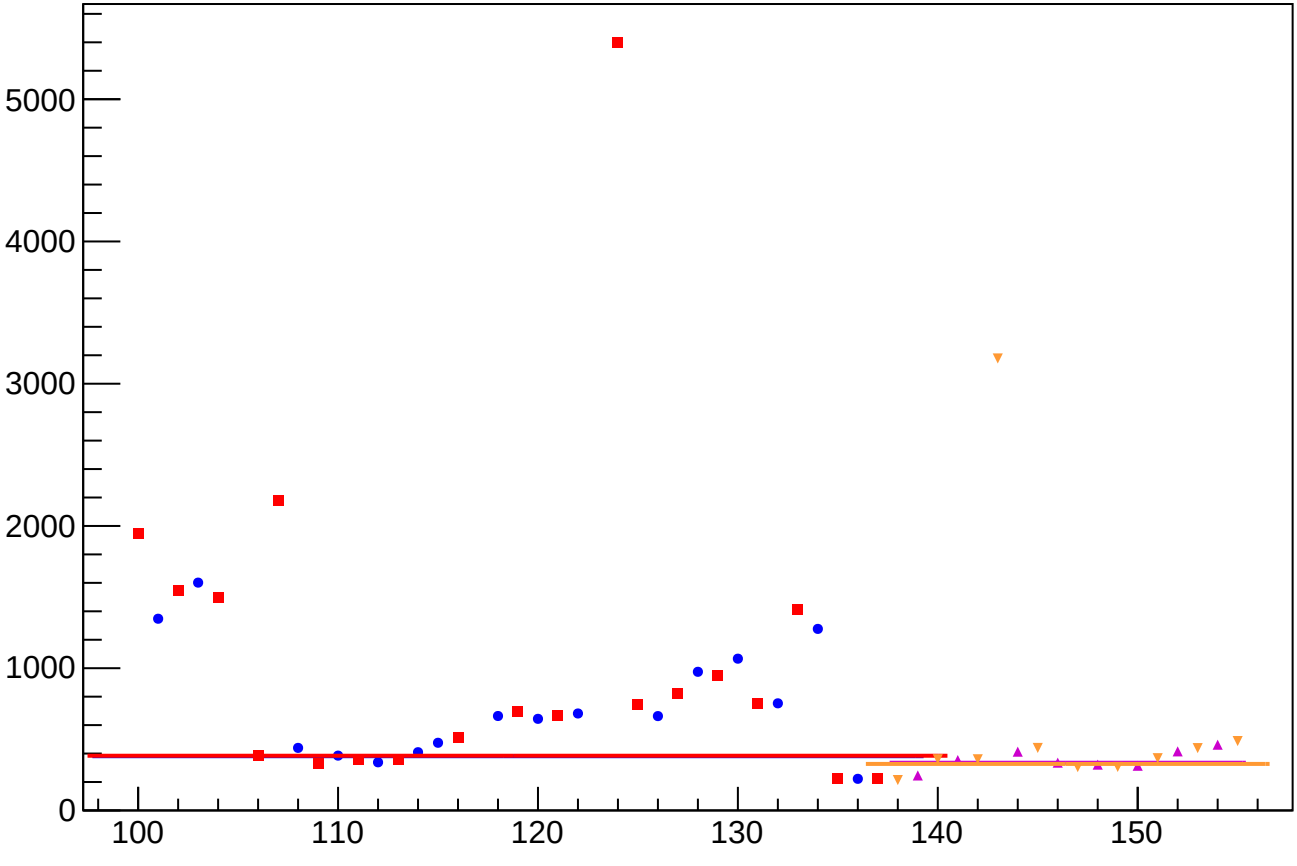
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -45.556+/-103.107 χ^2/NDF:27.9/23

Out: -41.902+/-101.298 χ^2/NDF:43.0/28

All: -43.697+/-72.260 χ^2/NDF: 70.9/52

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 327.139+/-0.089 χ^2/NDF:2194008.2/9

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 335.415+/-0.092 χ^2/NDF:484305.4/7

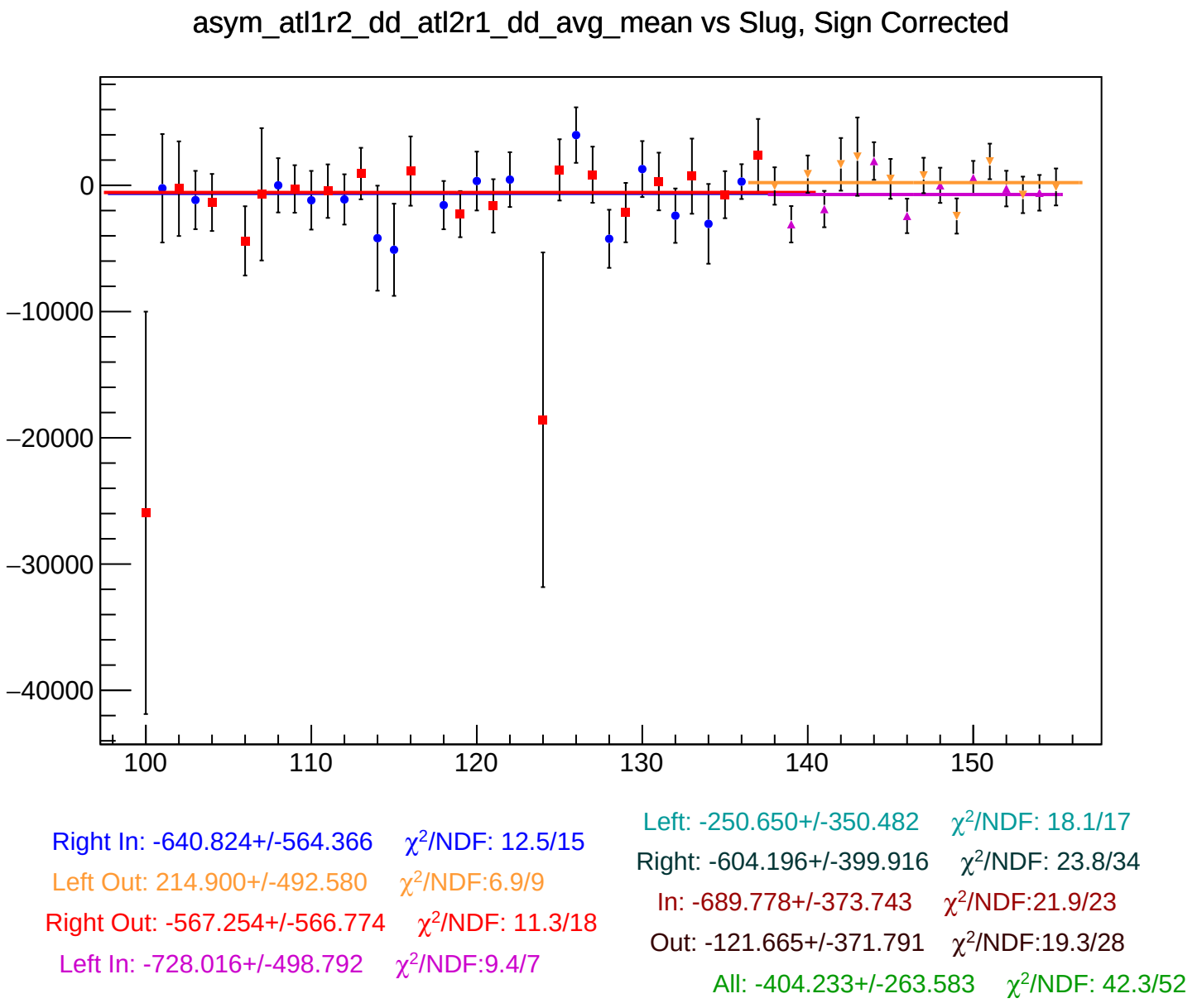
Left: 331.167+/-0.064 χ^2/NDF: 2682494.8/17

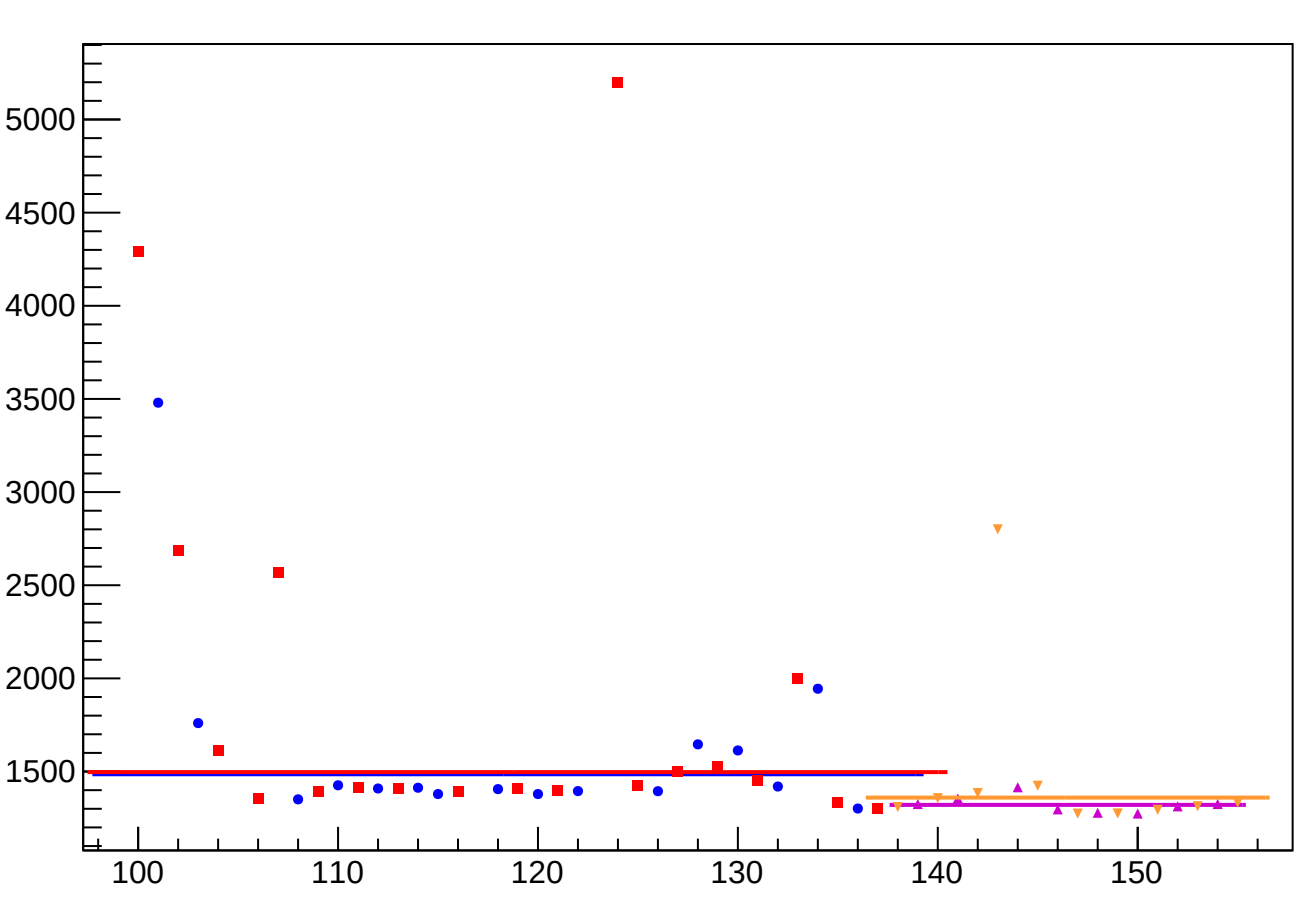
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 352.321+/-0.073 χ^2/NDF:4894396.7/23

Out: 347.642+/-0.072 χ^2/NDF:6902001.6/28

All: 349.940+/-0.051 χ^2/NDF: 11798494.1/52


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: 214.900+/-492.580 χ²/NDF:6.9/9
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -728.016+/-498.792 χ²/NDF:9.4/7
Left: -250.650+/-350.482 χ²/NDF: 18.1/17
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -689.778+/-373.743 χ²/NDF:21.9/23
Out: -121.665+/-371.791 χ²/NDF:19.3/28
All: -404.233+/-263.583 χ²/NDF: 42.3/52



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1360.086+/-0.348 χ^2/NDF:458665.9/9

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1320.924+/-0.353 χ^2/NDF:14124.2/7

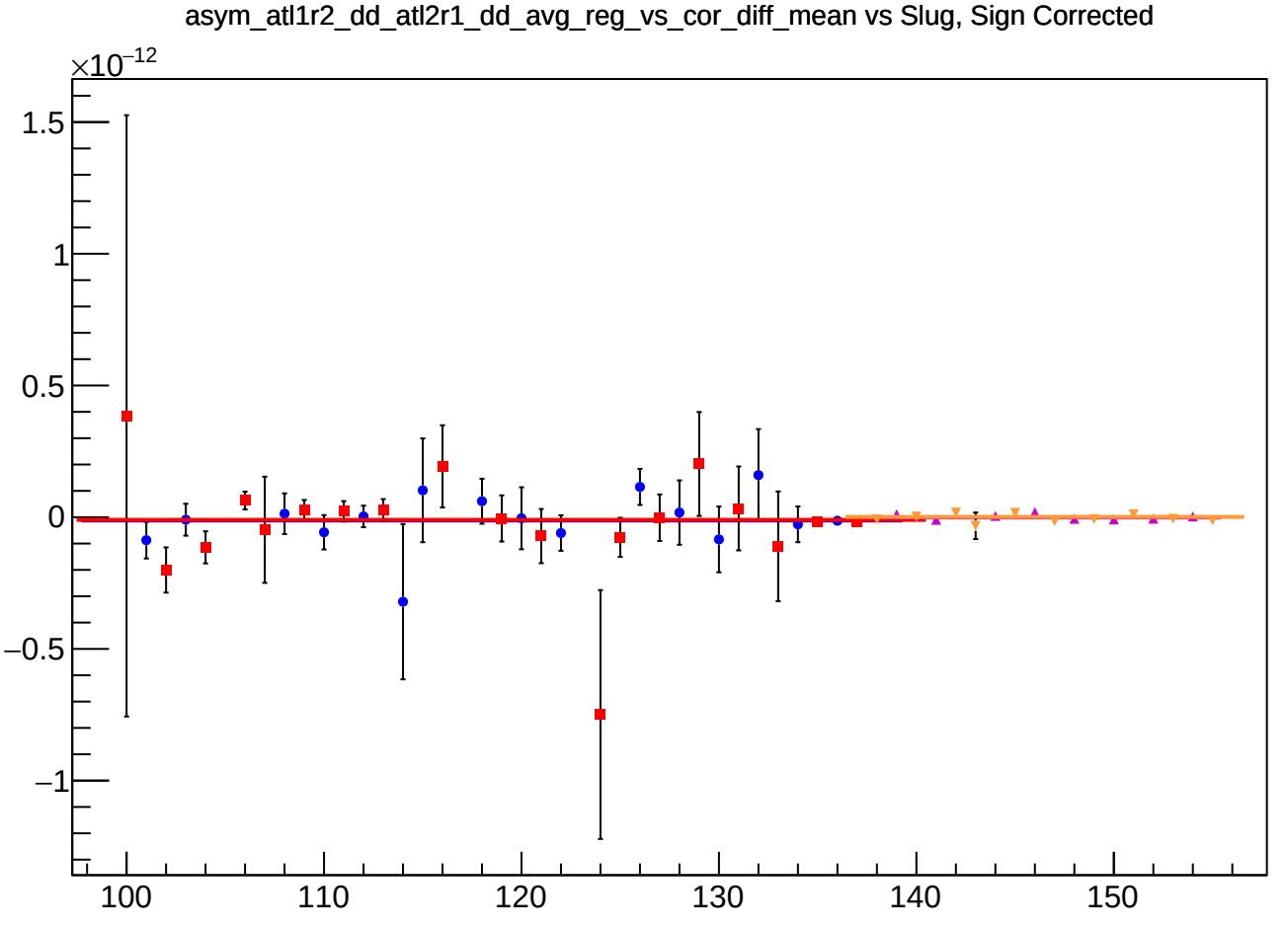
Left: 1340.751+/-0.248 χ^2/NDF: 479031.7/17

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1393.043+/-0.264 χ^2/NDF:693931.3/23

Out: 1418.943+/-0.263 χ^2/NDF:1148316.7/28

All: 1406.061+/-0.186 χ^2/NDF: 1847075.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/7

Left: 0.000+/-0.000 χ^2/NDF: 20.0/17

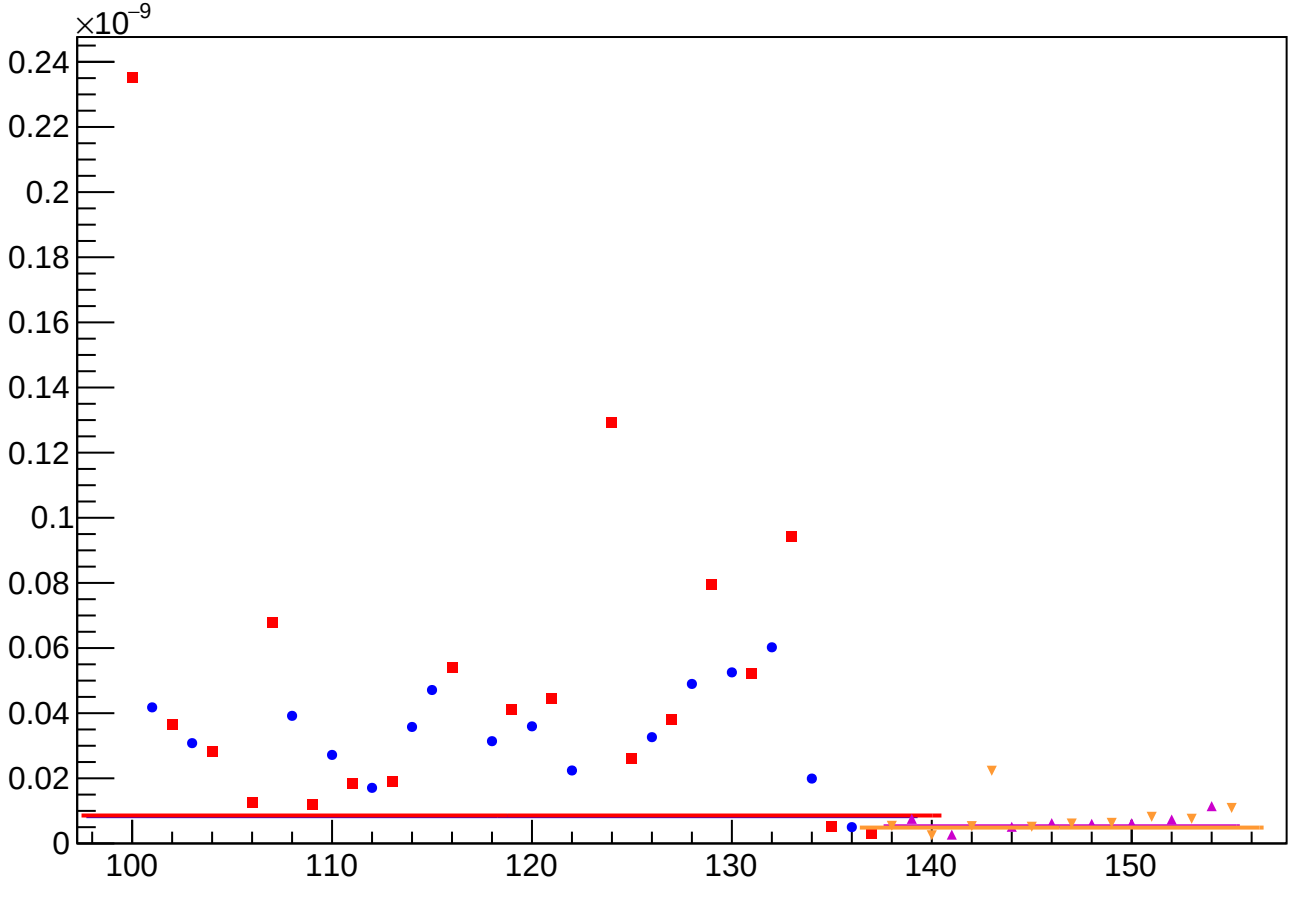
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:20.4/23

Out: -0.000+/-0.000 χ^2/NDF:34.9/28

All: -0.000+/-0.000 χ^2/NDF: 55.7/52

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1252627.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:810675.9/7

Left: 0.000+/-0.000 χ^2/NDF: 2079689.4/17

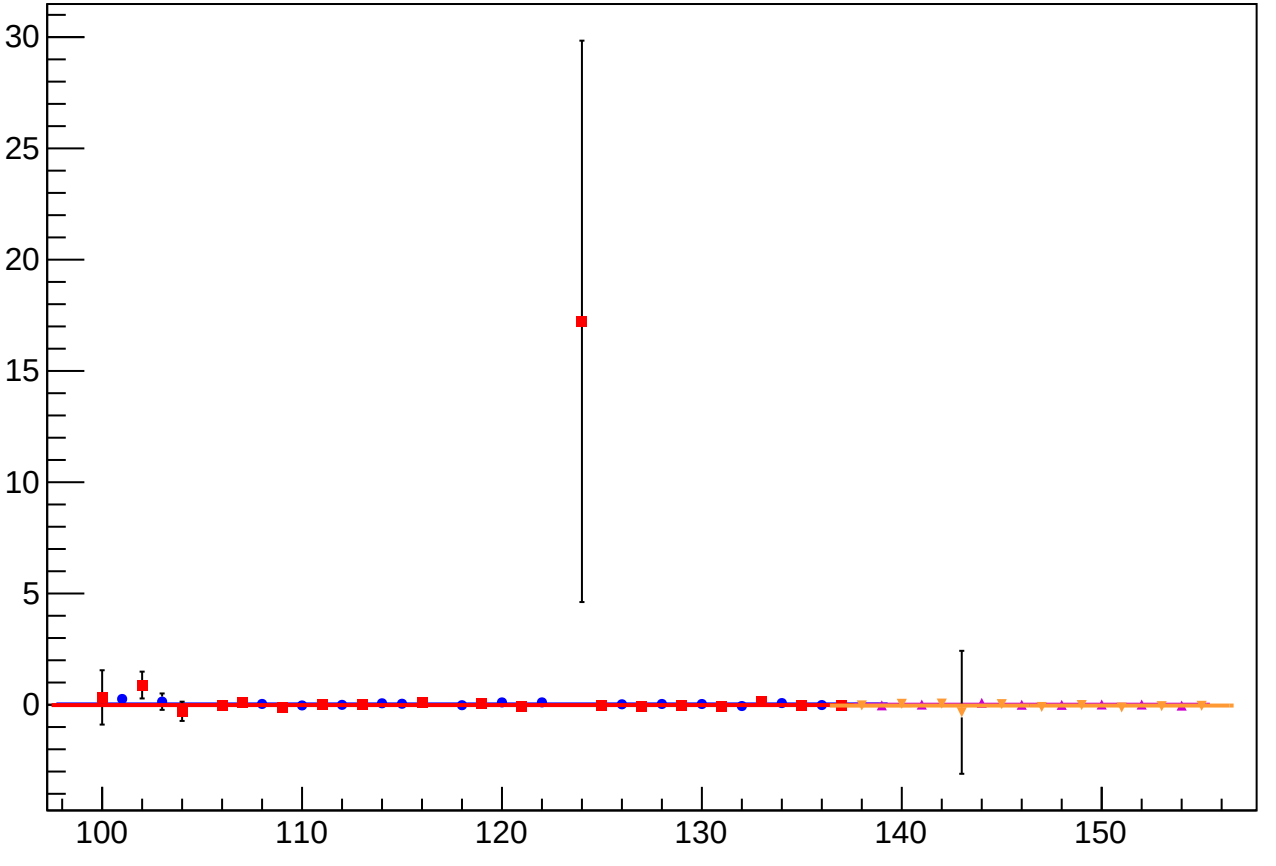
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4161024.4/23

Out: 0.000+/-0.000 χ^2/NDF:4974849.0/28

All: 0.000+/-0.000 χ^2/NDF: 9159904.8/52

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: -0.035+/-0.014 χ^2/NDF:15.3/9

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.014 χ^2/NDF:4.0/7

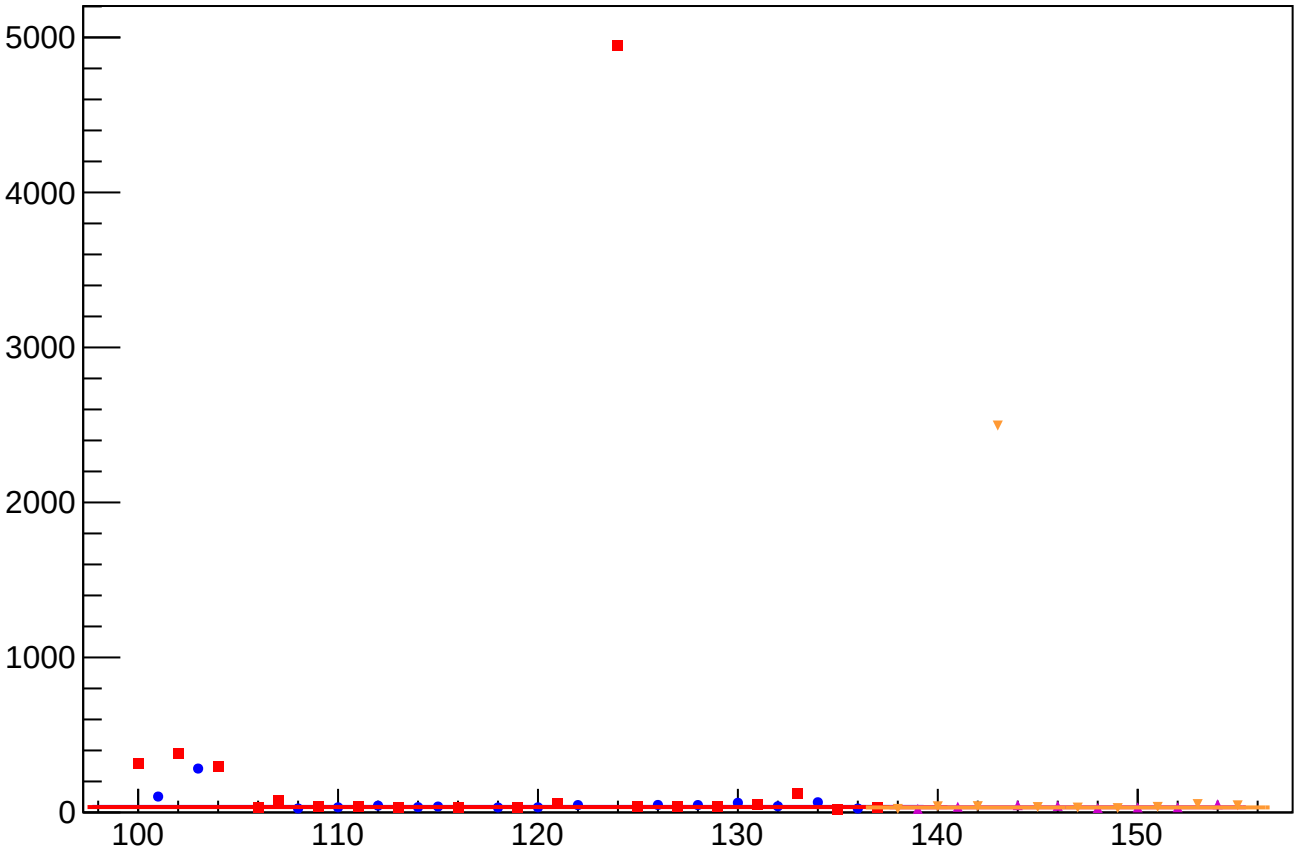
Left: -0.016+/-0.010 χ^2/NDF: 23.2/17

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.026+/-0.010 χ^2/NDF:32.4/28

All: -0.008+/-0.007 χ^2/NDF: 54.1/52



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 32.503+/-0.010 χ^2/NDF:2349928.5/9

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.711+/-0.010 χ^2/NDF:717419.2/7

Left: 33.081+/-0.007 χ^2/NDF: 3075010.8/17

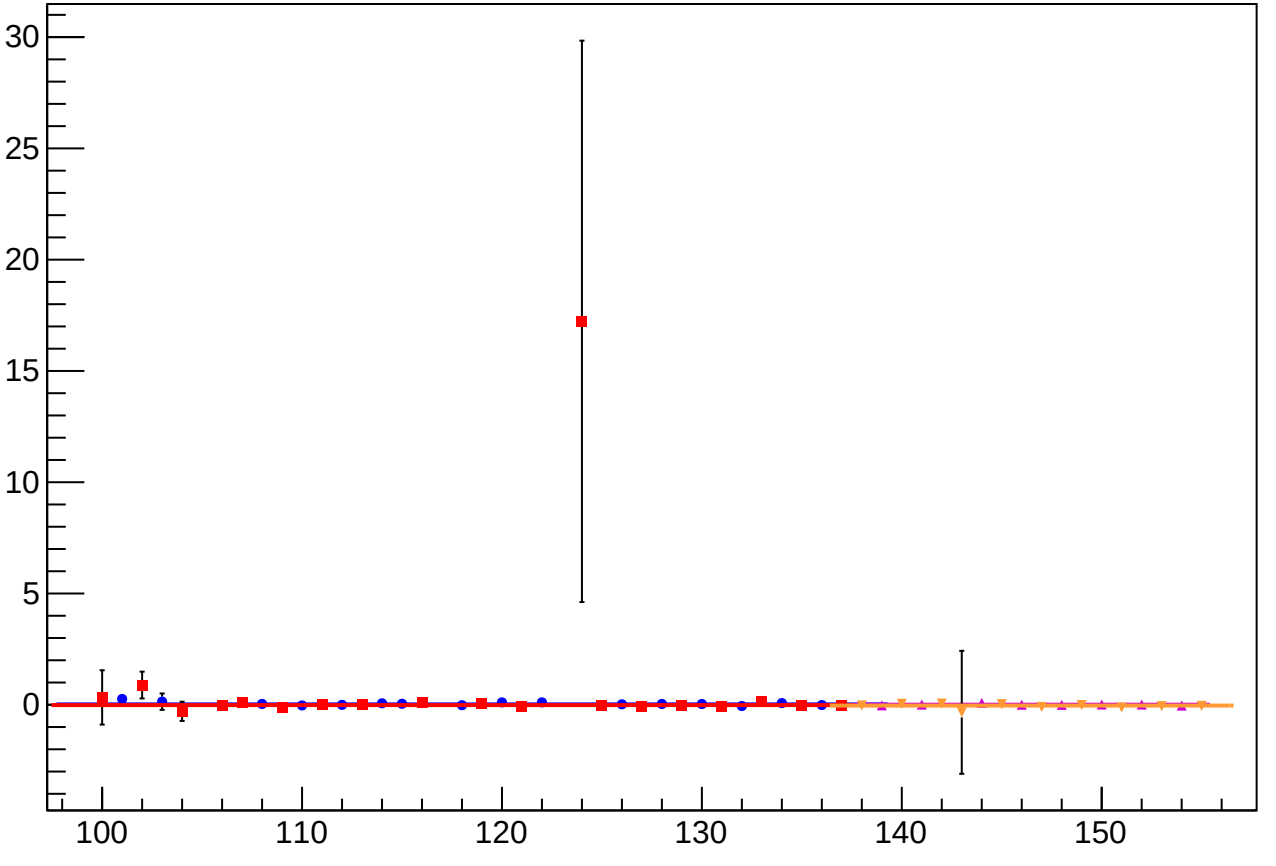
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.634+/-0.007 χ^2/NDF:3001059.3/23

Out: 33.484+/-0.007 χ^2/NDF:5288751.3/28

All: 34.048+/-0.005 χ^2/NDF: 8302246.5/52

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: -0.035+/-0.014 χ^2/NDF:15.3/9

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.016+/-0.010 χ^2/NDF: 23.2/17

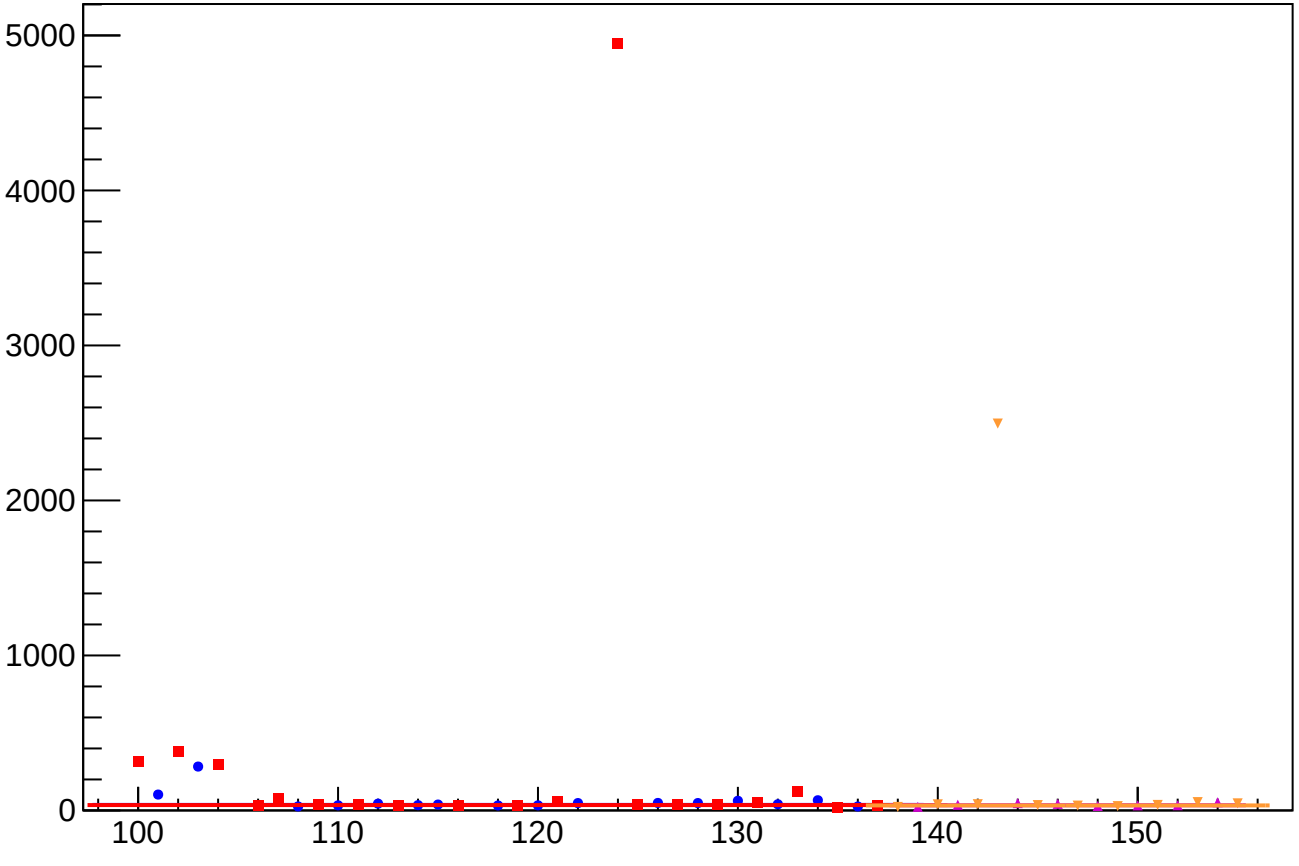
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.026+/-0.010 χ^2/NDF:32.4/28

All: -0.008+/-0.007 χ^2/NDF: 54.1/52

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: 32.503+/-0.010 χ^2/NDF:2349928.5/9

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 33.711+/-0.010 χ^2/NDF:717419.2/7

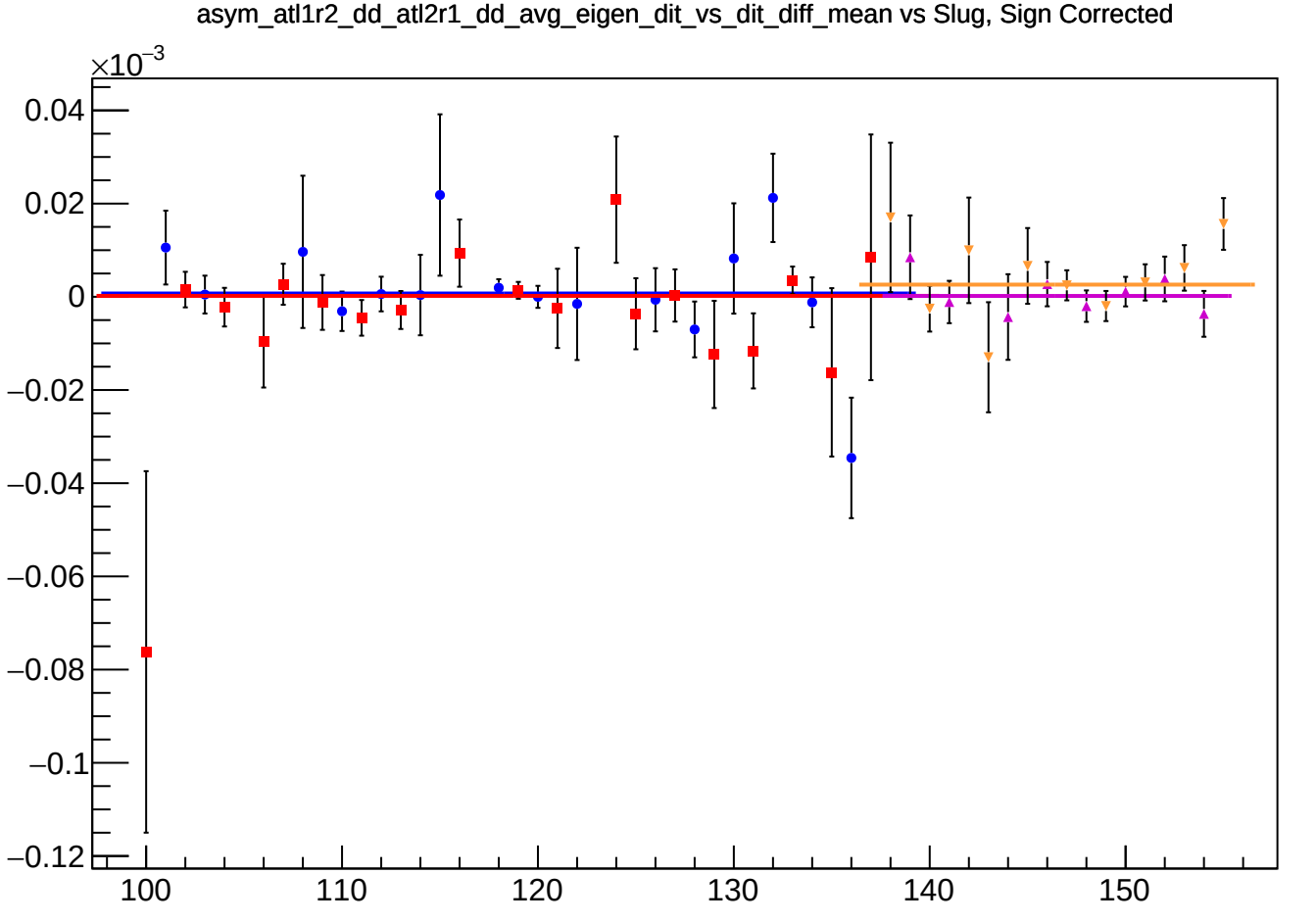
Left: 33.081+/-0.007 χ^2/NDF: 3075010.8/17

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.634+/-0.007 χ^2/NDF:3001059.3/23

Out: 33.484+/-0.007 χ^2/NDF:5288751.3/28

All: 34.048+/-0.005 χ^2/NDF: 8302246.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.2/7

Left: 0.000+/-0.000 χ^2/NDF: 16.7/17

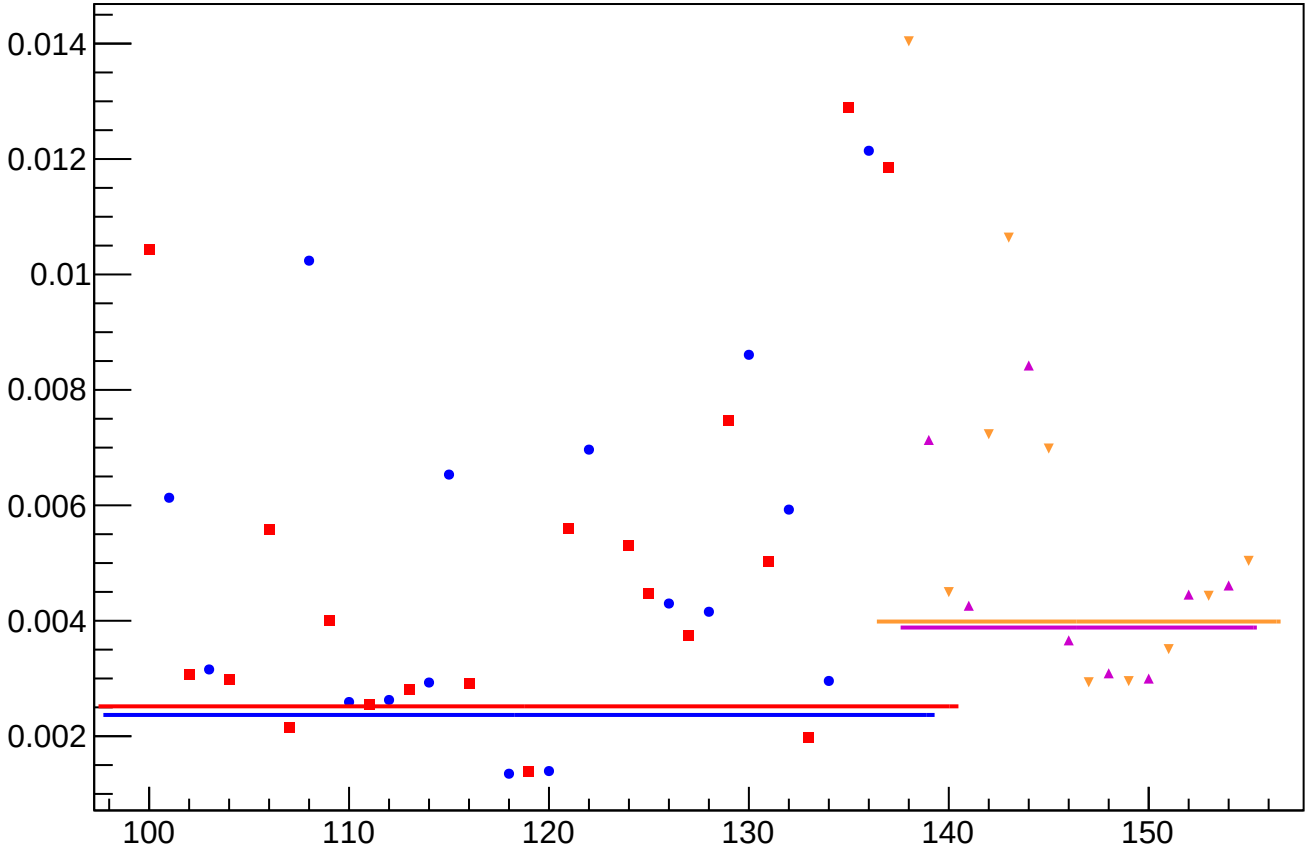
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:22.3/23

Out: 0.000+/-0.000 χ^2/NDF:32.1/28

All: 0.000+/-0.000 χ^2/NDF: 54.5/52

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2413689.4/9

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1107084.4/7

Left: 0.004+/-0.000 χ^2/NDF: 3525074.5/17

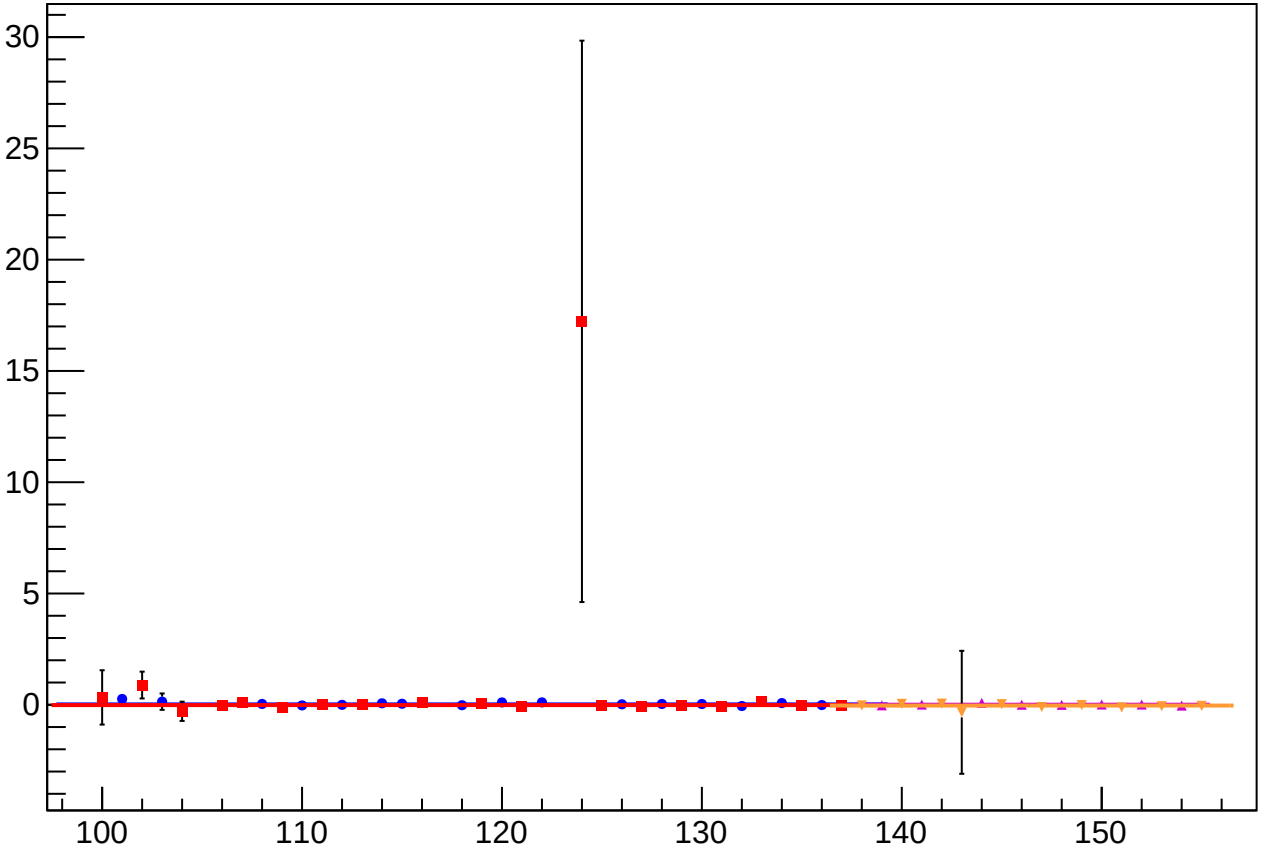
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:7037580.4/23

Out: 0.003+/-0.000 χ^2/NDF:7014937.1/28

All: 0.003+/-0.000 χ^2/NDF: 14071886.1/52

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: -0.035+/-0.014 χ^2/NDF:15.3/9

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.016+/-0.010 χ^2/NDF: 23.2/17

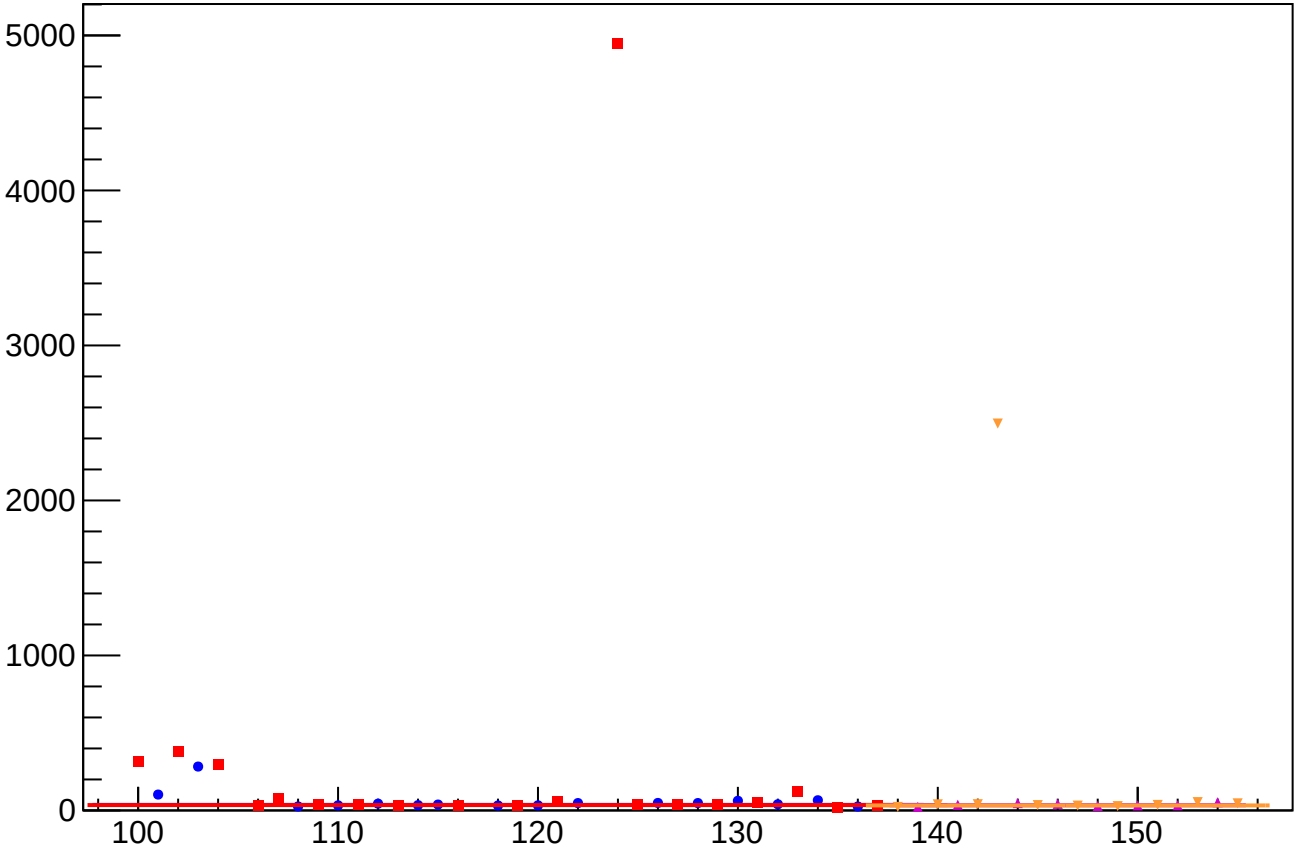
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.026+/-0.010 χ^2/NDF:32.4/28

All: -0.008+/-0.007 χ^2/NDF: 54.1/52

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: 32.503+/-0.010 χ^2/NDF:2350188.4/9

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.709+/-0.010 χ^2/NDF:717819.4/7

Left: 33.080+/-0.007 χ^2/NDF: 3075646.5/17

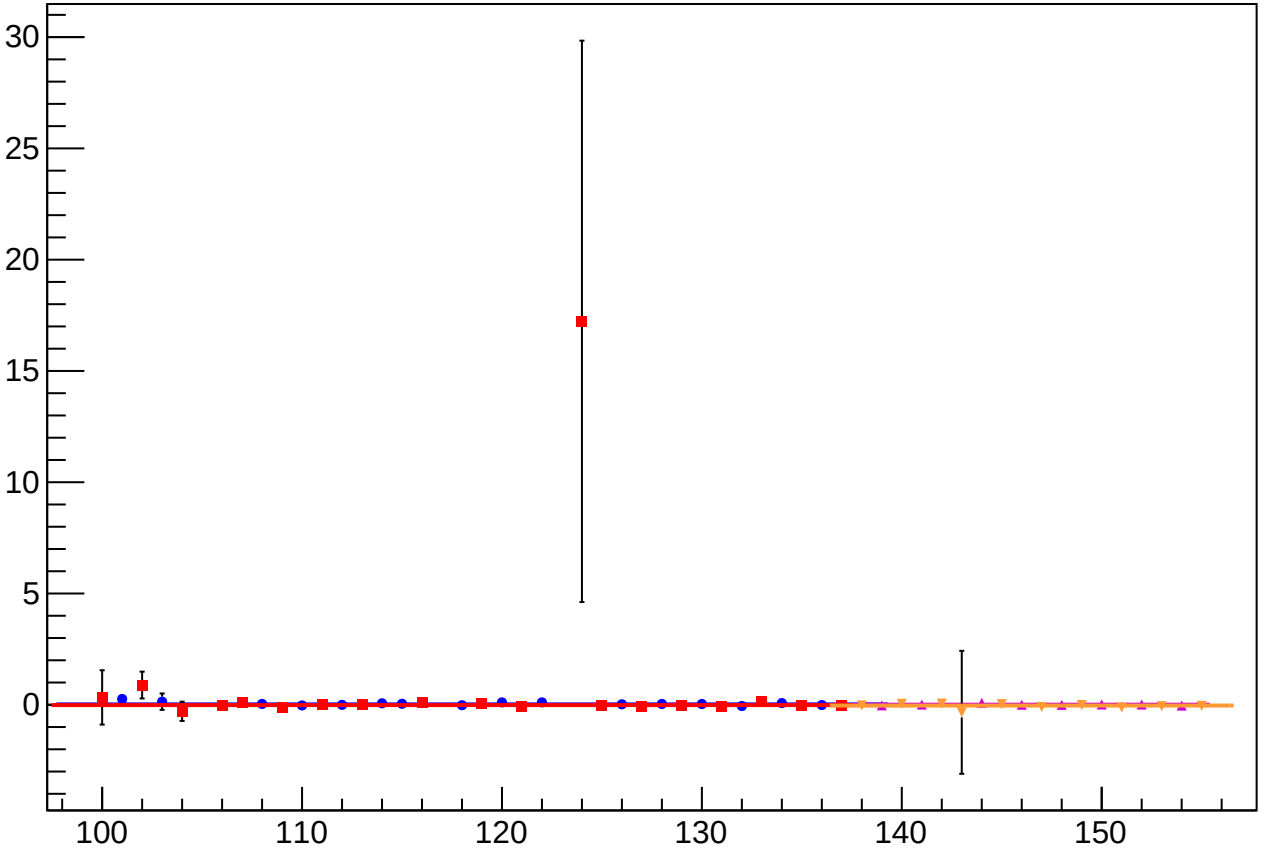
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.634+/-0.007 χ^2/NDF:3001249.9/23

Out: 33.484+/-0.007 χ^2/NDF:5288859.4/28

All: 34.048+/-0.005 χ^2/NDF: 8302527.6/52

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: -0.035+/-0.014 χ^2/NDF:15.3/9

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.014 χ^2/NDF:4.0/7

Left: -0.016+/-0.010 χ^2/NDF: 23.2/17

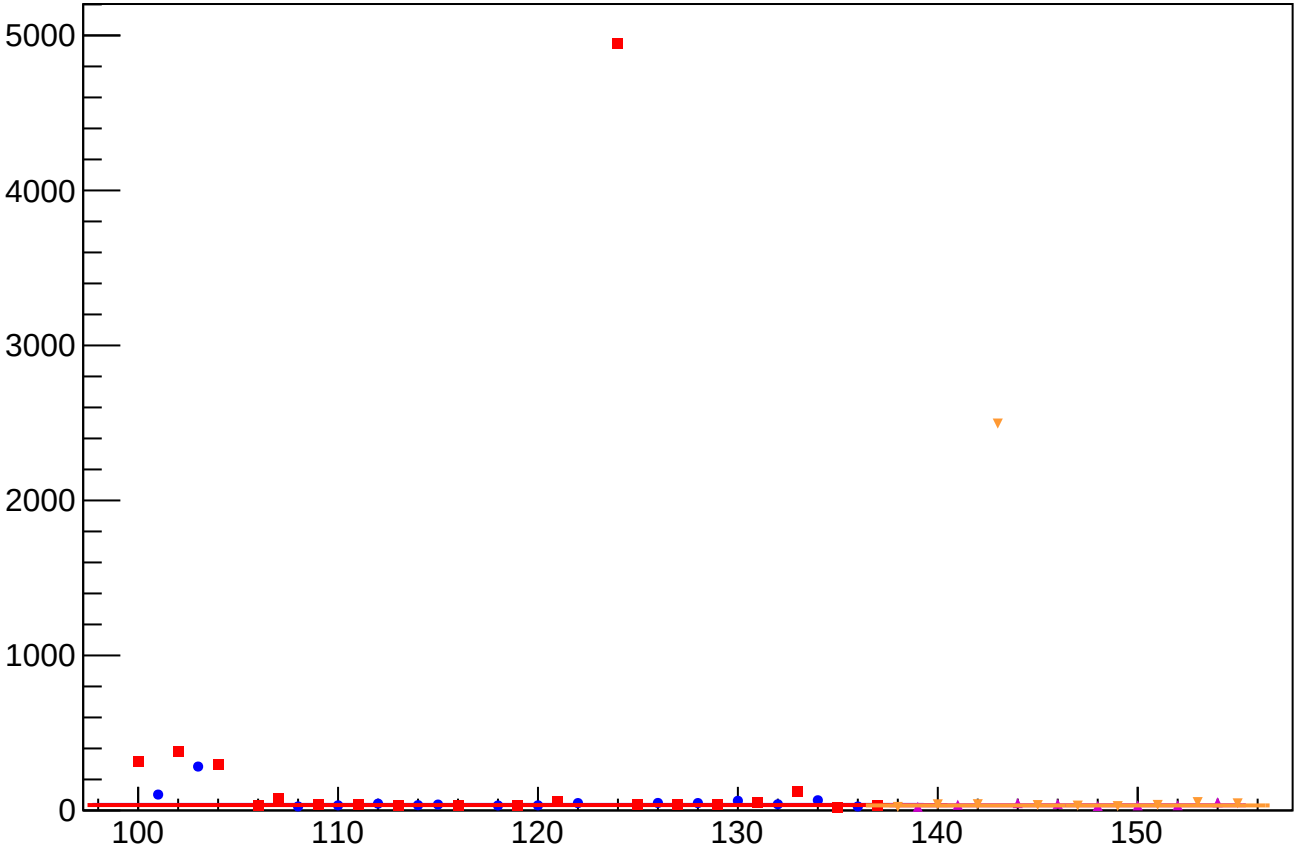
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.010 χ^2/NDF:15.9/23

Out: -0.026+/-0.010 χ^2/NDF:32.4/28

All: -0.008+/-0.007 χ^2/NDF: 54.1/52

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: 32.503+/-0.010 χ^2/NDF:2350188.4/9

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 33.709+/-0.010 χ^2/NDF:717819.4/7

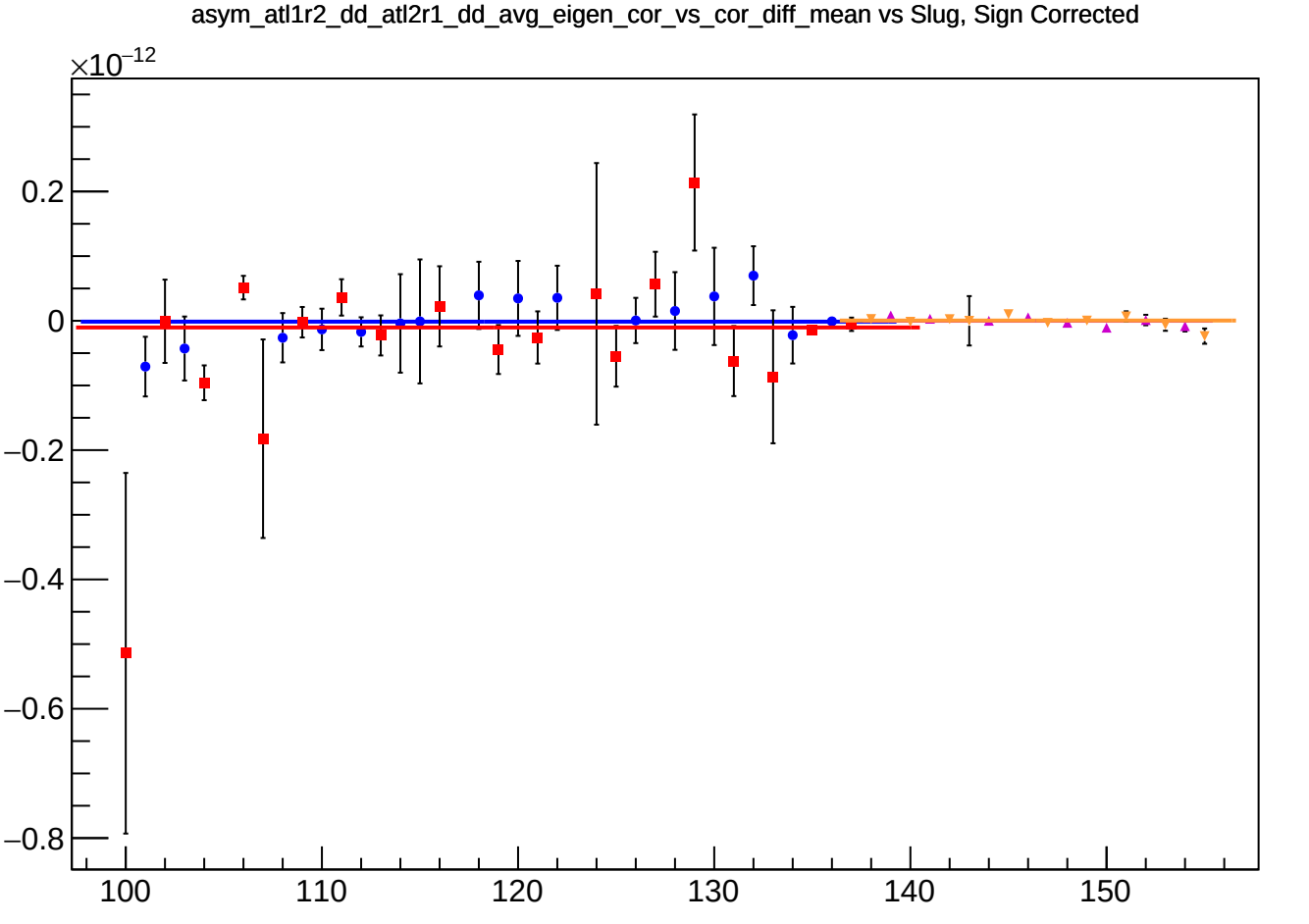
Left: 33.080+/-0.007 χ^2/NDF: 3075646.5/17

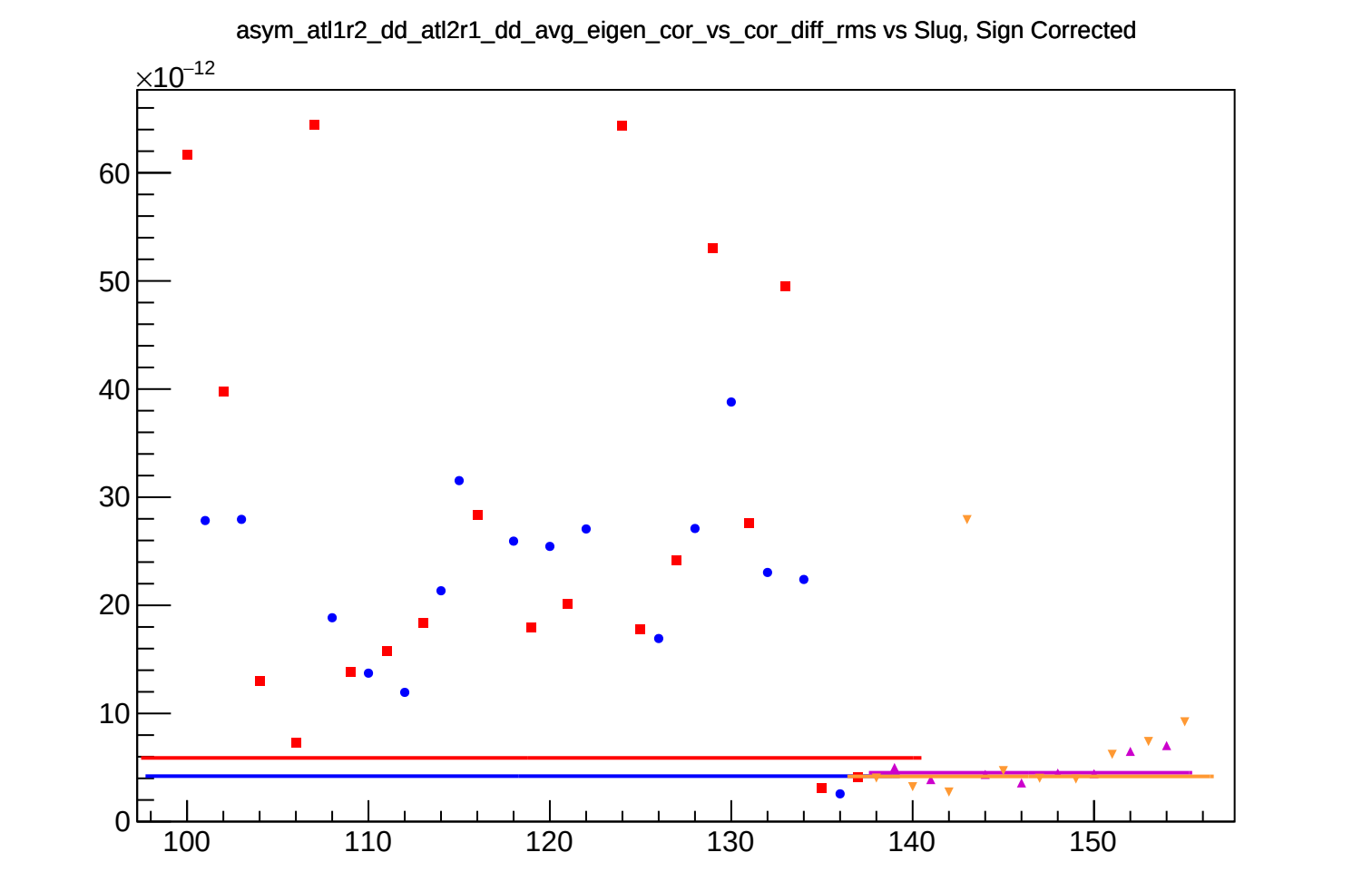
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.634+/-0.007 χ^2/NDF:3001249.9/23

Out: 33.484+/-0.007 χ^2/NDF:5288859.4/28

All: 34.048+/-0.005 χ^2/NDF: 8302527.6/52


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:8.6/9
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:8.3/7
Left: 0.000+/-0.000 χ²/NDF: 17.0/17
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: -0.000+/-0.000 χ²/NDF:17.1/23
Out: -0.000+/-0.000 χ²/NDF:53.9/28
All: -0.000+/-0.000 χ²/NDF: 71.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1800624.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:426609.8/7

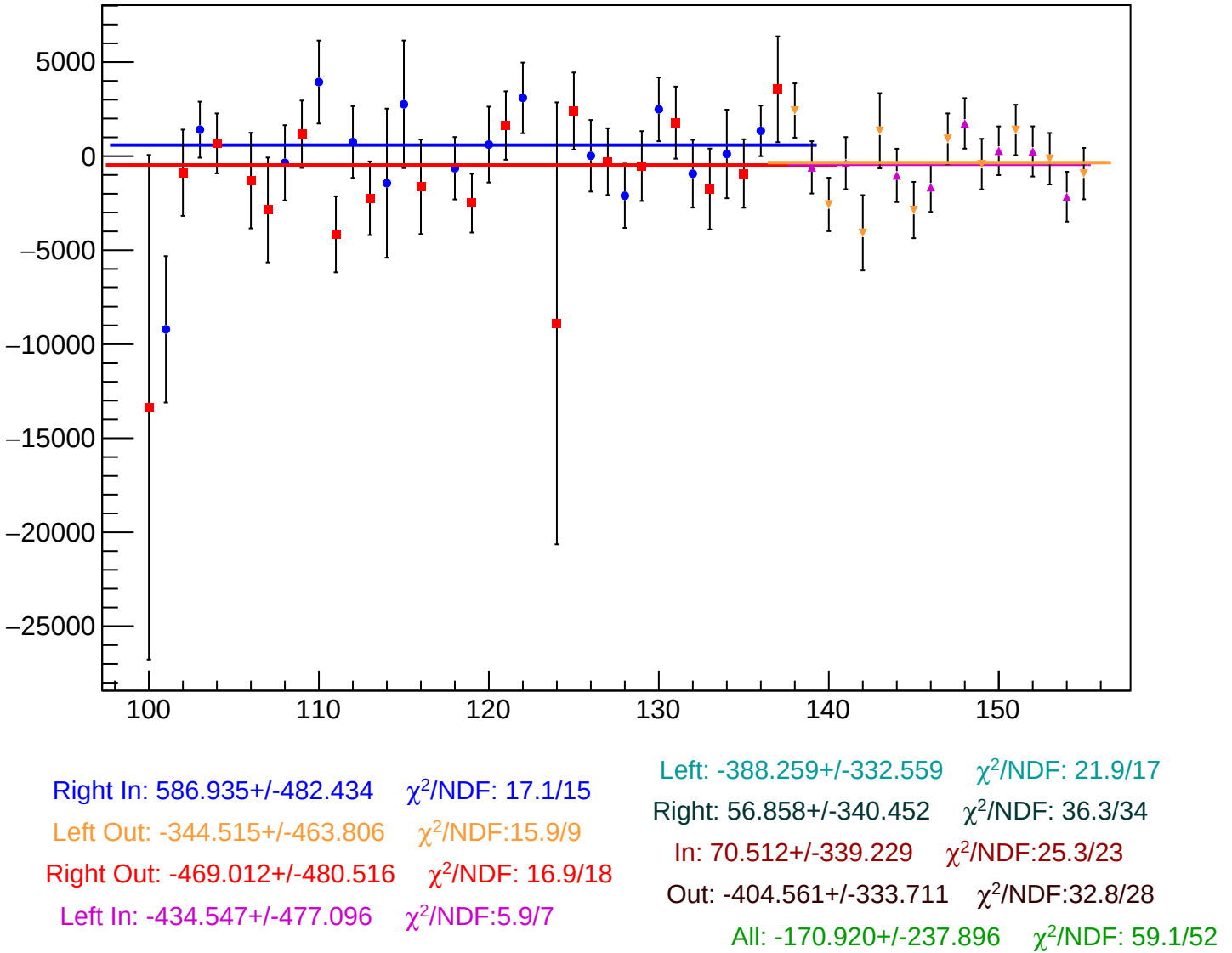
Left: 0.000+/-0.000 χ^2/NDF: 2255332.6/17

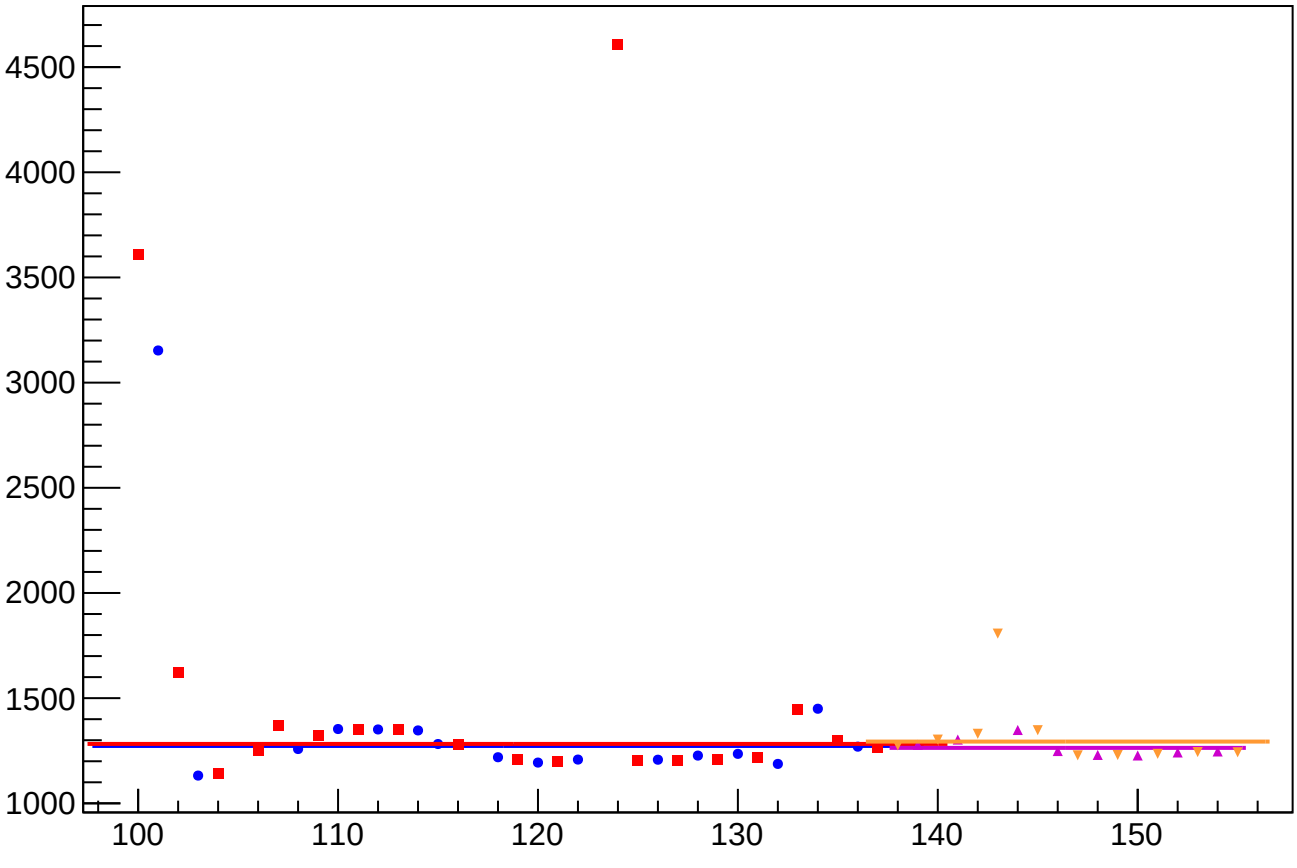
Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5519082.4/23

Out: 0.000+/-0.000 χ^2/NDF:6936698.5/28

All: 0.000+/-0.000 χ^2/NDF: 12456642.4/52


reg_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: 586.935+/-482.434 χ²/NDF: 17.1/15
Left Out: -344.515+/-463.806 χ²/NDF:15.9/9
Right Out: -469.012+/-480.516 χ²/NDF: 16.9/18
Left In: -434.547+/-477.096 χ²/NDF:5.9/7
Left: -388.259+/-332.559 χ²/NDF: 21.9/17
Right: 56.858+/-340.452 χ²/NDF: 36.3/34
In: 70.512+/-339.229 χ²/NDF:25.3/23
Out: -404.561+/-333.711 χ²/NDF:32.8/28
All: -170.920+/-237.896 χ²/NDF: 59.1/52



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1293.541+/-0.328 χ^2/NDF:153867.4/9

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1263.597+/-0.337 χ^2/NDF:12938.6/7

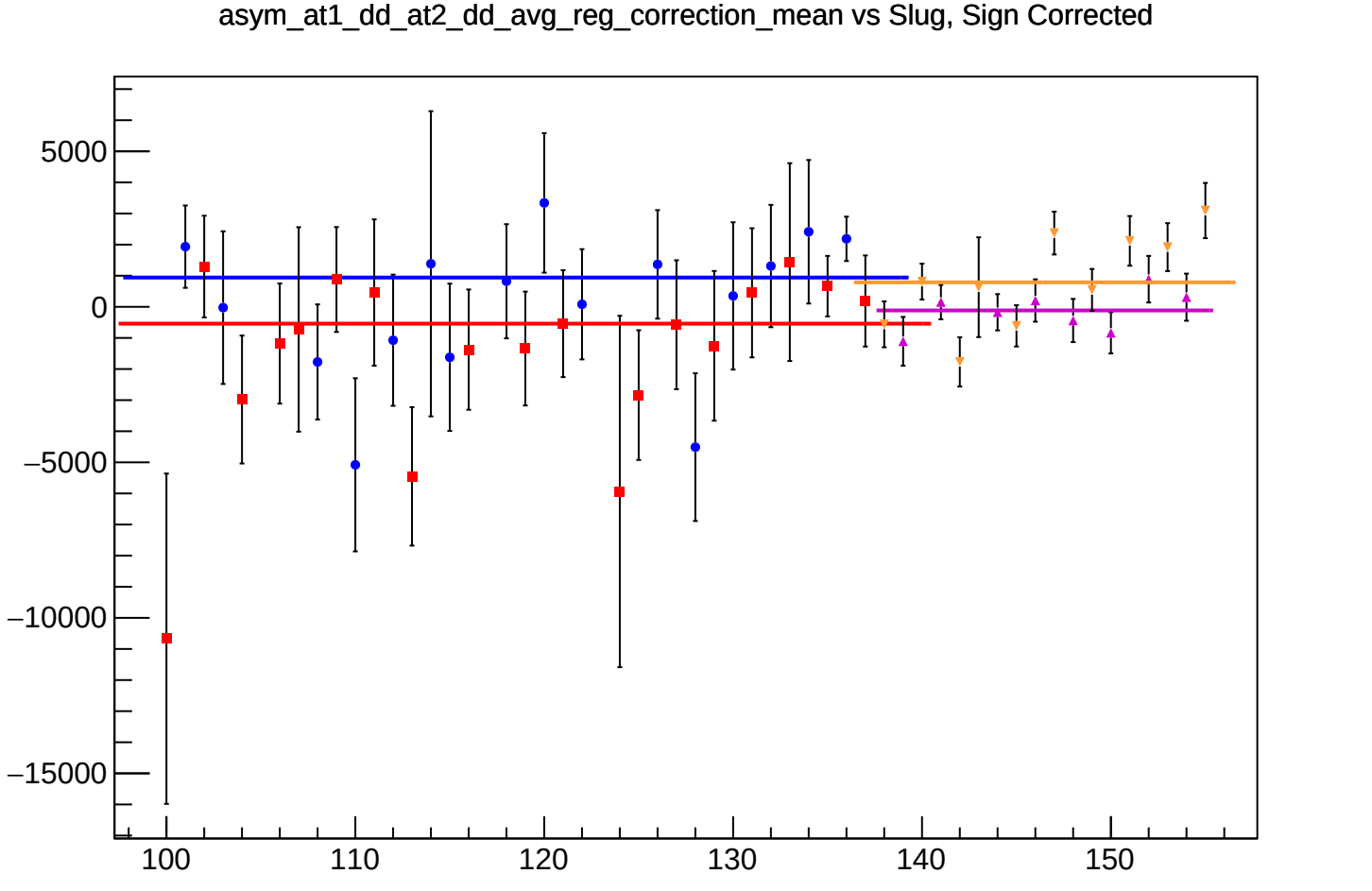
Left: 1278.992+/-0.235 χ^2/NDF: 170856.2/17

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1268.150+/-0.240 χ^2/NDF:532605.0/23

Out: 1288.150+/-0.236 χ^2/NDF:476506.0/28

All: 1278.314+/-0.168 χ^2/NDF: 1012644.3/52



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 787.477+/-236.066 χ^2/NDF:35.4/9

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -115.529+/-236.661 χ^2/NDF:5.6/7

Left: 337.110+/-167.134 χ^2/NDF: 48.2/17

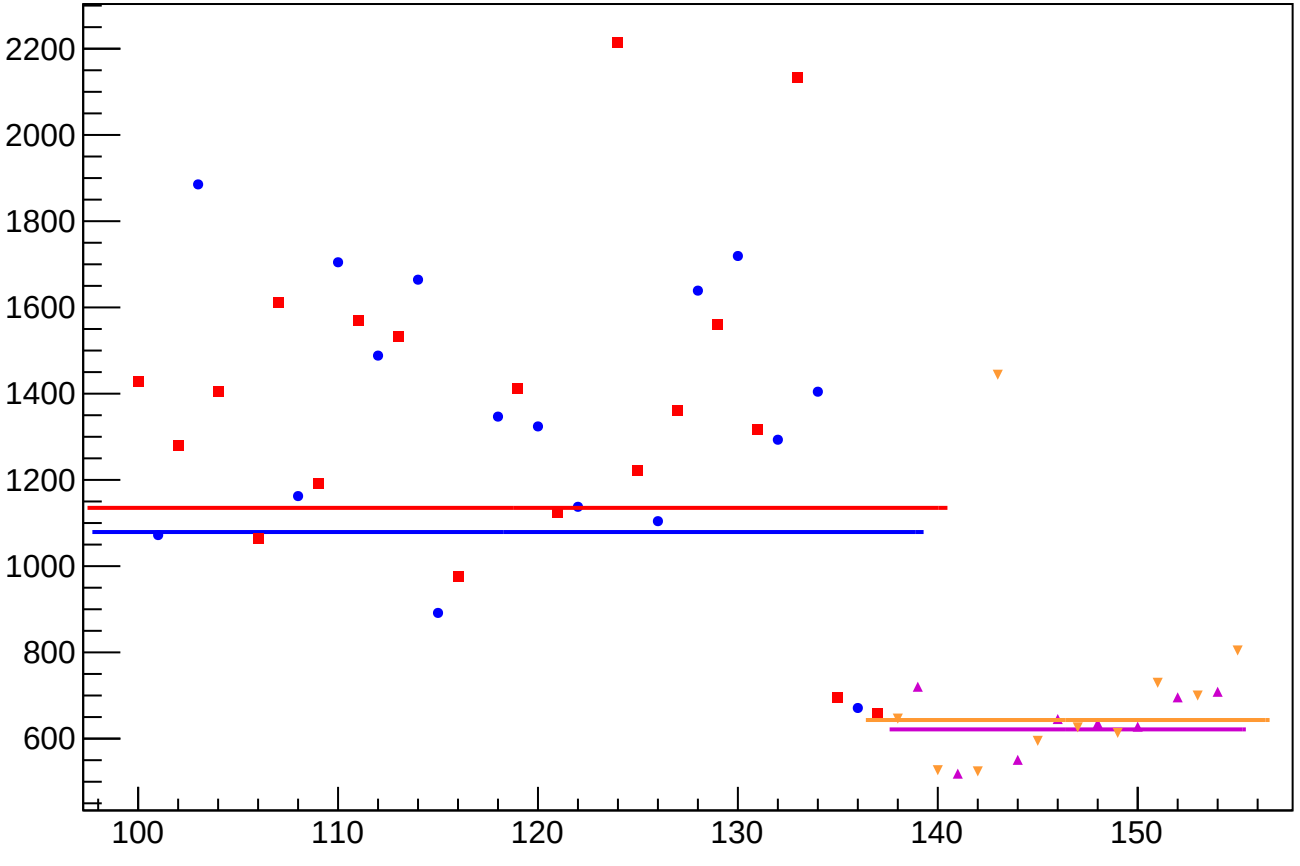
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 133.967+/-206.861 χ^2/NDF:30.2/23

Out: 490.535+/-208.008 χ^2/NDF:59.6/28

All: 311.265+/-146.677 χ^2/NDF: 91.3/52

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: 643.162+/-0.167 χ^2/NDF:741641.0/9

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 621.409+/-0.167 χ^2/NDF:179519.1/7

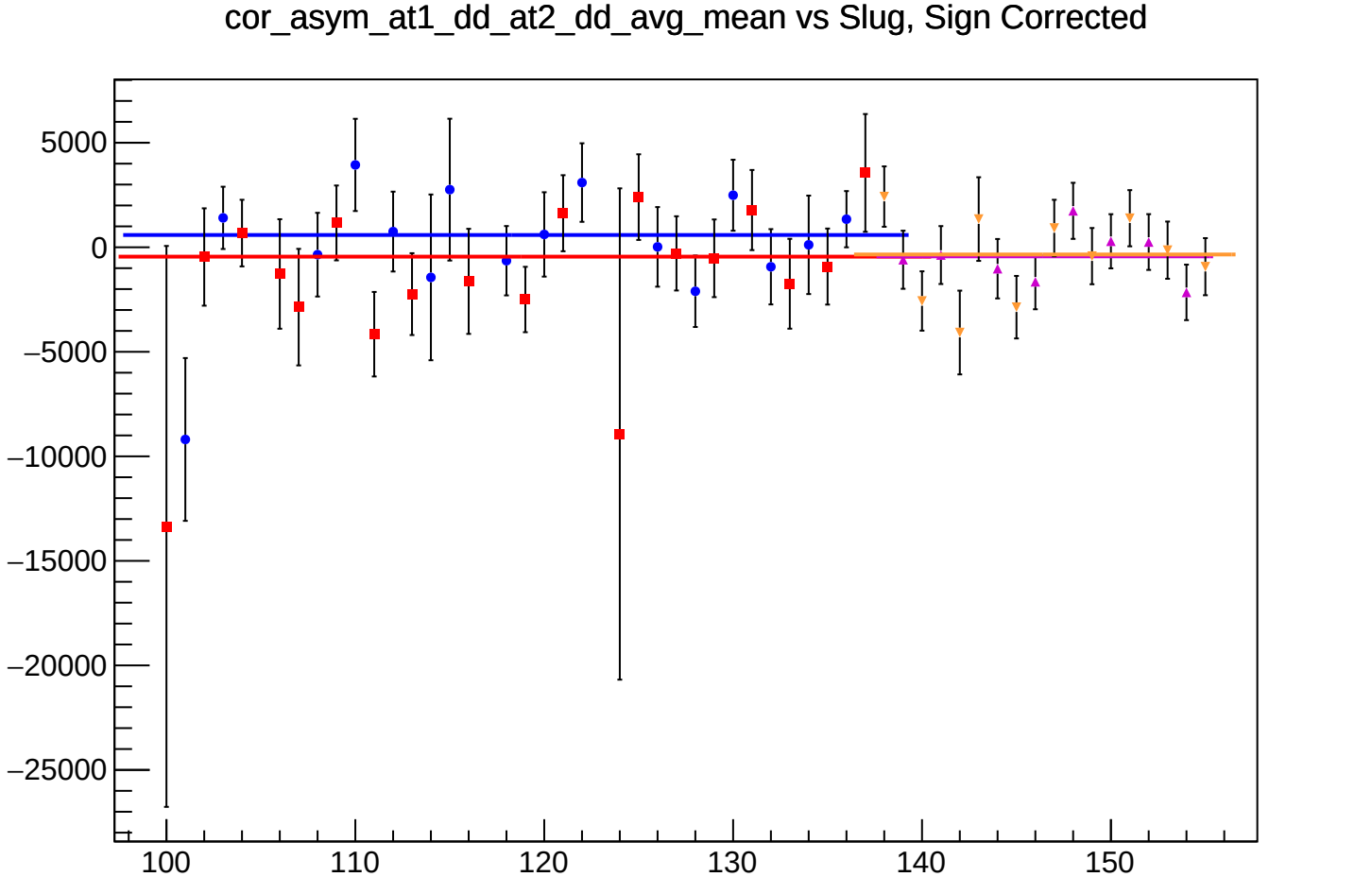
Left: 632.312+/-0.118 χ^2/NDF: 929629.9/17

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 729.418+/-0.146 χ^2/NDF:3427106.9/23

Out: 753.165+/-0.147 χ^2/NDF:3977109.0/28

All: 741.226+/-0.104 χ^2/NDF: 7417320.9/52



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -344.596+/-463.806 χ^2/NDF:15.9/9

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -434.553+/-477.096 χ^2/NDF:5.9/7

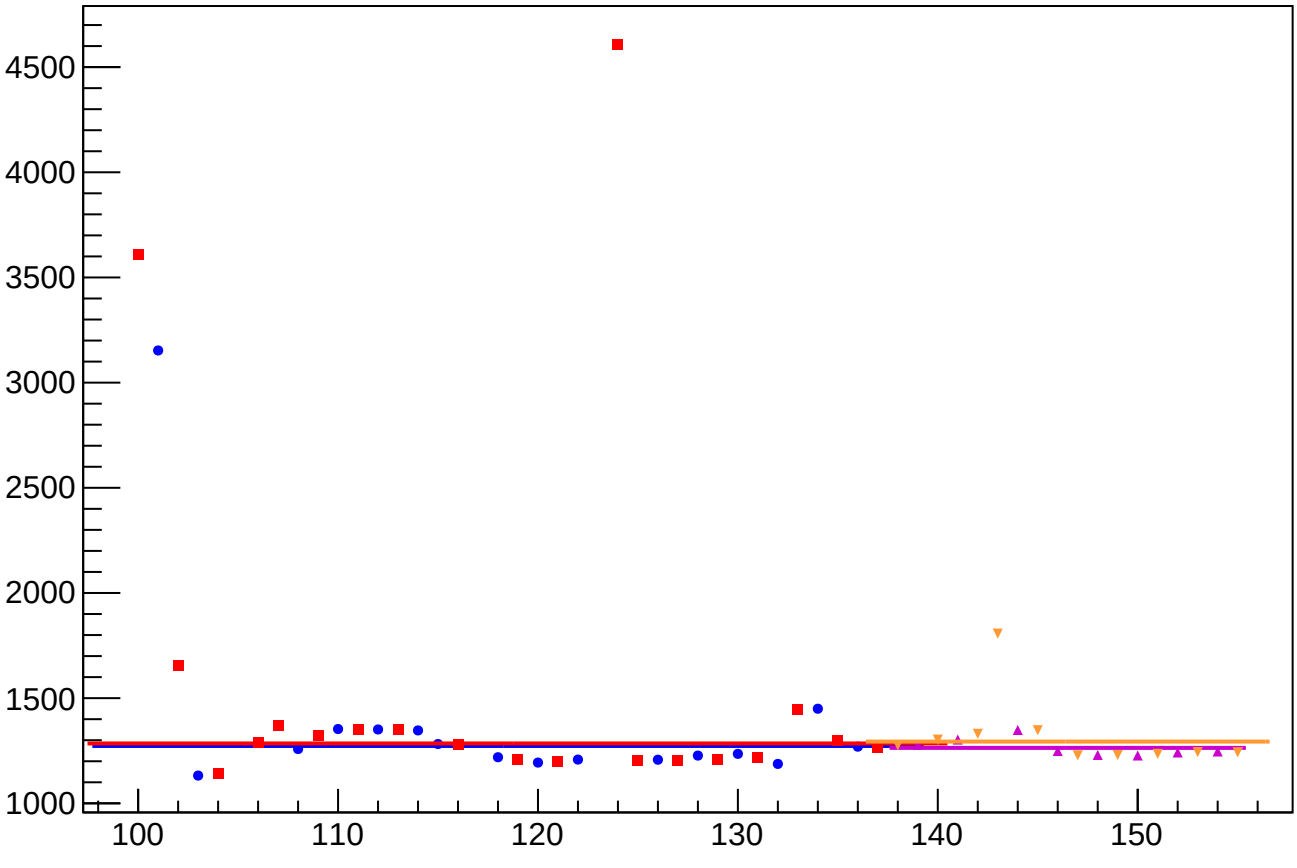
Left: -388.304+/-332.559 χ^2/NDF: 21.9/17

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 70.666+/-339.229 χ^2/NDF:25.3/23

Out: -394.579+/-333.985 χ^2/NDF:32.8/28

All: -165.580+/-237.995 χ^2/NDF: 59.0/52



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1293.541+/-0.328 χ^2/NDF:153867.4/9

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1263.597+/-0.337 χ^2/NDF:12938.6/7

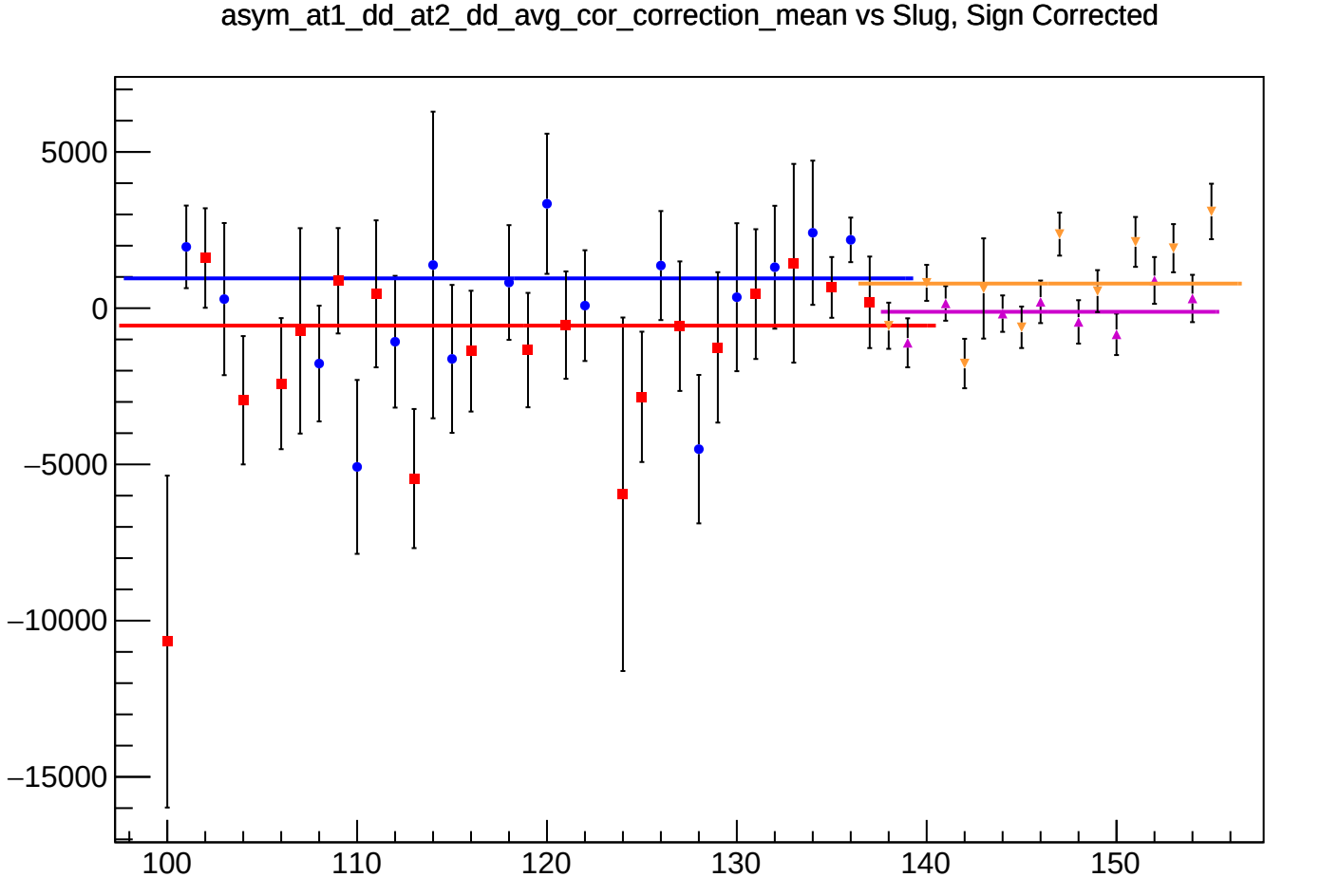
Left: 1278.992+/-0.235 χ^2/NDF: 170856.2/17

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1268.149+/-0.240 χ^2/NDF:532606.4/23

Out: 1289.262+/-0.236 χ^2/NDF:482955.8/28

All: 1278.870+/-0.168 χ^2/NDF: 1019496.0/52



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 787.460+/-236.068 χ^2/NDF:35.4/9

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -115.574+/-236.658 χ^2/NDF:5.6/7

Left: 337.070+/-167.134 χ^2/NDF: 48.2/17

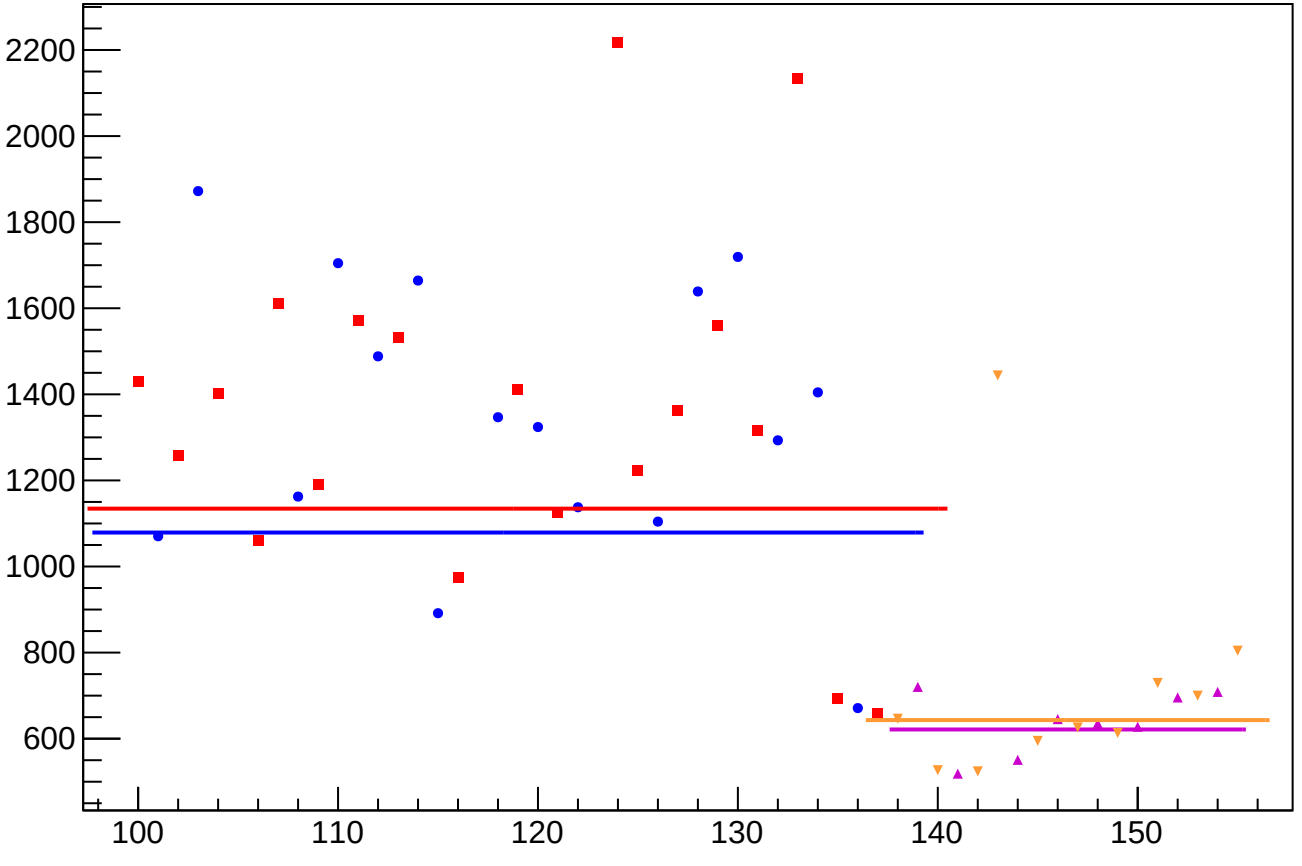
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 137.013+/-206.839 χ^2/NDF:30.3/23

Out: 487.549+/-208.100 χ^2/NDF:61.0/28

All: 311.216+/-146.701 χ^2/NDF: 92.7/52

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: 643.170+/-0.167 χ^2/NDF:741550.9/9

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 621.403+/-0.167 χ^2/NDF:179537.6/7

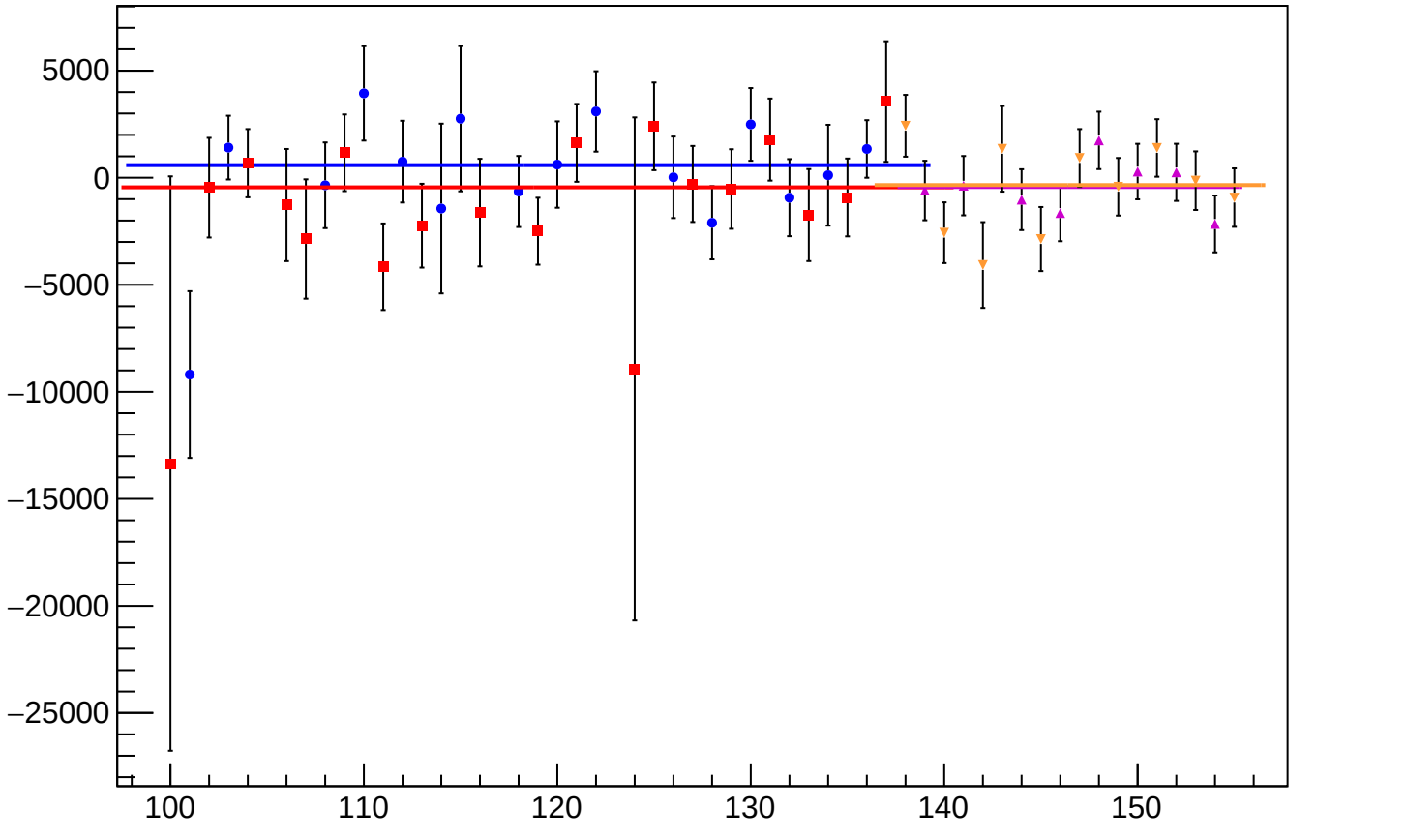
Left: 632.314+/-0.118 χ^2/NDF: 929569.8/17

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 729.436+/-0.146 χ^2/NDF:3423335.8/23

Out: 752.680+/-0.147 χ^2/NDF:3961155.3/28

All: 740.987+/-0.104 χ^2/NDF: 7397042.4/52



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -344.596+/-463.806 χ^2/NDF:15.9/9

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -434.553+/-477.096 χ^2/NDF:5.9/7

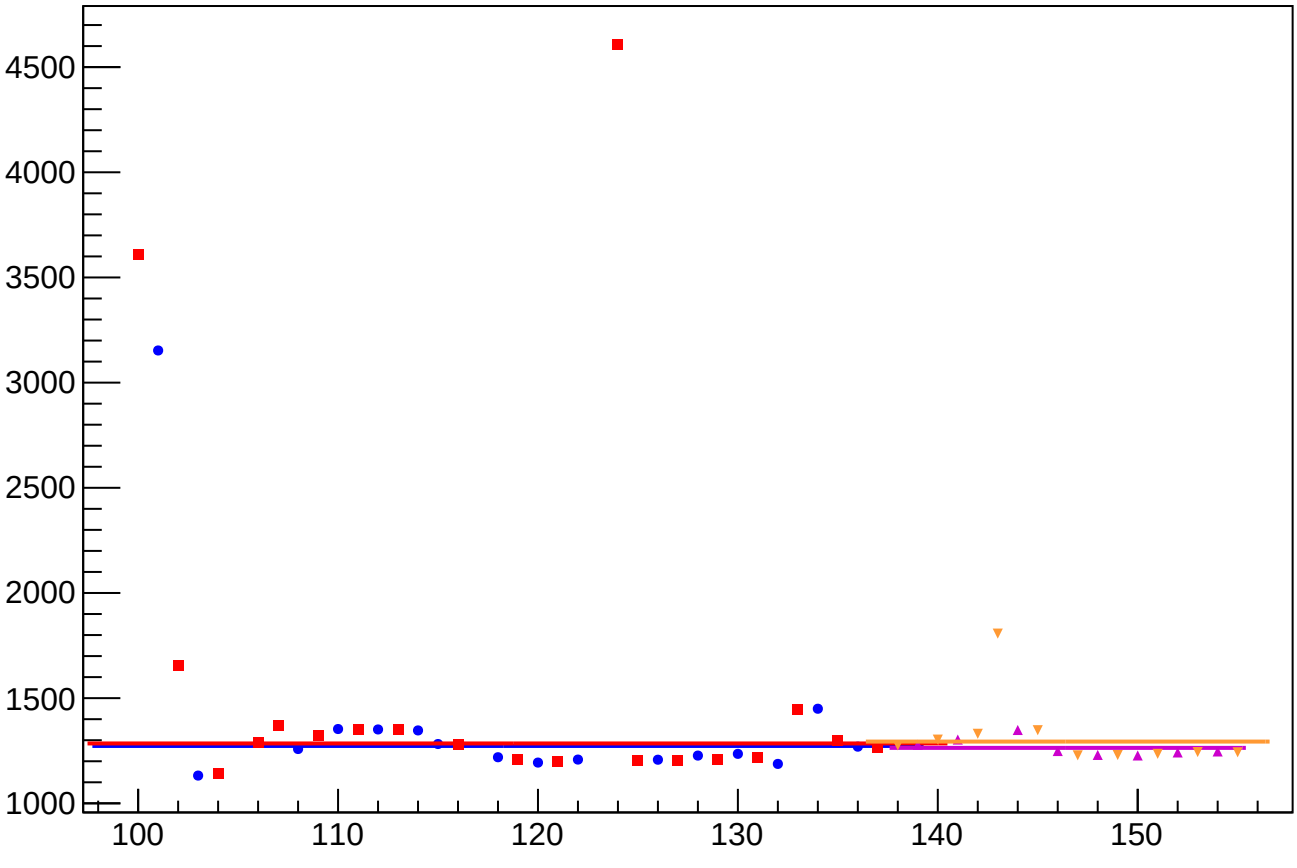
Left: -388.304+/-332.559 χ^2/NDF: 21.9/17

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 70.666+/-339.229 χ^2/NDF:25.3/23

Out: -394.579+/-333.985 χ^2/NDF:32.8/28

All: -165.580+/-237.995 χ^2/NDF: 59.0/52



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1293.541+/-0.328 χ^2/NDF:153867.4/9

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1263.597+/-0.337 χ^2/NDF:12938.6/7

Left: 1278.992+/-0.235 χ^2/NDF: 170856.2/17

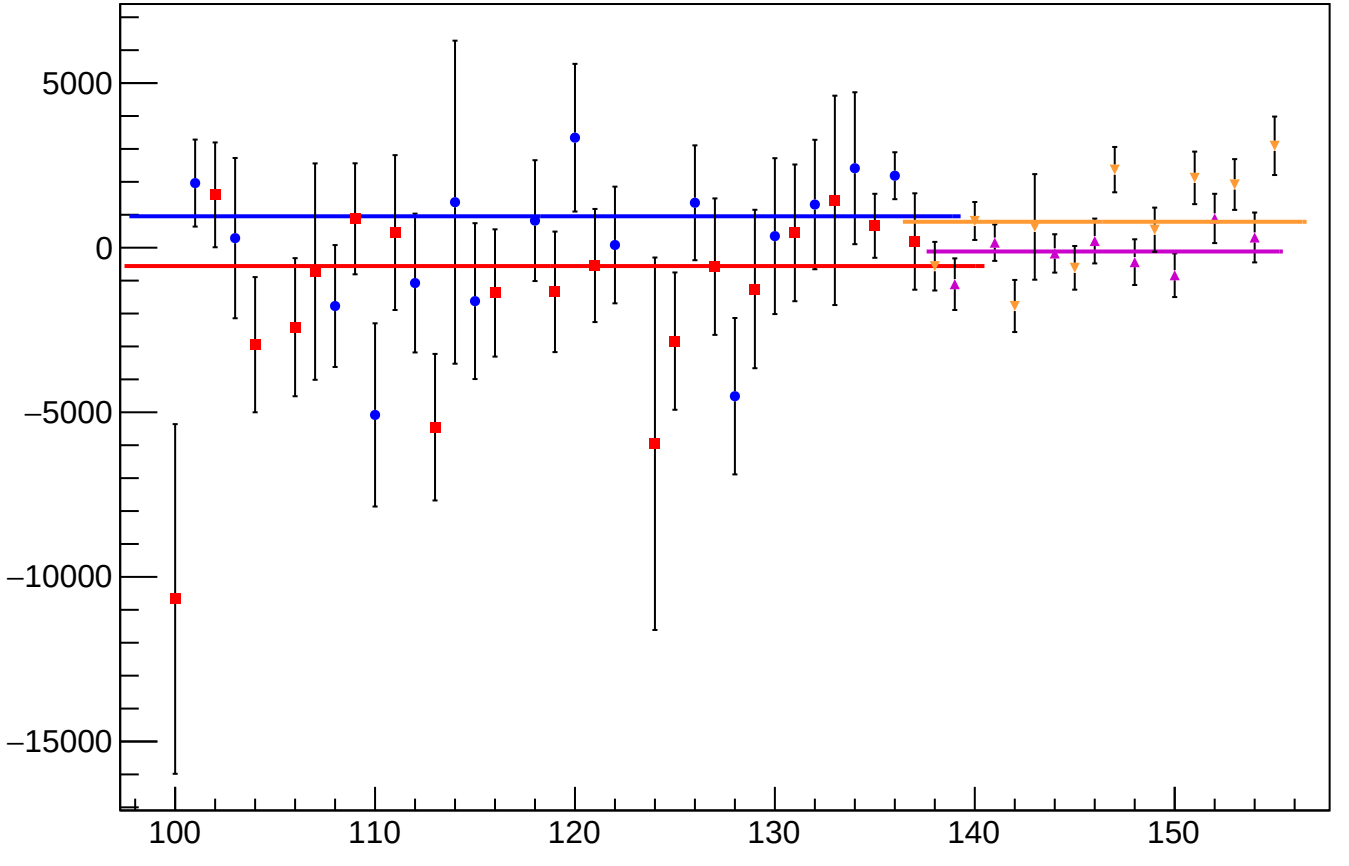
Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1268.149+/-0.240 χ^2/NDF:532606.4/23

Out: 1289.262+/-0.236 χ^2/NDF:482955.8/28

All: 1278.870+/-0.168 χ^2/NDF: 1019496.0/52

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 787.460+/-236.068 χ^2/NDF:35.4/9

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -115.574+/-236.658 χ^2/NDF:5.6/7

Left: 337.070+/-167.134 χ^2/NDF: 48.2/17

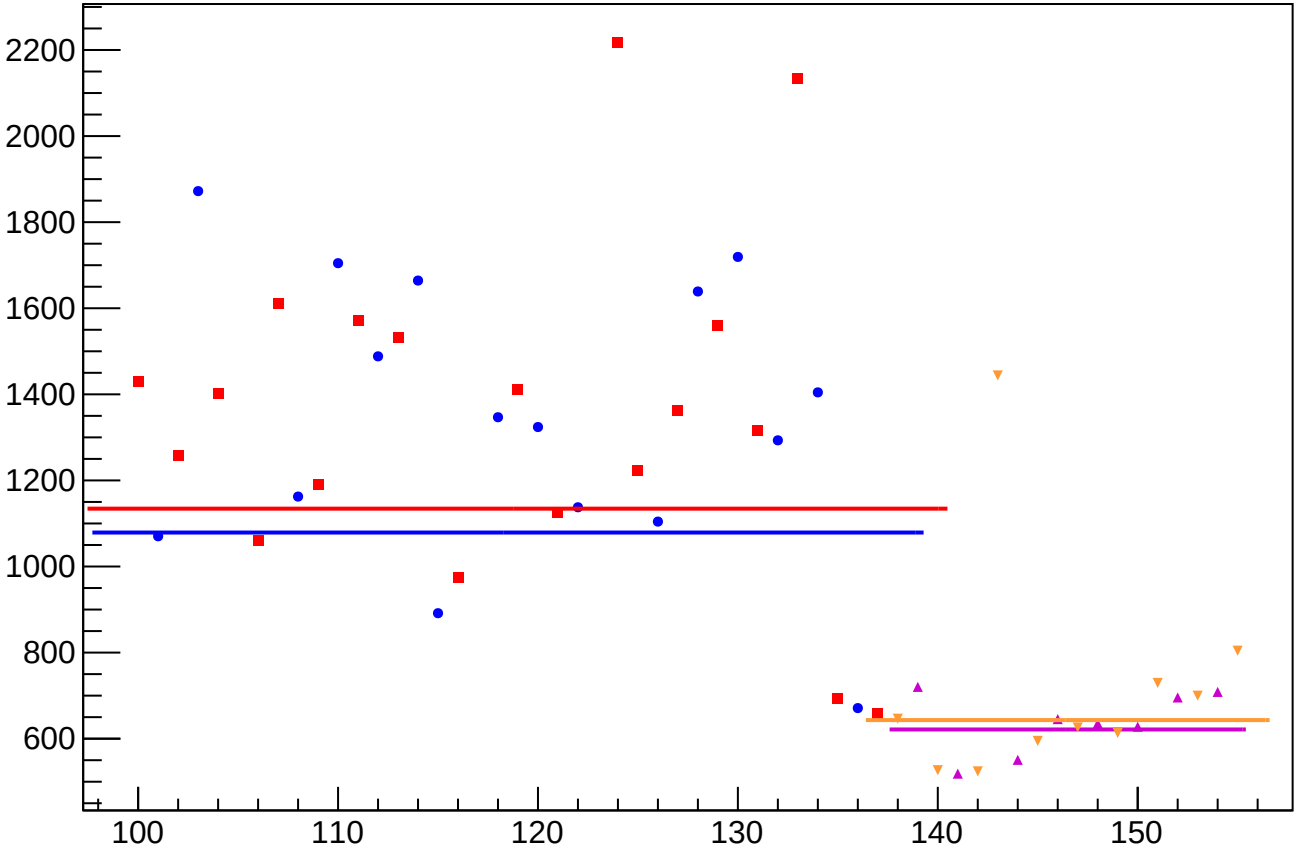
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 137.013+/-206.839 χ^2/NDF:30.3/23

Out: 487.549+/-208.100 χ^2/NDF:61.0/28

All: 311.216+/-146.701 χ^2/NDF: 92.7/52

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: 643.170+/-0.167 χ^2/NDF:741550.9/9

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 621.403+/-0.167 χ^2/NDF:179537.6/7

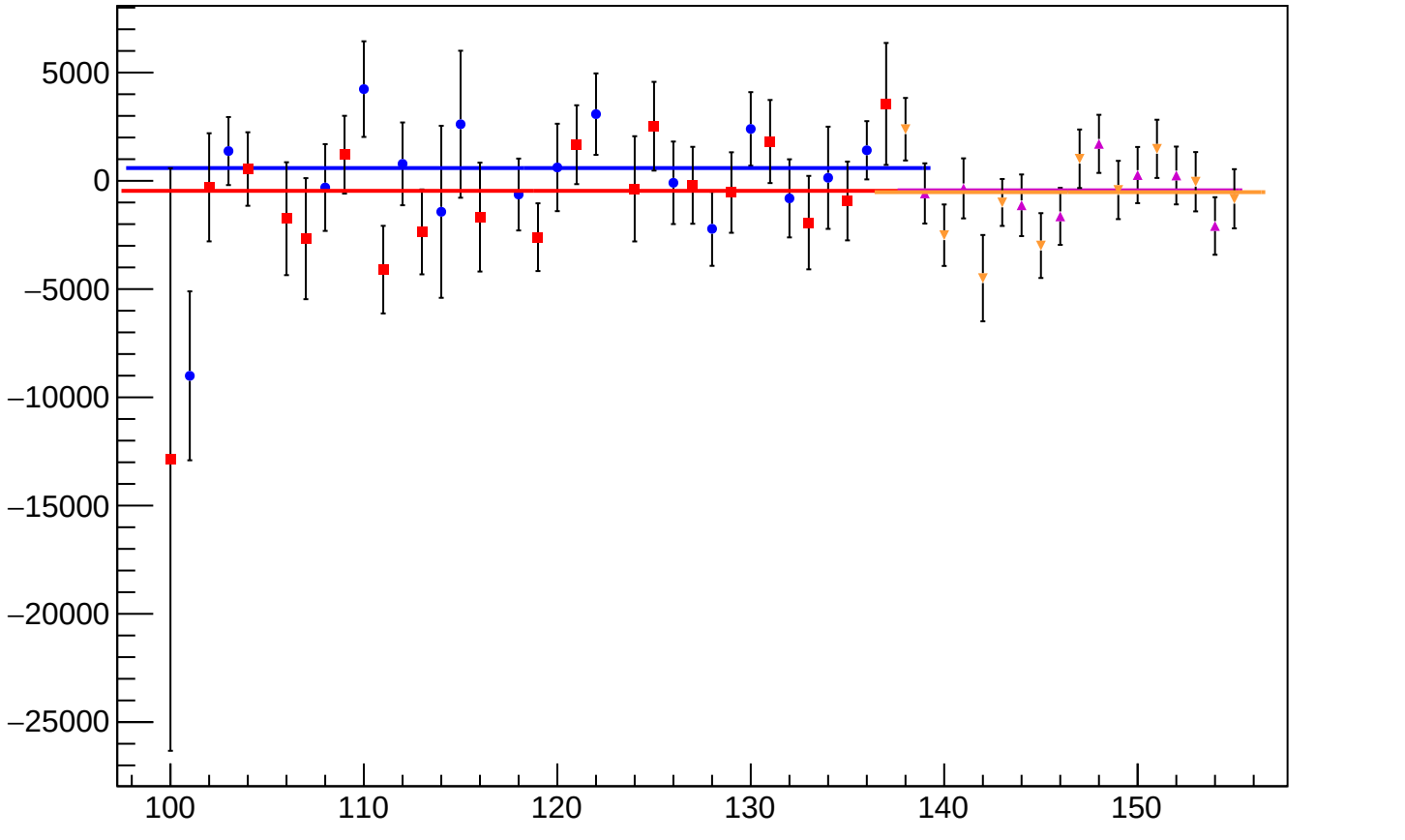
Left: 632.314+/-0.118 χ^2/NDF: 929569.8/17

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 729.436+/-0.146 χ^2/NDF:3423335.8/23

Out: 752.680+/-0.147 χ^2/NDF:3961155.3/28

All: 740.987+/-0.104 χ^2/NDF: 7397042.4/52



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -522.476+/-436.627 χ^2/NDF:16.6/9

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -438.861+/-477.478 χ^2/NDF:5.7/7

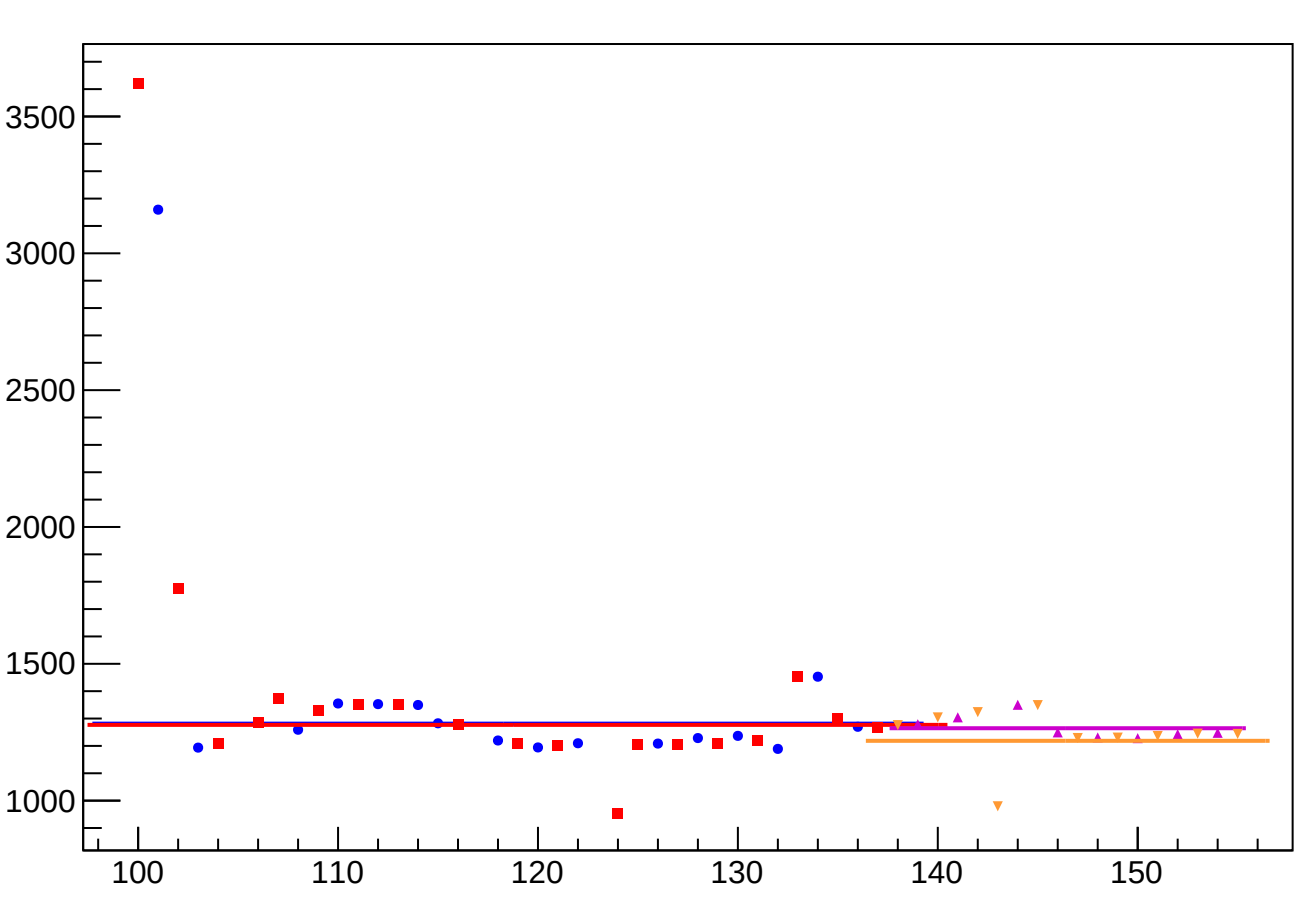
Left: -484.398+/-322.218 χ^2/NDF: 22.3/17

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 67.176+/-340.423 χ^2/NDF:25.1/23

Out: -495.169+/-322.008 χ^2/NDF:33.3/28

All: -229.617+/-233.933 χ^2/NDF: 59.9/52



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1218.582+/-0.309 χ^2/NDF:130614.6/9

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1264.603+/-0.338 χ^2/NDF:13065.7/7

Left: 1239.540+/-0.228 χ^2/NDF: 153798.8/17

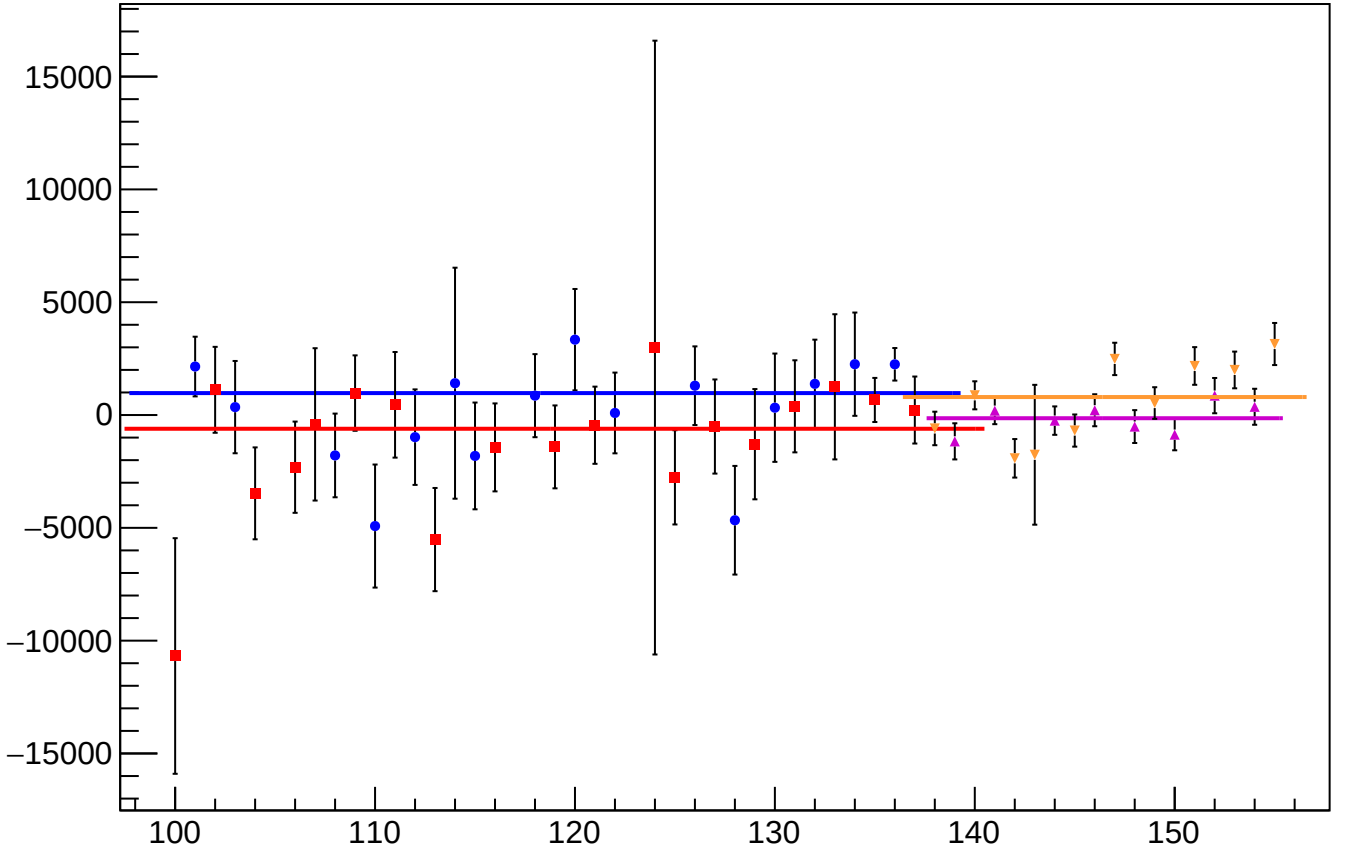
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1272.846+/-0.241 χ^2/NDF:521356.6/23

Out: 1245.163+/-0.228 χ^2/NDF:367379.8/28

All: 1258.236+/-0.165 χ^2/NDF: 895716.8/52

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: 796.847+/-250.643 χ^2/NDF:35.6/9

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -141.627+/-249.799 χ^2/NDF:5.6/7

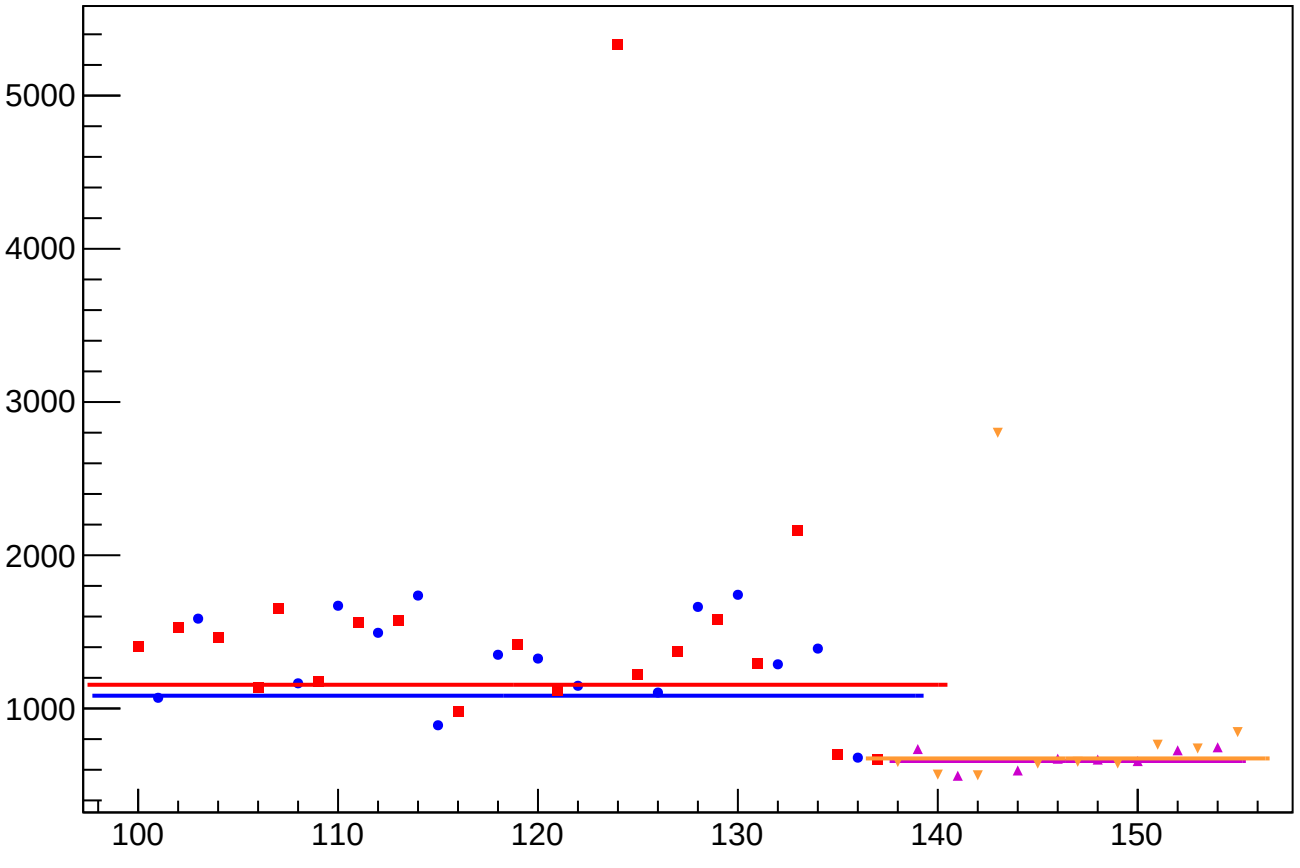
Left: 326.027+/-176.932 χ^2/NDF: 48.3/17

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 144.166+/-215.383 χ^2/NDF:31.2/23

Out: 461.539+/-218.706 χ^2/NDF:60.2/28

All: 300.424+/-153.460 χ^2/NDF: 92.5/52



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 673.938+/-0.177 χ^2/NDF:1148174.3/9

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 657.228+/-0.177 χ^2/NDF:132234.9/7

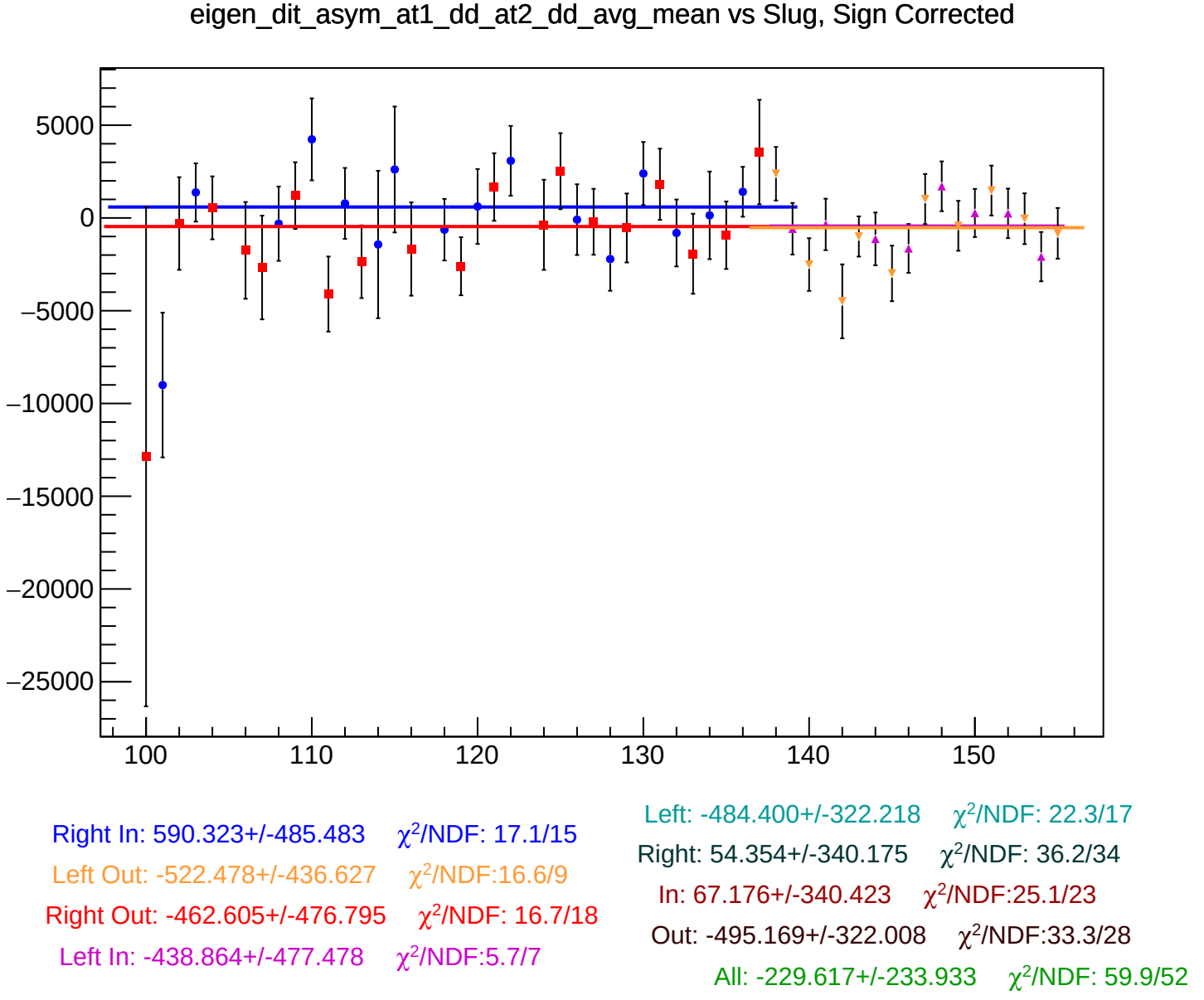
Left: 665.555+/-0.125 χ^2/NDF: 1284868.6/17

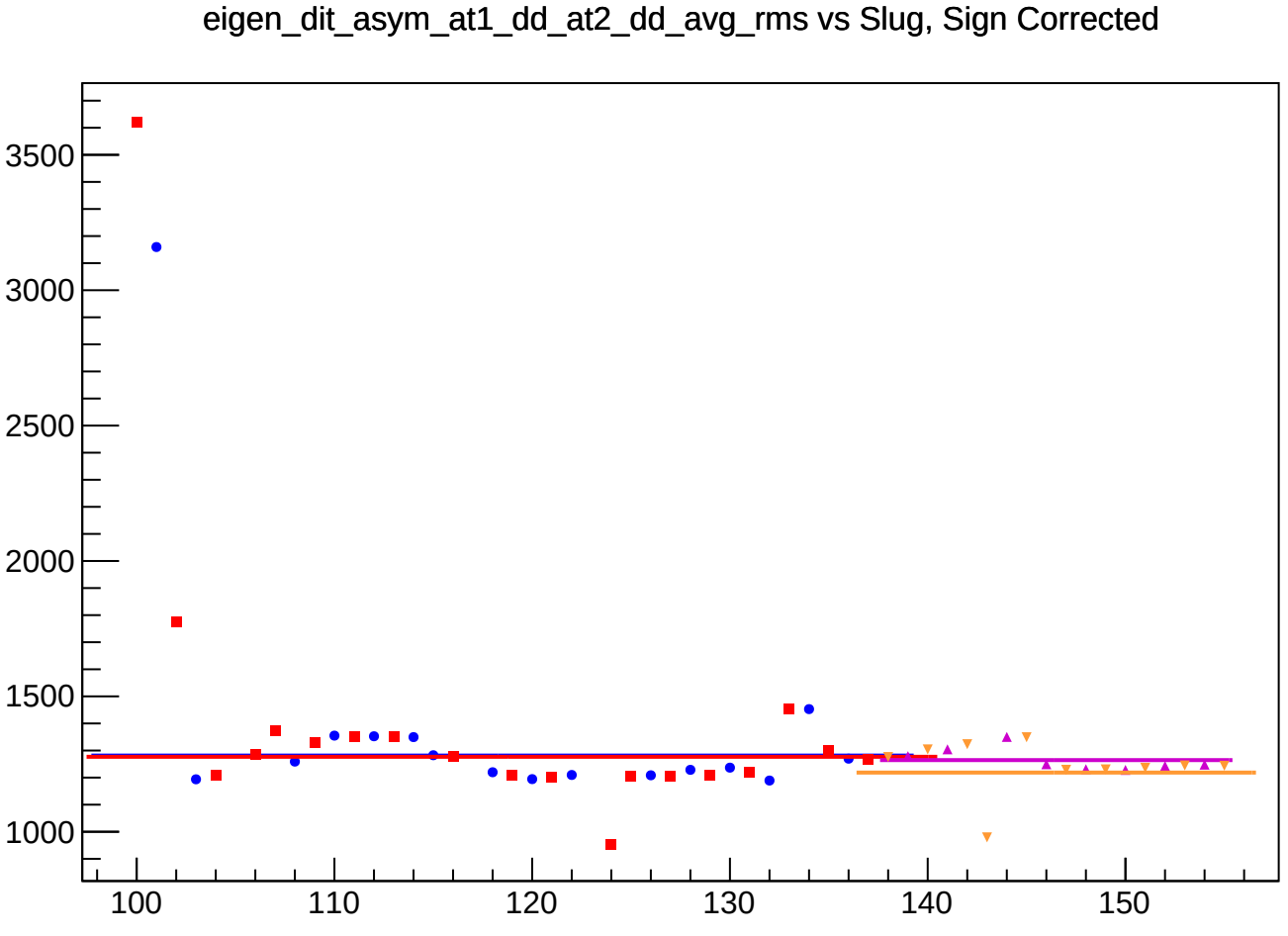
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 766.553+/-0.152 χ^2/NDF:2985468.9/23

Out: 788.656+/-0.155 χ^2/NDF:4392395.0/28

All: 777.435+/-0.109 χ^2/NDF: 7388234.3/52


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: -522.478+/-436.627 χ²/NDF:16.6/9
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -438.864+/-477.478 χ²/NDF:5.7/7
Left: -484.400+/-322.218 χ²/NDF: 22.3/17
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 67.176+/-340.423 χ²/NDF:25.1/23
Out: -495.169+/-322.008 χ²/NDF:33.3/28
All: -229.617+/-233.933 χ²/NDF: 59.9/52



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1218.582+/-0.309 χ^2/NDF:130613.9/9

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1264.603+/-0.338 χ^2/NDF:13065.7/7

Left: 1239.540+/-0.228 χ^2/NDF: 153798.0/17

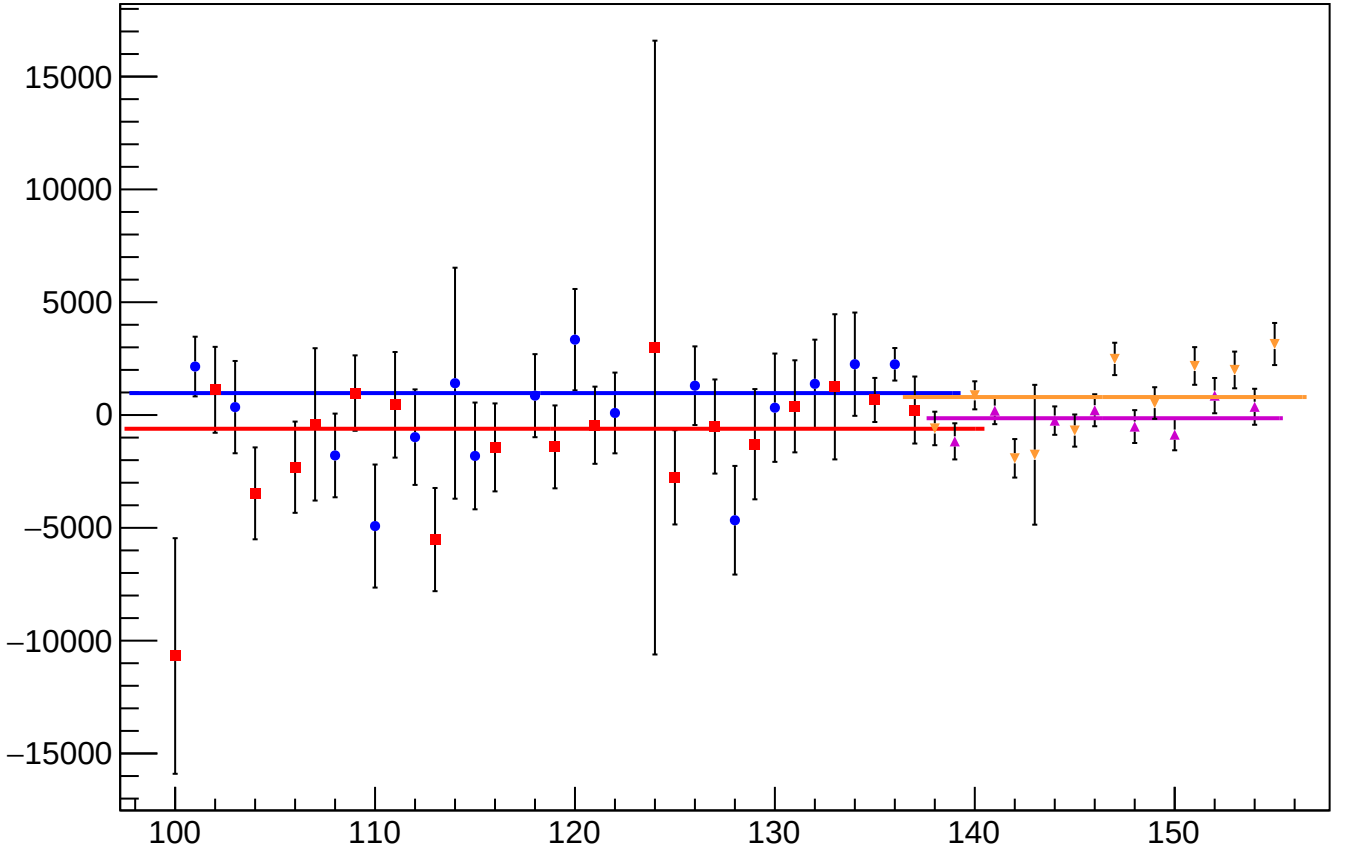
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1272.846+/-0.241 χ^2/NDF:521356.7/23

Out: 1245.163+/-0.228 χ^2/NDF:367378.8/28

All: 1258.236+/-0.165 χ^2/NDF: 895715.9/52

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 796.852+/-250.644 χ^2/NDF:35.6/9

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -141.628+/-249.799 χ^2/NDF:5.6/7

Left: 326.028+/-176.933 χ^2/NDF: 48.3/17

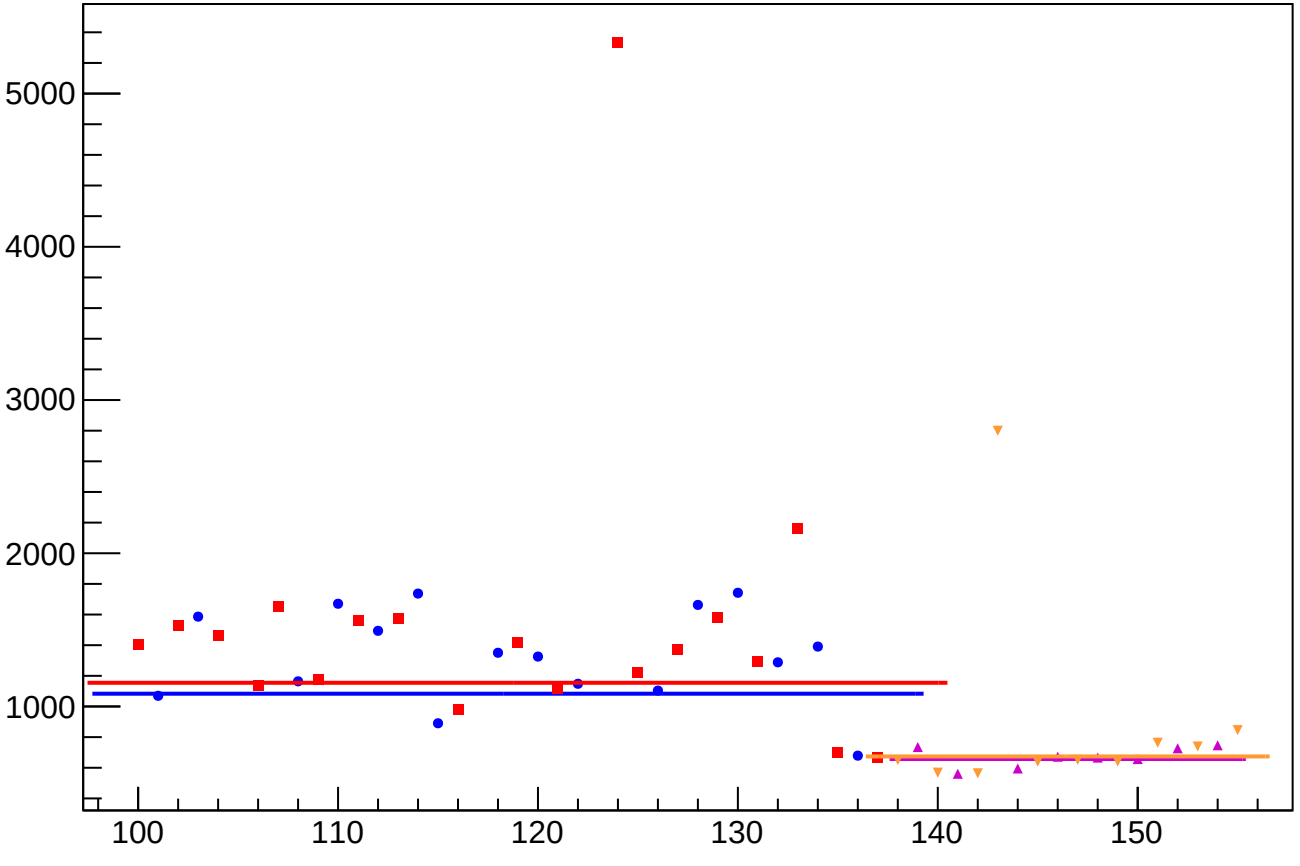
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 144.162+/-215.384 χ^2/NDF:31.2/23

Out: 461.542+/-218.707 χ^2/NDF:60.2/28

All: 300.423+/-153.461 χ^2/NDF: 92.5/52

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 673.939+/-0.177 χ^2/NDF:1148166.9/9

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 657.228+/-0.177 χ^2/NDF:132237.2/7

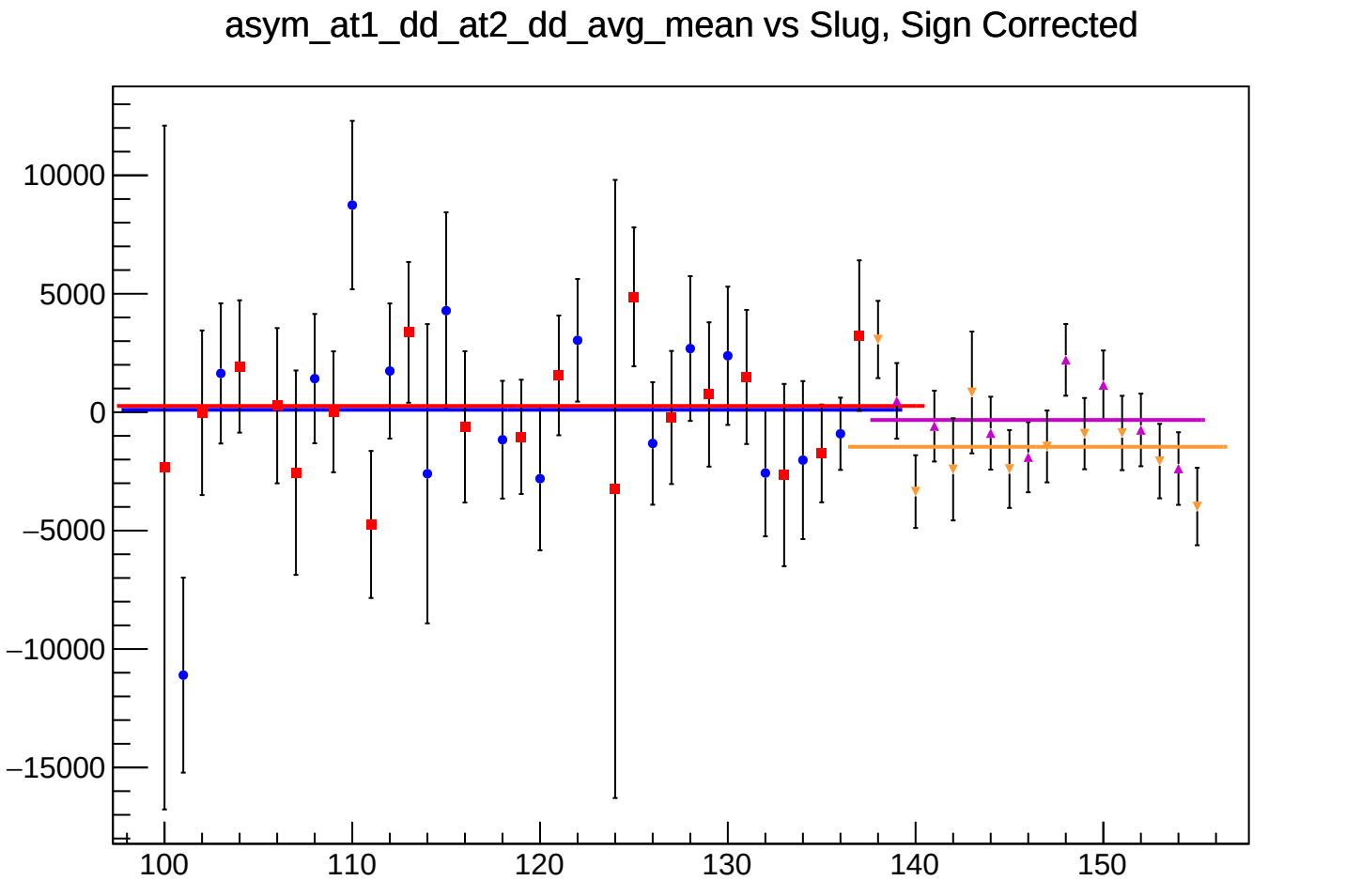
Left: 665.555+/-0.125 χ^2/NDF: 1284864.6/17

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 766.554+/-0.152 χ^2/NDF:2985453.8/23

Out: 788.659+/-0.155 χ^2/NDF:4392363.7/28

All: 777.437+/-0.109 χ^2/NDF: 7388189.6/52



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1462.379+/-527.266 χ^2/NDF:13.3/9

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -328.567+/-536.370 χ^2/NDF:7.2/7

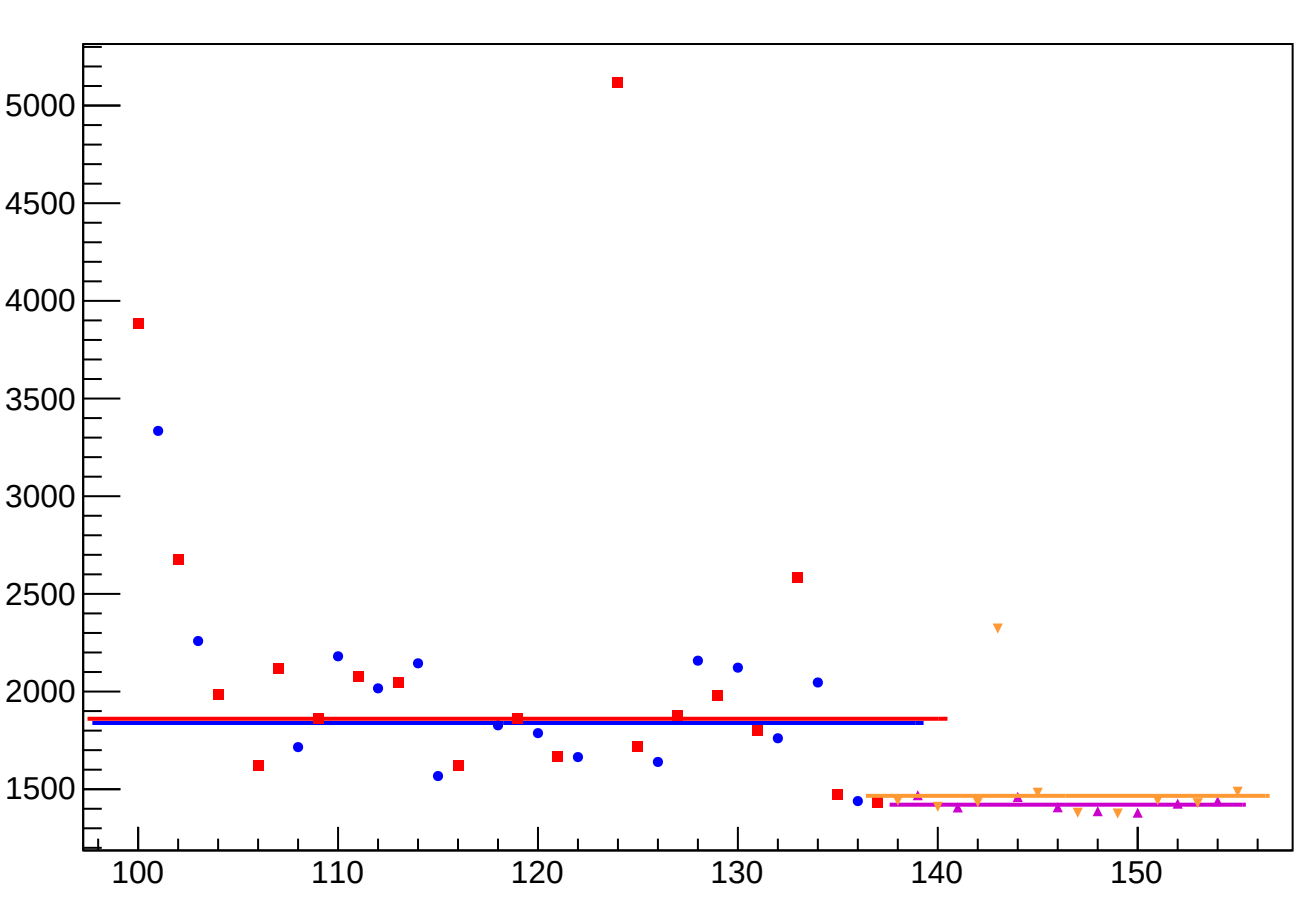
Left: -905.177+/-376.010 χ^2/NDF: 22.9/17

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: -169.569+/-425.524 χ^2/NDF:28.8/23

Out: -837.598+/-421.097 χ^2/NDF:27.6/28

All: -507.077+/-299.314 χ^2/NDF: 57.6/52



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1466.140+/-0.373 χ^2/NDF:241238.4/9

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1420.773+/-0.379 χ^2/NDF:6340.0/7

Left: 1443.845+/-0.266 χ^2/NDF: 254854.9/17

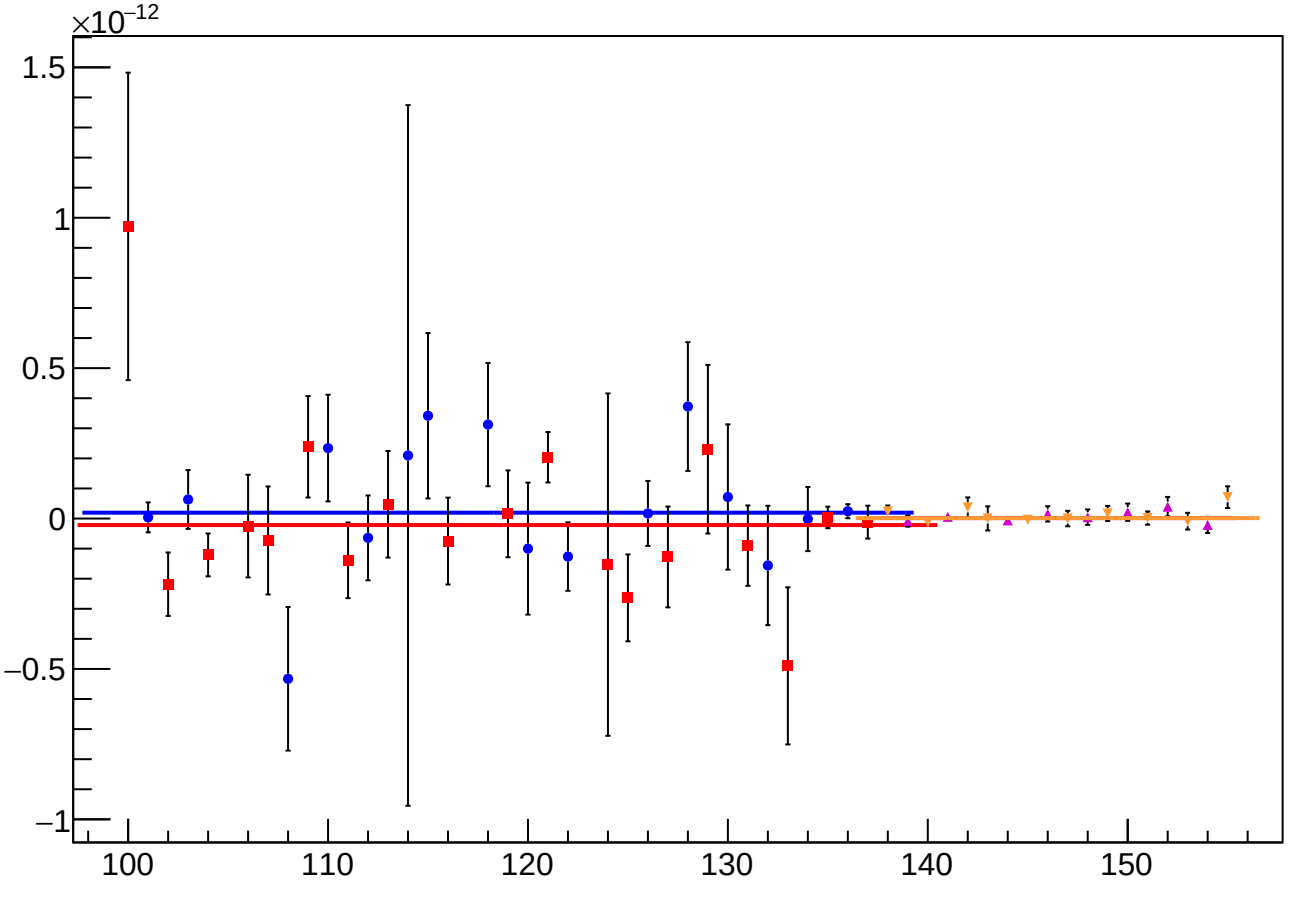
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1575.814+/-0.301 χ^2/NDF:1013961.9/23

Out: 1609.059+/-0.298 χ^2/NDF:1169078.1/28

All: 1592.610+/-0.212 χ^2/NDF: 2189207.7/52

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:8.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/7

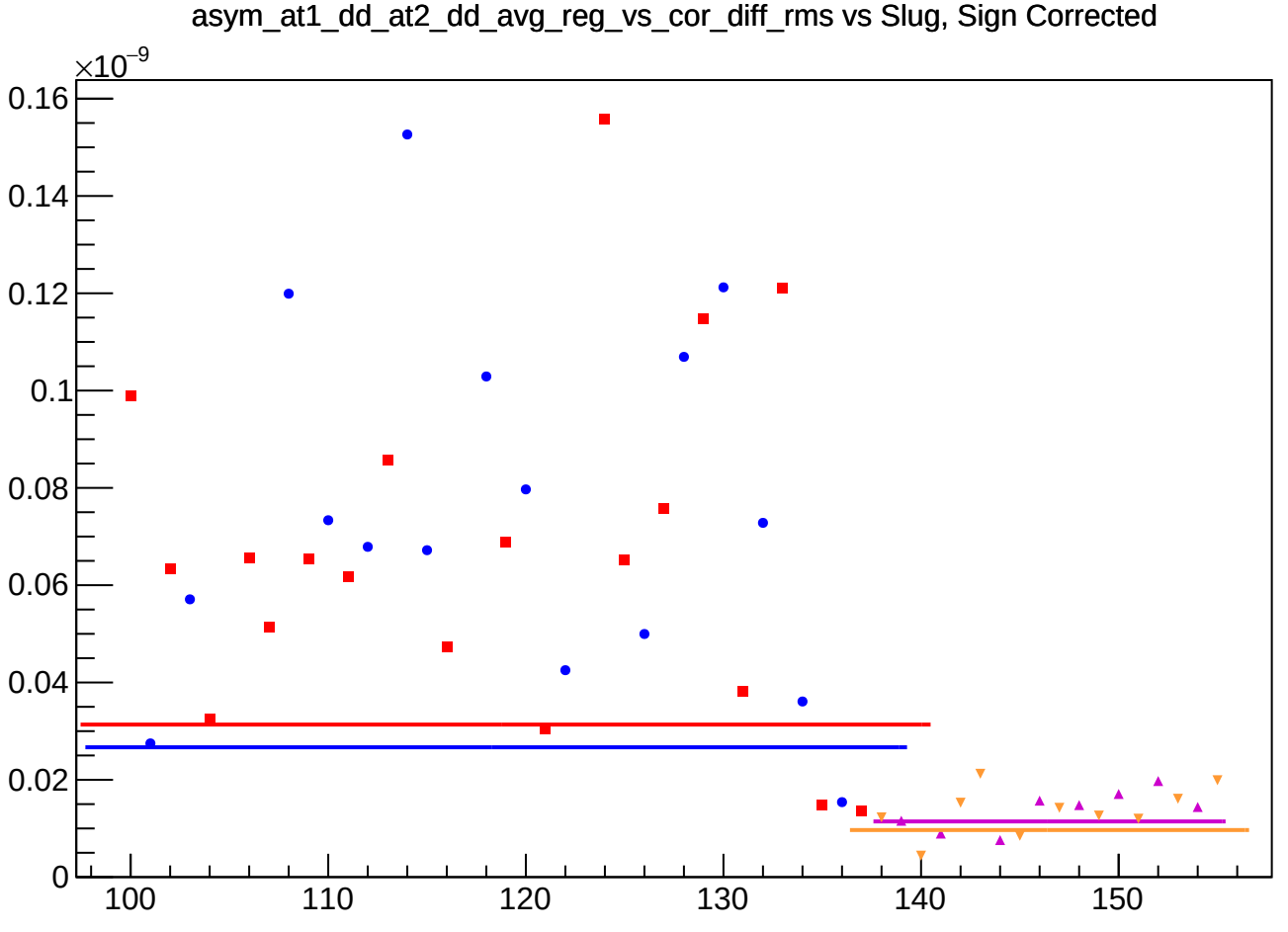
Left: 0.000+/-0.000 χ^2/NDF: 12.0/17

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:20.8/23

Out: -0.000+/-0.000 χ^2/NDF:37.6/28

All: 0.000+/-0.000 χ^2/NDF: 58.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1135929.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:536561.0/7

Left: 0.000+/-0.000 χ^2/NDF: 1738679.3/17

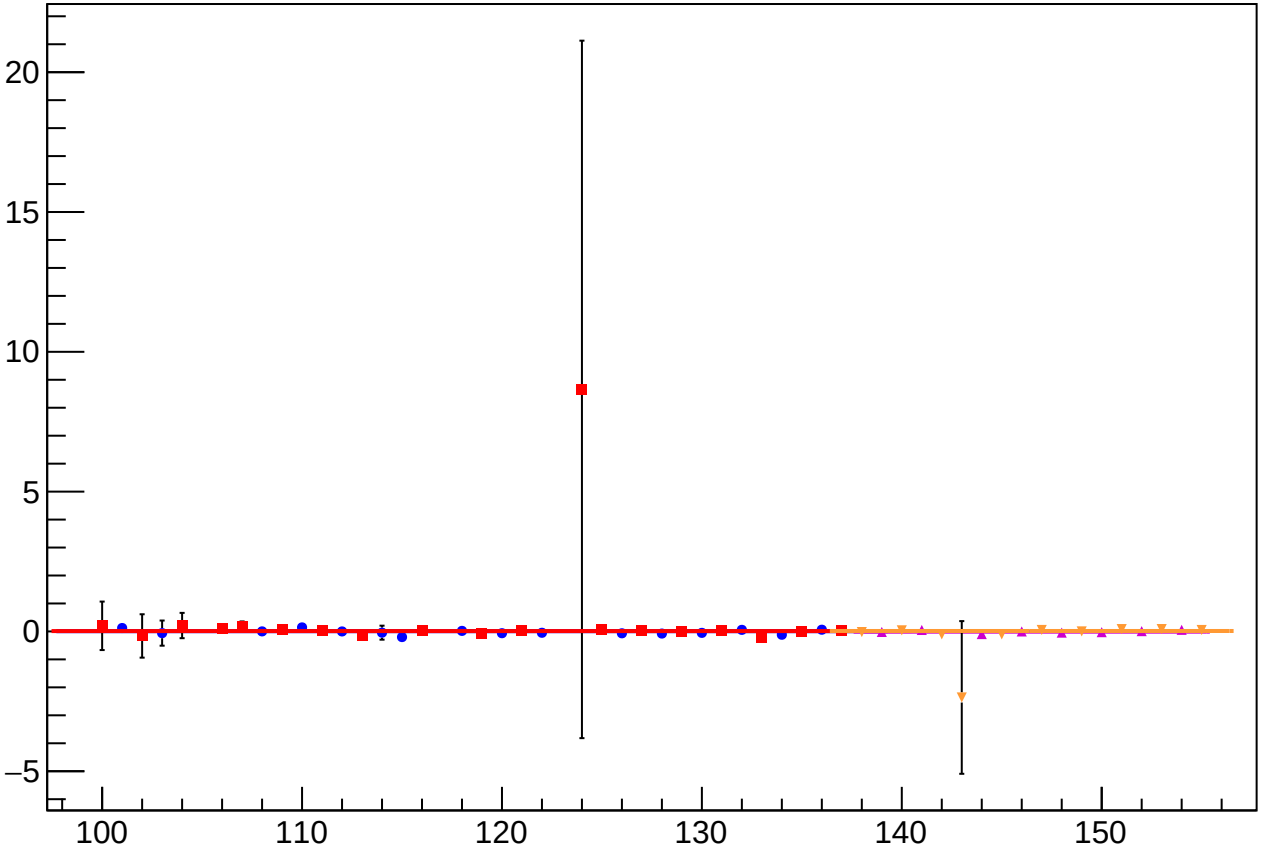
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4259638.1/23

Out: 0.000+/-0.000 χ^2/NDF:5156497.4/28

All: 0.000+/-0.000 χ^2/NDF: 9520955.1/52

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: 0.016+/-0.015 χ^2/NDF:14.3/9

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.003+/-0.010 χ^2/NDF: 22.0/17

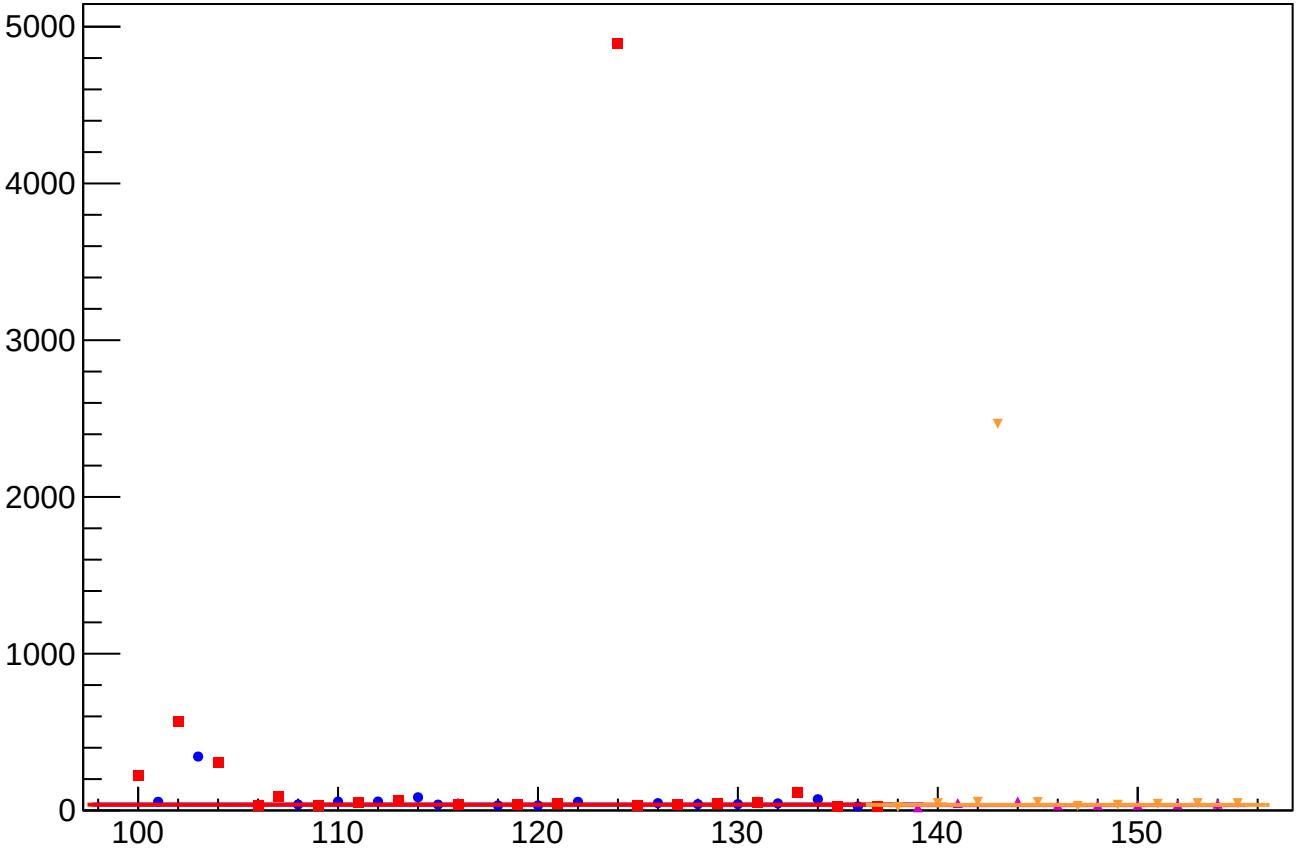
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.014+/-0.011 χ^2/NDF:26.9/28

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

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: 35.641+/-0.010 χ^2/NDF:2680727.1/9

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.041+/-0.010 χ^2/NDF:1008115.1/7

Left: 34.816+/-0.007 χ^2/NDF: 3700853.3/17

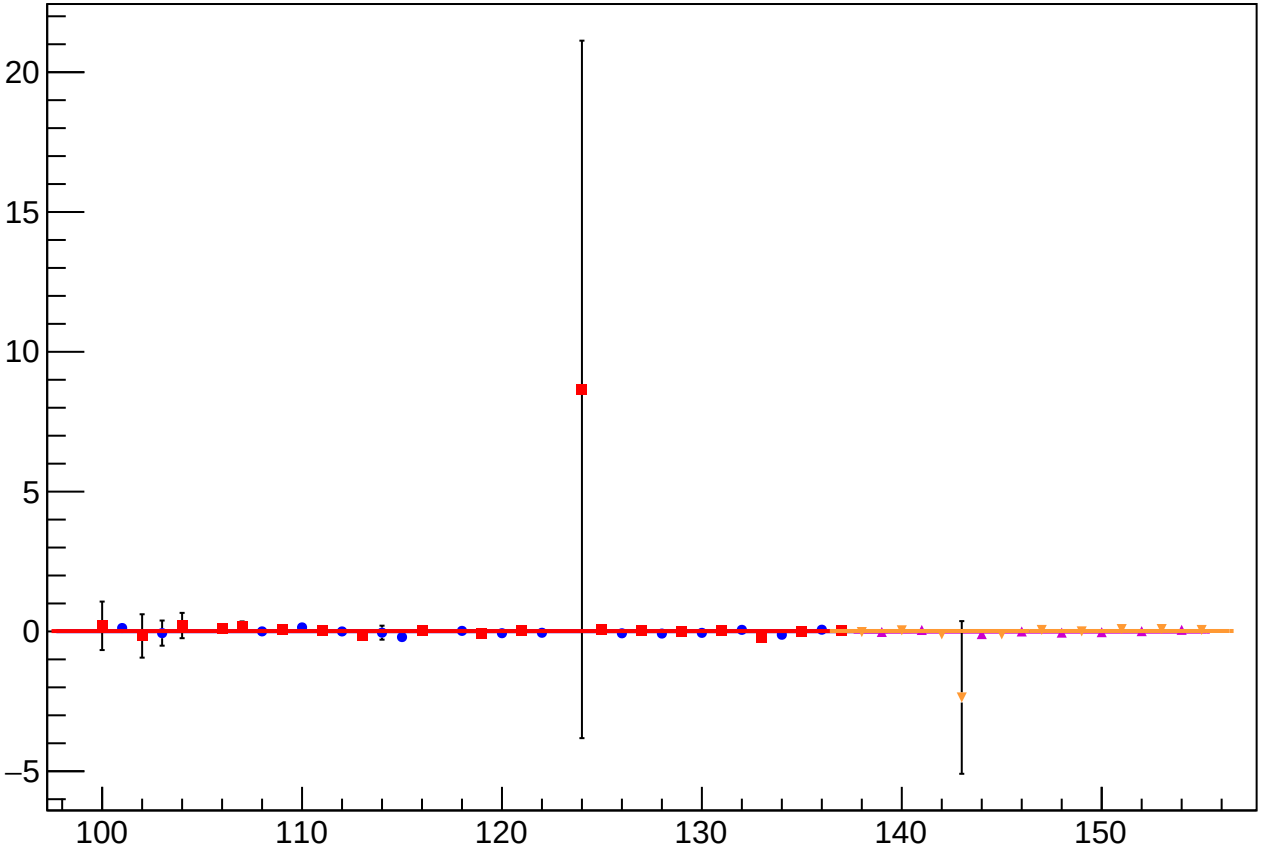
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.574+/-0.008 χ^2/NDF:3042676.1/23

Out: 36.140+/-0.008 χ^2/NDF:5876536.2/28

All: 35.848+/-0.005 χ^2/NDF: 8921913.8/52

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: 0.016+/-0.015 χ^2/NDF:14.3/9

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.003+/-0.010 χ^2/NDF: 22.0/17

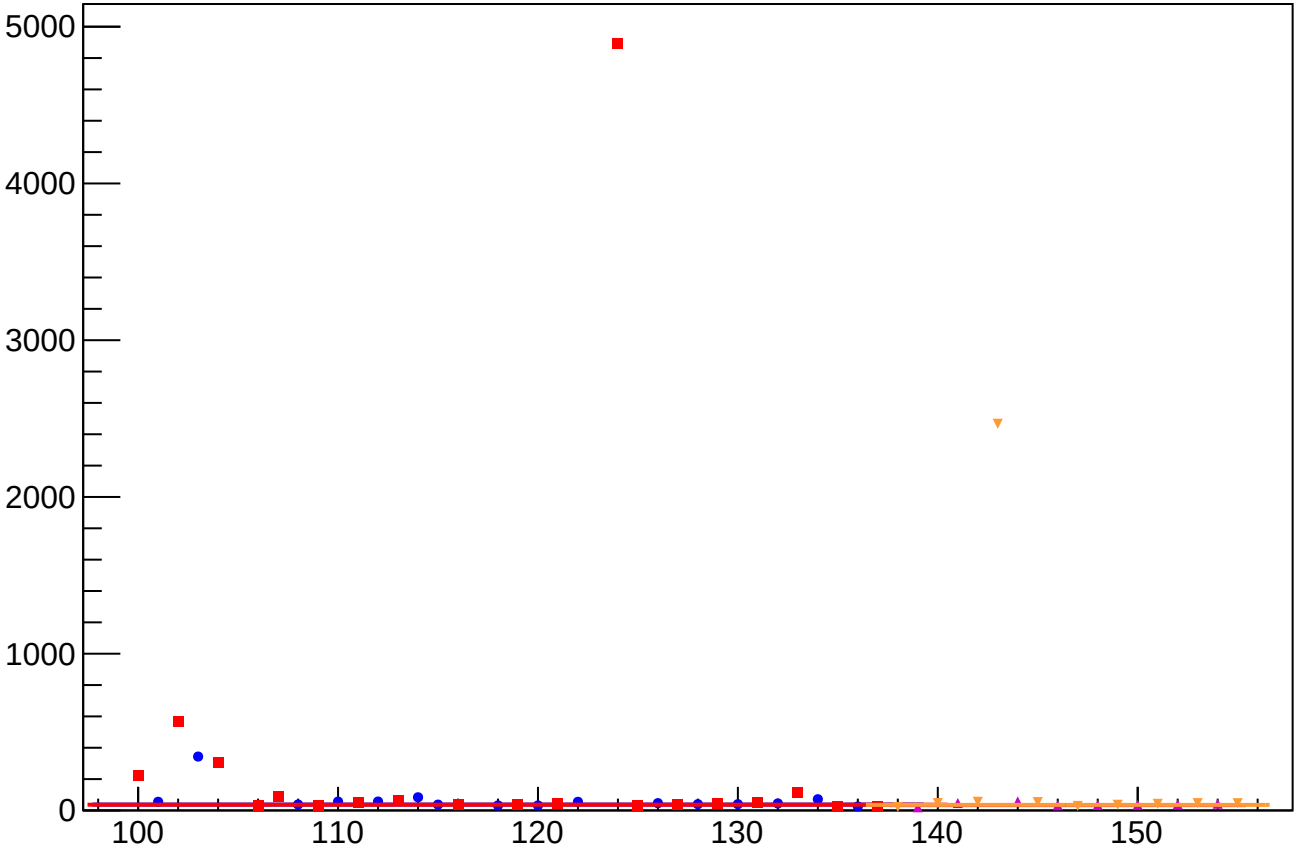
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.014+/-0.011 χ^2/NDF:26.9/28

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

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: 35.641+/-0.010 χ^2/NDF:2680727.1/9

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 34.041+/-0.010 χ^2/NDF:1008115.1/7

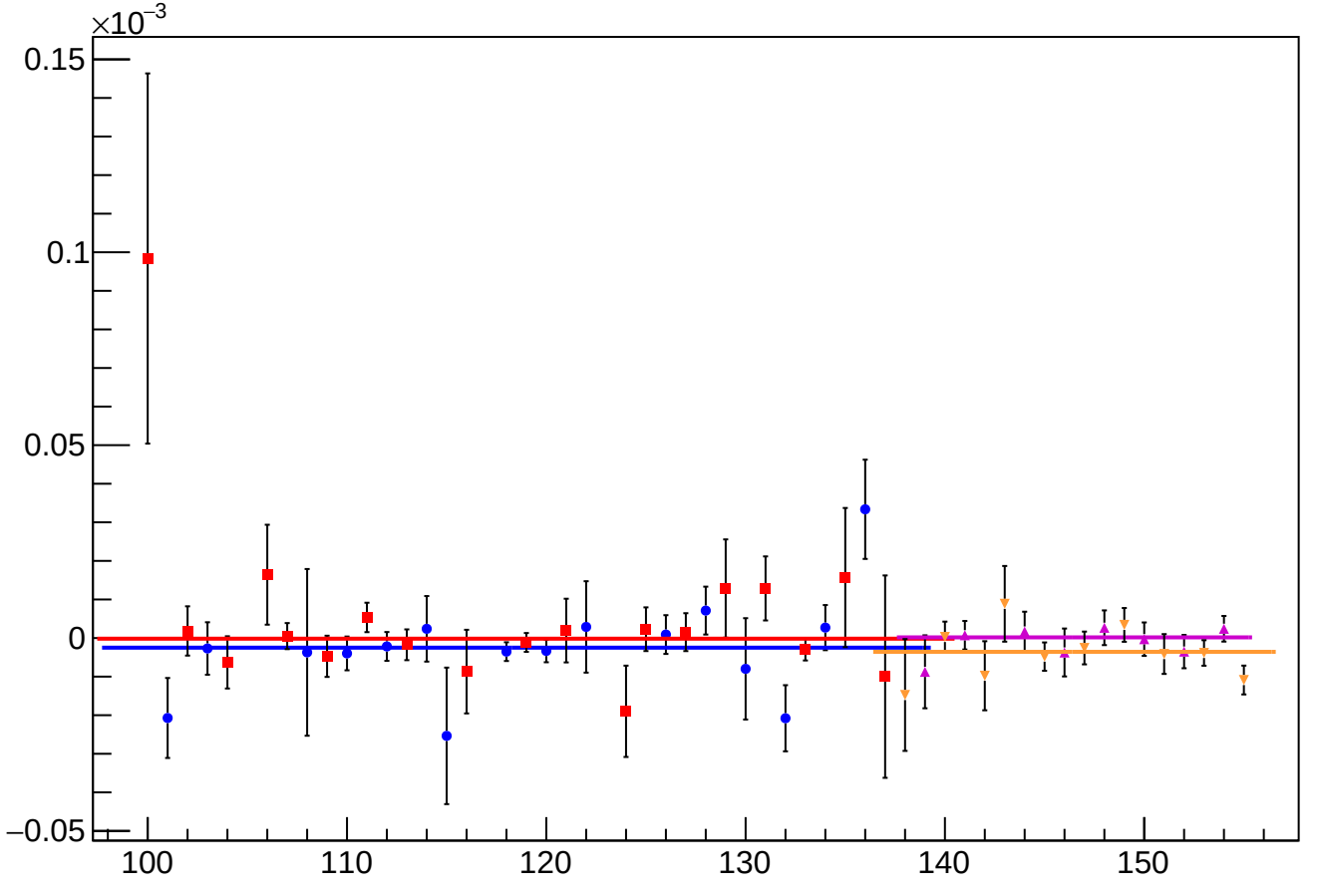
Left: 34.816+/-0.007 χ^2/NDF: 3700853.3/17

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.574+/-0.008 χ^2/NDF:3042676.1/23

Out: 36.140+/-0.008 χ^2/NDF:5876536.2/28

All: 35.848+/-0.005 χ^2/NDF: 8921913.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/7

Left: -0.000+/-0.000 χ^2/NDF: 16.1/17

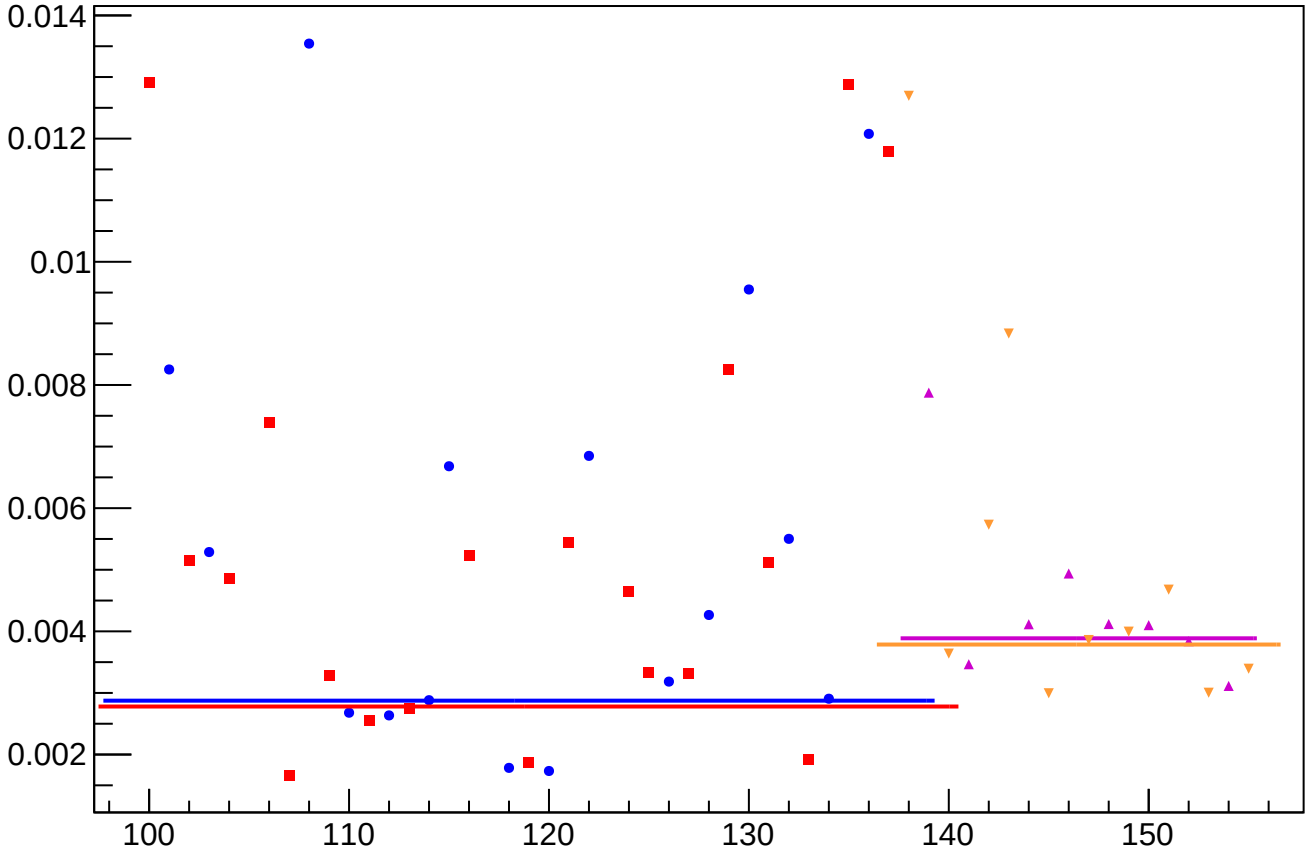
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:26.4/23

Out: -0.000+/-0.000 χ^2/NDF:32.4/28

All: -0.000+/-0.000 χ^2/NDF: 58.8/52

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:1674830.2/9

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:561970.4/7

Left: 0.004+/-0.000 χ^2/NDF: 2241197.1/17

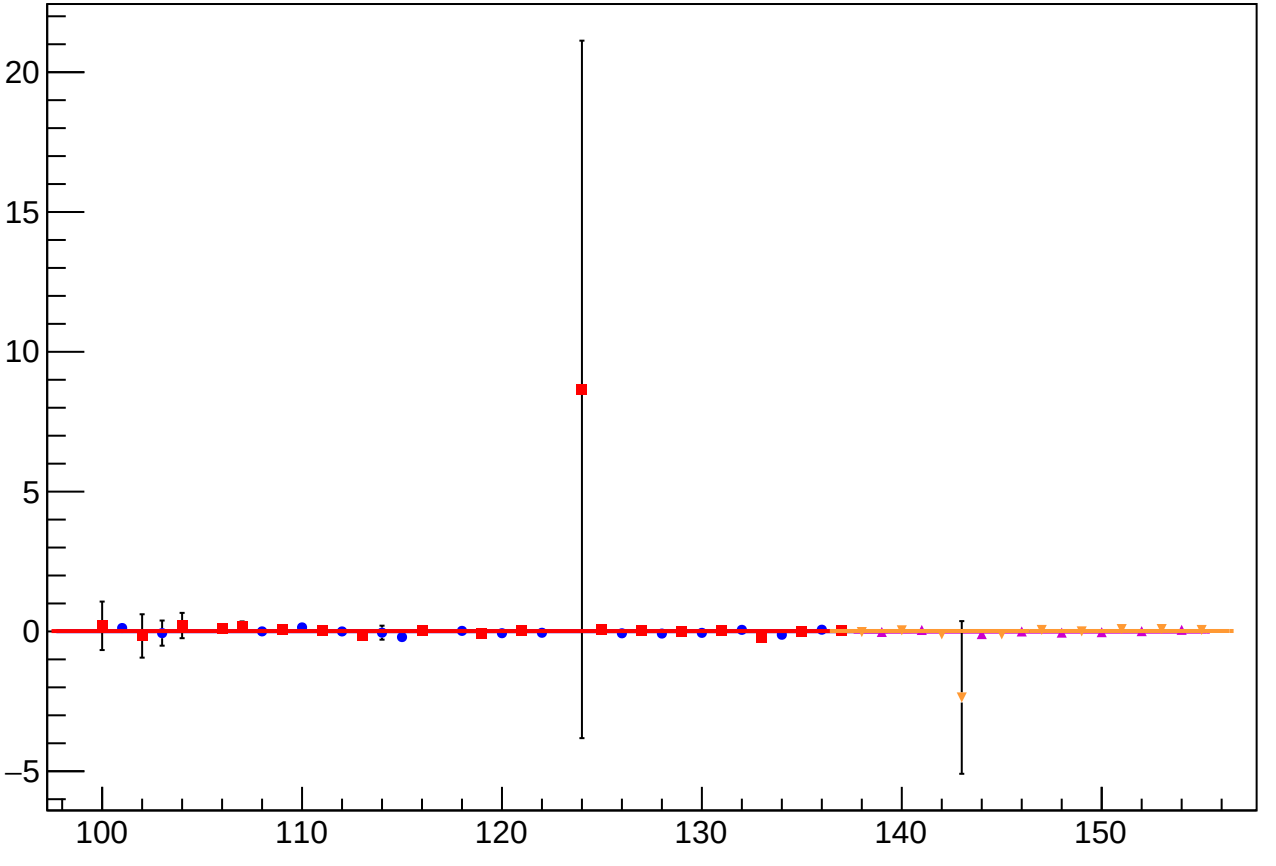
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5198199.0/23

Out: 0.003+/-0.000 χ^2/NDF:5566555.8/28

All: 0.003+/-0.000 χ^2/NDF: 10776708.0/52

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: 0.016+/-0.015 χ^2/NDF:14.3/9

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.003+/-0.010 χ^2/NDF: 22.0/17

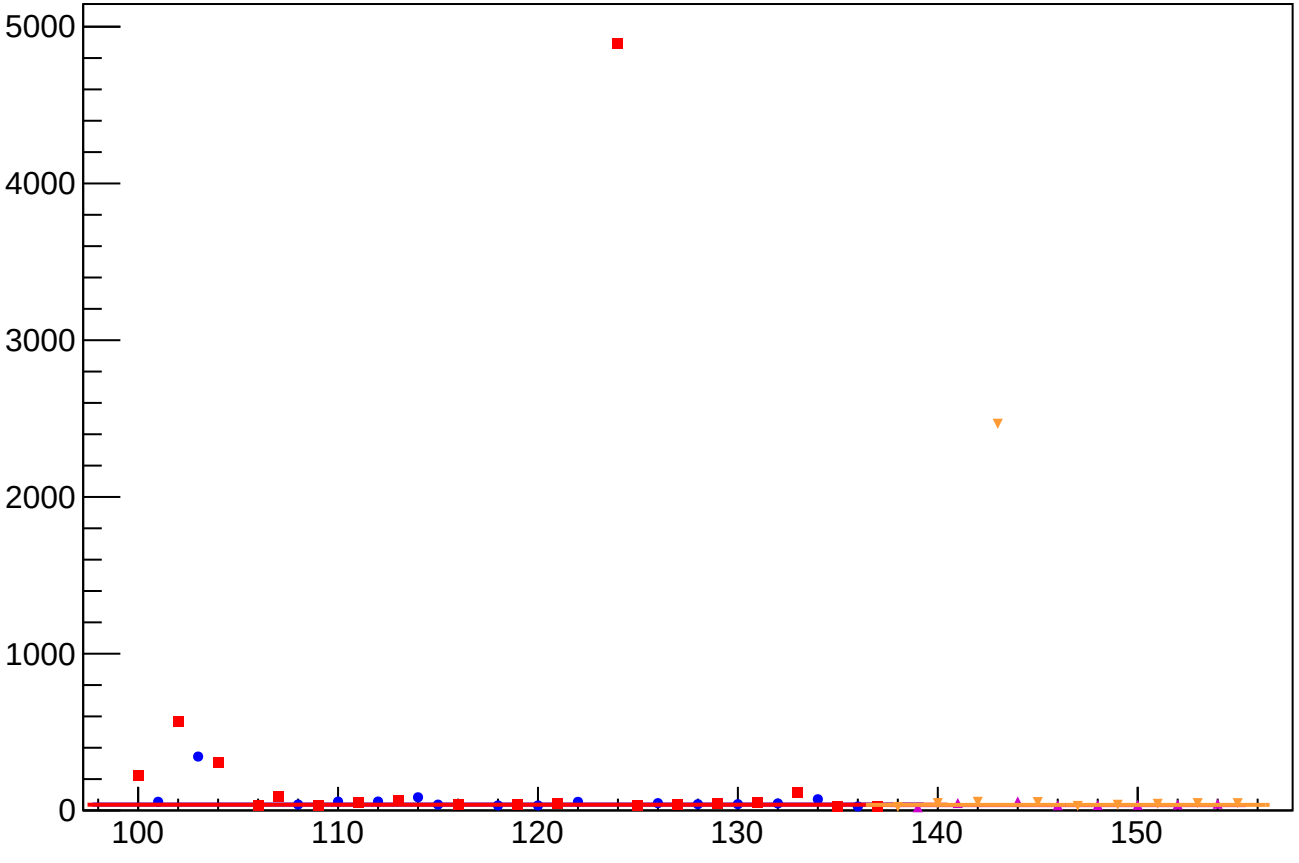
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.014+/-0.011 χ^2/NDF:26.9/28

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

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: 35.639+/-0.010 χ^2/NDF:2681192.6/9

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.045+/-0.010 χ^2/NDF:1007221.1/7

Left: 34.817+/-0.007 χ^2/NDF: 3700327.4/17

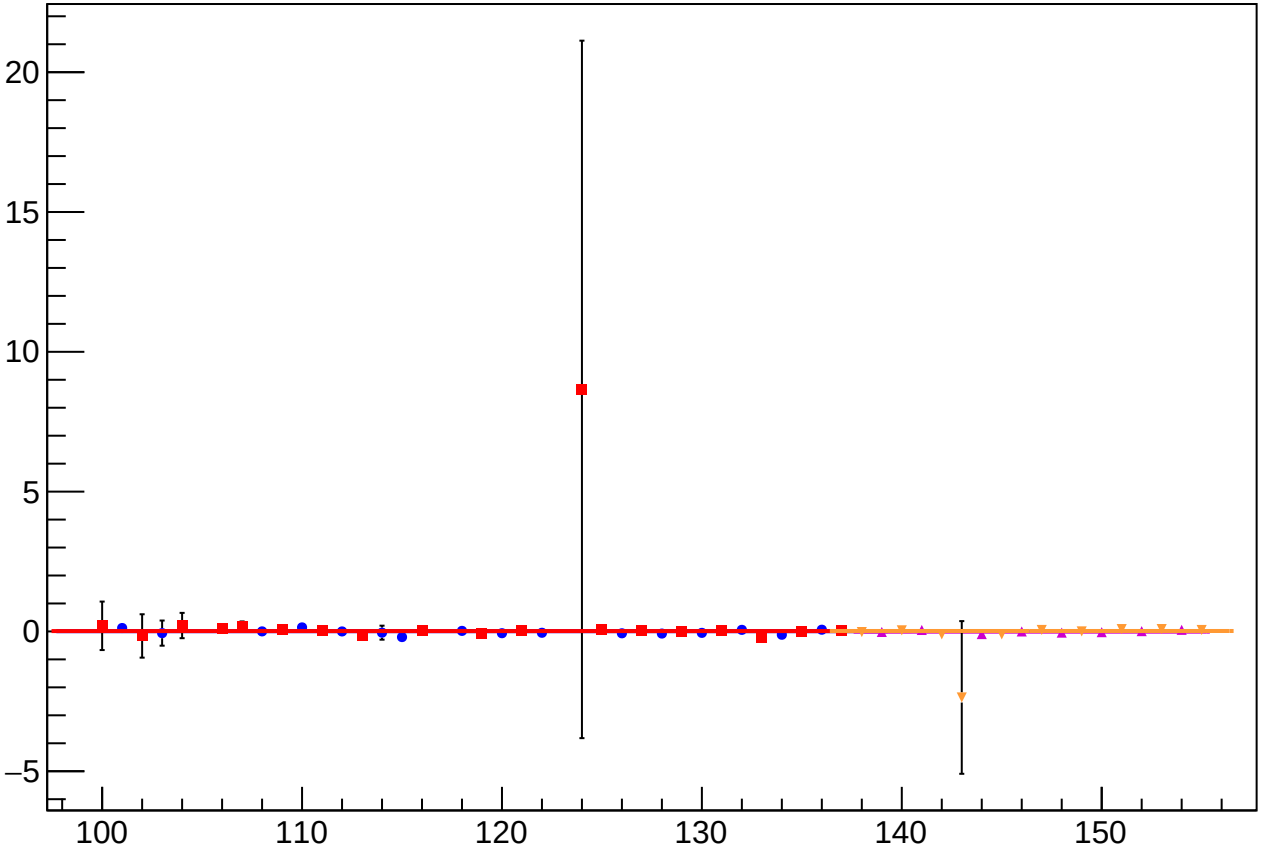
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.577+/-0.008 χ^2/NDF:3041615.1/23

Out: 36.140+/-0.008 χ^2/NDF:5876742.7/28

All: 35.849+/-0.005 χ^2/NDF: 8921028.5/52

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: 0.016+/-0.015 χ^2/NDF:14.3/9

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.009+/-0.014 χ^2/NDF:6.3/7

Left: 0.003+/-0.010 χ^2/NDF: 22.0/17

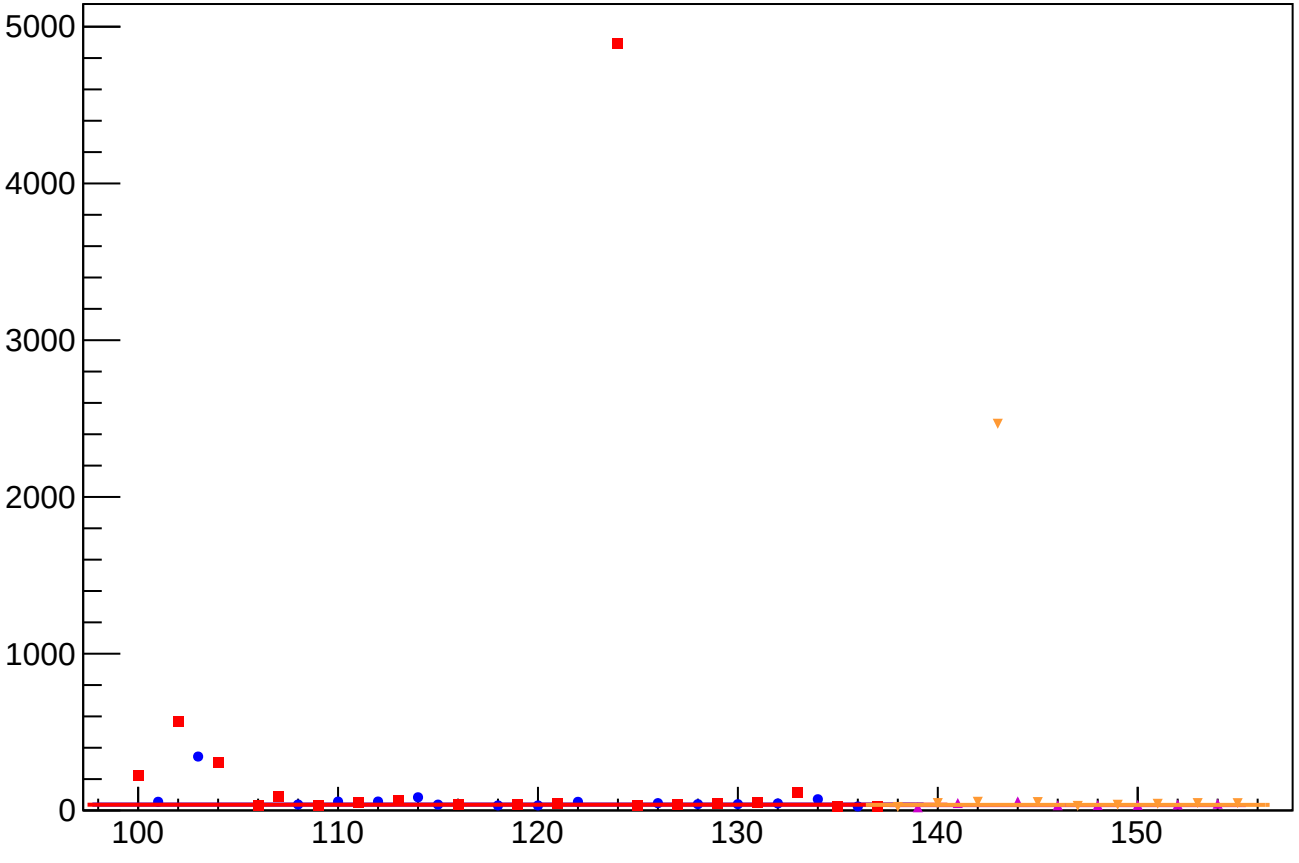
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.011 χ^2/NDF:26.2/23

Out: 0.014+/-0.011 χ^2/NDF:26.9/28

All: 0.006+/-0.008 χ^2/NDF: 54.1/52

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: 35.639+/-0.010 χ^2/NDF:2681192.6/9

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 34.045+/-0.010 χ^2/NDF:1007221.1/7

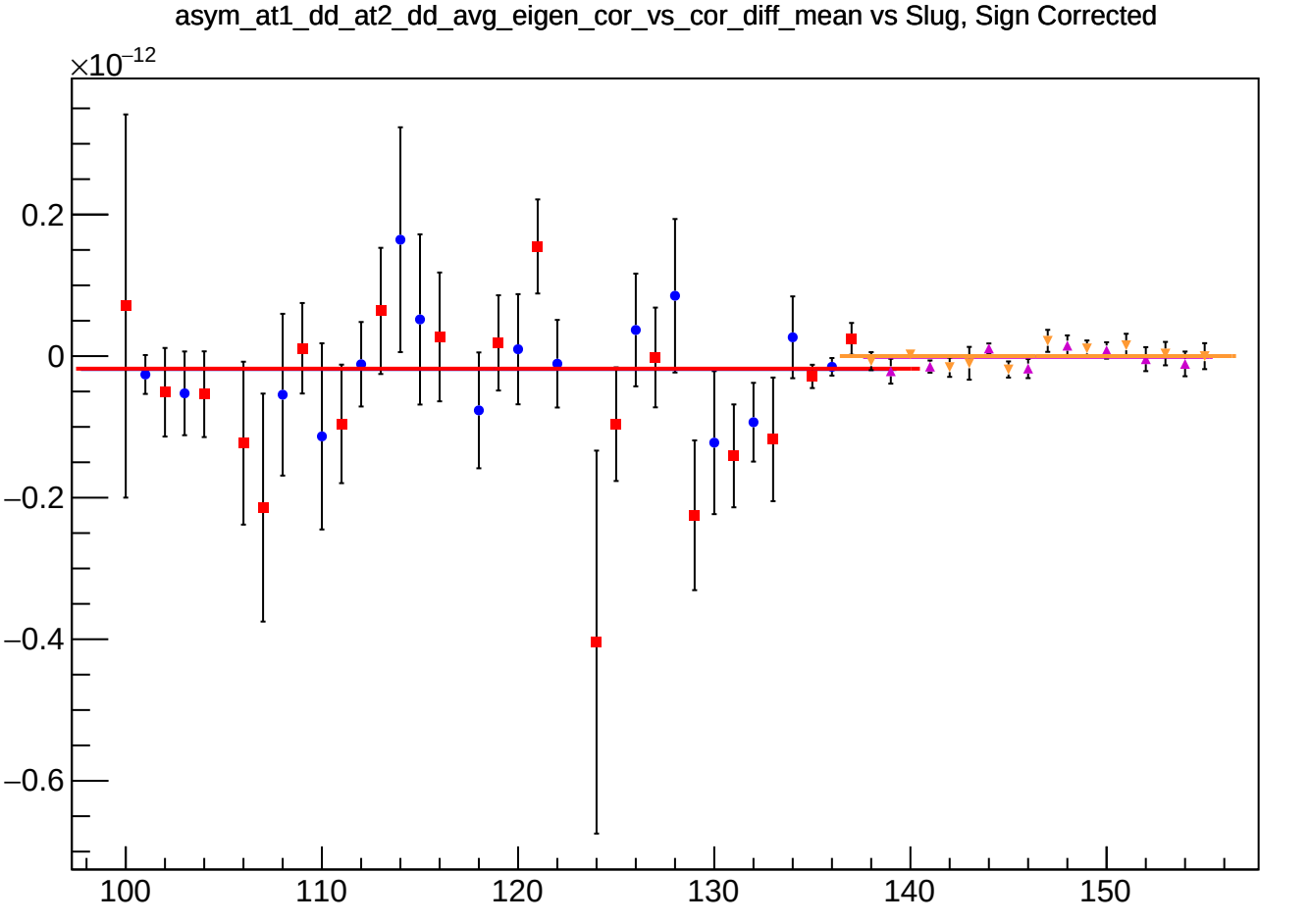
Left: 34.817+/-0.007 χ^2/NDF: 3700327.4/17

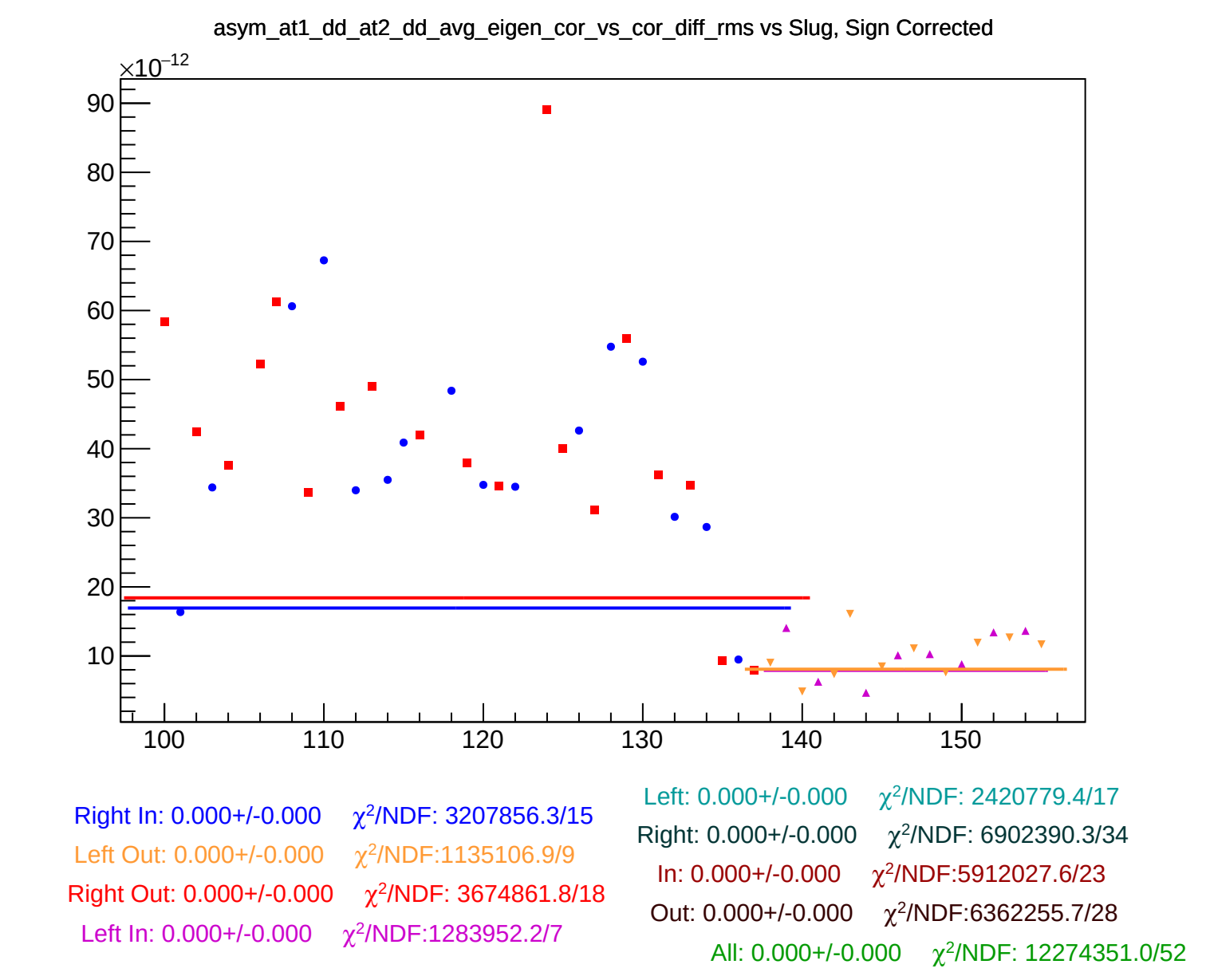
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.577+/-0.008 χ^2/NDF:3041615.1/23

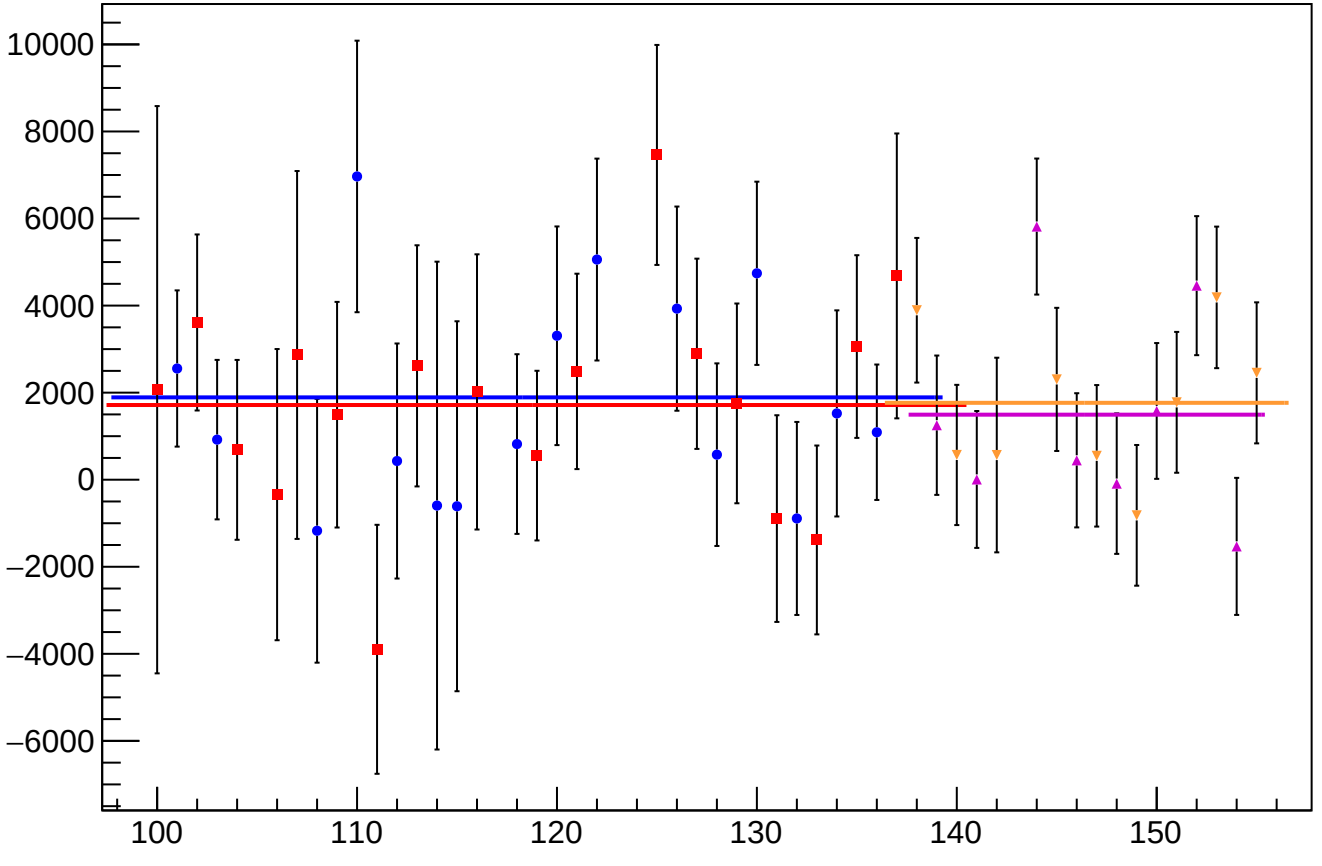
Out: 36.140+/-0.008 χ^2/NDF:5876742.7/28

All: 35.849+/-0.005 χ^2/NDF: 8921028.5/52


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: 0.000+/-0.000 χ²/NDF:8.5/9
Right Out: -0.000+/-0.000 χ²/NDF: 27.3/18
Left In: -0.000+/-0.000 χ²/NDF:10.4/7
Left: -0.000+/-0.000 χ²/NDF: 18.9/17
Right: -0.000+/-0.000 χ²/NDF: 35.6/34
In: -0.000+/-0.000 χ²/NDF:21.3/23
Out: -0.000+/-0.000 χ²/NDF:38.0/28
All: -0.000+/-0.000 χ²/NDF: 59.4/52


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:1135106.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1283952.2/7
Left: 0.000+/-0.000 χ²/NDF: 2420779.4/17
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:5912027.6/23
Out: 0.000+/-0.000 χ²/NDF:6362255.7/28
All: 0.000+/-0.000 χ²/NDF: 12274351.0/52

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1766.319+/-557.263 χ^2/NDF:8.1/8

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1494.109+/-557.643 χ^2/NDF:17.1/7

Left: 1630.307+/-394.179 χ^2/NDF: 25.4/16

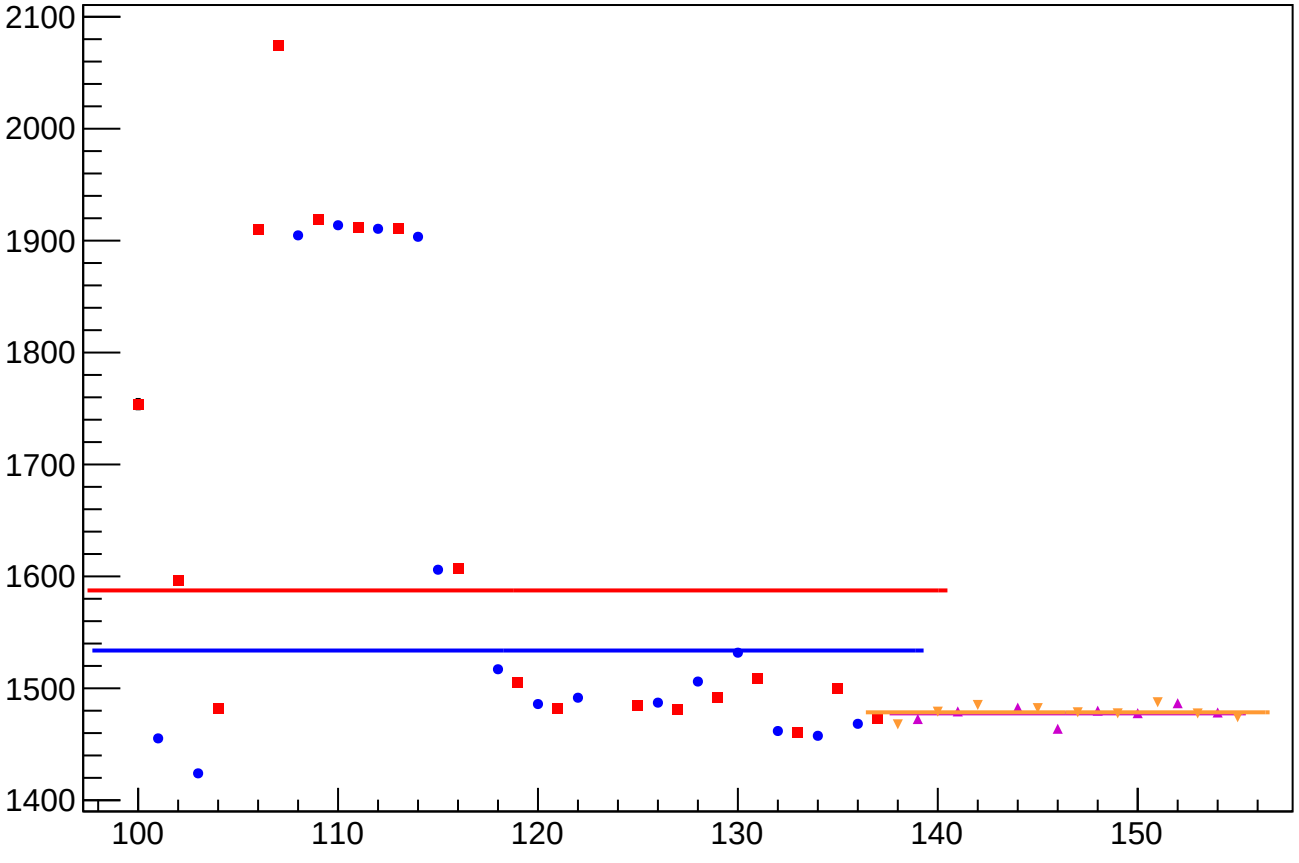
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1687.649+/-399.375 χ^2/NDF:29.6/23

Out: 1742.531+/-404.968 χ^2/NDF:24.1/26

All: 1714.708+/-284.358 χ^2/NDF: 53.7/50

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1478.555+/-0.394 χ^2/NDF:189.5/8

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1477.610+/-0.394 χ^2/NDF:272.6/7

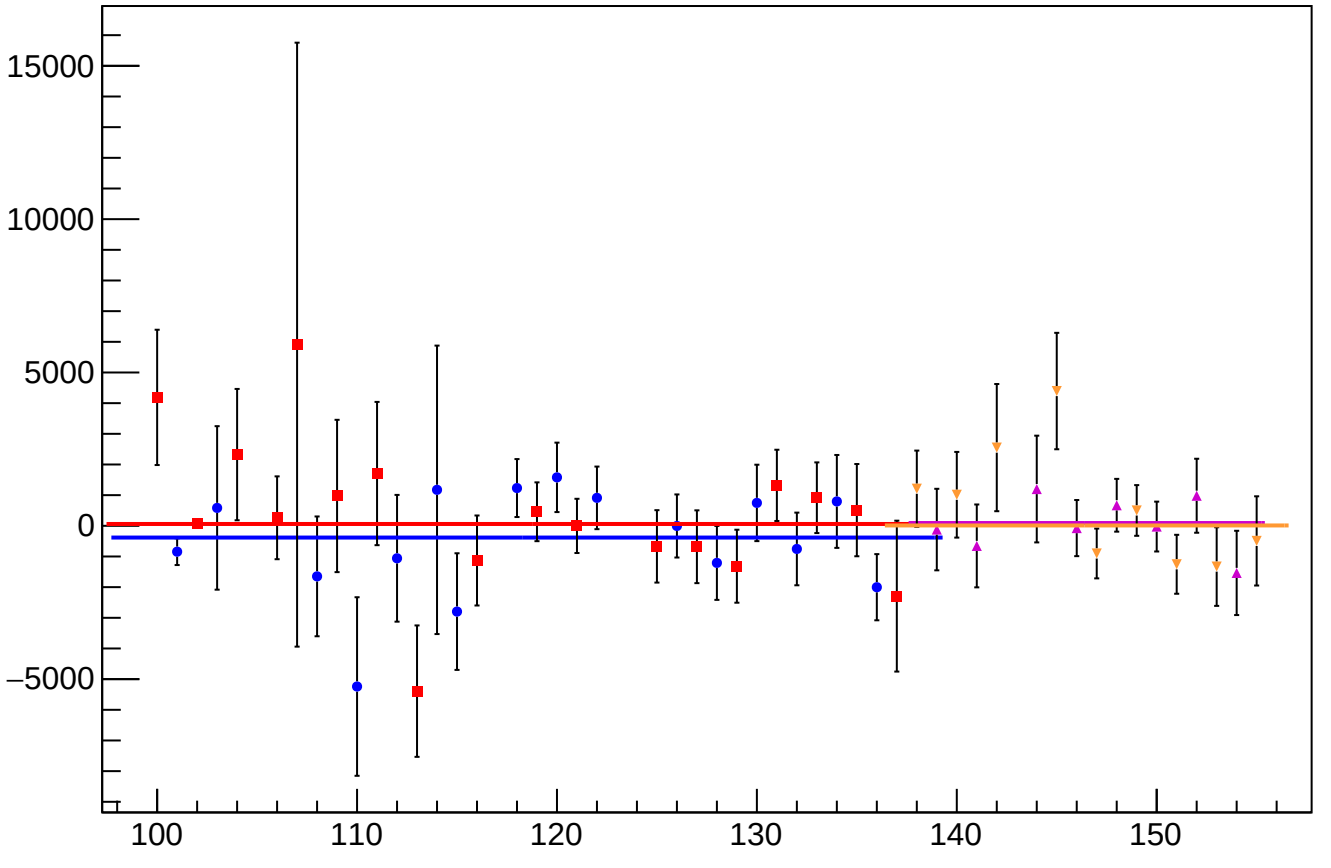
Left: 1478.083+/-0.279 χ^2/NDF: 465.0/16

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1504.965+/-0.282 χ^2/NDF:139424.7/23

Out: 1529.947+/-0.286 χ^2/NDF:208224.3/26

All: 1517.282+/-0.201 χ^2/NDF: 351507.6/50



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 11.902+/-383.150 χ^2/NDF:12.8/8

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 90.527+/-385.836 χ^2/NDF:3.2/7

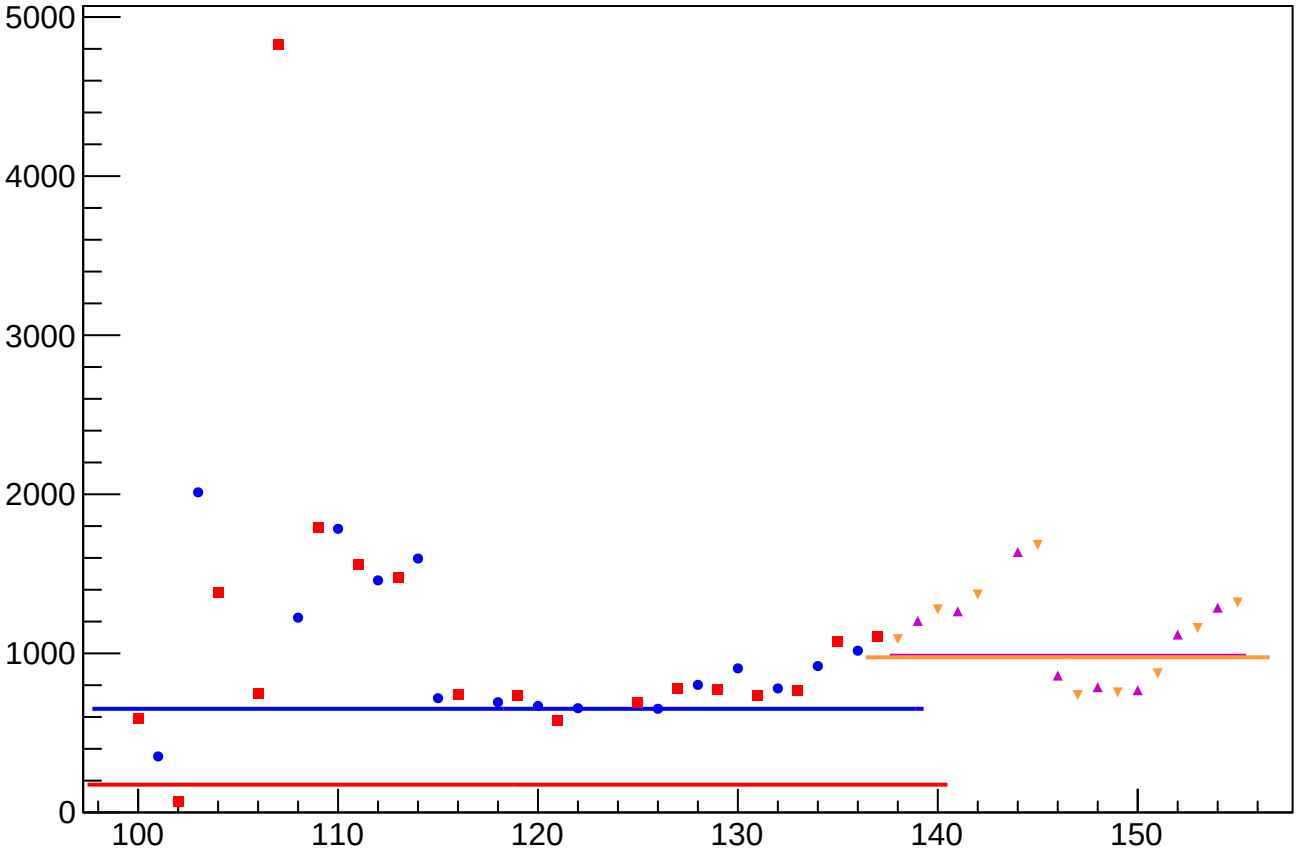
Left: 50.940+/-271.872 χ^2/NDF: 16.0/16

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -225.493+/-222.426 χ^2/NDF:22.4/23

Out: 55.165+/-121.149 χ^2/NDF:30.6/26

All: -9.047+/-106.391 χ^2/NDF: 54.2/50



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 975.148+/-0.271 χ^2/NDF:947454.3/8

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 985.308+/-0.273 χ^2/NDF:826401.6/7

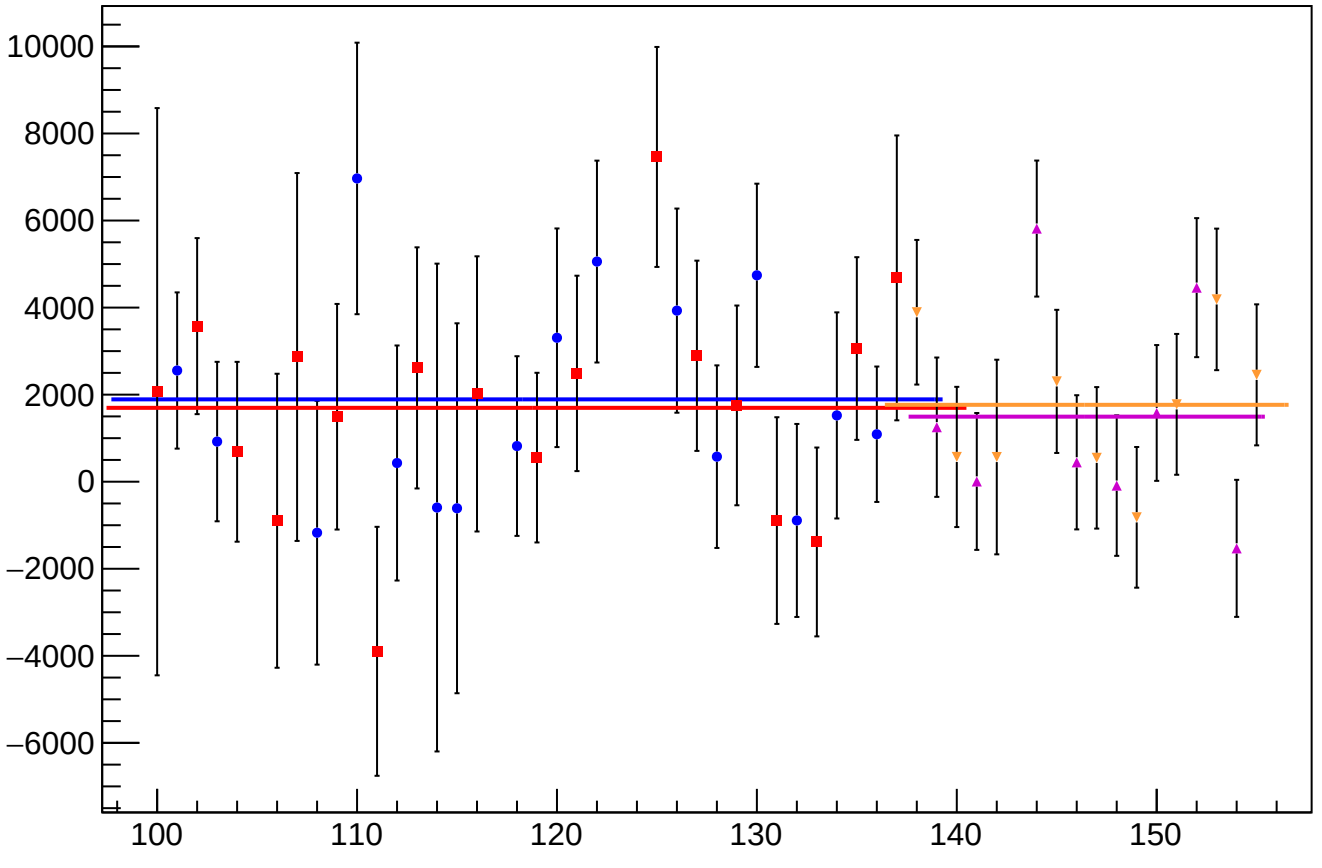
Left: 980.193+/-0.192 χ^2/NDF: 1774554.1/16

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 762.449+/-0.157 χ^2/NDF:4588423.9/23

Out: 254.905+/-0.086 χ^2/NDF:18561000.5/26

All: 371.027+/-0.075 χ^2/NDF: 31180593.4/50



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1766.231+/-557.263 χ^2/NDF:8.1/8

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1494.300+/-557.643 χ^2/NDF:17.1/7

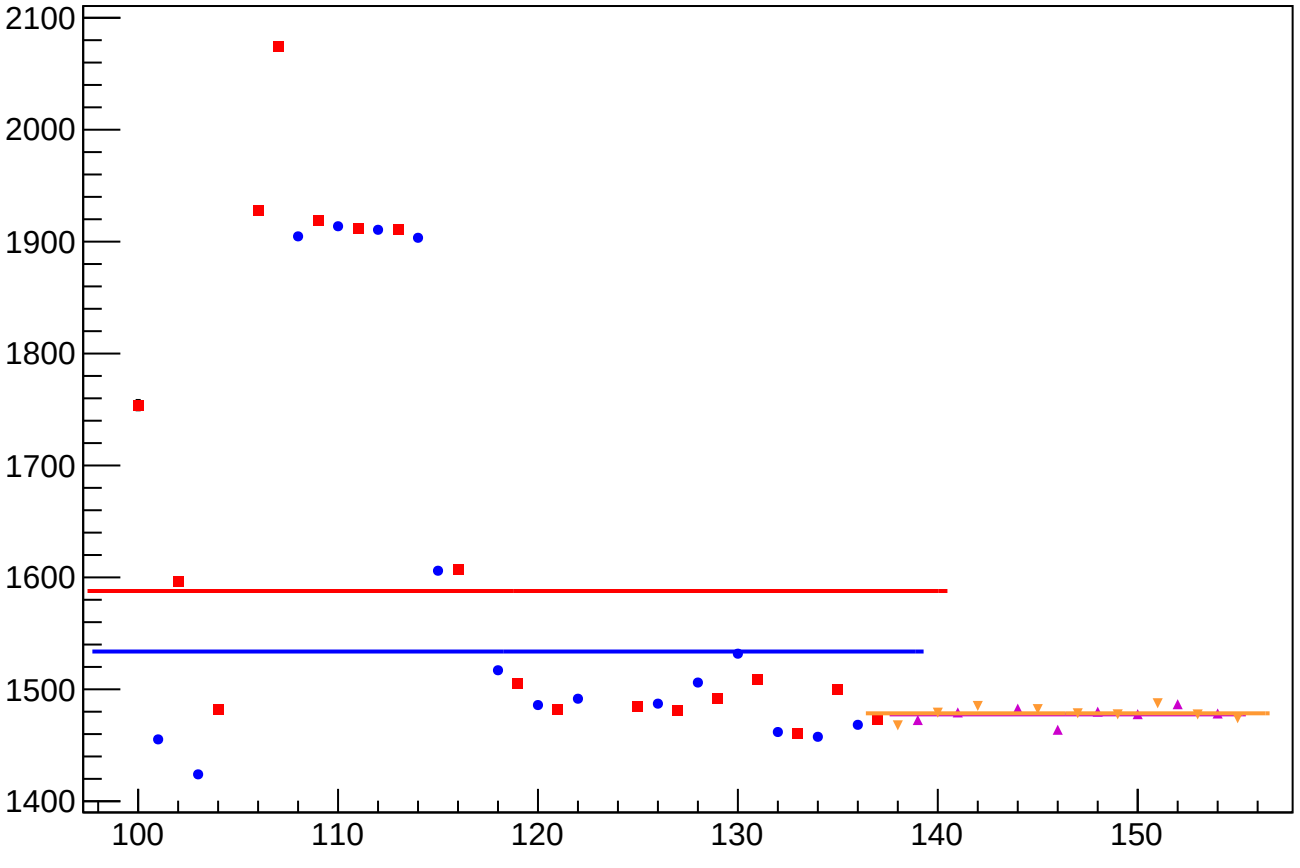
Left: 1630.358+/-394.179 χ^2/NDF: 25.4/16

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1687.798+/-399.375 χ^2/NDF:29.6/23

Out: 1733.566+/-405.026 χ^2/NDF:24.3/26

All: 1710.360+/-284.378 χ^2/NDF: 53.9/50



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1478.555+/-0.394 χ^2/NDF:189.5/8

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.610+/-0.394 χ^2/NDF:272.6/7

Left: 1478.083+/-0.279 χ^2/NDF: 465.0/16

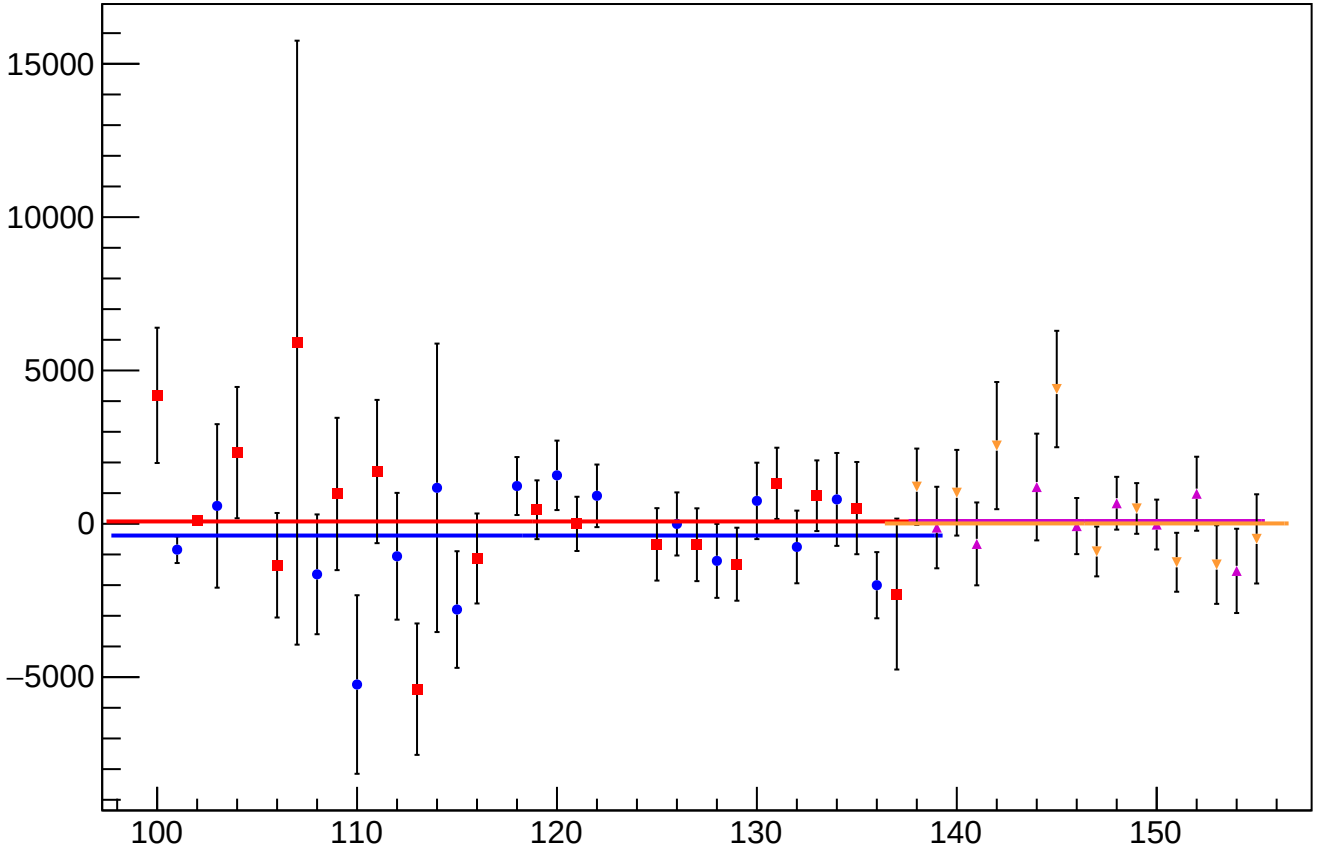
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1504.965+/-0.282 χ^2/NDF:139424.7/23

Out: 1530.112+/-0.286 χ^2/NDF:210246.4/26

All: 1517.362+/-0.201 χ^2/NDF: 353580.2/50

asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 11.723+/-383.153 χ^2/NDF:12.8/8

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 90.621+/-385.835 χ^2/NDF:3.2/7

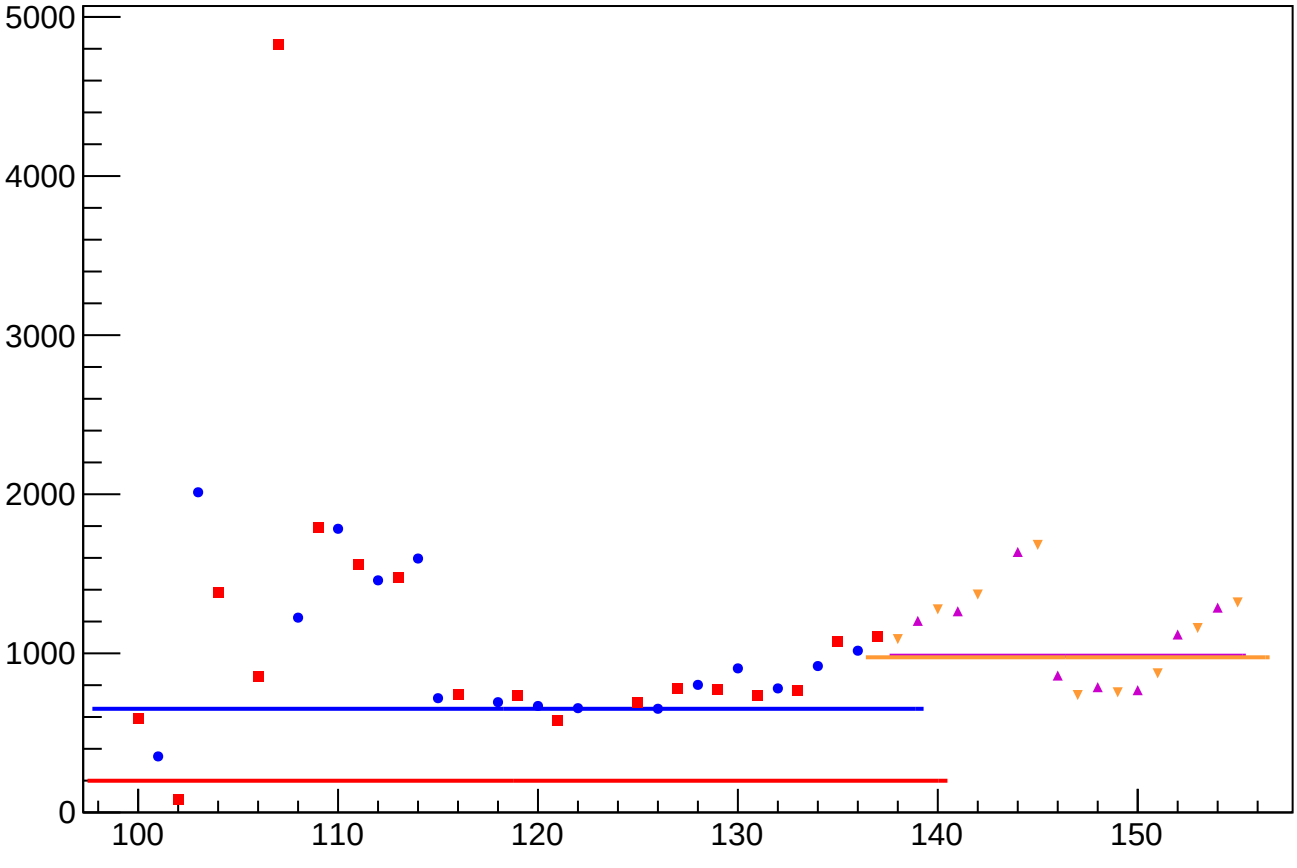
Left: 50.896+/-271.873 χ^2/NDF: 16.0/16

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -225.444+/-222.425 χ^2/NDF:22.4/23

Out: 69.274+/-129.950 χ^2/NDF:31.3/26

All: -5.725+/-112.204 χ^2/NDF: 55.0/50



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 975.157+/-0.271 χ^2/NDF:947430.4/8

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 985.306+/-0.273 χ^2/NDF:826439.8/7

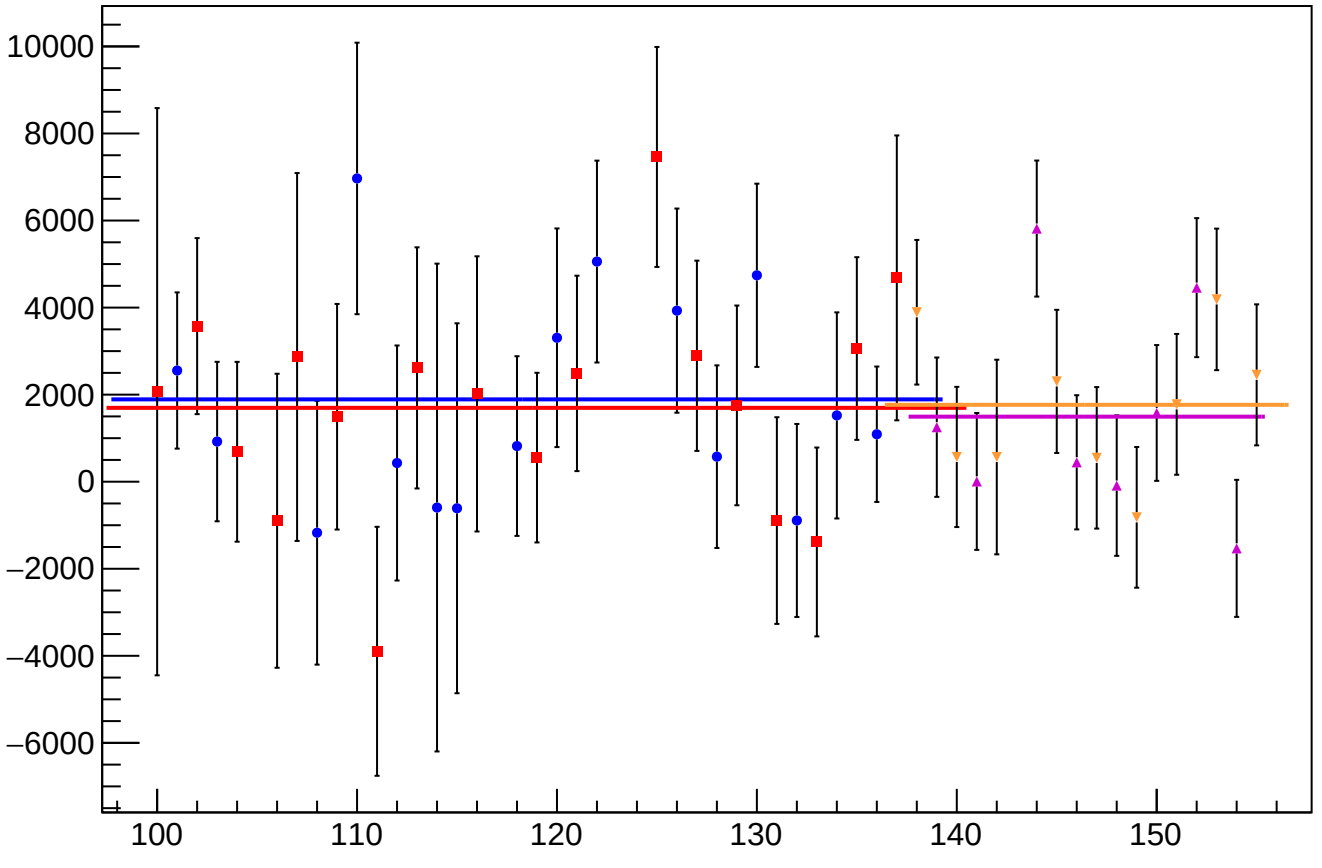
Left: 980.196+/-0.192 χ^2/NDF: 1774566.9/16

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 762.447+/-0.157 χ^2/NDF:4588485.3/23

Out: 288.584+/-0.092 χ^2/NDF:17488771.2/26

All: 409.170+/-0.079 χ^2/NDF: 28844755.9/50



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1766.231+/-557.263 χ^2/NDF:8.1/8

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1494.300+/-557.643 χ^2/NDF:17.1/7

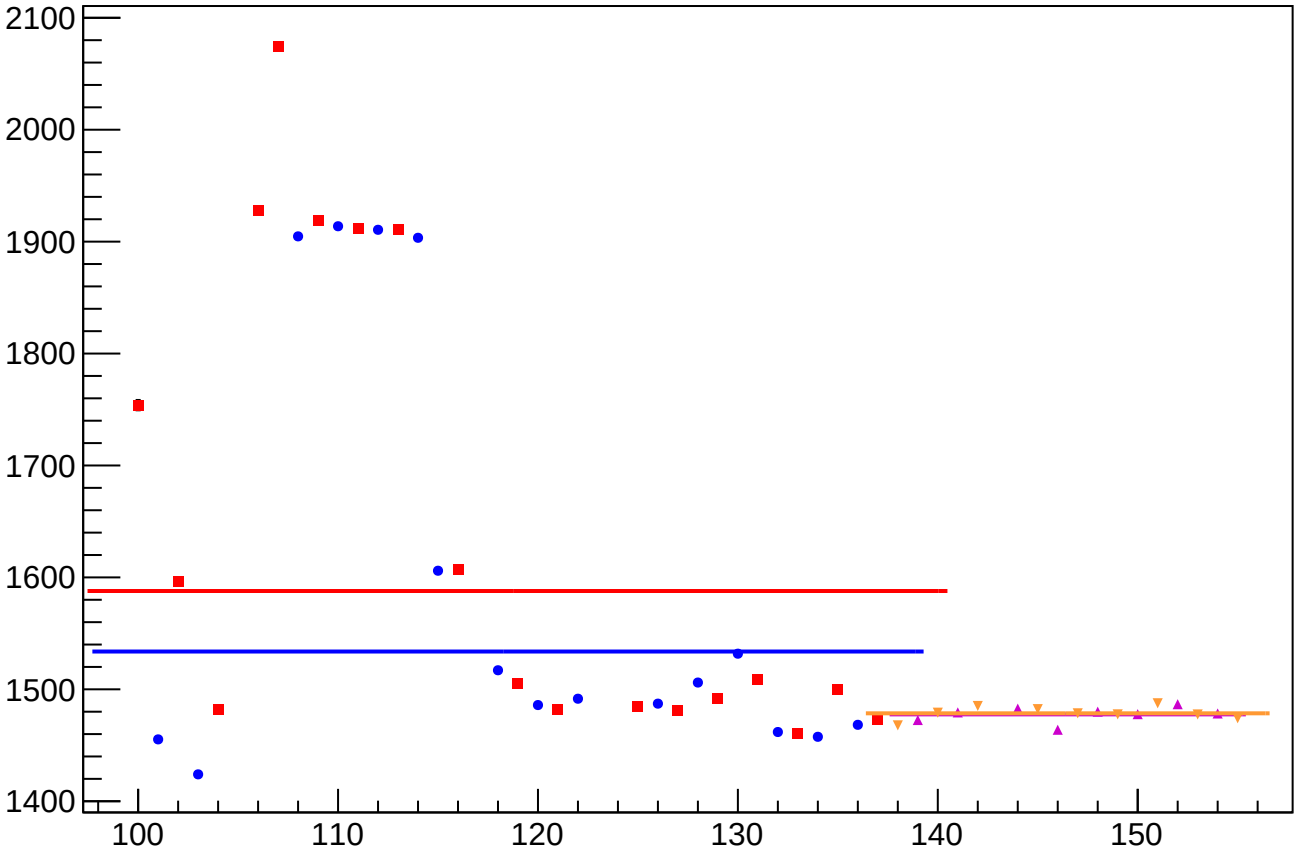
Left: 1630.358+/-394.179 χ^2/NDF: 25.4/16

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1687.798+/-399.375 χ^2/NDF:29.6/23

Out: 1733.566+/-405.026 χ^2/NDF:24.3/26

All: 1710.360+/-284.378 χ^2/NDF: 53.9/50



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1478.555+/-0.394 χ^2/NDF:189.5/8

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.610+/-0.394 χ^2/NDF:272.6/7

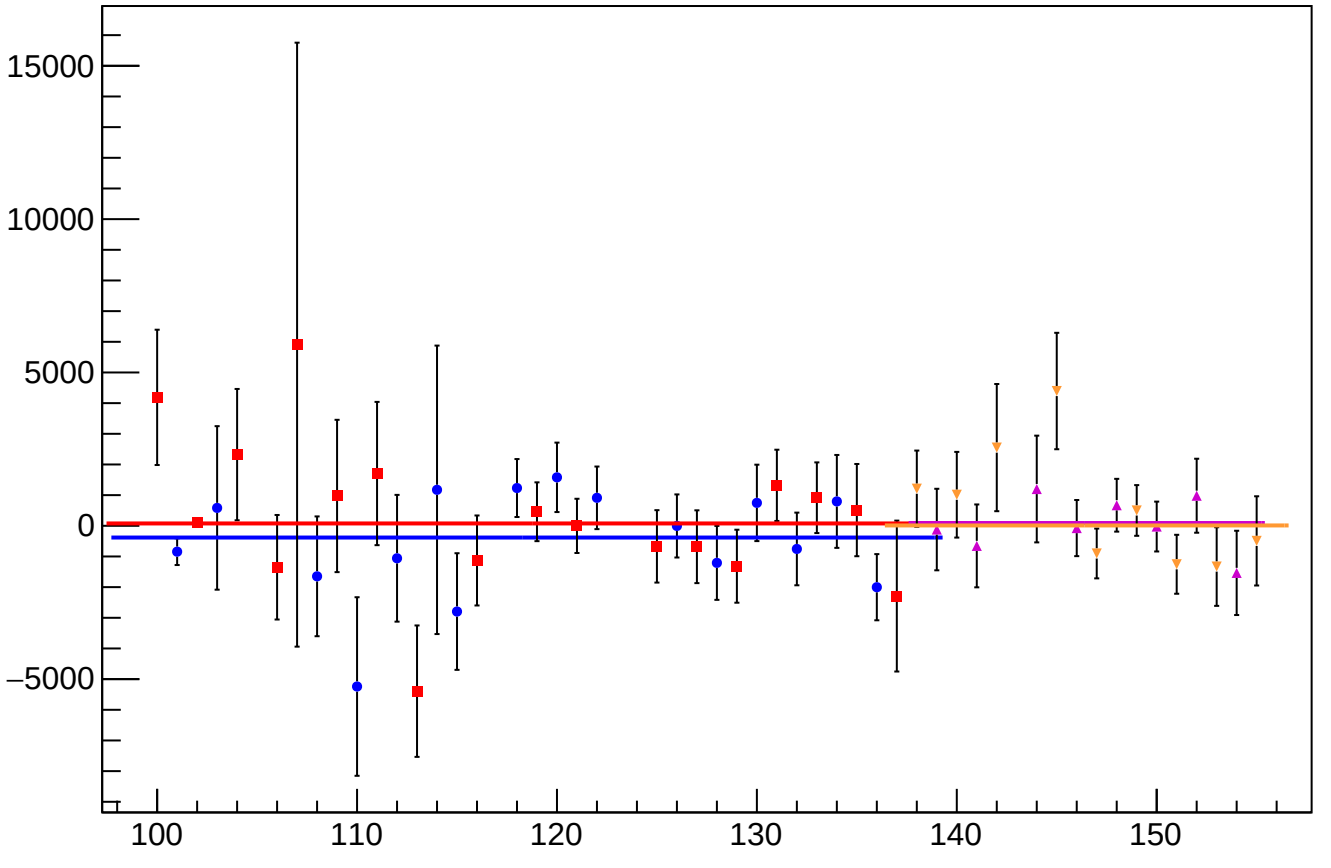
Left: 1478.083+/-0.279 χ^2/NDF: 465.0/16

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1504.965+/-0.282 χ^2/NDF:139424.7/23

Out: 1530.112+/-0.286 χ^2/NDF:210246.4/26

All: 1517.362+/-0.201 χ^2/NDF: 353580.2/50



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 11.723+/-383.153 χ^2/NDF:12.8/8

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 90.621+/-385.835 χ^2/NDF:3.2/7

Left: 50.896+/-271.873 χ^2/NDF: 16.0/16

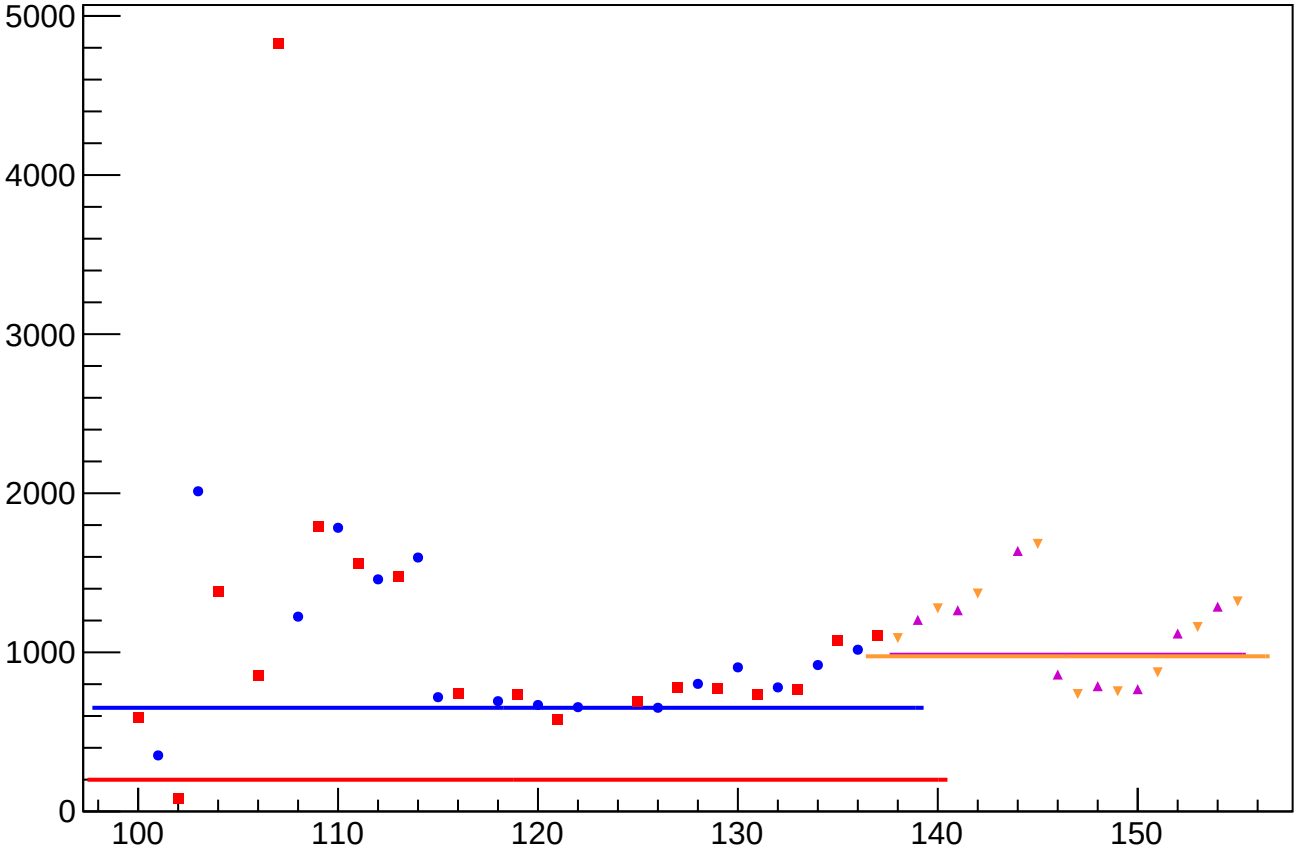
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -225.444+/-222.425 χ^2/NDF:22.4/23

Out: 69.274+/-129.950 χ^2/NDF:31.3/26

All: -5.725+/-112.204 χ^2/NDF: 55.0/50

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: 975.157+/-0.271 χ^2/NDF:947430.4/8

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 985.306+/-0.273 χ^2/NDF:826439.8/7

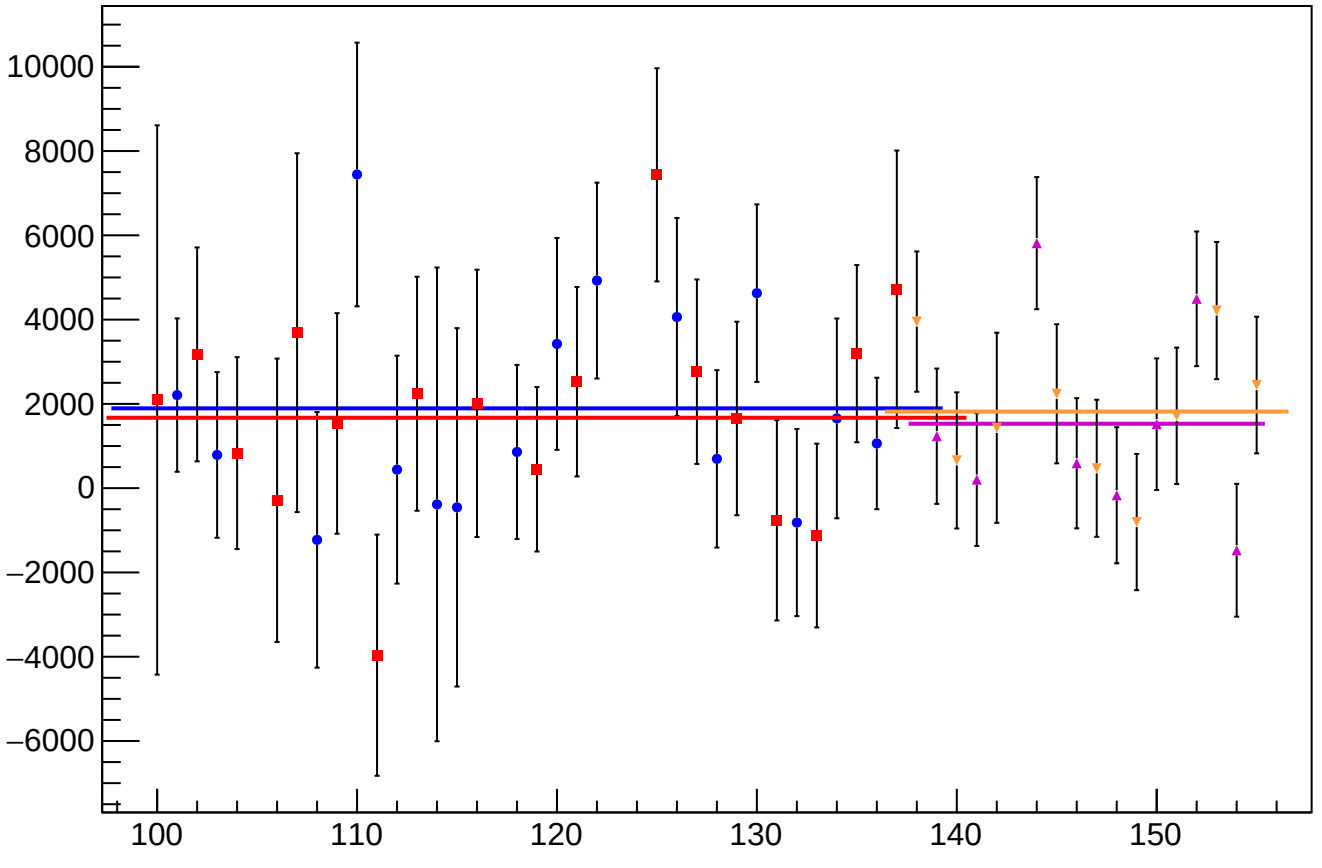
Left: 980.196+/-0.192 χ^2/NDF: 1774566.9/16

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 762.447+/-0.157 χ^2/NDF:4588485.3/23

Out: 288.584+/-0.092 χ^2/NDF:17488771.2/26

All: 409.170+/-0.079 χ^2/NDF: 28844755.9/50



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1817.741+/-558.373 χ^2/NDF:7.9/8

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1528.567+/-558.600 χ^2/NDF:16.8/7

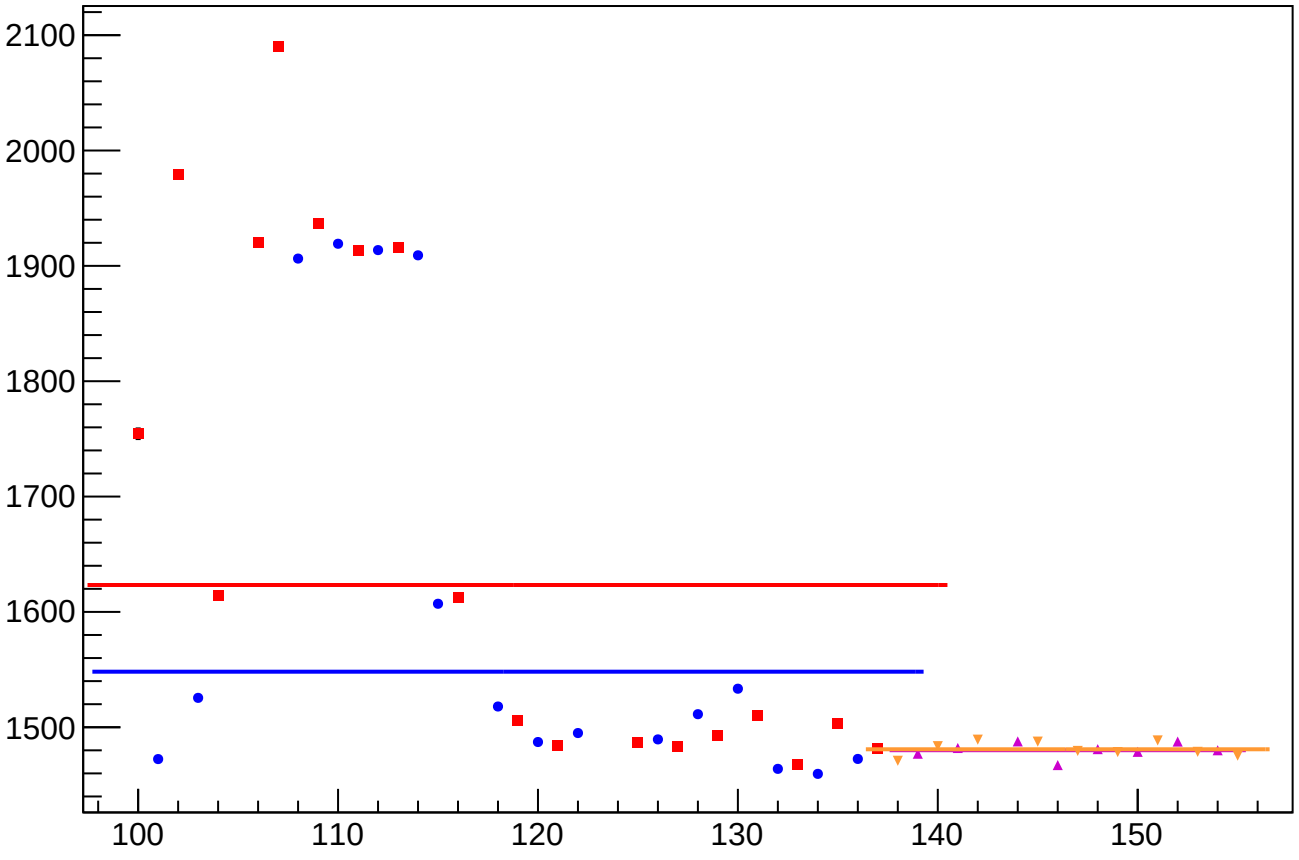
Left: 1673.212+/-394.909 χ^2/NDF: 24.8/16

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1705.247+/-401.549 χ^2/NDF:29.2/23

Out: 1750.192+/-410.274 χ^2/NDF:23.0/26

All: 1727.237+/-286.973 χ^2/NDF: 52.2/50



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1480.910+/-0.395 χ^2/NDF:215.0/8

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1480.113+/-0.395 χ^2/NDF:243.1/7

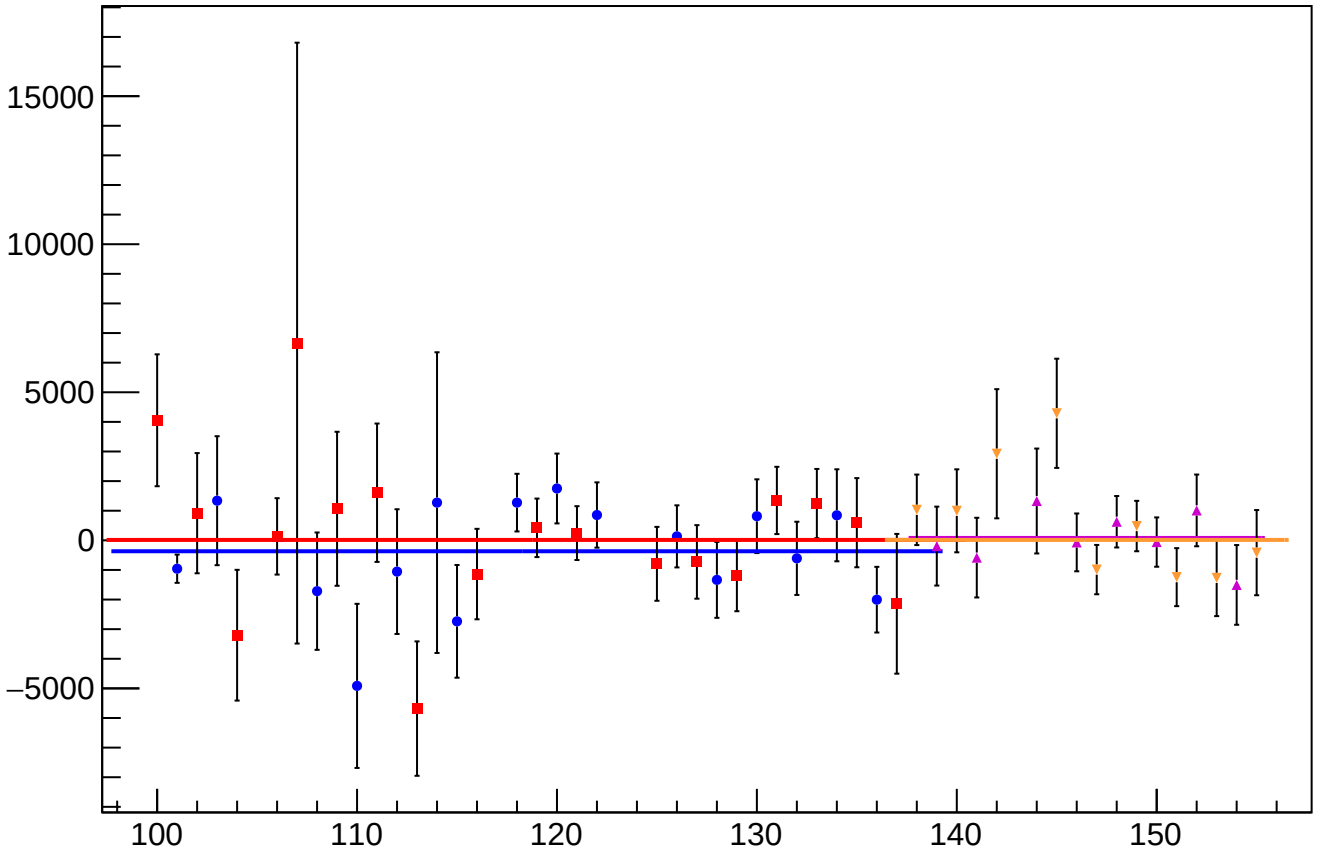
Left: 1480.511+/-0.279 χ^2/NDF: 460.1/16

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1513.004+/-0.284 χ^2/NDF:134496.9/23

Out: 1546.440+/-0.290 χ^2/NDF:271617.2/26

All: 1529.363+/-0.203 χ^2/NDF: 412898.8/50



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 14.216+/-387.306 χ^2/NDF:12.9/8

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 80.673+/-392.721 χ^2/NDF:3.2/7

Left: 46.983+/-275.761 χ^2/NDF: 16.1/16

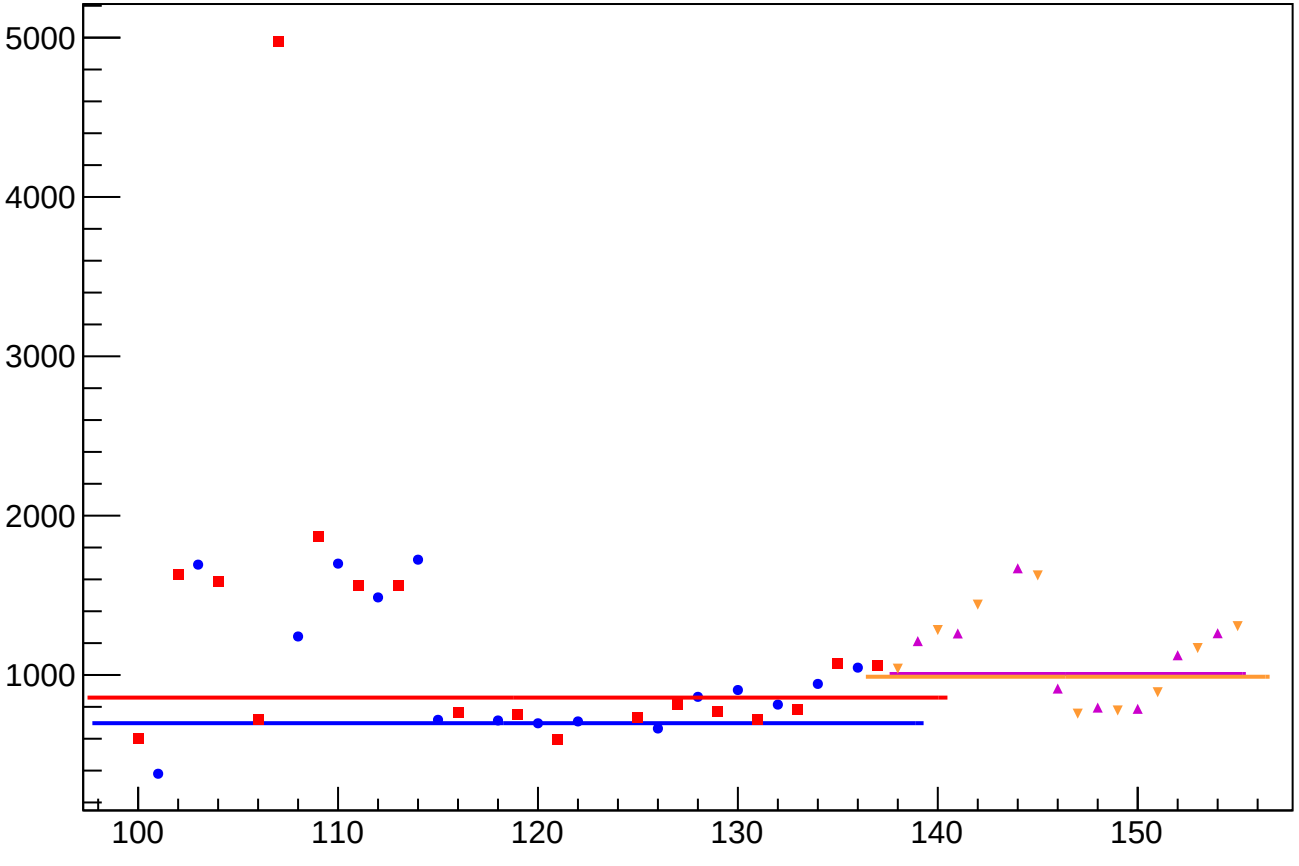
Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -212.563+/-231.495 χ^2/NDF:23.0/23

Out: 13.942+/-256.178 χ^2/NDF:31.9/26

All: -110.745+/-171.757 χ^2/NDF: 55.3/50

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 989.023+/-0.274 χ^2/NDF:849272.9/8

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1006.236+/-0.278 χ^2/NDF:764137.9/7

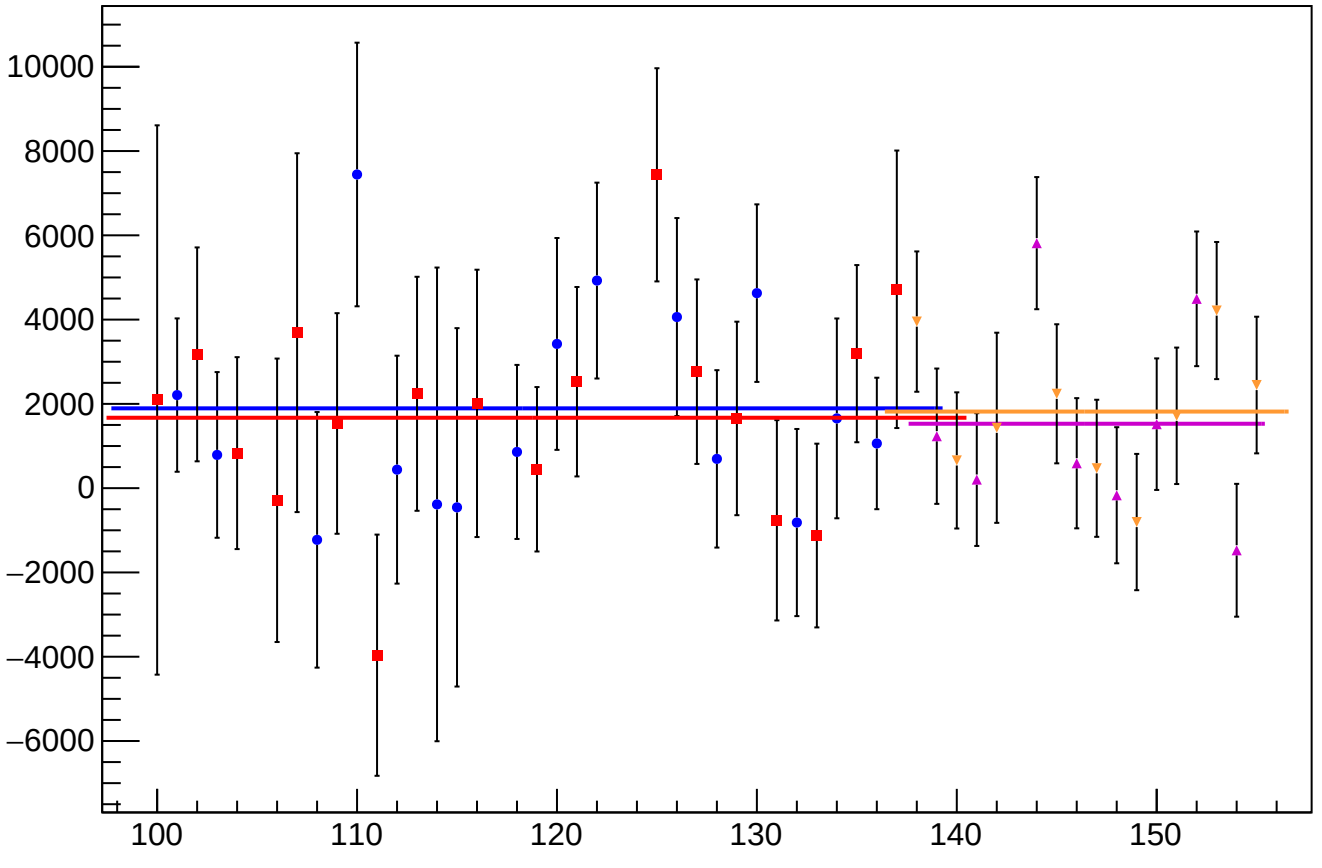
Left: 997.510+/-0.195 χ^2/NDF: 1615358.6/16

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 804.787+/-0.164 χ^2/NDF:4006213.3/23

Out: 915.376+/-0.181 χ^2/NDF:2859998.1/26

All: 854.498+/-0.121 χ^2/NDF: 7071382.4/50



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1817.739+/-558.373 χ^2/NDF:7.9/8

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1528.568+/-558.600 χ^2/NDF:16.8/7

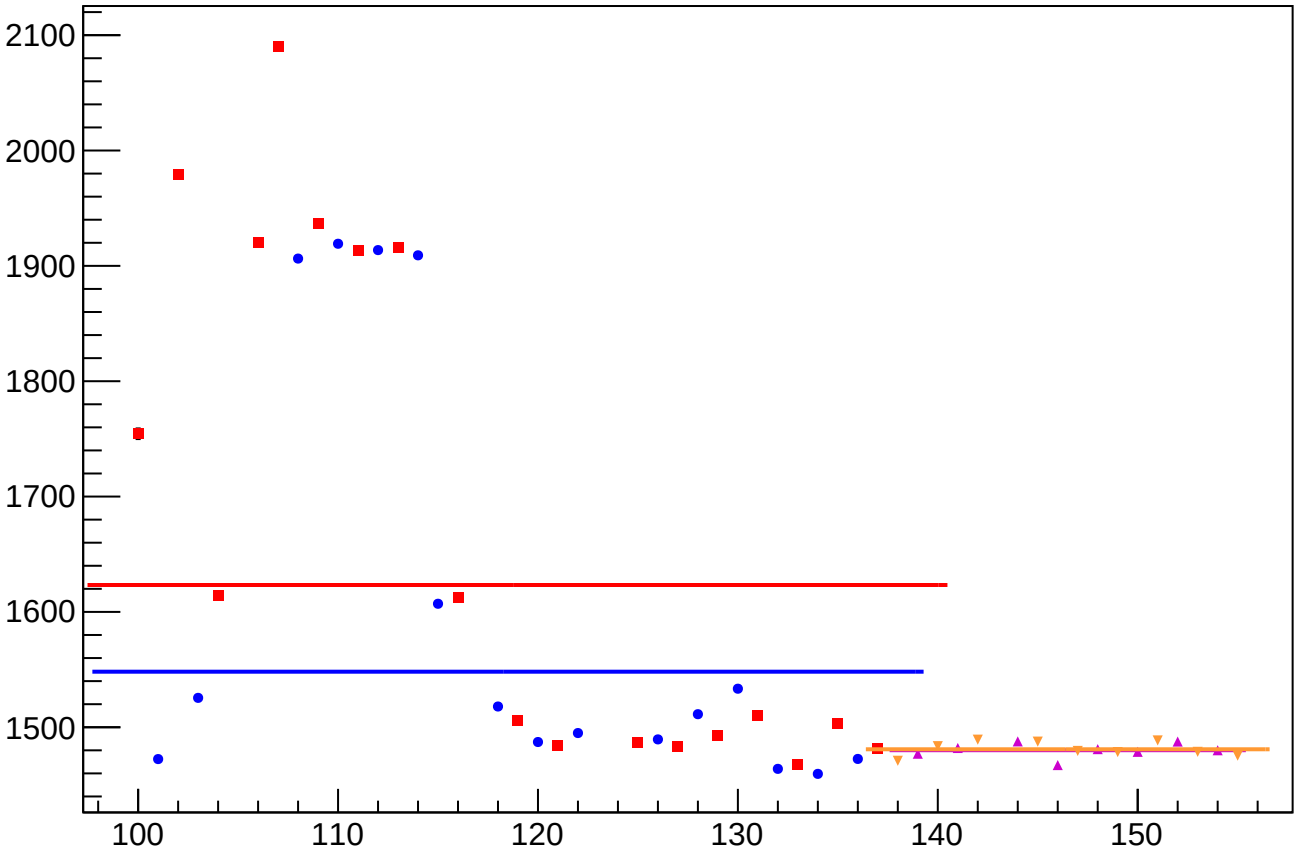
Left: 1673.212+/-394.909 χ^2/NDF: 24.8/16

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1705.246+/-401.549 χ^2/NDF:29.2/23

Out: 1750.190+/-410.274 χ^2/NDF:23.0/26

All: 1727.235+/-286.973 χ^2/NDF: 52.2/50



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1480.910+/-0.395 χ^2/NDF:215.0/8

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1480.113+/-0.395 χ^2/NDF:243.1/7

Left: 1480.511+/-0.279 χ^2/NDF: 460.1/16

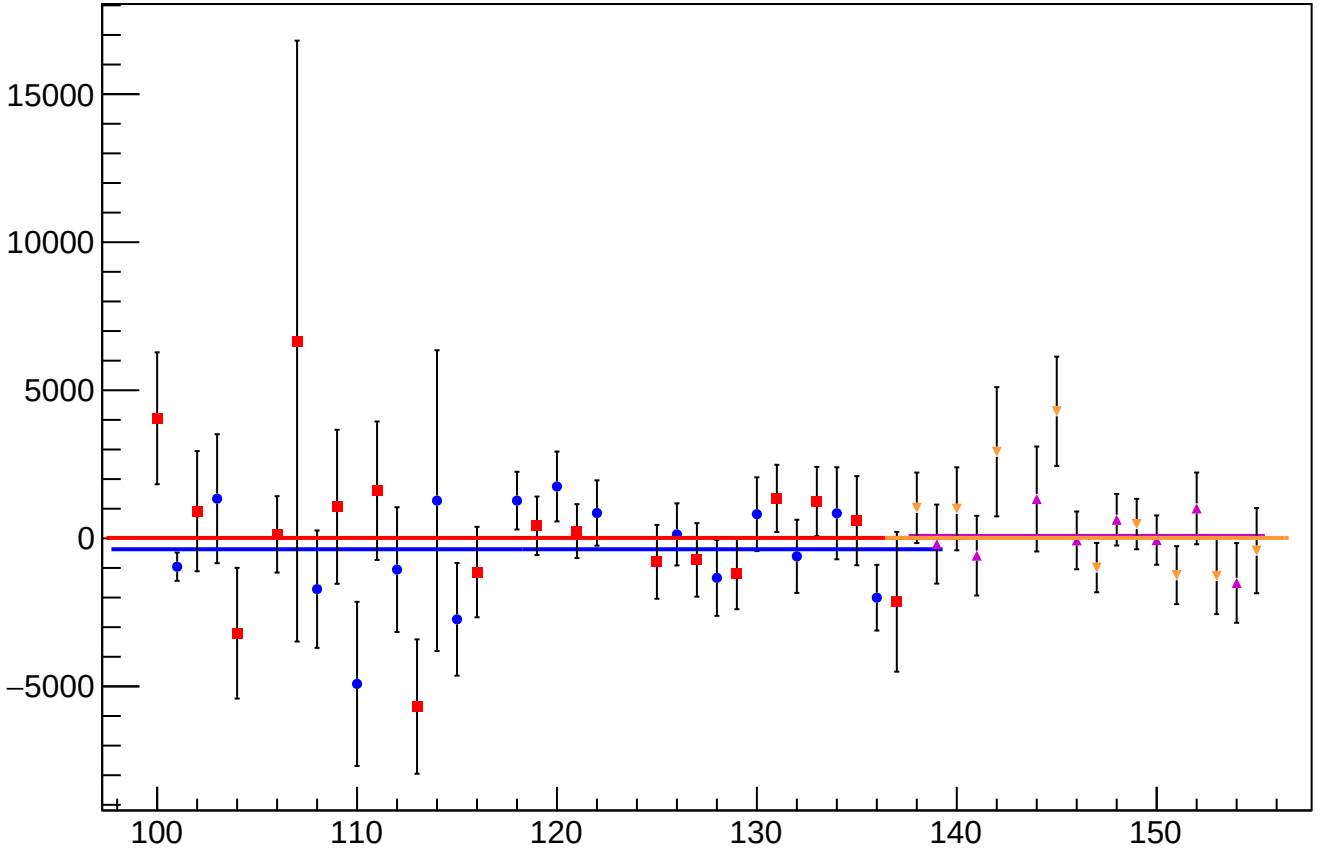
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1513.004+/-0.284 χ^2/NDF:134496.8/23

Out: 1546.440+/-0.290 χ^2/NDF:271616.8/26

All: 1529.363+/-0.203 χ^2/NDF: 412898.4/50

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: 14.212+/-387.307 χ^2/NDF:12.9/8

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 80.673+/-392.722 χ^2/NDF:3.2/7

Left: 46.982+/-275.762 χ^2/NDF: 16.1/16

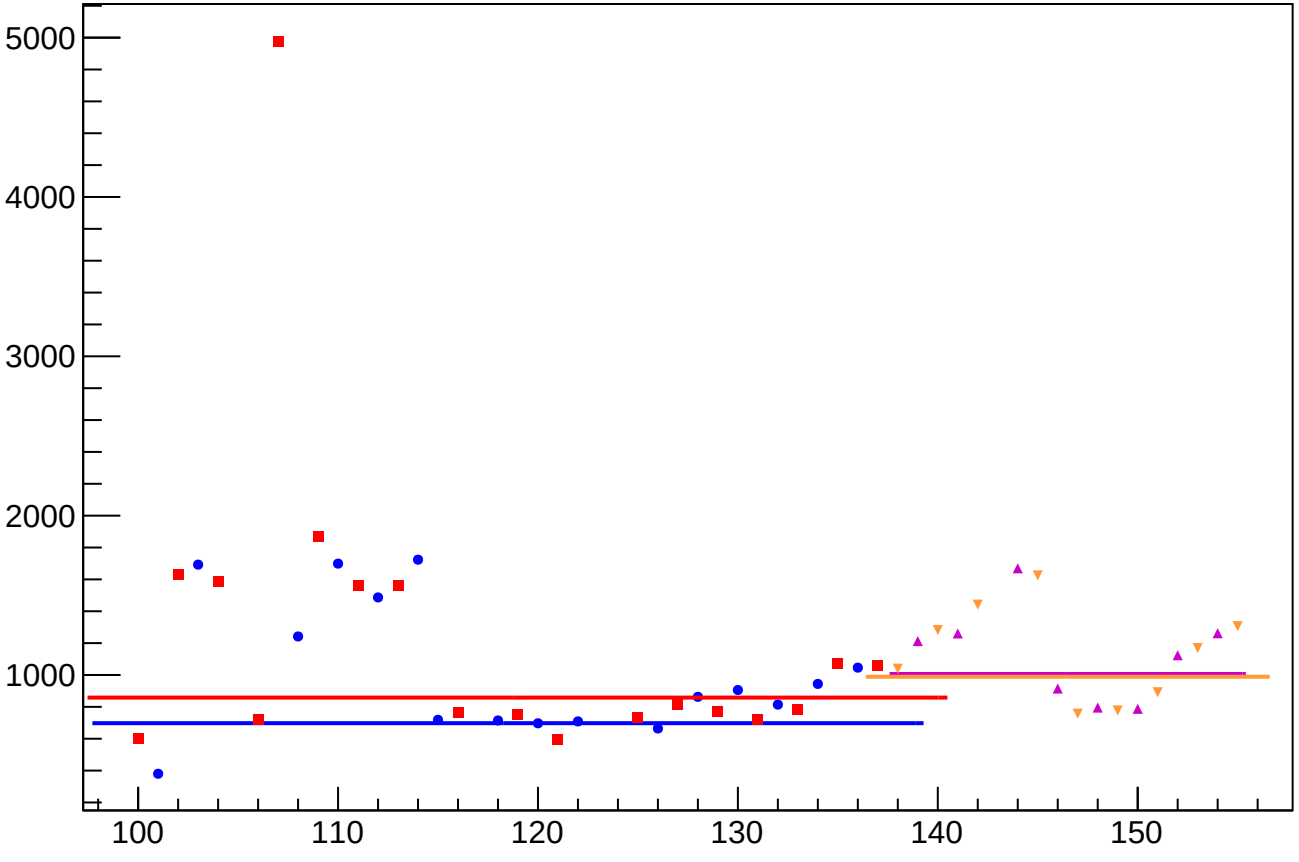
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -212.562+/-231.495 χ^2/NDF:23.0/23

Out: 13.941+/-256.178 χ^2/NDF:31.9/26

All: -110.745+/-171.757 χ^2/NDF: 55.3/50

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: 989.024+/-0.274 χ^2/NDF:849271.1/8

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1006.237+/-0.278 χ^2/NDF:764134.9/7

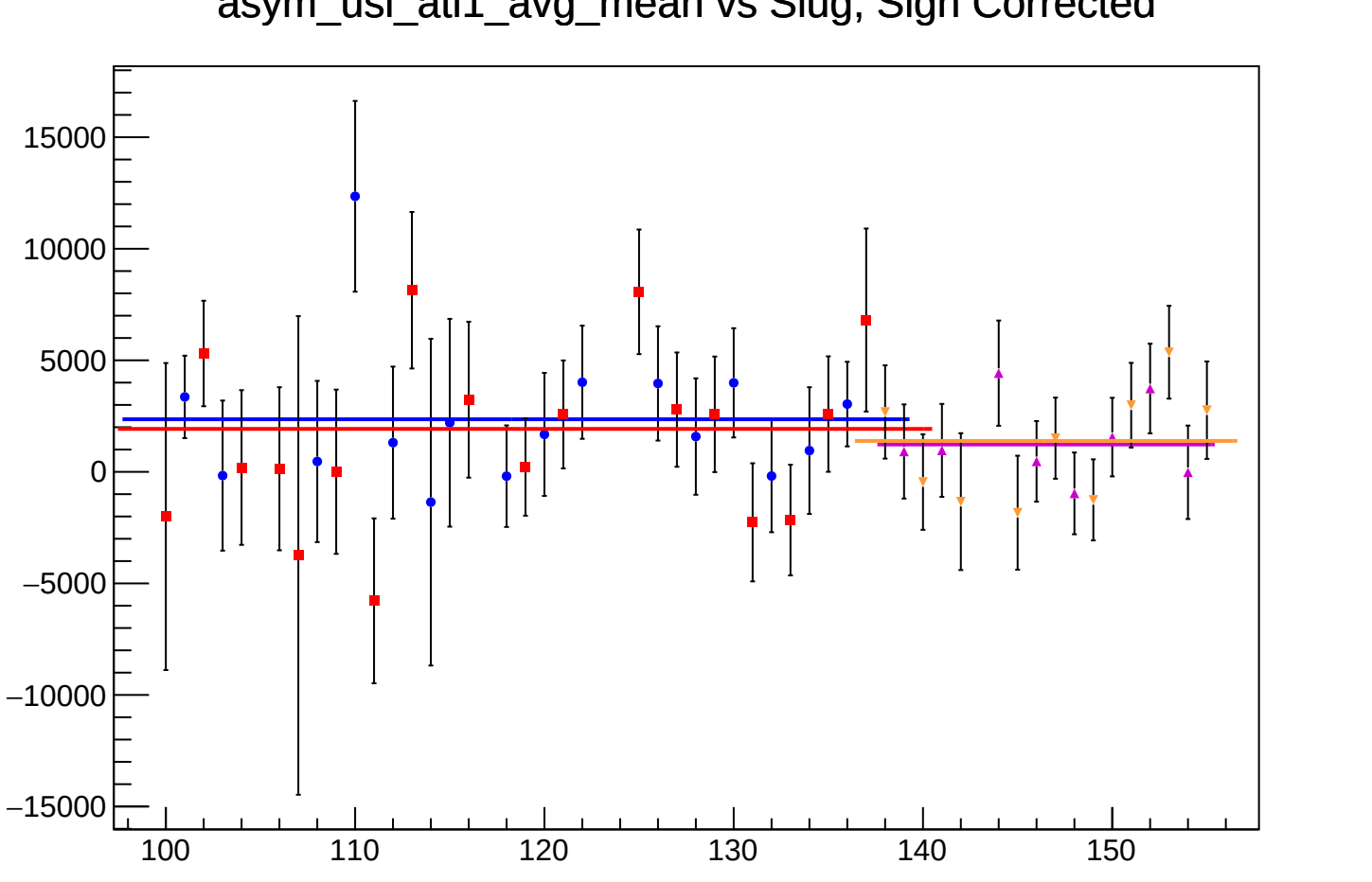
Left: 997.511+/-0.195 χ^2/NDF: 1615353.8/16

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 804.787+/-0.164 χ^2/NDF:4006209.8/23

Out: 915.375+/-0.181 χ^2/NDF:2860012.0/26

All: 854.498+/-0.121 χ^2/NDF: 7071389.9/50



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1387.099+/-701.839 χ^2/NDF:10.4/8

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1227.524+/-700.627 χ^2/NDF:5.4/7

Left: 1307.174+/-495.846 χ^2/NDF: 15.8/16

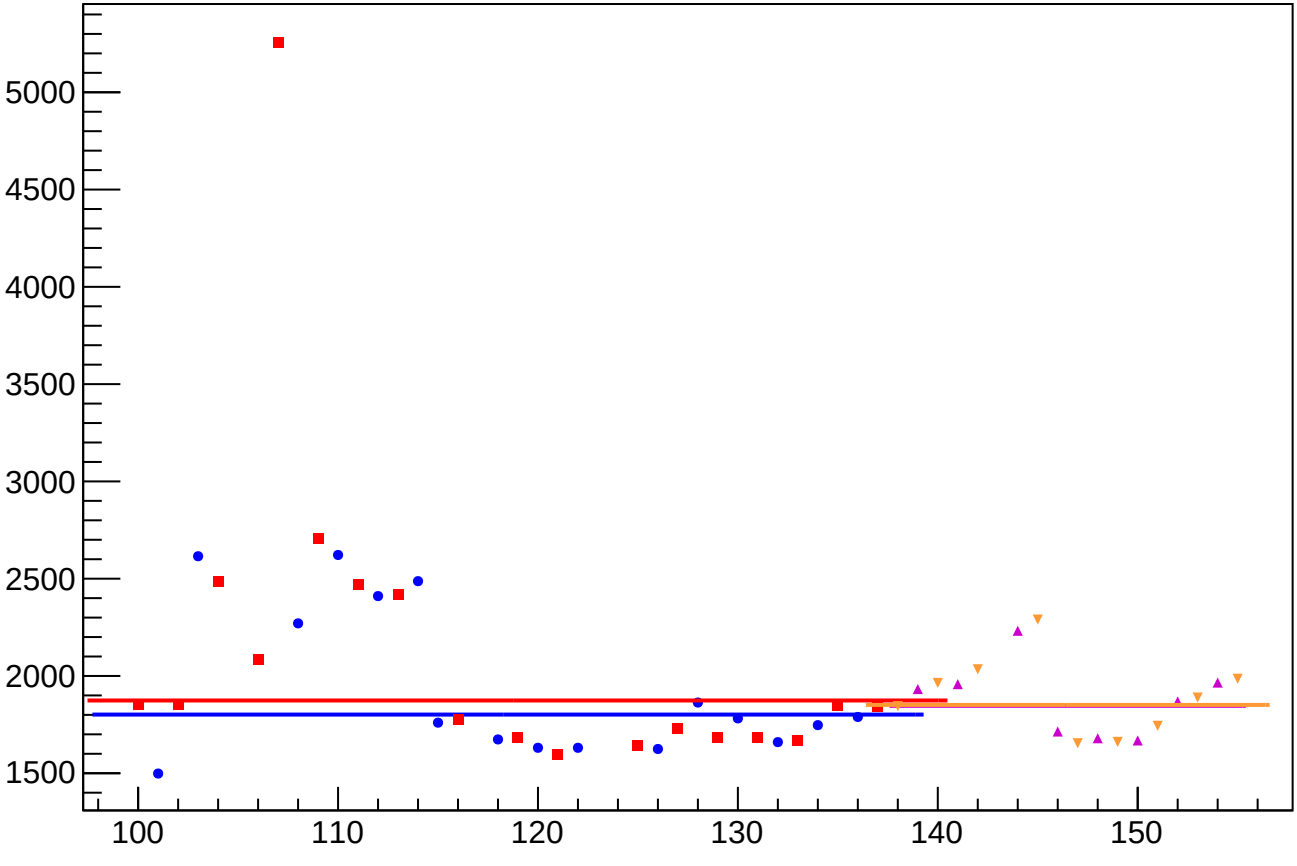
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1810.009+/-487.571 χ^2/NDF:17.8/23

Out: 1654.065+/-498.023 χ^2/NDF:34.1/26

All: 1733.690+/-348.401 χ^2/NDF: 51.9/50

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1851.153+/-0.496 χ^2/NDF:131723.6/8

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1846.476+/-0.495 χ^2/NDF:116987.4/7

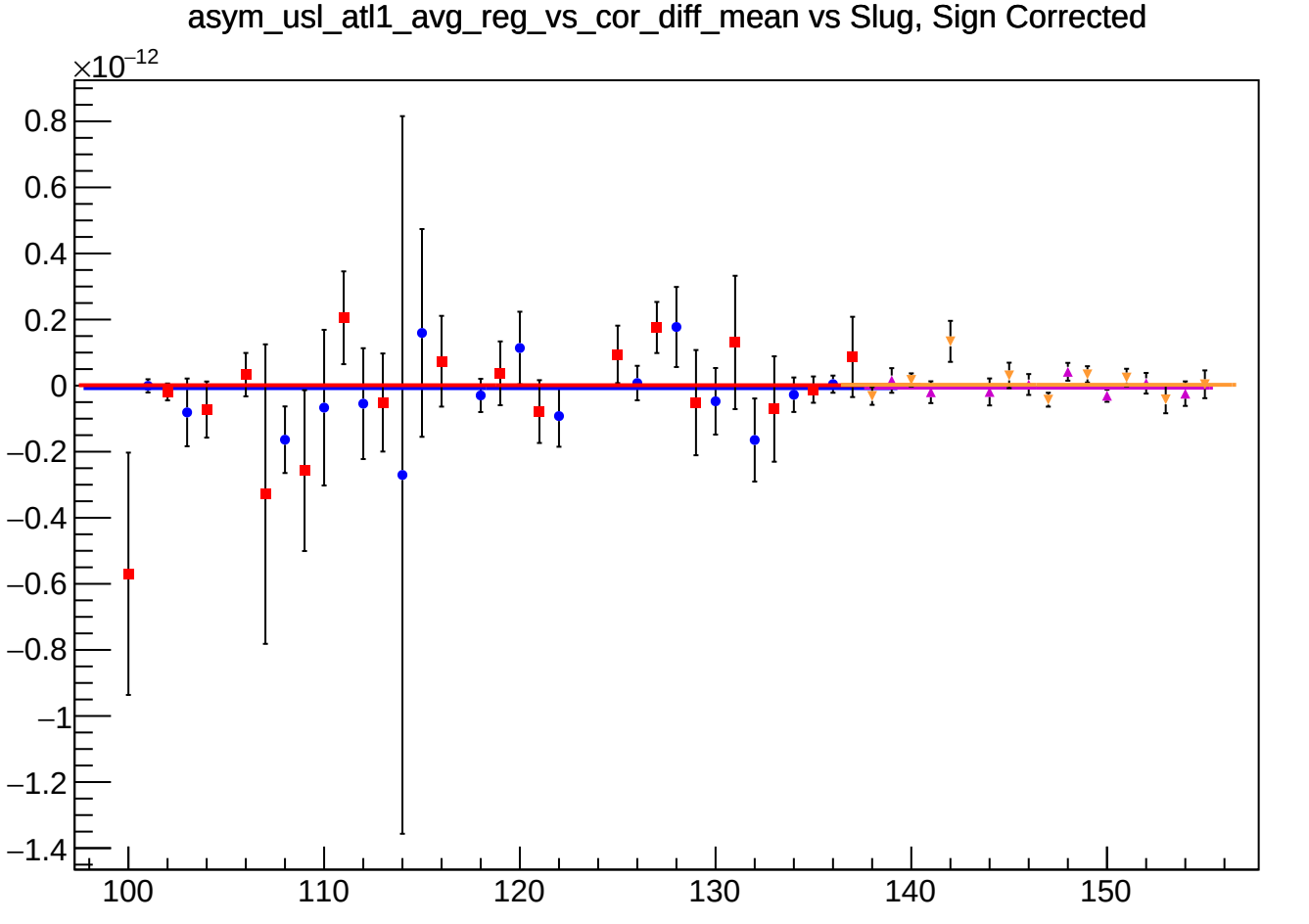
Left: 1848.811+/-0.351 χ^2/NDF: 248755.5/16

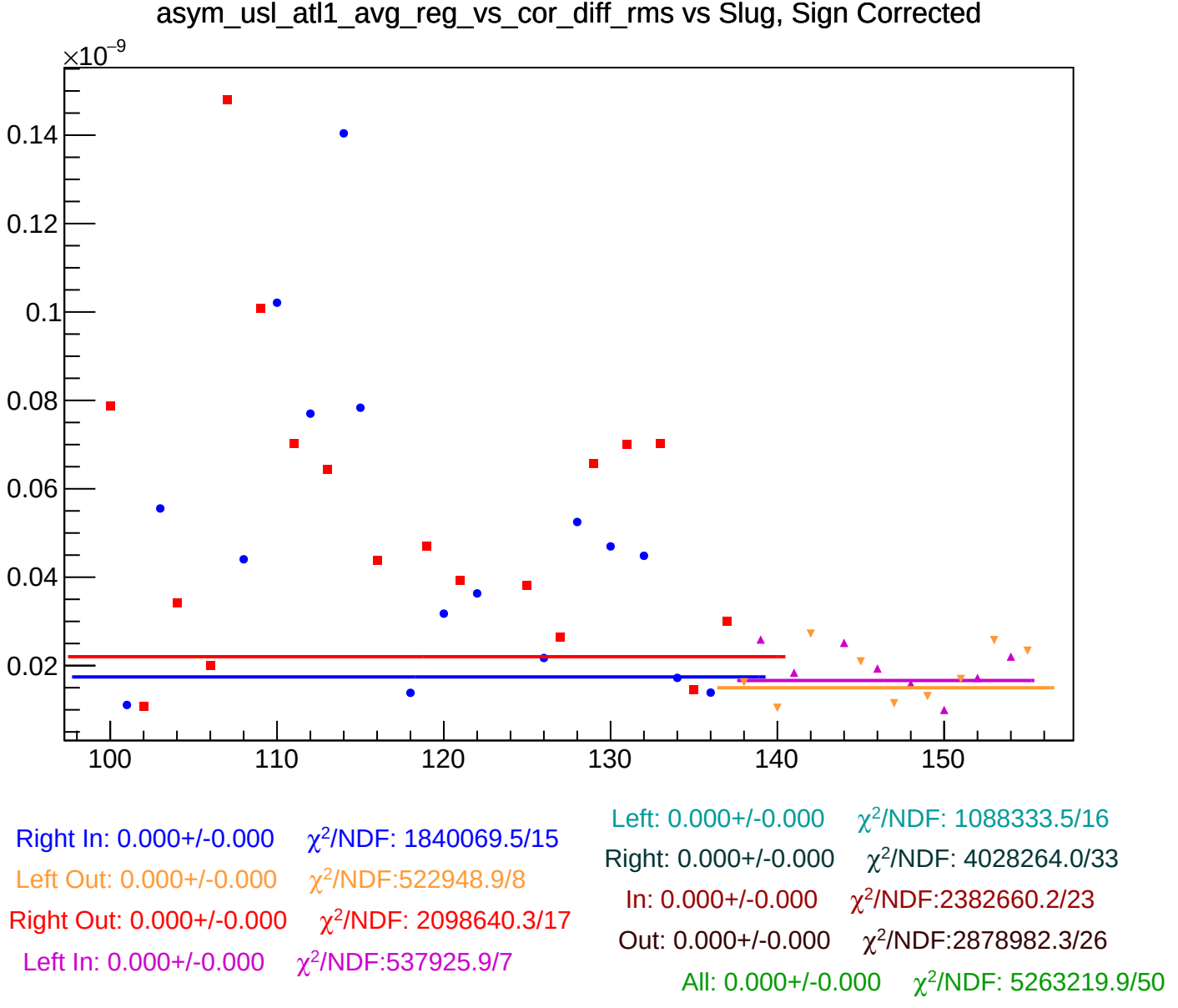
Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

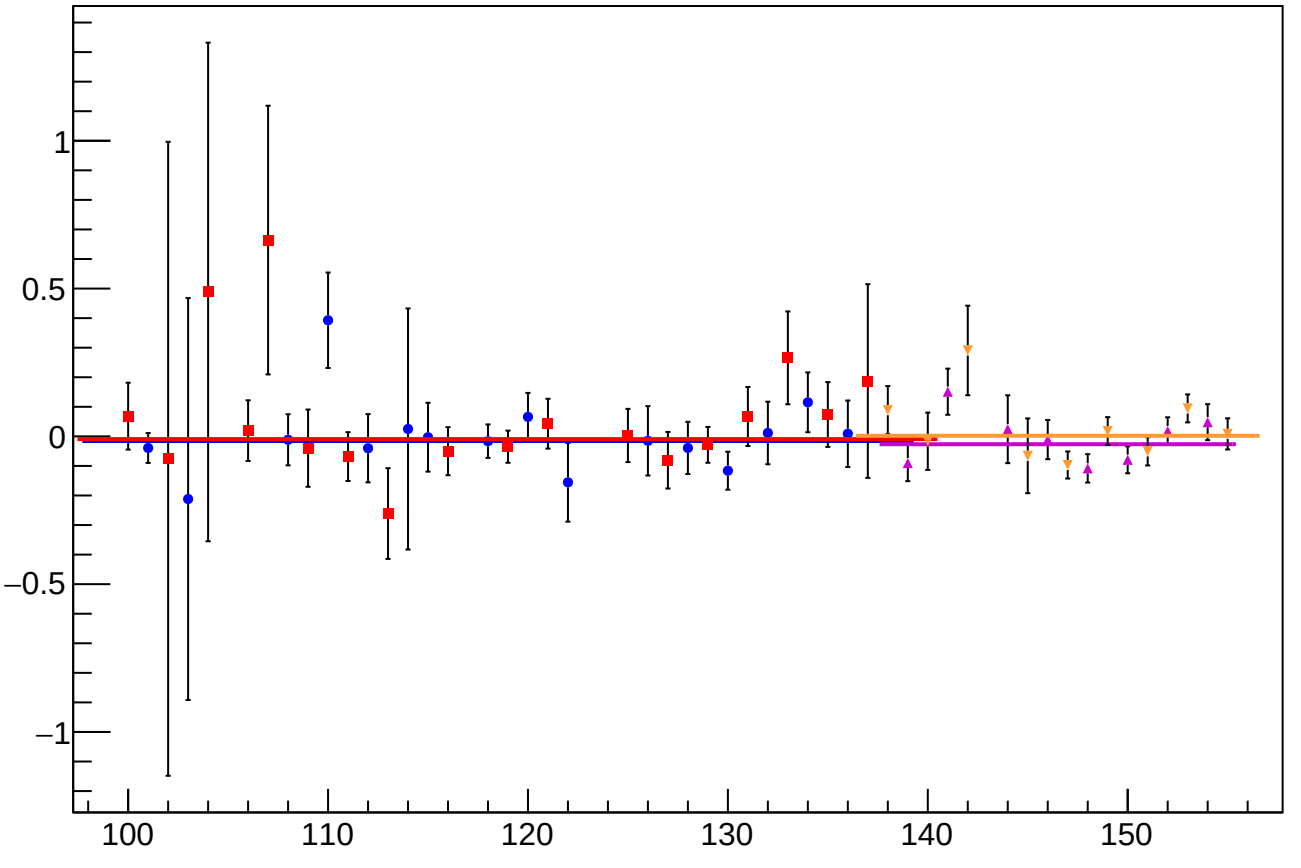
In: 1823.296+/-0.345 χ^2/NDF:521935.0/23

Out: 1862.484+/-0.352 χ^2/NDF:702682.6/26

All: 1842.475+/-0.246 χ^2/NDF: 1230940.5/50


asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 10.2/15
Left Out: 0.000+/-0.000 χ²/NDF:15.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 16.7/17
Left In: -0.000+/-0.000 χ²/NDF:6.1/7
Left: -0.000+/-0.000 χ²/NDF: 21.6/16
Right: -0.000+/-0.000 χ²/NDF: 27.1/33
In: -0.000+/-0.000 χ²/NDF:16.3/23
Out: 0.000+/-0.000 χ²/NDF:31.9/26
All: -0.000+/-0.000 χ²/NDF: 48.8/50


asym_usl_atl1_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
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:522948.9/8
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:537925.9/7
Left: 0.000+/-0.000 χ²/NDF: 1088333.5/16
Right: 0.000+/-0.000 χ²/NDF: 4028264.0/33
In: 0.000+/-0.000 χ²/NDF:2382660.2/23
Out: 0.000+/-0.000 χ²/NDF:2878982.3/26
All: 0.000+/-0.000 χ²/NDF: 5263219.9/50



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.020 χ^2/NDF:14.9/8

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.027+/-0.020 χ^2/NDF:13.2/7

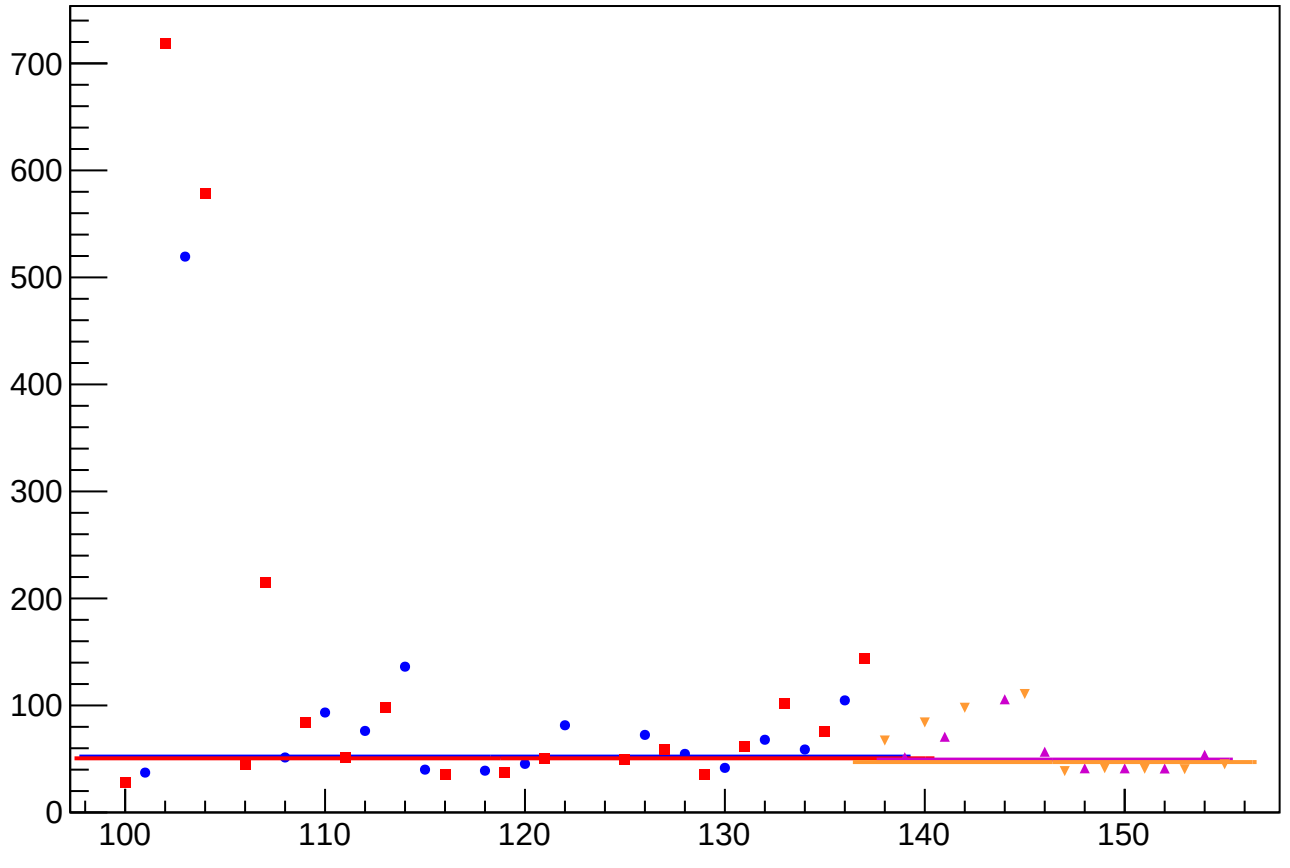
Left: -0.012+/-0.014 χ^2/NDF: 29.1/16

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.022+/-0.015 χ^2/NDF:26.5/23

Out: -0.003+/-0.015 χ^2/NDF:27.5/26

All: -0.012+/-0.011 χ^2/NDF: 54.8/50



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.089+/-0.014 χ^2/NDF:1319597.2/8

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.399+/-0.014 χ^2/NDF:854992.1/7

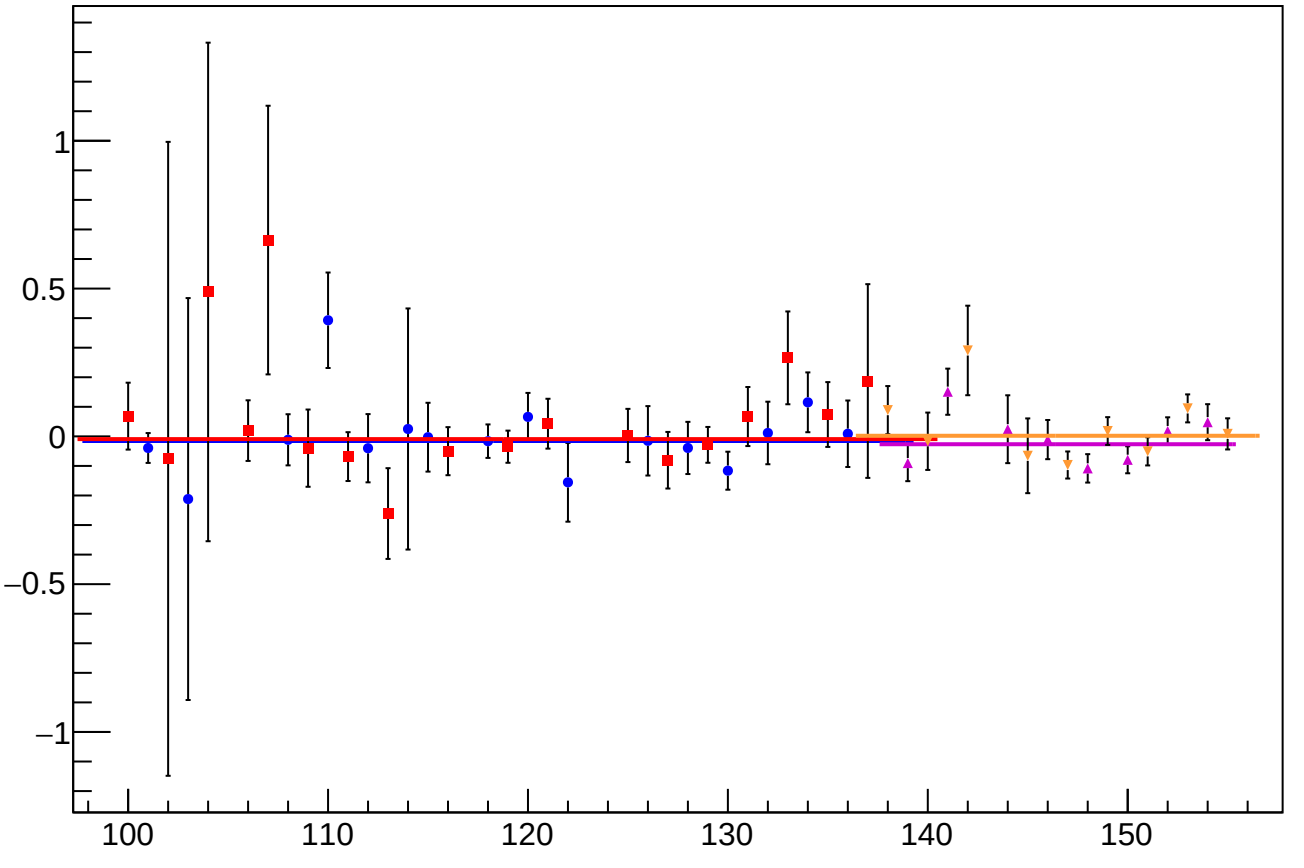
Left: 48.207+/-0.010 χ^2/NDF: 2187697.7/16

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.656+/-0.011 χ^2/NDF:3138627.3/23

Out: 48.537+/-0.011 χ^2/NDF:4396636.3/26

All: 49.596+/-0.008 χ^2/NDF: 7554728.8/50



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.020 χ^2/NDF:14.9/8

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.027+/-0.020 χ^2/NDF:13.2/7

Left: -0.012+/-0.014 χ^2/NDF: 29.1/16

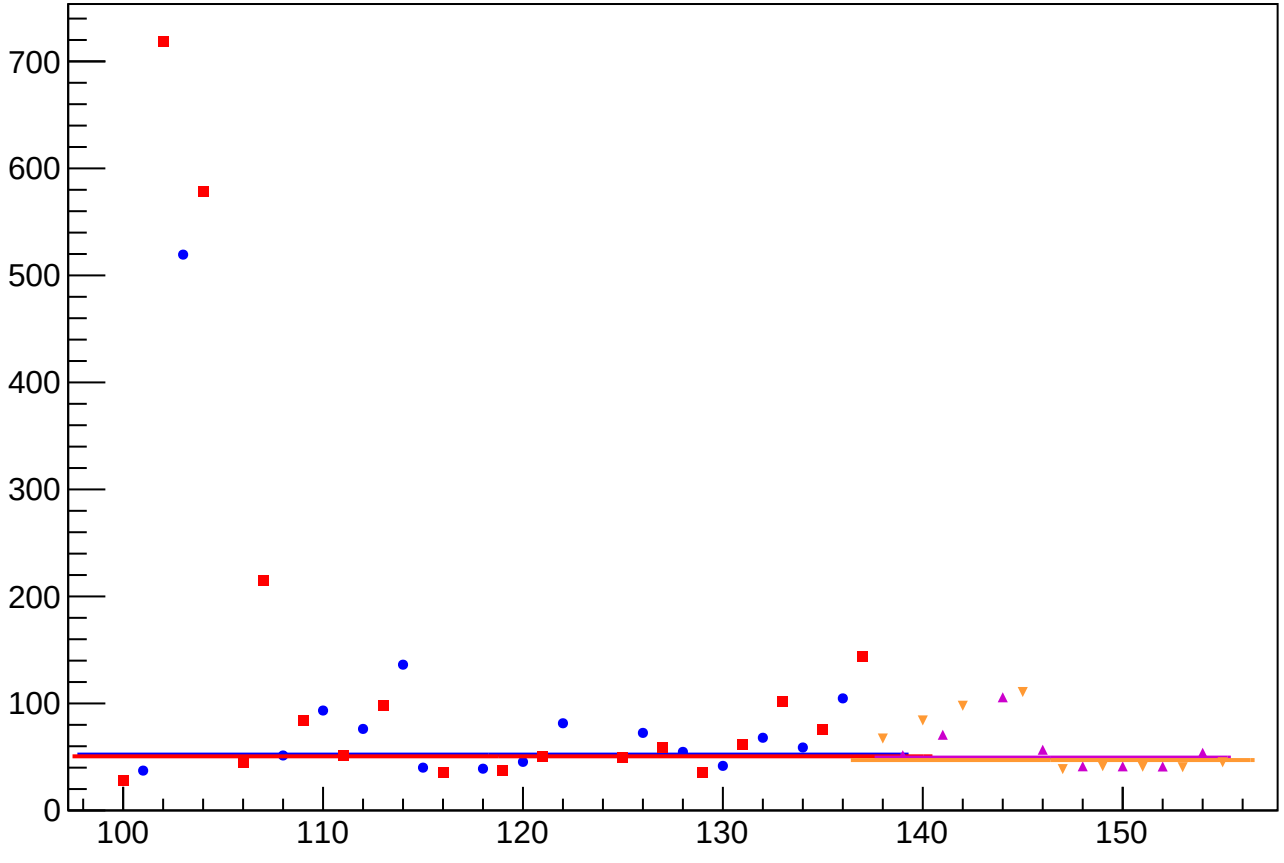
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.022+/-0.015 χ^2/NDF:26.5/23

Out: -0.003+/-0.015 χ^2/NDF:27.5/26

All: -0.012+/-0.011 χ^2/NDF: 54.8/50

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.089+/-0.014 χ^2/NDF:1319597.2/8

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.399+/-0.014 χ^2/NDF:854992.1/7

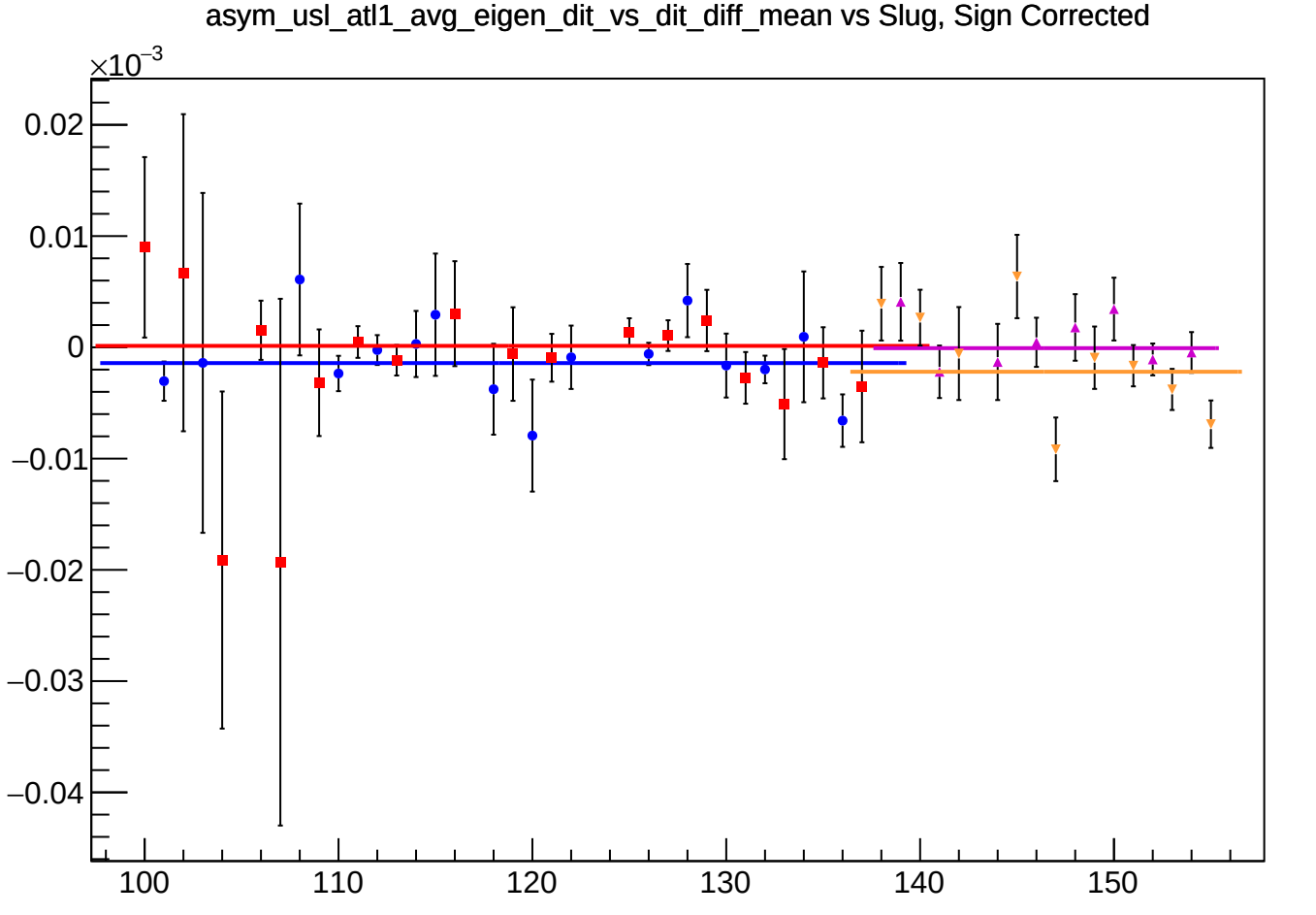
Left: 48.207+/-0.010 χ^2/NDF: 2187697.7/16

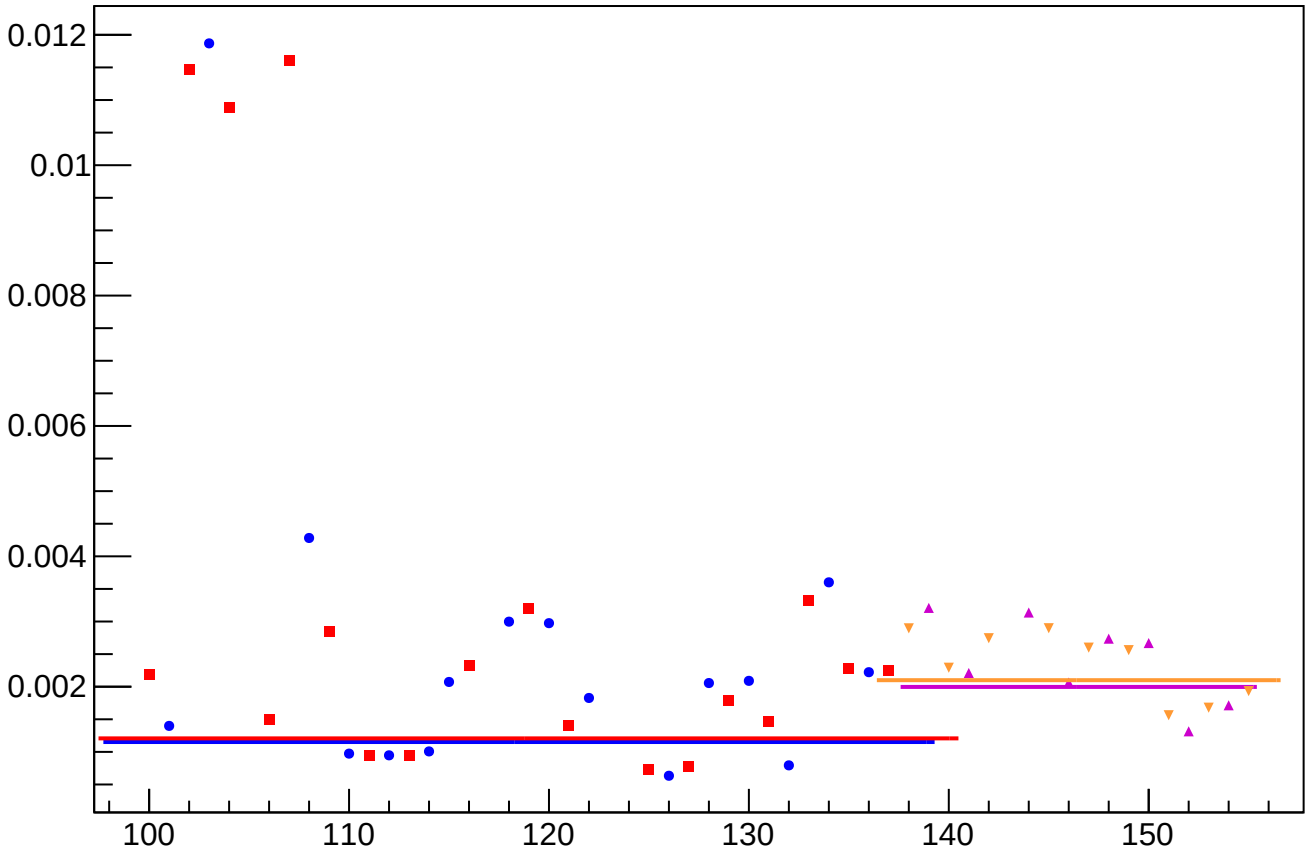
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.656+/-0.011 χ^2/NDF:3138627.3/23

Out: 48.537+/-0.011 χ^2/NDF:4396636.3/26

All: 49.596+/-0.008 χ^2/NDF: 7554728.8/50


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:24.4/8
Right Out: 0.000+/-0.000 χ²/NDF: 11.6/17
Left In: -0.000+/-0.000 χ²/NDF:4.9/7
Left: -0.000+/-0.000 χ²/NDF: 32.7/16
Right: -0.000+/-0.000 χ²/NDF: 30.7/33
In: -0.000+/-0.000 χ²/NDF:21.9/23
Out: -0.000+/-0.000 χ²/NDF:41.4/26
All: -0.000+/-0.000 χ²/NDF: 63.7/50



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:664973.5/8

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1218840.8/7

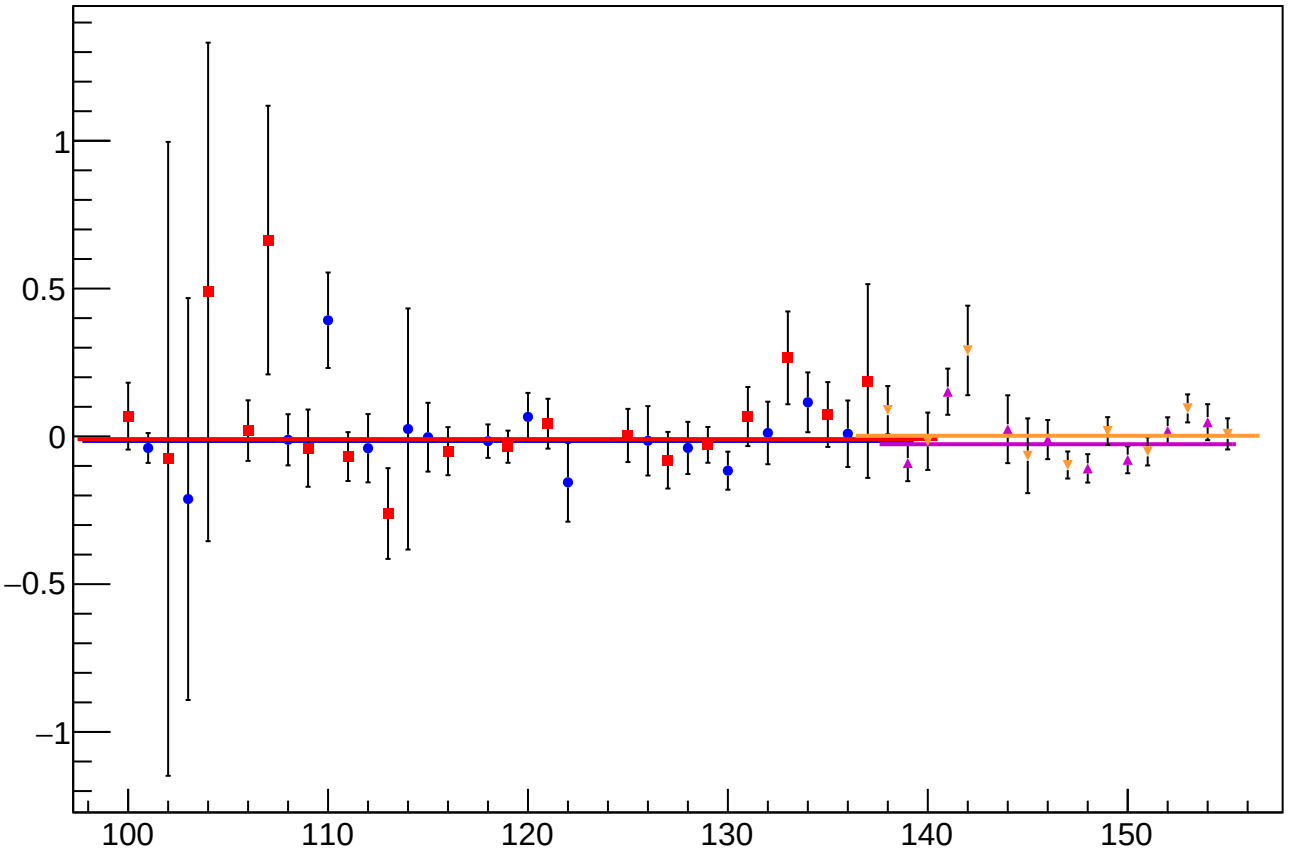
Left: 0.002+/-0.000 χ^2/NDF: 1899857.5/16

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:6991238.8/23

Out: 0.001+/-0.000 χ^2/NDF:6767600.4/26

All: 0.001+/-0.000 χ^2/NDF: 13790465.8/50



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.020 χ^2/NDF:14.9/8

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.027+/-0.020 χ^2/NDF:13.2/7

Left: -0.012+/-0.014 χ^2/NDF: 29.1/16

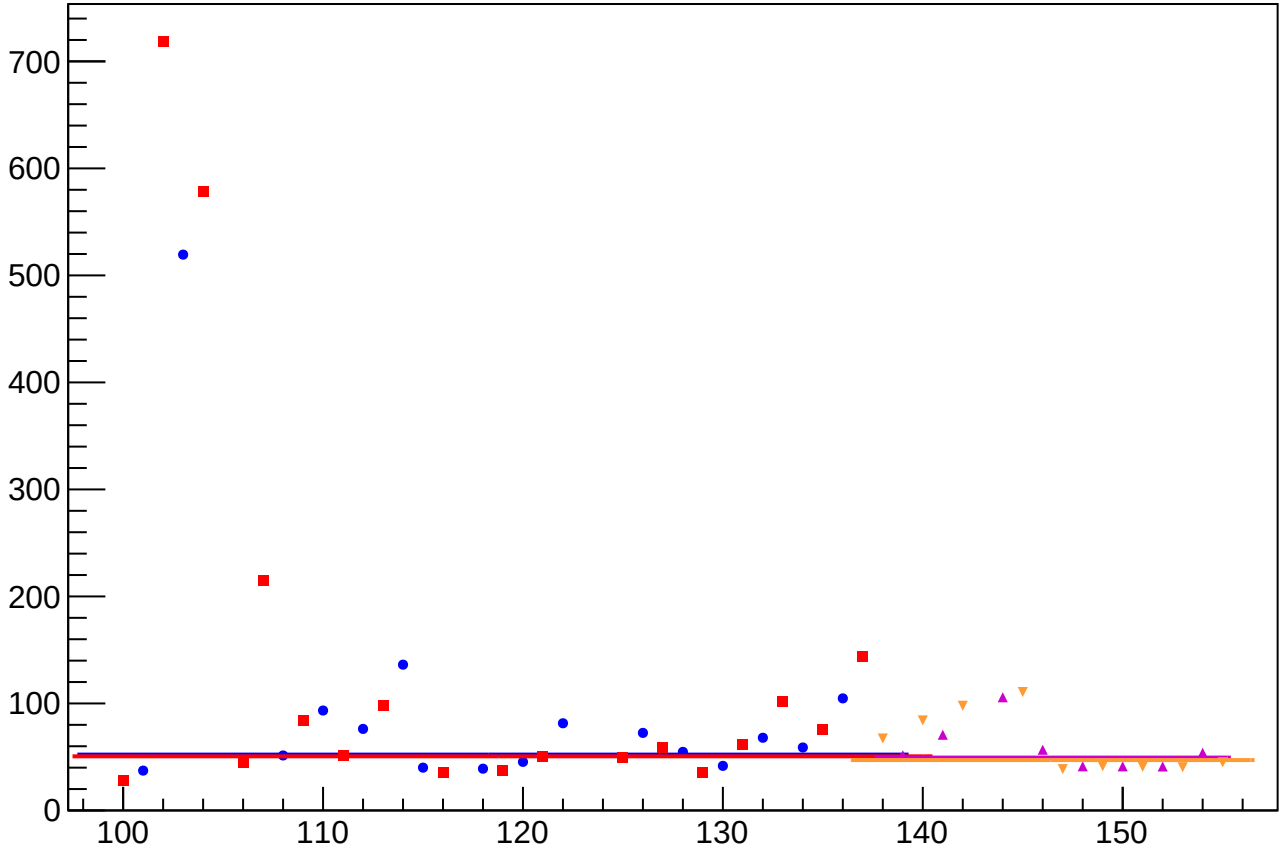
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.022+/-0.015 χ^2/NDF:26.5/23

Out: -0.003+/-0.015 χ^2/NDF:27.5/26

All: -0.012+/-0.011 χ^2/NDF: 54.8/50

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.089+/-0.014 χ^2/NDF:1319575.4/8

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.399+/-0.014 χ^2/NDF:854975.8/7

Left: 48.207+/-0.010 χ^2/NDF: 2187660.8/16

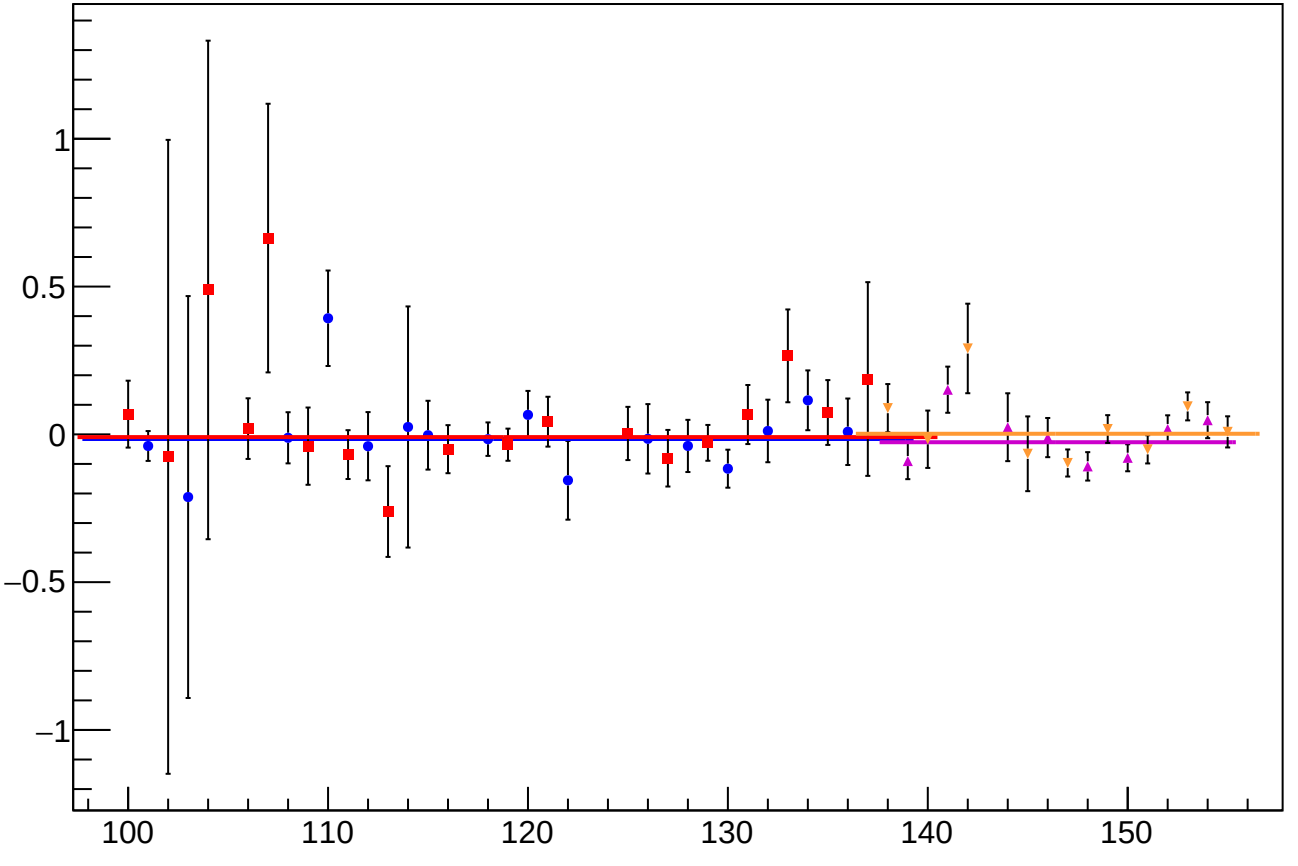
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.656+/-0.011 χ^2/NDF:3138601.3/23

Out: 48.537+/-0.011 χ^2/NDF:4396594.8/26

All: 49.596+/-0.008 χ^2/NDF: 7554663.2/50

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.002+/-0.020 χ^2/NDF:14.9/8

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.027+/-0.020 χ^2/NDF:13.2/7

Left: -0.012+/-0.014 χ^2/NDF: 29.1/16

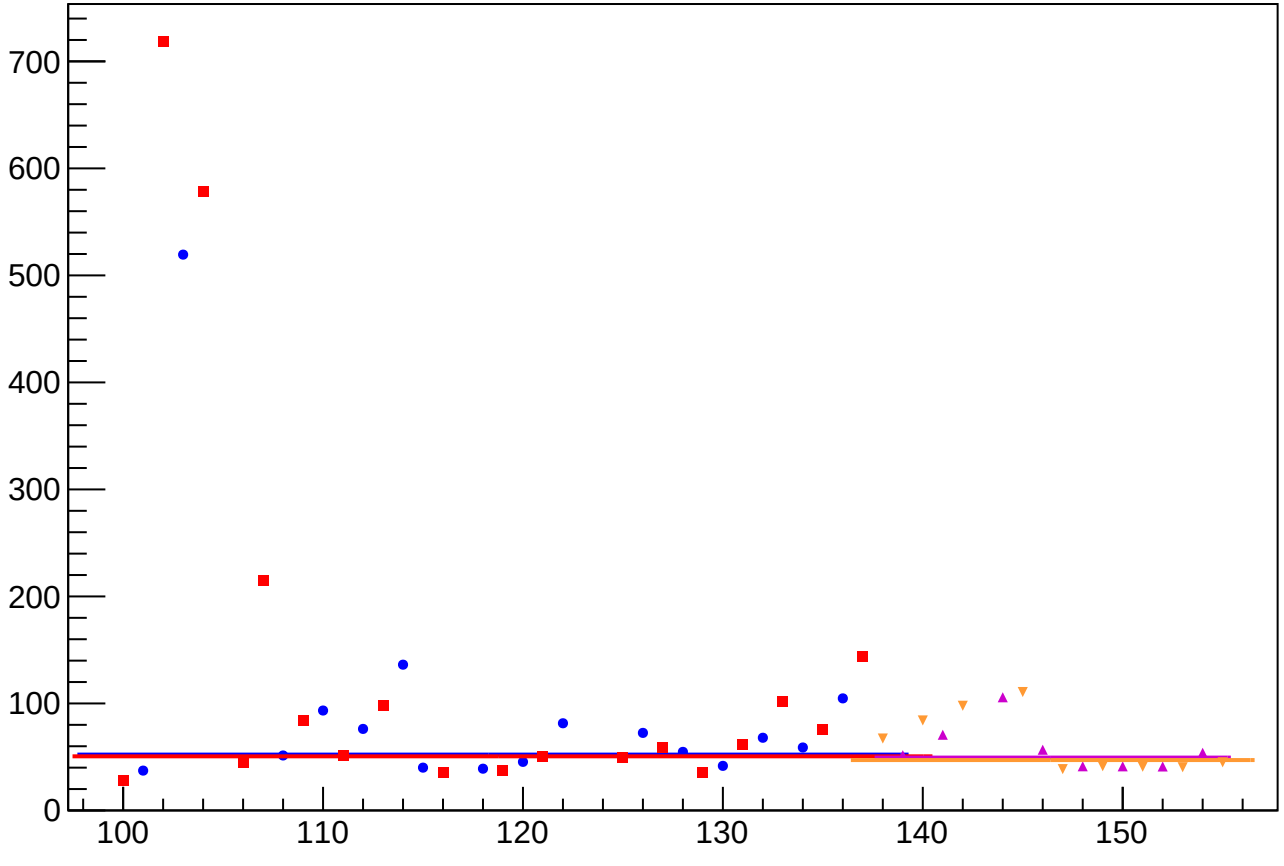
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.022+/-0.015 χ^2/NDF:26.5/23

Out: -0.003+/-0.015 χ^2/NDF:27.5/26

All: -0.012+/-0.011 χ^2/NDF: 54.8/50

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 47.089+/-0.014 χ^2/NDF:1319575.4/8

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.399+/-0.014 χ^2/NDF:854975.8/7

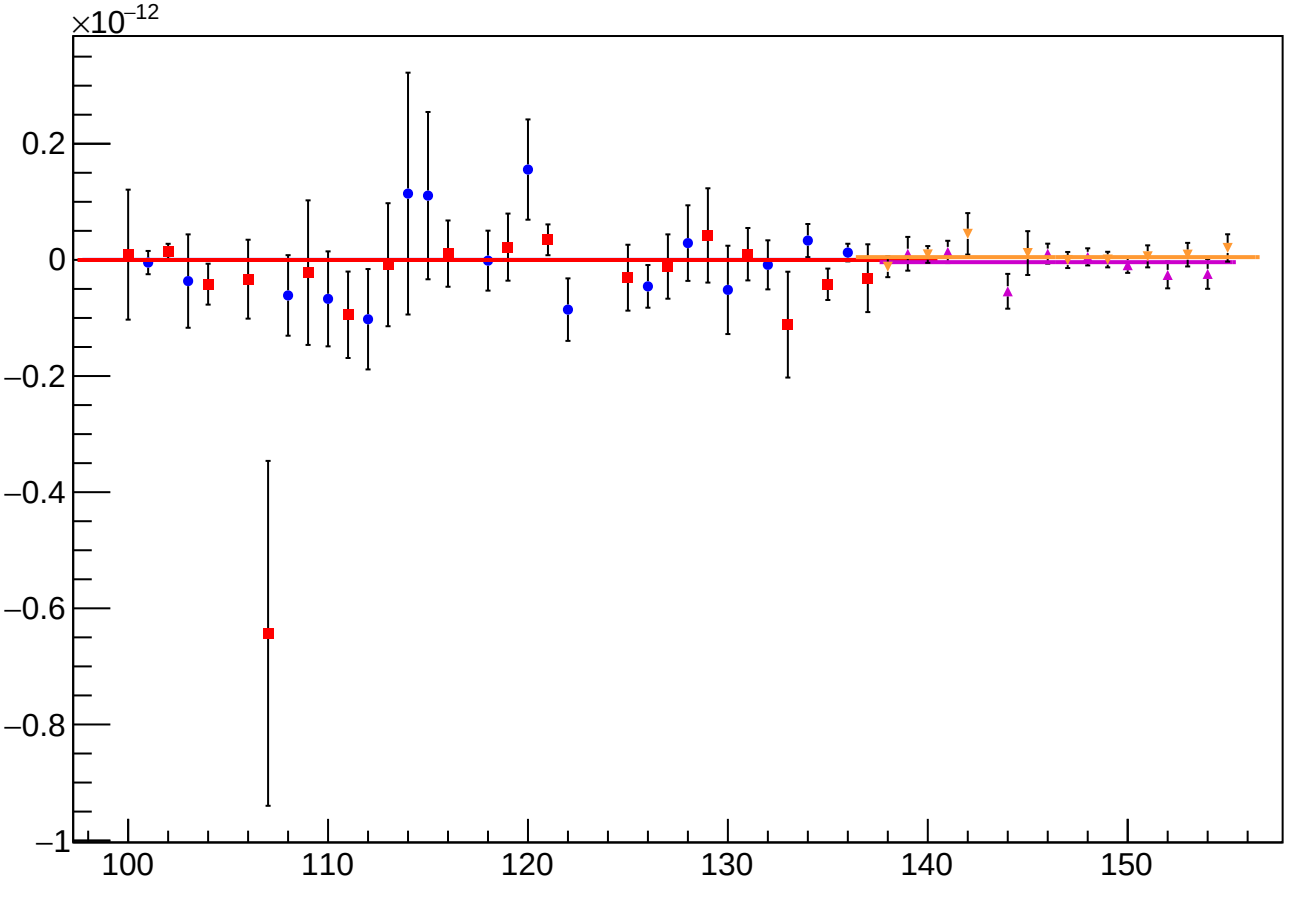
Left: 48.207+/-0.010 χ^2/NDF: 2187660.8/16

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.656+/-0.011 χ^2/NDF:3138601.3/23

Out: 48.537+/-0.011 χ^2/NDF:4396594.8/26

All: 49.596+/-0.008 χ^2/NDF: 7554663.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/8

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:6.7/7

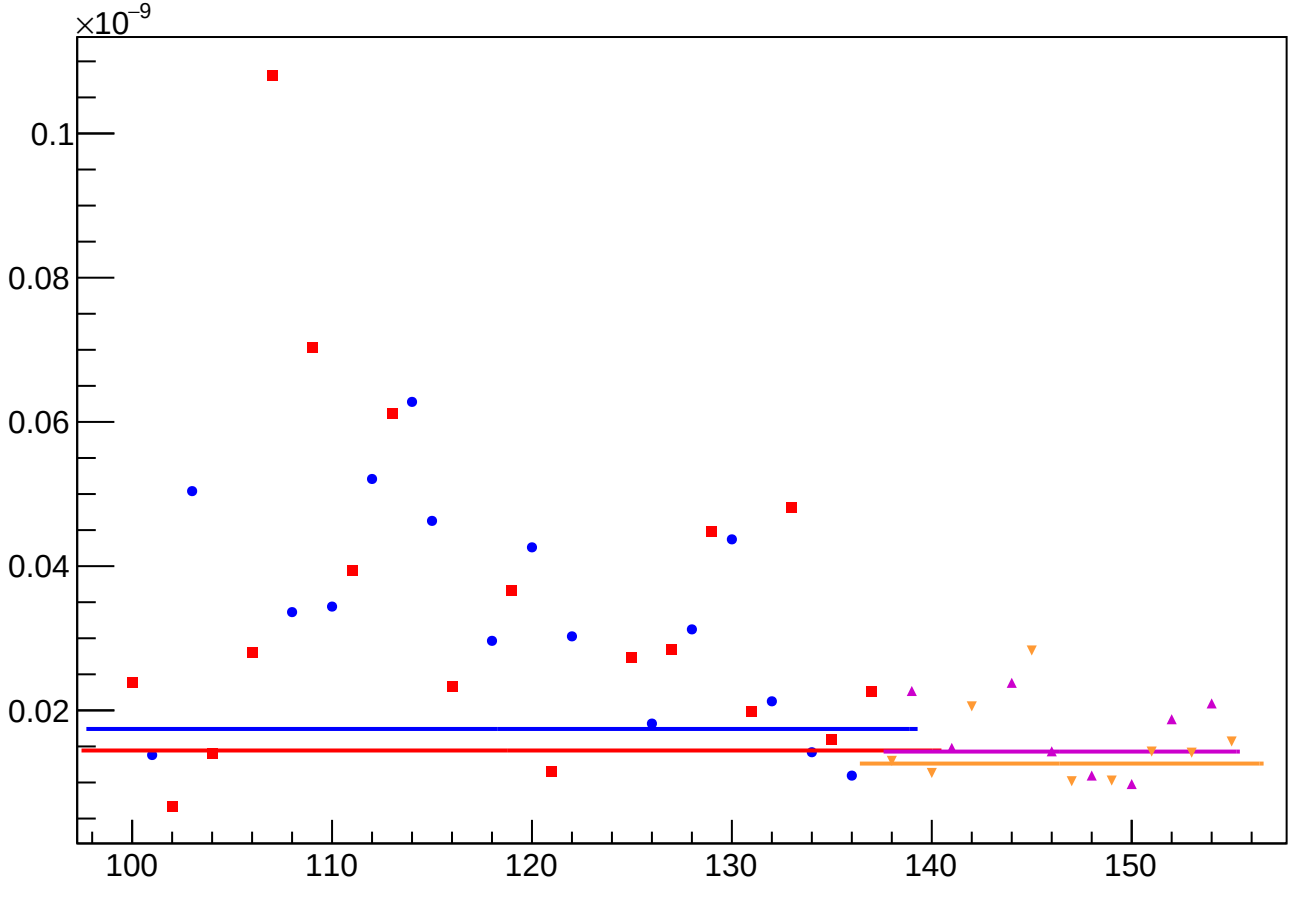
Left: 0.000+/-0.000 χ^2/NDF: 10.6/16

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

In: -0.000+/-0.000 χ^2/NDF:20.9/23

Out: 0.000+/-0.000 χ^2/NDF:19.2/26

All: 0.000+/-0.000 χ^2/NDF: 40.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:646166.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:912098.3/7

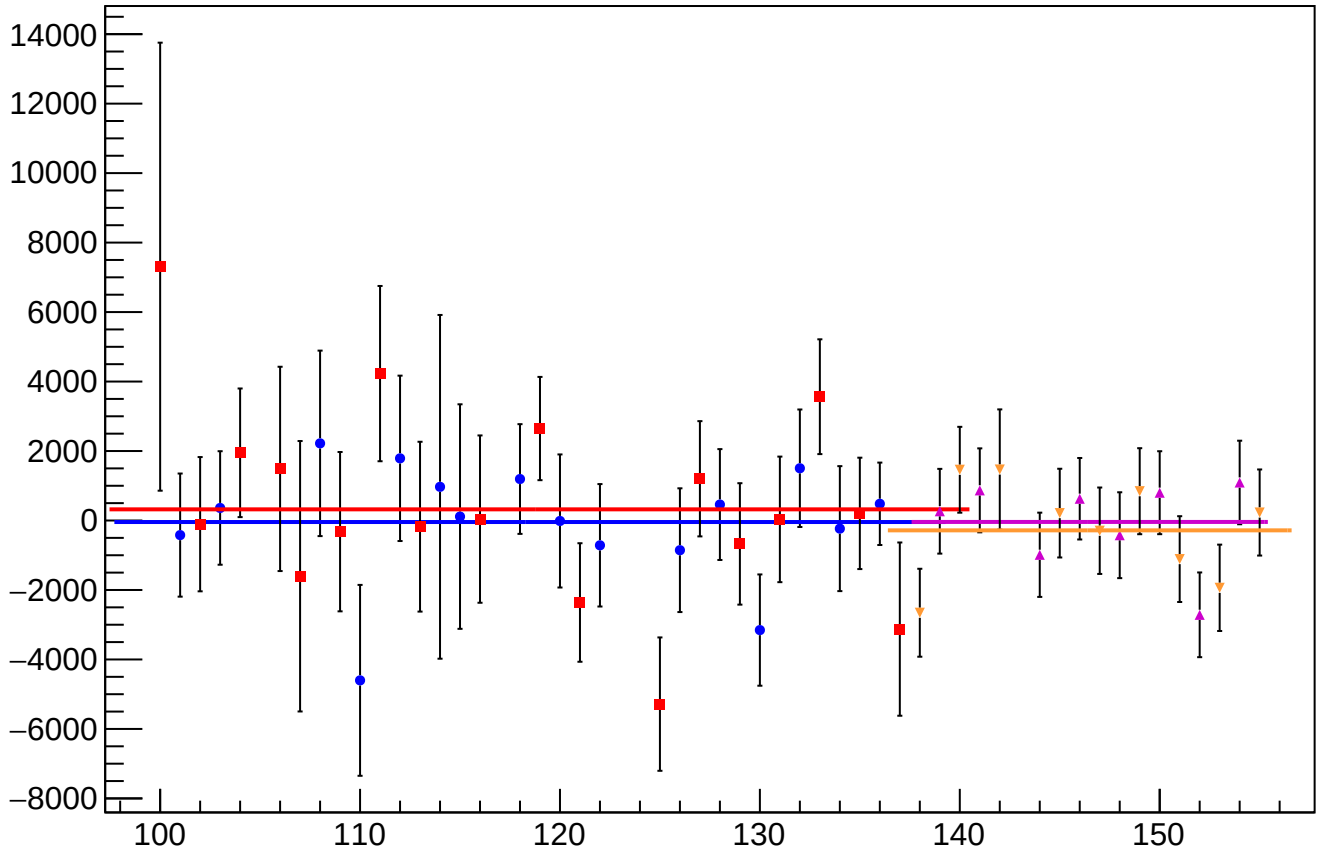
Left: 0.000+/-0.000 χ^2/NDF: 1625562.9/16

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:3283928.6/23

Out: 0.000+/-0.000 χ^2/NDF:3963569.3/26

All: 0.000+/-0.000 χ^2/NDF: 7416196.6/50



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -283.380+/-427.209 χ^2/NDF:9.9/8

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: -41.339+/-427.023 χ^2/NDF:7.9/7

Left: -162.307+/-302.017 χ^2/NDF: 17.9/16

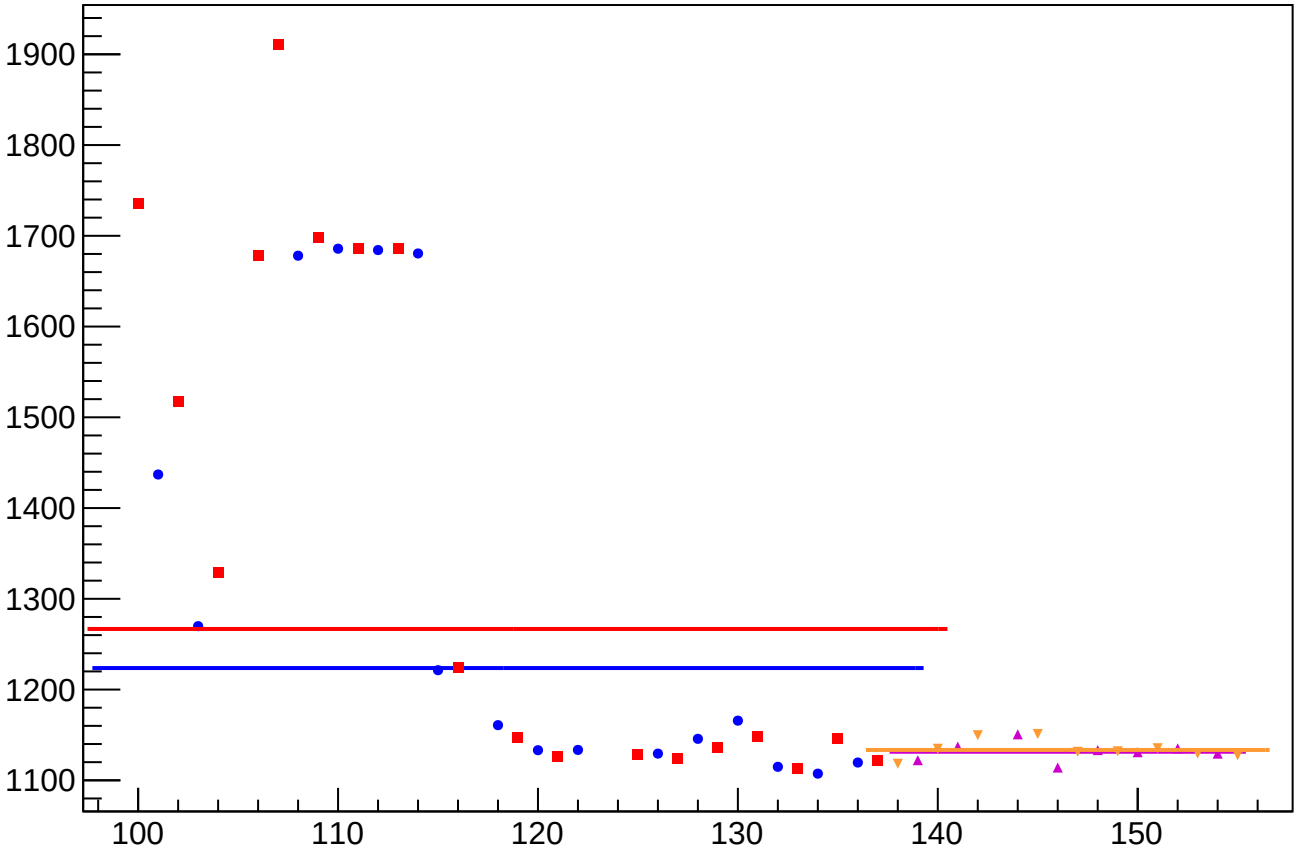
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: -42.425+/-312.715 χ^2/NDF:18.0/23

Out: -12.958+/-317.621 χ^2/NDF:35.6/26

All: -27.921+/-222.837 χ^2/NDF: 53.5/50

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.459+/-0.302 χ^2/NDF:923.1/8

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1131.476+/-0.302 χ^2/NDF:1130.0/7

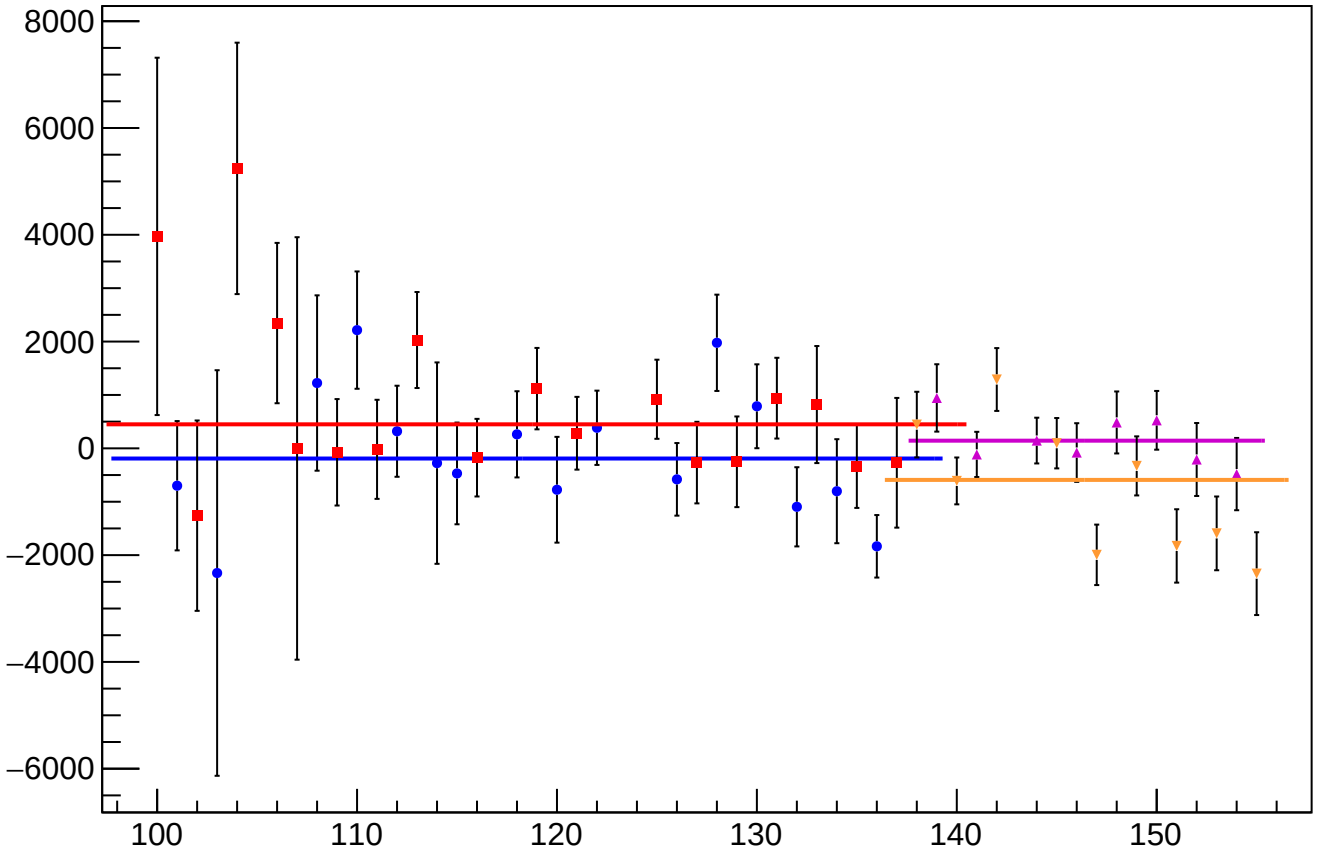
Left: 1132.467+/-0.214 χ^2/NDF: 2074.7/16

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1174.244+/-0.221 χ^2/NDF:339359.3/23

Out: 1193.086+/-0.225 χ^2/NDF:520881.7/26

All: 1183.518+/-0.158 χ^2/NDF: 863814.7/50



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -591.159+/-190.735 χ^2/NDF:32.0/8

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 143.680+/-190.854 χ^2/NDF:4.1/7

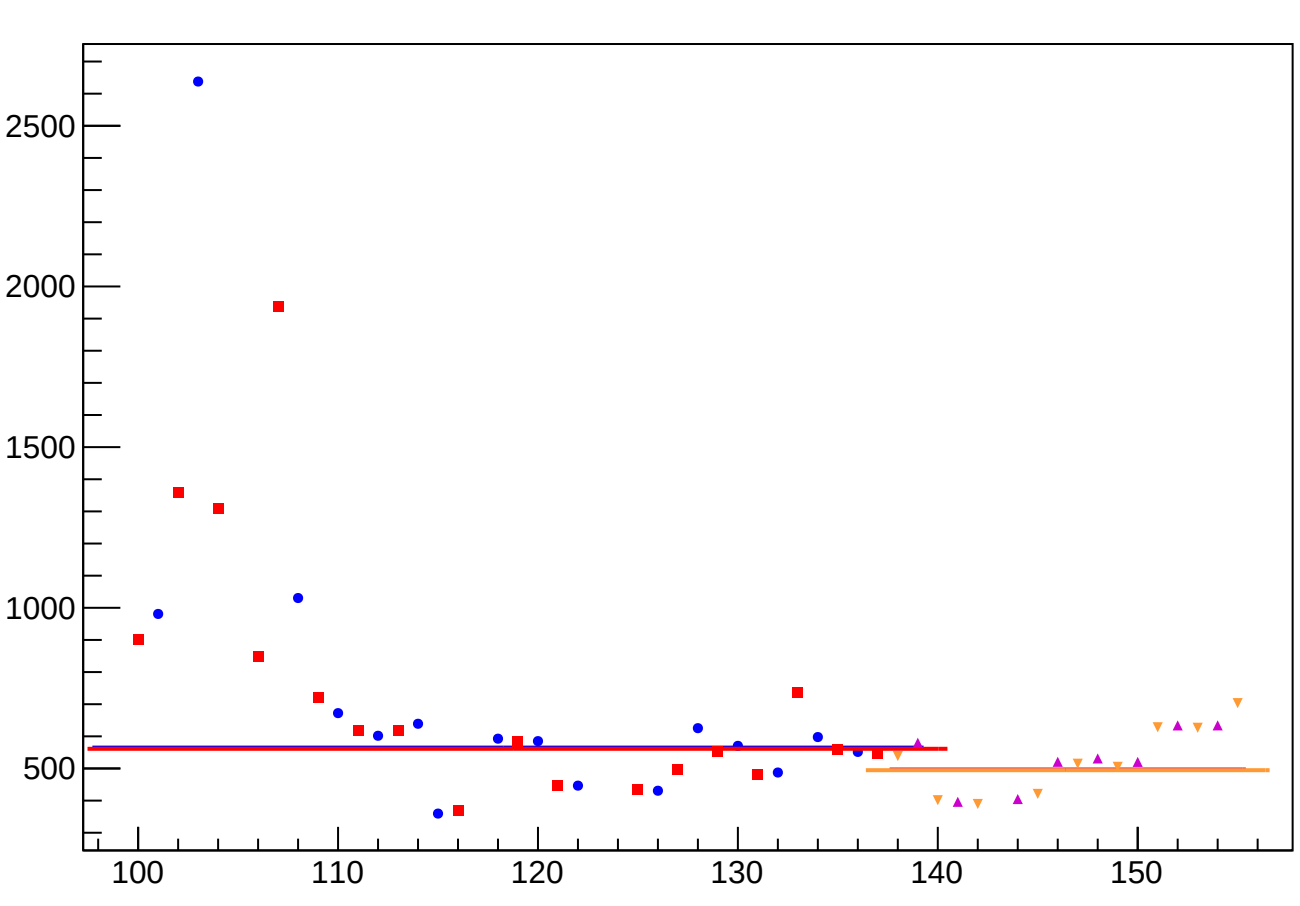
Left: -223.967+/-134.912 χ^2/NDF: 43.5/16

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 2.239+/-144.964 χ^2/NDF:30.6/23

Out: -151.808+/-145.004 χ^2/NDF:61.4/26

All: -74.763+/-102.519 χ^2/NDF: 92.6/50



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 494.627+/-0.135 χ^2/NDF:510371.8/8

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 496.870+/-0.135 χ^2/NDF:417112.8/7

Left: 495.748+/-0.095 χ^2/NDF: 927622.8/16

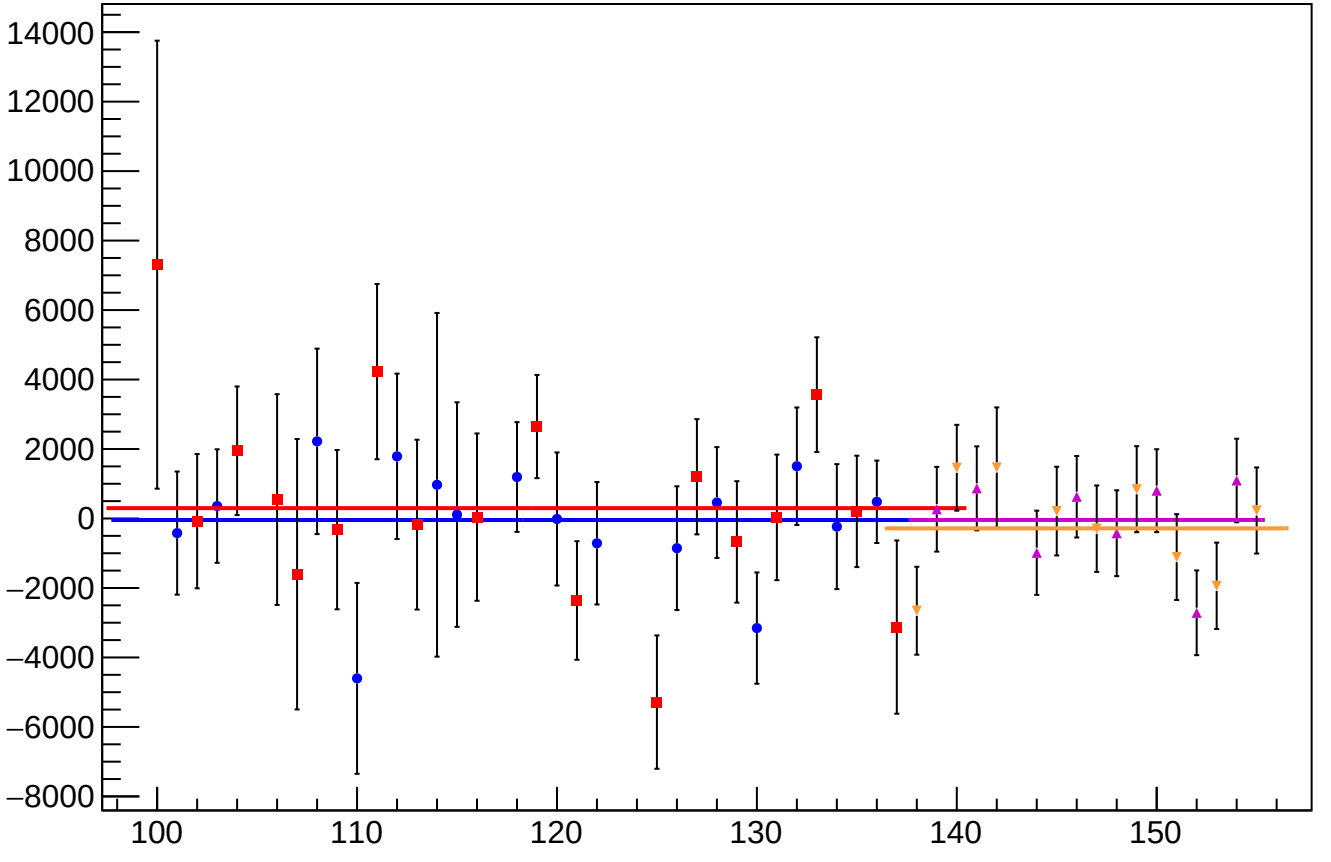
Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 525.677+/-0.103 χ^2/NDF:1809286.0/23

Out: 522.742+/-0.103 χ^2/NDF:1965575.6/26

All: 524.210+/-0.072 χ^2/NDF: 3775271.3/50

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -283.300+/-427.209 χ^2/NDF:9.9/8

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -41.399+/-427.023 χ^2/NDF:7.9/7

Left: -162.297+/-302.017 χ^2/NDF: 17.9/16

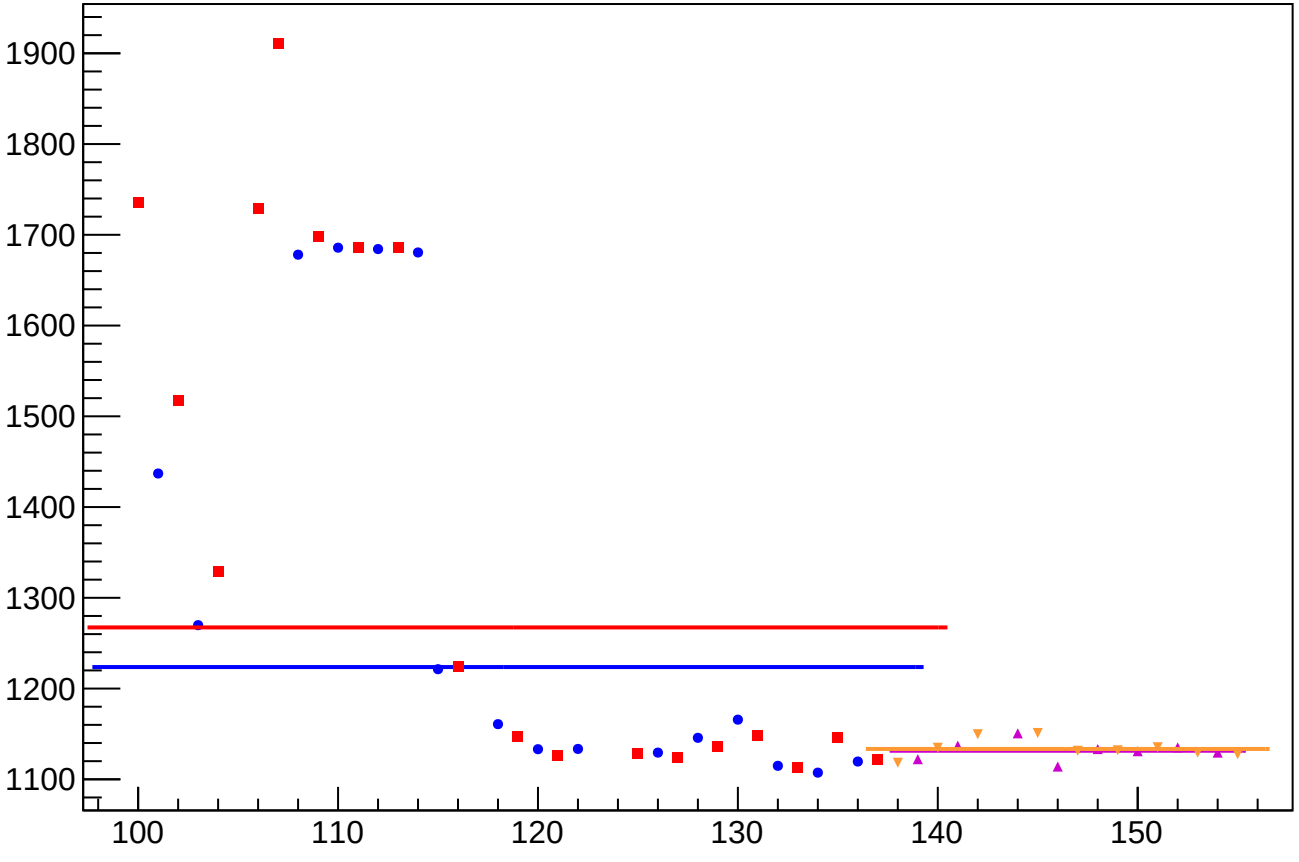
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -42.569+/-312.715 χ^2/NDF:17.9/23

Out: -23.454+/-317.733 χ^2/NDF:35.3/26

All: -33.163+/-222.876 χ^2/NDF: 53.3/50

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.459+/-0.302 χ^2/NDF:923.1/8

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.476+/-0.302 χ^2/NDF:1130.0/7

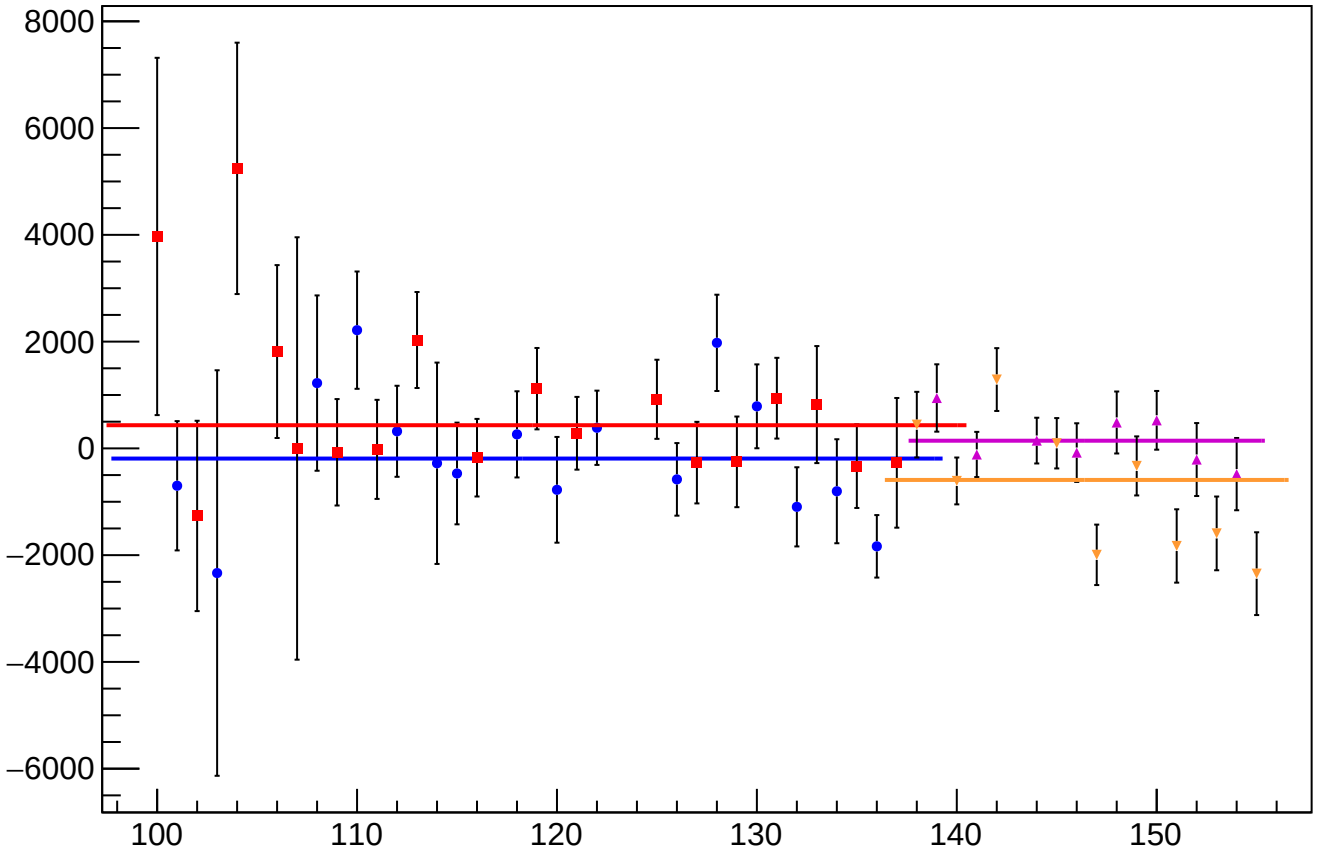
Left: 1132.467+/-0.214 χ^2/NDF: 2074.7/16

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1174.244+/-0.221 χ^2/NDF:339359.4/23

Out: 1193.294+/-0.225 χ^2/NDF:528706.0/26

All: 1183.617+/-0.158 χ^2/NDF: 871717.4/50



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -591.148+/-190.735 χ^2/NDF:32.0/8

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 143.684+/-190.853 χ^2/NDF:4.1/7

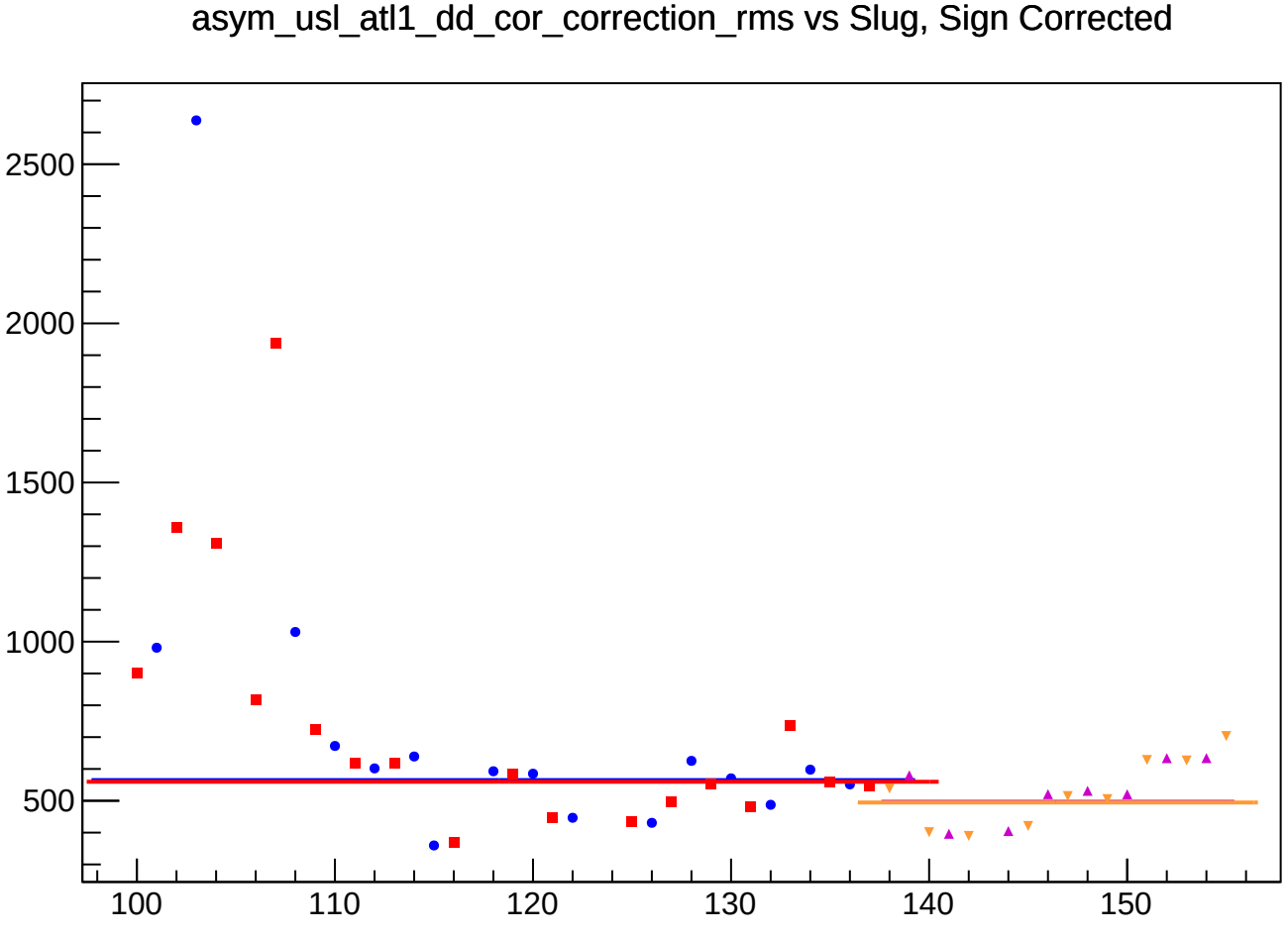
Left: -223.961+/-134.912 χ^2/NDF: 43.5/16

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 2.236+/-144.963 χ^2/NDF:30.6/23

Out: -159.315+/-145.097 χ^2/NDF:60.1/26

All: -78.465+/-102.552 χ^2/NDF: 91.4/50



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 494.625+/-0.135 χ^2/NDF:510349.5/8

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 496.871+/-0.135 χ^2/NDF:417077.0/7

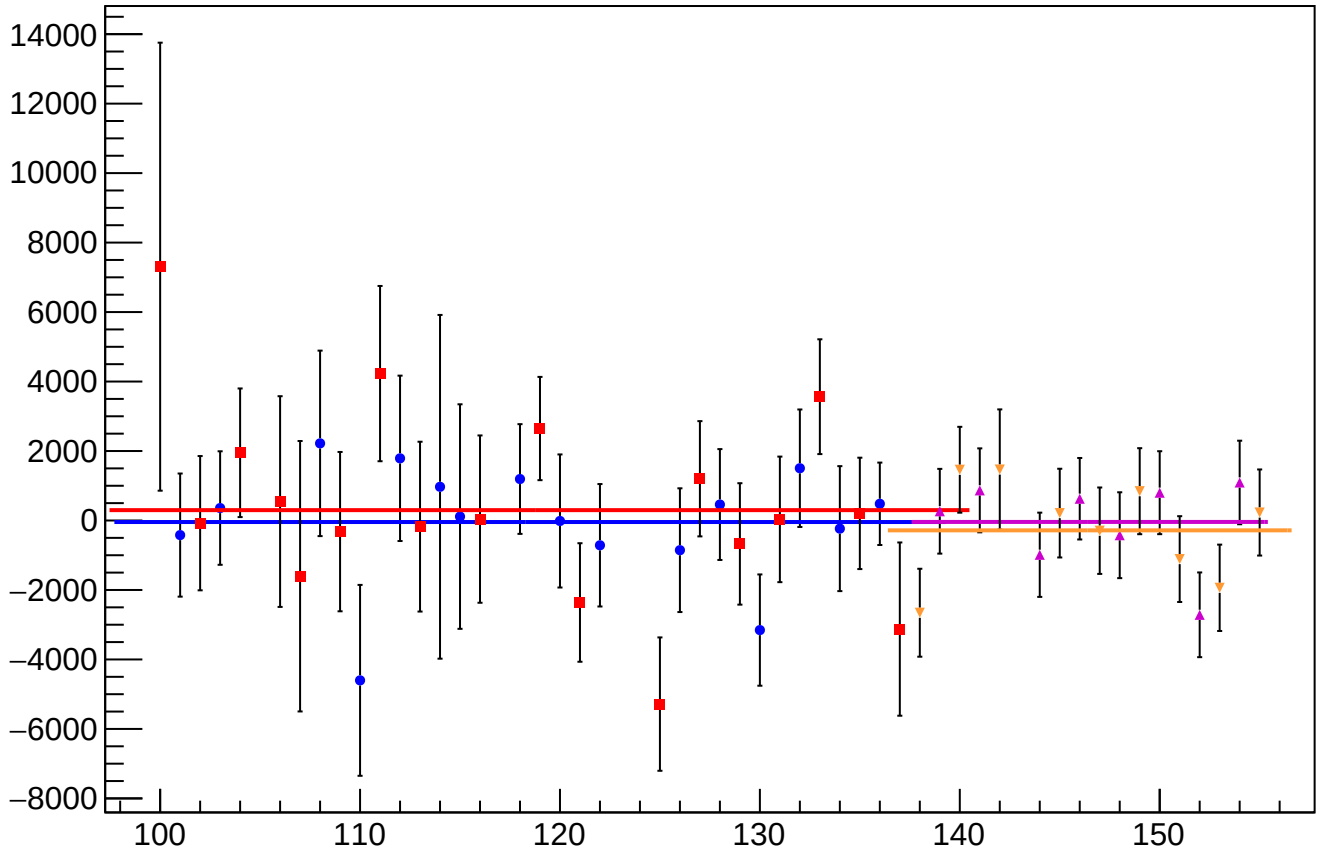
Left: 495.747+/-0.095 χ^2/NDF: 927565.1/16

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 525.676+/-0.103 χ^2/NDF:1809212.3/23

Out: 522.065+/-0.103 χ^2/NDF:1937960.8/26

All: 523.872+/-0.073 χ^2/NDF: 3747793.0/50



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -283.300+/-427.209 χ^2/NDF:9.9/8

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -41.399+/-427.023 χ^2/NDF:7.9/7

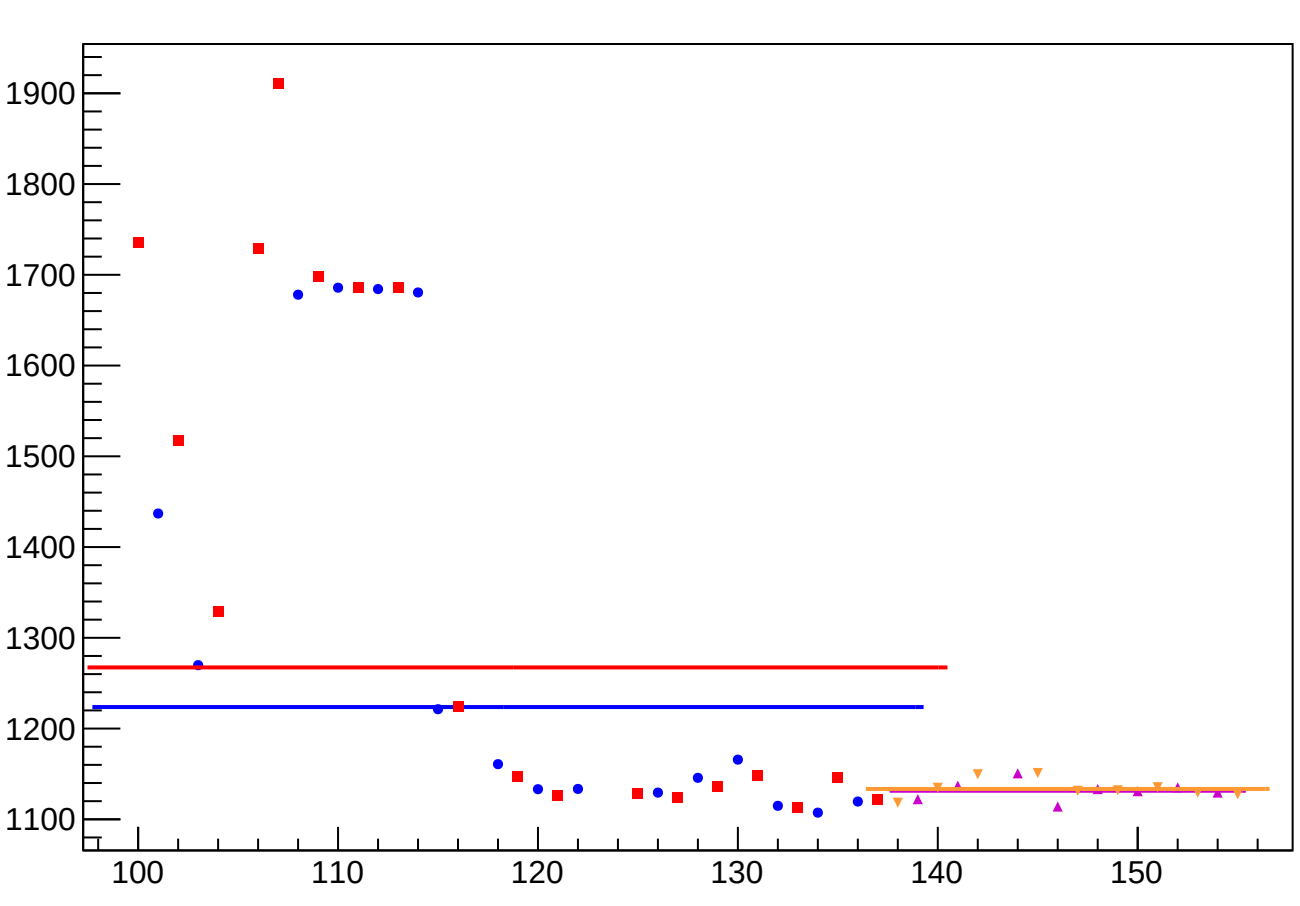
Left: -162.297+/-302.017 χ^2/NDF: 17.9/16

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -42.569+/-312.715 χ^2/NDF:17.9/23

Out: -23.454+/-317.733 χ^2/NDF:35.3/26

All: -33.163+/-222.876 χ^2/NDF: 53.3/50



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1133.459+/-0.302 χ^2/NDF:923.1/8

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.476+/-0.302 χ^2/NDF:1130.0/7

Left: 1132.467+/-0.214 χ^2/NDF: 2074.7/16

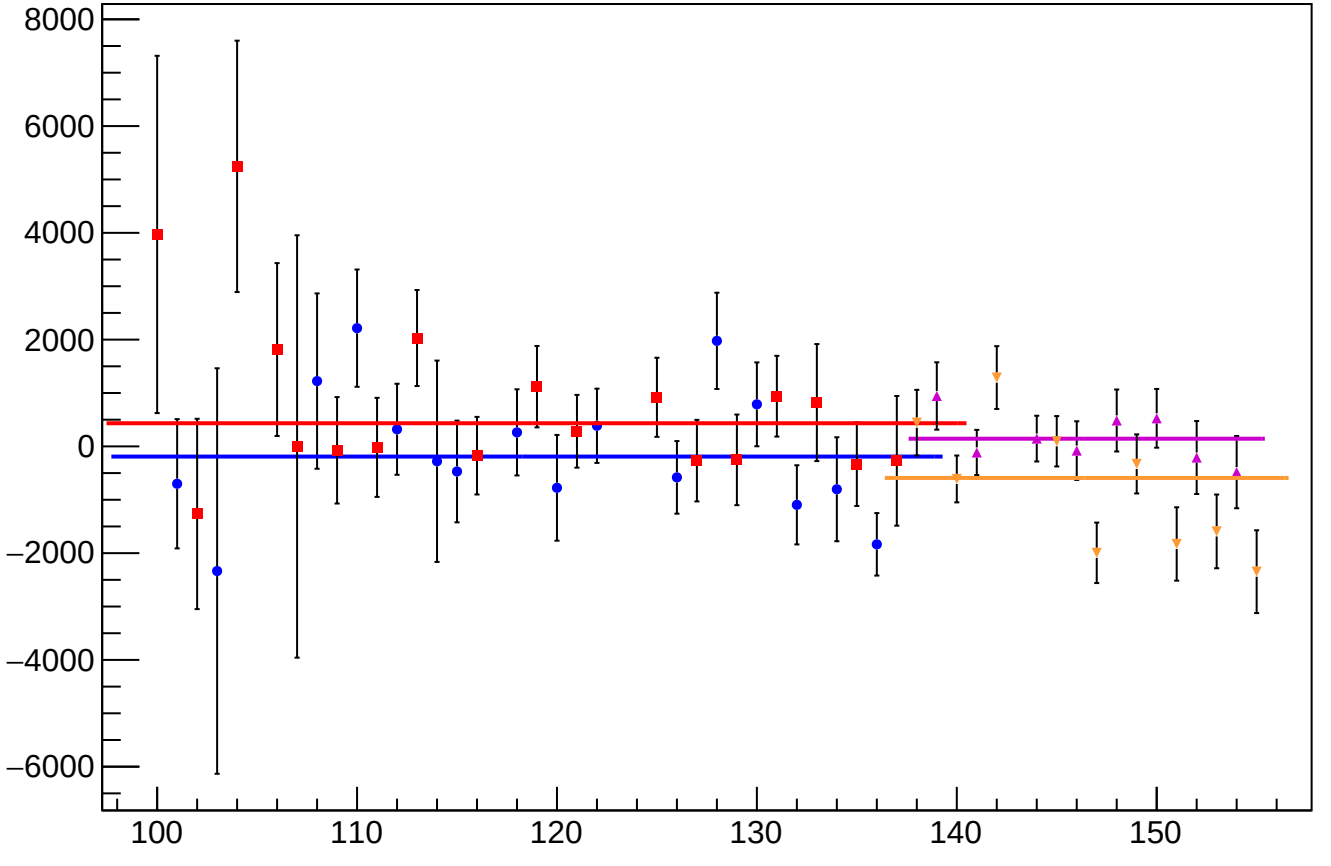
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1174.244+/-0.221 χ^2/NDF:339359.4/23

Out: 1193.294+/-0.225 χ^2/NDF:528706.0/26

All: 1183.617+/-0.158 χ^2/NDF: 871717.4/50

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: -591.148+/-190.735 χ^2/NDF:32.0/8

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 143.684+/-190.853 χ^2/NDF:4.1/7

Left: -223.961+/-134.912 χ^2/NDF: 43.5/16

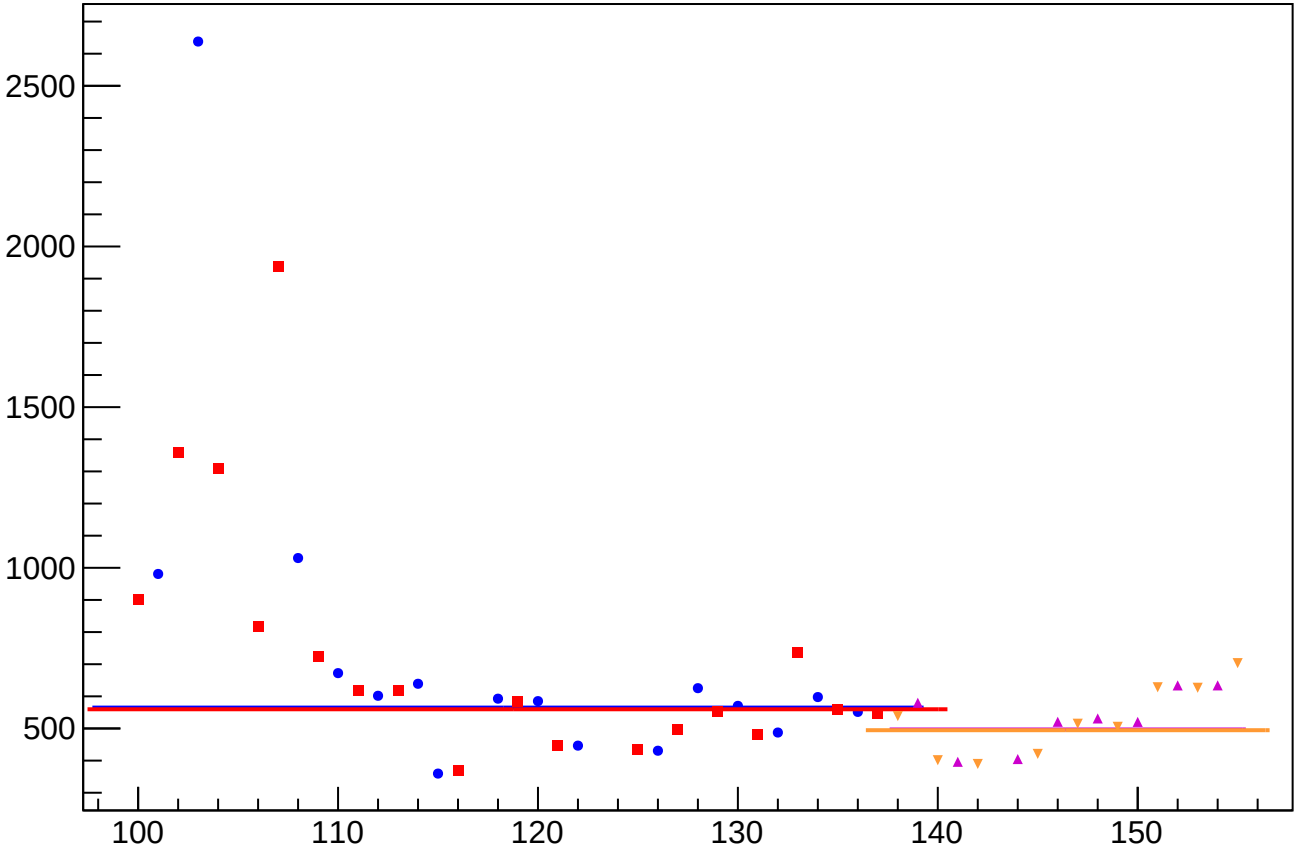
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 2.236+/-144.963 χ^2/NDF:30.6/23

Out: -159.315+/-145.097 χ^2/NDF:60.1/26

All: -78.465+/-102.552 χ^2/NDF: 91.4/50

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: 494.625+/-0.135 χ^2/NDF:510349.5/8

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 496.871+/-0.135 χ^2/NDF:417077.0/7

Left: 495.747+/-0.095 χ^2/NDF: 927565.1/16

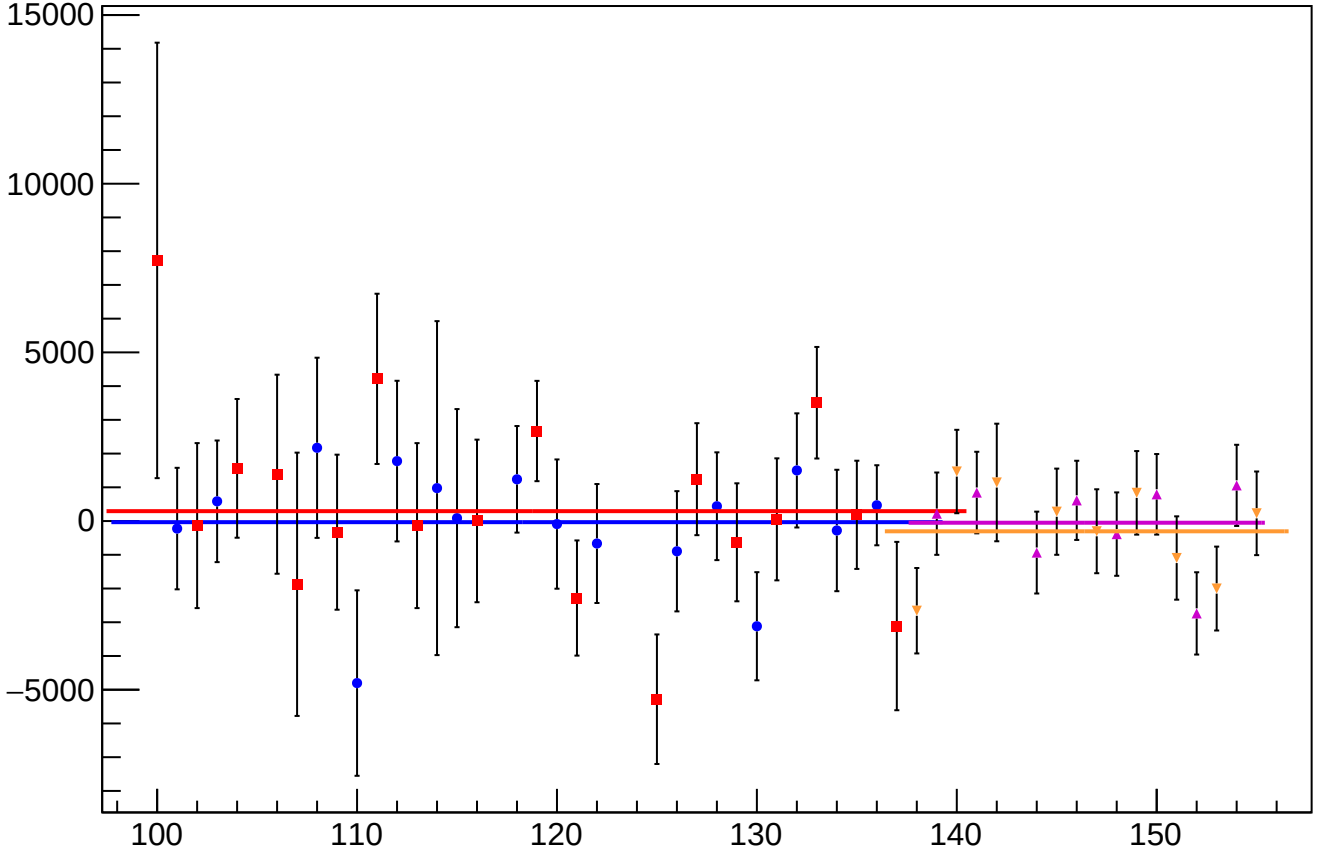
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 525.676+/-0.103 χ^2/NDF:1809212.3/23

Out: 522.065+/-0.103 χ^2/NDF:1937960.8/26

All: 523.872+/-0.073 χ^2/NDF: 3747793.0/50

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -304.180+/-427.547 χ^2/NDF:9.7/8

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -49.628+/-427.189 χ^2/NDF:7.7/7

Left: -176.797+/-302.195 χ^2/NDF: 17.6/16

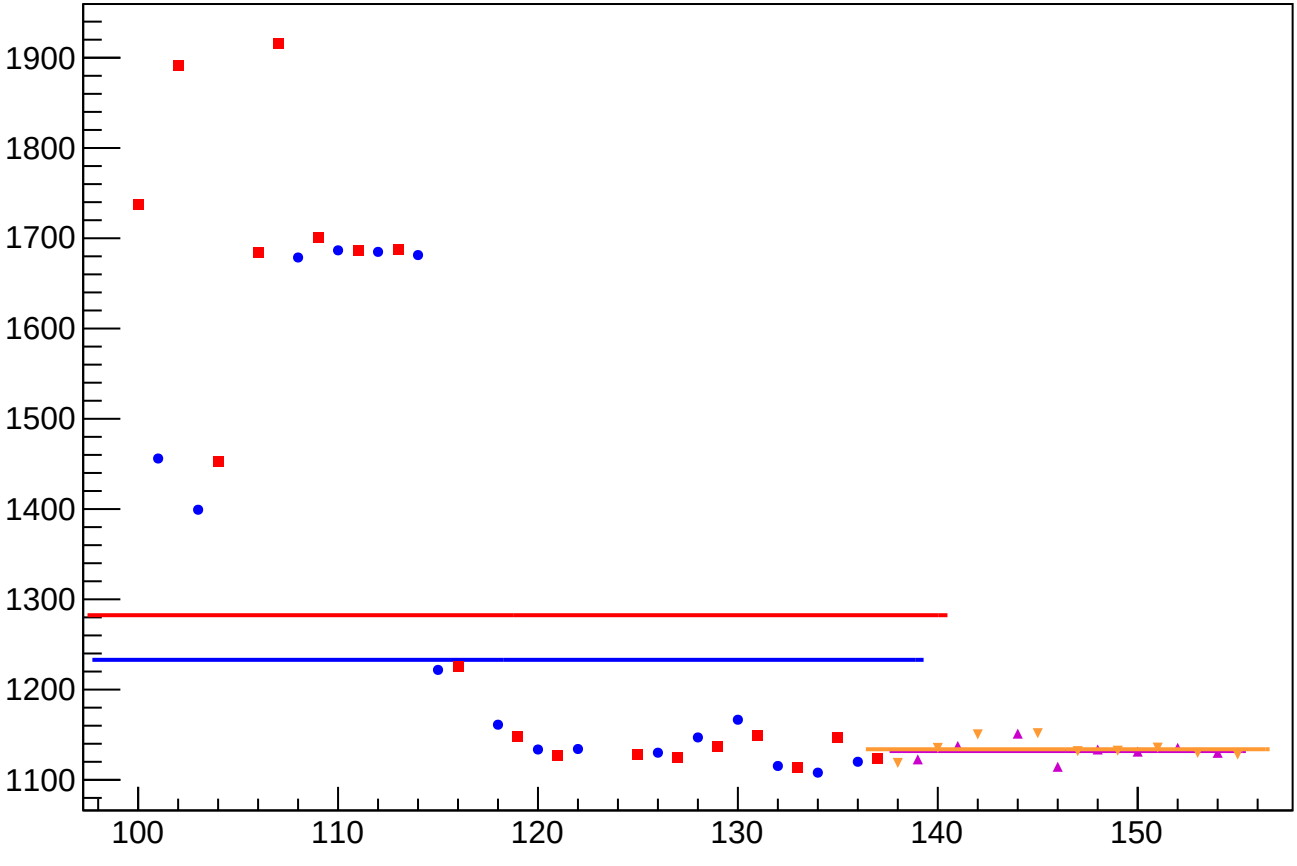
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -42.014+/-314.033 χ^2/NDF:18.0/23

Out: -42.165+/-320.384 χ^2/NDF:34.8/26

All: -42.088+/-224.267 χ^2/NDF: 52.8/50

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1133.909+/-0.302 χ^2/NDF:933.6/8

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1131.915+/-0.302 χ^2/NDF:1130.3/7

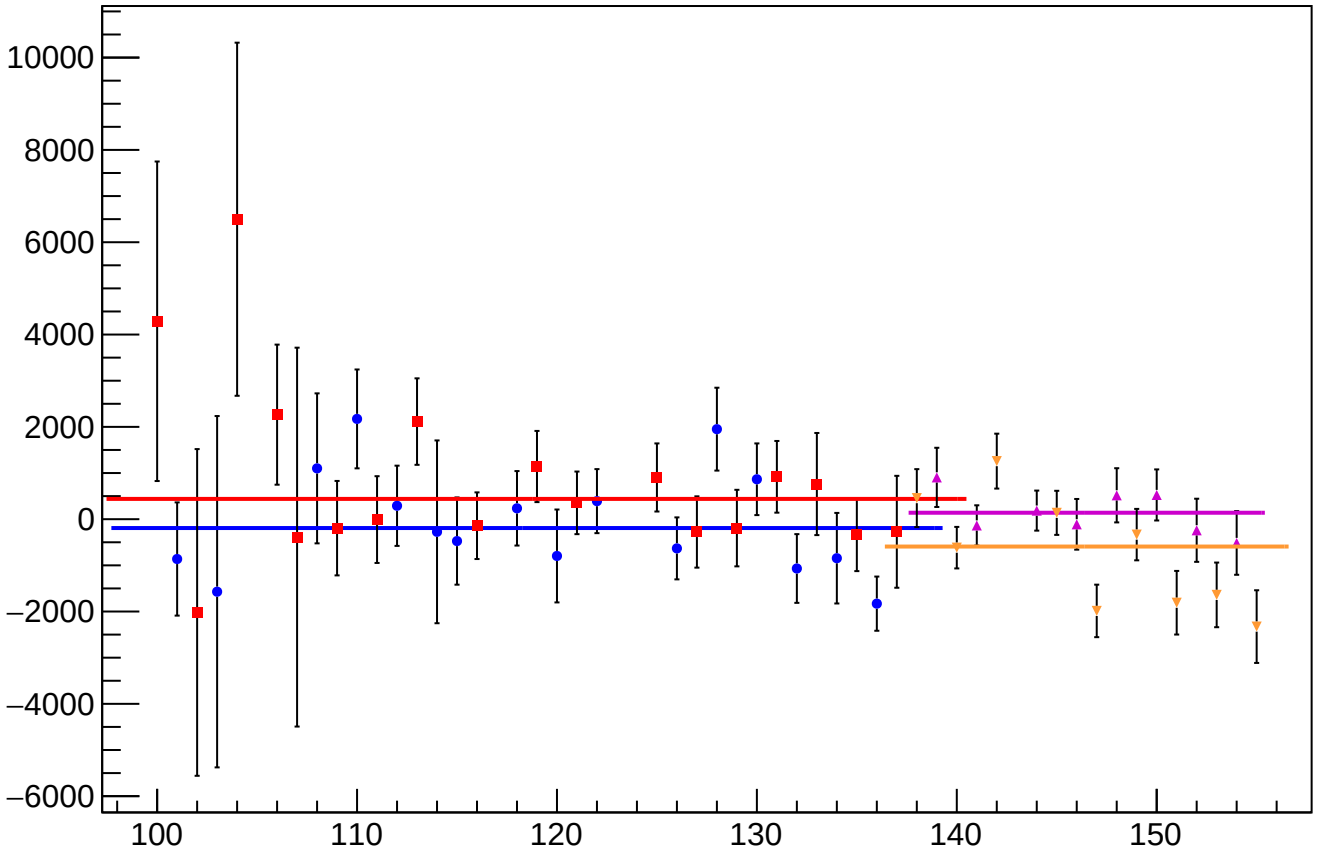
Left: 1132.911+/-0.214 χ^2/NDF: 2085.7/16

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1178.358+/-0.222 χ^2/NDF:368034.9/23

Out: 1199.021+/-0.227 χ^2/NDF:650127.5/26

All: 1188.483+/-0.159 χ^2/NDF: 1022405.2/50



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -592.490+/-193.286 χ^2/NDF:31.2/8

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 139.891+/-193.420 χ^2/NDF:4.2/7

Left: -226.553+/-136.721 χ^2/NDF: 42.6/16

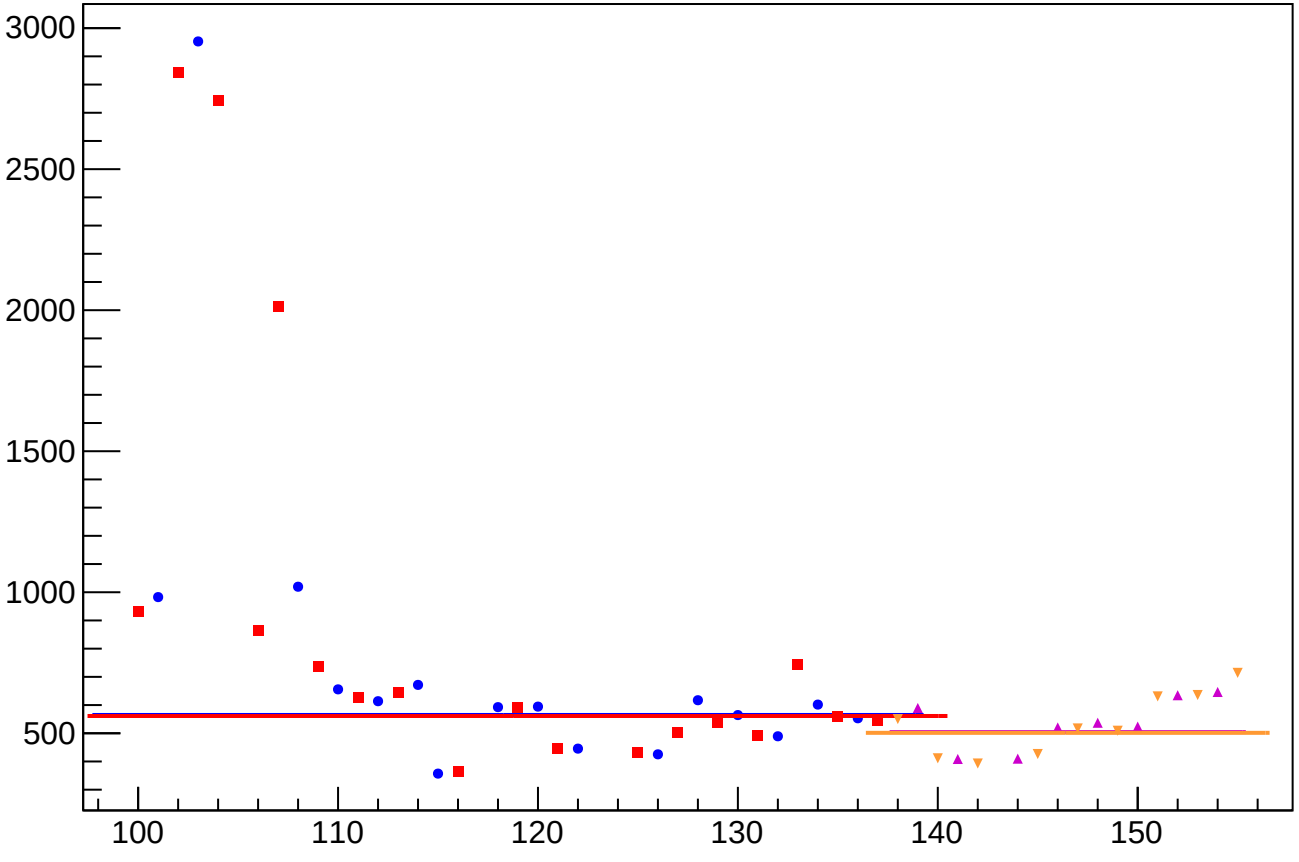
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -2.566+/-146.049 χ^2/NDF:30.7/23

Out: -157.817+/-147.055 χ^2/NDF:57.9/26

All: -79.659+/-103.626 χ^2/NDF: 89.2/50

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 501.584+/-0.137 χ^2/NDF:500387.3/8

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 504.183+/-0.137 χ^2/NDF:393914.5/7

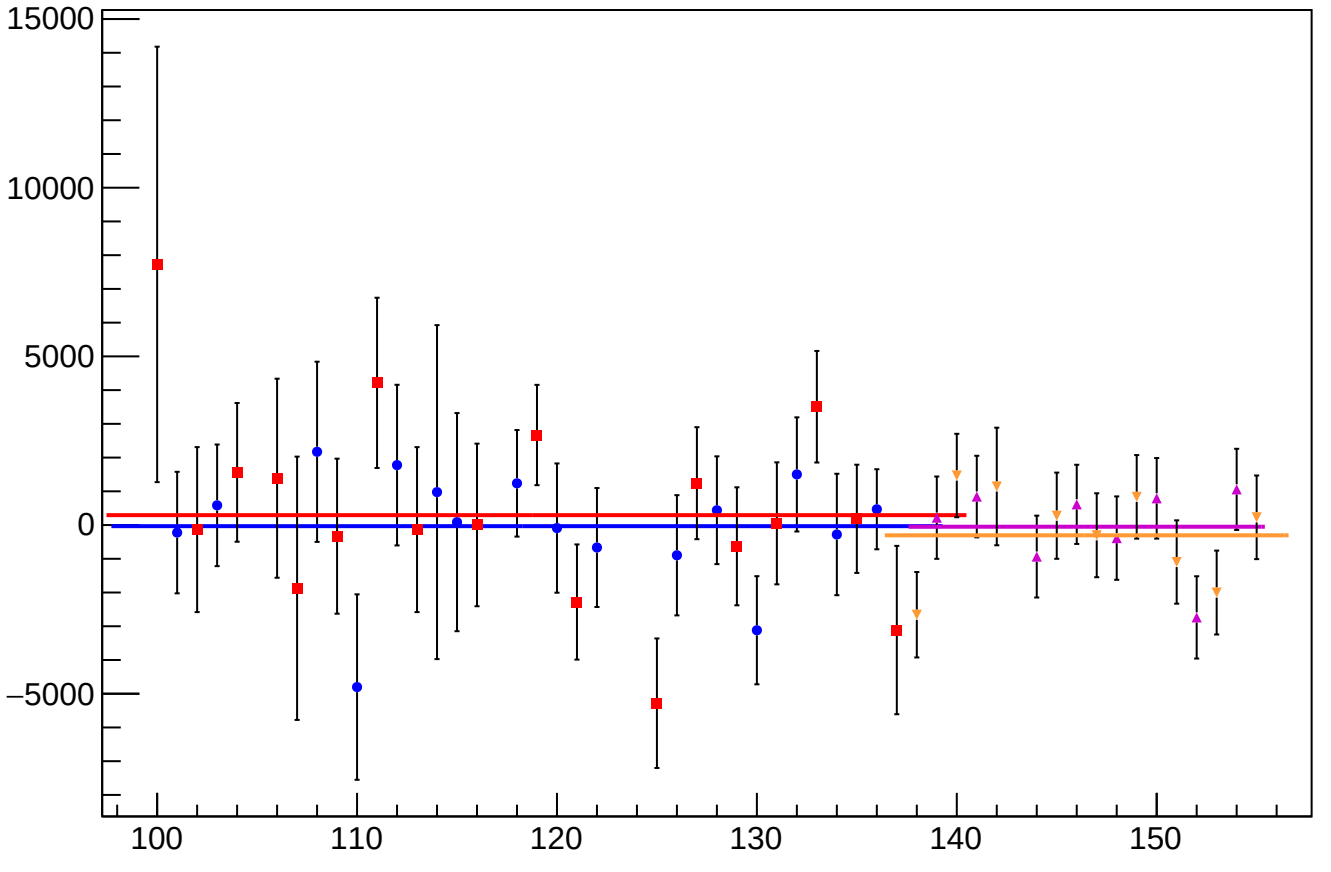
Left: 502.883+/-0.097 χ^2/NDF: 894482.5/16

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 530.269+/-0.103 χ^2/NDF:1958922.2/23

Out: 526.722+/-0.104 χ^2/NDF:2854087.3/26

All: 528.508+/-0.073 χ^2/NDF: 4813595.4/50



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -304.184+/-427.547 χ^2/NDF:9.7/8

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -49.627+/-427.189 χ^2/NDF:7.7/7

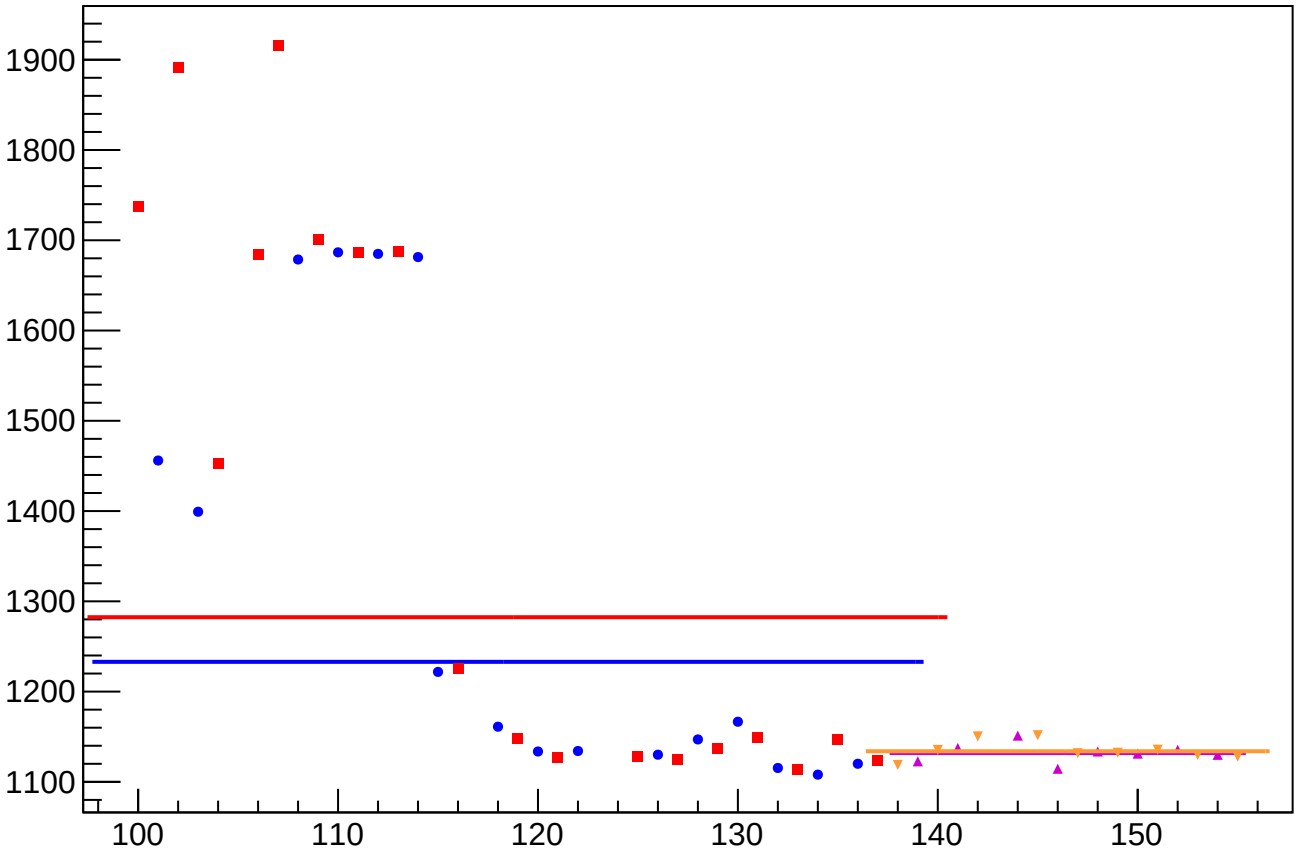
Left: -176.799+/-302.195 χ^2/NDF: 17.6/16

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -42.013+/-314.033 χ^2/NDF:18.0/23

Out: -42.167+/-320.383 χ^2/NDF:34.8/26

All: -42.089+/-224.267 χ^2/NDF: 52.8/50



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1133.909+/-0.302 χ^2/NDF:933.6/8

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1131.915+/-0.302 χ^2/NDF:1130.3/7

Left: 1132.911+/-0.214 χ^2/NDF: 2085.7/16

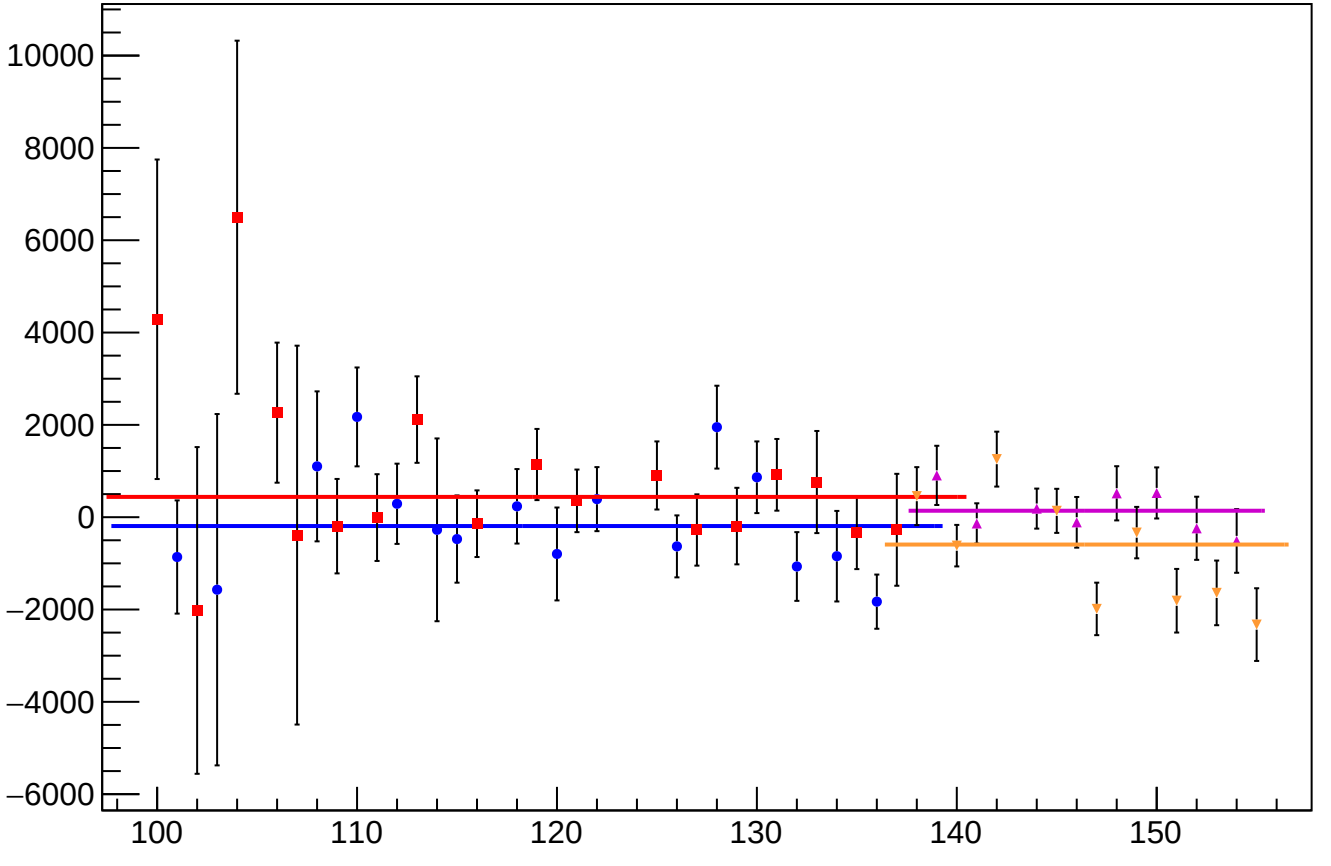
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1178.358+/-0.222 χ^2/NDF:368034.4/23

Out: 1199.021+/-0.227 χ^2/NDF:650126.8/26

All: 1188.483+/-0.159 χ^2/NDF: 1022404.0/50

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: -592.488+/-193.285 χ^2/NDF:31.2/8

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 139.891+/-193.420 χ^2/NDF:4.2/7

Left: -226.552+/-136.721 χ^2/NDF: 42.6/16

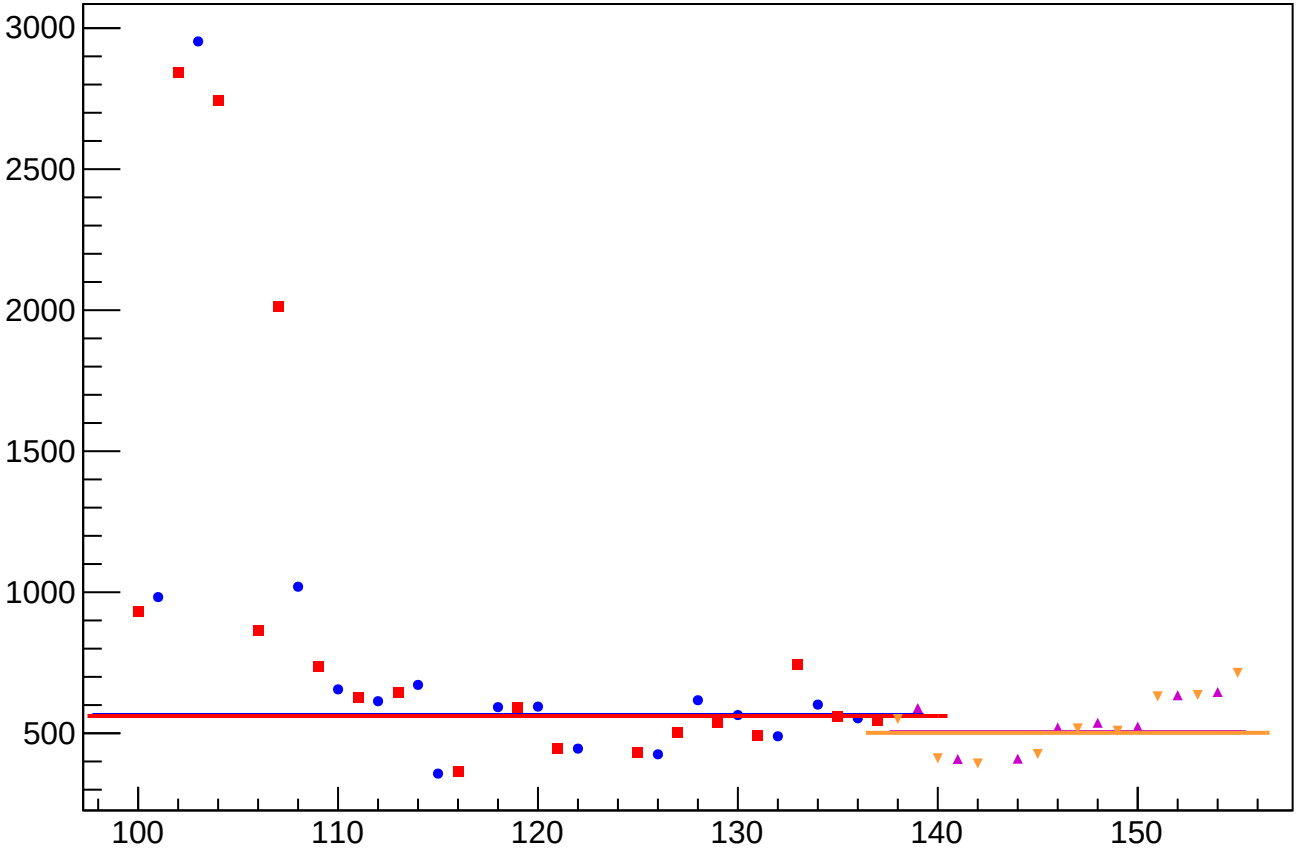
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: -2.566+/-146.049 χ^2/NDF:30.7/23

Out: -157.816+/-147.055 χ^2/NDF:57.9/26

All: -79.658+/-103.626 χ^2/NDF: 89.2/50

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: 501.583+/-0.137 χ^2/NDF:500404.2/8

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 504.183+/-0.137 χ^2/NDF:393926.0/7

Left: 502.882+/-0.097 χ^2/NDF: 894511.0/16

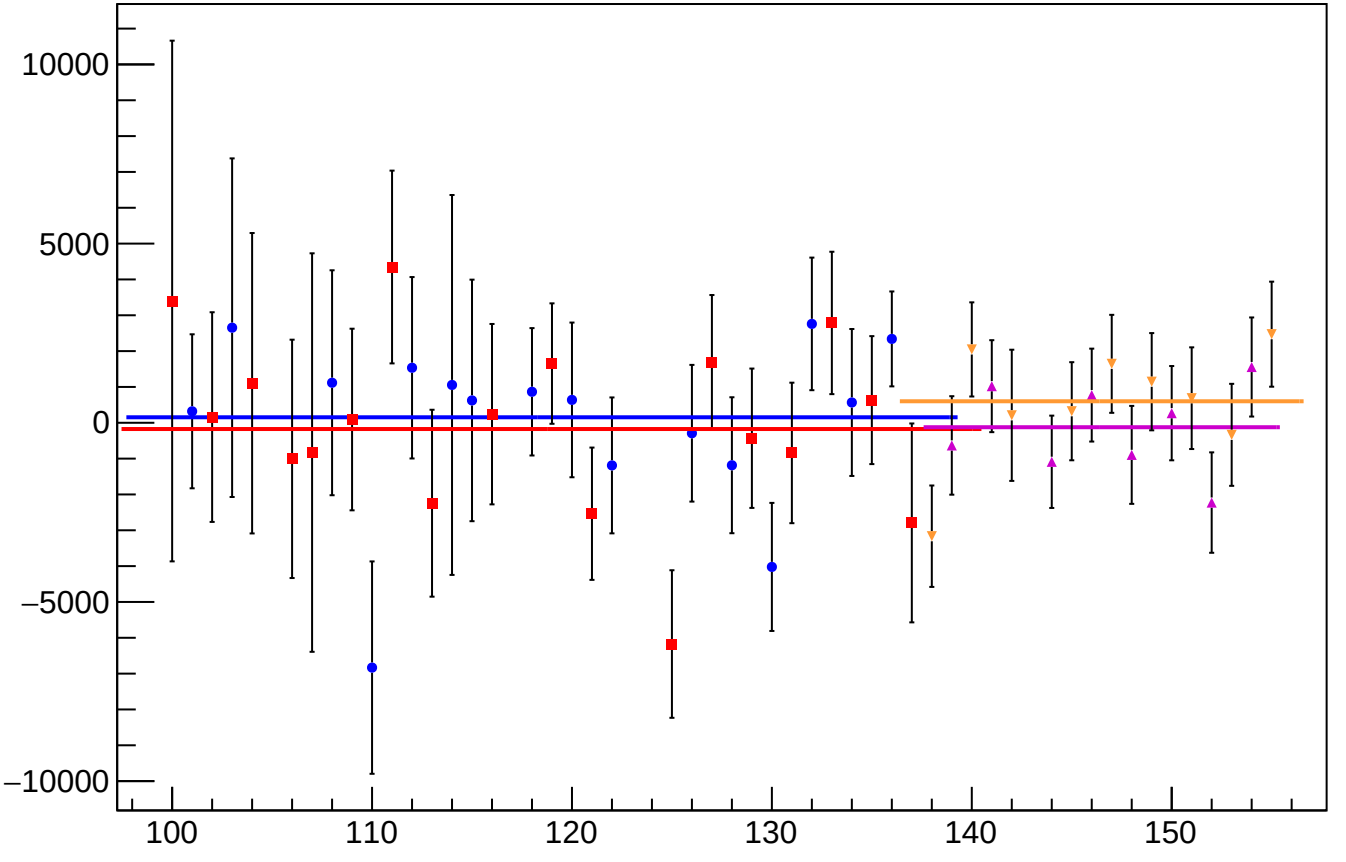
Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 530.269+/-0.103 χ^2/NDF:1958932.3/23

Out: 526.721+/-0.104 χ^2/NDF:2854106.9/26

All: 528.507+/-0.073 χ^2/NDF: 4813625.2/50

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 600.129+/-474.303 χ^2/NDF:11.2/8

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -123.921+/-472.453 χ^2/NDF:6.1/7

Left: 236.689+/-334.727 χ^2/NDF: 18.5/16

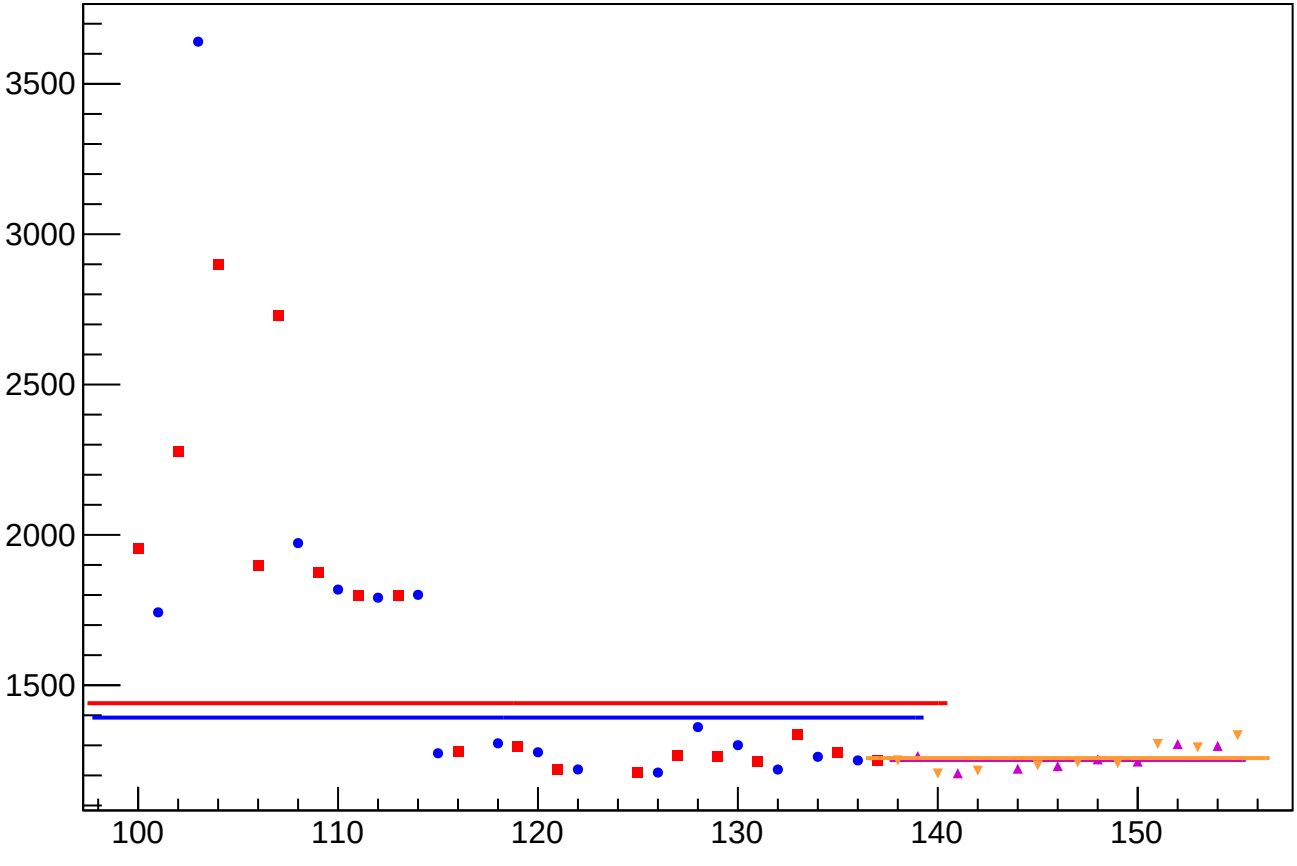
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -1.679+/-353.288 χ^2/NDF:24.0/23

Out: 269.931+/-359.231 χ^2/NDF:32.0/26

All: 131.861+/-251.887 χ^2/NDF: 56.3/50

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1257.697+/-0.335 χ^2/NDF:14061.3/8

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1251.405+/-0.334 χ^2/NDF:9226.5/7

Left: 1254.539+/-0.237 χ^2/NDF: 23464.4/16

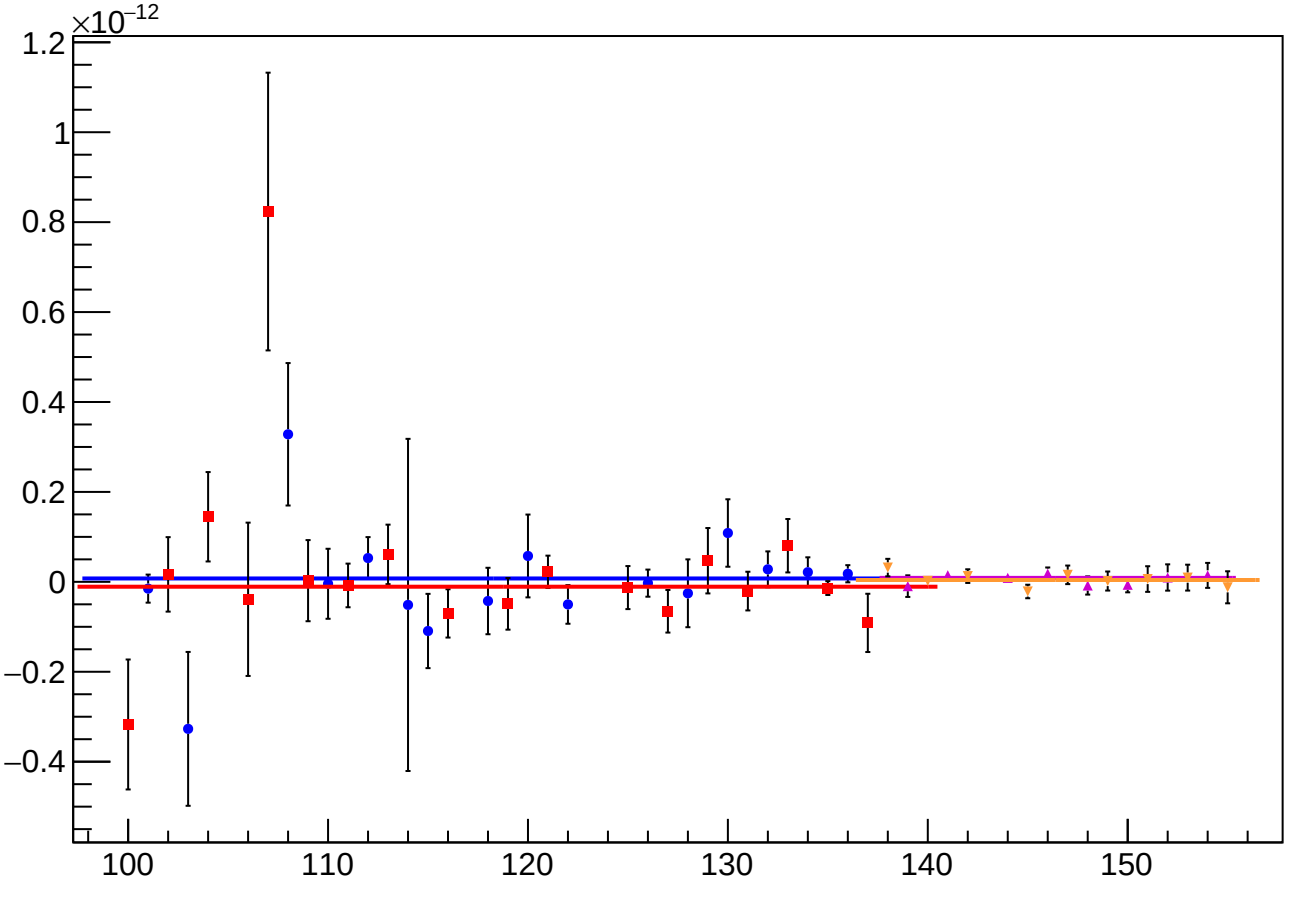
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1313.516+/-0.250 χ^2/NDF:866877.5/23

Out: 1335.519+/-0.254 χ^2/NDF:995230.2/26

All: 1324.334+/-0.178 χ^2/NDF: 1865921.9/50

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.8/8

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:3.0/7

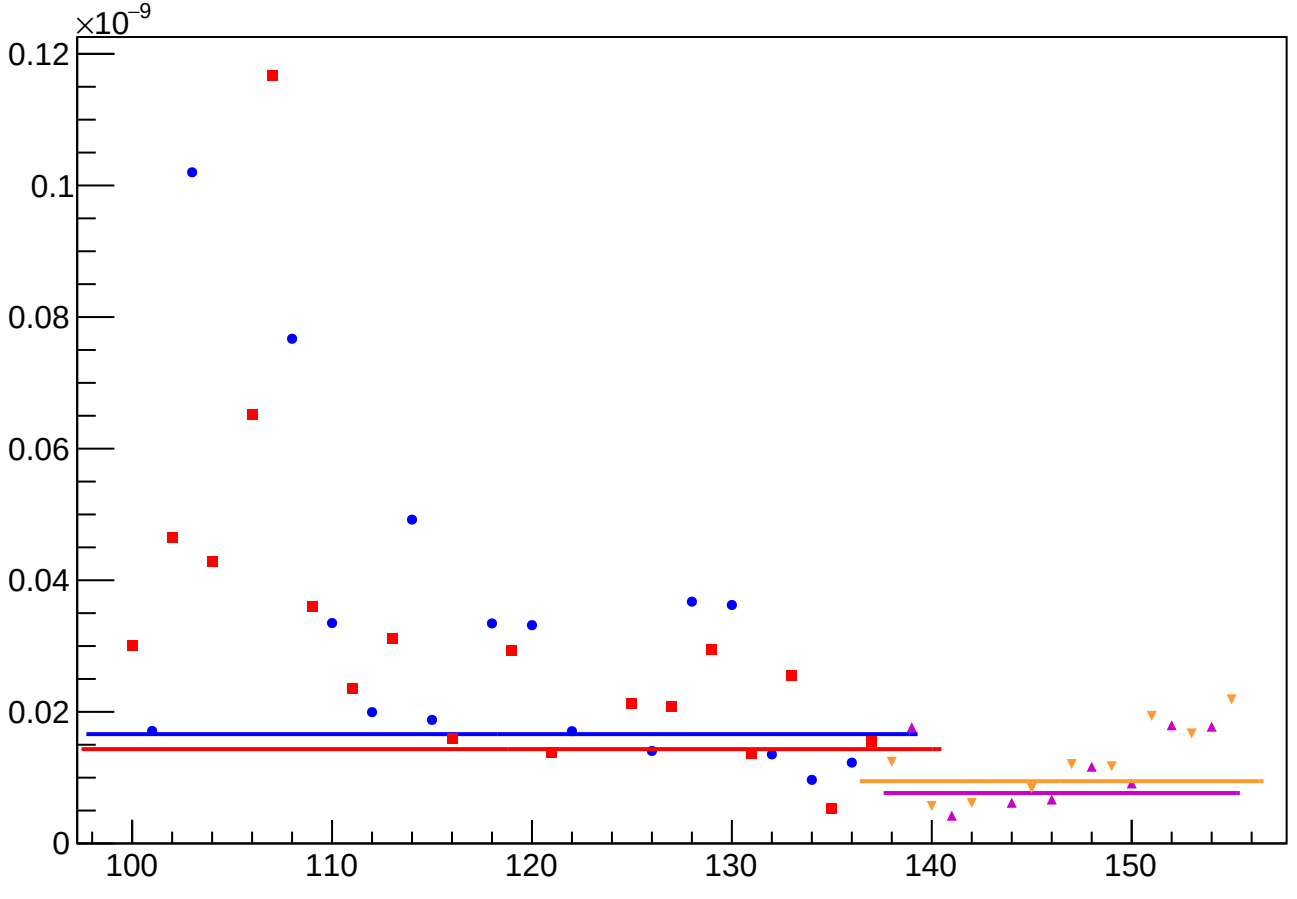
Left: 0.000+/-0.000 χ^2/NDF: 9.2/16

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:19.9/23

Out: 0.000+/-0.000 χ^2/NDF:31.4/26

All: 0.000+/-0.000 χ^2/NDF: 52.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1048079.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1270120.1/7

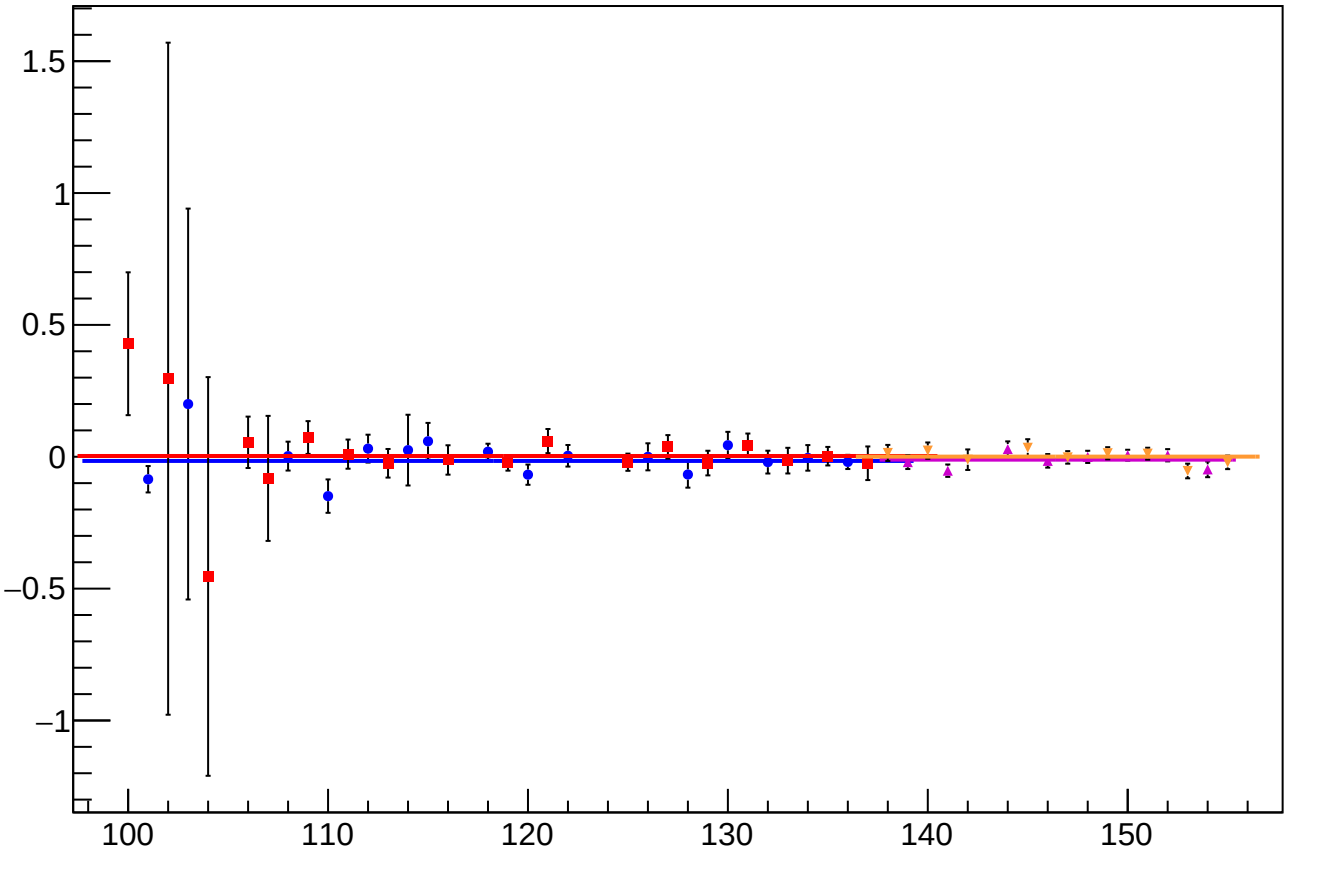
Left: 0.000+/-0.000 χ^2/NDF: 2418251.0/16

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:3938837.0/23

Out: 0.000+/-0.000 χ^2/NDF:3625212.2/26

All: 0.000+/-0.000 χ^2/NDF: 7628654.2/50



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.001+/-0.009 χ^2/NDF:7.0/8

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.011+/-0.009 χ^2/NDF:8.2/7

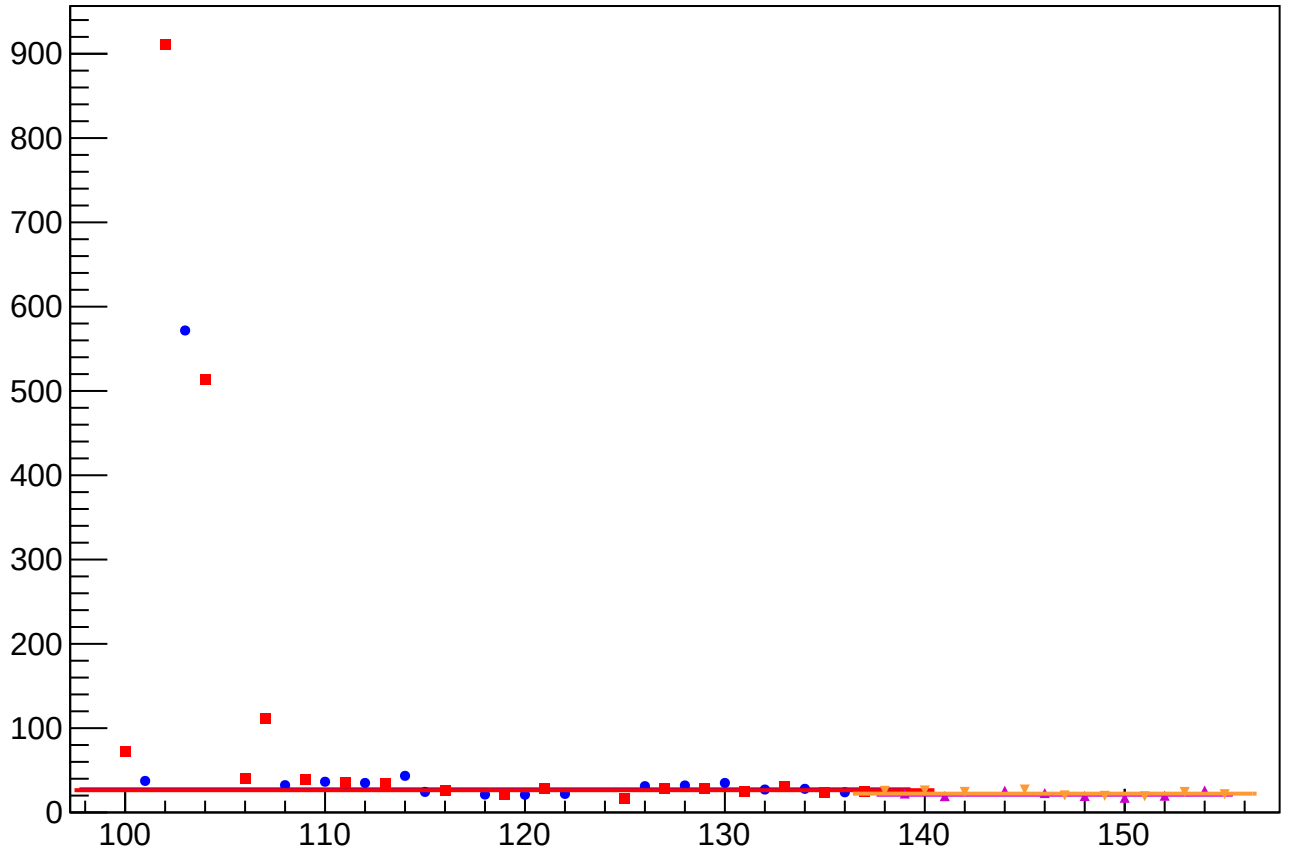
Left: -0.005+/-0.006 χ^2/NDF: 16.0/16

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.013+/-0.007 χ^2/NDF:22.9/23

Out: 0.001+/-0.007 χ^2/NDF:16.9/26

All: -0.006+/-0.005 χ^2/NDF: 41.8/50



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.309+/-0.006 χ^2/NDF:194239.5/8

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.054+/-0.006 χ^2/NDF:214519.9/7

Left: 21.656+/-0.004 χ^2/NDF: 428631.0/16

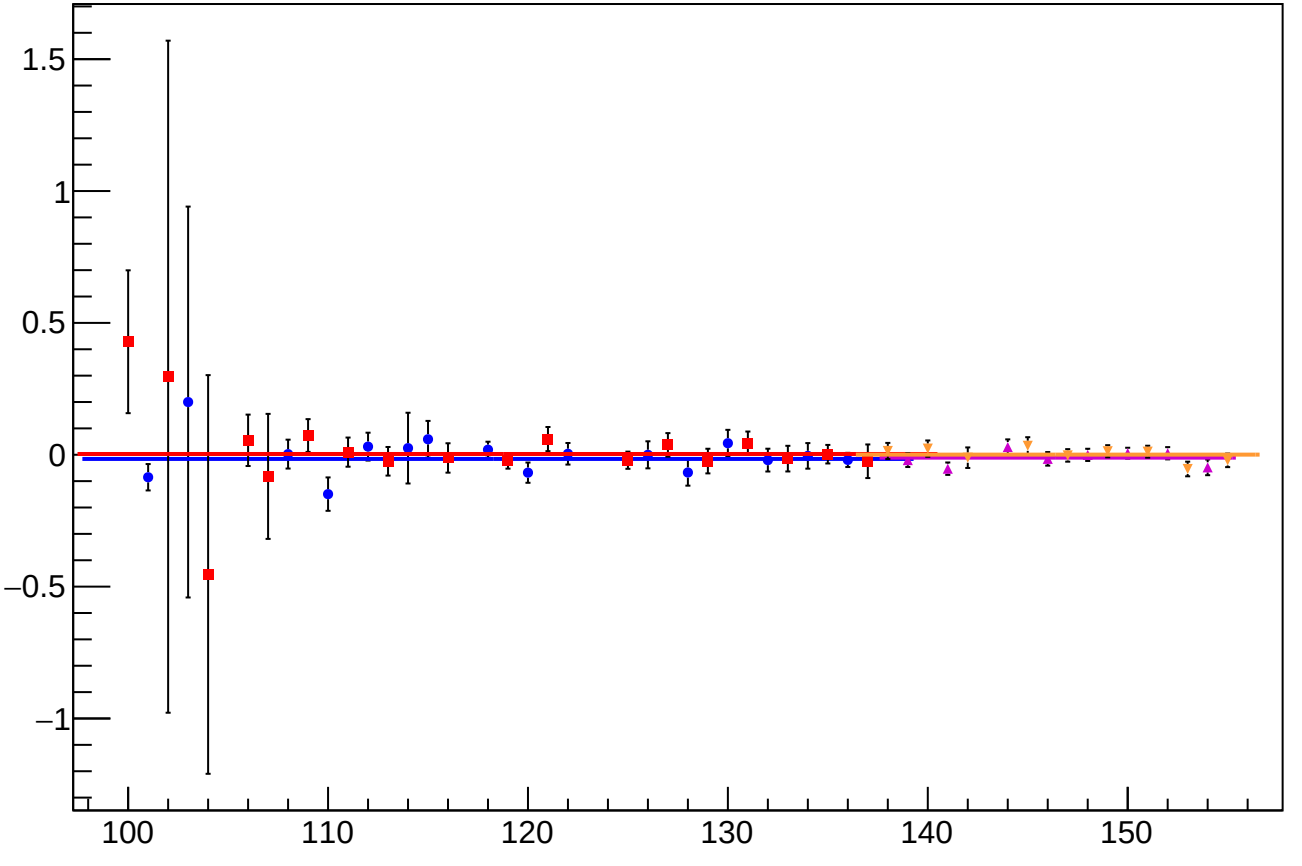
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 23.321+/-0.005 χ^2/NDF:2155616.3/23

Out: 23.795+/-0.005 χ^2/NDF:2956416.6/26

All: 23.549+/-0.004 χ^2/NDF: 5116480.4/50

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: 0.001+/-0.009 χ^2/NDF:7.0/8

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.011+/-0.009 χ^2/NDF:8.2/7

Left: -0.005+/-0.006 χ^2/NDF: 16.0/16

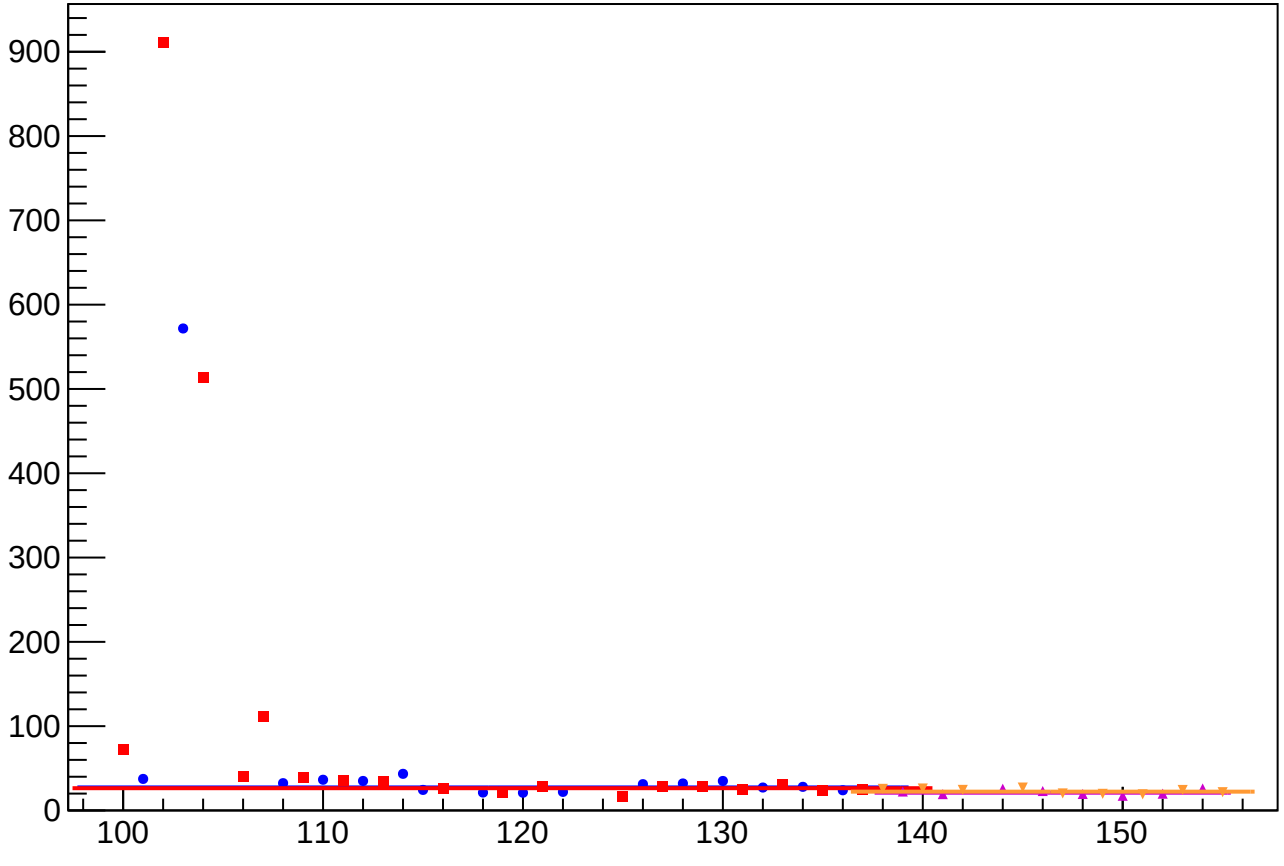
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.013+/-0.007 χ^2/NDF:22.9/23

Out: 0.001+/-0.007 χ^2/NDF:16.9/26

All: -0.006+/-0.005 χ^2/NDF: 41.8/50

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: 22.309+/-0.006 χ^2/NDF:194239.5/8

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 21.054+/-0.006 χ^2/NDF:214519.9/7

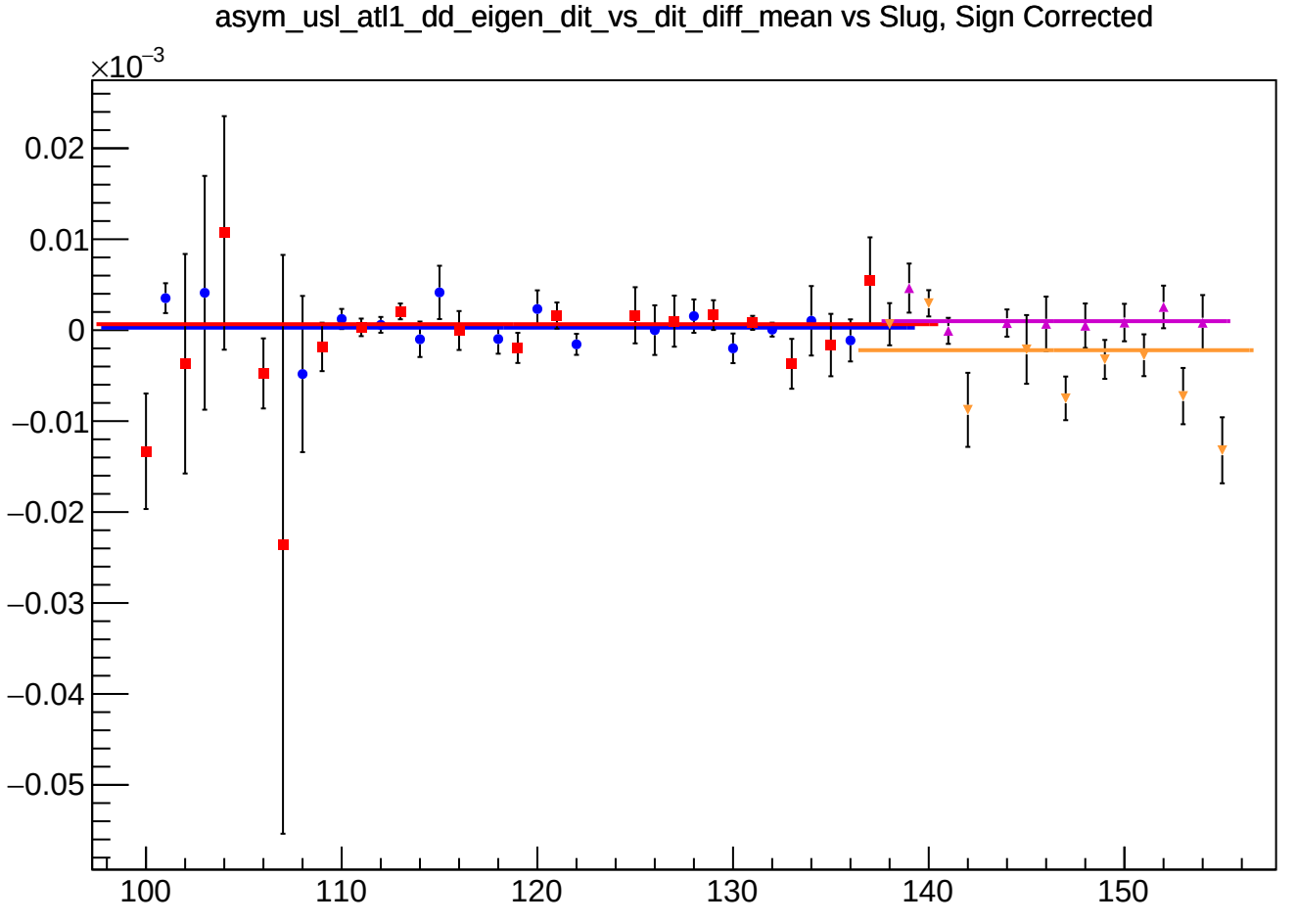
Left: 21.656+/-0.004 χ^2/NDF: 428631.0/16

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 23.321+/-0.005 χ^2/NDF:2155616.3/23

Out: 23.795+/-0.005 χ^2/NDF:2956416.6/26

All: 23.549+/-0.004 χ^2/NDF: 5116480.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2.9/7

Left: -0.000+/-0.000 χ^2/NDF: 45.4/16

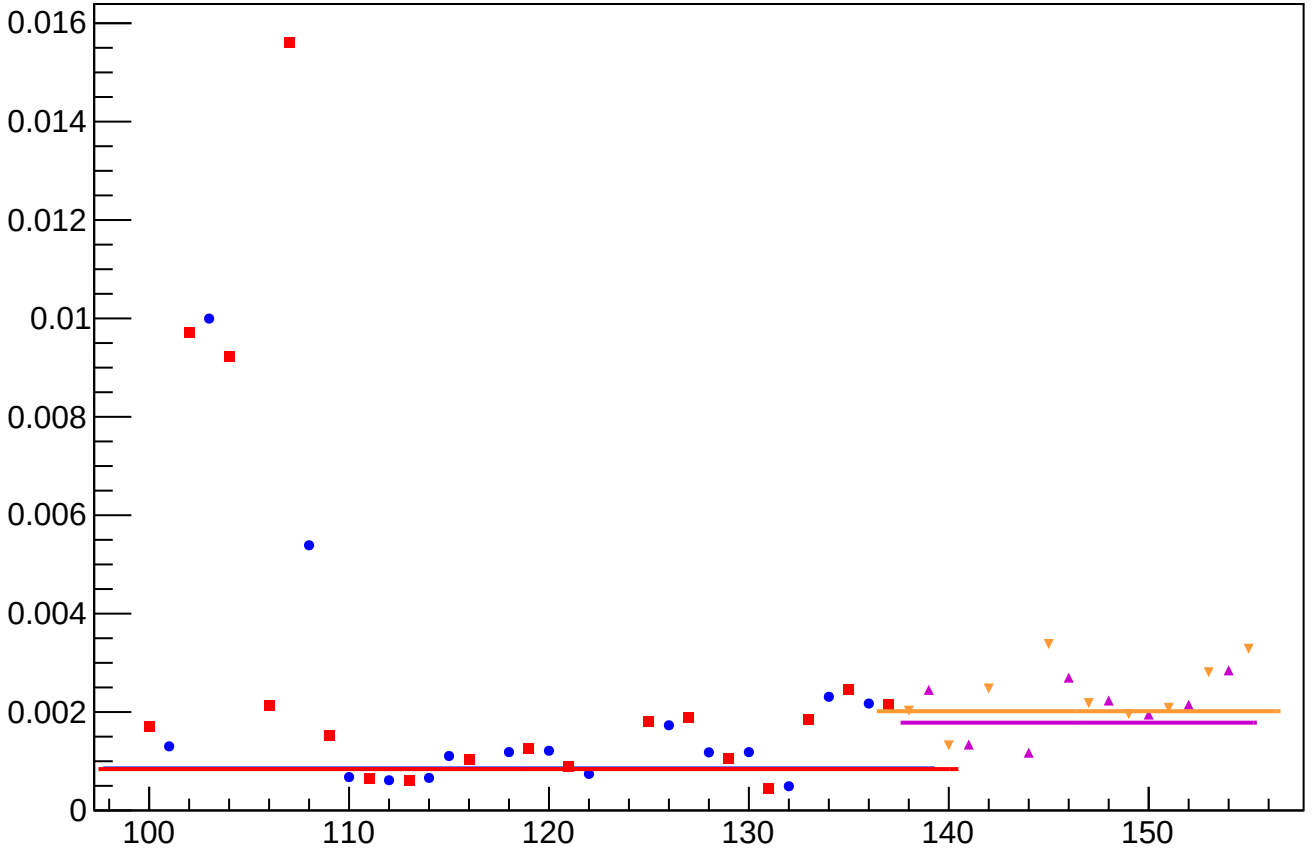
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:18.1/23

Out: 0.000+/-0.000 χ^2/NDF:63.3/26

All: 0.000+/-0.000 χ^2/NDF: 81.9/50

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:1136736.9/8

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1207090.1/7

Left: 0.002+/-0.000 χ^2/NDF: 2436109.1/16

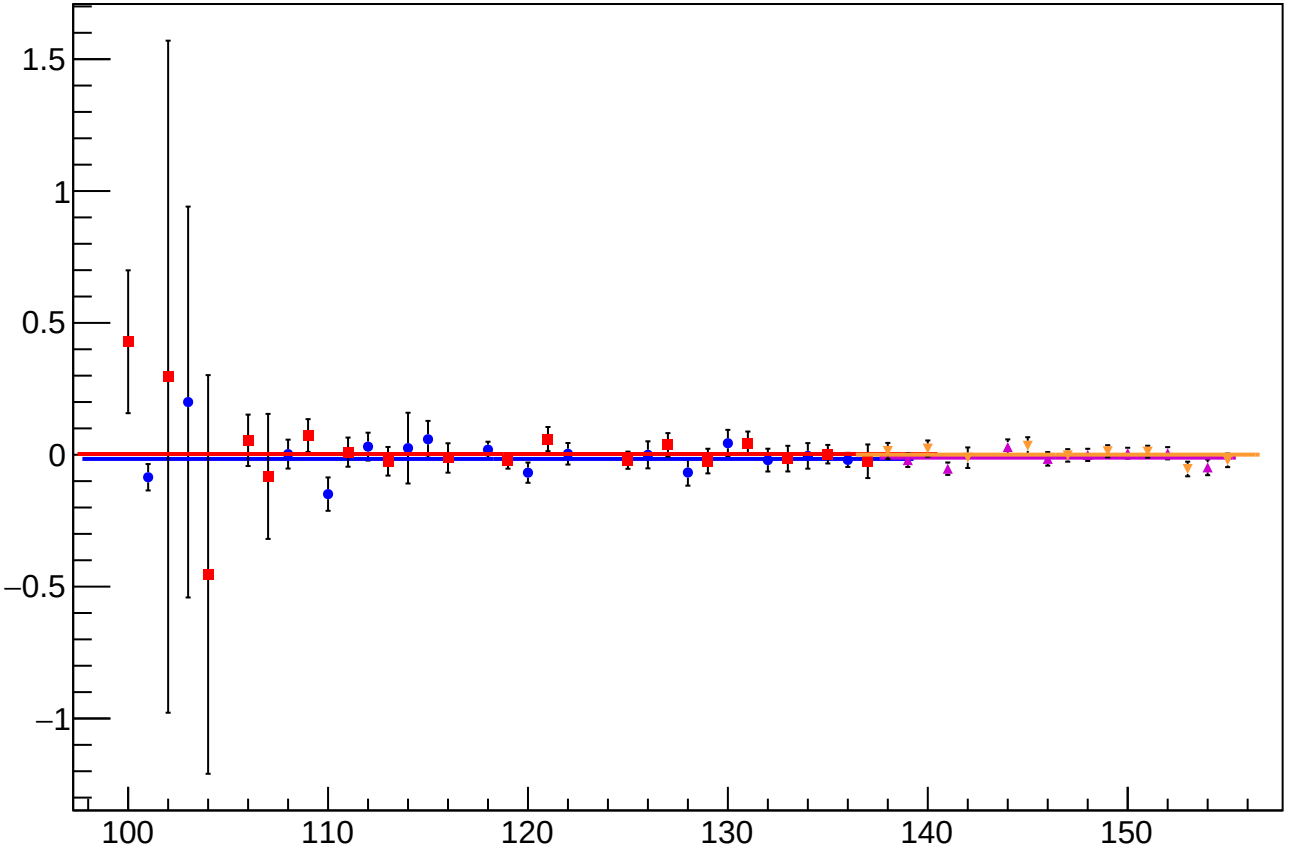
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:7641613.8/23

Out: 0.001+/-0.000 χ^2/NDF:9628358.2/26

All: 0.001+/-0.000 χ^2/NDF: 17275356.6/50

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: 0.001+/-0.009 χ^2/NDF:7.0/8

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.011+/-0.009 χ^2/NDF:8.2/7

Left: -0.005+/-0.006 χ^2/NDF: 16.0/16

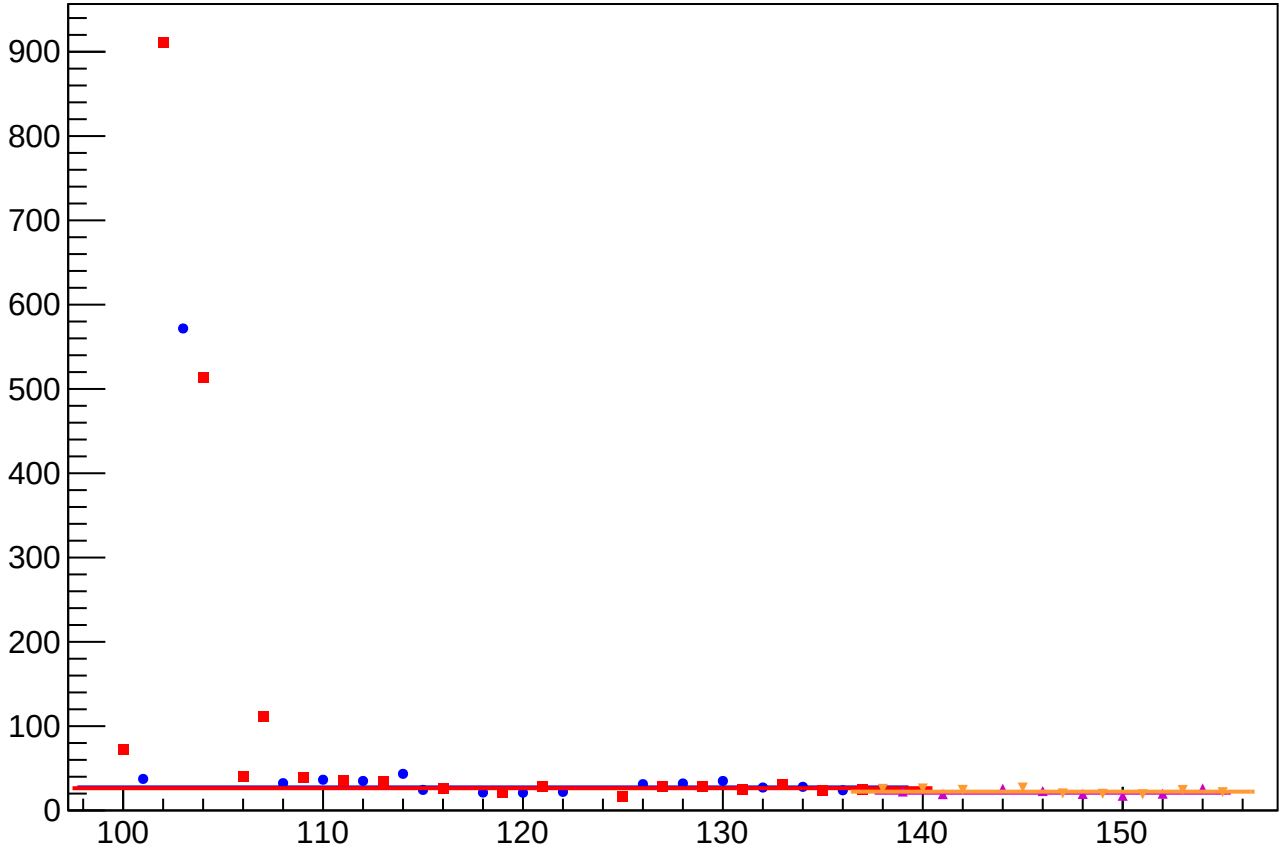
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.013+/-0.007 χ^2/NDF:22.9/23

Out: 0.001+/-0.007 χ^2/NDF:16.9/26

All: -0.006+/-0.005 χ^2/NDF: 41.7/50

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.309+/-0.006 χ^2/NDF:194224.3/8

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.054+/-0.006 χ^2/NDF:214514.9/7

Left: 21.656+/-0.004 χ^2/NDF: 428604.0/16

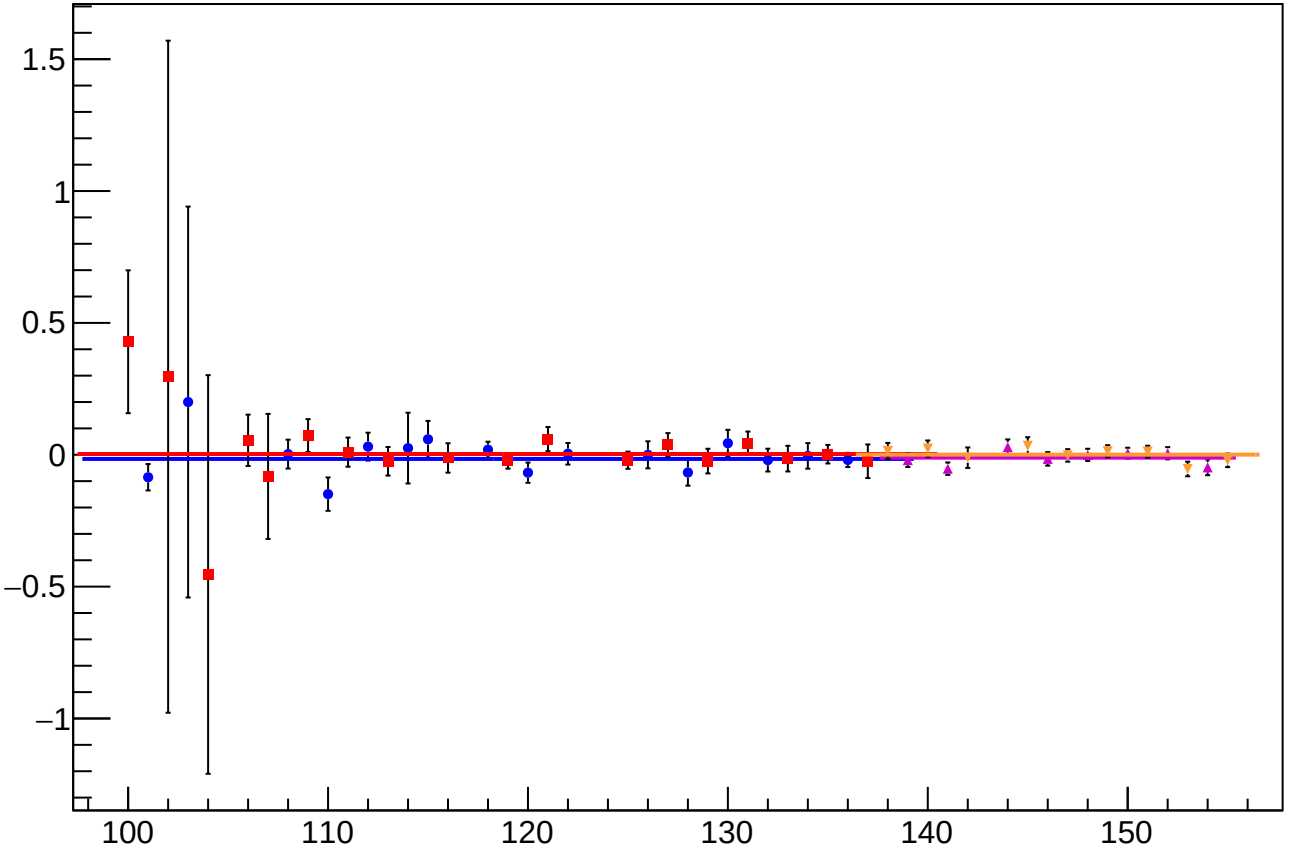
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 23.321+/-0.005 χ^2/NDF:2155587.0/23

Out: 23.795+/-0.005 χ^2/NDF:2956423.7/26

All: 23.549+/-0.004 χ^2/NDF: 5116455.4/50

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: 0.001+/-0.009 χ^2/NDF:7.0/8

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.011+/-0.009 χ^2/NDF:8.2/7

Left: -0.005+/-0.006 χ^2/NDF: 16.0/16

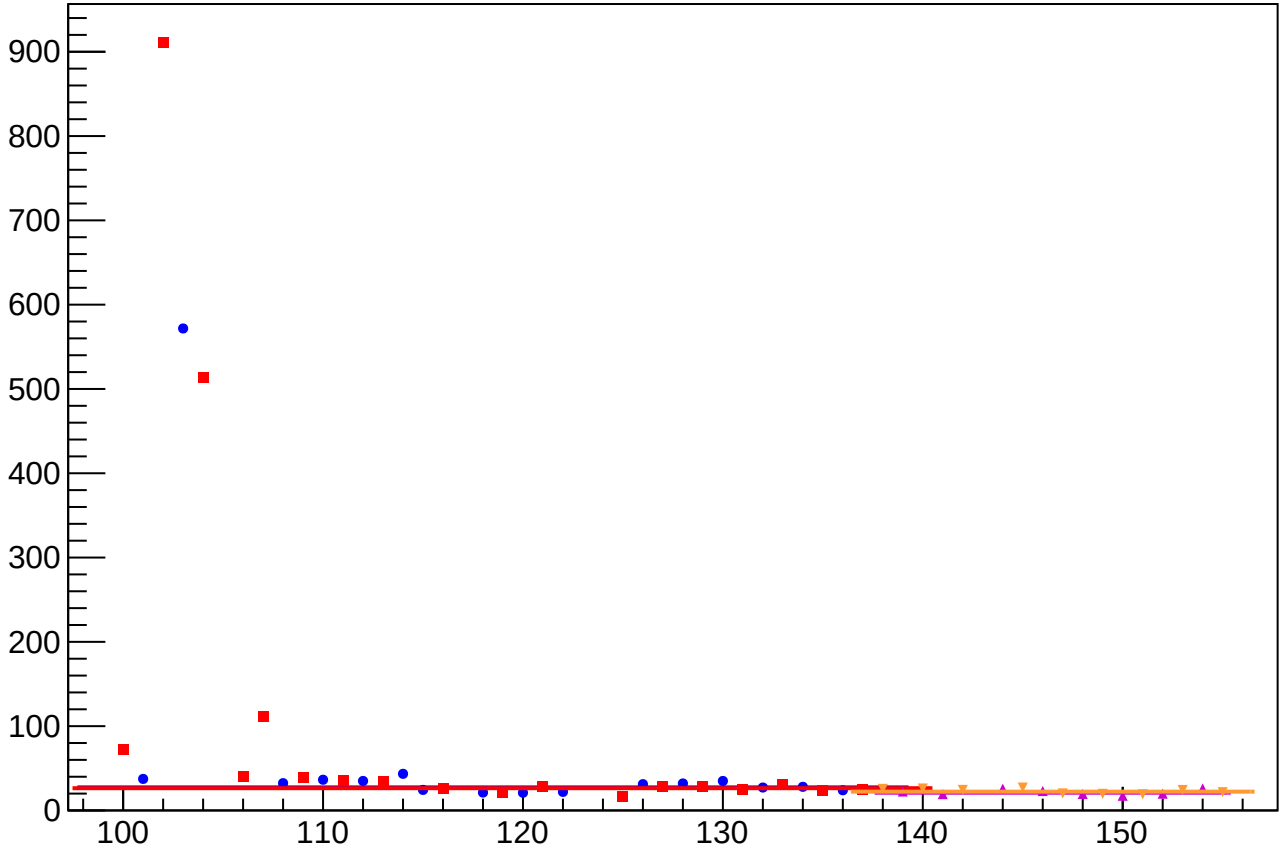
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.013+/-0.007 χ^2/NDF:22.9/23

Out: 0.001+/-0.007 χ^2/NDF:16.9/26

All: -0.006+/-0.005 χ^2/NDF: 41.7/50

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: 22.309+/-0.006 χ^2/NDF:194224.3/8

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 21.054+/-0.006 χ^2/NDF:214514.9/7

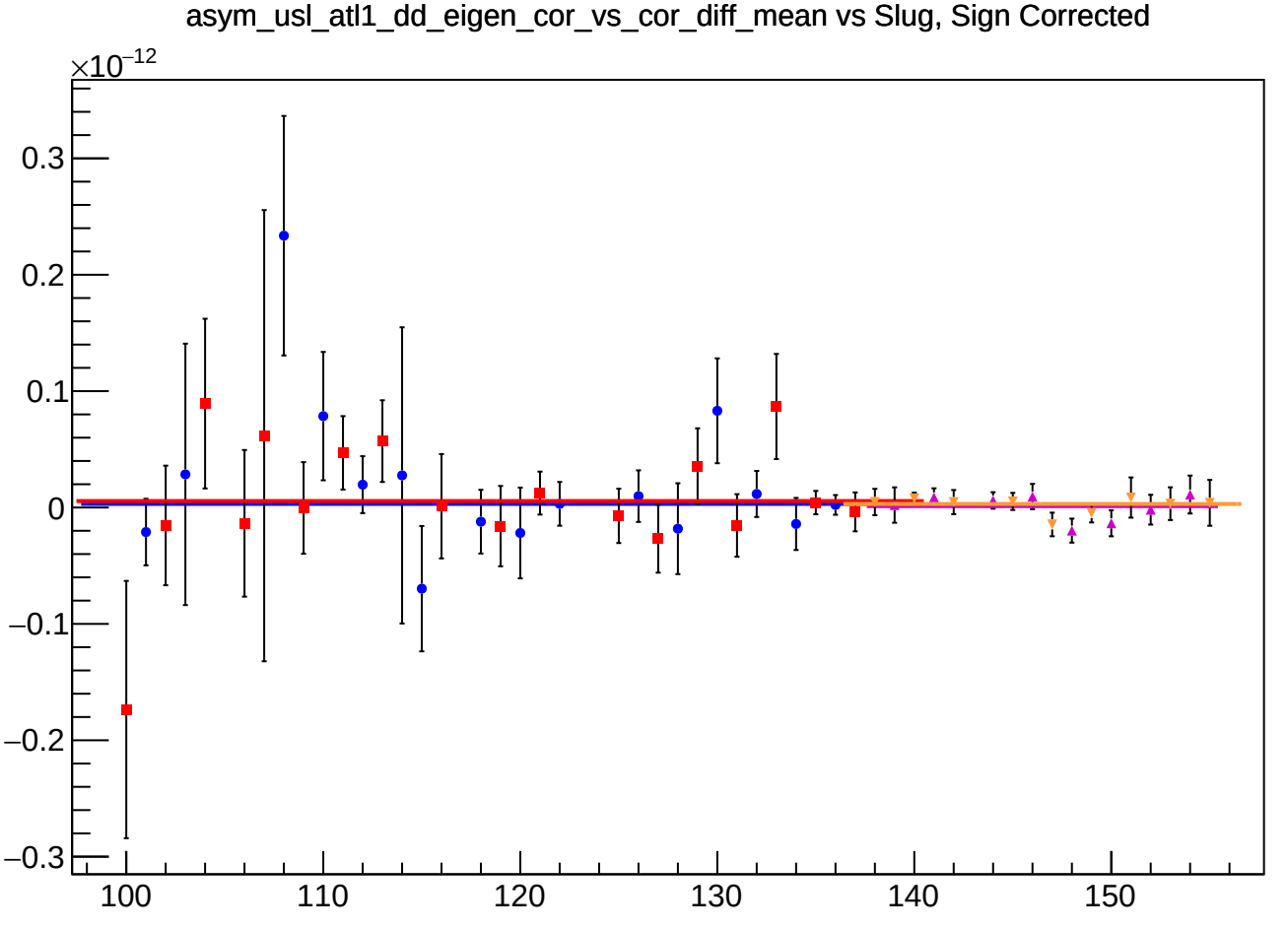
Left: 21.656+/-0.004 χ^2/NDF: 428604.0/16

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 23.321+/-0.005 χ^2/NDF:2155587.0/23

Out: 23.795+/-0.005 χ^2/NDF:2956423.7/26

All: 23.549+/-0.004 χ^2/NDF: 5116455.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:8.3/7

Left: 0.000+/-0.000 χ^2/NDF: 13.6/16

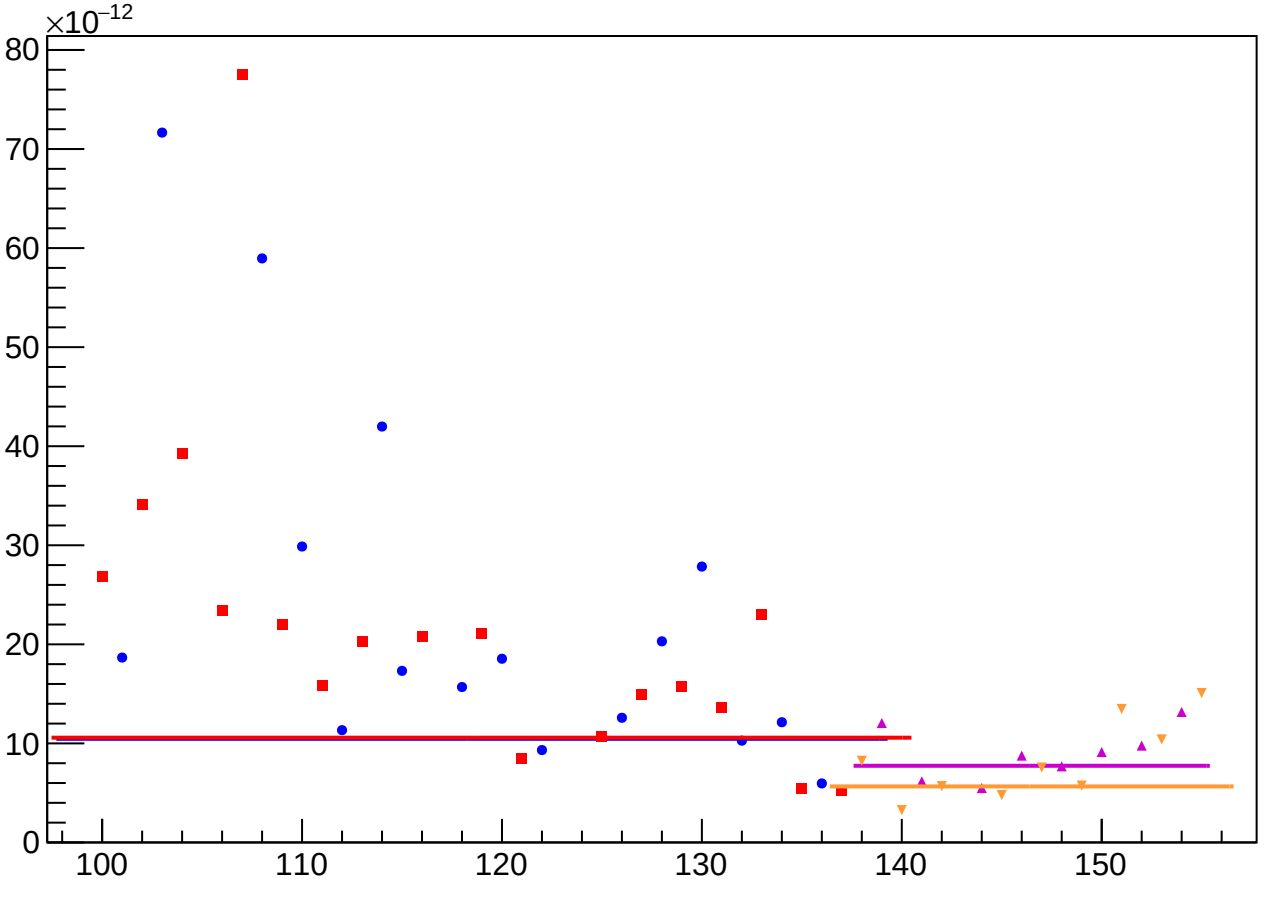
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:23.4/23

Out: 0.000+/-0.000 χ^2/NDF:20.5/26

All: 0.000+/-0.000 χ^2/NDF: 44.2/50

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:1772713.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:766396.3/7

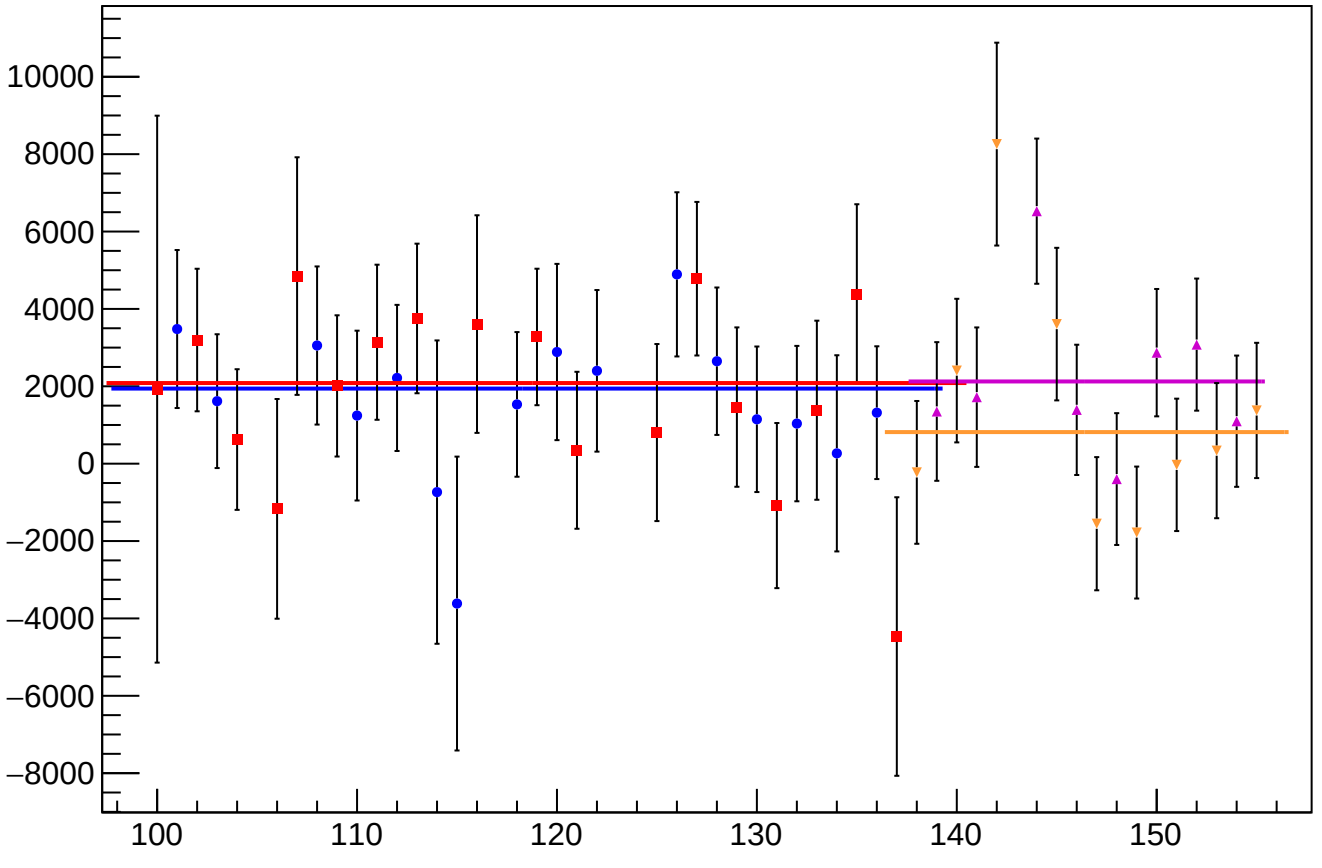
Left: 0.000+/-0.000 χ^2/NDF: 2935709.0/16

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:3883777.4/23

Out: 0.000+/-0.000 χ^2/NDF:5599202.5/26

All: 0.000+/-0.000 χ^2/NDF: 9924208.8/50



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 816.494+/-612.598 χ^2/NDF:15.8/8

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2124.928+/-613.100 χ^2/NDF:9.0/7

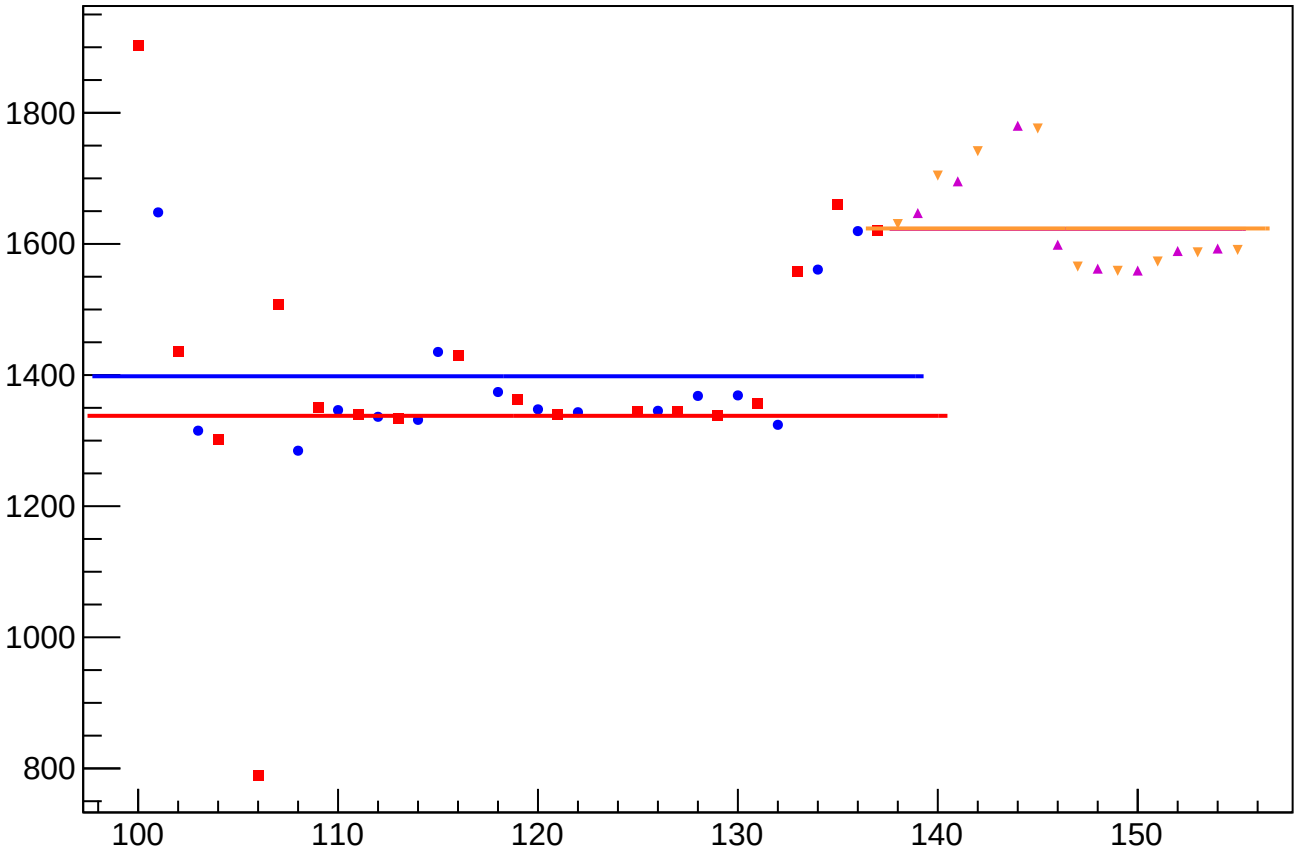
Left: 1470.175+/-433.349 χ^2/NDF: 27.0/16

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2018.313+/-397.532 χ^2/NDF:16.0/23

Out: 1553.653+/-396.250 χ^2/NDF:32.7/26

All: 1785.232+/-280.643 χ^2/NDF: 49.4/50



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1623.600+/-0.433 χ^2/NDF:28269.2/8

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1622.864+/-0.434 χ^2/NDF:24994.0/7

Left: 1623.232+/-0.306 χ^2/NDF: 53264.7/16

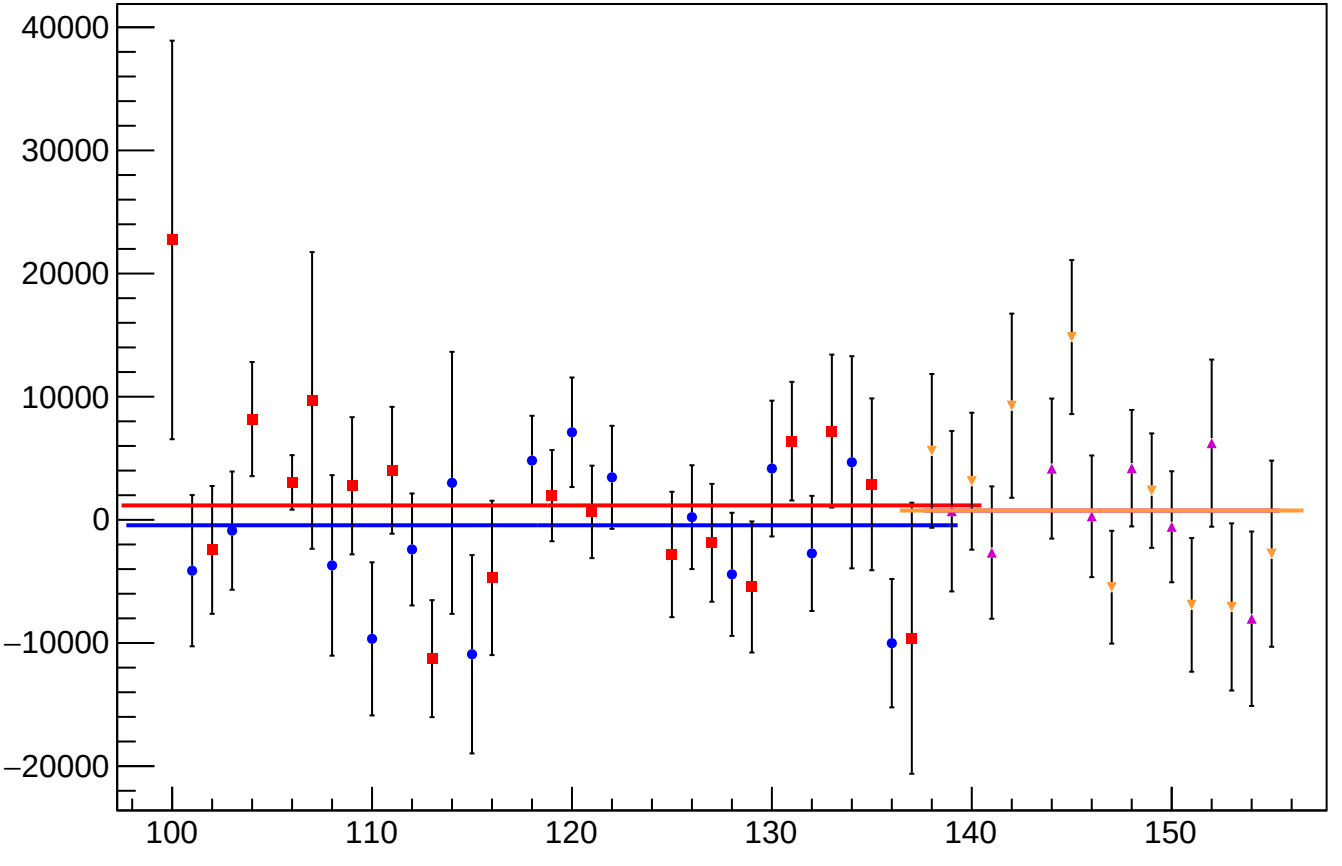
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1492.630+/-0.281 χ^2/NDF:274621.7/23

Out: 1452.992+/-0.275 χ^2/NDF:605875.5/26

All: 1472.376+/-0.197 χ^2/NDF: 890657.7/50

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: 757.087+/-1929.894 χ^2/NDF:12.7/8

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 752.947+/-1940.333 χ^2/NDF:3.6/7

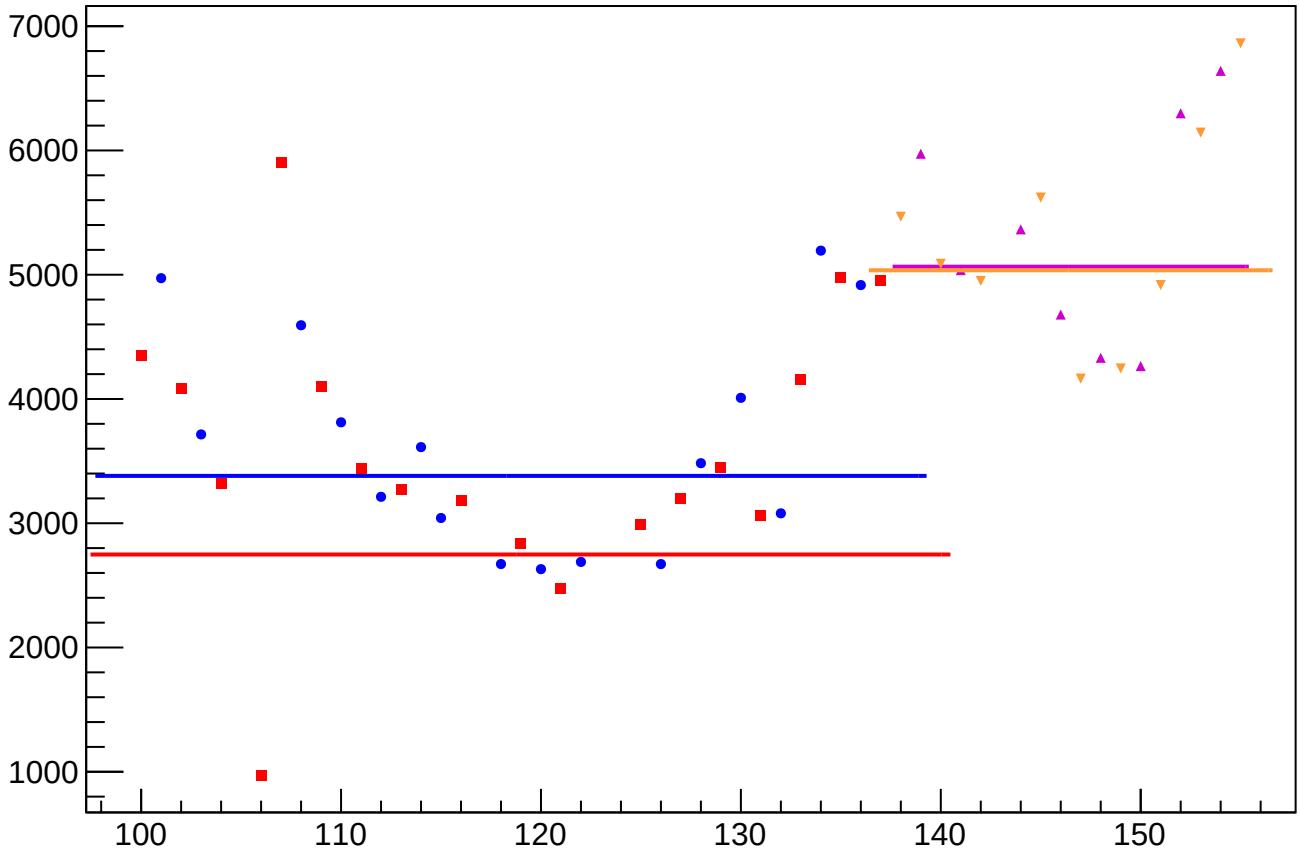
Left: 755.028+/-1368.317 χ^2/NDF: 16.2/16

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: -72.799+/-1077.662 χ^2/NDF:19.7/23

Out: 1067.143+/-968.619 χ^2/NDF:32.4/26

All: 557.745+/-720.393 χ^2/NDF: 52.7/50



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5035.702+/-1.365 χ^2/NDF:328690.0/8

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5064.966+/-1.372 χ^2/NDF:332944.2/7

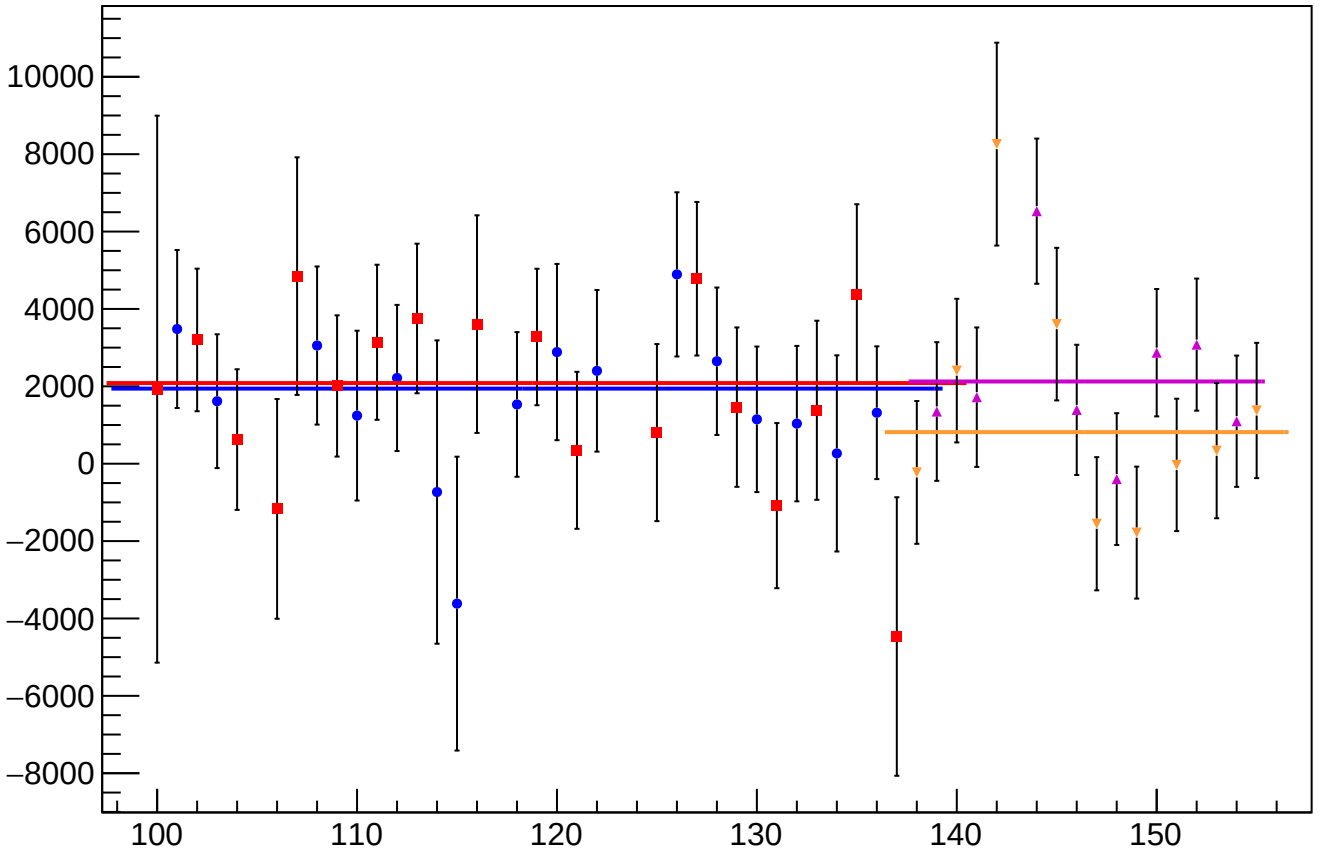
Left: 5050.255+/-0.968 χ^2/NDF: 661862.9/16

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 3900.533+/-0.762 χ^2/NDF:2131676.3/23

Out: 3324.565+/-0.685 χ^2/NDF:4694982.2/26

All: 3581.944+/-0.509 χ^2/NDF: 7142664.2/50



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 816.531+/-612.598 χ^2/NDF:15.8/8

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2125.107+/-613.100 χ^2/NDF:9.0/7

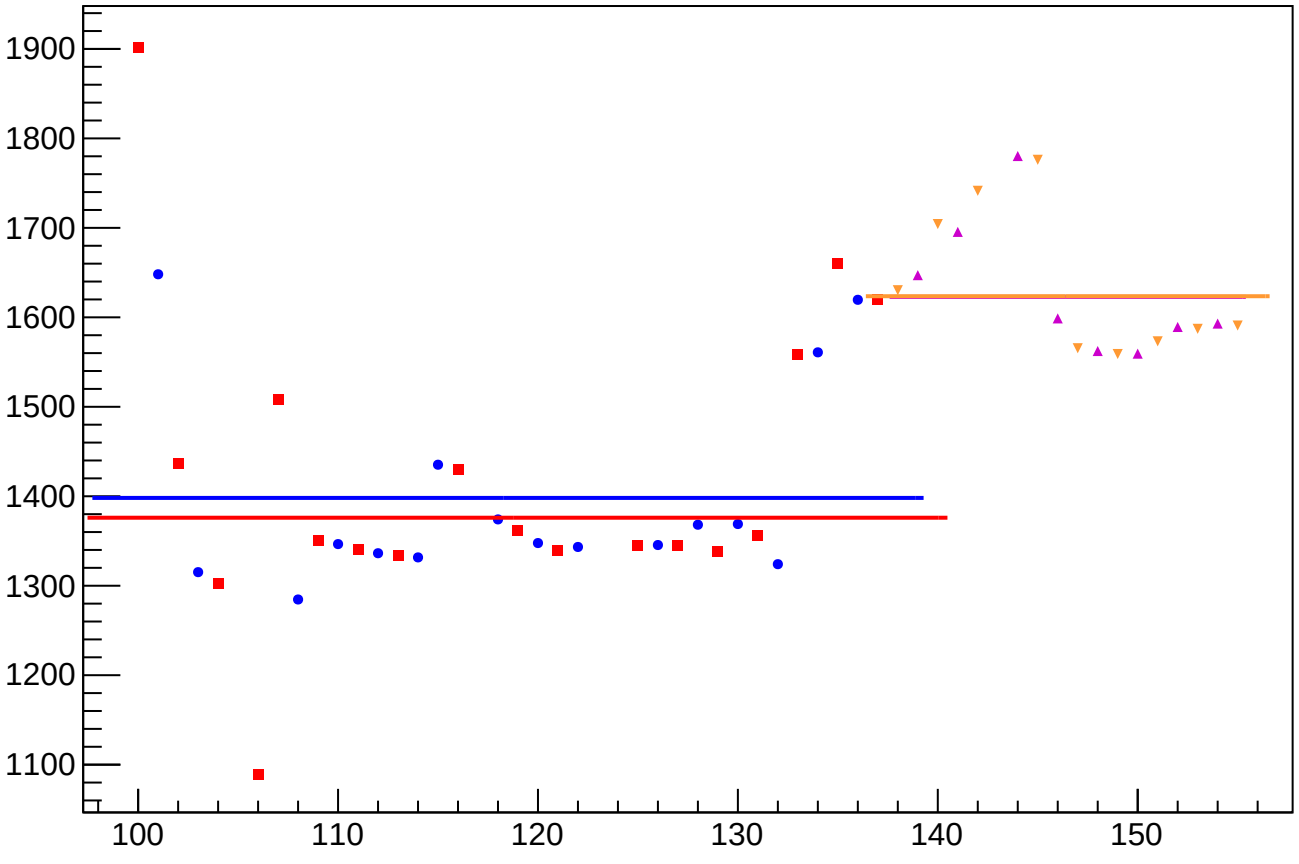
Left: 1470.283+/-433.349 χ^2/NDF: 27.0/16

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2018.420+/-397.532 χ^2/NDF:16.0/23

Out: 1553.789+/-396.251 χ^2/NDF:32.7/26

All: 1785.355+/-280.644 χ^2/NDF: 49.4/50



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1623.600+/-0.433 χ^2/NDF:28269.2/8

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1622.864+/-0.434 χ^2/NDF:24994.0/7

Left: 1623.232+/-0.306 χ^2/NDF: 53264.7/16

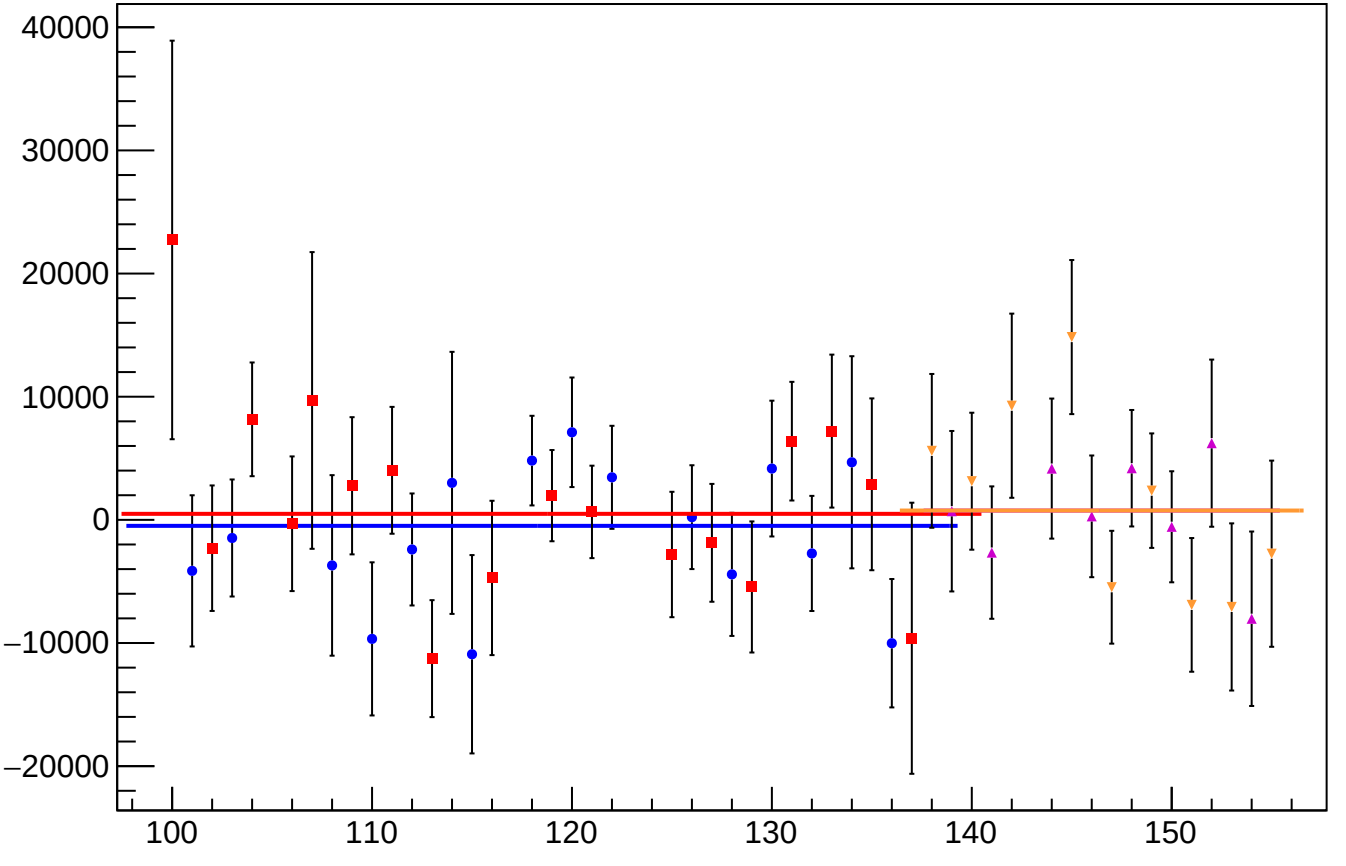
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1492.630+/-0.281 χ^2/NDF:274621.8/23

Out: 1477.999+/-0.278 χ^2/NDF:334415.5/26

All: 1485.234+/-0.198 χ^2/NDF: 610406.8/50

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: 757.078+/-1929.895 χ^2/NDF:12.7/8

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 753.076+/-1940.331 χ^2/NDF:3.6/7

Left: 755.088+/-1368.317 χ^2/NDF: 16.2/16

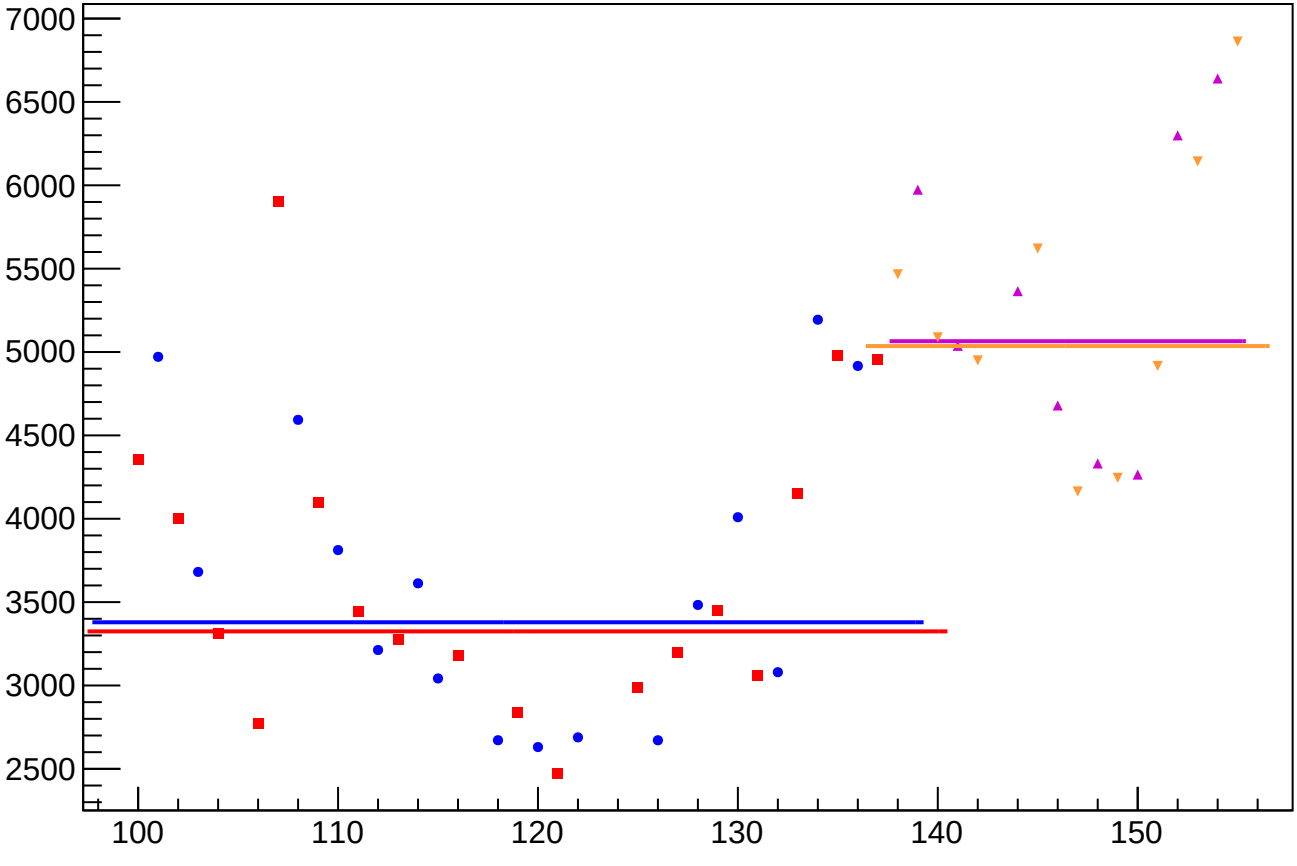
Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -104.574+/-1077.094 χ^2/NDF:19.8/23

Out: 568.952+/-1055.818 χ^2/NDF:31.4/26

All: 238.907+/-753.986 χ^2/NDF: 51.4/50

asym_usl_atl2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5035.705+/-1.365 χ^2/NDF:328690.3/8

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5064.961+/-1.372 χ^2/NDF:332946.8/7

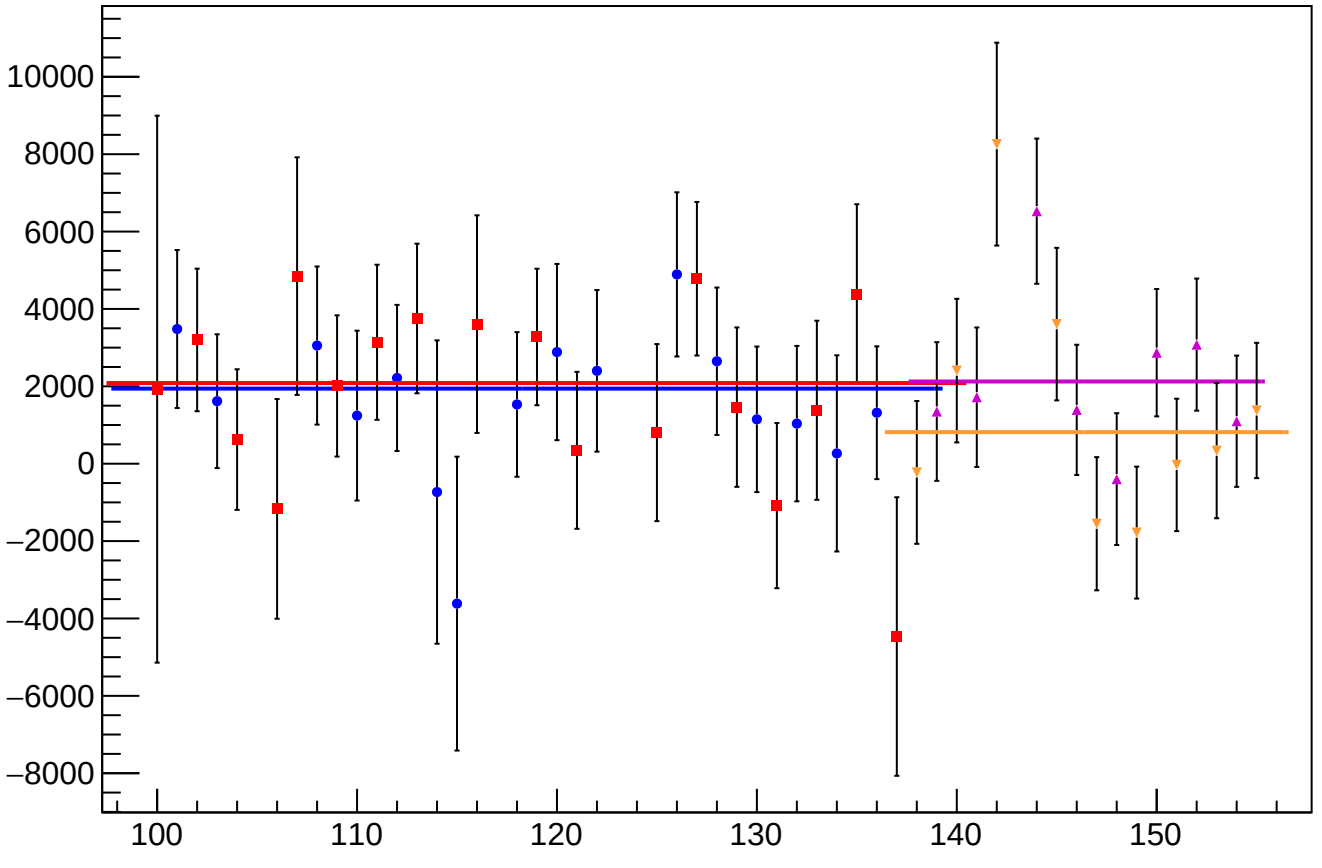
Left: 5050.254+/-0.968 χ^2/NDF: 661865.7/16

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3898.597+/-0.762 χ^2/NDF:2132841.2/23

Out: 3836.632+/-0.747 χ^2/NDF:1974354.2/26

All: 3866.997+/-0.533 χ^2/NDF: 4110571.1/50



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 816.531+/-612.598 χ^2/NDF:15.8/8

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2125.107+/-613.100 χ^2/NDF:9.0/7

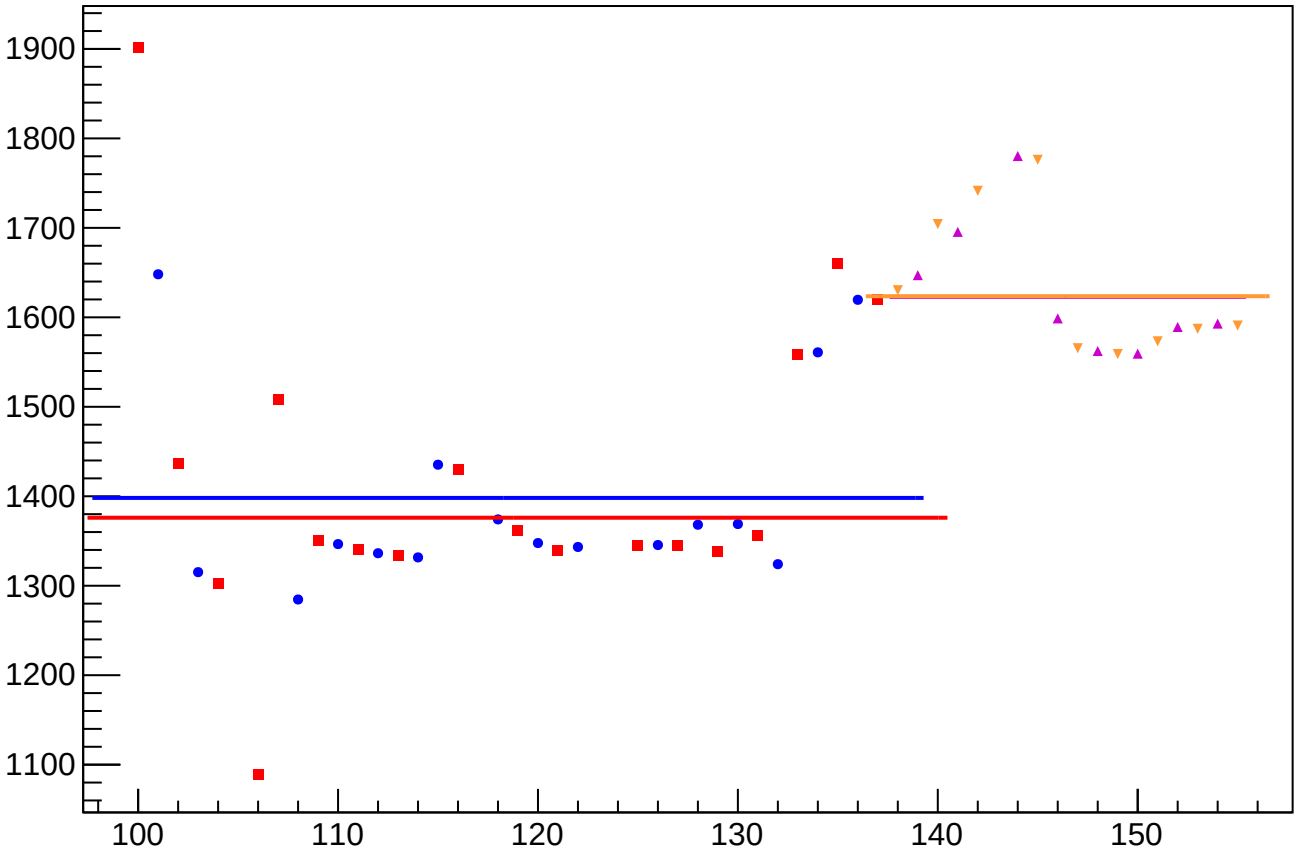
Left: 1470.283+/-433.349 χ^2/NDF: 27.0/16

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2018.420+/-397.532 χ^2/NDF:16.0/23

Out: 1553.789+/-396.251 χ^2/NDF:32.7/26

All: 1785.355+/-280.644 χ^2/NDF: 49.4/50



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1623.600+/-0.433 χ^2/NDF:28269.2/8

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1622.864+/-0.434 χ^2/NDF:24994.0/7

Left: 1623.232+/-0.306 χ^2/NDF: 53264.7/16

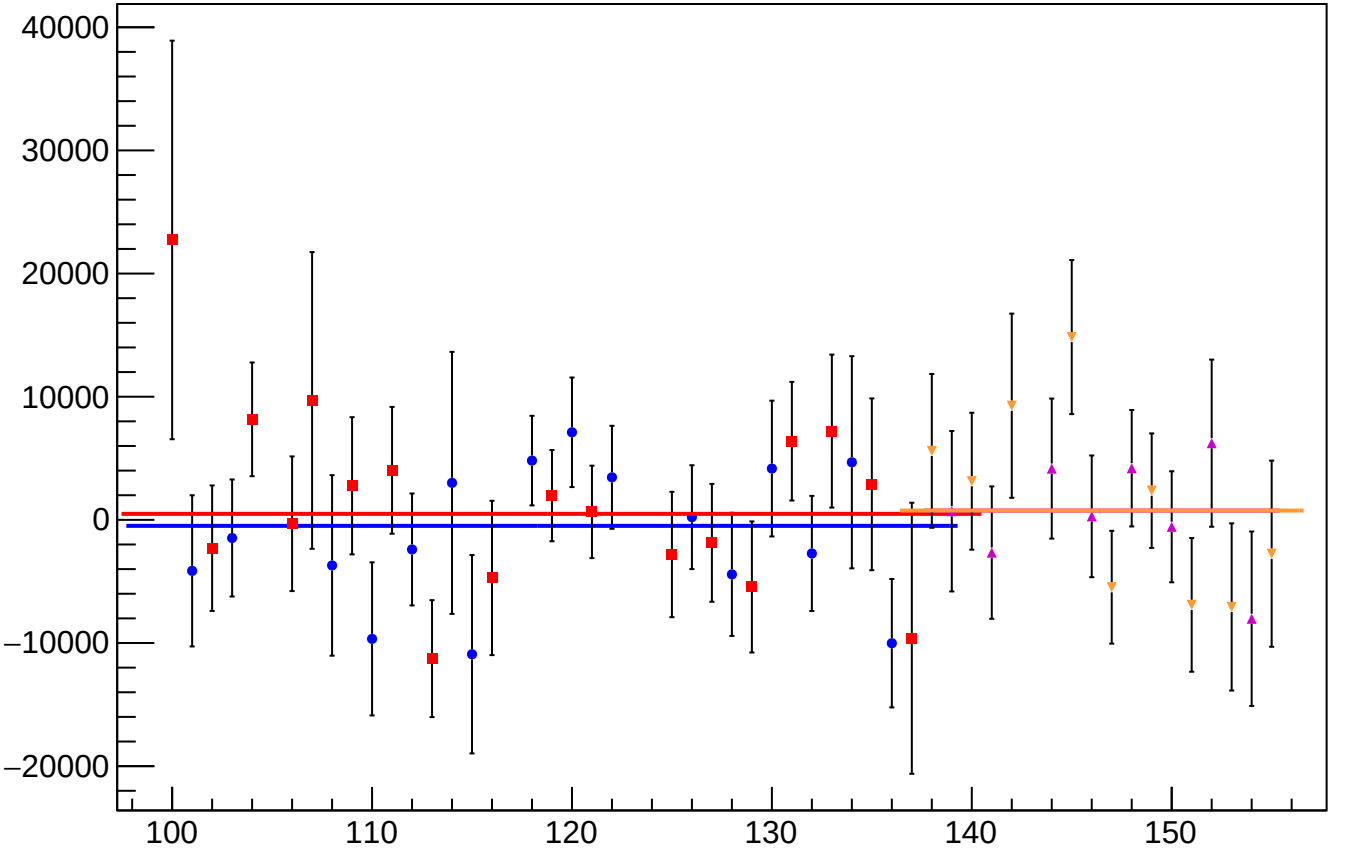
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1492.630+/-0.281 χ^2/NDF:274621.8/23

Out: 1477.999+/-0.278 χ^2/NDF:334415.5/26

All: 1485.234+/-0.198 χ^2/NDF: 610406.8/50

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: 757.078+/-1929.895 χ^2/NDF:12.7/8

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 753.076+/-1940.331 χ^2/NDF:3.6/7

Left: 755.088+/-1368.317 χ^2/NDF: 16.2/16

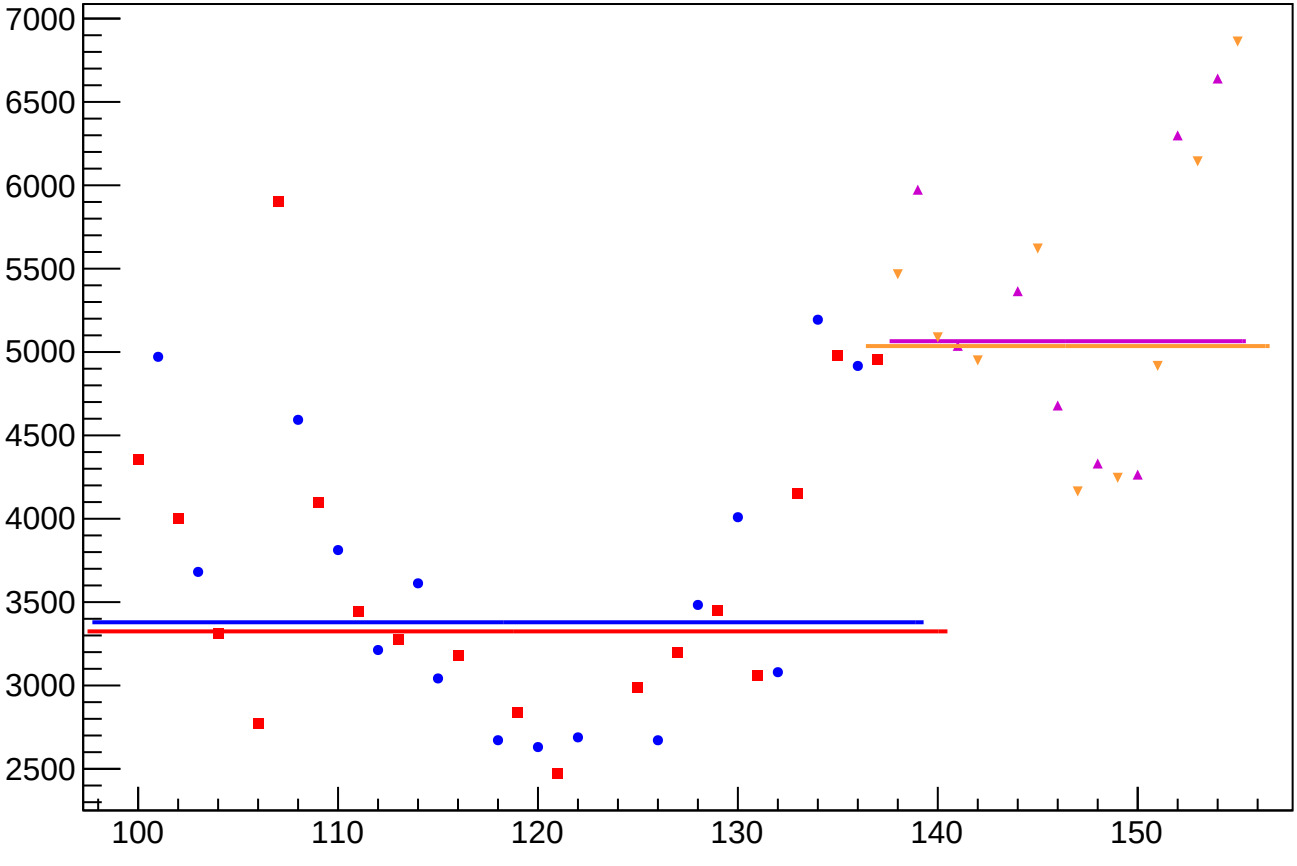
Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -104.574+/-1077.094 χ^2/NDF:19.8/23

Out: 568.952+/-1055.818 χ^2/NDF:31.4/26

All: 238.907+/-753.986 χ^2/NDF: 51.4/50

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5035.705+/-1.365 χ^2/NDF:328690.3/8

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5064.961+/-1.372 χ^2/NDF:332946.8/7

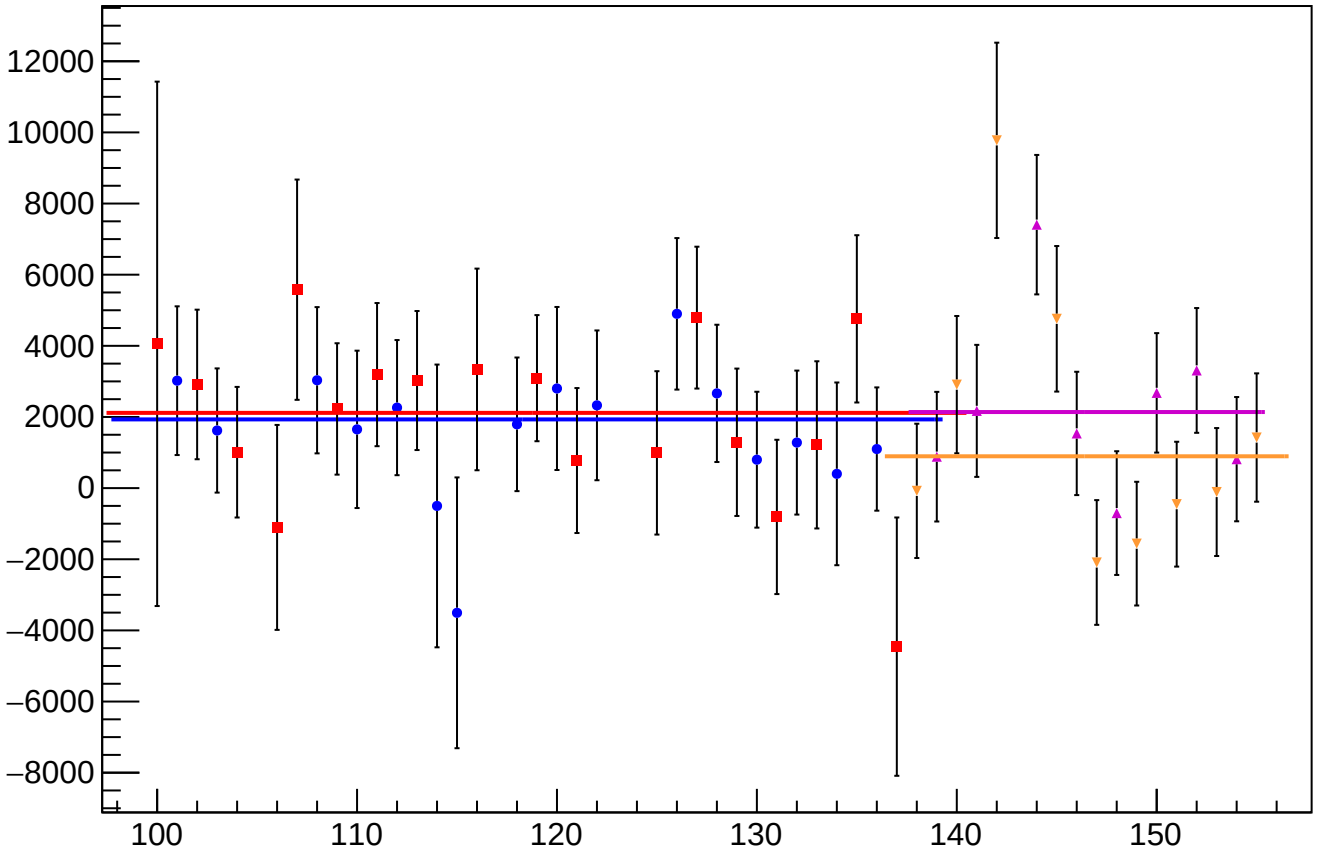
Left: 5050.254+/-0.968 χ^2/NDF: 661865.7/16

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3898.597+/-0.762 χ^2/NDF:2132841.2/23

Out: 3836.632+/-0.747 χ^2/NDF:1974354.2/26

All: 3866.997+/-0.533 χ^2/NDF: 4110571.1/50



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 894.667+/-630.221 χ^2/NDF:21.3/8

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2138.717+/-629.604 χ^2/NDF:11.6/7

Left: 1517.301+/-445.415 χ^2/NDF: 34.8/16

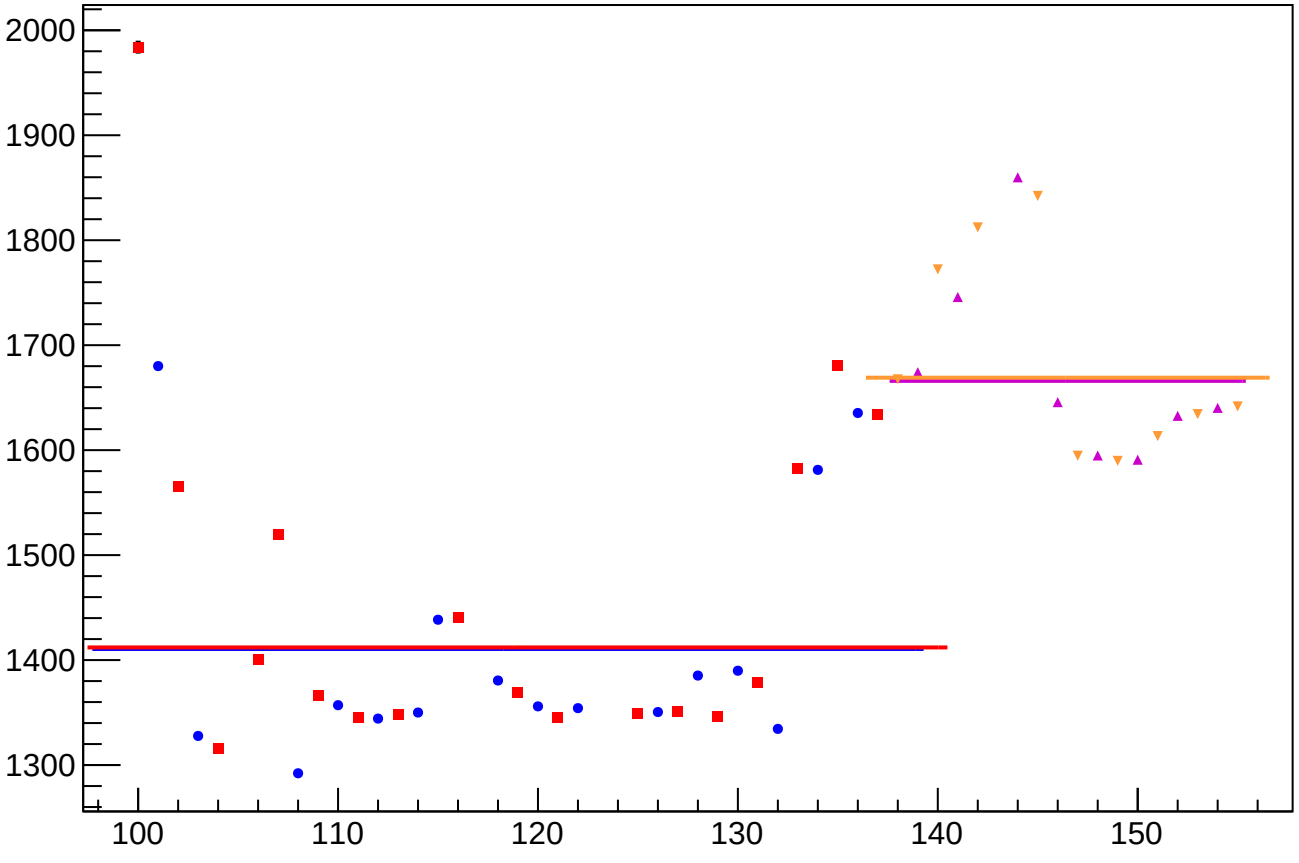
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2016.917+/-404.177 χ^2/NDF:18.0/23

Out: 1610.920+/-405.091 χ^2/NDF:36.7/26

All: 1814.377+/-286.119 χ^2/NDF: 55.2/50

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1669.028+/-0.446 χ^2/NDF:36447.9/8

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1666.003+/-0.445 χ^2/NDF:32088.7/7

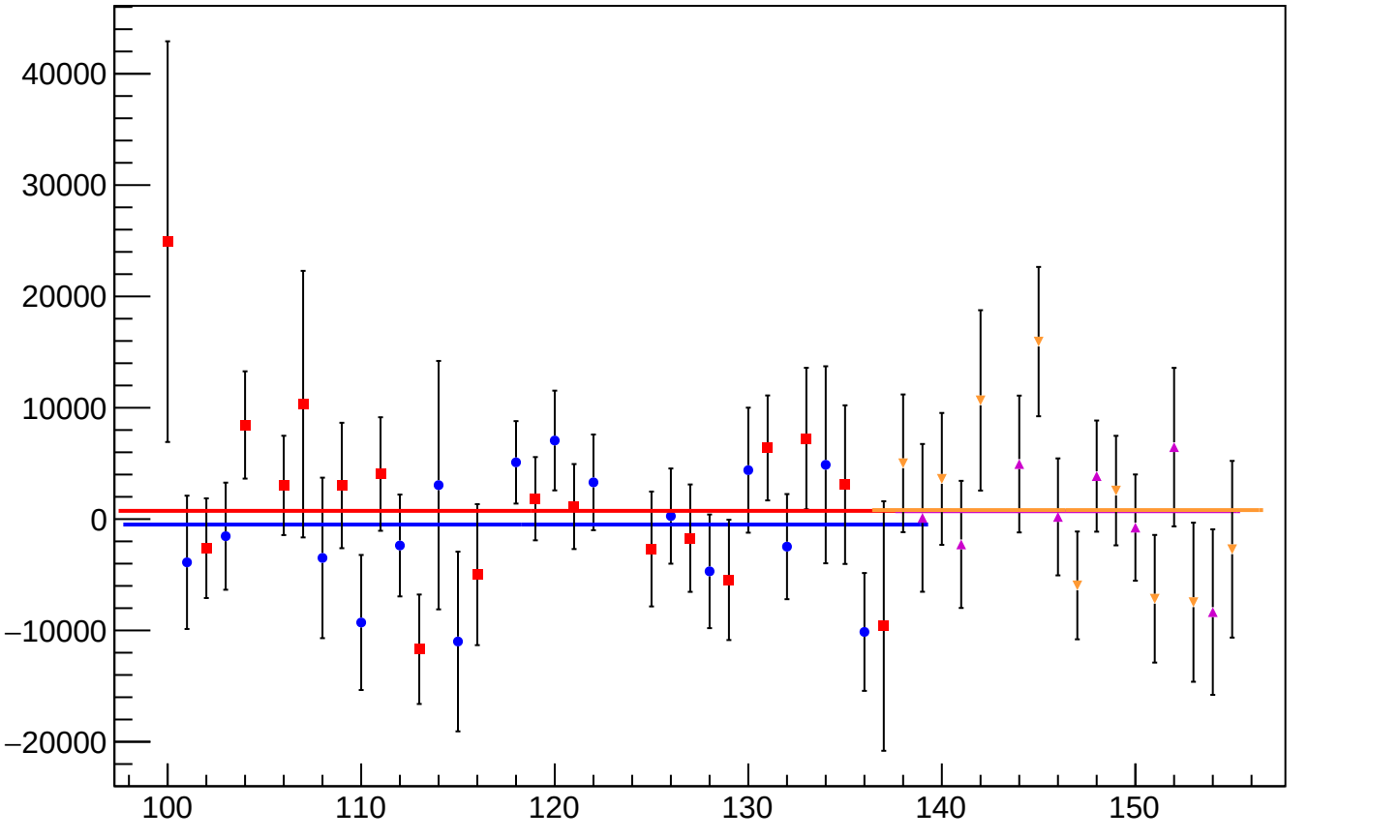
Left: 1667.514+/-0.315 χ^2/NDF: 68559.6/16

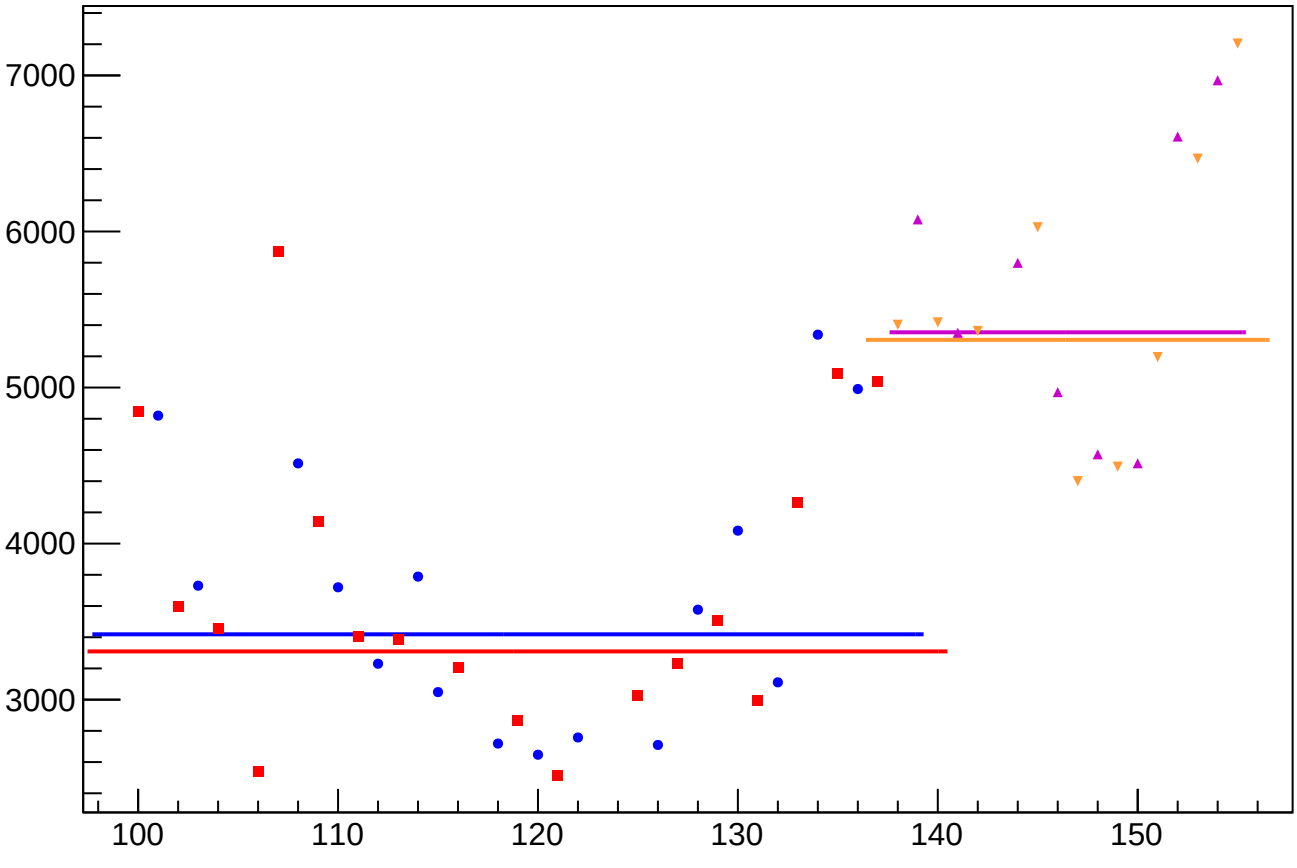
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1515.850+/-0.286 χ^2/NDF:324730.7/23

Out: 1517.889+/-0.286 χ^2/NDF:321729.4/26

All: 1516.869+/-0.202 χ^2/NDF: 646485.6/50


asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -489.402+/-1308.692 χ²/NDF: 15.8/15
Left Out: 808.349+/-2032.562 χ²/NDF:12.8/8
Right Out: 740.592+/-1247.947 χ²/NDF: 19.2/17
Left In: 709.395+/-2049.843 χ²/NDF:3.4/7
Left: 759.291+/-1443.310 χ²/NDF: 16.2/16
Right: 154.802+/-903.143 χ²/NDF: 35.5/33
In: -142.266+/-1103.057 χ²/NDF:19.5/23
Out: 759.142+/-1063.492 χ²/NDF:32.0/26
All: 324.893+/-765.608 χ²/NDF: 51.8/50



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5305.526+/-1.437 χ^2/NDF:317096.6/8

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5354.042+/-1.449 χ^2/NDF:312372.1/7

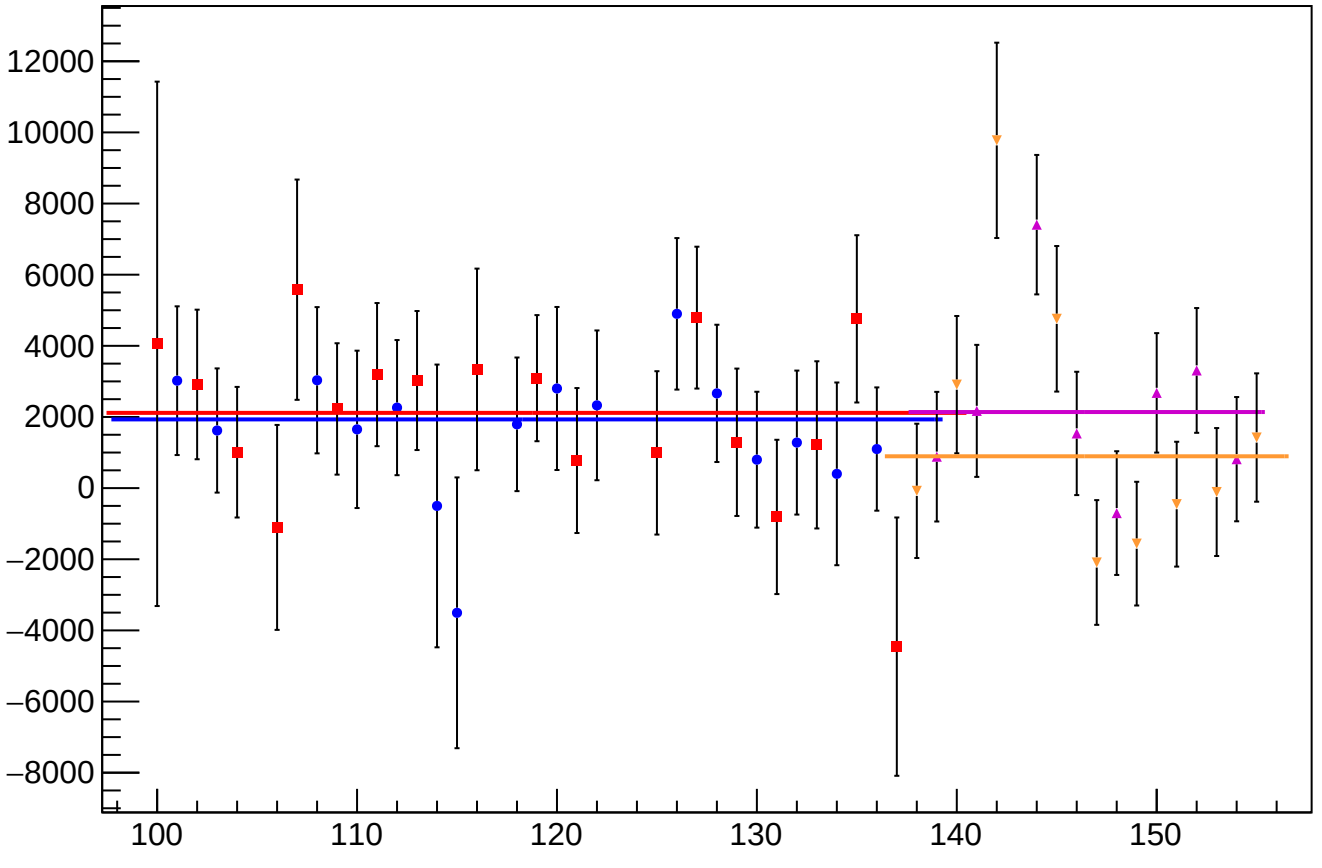
Left: 5329.579+/-1.021 χ^2/NDF: 630033.7/16

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 3979.118+/-0.780 χ^2/NDF:2300144.2/23

Out: 3855.664+/-0.752 χ^2/NDF:2290300.3/26

All: 3915.138+/-0.541 χ^2/NDF: 4603427.9/50



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 894.667+/-630.222 χ^2/NDF:21.3/8

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2138.718+/-629.605 χ^2/NDF:11.6/7

Left: 1517.302+/-445.416 χ^2/NDF: 34.8/16

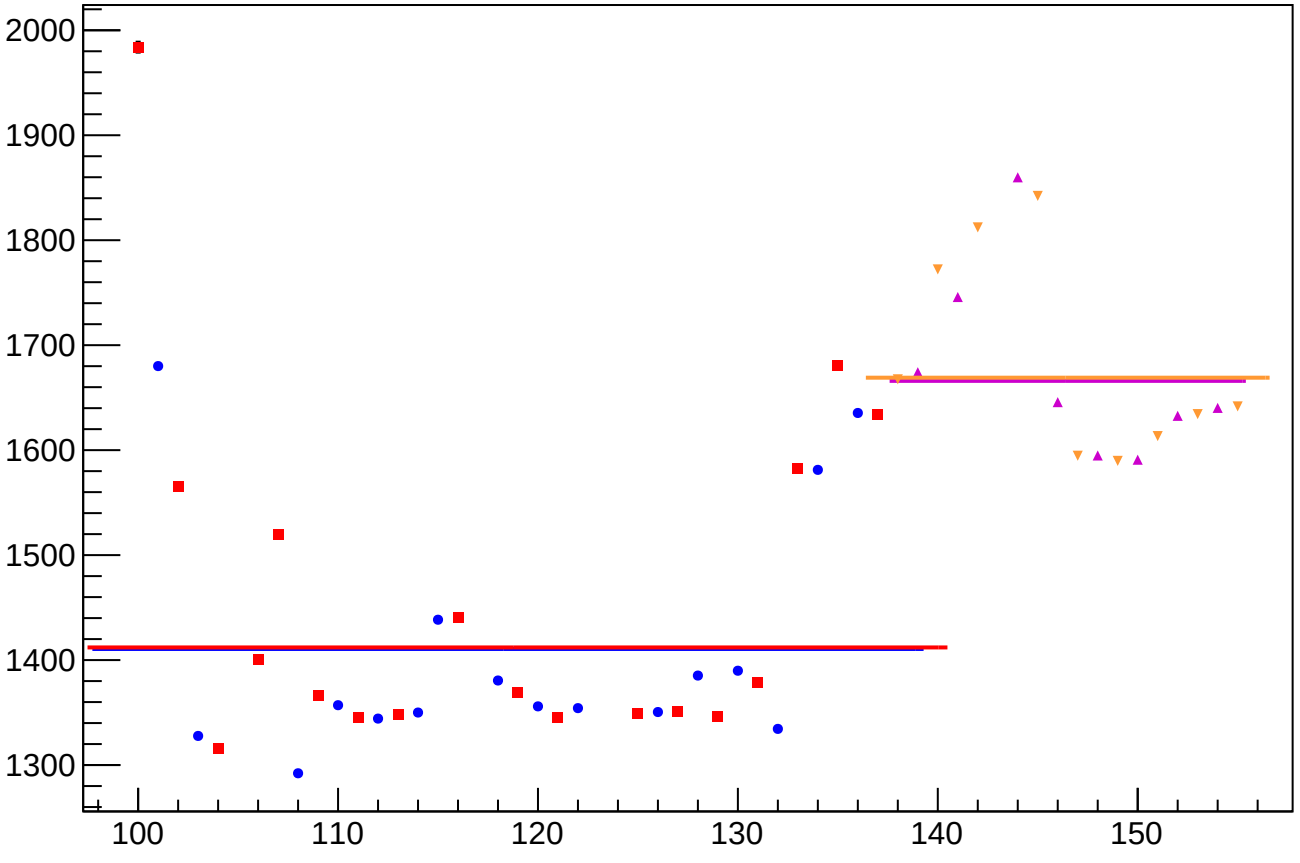
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2016.918+/-404.177 χ^2/NDF:18.0/23

Out: 1610.921+/-405.091 χ^2/NDF:36.7/26

All: 1814.378+/-286.119 χ^2/NDF: 55.2/50

eigen_dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1669.029+/-0.446 χ^2/NDF:36448.5/8

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1666.005+/-0.445 χ^2/NDF:32089.1/7

Left: 1667.515+/-0.315 χ^2/NDF: 68560.7/16

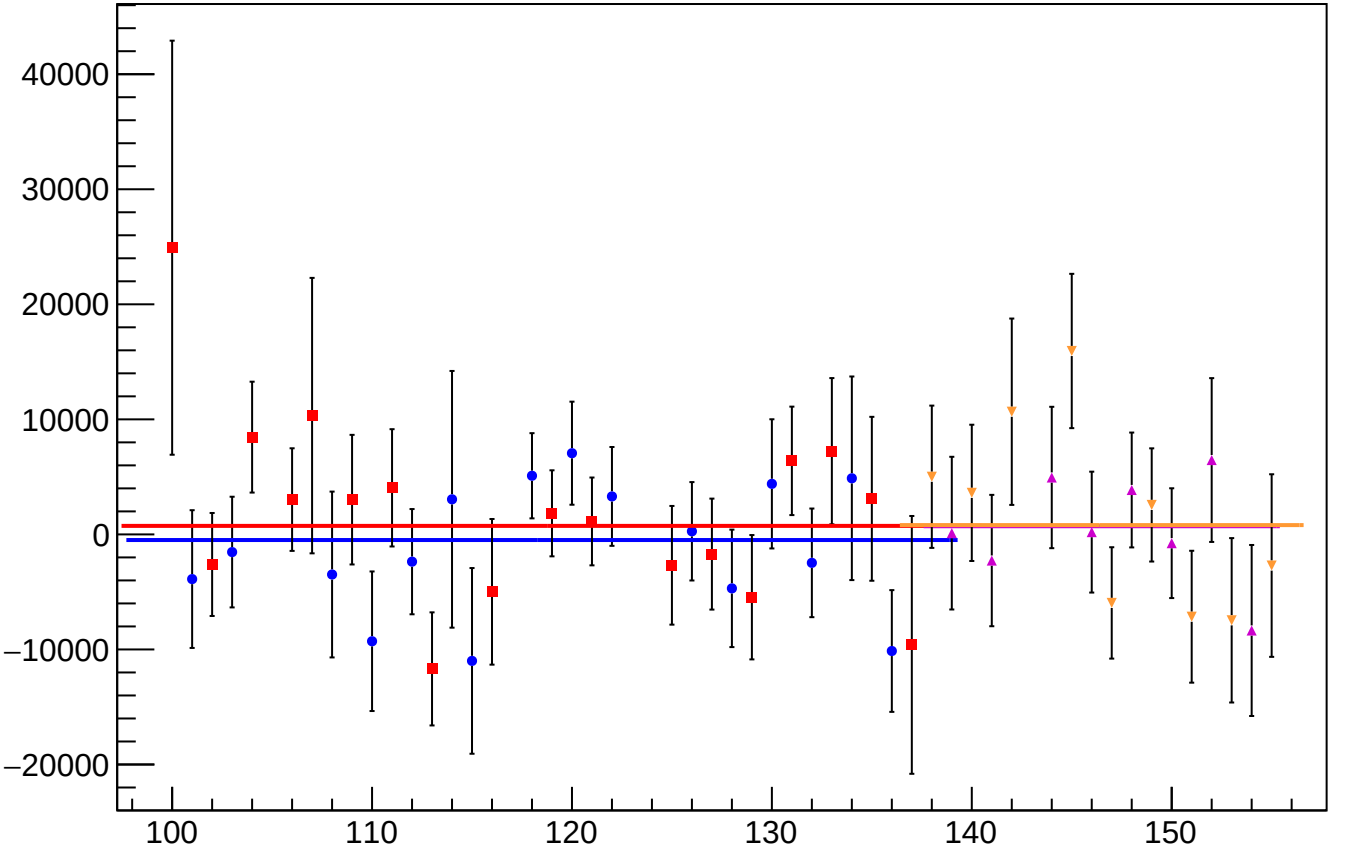
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1515.851+/-0.286 χ^2/NDF:324732.7/23

Out: 1517.889+/-0.286 χ^2/NDF:321732.1/26

All: 1516.869+/-0.202 χ^2/NDF: 646490.2/50

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: 808.342+/-2032.565 χ^2/NDF:12.8/8

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 709.397+/-2049.846 χ^2/NDF:3.4/7

Left: 759.288+/-1443.311 χ^2/NDF: 16.2/16

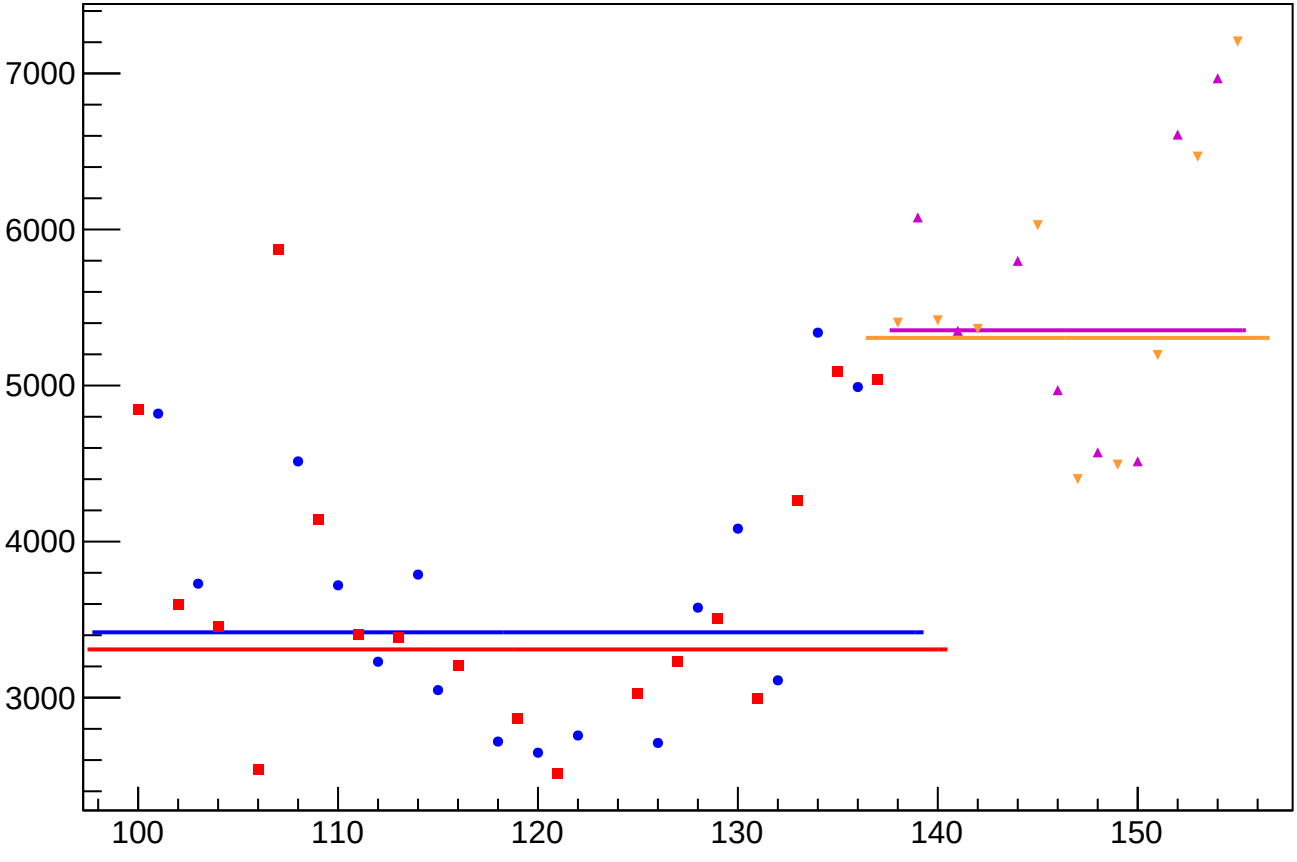
Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -142.262+/-1103.055 χ^2/NDF:19.5/23

Out: 759.141+/-1063.490 χ^2/NDF:32.0/26

All: 324.895+/-765.606 χ^2/NDF: 51.8/50

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5305.533+/-1.437 χ^2/NDF:317099.2/8

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5354.048+/-1.449 χ^2/NDF:312374.5/7

Left: 5329.585+/-1.021 χ^2/NDF: 630038.6/16

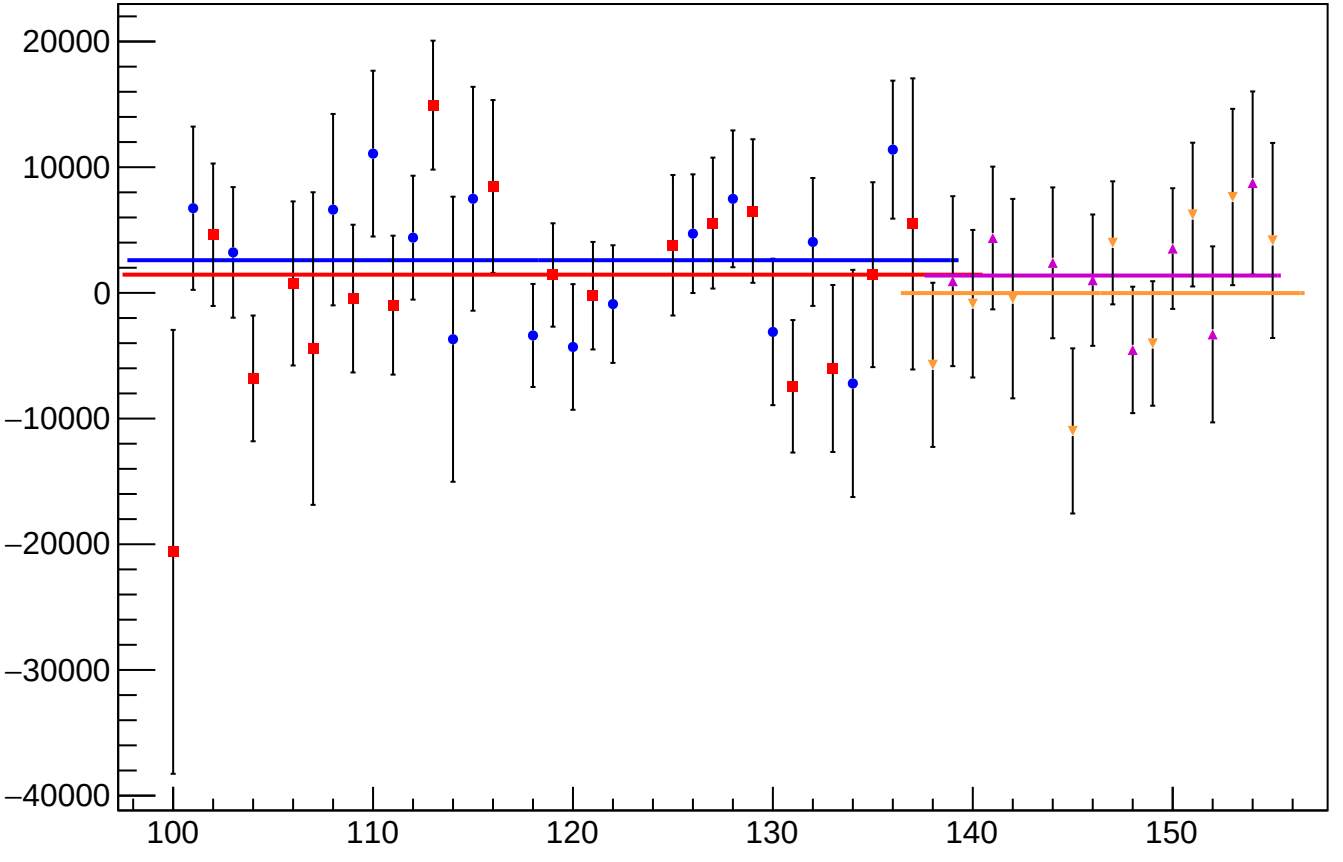
Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 3979.109+/-0.780 χ^2/NDF:2300177.7/23

Out: 3855.655+/-0.752 χ^2/NDF:2290329.3/26

All: 3915.128+/-0.541 χ^2/NDF: 4603490.3/50

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -16.064+/-2034.849 χ^2/NDF:7.6/8

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 1379.834+/-2043.636 χ^2/NDF:3.4/7

Left: 678.877+/-1441.952 χ^2/NDF: 11.2/16

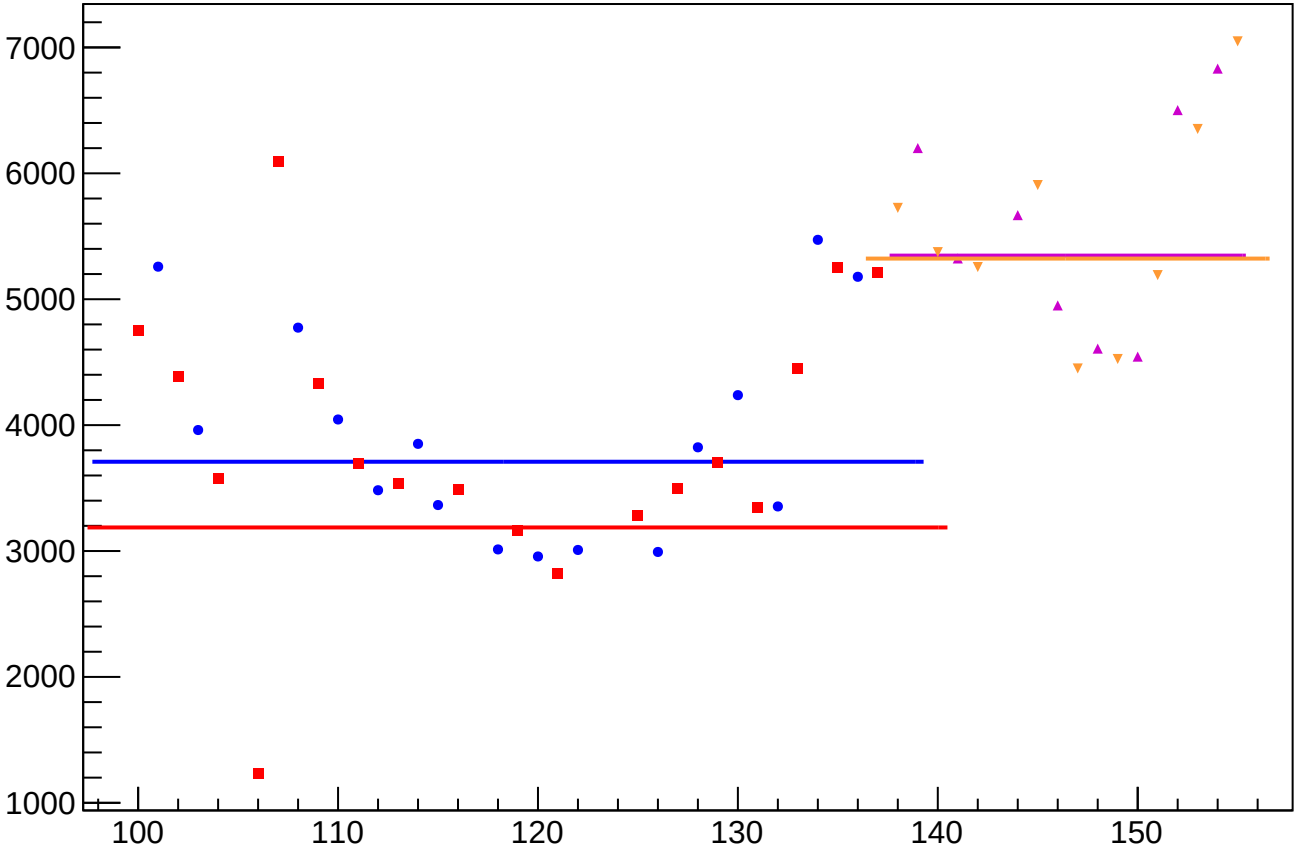
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2204.534+/-1163.077 χ^2/NDF:17.1/23

Out: 987.130+/-1143.719 χ^2/NDF:27.0/26

All: 1585.617+/-815.489 χ^2/NDF: 44.6/50

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5322.867+/-1.439 χ^2/NDF:282101.0/8

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5346.421+/-1.445 χ^2/NDF:285767.0/7

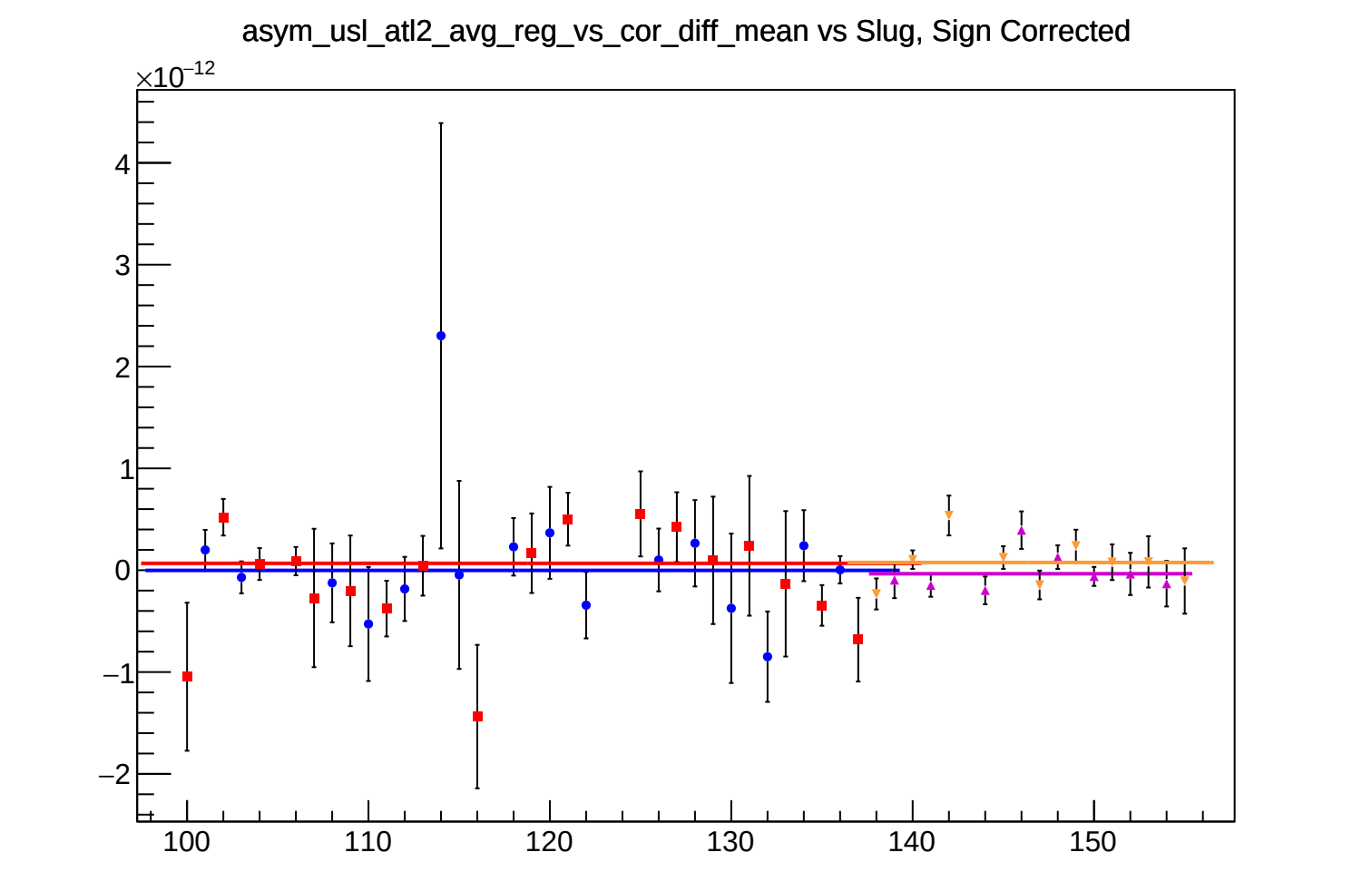
Left: 5334.593+/-1.020 χ^2/NDF: 568001.3/16

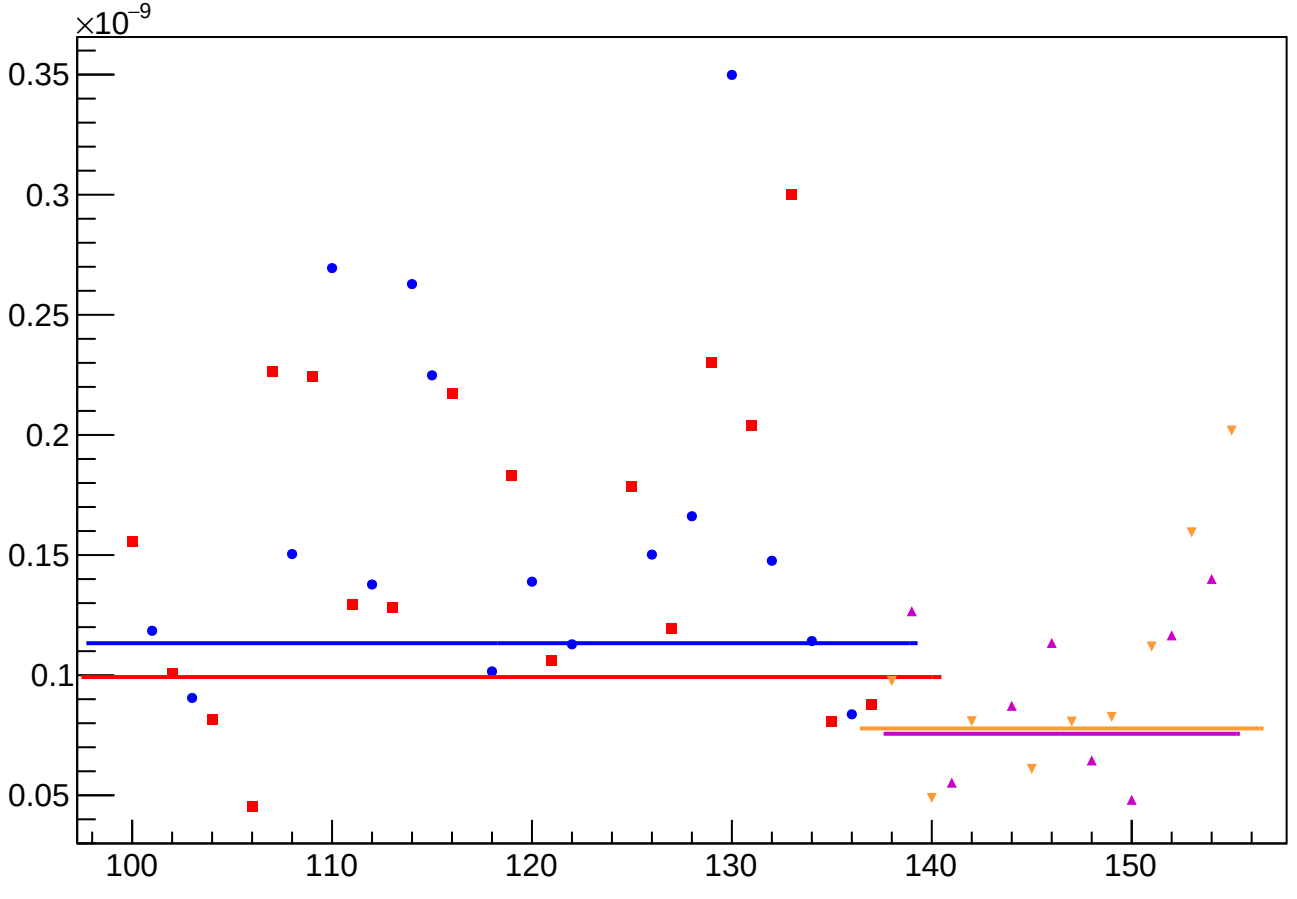
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4239.462+/-0.822 χ^2/NDF:1764312.3/23

Out: 3783.532+/-0.760 χ^2/NDF:3480859.6/26

All: 3993.636+/-0.558 χ^2/NDF: 5410878.4/50


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:13.8/8
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:10.2/7
Left: 0.000+/-0.000 χ²/NDF: 26.6/16
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:21.5/23
Out: 0.000+/-0.000 χ²/NDF:43.3/26
All: 0.000+/-0.000 χ²/NDF: 67.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:868658.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:764702.5/7

Left: 0.000+/-0.000 χ^2/NDF: 1635440.4/16

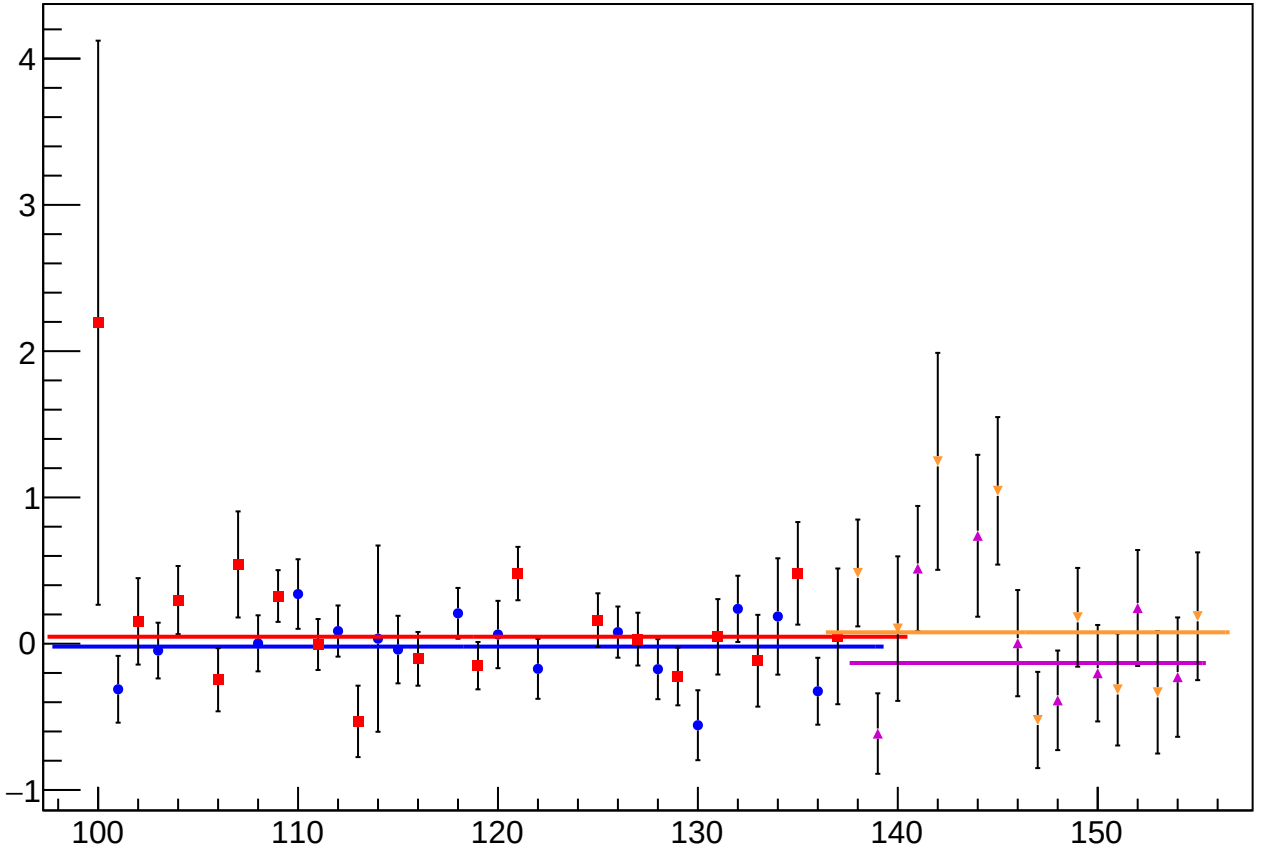
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:1809418.6/23

Out: 0.000+/-0.000 χ^2/NDF:2106019.2/26

All: 0.000+/-0.000 χ^2/NDF: 3918730.7/50

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: 0.078+/-0.137 χ^2/NDF:12.9/8

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.132+/-0.129 χ^2/NDF:9.5/7

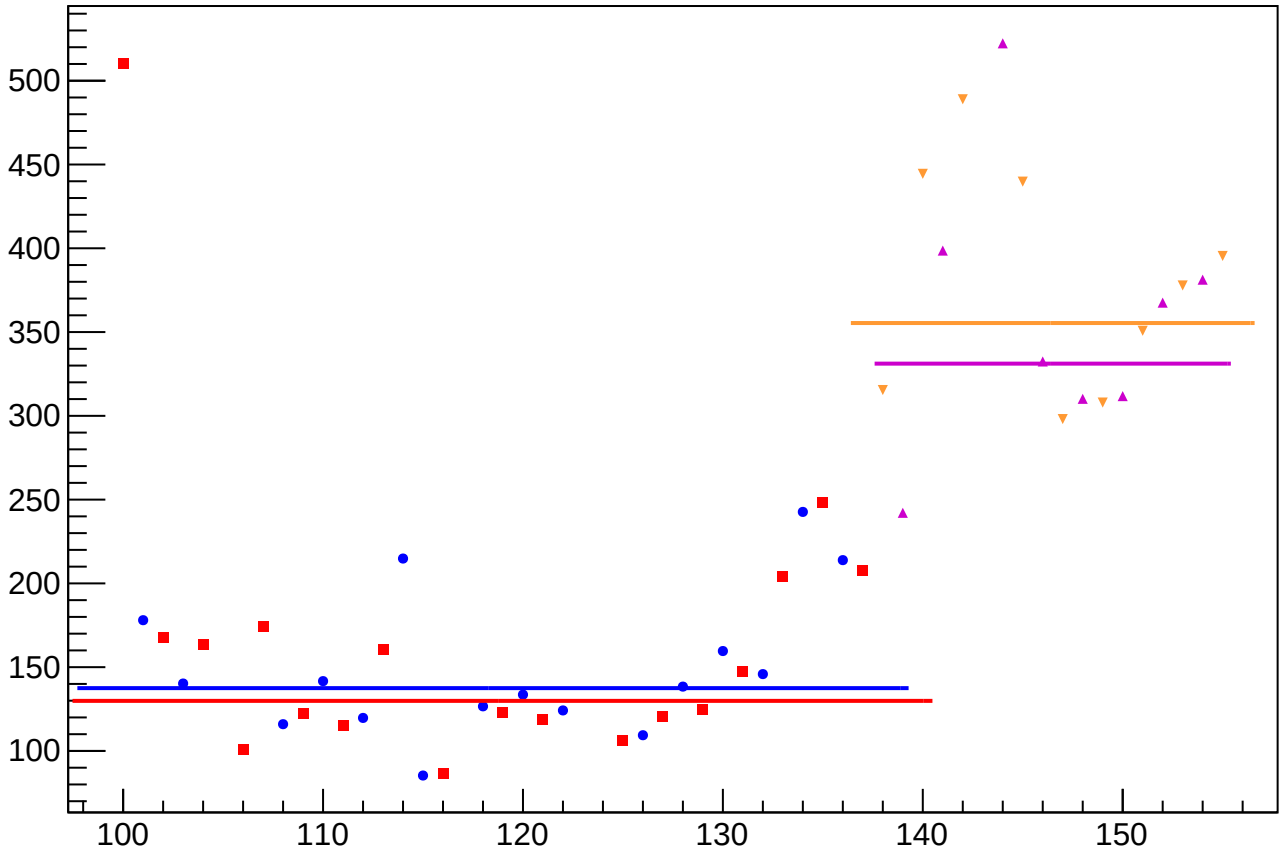
Left: -0.033+/-0.094 χ^2/NDF: 23.6/16

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.036+/-0.050 χ^2/NDF:26.2/23

Out: 0.052+/-0.049 χ^2/NDF:39.2/26

All: 0.008+/-0.035 χ^2/NDF: 67.0/50



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 355.390+/-0.097 χ^2/NDF:332932.1/8

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 331.157+/-0.091 χ^2/NDF:559406.1/7

Left: 342.565+/-0.067 χ^2/NDF: 925366.7/16

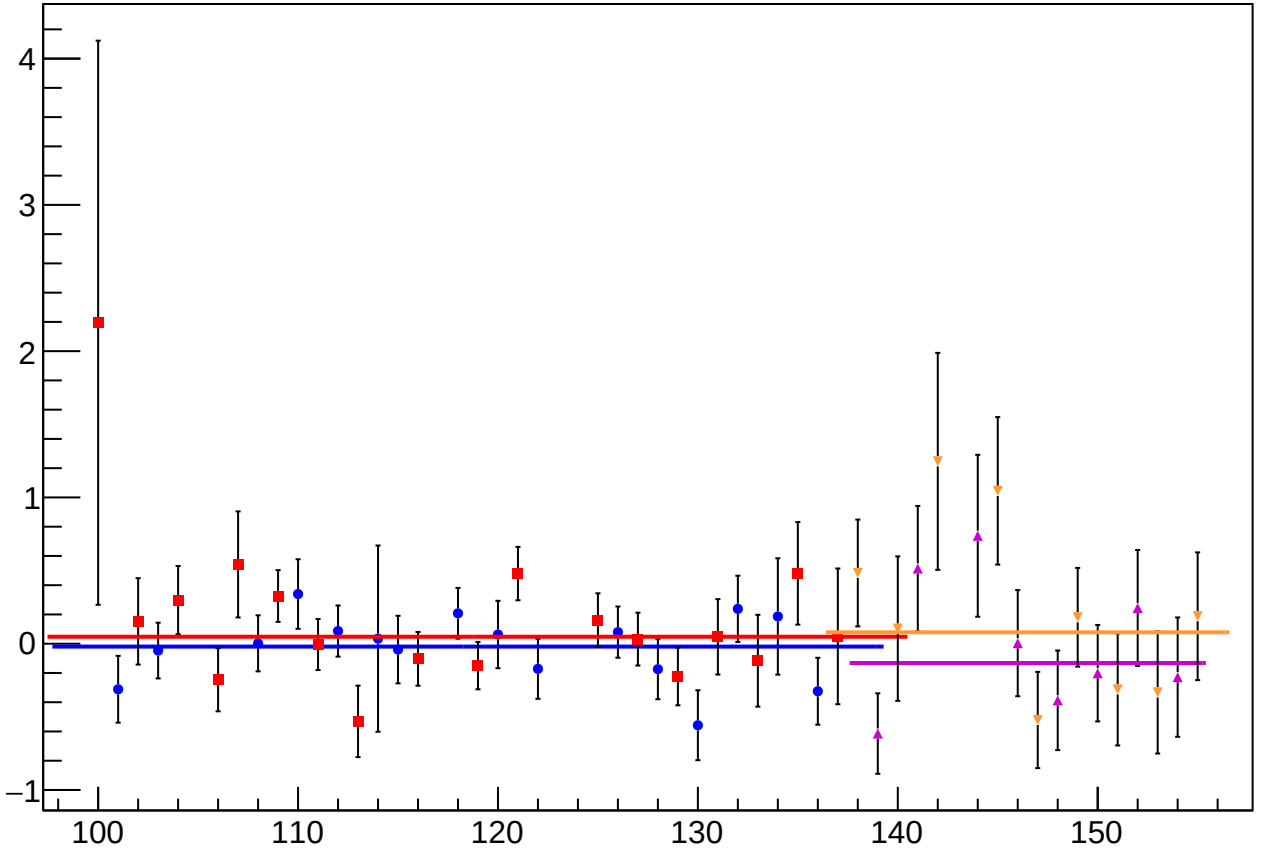
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 166.409+/-0.035 χ^2/NDF:5064237.0/23

Out: 158.691+/-0.035 χ^2/NDF:5881018.4/26

All: 162.474+/-0.025 χ^2/NDF: 10969556.9/50

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.078+/-0.137 χ^2/NDF:12.9/8

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.132+/-0.129 χ^2/NDF:9.5/7

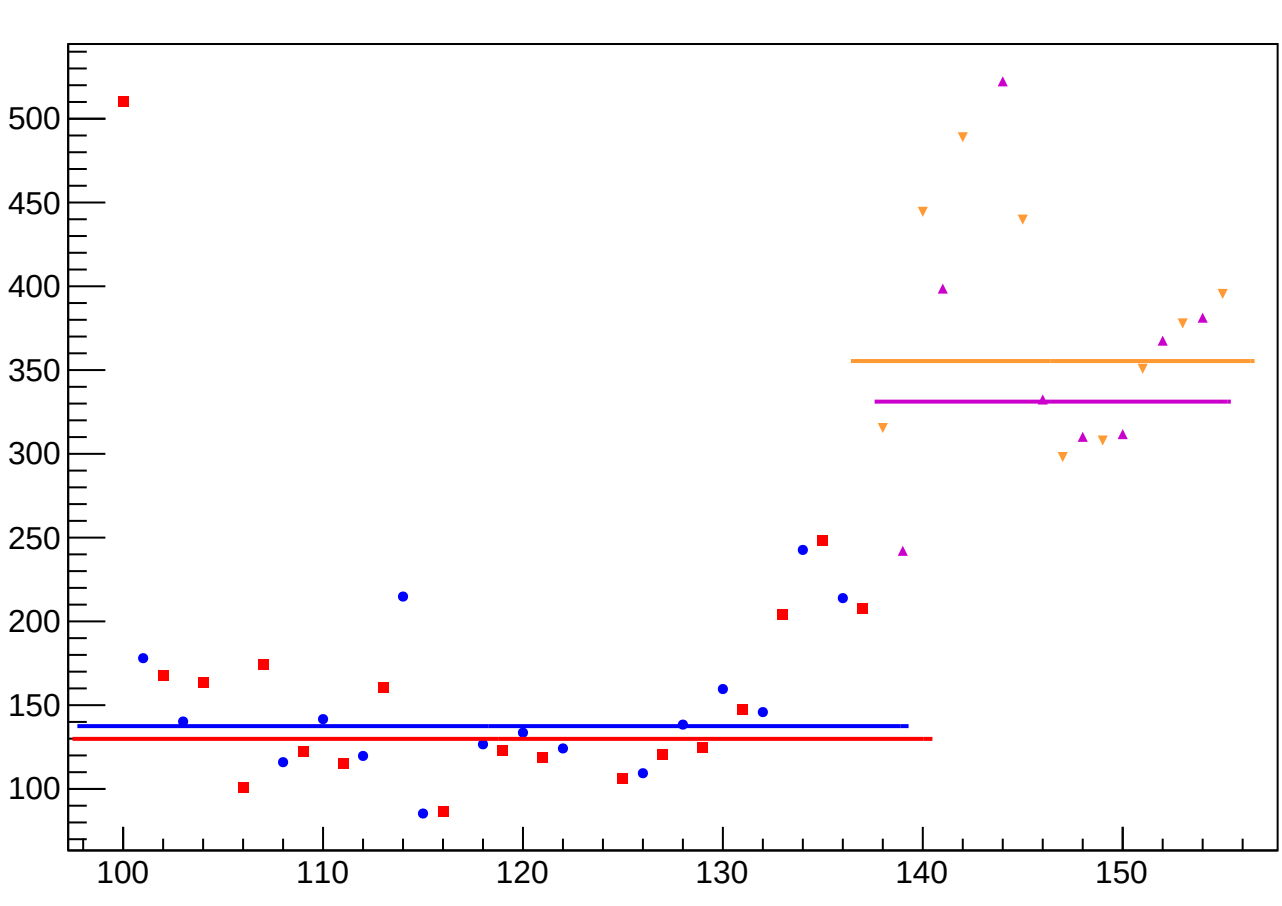
Left: -0.033+/-0.094 χ^2/NDF: 23.6/16

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.036+/-0.050 χ^2/NDF:26.2/23

Out: 0.052+/-0.049 χ^2/NDF:39.2/26

All: 0.008+/-0.035 χ^2/NDF: 67.0/50



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 355.390+/-0.097 χ^2/NDF:332932.1/8

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 331.157+/-0.091 χ^2/NDF:559406.1/7

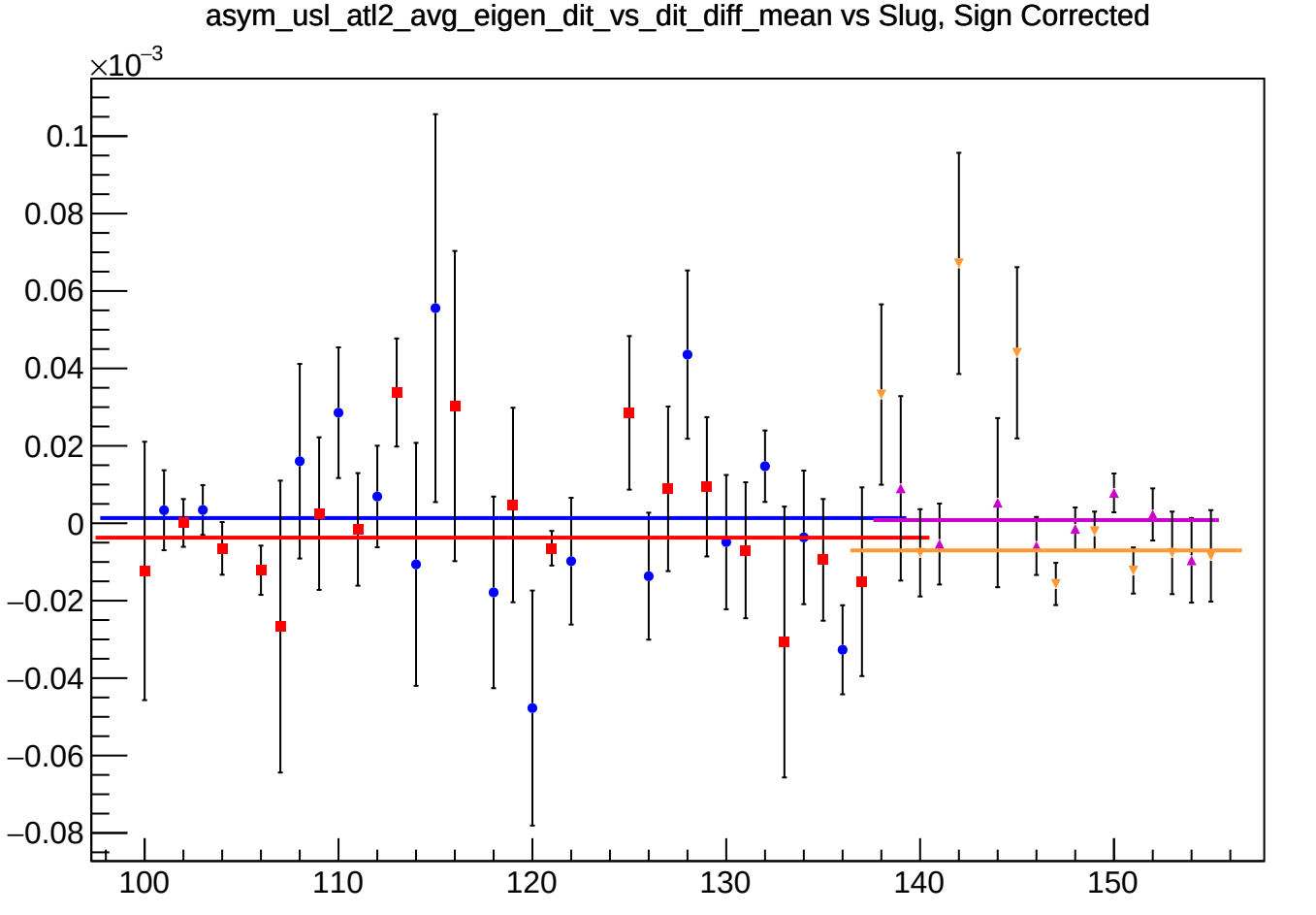
Left: 342.565+/-0.067 χ^2/NDF: 925366.7/16

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

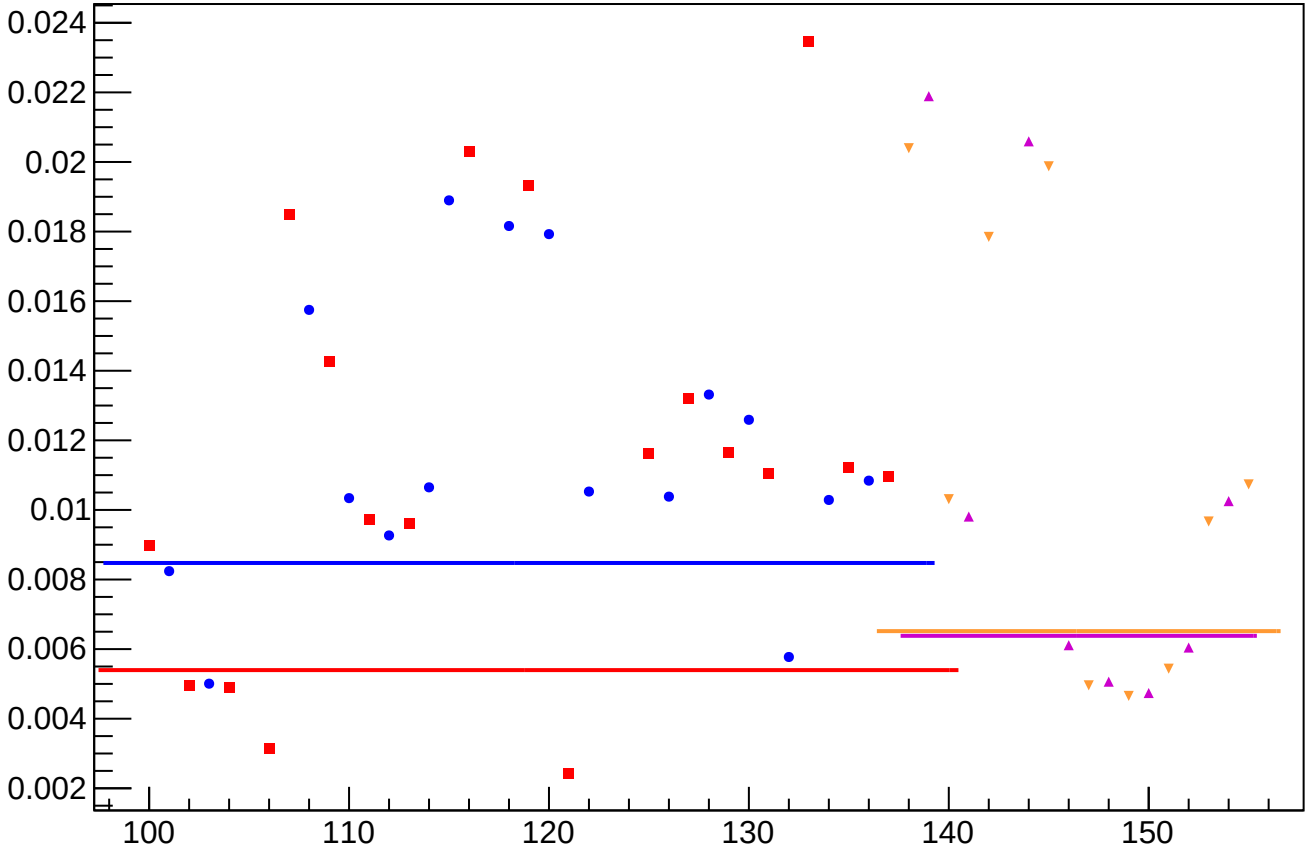
In: 166.409+/-0.035 χ^2/NDF:5064237.0/23

Out: 158.691+/-0.035 χ^2/NDF:5881018.4/26

All: 162.474+/-0.025 χ^2/NDF: 10969556.9/50


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.9/15
Left Out: -0.000+/-0.000 χ²/NDF:19.3/8
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: 0.000+/-0.000 χ²/NDF:4.4/7
Left: -0.000+/-0.000 χ²/NDF: 27.7/16
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:28.3/23
Out: -0.000+/-0.000 χ²/NDF:35.8/26
All: -0.000+/-0.000 χ²/NDF: 69.0/50

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.007+/-0.000 χ^2/NDF:2905569.4/8

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.006+/-0.000 χ^2/NDF:2496410.0/7

Left: 0.006+/-0.000 χ^2/NDF: 5404368.6/16

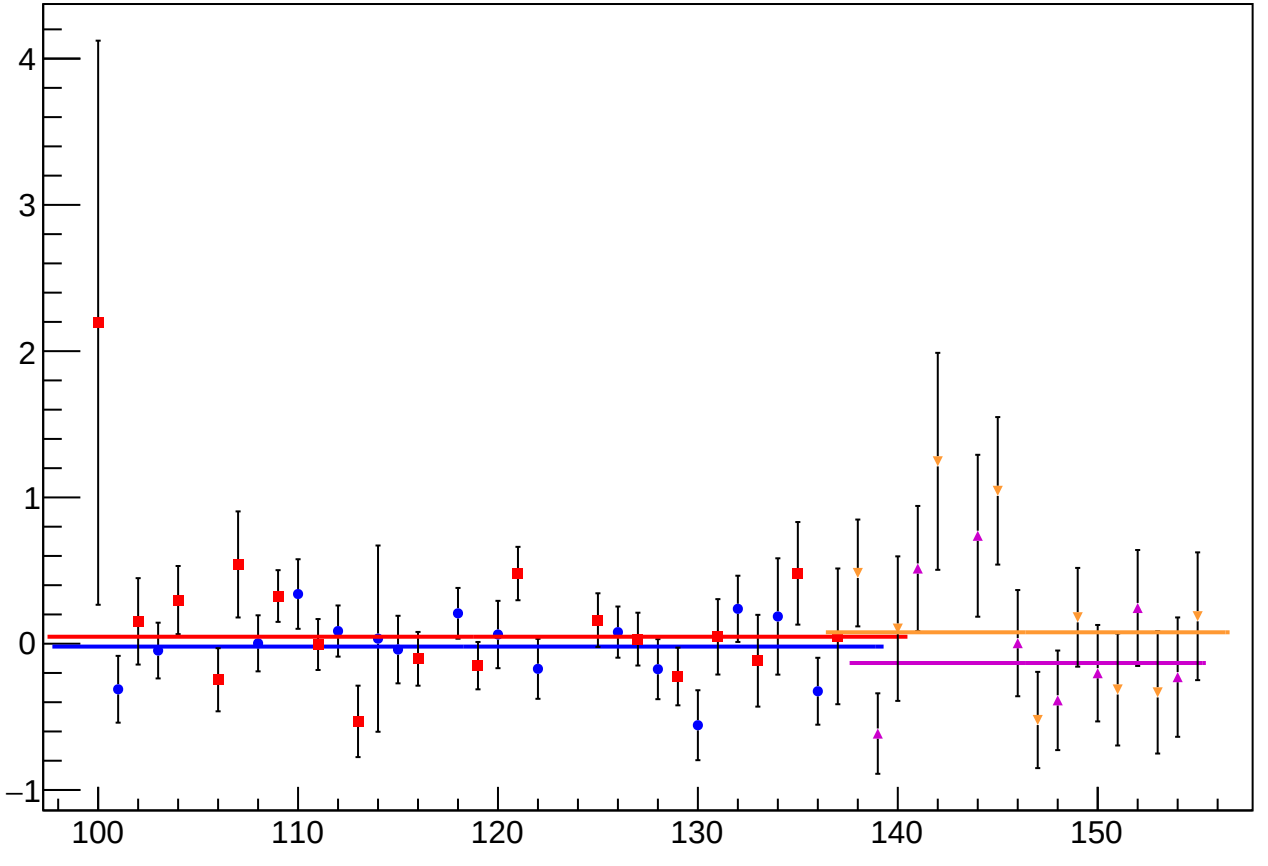
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.007+/-0.000 χ^2/NDF:4875147.1/23

Out: 0.006+/-0.000 χ^2/NDF:7992416.1/26

All: 0.006+/-0.000 χ^2/NDF: 13277134.1/50

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: 0.078+/-0.137 χ^2/NDF:12.9/8

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.132+/-0.129 χ^2/NDF:9.5/7

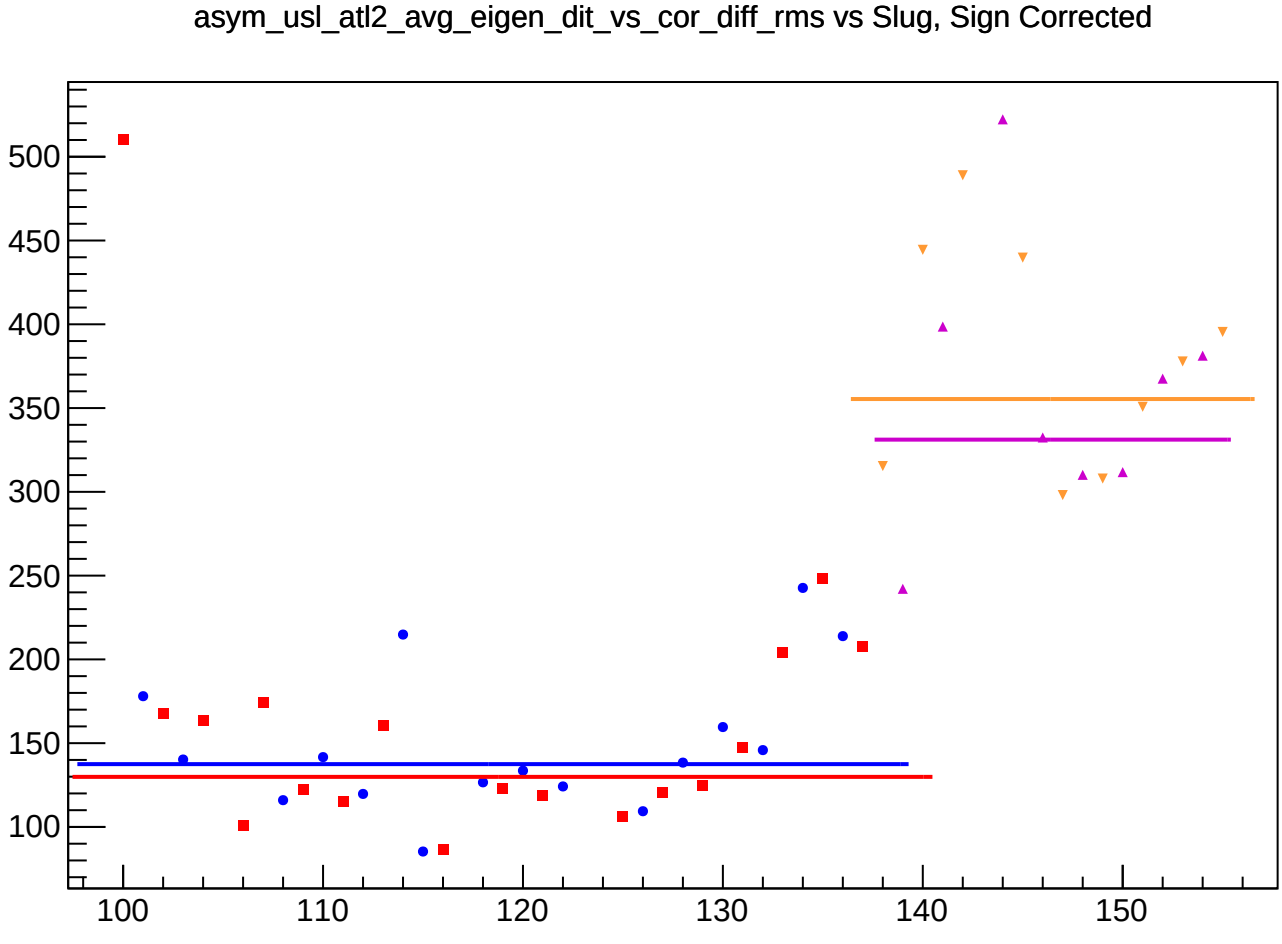
Left: -0.033+/-0.094 χ^2/NDF: 23.6/16

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

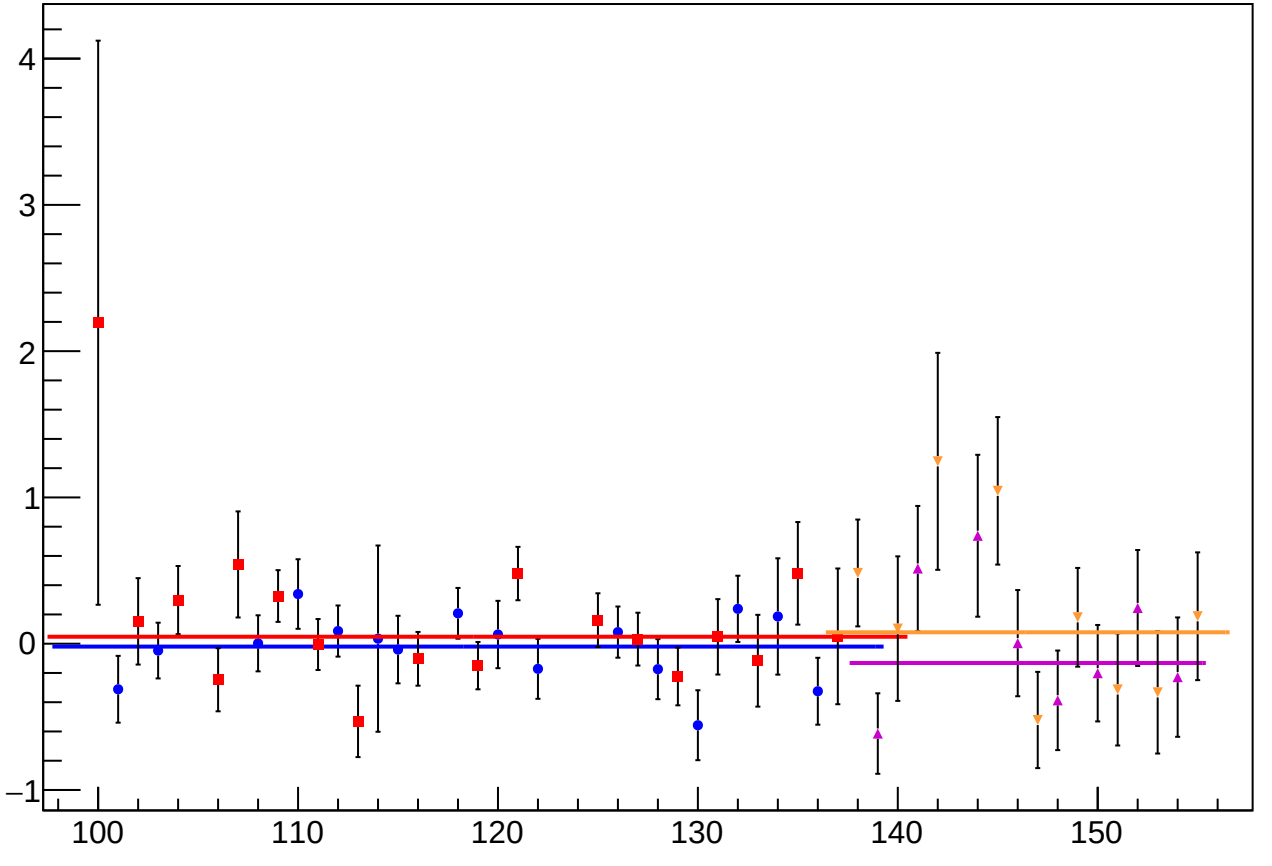
In: -0.036+/-0.050 χ^2/NDF:26.2/23

Out: 0.052+/-0.049 χ^2/NDF:39.2/26

All: 0.008+/-0.035 χ^2/NDF: 67.0/50


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
110
120
130
140
150
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 355.393+/-0.097 χ²/NDF:332965.1/8
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 331.162+/-0.091 χ²/NDF:559390.9/7
Left: 342.569+/-0.067 χ²/NDF: 925379.9/16
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 166.409+/-0.035 χ²/NDF:5064301.3/23
Out: 158.690+/-0.035 χ²/NDF:5881062.6/26
All: 162.474+/-0.025 χ²/NDF: 10969665.3/50

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: 0.078+/-0.137 χ^2/NDF:12.9/8

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.132+/-0.129 χ^2/NDF:9.5/7

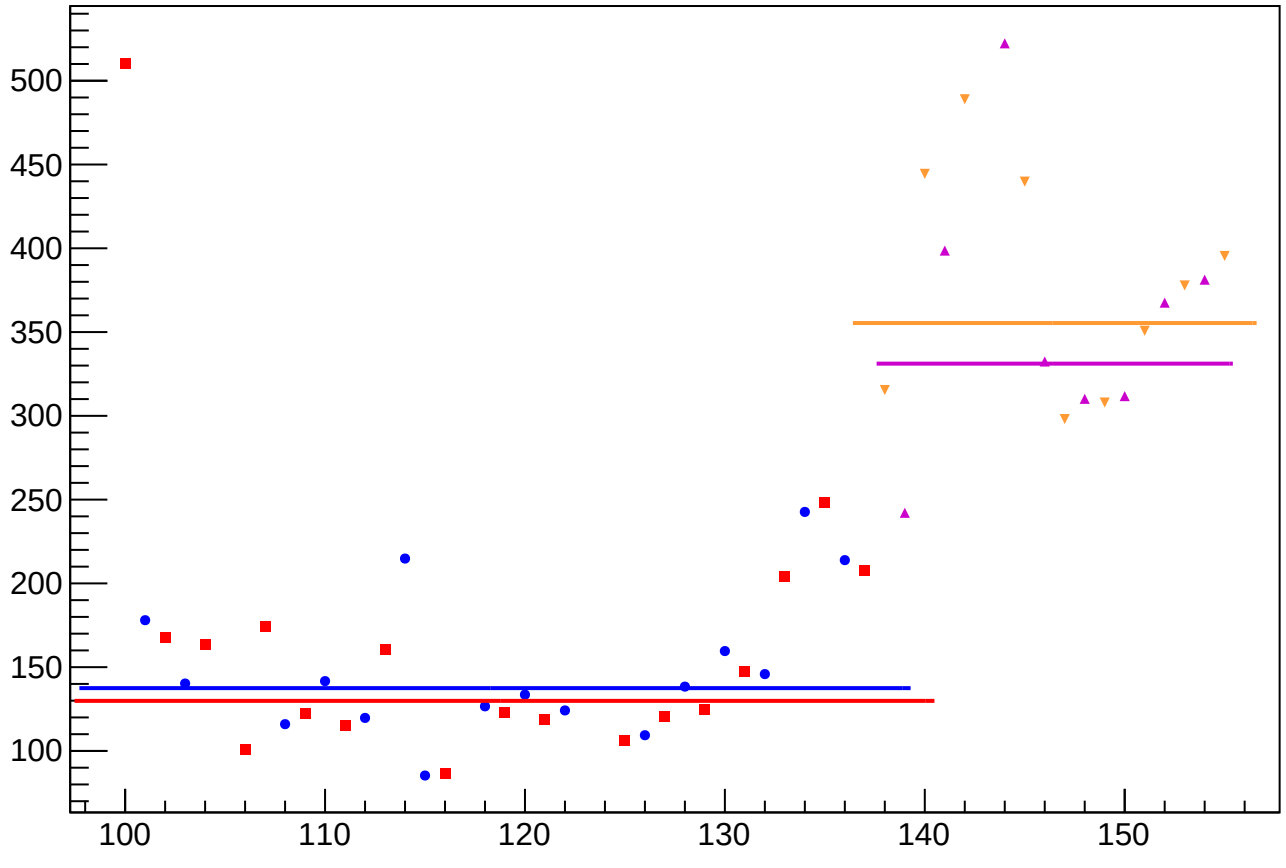
Left: -0.033+/-0.094 χ^2/NDF: 23.6/16

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.036+/-0.050 χ^2/NDF:26.2/23

Out: 0.052+/-0.049 χ^2/NDF:39.2/26

All: 0.008+/-0.035 χ^2/NDF: 67.0/50



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 355.393+/-0.097 χ^2/NDF:332965.1/8

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 331.162+/-0.091 χ^2/NDF:559390.9/7

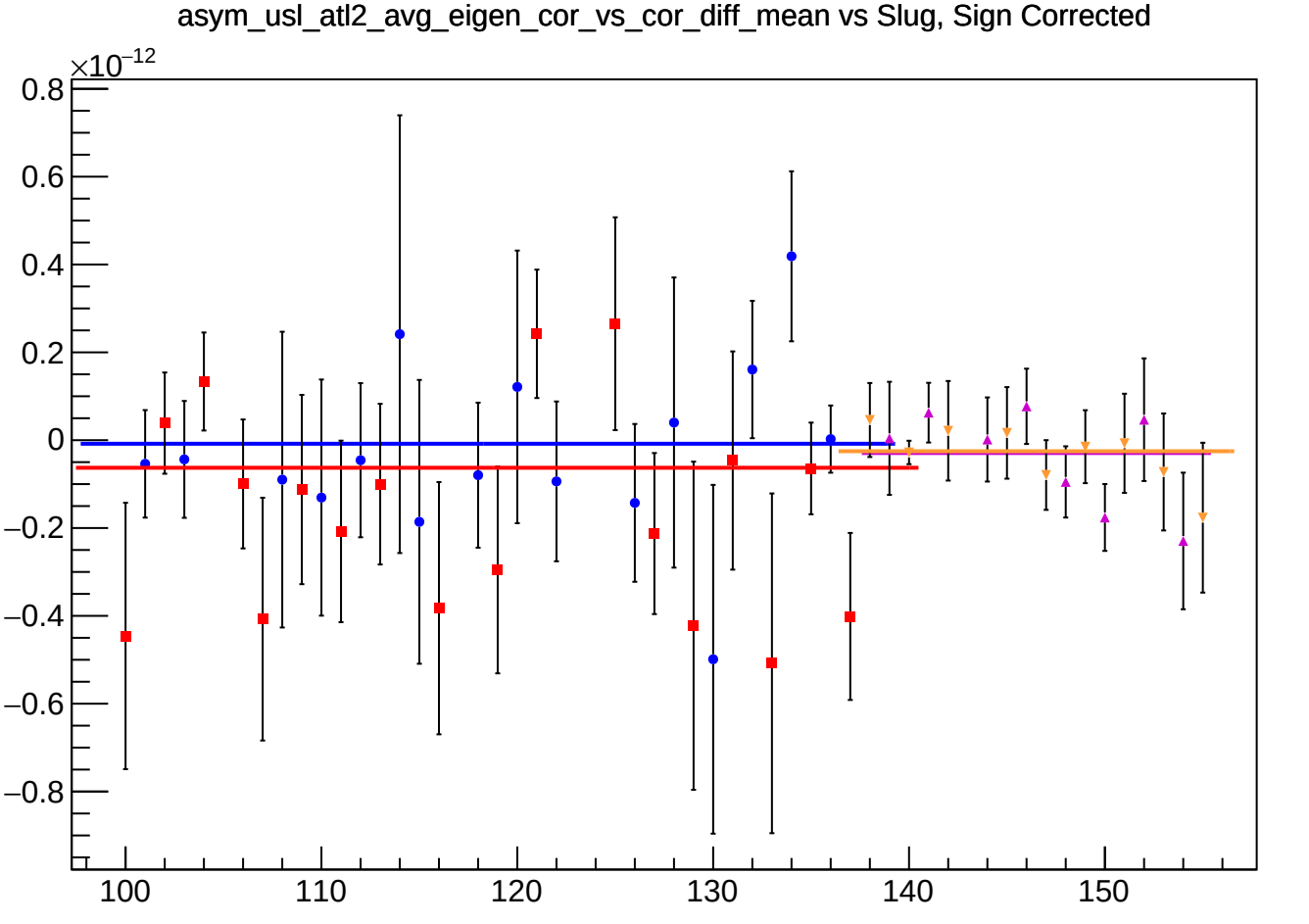
Left: 342.569+/-0.067 χ^2/NDF: 925379.9/16

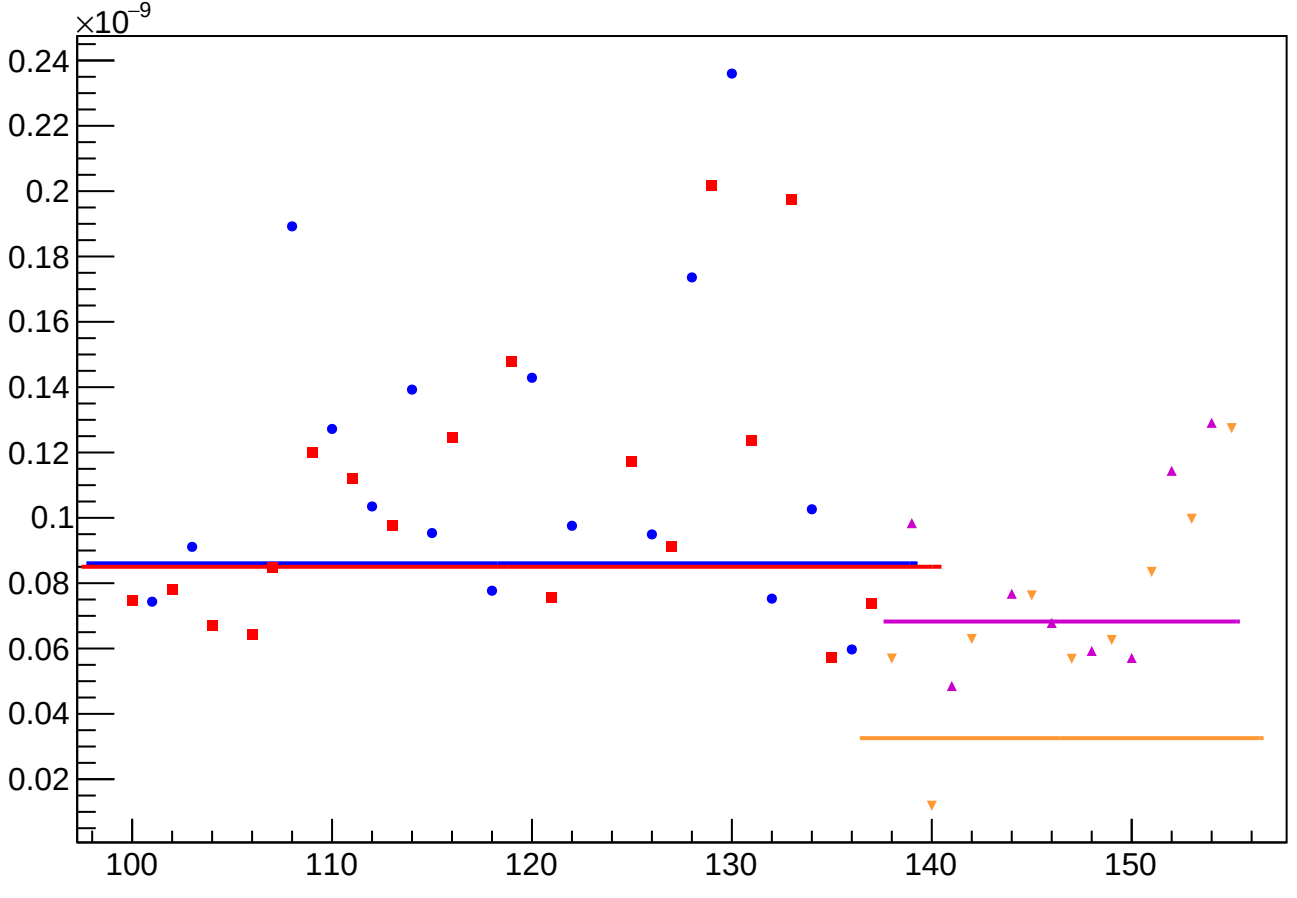
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 166.409+/-0.035 χ^2/NDF:5064301.3/23

Out: 158.690+/-0.035 χ^2/NDF:5881062.6/26

All: 162.474+/-0.025 χ^2/NDF: 10969665.3/50


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:2.5/8
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: -0.000+/-0.000 χ²/NDF:9.9/7
Left: -0.000+/-0.000 χ²/NDF: 12.3/16
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:19.8/23
Out: -0.000+/-0.000 χ²/NDF:25.3/26
All: -0.000+/-0.000 χ²/NDF: 45.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3847152.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:885966.5/7

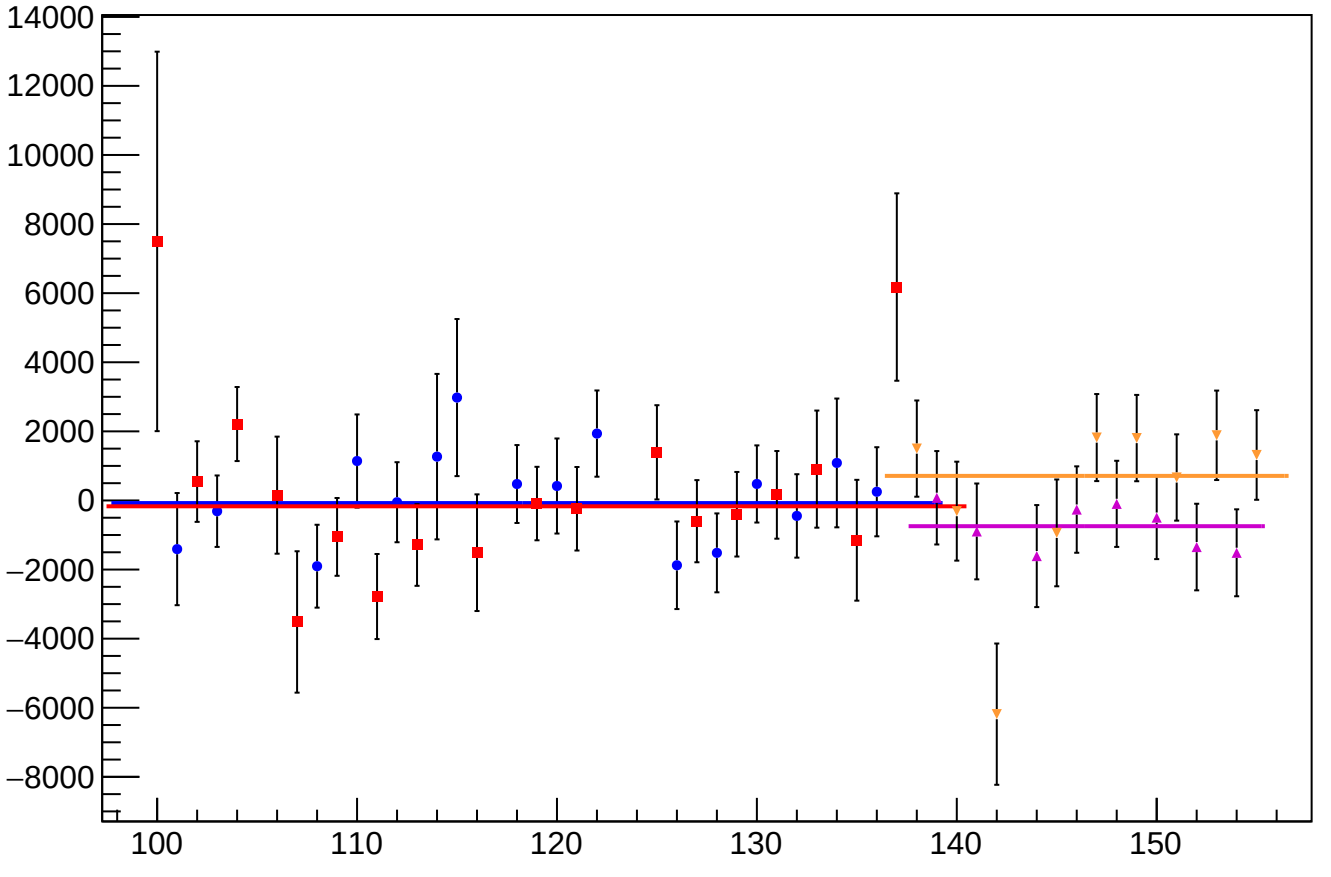
Left: 0.000+/-0.000 χ^2/NDF: 6408157.2/16

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:2179290.7/23

Out: 0.000+/-0.000 χ^2/NDF:7333526.8/26

All: 0.000+/-0.000 χ^2/NDF: 11425359.2/50



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 711.166+/-458.153 χ^2/NDF:15.9/8

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -744.885+/-457.900 χ^2/NDF:1.8/7

Left: -17.261+/-323.873 χ^2/NDF: 22.8/16

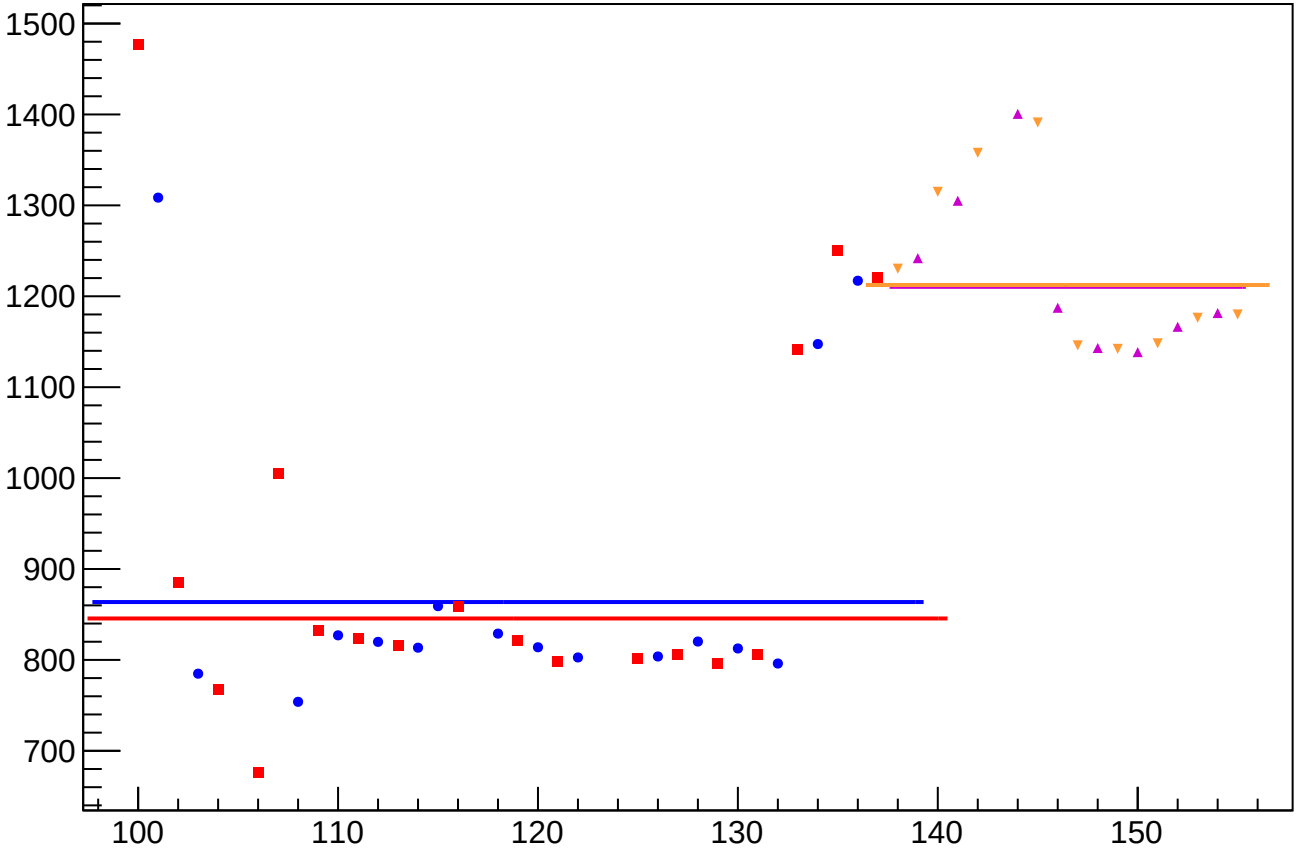
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -301.164+/-265.693 χ^2/NDF:16.6/23

Out: 121.576+/-263.348 χ^2/NDF:42.8/26

All: -87.921+/-187.039 χ^2/NDF: 60.6/50

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1212.409+/-0.324 χ^2/NDF:67393.7/8

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1210.360+/-0.324 χ^2/NDF:60782.7/7

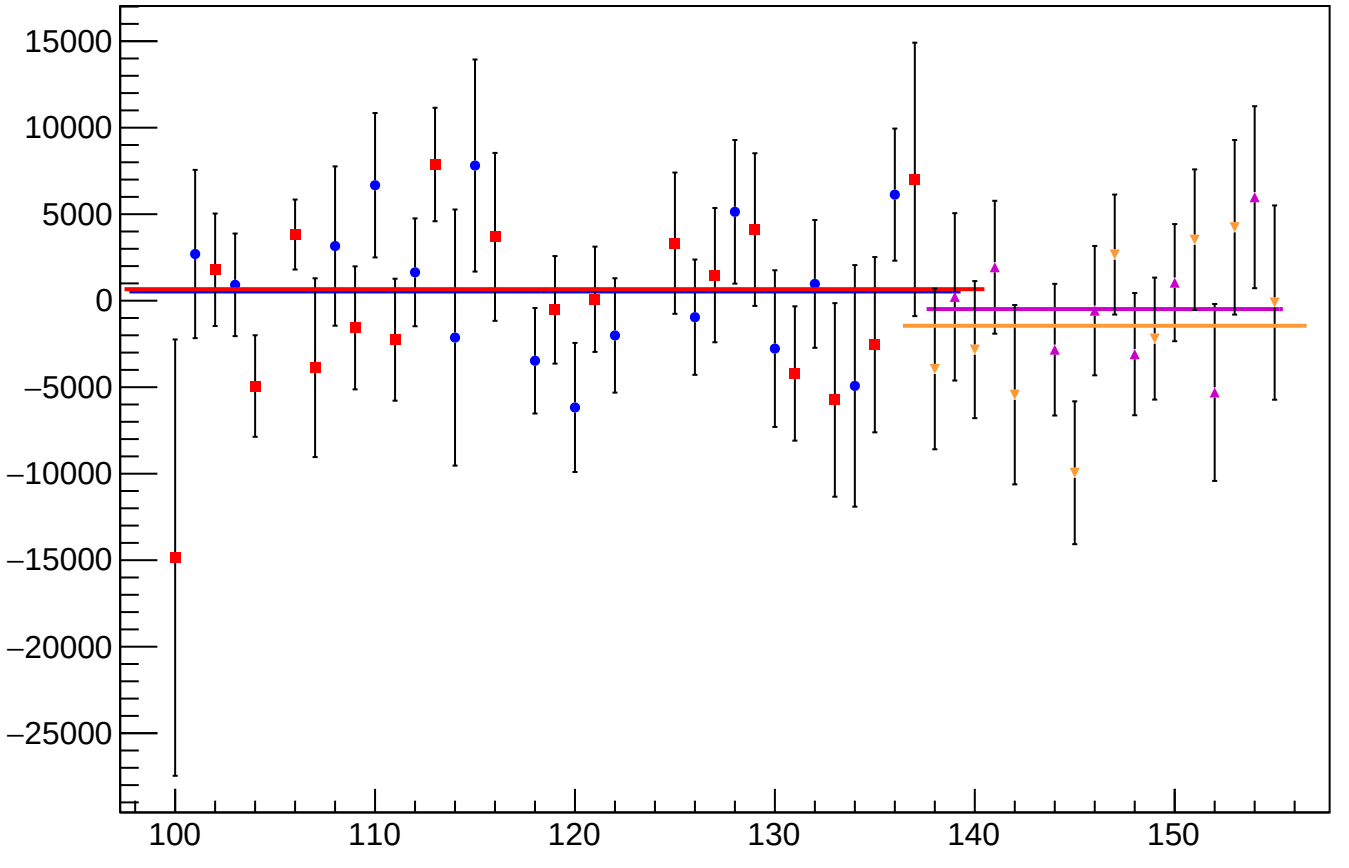
Left: 1211.384+/-0.229 χ^2/NDF: 128196.4/16

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 980.388+/-0.188 χ^2/NDF:1228809.1/23

Out: 964.770+/-0.185 χ^2/NDF:1240721.4/26

All: 972.445+/-0.132 χ^2/NDF: 2473045.7/50



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -1449.820+/-1412.796 χ^2/NDF:9.5/8

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -484.826+/-1424.340 χ^2/NDF:3.9/7

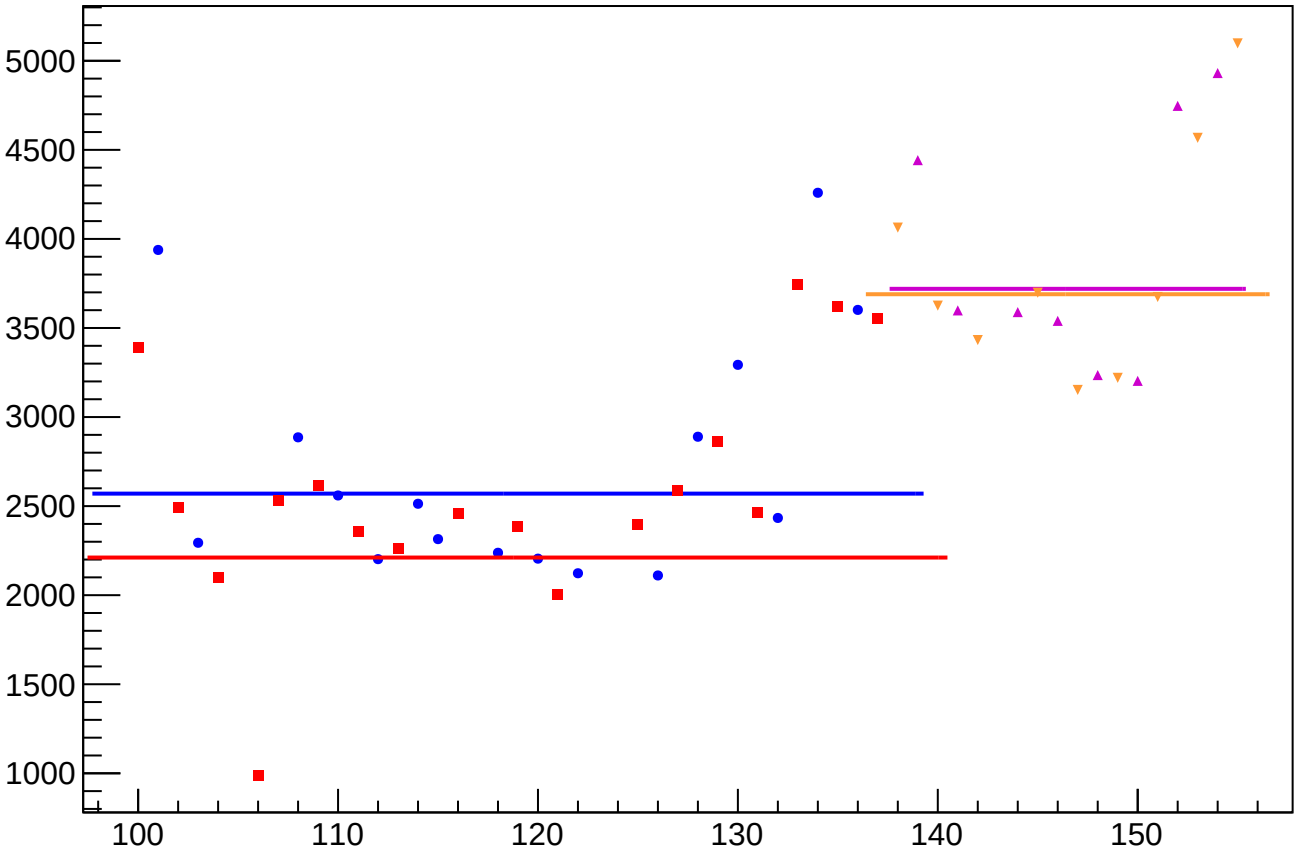
Left: -971.249+/-1003.054 χ^2/NDF: 13.7/16

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 206.414+/-808.079 χ^2/NDF:18.9/23

Out: 89.051+/-737.693 χ^2/NDF:31.1/26

All: 142.400+/-544.815 χ^2/NDF: 50.1/50



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3689.519+/-0.999 χ^2/NDF:288234.2/8

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3719.844+/-1.007 χ^2/NDF:324527.9/7

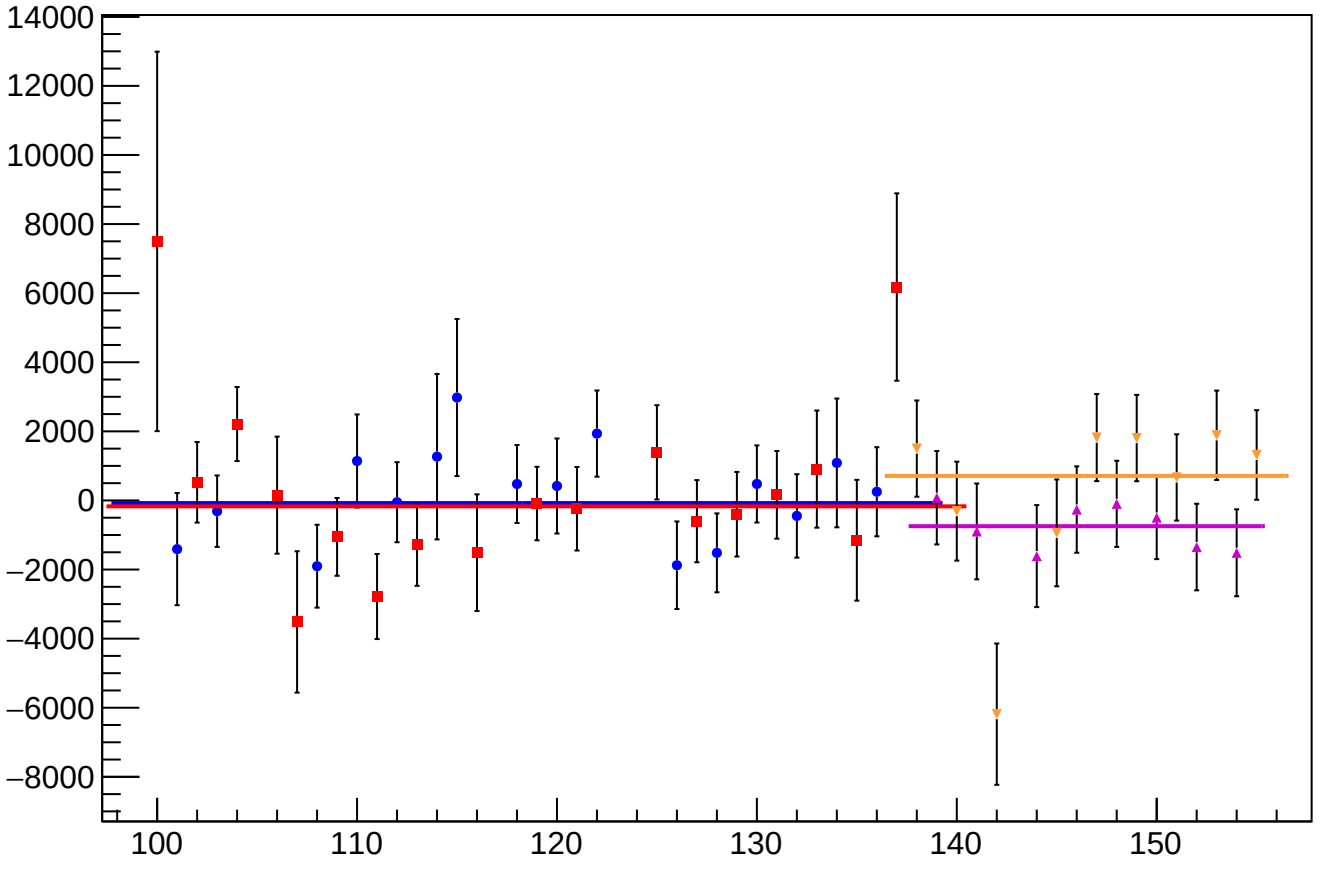
Left: 3704.558+/-0.709 χ^2/NDF: 613219.1/16

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 2940.192+/-0.571 χ^2/NDF:1870678.8/23

Out: 2614.301+/-0.522 χ^2/NDF:3144953.7/26

All: 2762.438+/-0.385 χ^2/NDF: 5193056.8/50



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 711.113+/-458.153 χ^2/NDF:15.9/8

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -744.923+/-457.900 χ^2/NDF:1.8/7

Left: -17.307+/-323.873 χ^2/NDF: 22.8/16

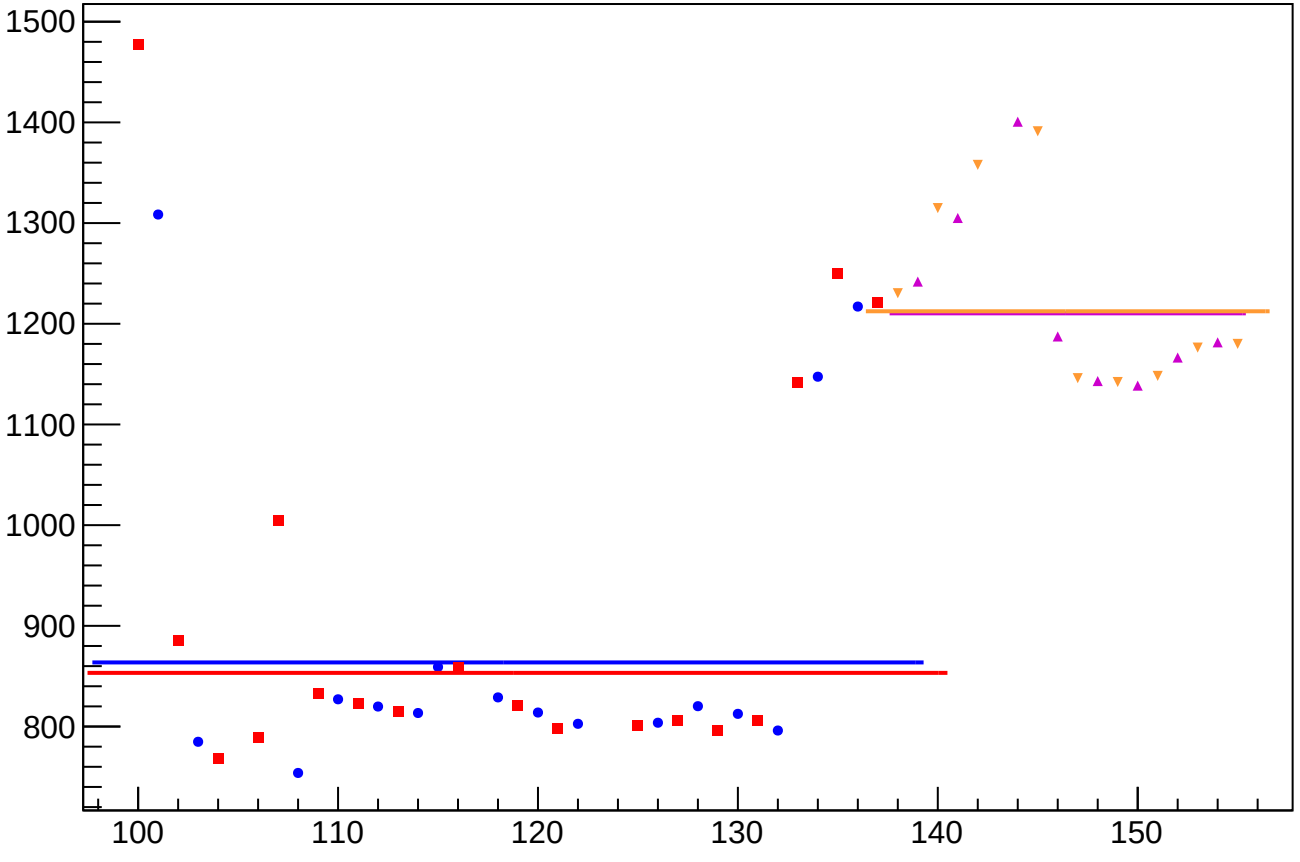
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -301.229+/-265.693 χ^2/NDF:16.6/23

Out: 120.468+/-263.351 χ^2/NDF:42.8/26

All: -88.513+/-187.040 χ^2/NDF: 60.6/50

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1212.409+/-0.324 χ^2/NDF:67393.7/8

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1210.360+/-0.324 χ^2/NDF:60782.7/7

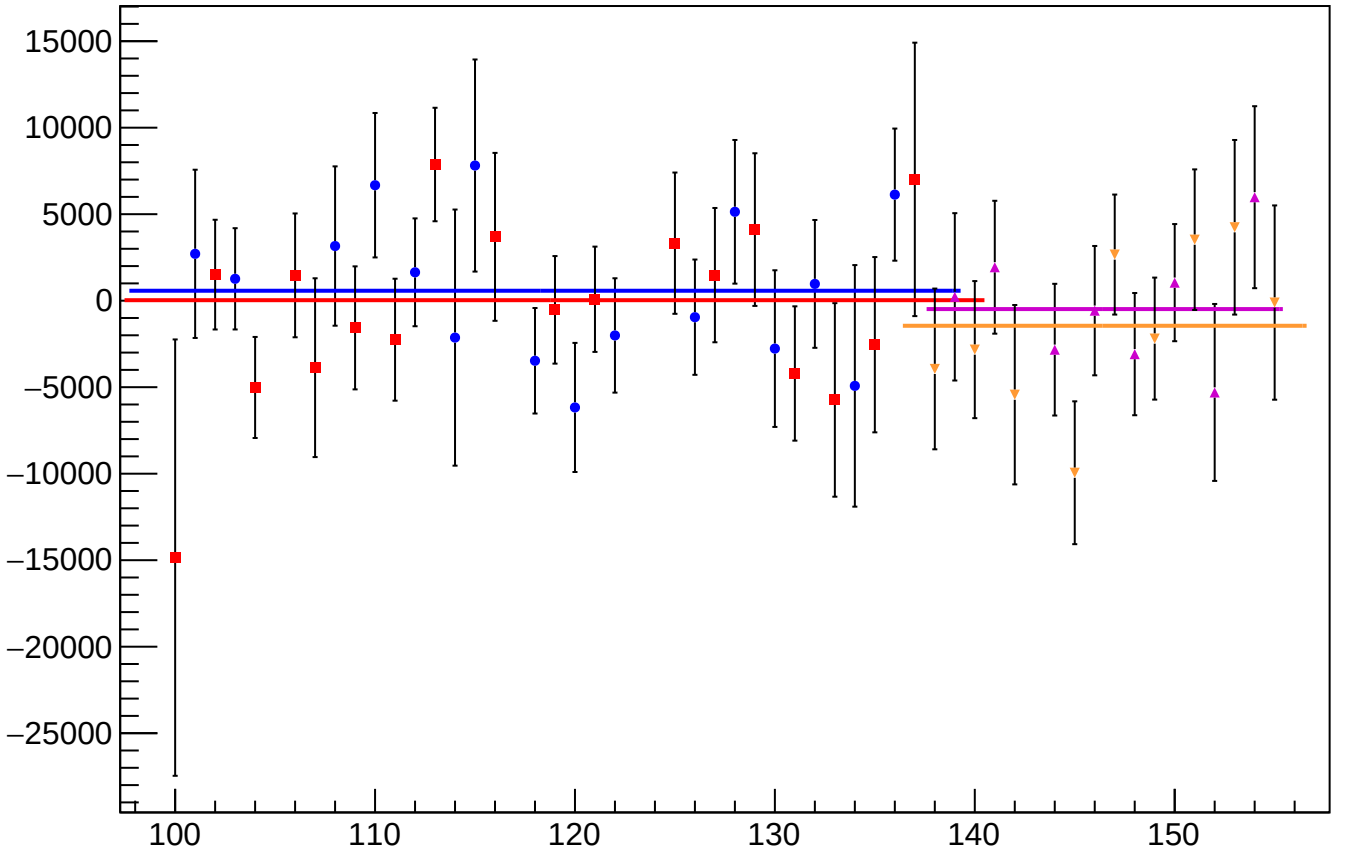
Left: 1211.384+/-0.229 χ^2/NDF: 128196.4/16

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 980.388+/-0.188 χ^2/NDF:1228809.1/23

Out: 971.124+/-0.186 χ^2/NDF:1168368.3/26

All: 975.699+/-0.132 χ^2/NDF: 2398408.3/50



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -1449.877+/-1412.796 χ^2/NDF:9.5/8

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -484.861+/-1424.337 χ^2/NDF:3.9/7

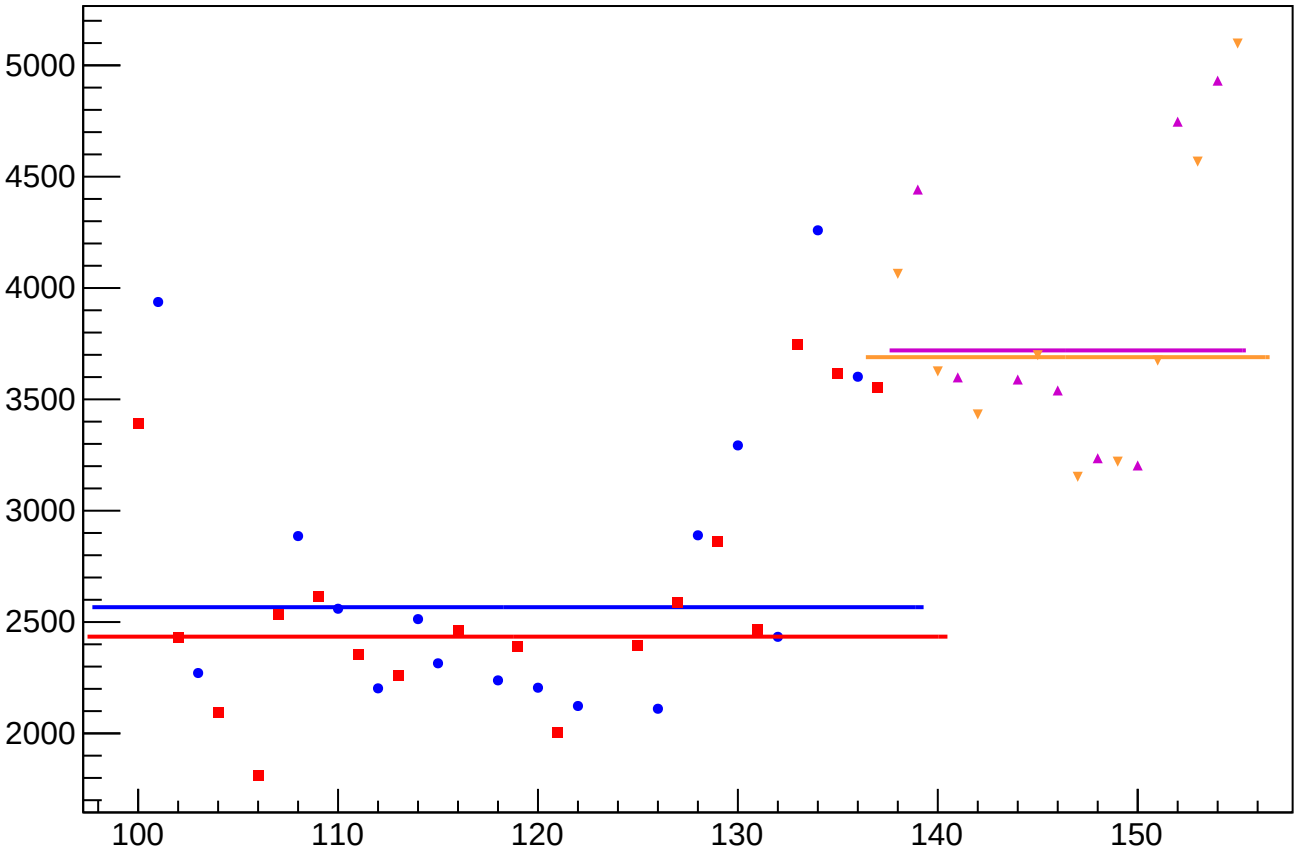
Left: -971.295+/-1003.053 χ^2/NDF: 13.7/16

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 234.513+/-807.277 χ^2/NDF:19.0/23

Out: -413.075+/-772.191 χ^2/NDF:27.5/26

All: -103.659+/-558.013 χ^2/NDF: 46.8/50



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3689.518+/-0.999 χ^2/NDF:288232.2/8

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3719.838+/-1.007 χ^2/NDF:324526.9/7

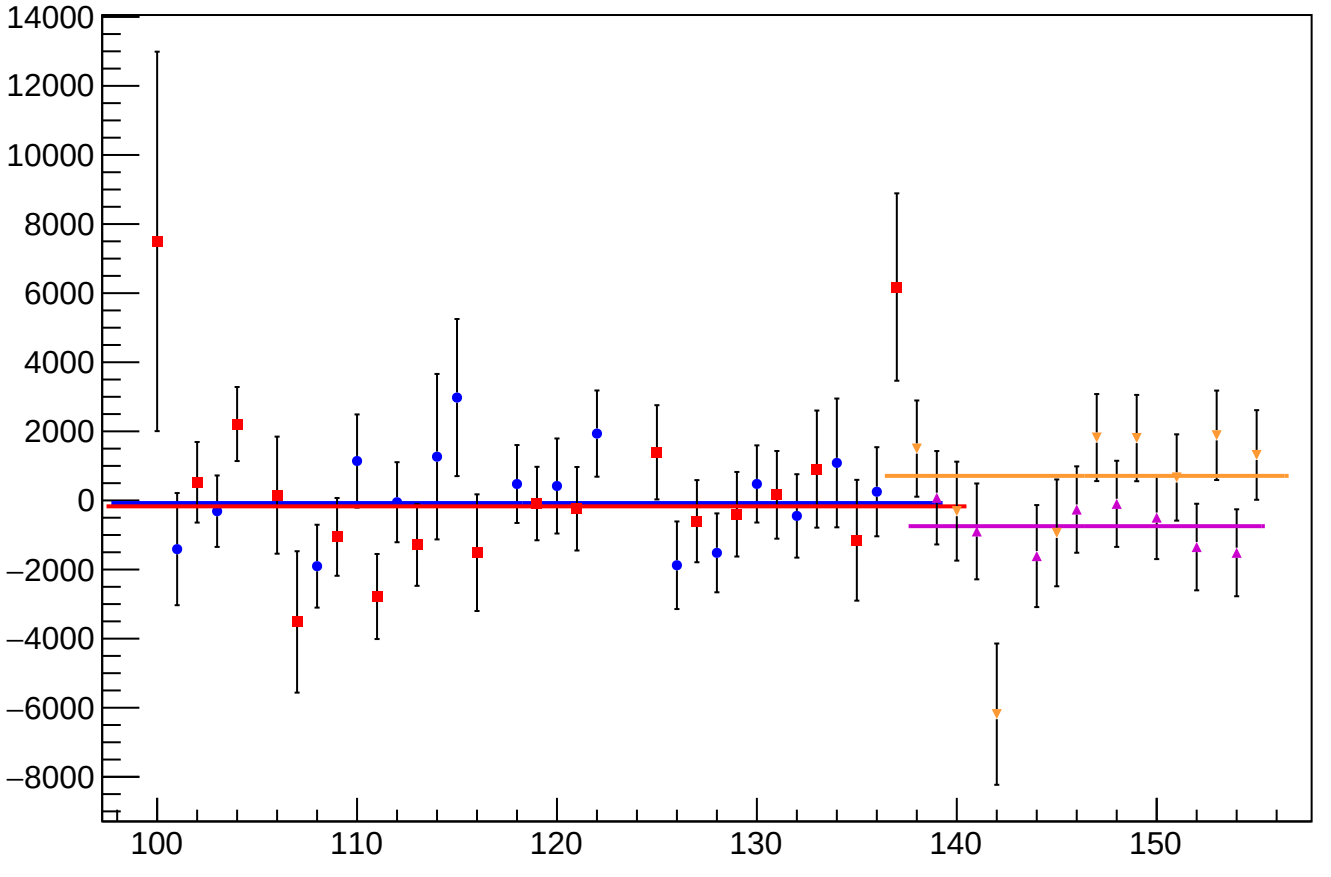
Left: 3704.555+/-0.709 χ^2/NDF: 613215.9/16

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2937.148+/-0.571 χ^2/NDF:1880139.7/23

Out: 2809.373+/-0.546 χ^2/NDF:1829188.6/26

All: 2870.424+/-0.395 χ^2/NDF: 3735492.7/50



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 711.113+/-458.153 χ^2/NDF:15.9/8

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -744.923+/-457.900 χ^2/NDF:1.8/7

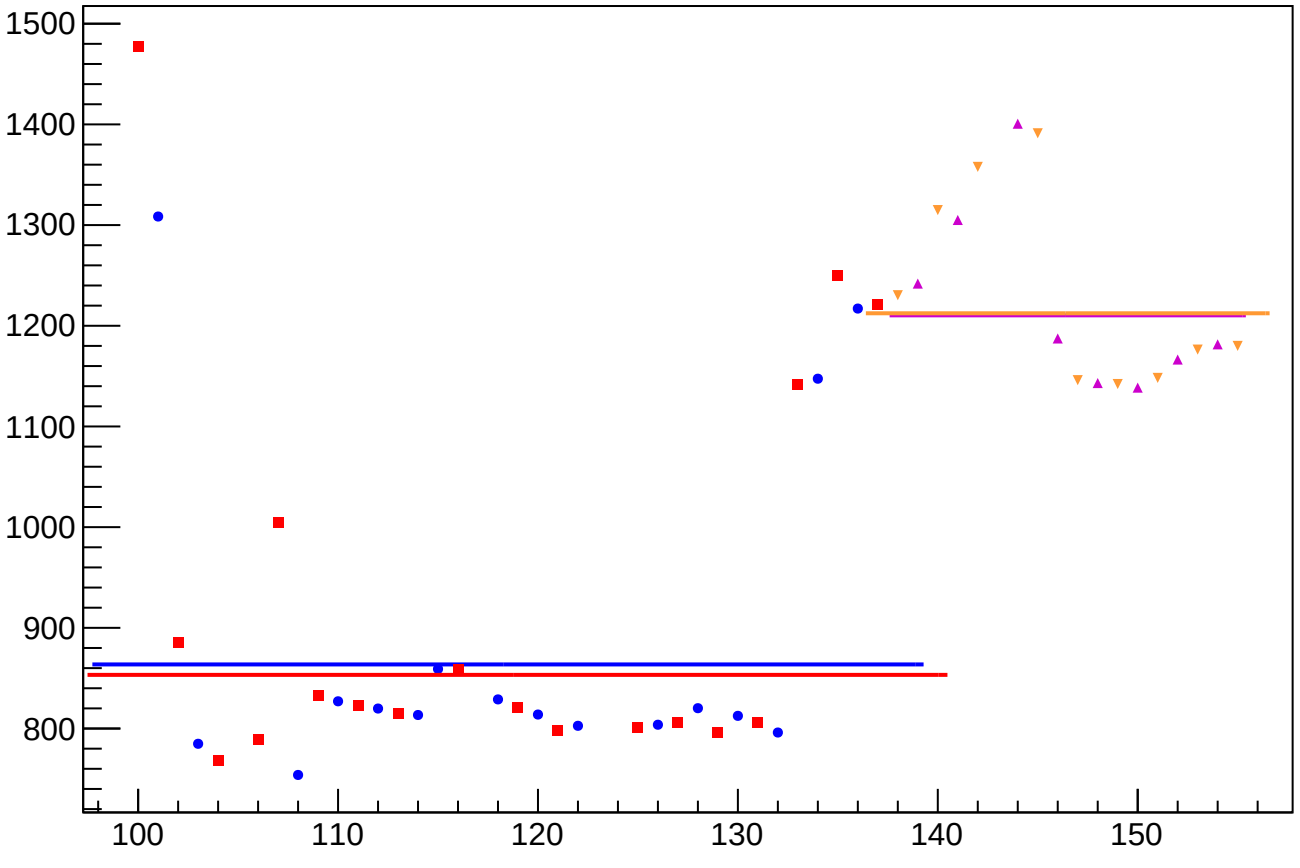
Left: -17.307+/-323.873 χ^2/NDF: 22.8/16

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -301.229+/-265.693 χ^2/NDF:16.6/23

Out: 120.468+/-263.351 χ^2/NDF:42.8/26

All: -88.513+/-187.040 χ^2/NDF: 60.6/50



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1212.409+/-0.324 χ^2/NDF:67393.7/8

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1210.360+/-0.324 χ^2/NDF:60782.7/7

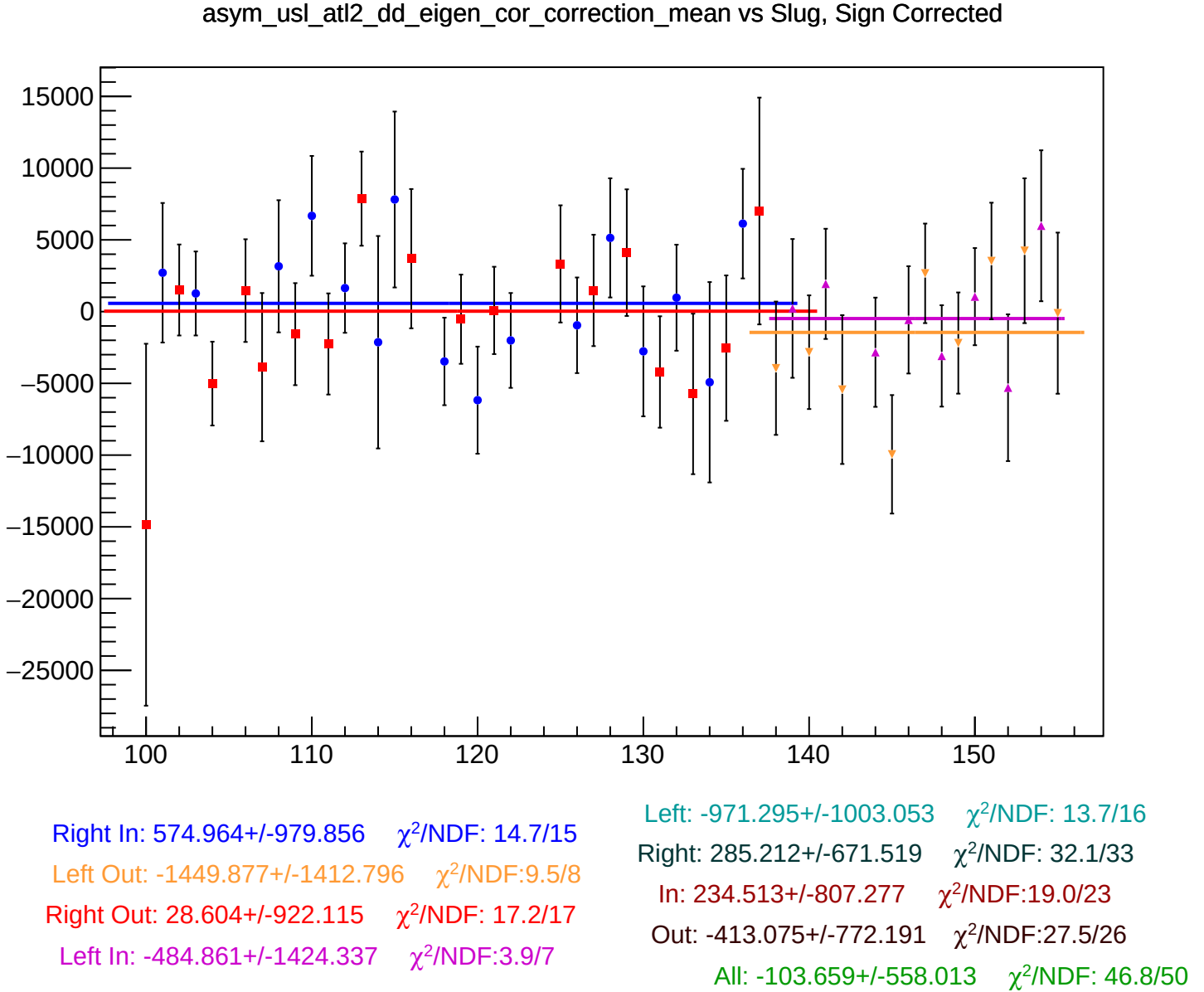
Left: 1211.384+/-0.229 χ^2/NDF: 128196.4/16

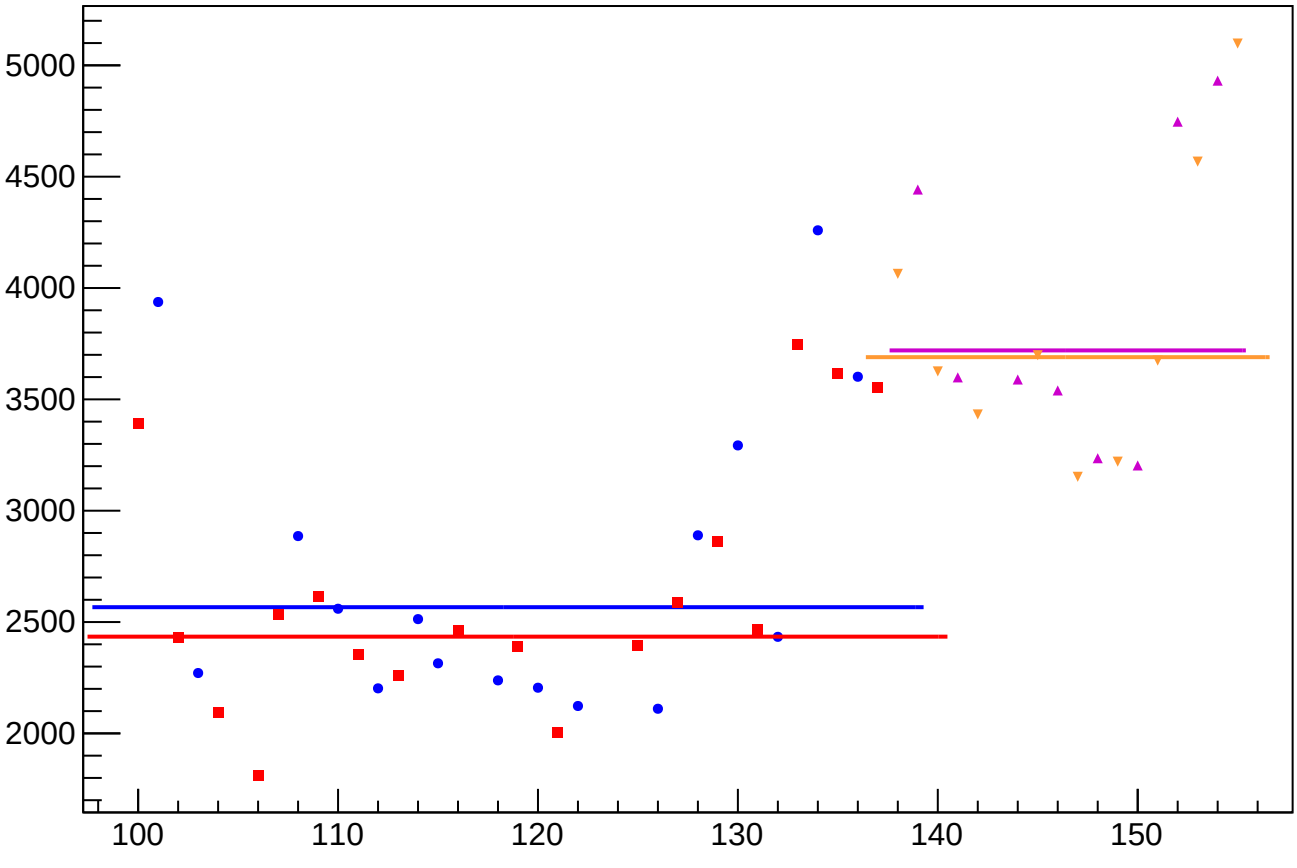
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 980.388+/-0.188 χ^2/NDF:1228809.1/23

Out: 971.124+/-0.186 χ^2/NDF:1168368.3/26

All: 975.699+/-0.132 χ^2/NDF: 2398408.3/50


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: -1449.877+/-1412.796 χ²/NDF:9.5/8
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -484.861+/-1424.337 χ²/NDF:3.9/7
Left: -971.295+/-1003.053 χ²/NDF: 13.7/16
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: 234.513+/-807.277 χ²/NDF:19.0/23
Out: -413.075+/-772.191 χ²/NDF:27.5/26
All: -103.659+/-558.013 χ²/NDF: 46.8/50



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3689.518+/-0.999 χ^2/NDF:288232.2/8

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3719.838+/-1.007 χ^2/NDF:324526.9/7

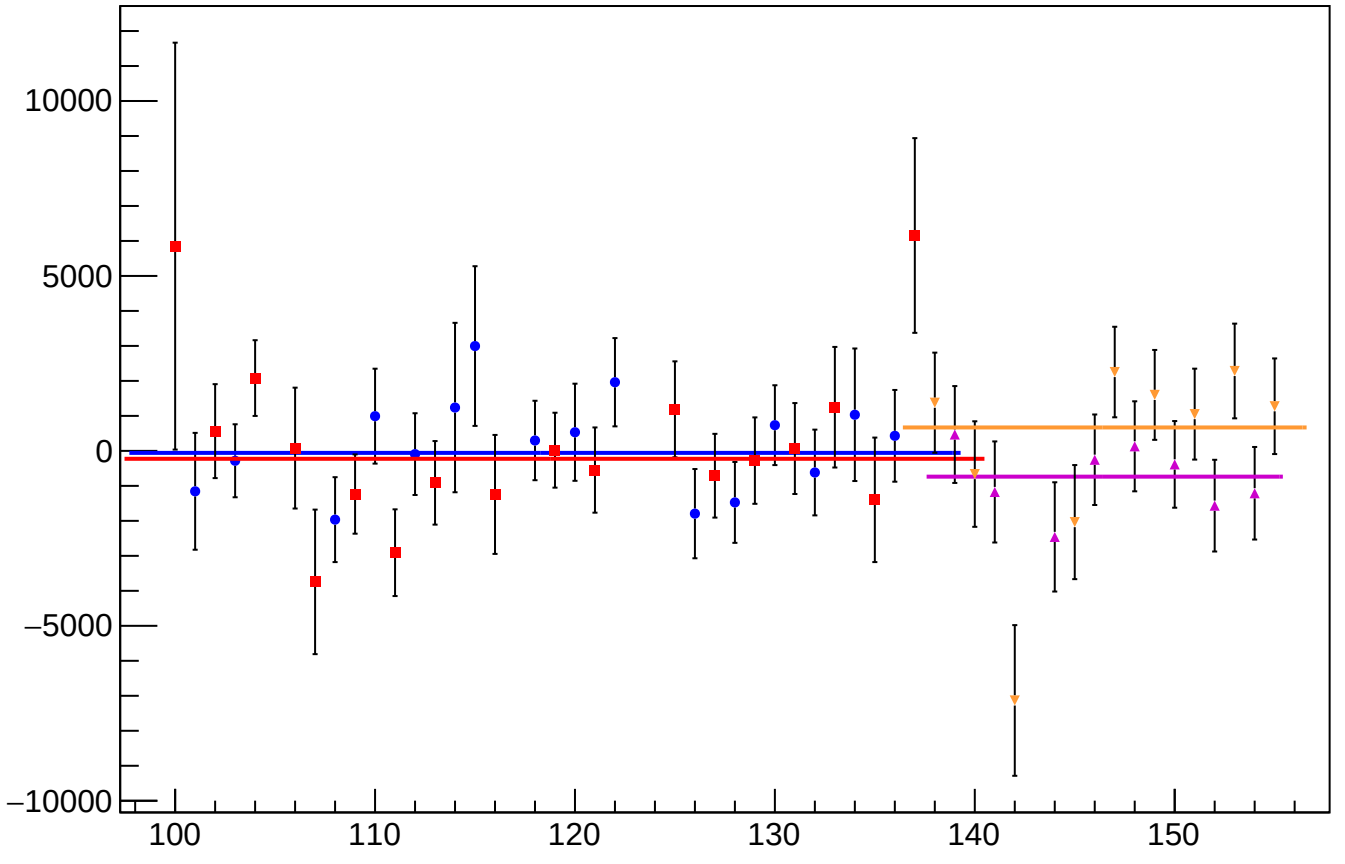
Left: 3704.555+/-0.709 χ^2/NDF: 613215.9/16

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2937.148+/-0.571 χ^2/NDF:1880139.7/23

Out: 2809.373+/-0.546 χ^2/NDF:1829188.6/26

All: 2870.424+/-0.395 χ^2/NDF: 3735492.7/50



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 669.577+/-476.927 χ^2/NDF:20.6/8

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -736.524+/-475.744 χ^2/NDF:3.3/7

Left: -35.220+/-336.819 χ^2/NDF: 28.3/16

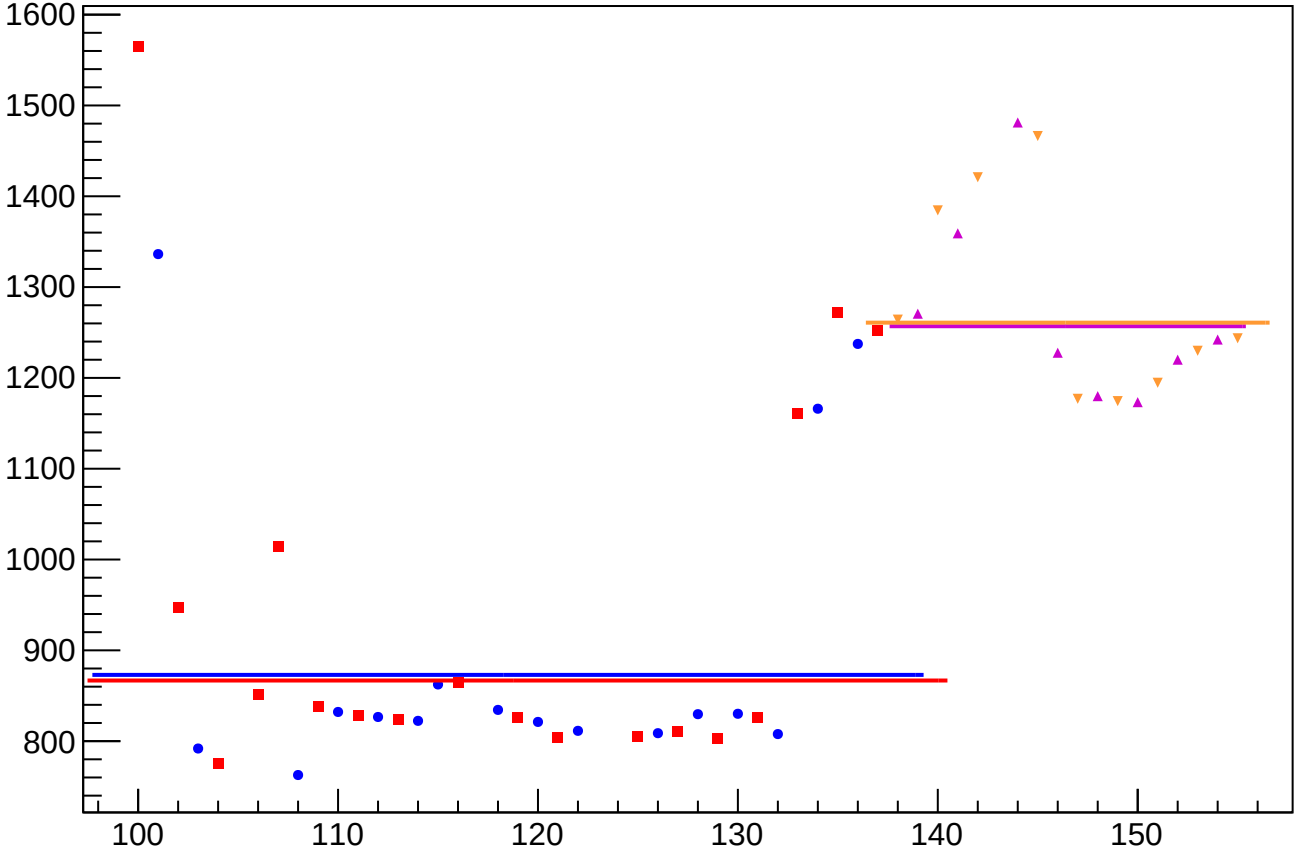
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -277.963+/-271.202 χ^2/NDF:17.6/23

Out: 61.605+/-270.294 χ^2/NDF:45.9/26

All: -107.610+/-191.447 χ^2/NDF: 64.4/50

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1260.842+/-0.337 χ^2/NDF:80281.6/8

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1256.902+/-0.336 χ^2/NDF:70641.3/7

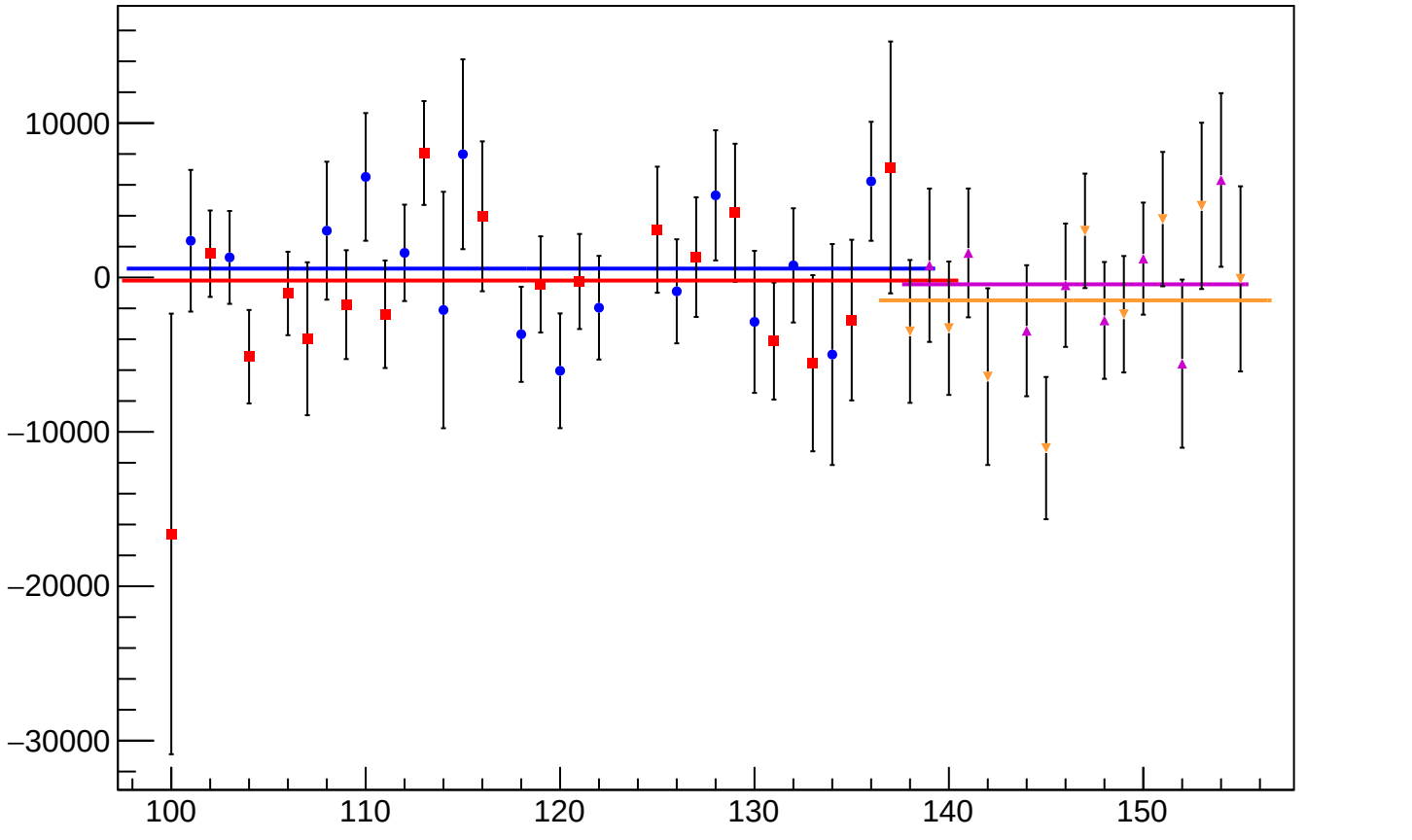
Left: 1258.867+/-0.238 χ^2/NDF: 150991.3/16

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 997.736+/-0.192 χ^2/NDF:1366993.5/23

Out: 993.176+/-0.191 χ^2/NDF:1298124.7/26

All: 995.447+/-0.135 χ^2/NDF: 2665402.0/50



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -1481.531+/-1514.087 χ^2/NDF:9.8/8

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -442.422+/-1529.769 χ^2/NDF:3.7/7

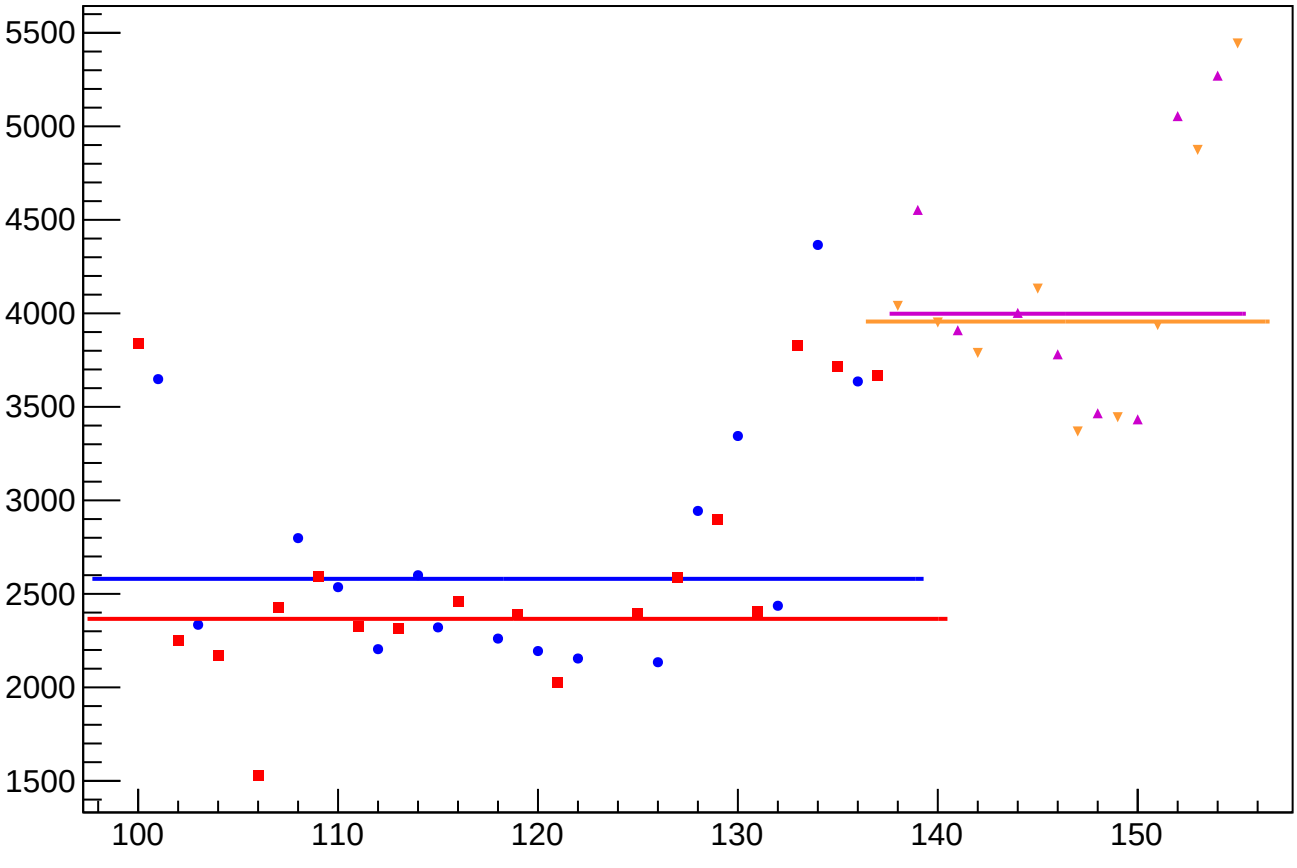
Left: -967.330+/-1076.123 χ^2/NDF: 13.7/16

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 277.051+/-828.106 χ^2/NDF:18.7/23

Out: -529.839+/-769.899 χ^2/NDF:27.5/26

All: -155.746+/-563.856 χ^2/NDF: 46.7/50



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3956.264+/-1.071 χ^2/NDF:273588.2/8

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 3997.999+/-1.082 χ^2/NDF:297647.1/7

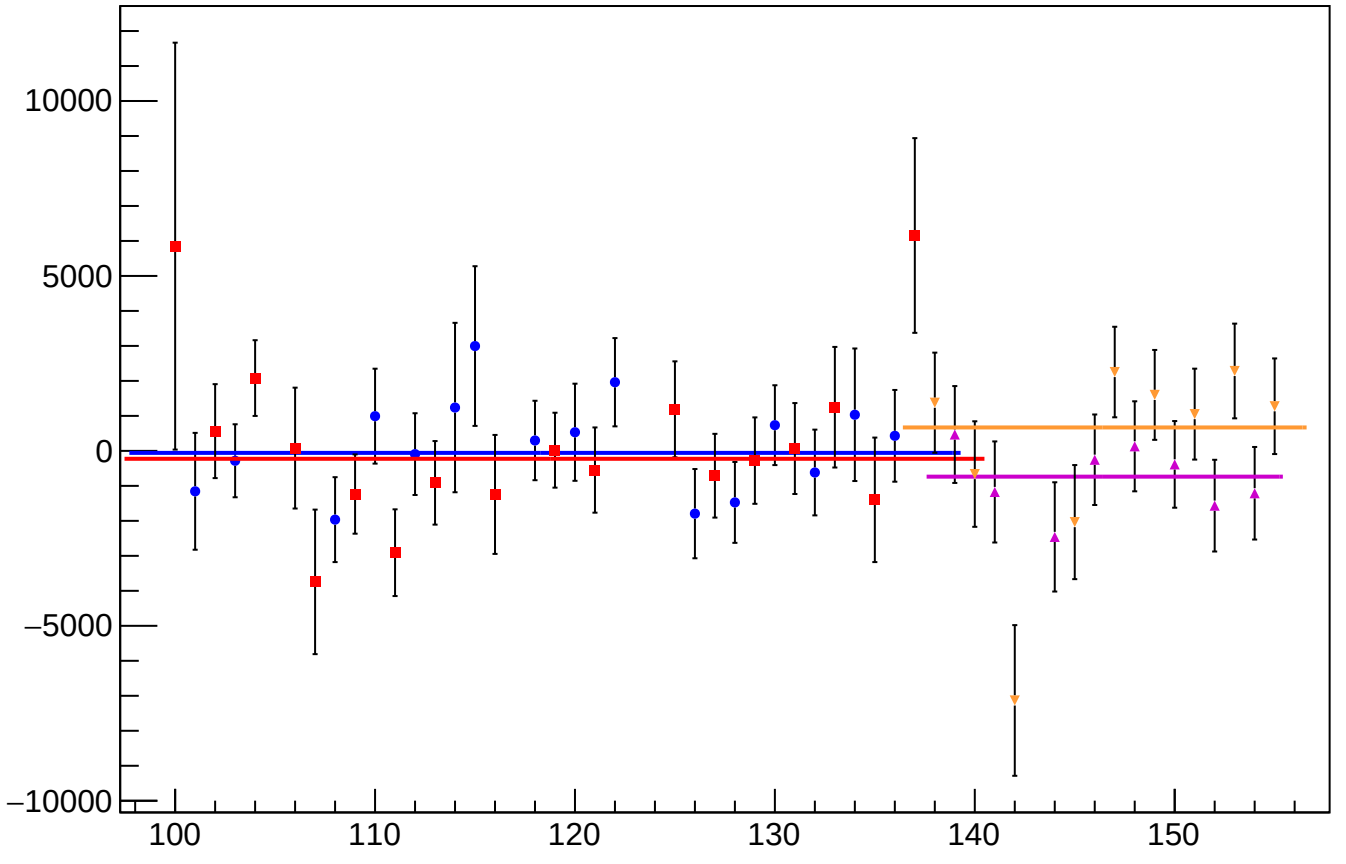
Left: 3976.917+/-0.761 χ^2/NDF: 571987.2/16

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 2995.790+/-0.586 χ^2/NDF:2129022.2/23

Out: 2777.489+/-0.544 χ^2/NDF:2520278.7/26

All: 2878.698+/-0.399 χ^2/NDF: 4723849.7/50



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 669.570+/-476.927 χ^2/NDF:20.6/8

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -736.523+/-475.744 χ^2/NDF:3.3/7

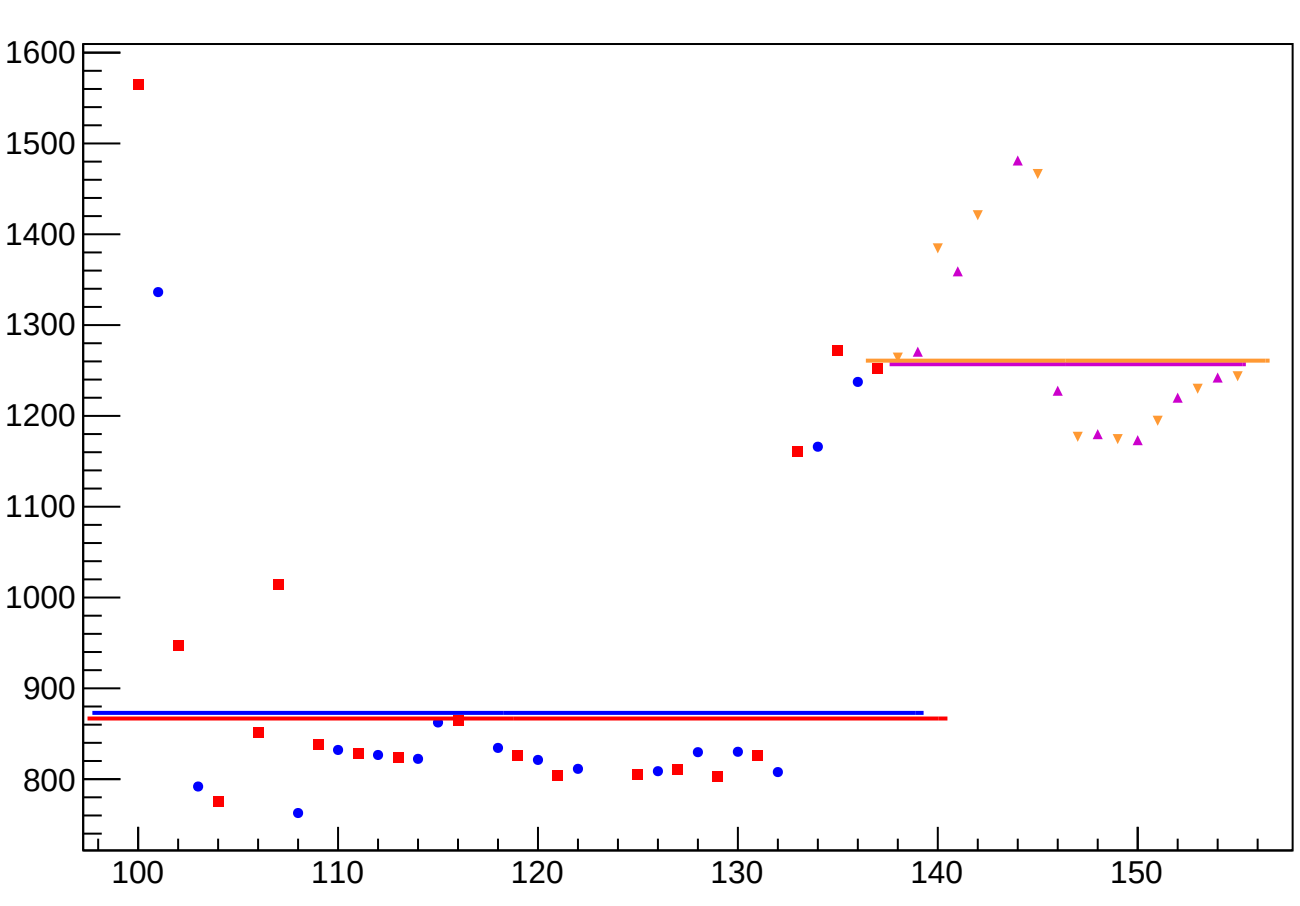
Left: -35.222+/-336.819 χ^2/NDF: 28.3/16

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -277.964+/-271.202 χ^2/NDF:17.6/23

Out: 61.601+/-270.294 χ^2/NDF:45.9/26

All: -107.613+/-191.447 χ^2/NDF: 64.4/50



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1260.843+/-0.337 χ^2/NDF:80282.8/8

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1256.903+/-0.336 χ^2/NDF:70642.0/7

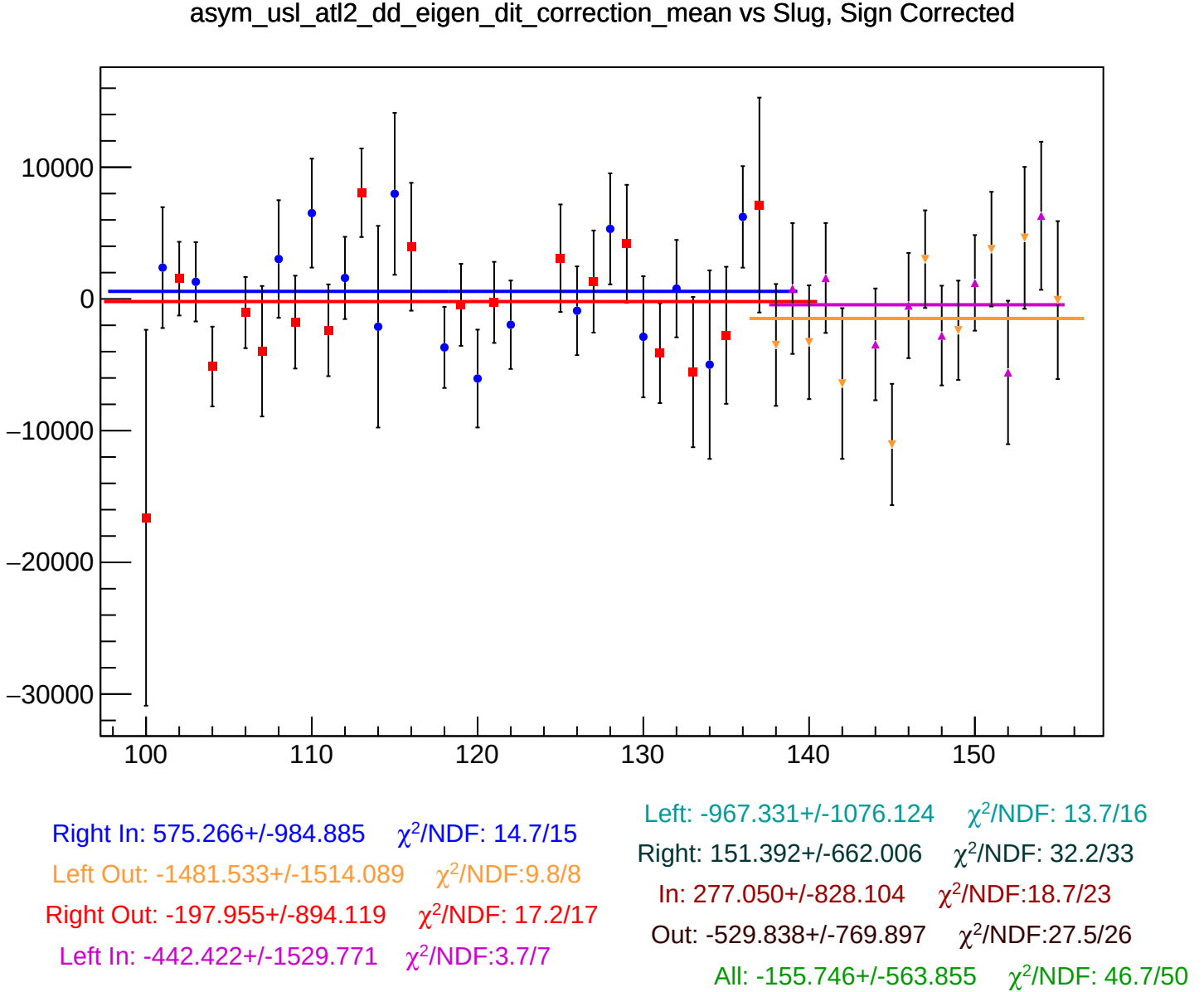
Left: 1258.868+/-0.238 χ^2/NDF: 150993.3/16

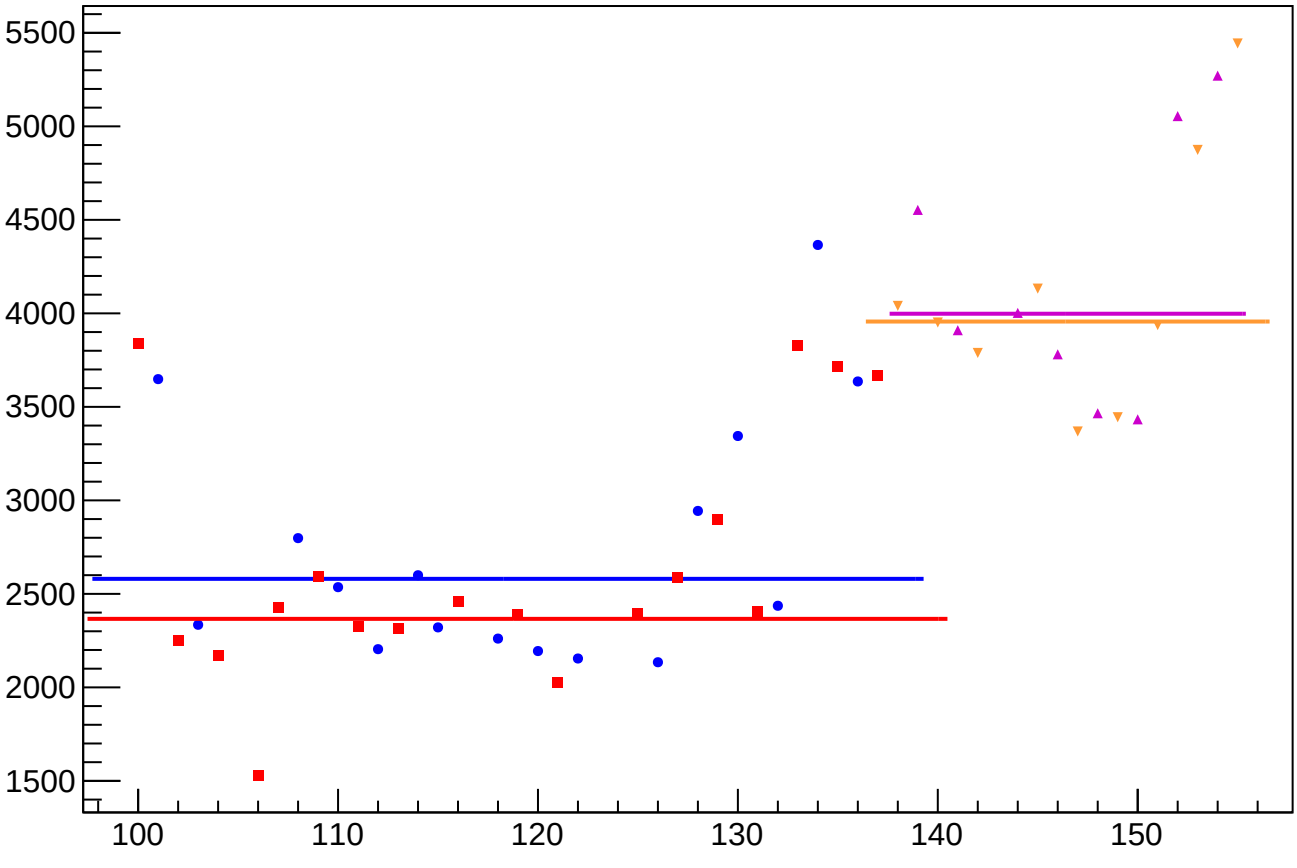
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 997.736+/-0.192 χ^2/NDF:1366997.8/23

Out: 993.176+/-0.191 χ^2/NDF:1298129.9/26

All: 995.447+/-0.135 χ^2/NDF: 2665411.5/50


asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 575.266+/-984.885 χ²/NDF: 14.7/15
Left Out: -1481.533+/-1514.089 χ²/NDF:9.8/8
Right Out: -197.955+/-894.119 χ²/NDF: 17.2/17
Left In: -442.422+/-1529.771 χ²/NDF:3.7/7
Left: -967.331+/-1076.124 χ²/NDF: 13.7/16
Right: 151.392+/-662.006 χ²/NDF: 32.2/33
In: 277.050+/-828.104 χ²/NDF:18.7/23
Out: -529.838+/-769.897 χ²/NDF:27.5/26
All: -155.746+/-563.855 χ²/NDF: 46.7/50



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3956.270+/-1.071 χ^2/NDF:273590.7/8

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 3998.004+/-1.082 χ^2/NDF:297650.3/7

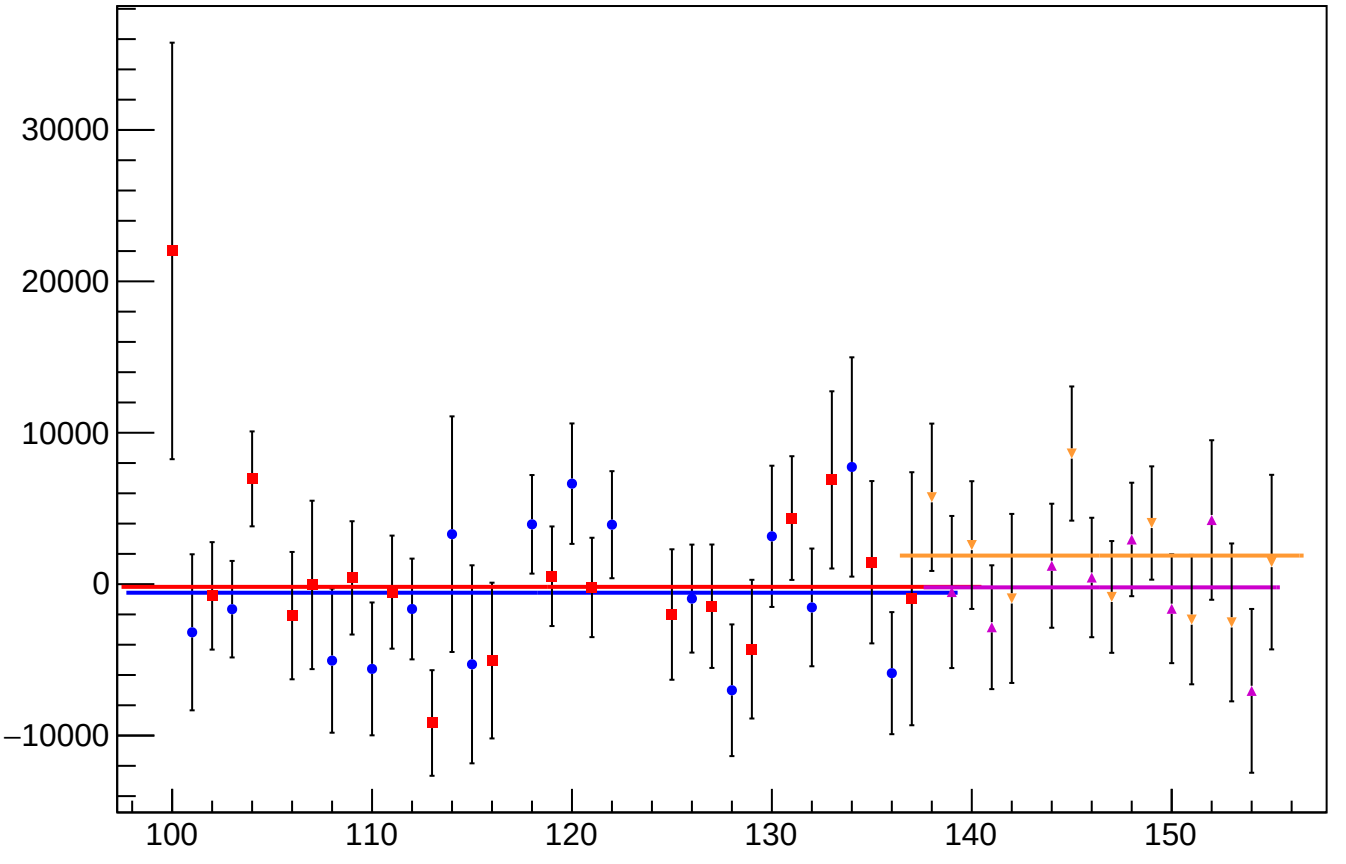
Left: 3976.922+/-0.761 χ^2/NDF: 571992.9/16

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 2995.783+/-0.586 χ^2/NDF:2129054.9/23

Out: 2777.482+/-0.544 χ^2/NDF:2520308.7/26

All: 2878.692+/-0.399 χ^2/NDF: 4723912.0/50



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 1887.688+/-1494.261 χ^2/NDF:5.8/8

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -211.362+/-1504.068 χ^2/NDF:3.7/7

Left: 845.029+/-1060.052 χ^2/NDF: 10.5/16

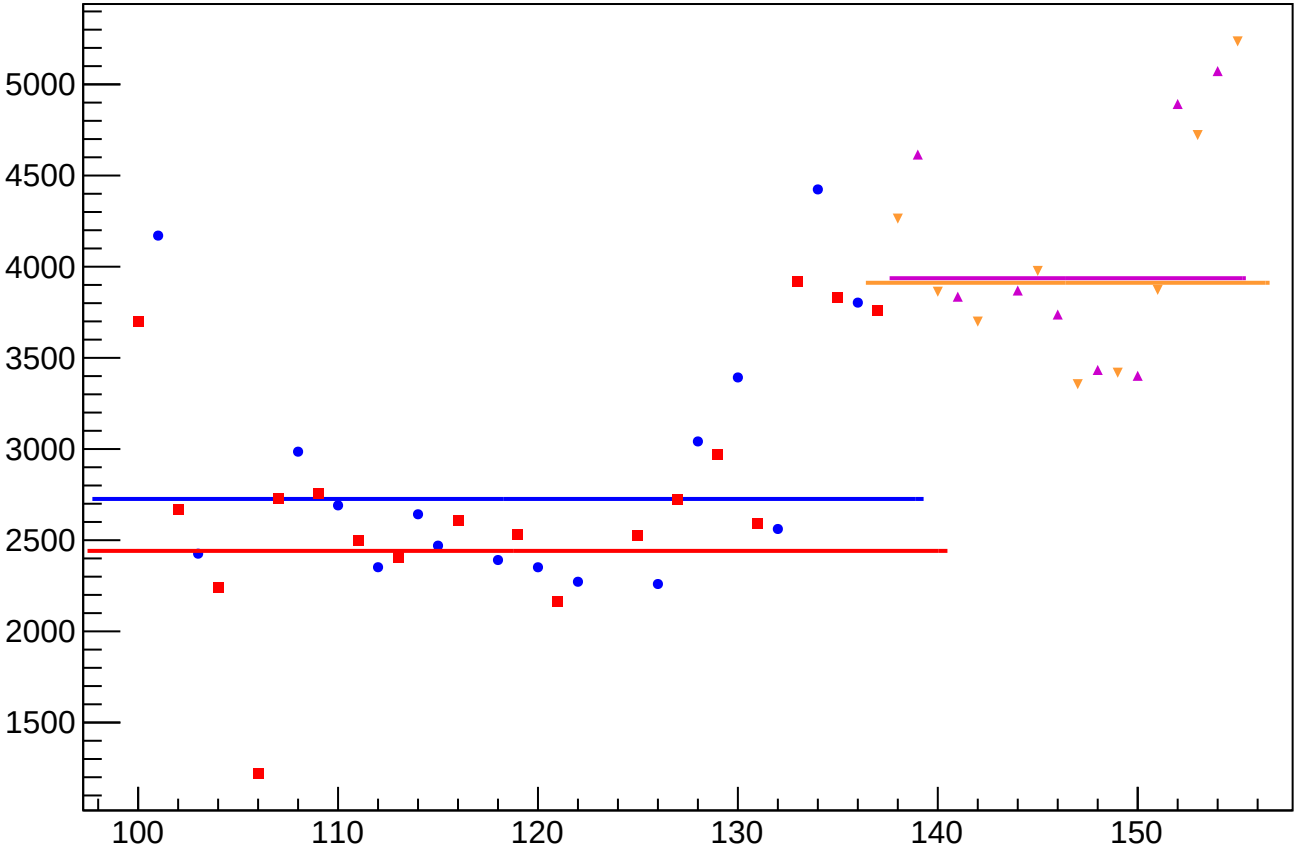
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -451.306+/-855.594 χ^2/NDF:20.0/23

Out: 450.308+/-824.368 χ^2/NDF:26.6/26

All: 16.254+/-593.649 χ^2/NDF: 47.2/50

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3911.858+/-1.057 χ^2/NDF:248096.5/8

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 3936.878+/-1.064 χ^2/NDF:277670.3/7

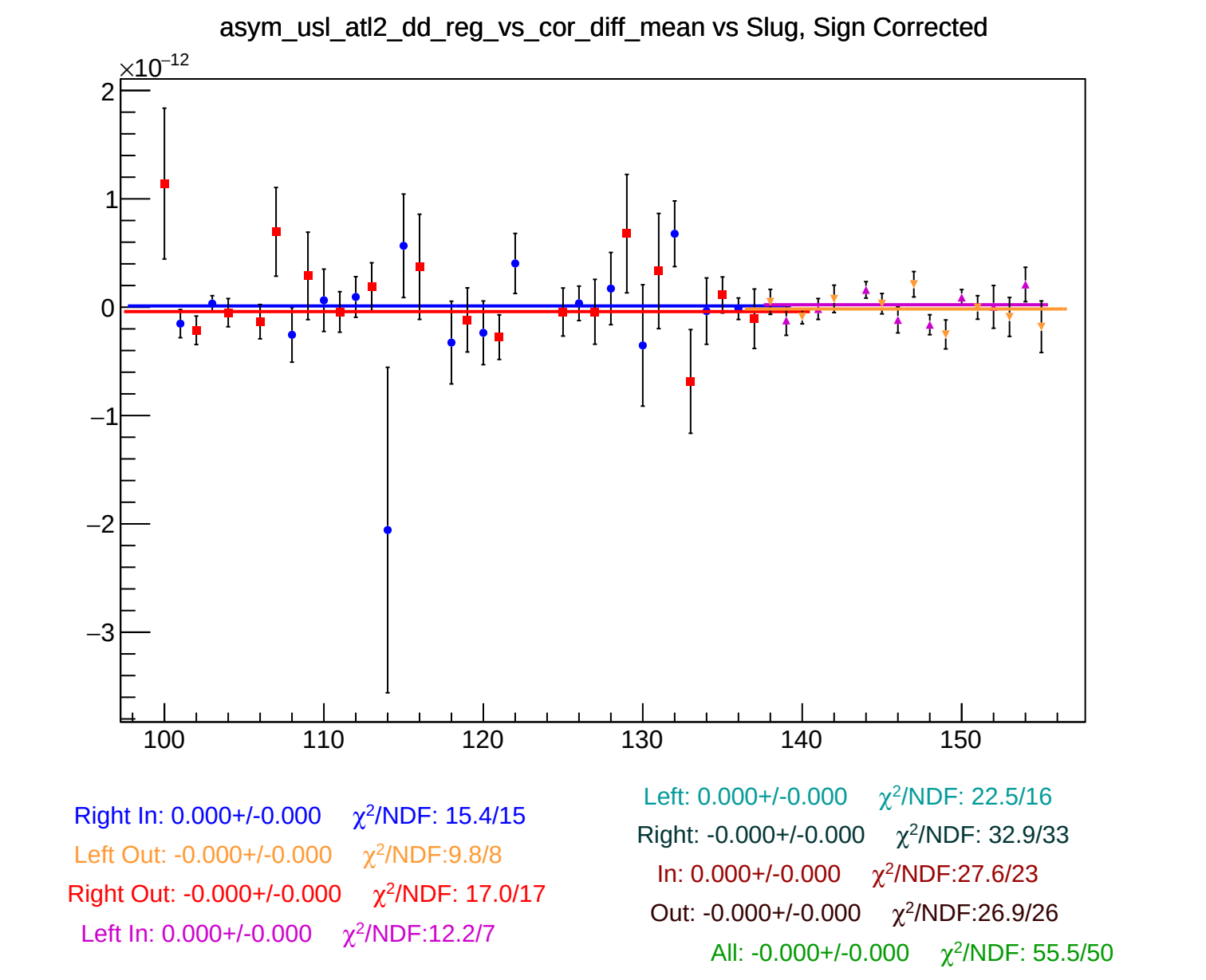
Left: 3924.286+/-0.750 χ^2/NDF: 526045.3/16

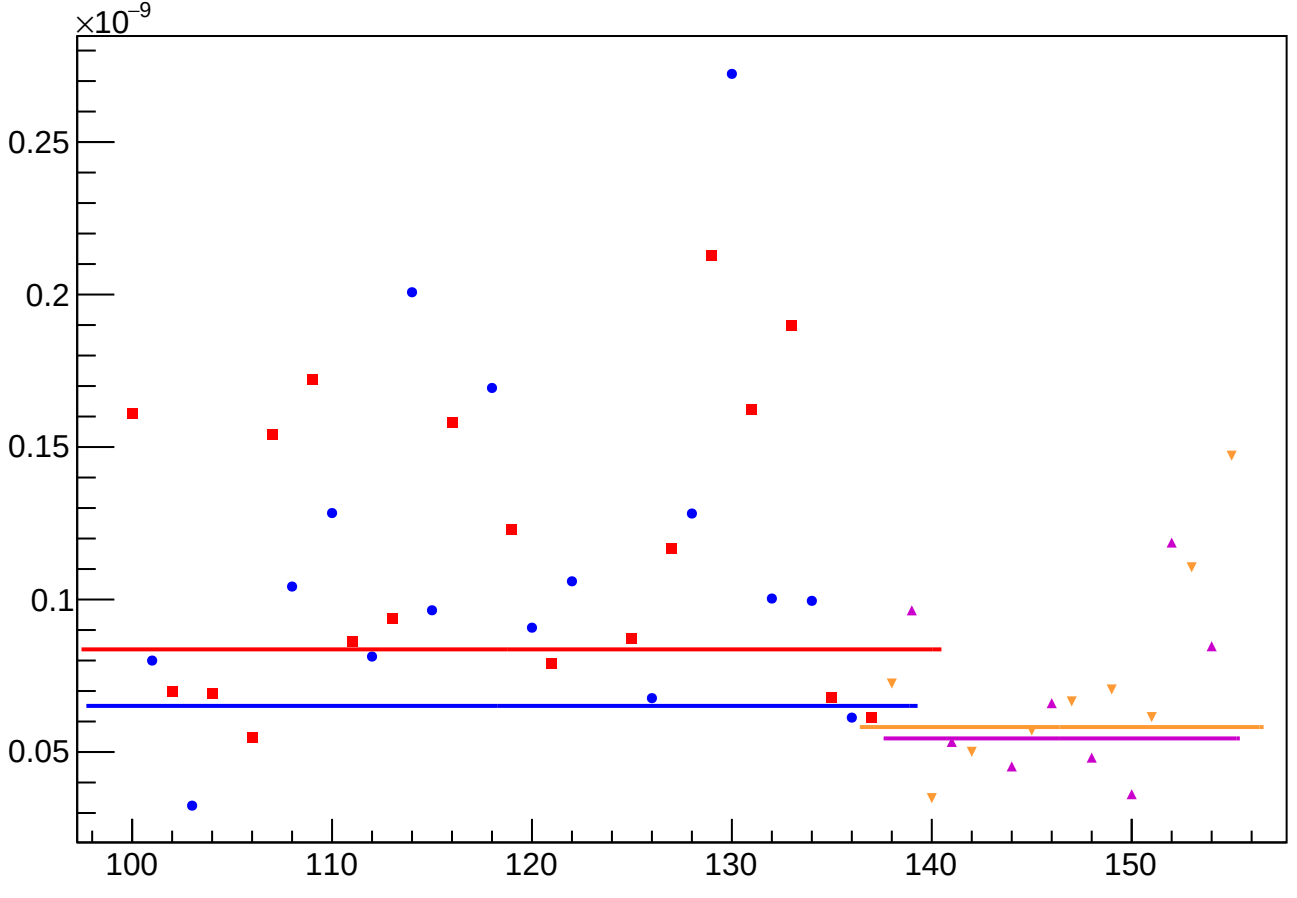
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3117.989+/-0.605 χ^2/NDF:1777220.5/23

Out: 2860.325+/-0.564 χ^2/NDF:2524273.6/26

All: 2980.129+/-0.413 χ^2/NDF: 4398542.4/50


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:9.8/8
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:12.2/7
Left: 0.000+/-0.000 χ²/NDF: 22.5/16
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:27.6/23
Out: -0.000+/-0.000 χ²/NDF:26.9/26
All: -0.000+/-0.000 χ²/NDF: 55.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:760443.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:653578.7/7

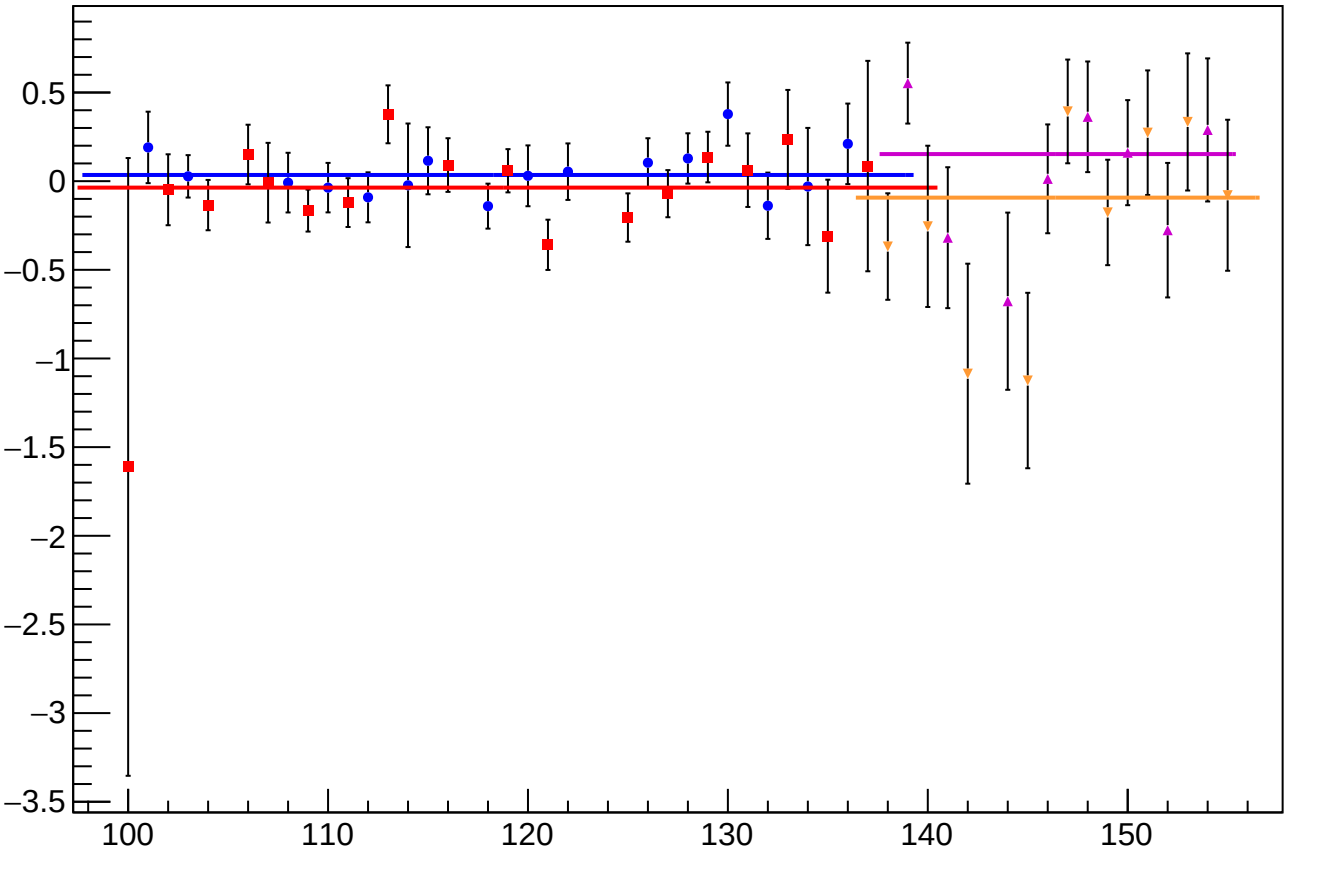
Left: 0.000+/-0.000 χ^2/NDF: 1424477.3/16

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:1946555.5/23

Out: 0.000+/-0.000 χ^2/NDF:1760812.2/26

All: 0.000+/-0.000 χ^2/NDF: 3777202.3/50



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.093+/-0.123 χ^2/NDF:13.0/8

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.153+/-0.116 χ^2/NDF:9.3/7

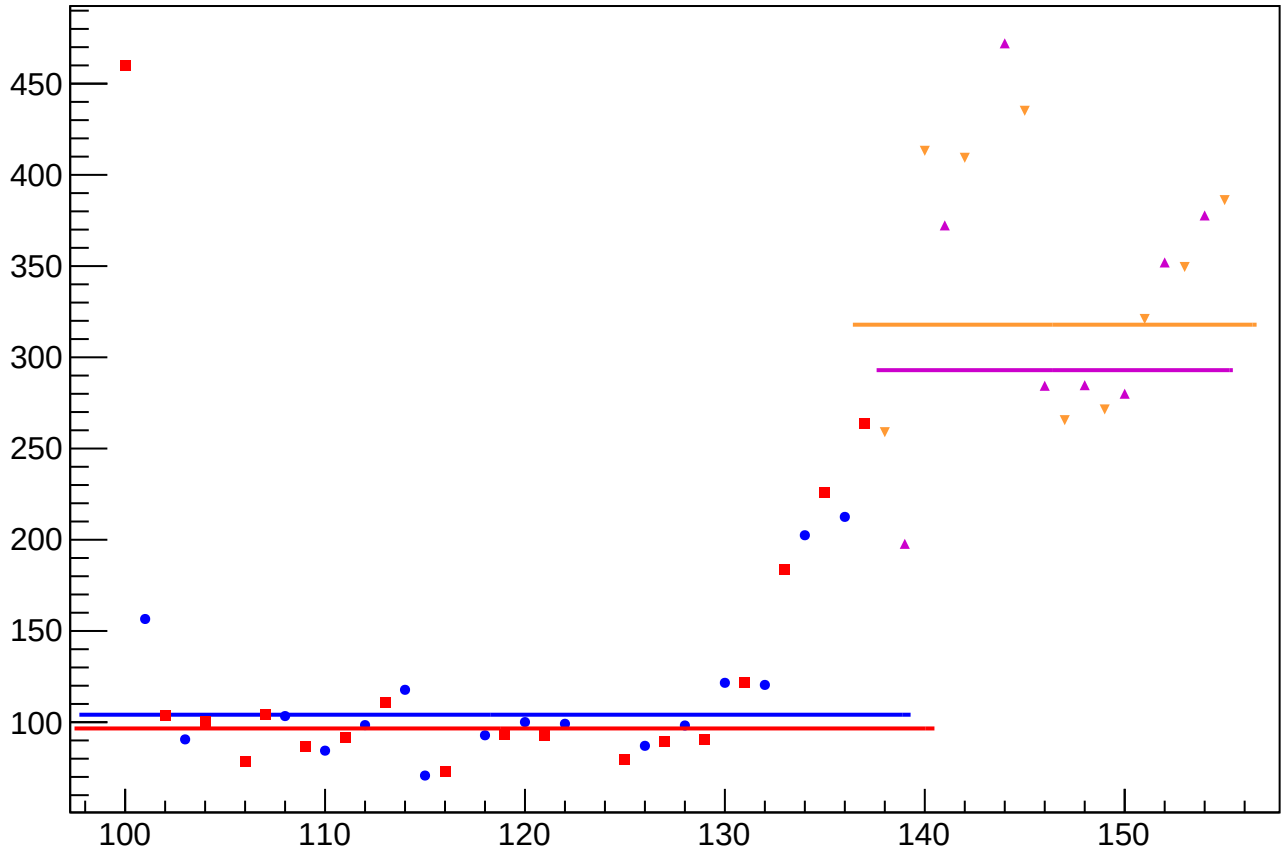
Left: 0.038+/-0.084 χ^2/NDF: 24.4/16

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.048+/-0.039 χ^2/NDF:20.0/23

Out: -0.041+/-0.037 χ^2/NDF:35.3/26

All: 0.001+/-0.027 χ^2/NDF: 58.0/50



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 317.879+/-0.087 χ^2/NDF:498466.2/8

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 292.959+/-0.082 χ^2/NDF:828633.1/7

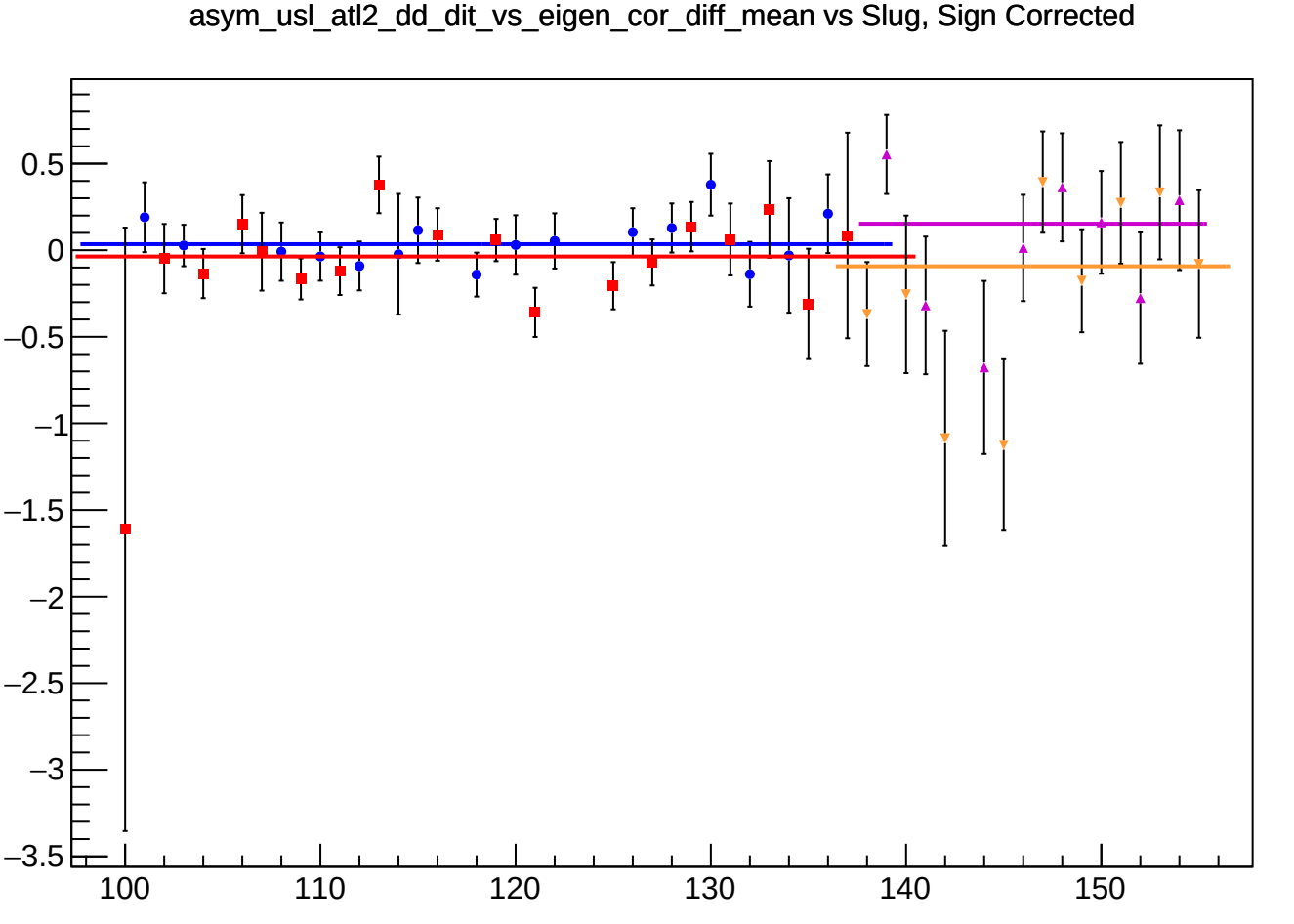
Left: 304.622+/-0.060 χ^2/NDF: 1370653.3/16

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 125.254+/-0.027 χ^2/NDF:6564941.4/23

Out: 116.641+/-0.026 χ^2/NDF:7325230.1/26

All: 120.769+/-0.019 χ^2/NDF: 13941854.1/50



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.093+/-0.123 χ^2/NDF:13.0/8

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.153+/-0.116 χ^2/NDF:9.3/7

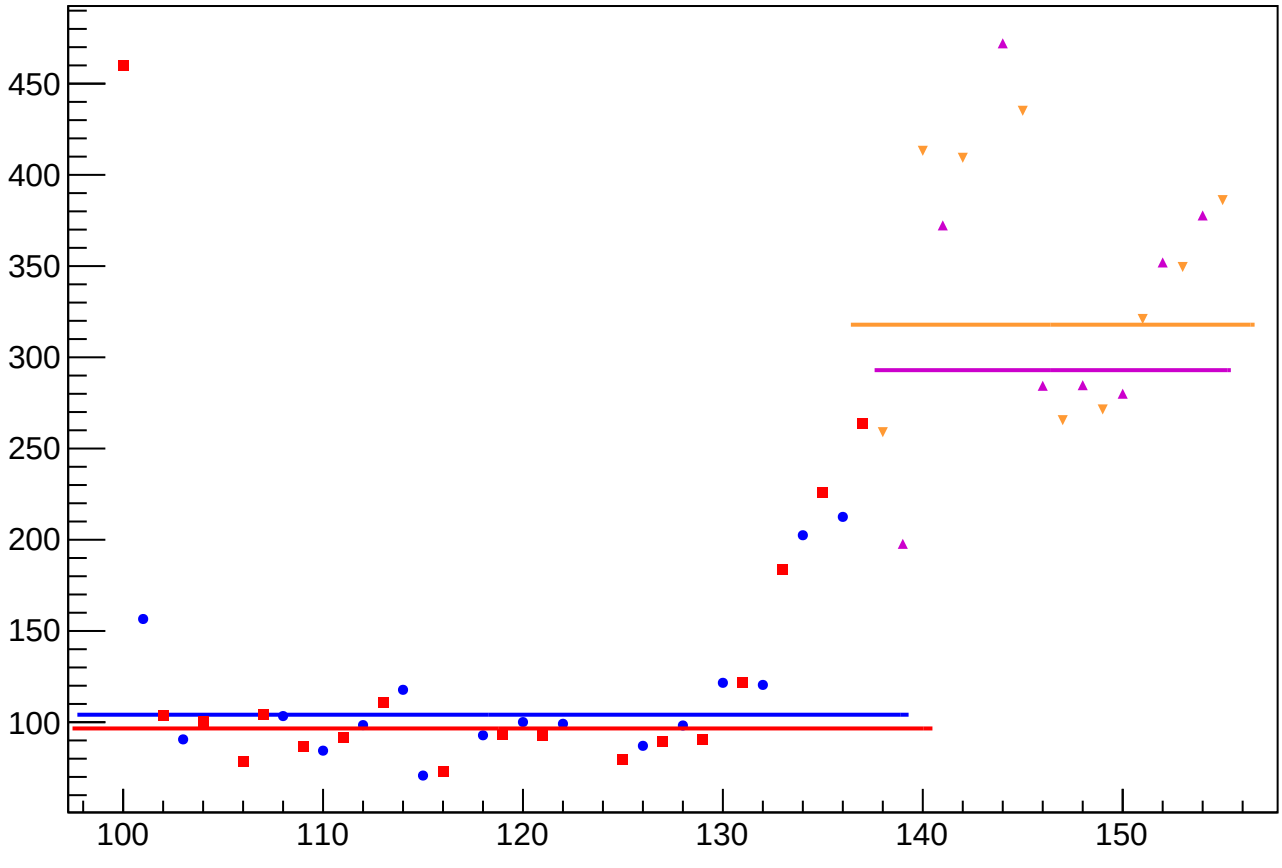
Left: 0.038+/-0.084 χ^2/NDF: 24.4/16

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.048+/-0.039 χ^2/NDF:20.0/23

Out: -0.041+/-0.037 χ^2/NDF:35.3/26

All: 0.001+/-0.027 χ^2/NDF: 58.0/50



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 317.879+/-0.087 χ^2/NDF:498466.2/8

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 292.959+/-0.082 χ^2/NDF:828633.1/7

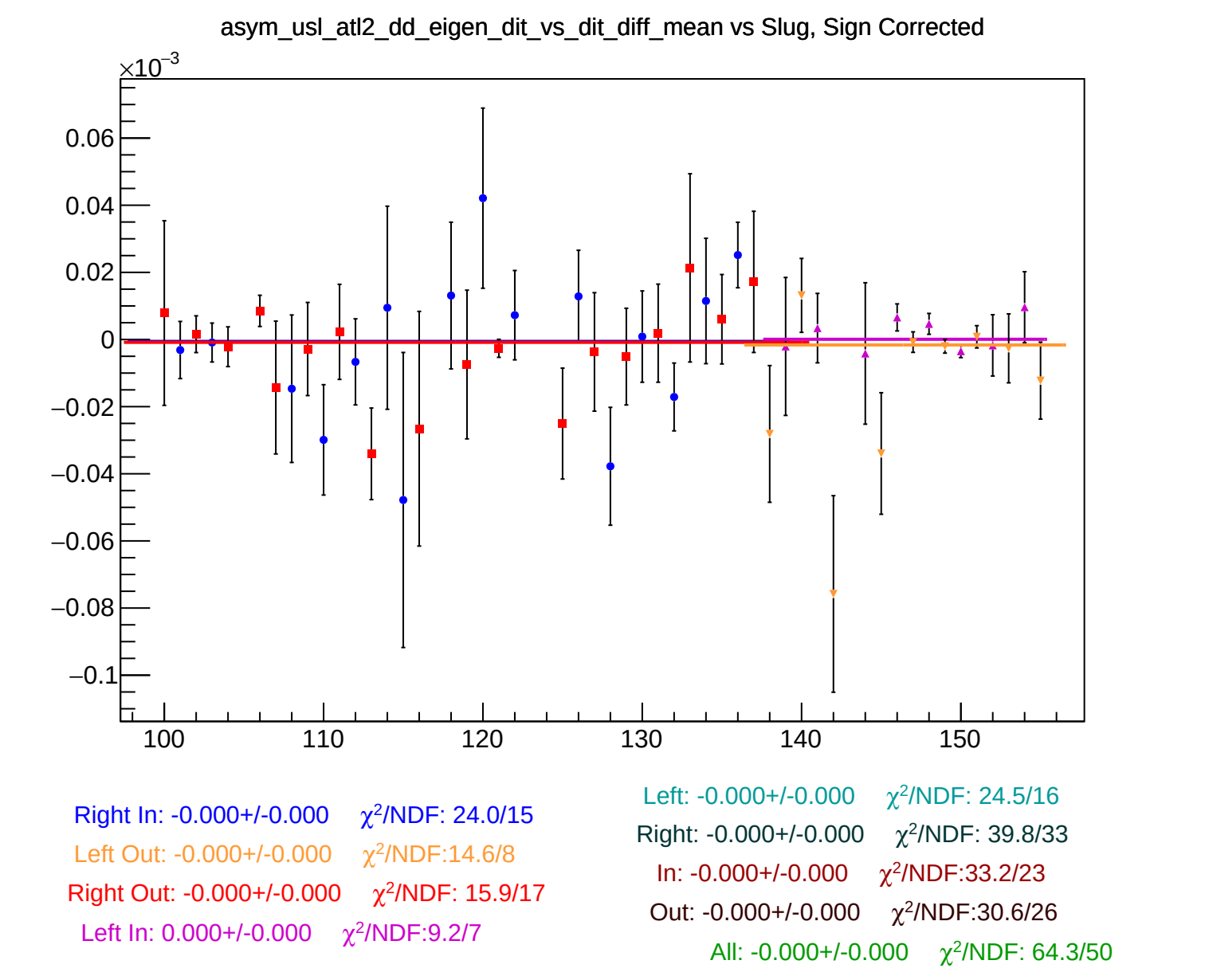
Left: 304.622+/-0.060 χ^2/NDF: 1370653.3/16

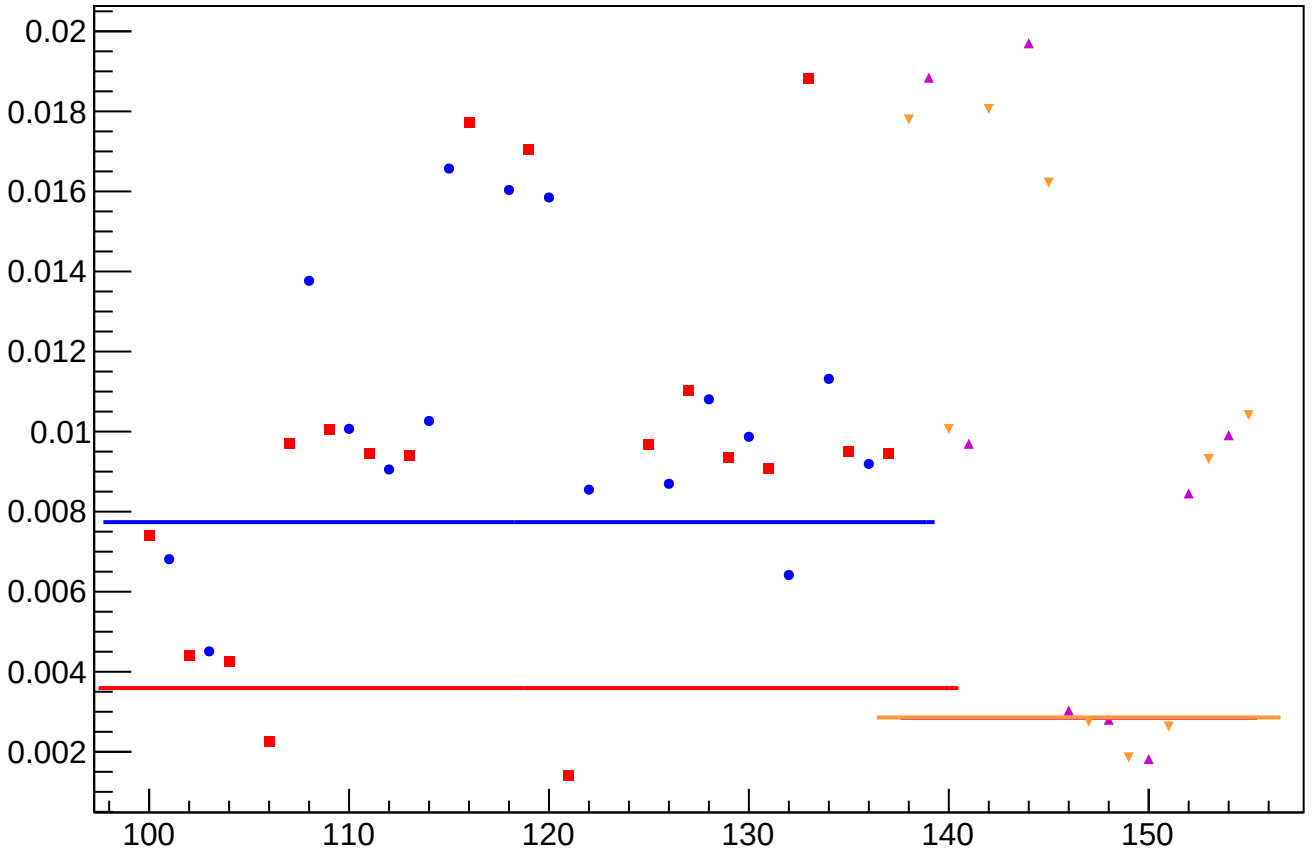
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 125.254+/-0.027 χ^2/NDF:6564941.4/23

Out: 116.641+/-0.026 χ^2/NDF:7325230.1/26

All: 120.769+/-0.019 χ^2/NDF: 13941854.1/50


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:14.6/8
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/17
Left In: 0.000+/-0.000 χ²/NDF:9.2/7
Left: -0.000+/-0.000 χ²/NDF: 24.5/16
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: -0.000+/-0.000 χ²/NDF:33.2/23
Out: -0.000+/-0.000 χ²/NDF:30.6/26
All: -0.000+/-0.000 χ²/NDF: 64.3/50



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:5714408.3/8

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:5593473.3/7

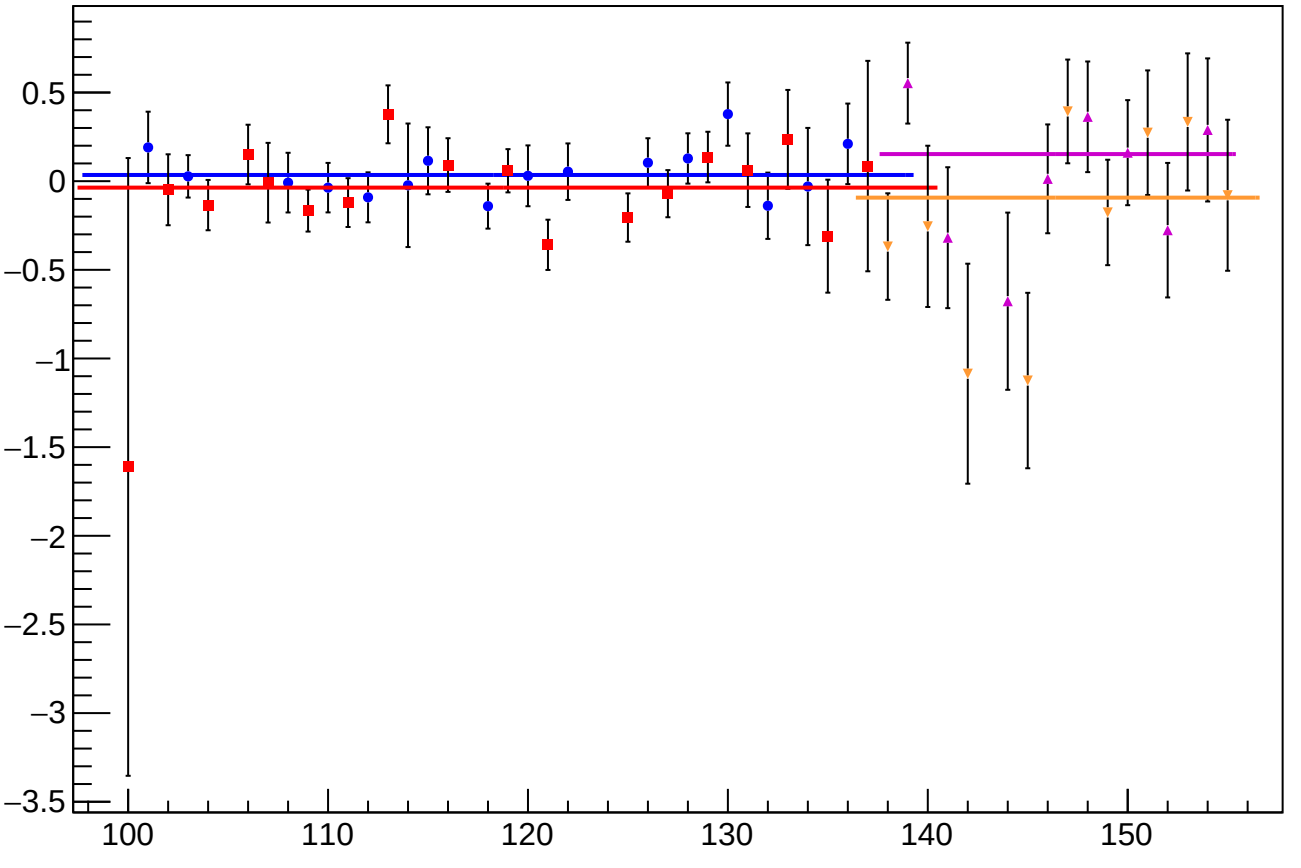
Left: 0.003+/-0.000 χ^2/NDF: 11307952.3/16

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:11348561.8/23

Out: 0.003+/-0.000 χ^2/NDF:12274742.3/26

All: 0.003+/-0.000 χ^2/NDF: 23848411.5/50



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.093+/-0.123 χ^2/NDF:13.0/8

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.153+/-0.116 χ^2/NDF:9.3/7

Left: 0.038+/-0.084 χ^2/NDF: 24.4/16

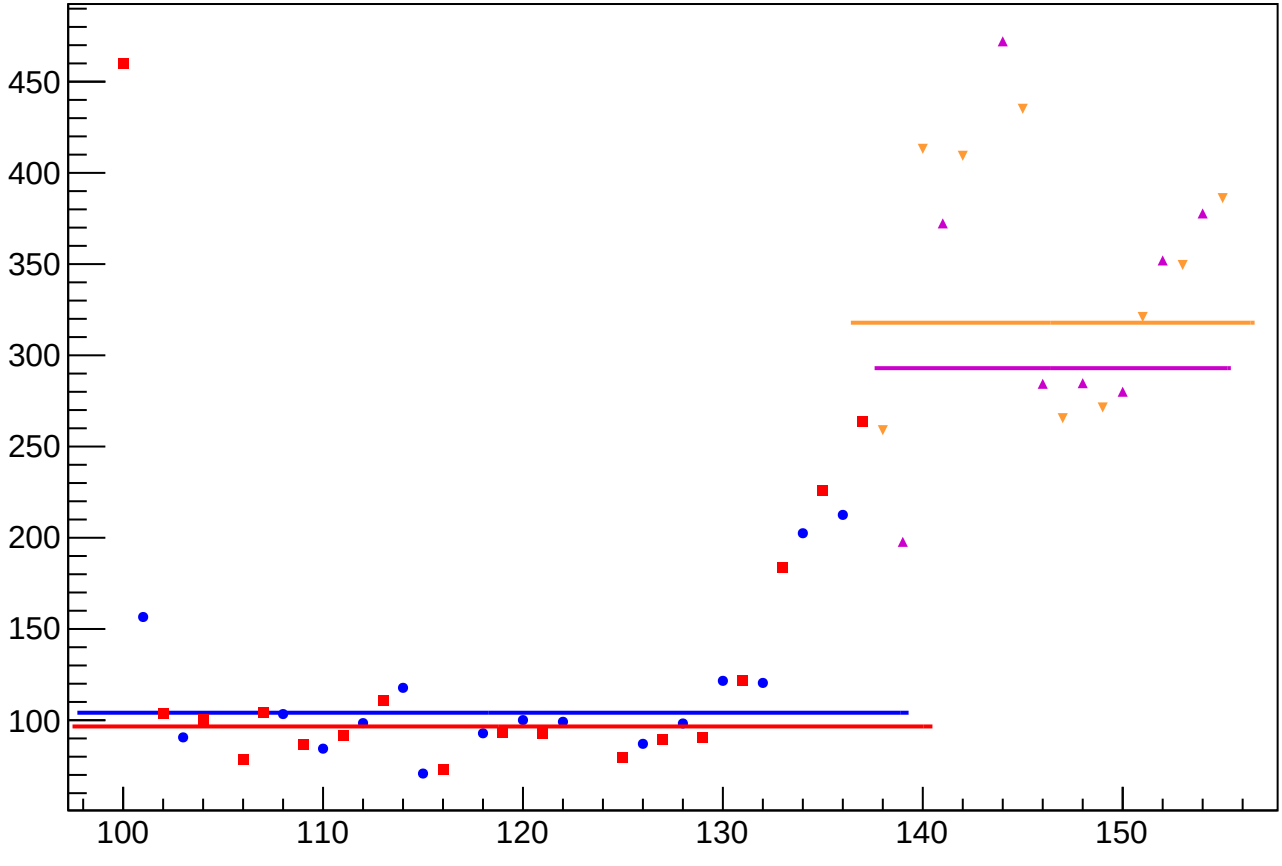
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.048+/-0.039 χ^2/NDF:20.0/23

Out: -0.041+/-0.037 χ^2/NDF:35.3/26

All: 0.001+/-0.027 χ^2/NDF: 58.0/50

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 317.882+/-0.087 χ^2/NDF:498507.6/8

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 292.963+/-0.082 χ^2/NDF:828616.3/7

Left: 304.625+/-0.060 χ^2/NDF: 1370671.1/16

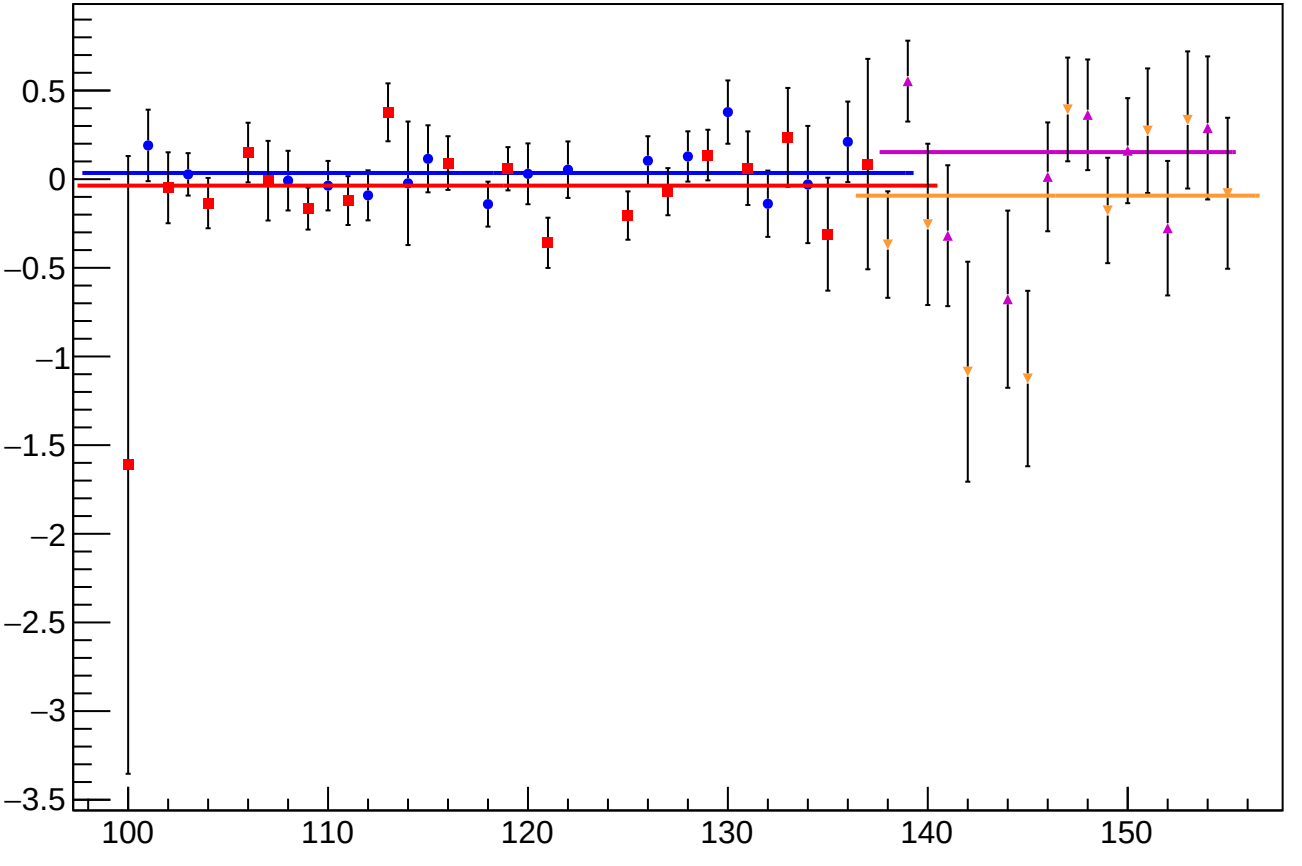
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 125.255+/-0.027 χ^2/NDF:6564918.6/23

Out: 116.643+/-0.026 χ^2/NDF:7325155.2/26

All: 120.770+/-0.019 χ^2/NDF: 13941749.9/50

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: -0.093+/-0.123 χ^2/NDF:13.0/8

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.153+/-0.116 χ^2/NDF:9.3/7

Left: 0.038+/-0.084 χ^2/NDF: 24.4/16

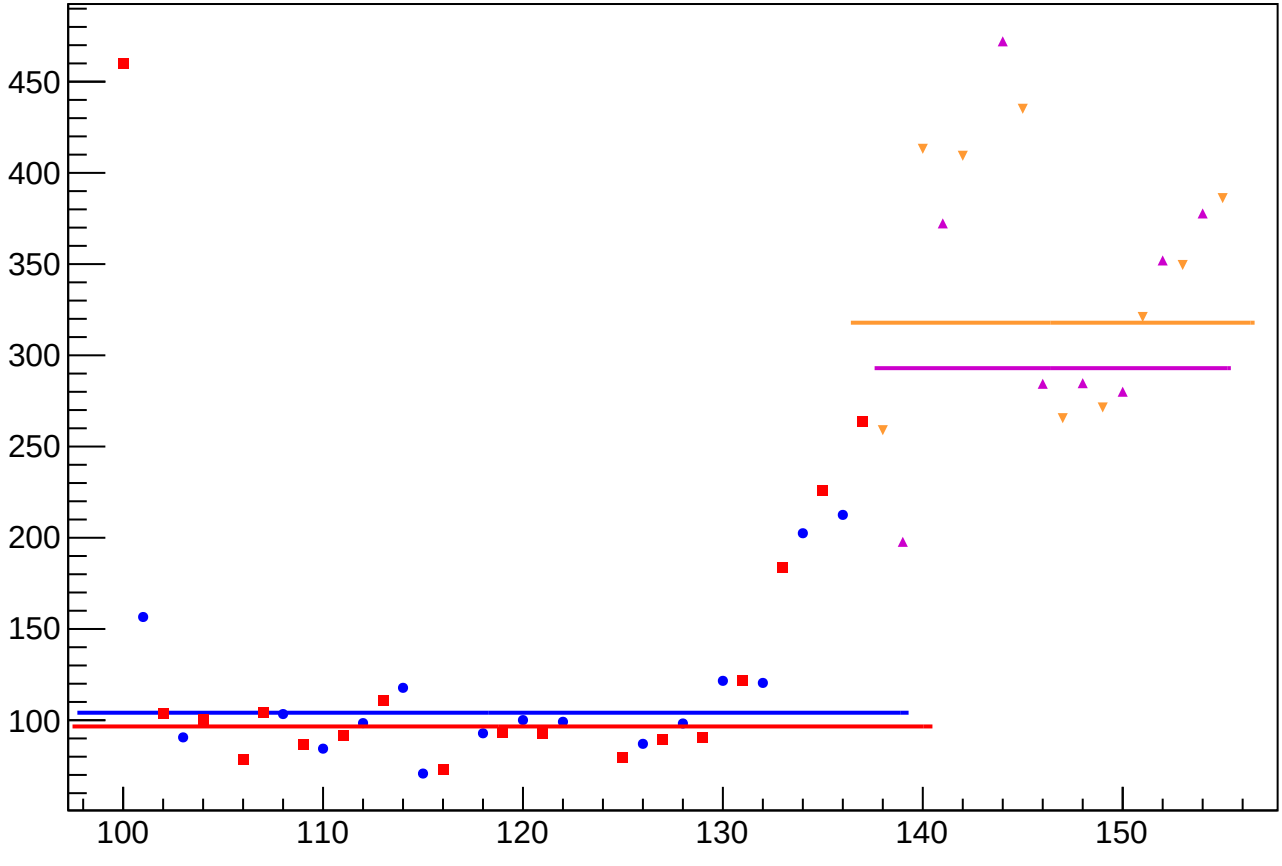
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.048+/-0.039 χ^2/NDF:20.0/23

Out: -0.041+/-0.037 χ^2/NDF:35.3/26

All: 0.001+/-0.027 χ^2/NDF: 58.0/50

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 317.882+/-0.087 χ^2/NDF:498507.6/8

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 292.963+/-0.082 χ^2/NDF:828616.3/7

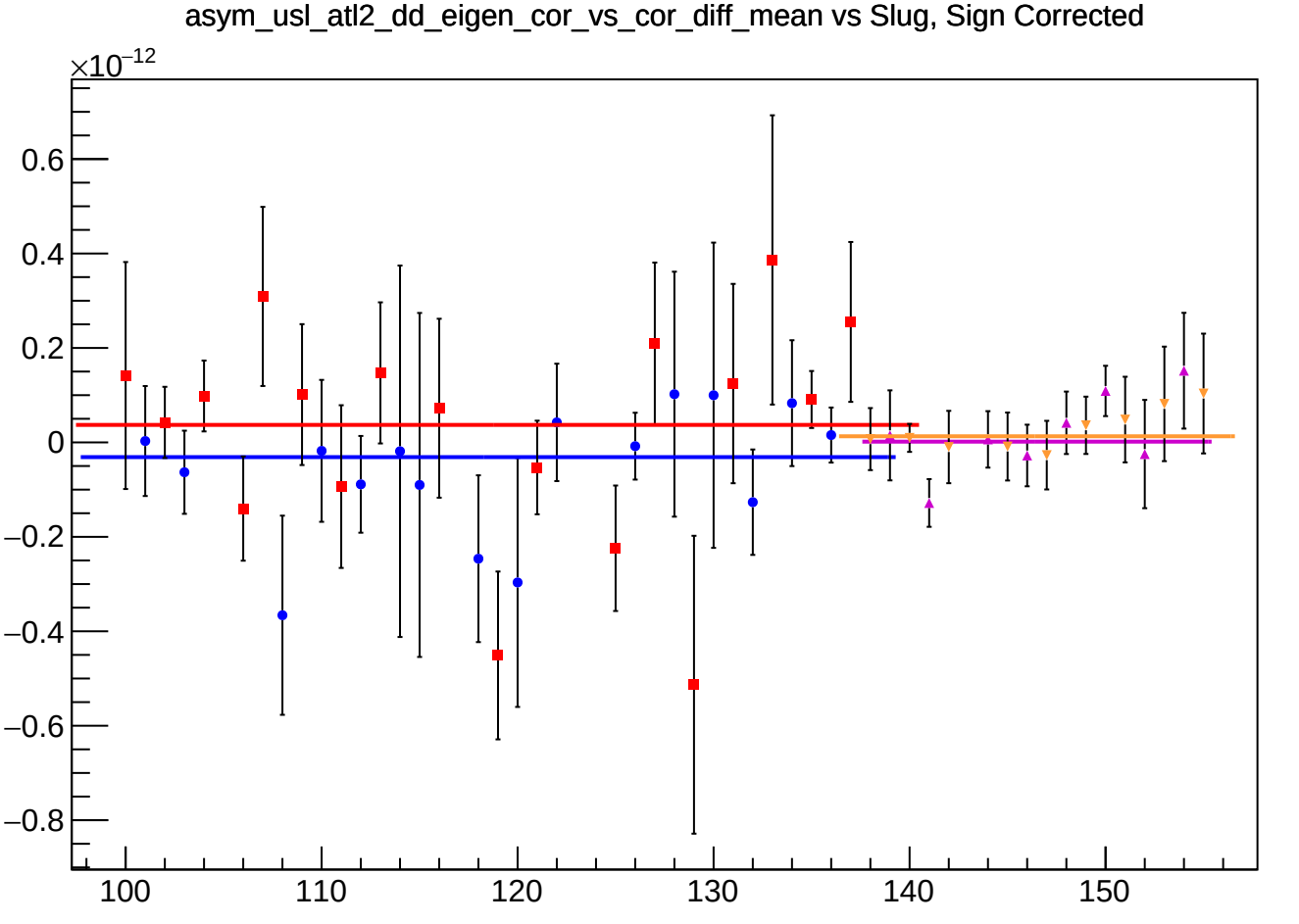
Left: 304.625+/-0.060 χ^2/NDF: 1370671.1/16

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 125.255+/-0.027 χ^2/NDF:6564918.6/23

Out: 116.643+/-0.026 χ^2/NDF:7325155.2/26

All: 120.770+/-0.019 χ^2/NDF: 13941749.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:12.8/7

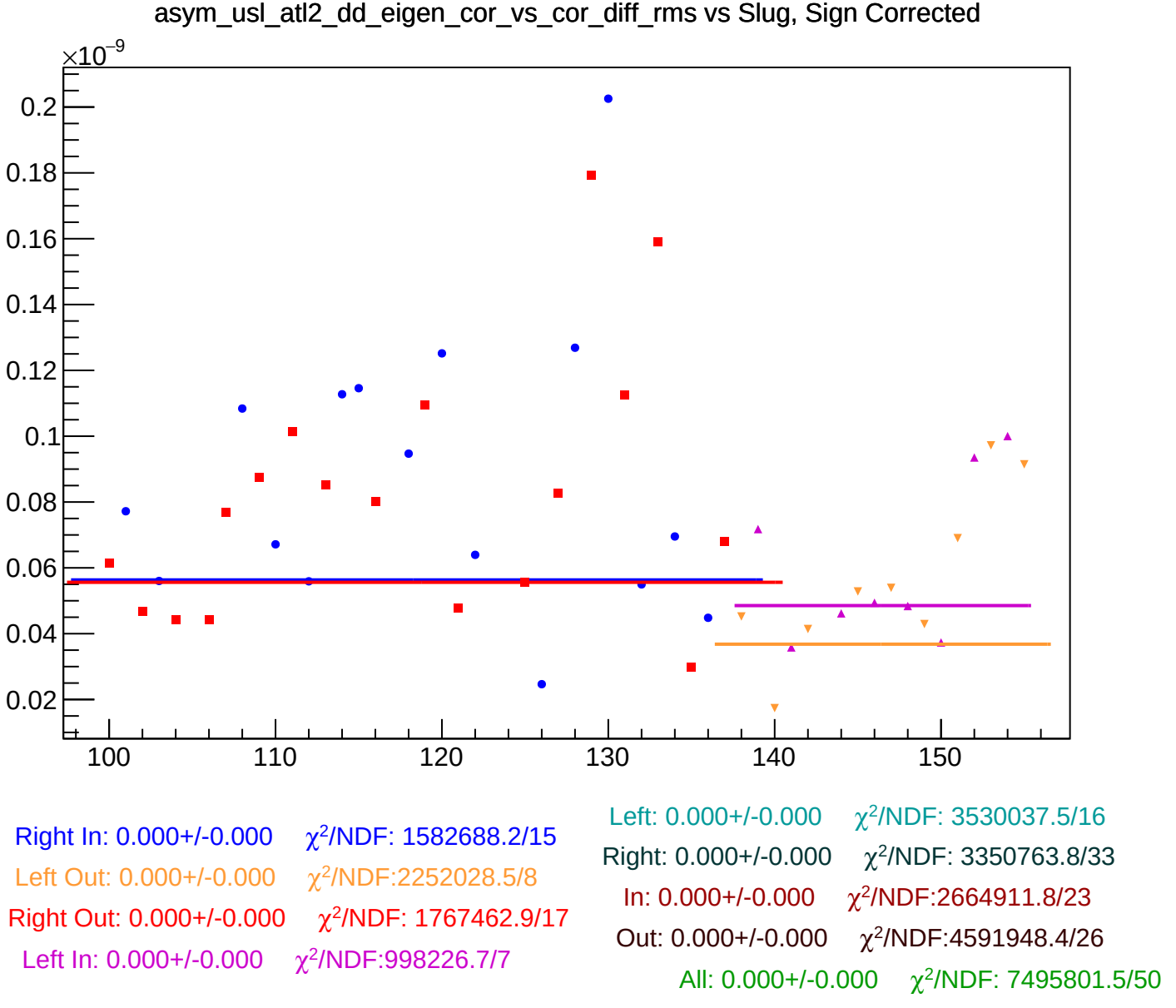
Left: 0.000+/-0.000 χ^2/NDF: 14.6/16

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

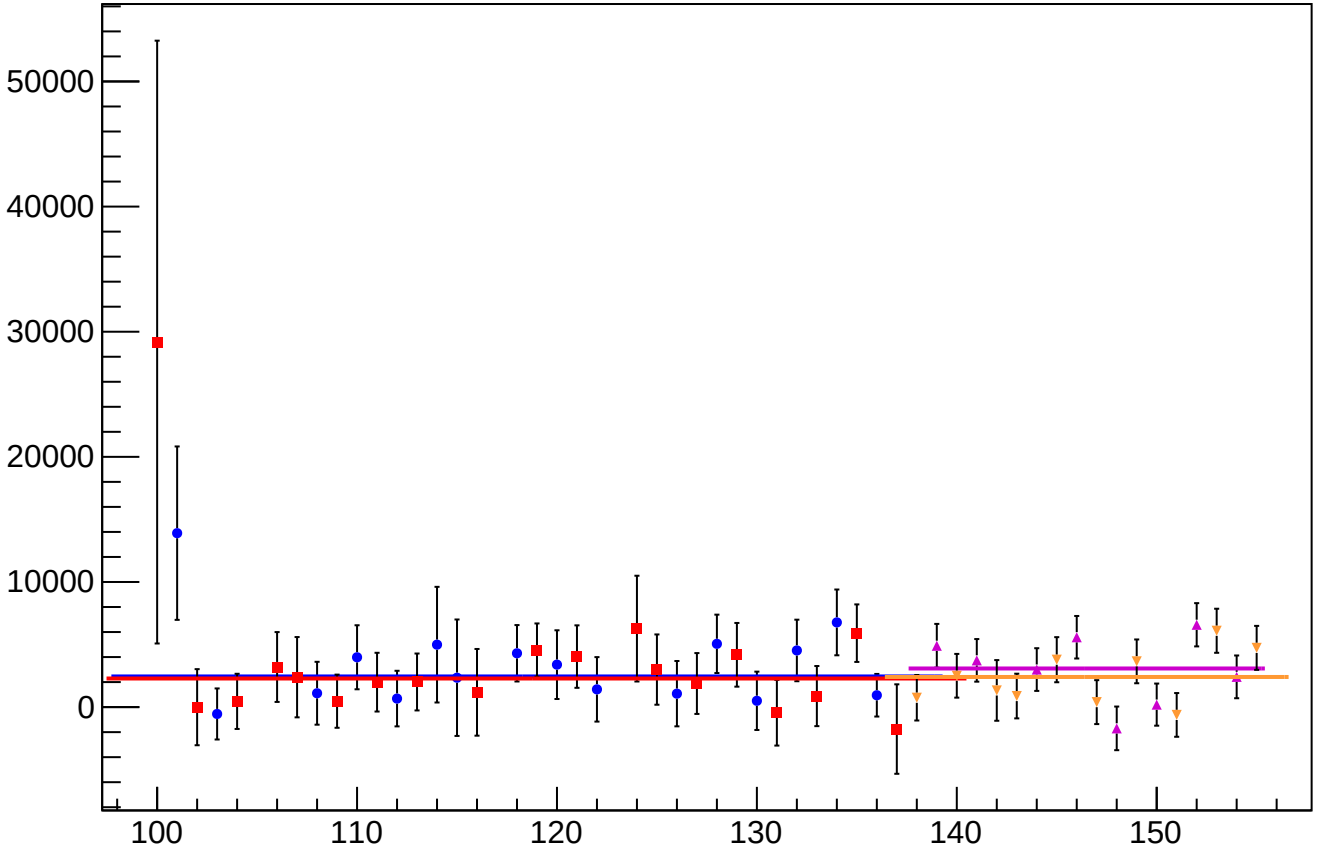
In: -0.000+/-0.000 χ^2/NDF:22.1/23

Out: 0.000+/-0.000 χ^2/NDF:29.2/26

All: 0.000+/-0.000 χ^2/NDF: 53.0/50


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2252028.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:998226.7/7
Left: 0.000+/-0.000 χ²/NDF: 3530037.5/16
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:2664911.8/23
Out: 0.000+/-0.000 χ²/NDF:4591948.4/26
All: 0.000+/-0.000 χ²/NDF: 7495801.5/50

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2408.336+/-572.929 χ^2/NDF:13.3/9

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 3087.076+/-606.158 χ^2/NDF:18.1/7

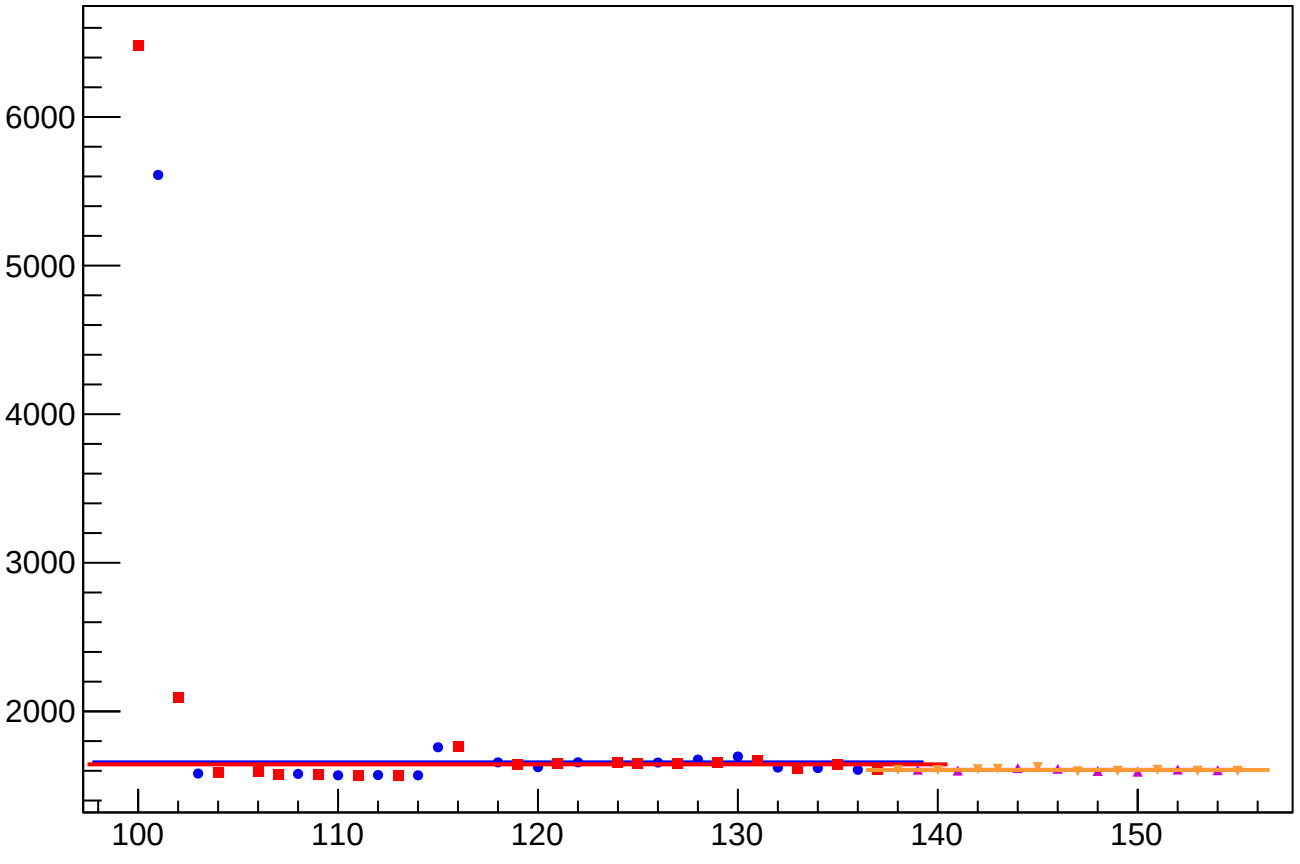
Left: 2728.592+/-416.374 χ^2/NDF: 32.1/17

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2780.918+/-436.882 χ^2/NDF:32.5/23

Out: 2351.183+/-417.342 χ^2/NDF:25.2/28

All: 2556.225+/-301.777 χ^2/NDF: 58.2/52



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1605.827+/-0.405 χ^2/NDF:384.6/9

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1606.179+/-0.429 χ^2/NDF:303.9/7

Left: 1605.993+/-0.294 χ^2/NDF: 688.9/17

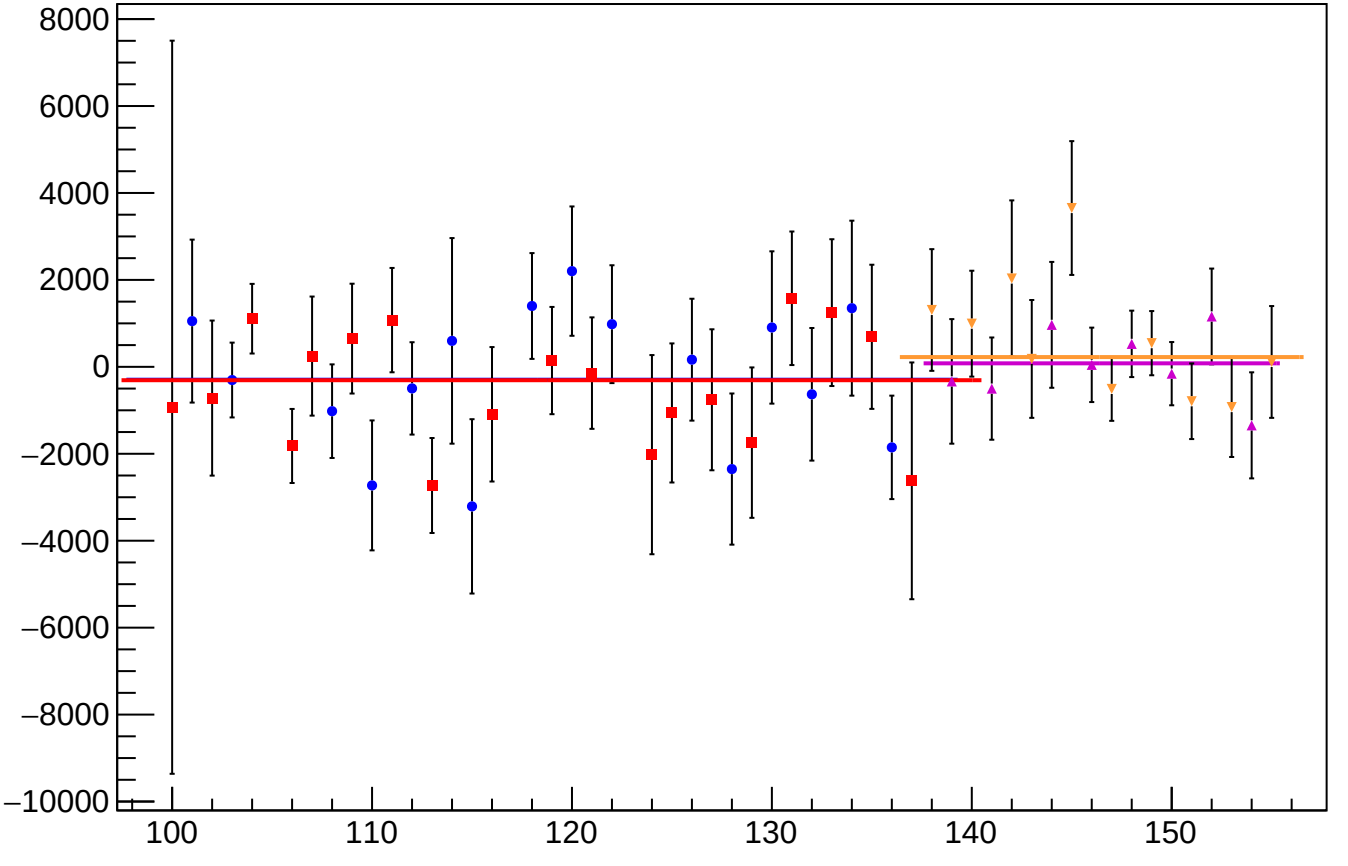
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1630.448+/-0.309 χ^2/NDF:673201.7/23

Out: 1623.477+/-0.295 χ^2/NDF:141426.4/28

All: 1626.803+/-0.213 χ^2/NDF: 814894.4/52

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: 224.507+/-336.428 χ^2/NDF:10.5/9

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 80.590+/-350.281 χ^2/NDF:3.5/7

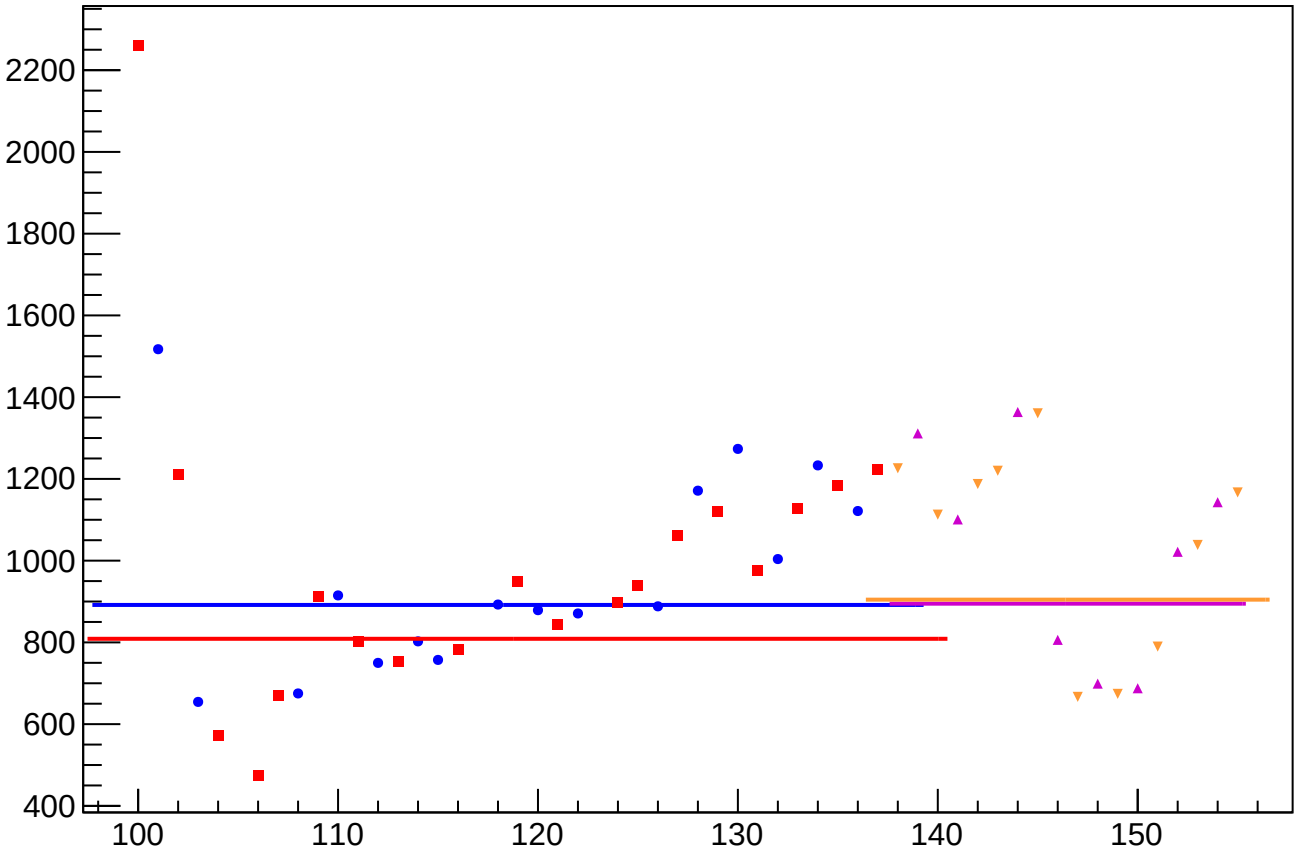
Left: 155.451+/-242.640 χ^2/NDF: 14.1/17

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -111.650+/-245.230 χ^2/NDF:20.0/23

Out: -60.775+/-229.150 χ^2/NDF:30.6/28

All: -84.490+/-167.430 χ^2/NDF: 50.6/52



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 904.588+/-0.238 χ^2/NDF:1047330.6/9

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 894.762+/-0.248 χ^2/NDF:863946.7/7

Left: 899.873+/-0.172 χ^2/NDF: 1912096.0/17

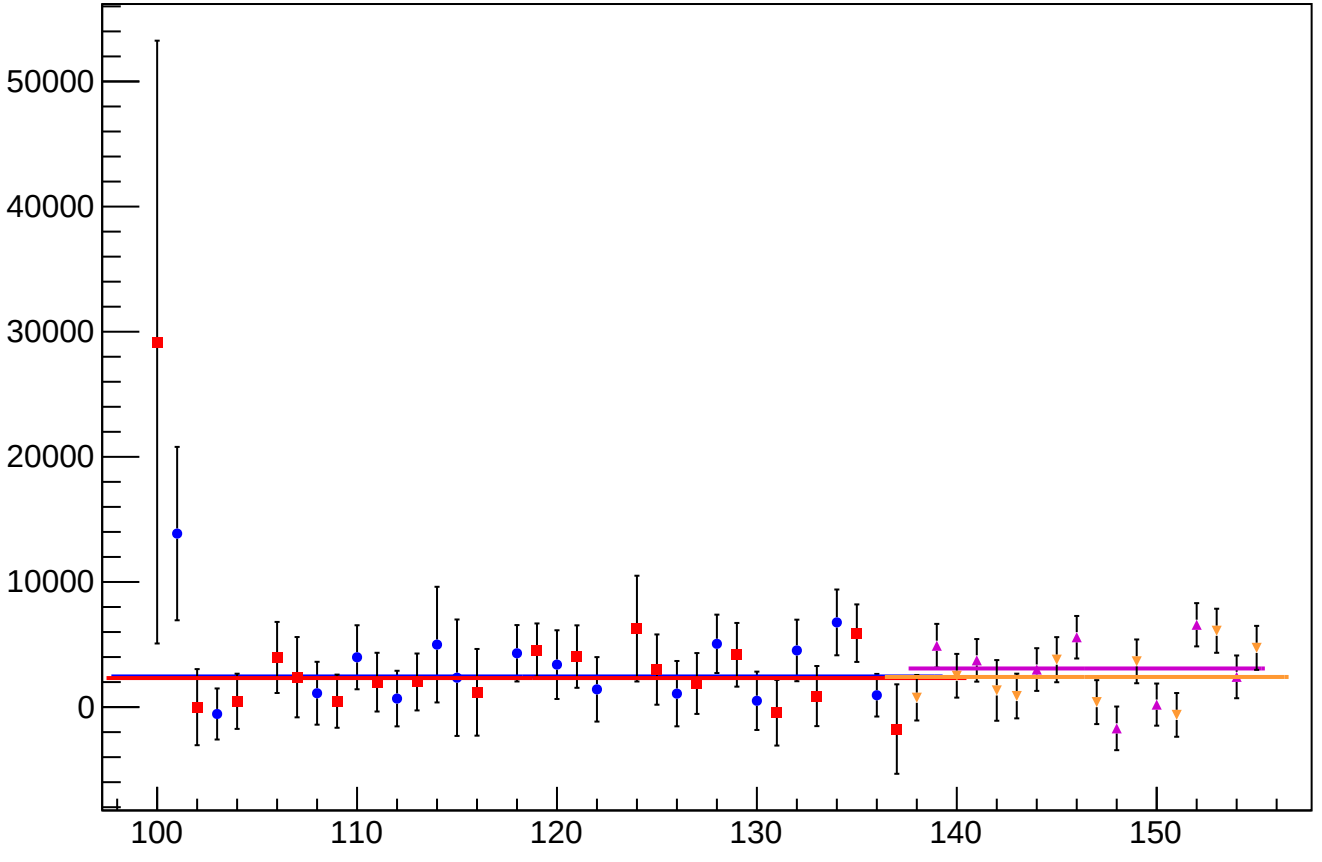
Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 893.166+/-0.173 χ^2/NDF:1657925.2/23

Out: 853.244+/-0.162 χ^2/NDF:2218068.9/28

All: 871.854+/-0.118 χ^2/NDF: 3904290.7/52

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2408.310+/-572.929 χ^2/NDF:13.3/9

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 3087.213+/-606.159 χ^2/NDF:18.1/7

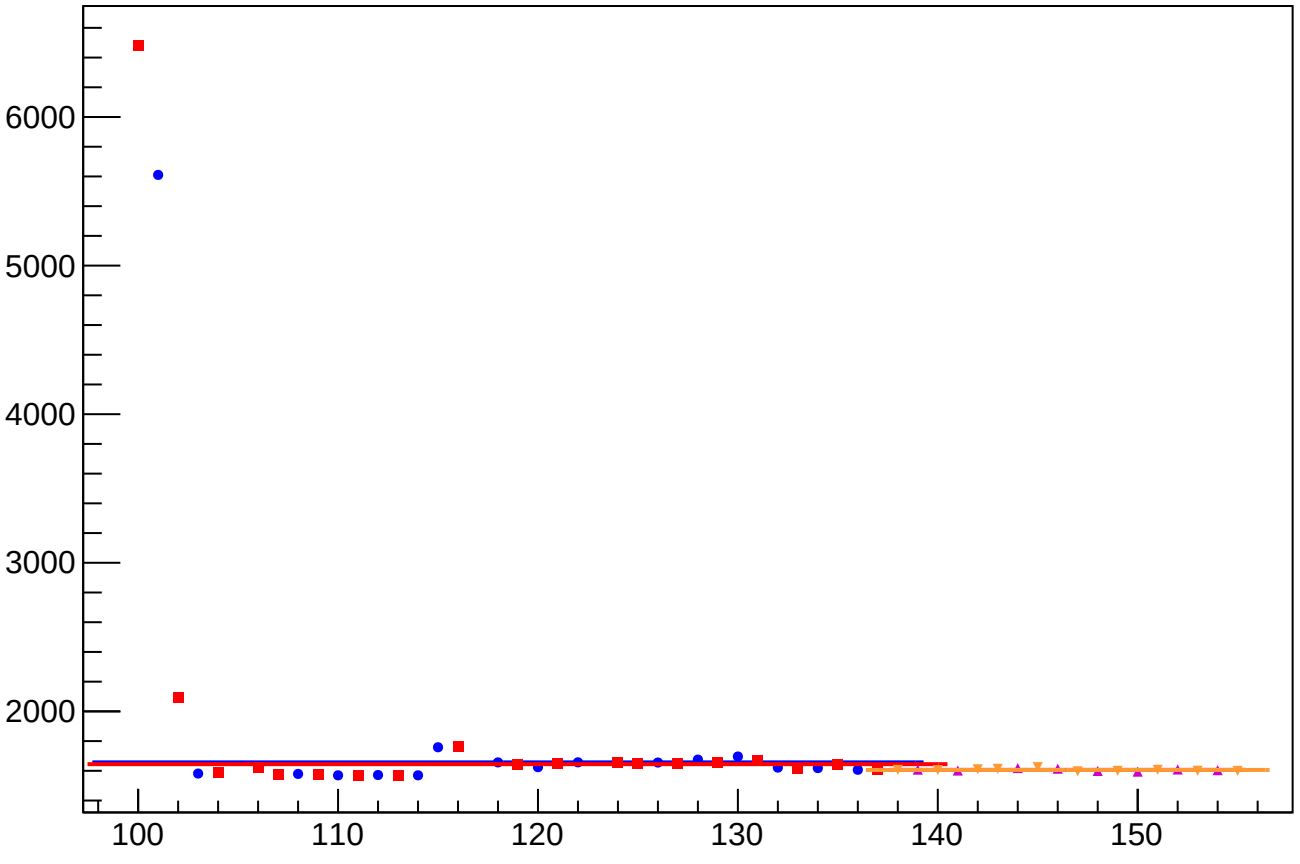
Left: 2728.643+/-416.374 χ^2/NDF: 32.1/17

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2780.720+/-436.882 χ^2/NDF:32.5/23

Out: 2367.165+/-417.503 χ^2/NDF:25.4/28

All: 2564.567+/-301.838 χ^2/NDF: 58.3/52



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1605.827+/-0.405 χ^2/NDF:384.6/9

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1606.179+/-0.429 χ^2/NDF:303.9/7

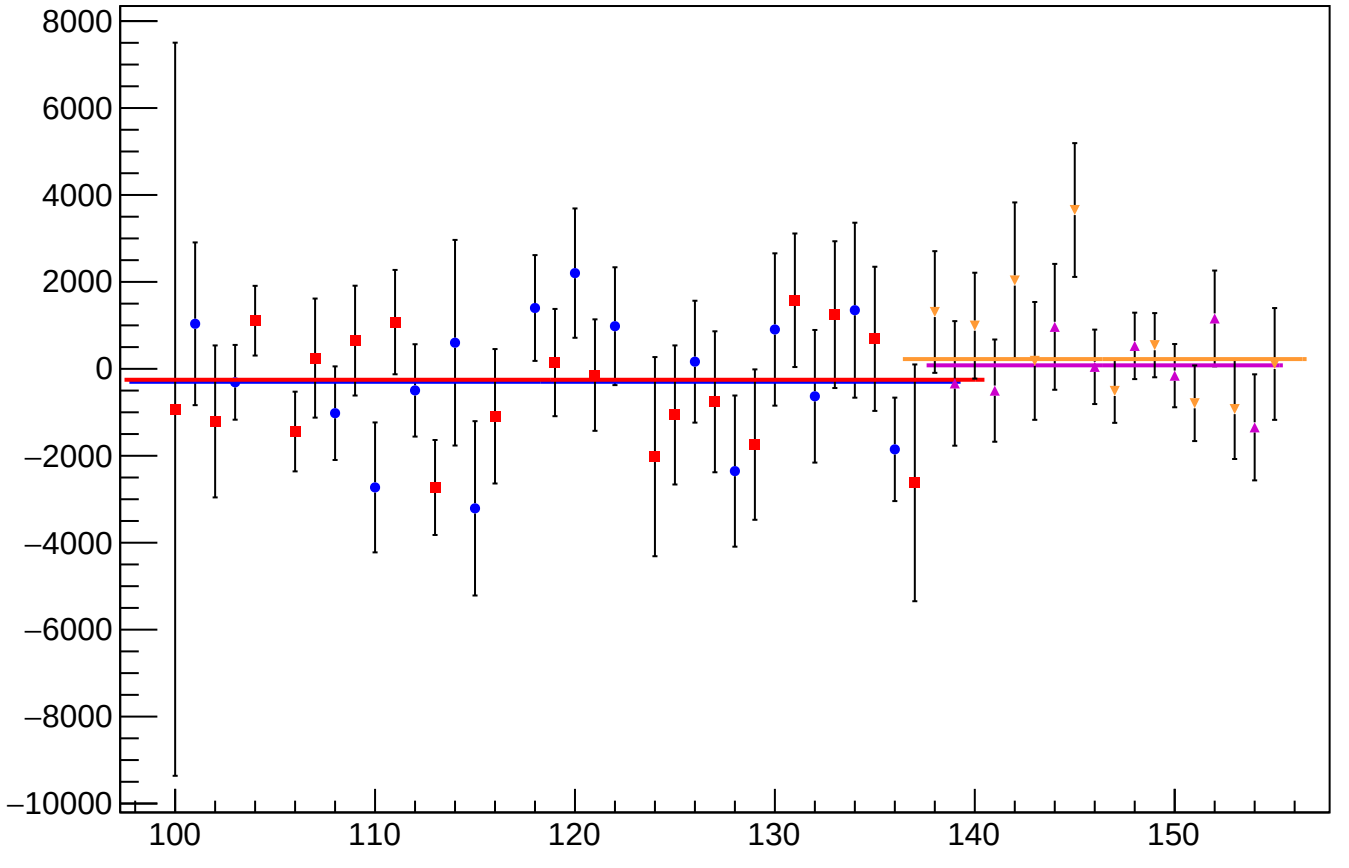
Left: 1605.993+/-0.294 χ^2/NDF: 688.9/17

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1630.448+/-0.309 χ^2/NDF:673201.3/23

Out: 1624.073+/-0.295 χ^2/NDF:141192.9/28

All: 1627.116+/-0.213 χ^2/NDF: 814616.8/52



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 224.393+/-336.423 χ^2/NDF:10.5/9

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 80.646+/-350.284 χ^2/NDF:3.5/7

Left: 155.420+/-242.639 χ^2/NDF: 14.1/17

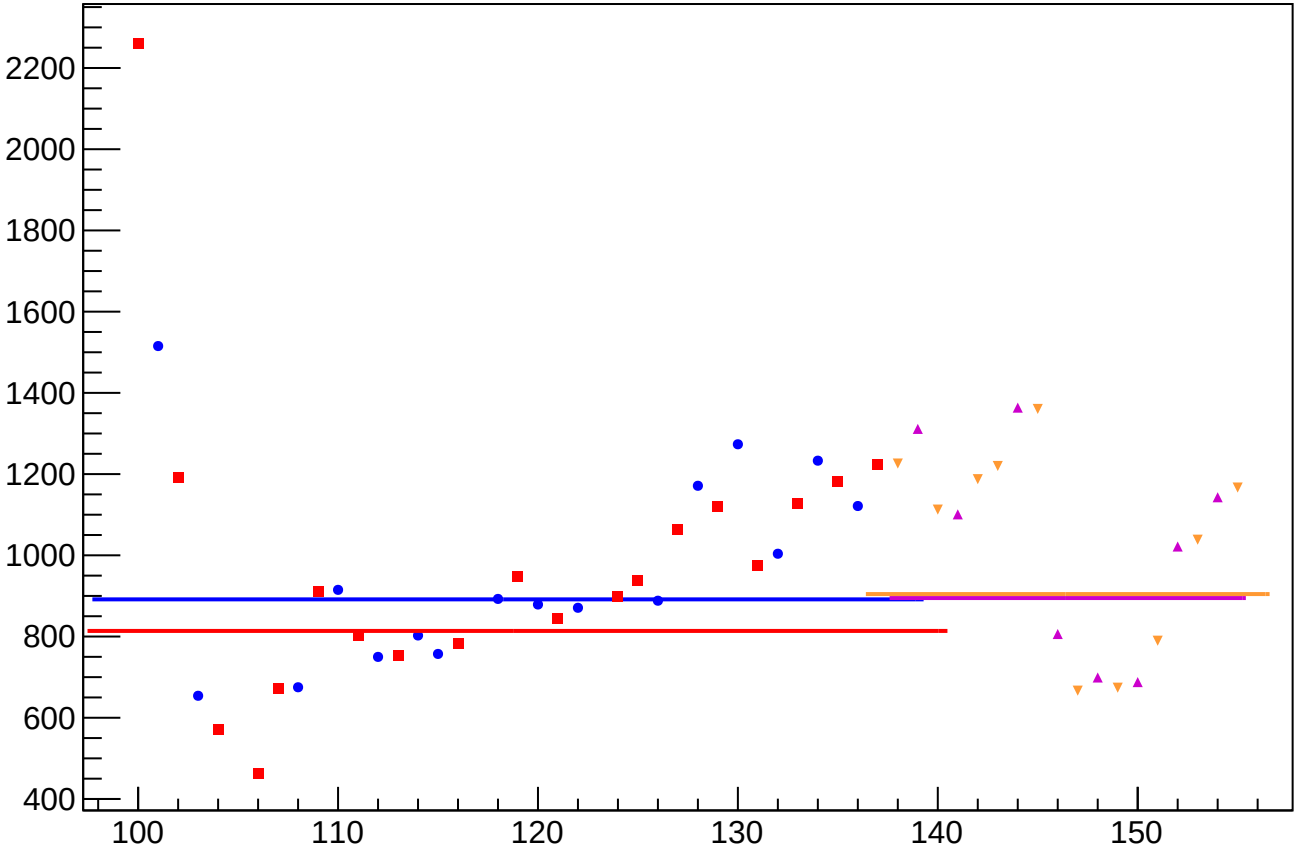
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -112.334+/-245.215 χ^2/NDF:20.0/23

Out: -28.481+/-230.230 χ^2/NDF:28.9/28

All: -67.767+/-167.845 χ^2/NDF: 48.9/52

asym_usr_atr1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 904.572+/-0.238 χ^2/NDF:1047383.2/9

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 894.769+/-0.248 χ^2/NDF:863914.1/7

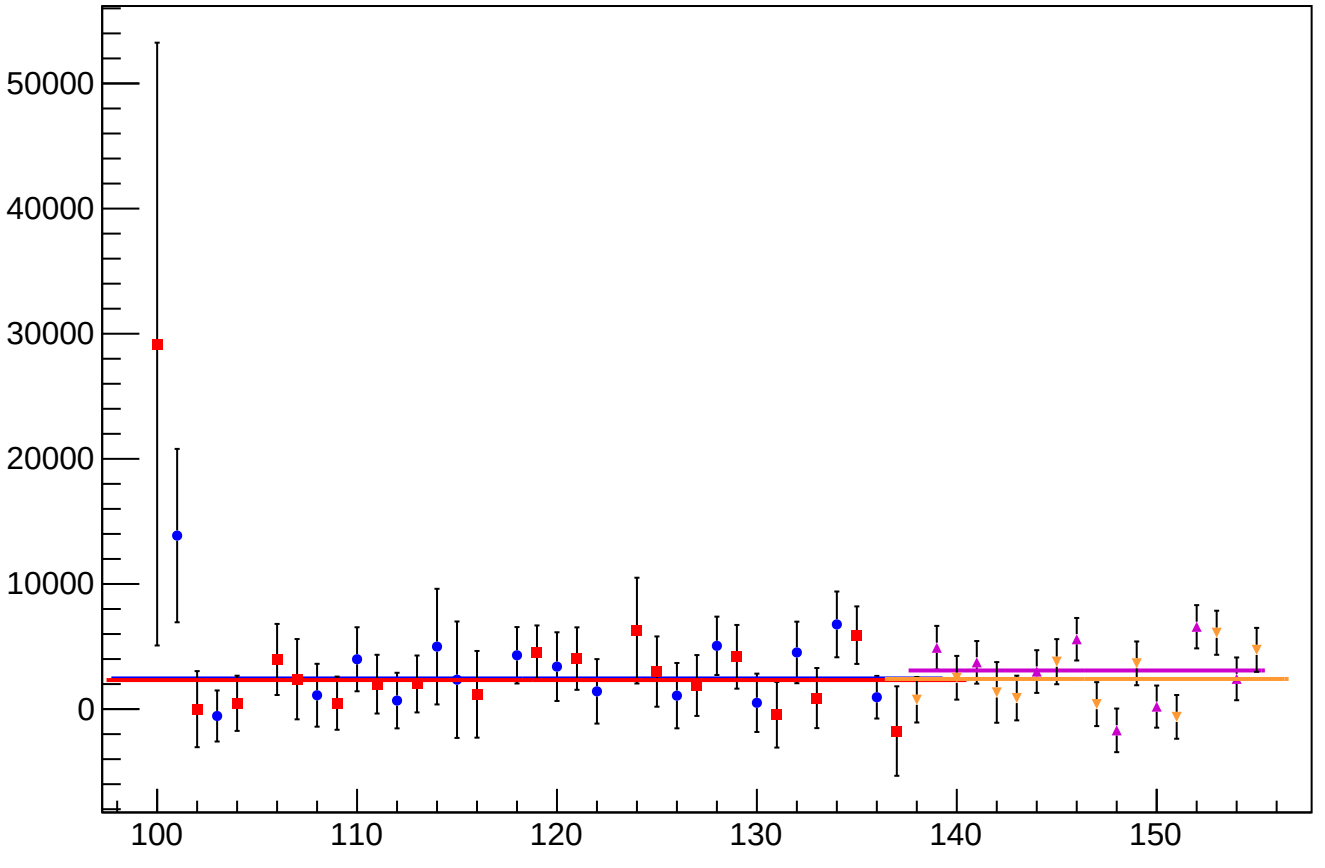
Left: 899.869+/-0.172 χ^2/NDF: 1912112.1/17

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 893.119+/-0.173 χ^2/NDF:1657658.3/23

Out: 856.315+/-0.163 χ^2/NDF:2177774.2/28

All: 873.558+/-0.119 χ^2/NDF: 3859377.4/52



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2408.310+/-572.929 χ^2/NDF:13.3/9

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 3087.213+/-606.159 χ^2/NDF:18.1/7

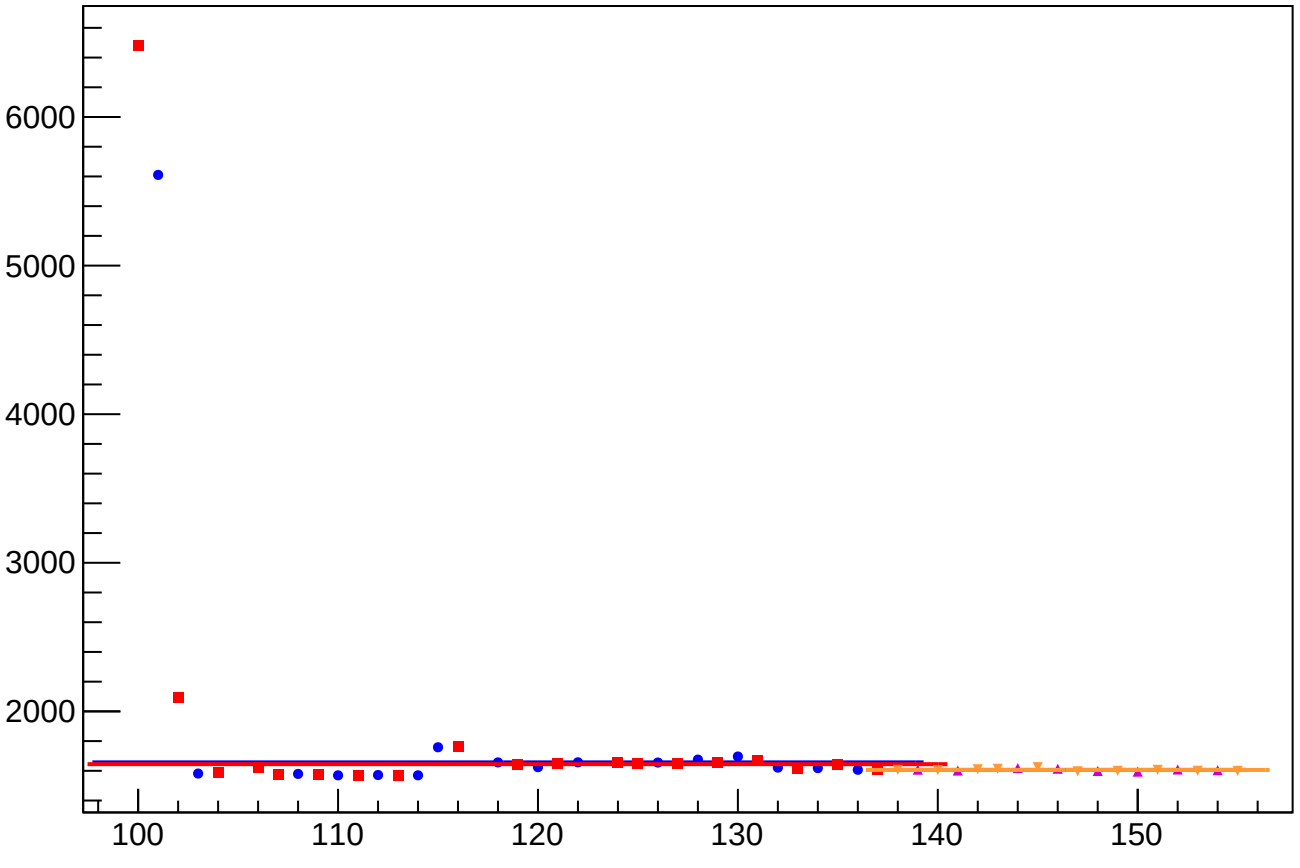
Left: 2728.643+/-416.374 χ^2/NDF: 32.1/17

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2780.720+/-436.882 χ^2/NDF:32.5/23

Out: 2367.165+/-417.503 χ^2/NDF:25.4/28

All: 2564.567+/-301.838 χ^2/NDF: 58.3/52



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1605.827+/-0.405 χ^2/NDF:384.6/9

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1606.179+/-0.429 χ^2/NDF:303.9/7

Left: 1605.993+/-0.294 χ^2/NDF: 688.9/17

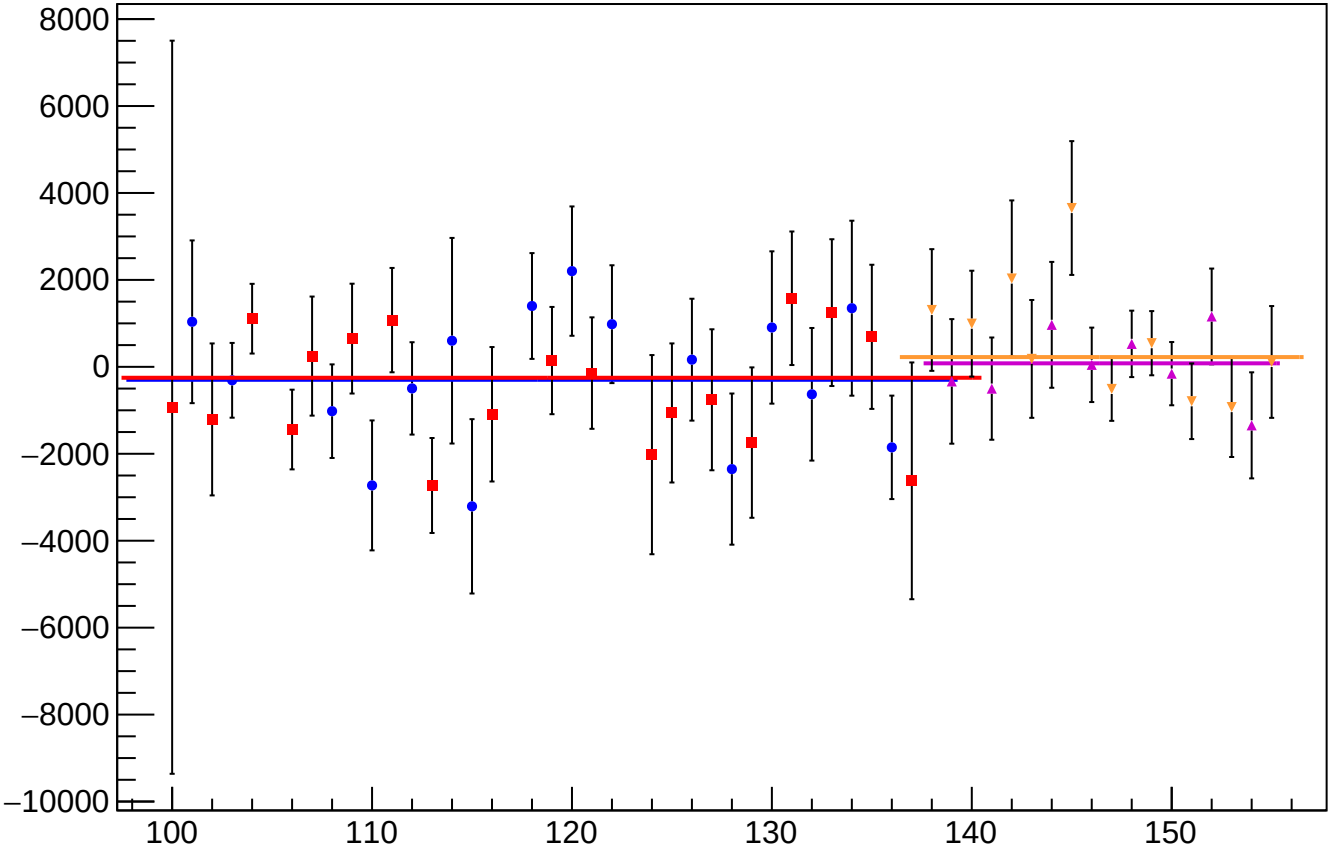
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1630.448+/-0.309 χ^2/NDF:673201.3/23

Out: 1624.073+/-0.295 χ^2/NDF:141192.9/28

All: 1627.116+/-0.213 χ^2/NDF: 814616.8/52

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: 224.393+/-336.423 χ^2/NDF:10.5/9

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 80.646+/-350.284 χ^2/NDF:3.5/7

Left: 155.420+/-242.639 χ^2/NDF: 14.1/17

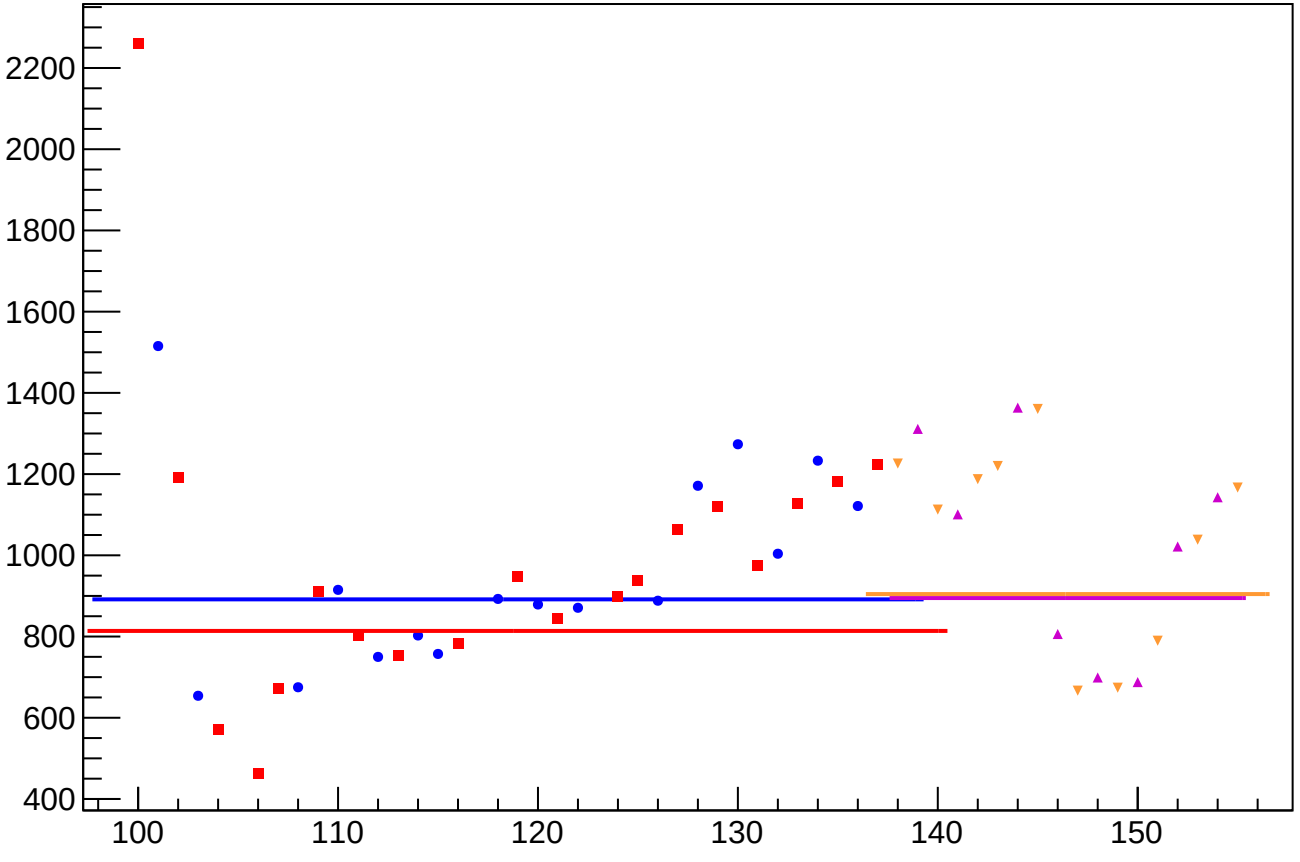
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -112.334+/-245.215 χ^2/NDF:20.0/23

Out: -28.481+/-230.230 χ^2/NDF:28.9/28

All: -67.767+/-167.845 χ^2/NDF: 48.9/52

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: 904.572+/-0.238 χ^2/NDF:1047383.2/9

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 894.769+/-0.248 χ^2/NDF:863914.1/7

Left: 899.869+/-0.172 χ^2/NDF: 1912112.1/17

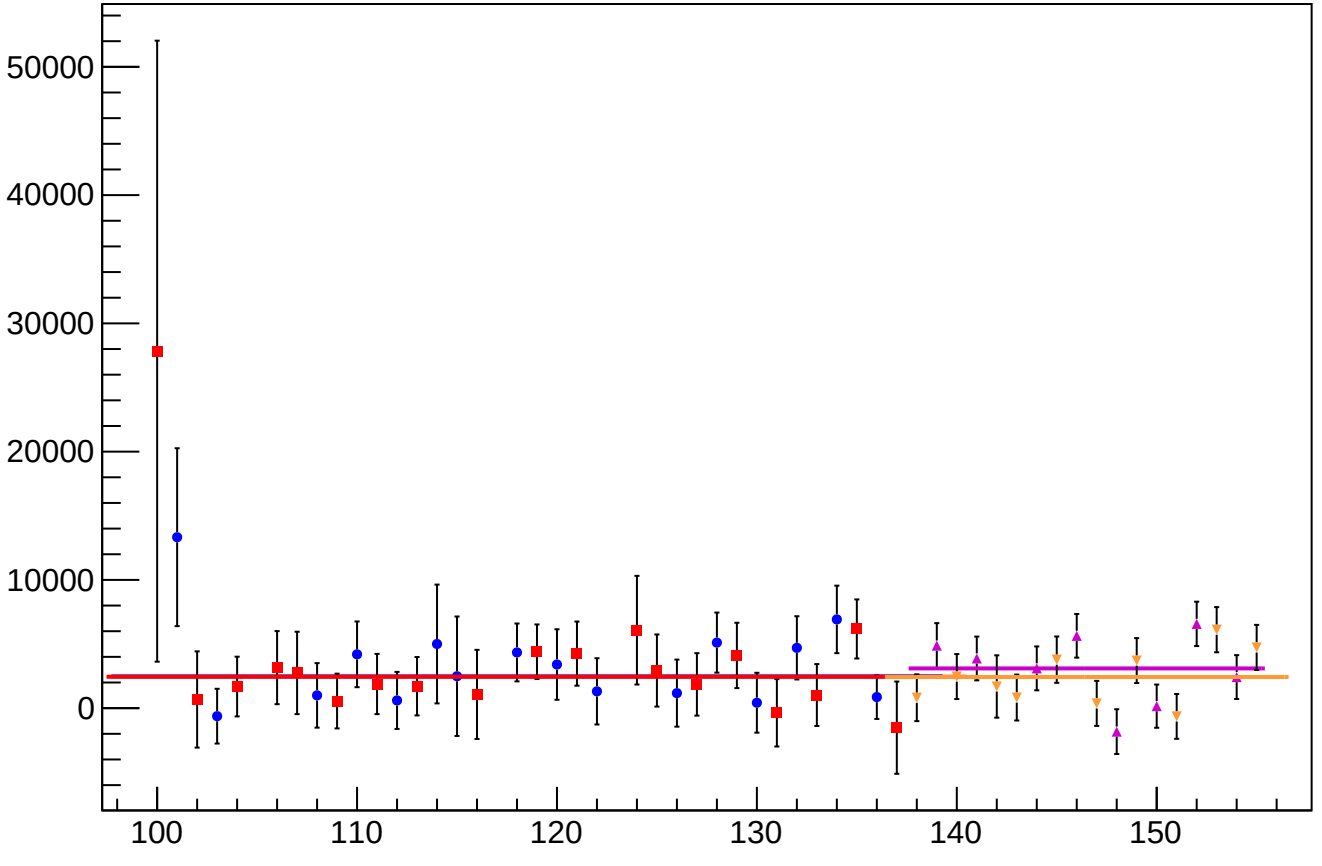
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 893.119+/-0.173 χ^2/NDF:1657658.3/23

Out: 856.315+/-0.163 χ^2/NDF:2177774.2/28

All: 873.558+/-0.119 χ^2/NDF: 3859377.4/52

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2427.649+/-573.879 χ^2/NDF:13.3/9

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 3098.441+/-607.018 χ^2/NDF:18.7/7

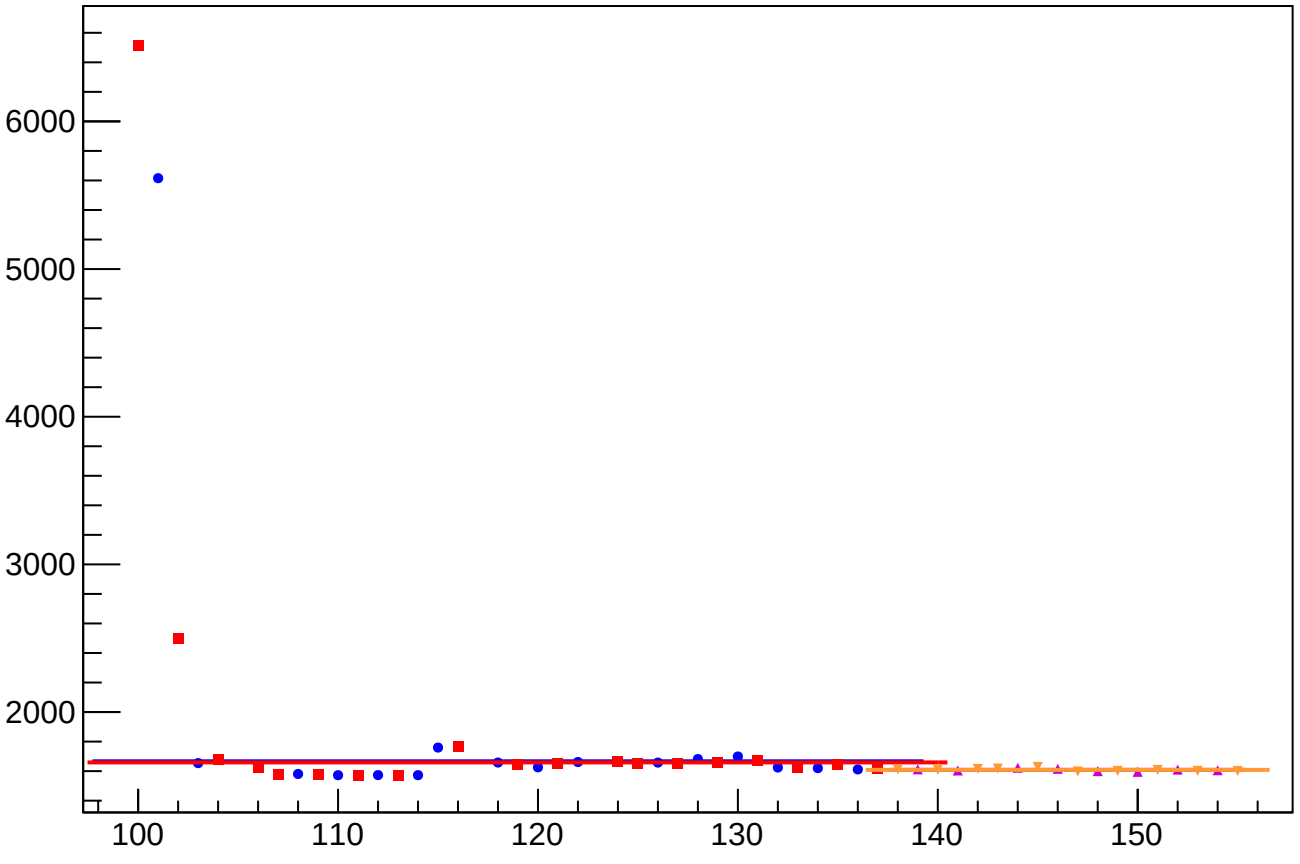
Left: 2744.236+/-417.017 χ^2/NDF: 32.7/17

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2800.313+/-438.411 χ^2/NDF:33.4/23

Out: 2437.568+/-420.380 χ^2/NDF:23.9/28

All: 2611.327+/-303.428 χ^2/NDF: 57.6/52



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1608.479+/-0.406 χ^2/NDF:487.4/9

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1608.434+/-0.429 χ^2/NDF:375.4/7

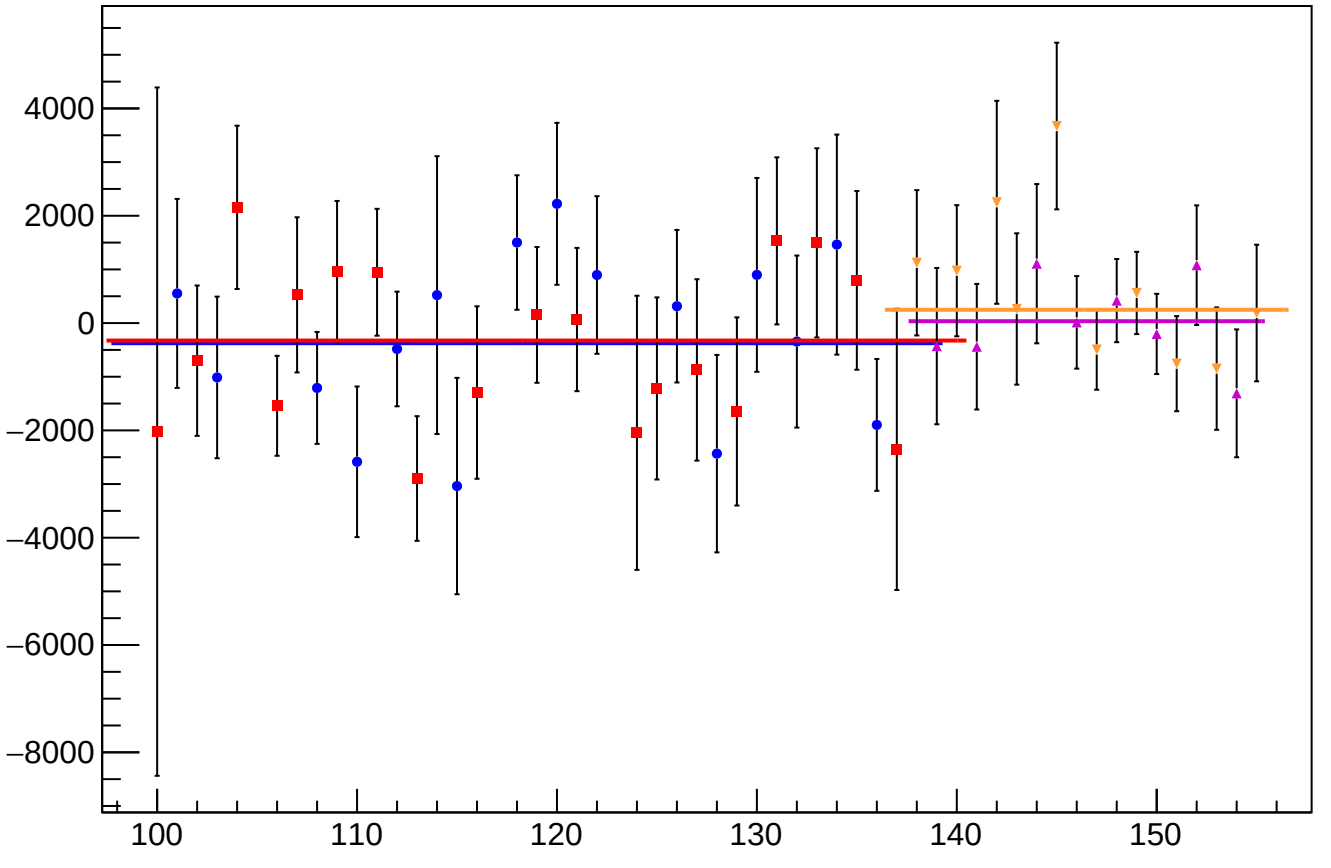
Left: 1608.458+/-0.295 χ^2/NDF: 862.9/17

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1636.164+/-0.310 χ^2/NDF:672014.3/23

Out: 1631.893+/-0.297 χ^2/NDF:200895.3/28

All: 1633.939+/-0.215 χ^2/NDF: 873008.5/52



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 248.077+/-341.840 χ^2/NDF:10.1/9

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 34.793+/-354.387 χ^2/NDF:3.3/7

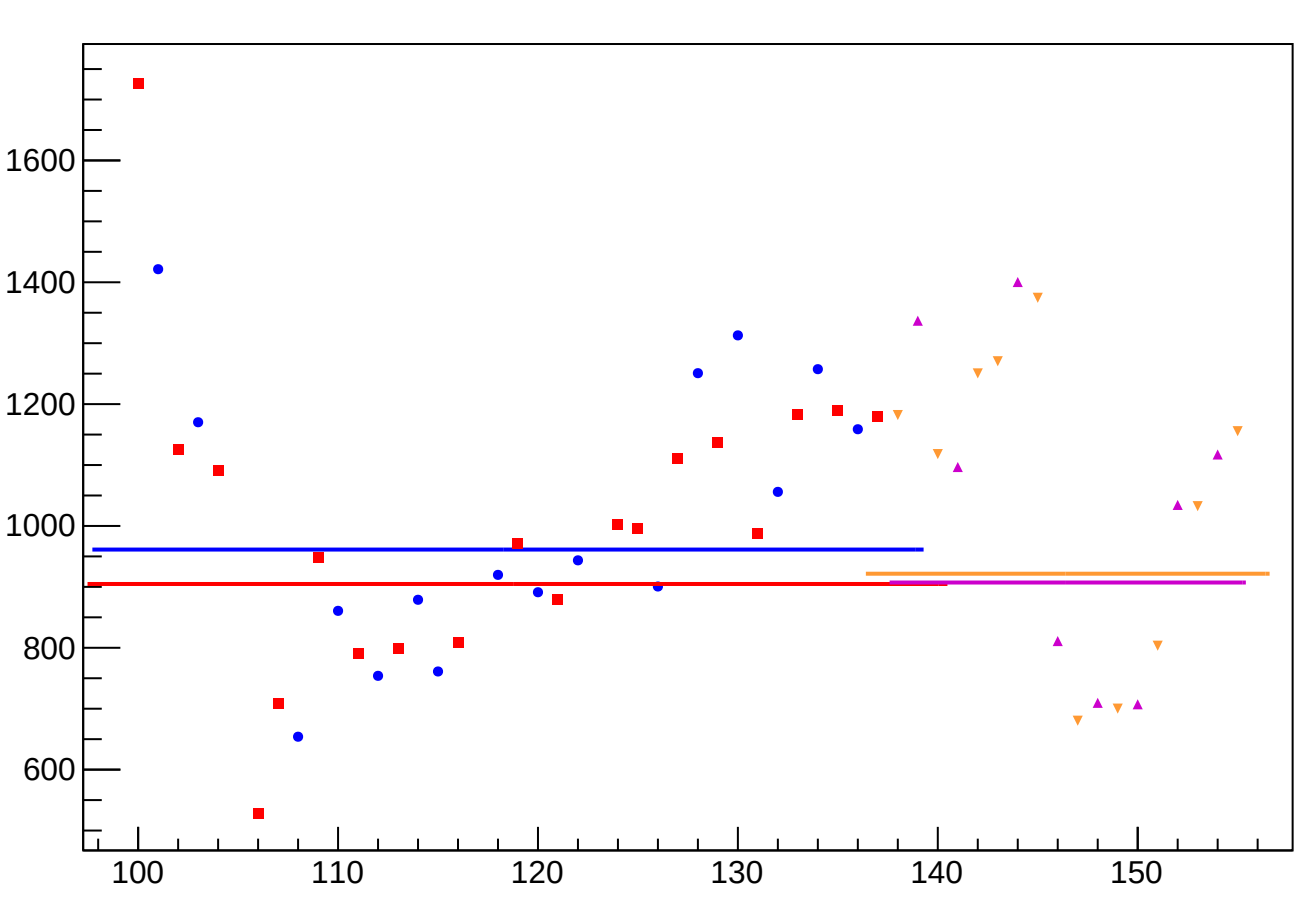
Left: 145.277+/-246.033 χ^2/NDF: 13.6/17

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -162.218+/-255.248 χ^2/NDF:19.7/23

Out: -39.822+/-241.285 χ^2/NDF:28.9/28

All: -97.581+/-175.343 χ^2/NDF: 48.7/52



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 921.599+/-0.242 χ^2/NDF:975156.0/9

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 907.139+/-0.251 χ^2/NDF:833503.5/7

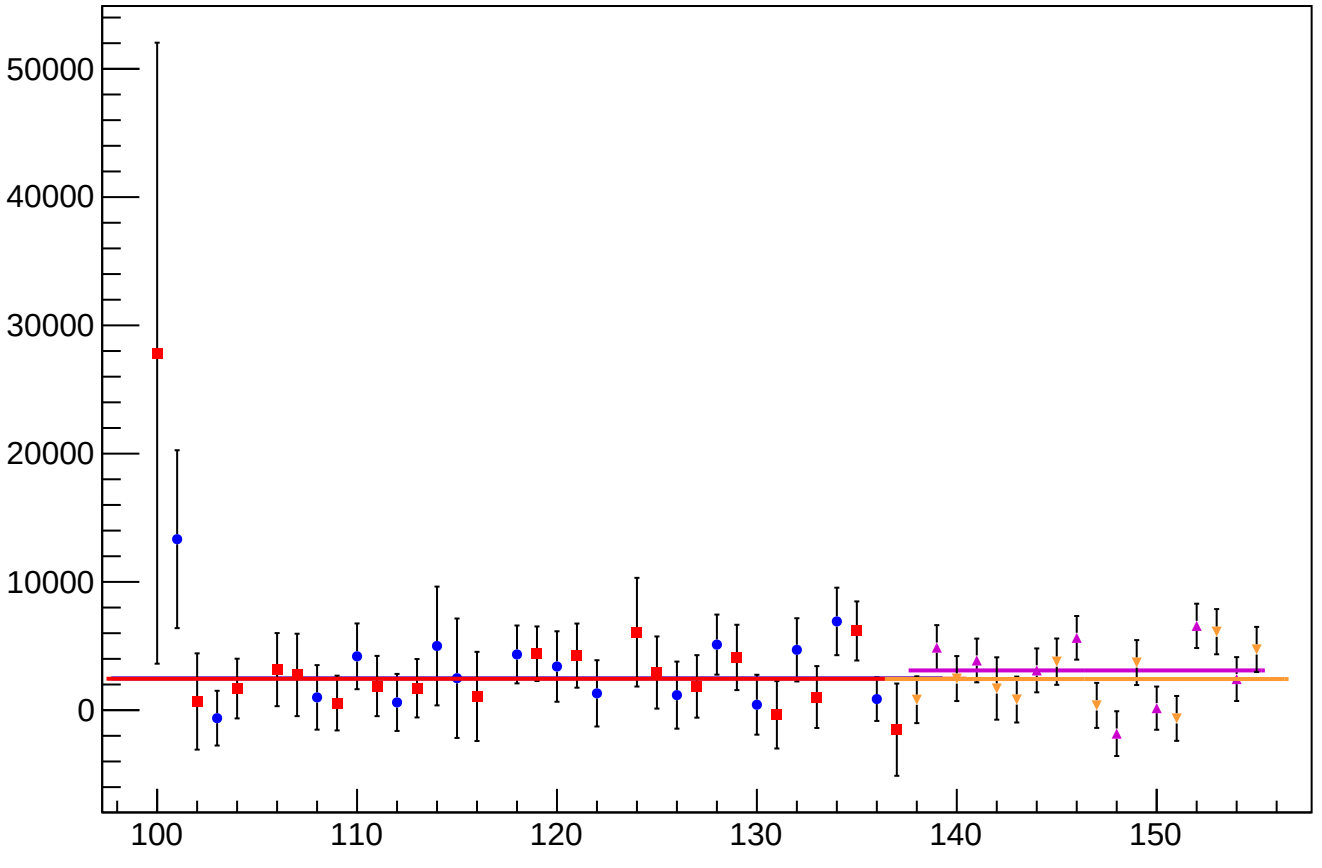
Left: 914.629+/-0.174 χ^2/NDF: 1810384.4/17

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 933.176+/-0.180 χ^2/NDF:1547812.0/23

Out: 913.137+/-0.171 χ^2/NDF:1714082.7/28

All: 922.593+/-0.124 χ^2/NDF: 3268404.1/52



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2427.649+/-573.879 χ^2/NDF:13.3/9

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 3098.441+/-607.018 χ^2/NDF:18.7/7

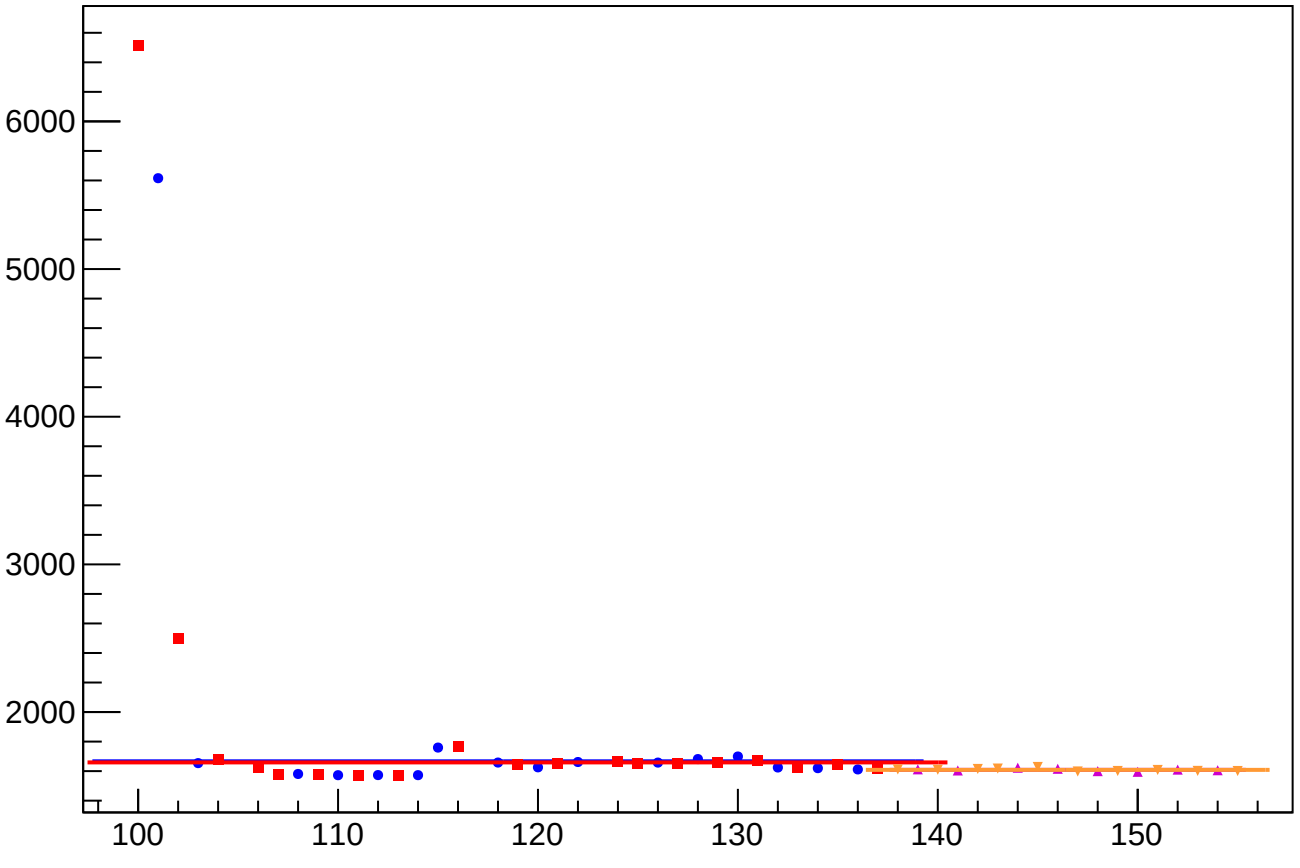
Left: 2744.236+/-417.017 χ^2/NDF: 32.7/17

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2800.312+/-438.411 χ^2/NDF:33.4/23

Out: 2437.568+/-420.380 χ^2/NDF:23.9/28

All: 2611.328+/-303.428 χ^2/NDF: 57.6/52



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1608.479+/-0.406 χ^2/NDF:487.4/9

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1608.434+/-0.429 χ^2/NDF:375.4/7

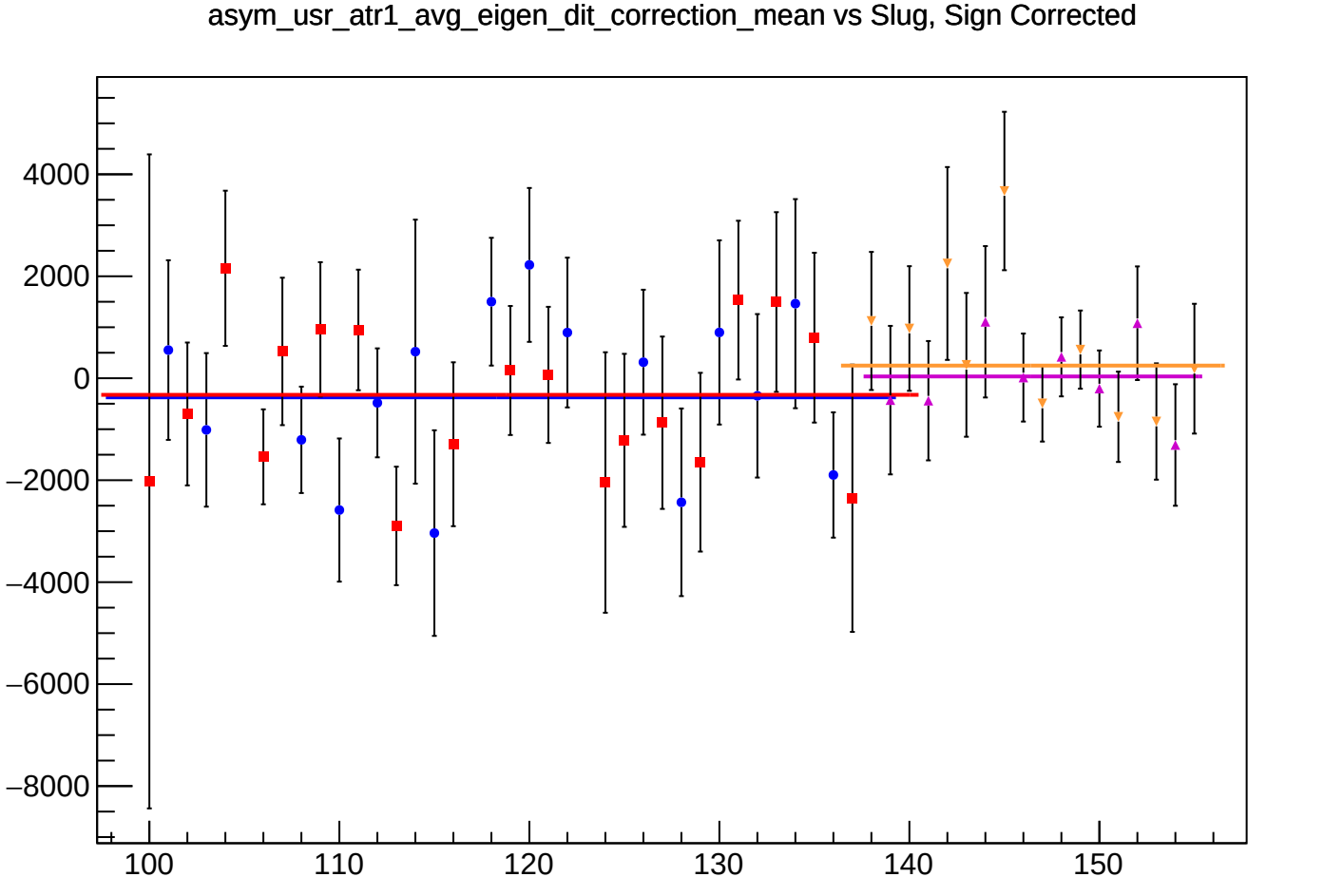
Left: 1608.458+/-0.295 χ^2/NDF: 862.9/17

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1636.163+/-0.310 χ^2/NDF:672014.2/23

Out: 1631.893+/-0.297 χ^2/NDF:200895.1/28

All: 1633.939+/-0.215 χ^2/NDF: 873008.2/52



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 248.076+/-341.841 χ^2/NDF:10.1/9

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 34.794+/-354.388 χ^2/NDF:3.3/7

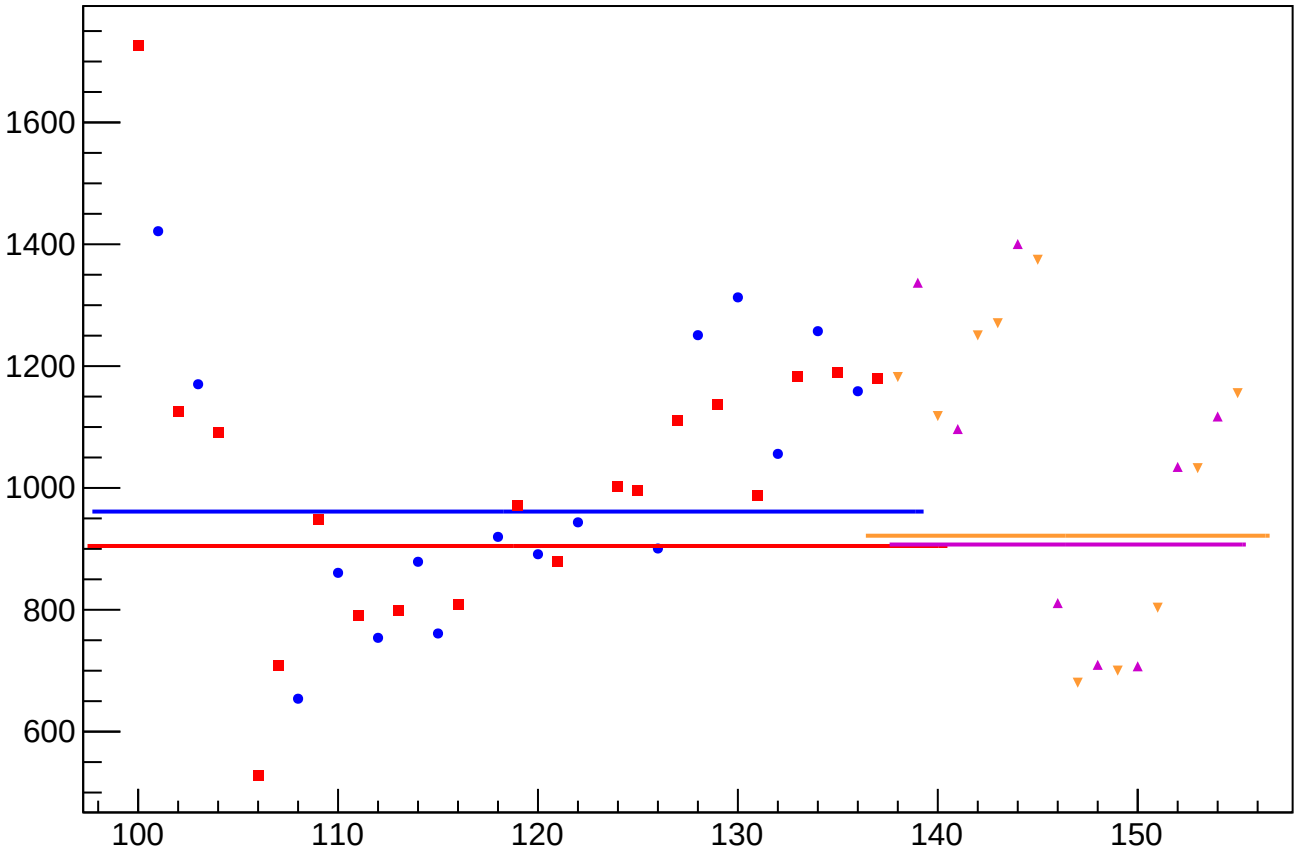
Left: 145.277+/-246.034 χ^2/NDF: 13.6/17

Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -162.219+/-255.248 χ^2/NDF:19.7/23

Out: -39.824+/-241.285 χ^2/NDF:28.9/28

All: -97.582+/-175.343 χ^2/NDF: 48.7/52



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 921.601+/-0.242 χ^2/NDF:975157.7/9

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 907.141+/-0.251 χ^2/NDF:833505.5/7

Left: 914.631+/-0.174 χ^2/NDF: 1810388.1/17

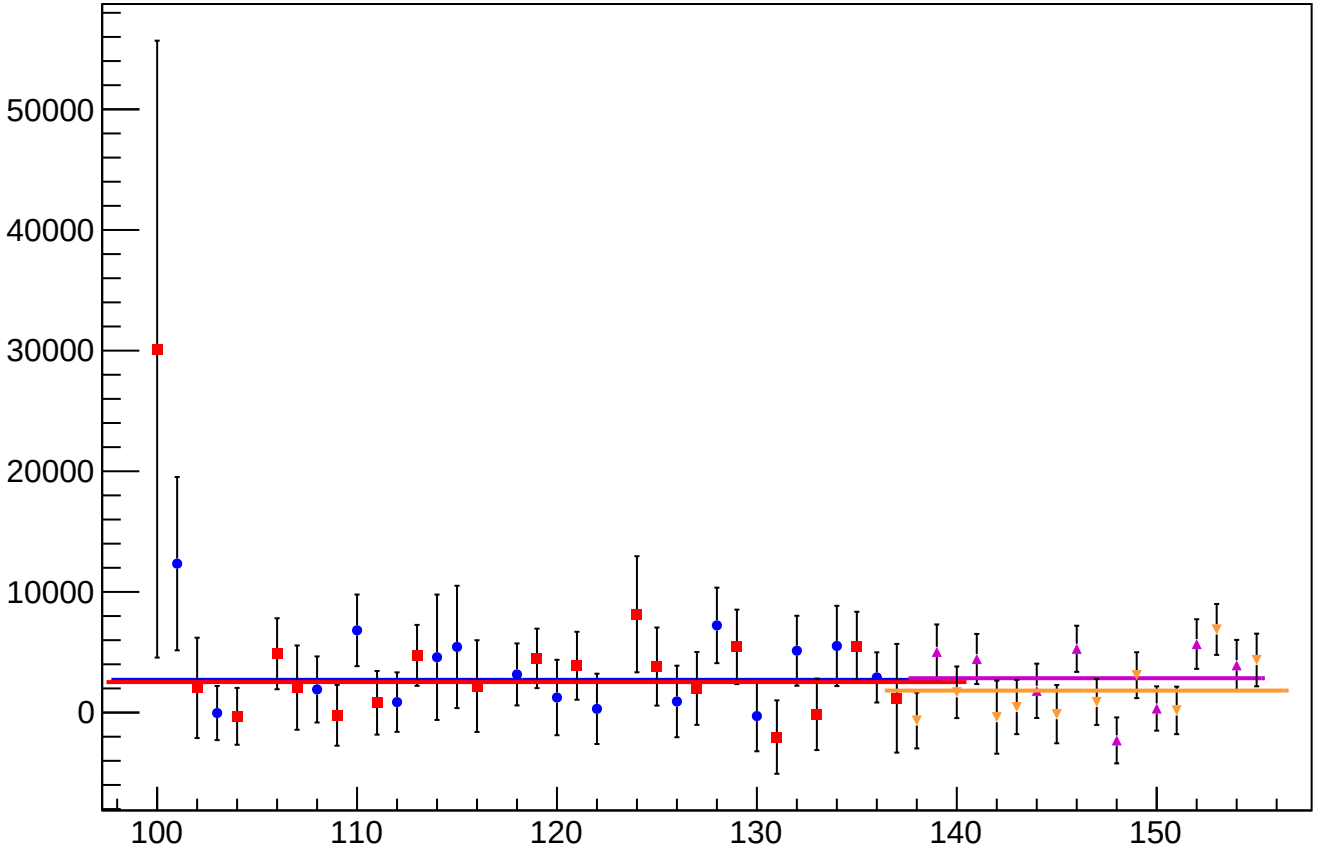
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 933.175+/-0.180 χ^2/NDF:1547817.3/23

Out: 913.137+/-0.171 χ^2/NDF:1714083.2/28

All: 922.593+/-0.124 χ^2/NDF: 3268409.6/52

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 1822.121+/-685.464 χ^2/NDF:11.2/9

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2847.072+/-719.798 χ^2/NDF:14.7/7

Left: 2309.570+/-496.390 χ^2/NDF: 27.0/17

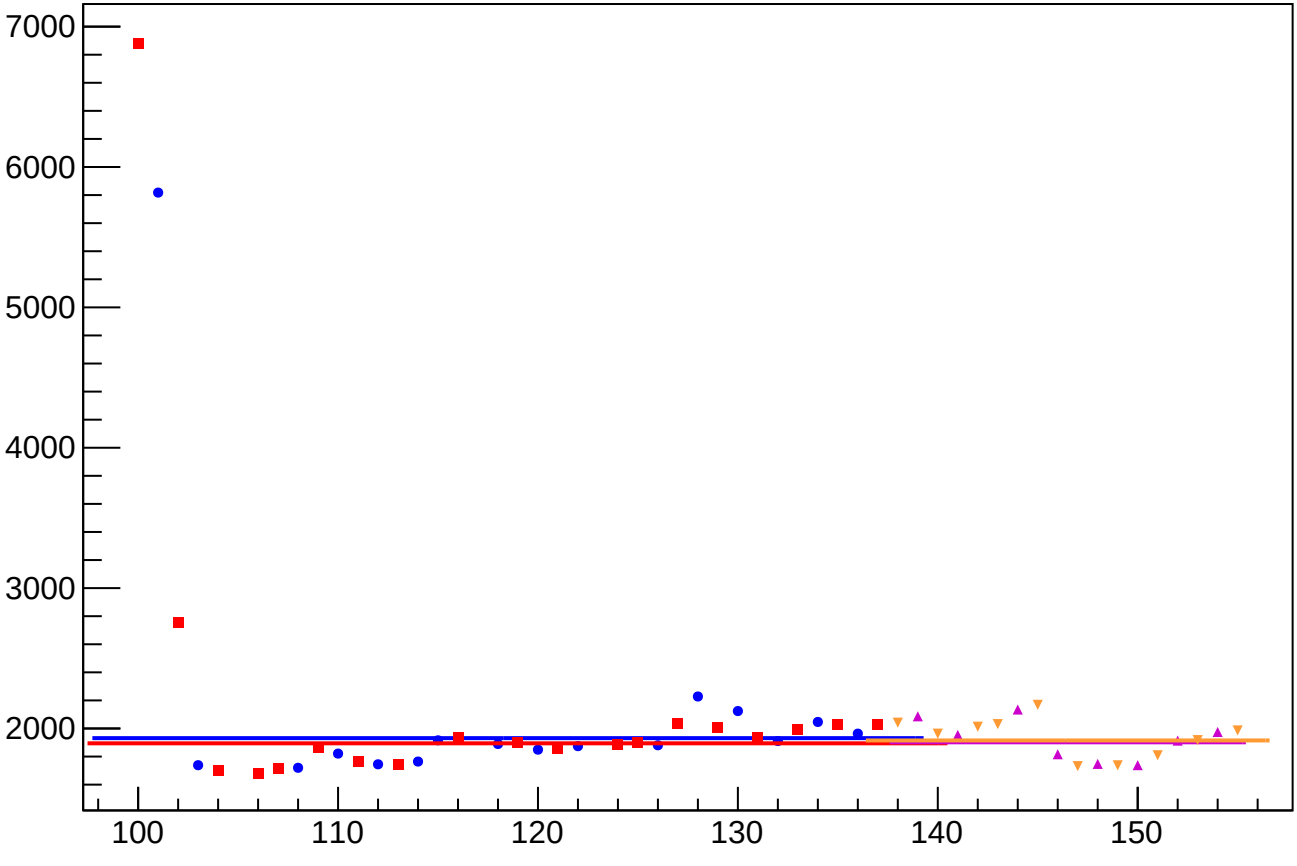
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2780.659+/-514.295 χ^2/NDF:26.8/23

Out: 2163.226+/-491.948 χ^2/NDF:25.0/28

All: 2458.237+/-355.497 χ^2/NDF: 52.6/52

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1914.800+/-0.485 χ^2/NDF:80283.1/9

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1901.460+/-0.509 χ^2/NDF:71279.5/7

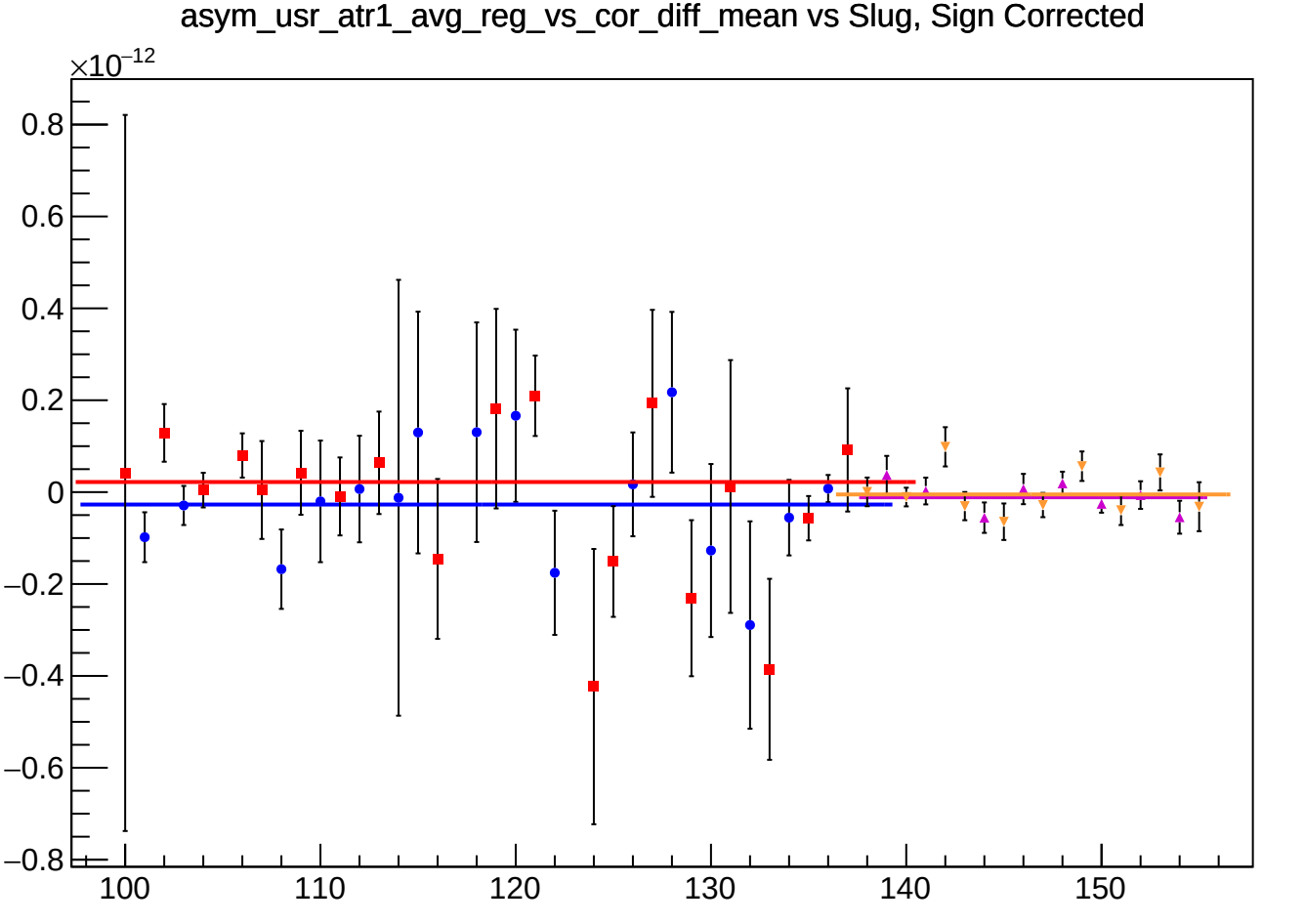
Left: 1908.456+/-0.351 χ^2/NDF: 151922.9/17

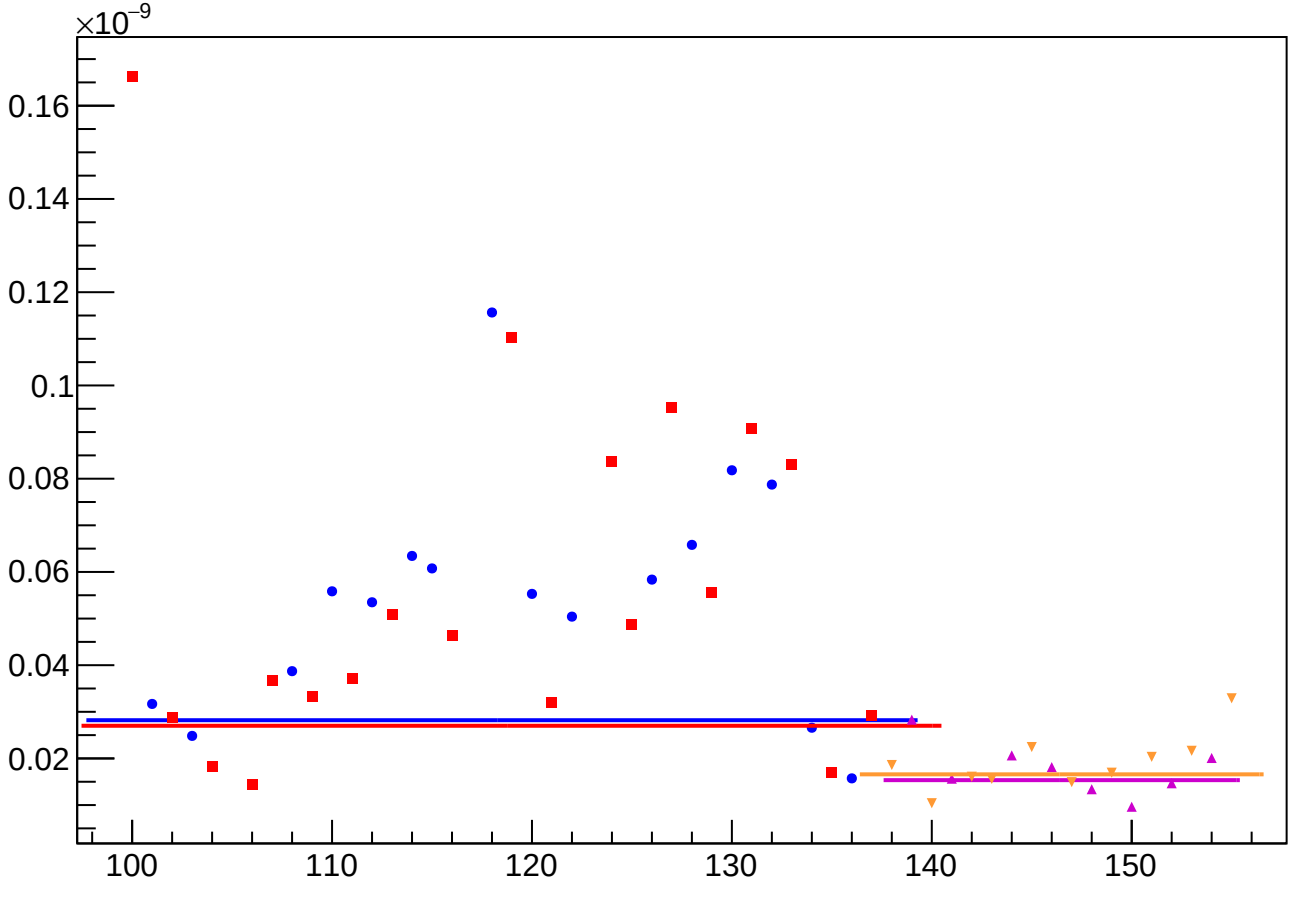
Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1916.042+/-0.364 χ^2/NDF:734183.4/23

Out: 1904.882+/-0.348 χ^2/NDF:301687.5/28

All: 1910.215+/-0.251 χ^2/NDF: 1036362.7/52


asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 12.7/15
Left Out: -0.000+/-0.000 χ²/NDF:16.2/9
Right Out: 0.000+/-0.000 χ²/NDF: 25.4/18
Left In: -0.000+/-0.000 χ²/NDF:7.1/7
Left: -0.000+/-0.000 χ²/NDF: 23.5/17
Right: -0.000+/-0.000 χ²/NDF: 41.4/34
In: -0.000+/-0.000 χ²/NDF:20.4/23
Out: 0.000+/-0.000 χ²/NDF:43.2/28
All: -0.000+/-0.000 χ²/NDF: 65.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:495740.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:482885.0/7

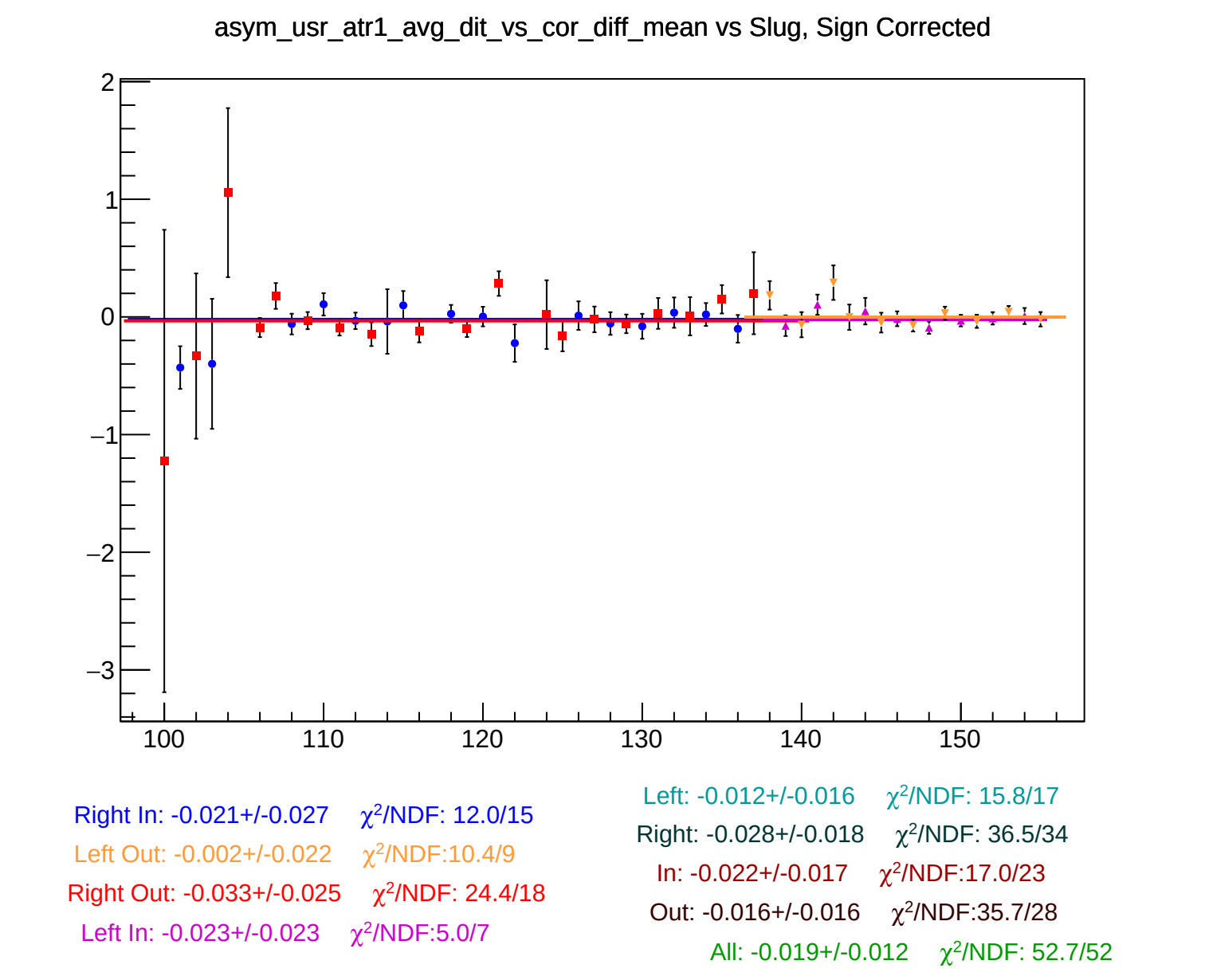
Left: 0.000+/-0.000 χ^2/NDF: 993915.1/17

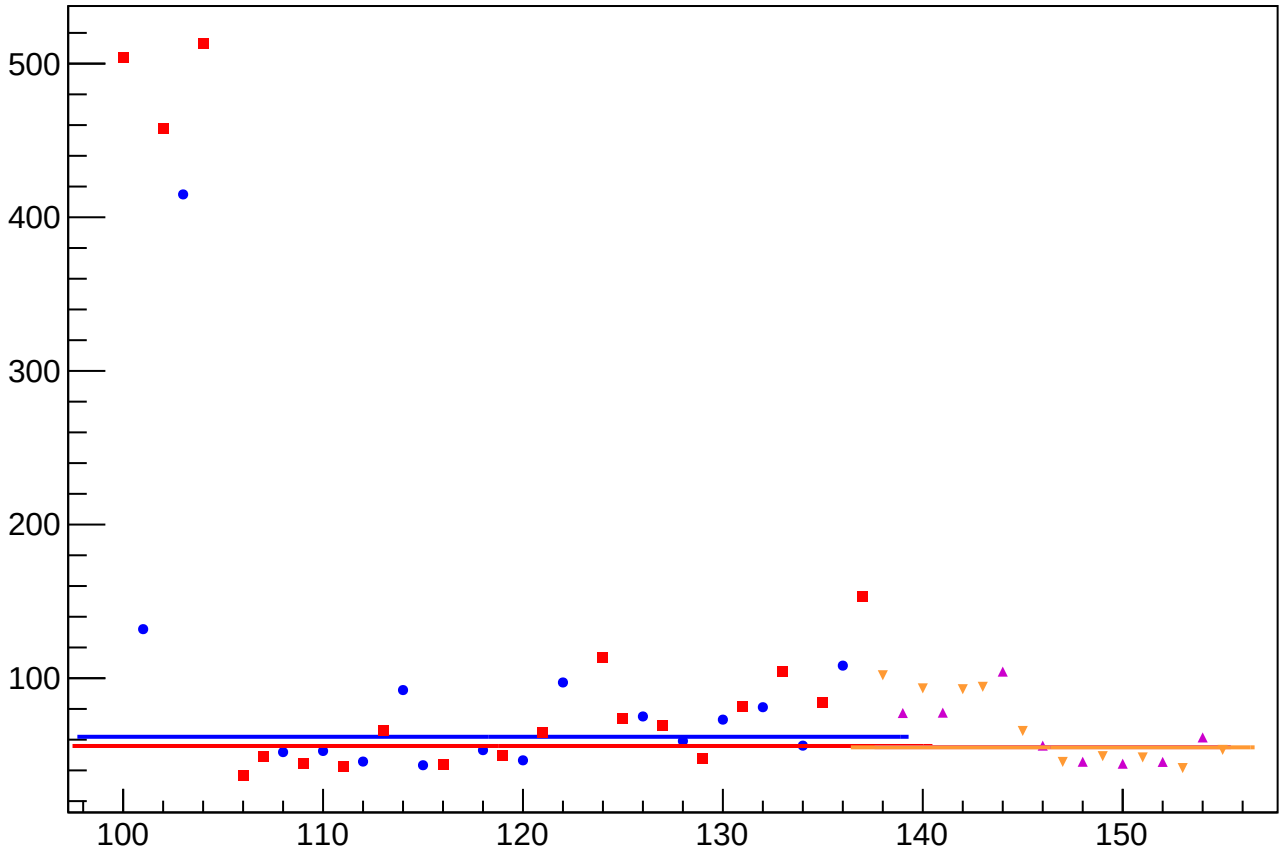
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:2675764.0/23

Out: 0.000+/-0.000 χ^2/NDF:2509533.3/28

All: 0.000+/-0.000 χ^2/NDF: 5189940.1/52


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.002+/-0.022 χ²/NDF:10.4/9
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.023+/-0.023 χ²/NDF:5.0/7
Left: -0.012+/-0.016 χ²/NDF: 15.8/17
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.022+/-0.017 χ²/NDF:17.0/23
Out: -0.016+/-0.016 χ²/NDF:35.7/28
All: -0.019+/-0.012 χ²/NDF: 52.7/52



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 55.009+/-0.015 χ^2/NDF:1249010.6/9

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 55.161+/-0.016 χ^2/NDF:890358.5/7

Left: 55.082+/-0.011 χ^2/NDF: 2139416.2/17

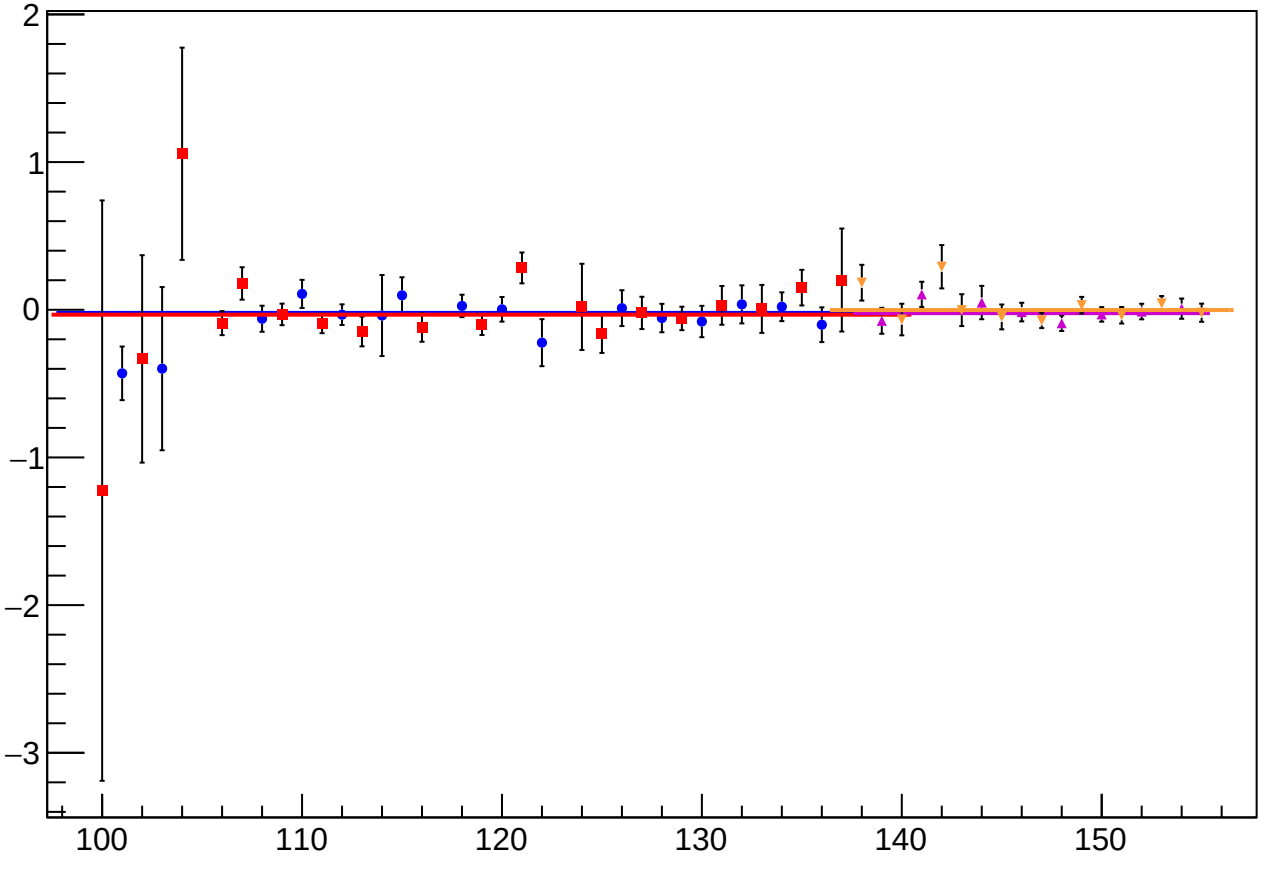
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 57.990+/-0.012 χ^2/NDF:2902303.4/23

Out: 55.397+/-0.012 χ^2/NDF:3841711.9/28

All: 56.624+/-0.008 χ^2/NDF: 6767865.3/52

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: -0.002+/-0.022 χ^2/NDF:10.4/9

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.023+/-0.023 χ^2/NDF:5.0/7

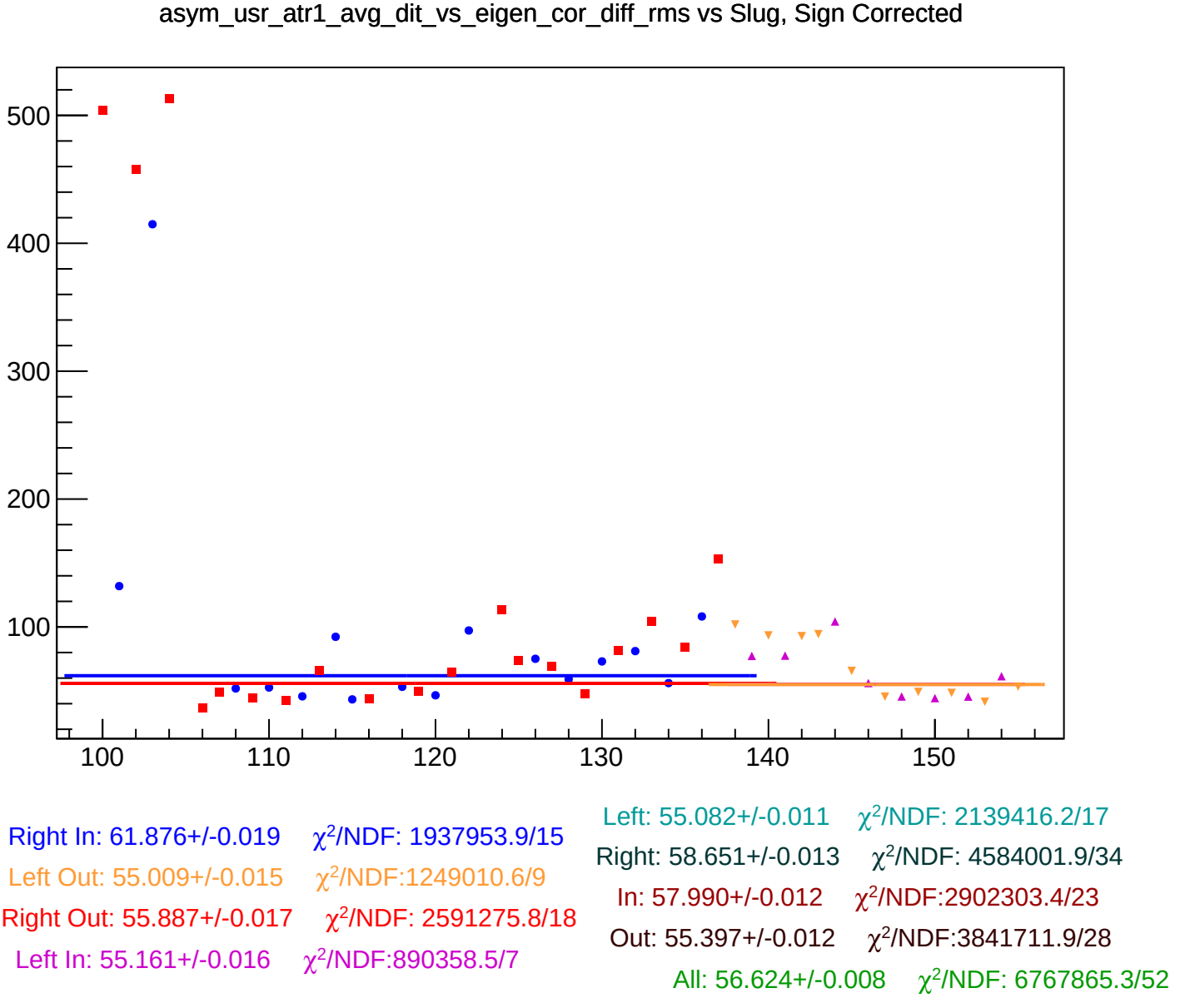
Left: -0.012+/-0.016 χ^2/NDF: 15.8/17

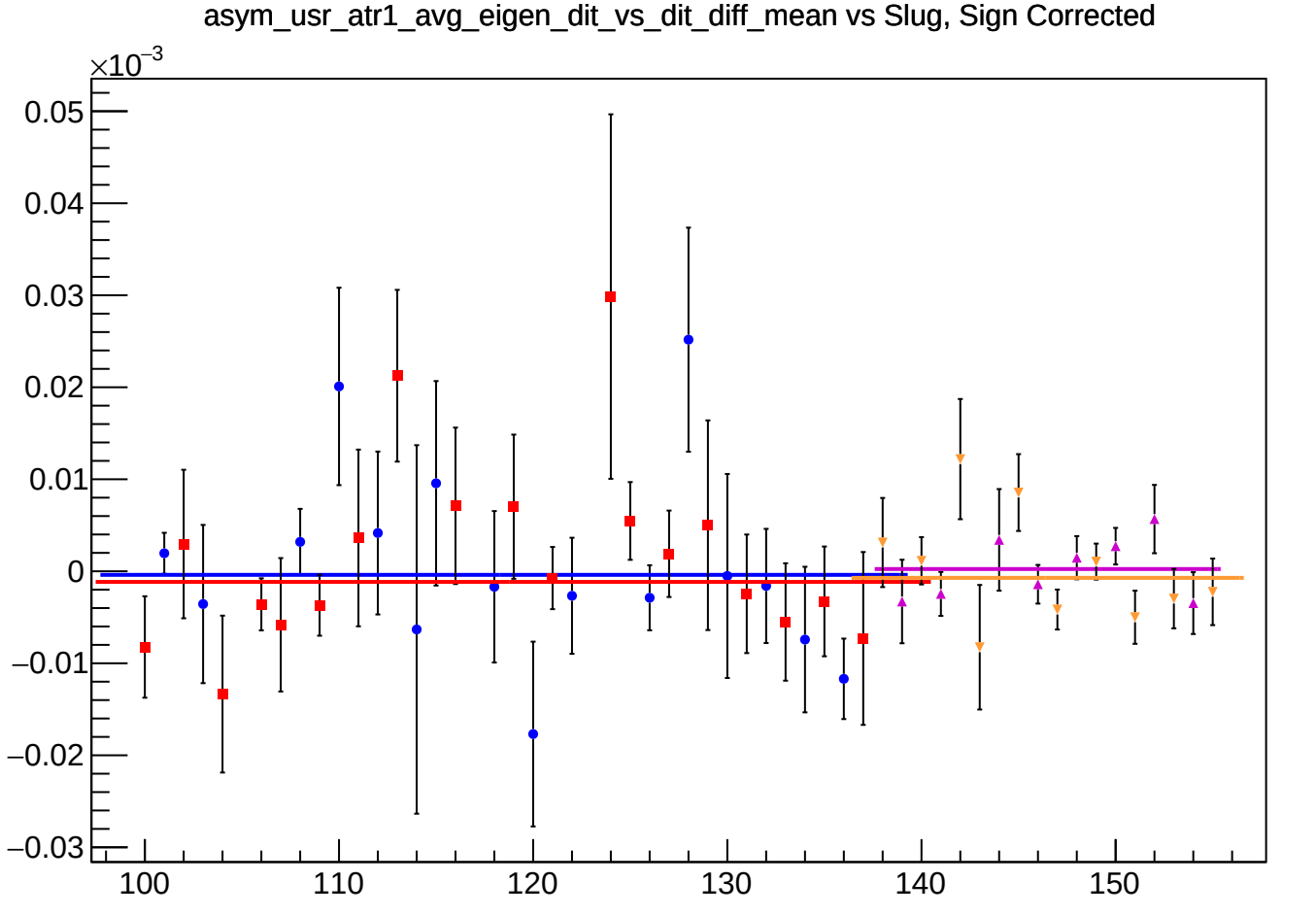
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.022+/-0.017 χ^2/NDF:17.0/23

Out: -0.016+/-0.016 χ^2/NDF:35.7/28

All: -0.019+/-0.012 χ^2/NDF: 52.7/52


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
100
110
120
130
140
150
Right In: 61.876+/-0.019 χ²/NDF: 1937953.9/15
Left Out: 55.009+/-0.015 χ²/NDF:1249010.6/9
Right Out: 55.887+/-0.017 χ²/NDF: 2591275.8/18
Left In: 55.161+/-0.016 χ²/NDF:890358.5/7
Left: 55.082+/-0.011 χ²/NDF: 2139416.2/17
Right: 58.651+/-0.013 χ²/NDF: 4584001.9/34
In: 57.990+/-0.012 χ²/NDF:2902303.4/23
Out: 55.397+/-0.012 χ²/NDF:3841711.9/28
All: 56.624+/-0.008 χ²/NDF: 6767865.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/7

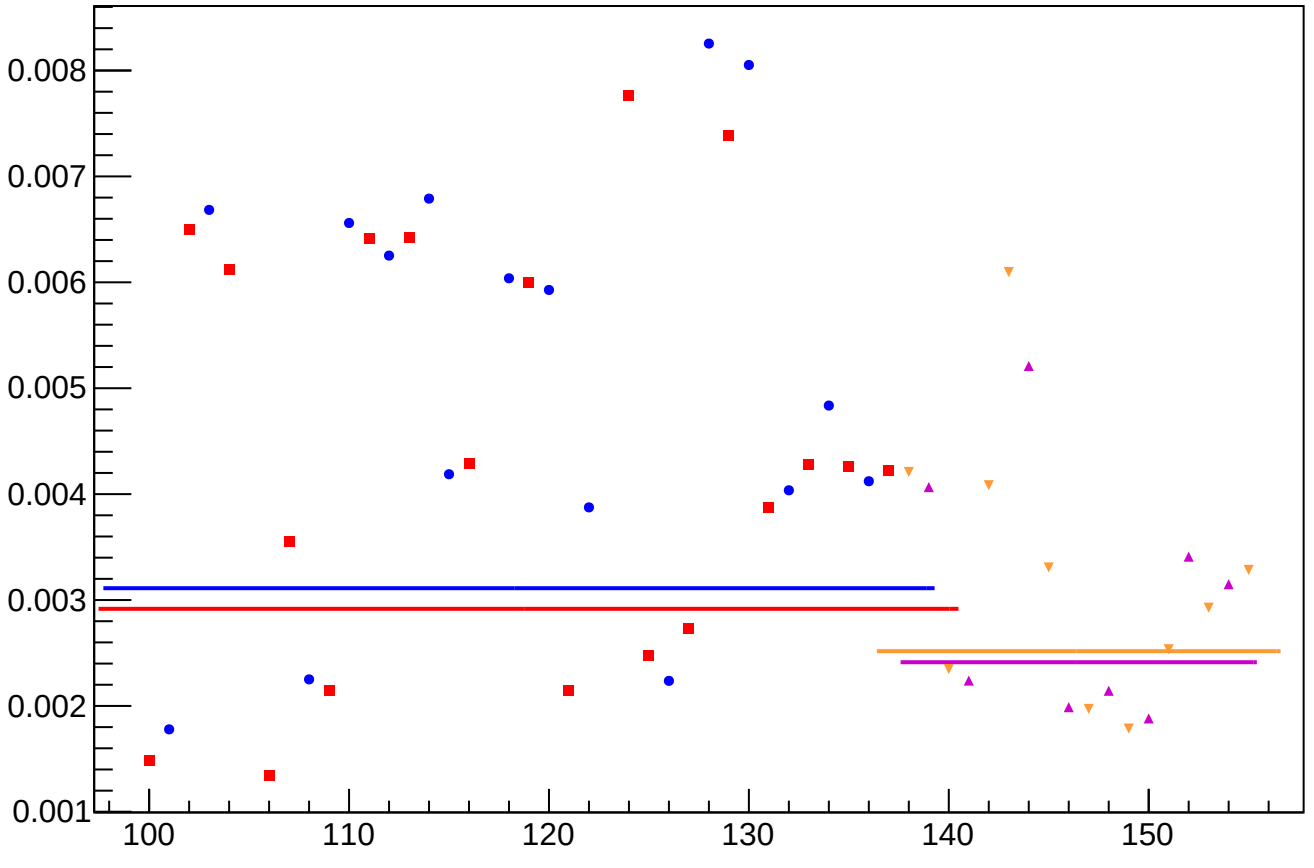
Left: -0.000+/-0.000 χ^2/NDF: 25.9/17

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:30.7/23

Out: -0.000+/-0.000 χ^2/NDF:38.0/28

All: -0.000+/-0.000 χ^2/NDF: 69.4/52



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:1526660.3/9

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1279900.3/7

Left: 0.002+/-0.000 χ^2/NDF: 2818181.9/17

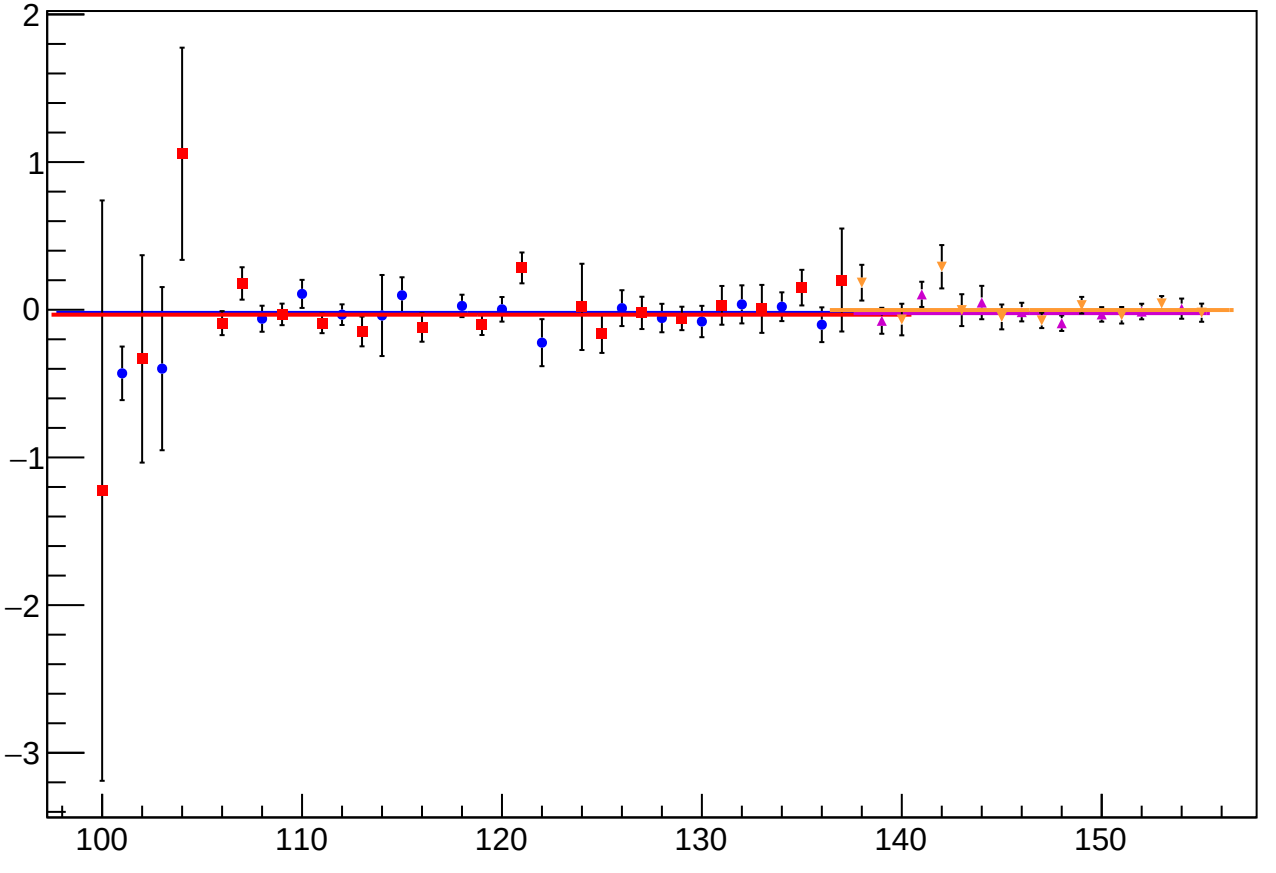
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.003+/-0.000 χ^2/NDF:4925815.6/23

Out: 0.003+/-0.000 χ^2/NDF:4949838.0/28

All: 0.003+/-0.000 χ^2/NDF: 9875989.0/52

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: -0.002+/-0.022 χ^2/NDF:10.4/9

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.023+/-0.023 χ^2/NDF:5.0/7

Left: -0.012+/-0.016 χ^2/NDF: 15.8/17

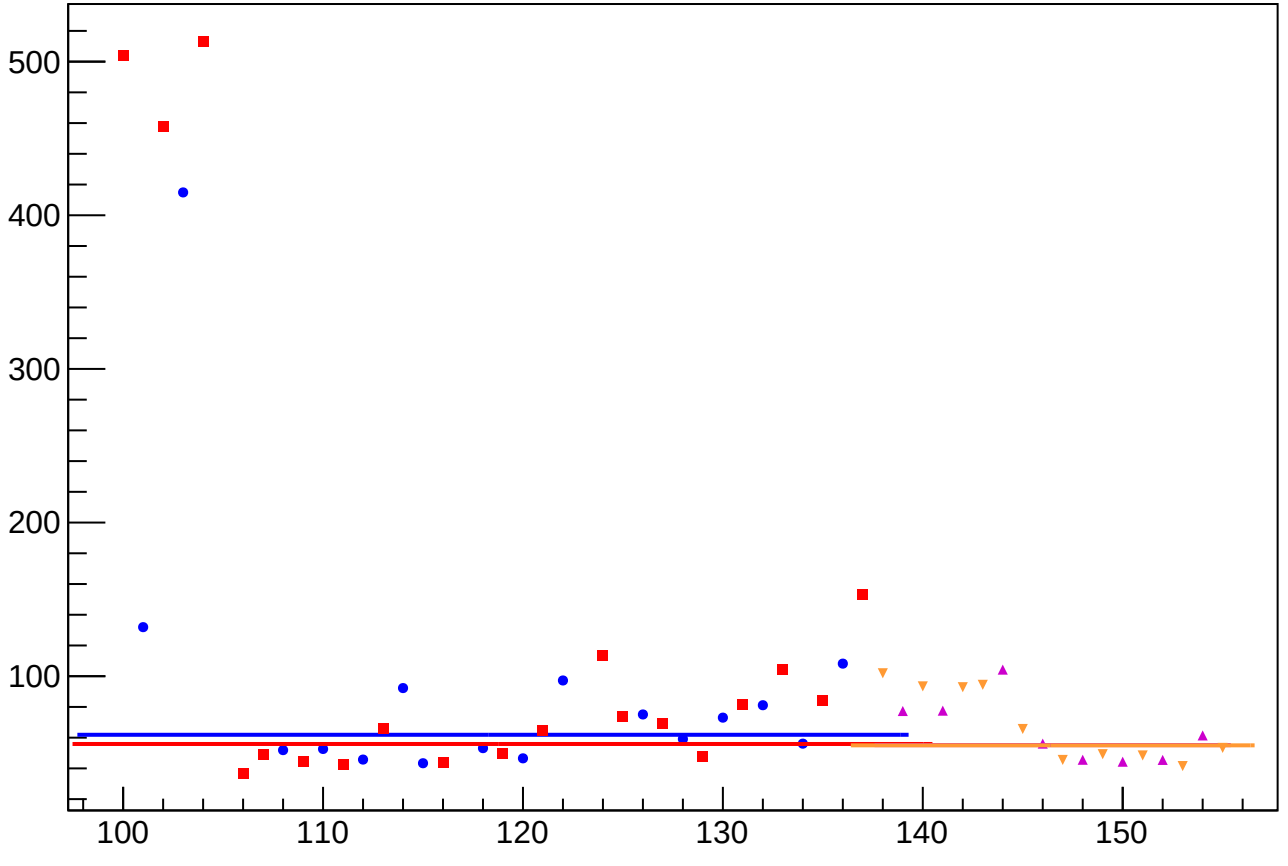
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.022+/-0.017 χ^2/NDF:17.0/23

Out: -0.016+/-0.016 χ^2/NDF:35.7/28

All: -0.019+/-0.012 χ^2/NDF: 52.7/52

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 55.008+/-0.015 χ^2/NDF:1249055.9/9

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 55.162+/-0.016 χ^2/NDF:890341.3/7

Left: 55.082+/-0.011 χ^2/NDF: 2139444.6/17

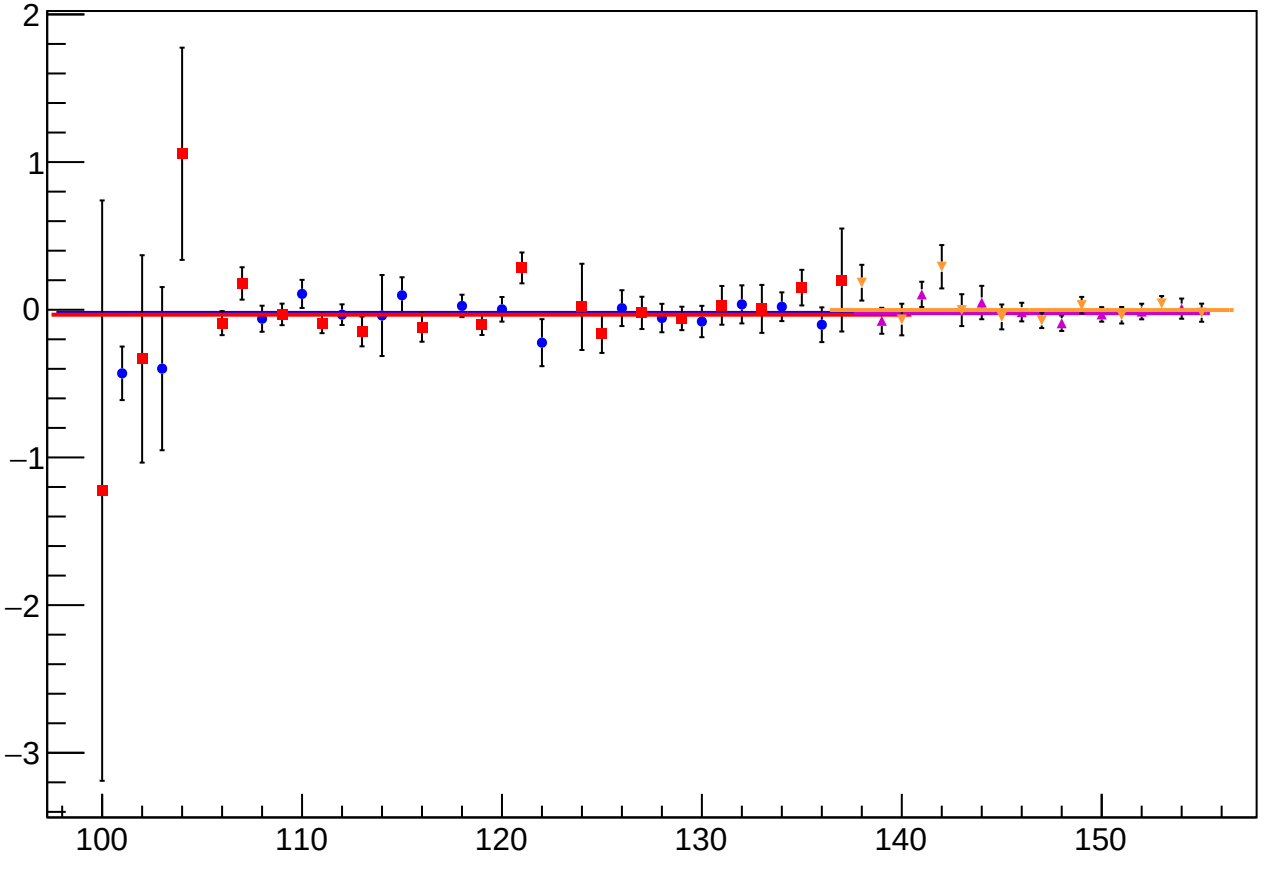
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.990+/-0.012 χ^2/NDF:2902218.7/23

Out: 55.396+/-0.012 χ^2/NDF:3841714.0/28

All: 56.624+/-0.008 χ^2/NDF: 6767791.5/52

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: -0.002+/-0.022 χ^2/NDF:10.4/9

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.023+/-0.023 χ^2/NDF:5.0/7

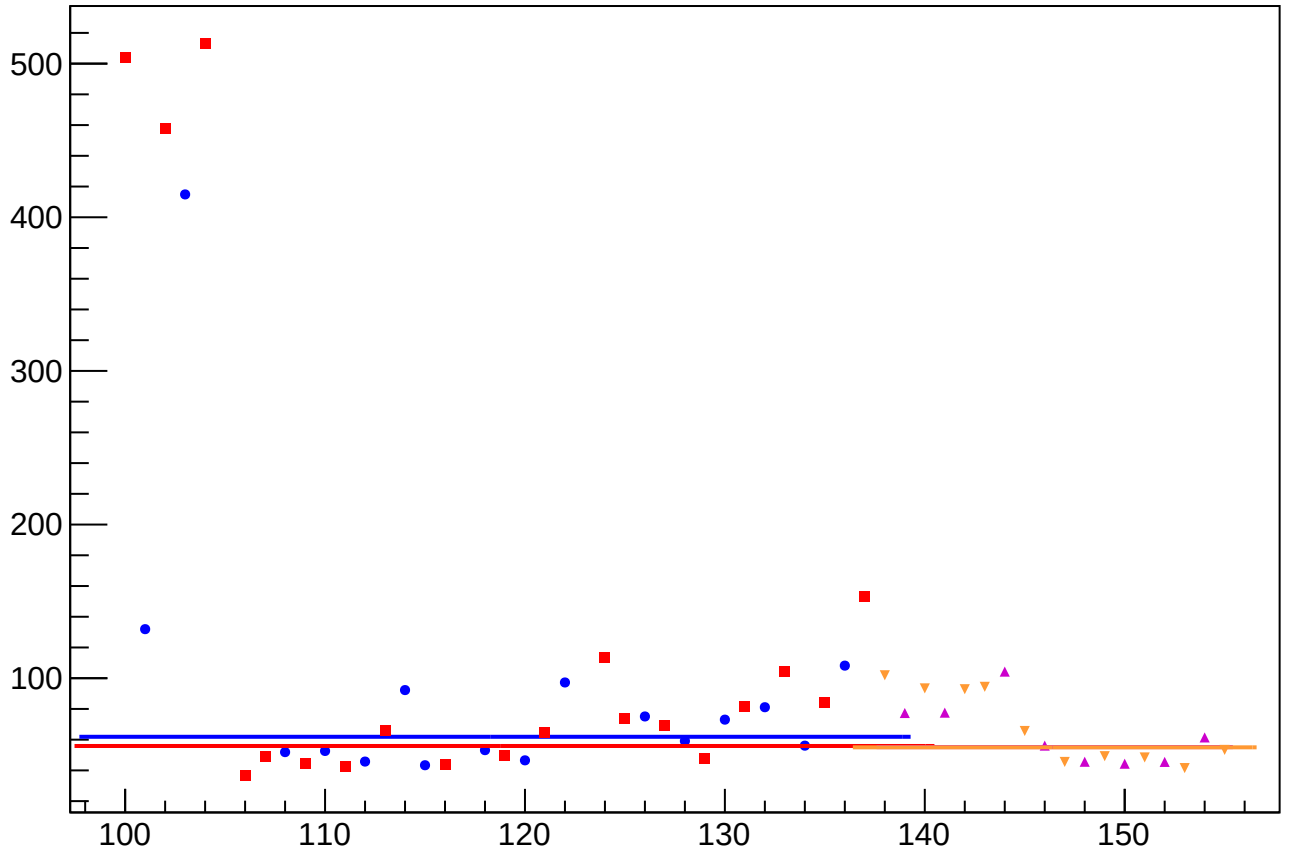
Left: -0.012+/-0.016 χ^2/NDF: 15.8/17

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.022+/-0.017 χ^2/NDF:17.0/23

Out: -0.016+/-0.016 χ^2/NDF:35.7/28

All: -0.019+/-0.012 χ^2/NDF: 52.7/52



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 55.008+/-0.015 χ^2/NDF:1249055.9/9

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 55.162+/-0.016 χ^2/NDF:890341.3/7

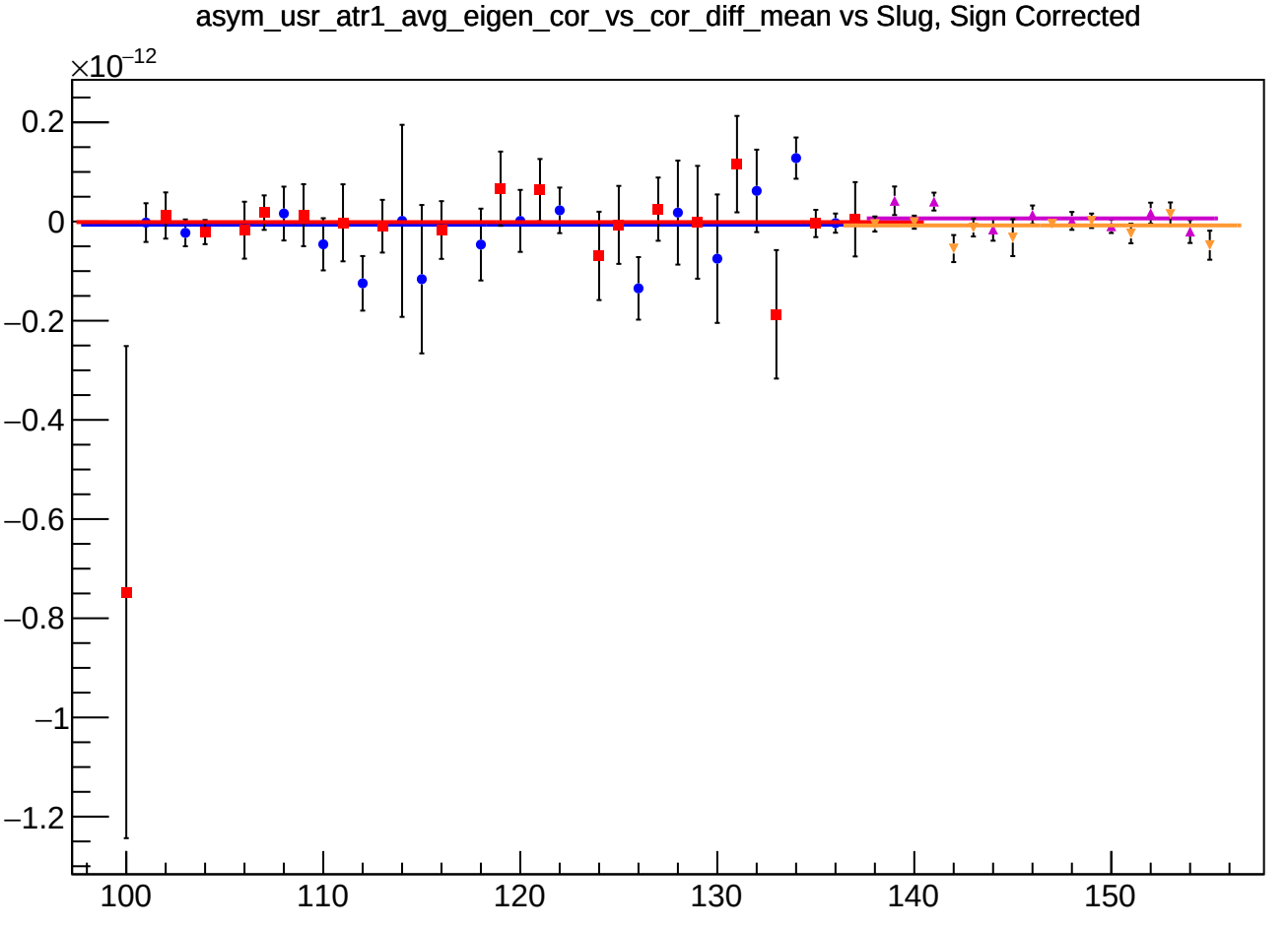
Left: 55.082+/-0.011 χ^2/NDF: 2139444.6/17

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.990+/-0.012 χ^2/NDF:2902218.7/23

Out: 55.396+/-0.012 χ^2/NDF:3841714.0/28

All: 56.624+/-0.008 χ^2/NDF: 6767791.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/7

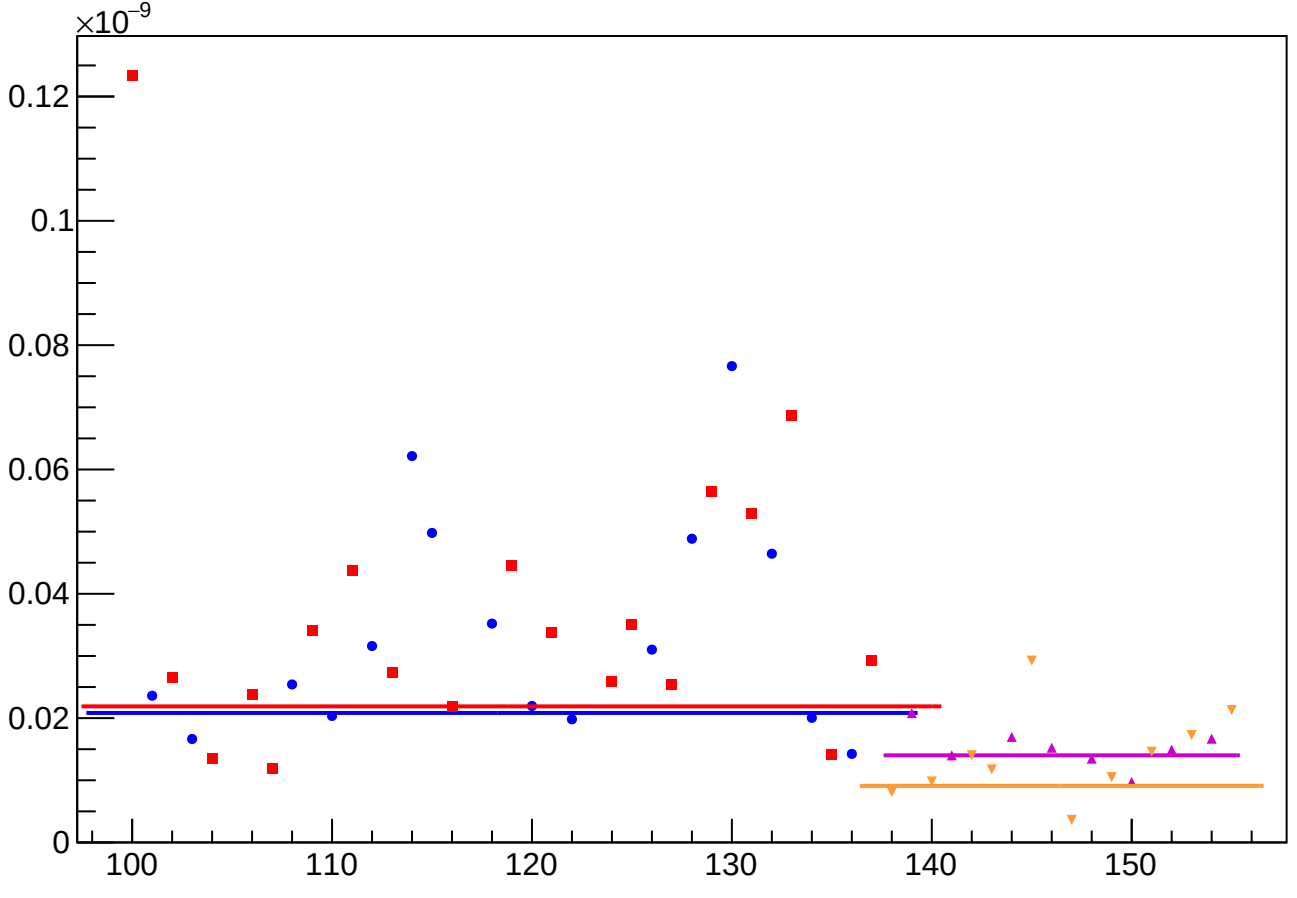
Left: -0.000+/-0.000 χ^2/NDF: 19.6/17

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: 0.000+/-0.000 χ^2/NDF:32.6/23

Out: -0.000+/-0.000 χ^2/NDF:17.7/28

All: -0.000+/-0.000 χ^2/NDF: 52.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2330913.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:381127.9/7

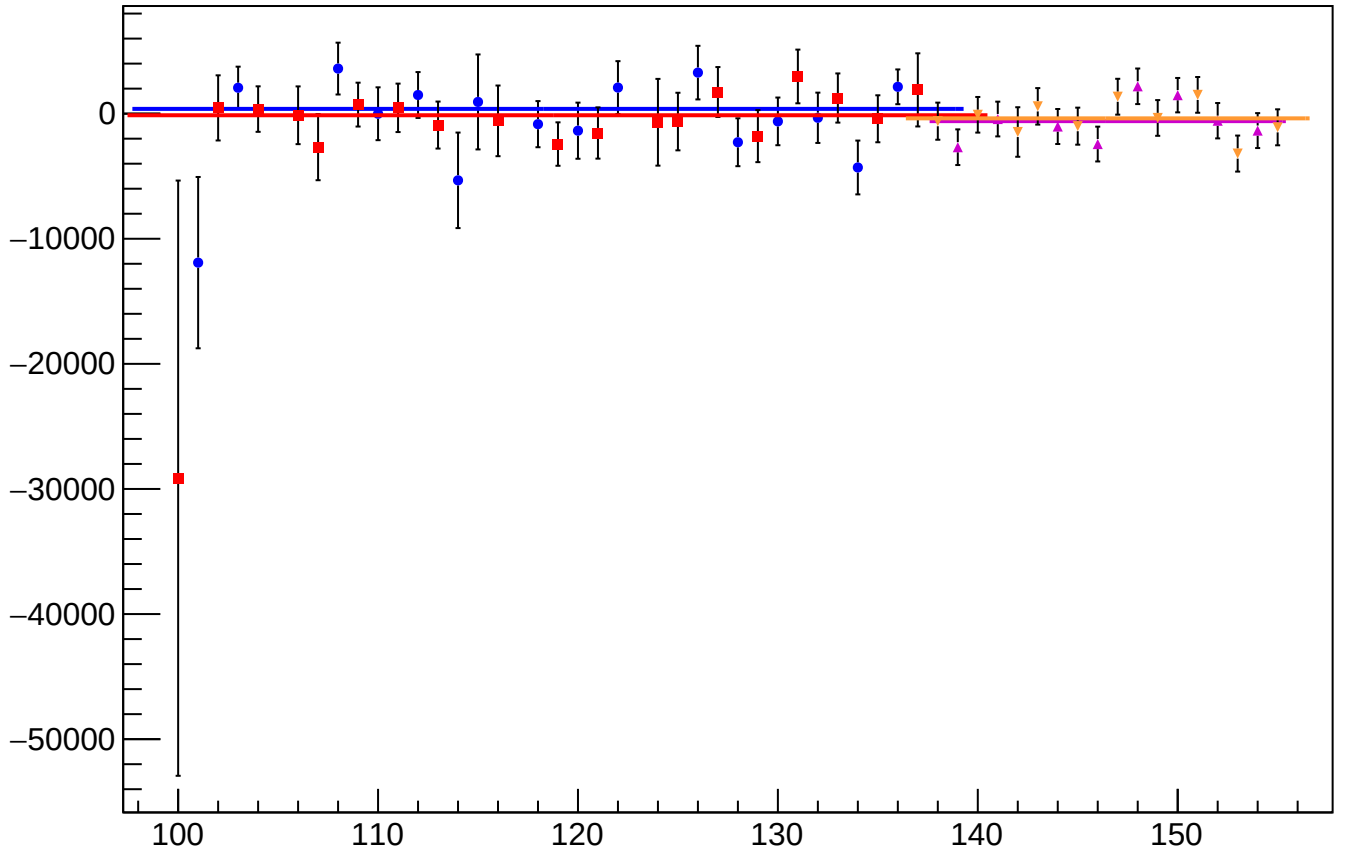
Left: 0.000+/-0.000 χ^2/NDF: 3387884.1/17

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:2300667.4/23

Out: 0.000+/-0.000 χ^2/NDF:6200837.1/28

All: 0.000+/-0.000 χ^2/NDF: 9338334.1/52



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -376.097+/-468.188 χ^2/NDF:8.2/9

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -598.229+/-495.360 χ^2/NDF:10.4/7

Left: -480.903+/-340.259 χ^2/NDF: 18.7/17

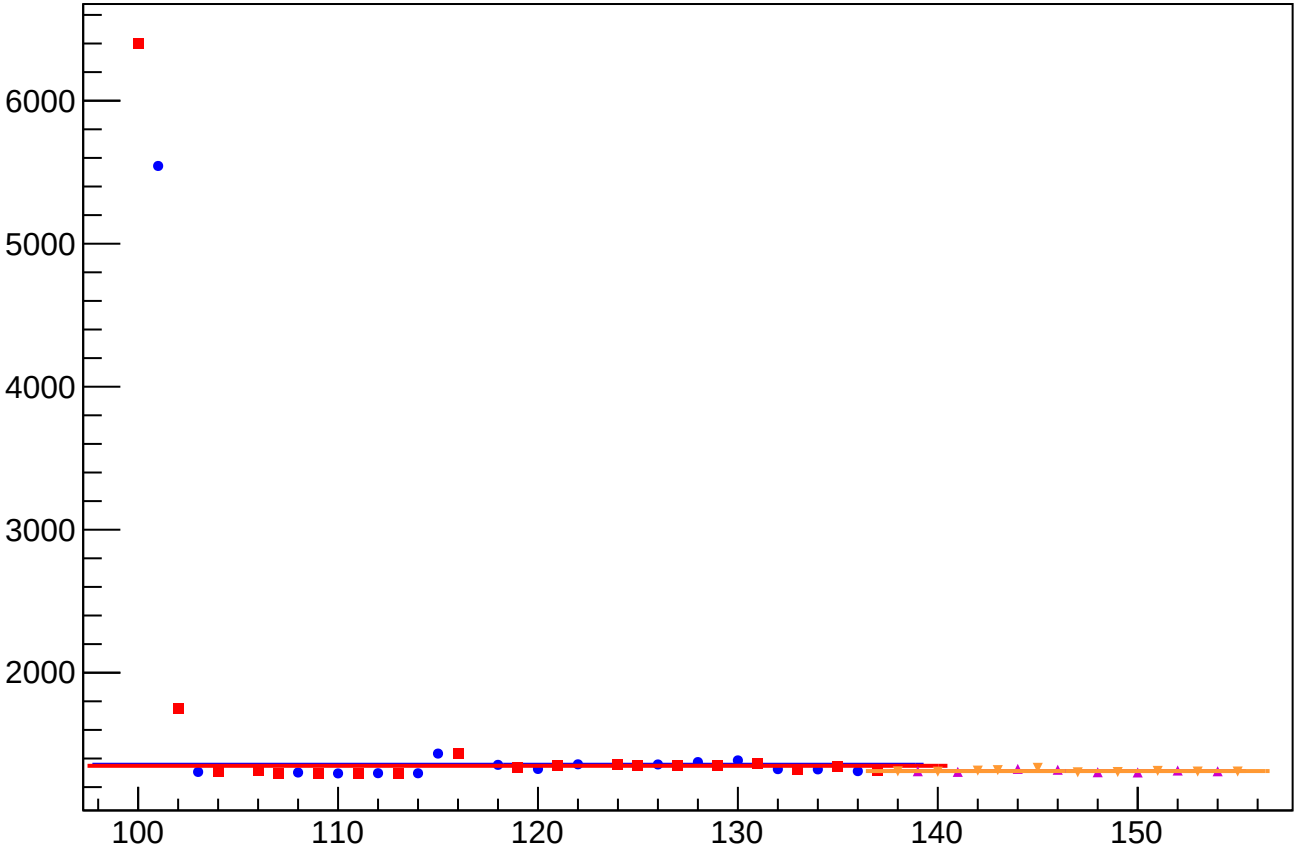
Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: -130.089+/-357.939 χ^2/NDF:33.8/23

Out: -260.402+/-342.067 χ^2/NDF:18.3/28

All: -198.199+/-247.299 χ^2/NDF: 52.2/52

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1312.243+/-0.331 χ^2/NDF:670.7/9

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1312.584+/-0.350 χ^2/NDF:540.5/7

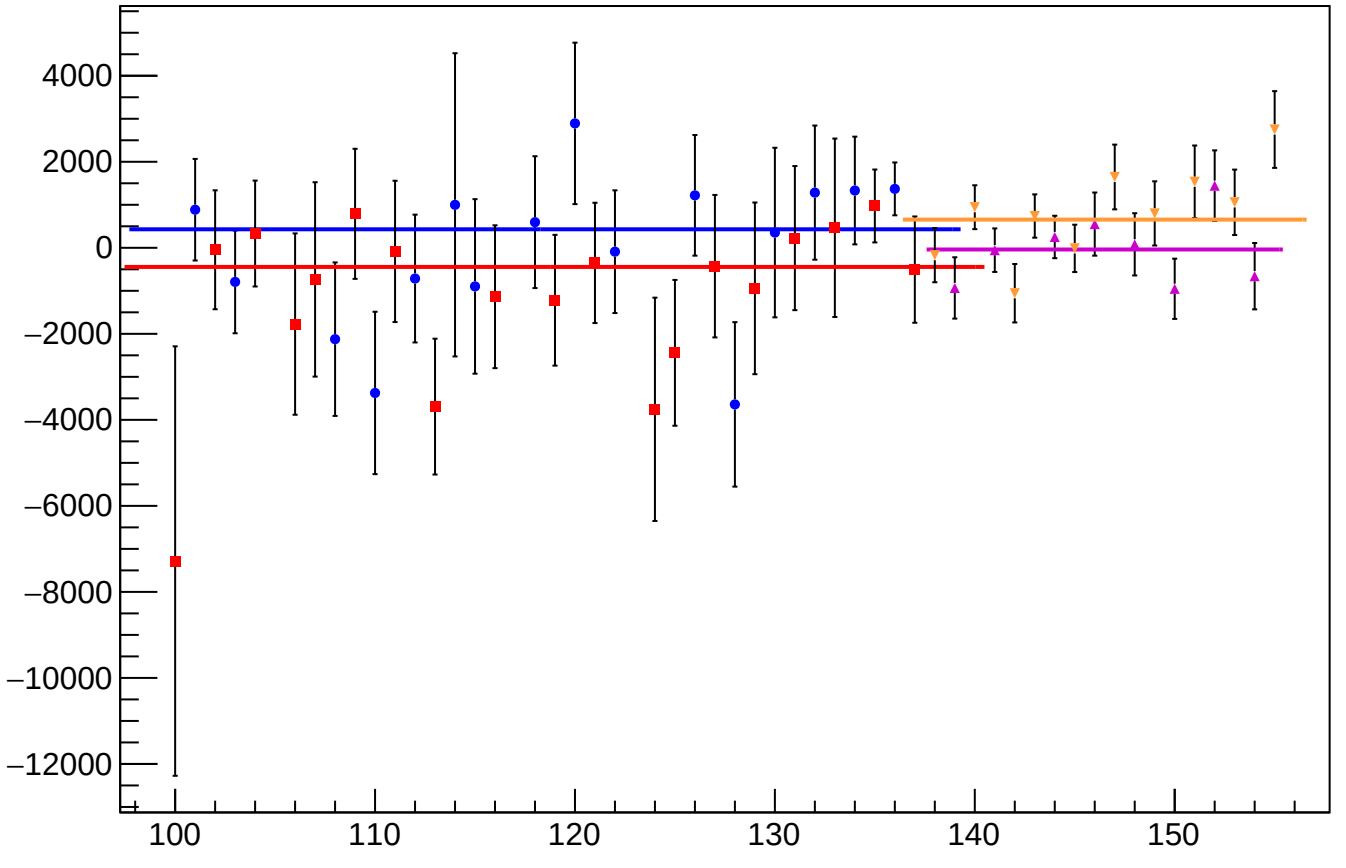
Left: 1312.404+/-0.241 χ^2/NDF: 1211.8/17

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1333.521+/-0.253 χ^2/NDF:768283.3/23

Out: 1329.367+/-0.242 χ^2/NDF:153675.5/28

All: 1331.350+/-0.175 χ^2/NDF: 922099.6/52



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 655.828+/-205.284 χ^2/NDF:18.5/9

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -39.342+/-229.697 χ^2/NDF:8.2/7

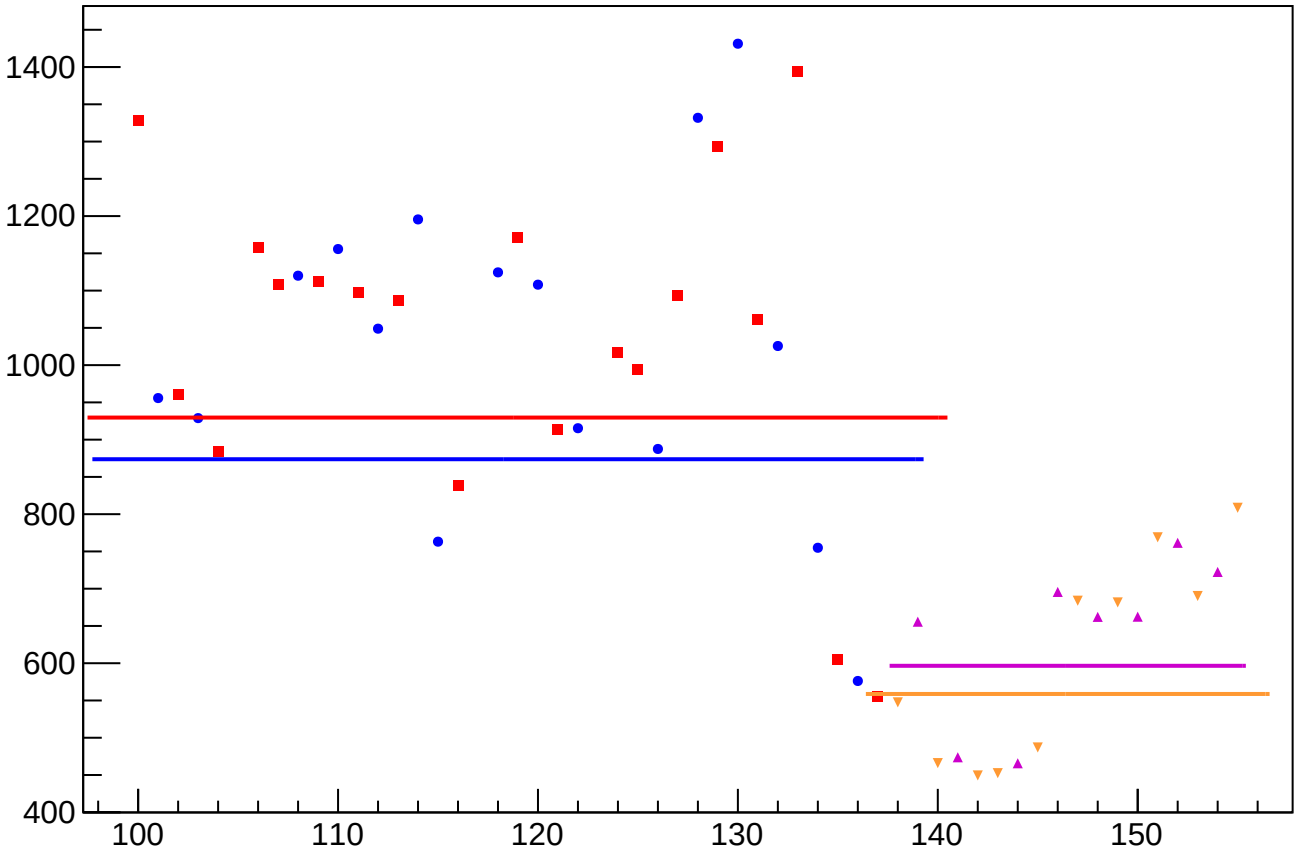
Left: 347.136+/-153.064 χ^2/NDF: 31.9/17

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 108.773+/-190.061 χ^2/NDF:27.8/23

Out: 380.769+/-177.785 χ^2/NDF:40.1/28

All: 253.838+/-129.836 χ^2/NDF: 69.0/52



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 558.742+/-0.145 χ^2/NDF:692201.1/9

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 596.539+/-0.162 χ^2/NDF:476902.1/7

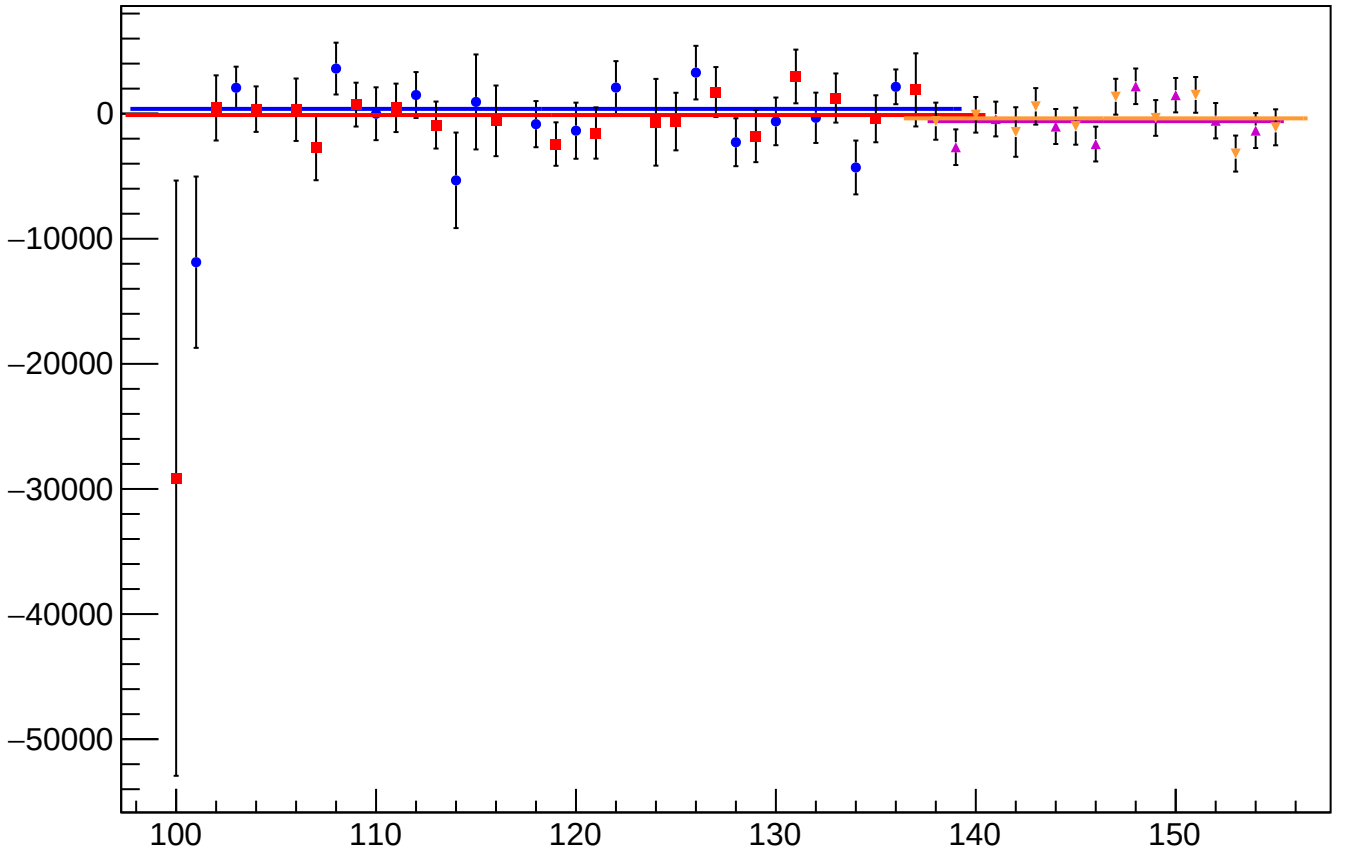
Left: 575.526+/-0.108 χ^2/NDF: 1199208.7/17

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 683.948+/-0.134 χ^2/NDF:2410227.1/23

Out: 651.454+/-0.126 χ^2/NDF:3184064.4/28

All: 666.618+/-0.092 χ^2/NDF: 5625469.8/52



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -376.144+/-468.188 χ^2/NDF:8.2/9

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -598.272+/-495.360 χ^2/NDF:10.4/7

Left: -480.949+/-340.259 χ^2/NDF: 18.7/17

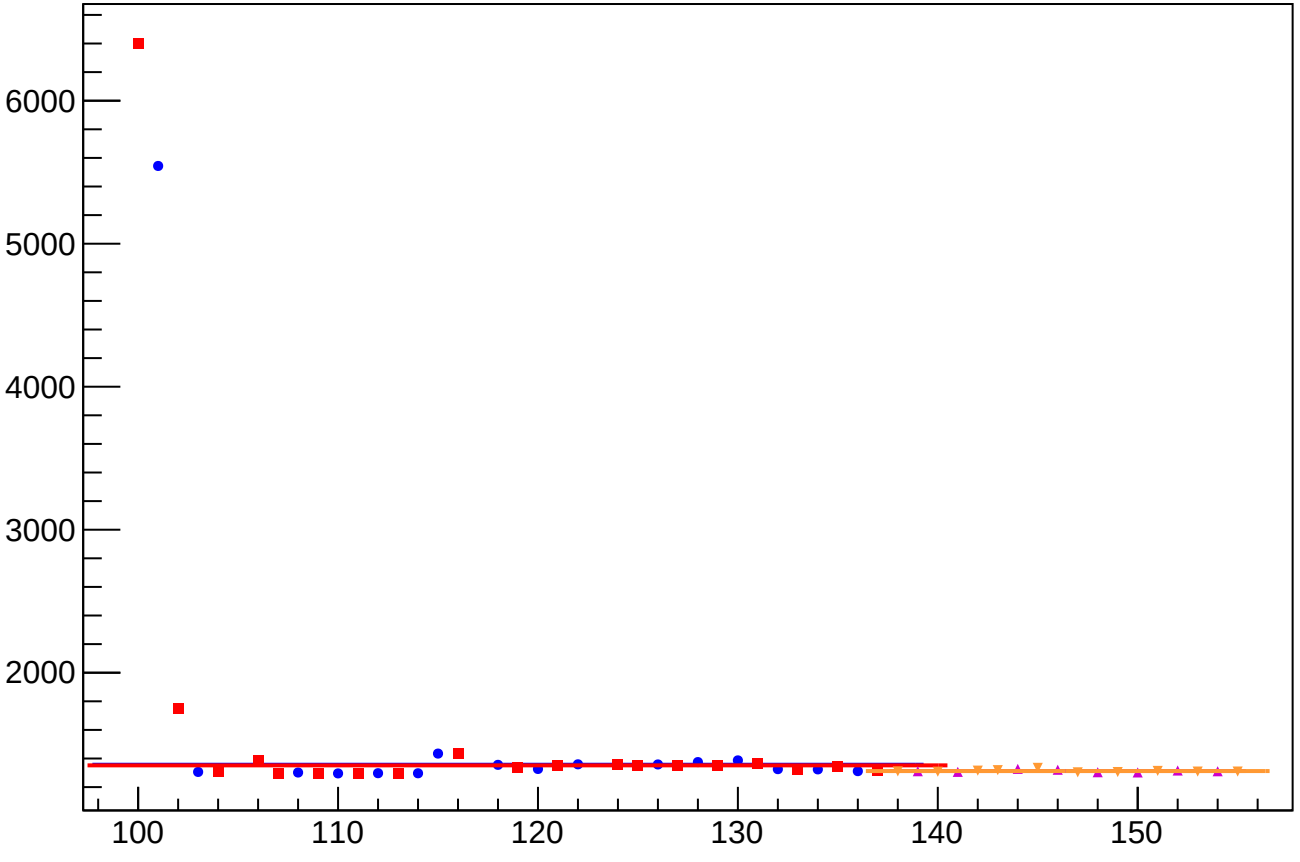
Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -129.964+/-357.939 χ^2/NDF:33.8/23

Out: -252.651+/-342.610 χ^2/NDF:18.4/28

All: -193.991+/-247.504 χ^2/NDF: 52.2/52

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.243+/-0.331 χ^2/NDF:670.7/9

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1312.585+/-0.350 χ^2/NDF:540.5/7

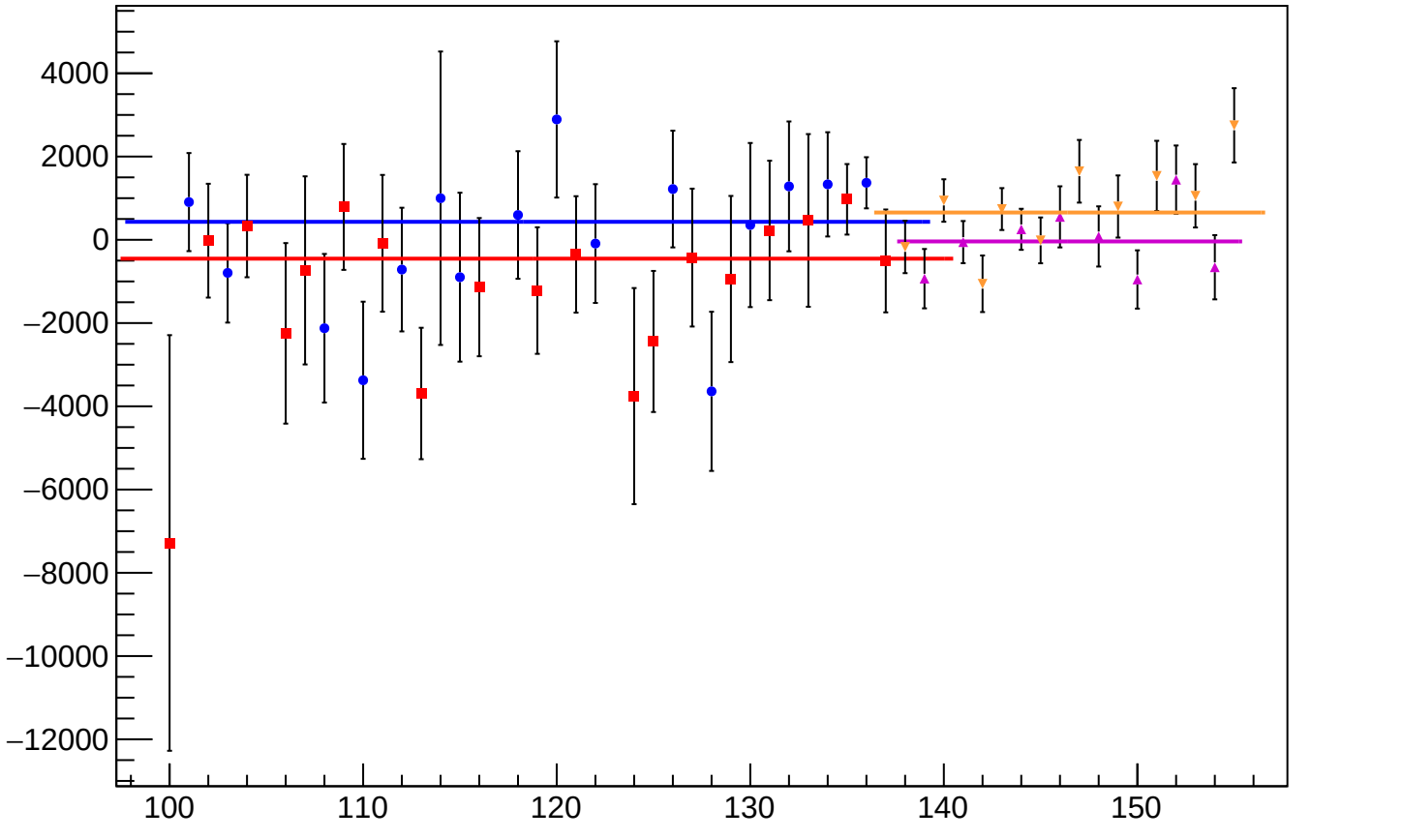
Left: 1312.404+/-0.241 χ^2/NDF: 1211.8/17

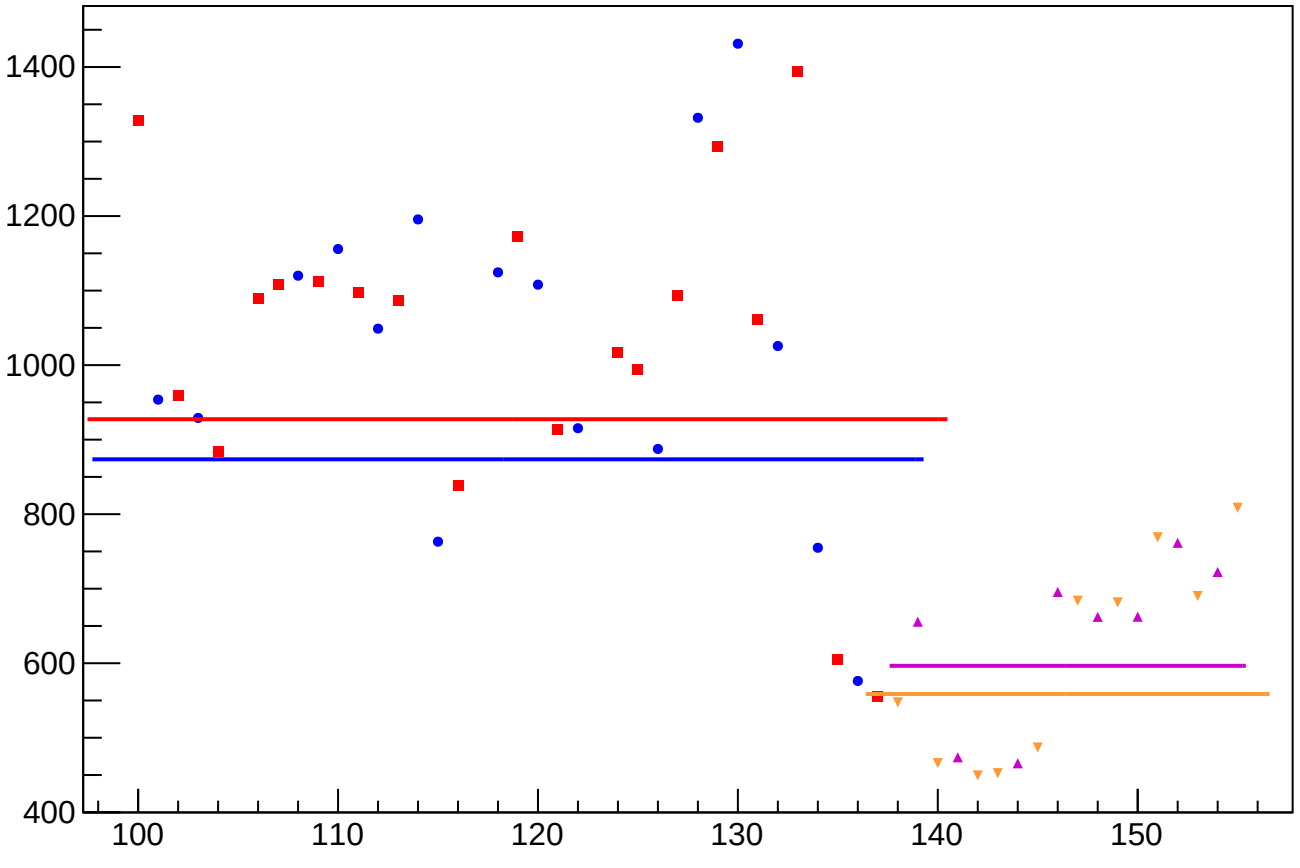
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1333.521+/-0.253 χ^2/NDF:768282.4/23

Out: 1330.749+/-0.242 χ^2/NDF:154724.4/28

All: 1332.074+/-0.175 χ^2/NDF: 923069.4/52


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: 655.757+/-205.286 χ²/NDF:18.5/9
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: -39.289+/-229.694 χ²/NDF:8.2/7
Left: 347.113+/-153.063 χ²/NDF: 31.9/17
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 109.400+/-190.049 χ²/NDF:27.8/23
Out: 378.598+/-177.787 χ²/NDF:40.5/28
All: 252.963+/-129.833 χ²/NDF: 69.4/52



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 558.747+/-0.145 χ^2/NDF:692189.5/9

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 596.529+/-0.162 χ^2/NDF:476946.0/7

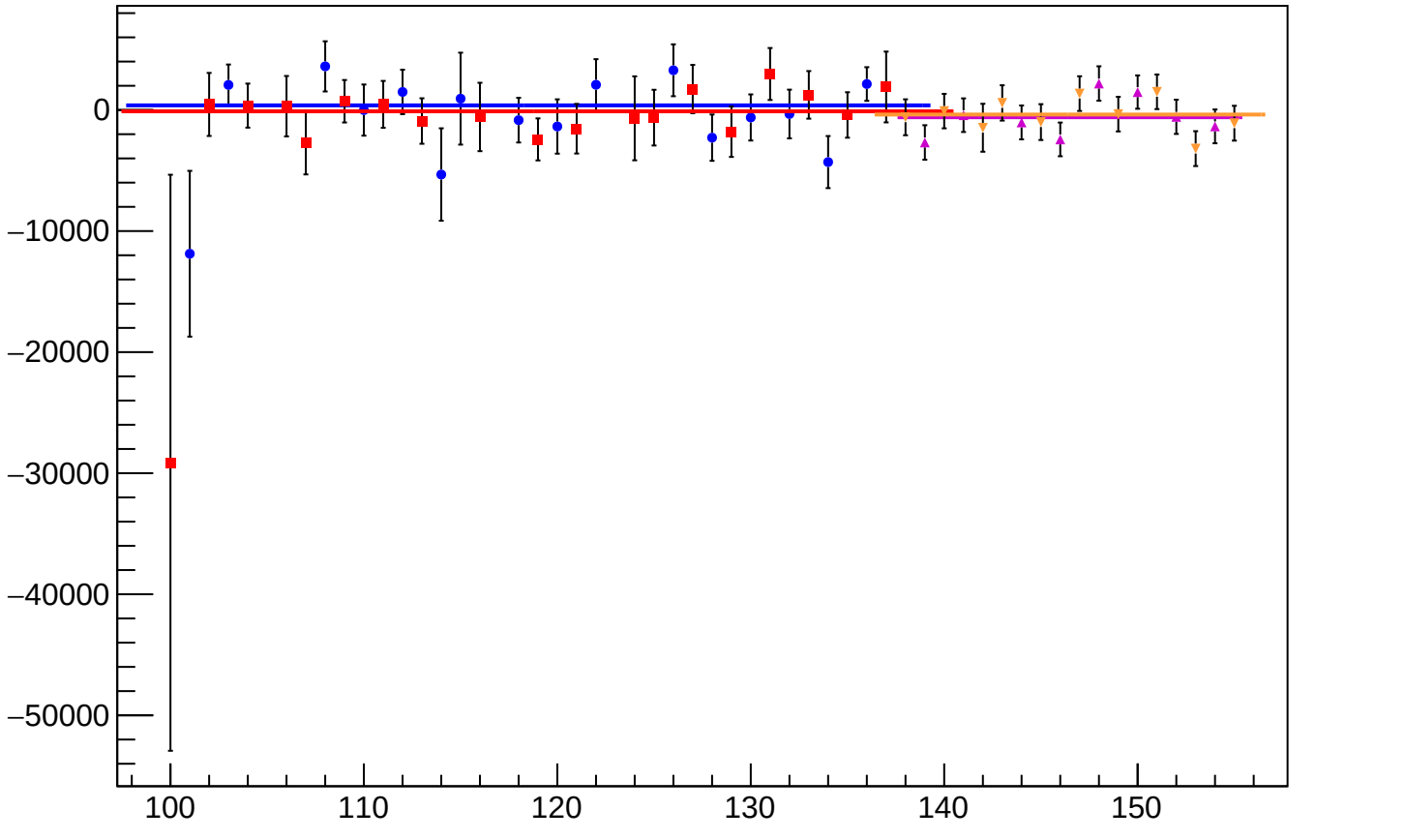
Left: 575.525+/-0.108 χ^2/NDF: 1199220.4/17

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 683.920+/-0.134 χ^2/NDF:2409256.6/23

Out: 650.898+/-0.126 χ^2/NDF:3151864.1/28

All: 666.310+/-0.092 χ^2/NDF: 5593321.5/52



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -376.144+/-468.188 χ^2/NDF:8.2/9

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -598.272+/-495.360 χ^2/NDF:10.4/7

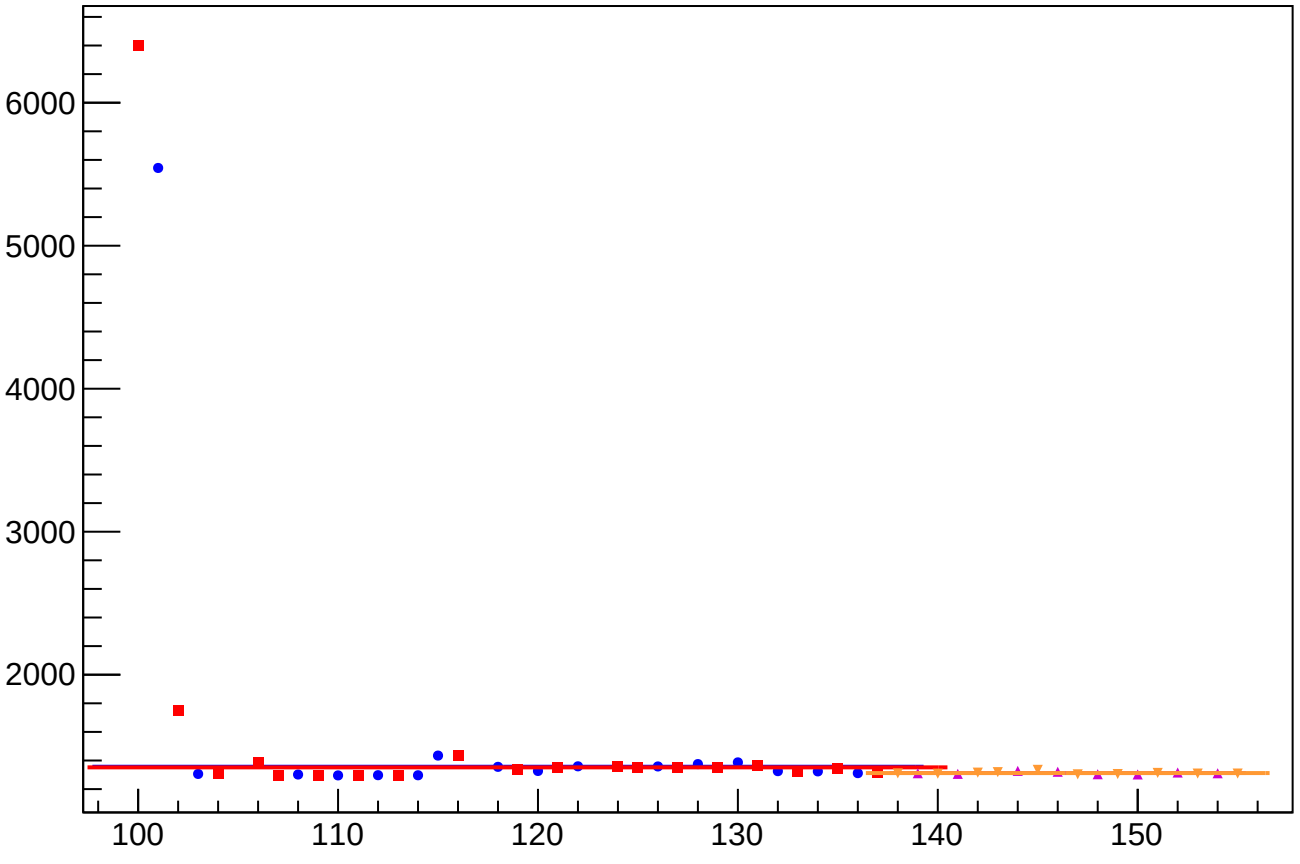
Left: -480.949+/-340.259 χ^2/NDF: 18.7/17

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -129.964+/-357.939 χ^2/NDF:33.8/23

Out: -252.651+/-342.610 χ^2/NDF:18.4/28

All: -193.991+/-247.504 χ^2/NDF: 52.2/52



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.243+/-0.331 χ^2/NDF:670.7/9

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1312.585+/-0.350 χ^2/NDF:540.5/7

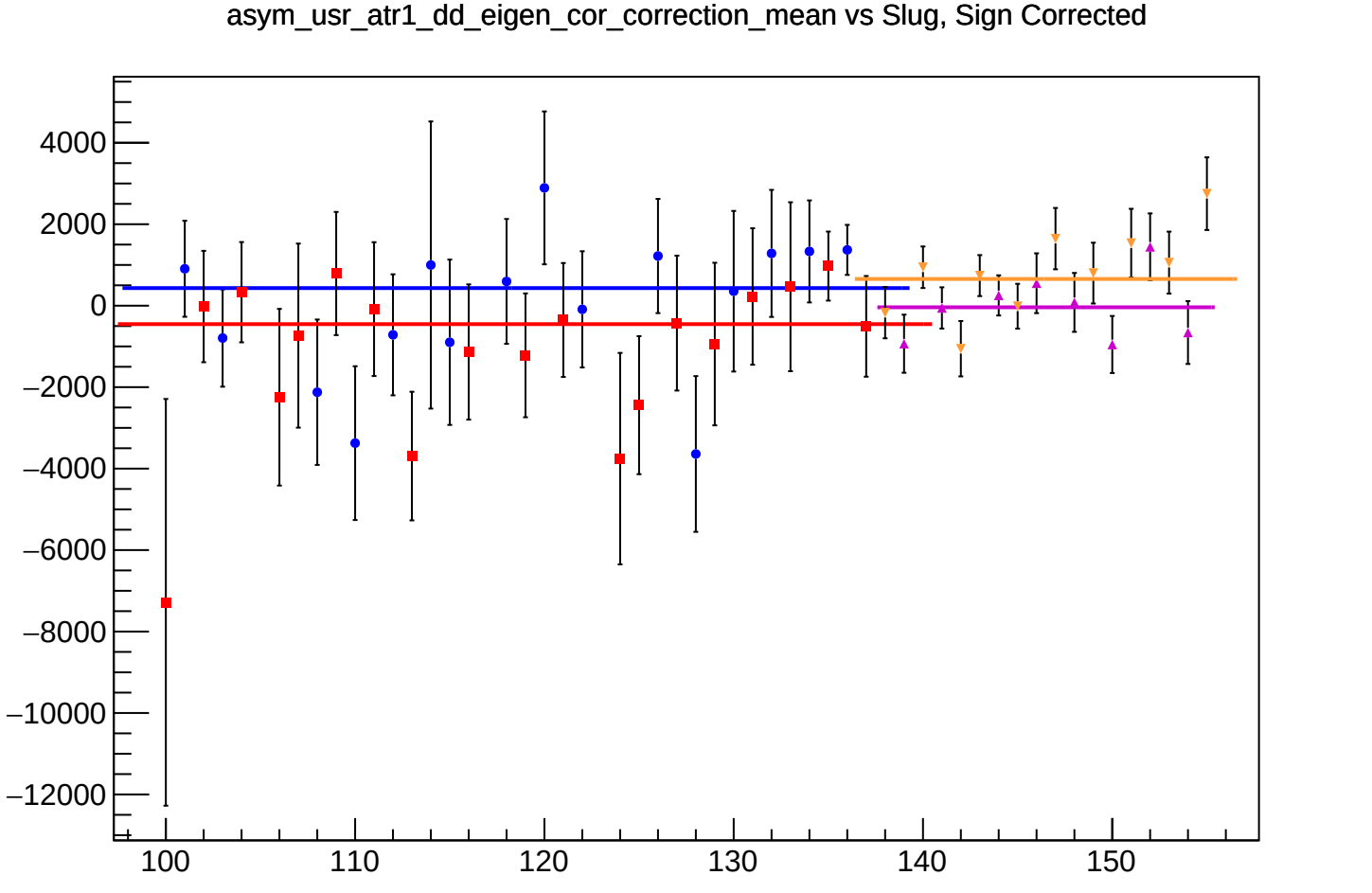
Left: 1312.404+/-0.241 χ^2/NDF: 1211.8/17

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1333.521+/-0.253 χ^2/NDF:768282.4/23

Out: 1330.749+/-0.242 χ^2/NDF:154724.4/28

All: 1332.074+/-0.175 χ^2/NDF: 923069.4/52



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 655.757+/-205.286 χ^2/NDF:18.5/9

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -39.289+/-229.694 χ^2/NDF:8.2/7

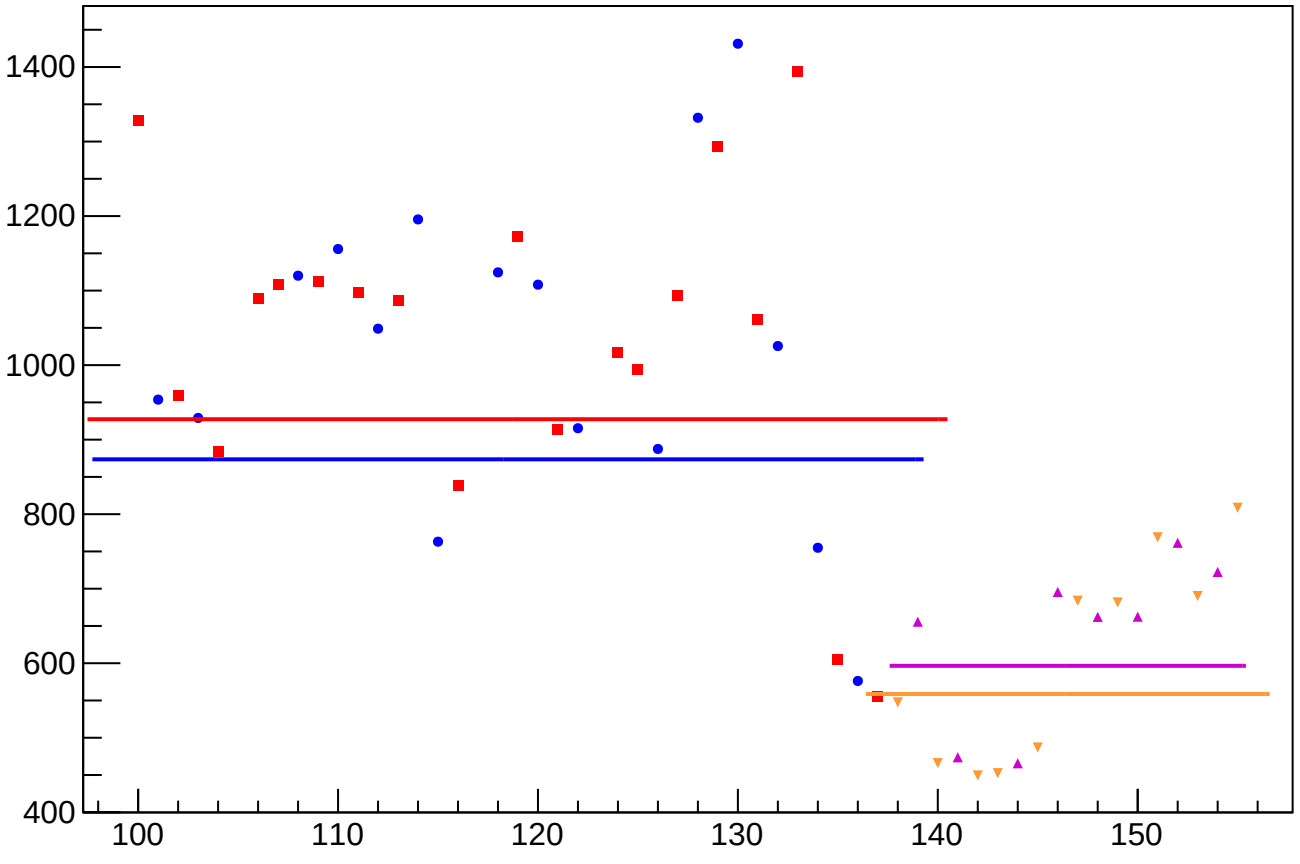
Left: 347.113+/-153.063 χ^2/NDF: 31.9/17

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 109.400+/-190.049 χ^2/NDF:27.8/23

Out: 378.598+/-177.787 χ^2/NDF:40.5/28

All: 252.963+/-129.833 χ^2/NDF: 69.4/52



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 558.747+/-0.145 χ^2/NDF:692189.5/9

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 596.529+/-0.162 χ^2/NDF:476946.0/7

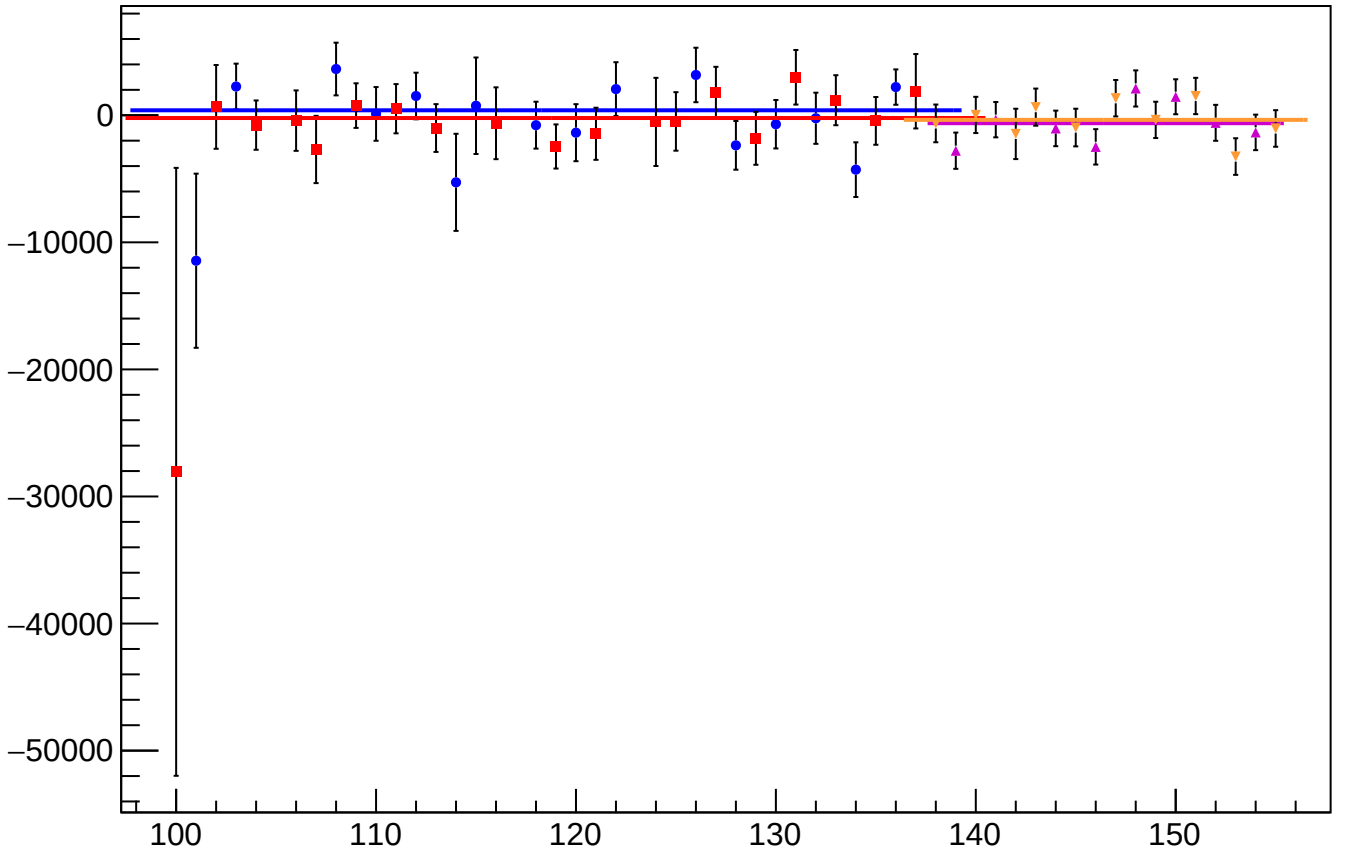
Left: 575.525+/-0.108 χ^2/NDF: 1199220.4/17

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 683.920+/-0.134 χ^2/NDF:2409256.6/23

Out: 650.898+/-0.126 χ^2/NDF:3151864.1/28

All: 666.310+/-0.092 χ^2/NDF: 5593321.5/52



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -361.301+/-468.505 χ^2/NDF:8.4/9

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -624.821+/-495.697 χ^2/NDF:10.5/7

Left: -485.635+/-340.491 χ^2/NDF: 19.0/17

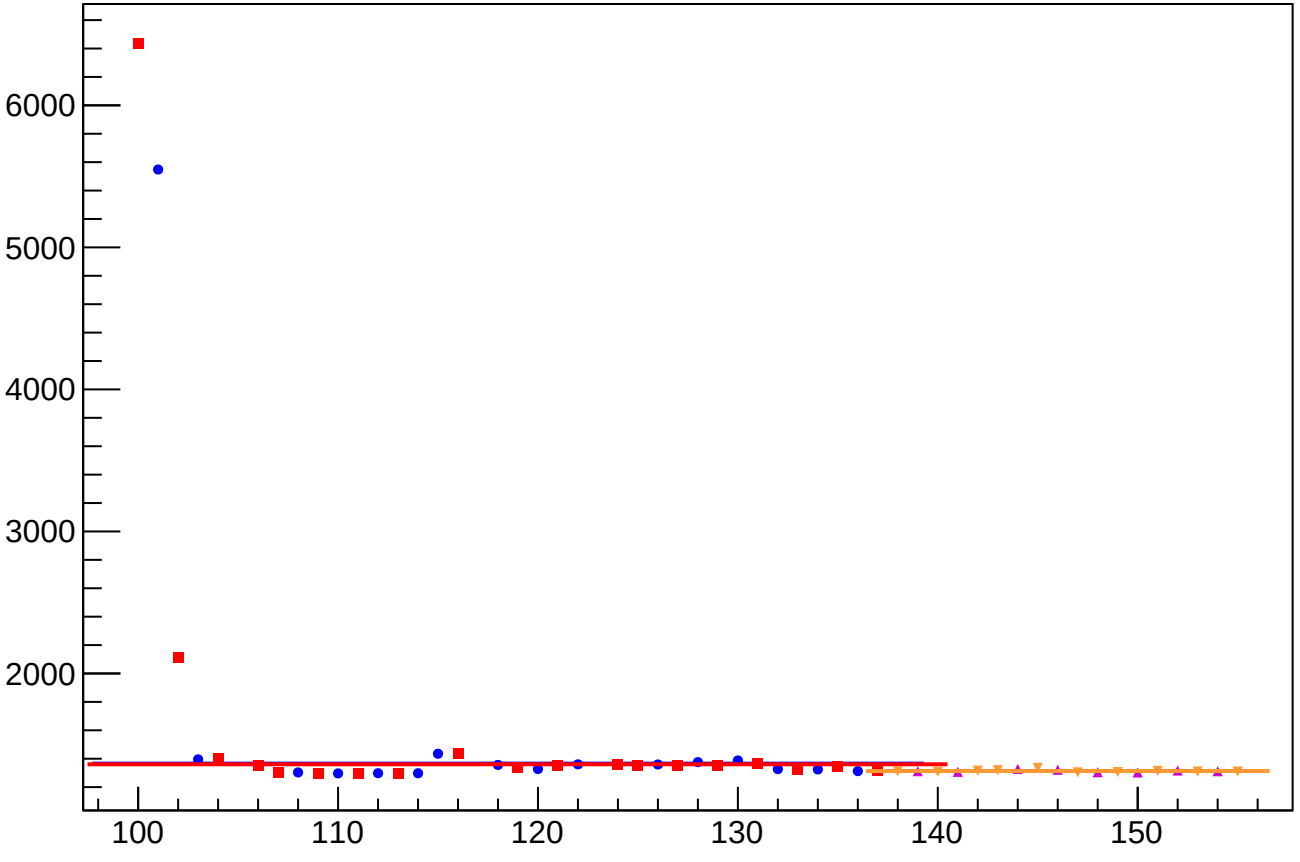
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: -142.829+/-359.175 χ^2/NDF:33.8/23

Out: -295.511+/-344.378 χ^2/NDF:18.5/28

All: -222.380+/-248.579 χ^2/NDF: 52.4/52

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.134+/-0.331 χ^2/NDF:661.2/9

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1313.477+/-0.351 χ^2/NDF:533.3/7

Left: 1313.296+/-0.241 χ^2/NDF: 1195.0/17

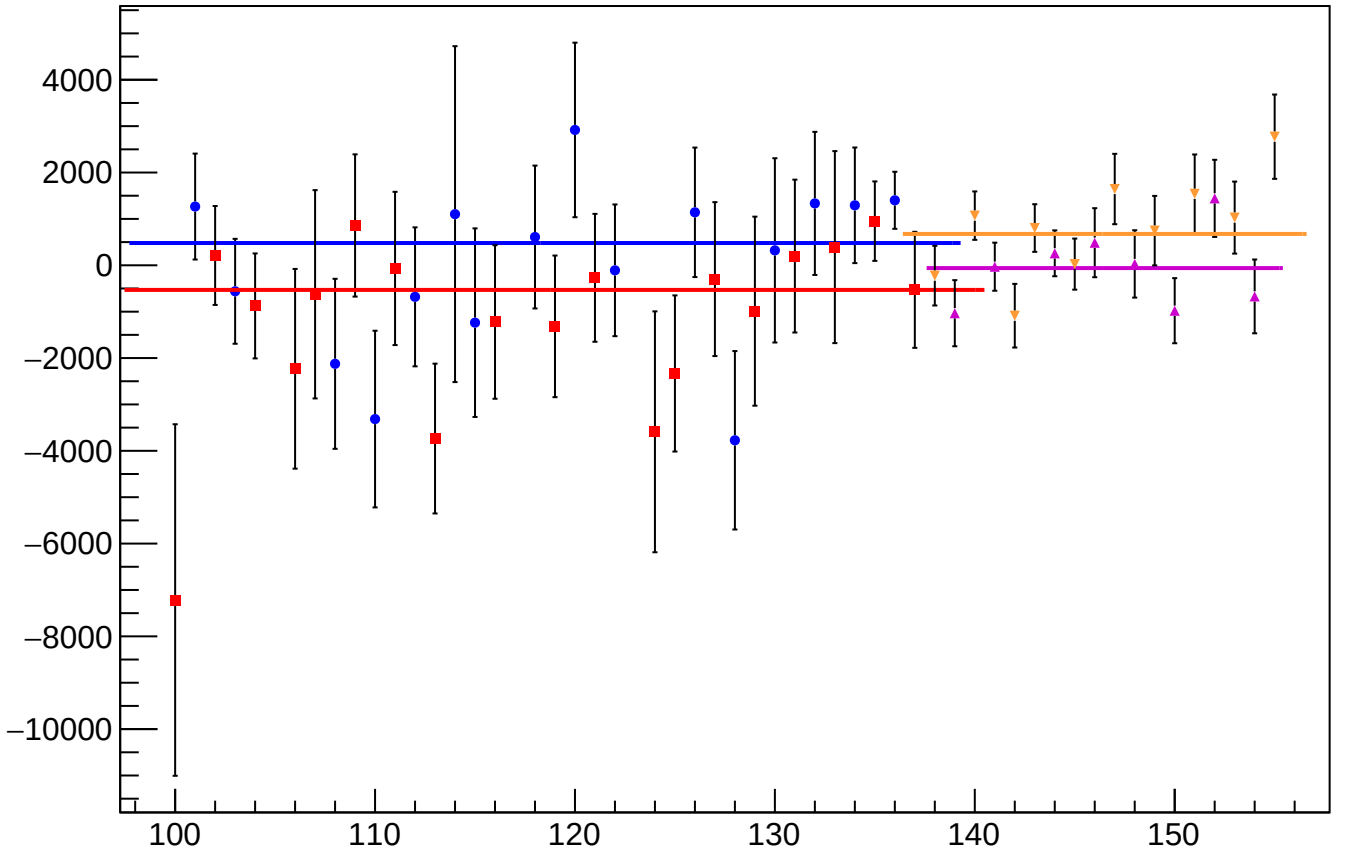
Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1338.093+/-0.254 χ^2/NDF:769861.4/23

Out: 1335.032+/-0.244 χ^2/NDF:215481.4/28

All: 1336.498+/-0.176 χ^2/NDF: 985418.5/52

asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 676.137+/-208.164 χ^2/NDF:18.8/9

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -60.140+/-232.257 χ^2/NDF:8.4/7

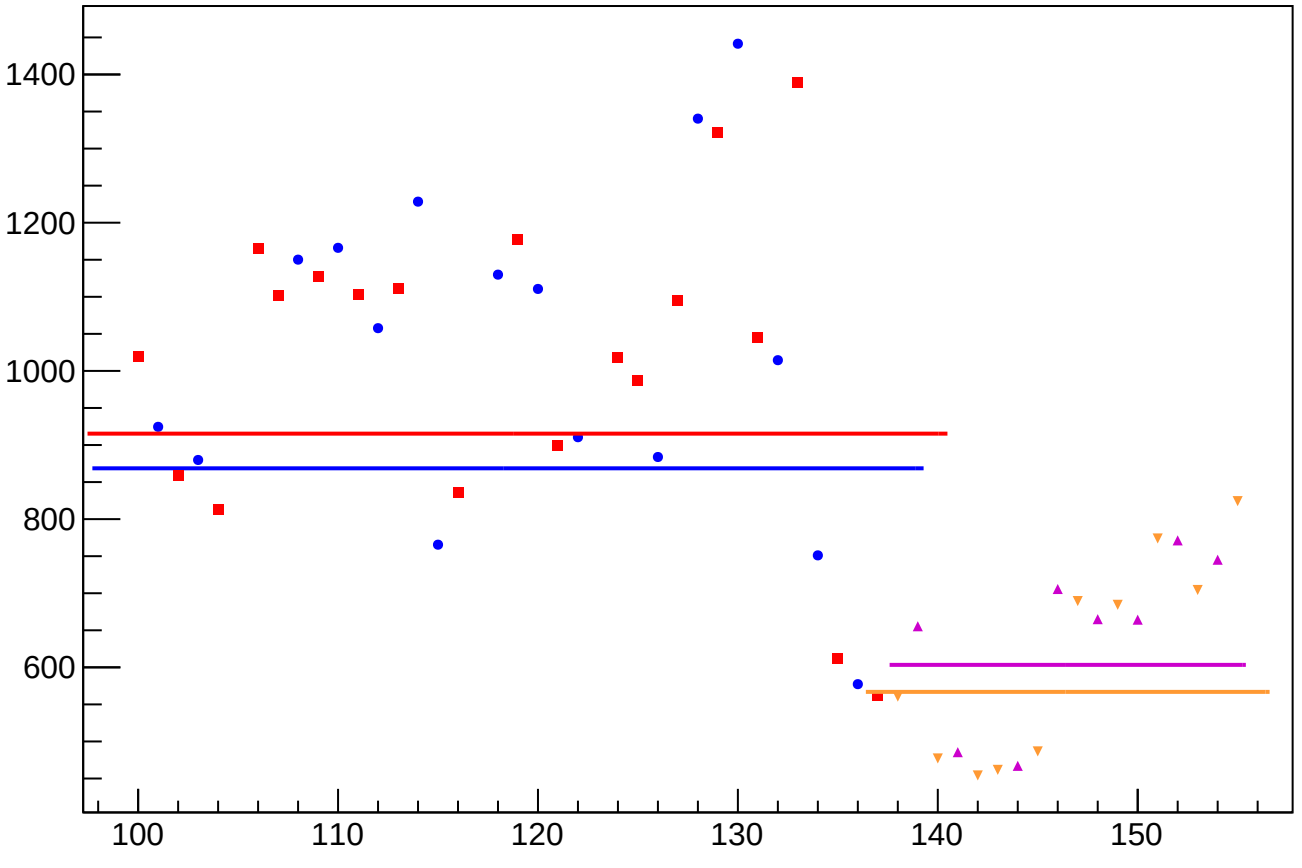
Left: 348.155+/-155.014 χ^2/NDF: 32.8/17

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 114.265+/-191.150 χ^2/NDF:28.8/23

Out: 355.591+/-178.385 χ^2/NDF:43.3/28

All: 243.255+/-130.417 χ^2/NDF: 73.0/52



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 566.912+/-0.147 χ^2/NDF:683312.4/9

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 603.347+/-0.164 χ^2/NDF:478465.1/7

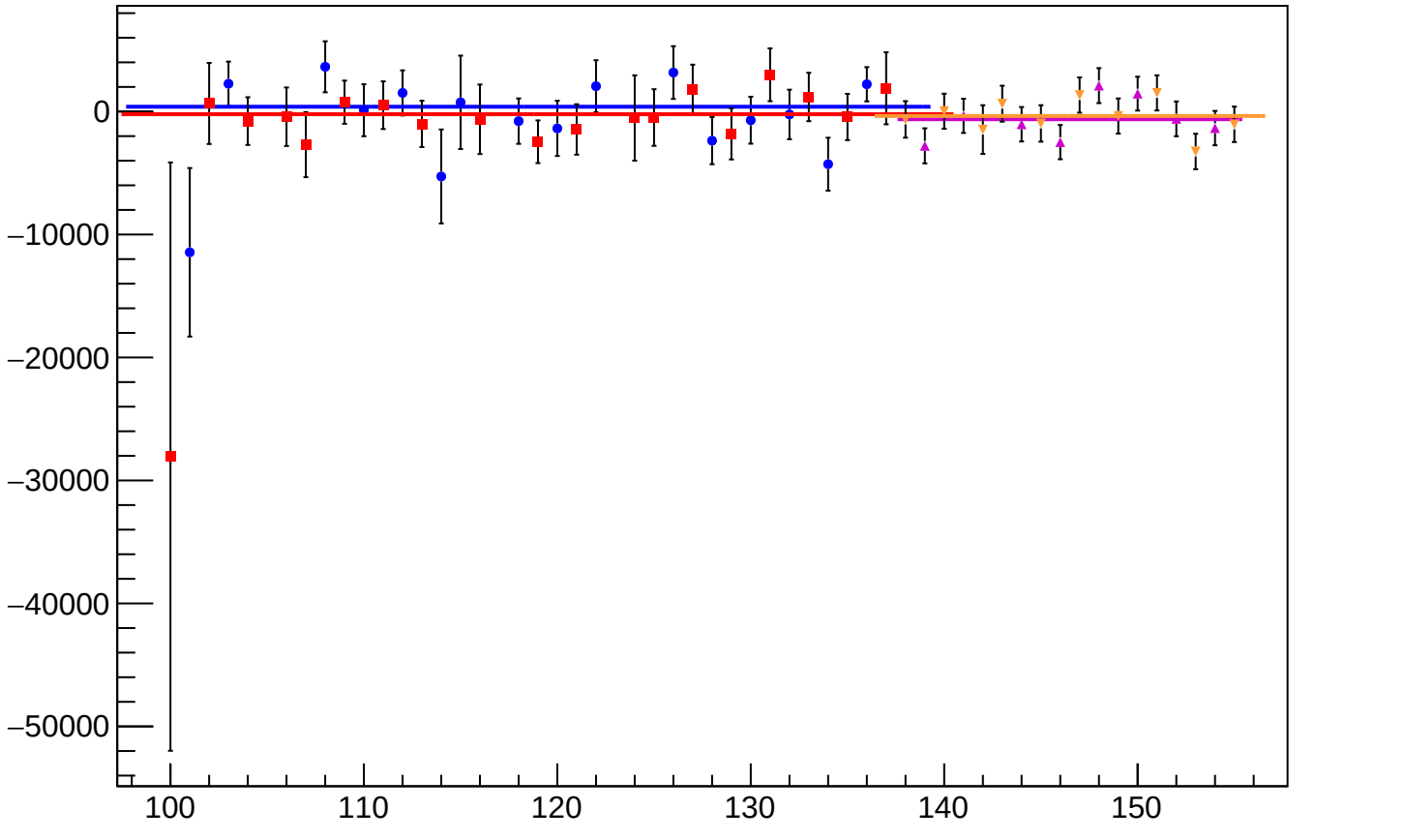
Left: 583.142+/-0.110 χ^2/NDF: 1189070.7/17

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 688.921+/-0.135 χ^2/NDF:2341300.2/23

Out: 659.475+/-0.126 χ^2/NDF:3030883.0/28

All: 673.182+/-0.092 χ^2/NDF: 5397549.7/52



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -361.301+/-468.505 χ^2/NDF:8.4/9

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -624.821+/-495.697 χ^2/NDF:10.5/7

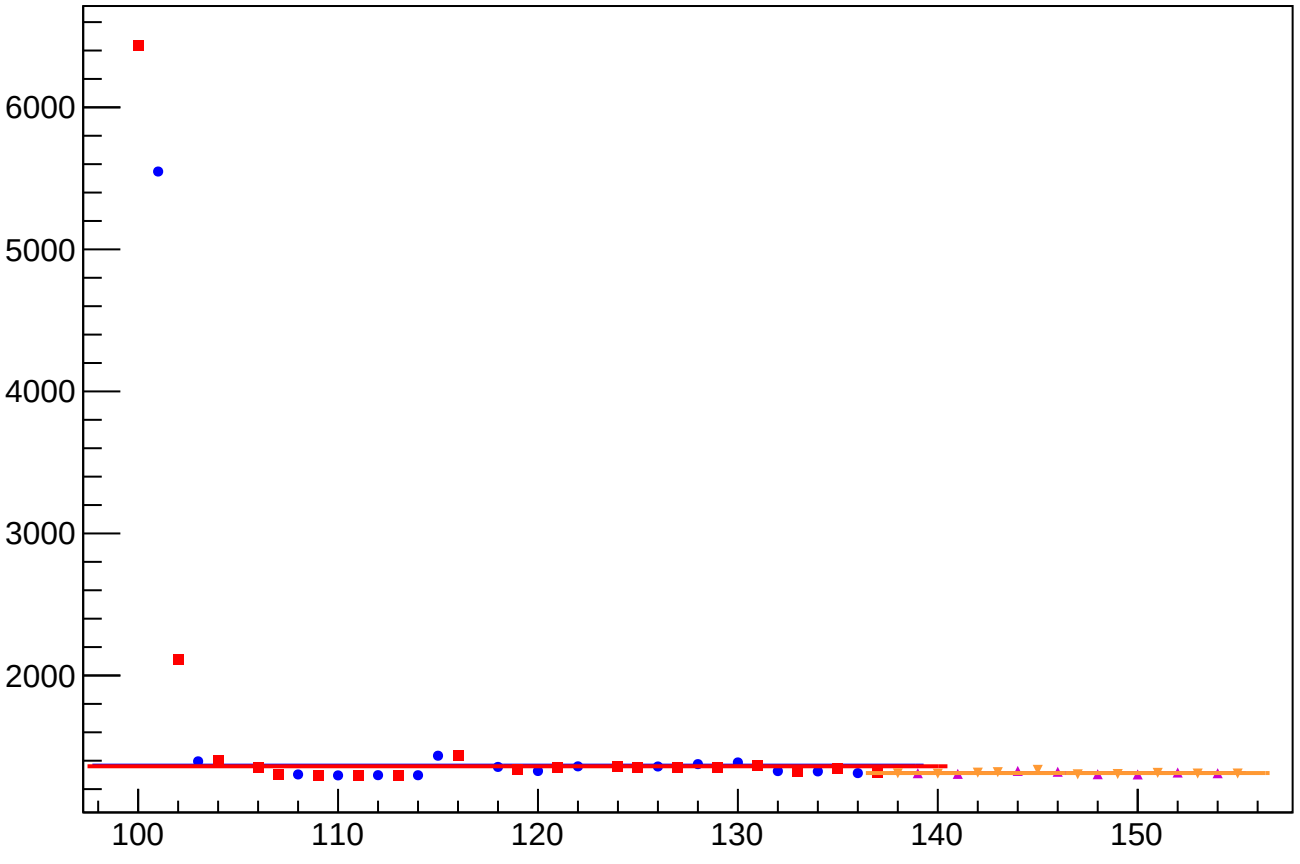
Left: -485.635+/-340.491 χ^2/NDF: 19.0/17

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -142.829+/-359.175 χ^2/NDF:33.8/23

Out: -295.510+/-344.378 χ^2/NDF:18.5/28

All: -222.380+/-248.579 χ^2/NDF: 52.4/52



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.134+/-0.331 χ^2/NDF:661.2/9

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1313.477+/-0.351 χ^2/NDF:533.3/7

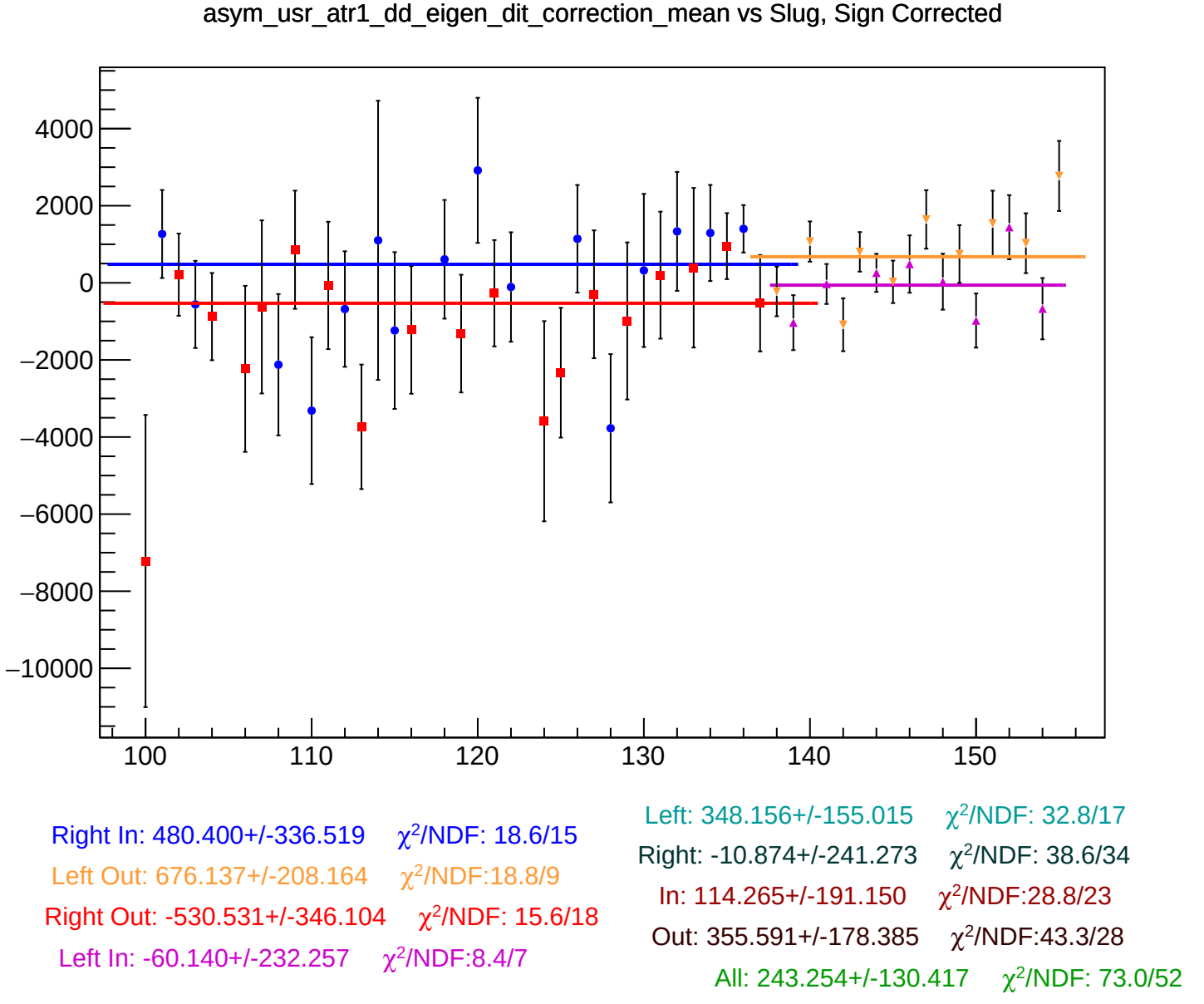
Left: 1313.296+/-0.241 χ^2/NDF: 1195.0/17

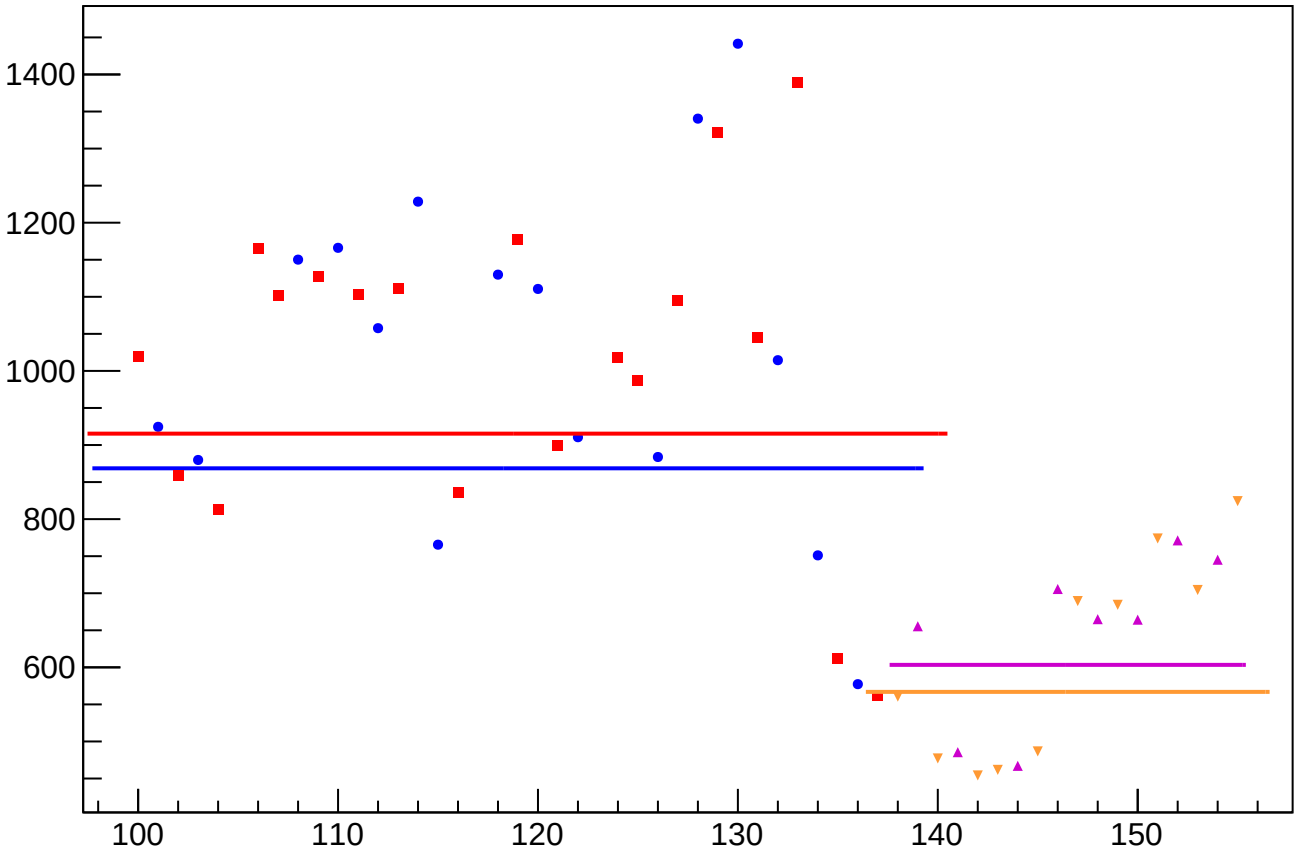
Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1338.093+/-0.254 χ^2/NDF:769861.4/23

Out: 1335.032+/-0.244 χ^2/NDF:215481.3/28

All: 1336.498+/-0.176 χ^2/NDF: 985418.4/52


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: 676.137+/-208.164 χ²/NDF:18.8/9
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: -60.140+/-232.257 χ²/NDF:8.4/7
Left: 348.156+/-155.015 χ²/NDF: 32.8/17
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 114.265+/-191.150 χ²/NDF:28.8/23
Out: 355.591+/-178.385 χ²/NDF:43.3/28
All: 243.254+/-130.417 χ²/NDF: 73.0/52



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 566.912+/-0.147 χ^2/NDF:683320.7/9

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 603.347+/-0.164 χ^2/NDF:478468.9/7

Left: 583.142+/-0.110 χ^2/NDF: 1189083.9/17

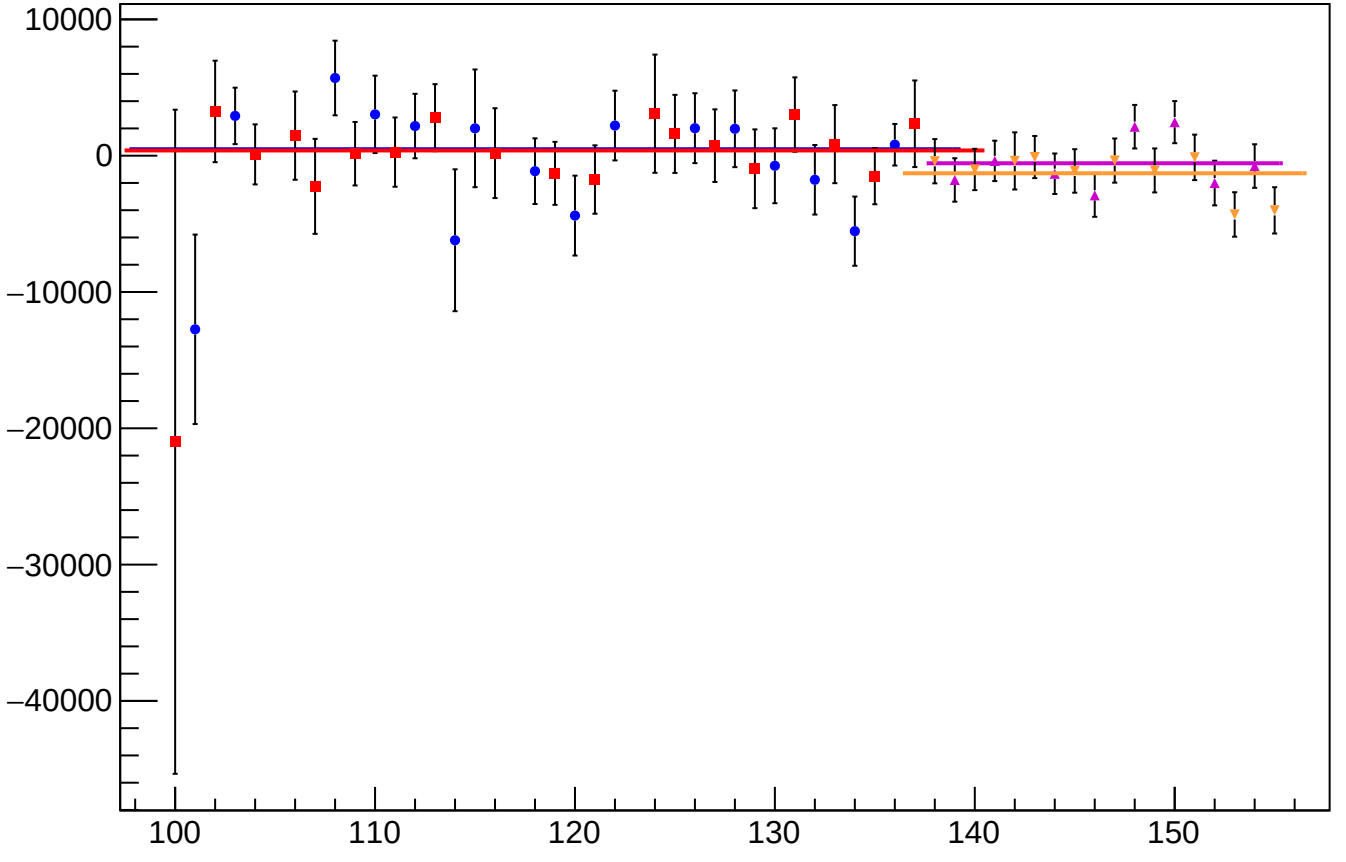
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 688.921+/-0.135 χ^2/NDF:2341285.9/23

Out: 659.475+/-0.126 χ^2/NDF:3030882.0/28

All: 673.182+/-0.092 χ^2/NDF: 5397535.3/52

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -1289.589+/-519.855 χ^2/NDF:8.0/9

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -556.117+/-552.197 χ^2/NDF:10.5/7

Left: -944.960+/-378.510 χ^2/NDF: 19.4/17

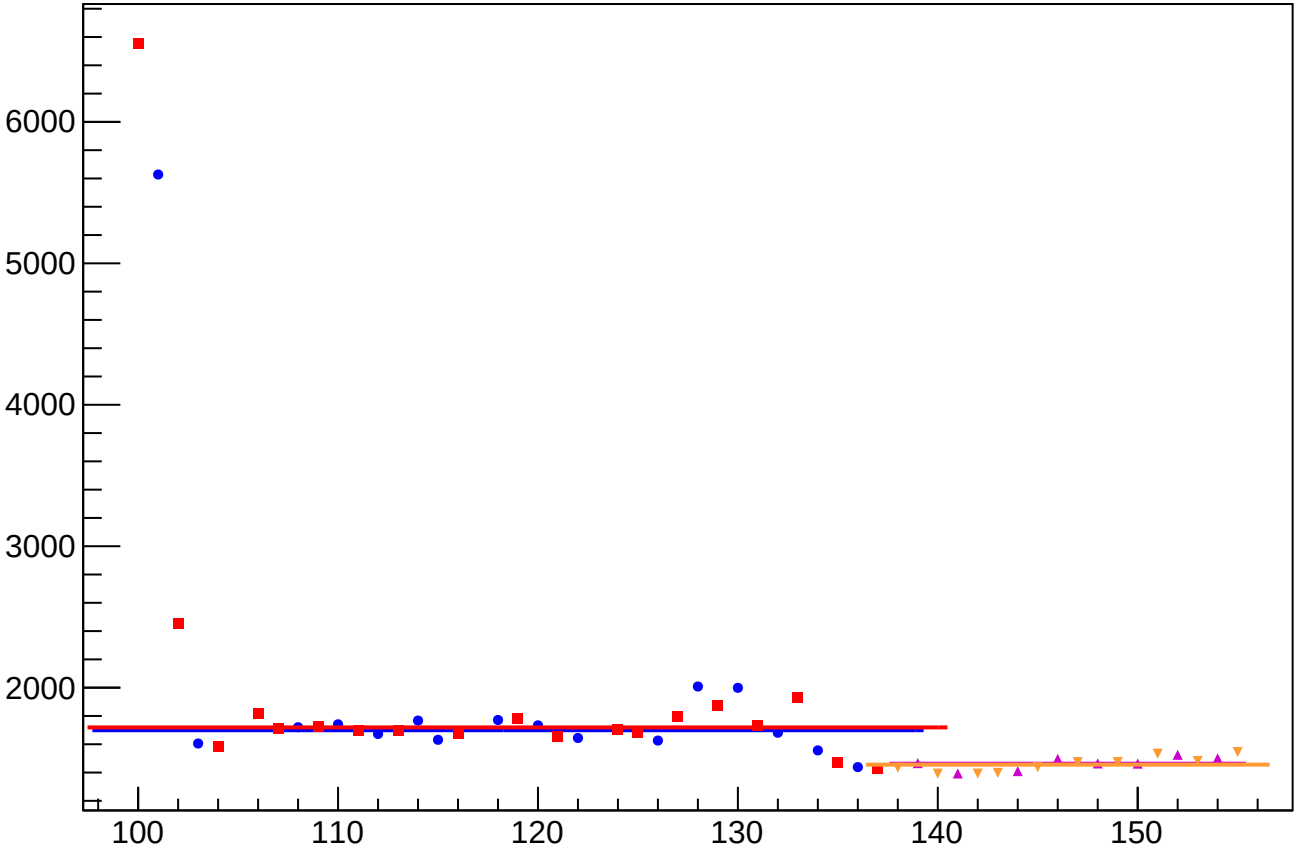
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -123.939+/-420.632 χ^2/NDF:34.7/23

Out: -626.496+/-404.010 χ^2/NDF:19.3/28

All: -385.343+/-291.377 χ^2/NDF: 54.8/52

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1455.929+/-0.368 χ^2/NDF:19509.2/9

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1462.465+/-0.390 χ^2/NDF:11866.8/7

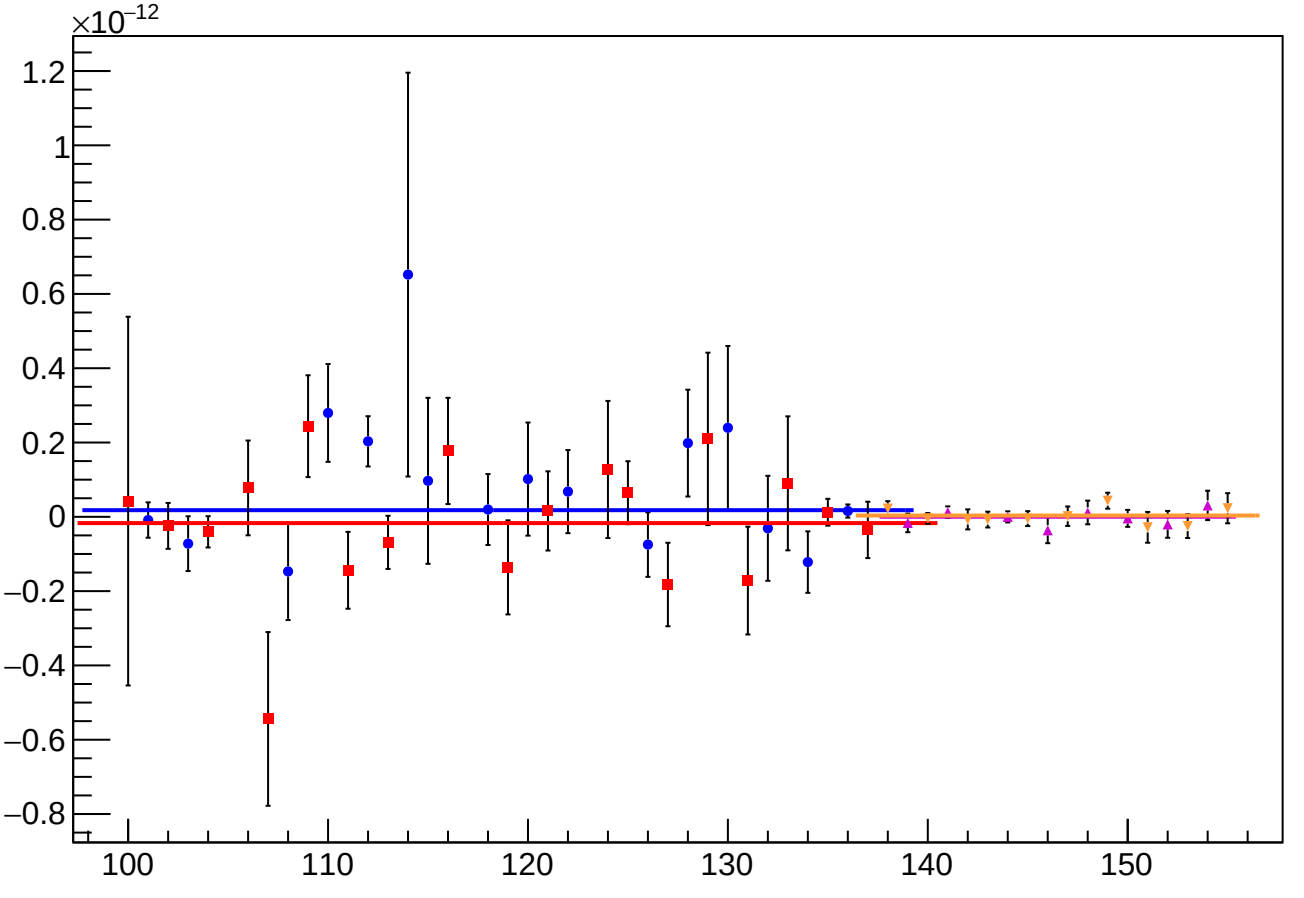
Left: 1459.000+/-0.268 χ^2/NDF: 31524.6/17

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1561.889+/-0.297 χ^2/NDF:928430.0/23

Out: 1560.153+/-0.286 χ^2/NDF:456249.6/28

All: 1560.986+/-0.206 χ^2/NDF: 1384697.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/7

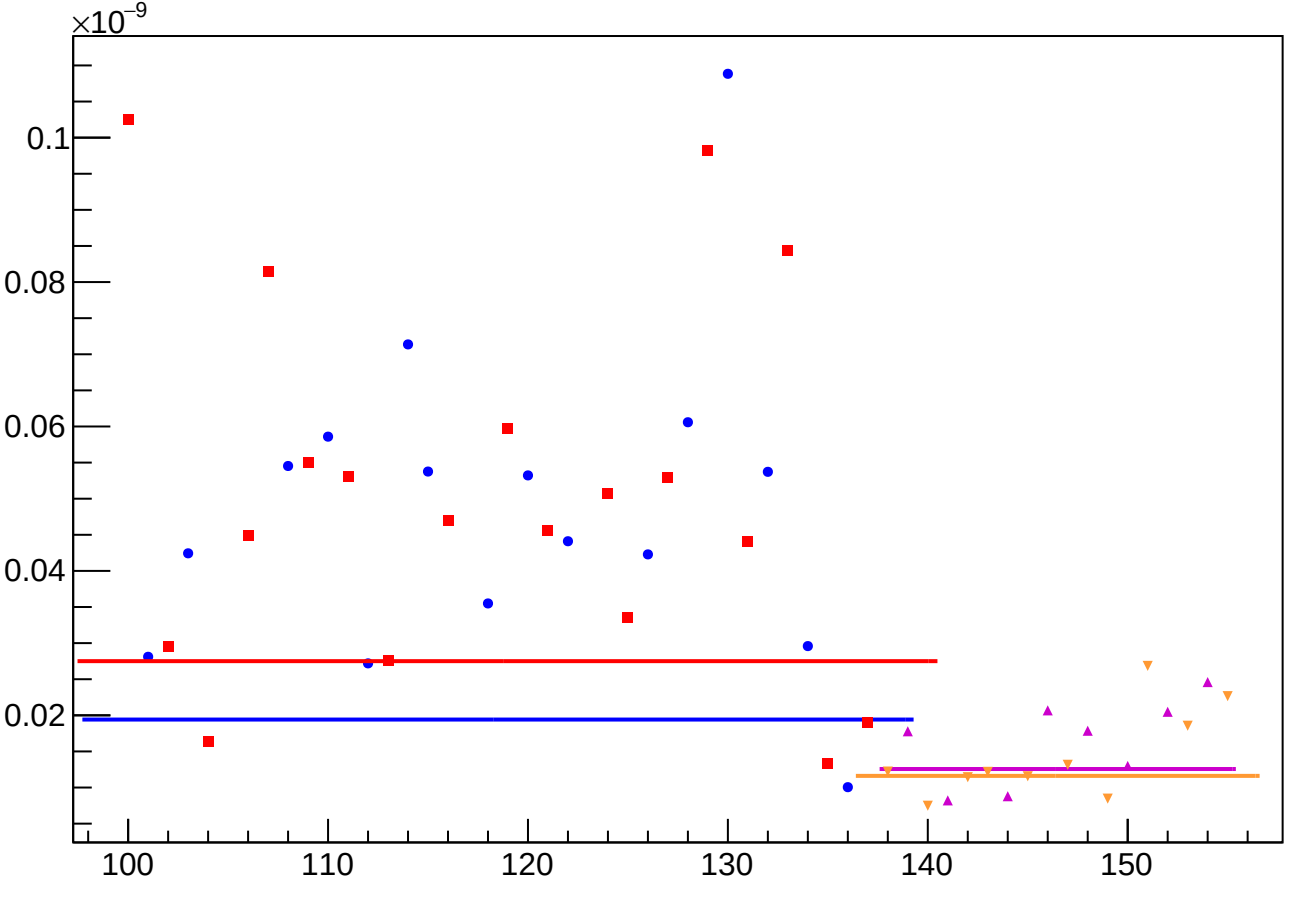
Left: 0.000+/-0.000 χ^2/NDF: 10.1/17

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:28.0/23

Out: 0.000+/-0.000 χ^2/NDF:29.1/28

All: 0.000+/-0.000 χ^2/NDF: 57.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:731524.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:818021.0/7

Left: 0.000+/-0.000 χ^2/NDF: 1564943.8/17

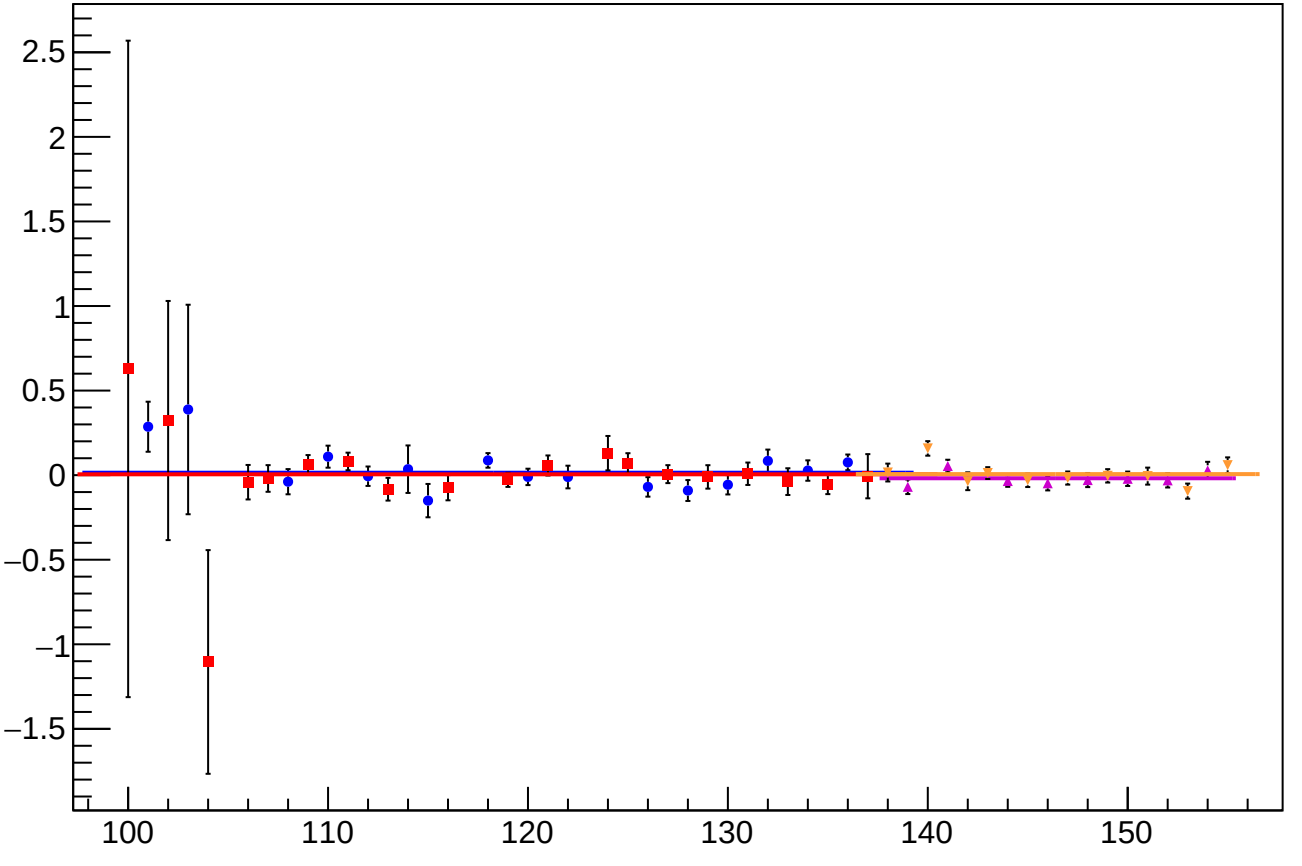
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3437865.3/23

Out: 0.000+/-0.000 χ^2/NDF:3591736.1/28

All: 0.000+/-0.000 χ^2/NDF: 7037349.8/52

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: 0.006+/-0.014 χ^2/NDF:20.9/9

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.018+/-0.015 χ^2/NDF:6.9/7

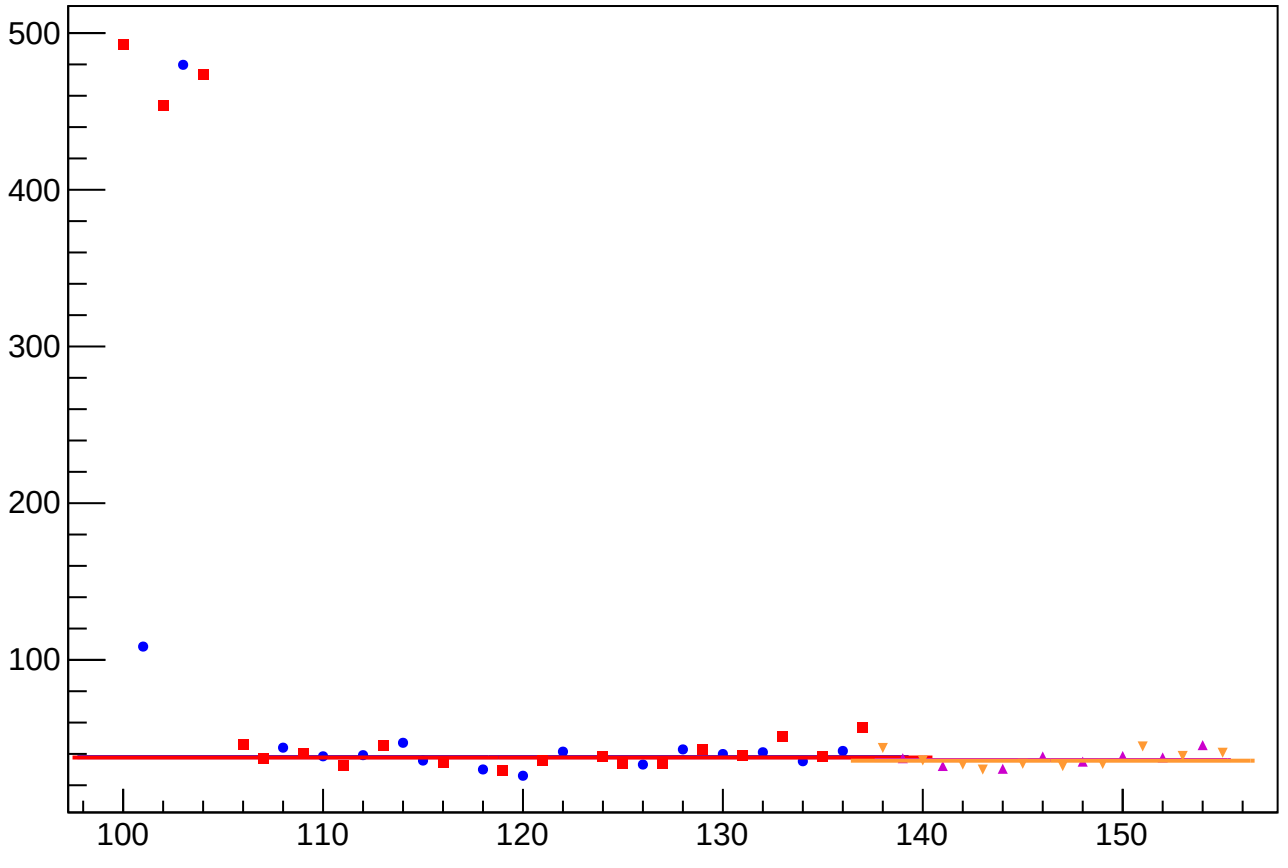
Left: -0.005+/-0.010 χ^2/NDF: 29.3/17

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.004+/-0.011 χ^2/NDF:31.3/23

Out: 0.006+/-0.010 χ^2/NDF:35.8/28

All: 0.001+/-0.007 χ^2/NDF: 67.4/52



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.675+/-0.010 χ^2/NDF:229057.8/9

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.090+/-0.010 χ^2/NDF:163018.8/7

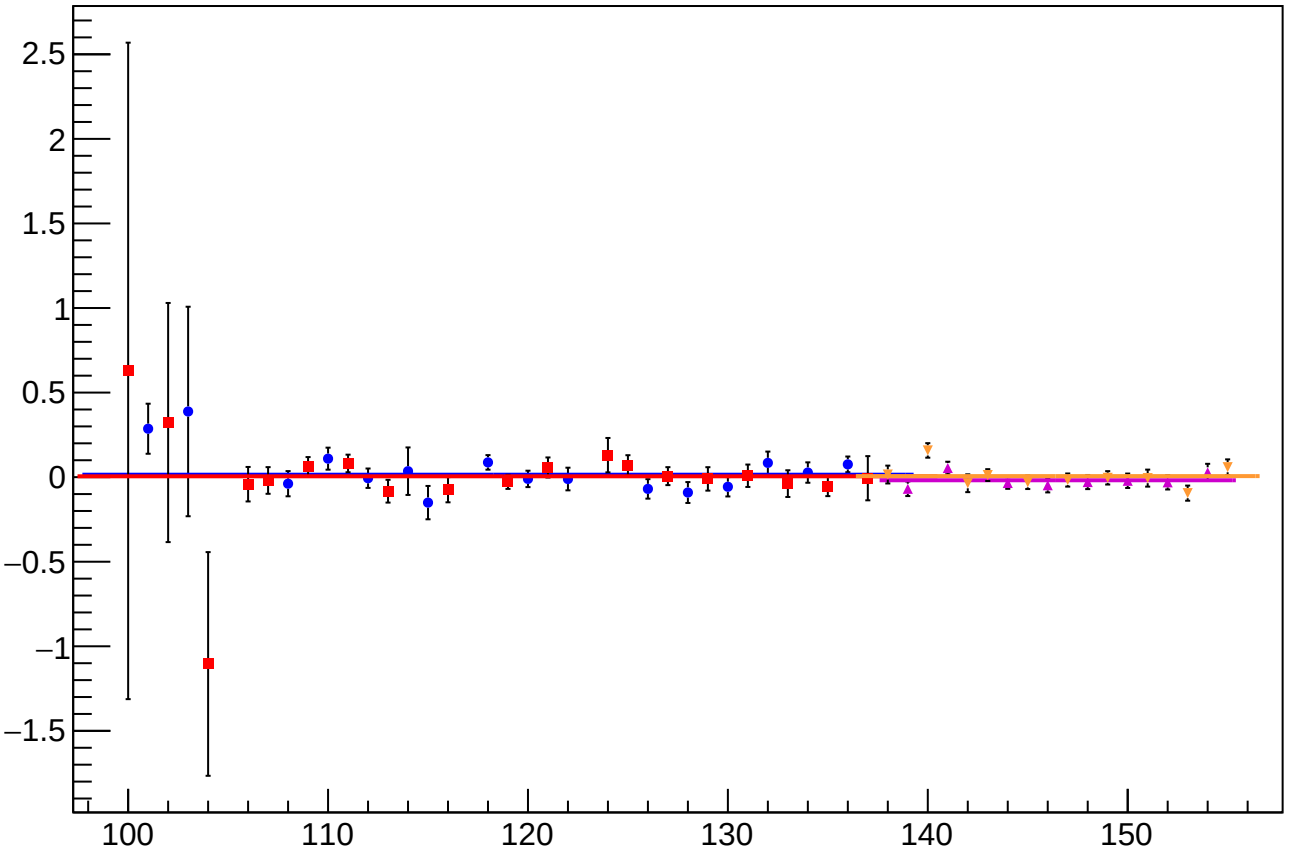
Left: 35.869+/-0.007 χ^2/NDF: 392944.3/17

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.931+/-0.008 χ^2/NDF:1917444.4/23

Out: 36.523+/-0.007 χ^2/NDF:2192342.1/28

All: 36.721+/-0.005 χ^2/NDF: 4111277.2/52



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.014 χ^2/NDF:20.9/9

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.018+/-0.015 χ^2/NDF:6.9/7

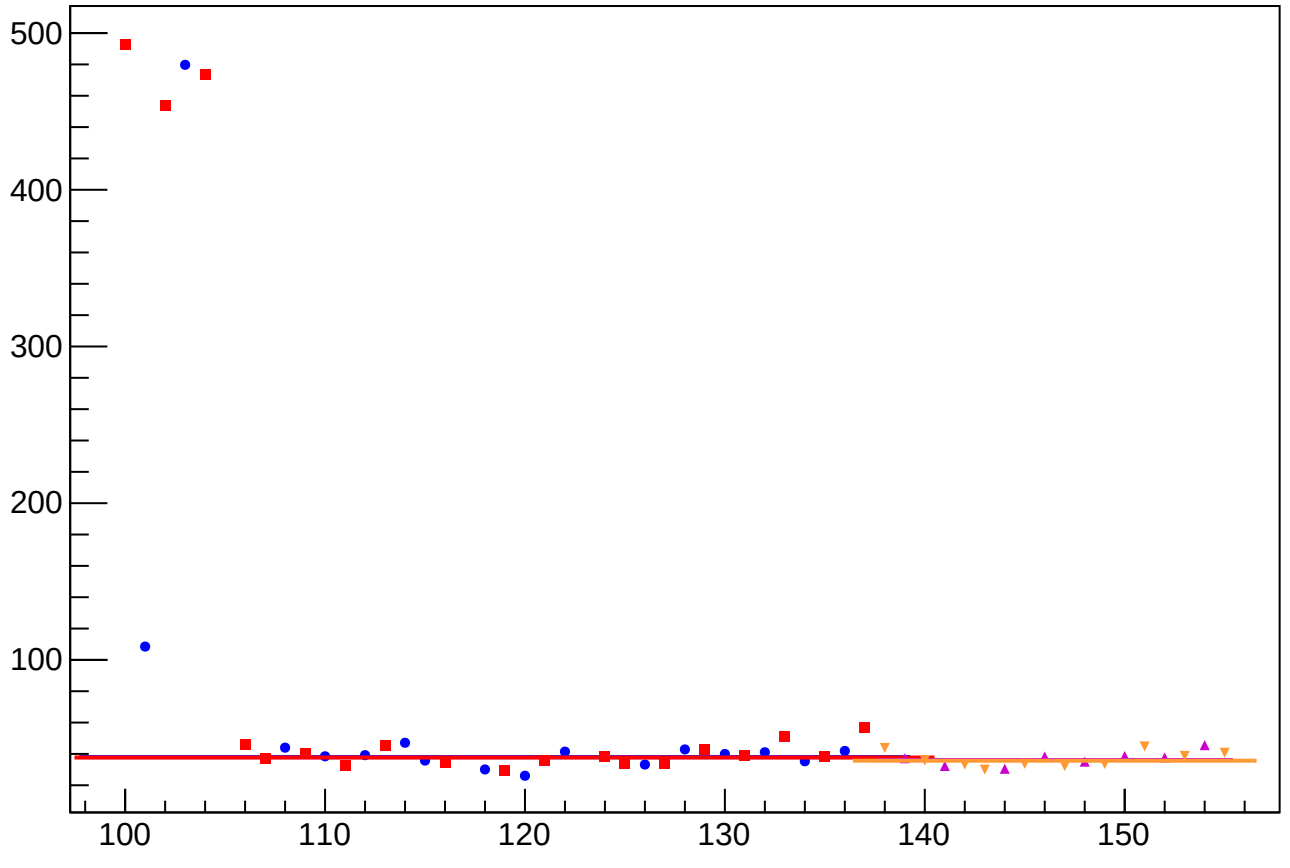
Left: -0.005+/-0.010 χ^2/NDF: 29.3/17

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.004+/-0.011 χ^2/NDF:31.3/23

Out: 0.006+/-0.010 χ^2/NDF:35.8/28

All: 0.001+/-0.007 χ^2/NDF: 67.4/52



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.675+/-0.010 χ^2/NDF:229057.8/9

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.090+/-0.010 χ^2/NDF:163018.8/7

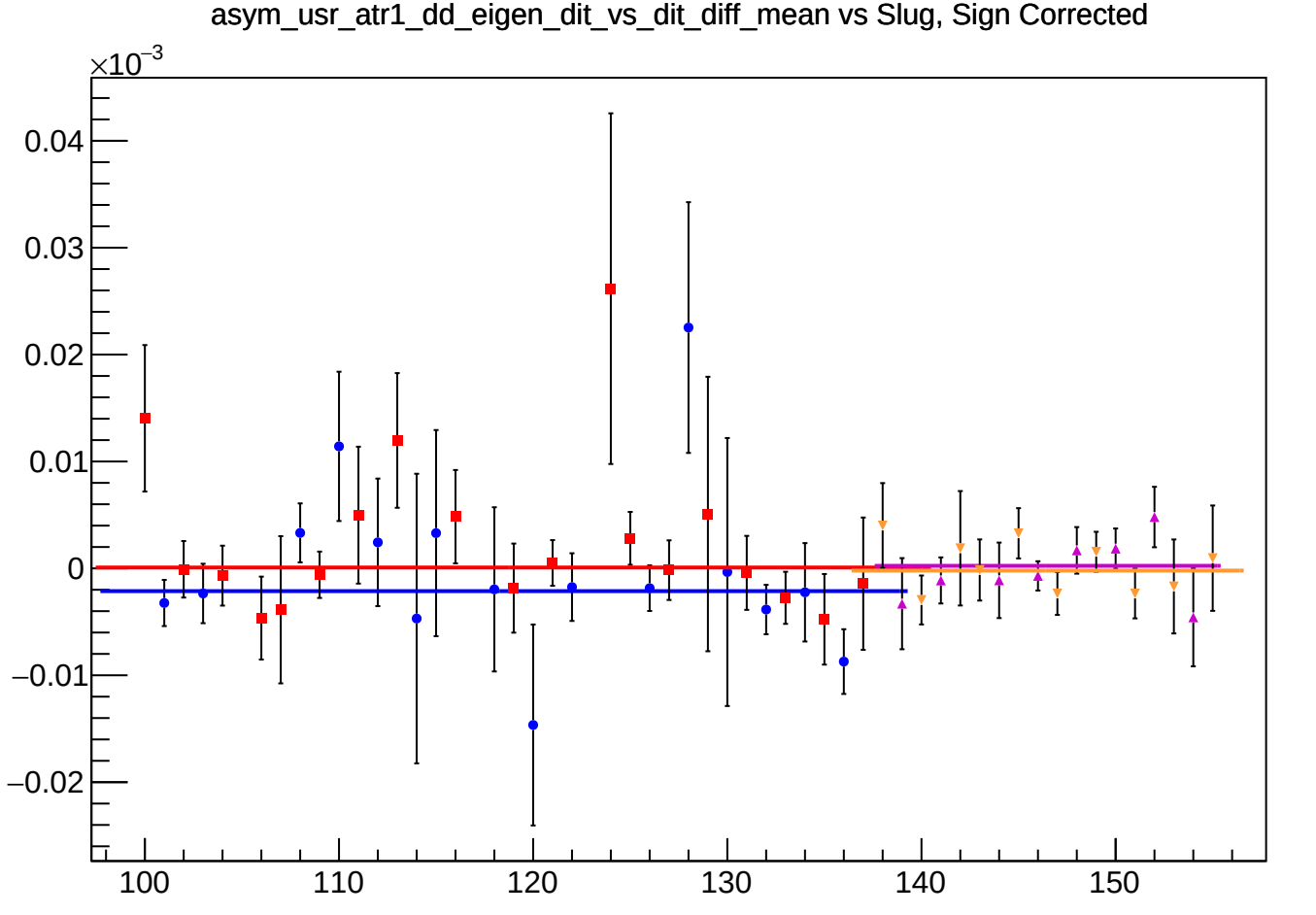
Left: 35.869+/-0.007 χ^2/NDF: 392944.3/17

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.931+/-0.008 χ^2/NDF:1917444.4/23

Out: 36.523+/-0.007 χ^2/NDF:2192342.1/28

All: 36.721+/-0.005 χ^2/NDF: 4111277.2/52



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/7

Left: 0.000+/-0.000 χ^2/NDF: 14.7/17

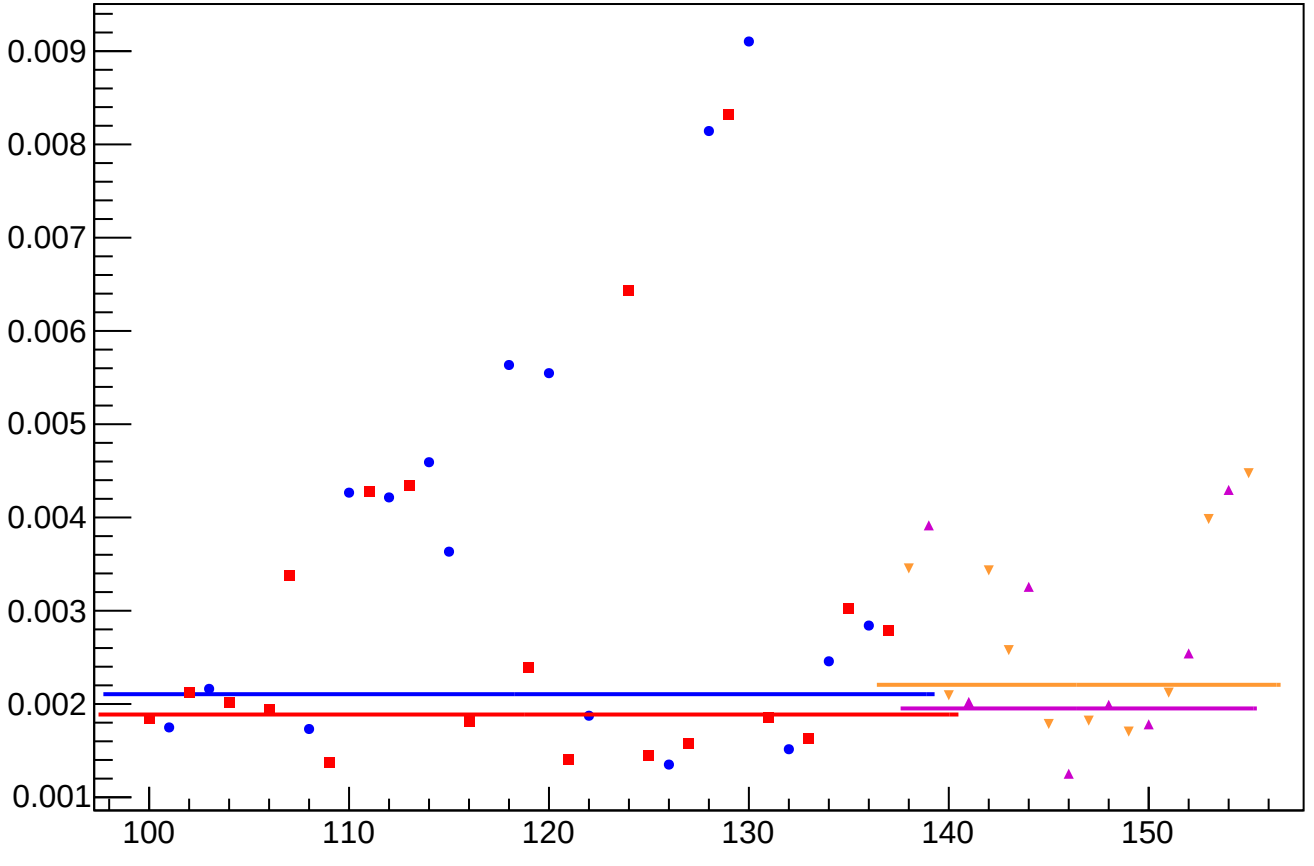
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:30.9/23

Out: -0.000+/-0.000 χ^2/NDF:26.4/28

All: -0.000+/-0.000 χ^2/NDF: 58.1/52

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1377271.0/9

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1849666.6/7

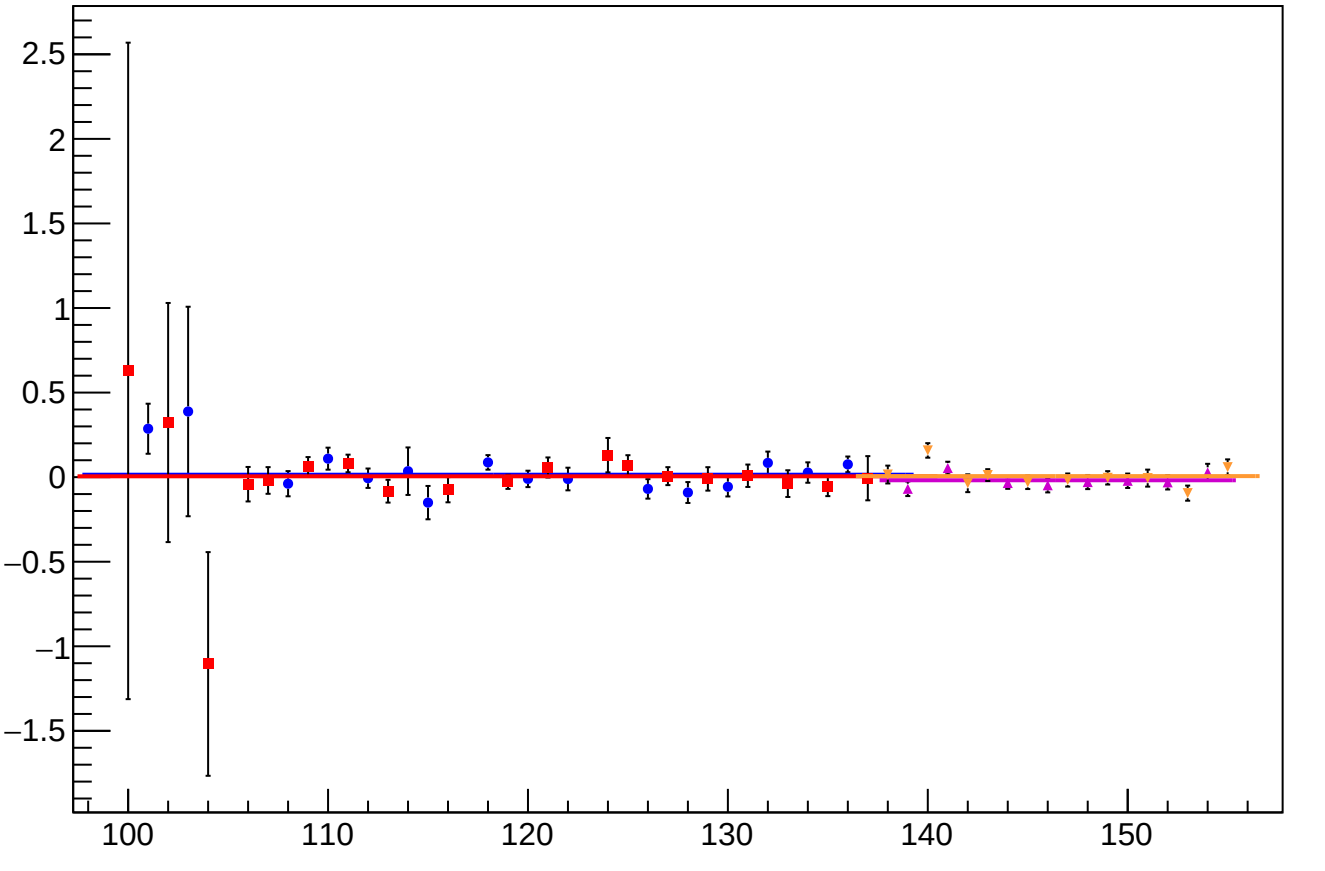
Left: 0.002+/-0.000 χ^2/NDF: 3321743.6/17

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:4899555.0/23

Out: 0.002+/-0.000 χ^2/NDF:3421539.5/28

All: 0.002+/-0.000 χ^2/NDF: 8321794.9/52



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.014 χ^2/NDF:20.9/9

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.018+/-0.015 χ^2/NDF:6.9/7

Left: -0.005+/-0.010 χ^2/NDF: 29.3/17

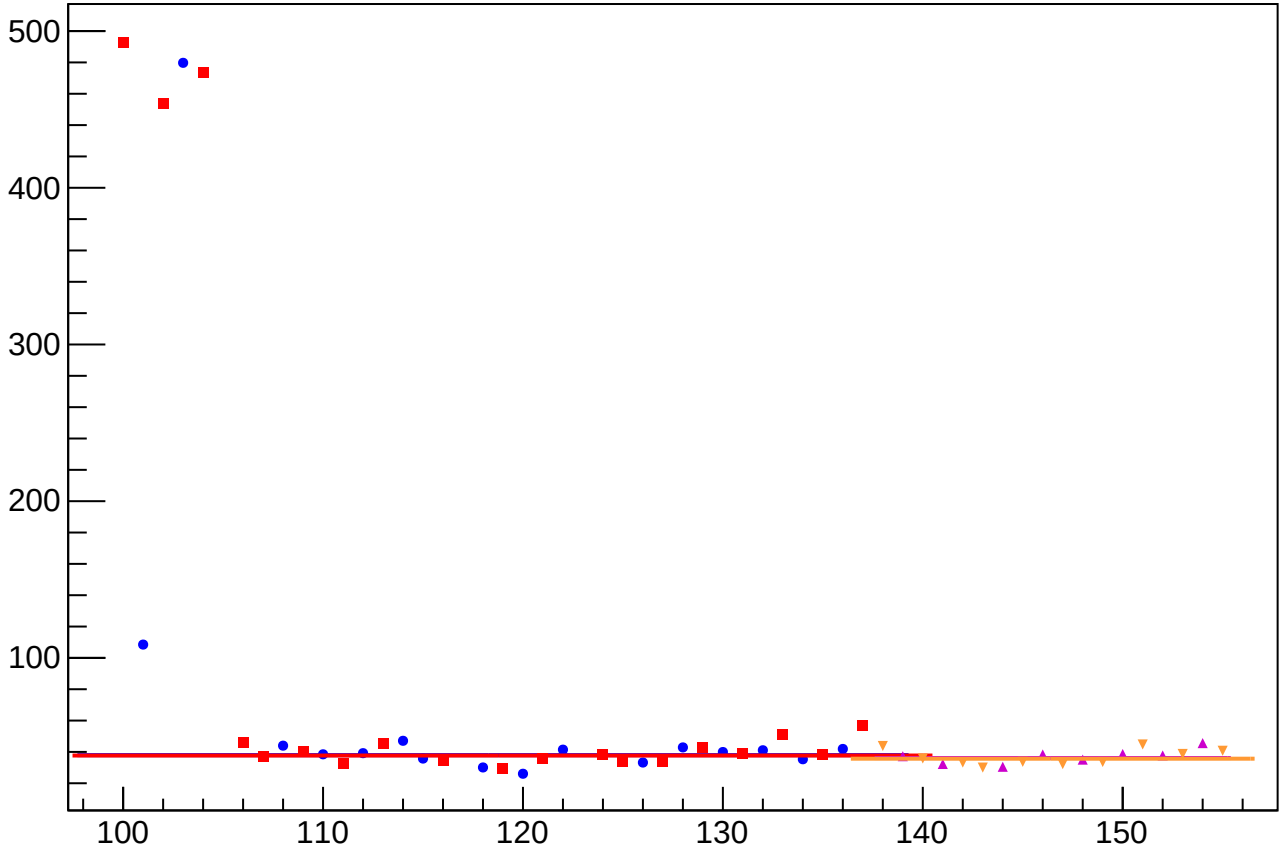
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.004+/-0.011 χ^2/NDF:31.3/23

Out: 0.006+/-0.010 χ^2/NDF:35.8/28

All: 0.001+/-0.007 χ^2/NDF: 67.4/52

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.675+/-0.010 χ^2/NDF:229115.5/9

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.090+/-0.010 χ^2/NDF:163059.0/7

Left: 35.869+/-0.007 χ^2/NDF: 393041.7/17

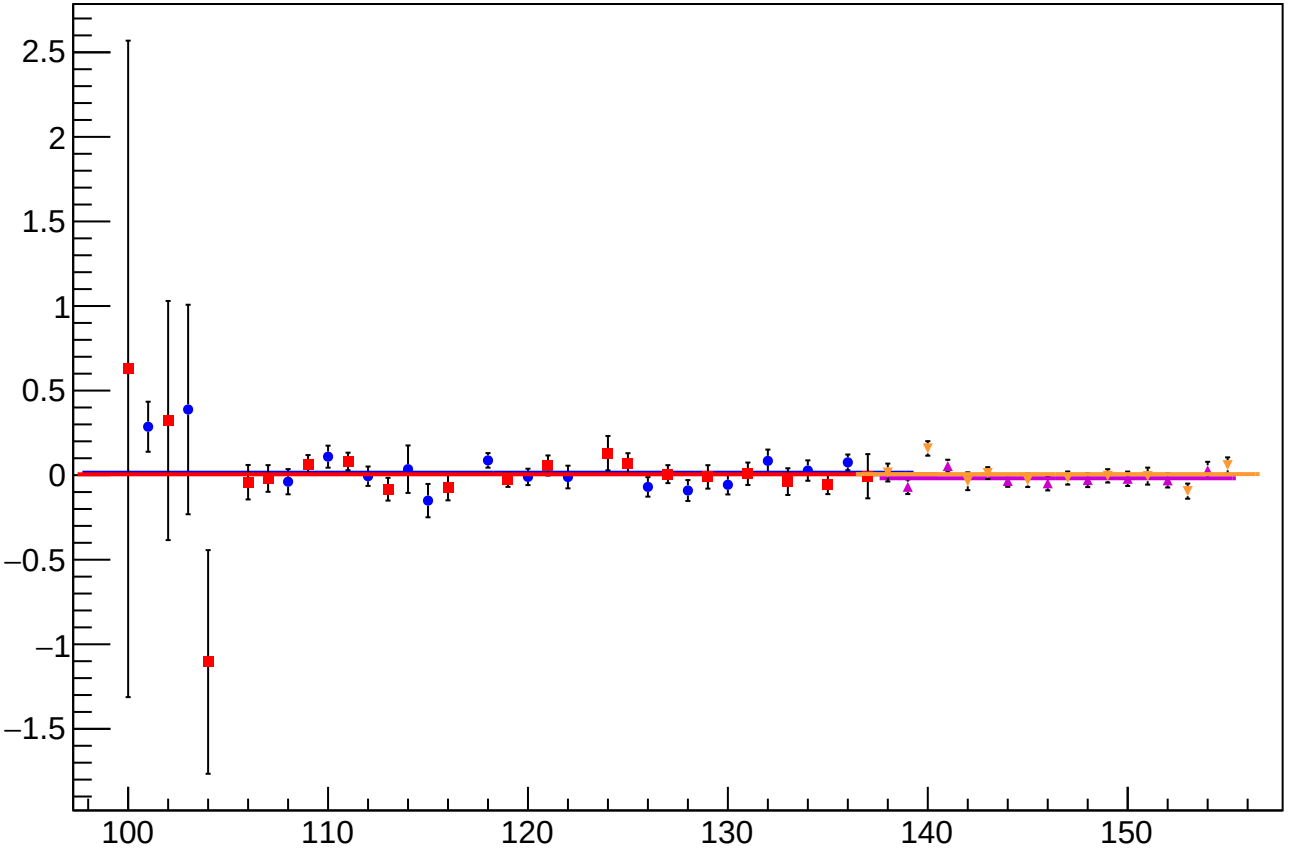
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.931+/-0.008 χ^2/NDF:1917491.9/23

Out: 36.523+/-0.007 χ^2/NDF:2192458.0/28

All: 36.720+/-0.005 χ^2/NDF: 4111442.1/52

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: 0.006+/-0.014 χ^2/NDF:20.9/9

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.018+/-0.015 χ^2/NDF:6.9/7

Left: -0.005+/-0.010 χ^2/NDF: 29.3/17

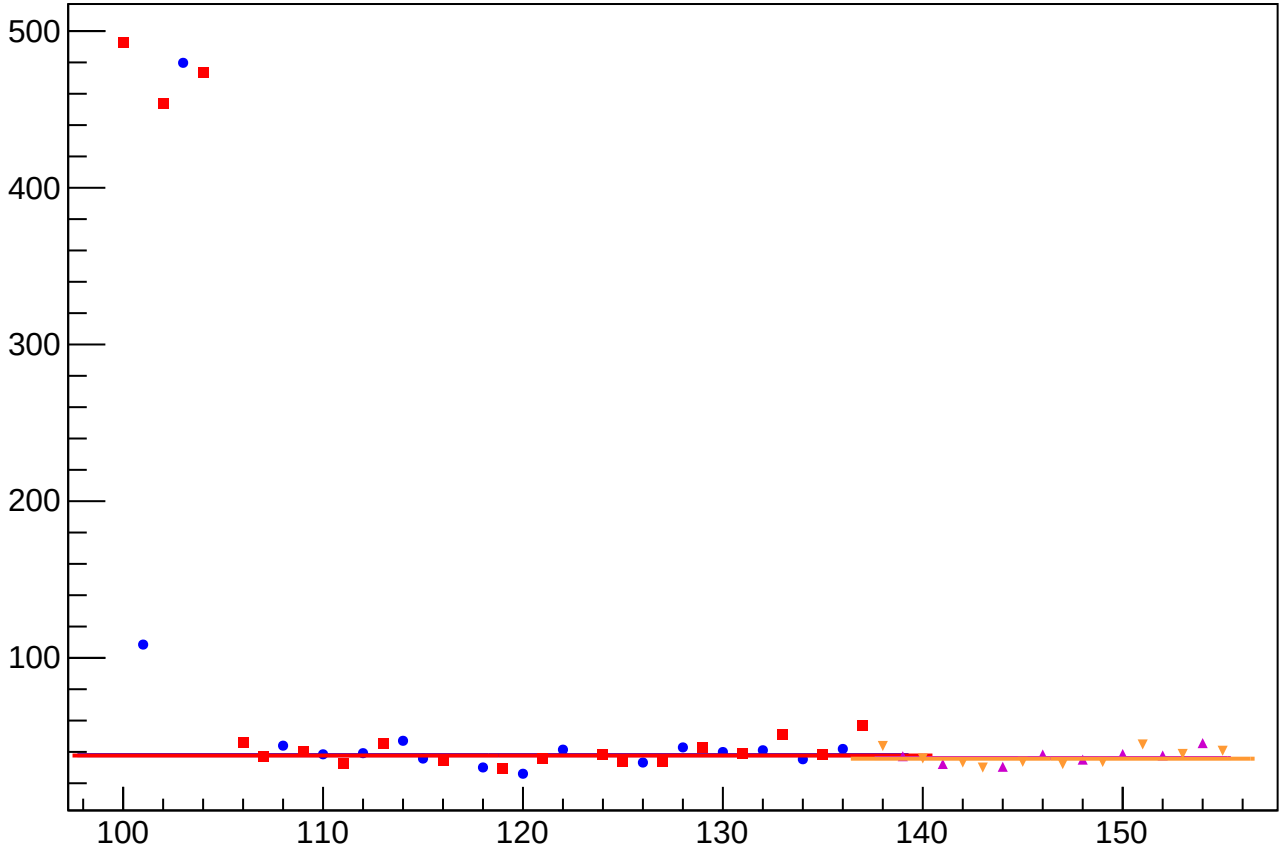
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.004+/-0.011 χ^2/NDF:31.3/23

Out: 0.006+/-0.010 χ^2/NDF:35.8/28

All: 0.001+/-0.007 χ^2/NDF: 67.4/52

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.675+/-0.010 χ^2/NDF:229115.5/9

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.090+/-0.010 χ^2/NDF:163059.0/7

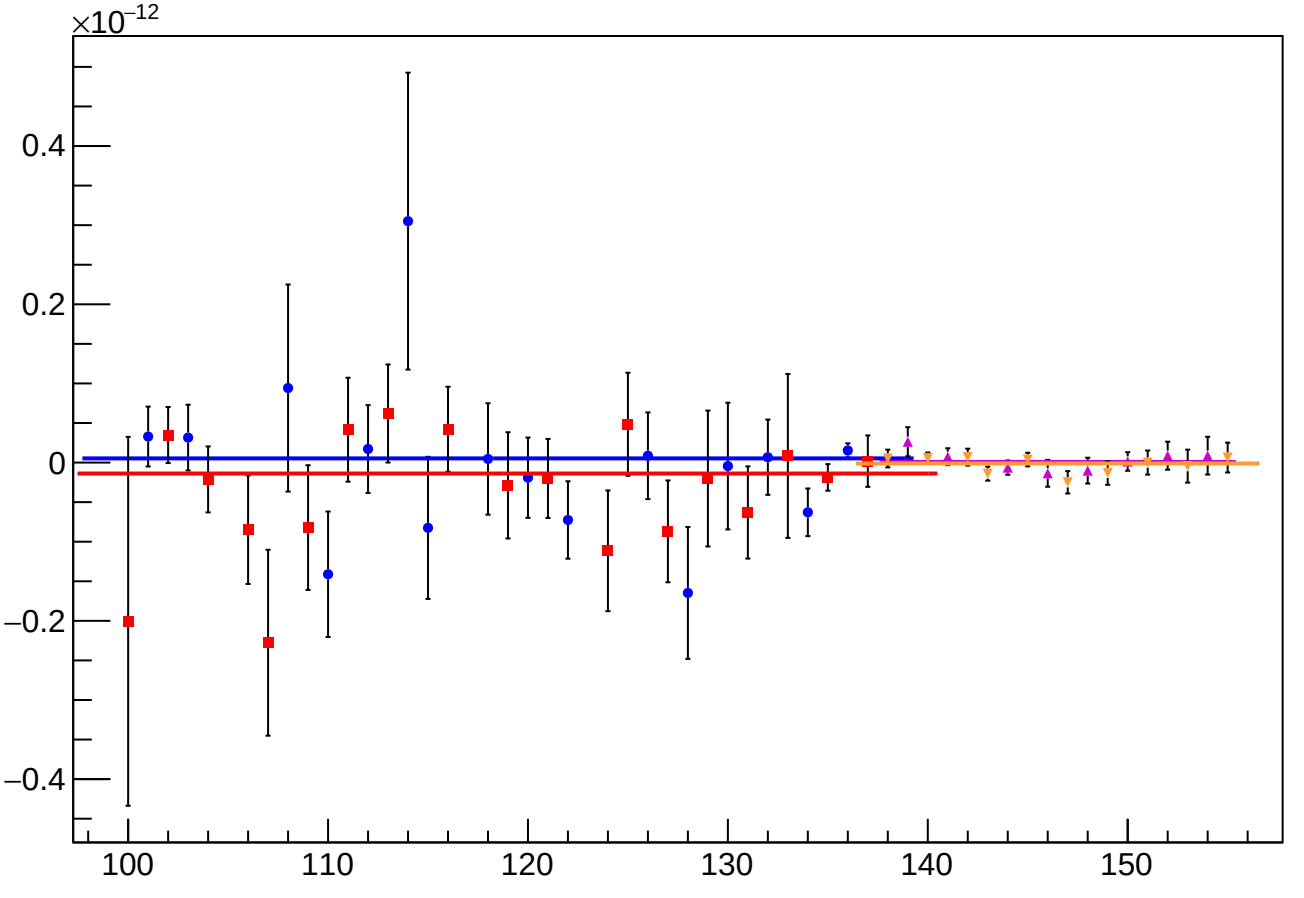
Left: 35.869+/-0.007 χ^2/NDF: 393041.7/17

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.931+/-0.008 χ^2/NDF:1917491.9/23

Out: 36.523+/-0.007 χ^2/NDF:2192458.0/28

All: 36.720+/-0.005 χ^2/NDF: 4111442.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:4.4/7

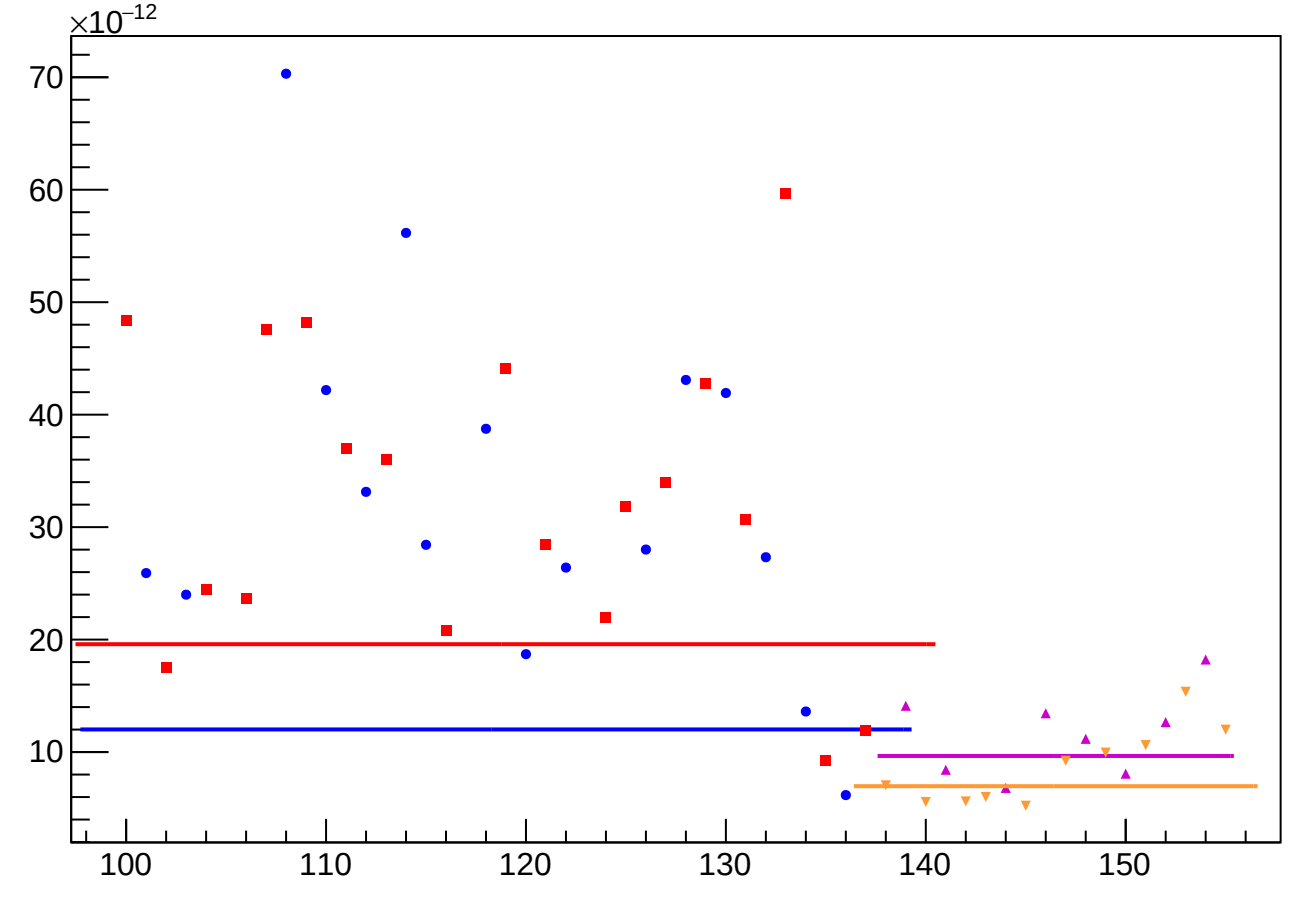
Left: -0.000+/-0.000 χ^2/NDF: 12.3/17

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:26.3/23

Out: -0.000+/-0.000 χ^2/NDF:25.0/28

All: -0.000+/-0.000 χ^2/NDF: 52.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:923066.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:810432.4/7

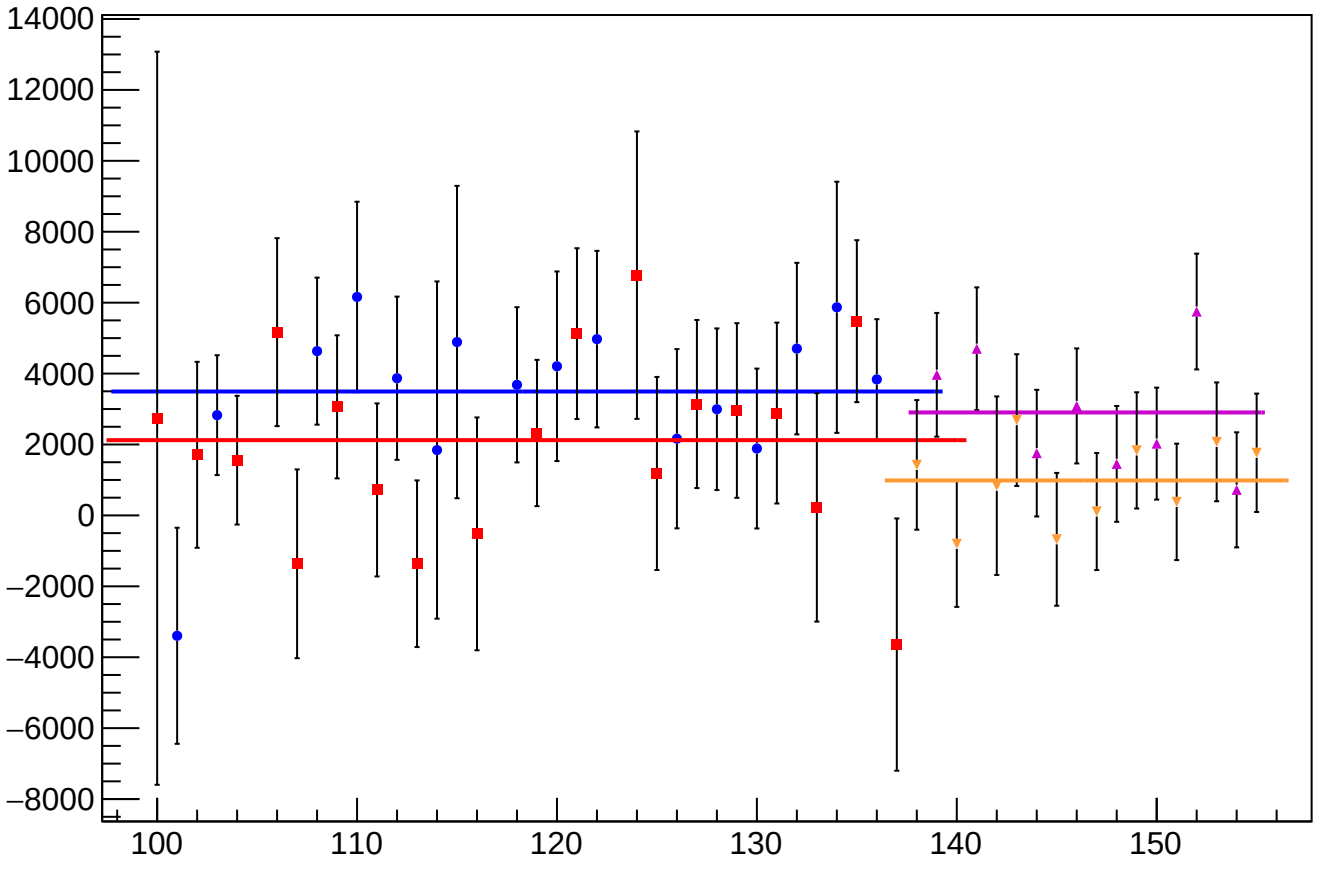
Left: 0.000+/-0.000 χ^2/NDF: 2140961.7/17

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:4818352.4/23

Out: 0.000+/-0.000 χ^2/NDF:6115357.8/28

All: 0.000+/-0.000 χ^2/NDF: 11254122.3/52



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 985.793+/-561.371 χ^2/NDF:4.0/9

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2903.615+/-588.543 χ^2/NDF:7.8/7

Left: 1899.412+/-406.216 χ^2/NDF: 17.4/17

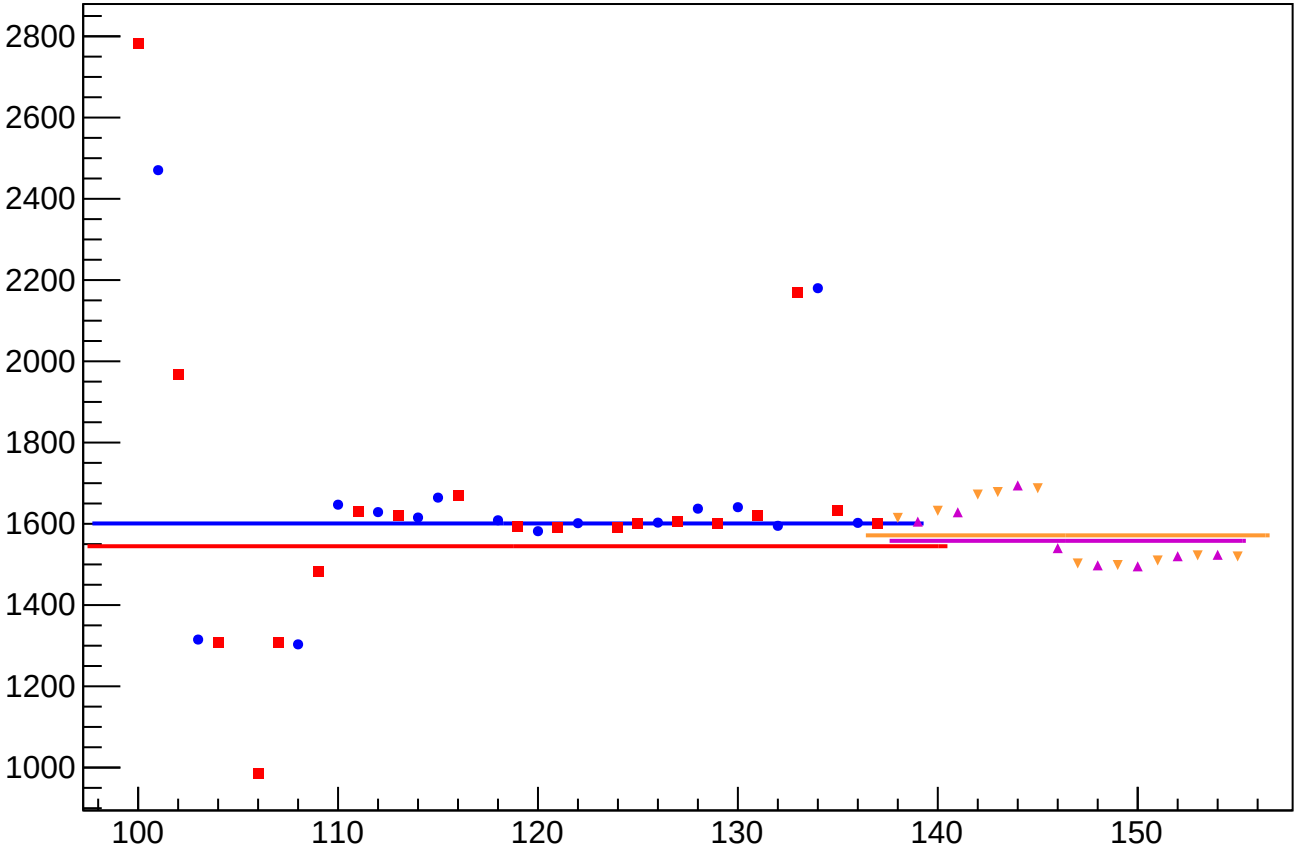
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3192.721+/-420.561 χ^2/NDF:17.1/23

Out: 1527.822+/-405.911 χ^2/NDF:21.1/28

All: 2330.768+/-292.064 χ^2/NDF: 46.3/52

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1571.596+/-0.397 χ^2/NDF:34844.7/9

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1558.102+/-0.416 χ^2/NDF:24540.8/7

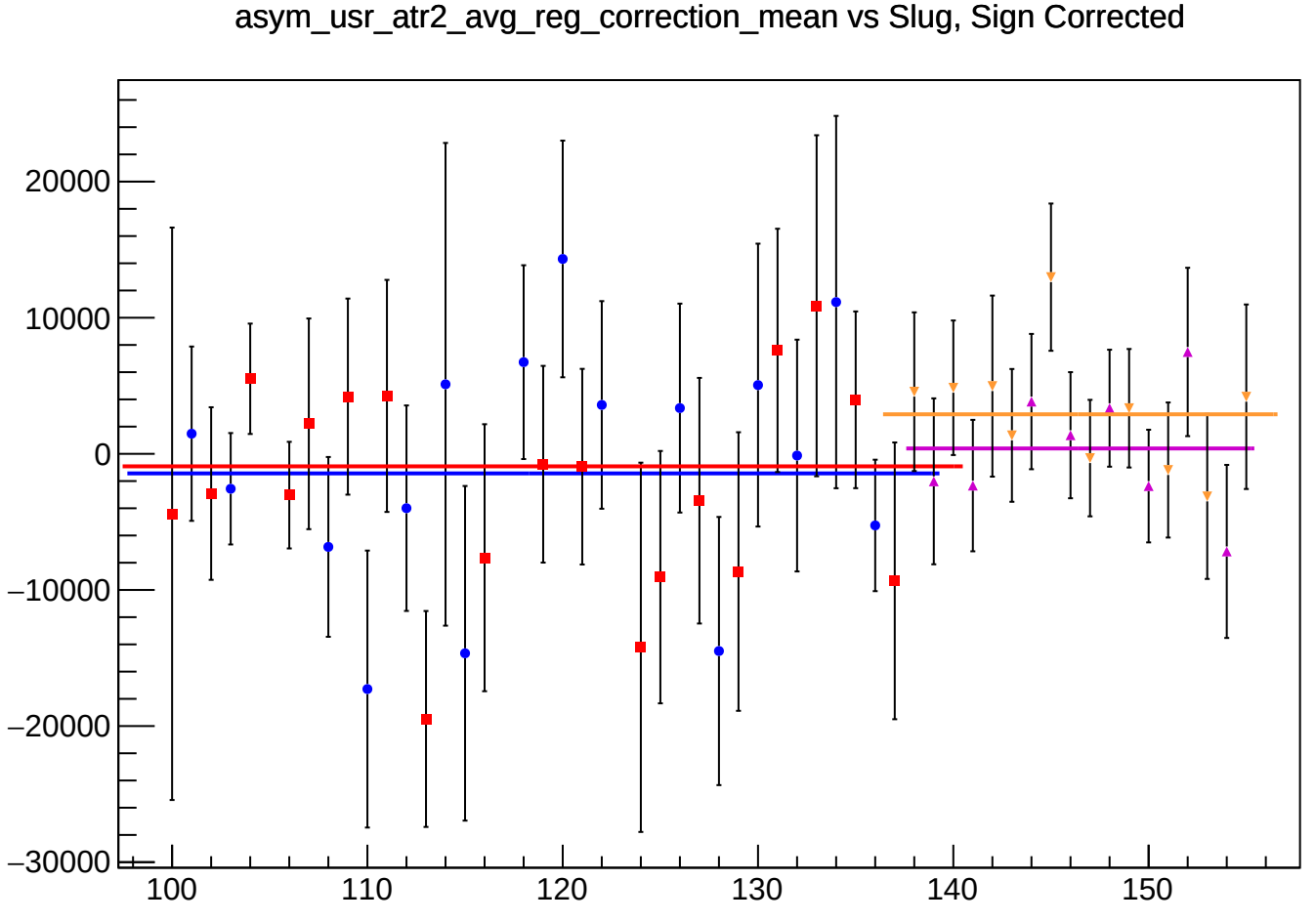
Left: 1565.168+/-0.287 χ^2/NDF: 59936.0/17

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1579.036+/-0.297 χ^2/NDF:347125.6/23

Out: 1558.589+/-0.285 χ^2/NDF:413183.3/28

All: 1568.368+/-0.206 χ^2/NDF: 762775.5/52



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 2904.799+/-1652.604 χ^2/NDF:6.2/9

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 394.689+/-1766.967 χ^2/NDF:4.7/7

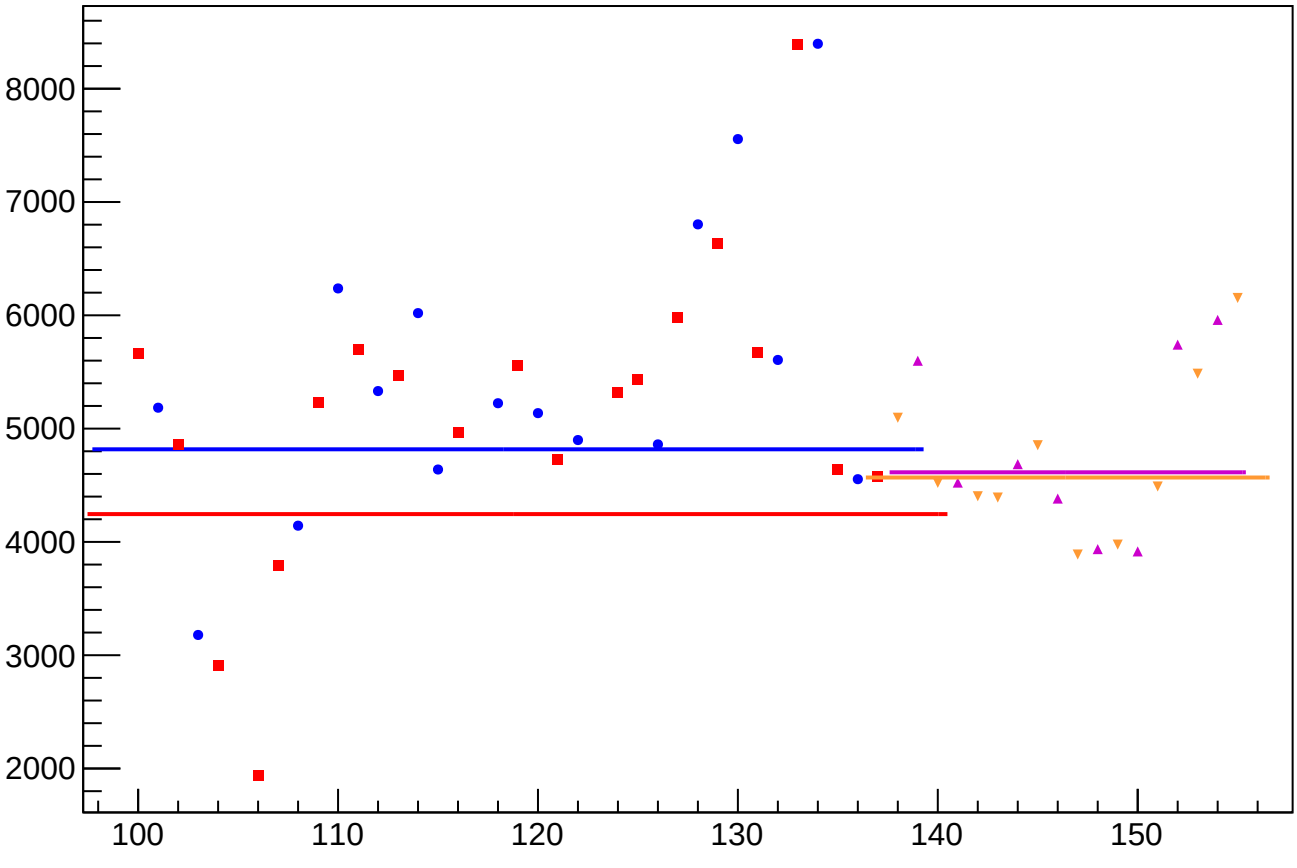
Left: 1733.598+/-1206.974 χ^2/NDF: 11.9/17

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -480.032+/-1277.216 χ^2/NDF:19.0/23

Out: 1012.347+/-1174.418 χ^2/NDF:24.2/28

All: 328.624+/-864.500 χ^2/NDF: 43.9/52



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4568.396+/-1.169 χ^2/NDF:268994.8/9

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4614.416+/-1.249 χ^2/NDF:320958.4/7

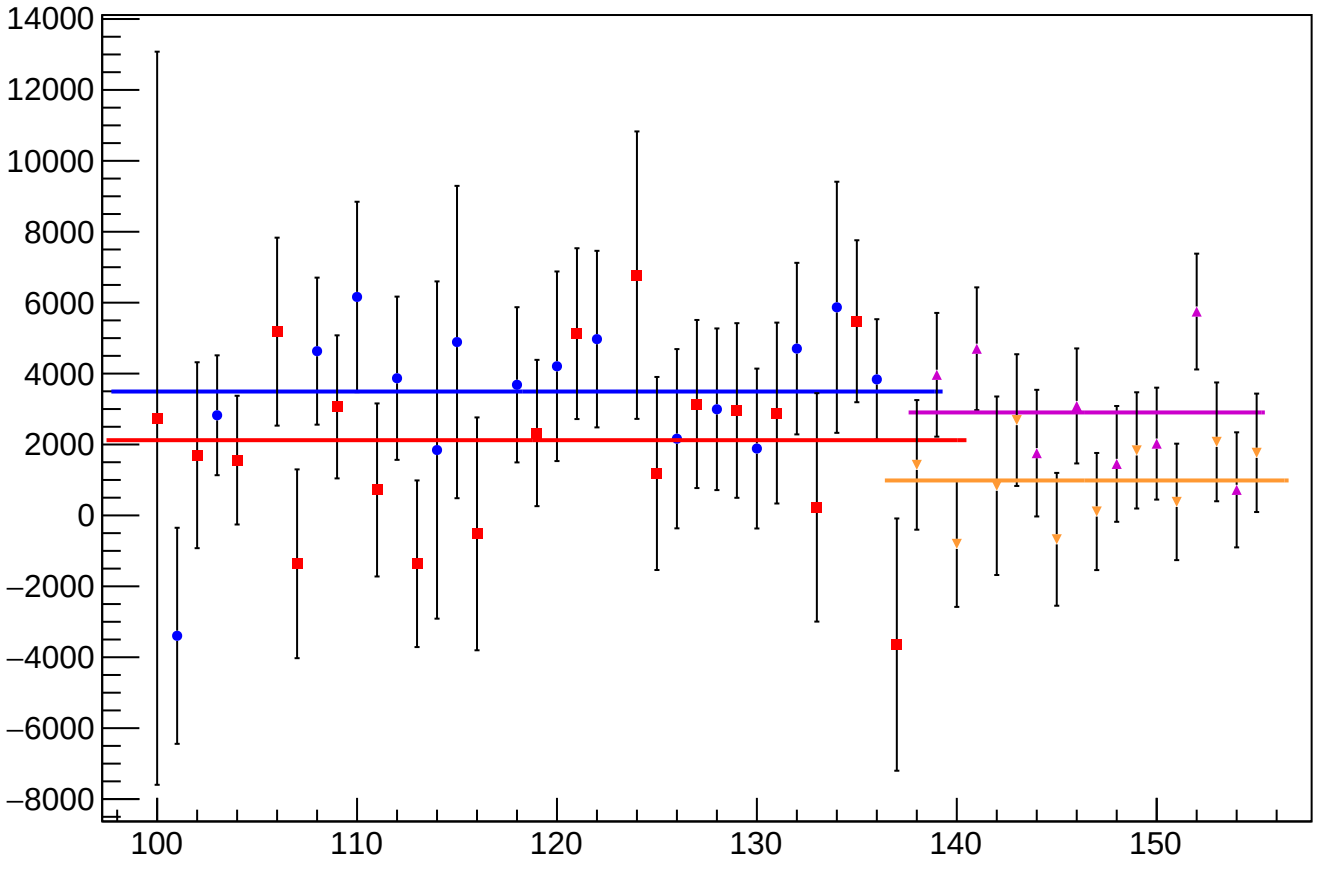
Left: 4589.869+/-0.853 χ^2/NDF: 590676.8/17

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4711.317+/-0.903 χ^2/NDF:1128985.9/23

Out: 4408.585+/-0.830 χ^2/NDF:1989938.8/28

All: 4547.280+/-0.611 χ^2/NDF: 3179808.8/52



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 985.704+/-561.371 χ^2/NDF:4.0/9

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2903.716+/-588.543 χ^2/NDF:7.8/7

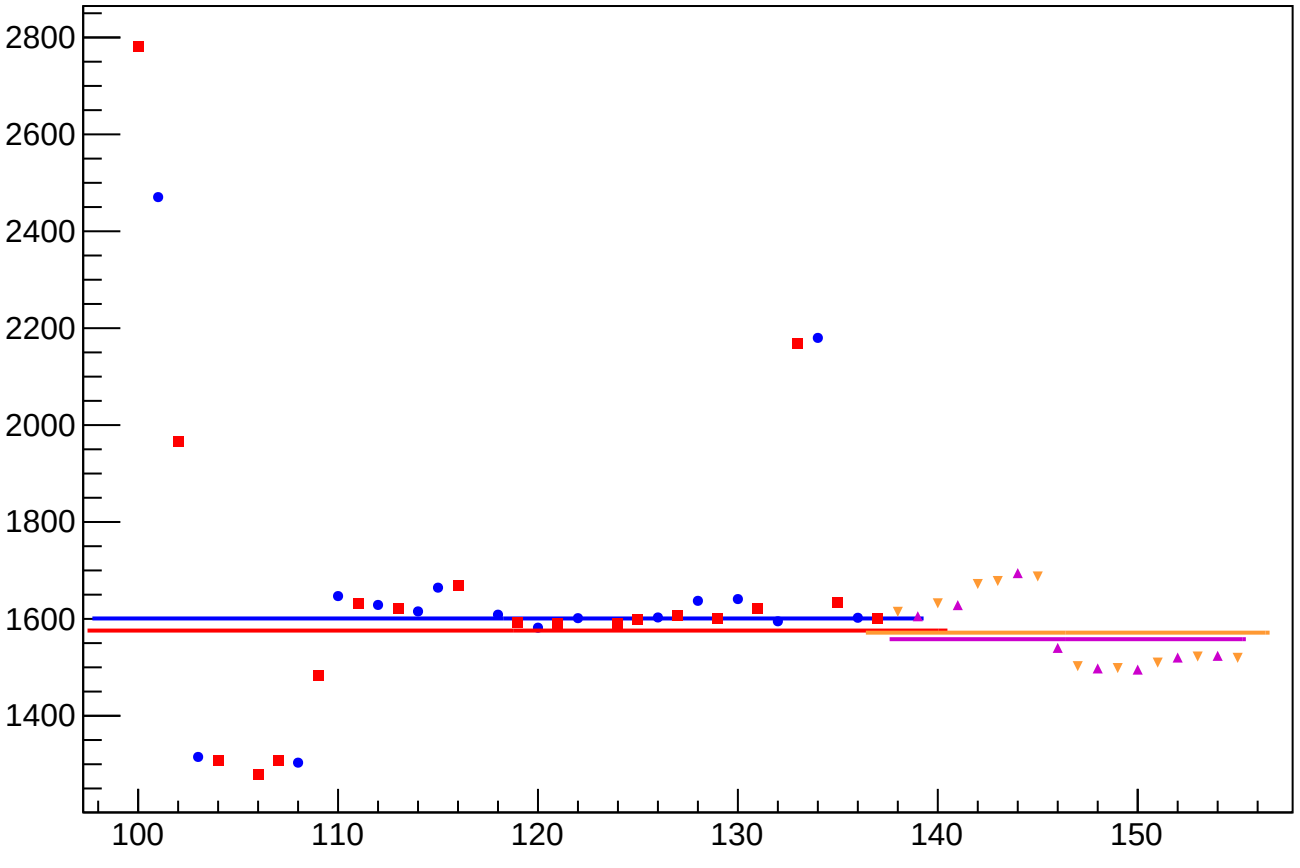
Left: 1899.413+/-406.216 χ^2/NDF: 17.4/17

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3192.609+/-420.561 χ^2/NDF:17.1/23

Out: 1527.768+/-405.912 χ^2/NDF:21.1/28

All: 2330.688+/-292.065 χ^2/NDF: 46.3/52



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1571.596+/-0.397 χ^2/NDF:34844.7/9

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1558.102+/-0.416 χ^2/NDF:24540.8/7

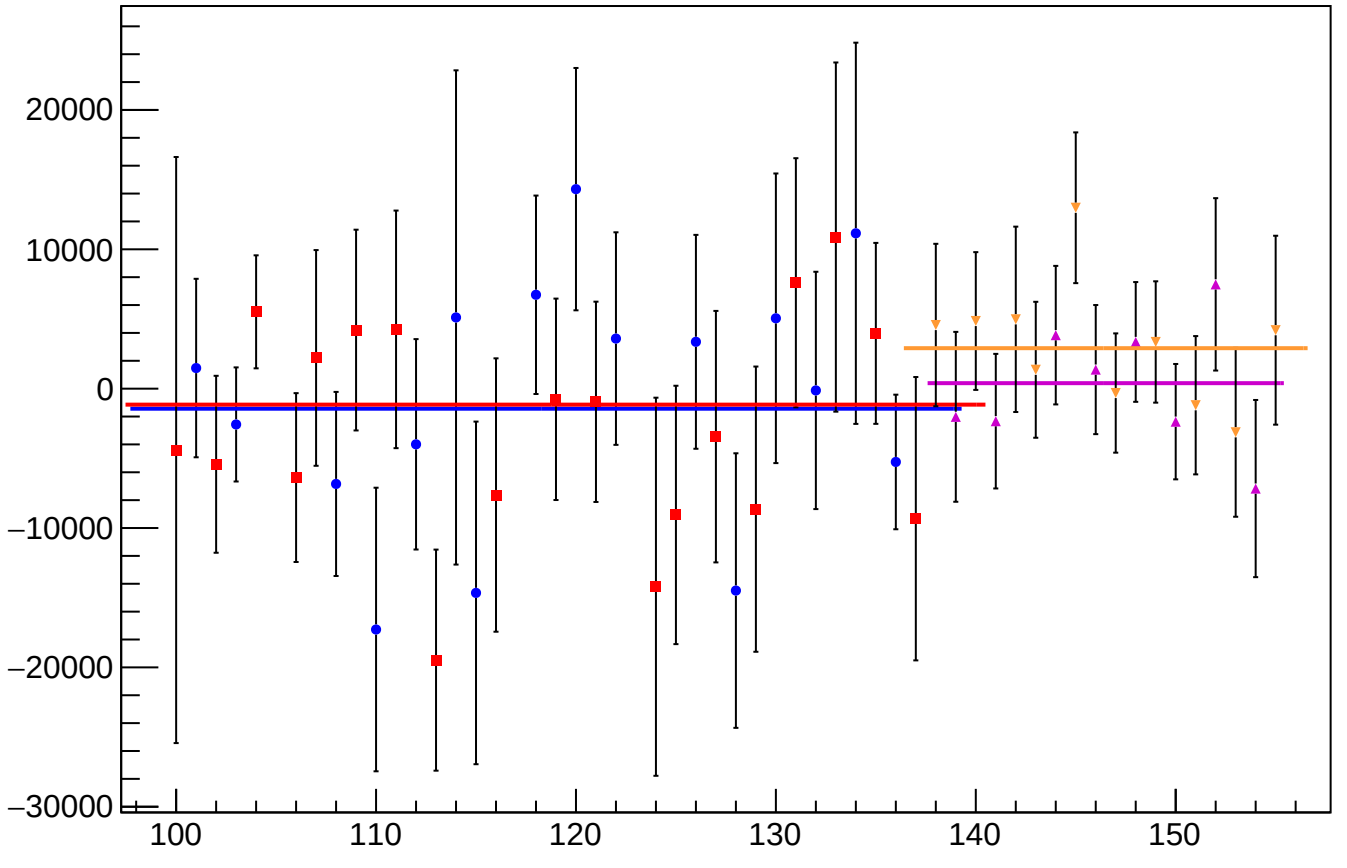
Left: 1565.168+/-0.287 χ^2/NDF: 59936.0/17

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1579.036+/-0.297 χ^2/NDF:347124.8/23

Out: 1573.658+/-0.286 χ^2/NDF:278233.0/28

All: 1576.247+/-0.206 χ^2/NDF: 625527.4/52



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 2904.766+/-1652.600 χ^2/NDF:6.2/9

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 394.847+/-1766.967 χ^2/NDF:4.6/7

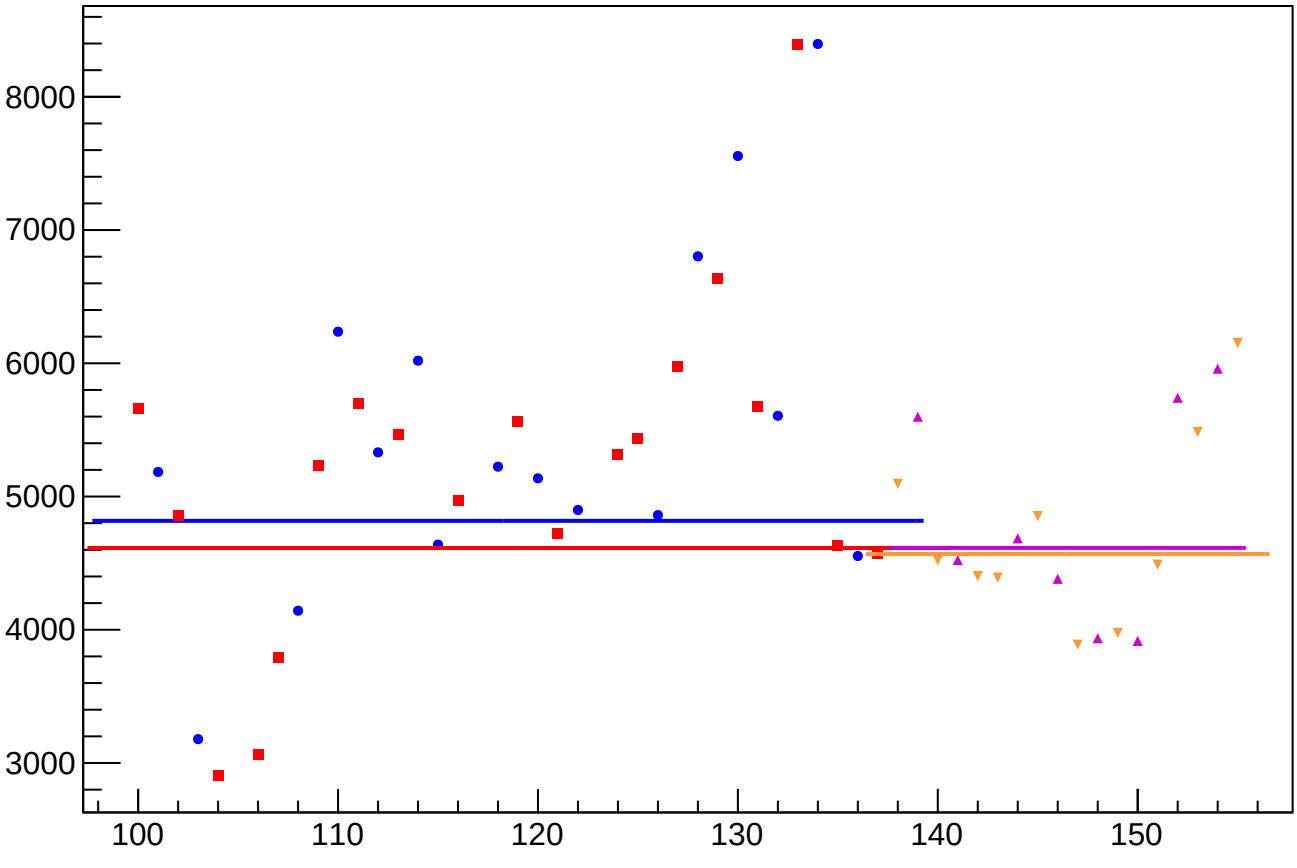
Left: 1733.657+/-1206.972 χ^2/NDF: 11.9/17

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -480.047+/-1277.228 χ^2/NDF:19.0/23

Out: 1012.820+/-1206.468 χ^2/NDF:25.2/28

All: 308.884+/-877.050 χ^2/NDF: 45.0/52



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4568.385+/-1.169 χ^2/NDF:269002.5/9

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4614.415+/-1.249 χ^2/NDF:320959.2/7

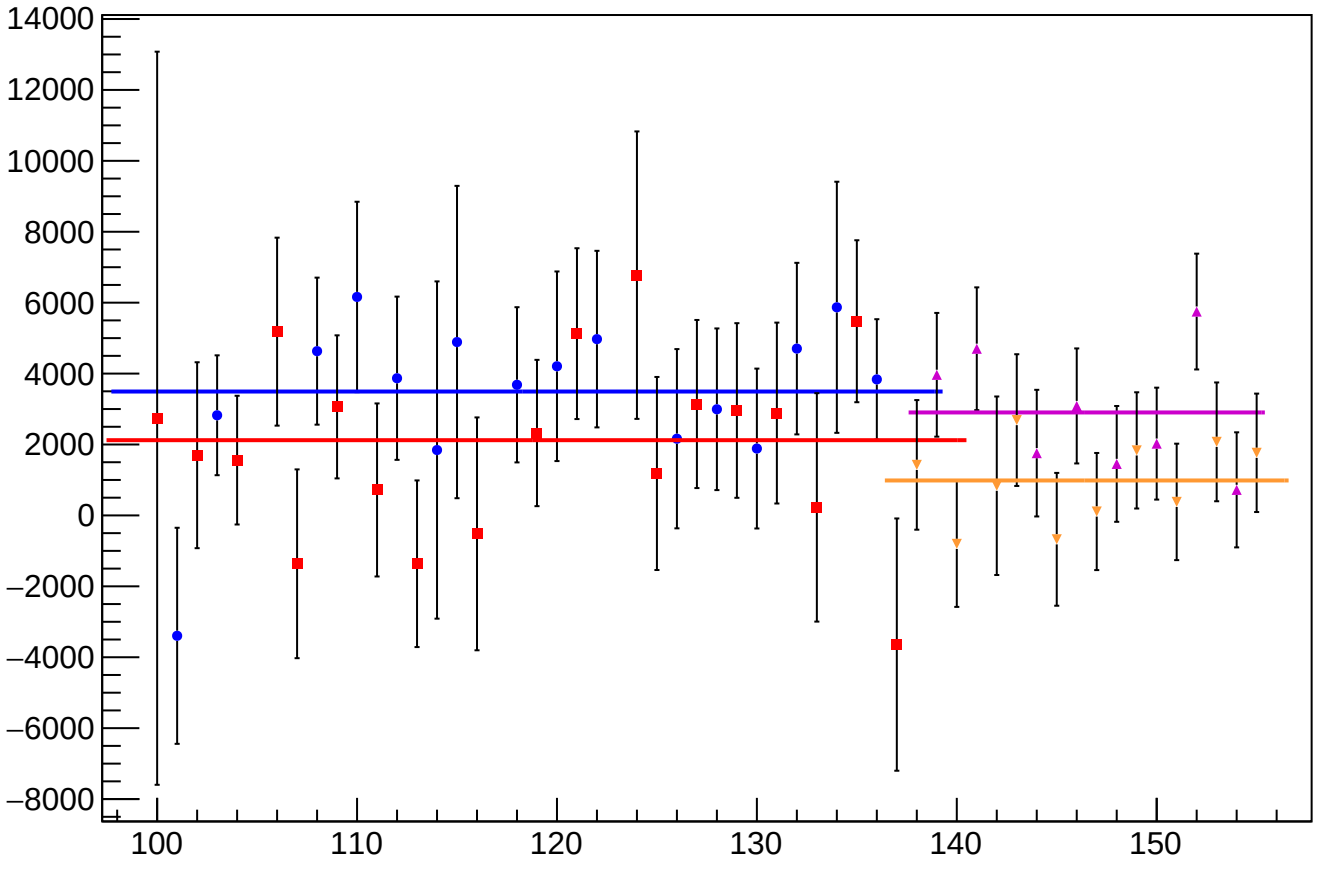
Left: 4589.862+/-0.853 χ^2/NDF: 590685.6/17

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4711.380+/-0.903 χ^2/NDF:1128805.6/23

Out: 4589.619+/-0.853 χ^2/NDF:1247667.6/28

All: 4647.034+/-0.620 χ^2/NDF: 2386078.8/52



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 985.704+/-561.371 χ^2/NDF:4.0/9

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2903.716+/-588.543 χ^2/NDF:7.8/7

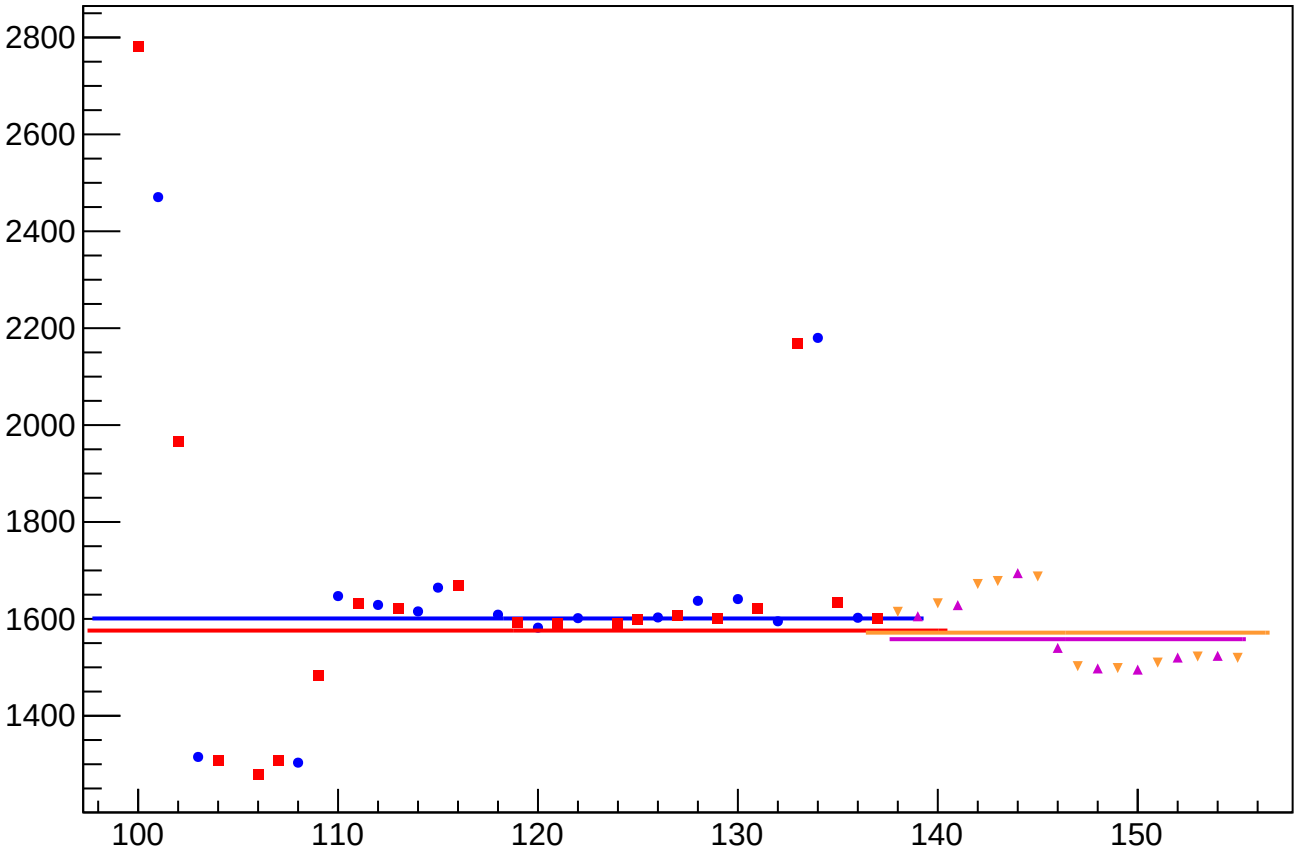
Left: 1899.413+/-406.216 χ^2/NDF: 17.4/17

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3192.609+/-420.561 χ^2/NDF:17.1/23

Out: 1527.768+/-405.912 χ^2/NDF:21.1/28

All: 2330.688+/-292.065 χ^2/NDF: 46.3/52



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1571.596+/-0.397 χ^2/NDF:34844.7/9

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1558.102+/-0.416 χ^2/NDF:24540.8/7

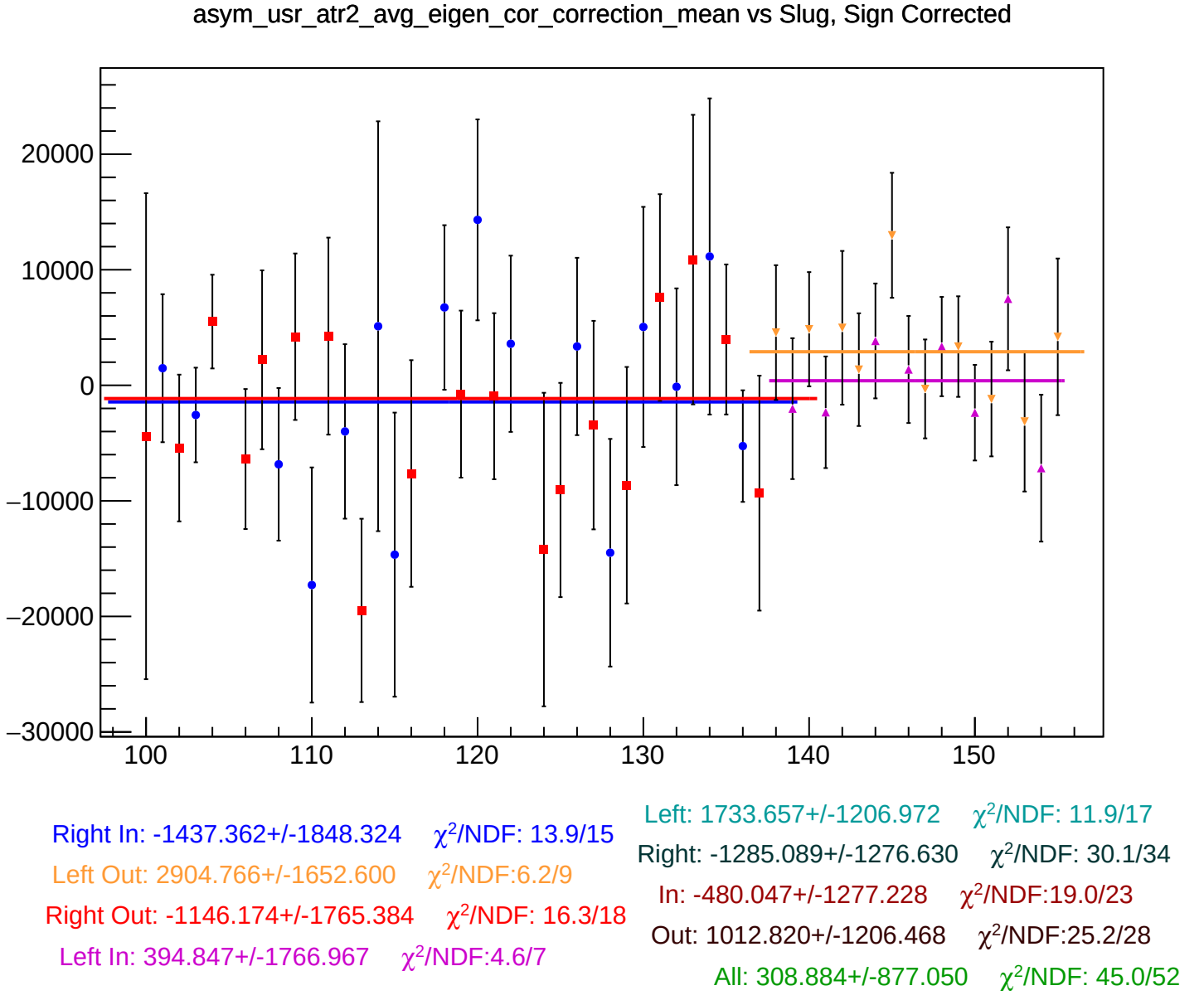
Left: 1565.168+/-0.287 χ^2/NDF: 59936.0/17

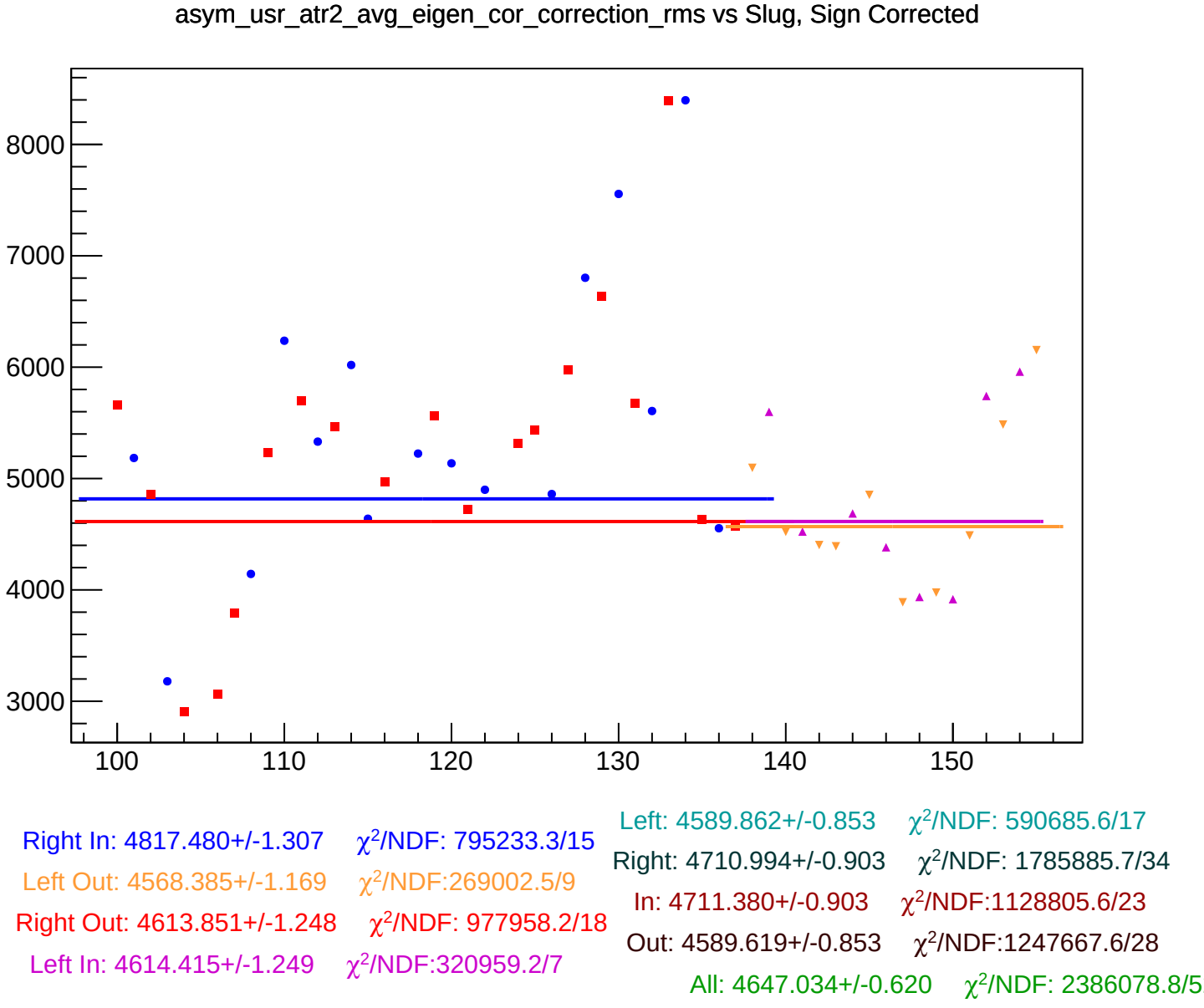
Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

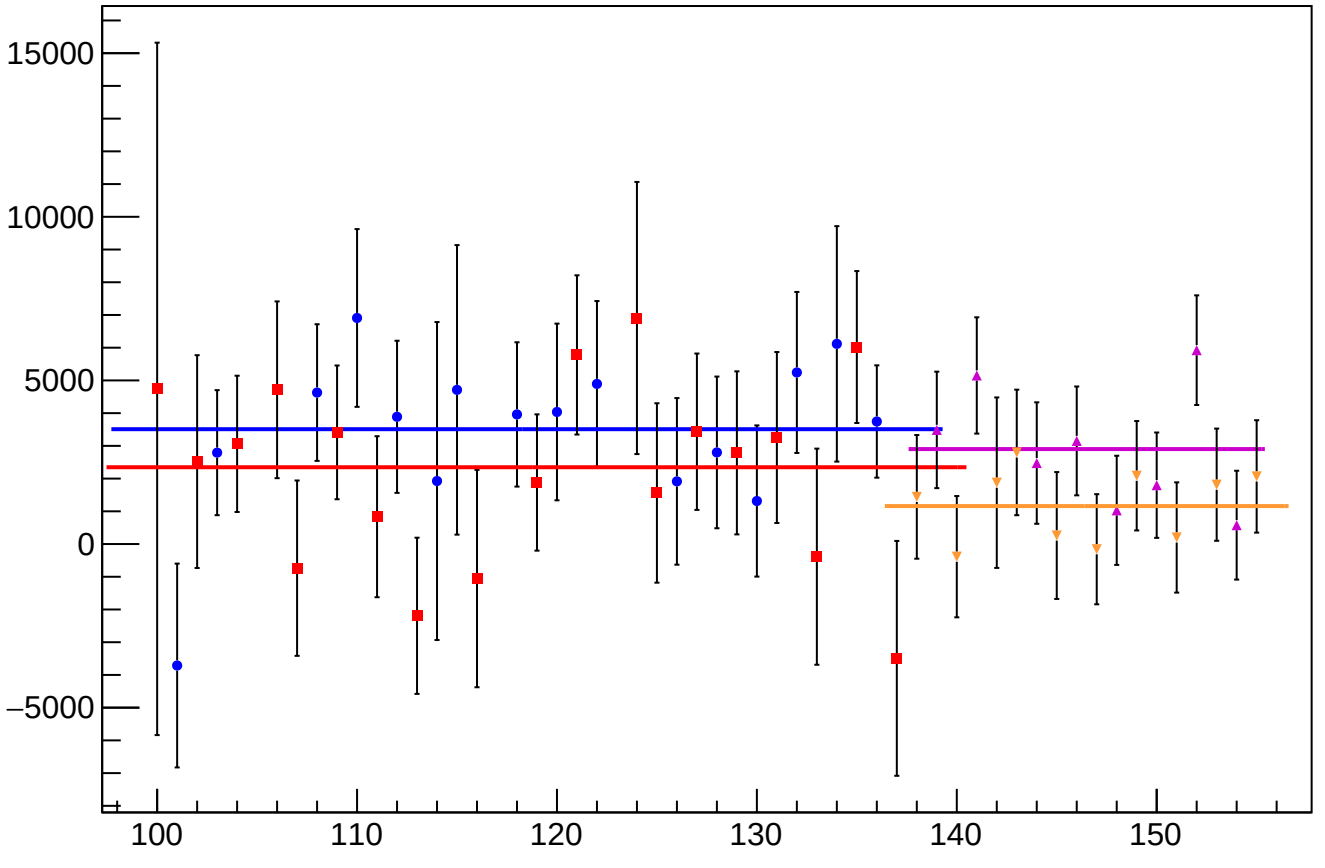
In: 1579.036+/-0.297 χ^2/NDF:347124.8/23

Out: 1573.658+/-0.286 χ^2/NDF:278233.0/28

All: 1576.247+/-0.206 χ^2/NDF: 625527.4/52


asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1437.362+/-1848.324 χ²/NDF: 13.9/15
Left Out: 2904.766+/-1652.600 χ²/NDF:6.2/9
Right Out: -1146.174+/-1765.384 χ²/NDF: 16.3/18
Left In: 394.847+/-1766.967 χ²/NDF:4.6/7
Left: 1733.657+/-1206.972 χ²/NDF: 11.9/17
Right: -1285.089+/-1276.630 χ²/NDF: 30.1/34
In: -480.047+/-1277.228 χ²/NDF:19.0/23
Out: 1012.820+/-1206.468 χ²/NDF:25.2/28
All: 308.884+/-877.050 χ²/NDF: 45.0/52


asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
Right In: 4817.480+/-1.307 χ²/NDF: 795233.3/15
Left Out: 4568.385+/-1.169 χ²/NDF:269002.5/9
Right Out: 4613.851+/-1.248 χ²/NDF: 977958.2/18
Left In: 4614.415+/-1.249 χ²/NDF:320959.2/7
Left: 4589.862+/-0.853 χ²/NDF: 590685.6/17
Right: 4710.994+/-0.903 χ²/NDF: 1785885.7/34
In: 4711.380+/-0.903 χ²/NDF:1128805.6/23
Out: 4589.619+/-0.853 χ²/NDF:1247667.6/28
All: 4647.034+/-0.620 χ²/NDF: 2386078.8/52



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1159.369+/-577.417 χ^2/NDF:3.4/9

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 2902.220+/-603.262 χ^2/NDF:8.7/7

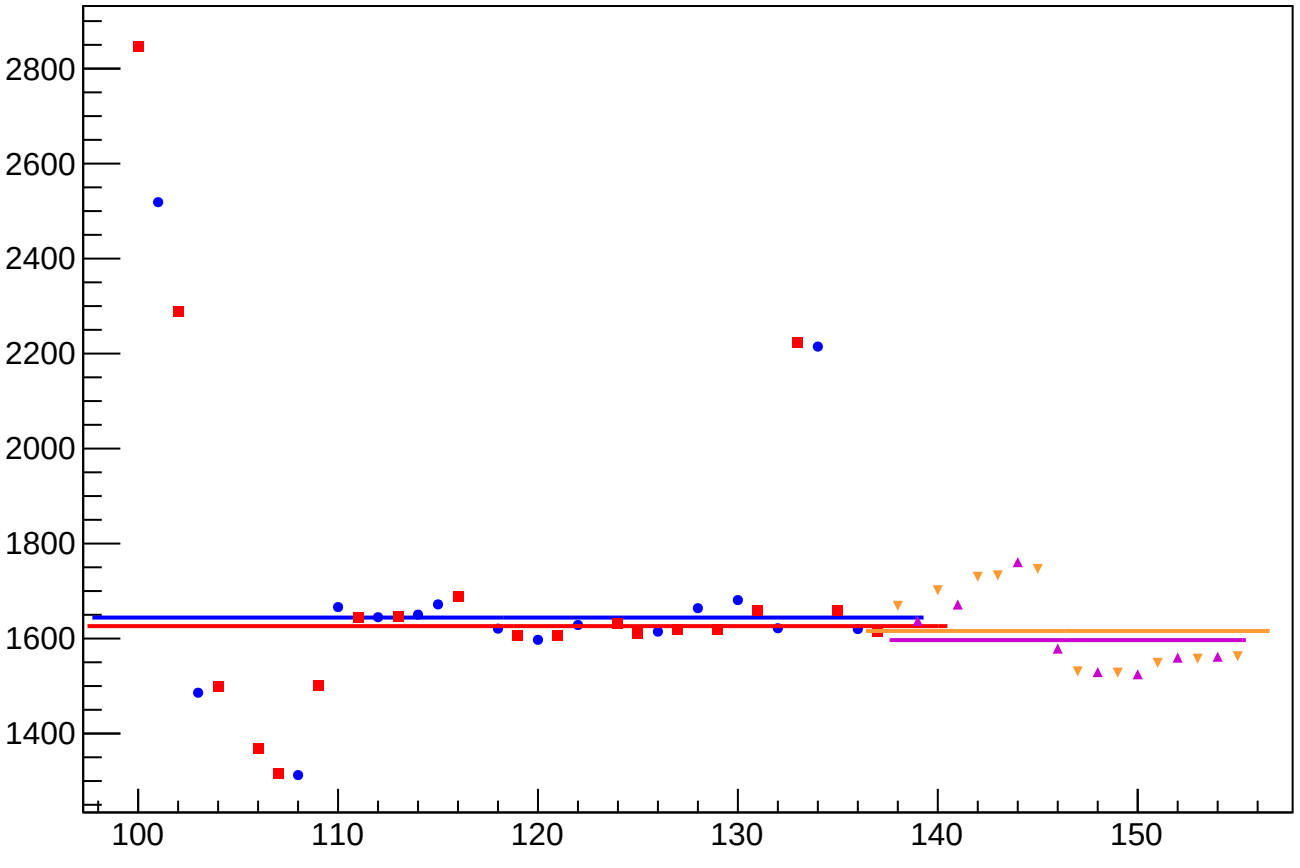
Left: 1992.663+/-417.133 χ^2/NDF: 16.5/17

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3199.163+/-431.251 χ^2/NDF:19.6/23

Out: 1722.983+/-418.527 χ^2/NDF:22.5/28

All: 2438.974+/-300.341 χ^2/NDF: 48.2/52



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1615.937+/-0.408 χ^2/NDF:44248.0/9

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1596.713+/-0.427 χ^2/NDF:29581.6/7

Left: 1606.746+/-0.295 χ^2/NDF: 74889.6/17

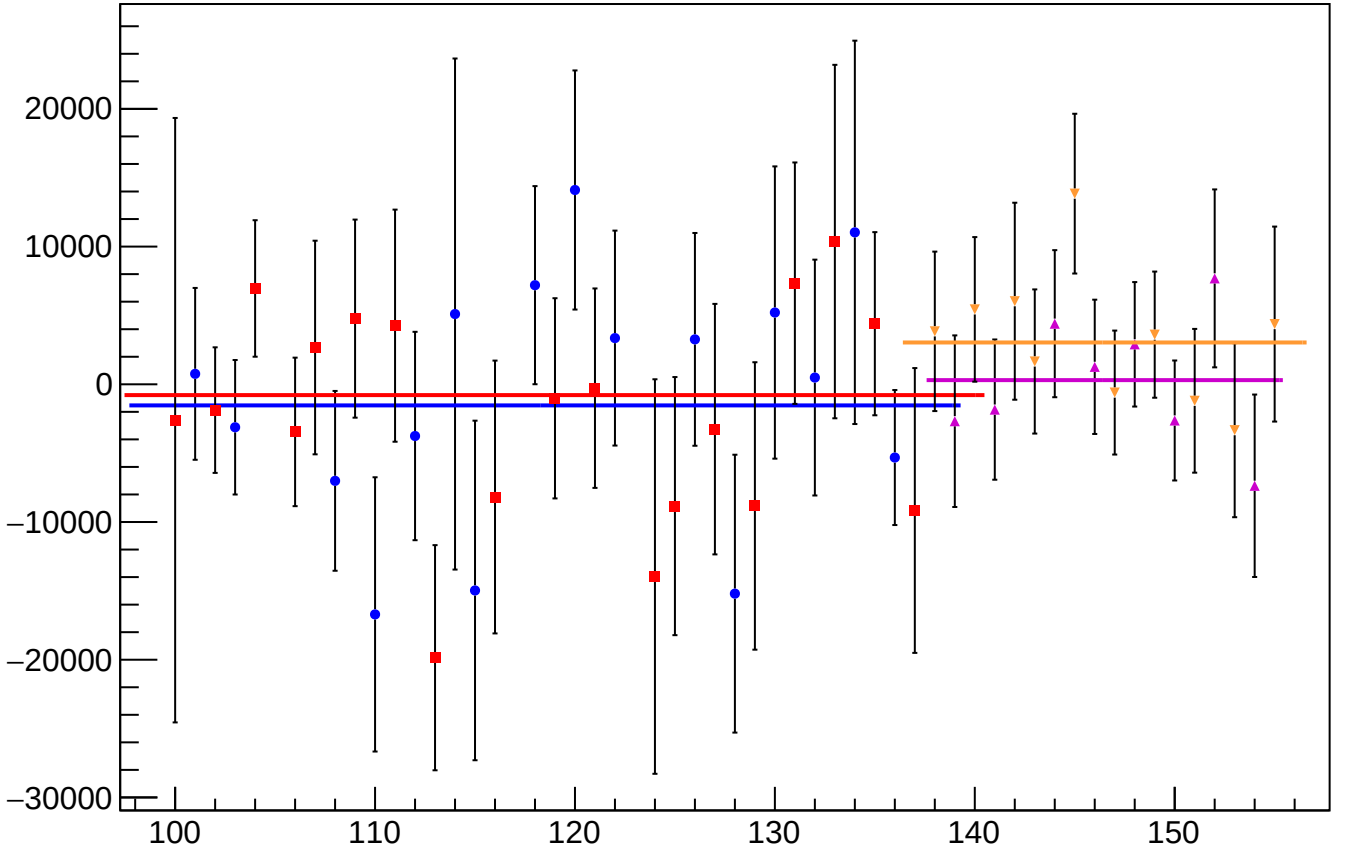
Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1619.932+/-0.305 χ^2/NDF:310458.8/23

Out: 1620.801+/-0.296 χ^2/NDF:282185.7/28

All: 1620.379+/-0.212 χ^2/NDF: 592648.7/52

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 3037.173+/-1739.193 χ^2/NDF:6.3/9

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 303.359+/-1857.362 χ^2/NDF:4.5/7

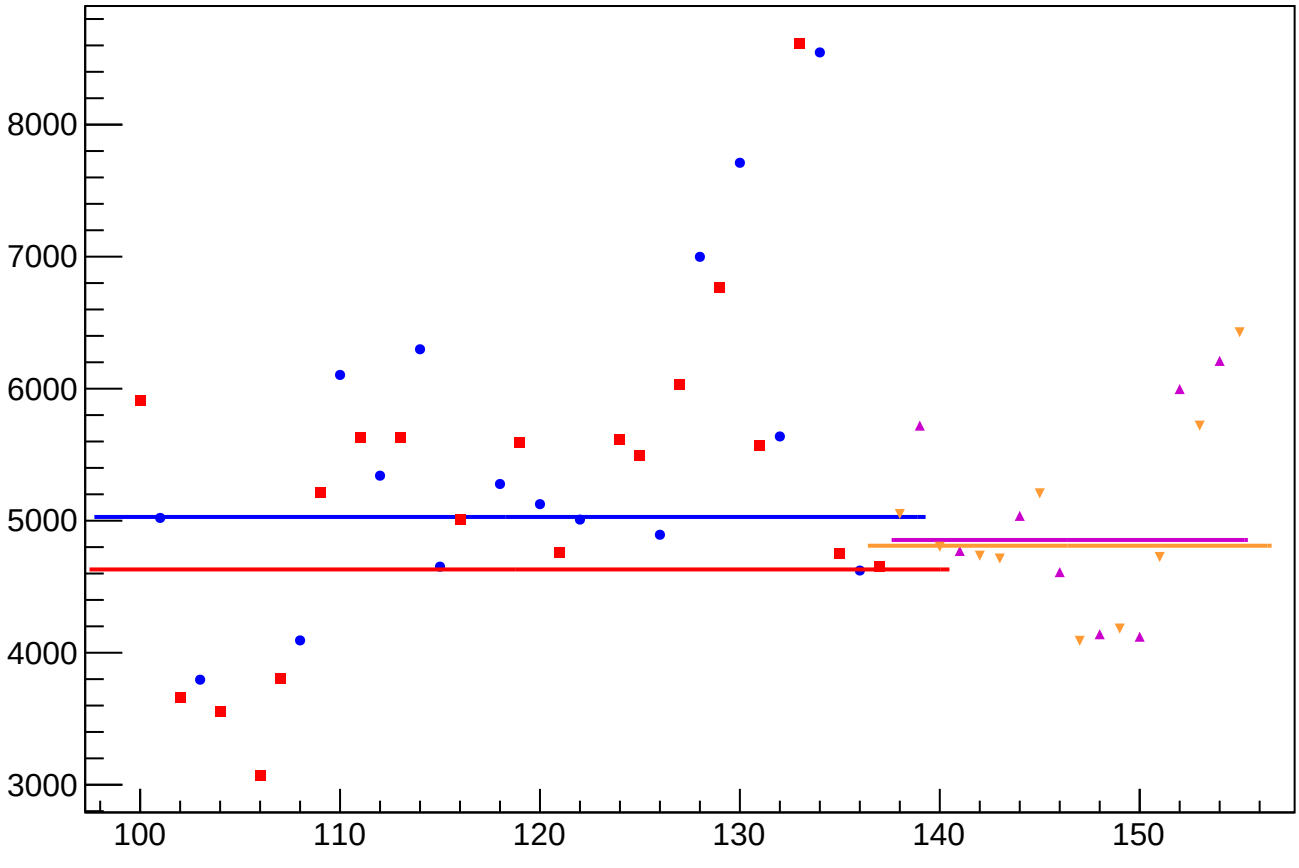
Left: 1759.992+/-1269.517 χ^2/NDF: 11.9/17

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -586.913+/-1332.859 χ^2/NDF:18.8/23

Out: 1136.738+/-1233.096 χ^2/NDF:23.8/28

All: 341.826+/-905.147 χ^2/NDF: 43.5/52



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4810.656+/-1.230 χ^2/NDF:248654.9/9

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 4854.150+/-1.313 χ^2/NDF:299440.4/7

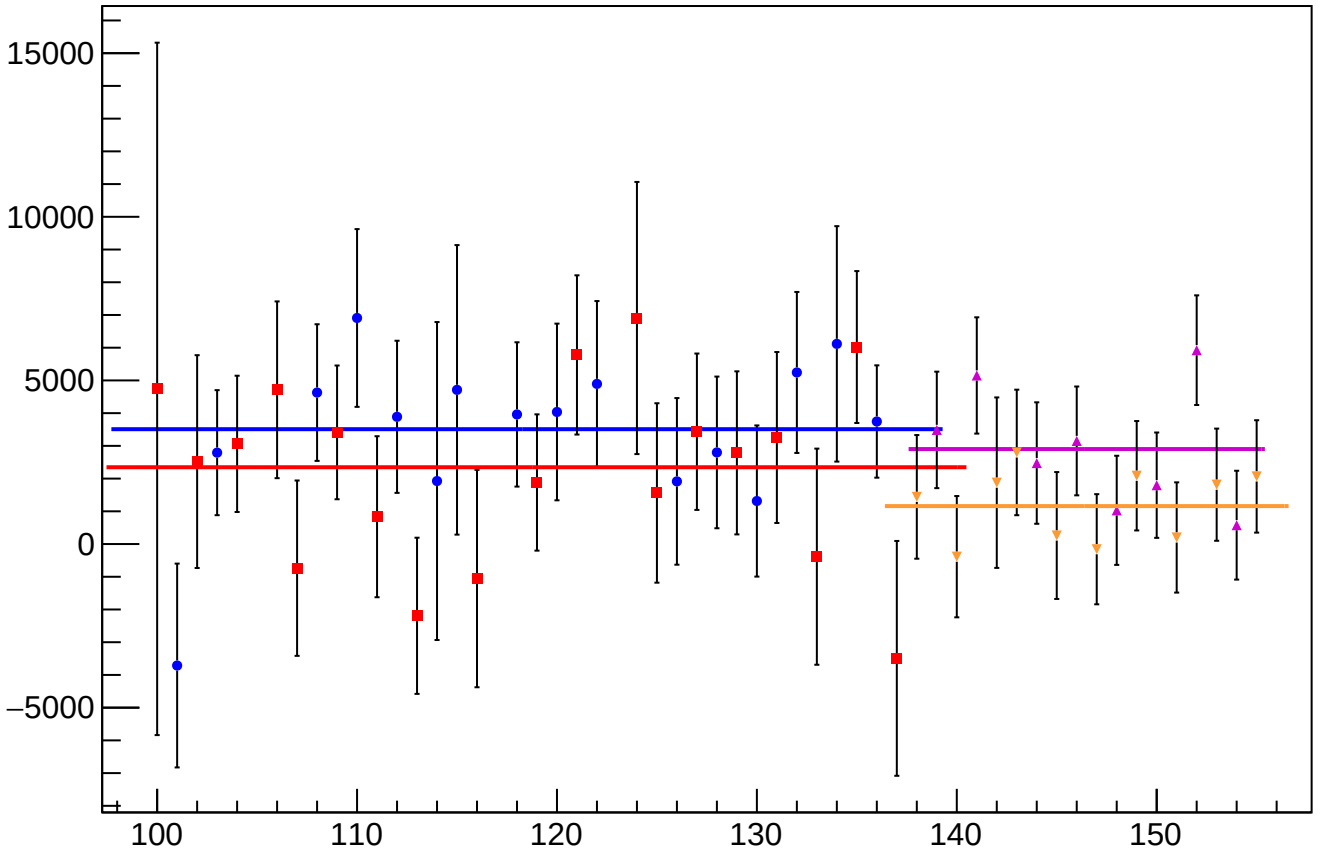
Left: 4830.975+/-0.898 χ^2/NDF: 548679.7/17

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 4938.692+/-0.942 χ^2/NDF:873452.7/23

Out: 4721.261+/-0.872 χ^2/NDF:1122794.8/28

All: 4821.536+/-0.640 χ^2/NDF: 2024925.3/52



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1159.364+/-577.417 χ^2/NDF:3.4/9

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 2902.217+/-603.262 χ^2/NDF:8.7/7

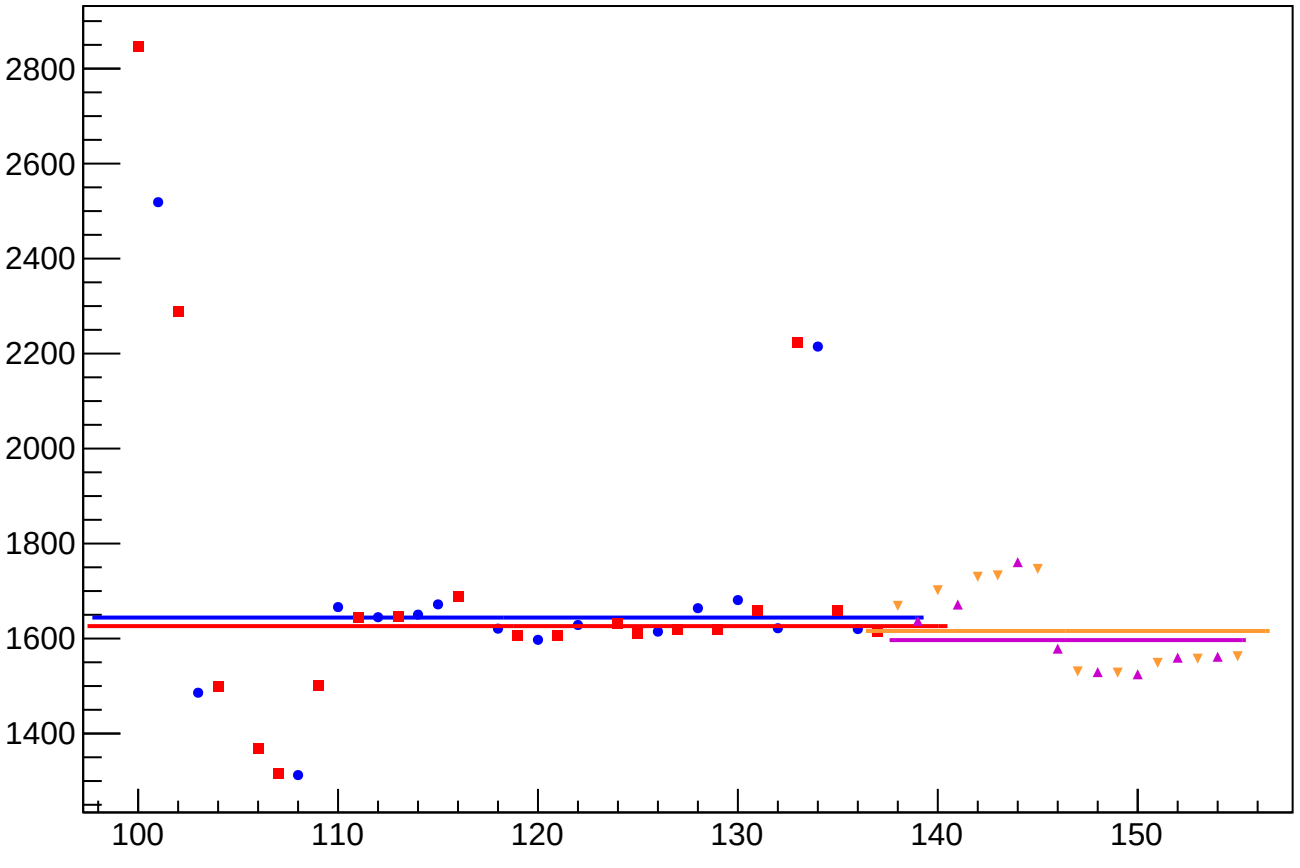
Left: 1992.658+/-417.133 χ^2/NDF: 16.5/17

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3199.163+/-431.251 χ^2/NDF:19.6/23

Out: 1722.984+/-418.527 χ^2/NDF:22.5/28

All: 2438.975+/-300.341 χ^2/NDF: 48.2/52



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1615.938+/-0.408 χ^2/NDF:44248.1/9

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1596.714+/-0.427 χ^2/NDF:29581.6/7

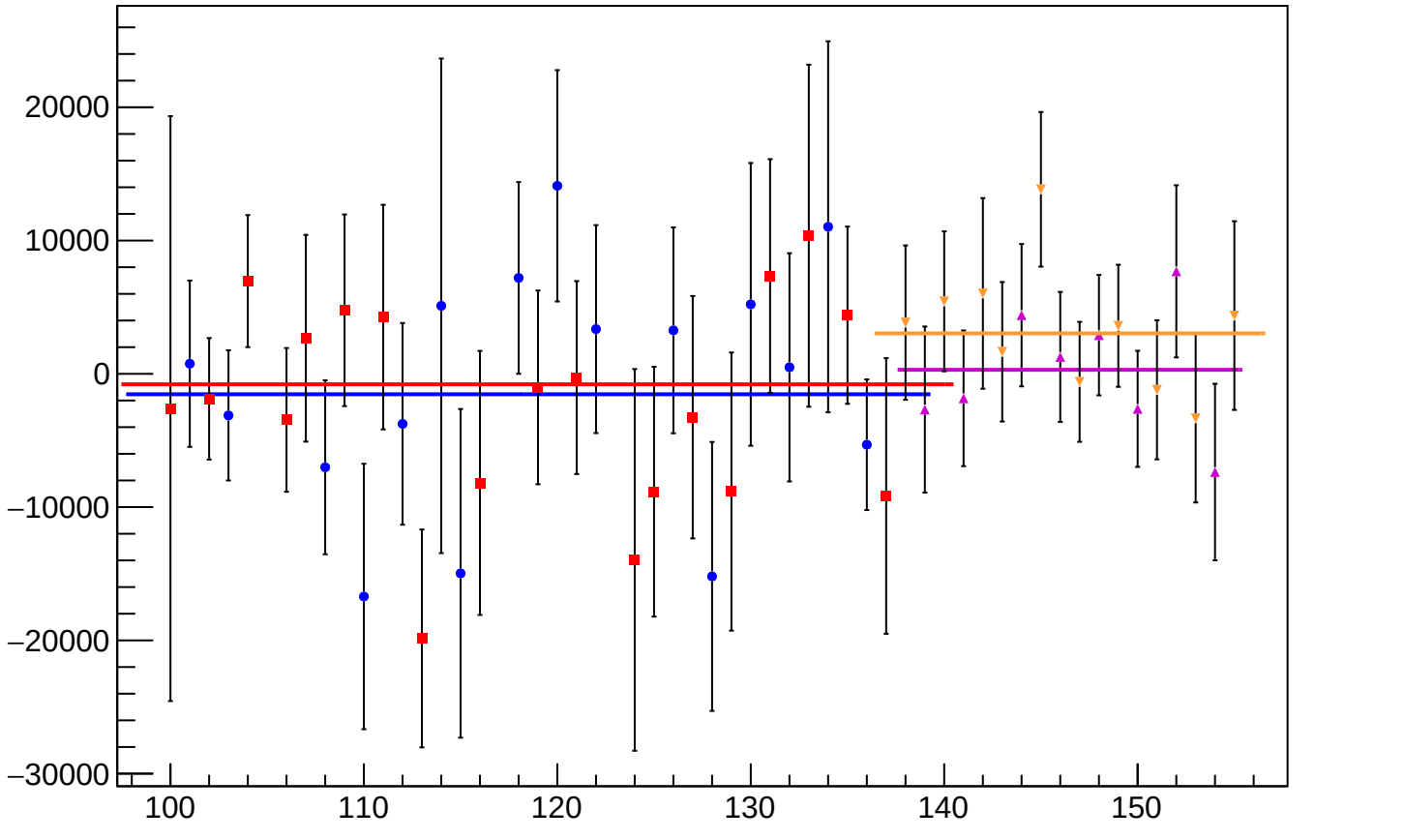
Left: 1606.747+/-0.295 χ^2/NDF: 74889.7/17

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1619.932+/-0.305 χ^2/NDF:310458.5/23

Out: 1620.801+/-0.296 χ^2/NDF:282185.5/28

All: 1620.380+/-0.212 χ^2/NDF: 592648.2/52



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 3037.170+/-1739.196 χ^2/NDF:6.3/9

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 303.356+/-1857.365 χ^2/NDF:4.5/7

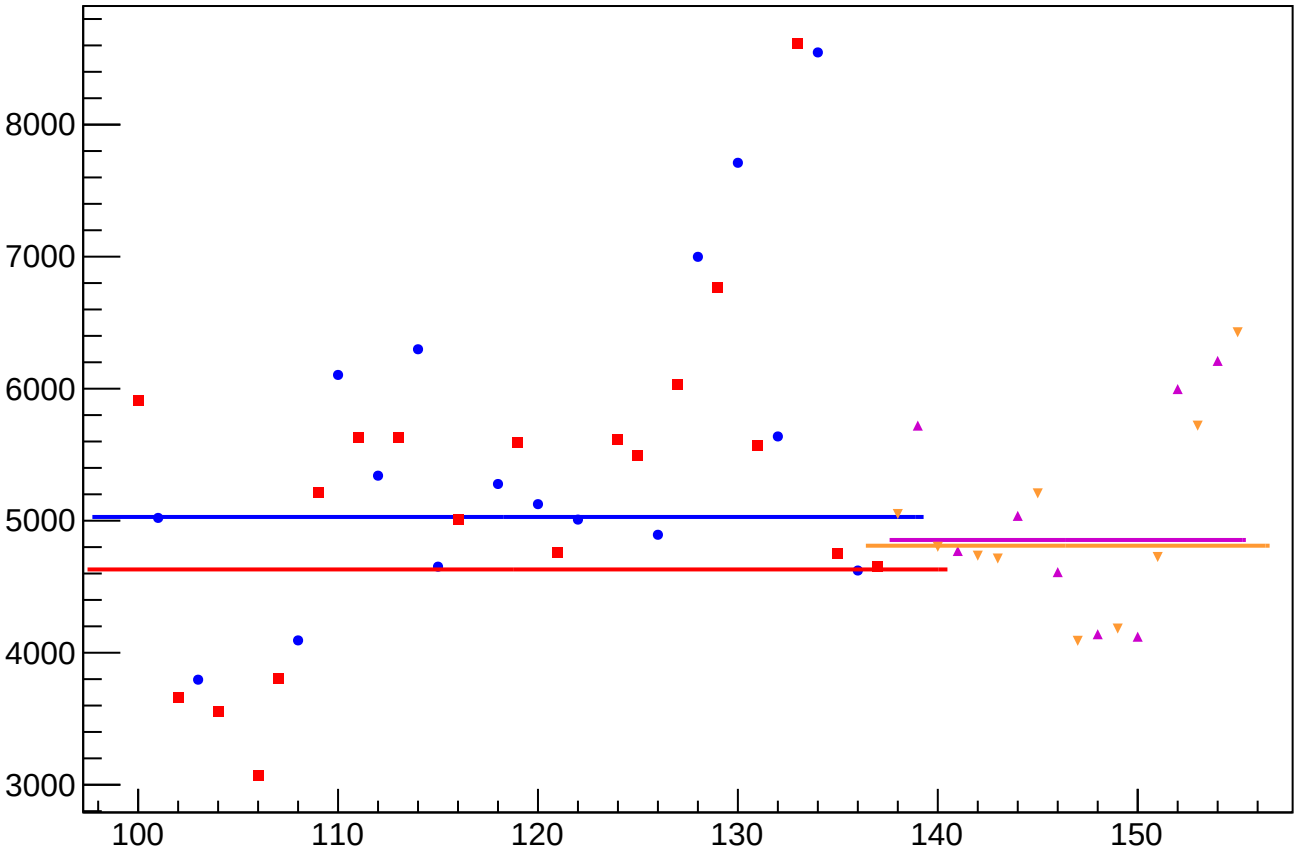
Left: 1759.989+/-1269.518 χ^2/NDF: 11.9/17

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -586.910+/-1332.859 χ^2/NDF:18.8/23

Out: 1136.730+/-1233.096 χ^2/NDF:23.8/28

All: 341.823+/-905.147 χ^2/NDF: 43.5/52



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4810.663+/-1.230 χ^2/NDF:248654.6/9

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 4854.157+/-1.313 χ^2/NDF:299439.5/7

Left: 4830.982+/-0.898 χ^2/NDF: 548678.4/17

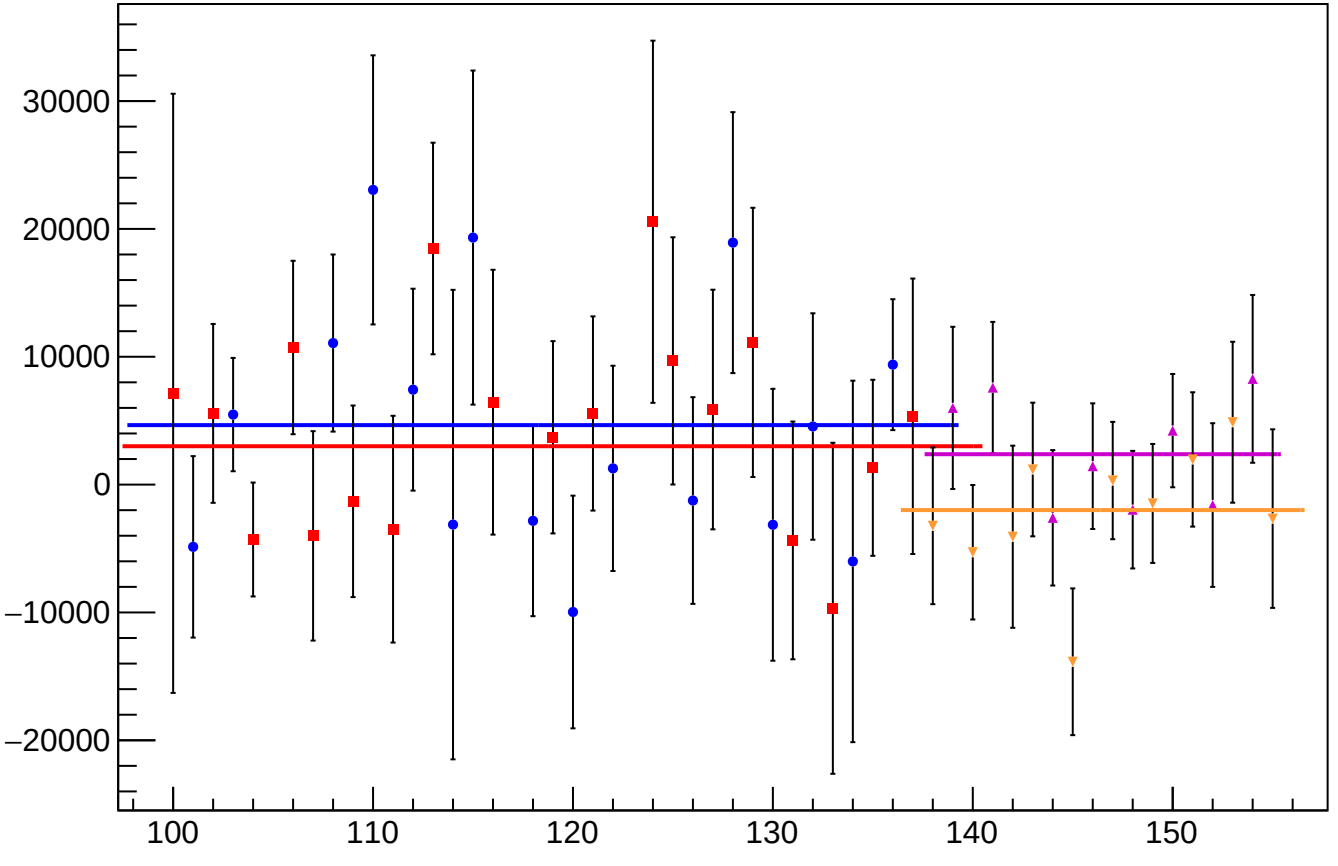
Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 4938.692+/-0.942 χ^2/NDF:873444.2/23

Out: 4721.262+/-0.872 χ^2/NDF:1122790.1/28

All: 4821.536+/-0.640 χ^2/NDF: 2024912.3/52

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -1993.234+/-1754.095 χ^2/NDF:7.2/9

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 2377.678+/-1871.293 χ^2/NDF:4.5/7

Left: 51.071+/-1279.760 χ^2/NDF: 14.6/17

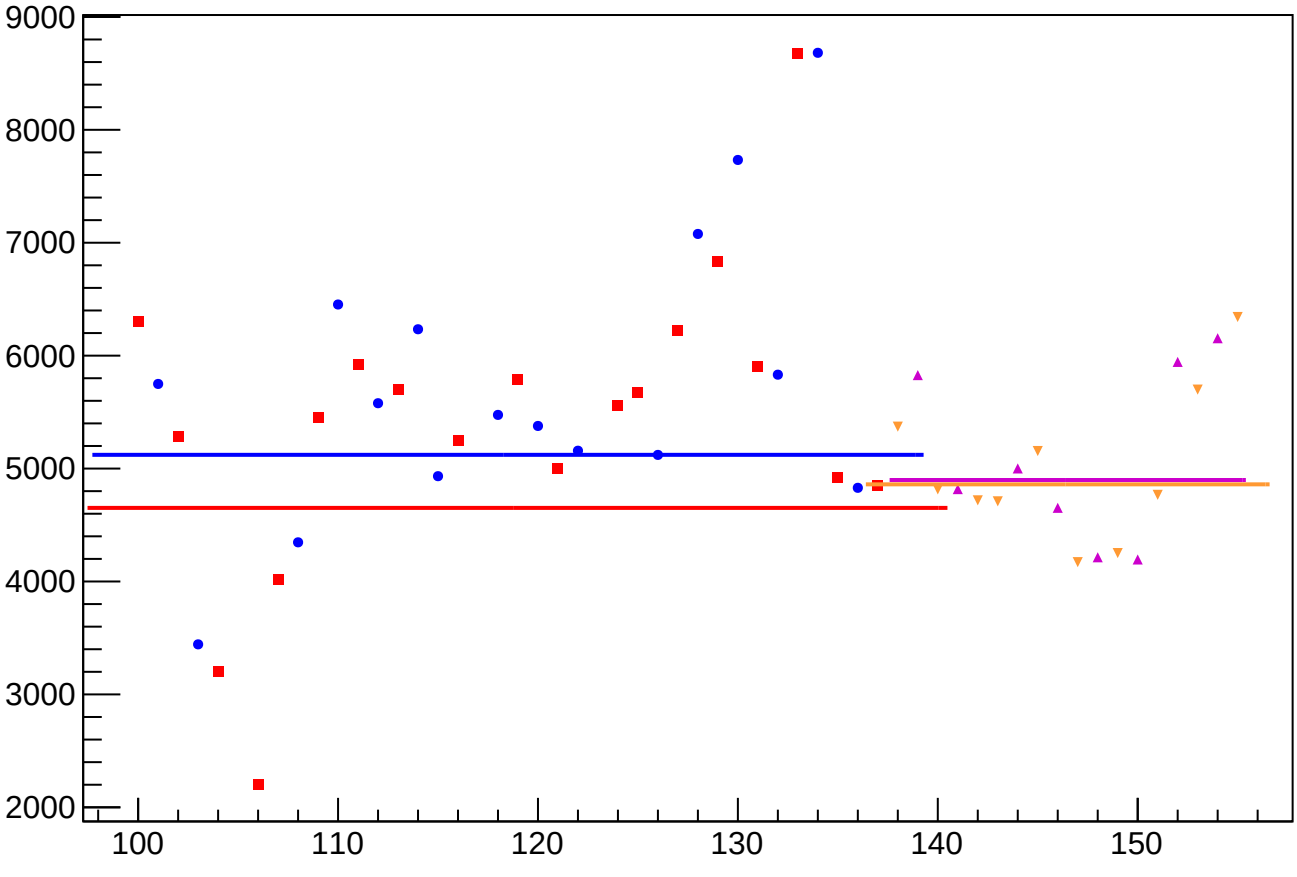
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3463.623+/-1352.982 χ^2/NDF:20.8/23

Out: 327.328+/-1283.430 χ^2/NDF:24.8/28

All: 1812.793+/-931.140 χ^2/NDF: 48.4/52

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4860.267+/-1.240 χ^2/NDF:227271.5/9

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 4898.724+/-1.323 χ^2/NDF:270428.2/7

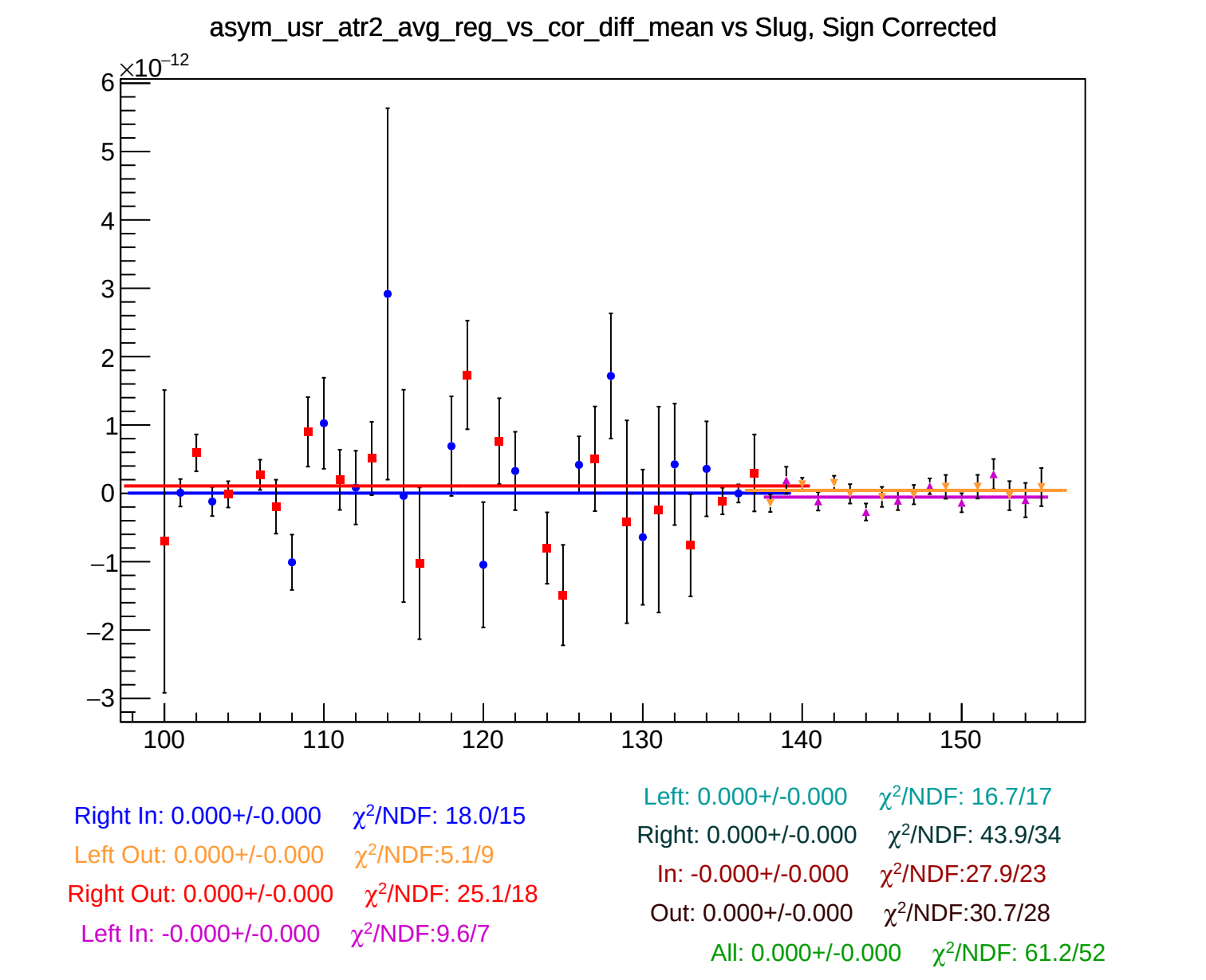
Left: 4878.254+/-0.905 χ^2/NDF: 498149.3/17

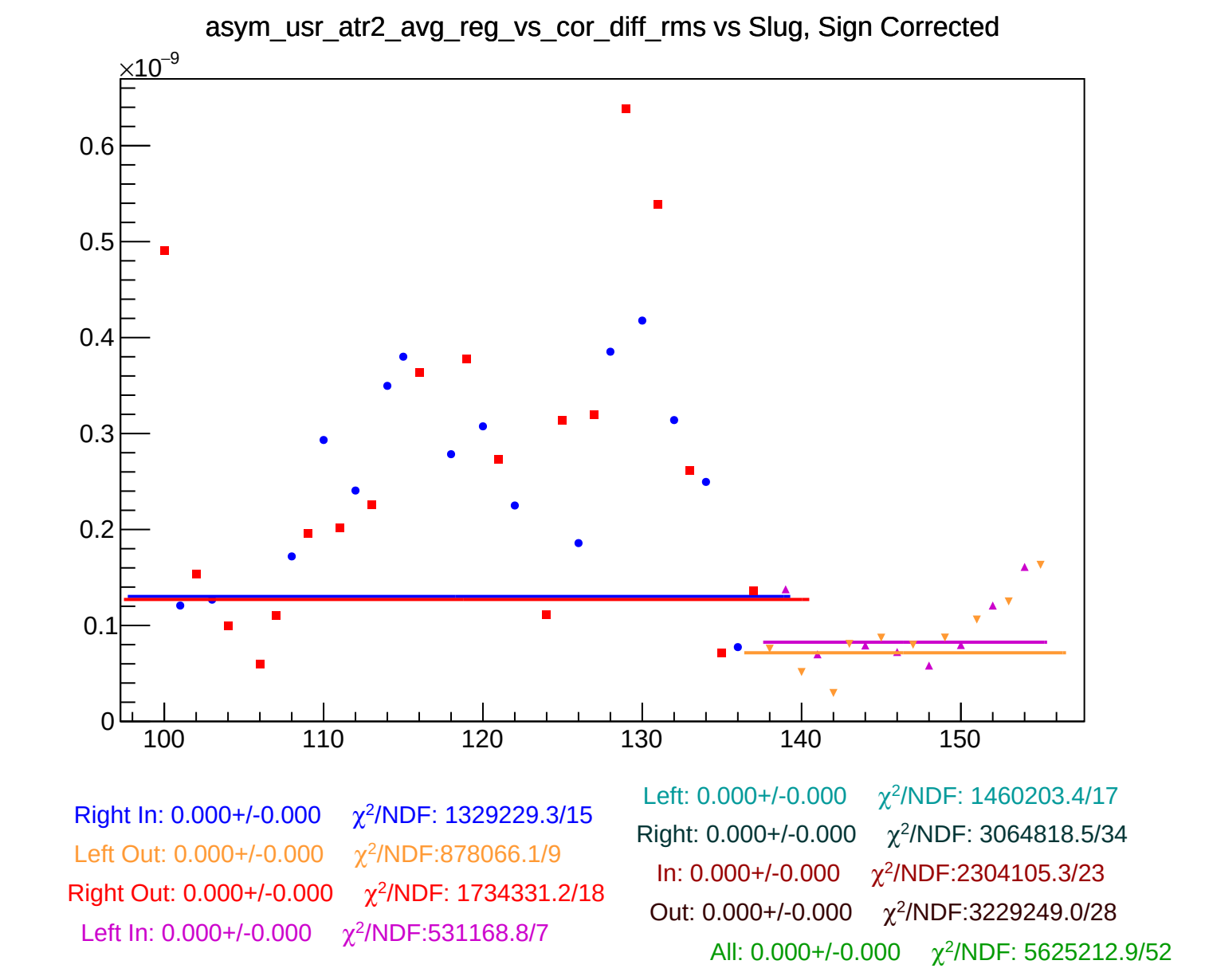
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

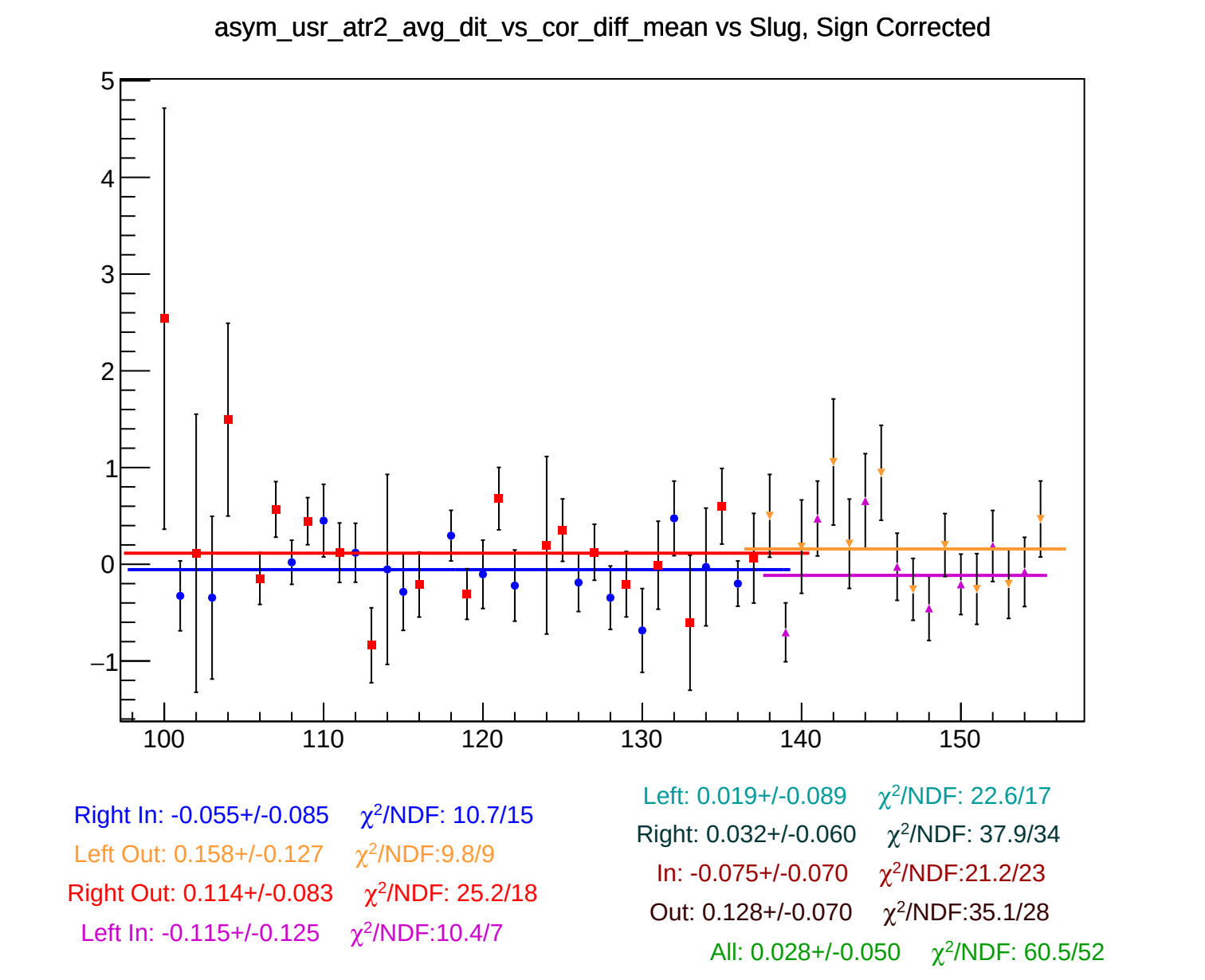
In: 5005.111+/-0.957 χ^2/NDF:1004343.4/23

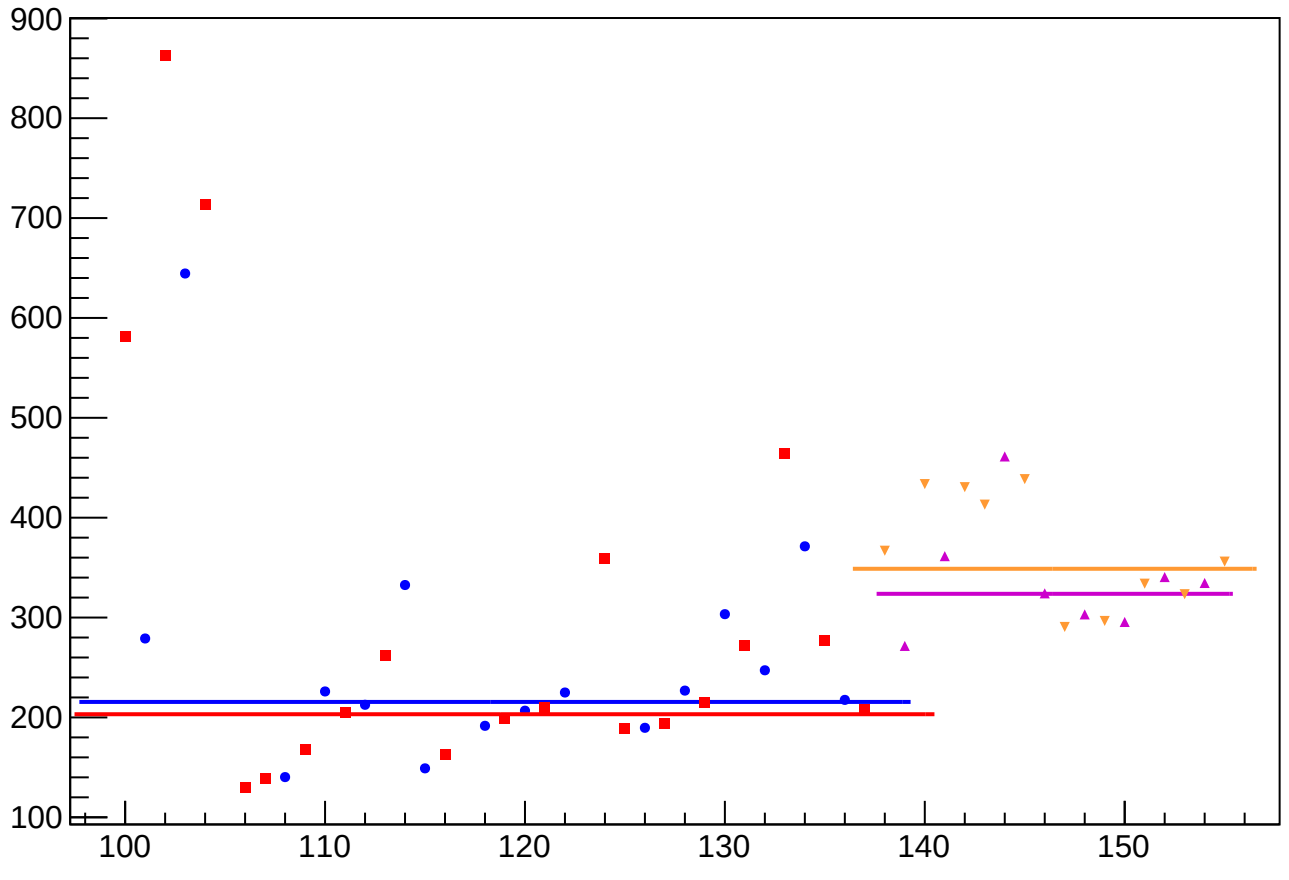
Out: 4759.307+/-0.891 χ^2/NDF:1585825.1/28

All: 4873.460+/-0.652 χ^2/NDF: 2625523.8/52


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:5.1/9
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/18
Left In: -0.000+/-0.000 χ²/NDF:9.6/7
Left: 0.000+/-0.000 χ²/NDF: 16.7/17
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:27.9/23
Out: 0.000+/-0.000 χ²/NDF:30.7/28
All: 0.000+/-0.000 χ²/NDF: 61.2/52


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:878066.1/9
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:531168.8/7
Left: 0.000+/-0.000 χ²/NDF: 1460203.4/17
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2304105.3/23
Out: 0.000+/-0.000 χ²/NDF:3229249.0/28
All: 0.000+/-0.000 χ²/NDF: 5625212.9/52


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.158+/-0.127 χ²/NDF:9.8/9
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.115+/-0.125 χ²/NDF:10.4/7
Left: 0.019+/-0.089 χ²/NDF: 22.6/17
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.075+/-0.070 χ²/NDF:21.2/23
Out: 0.128+/-0.070 χ²/NDF:35.1/28
All: 0.028+/-0.050 χ²/NDF: 60.5/52



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 348.839+/-0.090 χ^2/NDF:334272.1/9

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 323.766+/-0.088 χ^2/NDF:265585.9/7

Left: 336.055+/-0.063 χ^2/NDF: 639585.4/17

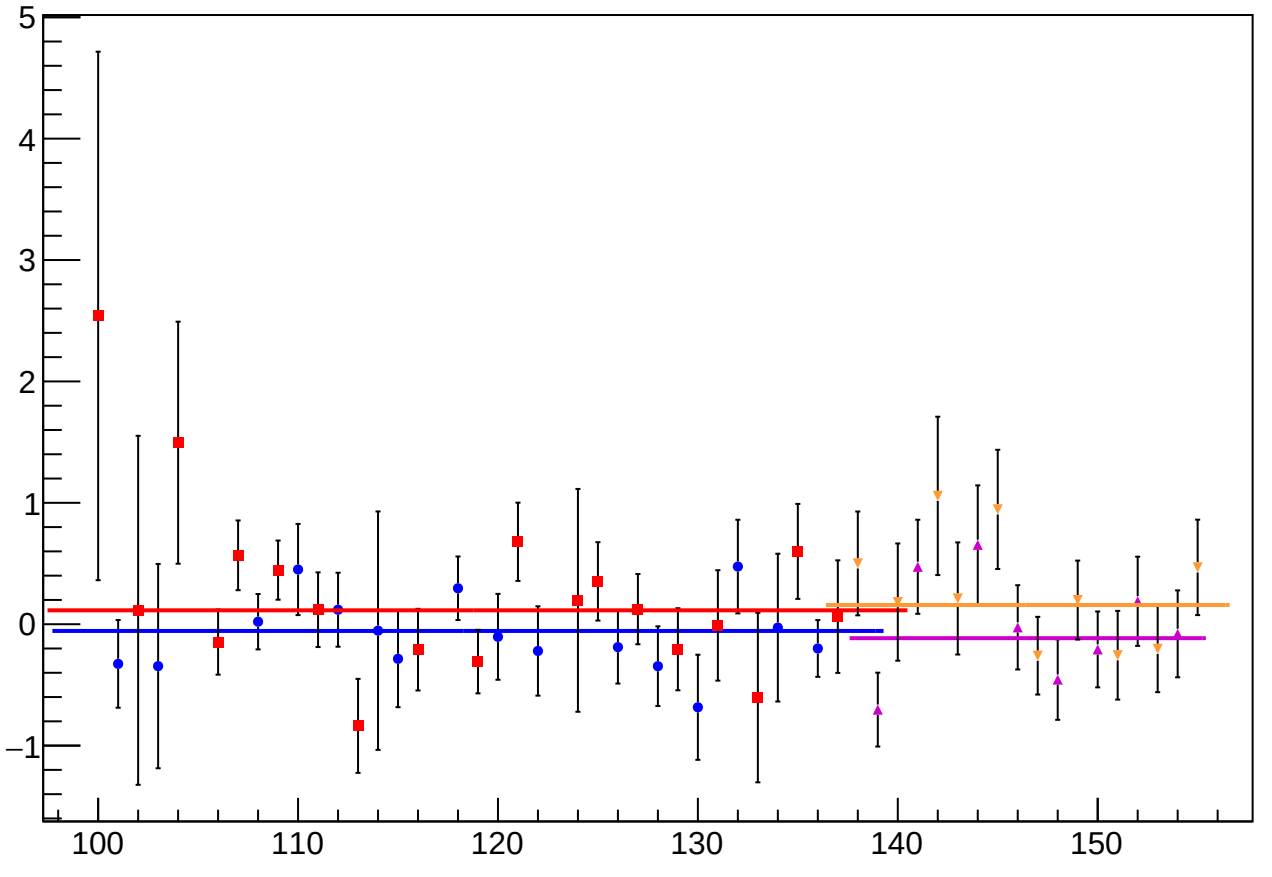
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 250.176+/-0.050 χ^2/NDF:2441398.9/23

Out: 246.936+/-0.049 χ^2/NDF:4009093.9/28

All: 248.536+/-0.035 χ^2/NDF: 6452631.5/52

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.158+/-0.127 χ^2/NDF:9.8/9

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.115+/-0.125 χ^2/NDF:10.4/7

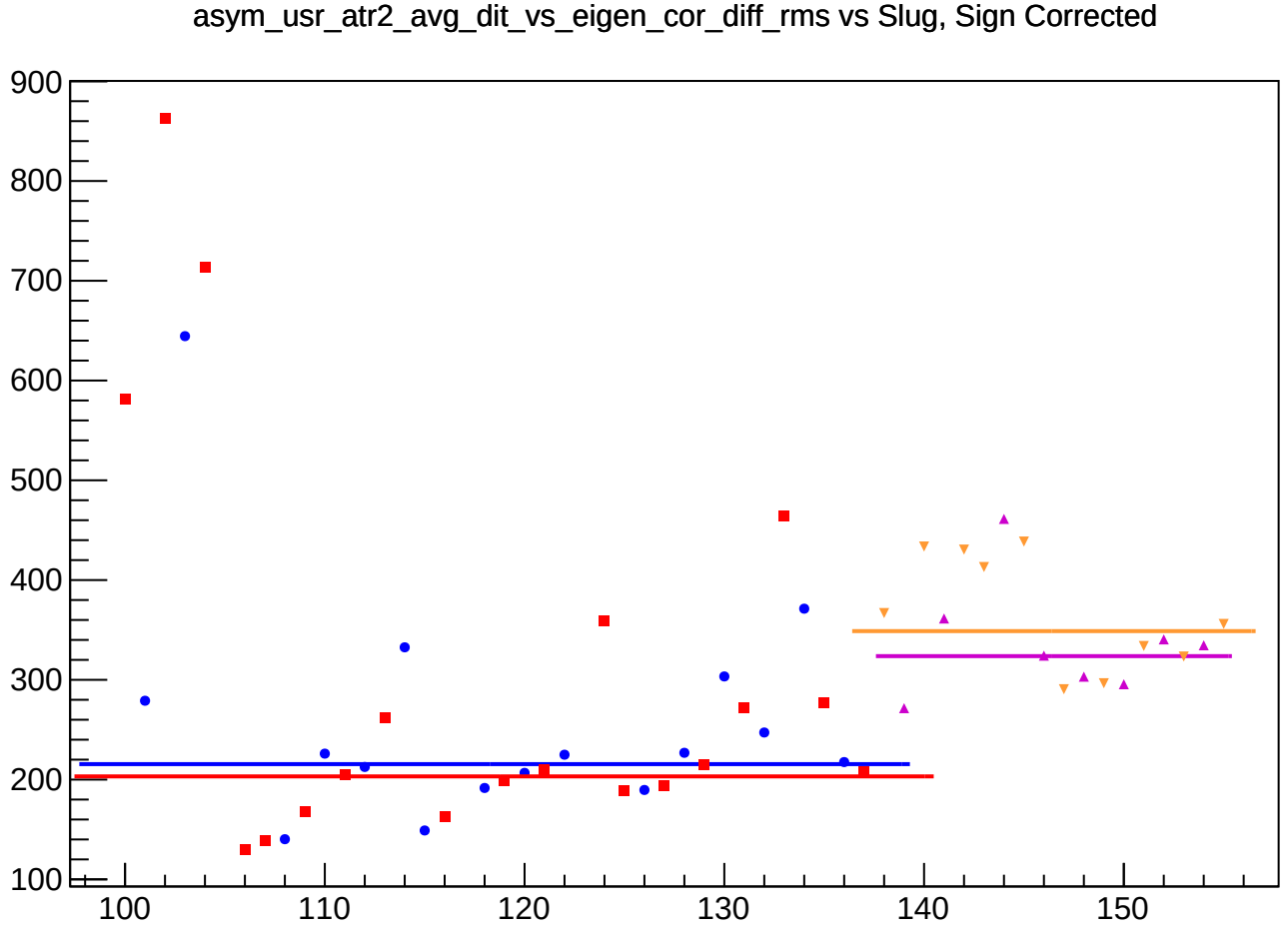
Left: 0.019+/-0.089 χ^2/NDF: 22.6/17

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.075+/-0.070 χ^2/NDF:21.2/23

Out: 0.128+/-0.070 χ^2/NDF:35.1/28

All: 0.028+/-0.050 χ^2/NDF: 60.5/52



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 348.839+/-0.090 χ^2/NDF:334272.1/9

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 323.766+/-0.088 χ^2/NDF:265585.9/7

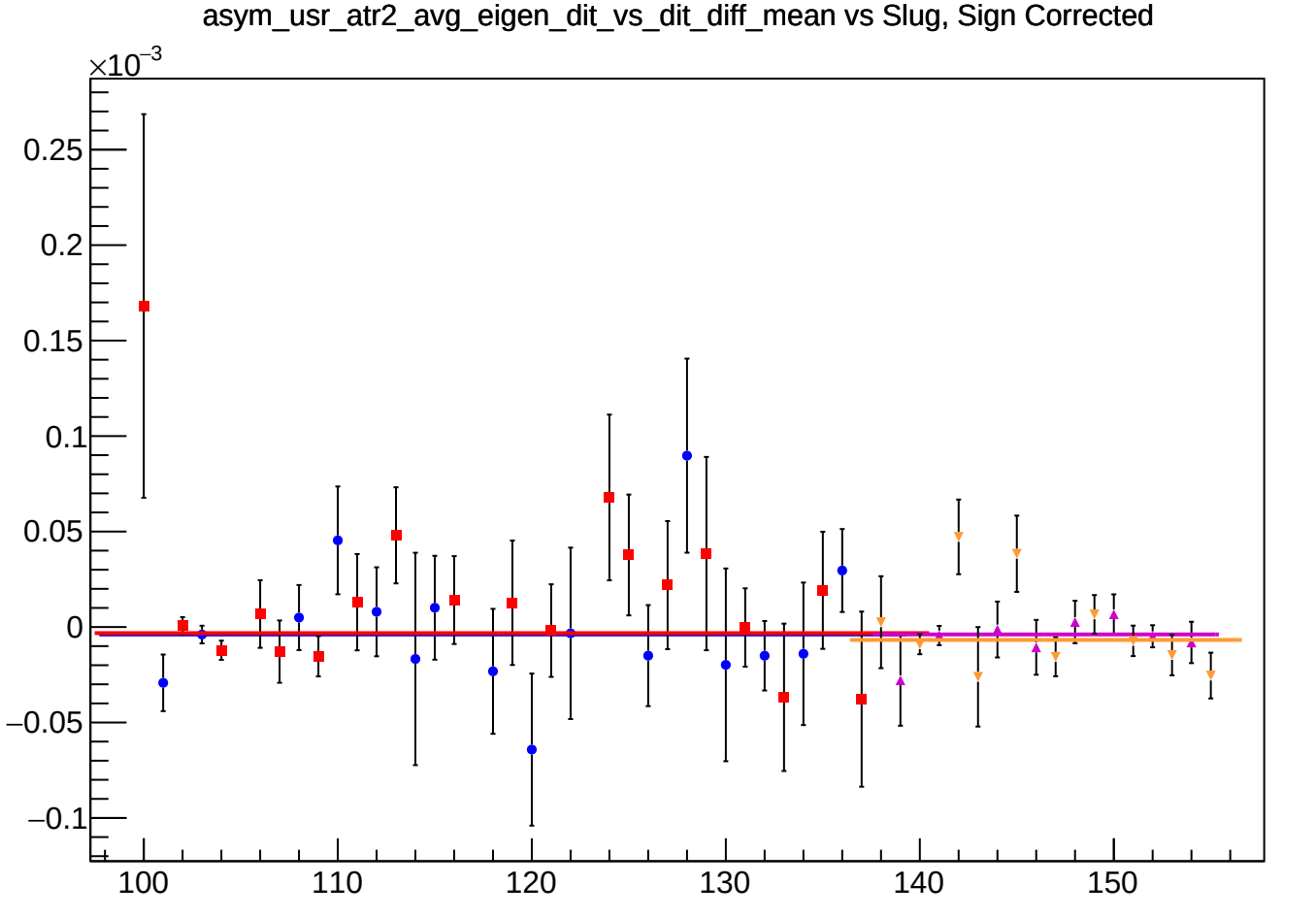
Left: 336.055+/-0.063 χ^2/NDF: 639585.4/17

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 250.176+/-0.050 χ^2/NDF:2441398.9/23

Out: 246.936+/-0.049 χ^2/NDF:4009093.9/28

All: 248.536+/-0.035 χ^2/NDF: 6452631.5/52


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
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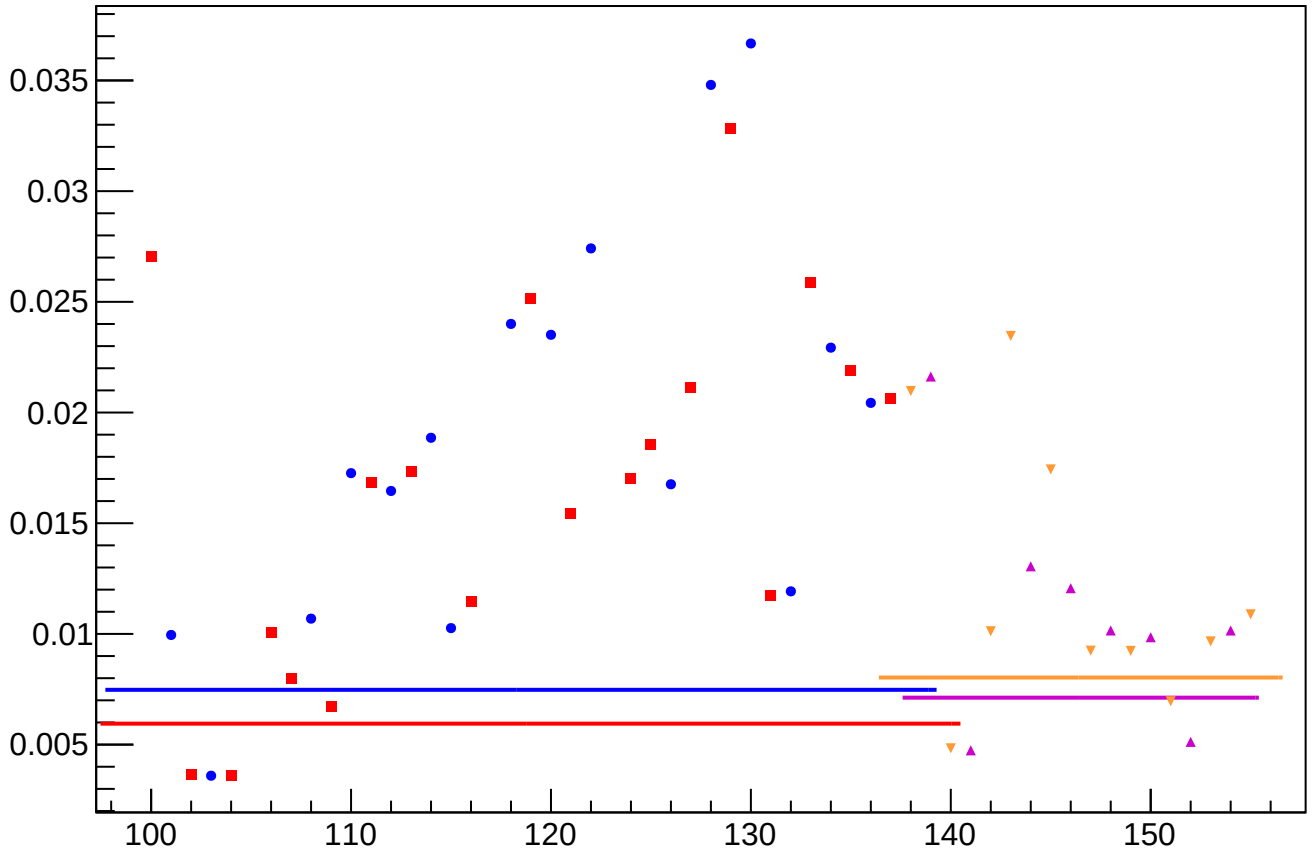
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:19.1/9
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:2.8/7
Left: -0.000+/-0.000 χ²/NDF: 22.3/17
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:18.8/23
Out: -0.000+/-0.000 χ²/NDF:41.4/28
All: -0.000+/-0.000 χ²/NDF: 60.3/52



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2735315.9/9

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:2435401.6/7

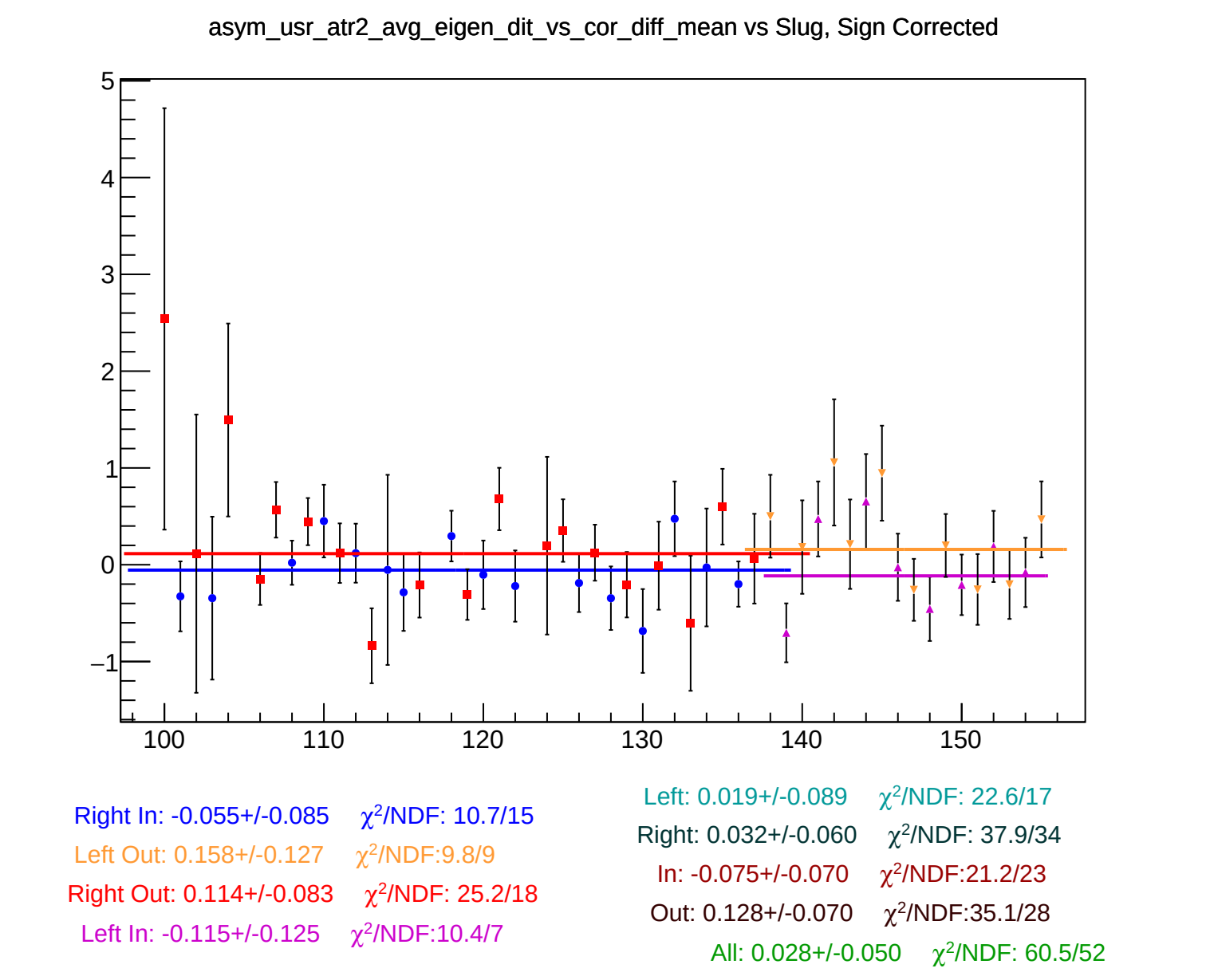
Left: 0.008+/-0.000 χ^2/NDF: 5253771.9/17

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.007+/-0.000 χ^2/NDF:8522174.0/23

Out: 0.007+/-0.000 χ^2/NDF:9128828.8/28

All: 0.007+/-0.000 χ^2/NDF: 17680239.0/52


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
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−1
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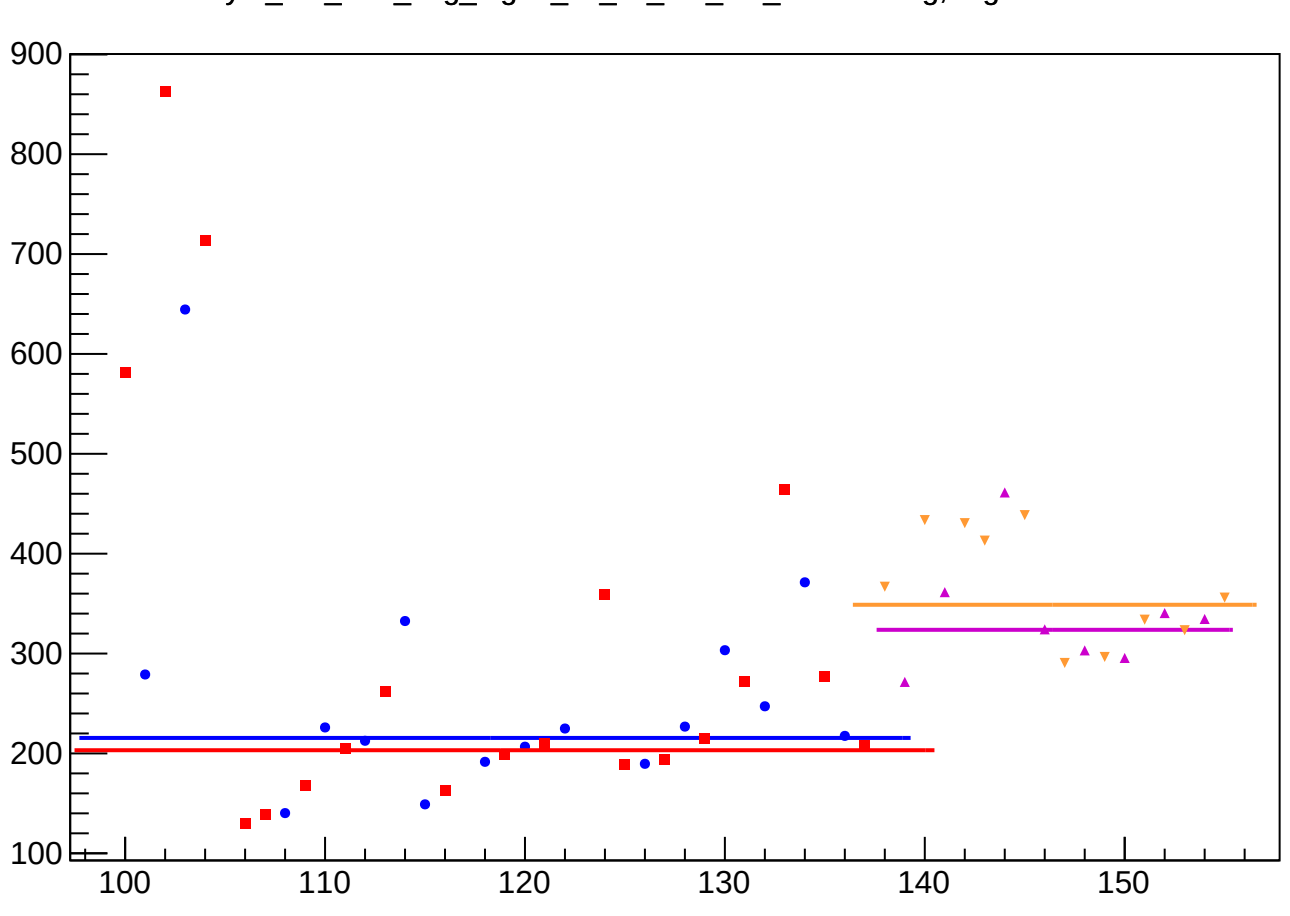
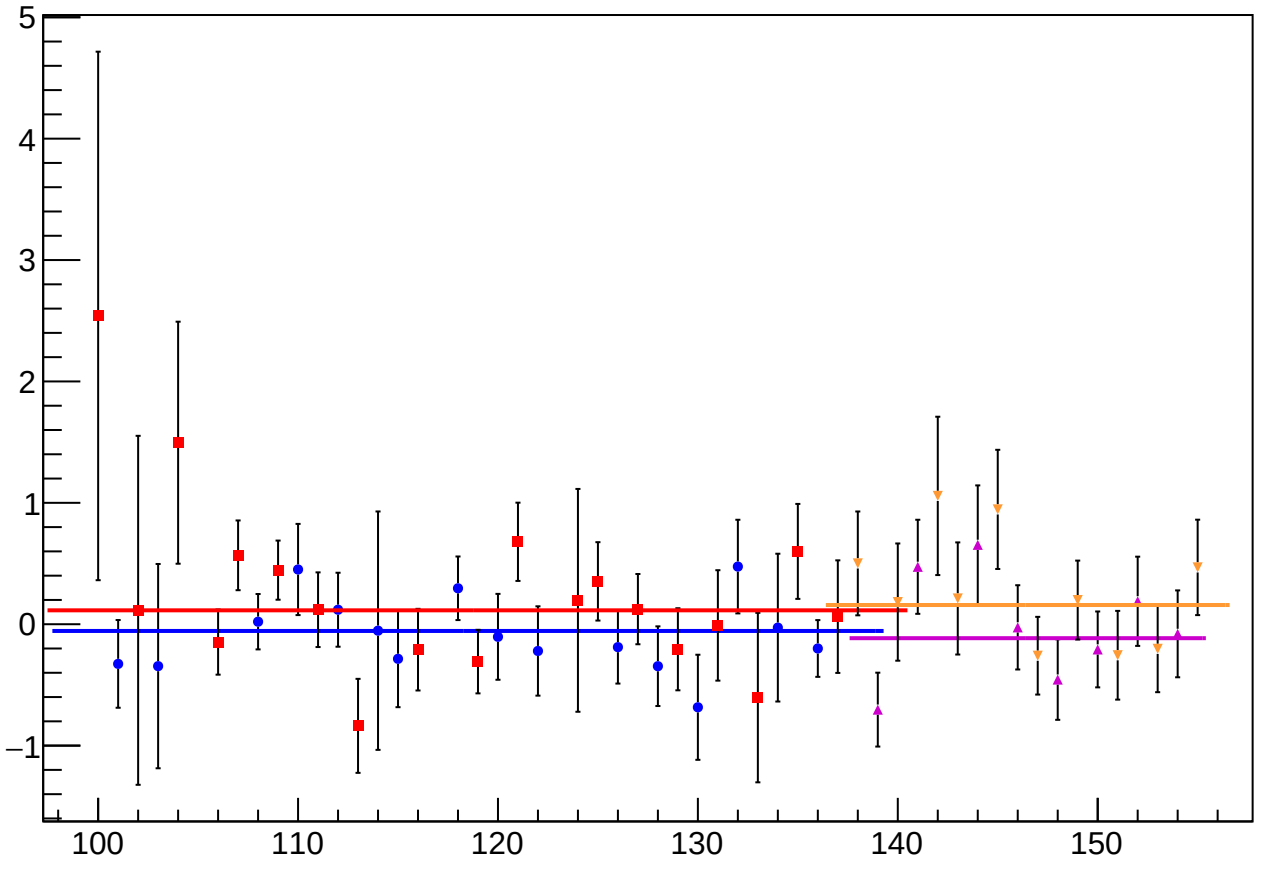
110
120
130
140
150
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.158+/-0.127 χ²/NDF:9.8/9
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.115+/-0.125 χ²/NDF:10.4/7
Left: 0.019+/-0.089 χ²/NDF: 22.6/17
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.075+/-0.070 χ²/NDF:21.2/23
Out: 0.128+/-0.070 χ²/NDF:35.1/28
All: 0.028+/-0.050 χ²/NDF: 60.5/52


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
900
800
700
600
500
400
300
200
100
100
110
120
130
140
150
Right In: 215.518+/-0.060 χ²/NDF: 1148700.9/15
Left Out: 348.844+/-0.090 χ²/NDF:334263.3/9
Right Out: 203.205+/-0.059 χ²/NDF: 1835535.5/18
Left In: 323.771+/-0.088 χ²/NDF:265571.2/7
Left: 336.059+/-0.063 χ²/NDF: 639561.0/17
Right: 209.197+/-0.042 χ²/NDF: 3005542.9/34
In: 250.175+/-0.050 χ²/NDF:2441452.0/23
Out: 246.935+/-0.049 χ²/NDF:4009196.3/28
All: 248.535+/-0.035 χ²/NDF: 6452787.8/52

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: 0.158+/-0.127 χ^2/NDF:9.8/9

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.115+/-0.125 χ^2/NDF:10.4/7

Left: 0.019+/-0.089 χ^2/NDF: 22.6/17

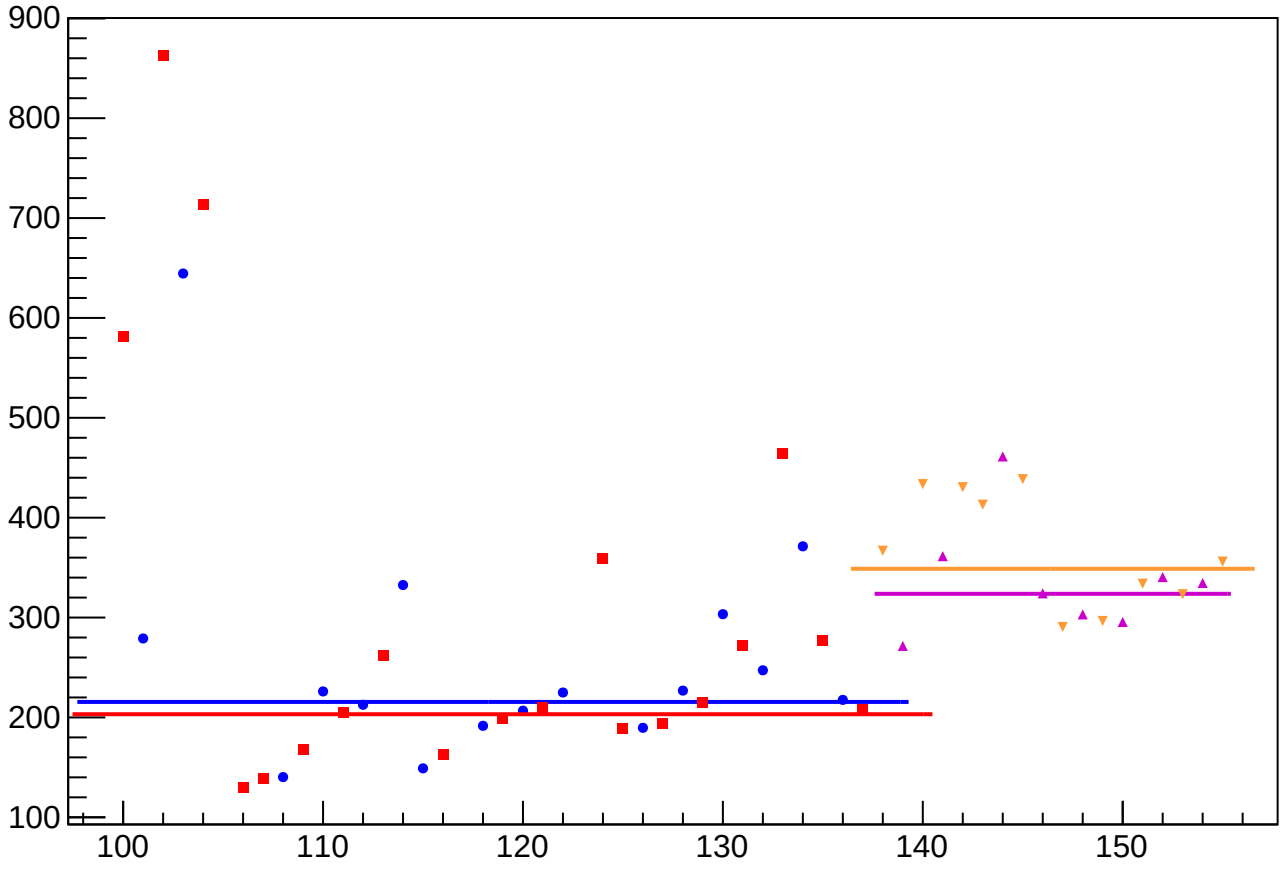
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.075+/-0.070 χ^2/NDF:21.2/23

Out: 0.128+/-0.070 χ^2/NDF:35.1/28

All: 0.028+/-0.050 χ^2/NDF: 60.5/52

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 348.844+/-0.090 χ^2/NDF:334263.3/9

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 323.771+/-0.088 χ^2/NDF:265571.2/7

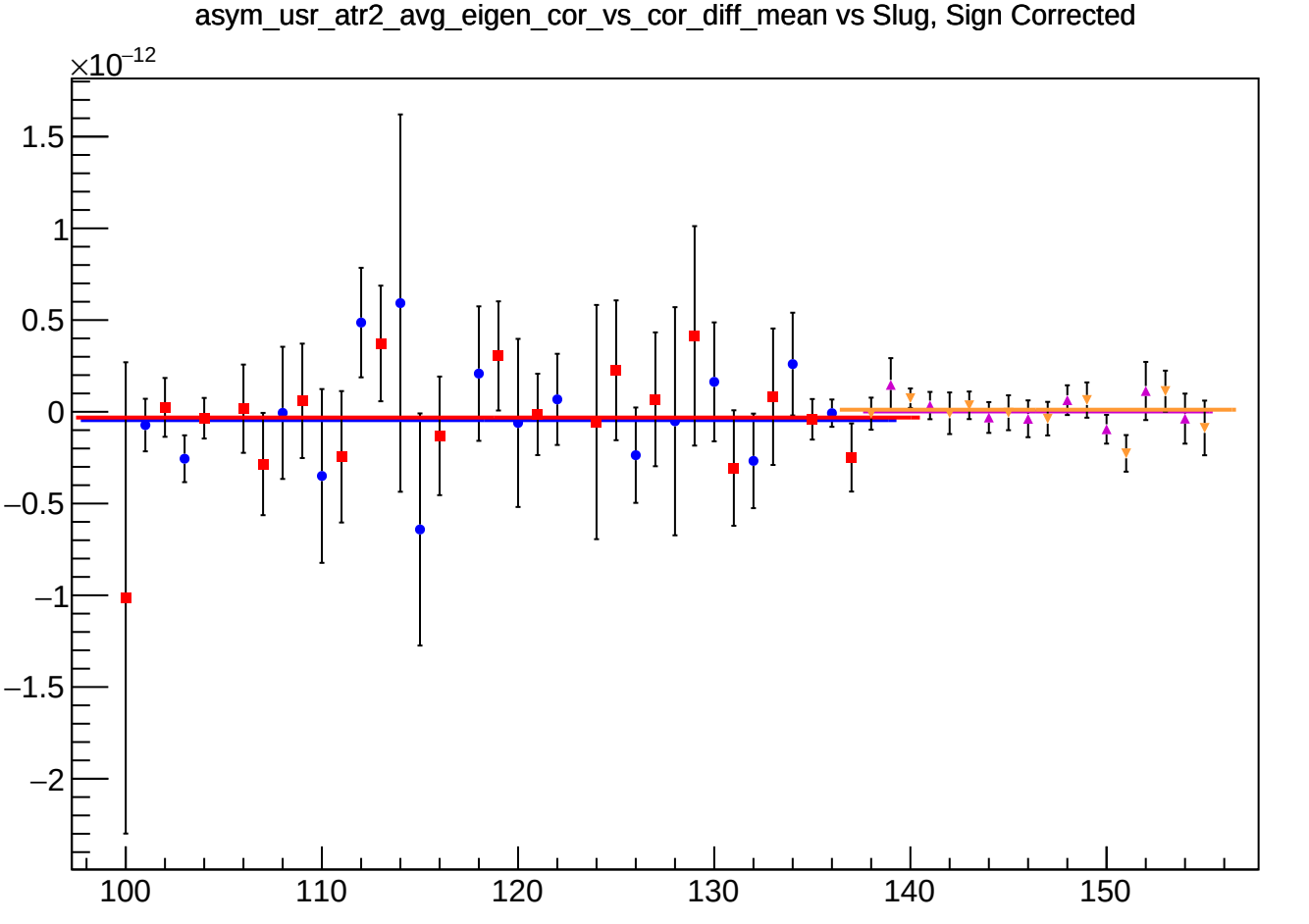
Left: 336.059+/-0.063 χ^2/NDF: 639561.0/17

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 250.175+/-0.050 χ^2/NDF:2441452.0/23

Out: 246.935+/-0.049 χ^2/NDF:4009196.3/28

All: 248.535+/-0.035 χ^2/NDF: 6452787.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.2/7

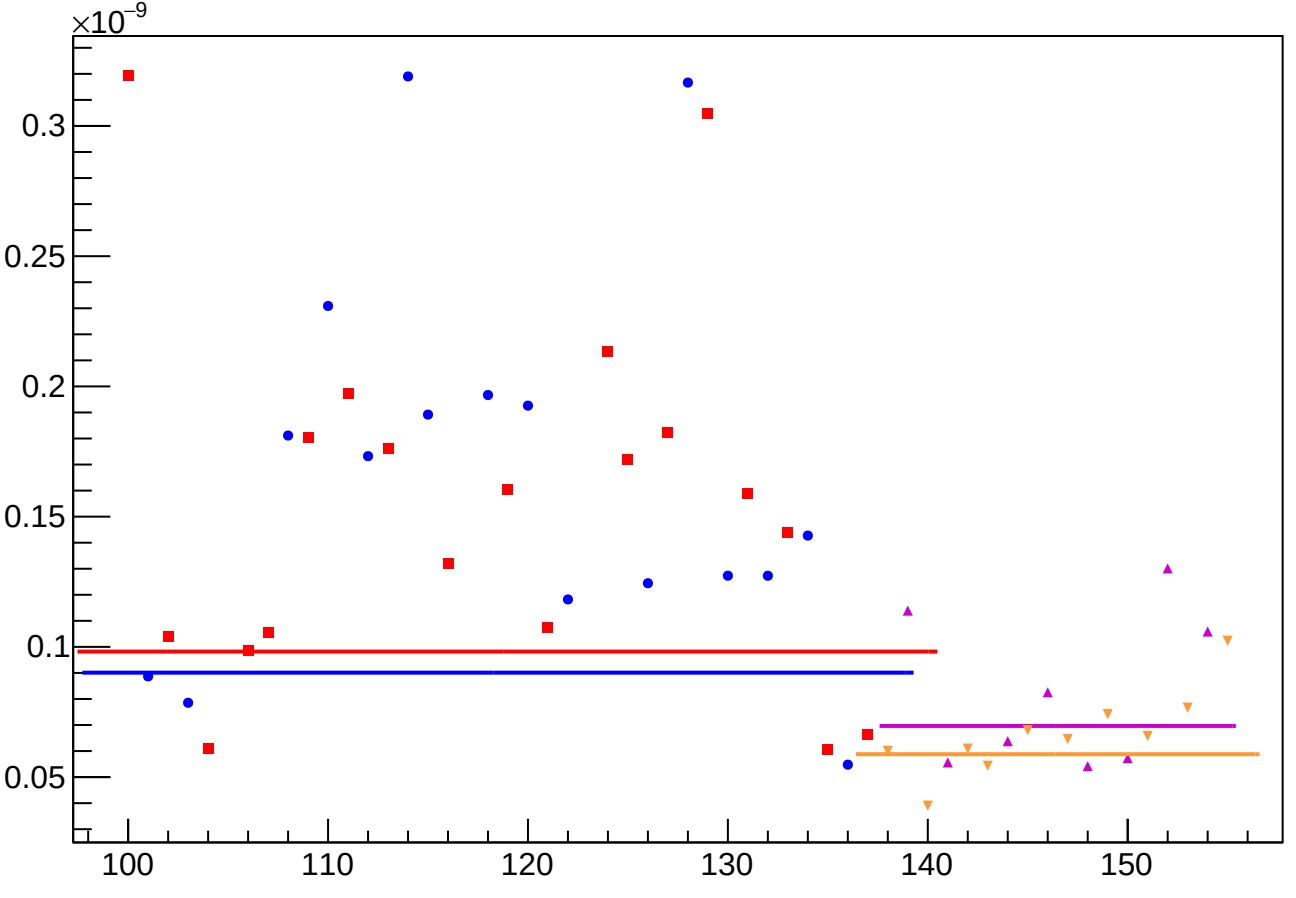
Left: 0.000+/-0.000 χ^2/NDF: 13.4/17

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:16.2/23

Out: 0.000+/-0.000 χ^2/NDF:18.1/28

All: -0.000+/-0.000 χ^2/NDF: 34.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:596186.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:853178.4/7

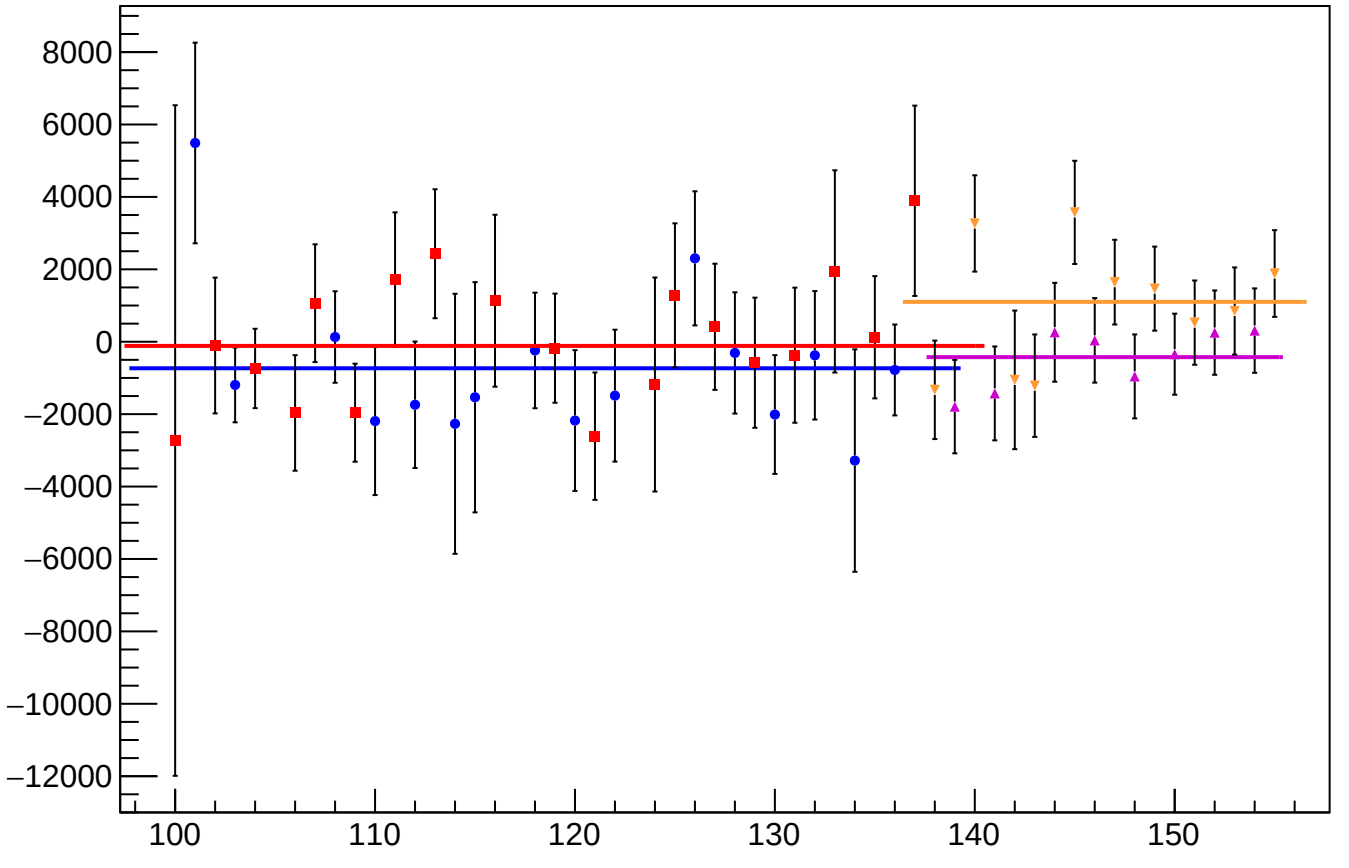
Left: 0.000+/-0.000 χ^2/NDF: 1572923.0/17

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:2891000.5/23

Out: 0.000+/-0.000 χ^2/NDF:3182887.9/28

All: 0.000+/-0.000 χ^2/NDF: 6180722.8/52



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 1100.928+/-409.324 χ^2/NDF:13.8/9

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -425.266+/-427.216 χ^2/NDF:3.1/7

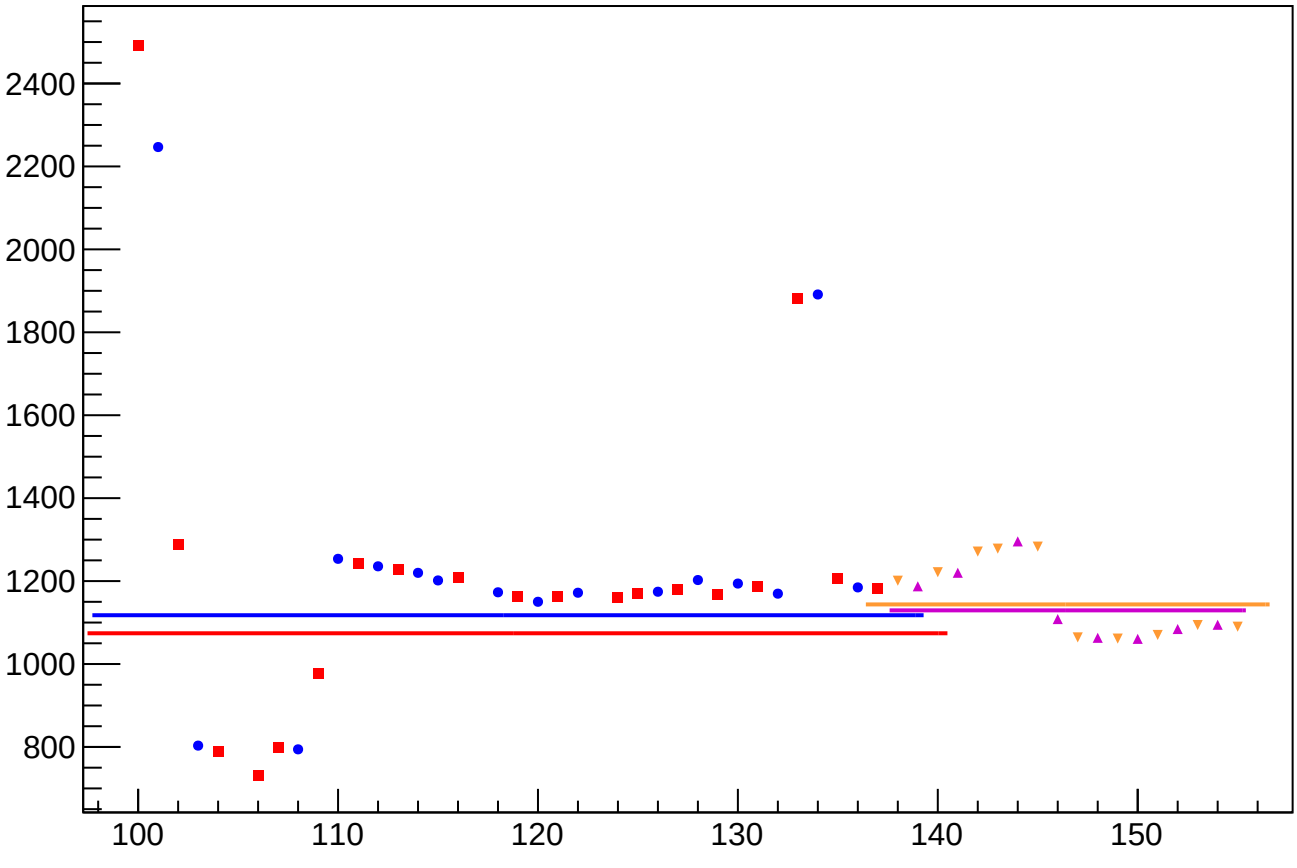
Left: 370.457+/-295.559 χ^2/NDF: 23.6/17

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -578.946+/-302.147 χ^2/NDF:15.0/23

Out: 496.074+/-290.180 χ^2/NDF:31.3/28

All: -19.727+/-209.291 χ^2/NDF: 53.0/52



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1143.735+/-0.289 χ^2/NDF:91164.3/9

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1129.396+/-0.302 χ^2/NDF:62932.2/7

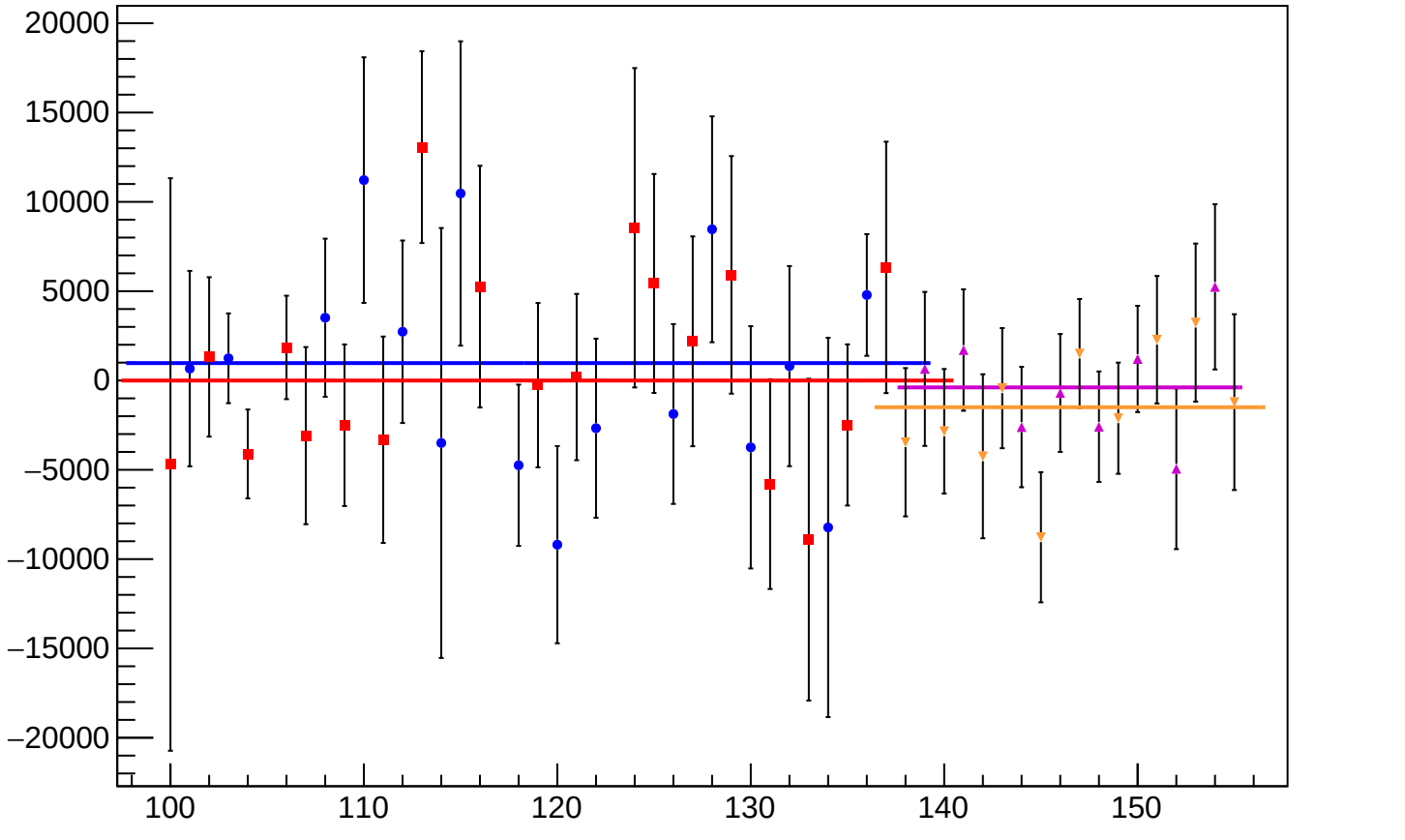
Left: 1136.872+/-0.209 χ^2/NDF: 155271.3/17

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1123.542+/-0.214 χ^2/NDF:883518.7/23

Out: 1108.831+/-0.204 χ^2/NDF:769665.9/28

All: 1115.859+/-0.148 χ^2/NDF: 1655660.6/52



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -1497.025+/-1168.040 χ^2/NDF:8.1/9

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -387.310+/-1255.796 χ^2/NDF:4.2/7

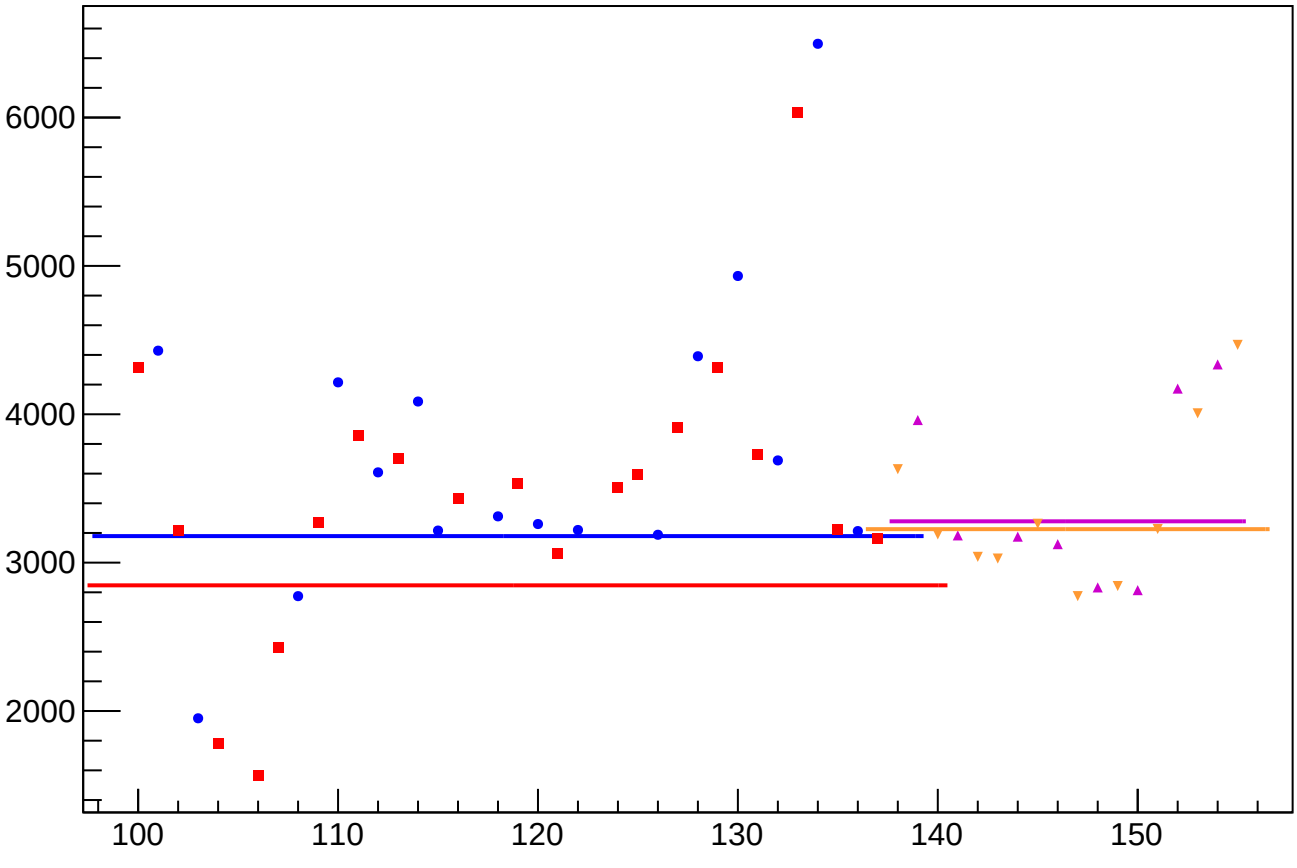
Left: -982.292+/-855.272 χ^2/NDF: 12.7/17

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 305.824+/-879.722 χ^2/NDF:18.6/23

Out: -714.524+/-806.106 χ^2/NDF:25.5/28

All: -248.821+/-594.327 χ^2/NDF: 44.8/52



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3225.682+/-0.826 χ^2/NDF:293326.8/9

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3278.516+/-0.888 χ^2/NDF:331829.4/7

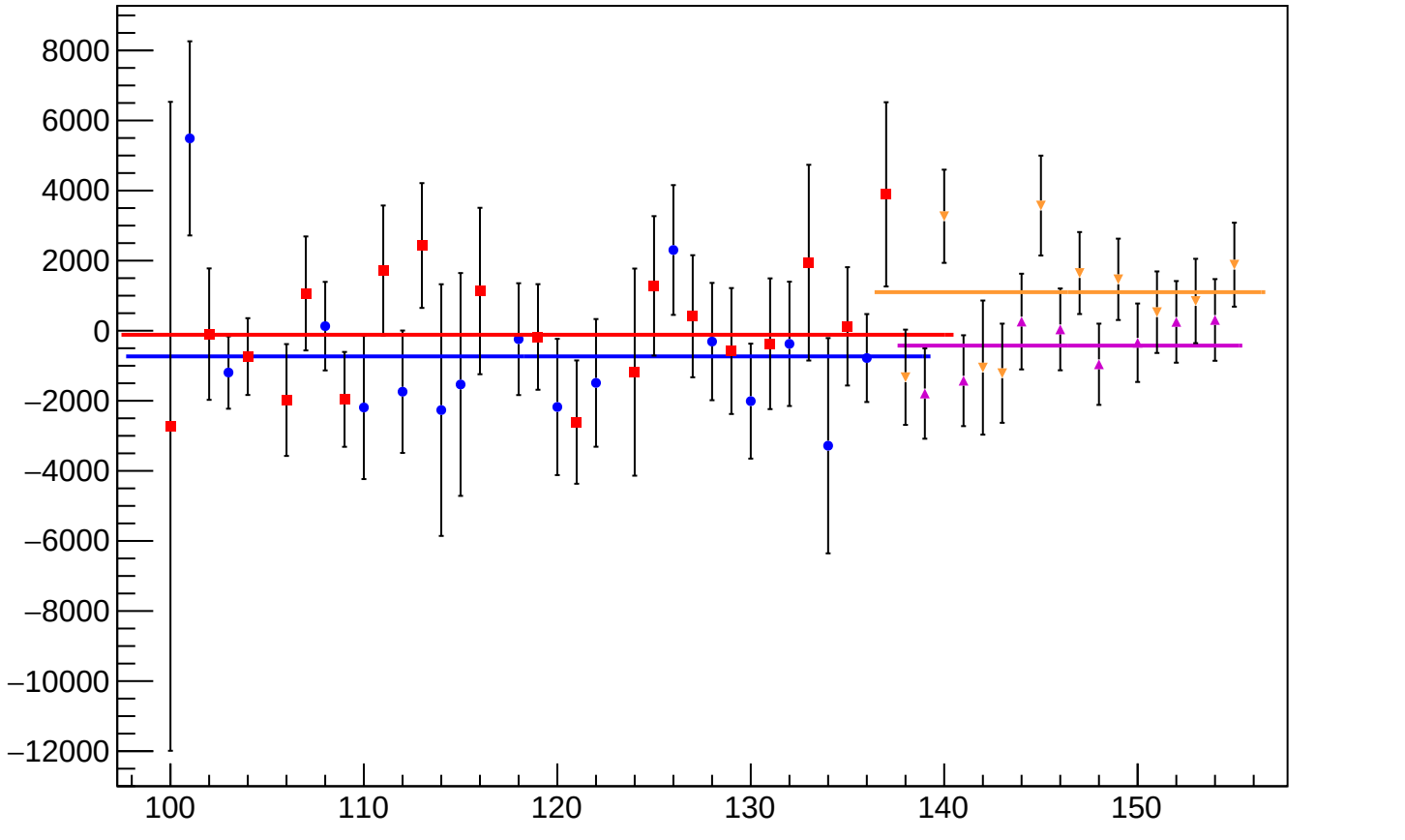
Left: 3250.189+/-0.605 χ^2/NDF: 627054.3/17

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3227.770+/-0.622 χ^2/NDF:1429919.1/23

Out: 3027.369+/-0.570 χ^2/NDF:1914570.7/28

All: 3118.835+/-0.420 χ^2/NDF: 3400906.4/52



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1100.940+/-409.324 χ^2/NDF:13.8/9

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -425.273+/-427.216 χ^2/NDF:3.1/7

Left: 370.460+/-295.559 χ^2/NDF: 23.6/17

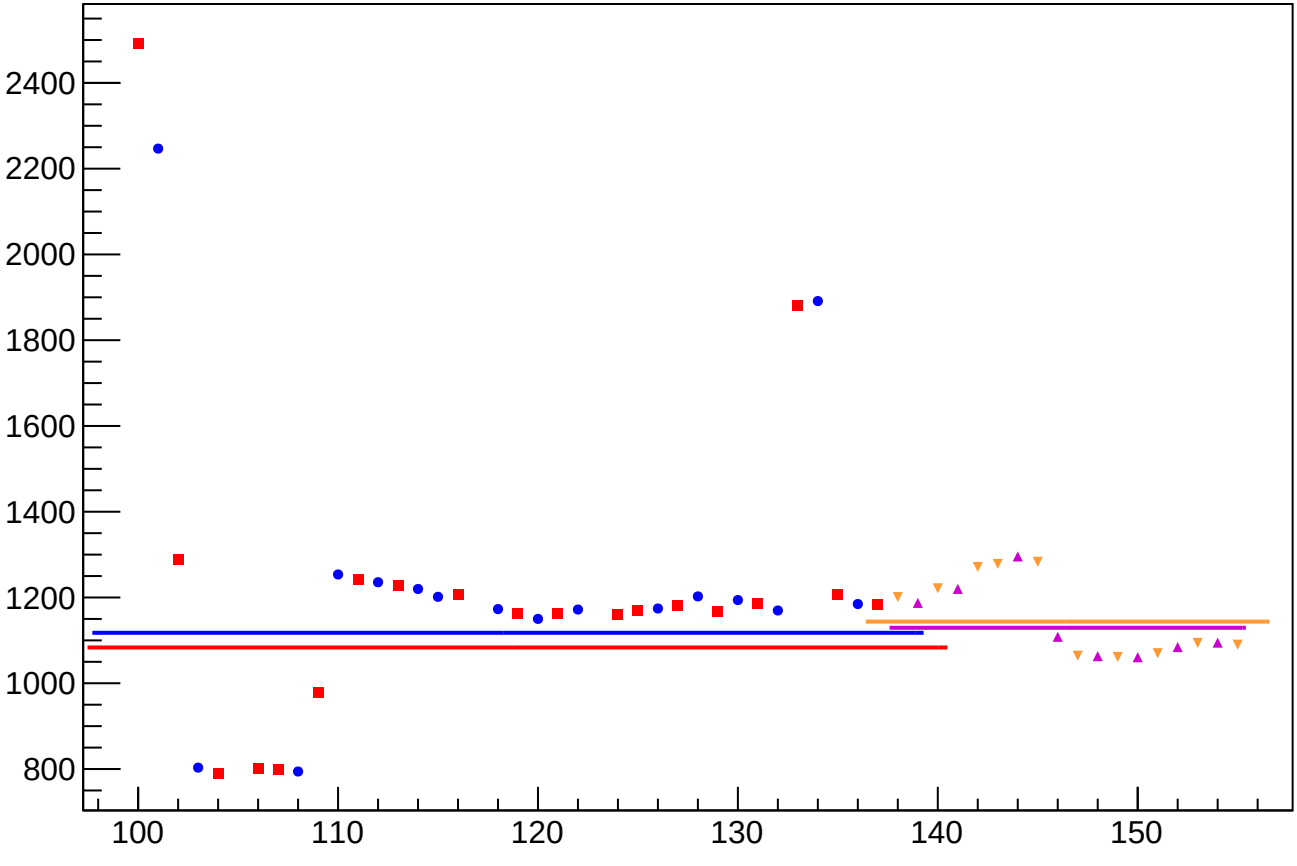
Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -578.917+/-302.147 χ^2/NDF:15.0/23

Out: 495.954+/-290.182 χ^2/NDF:31.3/28

All: -19.778+/-209.292 χ^2/NDF: 53.0/52

cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1143.735+/-0.289 χ^2/NDF:91164.3/9

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1129.396+/-0.302 χ^2/NDF:62932.2/7

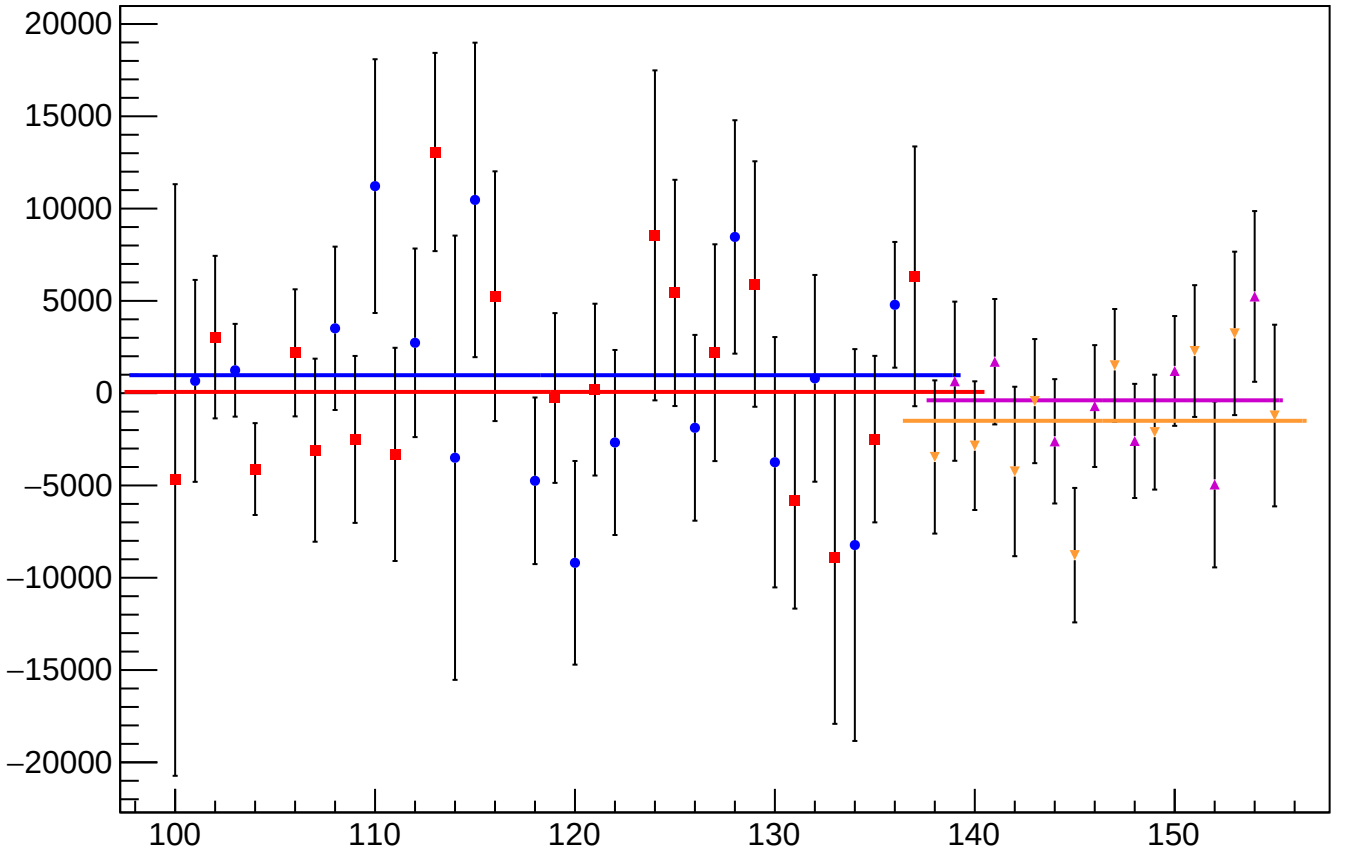
Left: 1136.872+/-0.209 χ^2/NDF: 155271.3/17

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1123.542+/-0.214 χ^2/NDF:883515.2/23

Out: 1113.675+/-0.205 χ^2/NDF:707822.9/28

All: 1118.405+/-0.148 χ^2/NDF: 1592448.6/52



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1497.019+/-1168.039 χ^2/NDF:8.1/9

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -387.320+/-1255.796 χ^2/NDF:4.2/7

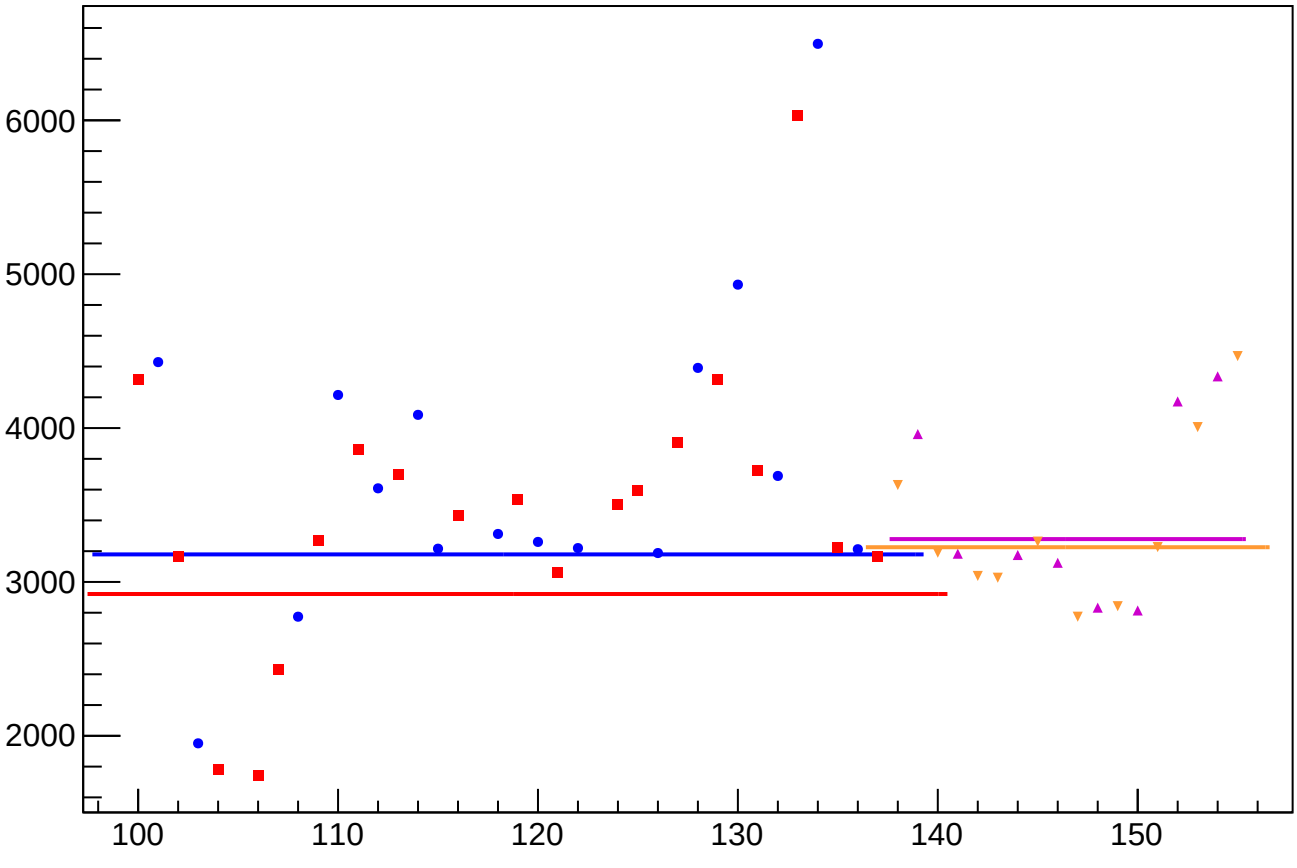
Left: -982.294+/-855.271 χ^2/NDF: 12.7/17

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 305.538+/-879.740 χ^2/NDF:18.6/23

Out: -694.507+/-815.061 χ^2/NDF:26.0/28

All: -232.594+/-597.895 χ^2/NDF: 45.2/52



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3225.677+/-0.826 χ^2/NDF:293331.9/9

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3278.515+/-0.888 χ^2/NDF:331830.8/7

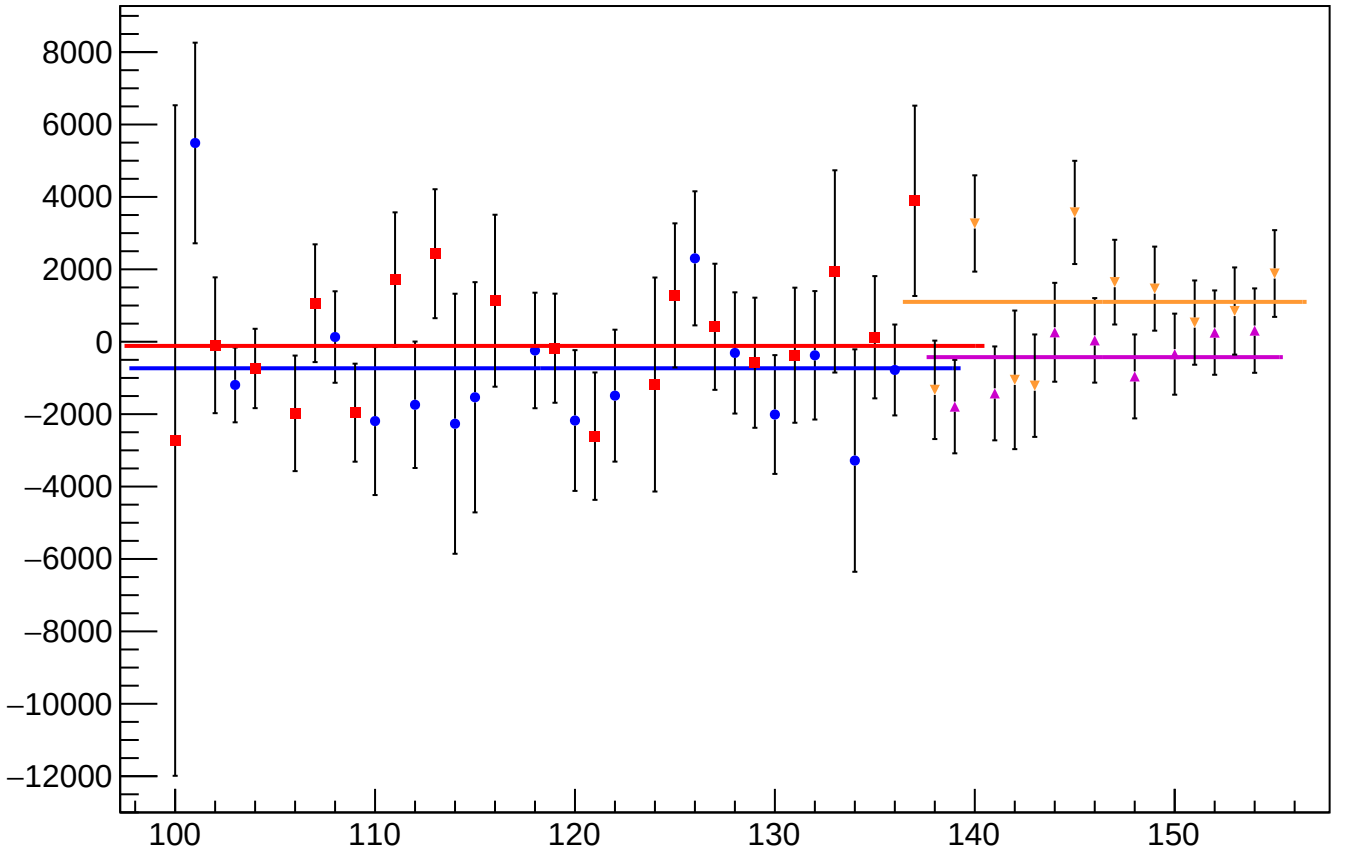
Left: 3250.186+/-0.605 χ^2/NDF: 627061.0/17

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3227.866+/-0.622 χ^2/NDF:1429456.1/23

Out: 3069.685+/-0.576 χ^2/NDF:1675747.6/28

All: 3142.747+/-0.423 χ^2/NDF: 3139997.1/52



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1100.940+/-409.324 χ^2/NDF:13.8/9

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -425.273+/-427.216 χ^2/NDF:3.1/7

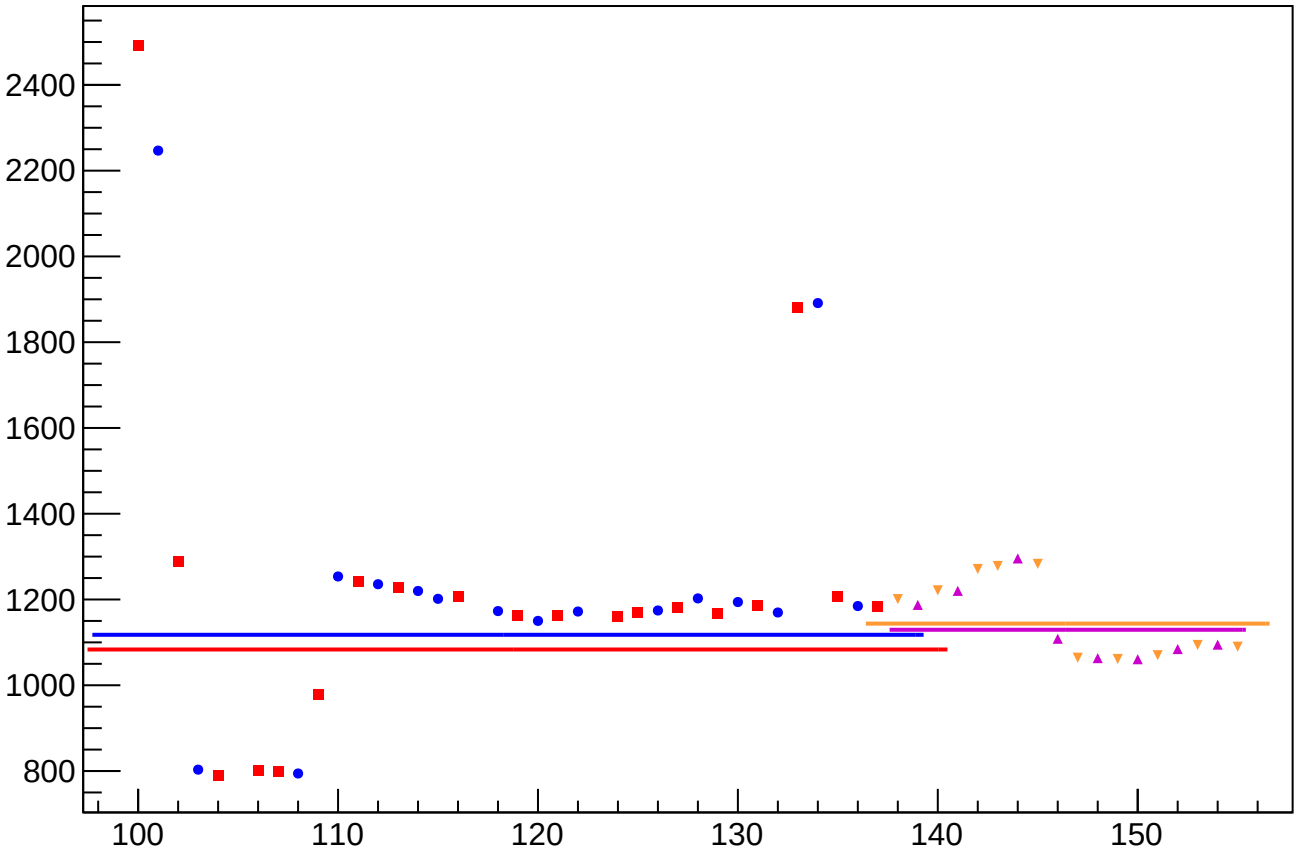
Left: 370.460+/-295.559 χ^2/NDF: 23.6/17

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -578.917+/-302.147 χ^2/NDF:15.0/23

Out: 495.954+/-290.182 χ^2/NDF:31.3/28

All: -19.778+/-209.292 χ^2/NDF: 53.0/52



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1143.735+/-0.289 χ^2/NDF:91164.3/9

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1129.396+/-0.302 χ^2/NDF:62932.2/7

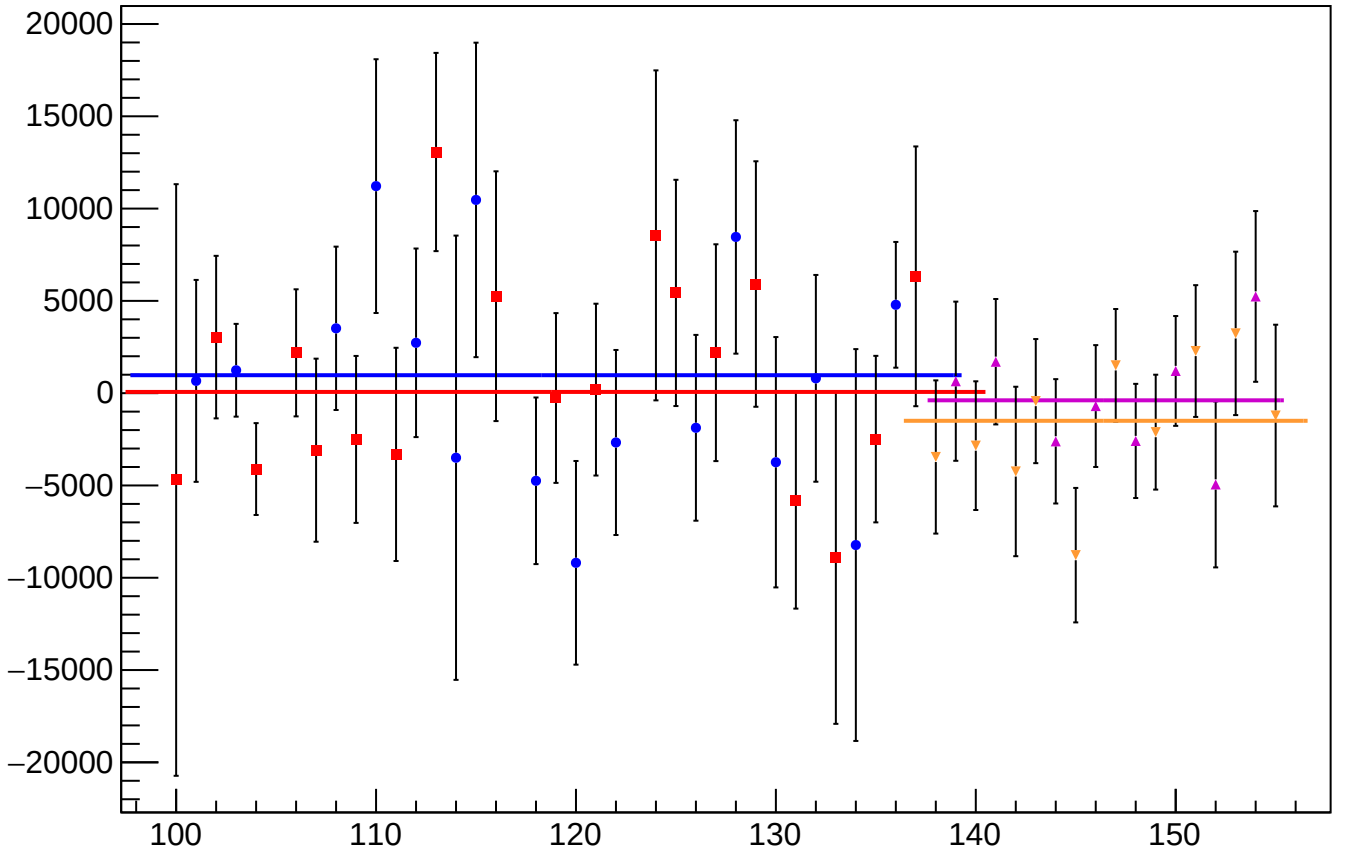
Left: 1136.872+/-0.209 χ^2/NDF: 155271.3/17

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1123.542+/-0.214 χ^2/NDF:883515.2/23

Out: 1113.675+/-0.205 χ^2/NDF:707822.9/28

All: 1118.405+/-0.148 χ^2/NDF: 1592448.6/52



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1497.019+/-1168.039 χ^2/NDF:8.1/9

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -387.320+/-1255.796 χ^2/NDF:4.2/7

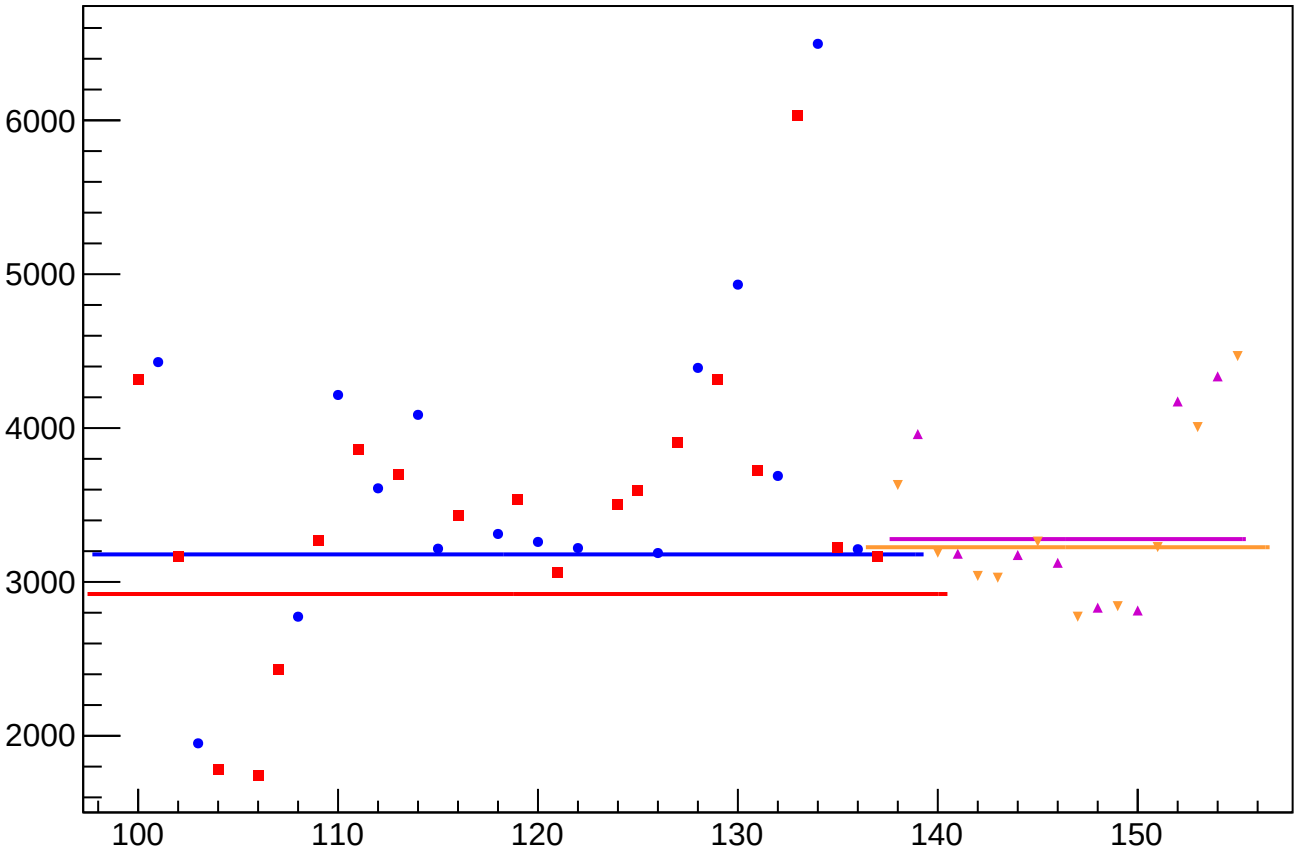
Left: -982.294+/-855.271 χ^2/NDF: 12.7/17

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 305.538+/-879.740 χ^2/NDF:18.6/23

Out: -694.507+/-815.061 χ^2/NDF:26.0/28

All: -232.594+/-597.895 χ^2/NDF: 45.2/52



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3225.677+/-0.826 χ^2/NDF:293331.9/9

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3278.515+/-0.888 χ^2/NDF:331830.8/7

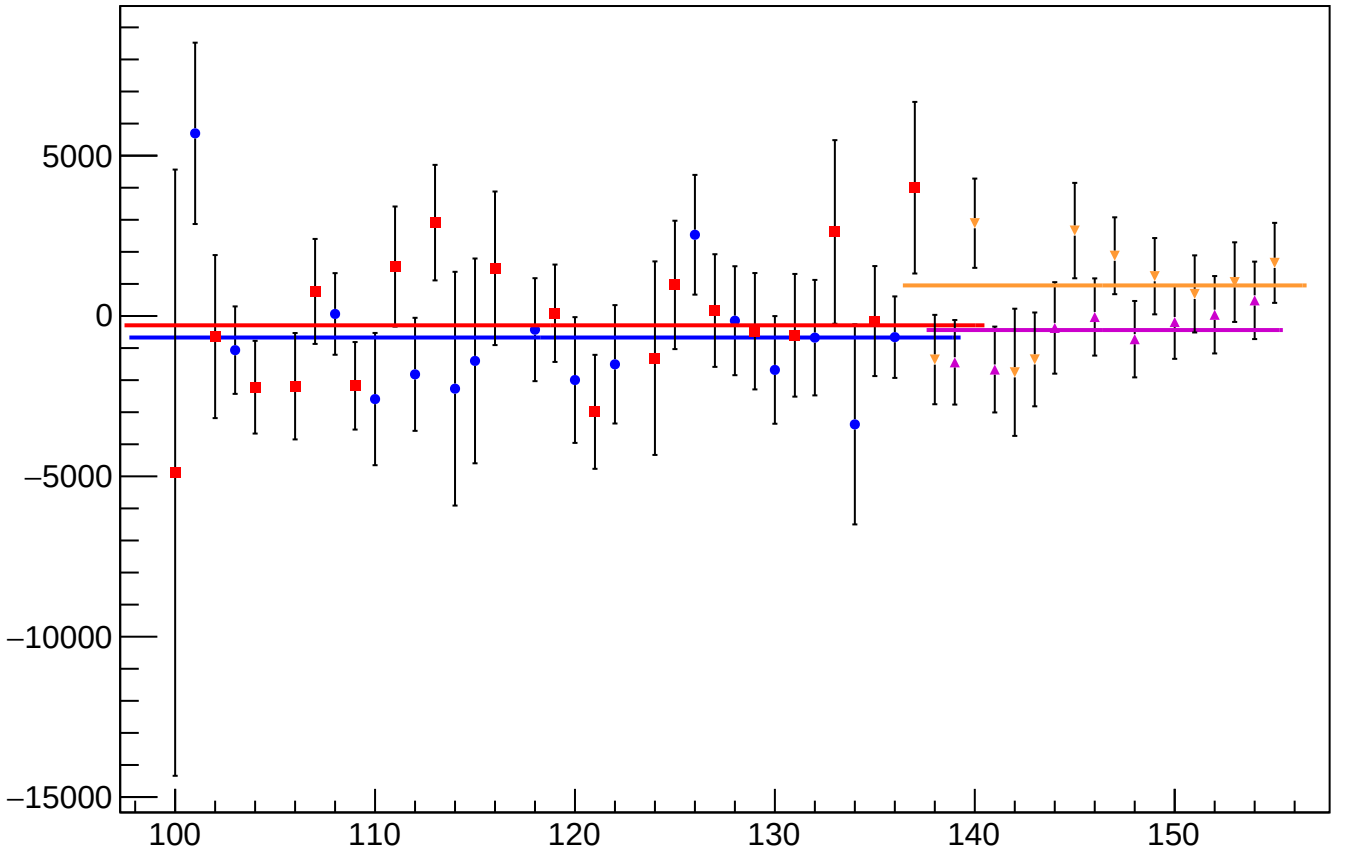
Left: 3250.186+/-0.605 χ^2/NDF: 627061.0/17

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3227.866+/-0.622 χ^2/NDF:1429456.1/23

Out: 3069.685+/-0.576 χ^2/NDF:1675747.6/28

All: 3142.747+/-0.423 χ^2/NDF: 3139997.1/52



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 953.525+/-422.927 χ^2/NDF:11.4/9

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -438.002+/-440.625 χ^2/NDF:2.4/7

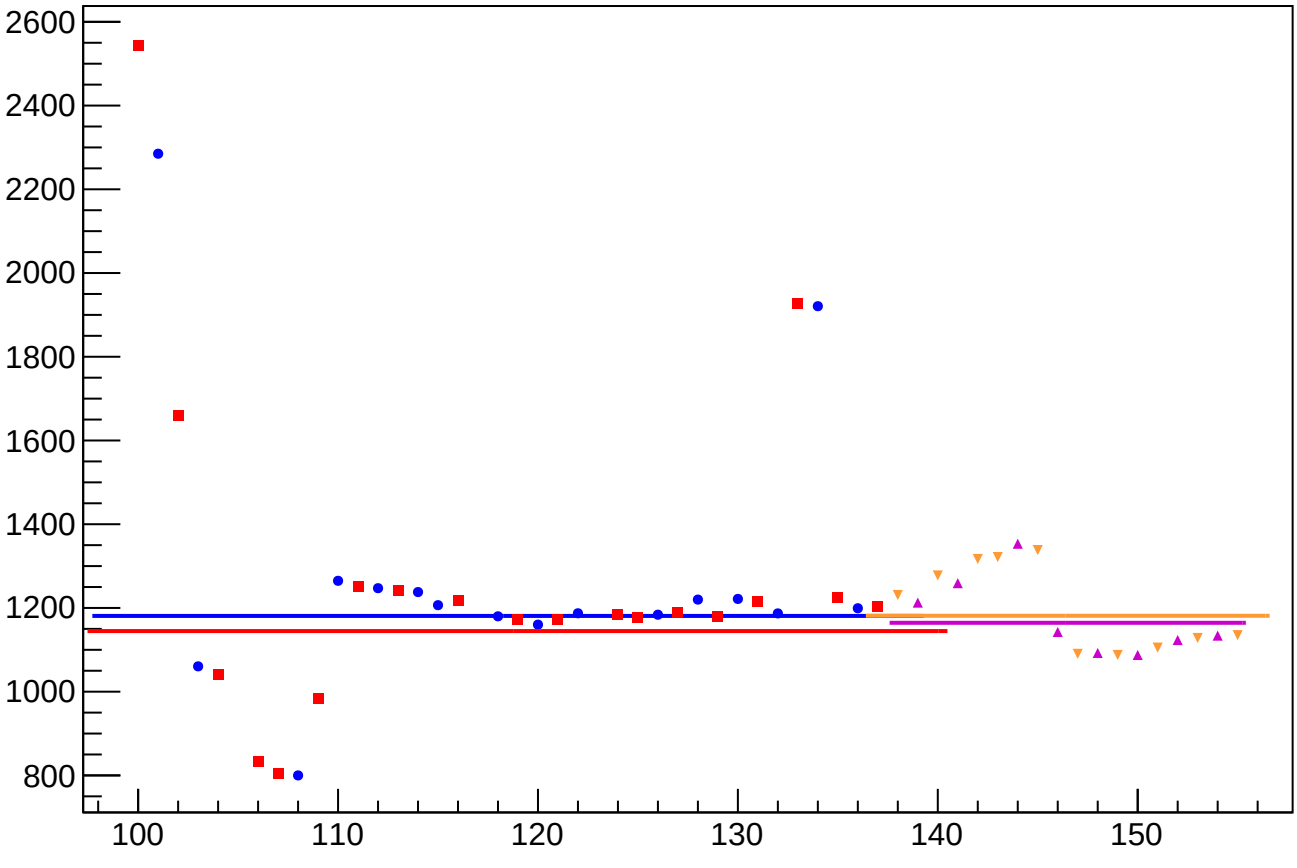
Left: 286.267+/-305.119 χ^2/NDF: 19.0/17

Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -552.348+/-314.316 χ^2/NDF:14.4/23

Out: 348.284+/-303.038 χ^2/NDF:32.5/28

All: -85.585+/-218.158 χ^2/NDF: 51.2/52



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1181.314+/-0.299 χ^2/NDF:100460.6/9

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1164.557+/-0.312 χ^2/NDF:68283.1/7

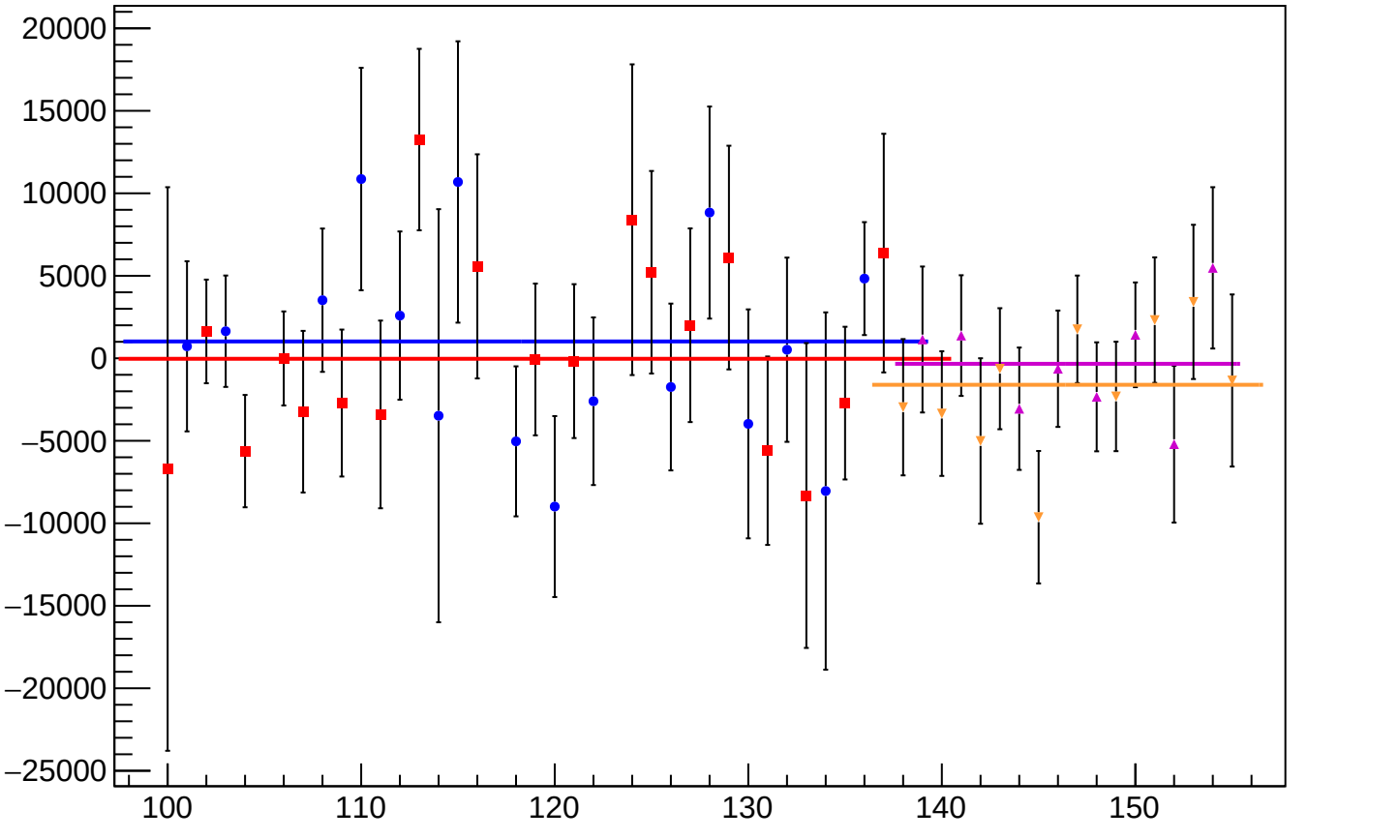
Left: 1173.279+/-0.216 χ^2/NDF: 170249.2/17

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1172.611+/-0.222 χ^2/NDF:691522.2/23

Out: 1163.527+/-0.214 χ^2/NDF:605458.1/28

All: 1167.902+/-0.154 χ^2/NDF: 1297846.3/52



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -1605.941+/-1248.370 χ^2/NDF:8.2/9

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -334.134+/-1341.055 χ^2/NDF:4.0/7

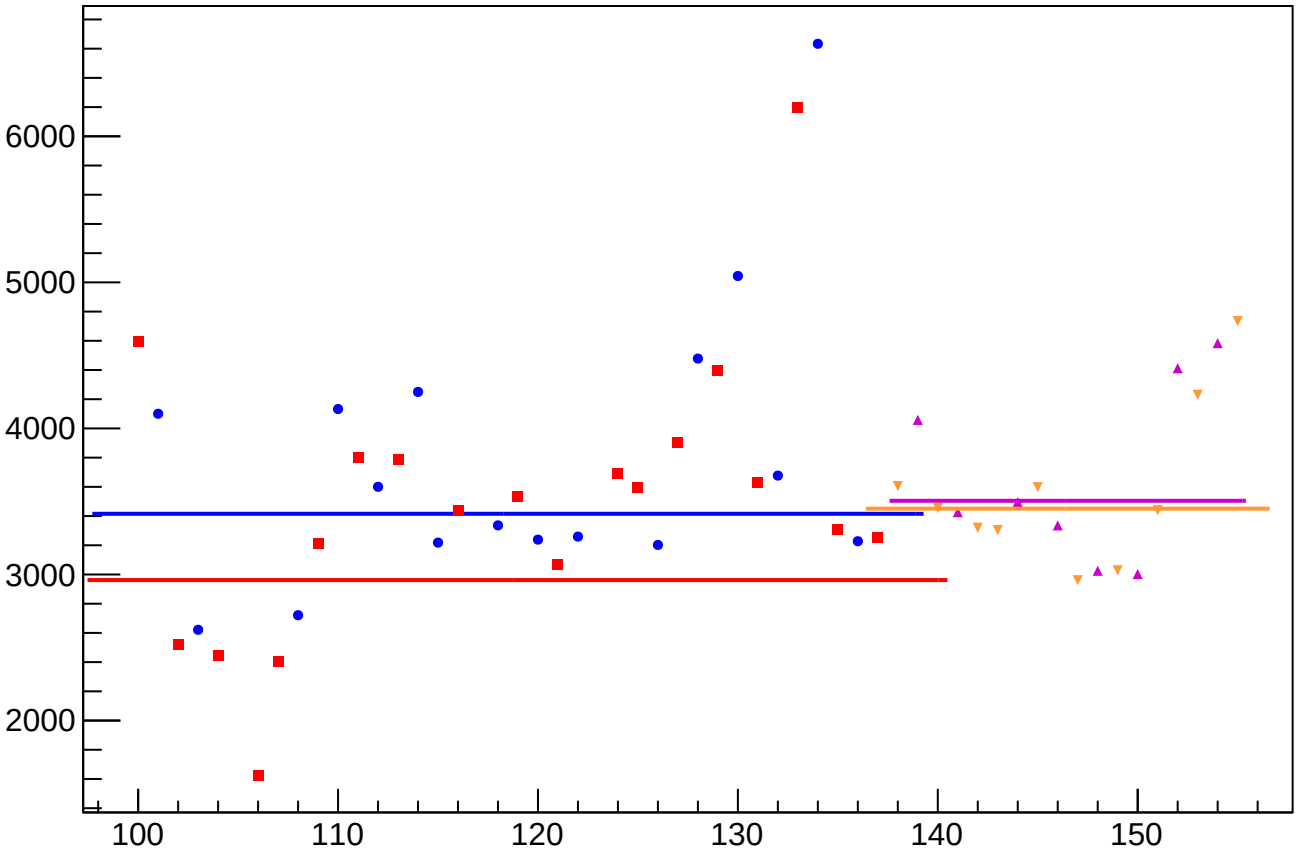
Left: -1015.502+/-913.742 χ^2/NDF: 12.7/17

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 363.253+/-934.314 χ^2/NDF:18.4/23

Out: -740.318+/-838.063 χ^2/NDF:25.2/28

All: -248.287+/-623.863 χ^2/NDF: 44.4/52



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3450.780+/-0.883 χ^2/NDF:264562.2/9

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3504.609+/-0.948 χ^2/NDF:299278.6/7

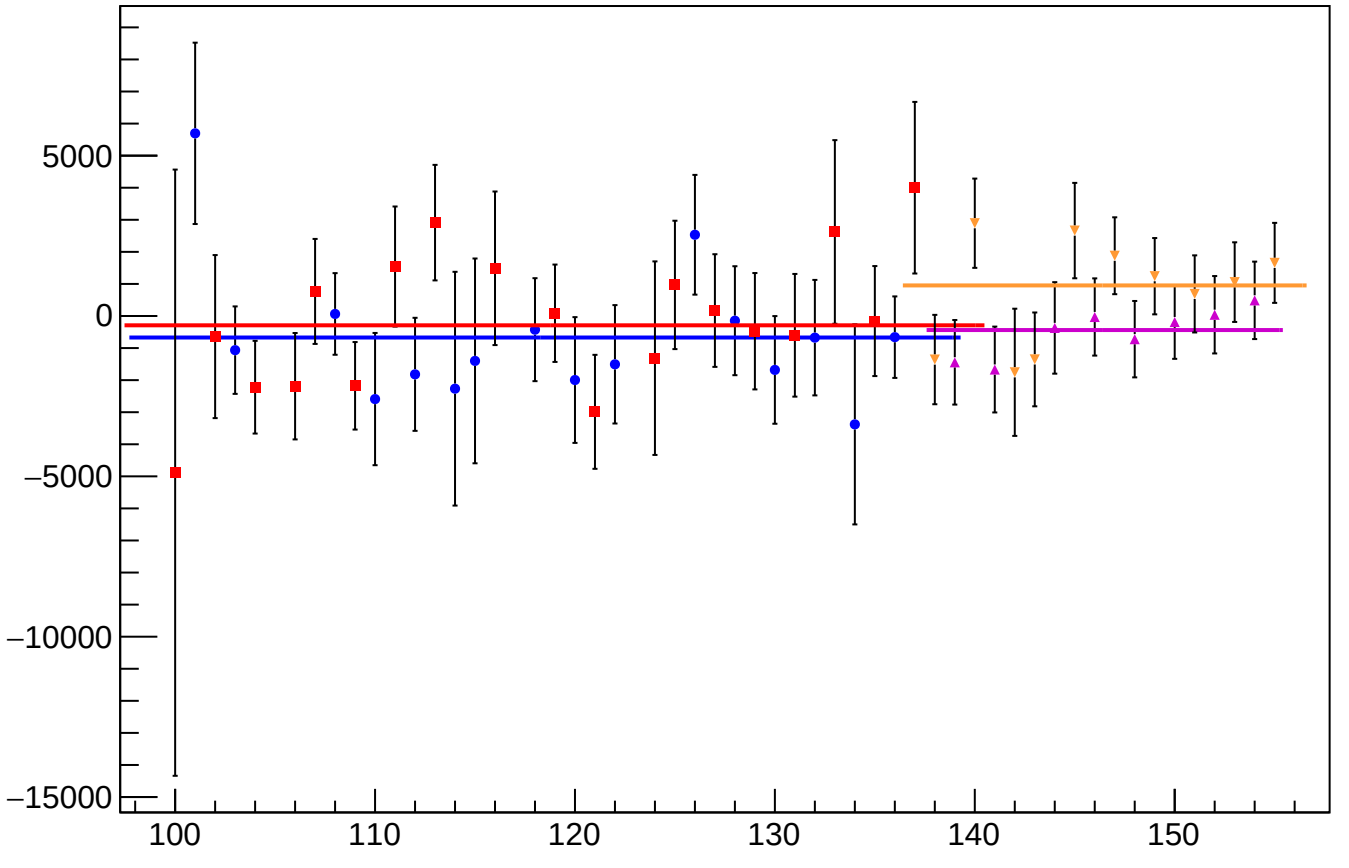
Left: 3475.770+/-0.646 χ^2/NDF: 565567.2/17

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3458.801+/-0.661 χ^2/NDF:896157.1/23

Out: 3182.172+/-0.593 χ^2/NDF:1602379.8/28

All: 3305.508+/-0.441 χ^2/NDF: 2595691.8/52



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 953.530+/-422.927 χ^2/NDF:11.4/9

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -437.998+/-440.625 χ^2/NDF:2.4/7

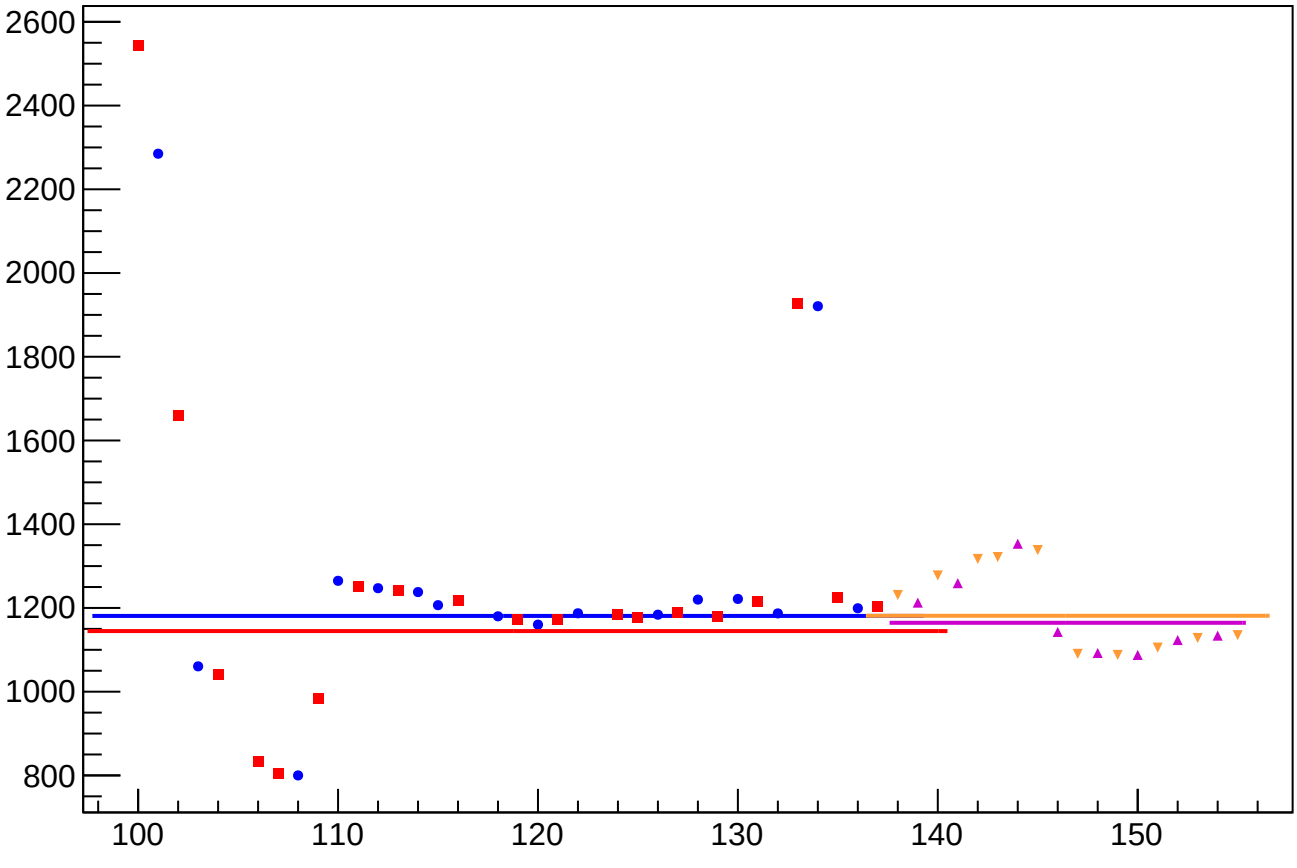
Left: 286.272+/-305.120 χ^2/NDF: 19.0/17

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -552.349+/-314.316 χ^2/NDF:14.4/23

Out: 348.284+/-303.038 χ^2/NDF:32.5/28

All: -85.585+/-218.158 χ^2/NDF: 51.2/52



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1181.315+/-0.299 χ^2/NDF:100460.9/9

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1164.558+/-0.312 χ^2/NDF:68282.8/7

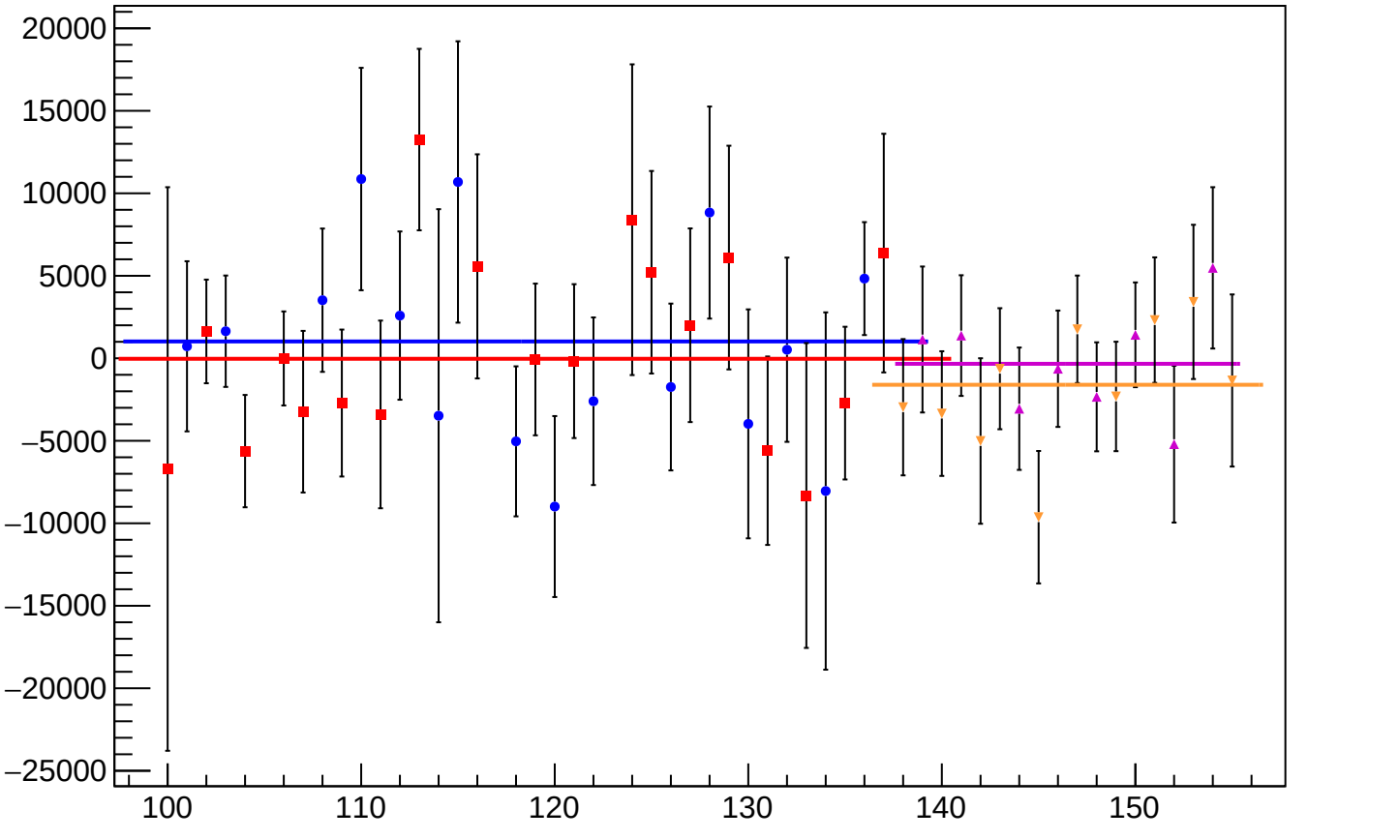
Left: 1173.279+/-0.216 χ^2/NDF: 170249.1/17

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1172.611+/-0.222 χ^2/NDF:691522.0/23

Out: 1163.527+/-0.214 χ^2/NDF:605458.0/28

All: 1167.902+/-0.154 χ^2/NDF: 1297846.0/52



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -1605.939+/-1248.371 χ^2/NDF:8.2/9

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -334.130+/-1341.057 χ^2/NDF:4.0/7

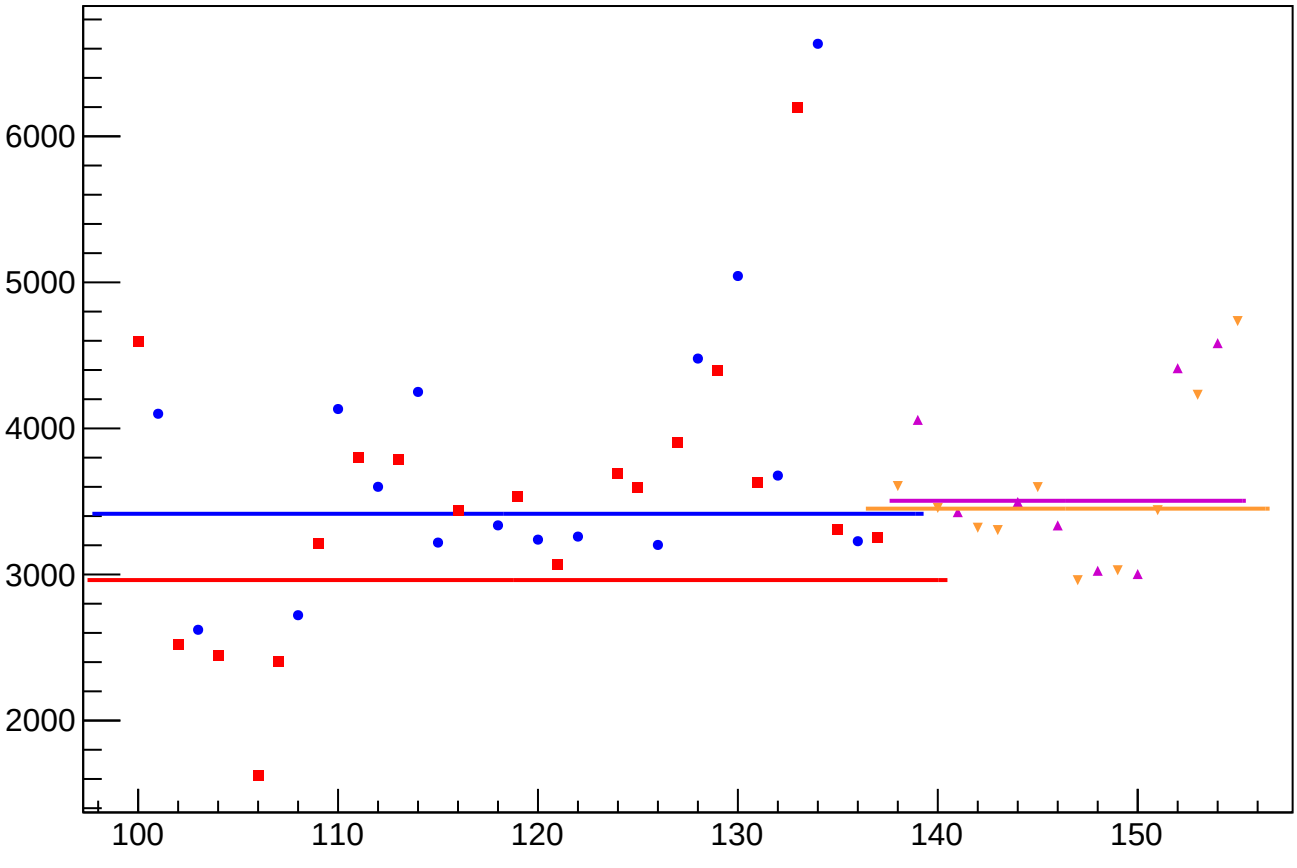
Left: -1015.499+/-913.743 χ^2/NDF: 12.7/17

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 363.247+/-934.314 χ^2/NDF:18.4/23

Out: -740.318+/-838.063 χ^2/NDF:25.2/28

All: -248.290+/-623.863 χ^2/NDF: 44.4/52



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3450.784+/-0.883 χ^2/NDF:264560.3/9

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3504.613+/-0.948 χ^2/NDF:299276.0/7

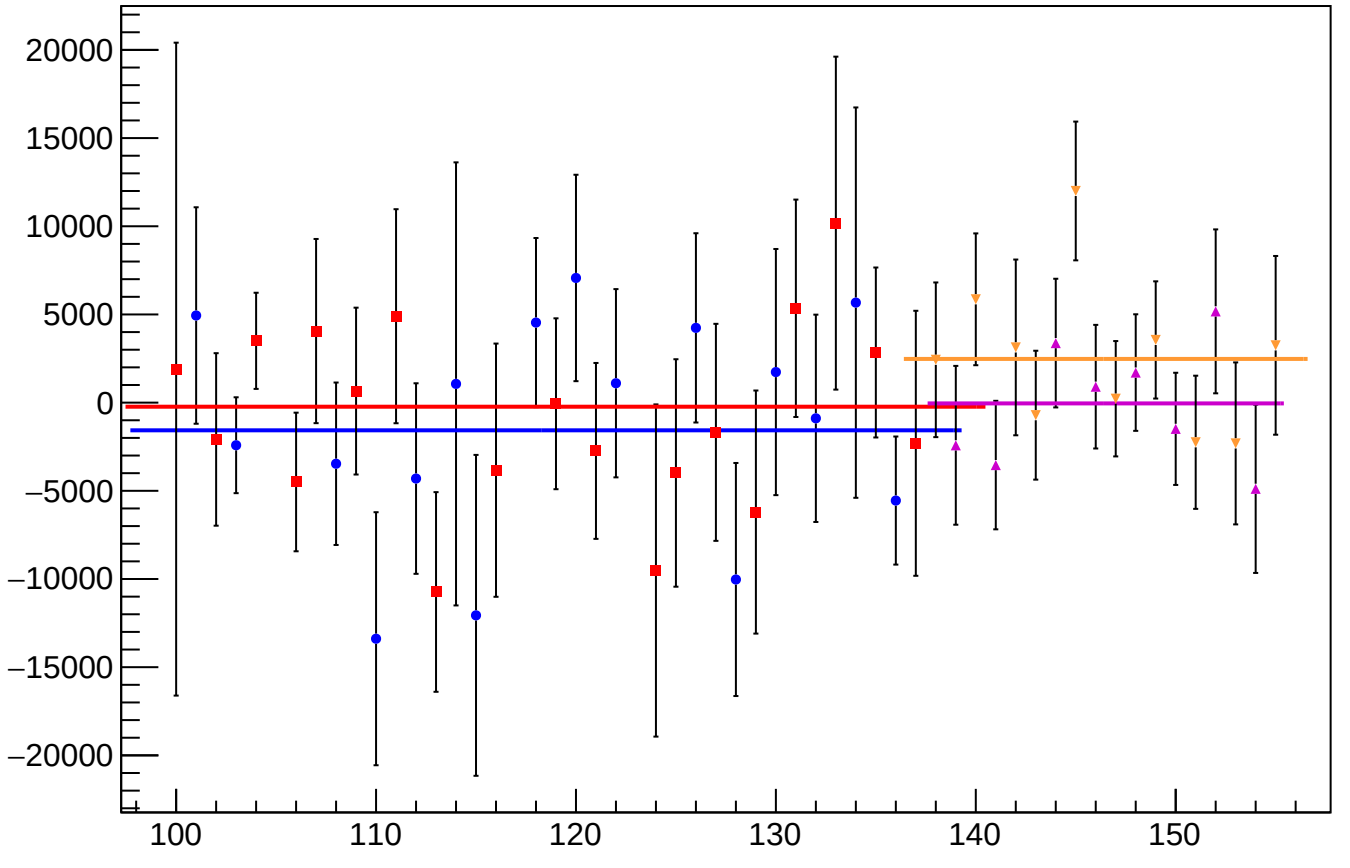
Left: 3475.774+/-0.646 χ^2/NDF: 565562.6/17

Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3458.801+/-0.661 χ^2/NDF:896150.3/23

Out: 3182.170+/-0.593 χ^2/NDF:1602383.7/28

All: 3305.507+/-0.441 χ^2/NDF: 2595690.2/52



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 2478.204+/-1246.127 χ^2/NDF:10.7/9

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: -43.772+/-1334.061 χ^2/NDF:4.9/7

Left: 1303.067+/-910.646 χ^2/NDF: 17.6/17

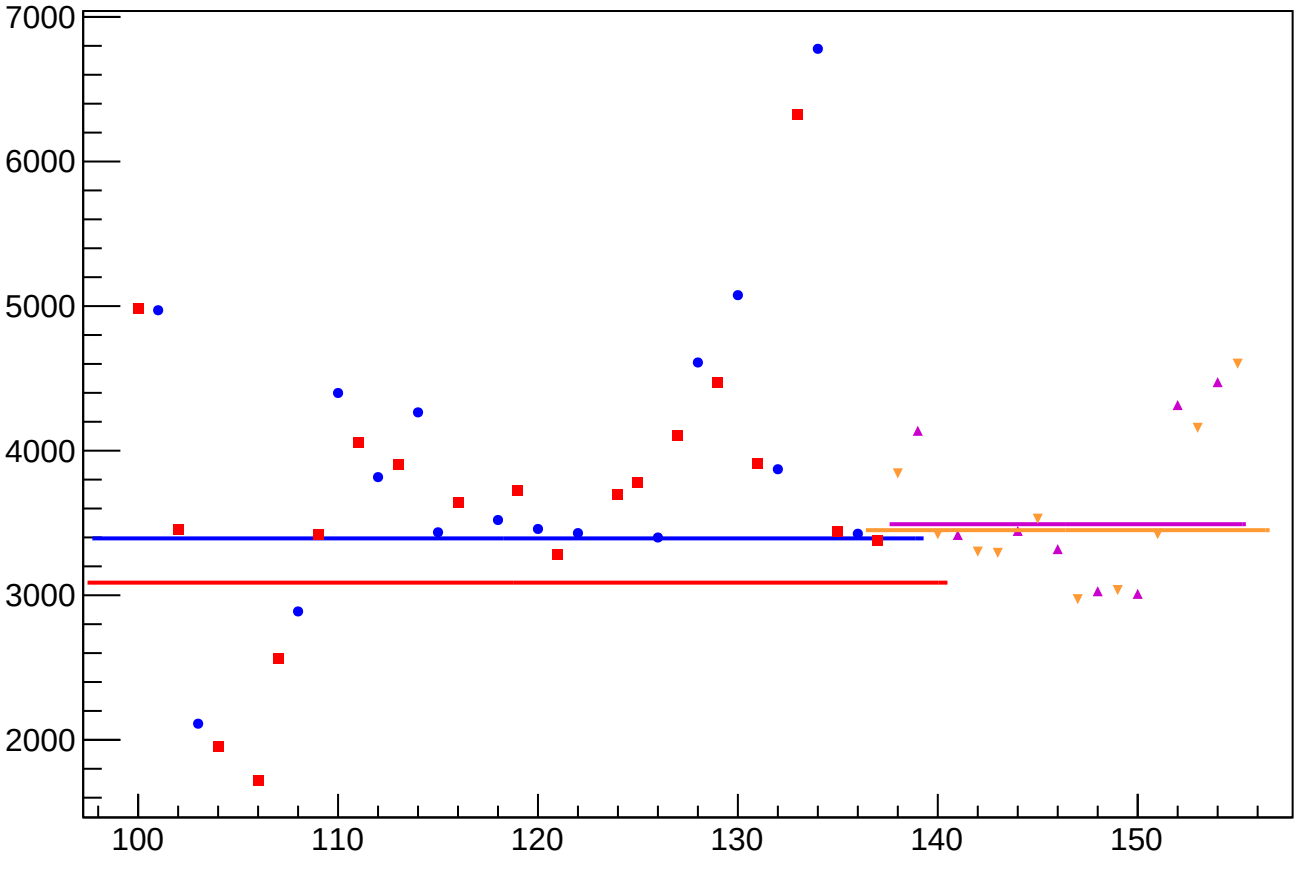
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -818.968+/-935.766 χ^2/NDF:20.1/23

Out: 1099.623+/-873.332 χ^2/NDF:26.3/28

All: 206.462+/-638.471 χ^2/NDF: 48.7/52

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3450.311+/-0.881 χ^2/NDF:247066.4/9

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3491.570+/-0.943 χ^2/NDF:280127.1/7

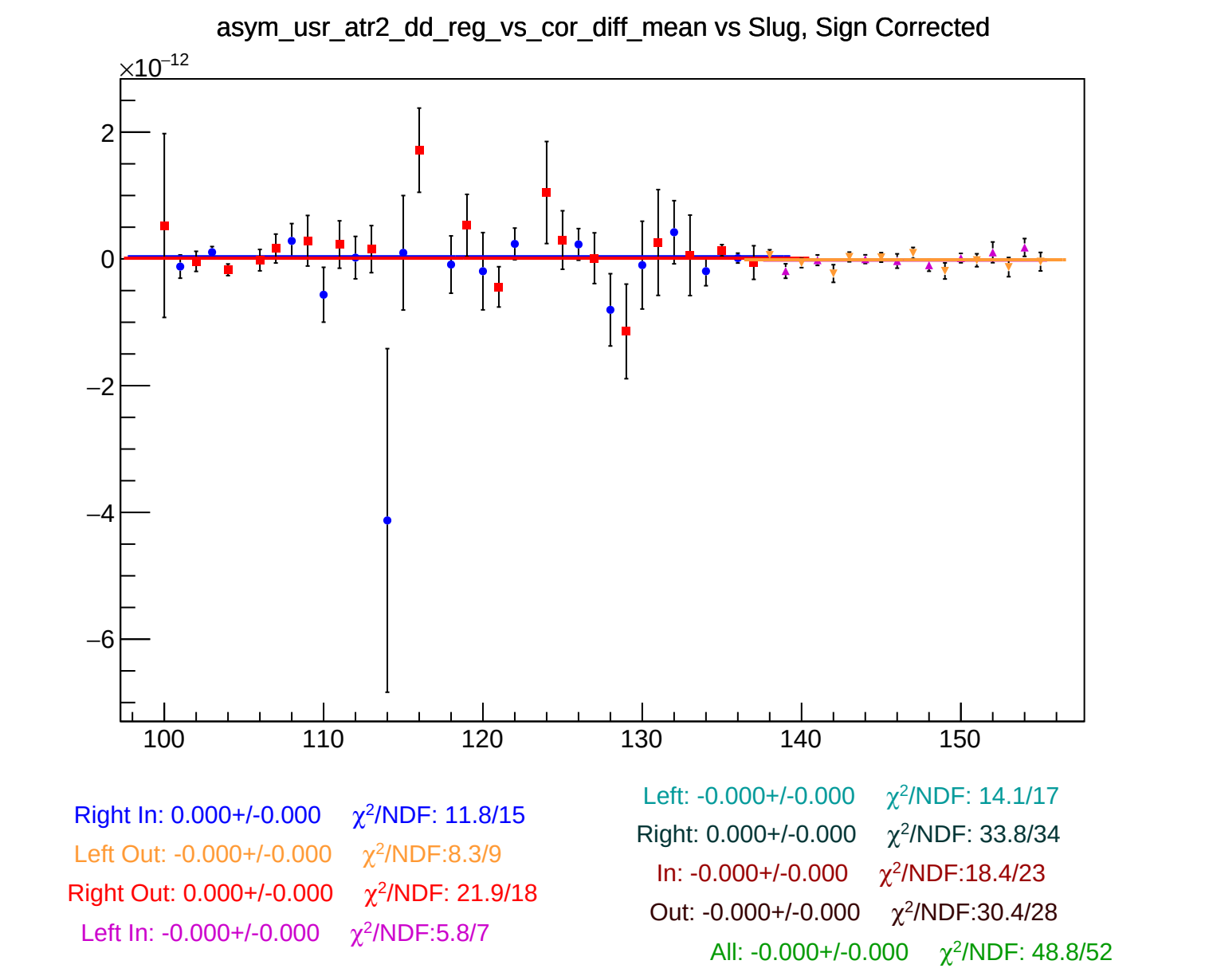
Left: 3469.536+/-0.644 χ^2/NDF: 528215.2/17

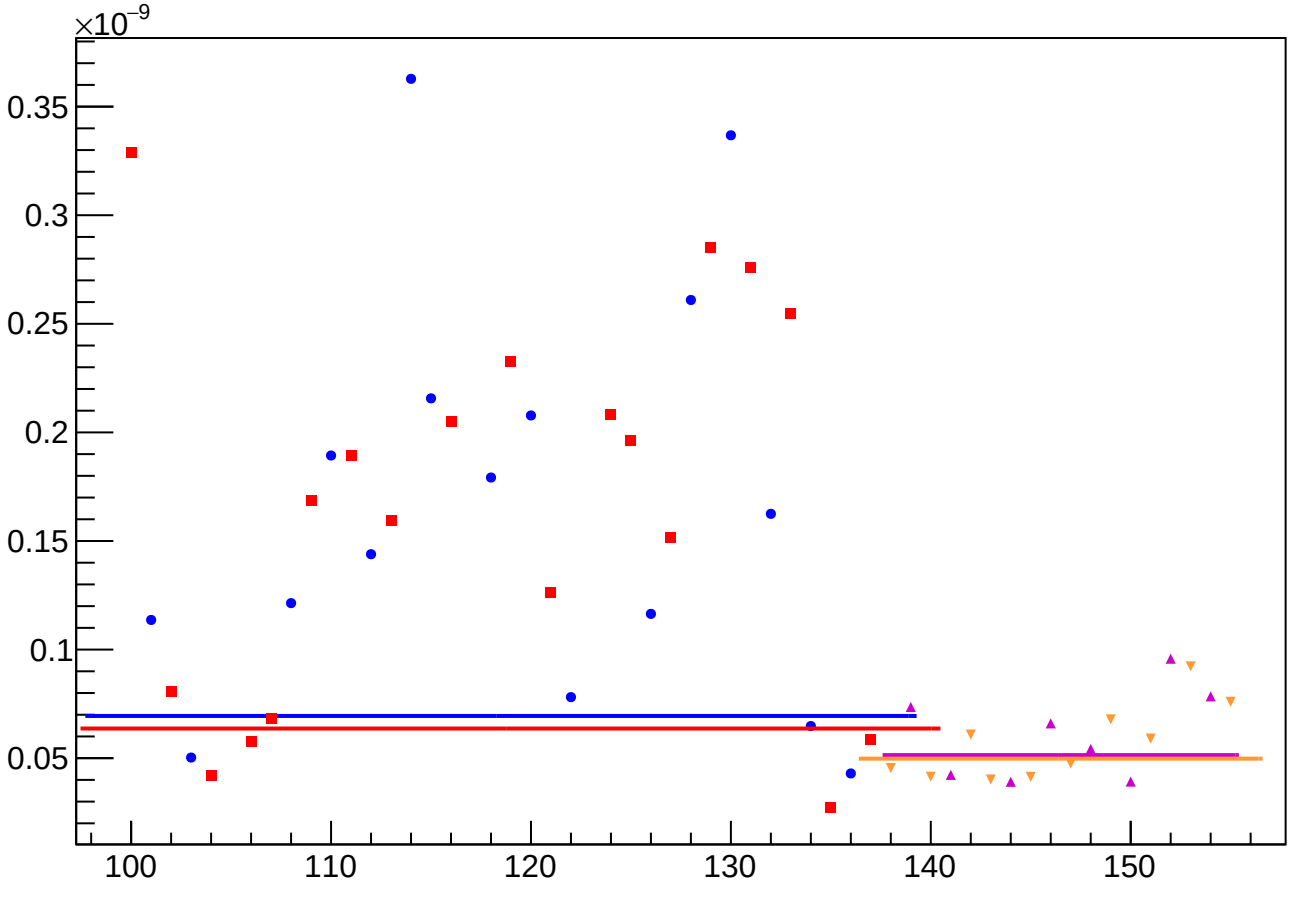
Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3441.684+/-0.662 χ^2/NDF:1334340.2/23

Out: 3262.541+/-0.612 χ^2/NDF:1663212.2/28

All: 3345.165+/-0.449 χ^2/NDF: 3037044.1/52


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:8.3/9
Right Out: 0.000+/-0.000 χ²/NDF: 21.9/18
Left In: -0.000+/-0.000 χ²/NDF:5.8/7
Left: -0.000+/-0.000 χ²/NDF: 14.1/17
Right: 0.000+/-0.000 χ²/NDF: 33.8/34
In: -0.000+/-0.000 χ²/NDF:18.4/23
Out: -0.000+/-0.000 χ²/NDF:30.4/28
All: -0.000+/-0.000 χ²/NDF: 48.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:380875.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:475635.6/7

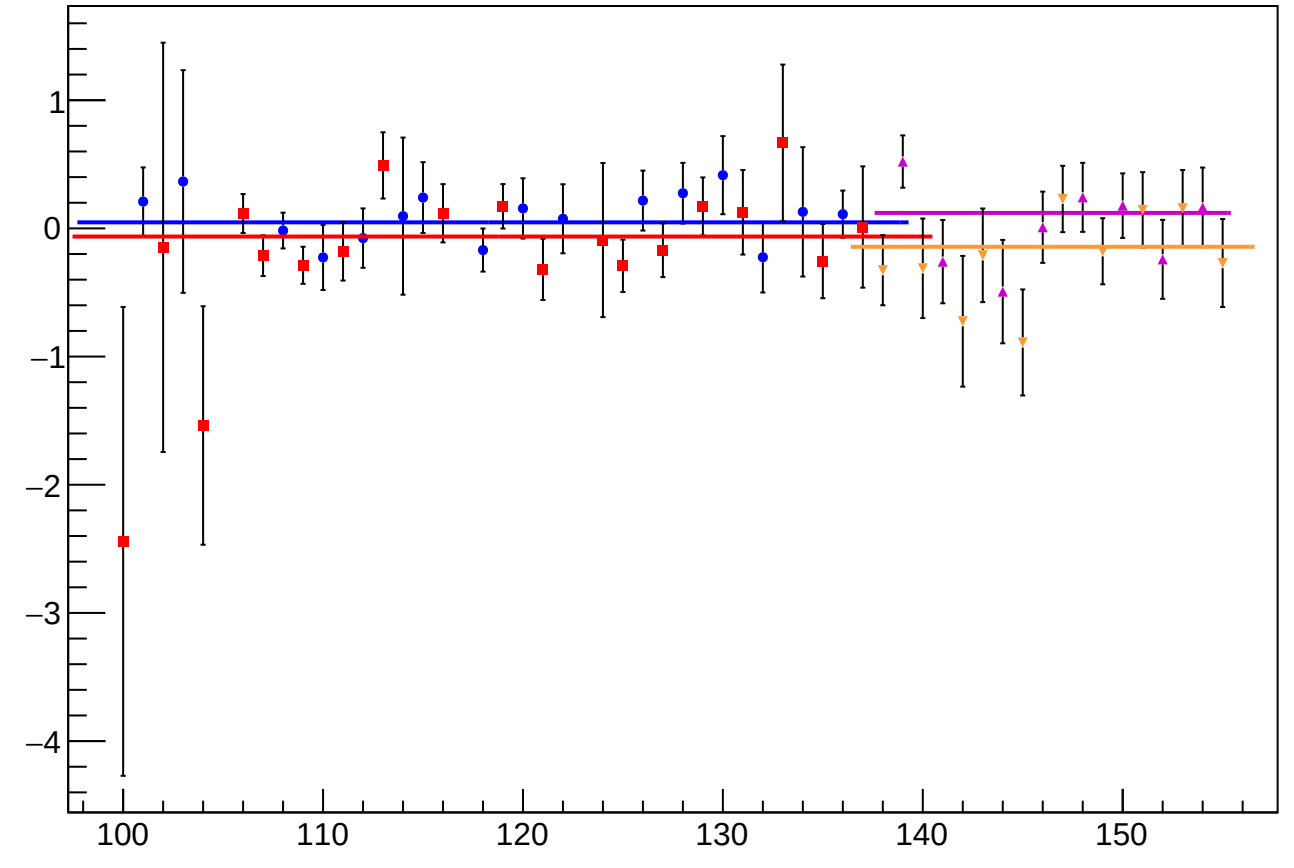
Left: 0.000+/-0.000 χ^2/NDF: 859126.3/17

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2390486.9/23

Out: 0.000+/-0.000 χ^2/NDF:2746005.5/28

All: 0.000+/-0.000 χ^2/NDF: 5155084.0/52



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.144+/-0.101 χ^2/NDF:9.4/9

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.121+/-0.099 χ^2/NDF:9.4/7

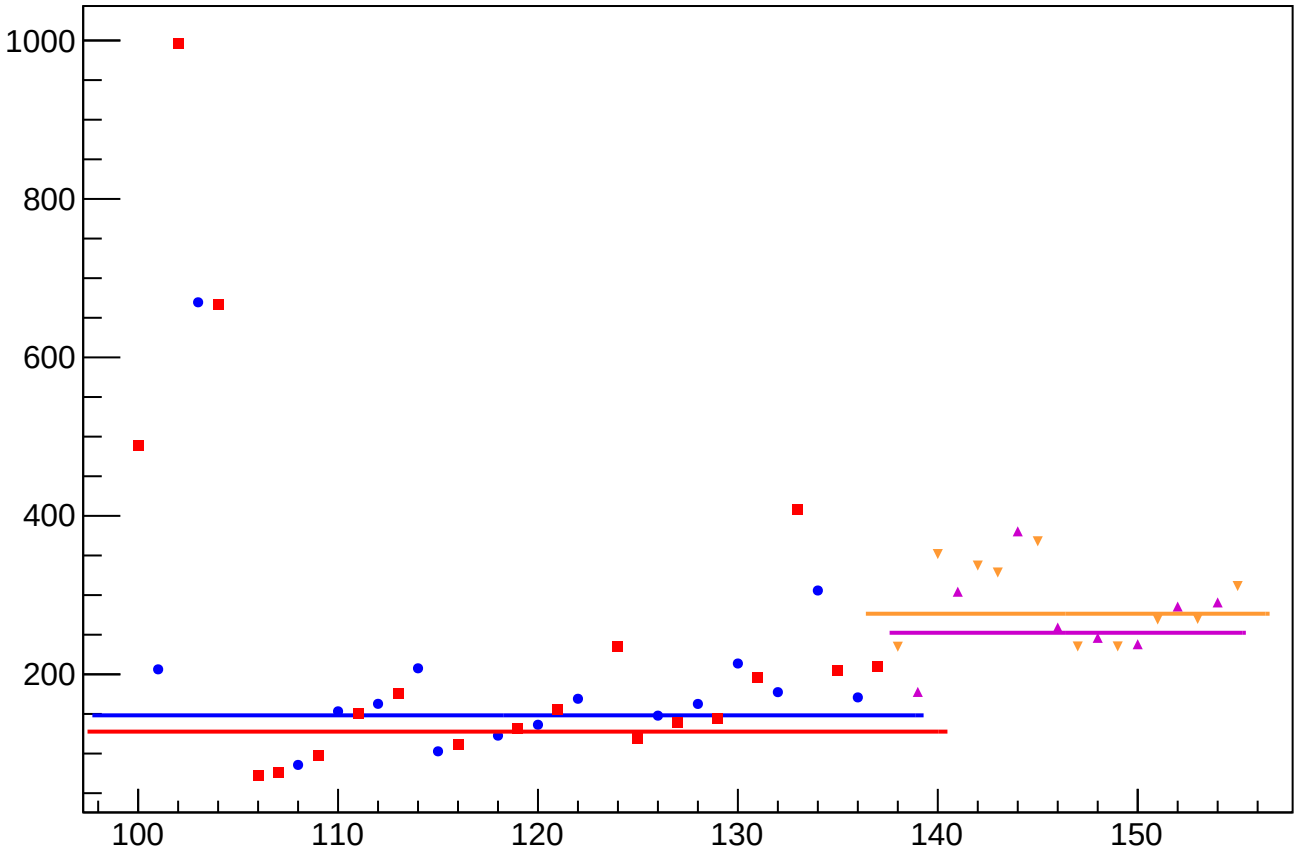
Left: -0.008+/-0.070 χ^2/NDF: 22.3/17

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.067+/-0.051 χ^2/NDF:18.3/23

Out: -0.082+/-0.048 χ^2/NDF:32.1/28

All: -0.012+/-0.035 χ^2/NDF: 55.0/52



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 276.488+/-0.071 χ^2/NDF:413412.6/9

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 252.445+/-0.070 χ^2/NDF:582631.1/7

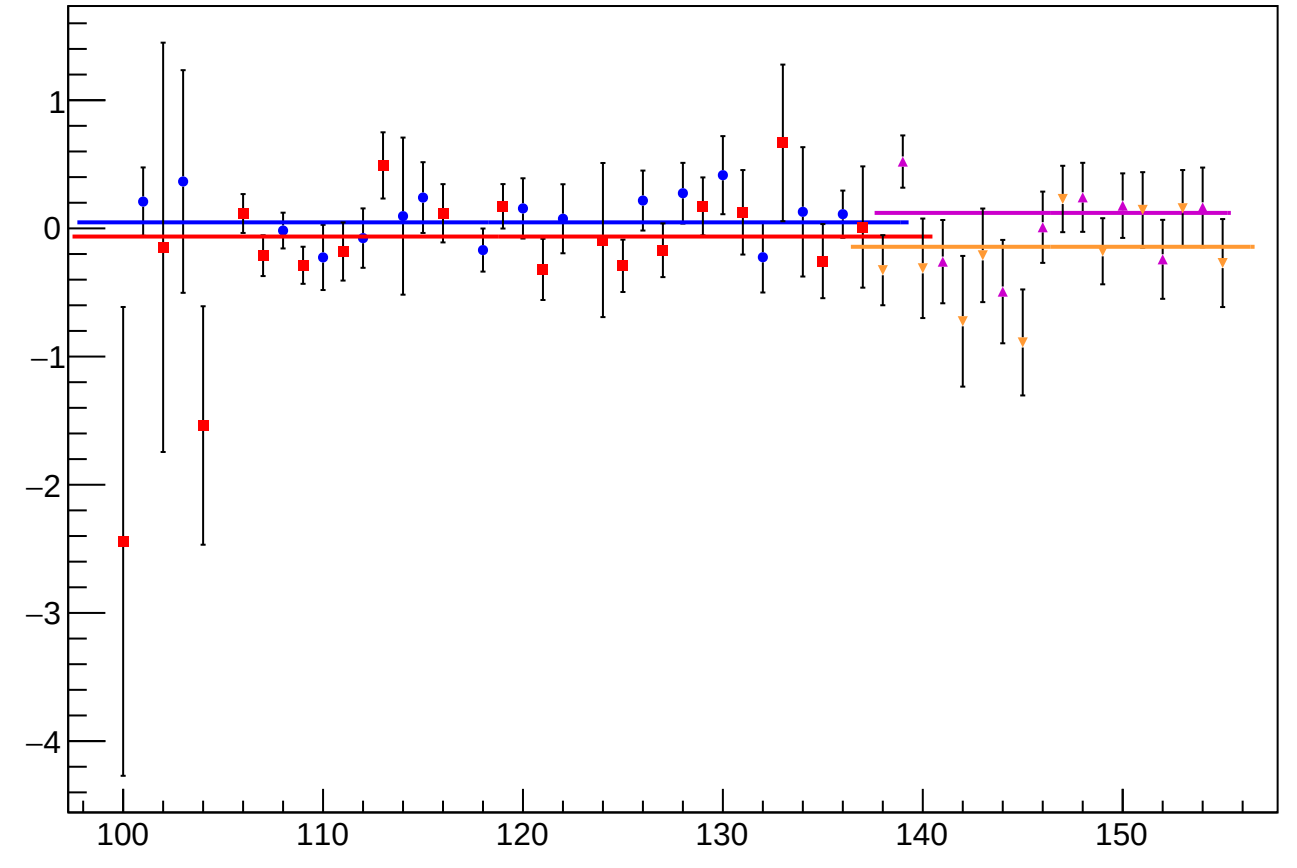
Left: 264.190+/-0.050 χ^2/NDF: 1054243.9/17

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 176.459+/-0.036 χ^2/NDF:3924754.3/23

Out: 161.503+/-0.034 χ^2/NDF:6622986.6/28

All: 168.499+/-0.025 χ^2/NDF: 10638356.4/52



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.144+/-0.101 χ^2/NDF:9.4/9

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.121+/-0.099 χ^2/NDF:9.4/7

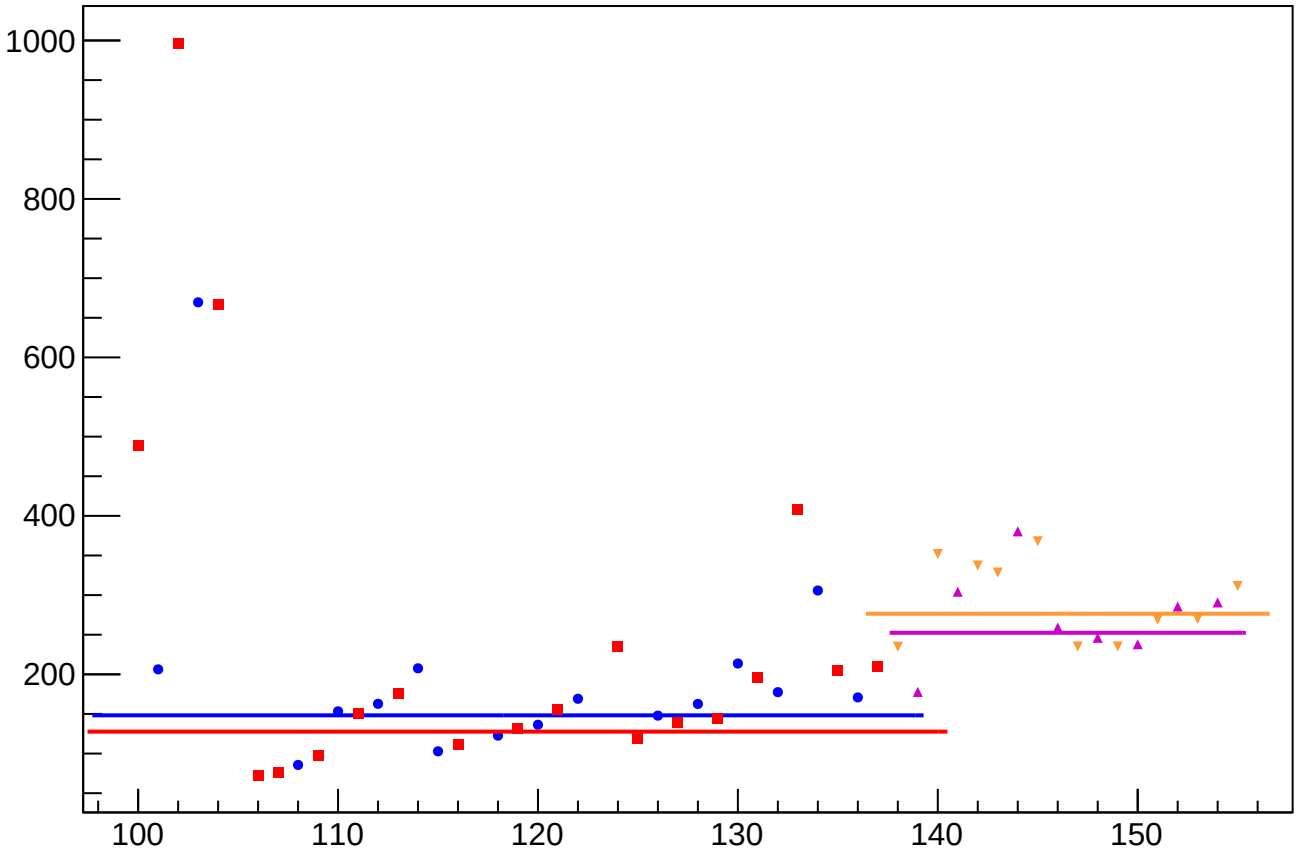
Left: -0.008+/-0.070 χ^2/NDF: 22.3/17

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.067+/-0.051 χ^2/NDF:18.3/23

Out: -0.082+/-0.048 χ^2/NDF:32.1/28

All: -0.012+/-0.035 χ^2/NDF: 55.0/52



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 276.488+/-0.071 χ^2/NDF:413412.6/9

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 252.445+/-0.070 χ^2/NDF:582631.1/7

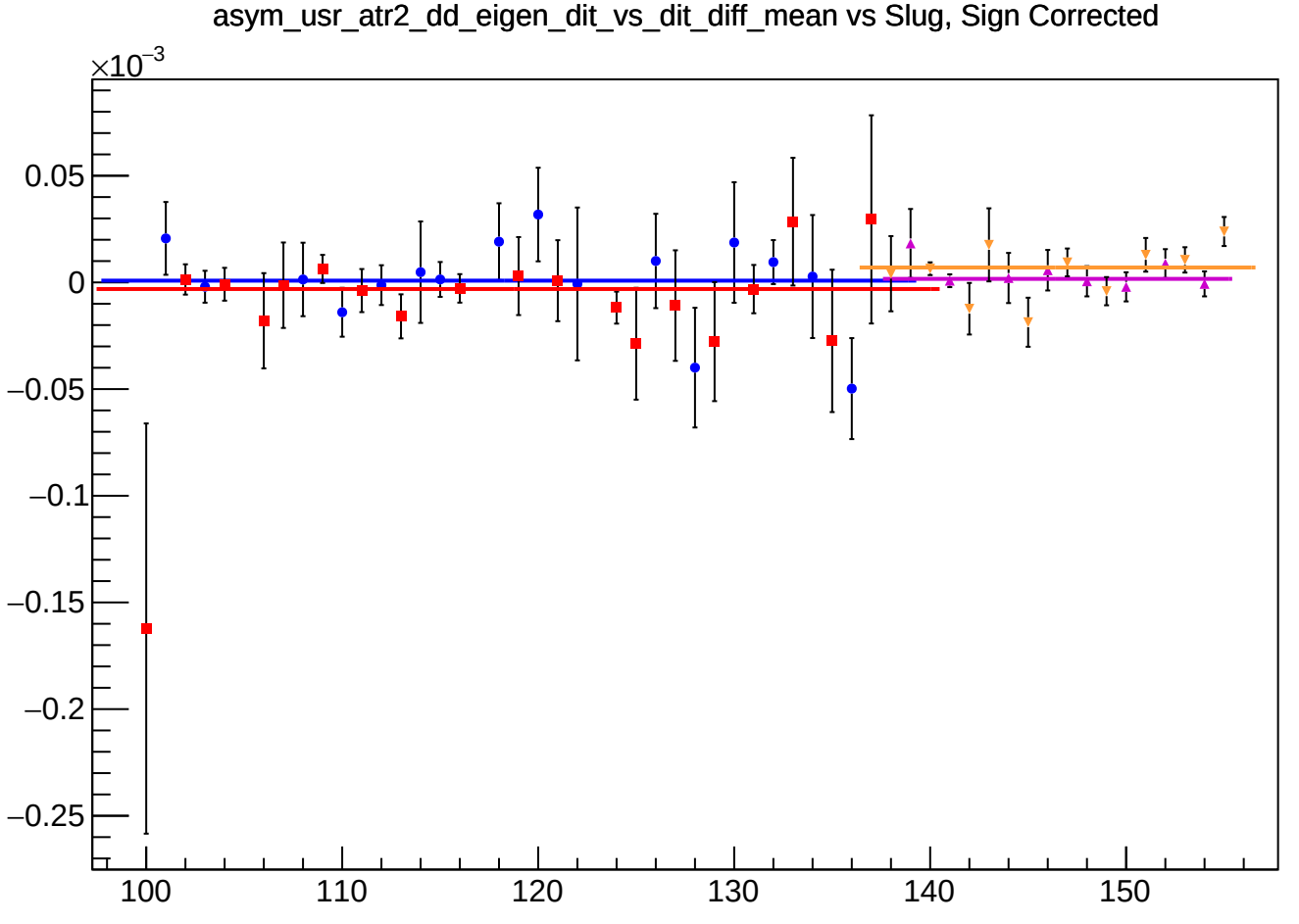
Left: 264.190+/-0.050 χ^2/NDF: 1054243.9/17

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 176.459+/-0.036 χ^2/NDF:3924754.3/23

Out: 161.503+/-0.034 χ^2/NDF:6622986.6/28

All: 168.499+/-0.025 χ^2/NDF: 10638356.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.0/9

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/7

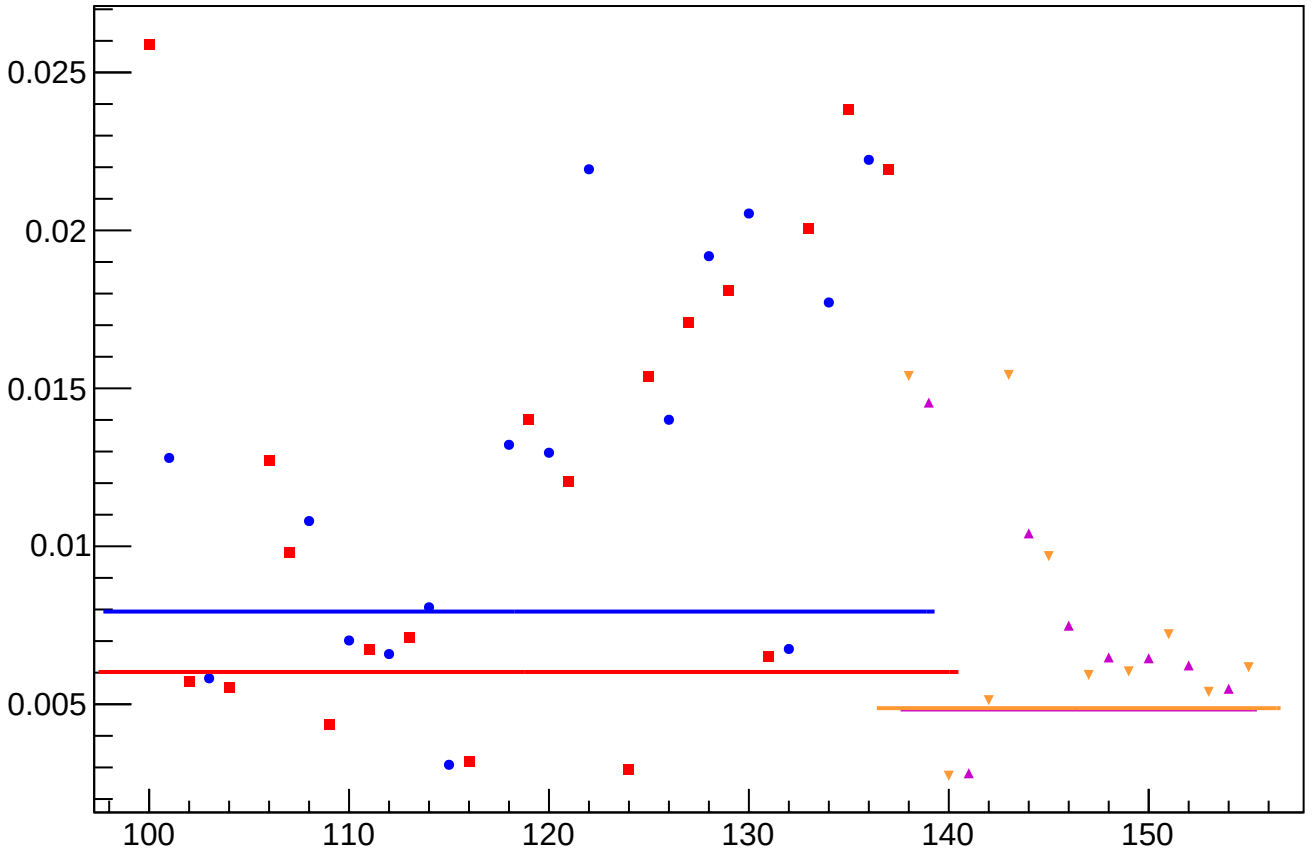
Left: 0.000+/-0.000 χ^2/NDF: 24.3/17

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:17.2/23

Out: 0.000+/-0.000 χ^2/NDF:39.9/28

All: 0.000+/-0.000 χ^2/NDF: 57.7/52



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:3222990.2/9

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:2564754.1/7

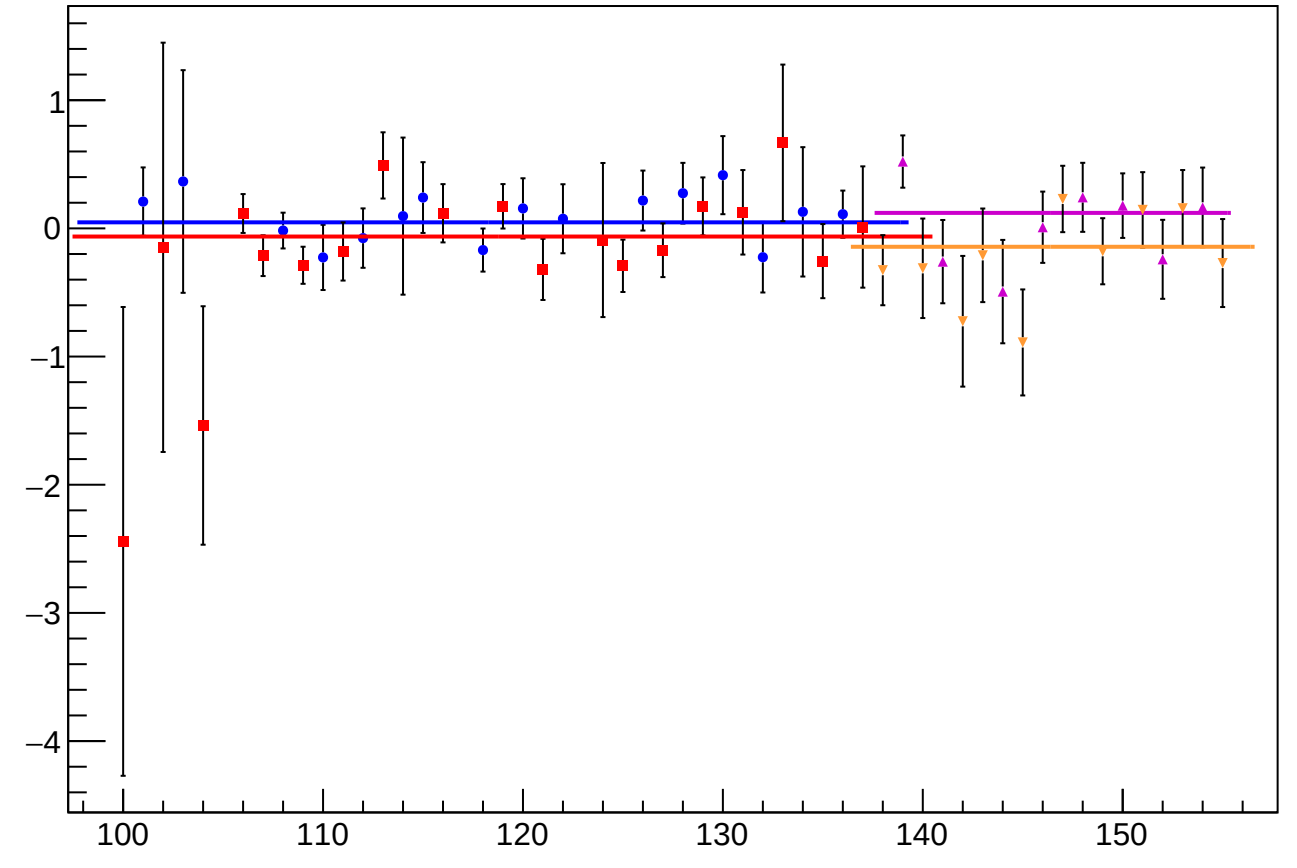
Left: 0.005+/-0.000 χ^2/NDF: 5788151.4/17

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:7312786.9/23

Out: 0.005+/-0.000 χ^2/NDF:7470758.4/28

All: 0.005+/-0.000 χ^2/NDF: 14831220.3/52



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.144+/-0.101 χ^2/NDF:9.4/9

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.121+/-0.099 χ^2/NDF:9.4/7

Left: -0.008+/-0.070 χ^2/NDF: 22.3/17

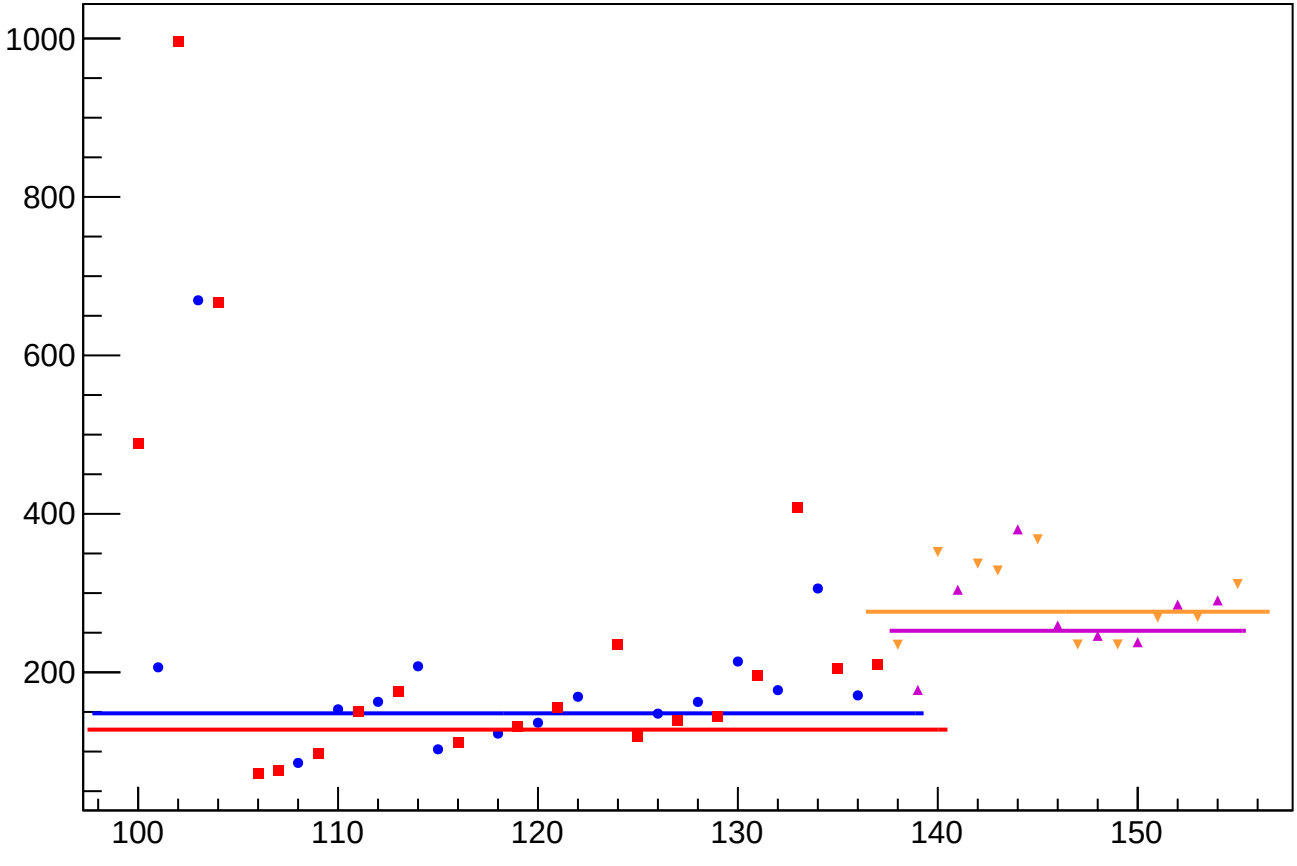
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.067+/-0.051 χ^2/NDF:18.3/23

Out: -0.082+/-0.048 χ^2/NDF:32.1/28

All: -0.012+/-0.035 χ^2/NDF: 55.0/52

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: 276.491+/-0.071 χ^2/NDF:413386.1/9

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 252.449+/-0.070 χ^2/NDF:582592.1/7

Left: 264.193+/-0.050 χ^2/NDF: 1054177.5/17

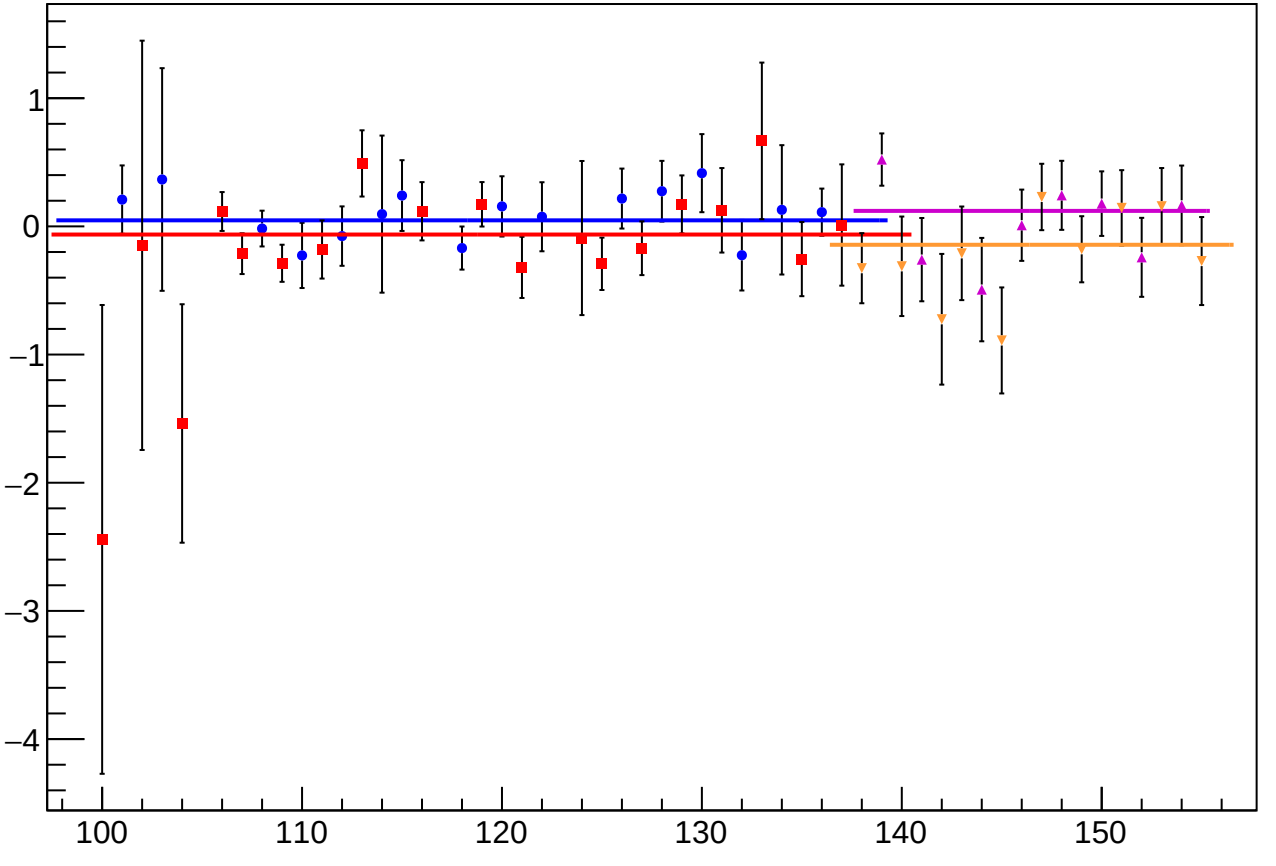
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 176.458+/-0.036 χ^2/NDF:3924948.6/23

Out: 161.504+/-0.034 χ^2/NDF:6623031.8/28

All: 168.499+/-0.025 χ^2/NDF: 10638570.1/52

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: -0.144+/-0.101 χ^2/NDF:9.4/9

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.121+/-0.099 χ^2/NDF:9.4/7

Left: -0.008+/-0.070 χ^2/NDF: 22.3/17

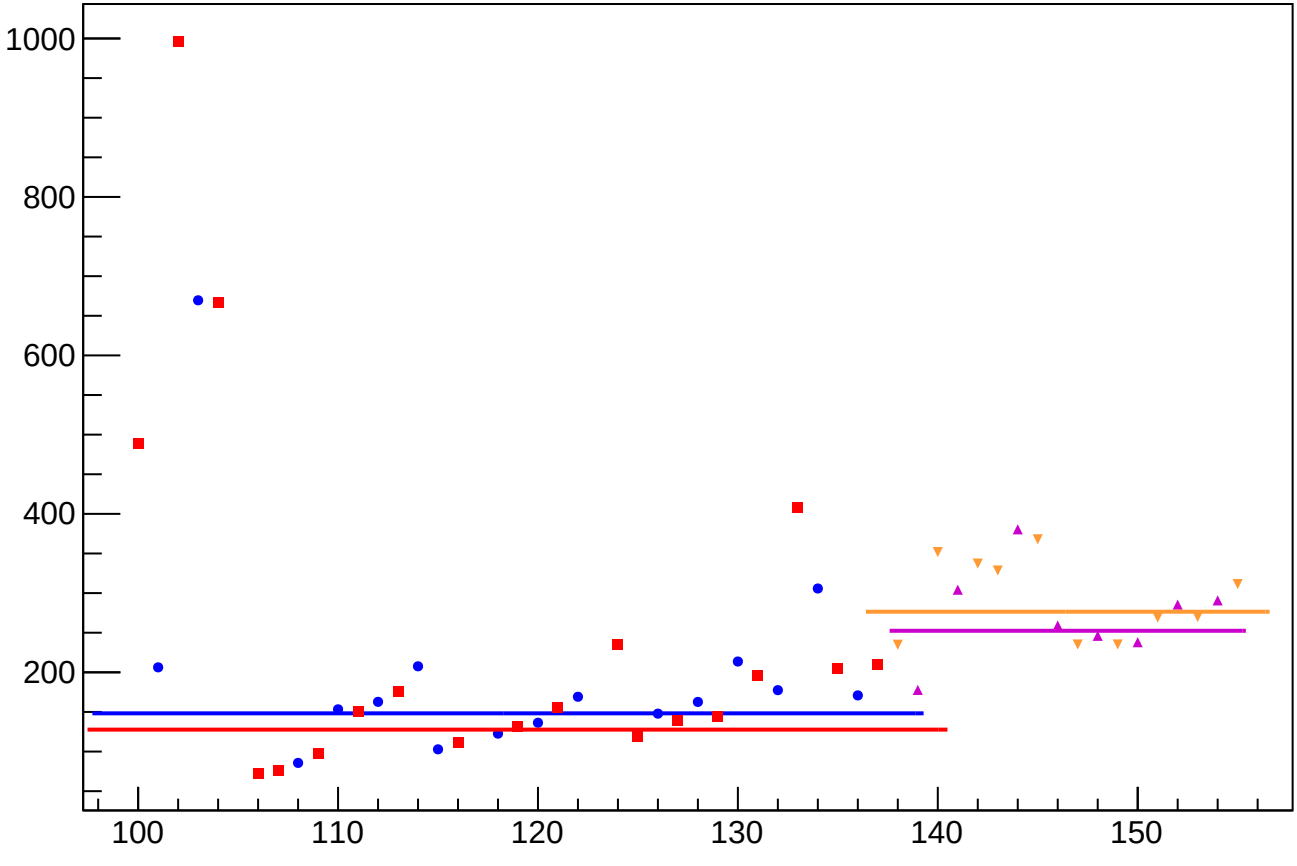
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.067+/-0.051 χ^2/NDF:18.3/23

Out: -0.082+/-0.048 χ^2/NDF:32.1/28

All: -0.012+/-0.035 χ^2/NDF: 55.0/52

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: 276.491+/-0.071 χ^2/NDF:413386.1/9

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 252.449+/-0.070 χ^2/NDF:582592.1/7

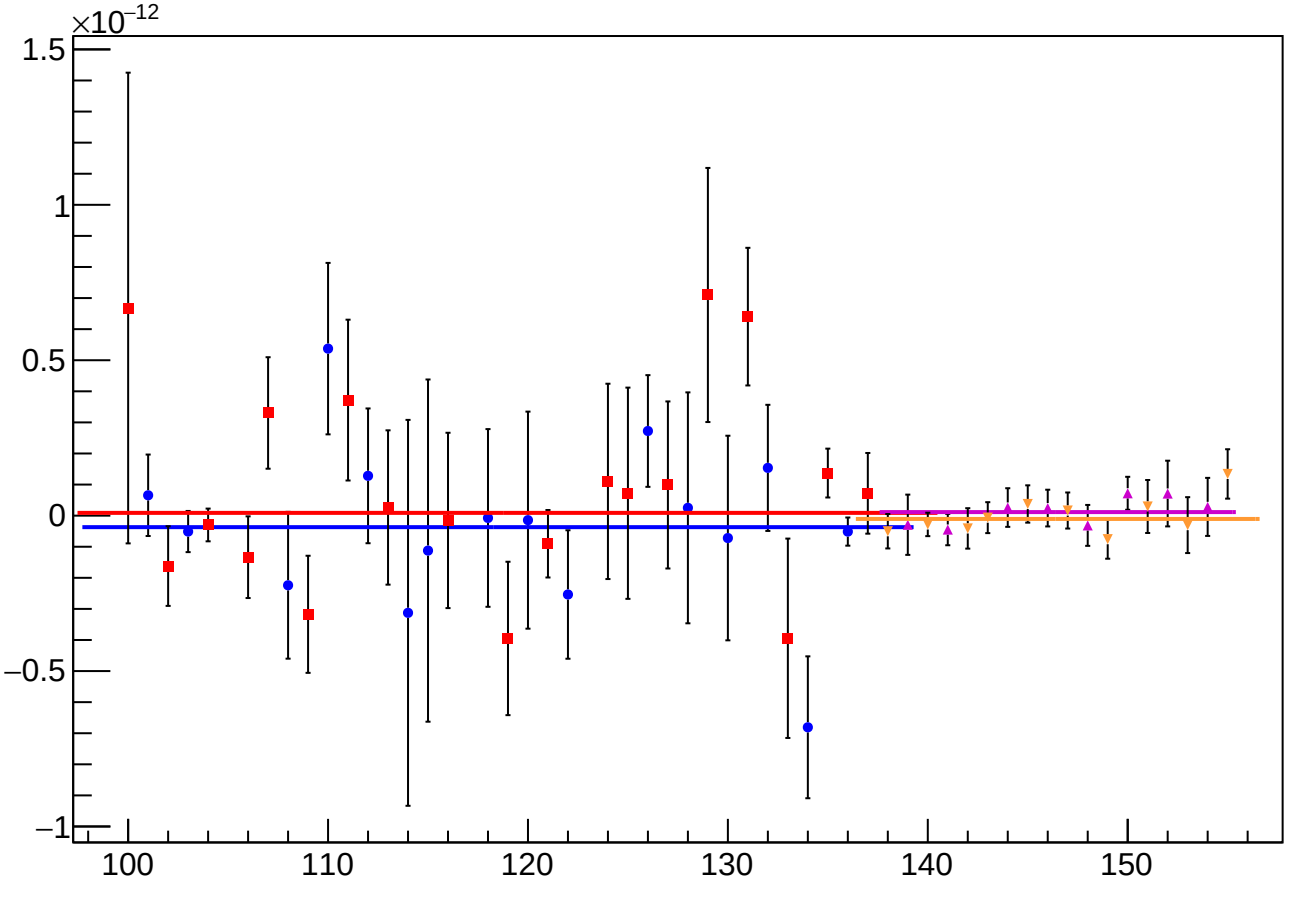
Left: 264.193+/-0.050 χ^2/NDF: 1054177.5/17

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 176.458+/-0.036 χ^2/NDF:3924948.6/23

Out: 161.504+/-0.034 χ^2/NDF:6623031.8/28

All: 168.499+/-0.025 χ^2/NDF: 10638570.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/7

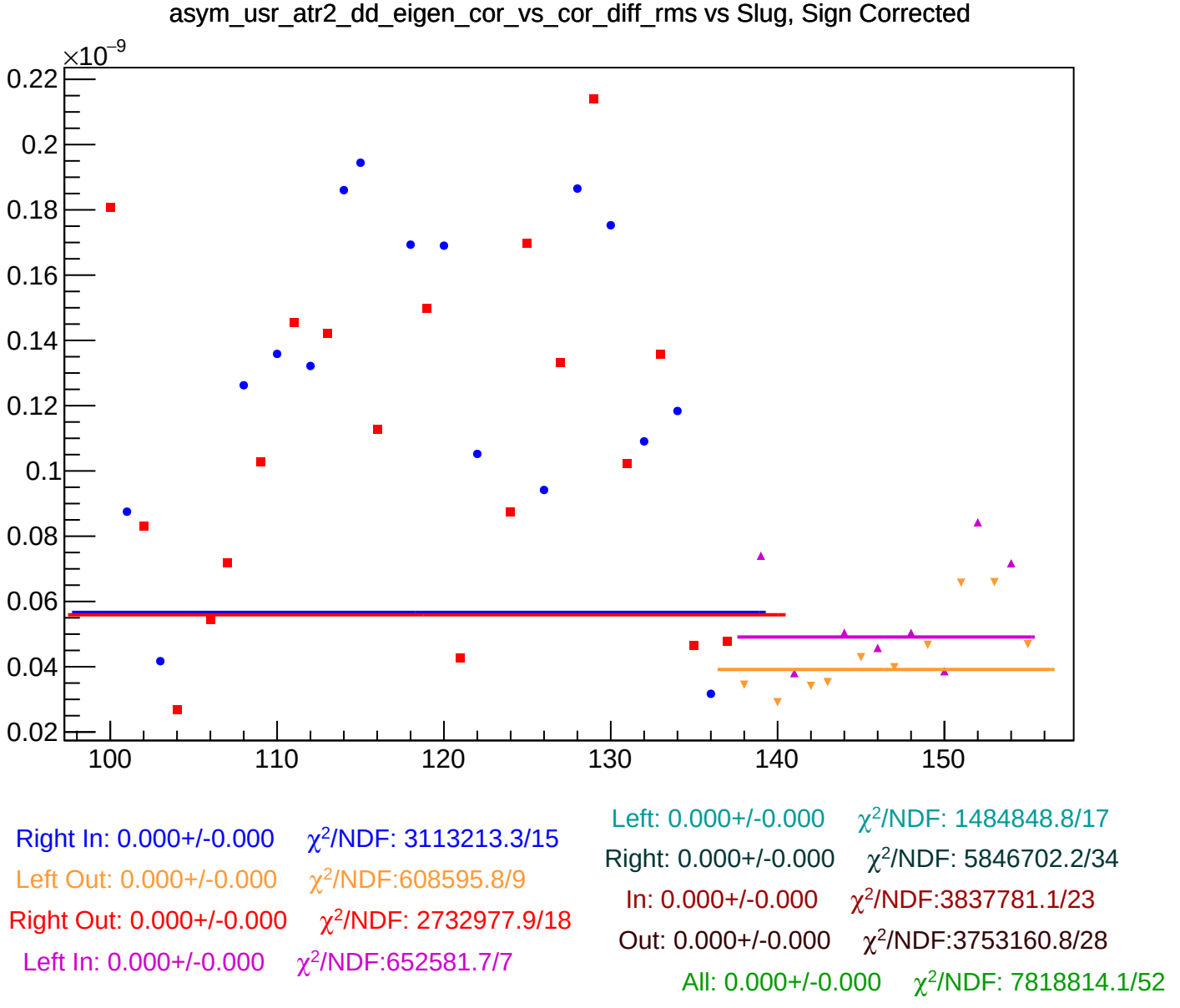
Left: -0.000+/-0.000 χ^2/NDF: 10.6/17

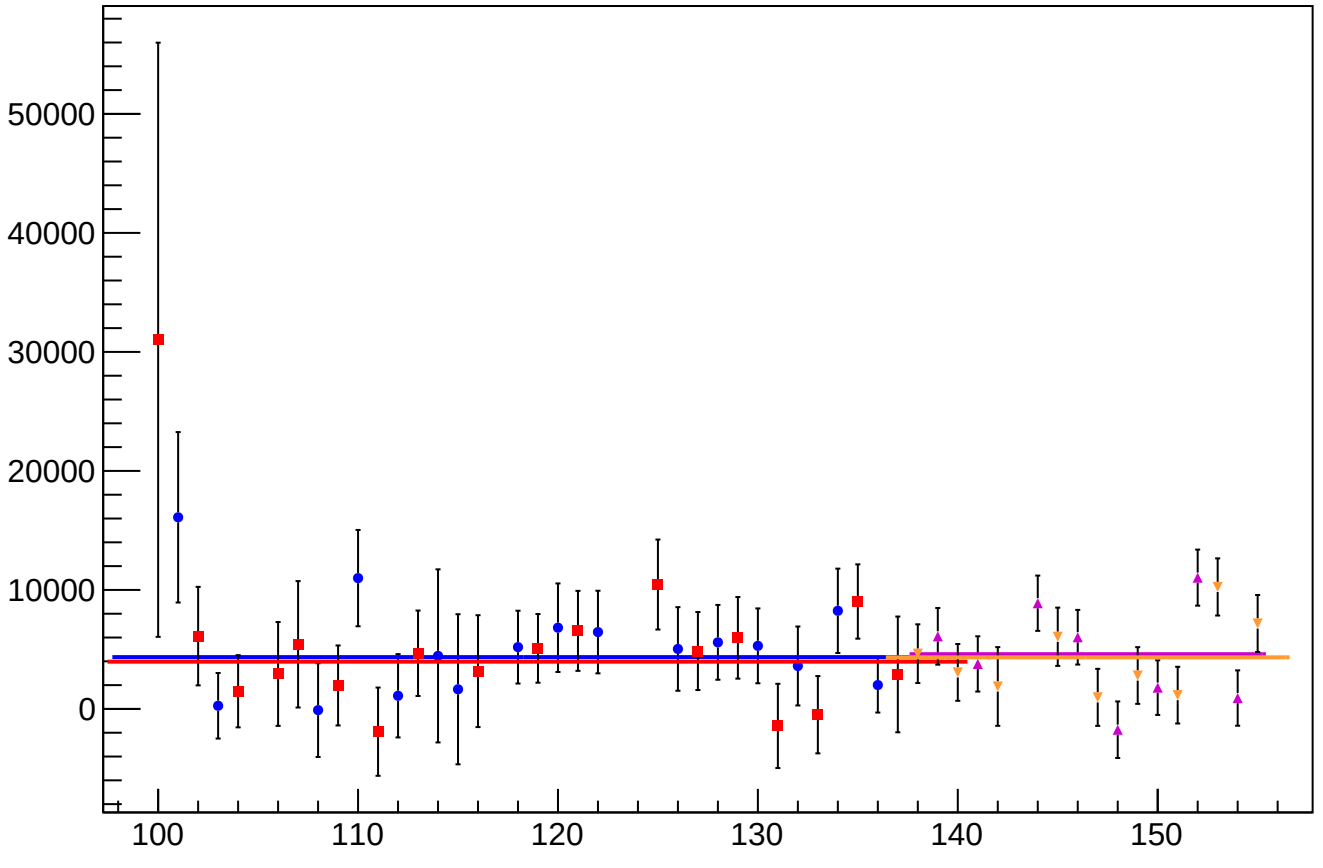
Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: -0.000+/-0.000 χ^2/NDF:24.6/23

Out: -0.000+/-0.000 χ^2/NDF:38.5/28

All: -0.000+/-0.000 χ^2/NDF: 63.1/52


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:608595.8/9
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:652581.7/7
Left: 0.000+/-0.000 χ²/NDF: 1484848.8/17
Right: 0.000+/-0.000 χ²/NDF: 5846702.2/34
In: 0.000+/-0.000 χ²/NDF:3837781.1/23
Out: 0.000+/-0.000 χ²/NDF:3753160.8/28
All: 0.000+/-0.000 χ²/NDF: 7818814.1/52



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4335.337+/-824.034 χ^2/NDF:13.0/8

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4599.462+/-825.072 χ^2/NDF:22.9/7

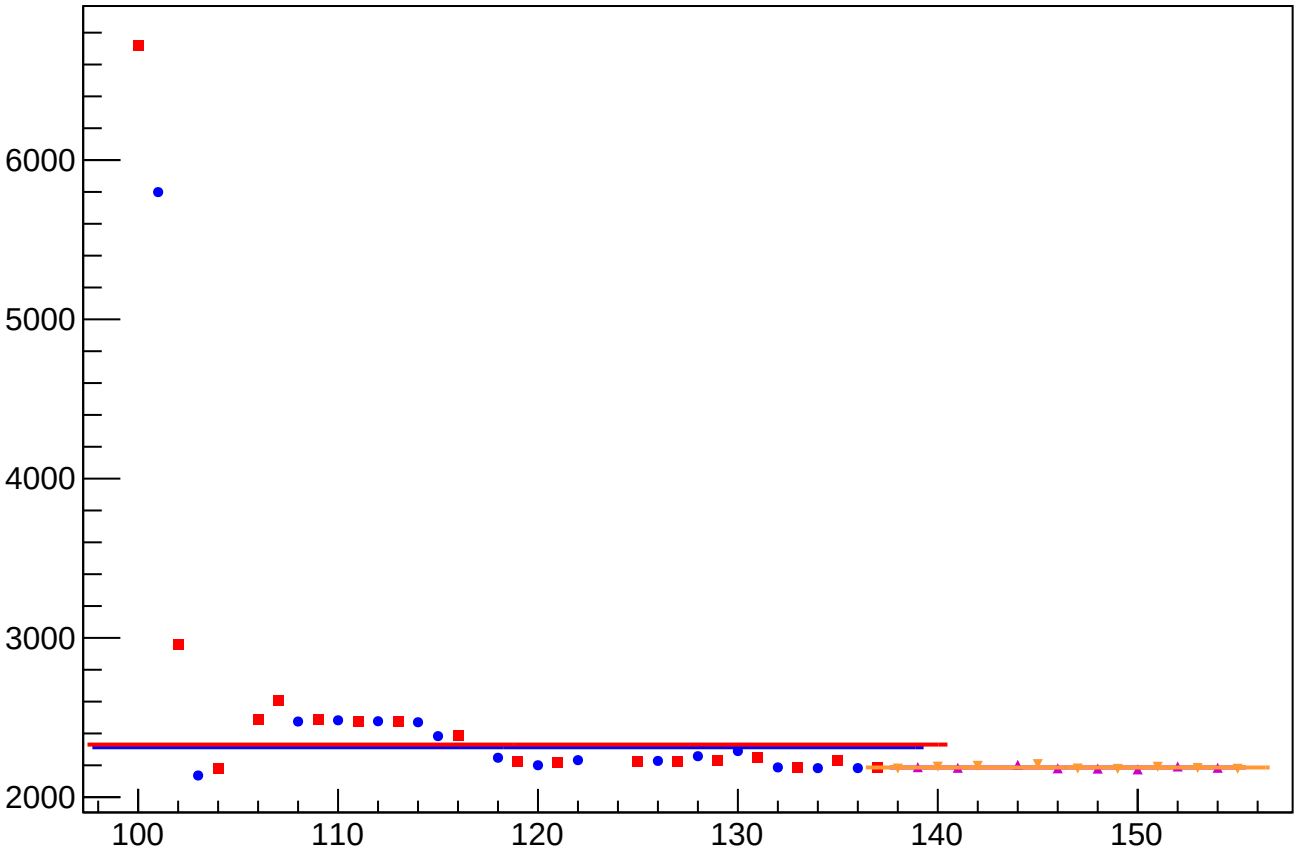
Left: 4467.233+/-583.047 χ^2/NDF: 35.9/16

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4484.120+/-600.339 χ^2/NDF:36.3/23

Out: 4163.640+/-598.694 χ^2/NDF:29.2/26

All: 4323.440+/-423.921 χ^2/NDF: 65.7/50



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.337+/-0.583 χ^2/NDF:269.6/8

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2186.188+/-0.583 χ^2/NDF:211.8/7

Left: 2186.262+/-0.412 χ^2/NDF: 481.4/16

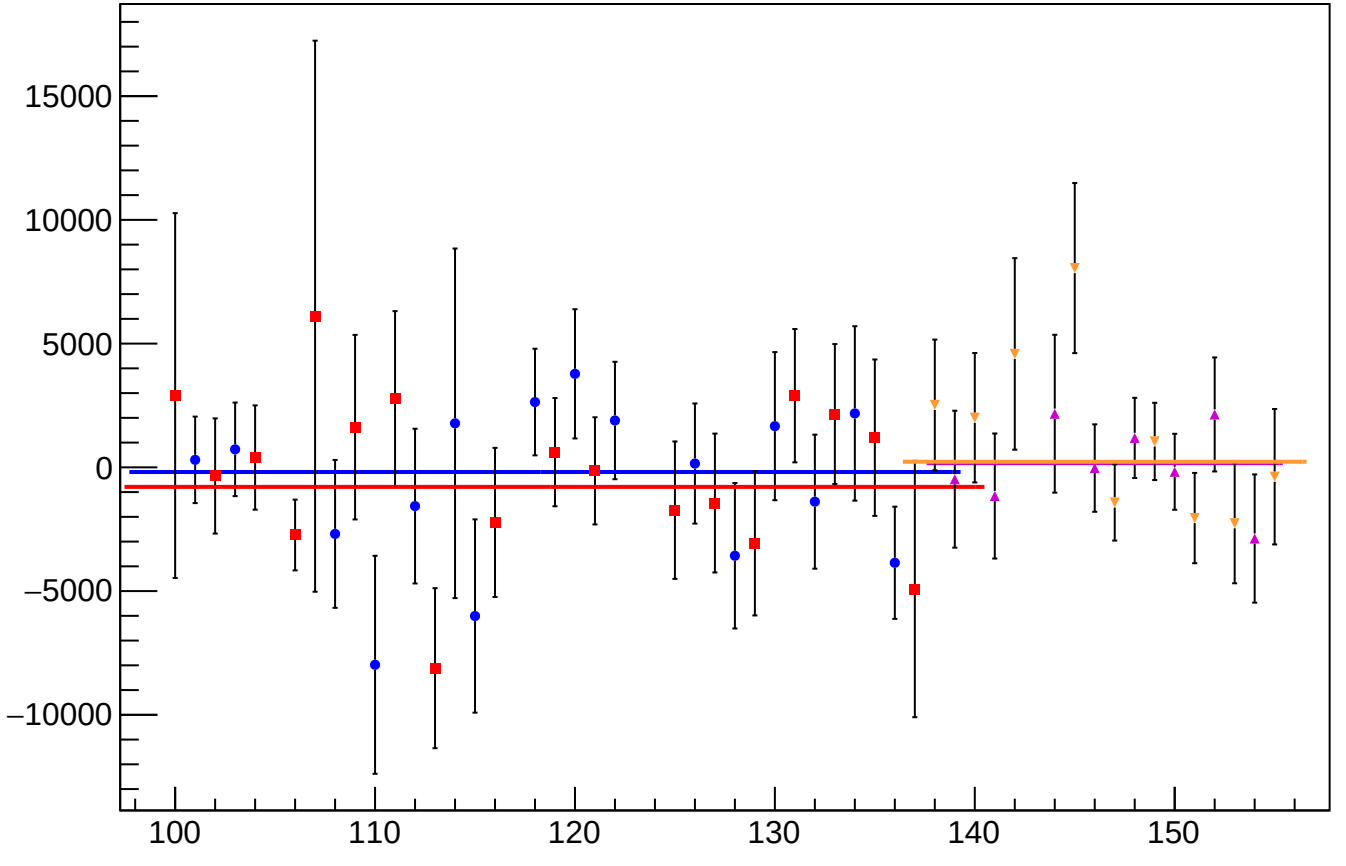
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2246.056+/-0.425 χ^2/NDF:534961.4/23

Out: 2254.261+/-0.423 χ^2/NDF:180261.7/26

All: 2250.170+/-0.300 χ^2/NDF: 715410.4/50

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: 226.794+/-729.972 χ^2/NDF:11.7/8

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 168.649+/-735.440 χ^2/NDF:3.3/7

Left: 197.939+/-518.090 χ^2/NDF: 15.0/16

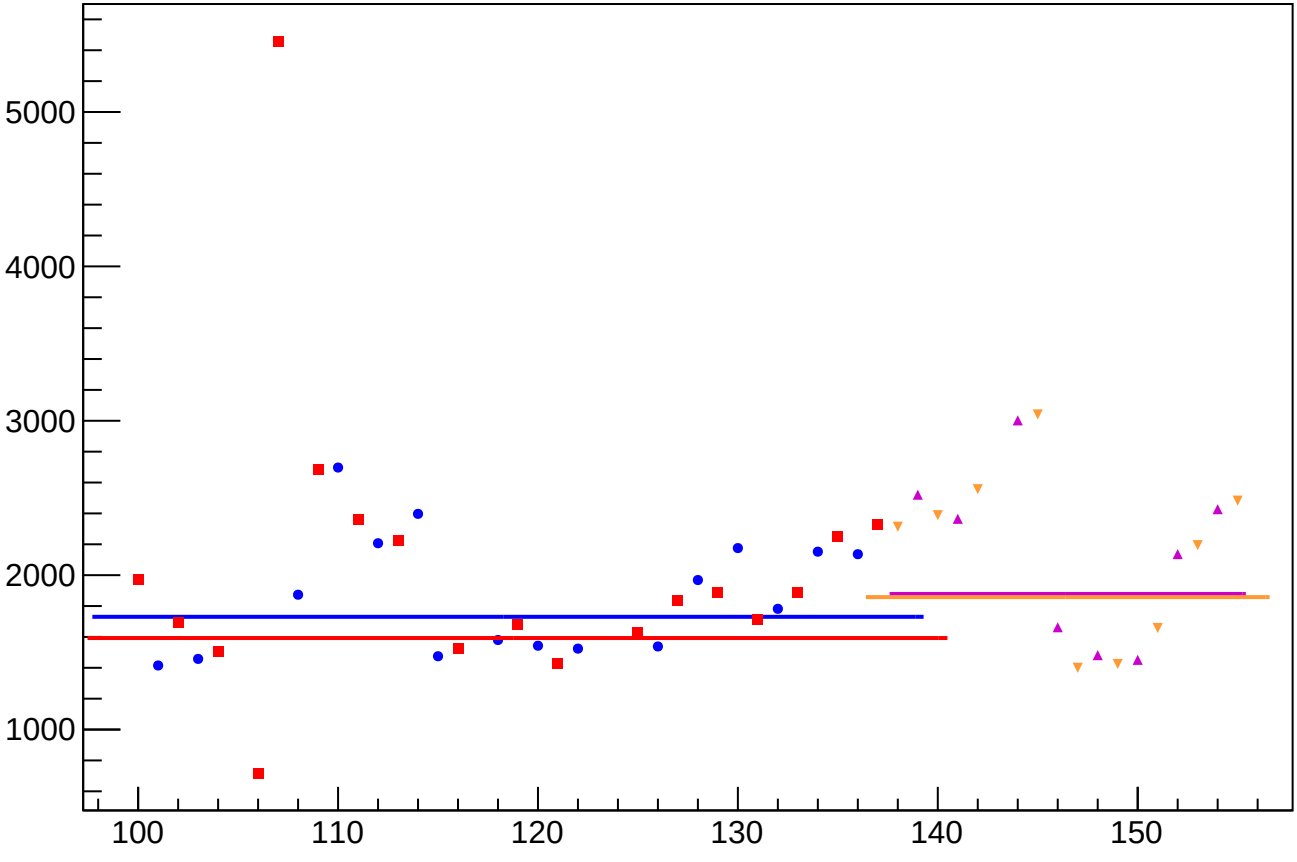
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: -29.712+/-490.515 χ^2/NDF:19.9/23

Out: -351.698+/-479.053 χ^2/NDF:27.8/26

All: -194.511+/-342.722 χ^2/NDF: 47.8/50

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: 1857.820+/-0.516 χ^2/NDF:941574.3/8

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1878.295+/-0.520 χ^2/NDF:849936.4/7

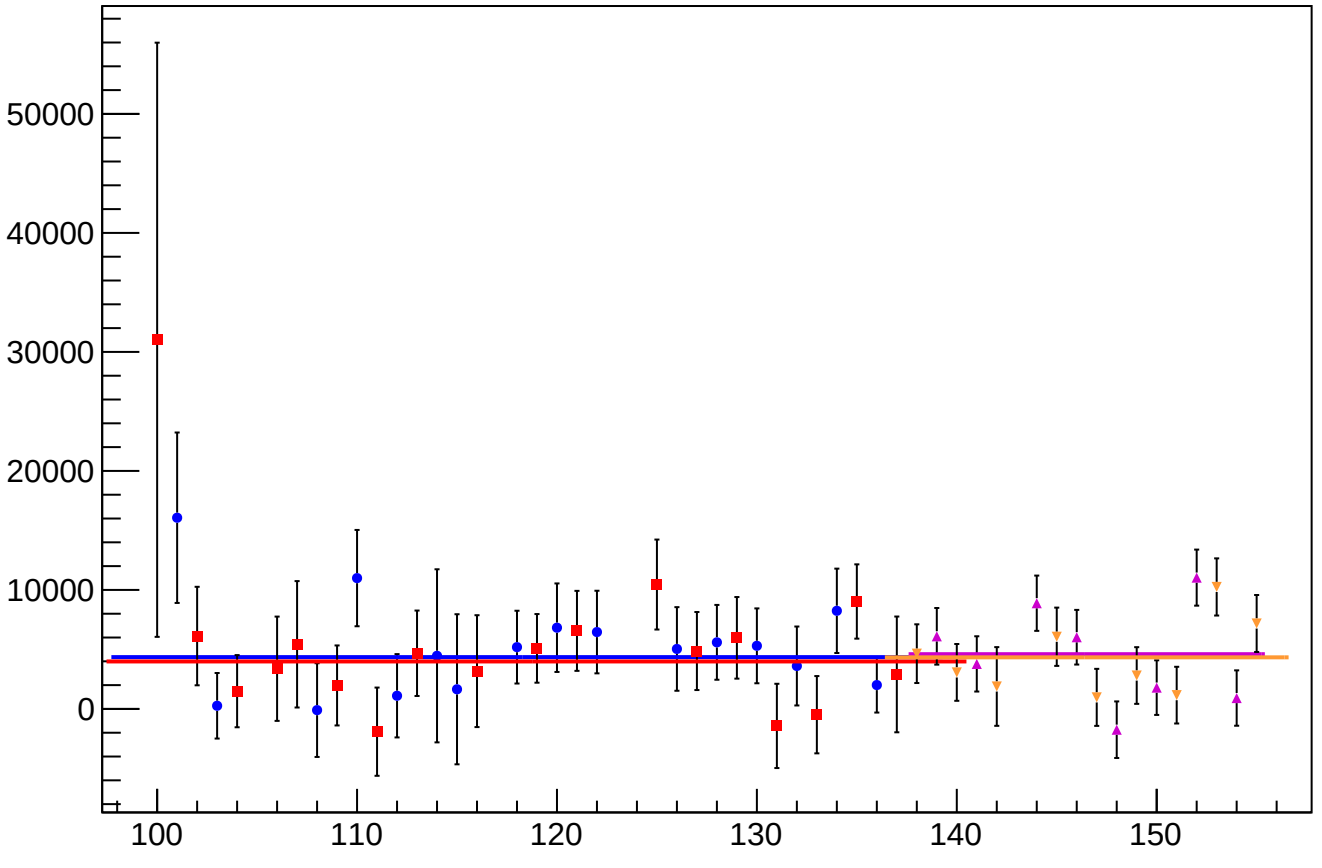
Left: 1867.981+/-0.366 χ^2/NDF: 1792291.6/16

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1796.128+/-0.347 χ^2/NDF:1373837.8/23

Out: 1706.953+/-0.339 χ^2/NDF:2647835.2/26

All: 1750.487+/-0.242 χ^2/NDF: 4055505.7/50



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4335.172+/-824.034 χ^2/NDF:13.0/8

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4599.789+/-825.072 χ^2/NDF:22.9/7

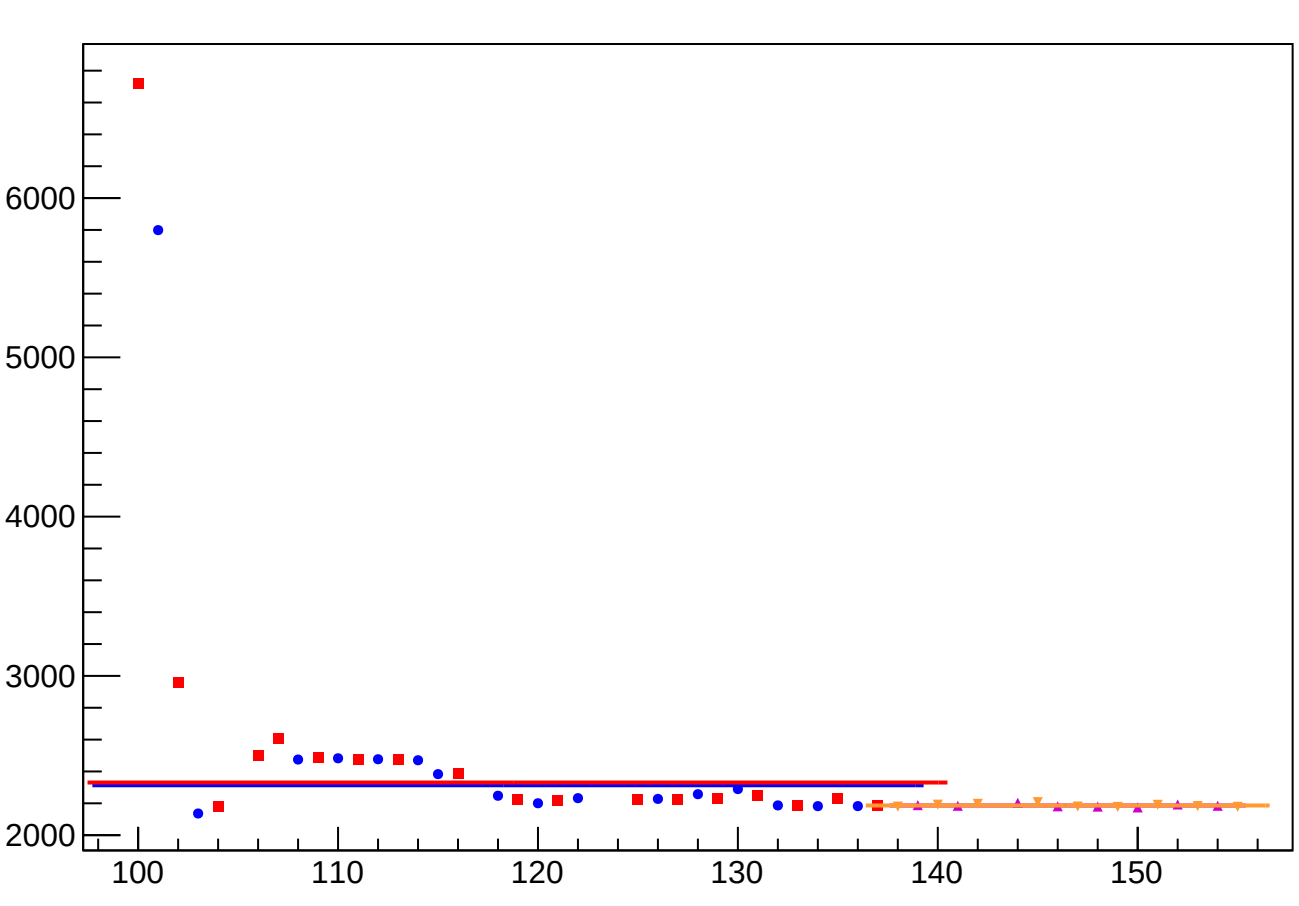
Left: 4467.314+/-583.047 χ^2/NDF: 35.9/16

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4483.973+/-600.339 χ^2/NDF:36.3/23

Out: 4172.178+/-598.743 χ^2/NDF:29.2/26

All: 4327.660+/-423.938 χ^2/NDF: 65.6/50



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.337+/-0.583 χ^2/NDF:269.6/8

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.188+/-0.583 χ^2/NDF:211.8/7

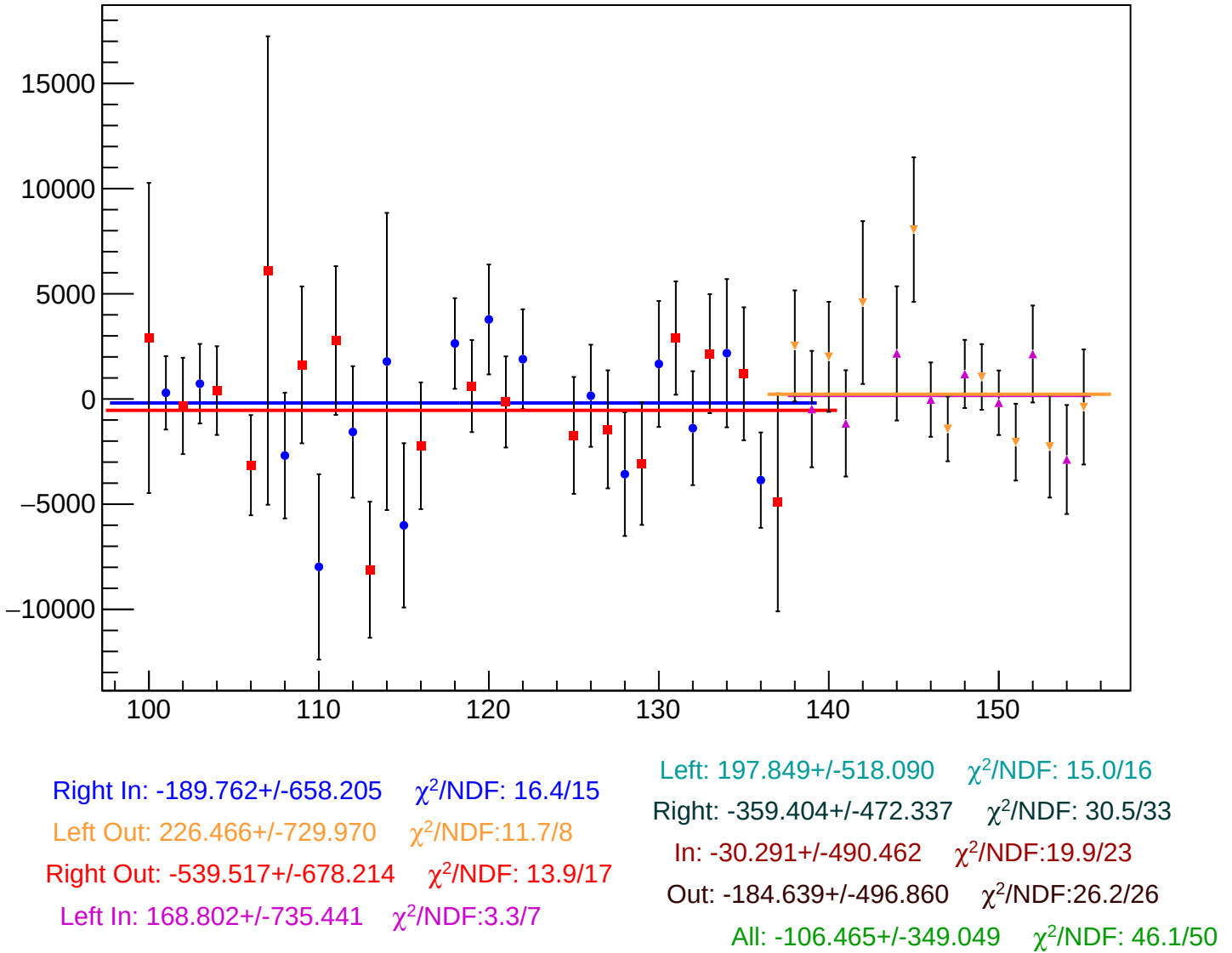
Left: 2186.262+/-0.412 χ^2/NDF: 481.4/16

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

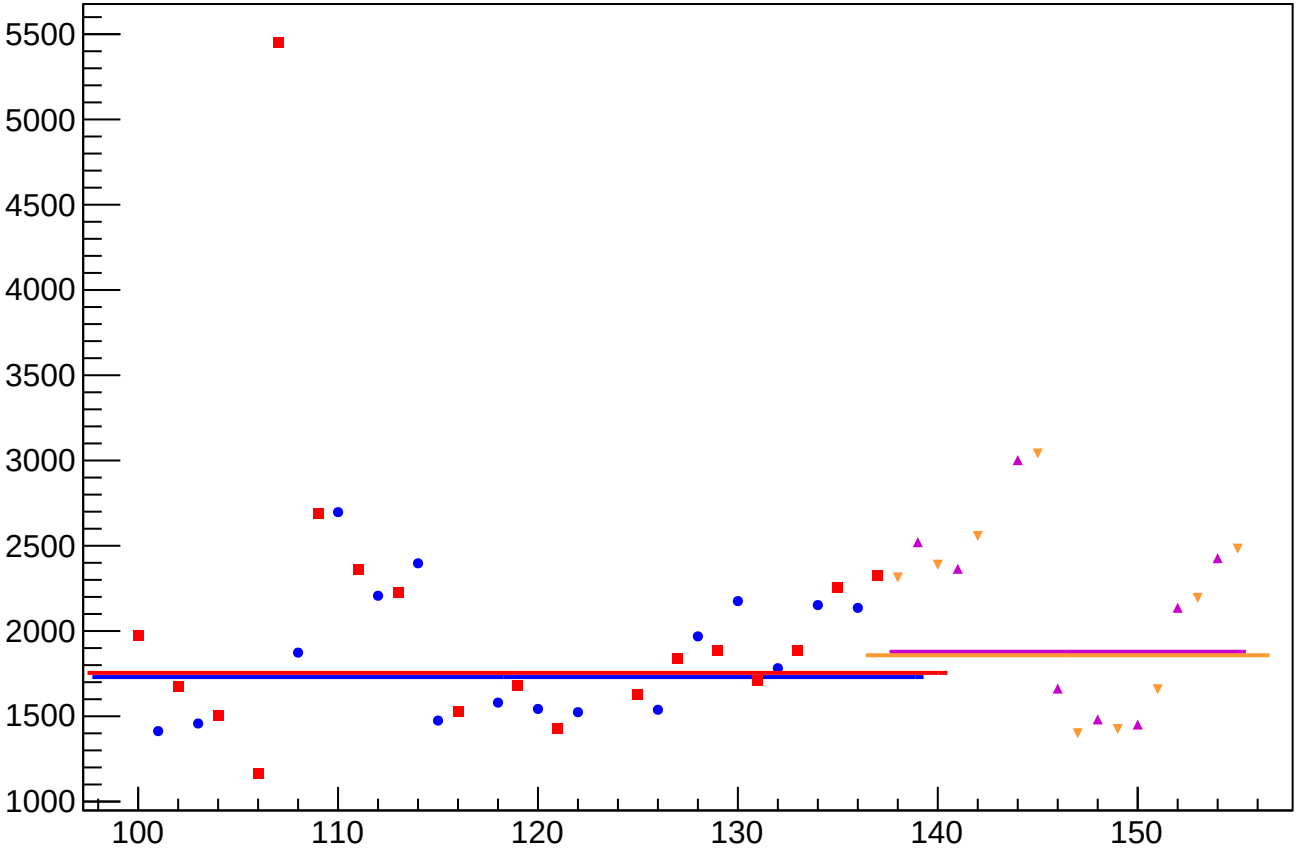
In: 2246.056+/-0.425 χ^2/NDF:534961.9/23

Out: 2254.423+/-0.423 χ^2/NDF:180750.5/26

All: 2250.250+/-0.300 χ^2/NDF: 715907.1/50


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 226.466+/-729.970 χ²/NDF:11.7/8
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 168.802+/-735.441 χ²/NDF:3.3/7
Left: 197.849+/-518.090 χ²/NDF: 15.0/16
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: -30.291+/-490.462 χ²/NDF:19.9/23
Out: -184.639+/-496.860 χ²/NDF:26.2/26
All: -106.465+/-349.049 χ²/NDF: 46.1/50

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: 1857.814+/-0.516 χ^2/NDF:941580.8/8

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1878.300+/-0.520 χ^2/NDF:849941.2/7

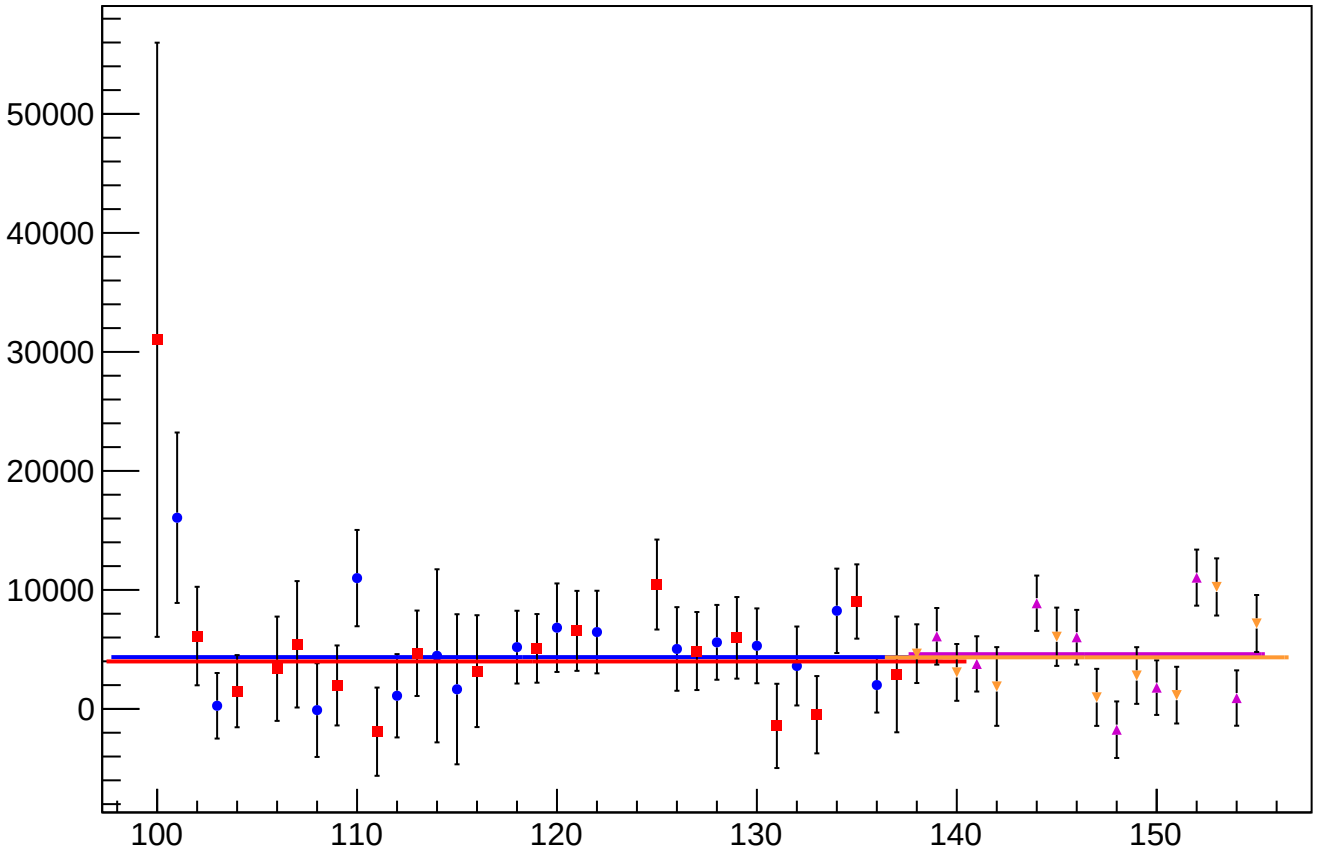
Left: 1867.981+/-0.366 χ^2/NDF: 1792303.7/16

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1795.900+/-0.347 χ^2/NDF:1375056.3/23

Out: 1802.379+/-0.351 χ^2/NDF:1714081.7/26

All: 1799.098+/-0.247 χ^2/NDF: 3089310.3/50



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4335.172+/-824.034 χ^2/NDF:13.0/8

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4599.789+/-825.072 χ^2/NDF:22.9/7

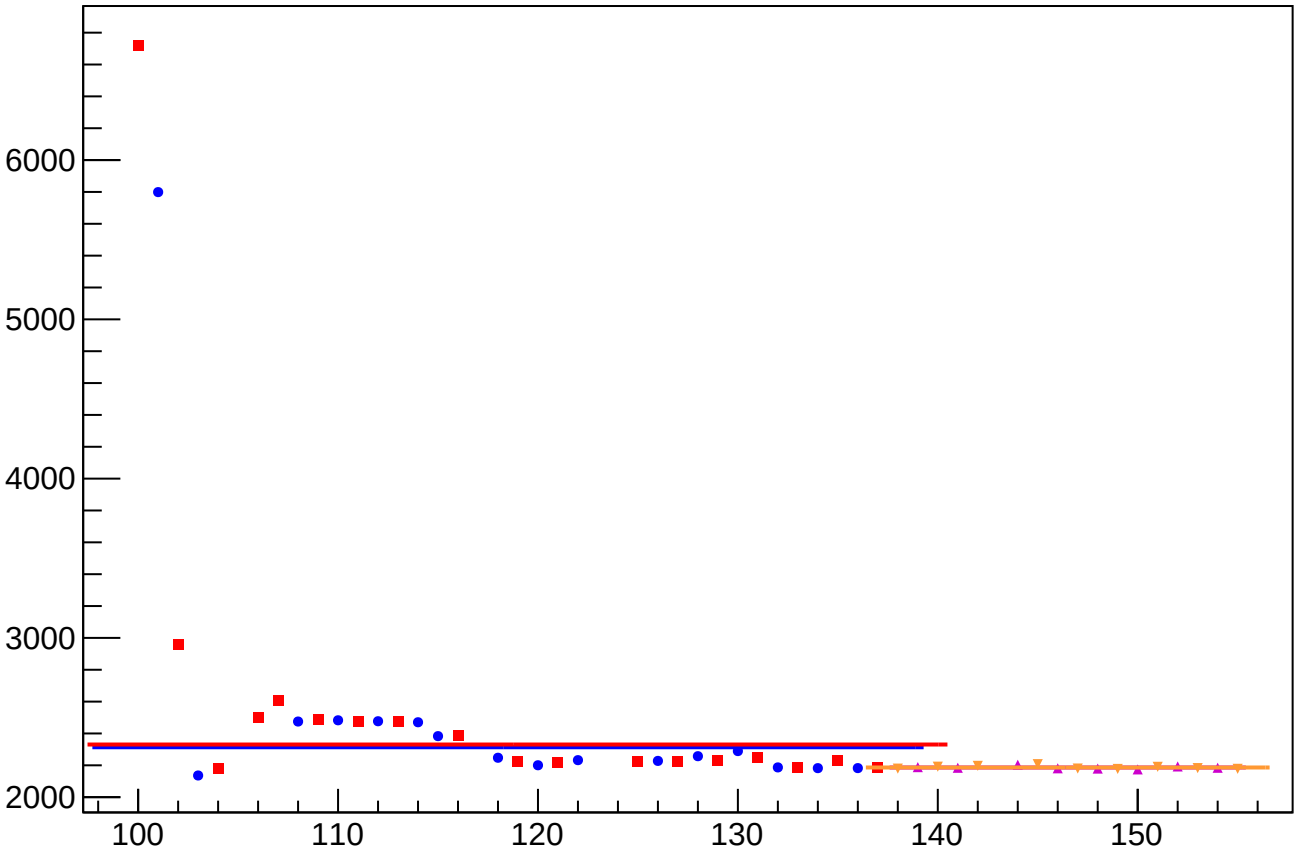
Left: 4467.314+/-583.047 χ^2/NDF: 35.9/16

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4483.973+/-600.339 χ^2/NDF:36.3/23

Out: 4172.178+/-598.743 χ^2/NDF:29.2/26

All: 4327.660+/-423.938 χ^2/NDF: 65.6/50



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.337+/-0.583 χ^2/NDF:269.6/8

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.188+/-0.583 χ^2/NDF:211.8/7

Left: 2186.262+/-0.412 χ^2/NDF: 481.4/16

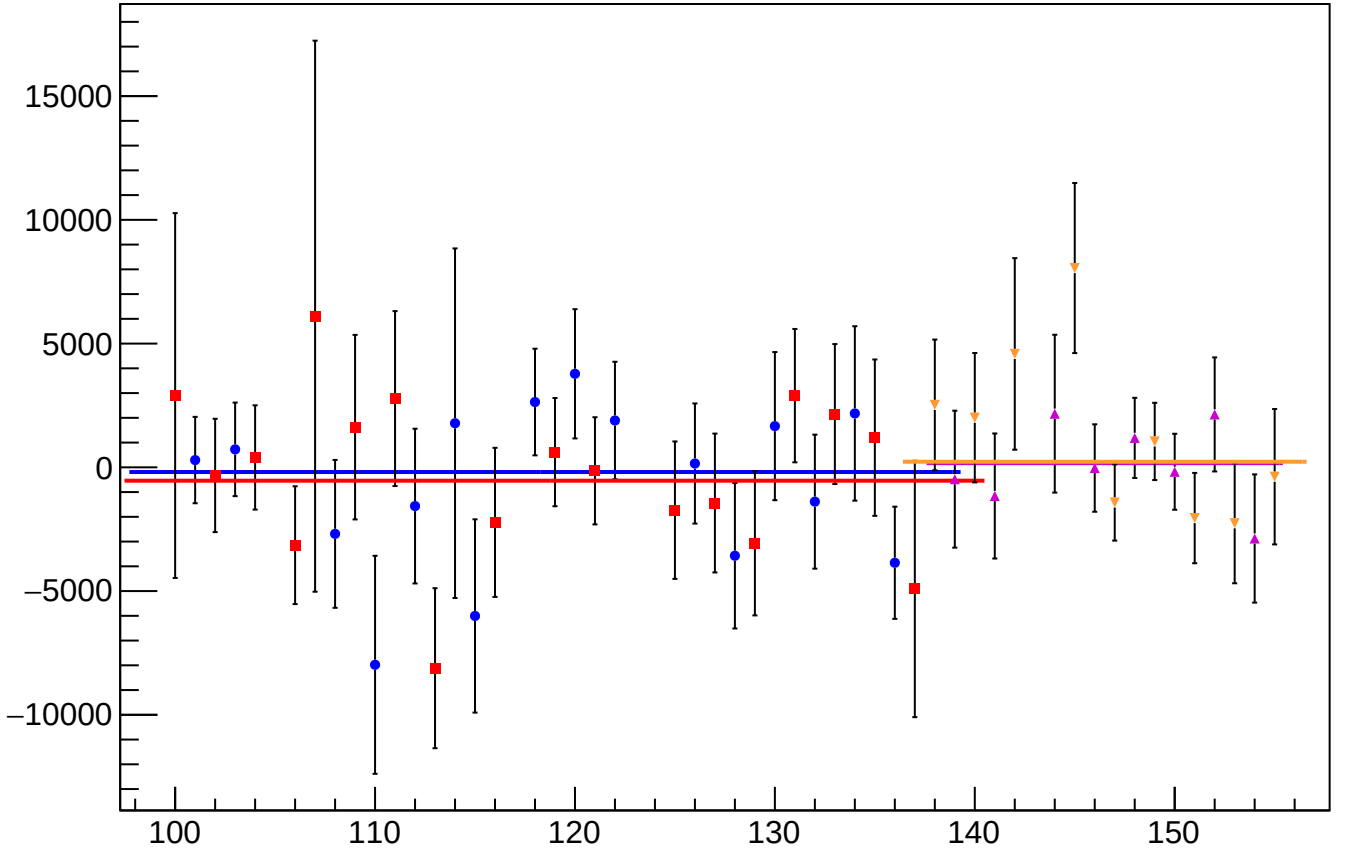
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2246.056+/-0.425 χ^2/NDF:534961.9/23

Out: 2254.423+/-0.423 χ^2/NDF:180750.5/26

All: 2250.250+/-0.300 χ^2/NDF: 715907.1/50

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 226.466+/-729.970 χ^2/NDF:11.7/8

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 168.802+/-735.441 χ^2/NDF:3.3/7

Left: 197.849+/-518.090 χ^2/NDF: 15.0/16

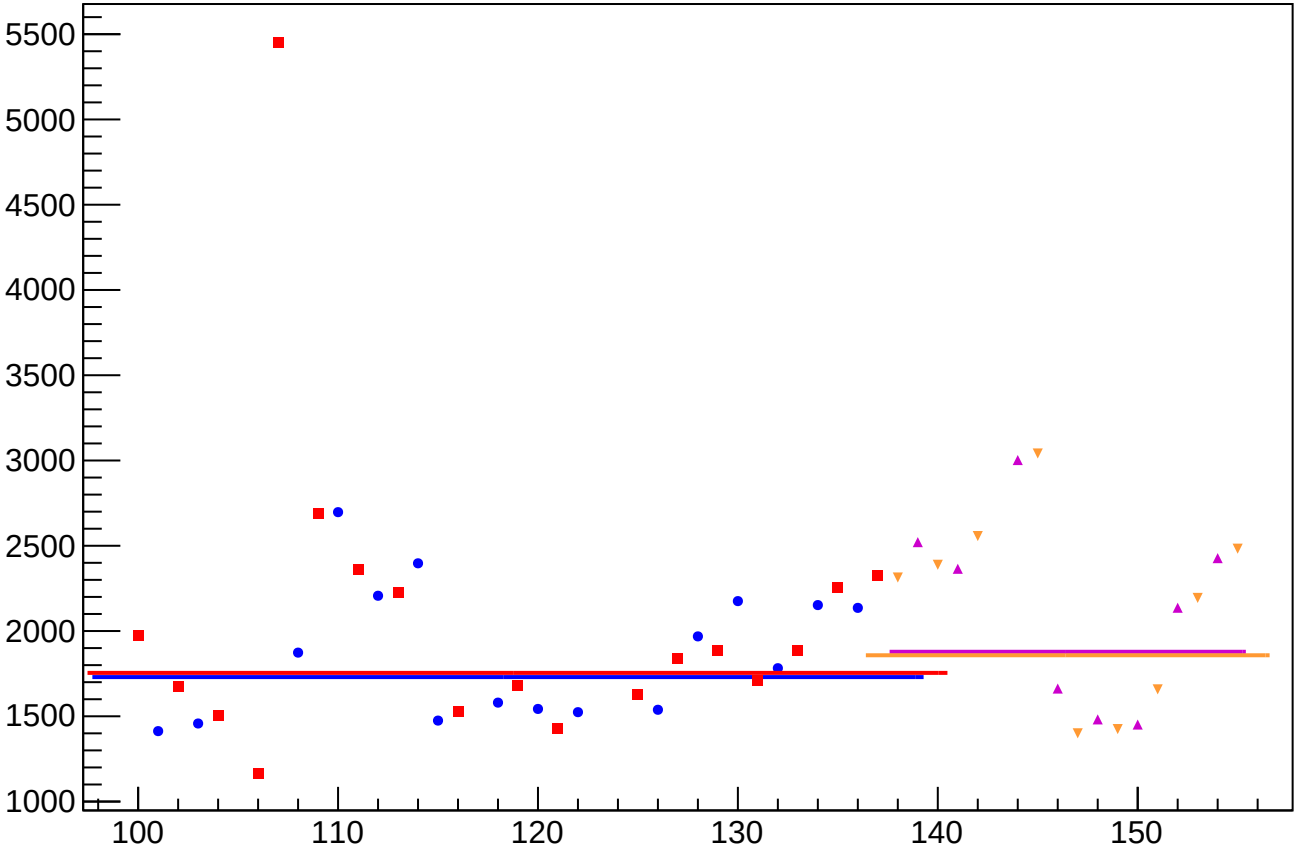
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: -30.291+/-490.462 χ^2/NDF:19.9/23

Out: -184.639+/-496.860 χ^2/NDF:26.2/26

All: -106.465+/-349.049 χ^2/NDF: 46.1/50

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: 1857.814+/-0.516 χ^2/NDF:941580.8/8

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1878.300+/-0.520 χ^2/NDF:849941.2/7

Left: 1867.981+/-0.366 χ^2/NDF: 1792303.7/16

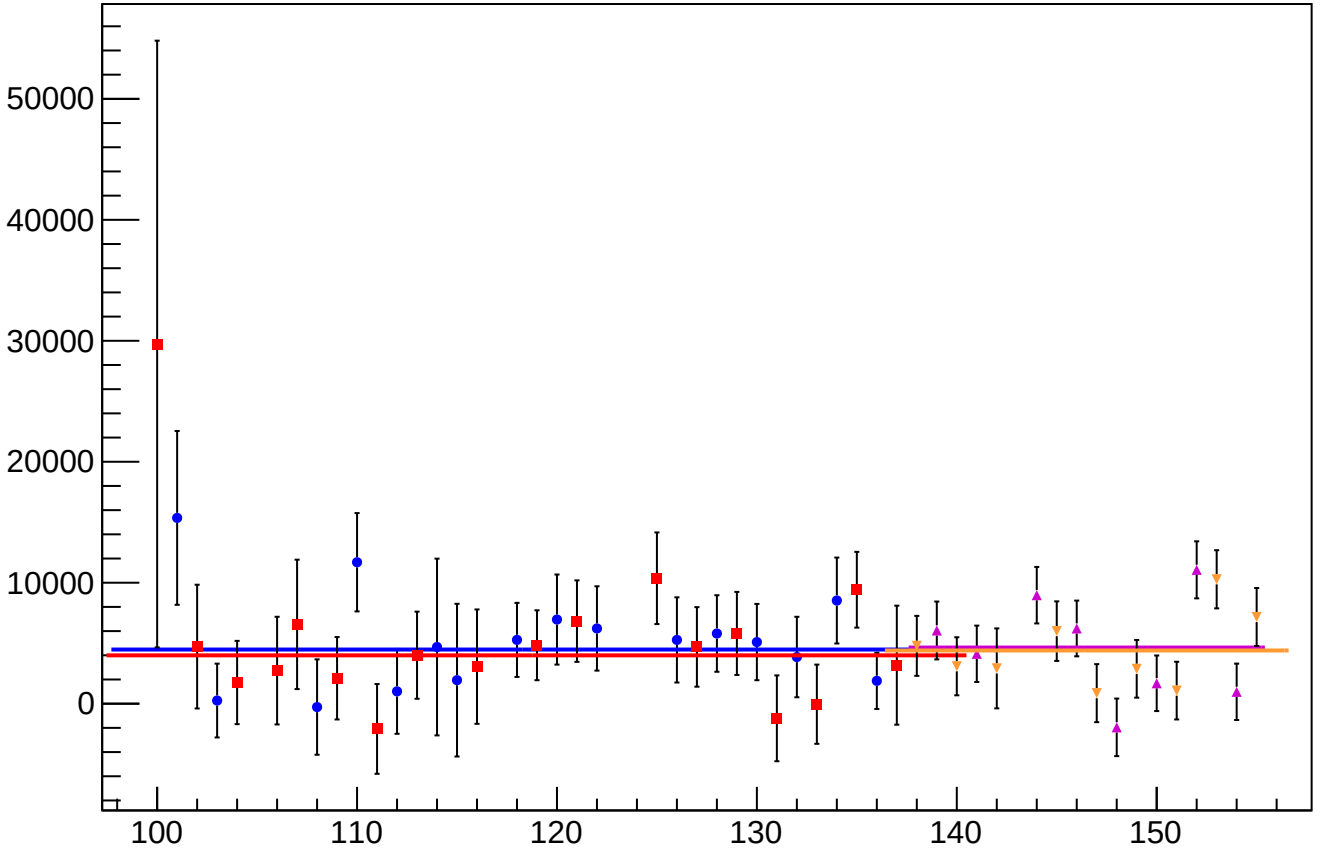
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1795.900+/-0.347 χ^2/NDF:1375056.3/23

Out: 1802.379+/-0.351 χ^2/NDF:1714081.7/26

All: 1799.098+/-0.247 χ^2/NDF: 3089310.3/50

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: 4398.837+/-826.044 χ^2/NDF:12.8/8

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4640.778+/-827.260 χ^2/NDF:23.5/7

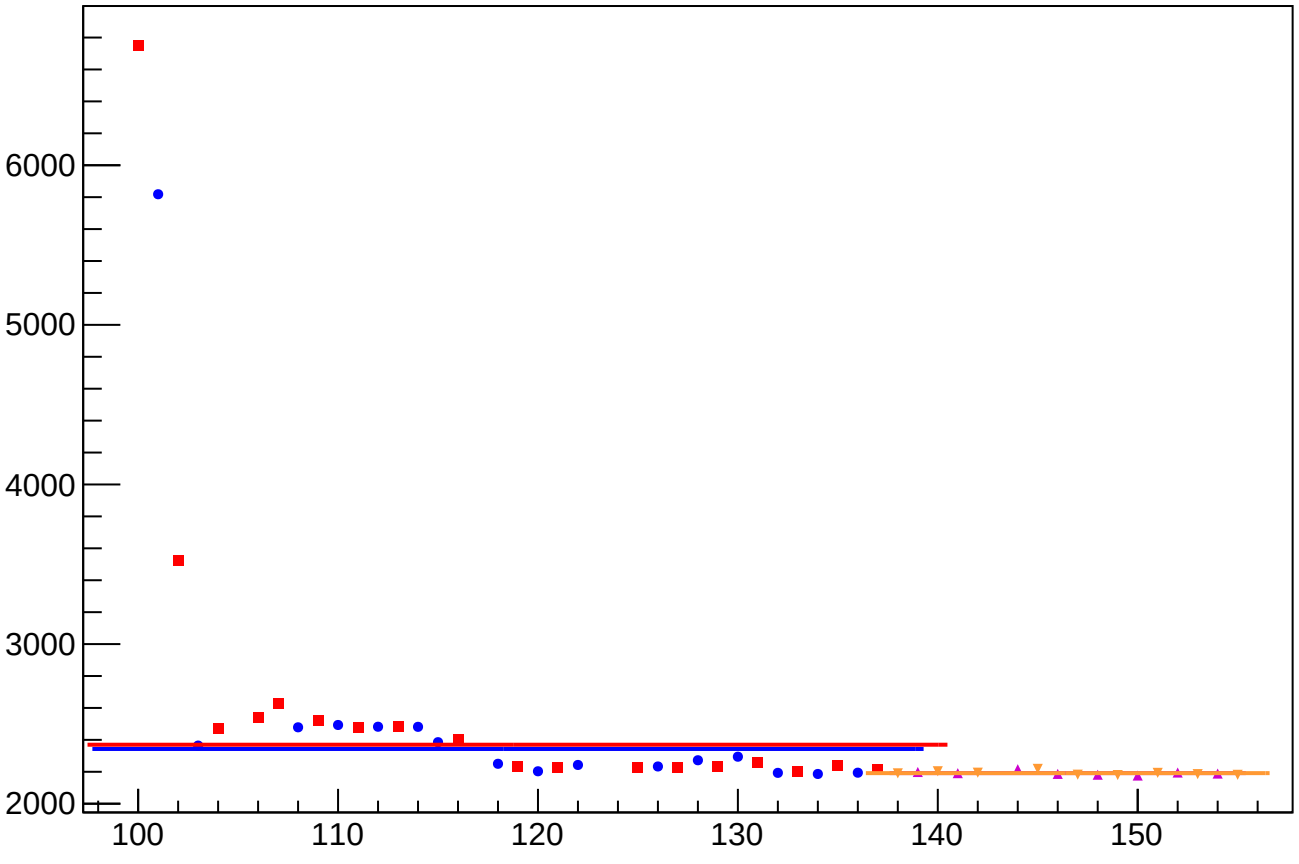
Left: 4519.629+/-584.531 χ^2/NDF: 36.3/16

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4564.241+/-604.689 χ^2/NDF:37.1/23

Out: 4212.421+/-605.589 χ^2/NDF:28.4/26

All: 4388.592+/-427.898 χ^2/NDF: 65.6/50



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.536+/-0.584 χ^2/NDF:422.2/8

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2191.875+/-0.585 χ^2/NDF:377.5/7

Left: 2191.705+/-0.413 χ^2/NDF: 800.0/16

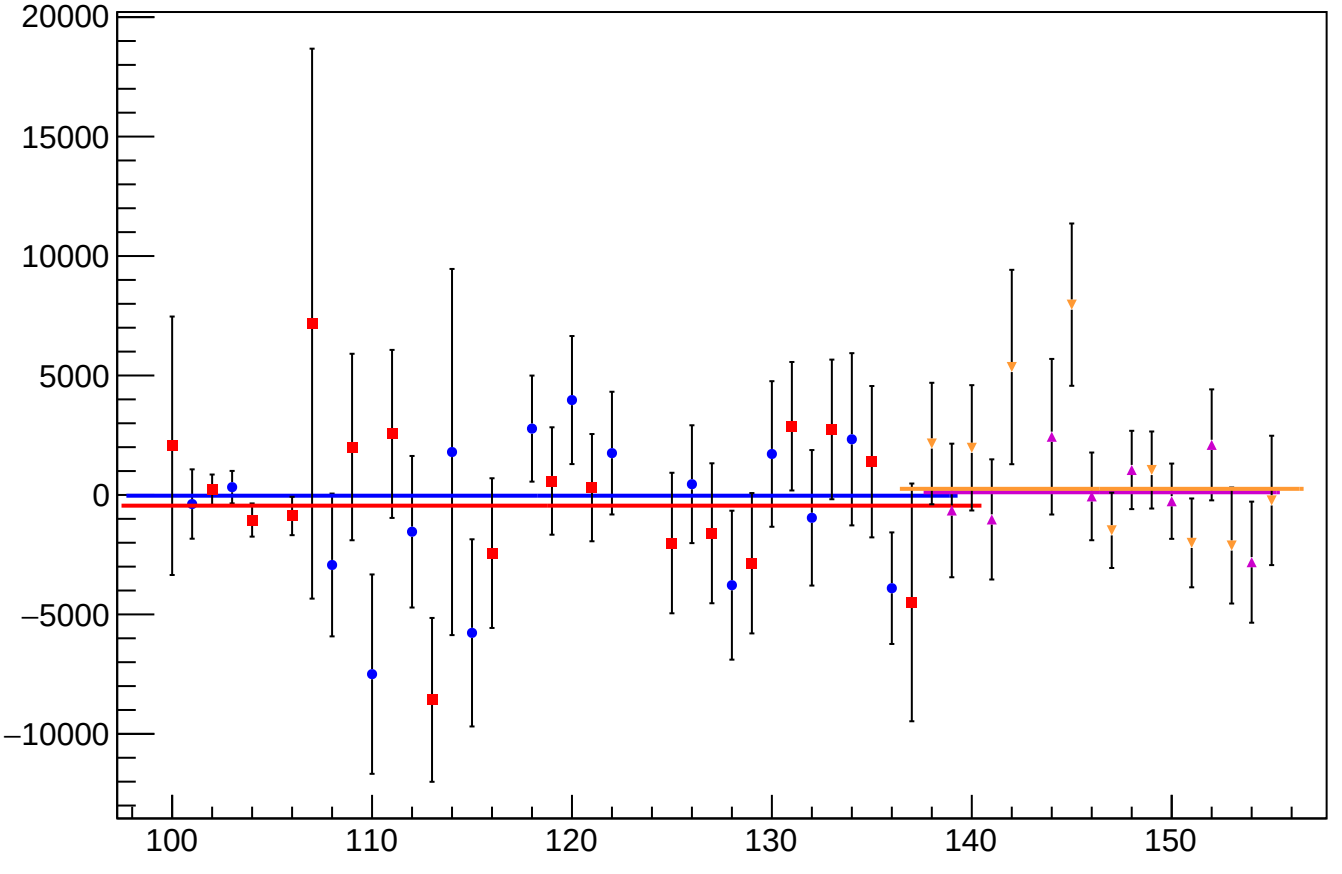
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2262.215+/-0.428 χ^2/NDF:534292.1/23

Out: 2273.885+/-0.428 χ^2/NDF:253541.9/26

All: 2268.041+/-0.303 χ^2/NDF: 788205.9/50

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: 256.135+/-739.326 χ^2/NDF:11.6/8

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 112.317+/-746.701 χ^2/NDF:3.2/7

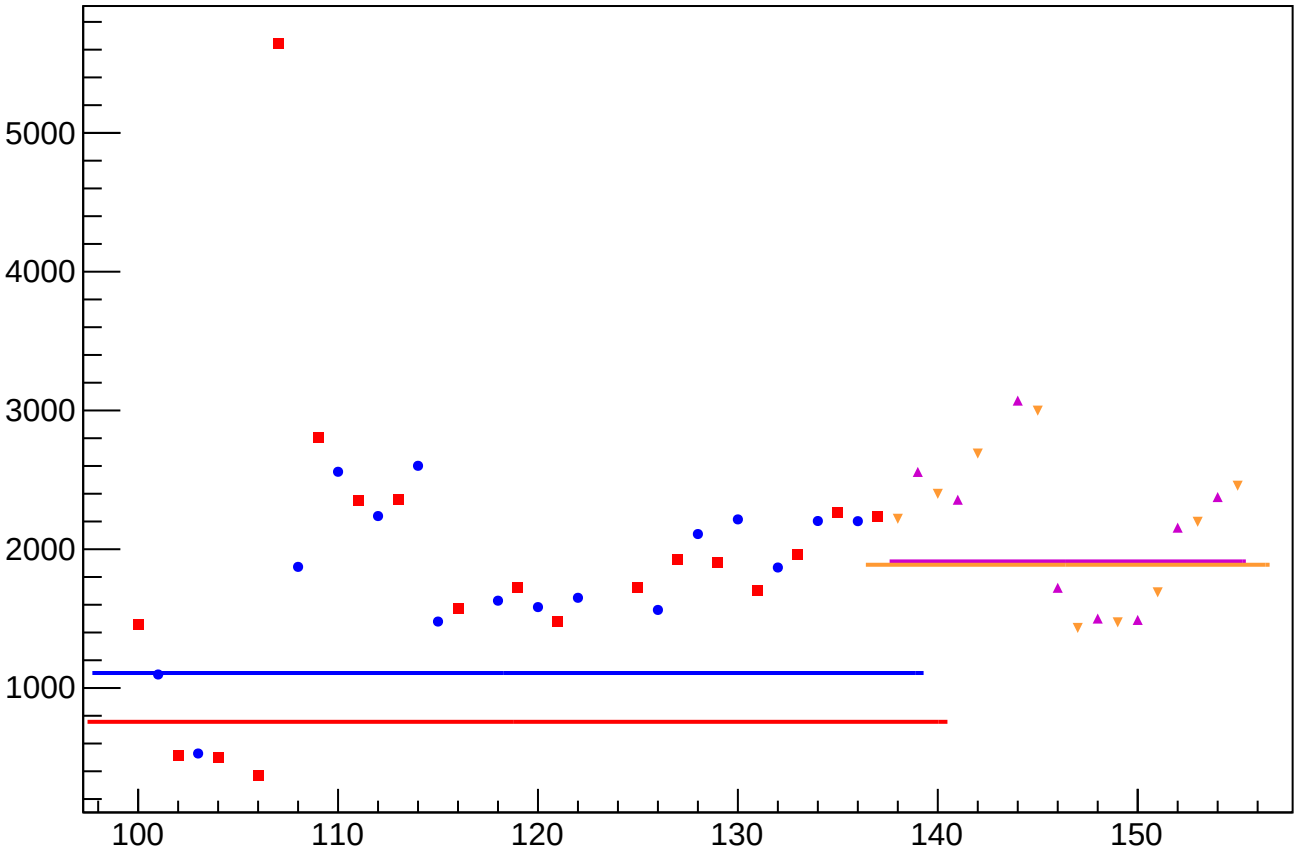
Left: 184.940+/-525.370 χ^2/NDF: 14.9/16

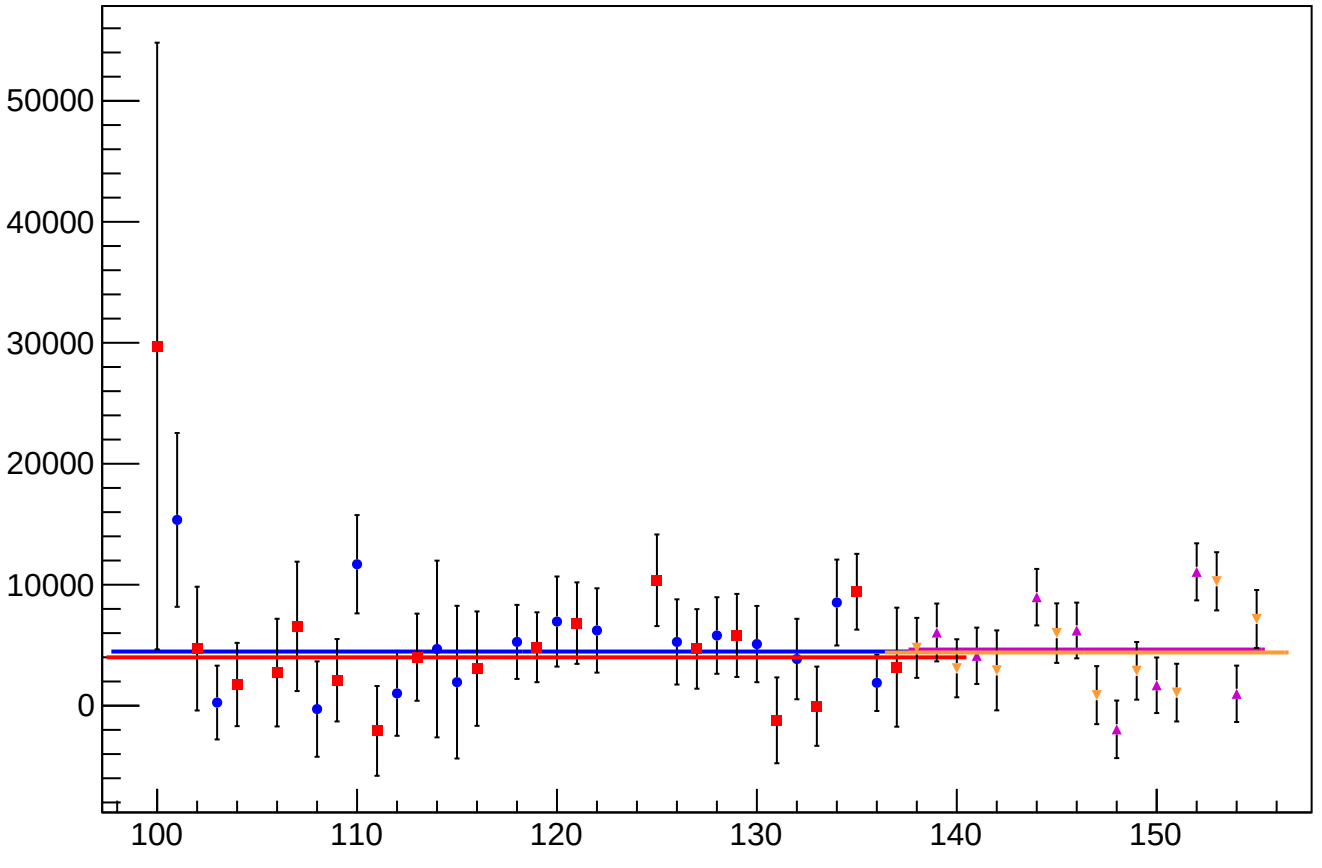
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 11.287+/-406.927 χ^2/NDF:19.6/23

Out: -311.698+/-325.532 χ^2/NDF:27.5/26

All: -185.660+/-254.201 χ^2/NDF: 47.4/50


asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 1108.139+/-0.343 χ²/NDF: 3746477.0/15
Left Out: 1888.196+/-0.523 χ²/NDF:844453.3/8
Right Out: 756.419+/-0.256 χ²/NDF: 5603215.5/17
Left In: 1912.258+/-0.528 χ²/NDF:802003.0/7
Left: 1900.107+/-0.371 χ²/NDF: 1647505.0/16
Right: 882.403+/-0.205 χ²/NDF: 10023844.2/33
In: 1346.954+/-0.288 χ²/NDF:6179047.5/23
Out: 975.839+/-0.230 χ²/NDF:10225855.3/26
All: 1120.659+/-0.180 χ²/NDF: 17419229.6/



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4398.837+/-826.044 χ^2/NDF:12.8/8

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4640.779+/-827.260 χ^2/NDF:23.5/7

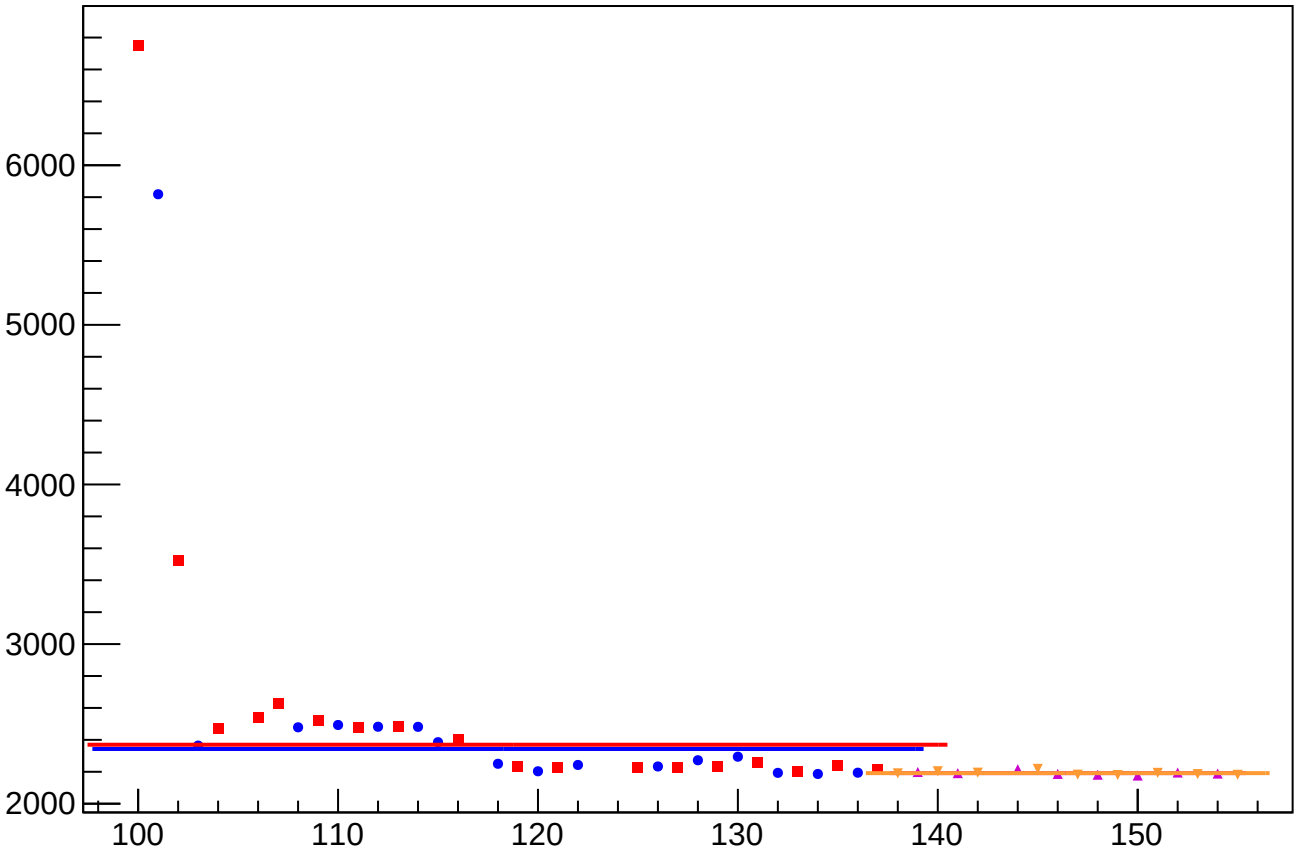
Left: 4519.630+/-584.531 χ^2/NDF: 36.3/16

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4564.239+/-604.689 χ^2/NDF:37.1/23

Out: 4212.419+/-605.589 χ^2/NDF:28.4/26

All: 4388.591+/-427.897 χ^2/NDF: 65.6/50



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.536+/-0.584 χ^2/NDF:422.2/8

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2191.875+/-0.585 χ^2/NDF:377.5/7

Left: 2191.705+/-0.413 χ^2/NDF: 800.0/16

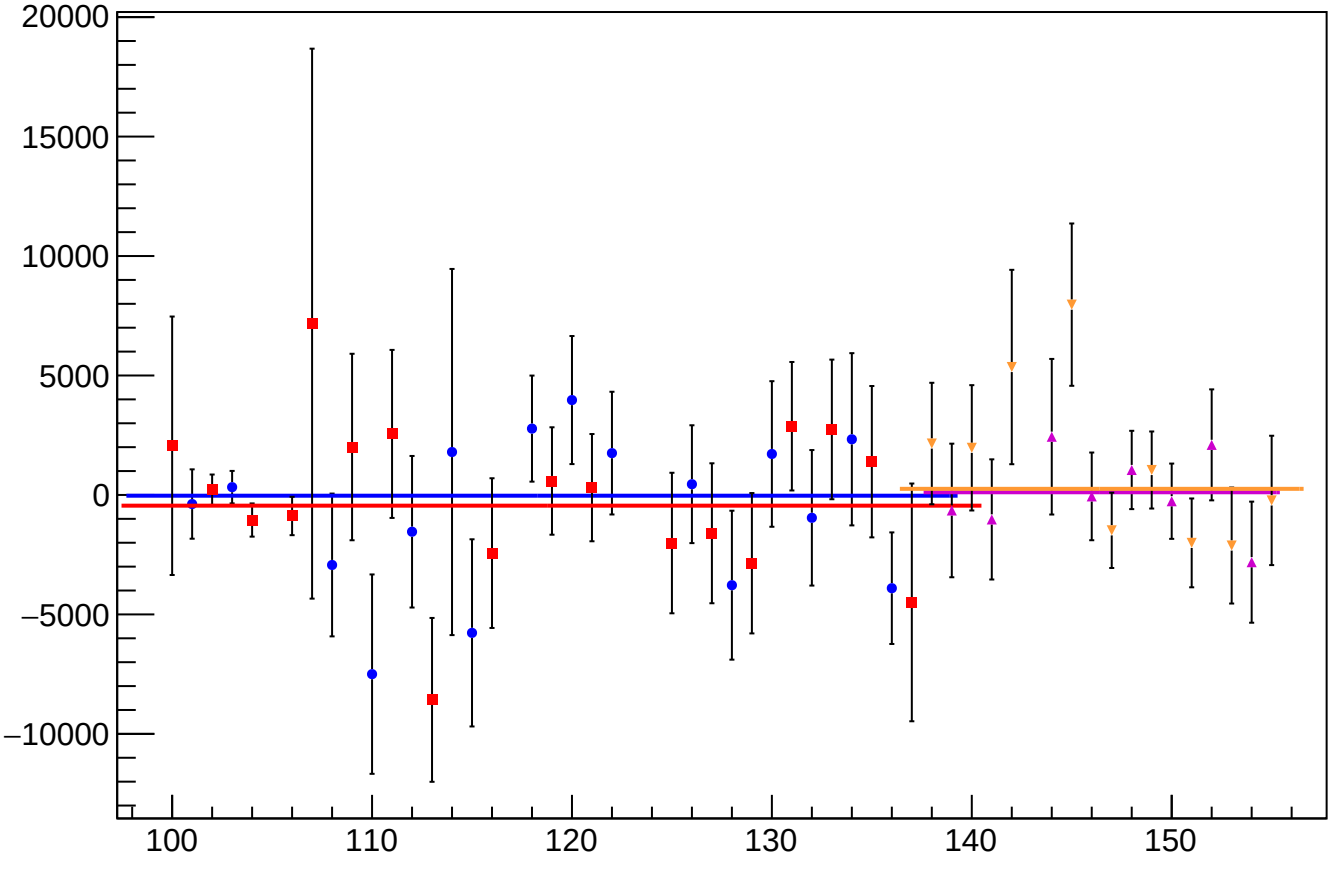
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2262.214+/-0.428 χ^2/NDF:534291.9/23

Out: 2273.884+/-0.428 χ^2/NDF:253540.5/26

All: 2268.041+/-0.303 χ^2/NDF: 788204.3/50

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: 256.131+/-739.327 χ^2/NDF:11.6/8

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 112.318+/-746.702 χ^2/NDF:3.2/7

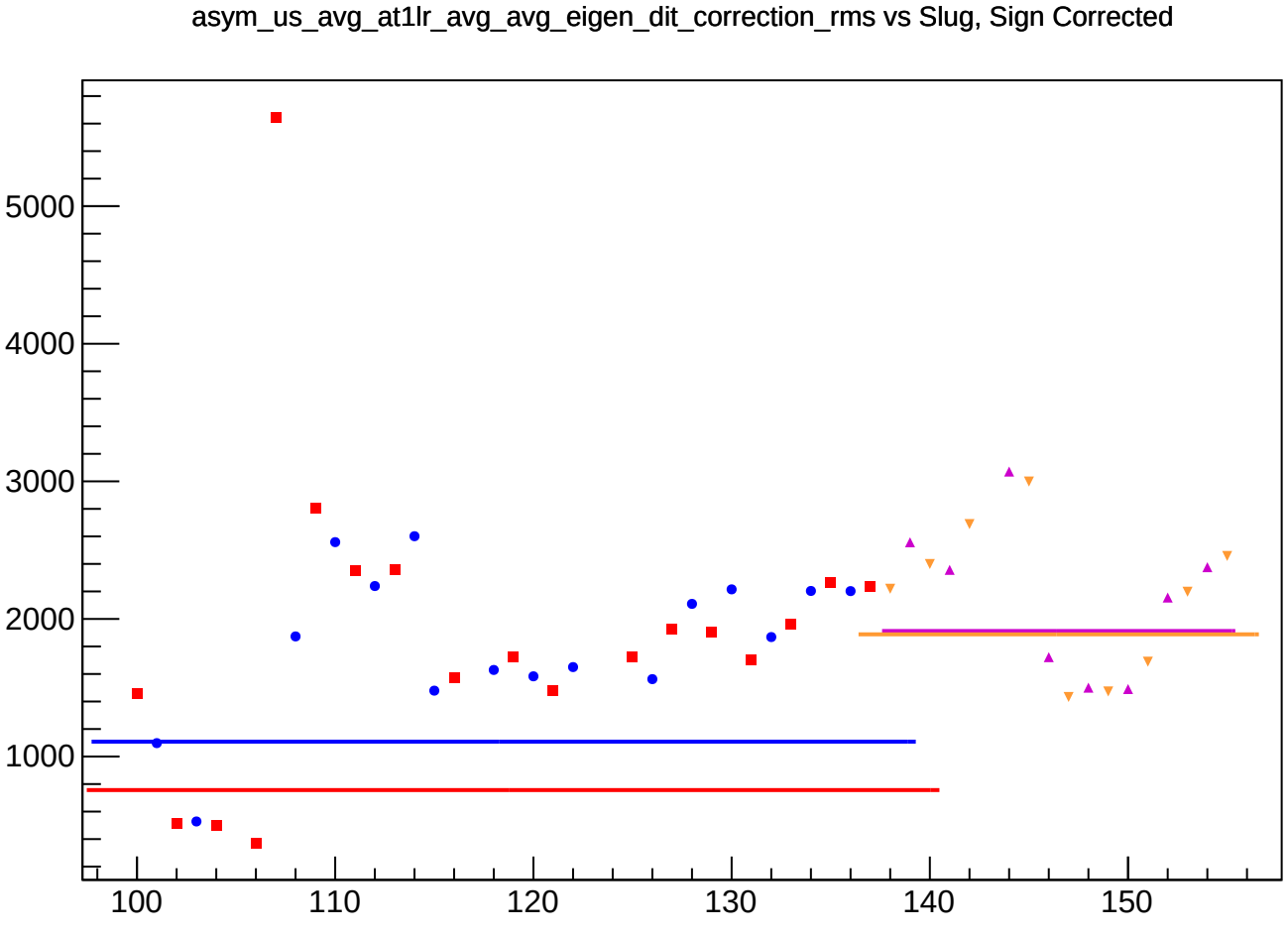
Left: 184.938+/-525.371 χ^2/NDF: 14.9/16

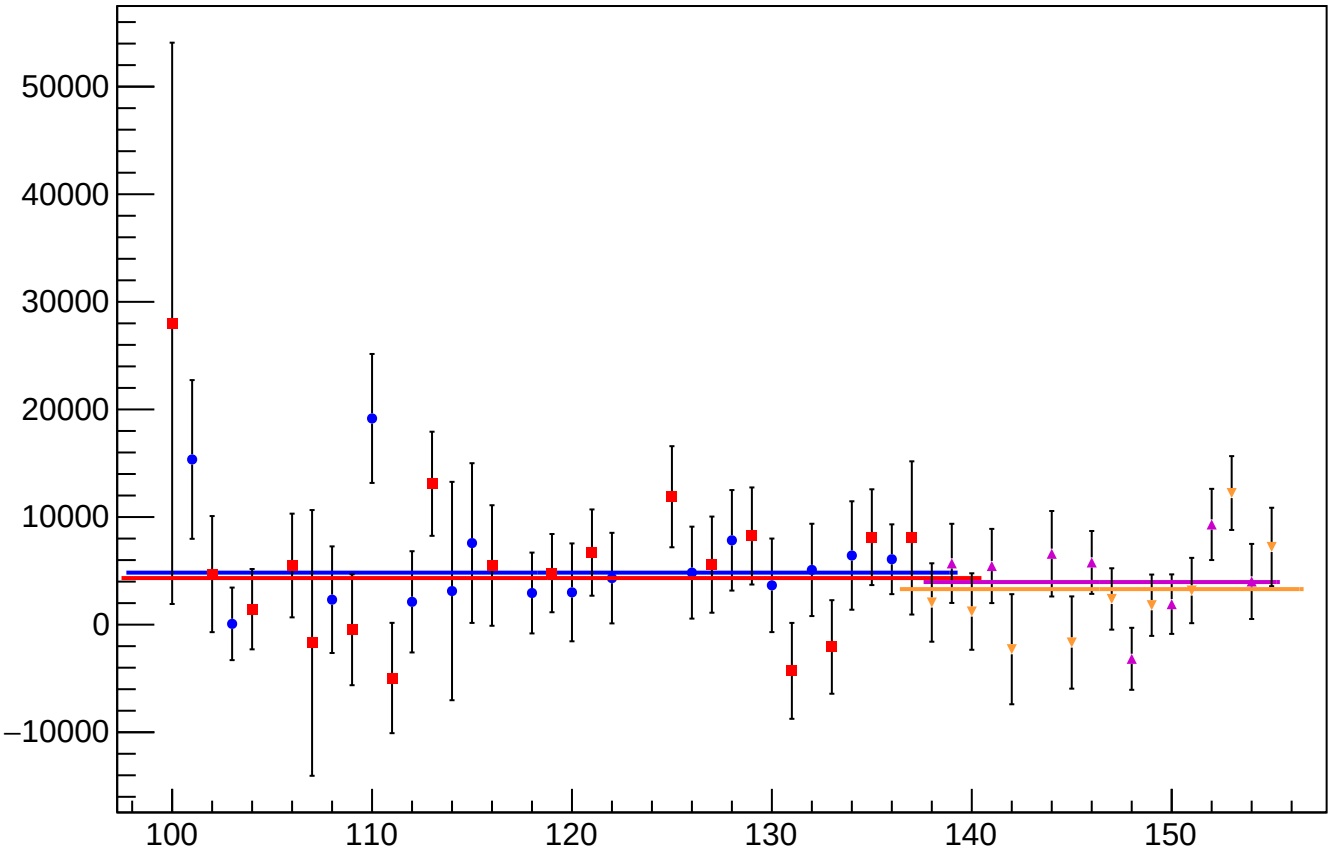
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 11.283+/-406.929 χ^2/NDF:19.6/23

Out: -311.699+/-325.536 χ^2/NDF:27.5/26

All: -185.661+/-254.203 χ^2/NDF: 47.4/50


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 1108.149+/-0.343 χ²/NDF: 3746402.0/15
Left Out: 1888.199+/-0.523 χ²/NDF:844453.3/8
Right Out: 756.434+/-0.256 χ²/NDF: 5603097.5/17
Left In: 1912.261+/-0.528 χ²/NDF:802002.3/7
Left: 1900.111+/-0.371 χ²/NDF: 1647504.4/16
Right: 882.417+/-0.205 χ²/NDF: 10023620.2/33
In: 1346.963+/-0.288 χ²/NDF:6178936.5/23
Out: 975.856+/-0.230 χ²/NDF:10225628.3/26
All: 1120.674+/-0.180 χ²/NDF: 17418835.7/5



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3302.895+/-1145.651 χ^2/NDF:11.3/8

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3958.817+/-1144.679 χ^2/NDF:10.5/7

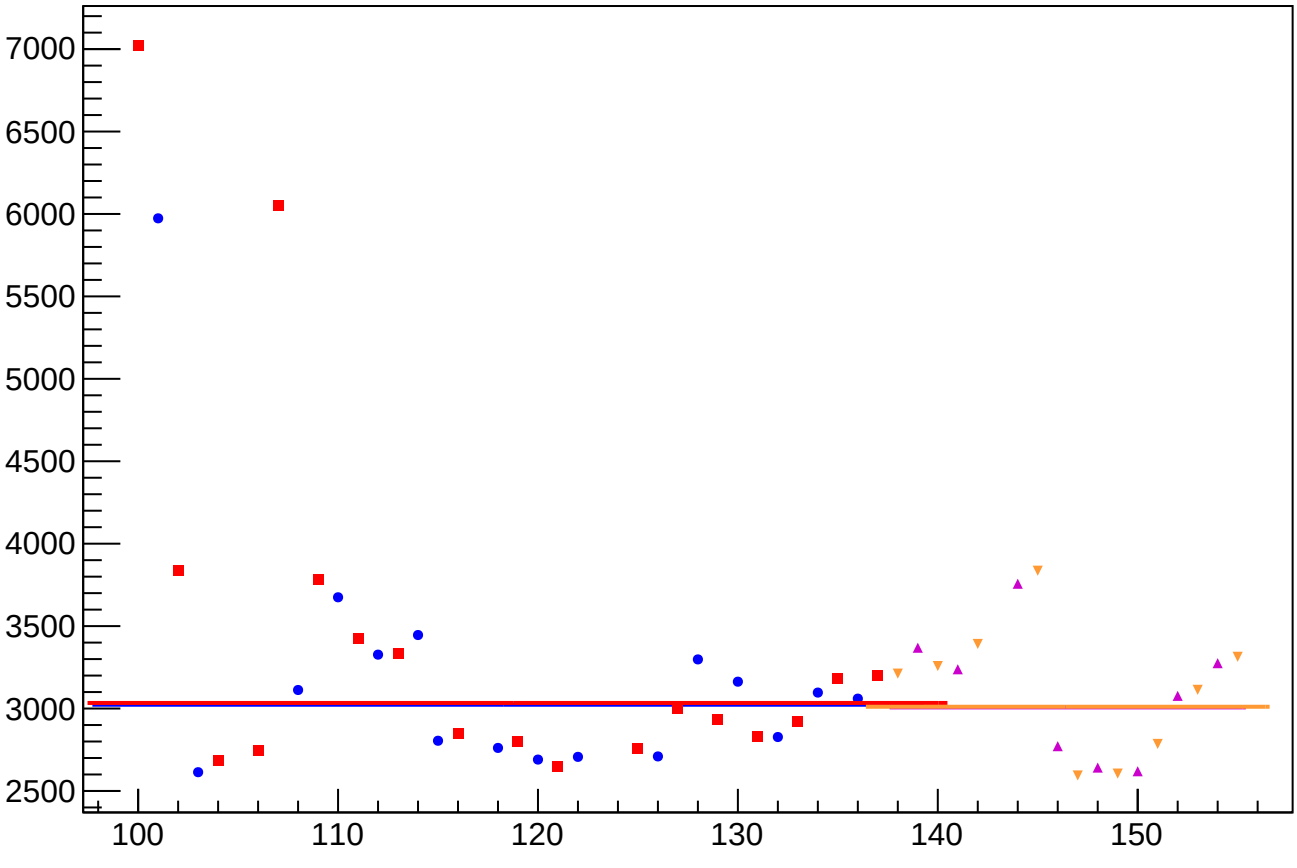
Left: 3631.134+/-809.754 χ^2/NDF: 22.0/16

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4397.132+/-808.651 χ^2/NDF:22.5/23

Out: 3816.245+/-809.705 χ^2/NDF:31.6/26

All: 4107.067+/-572.175 χ^2/NDF: 54.4/50



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3010.822+/-0.810 χ^2/NDF:210711.8/8

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3006.964+/-0.809 χ^2/NDF:196726.0/7

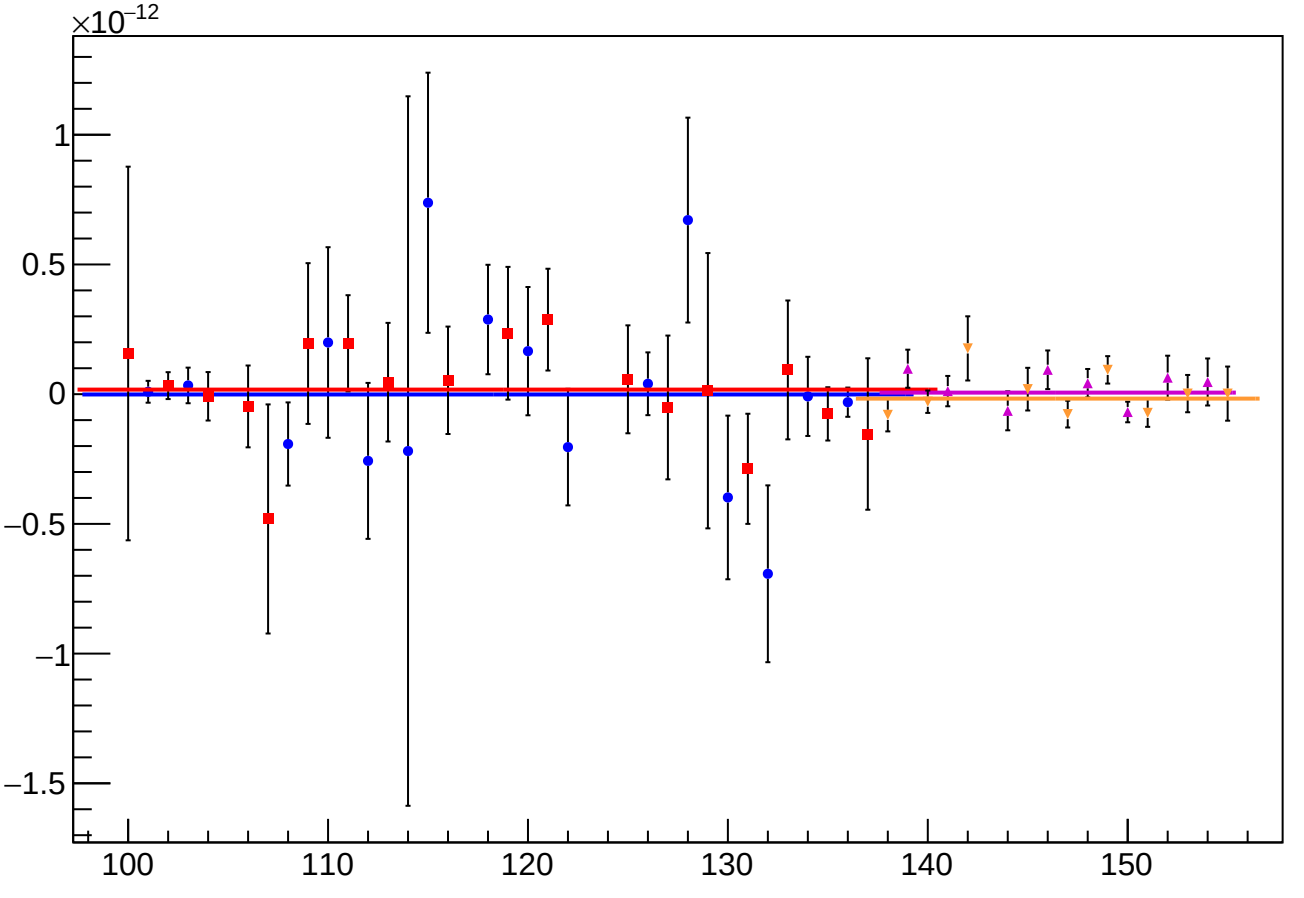
Left: 3008.891+/-0.573 χ^2/NDF: 407449.2/16

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3015.031+/-0.572 χ^2/NDF:640630.1/23

Out: 3022.357+/-0.573 χ^2/NDF:553791.6/26

All: 3018.689+/-0.405 χ^2/NDF: 1194503.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:8.5/7

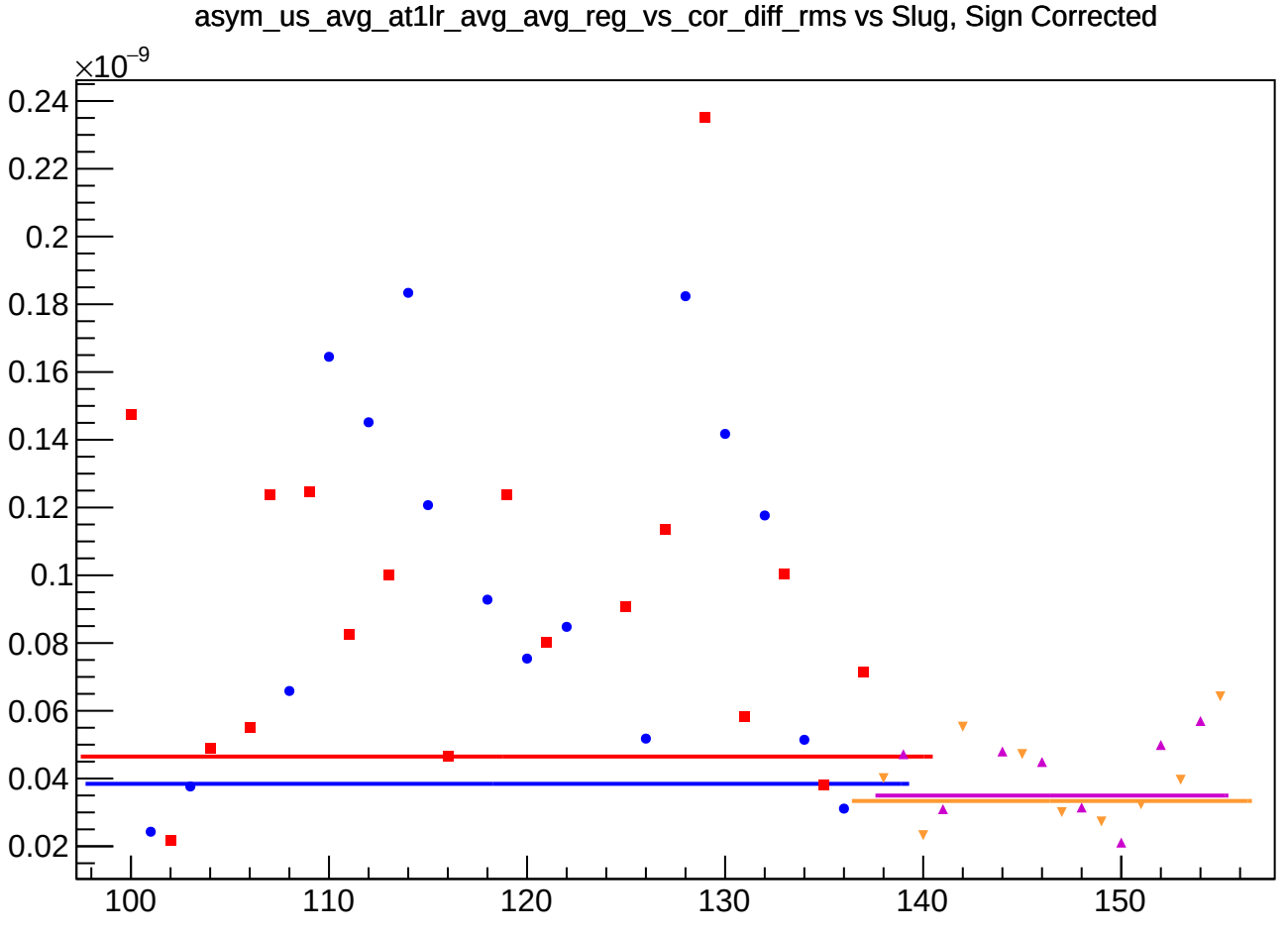
Left: -0.000+/-0.000 χ^2/NDF: 19.7/16

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: 0.000+/-0.000 χ^2/NDF:25.6/23

Out: -0.000+/-0.000 χ^2/NDF:20.3/26

All: -0.000+/-0.000 χ^2/NDF: 46.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:476780.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:593241.1/7

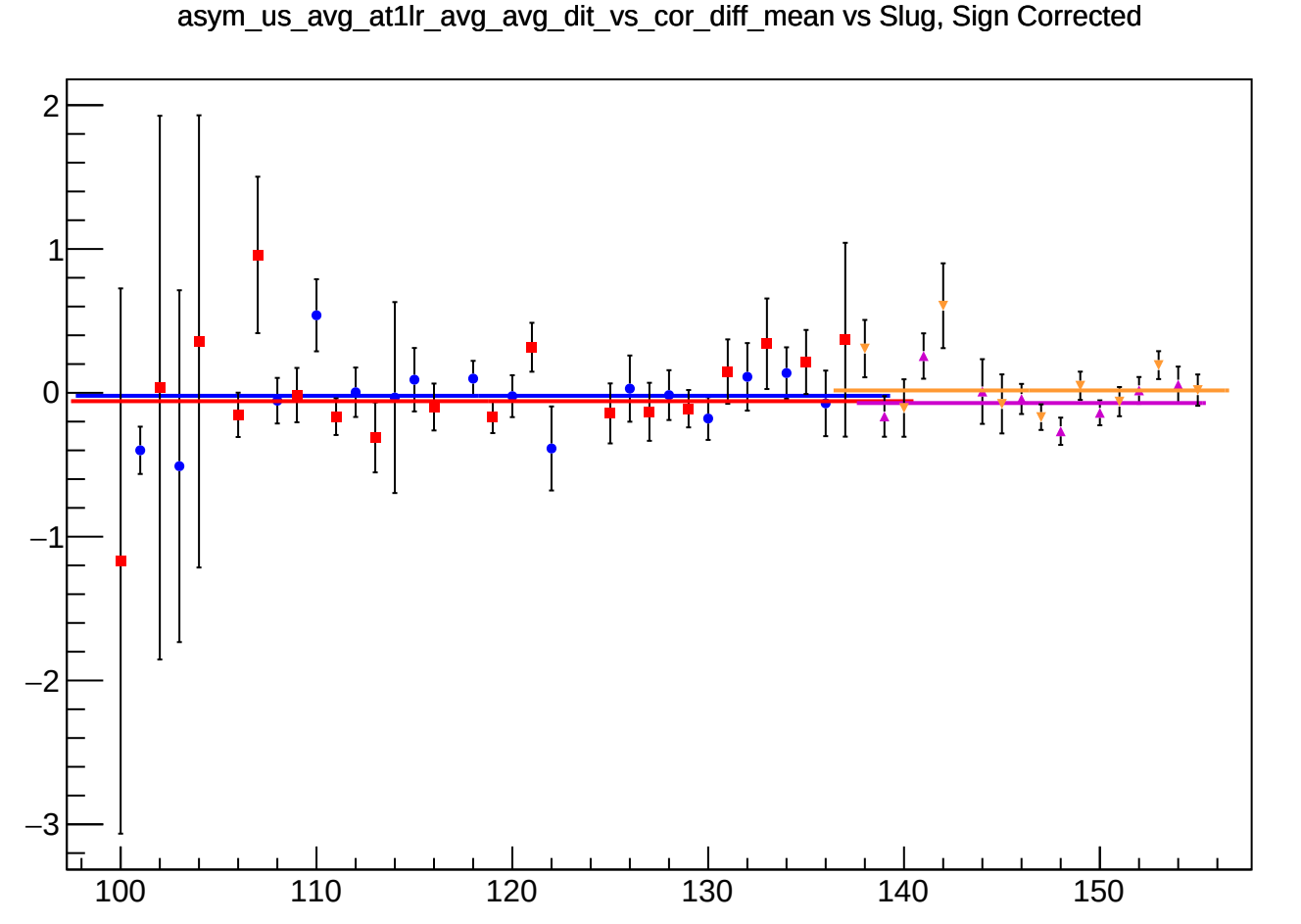
Left: 0.000+/-0.000 χ^2/NDF: 1075594.1/16

Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:2384241.5/23

Out: 0.000+/-0.000 χ^2/NDF:2386736.5/26

All: 0.000+/-0.000 χ^2/NDF: 4771733.8/50



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.017+/-0.041 χ^2/NDF:15.0/8

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.071+/-0.040 χ^2/NDF:11.7/7

Left: -0.028+/-0.029 χ^2/NDF: 29.2/16

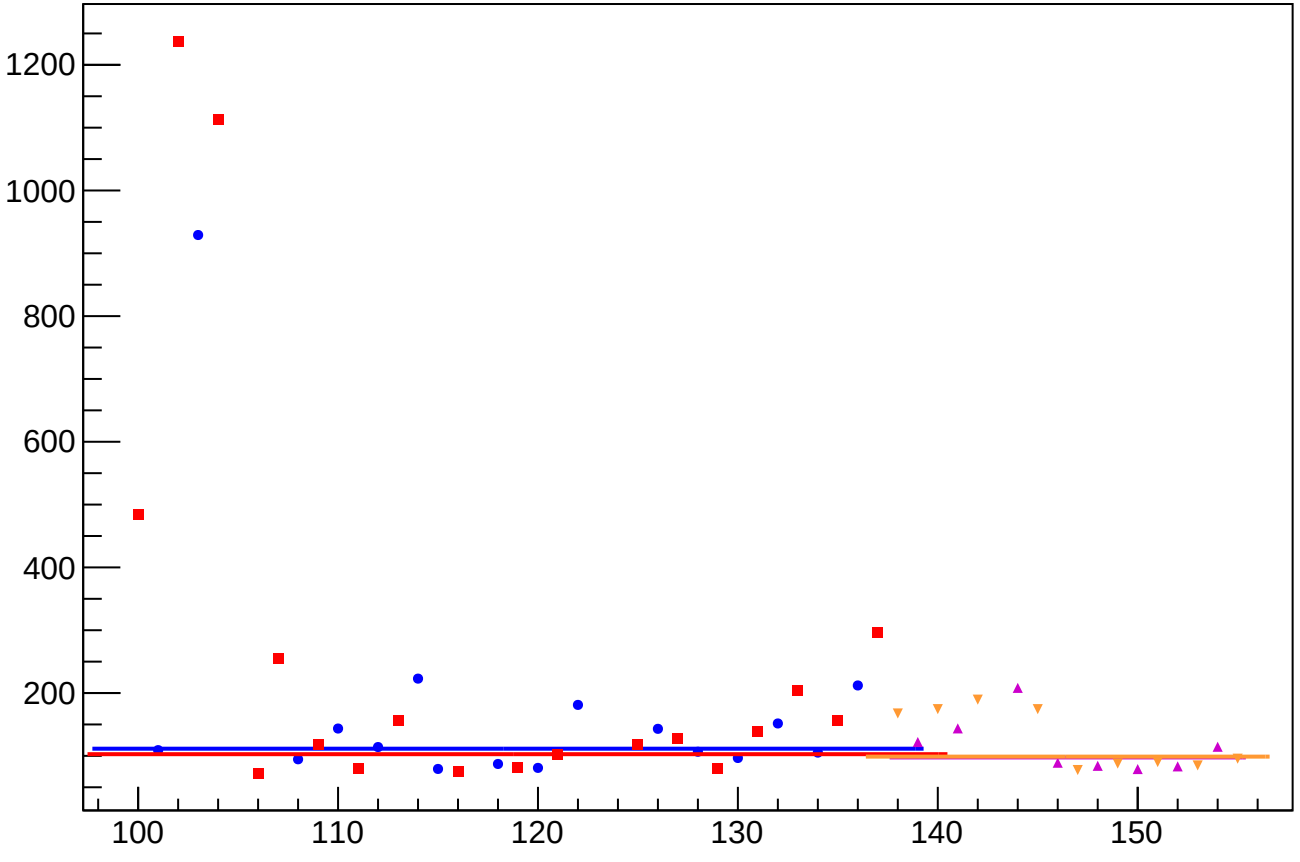
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.050+/-0.031 χ^2/NDF:28.0/23

Out: -0.016+/-0.031 χ^2/NDF:33.4/26

All: -0.033+/-0.022 χ^2/NDF: 62.0/50

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: 98.791+/-0.029 χ^2/NDF:1182898.6/8

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 97.506+/-0.028 χ^2/NDF:944159.8/7

Left: 98.138+/-0.020 χ^2/NDF: 2128071.7/16

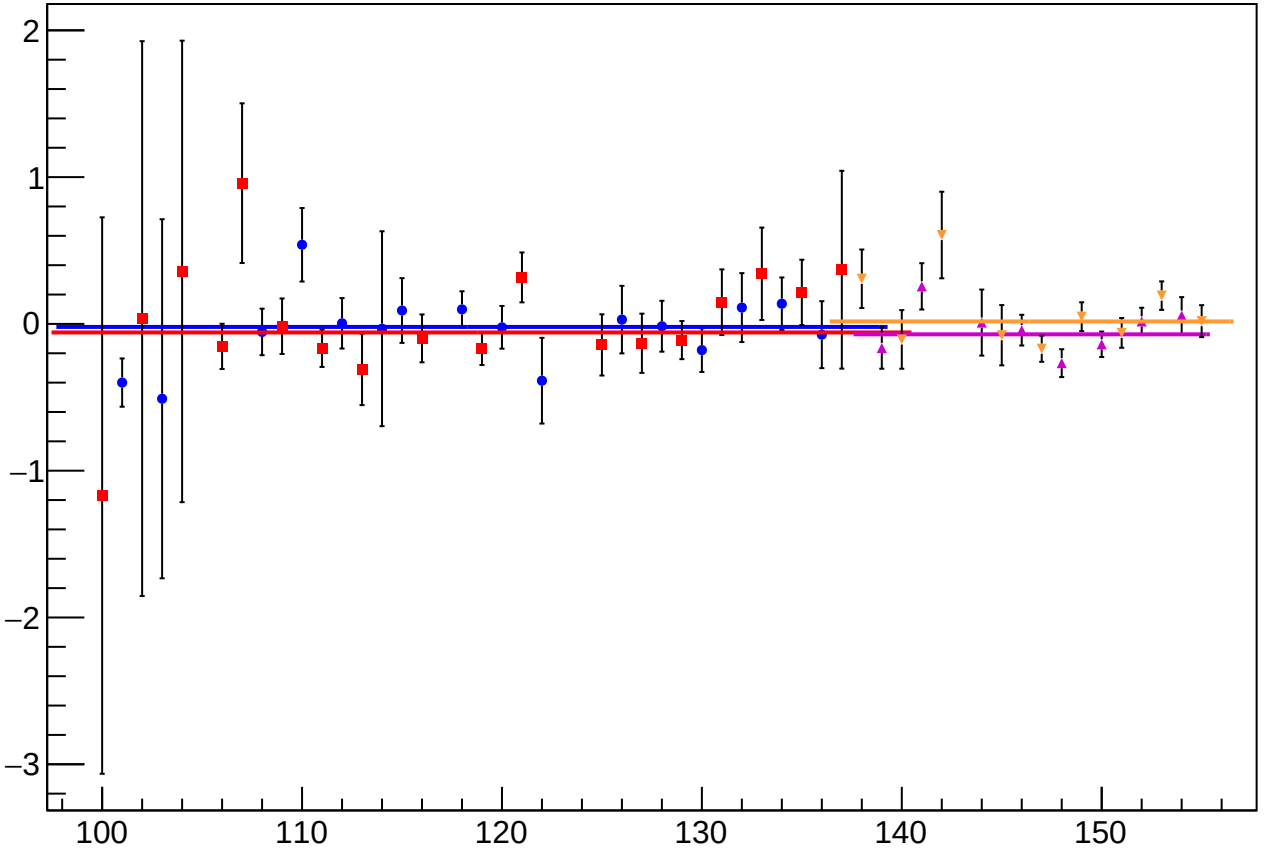
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 103.260+/-0.022 χ^2/NDF:2883357.6/23

Out: 100.479+/-0.022 χ^2/NDF:4017659.2/26

All: 101.868+/-0.015 χ^2/NDF: 6909263.2/50

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.017+/-0.041 χ^2/NDF:15.0/8

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.071+/-0.040 χ^2/NDF:11.7/7

Left: -0.028+/-0.029 χ^2/NDF: 29.2/16

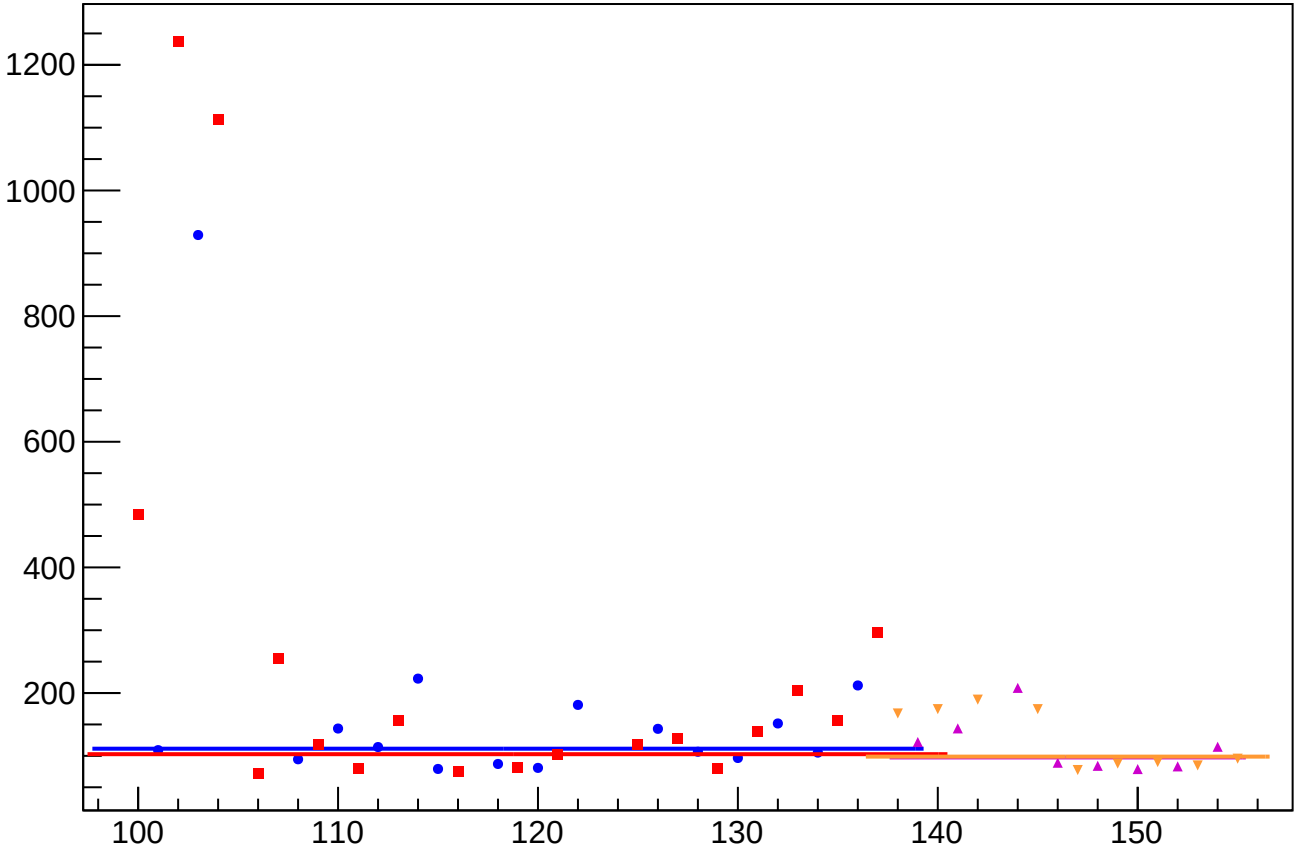
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.050+/-0.031 χ^2/NDF:28.0/23

Out: -0.016+/-0.031 χ^2/NDF:33.4/26

All: -0.033+/-0.022 χ^2/NDF: 62.0/50

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: 98.791+/-0.029 χ^2/NDF:1182898.6/8

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 97.506+/-0.028 χ^2/NDF:944159.8/7

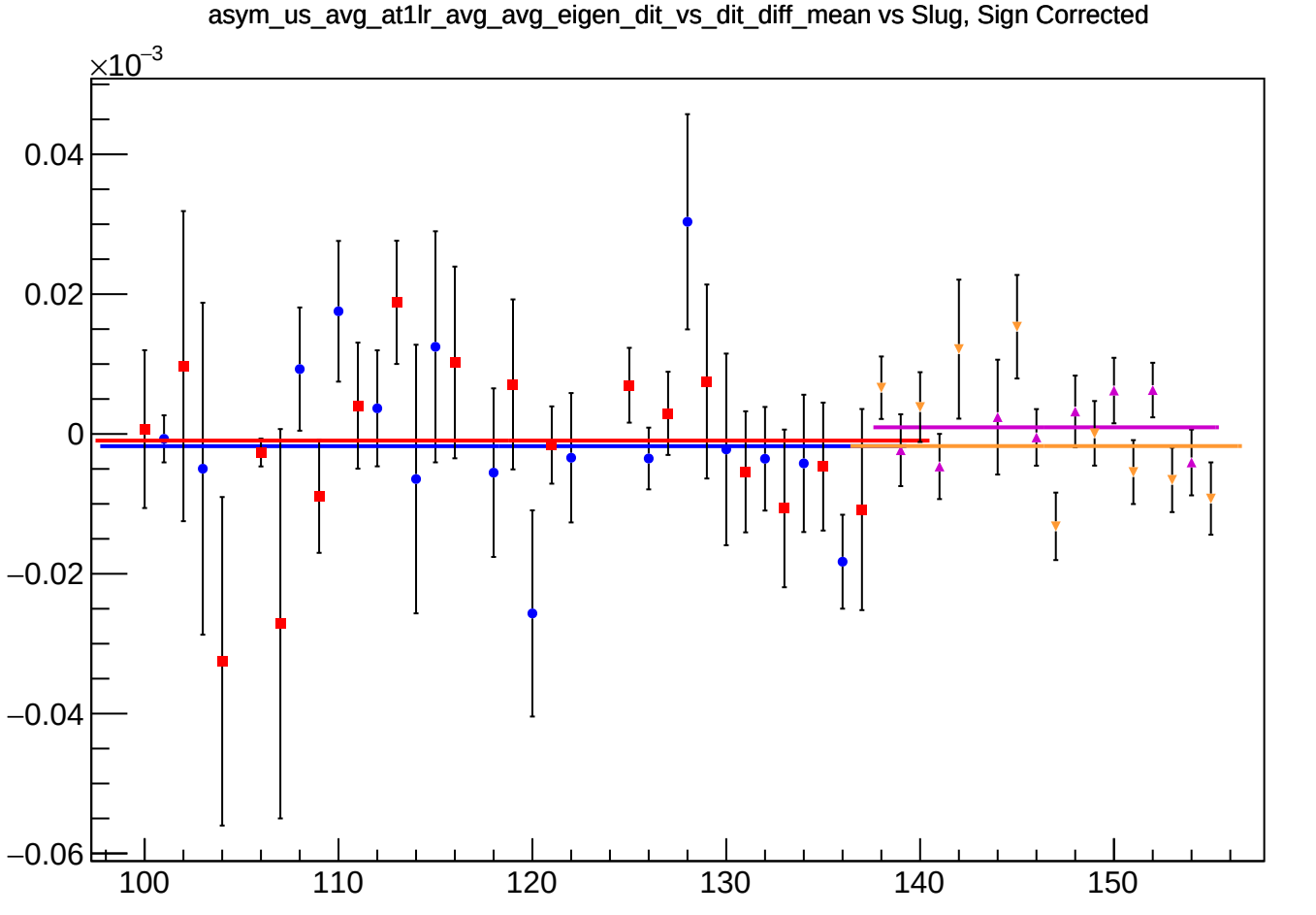
Left: 98.138+/-0.020 χ^2/NDF: 2128071.7/16

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 103.260+/-0.022 χ^2/NDF:2883357.6/23

Out: 100.479+/-0.022 χ^2/NDF:4017659.2/26

All: 101.868+/-0.015 χ^2/NDF: 6909263.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/8

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:6.5/7

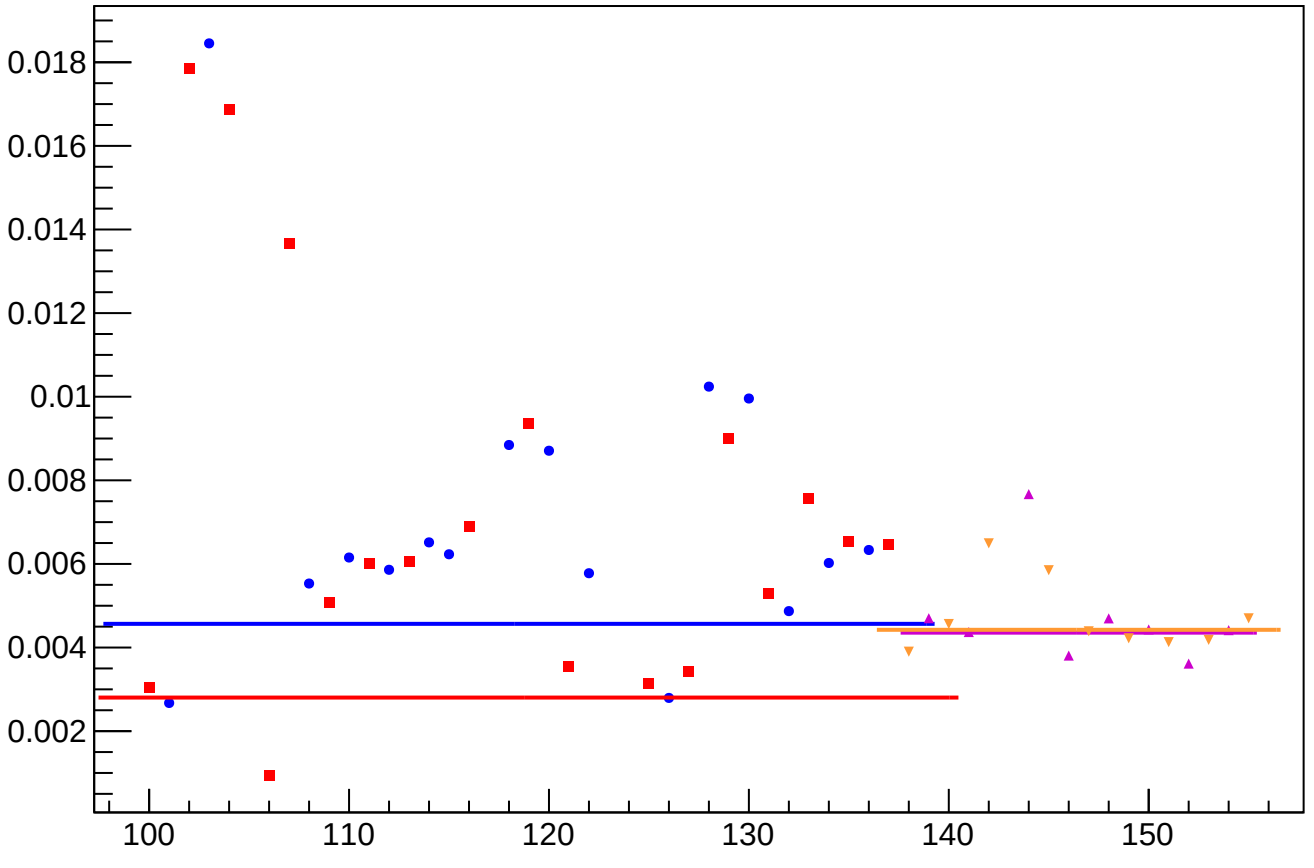
Left: -0.000+/-0.000 χ^2/NDF: 29.4/16

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: -0.000+/-0.000 χ^2/NDF:27.6/23

Out: -0.000+/-0.000 χ^2/NDF:37.5/26

All: -0.000+/-0.000 χ^2/NDF: 65.5/50



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:213059.4/8

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:453167.8/7

Left: 0.004+/-0.000 χ^2/NDF: 667829.8/16

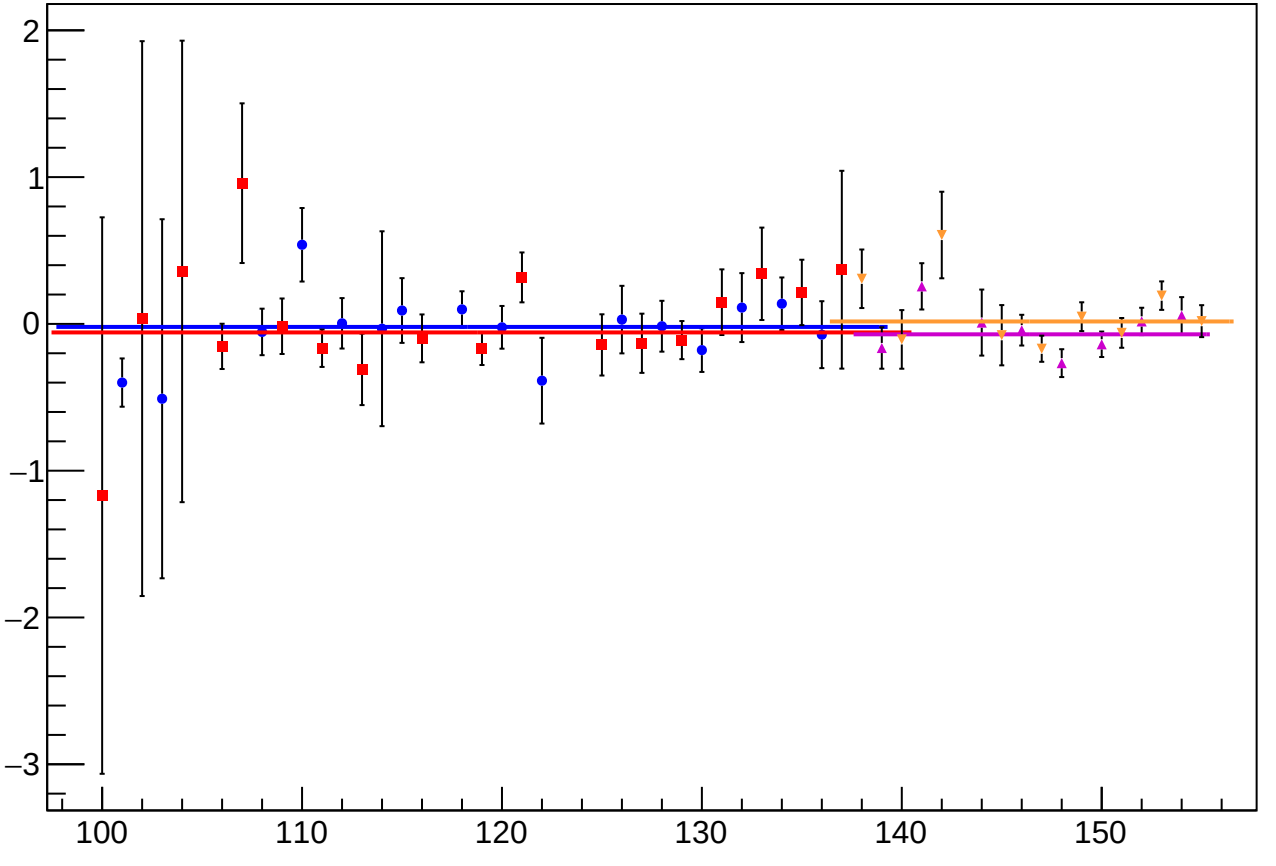
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:3478956.2/23

Out: 0.003+/-0.000 χ^2/NDF:7849226.6/26

All: 0.004+/-0.000 χ^2/NDF: 11962345.4/50

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: 0.017+/-0.041 χ^2/NDF:15.1/8

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.071+/-0.040 χ^2/NDF:11.7/7

Left: -0.028+/-0.029 χ^2/NDF: 29.1/16

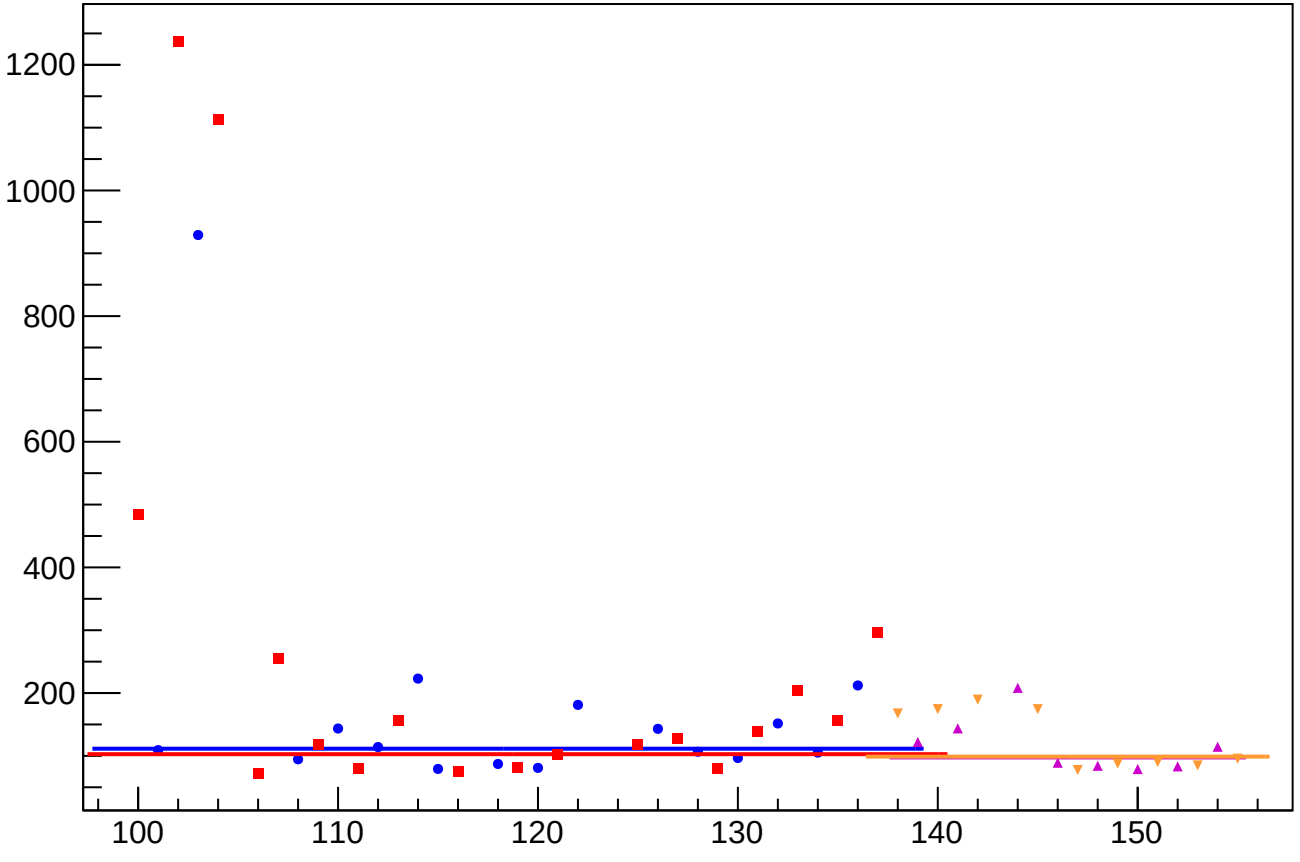
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.050+/-0.031 χ^2/NDF:28.0/23

Out: -0.016+/-0.031 χ^2/NDF:33.4/26

All: -0.033+/-0.022 χ^2/NDF: 62.0/50

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: 98.792+/-0.029 χ^2/NDF:1182880.2/8

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 97.507+/-0.028 χ^2/NDF:944148.6/7

Left: 98.138+/-0.020 χ^2/NDF: 2128042.0/16

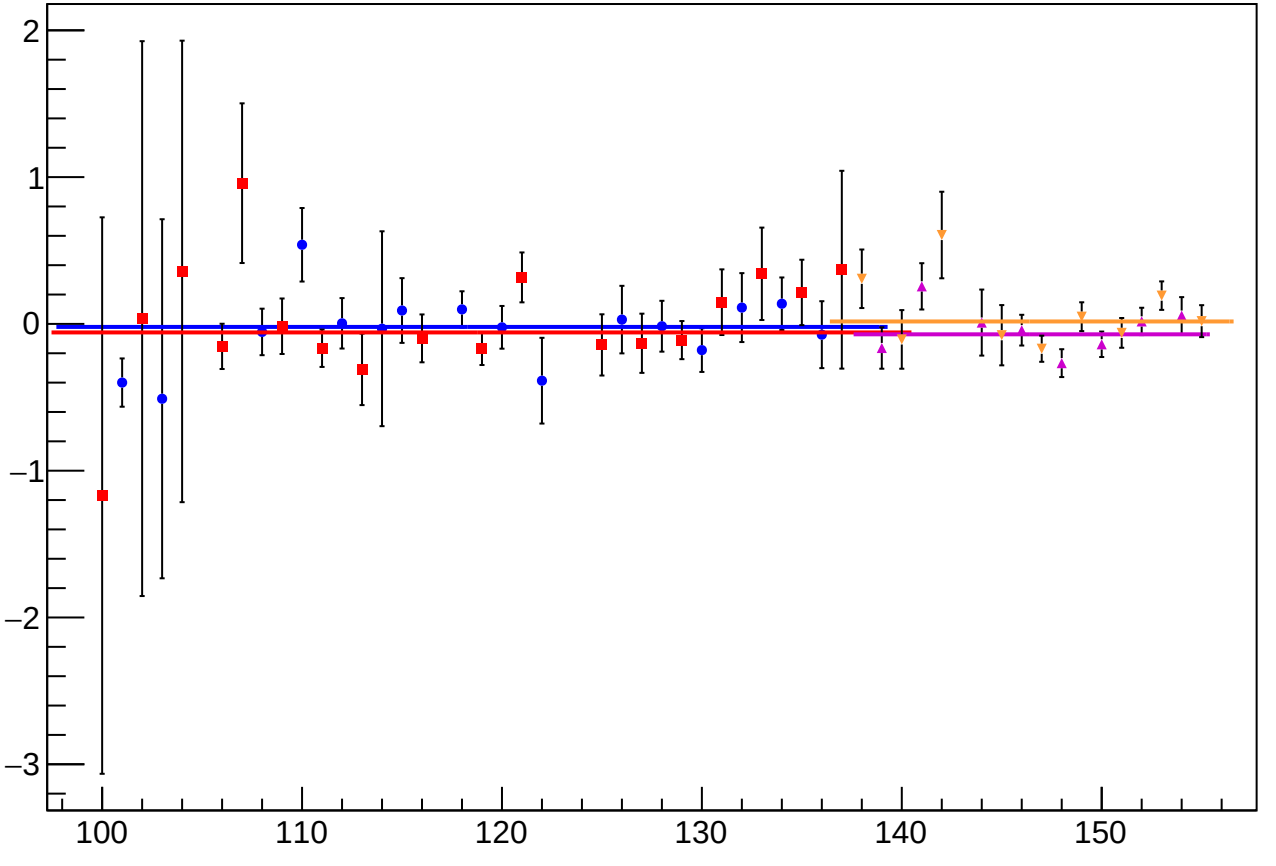
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 103.259+/-0.022 χ^2/NDF:2883352.1/23

Out: 100.479+/-0.022 χ^2/NDF:4017629.1/26

All: 101.867+/-0.015 χ^2/NDF: 6909226.0/50

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: 0.017+/-0.041 χ^2/NDF:15.1/8

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.071+/-0.040 χ^2/NDF:11.7/7

Left: -0.028+/-0.029 χ^2/NDF: 29.1/16

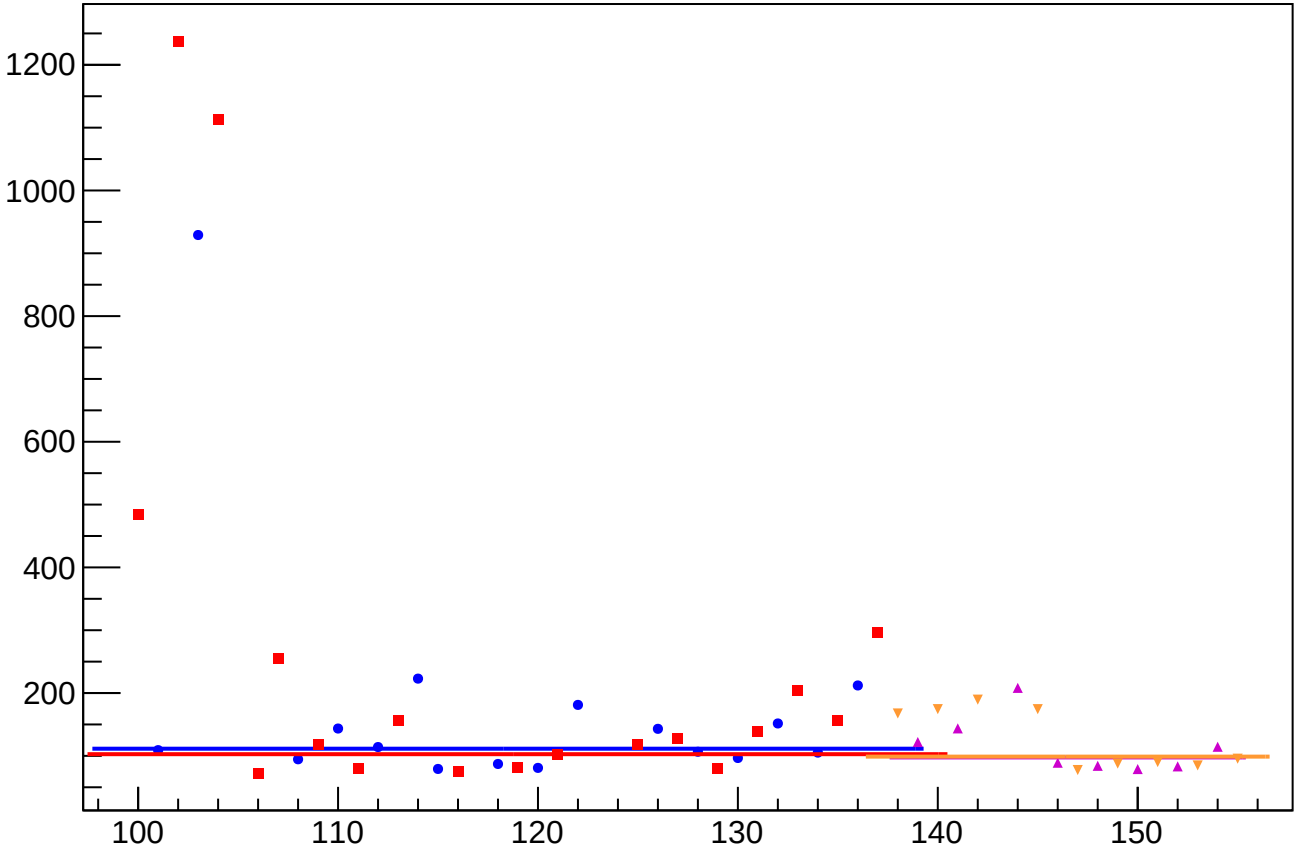
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.050+/-0.031 χ^2/NDF:28.0/23

Out: -0.016+/-0.031 χ^2/NDF:33.4/26

All: -0.033+/-0.022 χ^2/NDF: 62.0/50

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: 98.792+/-0.029 χ^2/NDF:1182880.2/8

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 97.507+/-0.028 χ^2/NDF:944148.6/7

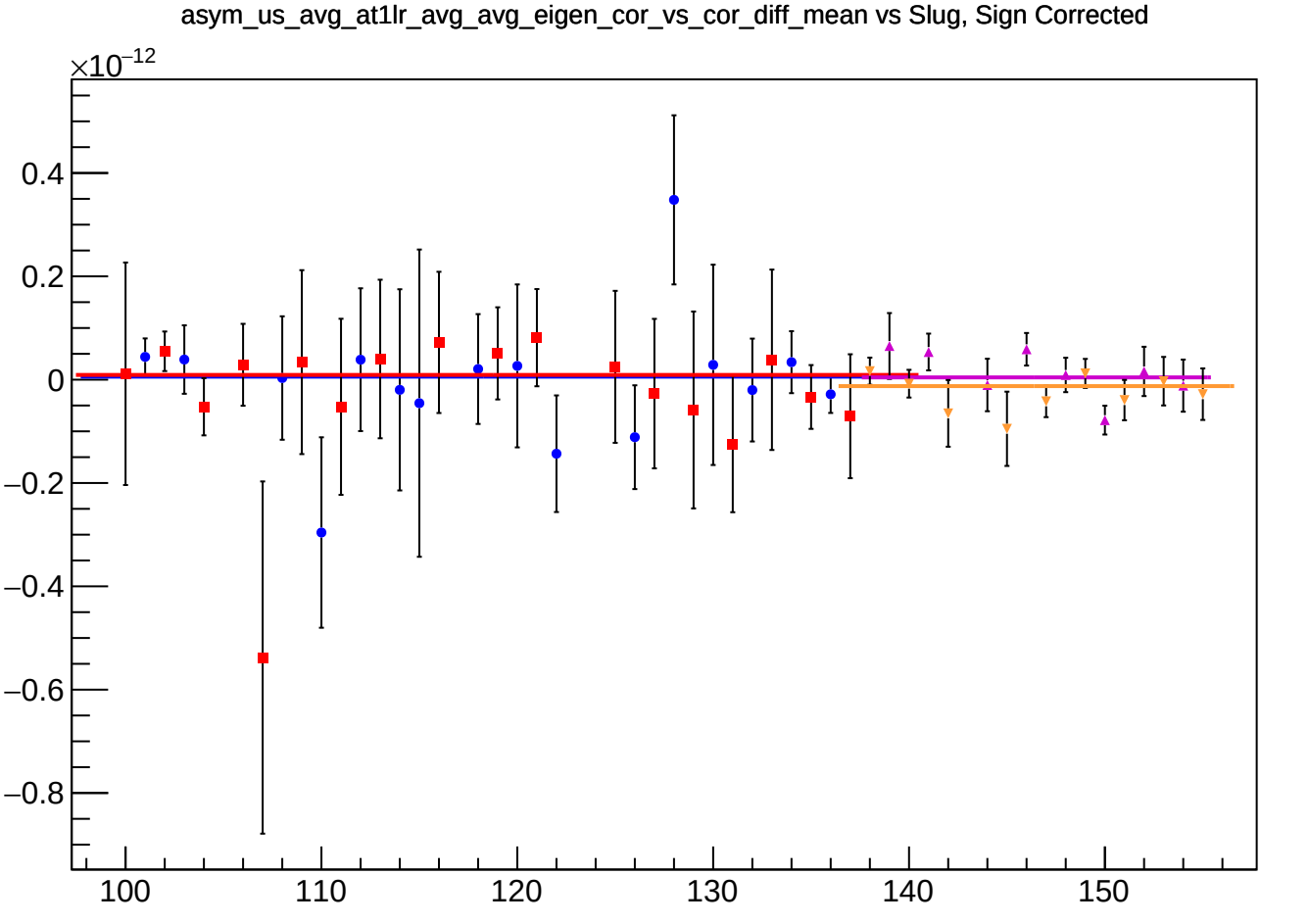
Left: 98.138+/-0.020 χ^2/NDF: 2128042.0/16

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

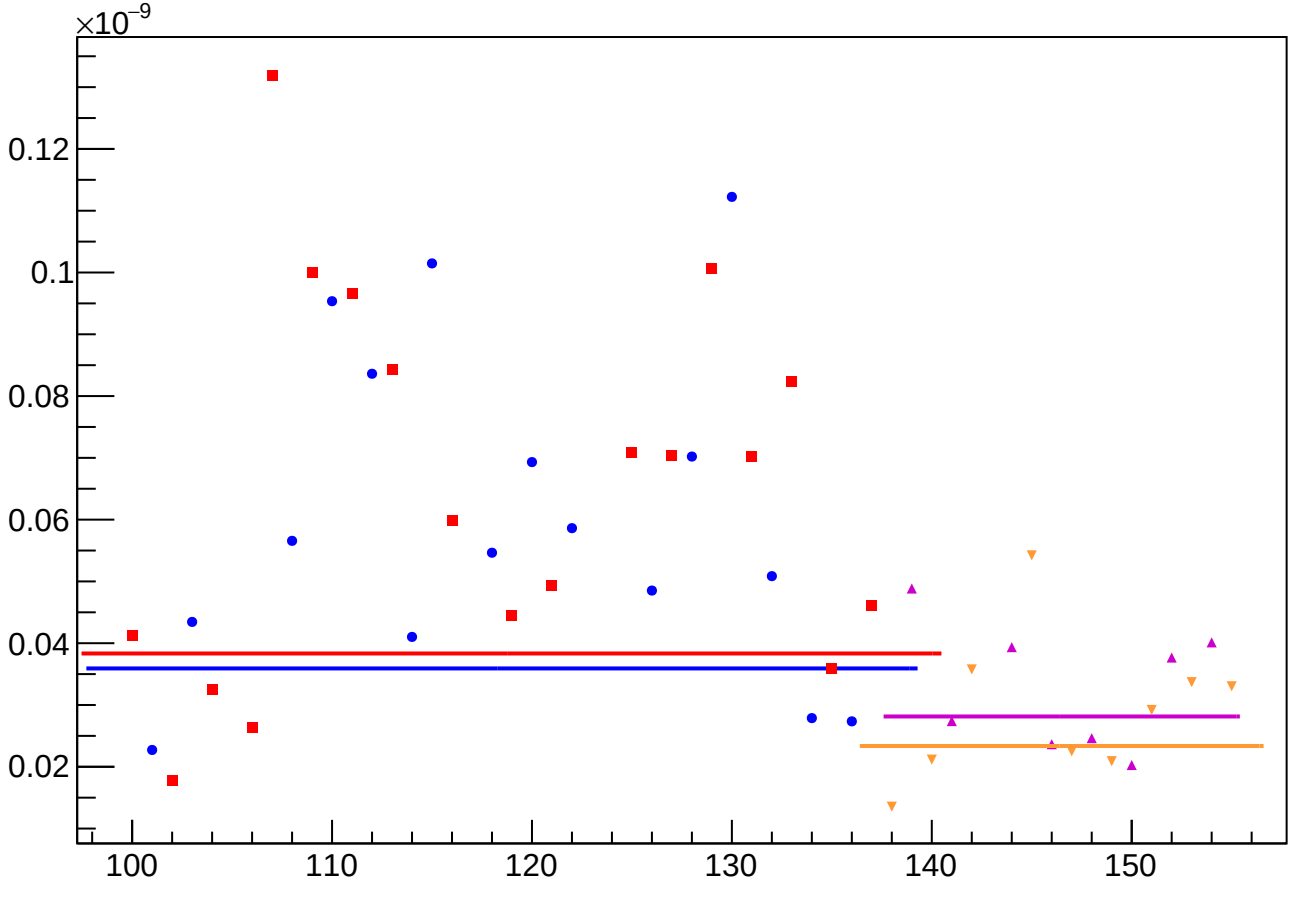
In: 103.259+/-0.022 χ^2/NDF:2883352.1/23

Out: 100.479+/-0.022 χ^2/NDF:4017629.1/26

All: 101.867+/-0.015 χ^2/NDF: 6909226.0/50


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:5.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 8.7/17
Left In: 0.000+/-0.000 χ²/NDF:14.8/7
Left: -0.000+/-0.000 χ²/NDF: 21.3/16
Right: 0.000+/-0.000 χ²/NDF: 21.6/33
In: 0.000+/-0.000 χ²/NDF:27.7/23
Out: -0.000+/-0.000 χ²/NDF:15.0/26
All: -0.000+/-0.000 χ²/NDF: 43.4/50

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:969416.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:724254.7/7

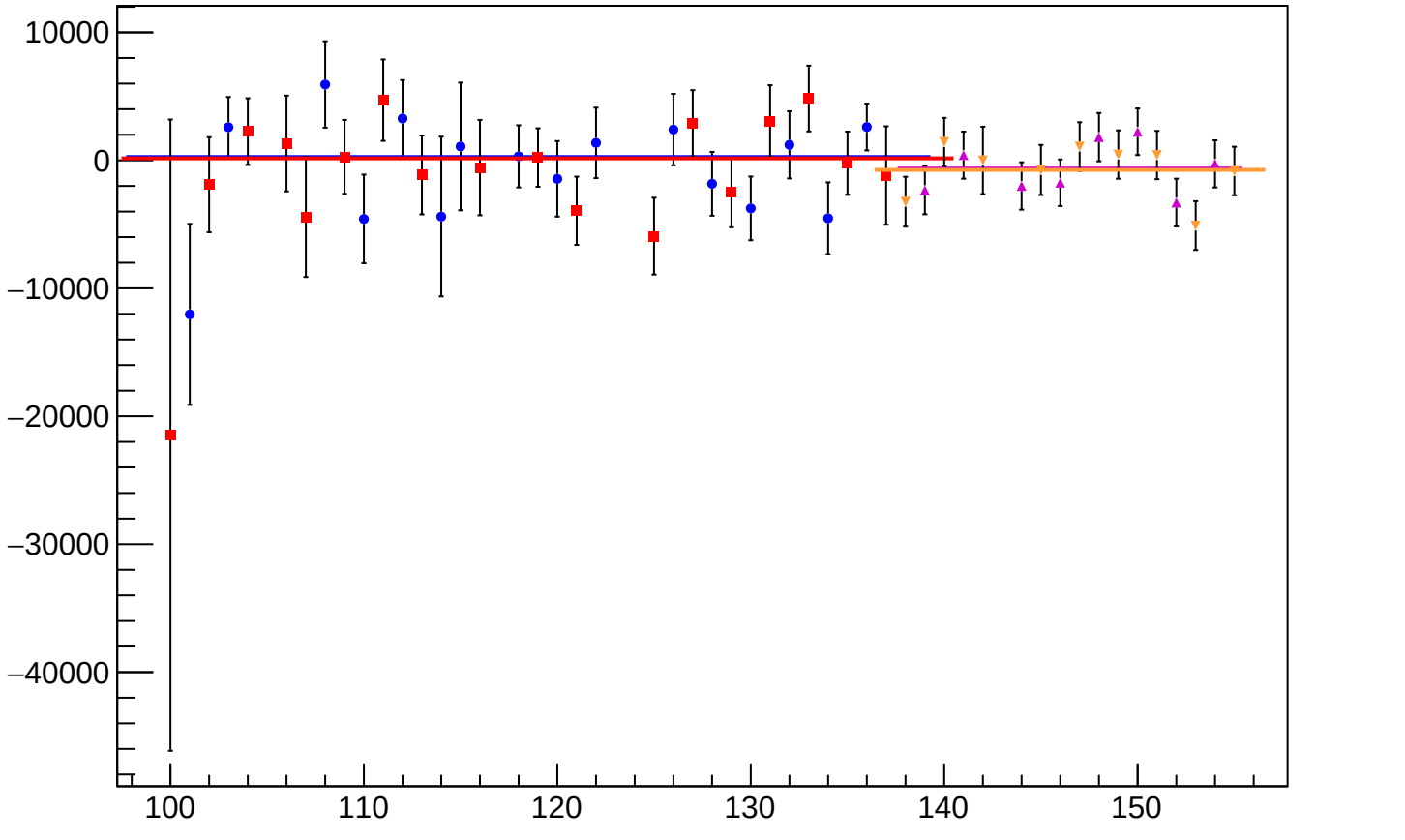
Left: 0.000+/-0.000 χ^2/NDF: 1834716.8/16

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:2702502.5/23

Out: 0.000+/-0.000 χ^2/NDF:3910145.1/26

All: 0.000+/-0.000 χ^2/NDF: 6745001.6/50



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -743.228+/-653.552 χ^2/NDF:10.0/8

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -640.213+/-654.076 χ^2/NDF:8.3/7

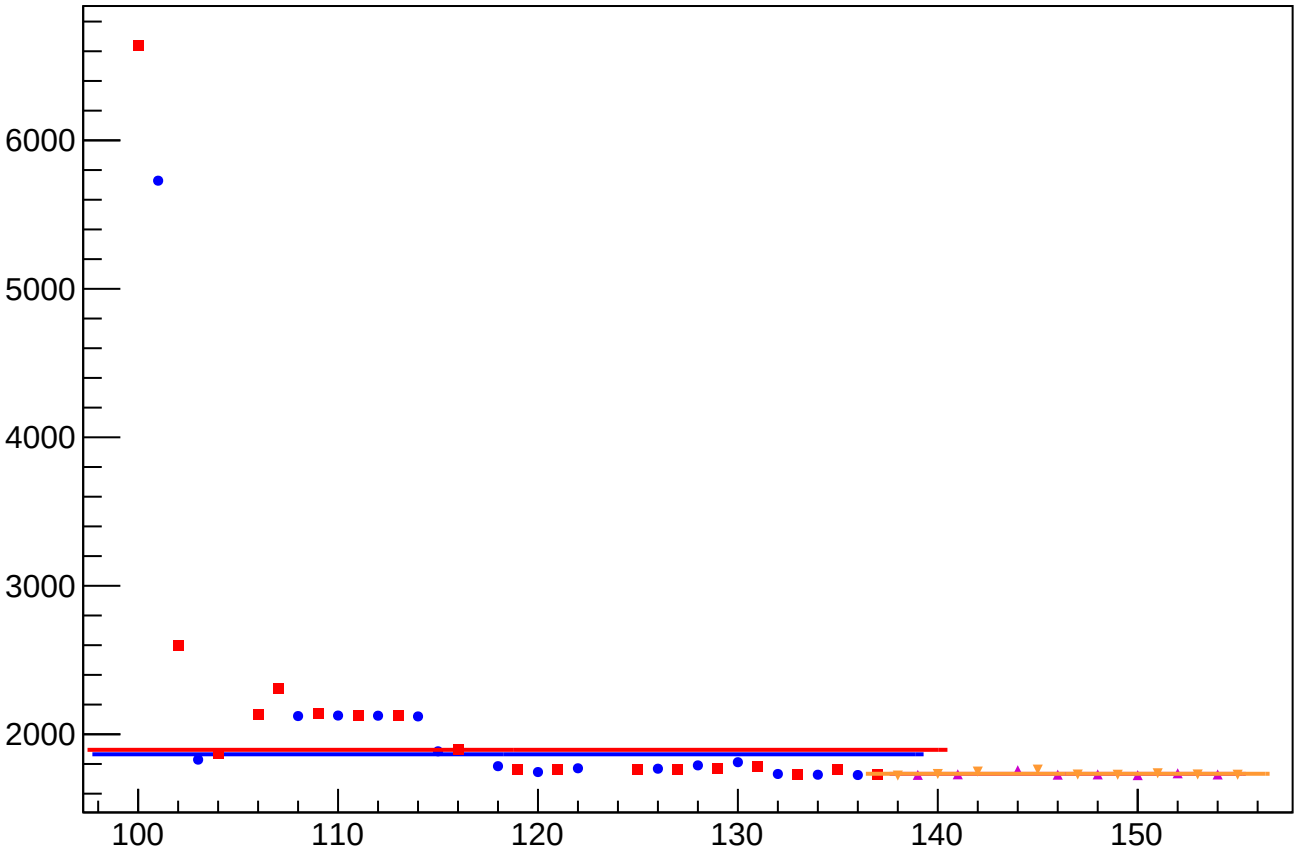
Left: -691.762+/-462.316 χ^2/NDF: 18.3/16

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -226.991+/-480.965 χ^2/NDF:28.6/23

Out: -330.707+/-481.568 χ^2/NDF:28.9/26

All: -278.784+/-340.307 χ^2/NDF: 57.6/50



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.014+/-0.462 χ^2/NDF:629.9/8

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1733.145+/-0.463 χ^2/NDF:464.6/7

Left: 1733.579+/-0.327 χ^2/NDF: 1096.3/16

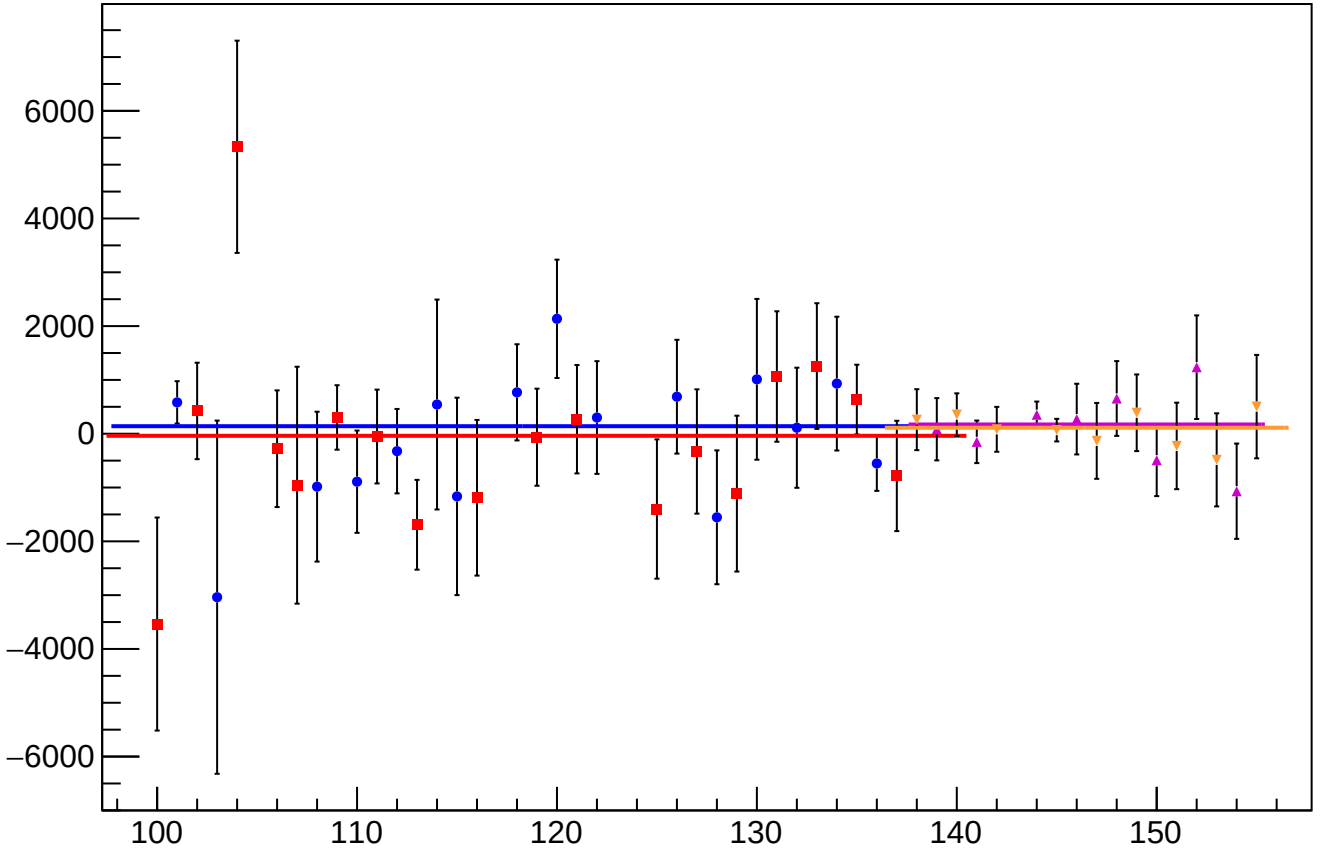
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1793.782+/-0.340 χ^2/NDF:710615.0/23

Out: 1807.708+/-0.341 χ^2/NDF:307073.7/26

All: 1800.736+/-0.241 χ^2/NDF: 1018526.0/50

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: 111.175+/-147.615 χ^2/NDF:1.6/8

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 171.650+/-168.972 χ^2/NDF:5.9/7

Left: 137.352+/-111.168 χ^2/NDF: 7.6/16

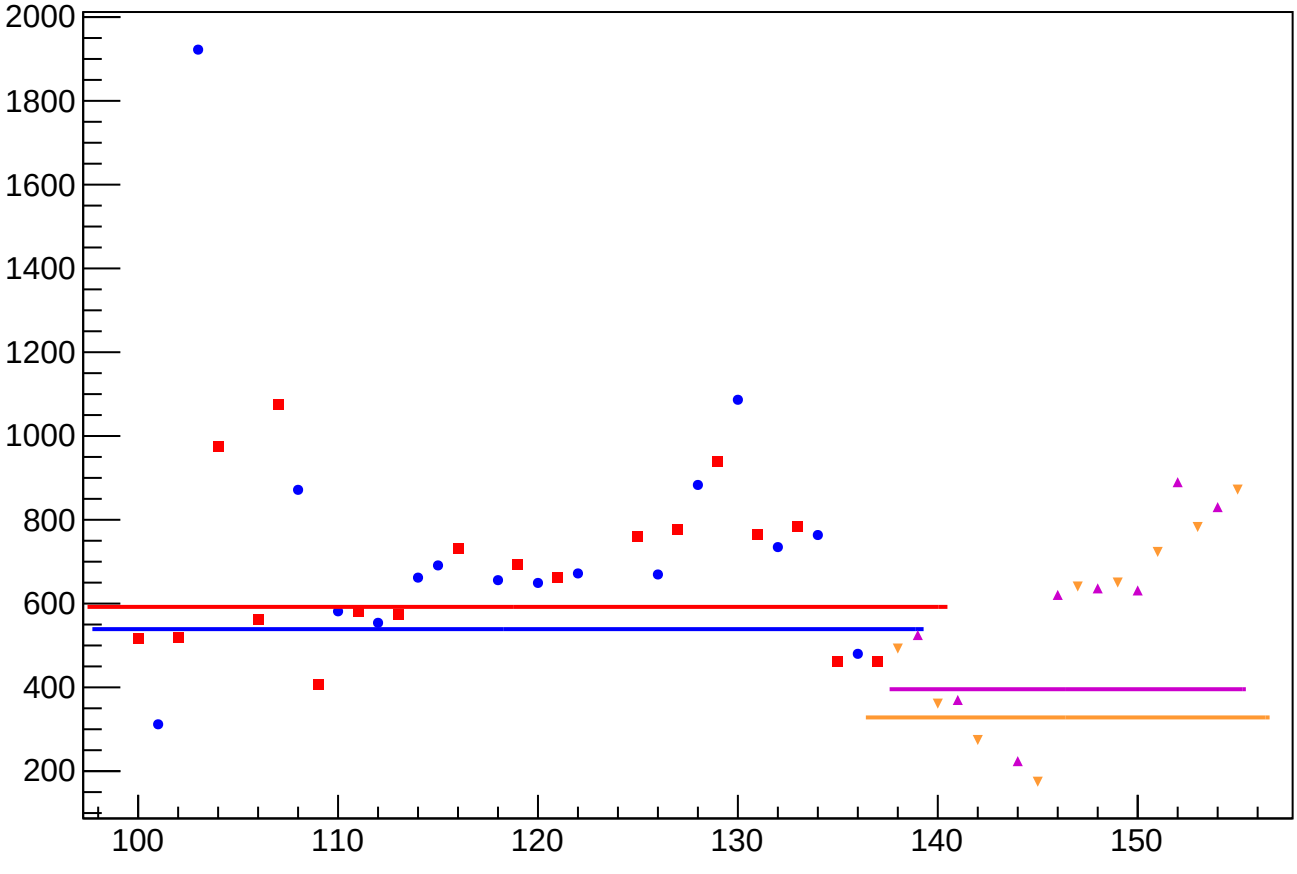
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 159.839+/-134.030 χ^2/NDF:19.4/23

Out: 69.621+/-125.483 χ^2/NDF:23.3/26

All: 111.762+/-91.602 χ^2/NDF: 42.9/50

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: 328.237+/-0.104 χ^2/NDF:3761954.2/8

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 395.576+/-0.119 χ^2/NDF:2822972.1/7

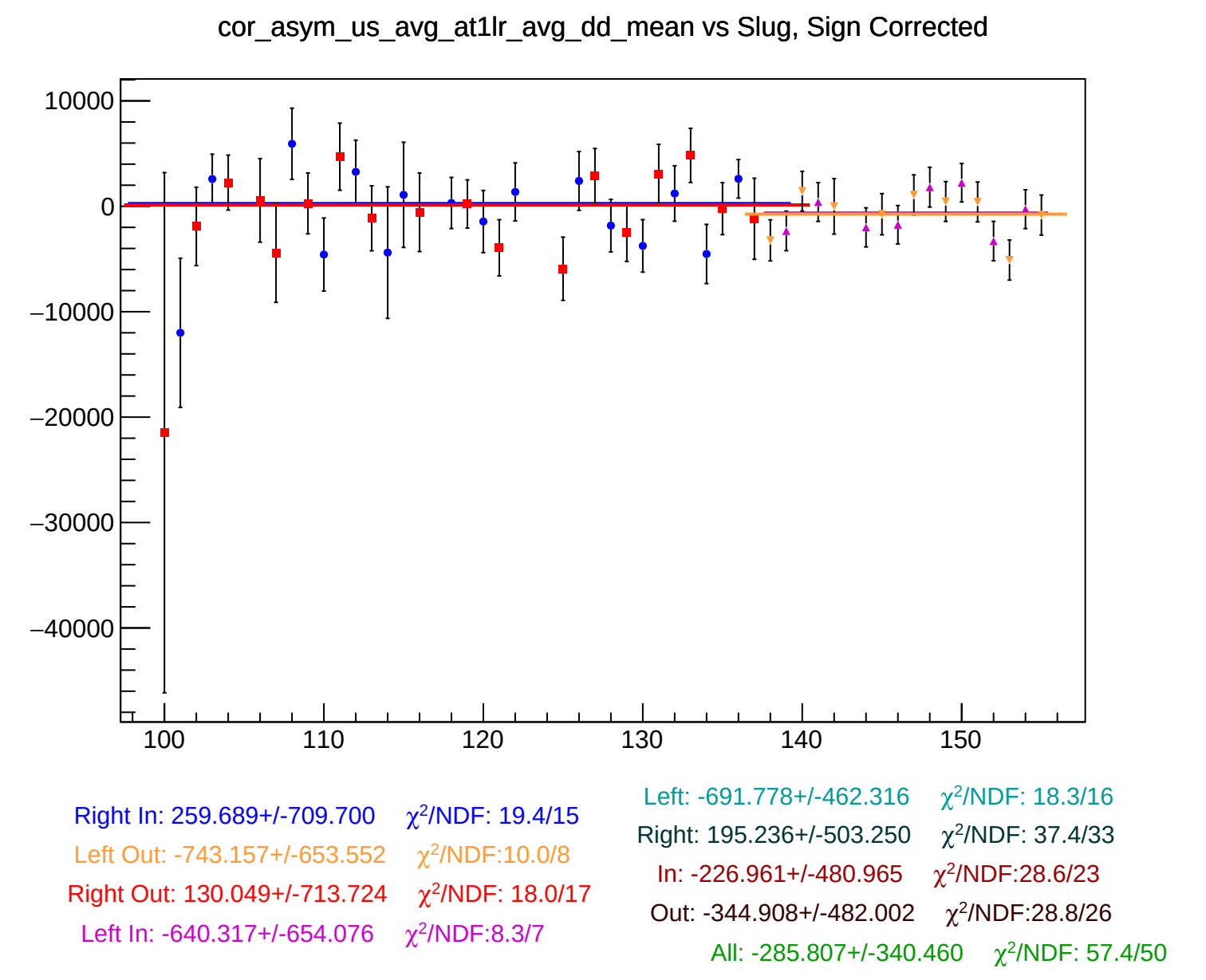
Left: 357.384+/-0.079 χ^2/NDF: 6765077.4/16

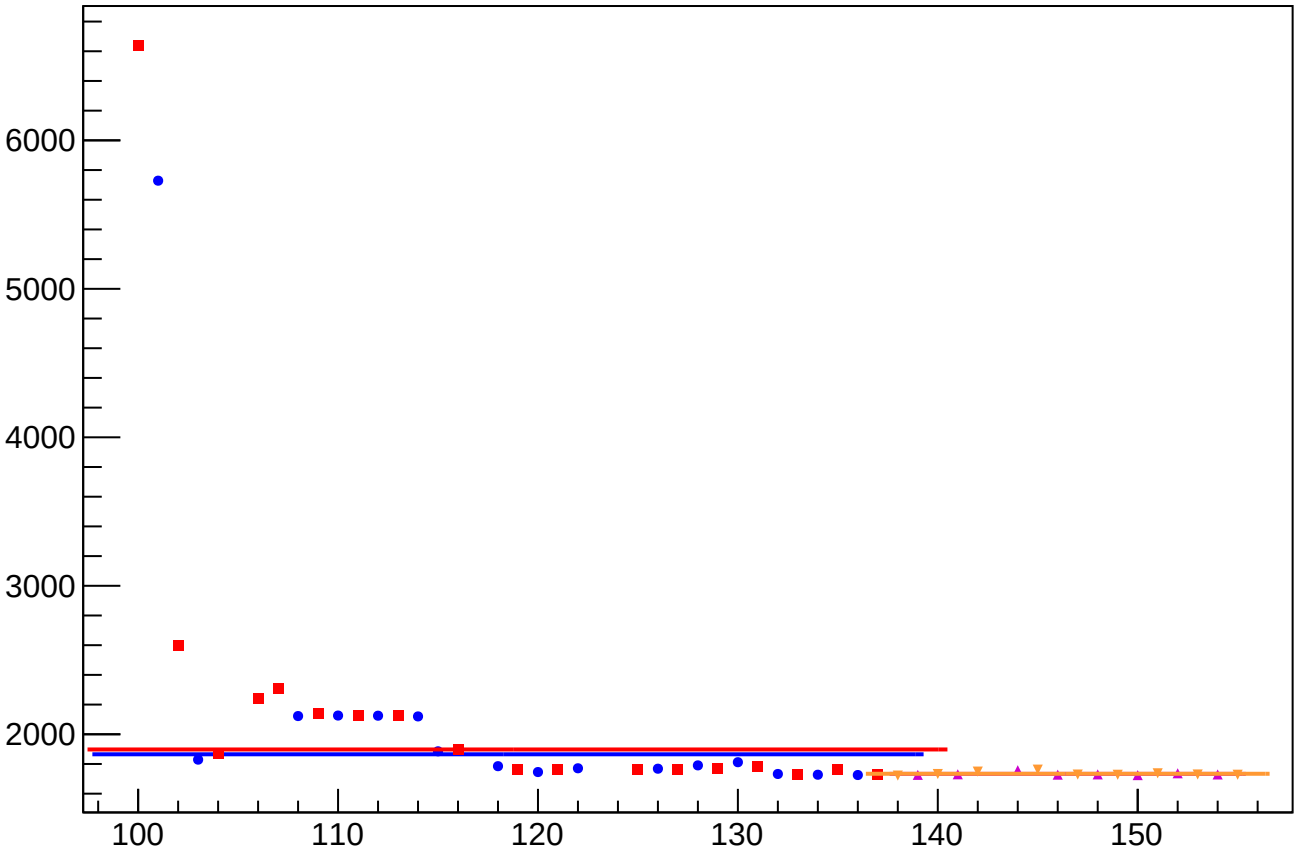
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 448.766+/-0.095 χ^2/NDF:5211999.1/23

Out: 401.430+/-0.089 χ^2/NDF:6377649.8/26

All: 423.541+/-0.065 χ^2/NDF: 11722590.6/50


cor_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: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -743.157+/-653.552 χ²/NDF:10.0/8
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -640.317+/-654.076 χ²/NDF:8.3/7
Left: -691.778+/-462.316 χ²/NDF: 18.3/16
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -226.961+/-480.965 χ²/NDF:28.6/23
Out: -344.908+/-482.002 χ²/NDF:28.8/26
All: -285.807+/-340.460 χ²/NDF: 57.4/50



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.014+/-0.462 χ^2/NDF:629.9/8

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.145+/-0.463 χ^2/NDF:464.6/7

Left: 1733.579+/-0.327 χ^2/NDF: 1096.3/16

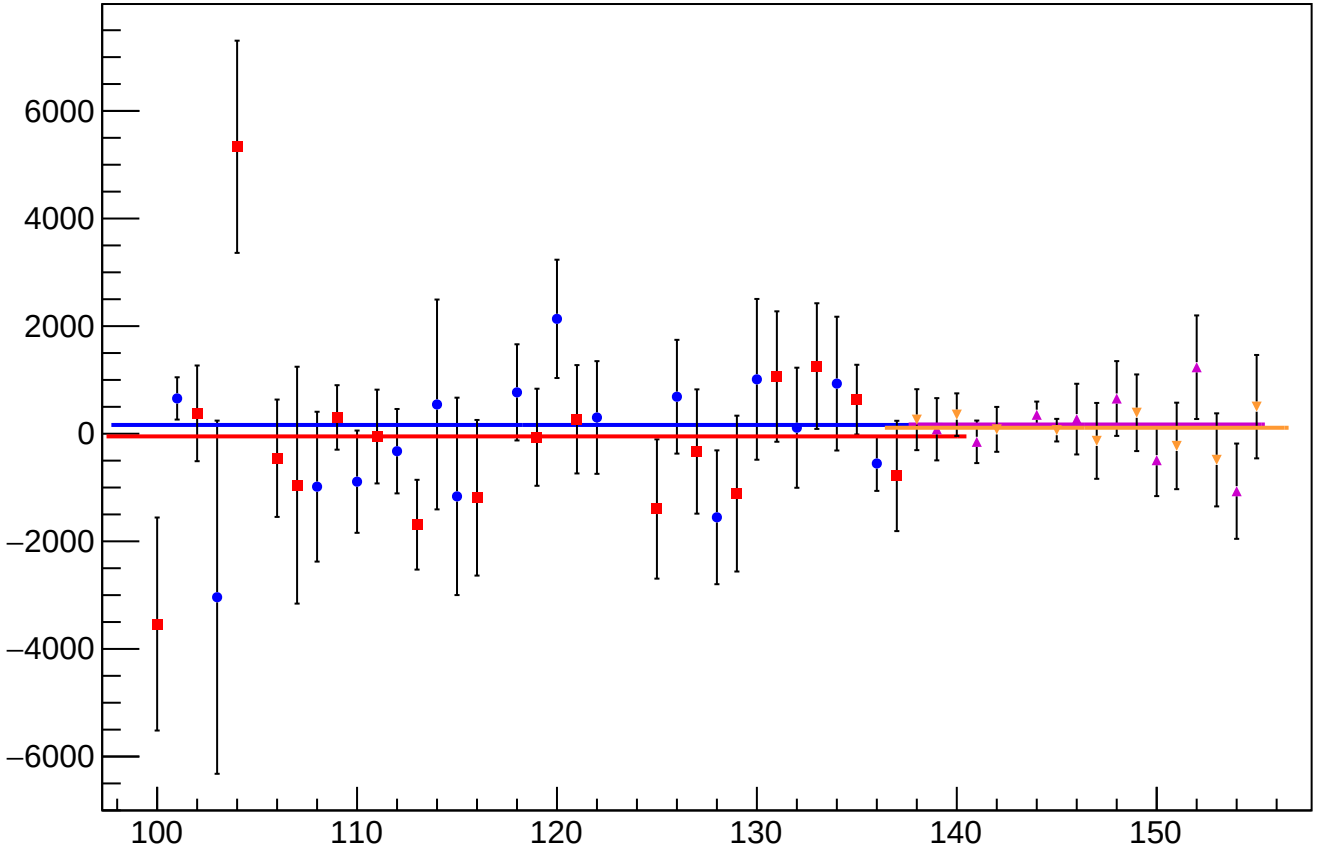
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1793.781+/-0.340 χ^2/NDF:710614.8/23

Out: 1808.667+/-0.341 χ^2/NDF:315583.2/26

All: 1801.208+/-0.241 χ^2/NDF: 1027153.8/50

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: 111.045+/-147.618 χ^2/NDF:1.6/8

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 171.649+/-168.972 χ^2/NDF:5.9/7

Left: 137.278+/-111.170 χ^2/NDF: 7.6/16

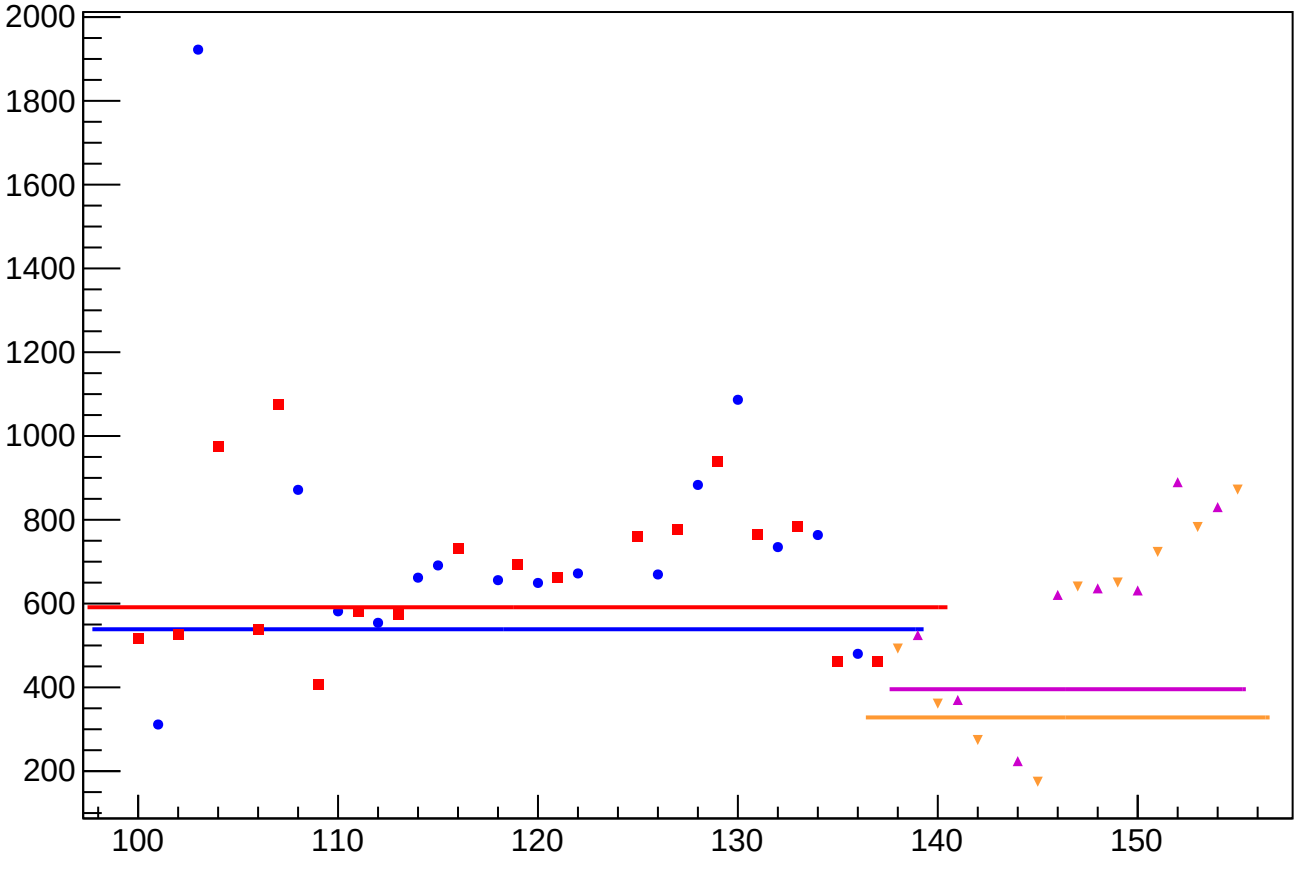
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 168.496+/-134.013 χ^2/NDF:19.8/23

Out: 66.462+/-125.476 χ^2/NDF:23.4/26

All: 114.126+/-91.595 χ^2/NDF: 43.5/50

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: 328.244+/-0.104 χ^2/NDF:3761905.7/8

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 395.585+/-0.119 χ^2/NDF:2822716.4/7

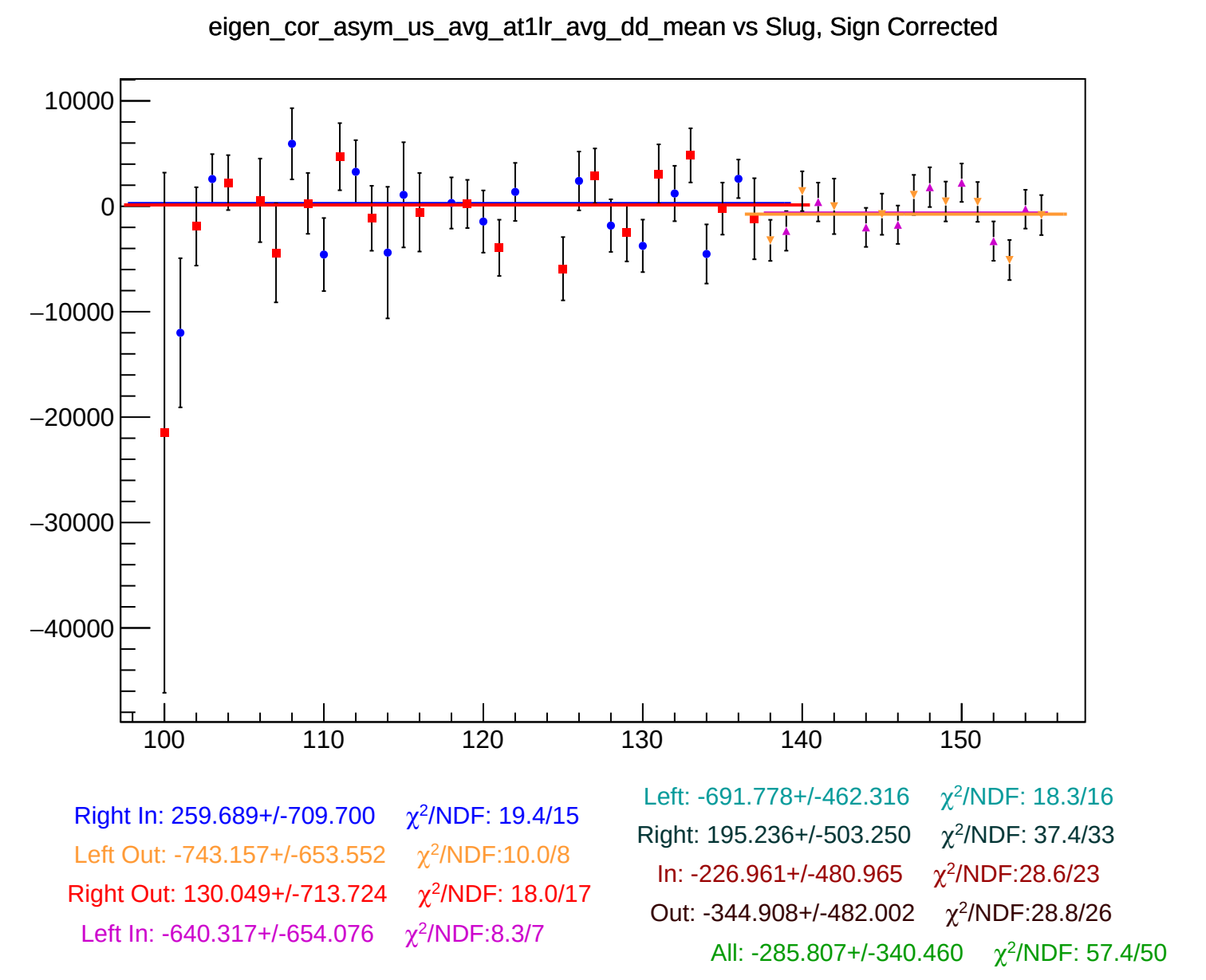
Left: 357.393+/-0.079 χ^2/NDF: 6764774.4/16

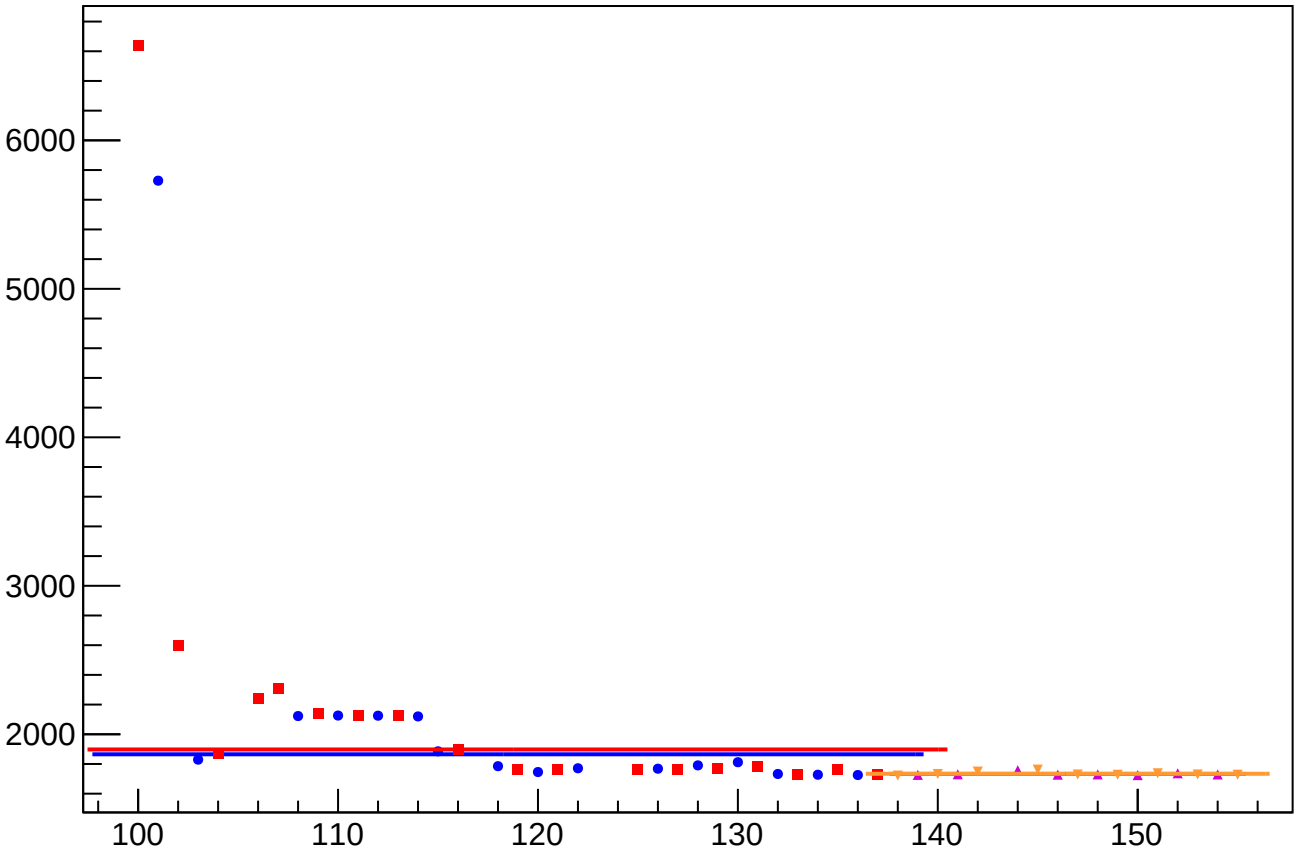
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 448.679+/-0.095 χ^2/NDF:5213894.6/23

Out: 401.224+/-0.089 χ^2/NDF:6368009.9/26

All: 423.392+/-0.065 χ^2/NDF: 11715539.5/50


eigen_cor_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: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -743.157+/-653.552 χ²/NDF:10.0/8
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -640.317+/-654.076 χ²/NDF:8.3/7
Left: -691.778+/-462.316 χ²/NDF: 18.3/16
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -226.961+/-480.965 χ²/NDF:28.6/23
Out: -344.908+/-482.002 χ²/NDF:28.8/26
All: -285.807+/-340.460 χ²/NDF: 57.4/50



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.014+/-0.462 χ^2/NDF:629.9/8

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.145+/-0.463 χ^2/NDF:464.6/7

Left: 1733.579+/-0.327 χ^2/NDF: 1096.3/16

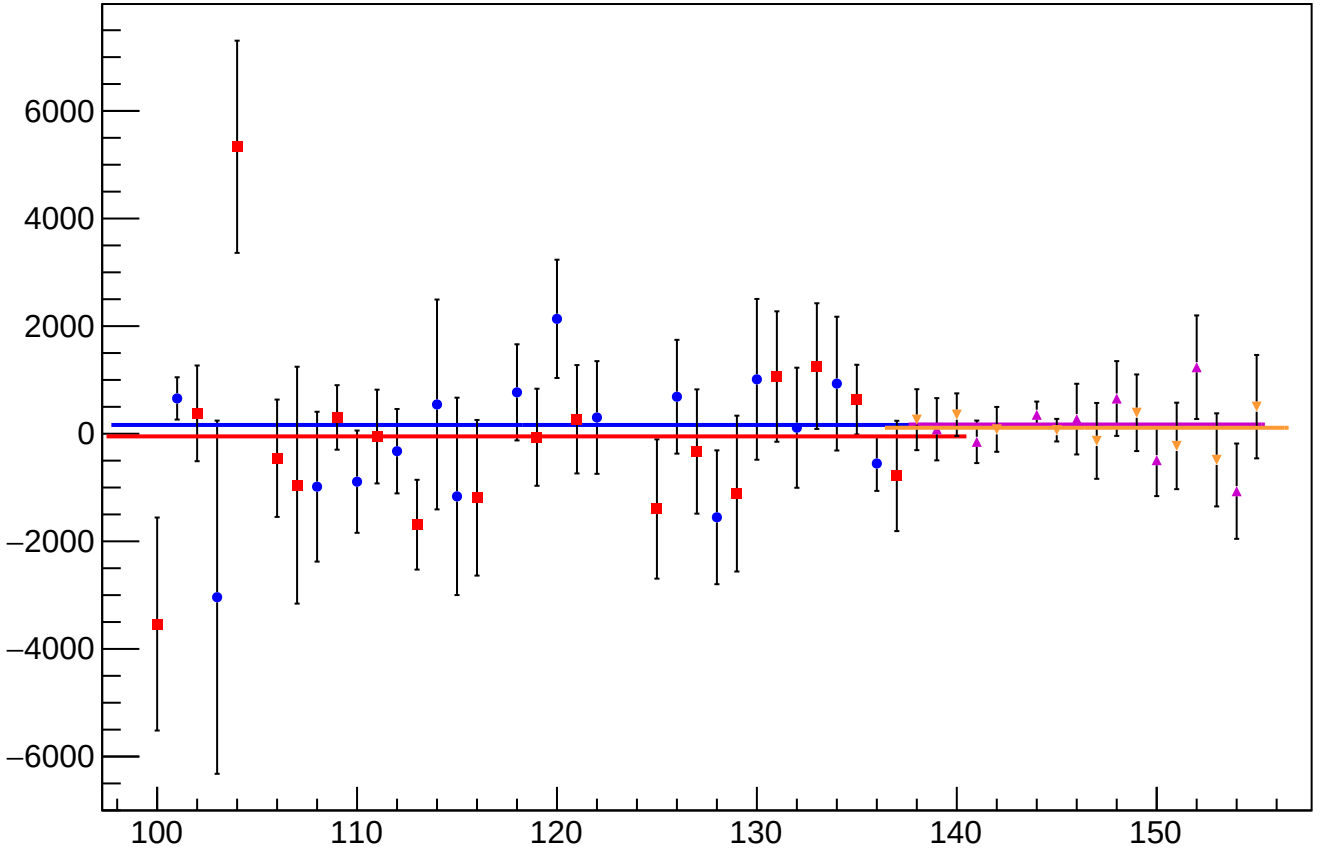
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1793.781+/-0.340 χ^2/NDF:710614.8/23

Out: 1808.667+/-0.341 χ^2/NDF:315583.2/26

All: 1801.208+/-0.241 χ^2/NDF: 1027153.8/50

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: 111.045+/-147.618 χ^2/NDF:1.6/8

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 171.649+/-168.972 χ^2/NDF:5.9/7

Left: 137.278+/-111.170 χ^2/NDF: 7.6/16

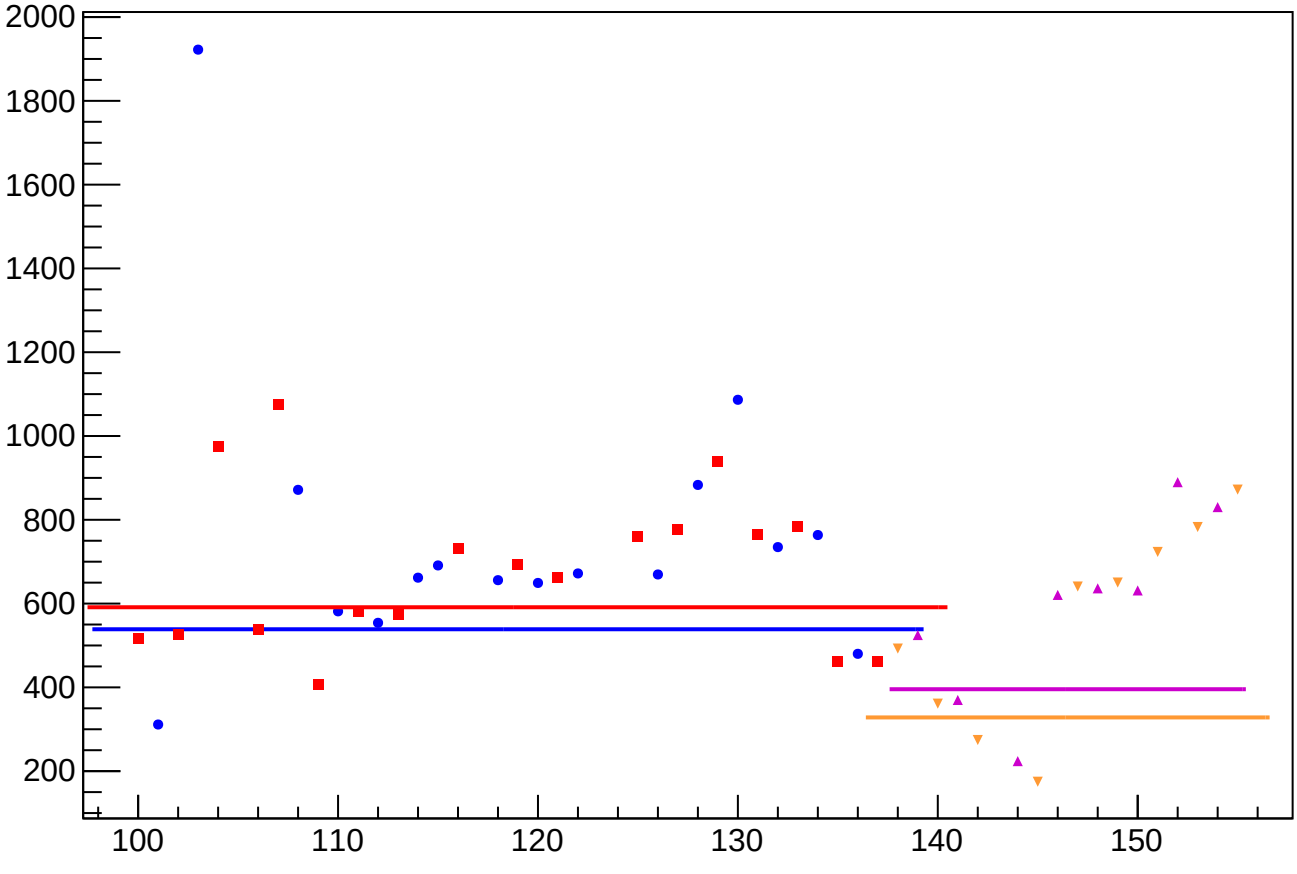
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 168.496+/-134.013 χ^2/NDF:19.8/23

Out: 66.462+/-125.476 χ^2/NDF:23.4/26

All: 114.126+/-91.595 χ^2/NDF: 43.5/50

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: 328.244+/-0.104 χ^2/NDF:3761905.7/8

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 395.585+/-0.119 χ^2/NDF:2822716.4/7

Left: 357.393+/-0.079 χ^2/NDF: 6764774.4/16

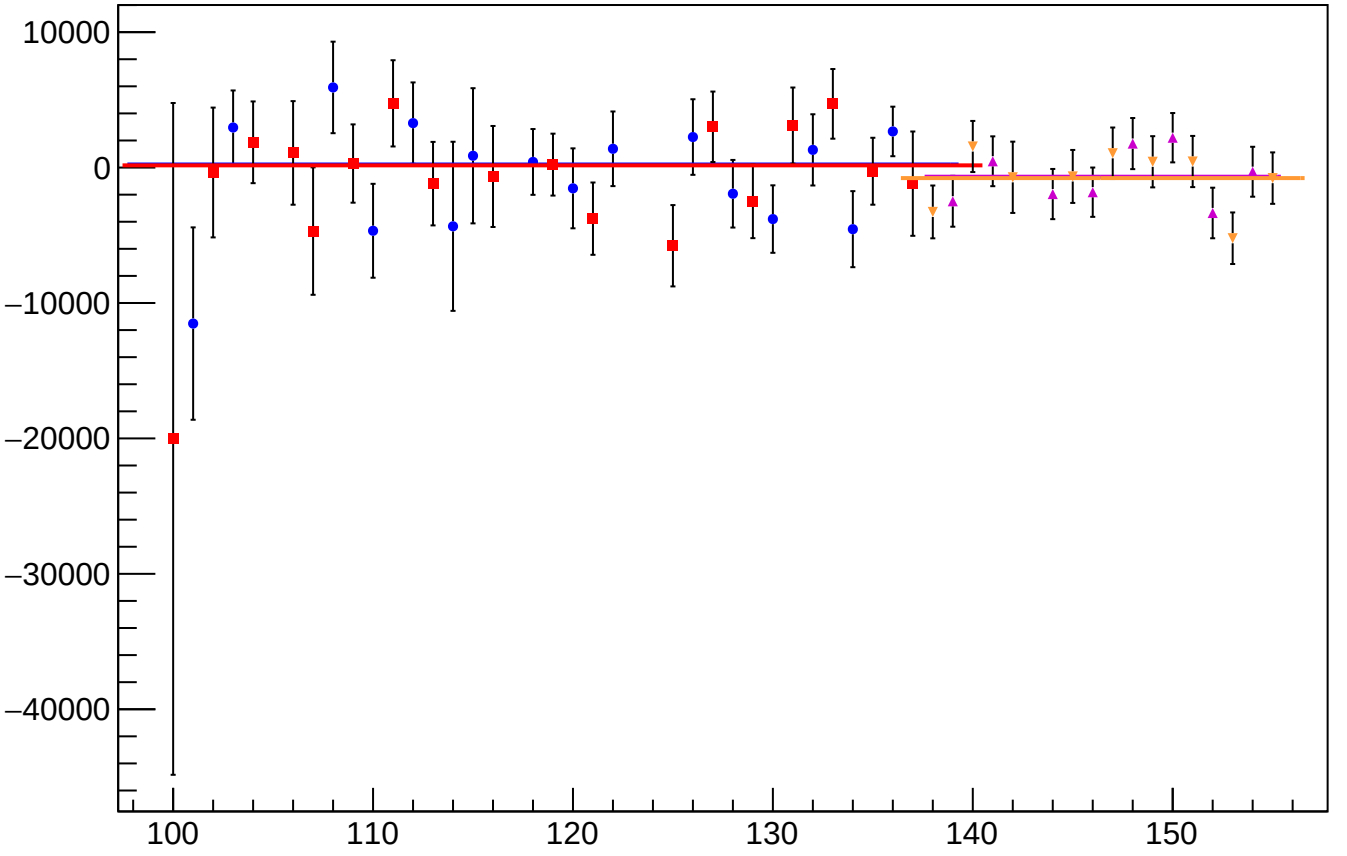
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 448.679+/-0.095 χ^2/NDF:5213894.6/23

Out: 401.224+/-0.089 χ^2/NDF:6368009.9/26

All: 423.392+/-0.065 χ^2/NDF: 11715539.5/50

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -776.813+/-653.916 χ^2/NDF:10.4/8

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -674.867+/-654.489 χ^2/NDF:8.5/7

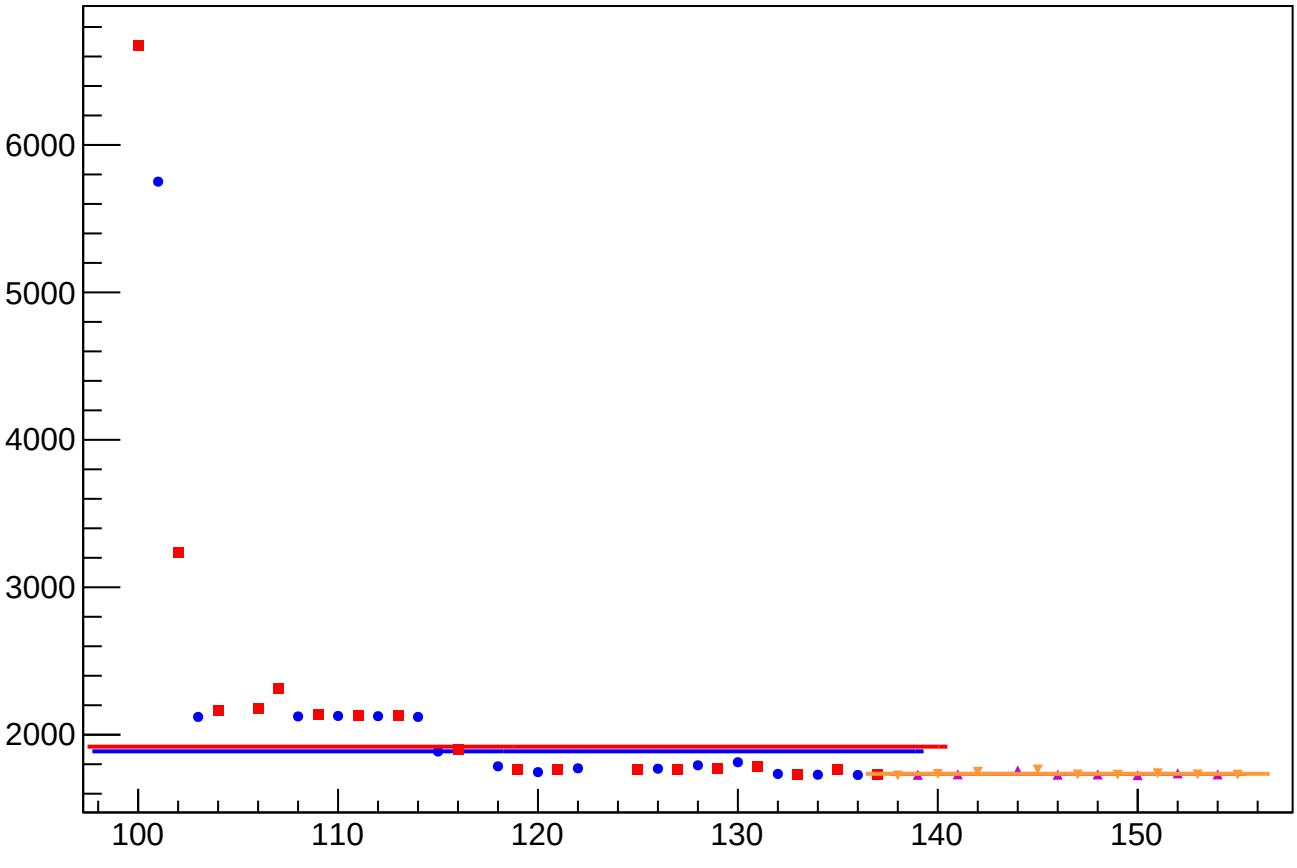
Left: -725.885+/-462.591 χ^2/NDF: 18.8/16

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -266.275+/-483.861 χ^2/NDF:28.7/23

Out: -355.420+/-485.819 χ^2/NDF:28.3/26

All: -310.667+/-342.832 χ^2/NDF: 57.1/50



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.975+/-0.462 χ^2/NDF:624.6/8

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1734.237+/-0.463 χ^2/NDF:454.4/7

Left: 1734.606+/-0.327 χ^2/NDF: 1080.3/16

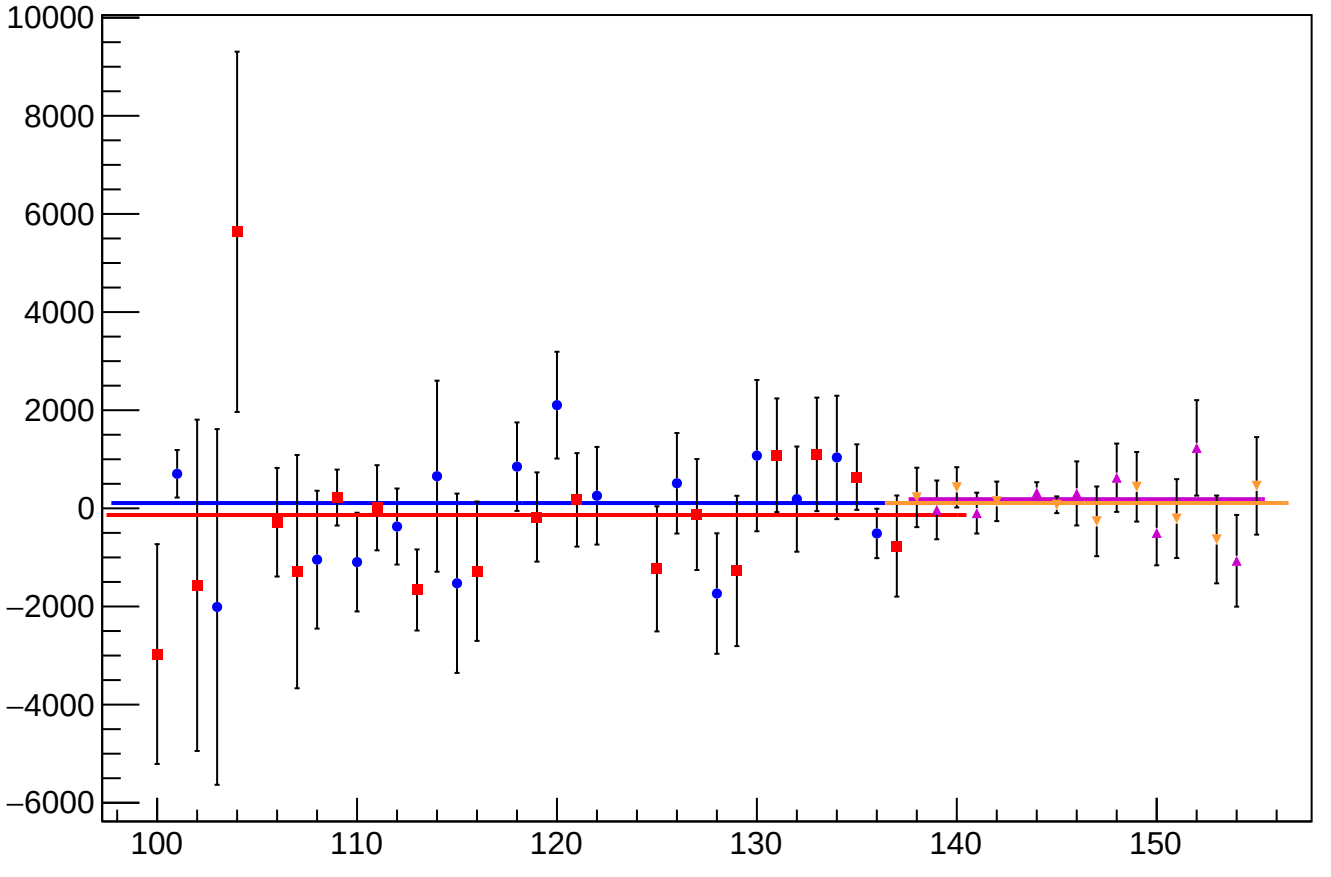
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1803.646+/-0.342 χ^2/NDF:739504.4/23

Out: 1817.499+/-0.344 χ^2/NDF:424285.8/26

All: 1810.545+/-0.242 χ^2/NDF: 1164606.7/50

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: 109.596+/-132.347 χ^2/NDF:2.2/8

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 187.015+/-158.808 χ^2/NDF:5.5/7

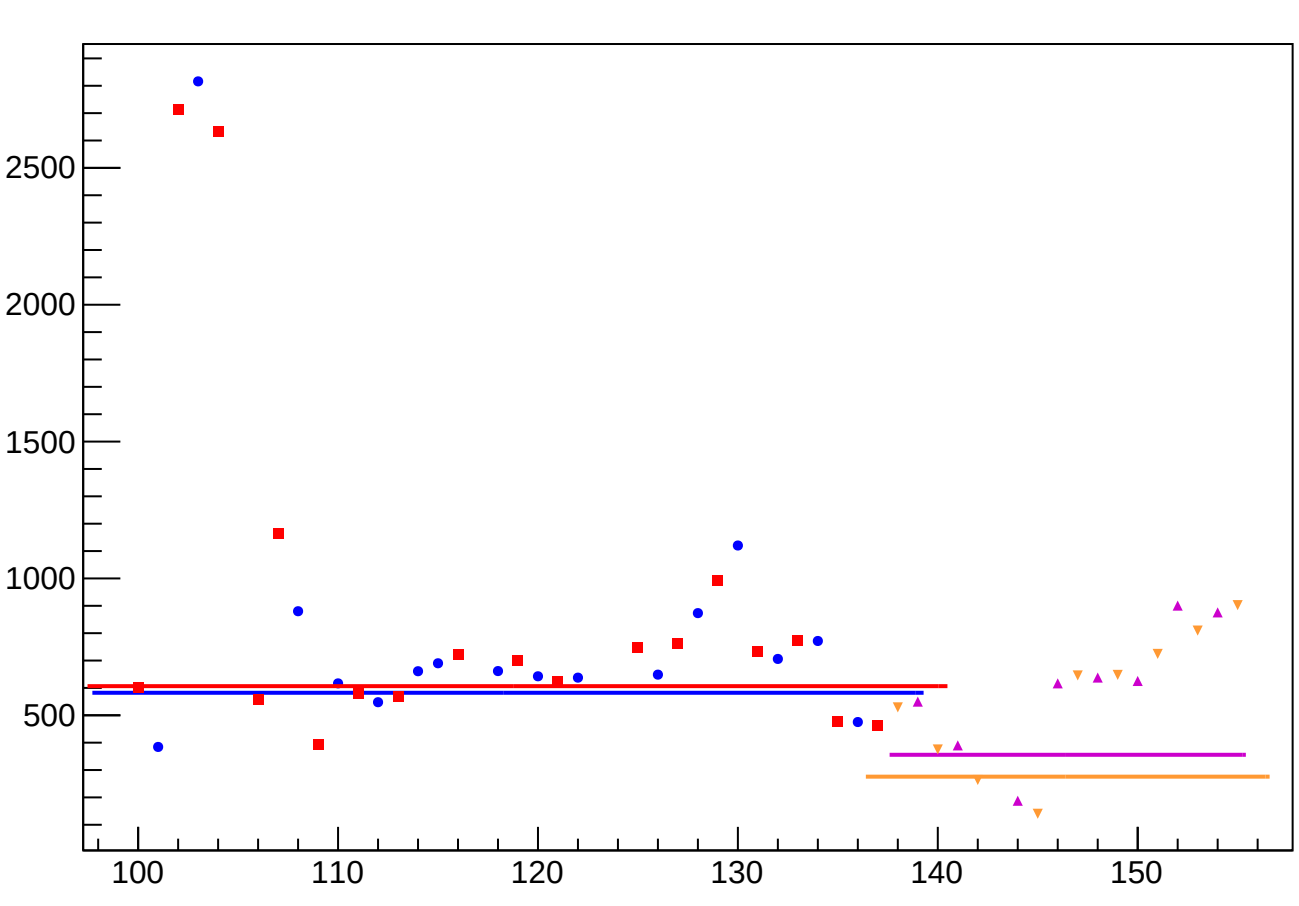
Left: 141.327+/-101.669 χ^2/NDF: 7.8/16

Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 161.803+/-130.994 χ^2/NDF:19.7/23

Out: 54.589+/-116.543 χ^2/NDF:17.3/26

All: 101.958+/-87.071 χ^2/NDF: 37.4/50



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 275.788+/-0.094 χ^2/NDF:4957457.9/8

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 355.680+/-0.112 χ^2/NDF:3704620.9/7

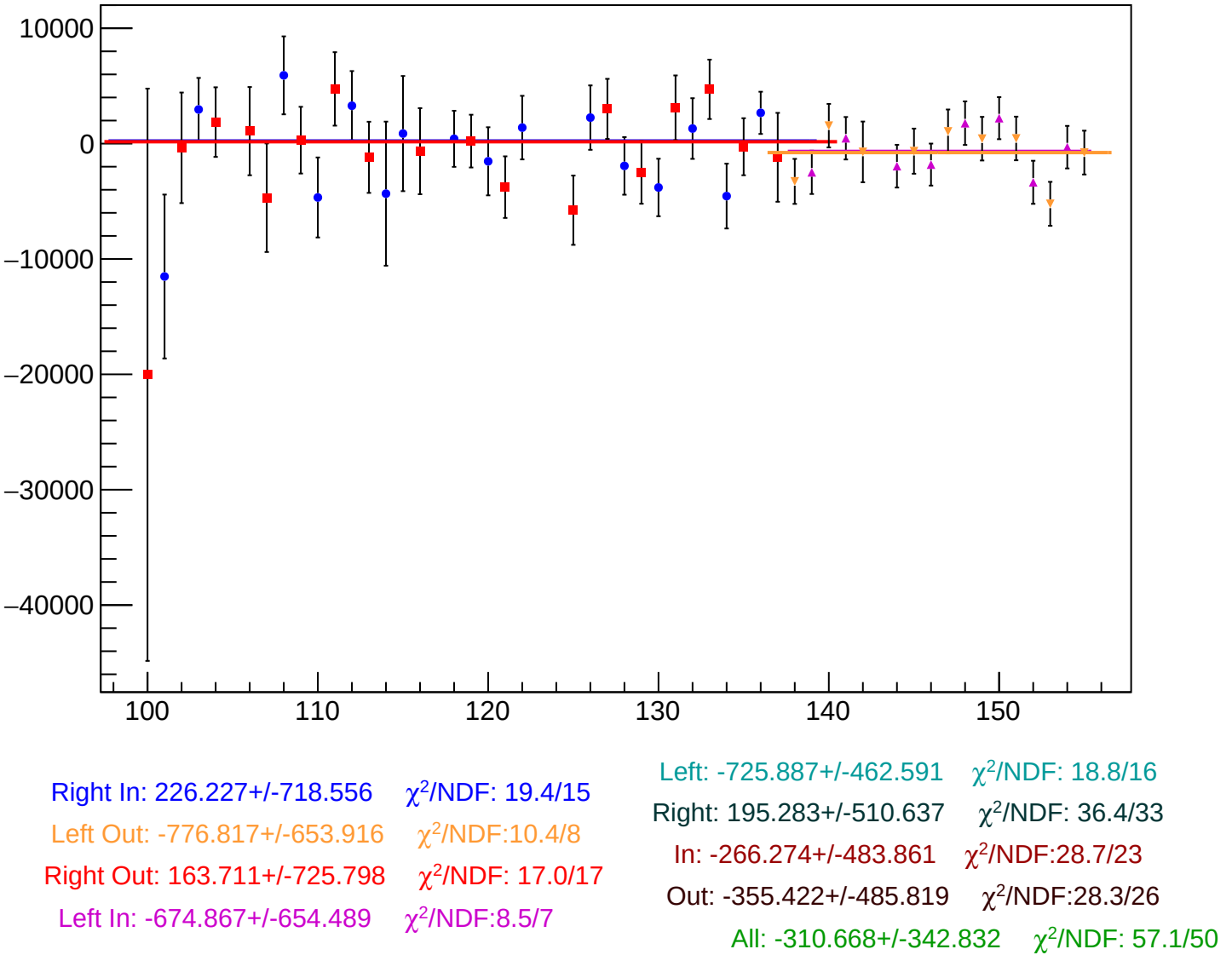
Left: 308.532+/-0.072 χ^2/NDF: 8960788.8/16

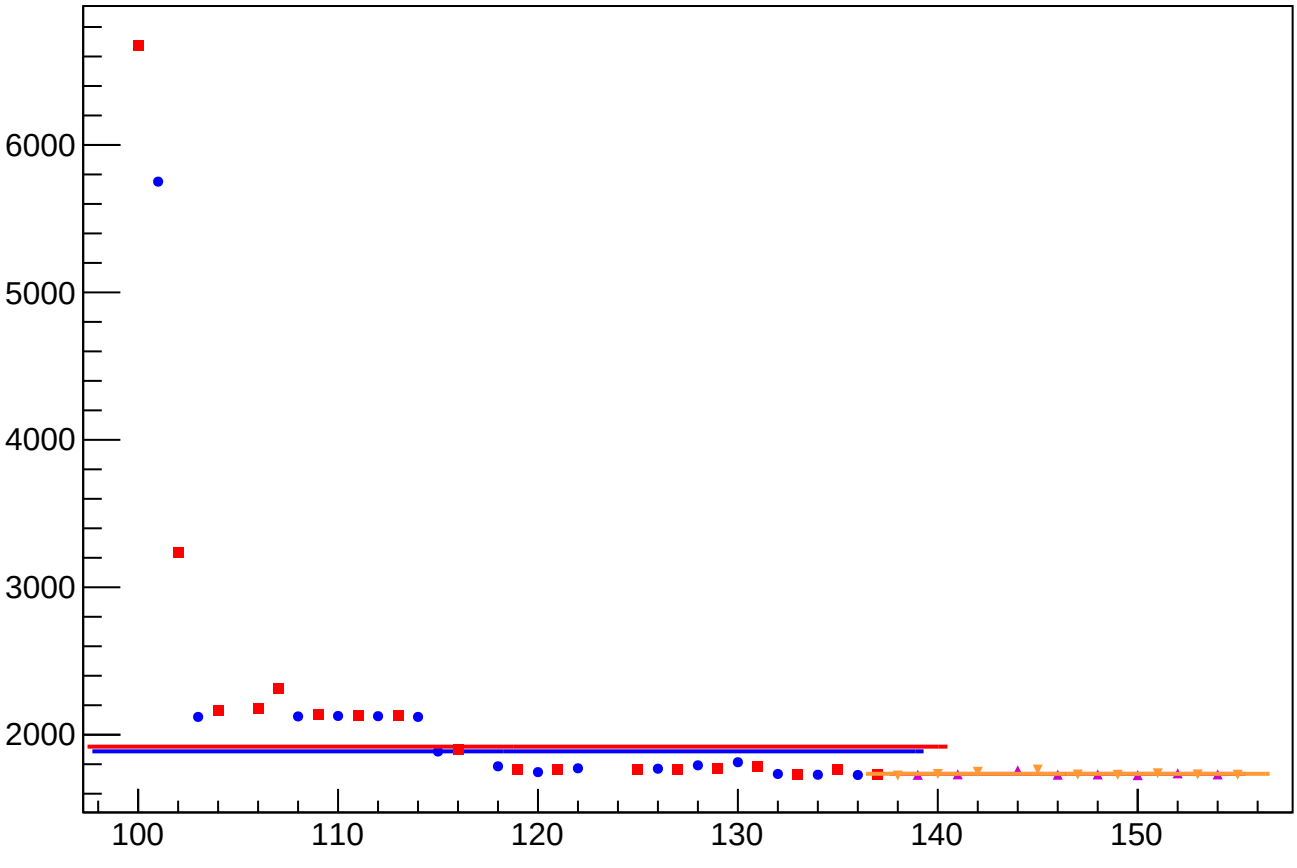
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 428.099+/-0.093 χ^2/NDF:6760234.4/23

Out: 350.042+/-0.082 χ^2/NDF:9959441.6/26

All: 384.529+/-0.062 χ^2/NDF: 17116065.9/50


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: -776.817+/-653.916 χ²/NDF:10.4/8
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -674.867+/-654.489 χ²/NDF:8.5/7
Left: -725.887+/-462.591 χ²/NDF: 18.8/16
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -266.274+/-483.861 χ²/NDF:28.7/23
Out: -355.422+/-485.819 χ²/NDF:28.3/26
All: -310.668+/-342.832 χ²/NDF: 57.1/50



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1734.975+/-0.462 χ^2/NDF:624.6/8

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1734.237+/-0.463 χ^2/NDF:454.4/7

Left: 1734.606+/-0.327 χ^2/NDF: 1080.3/16

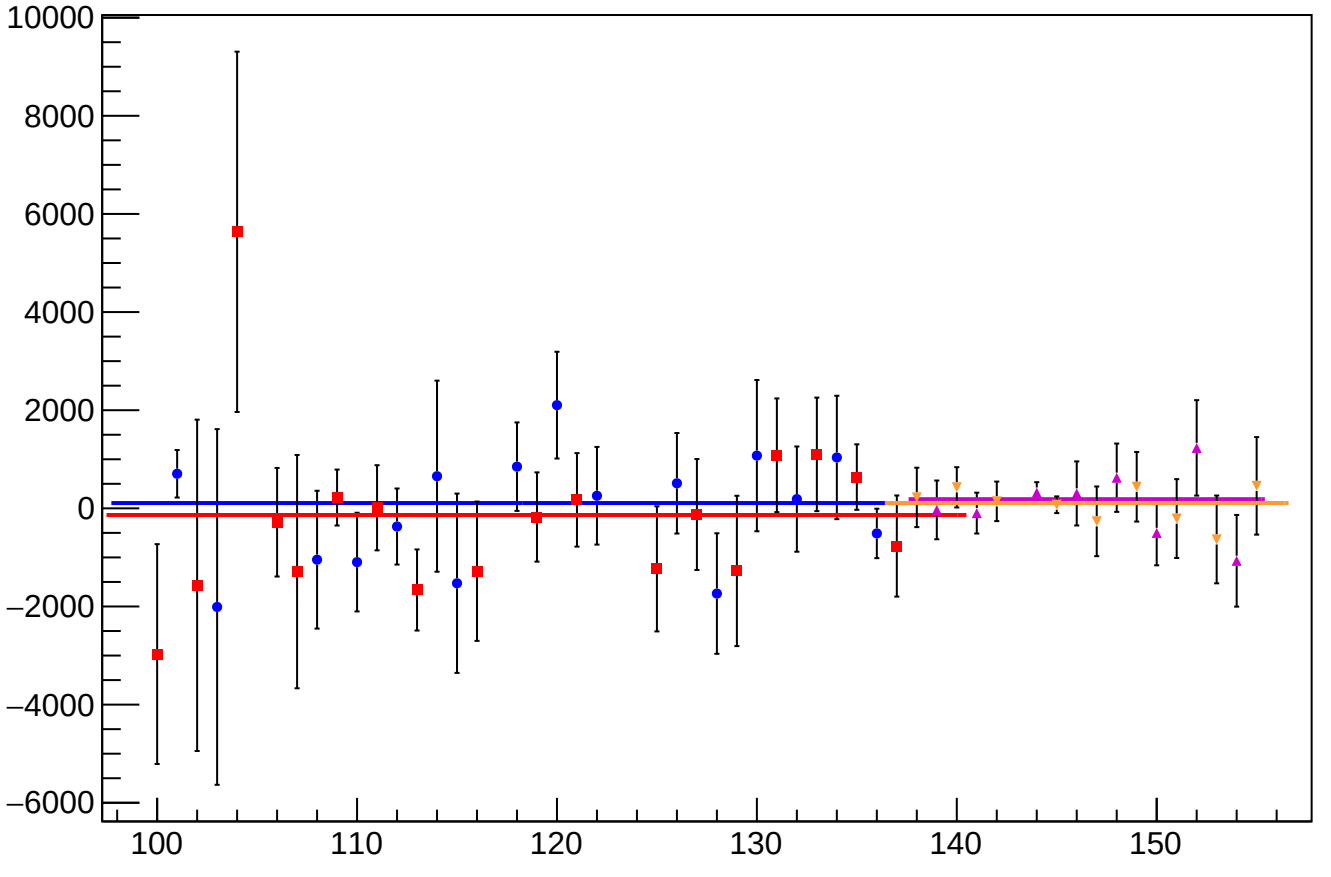
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1803.646+/-0.342 χ^2/NDF:739504.1/23

Out: 1817.499+/-0.344 χ^2/NDF:424285.0/26

All: 1810.545+/-0.242 χ^2/NDF: 1164605.5/50

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: 109.595+/-132.347 χ^2/NDF:2.2/8

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 187.015+/-158.808 χ^2/NDF:5.5/7

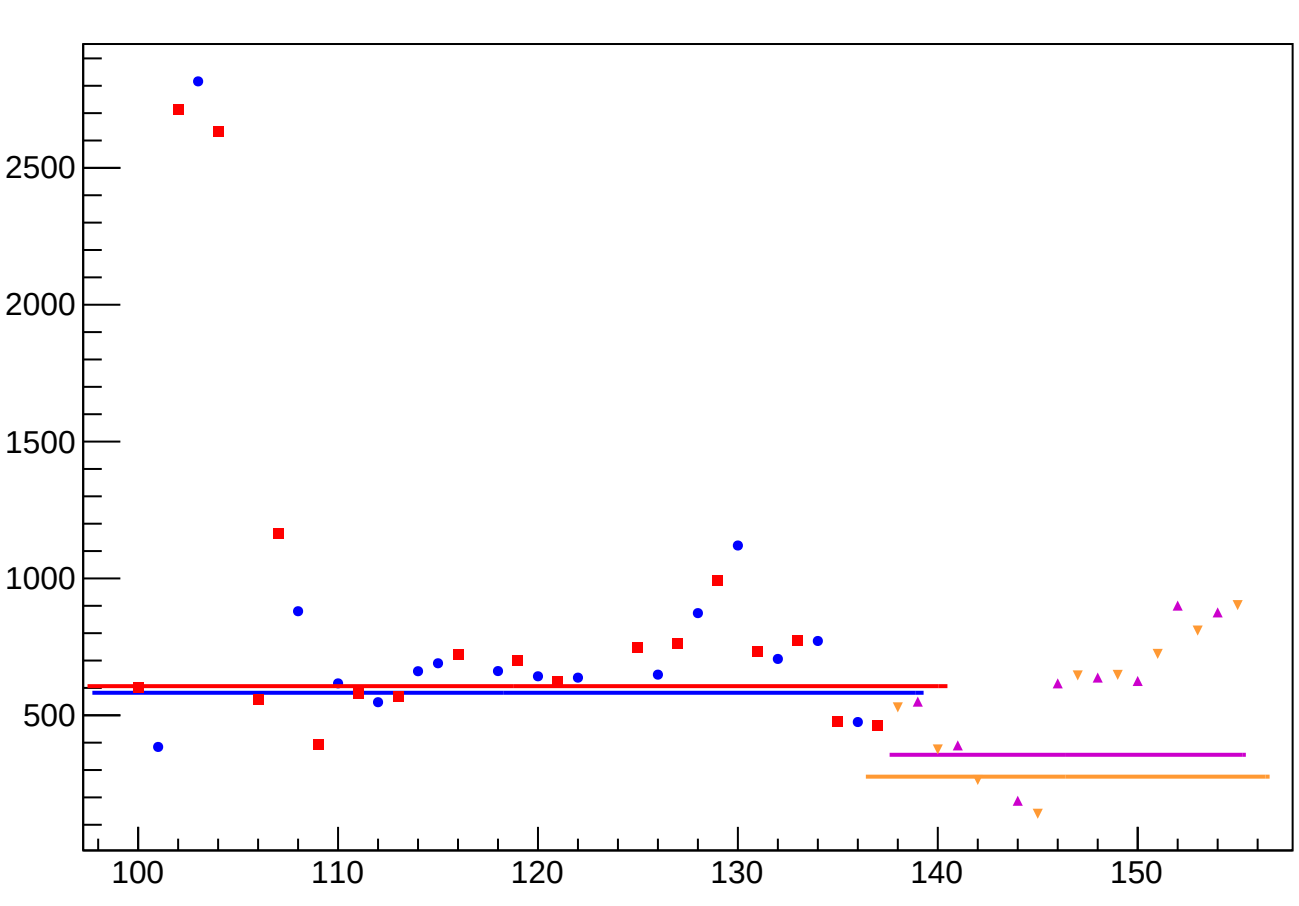
Left: 141.326+/-101.670 χ^2/NDF: 7.8/16

Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 161.802+/-130.994 χ^2/NDF:19.7/23

Out: 54.587+/-116.543 χ^2/NDF:17.3/26

All: 101.957+/-87.071 χ^2/NDF: 37.4/50



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 275.787+/-0.094 χ^2/NDF:4957480.3/8

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 355.680+/-0.112 χ^2/NDF:3704633.5/7

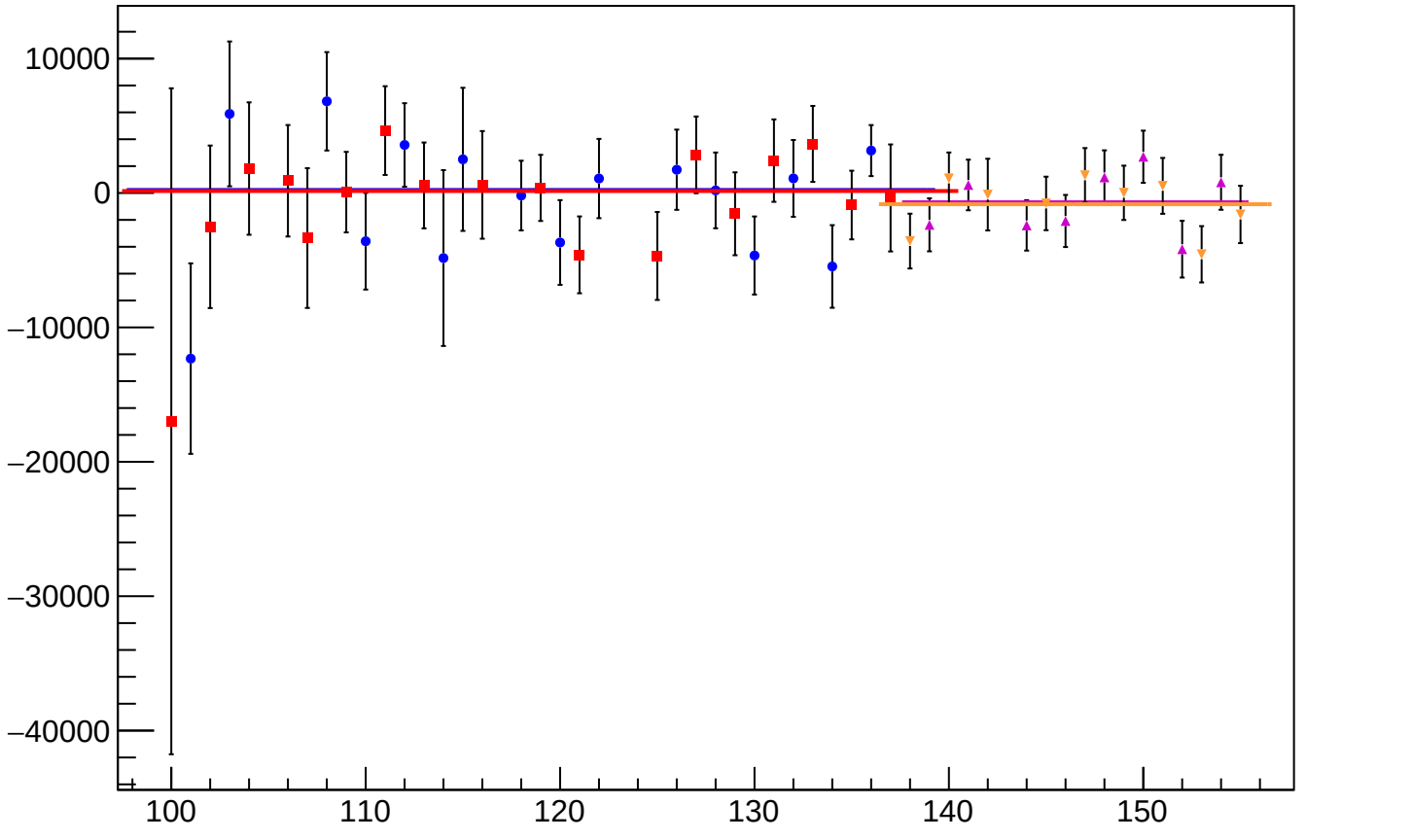
Left: 308.532+/-0.072 χ^2/NDF: 8960826.5/16

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 428.099+/-0.093 χ^2/NDF:6760215.4/23

Out: 350.042+/-0.082 χ^2/NDF:9959440.3/26

All: 384.529+/-0.062 χ^2/NDF: 17116049.9/50



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -833.432+/-695.125 χ^2/NDF:7.9/8

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -689.991+/-695.660 χ^2/NDF:9.7/7

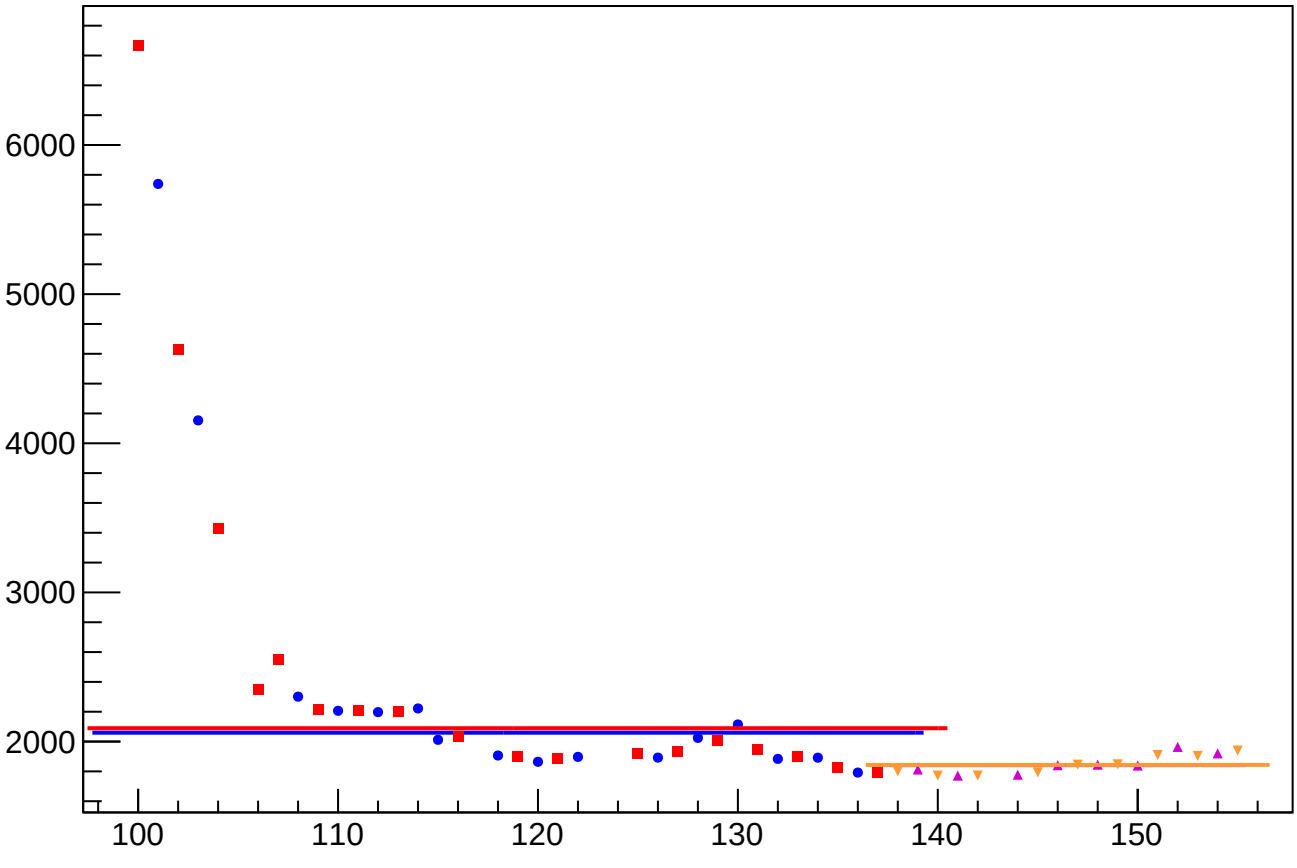
Left: -761.767+/-491.717 χ^2/NDF: 17.6/16

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -291.528+/-522.574 χ^2/NDF:31.6/23

Out: -407.715+/-523.064 χ^2/NDF:20.3/26

All: -349.567+/-369.689 χ^2/NDF: 52.0/50



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1843.214+/-0.492 χ^2/NDF:14025.6/8

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1842.247+/-0.492 χ^2/NDF:15268.0/7

Left: 1842.731+/-0.348 χ^2/NDF: 29295.6/16

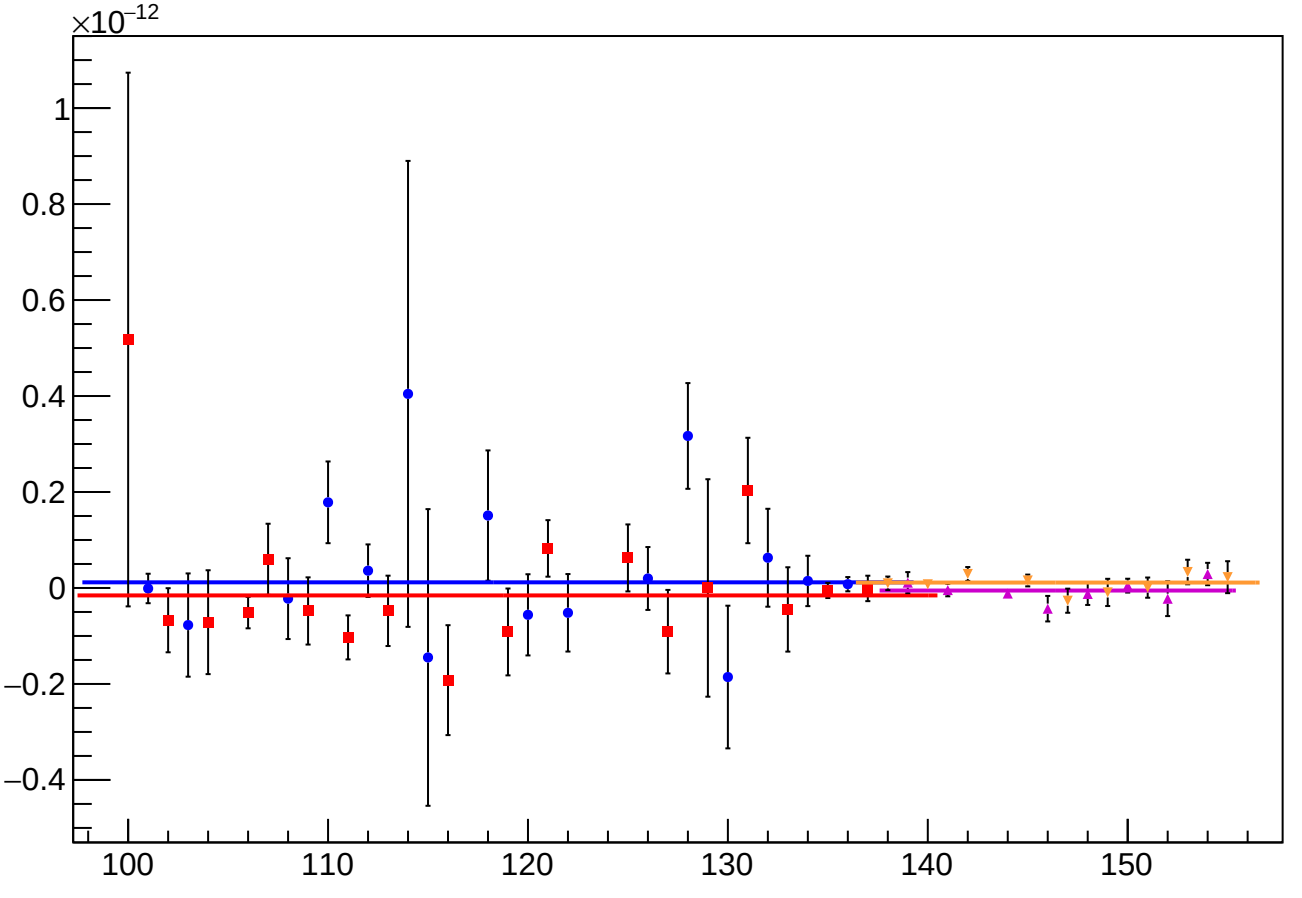
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1936.905+/-0.370 χ^2/NDF:1040127.9/23

Out: 1950.038+/-0.370 χ^2/NDF:804378.2/26

All: 1943.466+/-0.261 χ^2/NDF: 1845137.1/50

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:5.7/8

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: -0.000+/-0.000 χ^2/NDF:6.0/7

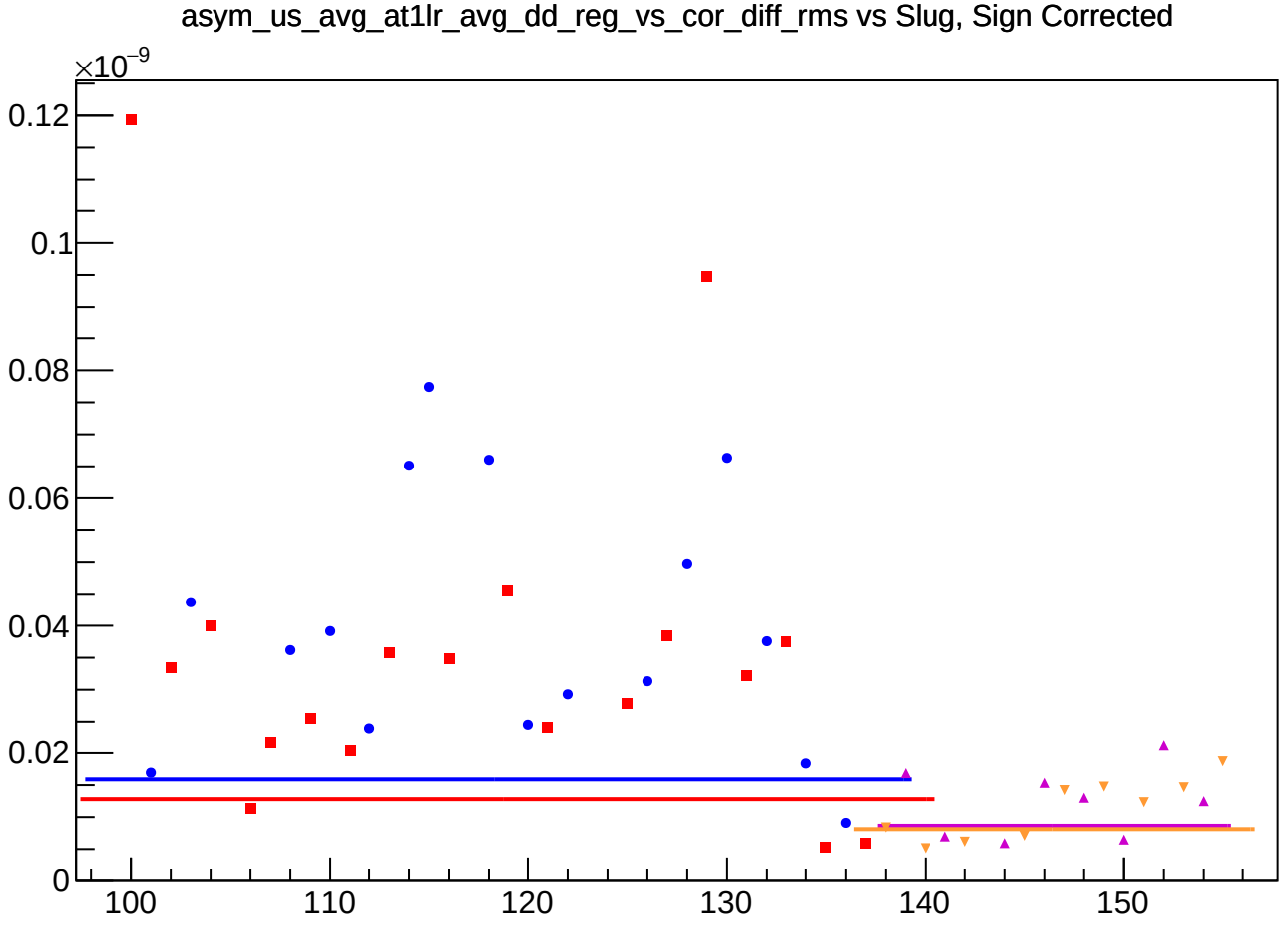
Left: 0.000+/-0.000 χ^2/NDF: 16.2/16

Right: -0.000+/-0.000 χ^2/NDF: 41.8/33

In: -0.000+/-0.000 χ^2/NDF:25.8/23

Out: 0.000+/-0.000 χ^2/NDF:31.4/26

All: 0.000+/-0.000 χ^2/NDF: 58.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:885697.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1026694.4/7

Left: 0.000+/-0.000 χ^2/NDF: 1921307.5/16

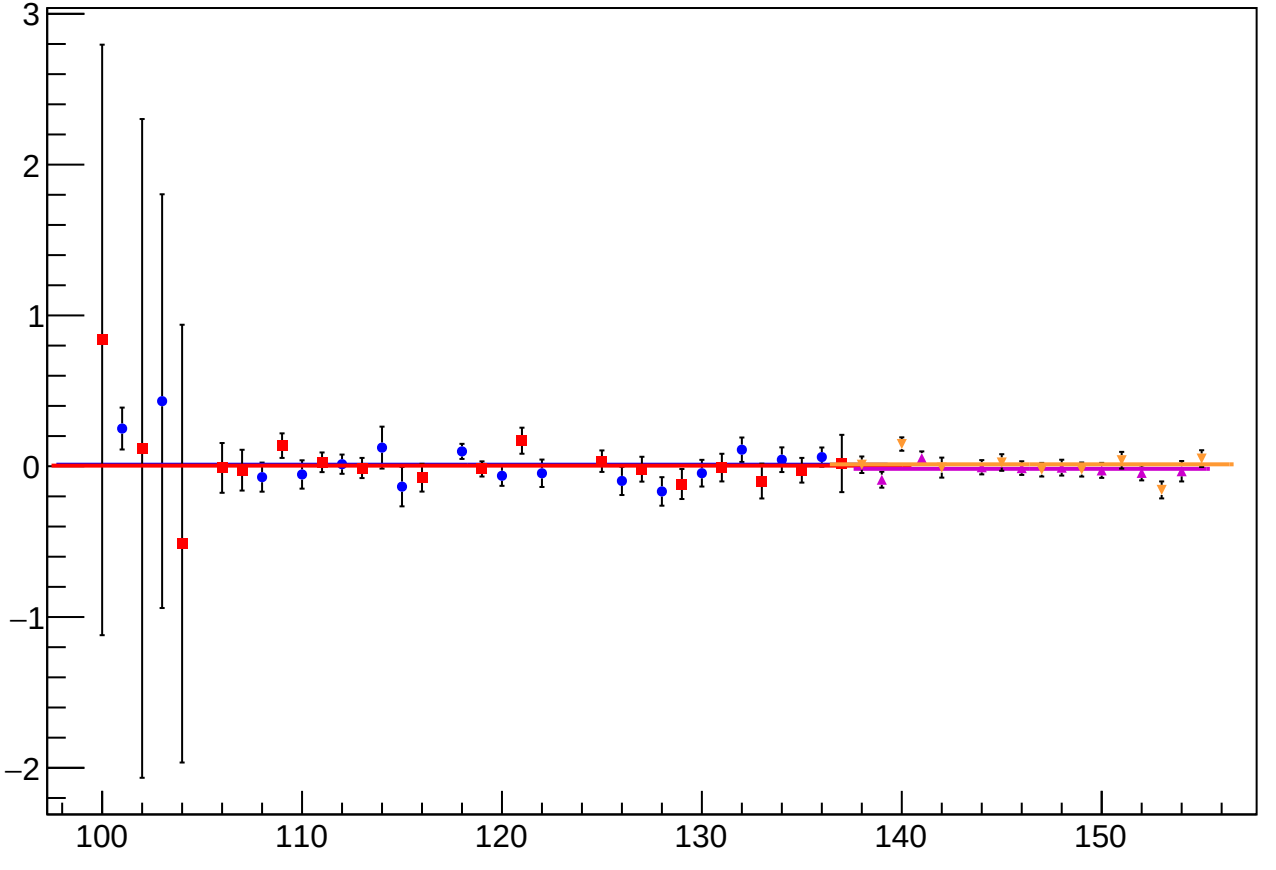
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:3593462.1/23

Out: 0.000+/-0.000 χ^2/NDF:3680467.4/26

All: 0.000+/-0.000 χ^2/NDF: 7315269.7/50

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: 0.013+/-0.017 χ^2/NDF:20.2/8

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.017+/-0.018 χ^2/NDF:4.8/7

Left: -0.002+/-0.012 χ^2/NDF: 26.4/16

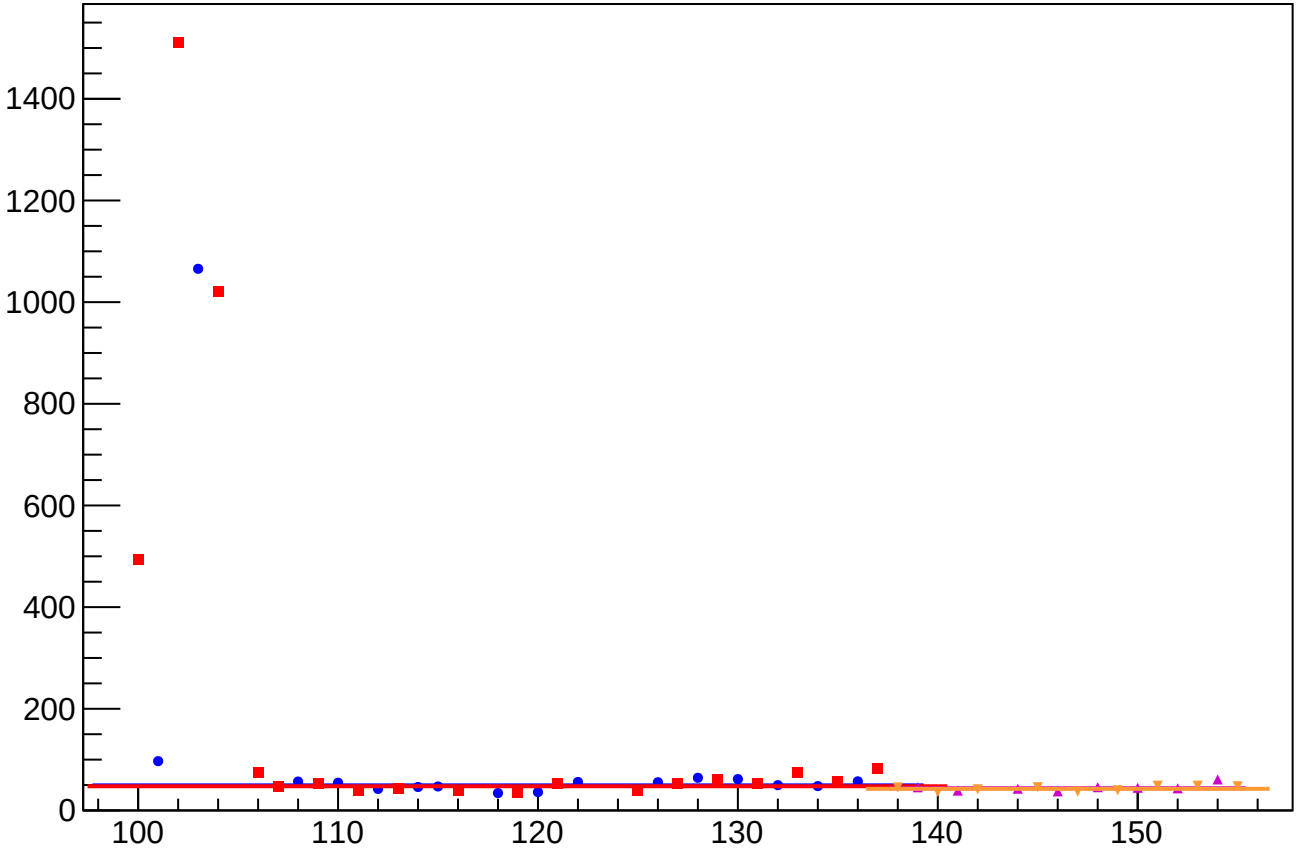
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.006+/-0.014 χ^2/NDF:24.2/23

Out: 0.009+/-0.014 χ^2/NDF:30.8/26

All: 0.002+/-0.010 χ^2/NDF: 55.6/50

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.581+/-0.012 χ^2/NDF:151050.4/8

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 43.659+/-0.013 χ^2/NDF:195768.2/7

Left: 43.109+/-0.009 χ^2/NDF: 350583.2/16

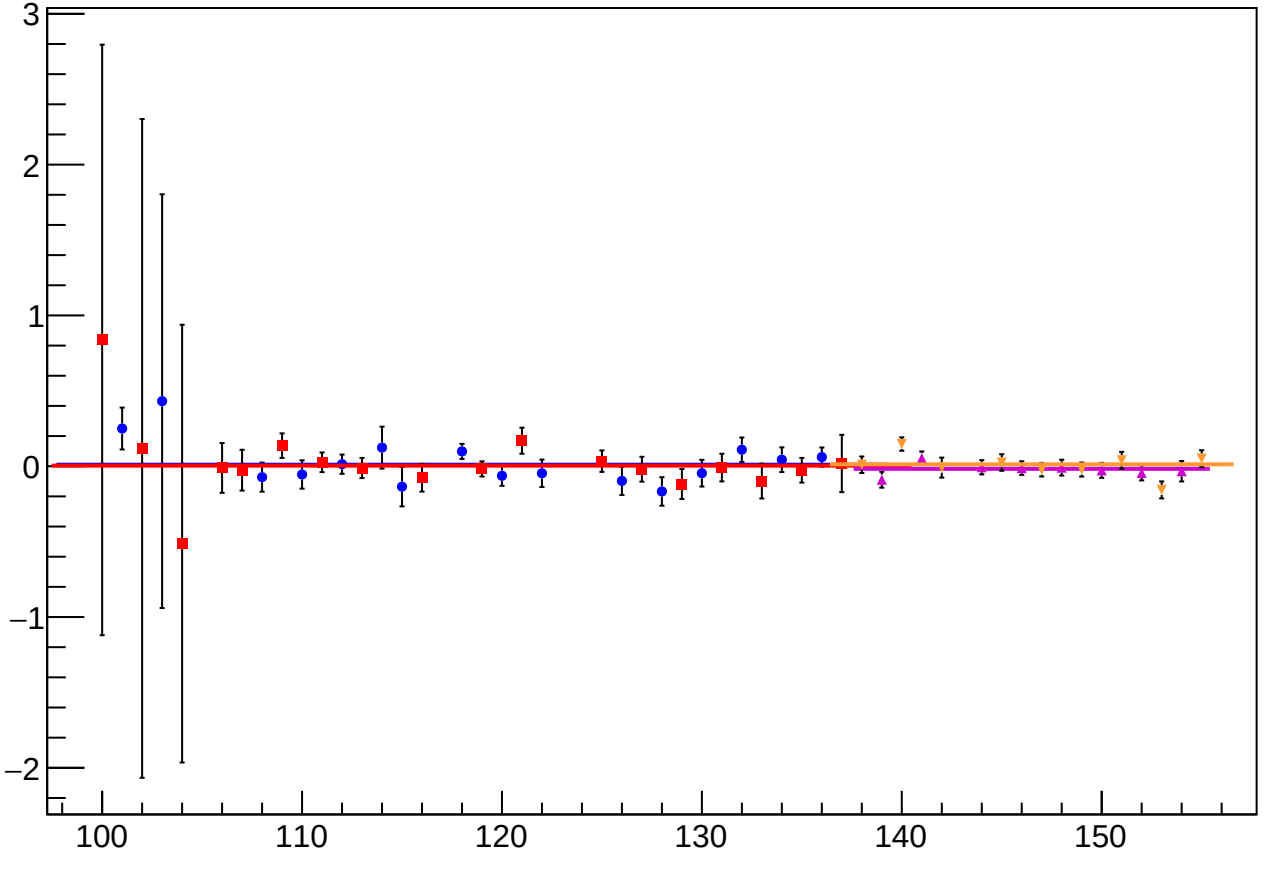
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.031+/-0.010 χ^2/NDF:2058078.2/23

Out: 44.566+/-0.010 χ^2/NDF:2635182.6/26

All: 45.297+/-0.007 χ^2/NDF: 4704977.5/50

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: 0.013+/-0.017 χ^2/NDF:20.2/8

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.017+/-0.018 χ^2/NDF:4.8/7

Left: -0.002+/-0.012 χ^2/NDF: 26.4/16

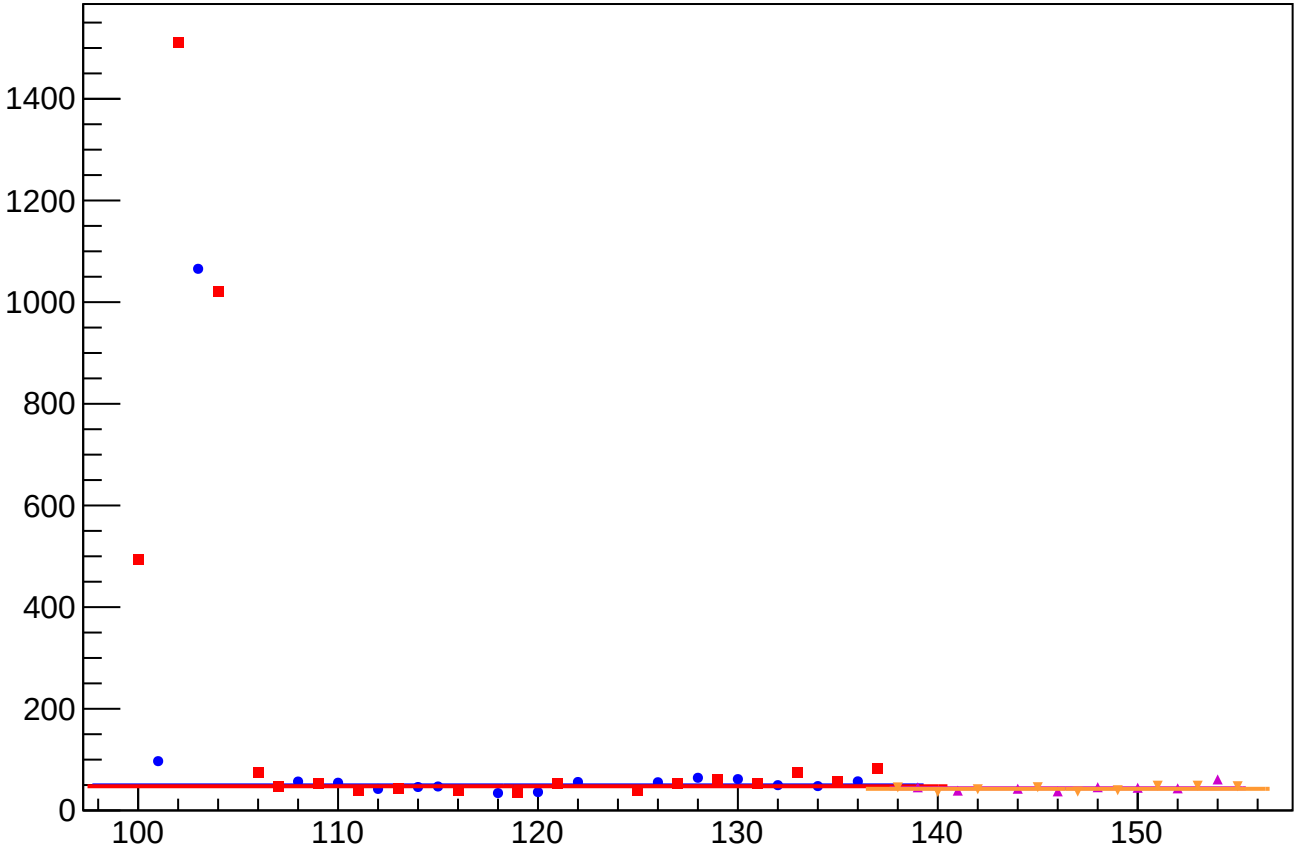
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.006+/-0.014 χ^2/NDF:24.2/23

Out: 0.009+/-0.014 χ^2/NDF:30.8/26

All: 0.002+/-0.010 χ^2/NDF: 55.6/50

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.581+/-0.012 χ^2/NDF:151050.4/8

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 43.659+/-0.013 χ^2/NDF:195768.2/7

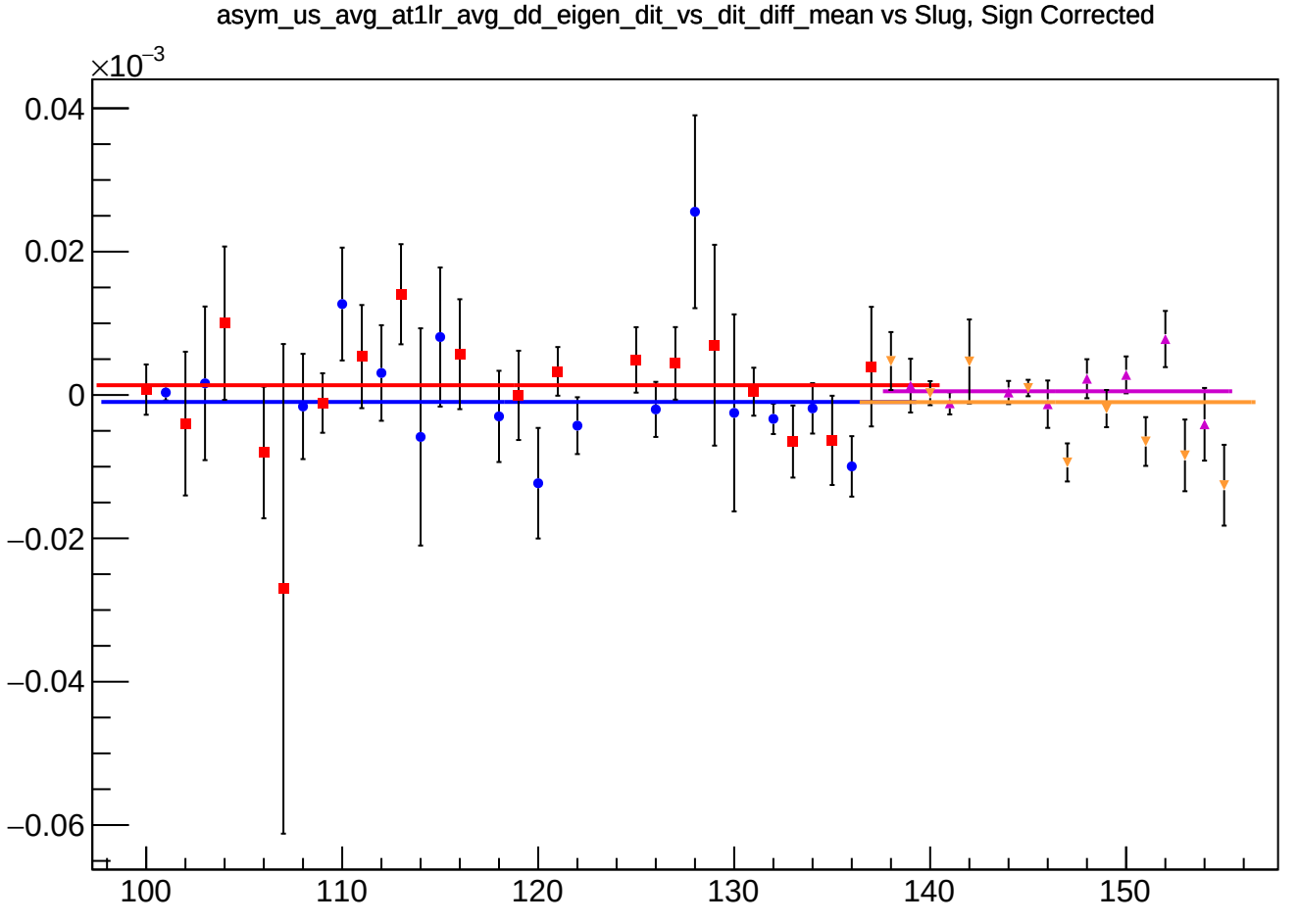
Left: 43.109+/-0.009 χ^2/NDF: 350583.2/16

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.031+/-0.010 χ^2/NDF:2058078.2/23

Out: 44.566+/-0.010 χ^2/NDF:2635182.6/26

All: 45.297+/-0.007 χ^2/NDF: 4704977.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:7.0/7

Left: -0.000+/-0.000 χ^2/NDF: 34.4/16

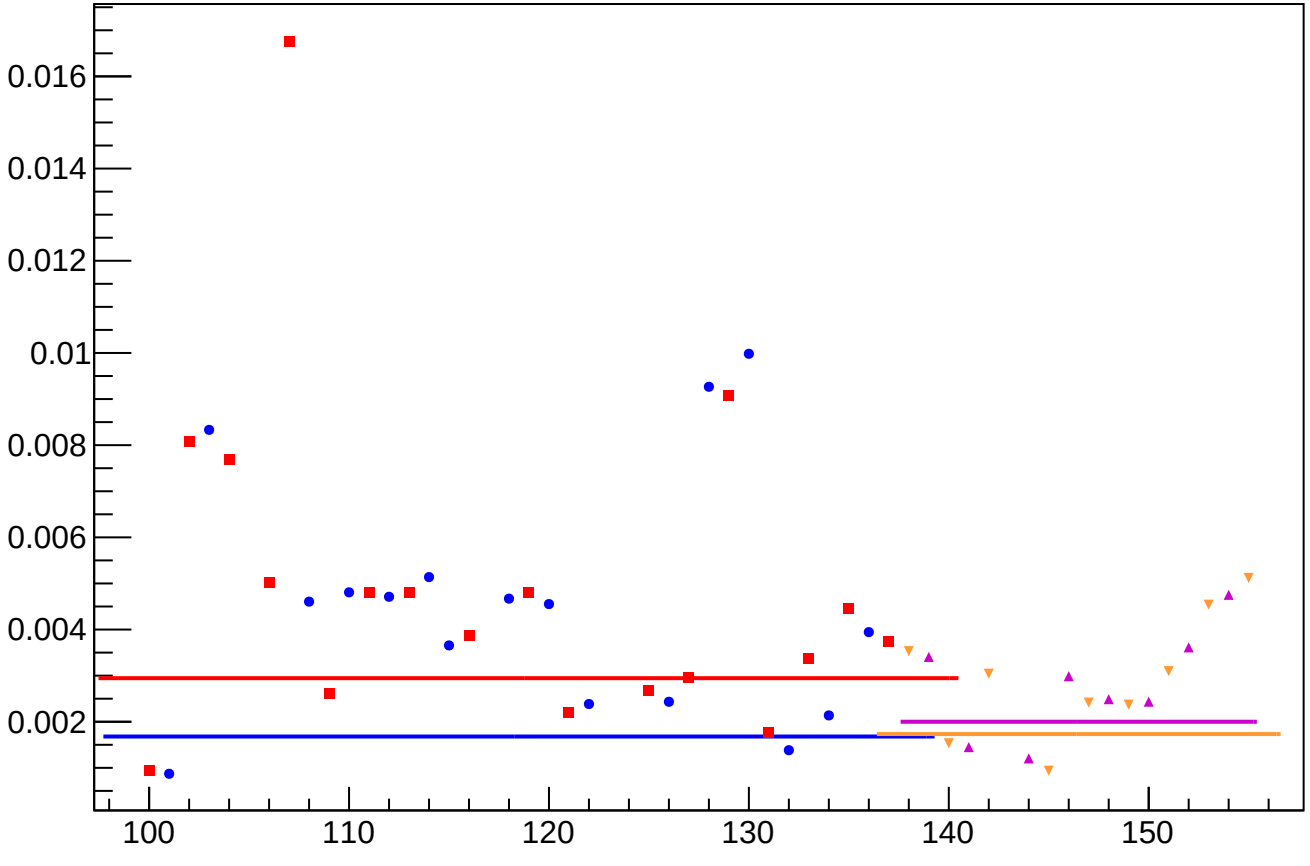
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:27.2/23

Out: -0.000+/-0.000 χ^2/NDF:40.7/26

All: -0.000+/-0.000 χ^2/NDF: 68.0/50

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:3411316.0/8

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:2247813.7/7

Left: 0.002+/-0.000 χ^2/NDF: 5765553.1/16

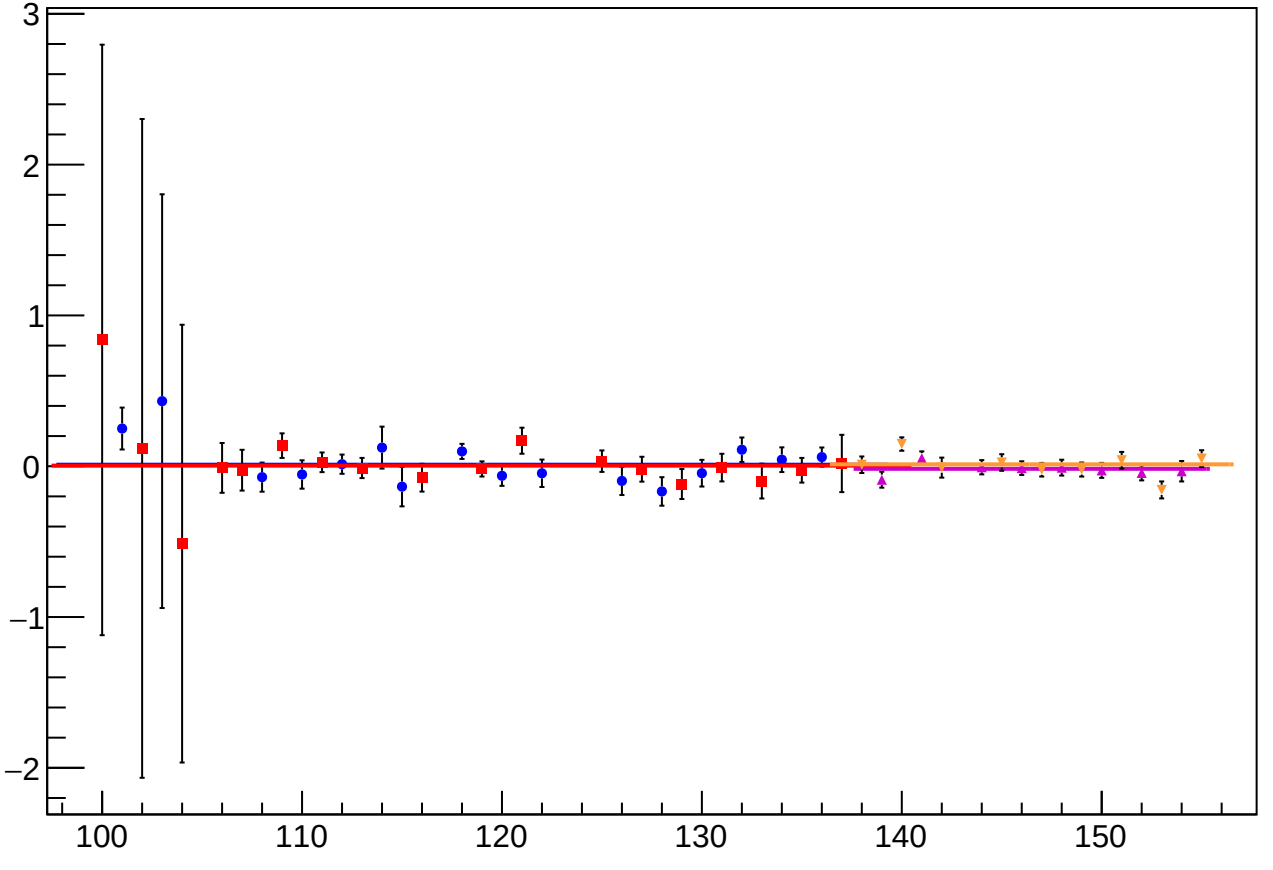
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:8352020.8/23

Out: 0.002+/-0.000 χ^2/NDF:8087721.4/26

All: 0.002+/-0.000 χ^2/NDF: 16562597.7/50

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: 0.013+/-0.017 χ^2/NDF:20.2/8

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.017+/-0.018 χ^2/NDF:4.8/7

Left: -0.002+/-0.012 χ^2/NDF: 26.4/16

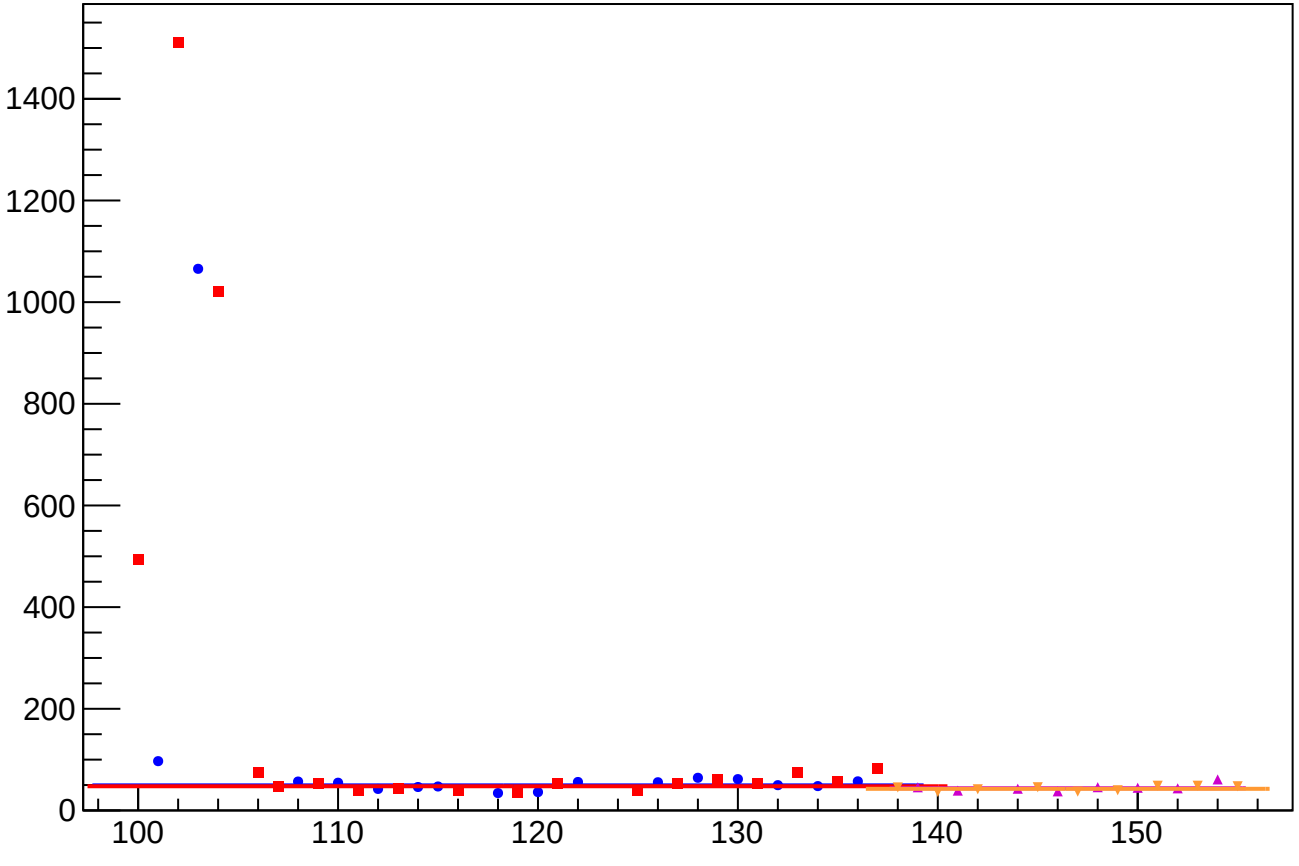
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.006+/-0.014 χ^2/NDF:24.2/23

Out: 0.009+/-0.014 χ^2/NDF:30.8/26

All: 0.002+/-0.010 χ^2/NDF: 55.6/50

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.582+/-0.012 χ^2/NDF:151069.0/8

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 43.659+/-0.013 χ^2/NDF:195814.5/7

Left: 43.109+/-0.009 χ^2/NDF: 350641.6/16

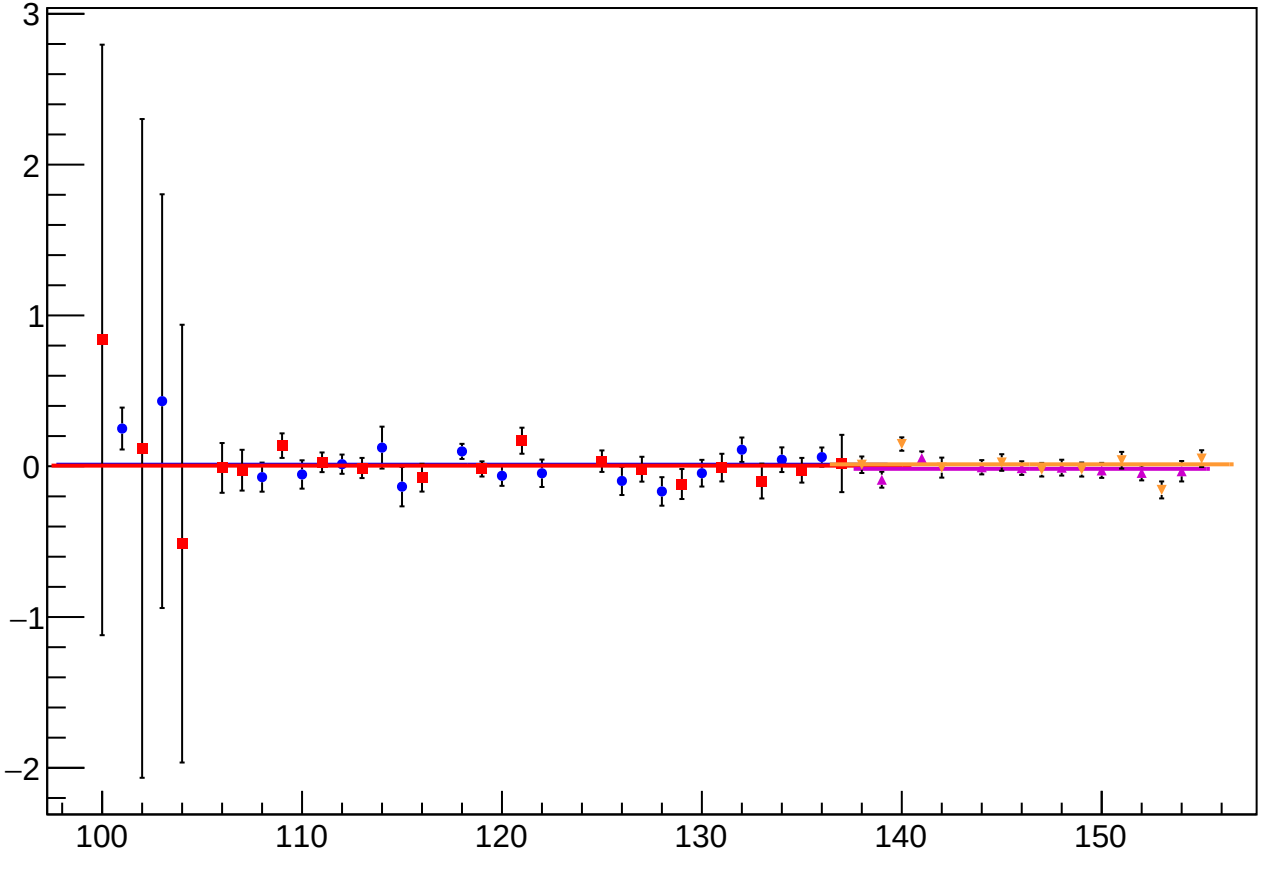
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.031+/-0.010 χ^2/NDF:2058080.3/23

Out: 44.566+/-0.010 χ^2/NDF:2635203.8/26

All: 45.297+/-0.007 χ^2/NDF: 4704998.7/50

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: 0.013+/-0.017 χ^2/NDF:20.2/8

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.017+/-0.018 χ^2/NDF:4.8/7

Left: -0.002+/-0.012 χ^2/NDF: 26.4/16

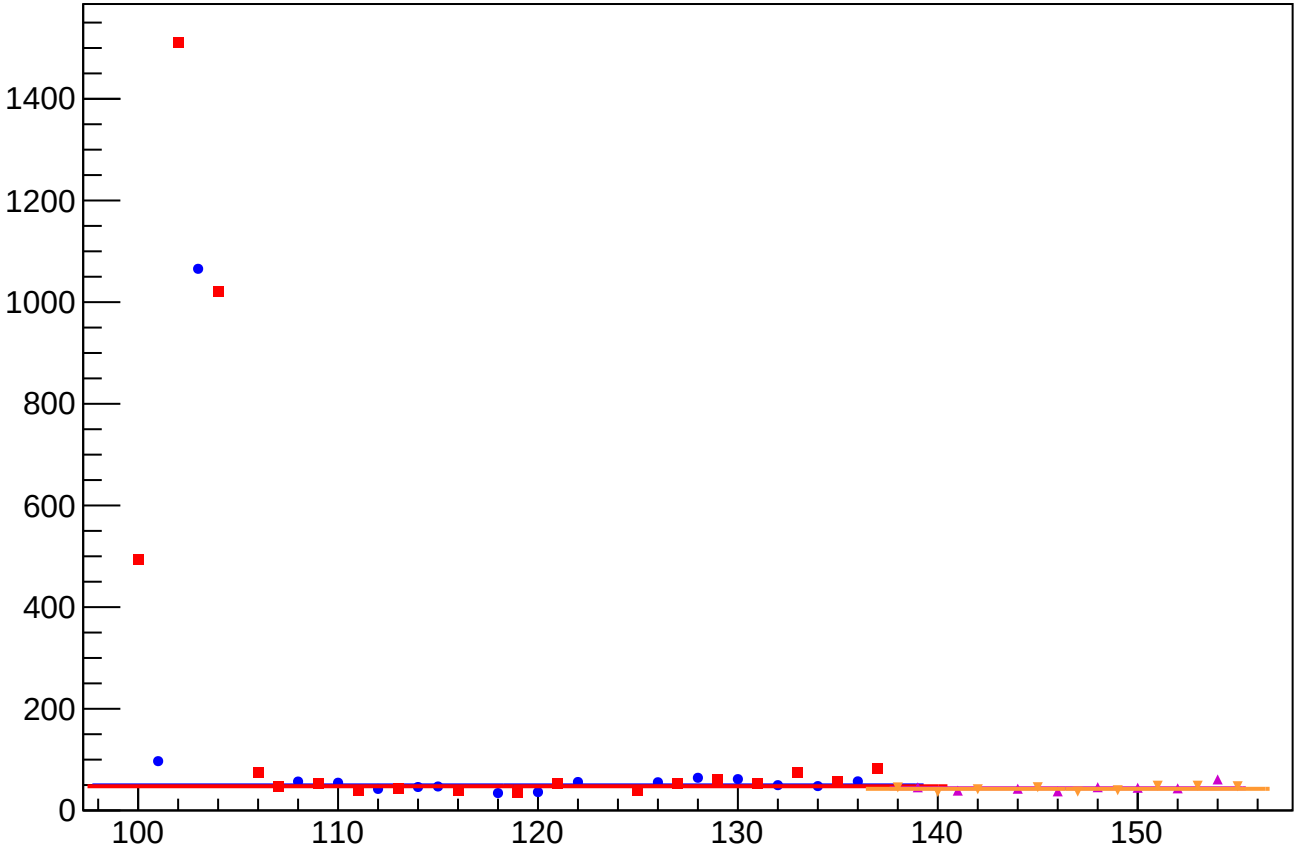
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.006+/-0.014 χ^2/NDF:24.2/23

Out: 0.009+/-0.014 χ^2/NDF:30.8/26

All: 0.002+/-0.010 χ^2/NDF: 55.6/50

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.582+/-0.012 χ^2/NDF:151069.0/8

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 43.659+/-0.013 χ^2/NDF:195814.5/7

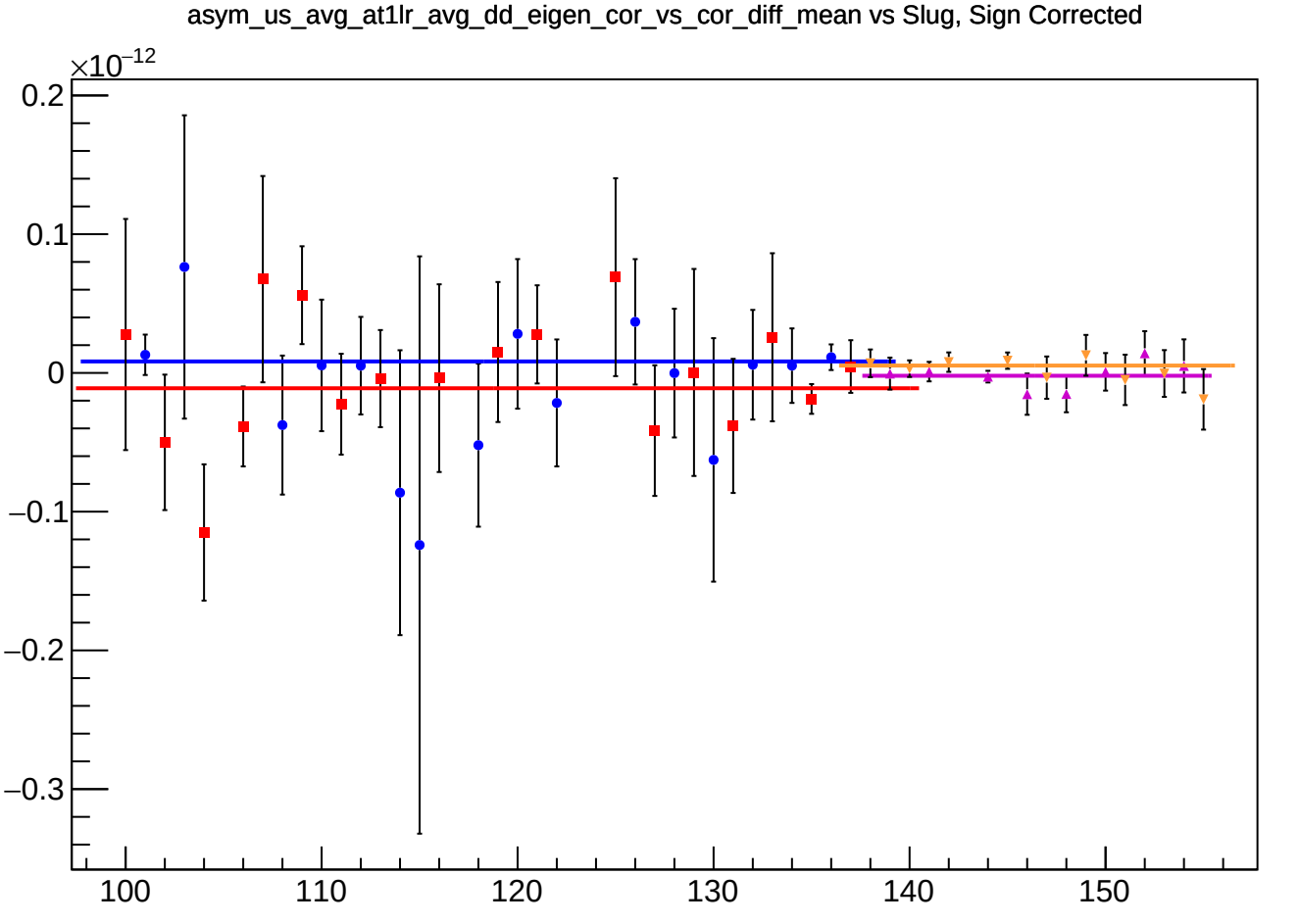
Left: 43.109+/-0.009 χ^2/NDF: 350641.6/16

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

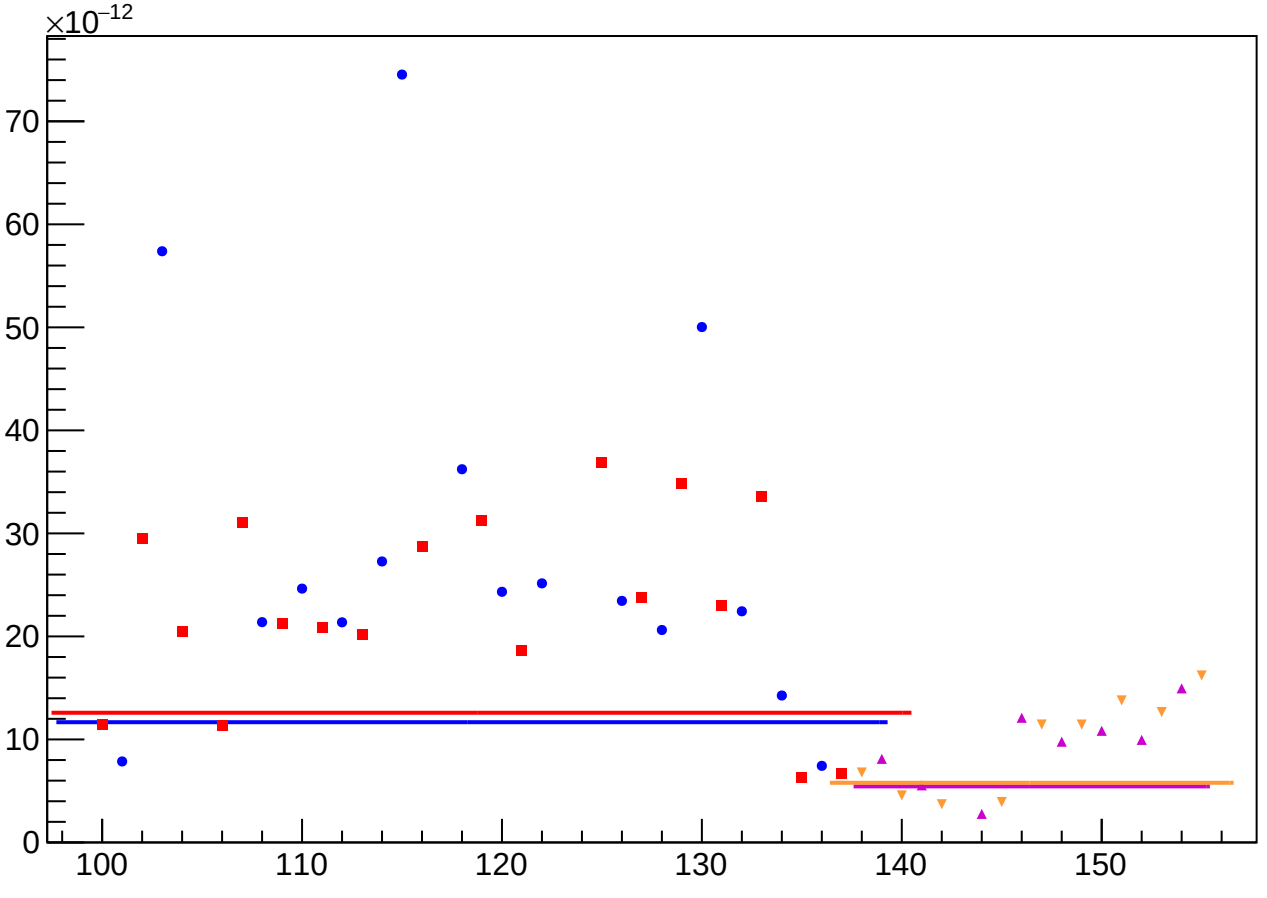
In: 46.031+/-0.010 χ^2/NDF:2058080.3/23

Out: 44.566+/-0.010 χ^2/NDF:2635203.8/26

All: 45.297+/-0.007 χ^2/NDF: 4704998.7/50


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:2.9/8
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: -0.000+/-0.000 χ²/NDF:3.2/7
Left: 0.000+/-0.000 χ²/NDF: 9.0/16
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: -0.000+/-0.000 χ²/NDF:10.6/23
Out: 0.000+/-0.000 χ²/NDF:23.4/26
All: 0.000+/-0.000 χ²/NDF: 34.7/50

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2228907.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2504313.4/7

Left: 0.000+/-0.000 χ^2/NDF: 4746415.5/16

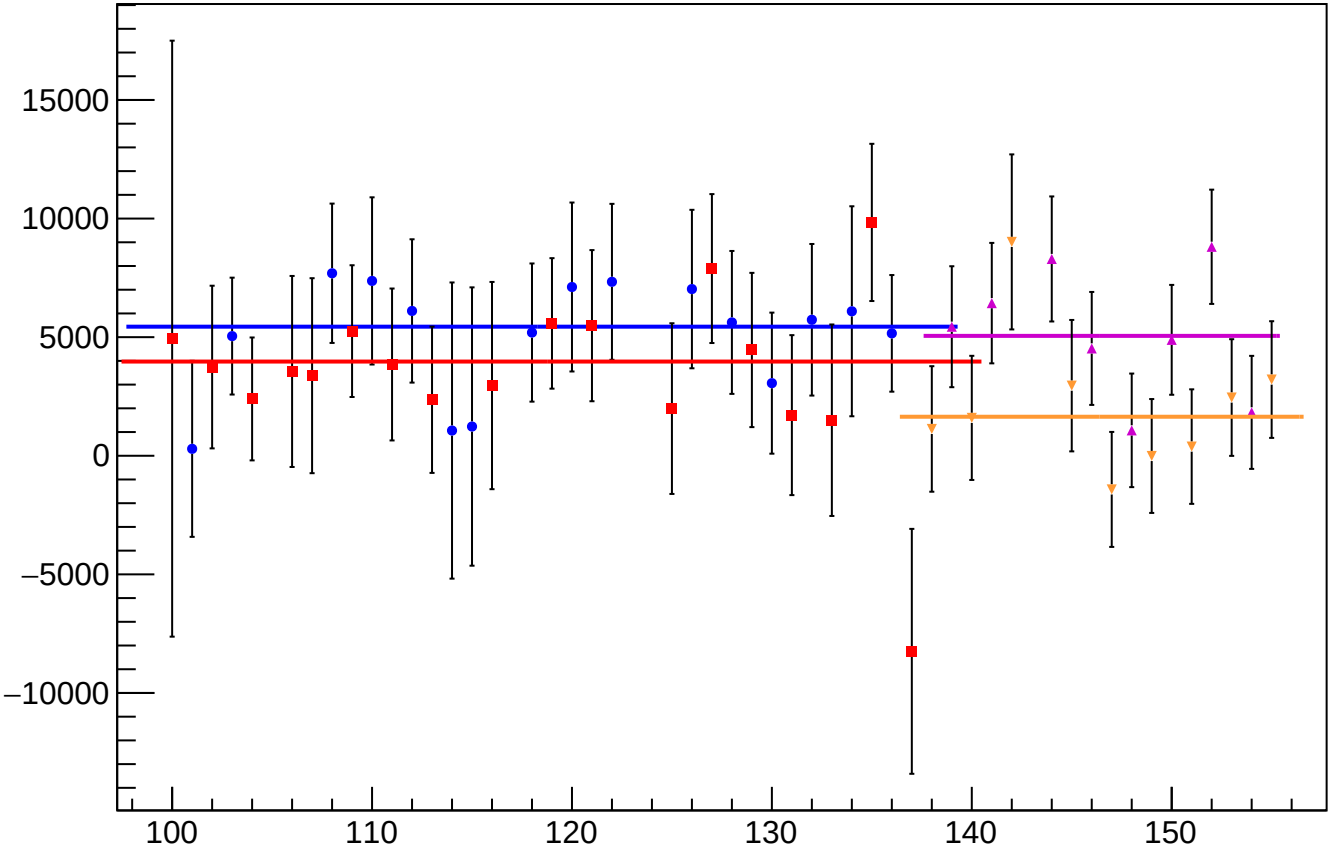
Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:6852817.3/23

Out: 0.000+/-0.000 χ^2/NDF:6648706.8/26

All: 0.000+/-0.000 χ^2/NDF: 13514225.0/50

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1645.218+/-864.319 χ^2/NDF:7.1/8

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5054.634+/-864.297 χ^2/NDF:8.9/7

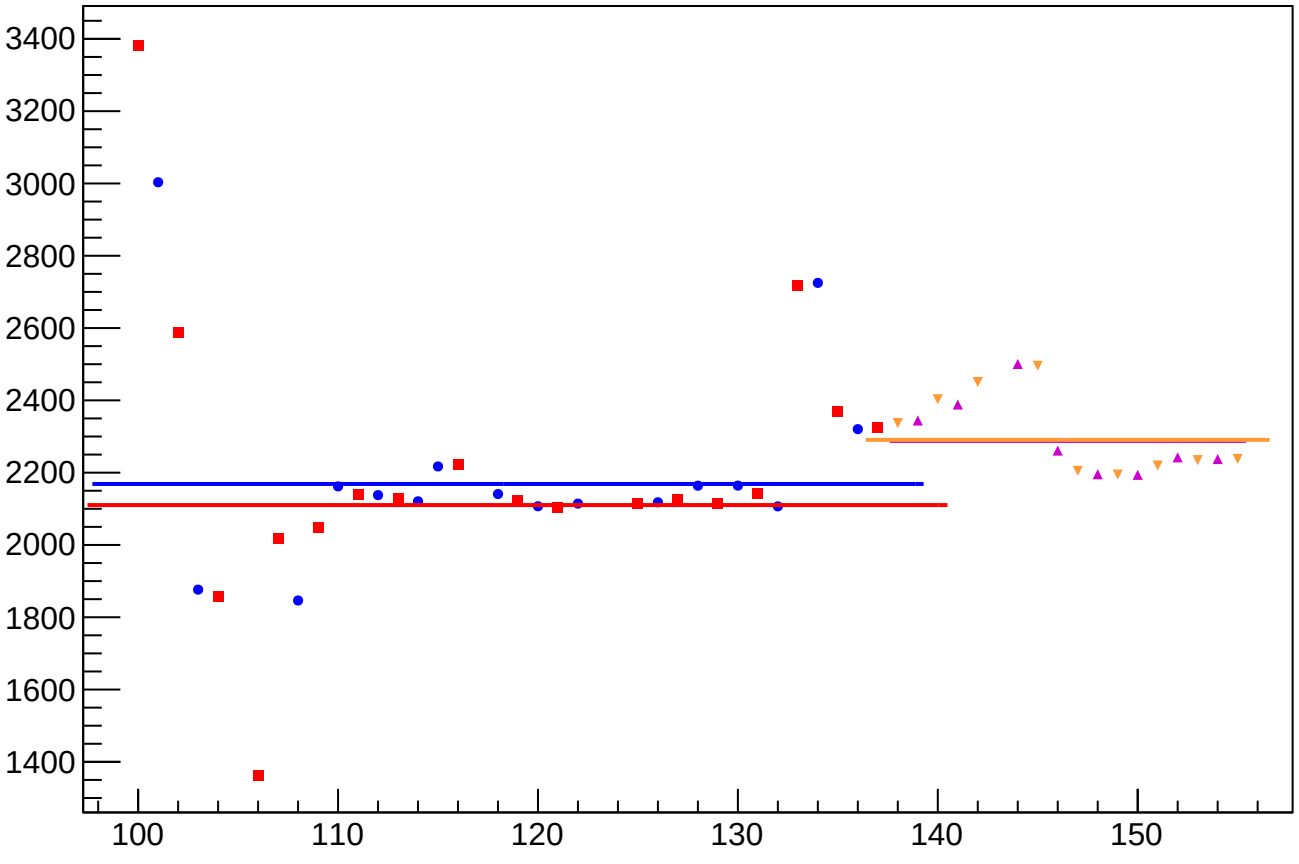
Left: 3349.969+/-611.158 χ^2/NDF: 23.8/16

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5260.442+/-592.002 χ^2/NDF:14.4/23

Out: 2885.269+/-590.647 χ^2/NDF:23.9/26

All: 4070.135+/-418.129 χ^2/NDF: 46.4/50



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2290.760+/-0.611 χ^2/NDF:28405.5/8

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2287.849+/-0.611 χ^2/NDF:25279.8/7

Left: 2289.304+/-0.432 χ^2/NDF: 53696.6/16

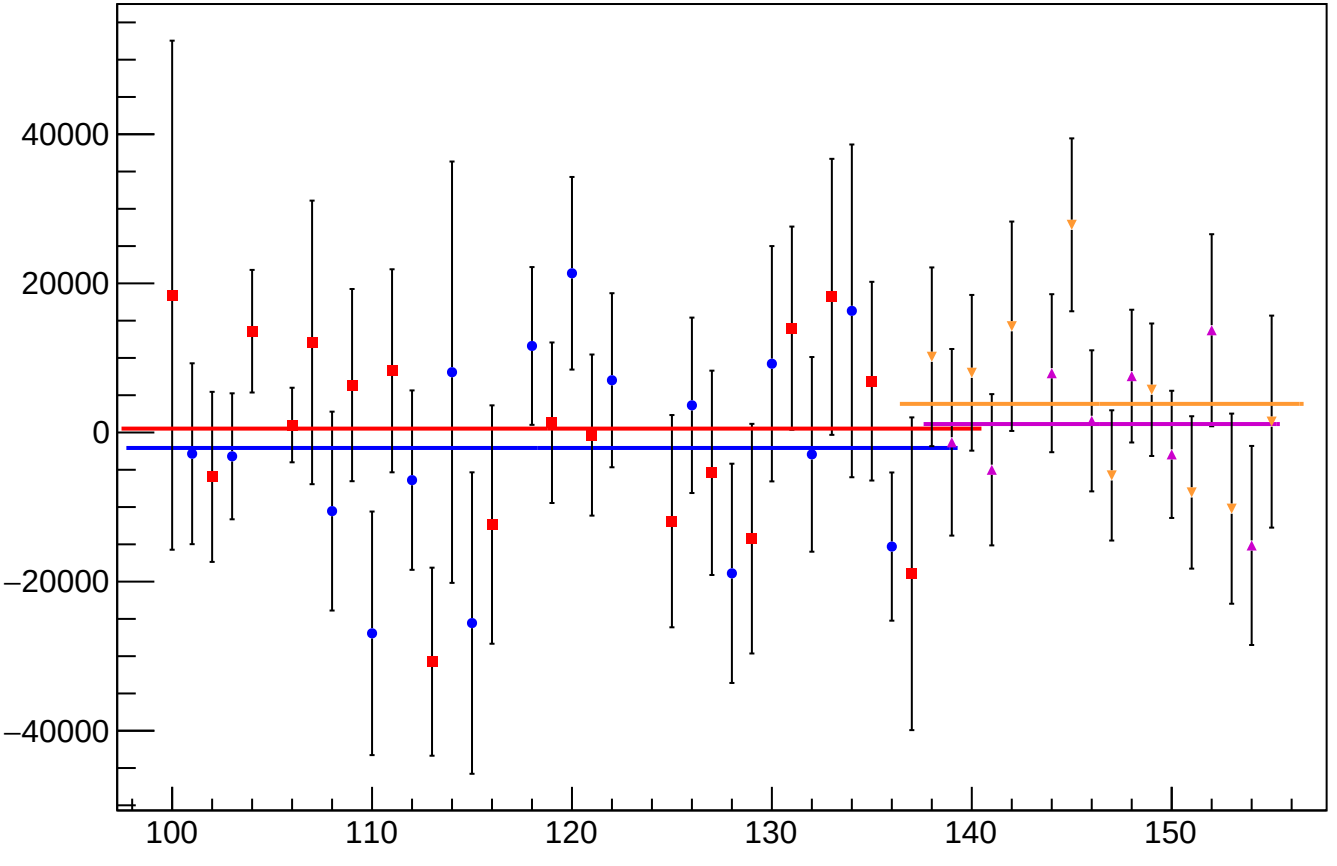
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2224.608+/-0.419 χ^2/NDF:241110.7/23

Out: 2193.171+/-0.414 χ^2/NDF:342949.5/26

All: 2208.719+/-0.294 χ^2/NDF: 586910.8/50

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 3838.044+/-3649.369 χ^2/NDF:9.1/8

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 1133.786+/-3671.326 χ^2/NDF:4.0/7

Left: 2494.026+/-2588.222 χ^2/NDF: 13.4/16

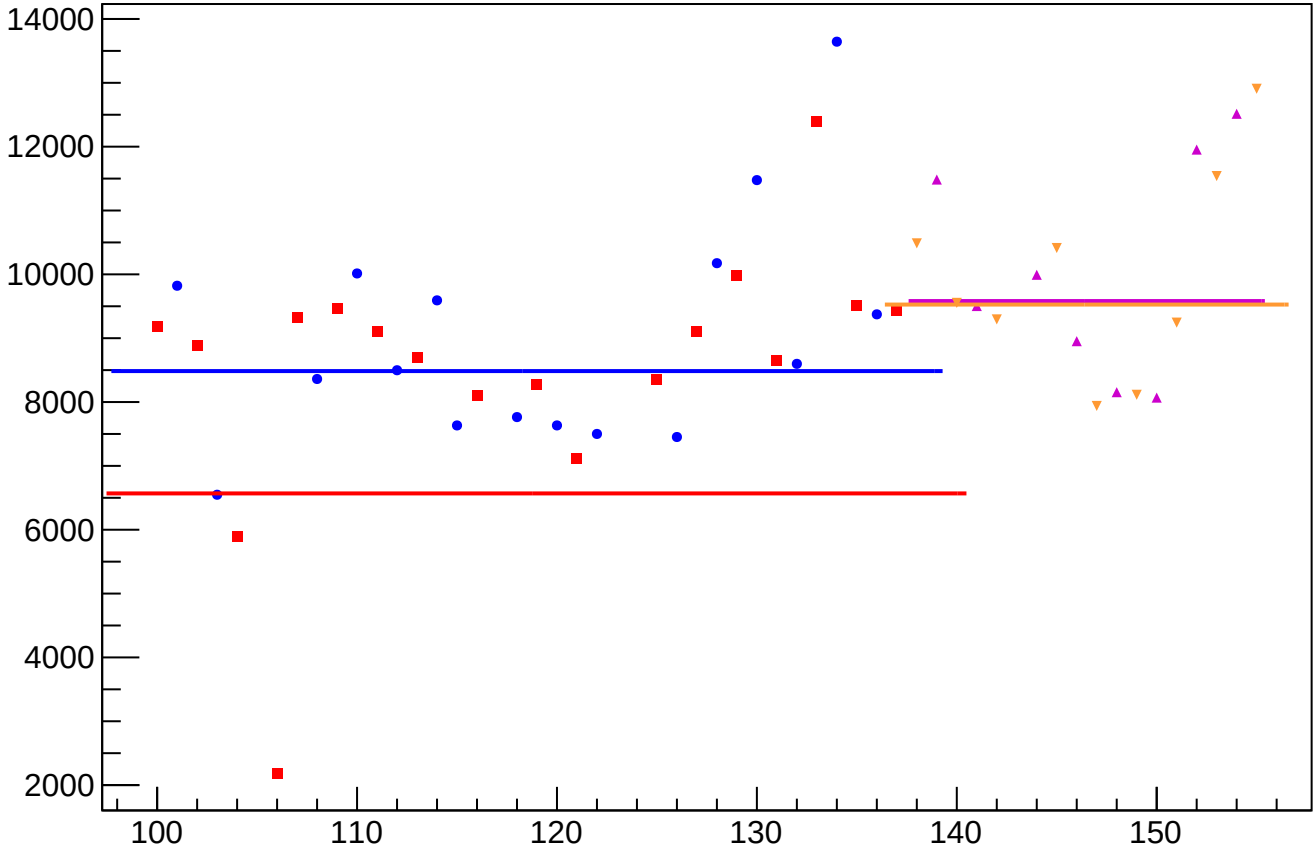
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -683.646+/-2417.450 χ^2/NDF:18.9/23

Out: 1703.434+/-2178.598 χ^2/NDF:25.3/26

All: 633.614+/-1618.376 χ^2/NDF: 44.7/50

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: 9526.801+/-2.580 χ^2/NDF:306136.4/8

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9581.888+/-2.596 χ^2/NDF:336968.7/7

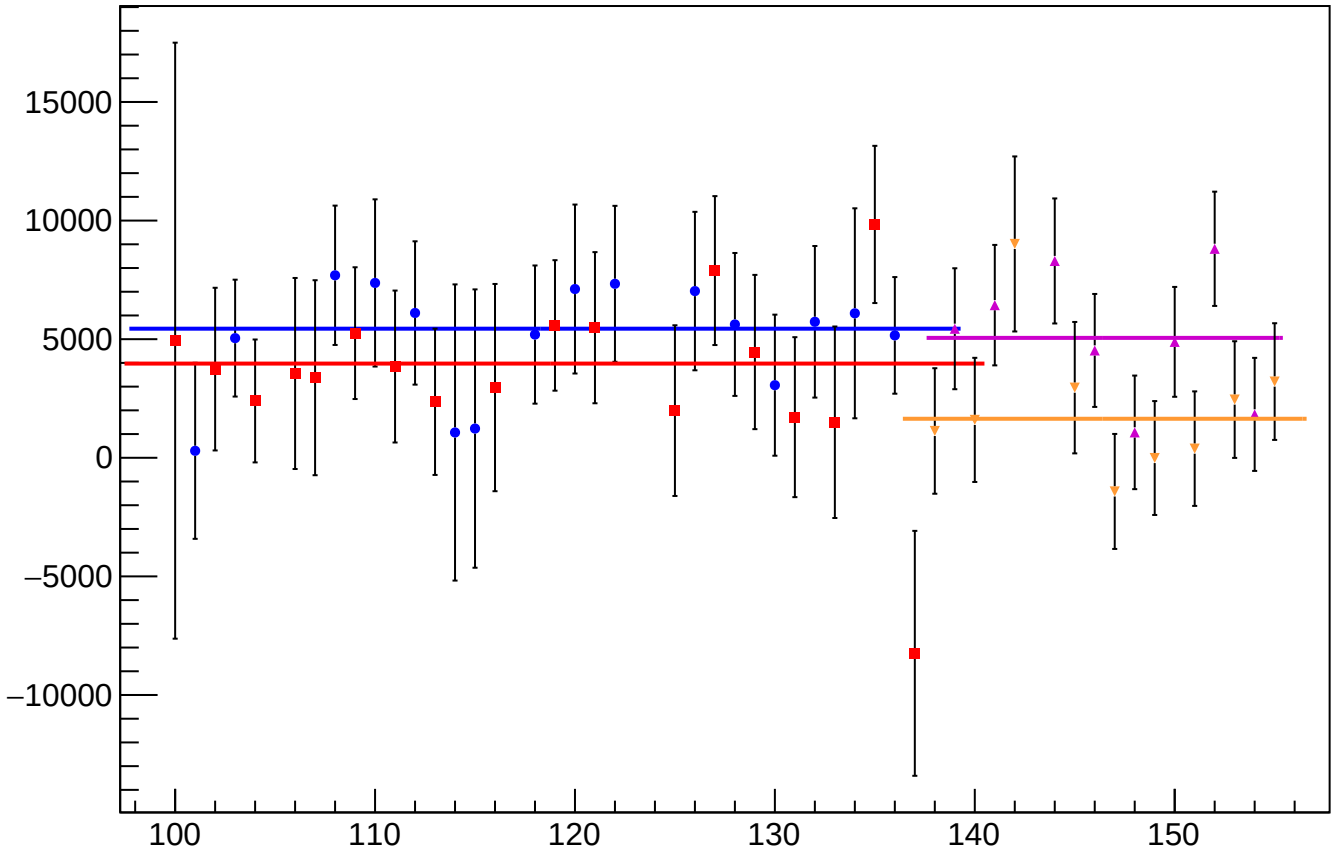
Left: 9554.179+/-1.830 χ^2/NDF: 643331.6/16

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 8960.588+/-1.709 χ^2/NDF:860797.3/23

Out: 7622.927+/-1.541 χ^2/NDF:3720777.1/26

All: 8222.428+/-1.144 χ^2/NDF: 4919492.7/50



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1645.152+/-864.319 χ^2/NDF:7.1/8

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5054.920+/-864.297 χ^2/NDF:8.9/7

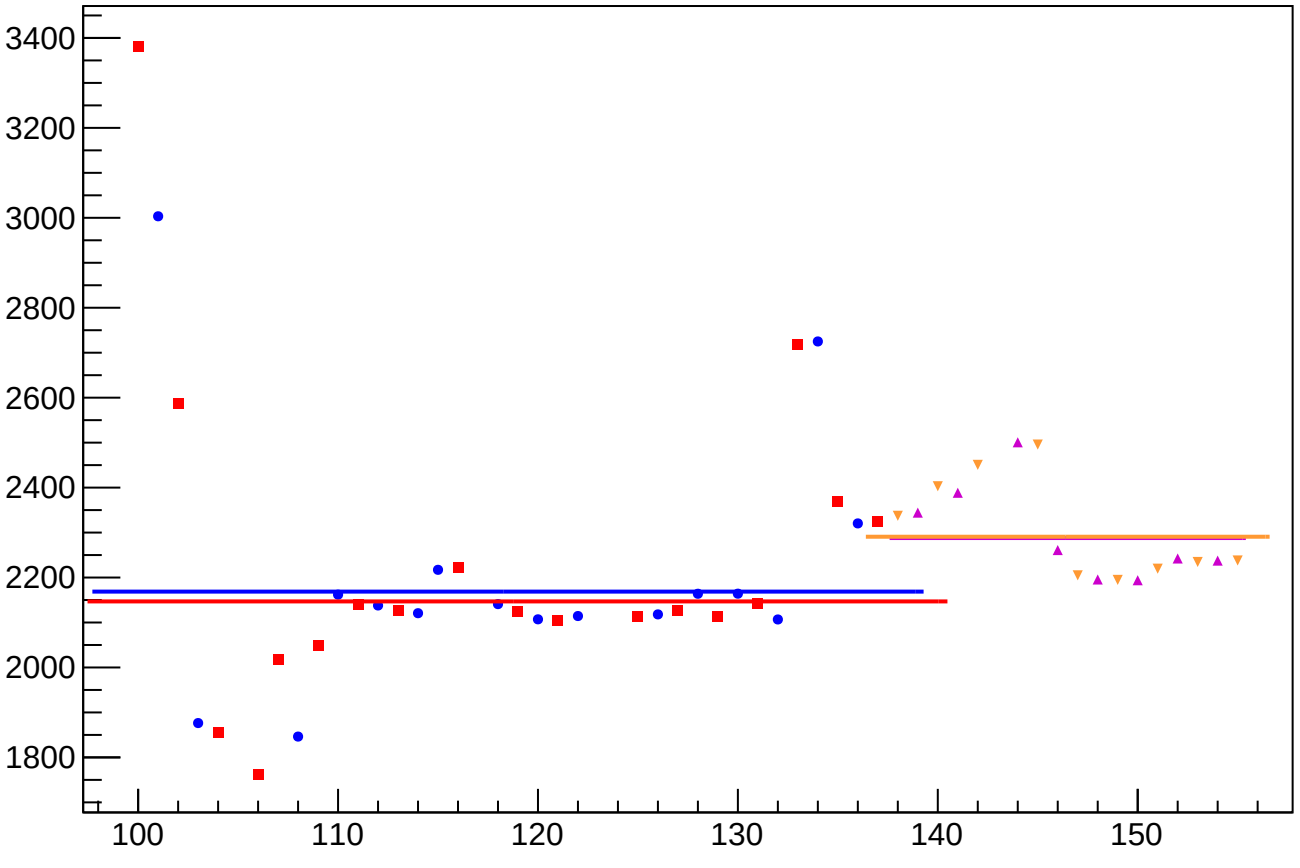
Left: 3350.079+/-611.158 χ^2/NDF: 23.8/16

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5260.652+/-592.002 χ^2/NDF:14.4/23

Out: 2885.100+/-590.647 χ^2/NDF:23.9/26

All: 4070.155+/-418.129 χ^2/NDF: 46.4/50



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2290.760+/-0.611 χ^2/NDF:28405.5/8

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2287.849+/-0.611 χ^2/NDF:25279.8/7

Left: 2289.304+/-0.432 χ^2/NDF: 53696.6/16

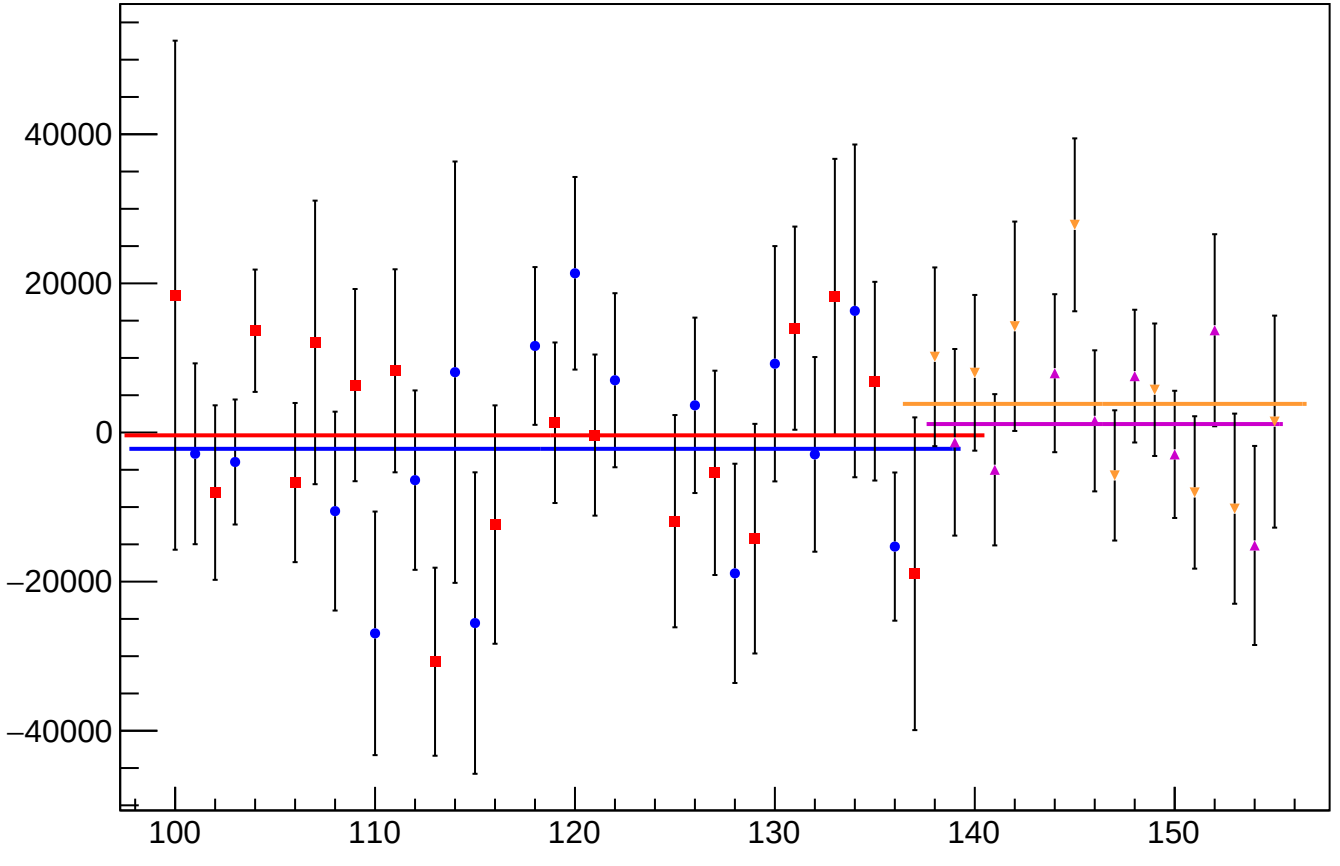
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2224.608+/-0.419 χ^2/NDF:241111.1/23

Out: 2213.718+/-0.417 χ^2/NDF:215830.5/26

All: 2219.136+/-0.295 χ^2/NDF: 457281.7/50

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: 3838.054+/-3649.366 χ^2/NDF:9.1/8

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 1134.036+/-3671.324 χ^2/NDF:4.0/7

Left: 2494.155+/-2588.220 χ^2/NDF: 13.4/16

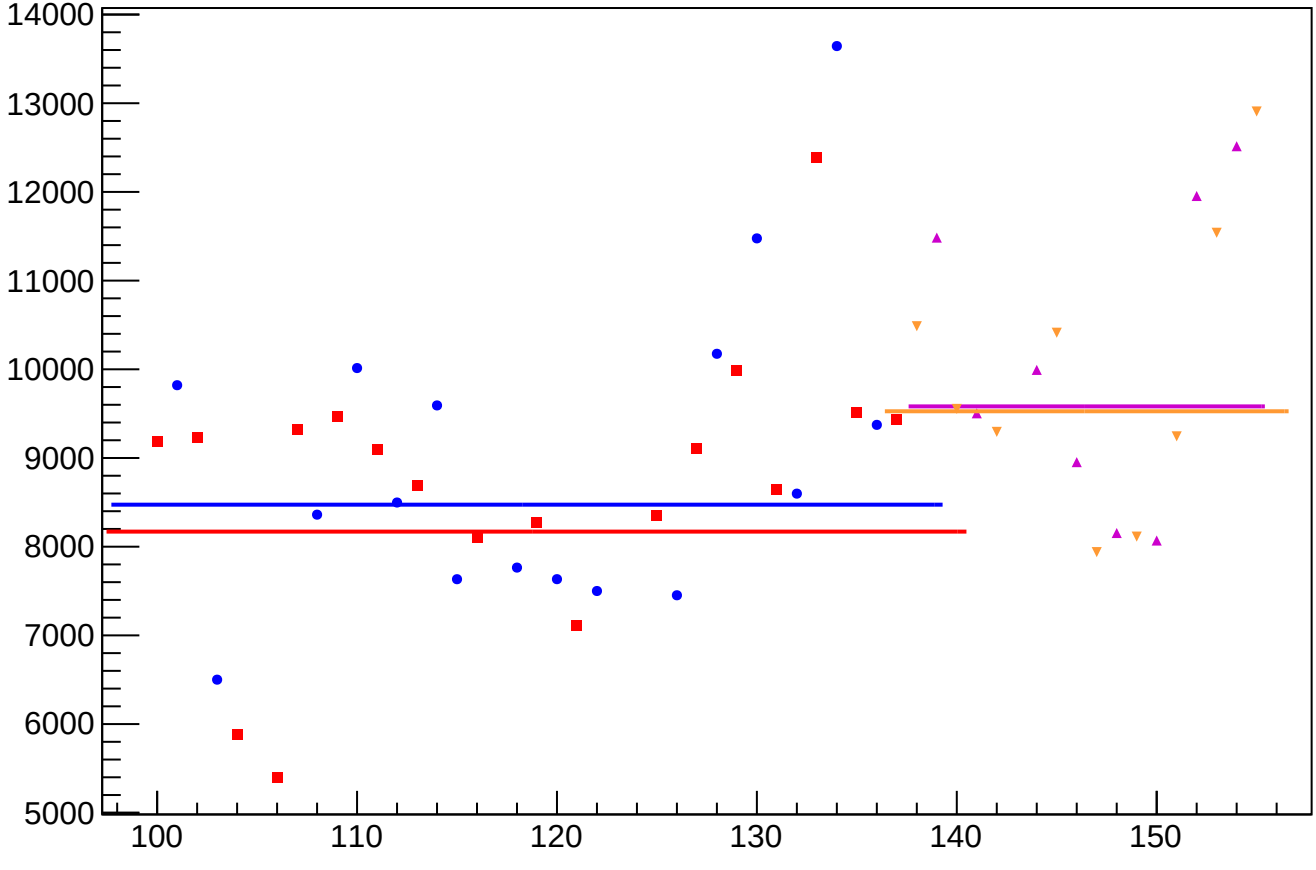
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -750.157+/-2415.927 χ^2/NDF:18.9/23

Out: 1388.370+/-2362.618 χ^2/NDF:26.2/26

All: 342.960+/-1689.155 χ^2/NDF: 45.5/50

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: 9526.793+/-2.580 χ^2/NDF:306140.4/8

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9581.882+/-2.596 χ^2/NDF:336970.2/7

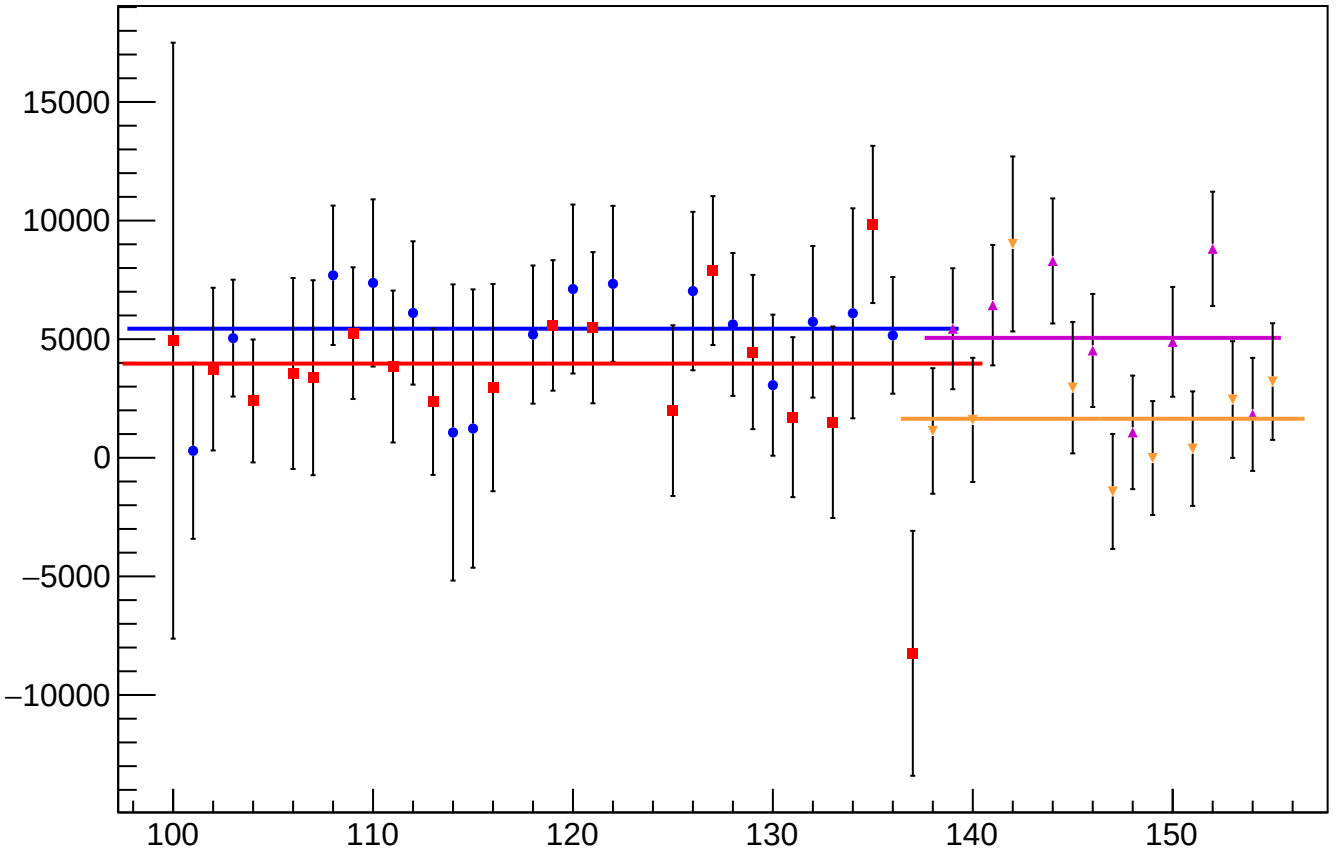
Left: 9554.172+/-1.830 χ^2/NDF: 643337.1/16

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8953.605+/-1.708 χ^2/NDF:869824.5/23

Out: 8738.693+/-1.671 χ^2/NDF:1006642.4/26

All: 8843.751+/-1.194 χ^2/NDF: 1884556.7/50



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1645.152+/-864.319 χ^2/NDF:7.1/8

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5054.920+/-864.297 χ^2/NDF:8.9/7

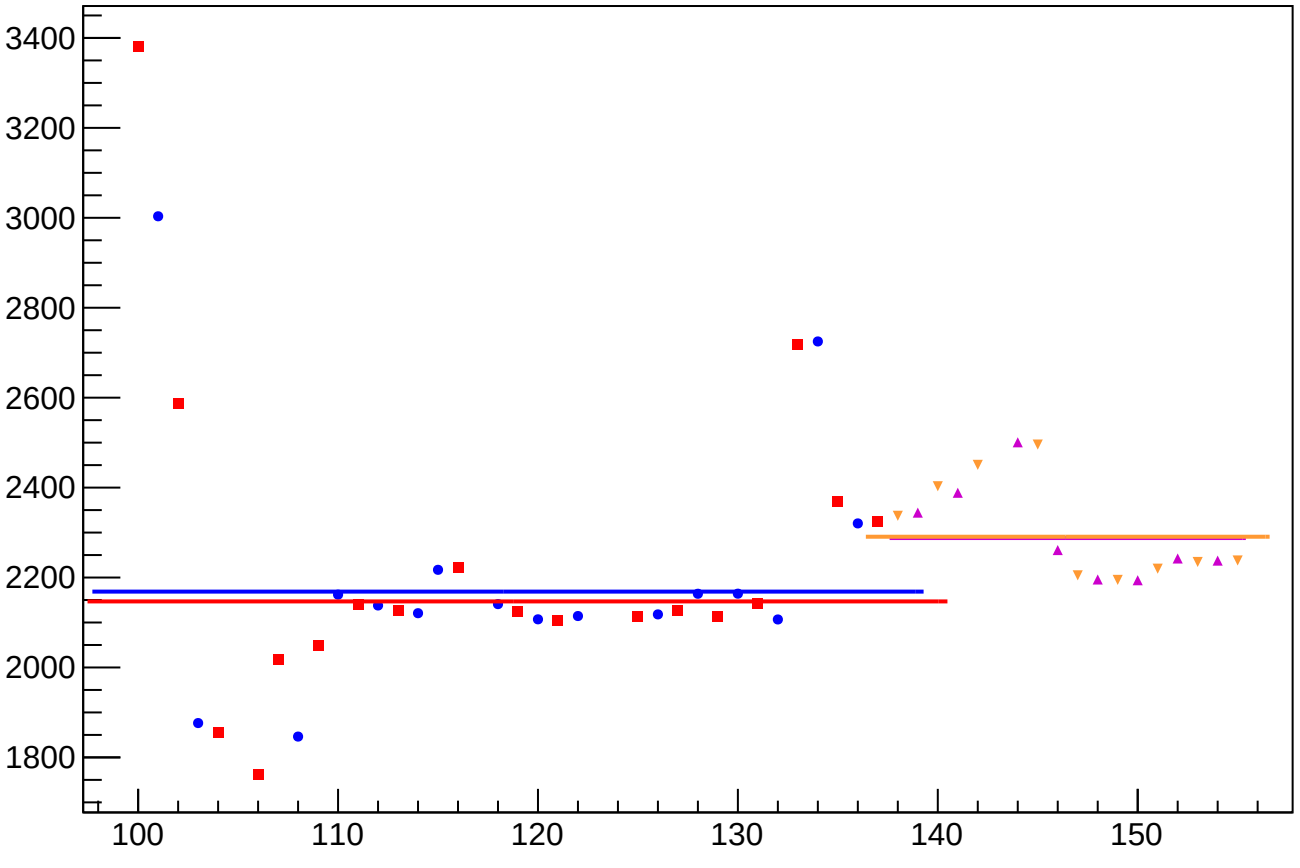
Left: 3350.079+/-611.158 χ^2/NDF: 23.8/16

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5260.652+/-592.002 χ^2/NDF:14.4/23

Out: 2885.100+/-590.647 χ^2/NDF:23.9/26

All: 4070.155+/-418.129 χ^2/NDF: 46.4/50



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2290.760+/-0.611 χ^2/NDF:28405.5/8

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2287.849+/-0.611 χ^2/NDF:25279.8/7

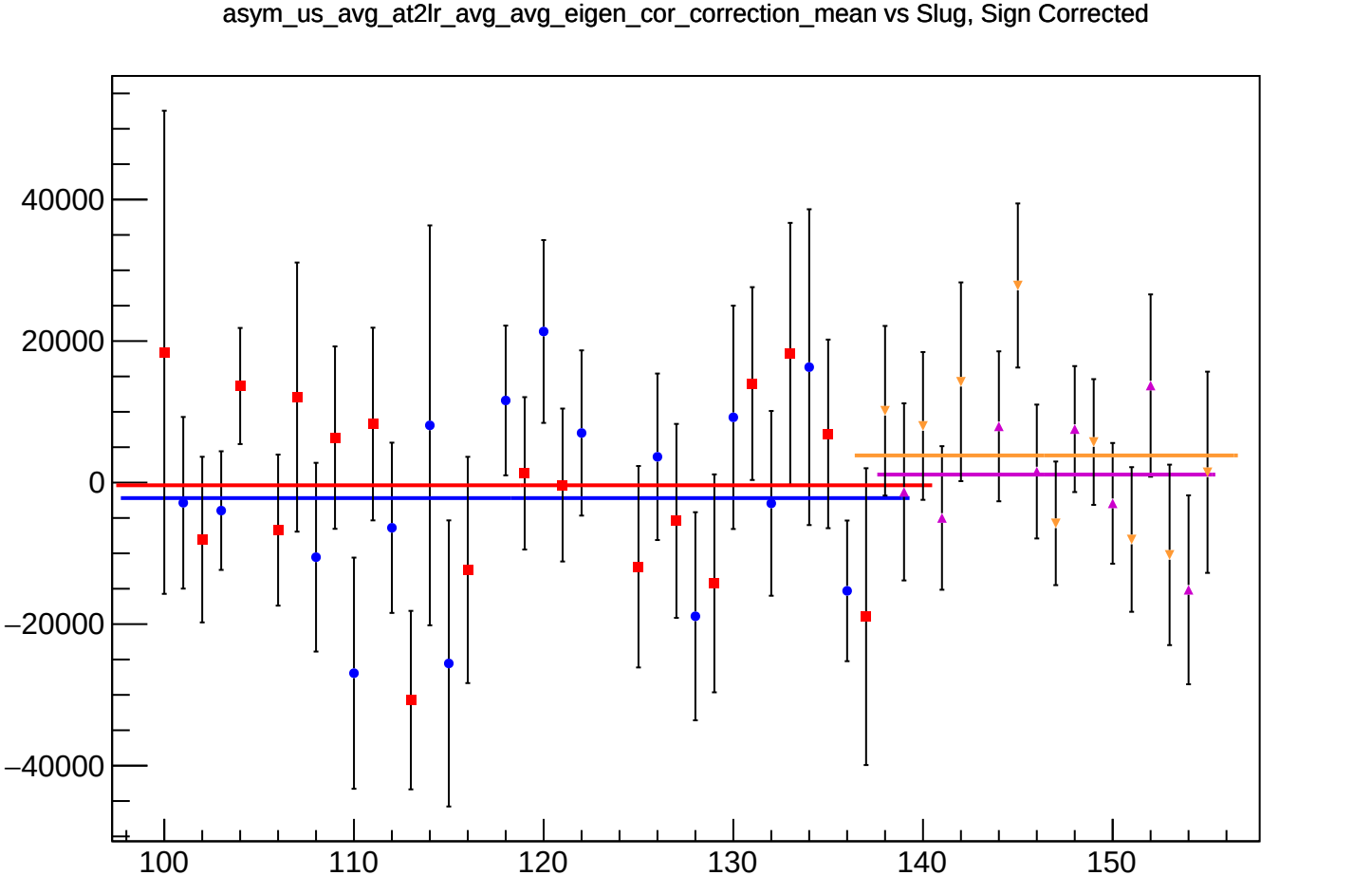
Left: 2289.304+/-0.432 χ^2/NDF: 53696.6/16

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2224.608+/-0.419 χ^2/NDF:241111.1/23

Out: 2213.718+/-0.417 χ^2/NDF:215830.5/26

All: 2219.136+/-0.295 χ^2/NDF: 457281.7/50



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 3838.054+/-3649.366 χ^2/NDF:9.1/8

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 1134.036+/-3671.324 χ^2/NDF:4.0/7

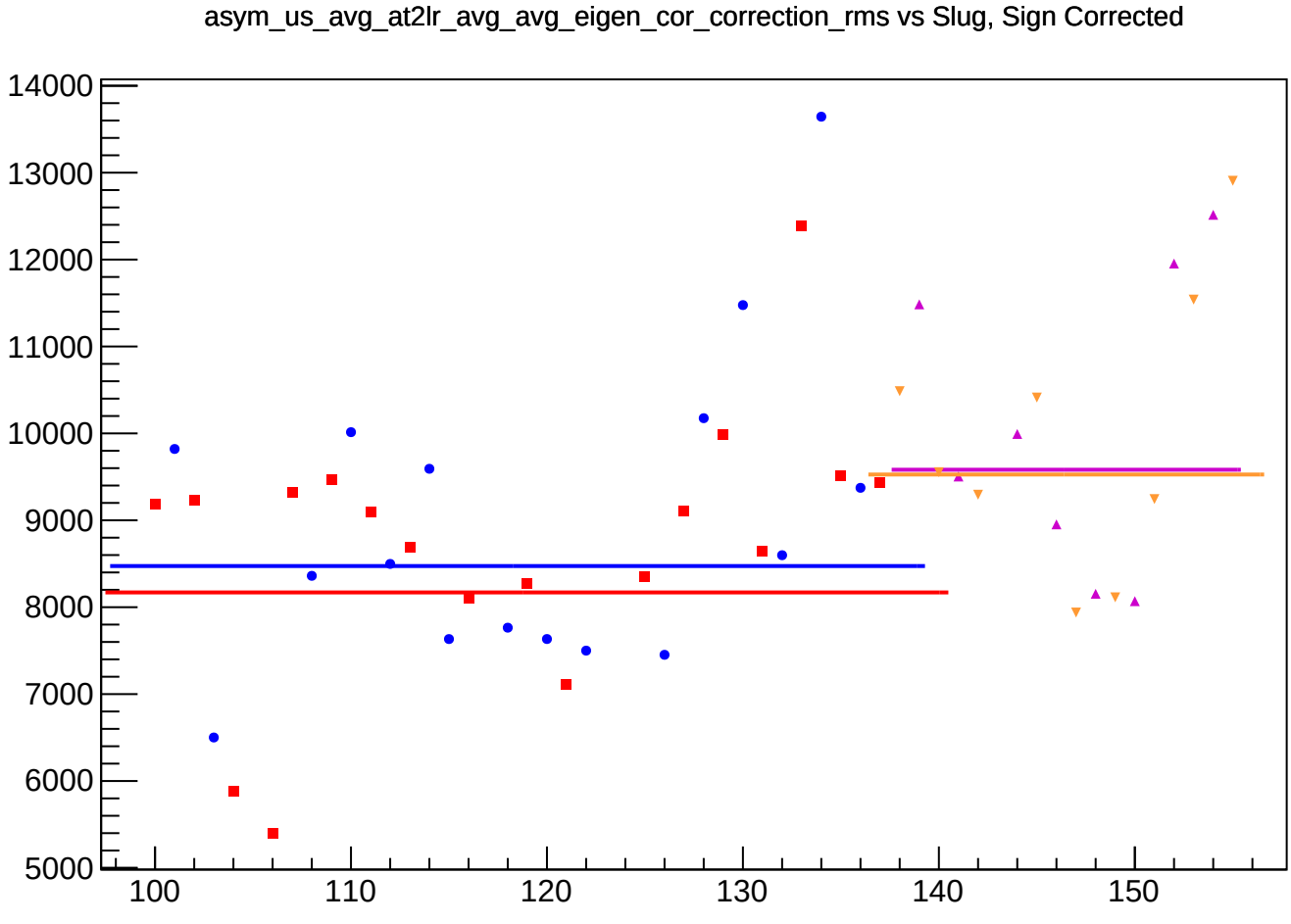
Left: 2494.155+/-2588.220 χ^2/NDF: 13.4/16

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -750.157+/-2415.927 χ^2/NDF:18.9/23

Out: 1388.370+/-2362.618 χ^2/NDF:26.2/26

All: 342.960+/-1689.155 χ^2/NDF: 45.5/50



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 9526.793+/-2.580 χ^2/NDF:306140.4/8

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9581.882+/-2.596 χ^2/NDF:336970.2/7

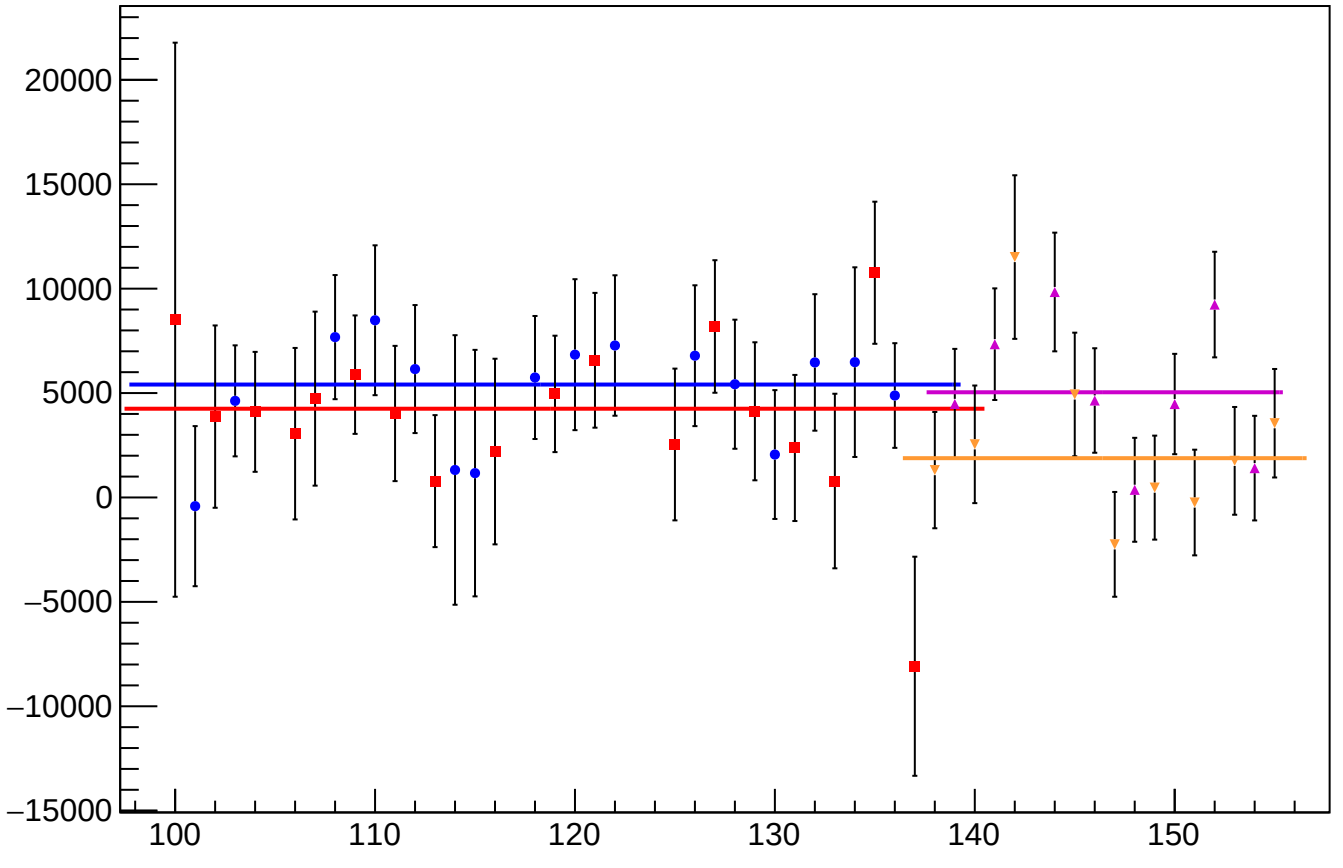
Left: 9554.172+/-1.830 χ^2/NDF: 643337.1/16

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8953.605+/-1.708 χ^2/NDF:869824.5/23

Out: 8738.693+/-1.671 χ^2/NDF:1006642.4/26

All: 8843.751+/-1.194 χ^2/NDF: 1884556.7/50



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1881.606+/-909.506 χ^2/NDF:11.4/8

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5037.777+/-906.190 χ^2/NDF:12.1/7

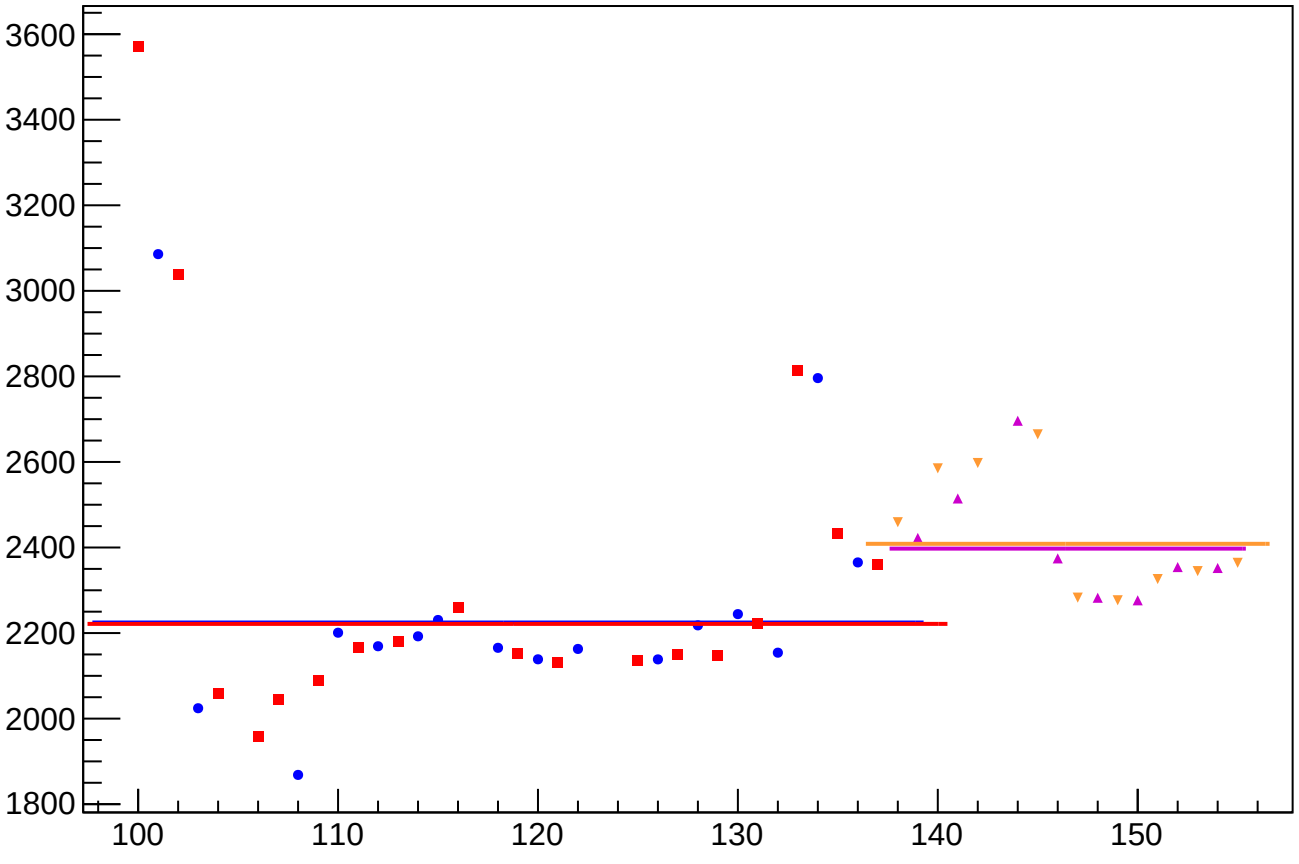
Left: 3465.455+/-641.942 χ^2/NDF: 29.5/16

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5238.217+/-613.540 χ^2/NDF:18.9/23

Out: 3160.624+/-616.817 χ^2/NDF:29.5/26

All: 4204.955+/-434.992 χ^2/NDF: 54.1/50



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2408.616+/-0.643 χ^2/NDF:42690.9/8

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2397.377+/-0.641 χ^2/NDF:36870.1/7

Left: 2402.976+/-0.454 χ^2/NDF: 79714.2/16

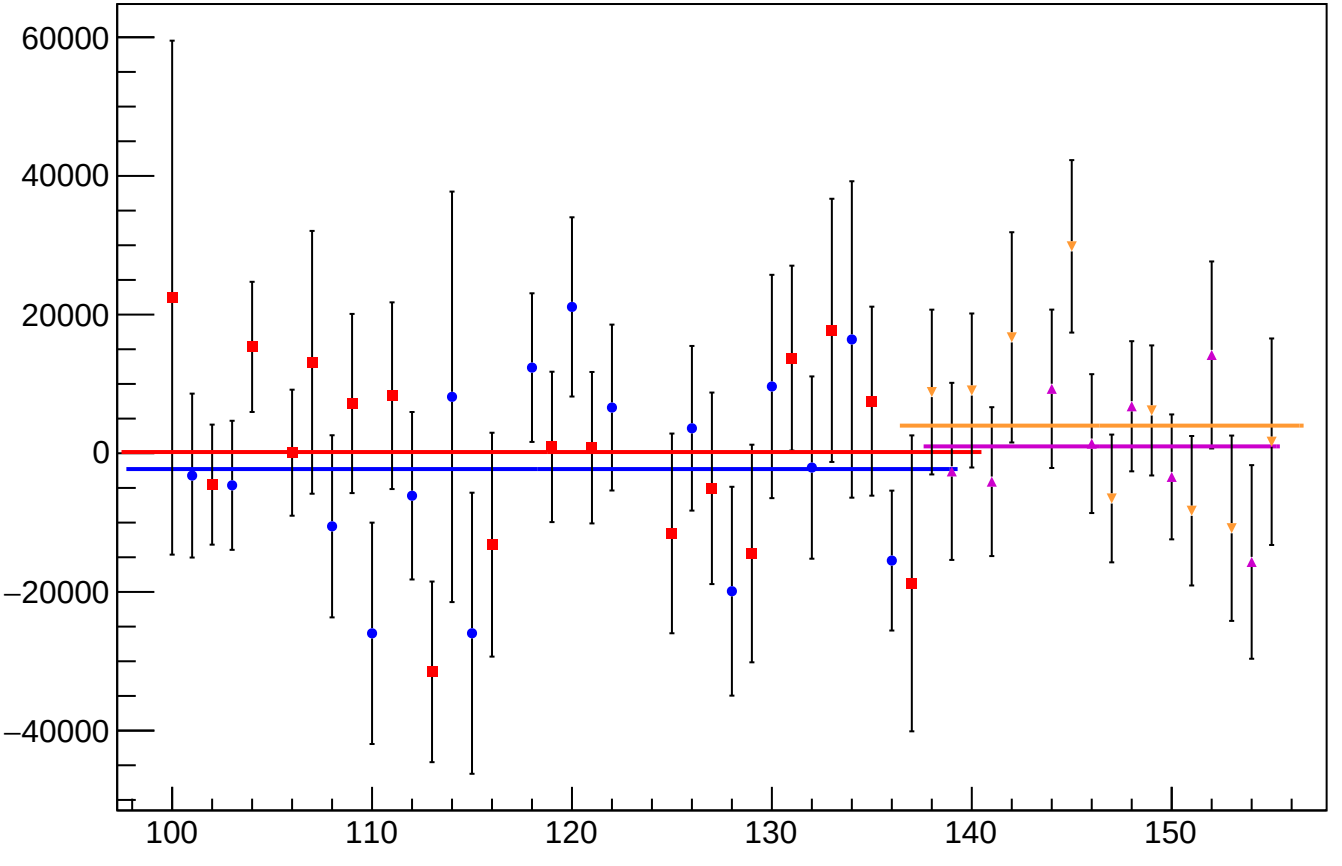
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2303.809+/-0.434 χ^2/NDF:260920.6/23

Out: 2307.464+/-0.436 χ^2/NDF:258415.0/26

All: 2305.628+/-0.308 χ^2/NDF: 519370.9/50

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 3987.051+/-3838.729 χ^2/NDF:9.3/8

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 991.953+/-3870.653 χ^2/NDF:3.8/7

Left: 2501.905+/-2725.608 χ^2/NDF: 13.4/16

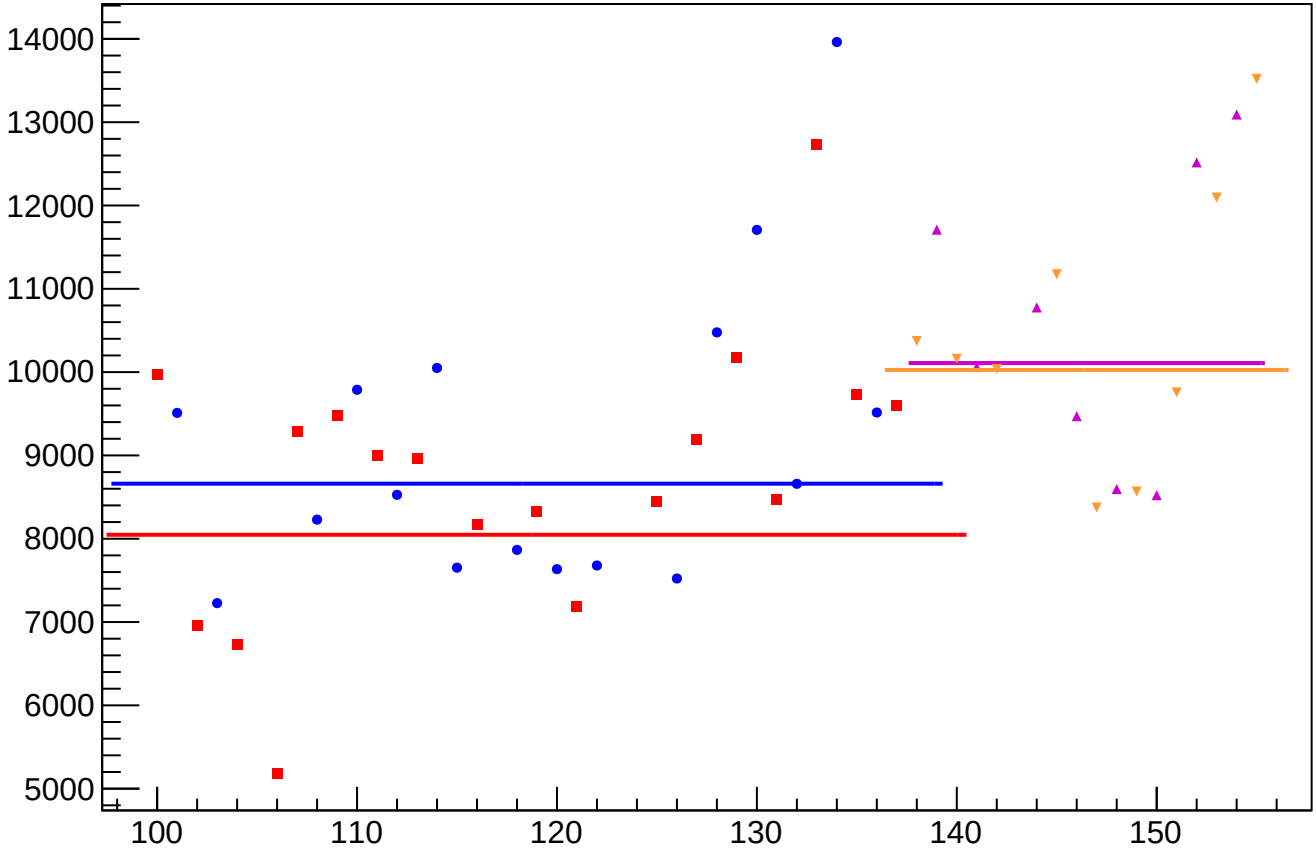
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -915.557+/-2498.697 χ^2/NDF:18.7/23

Out: 1642.760+/-2380.955 χ^2/NDF:25.6/26

All: 425.295+/-1723.711 χ^2/NDF: 44.8/50

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: 10025.930+/-2.714 χ^2/NDF:291085.9/8

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10109.093+/-2.737 χ^2/NDF:315416.8/7

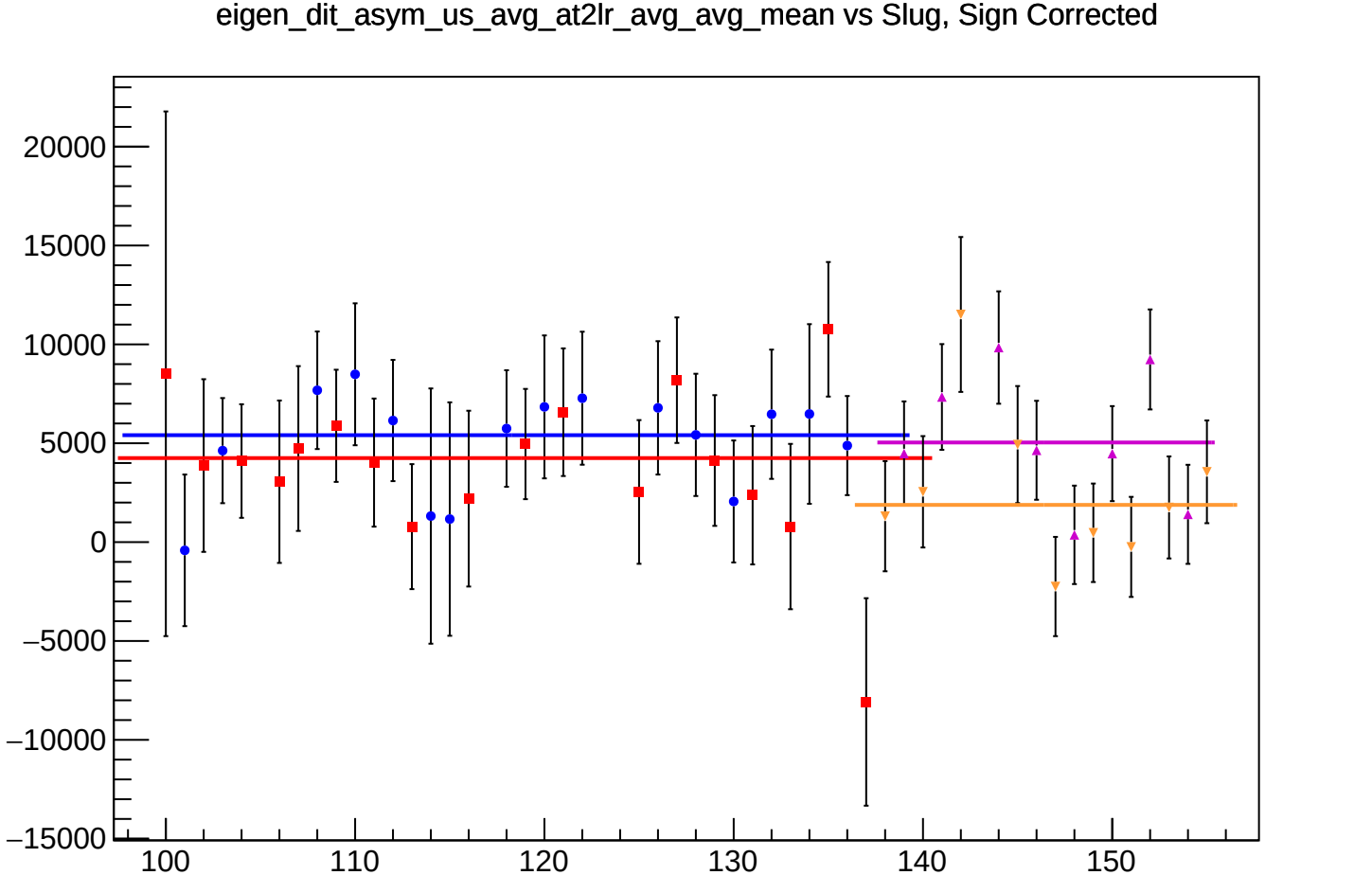
Left: 10067.167+/-1.927 χ^2/NDF: 606968.2/16

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9264.313+/-1.767 χ^2/NDF:836714.6/23

Out: 8808.587+/-1.684 χ^2/NDF:1176532.3/26

All: 9025.460+/-1.219 χ^2/NDF: 2048115.8/50



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1881.602+/-909.507 χ^2/NDF:11.4/8

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5037.773+/-906.191 χ^2/NDF:12.1/7

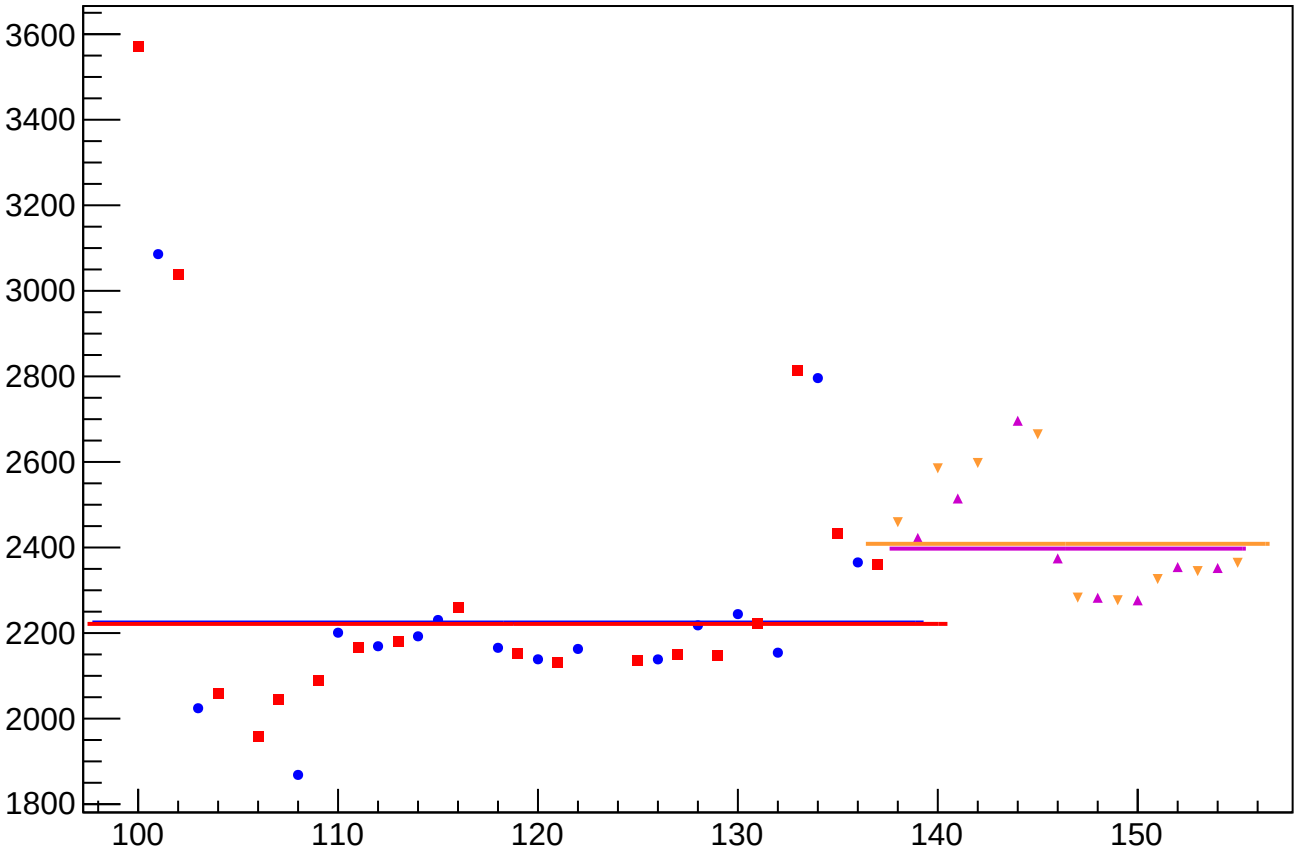
Left: 3465.451+/-641.943 χ^2/NDF: 29.5/16

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5238.217+/-613.540 χ^2/NDF:18.9/23

Out: 3160.627+/-616.817 χ^2/NDF:29.5/26

All: 4204.956+/-434.992 χ^2/NDF: 54.1/50



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2408.618+/-0.643 χ^2/NDF:42691.4/8

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2397.380+/-0.641 χ^2/NDF:36870.4/7

Left: 2402.979+/-0.454 χ^2/NDF: 79715.1/16

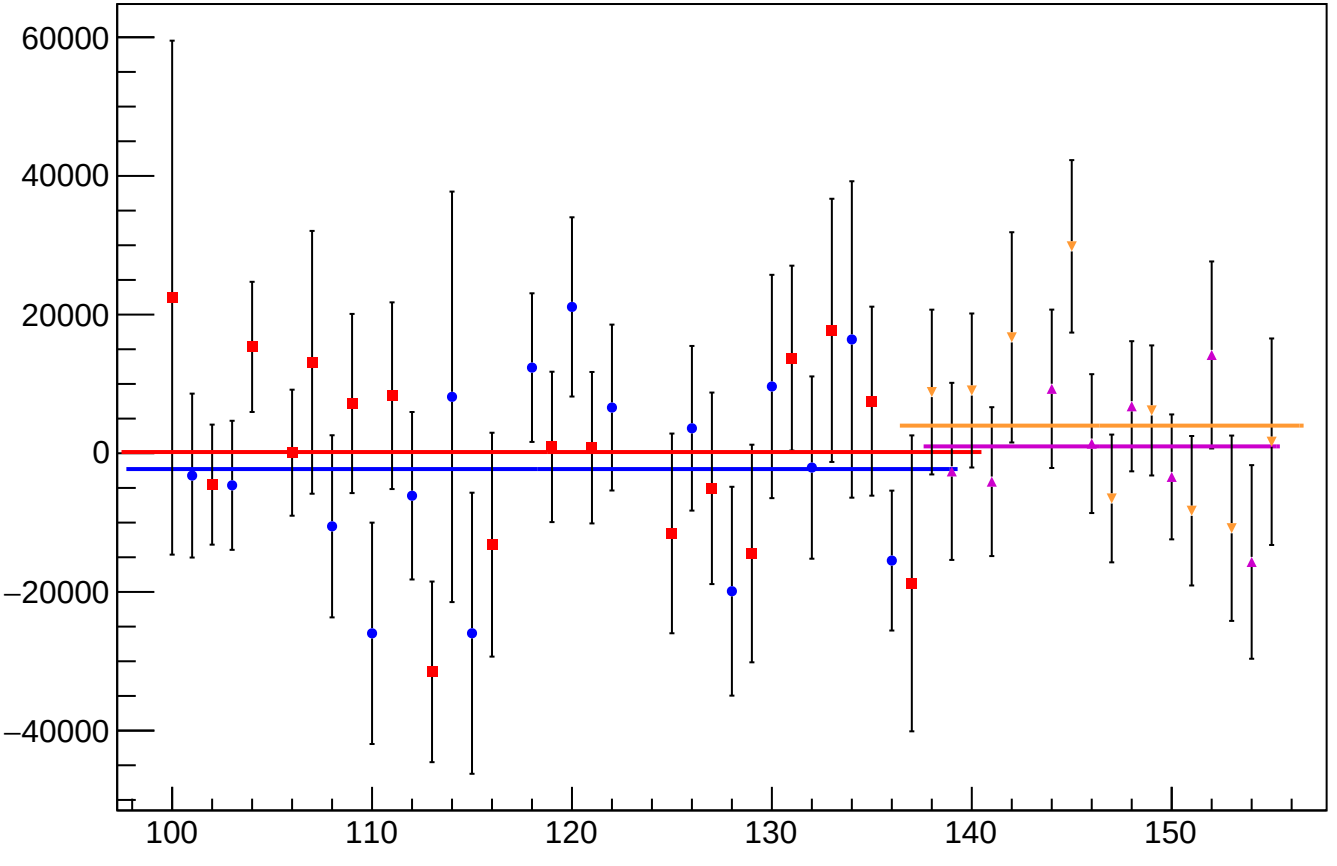
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2303.810+/-0.434 χ^2/NDF:260922.7/23

Out: 2307.465+/-0.436 χ^2/NDF:258417.2/26

All: 2305.628+/-0.308 χ^2/NDF: 519375.2/50

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 3987.045+/-3838.734 χ^2/NDF:9.3/8

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 991.951+/-3870.659 χ^2/NDF:3.8/7

Left: 2501.900+/-2725.612 χ^2/NDF: 13.4/16

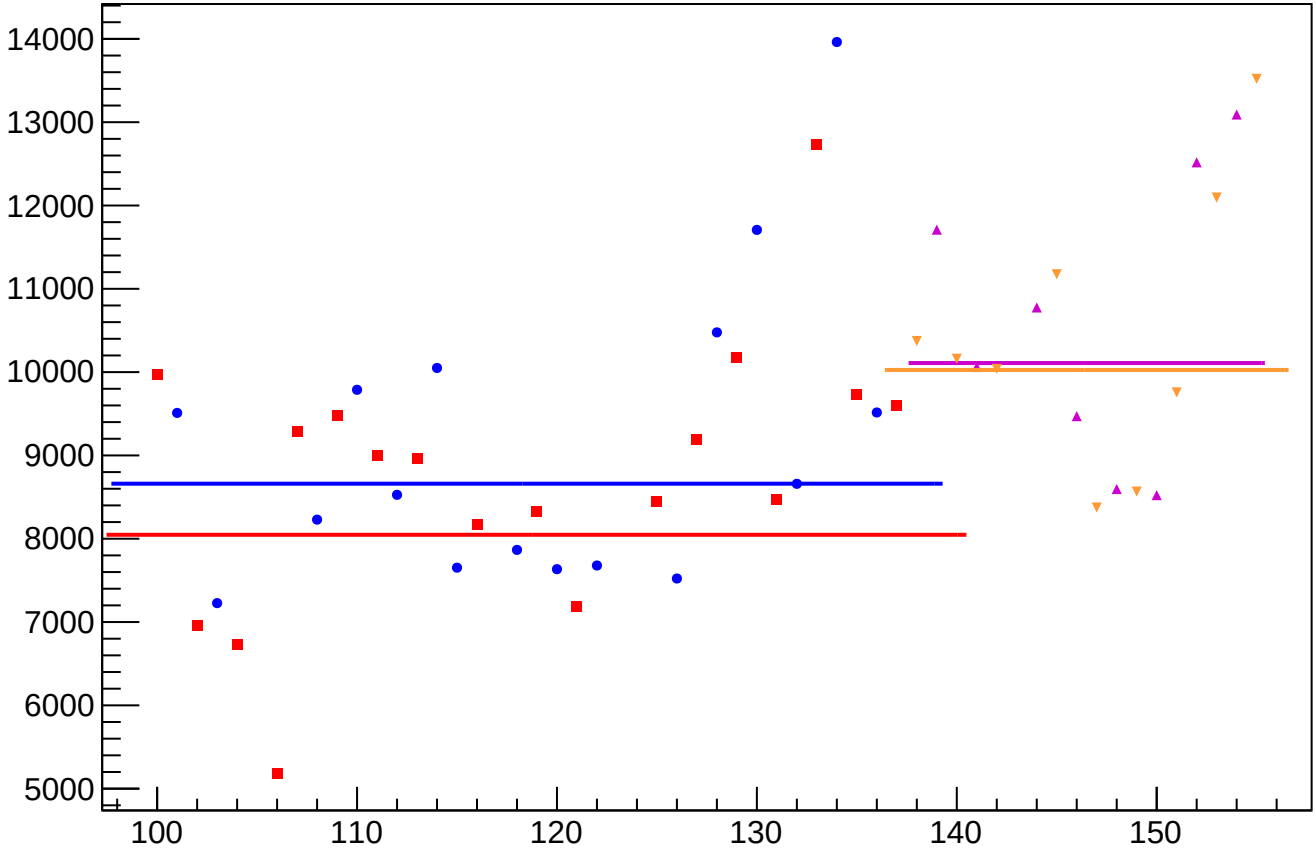
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -915.551+/-2498.695 χ^2/NDF:18.7/23

Out: 1642.754+/-2380.953 χ^2/NDF:25.6/26

All: 425.295+/-1723.710 χ^2/NDF: 44.8/50

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: 10025.943+/-2.714 χ^2/NDF:291087.0/8

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10109.106+/-2.737 χ^2/NDF:315417.5/7

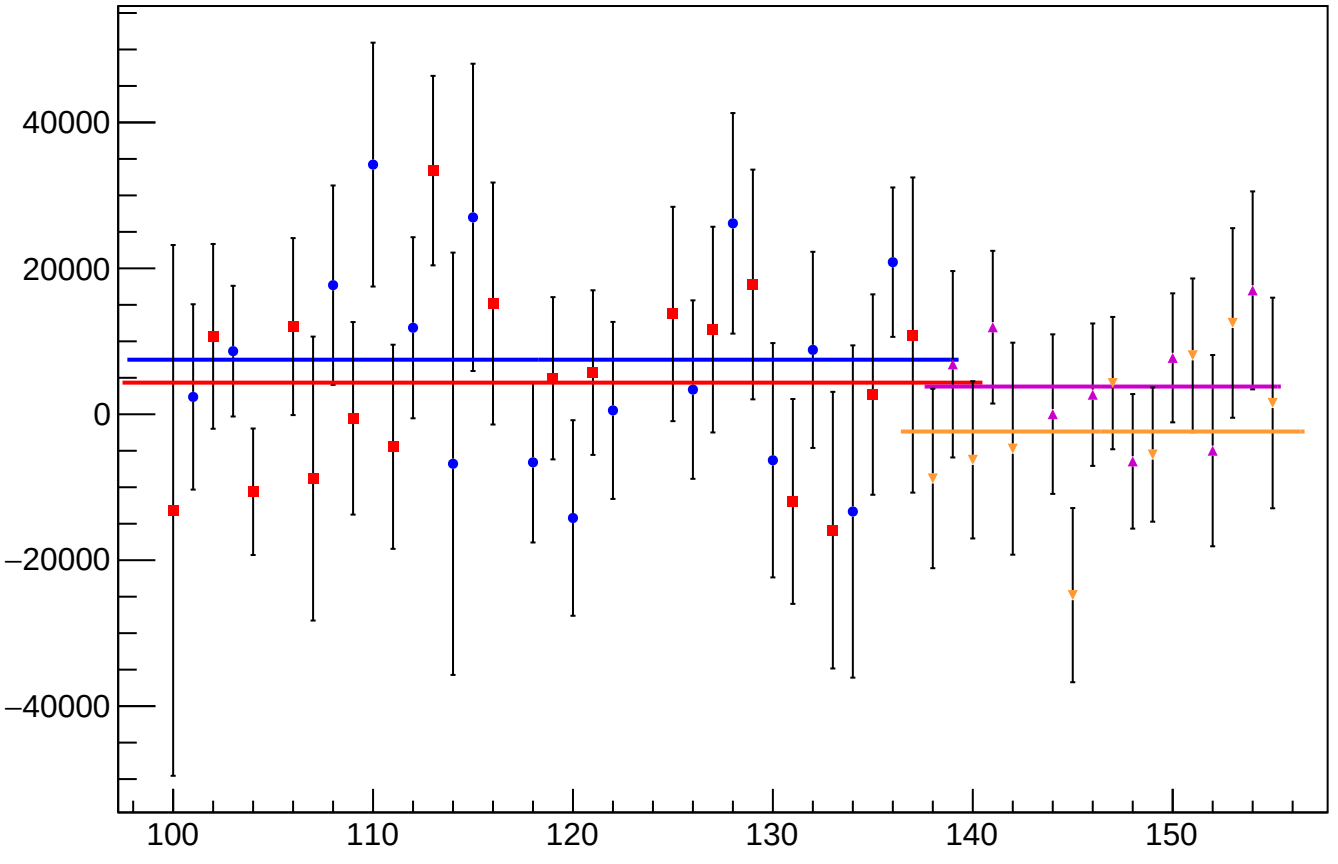
Left: 10067.180+/-1.927 χ^2/NDF: 606969.9/16

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9264.304+/-1.767 χ^2/NDF:836725.3/23

Out: 8808.577+/-1.684 χ^2/NDF:1176542.0/26

All: 9025.451+/-1.219 χ^2/NDF: 2048136.2/50



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -2363.450+/-3761.235 χ^2/NDF:7.0/8

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 3800.962+/-3781.572 χ^2/NDF:3.6/7

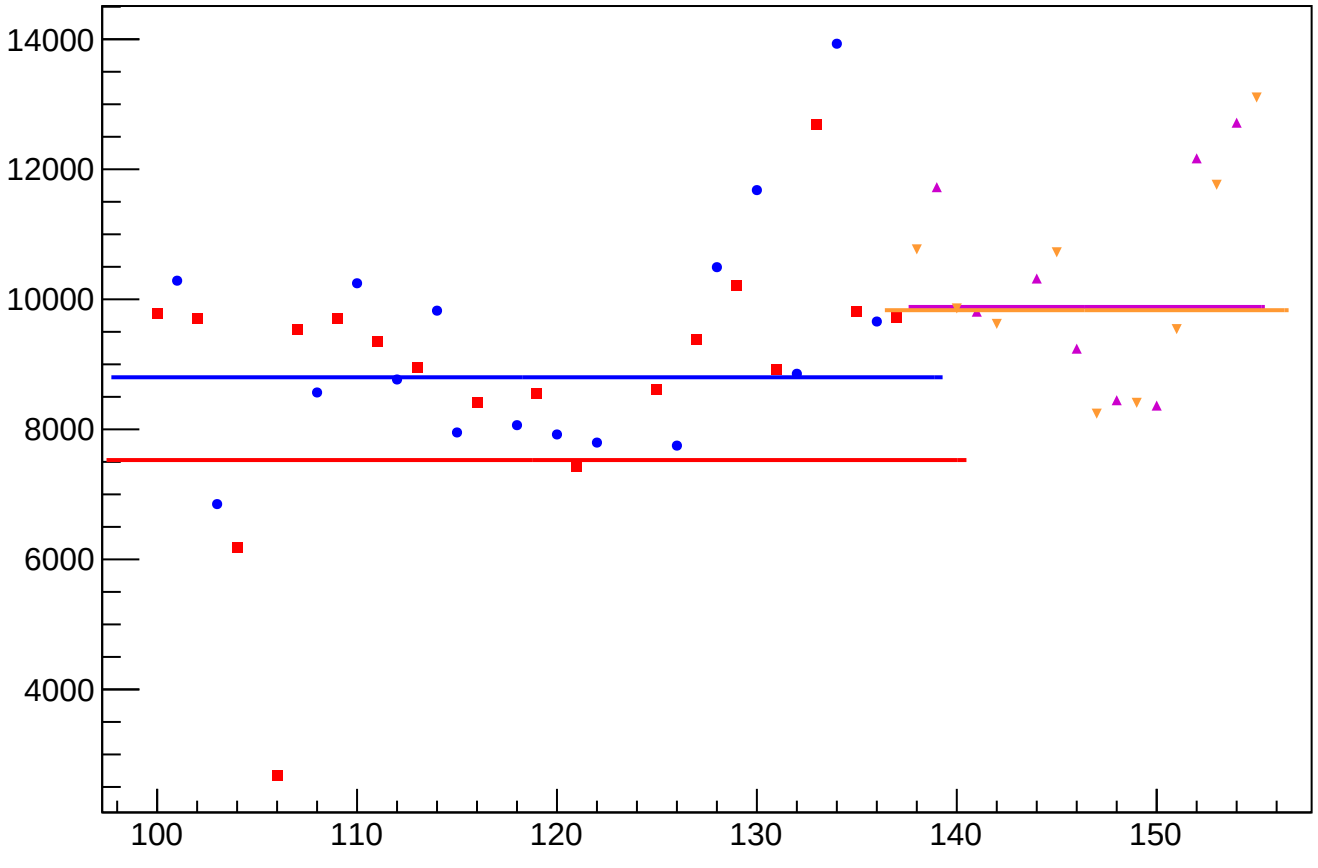
Left: 702.135+/-2666.756 χ^2/NDF: 11.9/16

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5873.654+/-2499.536 χ^2/NDF:18.2/23

Out: 1480.886+/-2455.936 χ^2/NDF:23.1/26

All: 3638.624+/-1751.821 χ^2/NDF: 42.9/50



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 9832.818+/-2.660 χ^2/NDF:281014.0/8

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 9882.684+/-2.674 χ^2/NDF:308965.2/7

Left: 9857.617+/-1.886 χ^2/NDF: 590154.0/16

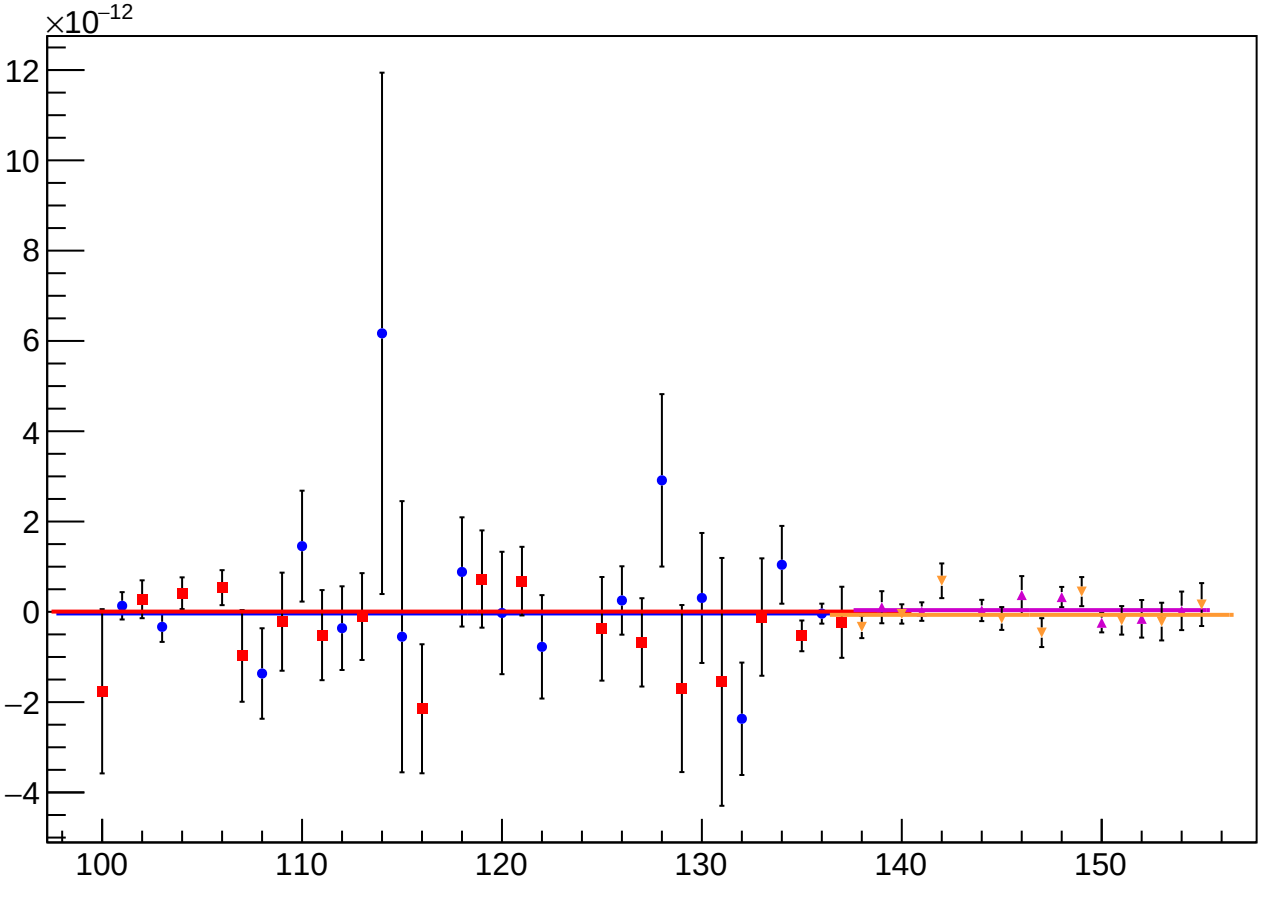
Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9273.615+/-1.767 χ^2/NDF:795674.8/23

Out: 8427.655+/-1.662 χ^2/NDF:2396212.7/26

All: 8824.588+/-1.211 χ^2/NDF: 3313489.1/50

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:4.3/7

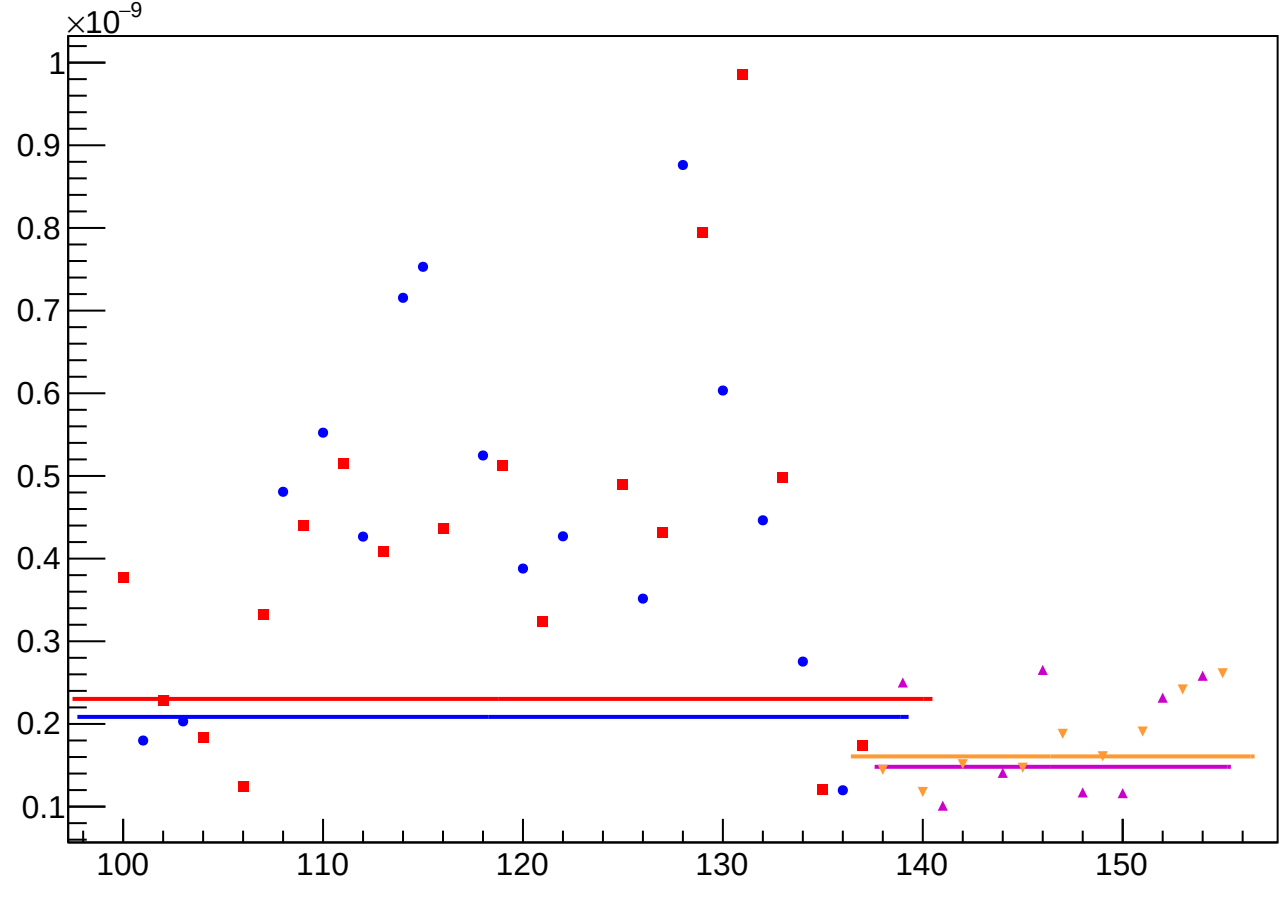
Left: -0.000+/-0.000 χ^2/NDF: 14.5/16

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:18.7/23

Out: -0.000+/-0.000 χ^2/NDF:23.6/26

All: -0.000+/-0.000 χ^2/NDF: 42.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:293837.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:724337.2/7

Left: 0.000+/-0.000 χ^2/NDF: 1034553.5/16

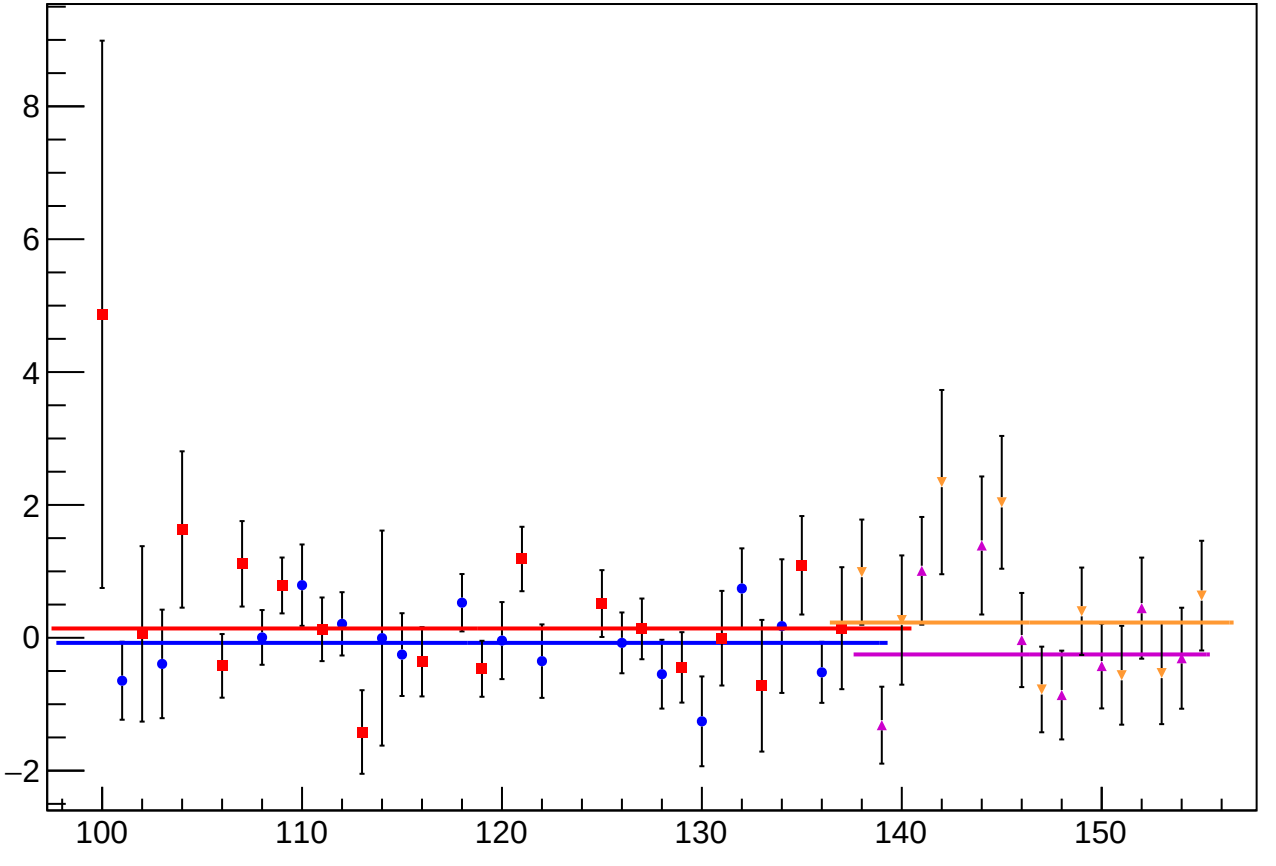
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2605156.7/23

Out: 0.000+/-0.000 χ^2/NDF:2136037.5/26

All: 0.000+/-0.000 χ^2/NDF: 4769205.7/50

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: 0.230+/-0.269 χ^2/NDF:11.4/8

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.251+/-0.253 χ^2/NDF:10.1/7

Left: -0.025+/-0.184 χ^2/NDF: 23.2/16

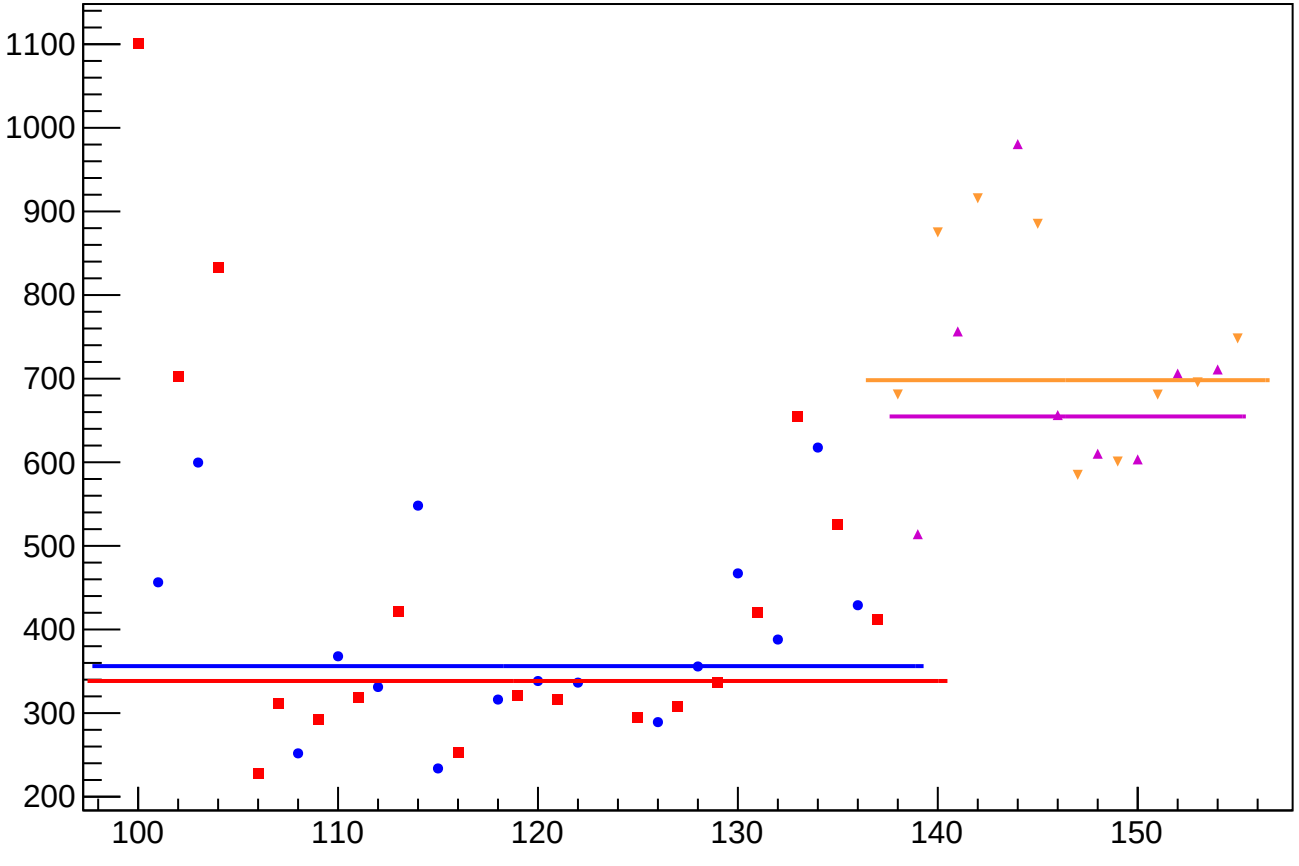
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.117+/-0.122 χ^2/NDF:23.0/23

Out: 0.159+/-0.123 χ^2/NDF:38.5/26

All: 0.021+/-0.087 χ^2/NDF: 64.0/50

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: 698.177+/-0.190 χ^2/NDF:300012.5/8

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 654.798+/-0.179 χ^2/NDF:388121.2/7

Left: 675.221+/-0.130 χ^2/NDF: 715731.6/16

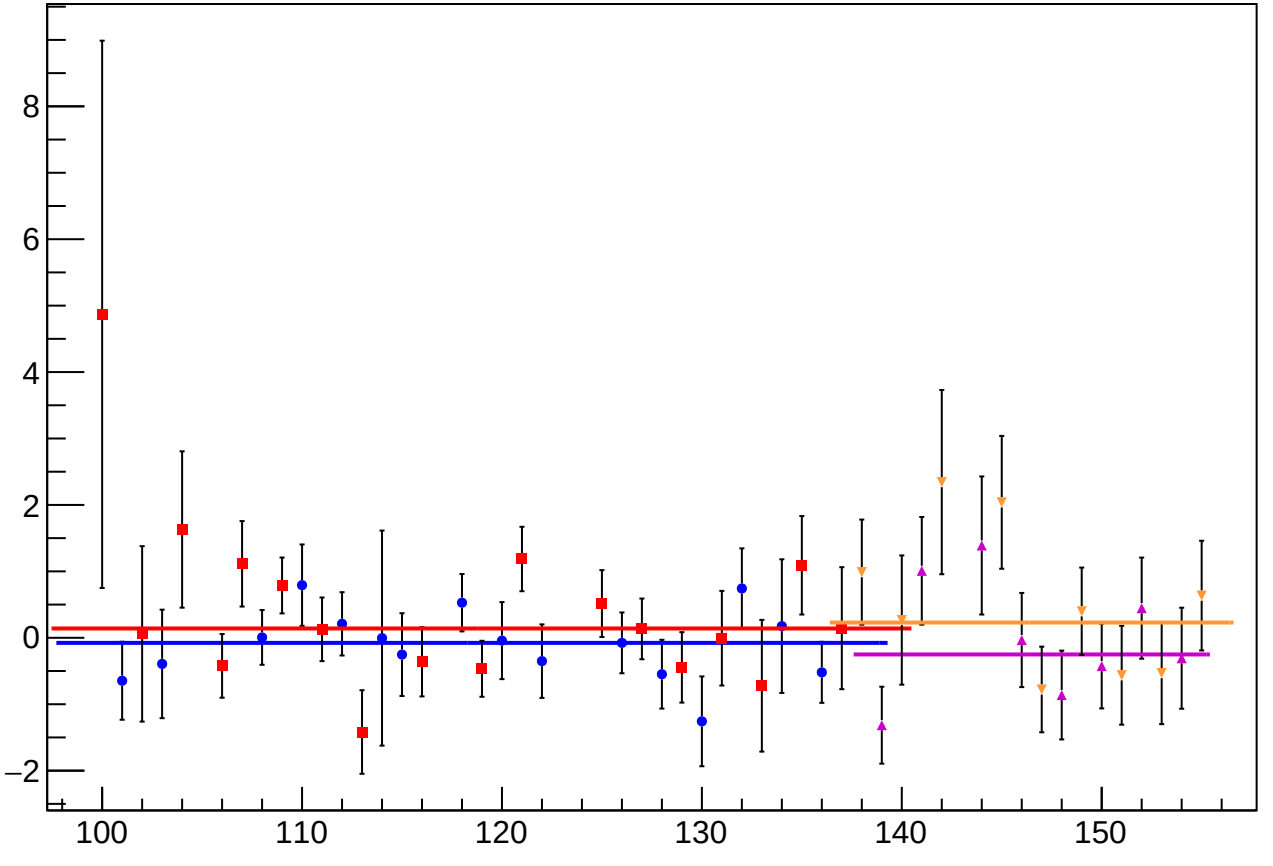
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 425.953+/-0.087 χ^2/NDF:3301942.5/23

Out: 413.503+/-0.087 χ^2/NDF:4341677.4/26

All: 419.741+/-0.061 χ^2/NDF: 7653931.4/50

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: 0.230+/-0.269 χ^2/NDF:11.4/8

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.251+/-0.253 χ^2/NDF:10.1/7

Left: -0.025+/-0.184 χ^2/NDF: 23.2/16

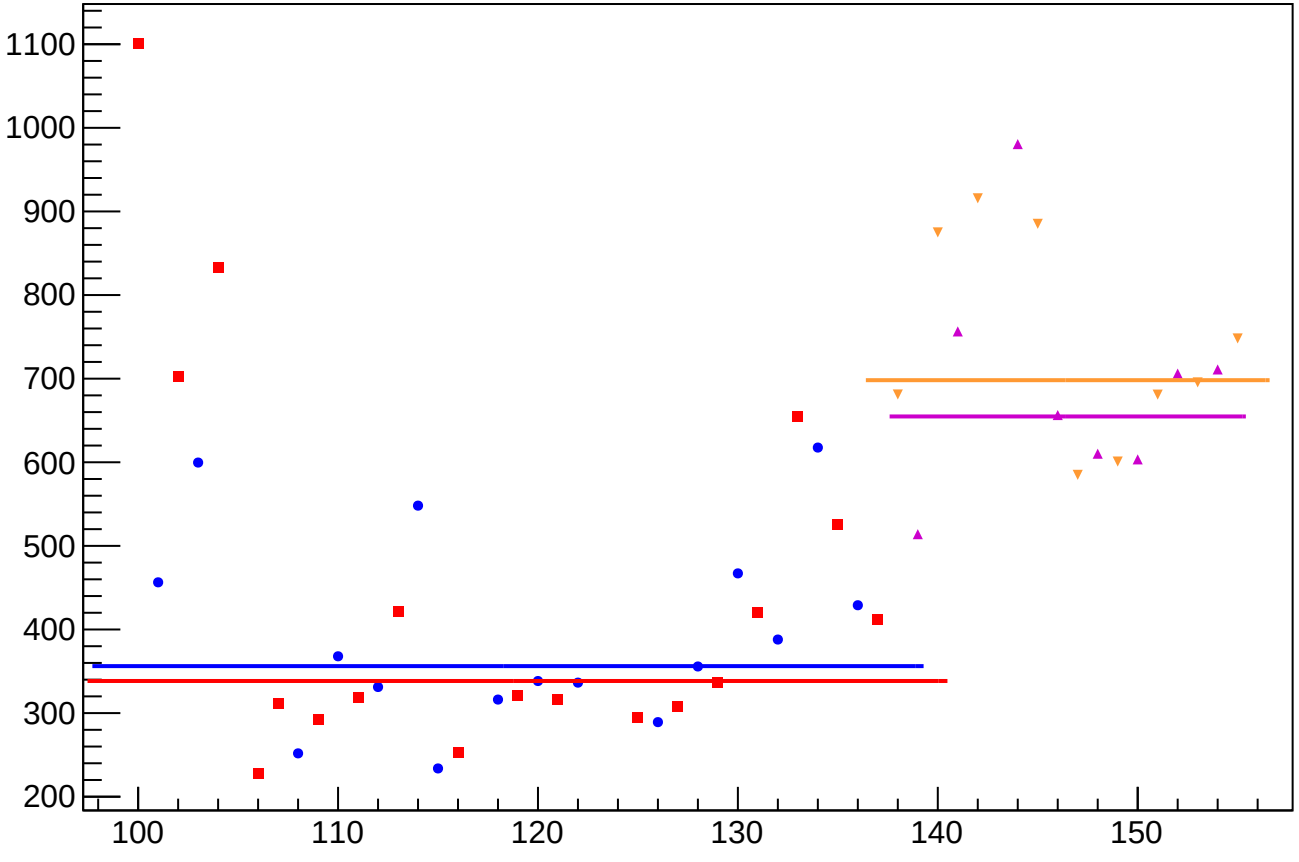
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.117+/-0.122 χ^2/NDF:23.0/23

Out: 0.159+/-0.123 χ^2/NDF:38.5/26

All: 0.021+/-0.087 χ^2/NDF: 64.0/50

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: 698.177+/-0.190 χ^2/NDF:300012.5/8

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 654.798+/-0.179 χ^2/NDF:388121.2/7

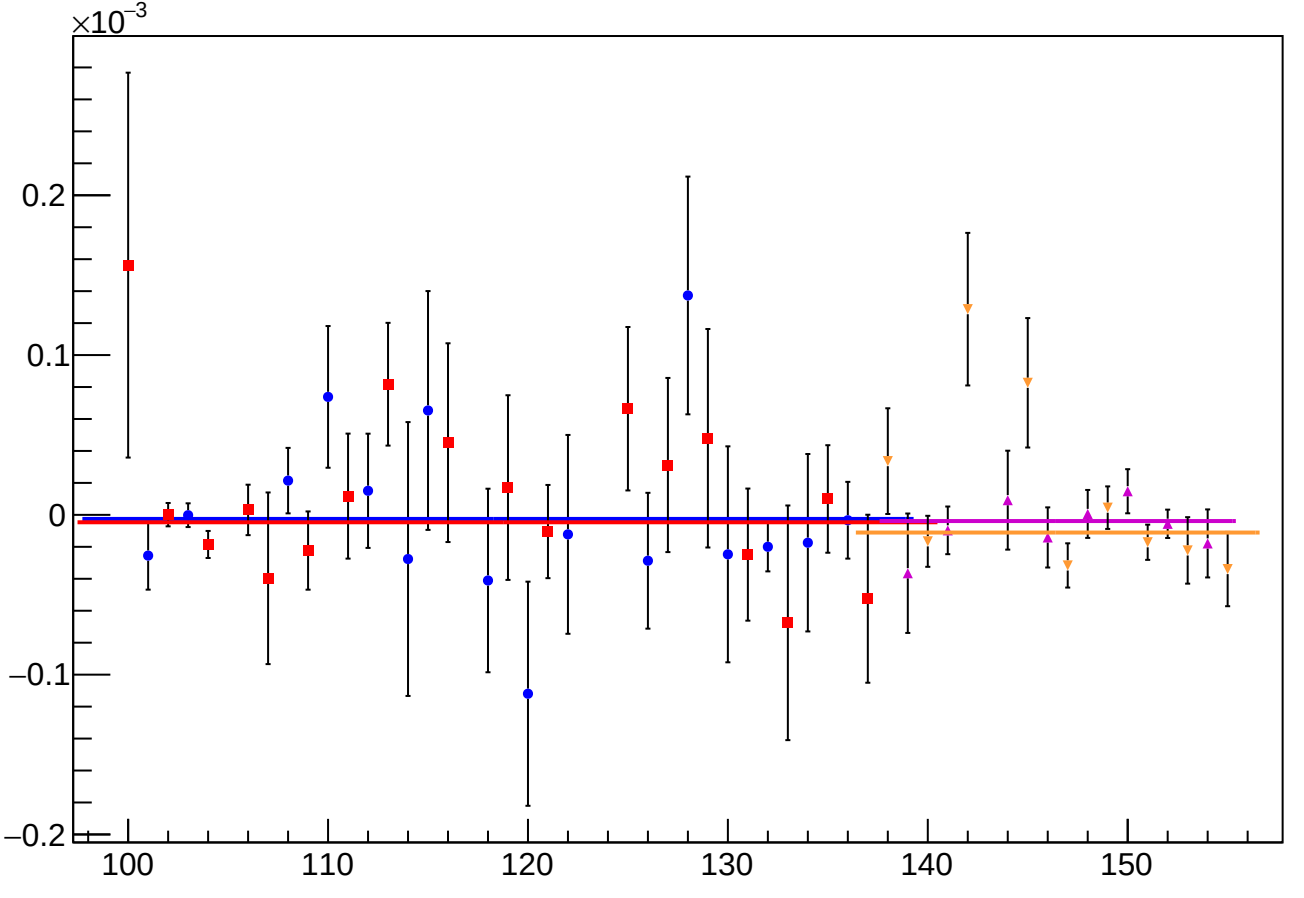
Left: 675.221+/-0.130 χ^2/NDF: 715731.6/16

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 425.953+/-0.087 χ^2/NDF:3301942.5/23

Out: 413.503+/-0.087 χ^2/NDF:4341677.4/26

All: 419.741+/-0.061 χ^2/NDF: 7653931.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.0/8

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: -0.000+/-0.000 χ^2/NDF:3.8/7

Left: -0.000+/-0.000 χ^2/NDF: 25.6/16

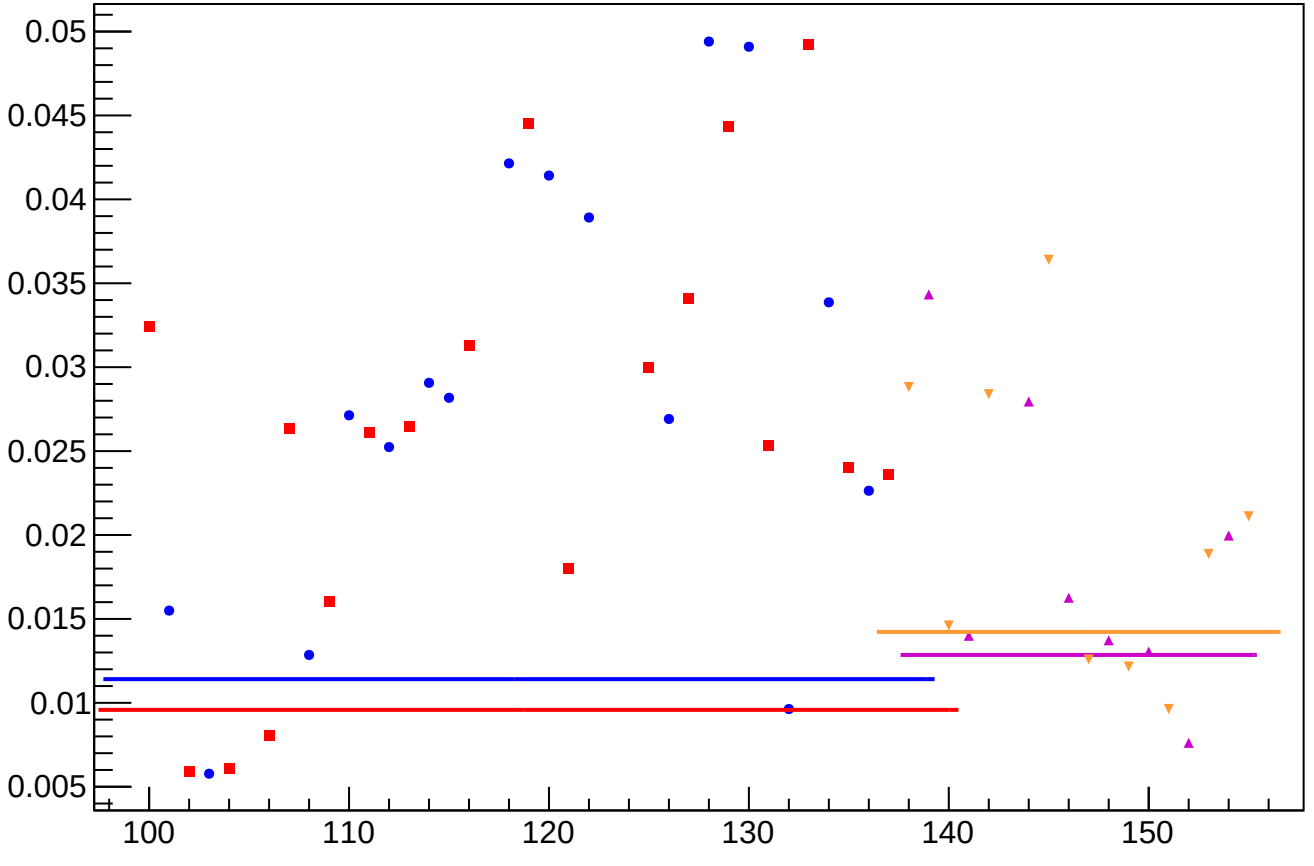
Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:18.8/23

Out: -0.000+/-0.000 χ^2/NDF:38.8/26

All: -0.000+/-0.000 χ^2/NDF: 58.2/50

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.014+/-0.000 χ^2/NDF:1864406.8/8

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:2141946.5/7

Left: 0.013+/-0.000 χ^2/NDF: 4065286.9/16

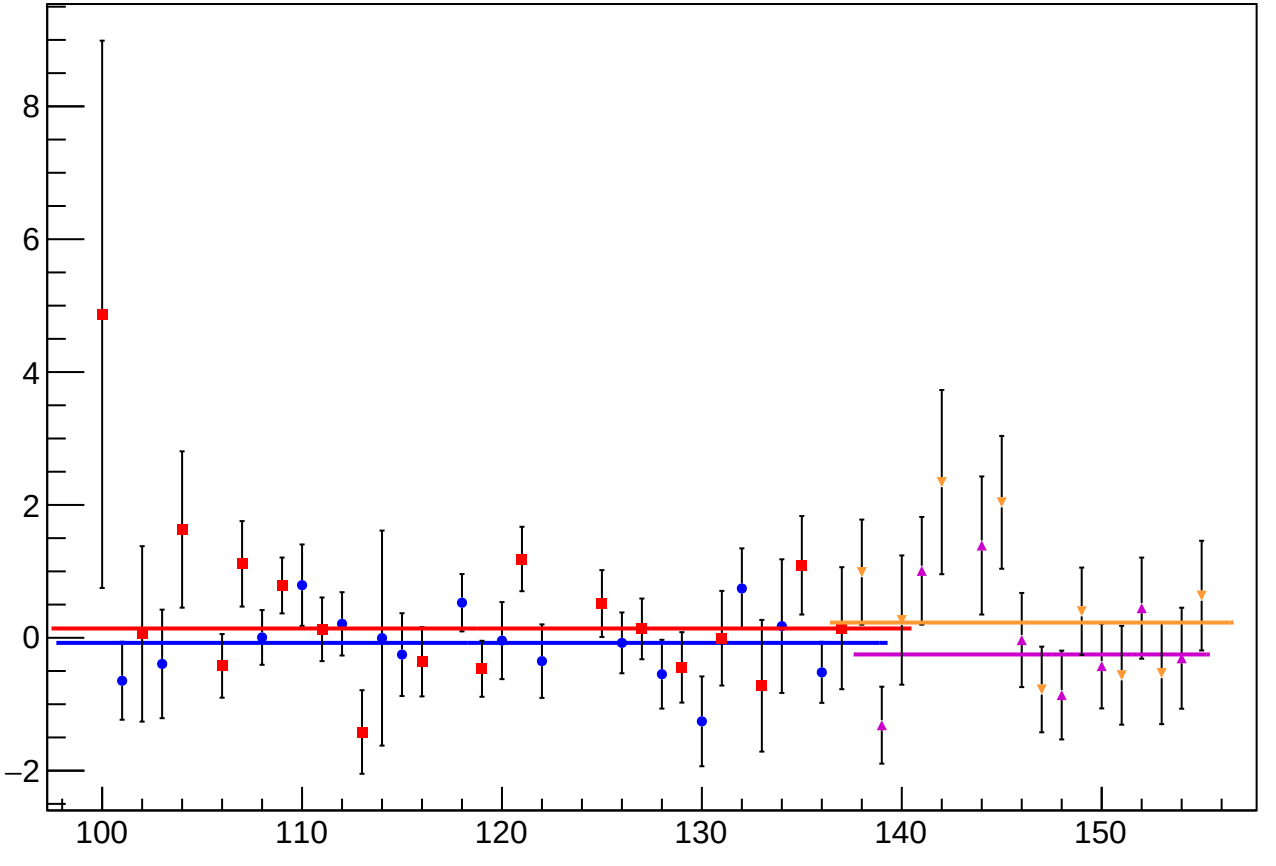
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:7711193.3/23

Out: 0.011+/-0.000 χ^2/NDF:8414556.8/26

All: 0.012+/-0.000 χ^2/NDF: 16163564.6/50

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: 0.230+/-0.269 χ^2/NDF:11.4/8

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.251+/-0.253 χ^2/NDF:10.1/7

Left: -0.025+/-0.184 χ^2/NDF: 23.2/16

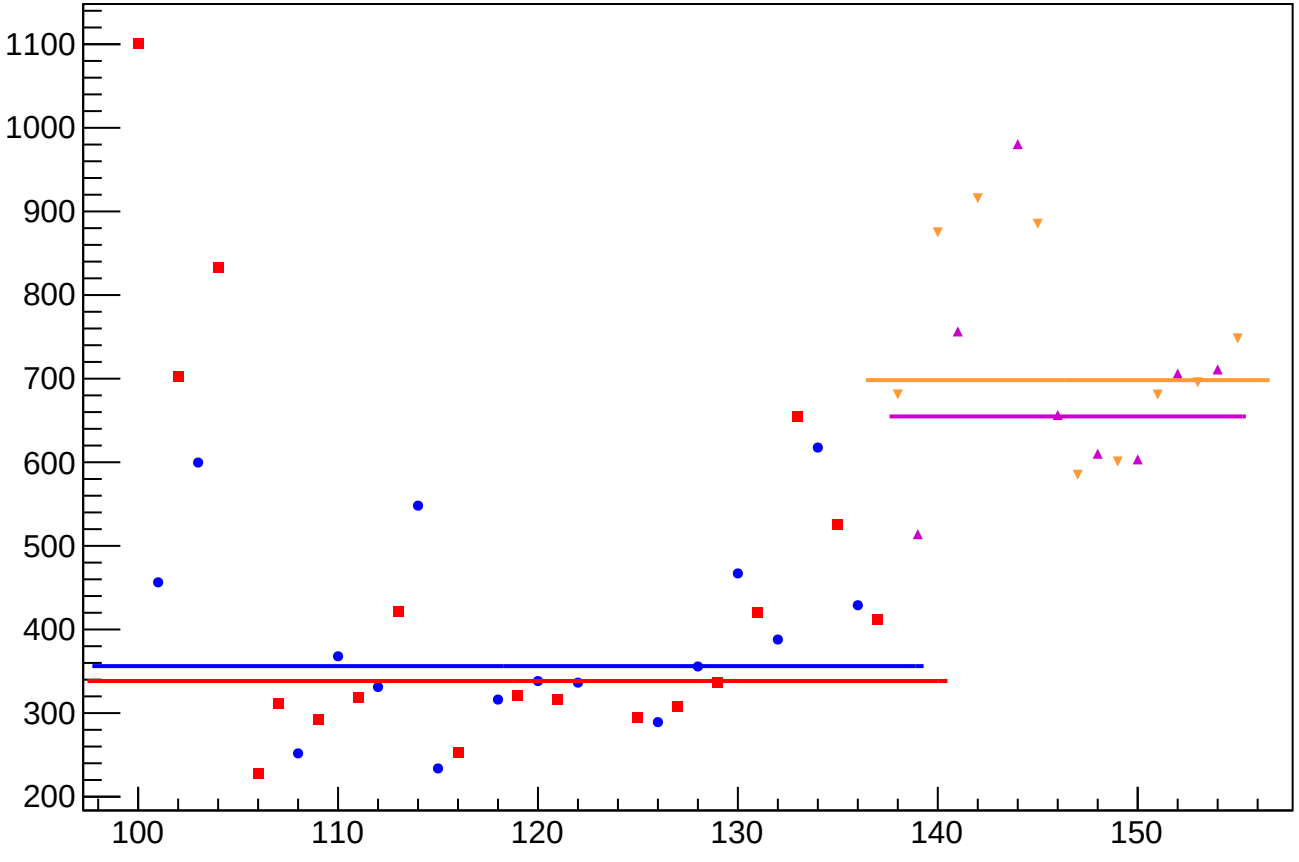
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.117+/-0.122 χ^2/NDF:23.0/23

Out: 0.159+/-0.123 χ^2/NDF:38.5/26

All: 0.021+/-0.087 χ^2/NDF: 64.0/50

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: 698.185+/-0.190 χ^2/NDF:300018.9/8

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 654.807+/-0.179 χ^2/NDF:388108.8/7

Left: 675.230+/-0.130 χ^2/NDF: 715723.4/16

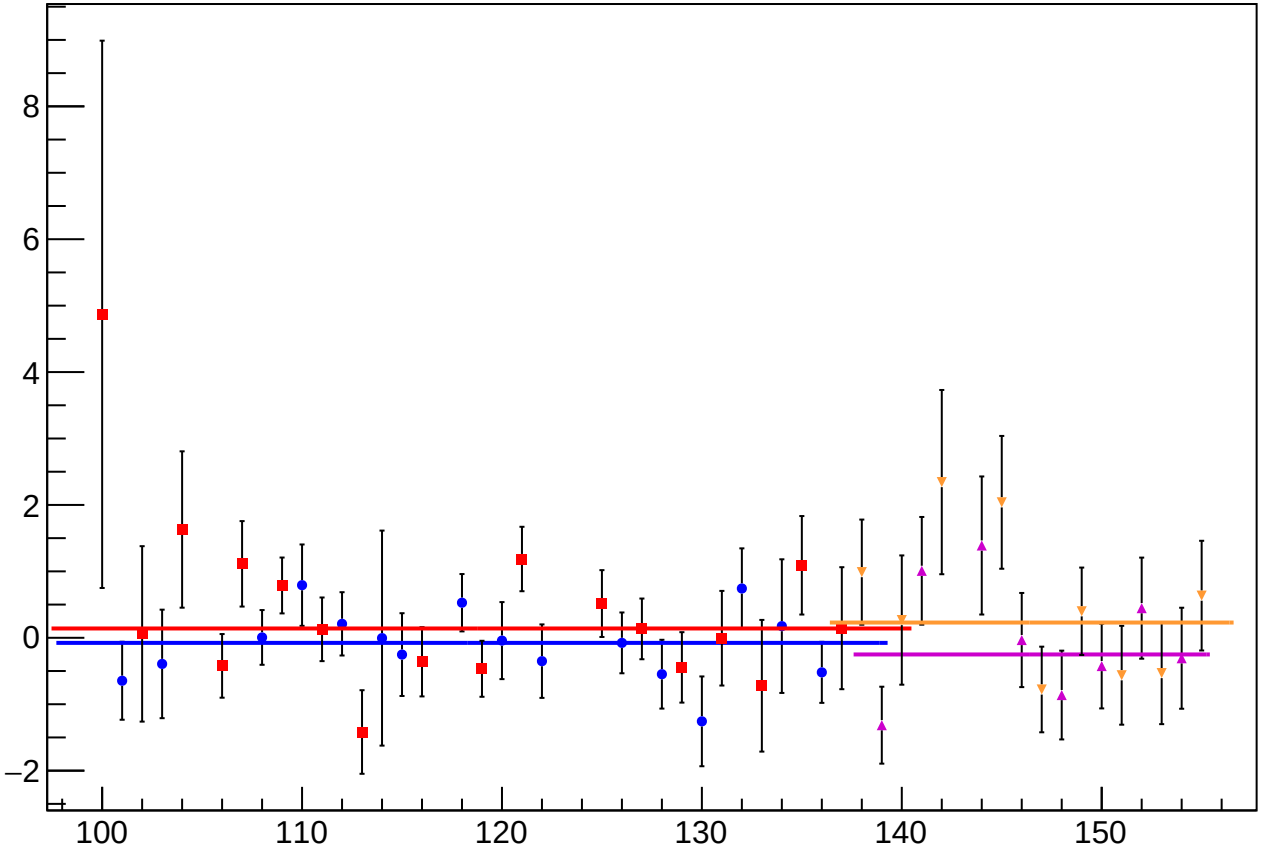
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 425.952+/-0.087 χ^2/NDF:3302009.9/23

Out: 413.501+/-0.087 χ^2/NDF:4341780.0/26

All: 419.739+/-0.061 χ^2/NDF: 7654103.5/50

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: 0.230+/-0.269 χ^2/NDF:11.4/8

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.251+/-0.253 χ^2/NDF:10.1/7

Left: -0.025+/-0.184 χ^2/NDF: 23.2/16

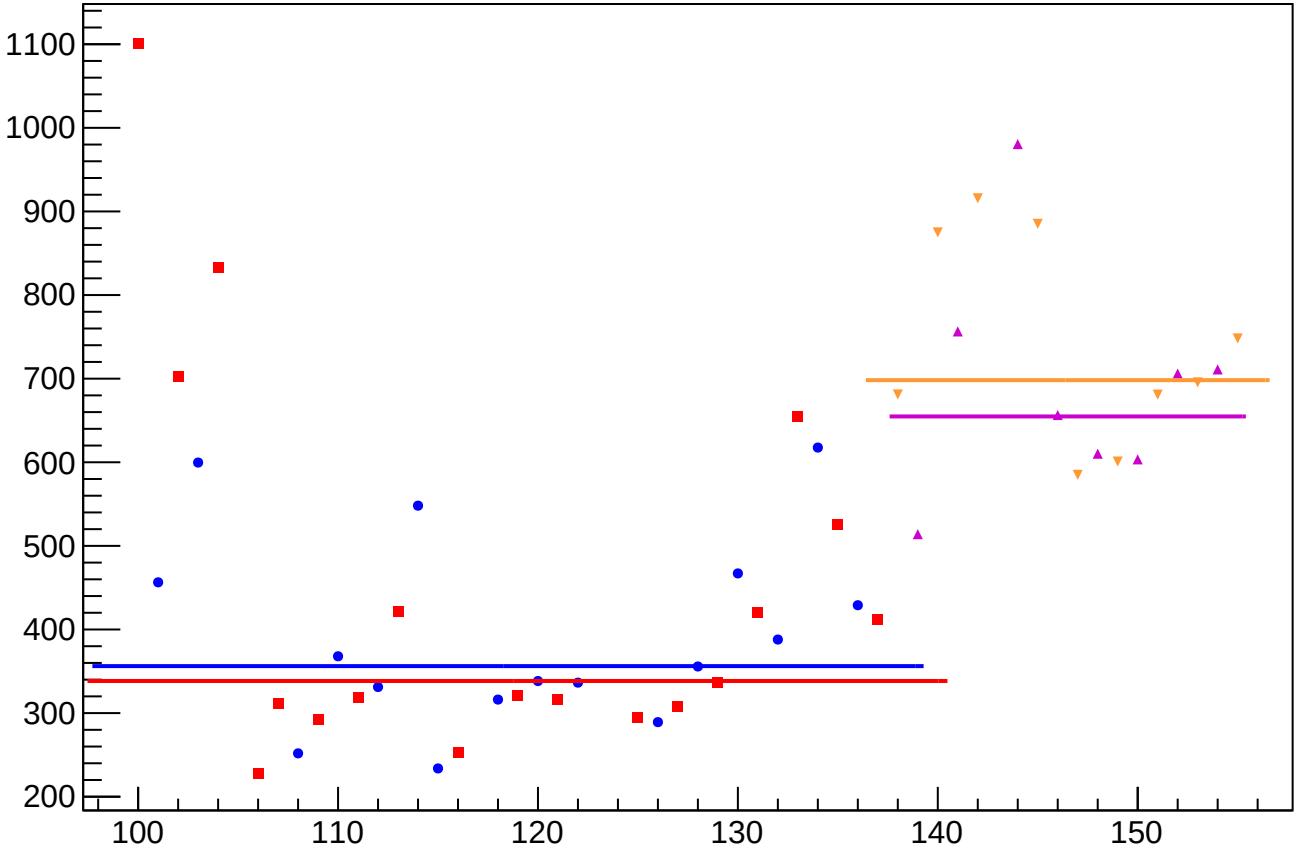
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.117+/-0.122 χ^2/NDF:23.0/23

Out: 0.159+/-0.123 χ^2/NDF:38.5/26

All: 0.021+/-0.087 χ^2/NDF: 64.0/50

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: 698.185+/-0.190 χ^2/NDF:300018.9/8

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 654.807+/-0.179 χ^2/NDF:388108.8/7

Left: 675.230+/-0.130 χ^2/NDF: 715723.4/16

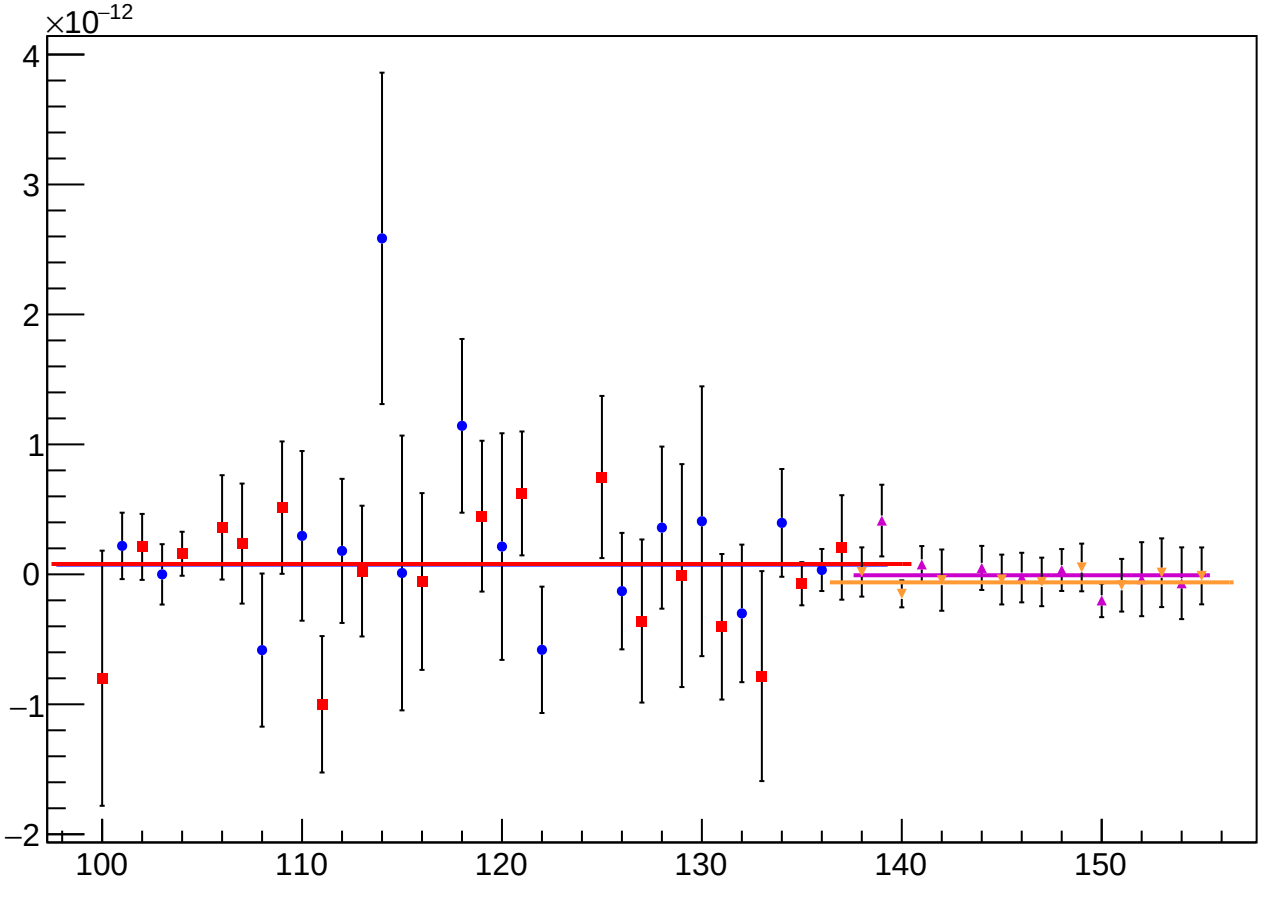
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 425.952+/-0.087 χ^2/NDF:3302009.9/23

Out: 413.501+/-0.087 χ^2/NDF:4341780.0/26

All: 419.739+/-0.061 χ^2/NDF: 7654103.5/50

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:1.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.2/7

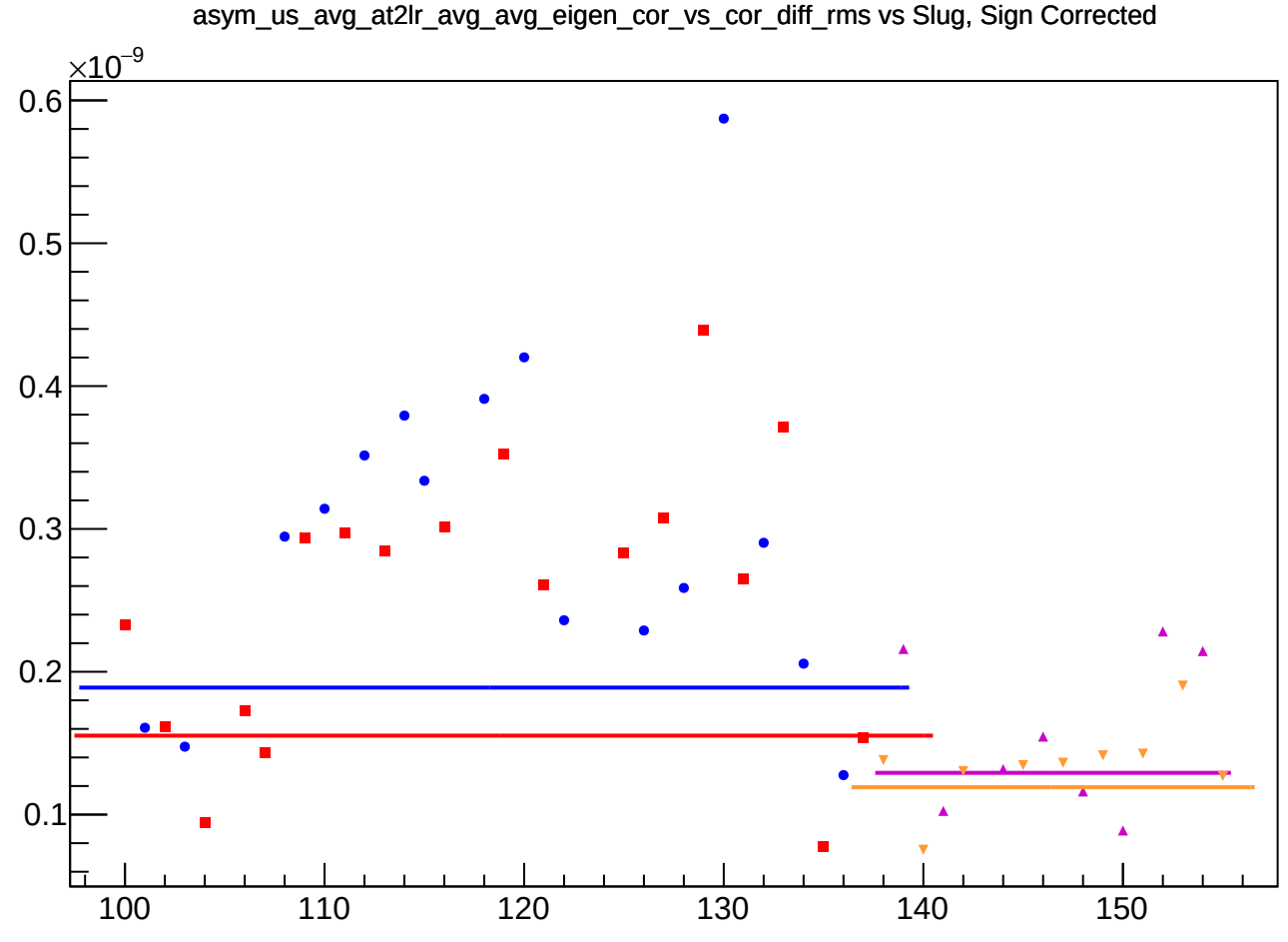
Left: -0.000+/-0.000 χ^2/NDF: 7.0/16

Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: 0.000+/-0.000 χ^2/NDF:17.5/23

Out: -0.000+/-0.000 χ^2/NDF:16.4/26

All: -0.000+/-0.000 χ^2/NDF: 34.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:613741.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:946259.7/7

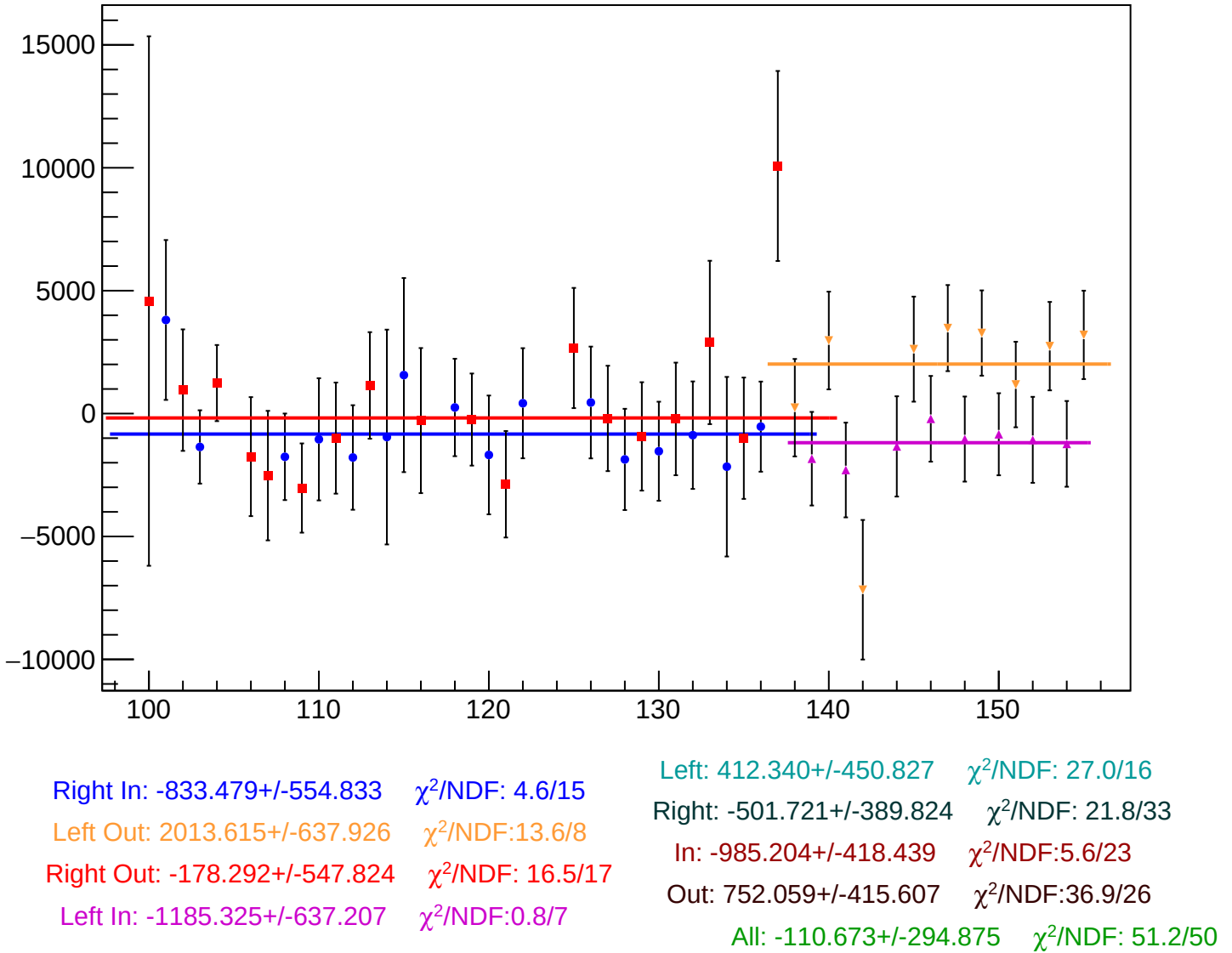
Left: 0.000+/-0.000 χ^2/NDF: 1586909.1/16

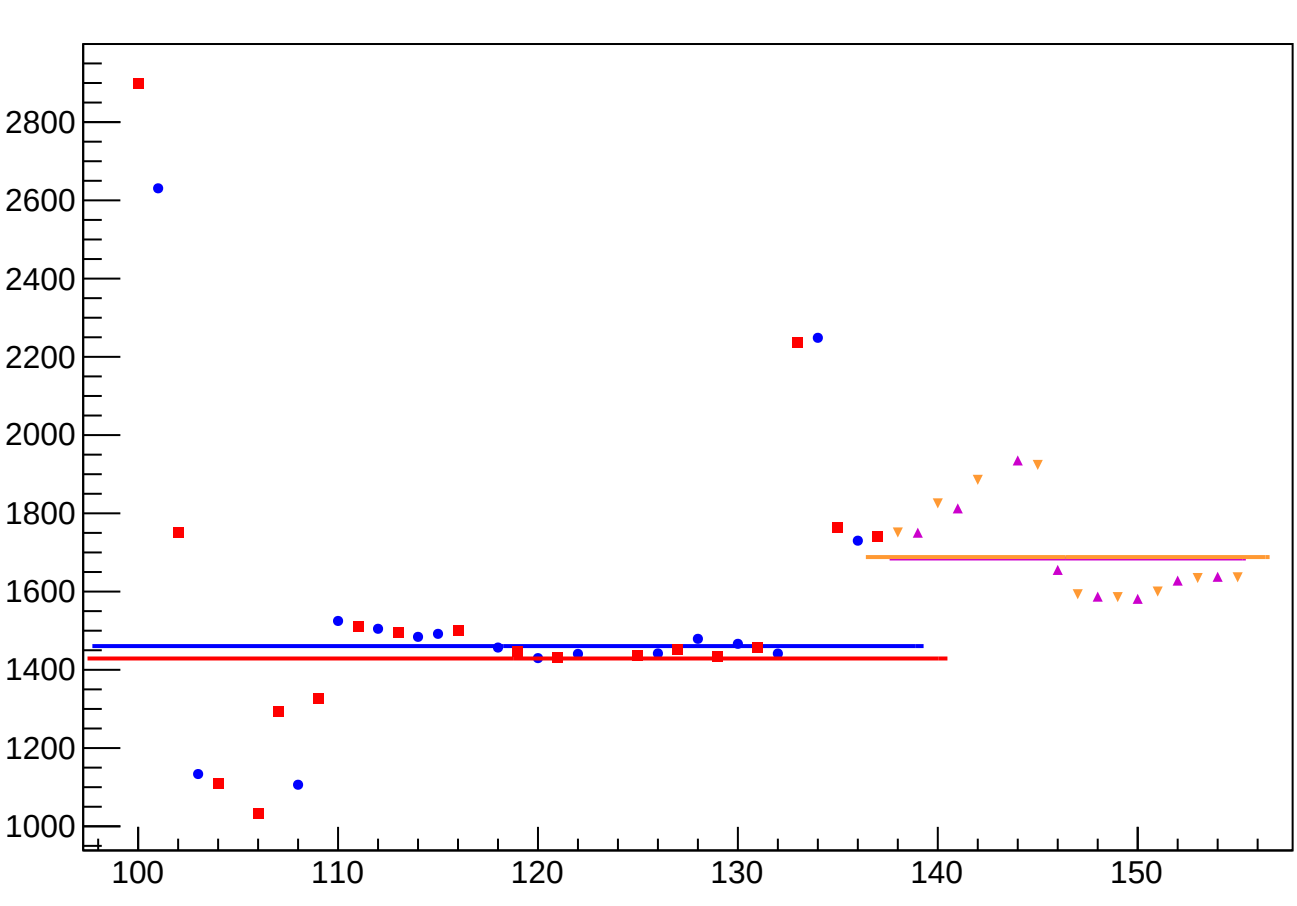
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:3002777.3/23

Out: 0.000+/-0.000 χ^2/NDF:3055205.8/26

All: 0.000+/-0.000 χ^2/NDF: 6160422.6/50


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: 2013.615+/-637.926 χ²/NDF:13.6/8
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1185.325+/-637.207 χ²/NDF:0.8/7
Left: 412.340+/-450.827 χ²/NDF: 27.0/16
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -985.204+/-418.439 χ²/NDF:5.6/23
Out: 752.059+/-415.607 χ²/NDF:36.9/26
All: -110.673+/-294.875 χ²/NDF: 51.2/50



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1688.206+/-0.451 χ^2/NDF:66923.9/8

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1684.575+/-0.451 χ^2/NDF:59490.9/7

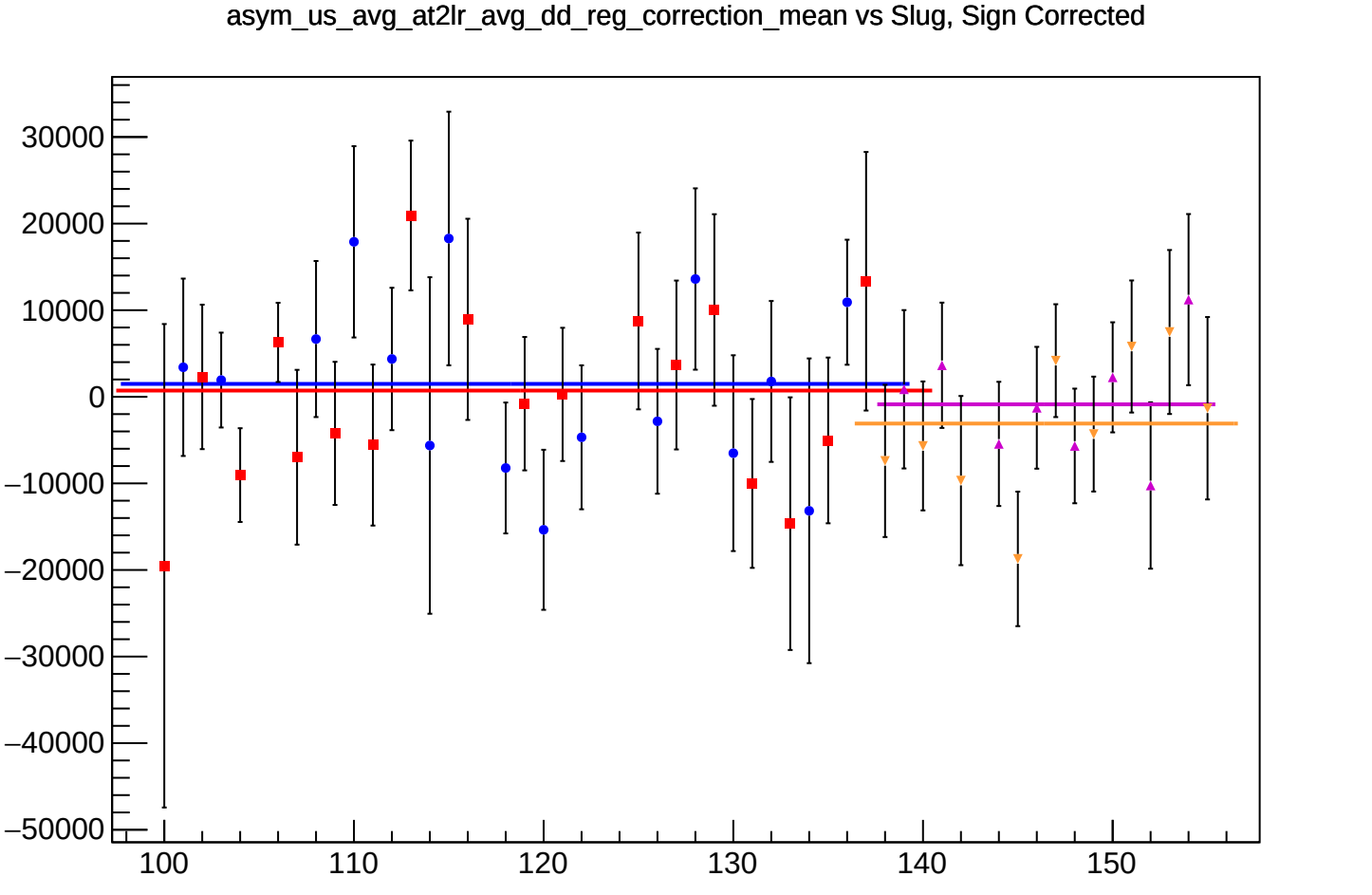
Left: 1686.388+/-0.319 χ^2/NDF: 126447.2/16

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1557.214+/-0.296 χ^2/NDF:775702.5/23

Out: 1538.048+/-0.293 χ^2/NDF:669530.1/26

All: 1547.525+/-0.208 χ^2/NDF: 1447353.9/50



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -3091.514+/-2656.963 χ^2/NDF:8.8/8

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -872.076+/-2678.746 χ^2/NDF:4.1/7

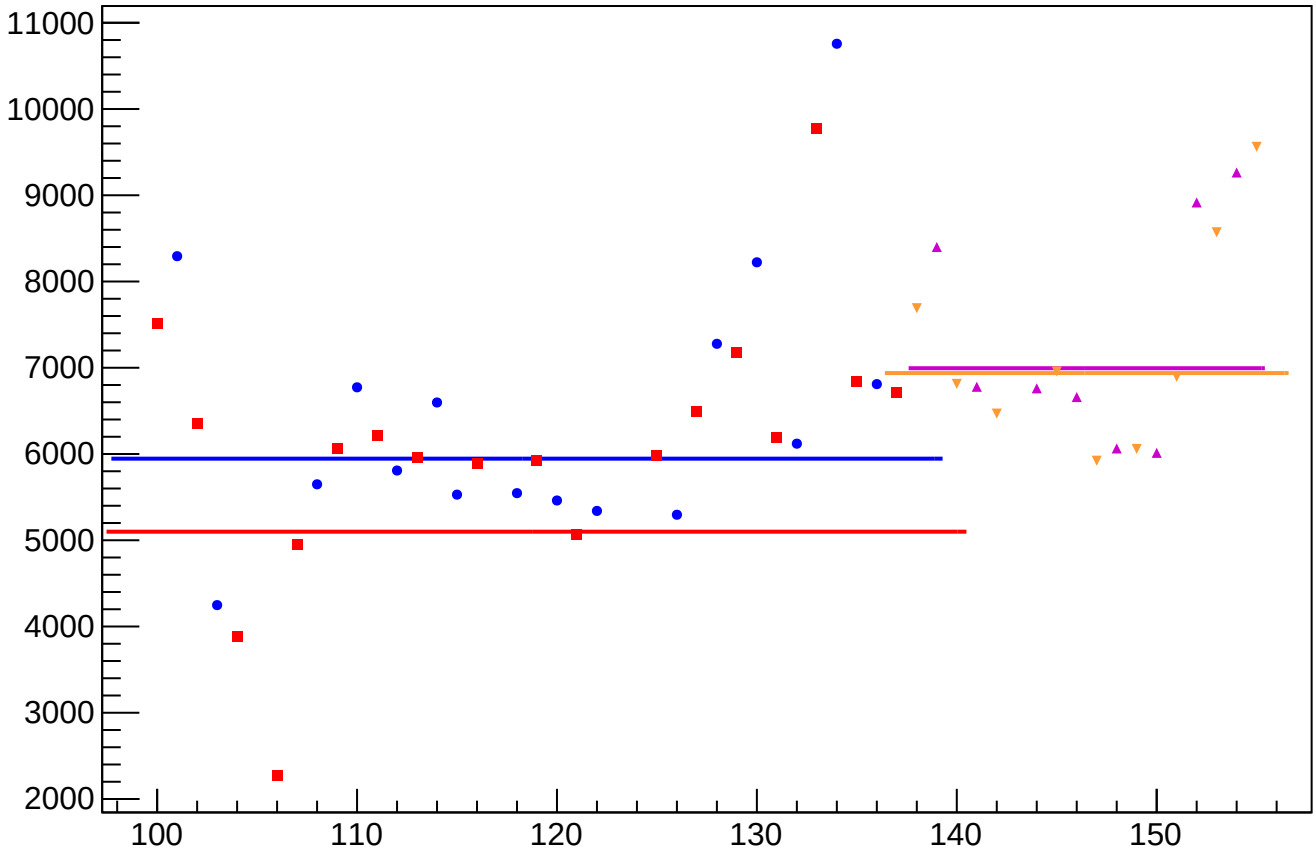
Left: -1990.856+/-1886.411 χ^2/NDF: 13.2/16

Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 502.244+/-1730.937 χ^2/NDF:18.7/23

Out: -668.607+/-1603.773 χ^2/NDF:27.6/26

All: -127.765+/-1176.428 χ^2/NDF: 46.5/50



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 6938.502+/-1.879 χ^2/NDF:287207.0/8

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 6994.665+/-1.894 χ^2/NDF:328331.7/7

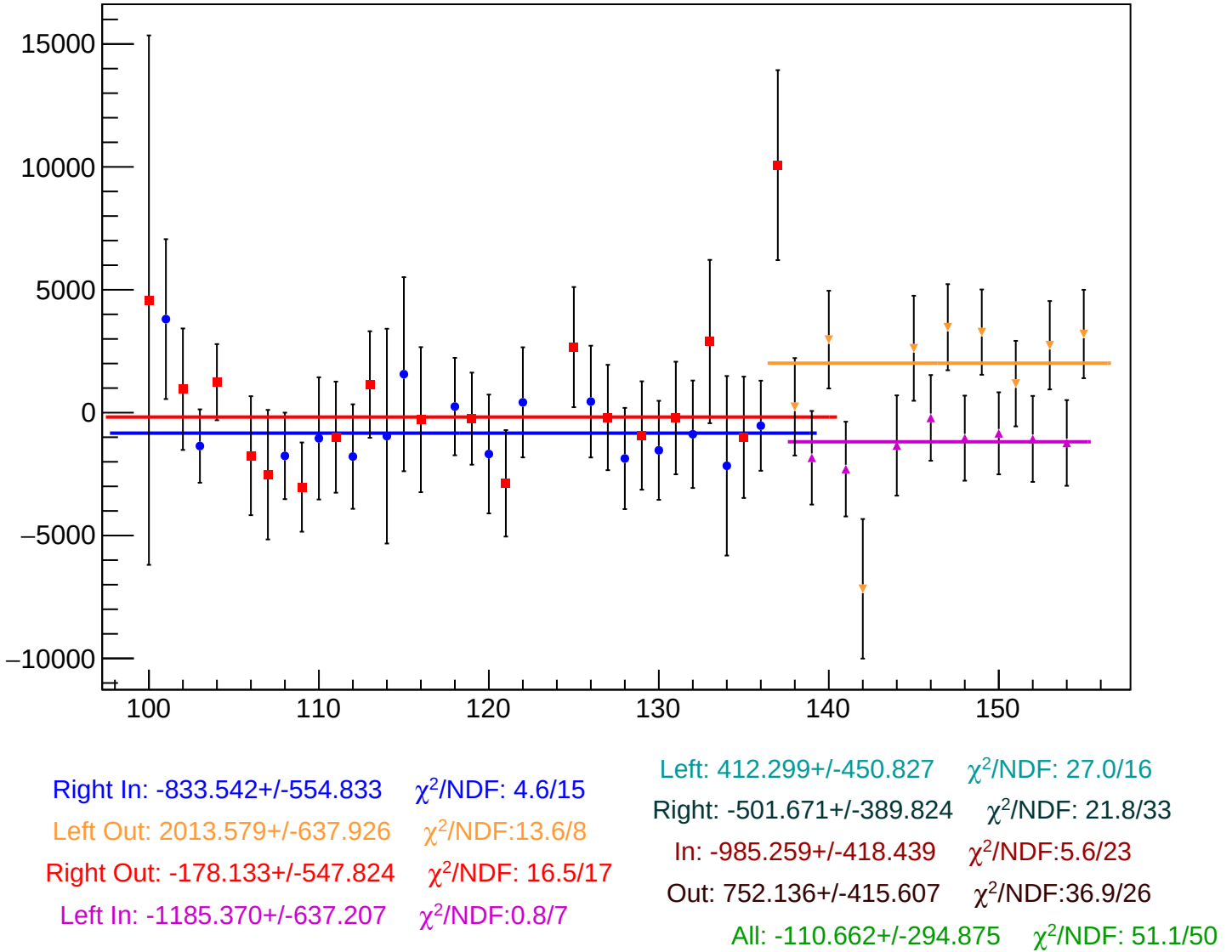
Left: 6966.354+/-1.334 χ^2/NDF: 615981.8/16

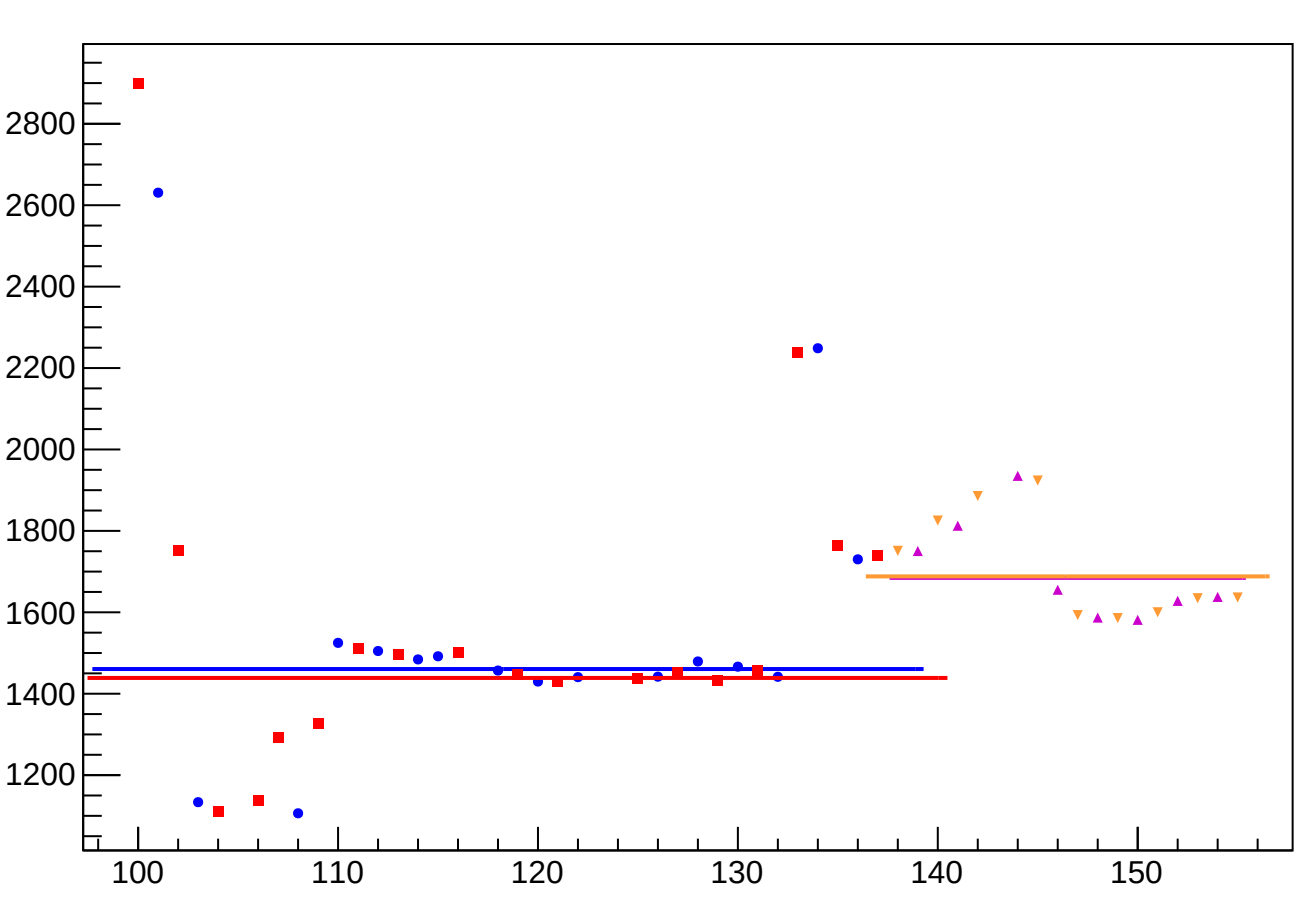
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6383.907+/-1.224 χ^2/NDF:1147963.6/23

Out: 5769.454+/-1.134 χ^2/NDF:2376694.2/26

All: 6053.283+/-0.832 χ^2/NDF: 3660267.2/50


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: 2013.579+/-637.926 χ²/NDF:13.6/8
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1185.370+/-637.207 χ²/NDF:0.8/7
Left: 412.299+/-450.827 χ²/NDF: 27.0/16
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -985.259+/-418.439 χ²/NDF:5.6/23
Out: 752.136+/-415.607 χ²/NDF:36.9/26
All: -110.662+/-294.875 χ²/NDF: 51.1/50



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1688.206+/-0.451 χ^2/NDF:66923.9/8

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1684.575+/-0.451 χ^2/NDF:59490.9/7

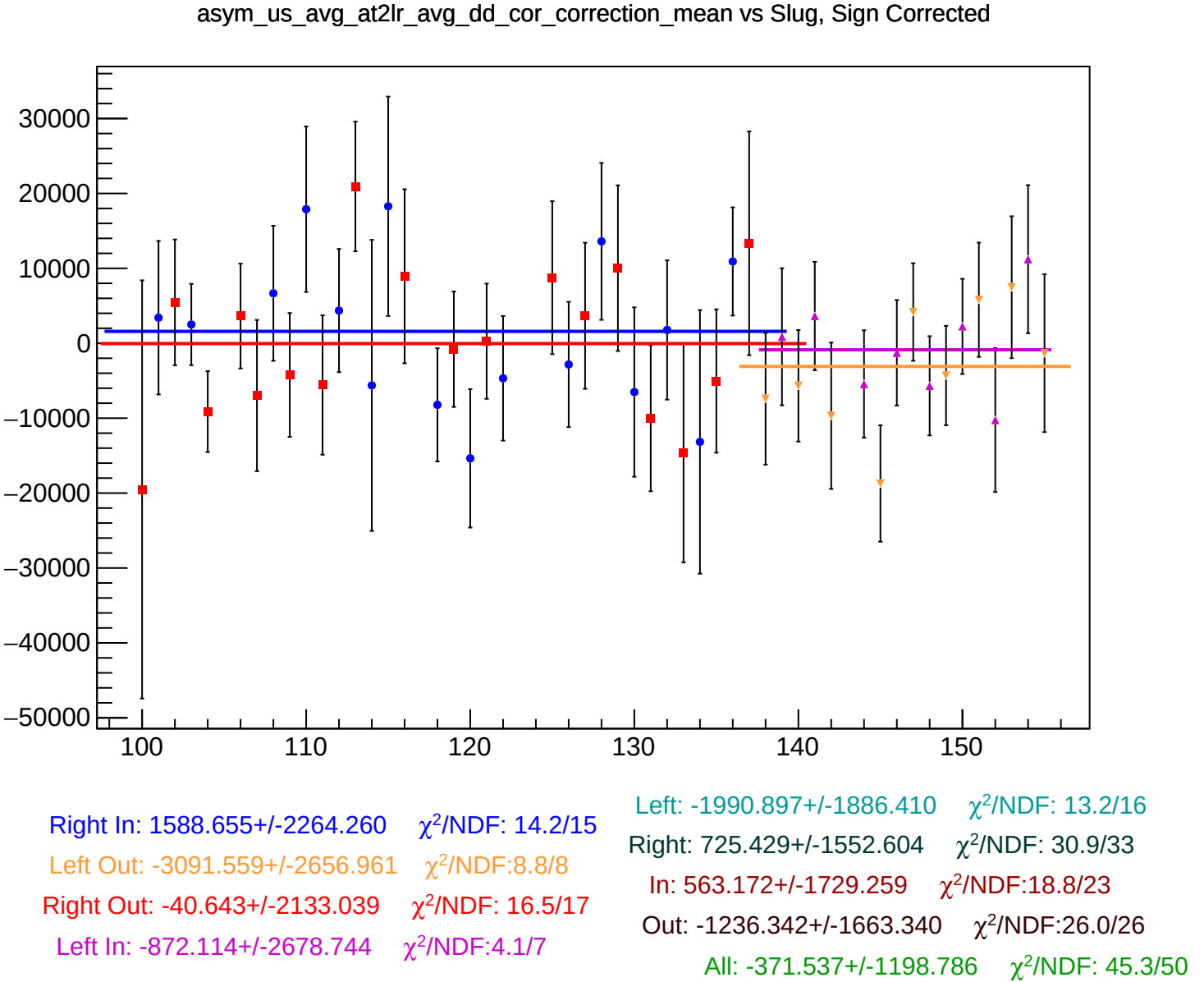
Left: 1686.388+/-0.319 χ^2/NDF: 126447.2/16

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

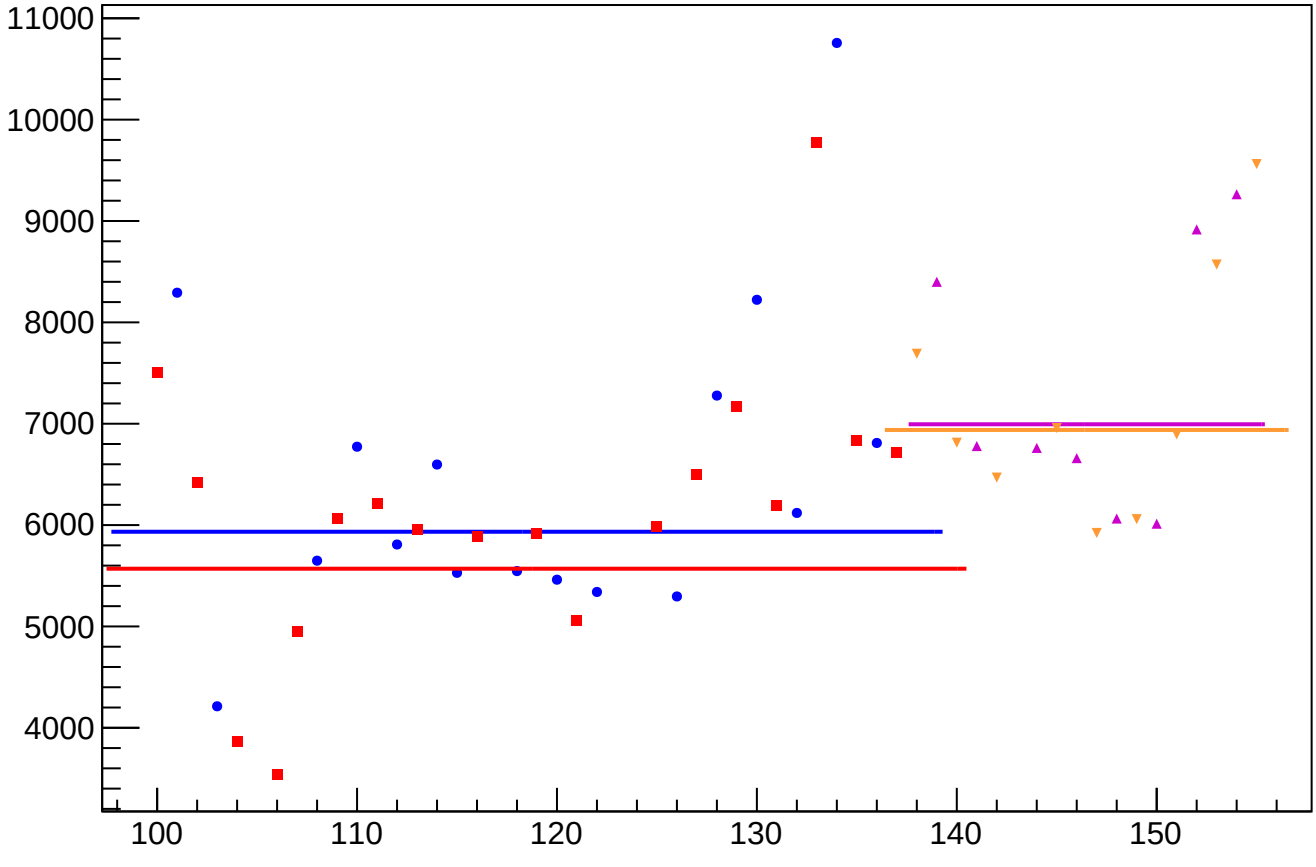
In: 1557.214+/-0.296 χ^2/NDF:775702.9/23

Out: 1544.360+/-0.293 χ^2/NDF:616641.6/26

All: 1550.735+/-0.208 χ^2/NDF: 1393295.8/50


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -3091.559+/-2656.961 χ²/NDF:8.8/8
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -872.114+/-2678.744 χ²/NDF:4.1/7
Left: -1990.897+/-1886.410 χ²/NDF: 13.2/16
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 563.172+/-1729.259 χ²/NDF:18.8/23
Out: -1236.342+/-1663.340 χ²/NDF:26.0/26
All: -371.537+/-1198.786 χ²/NDF: 45.3/50

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: 6938.497+/-1.879 χ^2/NDF:287208.0/8

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6994.658+/-1.894 χ^2/NDF:328331.7/7

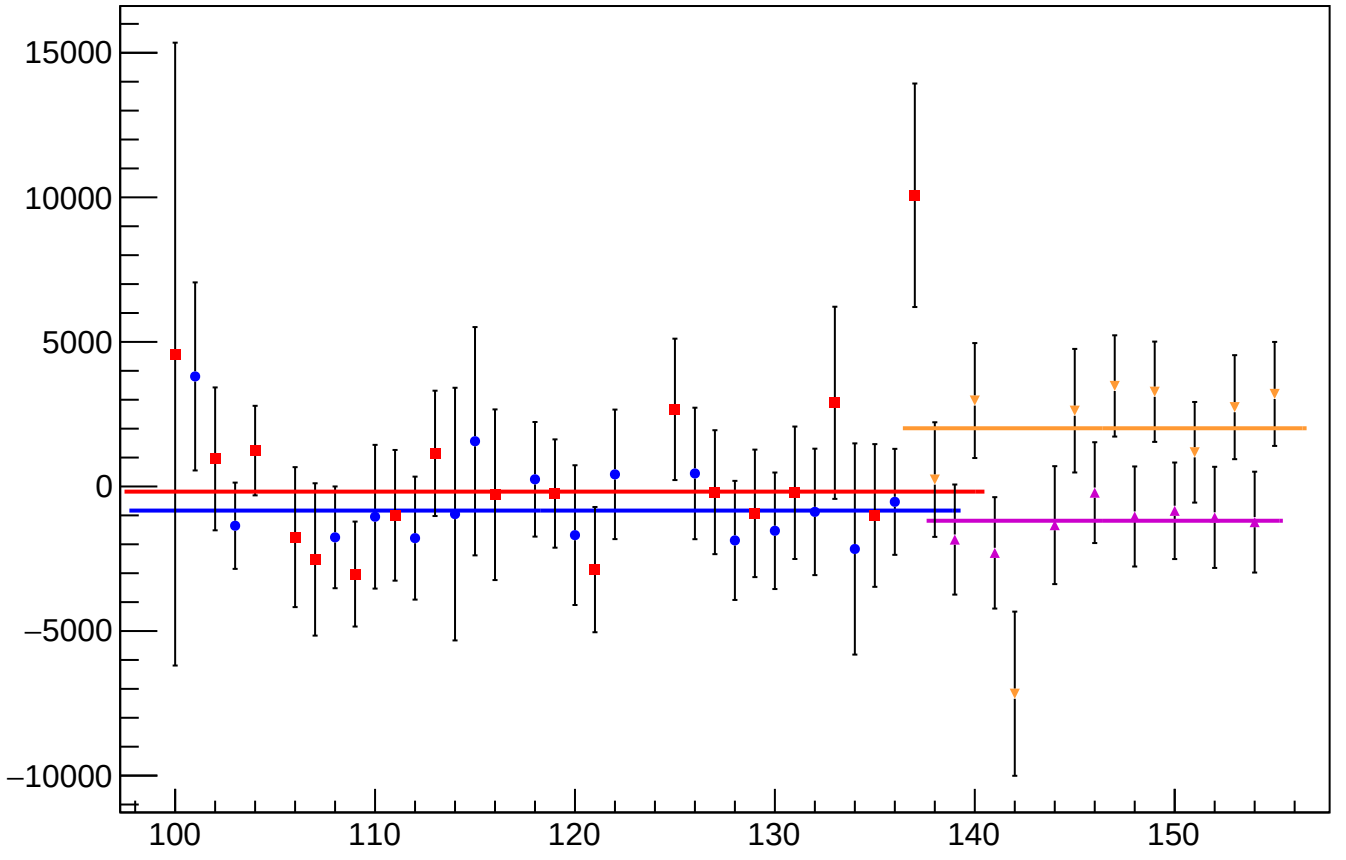
Left: 6966.349+/-1.334 χ^2/NDF: 615982.9/16

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6376.133+/-1.223 χ^2/NDF:1164230.9/23

Out: 6106.095+/-1.176 χ^2/NDF:1334077.9/26

All: 6235.869+/-0.848 χ^2/NDF: 2523641.6/50



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 2013.579+/-637.926 χ^2/NDF:13.6/8

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -1185.370+/-637.207 χ^2/NDF:0.8/7

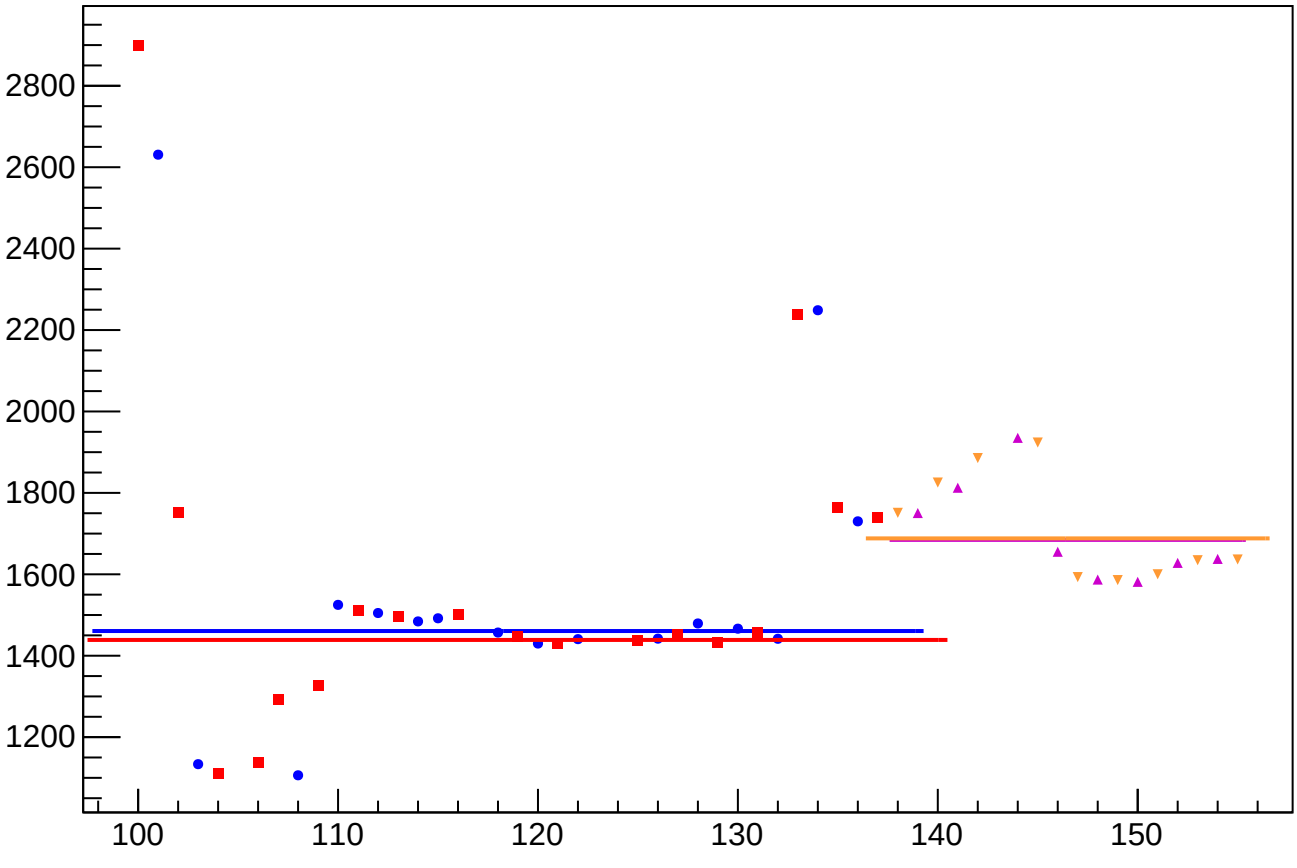
Left: 412.299+/-450.827 χ^2/NDF: 27.0/16

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -985.259+/-418.439 χ^2/NDF:5.6/23

Out: 752.136+/-415.607 χ^2/NDF:36.9/26

All: -110.662+/-294.875 χ^2/NDF: 51.1/50



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1688.206+/-0.451 χ^2/NDF:66923.9/8

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1684.575+/-0.451 χ^2/NDF:59490.9/7

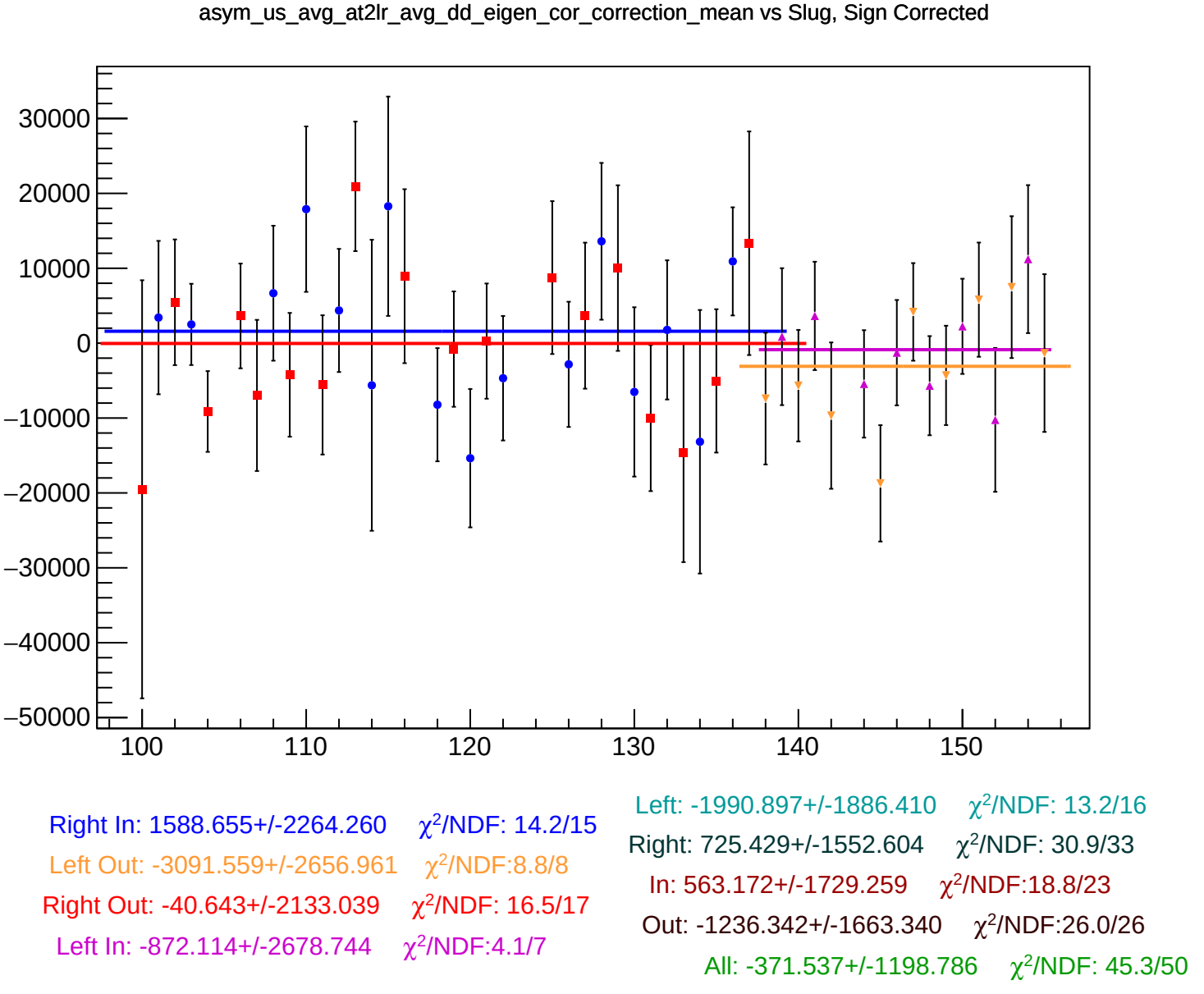
Left: 1686.388+/-0.319 χ^2/NDF: 126447.2/16

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1557.214+/-0.296 χ^2/NDF:775702.9/23

Out: 1544.360+/-0.293 χ^2/NDF:616641.6/26

All: 1550.735+/-0.208 χ^2/NDF: 1393295.8/50


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
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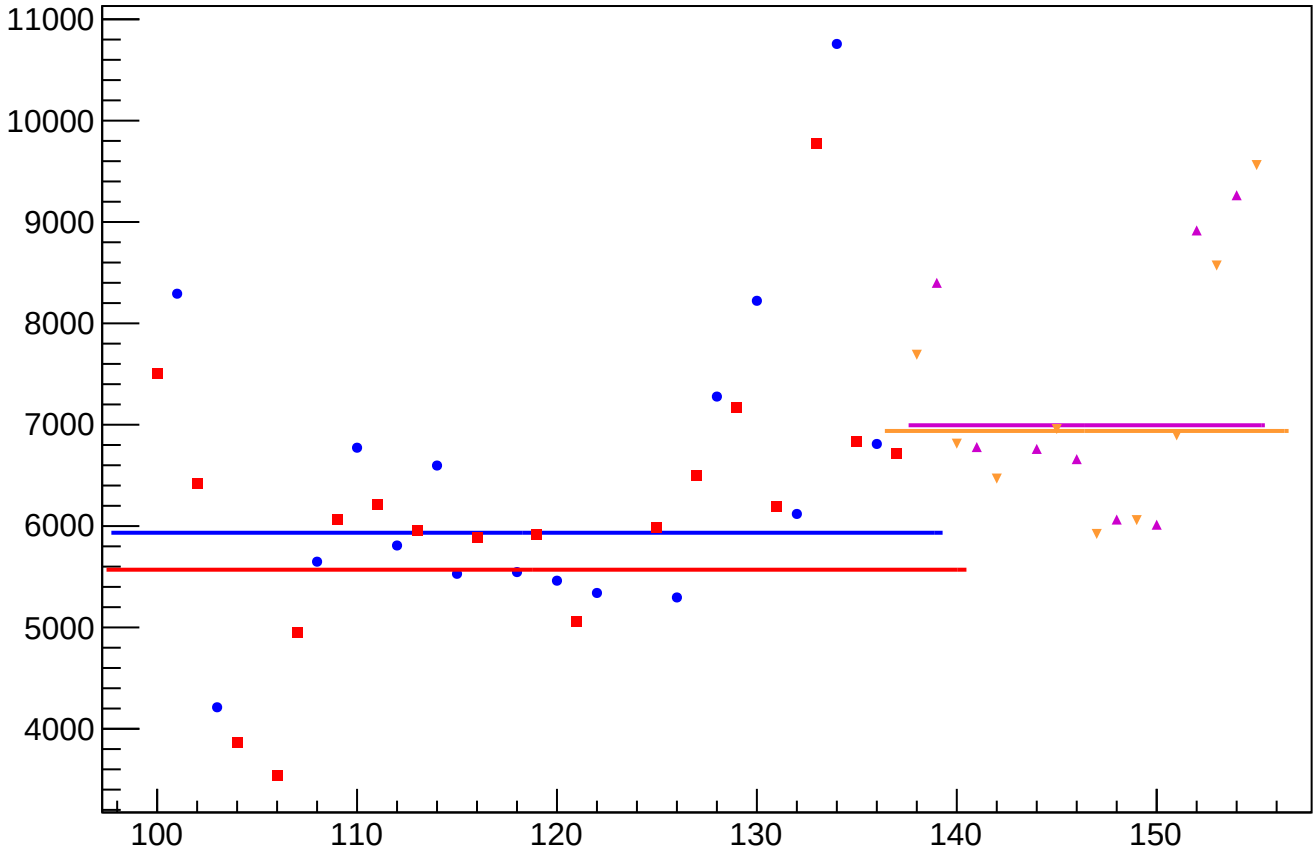
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -3091.559+/-2656.961 χ²/NDF:8.8/8
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -872.114+/-2678.744 χ²/NDF:4.1/7
Left: -1990.897+/-1886.410 χ²/NDF: 13.2/16
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 563.172+/-1729.259 χ²/NDF:18.8/23
Out: -1236.342+/-1663.340 χ²/NDF:26.0/26
All: -371.537+/-1198.786 χ²/NDF: 45.3/50

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: 6938.497+/-1.879 χ^2/NDF:287208.0/8

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6994.658+/-1.894 χ^2/NDF:328331.7/7

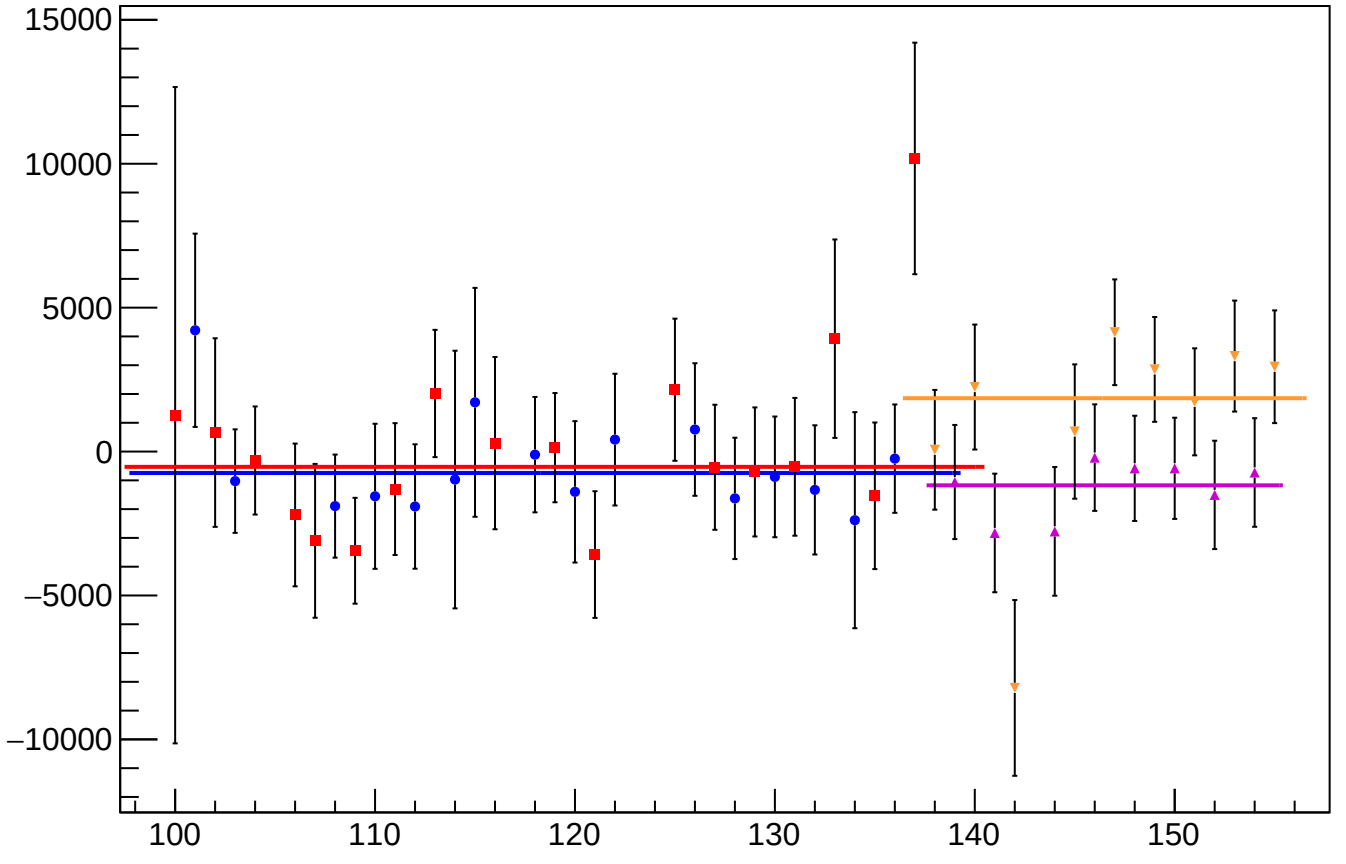
Left: 6966.349+/-1.334 χ^2/NDF: 615982.9/16

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6376.133+/-1.223 χ^2/NDF:1164230.9/23

Out: 6106.095+/-1.176 χ^2/NDF:1334077.9/26

All: 6235.869+/-0.848 χ^2/NDF: 2523641.6/50



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1853.385+/-681.840 χ^2/NDF:14.6/8

Right Out: -531.292+/-575.115 χ^2/NDF: 17.7/17

Left In: -1172.943+/-679.113 χ^2/NDF:1.7/7

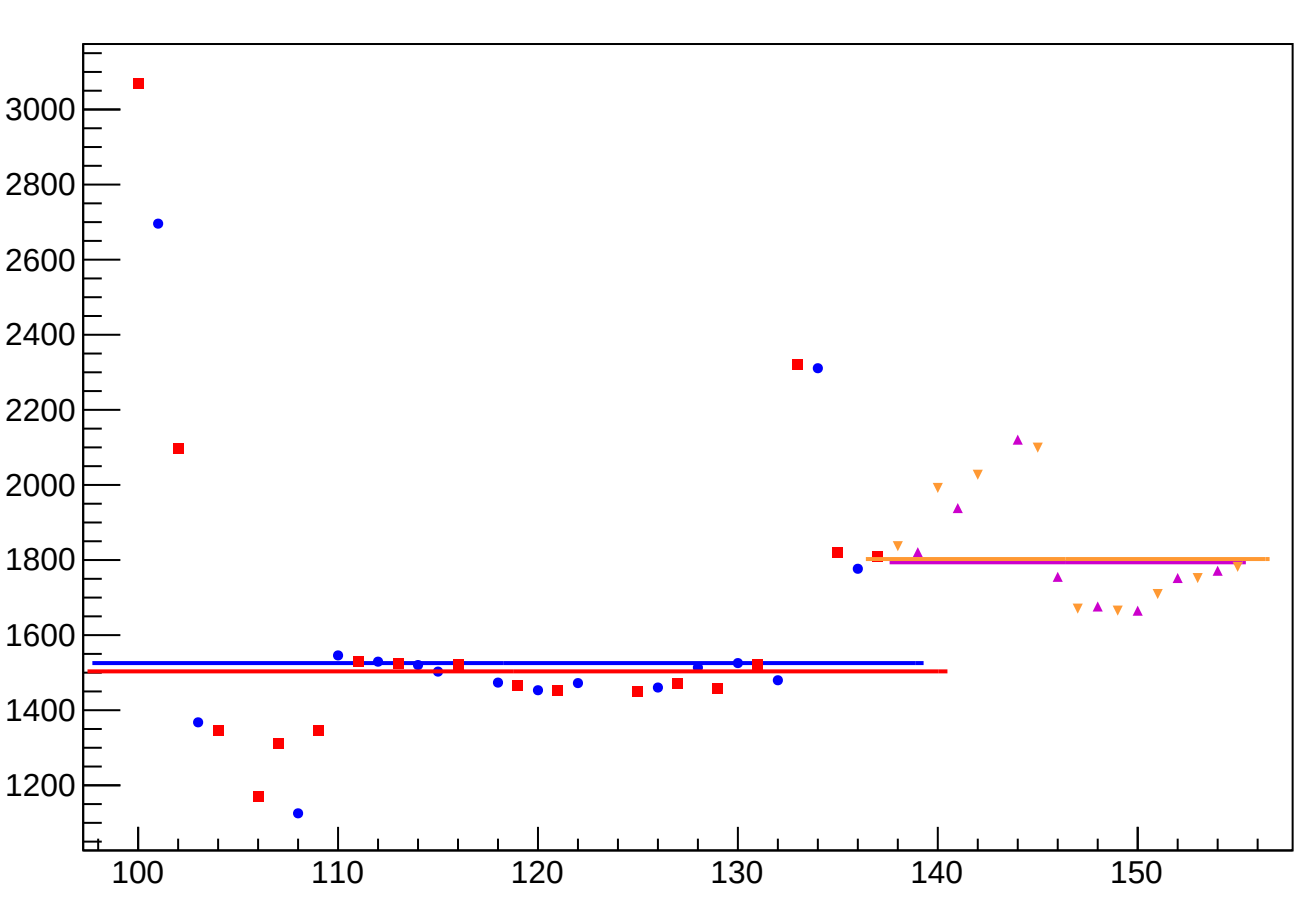
Left: 334.156+/-481.167 χ^2/NDF: 26.3/16

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -925.327+/-440.191 χ^2/NDF:6.7/23

Out: 460.017+/-439.615 χ^2/NDF:39.5/26

All: -231.748+/-311.058 χ^2/NDF: 51.2/50



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1802.628+/-0.482 χ^2/NDF:87241.8/8

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1793.939+/-0.480 χ^2/NDF:74100.2/7

Left: 1798.266+/-0.340 χ^2/NDF: 161505.1/16

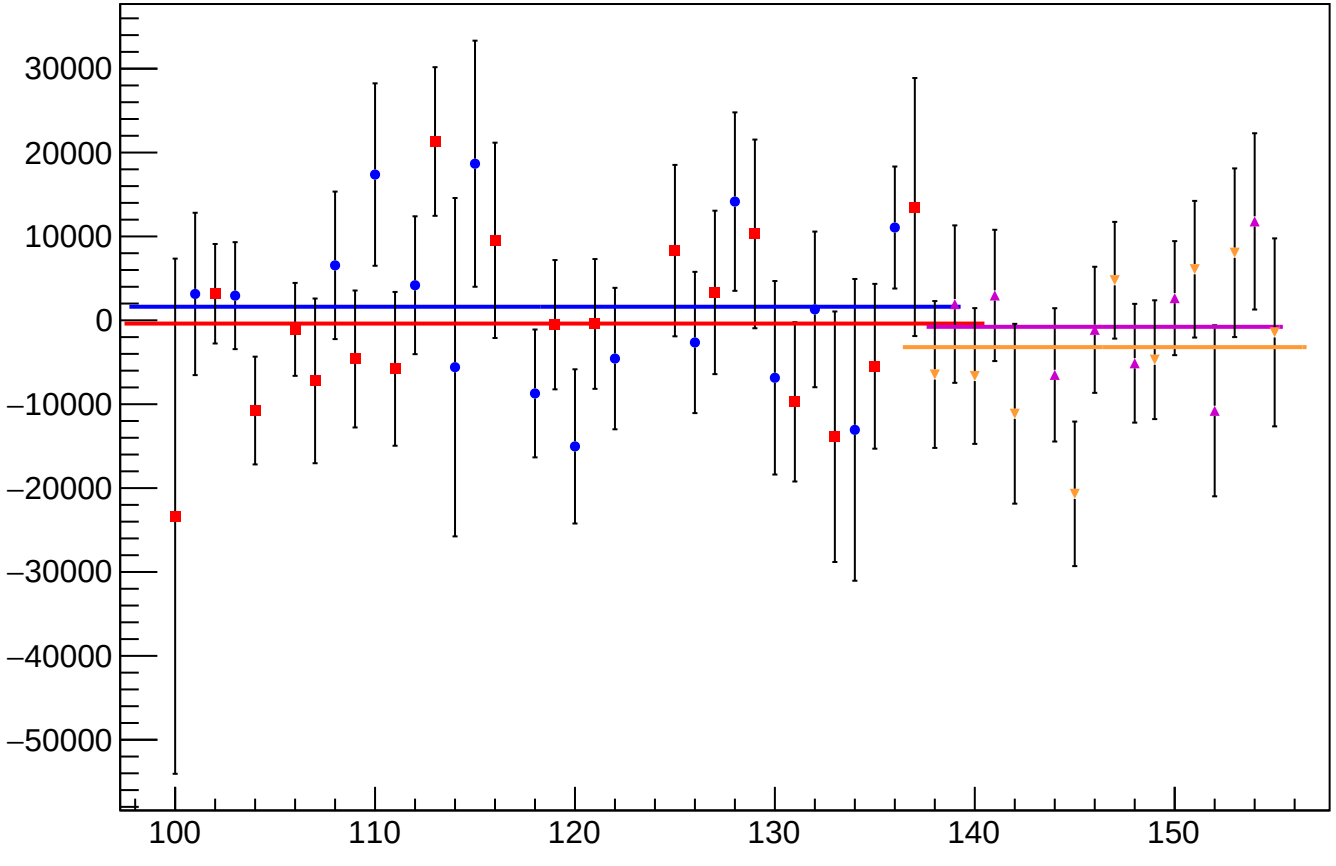
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1638.304+/-0.311 χ^2/NDF:743579.5/23

Out: 1627.767+/-0.311 χ^2/NDF:650815.3/26

All: 1633.027+/-0.220 χ^2/NDF: 1394968.6/50

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: -3193.336+/-2839.597 χ^2/NDF:8.9/8

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -775.630+/-2869.027 χ^2/NDF:3.9/7

Left: -1996.947+/-2018.223 χ^2/NDF: 13.1/16

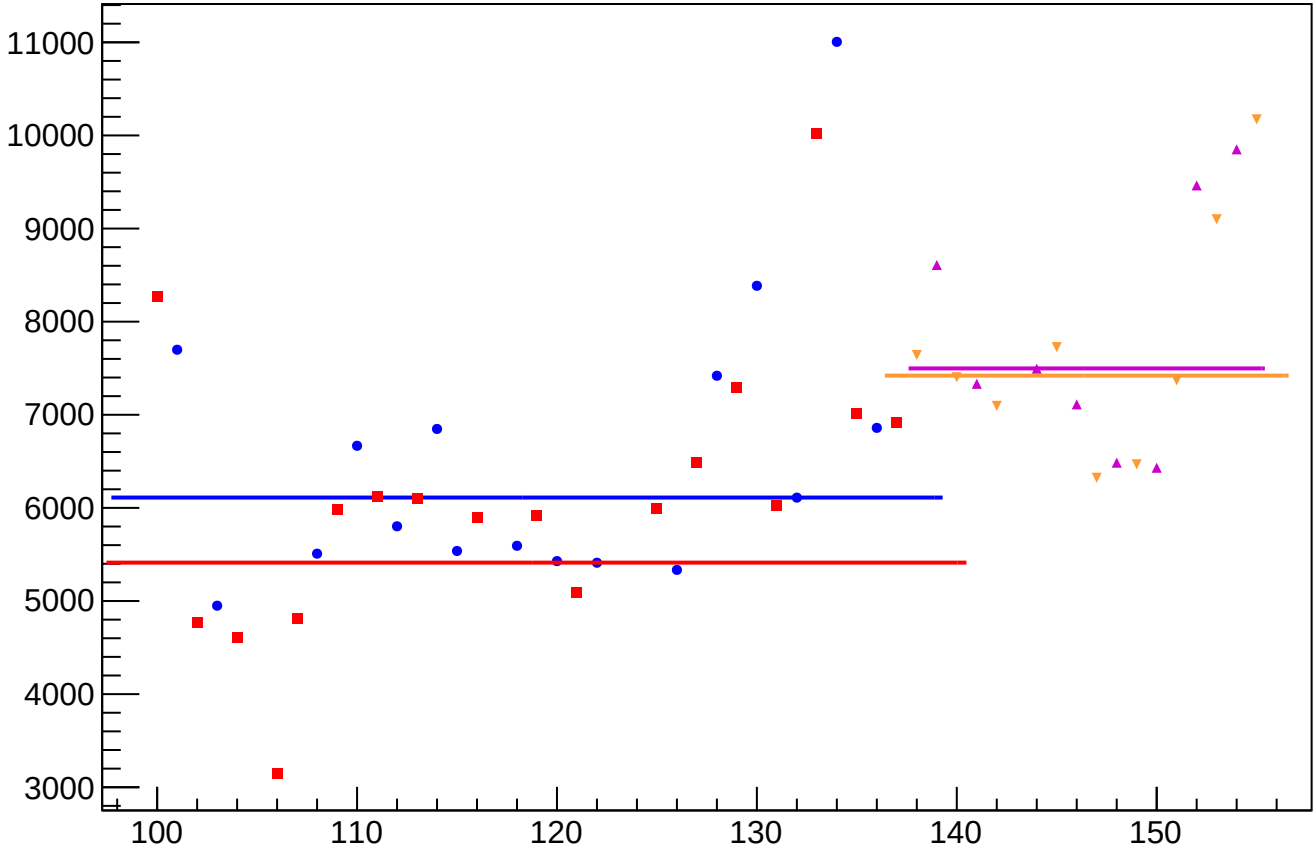
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 672.869+/-1804.006 χ^2/NDF:18.5/23

Out: -1354.506+/-1667.897 χ^2/NDF:25.6/26

All: -420.176+/-1224.676 χ^2/NDF: 44.8/50

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: 7420.651+/-2.008 χ^2/NDF:268046.3/8

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7497.781+/-2.029 χ^2/NDF:298904.9/7

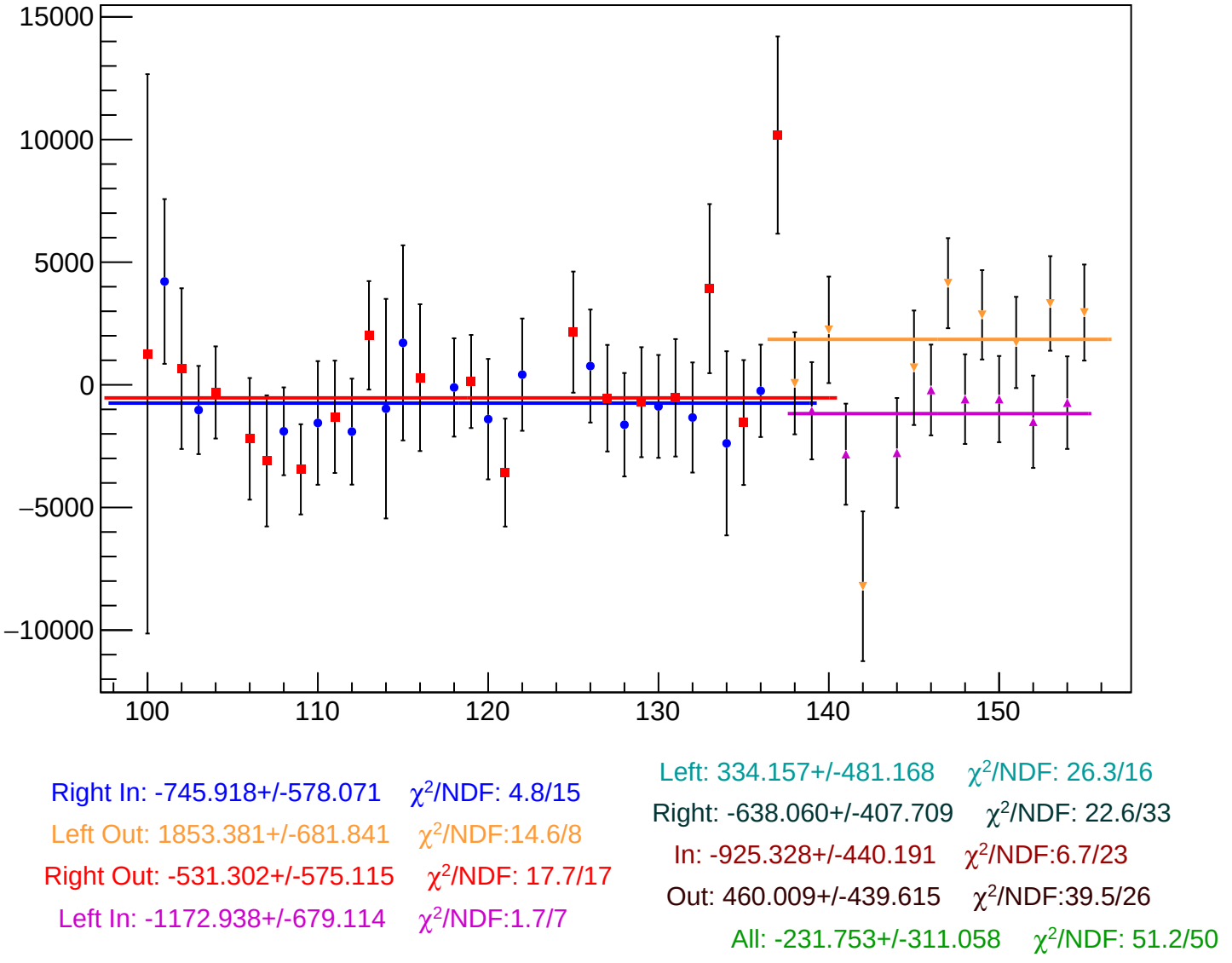
Left: 7458.818+/-1.427 χ^2/NDF: 567681.4/16

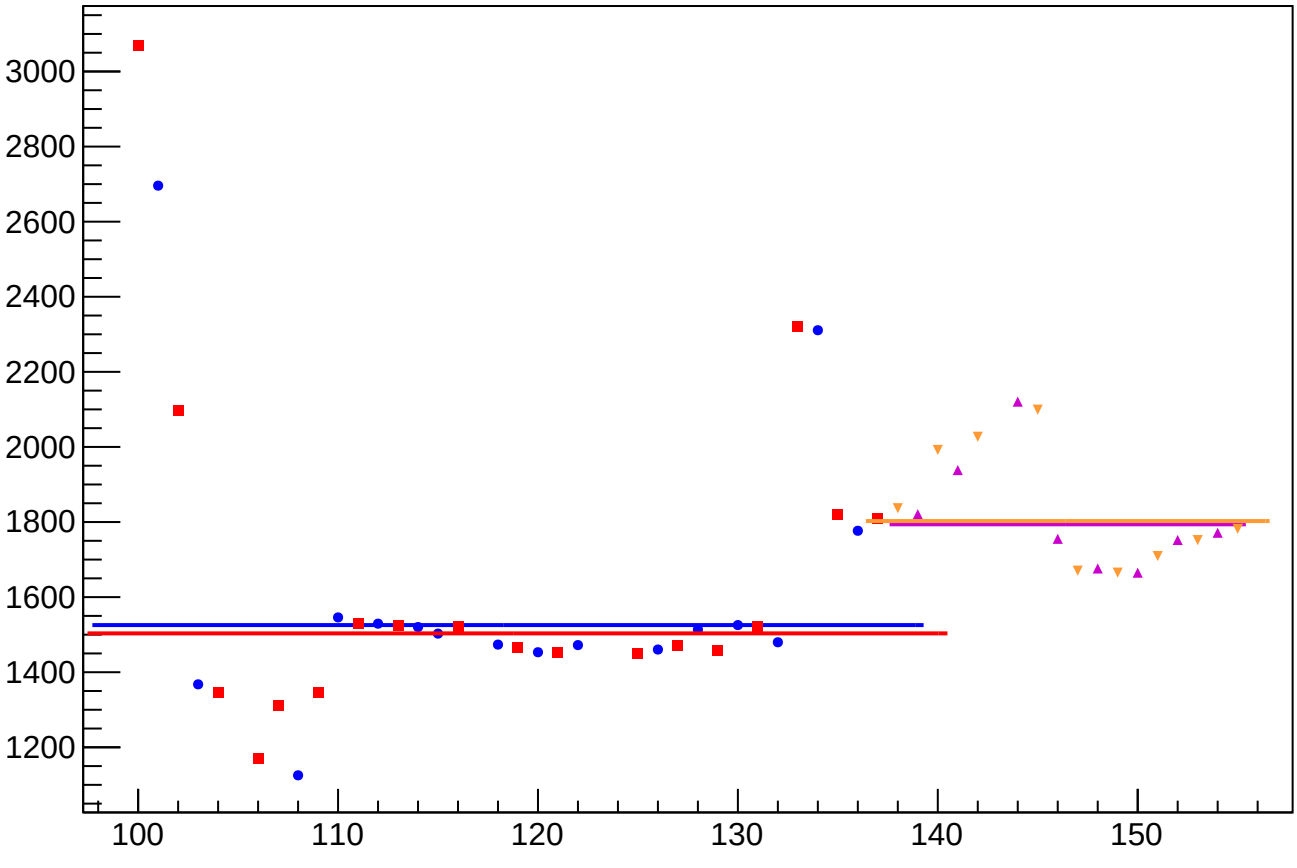
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6659.318+/-1.276 χ^2/NDF:1053081.4/23

Out: 6105.175+/-1.179 χ^2/NDF:1744883.0/26

All: 6360.555+/-0.866 χ^2/NDF: 2899706.7/50


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: 1853.381+/-681.841 χ²/NDF:14.6/8
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1172.938+/-679.114 χ²/NDF:1.7/7
Left: 334.157+/-481.168 χ²/NDF: 26.3/16
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -925.328+/-440.191 χ²/NDF:6.7/23
Out: 460.009+/-439.615 χ²/NDF:39.5/26
All: -231.753+/-311.058 χ²/NDF: 51.2/50



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1802.630+/-0.482 χ^2/NDF:87242.8/8

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1793.941+/-0.480 χ^2/NDF:74100.4/7

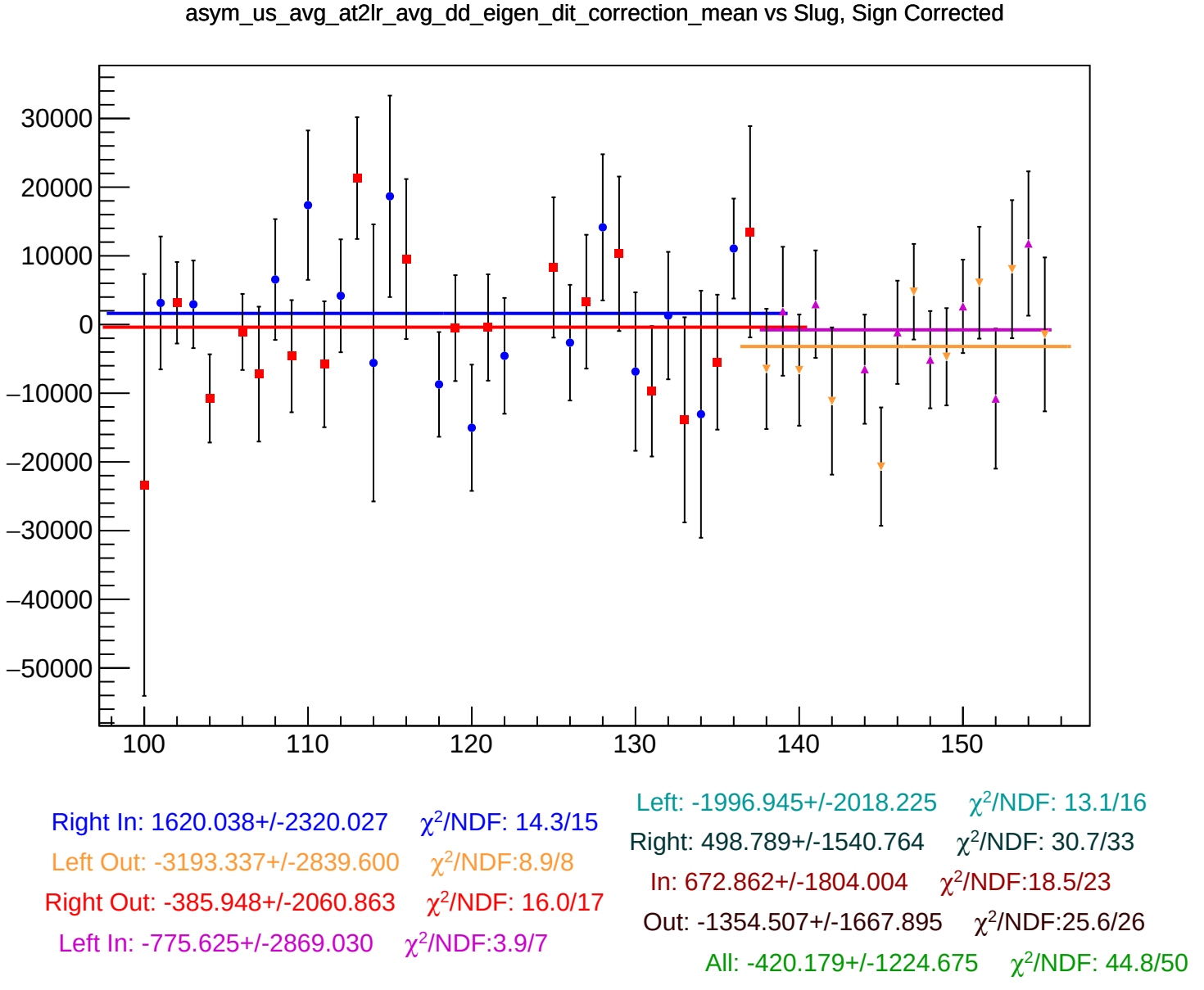
Left: 1798.268+/-0.340 χ^2/NDF: 161506.2/16

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

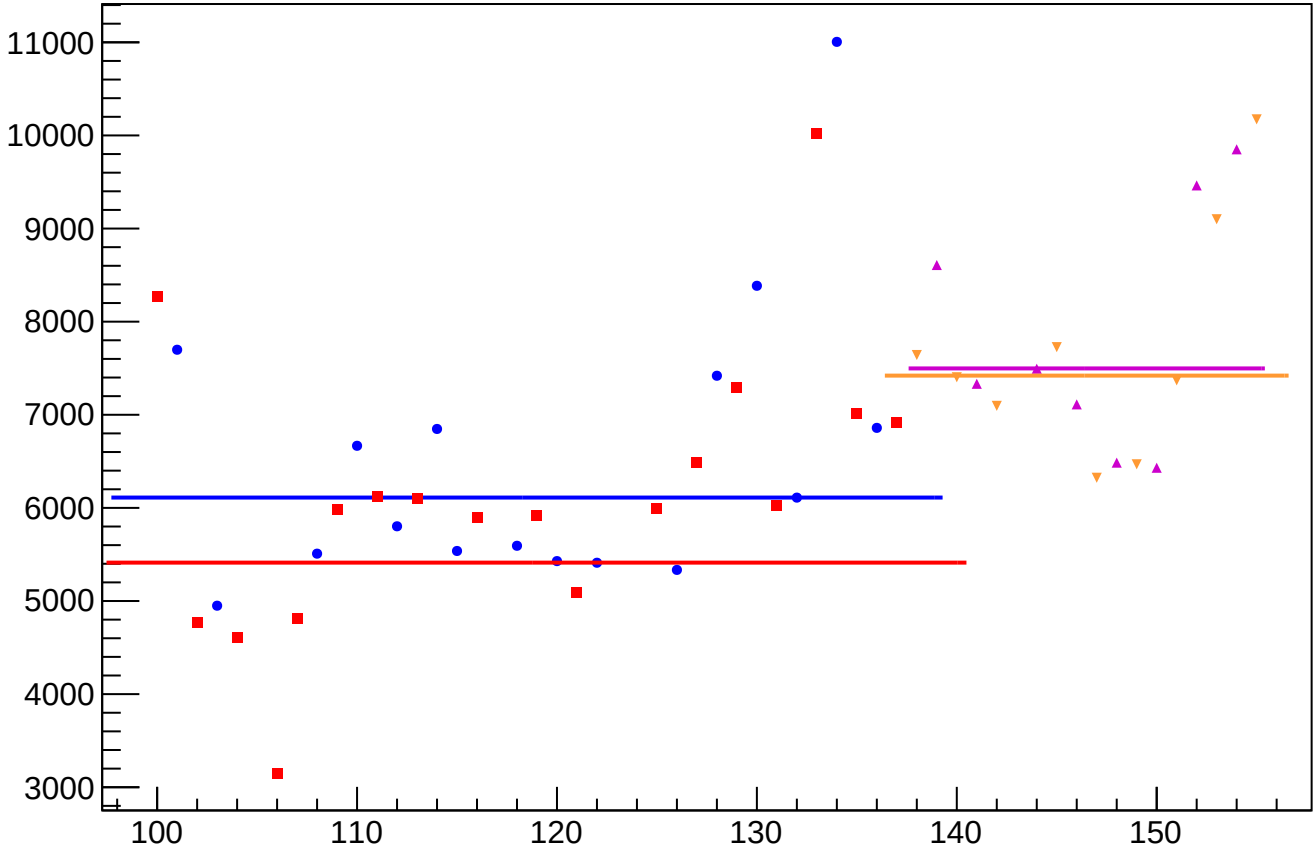
In: 1638.304+/-0.311 χ^2/NDF:743582.0/23

Out: 1627.767+/-0.311 χ^2/NDF:650818.9/26

All: 1633.028+/-0.220 χ^2/NDF: 1394974.8/50


asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: -3193.337+/-2839.600 χ²/NDF:8.9/8
Right Out: -385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: -775.625+/-2869.030 χ²/NDF:3.9/7
Left: -1996.945+/-2018.225 χ²/NDF: 13.1/16
Right: 498.789+/-1540.764 χ²/NDF: 30.7/33
In: 672.862+/-1804.004 χ²/NDF:18.5/23
Out: -1354.507+/-1667.895 χ²/NDF:25.6/26
All: -420.179+/-1224.675 χ²/NDF: 44.8/50

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: 7420.659+/-2.008 χ^2/NDF:268046.9/8

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7497.790+/-2.029 χ^2/NDF:298905.4/7

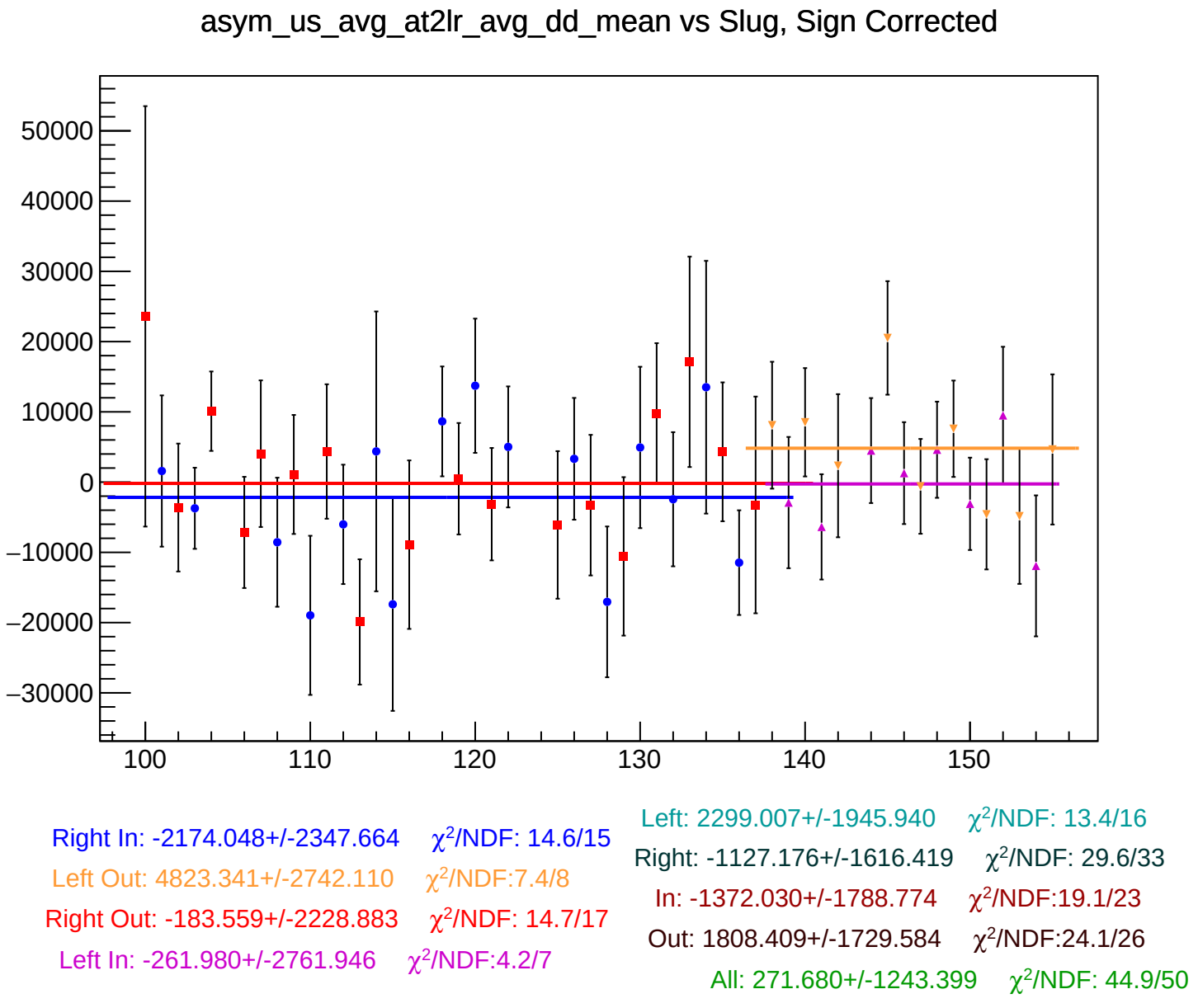
Left: 7458.827+/-1.427 χ^2/NDF: 567682.5/16

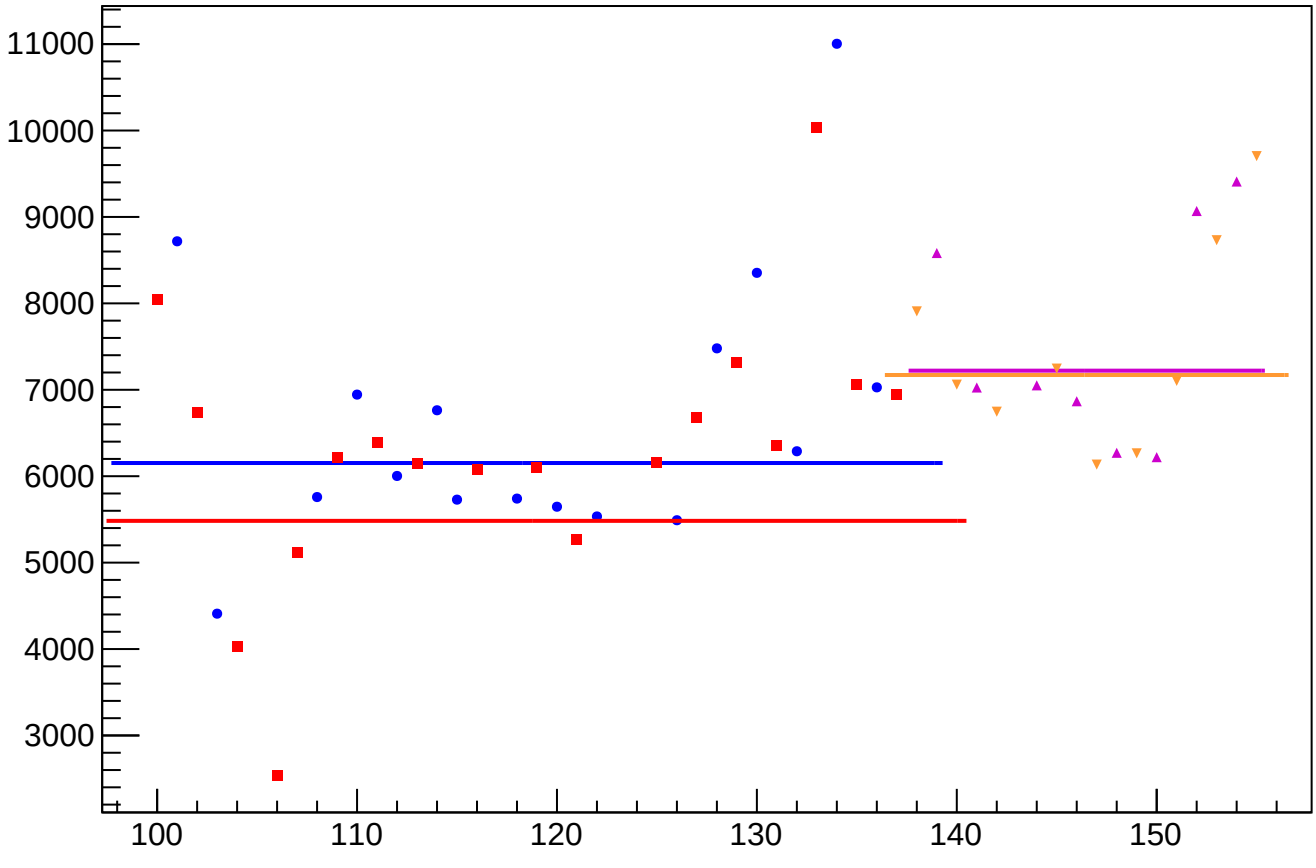
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6659.311+/-1.276 χ^2/NDF:1053093.3/23

Out: 6105.167+/-1.179 χ^2/NDF:1744896.7/26

All: 6360.548+/-0.866 χ^2/NDF: 2899732.6/50


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 4823.341+/-2742.110 χ²/NDF:7.4/8
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: -261.980+/-2761.946 χ²/NDF:4.2/7
Left: 2299.007+/-1945.940 χ²/NDF: 13.4/16
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -1372.030+/-1788.774 χ²/NDF:19.1/23
Out: 1808.409+/-1729.584 χ²/NDF:24.1/26
All: 271.680+/-1243.399 χ²/NDF: 44.9/50



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7171.028+/-1.939 χ^2/NDF:264268.3/8

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7221.370+/-1.953 χ^2/NDF:301188.1/7

Left: 7196.018+/-1.376 χ^2/NDF: 565791.1/16

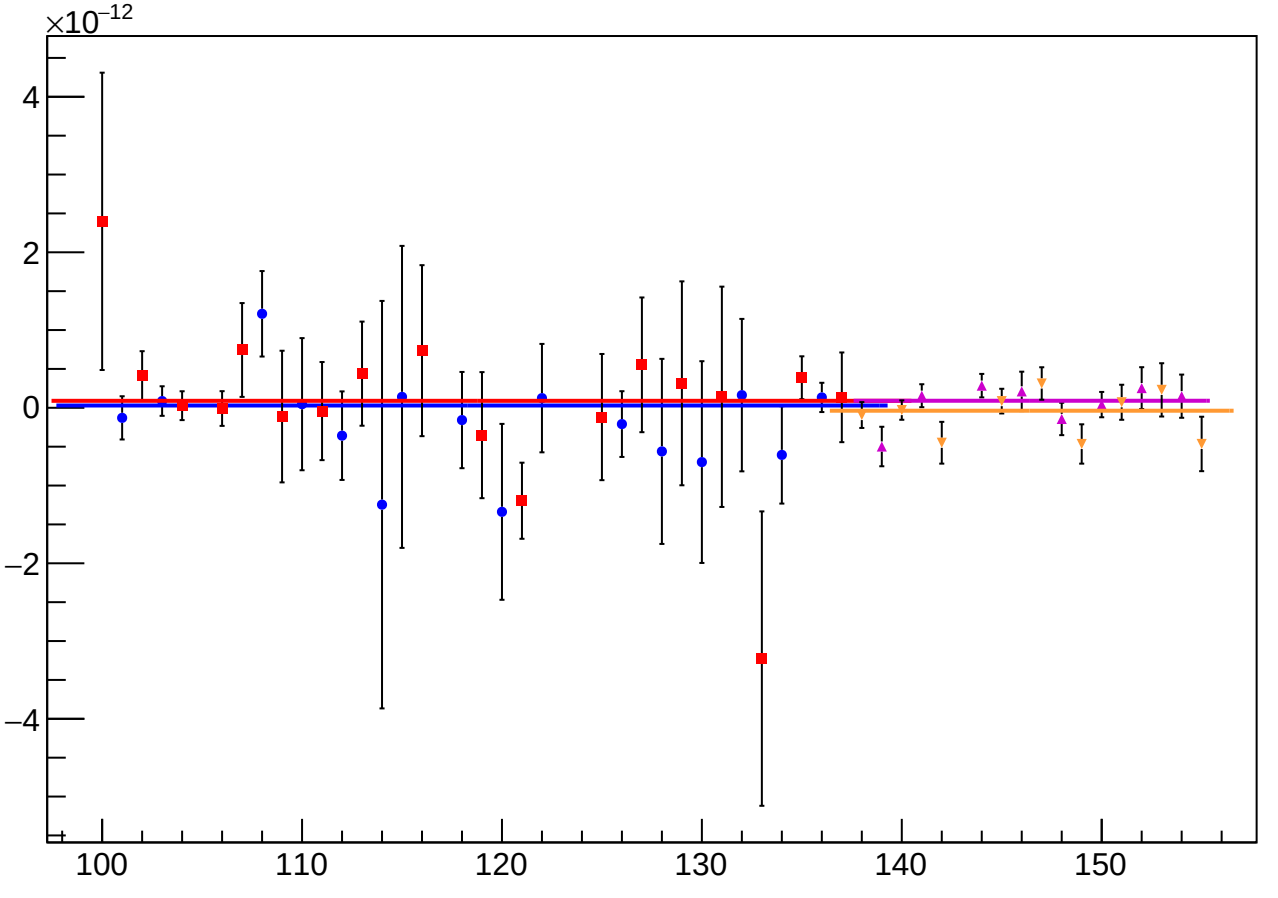
Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 6600.945+/-1.265 χ^2/NDF:1099049.7/23

Out: 6125.435+/-1.196 χ^2/NDF:1882351.5/26

All: 6349.893+/-0.869 χ^2/NDF: 3056019.9/50

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:9.2/7

Left: 0.000+/-0.000 χ^2/NDF: 22.1/16

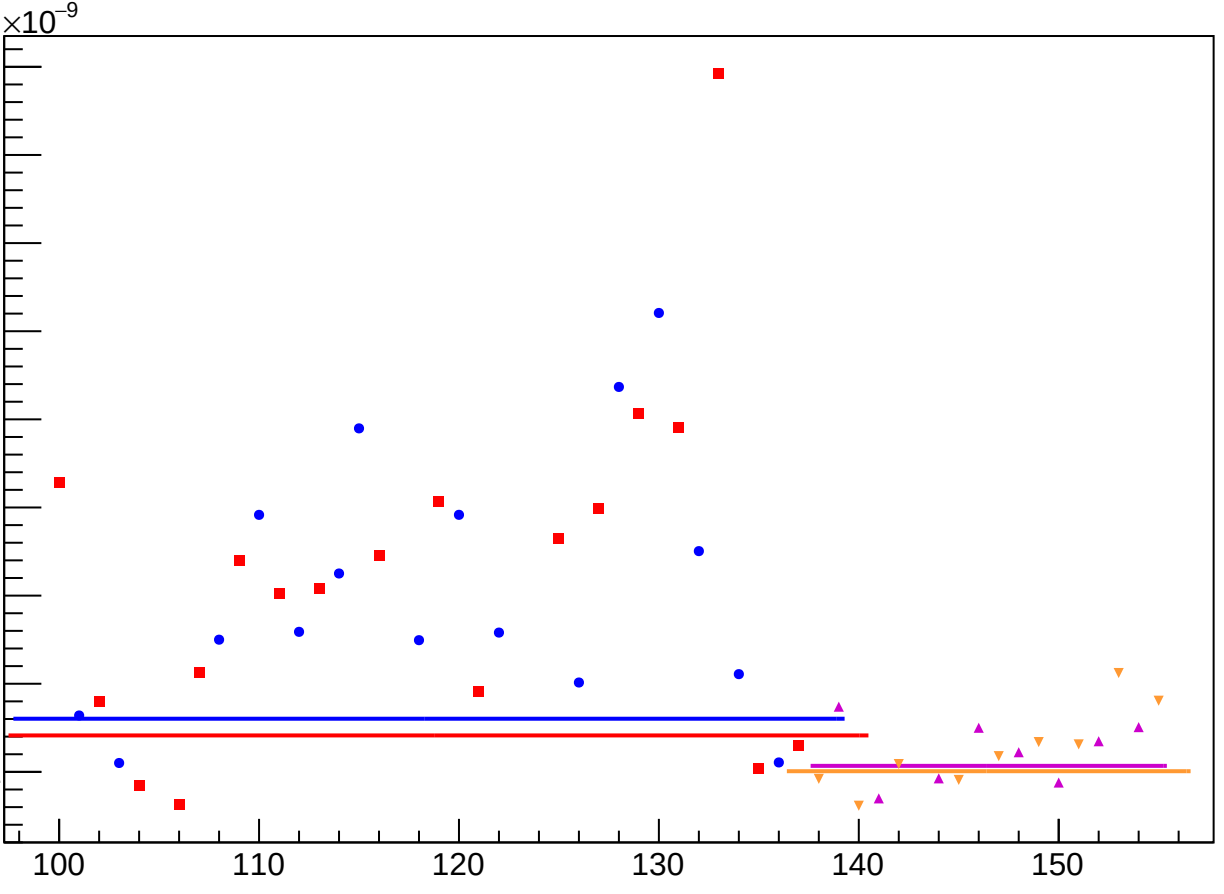
Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:19.0/23

Out: -0.000+/-0.000 χ^2/NDF:28.6/26

All: 0.000+/-0.000 χ^2/NDF: 48.4/50

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:611740.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:450272.5/7

Left: 0.000+/-0.000 χ^2/NDF: 1070077.6/16

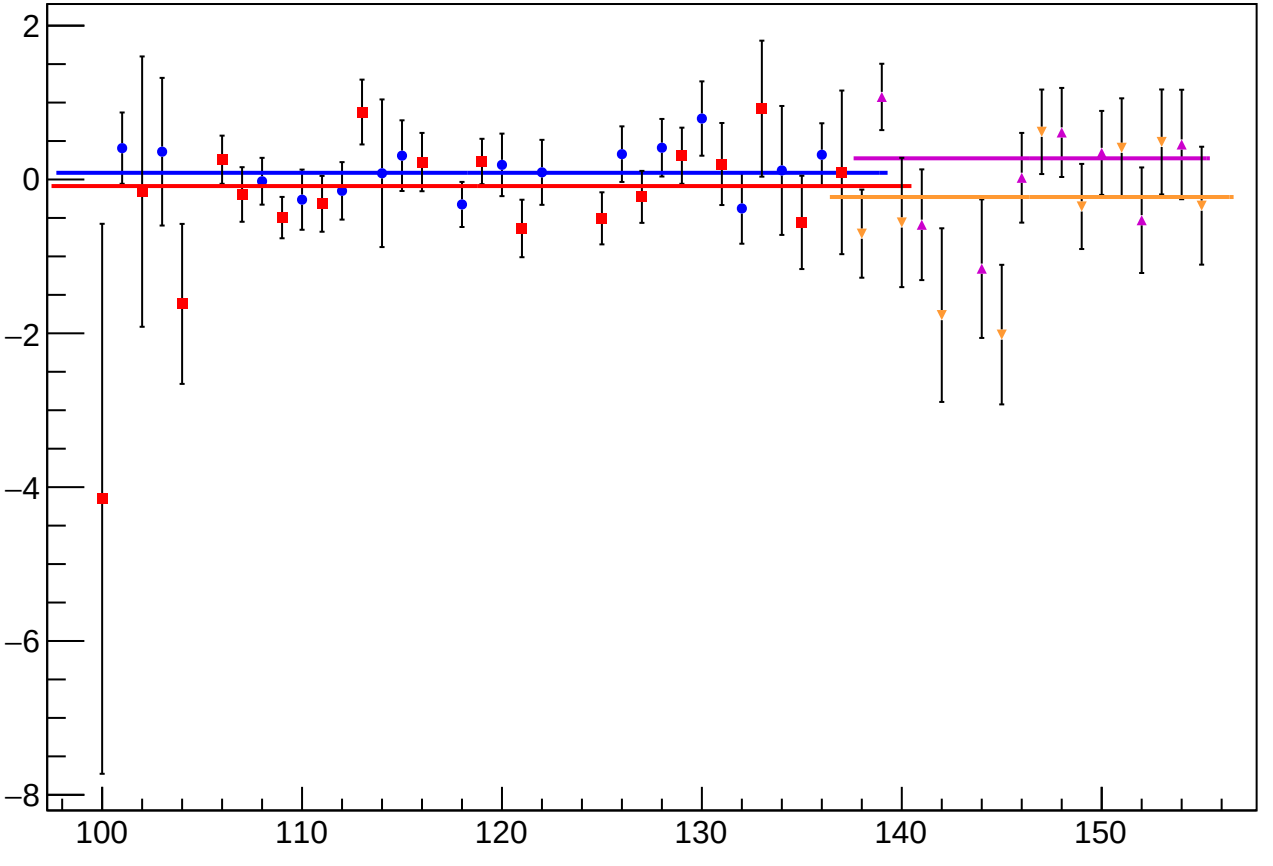
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2147478.1/23

Out: 0.000+/-0.000 χ^2/NDF:2999084.2/26

All: 0.000+/-0.000 χ^2/NDF: 5182109.3/50

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: -0.228+/-0.228 χ^2/NDF:11.1/8

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.275+/-0.214 χ^2/NDF:9.4/7

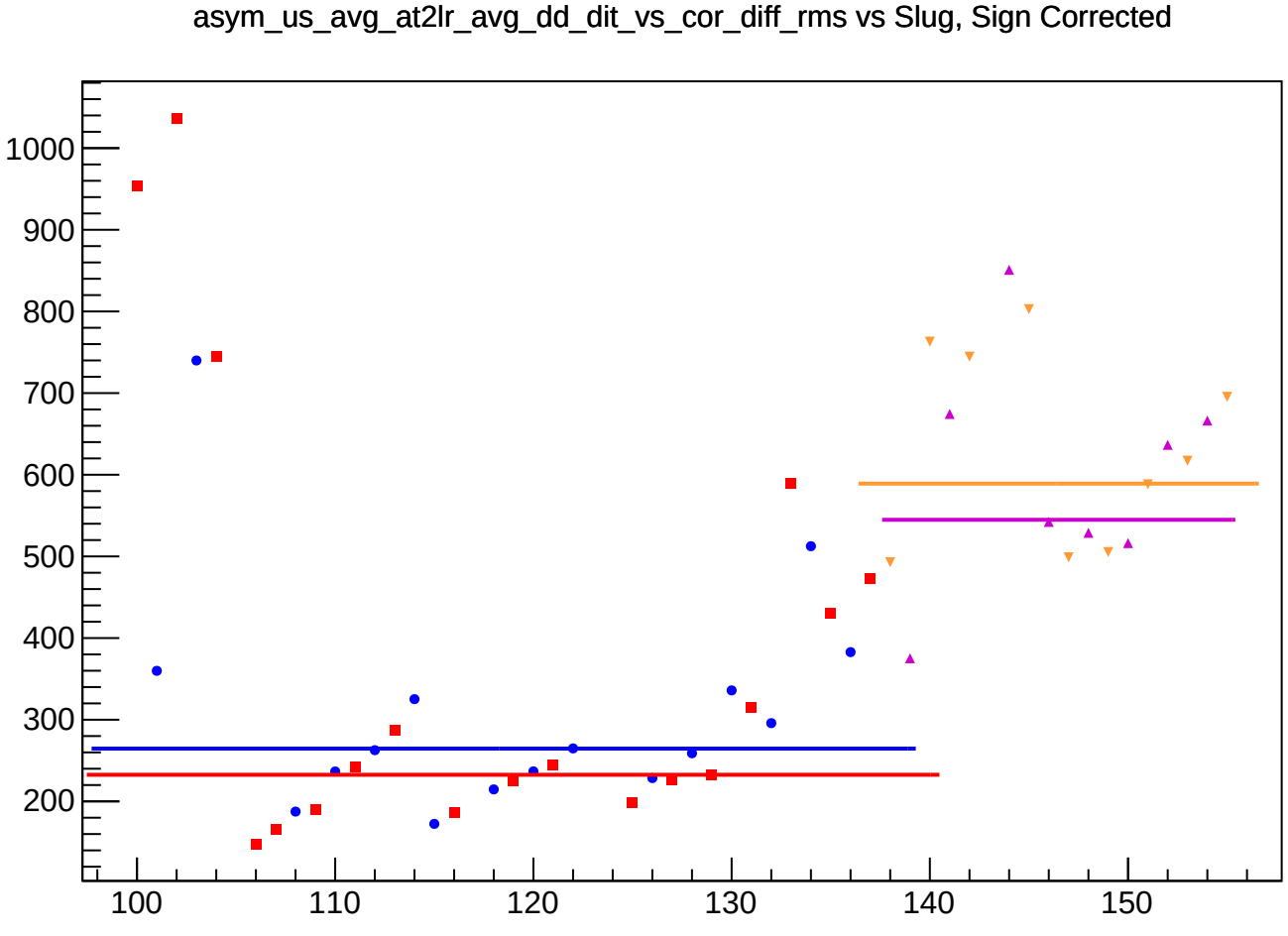
Left: 0.040+/-0.156 χ^2/NDF: 23.1/16

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.124+/-0.094 χ^2/NDF:18.8/23

Out: -0.108+/-0.089 χ^2/NDF:33.3/26

All: 0.002+/-0.065 χ^2/NDF: 55.3/50



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 589.142+/-0.161 χ^2/NDF:432588.6/8

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 544.839+/-0.151 χ^2/NDF:706225.9/7

Left: 565.590+/-0.110 χ^2/NDF: 1179111.8/16

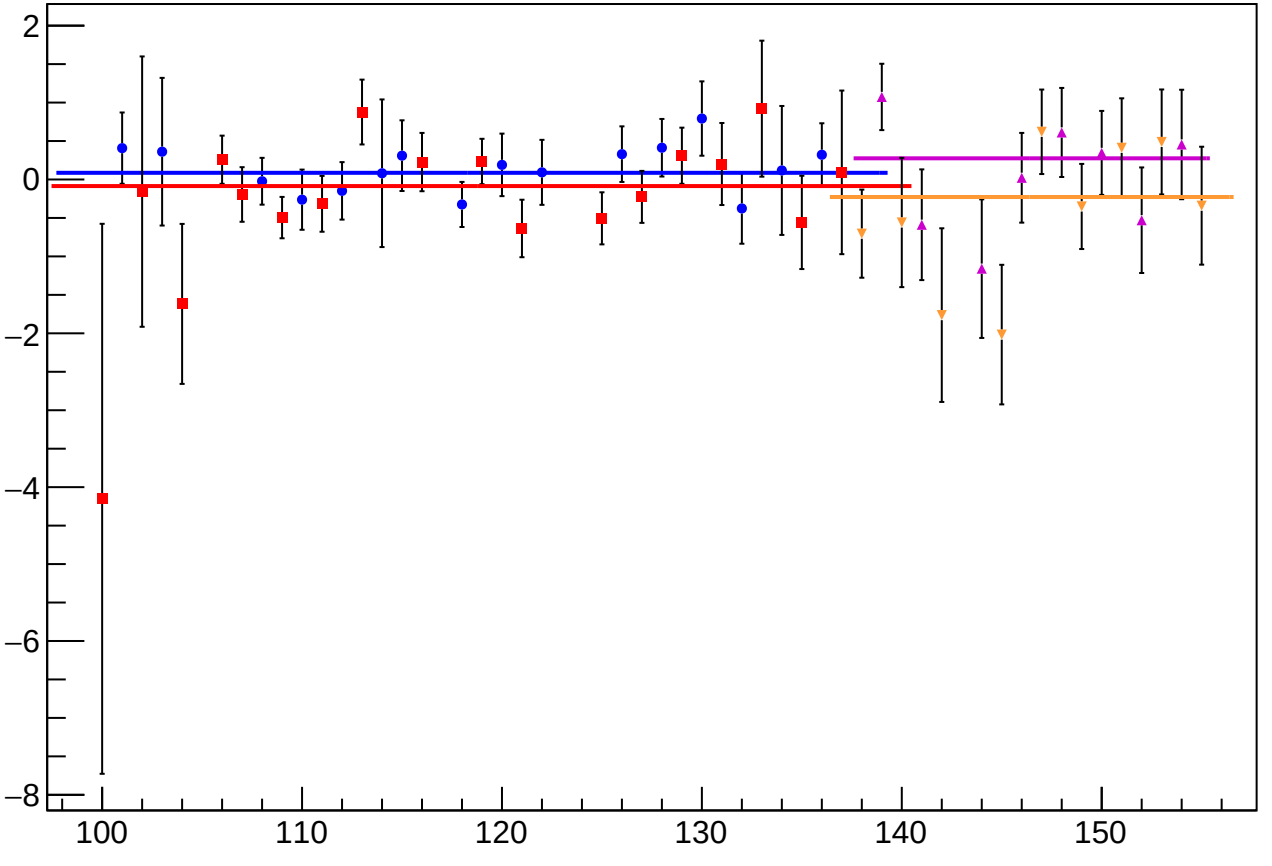
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 319.254+/-0.067 χ^2/NDF:4760473.6/23

Out: 287.738+/-0.063 χ^2/NDF:6615512.0/26

All: 302.674+/-0.046 χ^2/NDF: 11493535.1/50

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: -0.228+/-0.228 χ^2/NDF:11.1/8

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.275+/-0.214 χ^2/NDF:9.4/7

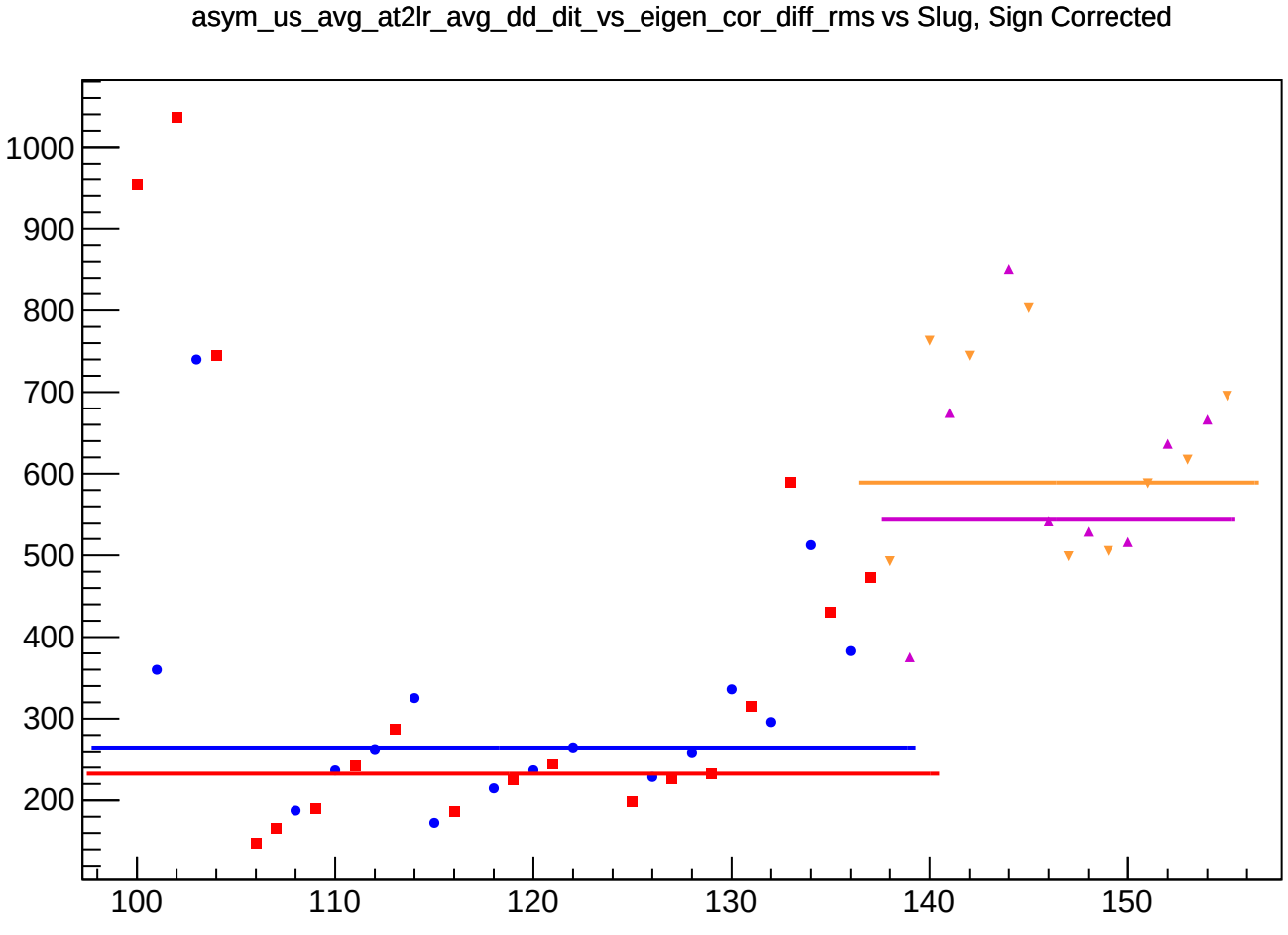
Left: 0.040+/-0.156 χ^2/NDF: 23.1/16

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.124+/-0.094 χ^2/NDF:18.8/23

Out: -0.108+/-0.089 χ^2/NDF:33.3/26

All: 0.002+/-0.065 χ^2/NDF: 55.3/50



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 589.142+/-0.161 χ^2/NDF:432588.6/8

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 544.839+/-0.151 χ^2/NDF:706225.9/7

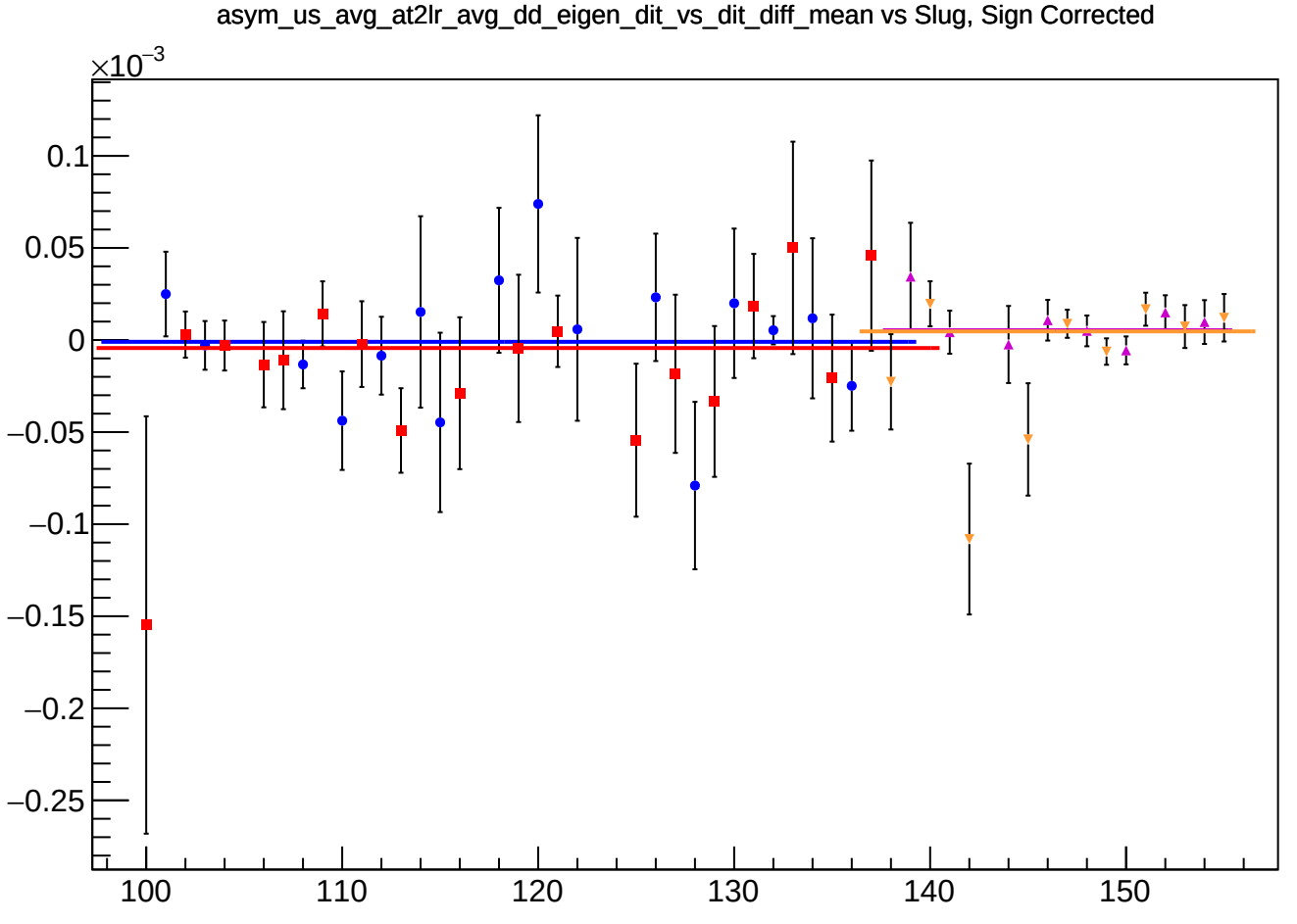
Left: 565.590+/-0.110 χ^2/NDF: 1179111.8/16

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 319.254+/-0.067 χ^2/NDF:4760473.6/23

Out: 287.738+/-0.063 χ^2/NDF:6615512.0/26

All: 302.674+/-0.046 χ^2/NDF: 11493535.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/8

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:4.7/7

Left: 0.000+/-0.000 χ^2/NDF: 23.4/16

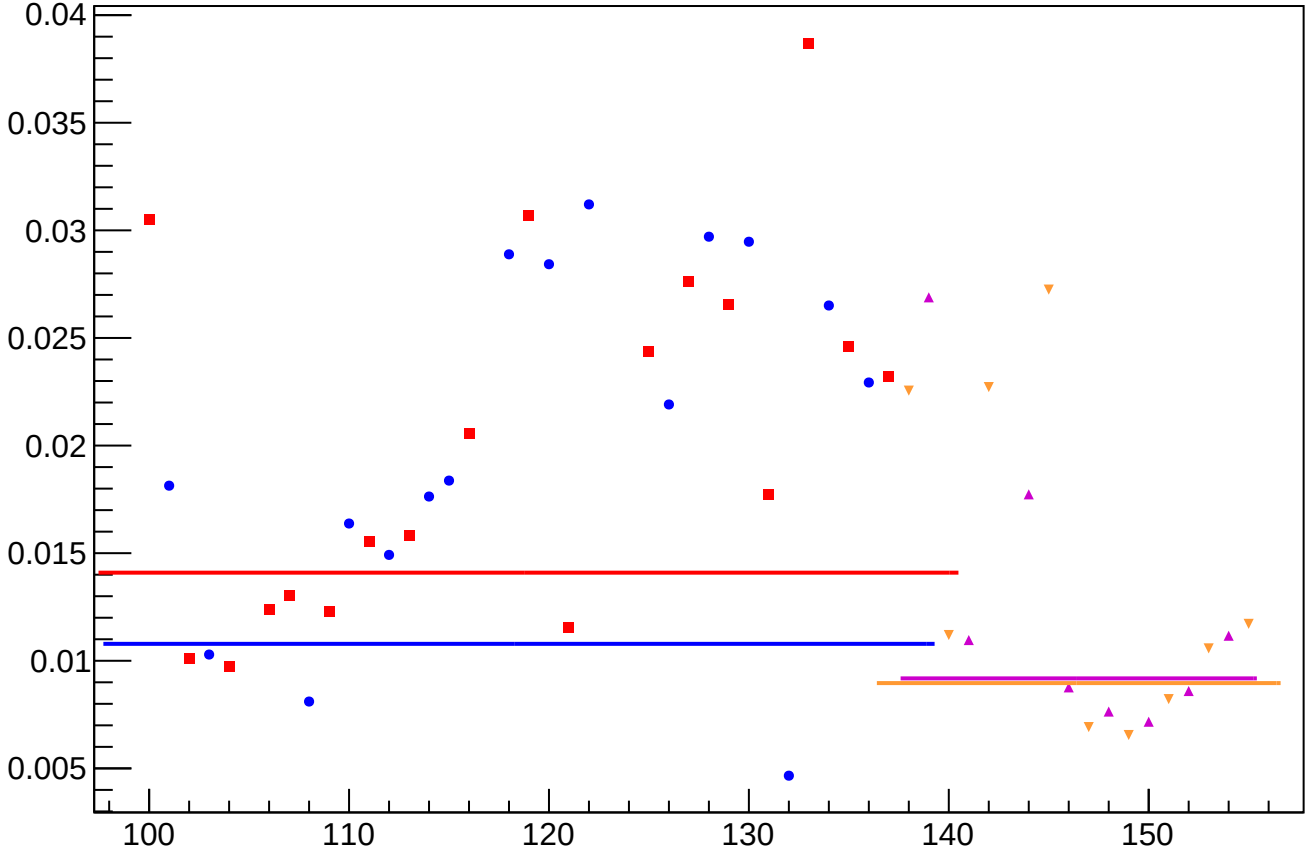
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:20.1/23

Out: 0.000+/-0.000 χ^2/NDF:33.0/26

All: 0.000+/-0.000 χ^2/NDF: 53.2/50

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2075422.0/8

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.009+/-0.000 χ^2/NDF:1388414.5/7

Left: 0.009+/-0.000 χ^2/NDF: 3467221.8/16

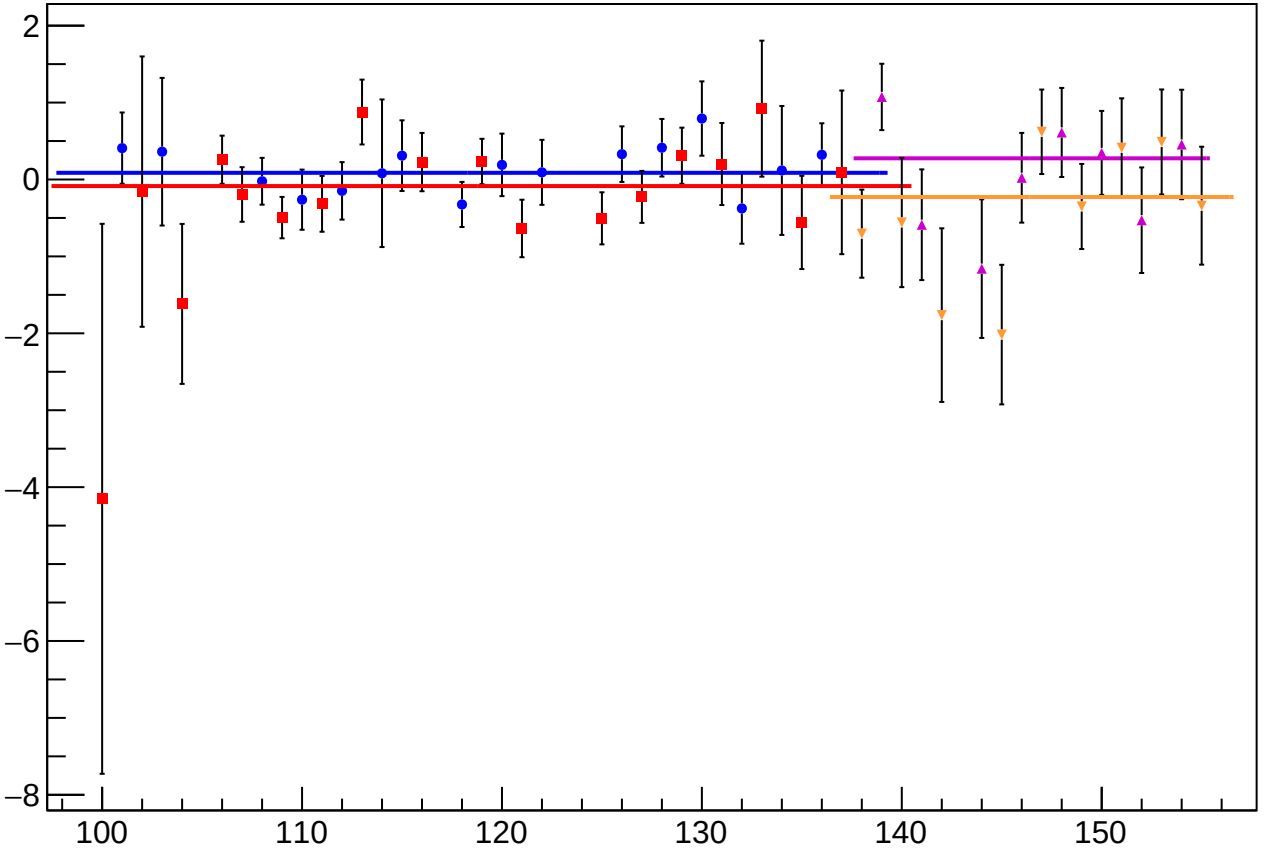
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:6100339.4/23

Out: 0.010+/-0.000 χ^2/NDF:5289213.6/26

All: 0.010+/-0.000 χ^2/NDF: 11442830.5/50

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: -0.228+/-0.228 χ^2/NDF:11.1/8

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.275+/-0.214 χ^2/NDF:9.4/7

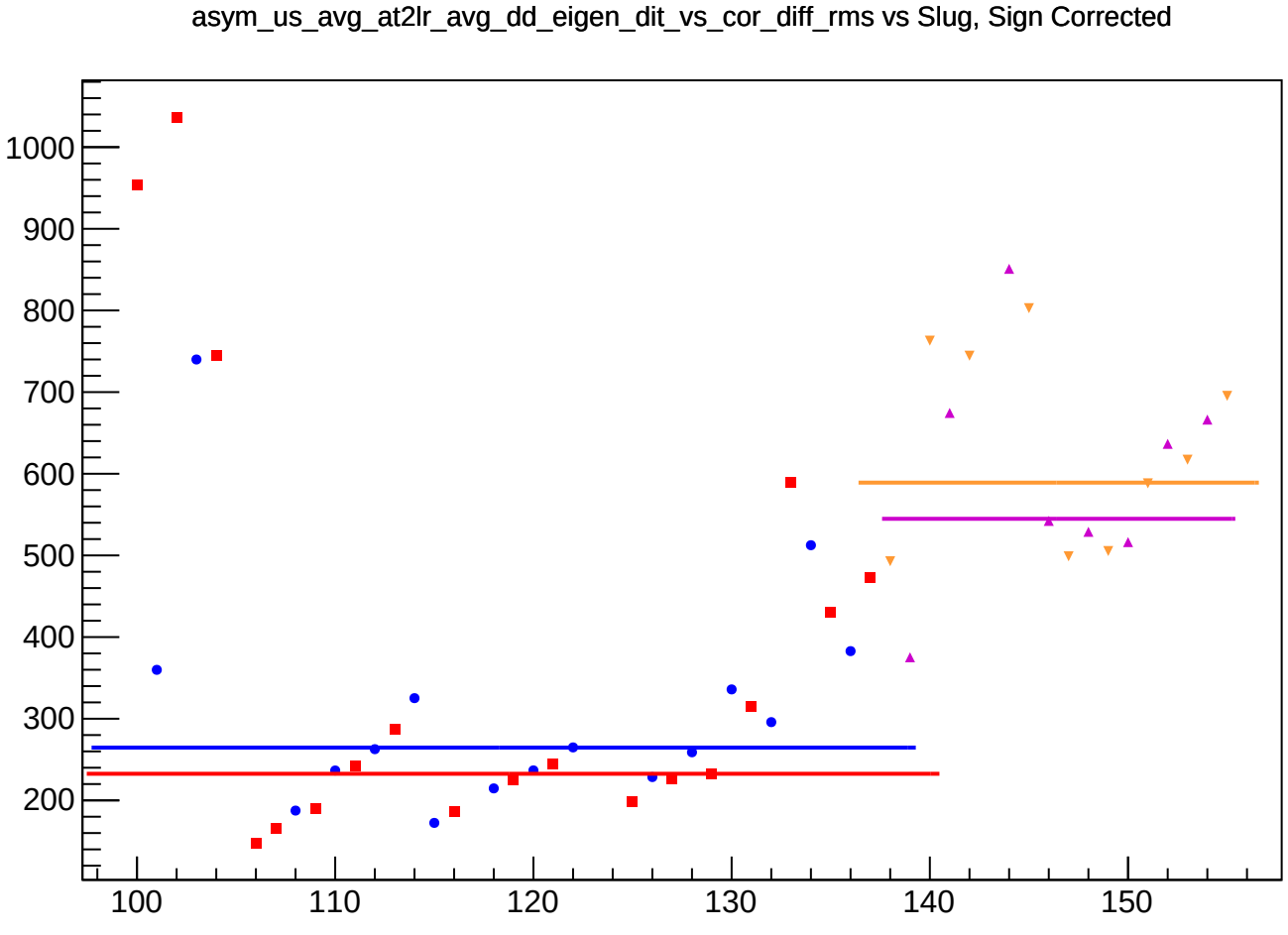
Left: 0.040+/-0.156 χ^2/NDF: 23.1/16

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

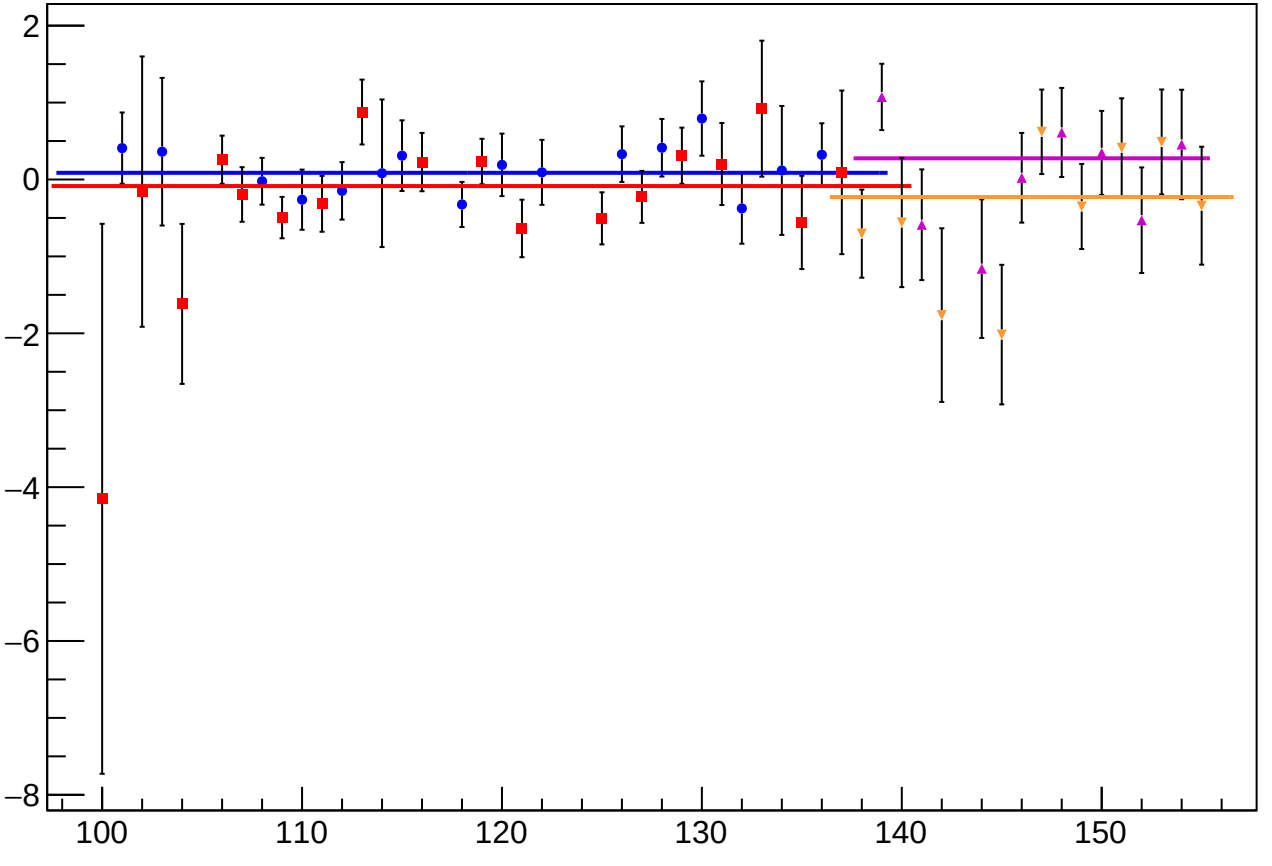
In: 0.124+/-0.094 χ^2/NDF:18.8/23

Out: -0.108+/-0.089 χ^2/NDF:33.3/26

All: 0.002+/-0.065 χ^2/NDF: 55.3/50


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 589.148+/-0.161 χ²/NDF:432592.6/8
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 544.846+/-0.151 χ²/NDF:706197.5/7
Left: 565.597+/-0.110 χ²/NDF: 1179083.4/16
Right: 247.407+/-0.050 χ²/NDF: 3416901.3/33
In: 319.254+/-0.067 χ²/NDF:4760512.8/23
Out: 287.739+/-0.063 χ²/NDF:6615557.7/26
All: 302.675+/-0.046 χ²/NDF: 11493614.4/50

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: -0.228+/-0.228 χ^2/NDF:11.1/8

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.275+/-0.214 χ^2/NDF:9.4/7

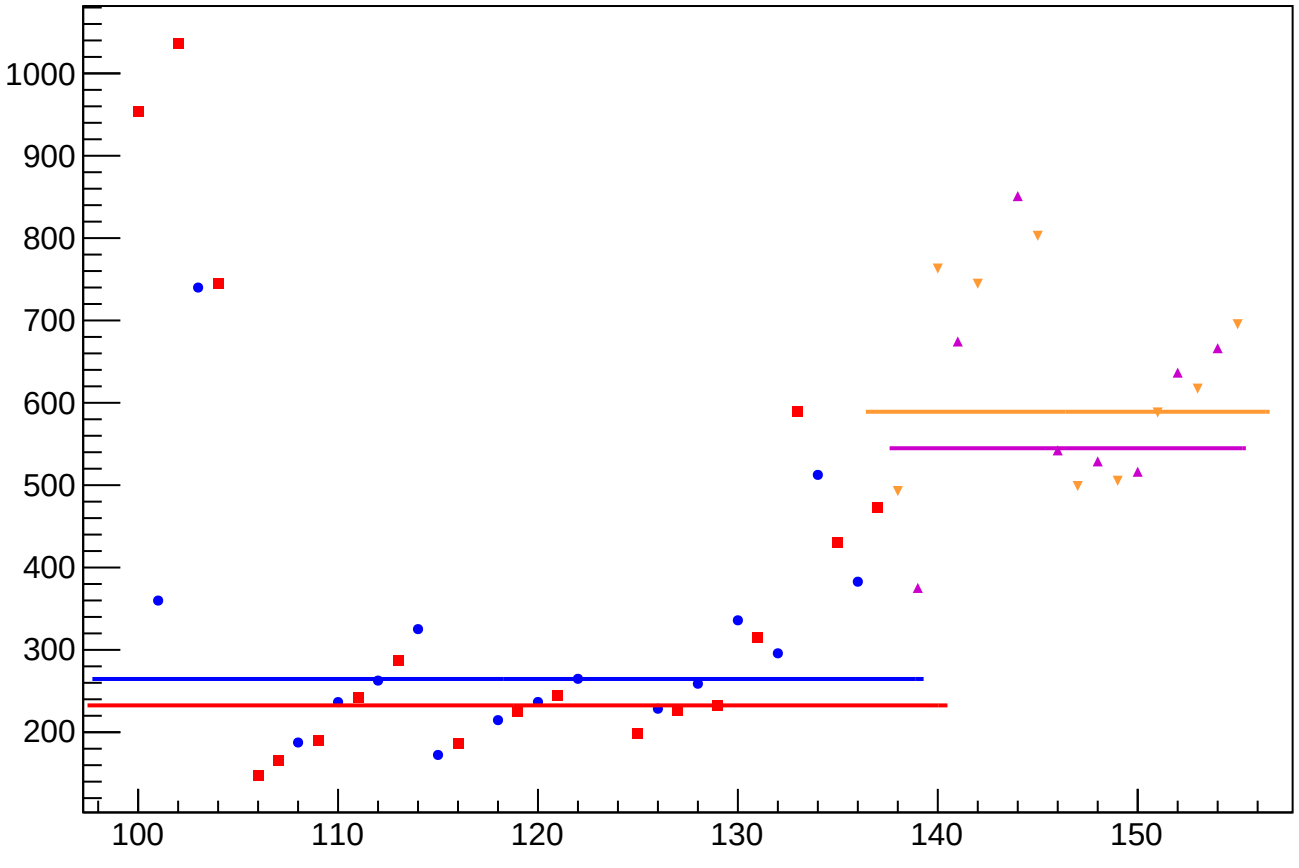
Left: 0.040+/-0.156 χ^2/NDF: 23.1/16

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.124+/-0.094 χ^2/NDF:18.8/23

Out: -0.108+/-0.089 χ^2/NDF:33.3/26

All: 0.002+/-0.065 χ^2/NDF: 55.3/50



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 589.148+/-0.161 χ^2/NDF:432592.6/8

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 544.846+/-0.151 χ^2/NDF:706197.5/7

Left: 565.597+/-0.110 χ^2/NDF: 1179083.4/16

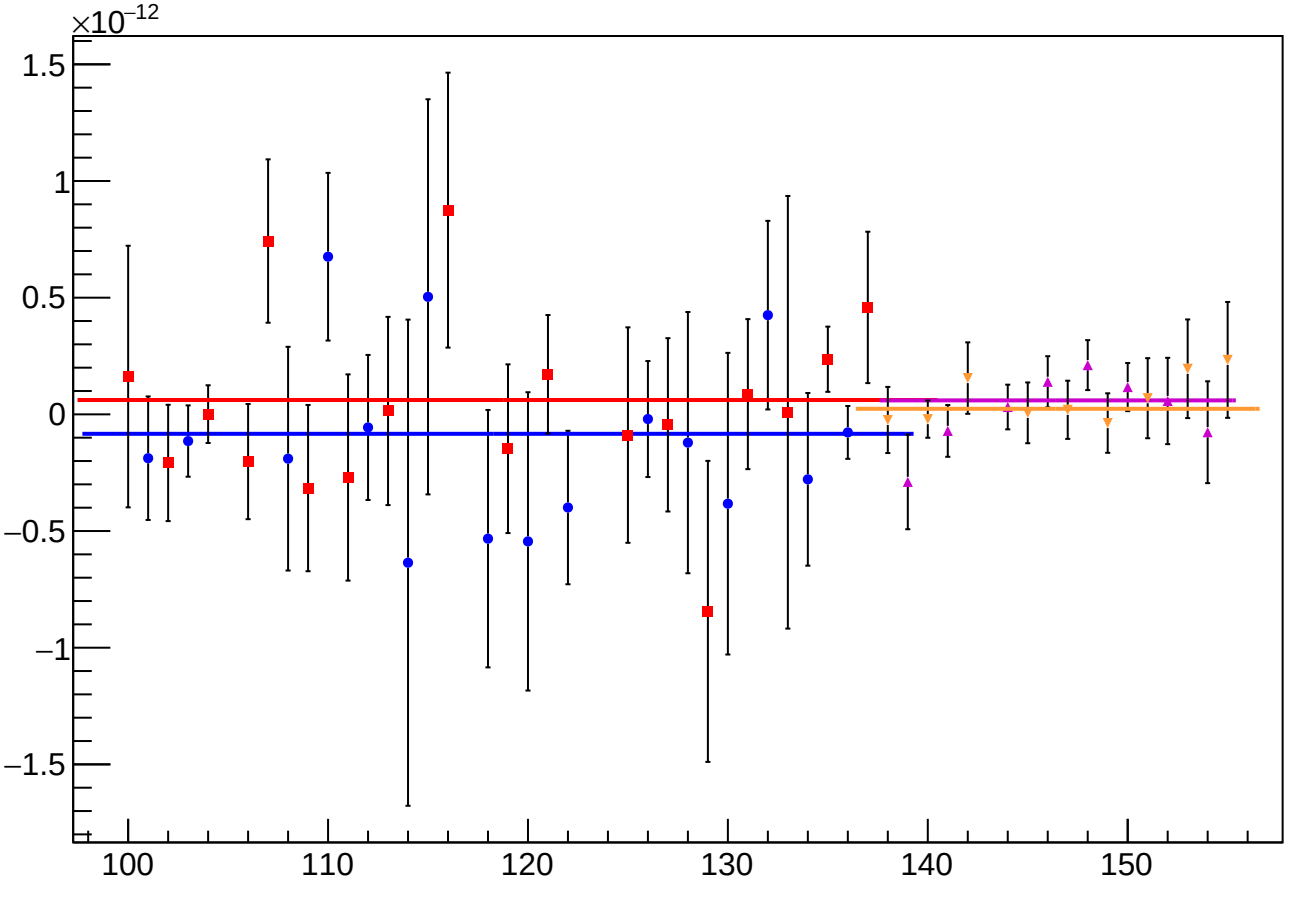
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 319.254+/-0.067 χ^2/NDF:4760512.8/23

Out: 287.739+/-0.063 χ^2/NDF:6615557.7/26

All: 302.675+/-0.046 χ^2/NDF: 11493614.4/50

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:7.7/7

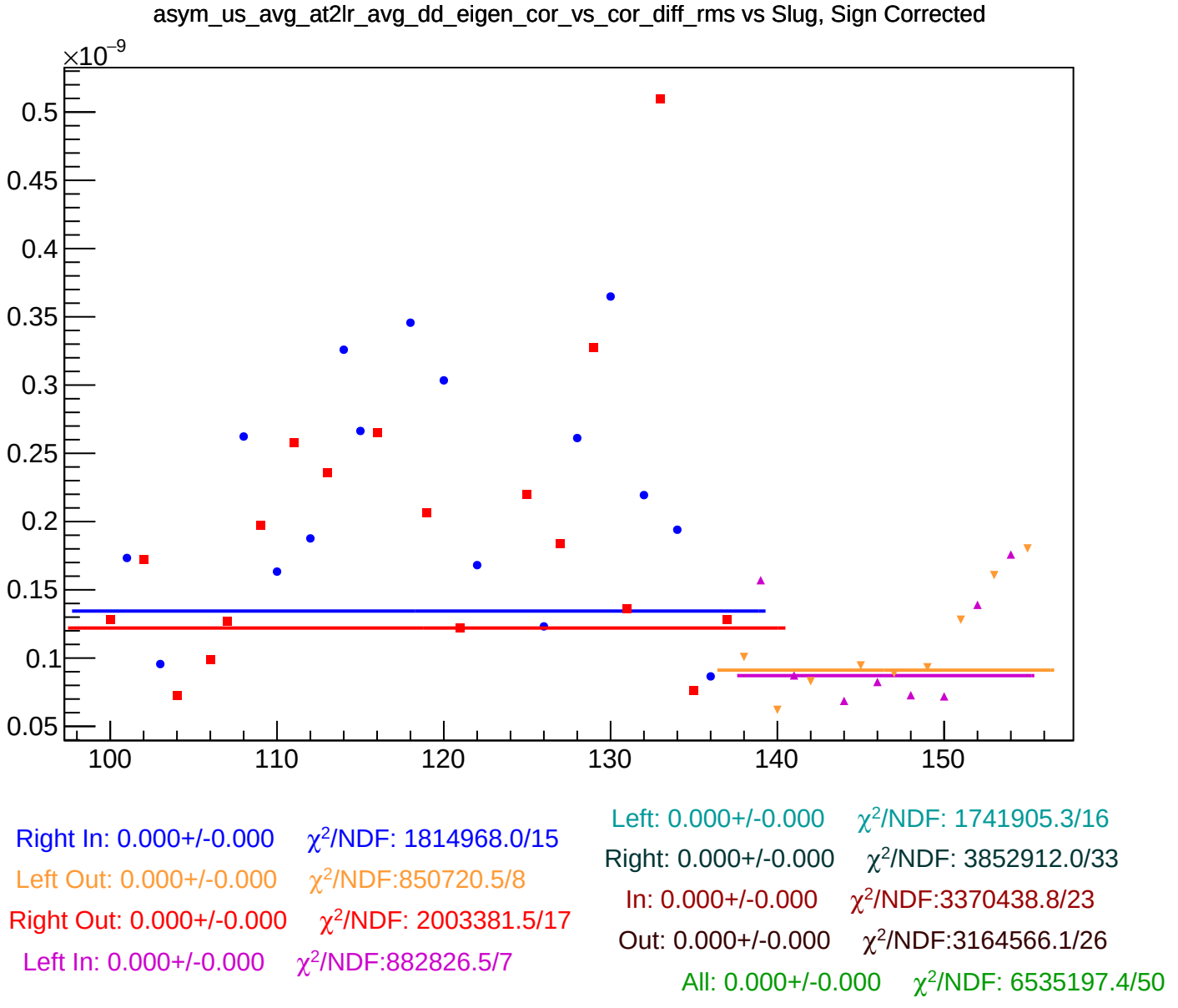
Left: 0.000+/-0.000 χ^2/NDF: 10.8/16

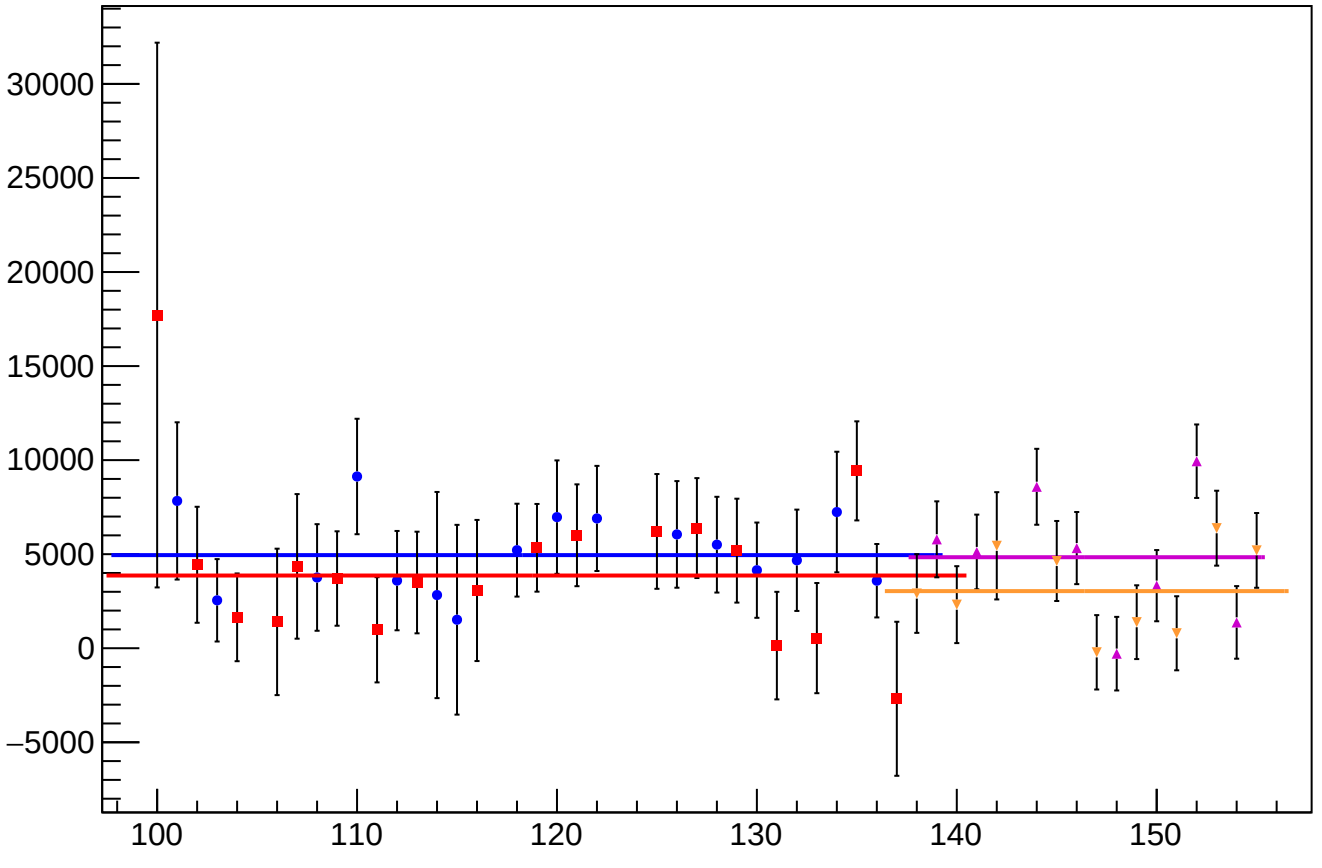
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:20.5/23

Out: 0.000+/-0.000 χ^2/NDF:18.8/26

All: 0.000+/-0.000 χ^2/NDF: 39.4/50


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:850720.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:882826.5/7
Left: 0.000+/-0.000 χ²/NDF: 1741905.3/16
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:3370438.8/23
Out: 0.000+/-0.000 χ²/NDF:3164566.1/26
All: 0.000+/-0.000 χ²/NDF: 6535197.4/50



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3036.394+/-691.601 χ^2/NDF:10.1/8

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4838.446+/-692.133 χ^2/NDF:21.3/7

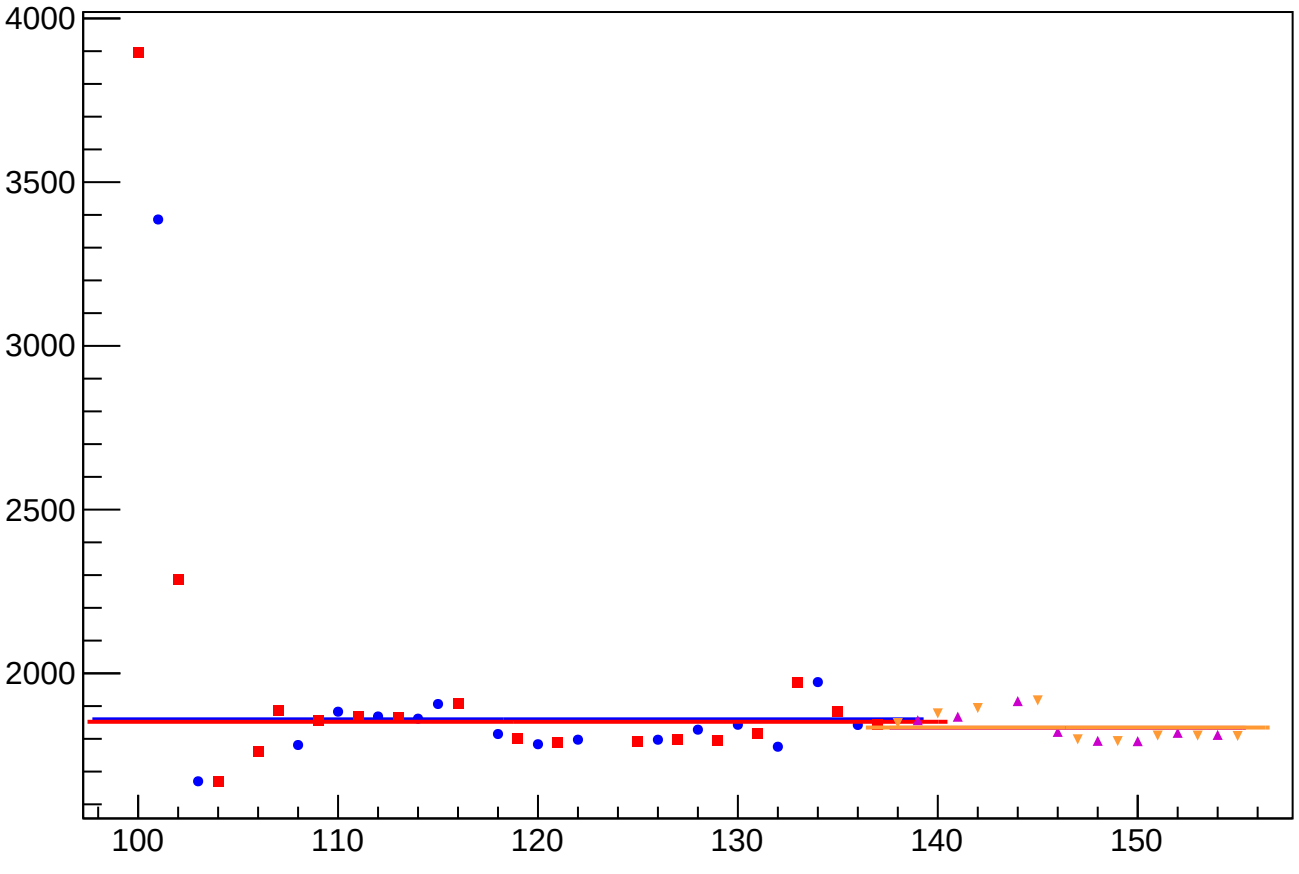
Left: 3936.728+/-489.224 χ^2/NDF: 34.8/16

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4893.836+/-491.800 χ^2/NDF:28.2/23

Out: 3448.273+/-490.507 χ^2/NDF:27.0/26

All: 4169.152+/-347.297 χ^2/NDF: 59.5/50



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1834.475+/-0.489 χ^2/NDF:7400.1/8

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1833.411+/-0.489 χ^2/NDF:6326.1/7

Left: 1833.944+/-0.346 χ^2/NDF: 13728.5/16

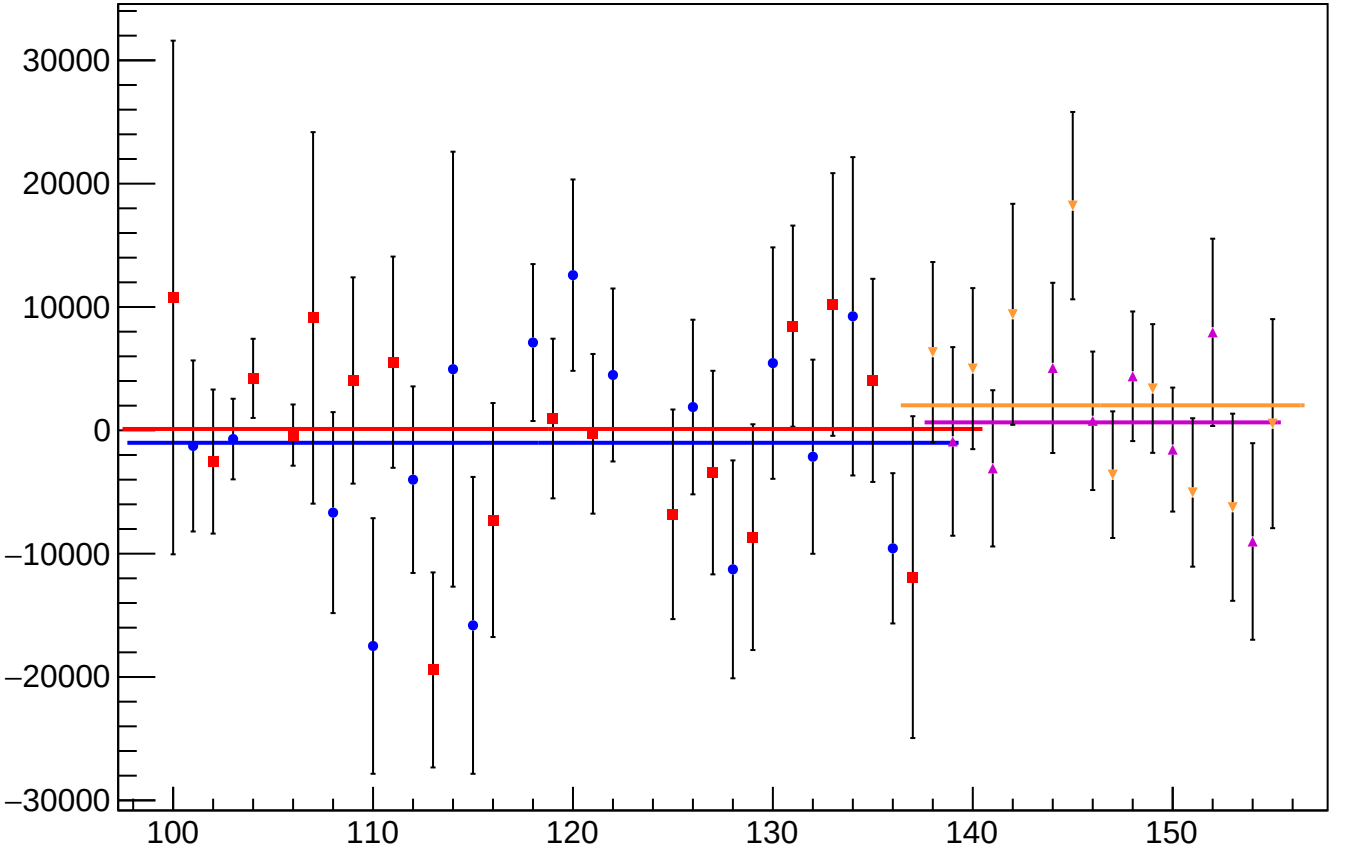
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1846.333+/-0.348 χ^2/NDF:300068.6/23

Out: 1843.244+/-0.346 χ^2/NDF:110257.5/26

All: 1844.782+/-0.245 χ^2/NDF: 410365.7/50

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: 2028.428+/-2205.667 χ^2/NDF:9.6/8

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 645.523+/-2216.016 χ^2/NDF:3.9/7

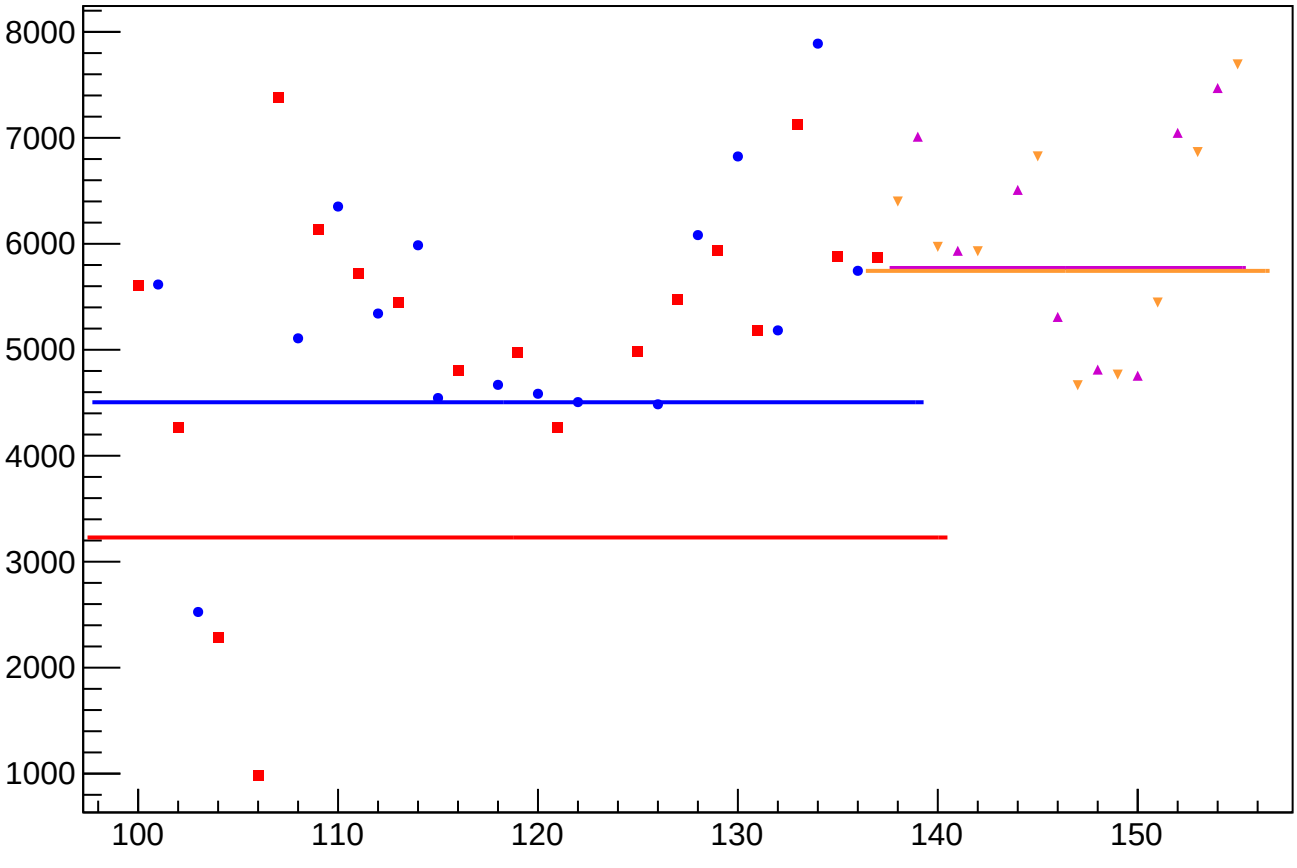
Left: 1340.212+/-1563.288 χ^2/NDF: 13.7/16

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -367.960+/-1380.212 χ^2/NDF:19.0/23

Out: 683.380+/-1204.906 χ^2/NDF:24.8/26

All: 228.679+/-907.690 χ^2/NDF: 44.1/50



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5744.650+/-1.560 χ^2/NDF:372936.9/8

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 5771.848+/-1.567 χ^2/NDF:385878.8/7

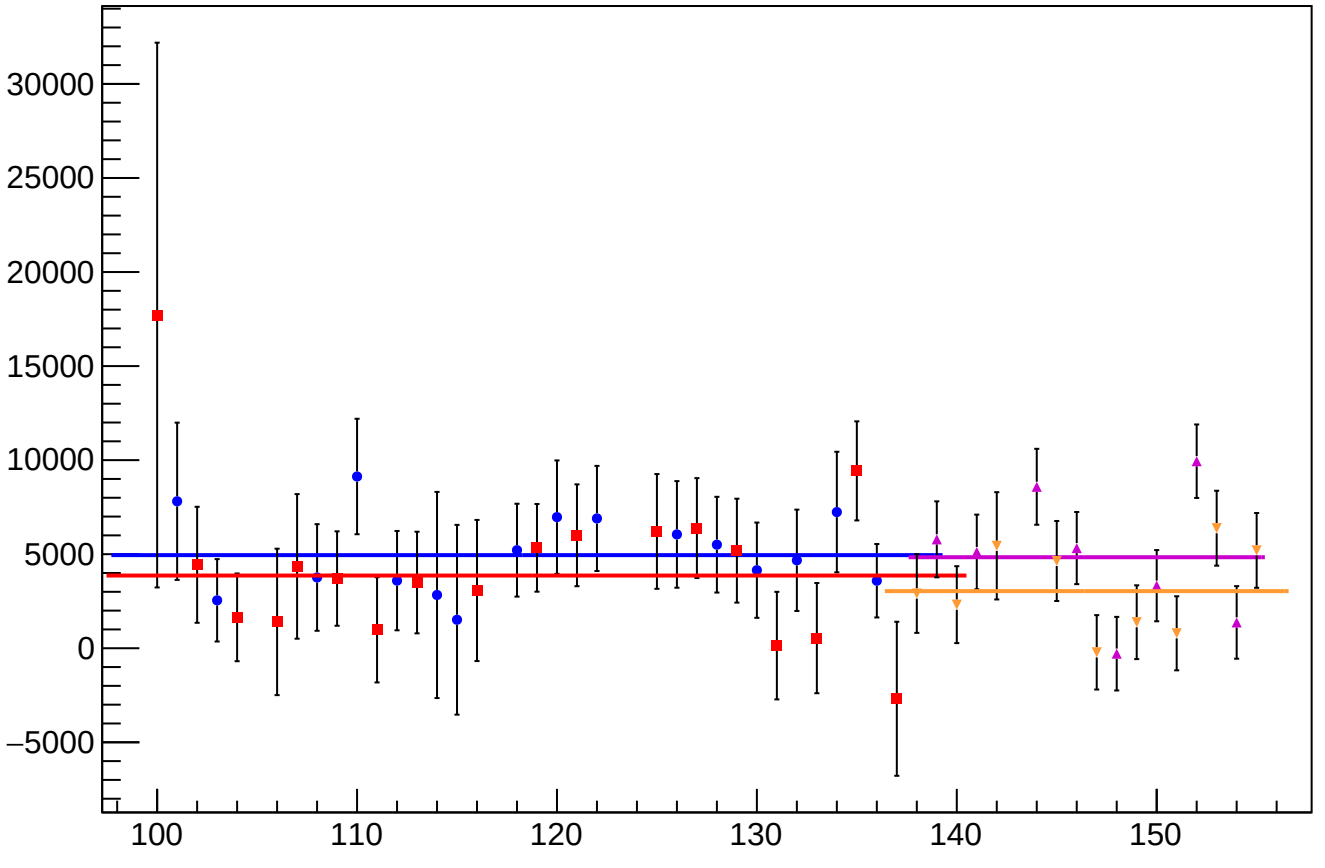
Left: 5758.185+/-1.105 χ^2/NDF: 758967.0/16

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 4996.310+/-0.976 χ^2/NDF:2107190.6/23

Out: 3979.441+/-0.852 χ^2/NDF:6155182.7/26

All: 4419.234+/-0.642 χ^2/NDF: 8878452.8/50



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3036.276+/-691.601 χ^2/NDF:10.1/8

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4838.755+/-692.133 χ^2/NDF:21.3/7

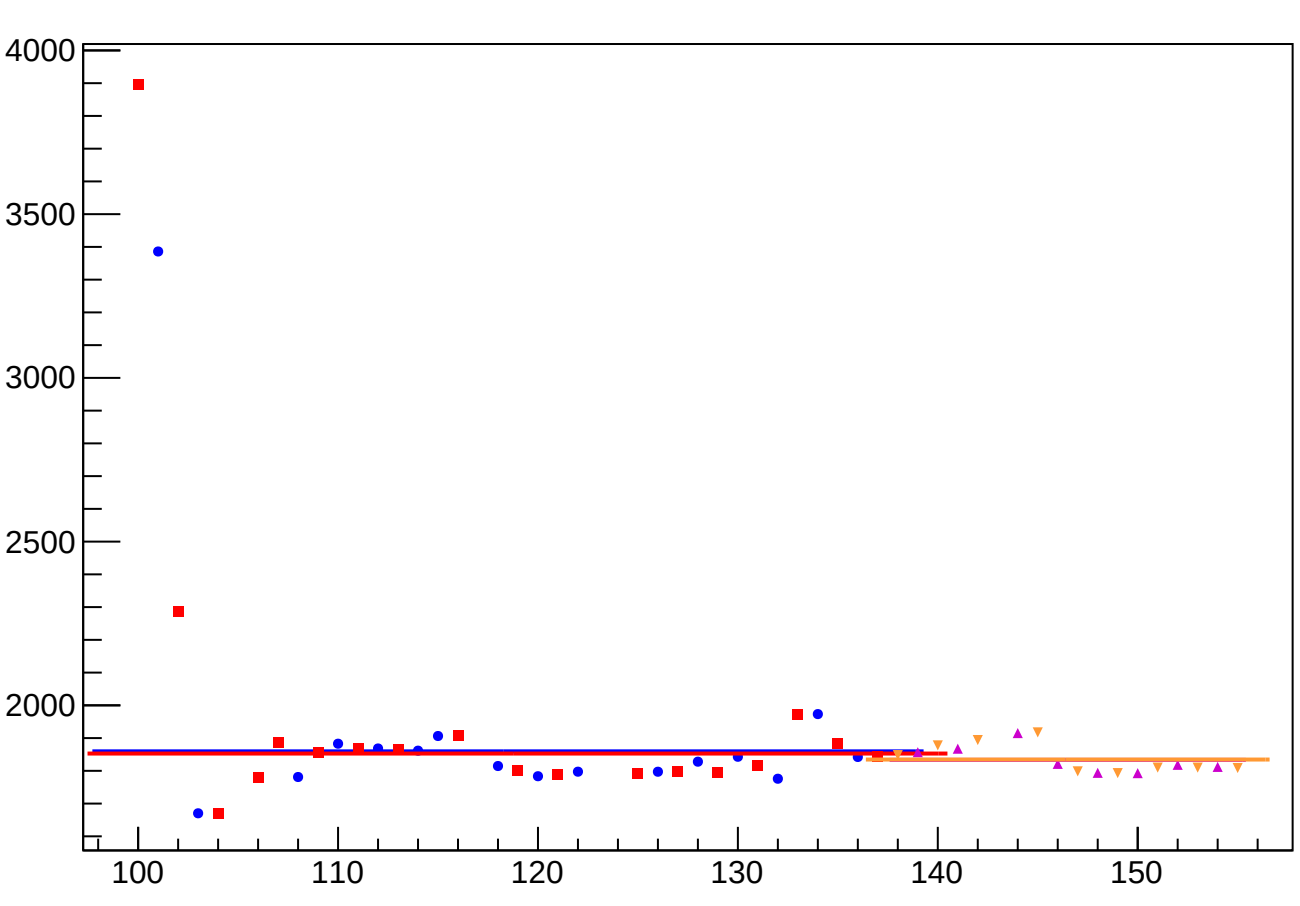
Left: 3936.823+/-489.224 χ^2/NDF: 34.8/16

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4893.753+/-491.800 χ^2/NDF:28.2/23

Out: 3448.106+/-490.507 χ^2/NDF:27.0/26

All: 4169.027+/-347.297 χ^2/NDF: 59.5/50



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1834.475+/-0.489 χ^2/NDF:7400.1/8

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1833.411+/-0.489 χ^2/NDF:6326.1/7

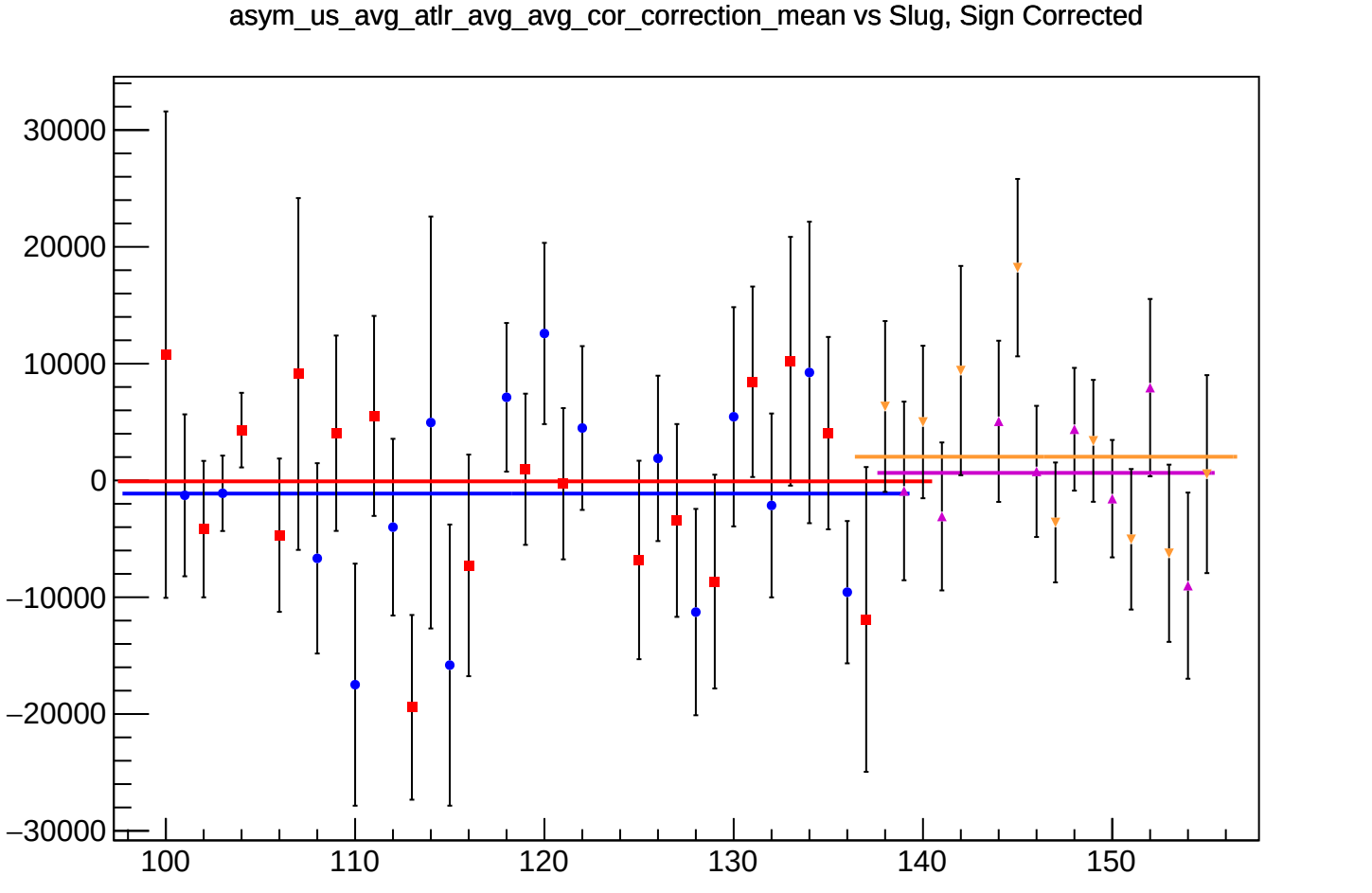
Left: 1833.944+/-0.346 χ^2/NDF: 13728.5/16

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1846.333+/-0.348 χ^2/NDF:300070.5/23

Out: 1843.593+/-0.346 χ^2/NDF:109848.1/26

All: 1844.957+/-0.245 χ^2/NDF: 409949.7/50



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 2028.310+/-2205.665 χ^2/NDF:9.6/8

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 645.722+/-2216.016 χ^2/NDF:3.9/7

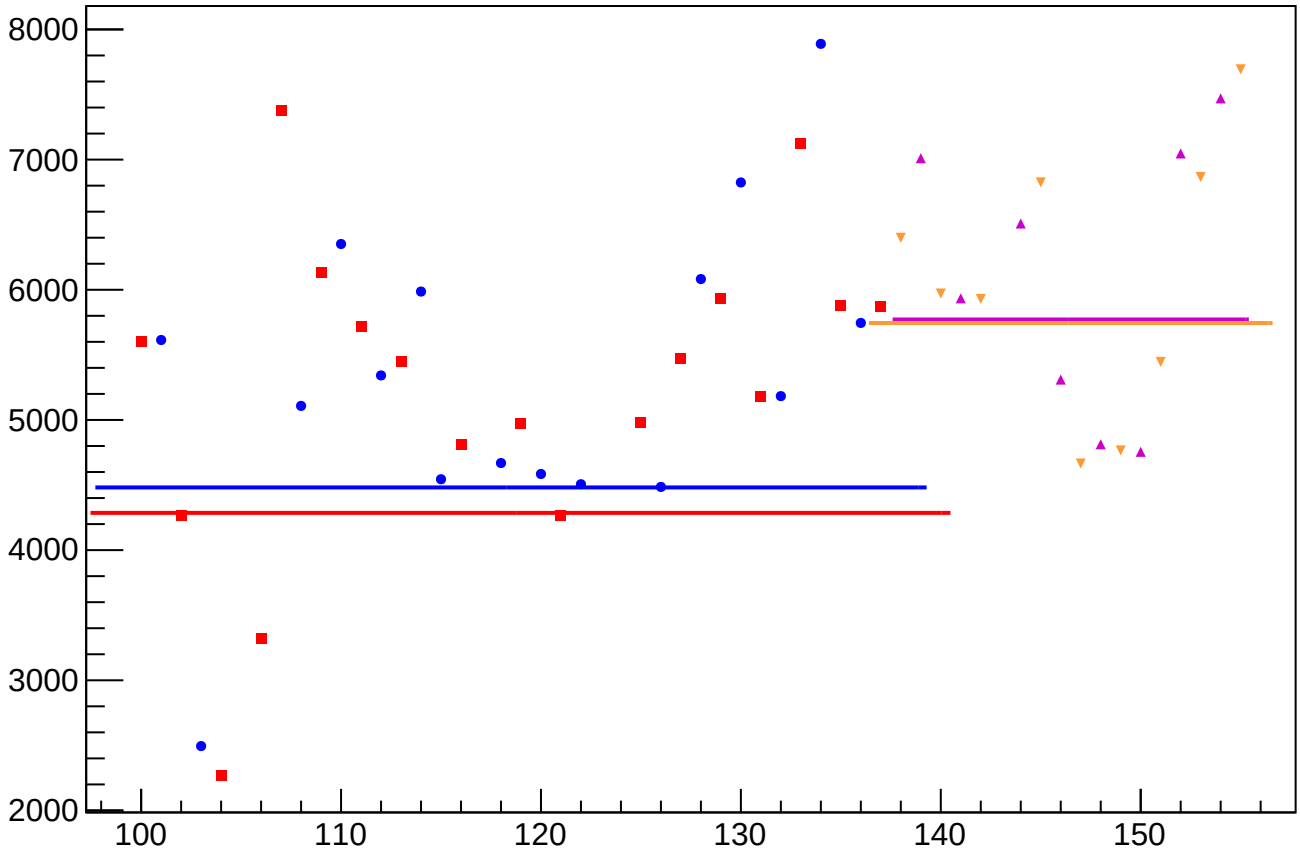
Left: 1340.253+/-1563.287 χ^2/NDF: 13.7/16

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -441.451+/-1377.187 χ^2/NDF:19.0/23

Out: 708.194+/-1347.690 χ^2/NDF:25.8/26

All: 145.815+/-963.220 χ^2/NDF: 45.1/50



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5744.643+/-1.560 χ^2/NDF:372941.2/8

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5771.847+/-1.567 χ^2/NDF:385881.2/7

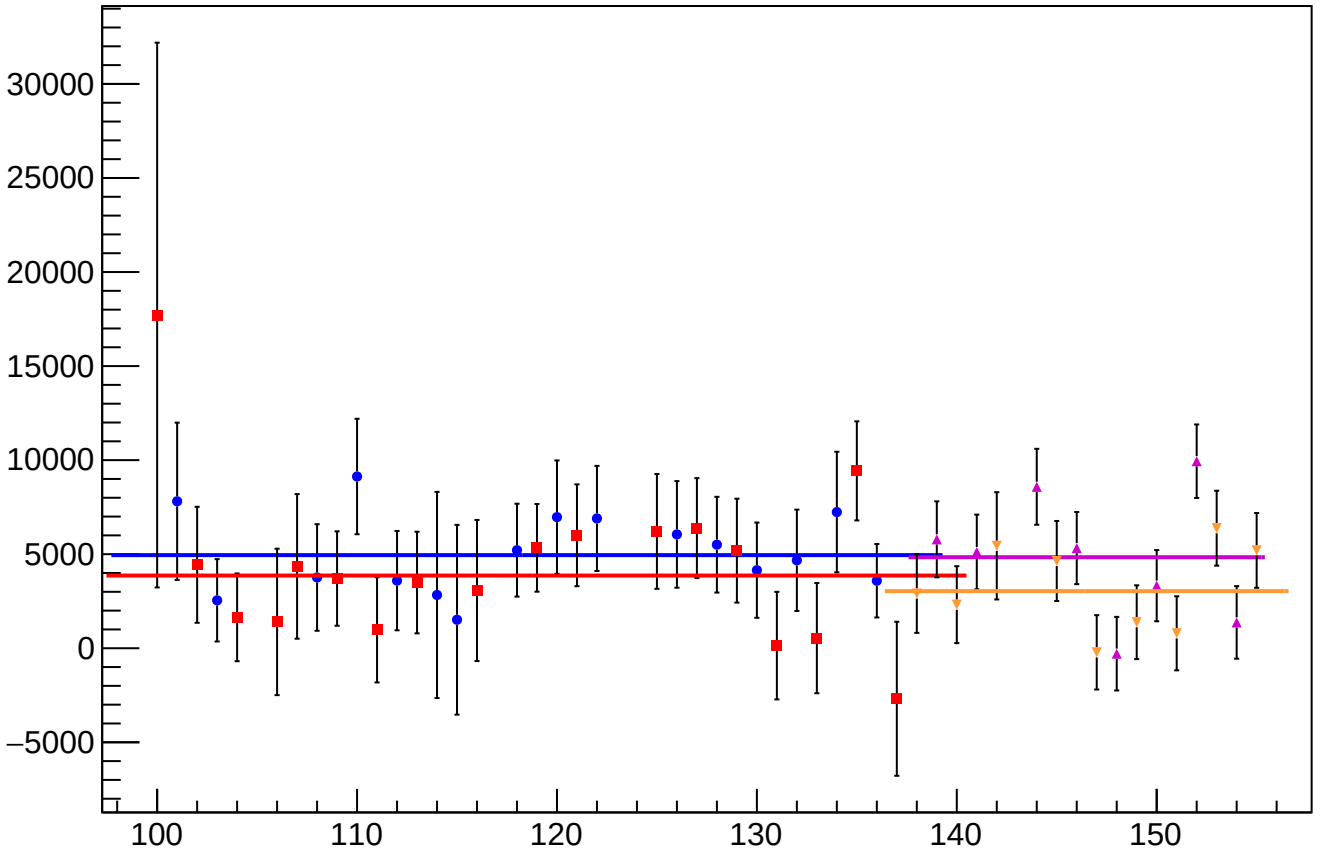
Left: 5758.182+/-1.105 χ^2/NDF: 758973.9/16

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4979.875+/-0.974 χ^2/NDF:2164329.1/23

Out: 4830.644+/-0.953 χ^2/NDF:2470829.6/26

All: 4903.644+/-0.681 χ^2/NDF: 4647154.8/50



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3036.276+/-691.601 χ^2/NDF:10.1/8

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4838.755+/-692.133 χ^2/NDF:21.3/7

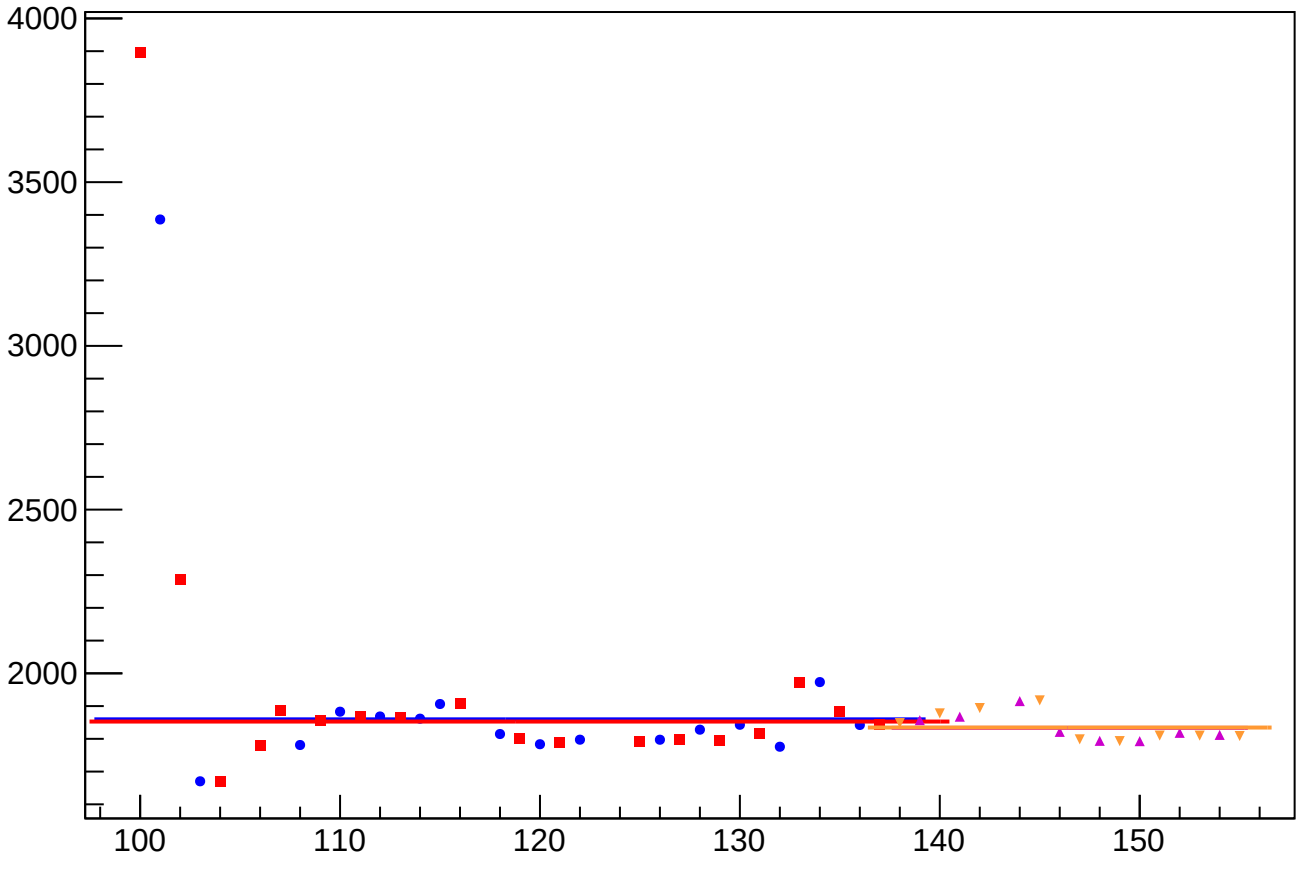
Left: 3936.823+/-489.224 χ^2/NDF: 34.8/16

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4893.753+/-491.800 χ^2/NDF:28.2/23

Out: 3448.106+/-490.507 χ^2/NDF:27.0/26

All: 4169.027+/-347.297 χ^2/NDF: 59.5/50



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1834.475+/-0.489 χ^2/NDF:7400.1/8

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1833.411+/-0.489 χ^2/NDF:6326.1/7

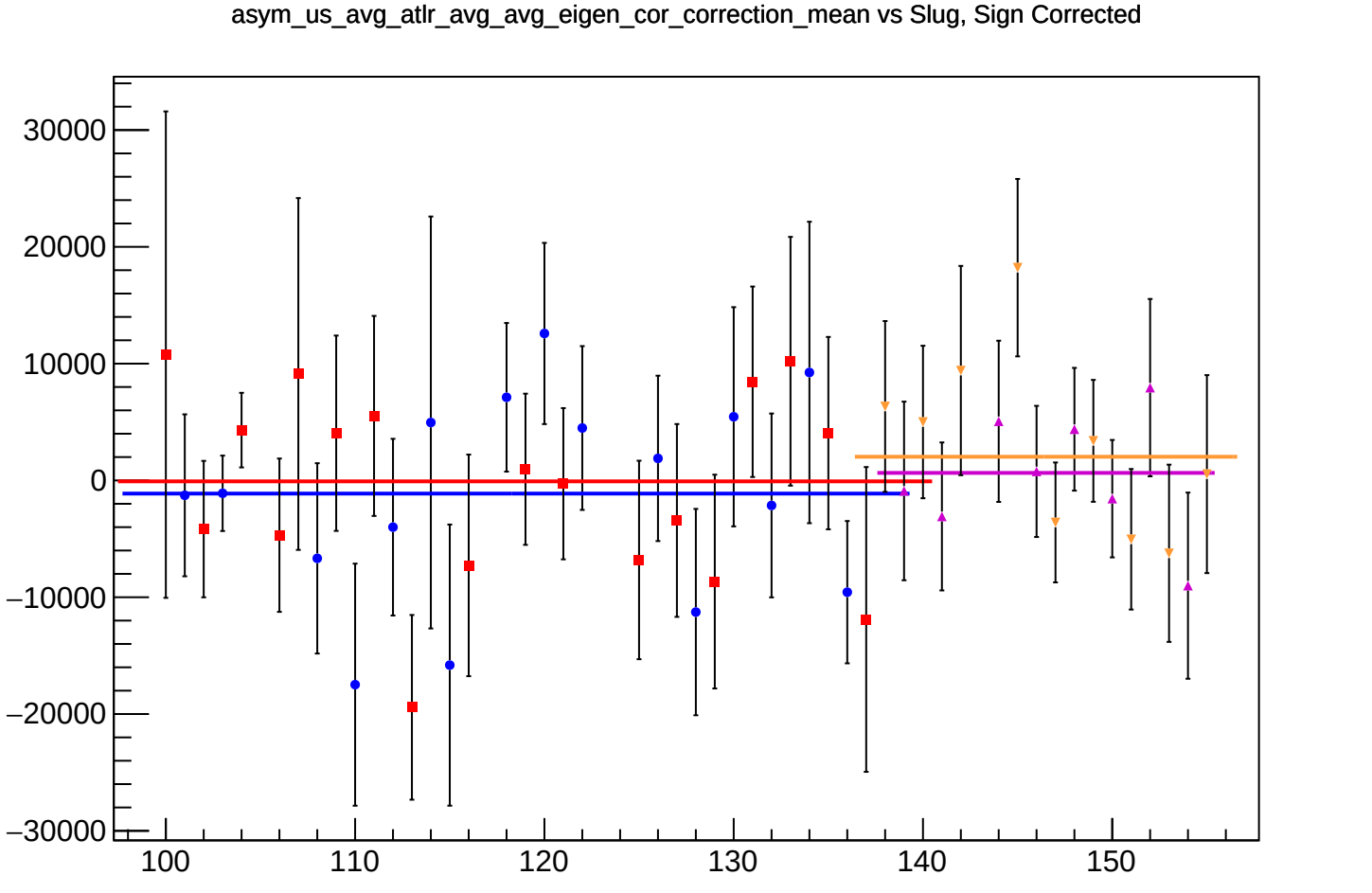
Left: 1833.944+/-0.346 χ^2/NDF: 13728.5/16

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1846.333+/-0.348 χ^2/NDF:300070.5/23

Out: 1843.593+/-0.346 χ^2/NDF:109848.1/26

All: 1844.957+/-0.245 χ^2/NDF: 409949.7/50



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 2028.310+/-2205.665 χ^2/NDF:9.6/8

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 645.722+/-2216.016 χ^2/NDF:3.9/7

Left: 1340.253+/-1563.287 χ^2/NDF: 13.7/16

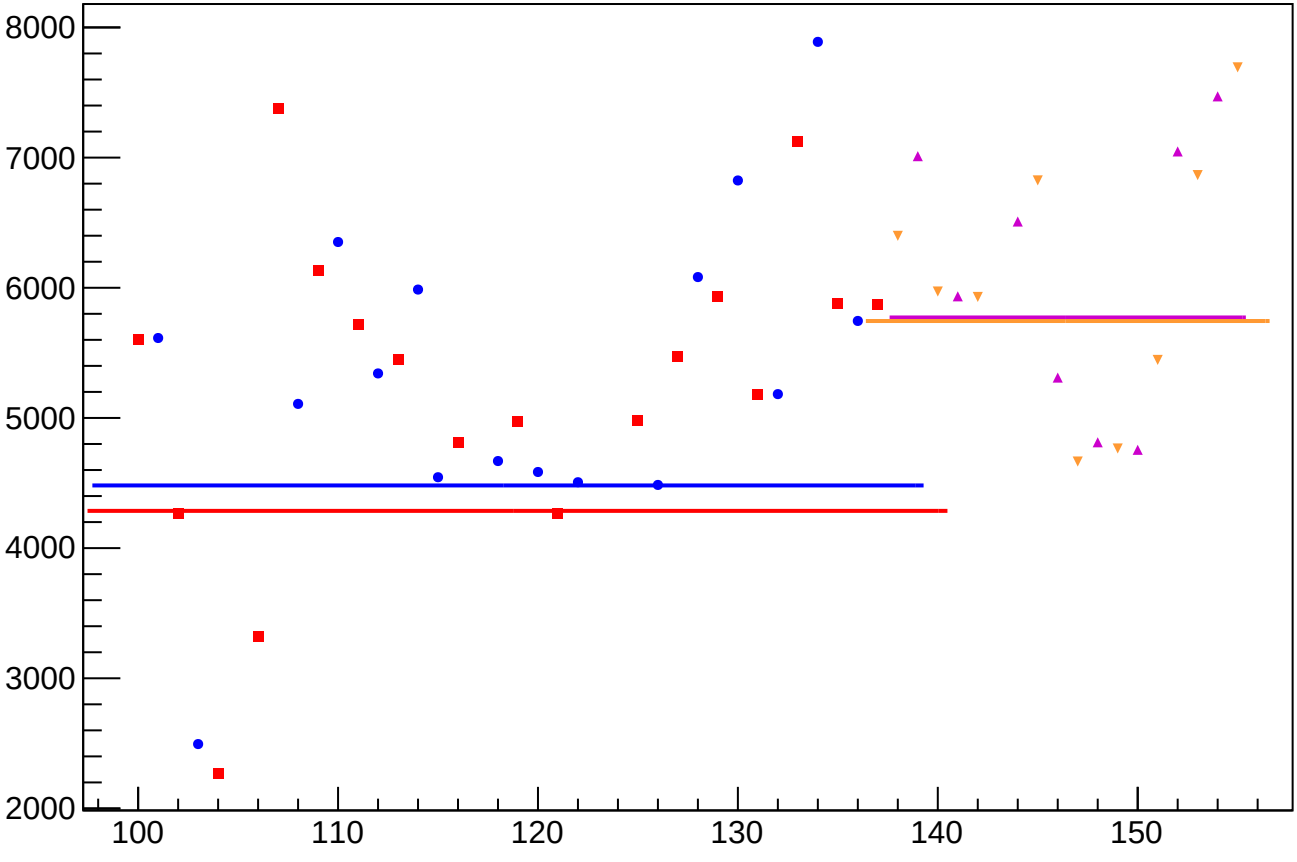
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -441.451+/-1377.187 χ^2/NDF:19.0/23

Out: 708.194+/-1347.690 χ^2/NDF:25.8/26

All: 145.815+/-963.220 χ^2/NDF: 45.1/50

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5744.643+/-1.560 χ^2/NDF:372941.2/8

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5771.847+/-1.567 χ^2/NDF:385881.2/7

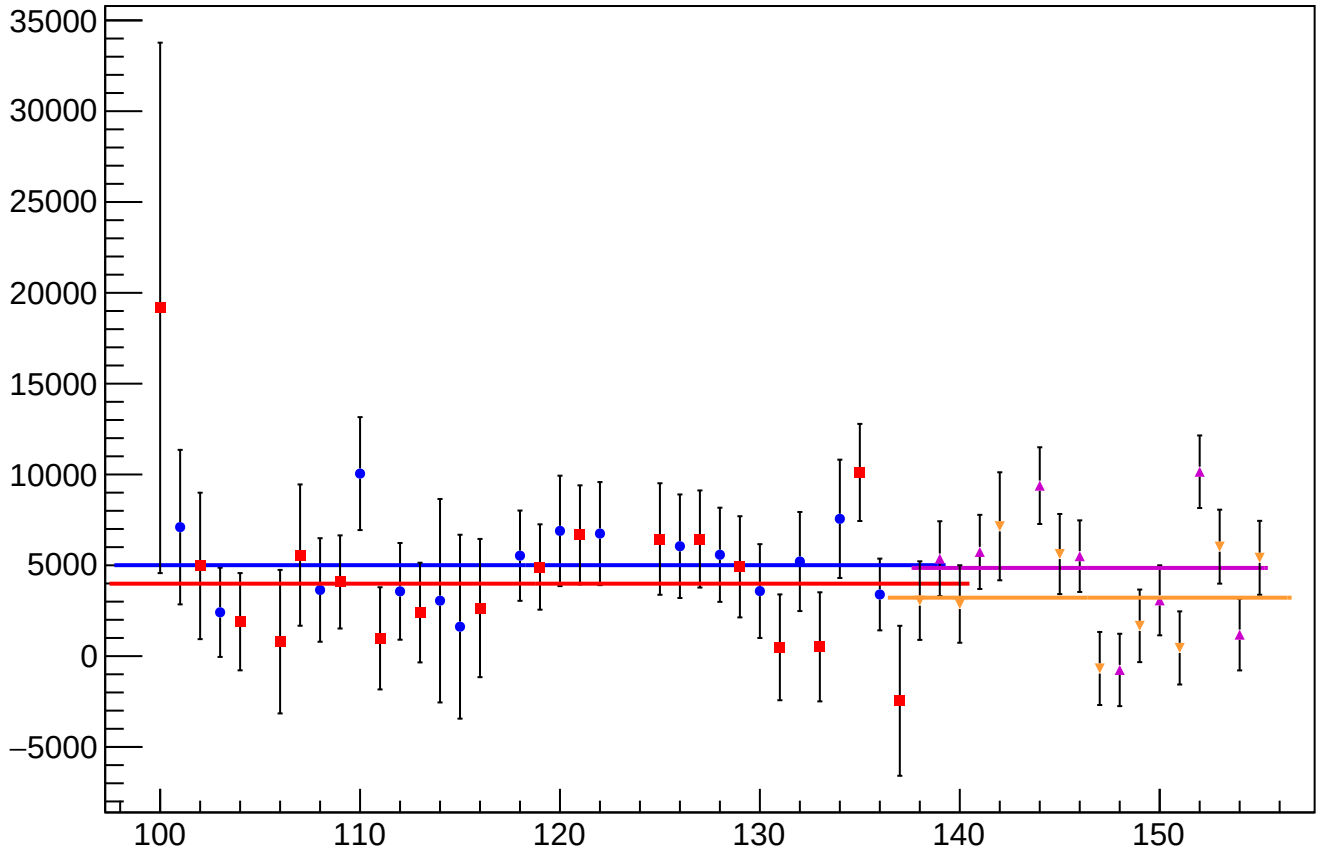
Left: 5758.182+/-1.105 χ^2/NDF: 758973.9/16

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4979.875+/-0.974 χ^2/NDF:2164329.1/23

Out: 4830.644+/-0.953 χ^2/NDF:2470829.6/26

All: 4903.644+/-0.681 χ^2/NDF: 4647154.8/50



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3217.793+/-710.686 χ^2/NDF:12.3/8

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4855.613+/-709.321 χ^2/NDF:24.3/7

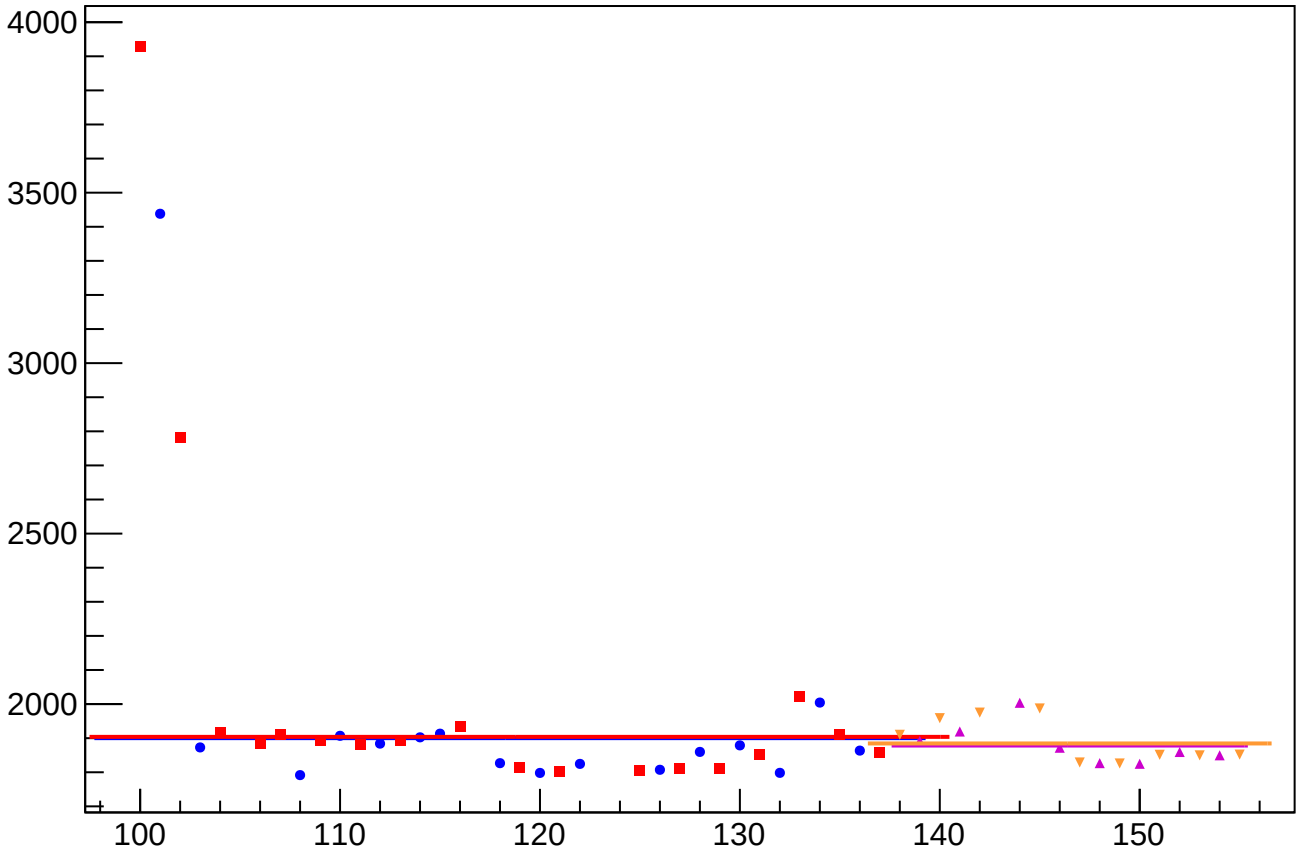
Left: 4038.277+/-502.048 χ^2/NDF: 39.2/16

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4930.959+/-503.233 χ^2/NDF:32.0/23

Out: 3598.994+/-505.453 χ^2/NDF:30.2/26

All: 4267.908+/-356.622 χ^2/NDF: 65.7/50



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1884.509+/-0.503 χ^2/NDF:13793.9/8

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1878.421+/-0.502 χ^2/NDF:11463.3/7

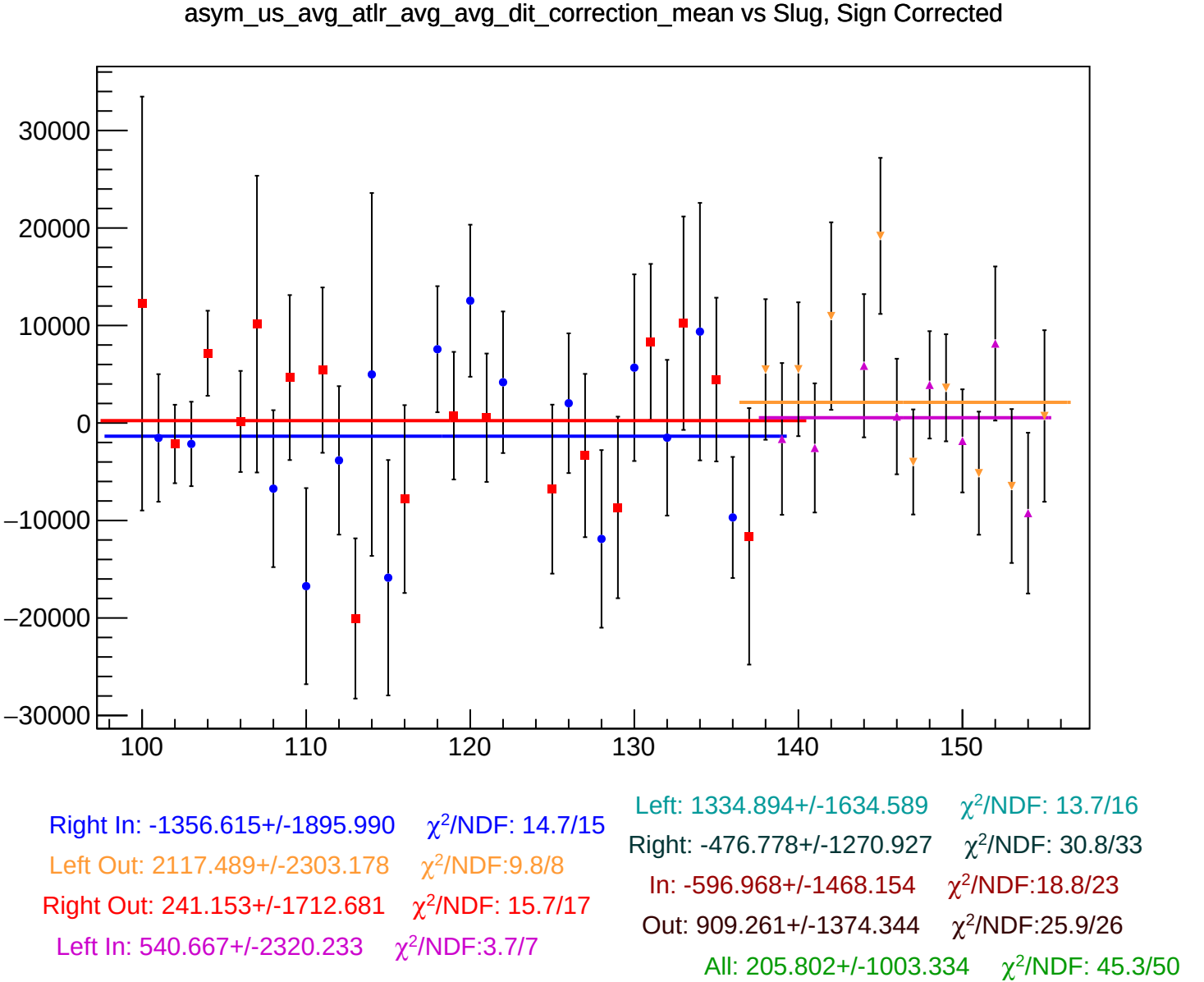
Left: 1881.459+/-0.355 χ^2/NDF: 25330.7/16

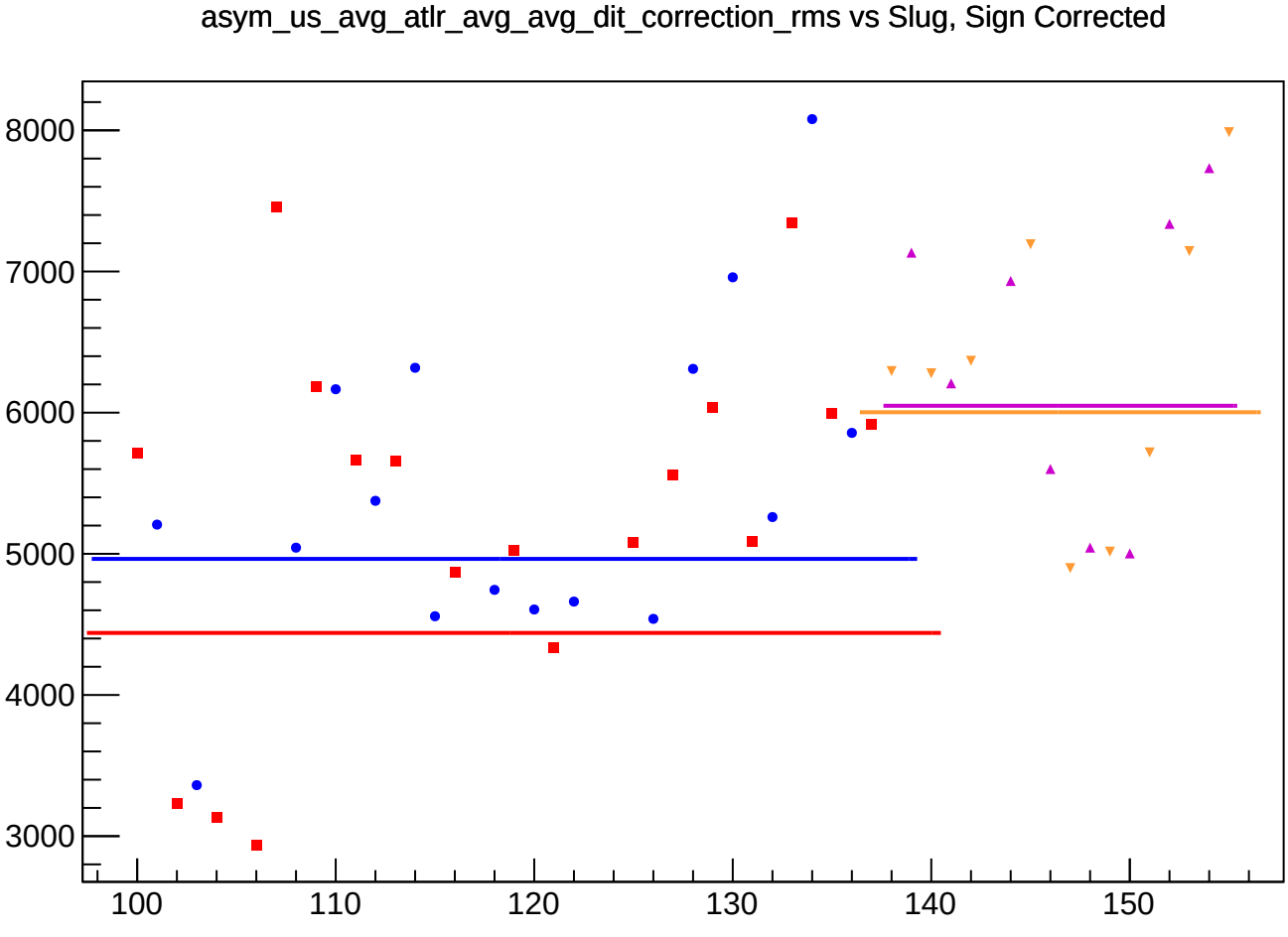
Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1889.194+/-0.356 χ^2/NDF:290840.4/23

Out: 1894.066+/-0.357 χ^2/NDF:164640.8/26

All: 1891.620+/-0.252 χ^2/NDF: 455574.5/50


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: 2117.489+/-2303.178 χ²/NDF:9.8/8
Right Out: 241.153+/-1712.681 χ²/NDF: 15.7/17
Left In: 540.667+/-2320.233 χ²/NDF:3.7/7
Left: 1334.894+/-1634.589 χ²/NDF: 13.7/16
Right: -476.778+/-1270.927 χ²/NDF: 30.8/33
In: -596.968+/-1468.154 χ²/NDF:18.8/23
Out: 909.261+/-1374.344 χ²/NDF:25.9/26
All: 205.802+/-1003.334 χ²/NDF: 45.3/50



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6003.020+/-1.629 χ^2/NDF:349808.4/8

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6048.786+/-1.641 χ^2/NDF:361759.8/7

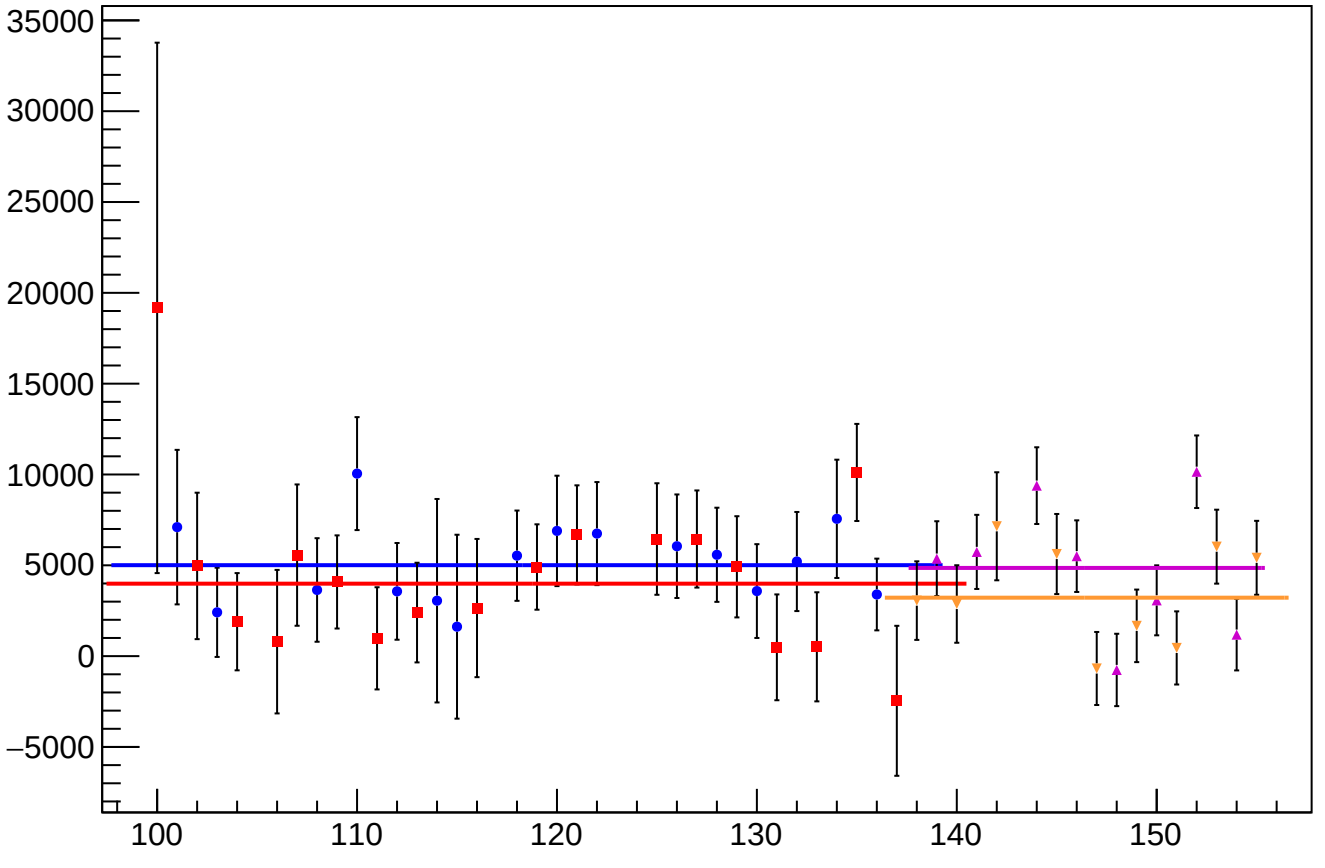
Left: 6025.734+/-1.156 χ^2/NDF: 711960.1/16

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5398.333+/-1.038 χ^2/NDF:1251273.2/23

Out: 4996.336+/-0.972 χ^2/NDF:2101685.0/26

All: 5184.082+/-0.709 χ^2/NDF: 3432874.1/50



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3217.792+/-710.687 χ^2/NDF:12.3/8

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4855.611+/-709.321 χ^2/NDF:24.3/7

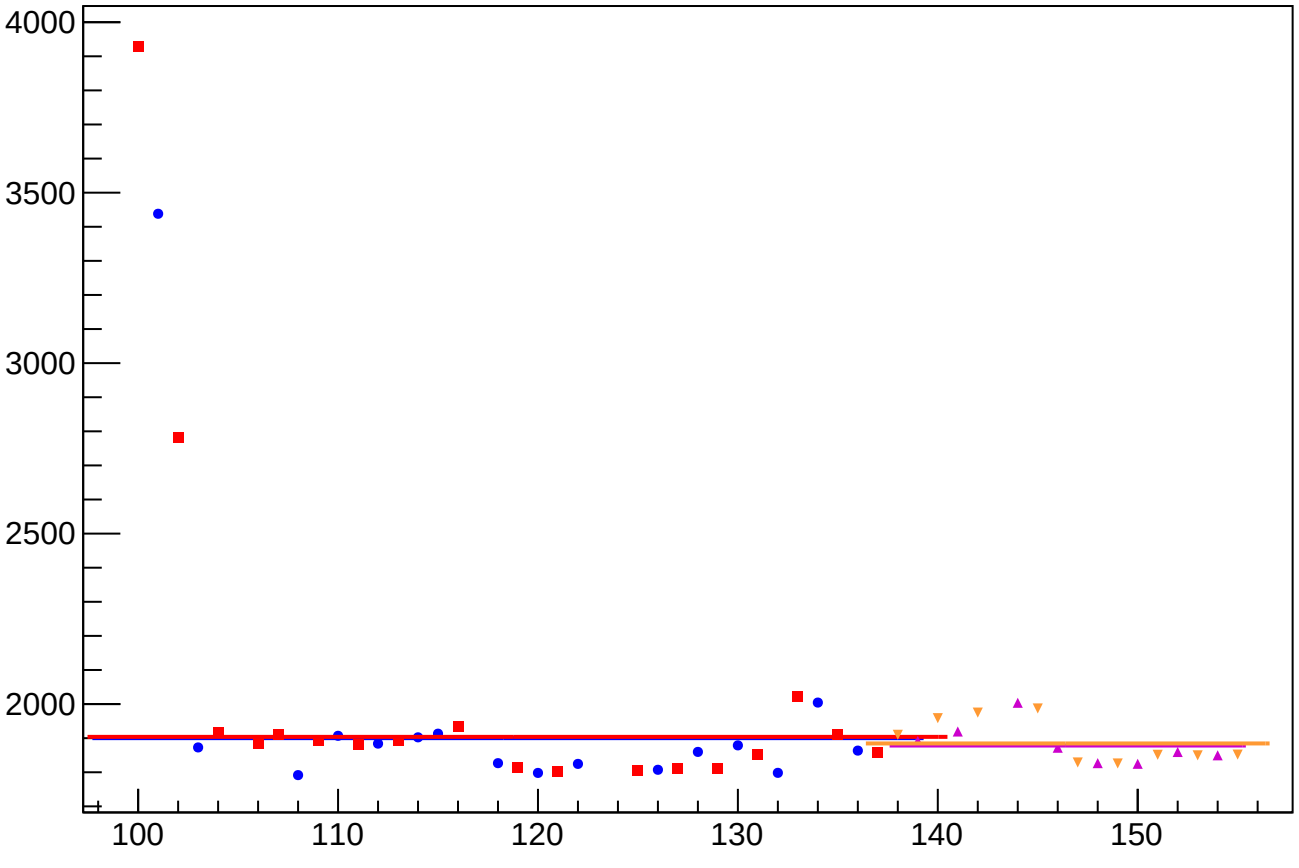
Left: 4038.276+/-502.048 χ^2/NDF: 39.2/16

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4930.957+/-503.233 χ^2/NDF:32.0/23

Out: 3598.994+/-505.453 χ^2/NDF:30.2/26

All: 4267.907+/-356.622 χ^2/NDF: 65.7/50



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1884.510+/-0.503 χ^2/NDF:13794.1/8

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1878.422+/-0.502 χ^2/NDF:11463.4/7

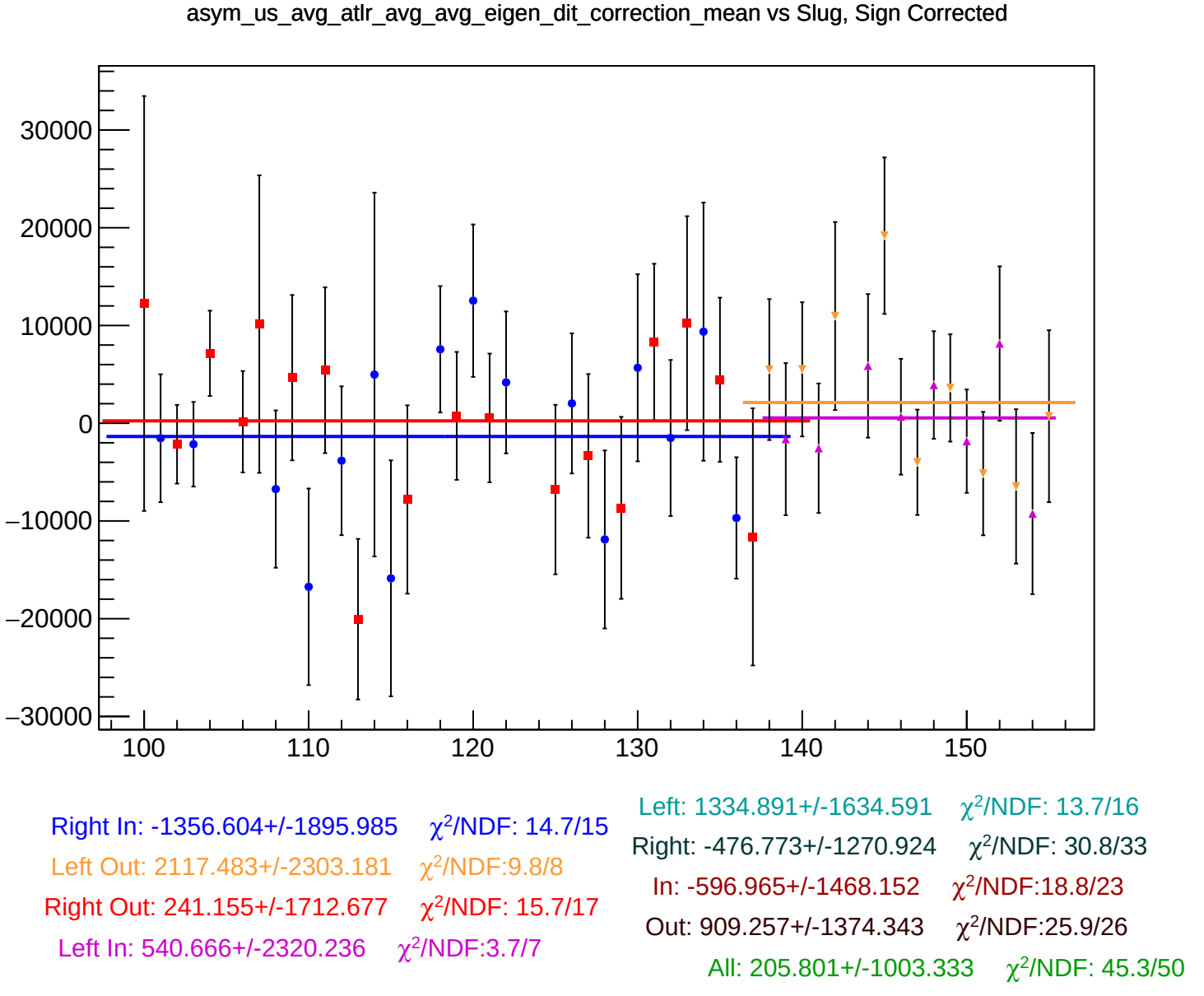
Left: 1881.460+/-0.355 χ^2/NDF: 25331.0/16

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1889.194+/-0.356 χ^2/NDF:290840.6/23

Out: 1894.066+/-0.357 χ^2/NDF:164640.1/26

All: 1891.621+/-0.252 χ^2/NDF: 455574.1/50


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
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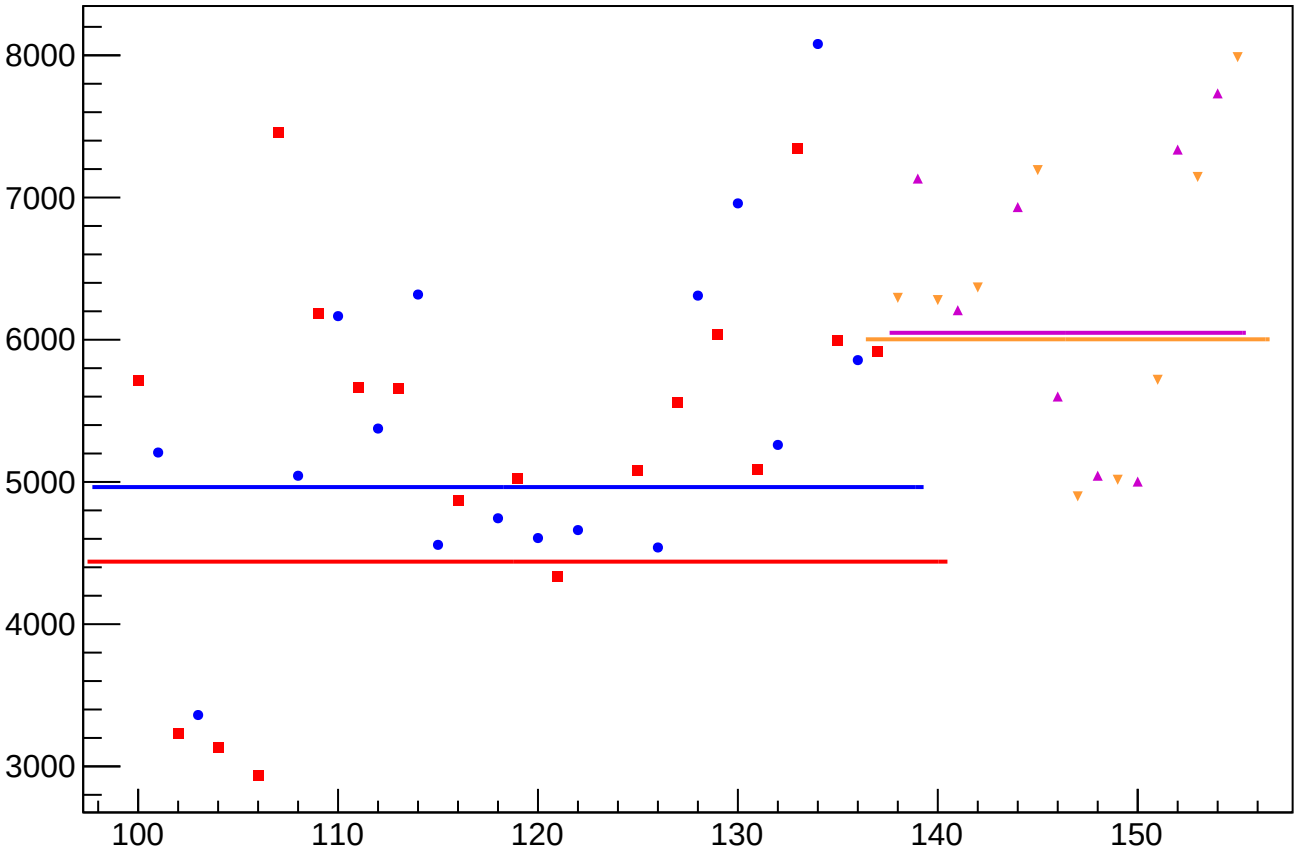
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: 2117.483+/-2303.181 χ²/NDF:9.8/8
Right Out: 241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: 540.666+/-2320.236 χ²/NDF:3.7/7
Left: 1334.891+/-1634.591 χ²/NDF: 13.7/16
Right: -476.773+/-1270.924 χ²/NDF: 30.8/33
In: -596.965+/-1468.152 χ²/NDF:18.8/23
Out: 909.257+/-1374.343 χ²/NDF:25.9/26
All: 205.801+/-1003.333 χ²/NDF: 45.3/50



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6003.028+/-1.629 χ^2/NDF:349809.8/8

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6048.794+/-1.641 χ^2/NDF:361760.4/7

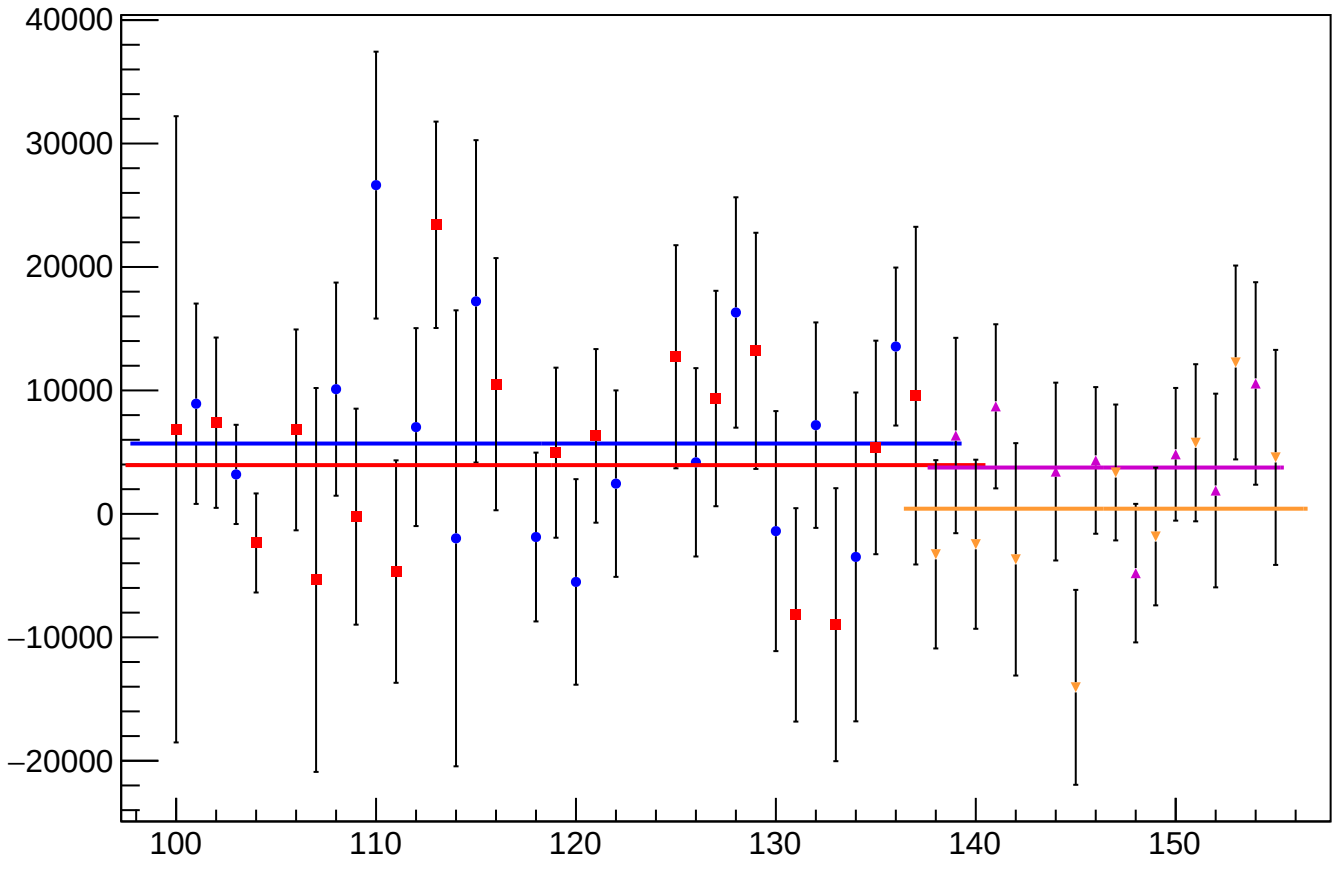
Left: 6025.742+/-1.156 χ^2/NDF: 711962.1/16

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5398.327+/-1.038 χ^2/NDF:1251286.8/23

Out: 4996.329+/-0.972 χ^2/NDF:2101700.7/26

All: 5184.075+/-0.709 χ^2/NDF: 3432903.8/50



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 418.621+/-2324.241 χ^2/NDF:7.6/8

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 3753.892+/-2333.036 χ^2/NDF:3.8/7

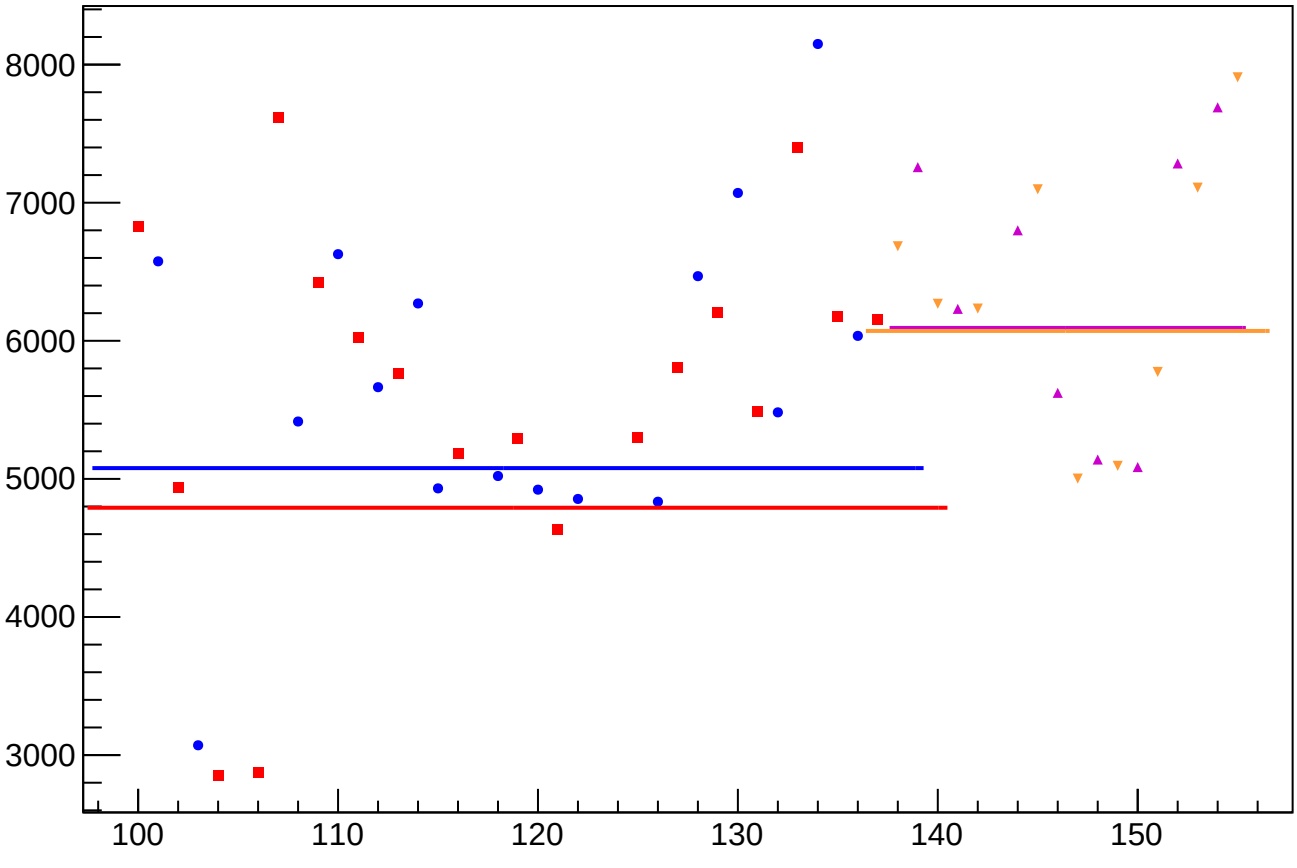
Left: 2079.958+/-1646.587 χ^2/NDF: 12.4/16

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4893.530+/-1500.349 χ^2/NDF:16.8/23

Out: 2516.755+/-1480.521 χ^2/NDF:25.1/26

All: 3689.333+/-1053.827 χ^2/NDF: 43.2/50



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6071.467+/-1.643 χ^2/NDF:313974.0/8

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6093.097+/-1.650 χ^2/NDF:325884.2/7

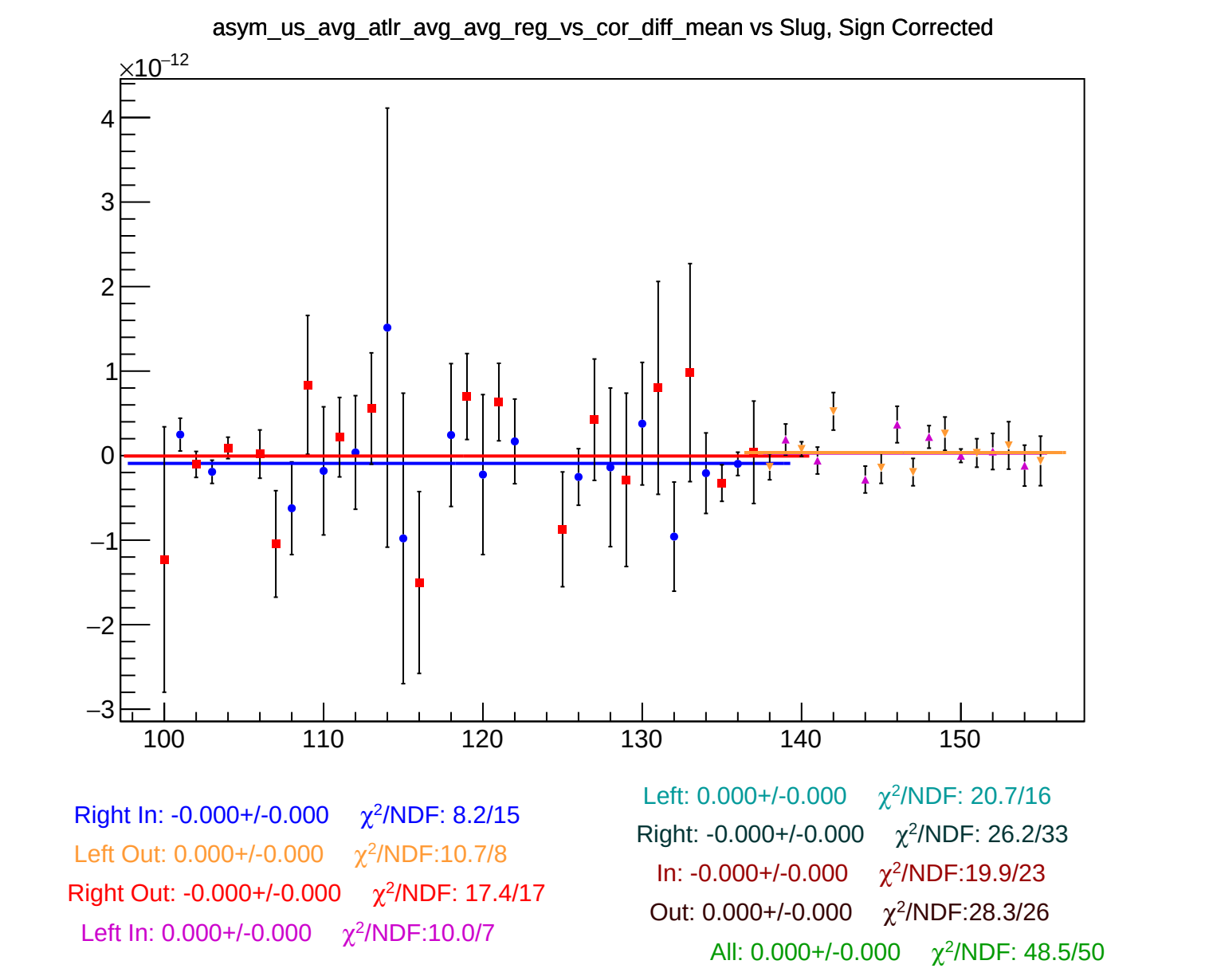
Left: 6082.241+/-1.164 χ^2/NDF: 639944.5/16

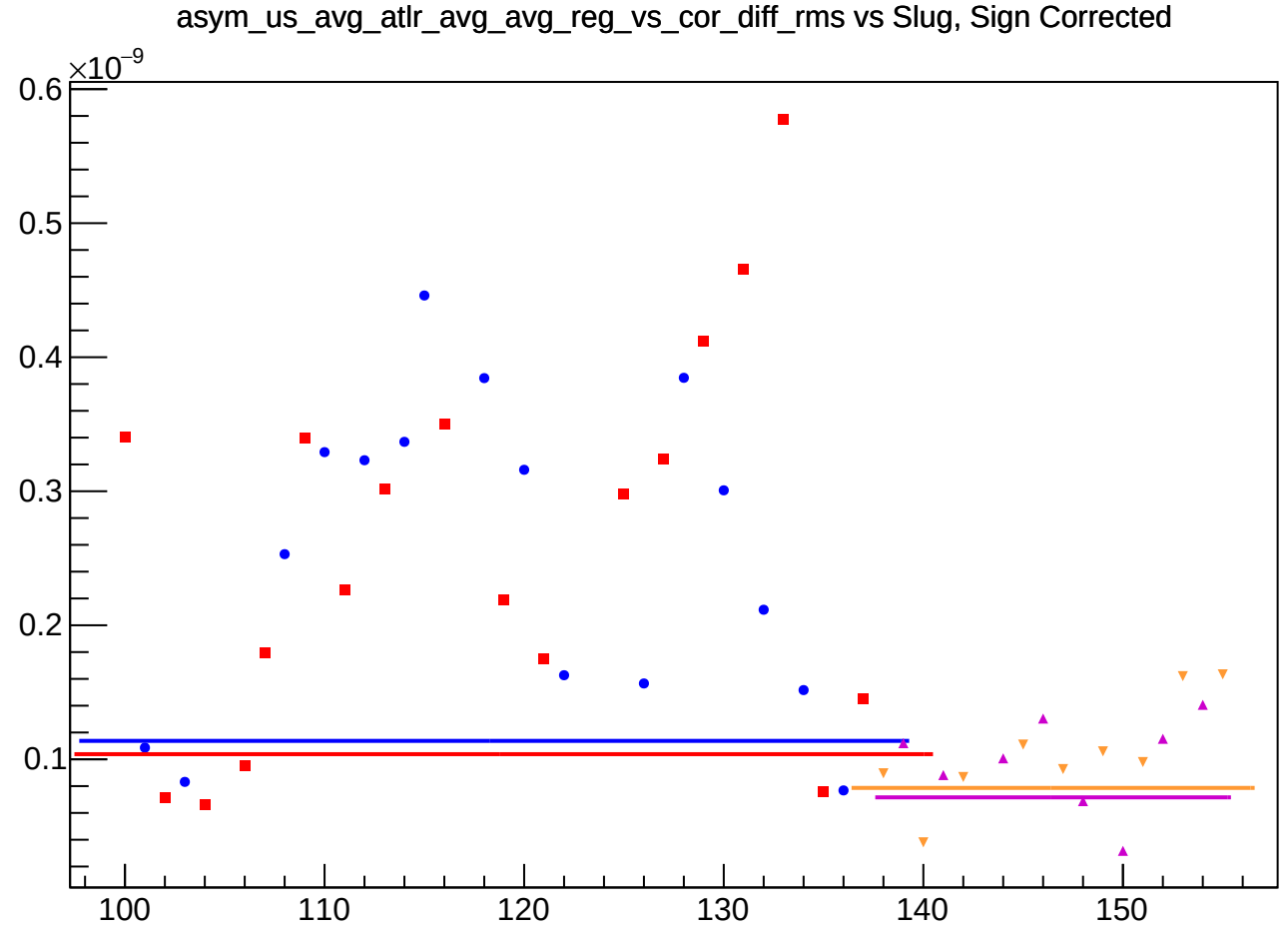
Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5497.891+/-1.061 χ^2/NDF:1467064.3/23

Out: 5298.139+/-1.034 χ^2/NDF:1842991.8/26

All: 5395.470+/-0.741 χ^2/NDF: 3328233.5/50


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:10.7/8
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:10.0/7
Left: 0.000+/-0.000 χ²/NDF: 20.7/16
Right: -0.000+/-0.000 χ²/NDF: 26.2/33
In: -0.000+/-0.000 χ²/NDF:19.9/23
Out: 0.000+/-0.000 χ²/NDF:28.3/26
All: 0.000+/-0.000 χ²/NDF: 48.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:944946.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1080877.8/7

Left: 0.000+/-0.000 χ^2/NDF: 2044020.9/16

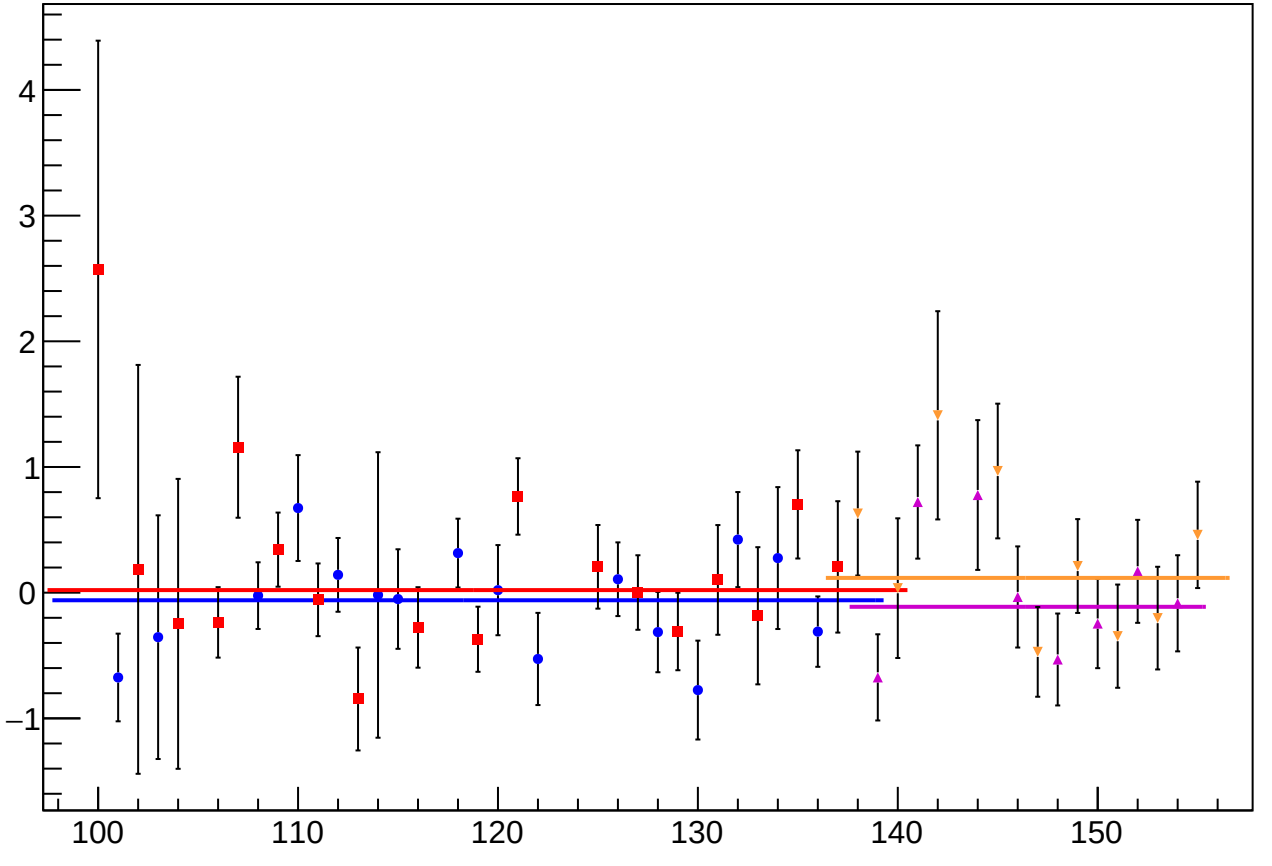
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3015252.7/23

Out: 0.000+/-0.000 χ^2/NDF:3176449.6/26

All: 0.000+/-0.000 χ^2/NDF: 6195012.3/50

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: 0.118+/-0.149 χ^2/NDF:11.4/8

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.112+/-0.141 χ^2/NDF:10.3/7

Left: -0.004+/-0.102 χ^2/NDF: 22.9/16

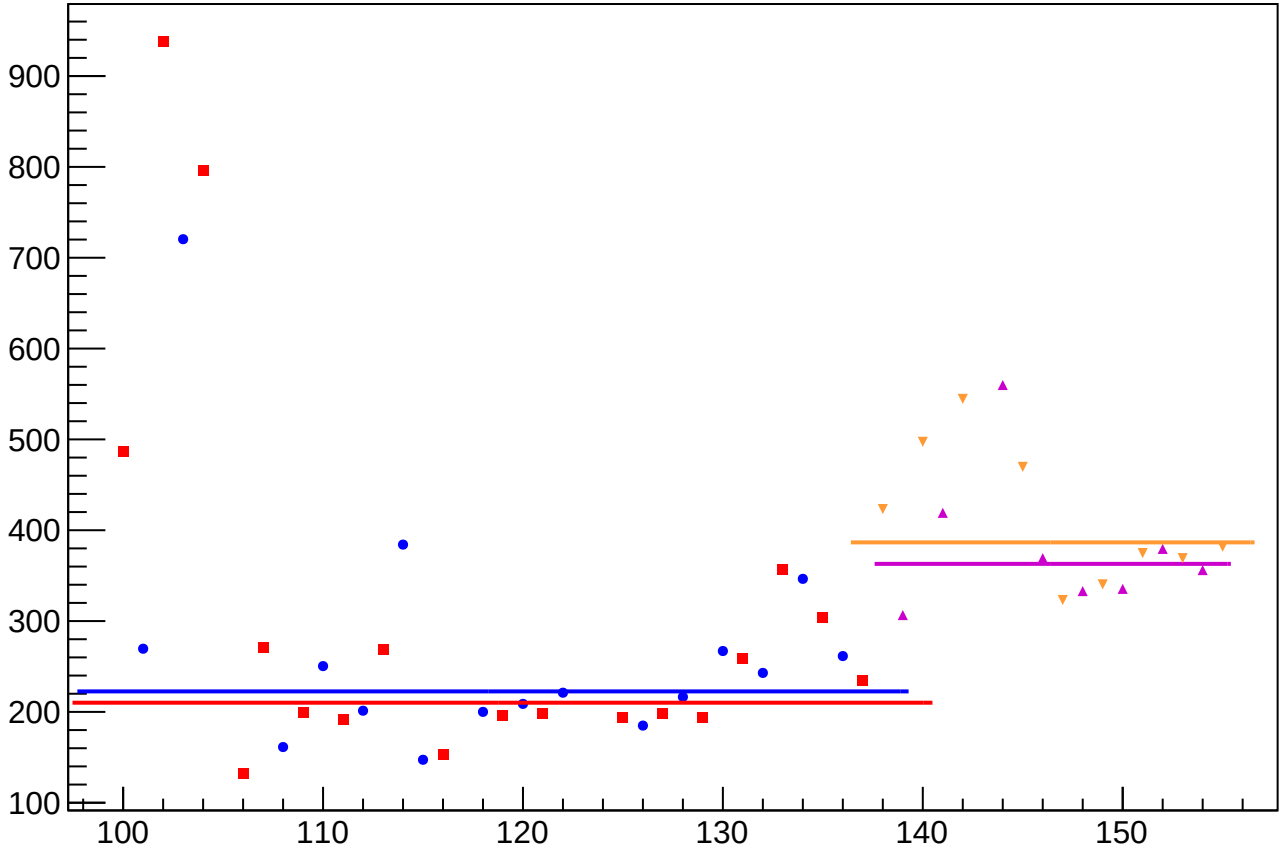
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.075 χ^2/NDF:27.7/23

Out: 0.045+/-0.075 χ^2/NDF:37.8/26

All: -0.015+/-0.053 χ^2/NDF: 66.8/50

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: 386.612+/-0.106 χ^2/NDF:310587.7/8

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 362.976+/-0.099 χ^2/NDF:333398.1/7

Left: 374.074+/-0.072 χ^2/NDF: 670549.6/16

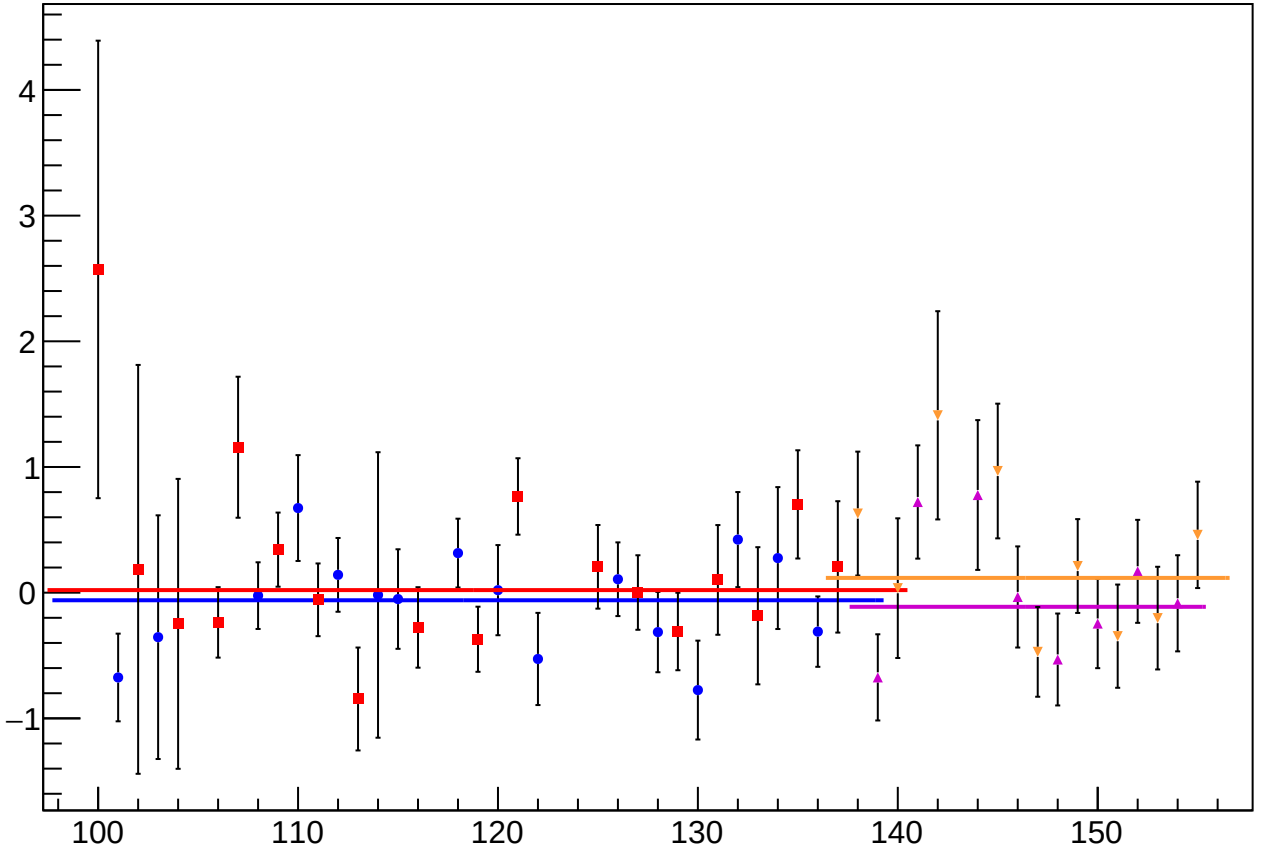
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 262.541+/-0.053 χ^2/NDF:2780212.4/23

Out: 255.156+/-0.053 χ^2/NDF:3938664.8/26

All: 258.872+/-0.038 χ^2/NDF: 6728514.6/50

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+/-0.149 χ^2/NDF:11.4/8

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.112+/-0.141 χ^2/NDF:10.3/7

Left: -0.004+/-0.102 χ^2/NDF: 22.9/16

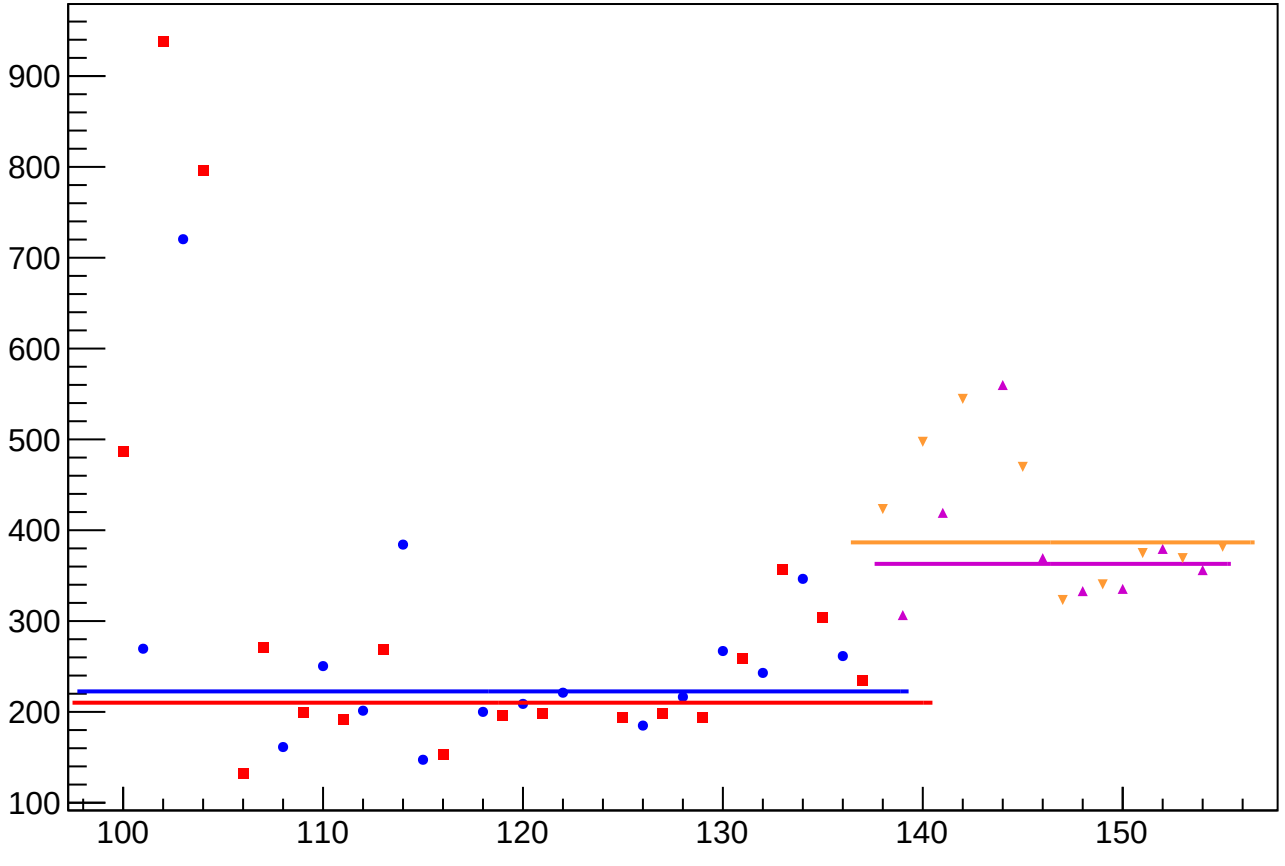
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.075 χ^2/NDF:27.7/23

Out: 0.045+/-0.075 χ^2/NDF:37.8/26

All: -0.015+/-0.053 χ^2/NDF: 66.8/50

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: 386.612+/-0.106 χ^2/NDF:310587.7/8

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 362.976+/-0.099 χ^2/NDF:333398.1/7

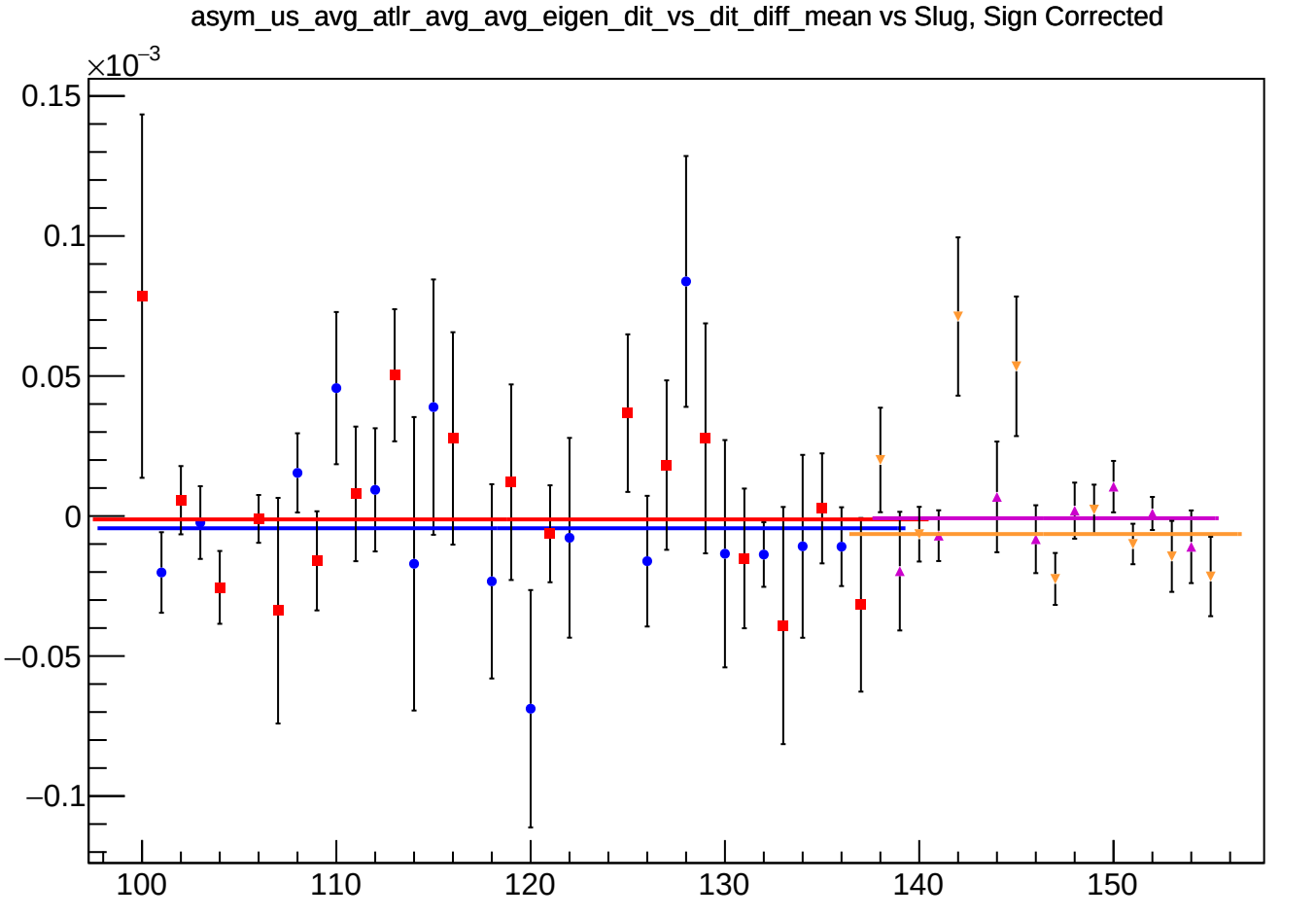
Left: 374.074+/-0.072 χ^2/NDF: 670549.6/16

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

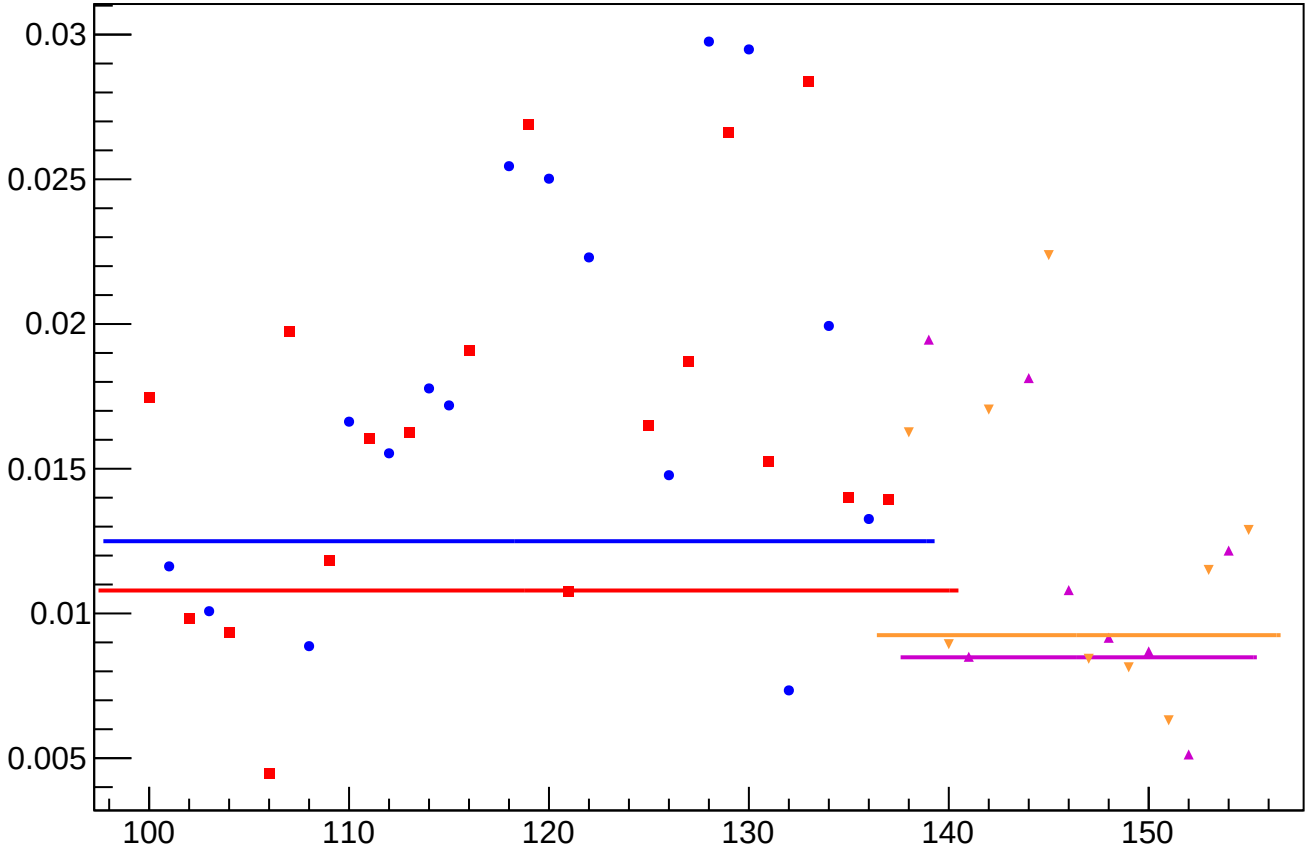
In: 262.541+/-0.053 χ^2/NDF:2780212.4/23

Out: 255.156+/-0.053 χ^2/NDF:3938664.8/26

All: 258.872+/-0.038 χ^2/NDF: 6728514.6/50


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.6/15
Left Out: -0.000+/-0.000 χ²/NDF:21.1/8
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: -0.000+/-0.000 χ²/NDF:4.1/7
Left: -0.000+/-0.000 χ²/NDF: 26.3/16
Right: -0.000+/-0.000 χ²/NDF: 33.1/33
In: -0.000+/-0.000 χ²/NDF:20.1/23
Out: -0.000+/-0.000 χ²/NDF:39.1/26
All: -0.000+/-0.000 χ²/NDF: 59.5/50

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1563517.5/8

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:1904097.5/7

Left: 0.009+/-0.000 χ^2/NDF: 3511582.9/16

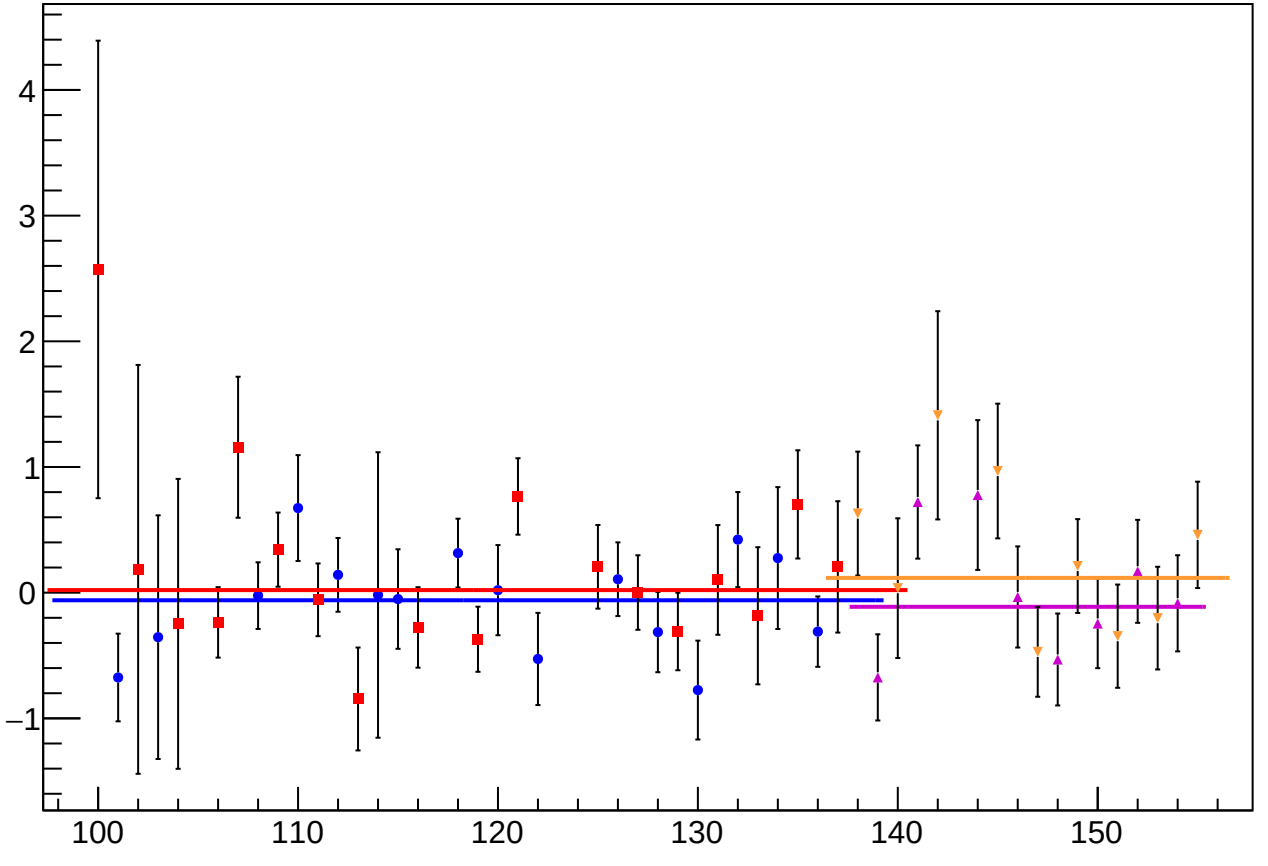
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.010+/-0.000 χ^2/NDF:4858483.9/23

Out: 0.010+/-0.000 χ^2/NDF:4686803.4/26

All: 0.010+/-0.000 χ^2/NDF: 9546050.7/50

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+/-0.149 χ^2/NDF:11.4/8

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.112+/-0.141 χ^2/NDF:10.3/7

Left: -0.004+/-0.102 χ^2/NDF: 22.9/16

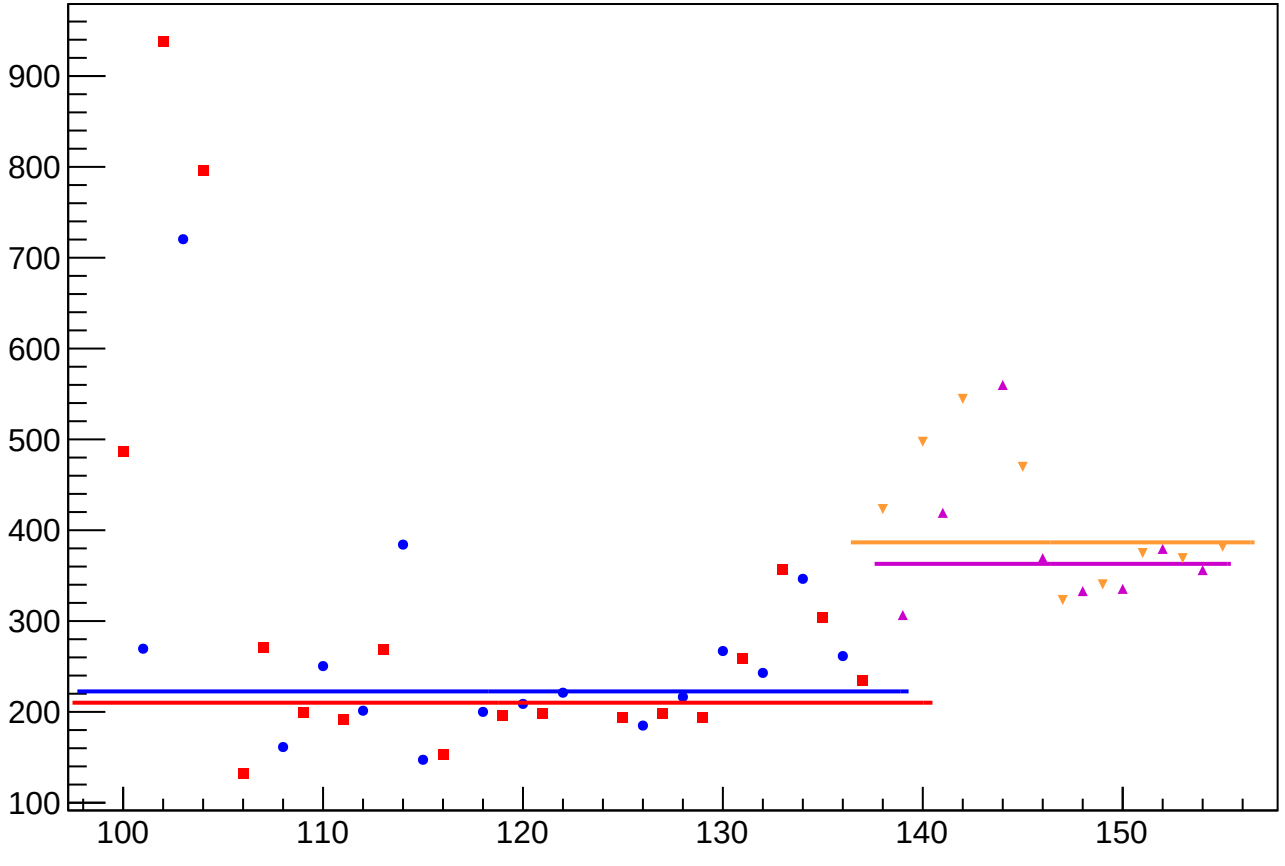
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.075 χ^2/NDF:27.7/23

Out: 0.045+/-0.075 χ^2/NDF:37.8/26

All: -0.015+/-0.053 χ^2/NDF: 66.8/50

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: 386.617+/-0.106 χ^2/NDF:310586.7/8

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 362.981+/-0.099 χ^2/NDF:333388.7/7

Left: 374.079+/-0.072 χ^2/NDF: 670537.5/16

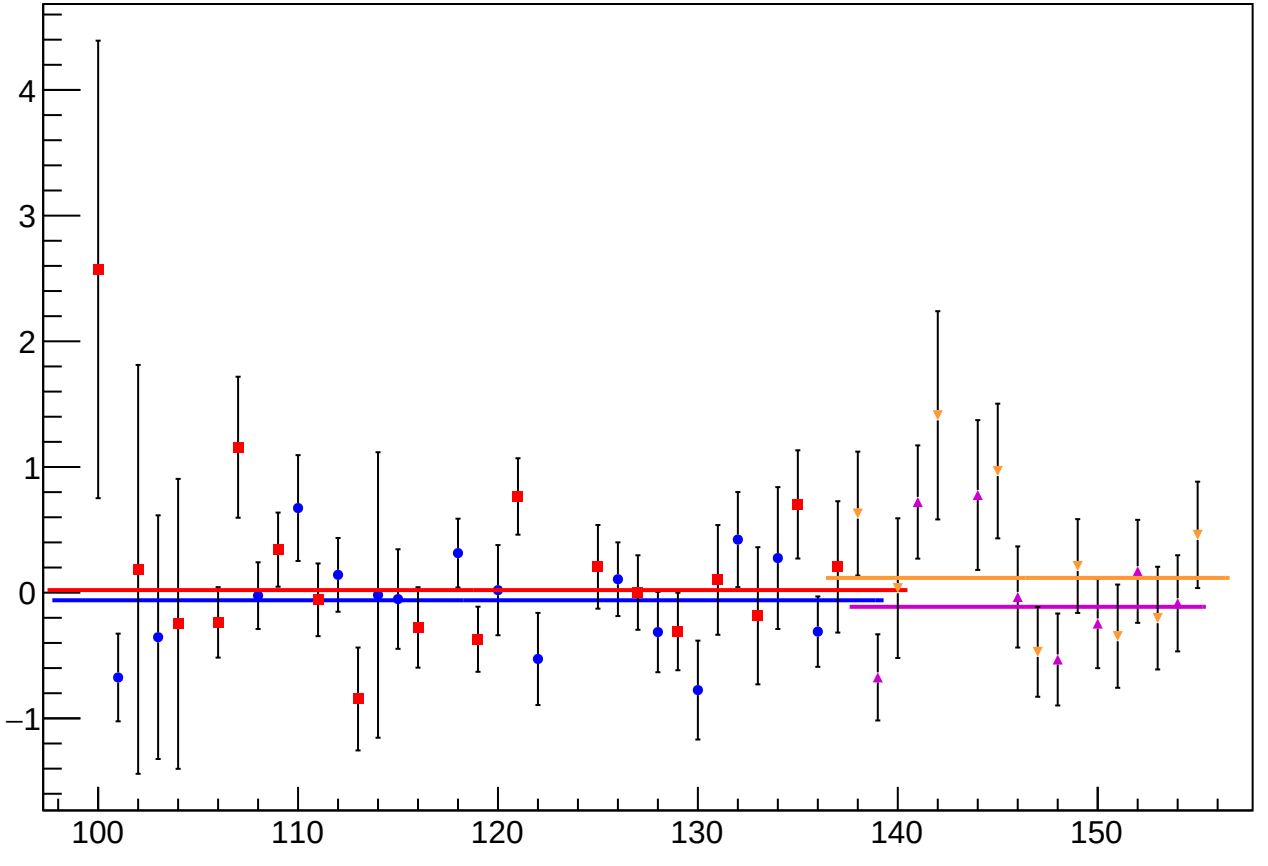
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 262.540+/-0.053 χ^2/NDF:2780309.3/23

Out: 255.154+/-0.053 χ^2/NDF:3938794.9/26

All: 258.870+/-0.038 χ^2/NDF: 6728745.1/50

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+/-0.149 χ^2/NDF:11.4/8

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.112+/-0.141 χ^2/NDF:10.3/7

Left: -0.004+/-0.102 χ^2/NDF: 22.9/16

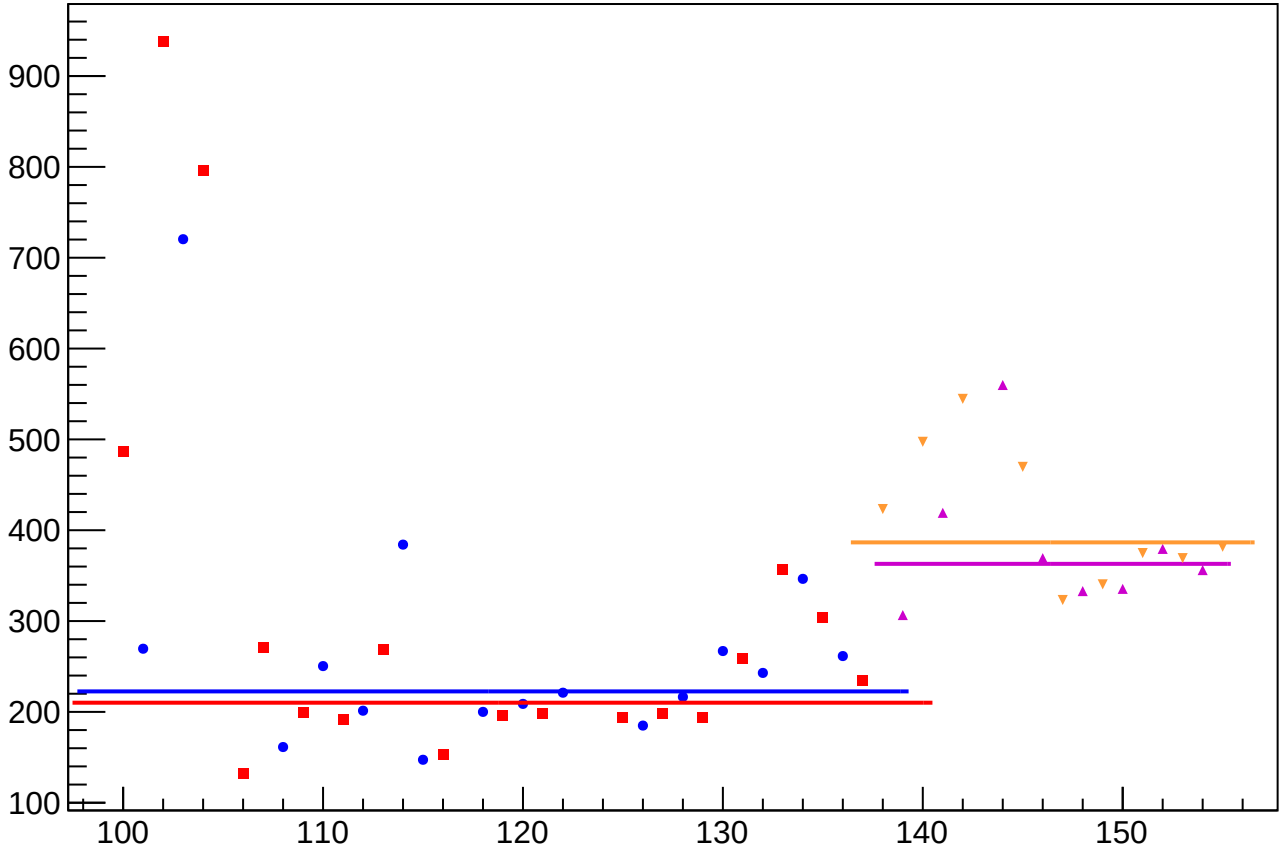
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.075 χ^2/NDF:27.7/23

Out: 0.045+/-0.075 χ^2/NDF:37.8/26

All: -0.015+/-0.053 χ^2/NDF: 66.8/50

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: 386.617+/-0.106 χ^2/NDF:310586.7/8

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 362.981+/-0.099 χ^2/NDF:333388.7/7

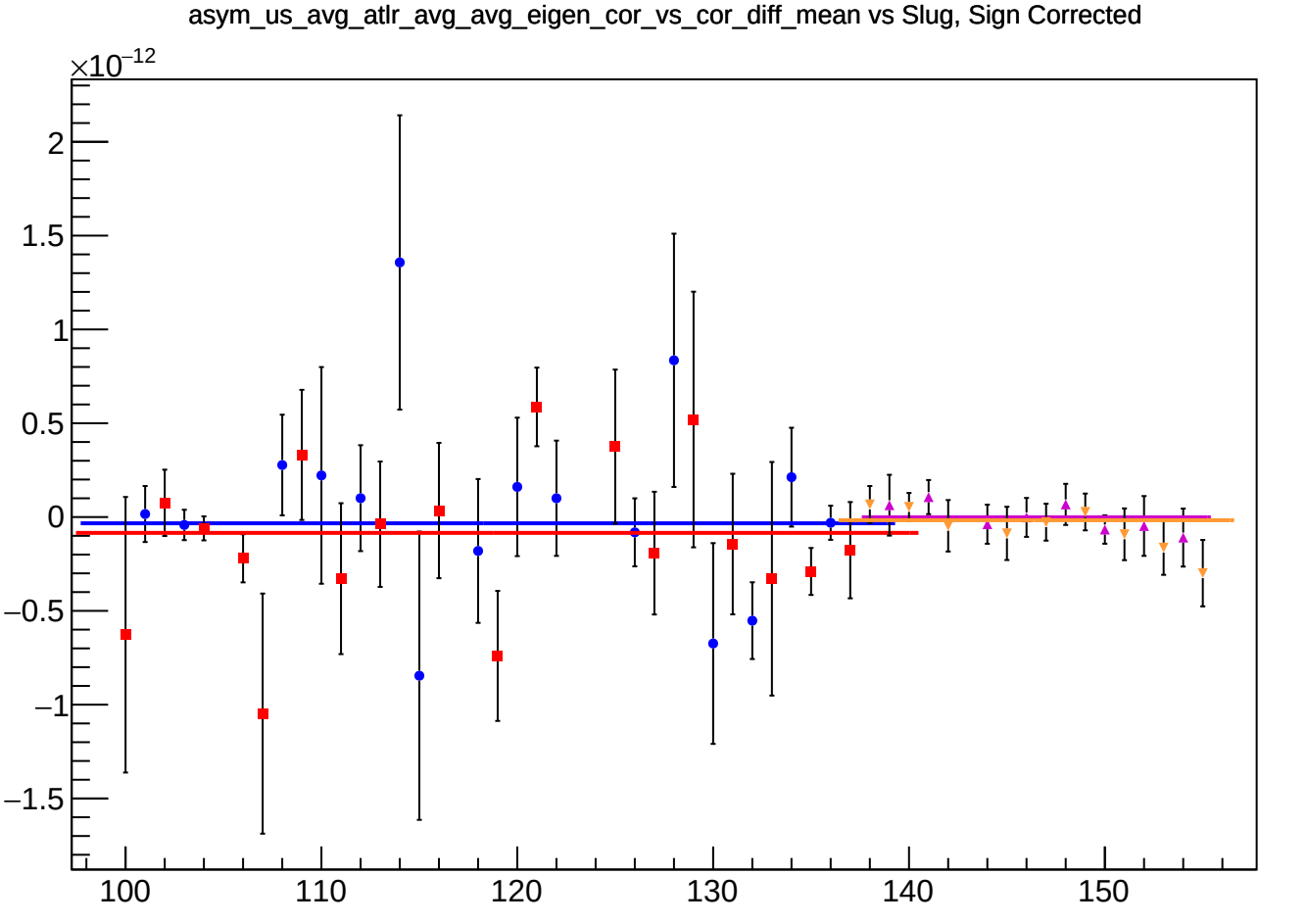
Left: 374.079+/-0.072 χ^2/NDF: 670537.5/16

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 262.540+/-0.053 χ^2/NDF:2780309.3/23

Out: 255.154+/-0.053 χ^2/NDF:3938794.9/26

All: 258.870+/-0.038 χ^2/NDF: 6728745.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/8

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:3.4/7

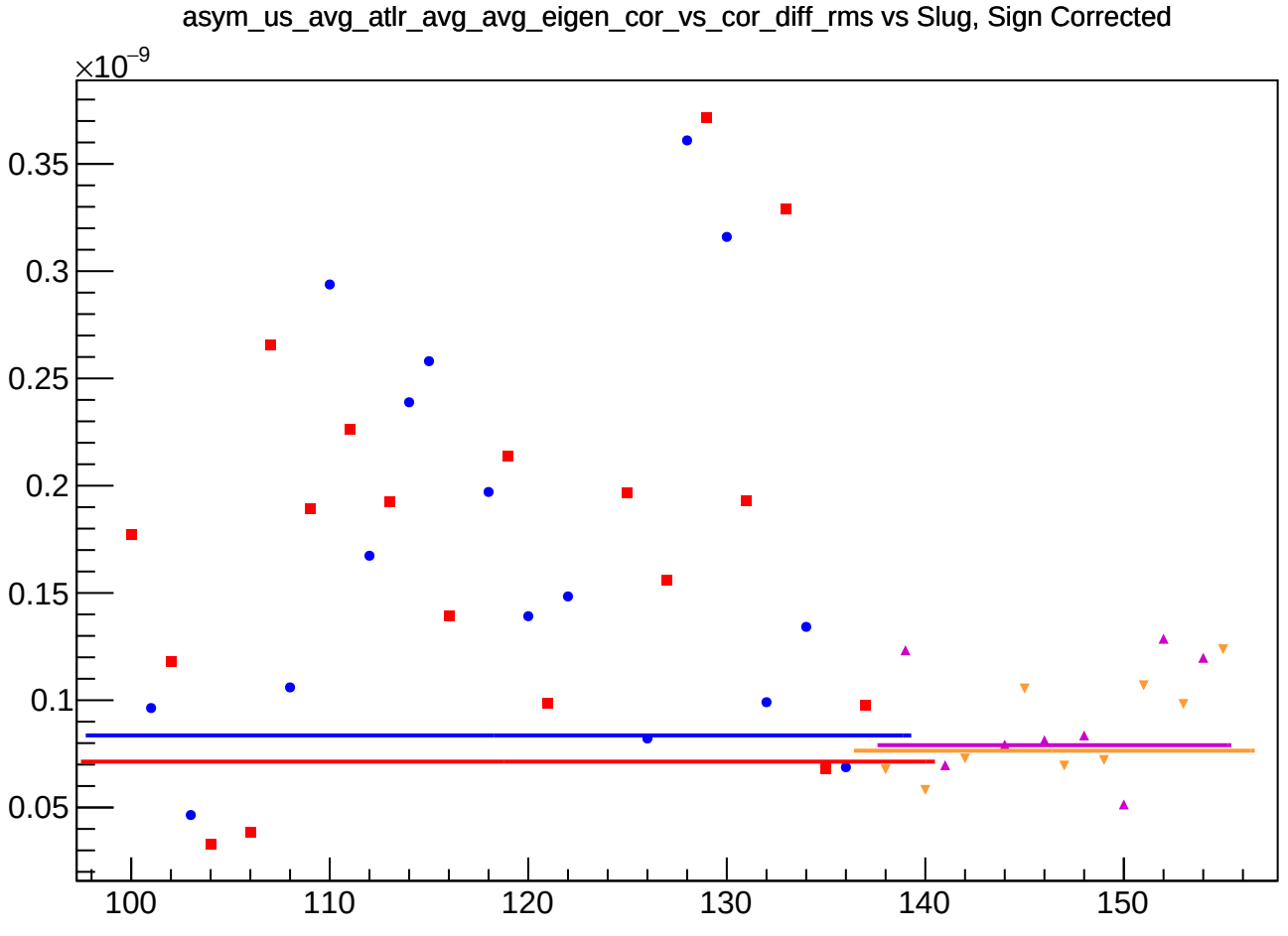
Left: -0.000+/-0.000 χ^2/NDF: 9.5/16

Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:20.9/23

Out: -0.000+/-0.000 χ^2/NDF:33.2/26

All: -0.000+/-0.000 χ^2/NDF: 54.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 2235431.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:520800.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3745180.4/17

Left In: 0.000+/-0.000 χ^2/NDF:775238.3/7

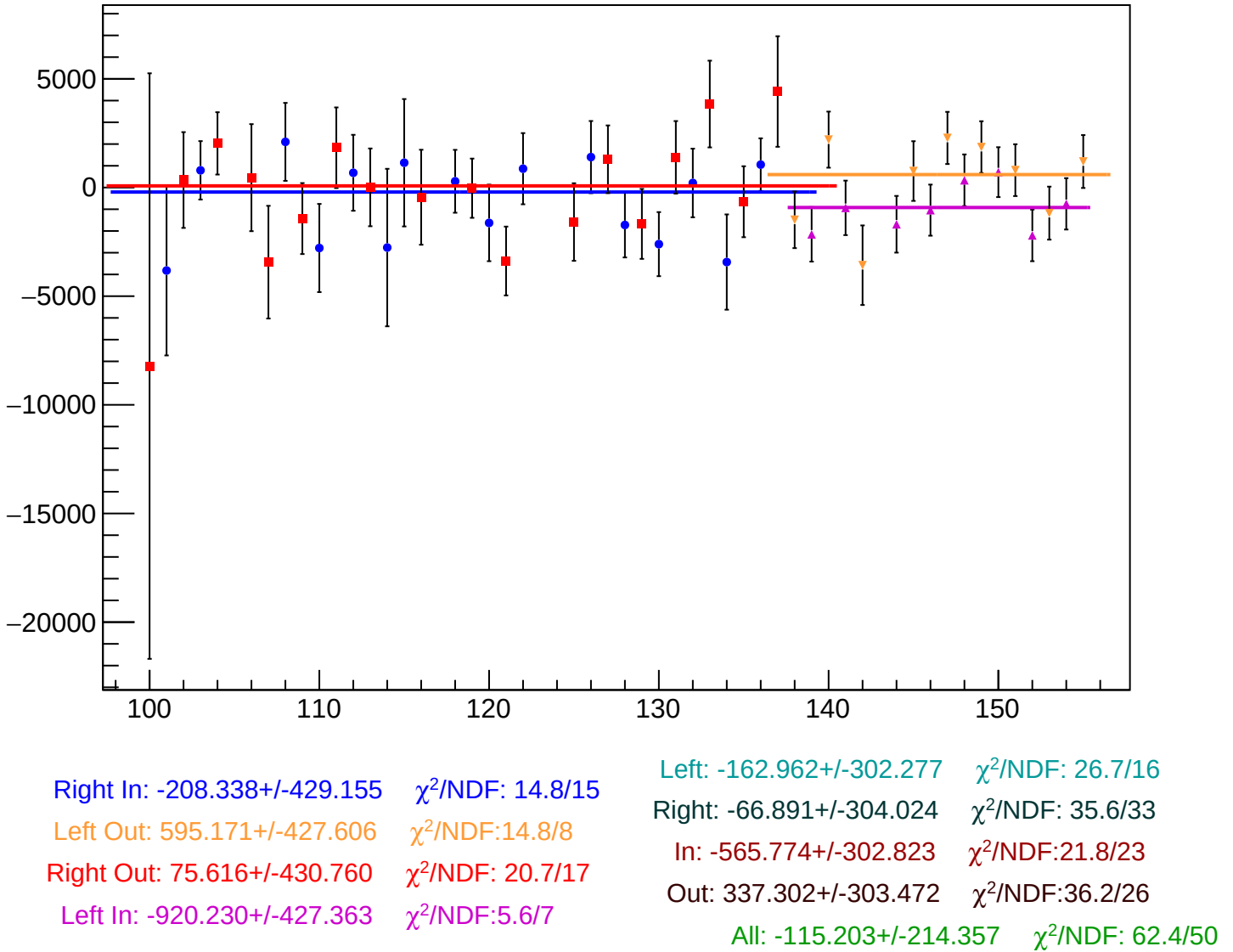
Left: 0.000+/-0.000 χ^2/NDF: 1300698.3/16

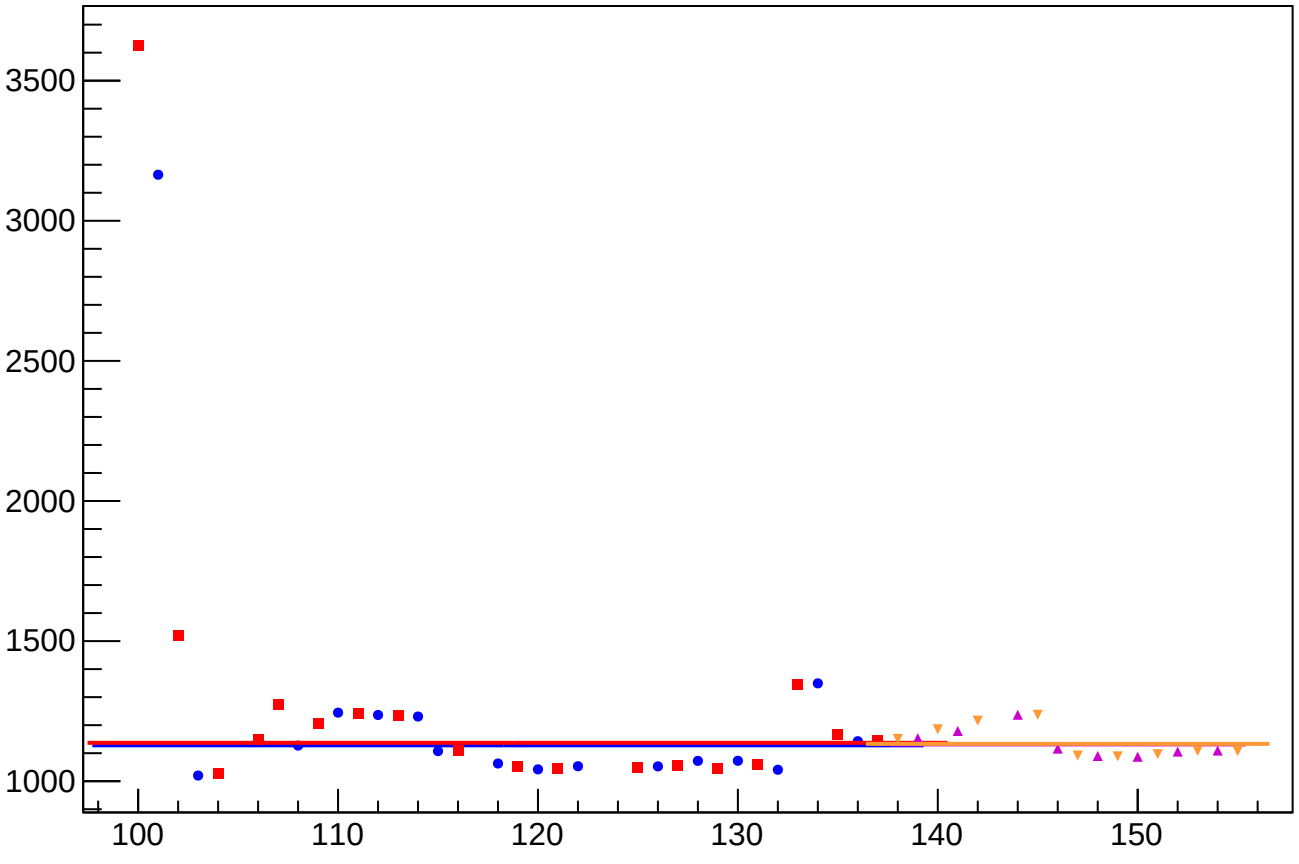
Right: 0.000+/-0.000 χ^2/NDF: 6051897.3/33

In: 0.000+/-0.000 χ^2/NDF:3021898.7/23

Out: 0.000+/-0.000 χ^2/NDF:4281506.7/26

All: 0.000+/-0.000 χ^2/NDF: 7353018.0/50


reg_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: -208.338+/-429.155 χ²/NDF: 14.8/15
Left Out: 595.171+/-427.606 χ²/NDF:14.8/8
Right Out: 75.616+/-430.760 χ²/NDF: 20.7/17
Left In: -920.230+/-427.363 χ²/NDF:5.6/7
Left: -162.962+/-302.277 χ²/NDF: 26.7/16
Right: -66.891+/-304.024 χ²/NDF: 35.6/33
In: -565.774+/-302.823 χ²/NDF:21.8/23
Out: 337.302+/-303.472 χ²/NDF:36.2/26
All: -115.203+/-214.357 χ²/NDF: 62.4/50



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1133.313+/-0.302 χ^2/NDF:27994.7/8

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1131.335+/-0.302 χ^2/NDF:24044.7/7

Left: 1132.323+/-0.214 χ^2/NDF: 52060.8/16

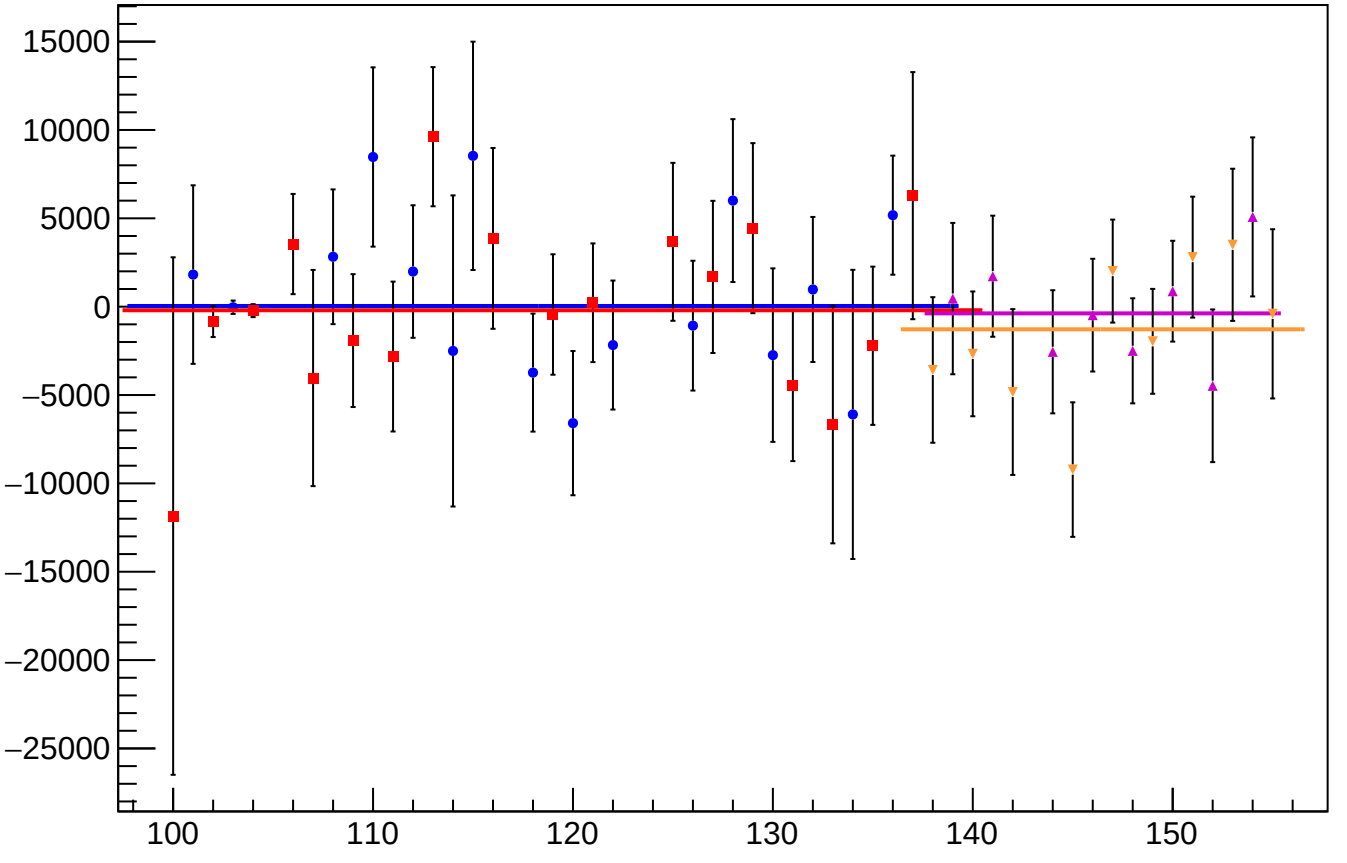
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1129.678+/-0.214 χ^2/NDF:645499.6/23

Out: 1135.167+/-0.214 χ^2/NDF:248156.4/26

All: 1132.419+/-0.152 χ^2/NDF: 893984.2/50

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -1280.954+/-1223.718 χ^2/NDF:9.4/8

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -378.854+/-1231.461 χ^2/NDF:3.9/7

Left: -832.748+/-868.024 χ^2/NDF: 13.6/16

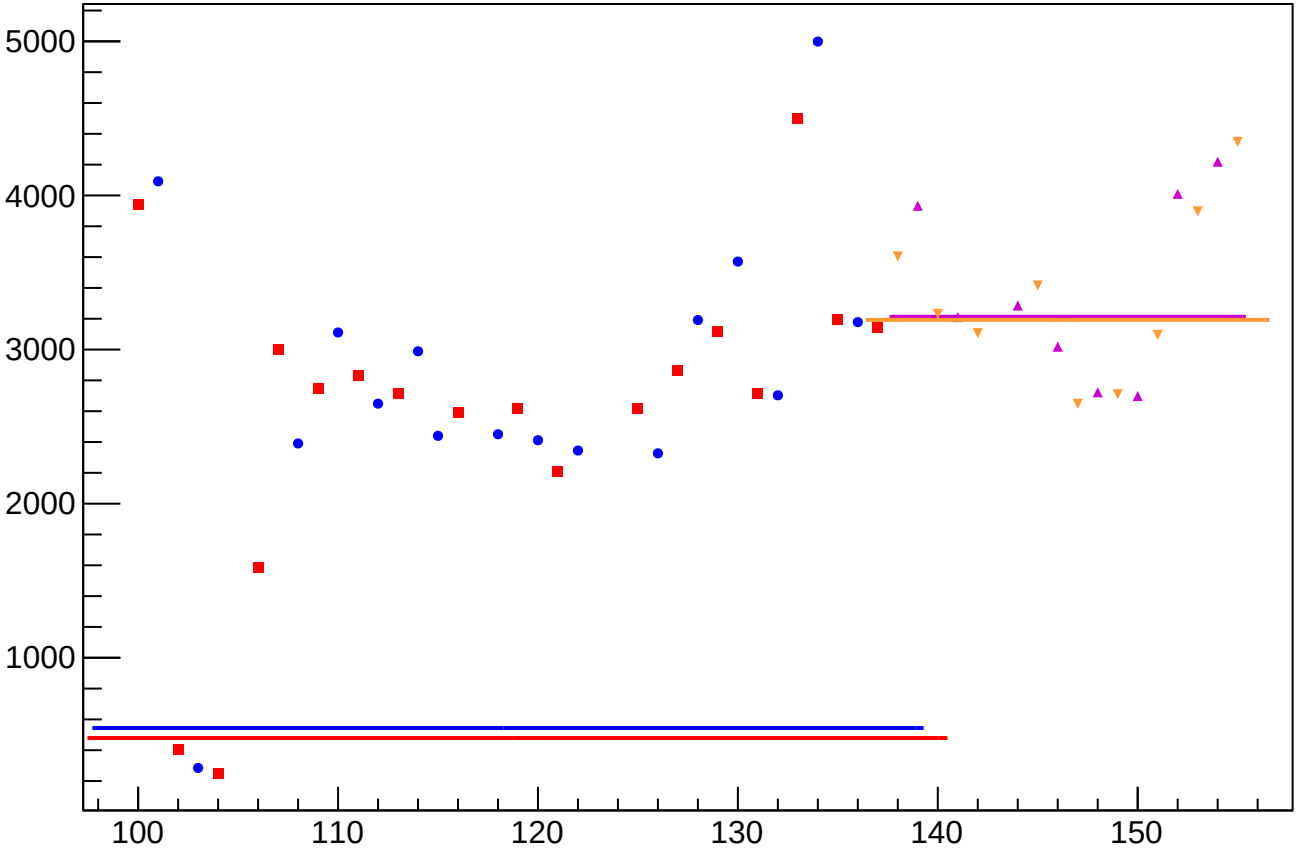
Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: 5.851+/-343.459 χ^2/NDF:18.8/23

Out: -271.754+/-311.893 χ^2/NDF:25.8/26

All: -146.292+/-230.897 χ^2/NDF: 45.0/50

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: 3192.591+/-0.865 χ^2/NDF:321900.4/8

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3212.553+/-0.871 χ^2/NDF:352411.9/7

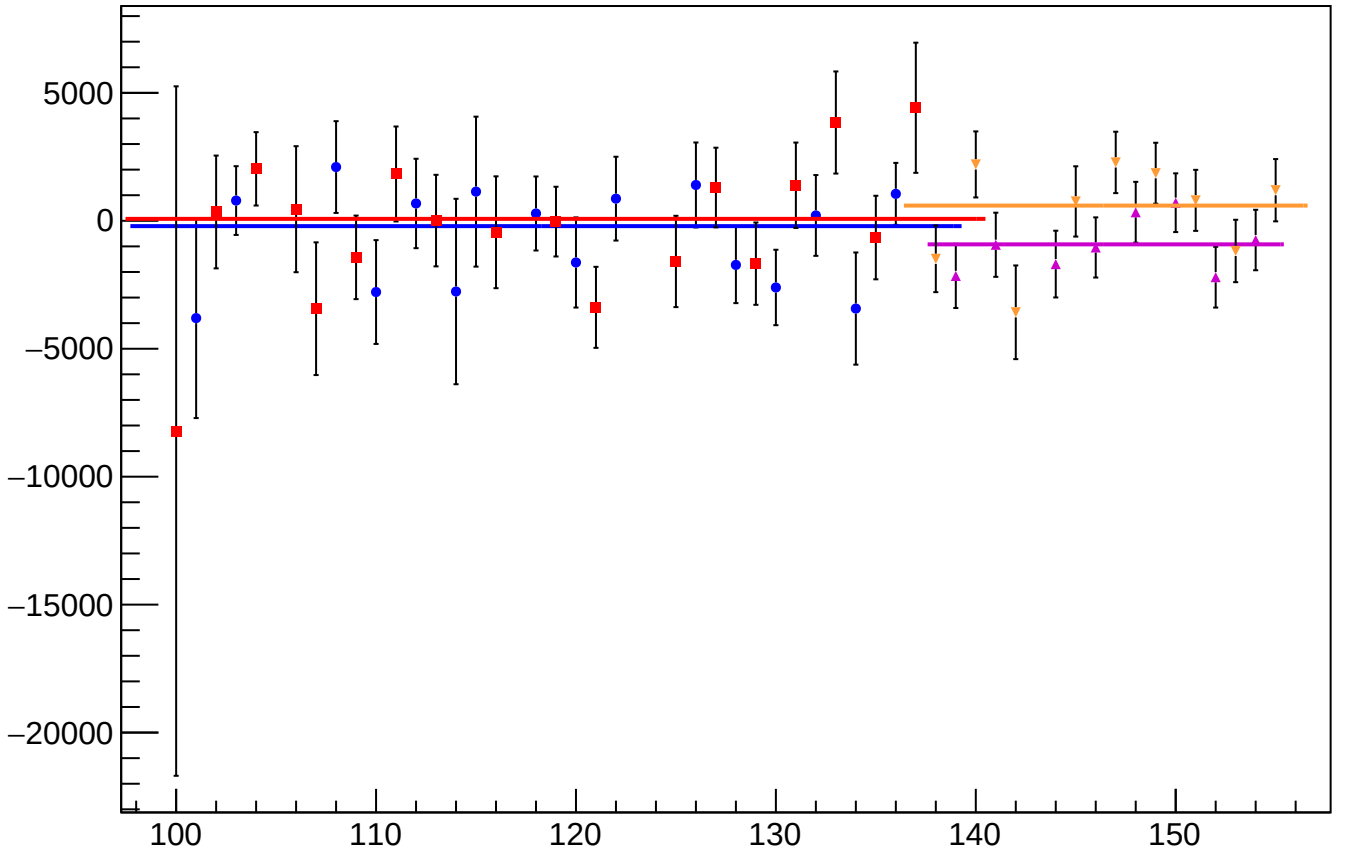
Left: 3202.509+/-0.614 χ^2/NDF: 674576.7/16

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 751.890+/-0.243 χ^2/NDF:18694273.9/23

Out: 655.512+/-0.221 χ^2/NDF:18703899.8/26

All: 699.069+/-0.163 χ^2/NDF: 37484483.2/50



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 595.195+/-427.606 χ^2/NDF:14.8/8

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -920.306+/-427.363 χ^2/NDF:5.6/7

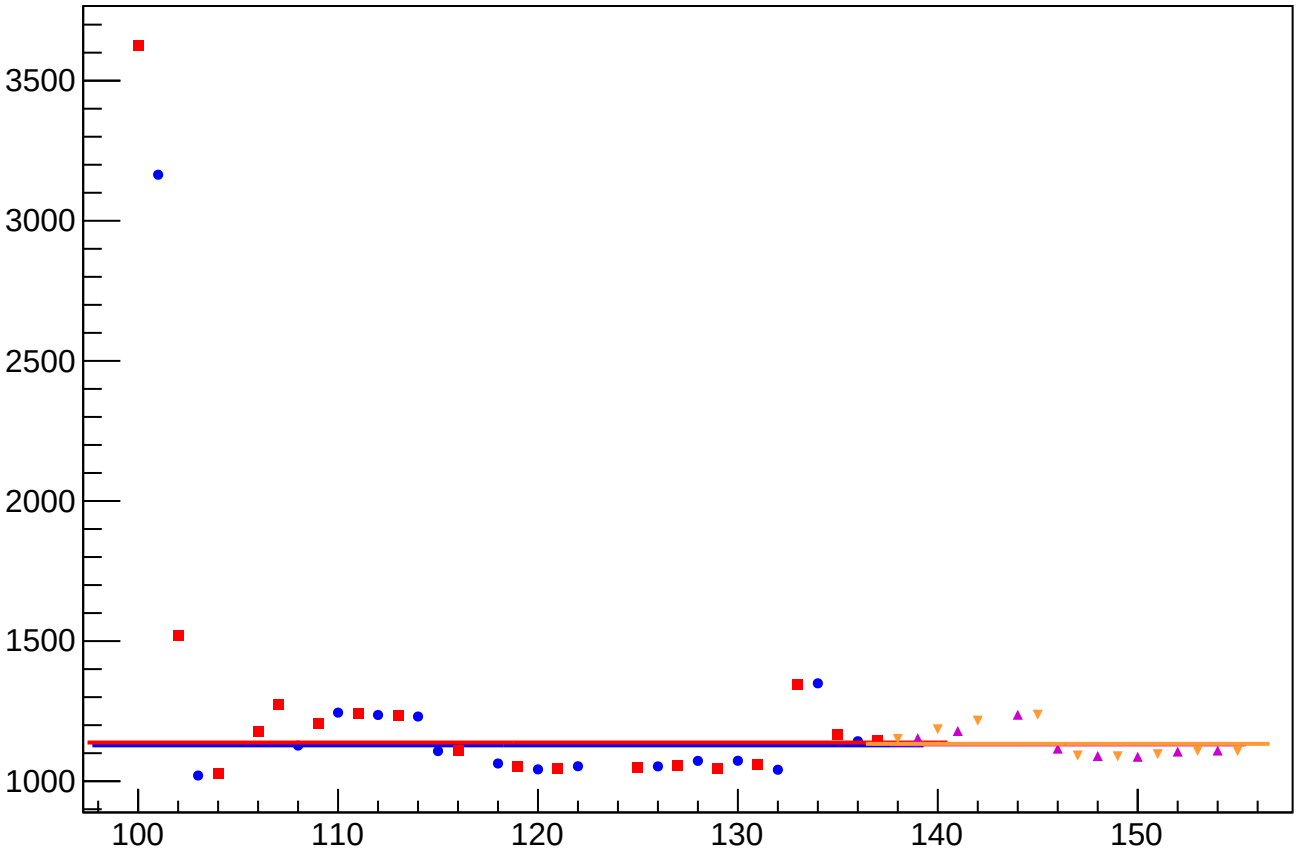
Left: -162.987+/-302.277 χ^2/NDF: 26.7/16

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -565.698+/-302.823 χ^2/NDF:21.8/23

Out: 337.387+/-303.472 χ^2/NDF:36.2/26

All: -115.123+/-214.357 χ^2/NDF: 62.4/50



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1133.313+/-0.302 χ^2/NDF:27994.7/8

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1131.335+/-0.302 χ^2/NDF:24044.7/7

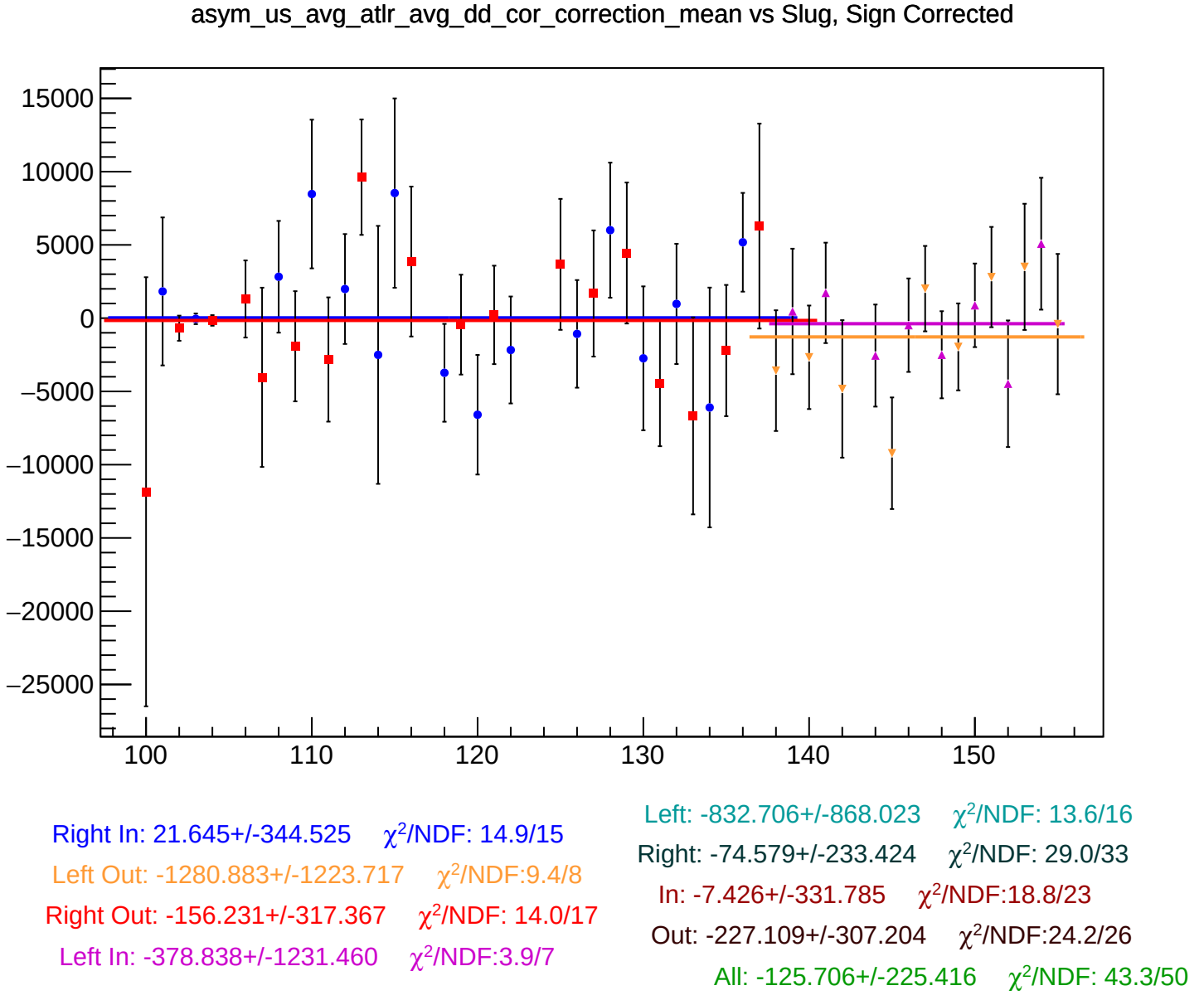
Left: 1132.323+/-0.214 χ^2/NDF: 52060.8/16

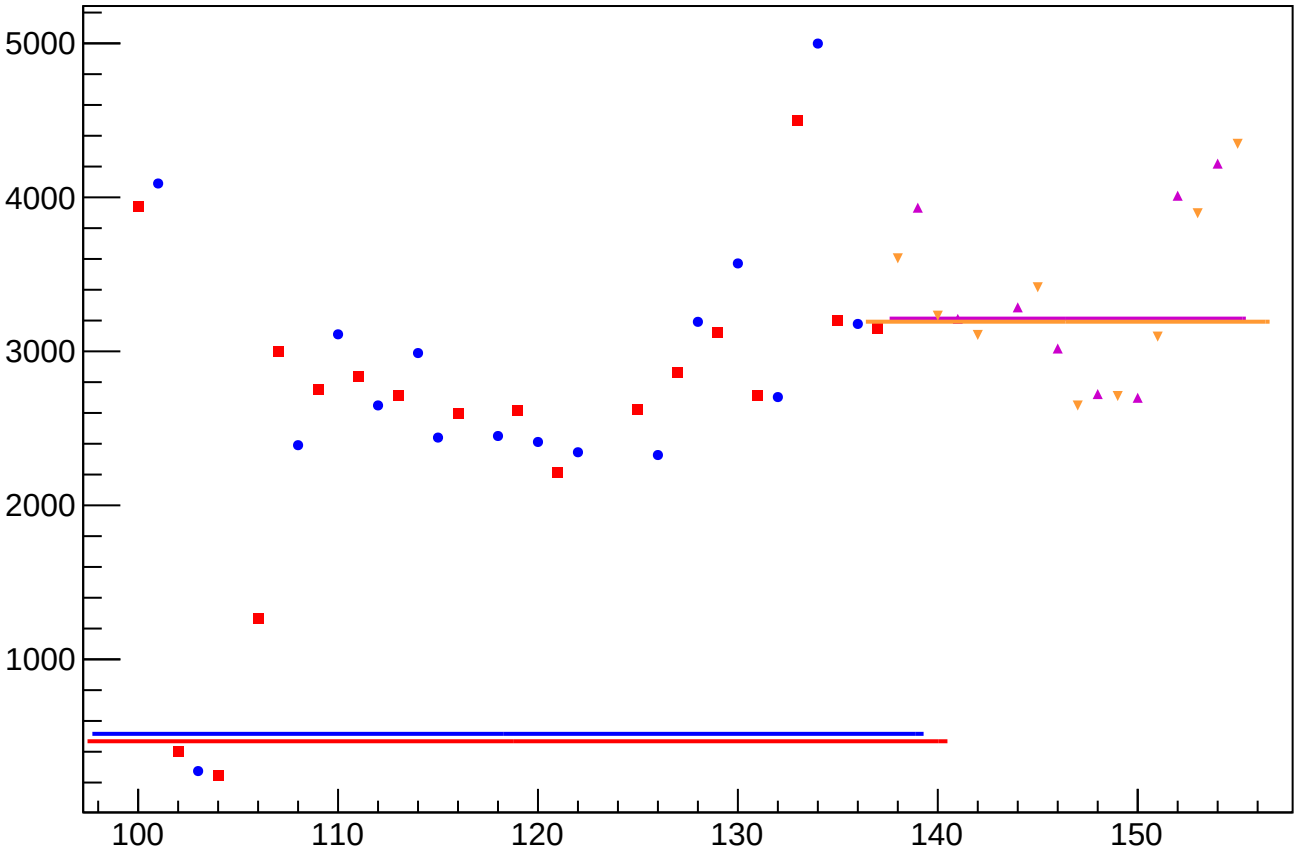
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1129.678+/-0.214 χ^2/NDF:645500.8/23

Out: 1135.641+/-0.215 χ^2/NDF:248738.4/26

All: 1132.654+/-0.152 χ^2/NDF: 894626.2/50


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -1280.883+/-1223.717 χ²/NDF:9.4/8
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -378.838+/-1231.460 χ²/NDF:3.9/7
Left: -832.706+/-868.023 χ²/NDF: 13.6/16
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -7.426+/-331.785 χ²/NDF:18.8/23
Out: -227.109+/-307.204 χ²/NDF:24.2/26
All: -125.706+/-225.416 χ²/NDF: 43.3/50



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3192.587+/-0.865 χ^2/NDF:321898.8/8

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3212.552+/-0.871 χ^2/NDF:352412.1/7

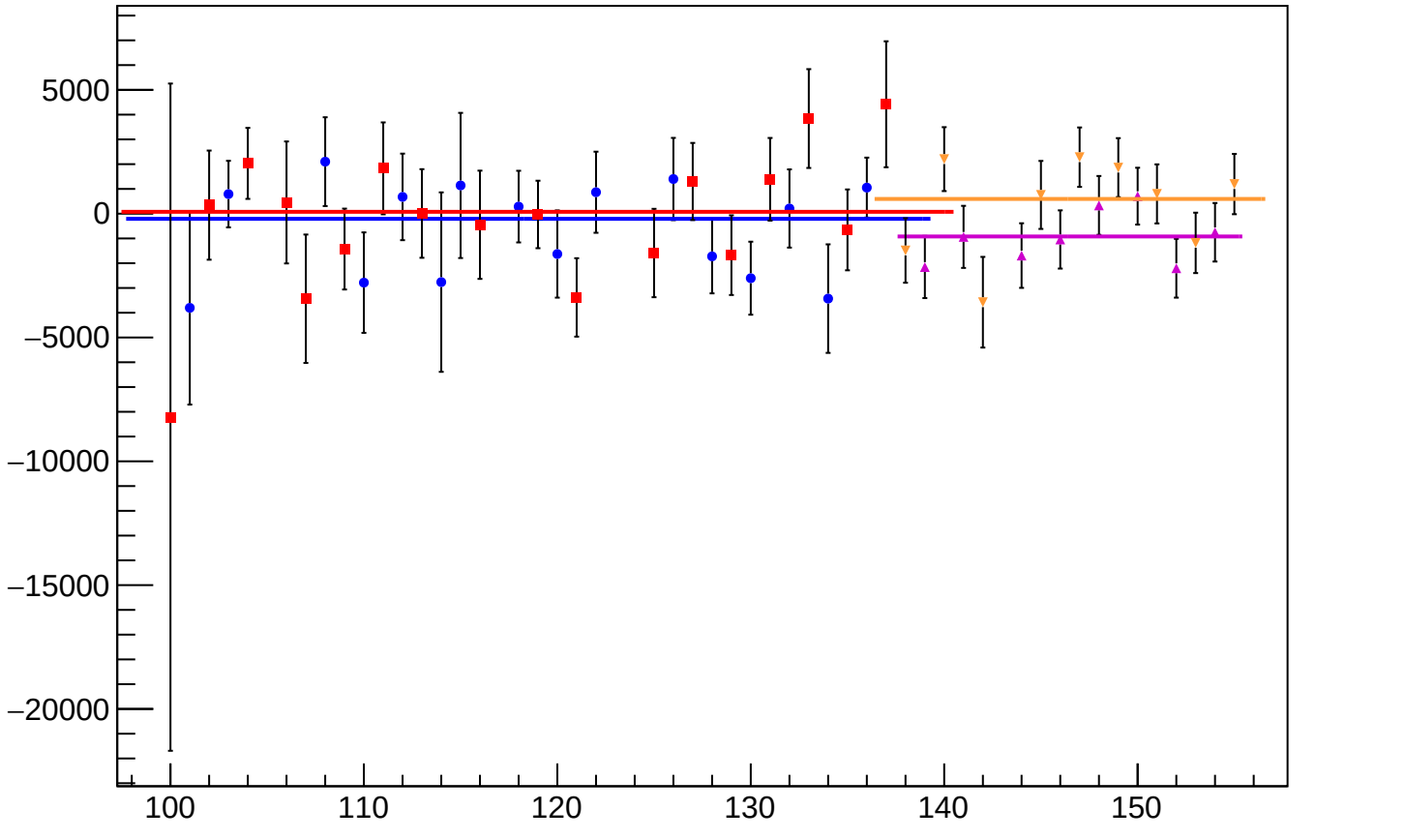
Left: 3202.507+/-0.614 χ^2/NDF: 674575.4/16

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 712.016+/-0.235 χ^2/NDF:19078751.0/23

Out: 639.765+/-0.217 χ^2/NDF:18722359.4/26

All: 673.115+/-0.159 χ^2/NDF: 37852175.9/50



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 595.195+/-427.606 χ^2/NDF:14.8/8

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -920.306+/-427.363 χ^2/NDF:5.6/7

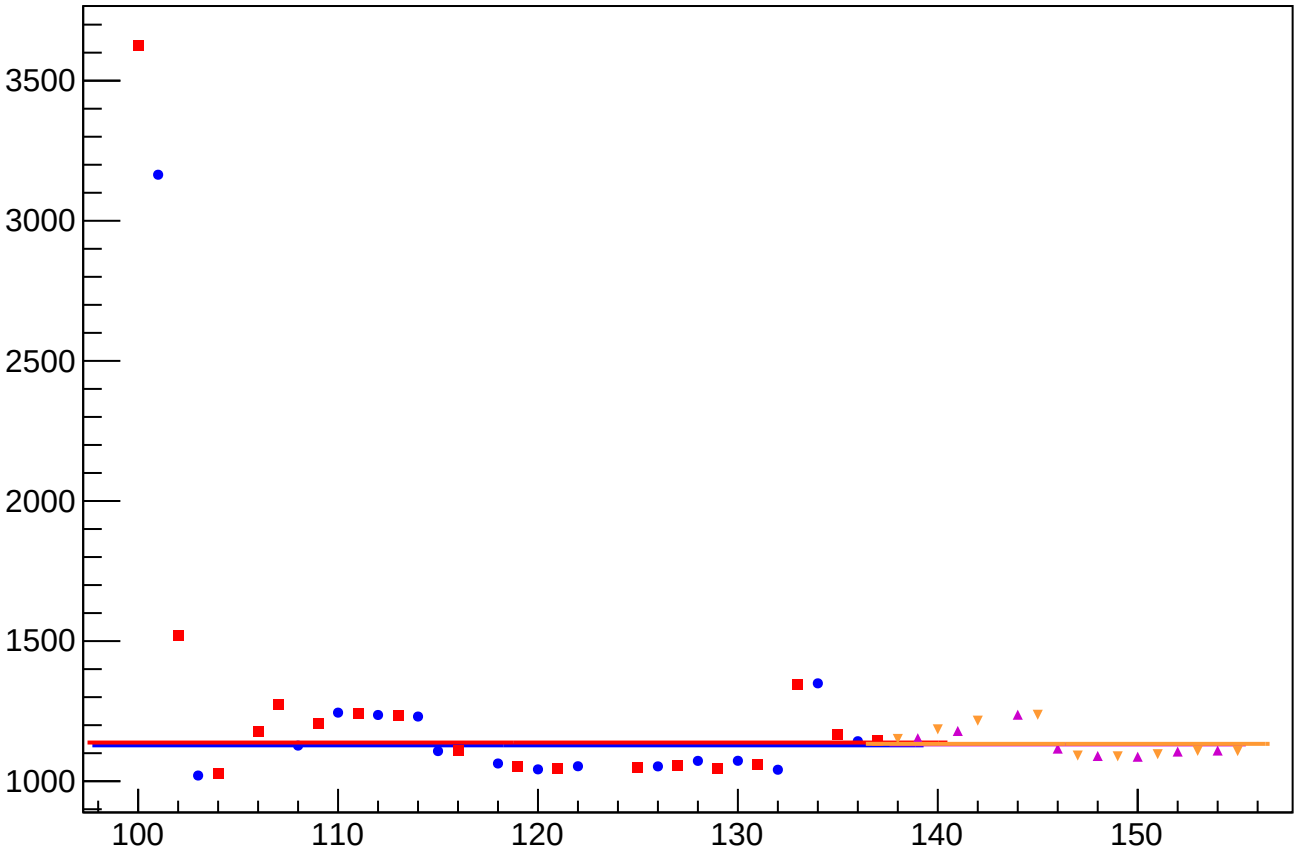
Left: -162.987+/-302.277 χ^2/NDF: 26.7/16

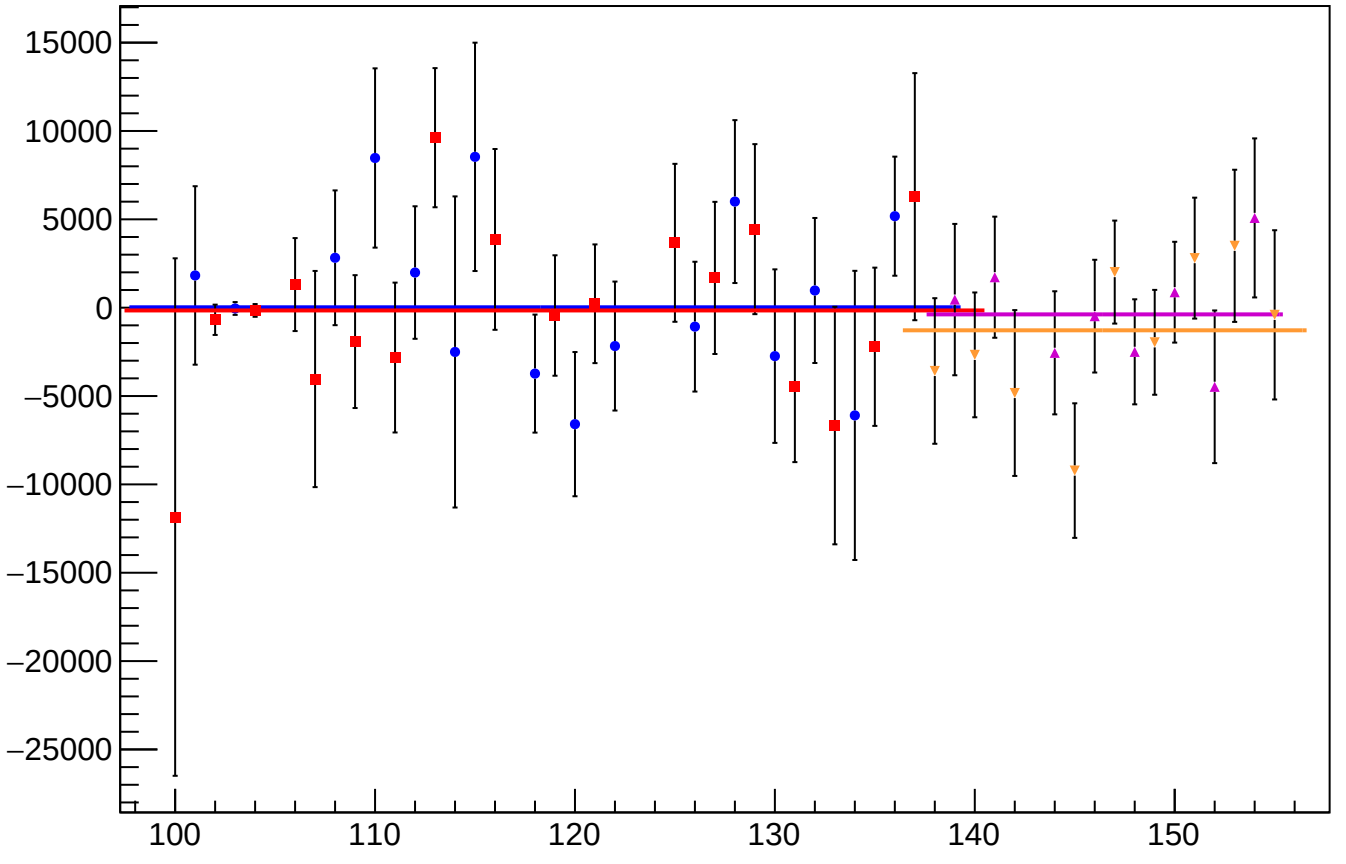
Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -565.698+/-302.823 χ^2/NDF:21.8/23

Out: 337.387+/-303.472 χ^2/NDF:36.2/26

All: -115.123+/-214.357 χ^2/NDF: 62.4/50


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: 1133.313+/-0.302 χ²/NDF:27994.7/8
Right Out: 1138.000+/-0.304 χ²/NDF: 220624.5/17
Left In: 1131.335+/-0.302 χ²/NDF:24044.7/7
Left: 1132.323+/-0.214 χ²/NDF: 52060.8/16
Right: 1132.987+/-0.215 χ²/NDF: 842560.5/33
In: 1129.678+/-0.214 χ²/NDF:645500.8/23
Out: 1135.641+/-0.215 χ²/NDF:248738.4/26
All: 1132.654+/-0.152 χ²/NDF: 894626.2/50



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -1280.883+/-1223.717 χ^2/NDF:9.4/8

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -378.838+/-1231.460 χ^2/NDF:3.9/7

Left: -832.706+/-868.023 χ^2/NDF: 13.6/16

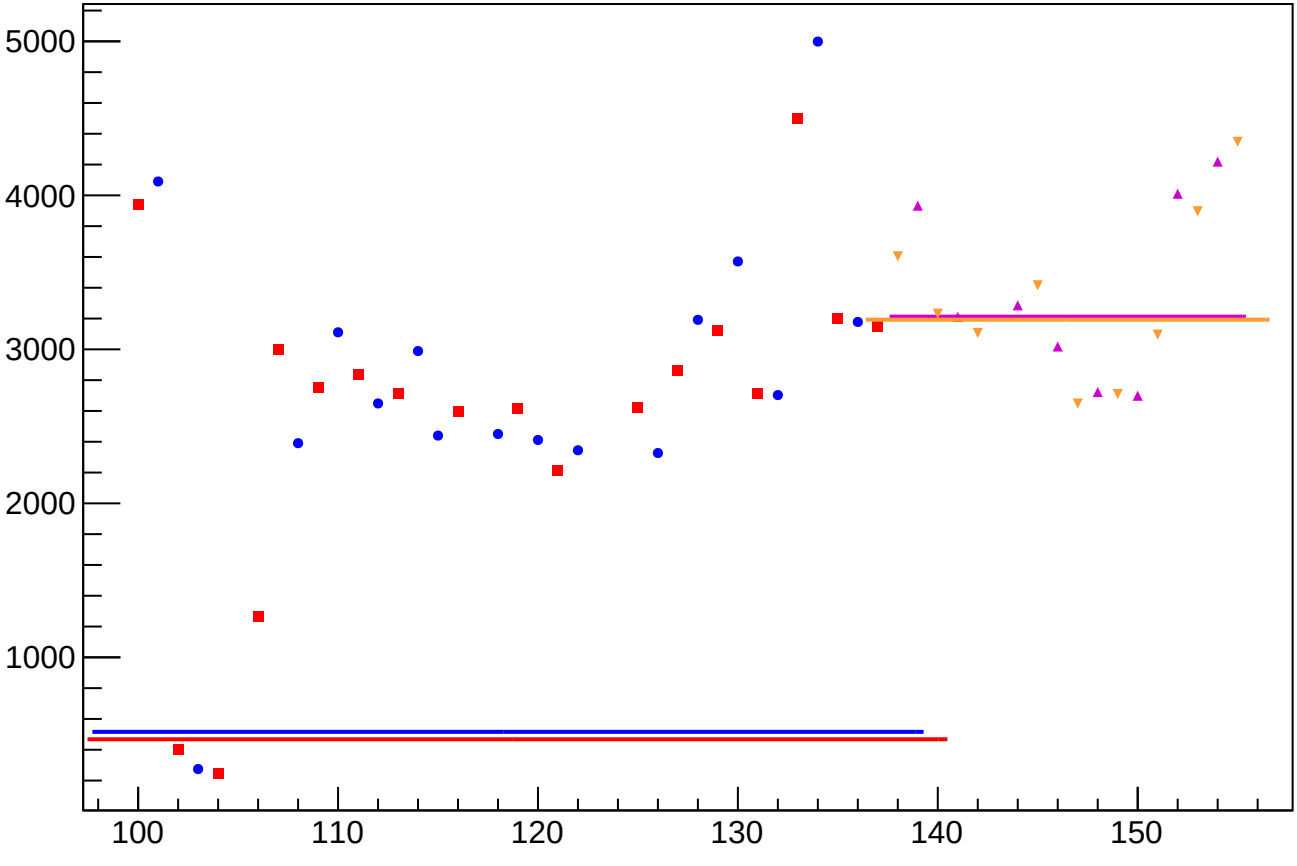
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -7.426+/-331.785 χ^2/NDF:18.8/23

Out: -227.109+/-307.204 χ^2/NDF:24.2/26

All: -125.706+/-225.416 χ^2/NDF: 43.3/50

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: 3192.587+/-0.865 χ^2/NDF:321898.8/8

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3212.552+/-0.871 χ^2/NDF:352412.1/7

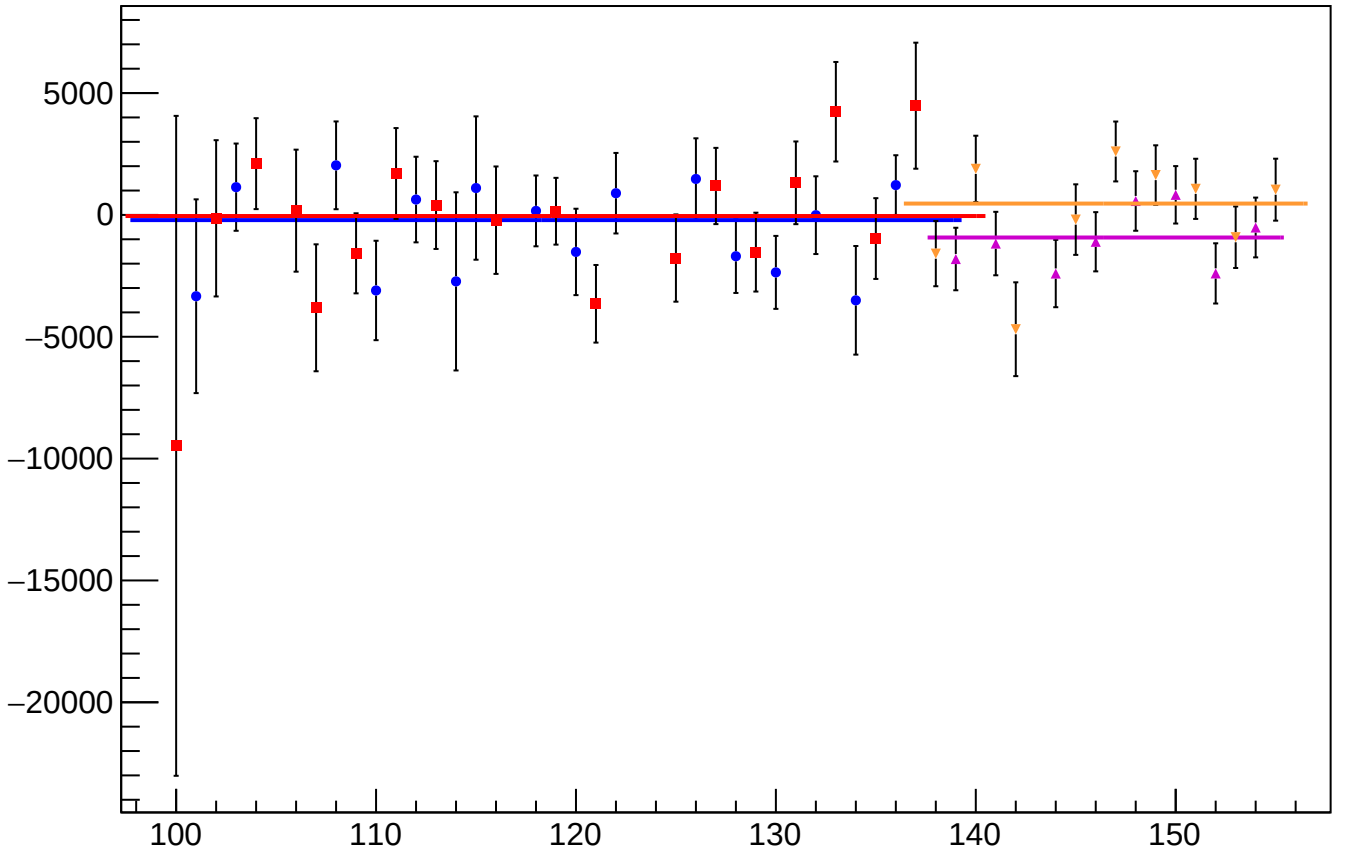
Left: 3202.507+/-0.614 χ^2/NDF: 674575.4/16

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 712.016+/-0.235 χ^2/NDF:19078751.0/23

Out: 639.765+/-0.217 χ^2/NDF:18722359.4/26

All: 673.115+/-0.159 χ^2/NDF: 37852175.9/50



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 465.589+/-443.579 χ^2/NDF:16.4/8

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -927.231+/-442.477 χ^2/NDF:6.9/7

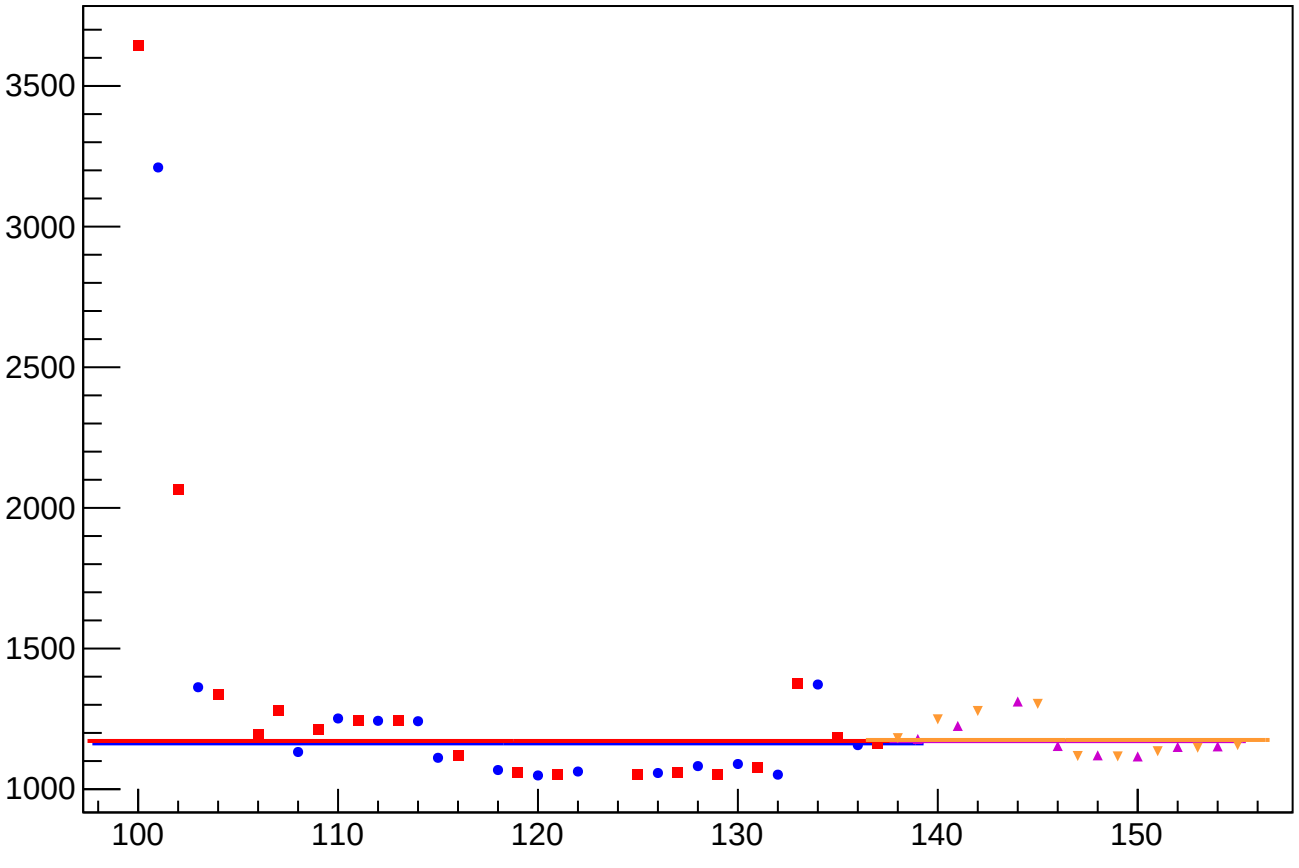
Left: -232.554+/-313.267 χ^2/NDF: 28.3/16

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -570.323+/-312.952 χ^2/NDF:22.6/23

Out: 212.116+/-314.937 χ^2/NDF:38.7/26

All: -181.578+/-221.989 χ^2/NDF: 64.4/50



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1174.993+/-0.314 χ^2/NDF:39687.3/8

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1170.818+/-0.313 χ^2/NDF:33386.2/7

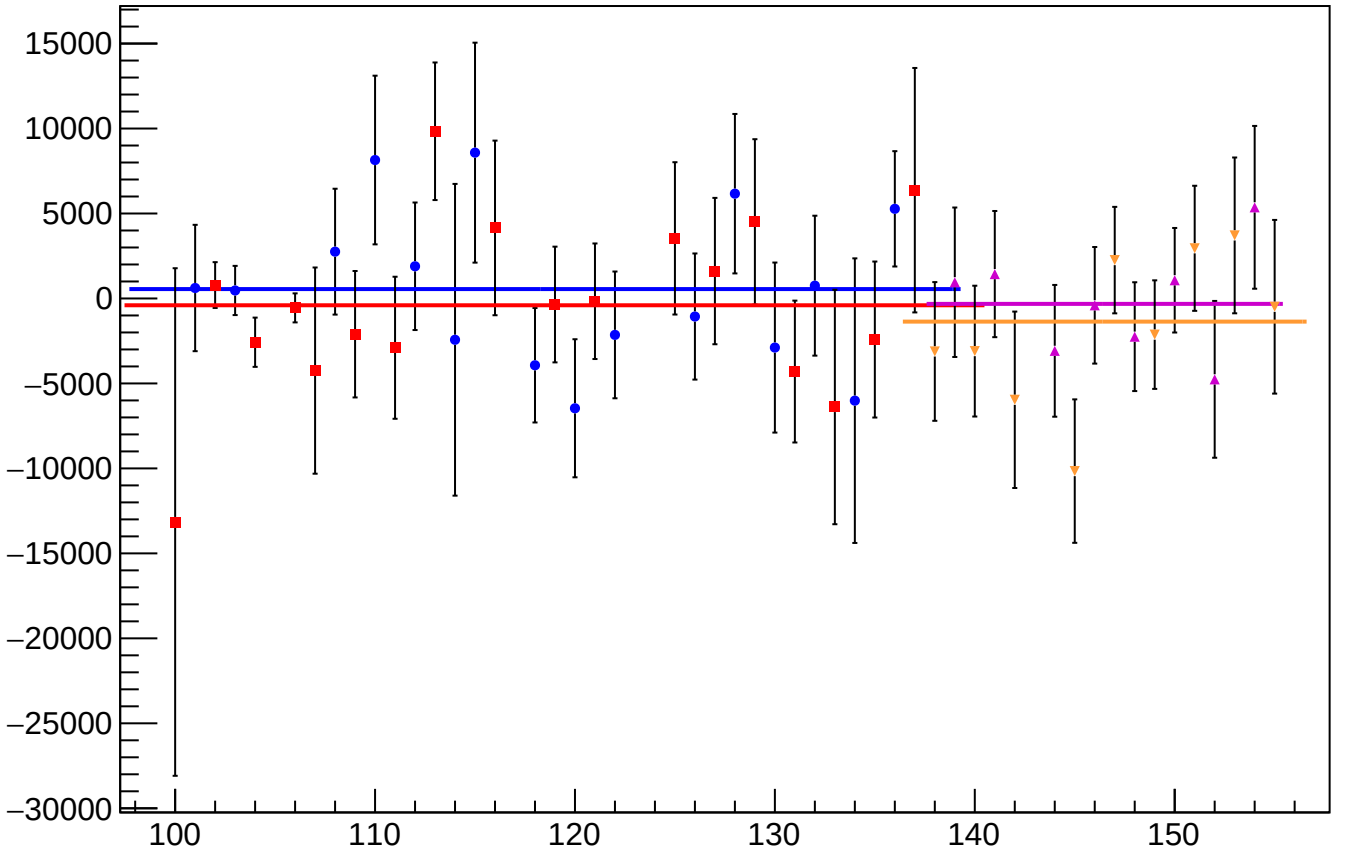
Left: 1172.900+/-0.222 χ^2/NDF: 73162.3/16

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1166.837+/-0.221 χ^2/NDF:669063.7/23

Out: 1173.220+/-0.223 χ^2/NDF:371392.5/26

All: 1170.009+/-0.157 χ^2/NDF: 1040869.7/50



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -1362.119+/-1312.562 χ^2/NDF:9.5/8

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -318.625+/-1324.995 χ^2/NDF:3.7/7

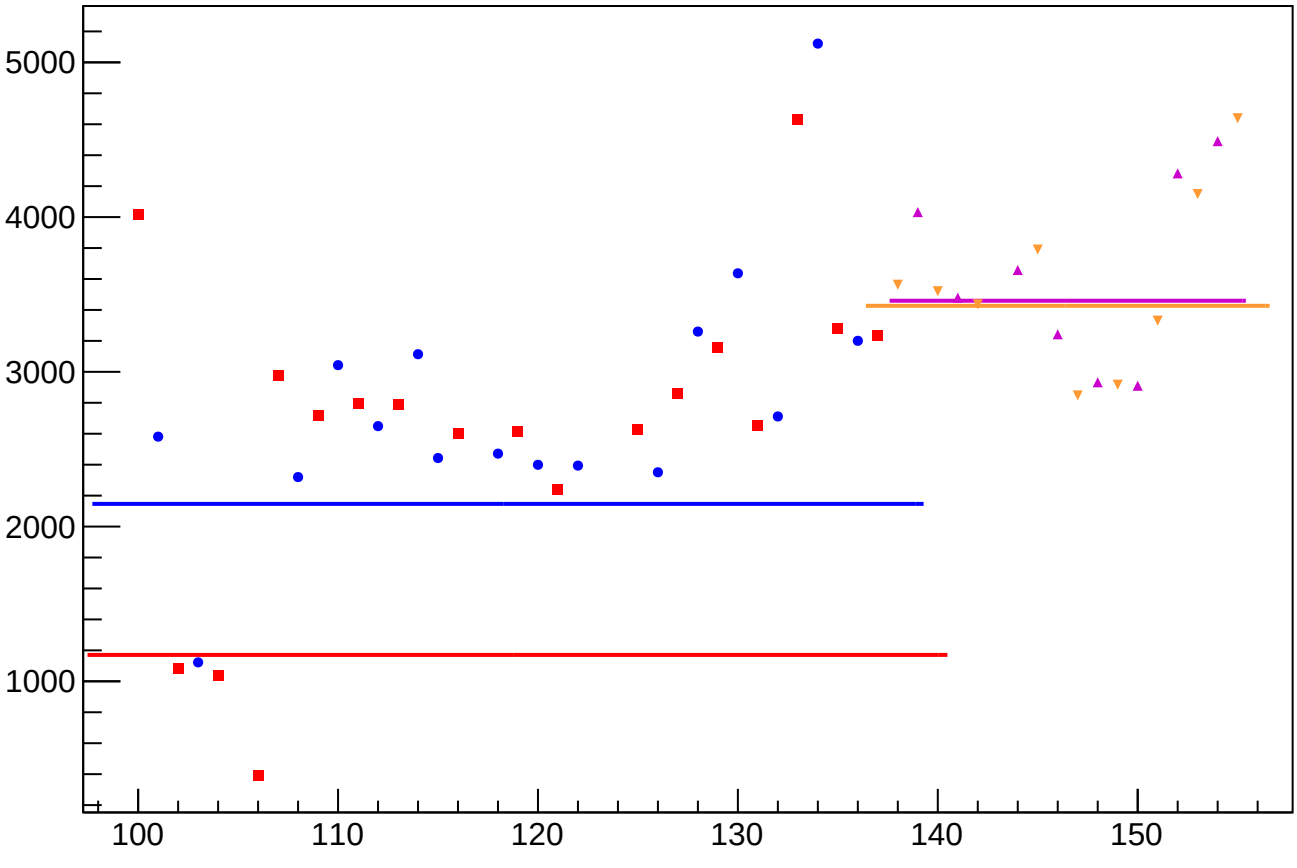
Left: -845.290+/-932.486 χ^2/NDF: 13.6/16

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 288.344+/-729.649 χ^2/NDF:18.4/23

Out: -551.160+/-519.637 χ^2/NDF:26.7/26

All: -268.655+/-423.268 χ^2/NDF: 45.9/50



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3426.699+/-0.928 χ^2/NDF:301183.3/8

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3459.515+/-0.937 χ^2/NDF:321603.8/7

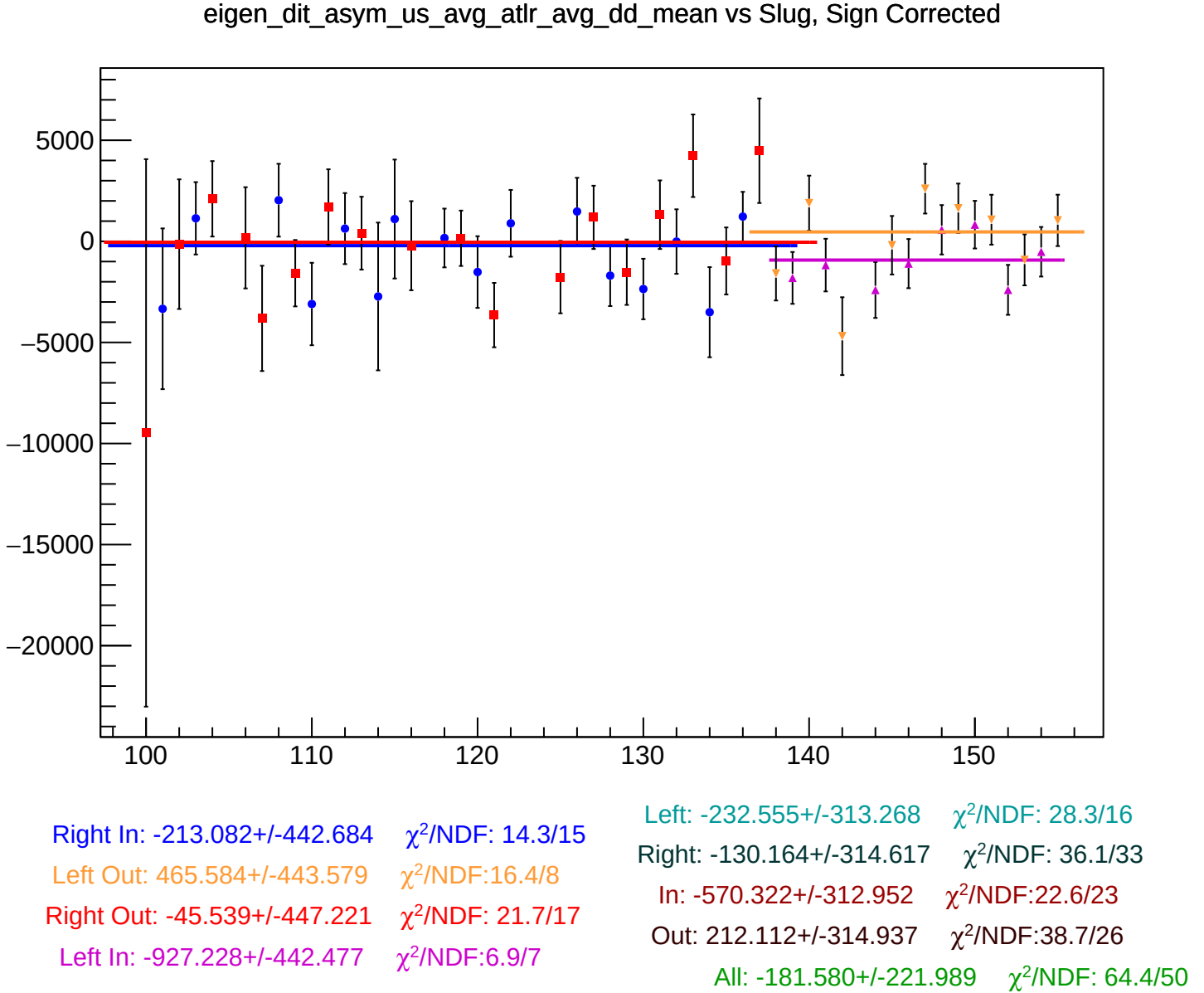
Left: 3442.952+/-0.659 χ^2/NDF: 623406.3/16

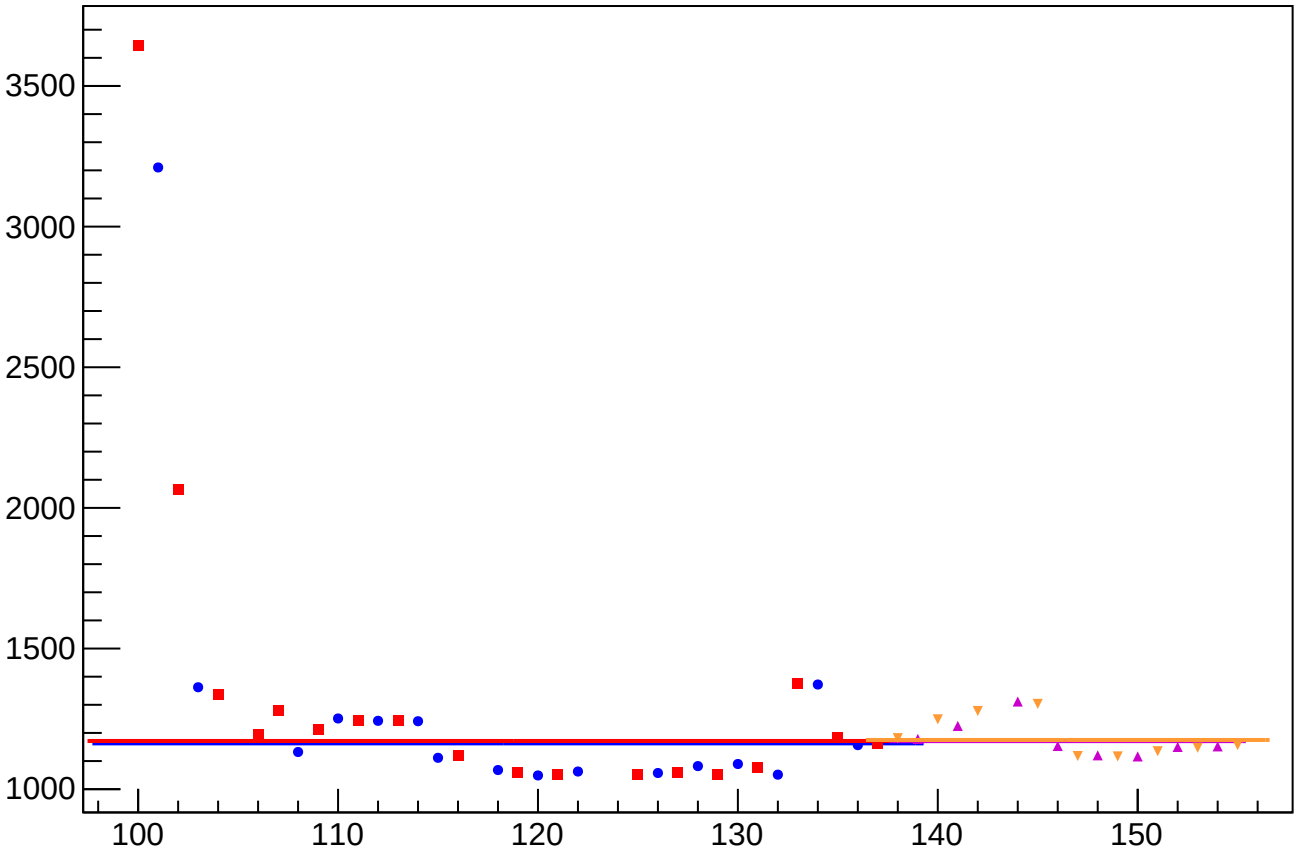
Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2544.751+/-0.516 χ^2/NDF:3664503.7/23

Out: 1524.182+/-0.367 χ^2/NDF:11101559.0/26

All: 1867.619+/-0.299 χ^2/NDF: 17362145.9/5


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: 465.584+/-443.579 χ²/NDF:16.4/8
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -927.228+/-442.477 χ²/NDF:6.9/7
Left: -232.555+/-313.268 χ²/NDF: 28.3/16
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -570.322+/-312.952 χ²/NDF:22.6/23
Out: 212.112+/-314.937 χ²/NDF:38.7/26
All: -181.580+/-221.989 χ²/NDF: 64.4/50



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1174.994+/-0.314 χ^2/NDF:39687.8/8

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1170.819+/-0.313 χ^2/NDF:33386.4/7

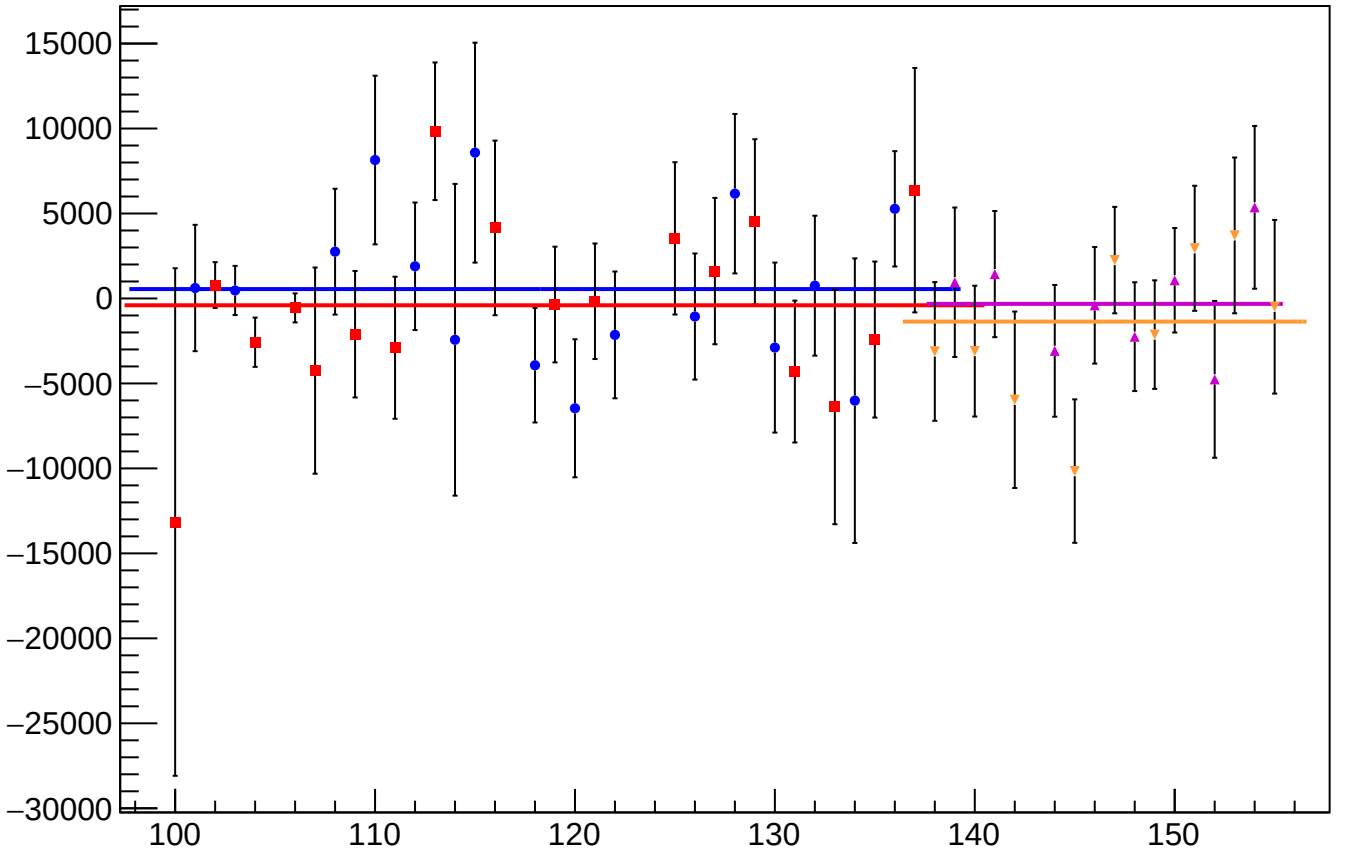
Left: 1172.901+/-0.222 χ^2/NDF: 73162.9/16

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1166.837+/-0.221 χ^2/NDF:669064.1/23

Out: 1173.221+/-0.223 χ^2/NDF:371392.6/26

All: 1170.009+/-0.157 χ^2/NDF: 1040870.2/50



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -1362.121+/-1312.564 χ^2/NDF:9.5/8

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -318.622+/-1324.996 χ^2/NDF:3.7/7

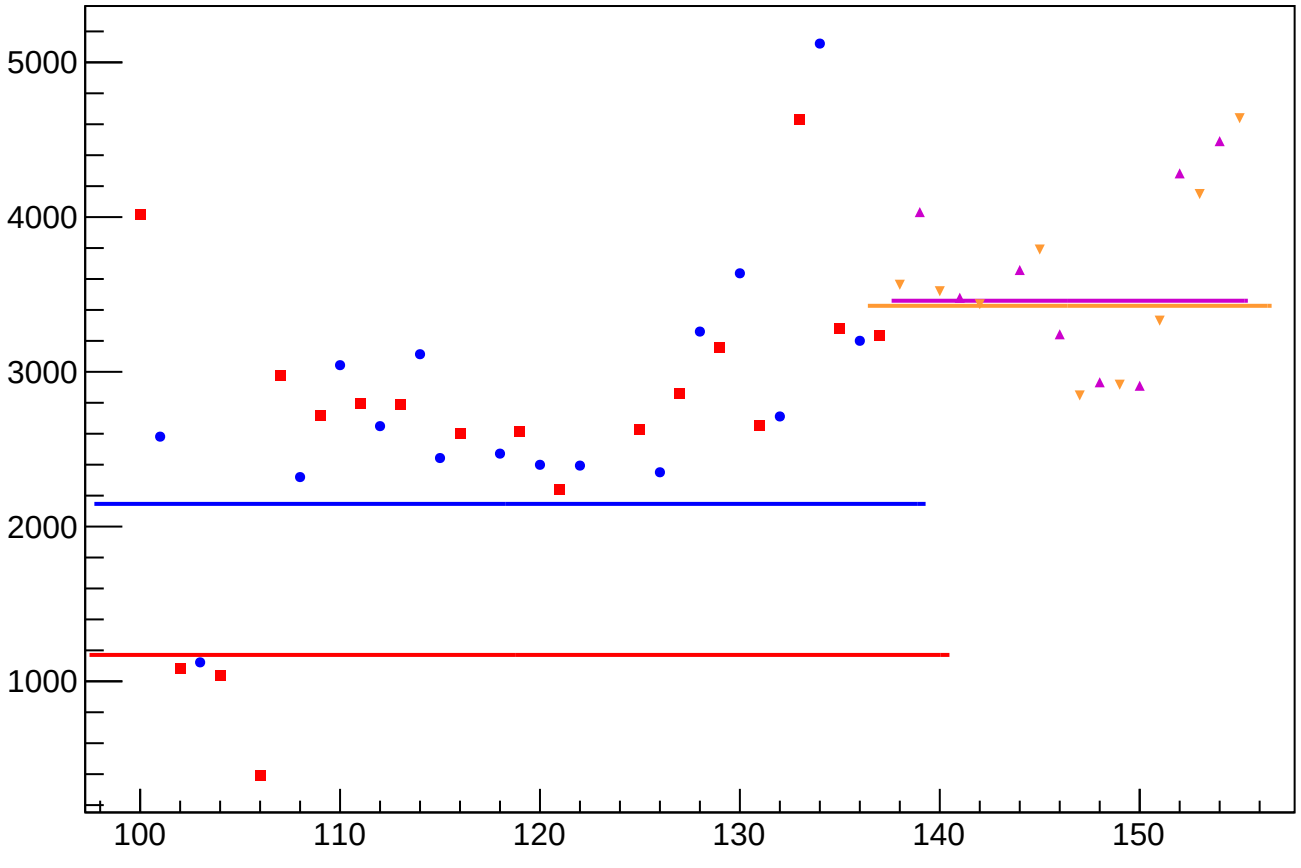
Left: -845.290+/-932.487 χ^2/NDF: 13.6/16

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 288.341+/-729.648 χ^2/NDF:18.4/23

Out: -551.158+/-519.632 χ^2/NDF:26.7/26

All: -268.658+/-423.265 χ^2/NDF: 45.9/50



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3426.702+/-0.928 χ^2/NDF:301184.0/8

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3459.519+/-0.937 χ^2/NDF:321604.2/7

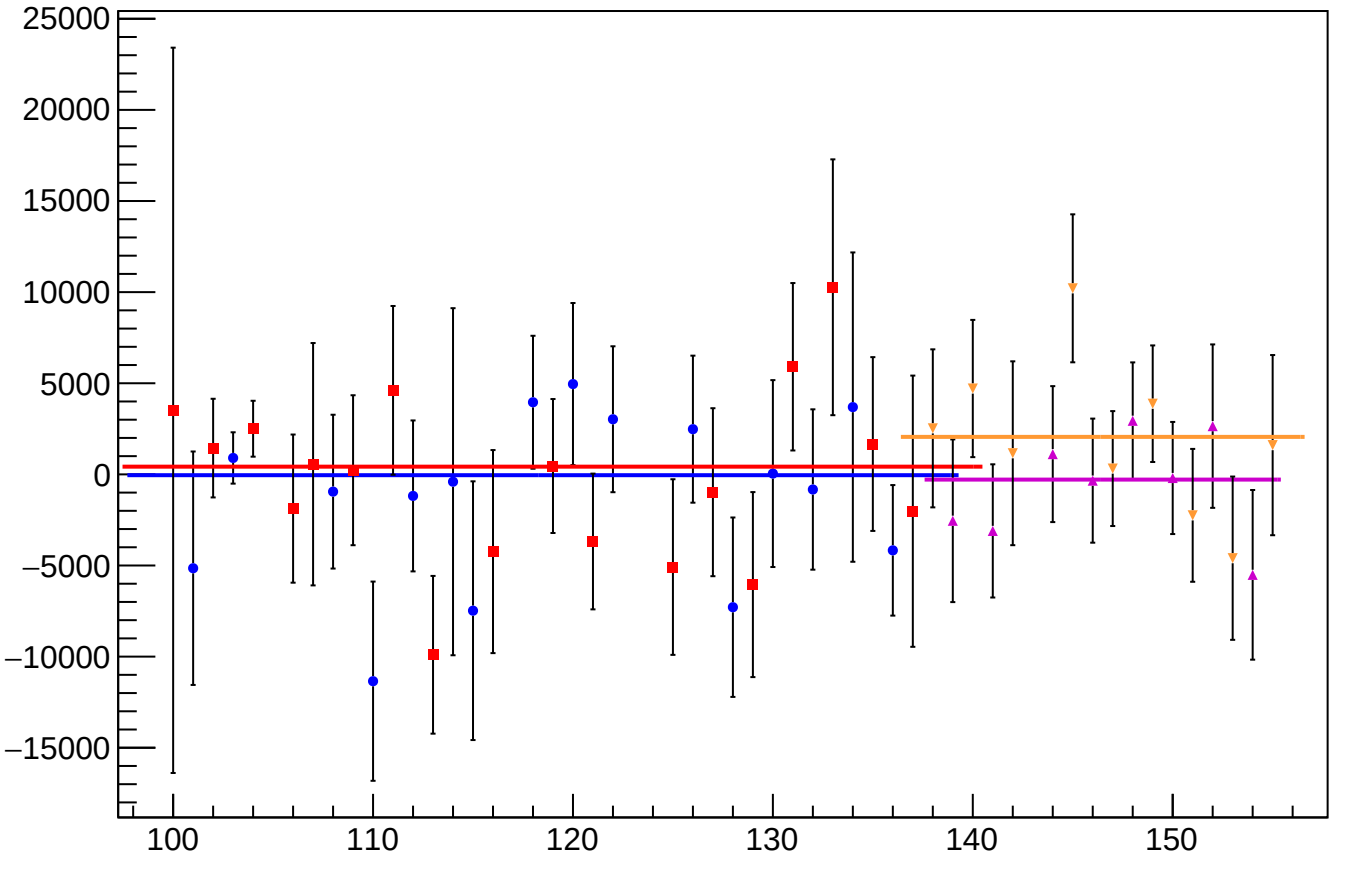
Left: 3442.956+/-0.659 χ^2/NDF: 623407.3/16

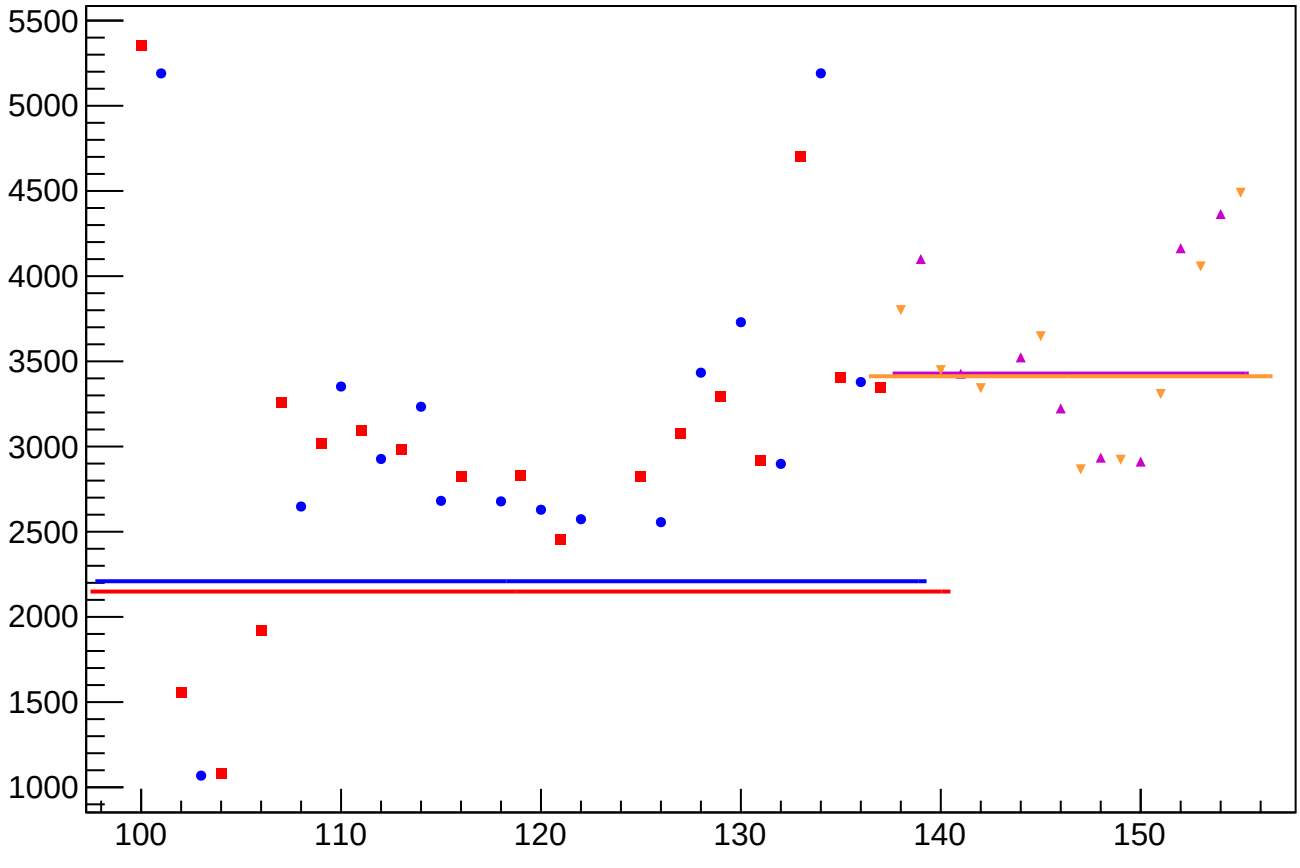
Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2544.749+/-0.516 χ^2/NDF:3664513.0/23

Out: 1524.156+/-0.367 χ^2/NDF:11101813.9/26

All: 1867.596+/-0.299 χ^2/NDF: 17362553.6/5


asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -44.874+/-920.736 χ²/NDF: 13.7/15
Left Out: 2057.343+/-1304.096 χ²/NDF:8.8/8
Right Out: 423.476+/-896.736 χ²/NDF: 17.3/17
Left In: -286.446+/-1310.536 χ²/NDF:3.7/7
Left: 891.221+/-924.404 χ²/NDF: 14.1/16
Right: 195.485+/-642.405 χ²/NDF: 31.2/33
In: -124.708+/-753.388 χ²/NDF:17.5/23
Out: 948.008+/-738.903 χ²/NDF:27.2/26
All: 422.061+/-527.530 χ²/NDF: 45.7/50



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3412.494+/-0.922 χ^2/NDF:268253.7/8

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3428.336+/-0.927 χ^2/NDF:292528.6/7

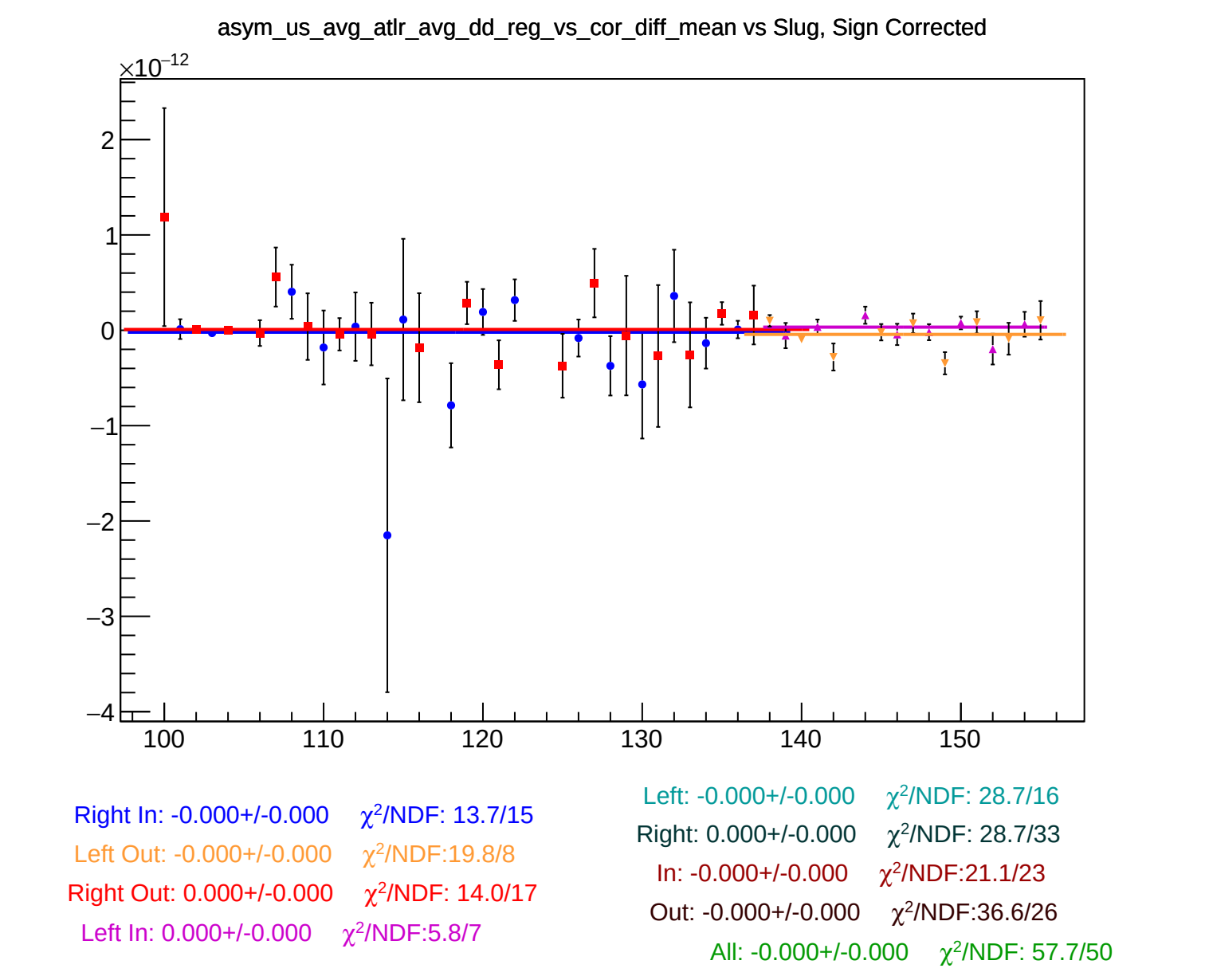
Left: 3420.376+/-0.654 χ^2/NDF: 560929.2/16

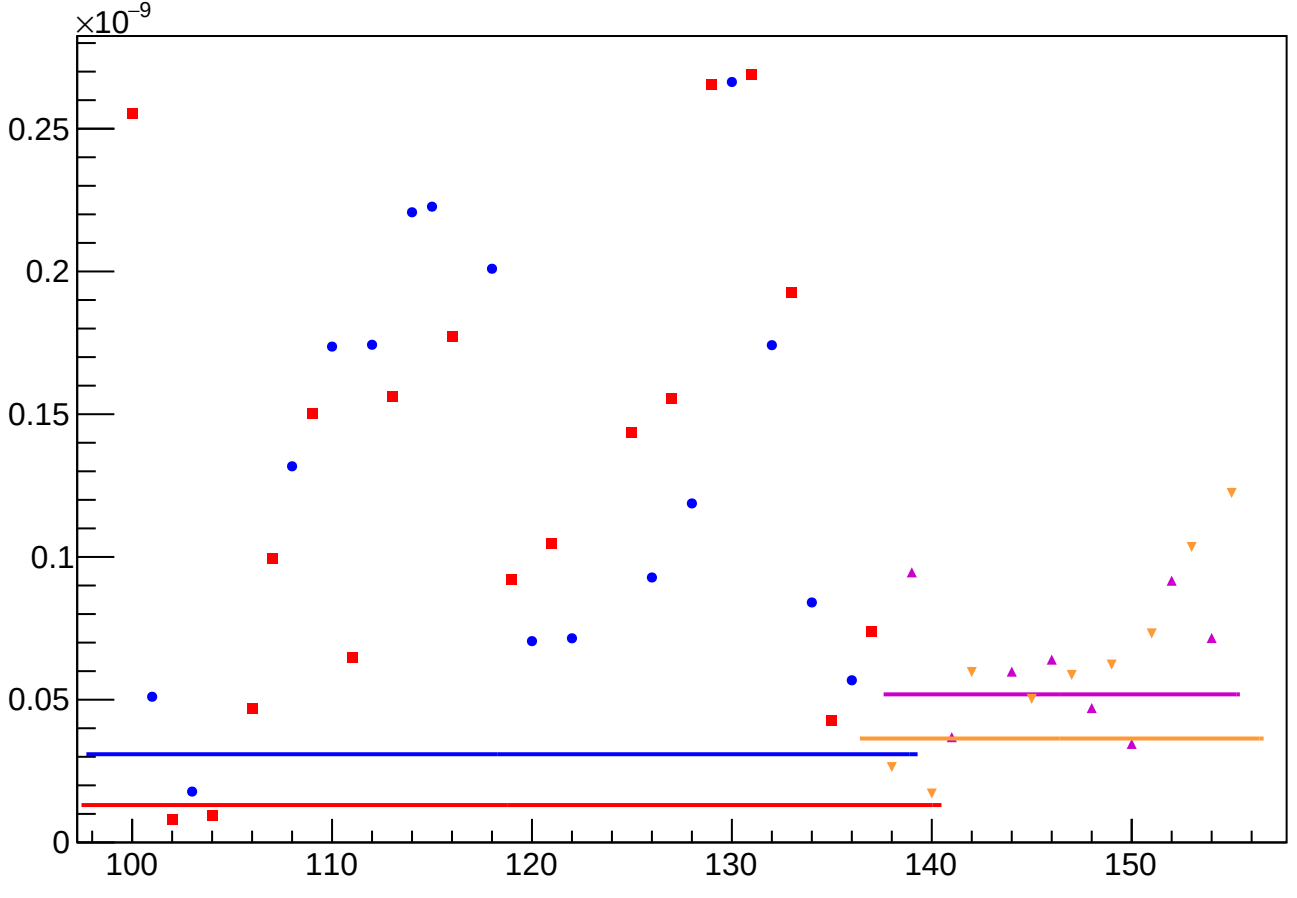
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2612.192+/-0.533 χ^2/NDF:4287907.8/23

Out: 2553.275+/-0.522 χ^2/NDF:3814662.7/26

All: 2582.114+/-0.373 χ^2/NDF: 8108814.8/50


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:19.8/8
Right Out: 0.000+/-0.000 χ²/NDF: 14.0/17
Left In: 0.000+/-0.000 χ²/NDF:5.8/7
Left: -0.000+/-0.000 χ²/NDF: 28.7/16
Right: 0.000+/-0.000 χ²/NDF: 28.7/33
In: -0.000+/-0.000 χ²/NDF:21.1/23
Out: -0.000+/-0.000 χ²/NDF:36.6/26
All: -0.000+/-0.000 χ²/NDF: 57.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1685427.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:631995.9/7

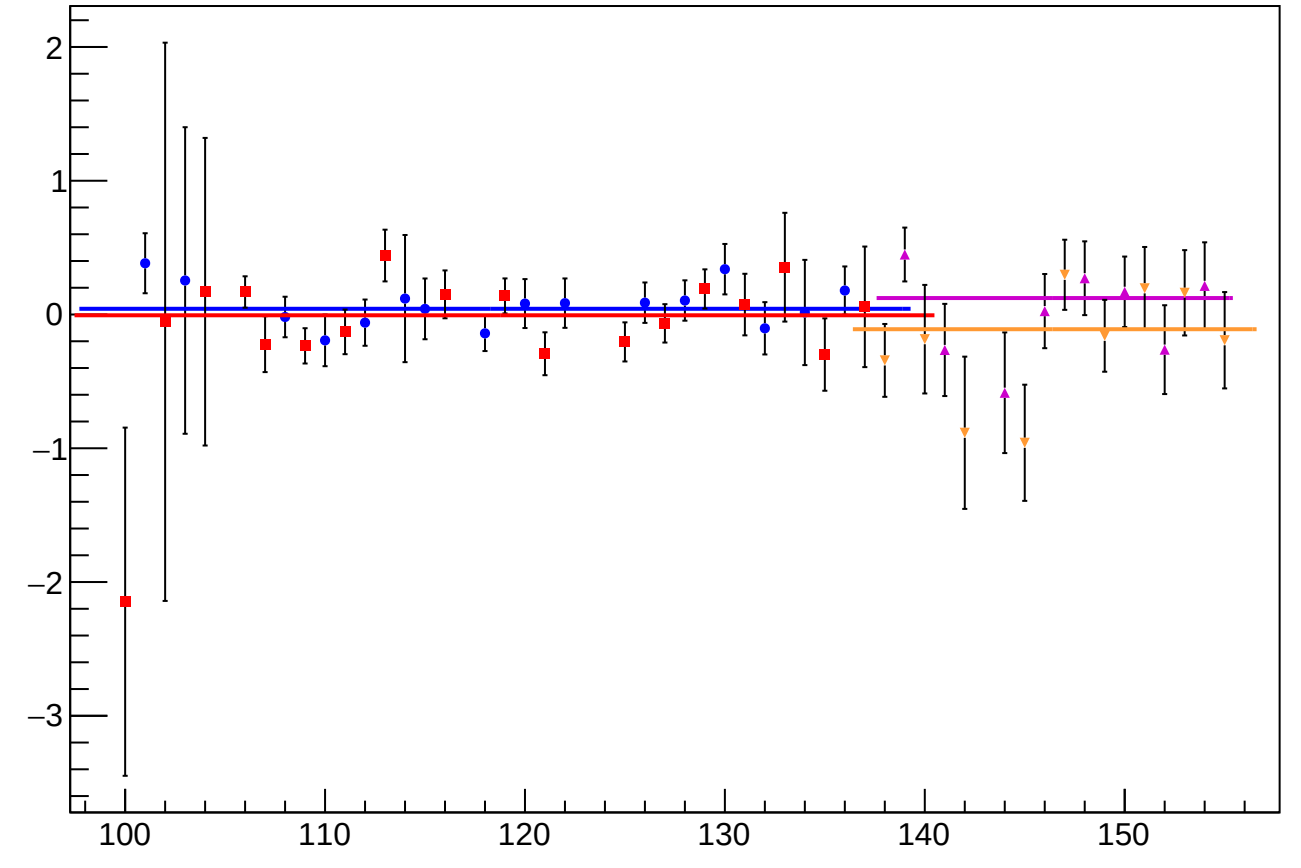
Left: 0.000+/-0.000 χ^2/NDF: 2575379.1/16

Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:4127529.8/23

Out: 0.000+/-0.000 χ^2/NDF:6482062.5/26

All: 0.000+/-0.000 χ^2/NDF: 11997695.8/50



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.110+/-0.109 χ^2/NDF:10.6/8

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.123+/-0.101 χ^2/NDF:8.2/7

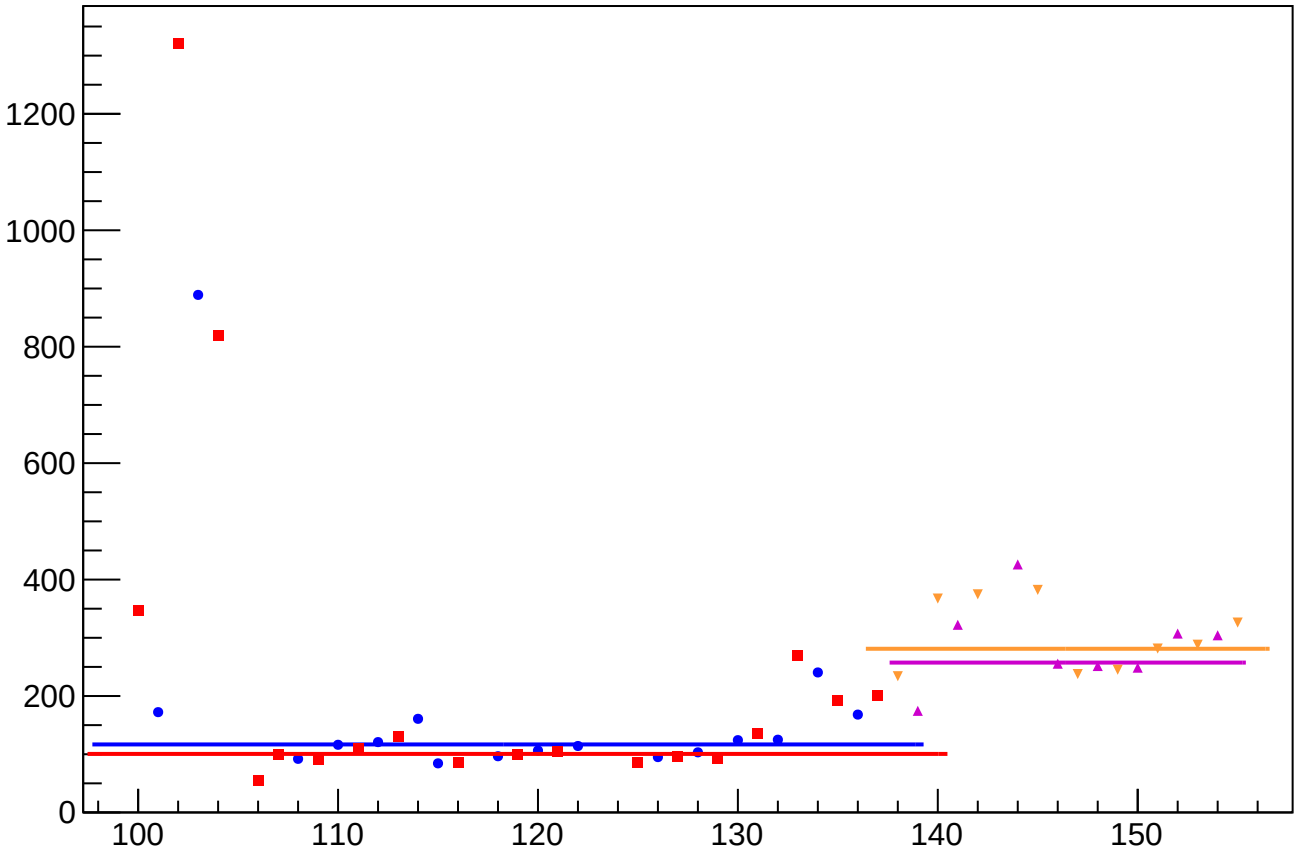
Left: 0.015+/-0.074 χ^2/NDF: 21.3/16

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.057+/-0.043 χ^2/NDF:19.0/23

Out: -0.020+/-0.040 χ^2/NDF:37.5/26

All: 0.016+/-0.029 χ^2/NDF: 58.2/50



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 281.165+/-0.077 χ^2/NDF:435814.4/8

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 257.419+/-0.072 χ^2/NDF:779200.2/7

Left: 268.460+/-0.052 χ^2/NDF: 1265917.2/16

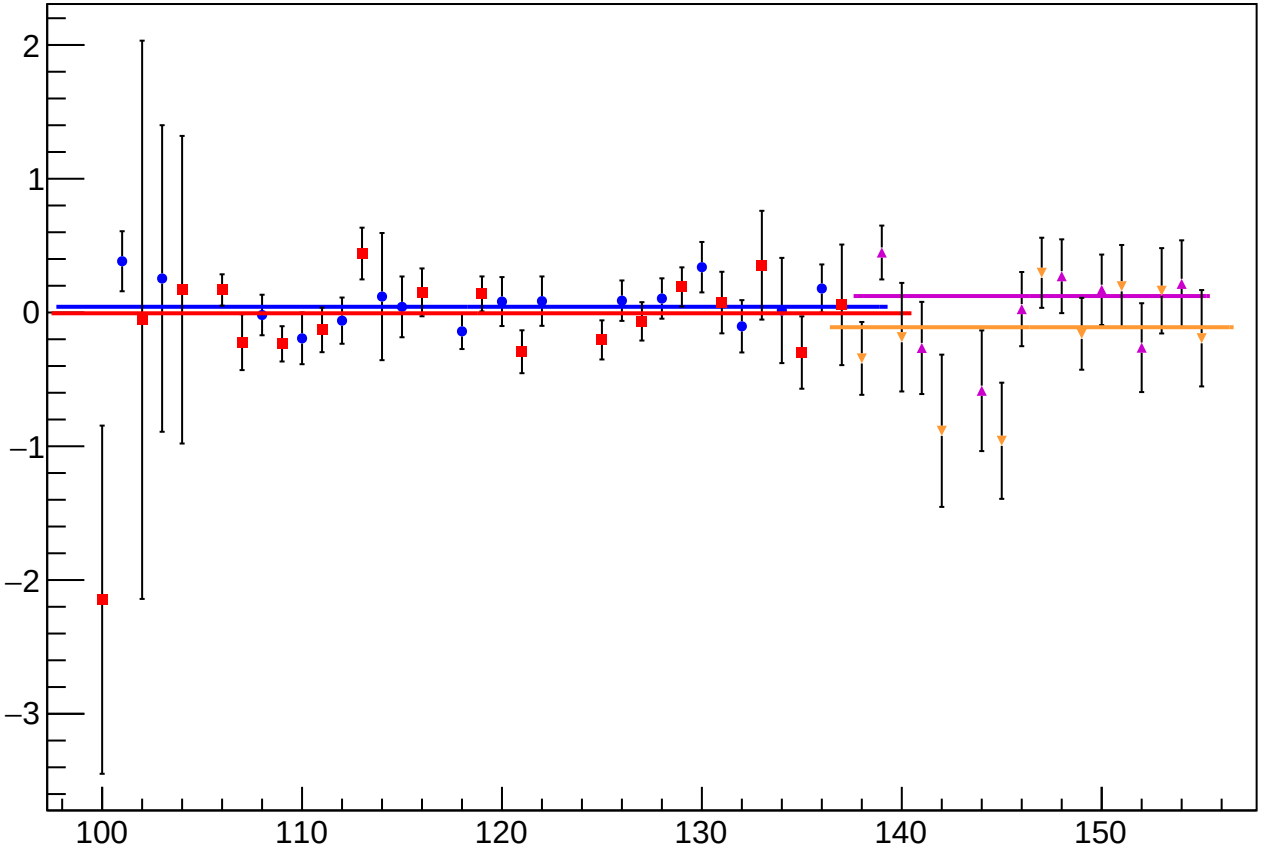
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 142.071+/-0.030 χ^2/NDF:5548572.9/23

Out: 125.292+/-0.028 χ^2/NDF:7850431.4/26

All: 133.139+/-0.021 χ^2/NDF: 13561163.6/50

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: -0.110+/-0.109 χ^2/NDF:10.6/8

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.123+/-0.101 χ^2/NDF:8.2/7

Left: 0.015+/-0.074 χ^2/NDF: 21.3/16

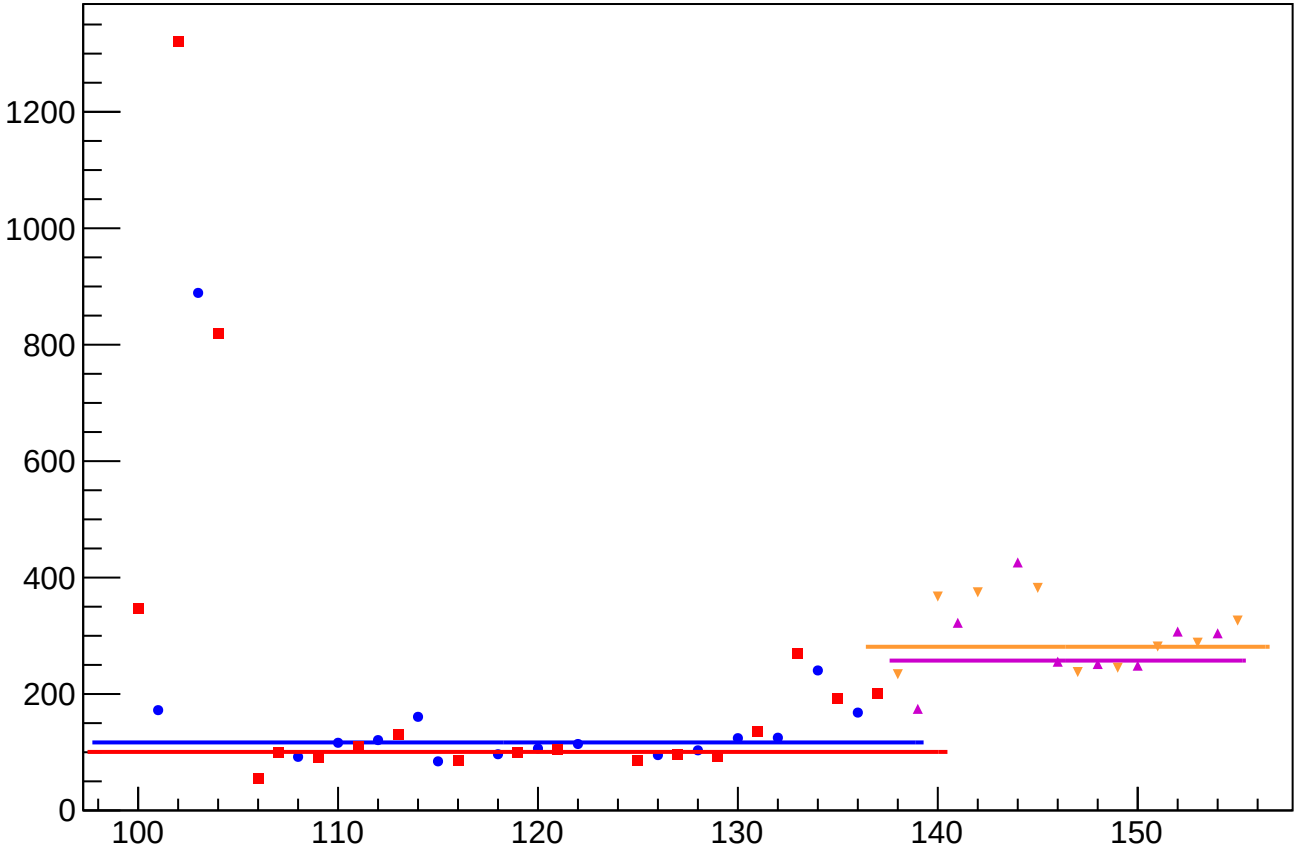
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.057+/-0.043 χ^2/NDF:19.0/23

Out: -0.020+/-0.040 χ^2/NDF:37.5/26

All: 0.016+/-0.029 χ^2/NDF: 58.2/50

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: 281.165+/-0.077 χ^2/NDF:435814.4/8

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 257.419+/-0.072 χ^2/NDF:779200.2/7

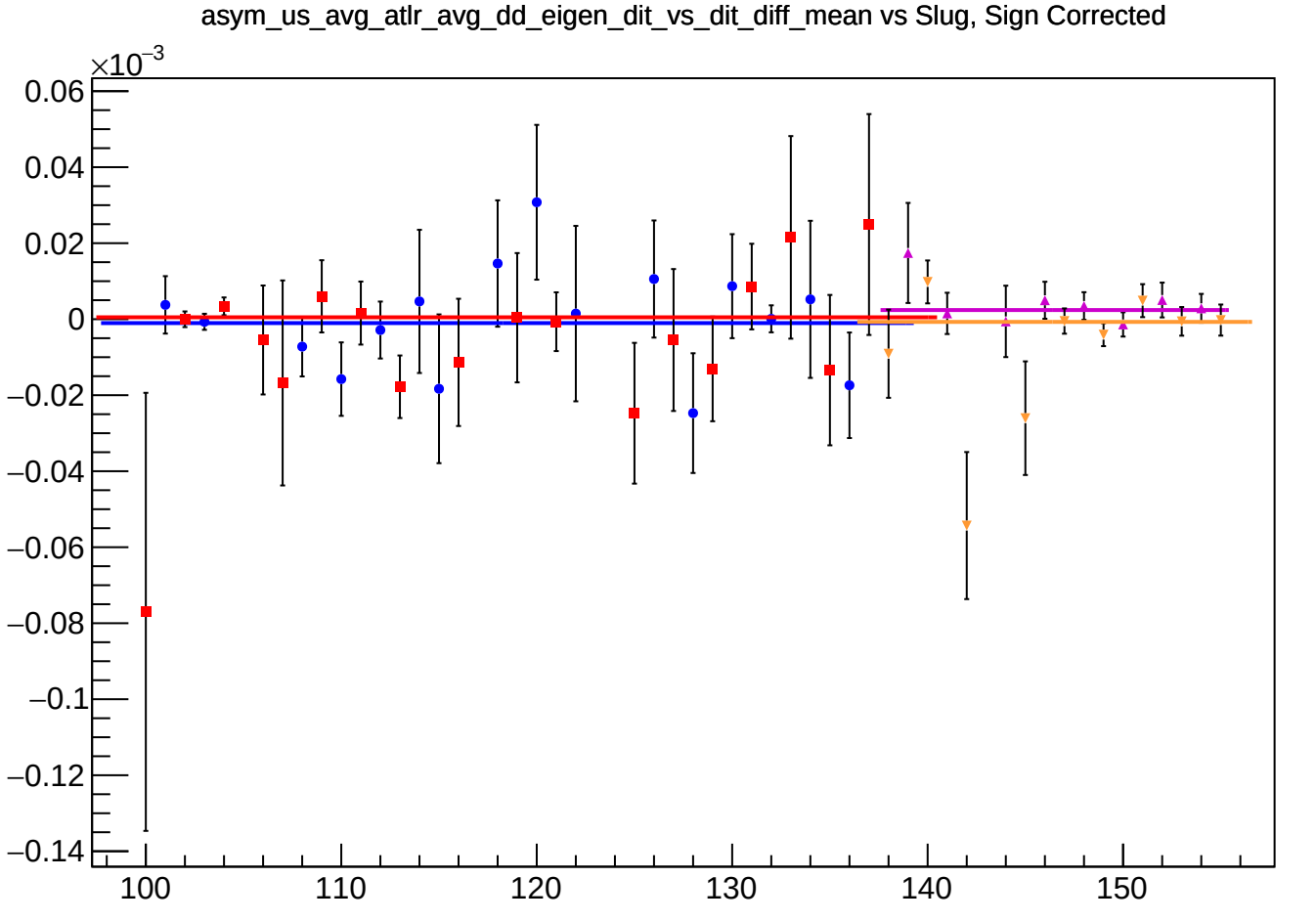
Left: 268.460+/-0.052 χ^2/NDF: 1265917.2/16

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

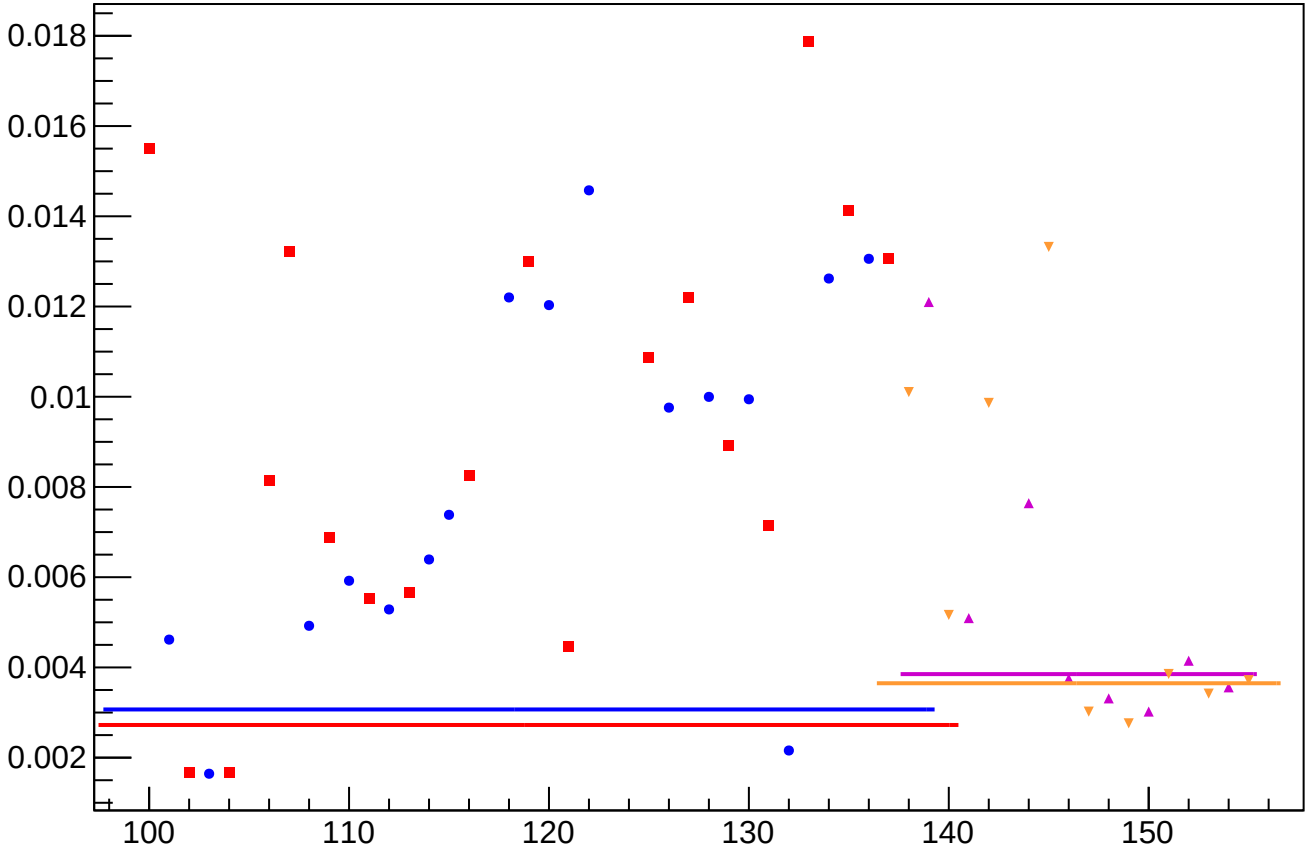
In: 142.071+/-0.030 χ^2/NDF:5548572.9/23

Out: 125.292+/-0.028 χ^2/NDF:7850431.4/26

All: 133.139+/-0.021 χ^2/NDF: 13561163.6/50


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 12.6/15
Left Out: -0.000+/-0.000 χ²/NDF:17.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 15.1/17
Left In: 0.000+/-0.000 χ²/NDF:3.5/7
Left: 0.000+/-0.000 χ²/NDF: 23.0/16
Right: -0.000+/-0.000 χ²/NDF: 28.1/33
In: 0.000+/-0.000 χ²/NDF:18.4/23
Out: -0.000+/-0.000 χ²/NDF:32.9/26
All: 0.000+/-0.000 χ²/NDF: 51.5/50

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:2063817.7/8

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1414666.8/7

Left: 0.004+/-0.000 χ^2/NDF: 3495135.8/16

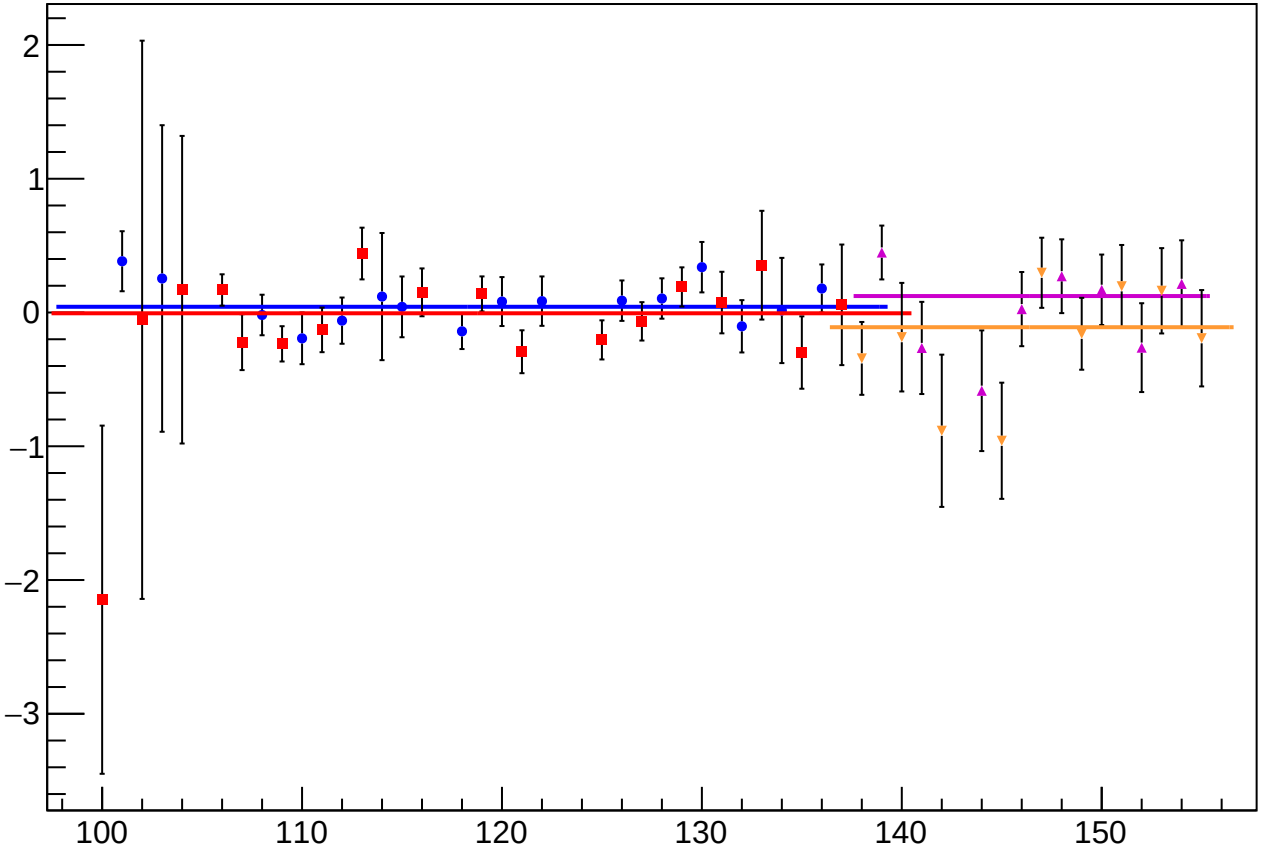
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.003+/-0.000 χ^2/NDF:7619641.5/23

Out: 0.003+/-0.000 χ^2/NDF:9177467.9/26

All: 0.003+/-0.000 χ^2/NDF: 16877563.9/50

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: -0.110+/-0.109 χ^2/NDF:10.6/8

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.123+/-0.101 χ^2/NDF:8.2/7

Left: 0.015+/-0.074 χ^2/NDF: 21.3/16

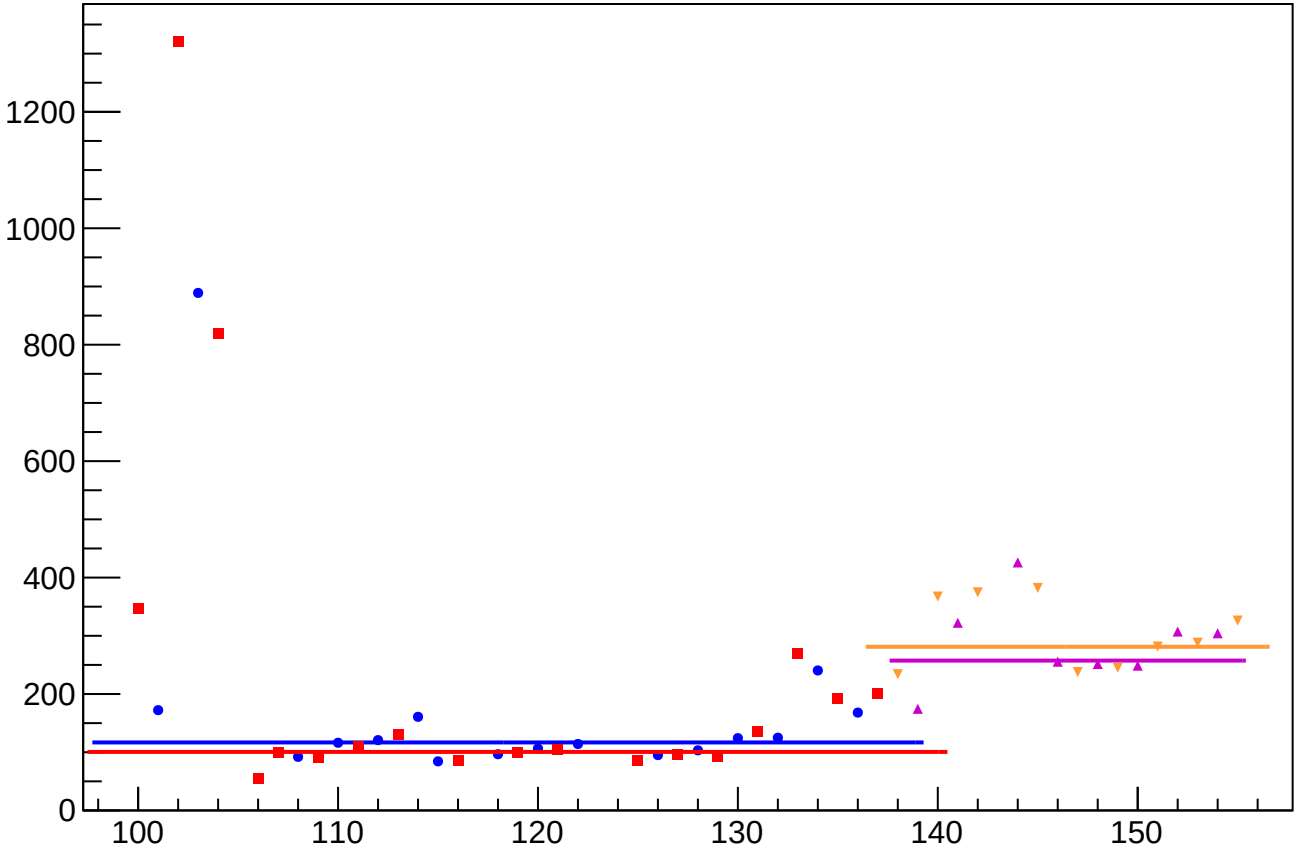
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.057+/-0.043 χ^2/NDF:19.0/23

Out: -0.020+/-0.040 χ^2/NDF:37.5/26

All: 0.016+/-0.029 χ^2/NDF: 58.2/50

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: 281.167+/-0.077 χ^2/NDF:435815.7/8

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 257.423+/-0.072 χ^2/NDF:779162.7/7

Left: 268.463+/-0.052 χ^2/NDF: 1265875.2/16

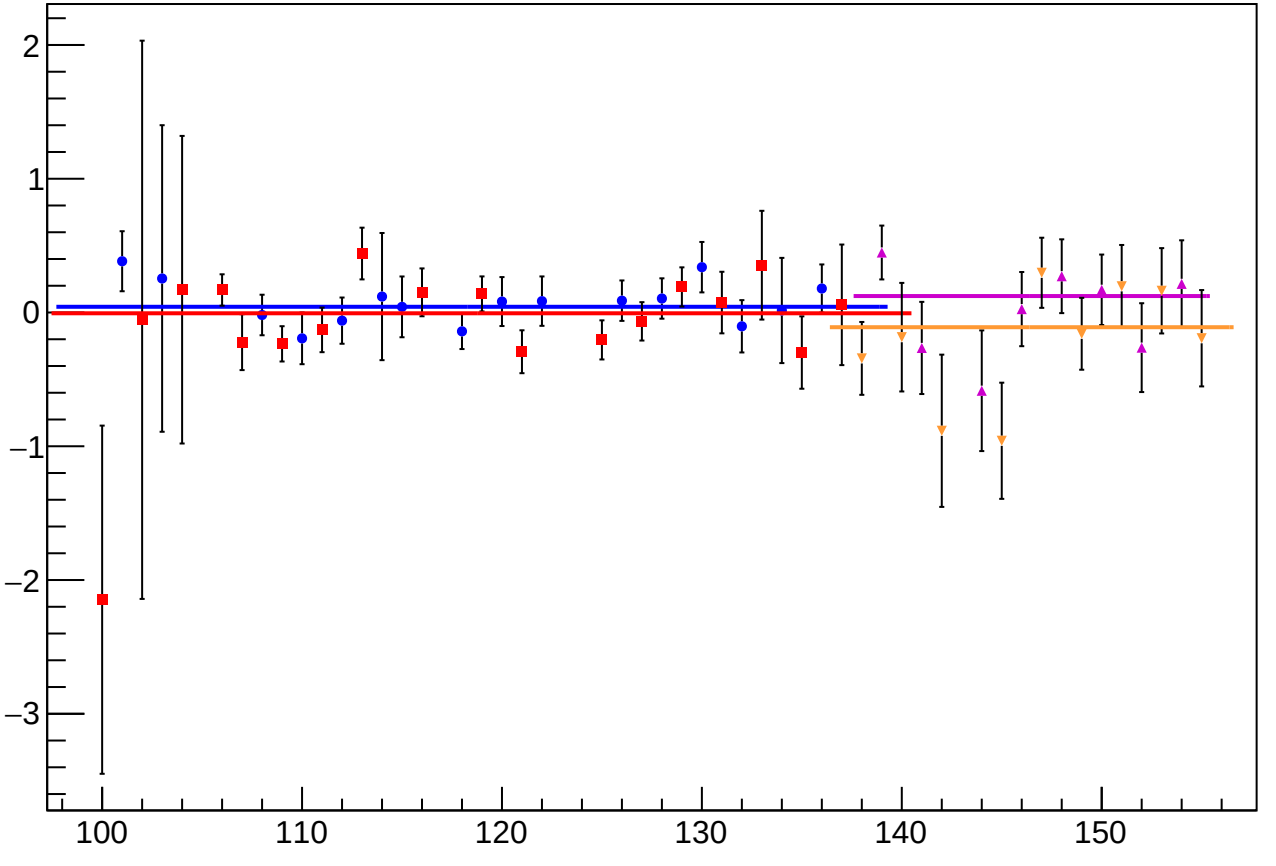
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 142.071+/-0.030 χ^2/NDF:5548636.8/23

Out: 125.290+/-0.028 χ^2/NDF:7850629.1/26

All: 133.138+/-0.021 χ^2/NDF: 13561447.3/50

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: -0.110+/-0.109 χ^2/NDF:10.6/8

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.123+/-0.101 χ^2/NDF:8.2/7

Left: 0.015+/-0.074 χ^2/NDF: 21.3/16

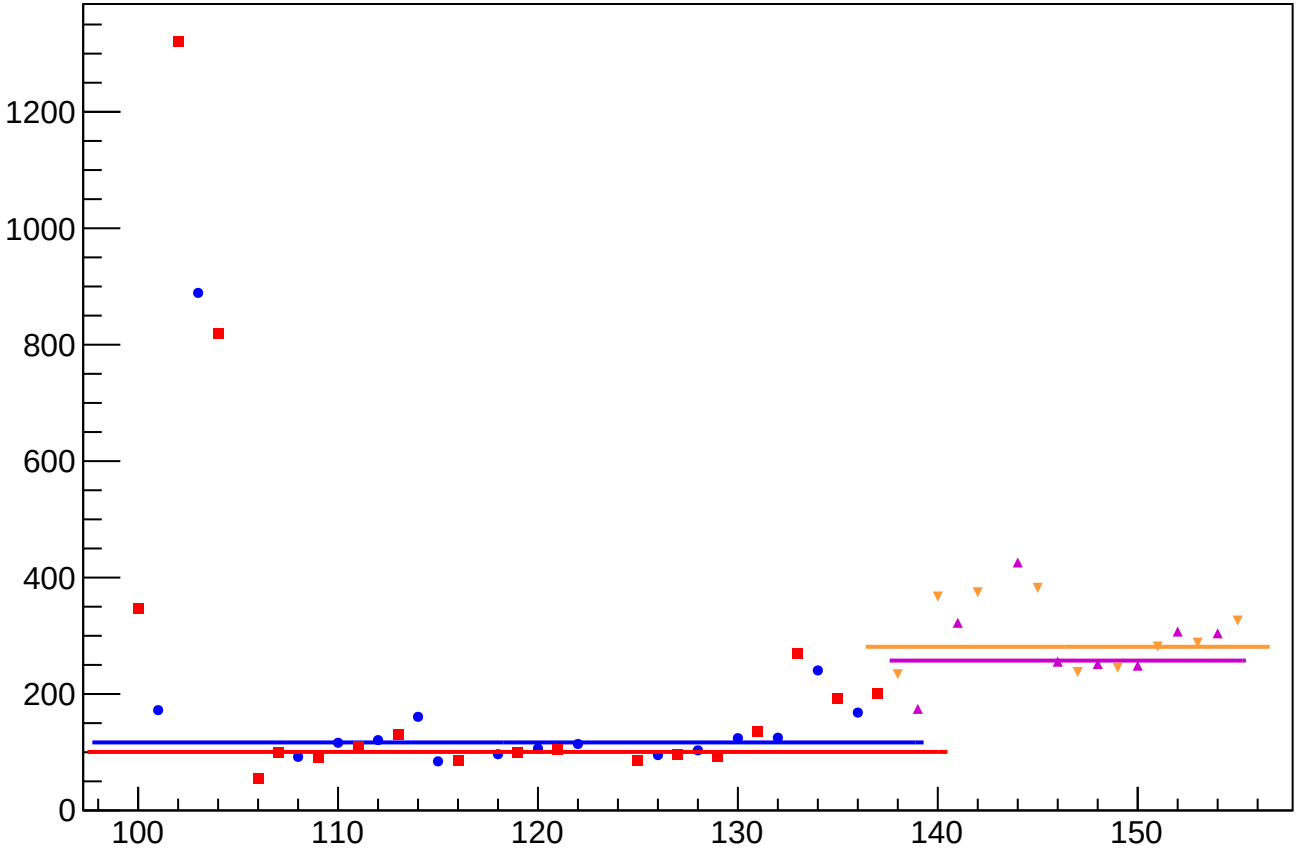
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.057+/-0.043 χ^2/NDF:19.0/23

Out: -0.020+/-0.040 χ^2/NDF:37.5/26

All: 0.016+/-0.029 χ^2/NDF: 58.2/50

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: 281.167+/-0.077 χ^2/NDF:435815.7/8

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 257.423+/-0.072 χ^2/NDF:779162.7/7

Left: 268.463+/-0.052 χ^2/NDF: 1265875.2/16

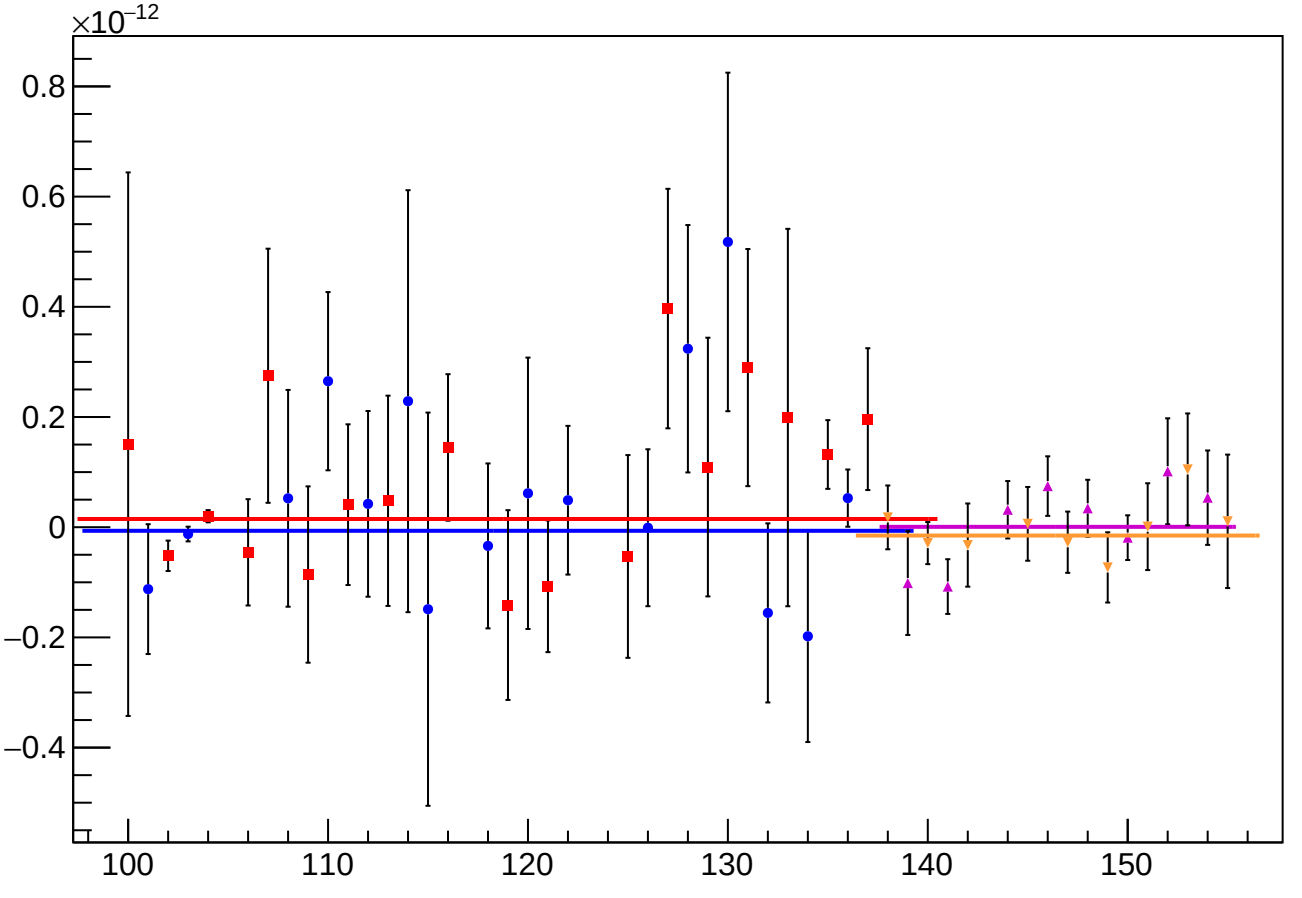
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 142.071+/-0.030 χ^2/NDF:5548636.8/23

Out: 125.290+/-0.028 χ^2/NDF:7850629.1/26

All: 133.138+/-0.021 χ^2/NDF: 13561447.3/50

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:10.3/7

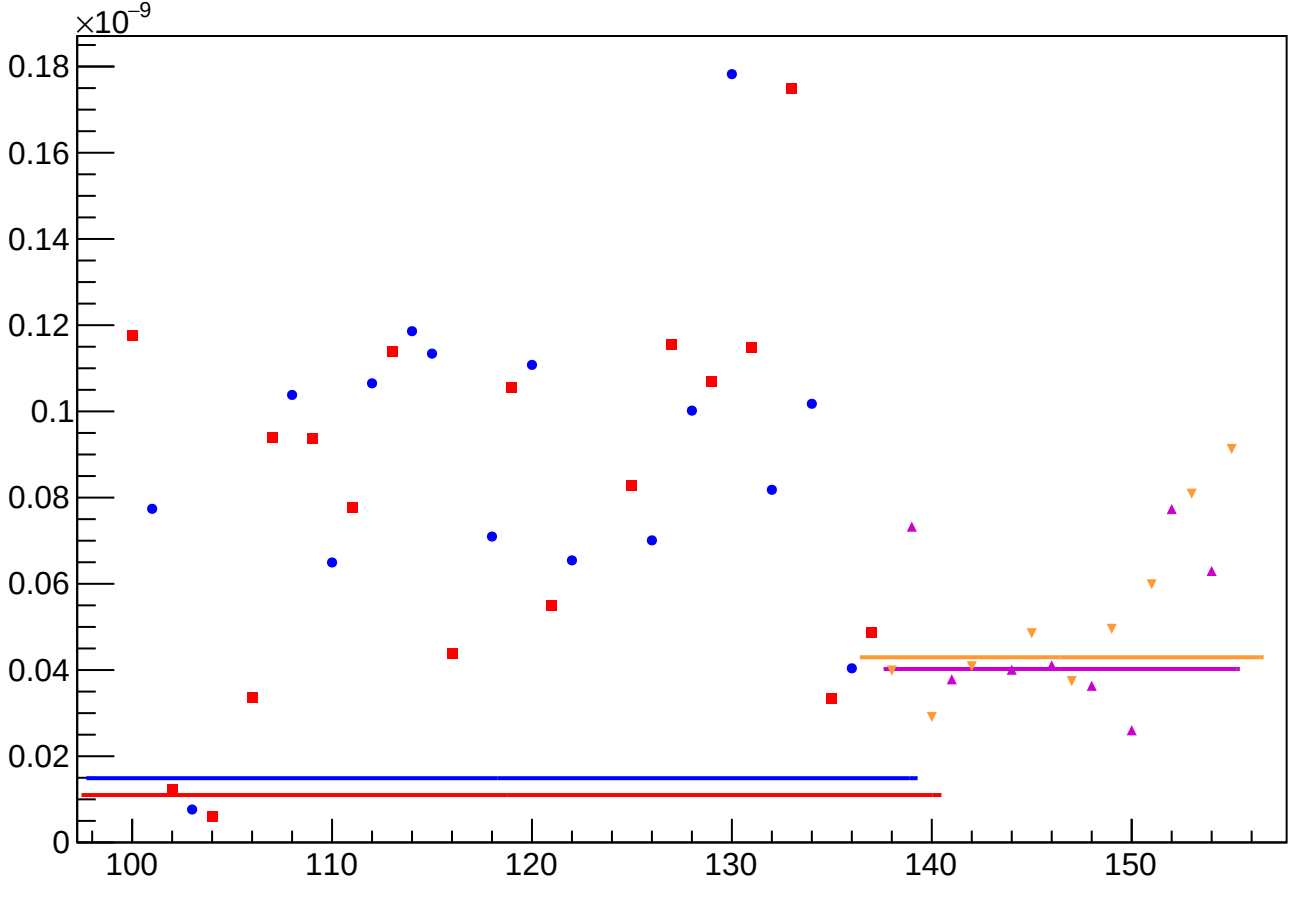
Left: -0.000+/-0.000 χ^2/NDF: 13.6/16

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: -0.000+/-0.000 χ^2/NDF:23.4/23

Out: 0.000+/-0.000 χ^2/NDF:26.5/26

All: 0.000+/-0.000 χ^2/NDF: 51.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1015151.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:946386.9/7

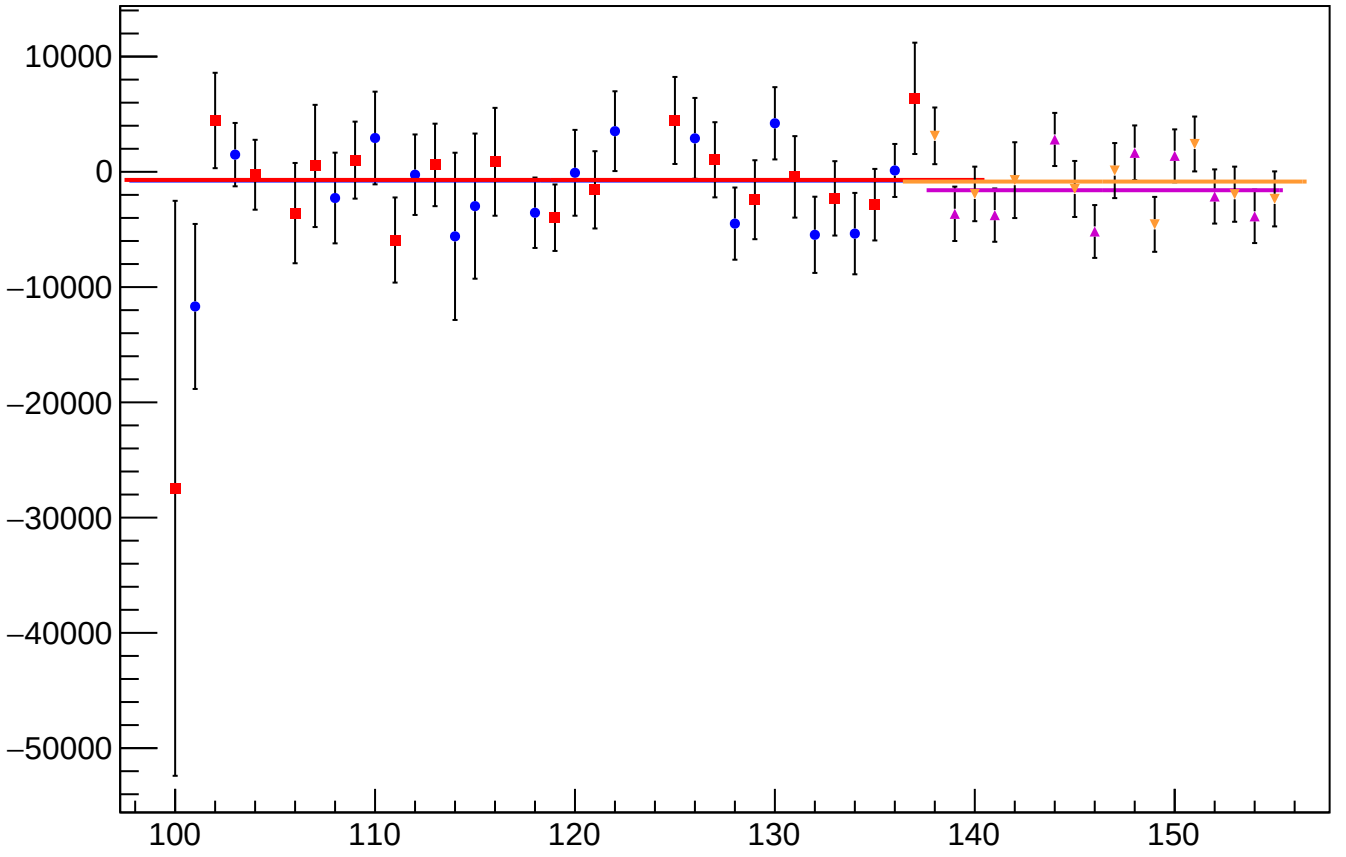
Left: 0.000+/-0.000 χ^2/NDF: 1978971.0/16

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:9119774.6/23

Out: 0.000+/-0.000 χ^2/NDF:10688447.2/26

All: 0.000+/-0.000 χ^2/NDF: 20077116.1/50



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -844.393+/-820.903 χ^2/NDF:8.0/8

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -1595.649+/-822.201 χ^2/NDF:12.3/7

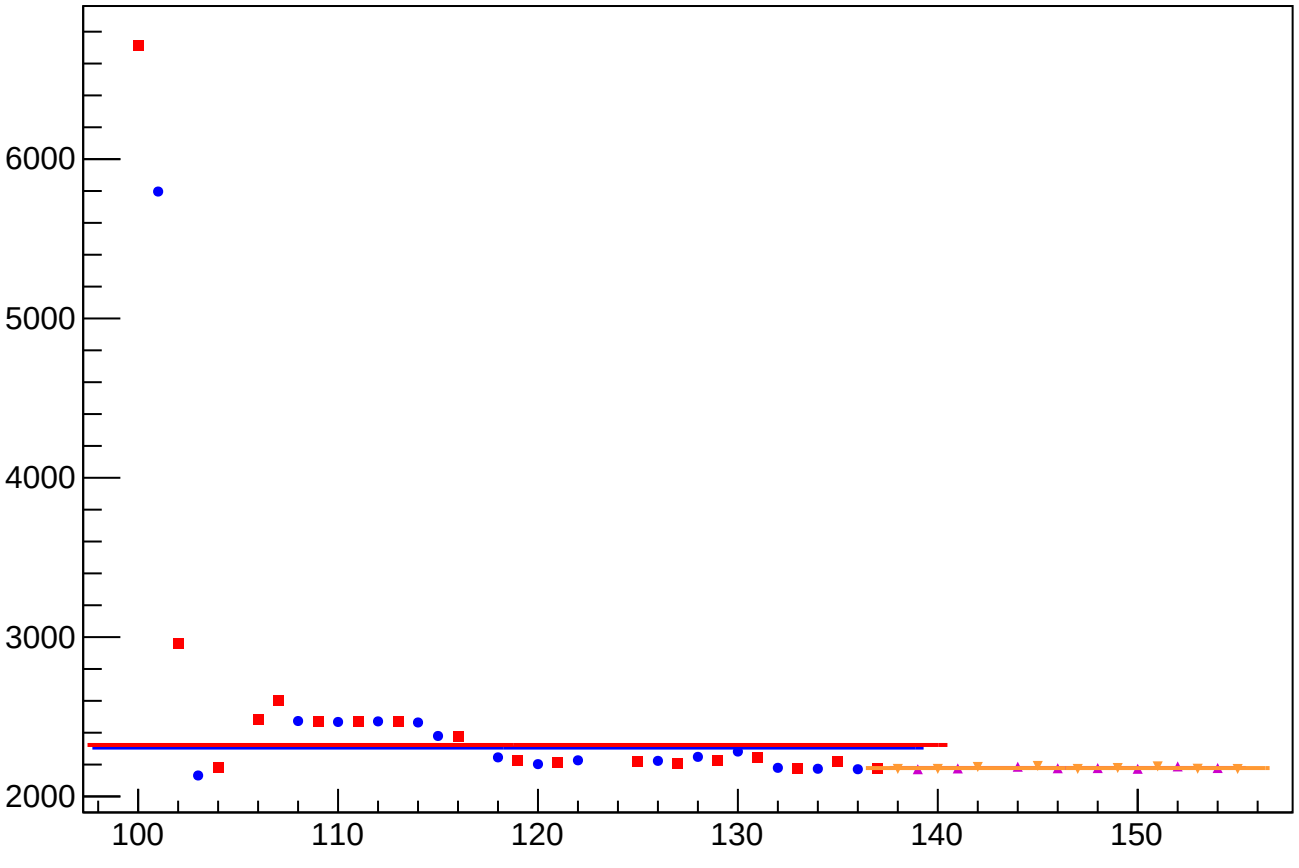
Left: -1219.427+/-580.924 χ^2/NDF: 20.7/16

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -1199.993+/-598.425 χ^2/NDF:28.7/23

Out: -777.310+/-596.631 χ^2/NDF:20.3/26

All: -988.017+/-422.515 χ^2/NDF: 49.2/50



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.077+/-0.580 χ^2/NDF:154.7/8

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2178.684+/-0.581 χ^2/NDF:93.5/7

Left: 2178.380+/-0.411 χ^2/NDF: 248.7/16

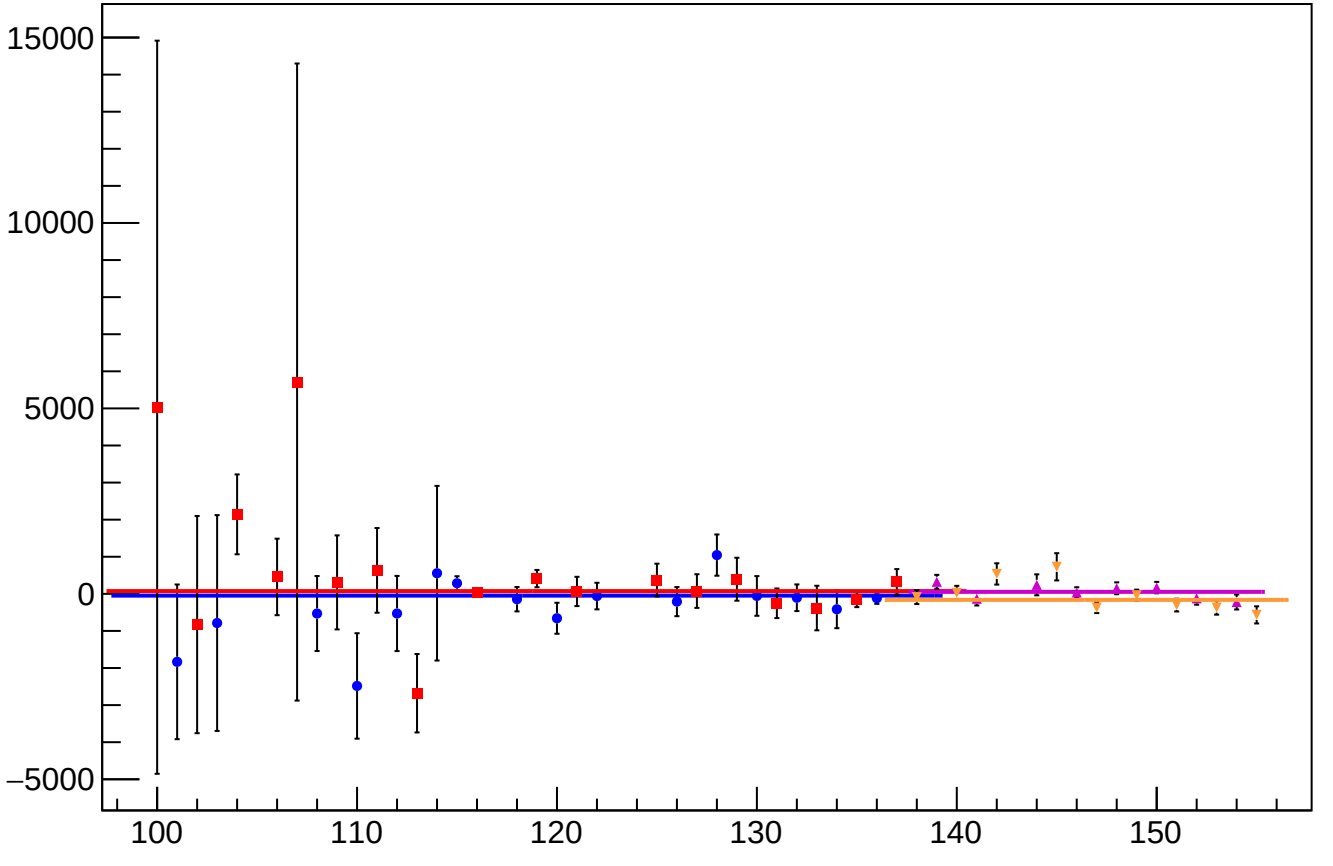
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2238.858+/-0.423 χ^2/NDF:537023.9/23

Out: 2246.451+/-0.422 χ^2/NDF:181353.0/26

All: 2242.666+/-0.299 χ^2/NDF: 718538.4/50

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: -162.880+/-63.639 χ^2/NDF:20.7/8

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 53.286+/-61.806 χ^2/NDF:7.4/7

Left: -51.640+/-44.337 χ^2/NDF: 34.0/16

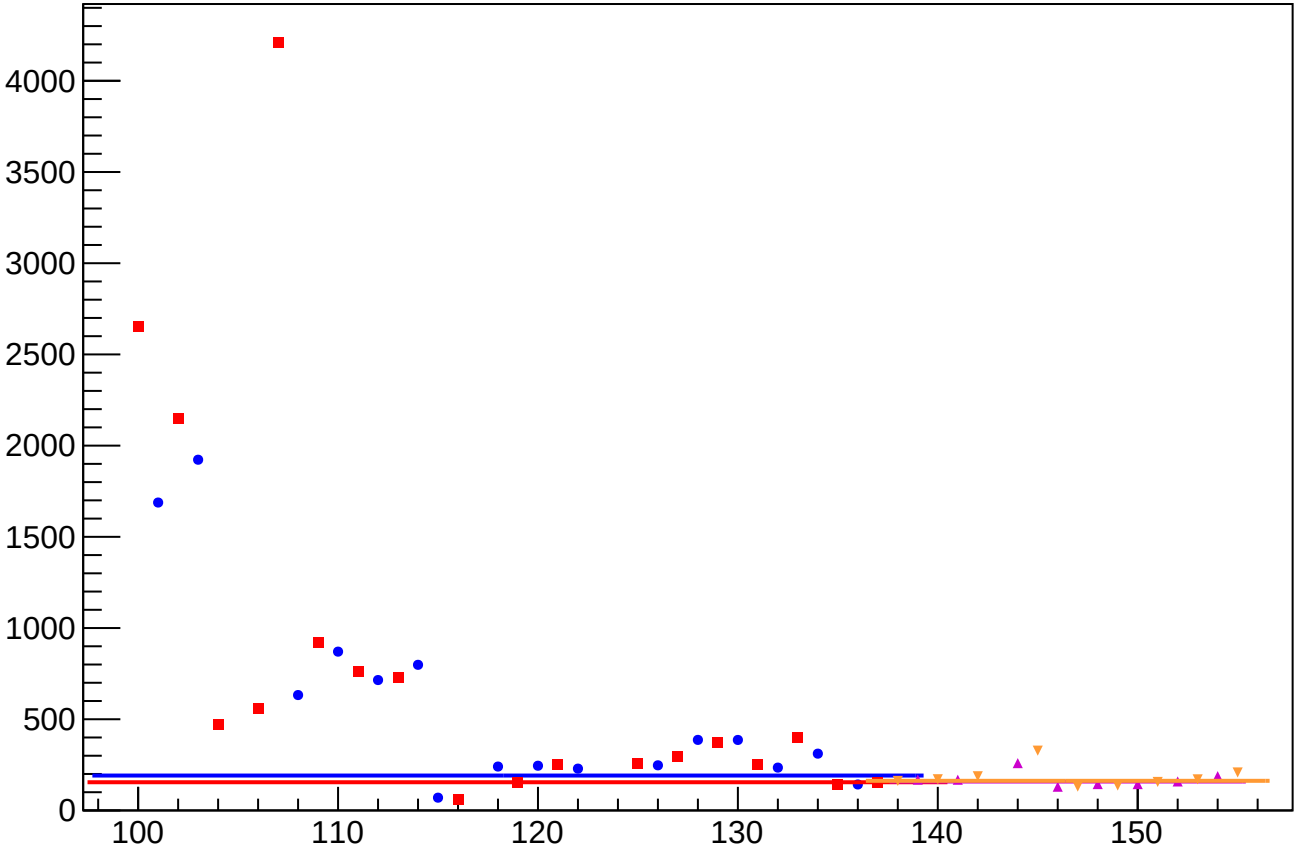
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 21.294+/-51.113 χ^2/NDF:22.6/23

Out: -74.281+/-50.363 χ^2/NDF:43.5/26

All: -27.200+/-35.874 χ^2/NDF: 67.9/50

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: 162.486+/-0.045 χ^2/NDF:662644.2/8

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 158.564+/-0.044 χ^2/NDF:424122.9/7

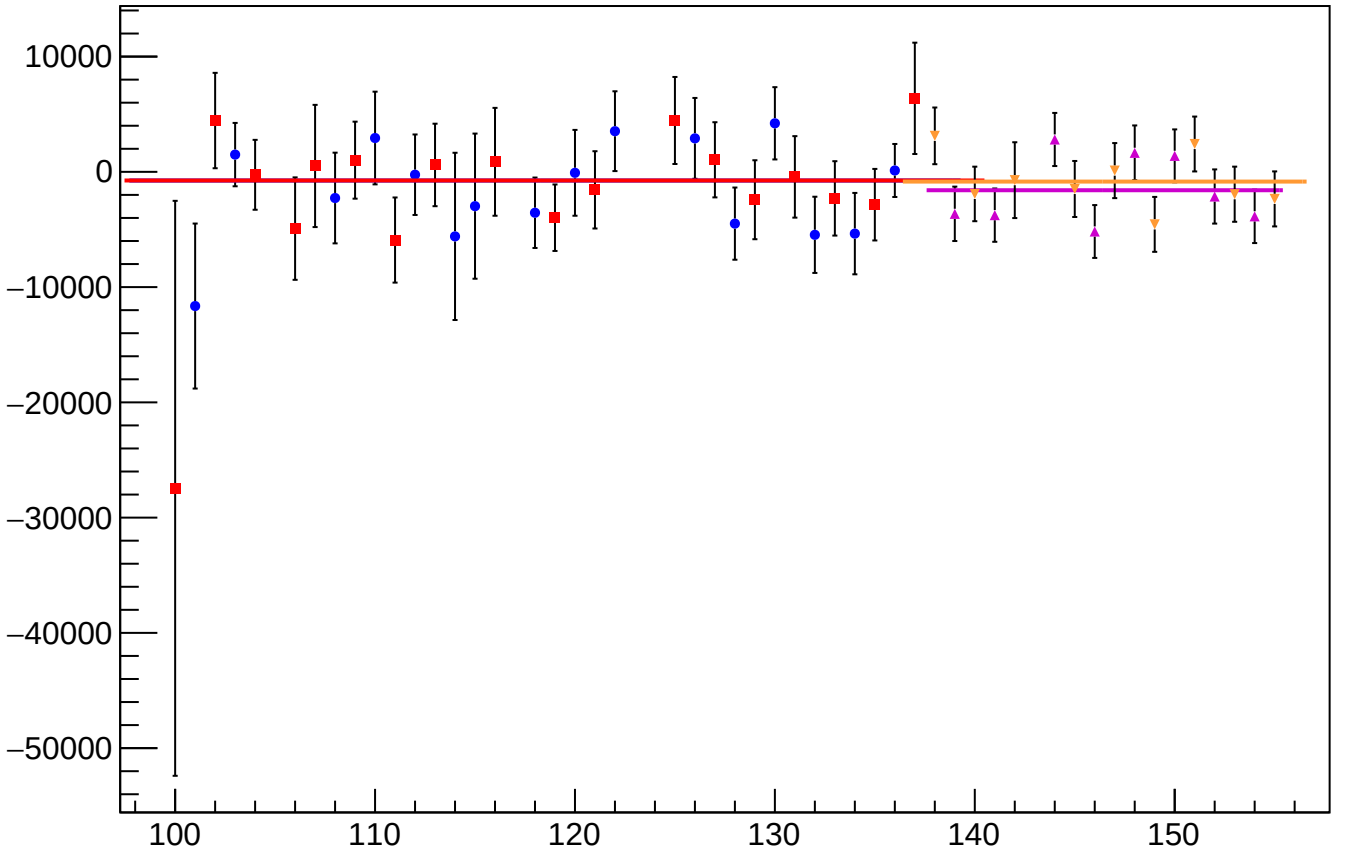
Left: 160.468+/-0.031 χ^2/NDF: 1090676.9/16

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 168.937+/-0.036 χ^2/NDF:5667093.9/23

Out: 159.568+/-0.036 χ^2/NDF:6828185.3/26

All: 164.183+/-0.025 χ^2/NDF: 12529374.9/50



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -844.411+/-820.903 χ^2/NDF:7.9/8

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -1595.595+/-822.201 χ^2/NDF:12.3/7

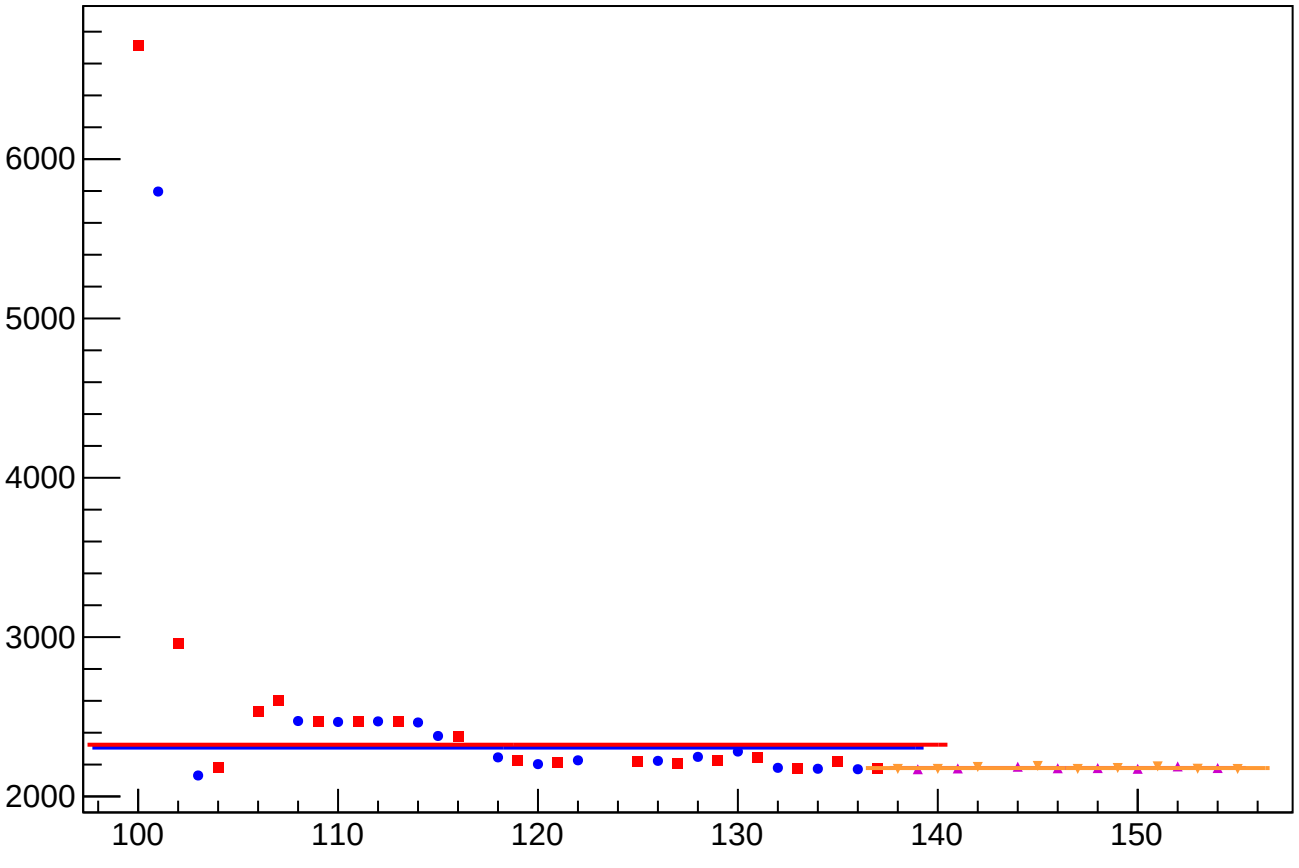
Left: -1219.409+/-580.924 χ^2/NDF: 20.6/16

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1199.508+/-598.425 χ^2/NDF:28.6/23

Out: -799.588+/-596.864 χ^2/NDF:20.8/26

All: -999.026+/-422.597 χ^2/NDF: 49.6/50



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.077+/-0.580 χ^2/NDF:154.7/8

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2178.684+/-0.581 χ^2/NDF:93.5/7

Left: 2178.380+/-0.411 χ^2/NDF: 248.7/16

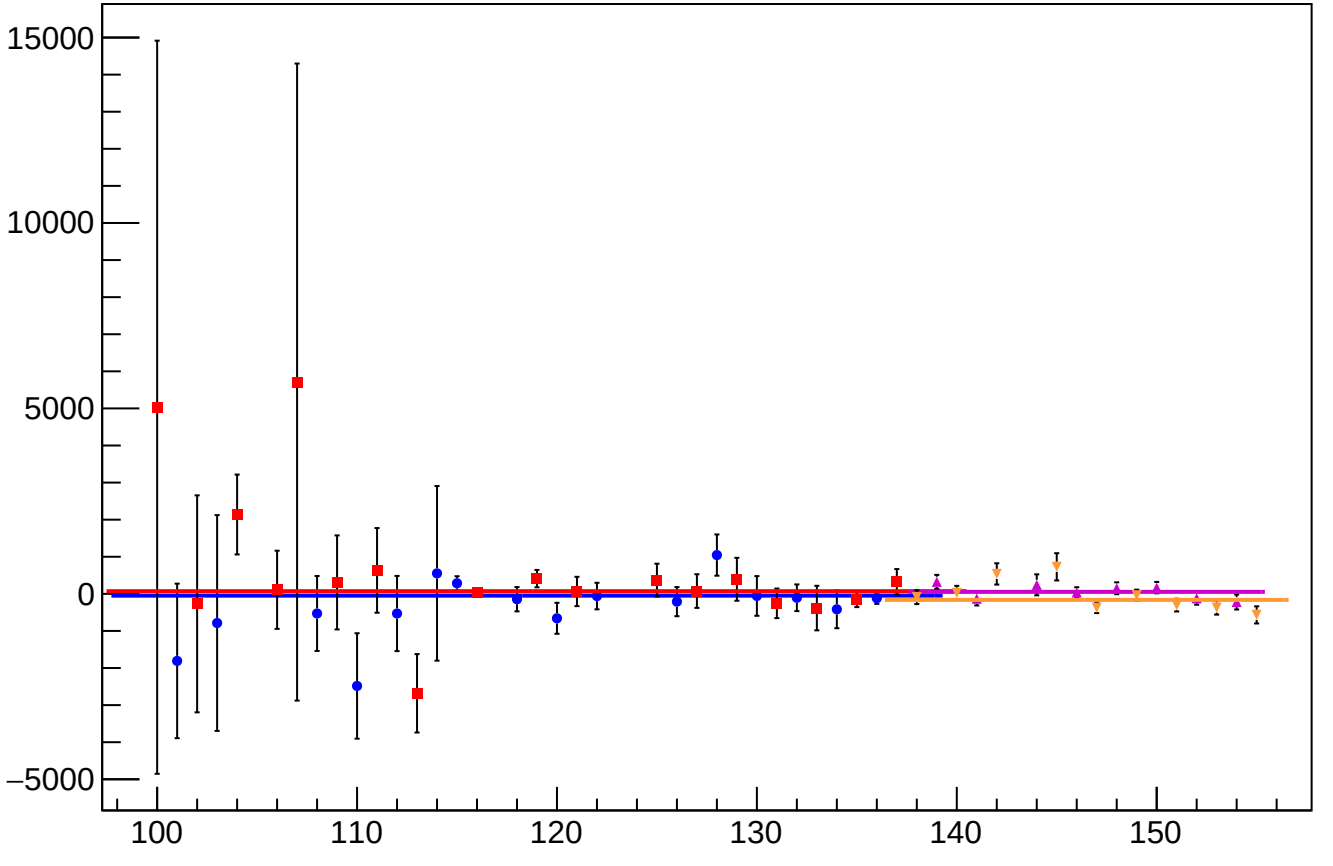
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2238.858+/-0.423 χ^2/NDF:537024.2/23

Out: 2247.181+/-0.422 χ^2/NDF:183801.5/26

All: 2243.030+/-0.299 χ^2/NDF: 721019.7/50

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: -162.843+/-63.640 χ^2/NDF:20.7/8

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 53.303+/-61.812 χ^2/NDF:7.4/7

Left: -51.621+/-44.340 χ^2/NDF: 33.9/16

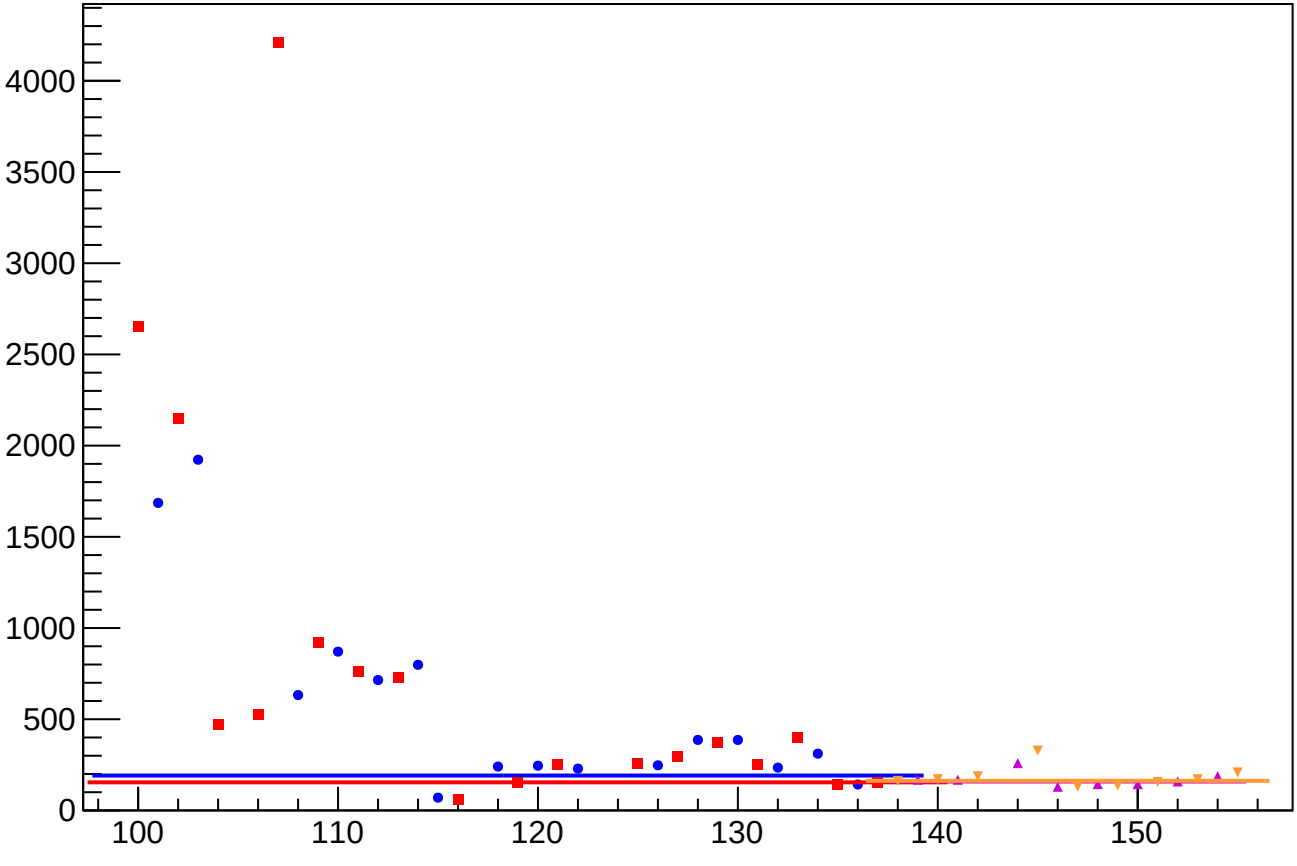
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 21.294+/-51.117 χ^2/NDF:22.6/23

Out: -74.921+/-50.349 χ^2/NDF:43.2/26

All: -27.542+/-35.871 χ^2/NDF: 67.5/50

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: 162.489+/-0.045 χ^2/NDF:662694.7/8

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 158.580+/-0.044 χ^2/NDF:424089.3/7

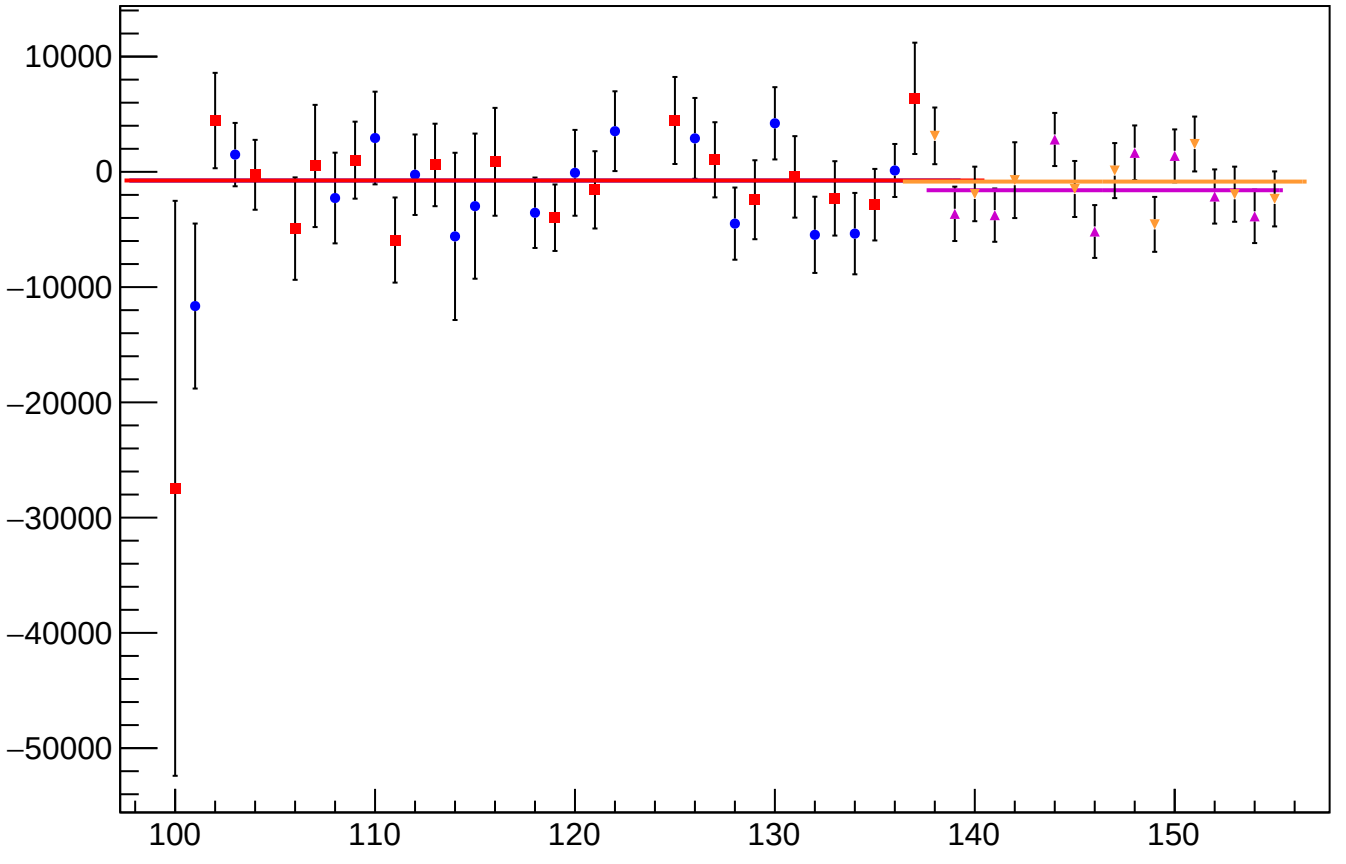
Left: 160.477+/-0.031 χ^2/NDF: 1090666.8/16

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 168.956+/-0.036 χ^2/NDF:5665983.9/23

Out: 159.359+/-0.036 χ^2/NDF:6784292.9/26

All: 164.084+/-0.025 χ^2/NDF: 12486058.4/50



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -844.411+/-820.903 χ^2/NDF:7.9/8

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -1595.595+/-822.201 χ^2/NDF:12.3/7

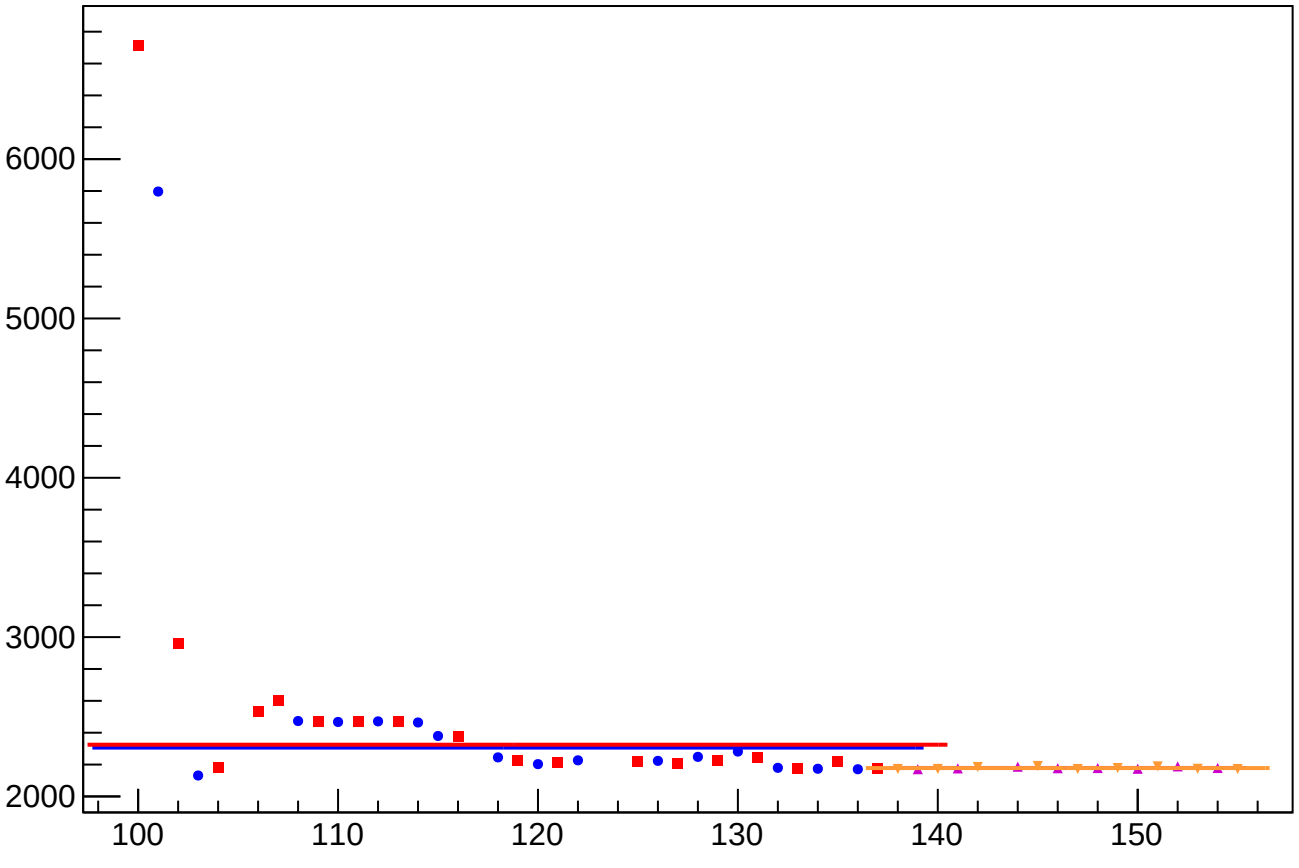
Left: -1219.409+/-580.924 χ^2/NDF: 20.6/16

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1199.508+/-598.425 χ^2/NDF:28.6/23

Out: -799.588+/-596.864 χ^2/NDF:20.8/26

All: -999.026+/-422.597 χ^2/NDF: 49.6/50



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.077+/-0.580 χ^2/NDF:154.7/8

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2178.684+/-0.581 χ^2/NDF:93.5/7

Left: 2178.380+/-0.411 χ^2/NDF: 248.7/16

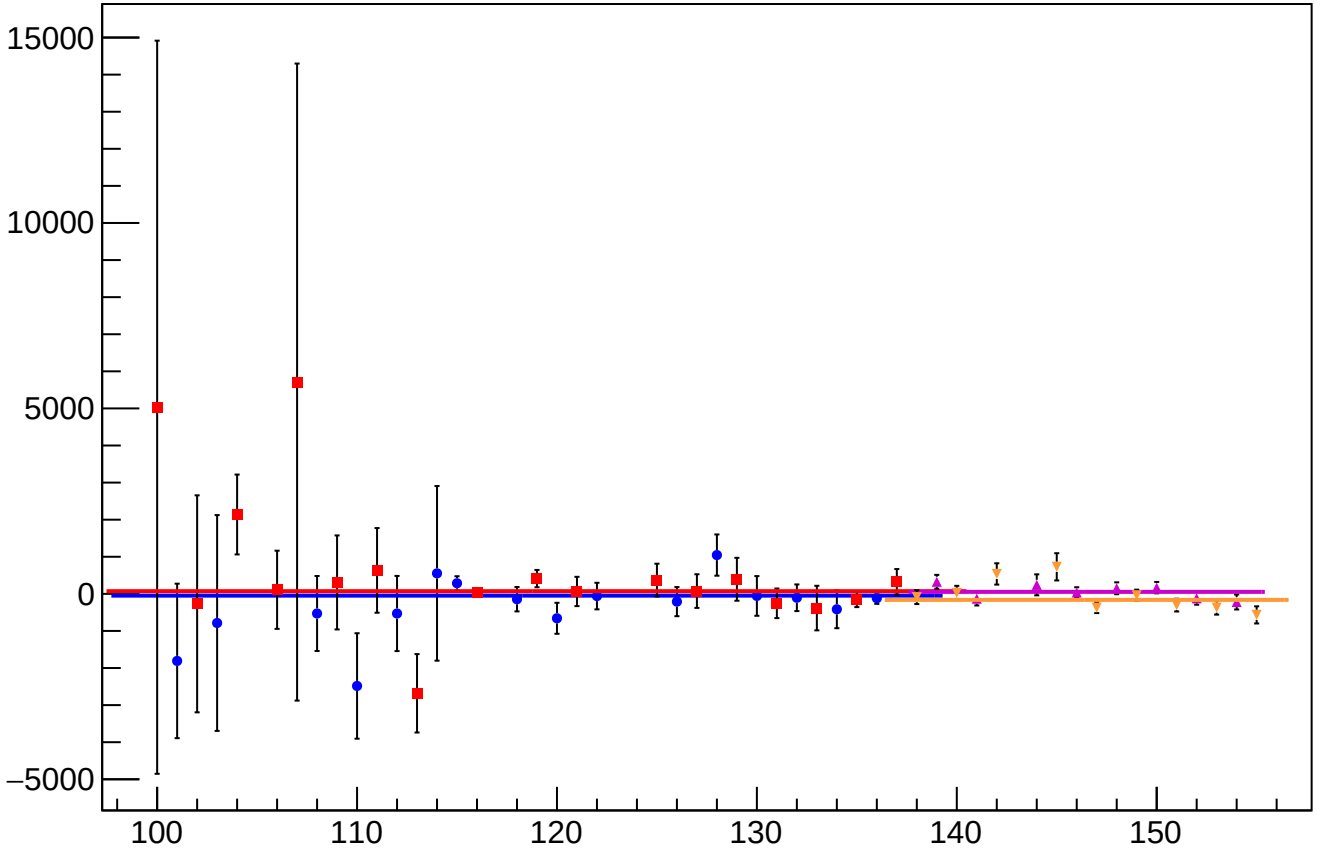
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2238.858+/-0.423 χ^2/NDF:537024.2/23

Out: 2247.181+/-0.422 χ^2/NDF:183801.5/26

All: 2243.030+/-0.299 χ^2/NDF: 721019.7/50

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: -162.843+/-63.640 χ^2/NDF:20.7/8

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 53.303+/-61.812 χ^2/NDF:7.4/7

Left: -51.621+/-44.340 χ^2/NDF: 33.9/16

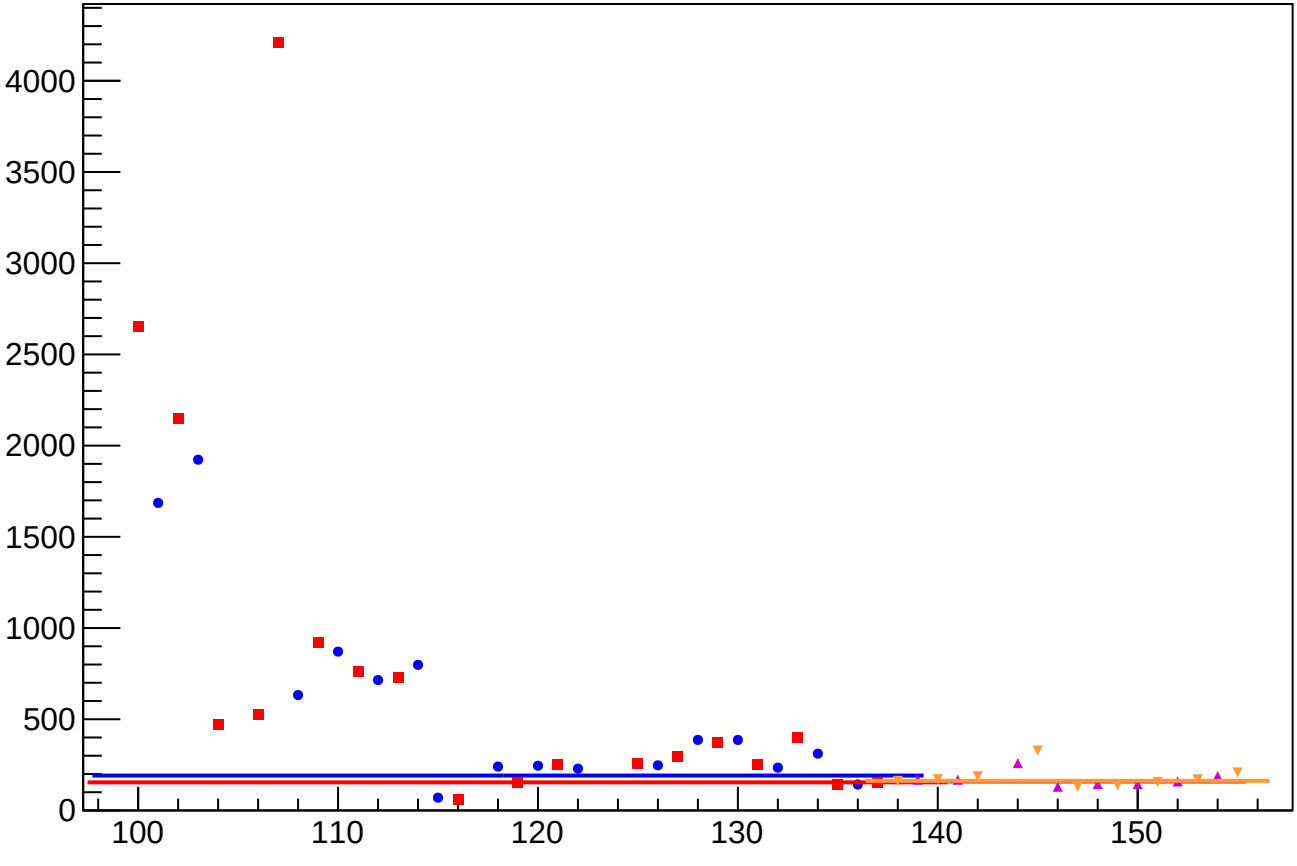
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 21.294+/-51.117 χ^2/NDF:22.6/23

Out: -74.921+/-50.349 χ^2/NDF:43.2/26

All: -27.542+/-35.871 χ^2/NDF: 67.5/50

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: 162.489+/-0.045 χ^2/NDF:662694.7/8

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 158.580+/-0.044 χ^2/NDF:424089.3/7

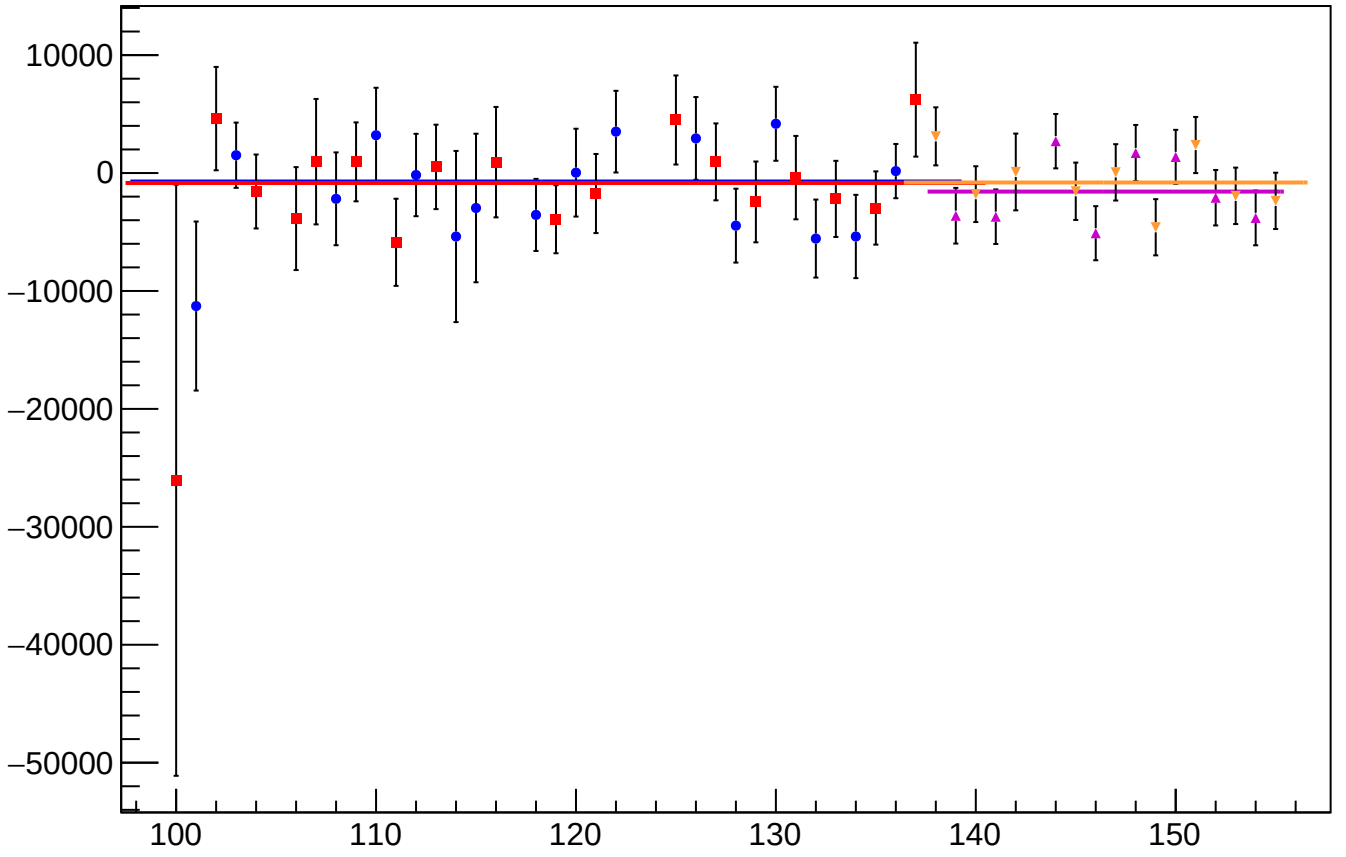
Left: 160.477+/-0.031 χ^2/NDF: 1090666.8/16

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 168.956+/-0.036 χ^2/NDF:5665983.9/23

Out: 159.359+/-0.036 χ^2/NDF:6784292.9/26

All: 164.084+/-0.025 χ^2/NDF: 12486058.4/50



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -801.128+/-820.627 χ^2/NDF:8.0/8

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -1573.275+/-822.497 χ^2/NDF:11.9/7

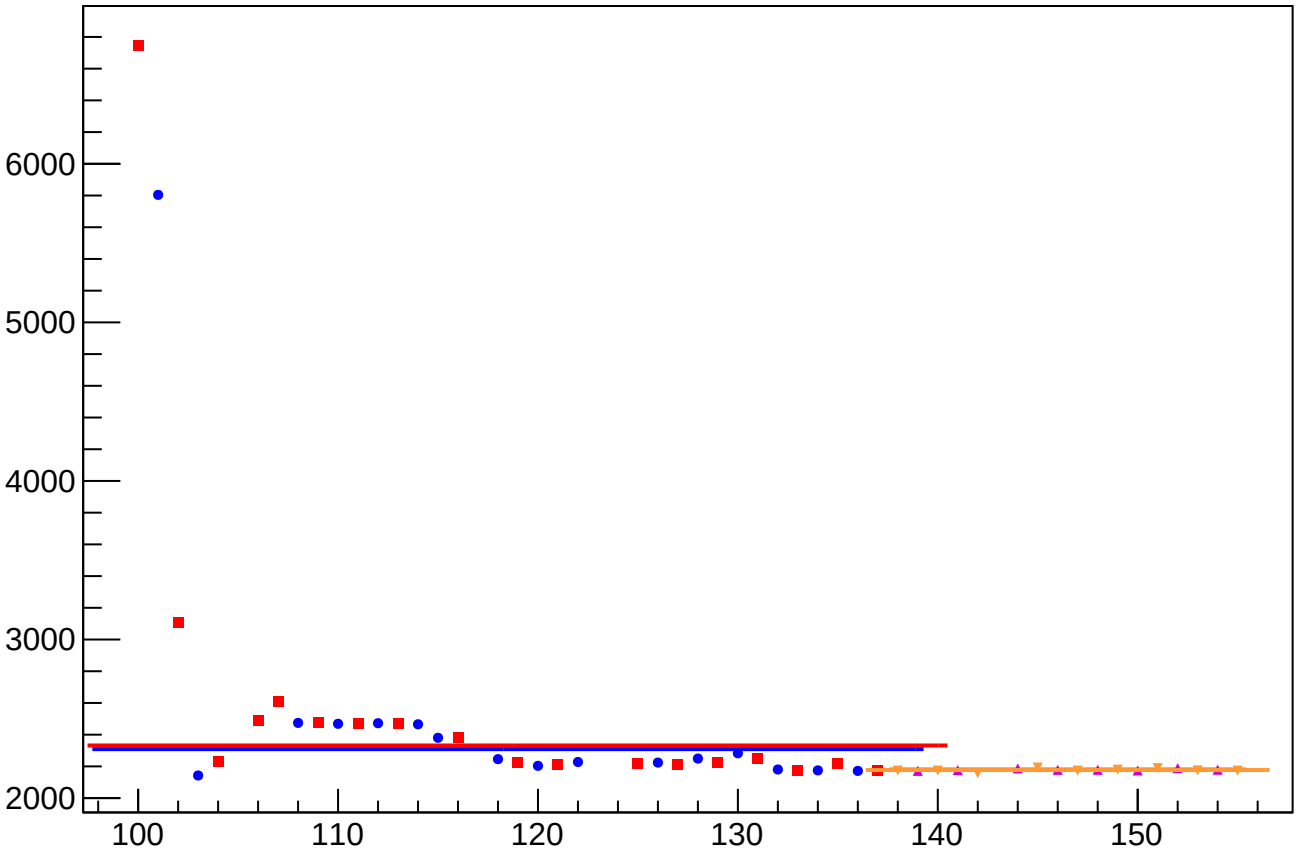
Left: -1186.323+/-580.931 χ^2/NDF: 20.3/16

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -1170.948+/-598.825 χ^2/NDF:28.3/23

Out: -820.361+/-598.118 χ^2/NDF:20.1/26

All: -995.447+/-423.183 χ^2/NDF: 48.6/50



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2176.981+/-0.580 χ^2/NDF:235.5/8

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2179.469+/-0.582 χ^2/NDF:90.8/7

Left: 2178.222+/-0.411 χ^2/NDF: 335.4/16

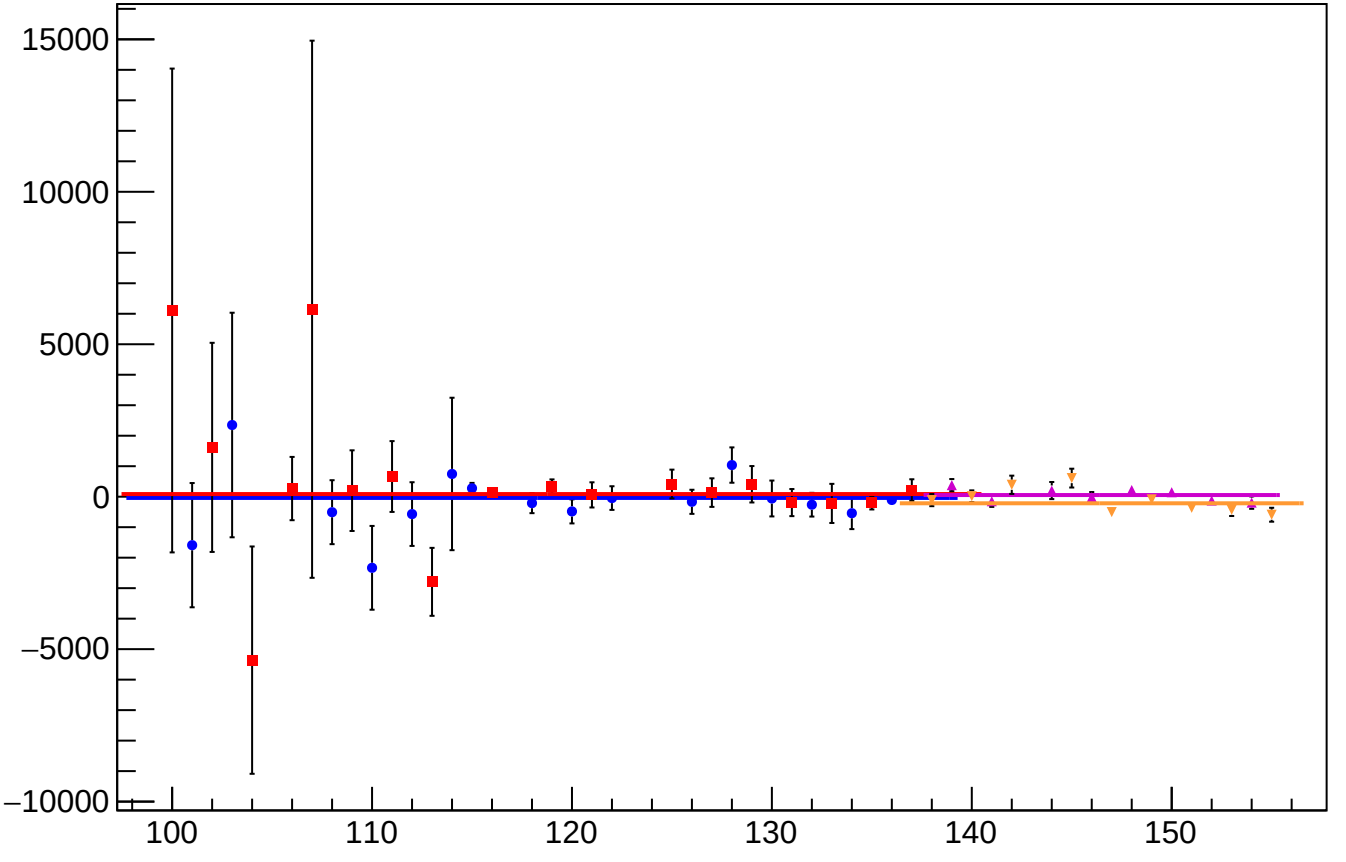
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2240.217+/-0.423 χ^2/NDF:537049.5/23

Out: 2249.579+/-0.423 χ^2/NDF:200947.9/26

All: 2244.904+/-0.299 χ^2/NDF: 738242.1/50

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: -216.233+/-64.392 χ^2/NDF:21.9/8

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 54.273+/-63.244 χ^2/NDF:8.5/7

Left: -78.548+/-45.121 χ^2/NDF: 39.4/16

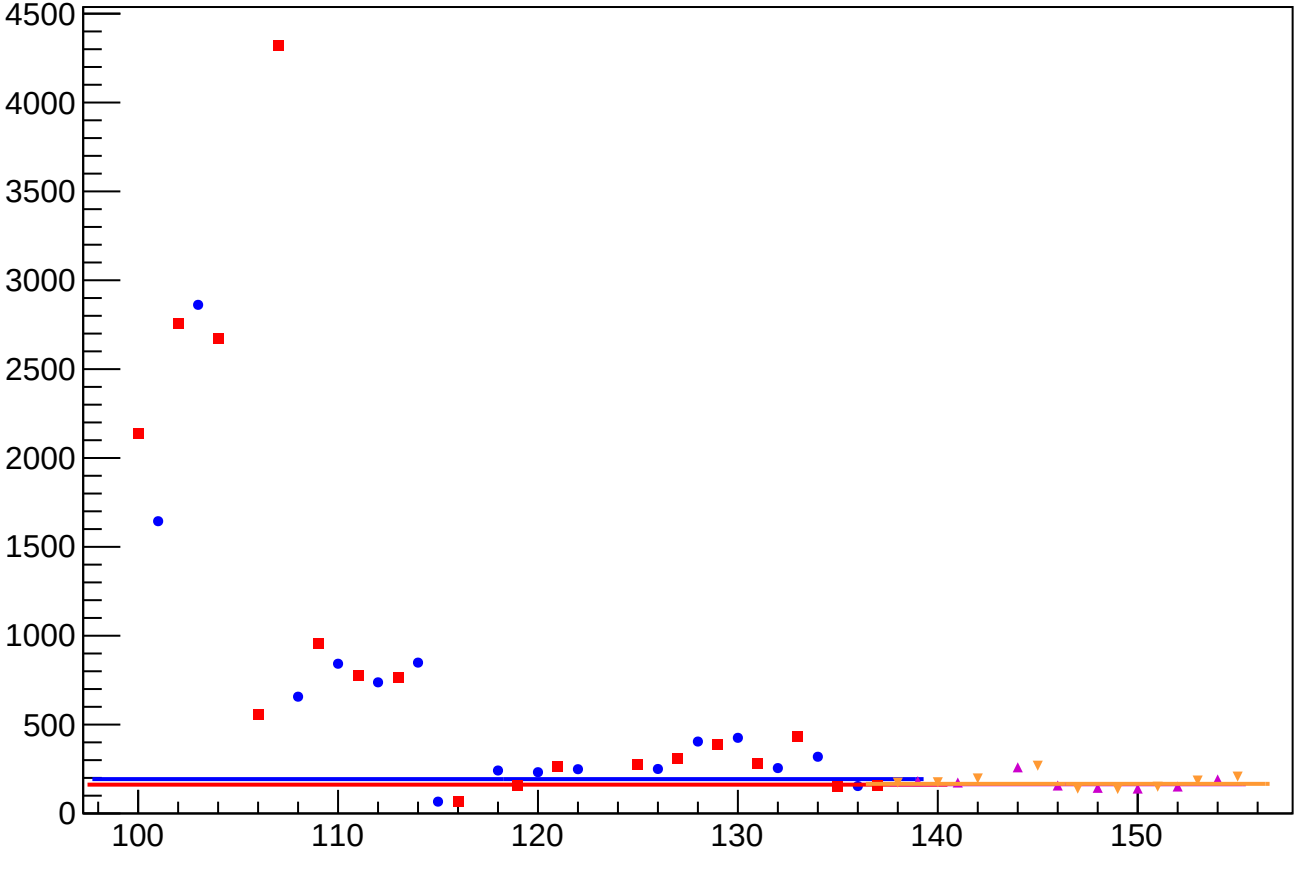
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 24.163+/-52.191 χ^2/NDF:23.3/23

Out: -107.669+/-51.563 χ^2/NDF:44.8/26

All: -42.551+/-36.681 χ^2/NDF: 71.3/50

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: 166.567+/-0.046 χ^2/NDF:483633.8/8

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 164.184+/-0.045 χ^2/NDF:389695.1/7

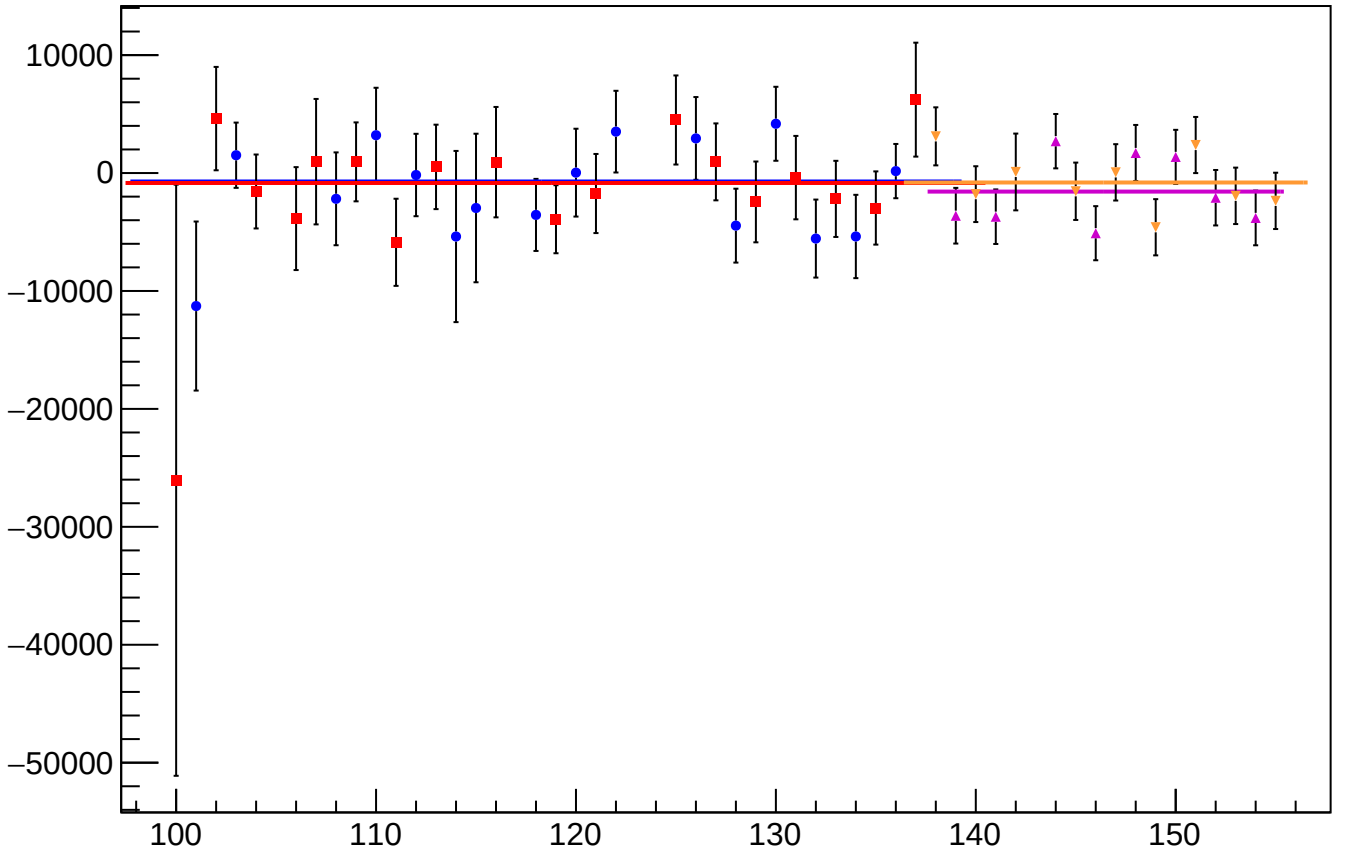
Left: 165.354+/-0.032 χ^2/NDF: 874723.3/16

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 173.457+/-0.037 χ^2/NDF:6142338.2/23

Out: 164.970+/-0.036 χ^2/NDF:7557555.0/26

All: 169.162+/-0.026 χ^2/NDF: 13726660.6/50



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -801.130+/-820.627 χ^2/NDF:8.0/8

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -1573.275+/-822.497 χ^2/NDF:11.9/7

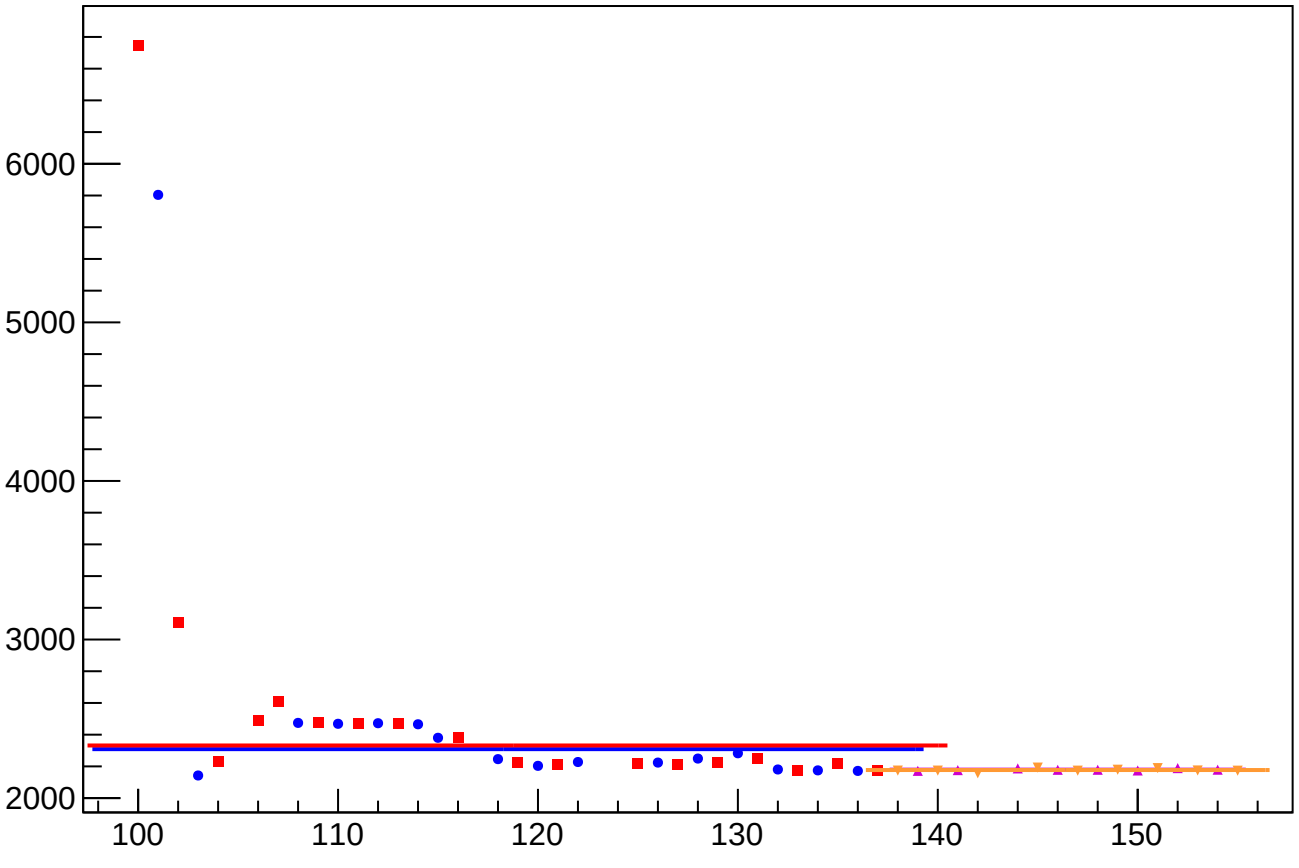
Left: -1186.324+/-580.931 χ^2/NDF: 20.3/16

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -1170.948+/-598.825 χ^2/NDF:28.3/23

Out: -820.363+/-598.118 χ^2/NDF:20.1/26

All: -995.448+/-423.183 χ^2/NDF: 48.6/50



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2176.981+/-0.580 χ^2/NDF:235.5/8

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2179.469+/-0.582 χ^2/NDF:90.8/7

Left: 2178.222+/-0.411 χ^2/NDF: 335.4/16

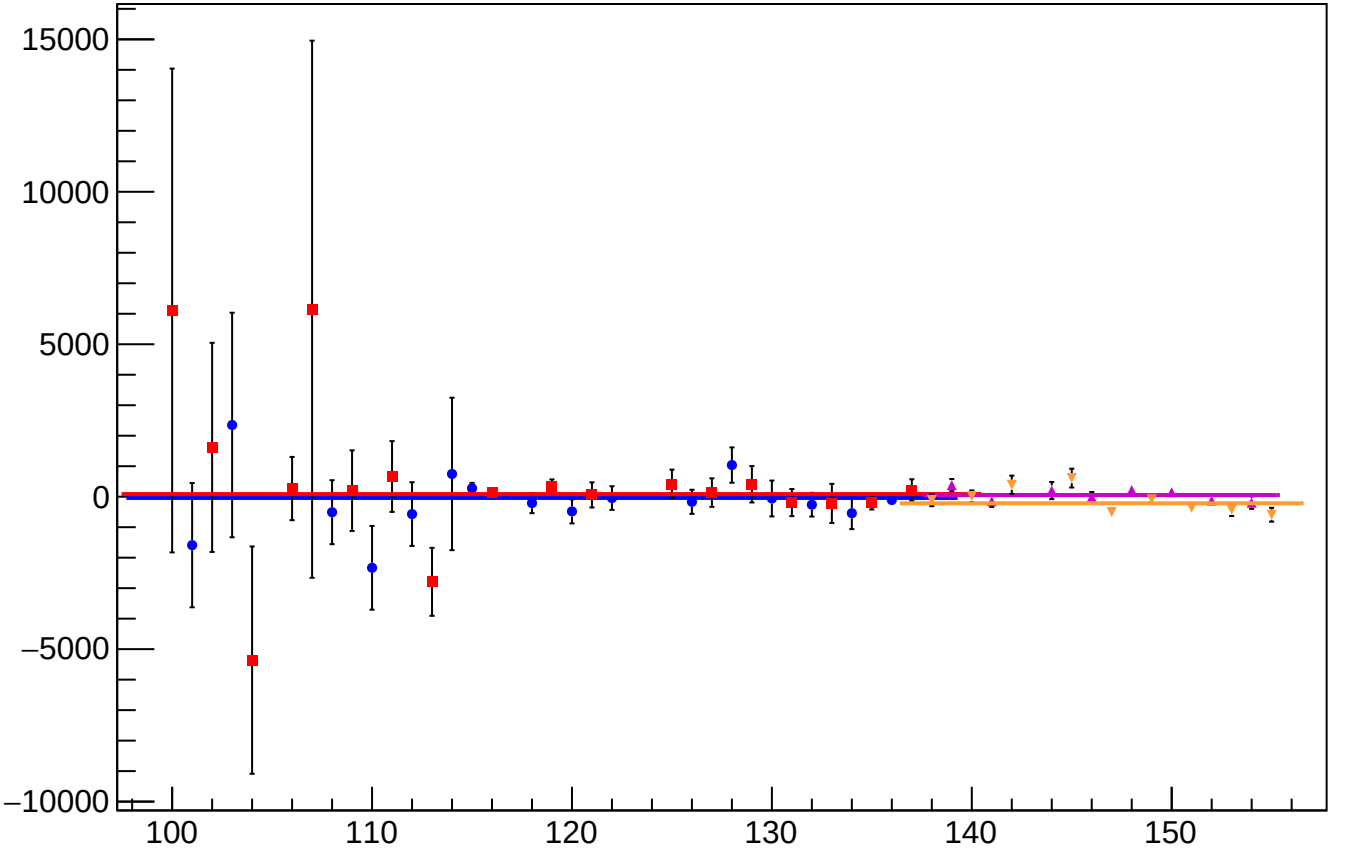
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2240.217+/-0.423 χ^2/NDF:537049.5/23

Out: 2249.579+/-0.423 χ^2/NDF:200947.8/26

All: 2244.904+/-0.299 χ^2/NDF: 738242.0/50

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: -216.235+/-64.392 χ^2/NDF:21.9/8

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 54.270+/-63.244 χ^2/NDF:8.5/7

Left: -78.550+/-45.121 χ^2/NDF: 39.4/16

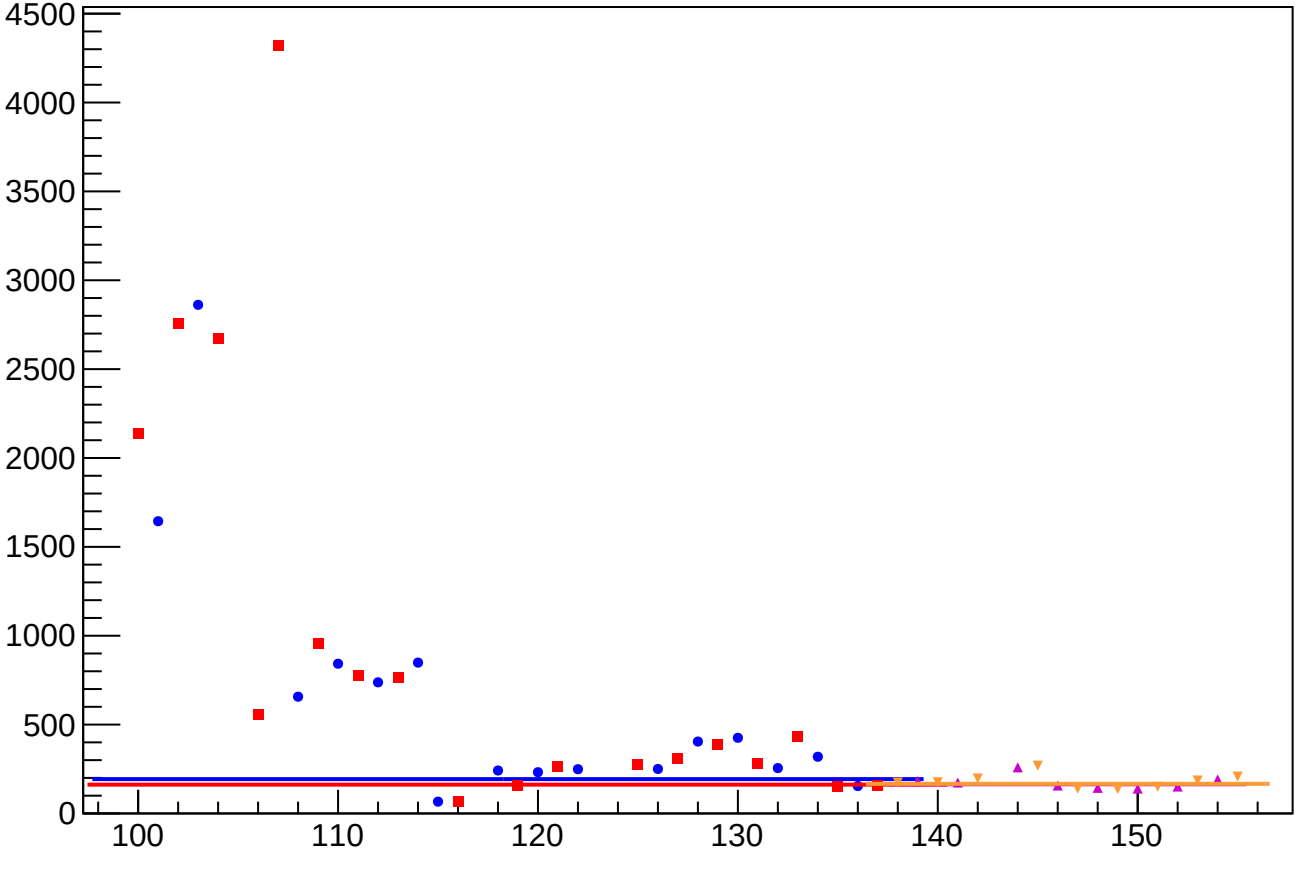
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 24.162+/-52.191 χ^2/NDF:23.3/23

Out: -107.668+/-51.563 χ^2/NDF:44.8/26

All: -42.551+/-36.681 χ^2/NDF: 71.3/50

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: 166.568+/-0.046 χ^2/NDF:483615.3/8

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 164.185+/-0.045 χ^2/NDF:389684.8/7

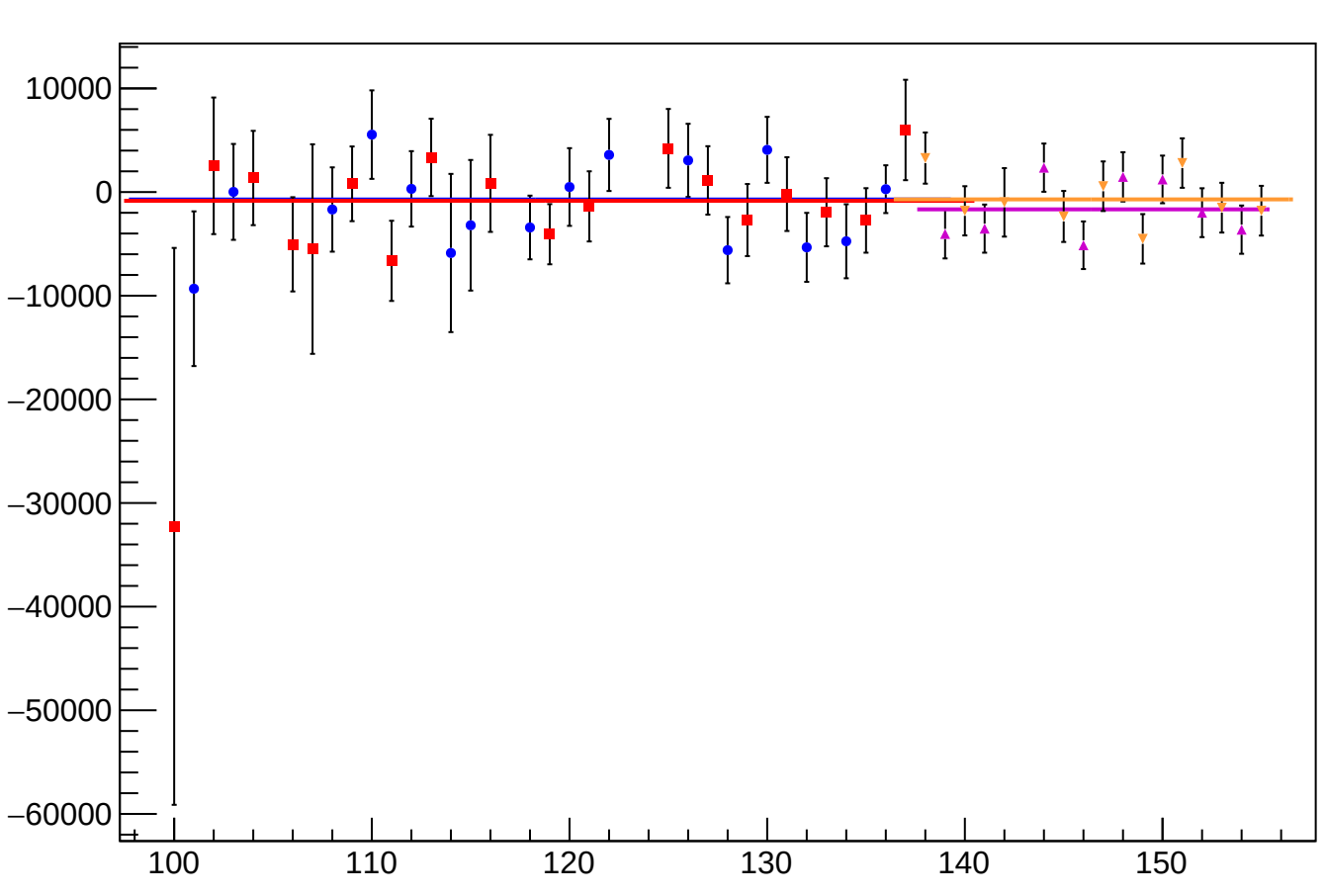
Left: 165.355+/-0.032 χ^2/NDF: 874694.8/16

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 173.457+/-0.037 χ^2/NDF:6142340.0/23

Out: 164.969+/-0.036 χ^2/NDF:7557600.1/26

All: 169.162+/-0.026 χ^2/NDF: 13726708.6/50



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -706.483+/-824.433 χ^2/NDF:8.6/8

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -1668.947+/-825.371 χ^2/NDF:10.9/7

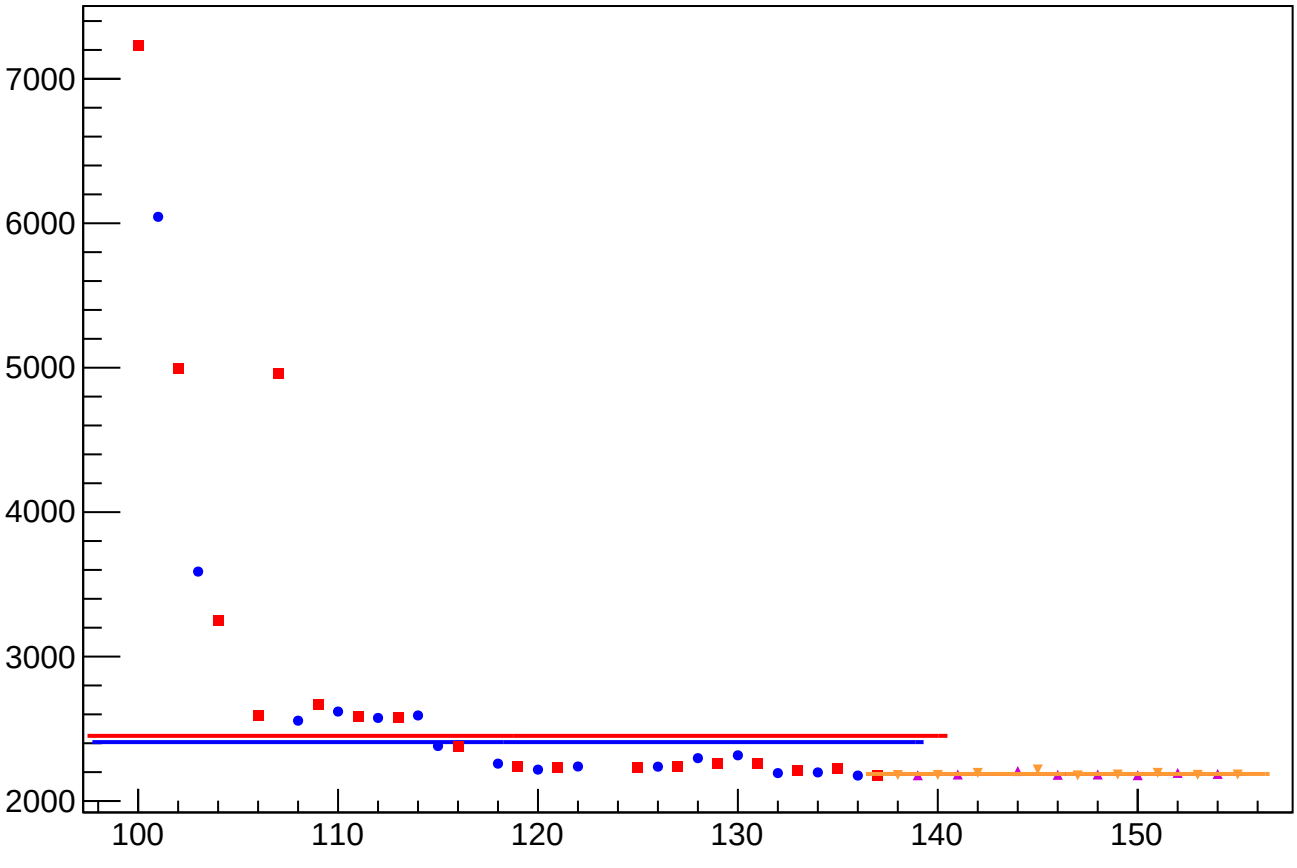
Left: -1187.168+/-583.293 χ^2/NDF: 20.2/16

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -1243.650+/-613.238 χ^2/NDF:27.3/23

Out: -767.449+/-616.545 χ^2/NDF:21.5/26

All: -1006.830+/-434.789 χ^2/NDF: 49.2/50



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2187.421+/-0.583 χ^2/NDF:434.7/8

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2187.065+/-0.584 χ^2/NDF:250.5/7

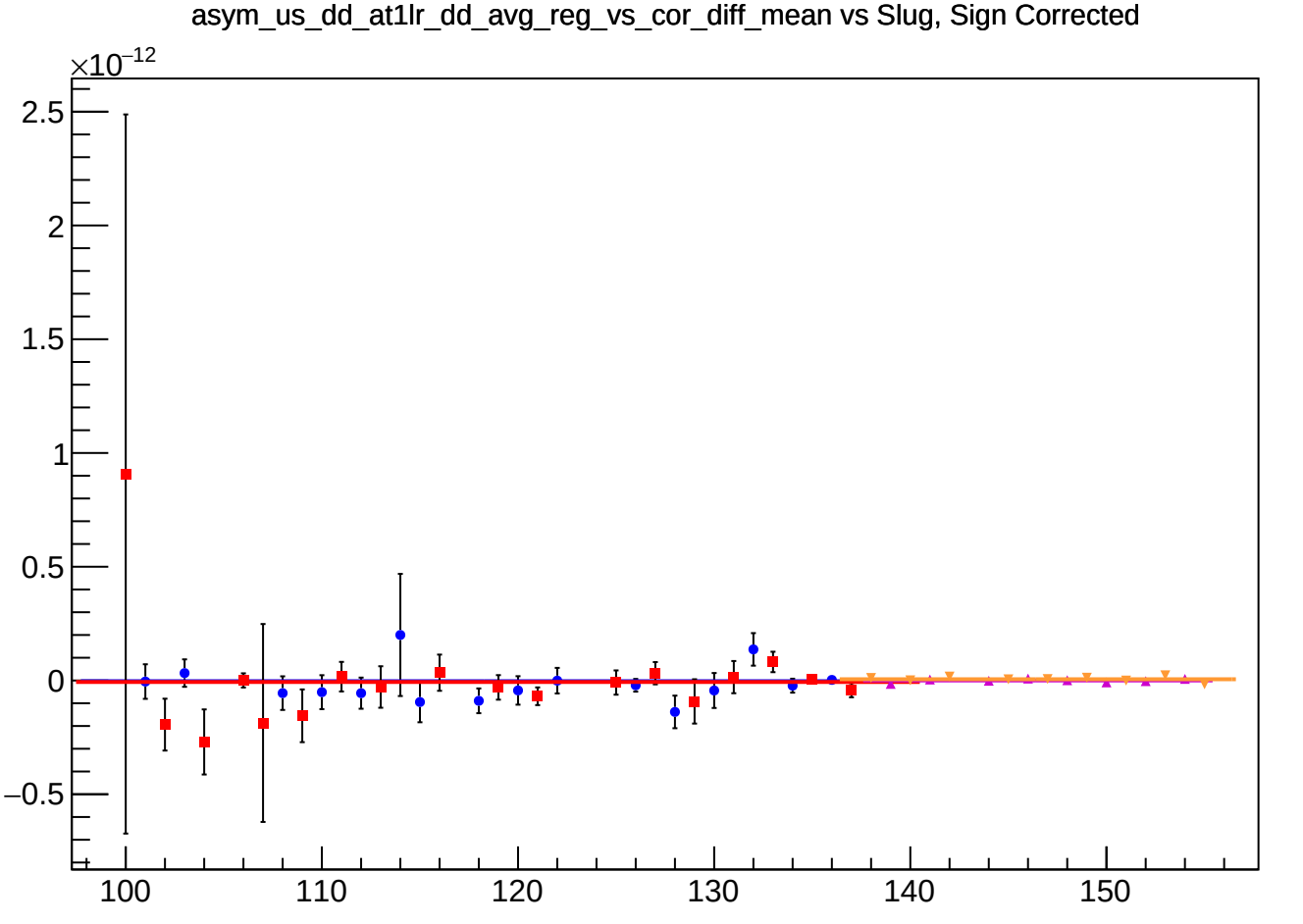
Left: 2187.243+/-0.412 χ^2/NDF: 685.3/16

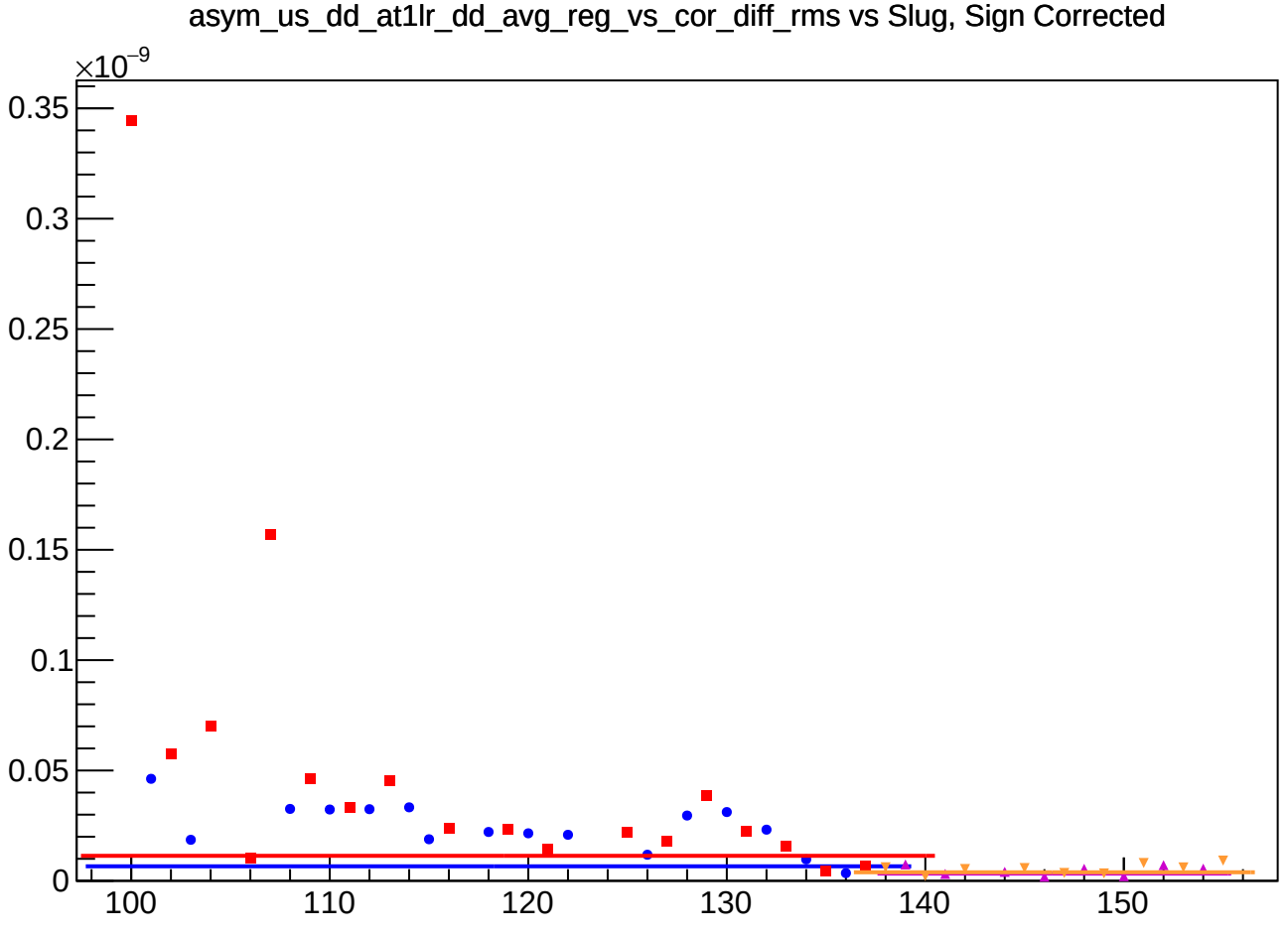
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2285.946+/-0.434 χ^2/NDF:741219.4/23

Out: 2303.673+/-0.436 χ^2/NDF:724262.7/26

All: 2294.762+/-0.307 χ^2/NDF: 1466313.2/50


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2.5
2
1.5
1
0.5
0
−0.5
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.6/15
Left Out: 0.000+/-0.000 χ²/NDF:7.8/8
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:8.2/7
Left: 0.000+/-0.000 χ²/NDF: 18.0/16
Right: -0.000+/-0.000 χ²/NDF: 34.5/33
In: -0.000+/-0.000 χ²/NDF:24.0/23
Out: 0.000+/-0.000 χ²/NDF:28.0/26
All: 0.000+/-0.000 χ²/NDF: 54.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1075414.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:876851.6/7

Left: 0.000+/-0.000 χ^2/NDF: 2006886.7/16

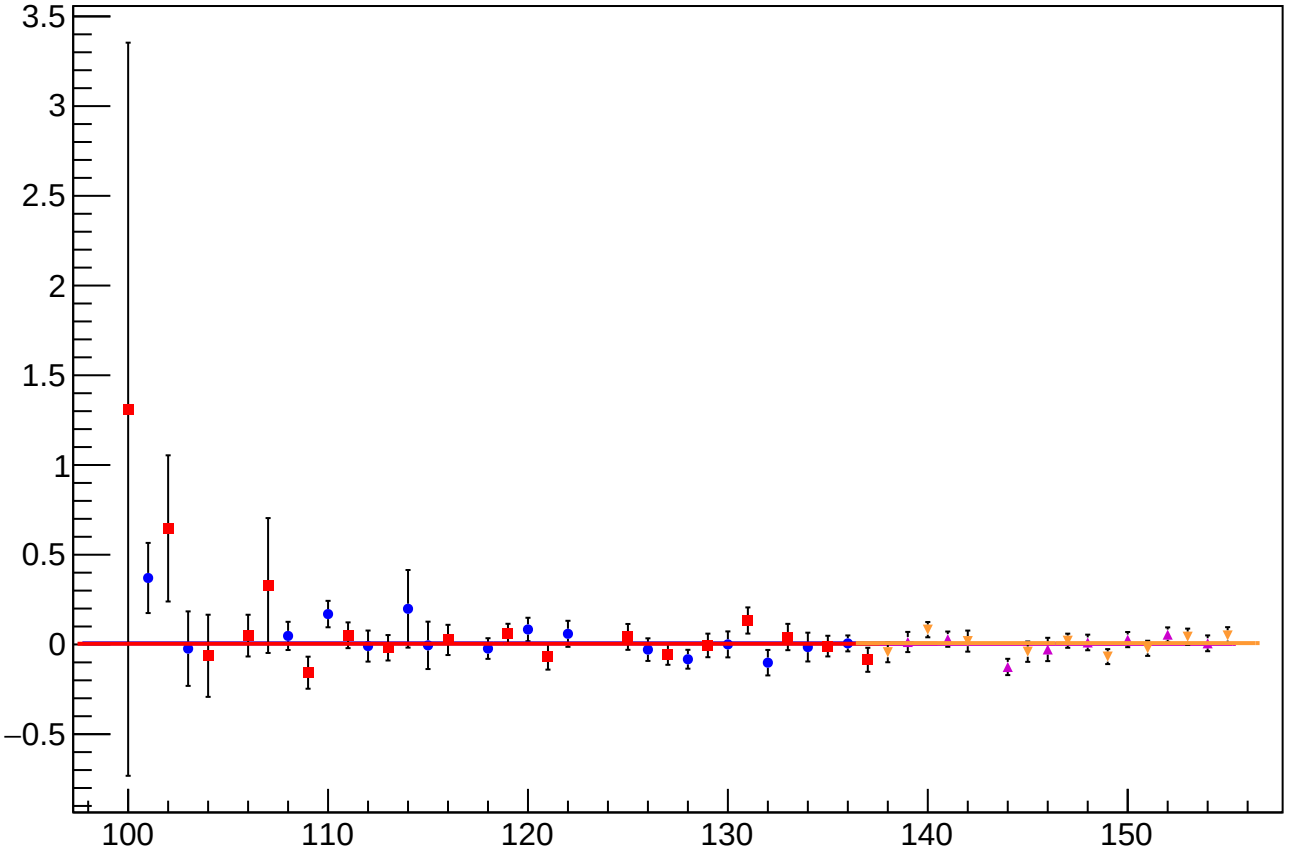
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4211362.7/23

Out: 0.000+/-0.000 χ^2/NDF:4857835.8/26

All: 0.000+/-0.000 χ^2/NDF: 9142222.0/50

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: 0.007+/-0.015 χ^2/NDF:10.0/8

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.003+/-0.016 χ^2/NDF:10.7/7

Left: 0.005+/-0.011 χ^2/NDF: 20.7/16

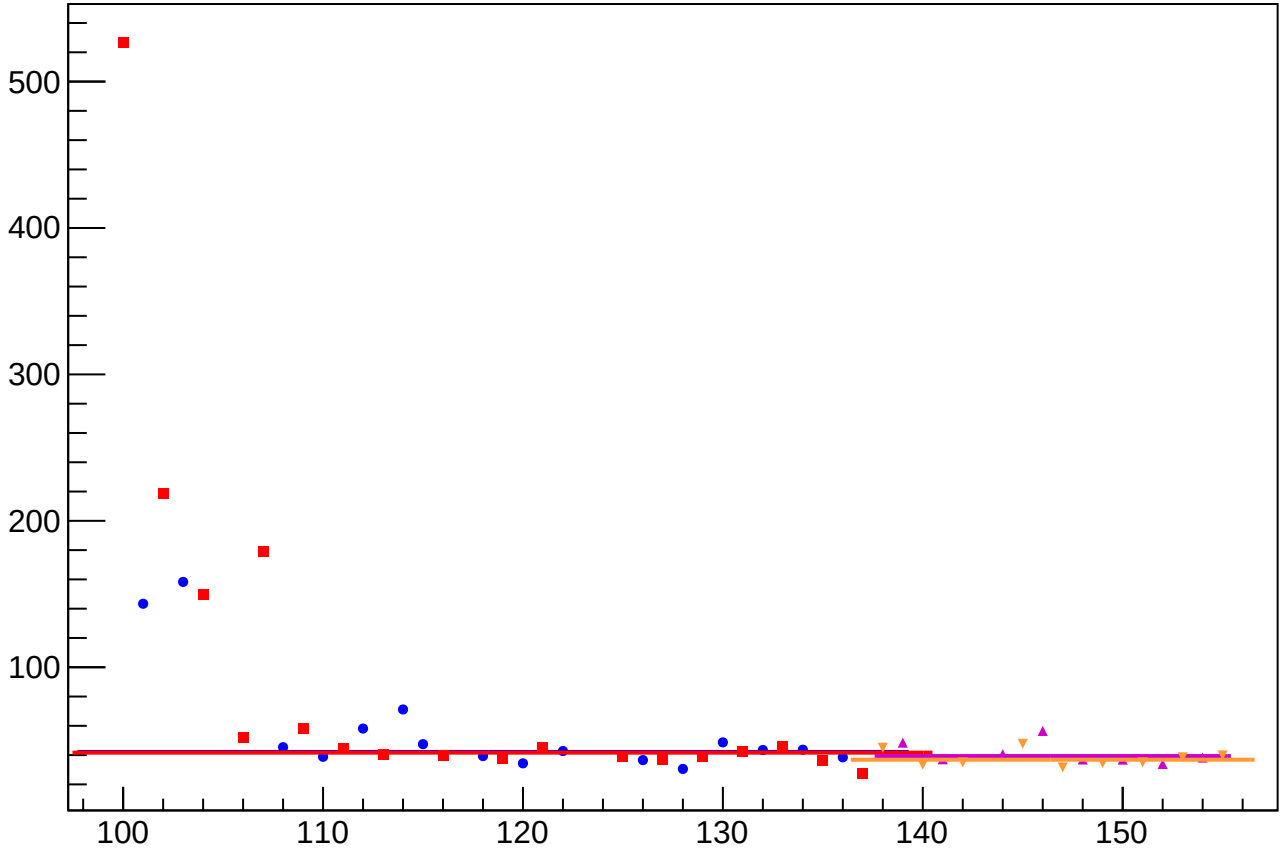
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.012 χ^2/NDF:27.9/23

Out: 0.006+/-0.012 χ^2/NDF:26.3/26

All: 0.005+/-0.008 χ^2/NDF: 54.2/50

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: 36.858+/-0.011 χ^2/NDF:186643.5/8

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.345+/-0.011 χ^2/NDF:248305.6/7

Left: 38.039+/-0.008 χ^2/NDF: 459669.5/16

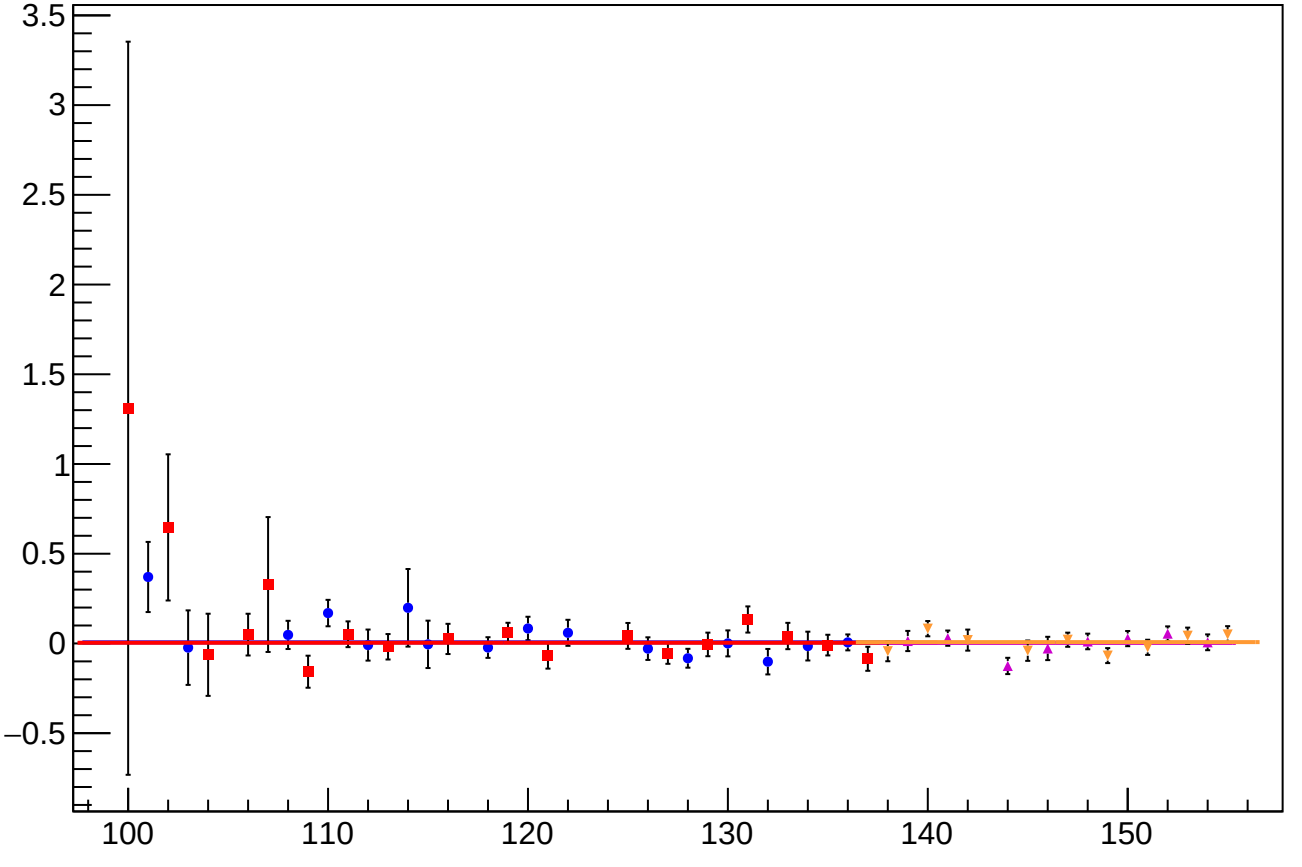
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.588+/-0.009 χ^2/NDF:1729368.5/23

Out: 38.828+/-0.008 χ^2/NDF:1707995.9/26

All: 39.689+/-0.006 χ^2/NDF: 3458905.2/50

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: 0.007+/-0.015 χ^2/NDF:10.0/8

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.003+/-0.016 χ^2/NDF:10.7/7

Left: 0.005+/-0.011 χ^2/NDF: 20.7/16

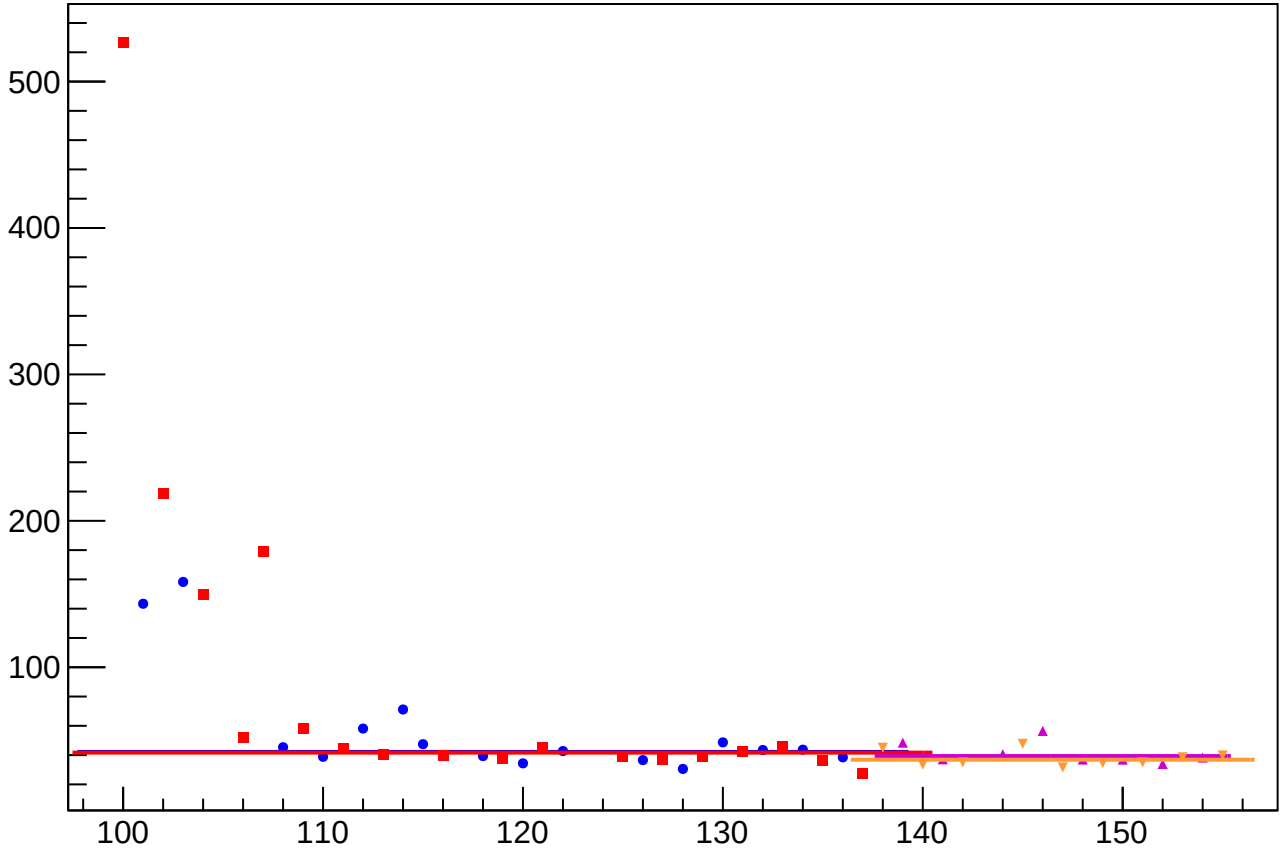
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.012 χ^2/NDF:27.9/23

Out: 0.006+/-0.012 χ^2/NDF:26.3/26

All: 0.005+/-0.008 χ^2/NDF: 54.2/50

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: 36.858+/-0.011 χ^2/NDF:186643.5/8

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.345+/-0.011 χ^2/NDF:248305.6/7

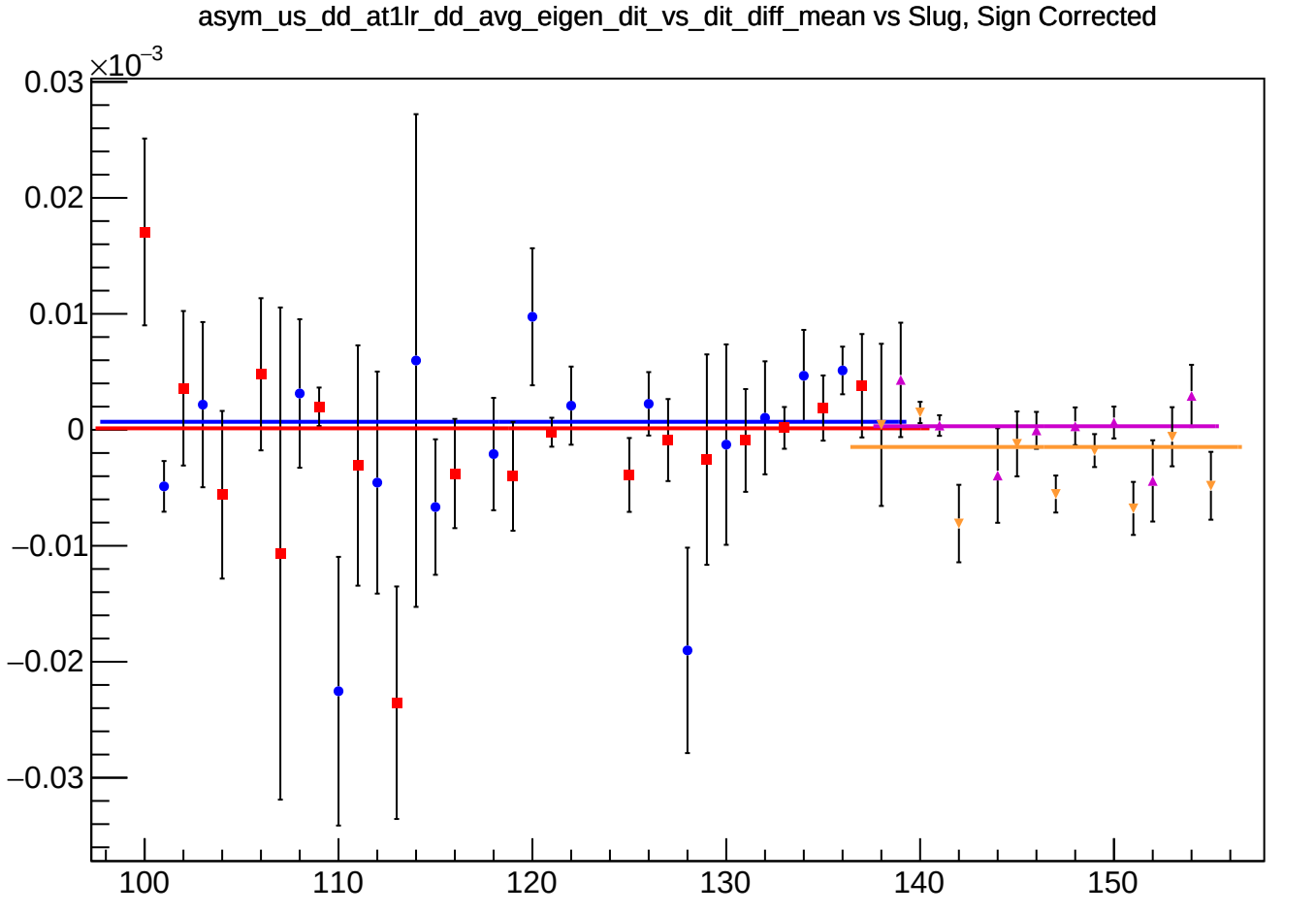
Left: 38.039+/-0.008 χ^2/NDF: 459669.5/16

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

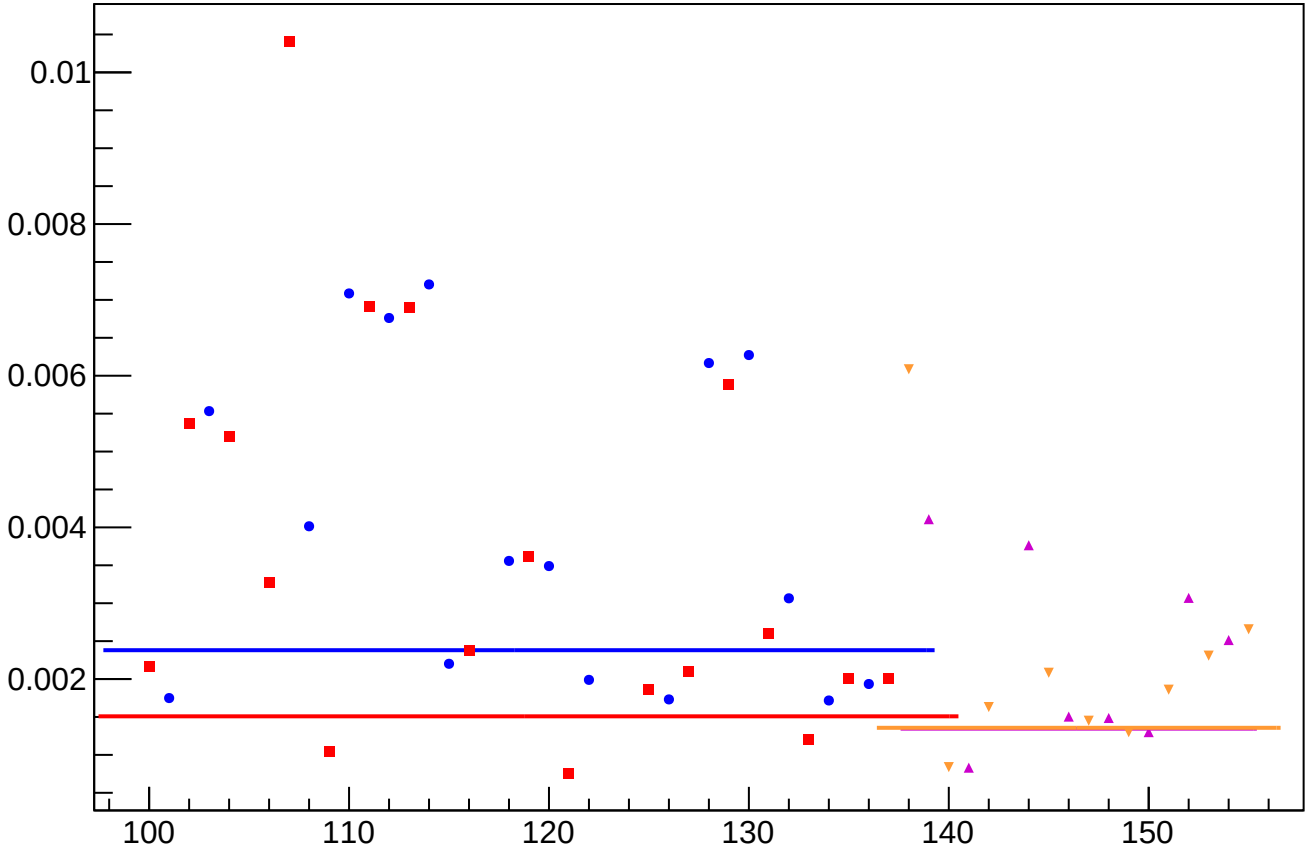
In: 40.588+/-0.009 χ^2/NDF:1729368.5/23

Out: 38.828+/-0.008 χ^2/NDF:1707995.9/26

All: 39.689+/-0.006 χ^2/NDF: 3458905.2/50


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:27.8/8
Right Out: 0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:4.6/7
Left: -0.000+/-0.000 χ²/NDF: 36.9/16
Right: 0.000+/-0.000 χ²/NDF: 44.1/33
In: 0.000+/-0.000 χ²/NDF:31.2/23
Out: -0.000+/-0.000 χ²/NDF:48.2/26
All: -0.000+/-0.000 χ²/NDF: 82.6/50

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:2481470.7/8

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:2903318.3/7

Left: 0.001+/-0.000 χ^2/NDF: 5385131.5/16

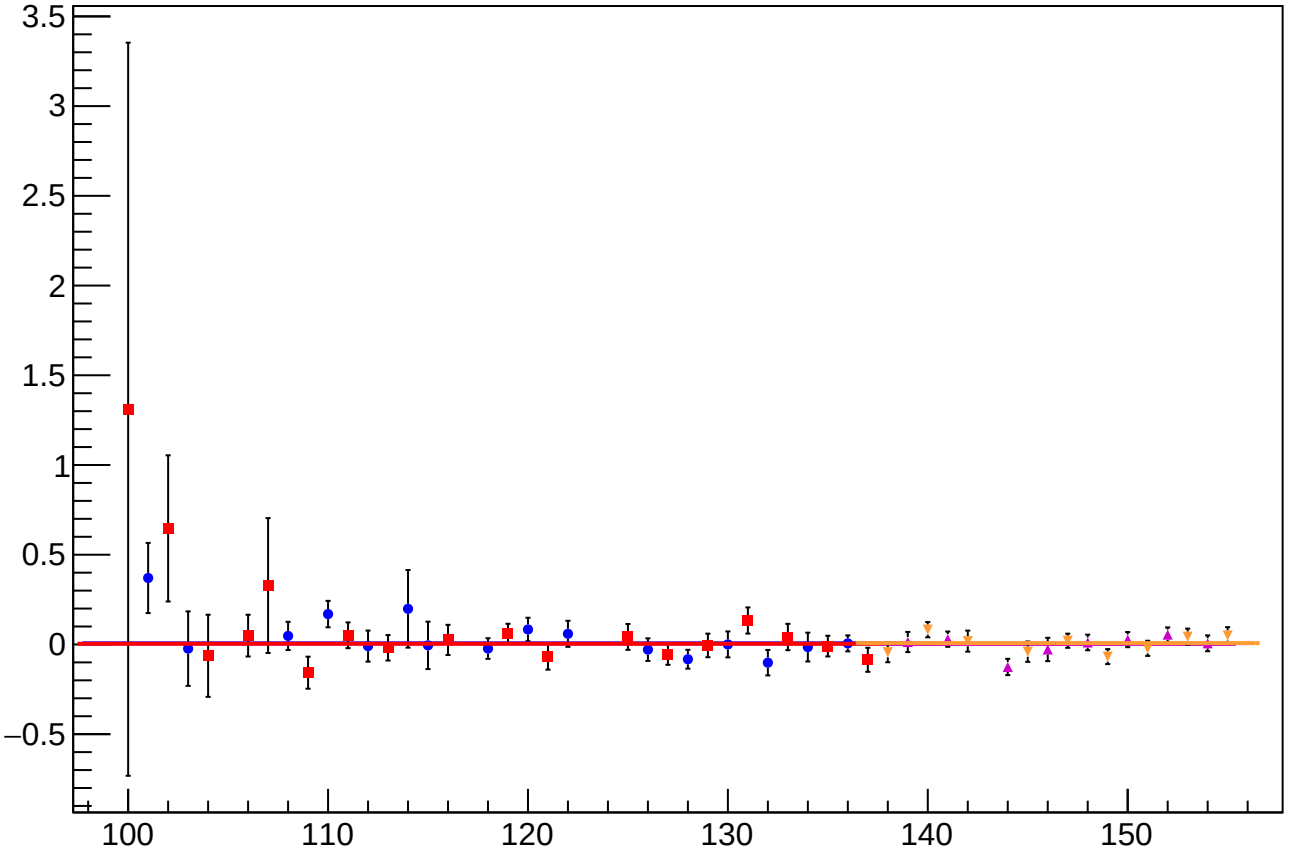
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:7285476.4/23

Out: 0.001+/-0.000 χ^2/NDF:7535209.2/26

All: 0.002+/-0.000 χ^2/NDF: 14967083.1/50

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: 0.007+/-0.015 χ^2/NDF:10.0/8

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.003+/-0.016 χ^2/NDF:10.7/7

Left: 0.005+/-0.011 χ^2/NDF: 20.7/16

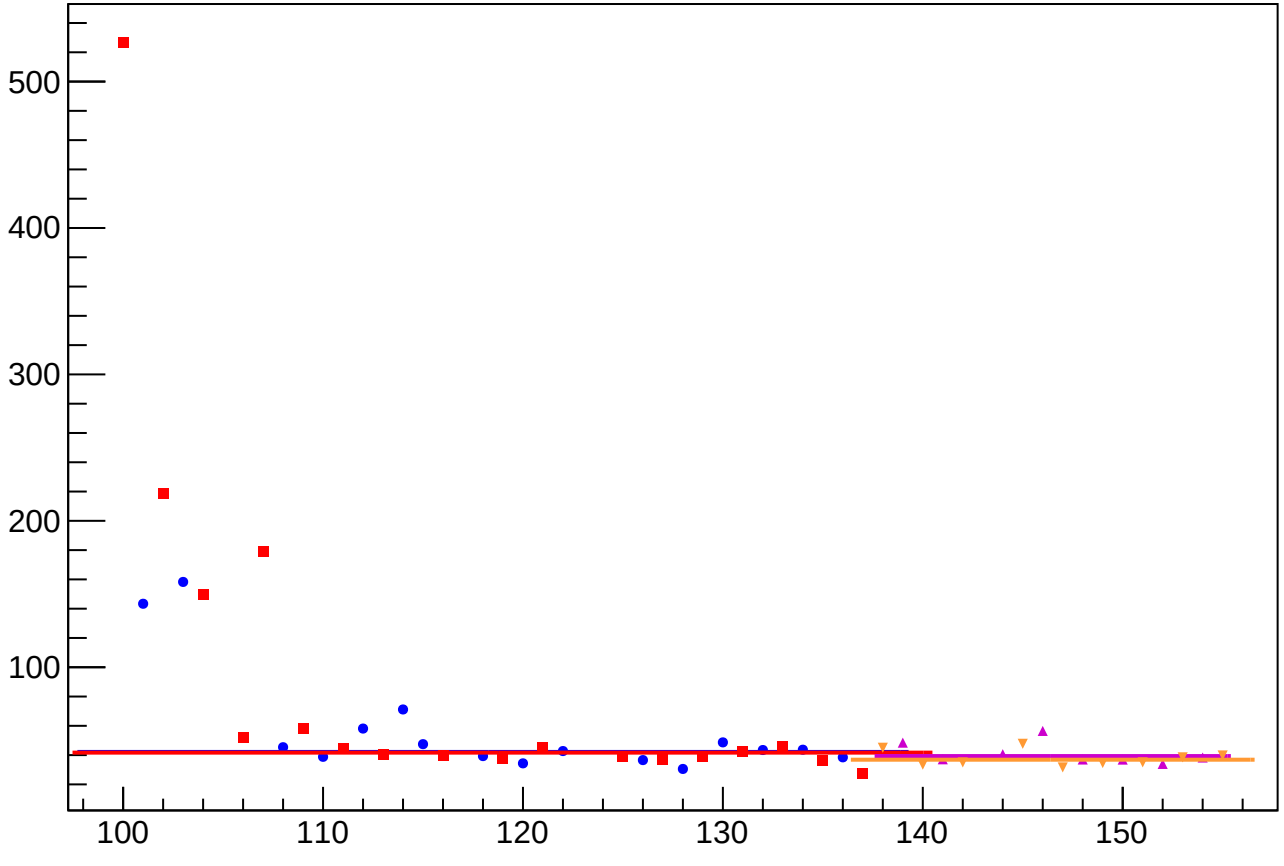
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.012 χ^2/NDF:27.9/23

Out: 0.006+/-0.012 χ^2/NDF:26.3/26

All: 0.005+/-0.008 χ^2/NDF: 54.2/50

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: 36.858+/-0.011 χ^2/NDF:186615.5/8

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.345+/-0.011 χ^2/NDF:248337.1/7

Left: 38.039+/-0.008 χ^2/NDF: 459665.4/16

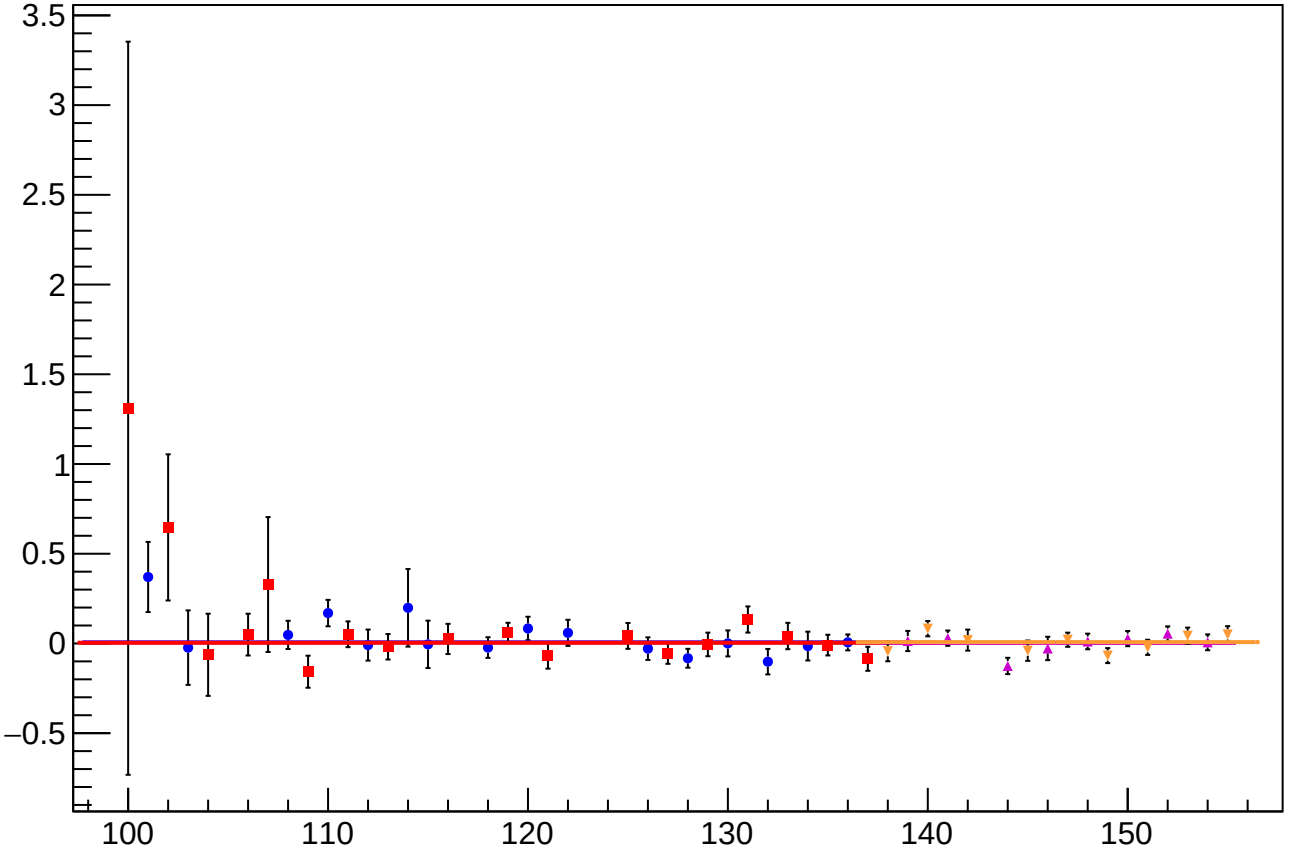
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.587+/-0.009 χ^2/NDF:1729571.8/23

Out: 38.828+/-0.008 χ^2/NDF:1707955.6/26

All: 39.689+/-0.006 χ^2/NDF: 3459033.4/50

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: 0.007+/-0.015 χ^2/NDF:10.0/8

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.003+/-0.016 χ^2/NDF:10.7/7

Left: 0.005+/-0.011 χ^2/NDF: 20.7/16

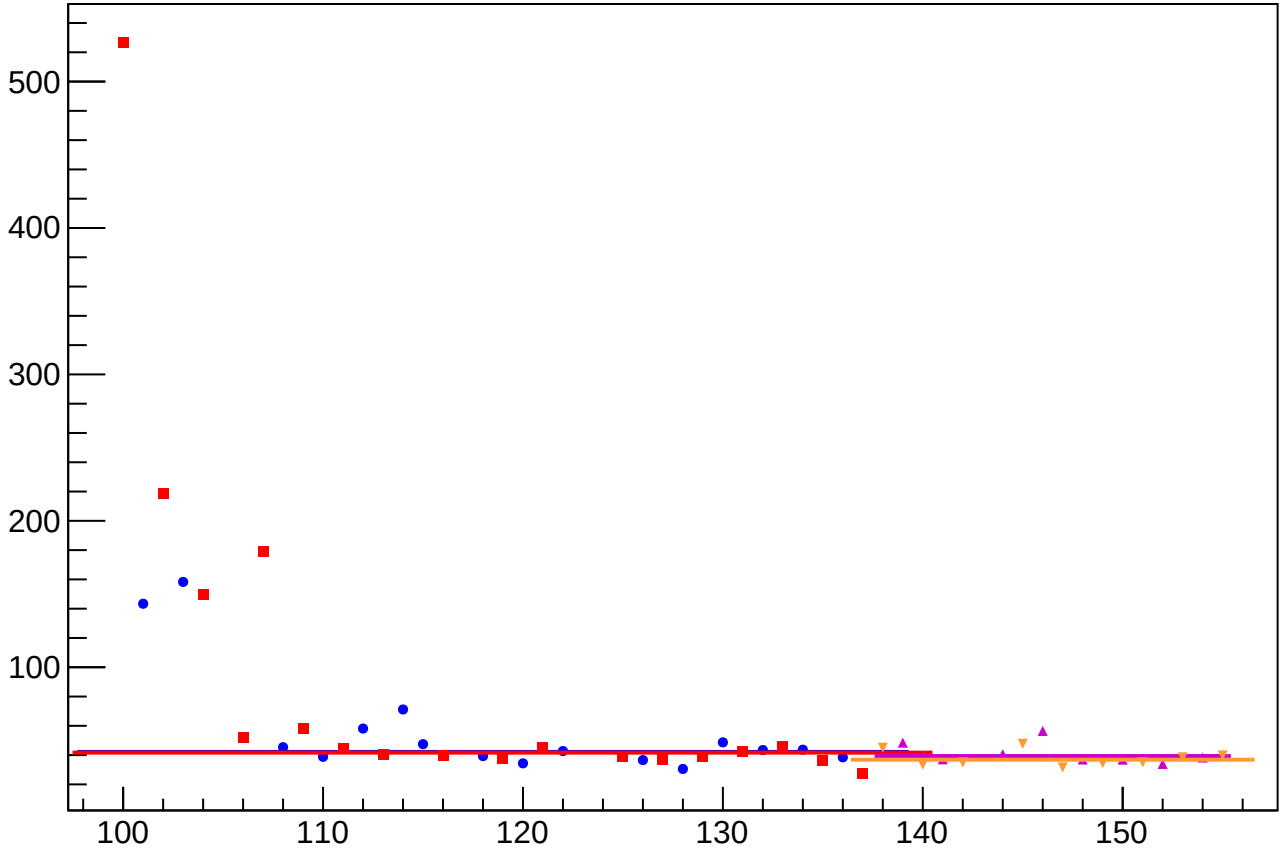
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.012 χ^2/NDF:27.9/23

Out: 0.006+/-0.012 χ^2/NDF:26.3/26

All: 0.005+/-0.008 χ^2/NDF: 54.2/50

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: 36.858+/-0.011 χ^2/NDF:186615.5/8

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.345+/-0.011 χ^2/NDF:248337.1/7

Left: 38.039+/-0.008 χ^2/NDF: 459665.4/16

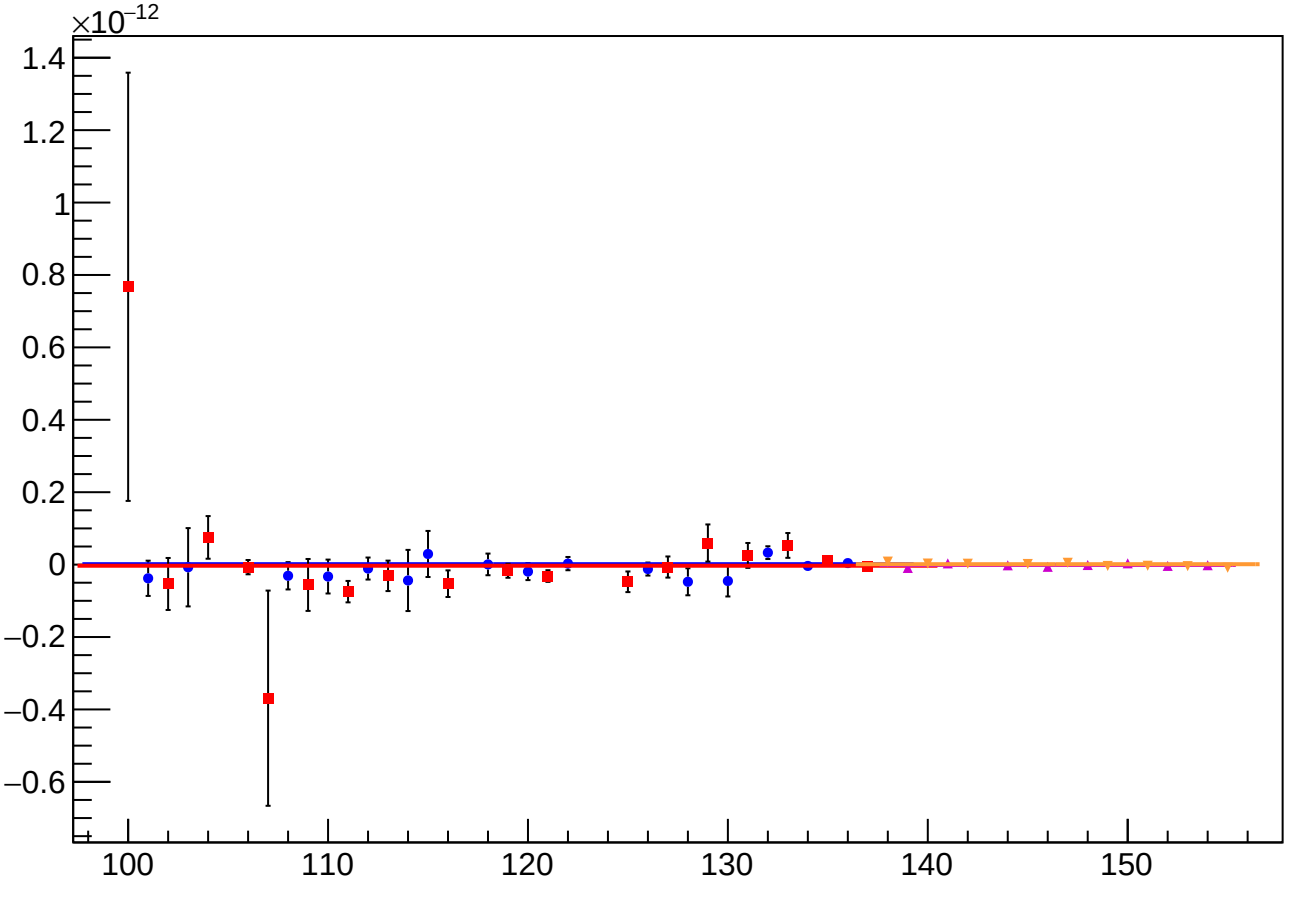
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.587+/-0.009 χ^2/NDF:1729571.8/23

Out: 38.828+/-0.008 χ^2/NDF:1707955.6/26

All: 39.689+/-0.006 χ^2/NDF: 3459033.4/50

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:7.2/8

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:5.3/7

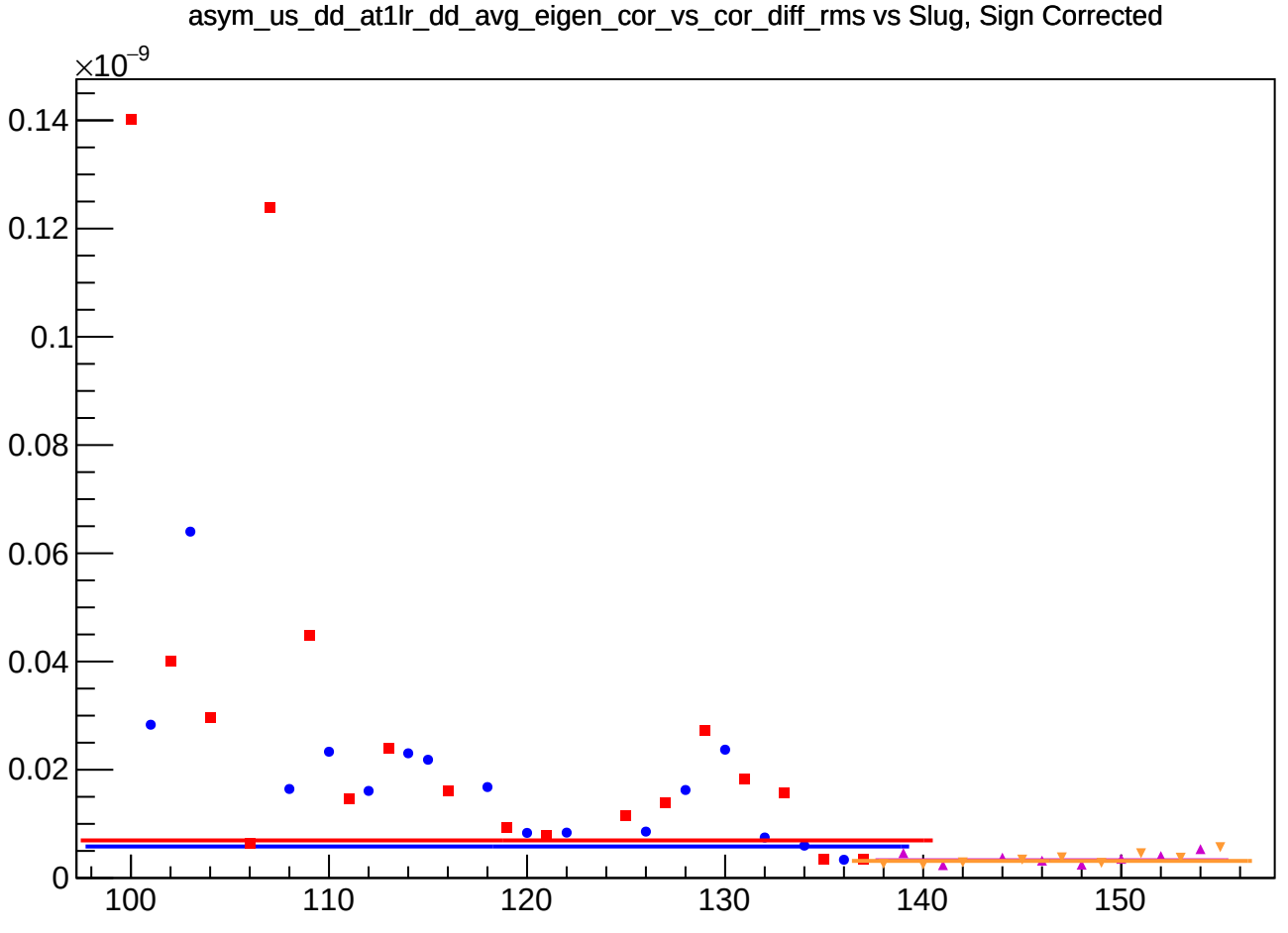
Left: 0.000+/-0.000 χ^2/NDF: 13.2/16

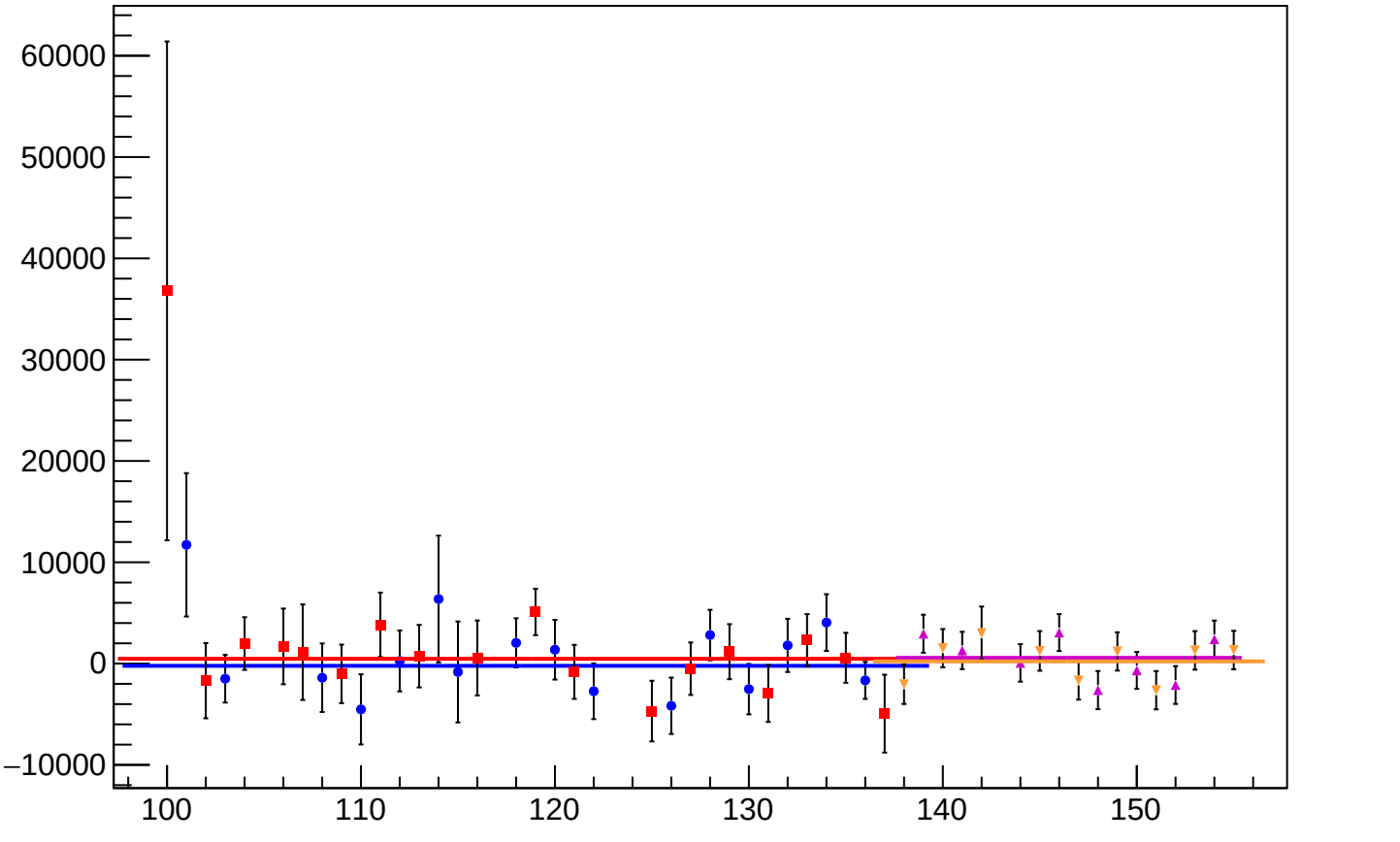
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:16.1/23

Out: 0.000+/-0.000 χ^2/NDF:36.7/26

All: 0.000+/-0.000 χ^2/NDF: 53.1/50


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:454501.6/8
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:506336.3/7
Left: 0.000+/-0.000 χ²/NDF: 965681.4/16
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:4511820.2/23
Out: 0.000+/-0.000 χ²/NDF:5384420.0/26
All: 0.000+/-0.000 χ²/NDF: 9901909.7/50



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 221.373+/-653.159 χ^2/NDF:7.4/8

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 564.644+/-654.041 χ^2/NDF:10.1/7

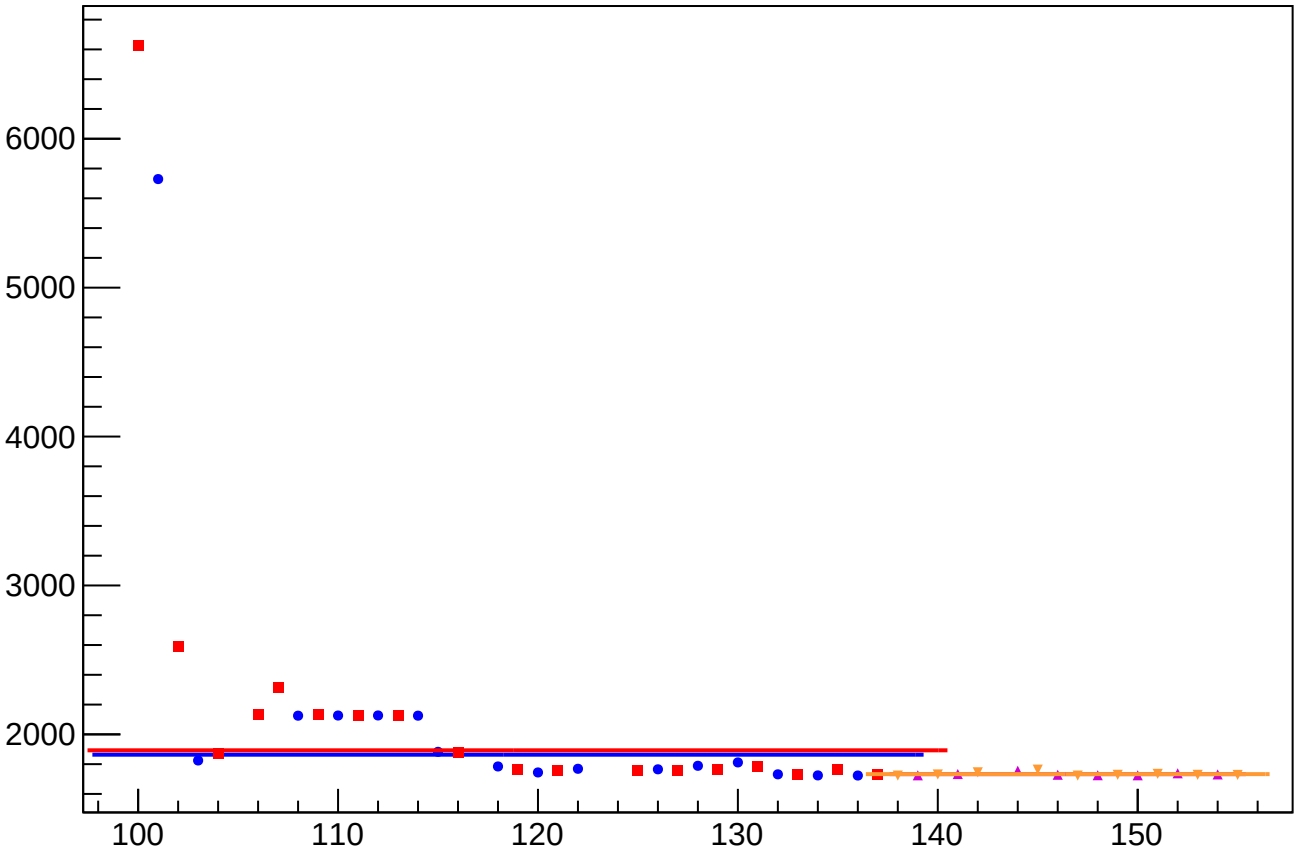
Left: 392.777+/-462.164 χ^2/NDF: 17.7/16

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 202.622+/-480.780 χ^2/NDF:26.6/23

Out: 336.183+/-481.151 χ^2/NDF:23.4/26

All: 269.351+/-340.094 χ^2/NDF: 50.0/50



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1732.967+/-0.462 χ^2/NDF:664.9/8

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.065+/-0.462 χ^2/NDF:437.8/7

Left: 1733.016+/-0.327 χ^2/NDF: 1102.8/16

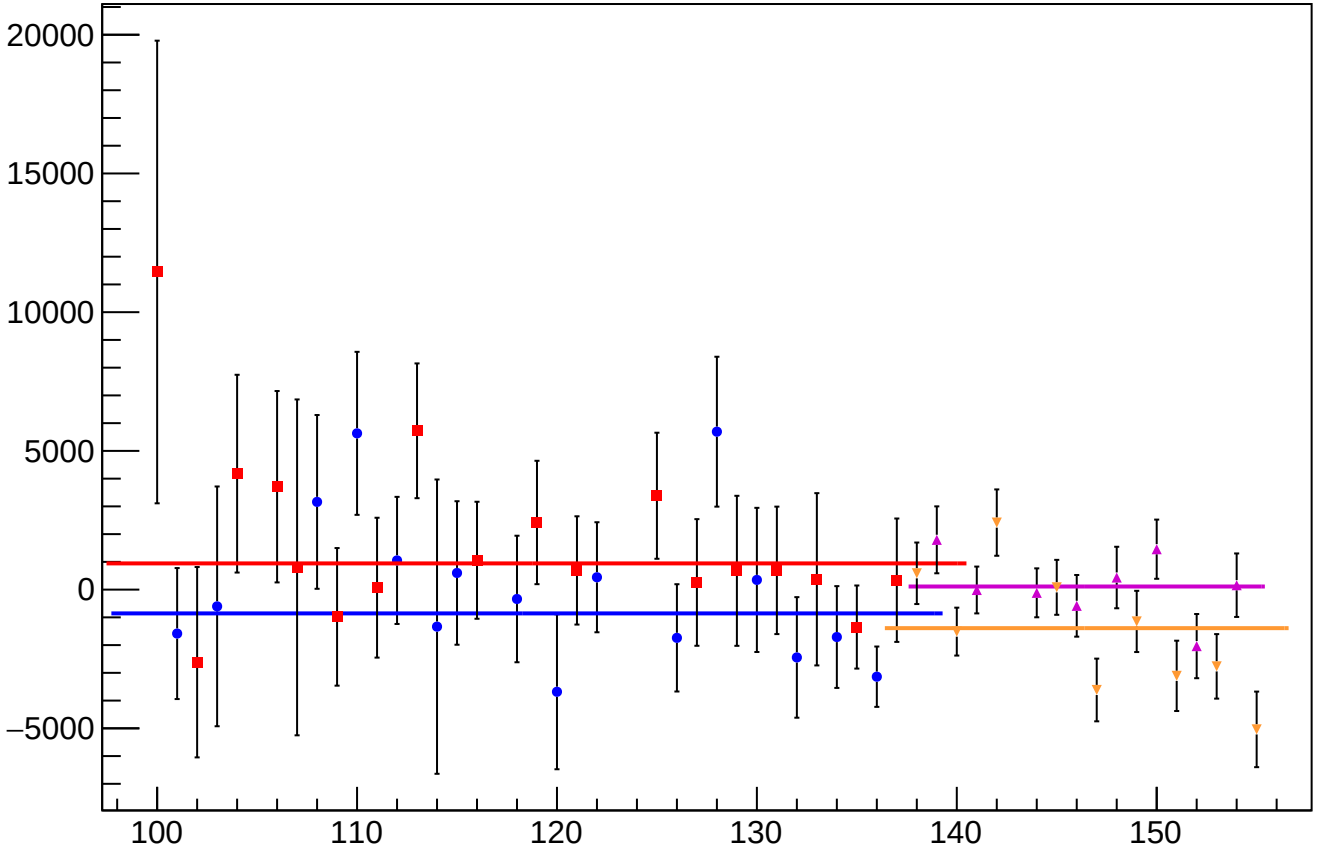
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1793.055+/-0.340 χ^2/NDF:711710.4/23

Out: 1806.096+/-0.340 χ^2/NDF:306996.1/26

All: 1799.570+/-0.240 χ^2/NDF: 1019441.6/50

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: -1389.009+/-368.112 χ^2/NDF:29.9/8

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 111.976+/-367.843 χ^2/NDF:7.6/7

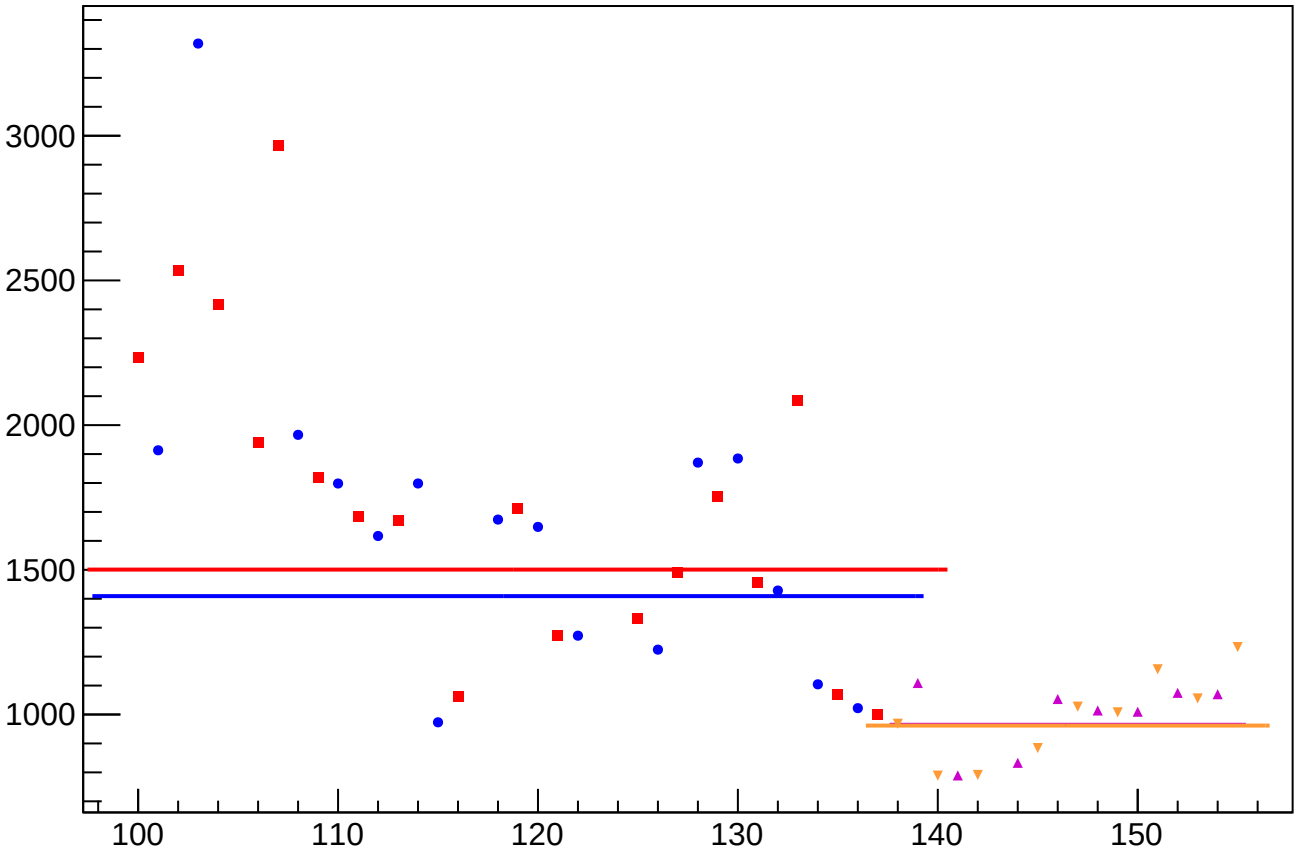
Left: -637.966+/-260.199 χ^2/NDF: 45.8/16

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -187.741+/-305.726 χ^2/NDF:30.3/23

Out: -725.380+/-311.406 χ^2/NDF:54.2/26

All: -451.613+/-218.161 χ^2/NDF: 86.1/50



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 961.764+/-0.260 χ^2/NDF:282889.5/8

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 964.454+/-0.260 χ^2/NDF:214806.4/7

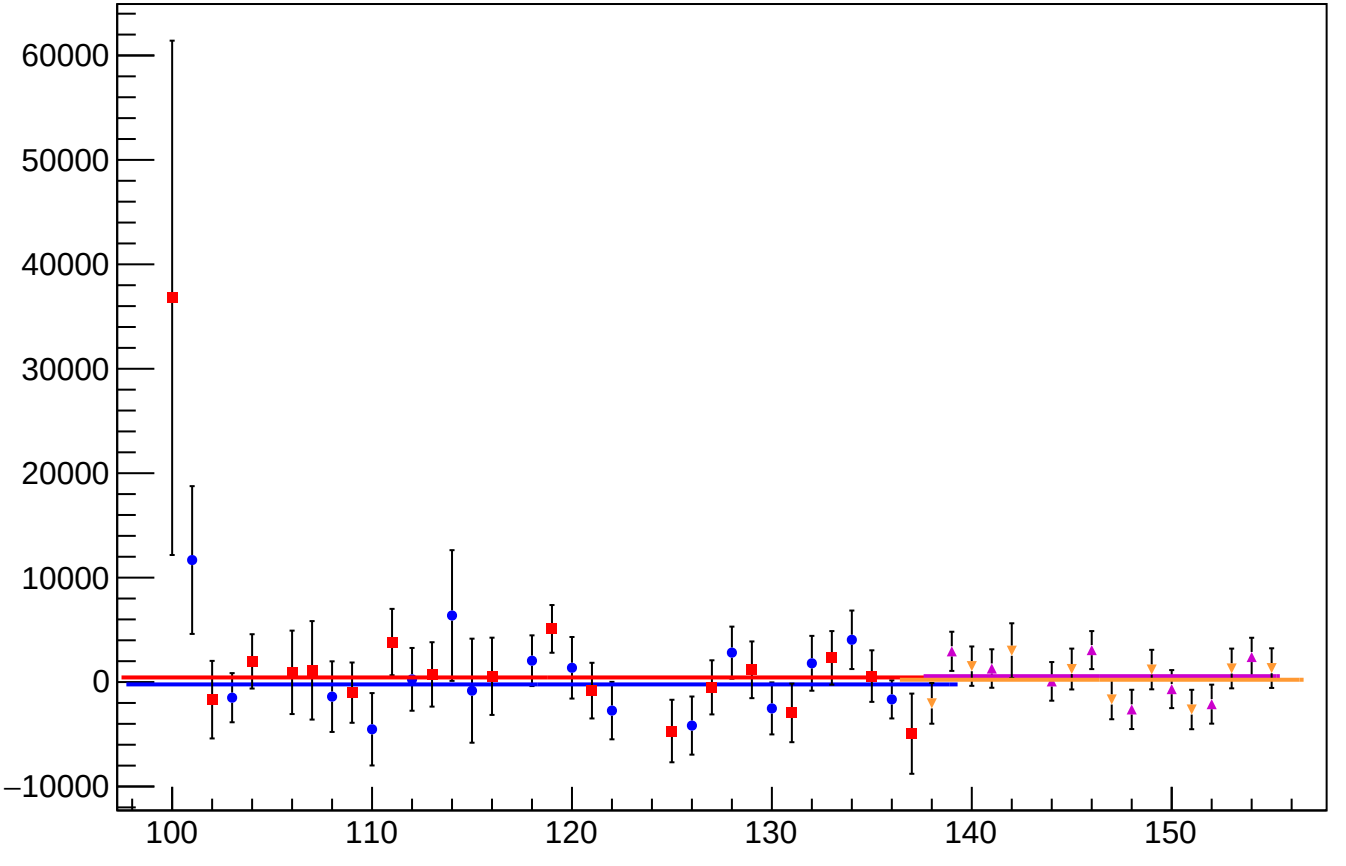
Left: 963.110+/-0.184 χ^2/NDF: 497749.4/16

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1101.946+/-0.216 χ^2/NDF:2286150.1/23

Out: 1115.047+/-0.220 χ^2/NDF:2533155.4/26

All: 1108.376+/-0.154 χ^2/NDF: 4821108.0/50



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 221.466+/-653.159 χ^2/NDF:7.4/8

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 564.629+/-654.041 χ^2/NDF:10.1/7

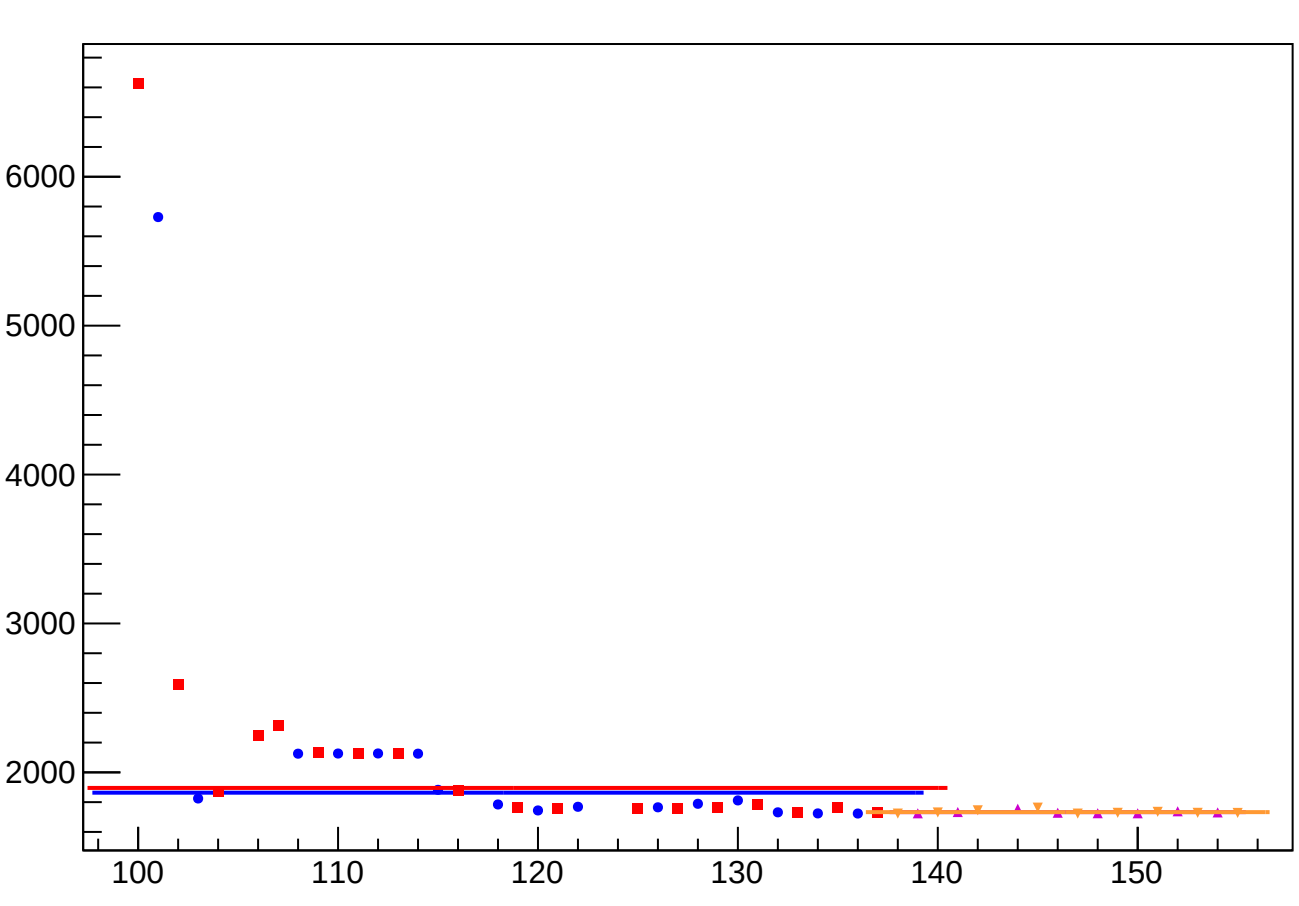
Left: 392.816+/-462.164 χ^2/NDF: 17.7/16

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 202.258+/-480.780 χ^2/NDF:26.6/23

Out: 322.542+/-481.652 χ^2/NDF:23.2/26

All: 262.291+/-340.271 χ^2/NDF: 49.9/50



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1732.967+/-0.462 χ^2/NDF:664.9/8

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.065+/-0.462 χ^2/NDF:437.8/7

Left: 1733.016+/-0.327 χ^2/NDF: 1102.8/16

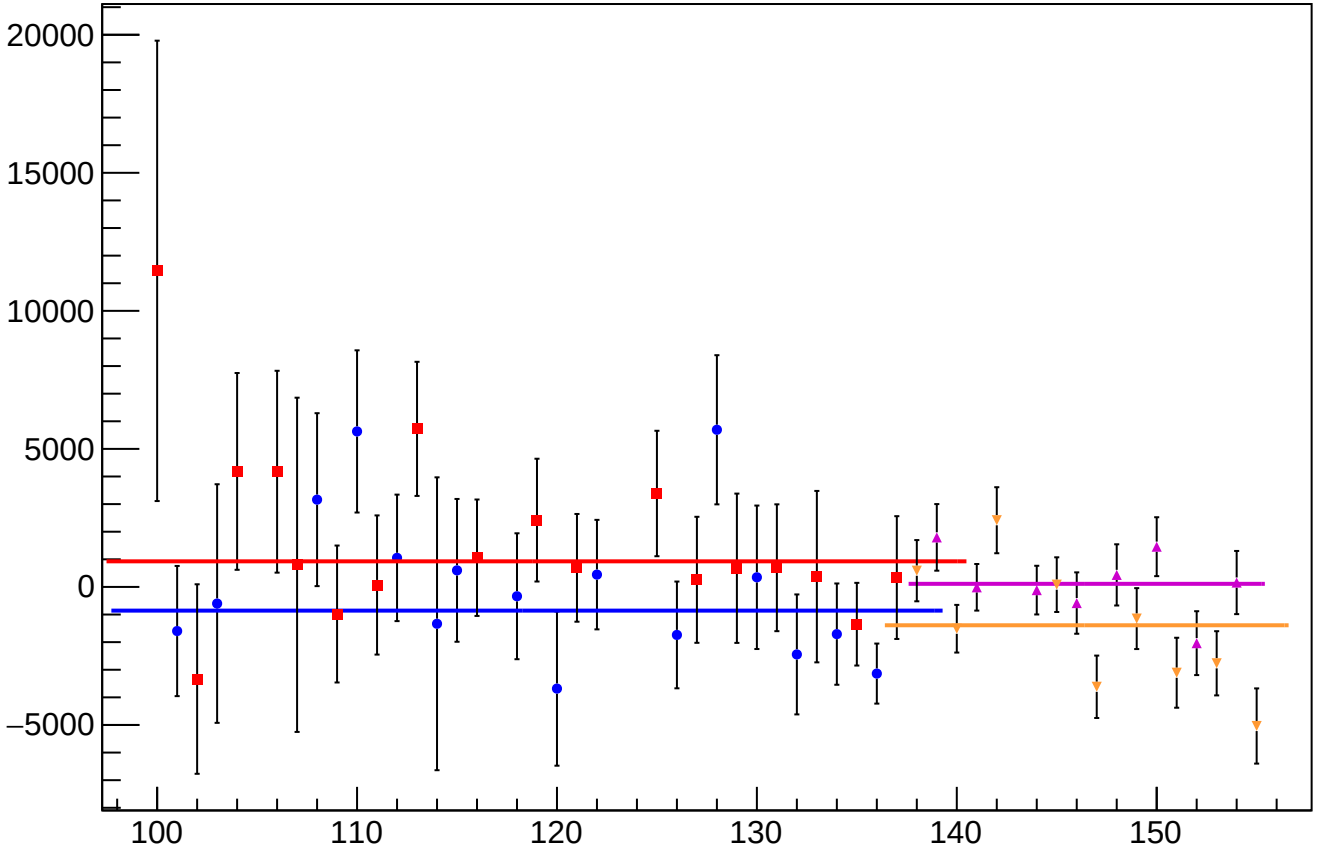
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1793.055+/-0.340 χ^2/NDF:711710.2/23

Out: 1807.113+/-0.341 χ^2/NDF:316330.0/26

All: 1800.071+/-0.241 χ^2/NDF: 1028893.6/50

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1388.981+/-368.113 χ^2/NDF:29.9/8

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 112.045+/-367.839 χ^2/NDF:7.6/7

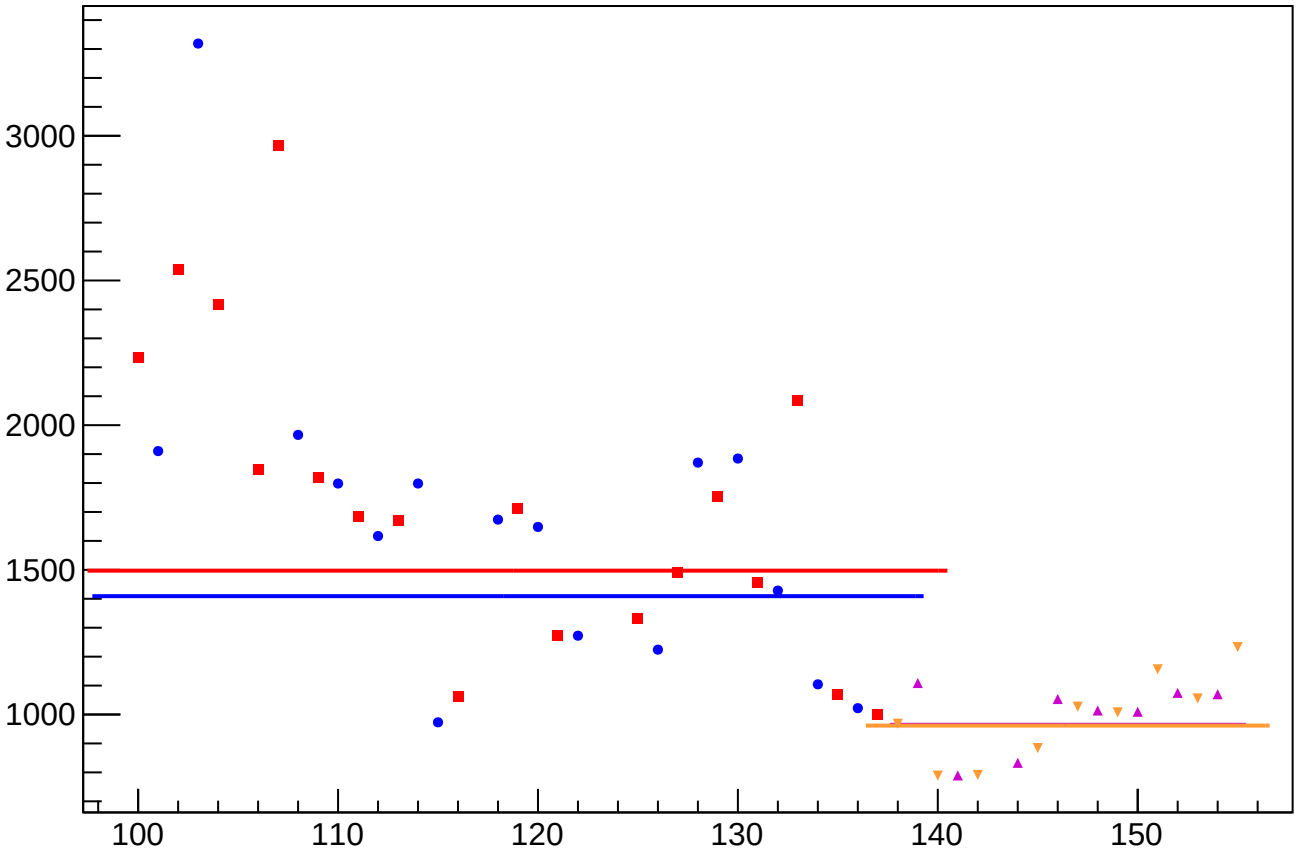
Left: -637.910+/-260.198 χ^2/NDF: 45.8/16

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -187.977+/-305.716 χ^2/NDF:30.3/23

Out: -731.823+/-311.545 χ^2/NDF:54.6/26

All: -454.765+/-218.206 χ^2/NDF: 86.5/50



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 961.767+/-0.260 χ^2/NDF:282856.6/8

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 964.446+/-0.260 χ^2/NDF:214812.3/7

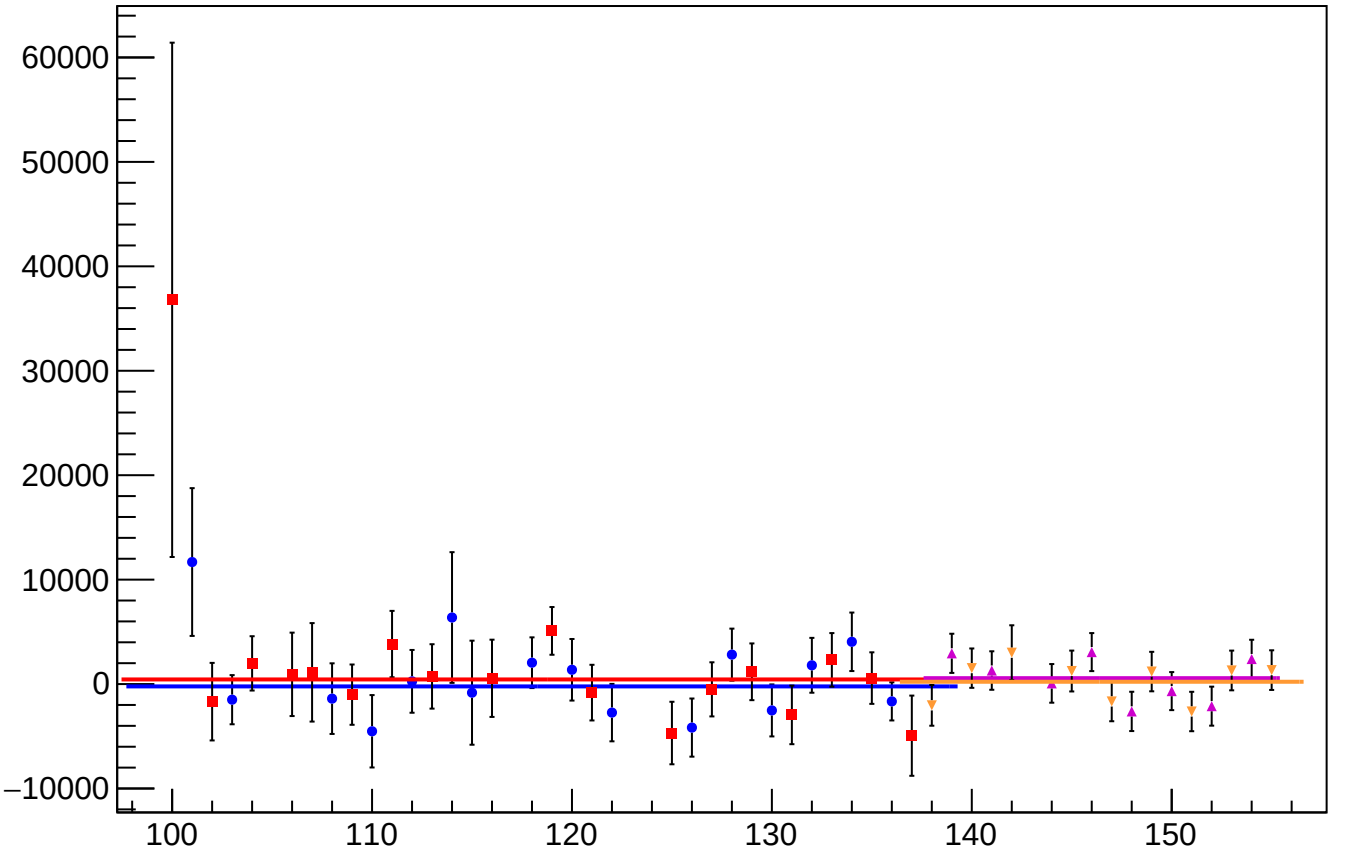
Left: 963.107+/-0.184 χ^2/NDF: 497721.9/16

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1101.930+/-0.216 χ^2/NDF:2285336.9/23

Out: 1113.669+/-0.220 χ^2/NDF:2501290.5/26

All: 1107.688+/-0.154 χ^2/NDF: 4788074.0/50



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 221.466+/-653.159 χ^2/NDF:7.4/8

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 564.629+/-654.041 χ^2/NDF:10.1/7

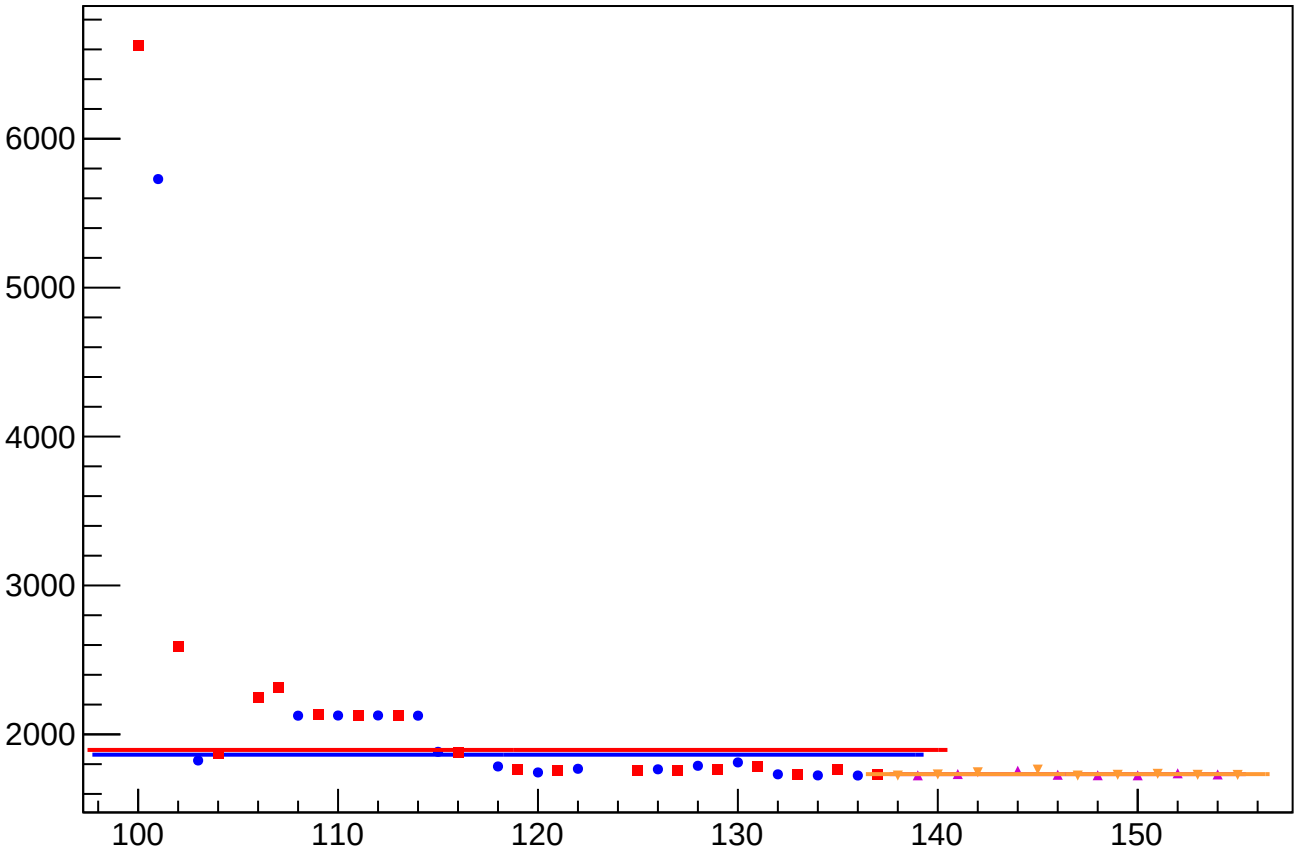
Left: 392.816+/-462.164 χ^2/NDF: 17.7/16

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 202.258+/-480.780 χ^2/NDF:26.6/23

Out: 322.542+/-481.652 χ^2/NDF:23.2/26

All: 262.291+/-340.271 χ^2/NDF: 49.9/50



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1732.967+/-0.462 χ^2/NDF:664.9/8

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.065+/-0.462 χ^2/NDF:437.8/7

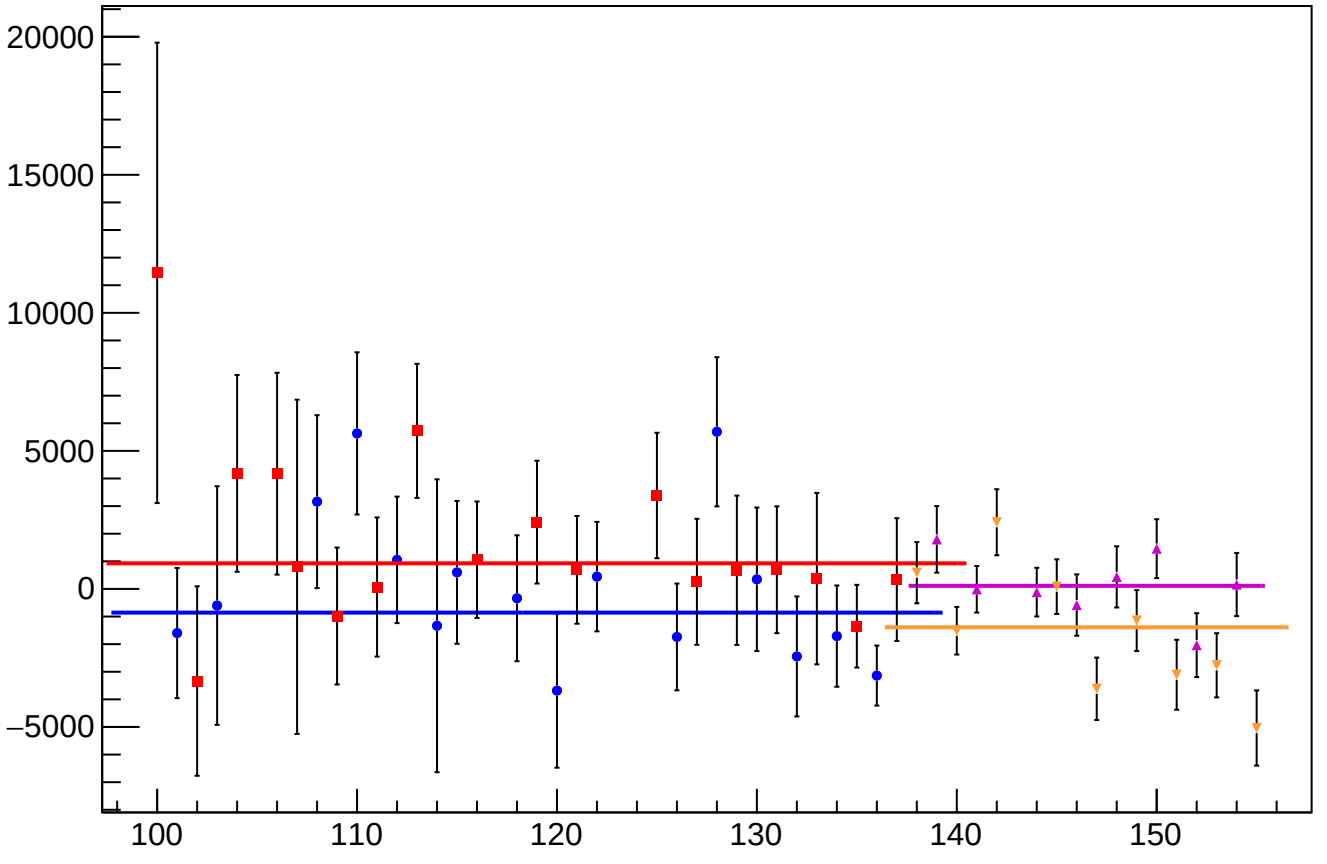
Left: 1733.016+/-0.327 χ^2/NDF: 1102.8/16

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1793.055+/-0.340 χ^2/NDF:711710.2/23

Out: 1807.113+/-0.341 χ^2/NDF:316330.0/26

All: 1800.071+/-0.241 χ^2/NDF: 1028893.6/50



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1388.981+/-368.113 χ^2/NDF:29.9/8

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 112.045+/-367.839 χ^2/NDF:7.6/7

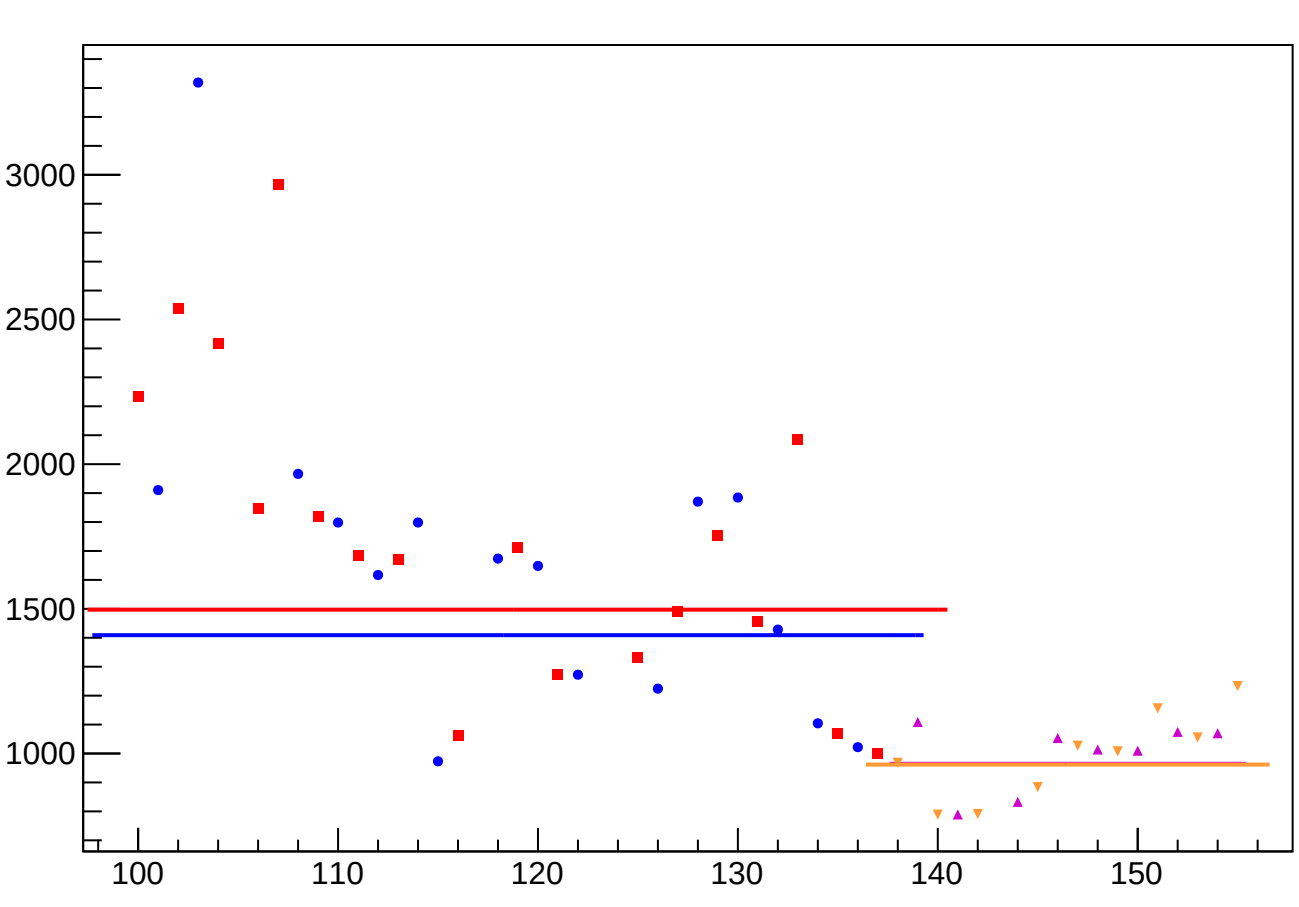
Left: -637.910+/-260.198 χ^2/NDF: 45.8/16

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -187.977+/-305.716 χ^2/NDF:30.3/23

Out: -731.823+/-311.545 χ^2/NDF:54.6/26

All: -454.765+/-218.206 χ^2/NDF: 86.5/50



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 961.767+/-0.260 χ^2/NDF:282856.6/8

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 964.446+/-0.260 χ^2/NDF:214812.3/7

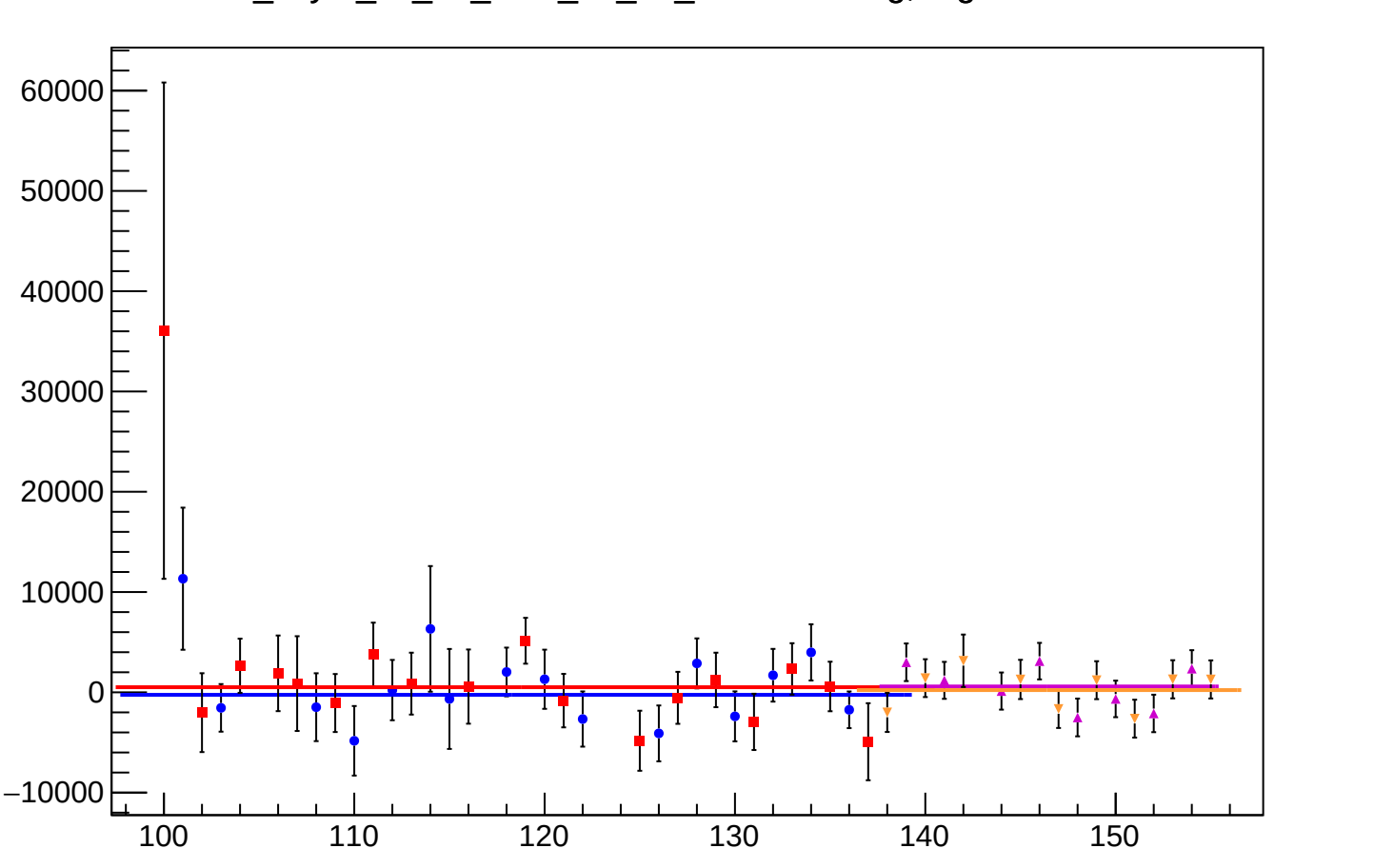
Left: 963.107+/-0.184 χ^2/NDF: 497721.9/16

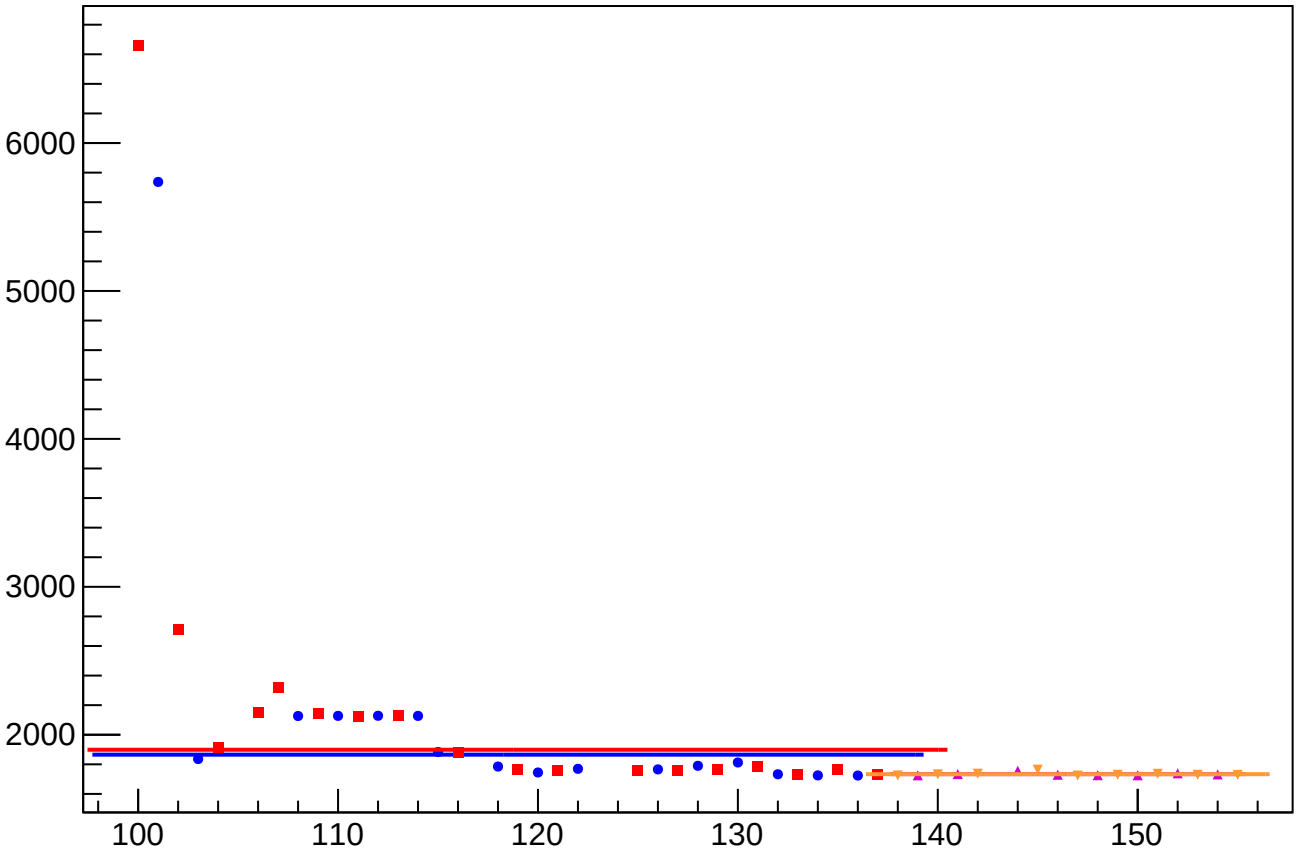
Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1101.930+/-0.216 χ^2/NDF:2285336.9/23

Out: 1113.669+/-0.220 χ^2/NDF:2501290.5/26

All: 1107.688+/-0.154 χ^2/NDF: 4788074.0/50


dit_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -252.024+/-709.973 χ²/NDF: 15.6/15
Left Out: 222.699+/-653.326 χ²/NDF:7.4/8
Right Out: 510.117+/-715.442 χ²/NDF: 16.4/17
Left In: 582.825+/-654.354 χ²/NDF:9.9/7
Left: 402.479+/-462.334 χ²/NDF: 17.5/16
Right: 126.122+/-503.949 χ²/NDF: 32.6/33
In: 199.378+/-481.161 χ²/NDF:26.3/23
Out: 353.392+/-482.439 χ²/NDF:23.9/26
All: 276.180+/-340.683 χ²/NDF: 50.3/50



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.343+/-0.462 χ^2/NDF:613.9/8

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1733.896+/-0.463 χ^2/NDF:437.4/7

Left: 1733.619+/-0.327 χ^2/NDF: 1052.0/16

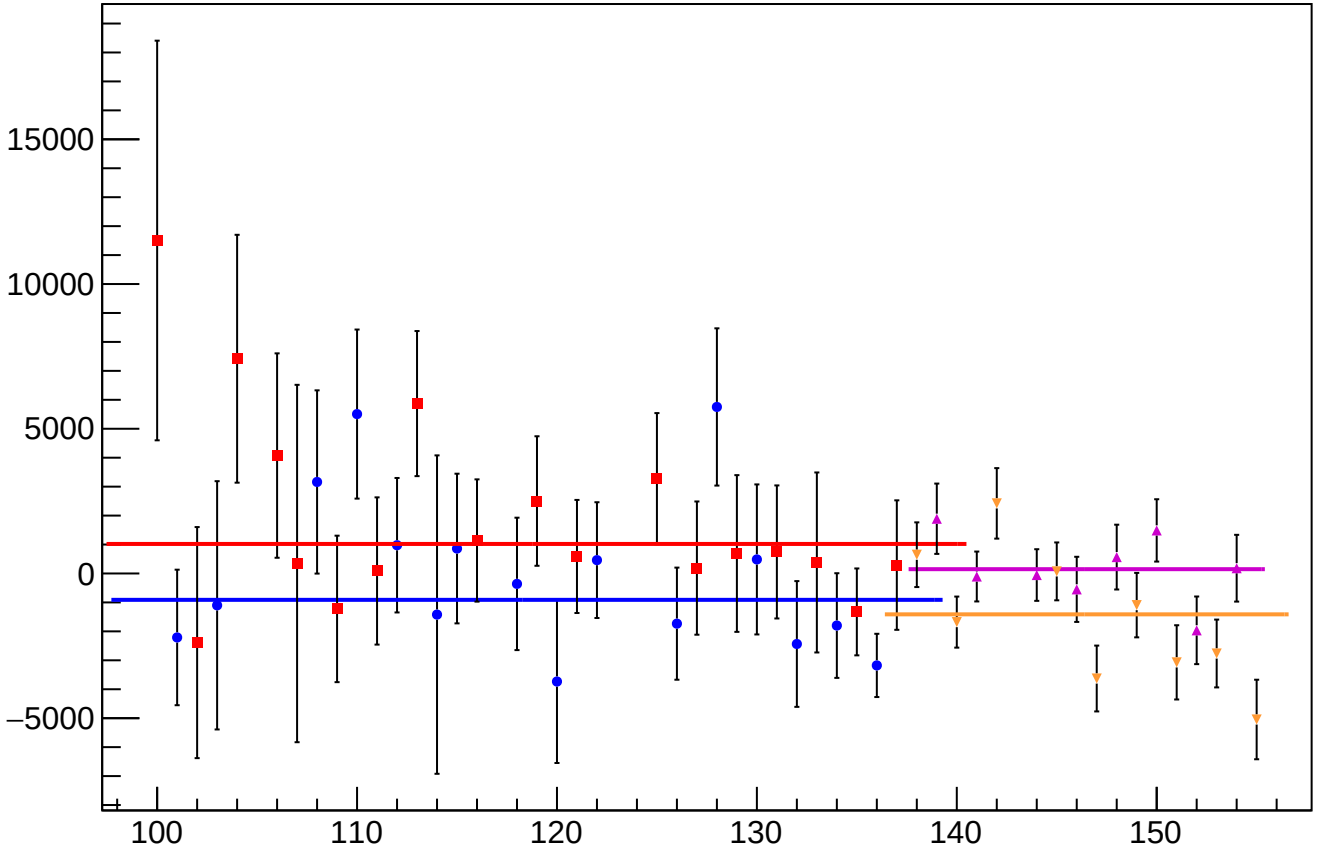
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1794.314+/-0.340 χ^2/NDF:712550.1/23

Out: 1808.489+/-0.341 χ^2/NDF:327913.3/26

All: 1801.383+/-0.241 χ^2/NDF: 1041328.9/50

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: -1412.087+/-372.518 χ^2/NDF:29.5/8

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 148.516+/-372.264 χ^2/NDF:7.5/7

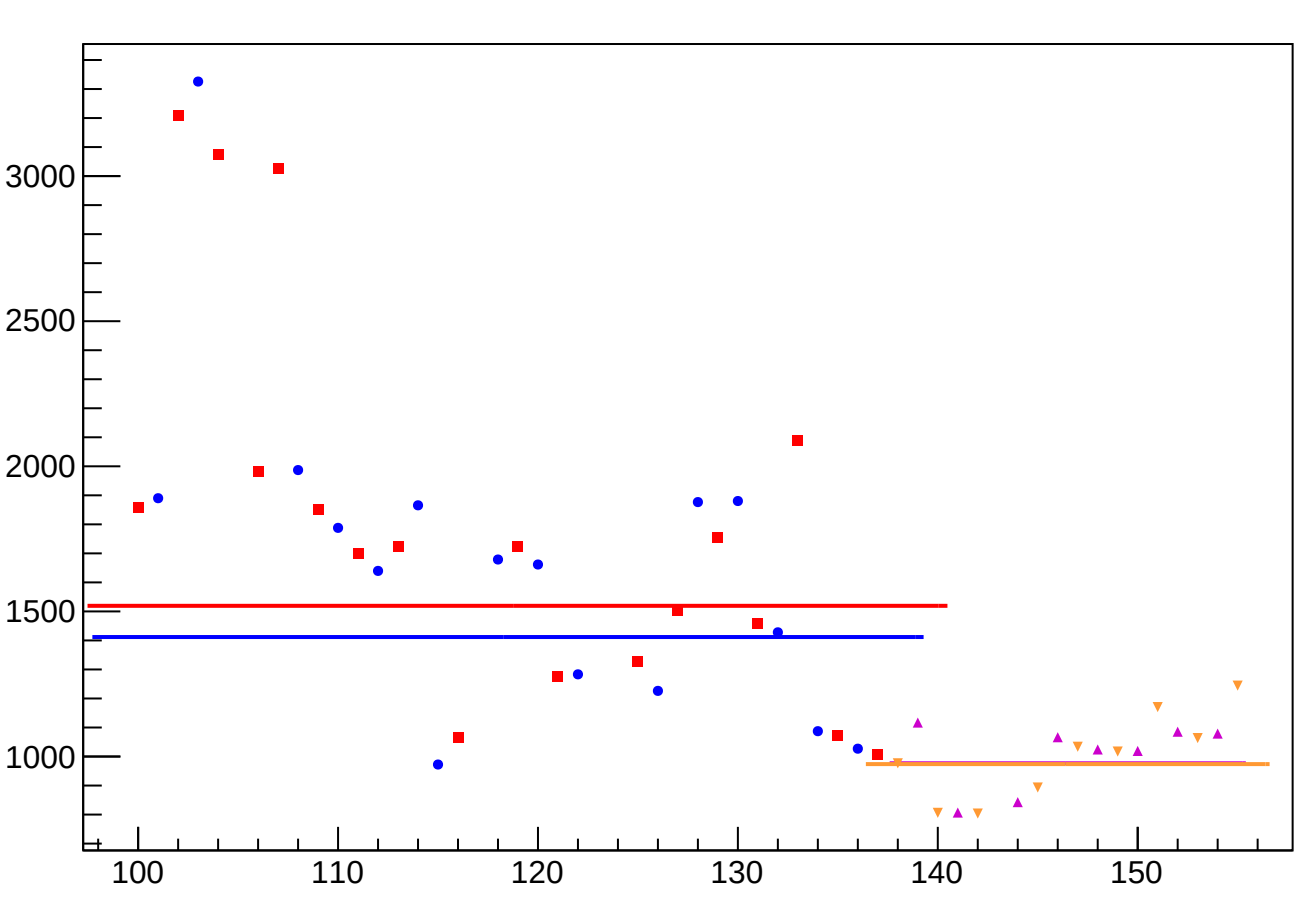
Left: -631.254+/-263.320 χ^2/NDF: 45.8/16

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -183.660+/-308.434 χ^2/NDF:31.1/23

Out: -721.530+/-315.230 χ^2/NDF:56.5/26

All: -446.735+/-220.459 χ^2/NDF: 89.1/50



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 973.910+/-0.263 χ^2/NDF:269273.3/8

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 976.776+/-0.263 χ^2/NDF:201947.6/7

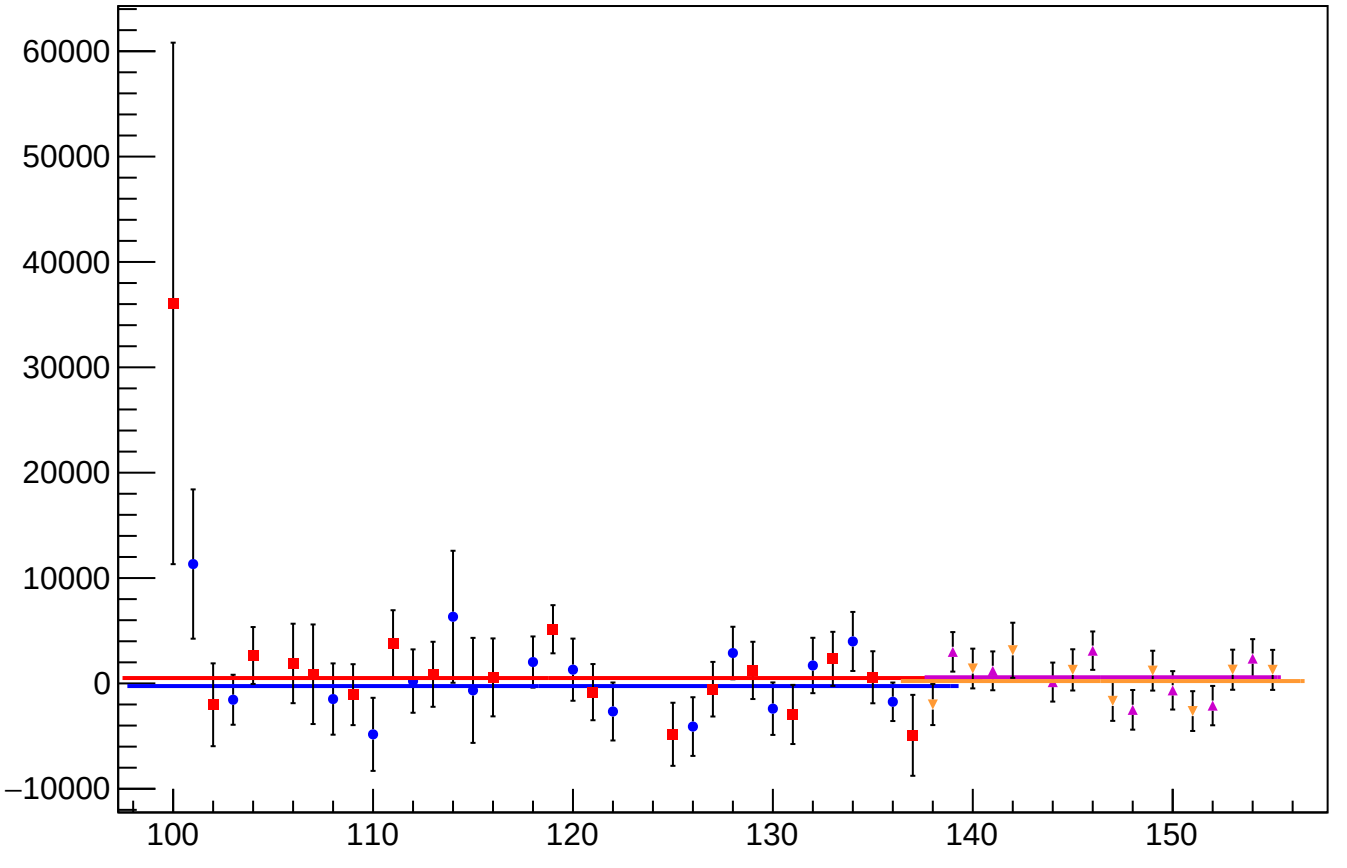
Left: 975.344+/-0.186 χ^2/NDF: 471280.2/16

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1113.153+/-0.218 χ^2/NDF:2235803.0/23

Out: 1128.759+/-0.223 χ^2/NDF:2846603.9/26

All: 1120.786+/-0.156 χ^2/NDF: 5084911.4/50



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 222.695+/-653.326 χ^2/NDF:7.4/8

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 582.827+/-654.354 χ^2/NDF:9.9/7

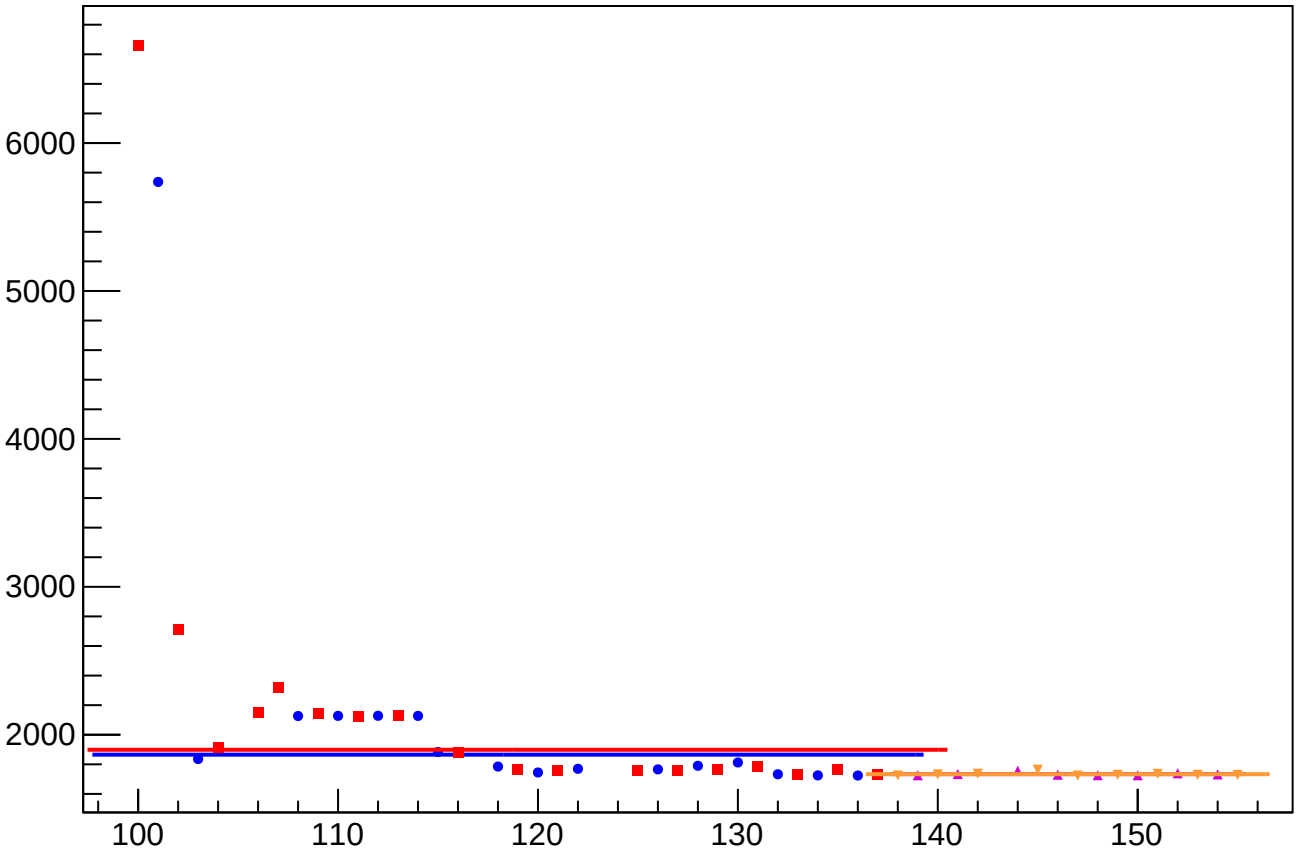
Left: 402.478+/-462.334 χ^2/NDF: 17.5/16

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 199.379+/-481.161 χ^2/NDF:26.3/23

Out: 353.389+/-482.439 χ^2/NDF:23.9/26

All: 276.180+/-340.683 χ^2/NDF: 50.3/50



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.343+/-0.462 χ^2/NDF:613.9/8

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1733.896+/-0.463 χ^2/NDF:437.4/7

Left: 1733.619+/-0.327 χ^2/NDF: 1052.0/16

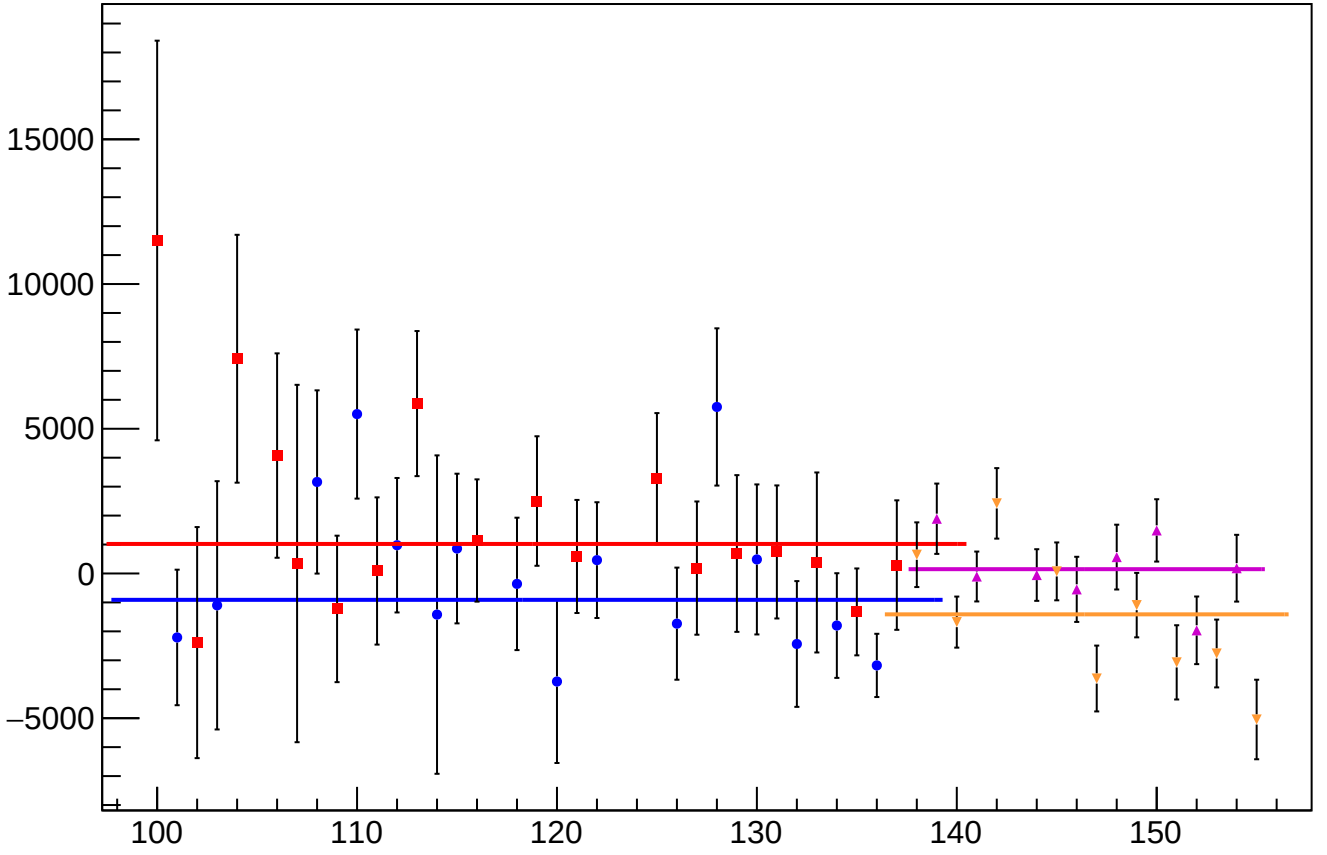
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1794.314+/-0.340 χ^2/NDF:712550.1/23

Out: 1808.489+/-0.341 χ^2/NDF:327913.0/26

All: 1801.383+/-0.241 χ^2/NDF: 1041328.6/50

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: -1412.085+/-372.518 χ^2/NDF:29.5/8

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 148.515+/-372.264 χ^2/NDF:7.5/7

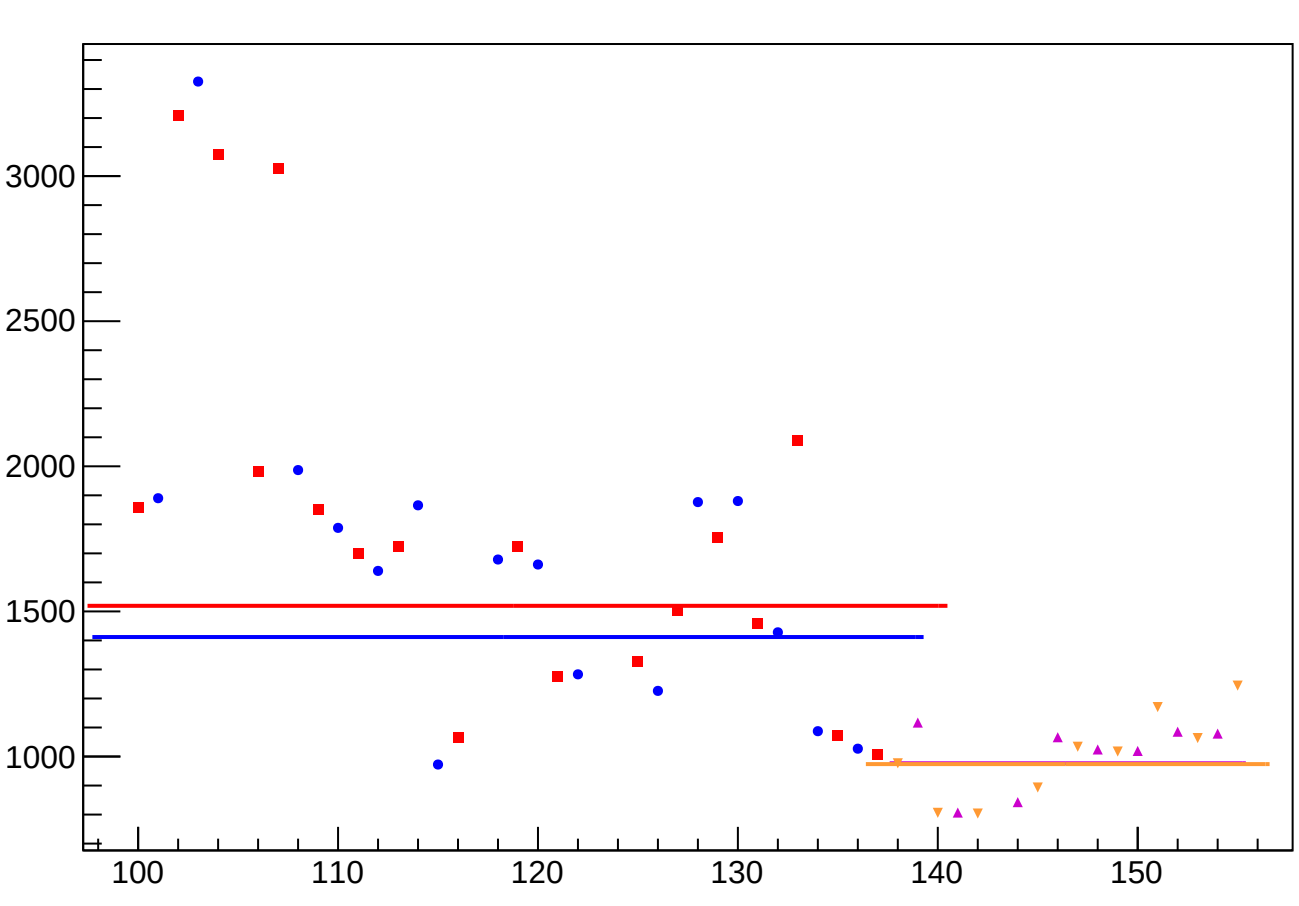
Left: -631.254+/-263.320 χ^2/NDF: 45.8/16

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -183.660+/-308.434 χ^2/NDF:31.1/23

Out: -721.528+/-315.230 χ^2/NDF:56.5/26

All: -446.734+/-220.459 χ^2/NDF: 89.1/50



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 973.909+/-0.263 χ^2/NDF:269281.8/8

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 976.776+/-0.263 χ^2/NDF:201954.0/7

Left: 975.344+/-0.186 χ^2/NDF: 471295.0/16

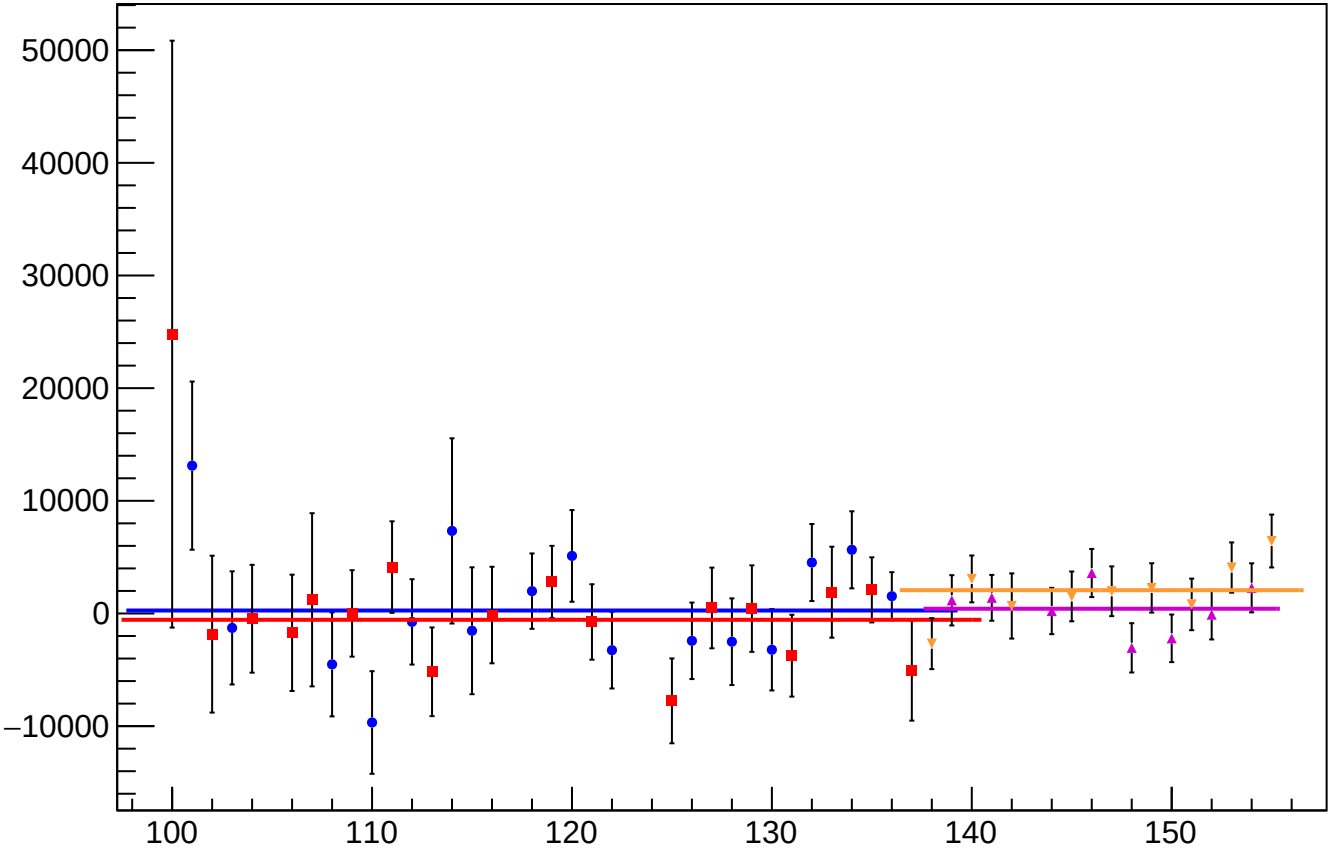
Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1113.152+/-0.218 χ^2/NDF:2235799.6/23

Out: 1128.758+/-0.223 χ^2/NDF:2846611.1/26

All: 1120.785+/-0.156 χ^2/NDF: 5084915.1/50

asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 2067.805+/-758.552 χ^2/NDF:9.5/8

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 421.102+/-756.169 χ^2/NDF:7.4/7

Left: 1241.862+/-535.533 χ^2/NDF: 19.3/16

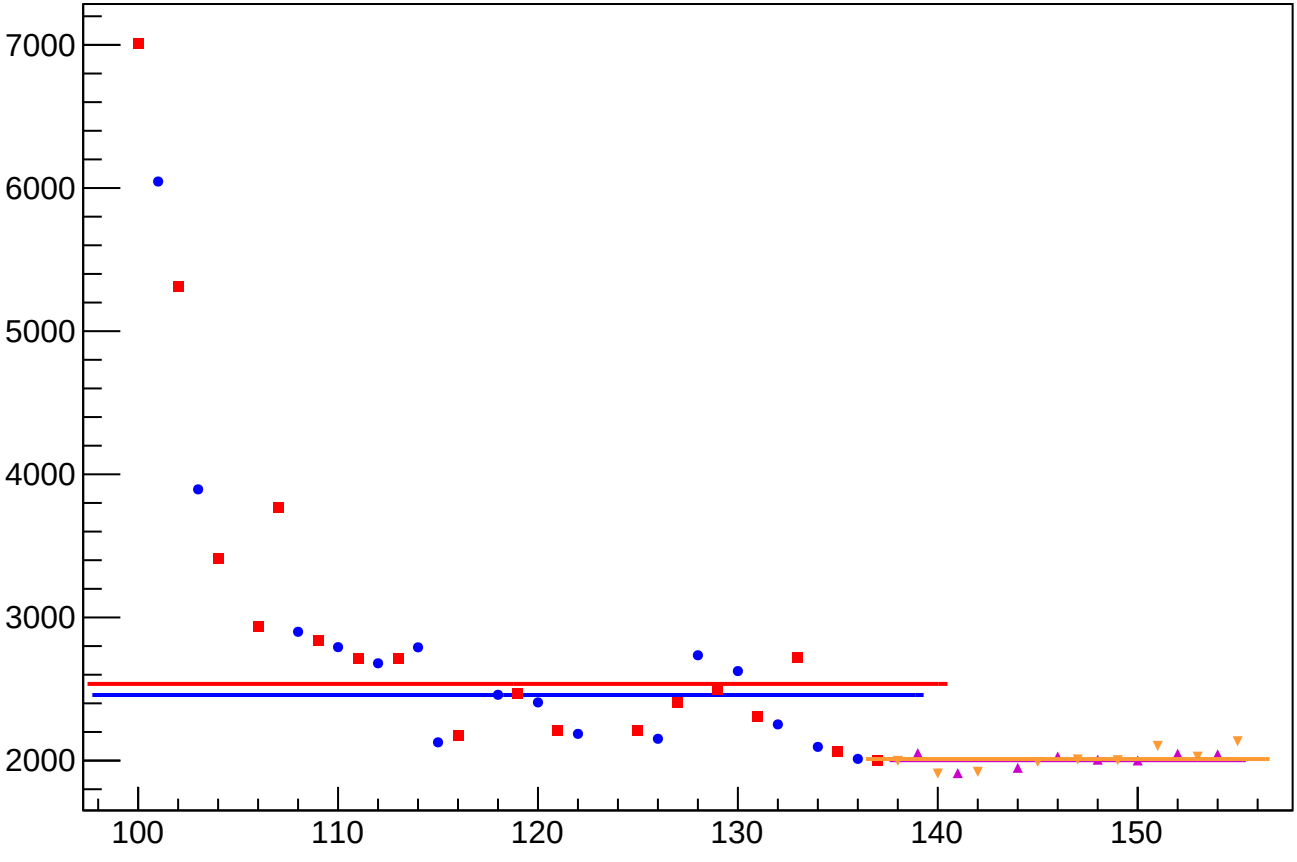
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 359.687+/-589.678 χ^2/NDF:26.4/23

Out: 1061.192+/-595.876 χ^2/NDF:25.9/26

All: 706.773+/-419.139 χ^2/NDF: 53.0/50

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: 2010.873+/-0.536 χ^2/NDF:15852.7/8

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 2002.797+/-0.535 χ^2/NDF:8121.4/7

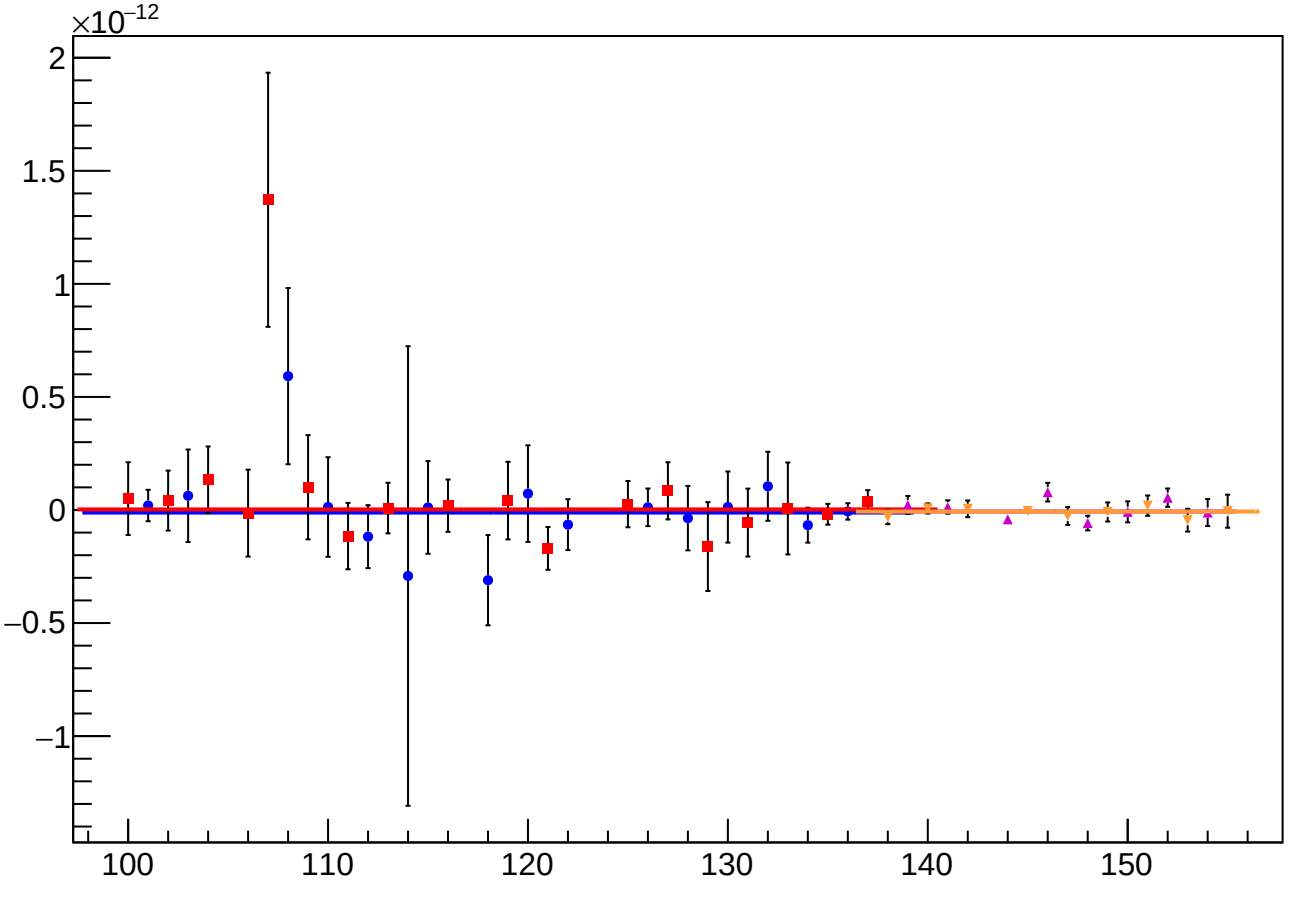
Left: 2006.822+/-0.379 χ^2/NDF: 24087.8/16

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2181.310+/-0.417 χ^2/NDF:1125444.9/23

Out: 2211.873+/-0.421 χ^2/NDF:1055913.6/26

All: 2196.432+/-0.296 χ^2/NDF: 2184016.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:12.7/7

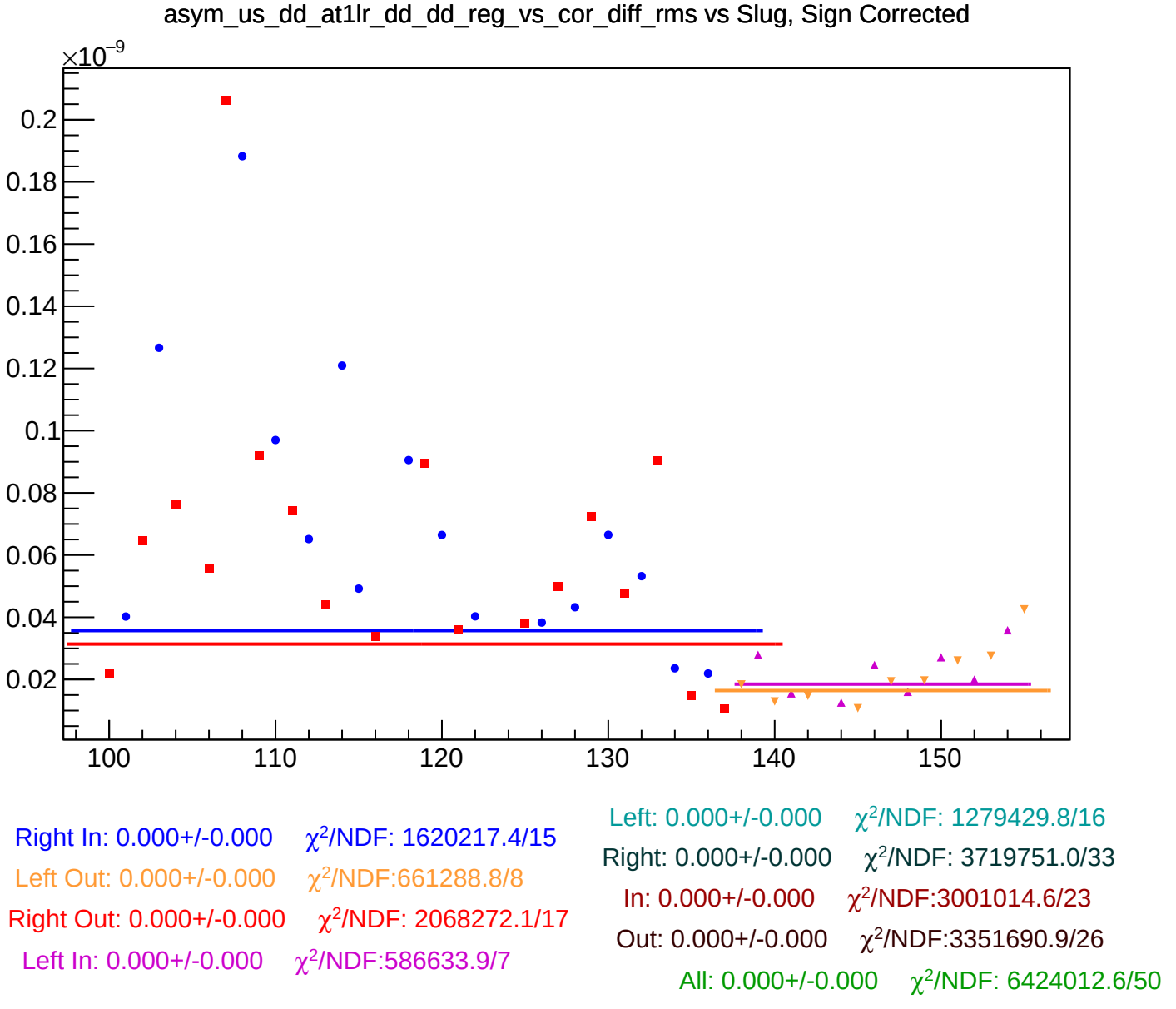
Left: -0.000+/-0.000 χ^2/NDF: 15.0/16

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

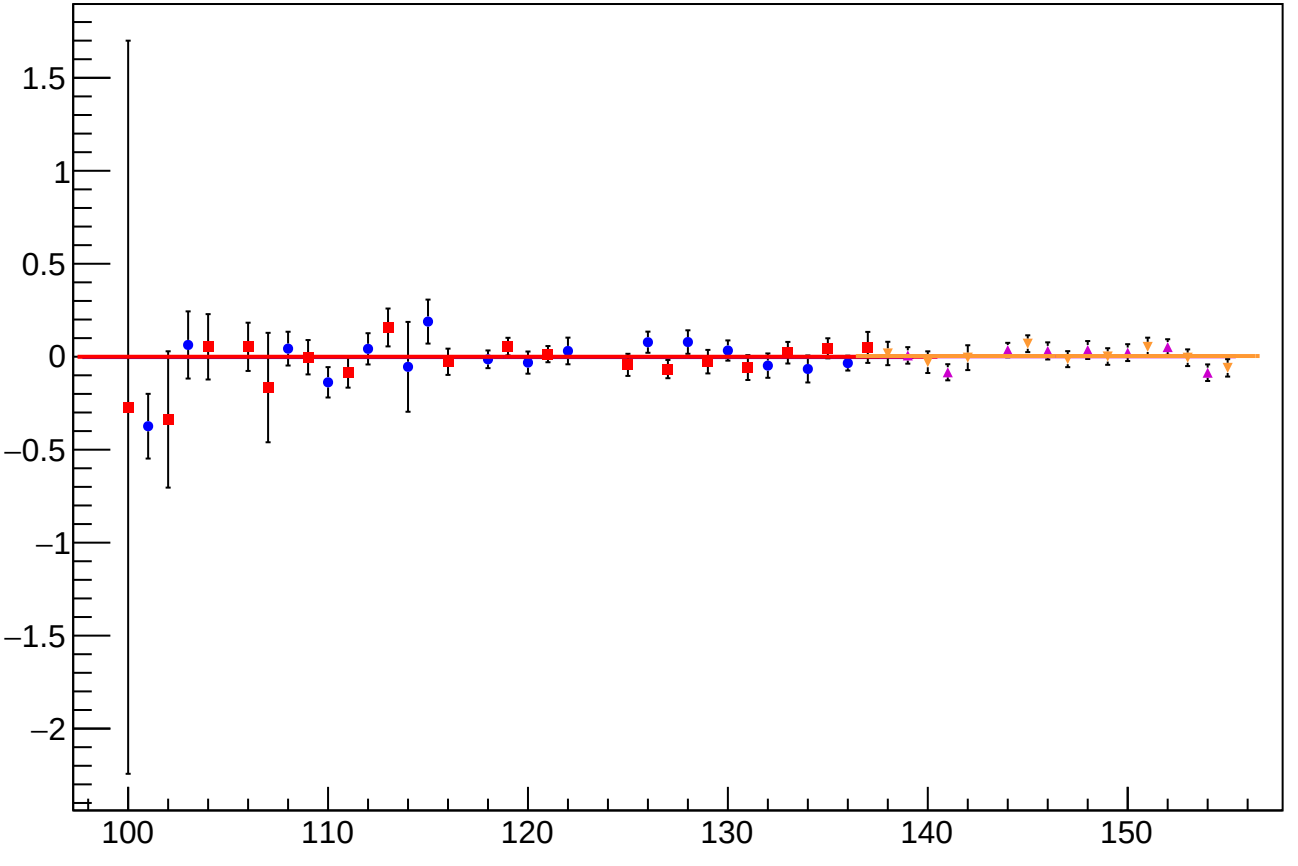
In: -0.000+/-0.000 χ^2/NDF:20.0/23

Out: -0.000+/-0.000 χ^2/NDF:15.6/26

All: -0.000+/-0.000 χ^2/NDF: 35.7/50


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:661288.8/8
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:586633.9/7
Left: 0.000+/-0.000 χ²/NDF: 1279429.8/16
Right: 0.000+/-0.000 χ²/NDF: 3719751.0/33
In: 0.000+/-0.000 χ²/NDF:3001014.6/23
Out: 0.000+/-0.000 χ²/NDF:3351690.9/26
All: 0.000+/-0.000 χ²/NDF: 6424012.6/50

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: 0.004+/-0.017 χ^2/NDF:5.6/8

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.016 χ^2/NDF:11.1/7

Left: 0.003+/-0.011 χ^2/NDF: 16.6/16

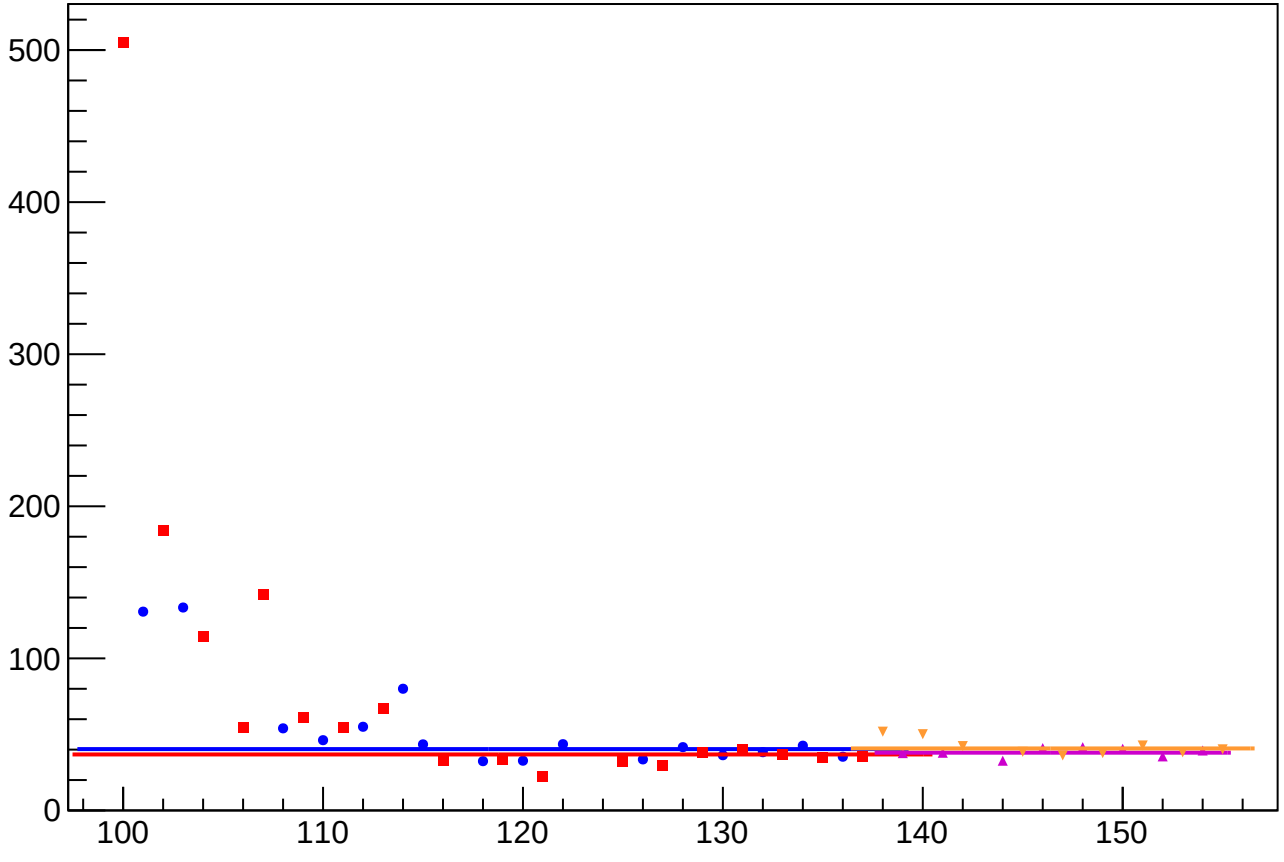
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.011 χ^2/NDF:28.2/23

Out: 0.002+/-0.012 χ^2/NDF:16.5/26

All: 0.001+/-0.008 χ^2/NDF: 44.7/50

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.782+/-0.012 χ^2/NDF:160778.1/8

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.988+/-0.011 χ^2/NDF:71865.1/7

Left: 39.296+/-0.008 χ^2/NDF: 263001.7/16

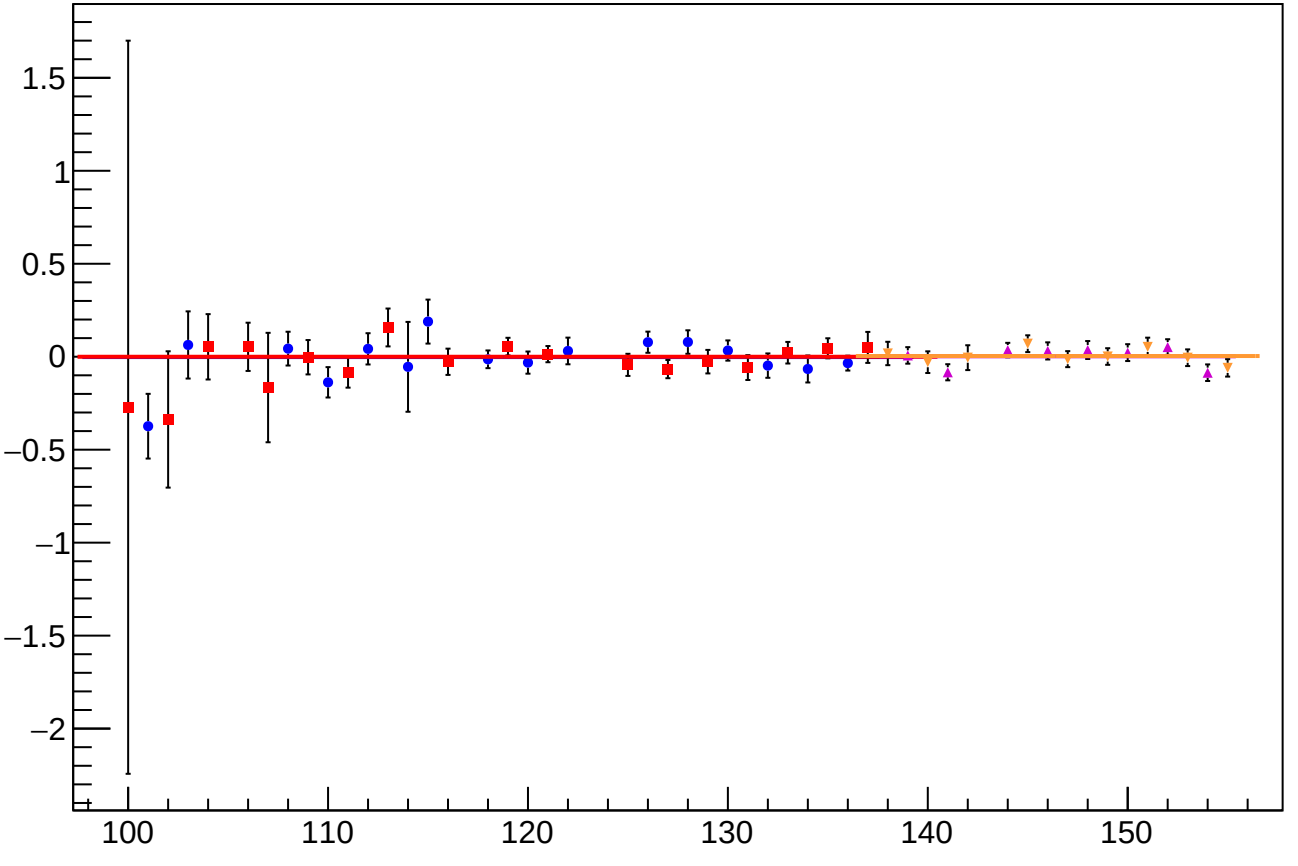
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.057+/-0.008 χ^2/NDF:1502987.4/23

Out: 38.819+/-0.008 χ^2/NDF:2054713.1/26

All: 38.940+/-0.006 χ^2/NDF: 3558119.9/50

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: 0.004+/-0.017 χ^2/NDF:5.6/8

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.016 χ^2/NDF:11.1/7

Left: 0.003+/-0.011 χ^2/NDF: 16.6/16

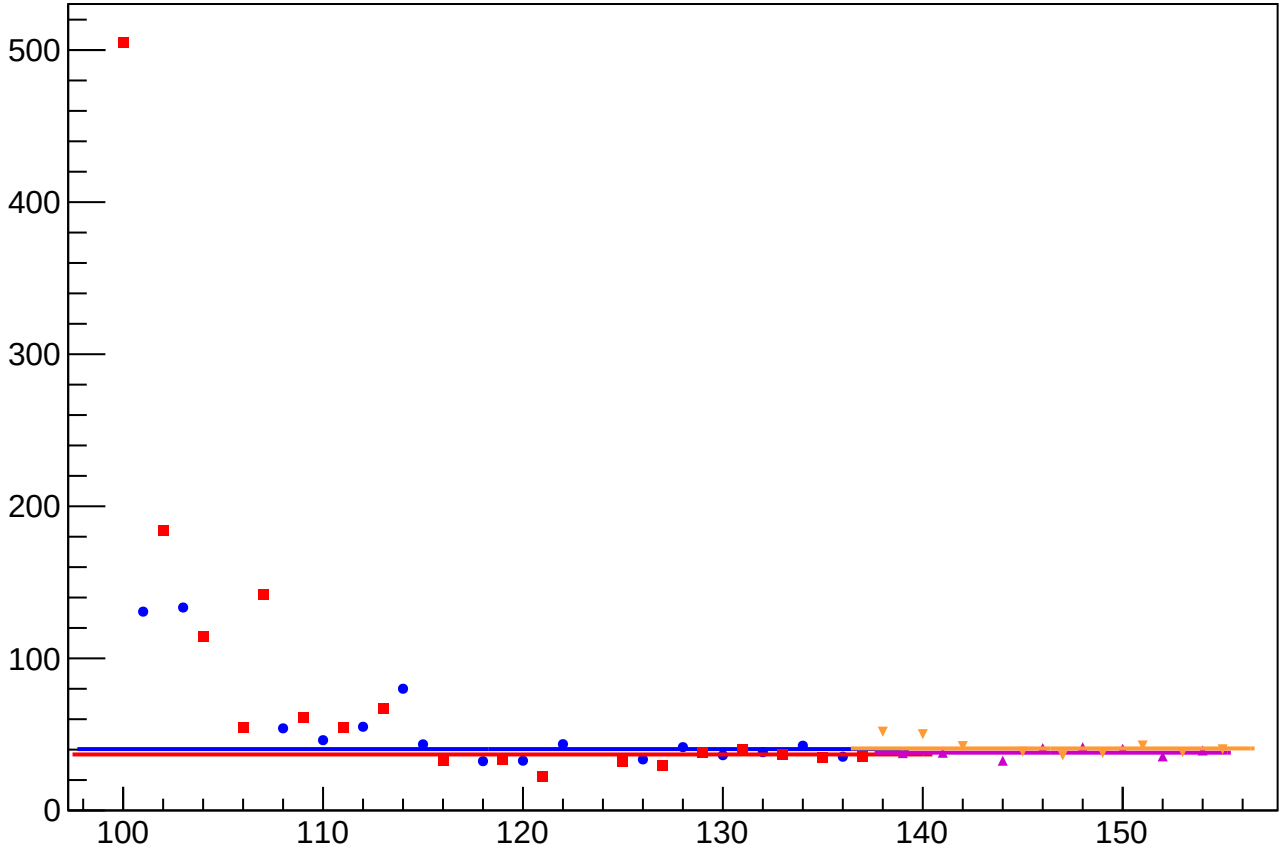
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.011 χ^2/NDF:28.2/23

Out: 0.002+/-0.012 χ^2/NDF:16.5/26

All: 0.001+/-0.008 χ^2/NDF: 44.7/50

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.782+/-0.012 χ^2/NDF:160778.1/8

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.988+/-0.011 χ^2/NDF:71865.1/7

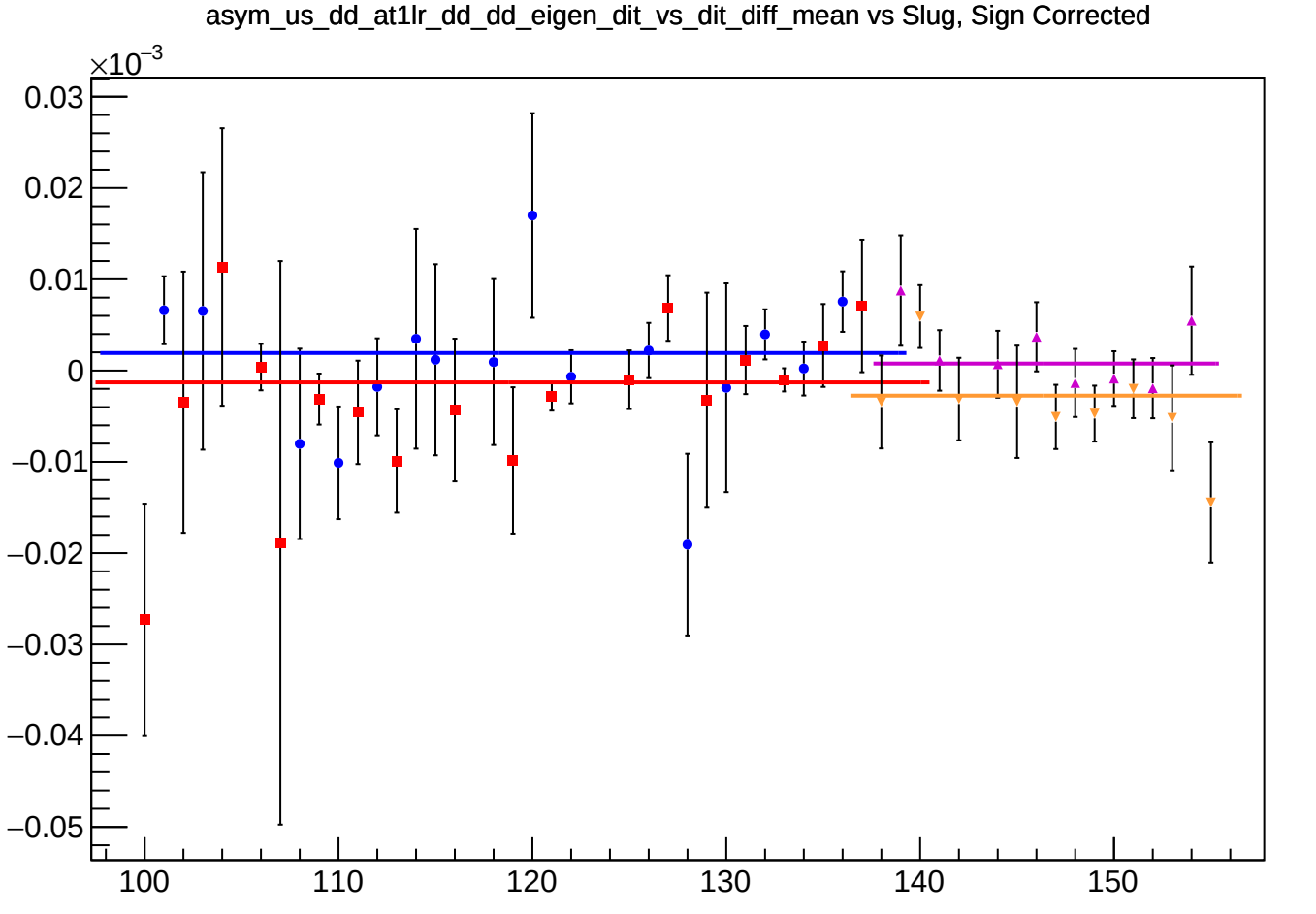
Left: 39.296+/-0.008 χ^2/NDF: 263001.7/16

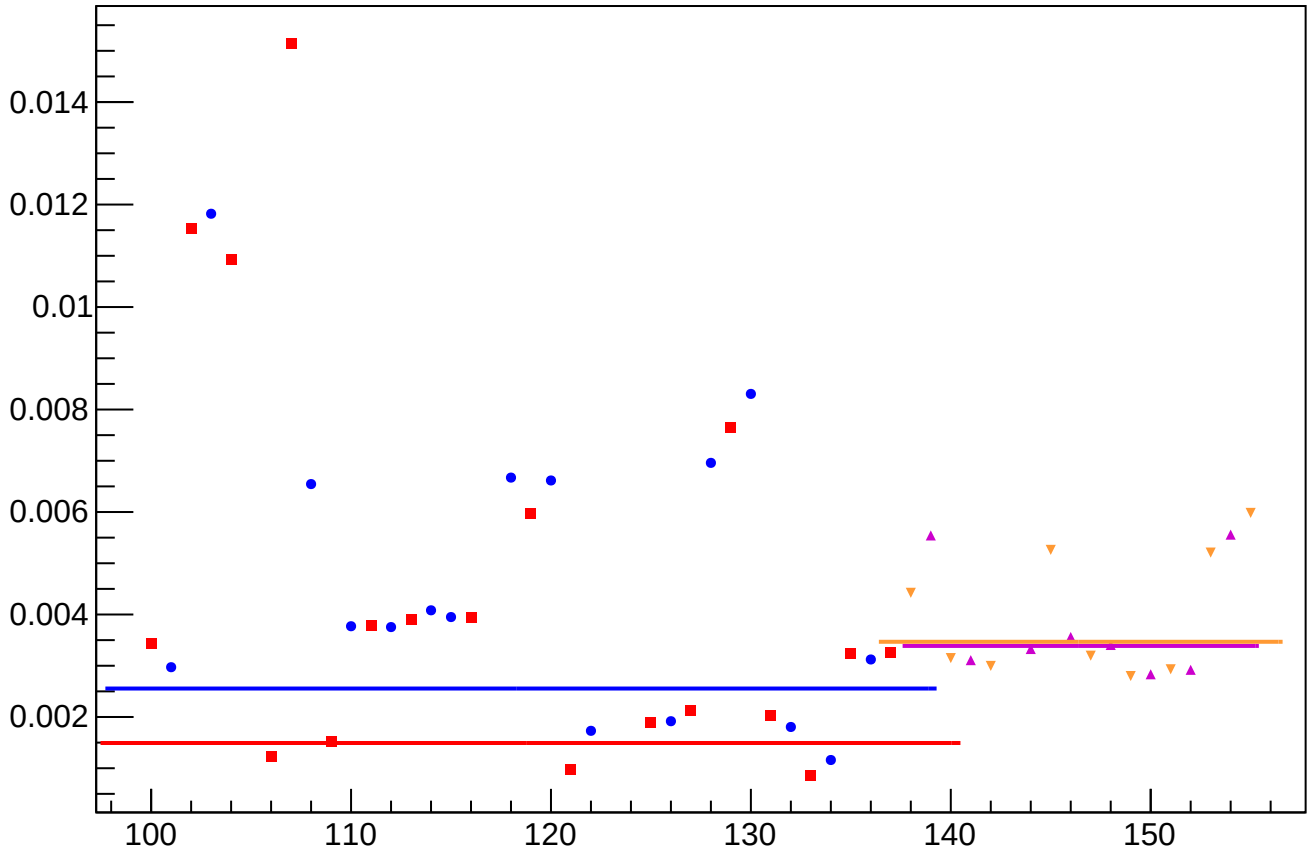
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.057+/-0.008 χ^2/NDF:1502987.4/23

Out: 38.819+/-0.008 χ^2/NDF:2054713.1/26

All: 38.940+/-0.006 χ^2/NDF: 3558119.9/50


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 17.9/15
Left Out: -0.000+/-0.000 χ²/NDF:10.6/8
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:4.3/7
Left: -0.000+/-0.000 χ²/NDF: 18.3/16
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:22.6/23
Out: -0.000+/-0.000 χ²/NDF:30.4/26
All: -0.000+/-0.000 χ²/NDF: 60.9/50



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.003+/-0.000 χ^2/NDF:917245.0/8

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.003+/-0.000 χ^2/NDF:649706.2/7

Left: 0.003+/-0.000 χ^2/NDF: 1570549.8/16

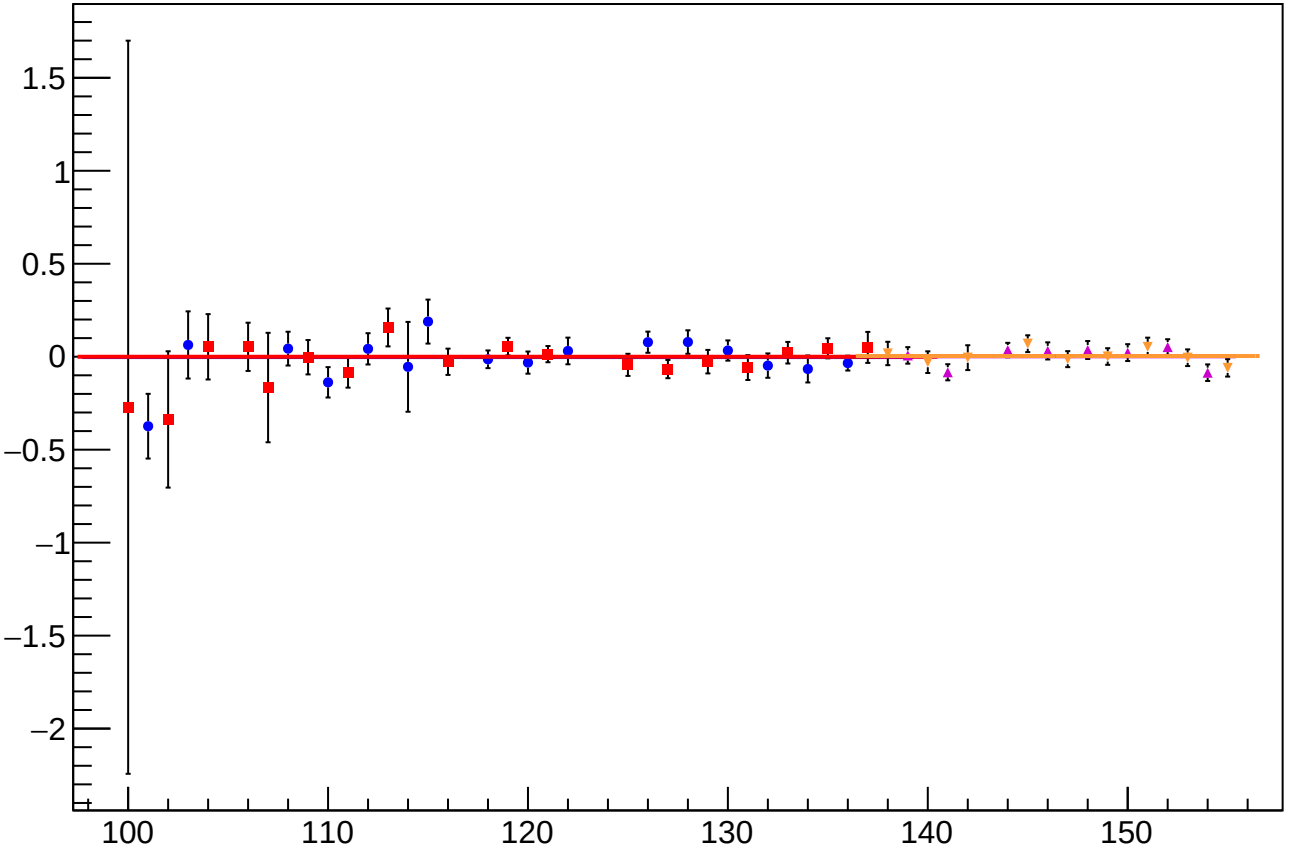
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:4882505.5/23

Out: 0.002+/-0.000 χ^2/NDF:9687798.7/26

All: 0.002+/-0.000 χ^2/NDF: 16117395.3/50

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: 0.004+/-0.017 χ^2/NDF:5.6/8

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.016 χ^2/NDF:11.1/7

Left: 0.003+/-0.011 χ^2/NDF: 16.6/16

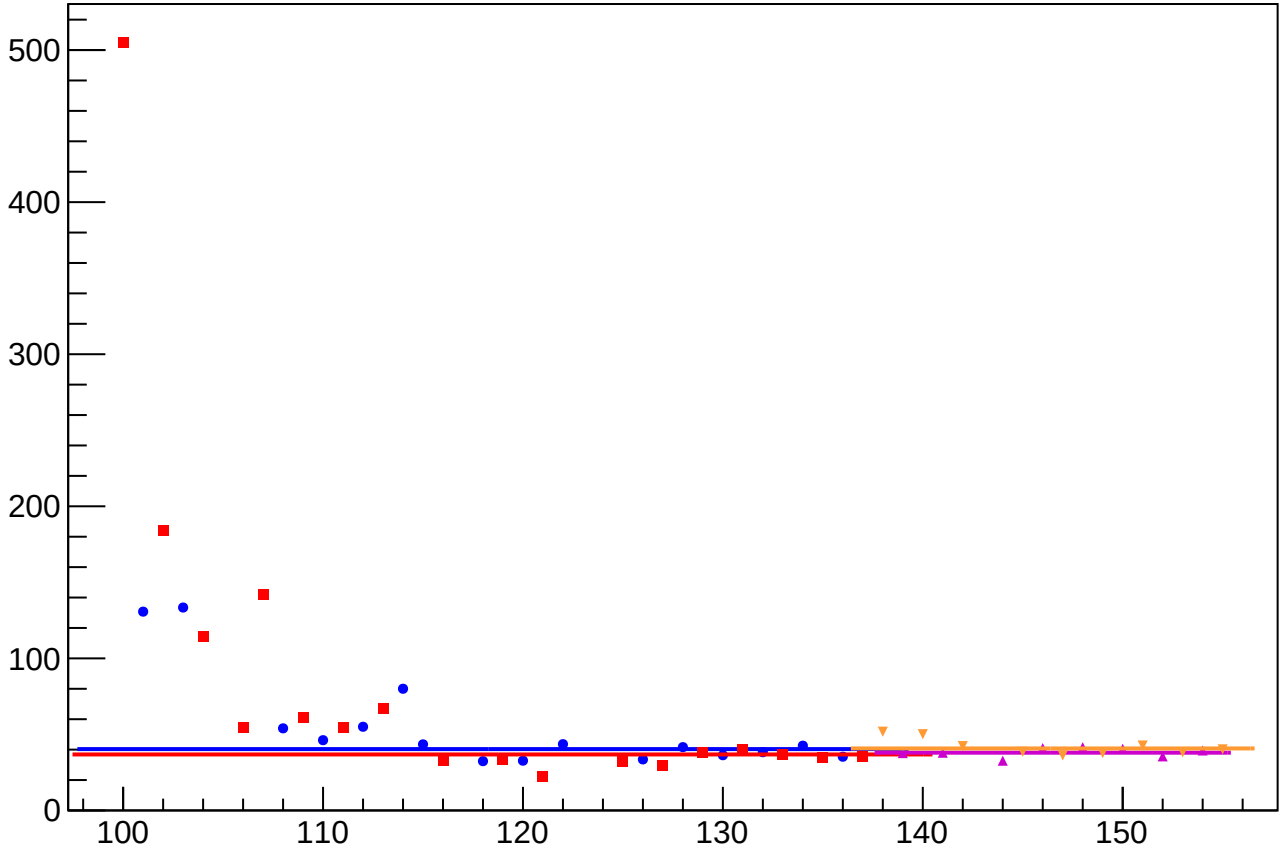
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.011 χ^2/NDF:28.2/23

Out: 0.002+/-0.012 χ^2/NDF:16.5/26

All: 0.001+/-0.008 χ^2/NDF: 44.7/50

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.782+/-0.012 χ^2/NDF:160785.1/8

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.988+/-0.011 χ^2/NDF:71862.2/7

Left: 39.296+/-0.008 χ^2/NDF: 263004.8/16

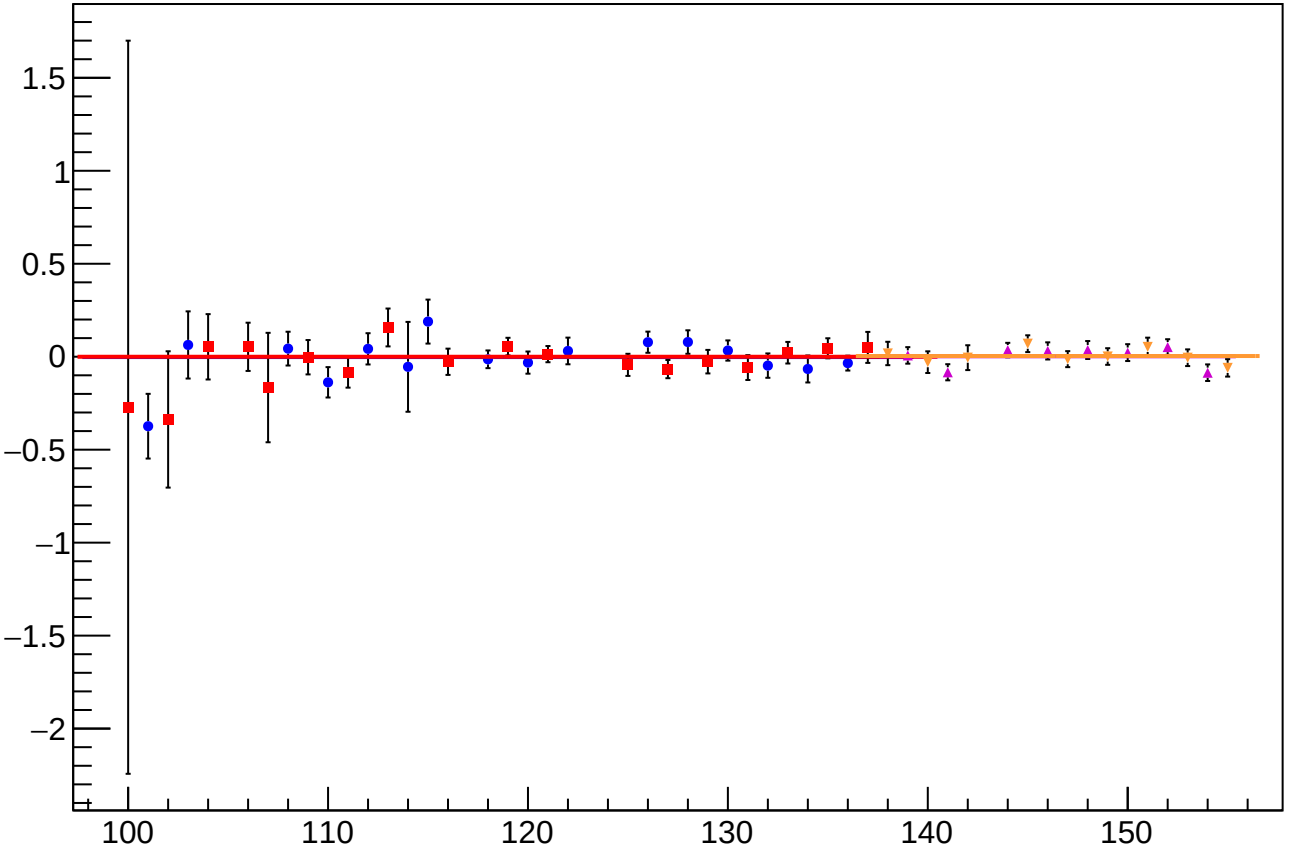
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.057+/-0.008 χ^2/NDF:1502891.5/23

Out: 38.818+/-0.008 χ^2/NDF:2054742.5/26

All: 38.940+/-0.006 χ^2/NDF: 3558056.0/50

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: 0.004+/-0.017 χ^2/NDF:5.6/8

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.016 χ^2/NDF:11.1/7

Left: 0.003+/-0.011 χ^2/NDF: 16.6/16

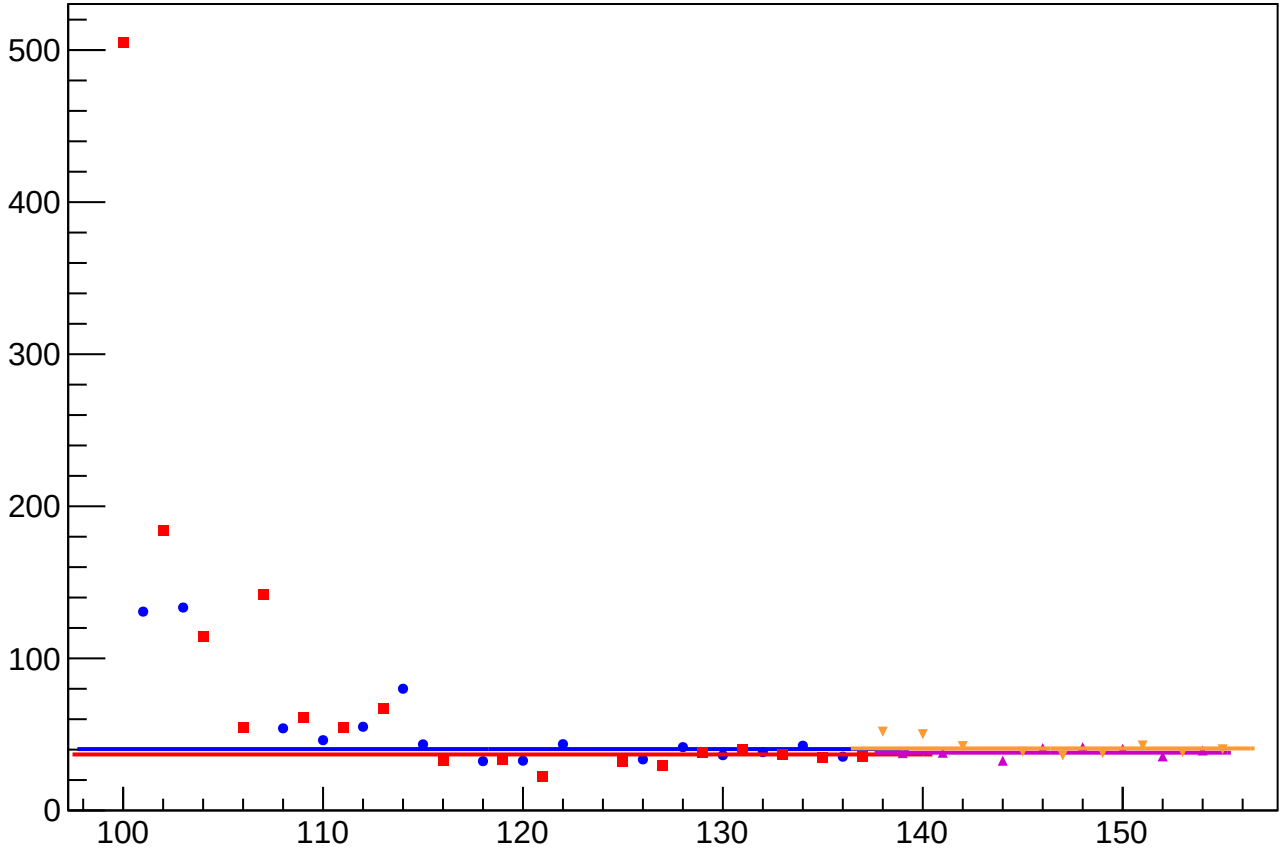
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.011 χ^2/NDF:28.2/23

Out: 0.002+/-0.012 χ^2/NDF:16.5/26

All: 0.001+/-0.008 χ^2/NDF: 44.7/50

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.782+/-0.012 χ^2/NDF:160785.1/8

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.988+/-0.011 χ^2/NDF:71862.2/7

Left: 39.296+/-0.008 χ^2/NDF: 263004.8/16

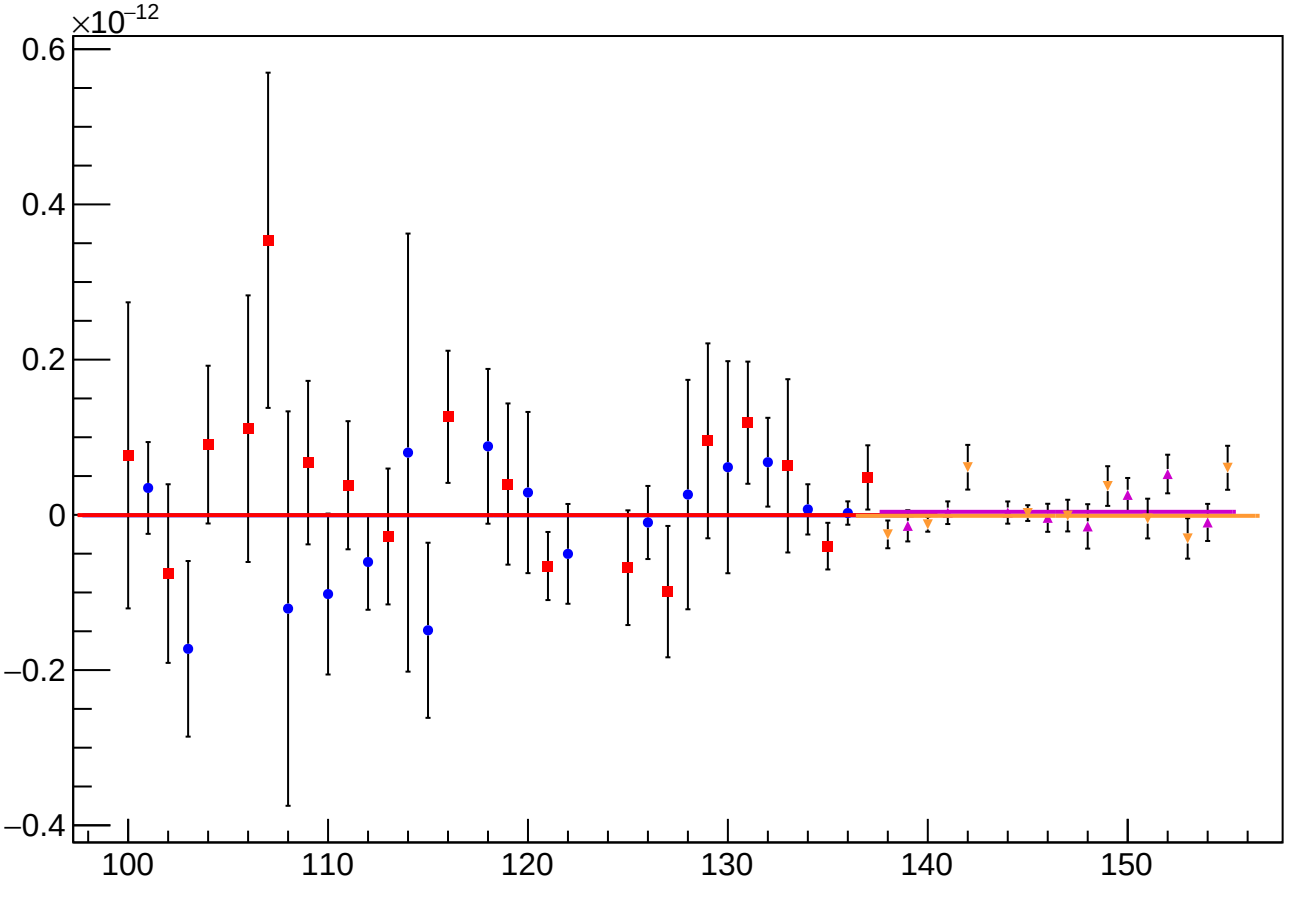
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.057+/-0.008 χ^2/NDF:1502891.5/23

Out: 38.818+/-0.008 χ^2/NDF:2054742.5/26

All: 38.940+/-0.006 χ^2/NDF: 3558056.0/50

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/8

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: 0.000+/-0.000 χ^2/NDF:6.6/7

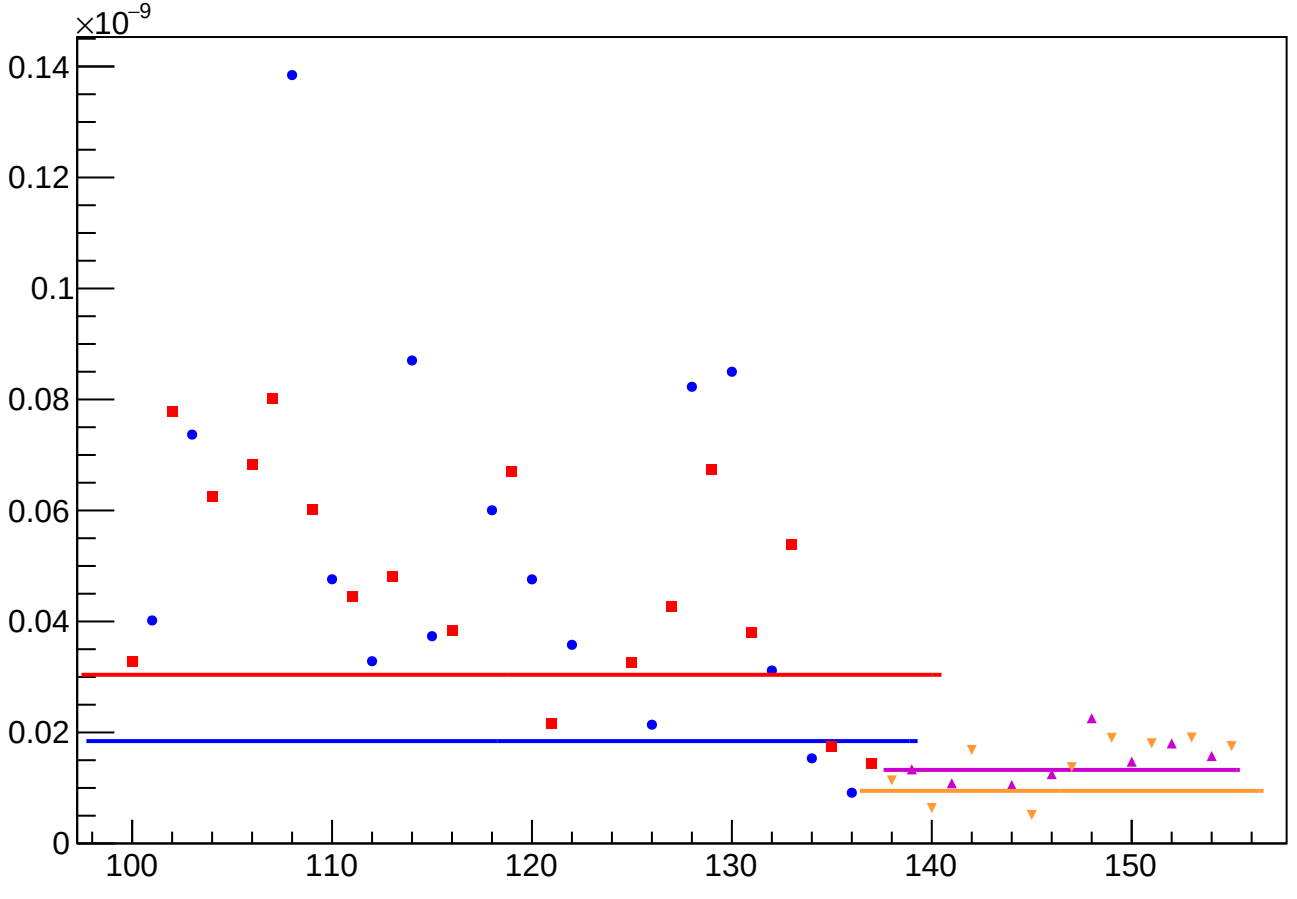
Left: 0.000+/-0.000 χ^2/NDF: 23.2/16

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: 0.000+/-0.000 χ^2/NDF:16.6/23

Out: -0.000+/-0.000 χ^2/NDF:34.6/26

All: 0.000+/-0.000 χ^2/NDF: 51.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1758722.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:447094.6/7

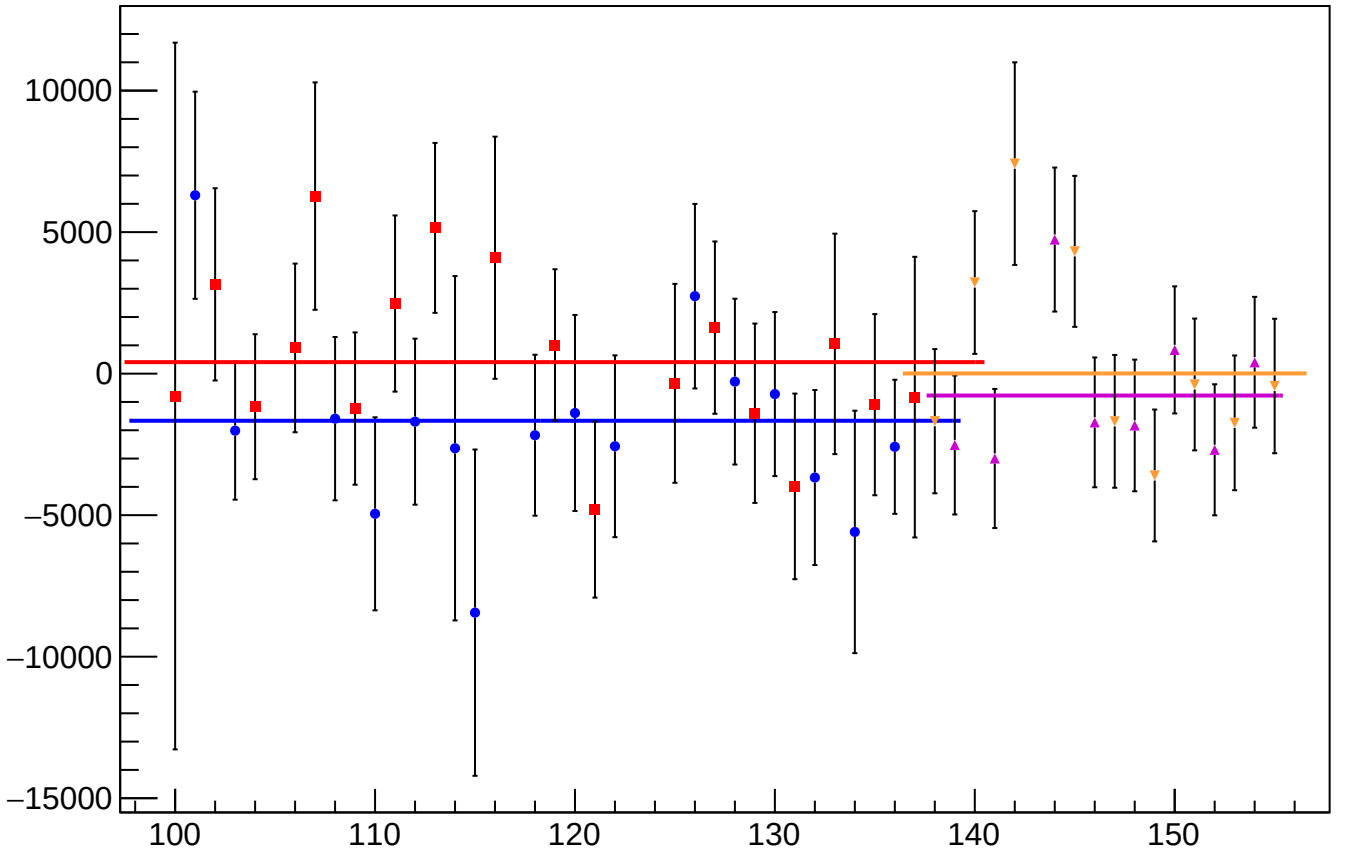
Left: 0.000+/-0.000 χ^2/NDF: 2581669.8/16

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:4770559.9/23

Out: 0.000+/-0.000 χ^2/NDF:7052737.2/26

All: 0.000+/-0.000 χ^2/NDF: 12121664.8/50



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 7.056+/-835.016 χ^2/NDF:12.5/8

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -773.581+/-835.317 χ^2/NDF:7.9/7

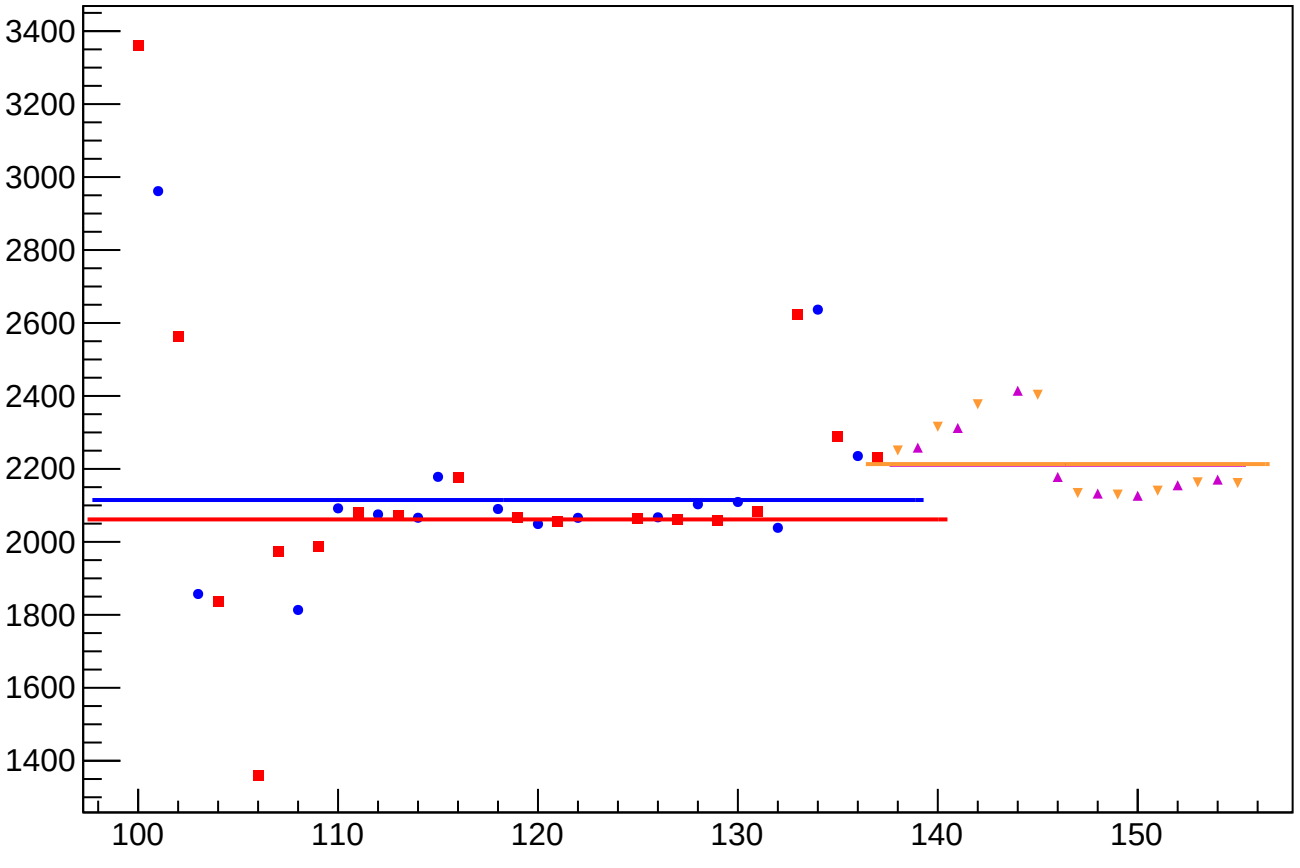
Left: -383.122+/-590.552 χ^2/NDF: 20.8/16

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1242.544+/-574.795 χ^2/NDF:19.2/23

Out: 221.281+/-568.889 χ^2/NDF:25.3/26

All: -503.073+/-404.337 χ^2/NDF: 47.9/50



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2213.213+/-0.590 χ^2/NDF:26730.2/8

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2211.372+/-0.591 χ^2/NDF:24209.7/7

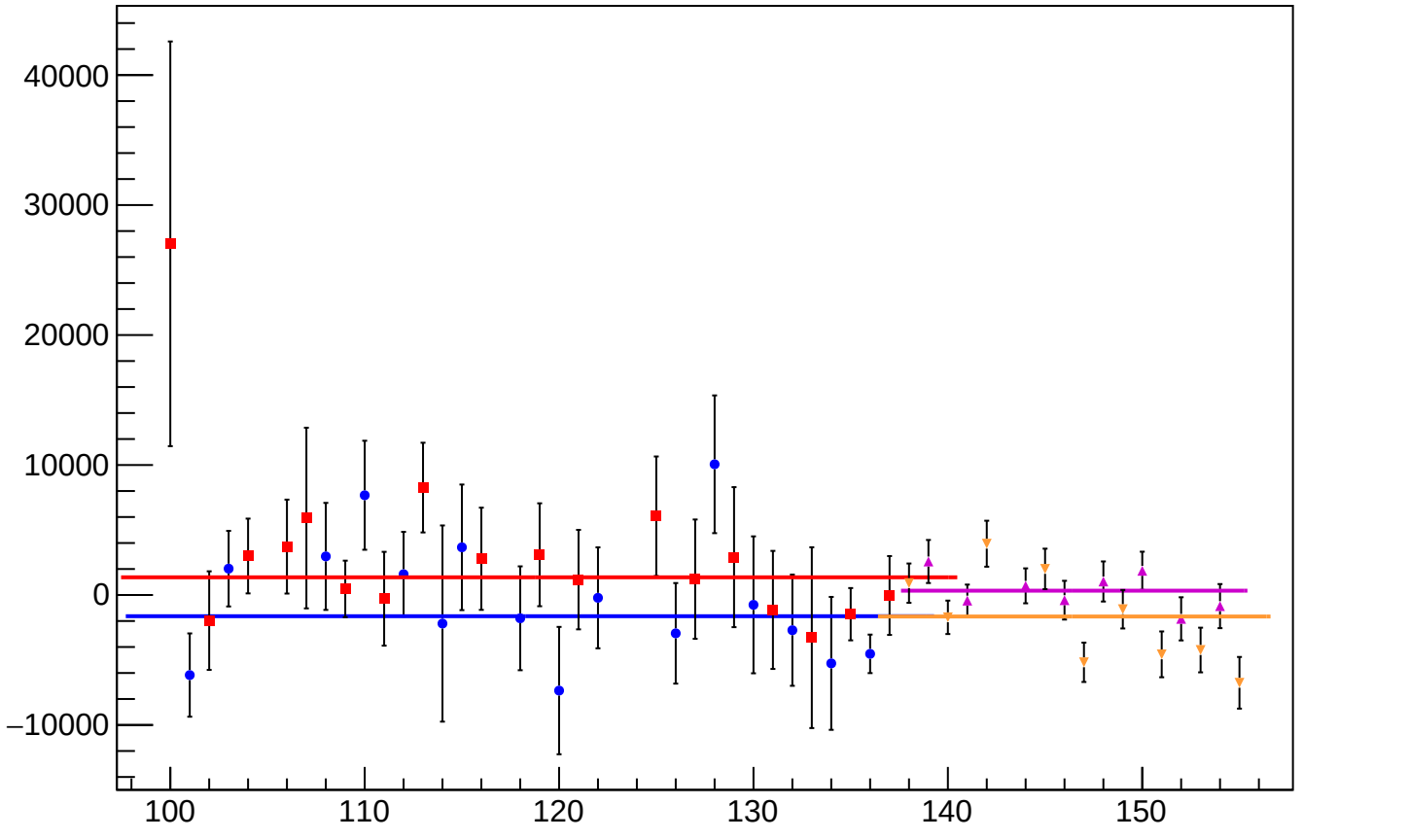
Left: 2212.293+/-0.418 χ^2/NDF: 50944.7/16

Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2160.503+/-0.406 χ^2/NDF:228217.5/23

Out: 2131.951+/-0.402 χ^2/NDF:311266.3/26

All: 2146.079+/-0.286 χ^2/NDF: 541976.8/50



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1654.017+/-528.441 χ^2/NDF:35.6/8

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 332.875+/-525.564 χ^2/NDF:6.0/7

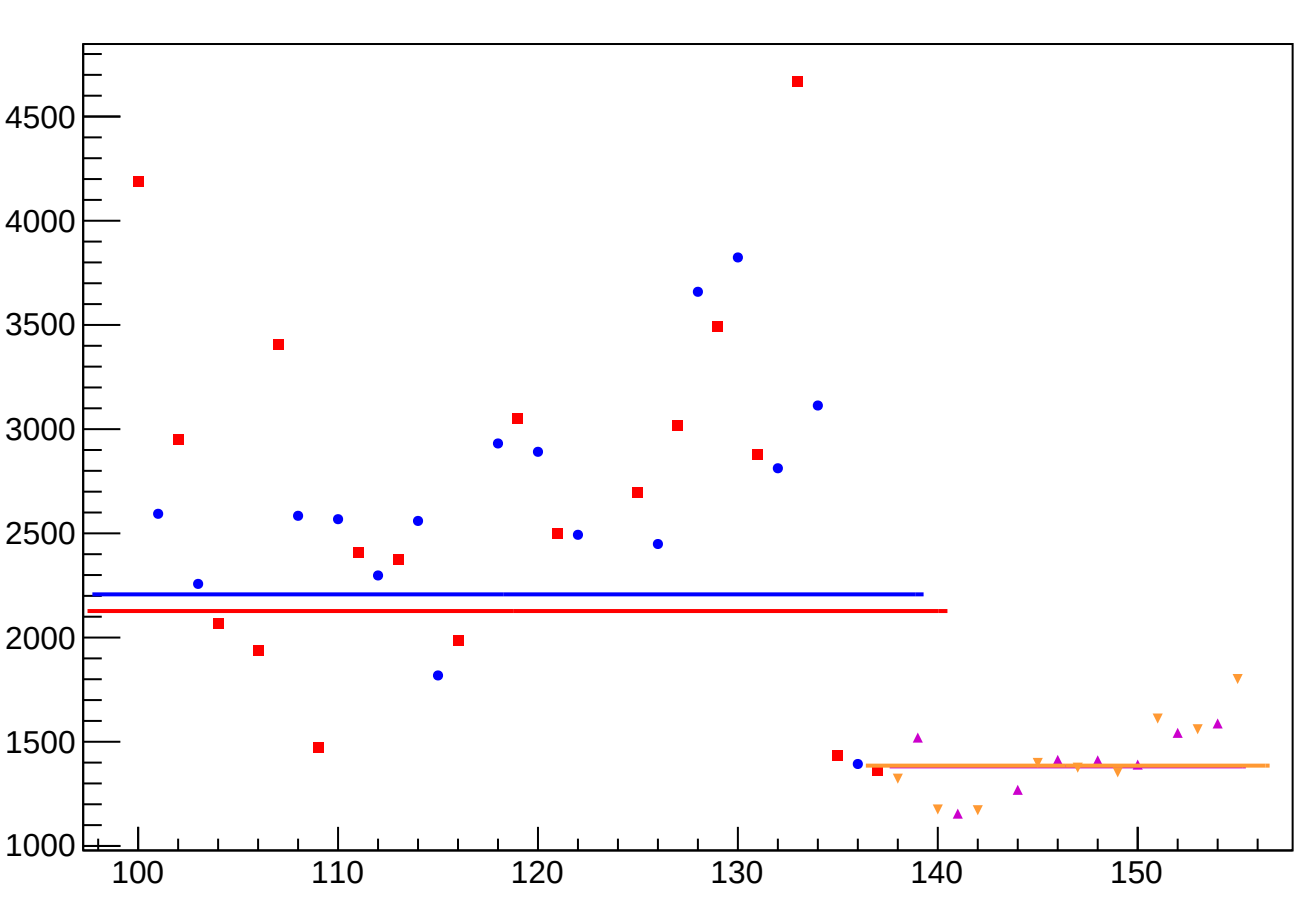
Left: -655.147+/-372.643 χ^2/NDF: 48.7/16

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -198.813+/-448.794 χ^2/NDF:32.7/23

Out: -799.492+/-447.355 χ^2/NDF:58.3/26

All: -500.117+/-316.835 χ^2/NDF: 91.8/50



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1385.455+/-0.374 χ^2/NDF:228375.7/8

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1381.729+/-0.372 χ^2/NDF:145476.5/7

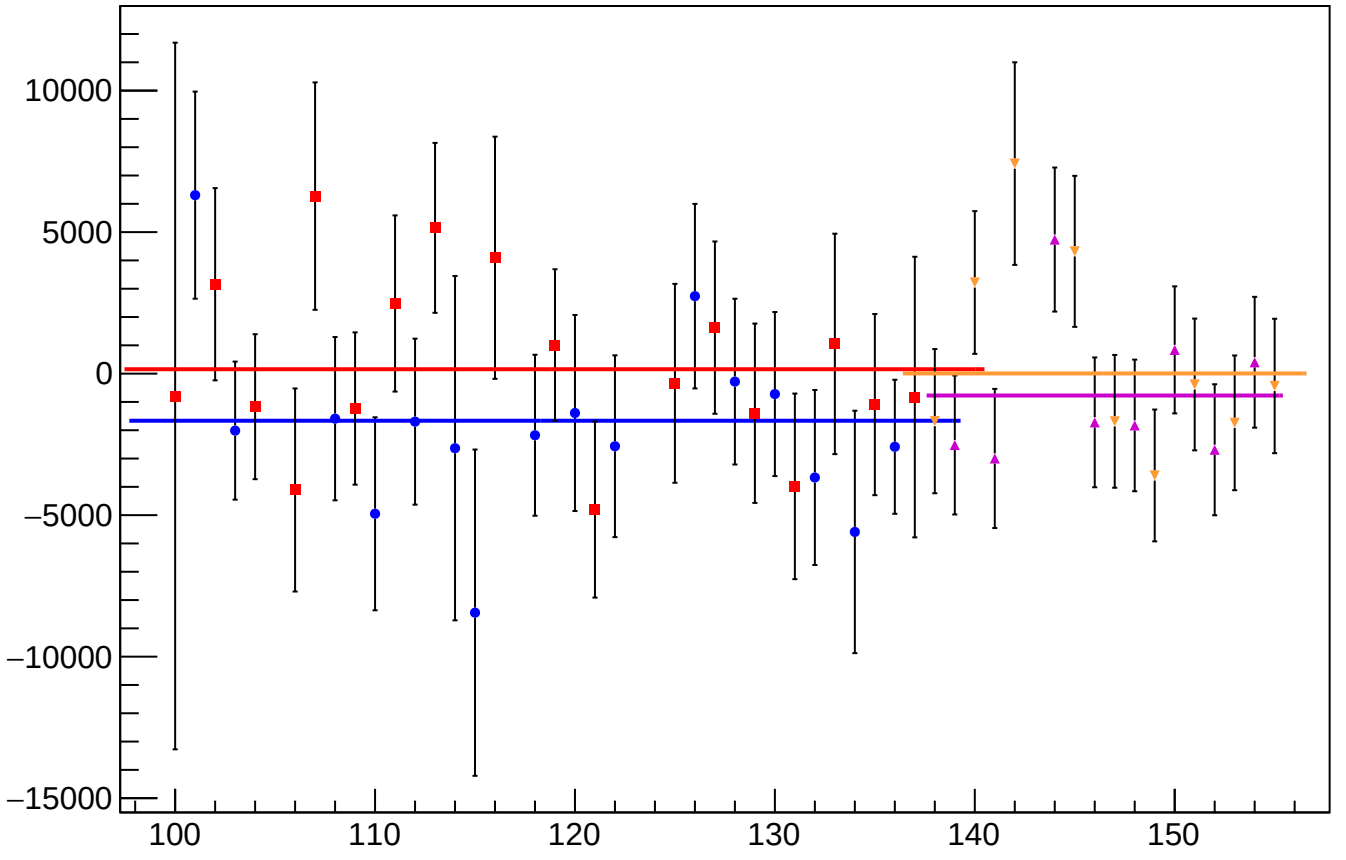
Left: 1383.582+/-0.263 χ^2/NDF: 373902.2/16

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1605.286+/-0.317 χ^2/NDF:2731027.4/23

Out: 1595.631+/-0.316 χ^2/NDF:2802997.2/26

All: 1600.443+/-0.224 χ^2/NDF: 5534489.0/50



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 7.191+/-835.016 χ^2/NDF:12.5/8

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -773.502+/-835.317 χ^2/NDF:7.9/7

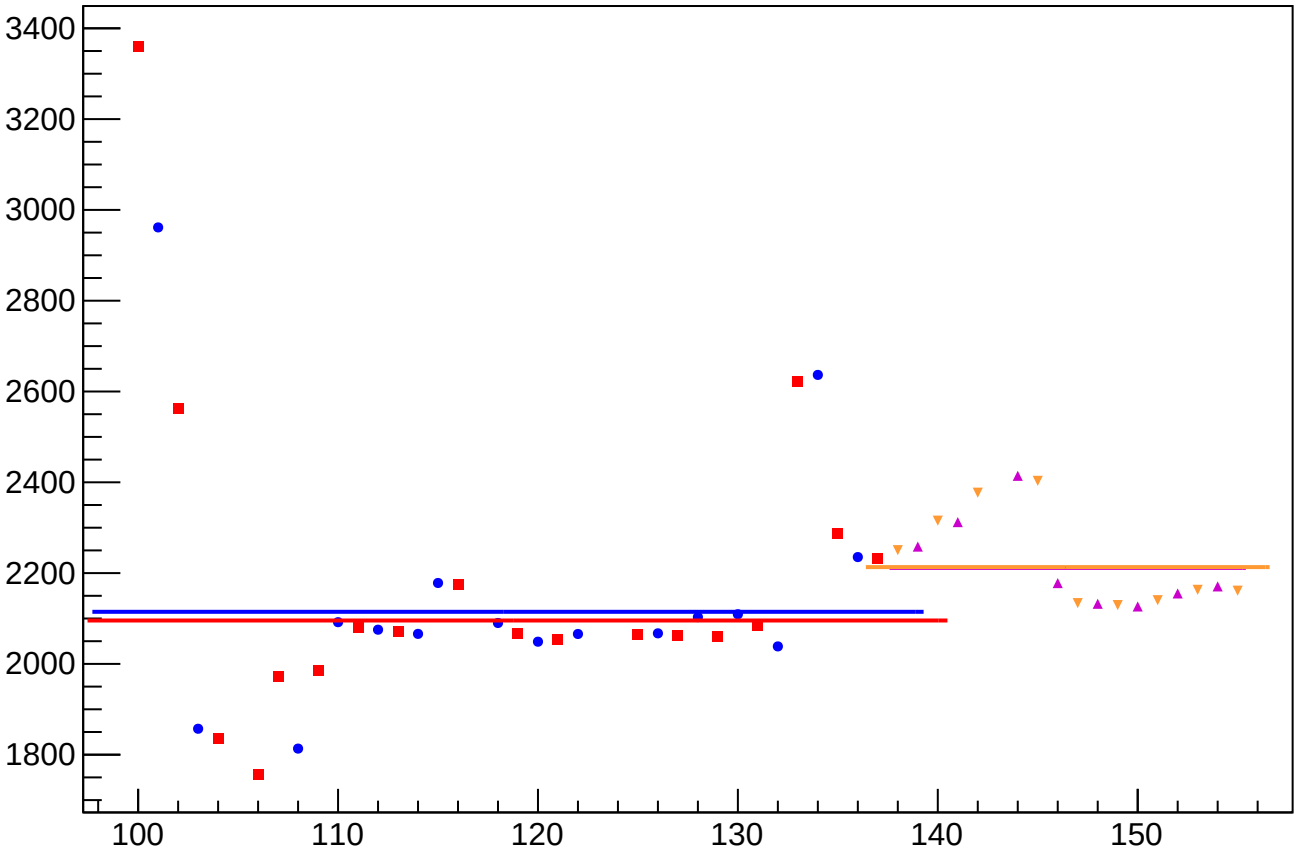
Left: -383.015+/-590.552 χ^2/NDF: 20.8/16

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1242.468+/-574.795 χ^2/NDF:19.2/23

Out: 86.021+/-572.130 χ^2/NDF:26.7/26

All: -575.137+/-405.496 χ^2/NDF: 48.6/50



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2213.213+/-0.590 χ^2/NDF:26730.2/8

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2211.372+/-0.591 χ^2/NDF:24209.7/7

Left: 2212.293+/-0.418 χ^2/NDF: 50944.7/16

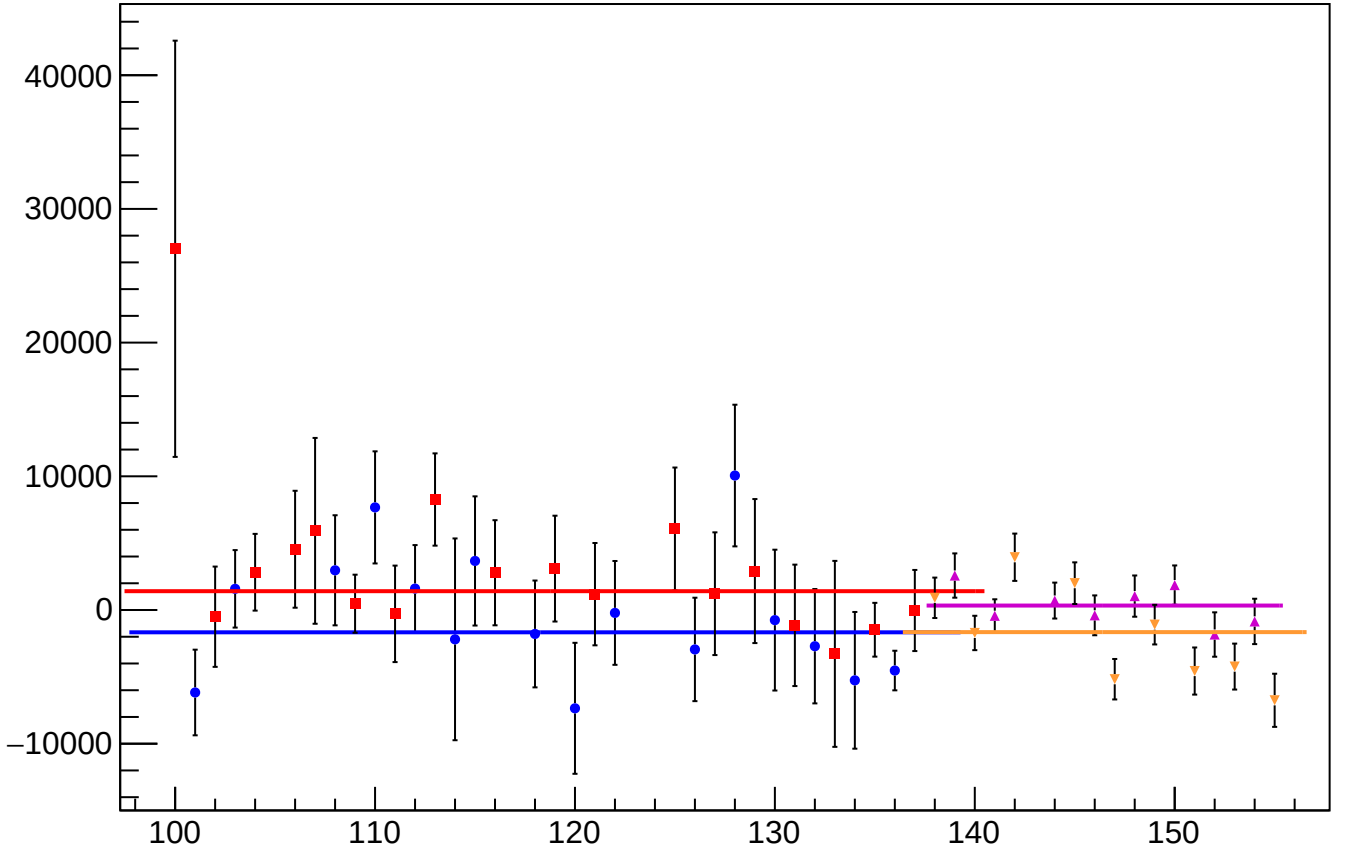
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2160.503+/-0.406 χ^2/NDF:228217.9/23

Out: 2150.813+/-0.405 χ^2/NDF:197142.8/26

All: 2155.636+/-0.287 χ^2/NDF: 425646.2/50

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1654.044+/-528.446 χ^2/NDF:35.6/8

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 332.874+/-525.563 χ^2/NDF:6.0/7

Left: -655.151+/-372.644 χ^2/NDF: 48.7/16

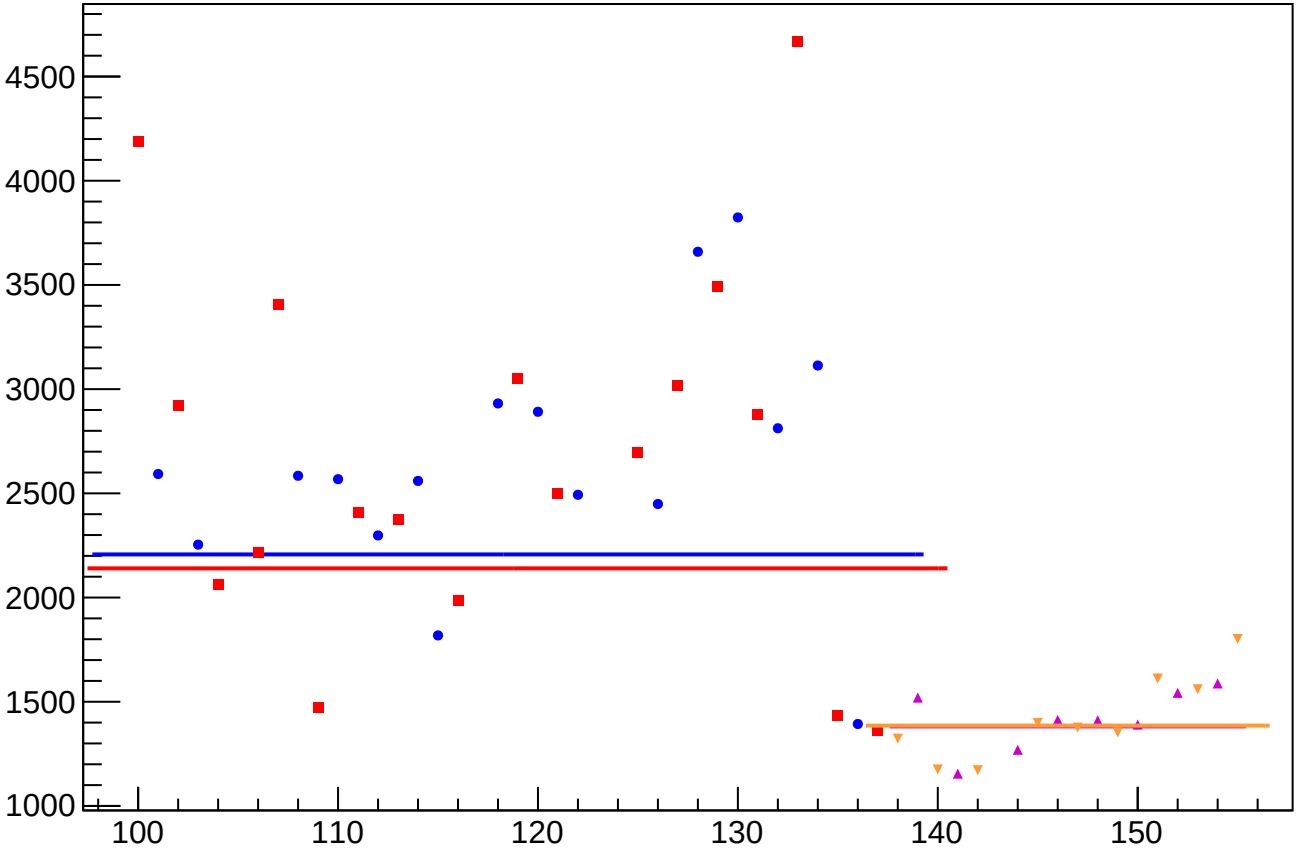
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -209.372+/-448.752 χ^2/NDF:32.5/23

Out: -796.198+/-448.352 χ^2/NDF:57.9/26

All: -503.047+/-317.174 χ^2/NDF: 91.3/50

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1385.470+/-0.374 χ^2/NDF:228327.0/8

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1381.725+/-0.372 χ^2/NDF:145506.0/7

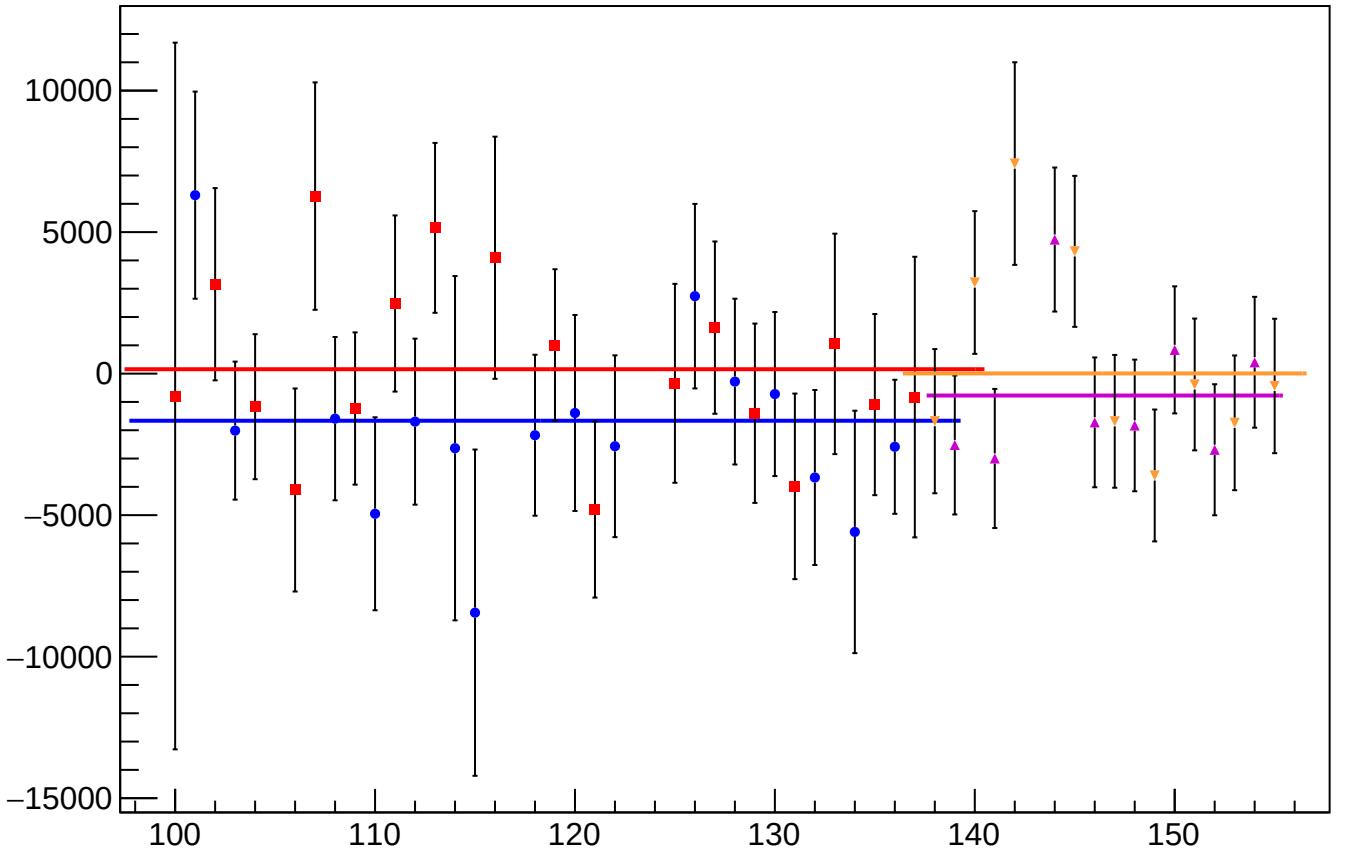
Left: 1383.587+/-0.263 χ^2/NDF: 373883.6/16

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1605.302+/-0.317 χ^2/NDF:2730399.3/23

Out: 1596.874+/-0.317 χ^2/NDF:2819183.4/26

All: 1601.084+/-0.224 χ^2/NDF: 5549935.8/50



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 7.191+/-835.016 χ^2/NDF:12.5/8

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -773.502+/-835.317 χ^2/NDF:7.9/7

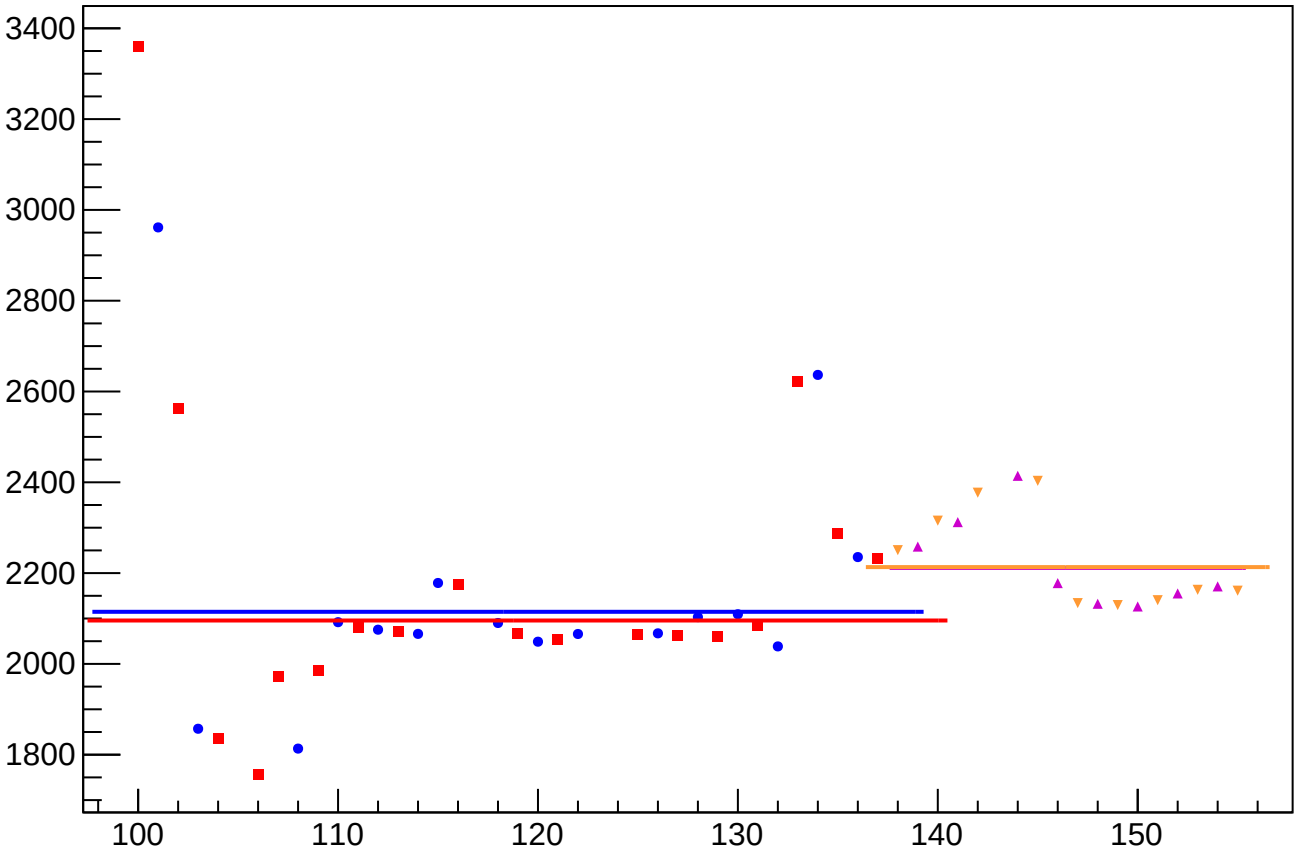
Left: -383.015+/-590.552 χ^2/NDF: 20.8/16

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1242.468+/-574.795 χ^2/NDF:19.2/23

Out: 86.021+/-572.130 χ^2/NDF:26.7/26

All: -575.137+/-405.496 χ^2/NDF: 48.6/50



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2213.213+/-0.590 χ^2/NDF:26730.2/8

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2211.372+/-0.591 χ^2/NDF:24209.7/7

Left: 2212.293+/-0.418 χ^2/NDF: 50944.7/16

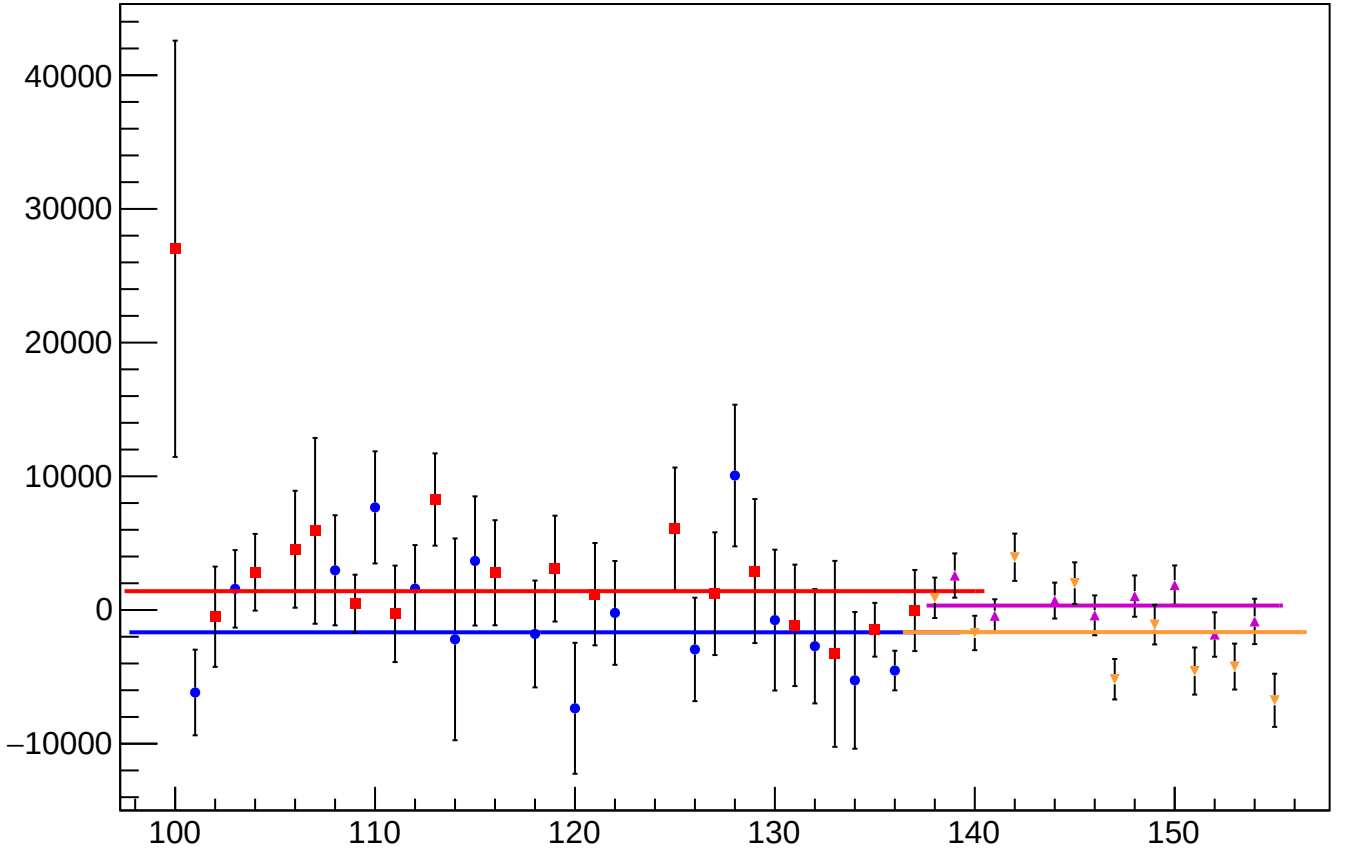
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2160.503+/-0.406 χ^2/NDF:228217.9/23

Out: 2150.813+/-0.405 χ^2/NDF:197142.8/26

All: 2155.636+/-0.287 χ^2/NDF: 425646.2/50

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: -1654.044+/-528.446 χ^2/NDF:35.6/8

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 332.874+/-525.563 χ^2/NDF:6.0/7

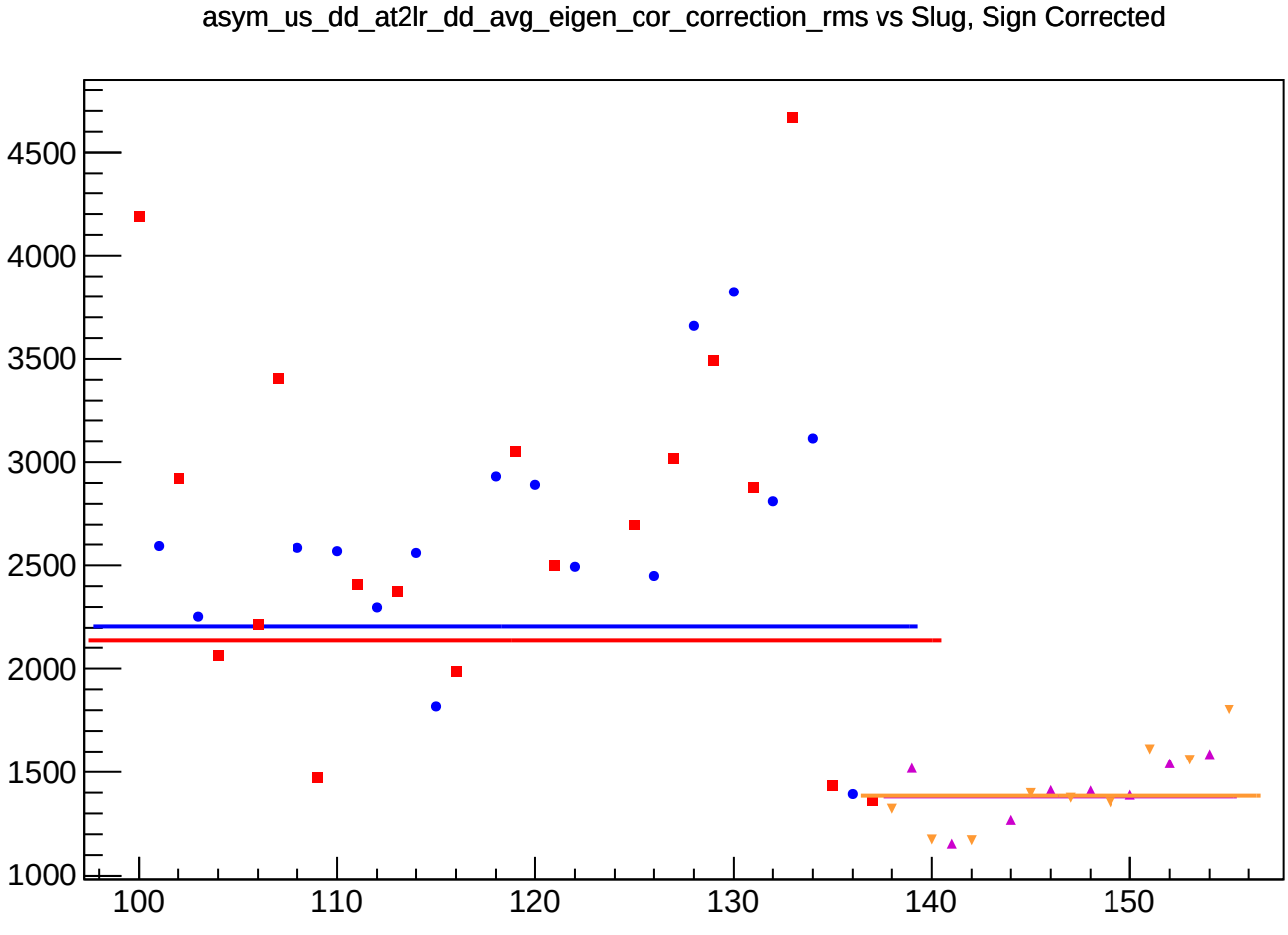
Left: -655.151+/-372.644 χ^2/NDF: 48.7/16

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -209.372+/-448.752 χ^2/NDF:32.5/23

Out: -796.198+/-448.352 χ^2/NDF:57.9/26

All: -503.047+/-317.174 χ^2/NDF: 91.3/50



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1385.470+/-0.374 χ^2/NDF:228327.0/8

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1381.725+/-0.372 χ^2/NDF:145506.0/7

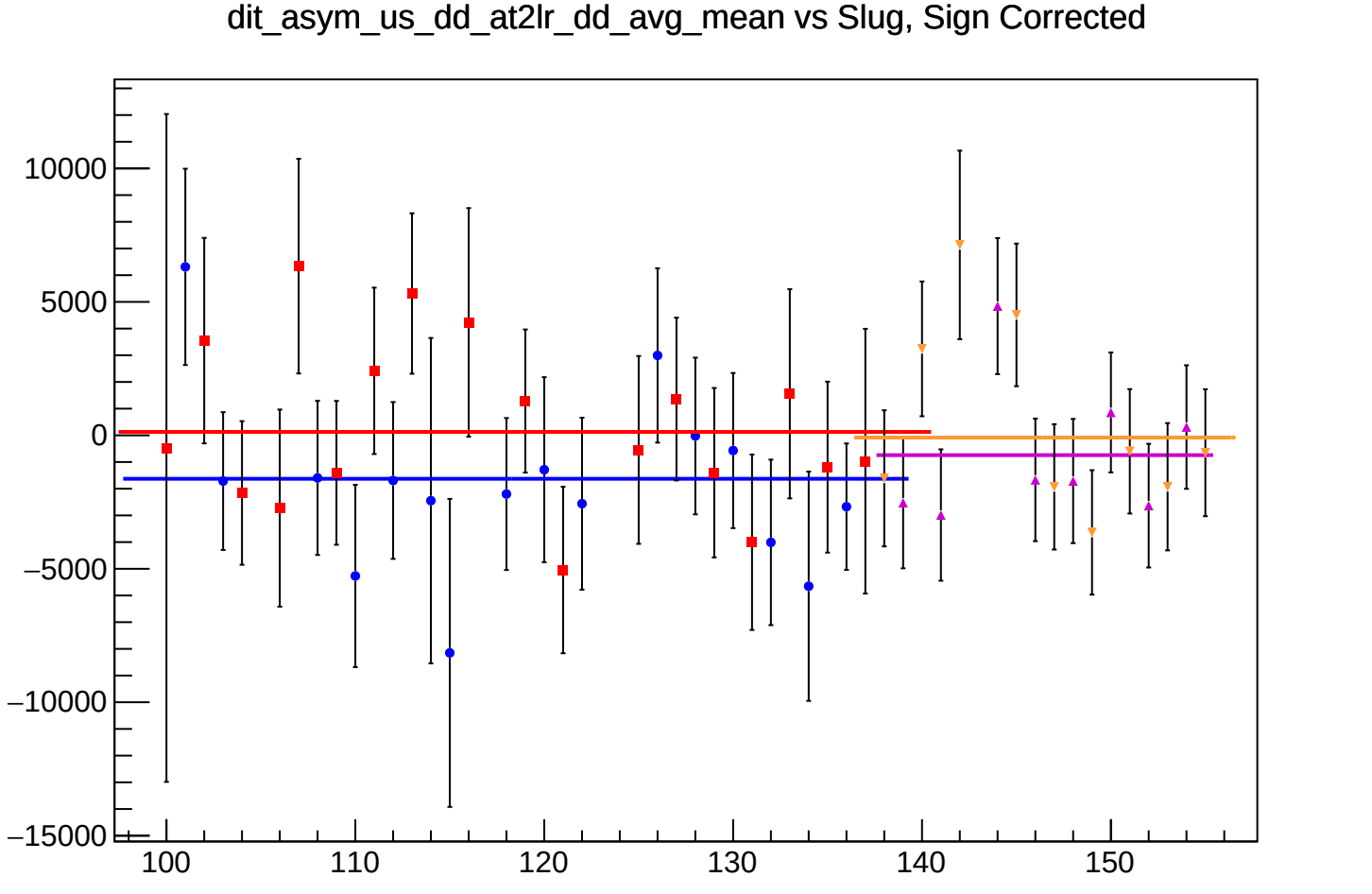
Left: 1383.587+/-0.263 χ^2/NDF: 373883.6/16

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1605.302+/-0.317 χ^2/NDF:2730399.3/23

Out: 1596.874+/-0.317 χ^2/NDF:2819183.4/26

All: 1601.084+/-0.224 χ^2/NDF: 5549935.8/50



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -82.951+/-835.260 χ^2/NDF:12.9/8

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -741.619+/-836.188 χ^2/NDF:7.9/7

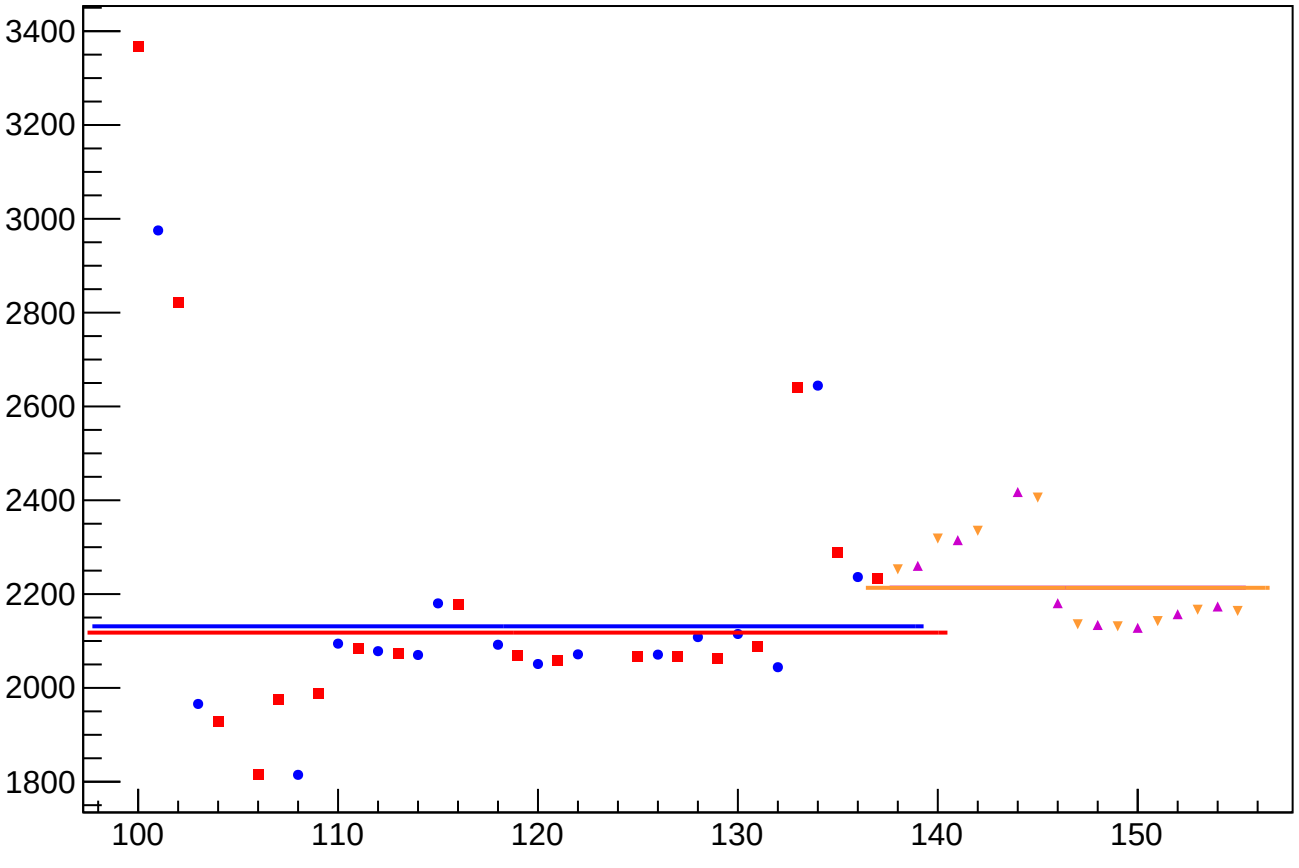
Left: -411.919+/-590.946 χ^2/NDF: 21.1/16

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1205.339+/-577.287 χ^2/NDF:19.8/23

Out: 27.664+/-576.198 χ^2/NDF:27.5/26

All: -587.674+/-407.818 χ^2/NDF: 49.6/50



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2213.375+/-0.591 χ^2/NDF:24848.0/8

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2213.658+/-0.591 χ^2/NDF:24358.5/7

Left: 2213.517+/-0.418 χ^2/NDF: 49206.6/16

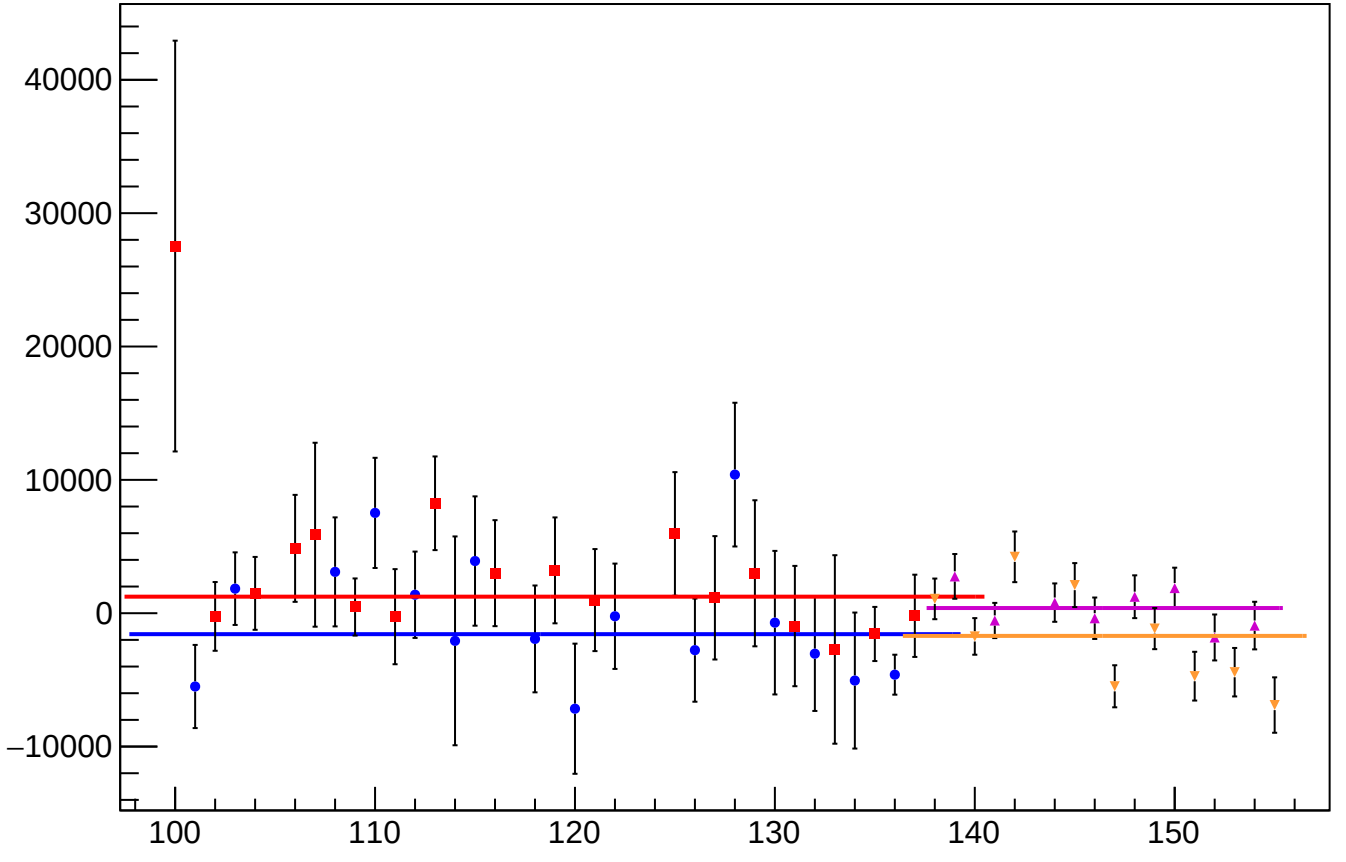
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2170.553+/-0.408 χ^2/NDF:210456.5/23

Out: 2163.318+/-0.407 χ^2/NDF:202176.2/26

All: 2166.929+/-0.288 χ^2/NDF: 412790.1/50

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: -1701.226+/-553.695 χ^2/NDF:35.5/8

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 388.339+/-550.996 χ^2/NDF:6.2/7

Left: -651.337+/-390.564 χ^2/NDF: 48.9/16

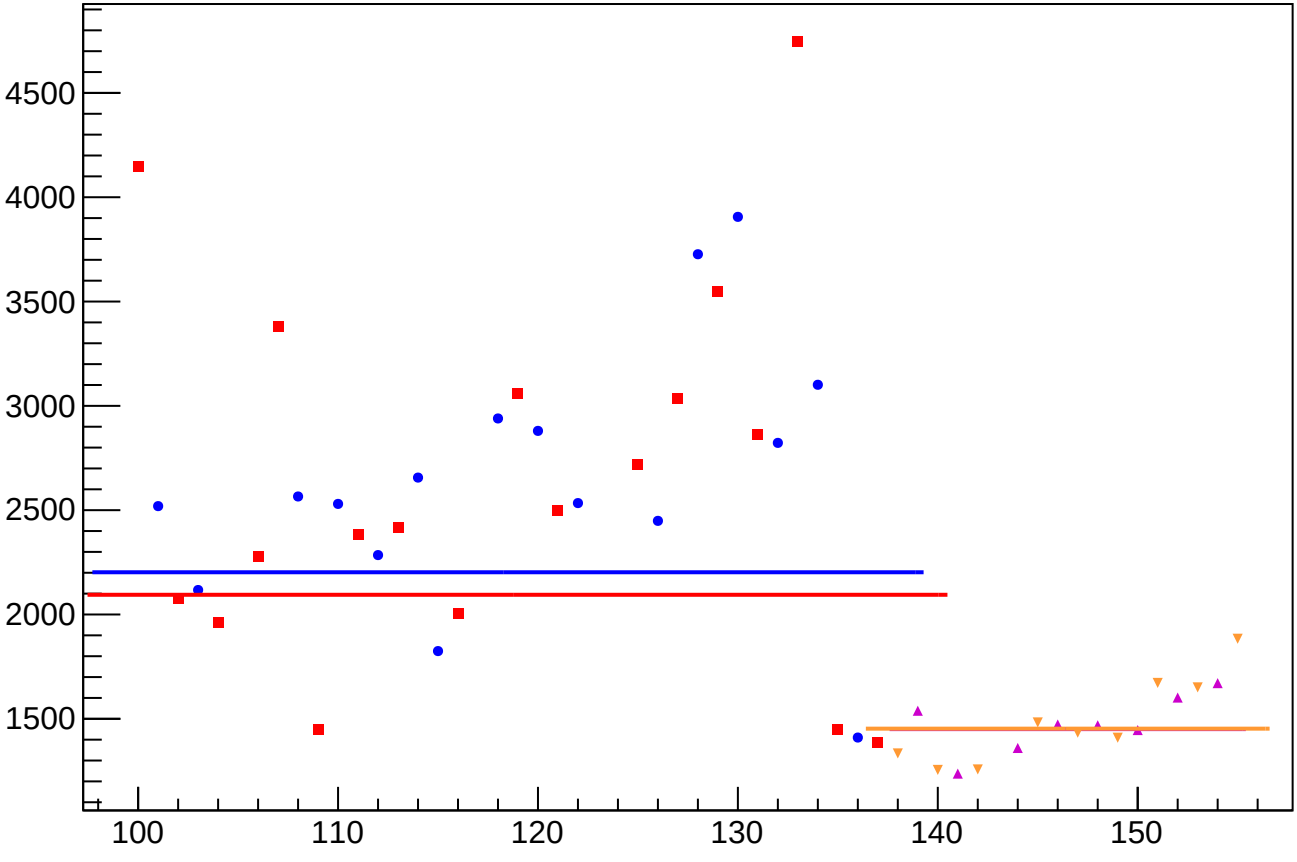
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -182.131+/-463.903 χ^2/NDF:32.5/23

Out: -779.484+/-458.840 χ^2/NDF:57.4/26

All: -484.085+/-326.224 χ^2/NDF: 90.7/50

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: 1452.764+/-0.392 χ^2/NDF:215789.1/8

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1450.550+/-0.390 χ^2/NDF:112196.9/7

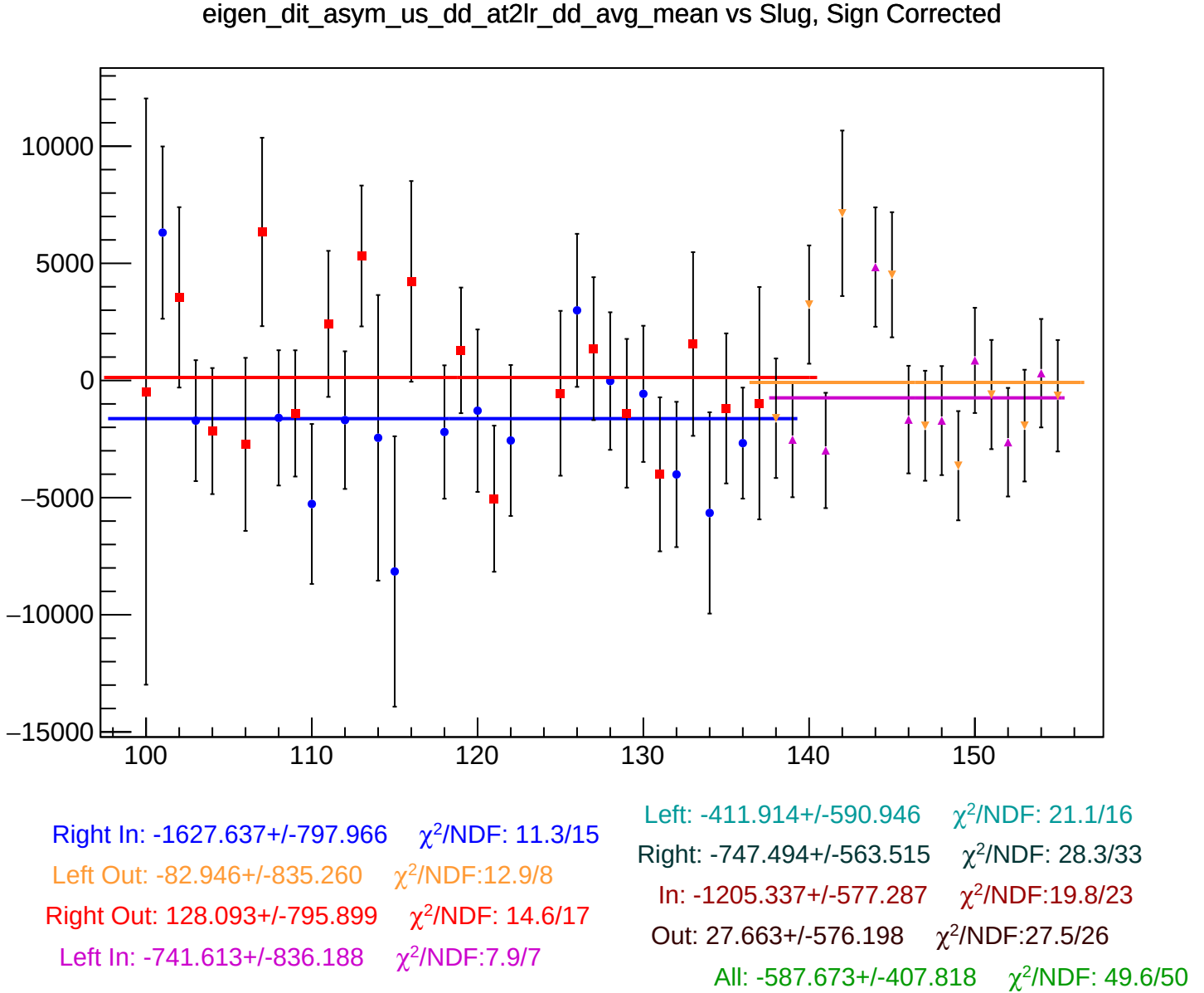
Left: 1451.652+/-0.276 χ^2/NDF: 328002.1/16

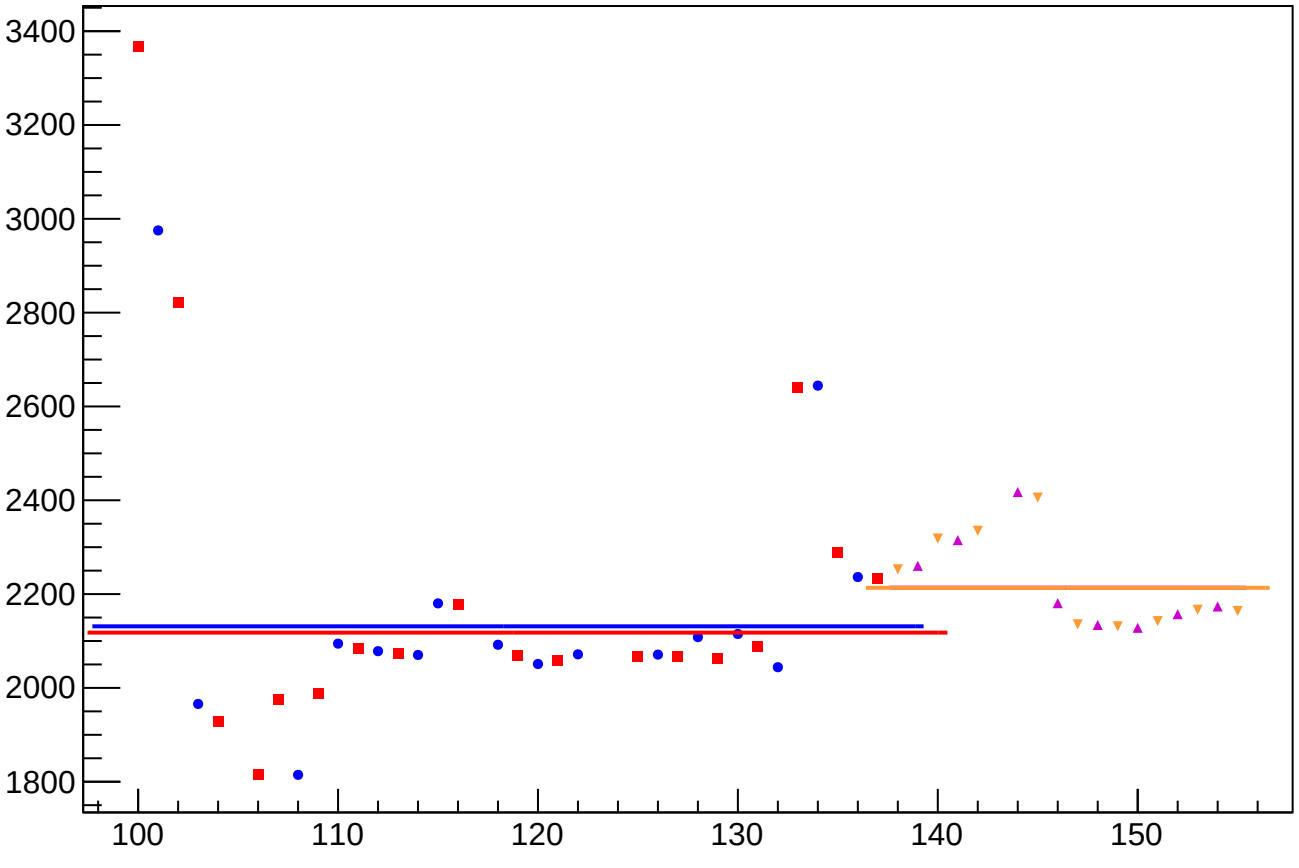
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1669.440+/-0.328 χ^2/NDF:2419282.2/23

Out: 1653.790+/-0.324 χ^2/NDF:2430974.4/26

All: 1661.529+/-0.231 χ^2/NDF: 4851407.3/50


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: -82.946+/-835.260 χ²/NDF:12.9/8
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -741.613+/-836.188 χ²/NDF:7.9/7
Left: -411.914+/-590.946 χ²/NDF: 21.1/16
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1205.337+/-577.287 χ²/NDF:19.8/23
Out: 27.663+/-576.198 χ²/NDF:27.5/26
All: -587.673+/-407.818 χ²/NDF: 49.6/50



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2213.375+/-0.591 χ^2/NDF:24848.1/8

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2213.658+/-0.591 χ^2/NDF:24358.6/7

Left: 2213.517+/-0.418 χ^2/NDF: 49206.8/16

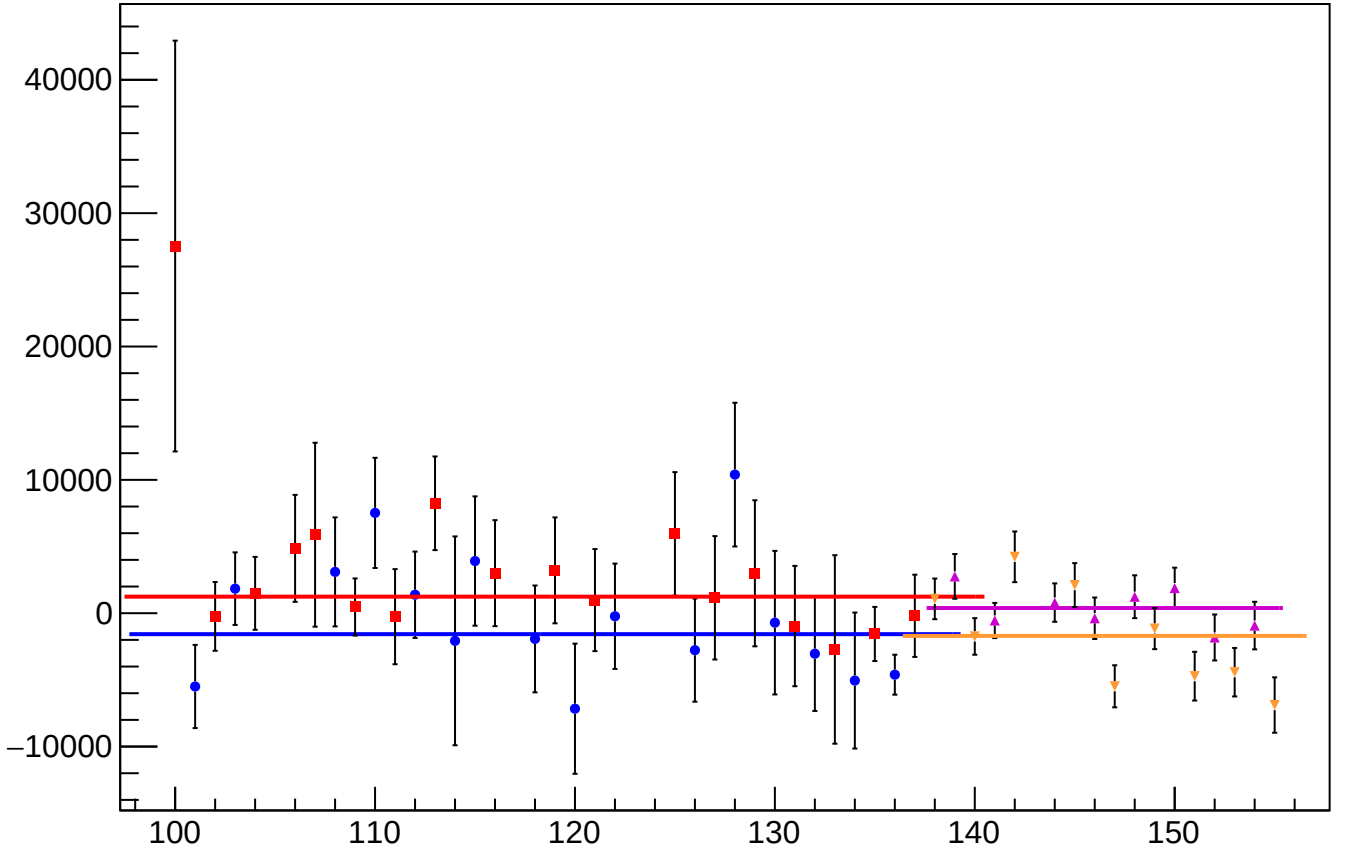
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2170.553+/-0.408 χ^2/NDF:210456.5/23

Out: 2163.318+/-0.407 χ^2/NDF:202176.2/26

All: 2166.928+/-0.288 χ^2/NDF: 412790.1/50

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: -1701.241+/-553.697 χ^2/NDF:35.5/8

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 388.337+/-550.996 χ^2/NDF:6.2/7

Left: -651.342+/-390.564 χ^2/NDF: 48.9/16

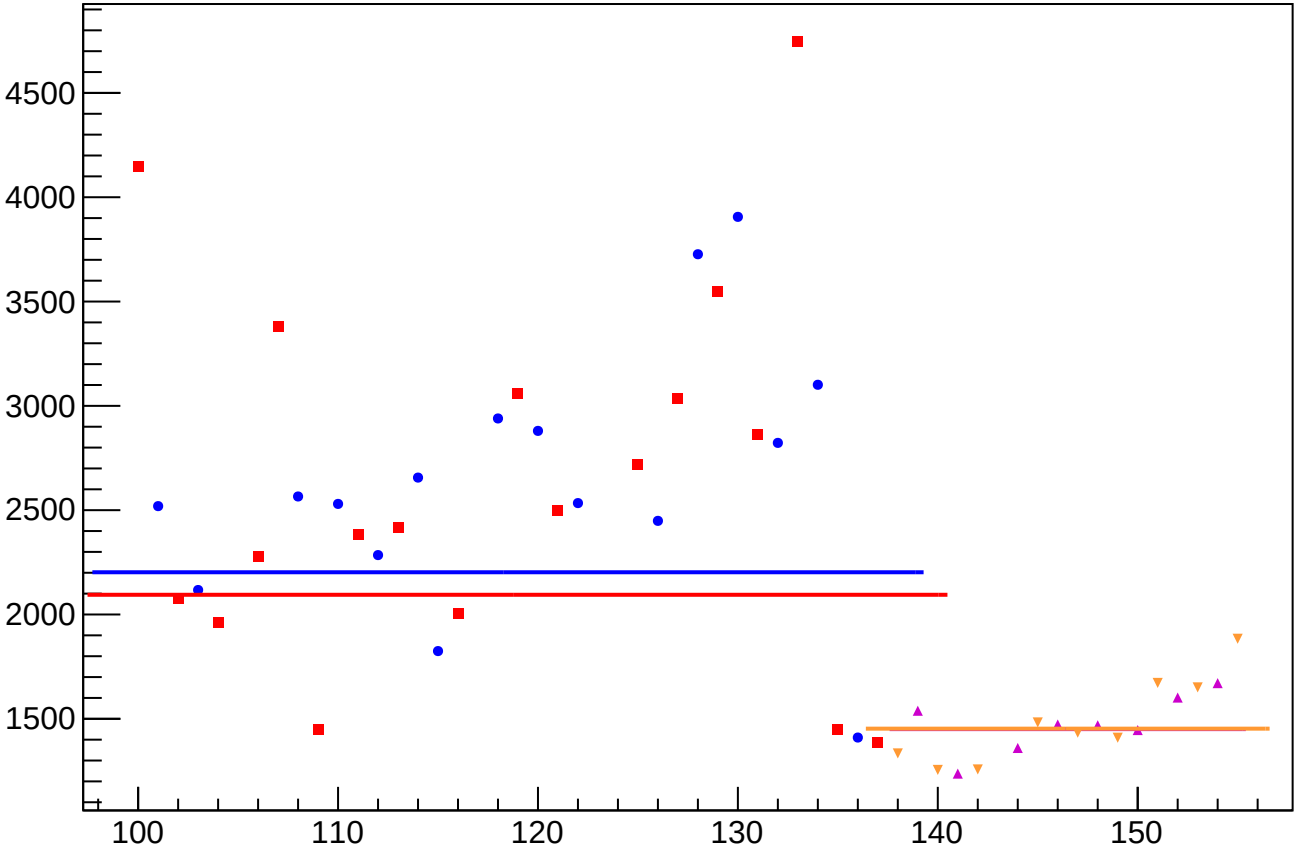
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -182.125+/-463.904 χ^2/NDF:32.5/23

Out: -779.491+/-458.841 χ^2/NDF:57.4/26

All: -484.085+/-326.225 χ^2/NDF: 90.7/50

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: 1452.769+/-0.392 χ^2/NDF:215778.8/8

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1450.551+/-0.390 χ^2/NDF:112197.4/7

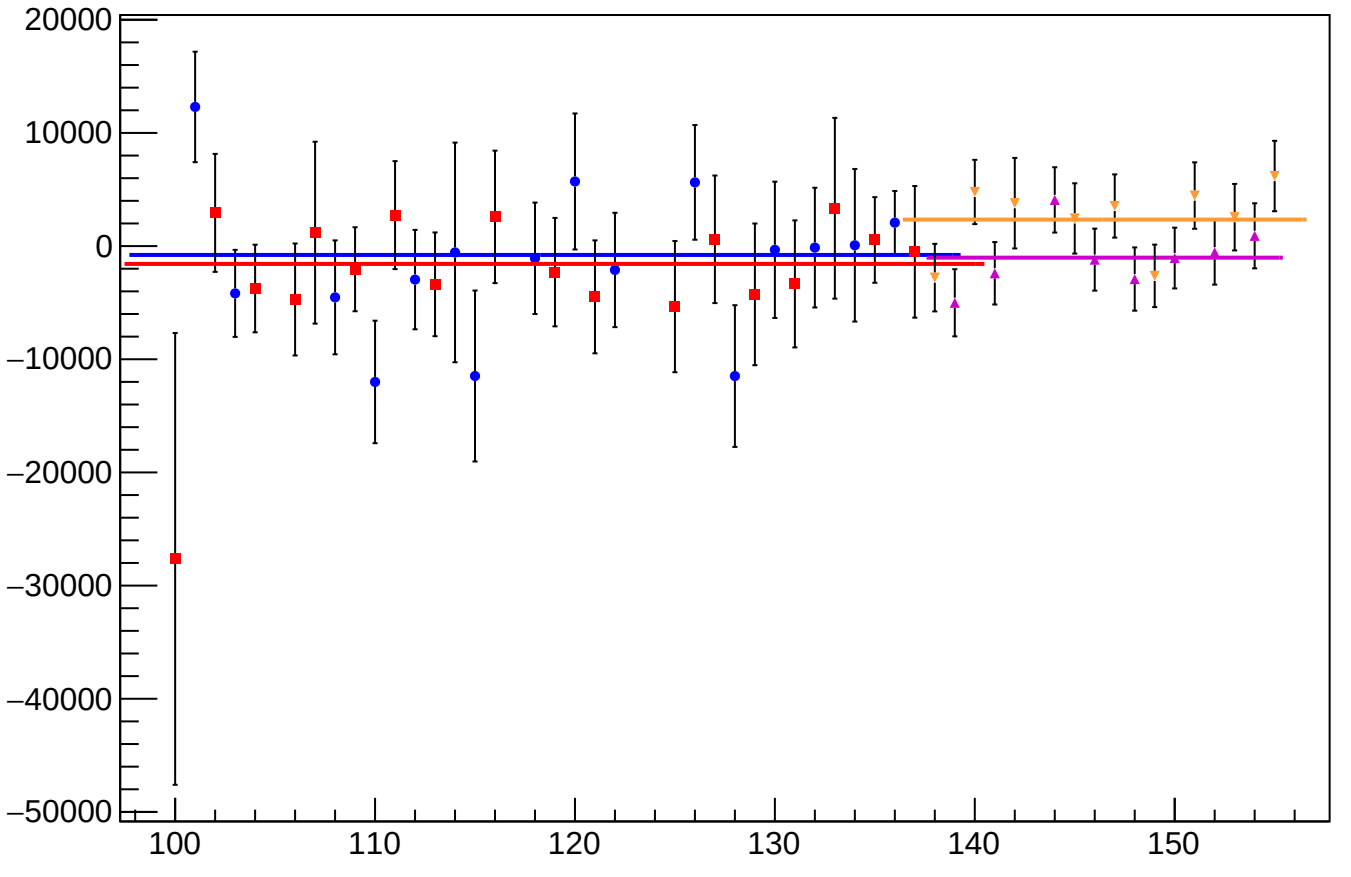
Left: 1451.655+/-0.276 χ^2/NDF: 327992.4/16

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1669.443+/-0.328 χ^2/NDF:2419251.5/23

Out: 1653.797+/-0.324 χ^2/NDF:2430930.2/26

All: 1661.534+/-0.231 χ^2/NDF: 4851331.7/50



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2341.613+/-1001.517 χ^2/NDF:9.3/8

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1021.886+/-995.625 χ^2/NDF:6.1/7

Left: 649.941+/-706.087 χ^2/NDF: 21.1/16

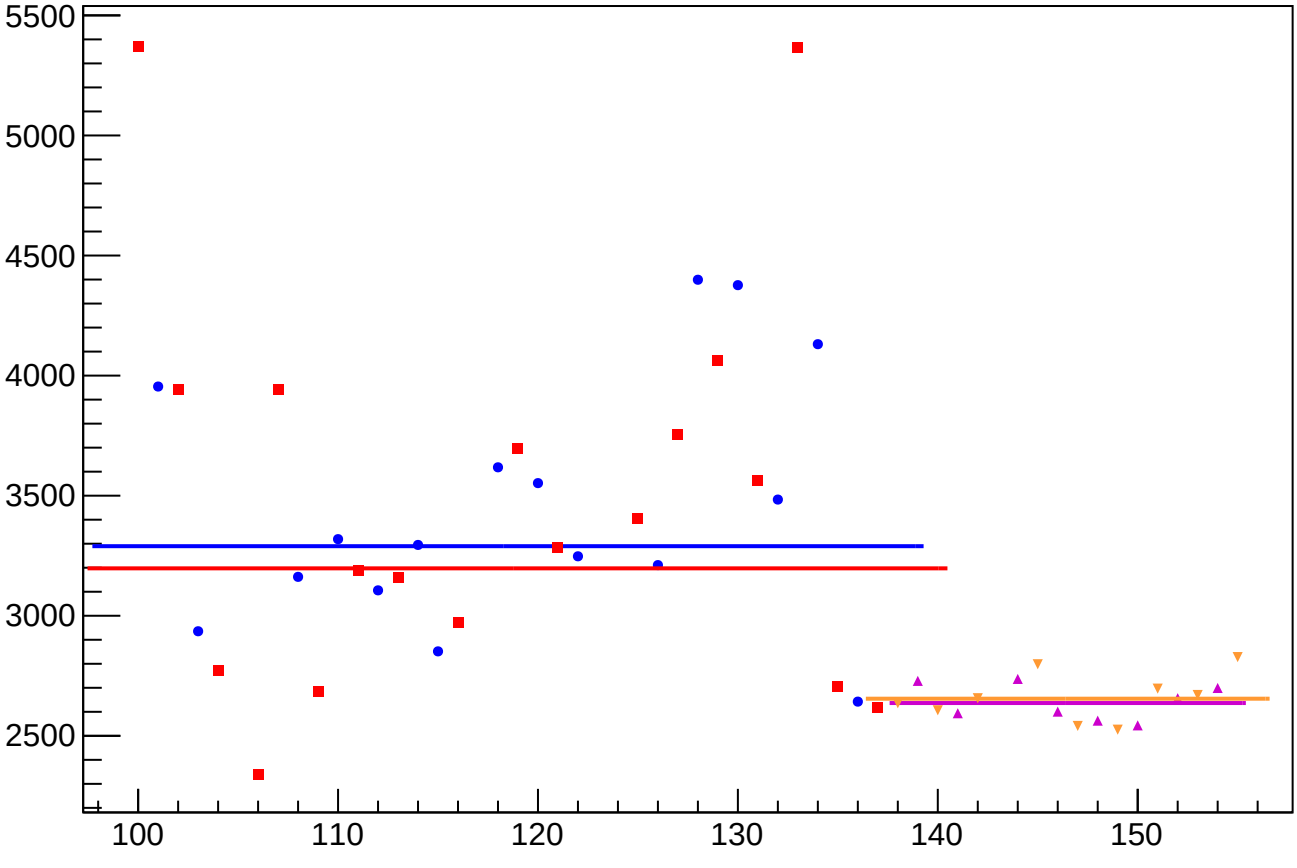
Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -927.864+/-776.764 χ^2/NDF:28.0/23

Out: 763.336+/-773.827 χ^2/NDF:22.2/26

All: -79.061+/-548.214 χ^2/NDF: 52.6/50

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: 2654.617+/-0.708 χ^2/NDF:19249.9/8

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2636.543+/-0.704 χ^2/NDF:10000.8/7

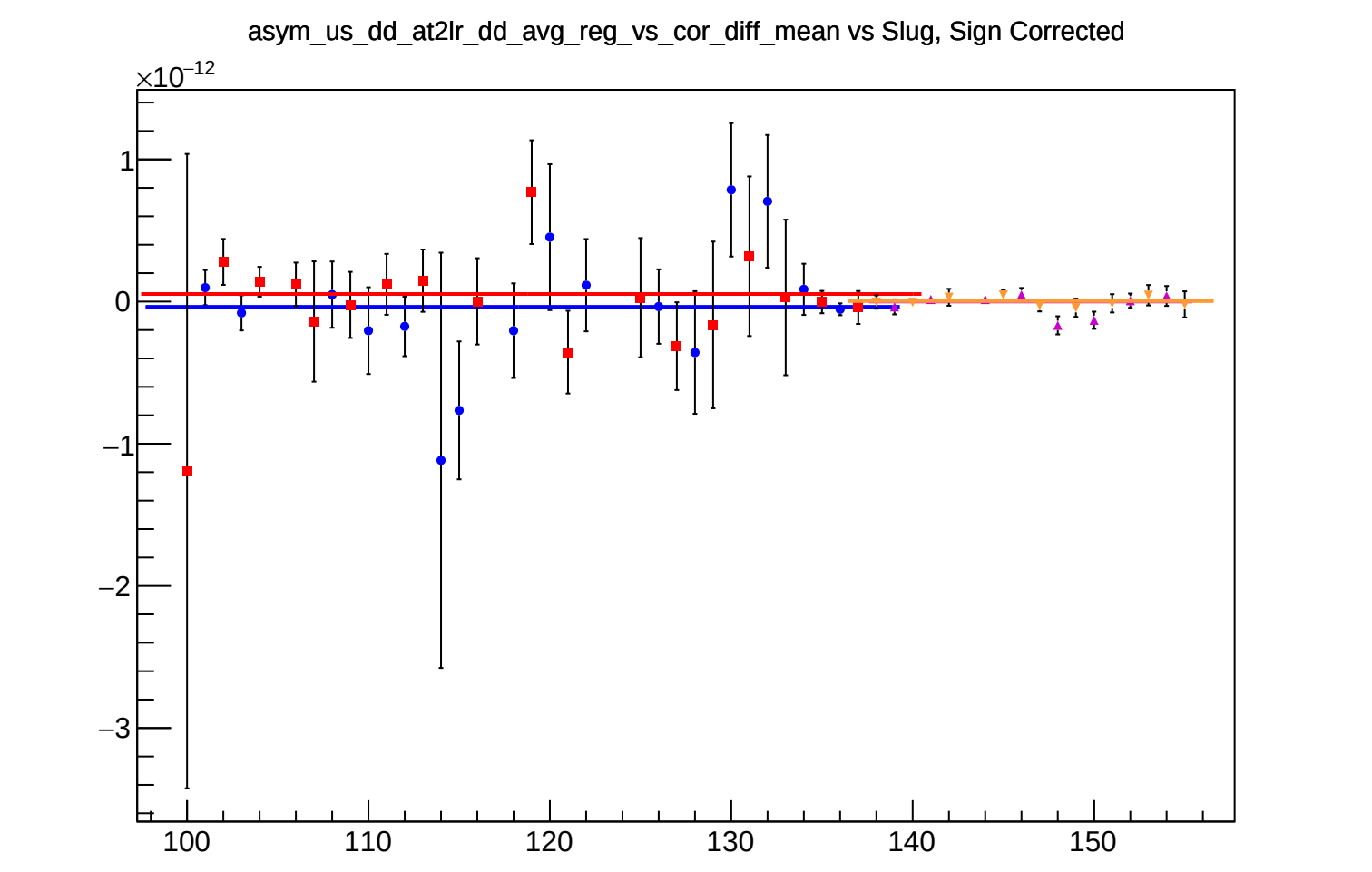
Left: 2645.527+/-0.499 χ^2/NDF: 29578.3/16

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2892.135+/-0.549 χ^2/NDF:694414.1/23

Out: 2873.354+/-0.547 χ^2/NDF:755908.6/26

All: 2882.709+/-0.388 χ^2/NDF: 1450909.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:14.4/7

Left: 0.000+/-0.000 χ^2/NDF: 17.6/16

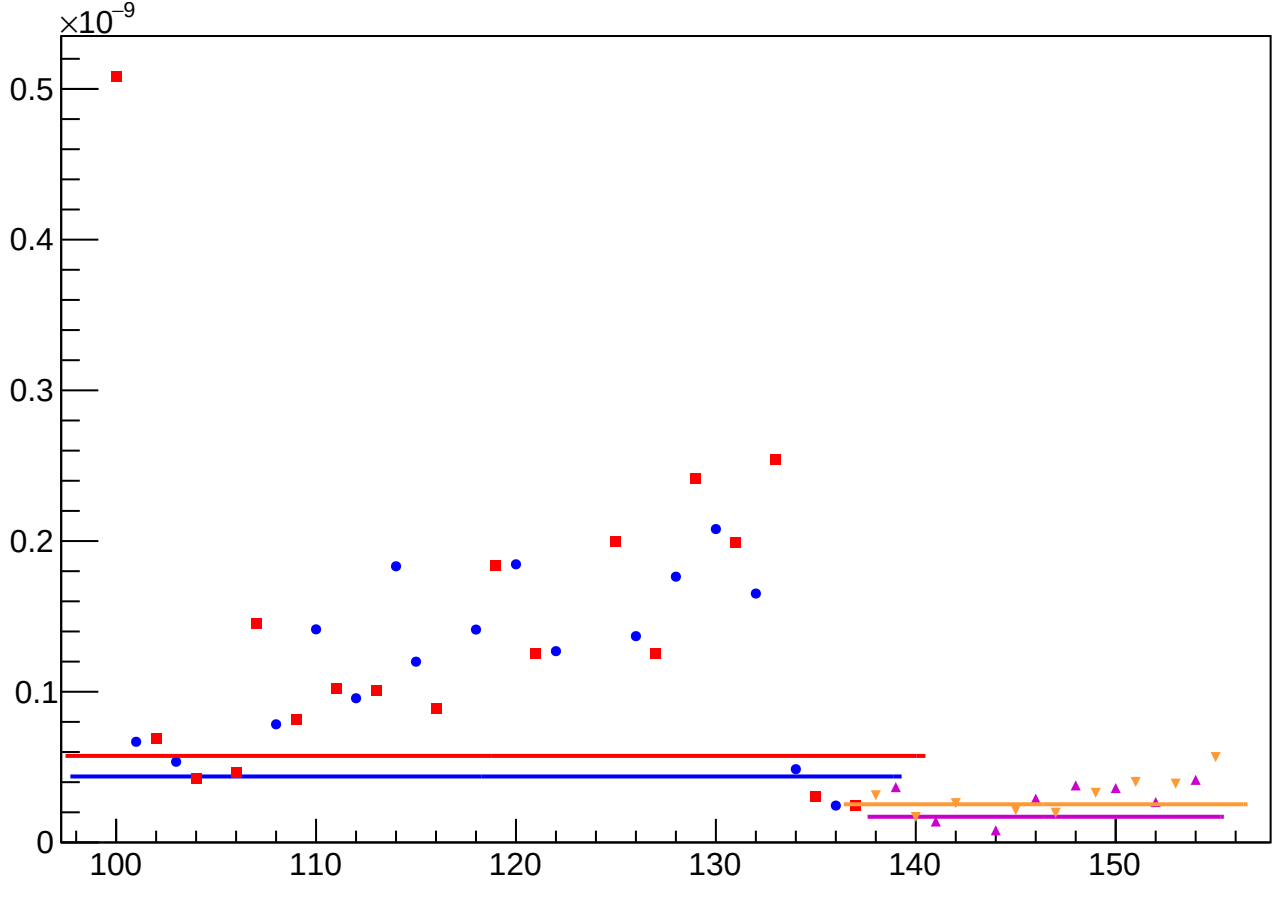
Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:28.6/23

Out: 0.000+/-0.000 χ^2/NDF:16.9/26

All: 0.000+/-0.000 χ^2/NDF: 46.0/50

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:676840.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1657224.4/7

Left: 0.000+/-0.000 χ^2/NDF: 2660519.3/16

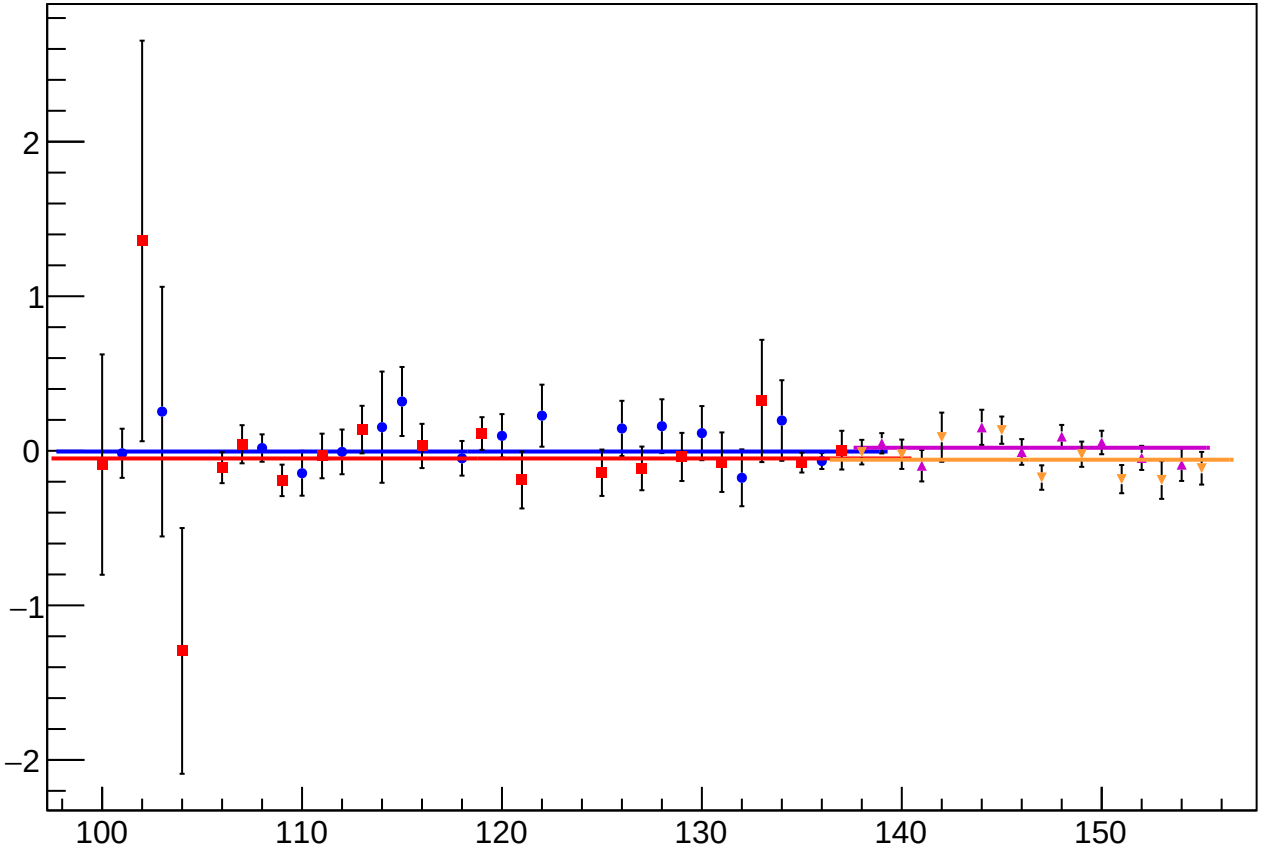
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:4949539.3/23

Out: 0.000+/-0.000 χ^2/NDF:3727593.9/26

All: 0.000+/-0.000 χ^2/NDF: 9110539.7/50

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.058+/-0.031 χ^2/NDF:11.7/8

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.020+/-0.029 χ^2/NDF:5.9/7

Left: -0.017+/-0.021 χ^2/NDF: 20.8/16

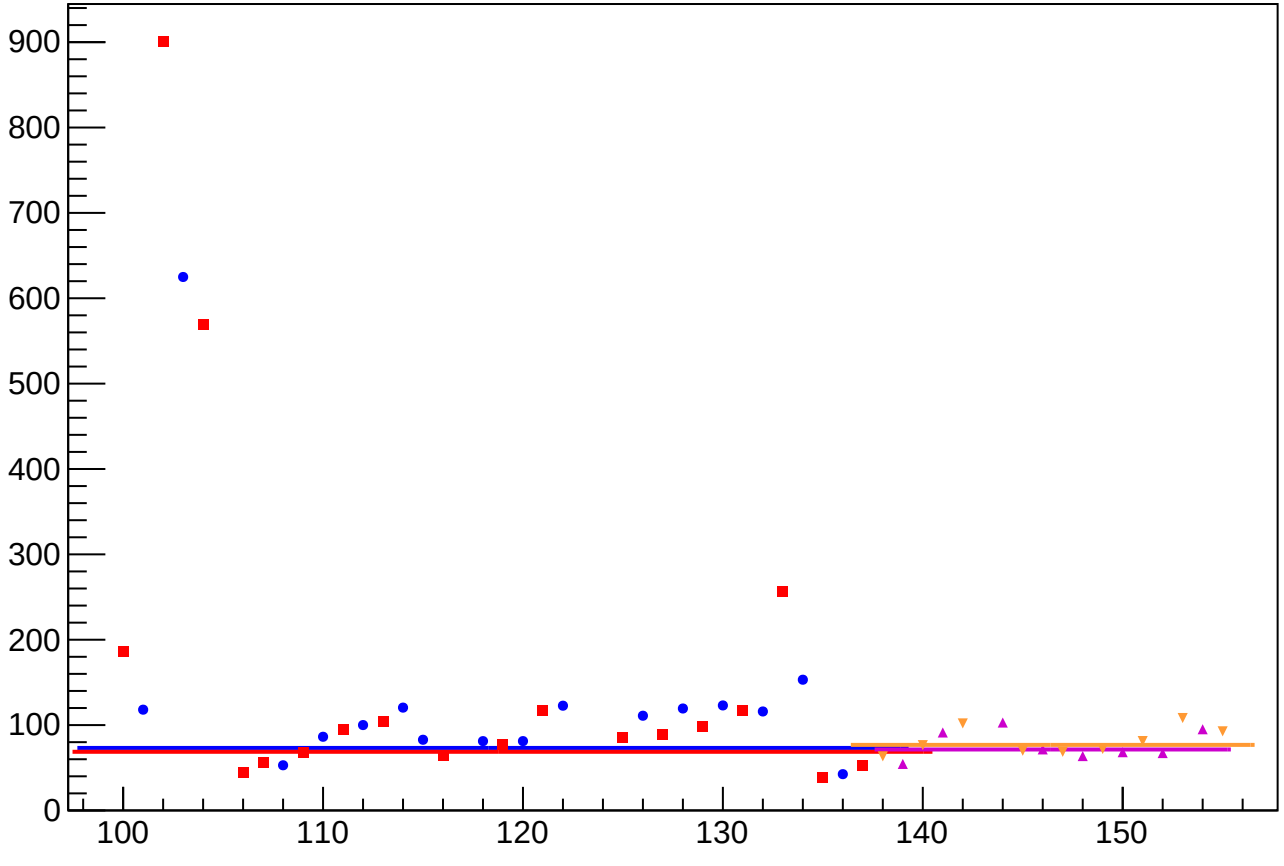
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.022 χ^2/NDF:16.5/23

Out: -0.054+/-0.022 χ^2/NDF:24.8/26

All: -0.022+/-0.016 χ^2/NDF: 45.3/50

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: 76.810+/-0.022 χ^2/NDF:329943.1/8

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 71.415+/-0.021 χ^2/NDF:494755.2/7

Left: 73.949+/-0.015 χ^2/NDF: 856286.4/16

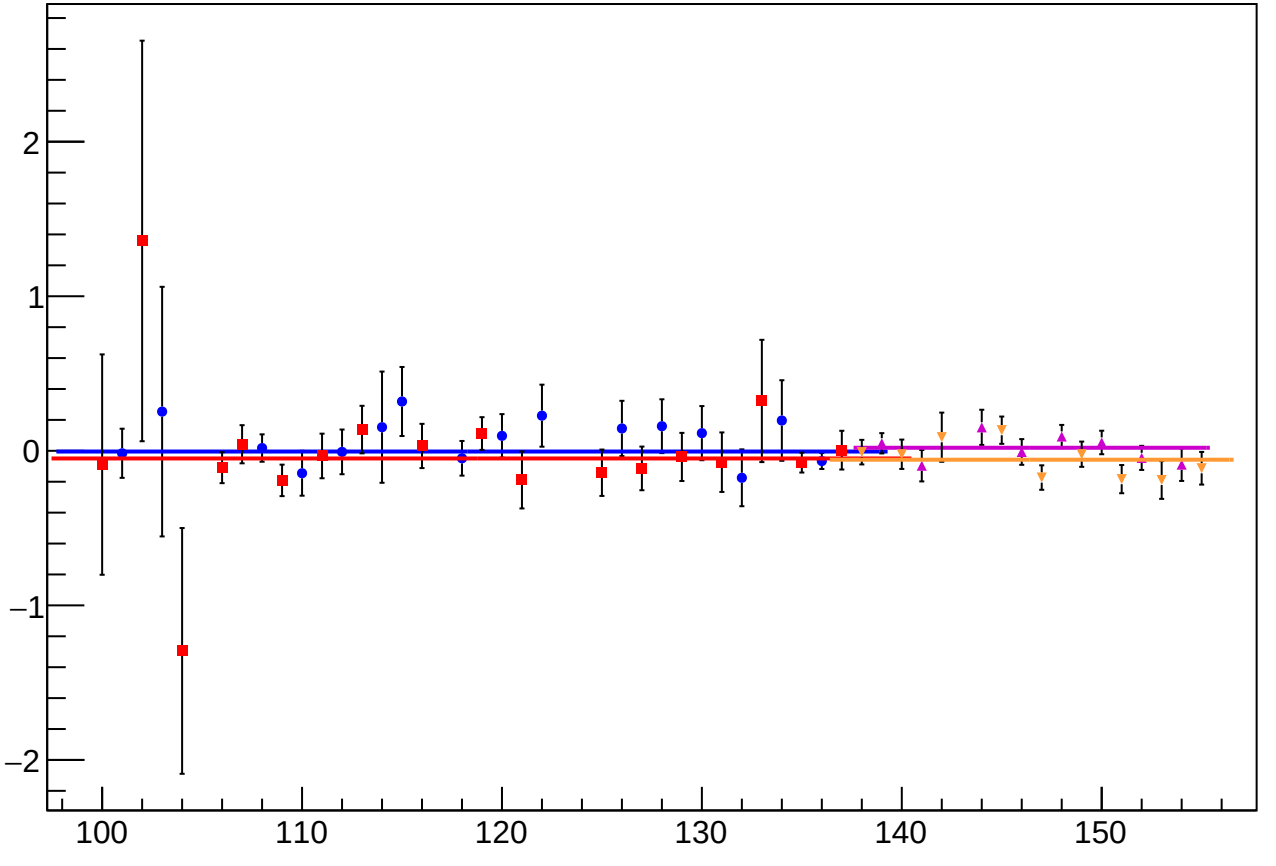
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.242+/-0.015 χ^2/NDF:3352832.9/23

Out: 72.819+/-0.016 χ^2/NDF:3727747.3/26

All: 72.524+/-0.011 χ^2/NDF: 7081267.3/50

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.058+/-0.031 χ^2/NDF:11.7/8

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.020+/-0.029 χ^2/NDF:5.9/7

Left: -0.017+/-0.021 χ^2/NDF: 20.8/16

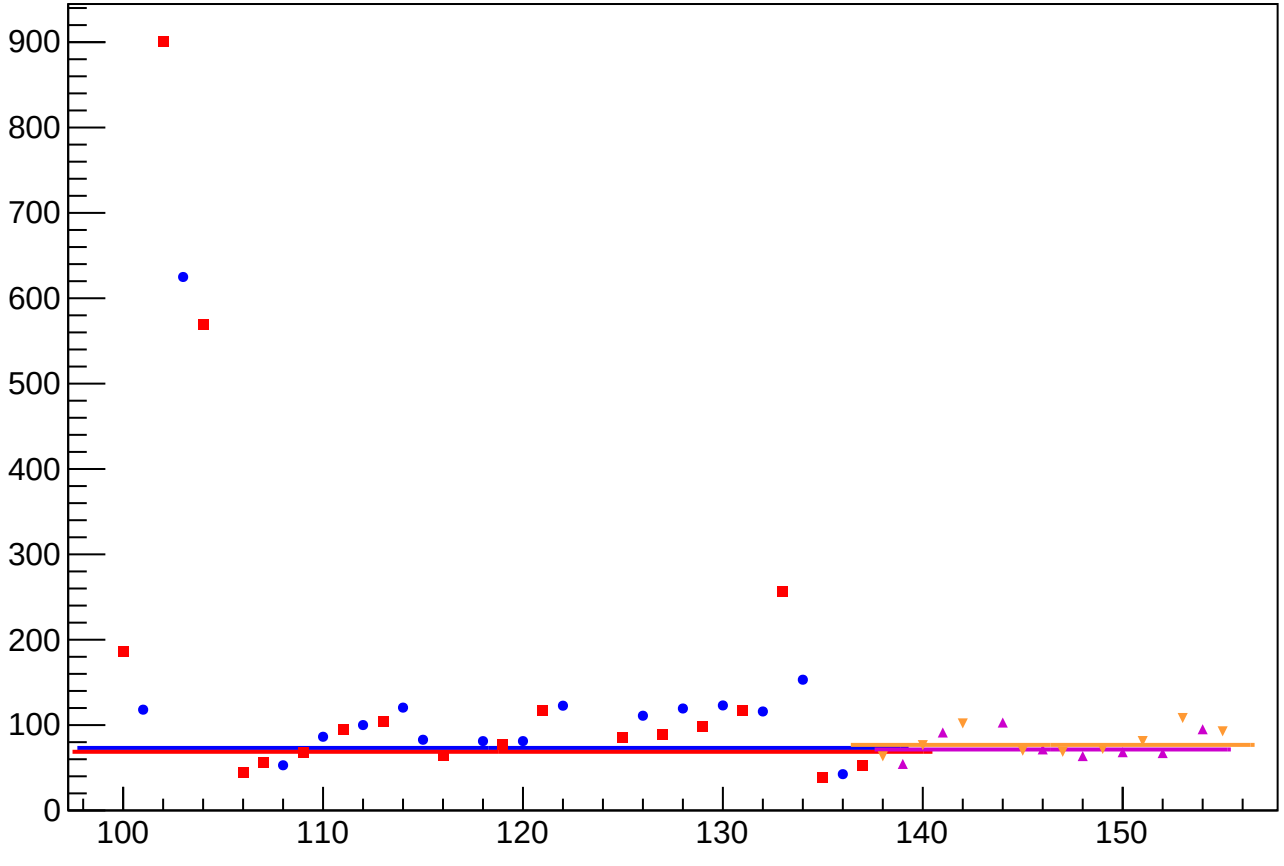
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.022 χ^2/NDF:16.5/23

Out: -0.054+/-0.022 χ^2/NDF:24.8/26

All: -0.022+/-0.016 χ^2/NDF: 45.3/50

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: 76.810+/-0.022 χ^2/NDF:329943.1/8

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 71.415+/-0.021 χ^2/NDF:494755.2/7

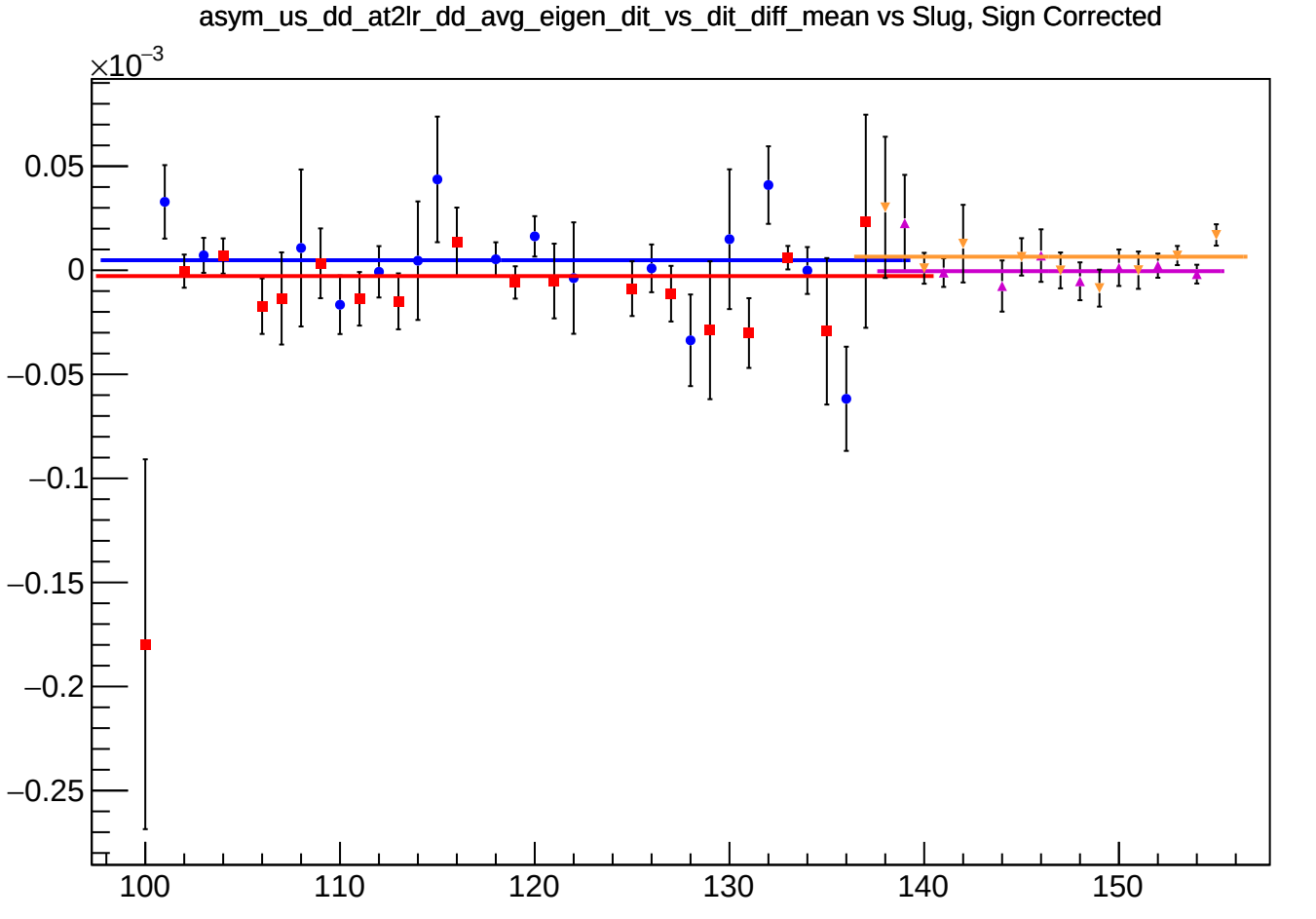
Left: 73.949+/-0.015 χ^2/NDF: 856286.4/16

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.242+/-0.015 χ^2/NDF:3352832.9/23

Out: 72.819+/-0.016 χ^2/NDF:3727747.3/26

All: 72.524+/-0.011 χ^2/NDF: 7081267.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/8

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:2.3/7

Left: 0.000+/-0.000 χ^2/NDF: 15.2/16

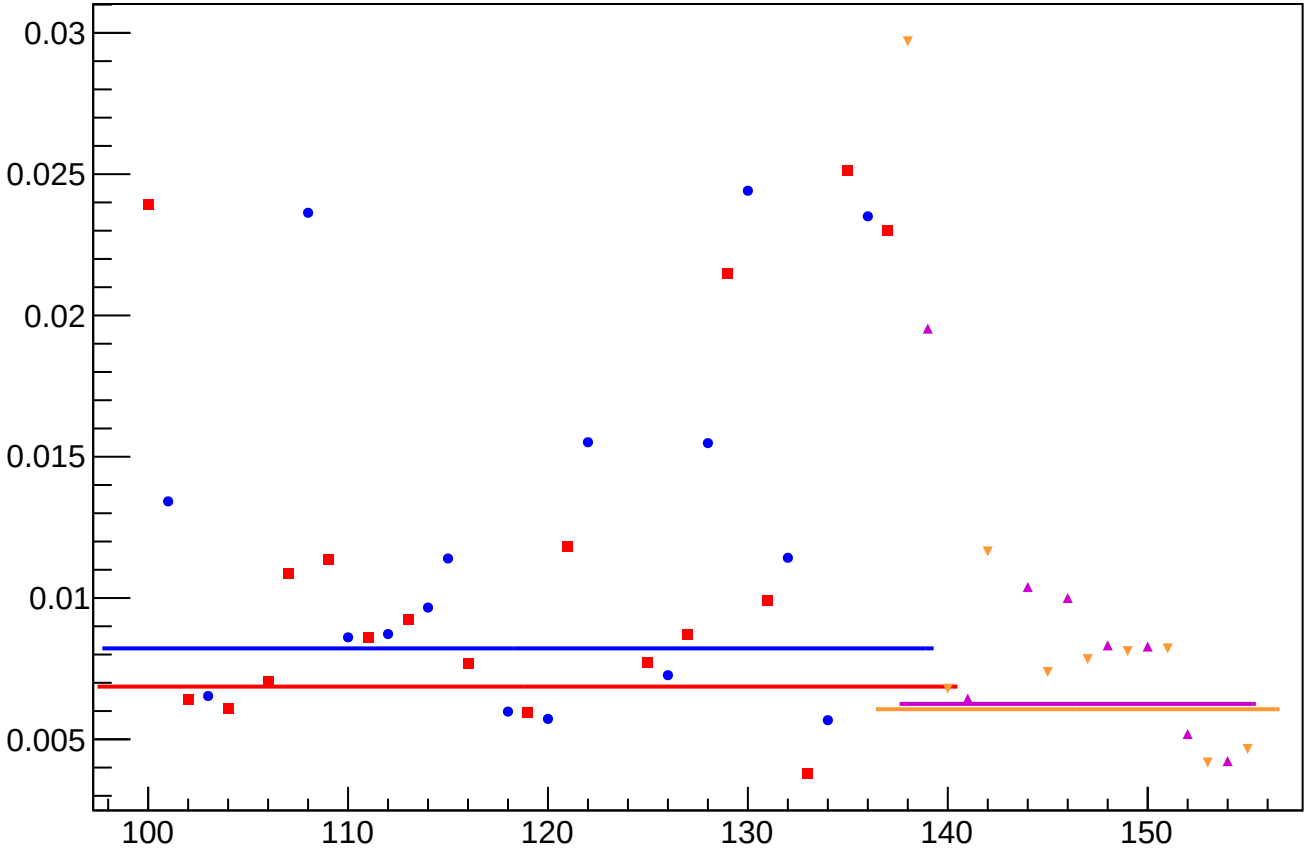
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:26.3/23

Out: 0.000+/-0.000 χ^2/NDF:32.1/26

All: 0.000+/-0.000 χ^2/NDF: 58.6/50

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: 0.006+/-0.000 χ^2/NDF:2004384.7/8

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:1738920.5/7

Left: 0.006+/-0.000 χ^2/NDF: 3748552.3/16

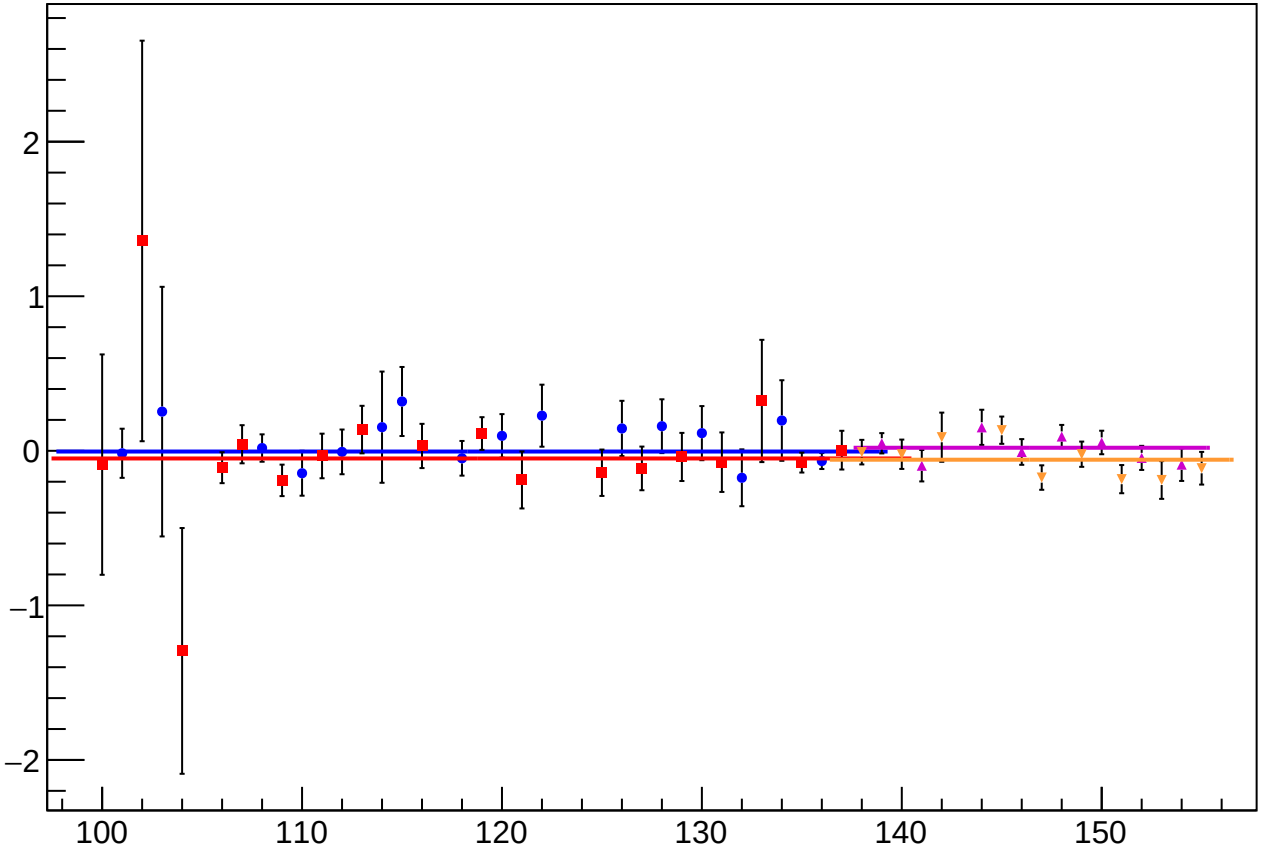
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.007+/-0.000 χ^2/NDF:4794119.3/23

Out: 0.006+/-0.000 χ^2/NDF:4519974.8/26

All: 0.007+/-0.000 χ^2/NDF: 9392541.5/50

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: -0.058+/-0.031 χ^2/NDF:11.7/8

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.020+/-0.029 χ^2/NDF:5.9/7

Left: -0.017+/-0.021 χ^2/NDF: 20.8/16

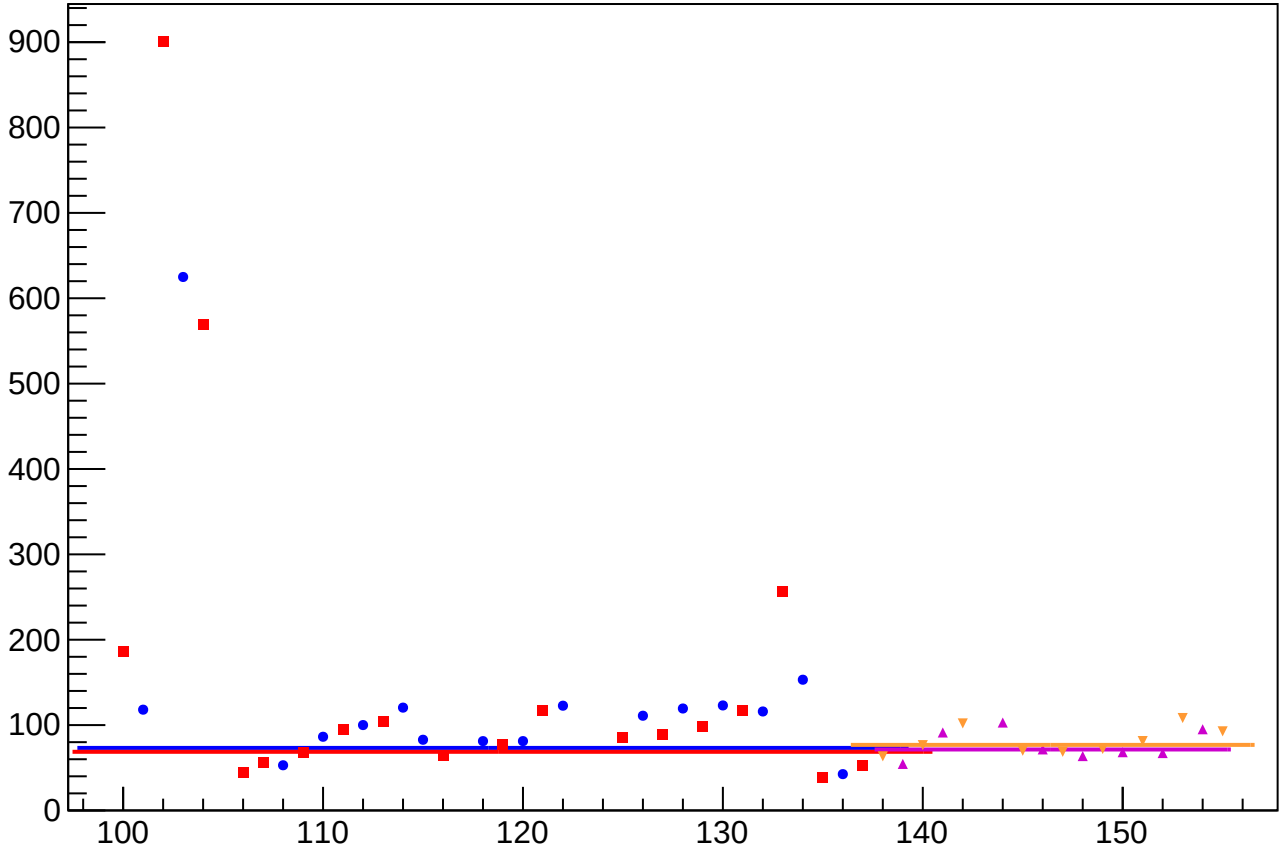
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.022 χ^2/NDF:16.5/23

Out: -0.054+/-0.022 χ^2/NDF:24.8/26

All: -0.022+/-0.016 χ^2/NDF: 45.3/50

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: 76.811+/-0.022 χ^2/NDF:329913.9/8

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 71.418+/-0.021 χ^2/NDF:494520.2/7

Left: 73.951+/-0.015 χ^2/NDF: 856002.6/16

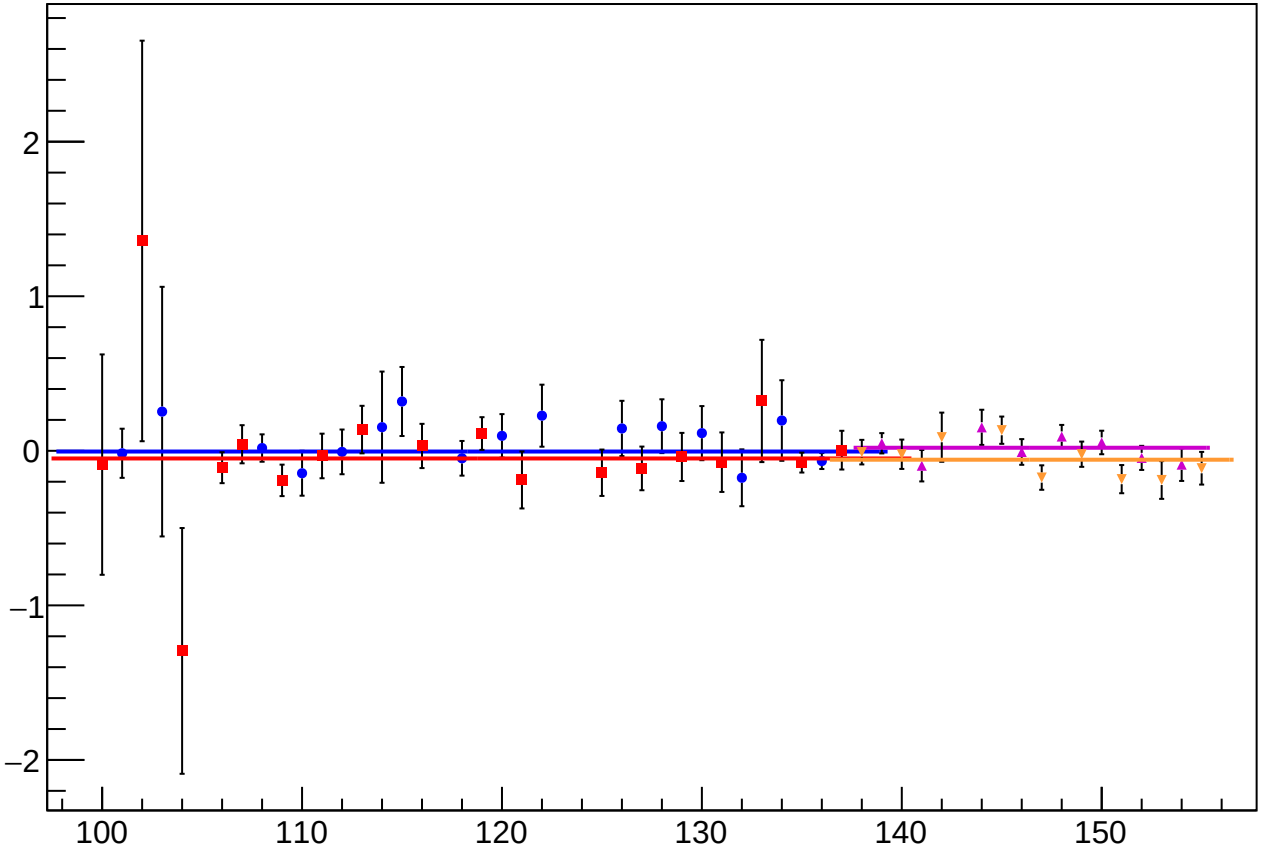
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.255+/-0.015 χ^2/NDF:3350390.2/23

Out: 72.813+/-0.016 χ^2/NDF:3728918.5/26

All: 72.527+/-0.011 χ^2/NDF: 7079953.4/50

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: -0.058+/-0.031 χ^2/NDF:11.7/8

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.020+/-0.029 χ^2/NDF:5.9/7

Left: -0.017+/-0.021 χ^2/NDF: 20.8/16

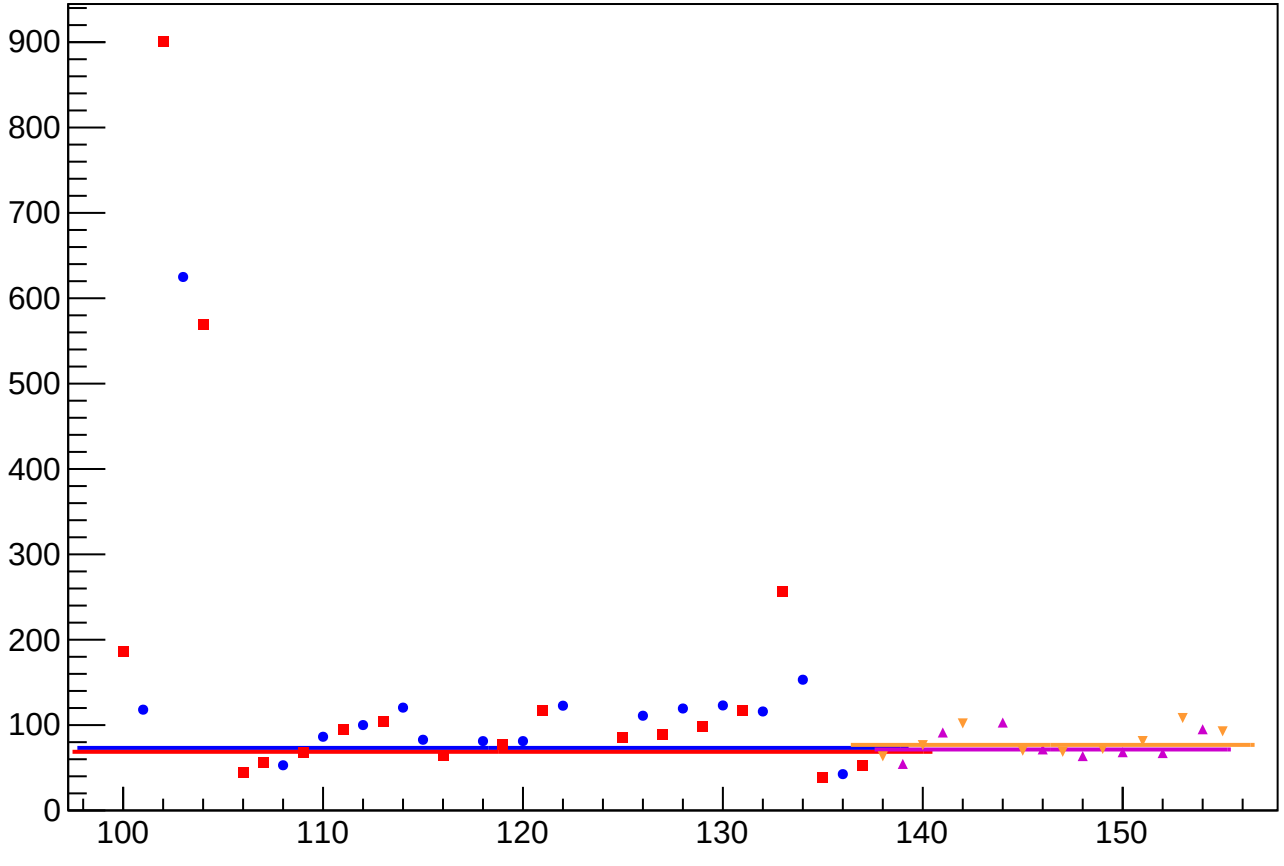
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.022 χ^2/NDF:16.5/23

Out: -0.054+/-0.022 χ^2/NDF:24.8/26

All: -0.022+/-0.016 χ^2/NDF: 45.3/50

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: 76.811+/-0.022 χ^2/NDF:329913.9/8

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 71.418+/-0.021 χ^2/NDF:494520.2/7

Left: 73.951+/-0.015 χ^2/NDF: 856002.6/16

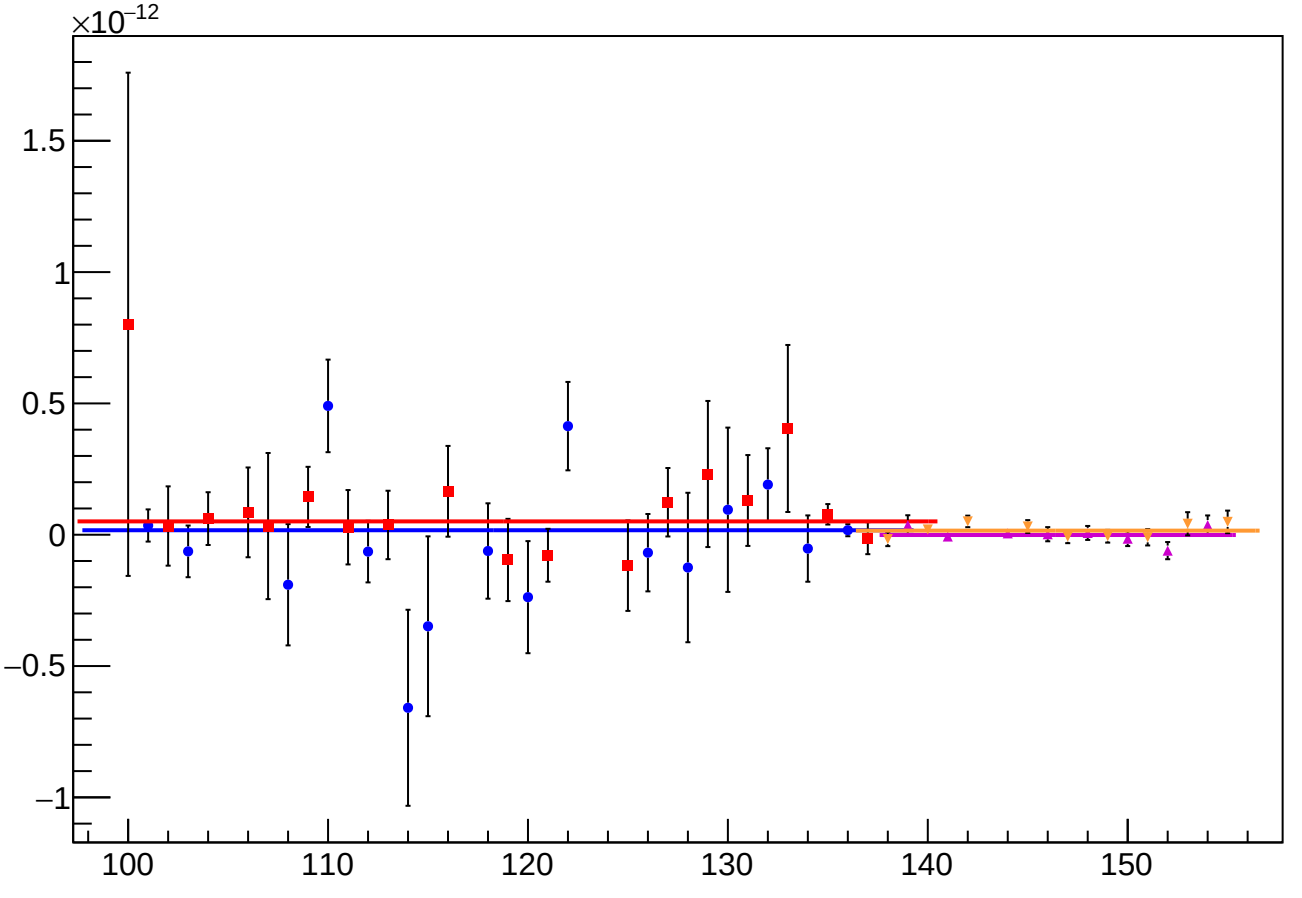
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.255+/-0.015 χ^2/NDF:3350390.2/23

Out: 72.813+/-0.016 χ^2/NDF:3728918.5/26

All: 72.527+/-0.011 χ^2/NDF: 7079953.4/50

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.9/7

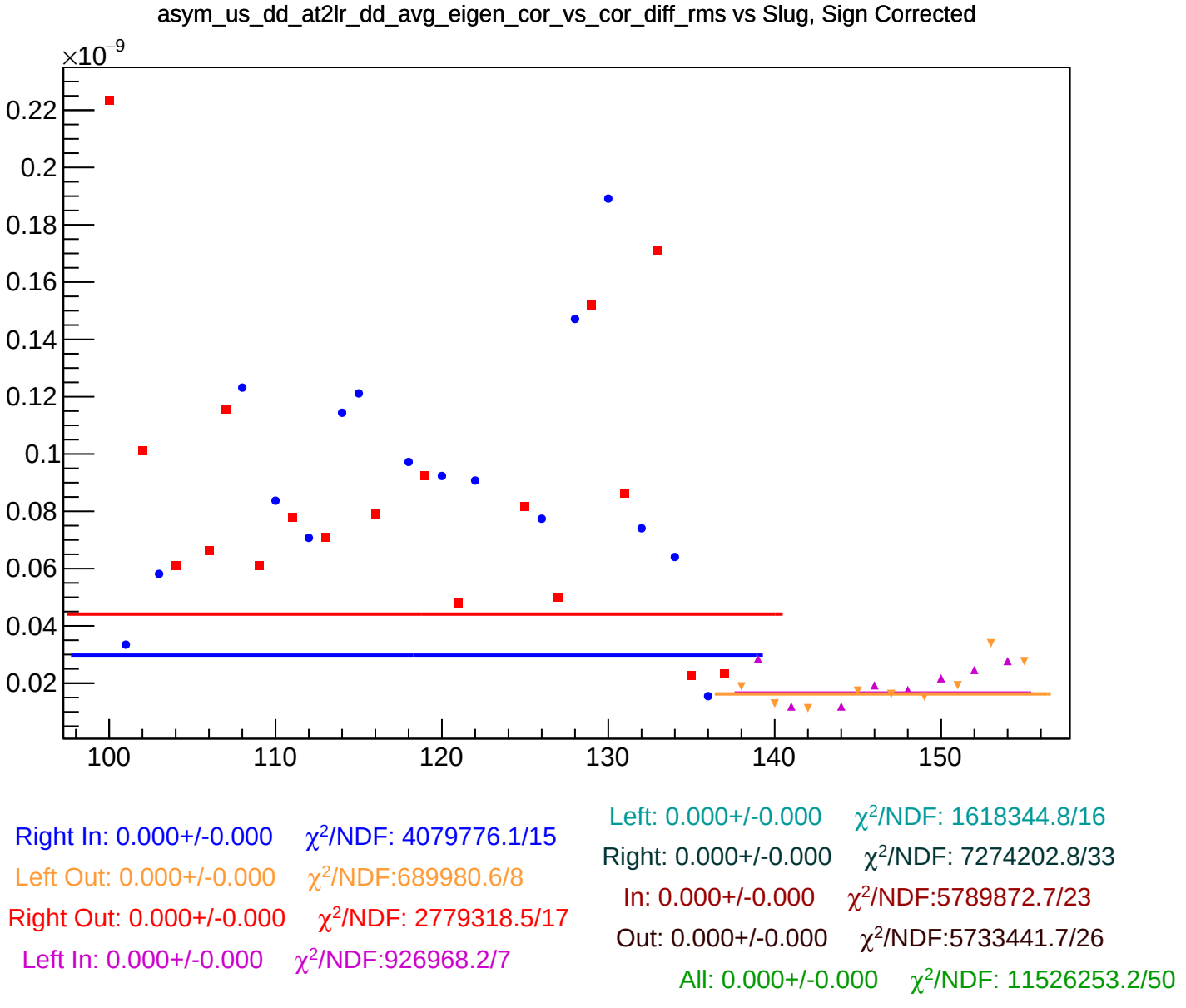
Left: 0.000+/-0.000 χ^2/NDF: 15.7/16

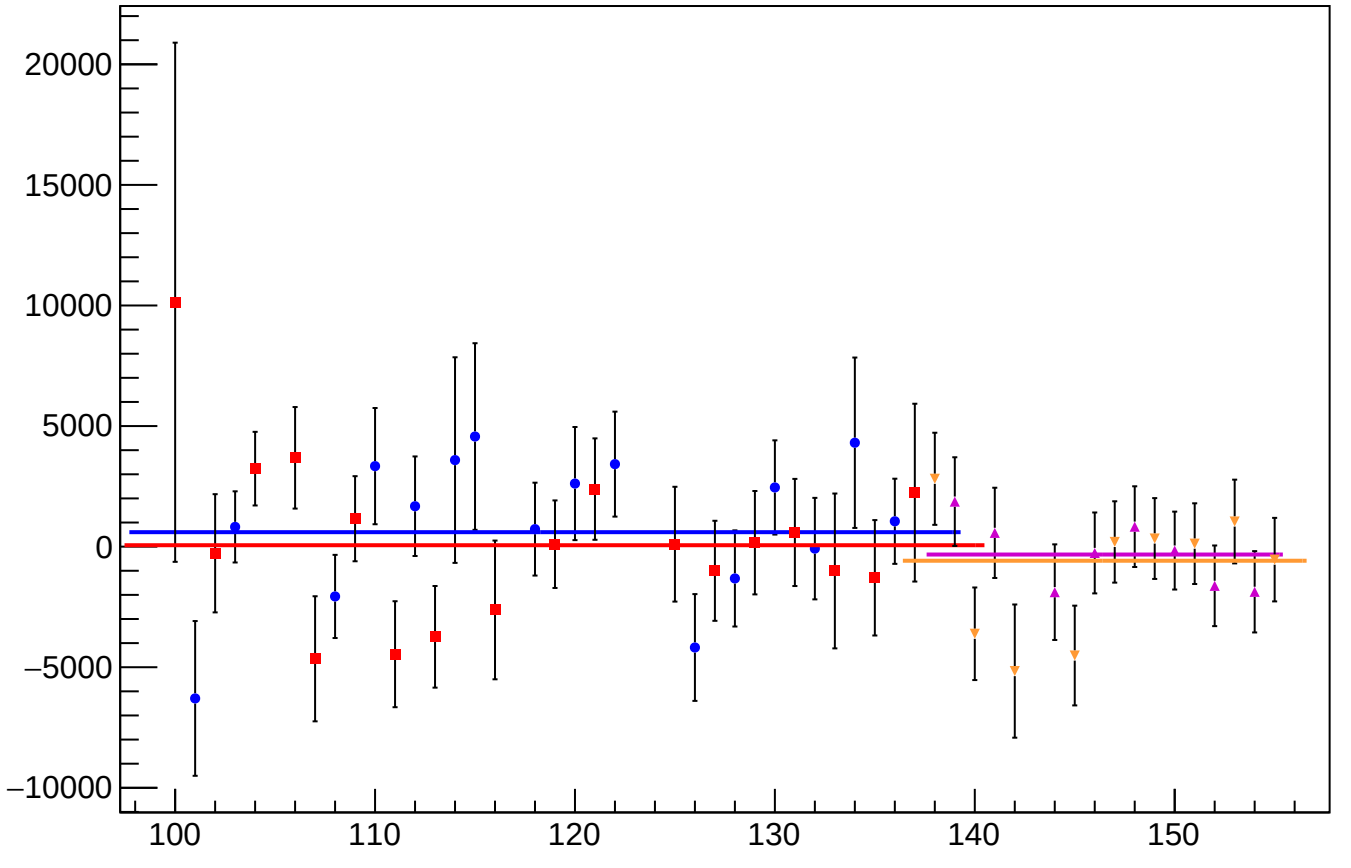
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:30.0/23

Out: 0.000+/-0.000 χ^2/NDF:18.6/26

All: 0.000+/-0.000 χ^2/NDF: 51.1/50


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:689980.6/8
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:926968.2/7
Left: 0.000+/-0.000 χ²/NDF: 1618344.8/16
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:5789872.7/23
Out: 0.000+/-0.000 χ²/NDF:5733441.7/26
All: 0.000+/-0.000 χ²/NDF: 11526253.2/50



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -584.231+/-615.389 χ^2/NDF:13.6/8

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: -326.814+/-615.319 χ^2/NDF:4.2/7

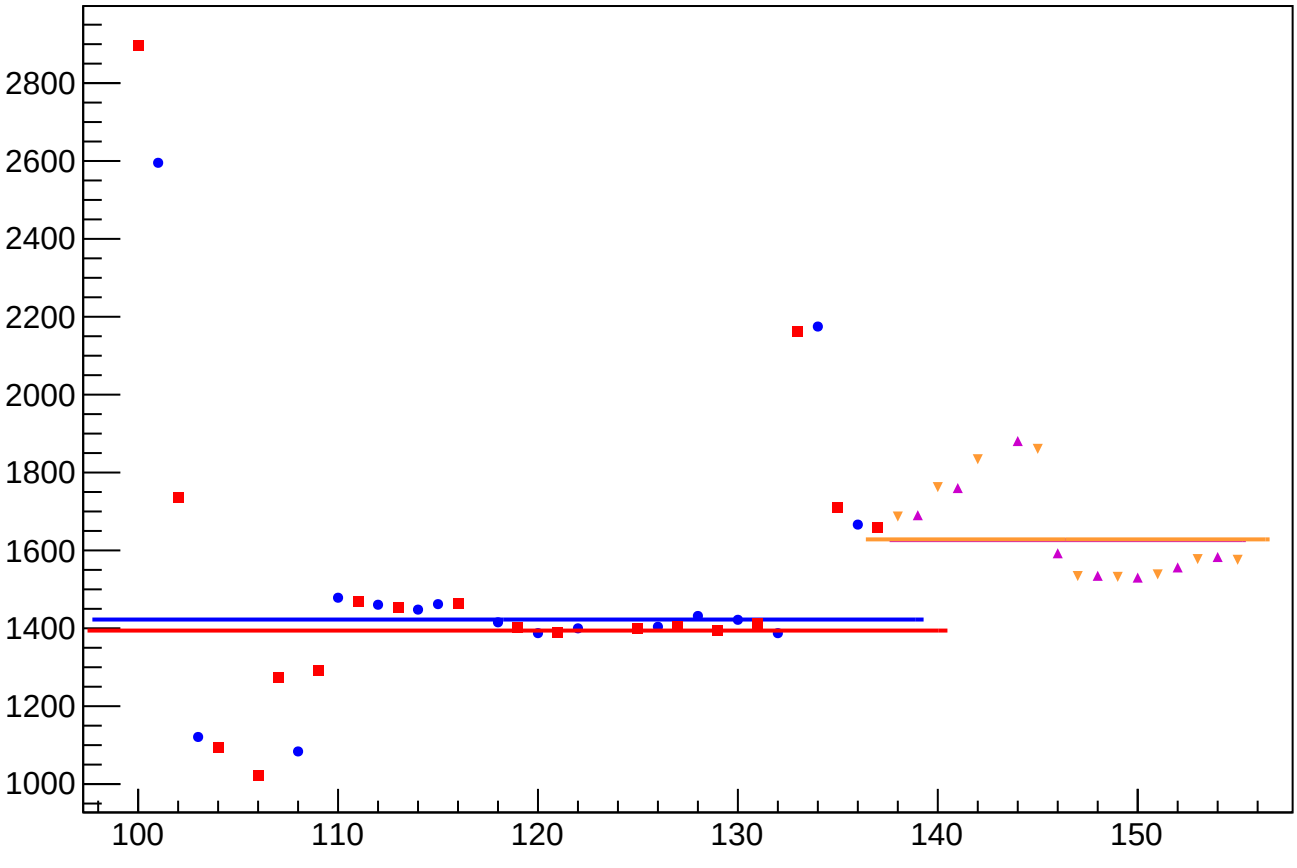
Left: -455.508+/-435.121 χ^2/NDF: 17.9/16

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 196.797+/-405.892 χ^2/NDF:25.8/23

Out: -214.998+/-401.681 χ^2/NDF:36.8/26

All: -11.248+/-285.508 χ^2/NDF: 63.1/50



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1628.321+/-0.435 χ^2/NDF:70170.3/8

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1626.456+/-0.435 χ^2/NDF:64313.1/7

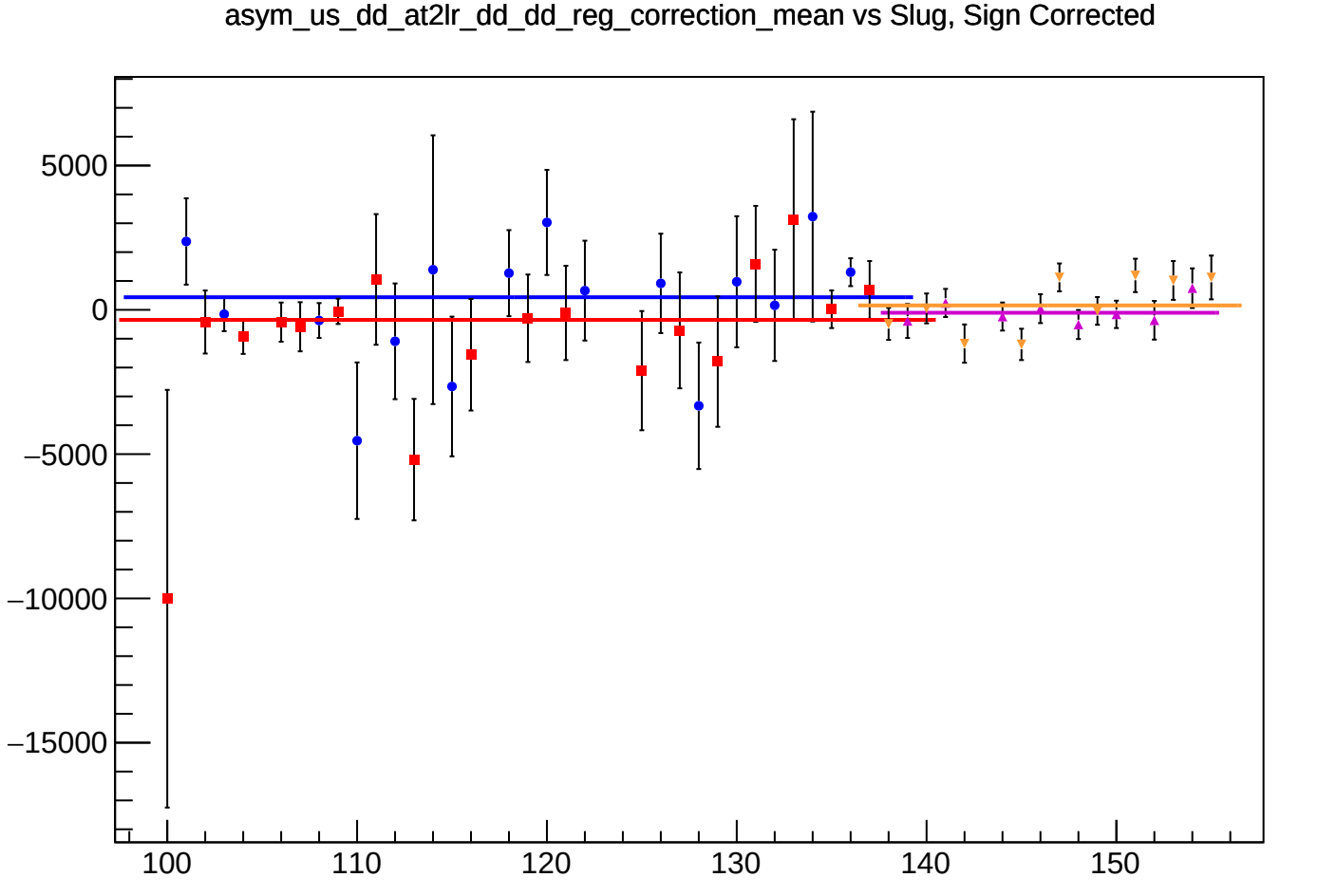
Left: 1627.388+/-0.308 χ^2/NDF: 134492.6/16

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1511.256+/-0.287 χ^2/NDF:748676.7/23

Out: 1493.931+/-0.284 χ^2/NDF:630022.4/26

All: 1502.503+/-0.202 χ^2/NDF: 1380540.0/50



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 152.747+/-188.286 χ^2/NDF:22.3/8

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -101.371+/-188.750 χ^2/NDF:3.2/7

Left: 26.001+/-133.302 χ^2/NDF: 26.4/16

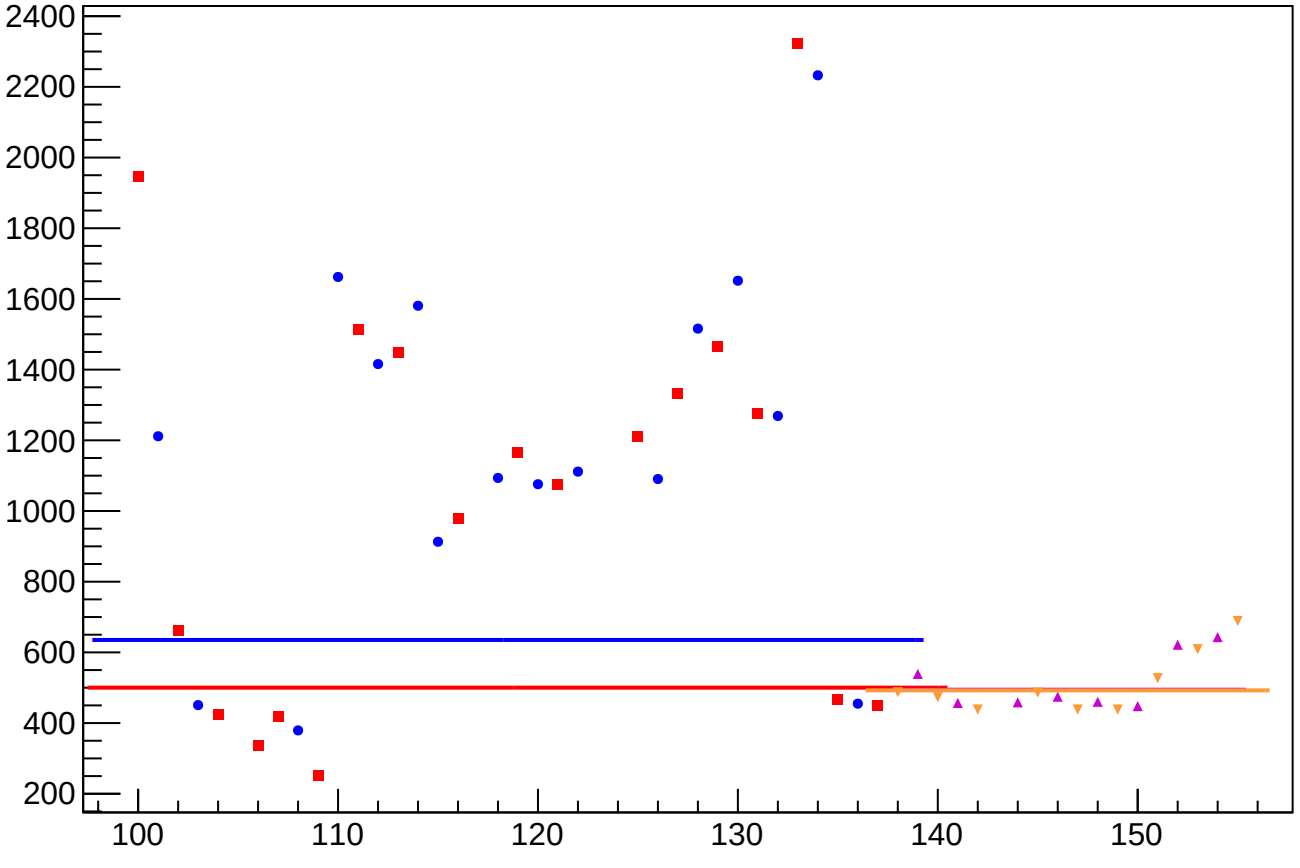
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: 70.098+/-155.786 χ^2/NDF:25.2/23

Out: -44.530+/-146.631 χ^2/NDF:39.0/26

All: 9.317+/-106.774 χ^2/NDF: 64.4/50

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: 492.530+/-0.133 χ^2/NDF:268347.7/8

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 494.361+/-0.133 χ^2/NDF:231859.3/7

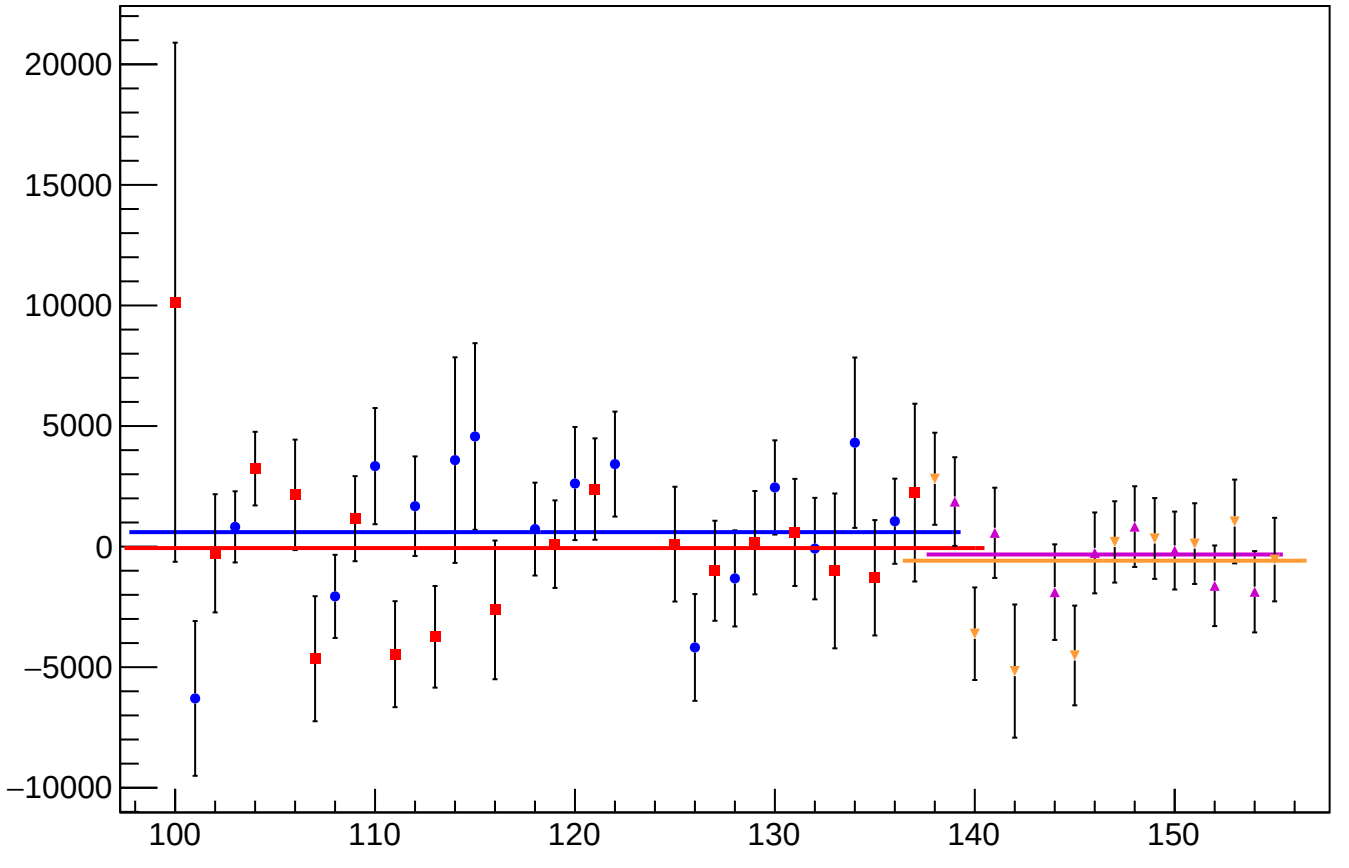
Left: 493.443+/-0.094 χ^2/NDF: 500301.3/16

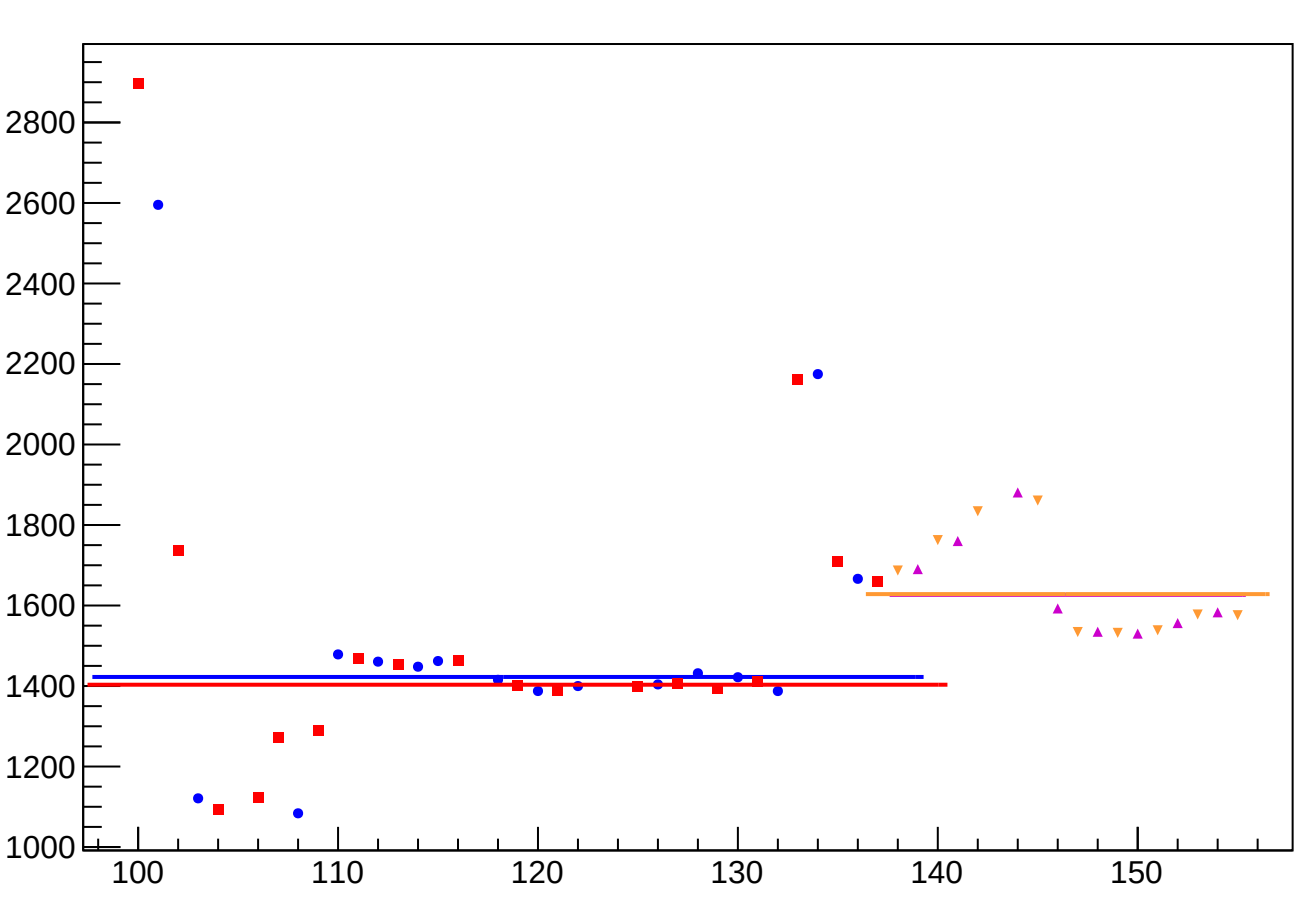
Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 539.238+/-0.110 χ^2/NDF:4339095.8/23

Out: 495.561+/-0.104 χ^2/NDF:4578757.5/26

All: 516.078+/-0.076 χ^2/NDF: 9001212.6/50


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: -584.298+/-615.389 χ²/NDF:13.6/8
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -326.846+/-615.319 χ²/NDF:4.2/7
Left: -455.557+/-435.121 χ²/NDF: 17.9/16
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 196.712+/-405.892 χ²/NDF:25.8/23
Out: -284.849+/-402.816 χ²/NDF:34.4/26
All: -45.900+/-285.915 χ²/NDF: 60.9/50



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1628.321+/-0.435 χ^2/NDF:70170.3/8

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1626.456+/-0.435 χ^2/NDF:64313.1/7

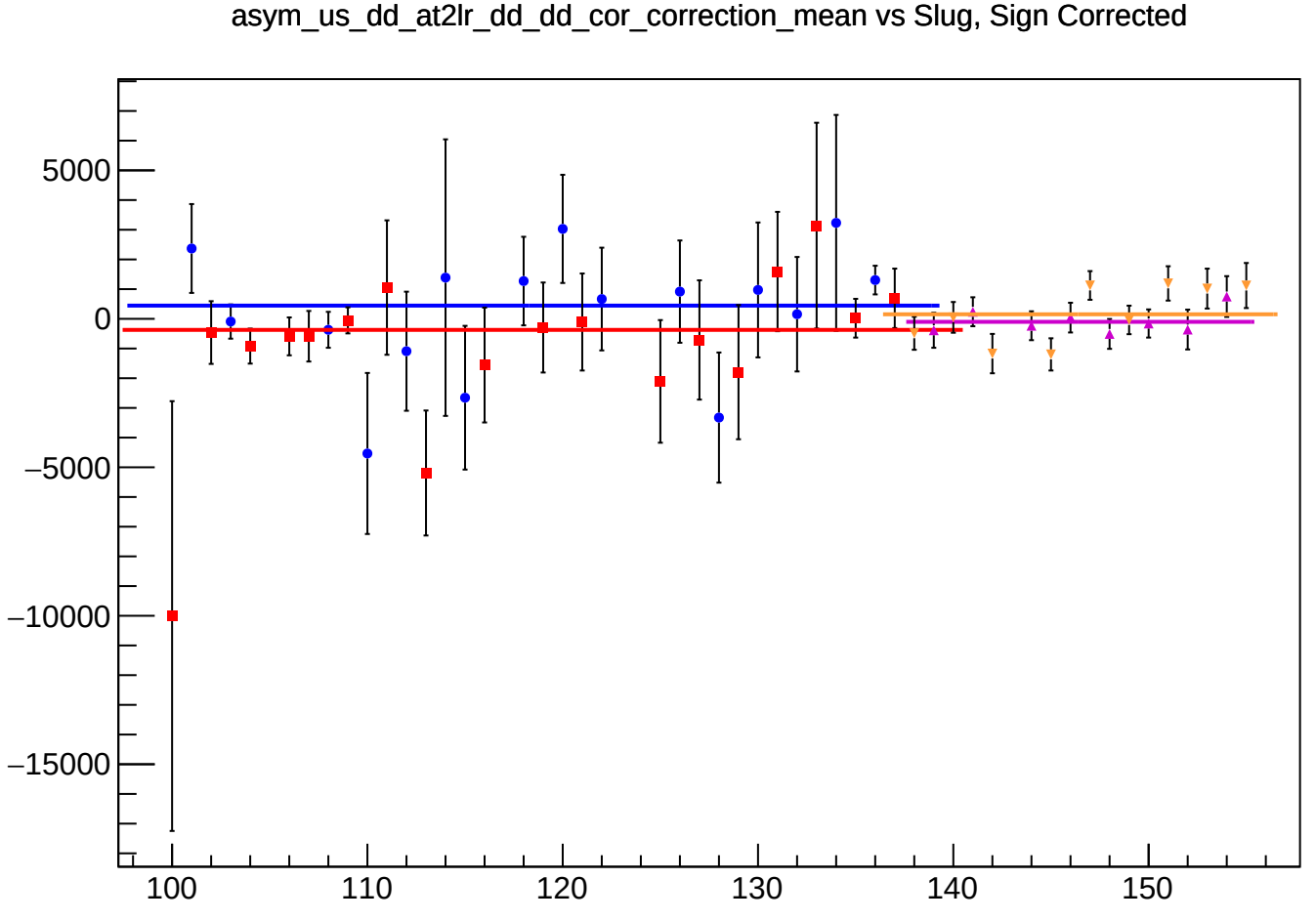
Left: 1627.388+/-0.308 χ^2/NDF: 134492.6/16

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1511.256+/-0.287 χ^2/NDF:748677.0/23

Out: 1499.667+/-0.285 χ^2/NDF:582227.6/26

All: 1505.417+/-0.202 χ^2/NDF: 1331725.9/50



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 152.757+/-188.289 χ^2/NDF:22.3/8

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -101.468+/-188.747 χ^2/NDF:3.2/7

Left: 25.954+/-133.302 χ^2/NDF: 26.4/16

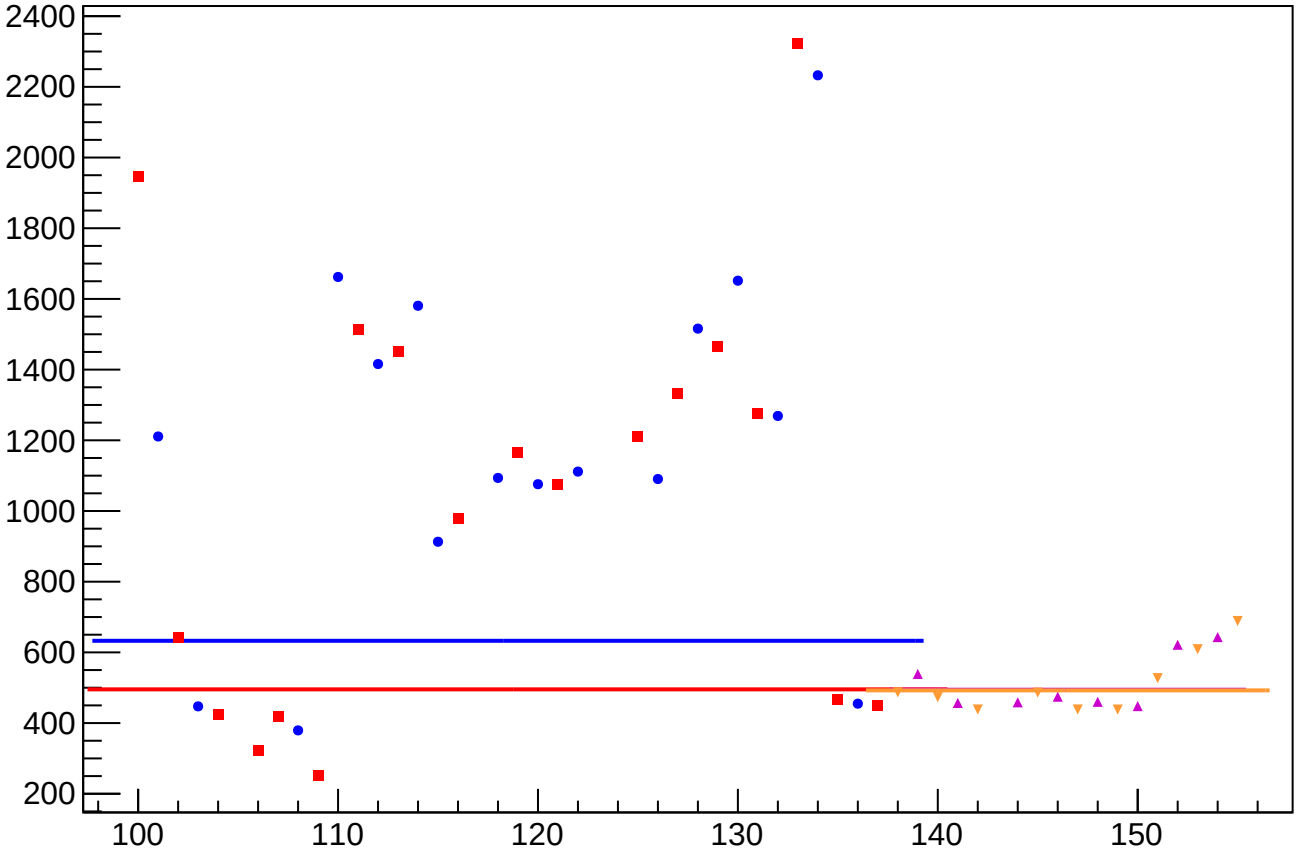
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 73.793+/-155.571 χ^2/NDF:25.1/23

Out: -56.546+/-146.036 χ^2/NDF:39.4/26

All: 4.507+/-106.475 χ^2/NDF: 64.9/50

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: 492.539+/-0.133 χ^2/NDF:268267.7/8

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 494.353+/-0.133 χ^2/NDF:231861.4/7

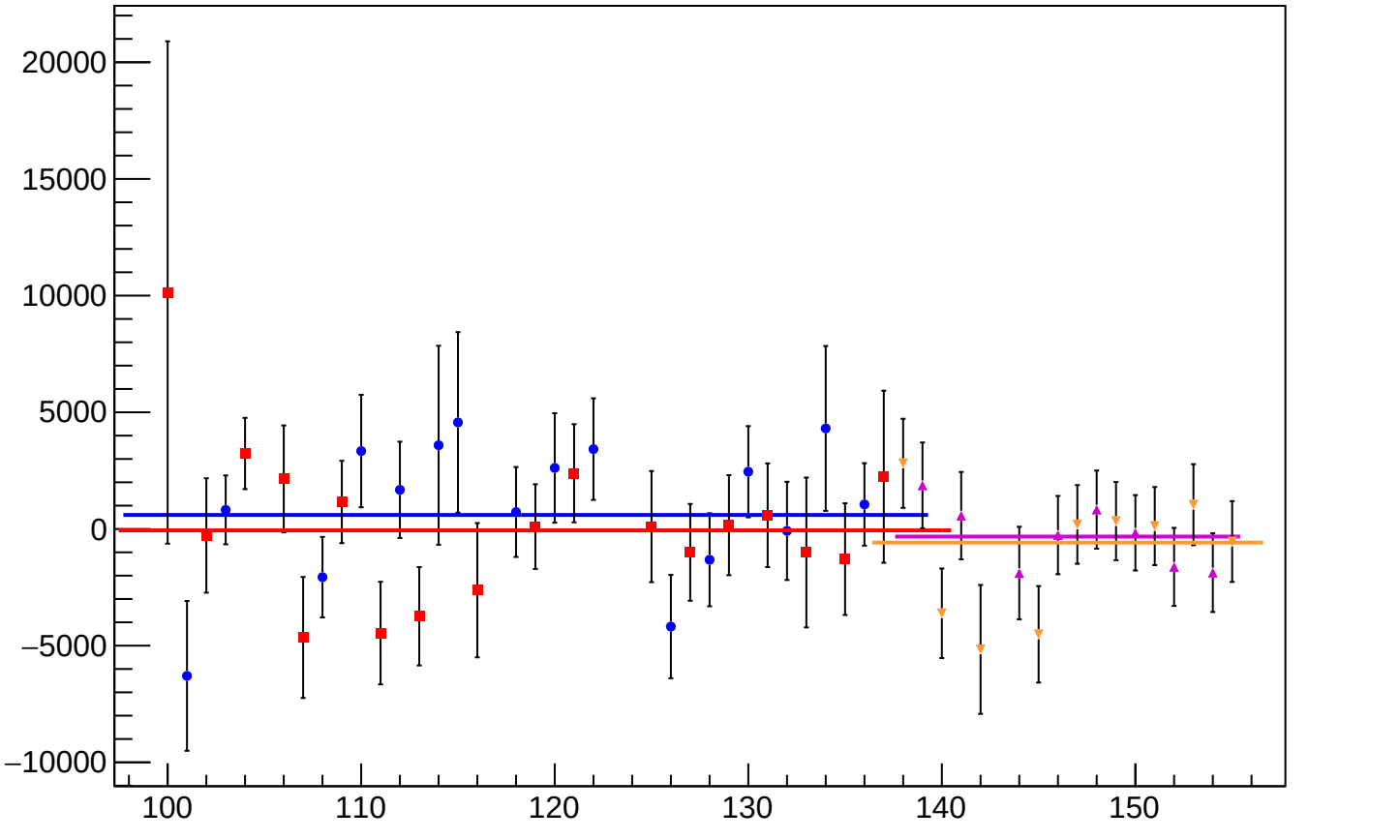
Left: 493.444+/-0.094 χ^2/NDF: 500221.7/16

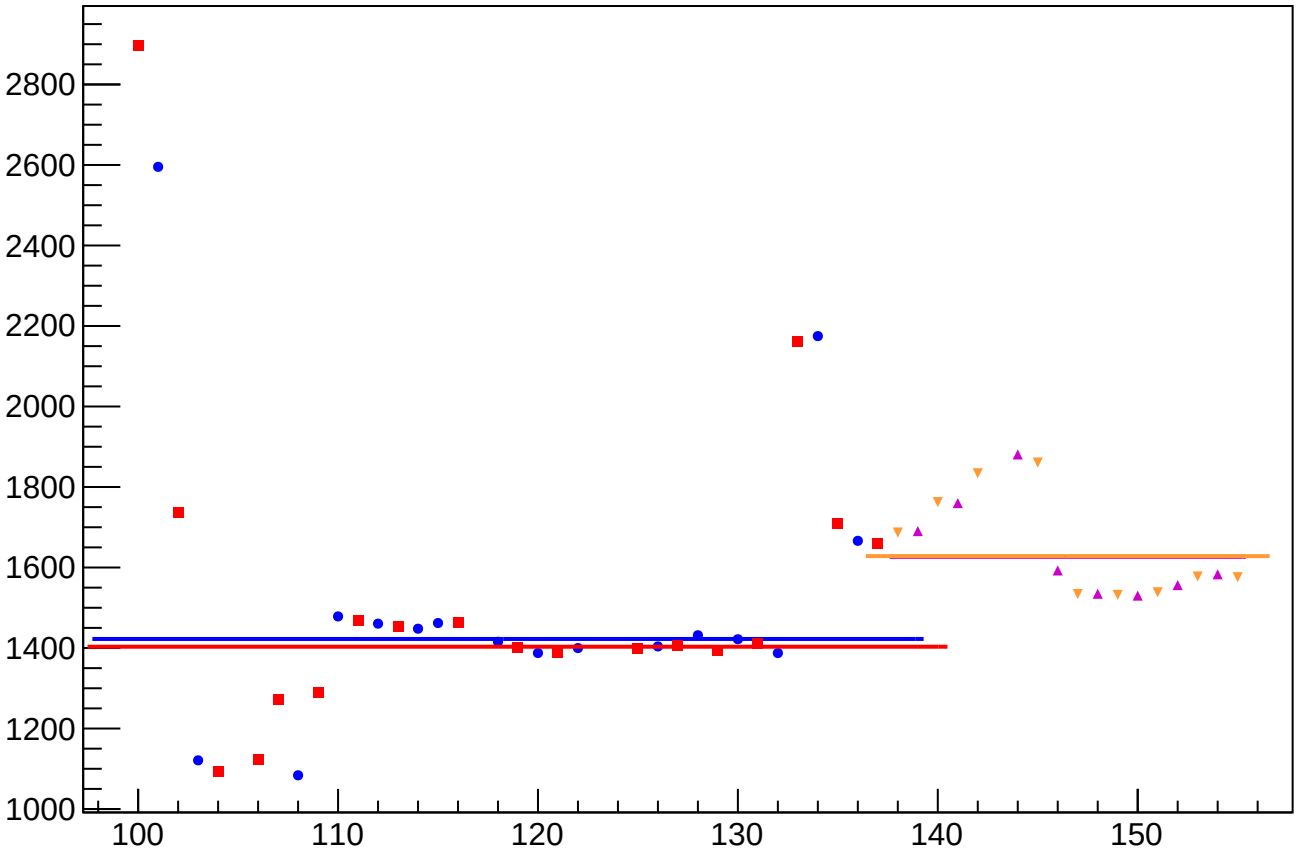
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 538.730+/-0.110 χ^2/NDF:4344388.8/23

Out: 493.671+/-0.103 χ^2/NDF:4605933.8/26

All: 514.778+/-0.075 χ^2/NDF: 9039510.3/50


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: -584.298+/-615.389 χ²/NDF:13.6/8
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -326.846+/-615.319 χ²/NDF:4.2/7
Left: -455.557+/-435.121 χ²/NDF: 17.9/16
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 196.712+/-405.892 χ²/NDF:25.8/23
Out: -284.849+/-402.816 χ²/NDF:34.4/26
All: -45.900+/-285.915 χ²/NDF: 60.9/50



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1628.321+/-0.435 χ^2/NDF:70170.3/8

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1626.456+/-0.435 χ^2/NDF:64313.1/7

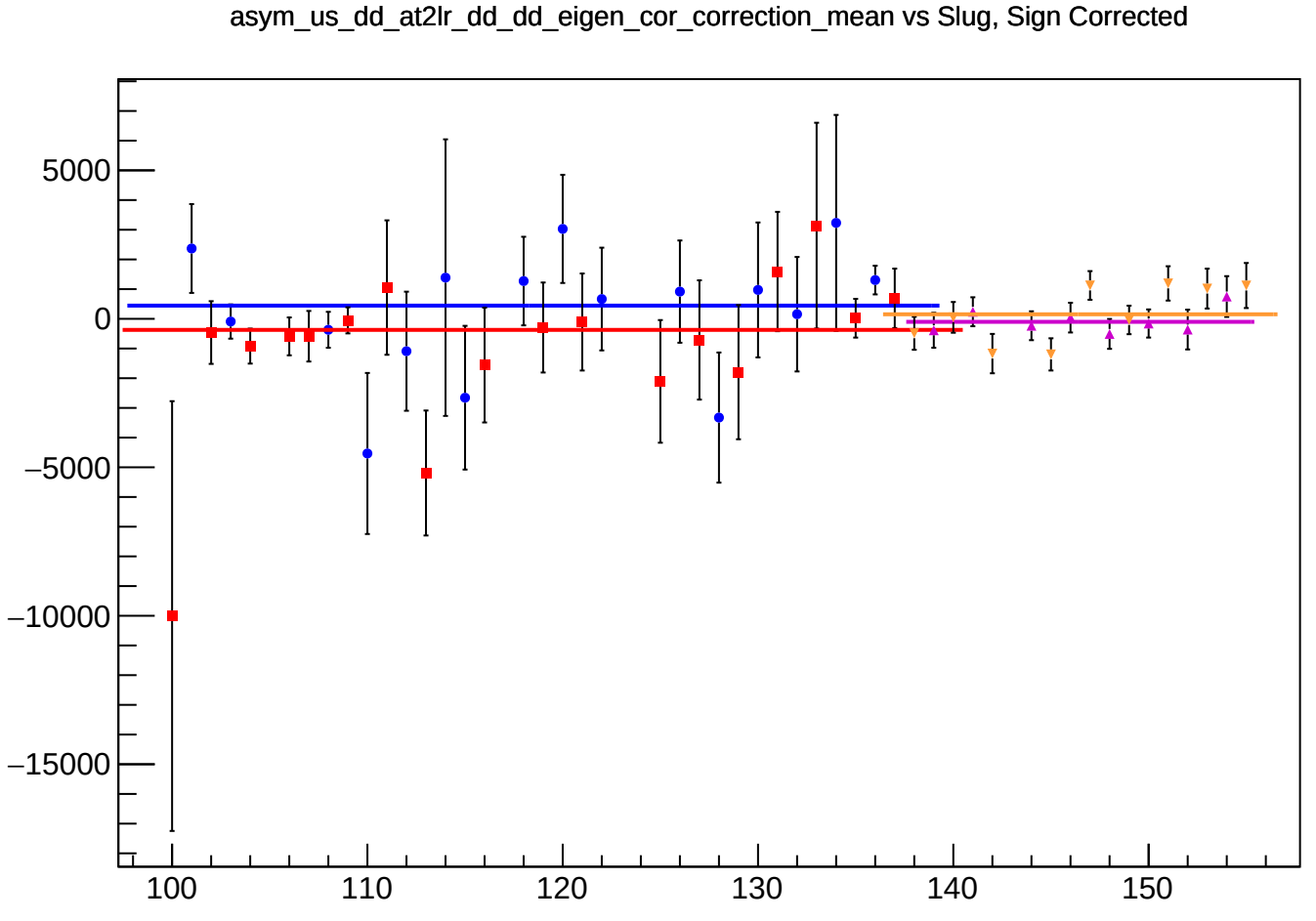
Left: 1627.388+/-0.308 χ^2/NDF: 134492.6/16

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1511.256+/-0.287 χ^2/NDF:748677.0/23

Out: 1499.667+/-0.285 χ^2/NDF:582227.6/26

All: 1505.417+/-0.202 χ^2/NDF: 1331725.9/50



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 152.757+/-188.289 χ^2/NDF:22.3/8

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -101.468+/-188.747 χ^2/NDF:3.2/7

Left: 25.954+/-133.302 χ^2/NDF: 26.4/16

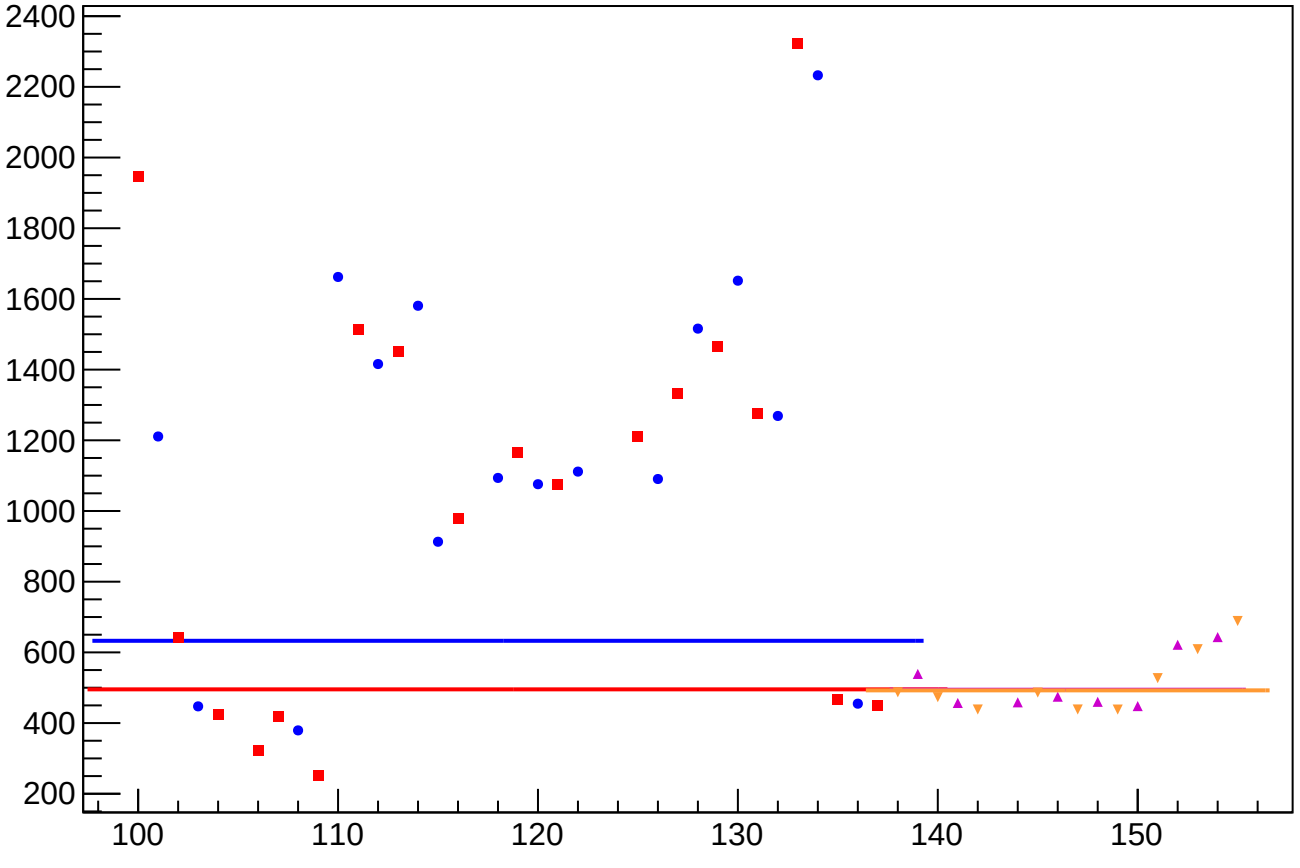
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 73.793+/-155.571 χ^2/NDF:25.1/23

Out: -56.546+/-146.036 χ^2/NDF:39.4/26

All: 4.507+/-106.475 χ^2/NDF: 64.9/50

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: 492.539+/-0.133 χ^2/NDF:268267.7/8

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 494.353+/-0.133 χ^2/NDF:231861.4/7

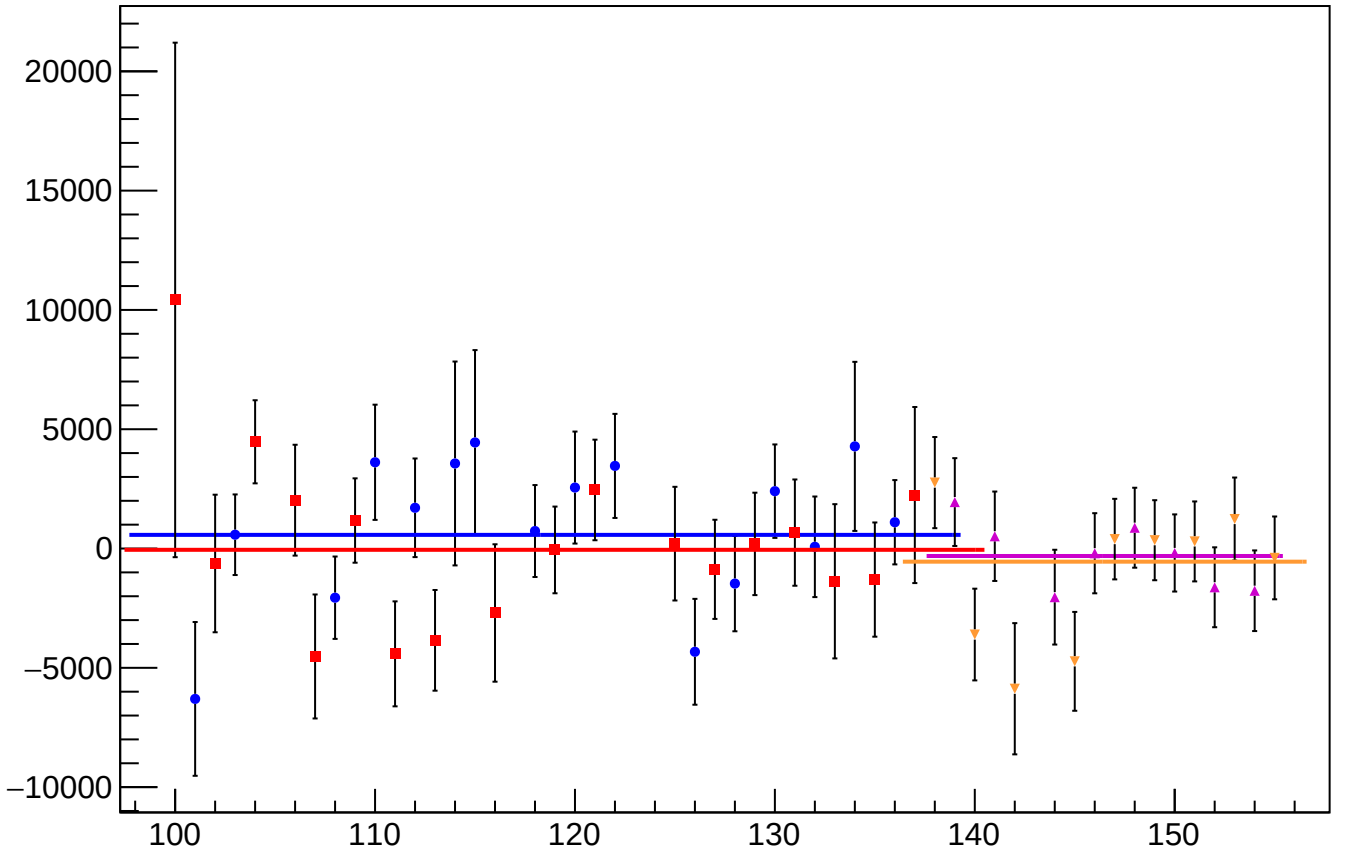
Left: 493.444+/-0.094 χ^2/NDF: 500221.7/16

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 538.730+/-0.110 χ^2/NDF:4344388.8/23

Out: 493.671+/-0.103 χ^2/NDF:4605933.8/26

All: 514.778+/-0.075 χ^2/NDF: 9039510.3/50



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -550.875+/-616.057 χ^2/NDF:15.3/8

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: -312.994+/-616.179 χ^2/NDF:4.3/7

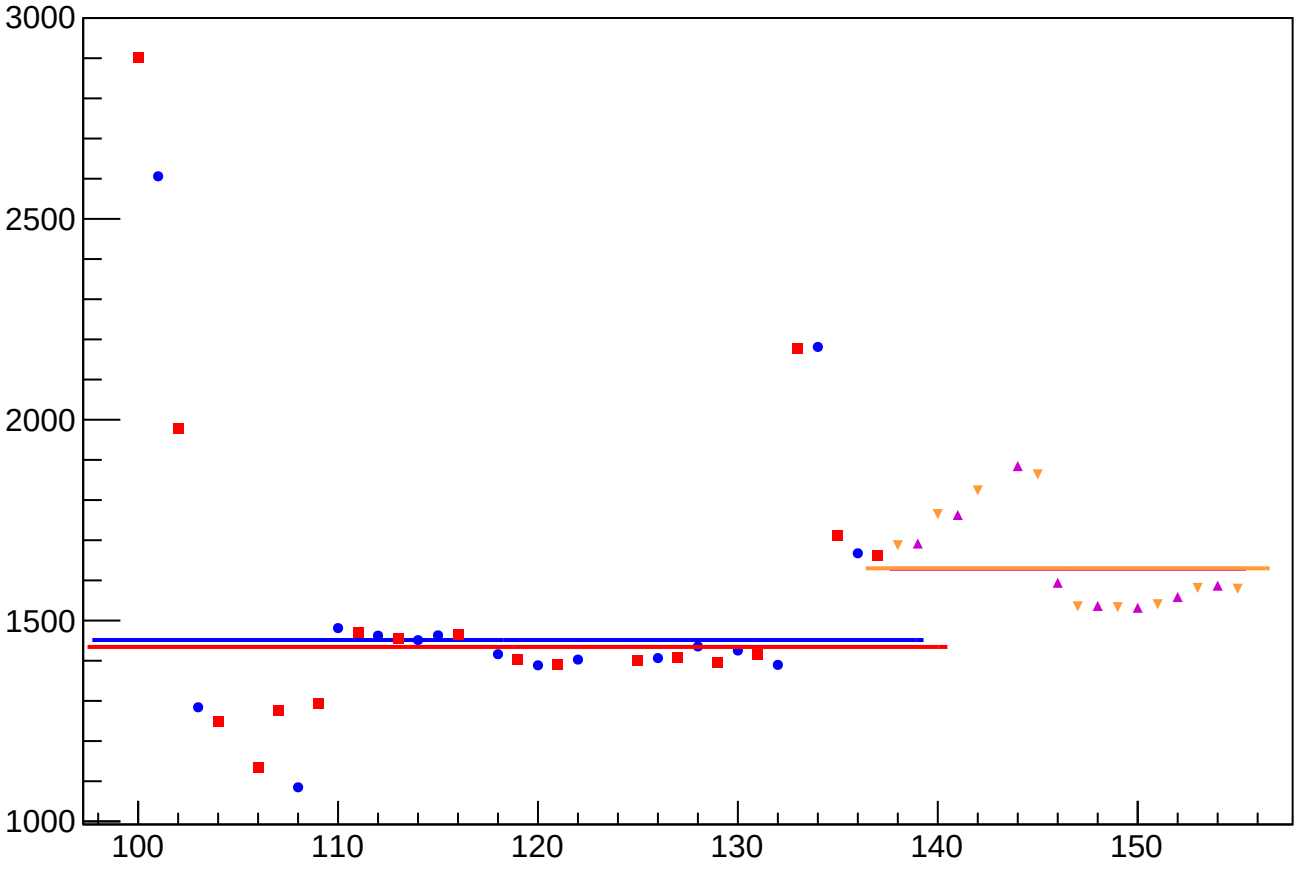
Left: -431.958+/-435.661 χ^2/NDF: 19.7/16

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 180.013+/-410.168 χ^2/NDF:26.3/23

Out: -272.163+/-408.342 χ^2/NDF:38.2/26

All: -47.084+/-289.385 χ^2/NDF: 65.0/50



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1630.030+/-0.436 χ^2/NDF:69031.4/8

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1628.696+/-0.436 χ^2/NDF:64594.6/7

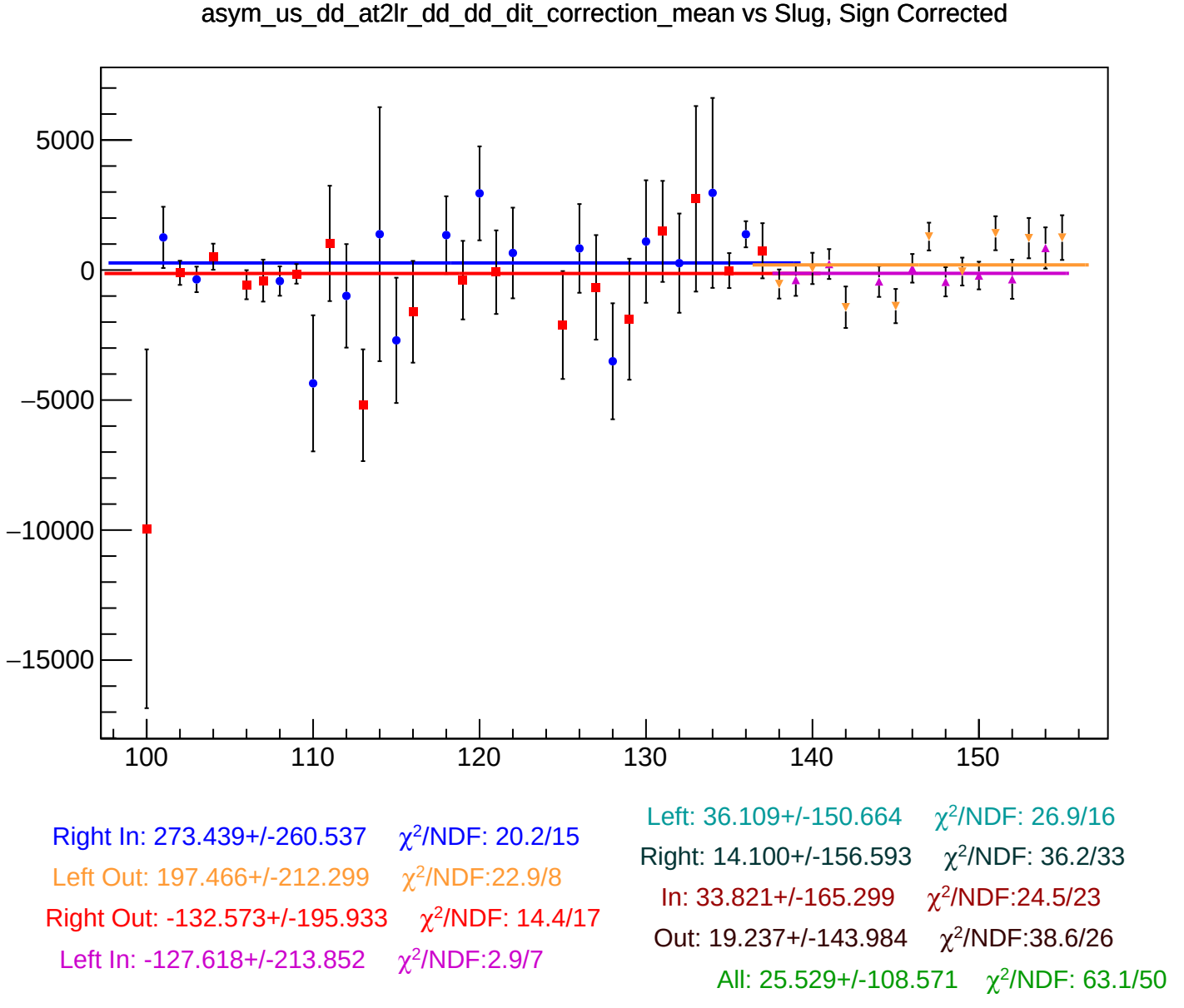
Left: 1629.363+/-0.308 χ^2/NDF: 133630.8/16

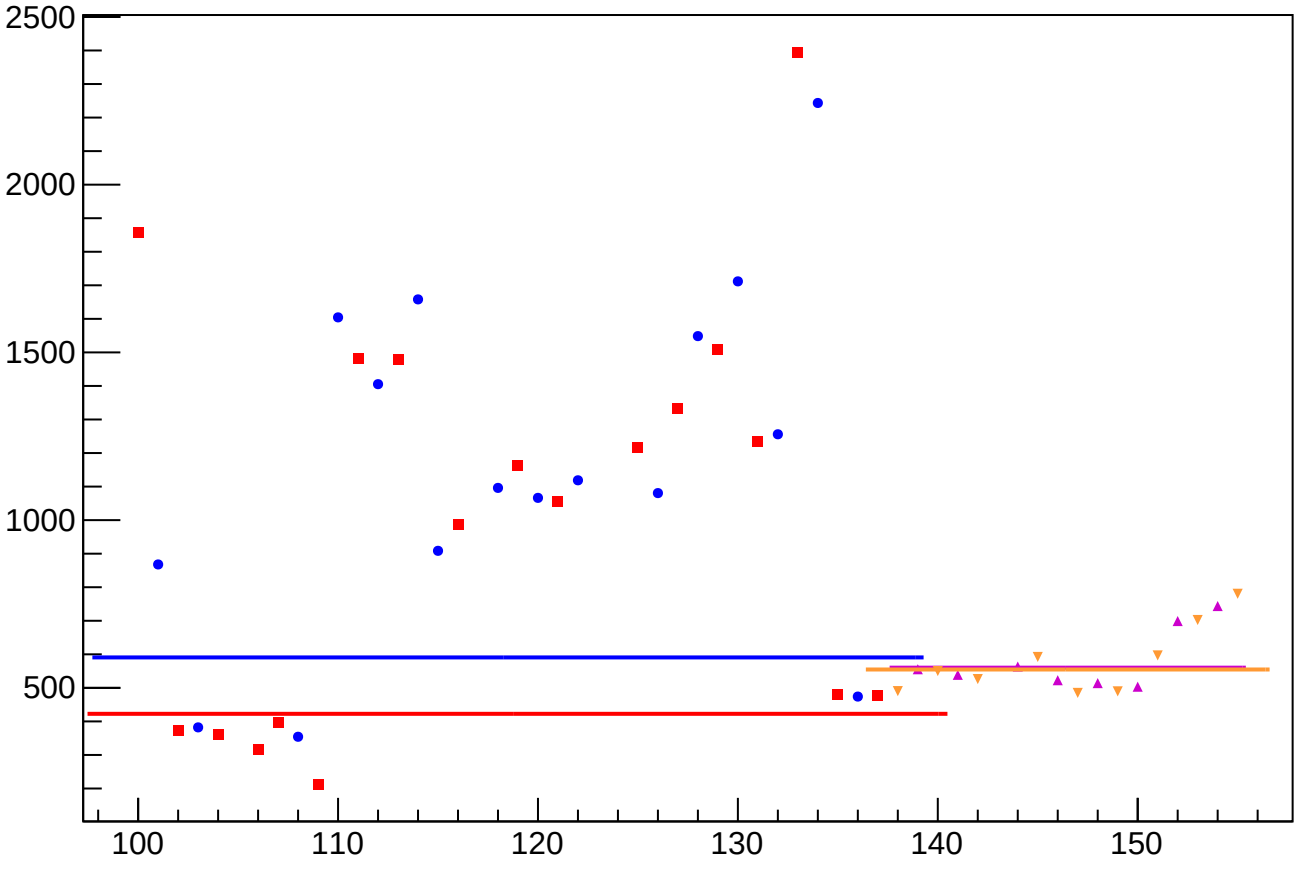
Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1530.061+/-0.290 χ^2/NDF:644457.0/23

Out: 1520.305+/-0.289 χ^2/NDF:510784.6/26

All: 1525.161+/-0.205 χ^2/NDF: 1155809.9/50


asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 273.439+/-260.537 χ²/NDF: 20.2/15
Left Out: 197.466+/-212.299 χ²/NDF:22.9/8
Right Out: -132.573+/-195.933 χ²/NDF: 14.4/17
Left In: -127.618+/-213.852 χ²/NDF:2.9/7
Left: 36.109+/-150.664 χ²/NDF: 26.9/16
Right: 14.100+/-156.593 χ²/NDF: 36.2/33
In: 33.821+/-165.299 χ²/NDF:24.5/23
Out: 19.237+/-143.984 χ²/NDF:38.6/26
All: 25.529+/-108.571 χ²/NDF: 63.1/50



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 554.762+/-0.150 χ^2/NDF:318079.2/8

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 560.221+/-0.151 χ^2/NDF:223671.8/7

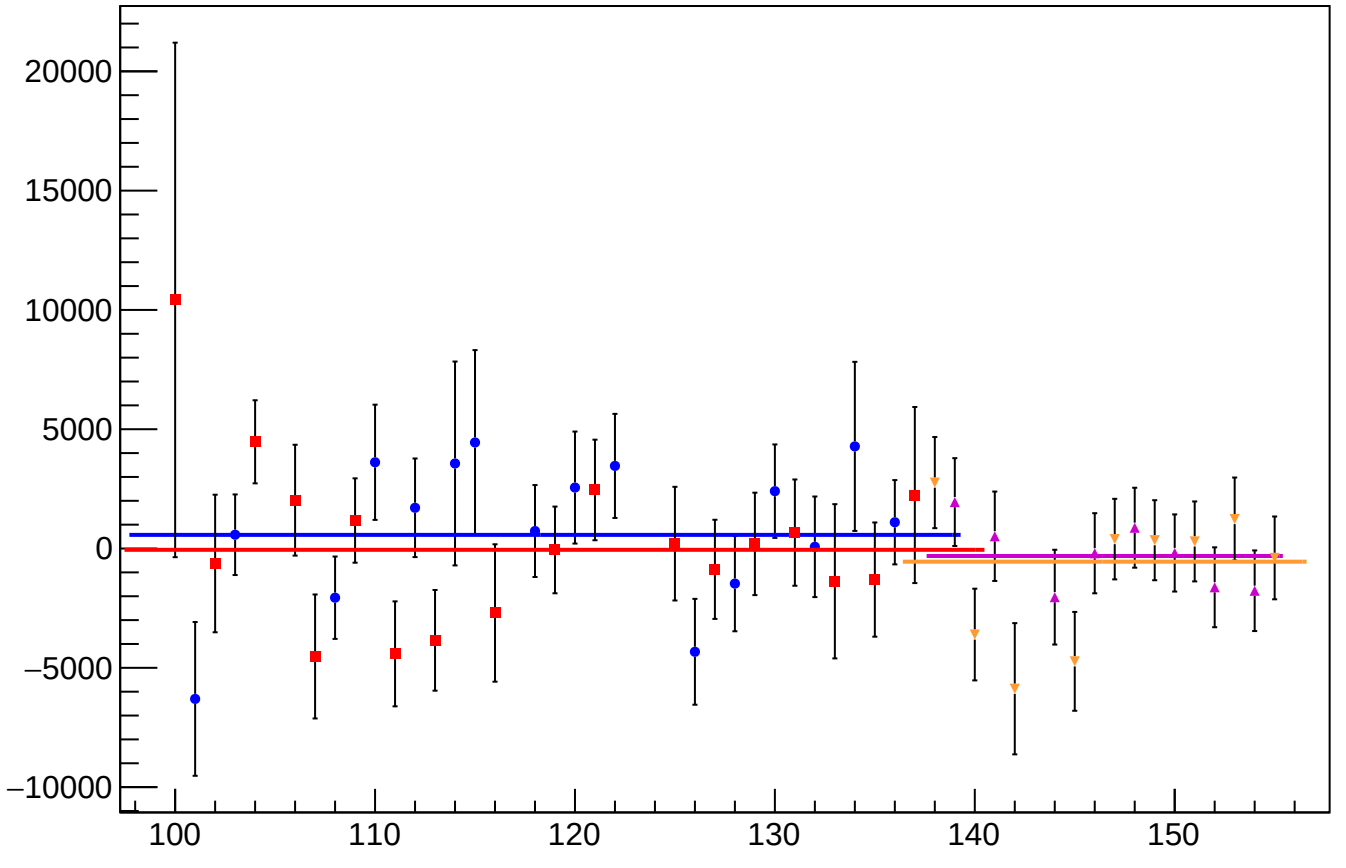
Left: 557.471+/-0.107 χ^2/NDF: 542407.4/16

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 572.509+/-0.117 χ^2/NDF:4125580.0/23

Out: 483.407+/-0.102 χ^2/NDF:5594473.5/26

All: 521.846+/-0.077 χ^2/NDF: 10050477.4/50



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -550.888+/-616.057 χ^2/NDF:15.3/8

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -312.998+/-616.179 χ^2/NDF:4.3/7

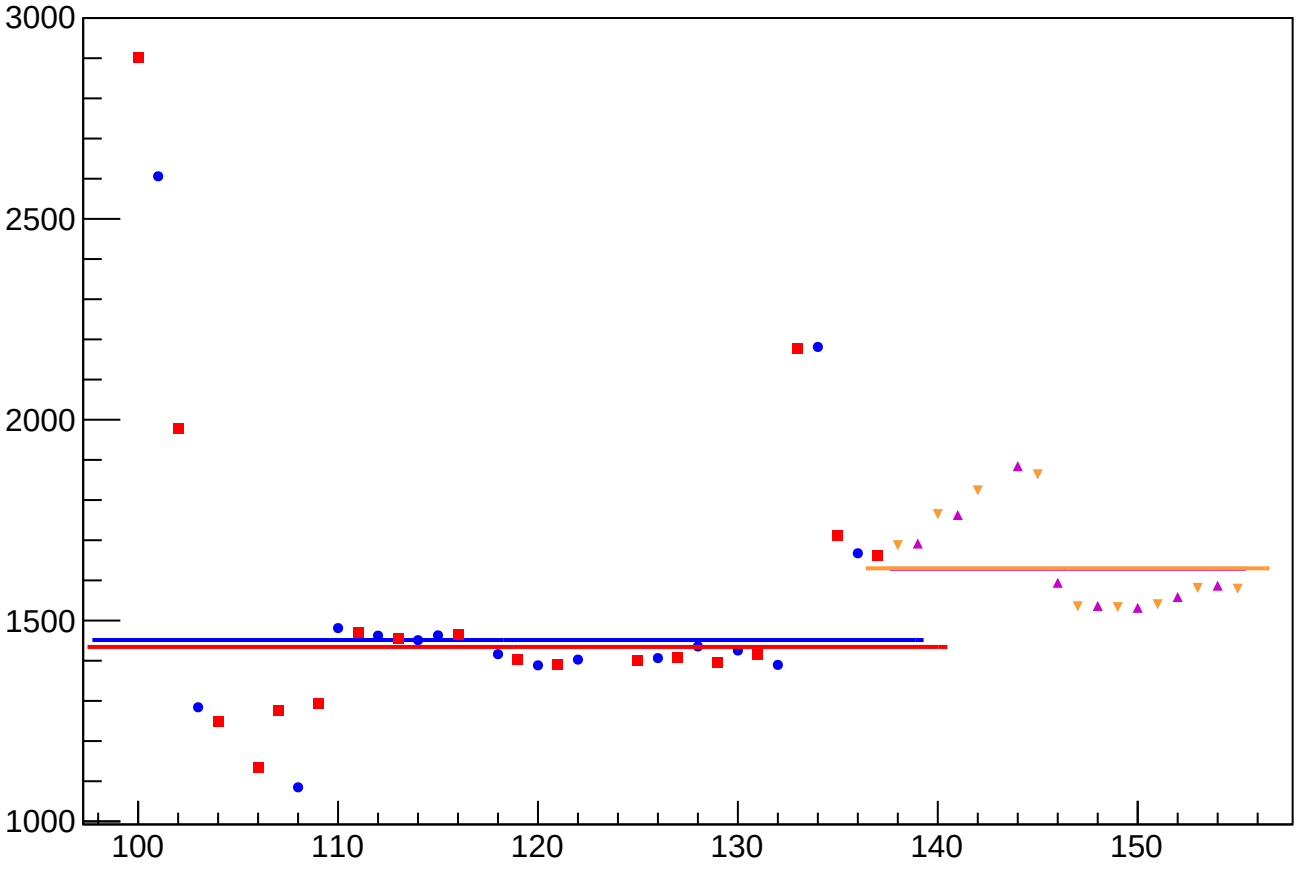
Left: -431.966+/-435.661 χ^2/NDF: 19.7/16

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 180.011+/-410.168 χ^2/NDF:26.3/23

Out: -272.167+/-408.342 χ^2/NDF:38.2/26

All: -47.086+/-289.385 χ^2/NDF: 65.0/50



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1630.030+/-0.436 χ^2/NDF:69031.6/8

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1628.696+/-0.436 χ^2/NDF:64594.8/7

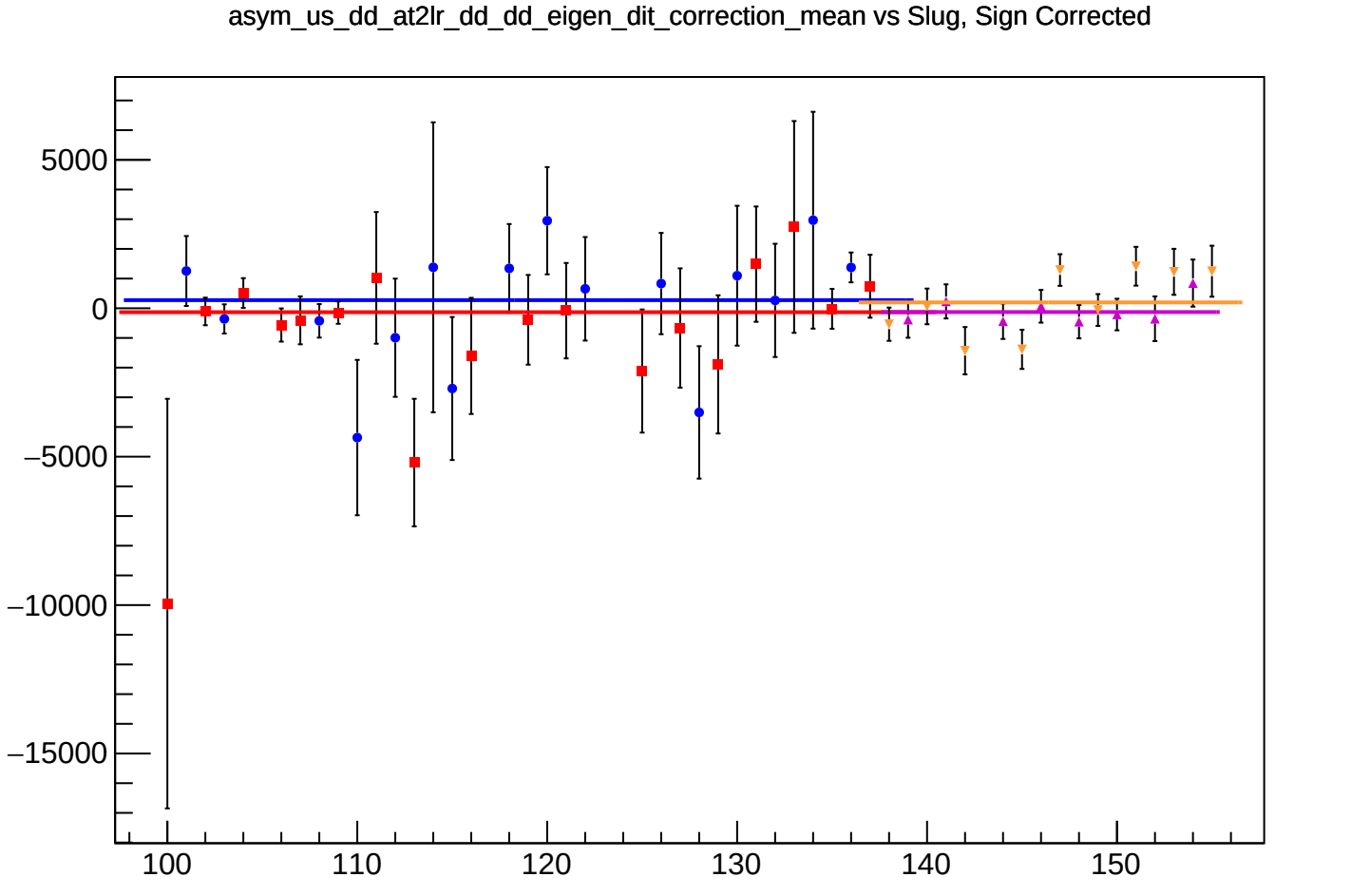
Left: 1629.363+/-0.308 χ^2/NDF: 133631.0/16

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

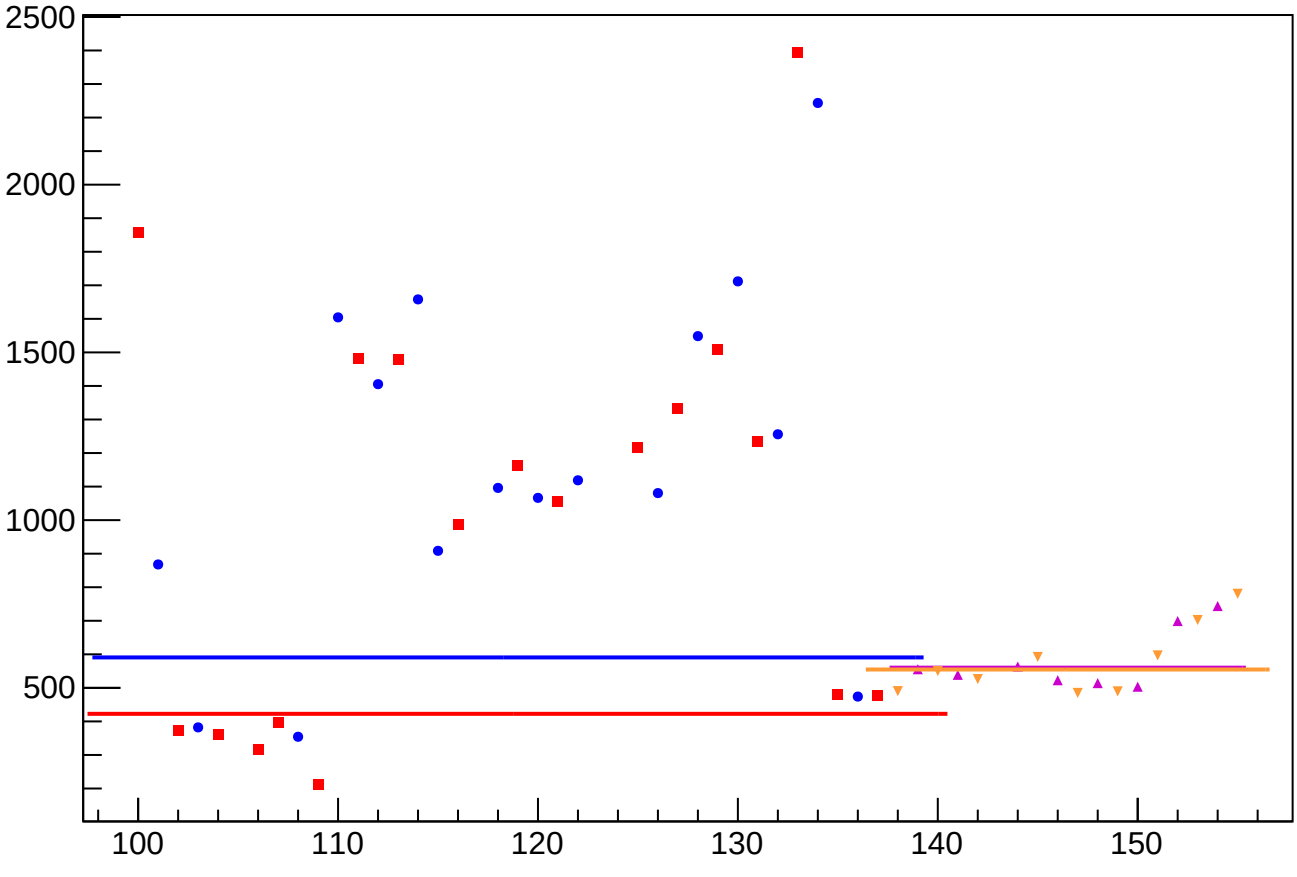
In: 1530.061+/-0.290 χ^2/NDF:644456.7/23

Out: 1520.305+/-0.289 χ^2/NDF:510785.0/26

All: 1525.161+/-0.205 χ^2/NDF: 1155810.0/50


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 273.429+/-260.536 χ²/NDF: 20.2/15
Left Out: 197.475+/-212.300 χ²/NDF:22.9/8
Right Out: -132.567+/-195.935 χ²/NDF: 14.4/17
Left In: -127.624+/-213.853 χ²/NDF:2.9/7
Left: 36.110+/-150.665 χ²/NDF: 26.9/16
Right: 14.101+/-156.594 χ²/NDF: 36.2/33
In: 33.814+/-165.299 χ²/NDF:24.5/23
Out: 19.244+/-143.985 χ²/NDF:38.6/26
All: 25.530+/-108.572 χ²/NDF: 63.1/50

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: 554.766+/-0.150 χ^2/NDF:318076.3/8

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 560.222+/-0.151 χ^2/NDF:223694.6/7

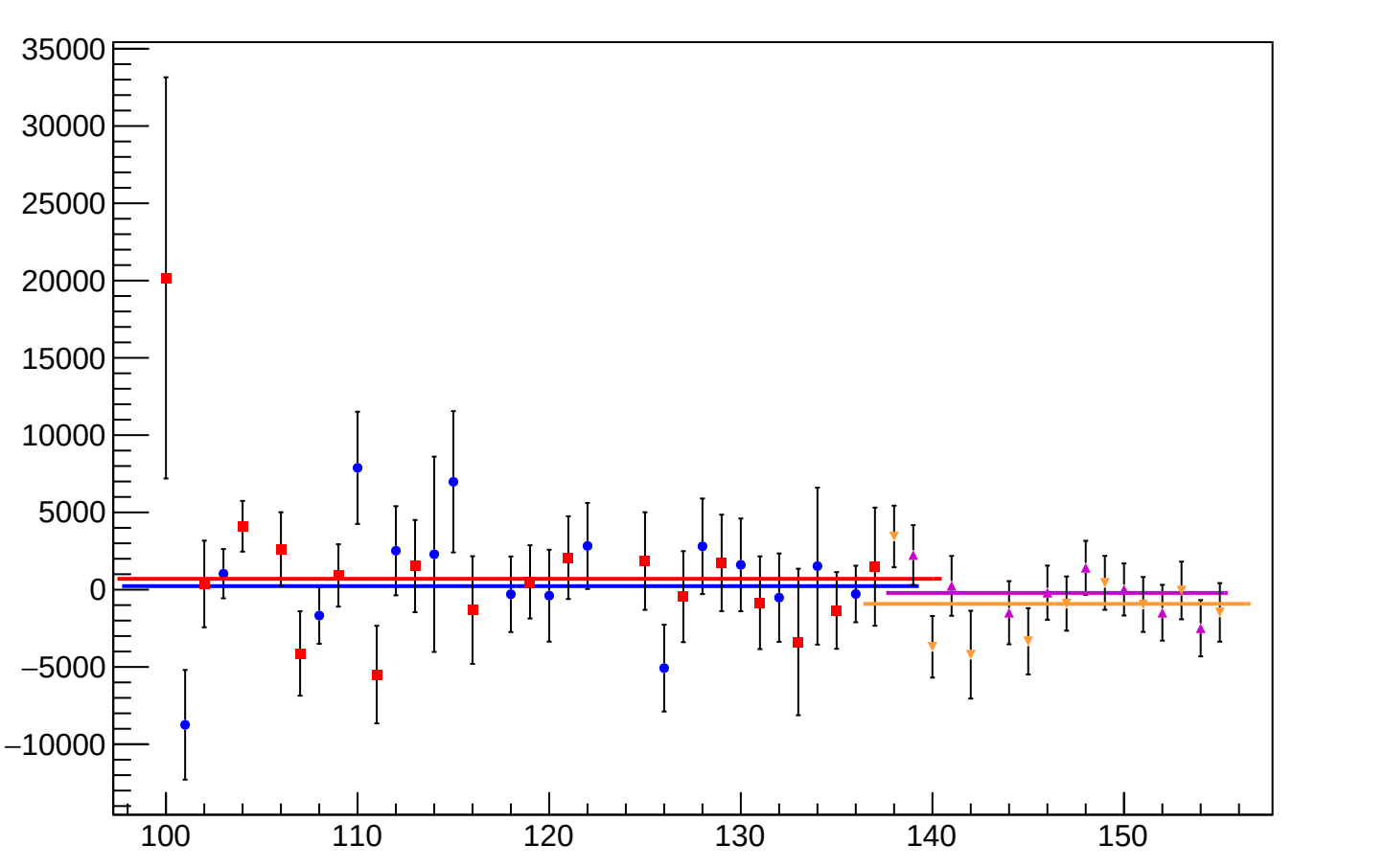
Left: 557.474+/-0.107 χ^2/NDF: 542426.7/16

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 572.509+/-0.117 χ^2/NDF:4125628.2/23

Out: 483.412+/-0.102 χ^2/NDF:5594372.5/26

All: 521.849+/-0.077 χ^2/NDF: 10050385.6/50



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -918.795+/-647.924 χ^2/NDF:10.3/8

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: -208.827+/-647.240 χ^2/NDF:5.0/7

Left: -563.436+/-457.910 χ^2/NDF: 15.9/16

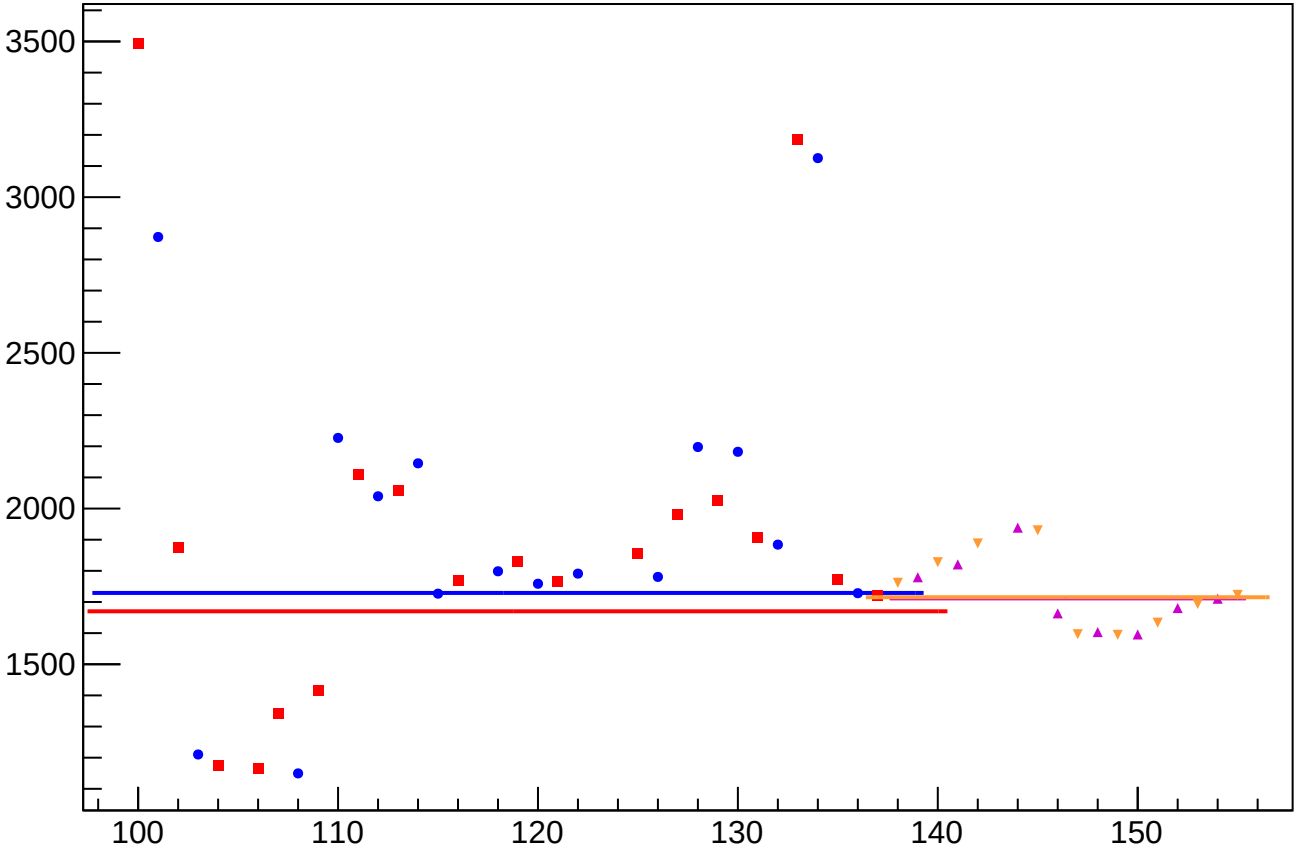
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 4.610+/-464.240 χ^2/NDF:26.0/23

Out: -108.757+/-458.291 χ^2/NDF:30.4/26

All: -52.805+/-326.144 χ^2/NDF: 56.4/50

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: 1715.207+/-0.458 χ^2/NDF:58187.1/8

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1711.548+/-0.458 χ^2/NDF:52722.6/7

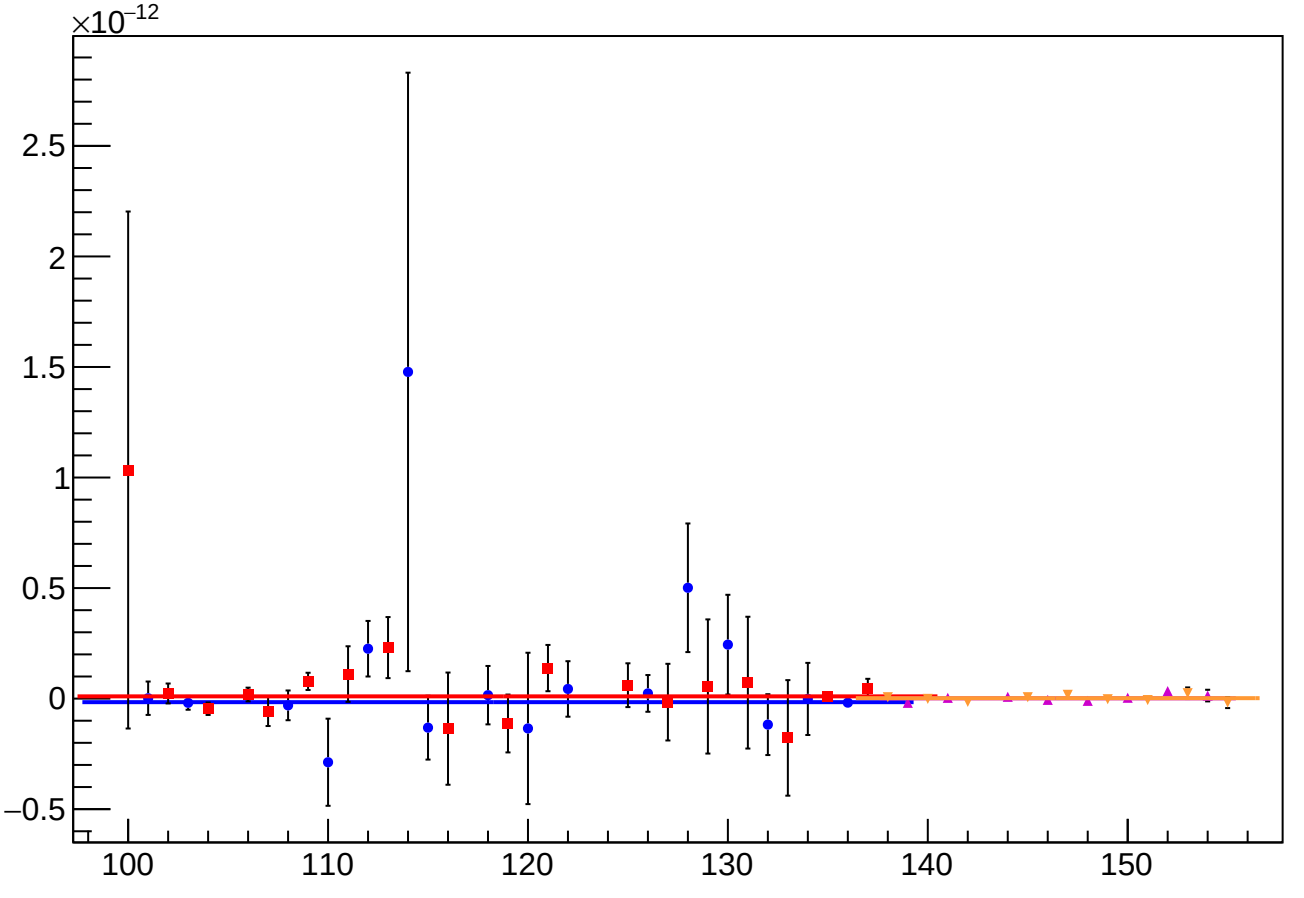
Left: 1713.375+/-0.324 χ^2/NDF: 110941.6/16

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1720.046+/-0.328 χ^2/NDF:995511.7/23

Out: 1692.645+/-0.324 χ^2/NDF:807492.1/26

All: 1706.169+/-0.231 χ^2/NDF: 1806532.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:5.8/7

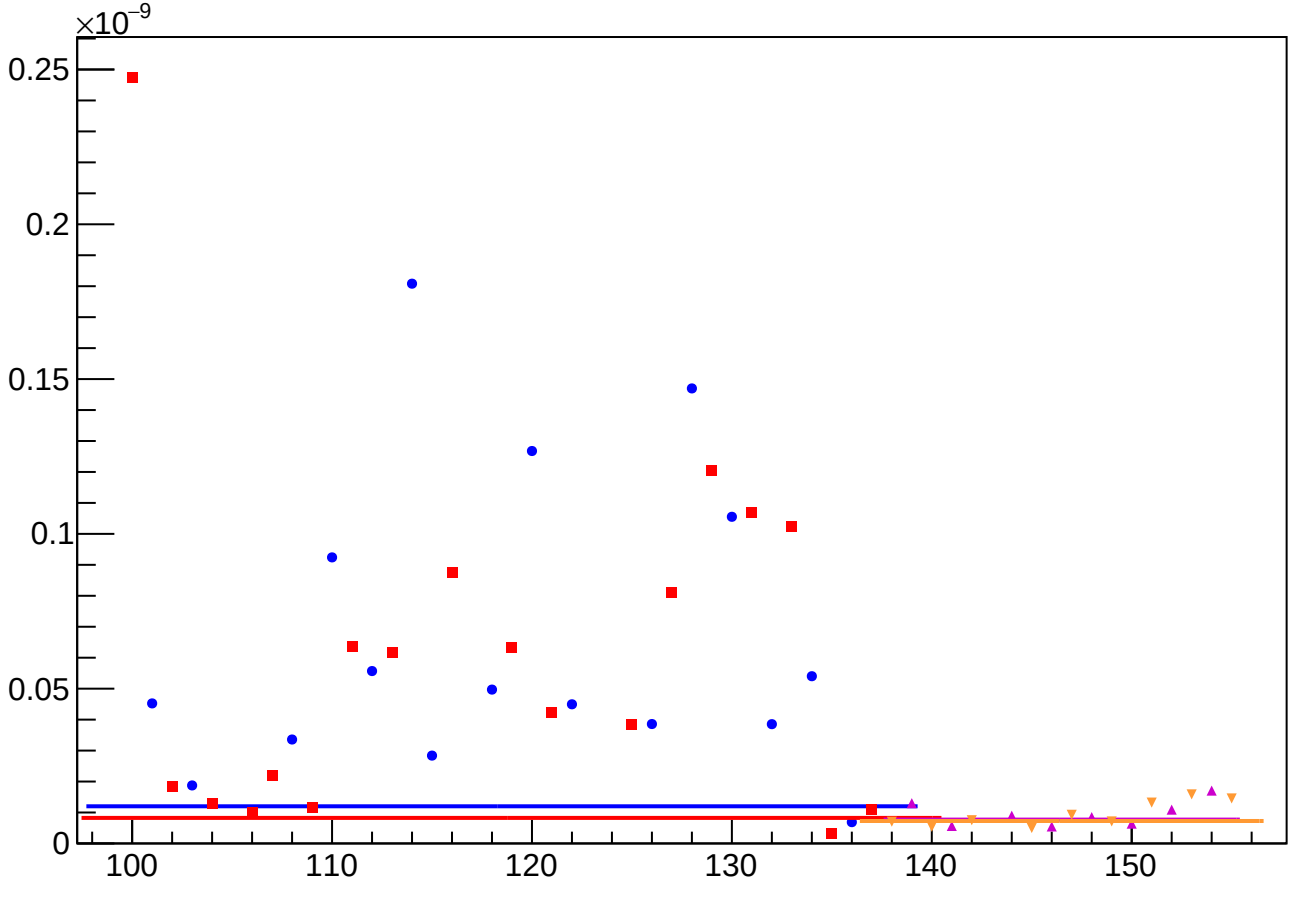
Left: 0.000+/-0.000 χ^2/NDF: 9.7/16

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:21.4/23

Out: 0.000+/-0.000 χ^2/NDF:21.0/26

All: 0.000+/-0.000 χ^2/NDF: 43.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:796247.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:713083.2/7

Left: 0.000+/-0.000 χ^2/NDF: 1518538.1/16

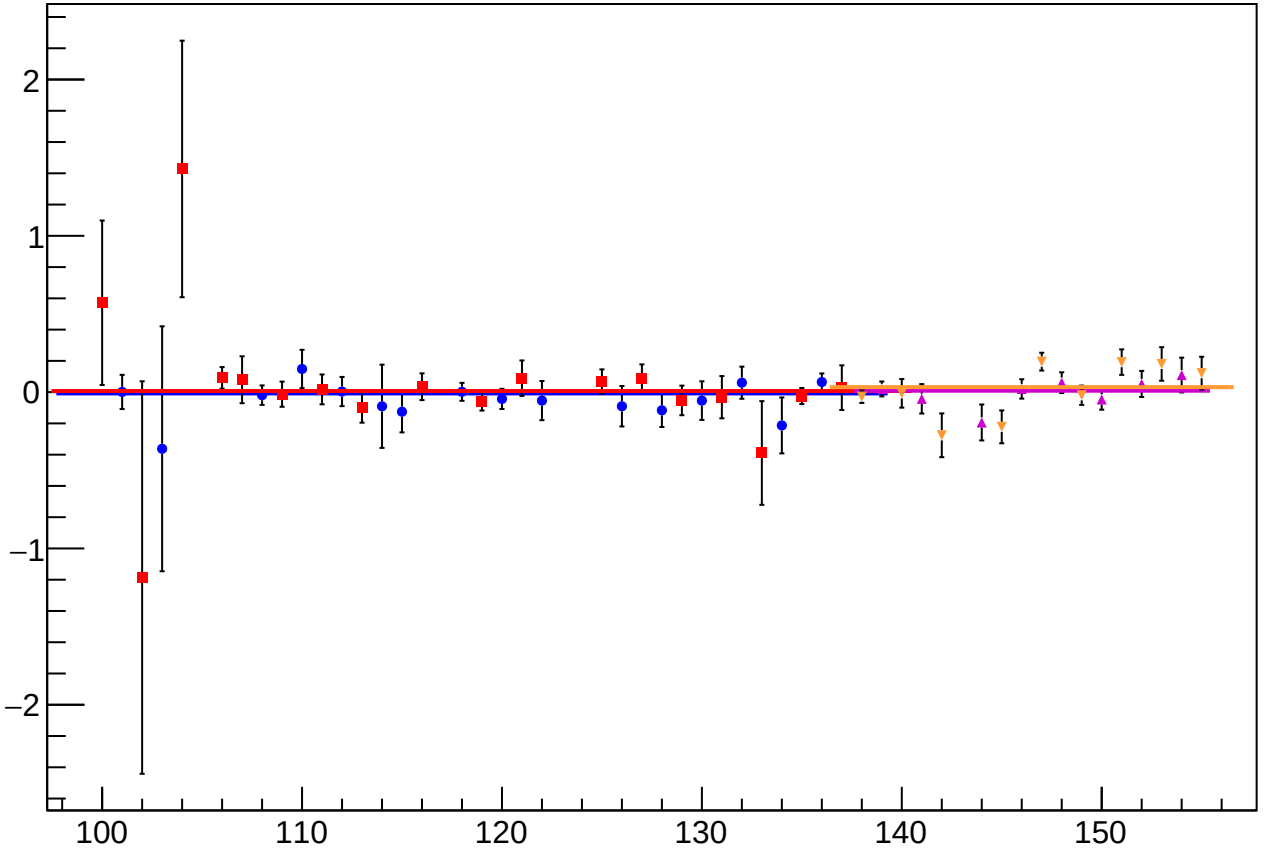
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4428321.2/23

Out: 0.000+/-0.000 χ^2/NDF:4326833.6/26

All: 0.000+/-0.000 χ^2/NDF: 8809982.9/50

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: 0.032+/-0.024 χ^2/NDF:28.6/8

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.009+/-0.025 χ^2/NDF:5.9/7

Left: 0.021+/-0.017 χ^2/NDF: 34.9/16

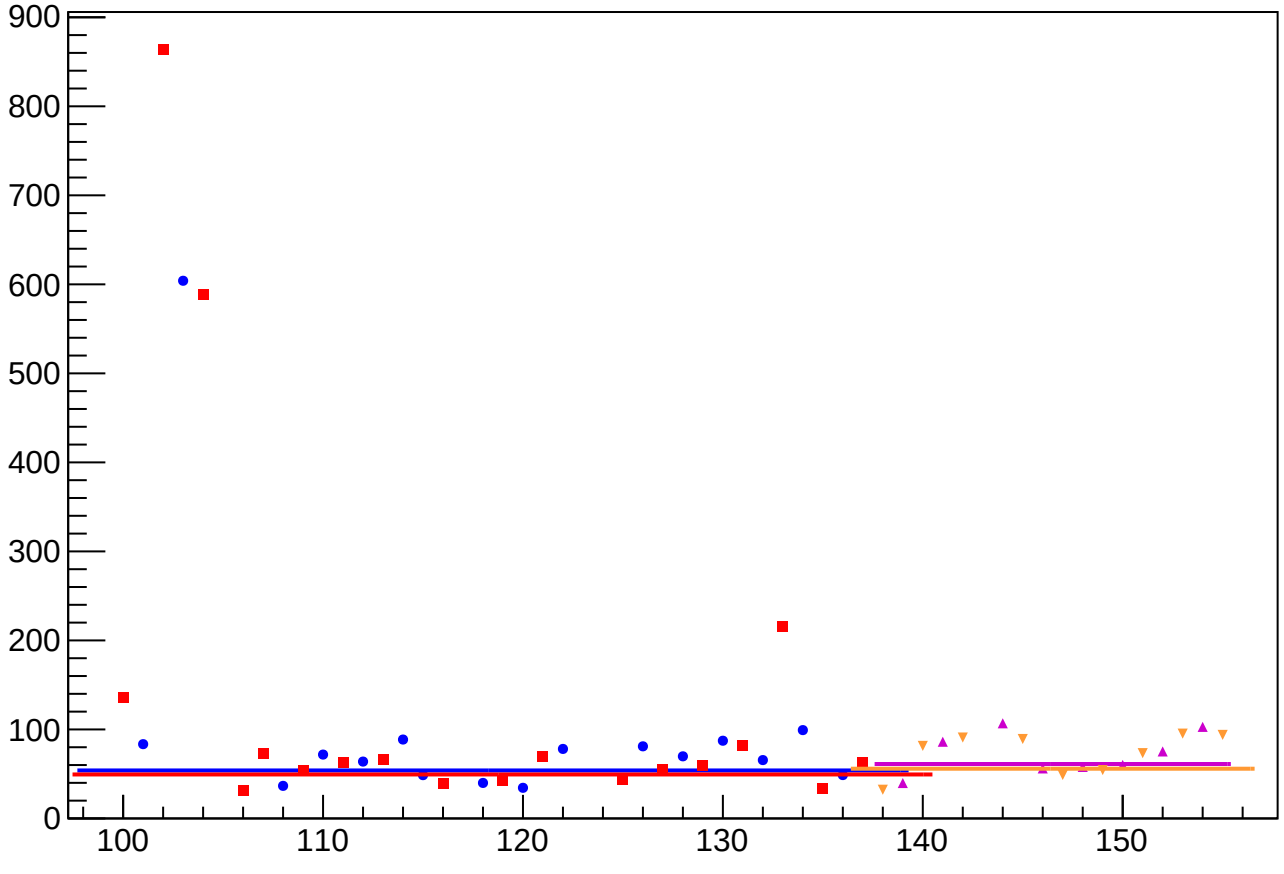
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.000+/-0.017 χ^2/NDF:14.5/23

Out: 0.019+/-0.016 χ^2/NDF:42.8/26

All: 0.010+/-0.012 χ^2/NDF: 58.0/50

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: 55.873+/-0.017 χ^2/NDF:1839111.9/8

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 61.166+/-0.018 χ^2/NDF:1217577.6/7

Left: 58.355+/-0.012 χ^2/NDF: 3103568.3/16

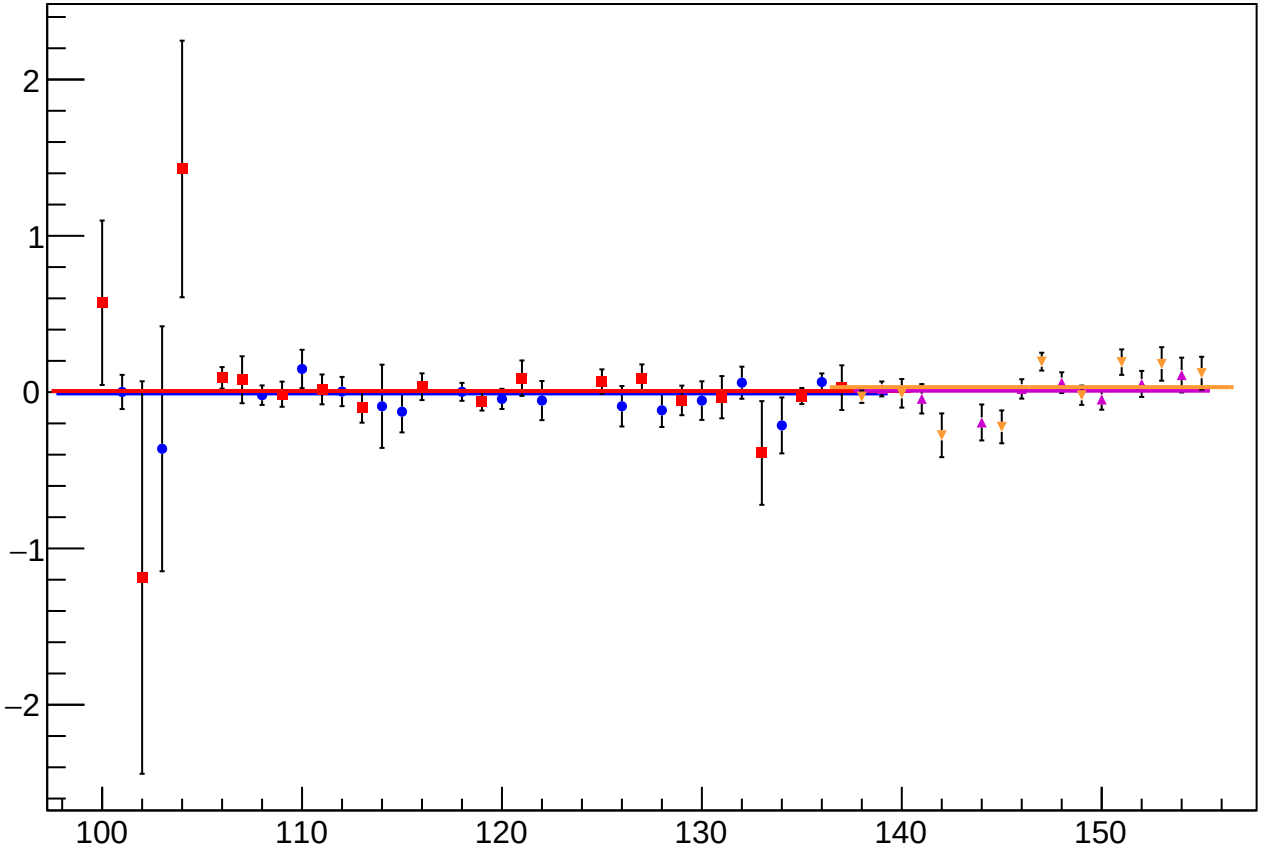
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 57.234+/-0.012 χ^2/NDF:3521617.5/23

Out: 52.443+/-0.011 χ^2/NDF:4935852.1/26

All: 54.719+/-0.008 χ^2/NDF: 8540534.8/50

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: 0.032+/-0.024 χ^2/NDF:28.6/8

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.009+/-0.025 χ^2/NDF:5.9/7

Left: 0.021+/-0.017 χ^2/NDF: 34.9/16

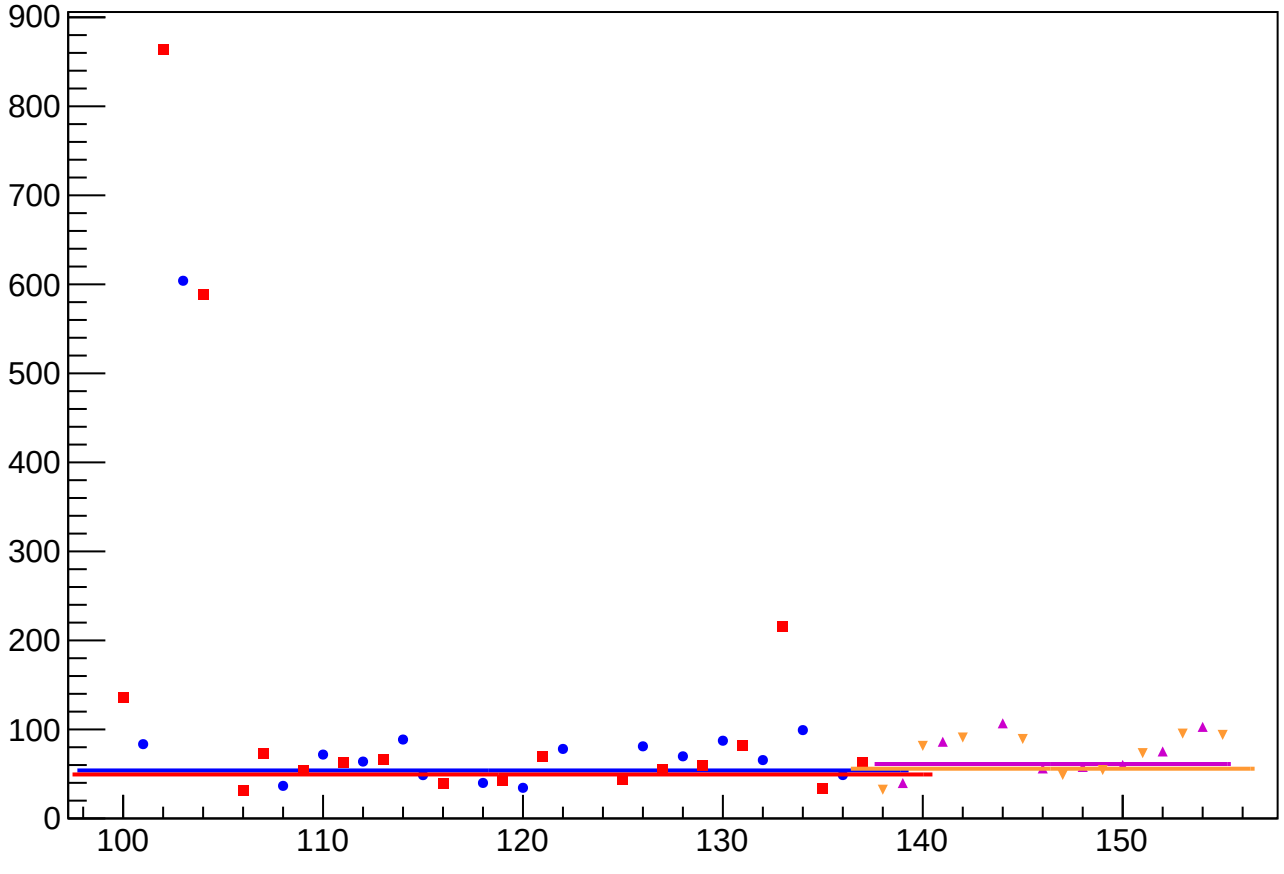
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.000+/-0.017 χ^2/NDF:14.5/23

Out: 0.019+/-0.016 χ^2/NDF:42.8/26

All: 0.010+/-0.012 χ^2/NDF: 58.0/50

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: 55.873+/-0.017 χ^2/NDF:1839111.9/8

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 61.166+/-0.018 χ^2/NDF:1217577.6/7

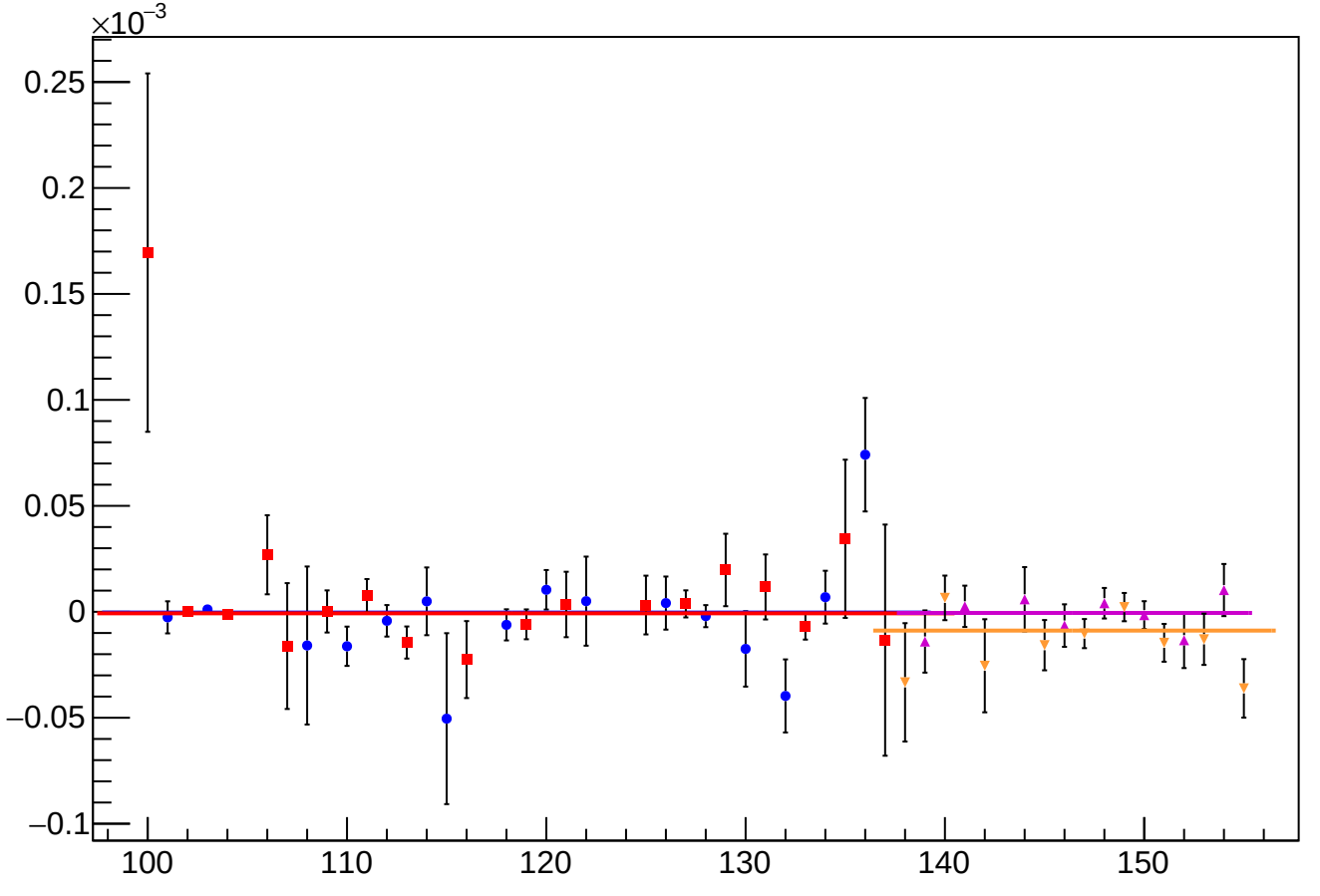
Left: 58.355+/-0.012 χ^2/NDF: 3103568.3/16

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 57.234+/-0.012 χ^2/NDF:3521617.5/23

Out: 52.443+/-0.011 χ^2/NDF:4935852.1/26

All: 54.719+/-0.008 χ^2/NDF: 8540534.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.1/8

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: -0.000+/-0.000 χ^2/NDF:3.6/7

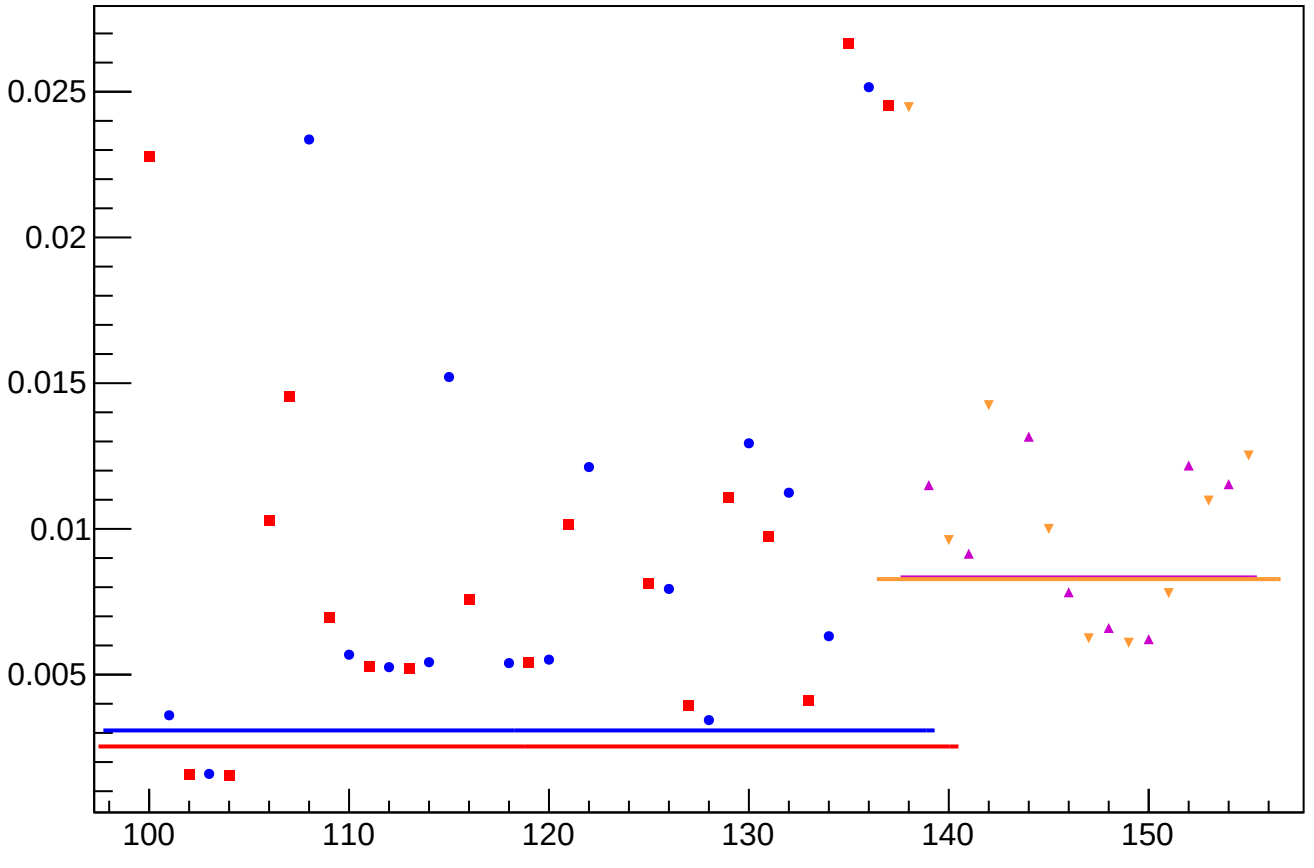
Left: -0.000+/-0.000 χ^2/NDF: 17.7/16

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: -0.000+/-0.000 χ^2/NDF:25.8/23

Out: -0.000+/-0.000 χ^2/NDF:34.0/26

All: -0.000+/-0.000 χ^2/NDF: 60.3/50



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:1578122.9/8

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.008+/-0.000 χ^2/NDF:944212.7/7

Left: 0.008+/-0.000 χ^2/NDF: 2522630.7/16

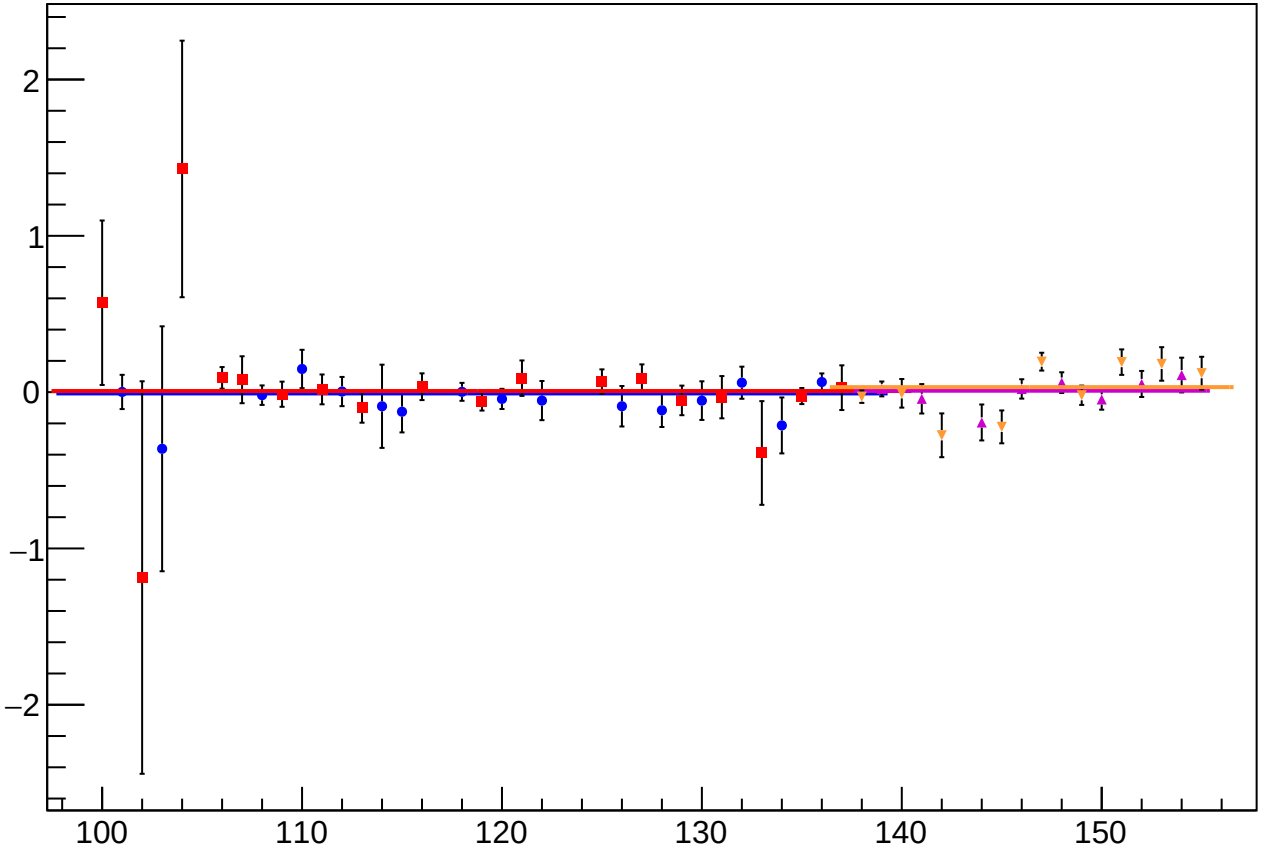
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:10526095.9/23

Out: 0.003+/-0.000 χ^2/NDF:12890219.7/26

All: 0.004+/-0.000 χ^2/NDF: 23766596.5/50

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: 0.032+/-0.024 χ^2/NDF:28.6/8

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.009+/-0.025 χ^2/NDF:5.9/7

Left: 0.021+/-0.017 χ^2/NDF: 34.9/16

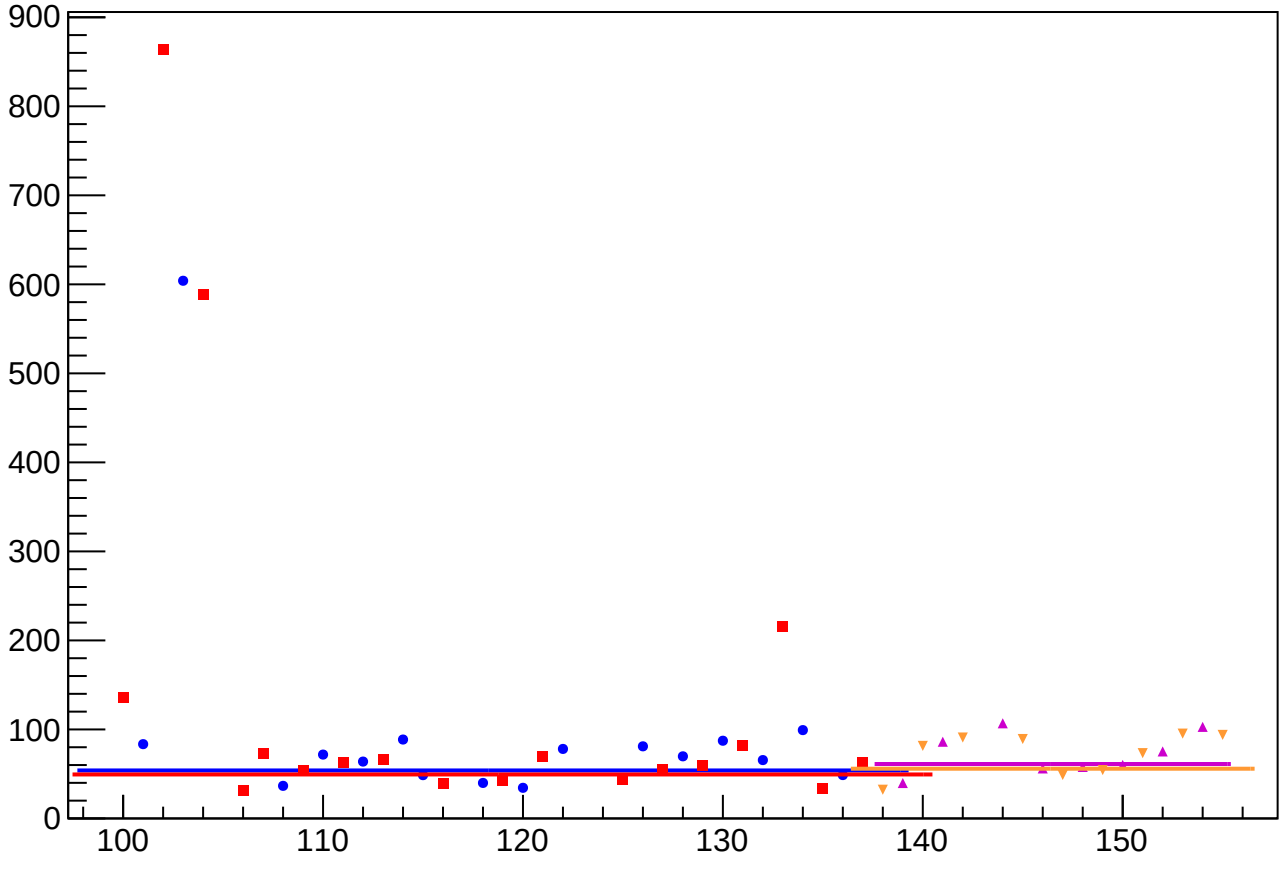
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.000+/-0.017 χ^2/NDF:14.5/23

Out: 0.019+/-0.016 χ^2/NDF:42.8/26

All: 0.010+/-0.012 χ^2/NDF: 58.0/50

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: 55.878+/-0.017 χ^2/NDF:1838447.1/8

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 61.165+/-0.018 χ^2/NDF:1217701.1/7

Left: 58.357+/-0.012 χ^2/NDF: 3102938.2/16

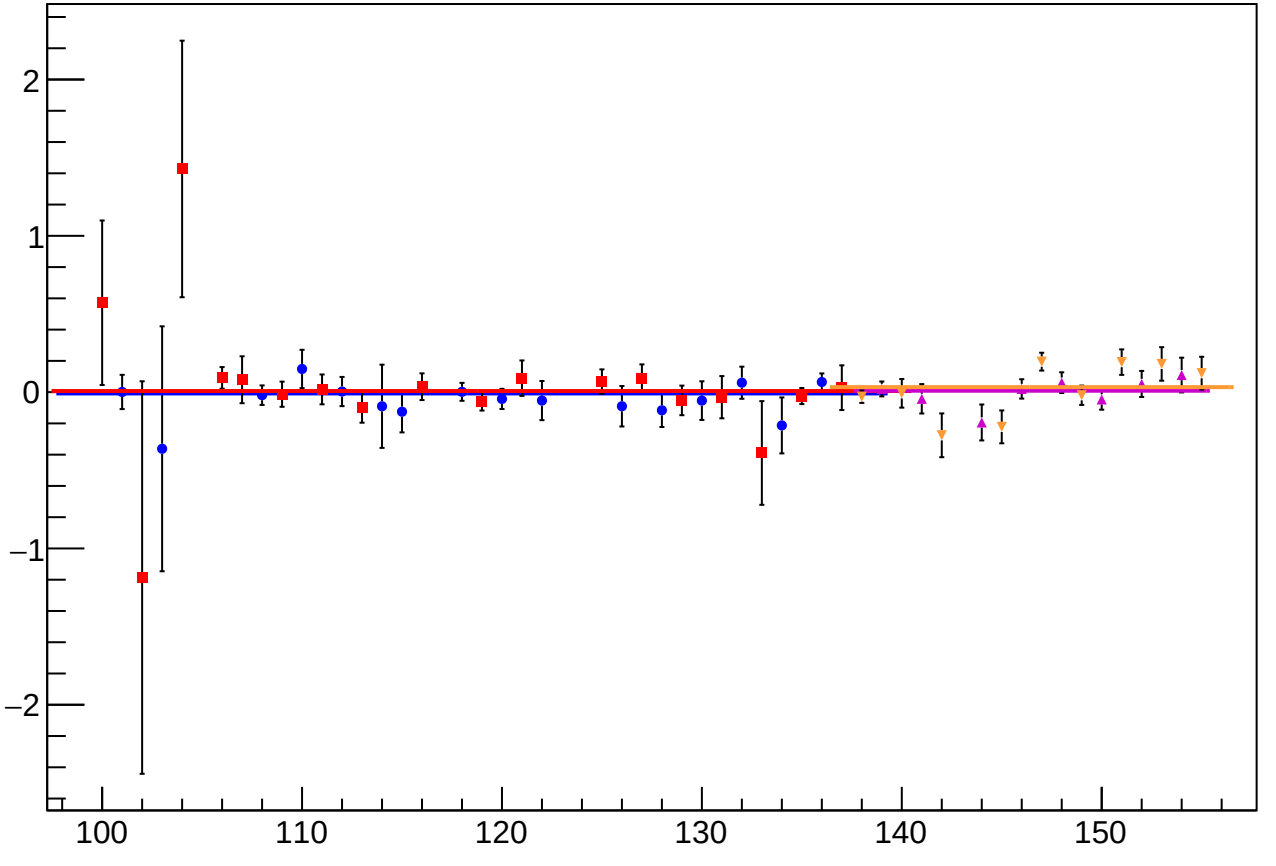
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 57.235+/-0.012 χ^2/NDF:3521237.6/23

Out: 52.446+/-0.011 χ^2/NDF:4934954.2/26

All: 54.722+/-0.008 χ^2/NDF: 8539207.0/50

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: 0.032+/-0.024 χ^2/NDF:28.6/8

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.009+/-0.025 χ^2/NDF:5.9/7

Left: 0.021+/-0.017 χ^2/NDF: 34.9/16

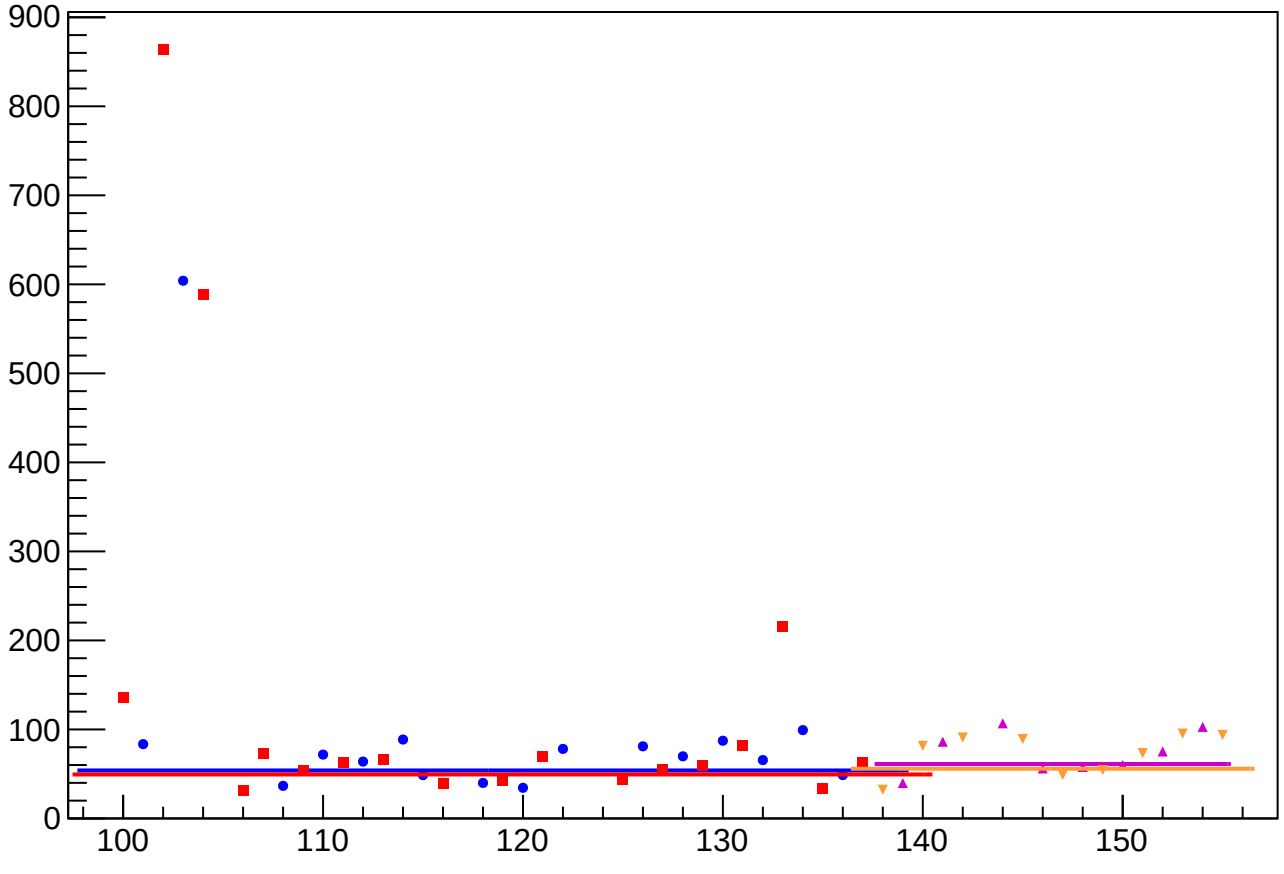
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.000+/-0.017 χ^2/NDF:14.5/23

Out: 0.019+/-0.016 χ^2/NDF:42.8/26

All: 0.010+/-0.012 χ^2/NDF: 58.0/50

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: 55.878+/-0.017 χ^2/NDF:1838447.1/8

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 61.165+/-0.018 χ^2/NDF:1217701.1/7

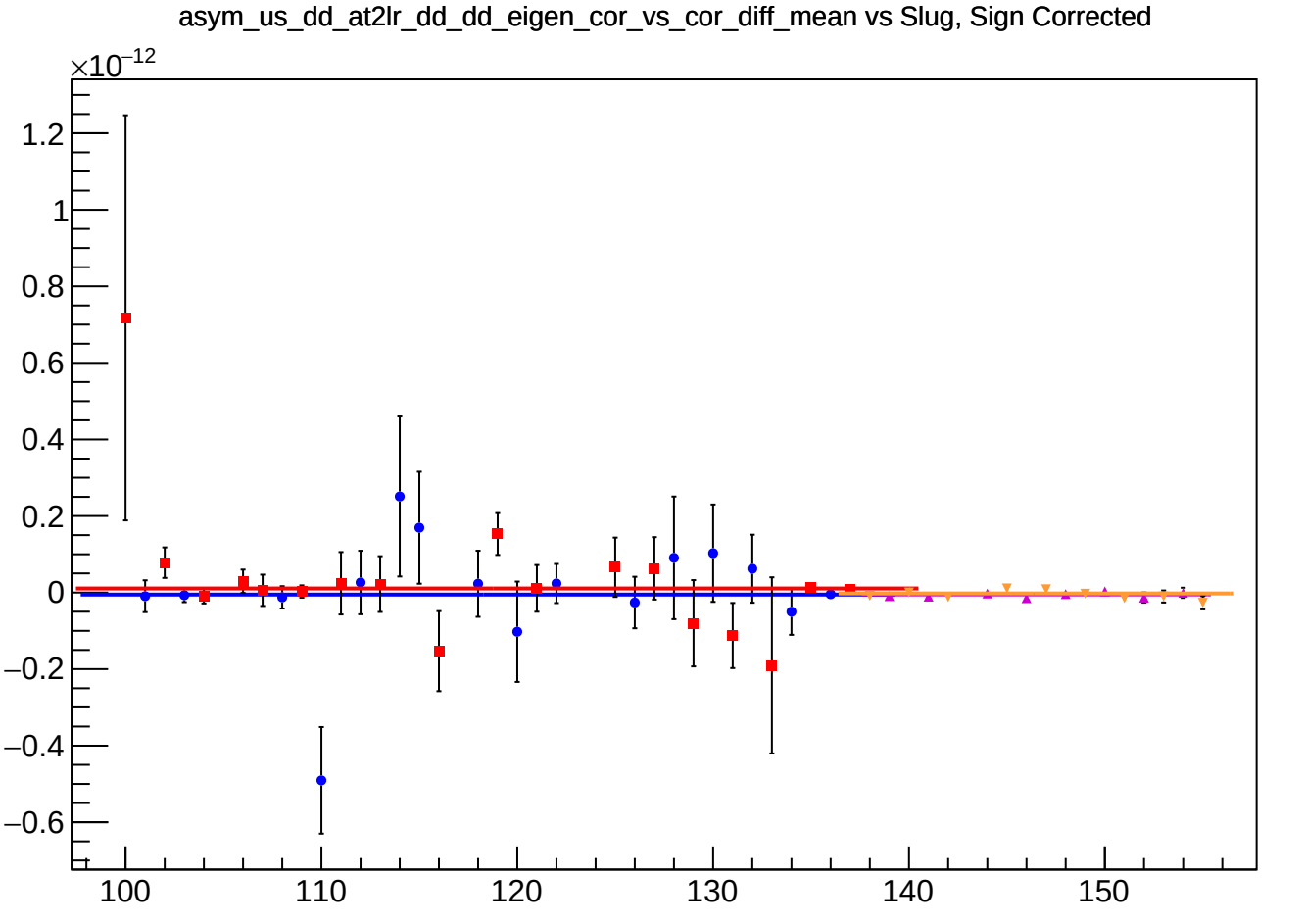
Left: 58.357+/-0.012 χ^2/NDF: 3102938.2/16

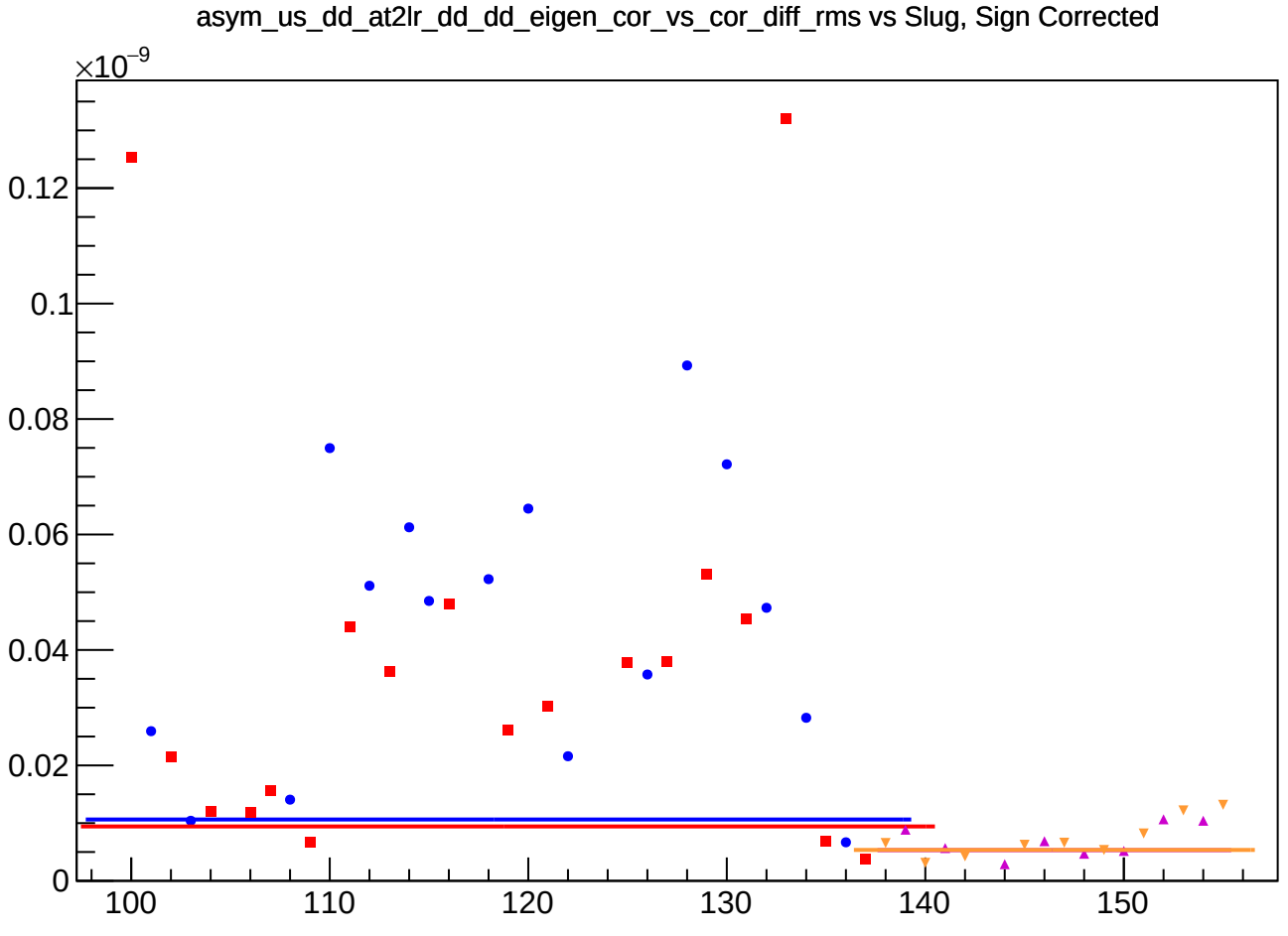
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 57.235+/-0.012 χ^2/NDF:3521237.6/23

Out: 52.446+/-0.011 χ^2/NDF:4934954.2/26

All: 54.722+/-0.008 χ^2/NDF: 8539207.0/50


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:9.8/8
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/17
Left In: -0.000+/-0.000 χ²/NDF:4.3/7
Left: -0.000+/-0.000 χ²/NDF: 14.5/16
Right: 0.000+/-0.000 χ²/NDF: 41.5/33
In: -0.000+/-0.000 χ²/NDF:22.9/23
Out: -0.000+/-0.000 χ²/NDF:33.3/26
All: -0.000+/-0.000 χ²/NDF: 57.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1535462.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1396022.5/7

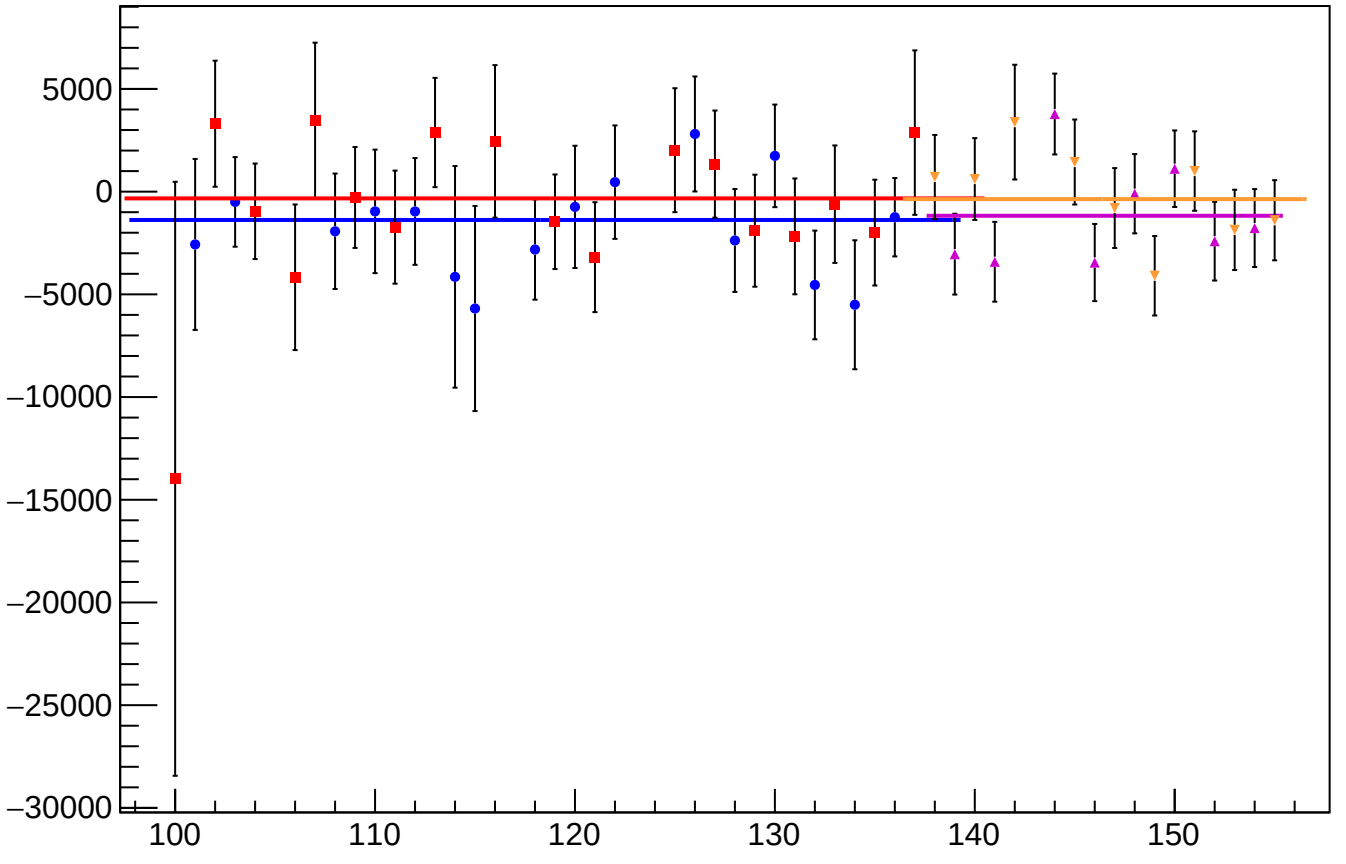
Left: 0.000+/-0.000 χ^2/NDF: 2931664.4/16

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:6994622.8/23

Out: 0.000+/-0.000 χ^2/NDF:6240212.2/26

All: 0.000+/-0.000 χ^2/NDF: 13235913.8/50



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -364.540+/-677.826 χ^2/NDF:8.2/8

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -1173.534+/-678.535 χ^2/NDF:12.4/7

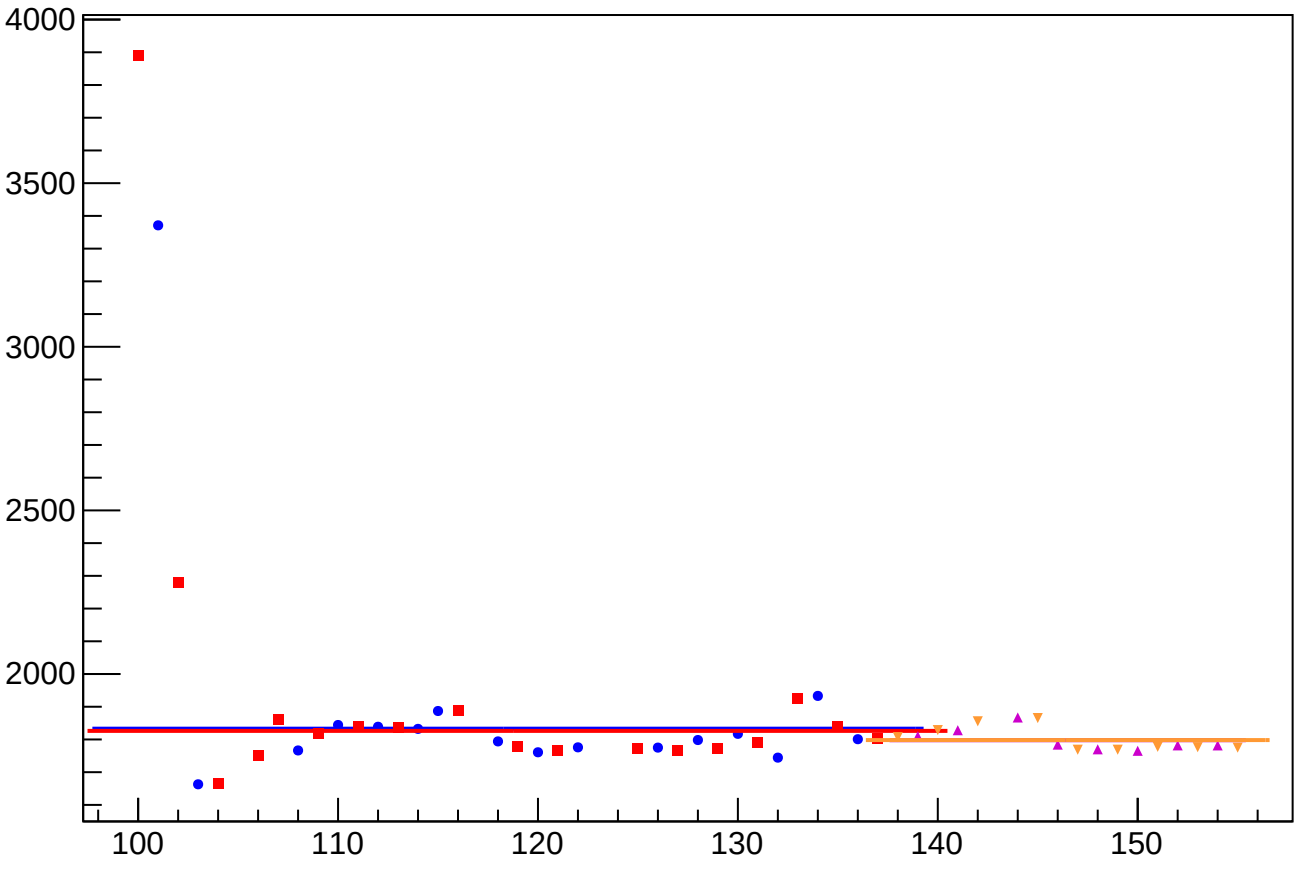
Left: -768.615+/-479.546 χ^2/NDF: 21.3/16

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

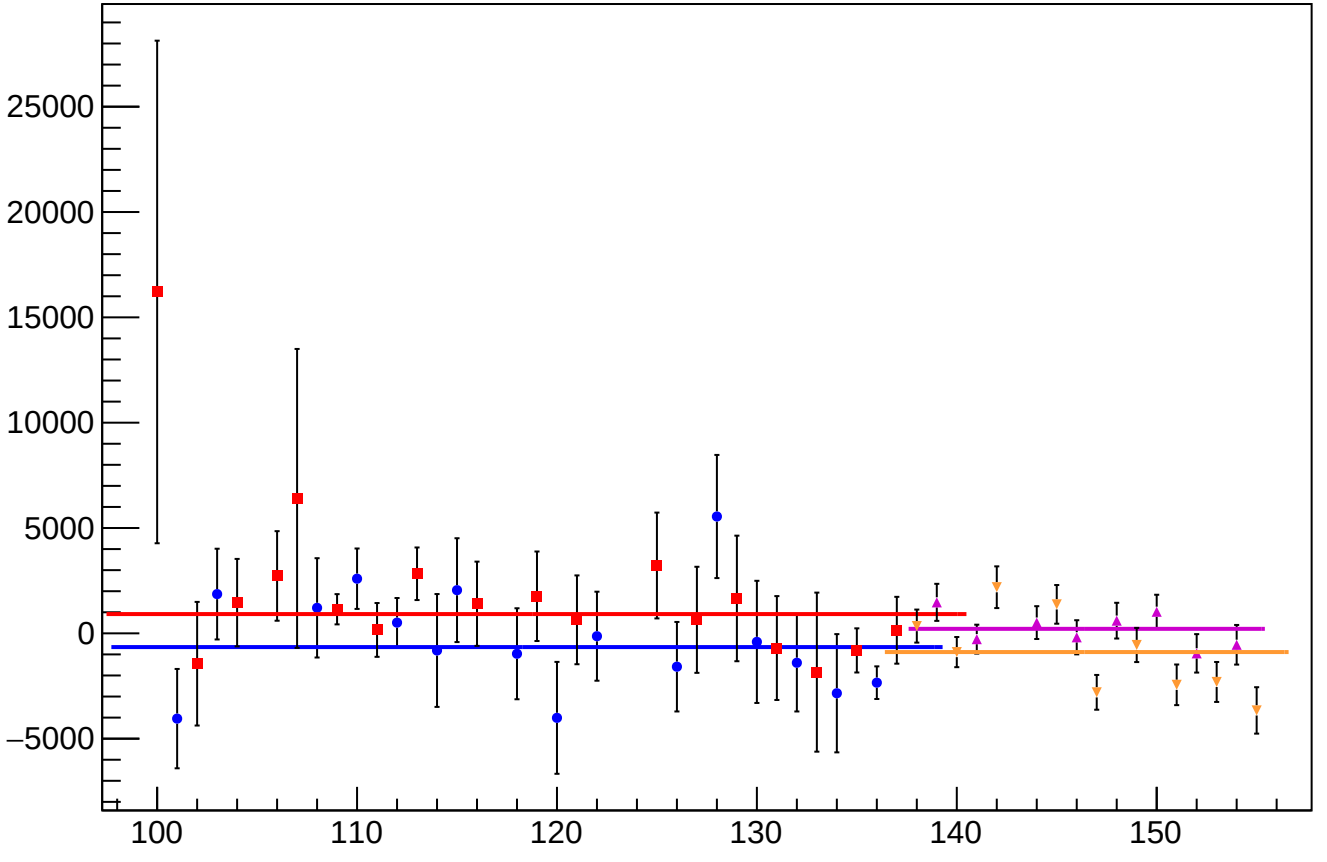
In: -1274.572+/-483.464 χ^2/NDF:21.7/23

Out: -346.814+/-481.424 χ^2/NDF:19.3/26

All: -808.731+/-341.137 χ^2/NDF: 42.8/50


reg_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 1832.947+/-0.487 χ²/NDF: 295439.4/15
Left Out: 1798.102+/-0.479 χ²/NDF:5140.6/8
Right Out: 1826.208+/-0.484 χ²/NDF: 103006.6/17
Left In: 1797.675+/-0.480 χ²/NDF:4458.6/7
Left: 1797.888+/-0.339 χ²/NDF: 9599.6/16
Right: 1829.552+/-0.343 χ²/NDF: 398542.3/33
In: 1815.040+/-0.342 χ²/NDF:302558.7/23
Out: 1812.030+/-0.340 χ²/NDF:109851.3/26
All: 1813.529+/-0.241 χ²/NDF: 412448.9/50

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -888.161+/-291.309 χ^2/NDF:34.9/8

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 213.736+/-290.540 χ^2/NDF:6.4/7

Left: -335.757+/-205.714 χ^2/NDF: 48.5/16

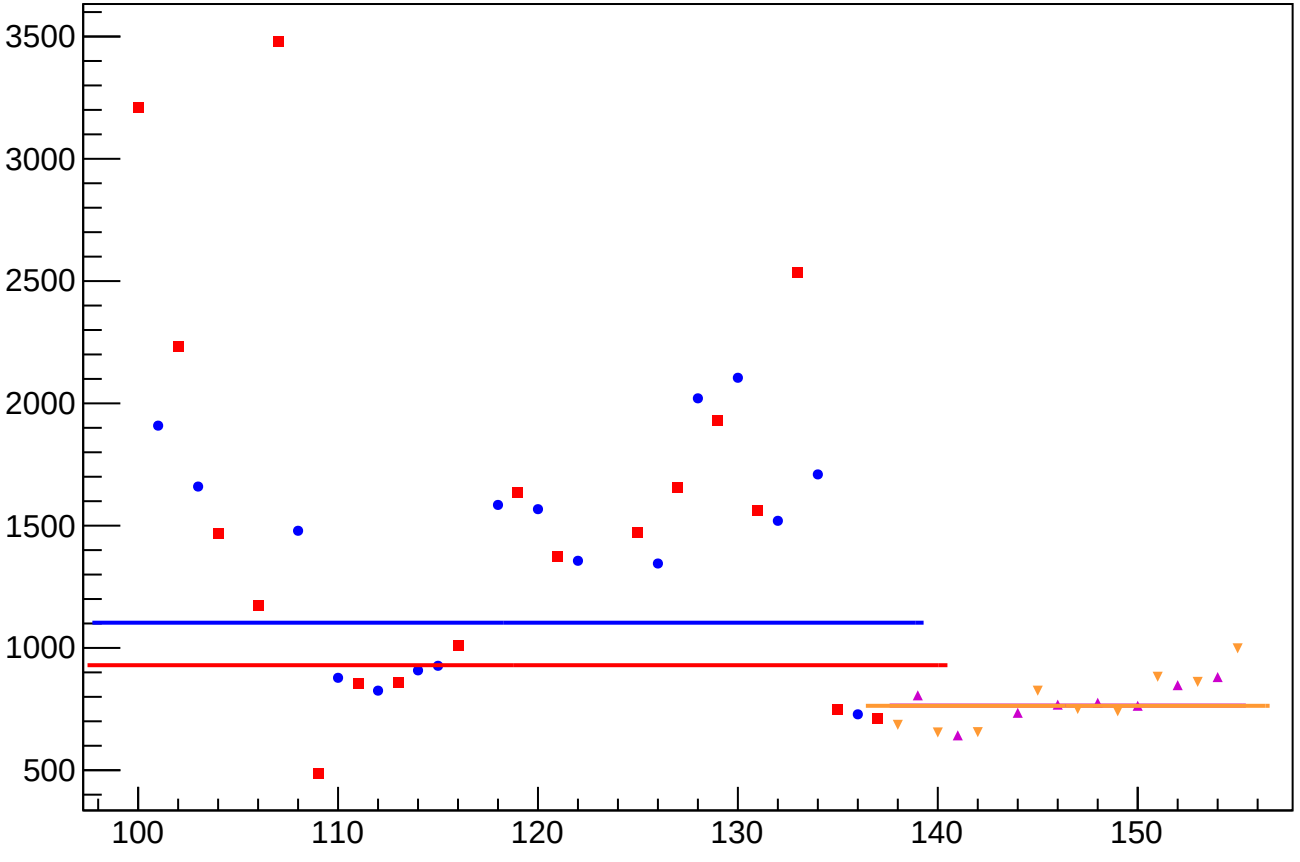
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -47.343+/-242.807 χ^2/NDF:32.3/23

Out: -249.733+/-234.116 χ^2/NDF:60.0/26

All: -152.225+/-168.534 χ^2/NDF: 92.7/50

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: 763.338+/-0.206 χ^2/NDF:243467.4/8

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 764.308+/-0.205 χ^2/NDF:118262.2/7

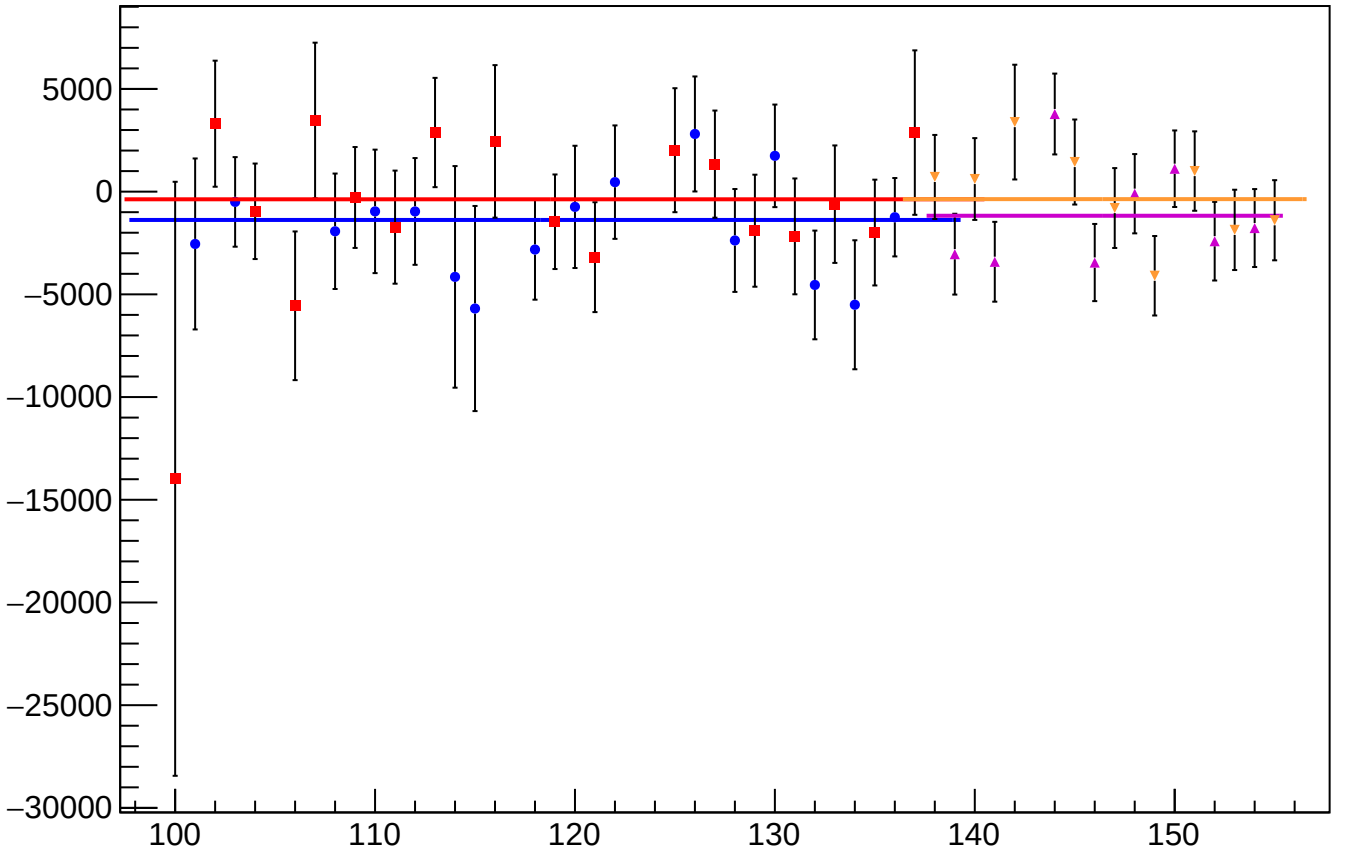
Left: 763.824+/-0.145 χ^2/NDF: 361740.7/16

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 866.509+/-0.172 χ^2/NDF:2817002.9/23

Out: 822.128+/-0.166 χ^2/NDF:3527589.0/26

All: 843.510+/-0.119 χ^2/NDF: 6379218.7/50



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -364.482+/-677.826 χ^2/NDF:8.2/8

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1173.468+/-678.535 χ^2/NDF:12.4/7

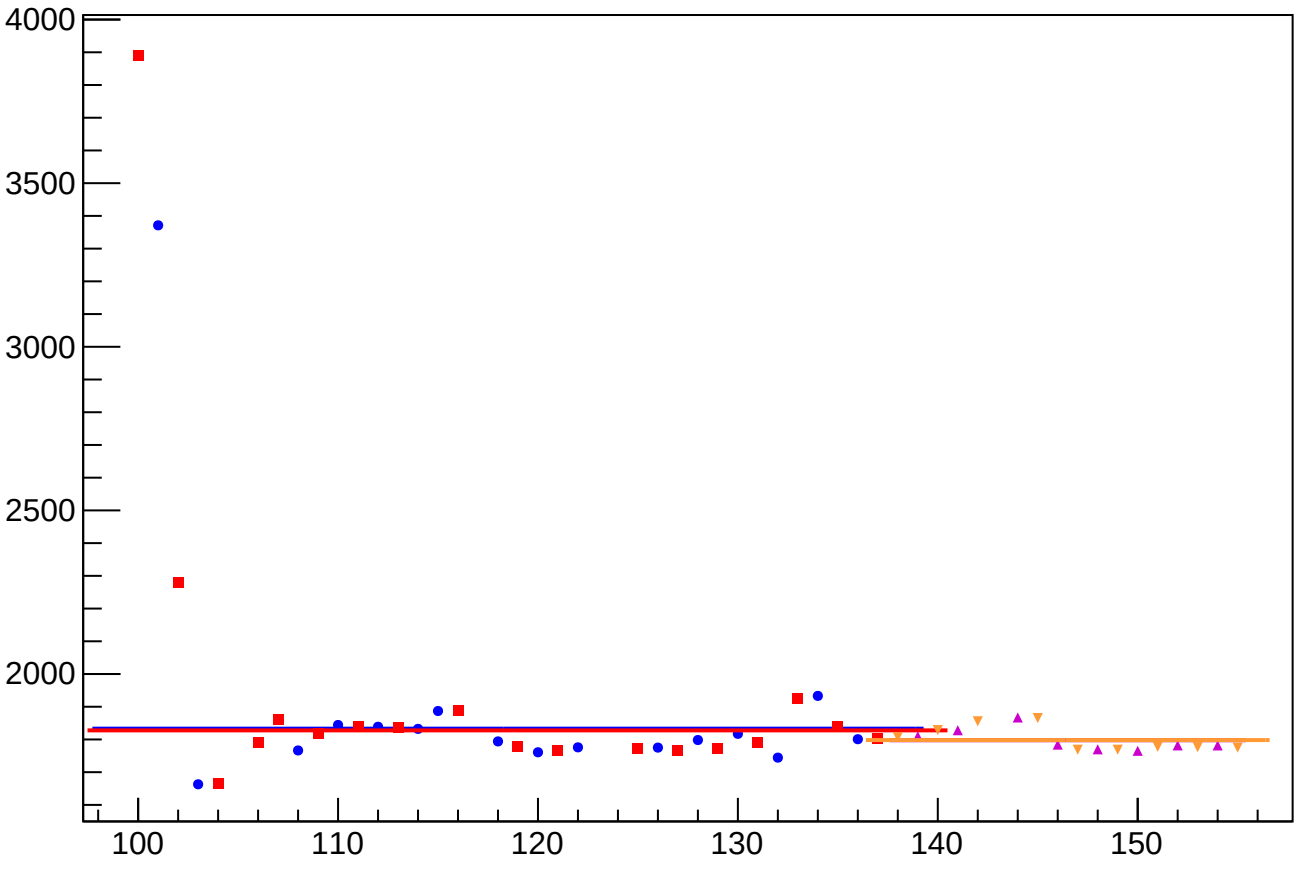
Left: -768.552+/-479.546 χ^2/NDF: 21.3/16

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1274.230+/-483.465 χ^2/NDF:21.7/23

Out: -368.469+/-481.606 χ^2/NDF:20.2/26

All: -819.605+/-341.202 χ^2/NDF: 43.6/50



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1798.102+/-0.479 χ^2/NDF:5140.6/8

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1797.675+/-0.480 χ^2/NDF:4458.6/7

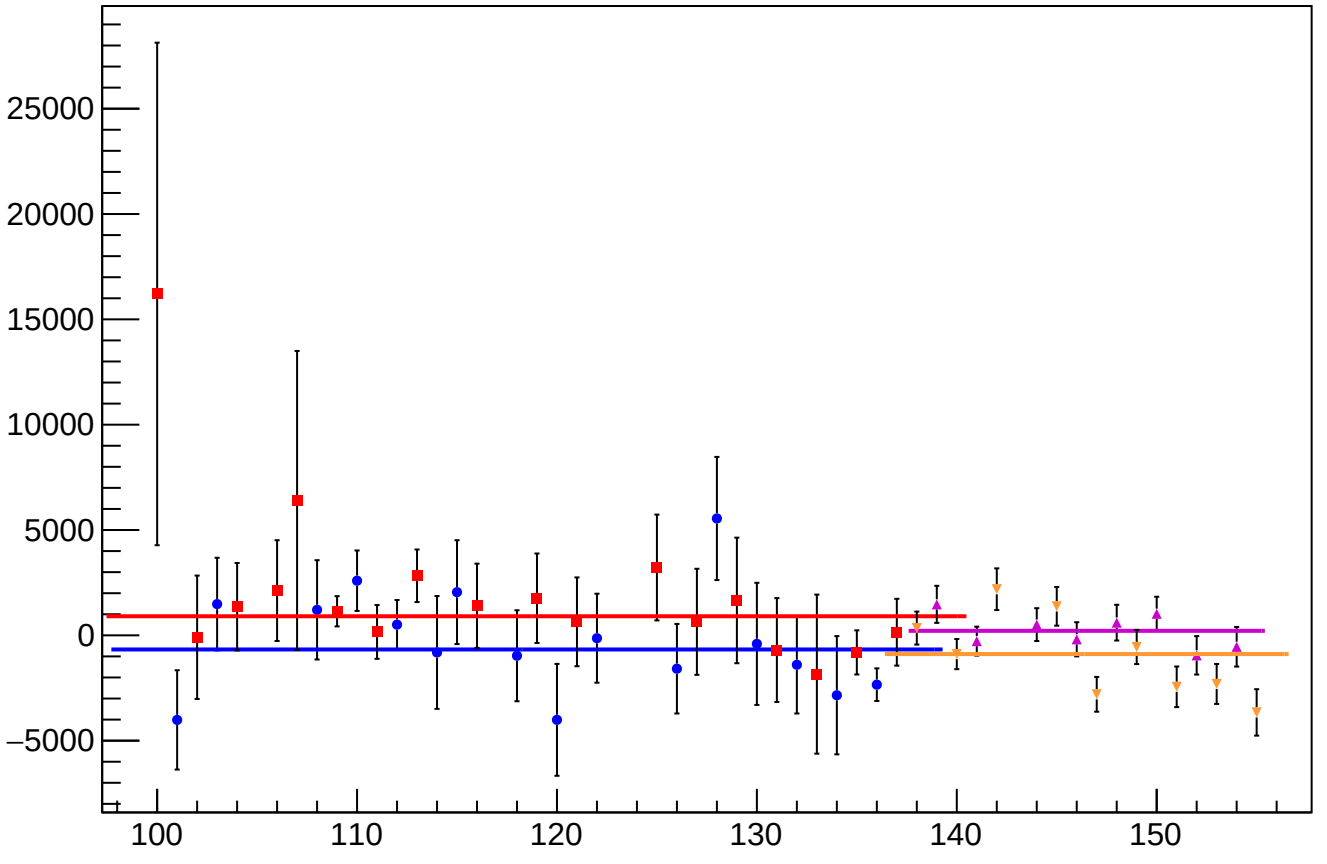
Left: 1797.888+/-0.339 χ^2/NDF: 9599.6/16

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1815.040+/-0.342 χ^2/NDF:302560.5/23

Out: 1812.800+/-0.341 χ^2/NDF:109310.1/26

All: 1813.916+/-0.241 χ^2/NDF: 411892.2/50



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -888.196+/-291.311 χ^2/NDF:34.9/8

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 213.704+/-290.541 χ^2/NDF:6.4/7

Left: -335.789+/-205.715 χ^2/NDF: 48.5/16

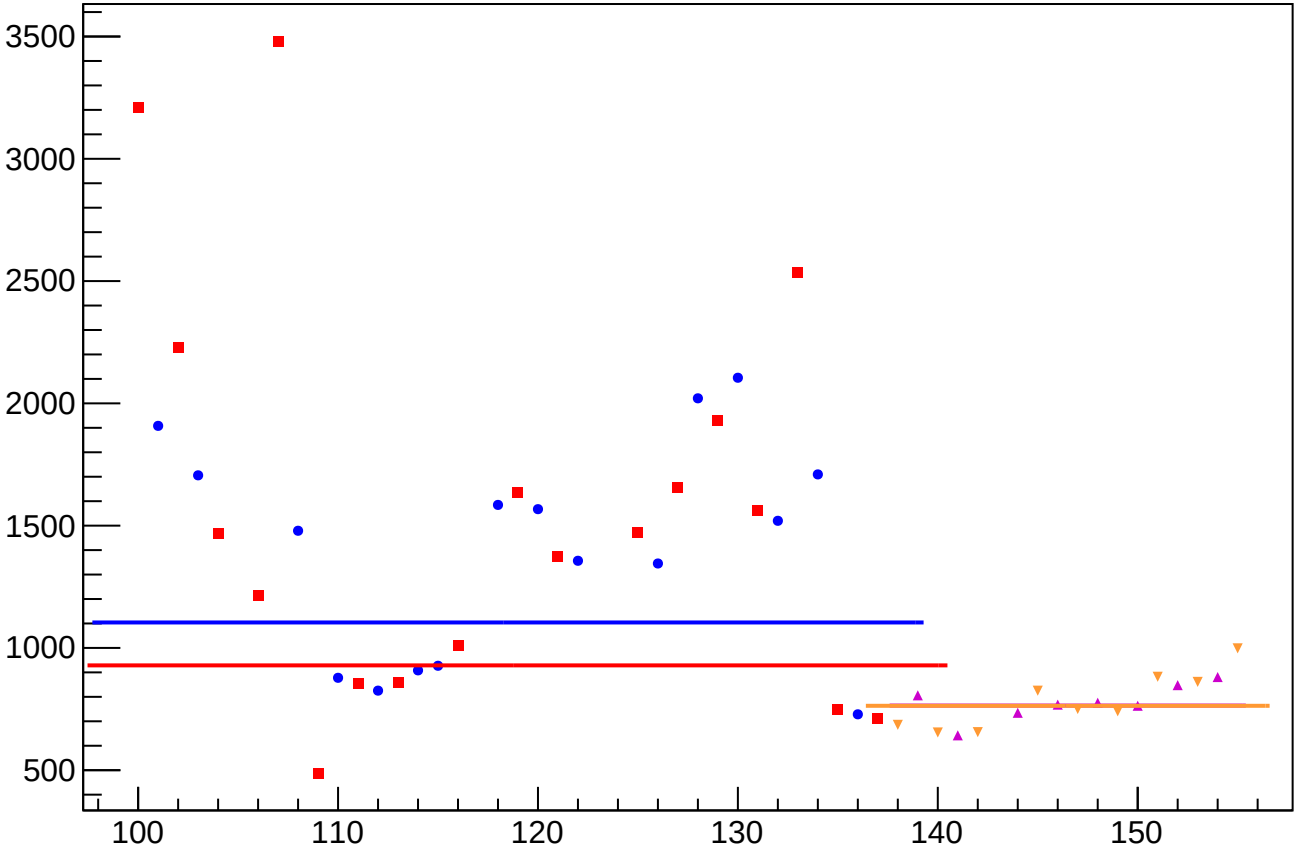
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -52.663+/-242.869 χ^2/NDF:32.0/23

Out: -255.779+/-234.409 χ^2/NDF:58.8/26

All: -157.820+/-168.664 χ^2/NDF: 91.1/50

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: 763.344+/-0.206 χ^2/NDF:243442.4/8

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 764.310+/-0.205 χ^2/NDF:118300.3/7

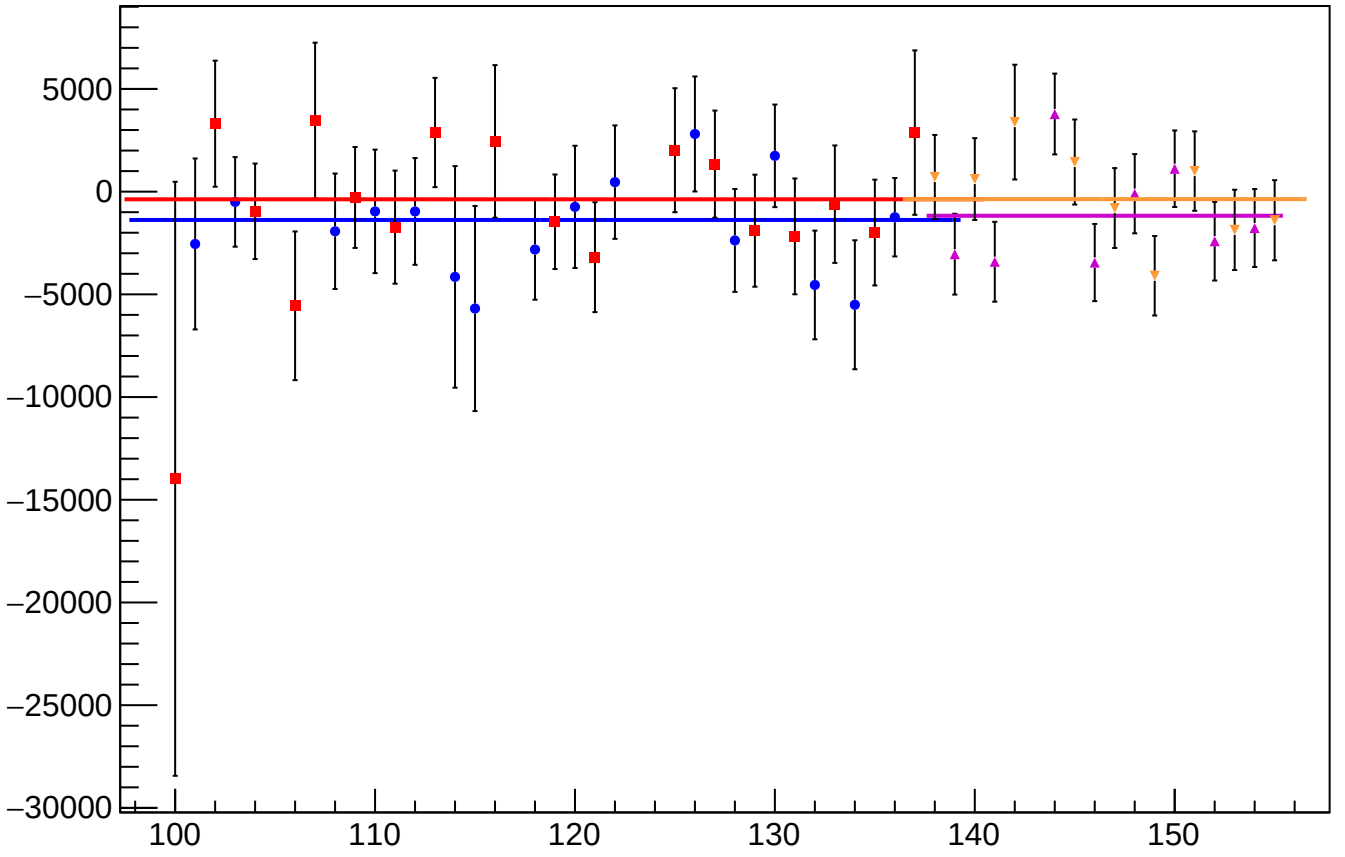
Left: 763.828+/-0.145 χ^2/NDF: 361753.8/16

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 866.668+/-0.172 χ^2/NDF:2836827.8/23

Out: 821.608+/-0.166 χ^2/NDF:3524782.5/26

All: 843.339+/-0.119 χ^2/NDF: 6397253.0/50



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -364.482+/-677.826 χ^2/NDF:8.2/8

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1173.468+/-678.535 χ^2/NDF:12.4/7

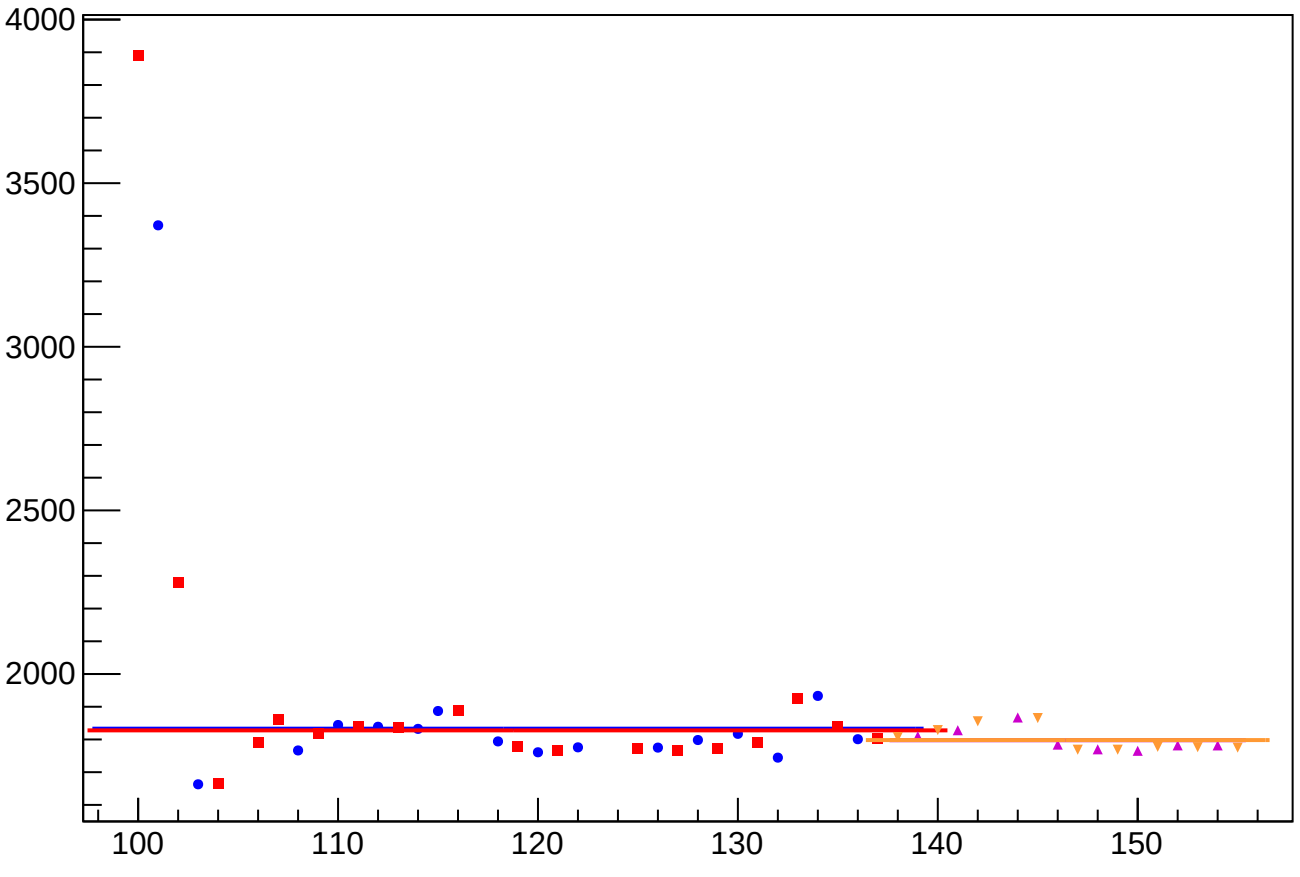
Left: -768.552+/-479.546 χ^2/NDF: 21.3/16

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1274.230+/-483.465 χ^2/NDF:21.7/23

Out: -368.469+/-481.606 χ^2/NDF:20.2/26

All: -819.605+/-341.202 χ^2/NDF: 43.6/50



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1798.102+/-0.479 χ^2/NDF:5140.6/8

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1797.675+/-0.480 χ^2/NDF:4458.6/7

Left: 1797.888+/-0.339 χ^2/NDF: 9599.6/16

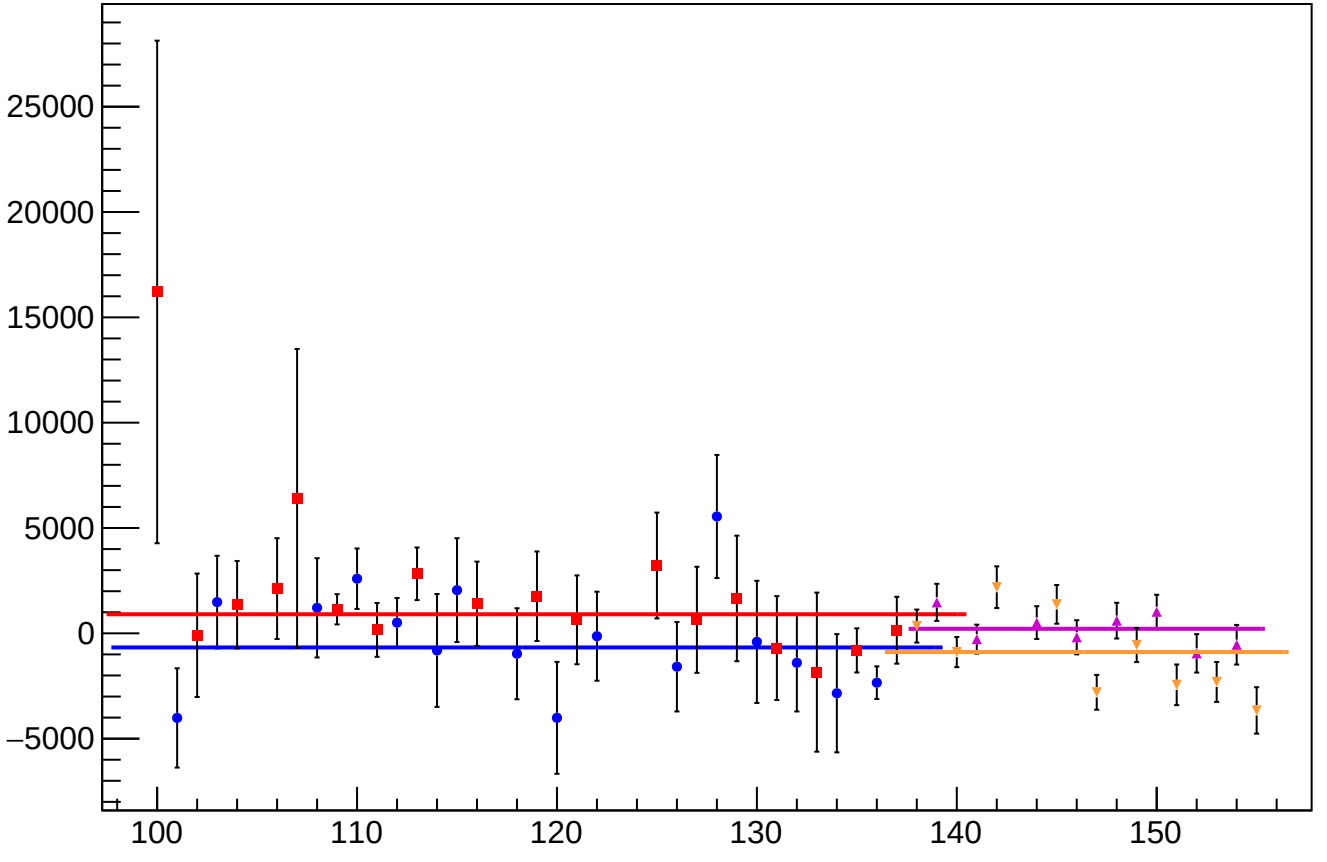
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1815.040+/-0.342 χ^2/NDF:302560.5/23

Out: 1812.800+/-0.341 χ^2/NDF:109310.1/26

All: 1813.916+/-0.241 χ^2/NDF: 411892.2/50

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: -888.196+/-291.311 χ^2/NDF:34.9/8

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 213.704+/-290.541 χ^2/NDF:6.4/7

Left: -335.789+/-205.715 χ^2/NDF: 48.5/16

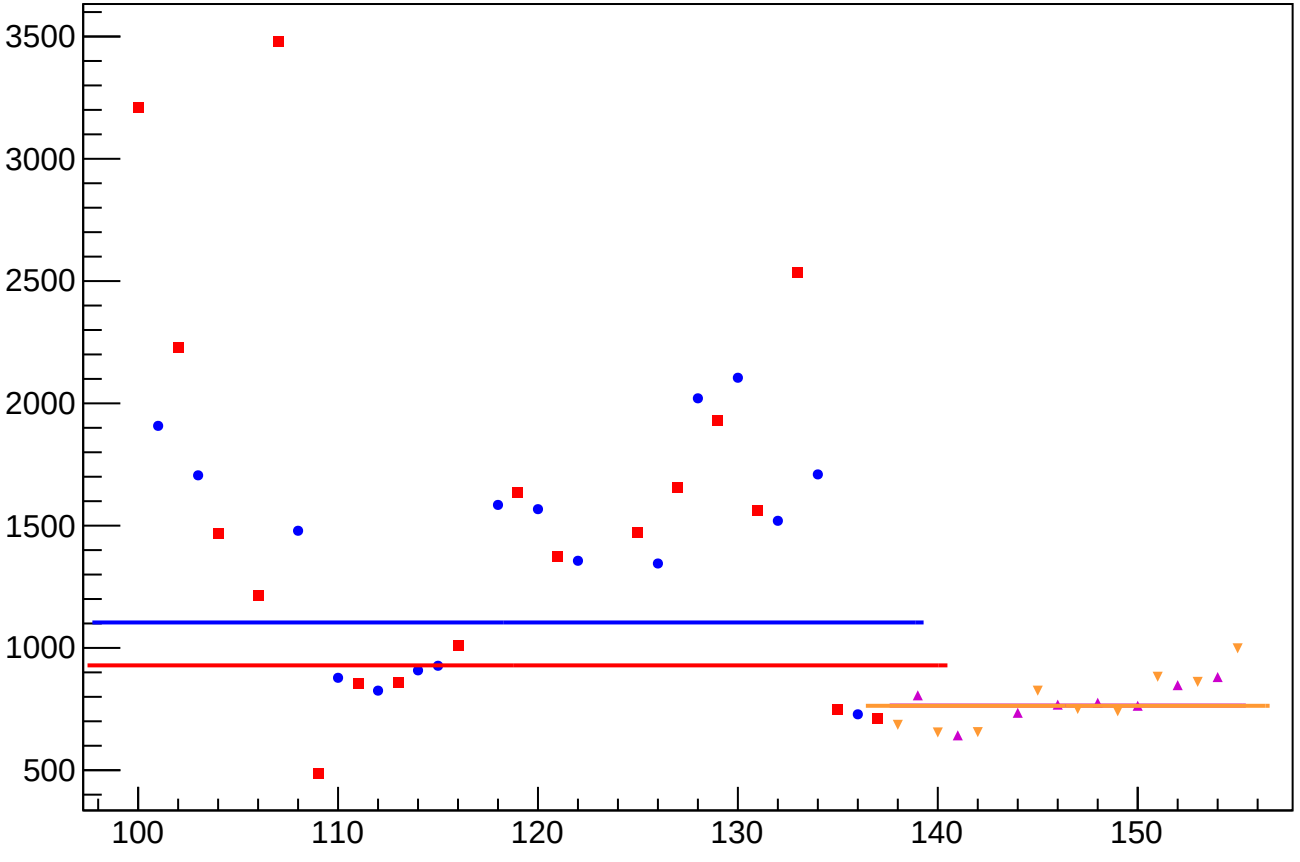
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -52.663+/-242.869 χ^2/NDF:32.0/23

Out: -255.779+/-234.409 χ^2/NDF:58.8/26

All: -157.820+/-168.664 χ^2/NDF: 91.1/50

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: 763.344+/-0.206 χ^2/NDF:243442.4/8

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 764.310+/-0.205 χ^2/NDF:118300.3/7

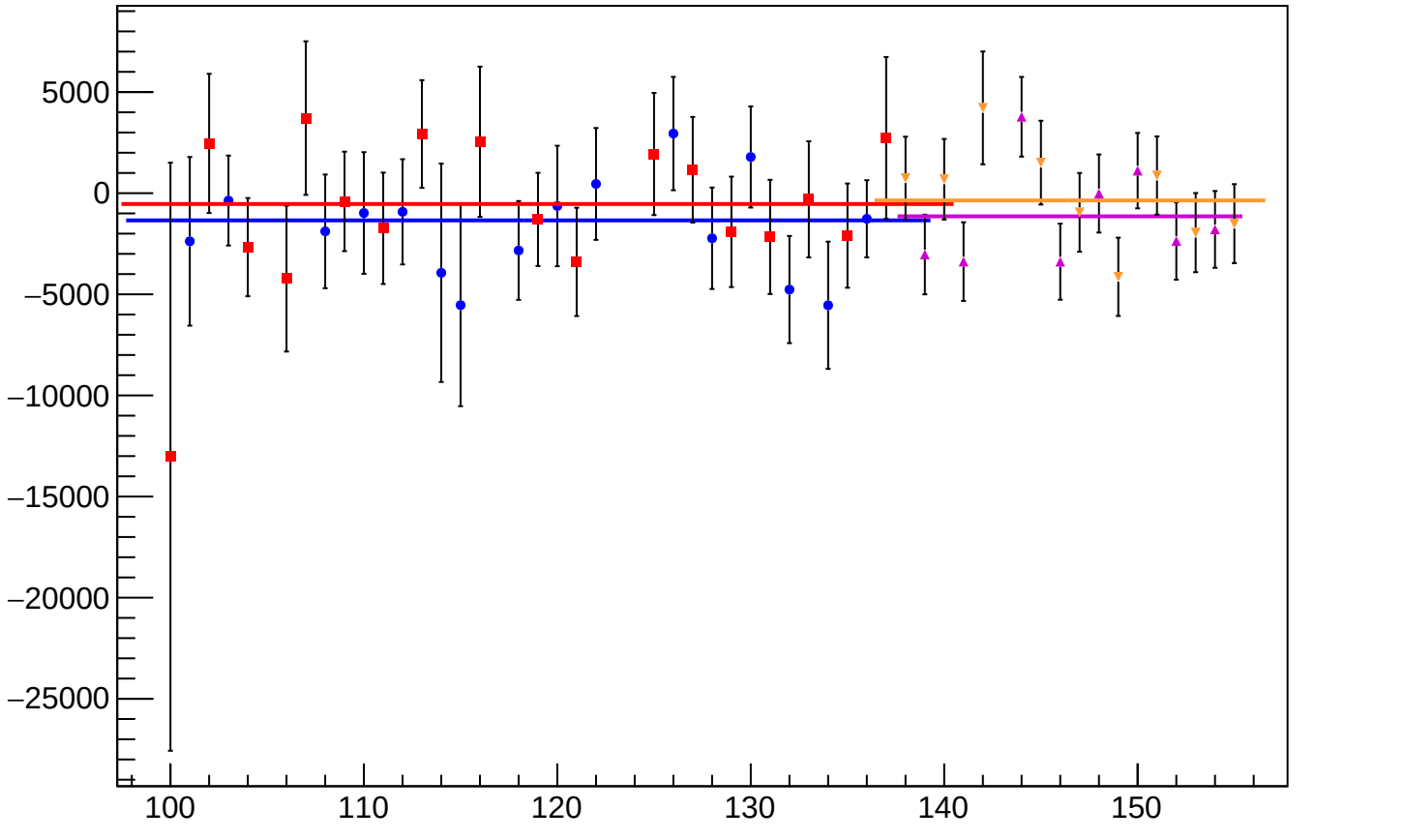
Left: 763.828+/-0.145 χ^2/NDF: 361753.8/16

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 866.668+/-0.172 χ^2/NDF:2836827.8/23

Out: 821.608+/-0.166 χ^2/NDF:3524782.5/26

All: 843.339+/-0.119 χ^2/NDF: 6397253.0/50



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -358.611+/-678.214 χ^2/NDF:9.4/8

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -1144.634+/-678.990 χ^2/NDF:12.2/7

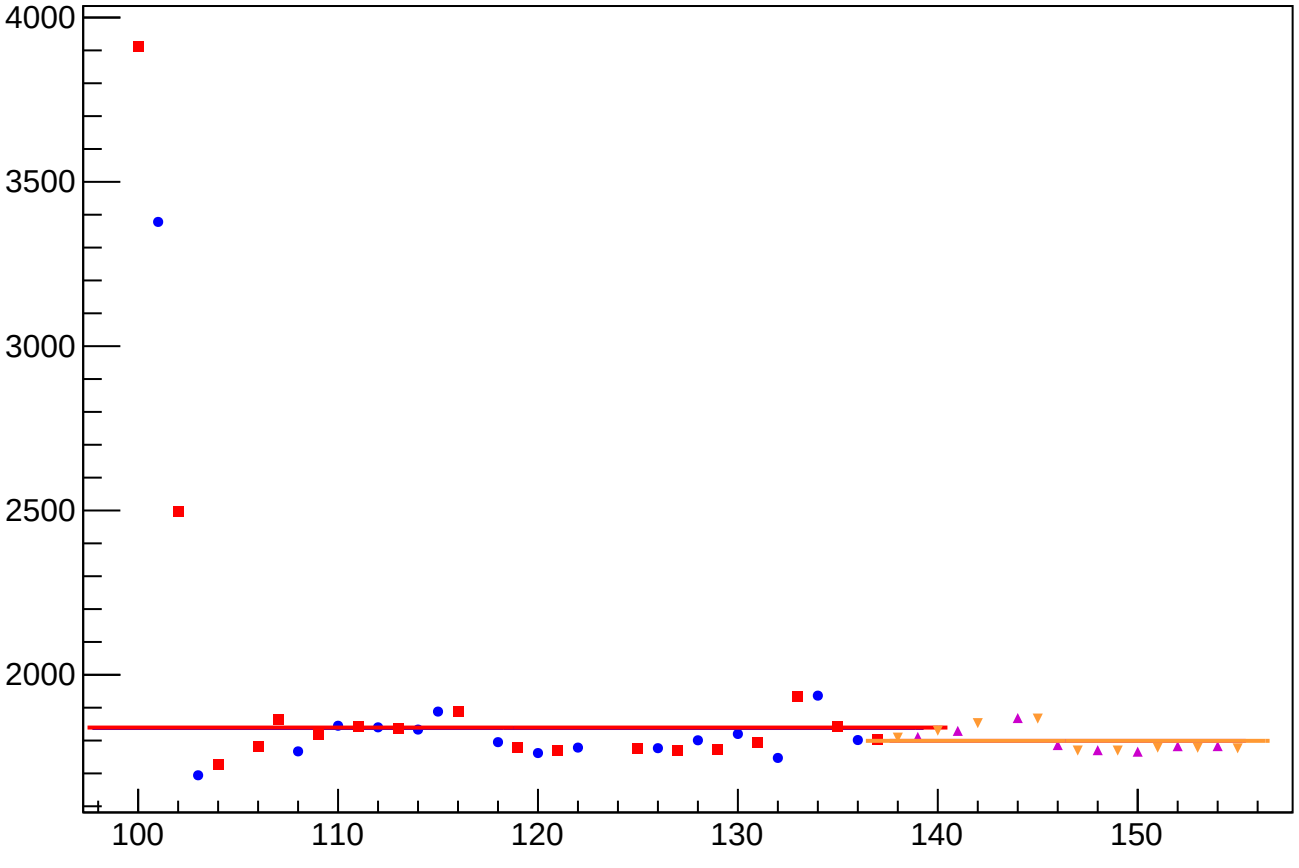
Left: -751.172+/-479.844 χ^2/NDF: 22.3/16

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -1242.554+/-484.288 χ^2/NDF:21.9/23

Out: -444.767+/-484.017 χ^2/NDF:20.5/26

All: -843.437+/-342.347 χ^2/NDF: 43.8/50



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1799.113+/-0.480 χ^2/NDF:5062.3/8

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1798.878+/-0.480 χ^2/NDF:4479.8/7

Left: 1798.995+/-0.339 χ^2/NDF: 9542.2/16

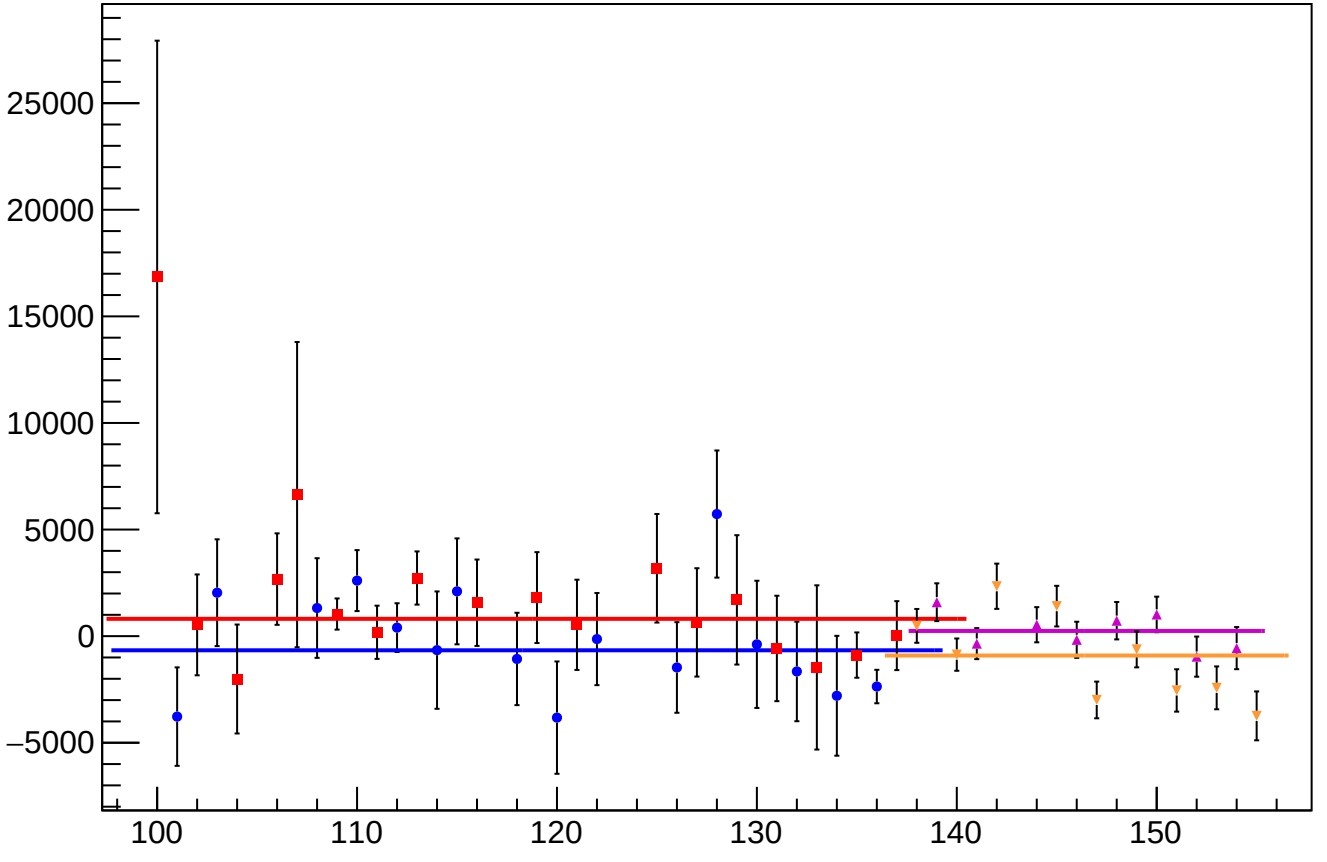
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1818.176+/-0.342 χ^2/NDF:299752.4/23

Out: 1818.939+/-0.342 χ^2/NDF:136798.8/26

All: 1818.558+/-0.242 χ^2/NDF: 436553.7/50

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -909.038+/-303.720 χ^2/NDF:35.4/8

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 243.469+/-302.793 χ^2/NDF:6.8/7

Left: -331.022+/-214.434 χ^2/NDF: 49.4/16

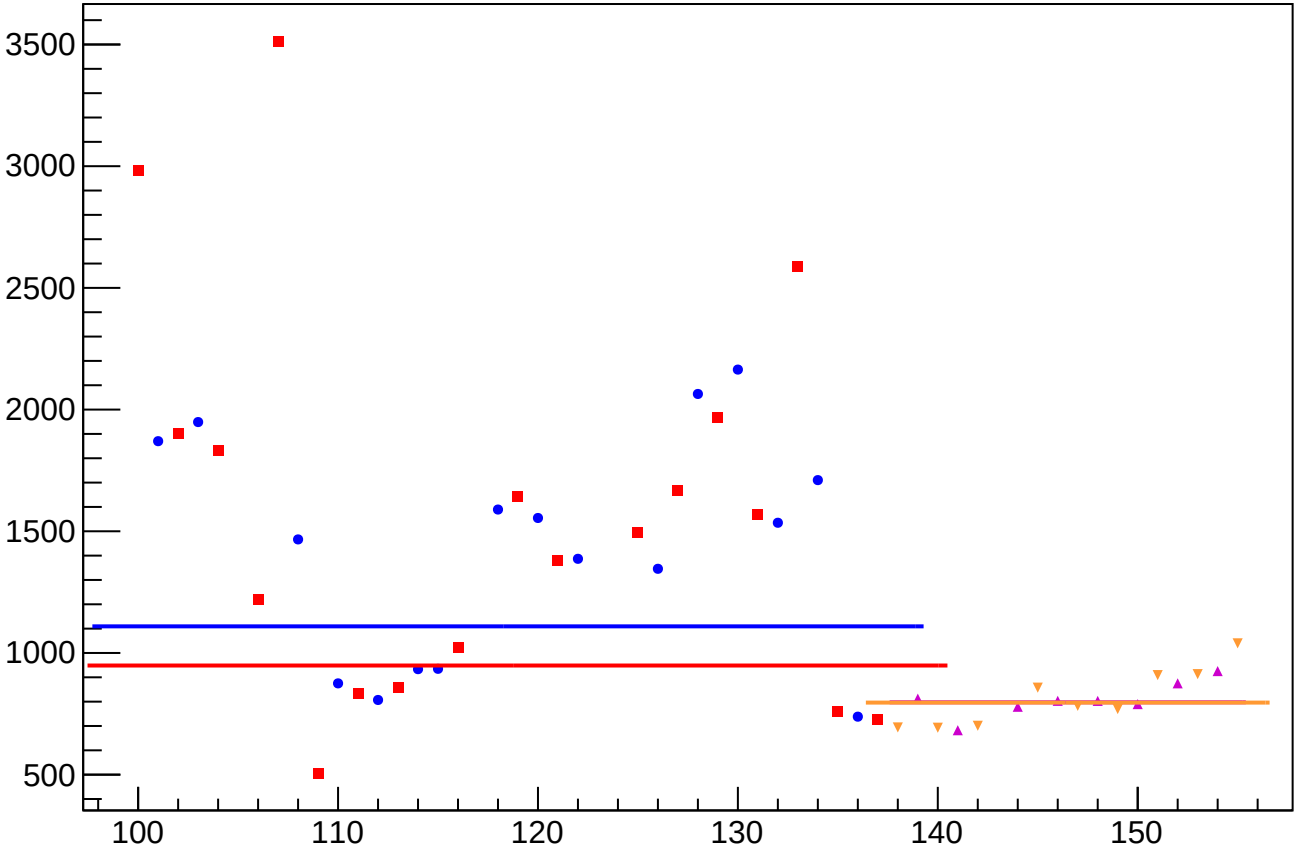
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -42.759+/-250.498 χ^2/NDF:32.4/23

Out: -273.941+/-241.266 χ^2/NDF:59.5/26

All: -162.689+/-173.773 χ^2/NDF: 92.4/50

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: 796.126+/-0.215 χ^2/NDF:240084.5/8

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 797.357+/-0.214 χ^2/NDF:98952.8/7

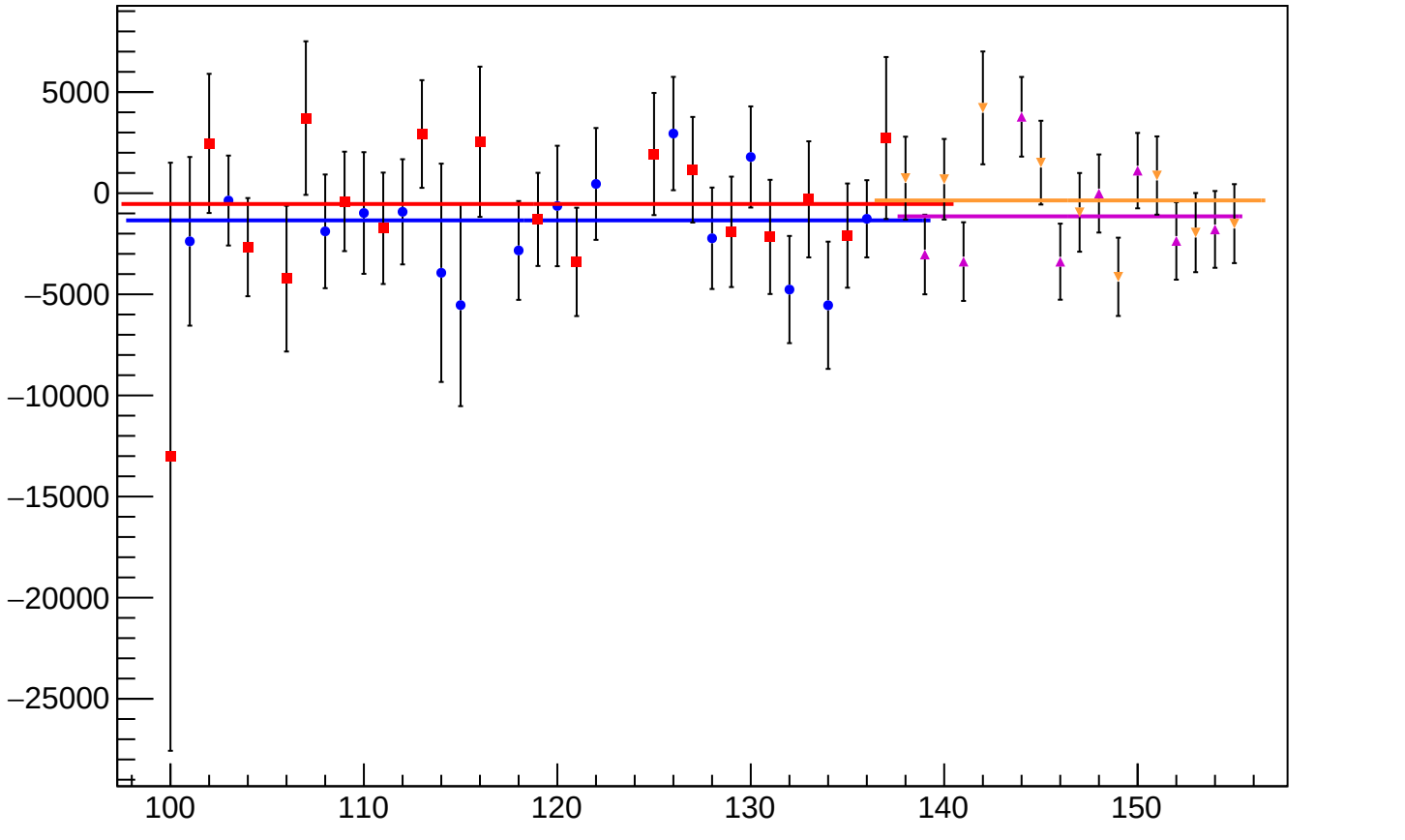
Left: 796.743+/-0.152 χ^2/NDF: 339053.8/16

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 895.823+/-0.177 χ^2/NDF:2742486.9/23

Out: 852.326+/-0.171 χ^2/NDF:3479345.4/26

All: 873.258+/-0.123 χ^2/NDF: 6253116.6/50



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -358.609+/-678.214 χ^2/NDF:9.4/8

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: -1144.630+/-678.990 χ^2/NDF:12.2/7

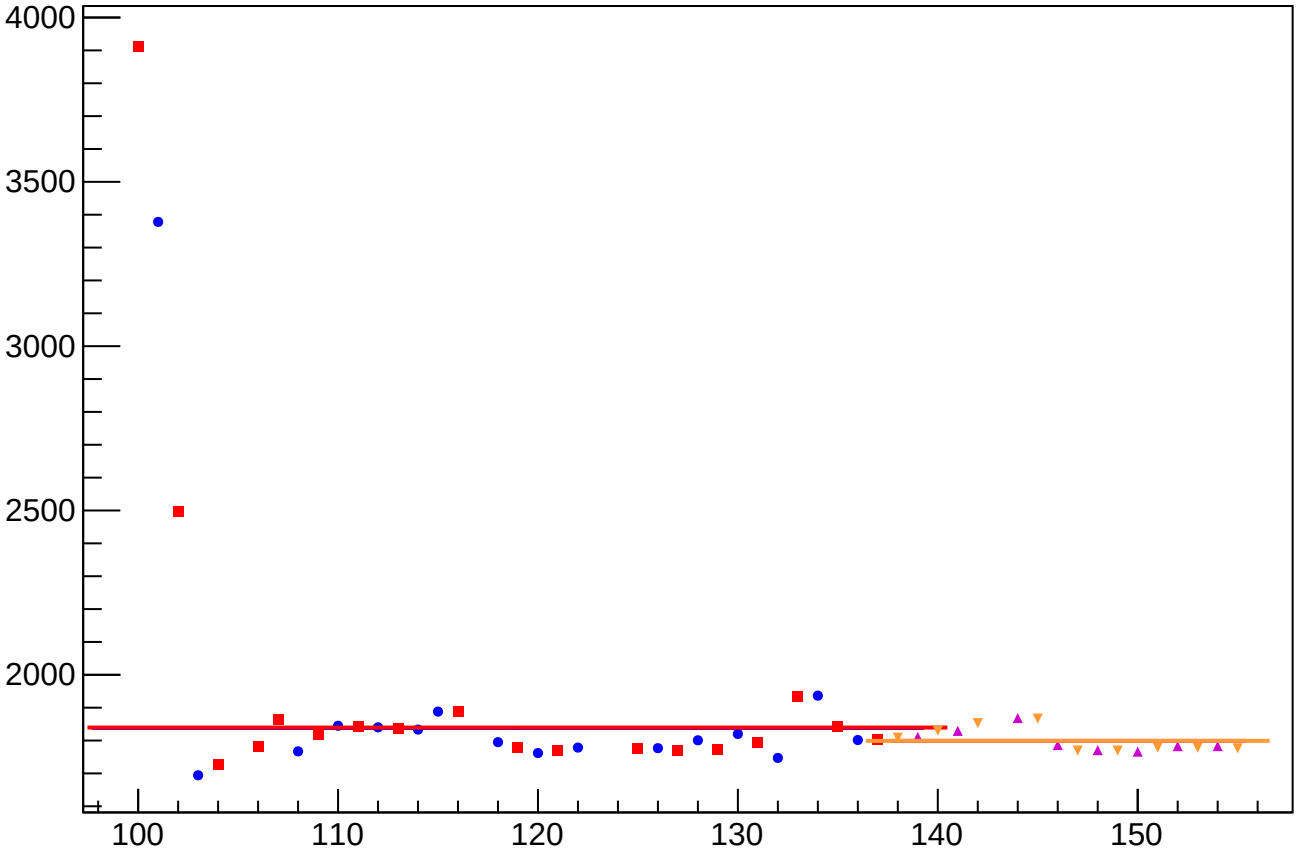
Left: -751.170+/-479.844 χ^2/NDF: 22.3/16

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -1242.554+/-484.288 χ^2/NDF:21.9/23

Out: -444.768+/-484.017 χ^2/NDF:20.5/26

All: -843.437+/-342.347 χ^2/NDF: 43.8/50



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1799.113+/-0.480 χ^2/NDF:5062.3/8

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1798.877+/-0.480 χ^2/NDF:4479.8/7

Left: 1798.995+/-0.339 χ^2/NDF: 9542.2/16

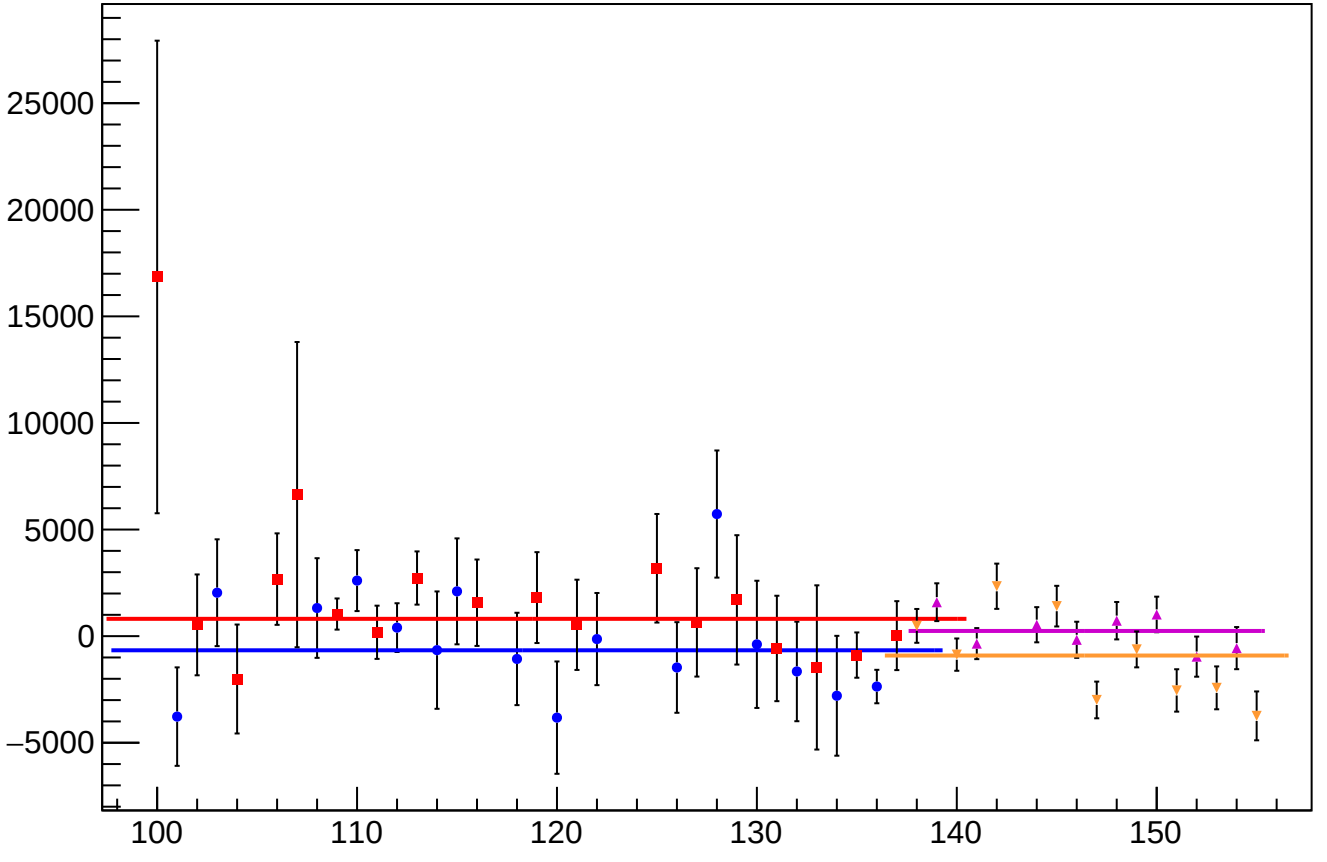
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1818.176+/-0.342 χ^2/NDF:299752.4/23

Out: 1818.939+/-0.342 χ^2/NDF:136798.9/26

All: 1818.558+/-0.242 χ^2/NDF: 436553.8/50

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: -909.047+/-303.722 χ^2/NDF:35.4/8

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 243.467+/-302.794 χ^2/NDF:6.8/7

Left: -331.027+/-214.435 χ^2/NDF: 49.4/16

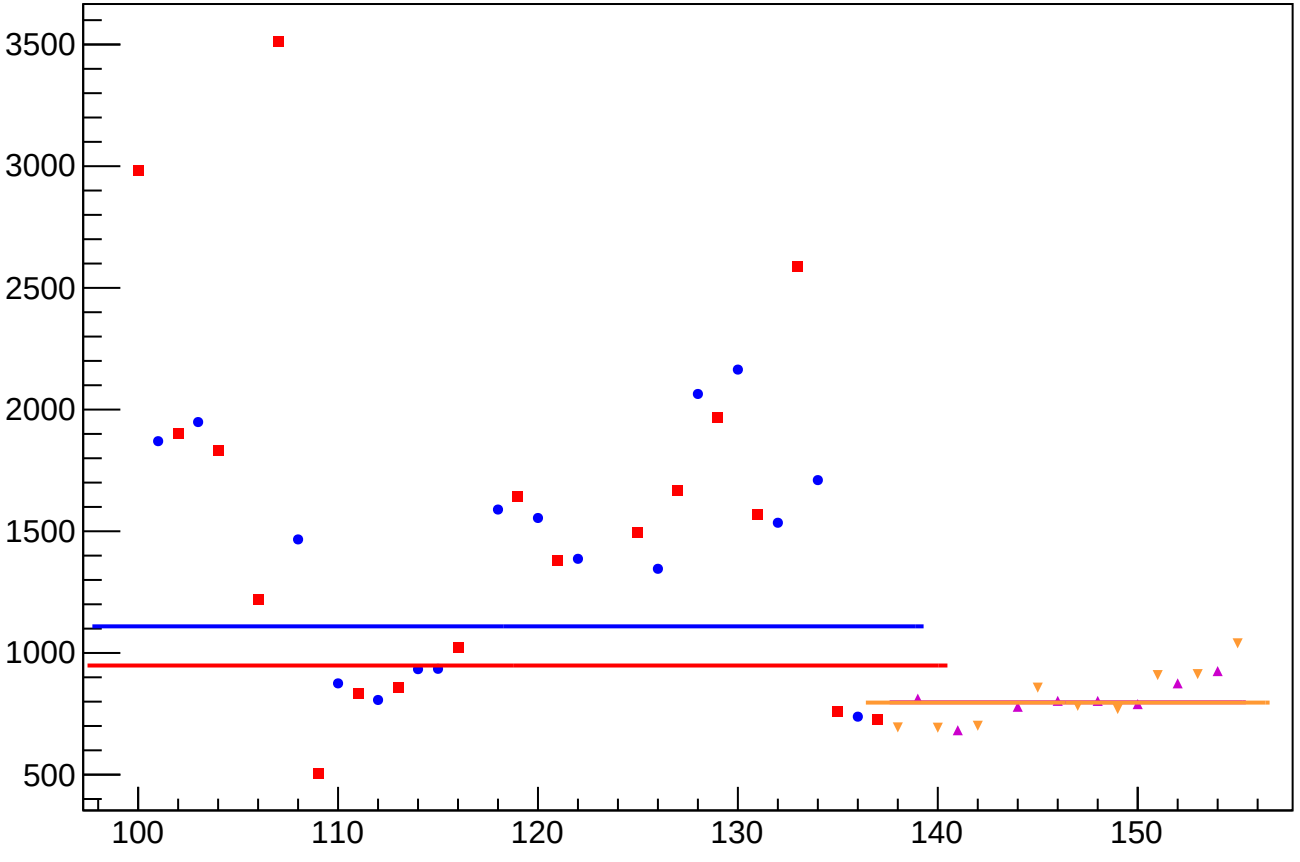
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -42.757+/-250.498 χ^2/NDF:32.4/23

Out: -273.943+/-241.267 χ^2/NDF:59.5/26

All: -162.688+/-173.773 χ^2/NDF: 92.4/50

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: 796.129+/-0.215 χ^2/NDF:240069.0/8

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 797.358+/-0.214 χ^2/NDF:98951.5/7

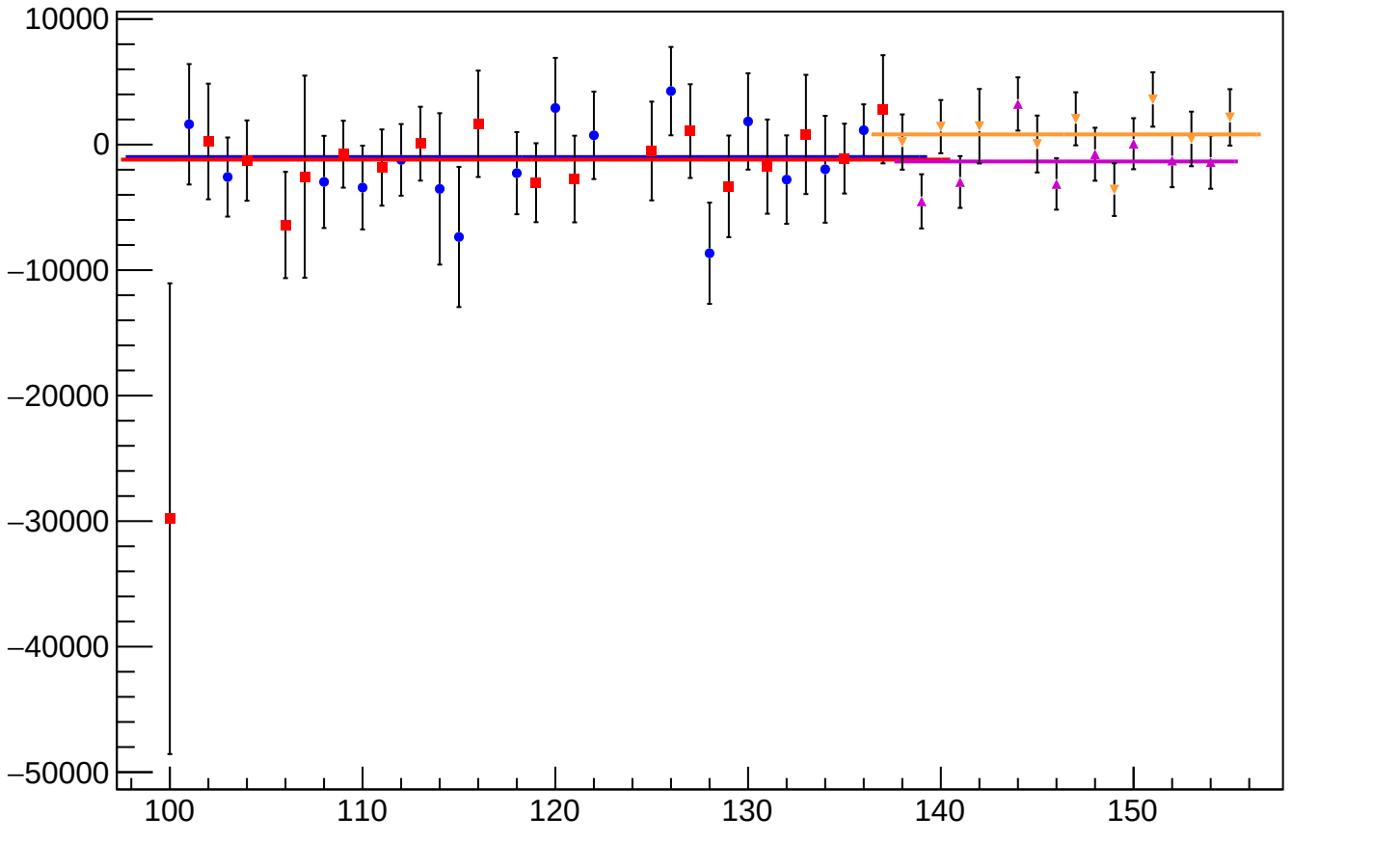
Left: 796.746+/-0.152 χ^2/NDF: 339037.0/16

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 895.825+/-0.177 χ^2/NDF:2742452.8/23

Out: 852.329+/-0.171 χ^2/NDF:3479300.5/26

All: 873.261+/-0.123 χ^2/NDF: 6253035.1/50



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 815.513+/-743.316 χ^2/NDF:7.1/8

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -1341.929+/-741.206 χ^2/NDF:8.8/7

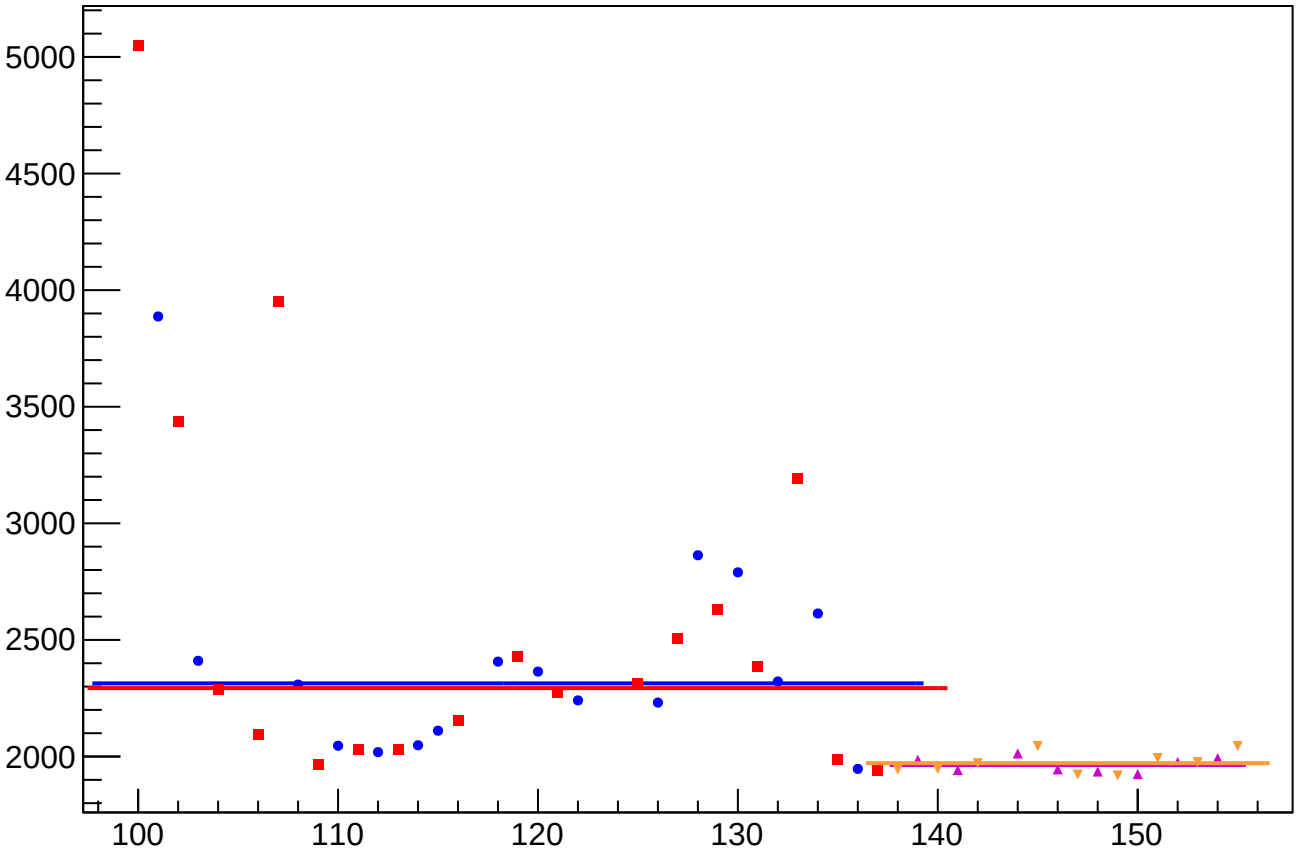
Left: -266.274+/-524.856 χ^2/NDF: 20.1/16

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1193.640+/-565.251 χ^2/NDF:20.9/23

Out: -31.157+/-565.255 χ^2/NDF:17.1/26

All: -612.403+/-399.694 χ^2/NDF: 40.1/50



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1971.521+/-0.526 χ^2/NDF:7323.3/8

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1963.638+/-0.524 χ^2/NDF:3212.2/7

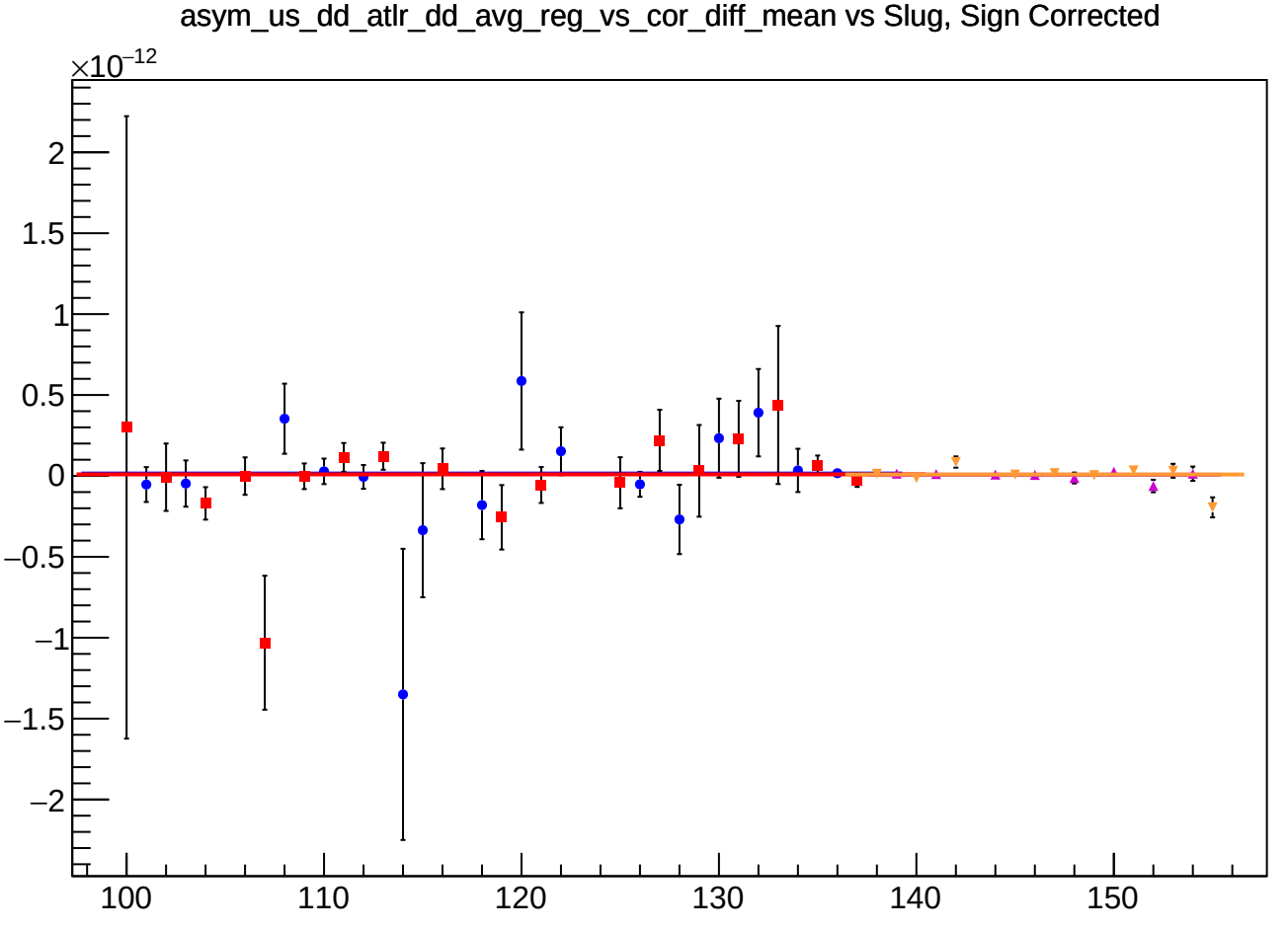
Left: 1967.568+/-0.371 χ^2/NDF: 10648.3/16

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2110.131+/-0.400 χ^2/NDF:592676.8/23

Out: 2107.210+/-0.400 χ^2/NDF:618559.6/26

All: 2108.670+/-0.283 χ^2/NDF: 1211263.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:4.3/7

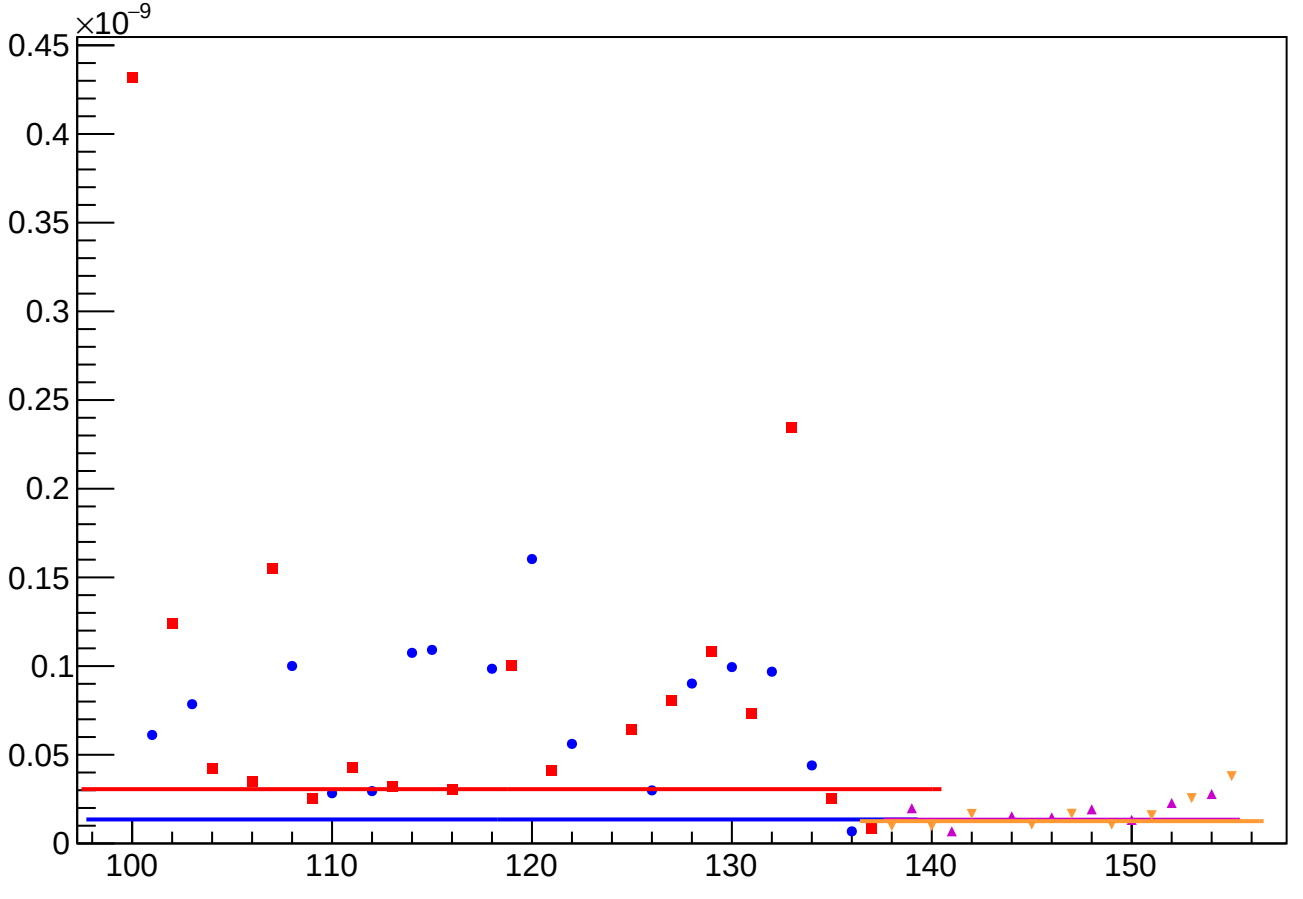
Left: 0.000+/-0.000 χ^2/NDF: 22.7/16

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:19.5/23

Out: 0.000+/-0.000 χ^2/NDF:37.9/26

All: 0.000+/-0.000 χ^2/NDF: 57.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:735411.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:918775.9/7

Left: 0.000+/-0.000 χ^2/NDF: 1663340.3/16

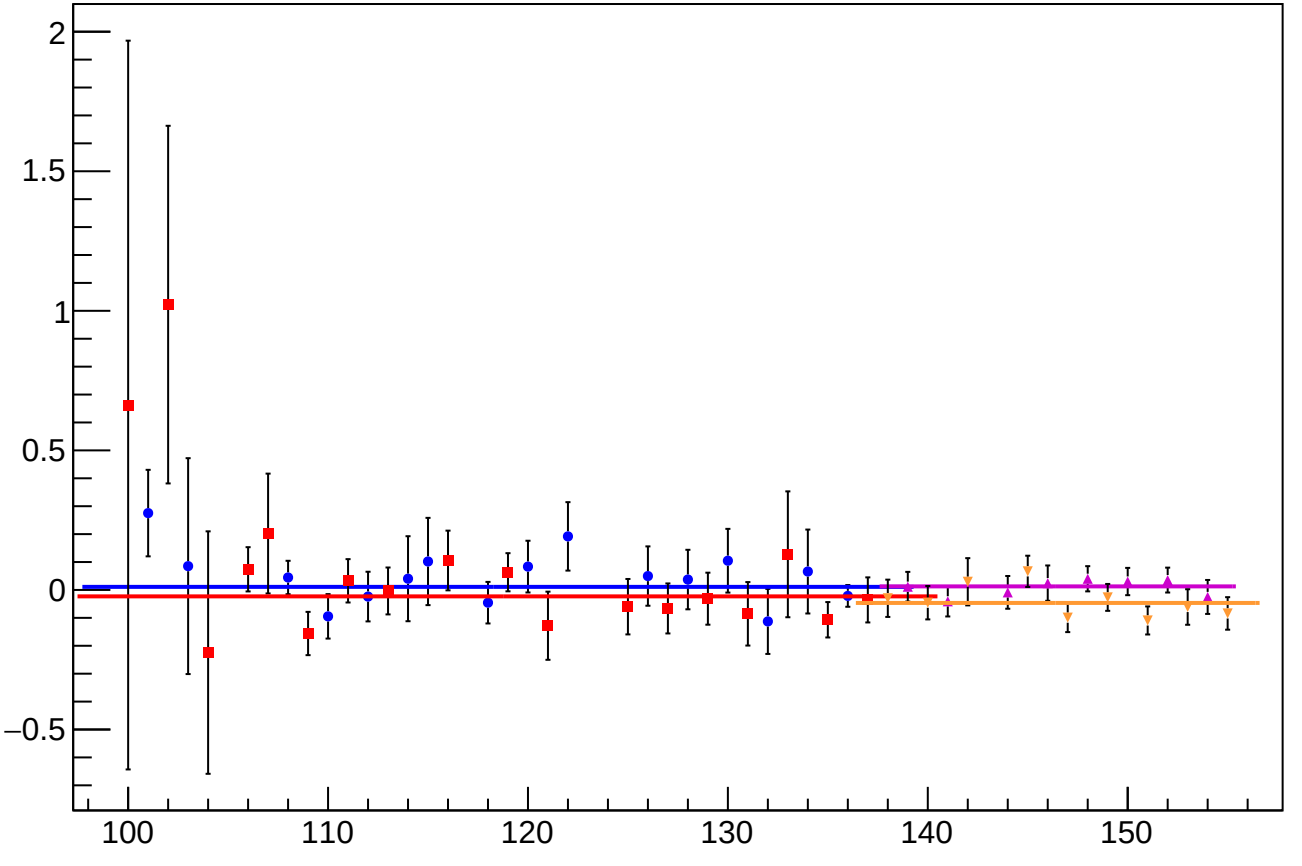
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4334988.8/23

Out: 0.000+/-0.000 χ^2/NDF:4083238.6/26

All: 0.000+/-0.000 χ^2/NDF: 8438619.8/50

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: -0.047+/-0.019 χ^2/NDF:8.2/8

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.013+/-0.019 χ^2/NDF:2.3/7

Left: -0.016+/-0.013 χ^2/NDF: 15.4/16

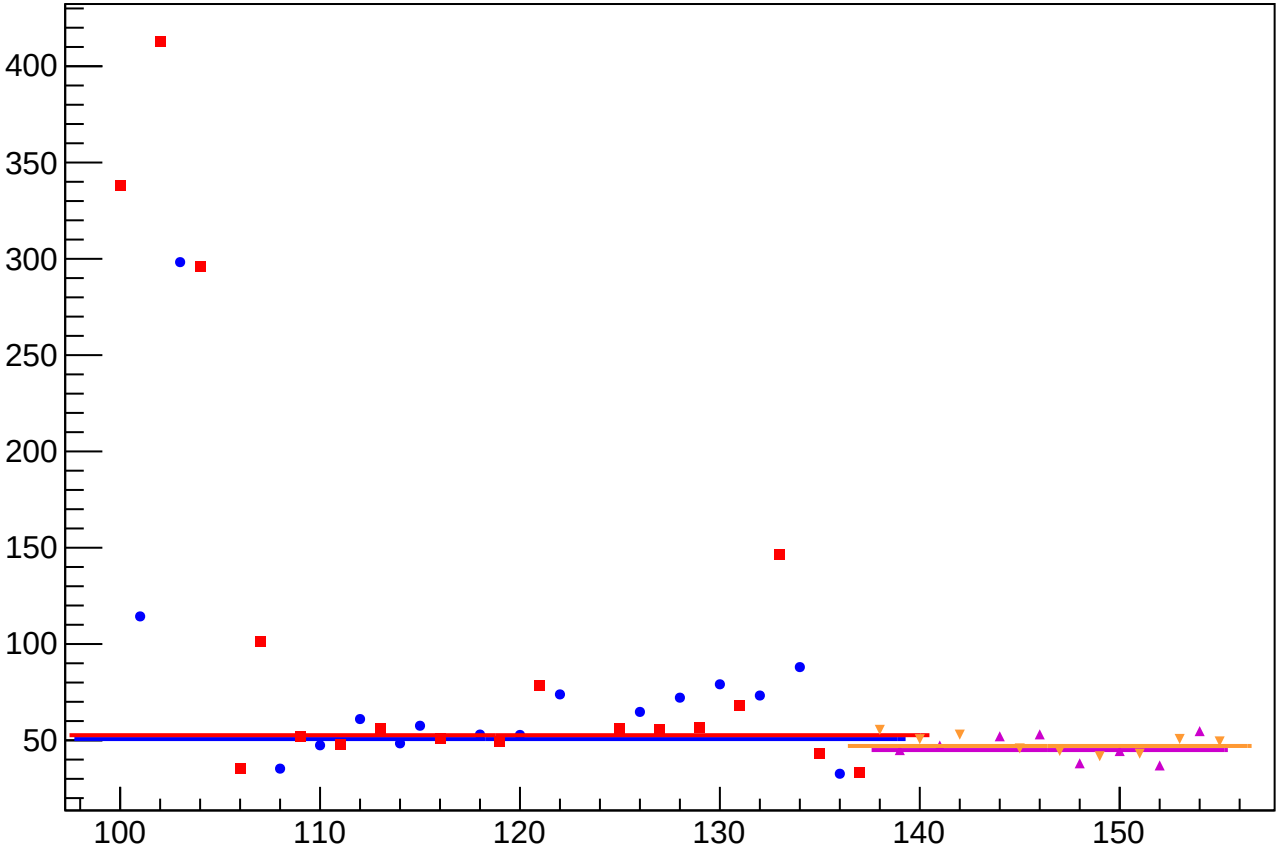
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.012+/-0.014 χ^2/NDF:14.0/23

Out: -0.037+/-0.015 χ^2/NDF:24.7/26

All: -0.011+/-0.010 χ^2/NDF: 44.5/50

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: 47.069+/-0.014 χ^2/NDF:101072.3/8

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 44.941+/-0.013 χ^2/NDF:229628.6/7

Left: 45.965+/-0.009 χ^2/NDF: 343397.2/16

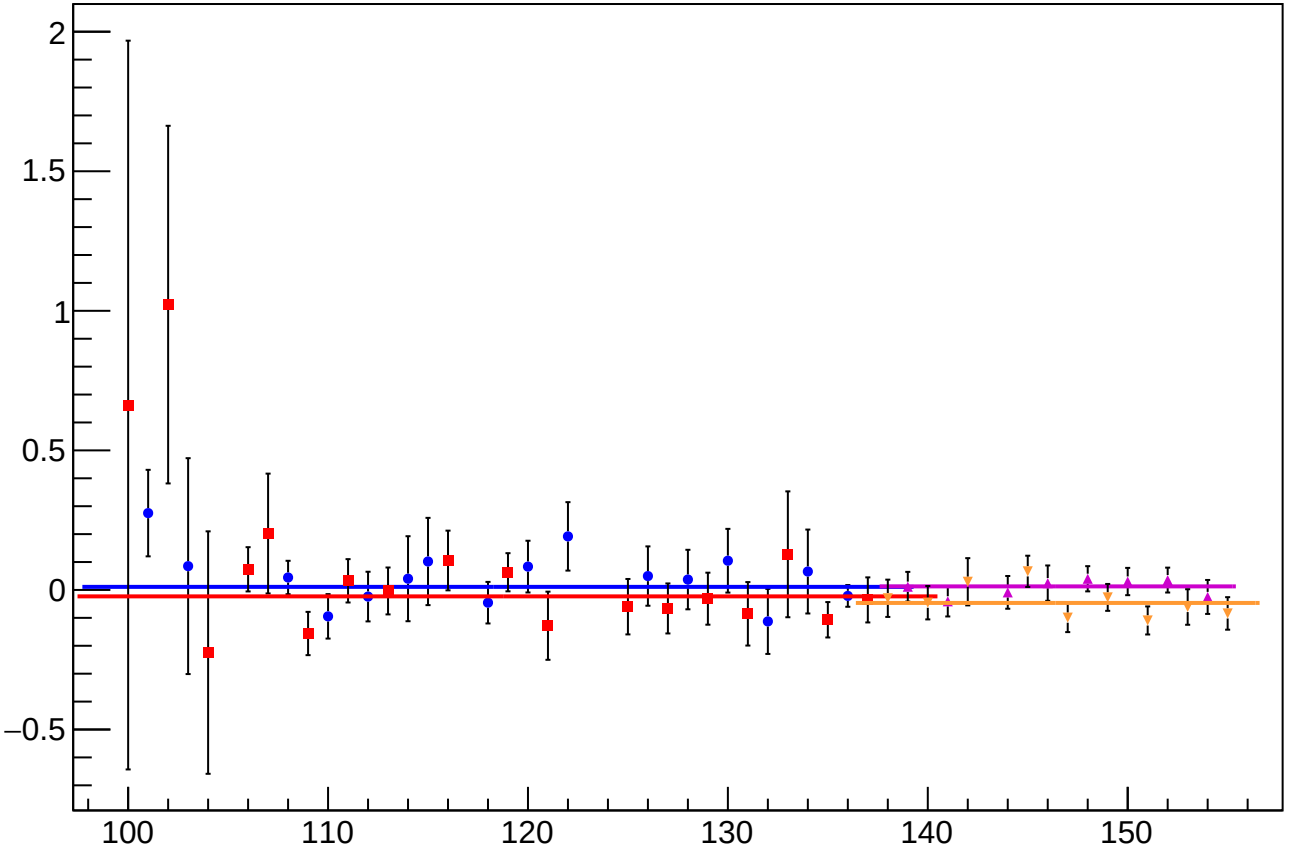
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.323+/-0.010 χ^2/NDF:2575289.6/23

Out: 49.360+/-0.010 χ^2/NDF:2382288.2/26

All: 48.296+/-0.007 χ^2/NDF: 4977409.8/50

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: -0.047+/-0.019 χ^2/NDF:8.2/8

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.013+/-0.019 χ^2/NDF:2.3/7

Left: -0.016+/-0.013 χ^2/NDF: 15.4/16

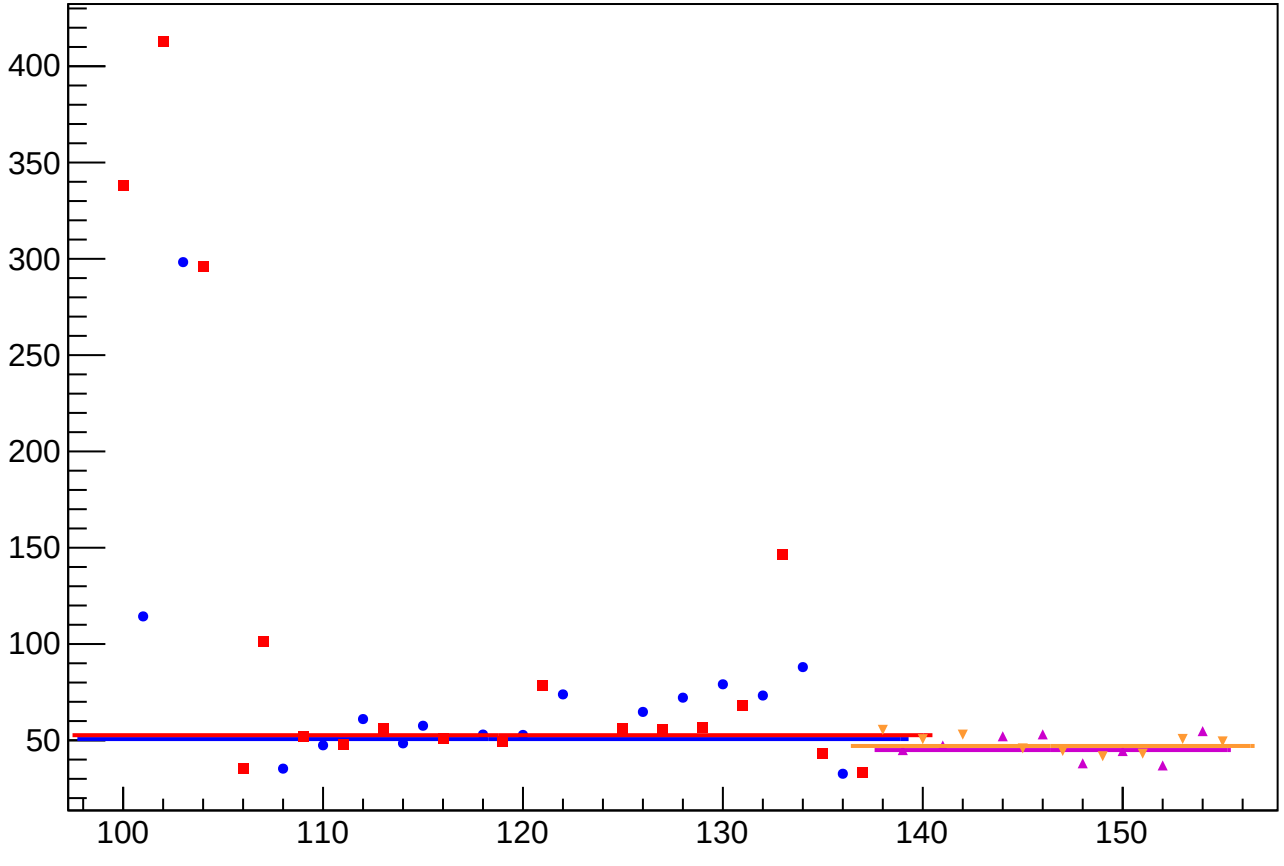
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.012+/-0.014 χ^2/NDF:14.0/23

Out: -0.037+/-0.015 χ^2/NDF:24.7/26

All: -0.011+/-0.010 χ^2/NDF: 44.5/50

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: 47.069+/-0.014 χ^2/NDF:101072.3/8

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 44.941+/-0.013 χ^2/NDF:229628.6/7

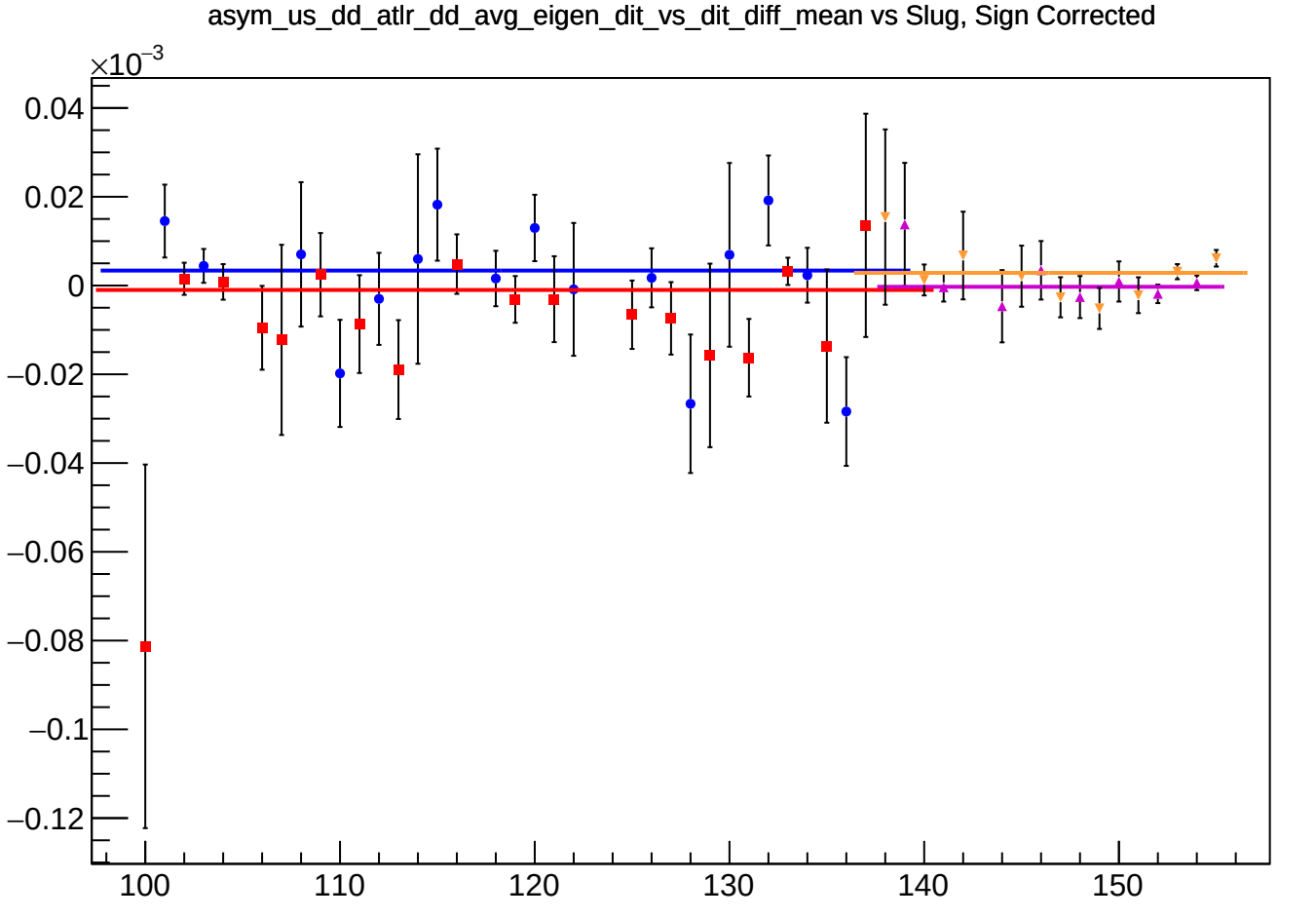
Left: 45.965+/-0.009 χ^2/NDF: 343397.2/16

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.323+/-0.010 χ^2/NDF:2575289.6/23

Out: 49.360+/-0.010 χ^2/NDF:2382288.2/26

All: 48.296+/-0.007 χ^2/NDF: 4977409.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/8

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:2.8/7

Left: 0.000+/-0.000 χ^2/NDF: 17.0/16

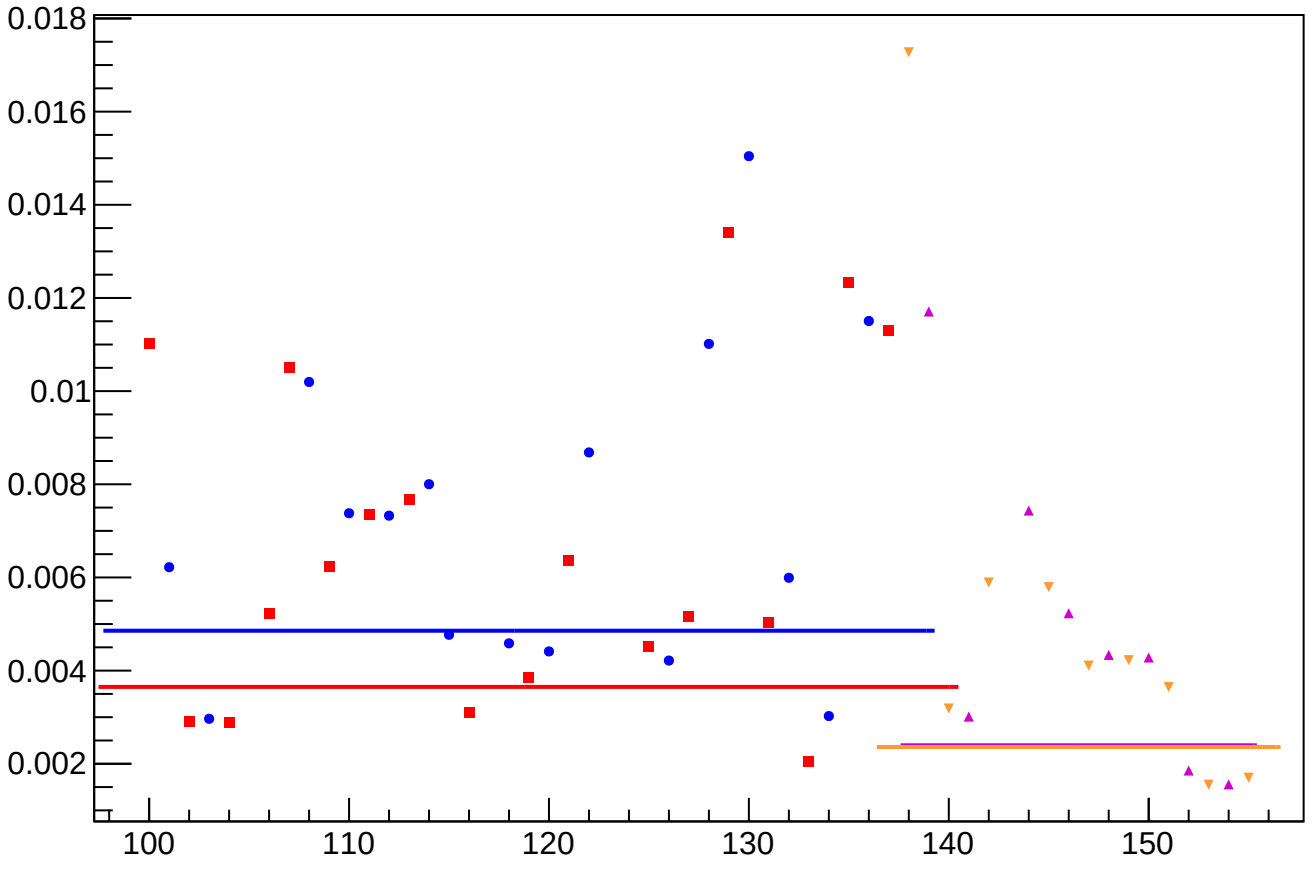
Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:27.4/23

Out: 0.000+/-0.000 χ^2/NDF:31.4/26

All: 0.000+/-0.000 χ^2/NDF: 59.6/50

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3530695.0/8

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:3433894.2/7

Left: 0.002+/-0.000 χ^2/NDF: 6965815.1/16

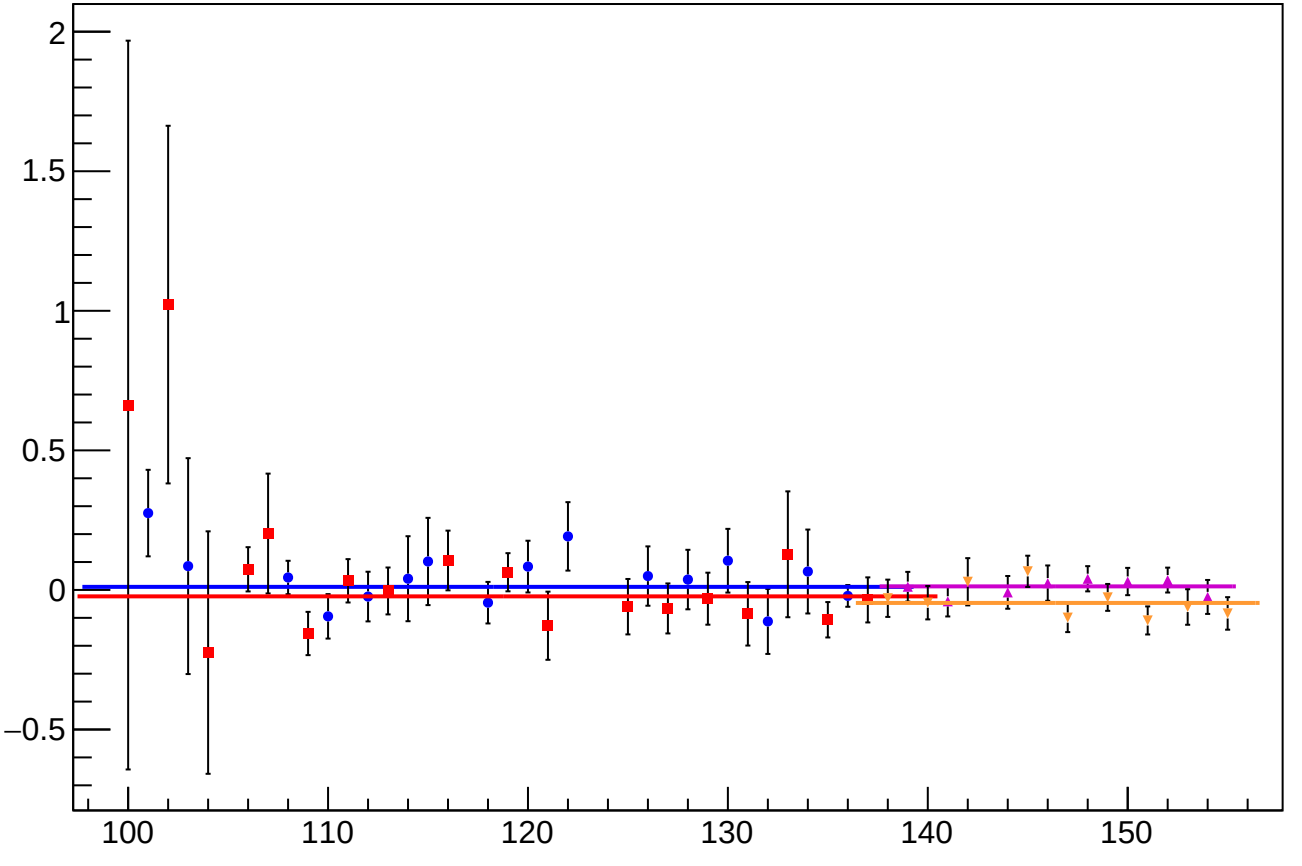
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.003+/-0.000 χ^2/NDF:8362374.2/23

Out: 0.003+/-0.000 χ^2/NDF:7574747.6/26

All: 0.003+/-0.000 χ^2/NDF: 15972799.2/50

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: -0.047+/-0.019 χ^2/NDF:8.2/8

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.013+/-0.019 χ^2/NDF:2.3/7

Left: -0.016+/-0.013 χ^2/NDF: 15.4/16

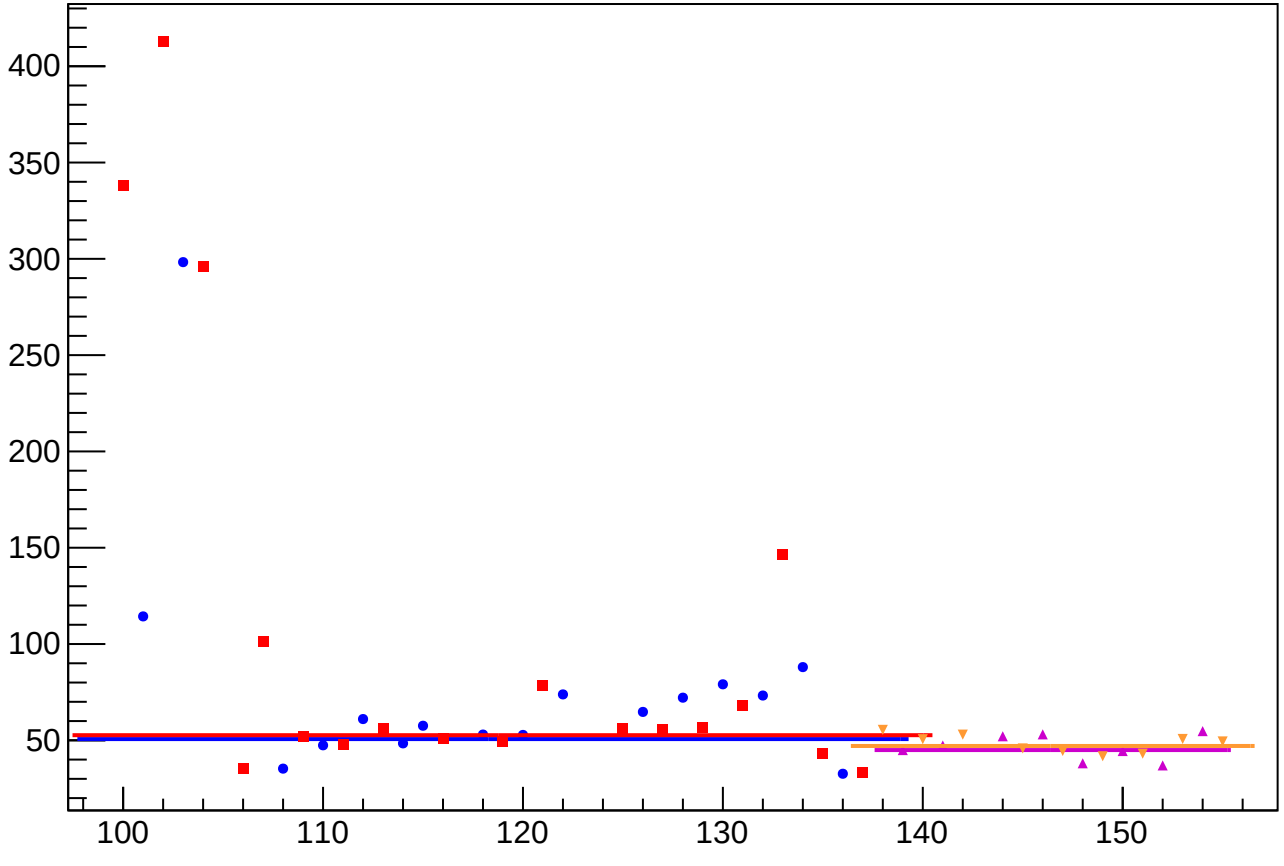
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.012+/-0.014 χ^2/NDF:14.0/23

Out: -0.037+/-0.015 χ^2/NDF:24.7/26

All: -0.011+/-0.010 χ^2/NDF: 44.5/50

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: 47.069+/-0.014 χ^2/NDF:101088.3/8

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 44.942+/-0.013 χ^2/NDF:229596.8/7

Left: 45.965+/-0.009 χ^2/NDF: 343377.7/16

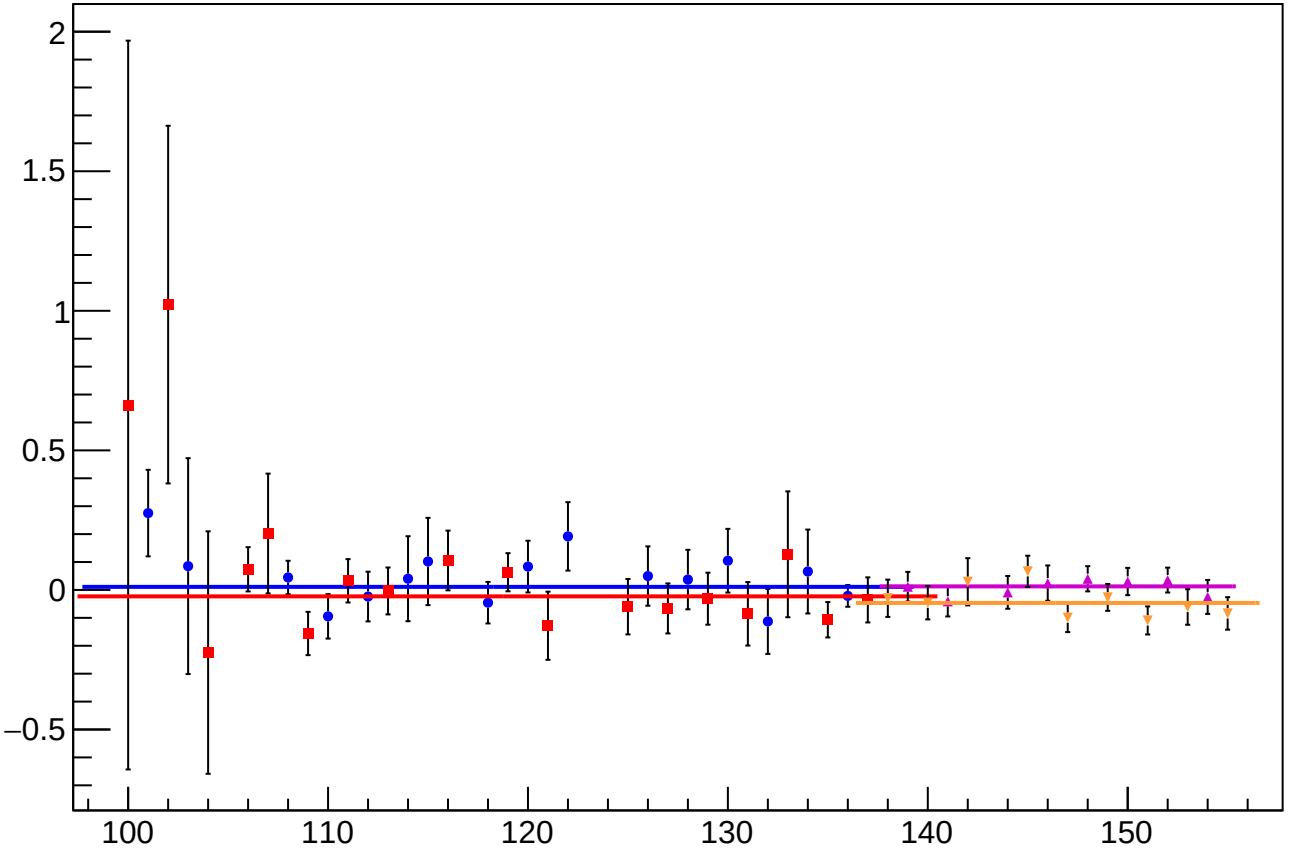
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.324+/-0.010 χ^2/NDF:2575166.1/23

Out: 49.360+/-0.010 χ^2/NDF:2382209.0/26

All: 48.296+/-0.007 χ^2/NDF: 4977205.8/50

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: -0.047+/-0.019 χ^2/NDF:8.2/8

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.013+/-0.019 χ^2/NDF:2.3/7

Left: -0.016+/-0.013 χ^2/NDF: 15.4/16

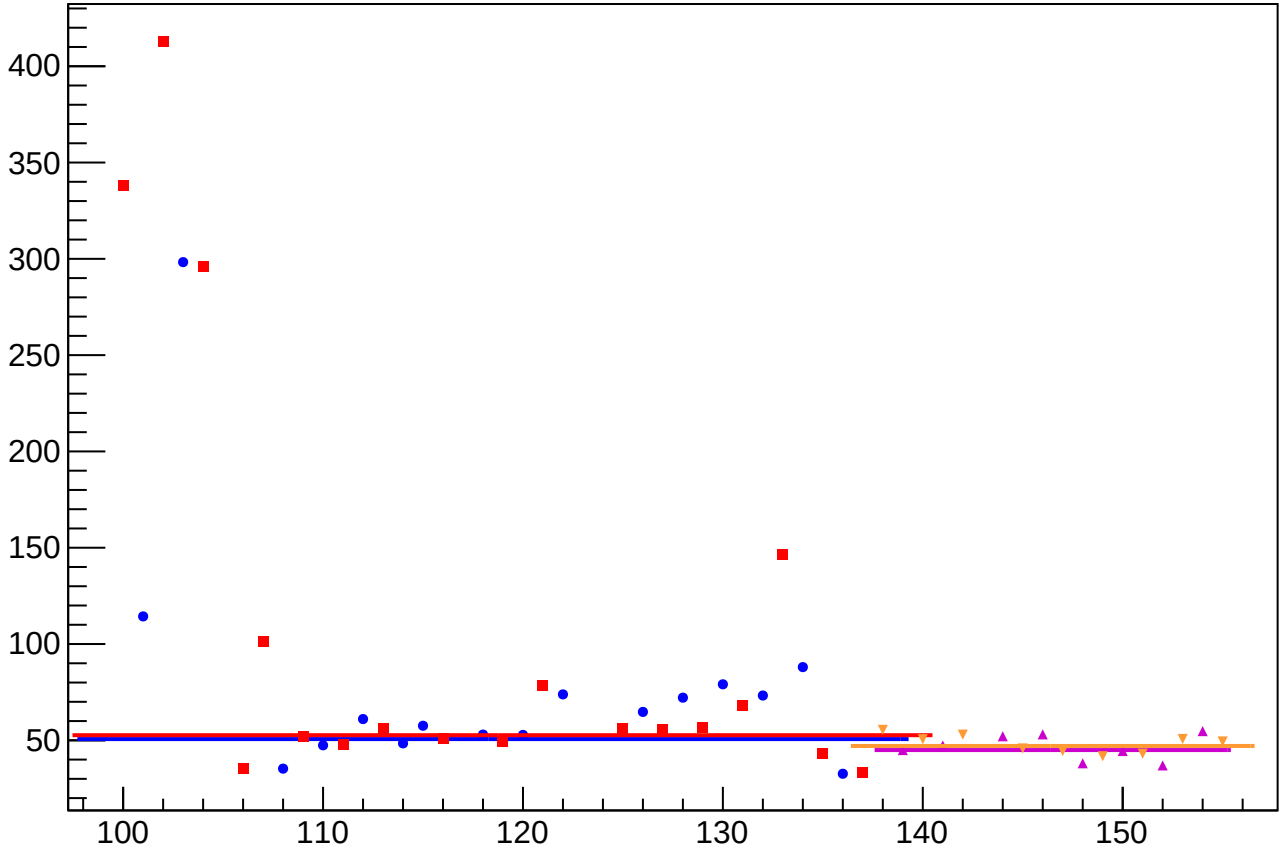
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.012+/-0.014 χ^2/NDF:14.0/23

Out: -0.037+/-0.015 χ^2/NDF:24.7/26

All: -0.011+/-0.010 χ^2/NDF: 44.5/50

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: 47.069+/-0.014 χ^2/NDF:101088.3/8

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 44.942+/-0.013 χ^2/NDF:229596.8/7

Left: 45.965+/-0.009 χ^2/NDF: 343377.7/16

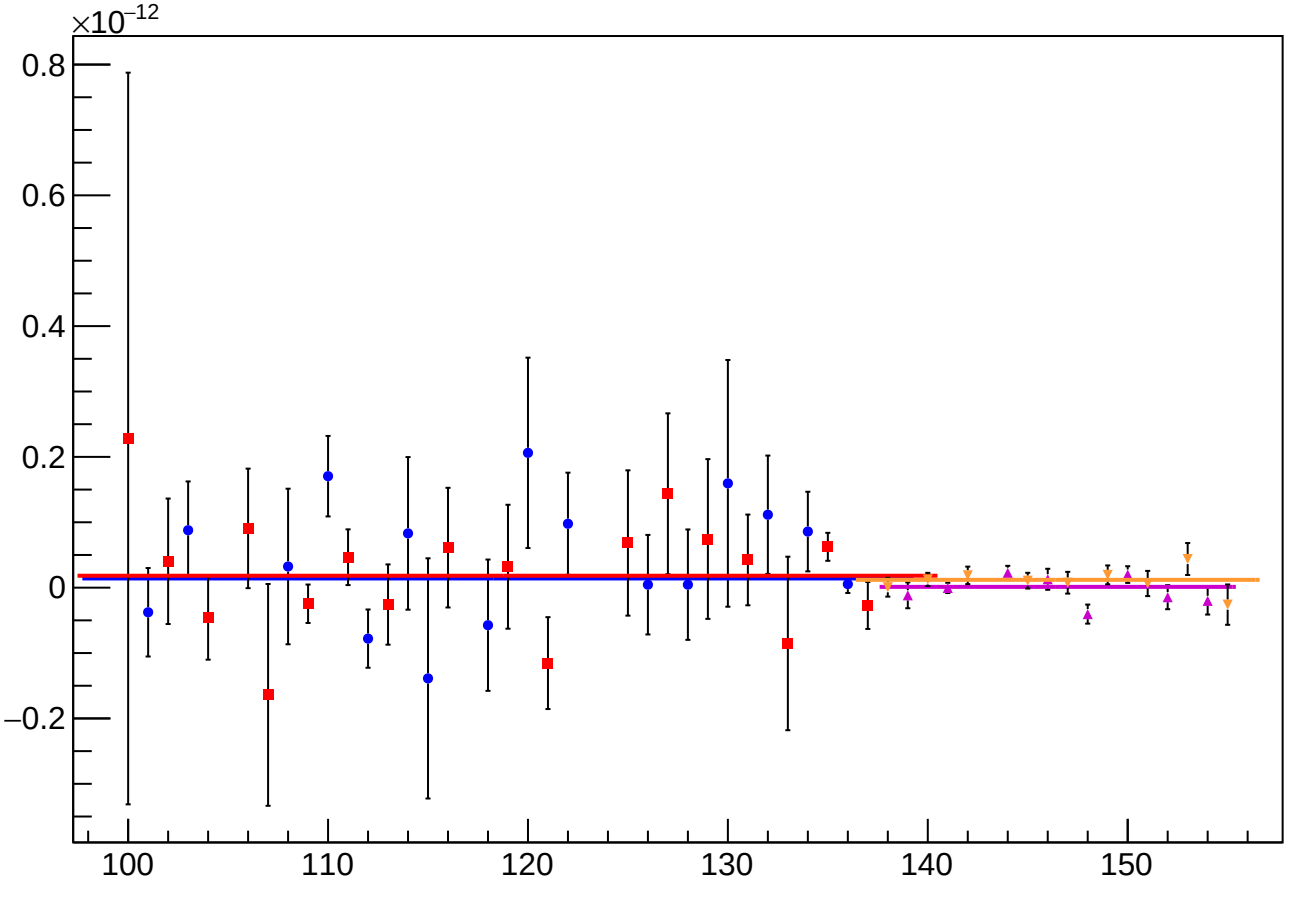
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.324+/-0.010 χ^2/NDF:2575166.1/23

Out: 49.360+/-0.010 χ^2/NDF:2382209.0/26

All: 48.296+/-0.007 χ^2/NDF: 4977205.8/50

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: 0.000+/-0.000 χ^2/NDF:17.2/7

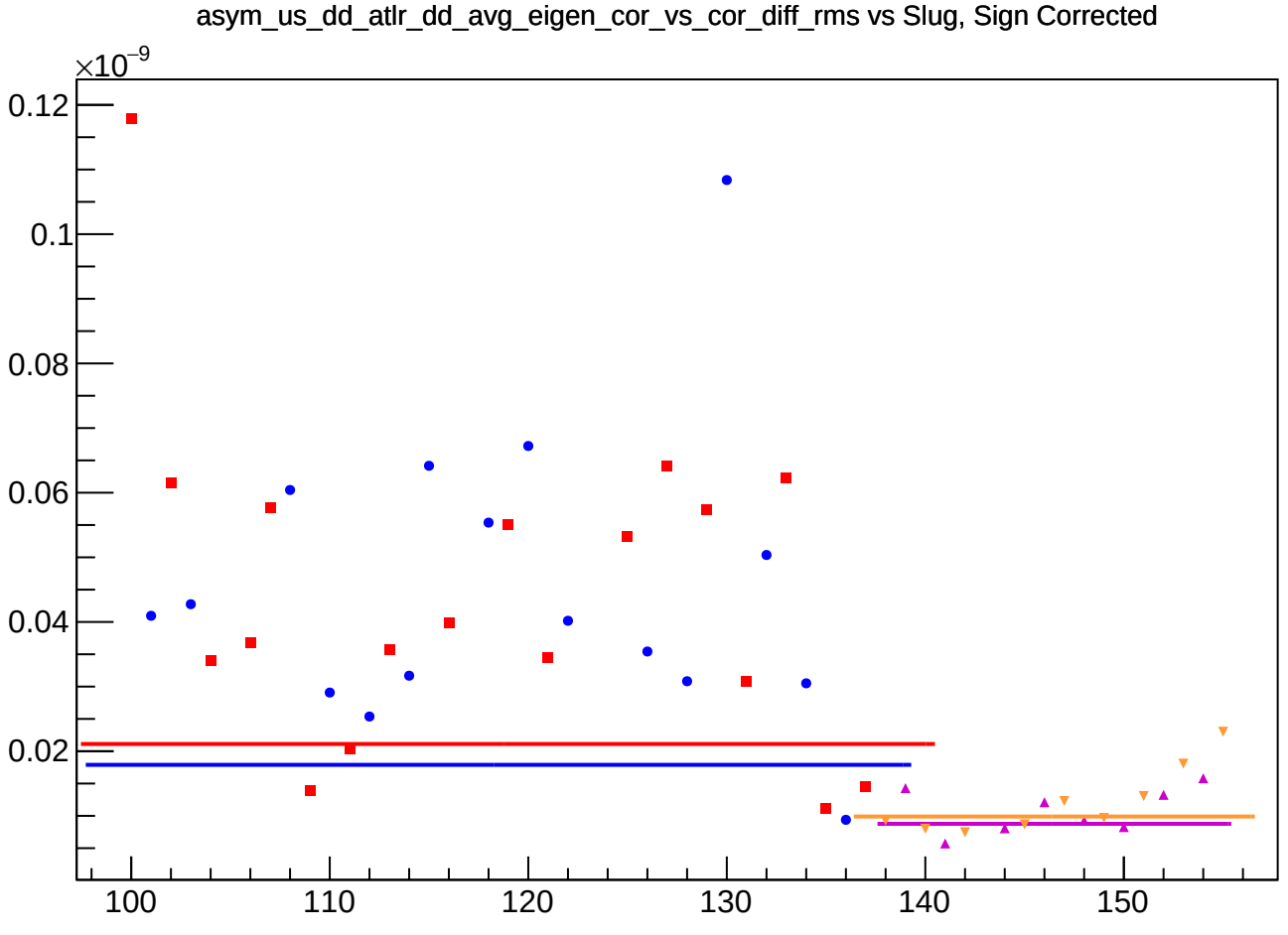
Left: 0.000+/-0.000 χ^2/NDF: 24.3/16

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: 0.000+/-0.000 χ^2/NDF:38.6/23

Out: 0.000+/-0.000 χ^2/NDF:22.8/26

All: 0.000+/-0.000 χ^2/NDF: 63.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:841891.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:903052.4/7

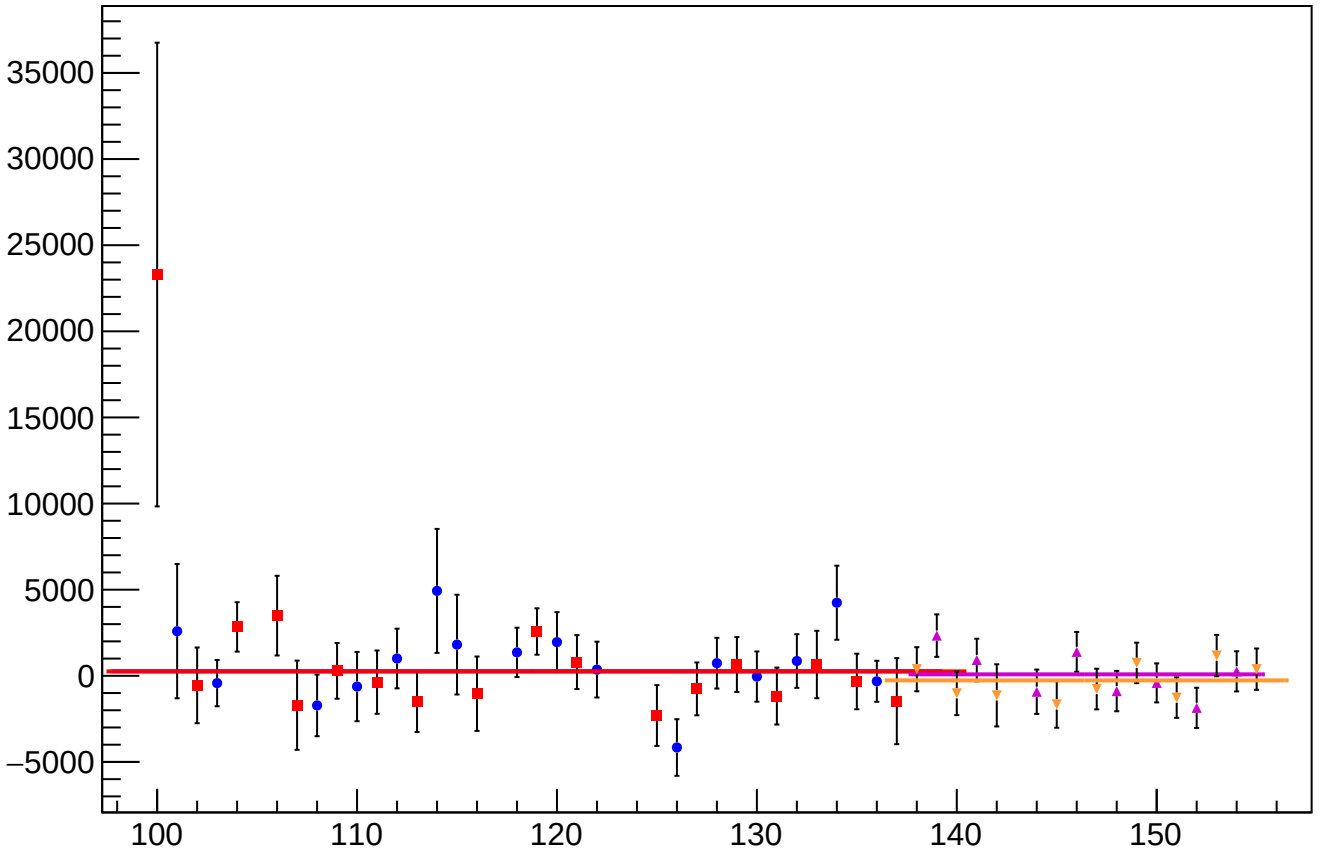
Left: 0.000+/-0.000 χ^2/NDF: 1801056.0/16

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5417752.0/23

Out: 0.000+/-0.000 χ^2/NDF:4852181.8/26

All: 0.000+/-0.000 χ^2/NDF: 10363455.8/50



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -267.335+/-420.904 χ^2/NDF:5.3/8

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 84.418+/-421.036 χ^2/NDF:9.4/7

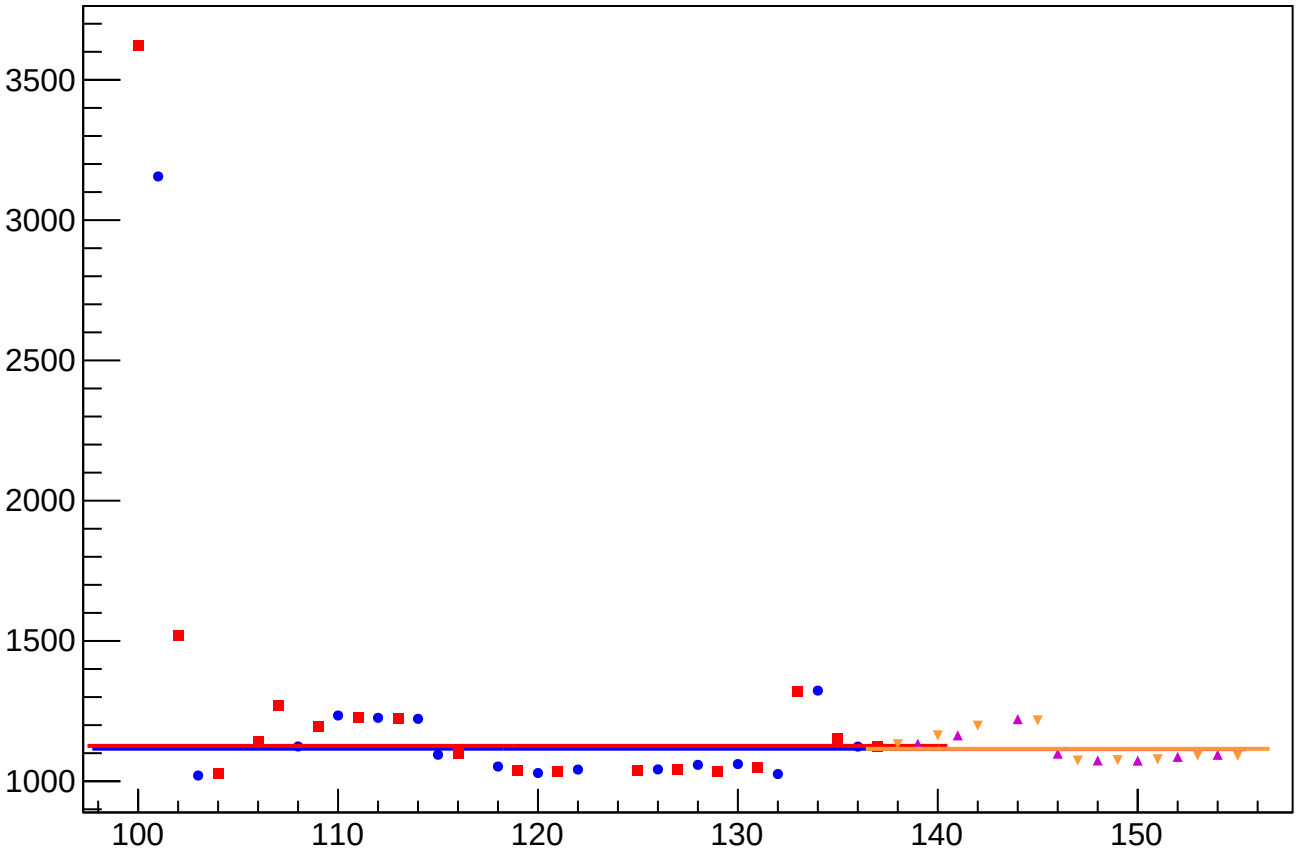
Left: -91.514+/-297.671 χ^2/NDF: 15.0/16

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 171.852+/-298.990 χ^2/NDF:26.4/23

Out: -8.717+/-299.335 χ^2/NDF:23.4/26

All: 81.672+/-211.539 χ^2/NDF: 50.0/50



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1115.573+/-0.298 χ^2/NDF:27156.4/8

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1114.588+/-0.298 χ^2/NDF:24537.0/7

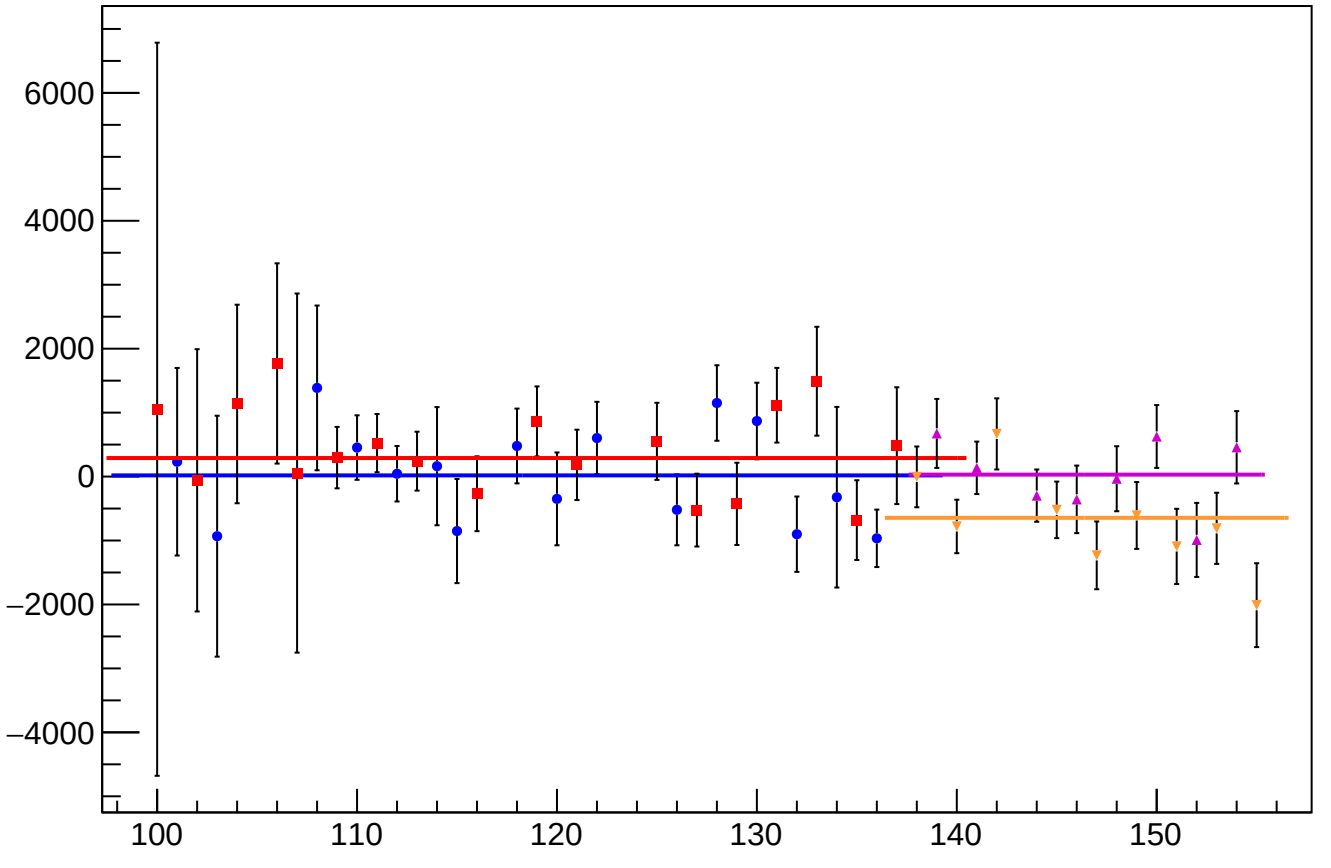
Left: 1115.081+/-0.210 χ^2/NDF: 51698.9/16

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1115.332+/-0.211 χ^2/NDF:647940.5/23

Out: 1120.734+/-0.212 χ^2/NDF:249870.7/26

All: 1118.030+/-0.150 χ^2/NDF: 898137.3/50



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -645.343+/-171.086 χ^2/NDF:13.8/8

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 30.577+/-173.919 χ^2/NDF:7.8/7

Left: -312.932+/-121.965 χ^2/NDF: 29.3/16

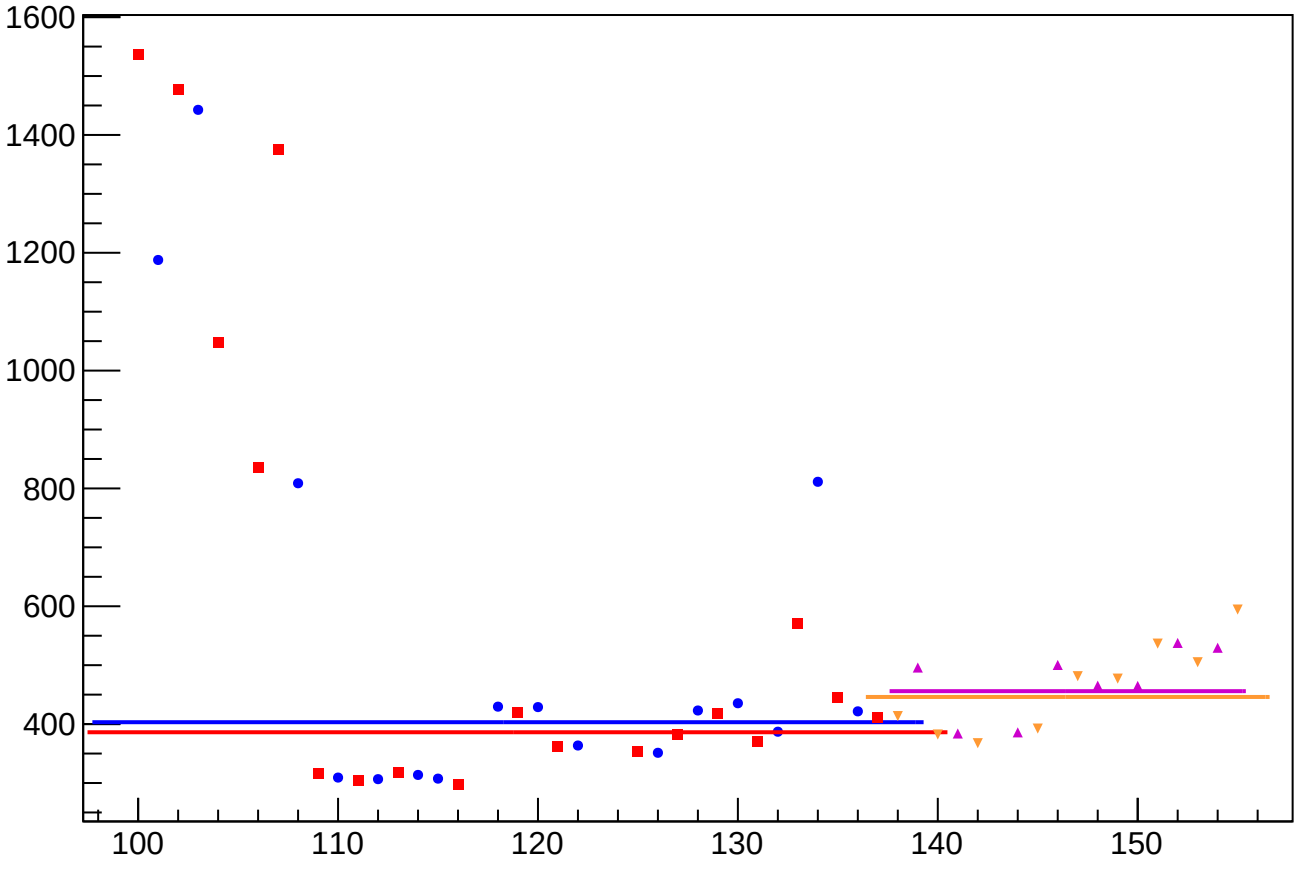
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 24.065+/-118.241 χ^2/NDF:27.0/23

Out: -135.213+/-115.350 χ^2/NDF:43.6/26

All: -57.545+/-82.568 χ^2/NDF: 71.6/50

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 446.049+/-0.121 χ^2/NDF:313177.4/8

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 455.898+/-0.123 χ^2/NDF:220347.4/7

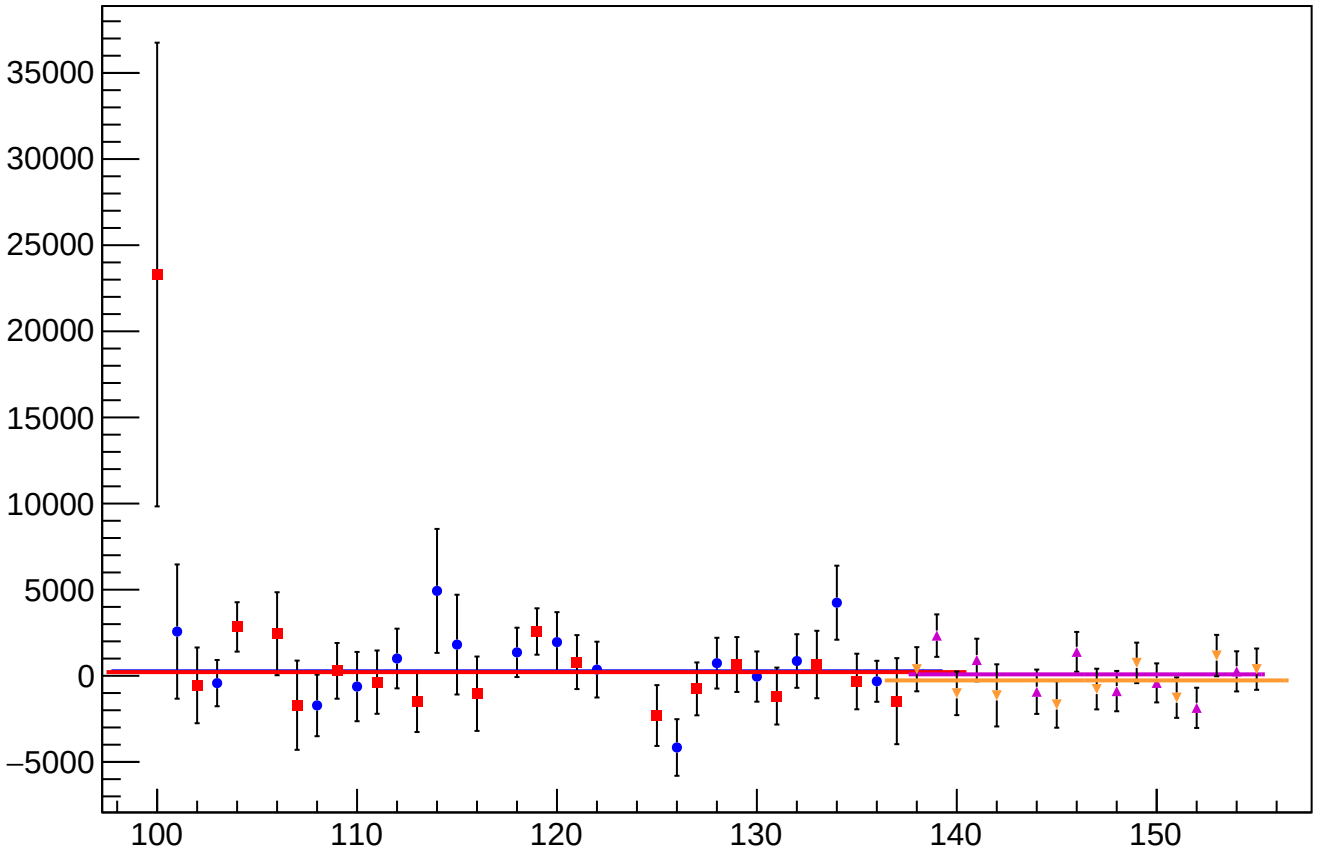
Left: 450.892+/-0.086 χ^2/NDF: 536784.8/16

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 427.555+/-0.084 χ^2/NDF:2127551.1/23

Out: 413.376+/-0.082 χ^2/NDF:2206019.9/26

All: 420.290+/-0.058 χ^2/NDF: 4348305.7/50



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -267.324+/-420.904 χ^2/NDF:5.3/8

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 84.395+/-421.036 χ^2/NDF:9.4/7

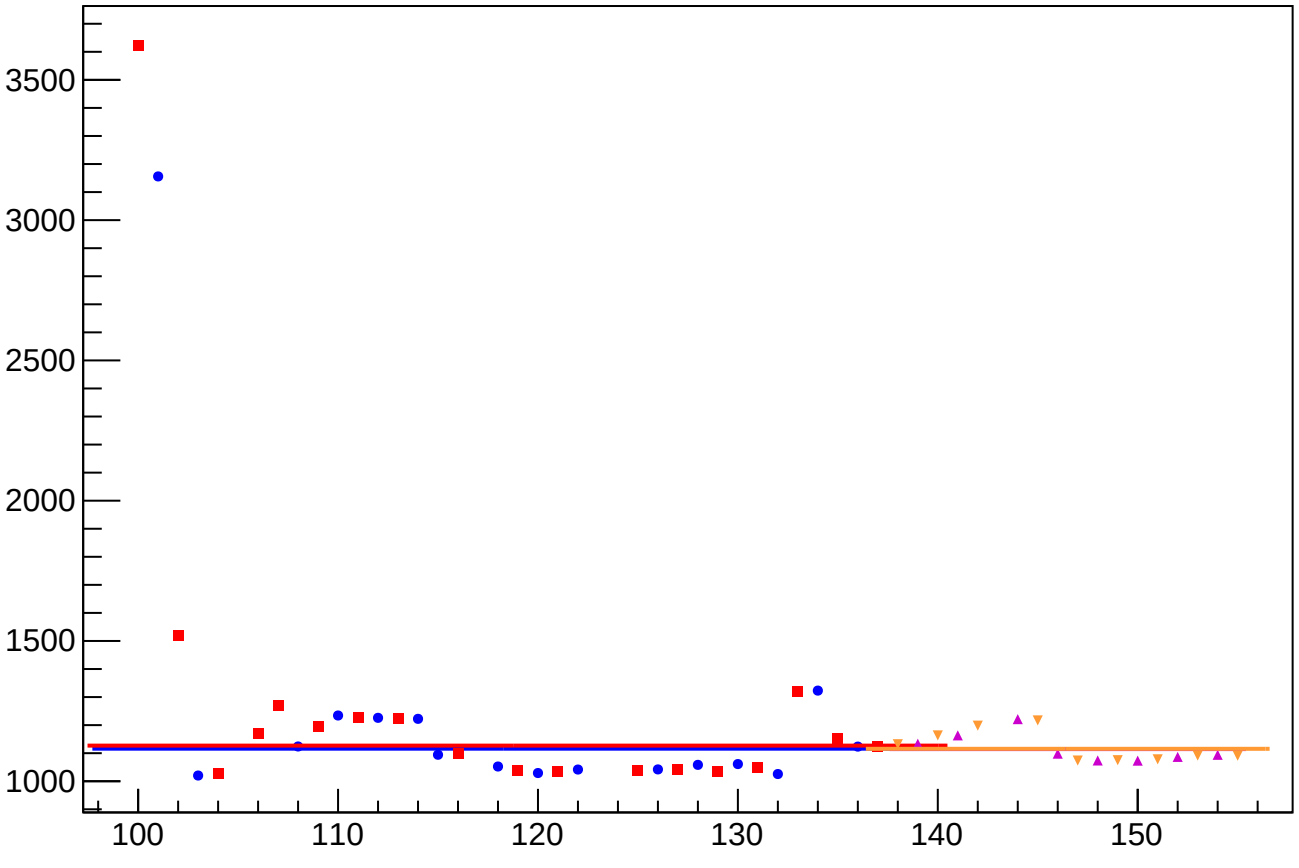
Left: -91.520+/-297.671 χ^2/NDF: 15.0/16

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 171.651+/-298.990 χ^2/NDF:26.4/23

Out: -29.504+/-299.528 χ^2/NDF:22.2/26

All: 71.255+/-211.608 χ^2/NDF: 48.8/50



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1115.573+/-0.298 χ^2/NDF:27156.4/8

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1114.588+/-0.298 χ^2/NDF:24537.0/7

Left: 1115.081+/-0.210 χ^2/NDF: 51698.9/16

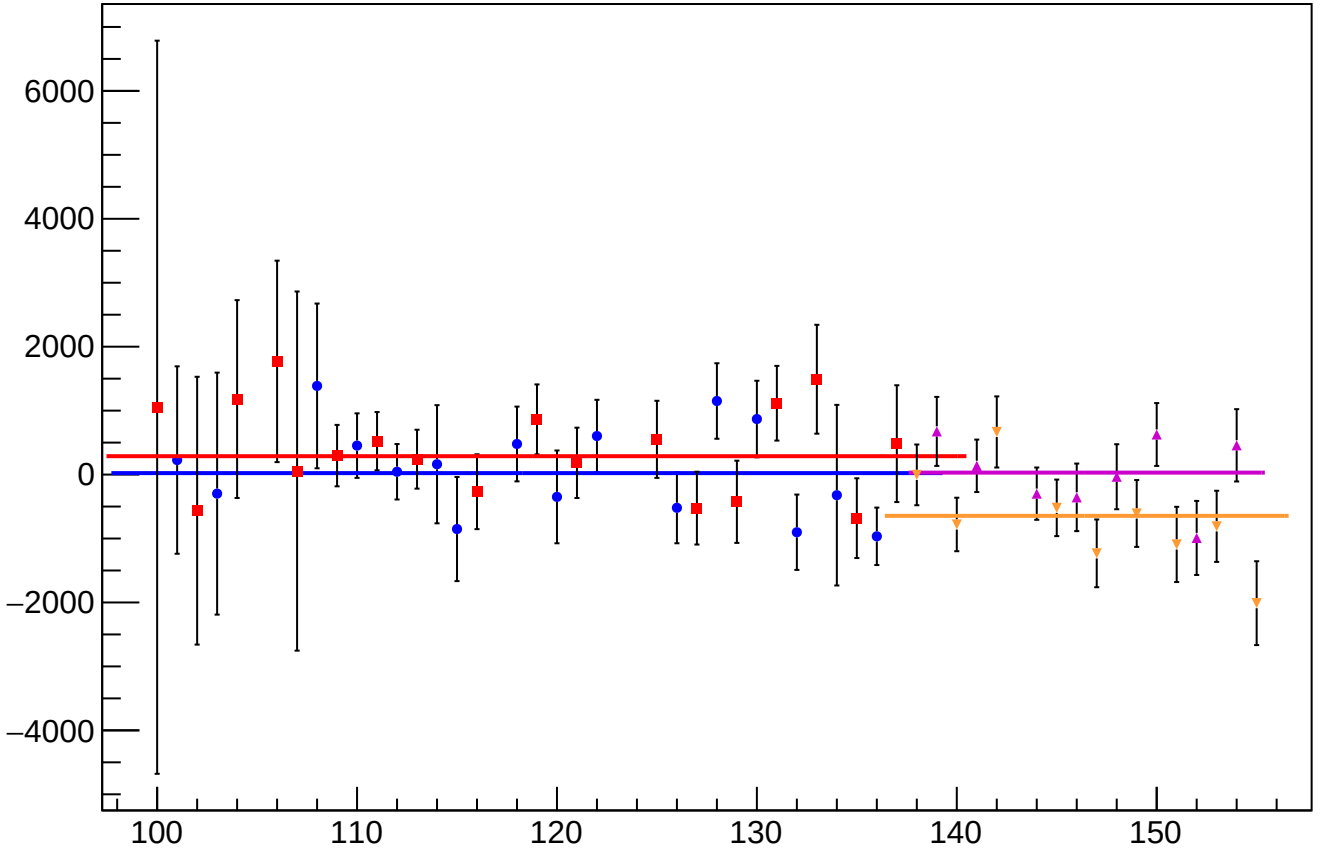
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1115.332+/-0.211 χ^2/NDF:647941.5/23

Out: 1121.194+/-0.212 χ^2/NDF:250619.0/26

All: 1118.258+/-0.150 χ^2/NDF: 898944.2/50

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: -645.460+/-171.085 χ^2/NDF:13.8/8

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 30.626+/-173.917 χ^2/NDF:7.8/7

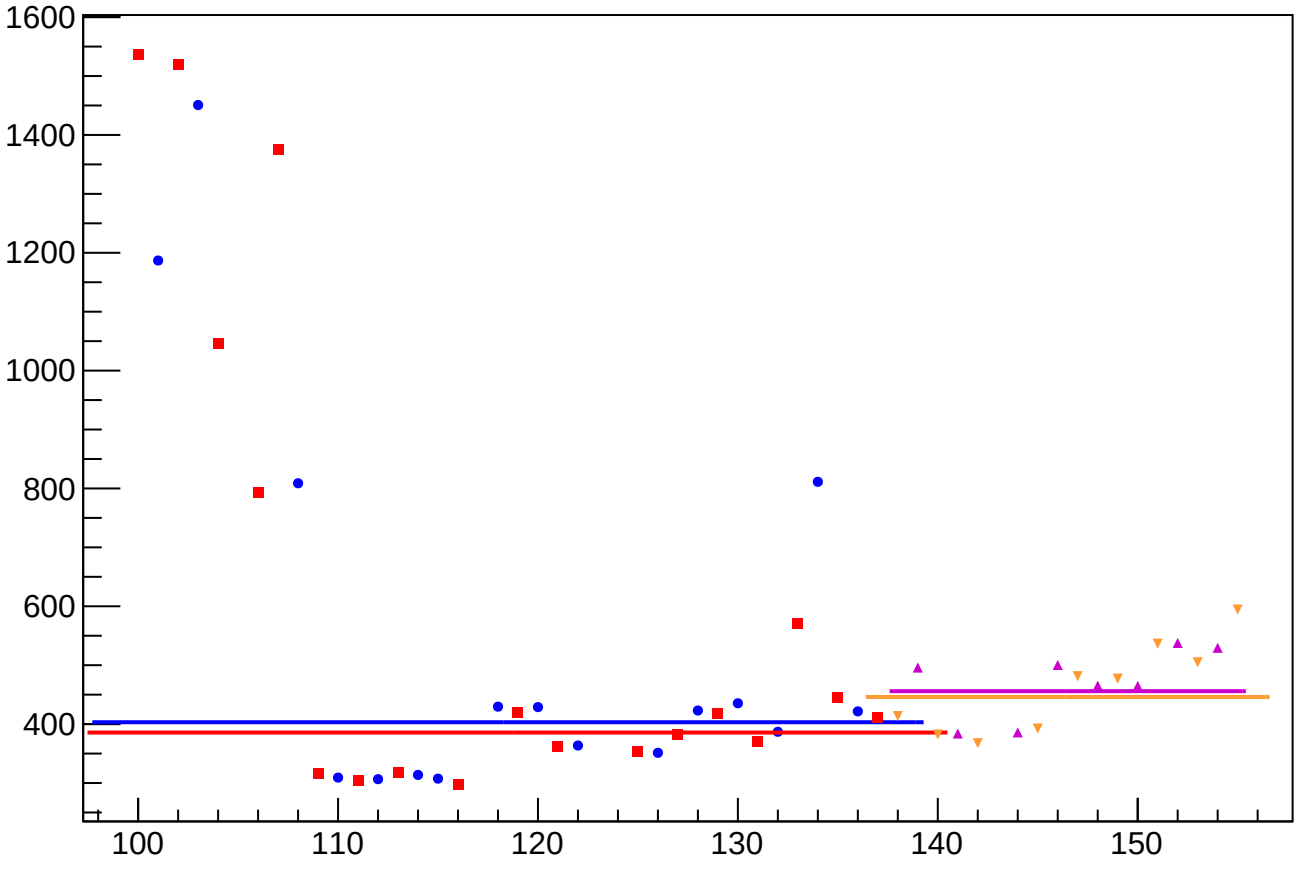
Left: -312.966+/-121.964 χ^2/NDF: 29.3/16

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 26.483+/-118.241 χ^2/NDF:26.8/23

Out: -136.609+/-115.359 χ^2/NDF:43.7/26

All: -57.075+/-82.571 χ^2/NDF: 71.5/50



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 446.046+/-0.121 χ^2/NDF:313173.8/8

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 455.894+/-0.123 χ^2/NDF:220311.2/7

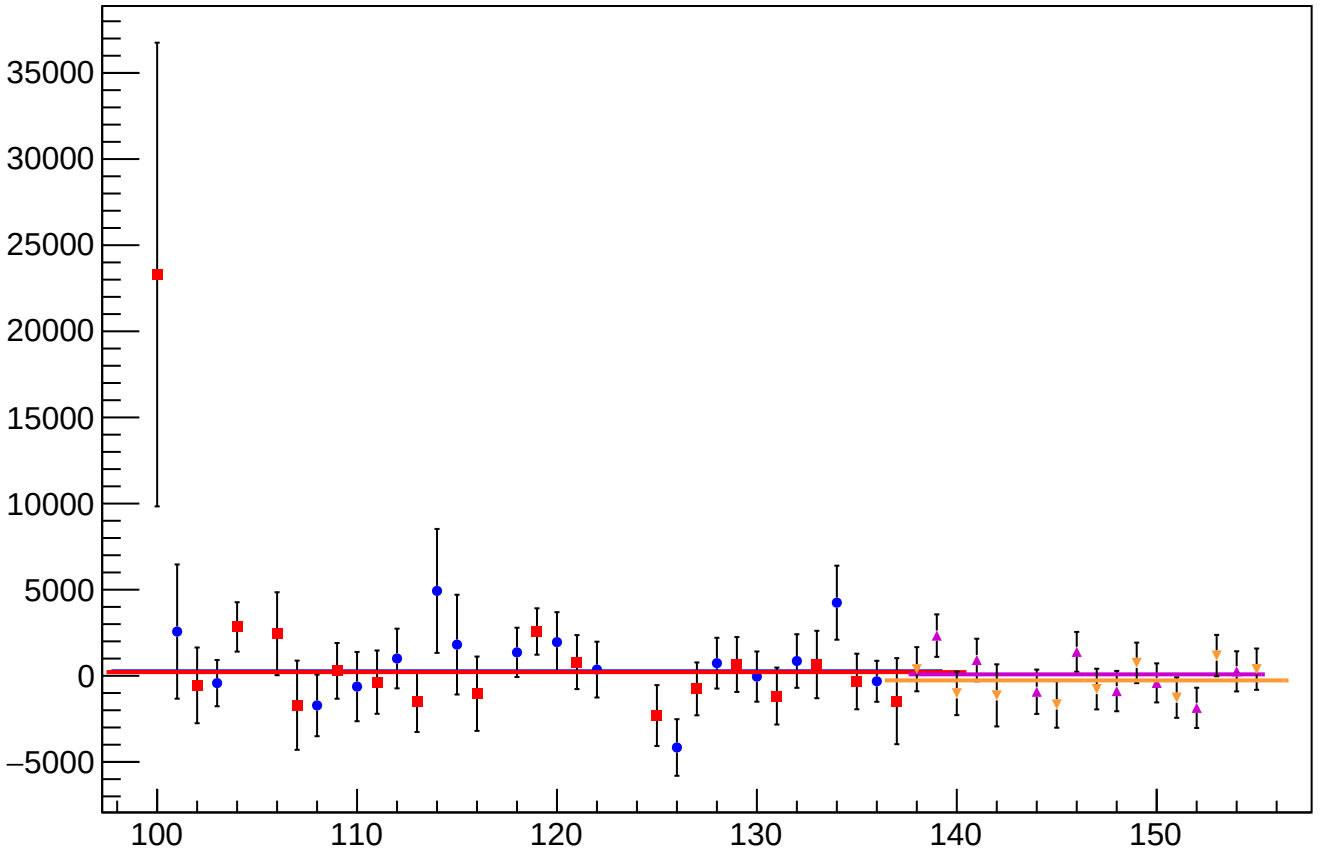
Left: 450.889+/-0.086 χ^2/NDF: 536744.1/16

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 427.547+/-0.084 χ^2/NDF:2131222.7/23

Out: 413.126+/-0.082 χ^2/NDF:2196105.8/26

All: 420.159+/-0.058 χ^2/NDF: 4342569.6/50



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -267.324+/-420.904 χ^2/NDF:5.3/8

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 84.395+/-421.036 χ^2/NDF:9.4/7

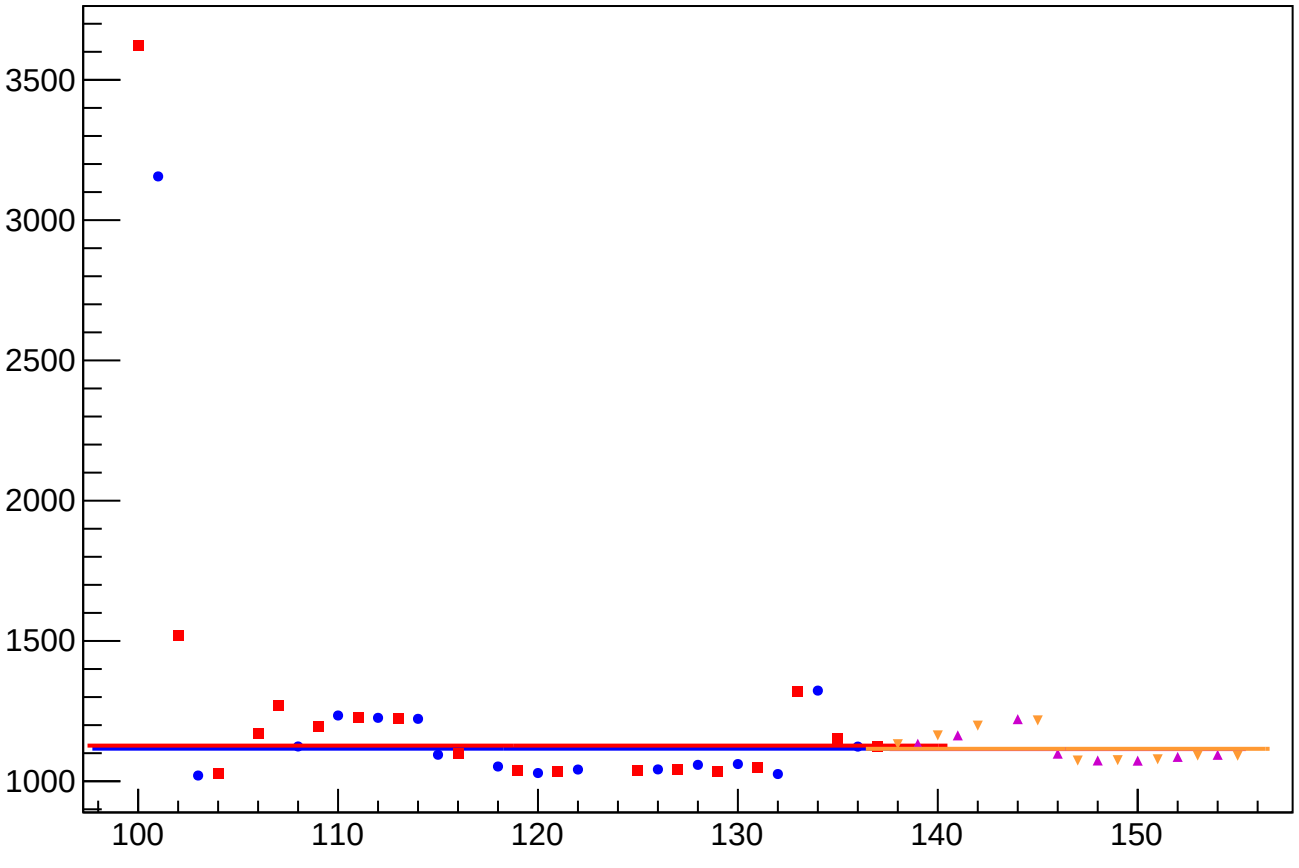
Left: -91.520+/-297.671 χ^2/NDF: 15.0/16

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 171.651+/-298.990 χ^2/NDF:26.4/23

Out: -29.504+/-299.528 χ^2/NDF:22.2/26

All: 71.255+/-211.608 χ^2/NDF: 48.8/50



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1115.573+/-0.298 χ^2/NDF:27156.4/8

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1114.588+/-0.298 χ^2/NDF:24537.0/7

Left: 1115.081+/-0.210 χ^2/NDF: 51698.9/16

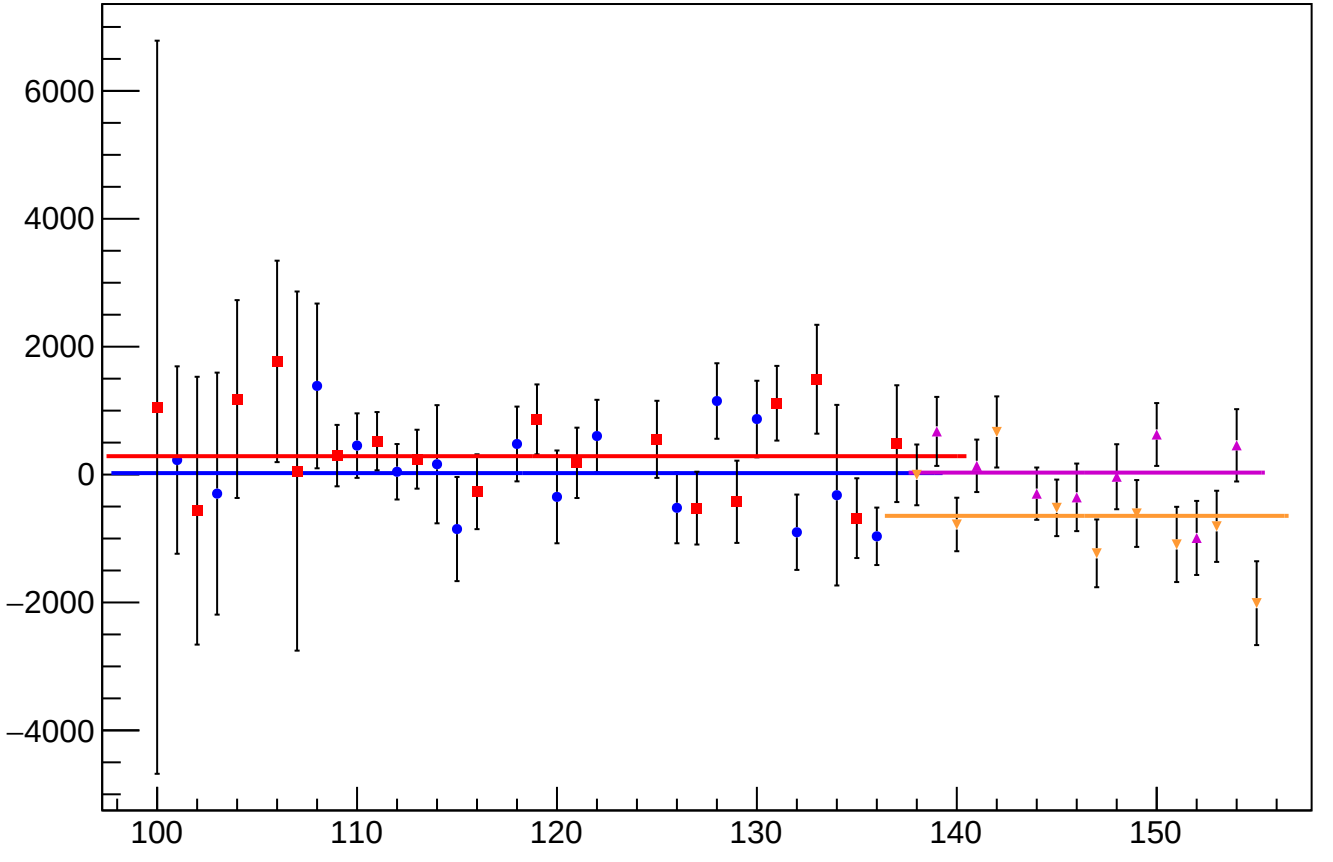
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1115.332+/-0.211 χ^2/NDF:647941.5/23

Out: 1121.194+/-0.212 χ^2/NDF:250619.0/26

All: 1118.258+/-0.150 χ^2/NDF: 898944.2/50

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: -645.460+/-171.085 χ^2/NDF:13.8/8

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 30.626+/-173.917 χ^2/NDF:7.8/7

Left: -312.966+/-121.964 χ^2/NDF: 29.3/16

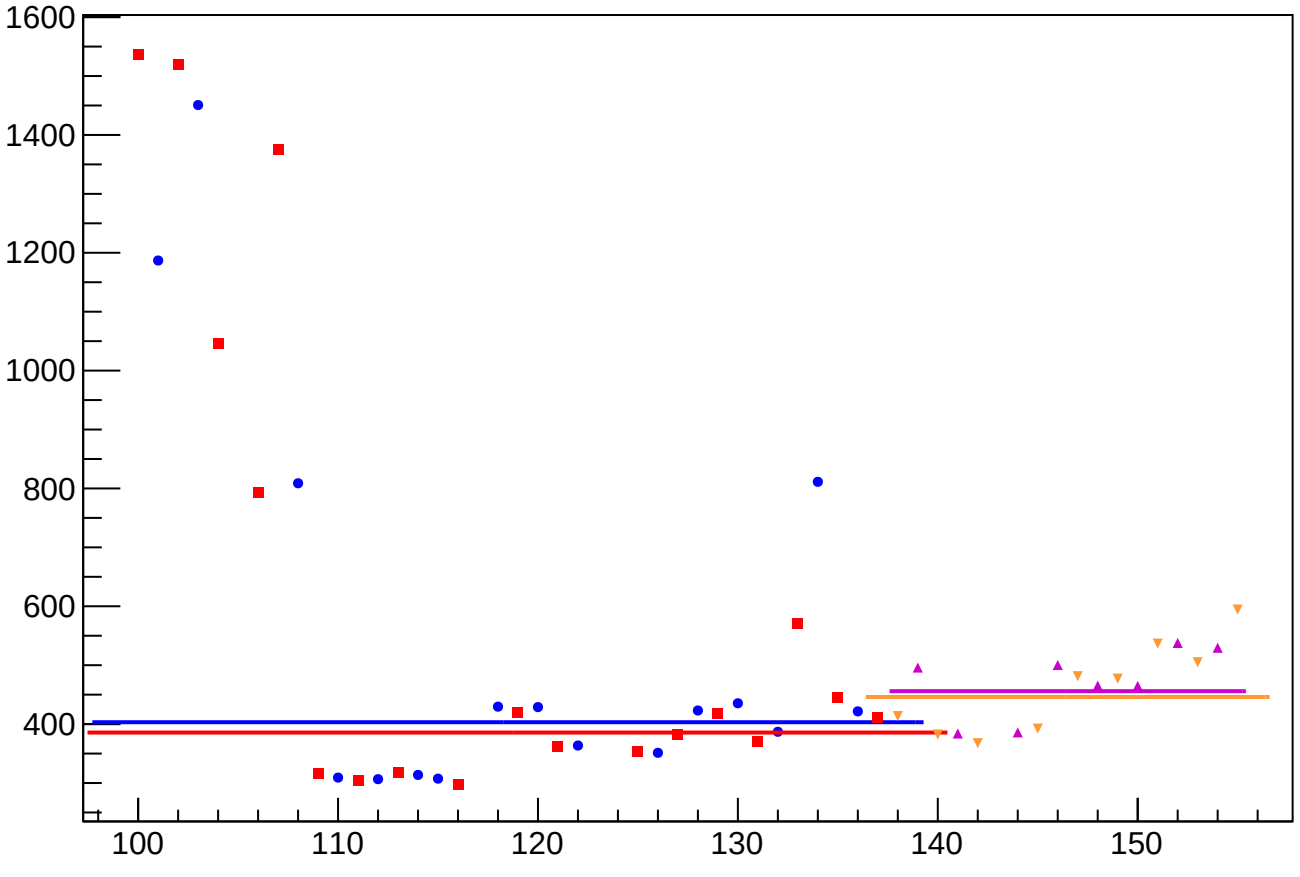
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 26.483+/-118.241 χ^2/NDF:26.8/23

Out: -136.609+/-115.359 χ^2/NDF:43.7/26

All: -57.075+/-82.571 χ^2/NDF: 71.5/50

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: 446.046+/-0.121 χ^2/NDF:313173.8/8

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 455.894+/-0.123 χ^2/NDF:220311.2/7

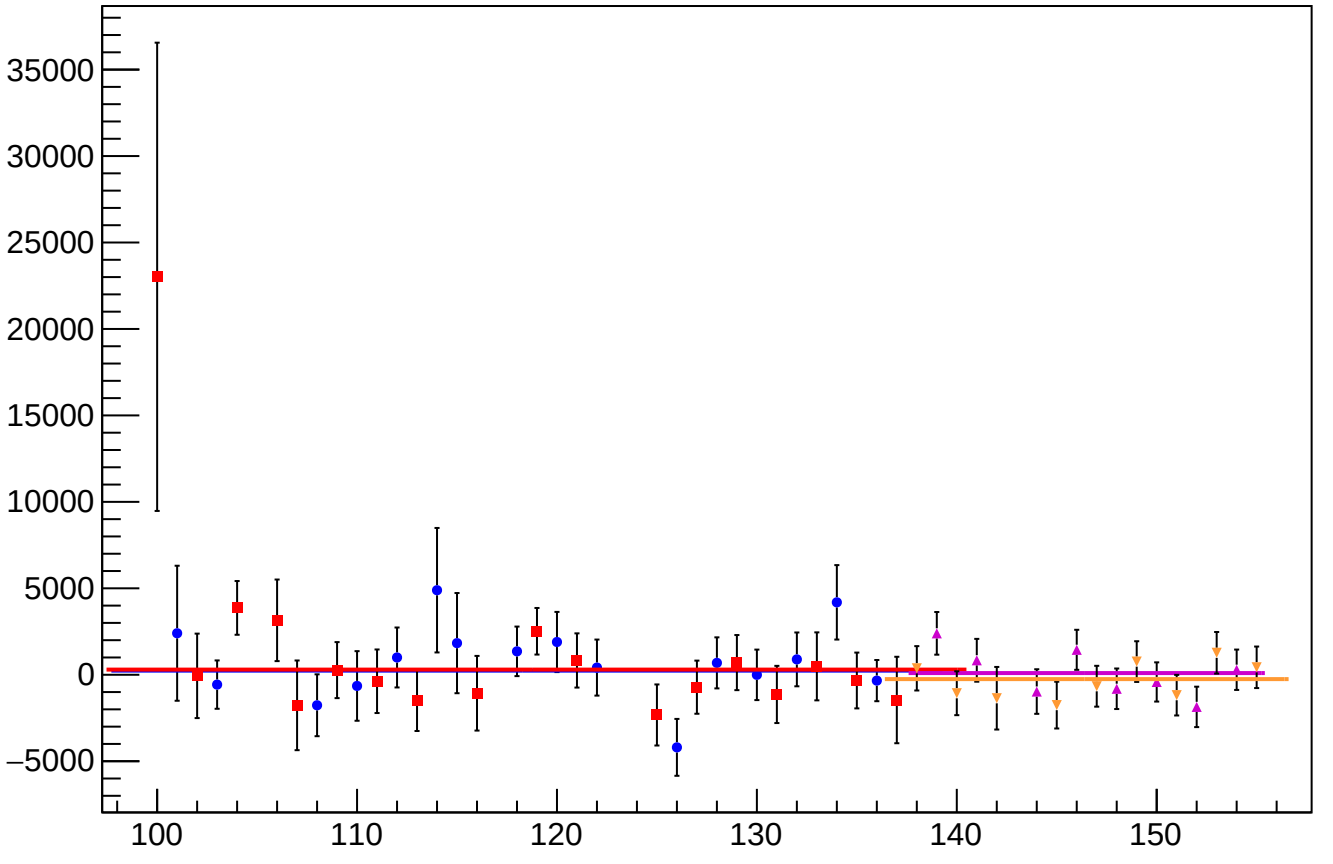
Left: 450.889+/-0.086 χ^2/NDF: 536744.1/16

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 427.547+/-0.084 χ^2/NDF:2131222.7/23

Out: 413.126+/-0.082 χ^2/NDF:2196105.8/26

All: 420.159+/-0.058 χ^2/NDF: 4342569.6/50



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -250.991+/-421.422 χ^2/NDF:5.7/8

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 98.410+/-421.494 χ^2/NDF:9.5/7

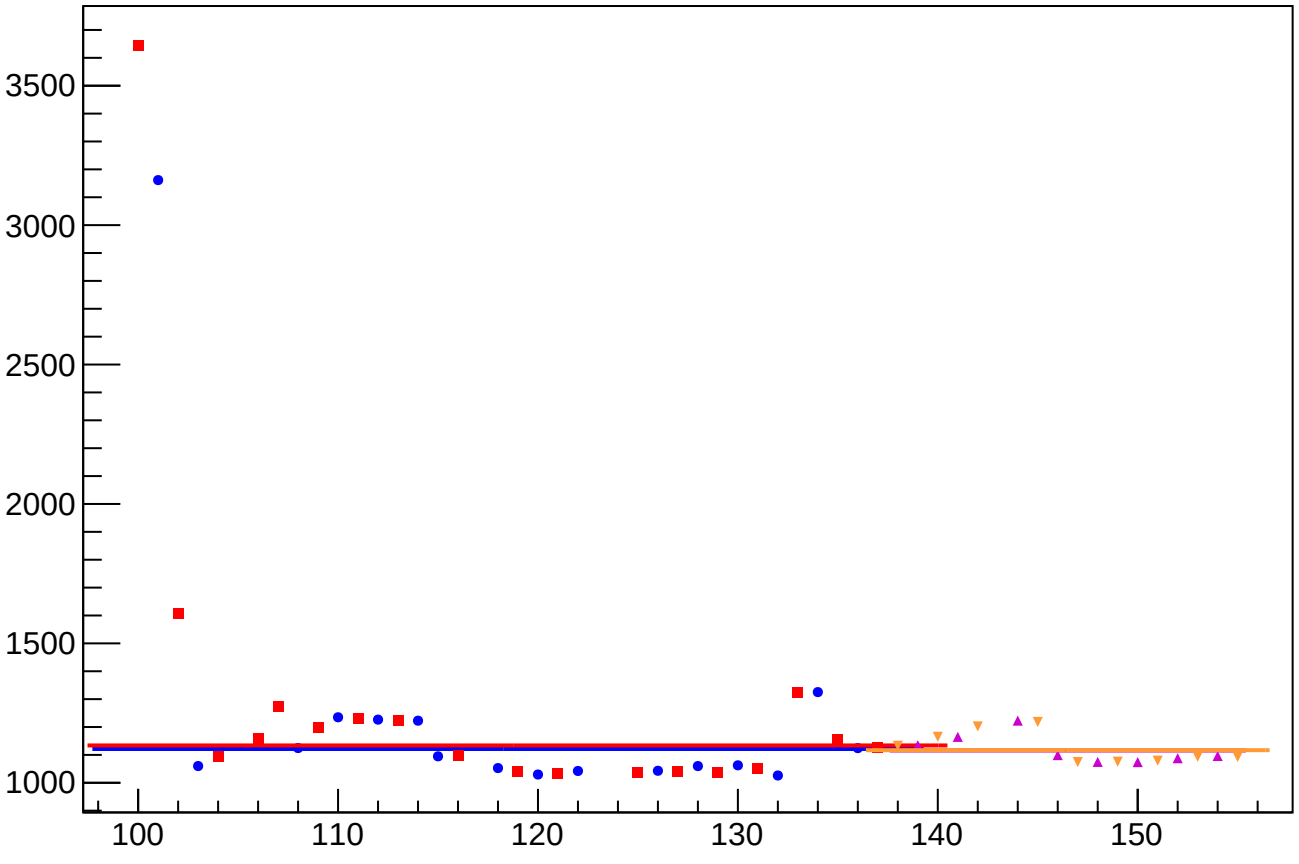
Left: -76.320+/-298.016 χ^2/NDF: 15.5/16

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 168.762+/-299.828 χ^2/NDF:26.5/23

Out: 17.936+/-301.240 χ^2/NDF:25.2/26

All: 93.704+/-212.508 χ^2/NDF: 51.8/50



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1116.922+/-0.298 χ^2/NDF:27499.6/8

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1115.789+/-0.298 χ^2/NDF:24630.6/7

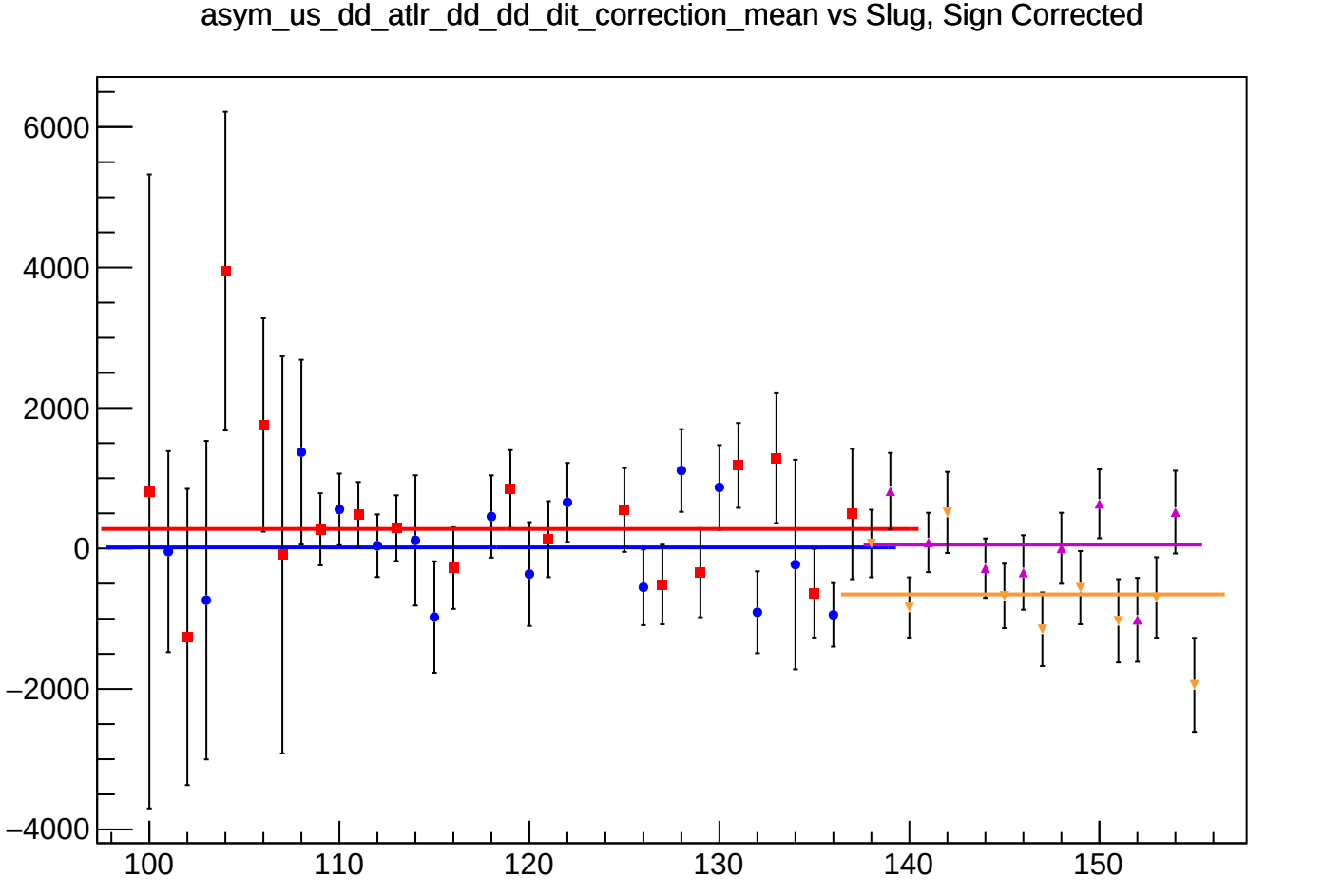
Left: 1116.356+/-0.211 χ^2/NDF: 52137.4/16

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

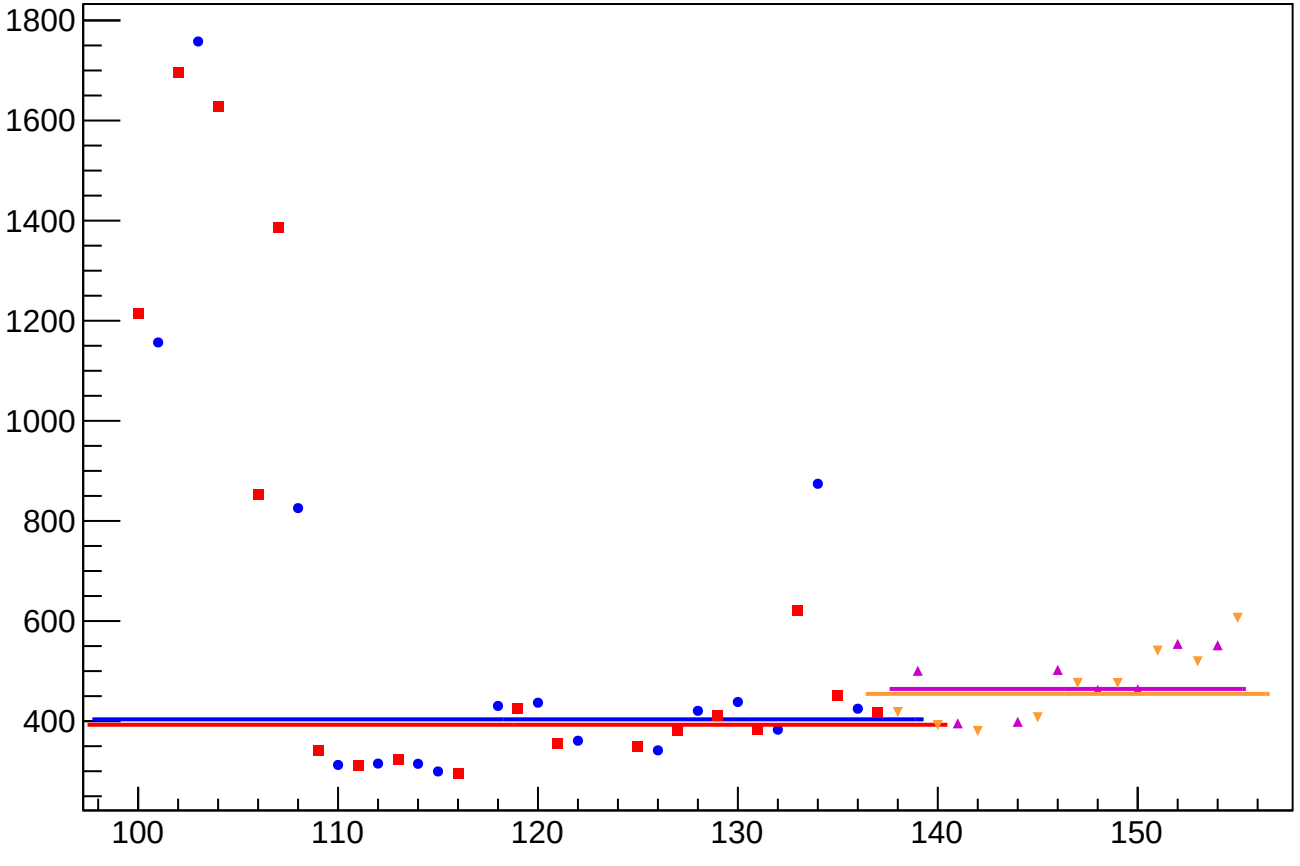
In: 1118.509+/-0.212 χ^2/NDF:641827.5/23

Out: 1125.239+/-0.213 χ^2/NDF:256549.6/26

All: 1121.858+/-0.150 χ^2/NDF: 898878.7/50


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: 15.291+/-161.845 χ²/NDF: 19.6/15
Left Out: -653.416+/-174.112 χ²/NDF:11.6/8
Right Out: 278.251+/-158.828 χ²/NDF: 15.1/17
Left In: 54.669+/-177.033 χ²/NDF:8.4/7
Left: -305.262+/-124.136 χ²/NDF: 28.1/16
Right: 149.246+/-113.360 χ²/NDF: 36.0/33
In: 33.219+/-119.451 χ²/NDF:28.0/23
Out: -144.901+/-117.340 χ²/NDF:42.3/26
All: -57.429+/-83.708 χ²/NDF: 71.5/50

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: 454.516+/-0.123 χ^2/NDF:285833.6/8

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 464.381+/-0.125 χ^2/NDF:209776.6/7

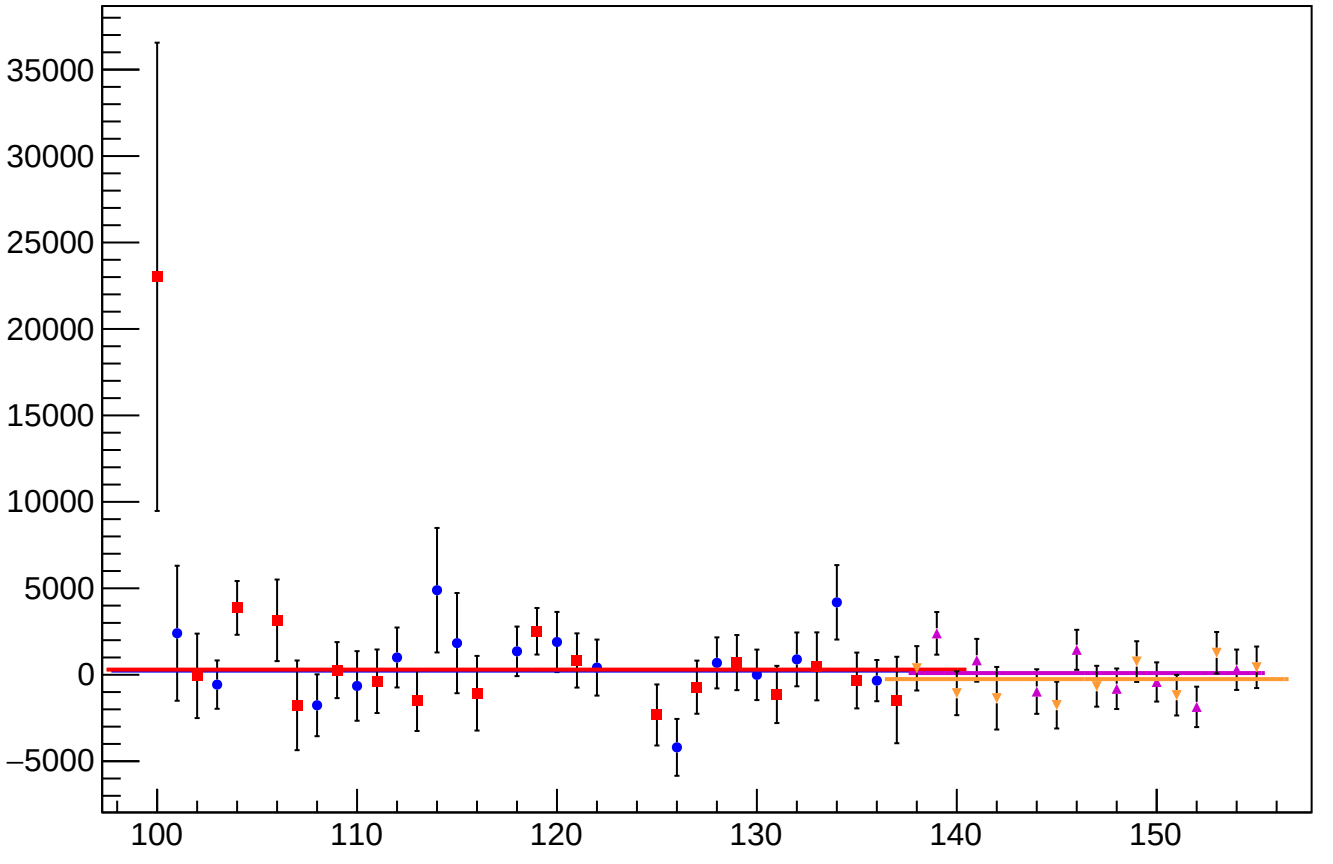
Left: 459.367+/-0.088 χ^2/NDF: 498766.9/16

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 431.302+/-0.084 χ^2/NDF:2267560.7/23

Out: 420.842+/-0.083 χ^2/NDF:2626355.2/26

All: 425.979+/-0.059 χ^2/NDF: 4901721.2/50



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -250.999+/-421.423 χ^2/NDF:5.7/8

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 98.409+/-421.494 χ^2/NDF:9.5/7

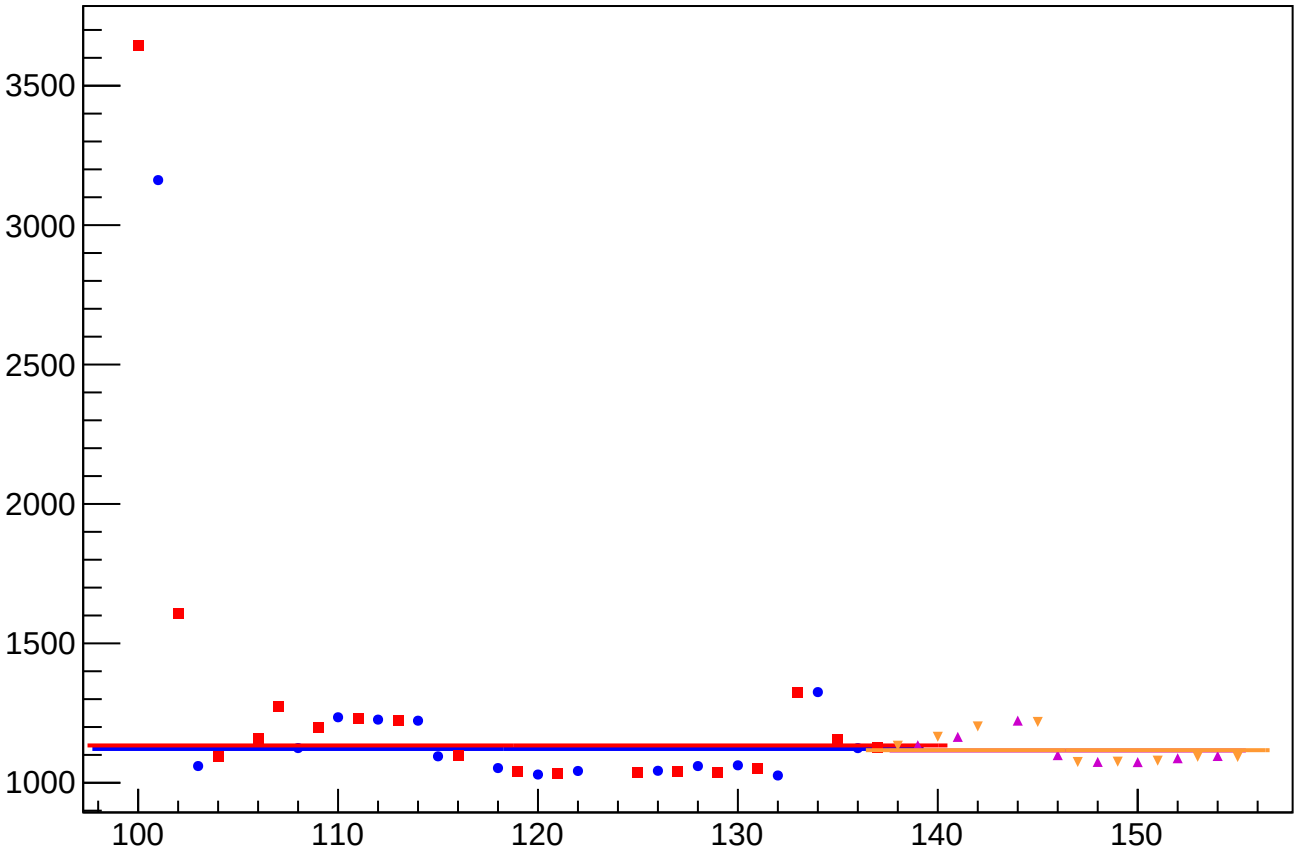
Left: -76.325+/-298.016 χ^2/NDF: 15.5/16

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 168.763+/-299.828 χ^2/NDF:26.5/23

Out: 17.932+/-301.240 χ^2/NDF:25.2/26

All: 93.702+/-212.508 χ^2/NDF: 51.8/50



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1116.922+/-0.298 χ^2/NDF:27499.6/8

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1115.789+/-0.298 χ^2/NDF:24630.7/7

Left: 1116.356+/-0.211 χ^2/NDF: 52137.5/16

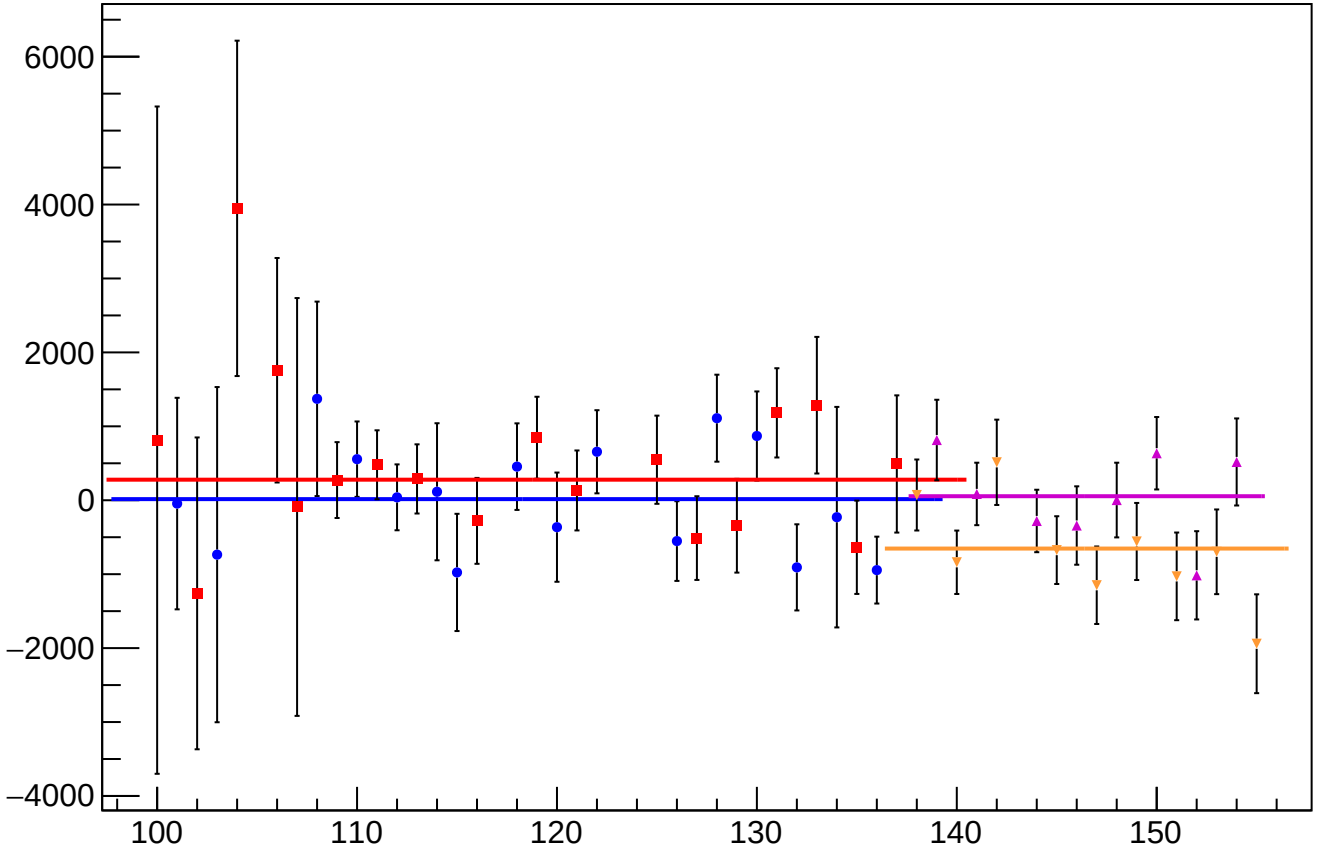
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1118.509+/-0.212 χ^2/NDF:641827.5/23

Out: 1125.239+/-0.213 χ^2/NDF:256549.7/26

All: 1121.858+/-0.150 χ^2/NDF: 898878.8/50

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: -653.423+/-174.113 χ^2/NDF:11.6/8

Right Out: 278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 54.673+/-177.034 χ^2/NDF:8.4/7

Left: -305.265+/-124.136 χ^2/NDF: 28.1/16

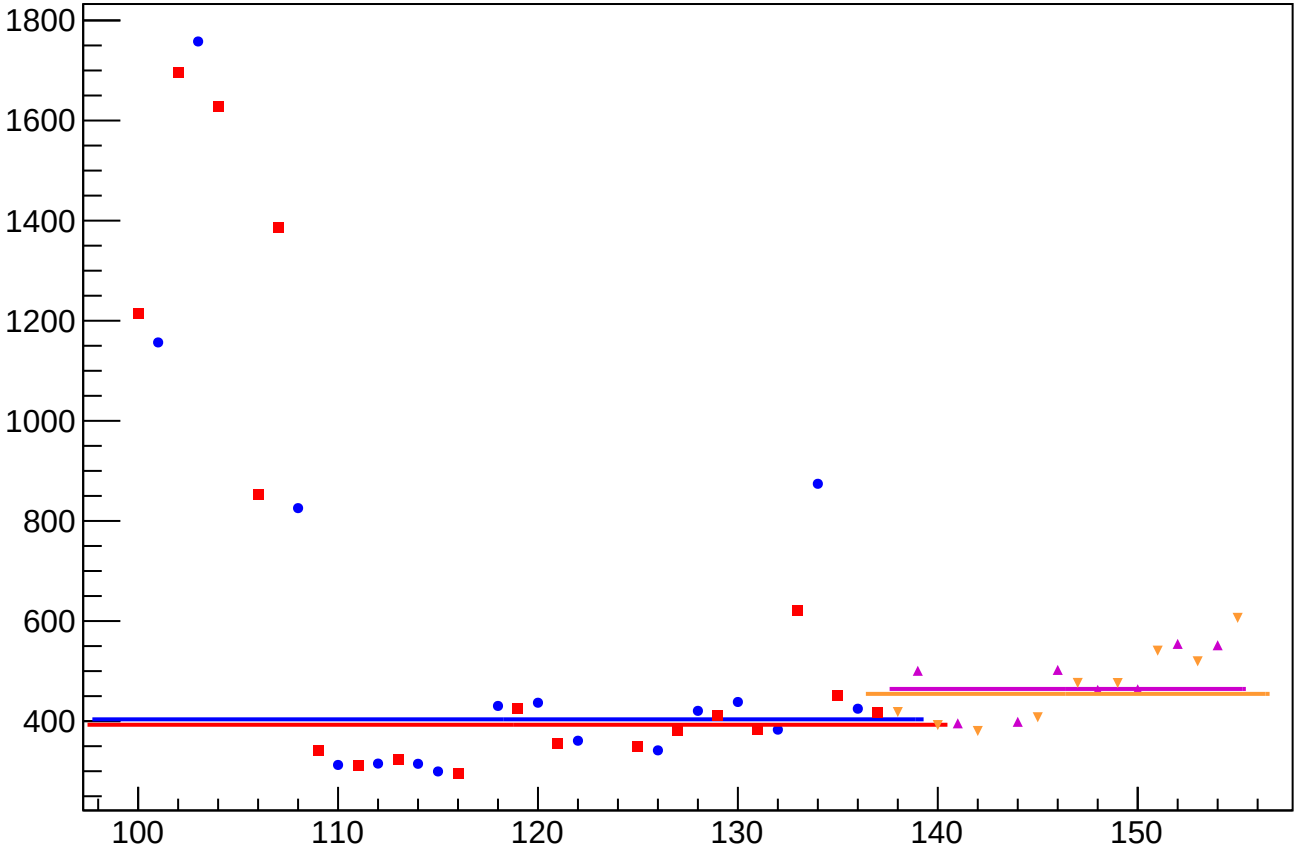
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: 33.218+/-119.451 χ^2/NDF:28.0/23

Out: -144.901+/-117.340 χ^2/NDF:42.3/26

All: -57.429+/-83.708 χ^2/NDF: 71.5/50

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: 454.517+/-0.123 χ^2/NDF:285848.1/8

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 464.383+/-0.125 χ^2/NDF:209782.5/7

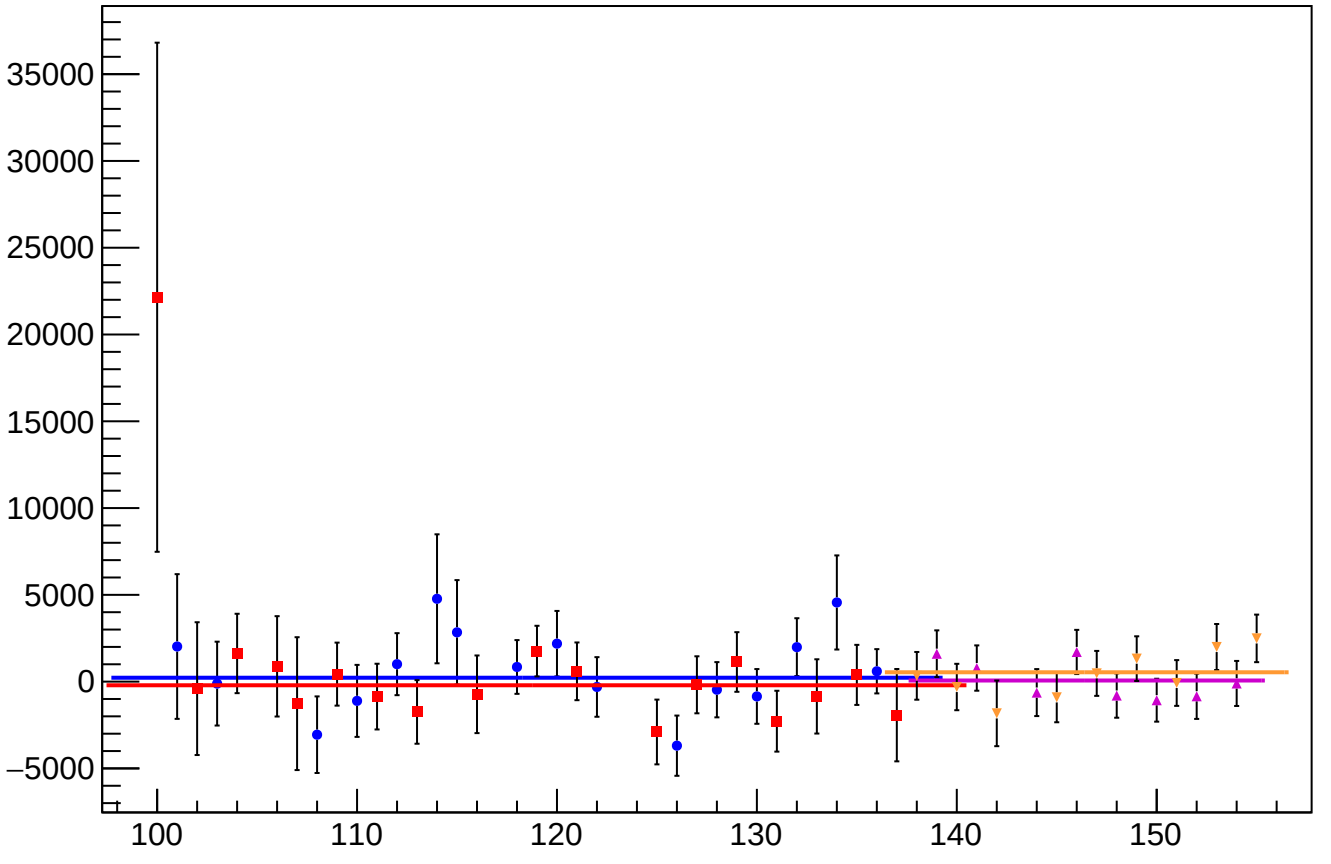
Left: 459.368+/-0.088 χ^2/NDF: 498788.2/16

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 431.301+/-0.084 χ^2/NDF:2267586.0/23

Out: 420.840+/-0.083 χ^2/NDF:2626394.6/26

All: 425.978+/-0.059 χ^2/NDF: 4901787.0/50



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 539.220+/-459.761 χ^2/NDF:6.8/8

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 64.711+/-458.925 χ^2/NDF:5.3/7

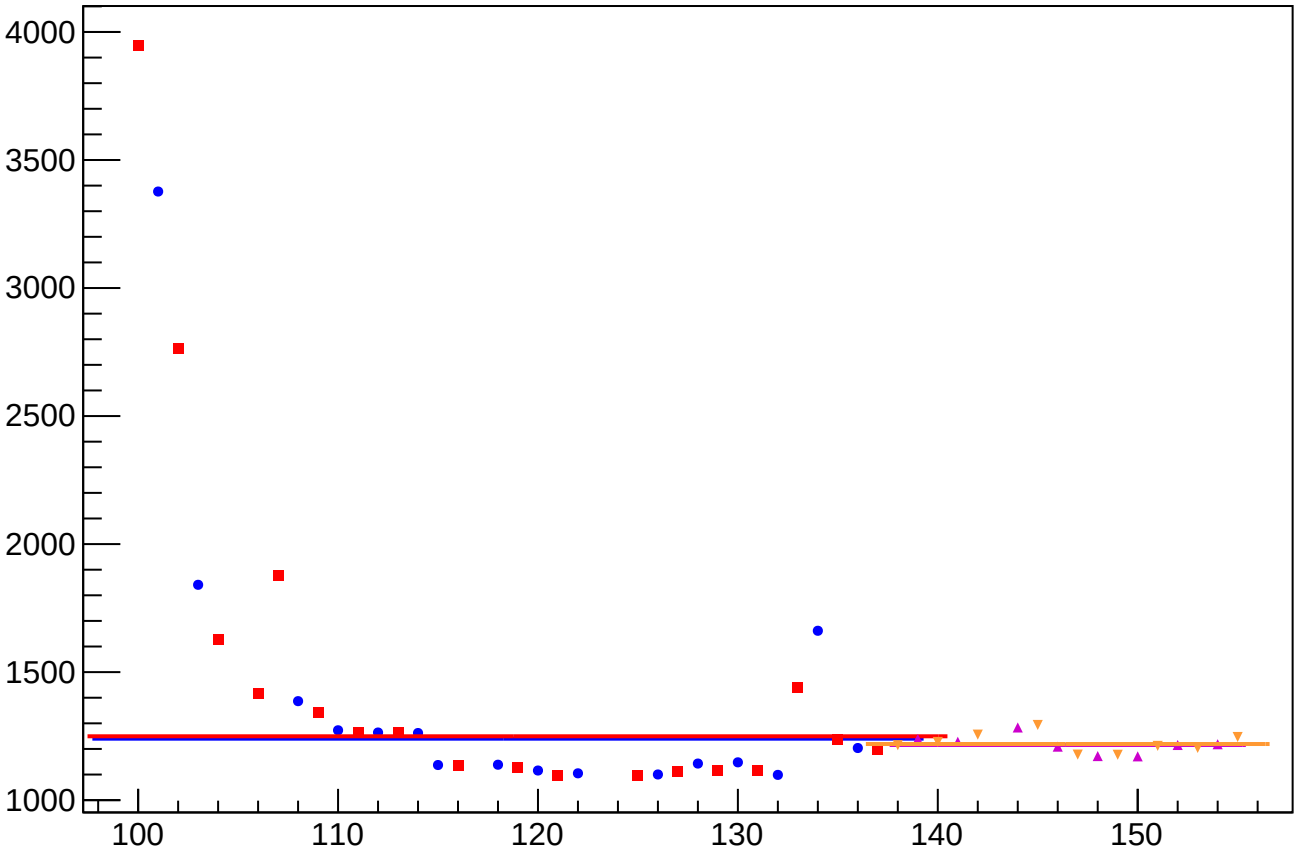
Left: 301.533+/-324.804 χ^2/NDF: 12.7/16

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 142.083+/-329.897 χ^2/NDF:21.5/23

Out: 179.155+/-331.301 χ^2/NDF:19.1/26

All: 160.541+/-233.767 χ^2/NDF: 40.6/50



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1219.244+/-0.325 χ^2/NDF:11514.9/8

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1215.442+/-0.325 χ^2/NDF:10840.2/7

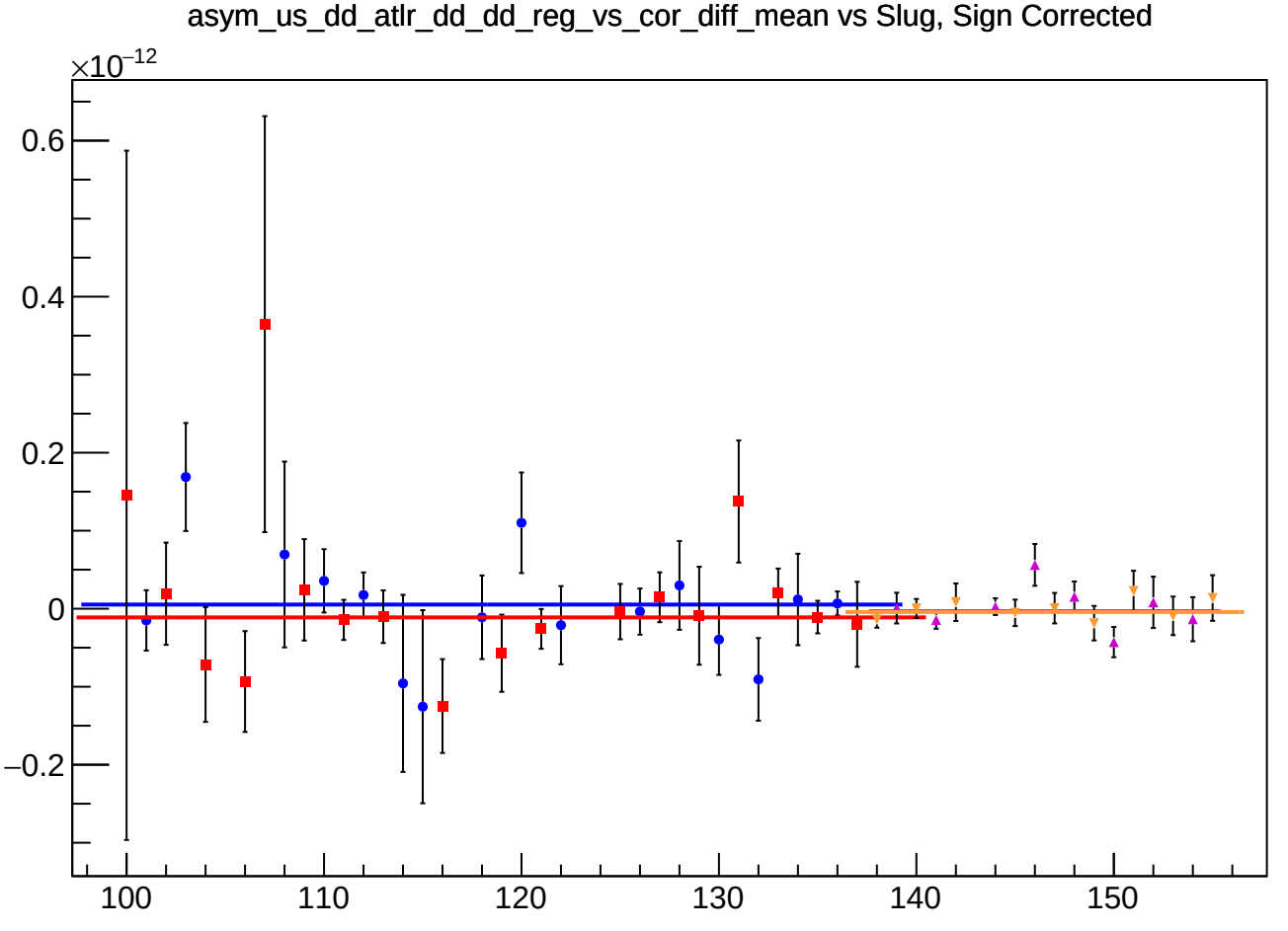
Left: 1217.339+/-0.230 χ^2/NDF: 22423.6/16

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1227.377+/-0.233 χ^2/NDF:796319.2/23

Out: 1233.746+/-0.234 χ^2/NDF:621753.4/26

All: 1230.548+/-0.165 χ^2/NDF: 1418443.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/8

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

Left In: -0.000+/-0.000 χ^2/NDF:11.5/7

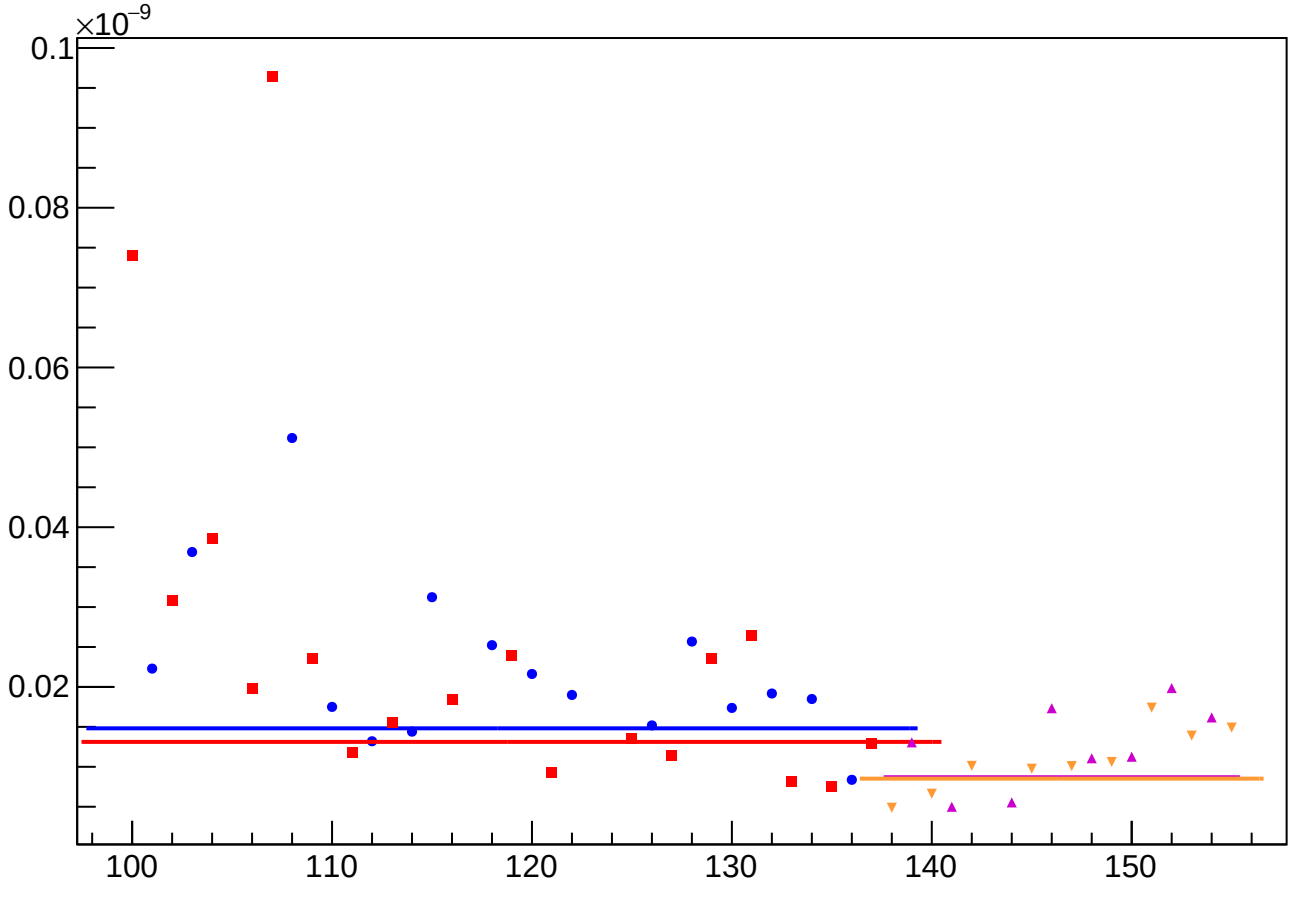
Left: -0.000+/-0.000 χ^2/NDF: 14.7/16

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: -0.000+/-0.000 χ^2/NDF:28.5/23

Out: -0.000+/-0.000 χ^2/NDF:18.6/26

All: -0.000+/-0.000 χ^2/NDF: 47.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:758492.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1126098.3/7

Left: 0.000+/-0.000 χ^2/NDF: 1885503.5/16

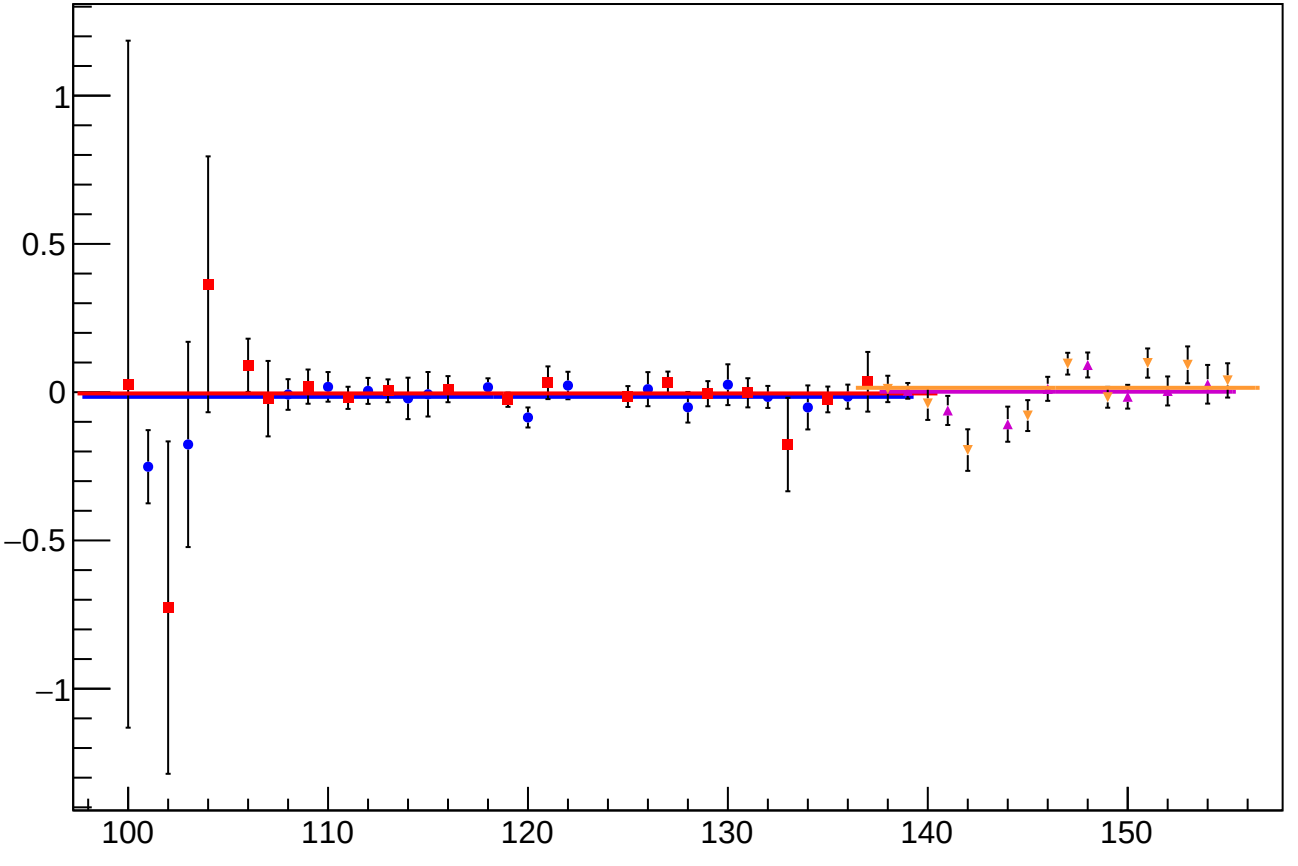
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2788123.2/23

Out: 0.000+/-0.000 χ^2/NDF:2289126.2/26

All: 0.000+/-0.000 χ^2/NDF: 5091949.6/50

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: 0.015+/-0.016 χ^2/NDF:23.5/8

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.002+/-0.015 χ^2/NDF:10.1/7

Left: 0.008+/-0.011 χ^2/NDF: 33.9/16

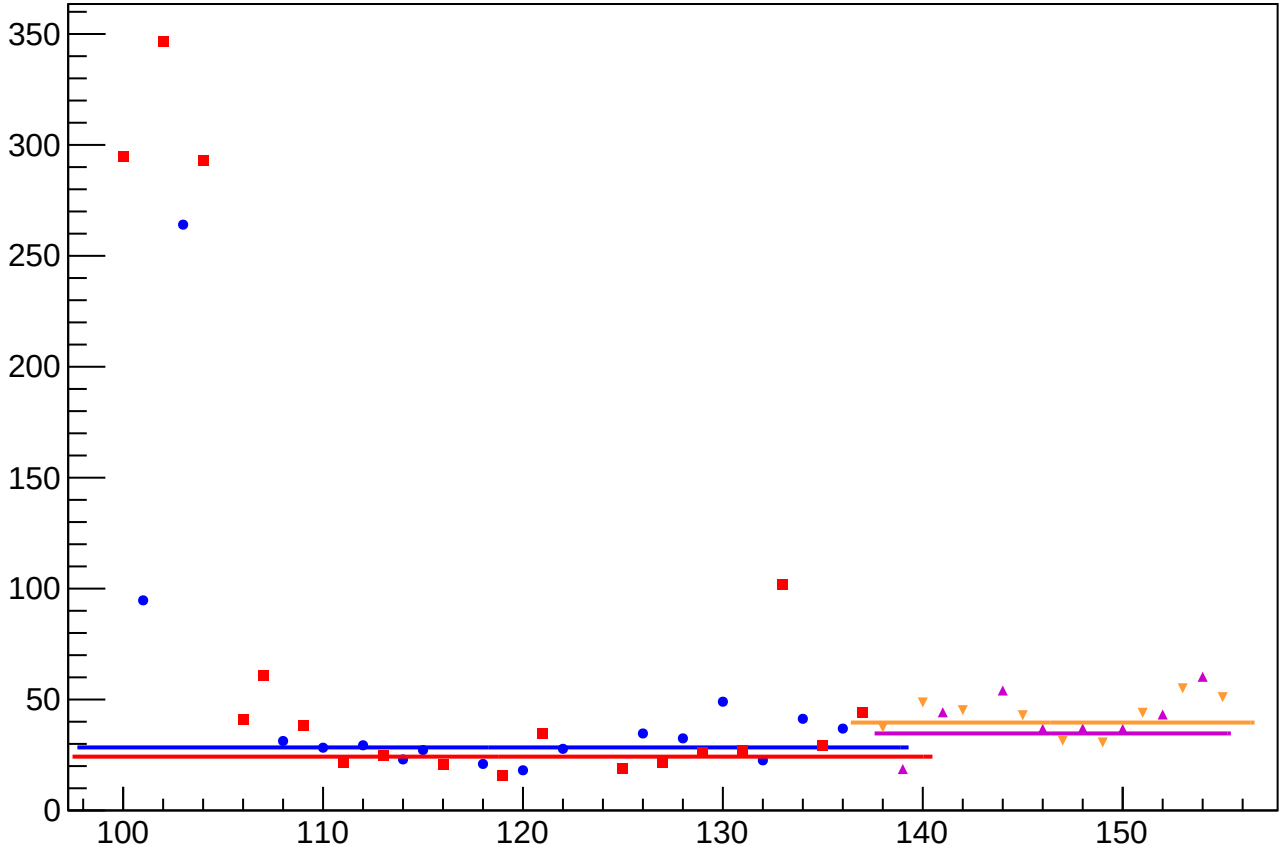
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.009 χ^2/NDF:22.8/23

Out: 0.002+/-0.009 χ^2/NDF:32.3/26

All: -0.003+/-0.007 χ^2/NDF: 55.7/50

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: 39.626+/-0.011 χ^2/NDF:526334.4/8

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.716+/-0.010 χ^2/NDF:1406778.3/7

Left: 36.983+/-0.008 χ^2/NDF: 2034928.5/16

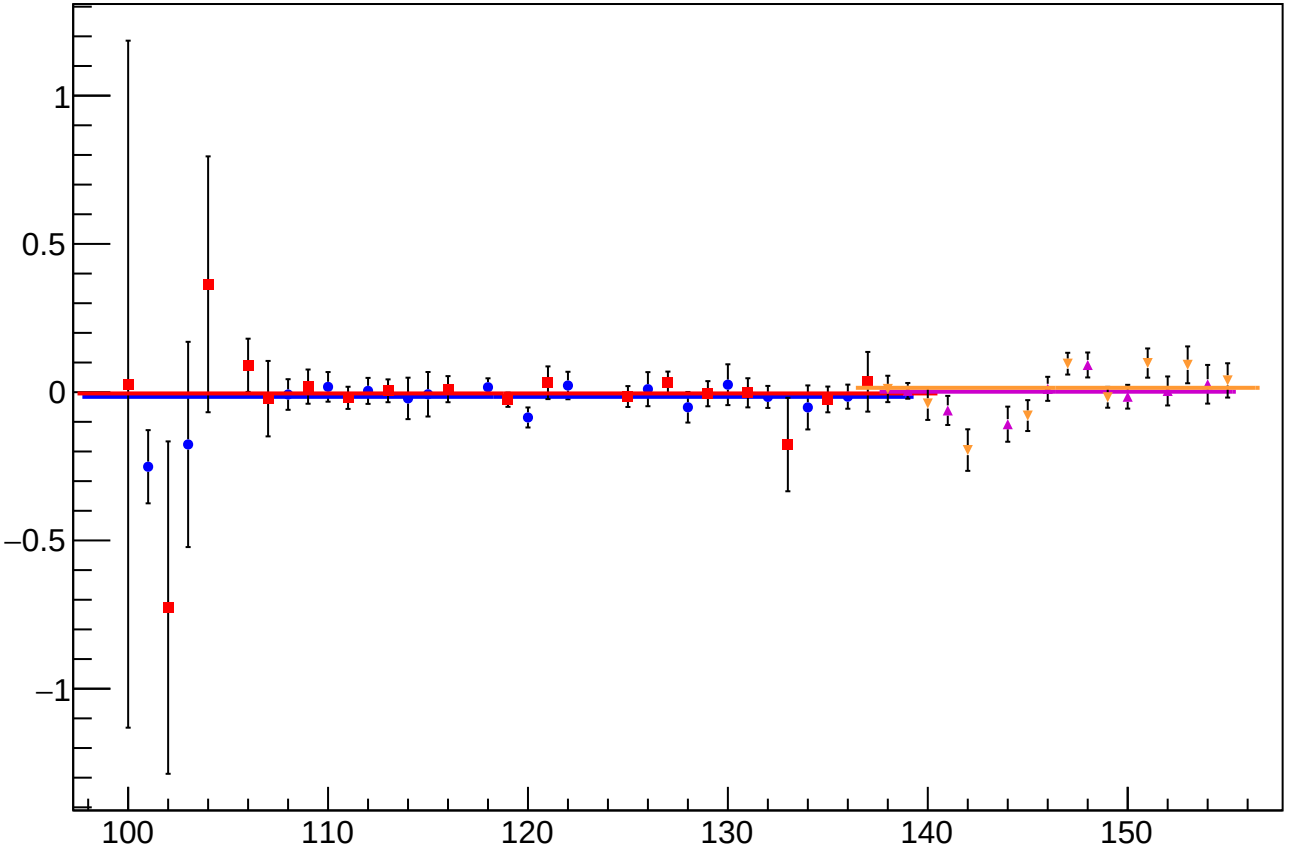
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 30.991+/-0.007 χ^2/NDF:3867250.1/23

Out: 29.469+/-0.007 χ^2/NDF:4664950.0/26

All: 30.217+/-0.005 χ^2/NDF: 8558537.0/50

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: 0.015+/-0.016 χ^2/NDF:23.5/8

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.002+/-0.015 χ^2/NDF:10.1/7

Left: 0.008+/-0.011 χ^2/NDF: 33.9/16

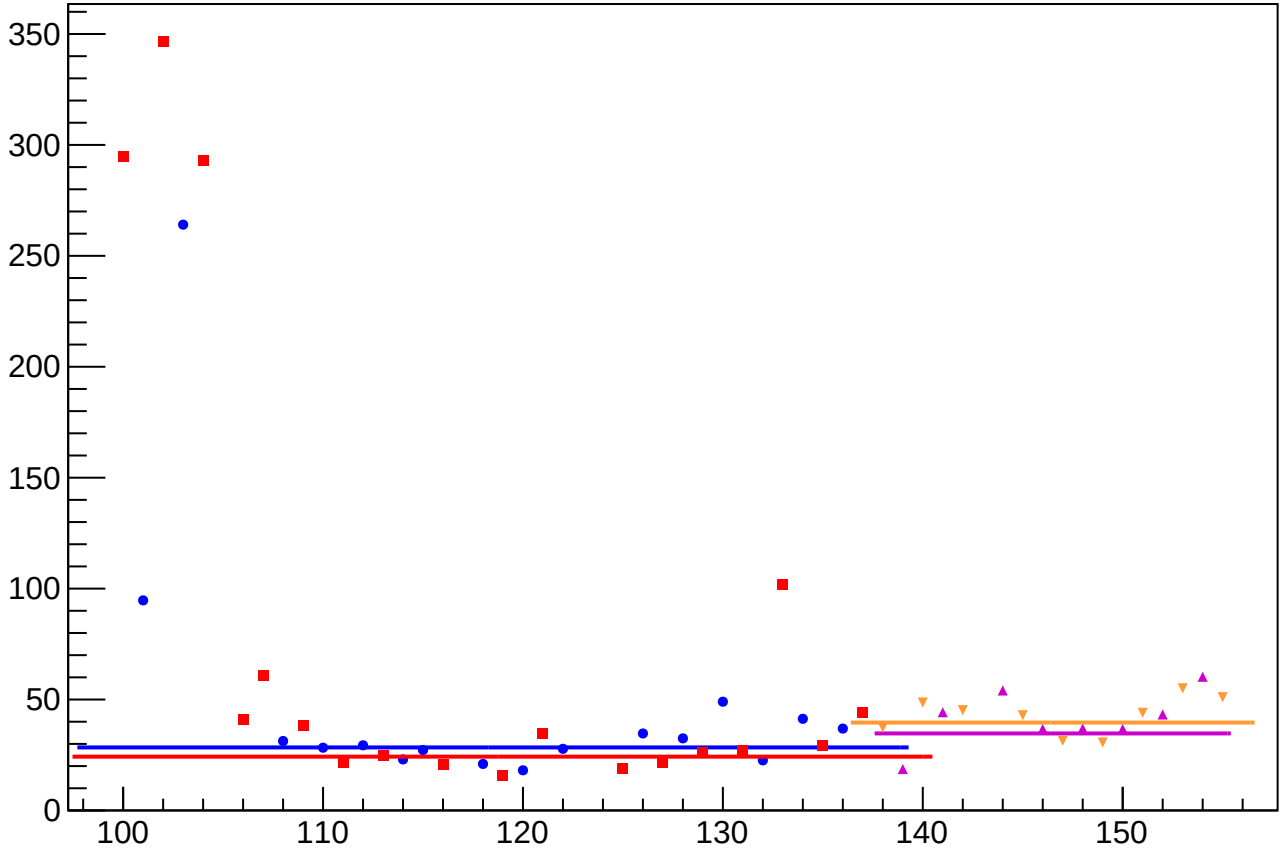
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.009 χ^2/NDF:22.8/23

Out: 0.002+/-0.009 χ^2/NDF:32.3/26

All: -0.003+/-0.007 χ^2/NDF: 55.7/50

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: 39.626+/-0.011 χ^2/NDF:526334.4/8

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.716+/-0.010 χ^2/NDF:1406778.3/7

Left: 36.983+/-0.008 χ^2/NDF: 2034928.5/16

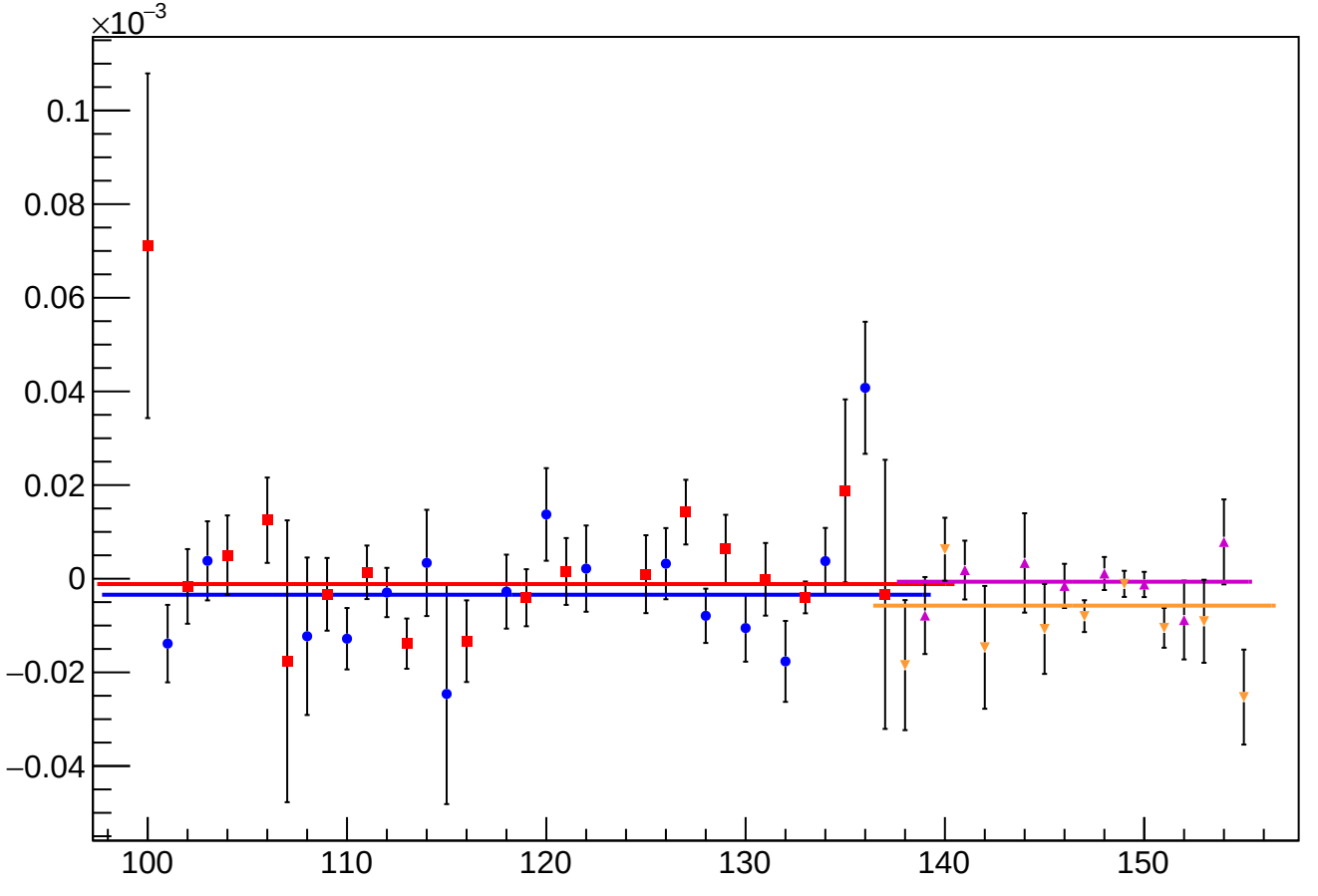
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 30.991+/-0.007 χ^2/NDF:3867250.1/23

Out: 29.469+/-0.007 χ^2/NDF:4664950.0/26

All: 30.217+/-0.005 χ^2/NDF: 8558537.0/50

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/8

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: -0.000+/-0.000 χ^2/NDF:3.2/7

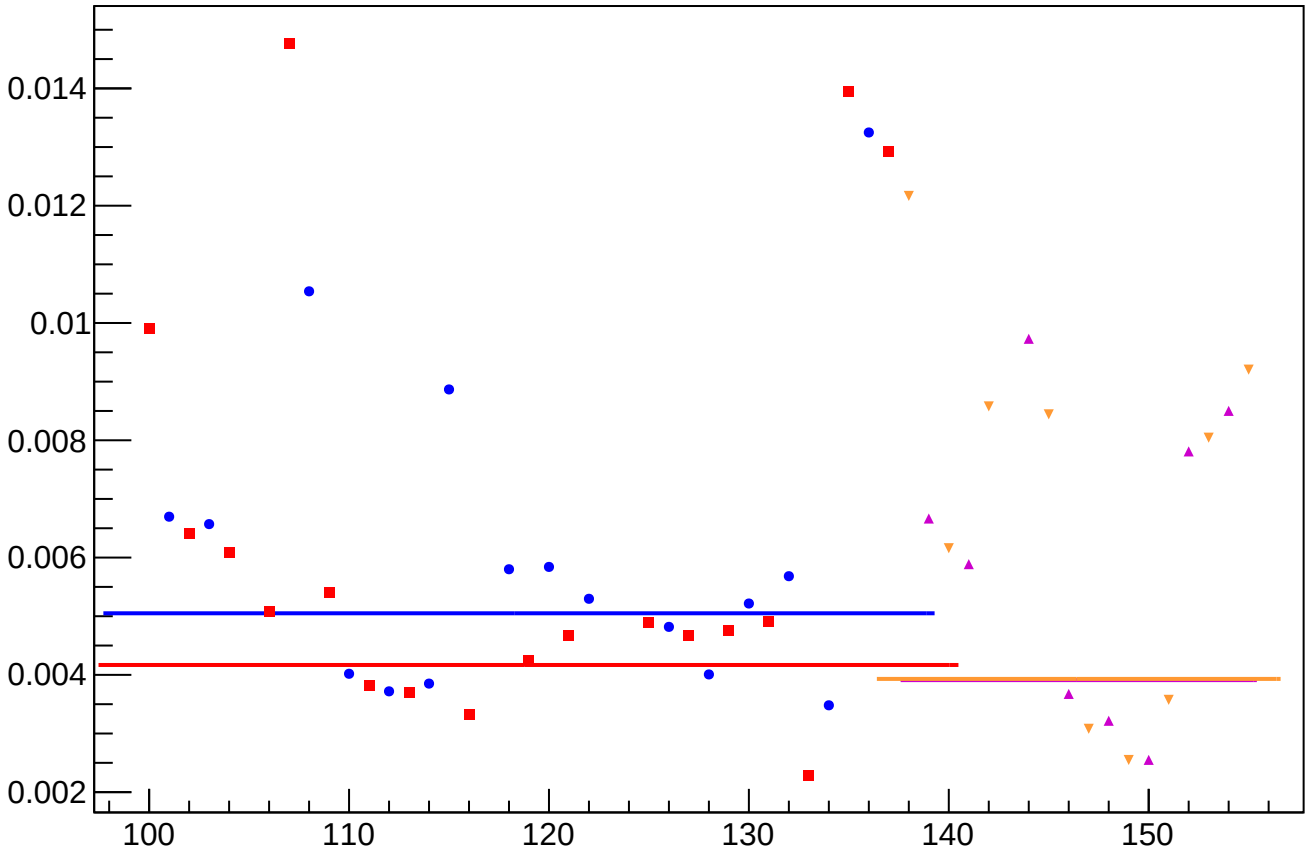
Left: -0.000+/-0.000 χ^2/NDF: 20.7/16

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:29.4/23

Out: -0.000+/-0.000 χ^2/NDF:39.7/26

All: -0.000+/-0.000 χ^2/NDF: 69.9/50



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3217565.2/8

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:2558215.5/7

Left: 0.004+/-0.000 χ^2/NDF: 5775921.3/16

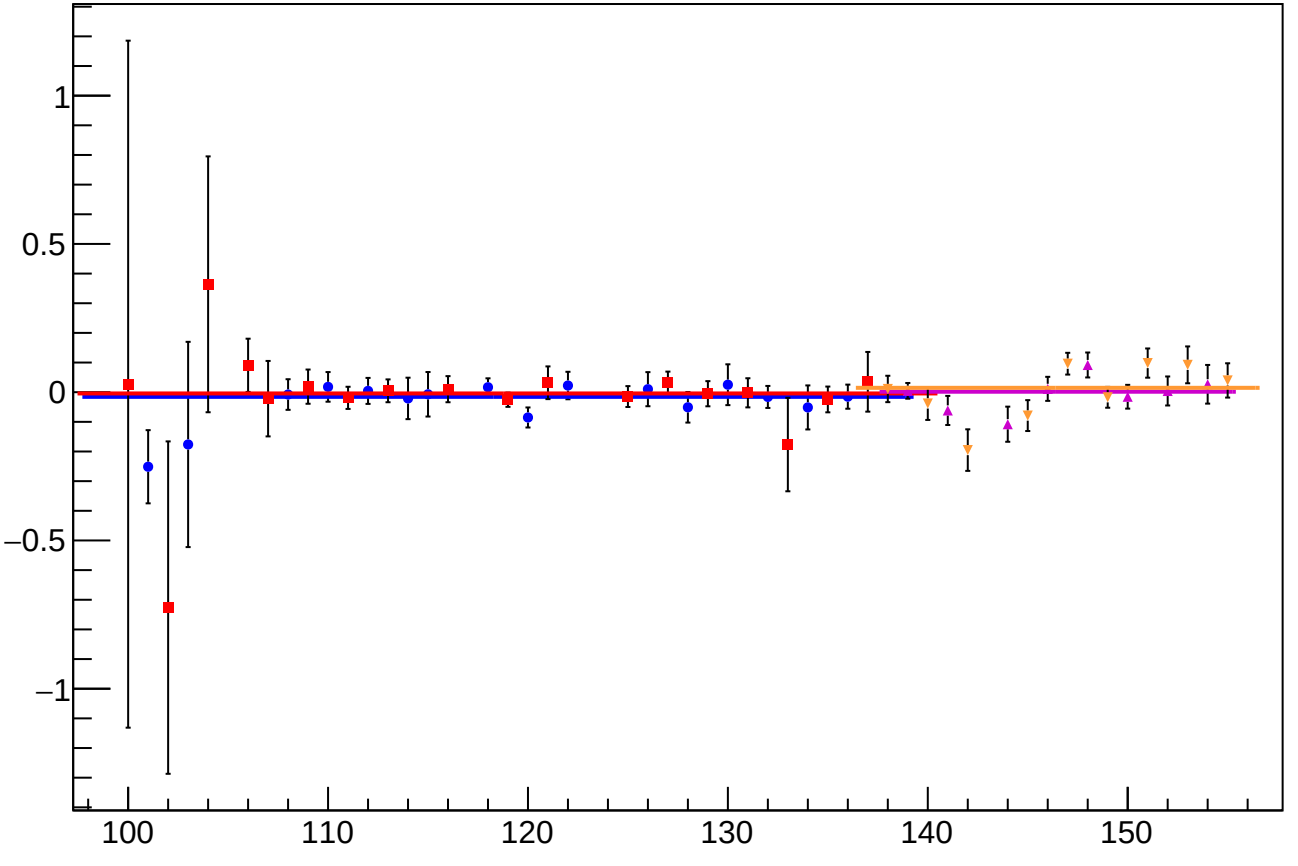
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:4420492.0/23

Out: 0.004+/-0.000 χ^2/NDF:5278829.9/26

All: 0.004+/-0.000 χ^2/NDF: 9770570.6/50

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: 0.015+/-0.016 χ^2/NDF:23.5/8

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.002+/-0.015 χ^2/NDF:10.1/7

Left: 0.008+/-0.011 χ^2/NDF: 33.9/16

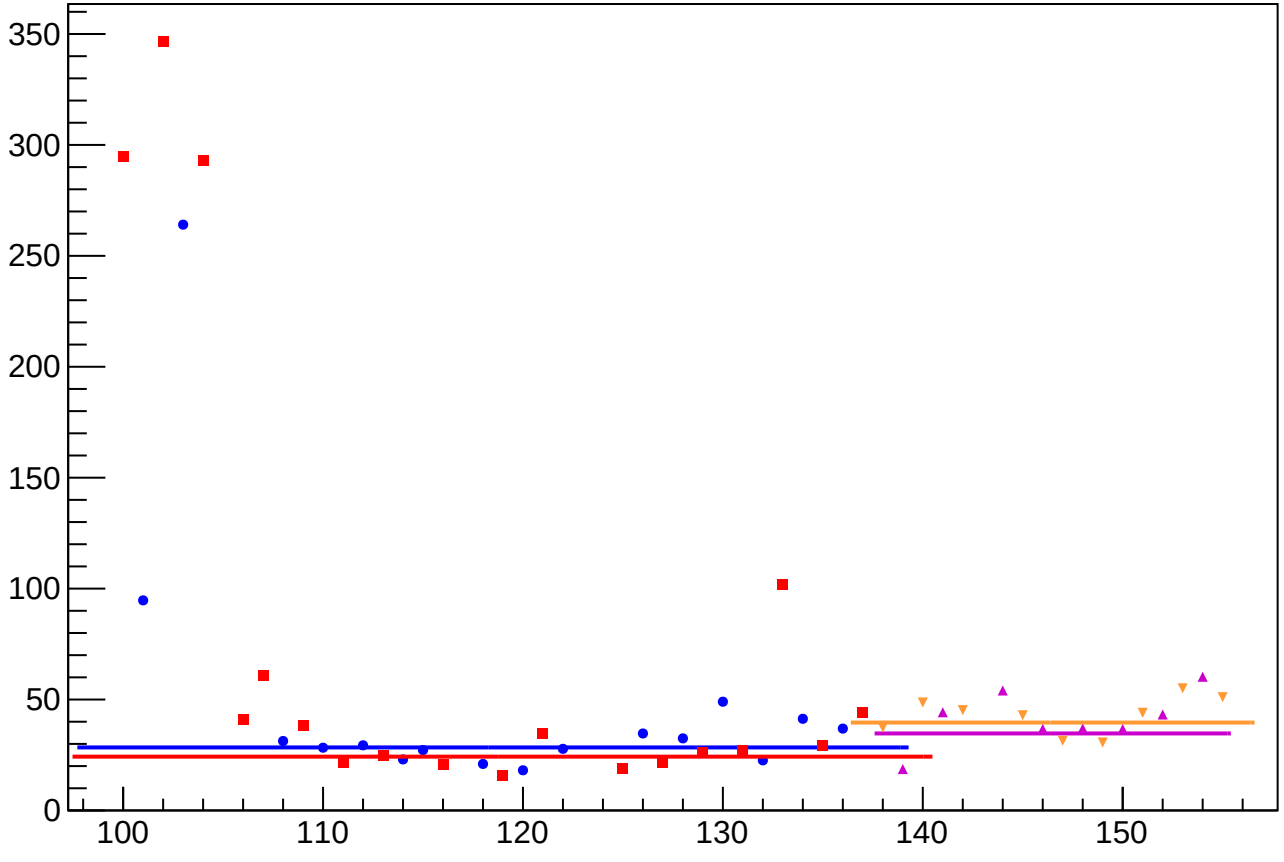
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.009 χ^2/NDF:22.8/23

Out: 0.002+/-0.009 χ^2/NDF:32.3/26

All: -0.003+/-0.007 χ^2/NDF: 55.7/50

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: 39.625+/-0.011 χ^2/NDF:526582.8/8

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.714+/-0.010 χ^2/NDF:1407297.7/7

Left: 36.982+/-0.008 χ^2/NDF: 2035755.4/16

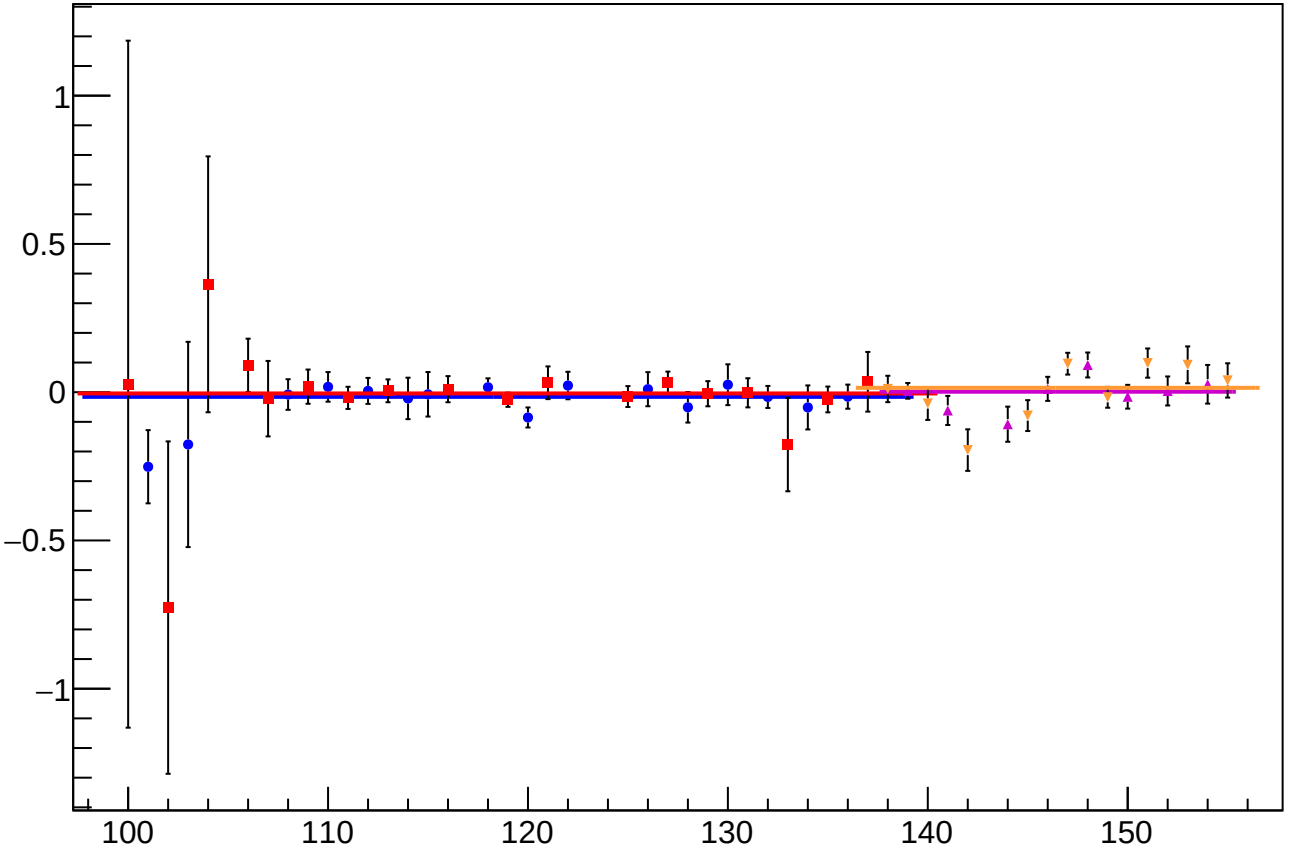
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 30.991+/-0.007 χ^2/NDF:3867656.1/23

Out: 29.468+/-0.007 χ^2/NDF:4665608.6/26

All: 30.216+/-0.005 χ^2/NDF: 8559630.5/50

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: 0.015+/-0.016 χ^2/NDF:23.5/8

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.002+/-0.015 χ^2/NDF:10.1/7

Left: 0.008+/-0.011 χ^2/NDF: 33.9/16

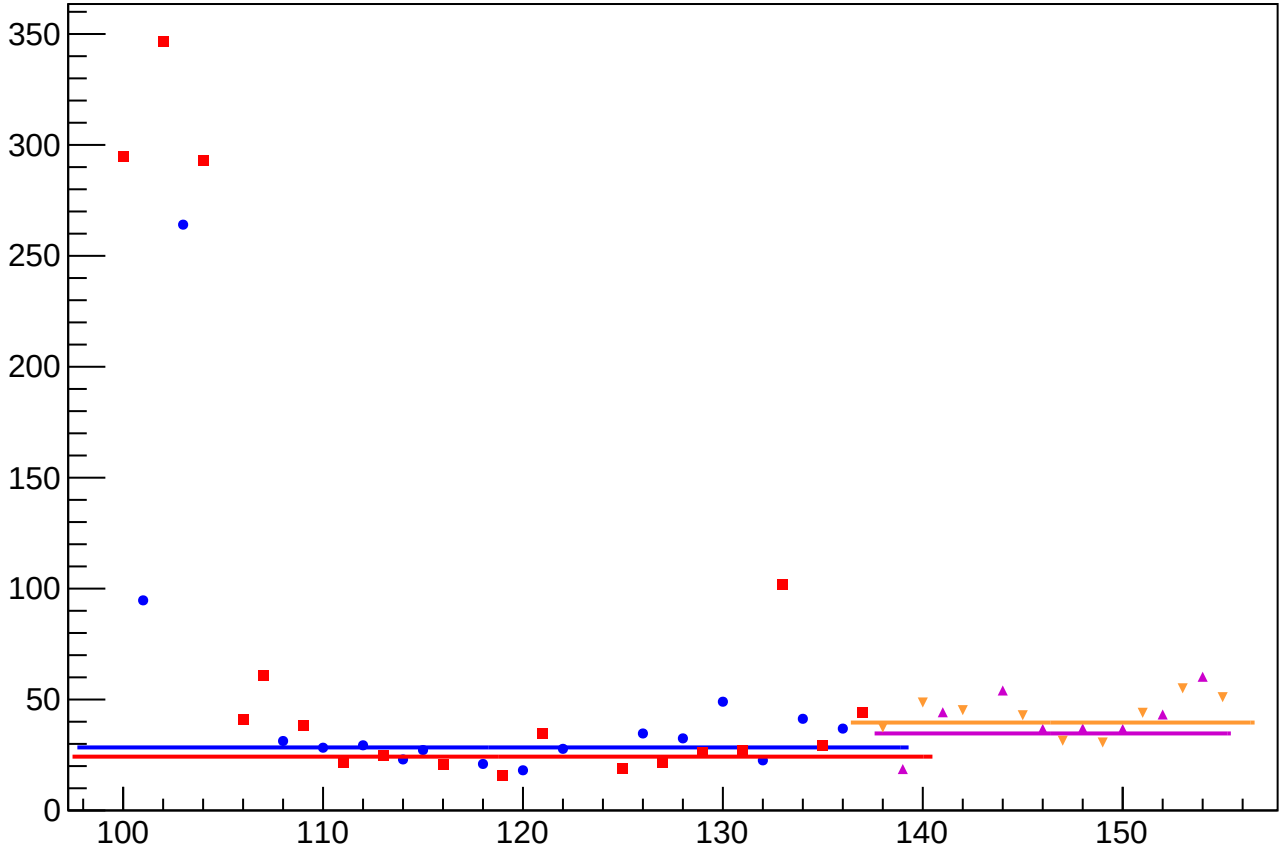
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.009 χ^2/NDF:22.8/23

Out: 0.002+/-0.009 χ^2/NDF:32.3/26

All: -0.003+/-0.007 χ^2/NDF: 55.7/50

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: 39.625+/-0.011 χ^2/NDF:526582.8/8

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.714+/-0.010 χ^2/NDF:1407297.7/7

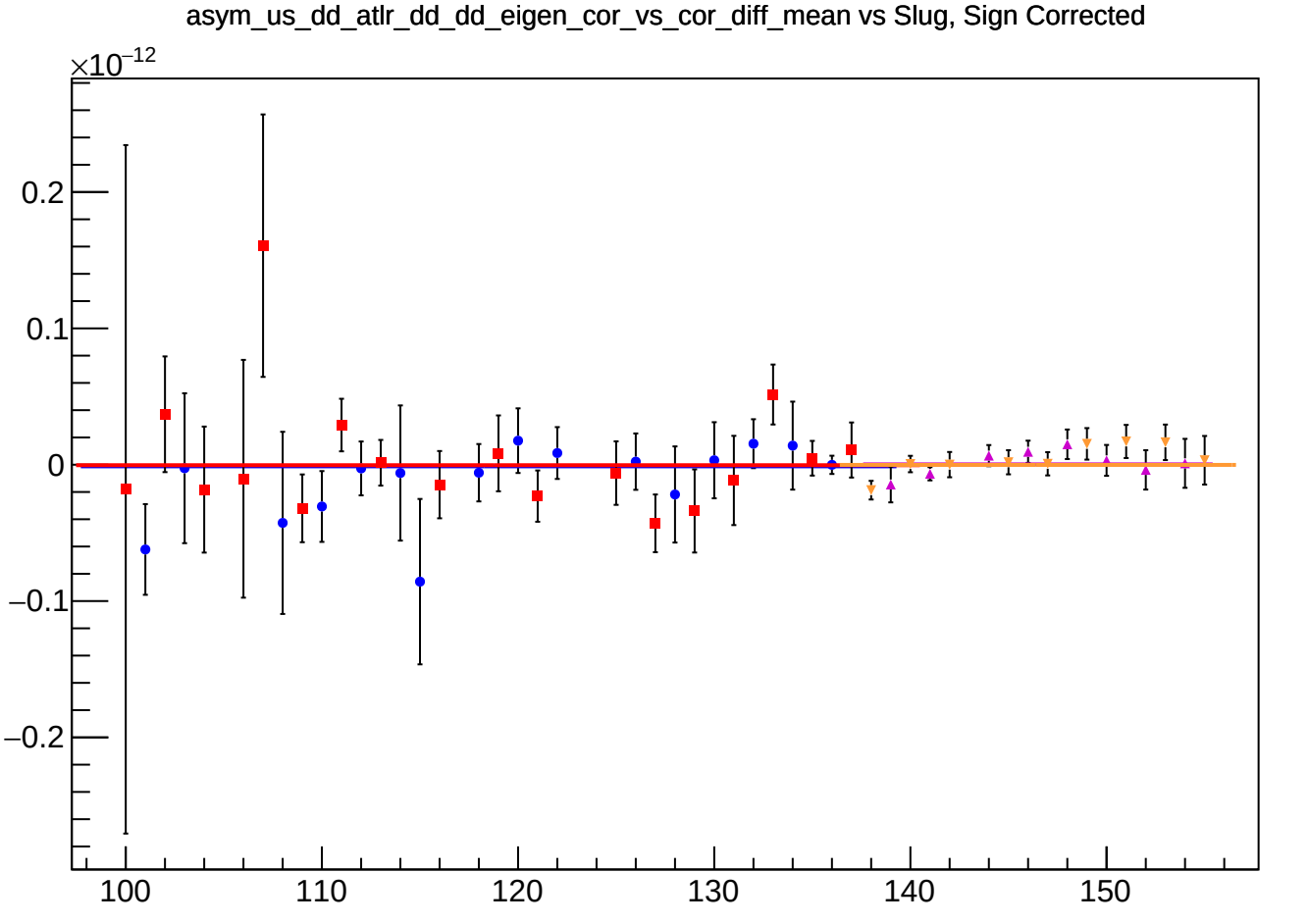
Left: 36.982+/-0.008 χ^2/NDF: 2035755.4/16

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 30.991+/-0.007 χ^2/NDF:3867656.1/23

Out: 29.468+/-0.007 χ^2/NDF:4665608.6/26

All: 30.216+/-0.005 χ^2/NDF: 8559630.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/8

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/7

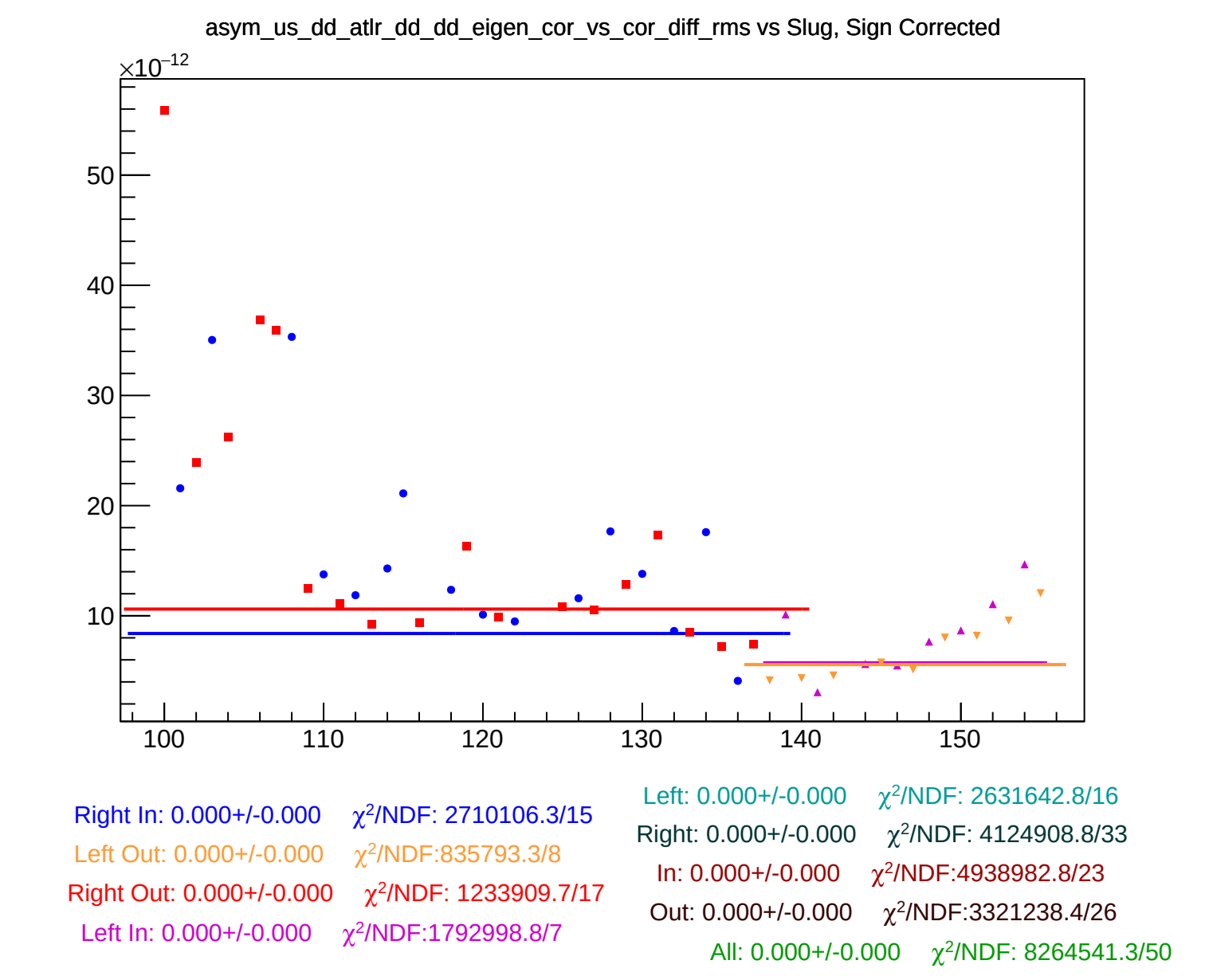
Left: 0.000+/-0.000 χ^2/NDF: 20.1/16

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

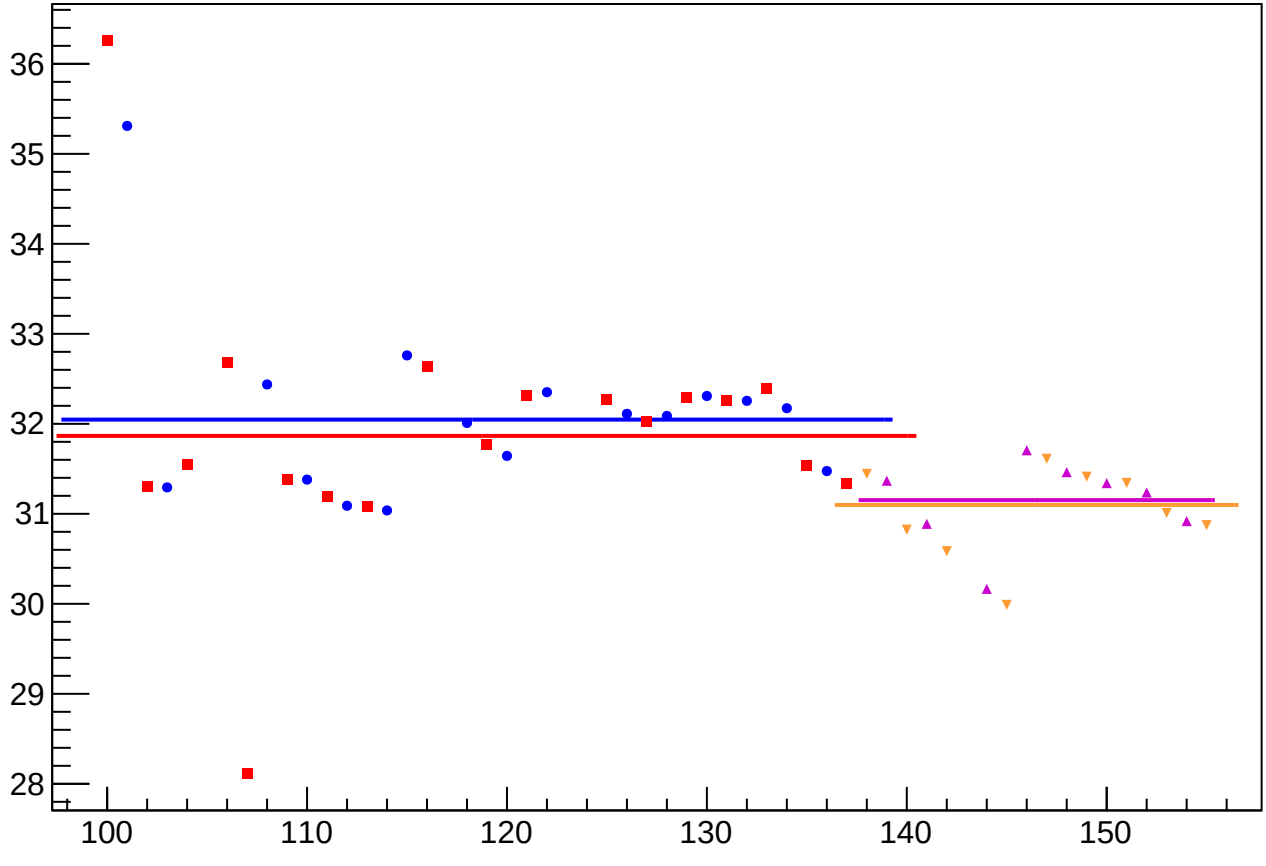
In: -0.000+/-0.000 χ^2/NDF:16.7/23

Out: -0.000+/-0.000 χ^2/NDF:33.9/26

All: -0.000+/-0.000 χ^2/NDF: 50.6/50


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:835793.3/8
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:1792998.8/7
Left: 0.000+/-0.000 χ²/NDF: 2631642.8/16
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:4938982.8/23
Out: 0.000+/-0.000 χ²/NDF:3321238.4/26
All: 0.000+/-0.000 χ²/NDF: 8264541.3/50

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.099+/-0.000 χ^2/NDF:192981695.8/8

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.152+/-0.000 χ^2/NDF:180553405.5/7

Left: 31.125+/-0.000 χ^2/NDF: 374946062.4/16

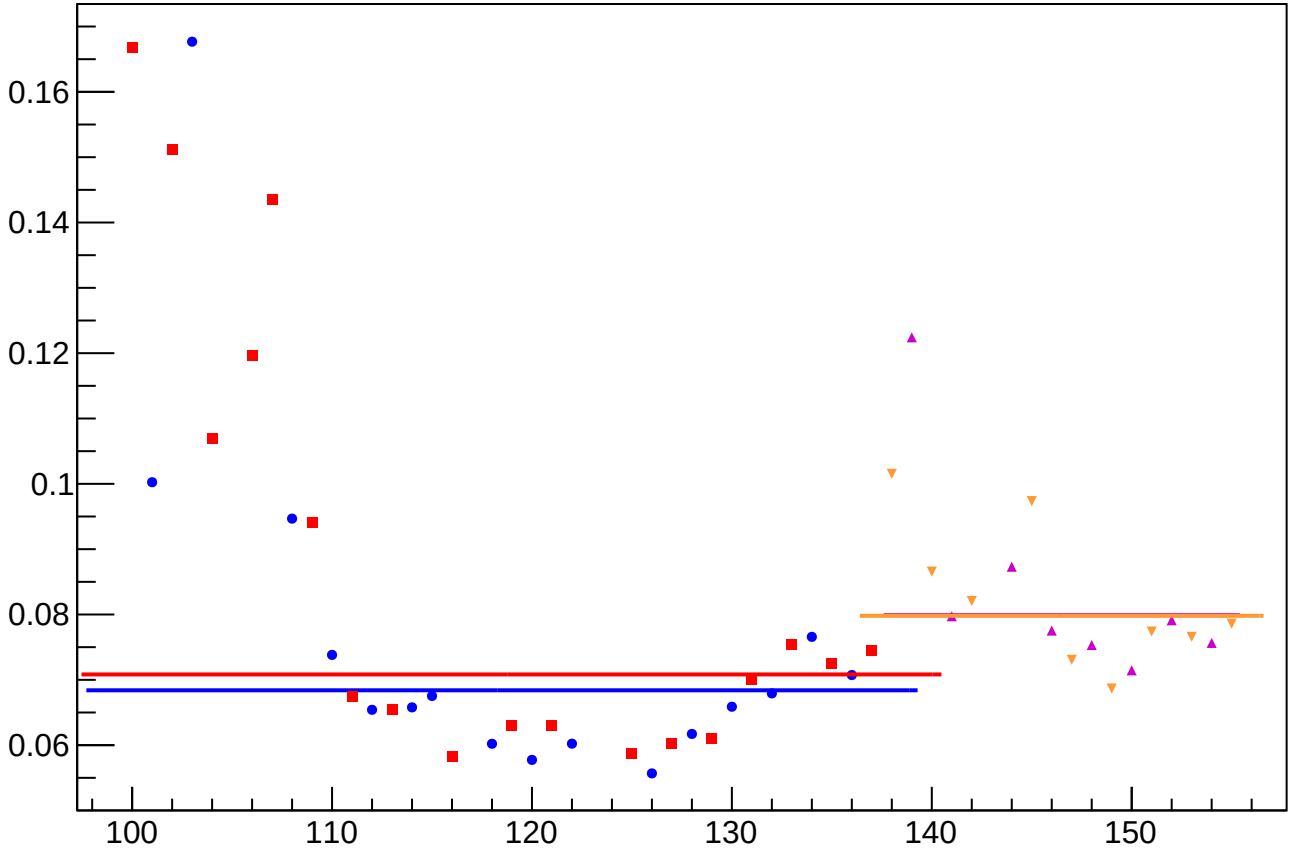
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.671+/-0.000 χ^2/NDF:1529306508.9/23

Out: 31.527+/-0.000 χ^2/NDF:1001731175.2/26

All: 31.600+/-0.000 χ^2/NDF: 2554495982.0/5

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.080+/-0.000 χ^2/NDF:180666.9/8

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.080+/-0.000 χ^2/NDF:236967.8/7

Left: 0.080+/-0.000 χ^2/NDF: 417644.7/16

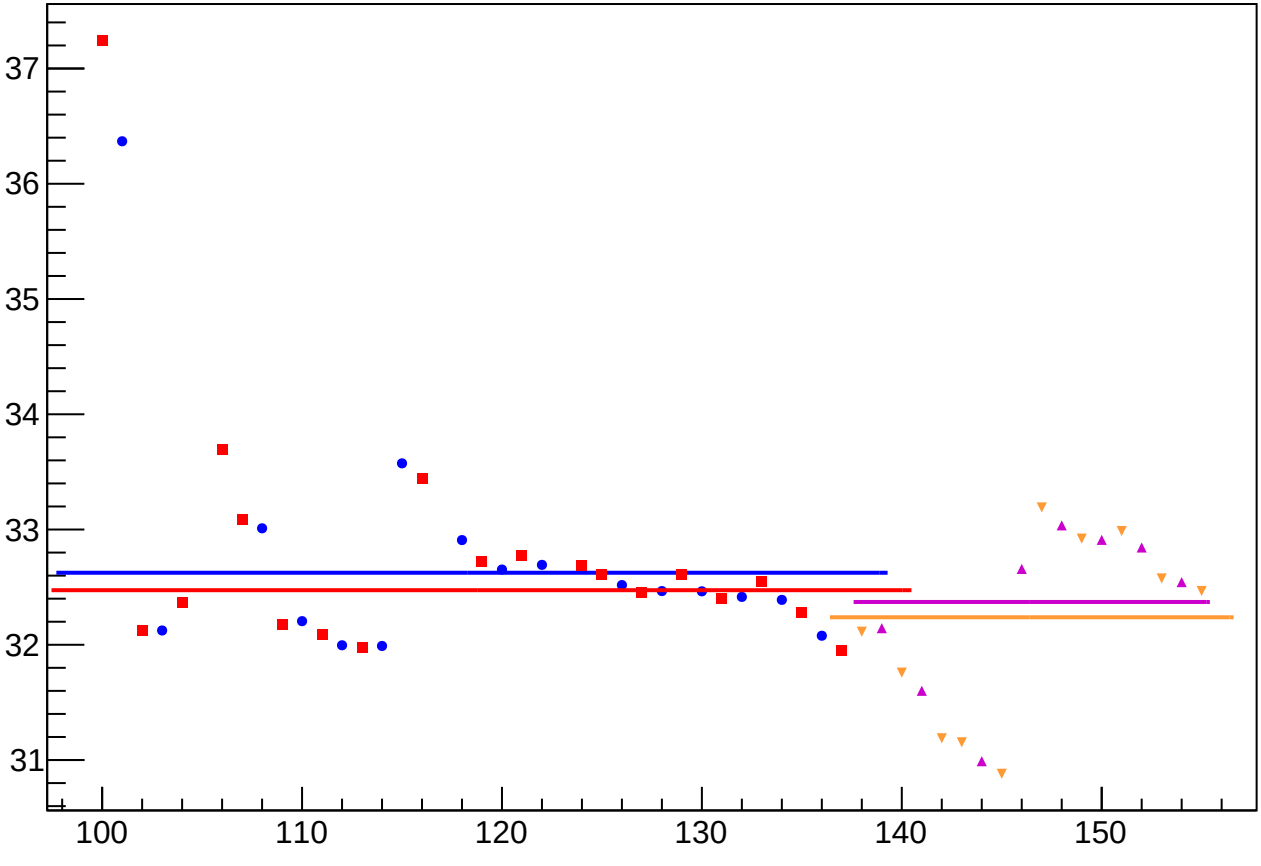
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.073+/-0.000 χ^2/NDF:1089030.7/23

Out: 0.075+/-0.000 χ^2/NDF:1137267.5/26

All: 0.074+/-0.000 χ^2/NDF: 2231775.1/50

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.239+/-0.000 χ^2/NDF:741024514.1/9

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.371+/-0.000 χ^2/NDF:512903544.3/7

Left: 32.302+/-0.000 χ^2/NDF: 1263671079.3/17

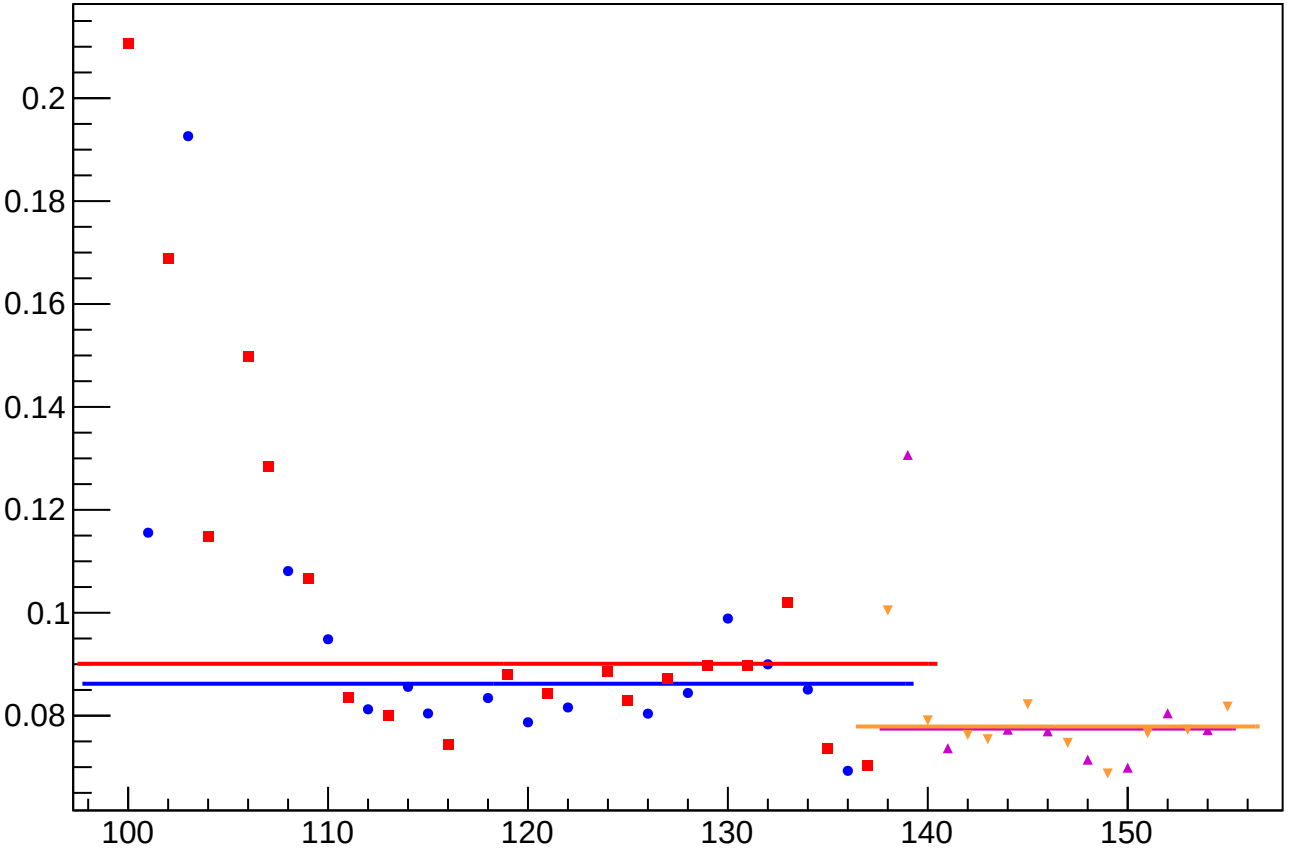
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.484+/-0.000 χ^2/NDF:1282208965.5/23

Out: 32.334+/-0.000 χ^2/NDF:923845466.4/28

All: 32.408+/-0.000 χ^2/NDF: 2227761047.1/5

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.078+/-0.000 χ^2/NDF:112904.2/9

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.077+/-0.000 χ^2/NDF:307953.1/7

Left: 0.078+/-0.000 χ^2/NDF: 421037.1/17

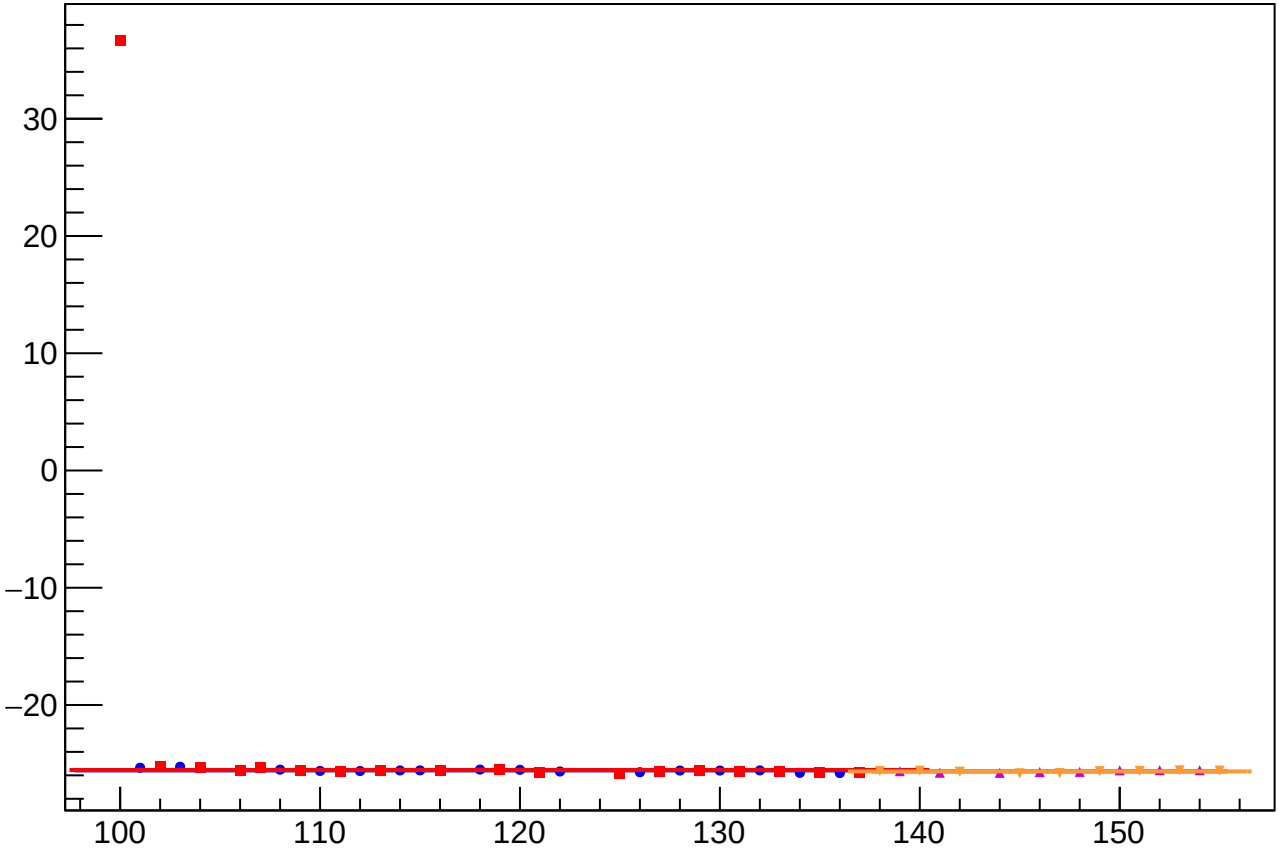
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.081+/-0.000 χ^2/NDF:977856.8/23

Out: 0.083+/-0.000 χ^2/NDF:874766.3/28

All: 0.082+/-0.000 χ^2/NDF: 1856845.9/52

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.662+/-0.000 χ^2/NDF:27868137.8/8

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.662+/-0.000 χ^2/NDF:29667350.8/7

Left: -25.662+/-0.000 χ^2/NDF: 57536839.9/16

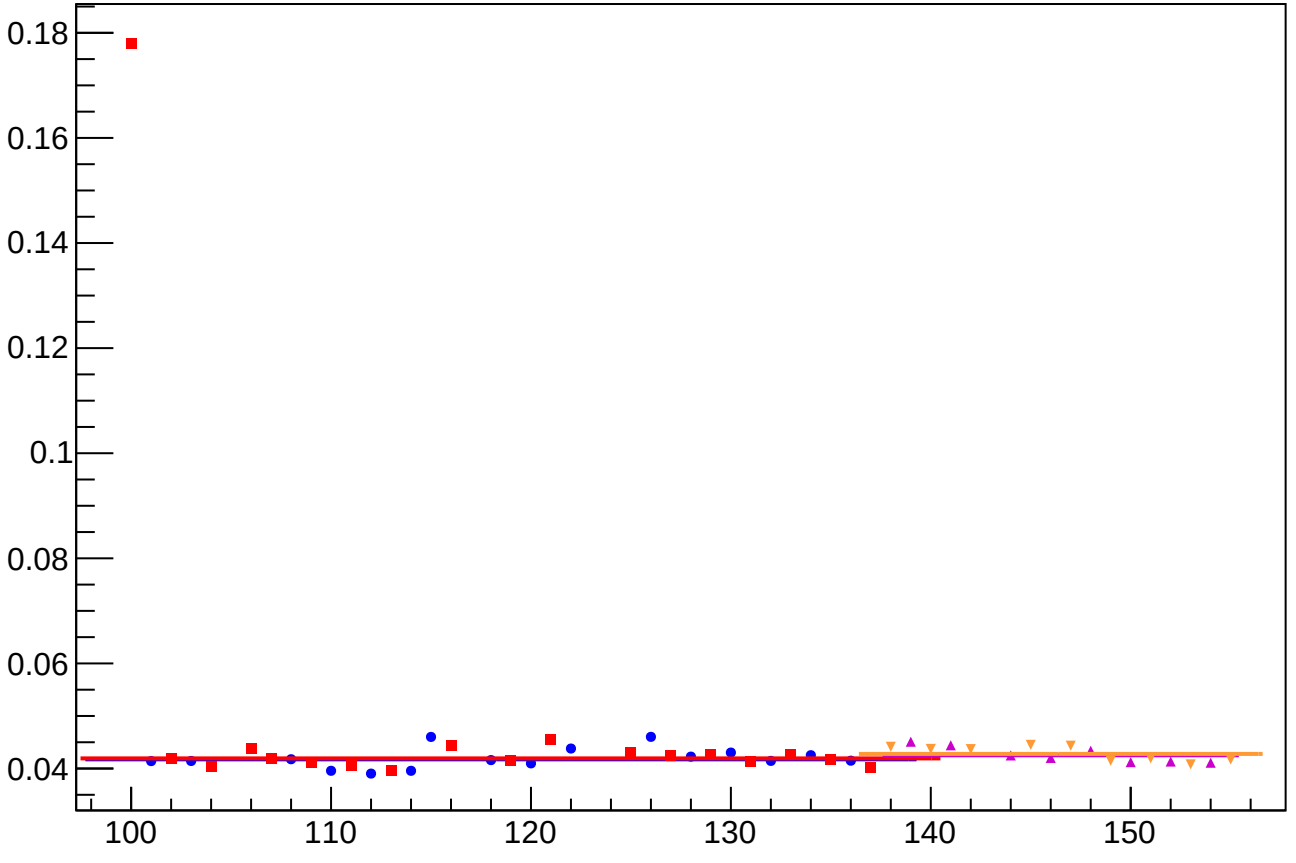
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.619+/-0.000 χ^2/NDF:141578354.5/23

Out: -25.601+/-0.000 χ^2/NDF:8963208723.5/26

All: -25.610+/-0.000 χ^2/NDF: 9106092908.1/

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:14306.8/8

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.043+/-0.000 χ^2/NDF:14806.4/7

Left: 0.043+/-0.000 χ^2/NDF: 29372.2/16

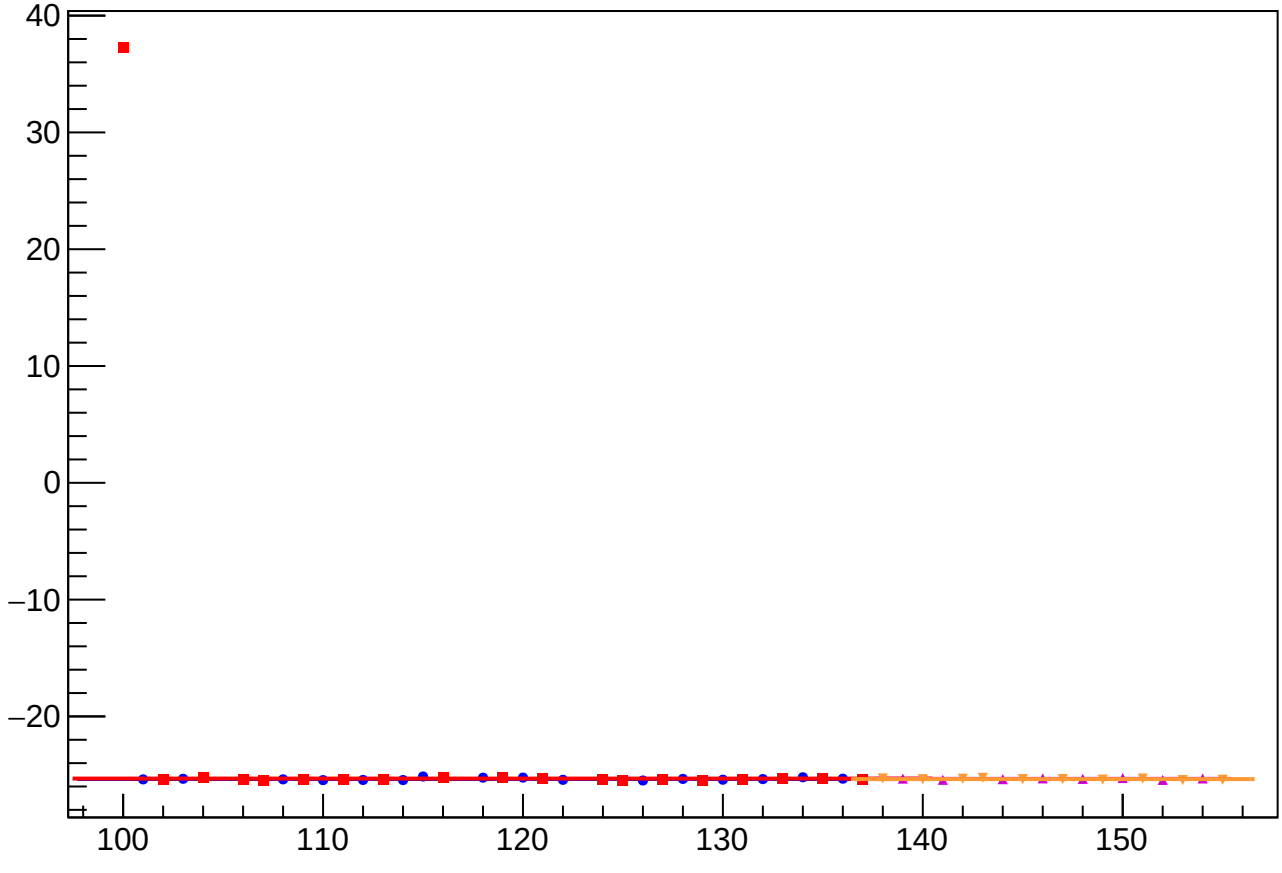
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:37912.2/23

Out: 0.042+/-0.000 χ^2/NDF:117328.4/26

All: 0.042+/-0.000 χ^2/NDF: 155612.4/50

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.367+/-0.000 χ^2/NDF:7682248.6/9

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.346+/-0.000 χ^2/NDF:6331630.9/7

Left: -25.357+/-0.000 χ^2/NDF: 14486424.0/17

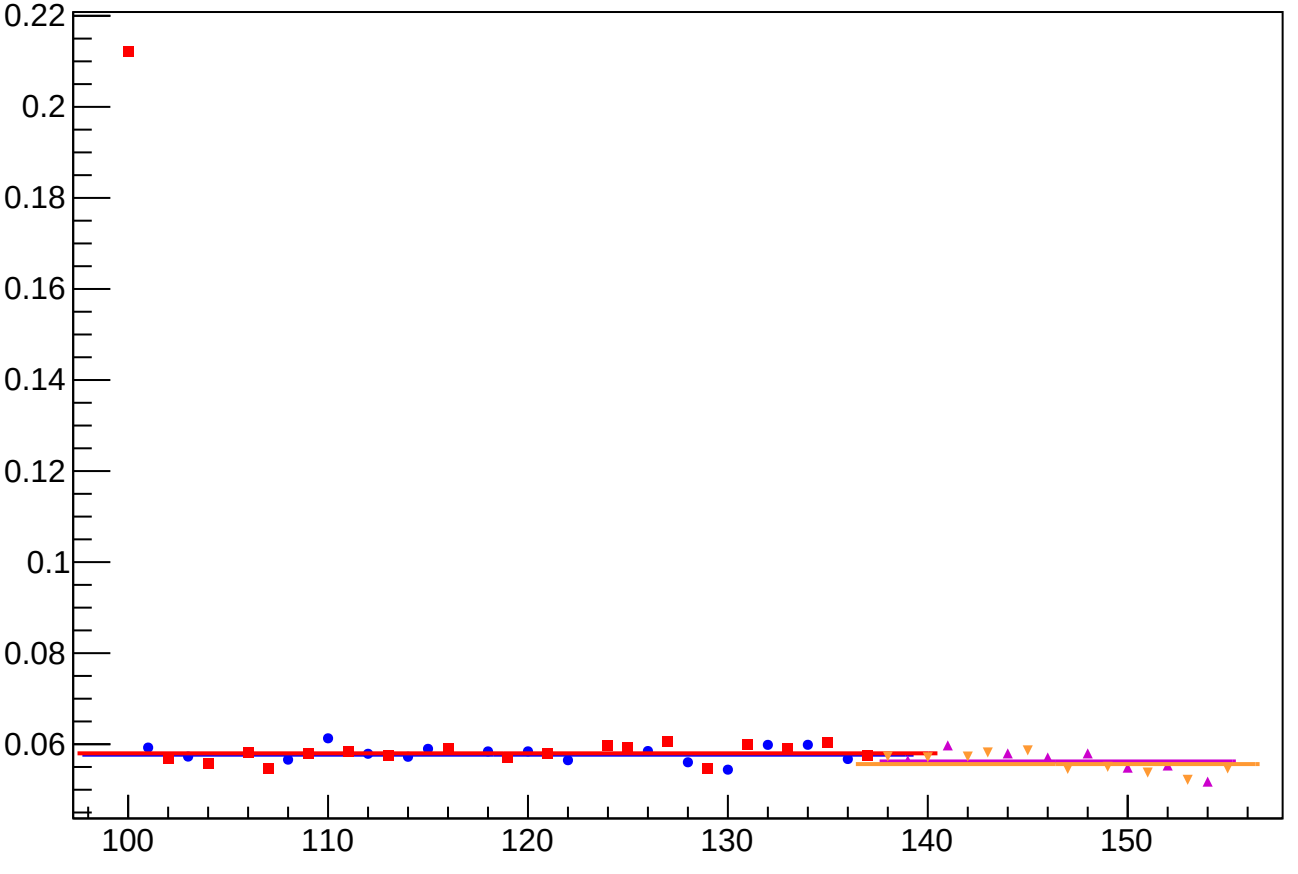
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.353+/-0.000 χ^2/NDF:19821898.0/23

Out: -25.346+/-0.000 χ^2/NDF:6324861829.3/28

All: -25.349+/-0.000 χ^2/NDF: 6344804919.2/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.056+/-0.000 χ^2/NDF:20512.6/9

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:23477.7/7

Left: 0.056+/-0.000 χ^2/NDF: 44744.5/17

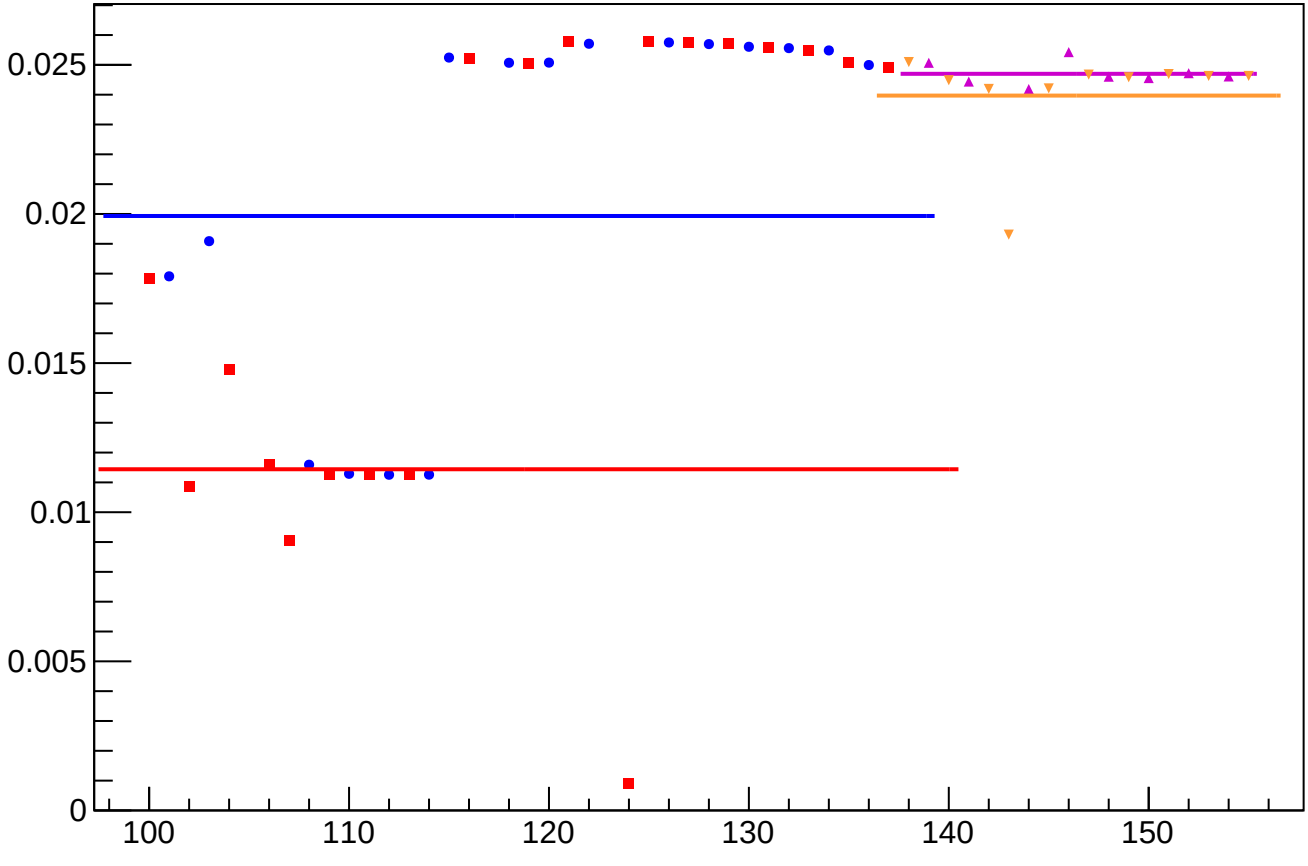
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.057+/-0.000 χ^2/NDF:39947.4/23

Out: 0.057+/-0.000 χ^2/NDF:121945.2/28

All: 0.057+/-0.000 χ^2/NDF: 162082.5/52

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4490276275.8/9

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:153893296.2/7

Left: 0.024+/-0.000 χ^2/NDF: 5012025302.8/17

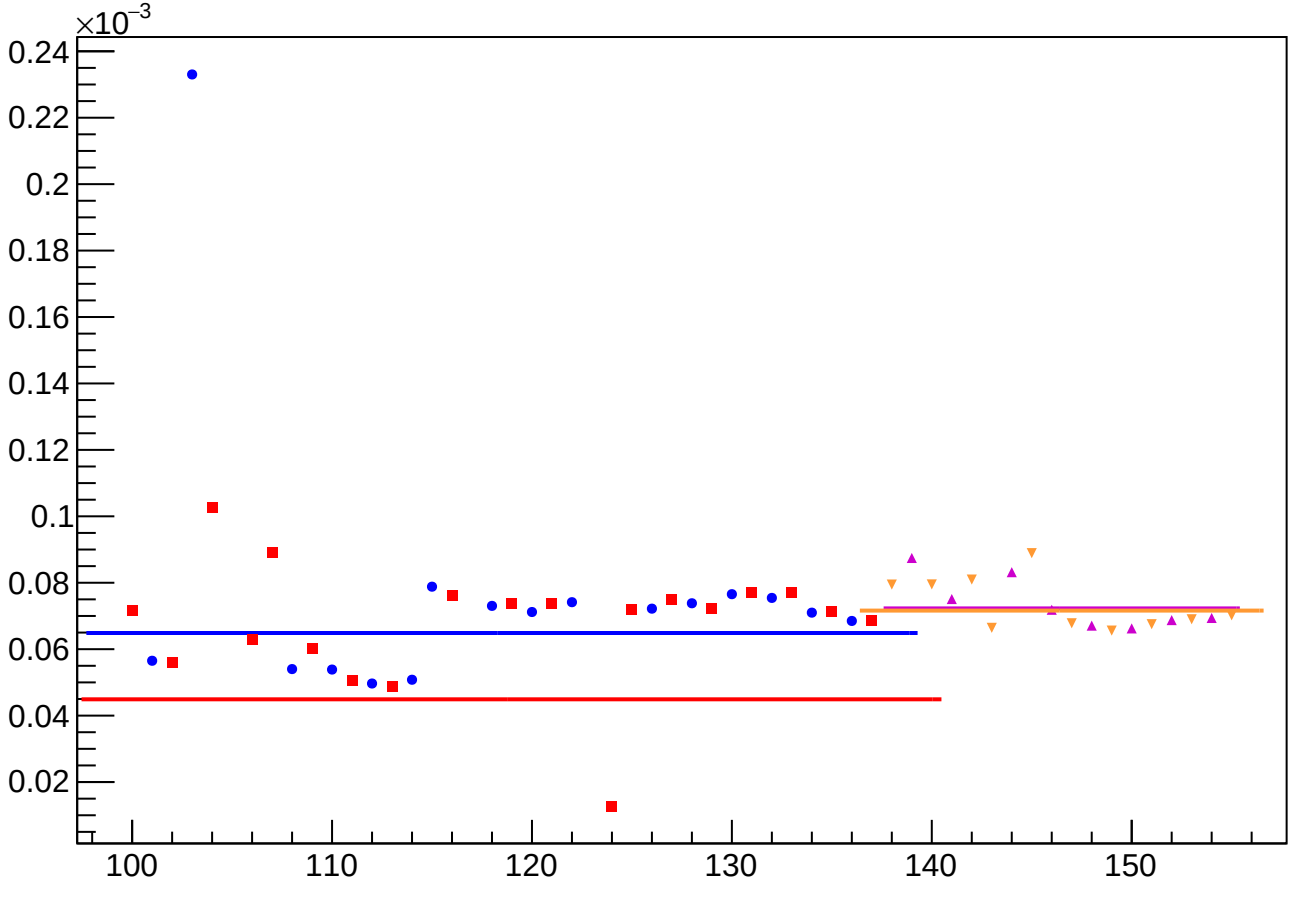
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.022+/-0.000 χ^2/NDF:78705635810.3/23

Out: 0.016+/-0.000 χ^2/NDF:404556914598.3/28

All: 0.019+/-0.000 χ^2/NDF: 543868271098.2

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:138182.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:112916.7/7

Left: 0.000+/-0.000 χ^2/NDF: 251694.4/17

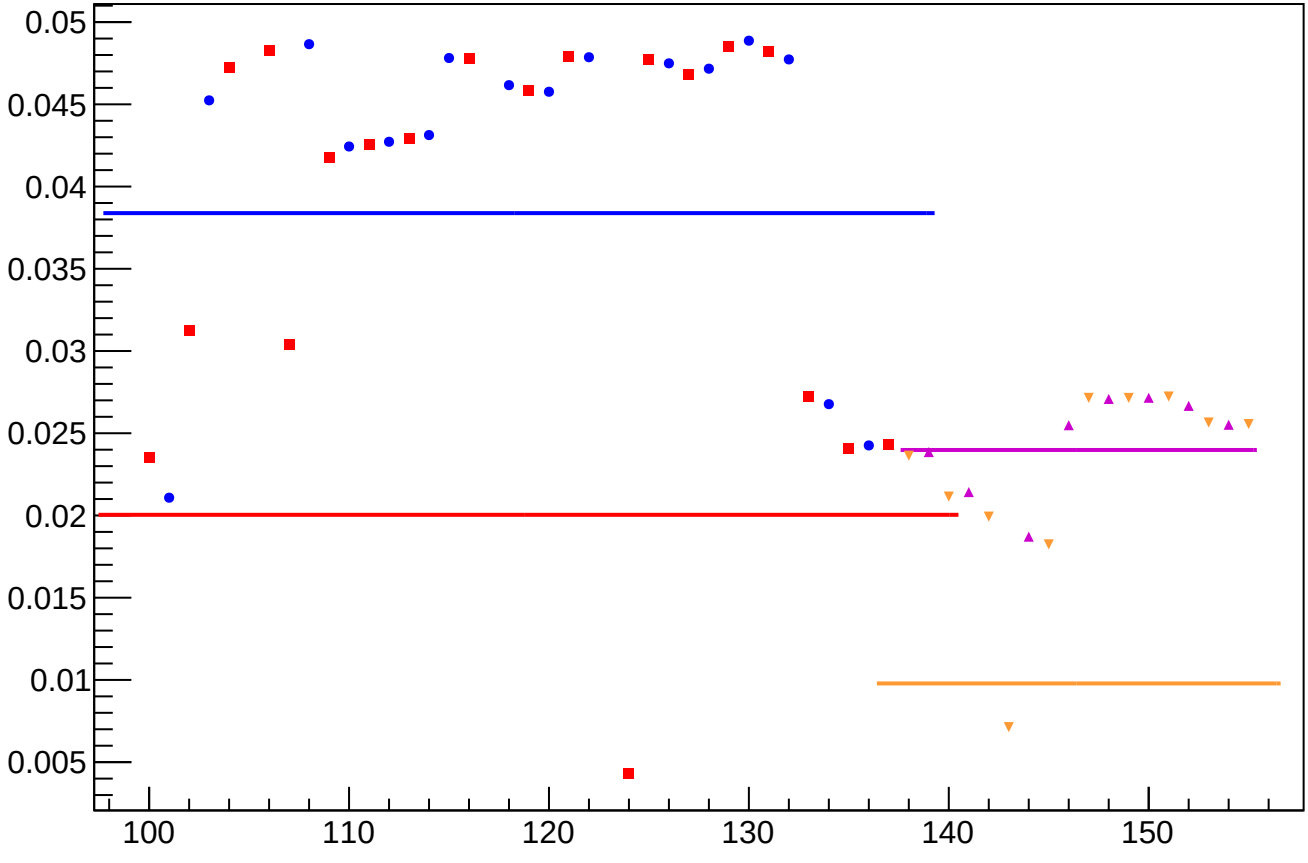
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1007377.4/23

Out: 0.000+/-0.000 χ^2/NDF:5237533.3/28

All: 0.000+/-0.000 χ^2/NDF: 6848953.3/52

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:20308475568.2/9

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.024+/-0.000 χ^2/NDF:836627272.5/7

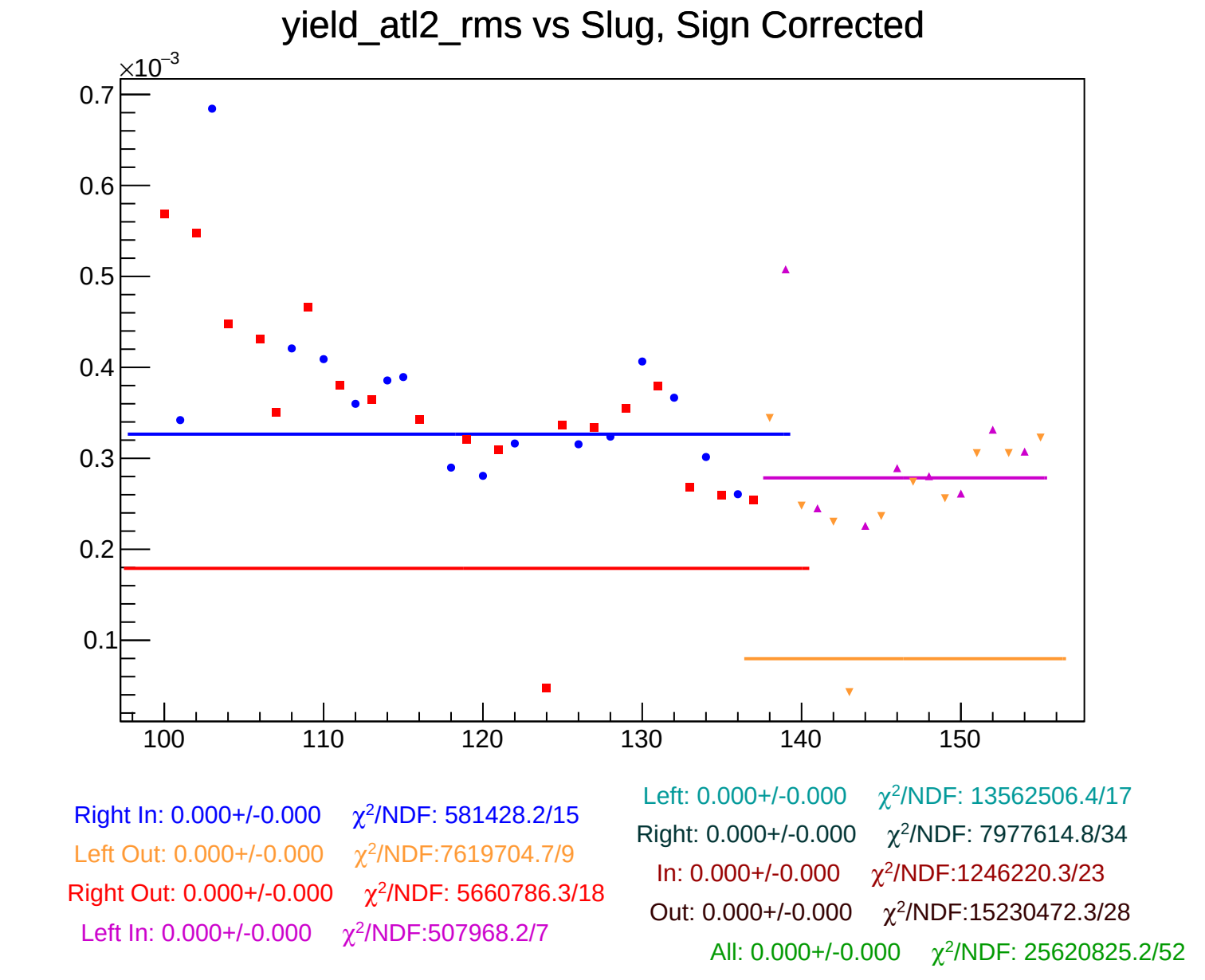
Left: 0.012+/-0.000 χ^2/NDF: 35004898799.3/17

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

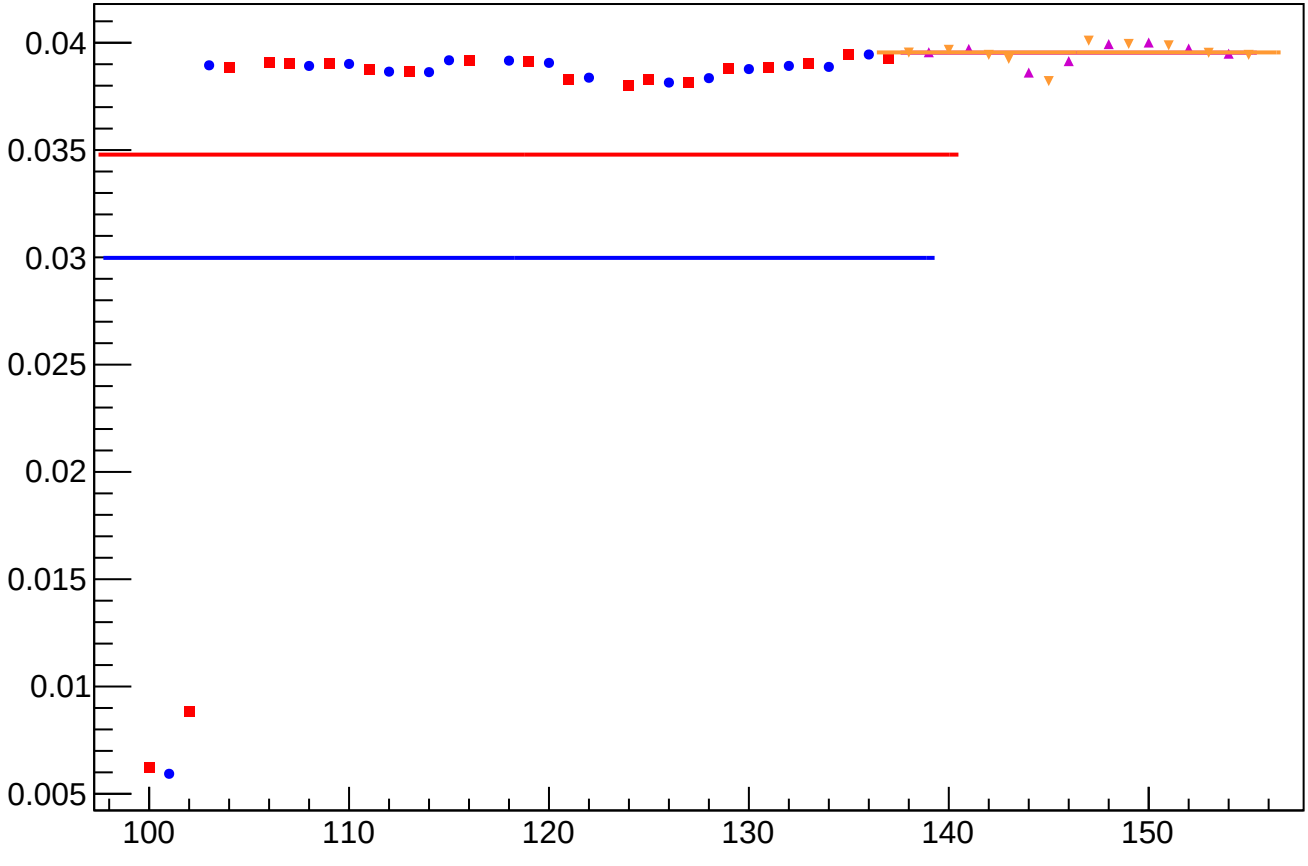
In: 0.030+/-0.000 χ^2/NDF:14946484802.3/23

Out: 0.012+/-0.000 χ^2/NDF:72879068858.7/28

All: 0.015+/-0.000 χ^2/NDF: 126359187516.3


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
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: 581428.2/15
Left Out: 0.000+/-0.000 χ²/NDF:7619704.7/9
Right Out: 0.000+/-0.000 χ²/NDF: 5660786.3/18
Left In: 0.000+/-0.000 χ²/NDF:507968.2/7
Left: 0.000+/-0.000 χ²/NDF: 13562506.4/17
Right: 0.000+/-0.000 χ²/NDF: 7977614.8/34
In: 0.000+/-0.000 χ²/NDF:1246220.3/23
Out: 0.000+/-0.000 χ²/NDF:15230472.3/28
All: 0.000+/-0.000 χ²/NDF: 25620825.2/52

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:92854385.8/9

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:65802012.7/7

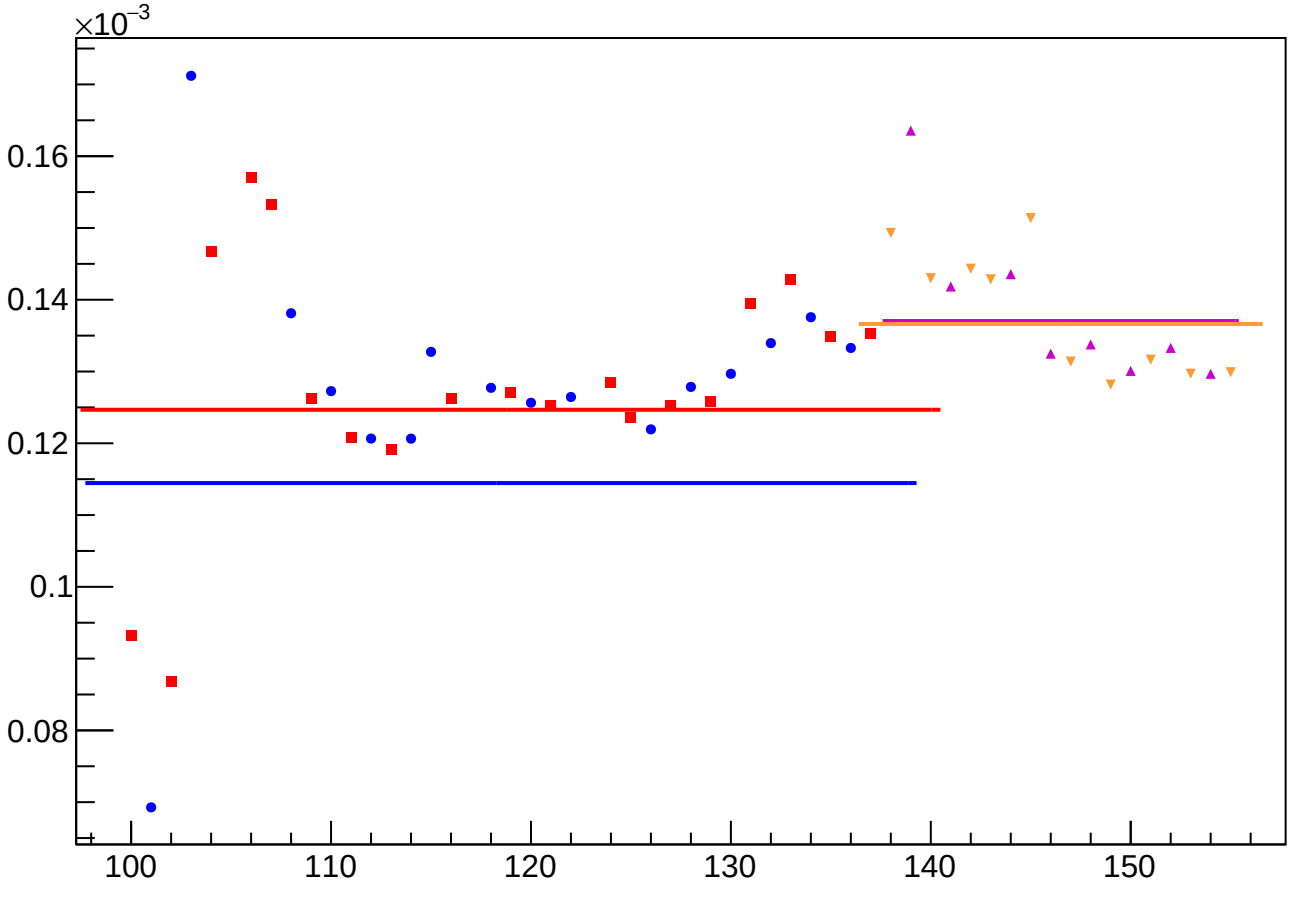
Left: 0.040+/-0.000 χ^2/NDF: 158689758.9/17

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.034+/-0.000 χ^2/NDF:127612229960.3/23

Out: 0.037+/-0.000 χ^2/NDF:52173347834.6/28

All: 0.035+/-0.000 χ^2/NDF: 183936840146.0



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:55278.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:63886.2/7

Left: 0.000+/-0.000 χ^2/NDF: 119229.1/17

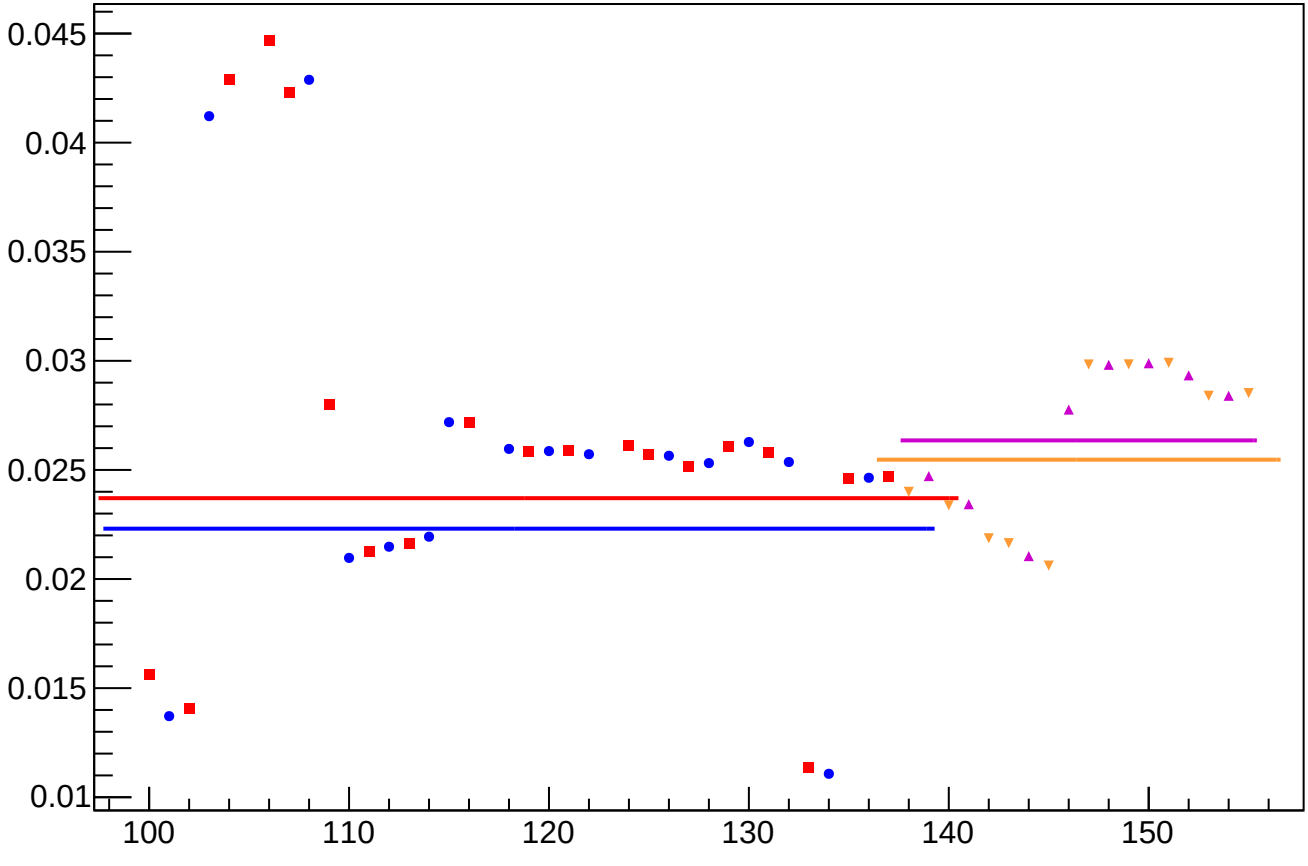
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1131931.4/23

Out: 0.000+/-0.000 χ^2/NDF:376369.4/28

All: 0.000+/-0.000 χ^2/NDF: 1544900.5/52

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.025+/-0.000 χ^2/NDF:1442705958.1/9

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.026+/-0.000 χ^2/NDF:1022283085.9/7

Left: 0.026+/-0.000 χ^2/NDF: 2501092138.7/17

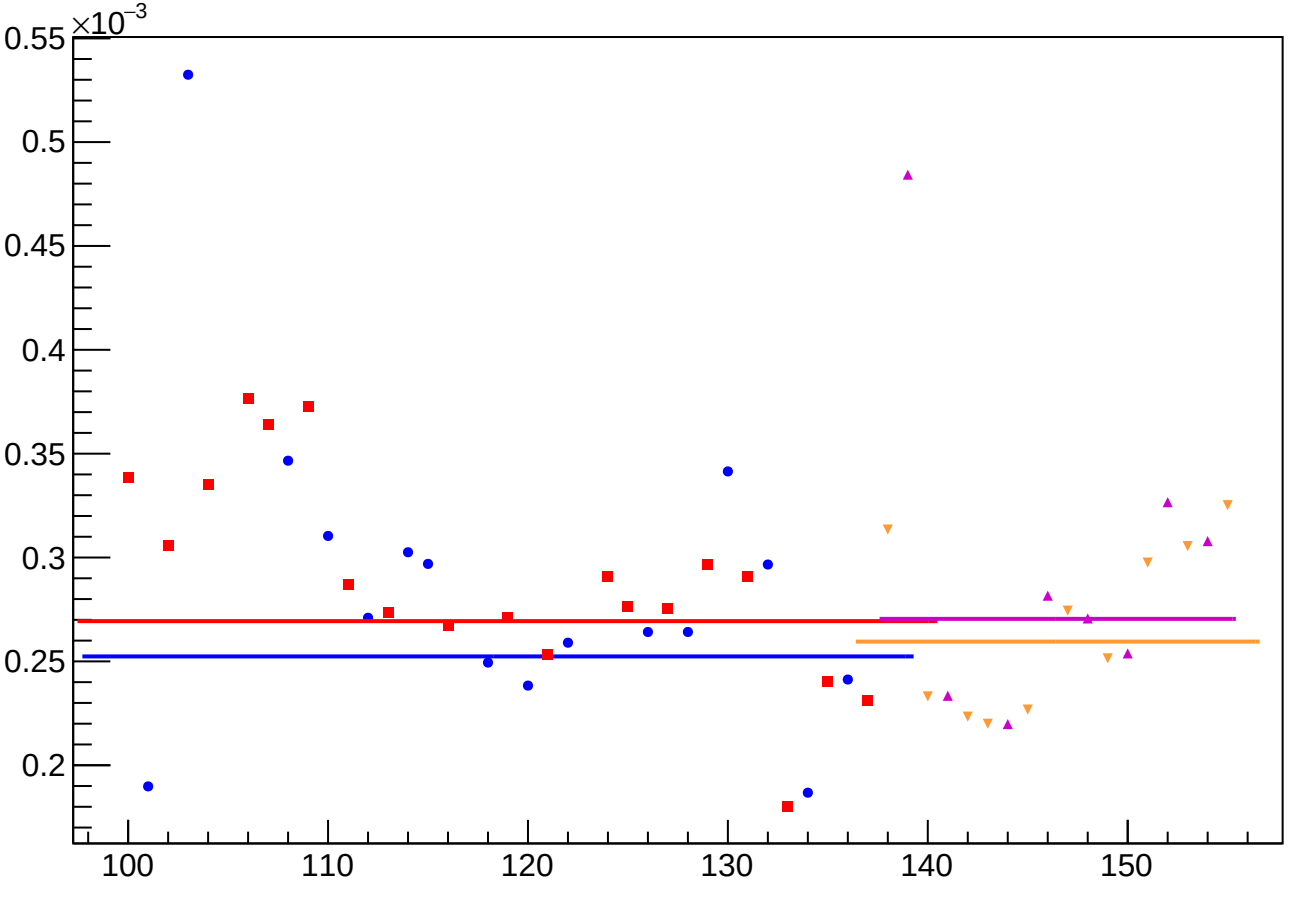
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.024+/-0.000 χ^2/NDF:6779378992.4/23

Out: 0.025+/-0.000 χ^2/NDF:7172484575.1/28

All: 0.024+/-0.000 χ^2/NDF: 13971874508.5/5

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:280426.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:524622.0/7

Left: 0.000+/-0.000 χ^2/NDF: 816128.4/17

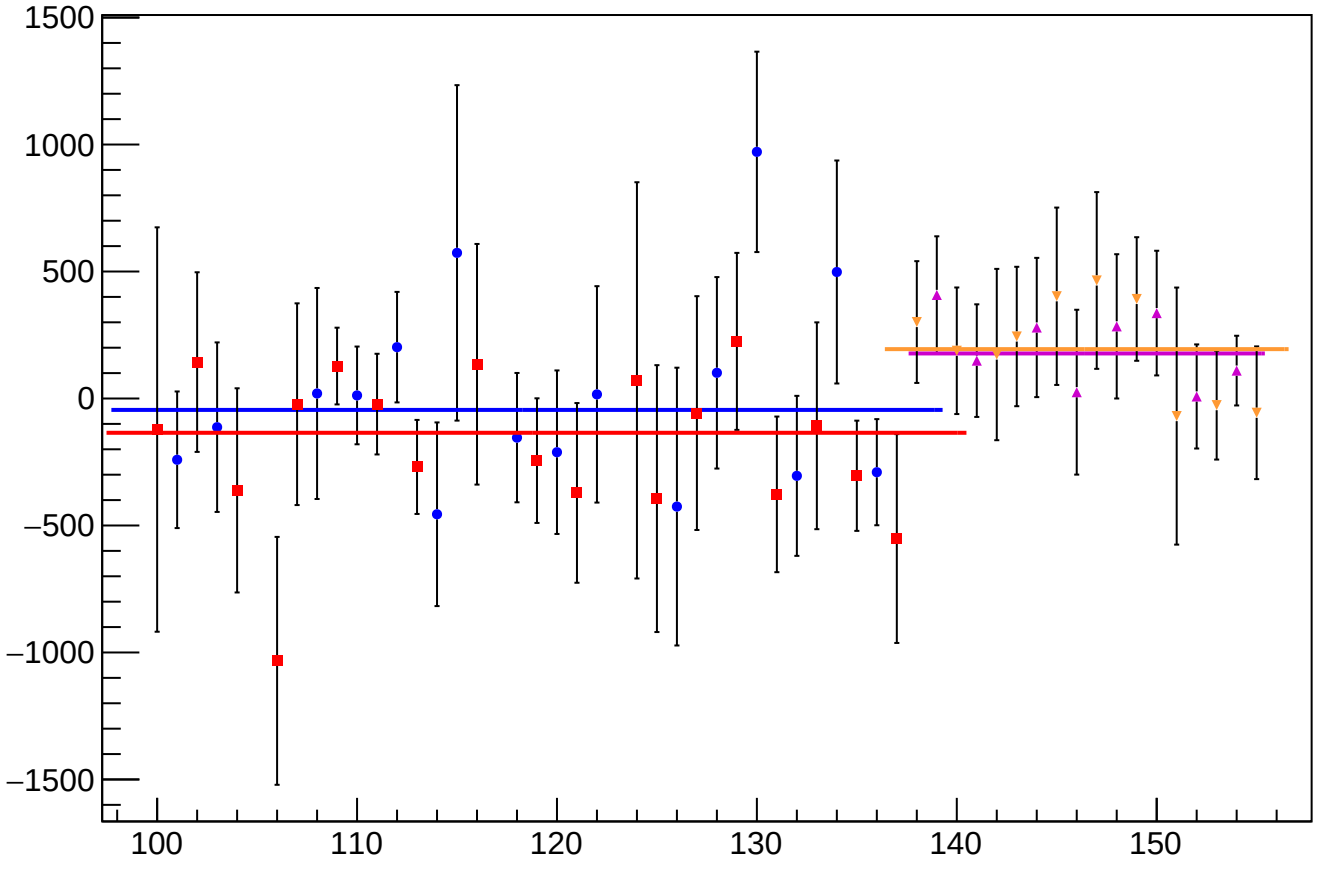
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1262235.1/23

Out: 0.000+/-0.000 χ^2/NDF:736005.7/28

All: 0.000+/-0.000 χ^2/NDF: 2000345.5/52

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: 194.389+/-87.960 χ^2/NDF:4.1/9

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 177.415+/-77.196 χ^2/NDF:2.9/7

Left: 184.801+/-58.020 χ^2/NDF: 7.0/17

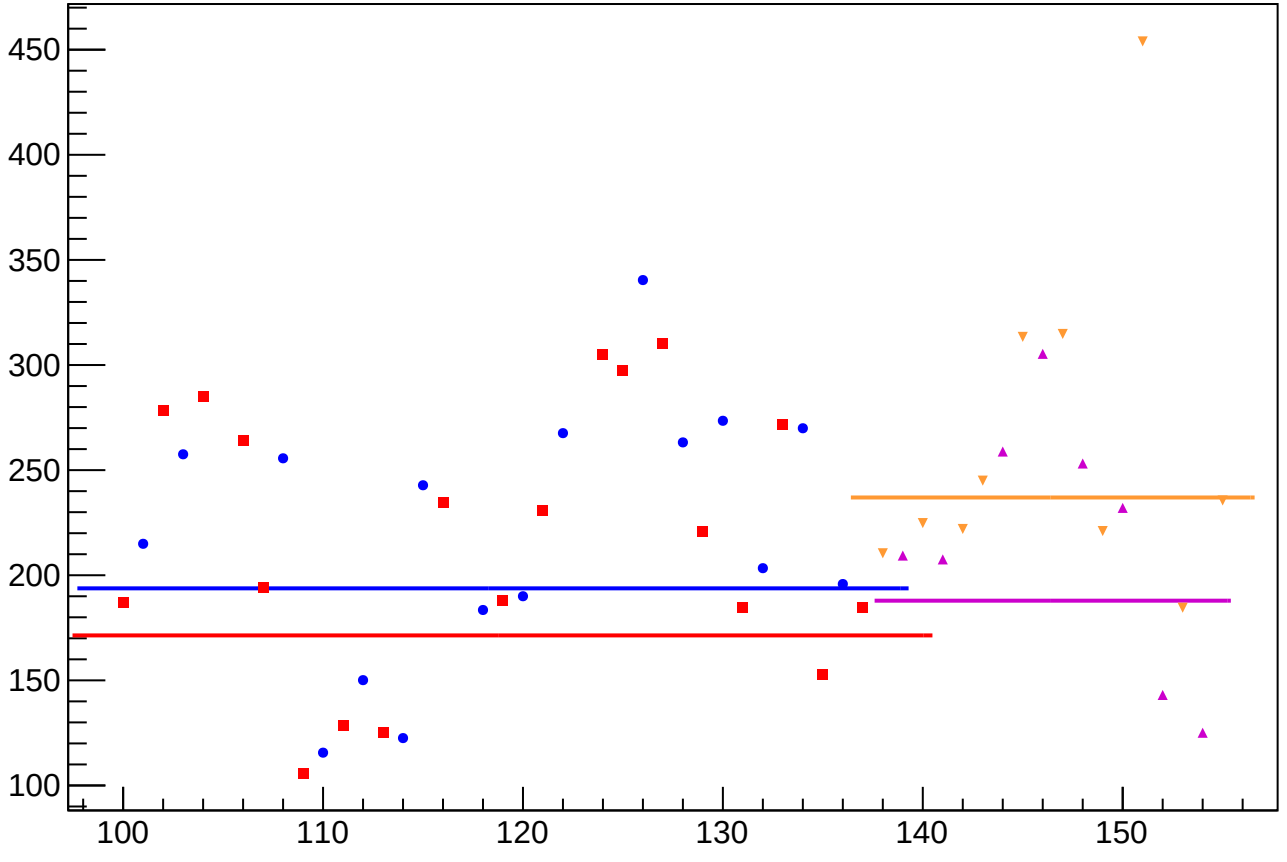
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 64.802+/-54.230 χ^2/NDF:22.5/23

Out: -11.639+/-53.829 χ^2/NDF:25.8/28

All: 26.298+/-38.204 χ^2/NDF: 49.3/52

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: 236.989+/-0.062 χ^2/NDF:726535.1/9

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 187.902+/-0.055 χ^2/NDF:1113728.6/7

Left: 209.260+/-0.041 χ^2/NDF: 2192125.2/17

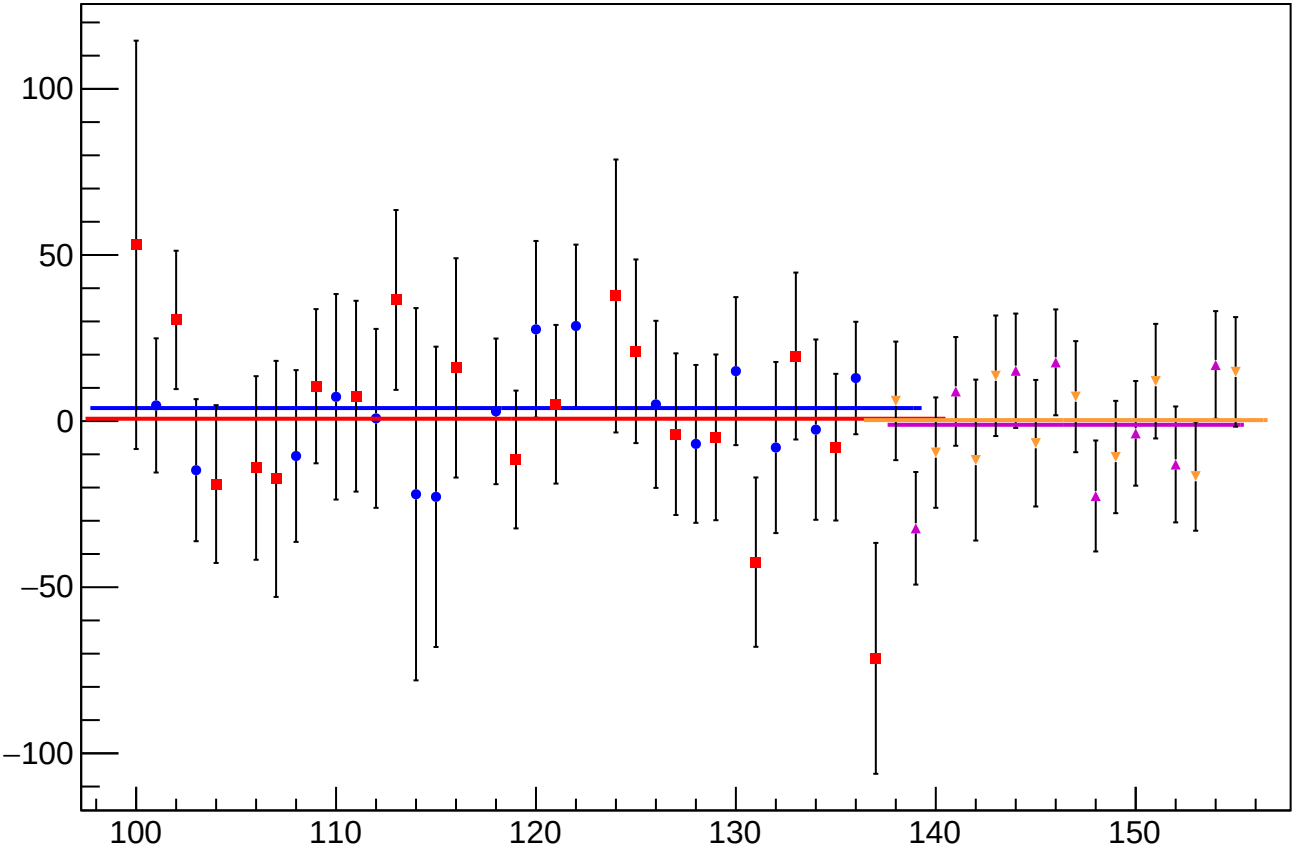
Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 190.873+/-0.038 χ^2/NDF:2167672.8/23

Out: 195.952+/-0.038 χ^2/NDF:3080583.1/28

All: 193.431+/-0.027 χ^2/NDF: 5257094.3/52

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: 0.301+/-5.582 χ^2/NDF:4.3/9

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -1.105+/-5.848 χ^2/NDF:9.4/7

Left: -0.369+/-4.038 χ^2/NDF: 13.7/17

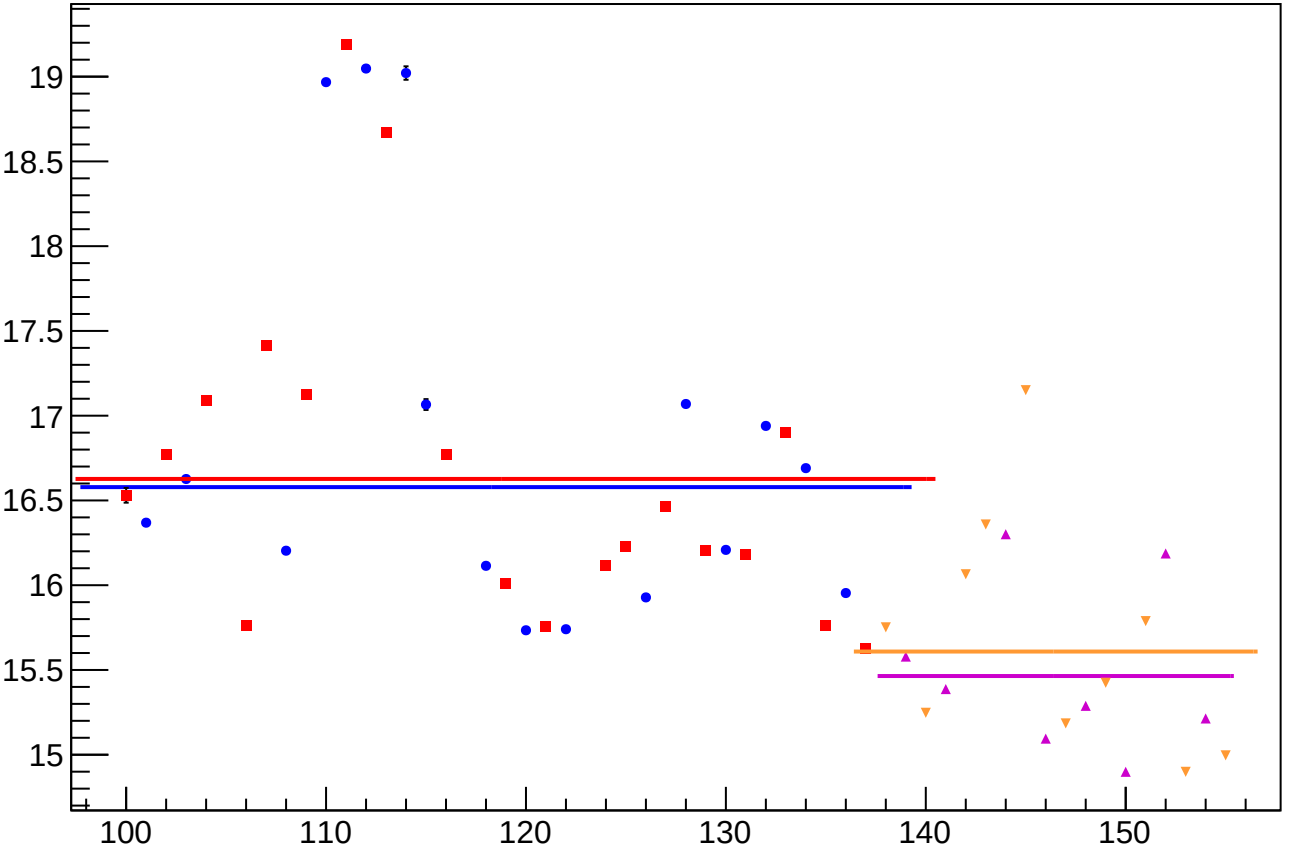
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 1.274+/-4.245 χ^2/NDF:14.3/23

Out: 0.490+/-4.111 χ^2/NDF:20.2/28

All: 0.869+/-2.953 χ^2/NDF: 34.5/52

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: 15.609+/-0.004 χ^2/NDF:26533.0/9

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.464+/-0.004 χ^2/NDF:12641.5/7

Left: 15.540+/-0.003 χ^2/NDF: 39812.6/17

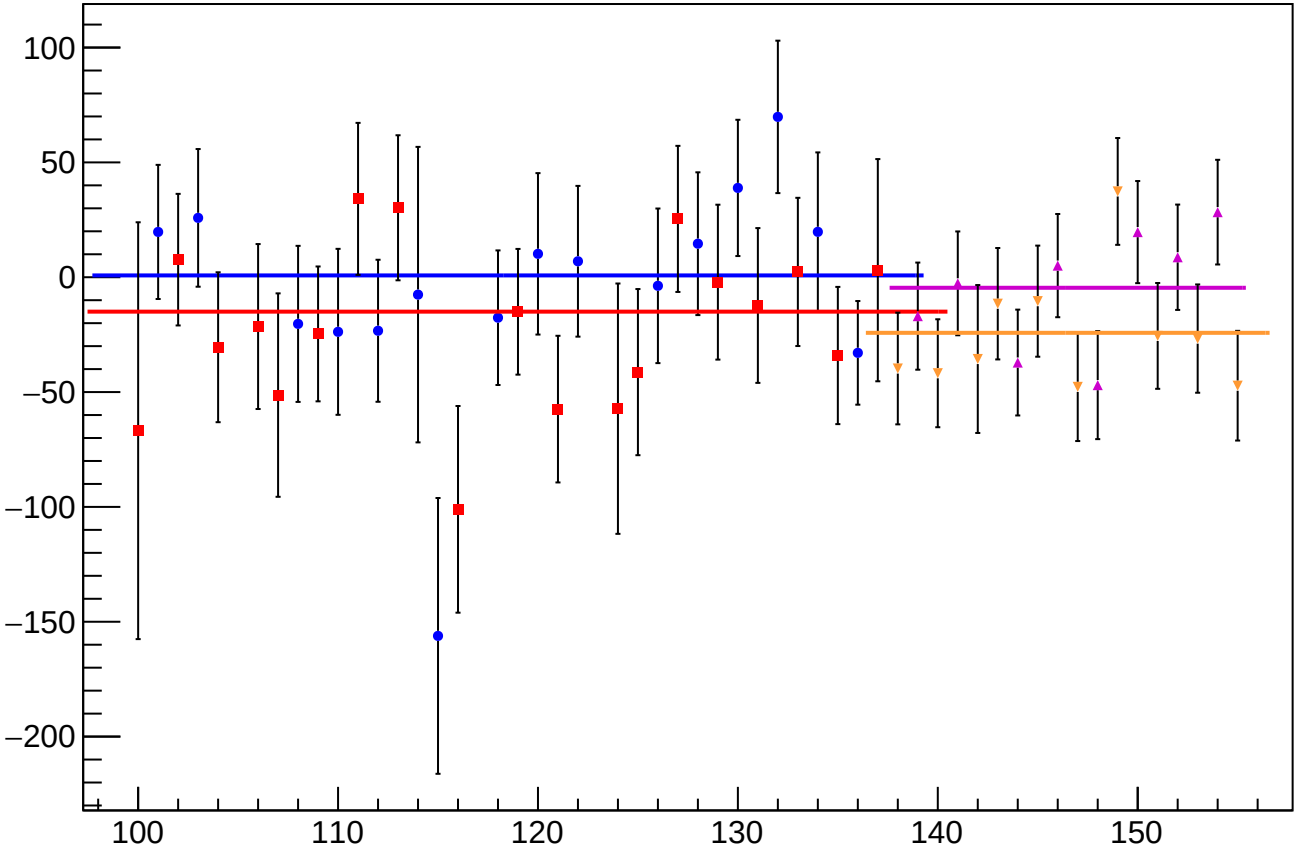
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.991+/-0.003 χ^2/NDF:91571.1/23

Out: 16.075+/-0.003 χ^2/NDF:100450.0/28

All: 16.034+/-0.002 χ^2/NDF: 192417.2/52

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: -24.204+/-7.679 χ^2/NDF:10.6/9

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -4.592+/-8.080 χ^2/NDF:9.3/7

Left: -14.897+/-5.566 χ^2/NDF: 23.1/17

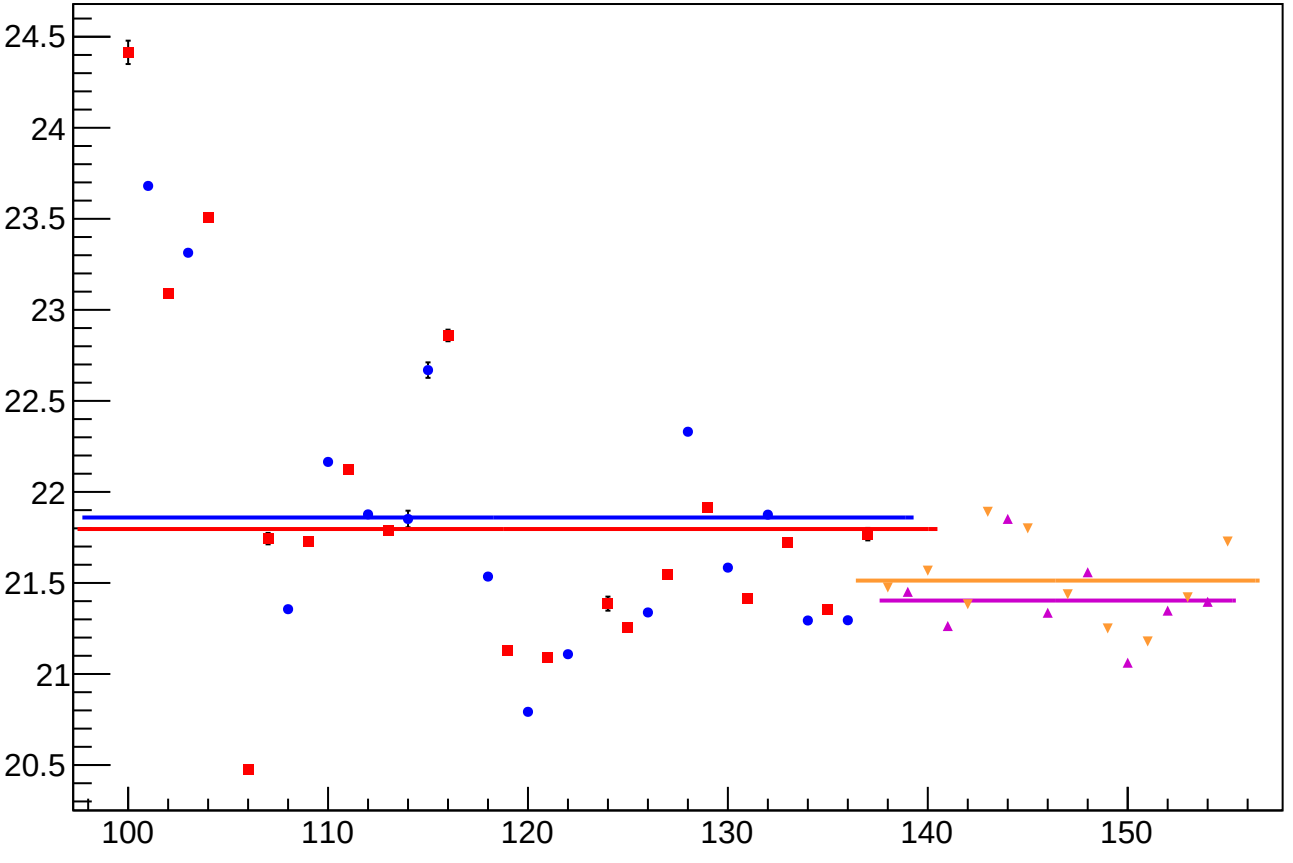
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -1.916+/-5.729 χ^2/NDF:28.2/23

Out: -19.754+/-5.524 χ^2/NDF:26.7/28

All: -11.160+/-3.977 χ^2/NDF: 60.0/52

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: 21.513+/-0.005 χ^2/NDF:1703.1/9

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.403+/-0.006 χ^2/NDF:1431.4/7

Left: 21.461+/-0.004 χ^2/NDF: 3328.2/17

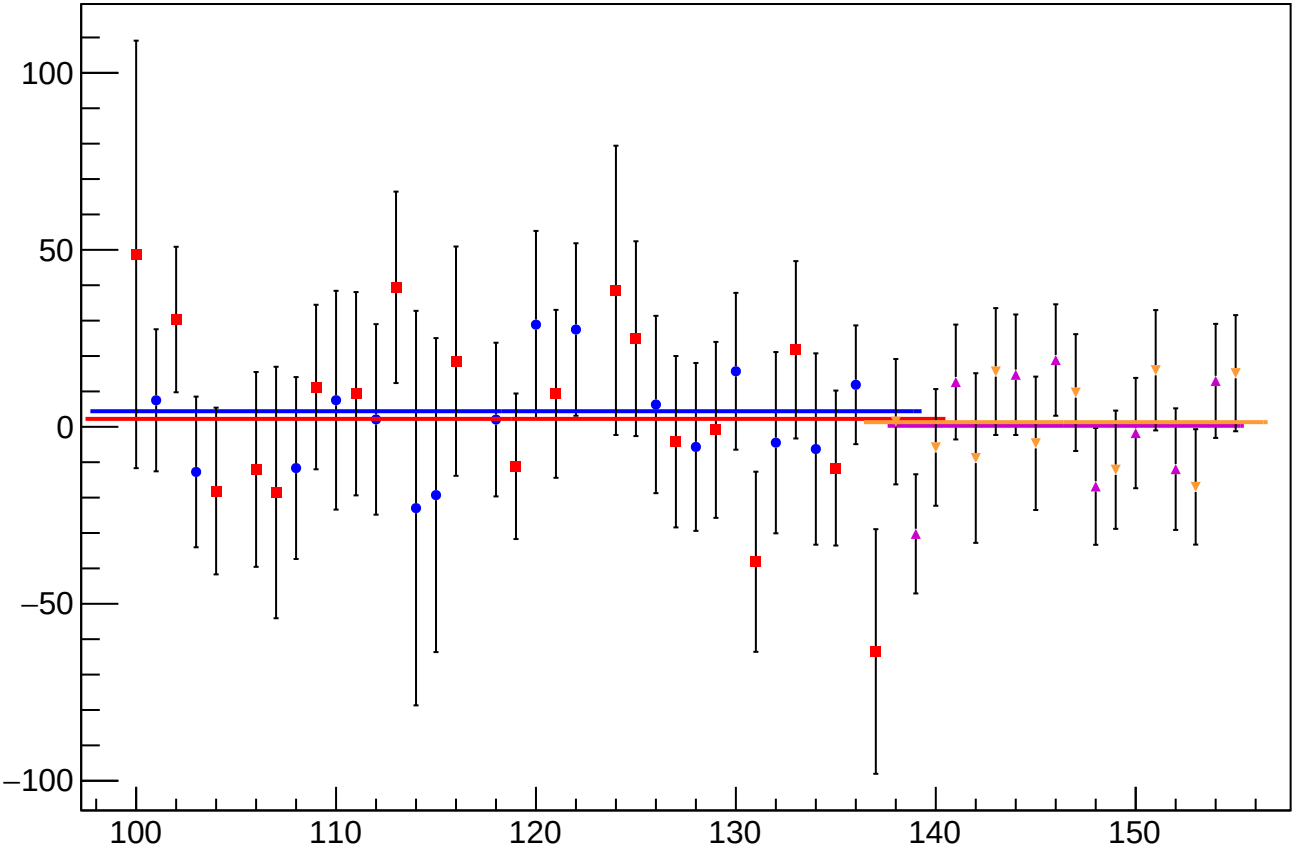
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.630+/-0.004 χ^2/NDF:24069.6/23

Out: 21.650+/-0.004 χ^2/NDF:21876.8/28

All: 21.640+/-0.003 χ^2/NDF: 45958.3/52

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: 1.317+/-5.527 χ^2/NDF:4.7/9

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: 0.294+/-5.789 χ^2/NDF:8.2/7

Left: 0.829+/-3.998 χ^2/NDF: 12.9/17

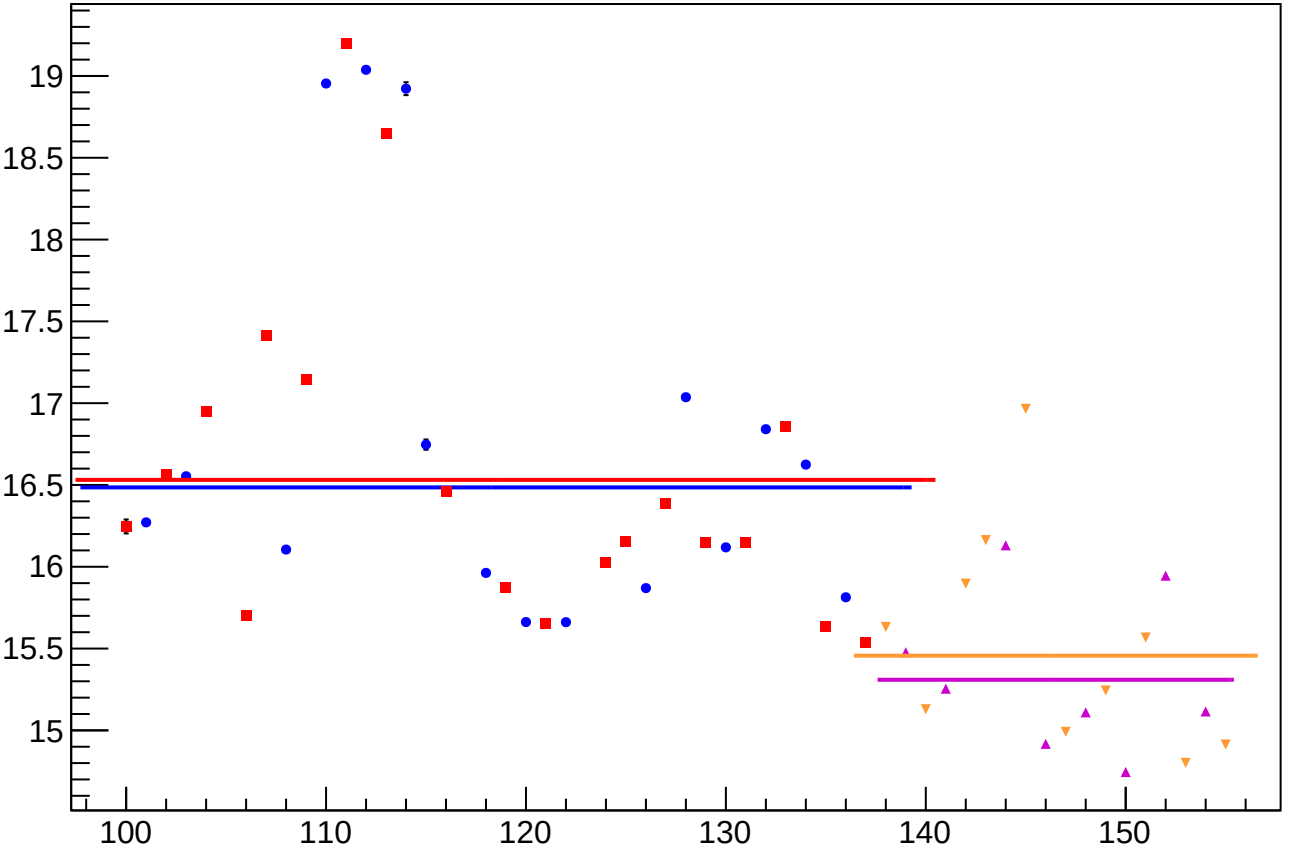
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 2.229+/-4.211 χ^2/NDF:12.7/23

Out: 1.739+/-4.078 χ^2/NDF:20.1/28

All: 1.976+/-2.930 χ^2/NDF: 32.9/52

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: 15.457+/-0.004 χ^2/NDF:25008.5/9

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.309+/-0.004 χ^2/NDF:12057.9/7

Left: 15.386+/-0.003 χ^2/NDF: 37742.8/17

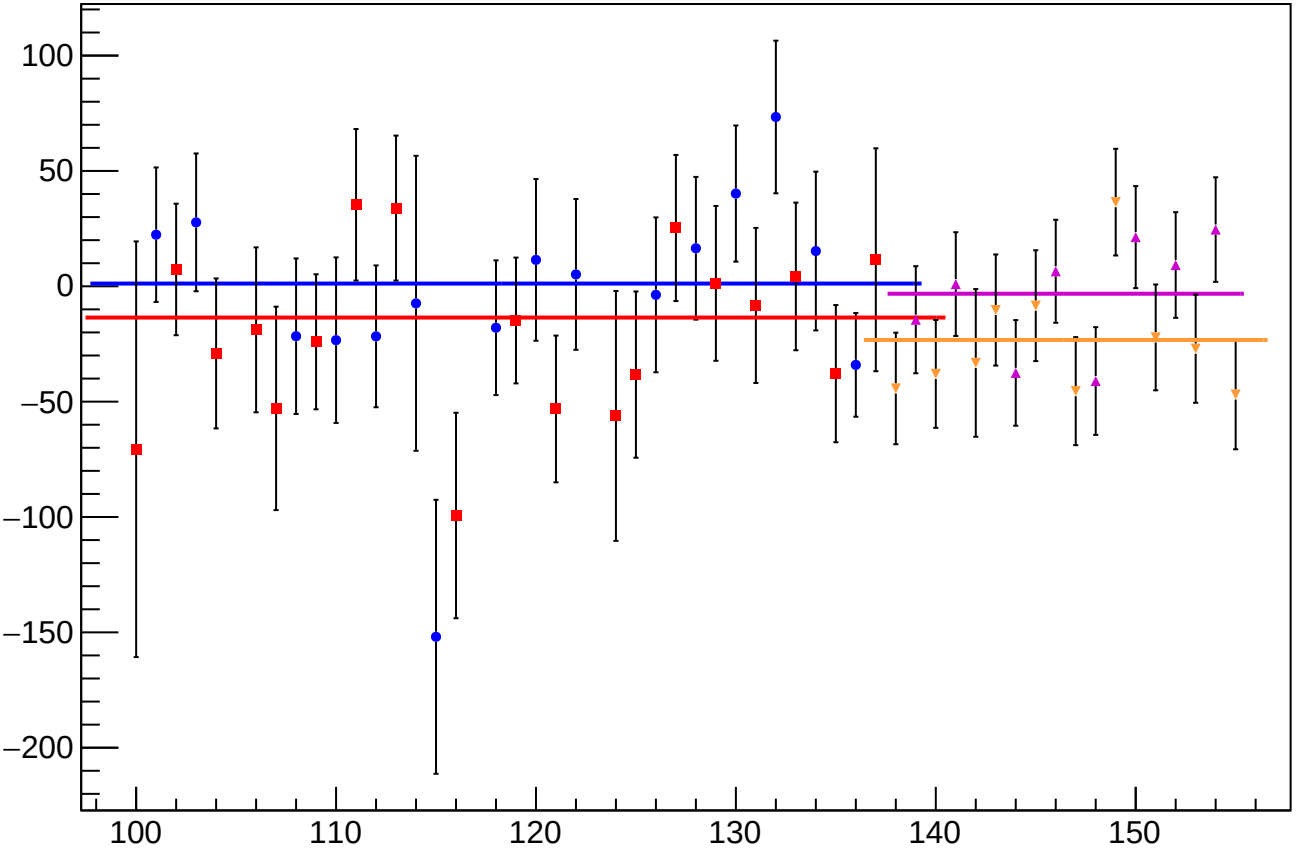
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.863+/-0.003 χ^2/NDF:98086.6/23

Out: 15.946+/-0.003 χ^2/NDF:105931.5/28

All: 15.906+/-0.002 χ^2/NDF: 204421.0/52

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: -23.250+/-7.633 χ^2/NDF:10.5/9

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -3.219+/-8.038 χ^2/NDF:8.4/7

Left: -13.752+/-5.535 χ^2/NDF: 22.1/17

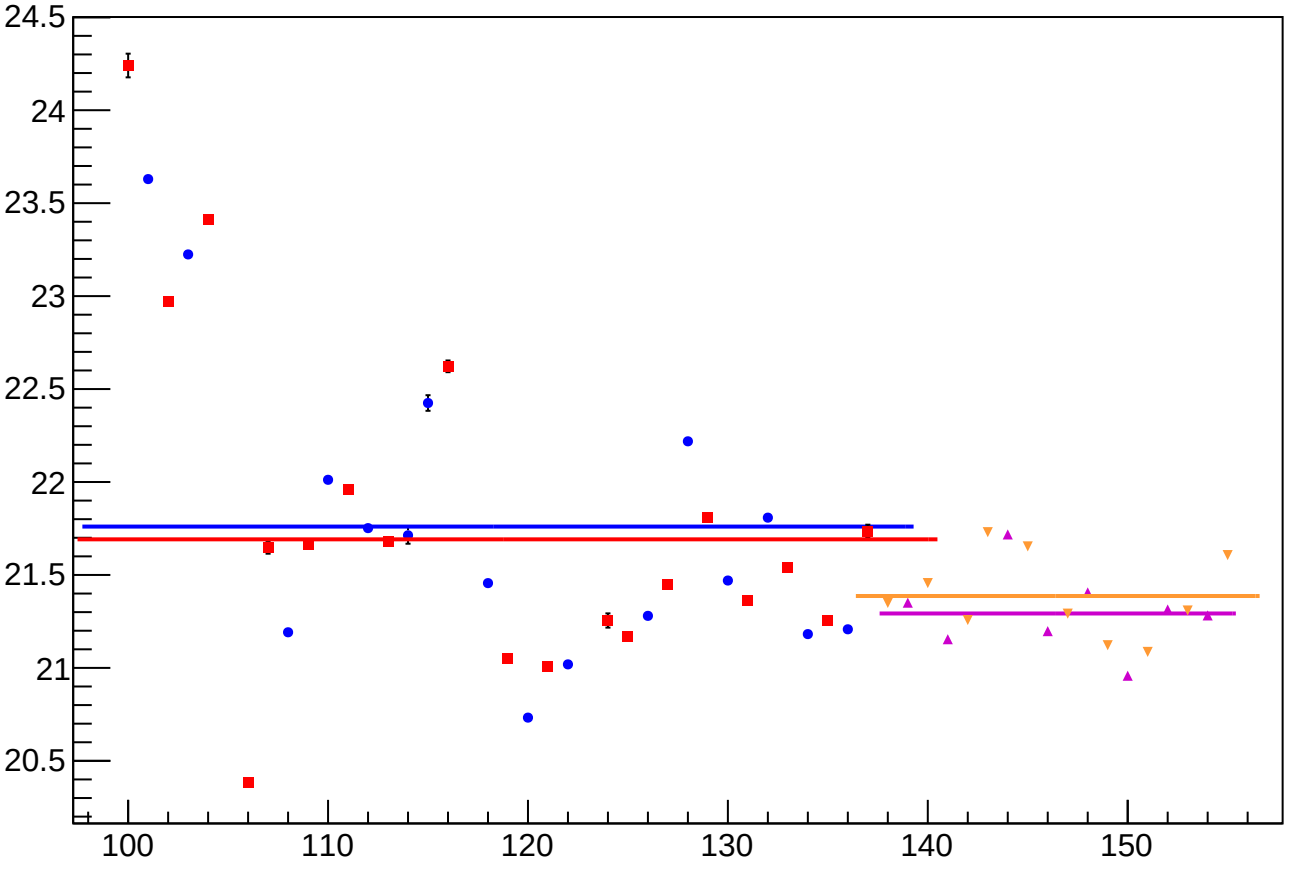
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -1.031+/-5.701 χ^2/NDF:27.9/23

Out: -18.575+/-5.494 χ^2/NDF:27.2/28

All: -10.127+/-3.956 χ^2/NDF: 60.1/52

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: 21.387+/-0.005 χ^2/NDF:1541.2/9

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.293+/-0.006 χ^2/NDF:1322.0/7

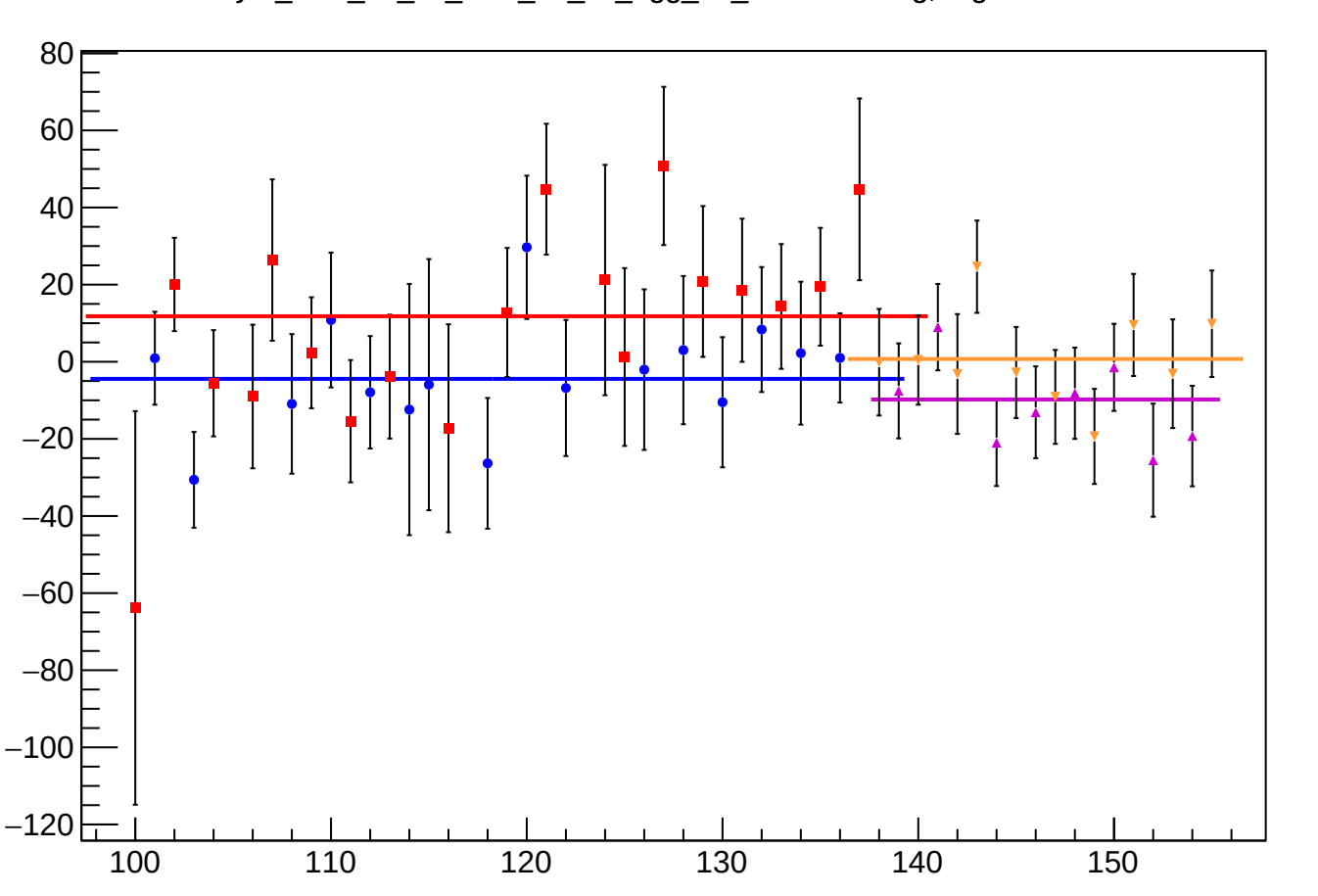
Left: 21.342+/-0.004 χ^2/NDF: 3007.0/17

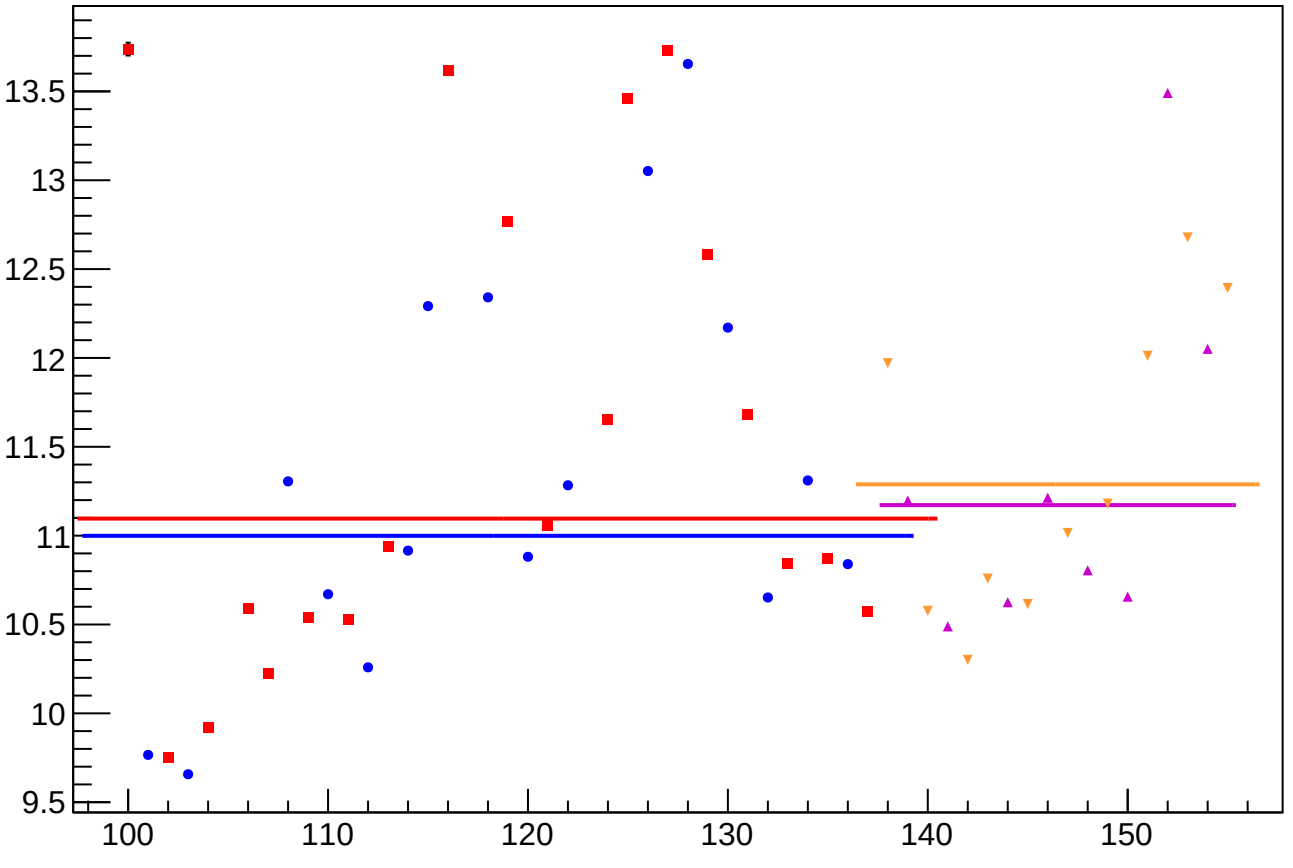
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.525+/-0.004 χ^2/NDF:24429.8/23

Out: 21.534+/-0.004 χ^2/NDF:21408.9/28

All: 21.530+/-0.003 χ^2/NDF: 45841.0/52


asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: -4.440+/-4.131 χ²/NDF: 12.0/15
Left Out: 0.719+/-4.073 χ²/NDF:8.4/9
Right Out: 11.807+/-4.097 χ²/NDF: 21.7/18
Left In: -9.784+/-4.261 χ²/NDF:6.2/7
Left: -4.295+/-2.944 χ²/NDF: 17.7/17
Right: 3.749+/-2.909 χ²/NDF: 41.5/34
In: -7.029+/-2.966 χ²/NDF:18.9/23
Out: 6.229+/-2.889 χ²/NDF:33.8/28
All: -0.224+/-2.069 χ²/NDF: 63.0/52



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.289+/-0.003 χ^2/NDF:70303.3/9

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.172+/-0.003 χ^2/NDF:77391.4/7

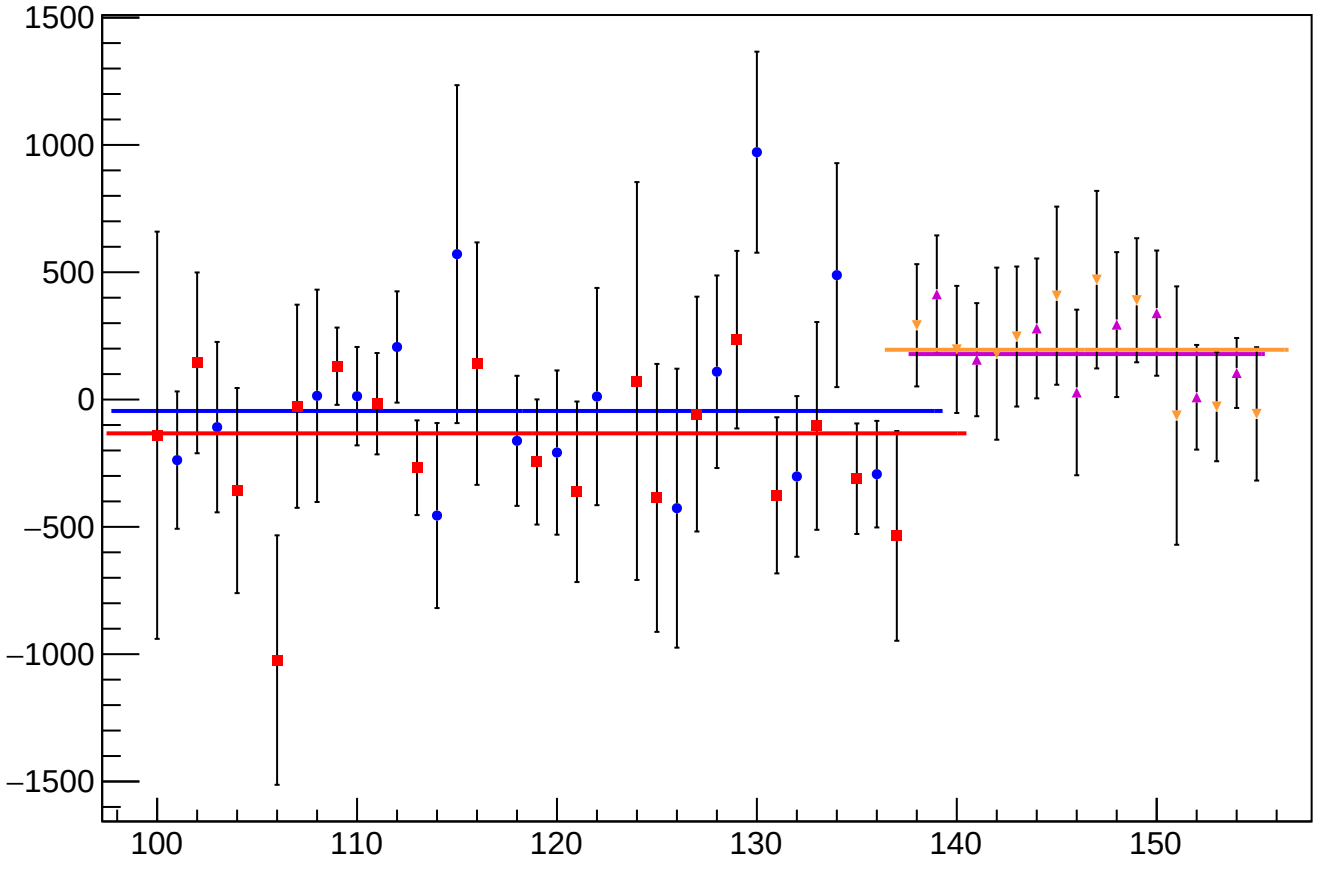
Left: 11.233+/-0.002 χ^2/NDF: 148479.7/17

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.083+/-0.002 χ^2/NDF:215246.7/23

Out: 11.193+/-0.002 χ^2/NDF:235437.3/28

All: 11.139+/-0.001 χ^2/NDF: 452099.0/52



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 195.544+/-88.119 χ^2/NDF:4.1/9

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 178.611+/-77.333 χ^2/NDF:3.0/7

Left: 185.978+/-58.124 χ^2/NDF: 7.1/17

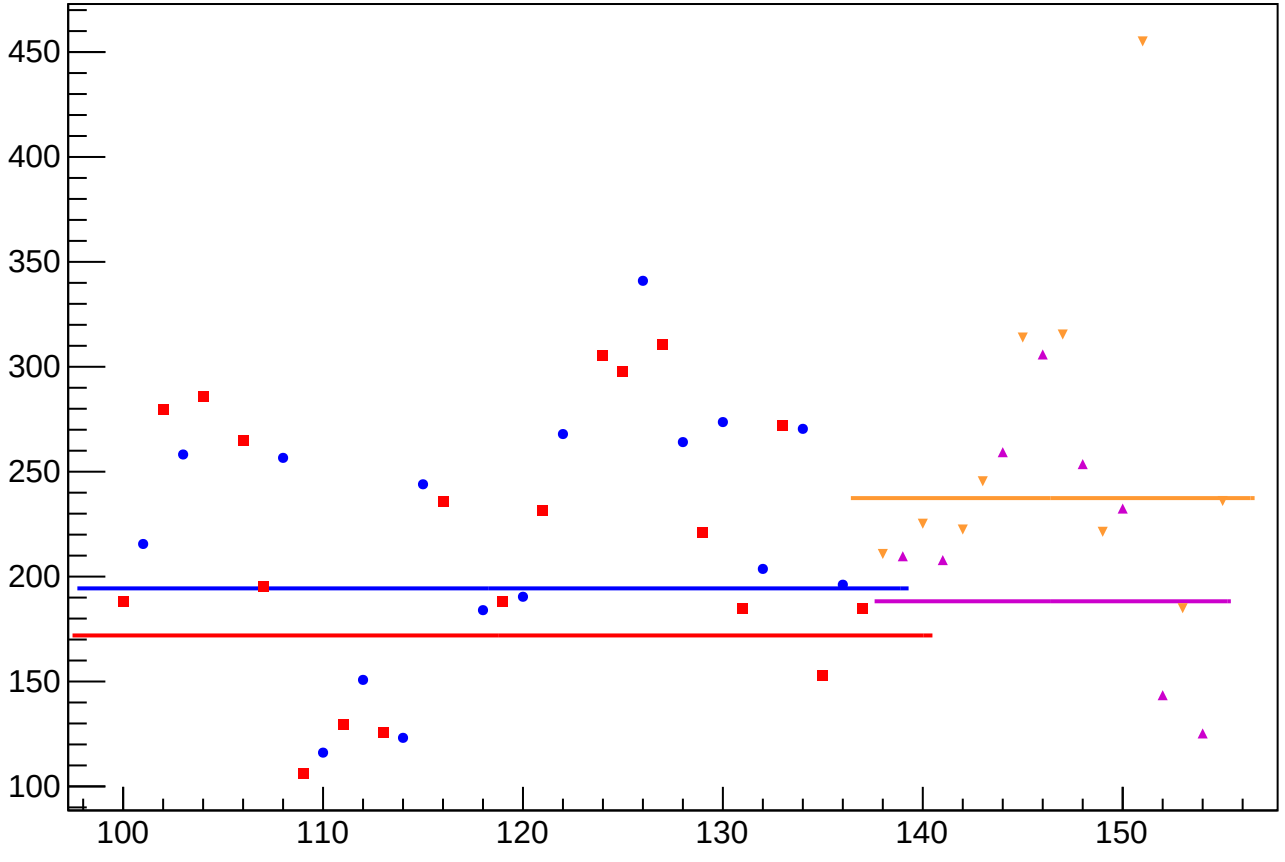
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 65.585+/-54.358 χ^2/NDF:22.6/23

Out: -9.598+/-53.968 χ^2/NDF:25.6/28

All: 27.722+/-38.298 χ^2/NDF: 49.2/52

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 237.412+/-0.062 χ^2/NDF:727042.1/9

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 188.233+/-0.055 χ^2/NDF:1113685.3/7

Left: 209.630+/-0.041 χ^2/NDF: 2192641.7/17

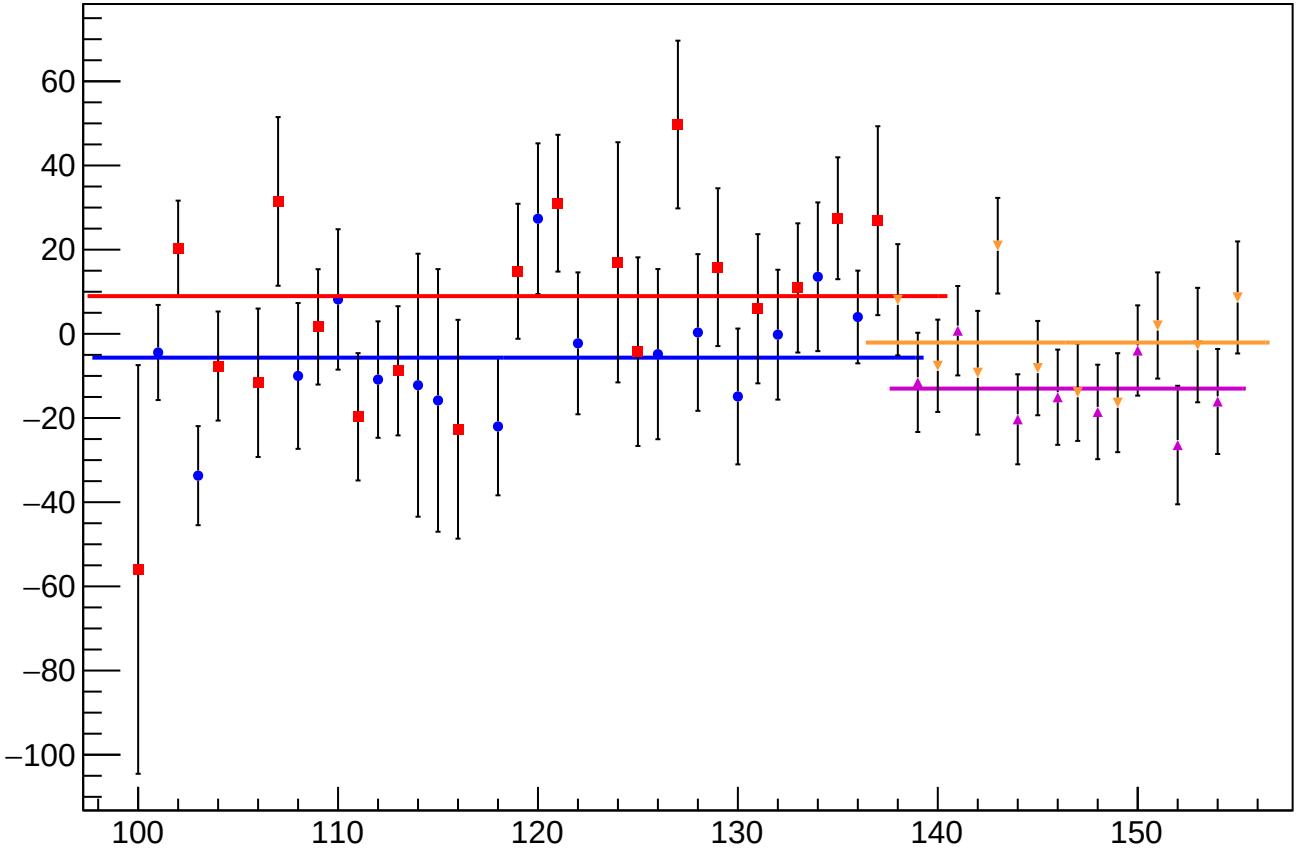
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 191.346+/-0.038 χ^2/NDF:2162113.0/23

Out: 196.503+/-0.038 χ^2/NDF:3068161.1/28

All: 193.943+/-0.027 χ^2/NDF: 5239342.7/52

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -2.067+/-3.880 χ^2/NDF:8.7/9

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -13.009+/-4.058 χ^2/NDF:4.1/7

Left: -7.292+/-2.805 χ^2/NDF: 16.7/17

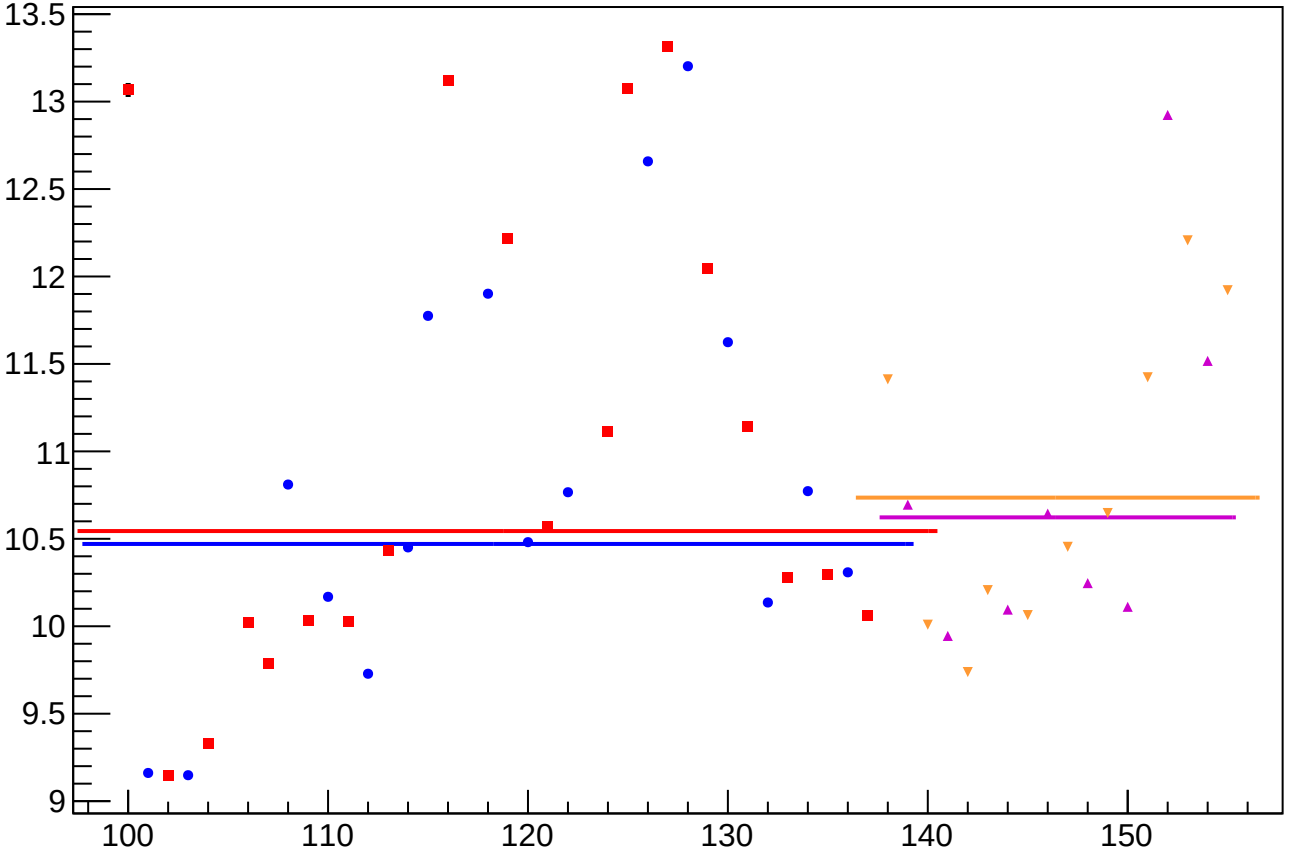
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -9.224+/-2.827 χ^2/NDF:19.5/23

Out: 3.417+/-2.751 χ^2/NDF:35.6/28

All: -2.732+/-1.971 χ^2/NDF: 65.3/52

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: 10.736+/-0.003 χ^2/NDF:81288.5/9

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.623+/-0.003 χ^2/NDF:83583.0/7

Left: 10.682+/-0.002 χ^2/NDF: 165681.1/17

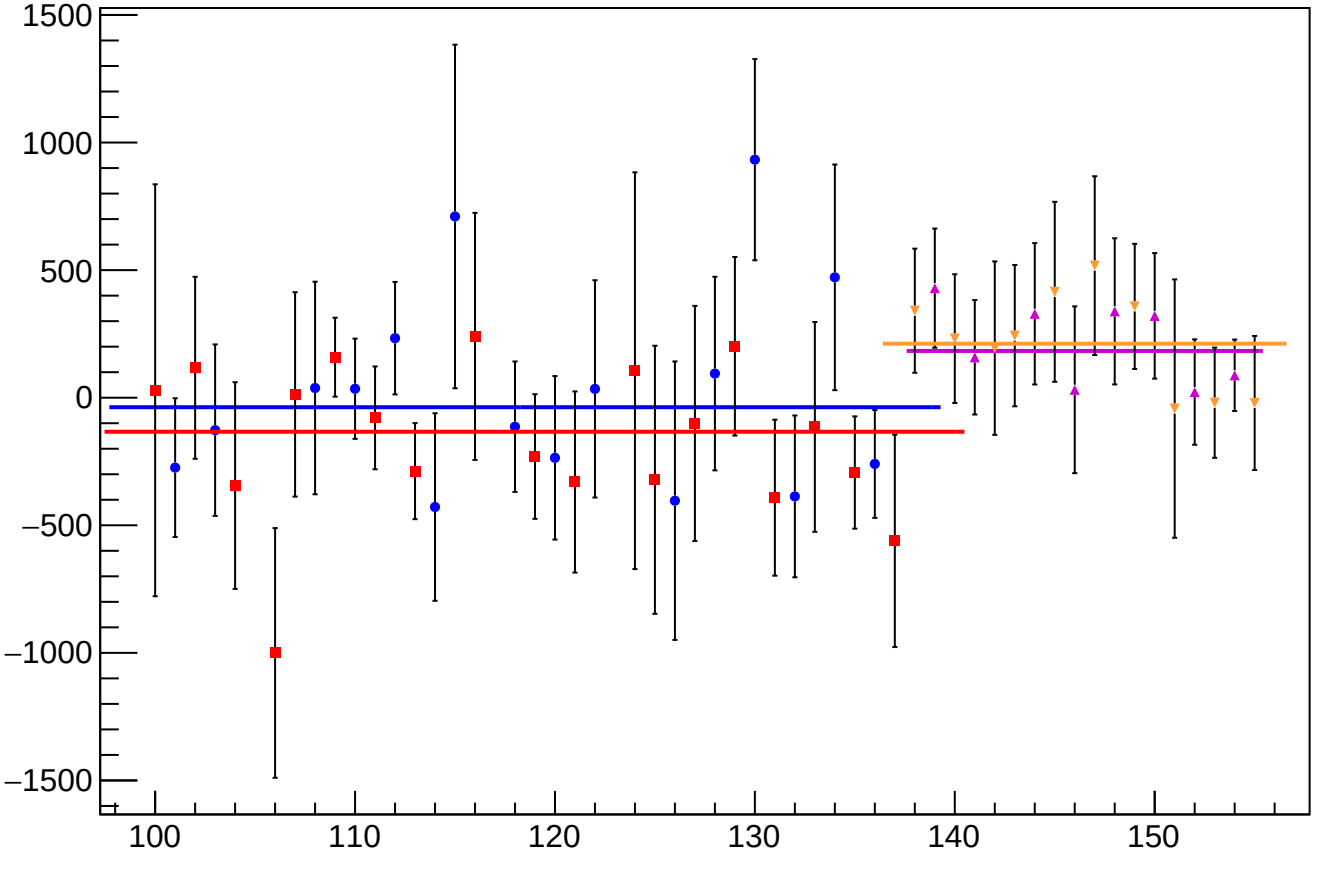
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.544+/-0.002 χ^2/NDF:242393.5/23

Out: 10.640+/-0.002 χ^2/NDF:270484.5/28

All: 10.594+/-0.001 χ^2/NDF: 514066.3/52

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: 211.731+/-88.749 χ^2/NDF:3.9/9

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 183.286+/-78.128 χ^2/NDF:3.3/7

Left: 195.705+/-58.642 χ^2/NDF: 7.3/17

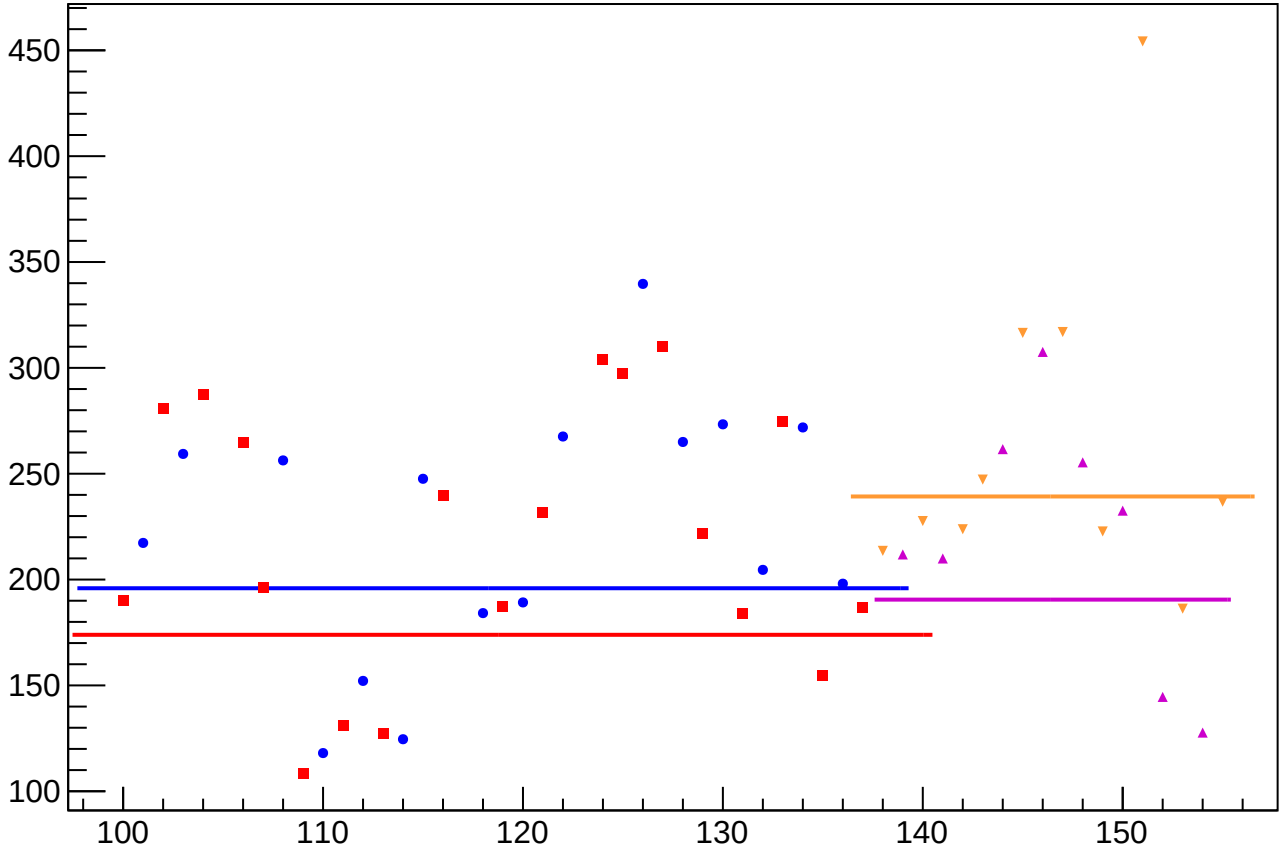
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 71.297+/-54.811 χ^2/NDF:23.0/23

Out: -3.637+/-54.417 χ^2/NDF:26.3/28

All: 33.560+/-38.617 χ^2/NDF: 50.2/52

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 239.247+/-0.063 χ^2/NDF:716880.6/9

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 190.525+/-0.055 χ^2/NDF:1082572.8/7

Left: 211.797+/-0.041 χ^2/NDF: 2139051.8/17

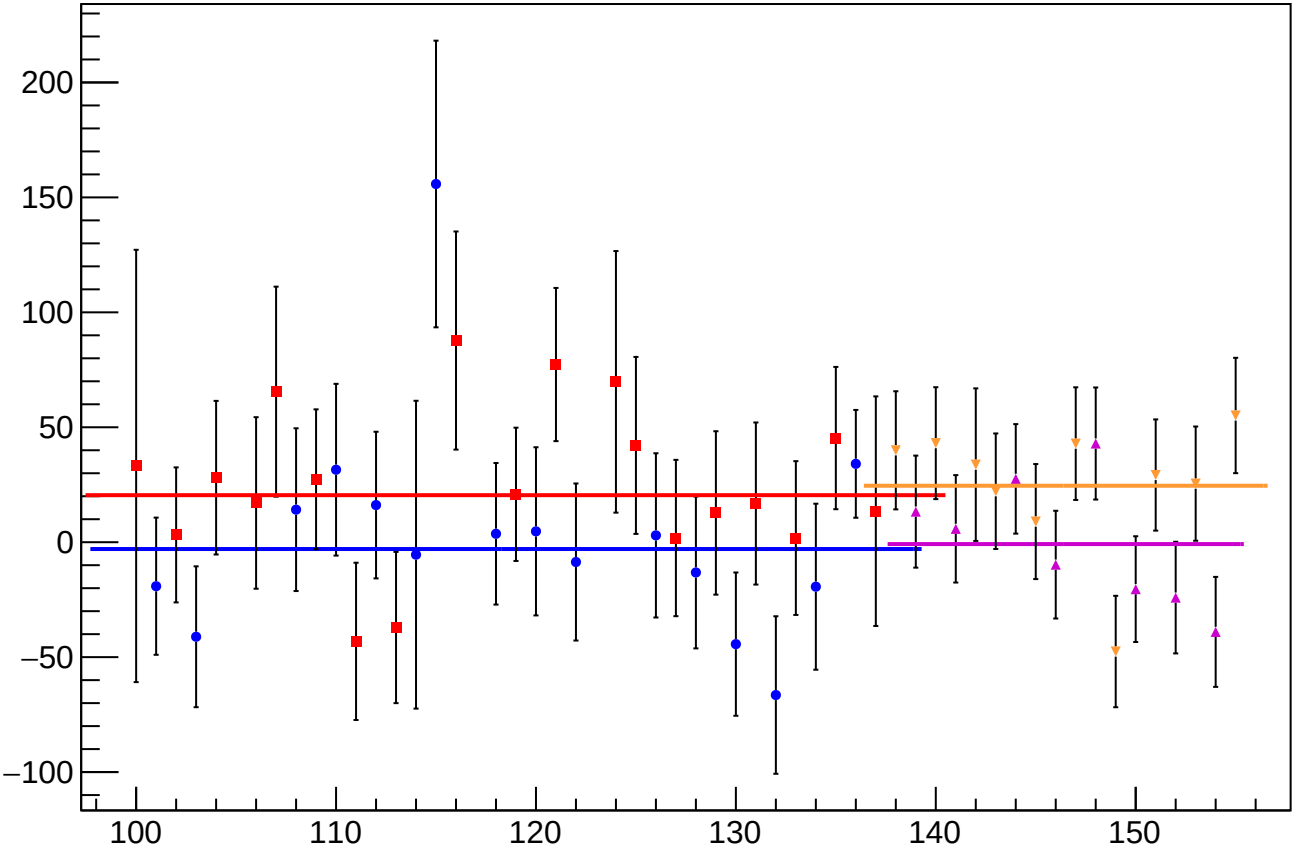
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 193.254+/-0.039 χ^2/NDF:2098392.4/23

Out: 198.469+/-0.038 χ^2/NDF:2993108.4/28

All: 195.880+/-0.027 χ^2/NDF: 5100616.7/52

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 24.562+/-8.012 χ^2/NDF:12.3/9

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: -0.814+/-8.417 χ^2/NDF:9.4/7

Left: 12.499+/-5.803 χ^2/NDF: 26.5/17

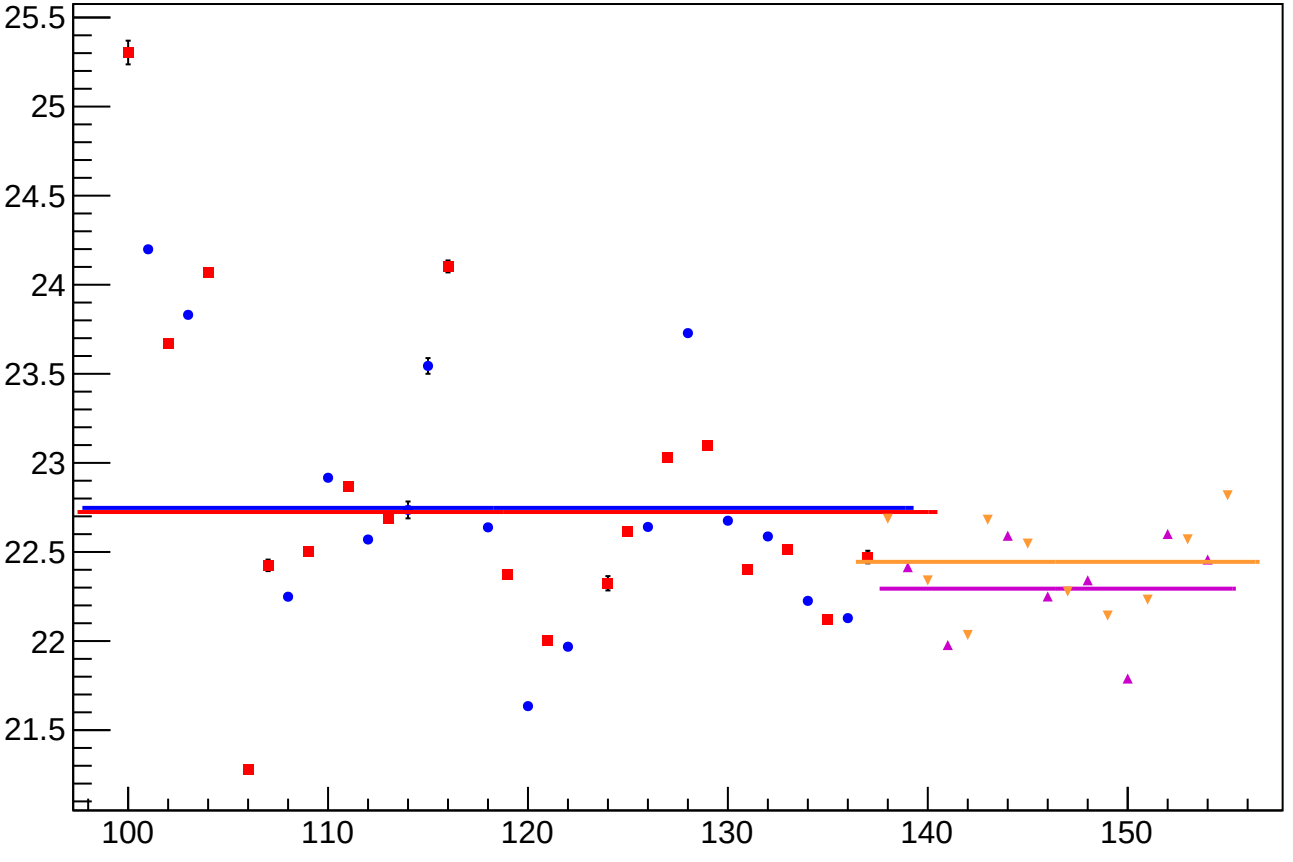
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: -1.886+/-5.965 χ^2/NDF:27.4/23

Out: 22.580+/-5.762 χ^2/NDF:27.8/28

All: 10.770+/-4.144 χ^2/NDF: 63.8/52

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.445+/-0.006 χ^2/NDF:1781.3/9

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.294+/-0.006 χ^2/NDF:2116.1/7

Left: 22.373+/-0.004 χ^2/NDF: 4232.9/17

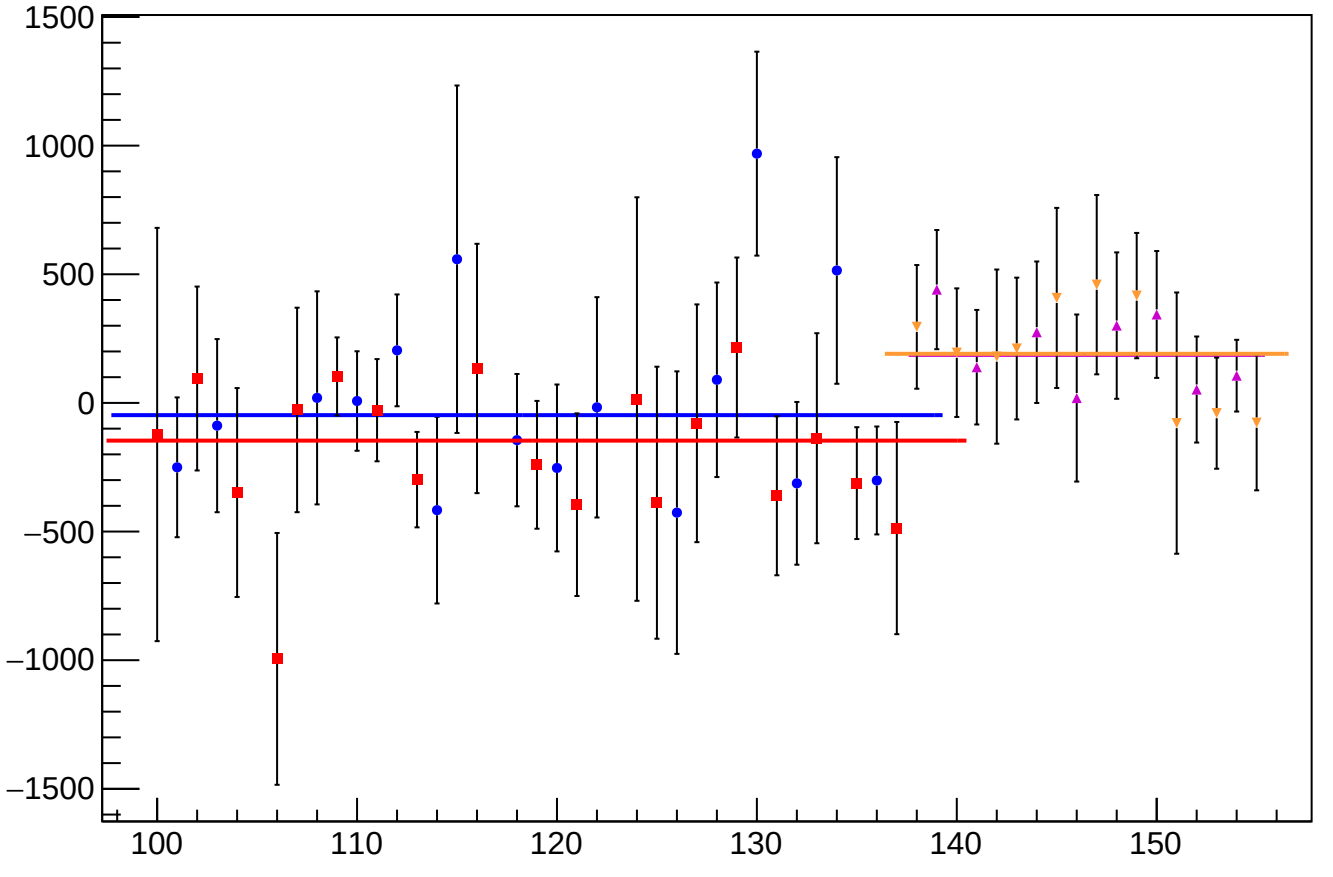
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.520+/-0.004 χ^2/NDF:19628.1/23

Out: 22.580+/-0.004 χ^2/NDF:17448.6/28

All: 22.551+/-0.003 χ^2/NDF: 37180.8/52

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 190.885+/-88.307 χ^2/NDF:4.5/9

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 186.651+/-77.776 χ^2/NDF:2.9/7

Left: 188.500+/-58.366 χ^2/NDF: 7.4/17

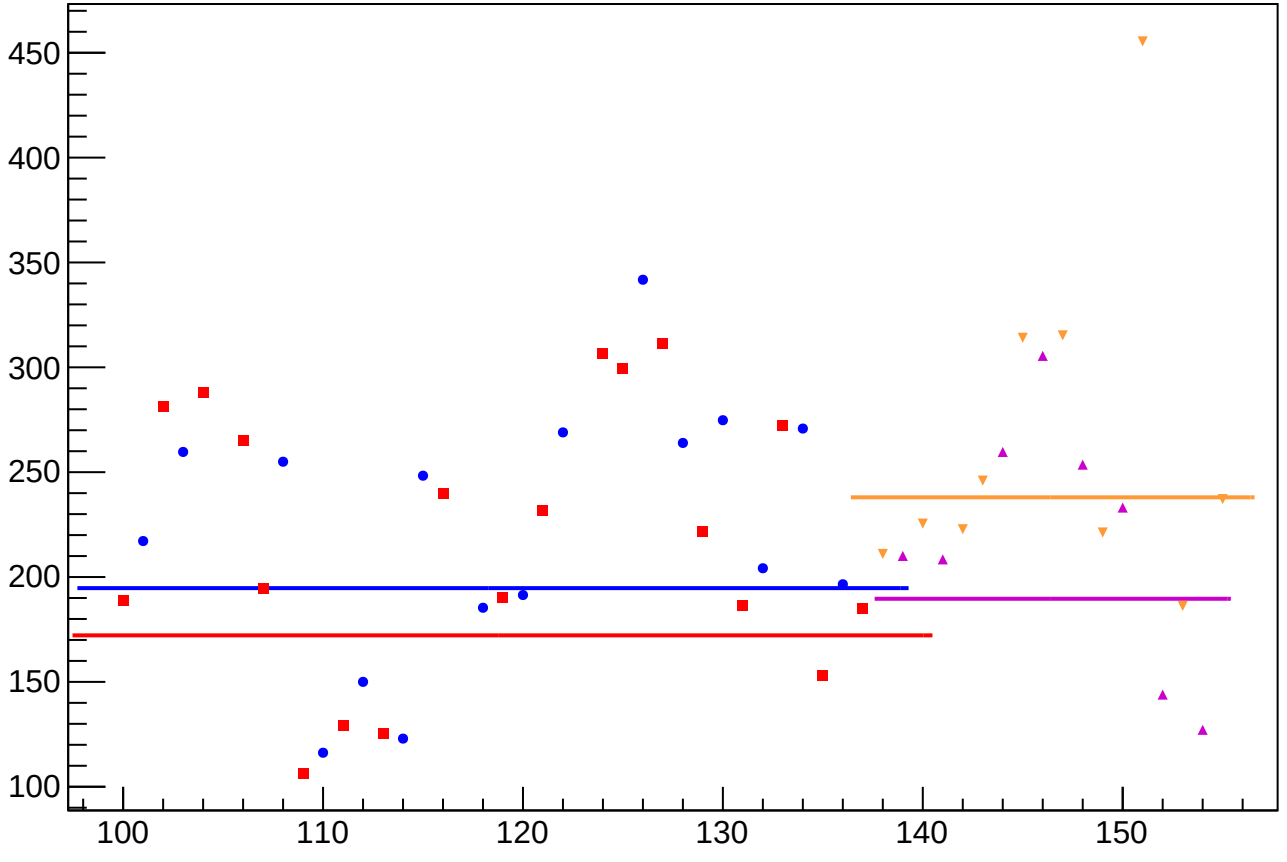
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 67.737+/-54.565 χ^2/NDF:22.9/23

Out: -20.037+/-54.075 χ^2/NDF:25.2/28

All: 23.454+/-38.409 χ^2/NDF: 49.4/52

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 238.005+/-0.062 χ^2/NDF:719832.1/9

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 189.635+/-0.055 χ^2/NDF:1077227.2/7

Left: 210.765+/-0.041 χ^2/NDF: 2134993.8/17

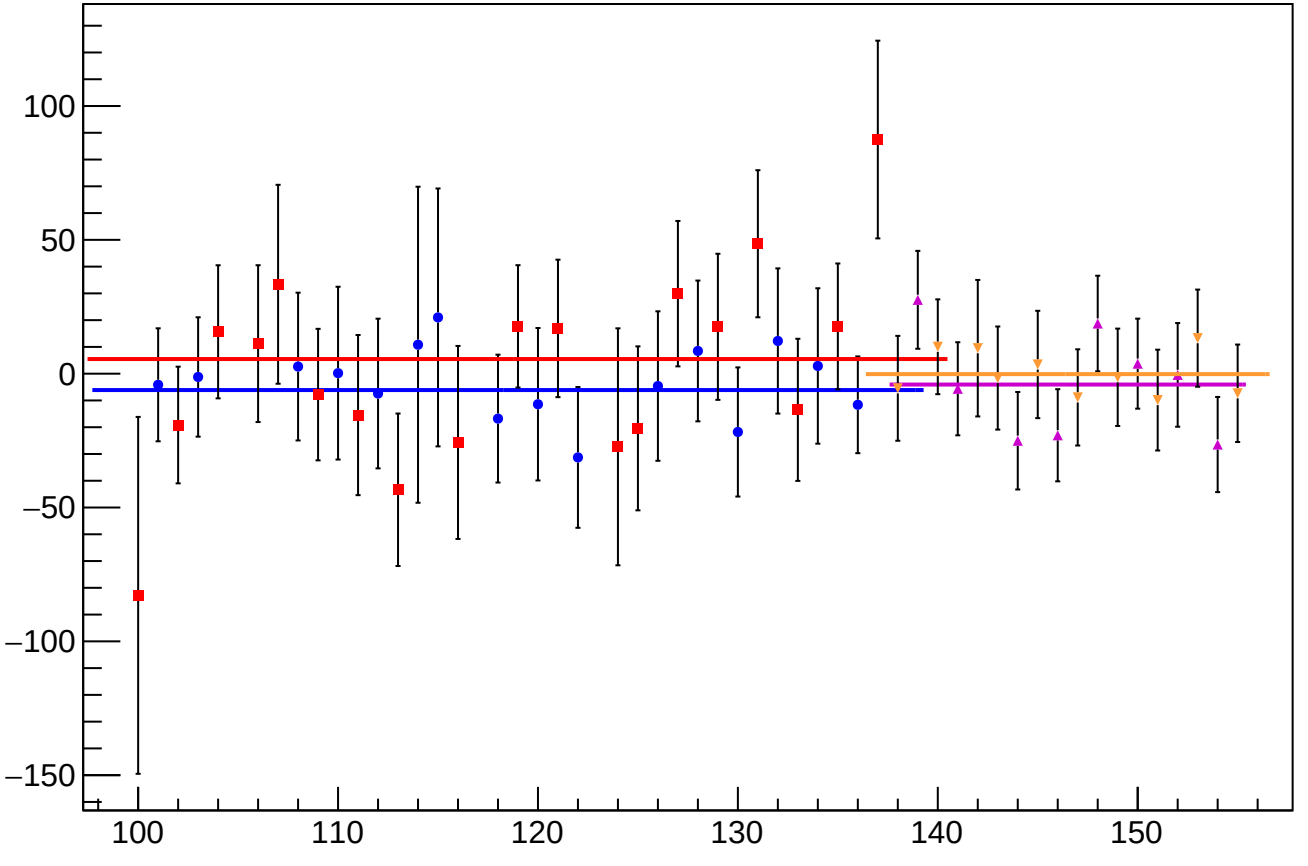
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 192.211+/-0.039 χ^2/NDF:2133837.3/23

Out: 196.866+/-0.038 χ^2/NDF:3085359.1/28

All: 194.560+/-0.027 χ^2/NDF: 5226541.2/52

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: -0.164+/-6.030 χ^2/NDF:1.8/9

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -4.059+/-6.301 χ^2/NDF:9.0/7

Left: -2.026+/-4.356 χ^2/NDF: 11.0/17

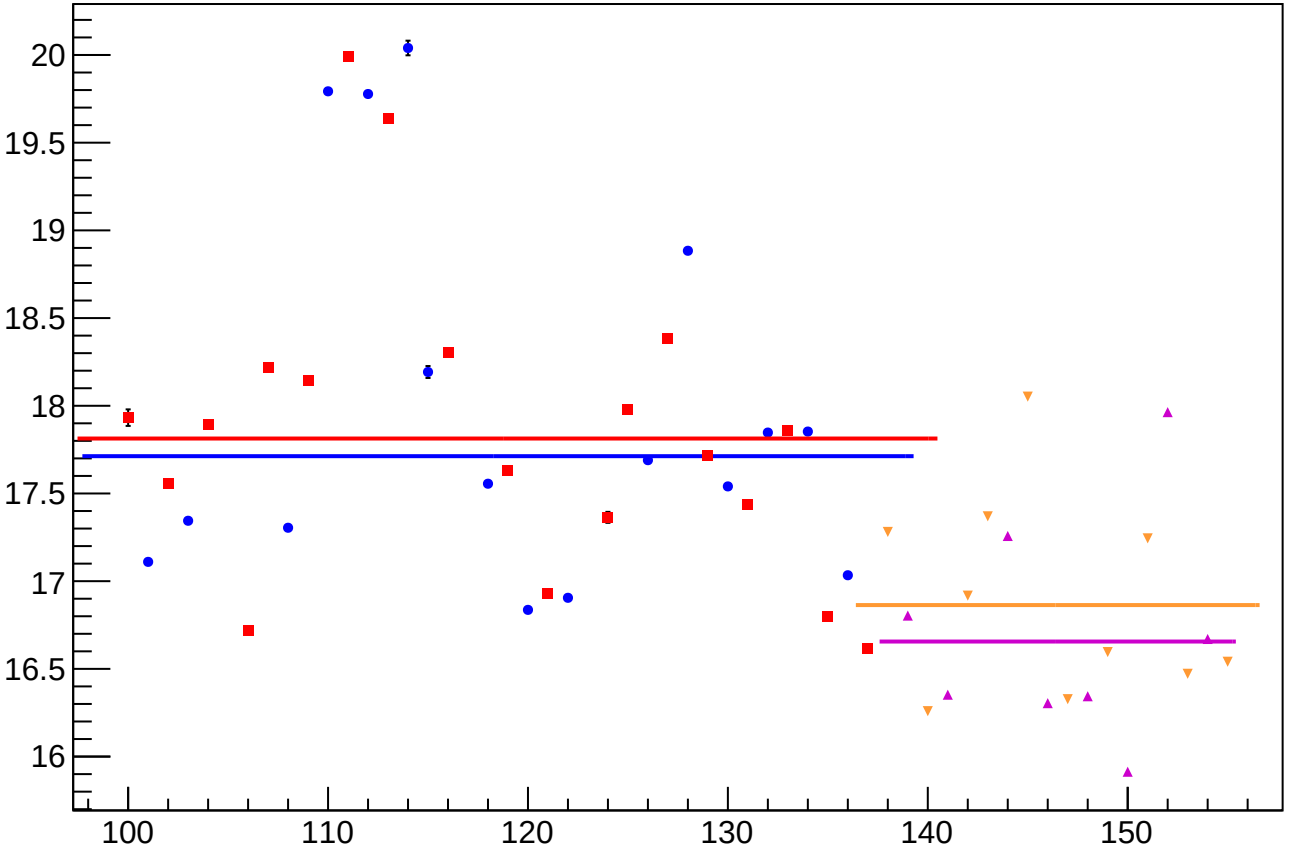
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -5.042+/-4.555 χ^2/NDF:12.2/23

Out: 2.438+/-4.423 χ^2/NDF:21.4/28

All: -1.193+/-3.173 χ^2/NDF: 35.0/52

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: 16.864+/-0.004 χ^2/NDF:16248.7/9

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.656+/-0.004 χ^2/NDF:17383.6/7

Left: 16.764+/-0.003 χ^2/NDF: 34768.7/17

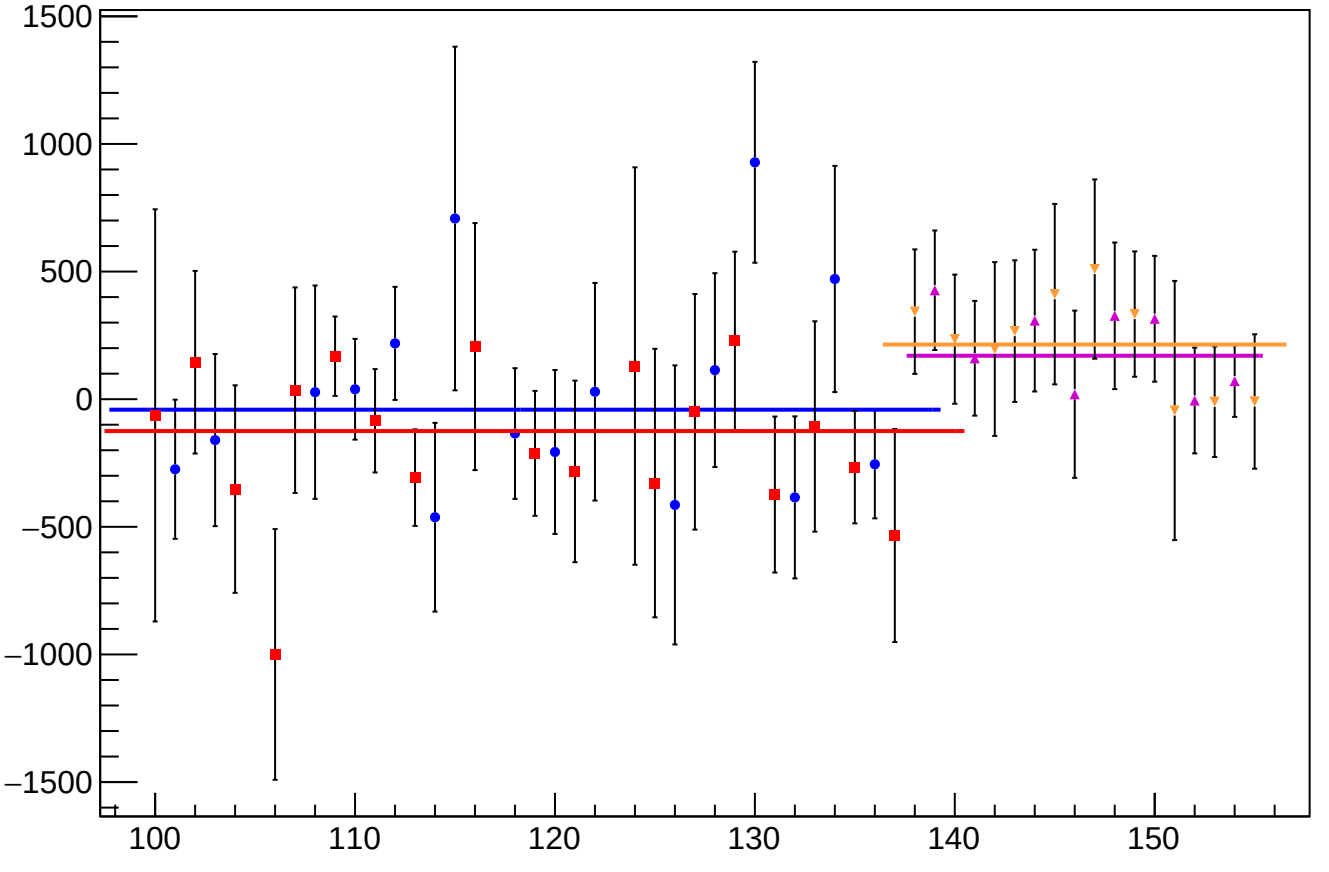
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.160+/-0.003 χ^2/NDF:80227.7/23

Out: 17.302+/-0.003 χ^2/NDF:71867.3/28

All: 17.233+/-0.002 χ^2/NDF: 153094.3/52

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: 214.063+/-88.951 χ^2/NDF:3.6/9

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 170.291+/-78.286 χ^2/NDF:3.5/7

Left: 189.396+/-58.767 χ^2/NDF: 7.3/17

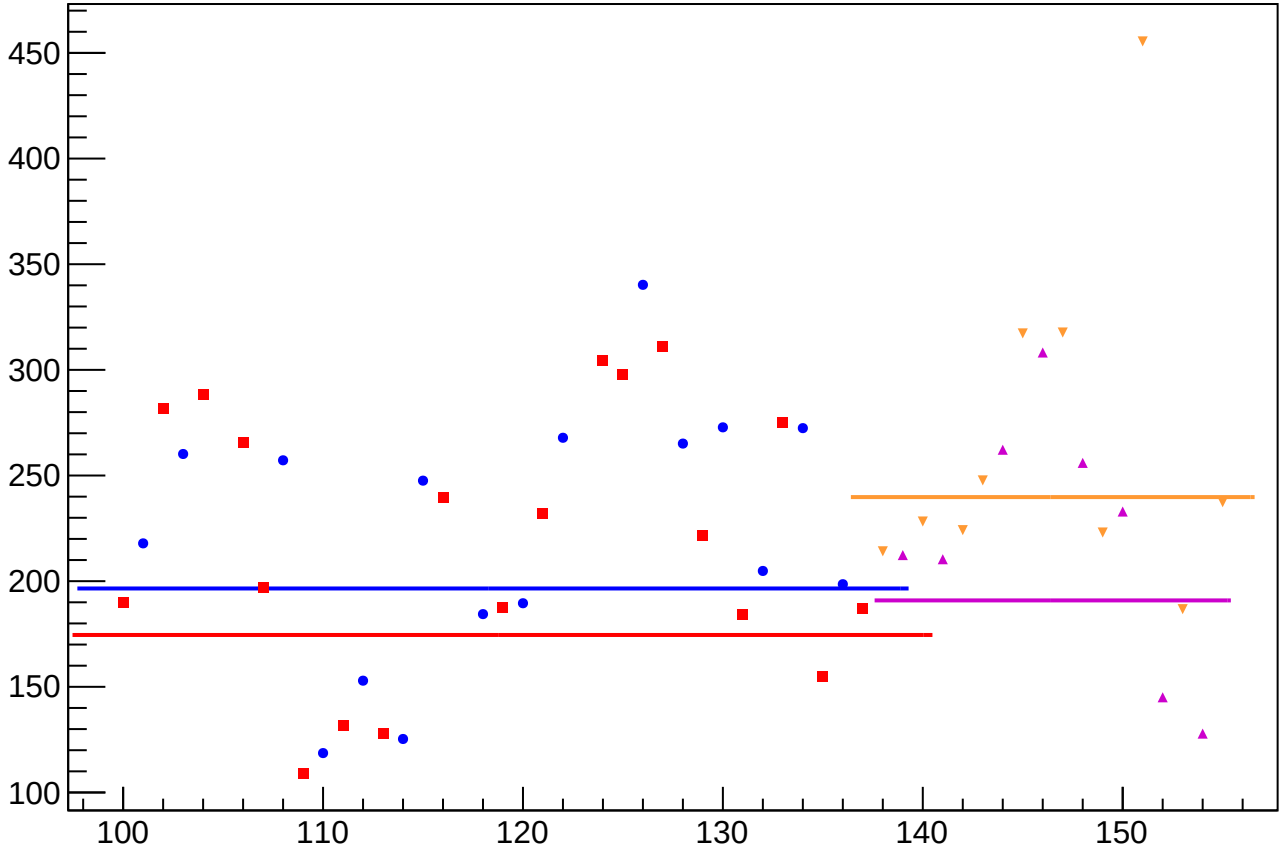
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 63.029+/-54.946 χ^2/NDF:22.8/23

Out: 2.706+/-54.573 χ^2/NDF:25.6/28

All: 32.662+/-38.720 χ^2/NDF: 49.0/52

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: 239.791+/-0.063 χ^2/NDF:716941.1/9

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 190.895+/-0.055 χ^2/NDF:1084108.3/7

Left: 212.237+/-0.042 χ^2/NDF: 2141602.6/17

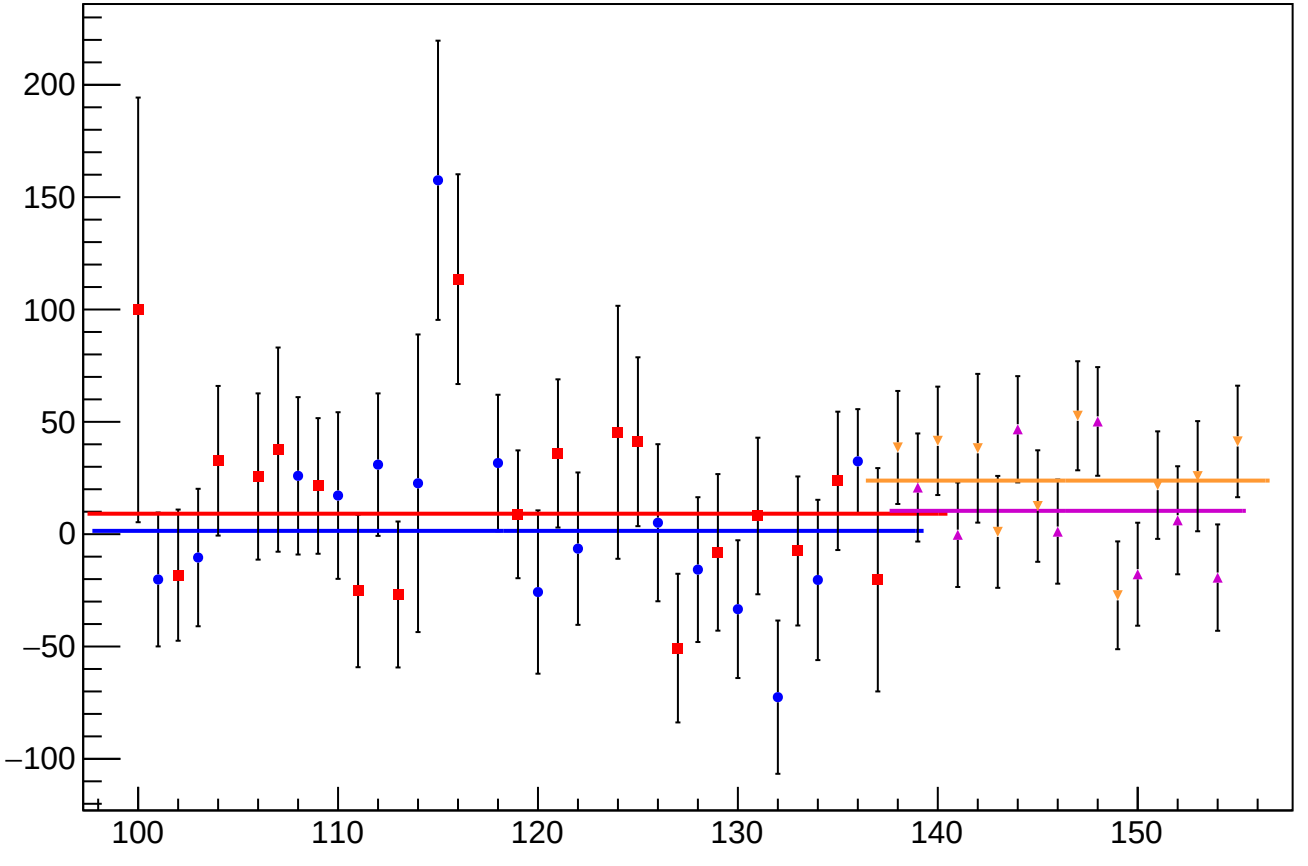
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 193.760+/-0.039 χ^2/NDF:2090159.7/23

Out: 199.101+/-0.039 χ^2/NDF:2976787.4/28

All: 196.449+/-0.027 χ^2/NDF: 5076459.9/52

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: 23.849+/-7.927 χ^2/NDF:8.6/9

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 10.389+/-8.346 χ^2/NDF:8.7/7

Left: 17.466+/-5.748 χ^2/NDF: 18.7/17

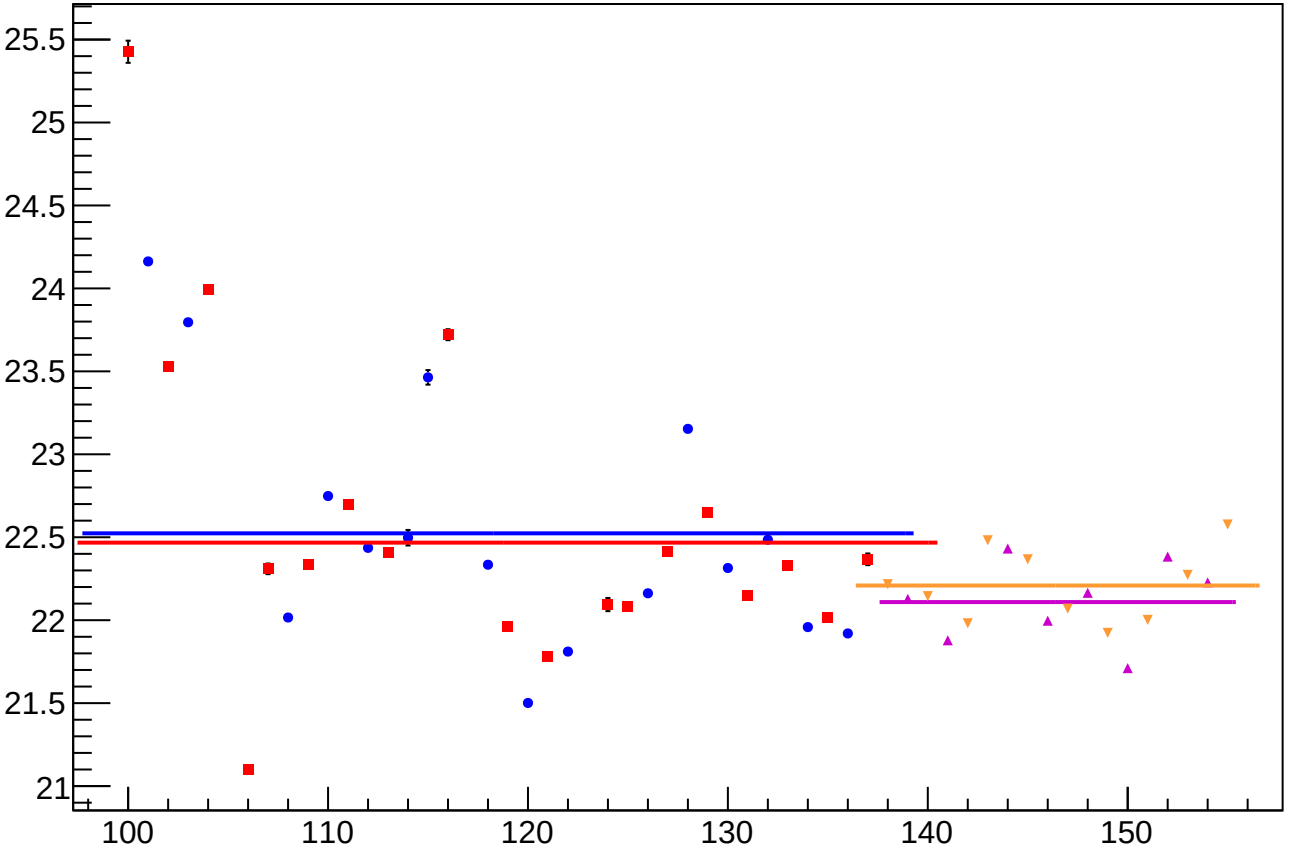
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 5.945+/-5.910 χ^2/NDF:28.0/23

Out: 16.728+/-5.698 χ^2/NDF:26.7/28

All: 11.533+/-4.102 χ^2/NDF: 56.4/52

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: 22.209+/-0.006 χ^2/NDF:1381.8/9

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.109+/-0.006 χ^2/NDF:1541.4/7

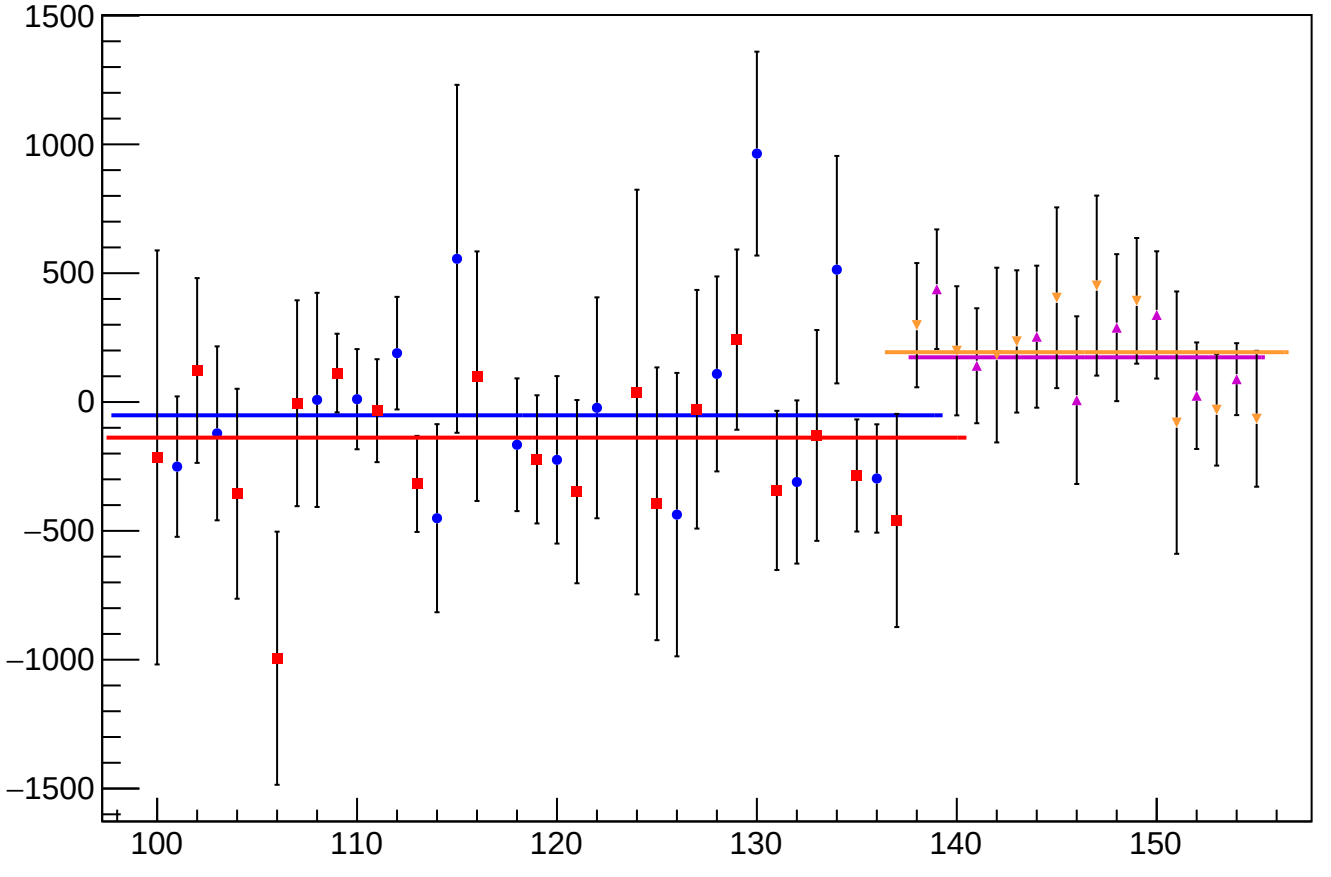
Left: 22.162+/-0.004 χ^2/NDF: 3073.7/17

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.316+/-0.004 χ^2/NDF:19946.8/23

Out: 22.334+/-0.004 χ^2/NDF:18036.2/28

All: 22.325+/-0.003 χ^2/NDF: 37992.8/52



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 193.362+/-88.509 χ^2/NDF:4.1/9

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 173.575+/-77.934 χ^2/NDF:3.2/7

Left: 182.216+/-58.491 χ^2/NDF: 7.3/17

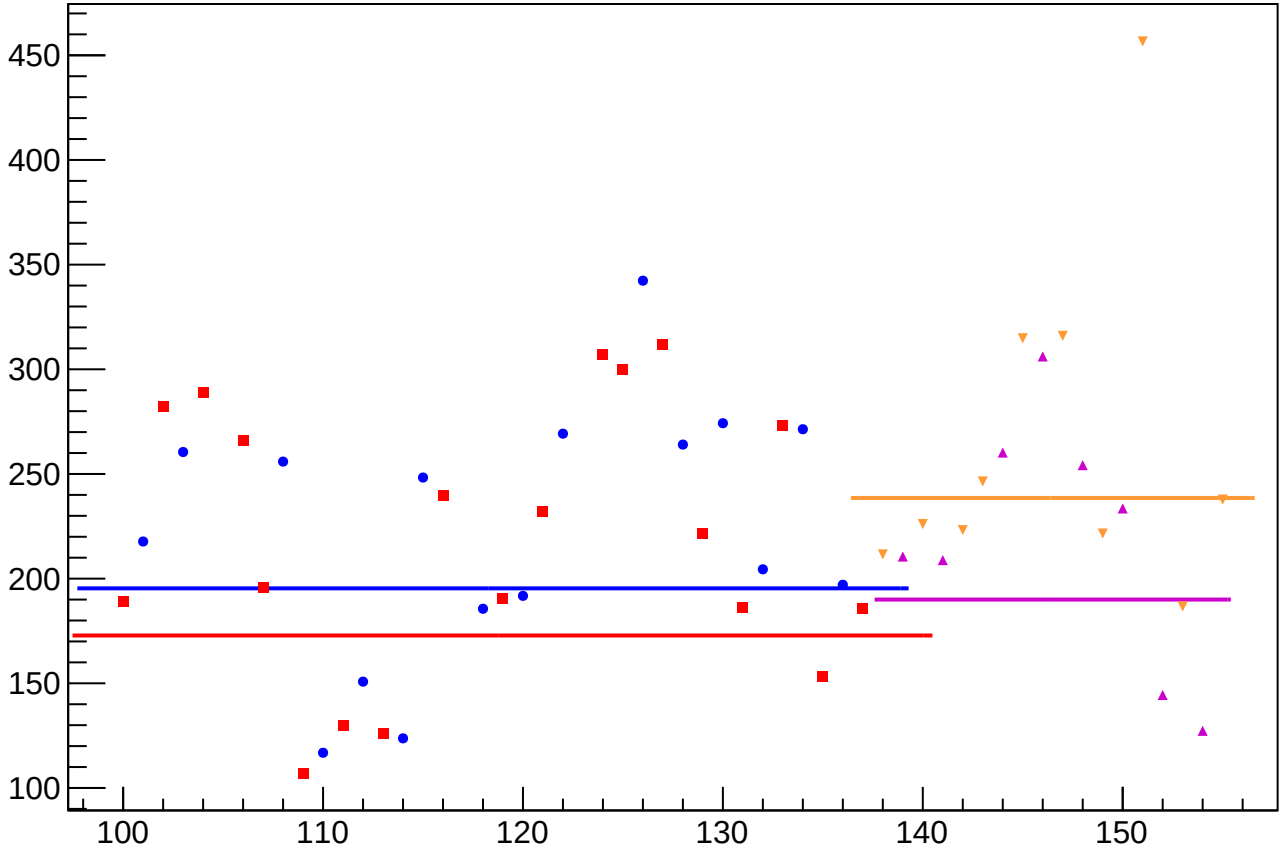
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 59.389+/-54.702 χ^2/NDF:22.7/23

Out: -13.704+/-54.233 χ^2/NDF:24.5/28

All: 22.528+/-38.513 χ^2/NDF: 48.1/52

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 238.548+/-0.063 χ^2/NDF:719922.8/9

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 190.007+/-0.055 χ^2/NDF:1078779.9/7

Left: 211.206+/-0.041 χ^2/NDF: 2137548.9/17

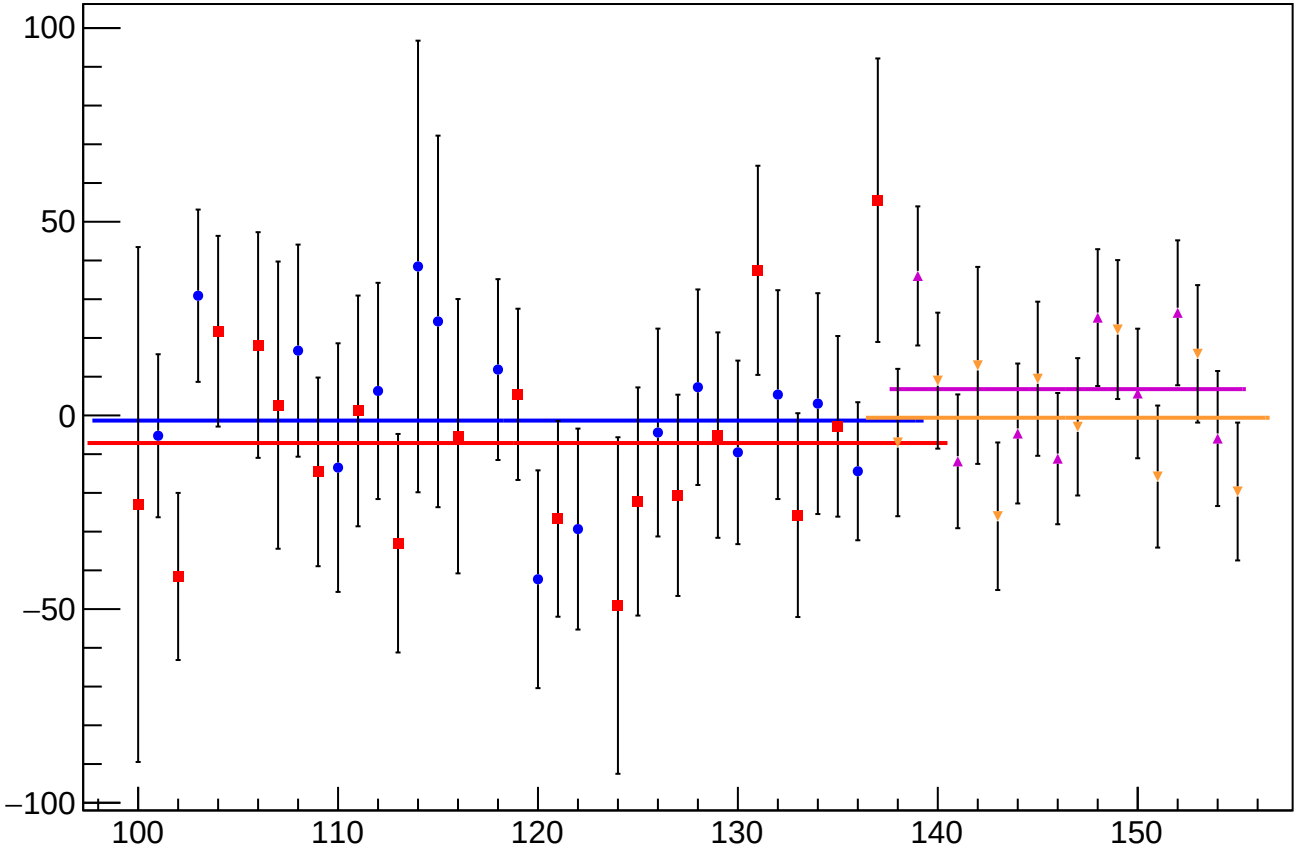
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 192.723+/-0.039 χ^2/NDF:2125000.5/23

Out: 197.508+/-0.038 χ^2/NDF:3067855.2/28

All: 195.136+/-0.027 χ^2/NDF: 5200573.7/52

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: -0.600+/-5.930 χ^2/NDF:7.1/9

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 6.789+/-6.210 χ^2/NDF:8.1/7

Left: 2.924+/-4.289 χ^2/NDF: 15.9/17

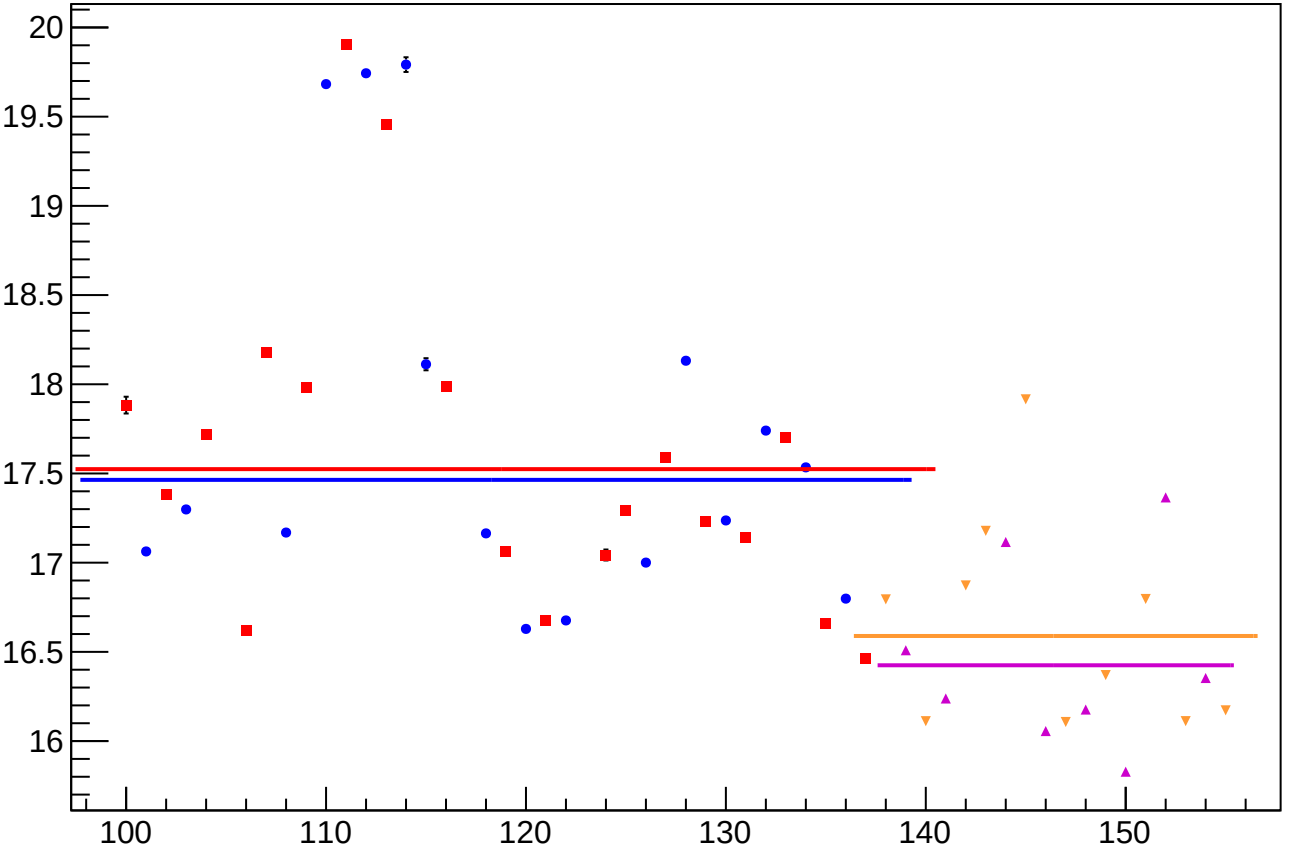
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 2.913+/-4.490 χ^2/NDF:16.9/23

Out: -3.613+/-4.350 χ^2/NDF:22.0/28

All: -0.453+/-3.124 χ^2/NDF: 40.0/52

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: 16.589+/-0.004 χ^2/NDF:17346.7/9

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.425+/-0.004 χ^2/NDF:12185.3/7

Left: 16.511+/-0.003 χ^2/NDF: 30263.4/17

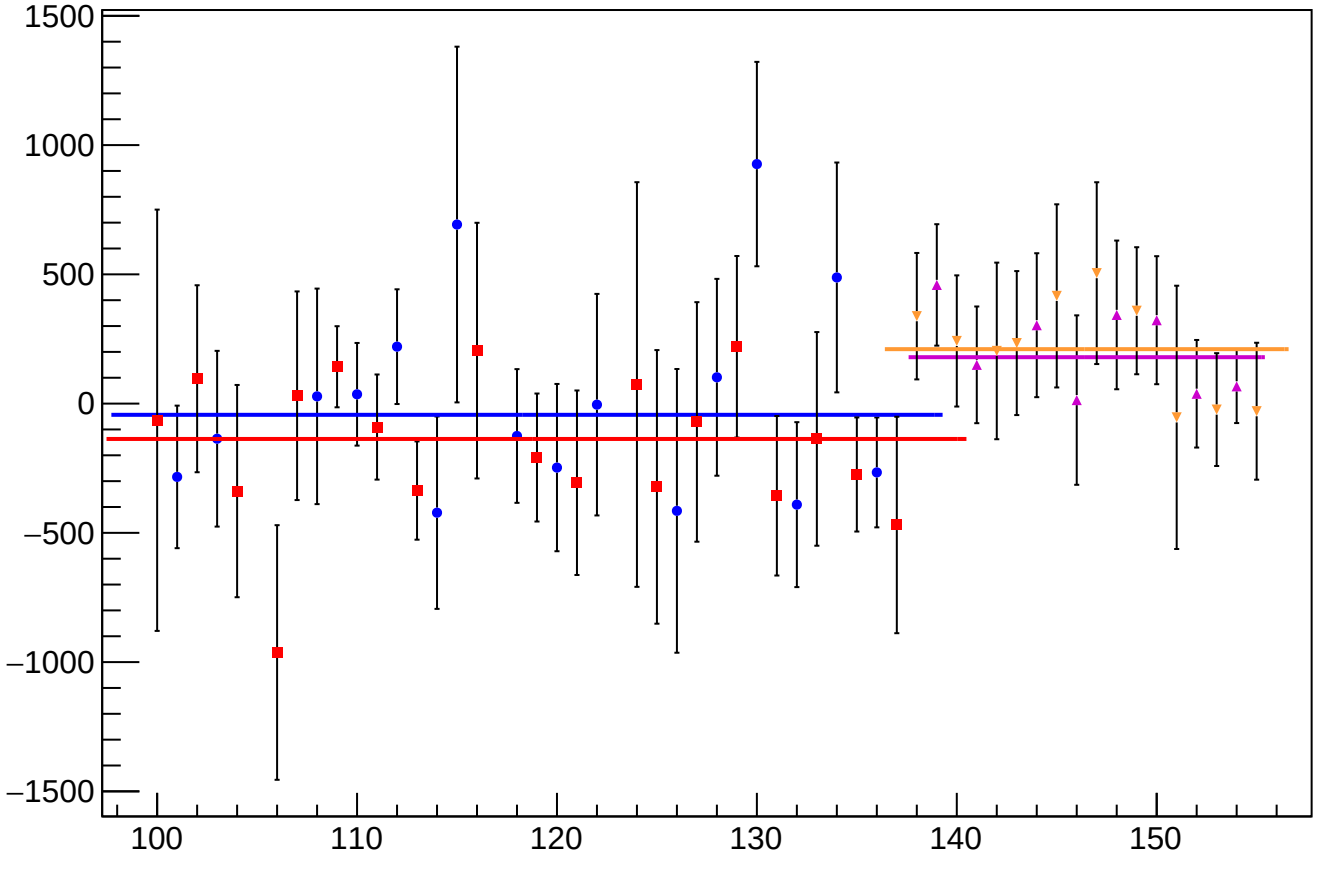
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.921+/-0.003 χ^2/NDF:75573.7/23

Out: 17.021+/-0.003 χ^2/NDF:75046.5/28

All: 16.973+/-0.002 χ^2/NDF: 151132.2/52

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: 210.620+/-89.283 χ^2/NDF:3.9/9

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 179.520+/-78.815 χ^2/NDF:3.6/7

Left: 193.141+/-59.087 χ^2/NDF: 7.6/17

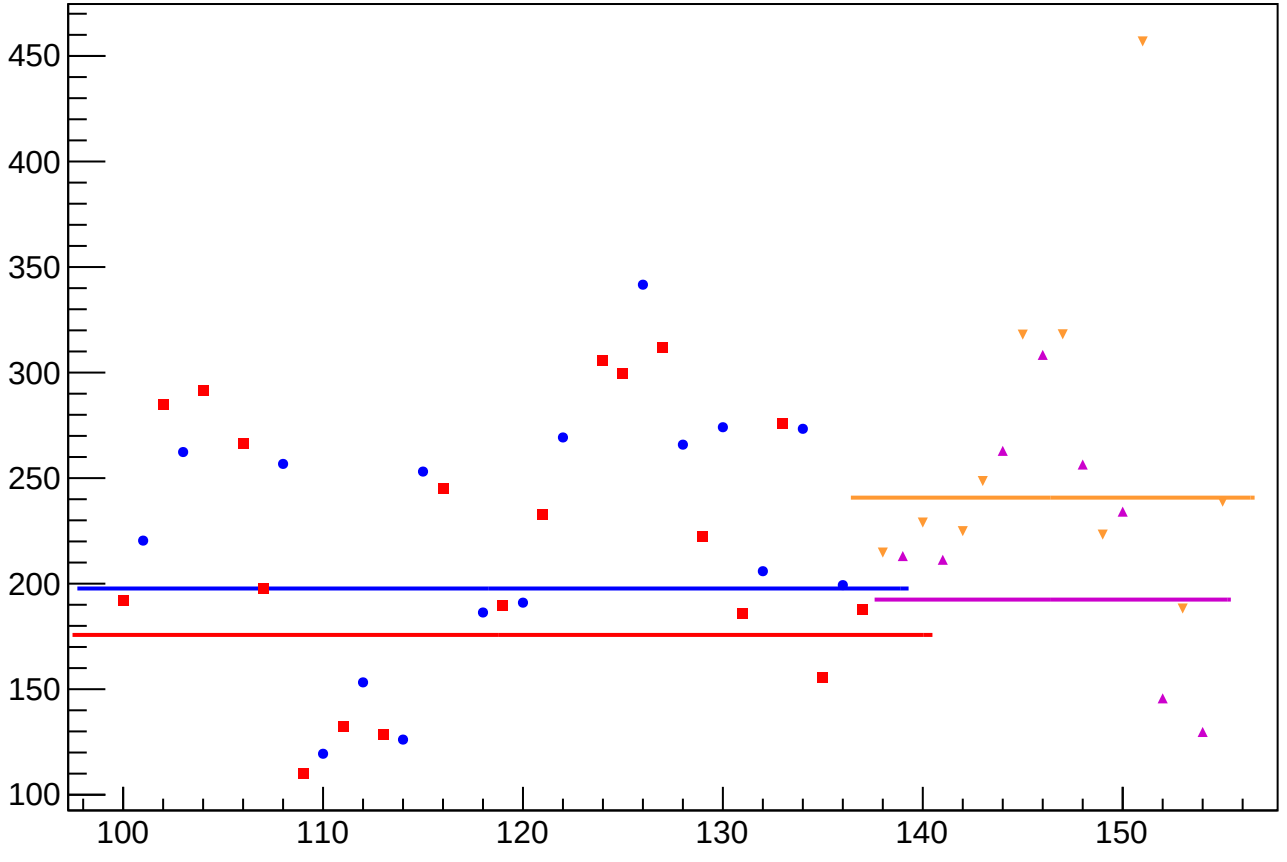
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 66.313+/-55.290 χ^2/NDF:23.2/23

Out: -5.566+/-54.871 χ^2/NDF:24.9/28

All: 30.099+/-38.947 χ^2/NDF: 48.9/52

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: 240.753+/-0.063 χ^2/NDF:711212.8/9

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 192.452+/-0.056 χ^2/NDF:1054052.6/7

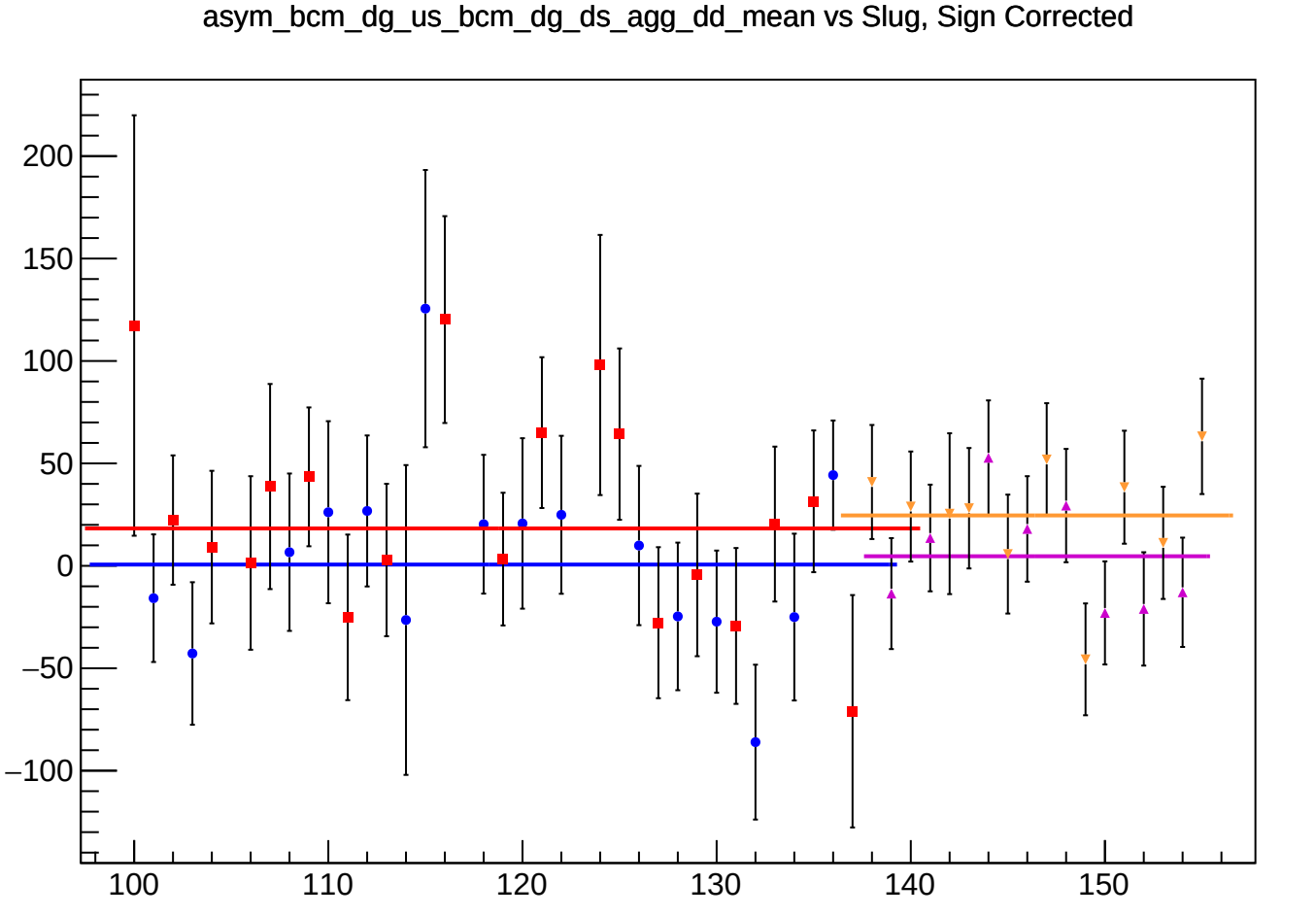
Left: 213.607+/-0.042 χ^2/NDF: 2094243.8/17

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

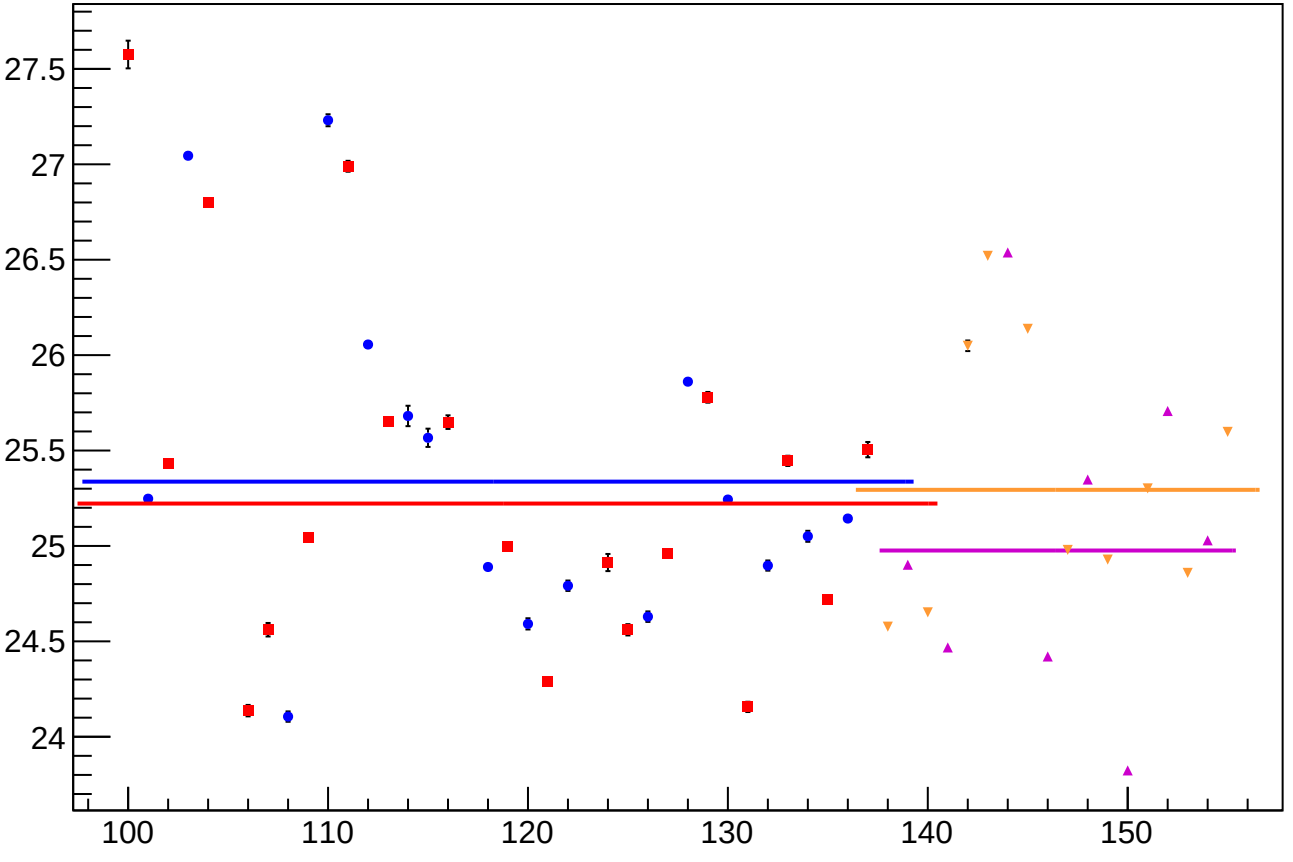
In: 195.121+/-0.039 χ^2/NDF:2058892.7/23

Out: 200.280+/-0.039 χ^2/NDF:2962204.8/28

All: 197.720+/-0.028 χ^2/NDF: 5029870.5/52


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
Right In: 0.619+/-9.421 χ²/NDF: 16.7/15
Left Out: 24.607+/-9.037 χ²/NDF:10.8/9
Right Out: 18.248+/-9.208 χ²/NDF: 18.0/18
Left In: 4.681+/-9.441 χ²/NDF:7.1/7
Left: 15.079+/-6.529 χ²/NDF: 20.2/17
Right: 9.635+/-6.585 χ²/NDF: 36.5/34
In: 2.646+/-6.669 χ²/NDF:23.9/23
Out: 21.487+/-6.450 χ²/NDF:29.0/28
All: 12.381+/-4.636 χ²/NDF: 57.1/52

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.294+/-0.006 χ^2/NDF:9738.9/9

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.976+/-0.007 χ^2/NDF:13888.4/7

Left: 25.142+/-0.005 χ^2/NDF: 24811.5/17

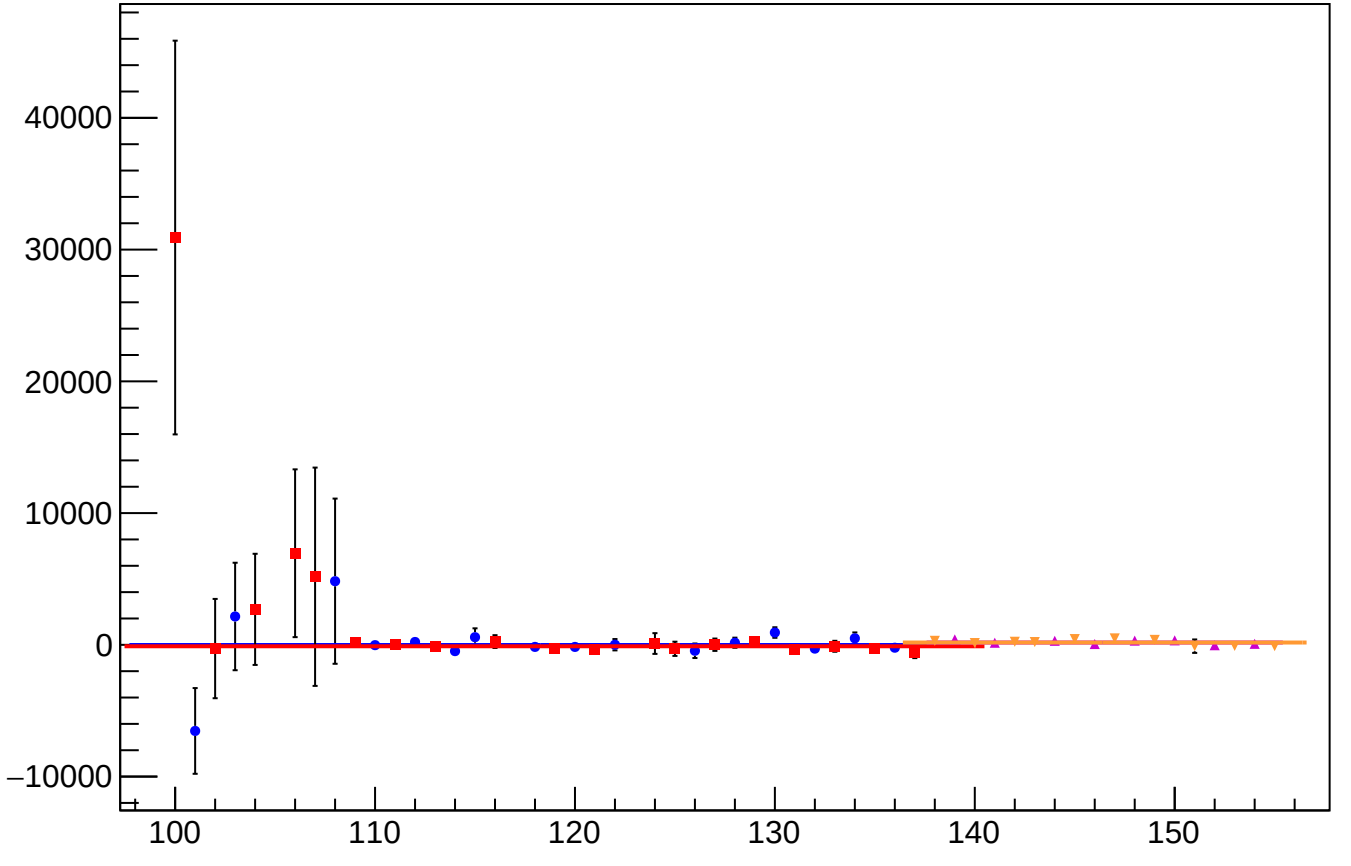
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.157+/-0.005 χ^2/NDF:29668.2/23

Out: 25.259+/-0.005 χ^2/NDF:25025.5/28

All: 25.210+/-0.003 χ^2/NDF: 54934.8/52

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: 175.619+/-91.023 χ^2/NDF:4.8/9

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 174.470+/-80.313 χ^2/NDF:3.4/7

Left: 174.973+/-60.222 χ^2/NDF: 8.3/17

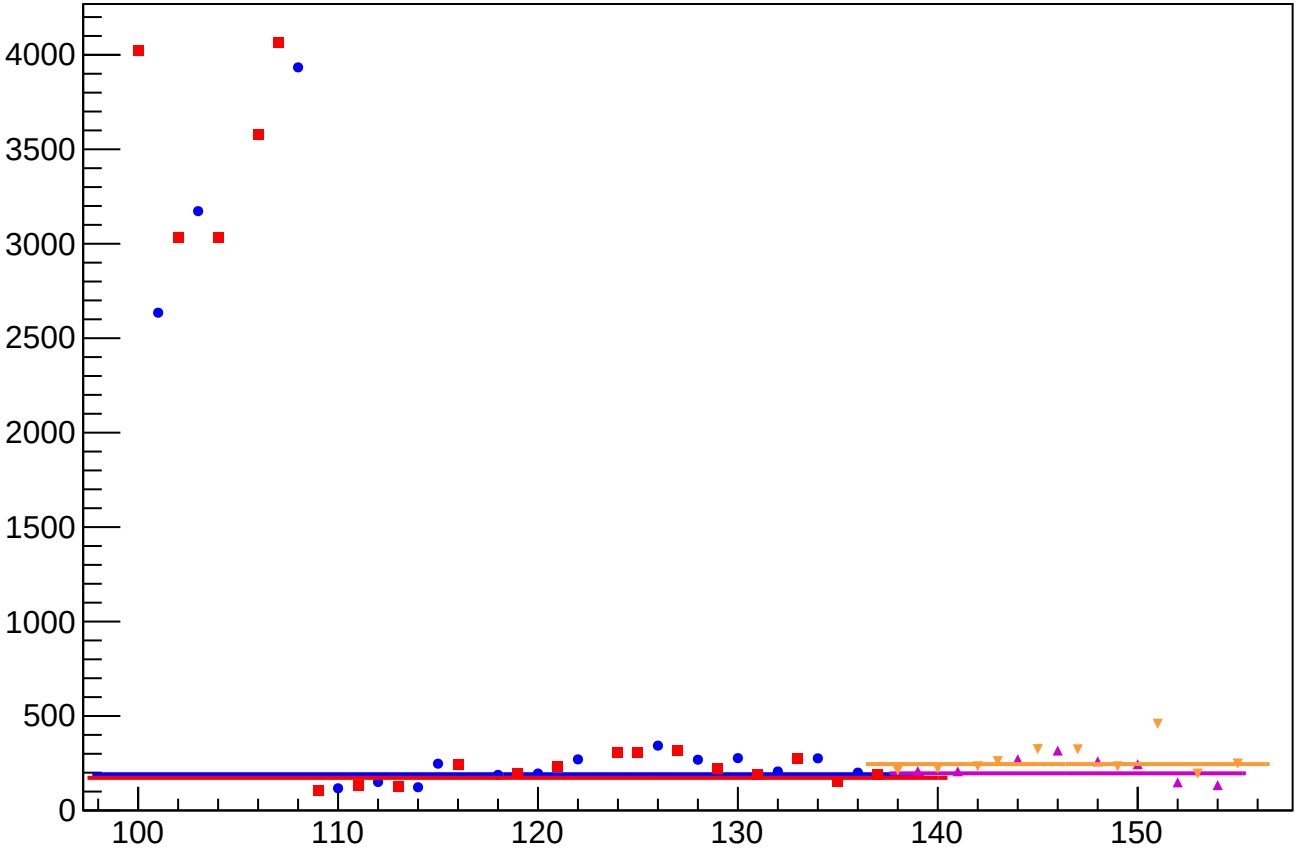
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 84.557+/-58.279 χ^2/NDF:24.4/23

Out: 11.786+/-59.272 χ^2/NDF:24.5/28

All: 48.786+/-41.556 χ^2/NDF: 49.6/52

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 245.528+/-0.064 χ^2/NDF:711182.4/9

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 196.439+/-0.057 χ^2/NDF:1023216.3/7

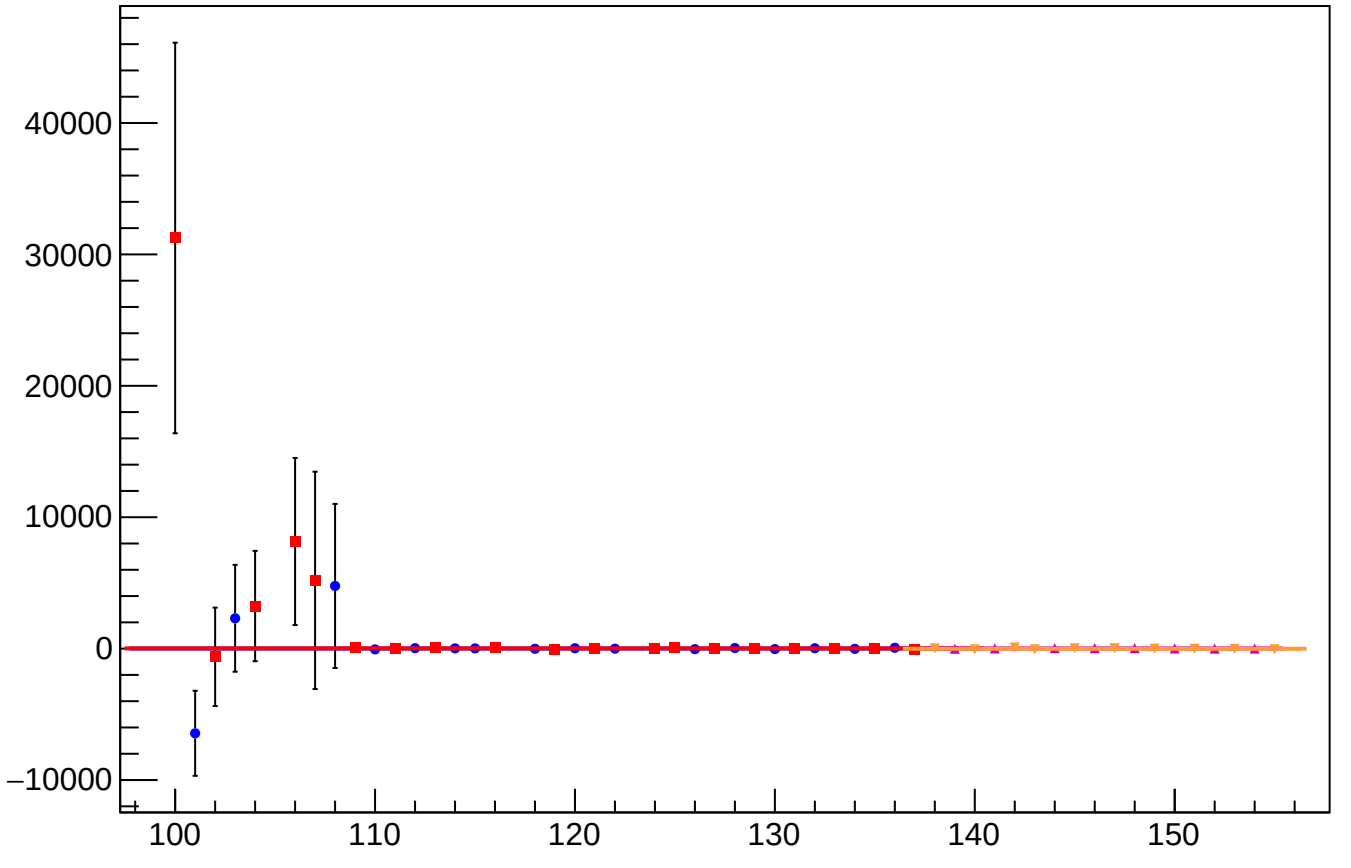
Left: 217.927+/-0.043 χ^2/NDF: 2061470.5/17

Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 194.212+/-0.041 χ^2/NDF:4848267.8/23

Out: 203.444+/-0.042 χ^2/NDF:5756579.9/28

All: 198.750+/-0.029 χ^2/NDF: 10629516.2/52



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -9.188+/-10.589 χ^2/NDF:13.3/9

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 17.399+/-11.247 χ^2/NDF:2.2/7

Left: 3.305+/-7.710 χ^2/NDF: 18.5/17

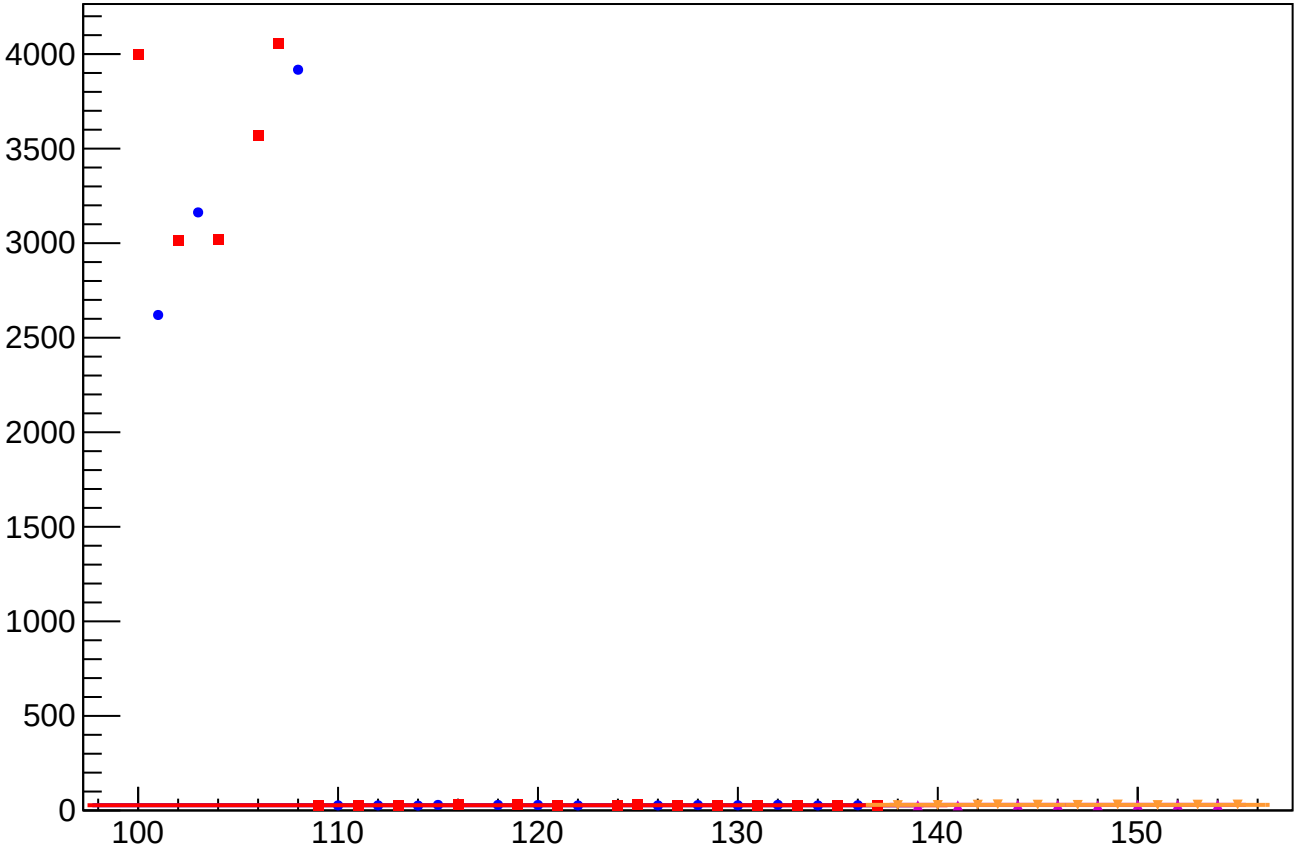
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 13.637+/-8.103 χ^2/NDF:18.4/23

Out: 2.981+/-7.883 χ^2/NDF:41.1/28

All: 8.162+/-5.650 χ^2/NDF: 60.4/52

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: 29.568+/-0.007 χ^2/NDF:30614.2/9

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.662+/-0.008 χ^2/NDF:41613.5/7

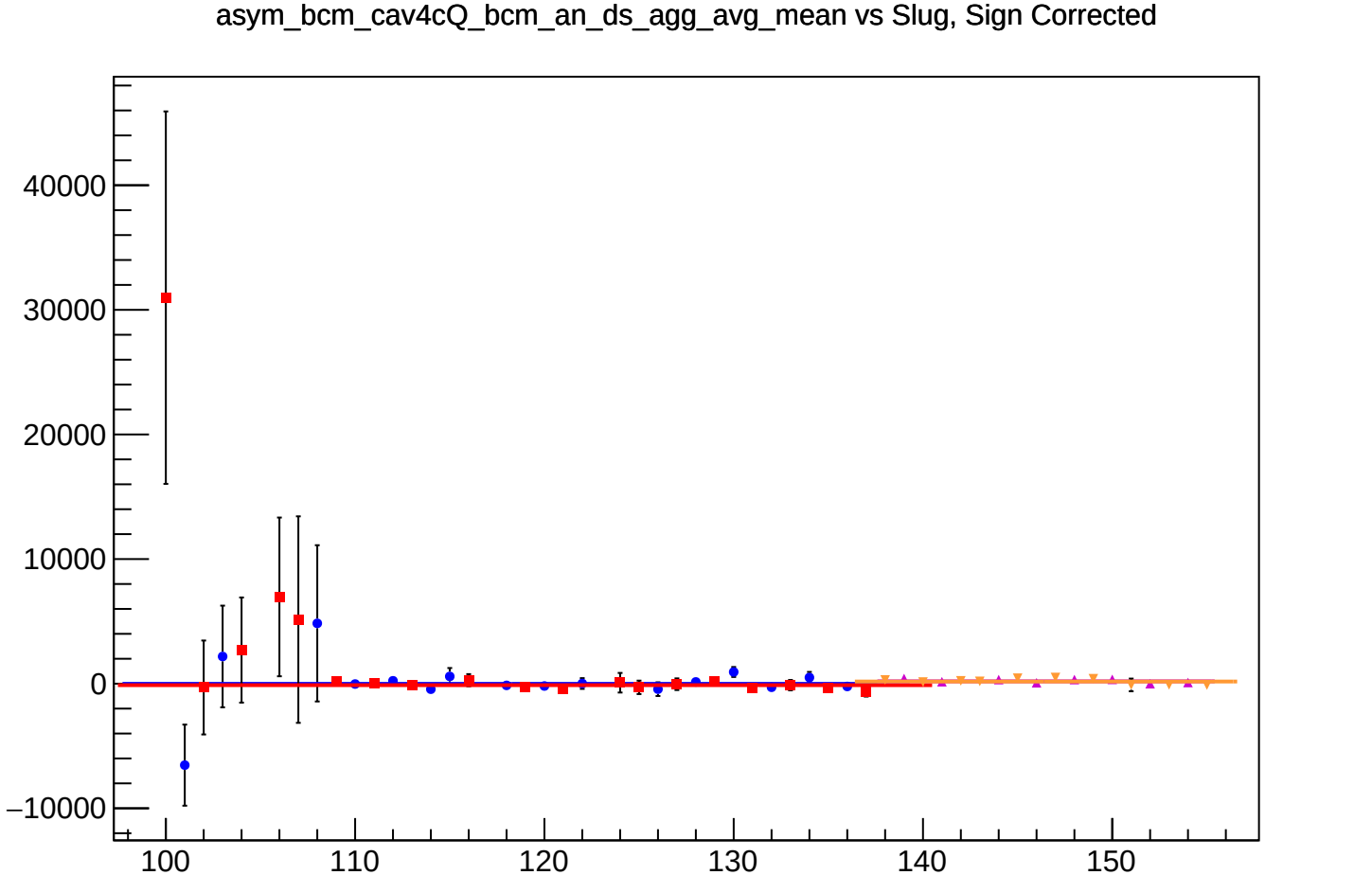
Left: 29.612+/-0.005 χ^2/NDF: 72300.7/17

Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.690+/-0.006 χ^2/NDF:3338145.4/23

Out: 28.662+/-0.006 χ^2/NDF:3618740.3/28

All: 28.676+/-0.004 χ^2/NDF: 6956898.6/52



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 173.034+/-90.820 χ^2/NDF:5.2/9

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 187.434+/-80.152 χ^2/NDF:3.2/7

Left: 181.129+/-60.095 χ^2/NDF: 8.4/17

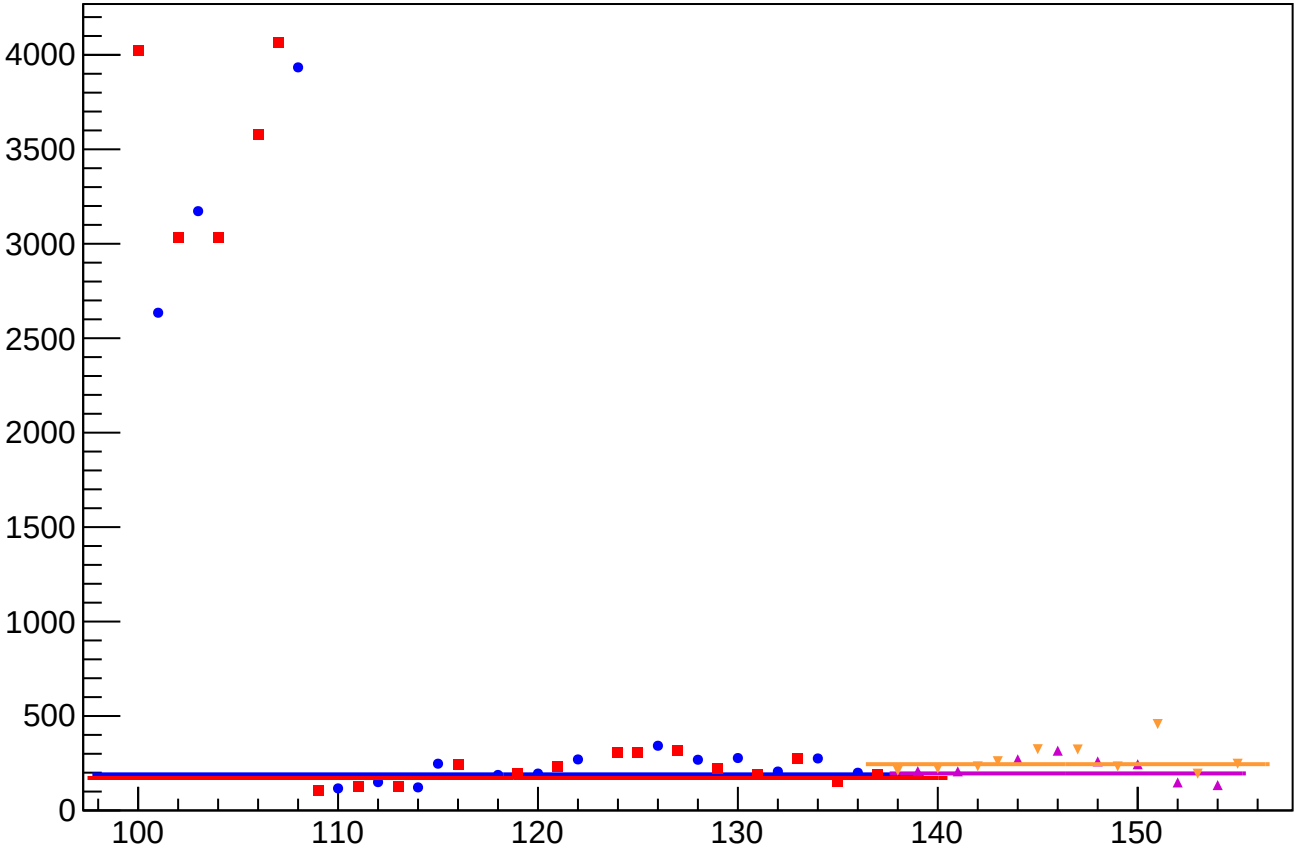
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 92.376+/-58.137 χ^2/NDF:24.5/23

Out: 5.255+/-59.112 χ^2/NDF:25.6/28

All: 49.540+/-41.450 χ^2/NDF: 51.2/52

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 244.979+/-0.064 χ^2/NDF:711317.4/9

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 196.057+/-0.057 χ^2/NDF:1022001.8/7

Left: 217.477+/-0.042 χ^2/NDF: 2059556.8/17

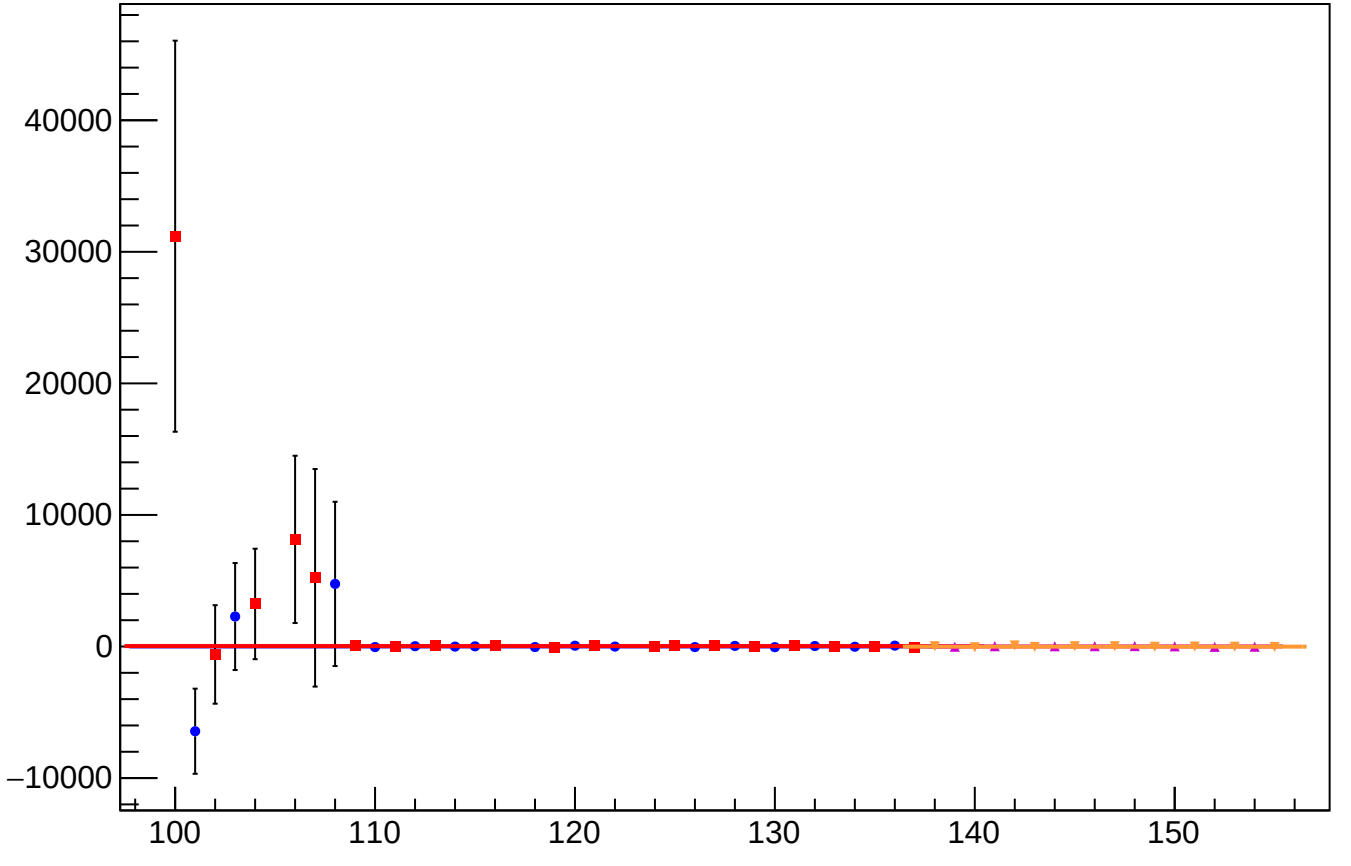
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 193.694+/-0.041 χ^2/NDF:4859623.7/23

Out: 202.821+/-0.042 χ^2/NDF:5773735.5/28

All: 198.182+/-0.029 χ^2/NDF: 10657598.8/52

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: -8.391+/-10.668 χ^2/NDF:10.1/9

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 7.483+/-11.307 χ^2/NDF:3.3/7

Left: -0.915+/-7.760 χ^2/NDF: 14.4/17

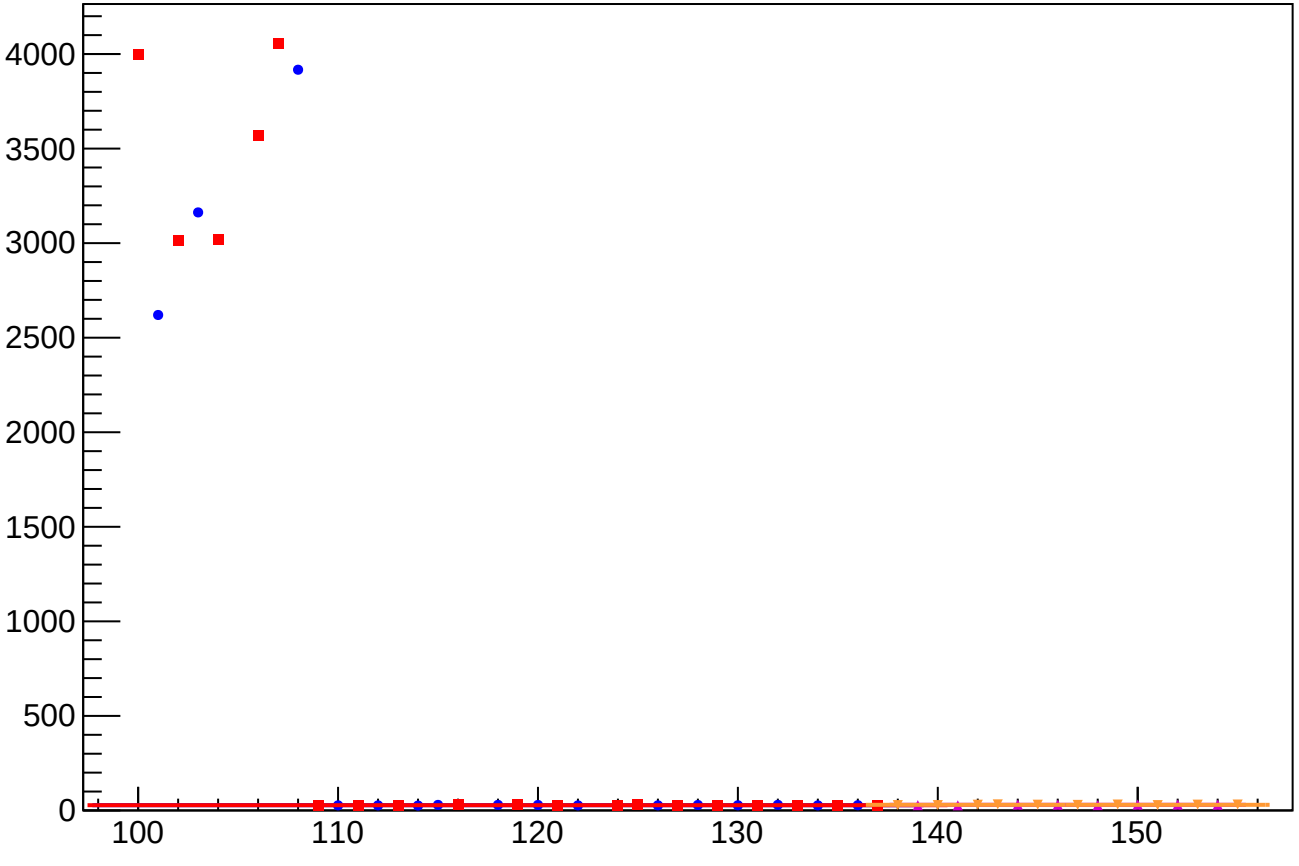
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 7.006+/-8.152 χ^2/NDF:21.6/23

Out: 9.142+/-7.944 χ^2/NDF:36.0/28

All: 8.102+/-5.689 χ^2/NDF: 57.6/52

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: 29.786+/-0.008 χ^2/NDF:33346.2/9

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.825+/-0.008 χ^2/NDF:42678.4/7

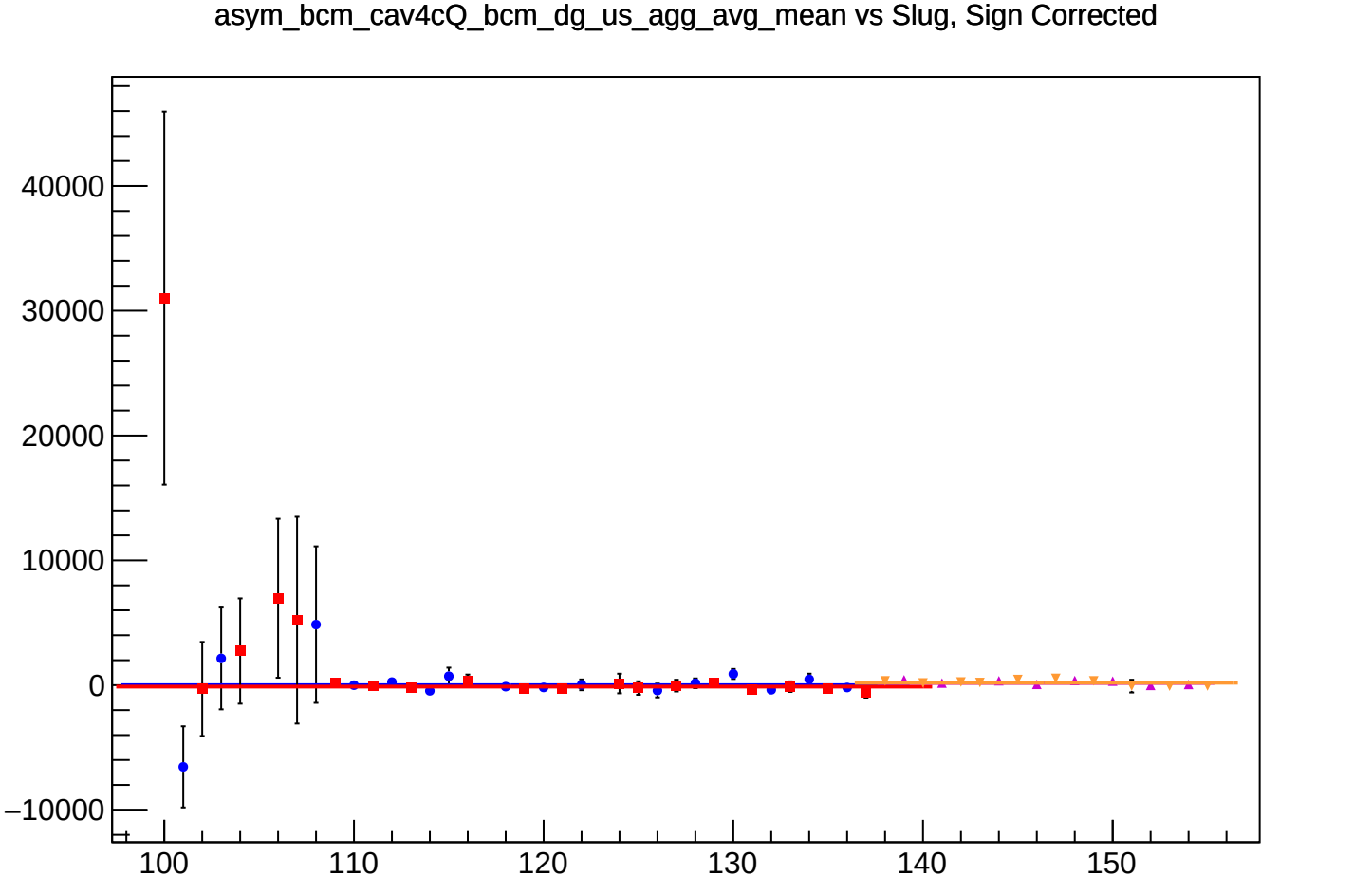
Left: 29.804+/-0.005 χ^2/NDF: 76037.1/17

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.864+/-0.006 χ^2/NDF:3338623.6/23

Out: 28.881+/-0.006 χ^2/NDF:3624367.8/28

All: 28.873+/-0.004 χ^2/NDF: 6962995.3/52



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 193.227+/-91.801 χ^2/NDF:4.7/9

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 181.317+/-81.182 χ^2/NDF:3.9/7

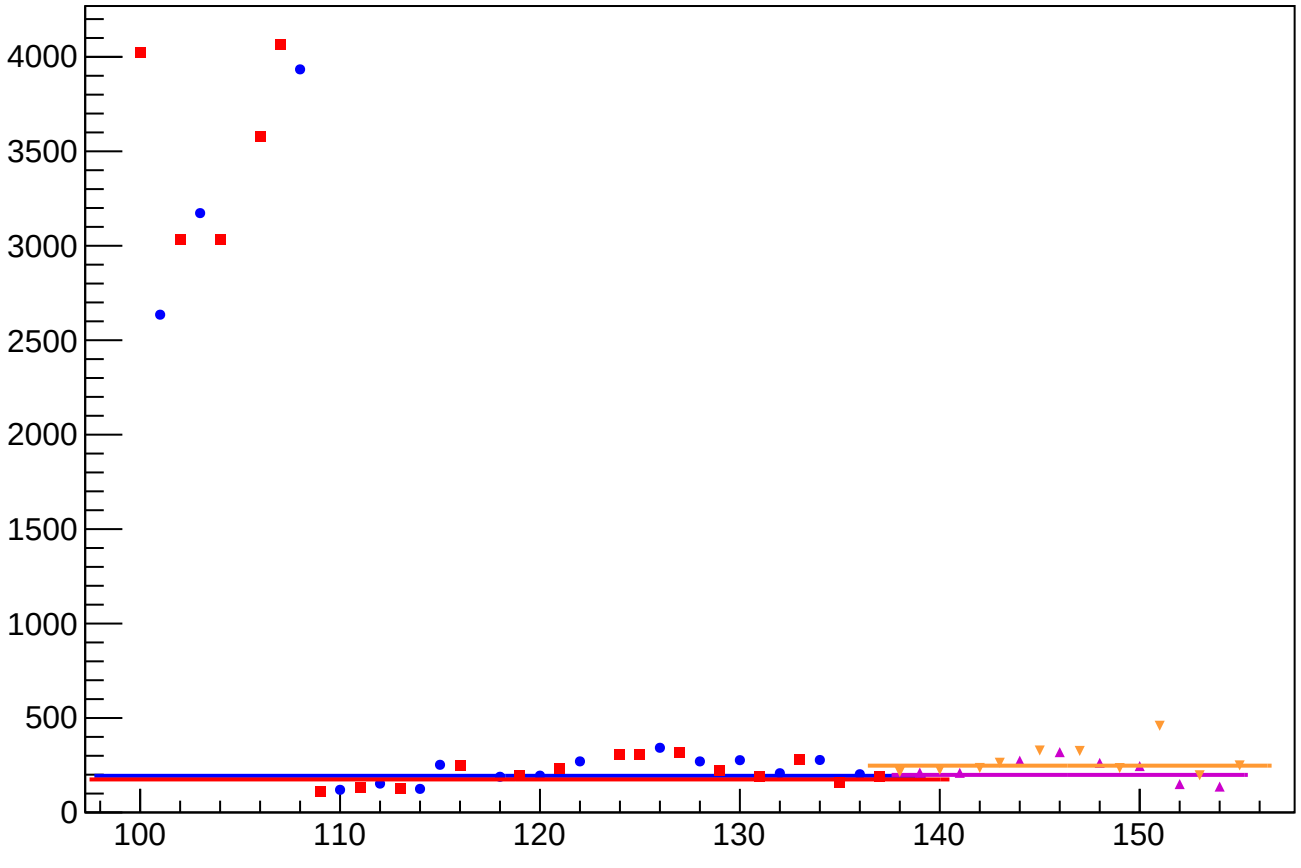
Left: 186.544+/-60.814 χ^2/NDF: 8.6/17

Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 94.036+/-58.874 χ^2/NDF:24.6/23

Out: 15.618+/-59.859 χ^2/NDF:25.0/28

All: 55.478+/-41.974 χ^2/NDF: 50.5/52



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 247.761+/-0.065 χ^2/NDF:700669.8/9

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 198.855+/-0.057 χ^2/NDF:1000116.2/7

Left: 220.317+/-0.043 χ^2/NDF: 2019303.3/17

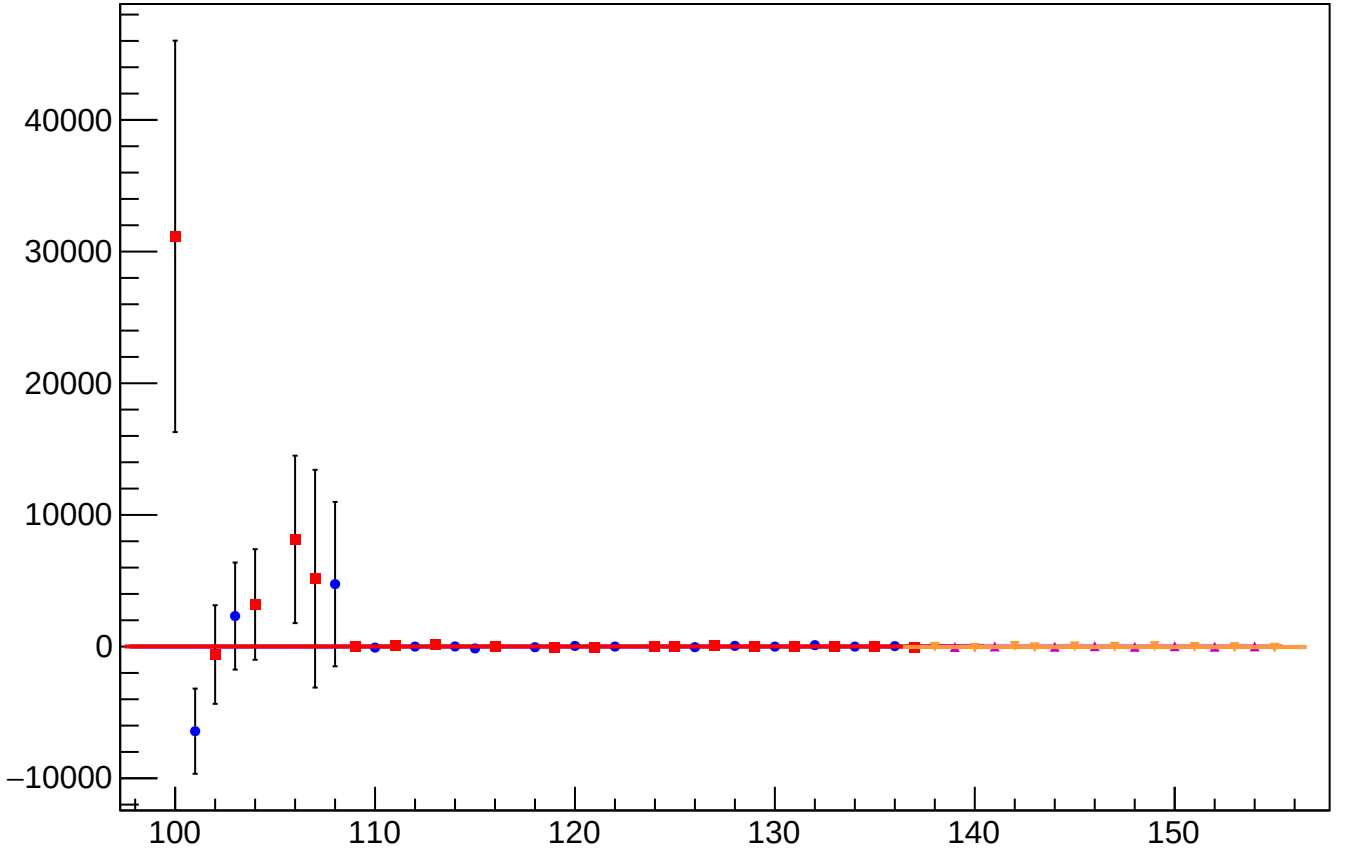
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 196.528+/-0.042 χ^2/NDF:4788050.5/23

Out: 205.809+/-0.042 χ^2/NDF:5686587.6/28

All: 201.092+/-0.030 χ^2/NDF: 10499077.8/52

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: -34.379+/-12.534 χ^2/NDF:12.5/9

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 5.681+/-13.310 χ^2/NDF:2.6/7

Left: -15.552+/-9.125 χ^2/NDF: 19.9/17

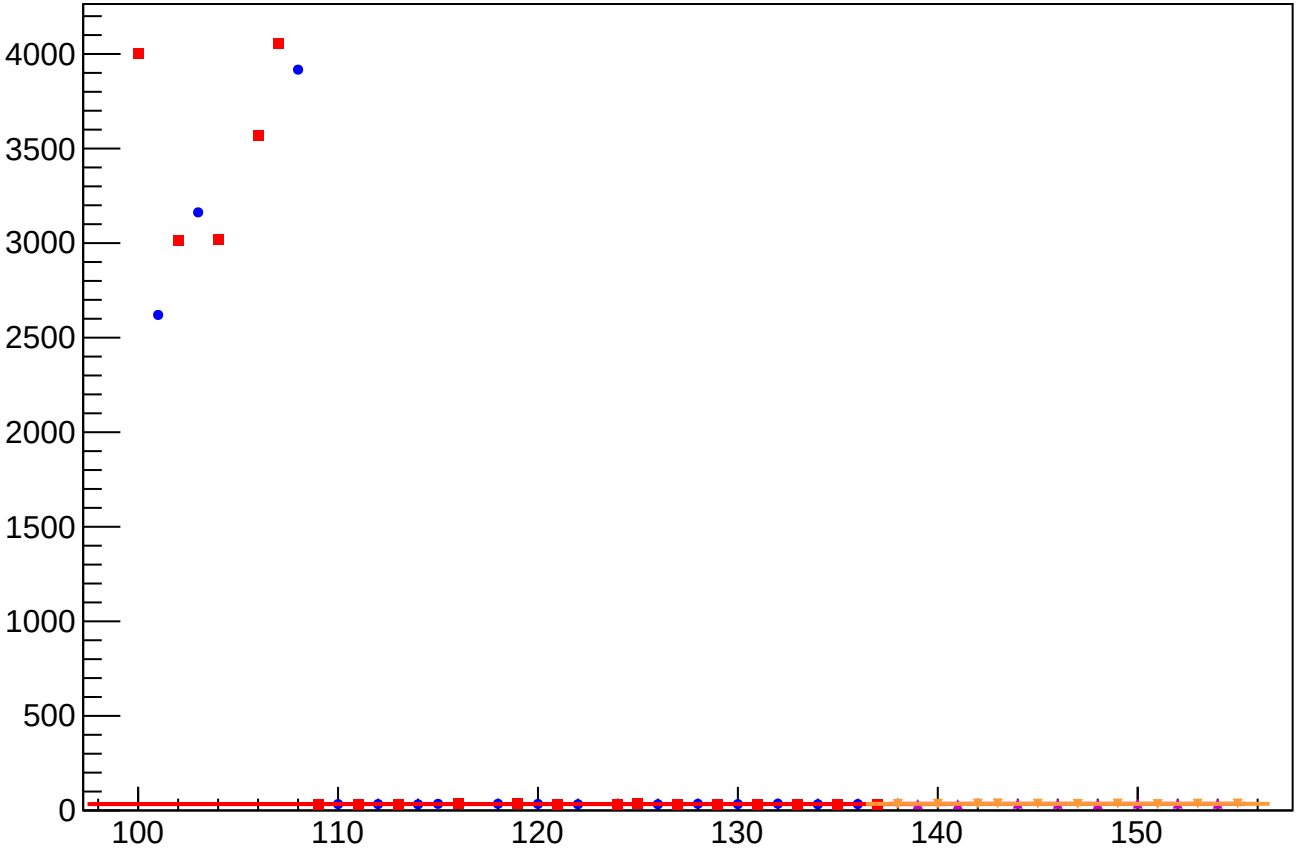
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 5.671+/-9.745 χ^2/NDF:20.1/23

Out: -15.298+/-9.463 χ^2/NDF:41.3/28

All: -5.120+/-6.789 χ^2/NDF: 63.8/52

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 35.053+/-0.009 χ^2/NDF:14938.3/9

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 35.188+/-0.009 χ^2/NDF:14810.1/7

Left: 35.116+/-0.006 χ^2/NDF: 29857.5/17

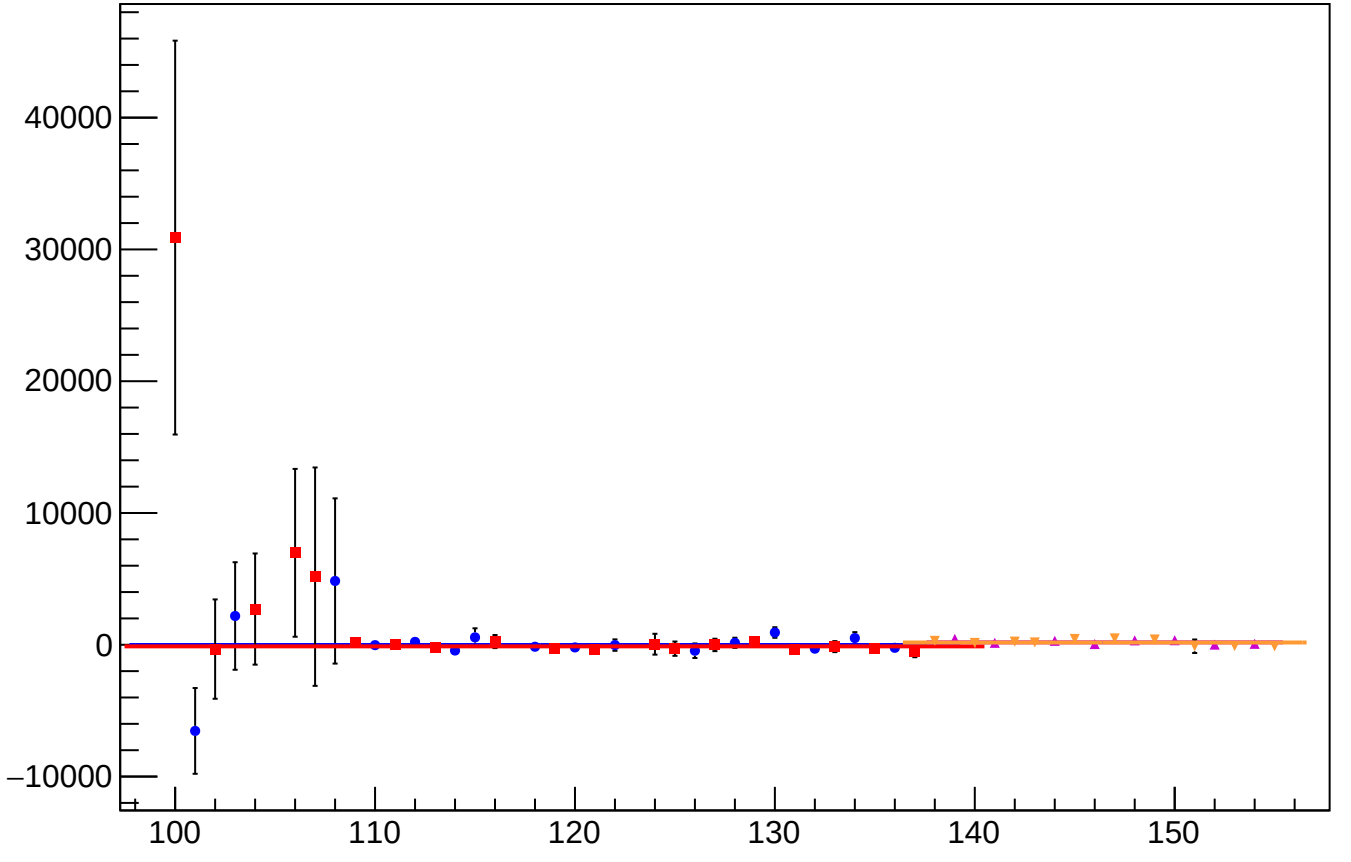
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.590+/-0.007 χ^2/NDF:3267890.5/23

Out: 34.483+/-0.007 χ^2/NDF:3551039.3/28

All: 34.535+/-0.005 χ^2/NDF: 6819055.3/52

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: 172.295+/-91.343 χ^2/NDF:5.2/9

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 184.340+/-80.837 χ^2/NDF:3.5/7

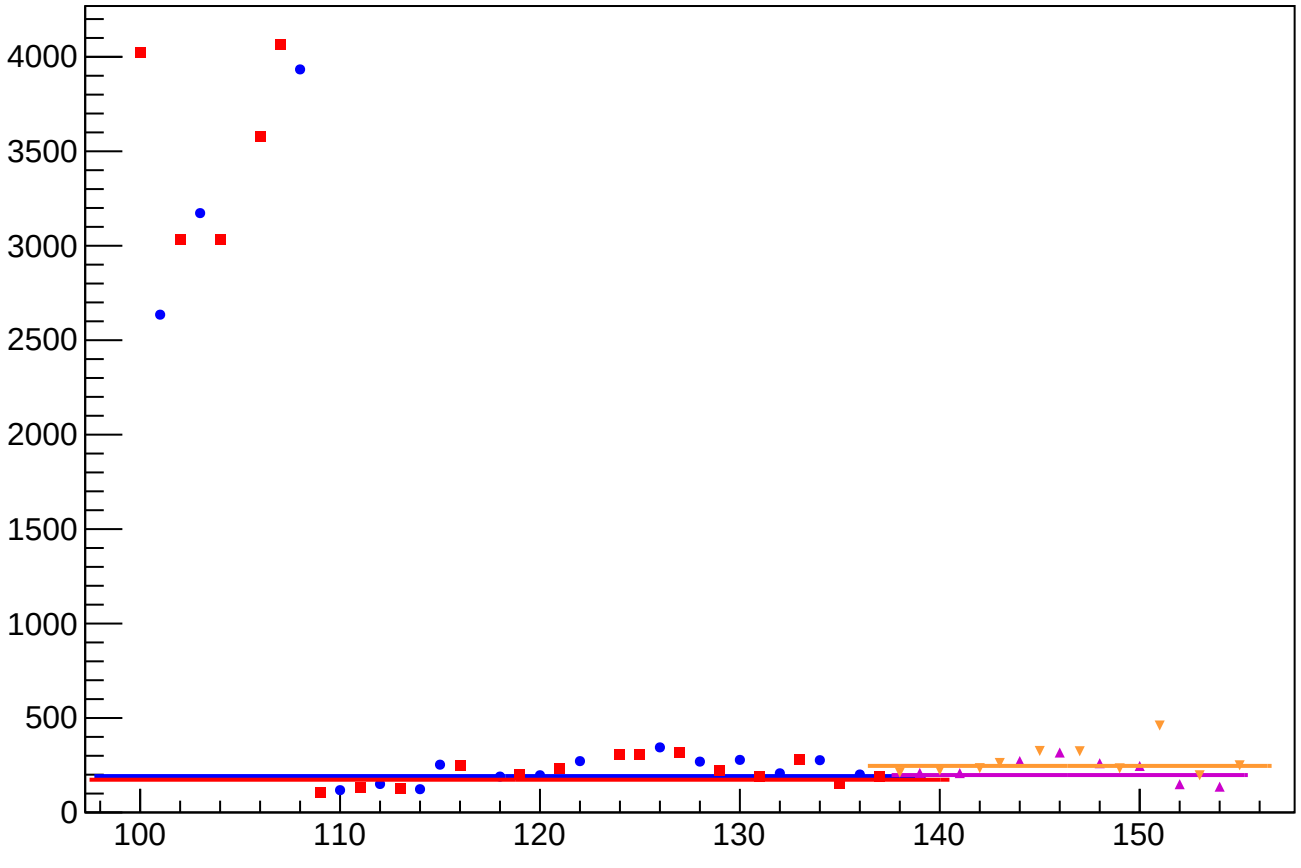
Left: 179.049+/-60.536 χ^2/NDF: 8.7/17

Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 87.598+/-58.597 χ^2/NDF:24.7/23

Out: 4.133+/-59.516 χ^2/NDF:24.4/28

All: 46.515+/-41.756 χ^2/NDF: 50.1/52



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 246.455+/-0.065 χ^2/NDF:706329.6/9

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 197.990+/-0.057 χ^2/NDF:993985.4/7

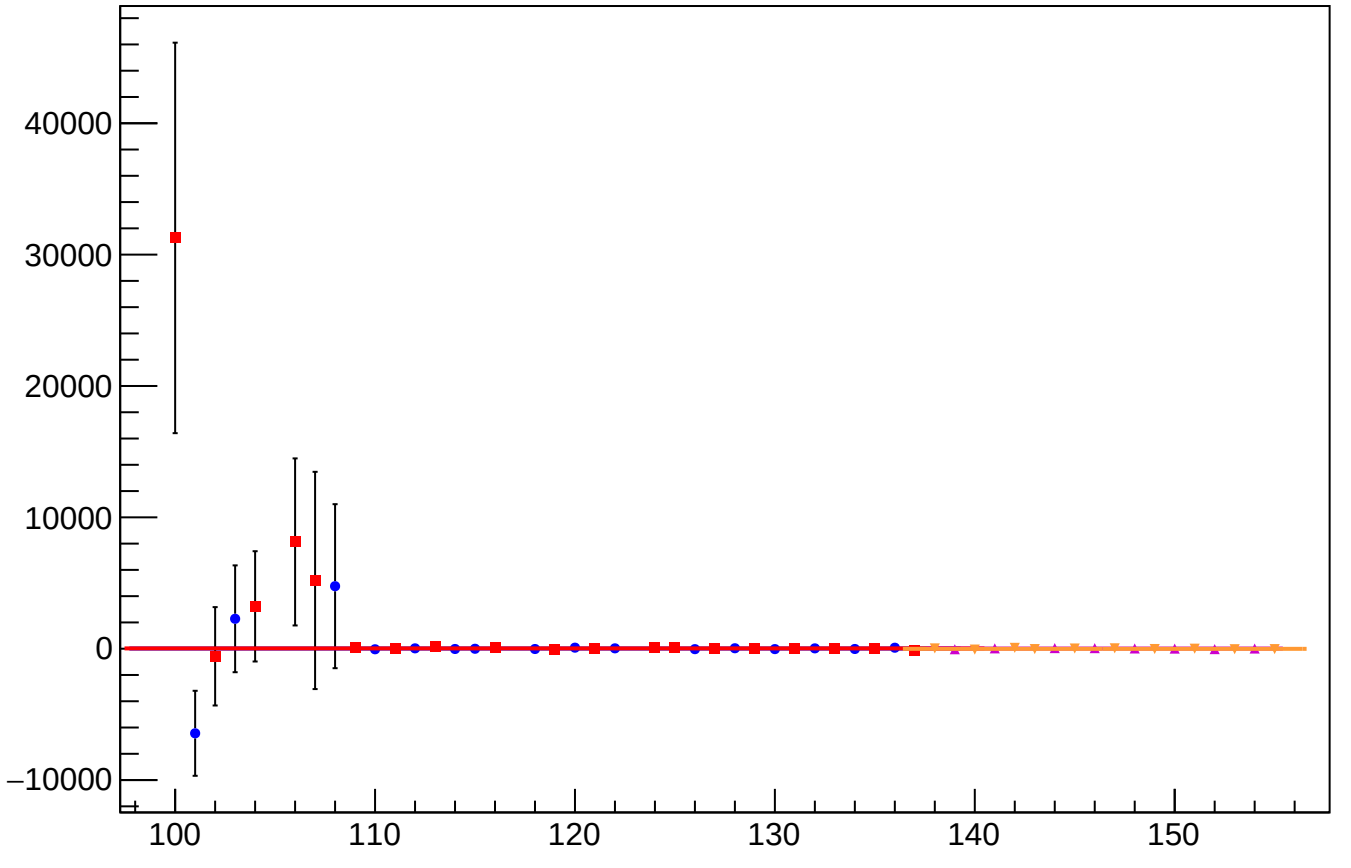
Left: 219.276+/-0.043 χ^2/NDF: 2016056.4/17

Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 195.413+/-0.041 χ^2/NDF:4821056.5/23

Out: 204.327+/-0.042 χ^2/NDF:5752993.7/28

All: 199.801+/-0.030 χ^2/NDF: 10596830.8/52



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -10.194+/-11.481 χ^2/NDF:9.2/9

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 11.489+/-12.188 χ^2/NDF:5.9/7

Left: 0.000+/-8.357 χ^2/NDF: 16.8/17

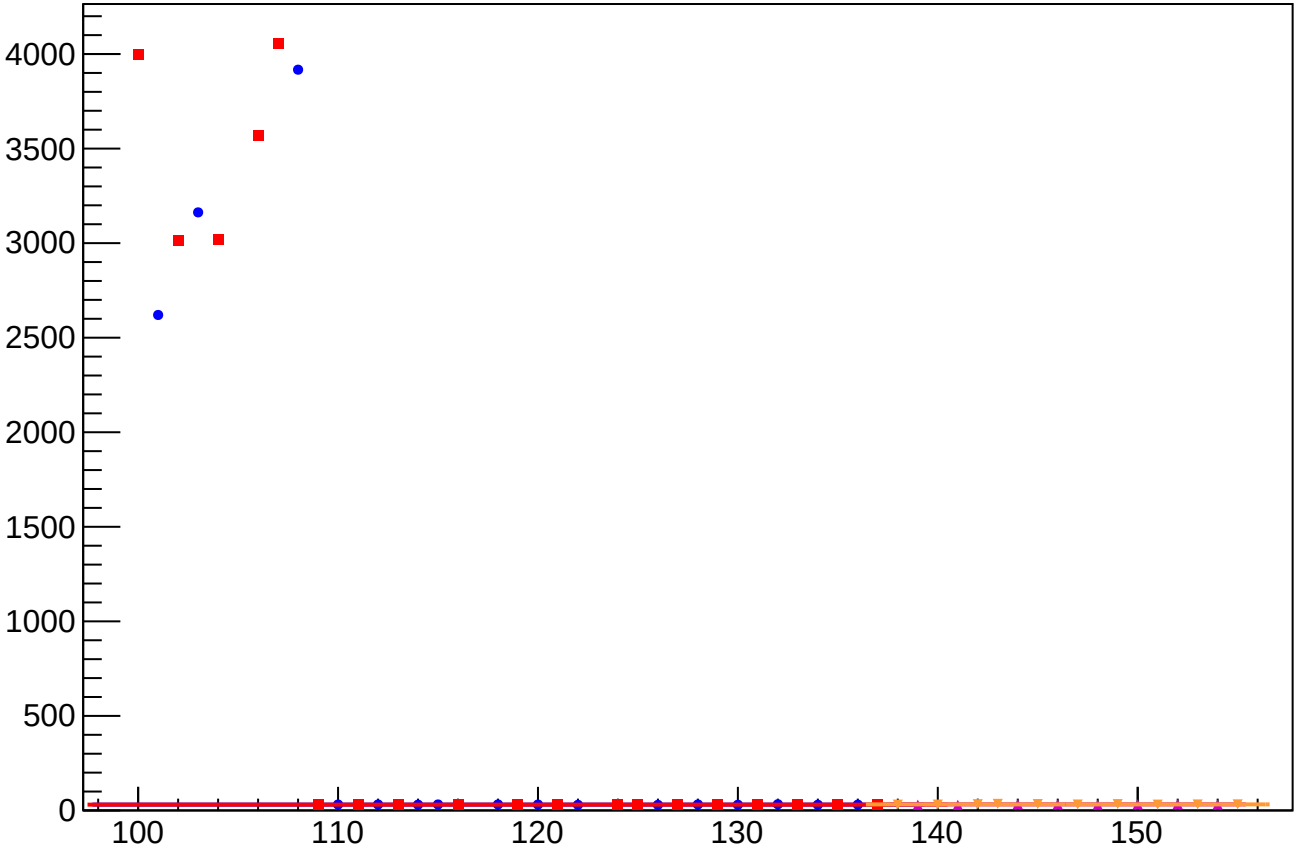
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 12.524+/-8.911 χ^2/NDF:21.3/23

Out: 4.225+/-8.657 χ^2/NDF:41.6/28

All: 8.255+/-6.210 χ^2/NDF: 63.4/52

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: 32.077+/-0.008 χ^2/NDF:25322.4/9

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 32.166+/-0.009 χ^2/NDF:28232.0/7

Left: 32.119+/-0.006 χ^2/NDF: 53611.5/17

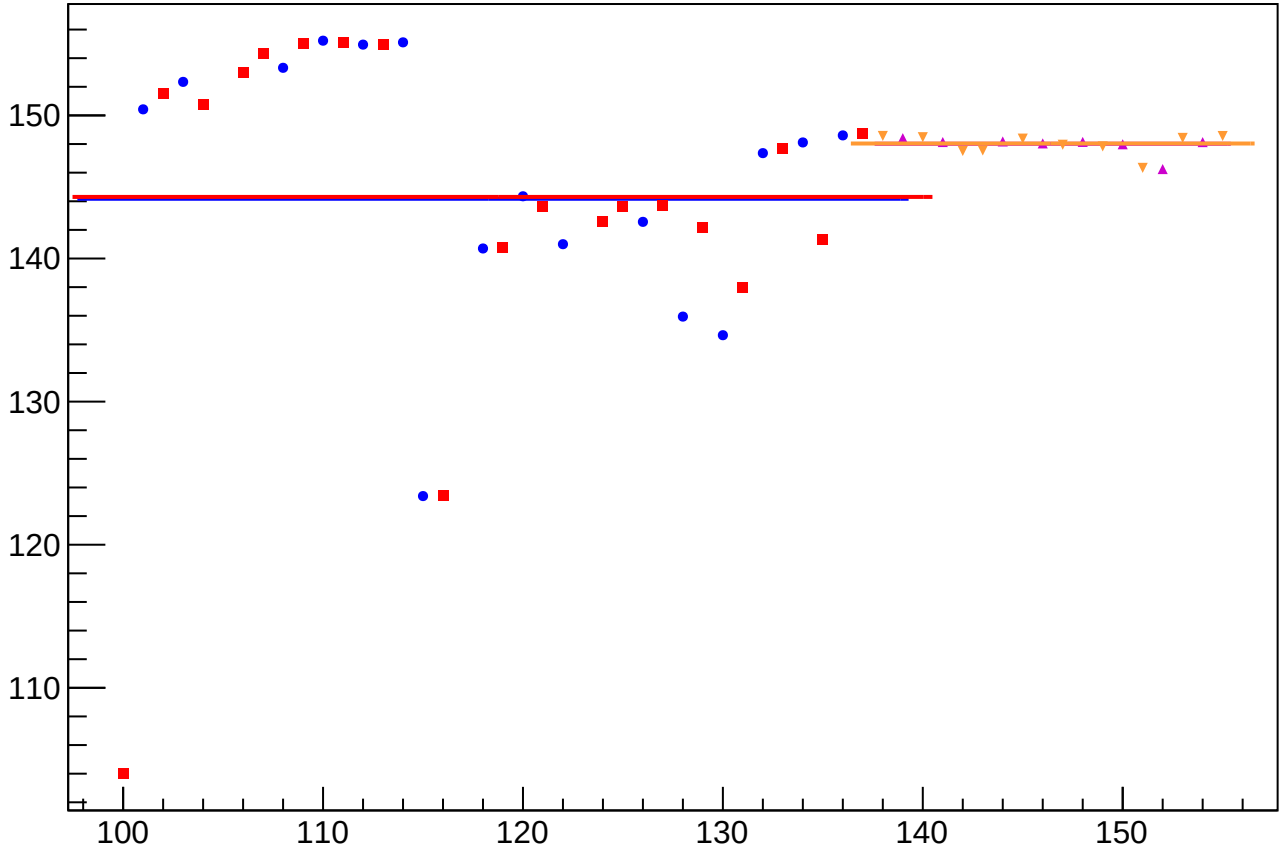
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.590+/-0.006 χ^2/NDF:3290442.1/23

Out: 31.516+/-0.006 χ^2/NDF:3572616.2/28

All: 31.552+/-0.004 χ^2/NDF: 6863129.4/52

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.037+/-0.000 χ^2/NDF:20164714.6/9

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.018+/-0.000 χ^2/NDF:13818294.9/7

Left: 148.028+/-0.000 χ^2/NDF: 33992253.3/17

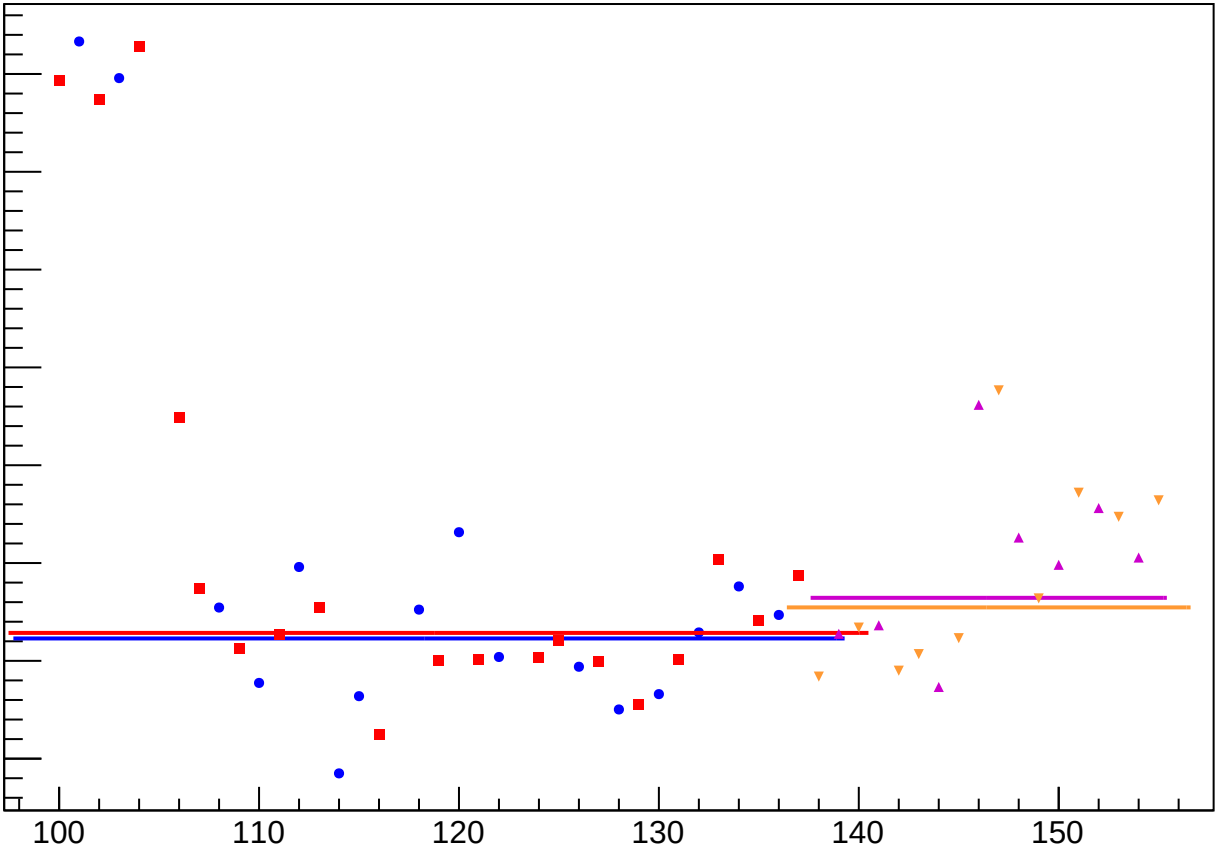
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.936+/-0.000 χ^2/NDF:4124408473.1/23

Out: 146.175+/-0.000 χ^2/NDF:4678766448.8/28

All: 146.060+/-0.000 χ^2/NDF: 8806279882.4

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.355+/-0.000 χ^2/NDF:674825.5/9

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.364+/-0.000 χ^2/NDF:560585.9/7

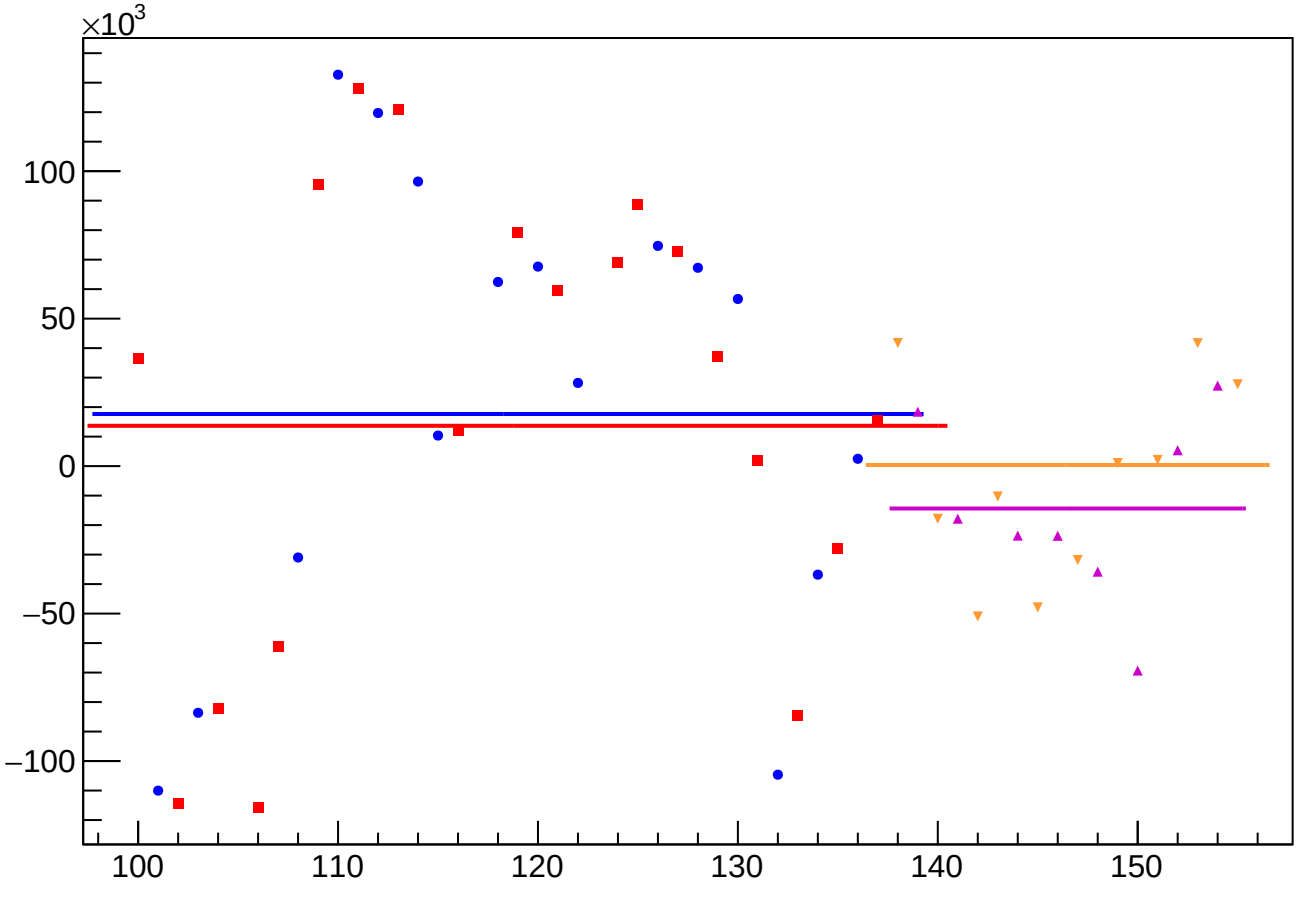
Left: 0.359+/-0.000 χ^2/NDF: 1240411.3/17

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.342+/-0.000 χ^2/NDF:2046861.7/23

Out: 0.342+/-0.000 χ^2/NDF:2017445.8/28

All: 0.342+/-0.000 χ^2/NDF: 4064316.6/52



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 385.722+/-1.785 χ^2/NDF:312375198.4/9

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -14374.018+/-1.910 χ^2/NDF:261719224.9/7

Left: -6493.181+/-1.304 χ^2/NDF: 605973834.3/17

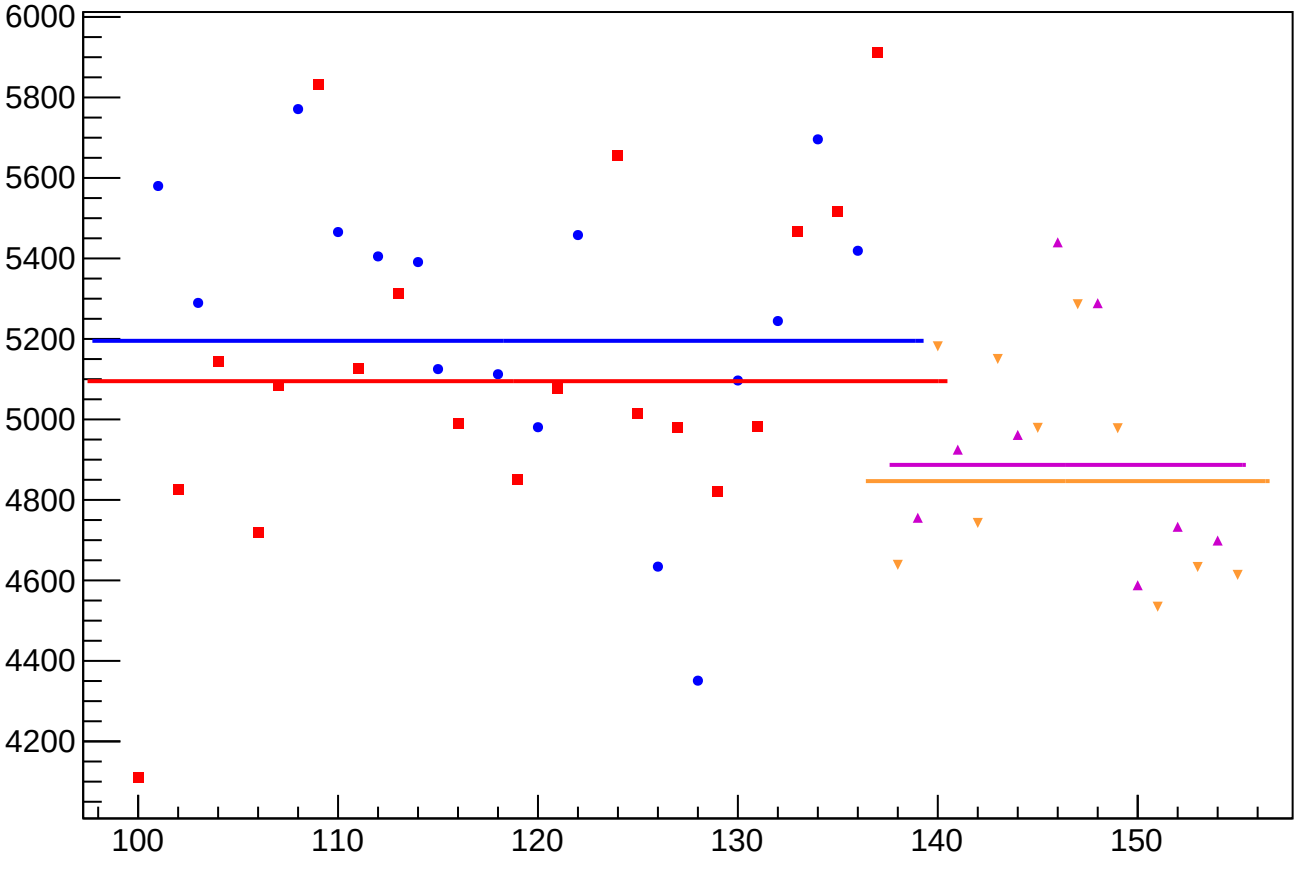
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 865.101+/-1.383 χ^2/NDF:1794265865.4/23

Out: 6524.426+/-1.309 χ^2/NDF:2194936090.7/28

All: 3851.206+/-0.951 χ^2/NDF: 3998035118.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4846.710+/-1.262 χ^2/NDF:42968.7/9

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4887.029+/-1.351 χ^2/NDF:39022.7/7

Left: 4865.501+/-0.922 χ^2/NDF: 82467.1/17

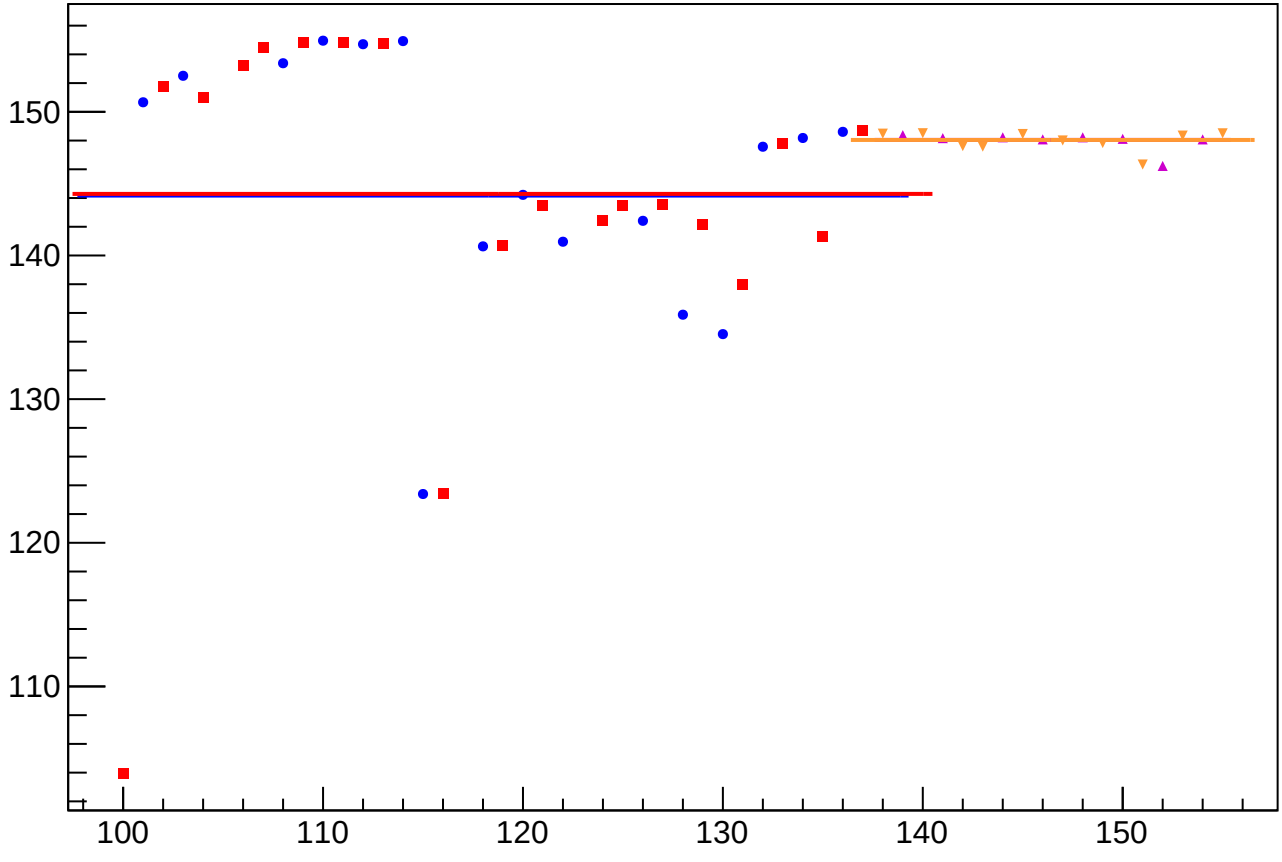
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 5033.661+/-0.978 χ^2/NDF:140965.5/23

Out: 4961.499+/-0.925 χ^2/NDF:119982.1/28

All: 4995.585+/-0.672 χ^2/NDF: 263819.9/52

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 148.043+/-0.000 χ^2/NDF:19102189.6/9

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 148.044+/-0.000 χ^2/NDF:14425840.6/7

Left: 148.043+/-0.000 χ^2/NDF: 33528111.0/17

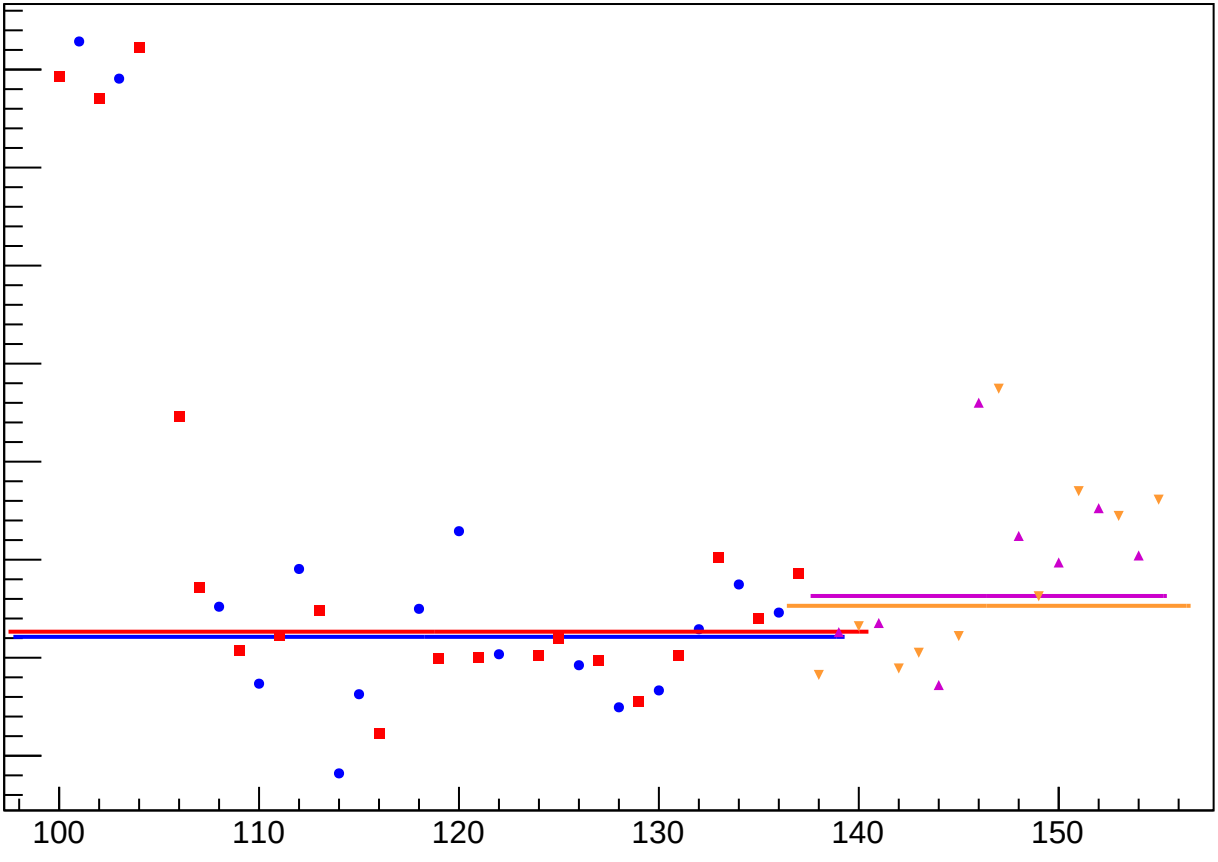
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.944+/-0.000 χ^2/NDF:4174806907.4/23

Out: 146.166+/-0.000 χ^2/NDF:4712810546.3/28

All: 146.059+/-0.000 χ^2/NDF: 8890350105.8

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.353+/-0.000 χ^2/NDF:674721.2/9

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.363+/-0.000 χ^2/NDF:559961.7/7

Left: 0.358+/-0.000 χ^2/NDF: 1239982.1/17

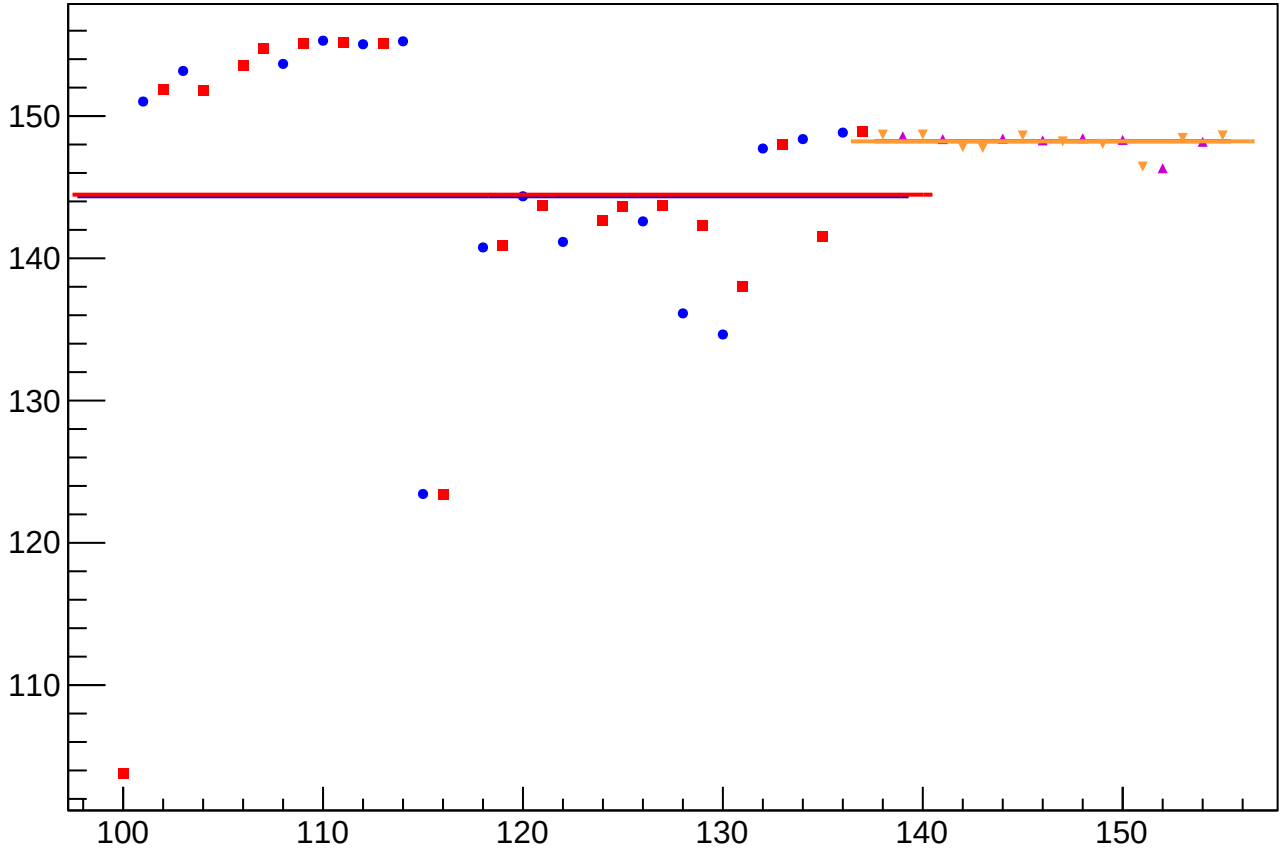
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.340+/-0.000 χ^2/NDF:2047947.8/23

Out: 0.340+/-0.000 χ^2/NDF:2017304.9/28

All: 0.340+/-0.000 χ^2/NDF: 4065292.7/52

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.224+/-0.000 χ^2/NDF:19529949.9/9

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 148.231+/-0.000 χ^2/NDF:15746359.0/7

Left: 148.227+/-0.000 χ^2/NDF: 35277854.9/17

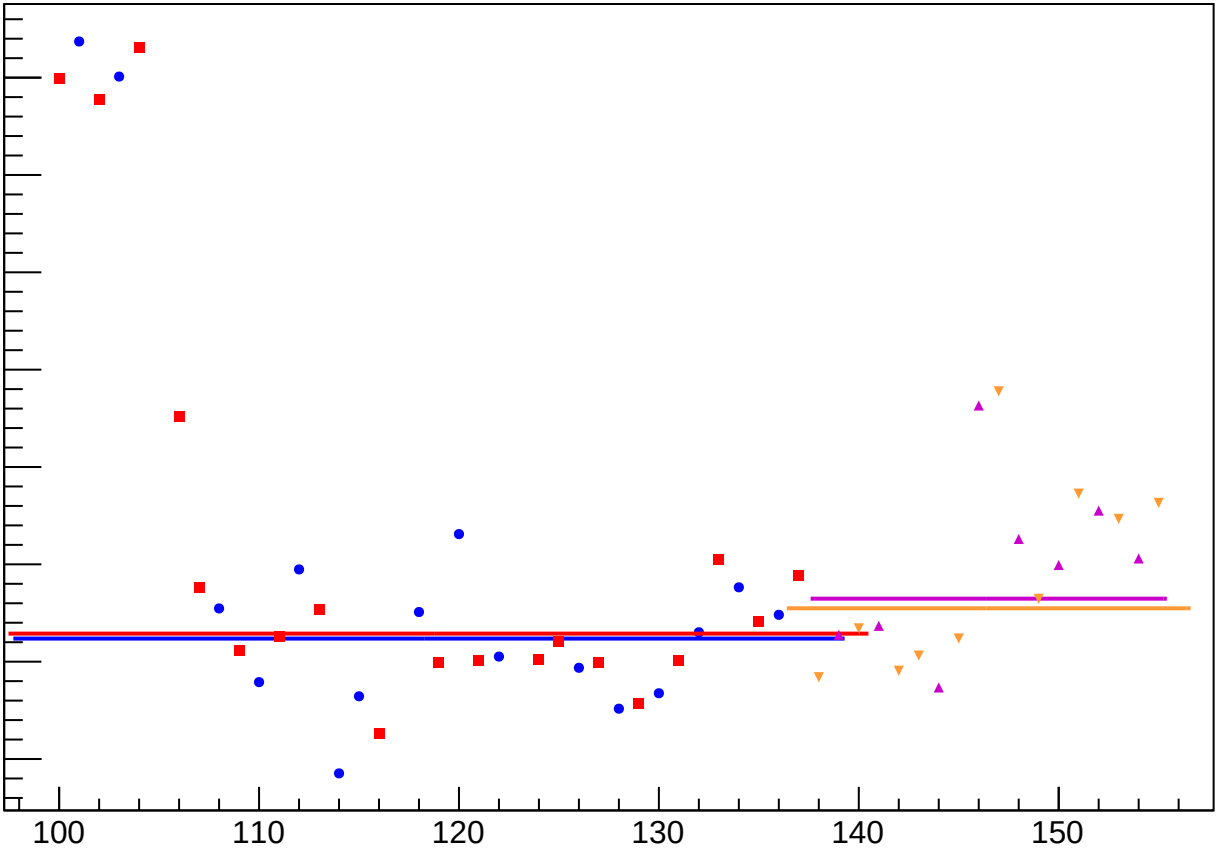
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.136+/-0.000 χ^2/NDF:4164805472.6/23

Out: 146.354+/-0.000 χ^2/NDF:4698617527.3/28

All: 146.249+/-0.000 χ^2/NDF: 8865997402.5

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.355+/-0.000 χ^2/NDF:674318.0/9

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.365+/-0.000 χ^2/NDF:560462.2/7

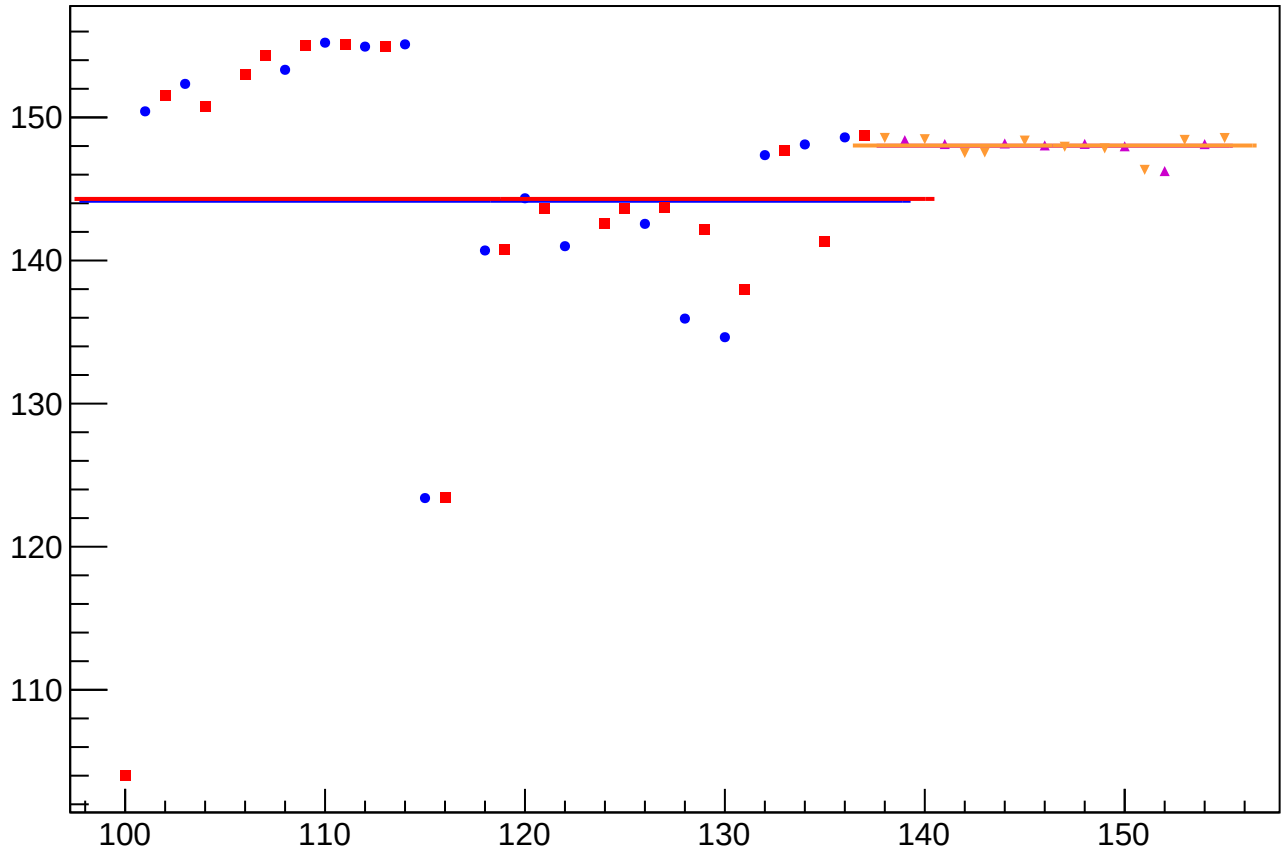
Left: 0.359+/-0.000 χ^2/NDF: 1239881.9/17

Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.343+/-0.000 χ^2/NDF:2040546.6/23

Out: 0.342+/-0.000 χ^2/NDF:2015781.4/28

All: 0.342+/-0.000 χ^2/NDF: 4056377.0/52



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.037+/-0.000 χ^2/NDF:20164714.6/9

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.018+/-0.000 χ^2/NDF:13818294.9/7

Left: 148.028+/-0.000 χ^2/NDF: 33992253.3/17

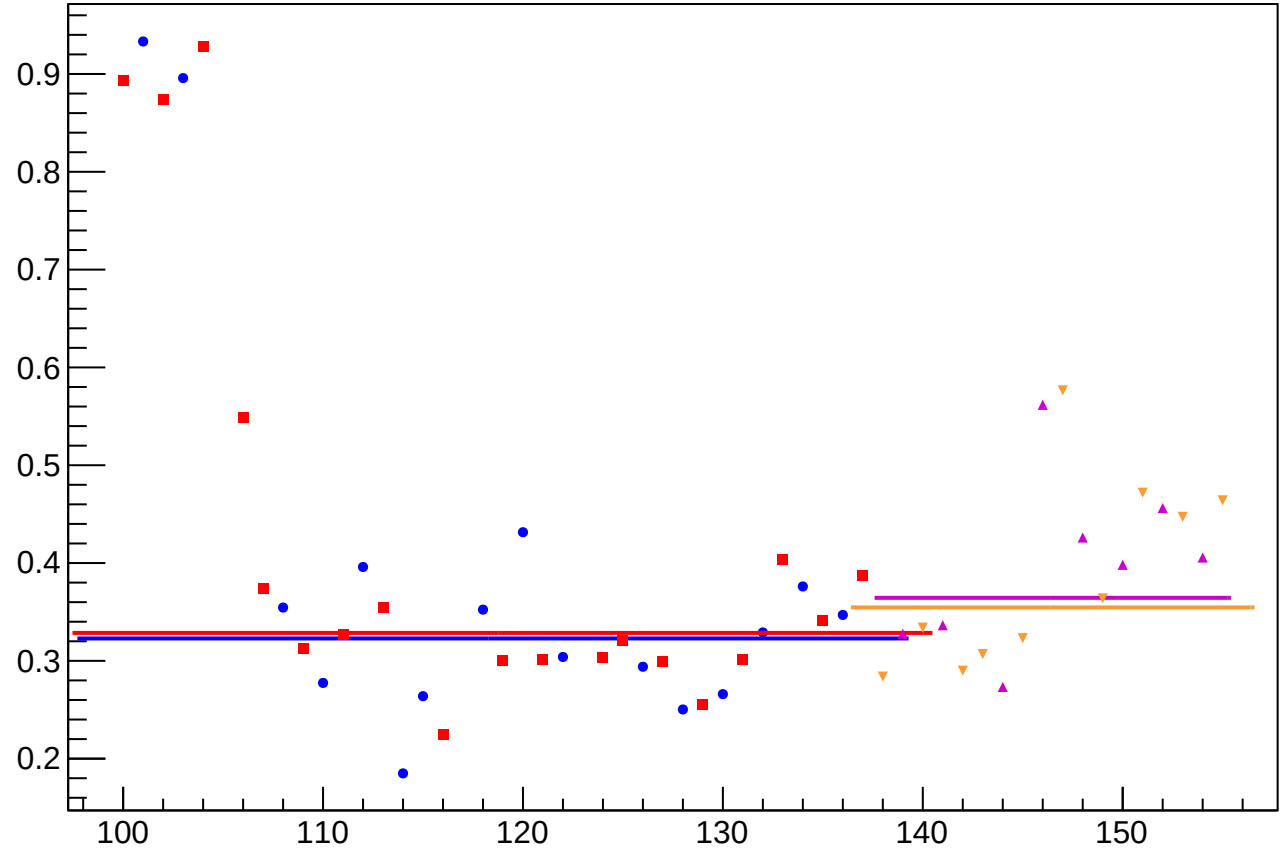
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.936+/-0.000 χ^2/NDF:4124408473.1/23

Out: 146.175+/-0.000 χ^2/NDF:4678766448.8/28

All: 146.060+/-0.000 χ^2/NDF: 8806279882.4

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.355+/-0.000 χ^2/NDF:674825.5/9

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.364+/-0.000 χ^2/NDF:560585.9/7

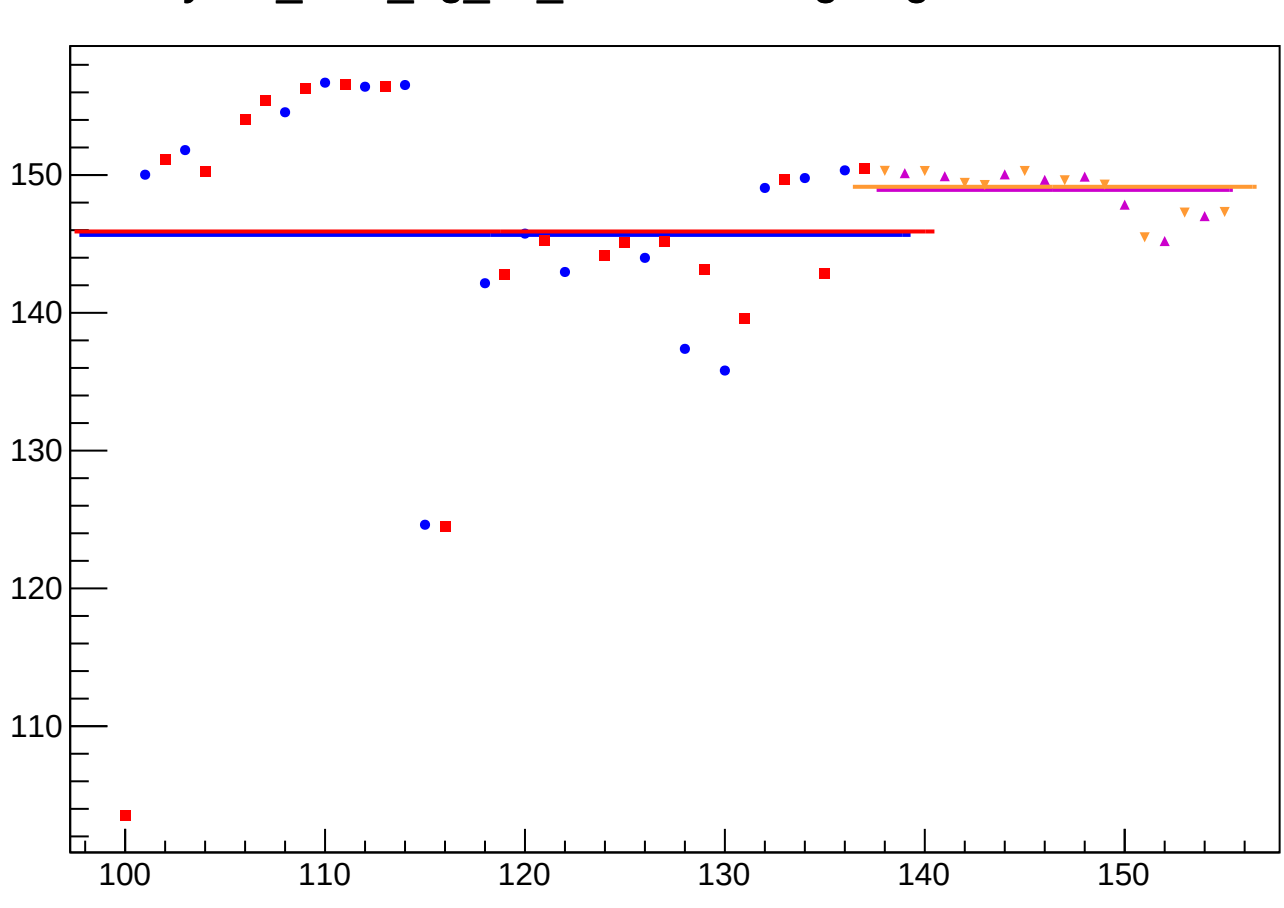
Left: 0.359+/-0.000 χ^2/NDF: 1240411.3/17

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.342+/-0.000 χ^2/NDF:2046861.7/23

Out: 0.342+/-0.000 χ^2/NDF:2017445.8/28

All: 0.342+/-0.000 χ^2/NDF: 4064316.6/52



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.148+/-0.000 χ^2/NDF:101468141.4/9

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 148.924+/-0.000 χ^2/NDF:112964669.8/7

Left: 149.044+/-0.000 χ^2/NDF: 215605559.1/17

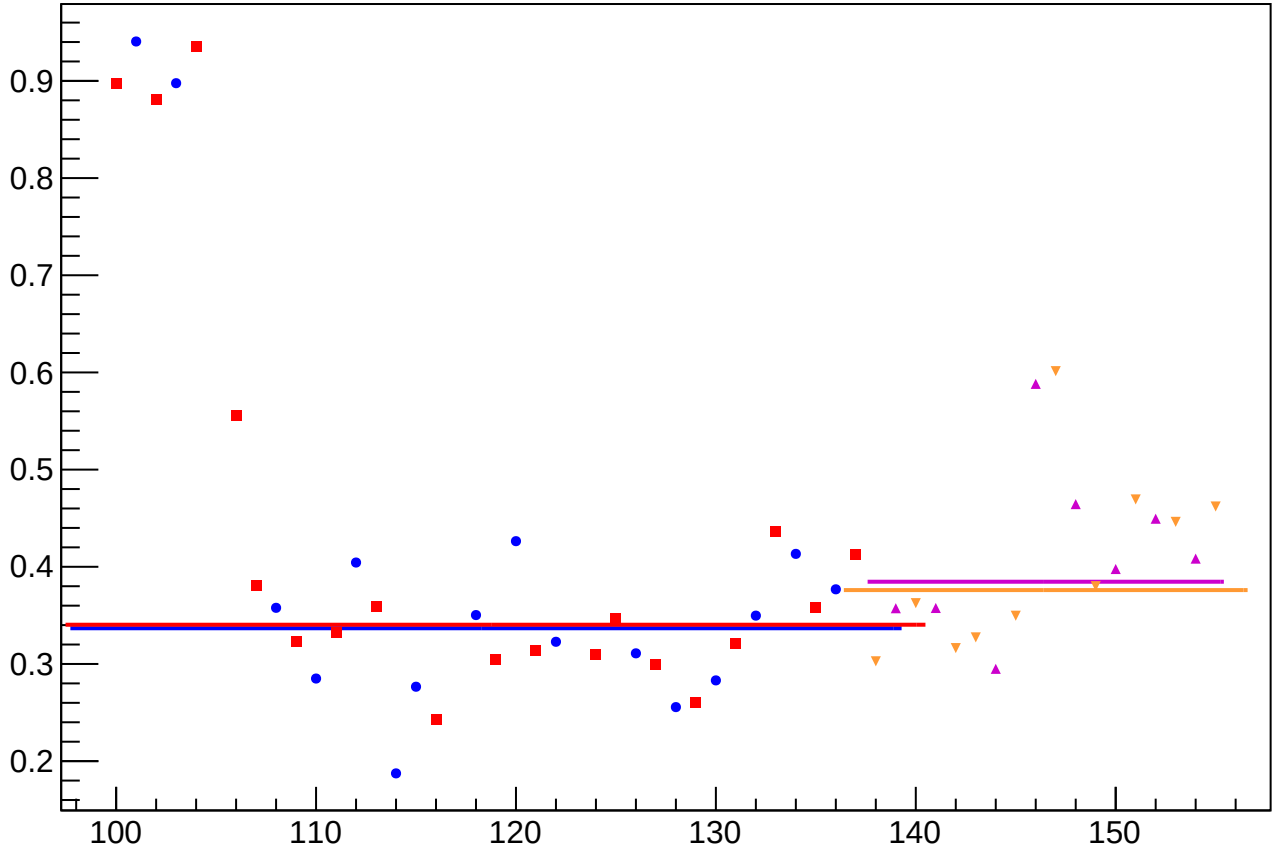
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 147.140+/-0.000 χ^2/NDF:3848642406.2/23

Out: 147.496+/-0.000 χ^2/NDF:4235843532.3/28

All: 147.324+/-0.000 χ^2/NDF: 8090774292.2

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.376+/-0.000 χ^2/NDF:532369.8/9

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.385+/-0.000 χ^2/NDF:466315.6/7

Left: 0.380+/-0.000 χ^2/NDF: 1002149.7/17

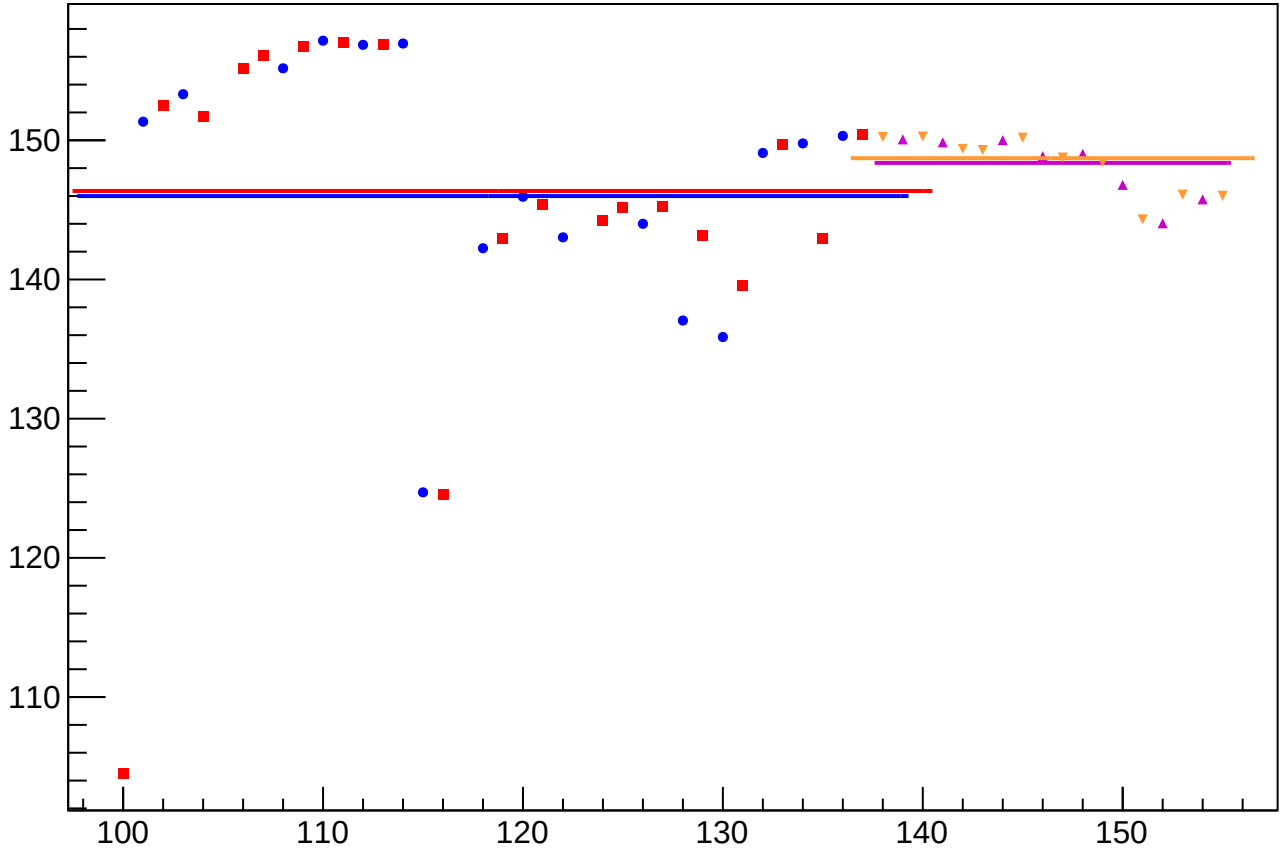
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.358+/-0.000 χ^2/NDF:1946001.4/23

Out: 0.358+/-0.000 χ^2/NDF:1872637.7/28

All: 0.358+/-0.000 χ^2/NDF: 3818676.4/52

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 148.714+/-0.000 χ^2/NDF:174173383.6/9

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 148.376+/-0.000 χ^2/NDF:183704662.0/7

Left: 148.559+/-0.000 χ^2/NDF: 360537091.5/17

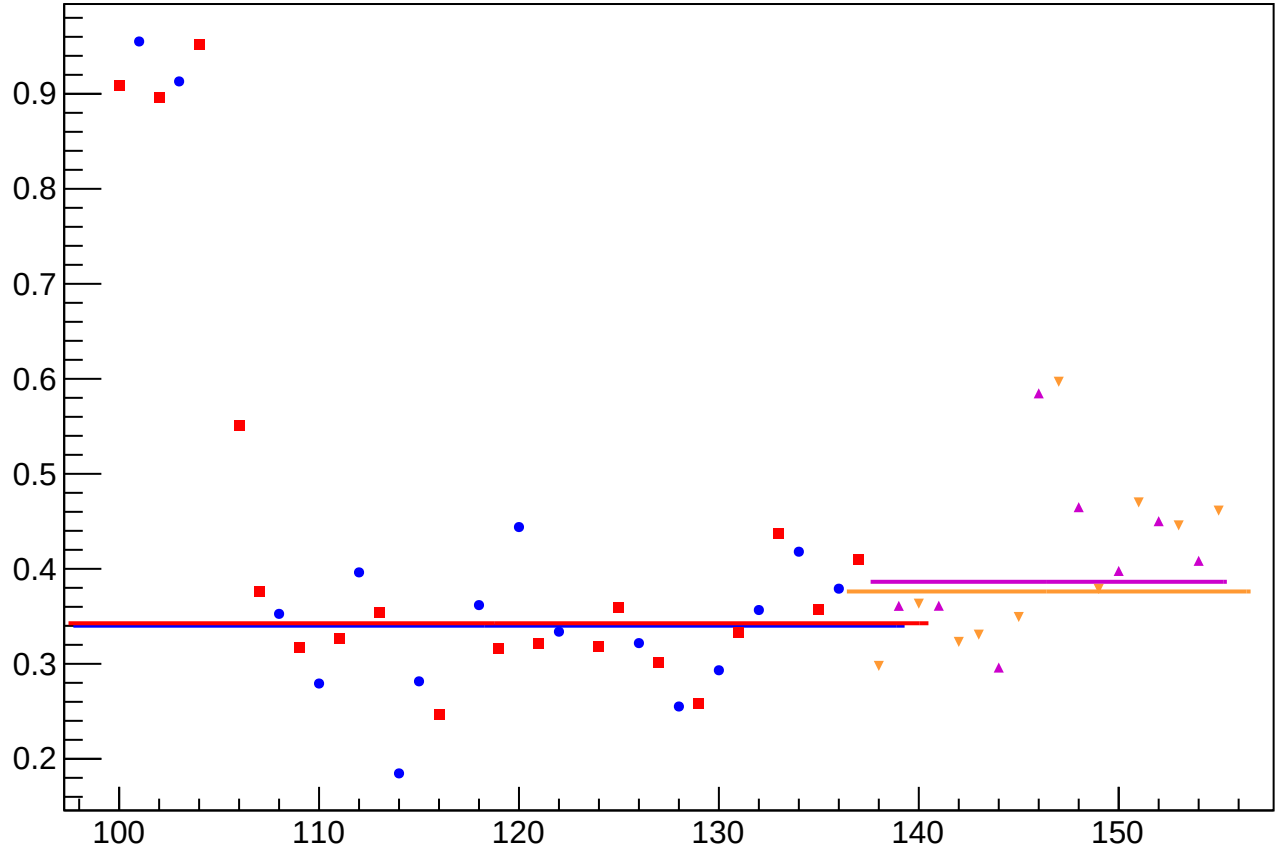
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 147.083+/-0.000 χ^2/NDF:3938444909.8/23

Out: 147.522+/-0.000 χ^2/NDF:4279126937.6/28

All: 147.311+/-0.000 χ^2/NDF: 8227044149.5

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.376+/-0.000 χ^2/NDF:528034.5/9

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.386+/-0.000 χ^2/NDF:451074.6/7

Left: 0.381+/-0.000 χ^2/NDF: 983949.6/17

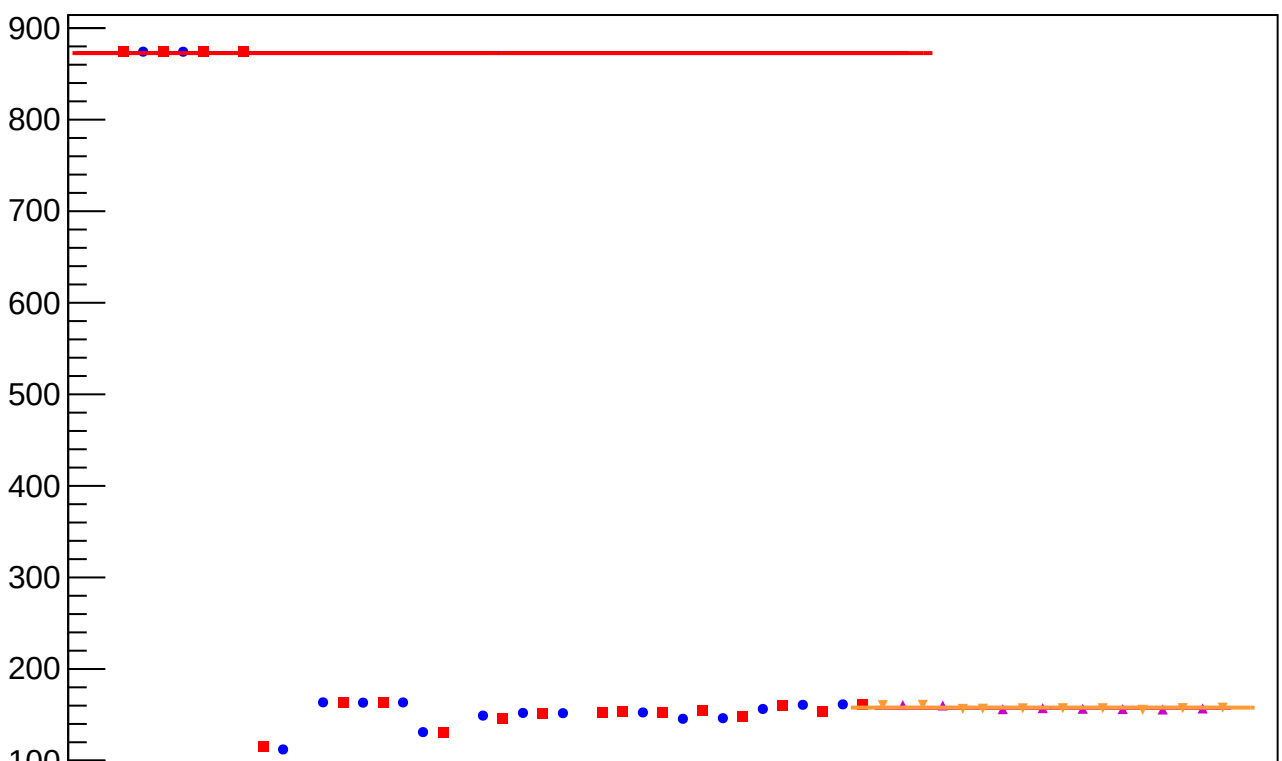
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.361+/-0.000 χ^2/NDF:1944320.5/23

Out: 0.359+/-0.000 χ^2/NDF:1855936.7/28

All: 0.360+/-0.000 χ^2/NDF: 3800669.7/52

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.833+/-0.000 χ^2/NDF:40765641.7/9

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 157.486+/-0.000 χ^2/NDF:39533845.6/7

Left: 157.666+/-0.000 χ^2/NDF: 81017650.3/17

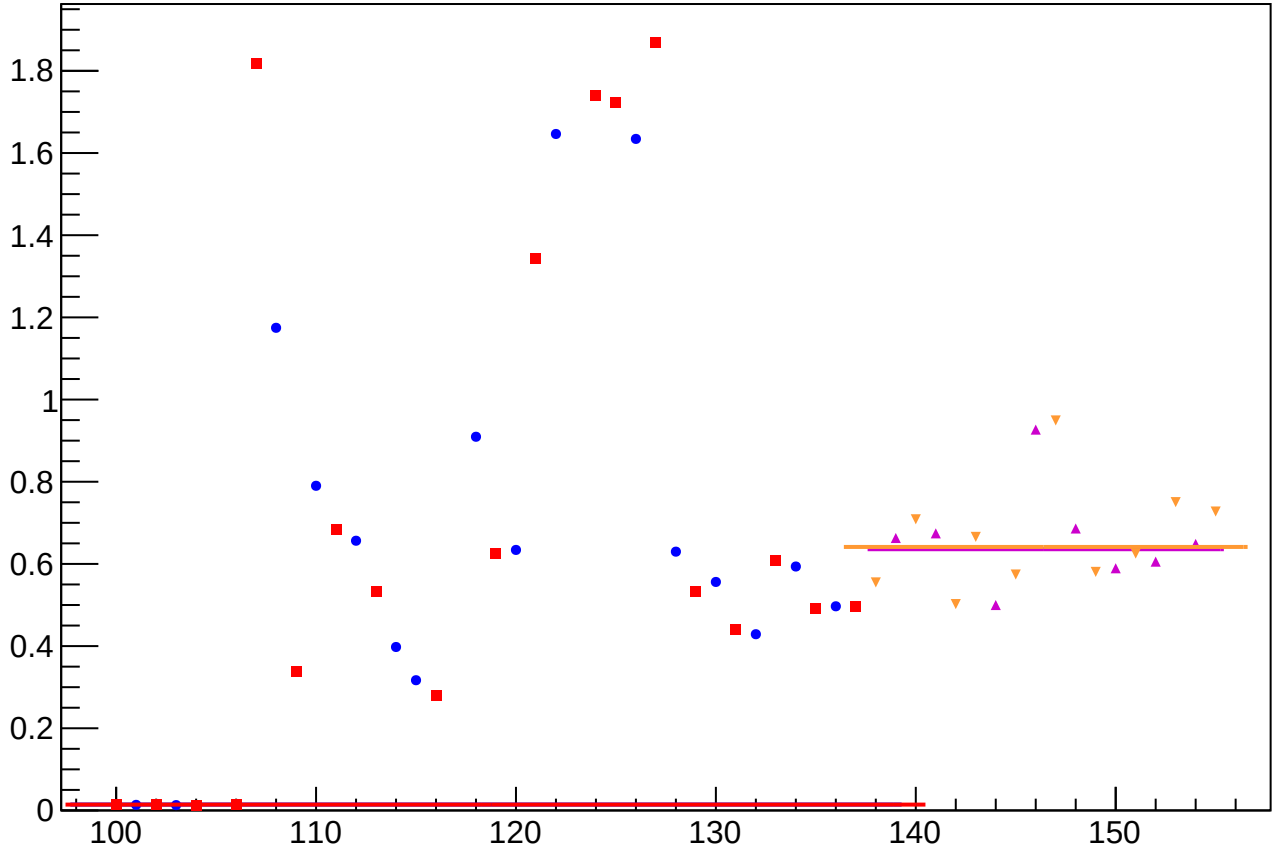
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 871.671+/-0.000 χ^2/NDF:13058289699905.0/2

Out: 871.602+/-0.000 χ^2/NDF:15470167590229.0

All: 871.634+/-0.000 χ^2/NDF: 285284755233

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.641+/-0.000 χ^2/NDF:257202.8/9

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.636+/-0.000 χ^2/NDF:204725.1/7

Left: 0.639+/-0.000 χ^2/NDF: 462293.0/17

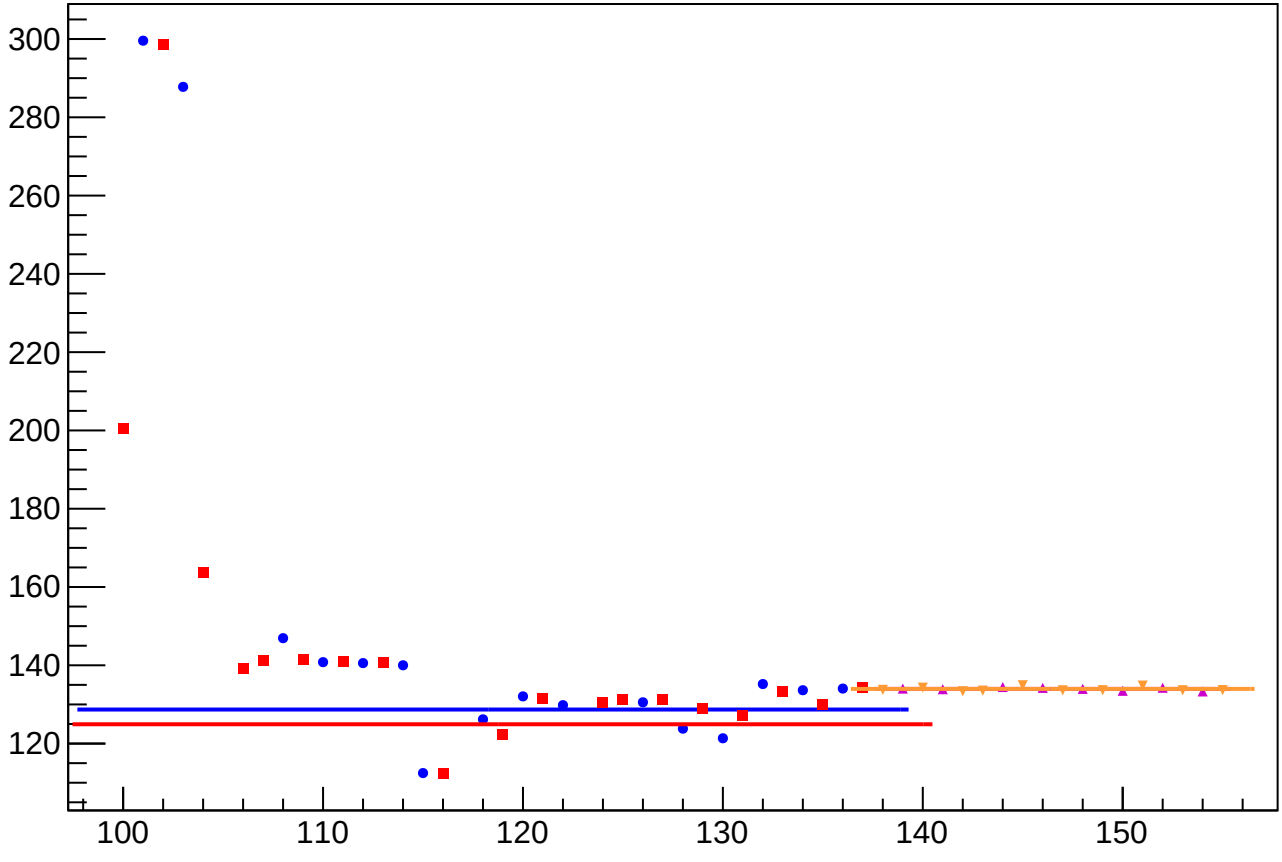
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.015+/-0.000 χ^2/NDF:18681166.1/23

Out: 0.015+/-0.000 χ^2/NDF:19367682.1/28

All: 0.015+/-0.000 χ^2/NDF: 38049149.9/52

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 133.972+/-0.000 χ^2/NDF:9792028.4/9

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 133.968+/-0.000 χ^2/NDF:4316684.3/7

Left: 133.970+/-0.000 χ^2/NDF: 14108946.6/17

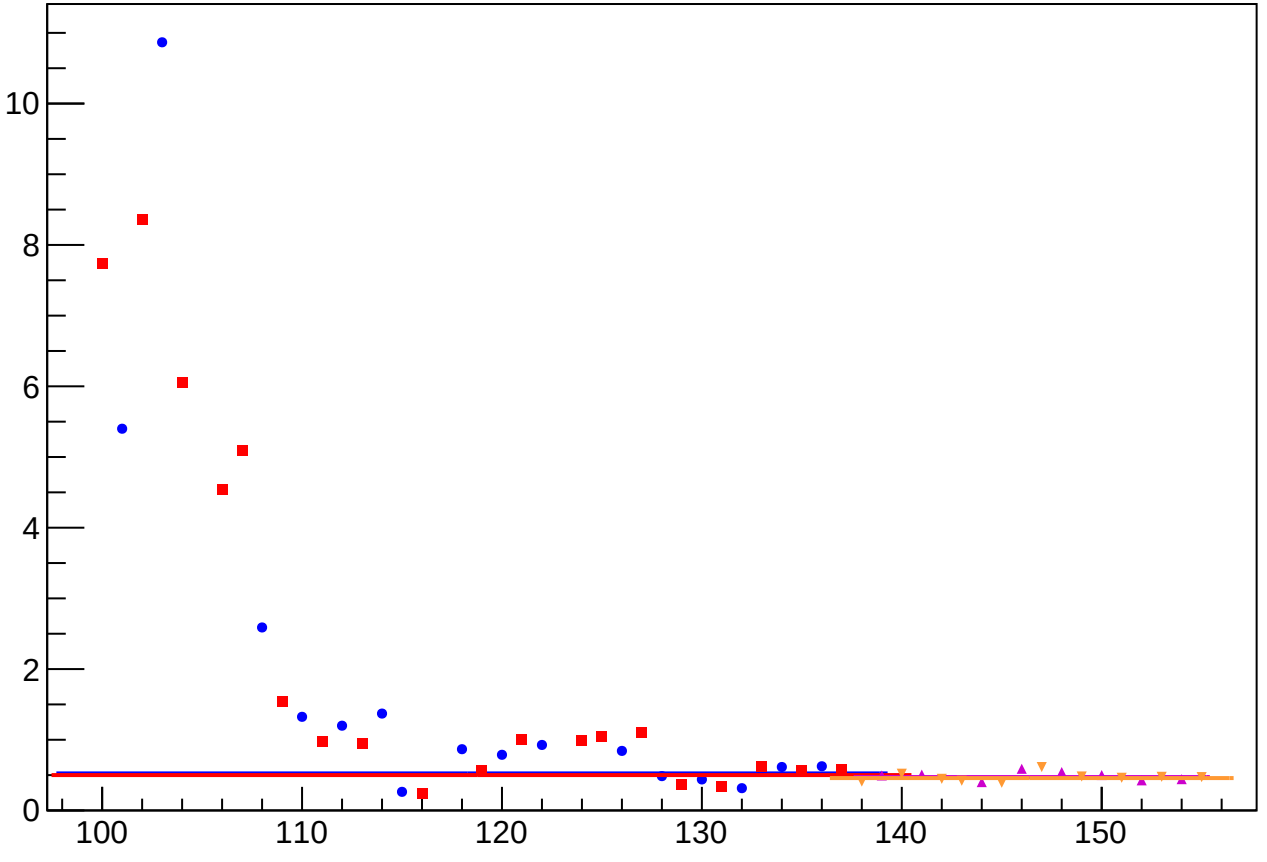
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.188+/-0.000 χ^2/NDF:1906018072.8/23

Out: 131.173+/-0.000 χ^2/NDF:2198518009.3/28

All: 131.646+/-0.000 χ^2/NDF: 4126316395.7

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.458+/-0.000 χ^2/NDF:185399.6/9

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.473+/-0.000 χ^2/NDF:181802.7/7

Left: 0.465+/-0.000 χ^2/NDF: 373212.4/17

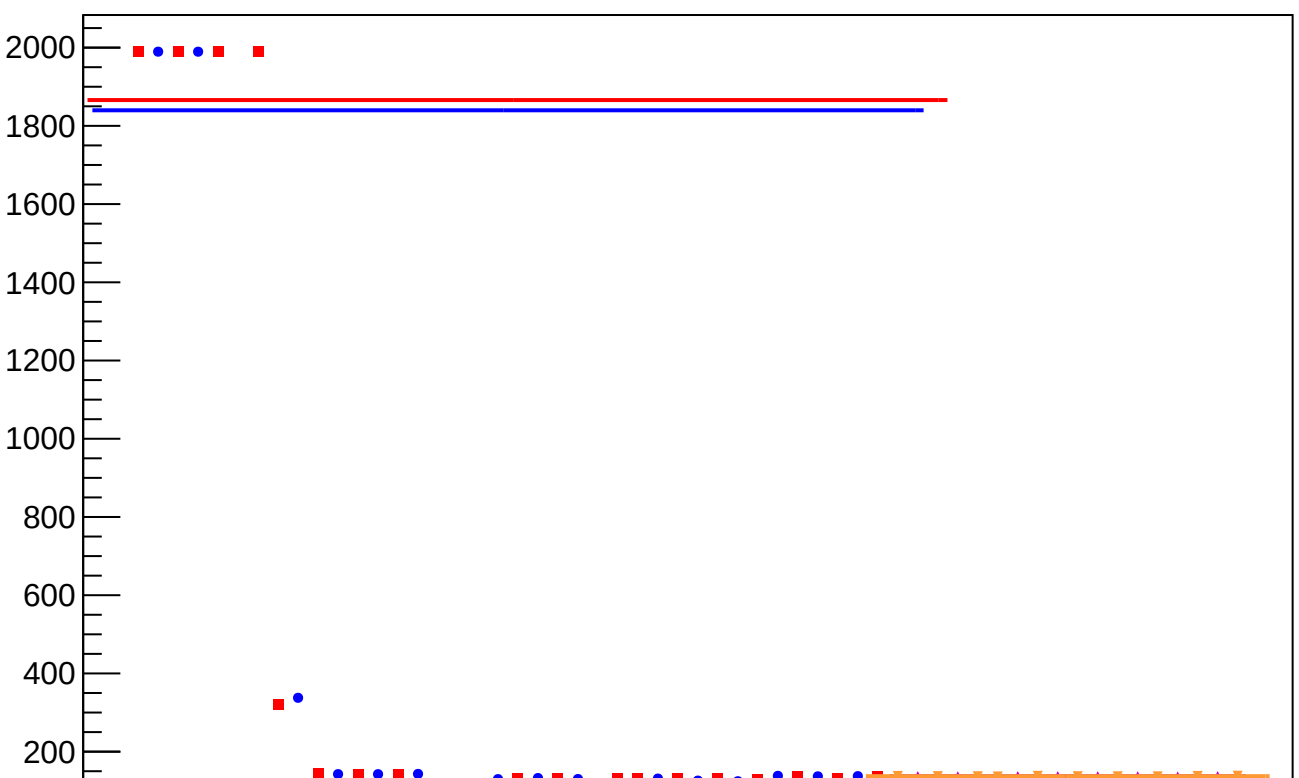
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.490+/-0.000 χ^2/NDF:4367146.9/23

Out: 0.471+/-0.000 χ^2/NDF:5104515.5/28

All: 0.480+/-0.000 χ^2/NDF: 9486516.9/52

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.349+/-0.000 χ^2/NDF:20586481.7/9

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.310+/-0.000 χ^2/NDF:4158774.3/7

Left: 137.331+/-0.000 χ^2/NDF: 24780435.8/17

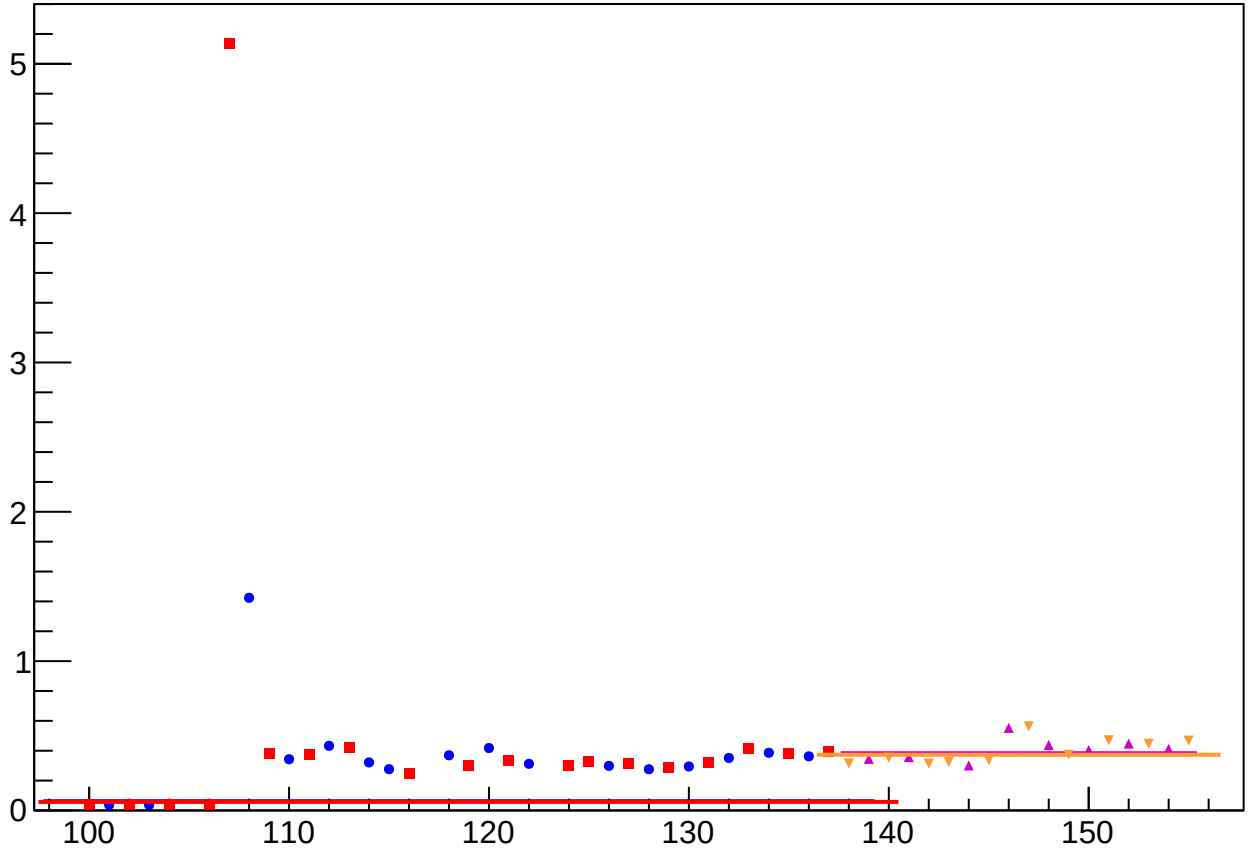
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1716.702+/-0.000 χ^2/NDF:265422142246120.

Out: 1740.323+/-0.000 χ^2/NDF:287403911650002

All: 1729.428+/-0.000 χ^2/NDF: 5530108554

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.373+/-0.000 χ^2/NDF:490576.8/9

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.383+/-0.000 χ^2/NDF:387043.1/7

Left: 0.378+/-0.000 χ^2/NDF: 882843.9/17

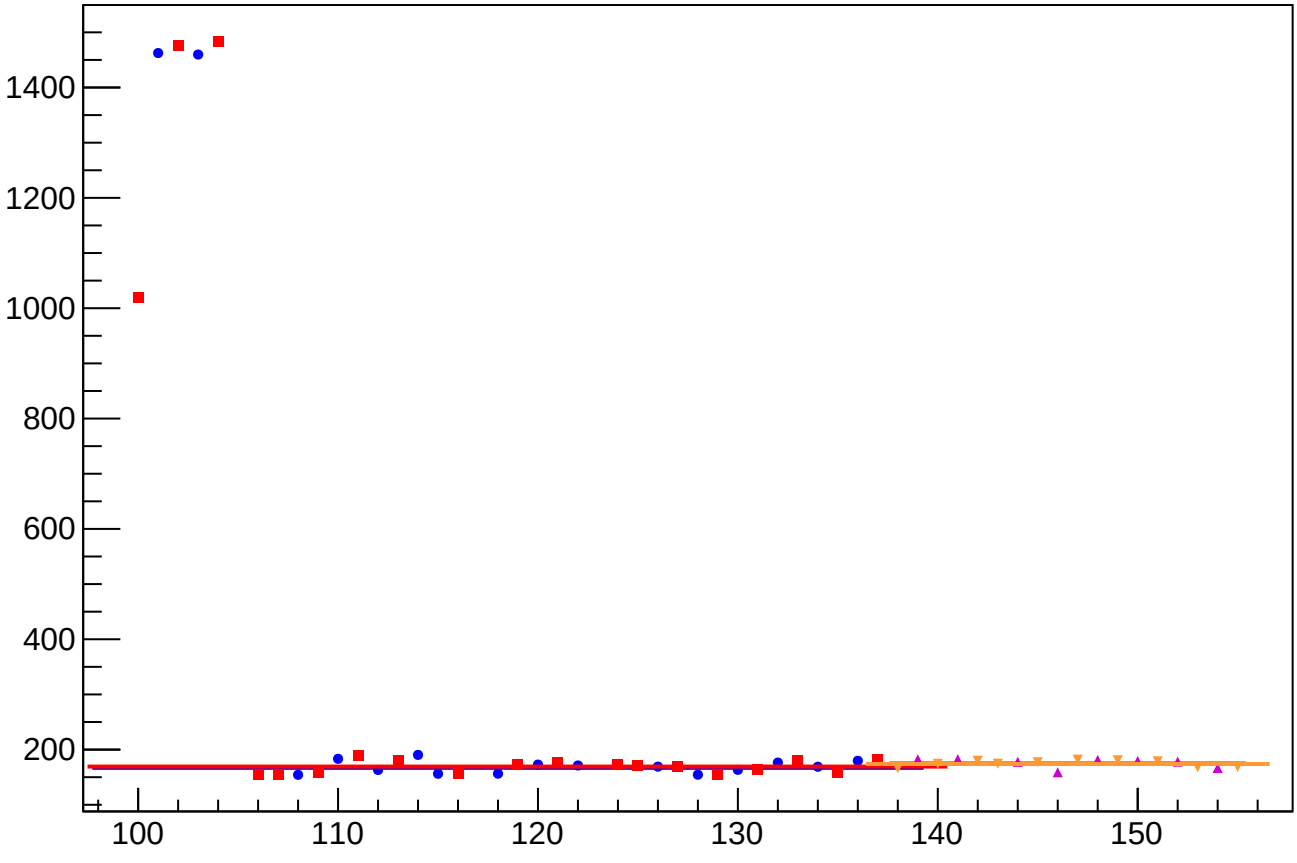
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.085+/-0.000 χ^2/NDF:17093878.2/23

Out: 0.080+/-0.000 χ^2/NDF:17883064.3/28

All: 0.082+/-0.000 χ^2/NDF: 34992152.4/52

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 173.916+/-0.000 χ^2/NDF:225905843.6/9

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 174.903+/-0.000 χ^2/NDF:436311879.7/7

Left: 174.367+/-0.000 χ^2/NDF: 665486583.8/17

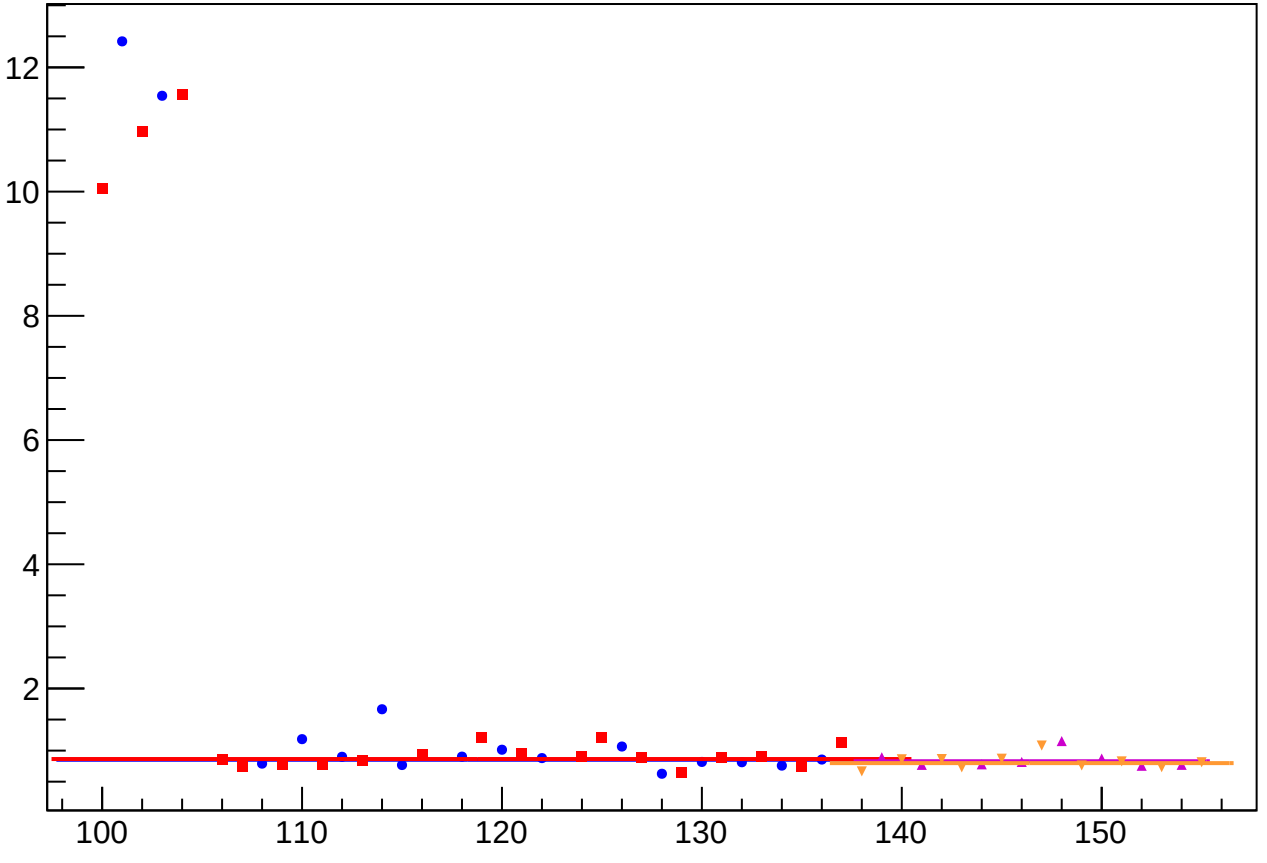
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 171.268+/-0.000 χ^2/NDF:15228806120.7/23

Out: 171.932+/-0.000 χ^2/NDF:16611363326.4/28

All: 171.618+/-0.000 χ^2/NDF: 31842843842.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.799+/-0.000 χ^2/NDF:145733.8/9

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.829+/-0.000 χ^2/NDF:129480.6/7

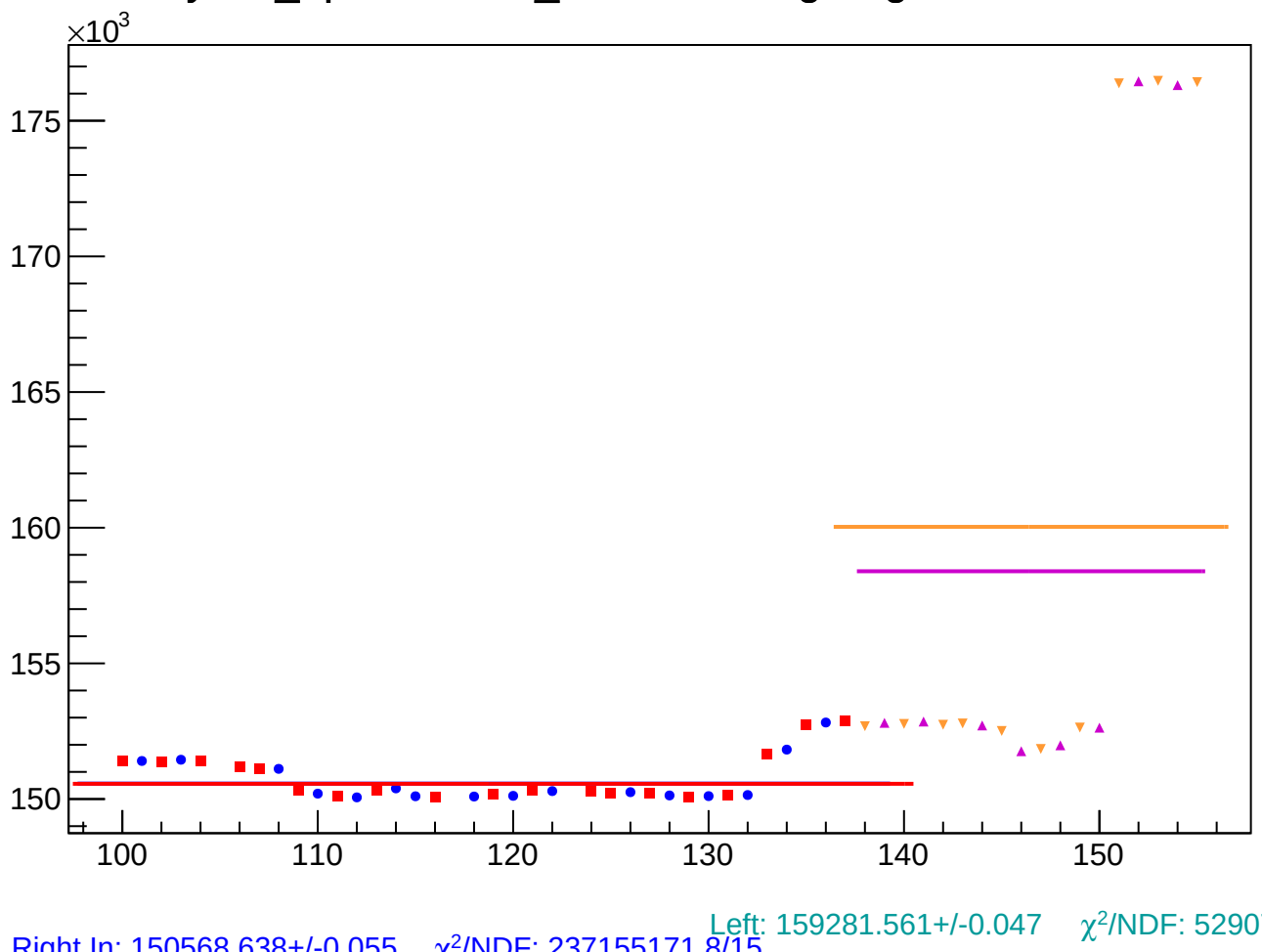
Left: 0.812+/-0.000 χ^2/NDF: 281352.2/17

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.840+/-0.000 χ^2/NDF:2435097.0/23

Out: 0.827+/-0.000 χ^2/NDF:2381943.0/28

All: 0.833+/-0.000 χ^2/NDF: 4819205.4/52



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 160031.129+/-0.064 χ^2/NDF:30337287476.6/9

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 158395.221+/-0.069 χ^2/NDF:22266247113.0/7

Left: 159281.561+/-0.047 χ^2/NDF: 52907021946.9

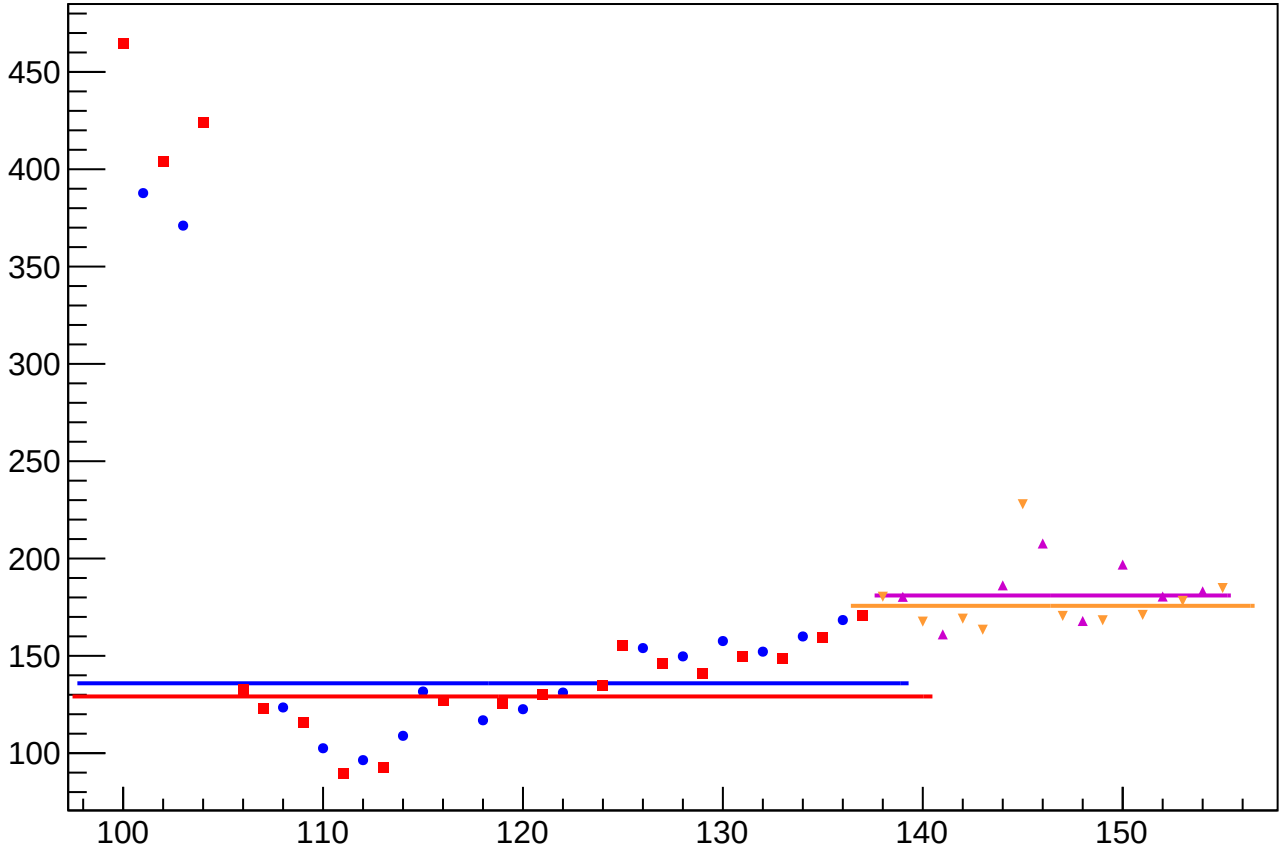
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 153576.540+/-0.043 χ^2/NDF:30397126419.4/2

Out: 154268.589+/-0.040 χ^2/NDF:44040299110.5

All: 153948.328+/-0.029 χ^2/NDF: 74577552

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 175.699+/-0.045 χ^2/NDF:109857.3/9

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 181.012+/-0.049 χ^2/NDF:78968.6/7

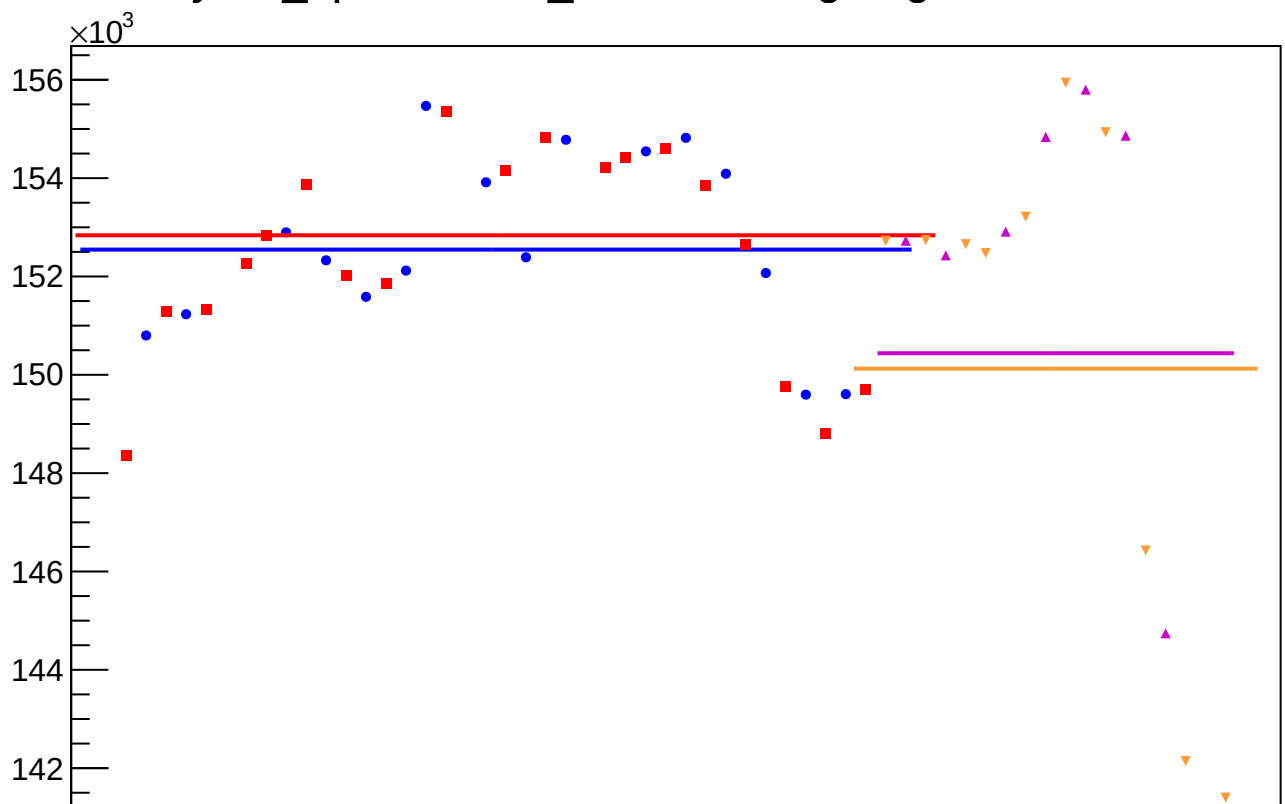
Left: 178.133+/-0.033 χ^2/NDF: 195228.3/17

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 153.235+/-0.030 χ^2/NDF:2019890.8/23

Out: 147.360+/-0.028 χ^2/NDF:2377397.0/28

All: 150.079+/-0.021 χ^2/NDF: 4417483.3/52



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 150125.550+/-0.071 χ^2/NDF:4712205437.7/9

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 150439.130+/-0.078 χ^2/NDF:4323777072.4/7

Left: 150268.888+/-0.052 χ^2/NDF: 9044847259.4/1

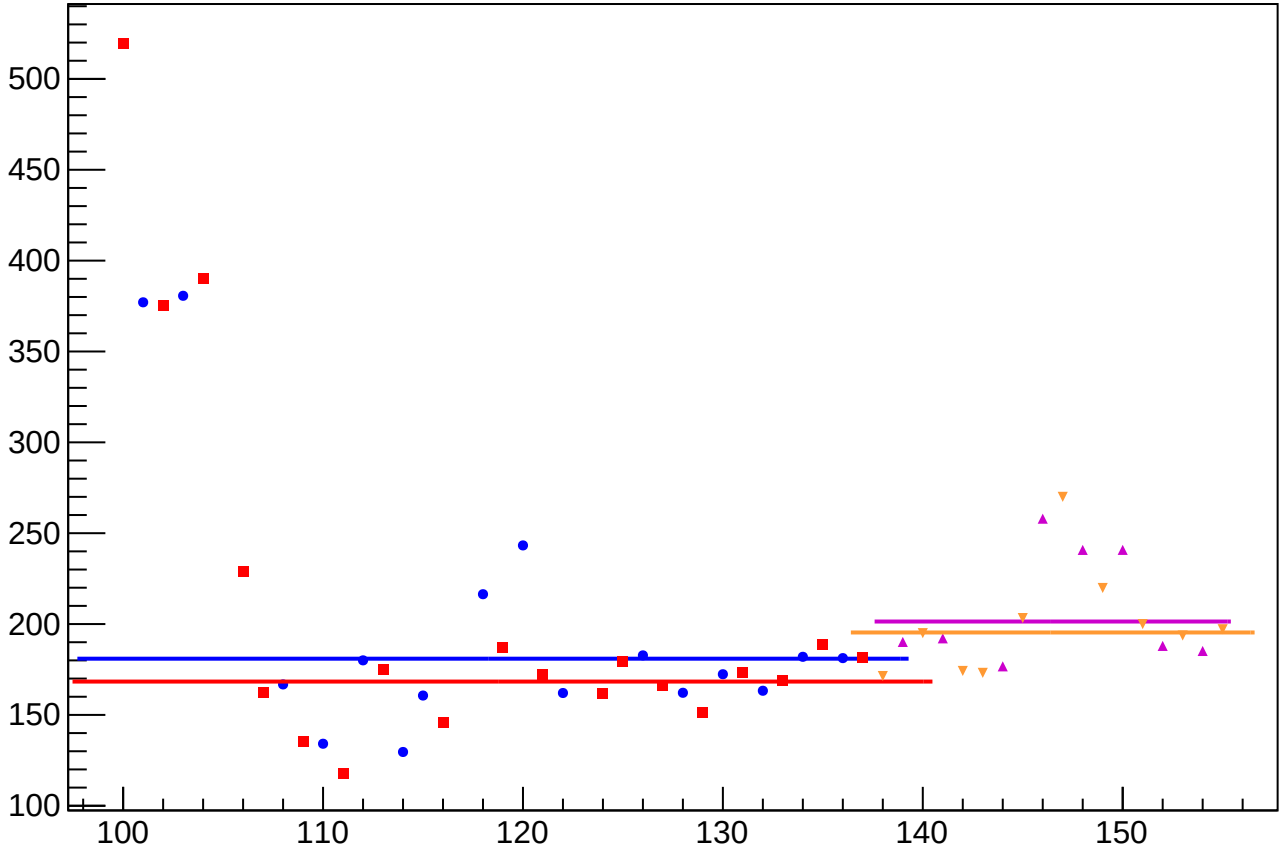
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 151562.912+/-0.053 χ^2/NDF:5371647151.7/23

Out: 151571.071+/-0.049 χ^2/NDF:6222375605.6/2

All: 151567.340+/-0.036 χ^2/NDF: 11594035

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 195.366+/-0.050 χ^2/NDF:217396.7/9

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 201.393+/-0.055 χ^2/NDF:241222.0/7

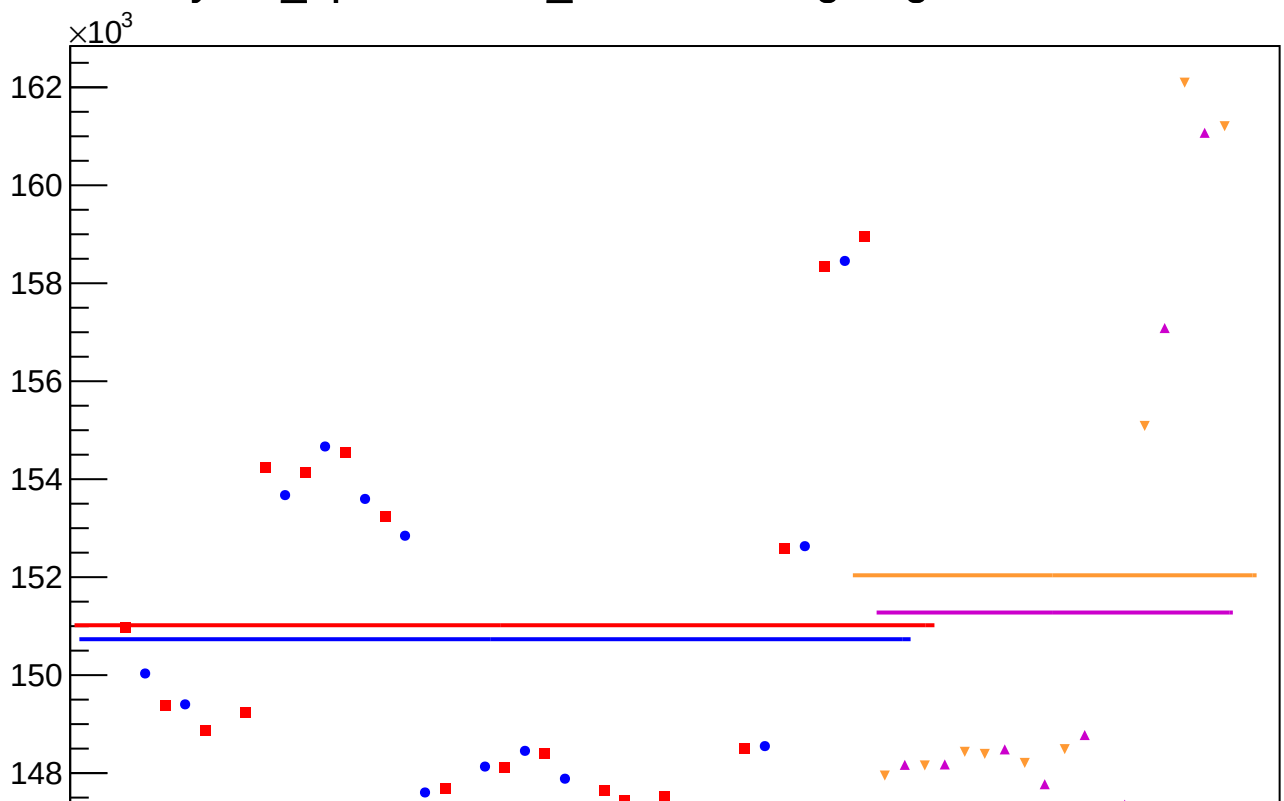
Left: 198.121+/-0.037 χ^2/NDF: 465167.2/17

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 190.487+/-0.037 χ^2/NDF:1223061.2/23

Out: 180.968+/-0.034 χ^2/NDF:1459928.6/28

All: 185.320+/-0.025 χ^2/NDF: 2717983.0/52



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 152038.238+/-0.069 χ^2/NDF:6921131706.5/9

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 151278.074+/-0.076 χ^2/NDF:4519794152.8/7

Left: 151693.859+/-0.051 χ^2/NDF: 11496300024.4/

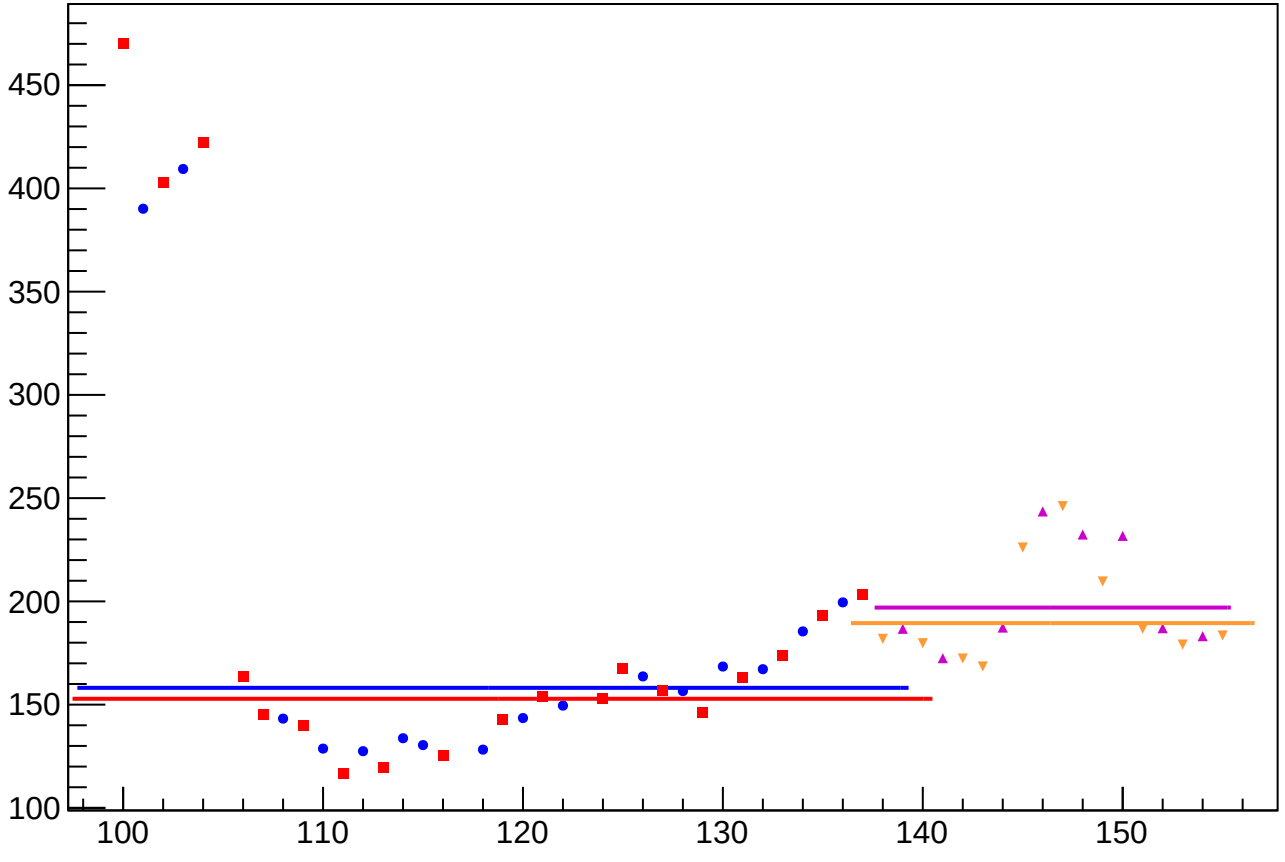
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 150956.319+/-0.048 χ^2/NDF:7834352360.2/23

Out: 151459.797+/-0.045 χ^2/NDF:10332034037.9

All: 151224.760+/-0.033 χ^2/NDF: 18224227

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 189.483+/-0.049 χ^2/NDF:192556.8/9

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 197.002+/-0.053 χ^2/NDF:202410.5/7

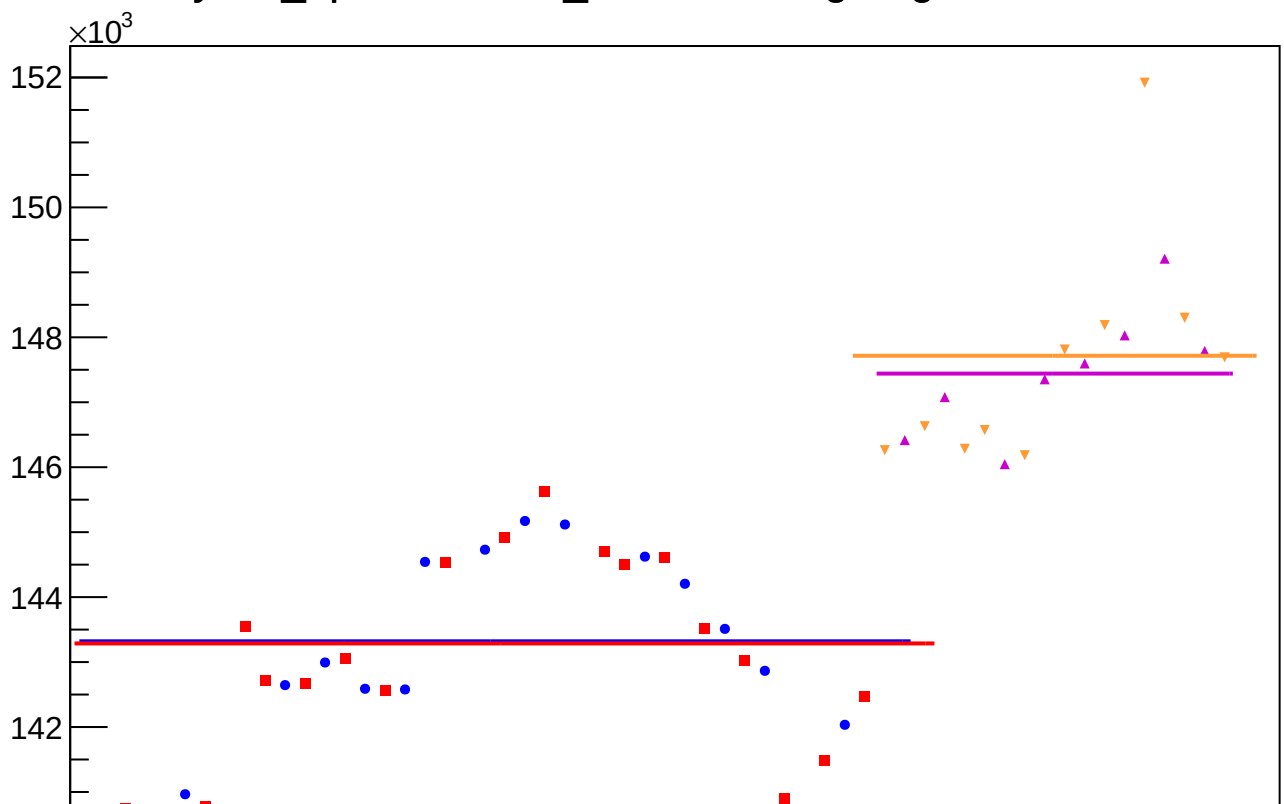
Left: 192.889+/-0.036 χ^2/NDF: 405801.8/17

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 174.048+/-0.034 χ^2/NDF:1710693.1/23

Out: 168.698+/-0.032 χ^2/NDF:1778990.0/28

All: 171.195+/-0.023 χ^2/NDF: 3502743.9/52



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147715.827+/-0.066 χ^2/NDF:668615130.5/9

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147441.316+/-0.073 χ^2/NDF:179470028.6/7

Left: 147592.064+/-0.049 χ^2/NDF: 855820278.2/17

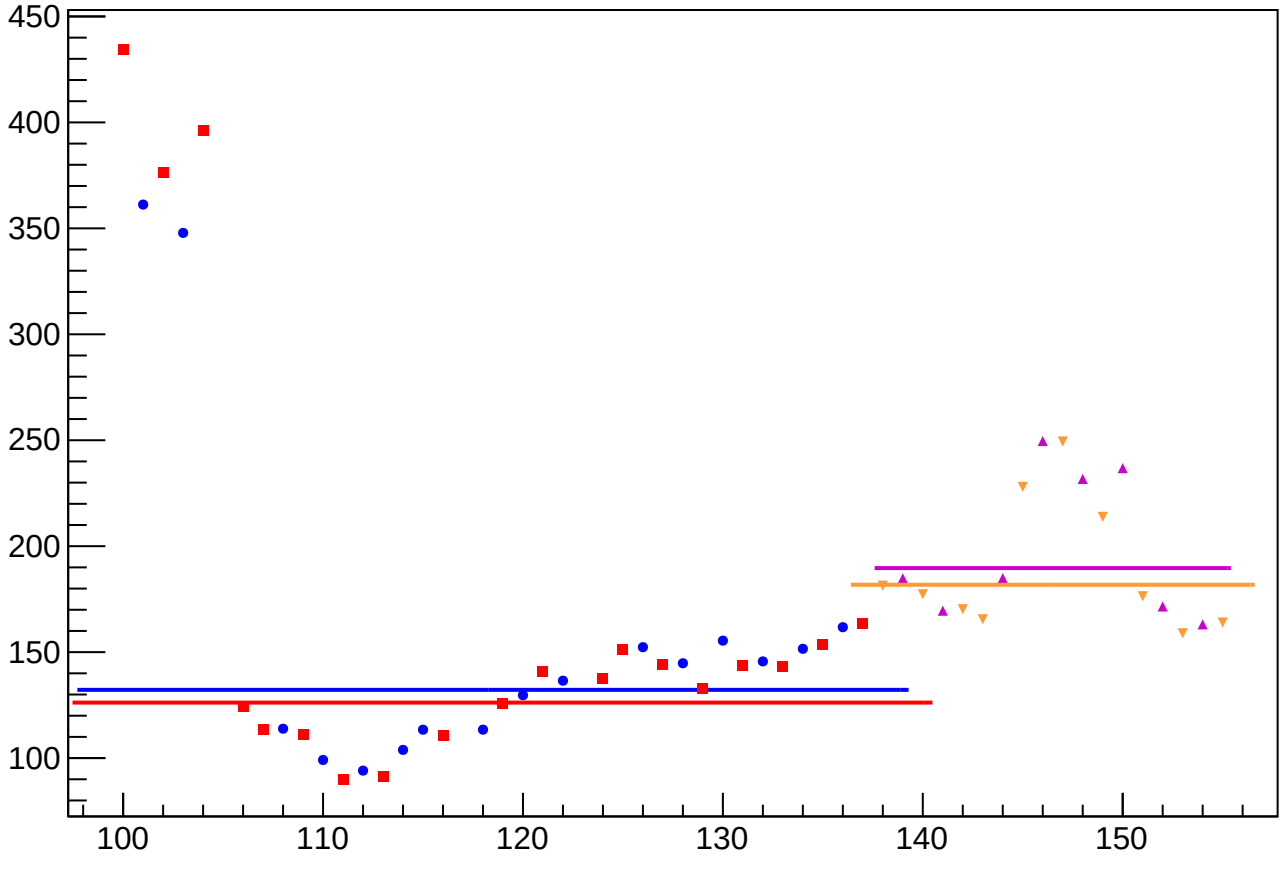
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 144743.049+/-0.043 χ^2/NDF:2817570871.8/23

Out: 144881.415+/-0.040 χ^2/NDF:4147205279.8/2

All: 144817.605+/-0.029 χ^2/NDF: 697035977

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 181.805+/-0.047 χ^2/NDF:297342.6/9

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 189.664+/-0.052 χ^2/NDF:316560.0/7

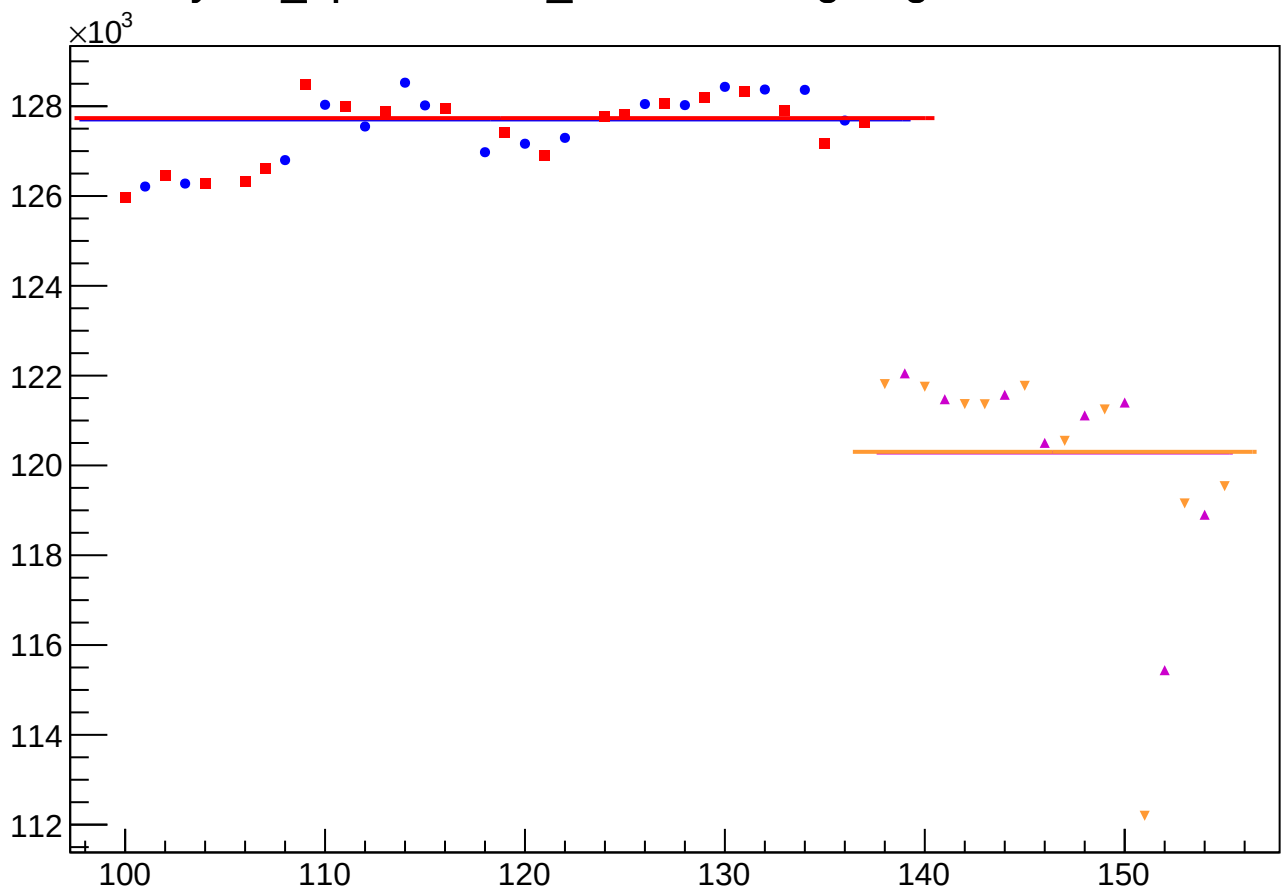
Left: 185.348+/-0.035 χ^2/NDF: 626581.4/17

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 152.048+/-0.030 χ^2/NDF:2503752.1/23

Out: 146.213+/-0.028 χ^2/NDF:2743711.9/28

All: 148.904+/-0.021 χ^2/NDF: 5267320.9/52



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120302.958+/-0.063 χ^2/NDF:1686645992.5/9

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 120287.585+/-0.065 χ^2/NDF:1057222266.4/7

Left: 120295.596+/-0.045 χ^2/NDF: 2743897026.0/1

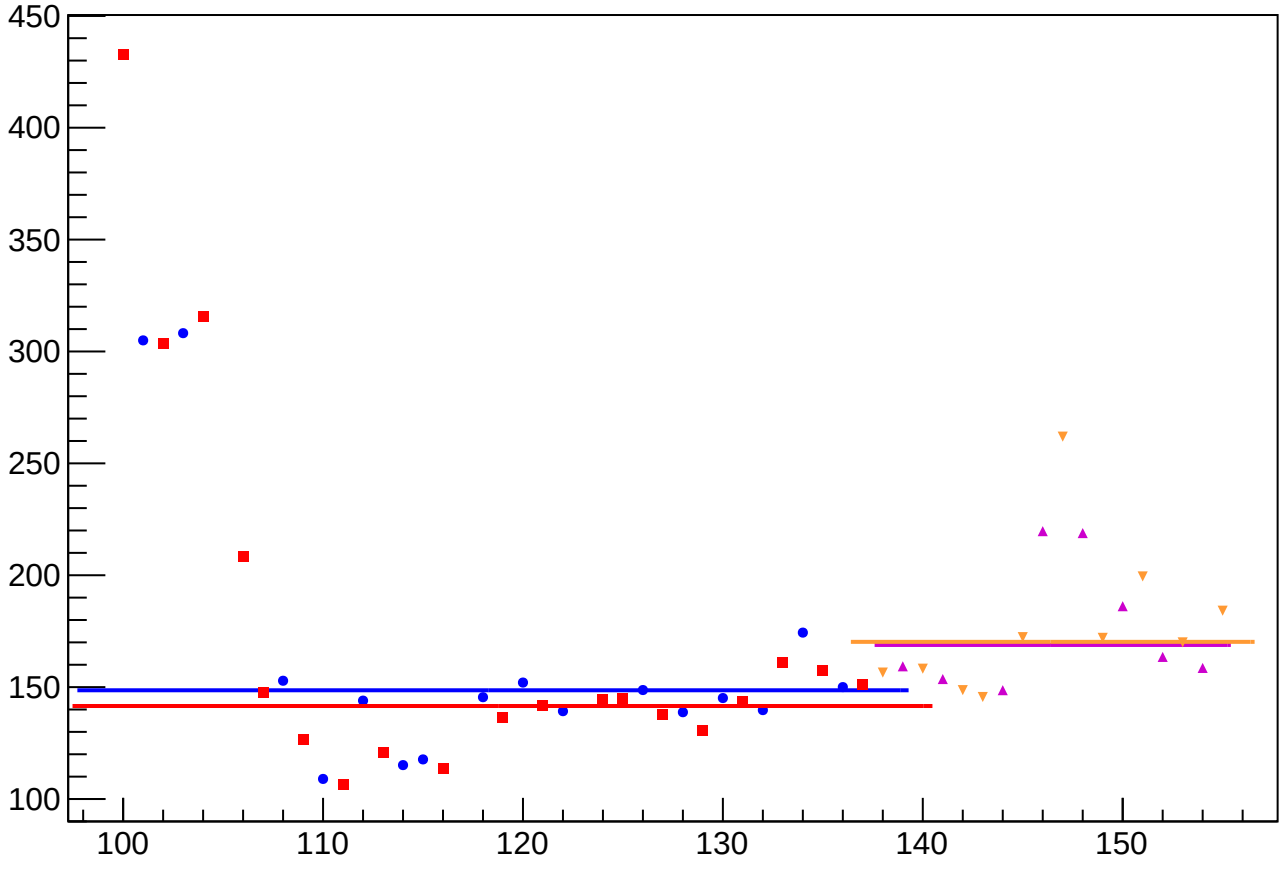
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 124415.165+/-0.044 χ^2/NDF:8313277120.9/23

Out: 124510.023+/-0.041 χ^2/NDF:9742926247.8/2

All: 124465.117+/-0.030 χ^2/NDF: 18058698

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 170.235+/-0.044 χ^2/NDF:326391.8/9

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 168.845+/-0.046 χ^2/NDF:255363.6/7

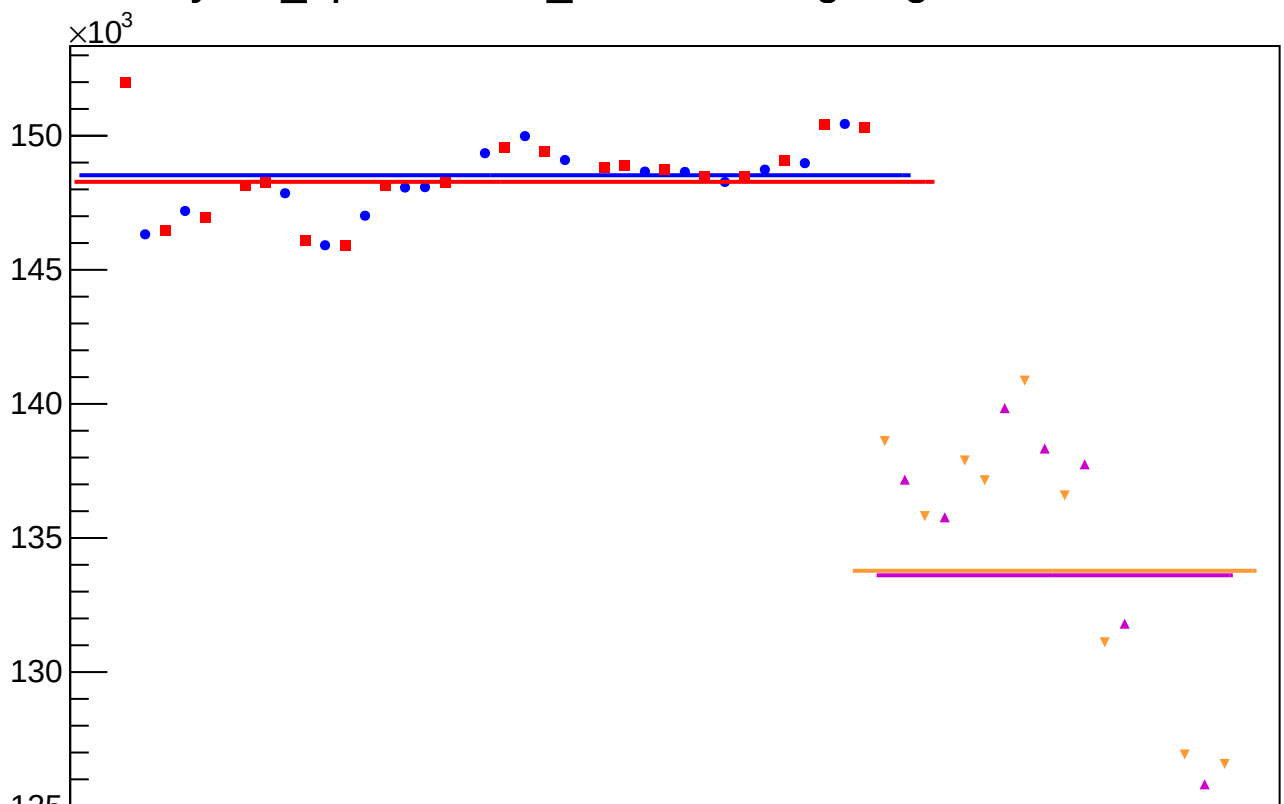
Left: 169.569+/-0.032 χ^2/NDF: 582225.6/17

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 157.576+/-0.031 χ^2/NDF:1189686.7/23

Out: 154.004+/-0.029 χ^2/NDF:1564193.9/28

All: 155.695+/-0.021 χ^2/NDF: 2760958.1/52



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 133778.134+/-0.093 χ^2/NDF:3154943760.4/9

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 133609.696+/-0.098 χ^2/NDF:3051626406.3/7

Left: 133698.276+/-0.067 χ^2/NDF: 6208126501.8/1

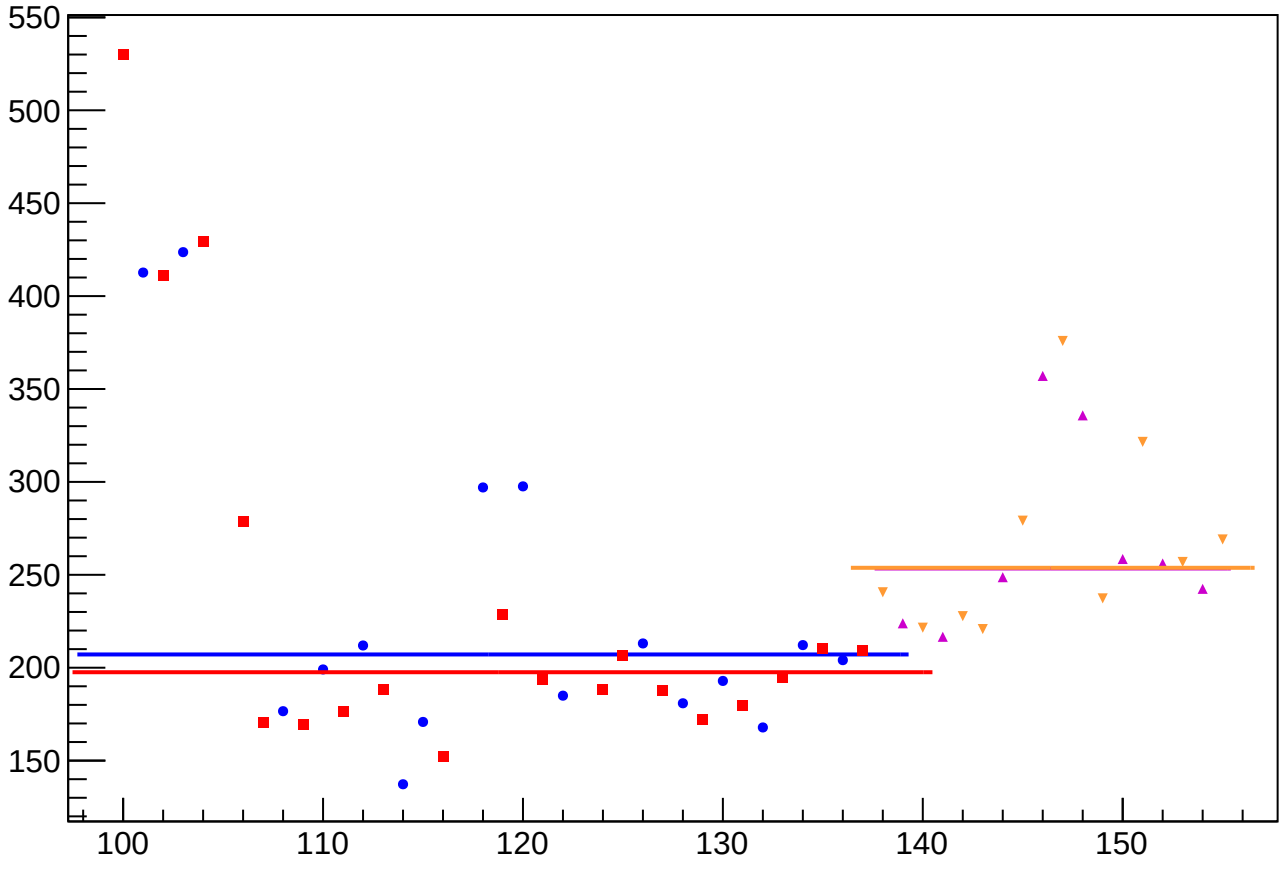
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 142383.151+/-0.063 χ^2/NDF:16913095216.2/2

Out: 142416.637+/-0.059 χ^2/NDF:17946066563.1

All: 142400.914+/-0.043 χ^2/NDF: 34859312

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 253.772+/-0.066 χ^2/NDF:355752.0/9

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 253.398+/-0.069 χ^2/NDF:328645.5/7

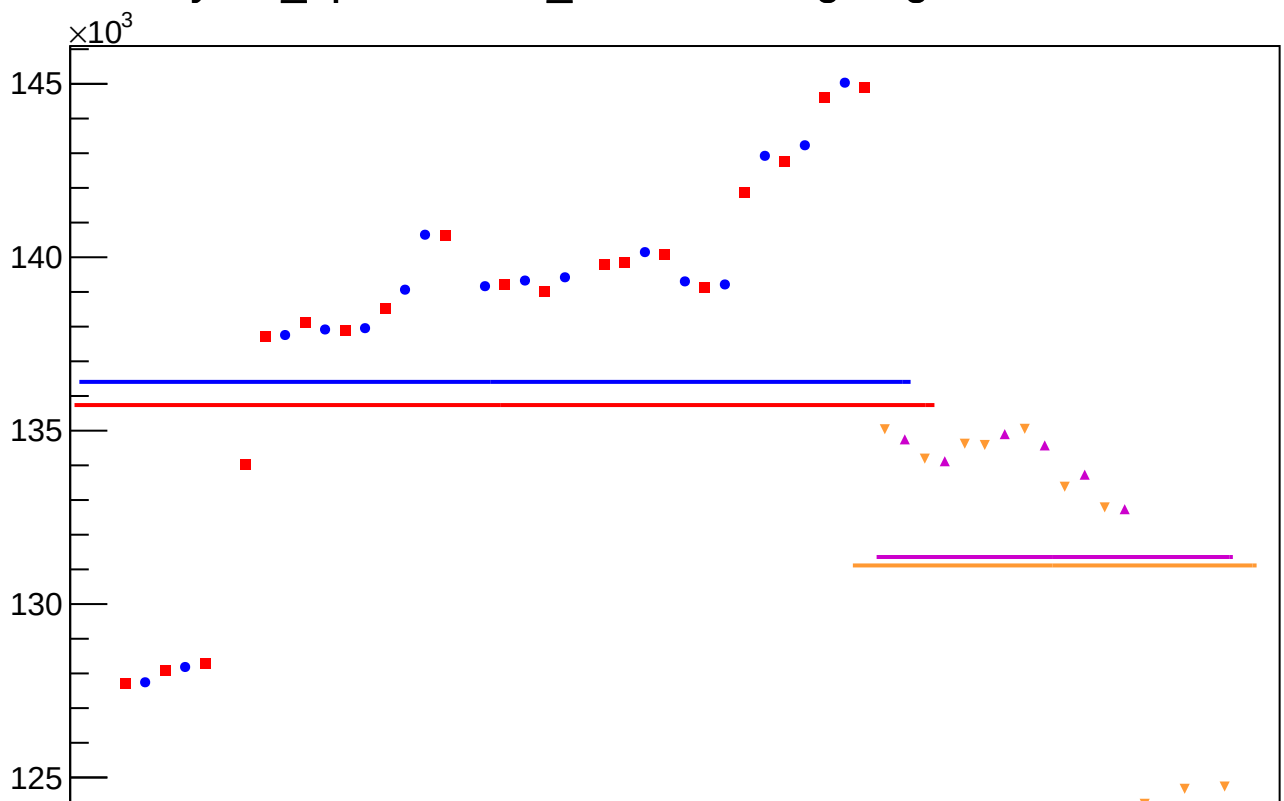
Left: 253.595+/-0.048 χ^2/NDF: 684412.8/17

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 226.190+/-0.044 χ^2/NDF:1563455.1/23

Out: 220.299+/-0.042 χ^2/NDF:1695069.9/28

All: 223.065+/-0.030 χ^2/NDF: 3267850.8/52



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 131113.696+/-0.200 χ^2/NDF:559371169.2/9

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 131357.299+/-0.224 χ^2/NDF:423961104.1/7

Left: 131221.619+/-0.149 χ^2/NDF: 983990742.1/17

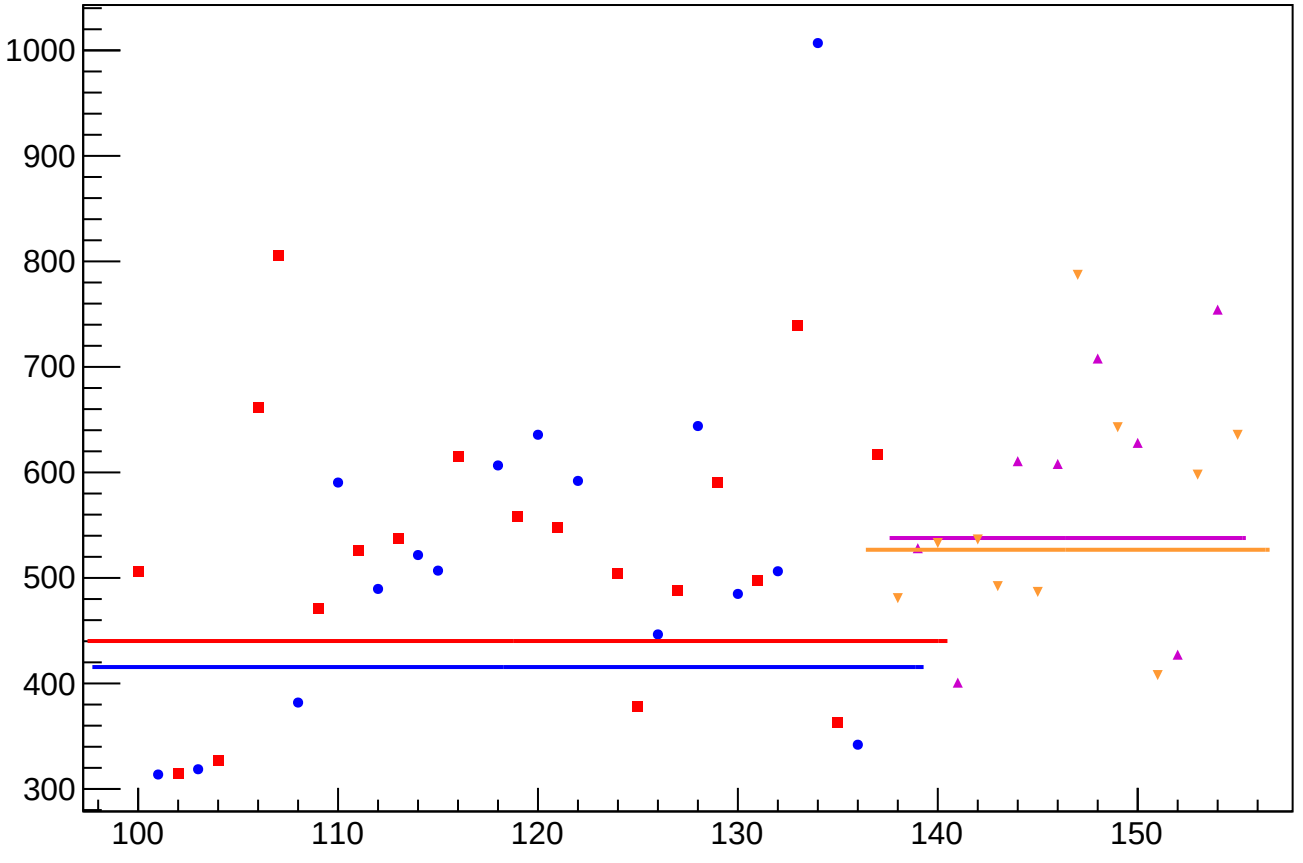
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 134581.531+/-0.135 χ^2/NDF:2325389630.5/23

Out: 133709.285+/-0.132 χ^2/NDF:2034144477.2/2

All: 134137.740+/-0.094 χ^2/NDF: 43808675

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 526.702+/-0.141 χ^2/NDF:432357.5/9

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 537.836+/-0.158 χ^2/NDF:543861.6/7

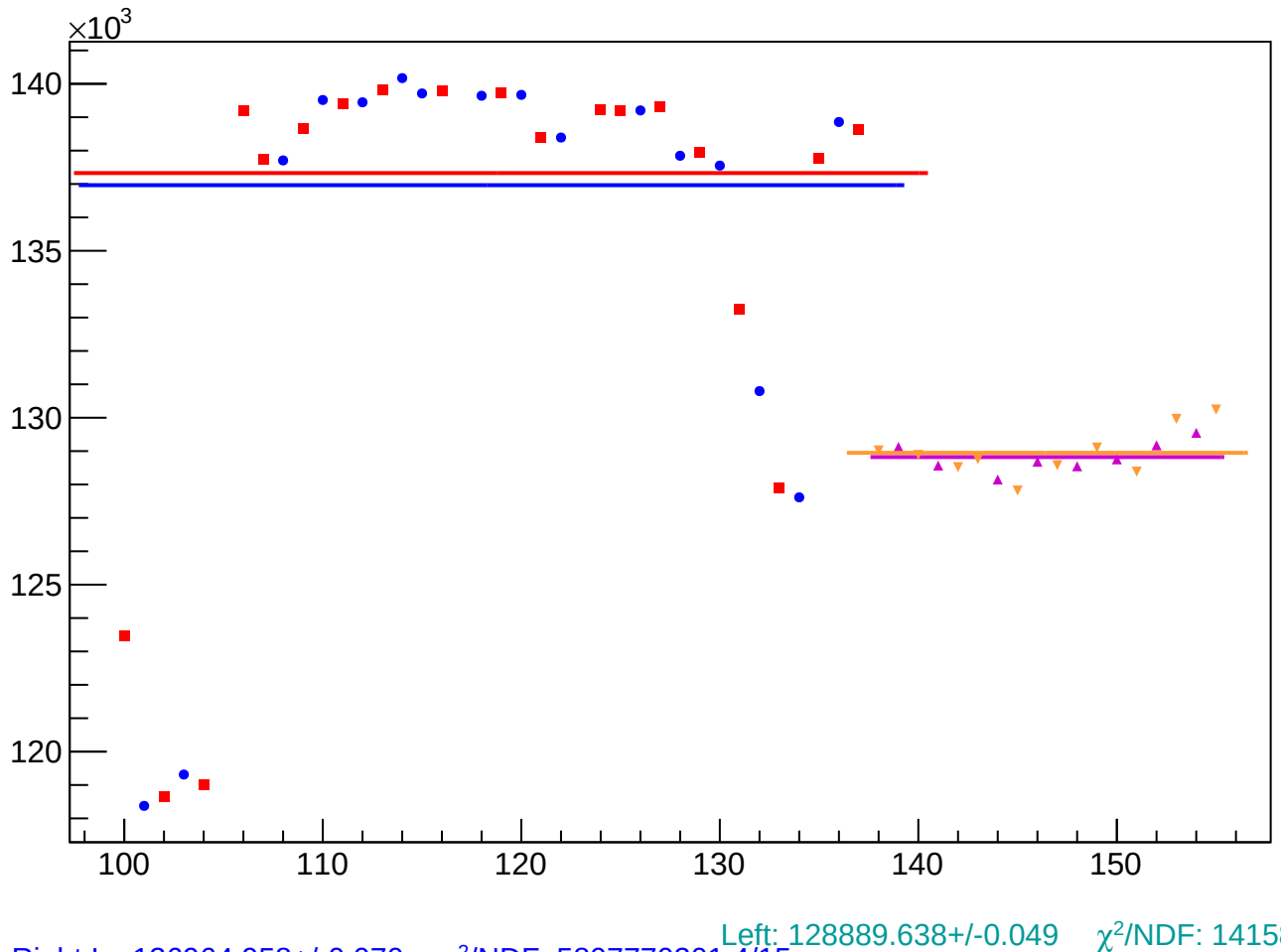
Left: 531.635+/-0.105 χ^2/NDF: 978970.5/17

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 459.754+/-0.095 χ^2/NDF:1955924.1/23

Out: 478.163+/-0.094 χ^2/NDF:1553426.5/28

All: 469.120+/-0.067 χ^2/NDF: 3528356.9/52



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128949.192+/-0.067 χ^2/NDF:101344192.9/9

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 128821.625+/-0.071 χ^2/NDF:38530692.4/7

Left: 128889.638+/-0.049 χ^2/NDF: 141581927.2/17

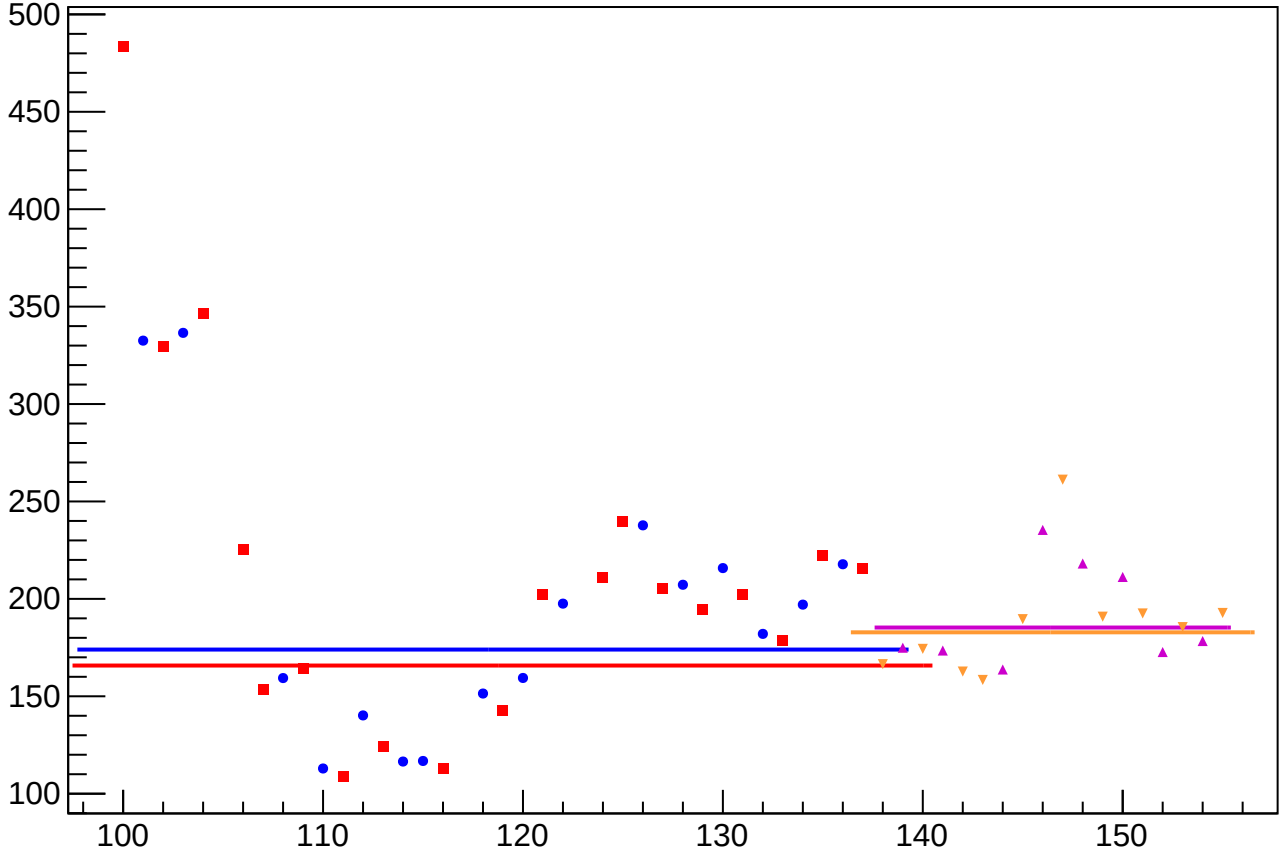
Right: 137157.181+/-0.048 χ^2/NDF: 1155984872

In: 132983.678+/-0.050 χ^2/NDF:12514657691.9/2

Out: 133206.932+/-0.047 χ^2/NDF:13854505997.2

All: 133102.377+/-0.034 χ^2/NDF: 26379828

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 182.829+/-0.047 χ^2/NDF:230002.1/9

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 185.286+/-0.050 χ^2/NDF:199022.3/7

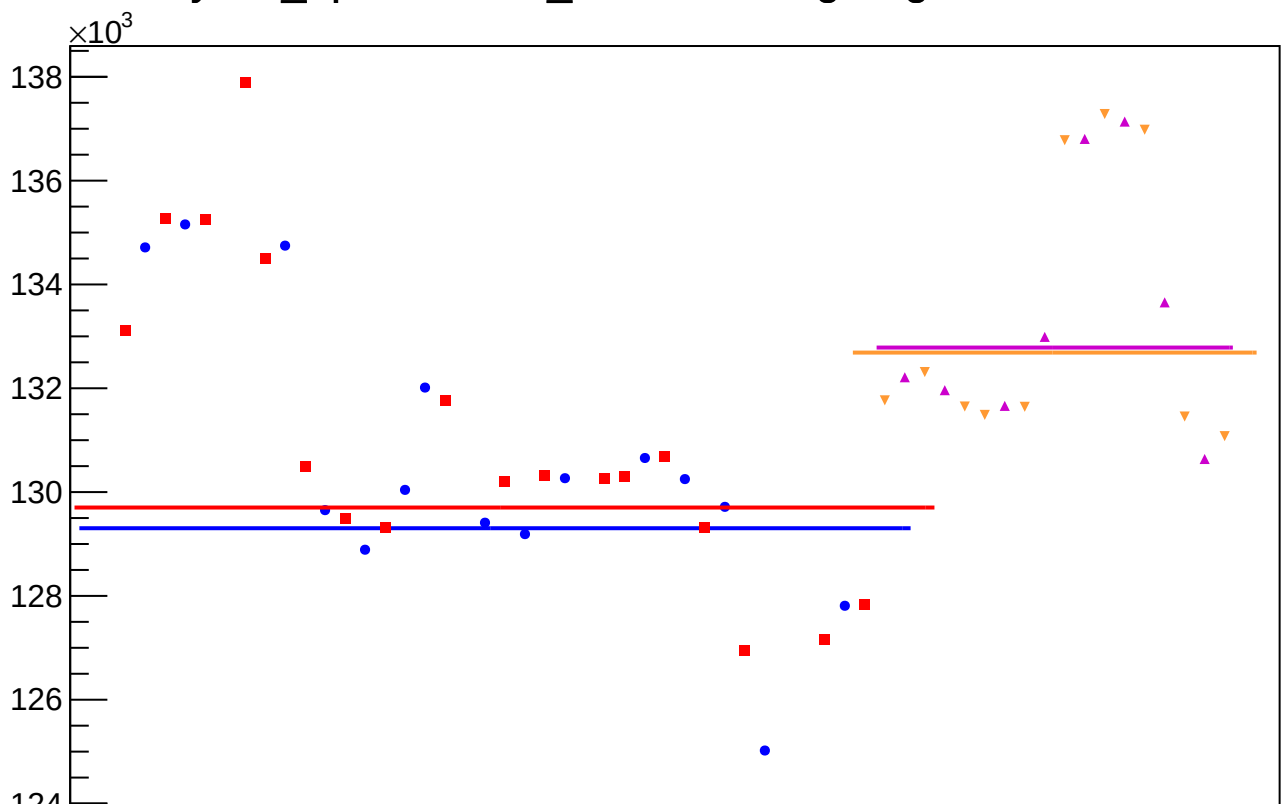
Left: 183.976+/-0.034 χ^2/NDF: 430290.8/17

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 179.508+/-0.035 χ^2/NDF:1413215.6/23

Out: 174.165+/-0.033 χ^2/NDF:1729543.7/28

All: 176.668+/-0.024 χ^2/NDF: 3154976.7/52



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132687.622+/-0.068 χ^2/NDF:1016804166.3/9

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 132784.398+/-0.073 χ^2/NDF:702175062.0/7

Left: 132732.808+/-0.050 χ^2/NDF: 1719925168.9/1

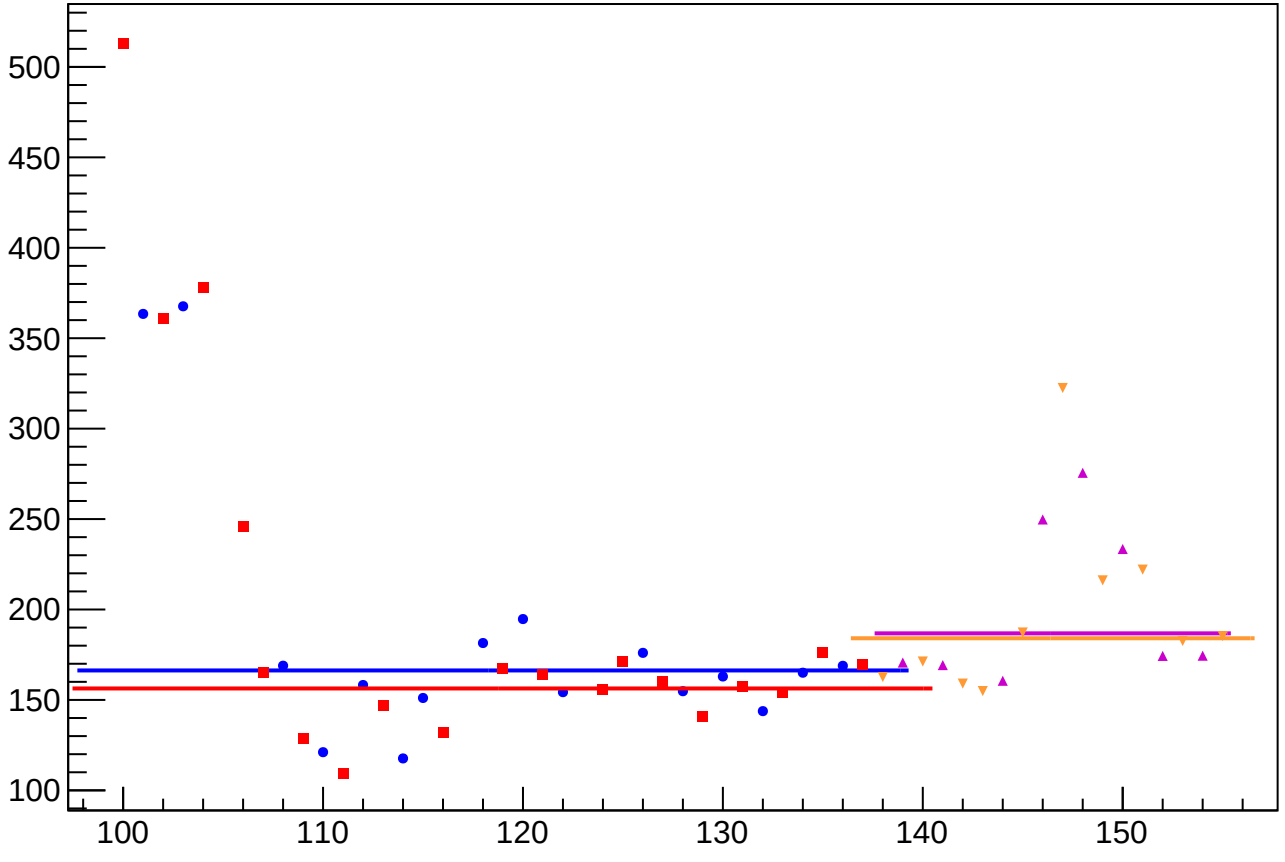
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130882.833+/-0.049 χ^2/NDF:3606355095.3/23

Out: 131046.843+/-0.046 χ^2/NDF:3853997816.0/2

All: 130970.564+/-0.033 χ^2/NDF: 74663622

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 184.094+/-0.048 χ^2/NDF:496376.8/9

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 186.812+/-0.051 χ^2/NDF:446730.8/7

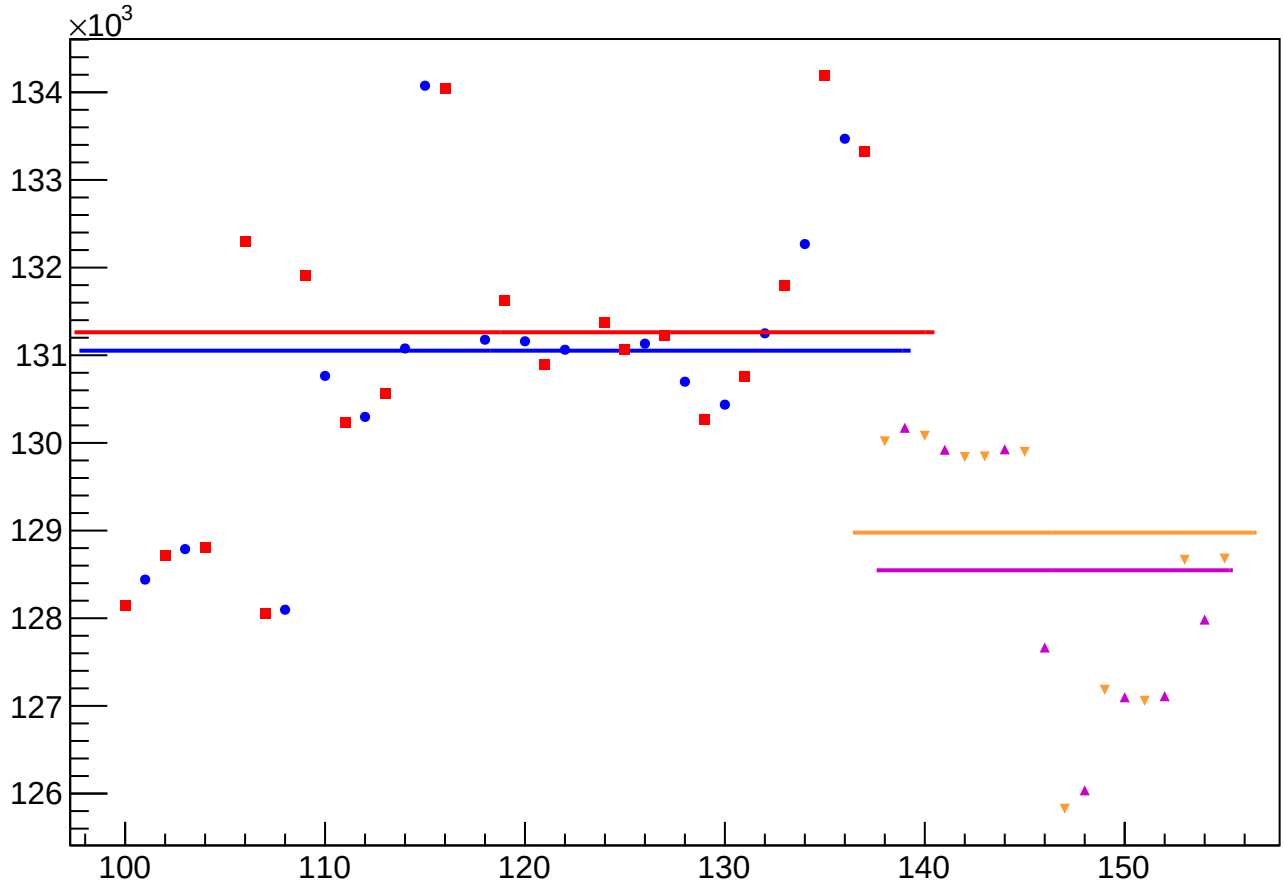
Left: 185.363+/-0.035 χ^2/NDF: 944599.4/17

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 175.607+/-0.035 χ^2/NDF:1471762.2/23

Out: 168.836+/-0.032 χ^2/NDF:1852470.7/28

All: 171.985+/-0.024 χ^2/NDF: 3344717.2/52



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128976.467+/-0.064 χ^2/NDF:403395137.6/9

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128546.999+/-0.069 χ^2/NDF:443162906.5/7

Left: 128776.443+/-0.047 χ^2/NDF: 867409189.4/17

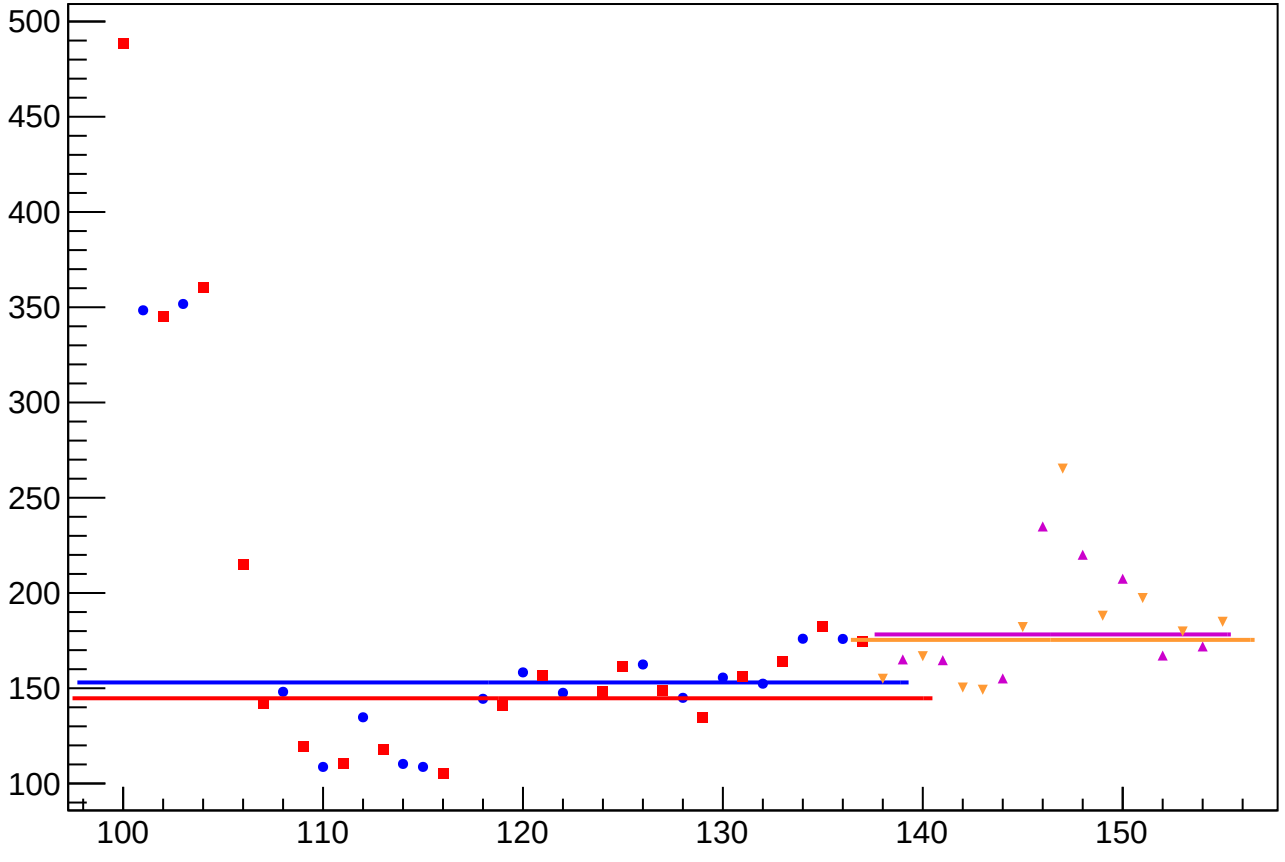
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129956.029+/-0.045 χ^2/NDF:1713880896.2/23

Out: 130261.072+/-0.042 χ^2/NDF:1720392205.2/2

All: 130118.931+/-0.031 χ^2/NDF: 345830150

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 175.388+/-0.045 χ^2/NDF:326177.7/9

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 178.246+/-0.049 χ^2/NDF:266536.5/7

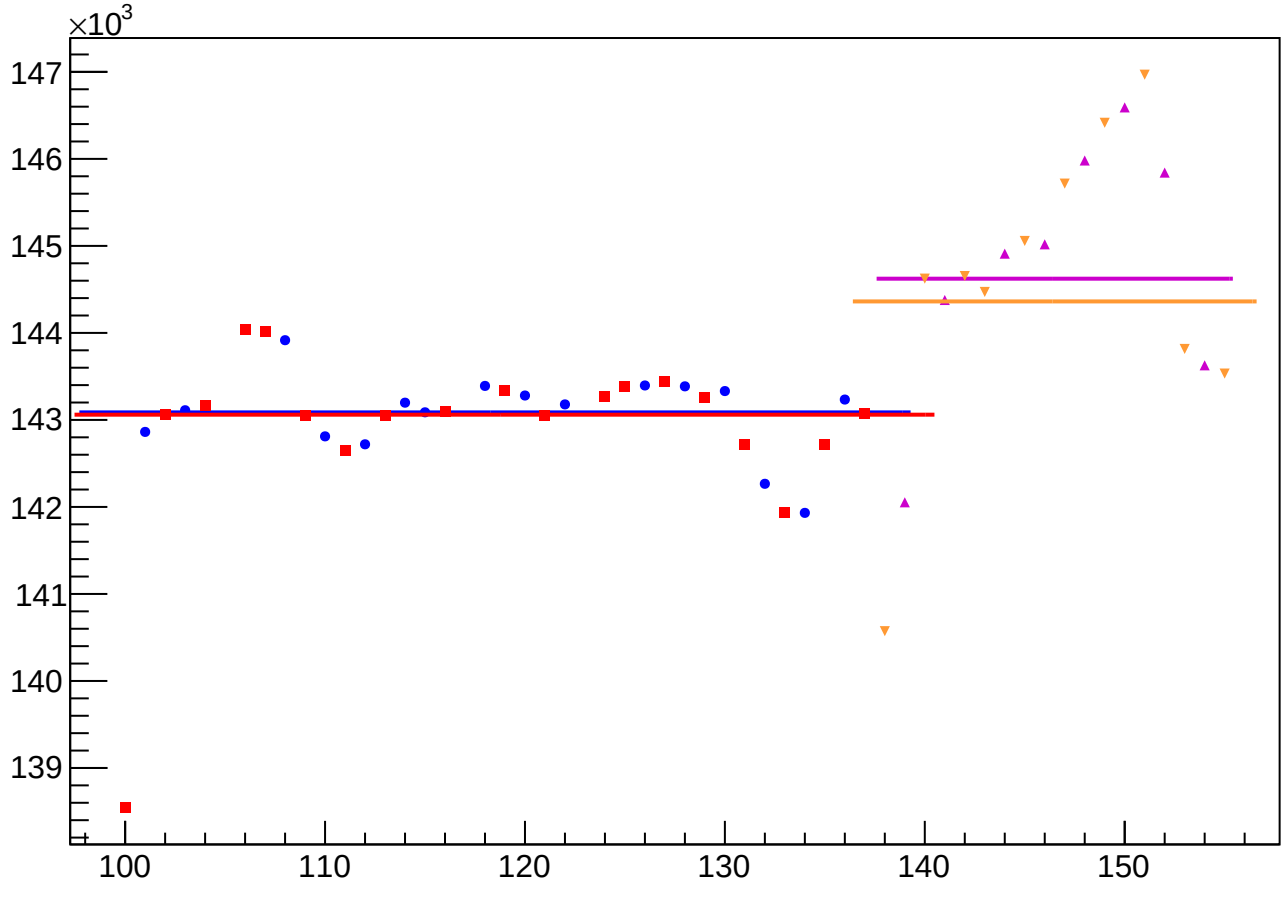
Left: 176.719+/-0.033 χ^2/NDF: 594560.7/17

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 164.072+/-0.032 χ^2/NDF:1477187.3/23

Out: 158.158+/-0.030 χ^2/NDF:1846021.2/28

All: 160.914+/-0.022 χ^2/NDF: 3341266.7/52



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144361.892+/-0.075 χ^2/NDF:561576539.4/9

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144623.119+/-0.080 χ^2/NDF:300498571.0/7

Left: 144484.629+/-0.055 χ^2/NDF: 867772880.1/17

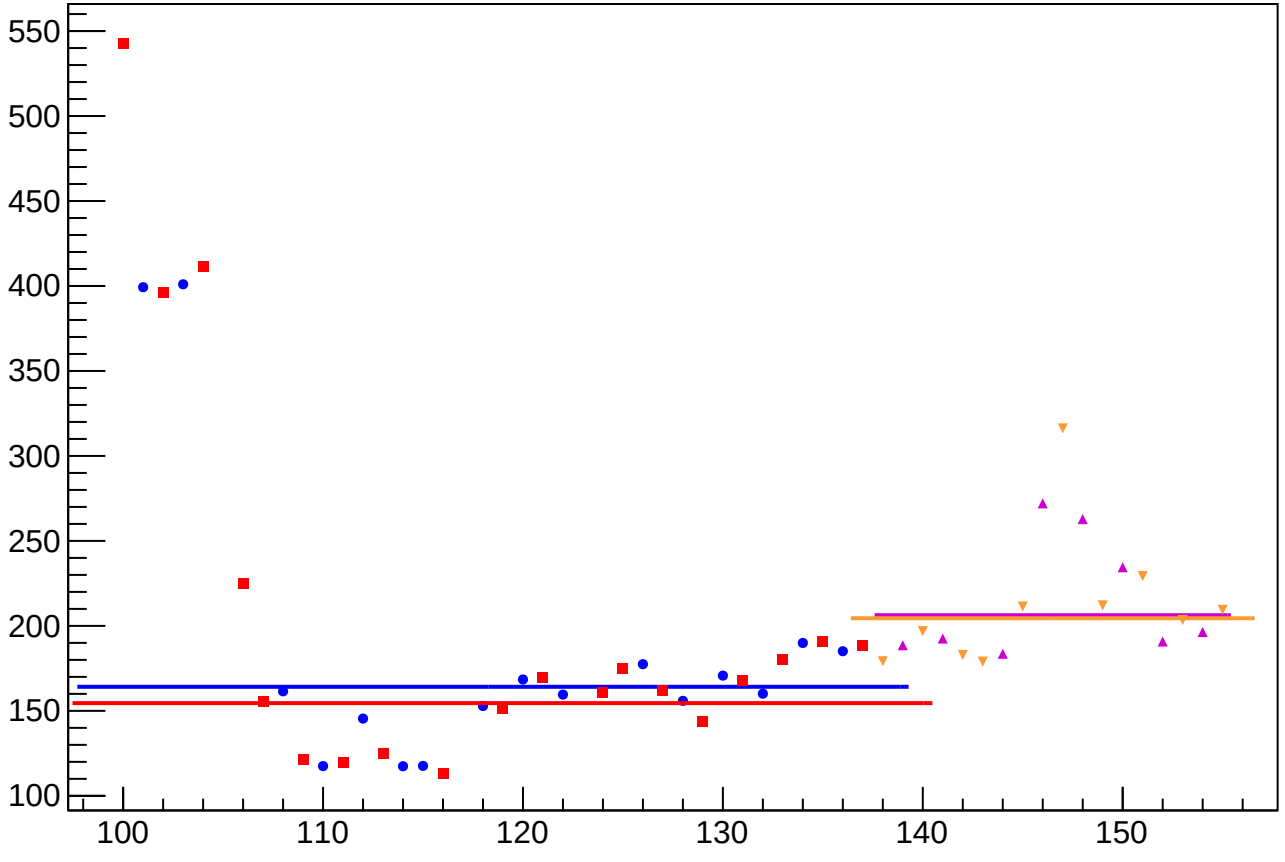
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143701.391+/-0.050 χ^2/NDF:570298155.9/23

Out: 143574.845+/-0.047 χ^2/NDF:795345138.1/28

All: 143633.920+/-0.034 χ^2/NDF: 13690037

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 204.493+/-0.053 χ^2/NDF:304314.6/9

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 206.280+/-0.056 χ^2/NDF:268491.3/7

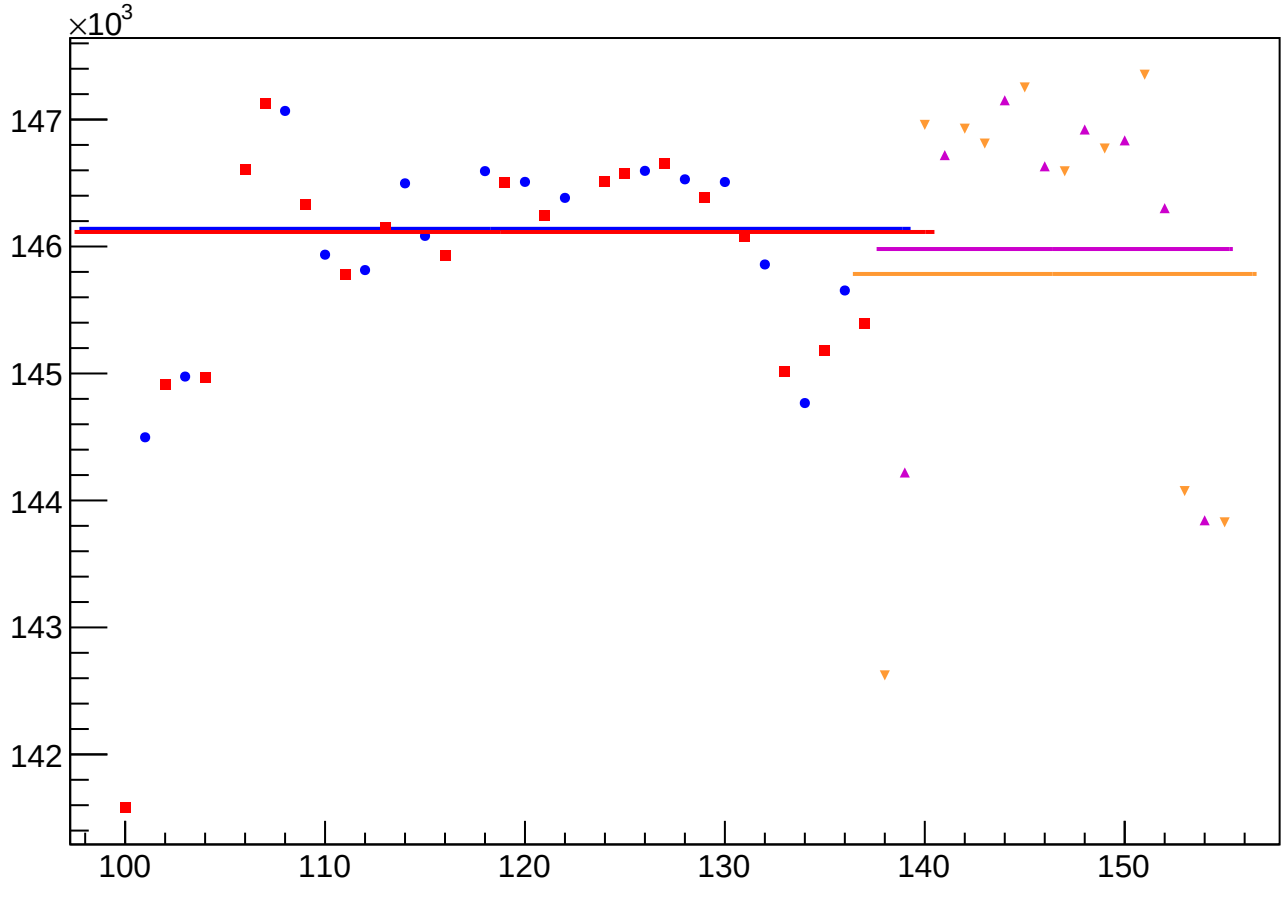
Left: 205.333+/-0.039 χ^2/NDF: 573339.5/17

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 181.019+/-0.036 χ^2/NDF:1733360.6/23

Out: 174.299+/-0.033 χ^2/NDF:2207022.2/28

All: 177.436+/-0.024 χ^2/NDF: 3959336.9/52



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145783.862+/-0.074 χ^2/NDF:535815622.7/9

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 145980.212+/-0.079 χ^2/NDF:256448181.9/7

Left: 145875.454+/-0.054 χ^2/NDF: 795552582.7/17

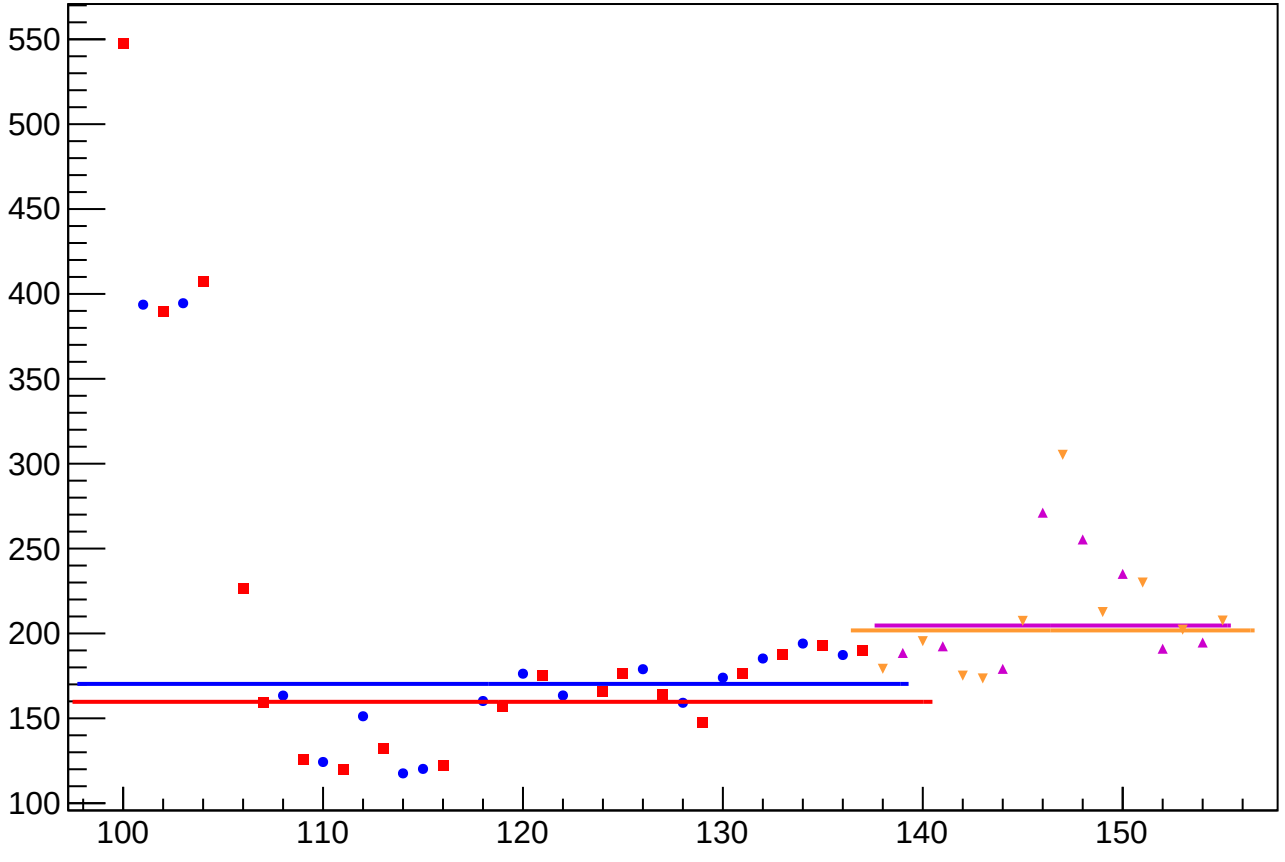
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146072.339+/-0.051 χ^2/NDF:330512449.3/23

Out: 145976.756+/-0.048 χ^2/NDF:620579386.6/28

All: 146021.107+/-0.035 χ^2/NDF: 95295033

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 201.785+/-0.052 χ^2/NDF:306593.3/9

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 204.668+/-0.056 χ^2/NDF:265806.0/7

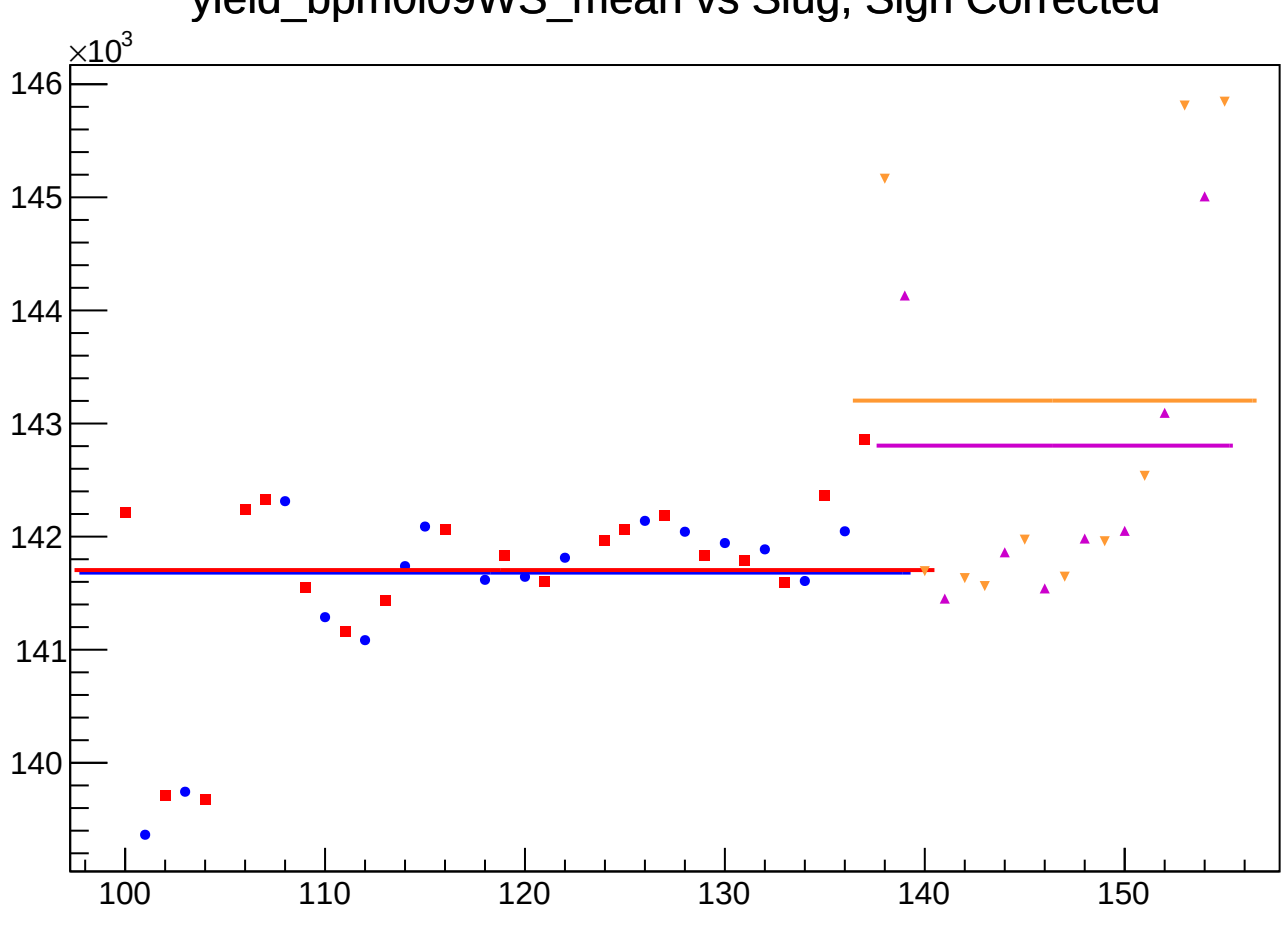
Left: 203.130+/-0.038 χ^2/NDF: 573817.7/17

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 184.746+/-0.036 χ^2/NDF:1542526.9/23

Out: 177.244+/-0.034 χ^2/NDF:1975417.9/28

All: 180.725+/-0.025 χ^2/NDF: 3540875.4/52



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143202.648+/-0.079 χ^2/NDF:516960432.2/9

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 142804.557+/-0.084 χ^2/NDF:228310166.8/7

Left: 143015.310+/-0.057 χ^2/NDF: 757228252.9/17

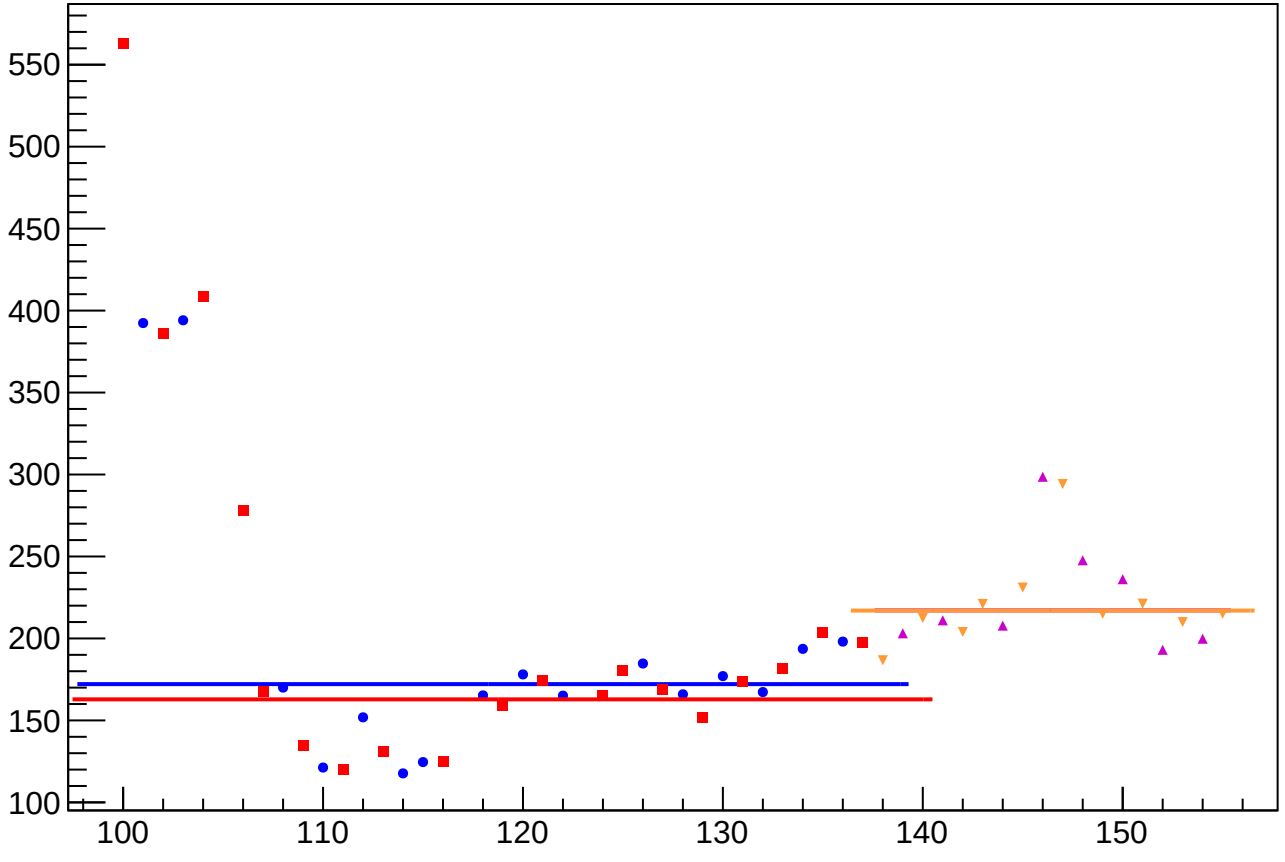
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142129.962+/-0.053 χ^2/NDF:400547589.4/23

Out: 142295.872+/-0.050 χ^2/NDF:800350681.8/28

All: 142218.241+/-0.036 χ^2/NDF: 12061282

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 217.006+/-0.056 χ^2/NDF:166519.8/9

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 217.116+/-0.059 χ^2/NDF:217012.5/7

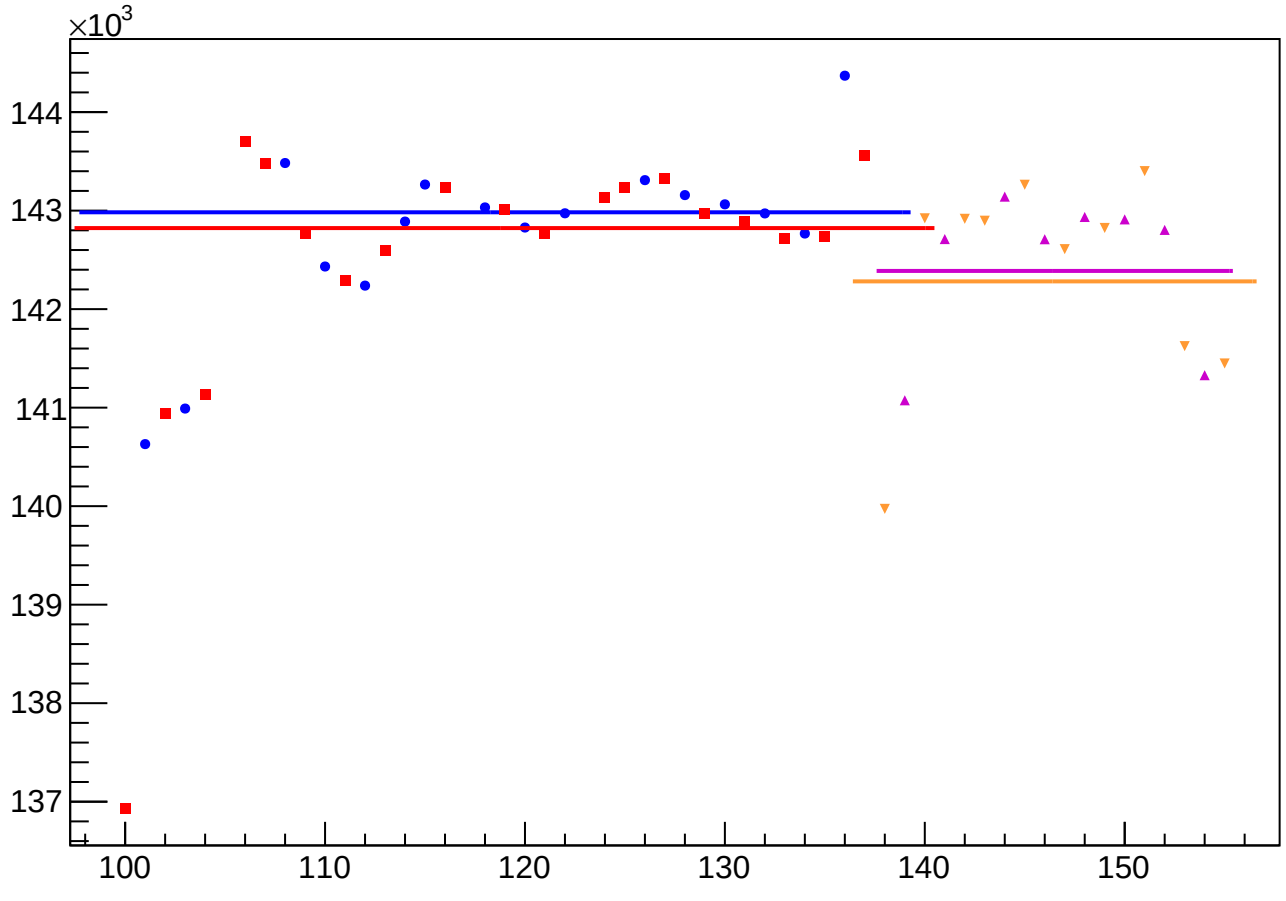
Left: 217.058+/-0.041 χ^2/NDF: 383534.1/17

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 190.091+/-0.037 χ^2/NDF:1632077.1/23

Out: 184.231+/-0.035 χ^2/NDF:2041617.2/28

All: 186.973+/-0.026 χ^2/NDF: 3686743.3/52



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142281.720+/-0.073 χ^2/NDF:227411898.6/9

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142387.777+/-0.077 χ^2/NDF:102412942.7/7

Left: 142331.258+/-0.053 χ^2/NDF: 330822993.4/17

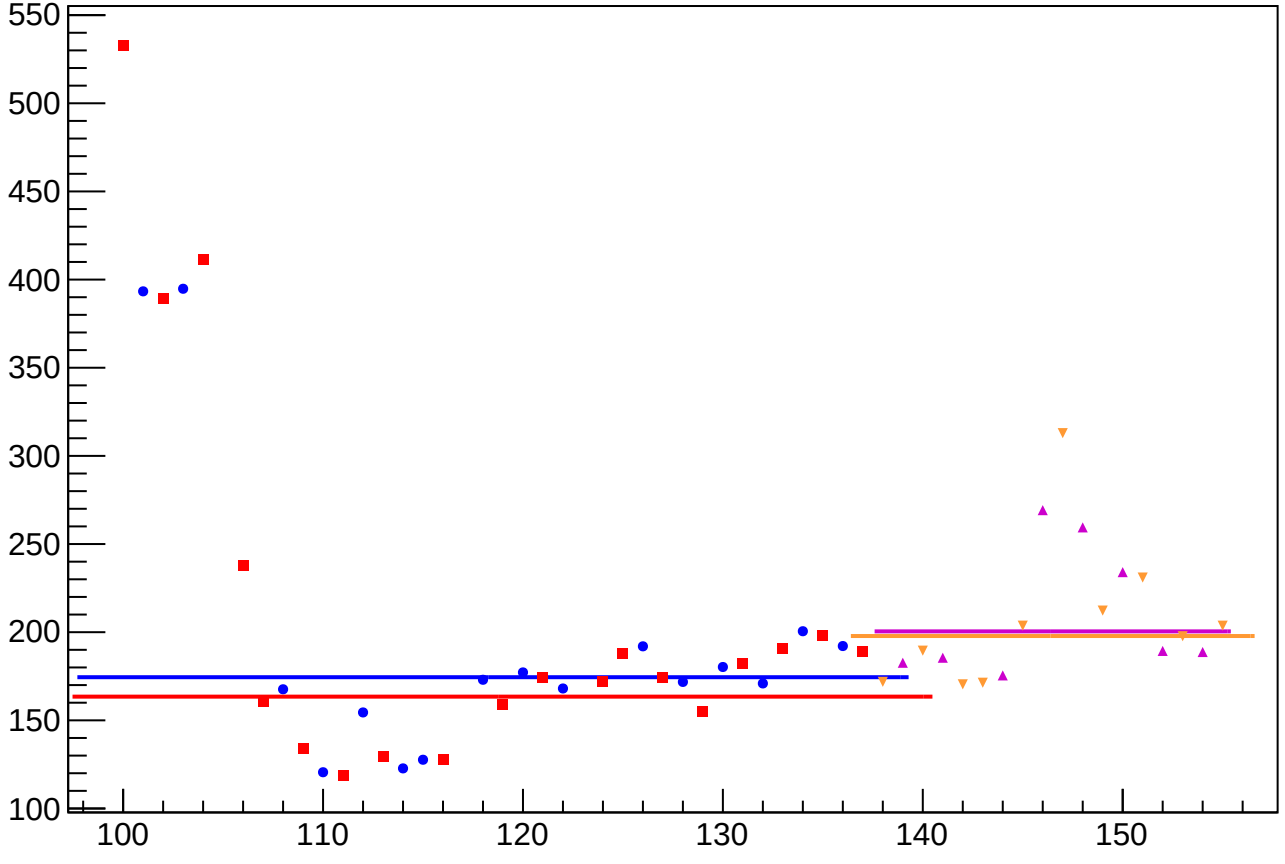
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142719.320+/-0.052 χ^2/NDF:242970358.8/23

Out: 142585.835+/-0.048 χ^2/NDF:322250760.9/28

All: 142647.798+/-0.035 χ^2/NDF: 56880973

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 197.823+/-0.051 χ^2/NDF:363035.1/9

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 200.462+/-0.055 χ^2/NDF:308832.8/7

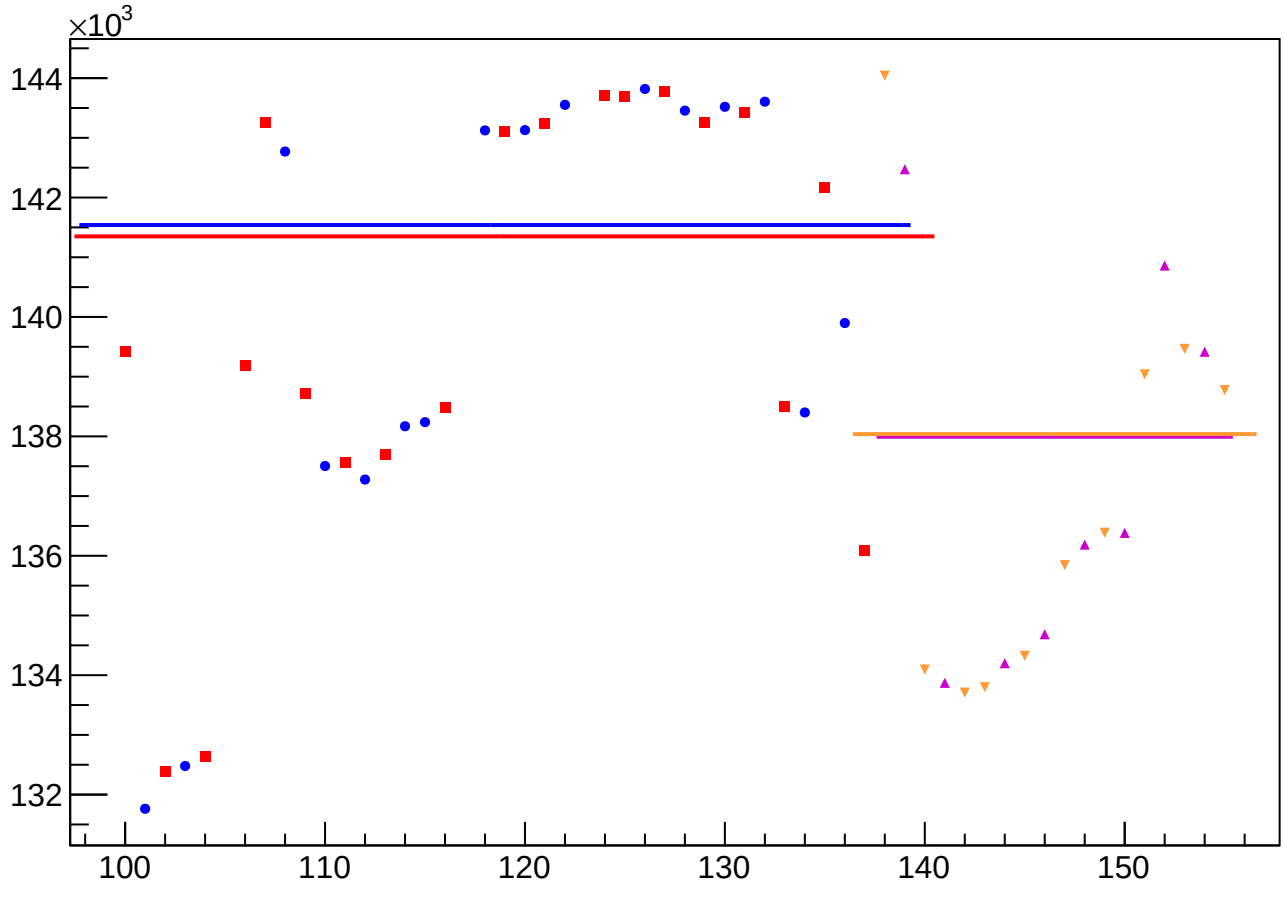
Left: 199.056+/-0.037 χ^2/NDF: 673104.0/17

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 185.983+/-0.036 χ^2/NDF:1483313.7/23

Out: 178.500+/-0.034 χ^2/NDF:1897915.4/28

All: 181.974+/-0.025 χ^2/NDF: 3403783.5/52



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138038.383+/-0.114 χ^2/NDF:1101534683.8/9

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 137993.524+/-0.122 χ^2/NDF:752584860.2/7

Left: 138017.421+/-0.083 χ^2/NDF: 1854191461.5/1

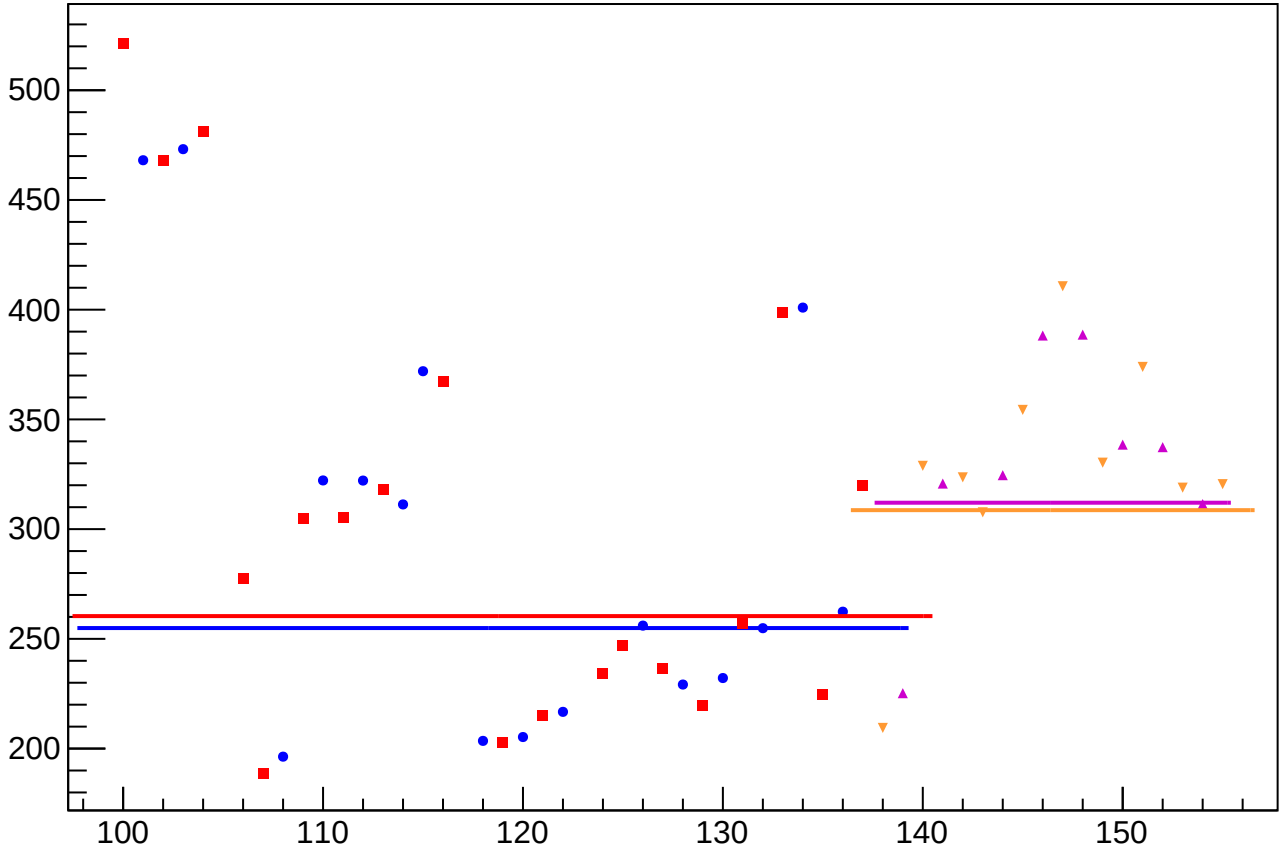
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140101.975+/-0.078 χ^2/NDF:2201890992.6/23

Out: 139897.501+/-0.076 χ^2/NDF:2498985624.1/2

All: 139997.055+/-0.054 χ^2/NDF: 47044267

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 308.647+/-0.081 χ^2/NDF:531779.1/9

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 312.037+/-0.086 χ^2/NDF:390848.8/7

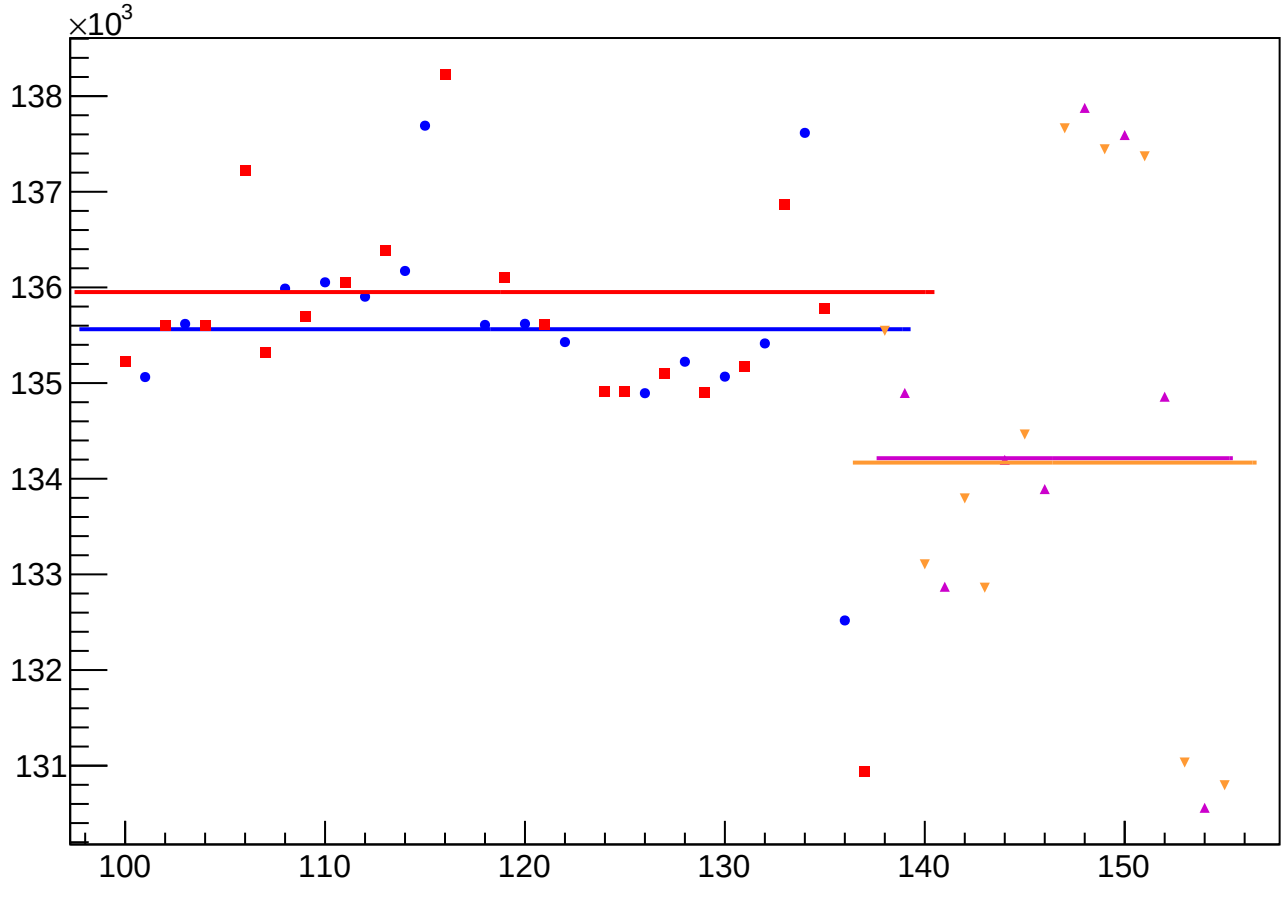
Left: 310.231+/-0.059 χ^2/NDF: 923449.4/17

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 278.074+/-0.055 χ^2/NDF:1601076.4/23

Out: 281.540+/-0.054 χ^2/NDF:1725255.3/28

All: 279.852+/-0.038 χ^2/NDF: 3328371.3/52



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134168.705+/-0.088 χ^2/NDF:479416983.6/9

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134214.501+/-0.096 χ^2/NDF:315917437.0/7

Left: 134189.536+/-0.065 χ^2/NDF: 795457462.5/17

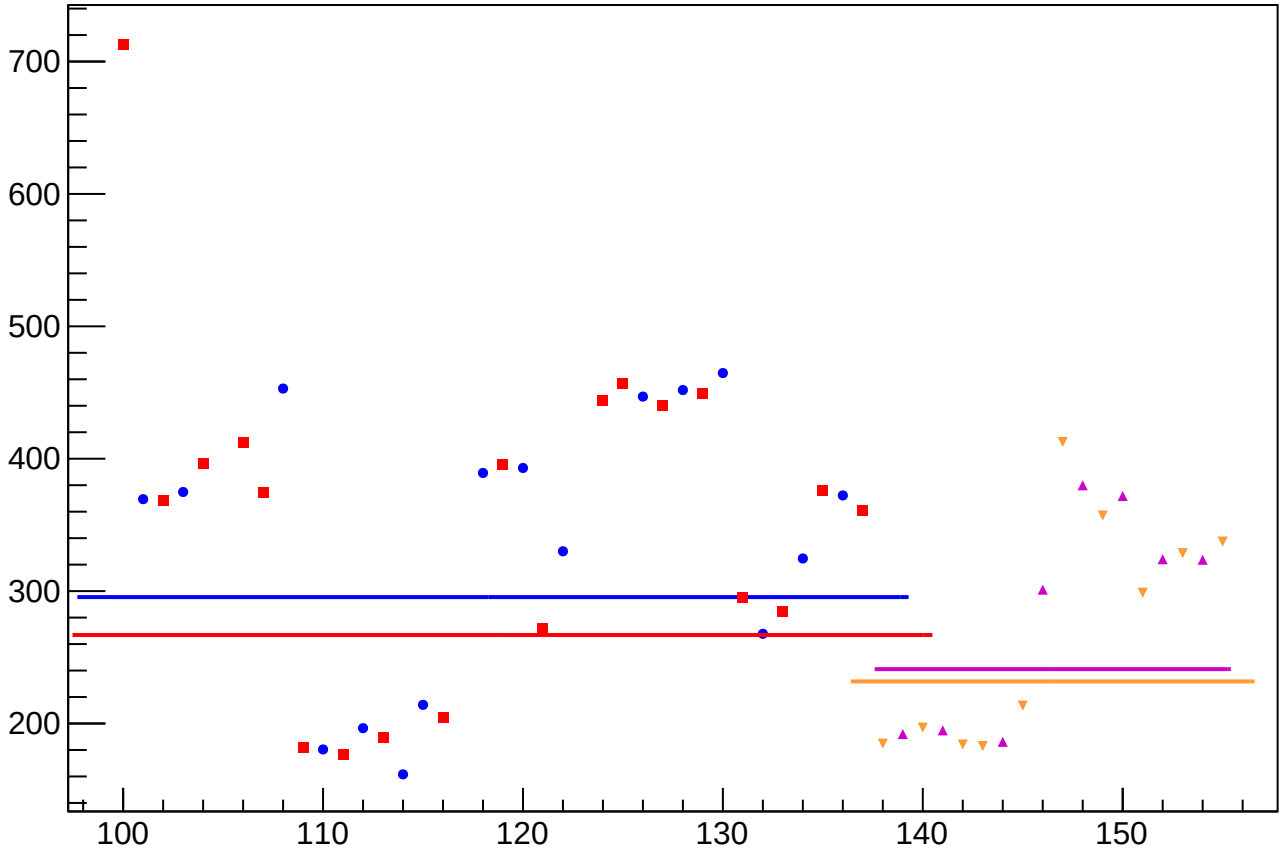
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134752.306+/-0.075 χ^2/NDF:488140825.1/23

Out: 134893.741+/-0.068 χ^2/NDF:737708390.3/28

All: 134829.870+/-0.050 χ^2/NDF: 12278130

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 231.789+/-0.062 χ^2/NDF:1220746.1/9

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 241.071+/-0.068 χ^2/NDF:1086075.6/7

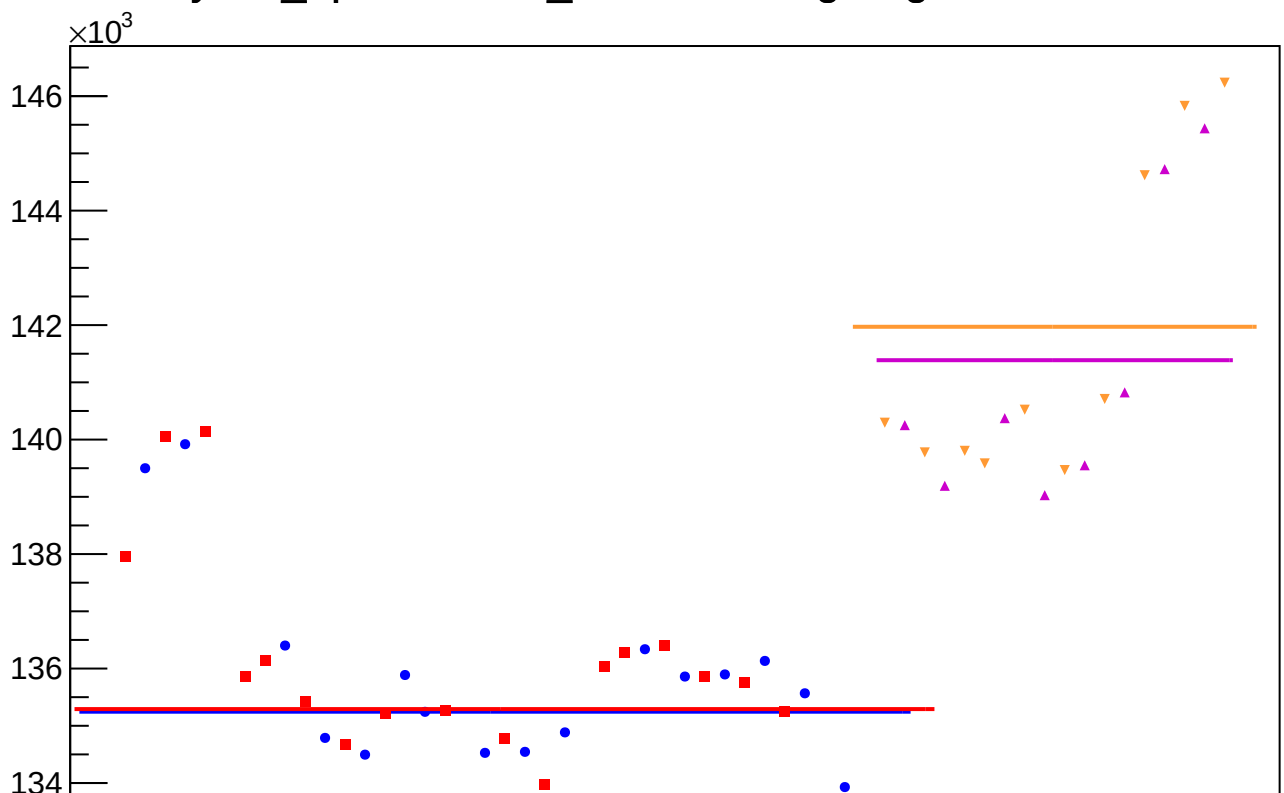
Left: 236.011+/-0.046 χ^2/NDF: 2316931.2/17

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 262.770+/-0.053 χ^2/NDF:2782734.9/23

Out: 246.053+/-0.048 χ^2/NDF:3027884.8/28

All: 253.602+/-0.036 χ^2/NDF: 5865484.6/52



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 141970.737+/-0.069 χ^2/NDF:1550885540.3/9

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 141386.900+/-0.076 χ^2/NDF:997727305.5/7

Left: 141709.627+/-0.051 χ^2/NDF: 2580983513.2/1

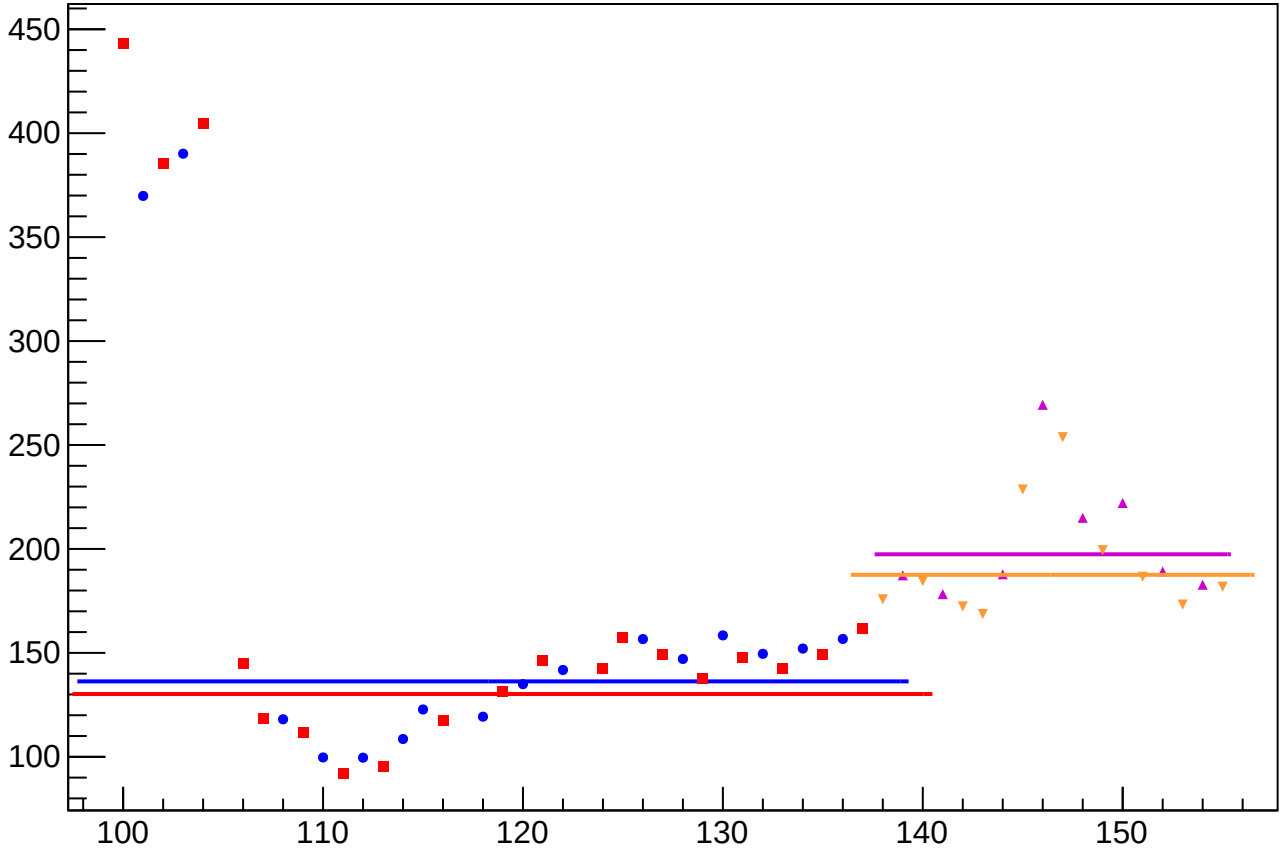
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 137332.214+/-0.044 χ^2/NDF:5663661779.4/23

Out: 137713.052+/-0.041 χ^2/NDF:7970981473.9/2

All: 137536.589+/-0.030 χ^2/NDF: 13674007

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 187.551+/-0.049 χ^2/NDF:208609.3/9

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 197.421+/-0.054 χ^2/NDF:195661.2/7

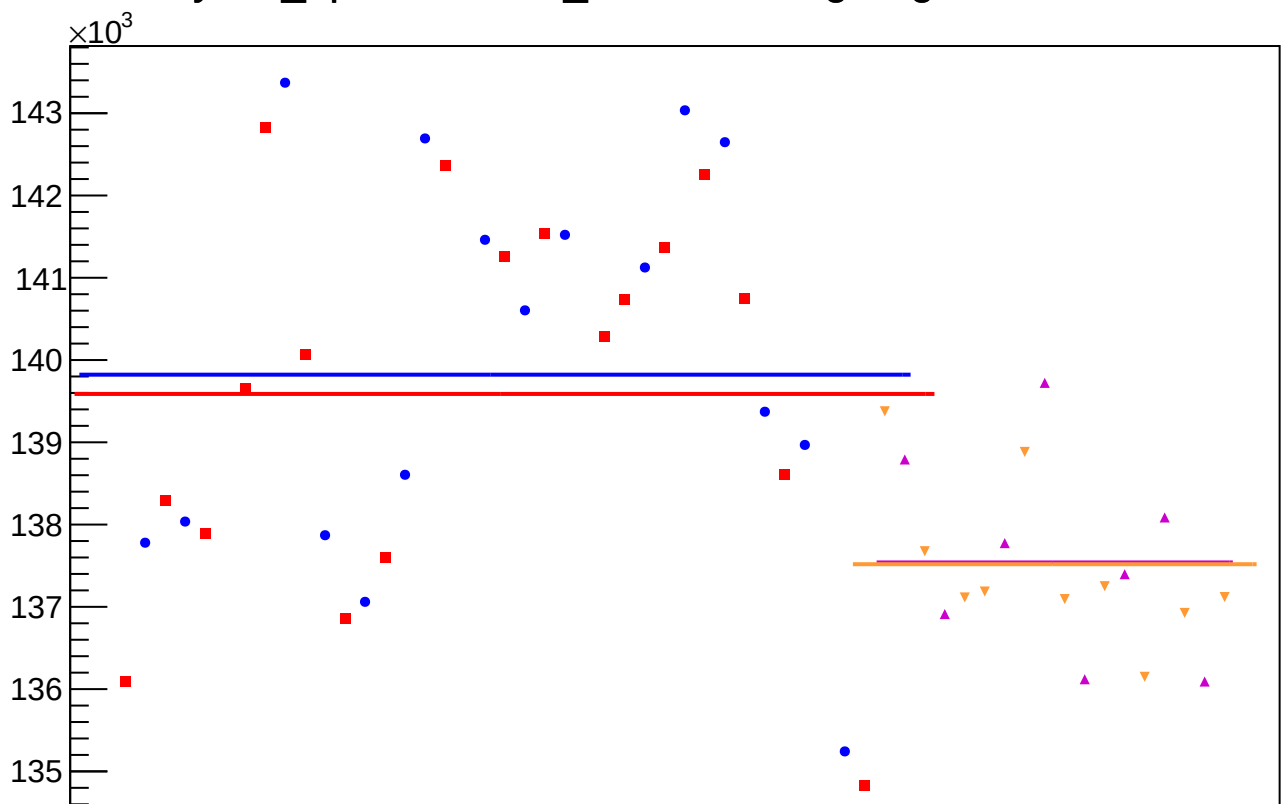
Left: 191.965+/-0.036 χ^2/NDF: 422771.9/17

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 157.053+/-0.031 χ^2/NDF:2427716.8/23

Out: 150.995+/-0.029 χ^2/NDF:2619752.5/28

All: 153.802+/-0.021 χ^2/NDF: 5067391.4/52



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137518.069+/-0.070 χ^2/NDF:178984909.3/9

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137539.703+/-0.077 χ^2/NDF:197875466.7/7

Left: 137527.944+/-0.052 χ^2/NDF: 376903396.8/17

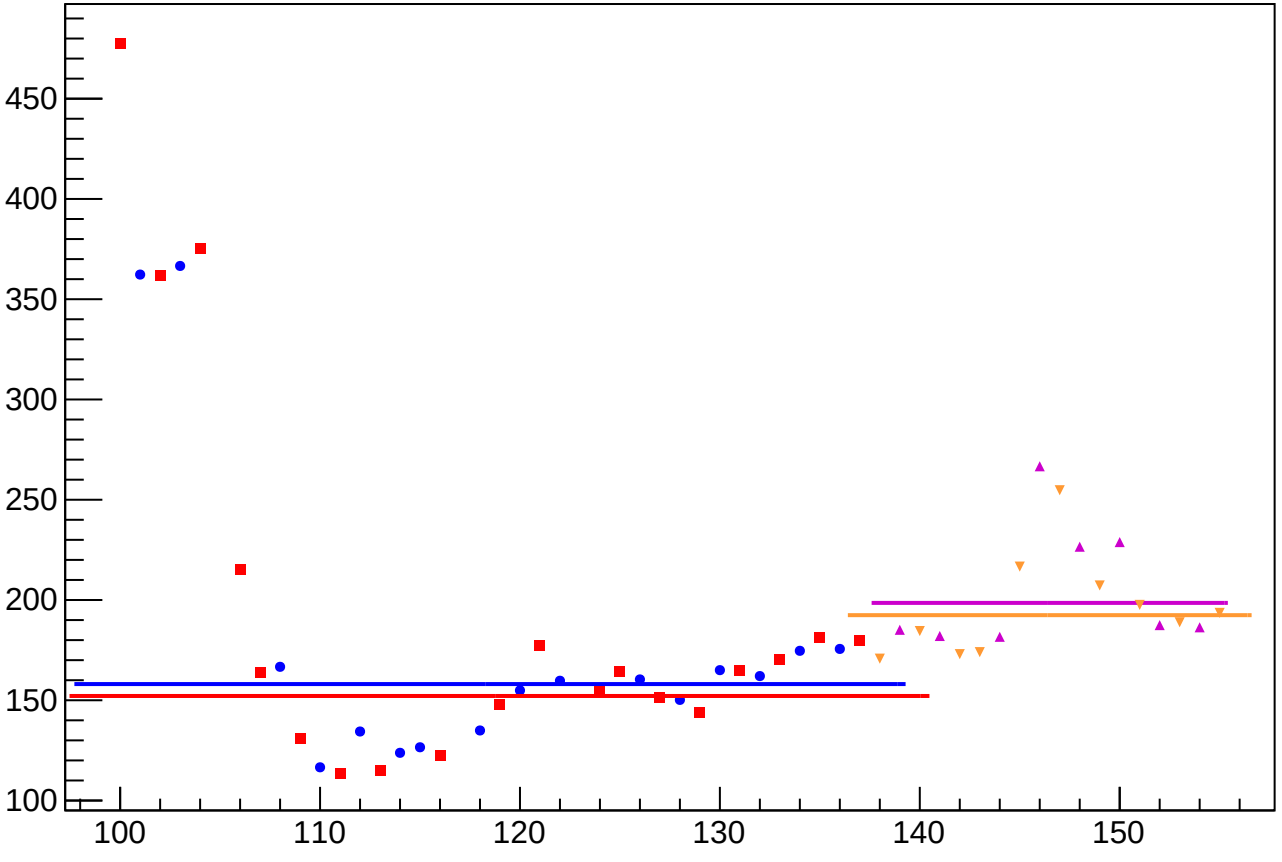
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138912.555+/-0.049 χ^2/NDF:2391159451.1/23

Out: 138722.602+/-0.046 χ^2/NDF:2163974098.7/2

All: 138811.568+/-0.033 χ^2/NDF: 456327400

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 192.440+/-0.050 χ^2/NDF:181291.3/9

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 198.558+/-0.054 χ^2/NDF:218922.8/7

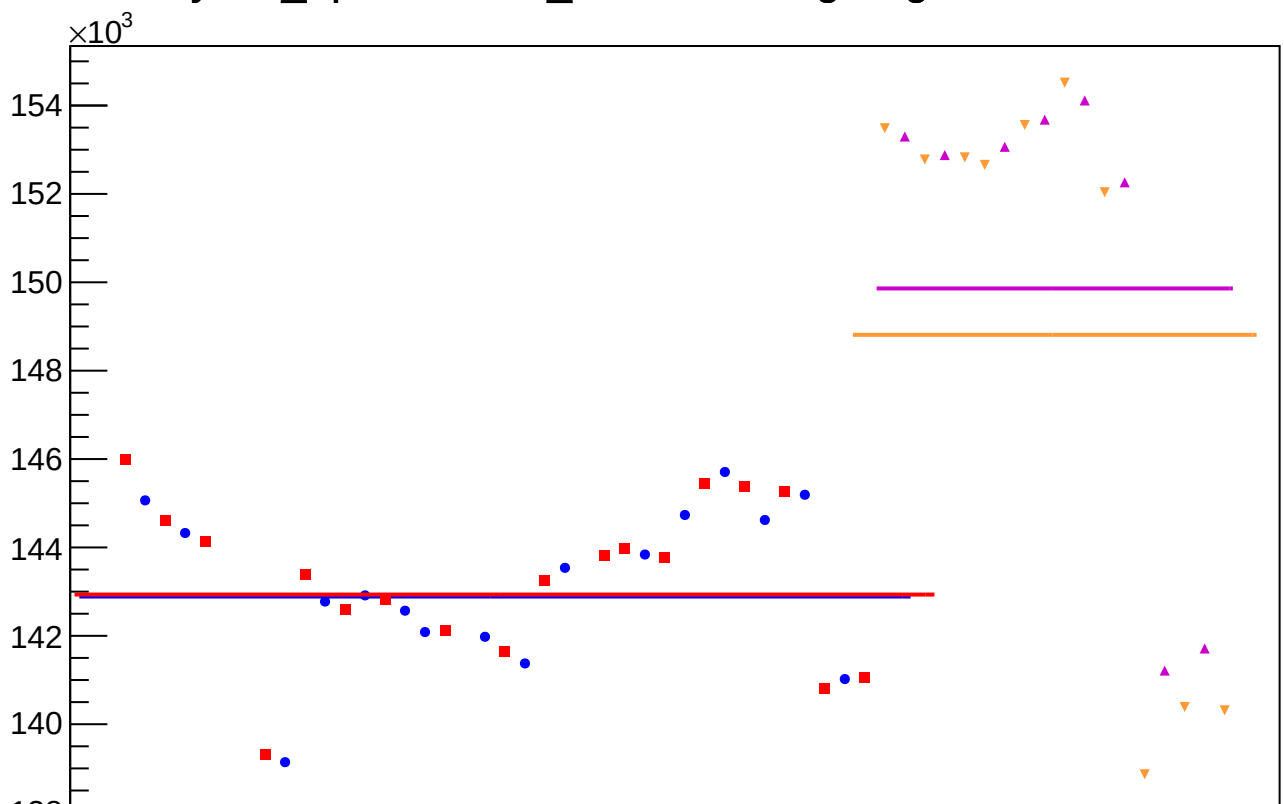
Left: 195.233+/-0.037 χ^2/NDF: 407095.7/17

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 174.211+/-0.034 χ^2/NDF:1570196.2/23

Out: 168.987+/-0.032 χ^2/NDF:1791020.9/28

All: 171.433+/-0.023 χ^2/NDF: 3373530.7/52



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 148811.219+/-0.071 χ^2/NDF:7585002467.4/9

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 149860.959+/-0.077 χ^2/NDF:4669539054.5/7

Left: 149292.553+/-0.052 χ^2/NDF: 12354715003.9

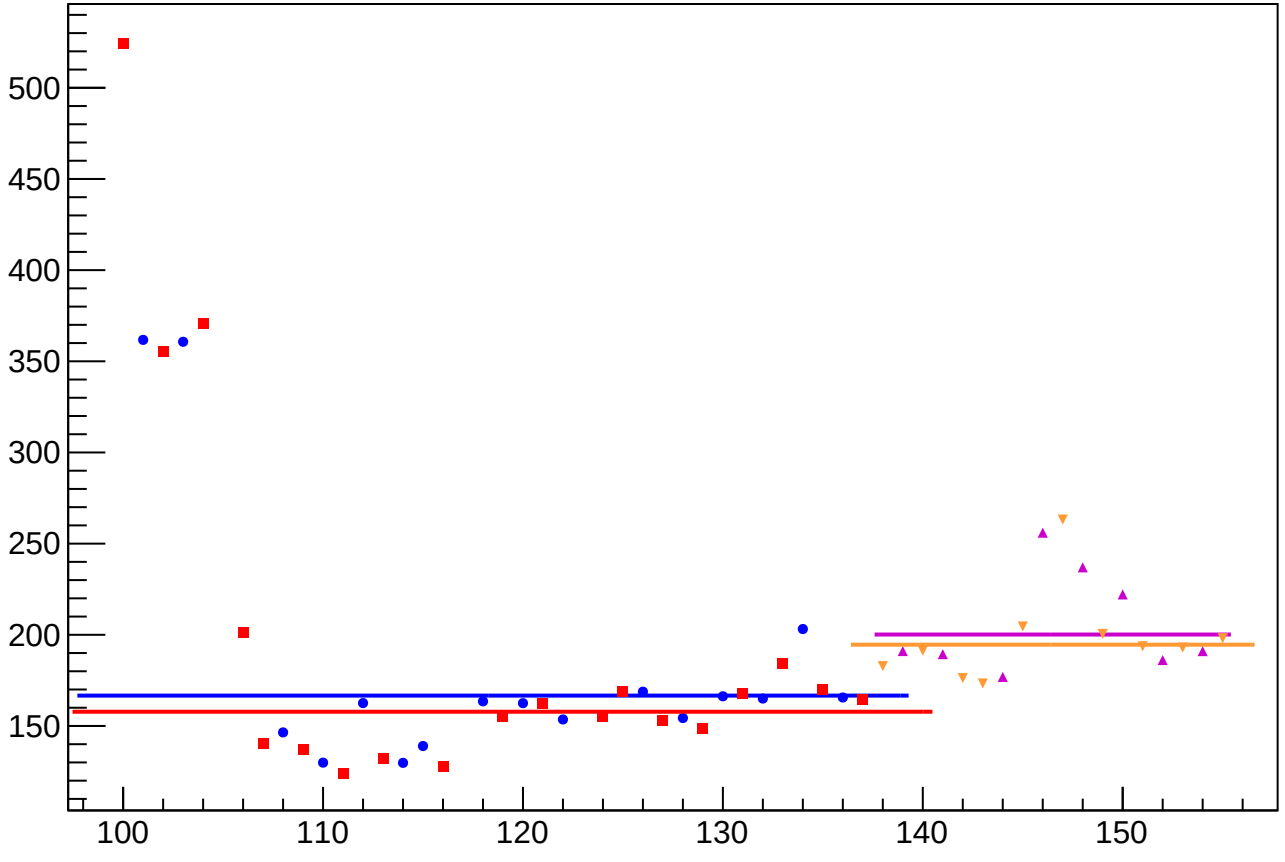
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 145817.917+/-0.050 χ^2/NDF:10164914315.9/2

Out: 145454.178+/-0.047 χ^2/NDF:12284046743.6

All: 145622.825+/-0.034 χ^2/NDF: 224773222

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 194.575+/-0.050 χ^2/NDF:156274.6/9

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 200.145+/-0.055 χ^2/NDF:192252.8/7

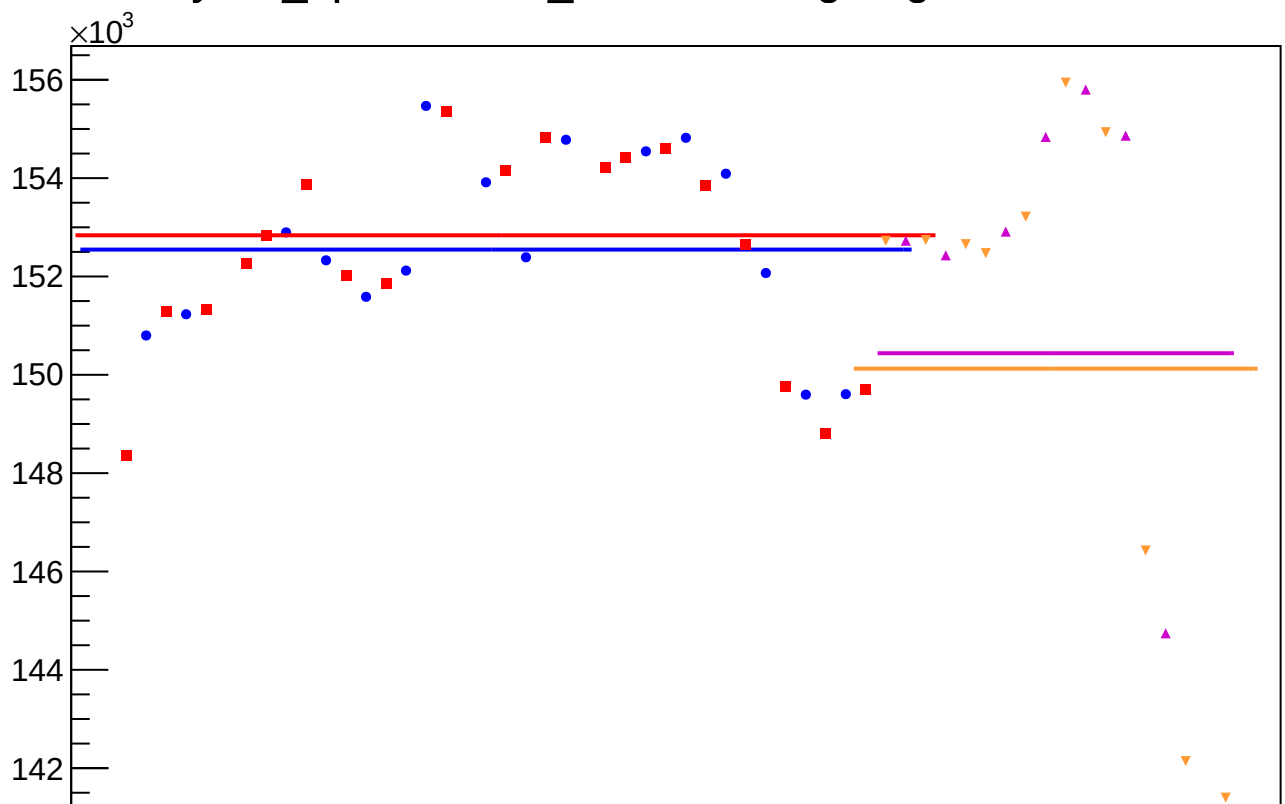
Left: 197.129+/-0.037 χ^2/NDF: 354169.1/17

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 180.724+/-0.035 χ^2/NDF:1274214.2/23

Out: 173.575+/-0.033 χ^2/NDF:1484749.6/28

All: 176.890+/-0.024 χ^2/NDF: 2780876.5/52



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 150125.550+/-0.071 χ^2/NDF:4712205437.7/9

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 150439.130+/-0.078 χ^2/NDF:4323777072.4/7

Left: 150268.888+/-0.052 χ^2/NDF: 9044847259.4/1

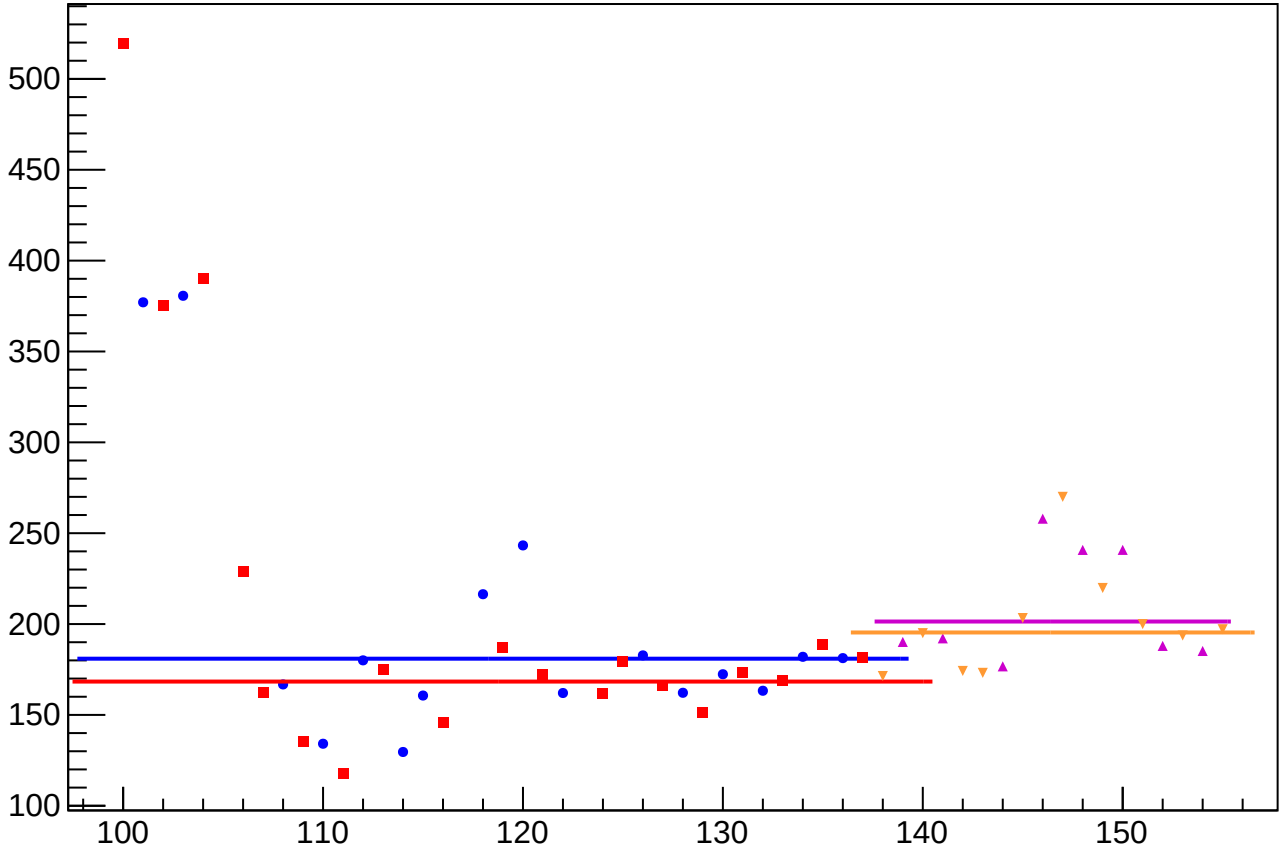
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 151562.912+/-0.053 χ^2/NDF:5371647151.7/23

Out: 151571.071+/-0.049 χ^2/NDF:6222375605.6/2

All: 151567.340+/-0.036 χ^2/NDF: 11594035

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 195.366+/-0.050 χ^2/NDF:217396.7/9

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 201.393+/-0.055 χ^2/NDF:241222.0/7

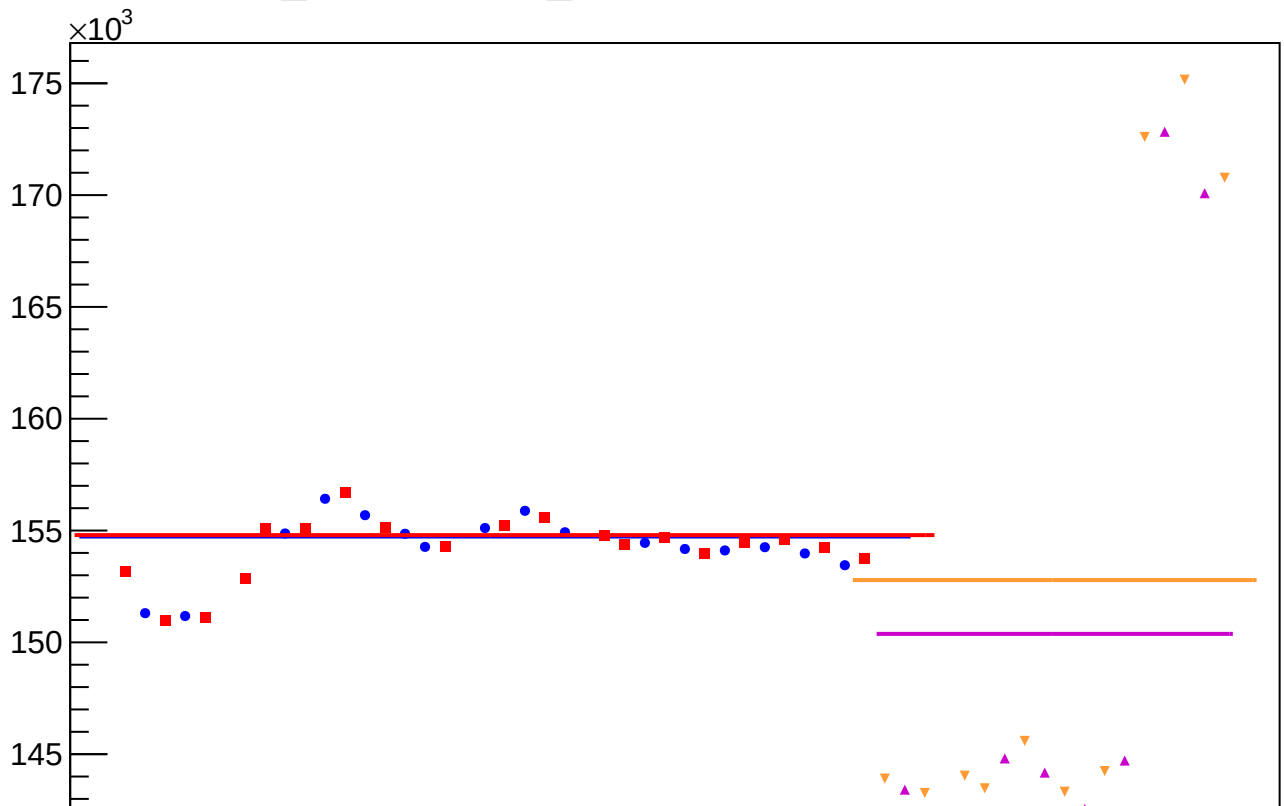
Left: 198.121+/-0.037 χ^2/NDF: 465167.2/17

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 190.487+/-0.037 χ^2/NDF:1223061.2/23

Out: 180.968+/-0.034 χ^2/NDF:1459928.6/28

All: 185.320+/-0.025 χ^2/NDF: 2717983.0/52



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 152784.740+/-0.065 χ^2/NDF:42616932100.1/9

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 150379.508+/-0.071 χ^2/NDF:29030510094.4/7

Left: 151678.611+/-0.048 χ^2/NDF: 72275141537.1

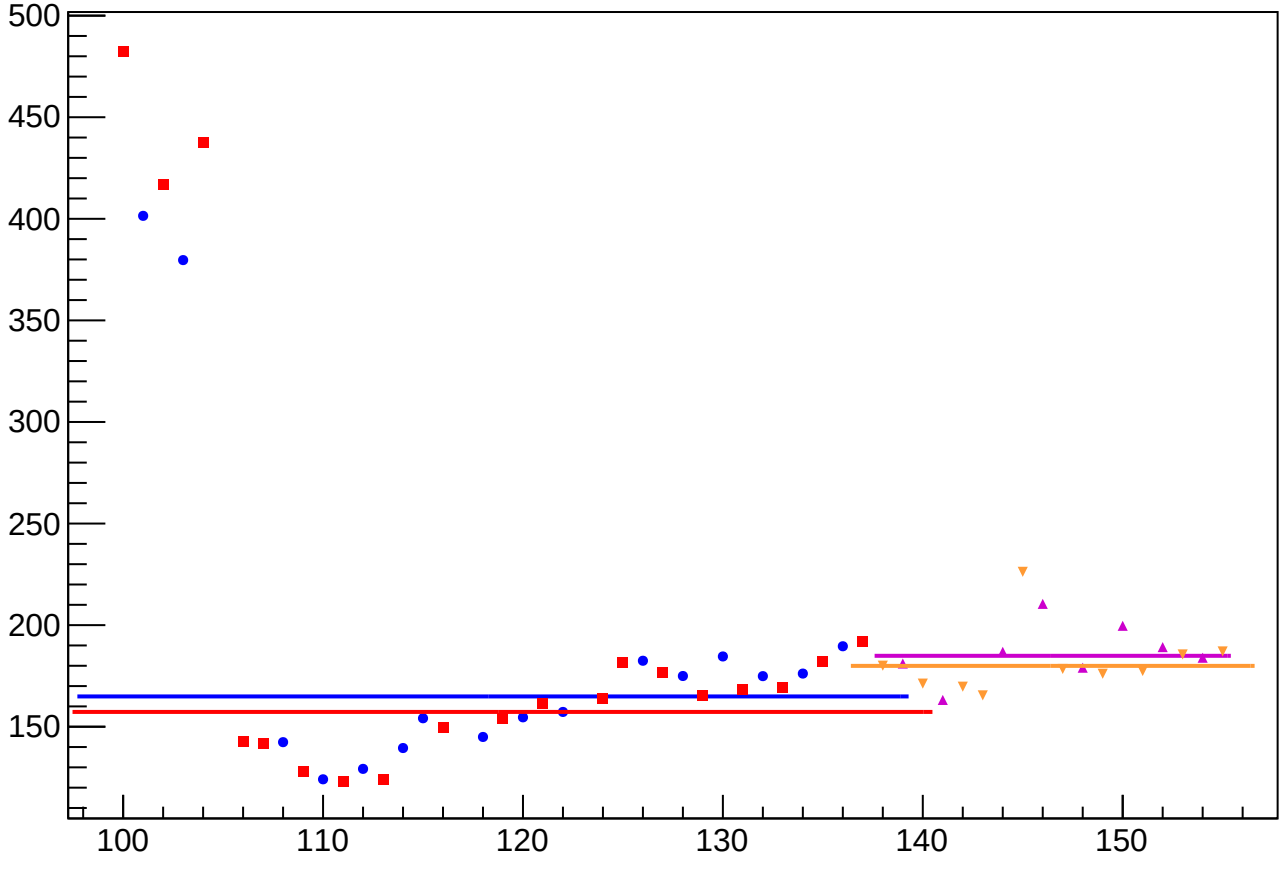
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 152727.942+/-0.048 χ^2/NDF:31358887825.0/2

Out: 153854.628+/-0.045 χ^2/NDF:43428716732.6

All: 153331.996+/-0.033 χ^2/NDF: 75084442

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 179.948+/-0.046 χ^2/NDF:92133.5/9

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 184.904+/-0.050 χ^2/NDF:70098.0/7

Left: 182.227+/-0.034 χ^2/NDF: 167562.4/17

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 174.117+/-0.034 χ^2/NDF:1229499.1/23

Out: 167.891+/-0.031 χ^2/NDF:1475913.3/28

All: 170.779+/-0.023 χ^2/NDF: 2723543.3/52

Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 151005.372+/-0.065 χ^2/NDF:45750028787.6/9

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 149057.610+/-0.070 χ^2/NDF:32198305198.3/7

Left: 150109.274+/-0.047 χ^2/NDF: 78367789001.2

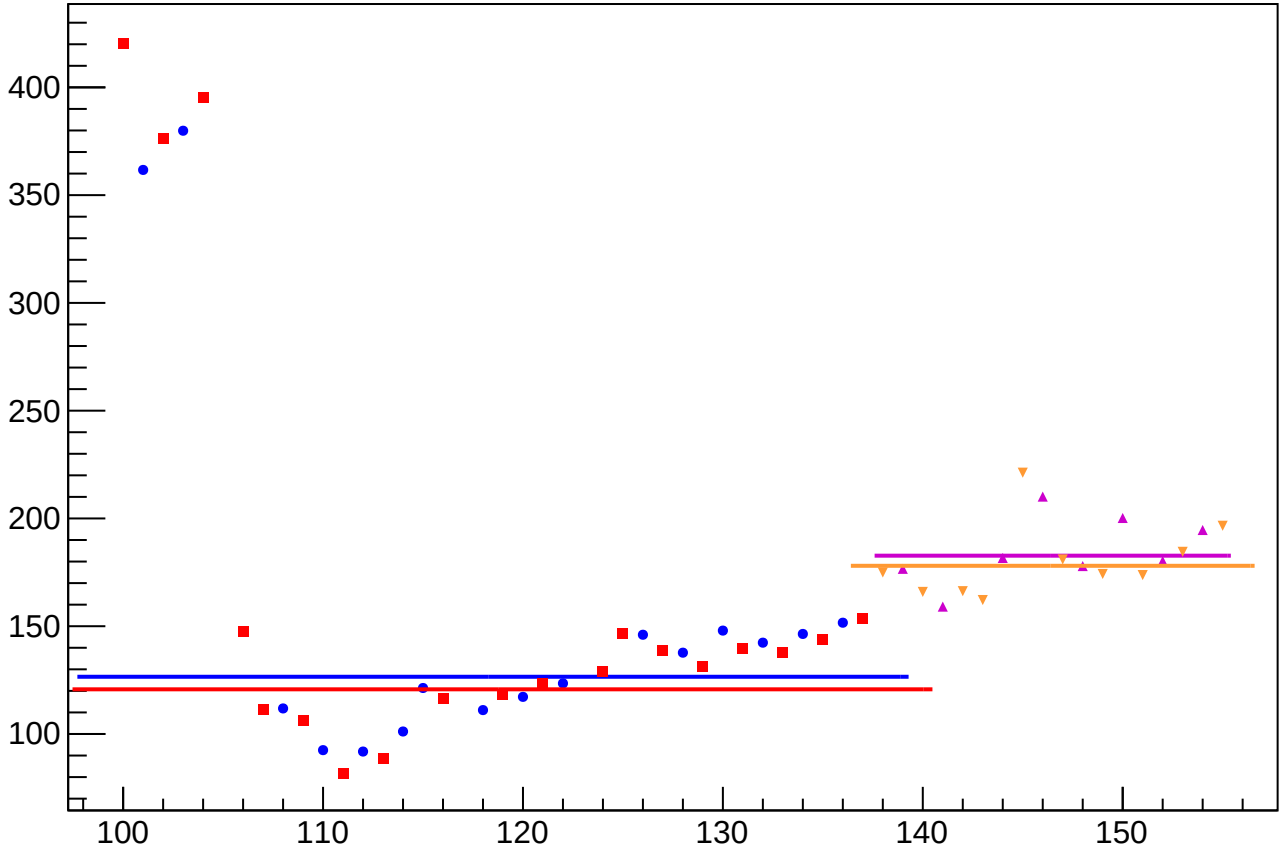
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 139389.997+/-0.041 χ^2/NDF:62603633479.7/2

Out: 140181.843+/-0.038 χ^2/NDF:90680945354.8

All: 139811.840+/-0.028 χ^2/NDF: 15348228

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 178.031+/-0.046 χ^2/NDF:108303.6/9

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 182.728+/-0.049 χ^2/NDF:91608.8/7

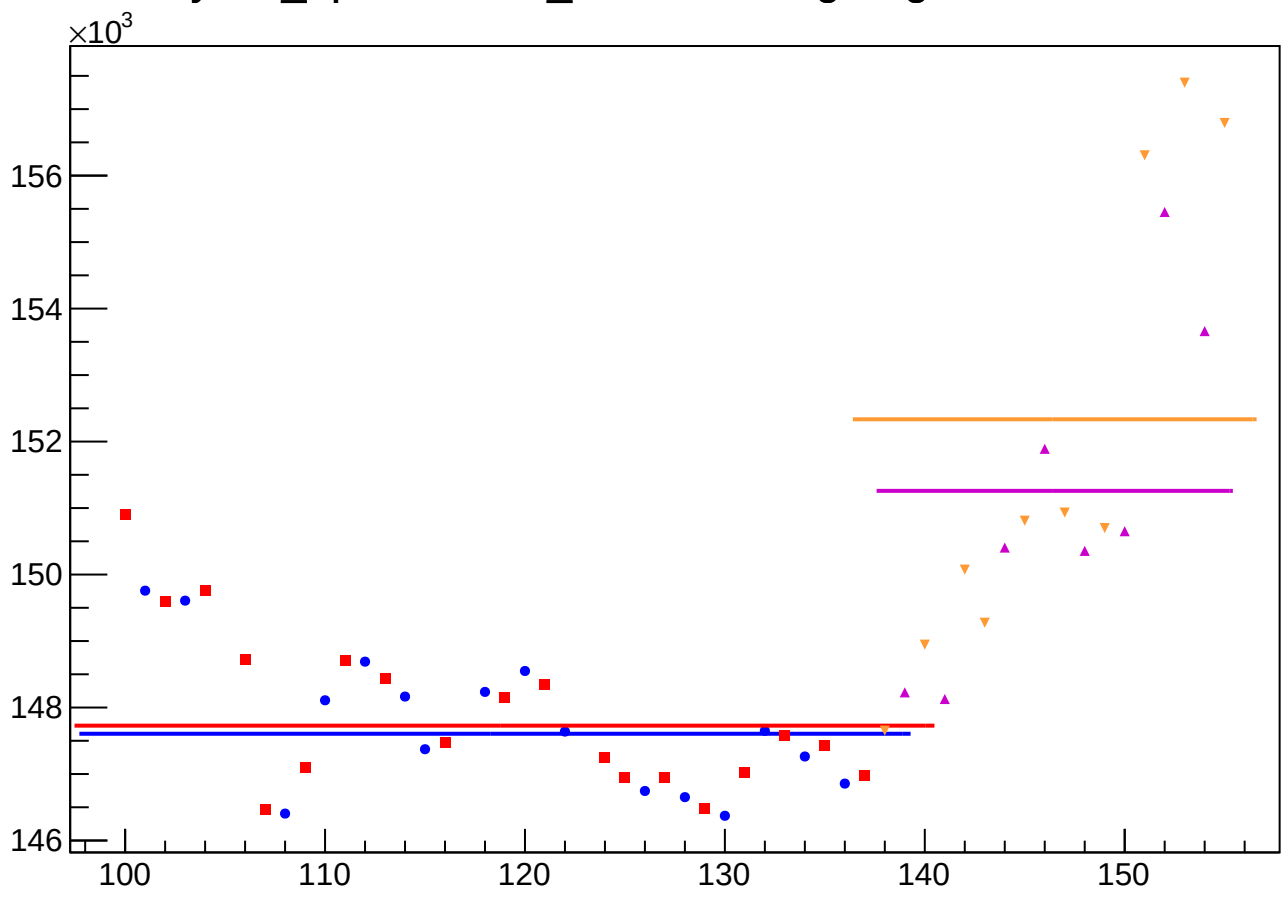
Left: 180.192+/-0.034 χ^2/NDF: 204789.6/17

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 145.986+/-0.029 χ^2/NDF:2414344.1/23

Out: 141.132+/-0.027 χ^2/NDF:2757402.9/28

All: 143.400+/-0.020 χ^2/NDF: 5186605.0/52



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 152335.101+/-0.075 χ^2/NDF:2375992316.1/9

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 151258.744+/-0.082 χ^2/NDF:959904934.6/7

Left: 151845.604+/-0.055 χ^2/NDF: 3430773209.7/1

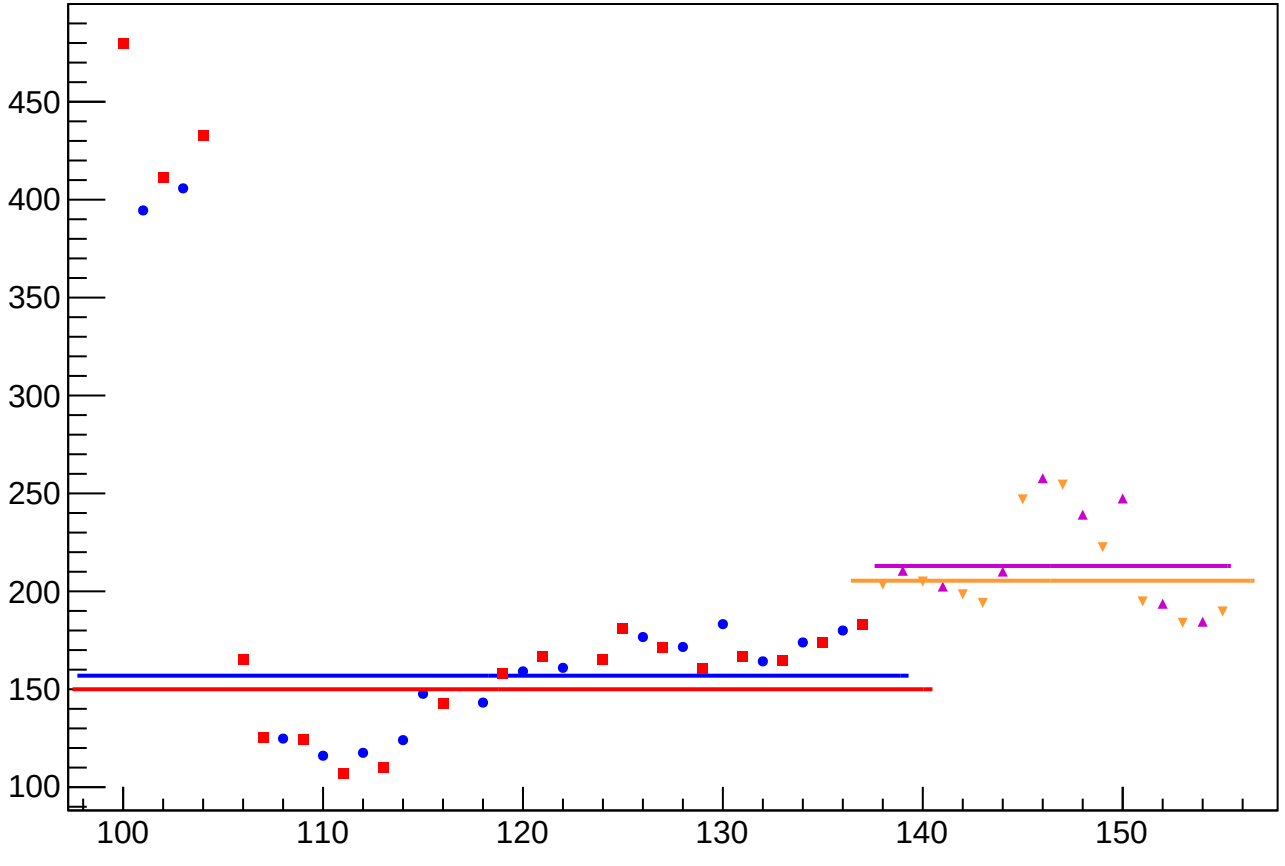
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 148955.705+/-0.050 χ^2/NDF:2424085312.0/23

Out: 149500.409+/-0.046 χ^2/NDF:4922701175.1/2

All: 149247.242+/-0.034 χ^2/NDF: 74113249

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 205.431+/-0.053 χ^2/NDF:160855.0/9

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 212.949+/-0.058 χ^2/NDF:170407.5/7

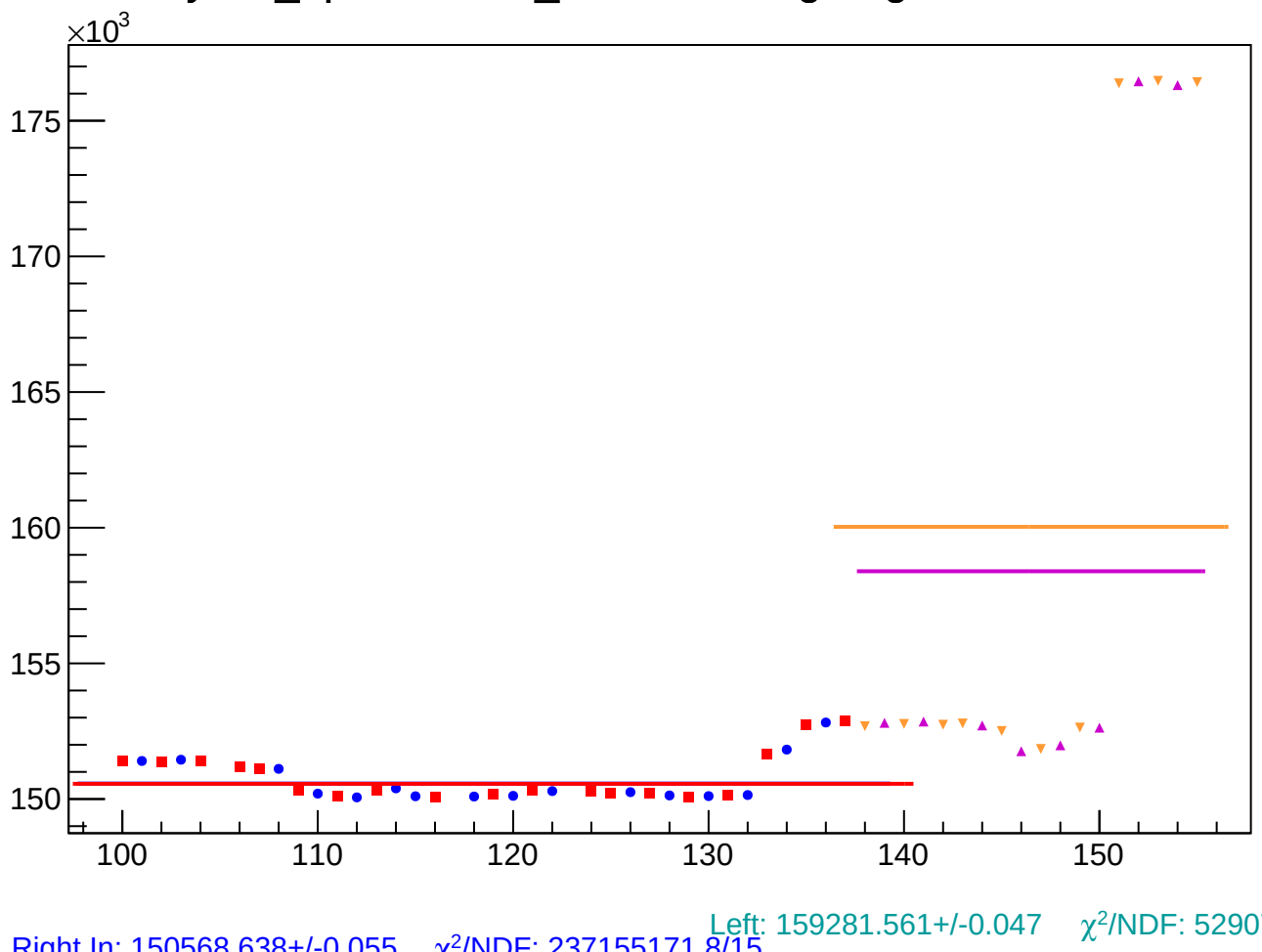
Left: 208.850+/-0.039 χ^2/NDF: 340518.6/17

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 177.631+/-0.035 χ^2/NDF:2030530.1/23

Out: 171.324+/-0.033 χ^2/NDF:2295747.4/28

All: 174.256+/-0.024 χ^2/NDF: 4343581.6/52



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 160031.129+/-0.064 χ^2/NDF:30337287476.6/9

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 158395.221+/-0.069 χ^2/NDF:22266247113.0/7

Left: 159281.561+/-0.047 χ^2/NDF: 52907021946.9

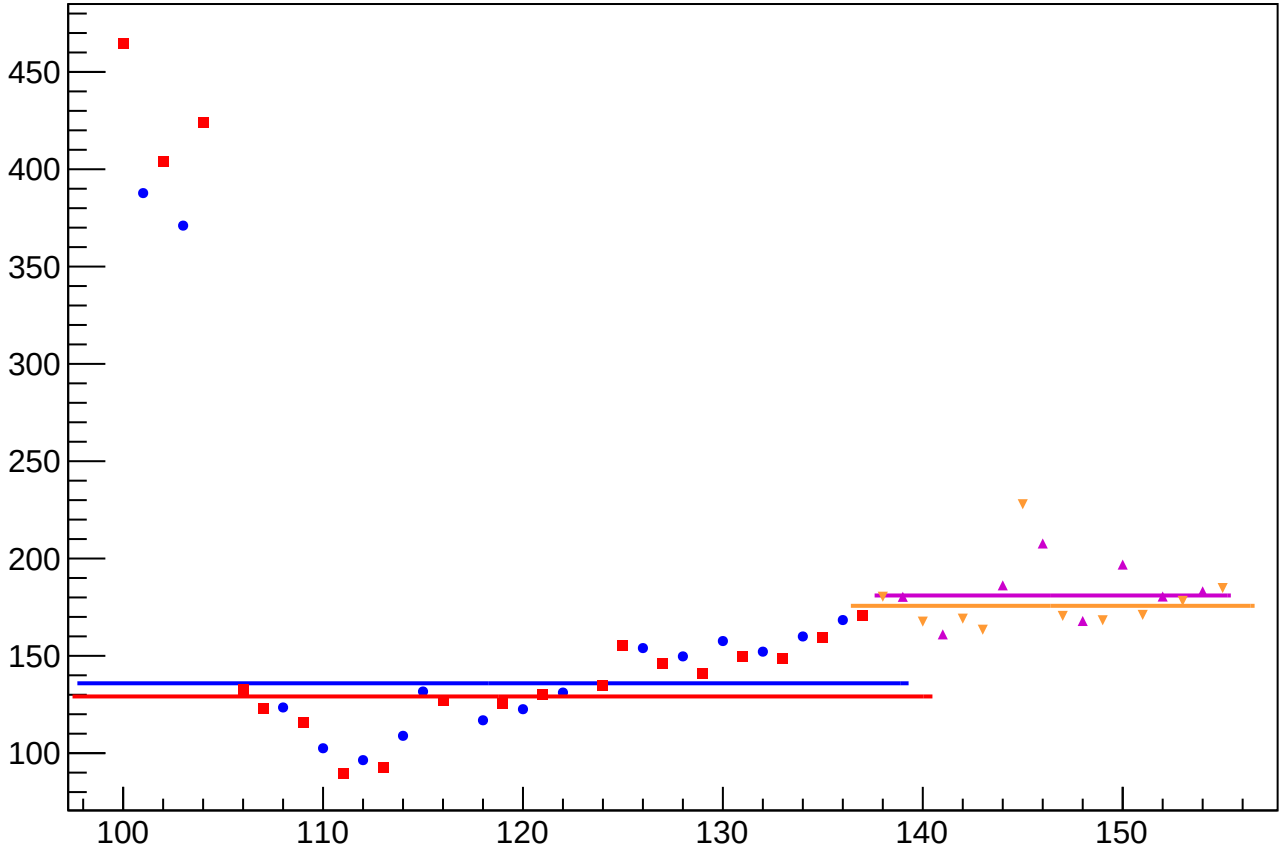
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 153576.540+/-0.043 χ^2/NDF:30397126419.4/2

Out: 154268.589+/-0.040 χ^2/NDF:44040299110.5

All: 153948.328+/-0.029 χ^2/NDF: 74577552

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 175.699+/-0.045 χ^2/NDF:109857.3/9

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 181.012+/-0.049 χ^2/NDF:78968.6/7

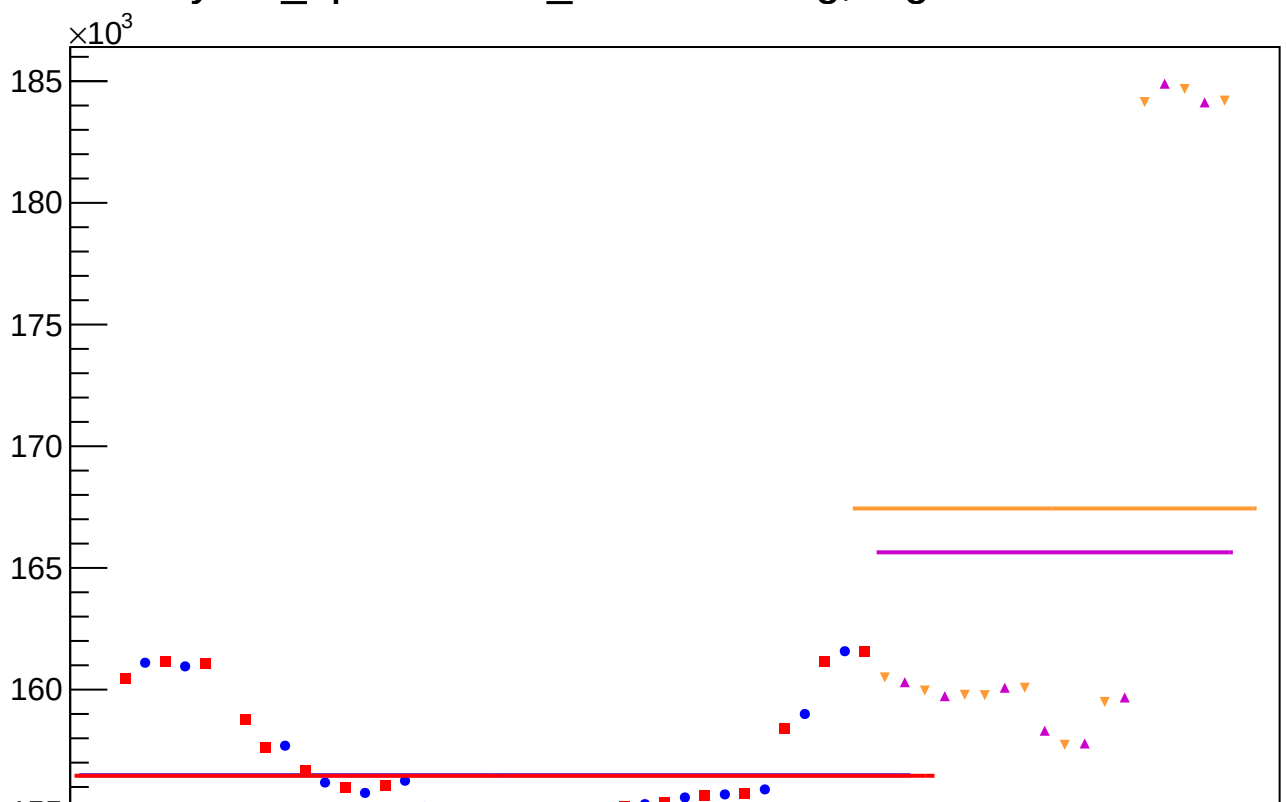
Left: 178.133+/-0.033 χ^2/NDF: 195228.3/17

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 153.235+/-0.030 χ^2/NDF:2019890.8/23

Out: 147.360+/-0.028 χ^2/NDF:2377397.0/28

All: 150.079+/-0.021 χ^2/NDF: 4417483.3/52



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 167442.363+/-0.066 χ^2/NDF:30785915356.5/9

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 165641.197+/-0.072 χ^2/NDF:23358609123.5/7

Left: 166615.703+/-0.048 χ^2/NDF: 54487077257.4

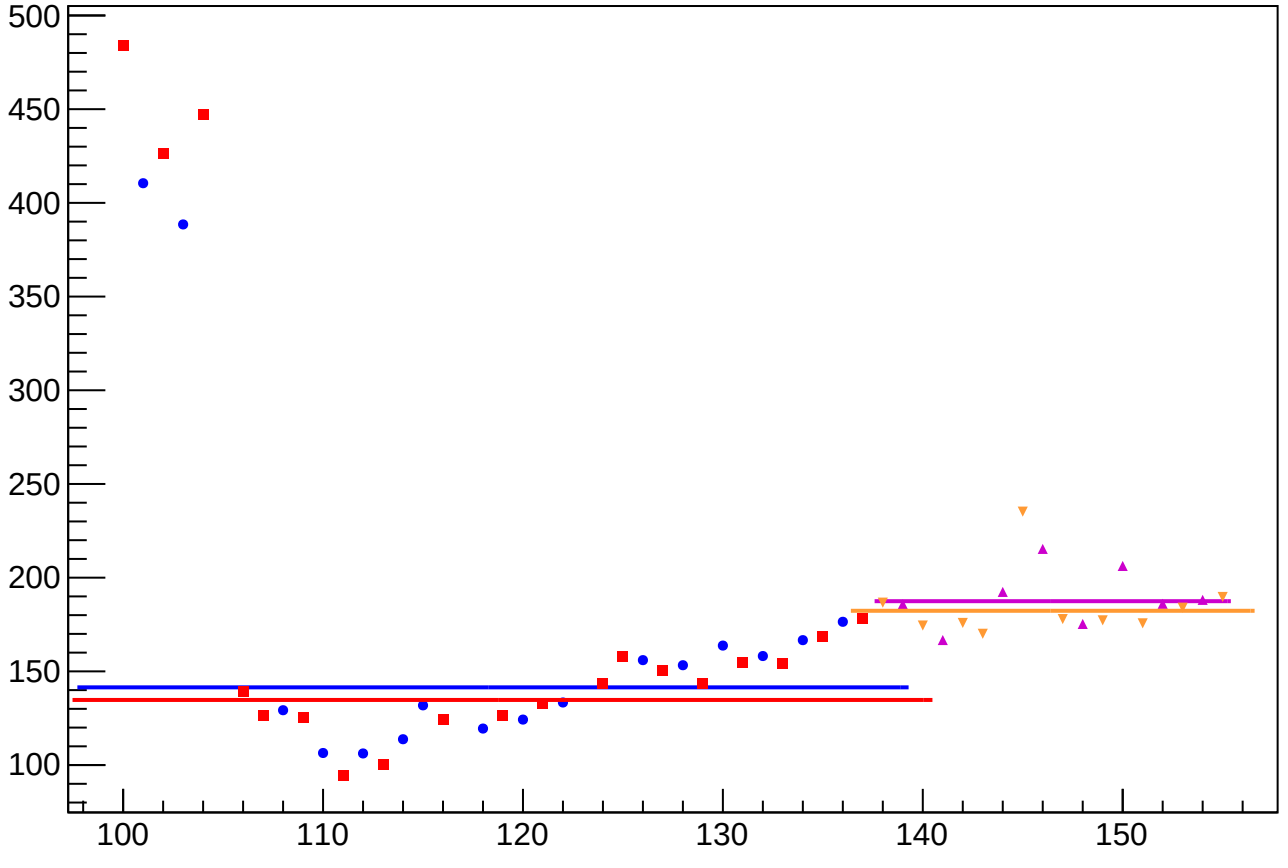
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 160019.598+/-0.045 χ^2/NDF:34700714964.6/2

Out: 160784.022+/-0.041 χ^2/NDF:48708817690.3/

All: 160429.671+/-0.030 χ^2/NDF: 835678233

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 182.326+/-0.047 χ^2/NDF:102521.2/9

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 187.453+/-0.051 χ^2/NDF:80427.2/7

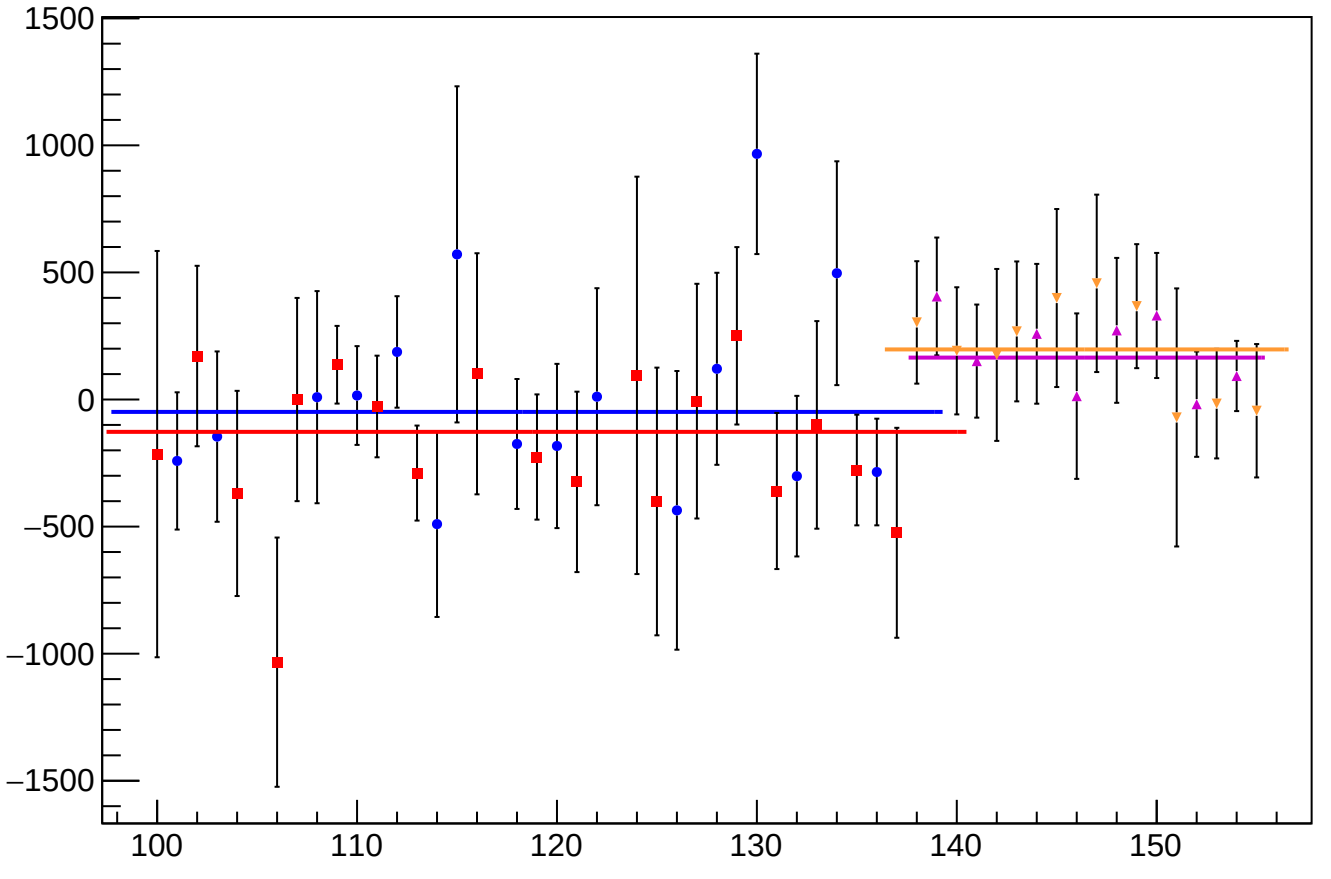
Left: 184.679+/-0.034 χ^2/NDF: 188497.8/17

Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 159.241+/-0.031 χ^2/NDF:1978691.9/23

Out: 153.478+/-0.029 χ^2/NDF:2313139.2/28

All: 156.150+/-0.021 χ^2/NDF: 4309828.1/52



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 197.044+/-88.299 χ^2/NDF:3.7/9

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 164.894+/-77.607 χ^2/NDF:3.1/7

Left: 178.905+/-58.292 χ^2/NDF: 6.9/17

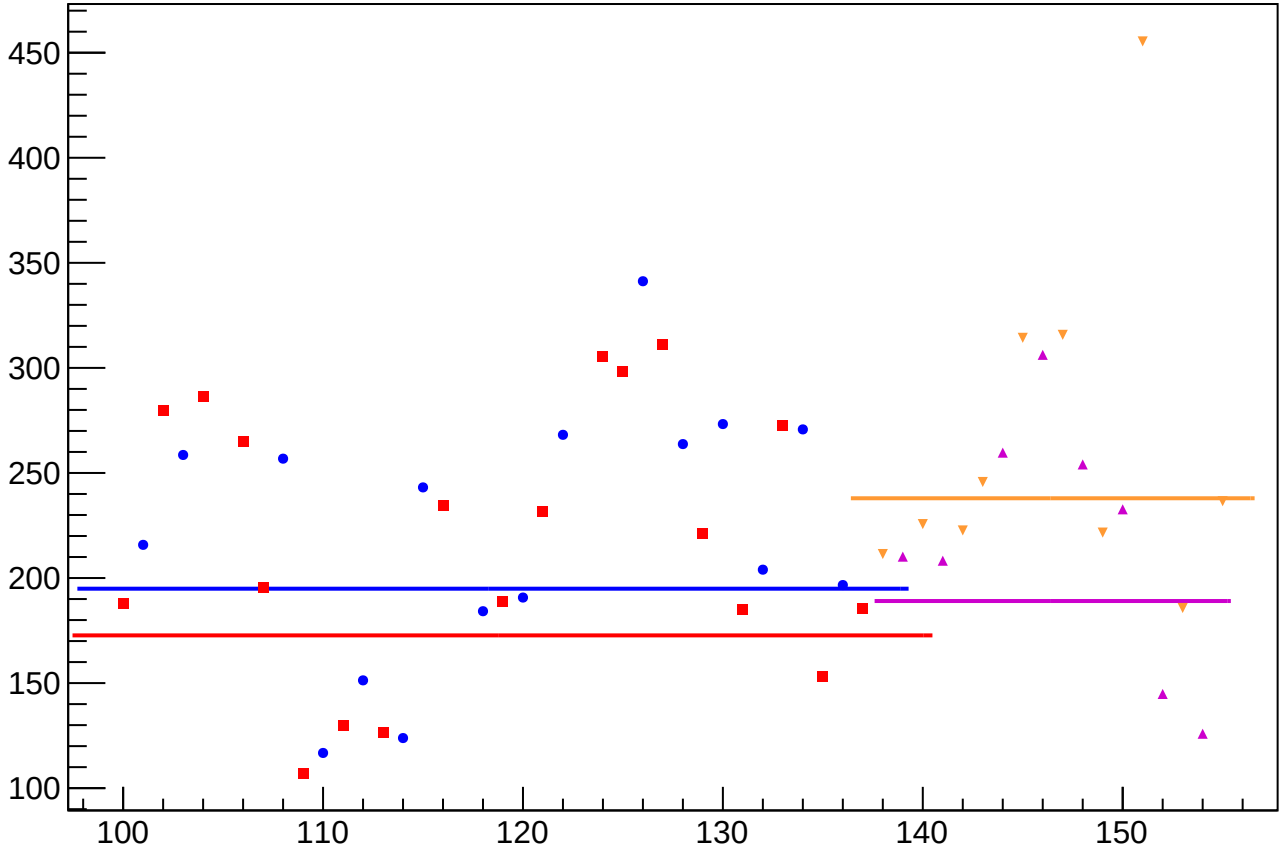
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 56.666+/-54.514 χ^2/NDF:22.3/23

Out: -5.394+/-54.126 χ^2/NDF:25.0/28

All: 25.414+/-38.409 χ^2/NDF: 48.0/52

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 237.956+/-0.062 χ^2/NDF:722389.4/9

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 189.056+/-0.055 χ^2/NDF:1098796.8/7

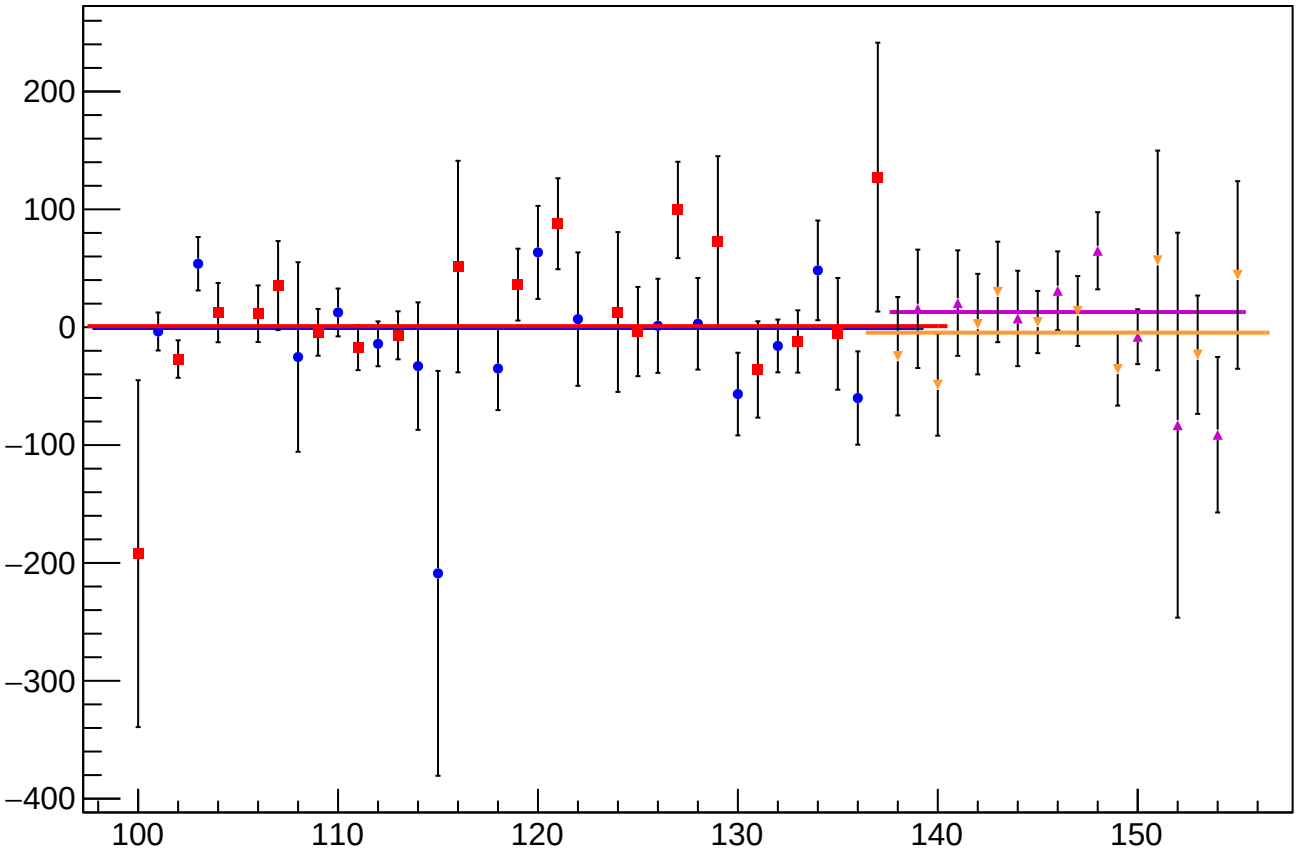
Left: 210.368+/-0.041 χ^2/NDF: 2167248.9/17

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 192.028+/-0.039 χ^2/NDF:2133487.6/23

Out: 197.223+/-0.038 χ^2/NDF:3035555.2/28

All: 194.644+/-0.027 χ^2/NDF: 5178188.4/52



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -4.573+/-12.583 χ^2/NDF:4.3/9

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 12.880+/-13.542 χ^2/NDF:6.5/7

Left: 3.513+/-9.218 χ^2/NDF: 11.7/17

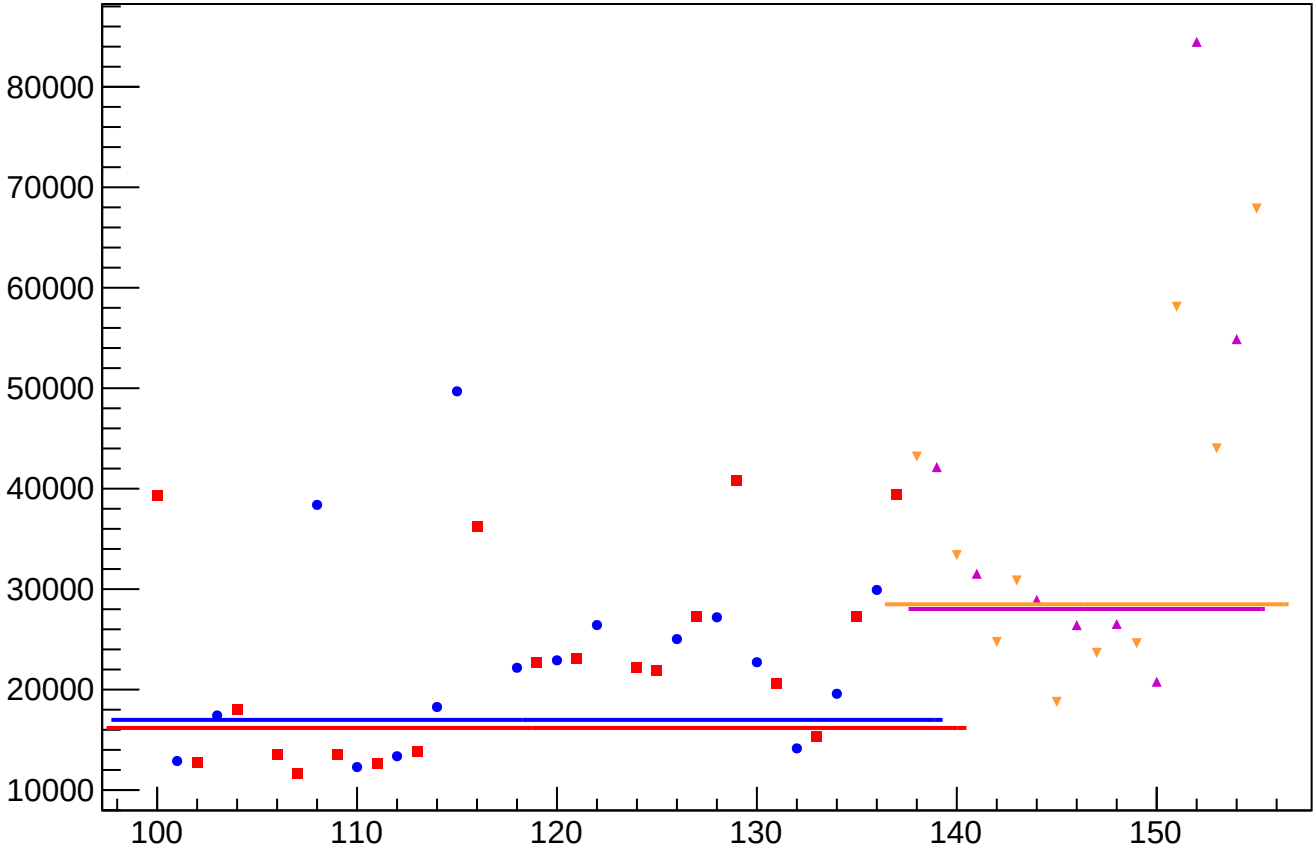
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.443+/-6.453 χ^2/NDF:26.2/23

Out: -0.299+/-5.960 χ^2/NDF:27.5/28

All: 0.963+/-4.378 χ^2/NDF: 53.8/52

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 28490.531+/-8.897 χ^2/NDF:1456424.5/9

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 28022.136+/-9.576 χ^2/NDF:944645.0/7

Left: 28273.518+/-6.518 χ^2/NDF: 2402353.6/17

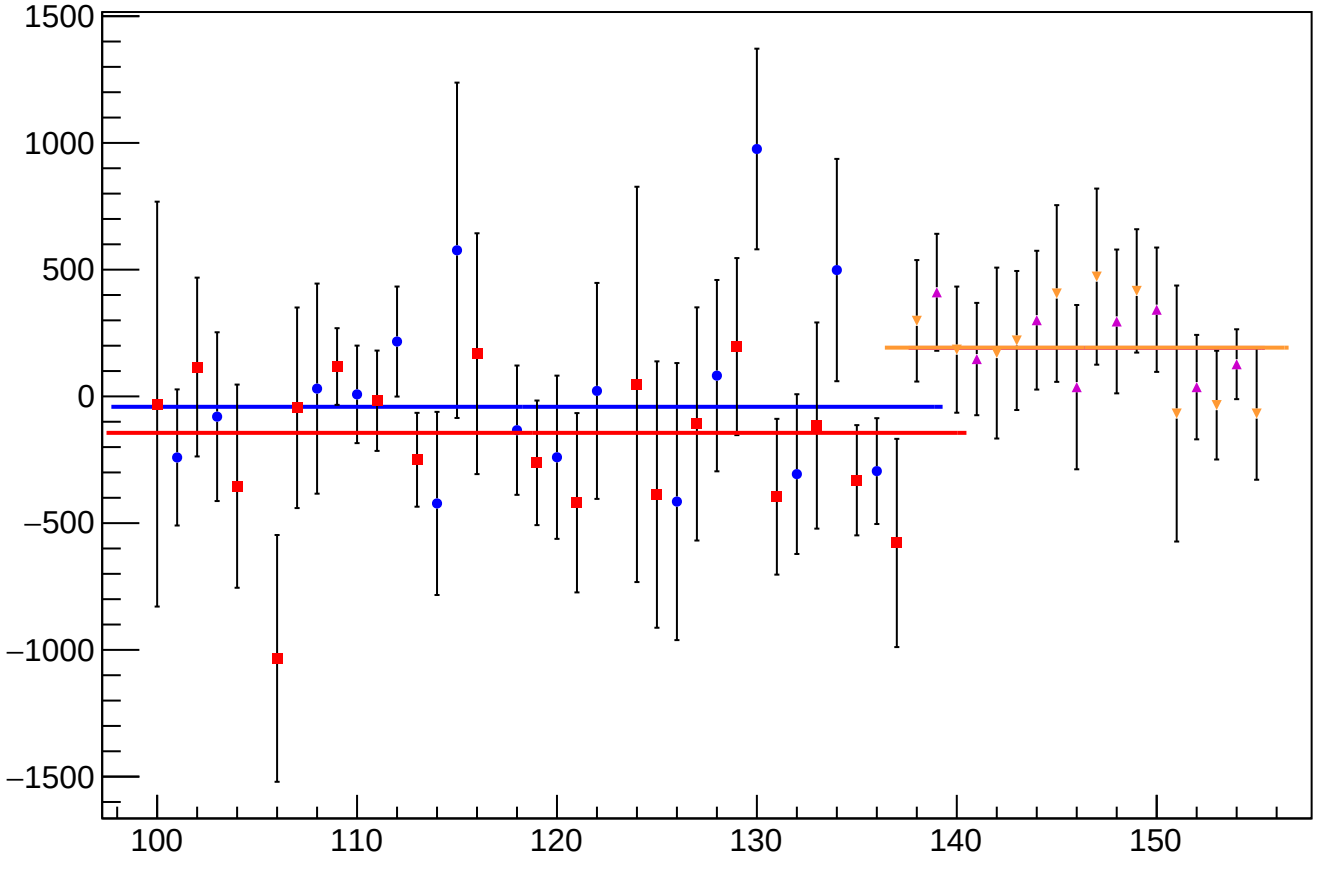
Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 19492.309+/-4.563 χ^2/NDF:3165269.0/23

Out: 18943.274+/-4.214 χ^2/NDF:4192365.7/28

All: 19195.998+/-3.096 χ^2/NDF: 7365447.7/5

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 192.354+/-87.915 χ^2/NDF:4.5/9

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 191.201+/-77.322 χ^2/NDF:2.6/7

Left: 191.704+/-58.061 χ^2/NDF: 7.1/17

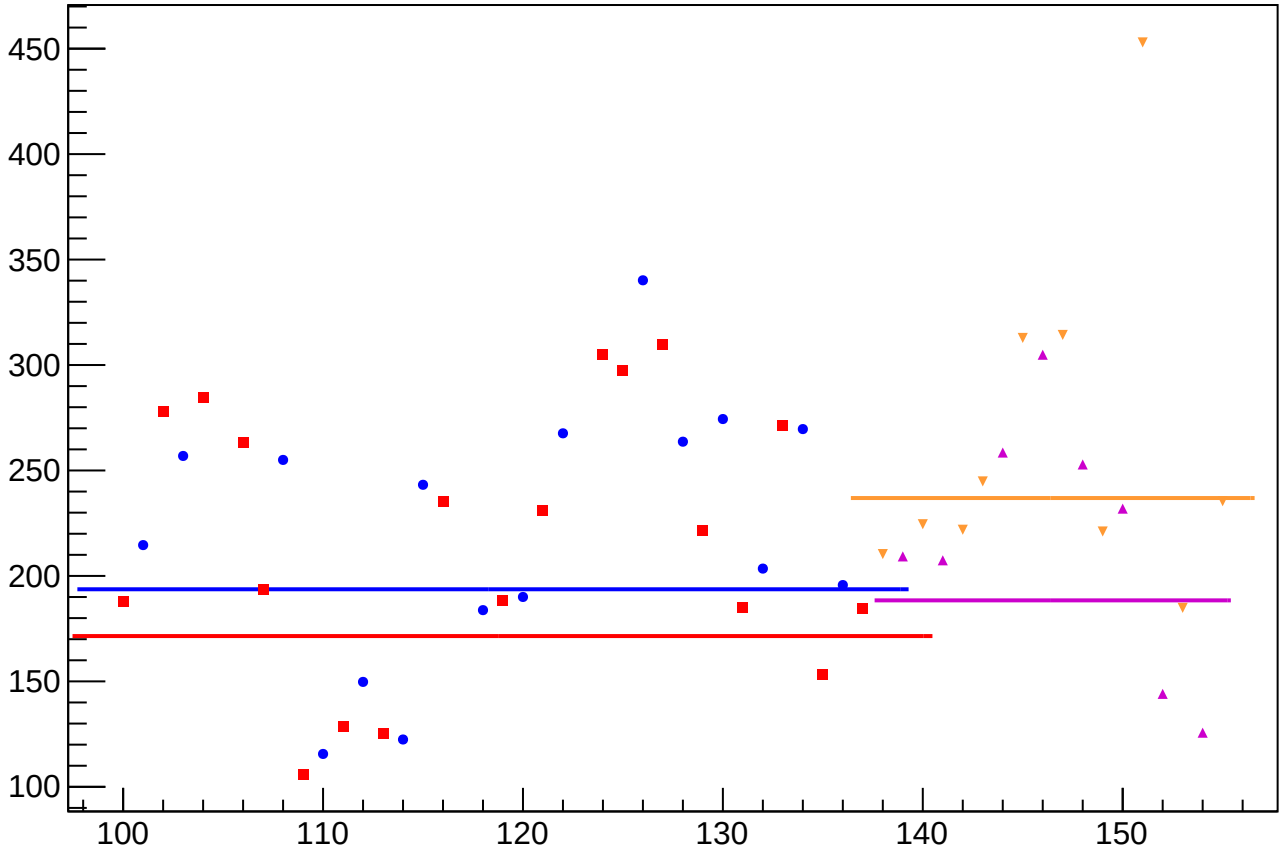
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 73.314+/-54.258 χ^2/NDF:22.7/23

Out: -17.798+/-53.827 χ^2/NDF:26.6/28

All: 27.395+/-38.213 χ^2/NDF: 50.7/52

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 236.929+/-0.062 χ^2/NDF:721591.2/9

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 188.410+/-0.055 χ^2/NDF:1093489.0/7

Left: 209.572+/-0.041 χ^2/NDF: 2158558.6/17

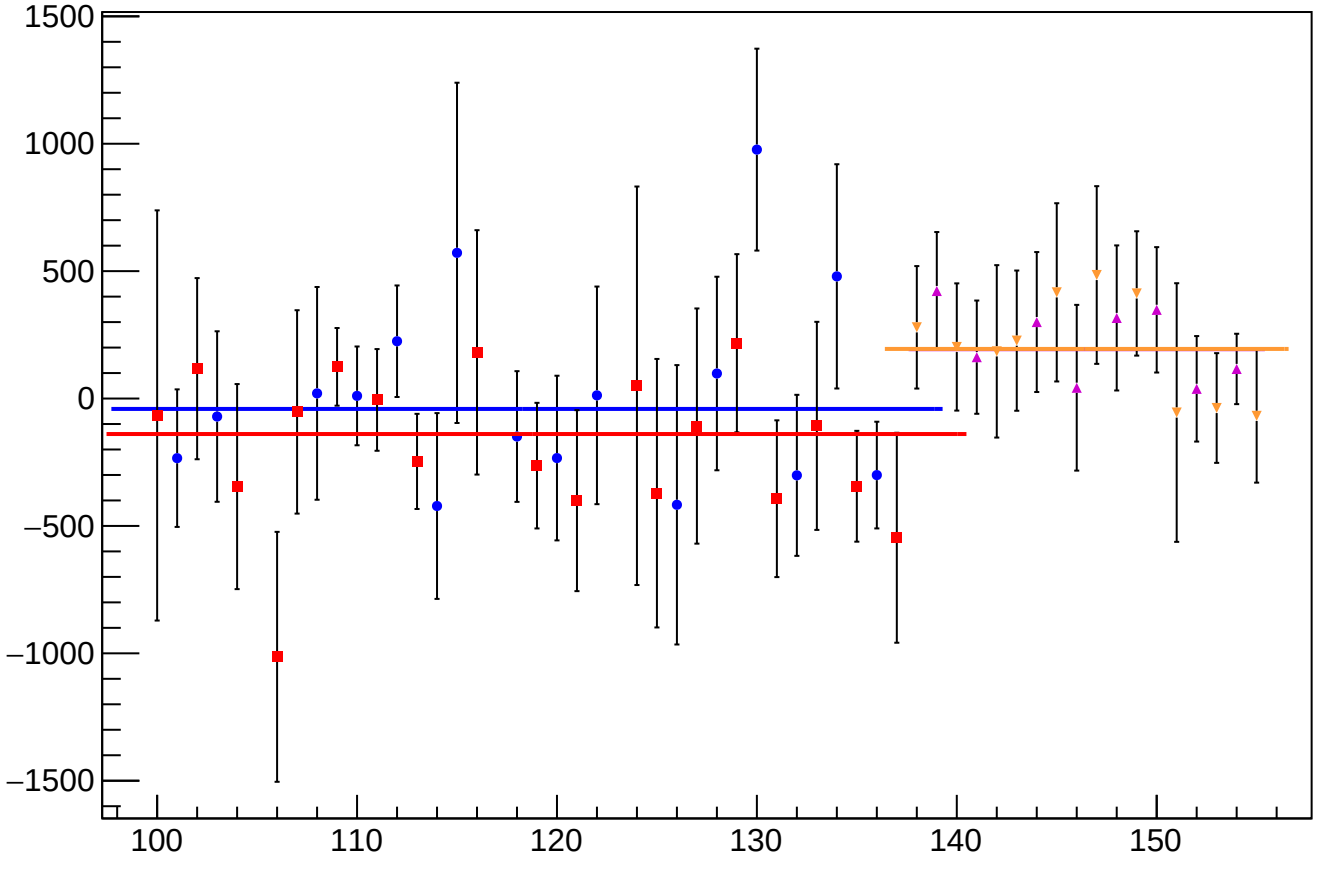
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 191.080+/-0.038 χ^2/NDF:2147959.5/23

Out: 196.018+/-0.038 χ^2/NDF:3067428.4/28

All: 193.569+/-0.027 χ^2/NDF: 5223735.1/52

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 194.692+/-88.213 χ^2/NDF:4.4/9

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 193.577+/-77.559 χ^2/NDF:2.8/7

Left: 194.063+/-58.247 χ^2/NDF: 7.3/17

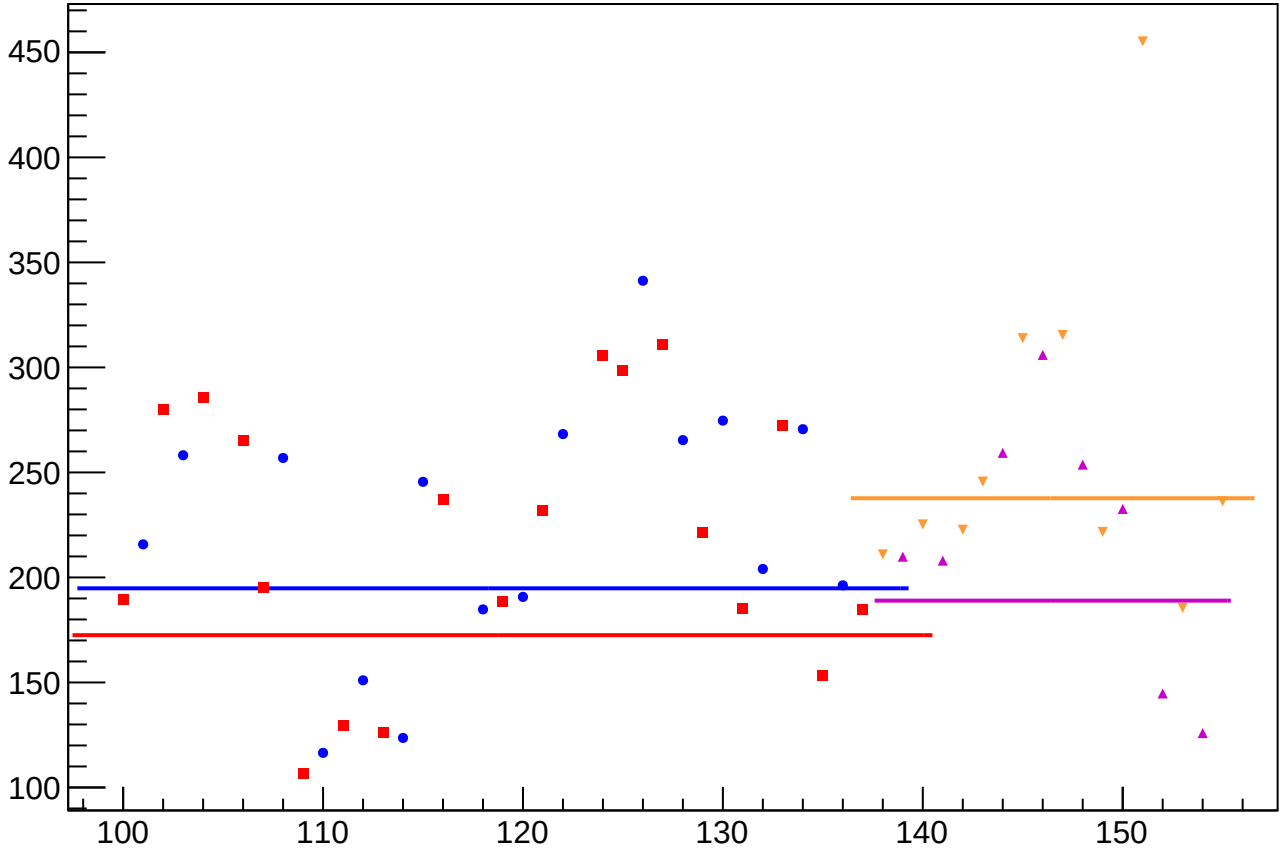
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 74.900+/-54.493 χ^2/NDF:22.8/23

Out: -13.750+/-54.083 χ^2/NDF:26.3/28

All: 30.241+/-38.387 χ^2/NDF: 50.4/52

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 237.715+/-0.062 χ^2/NDF:723106.2/9

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 188.961+/-0.055 χ^2/NDF:1095647.8/7

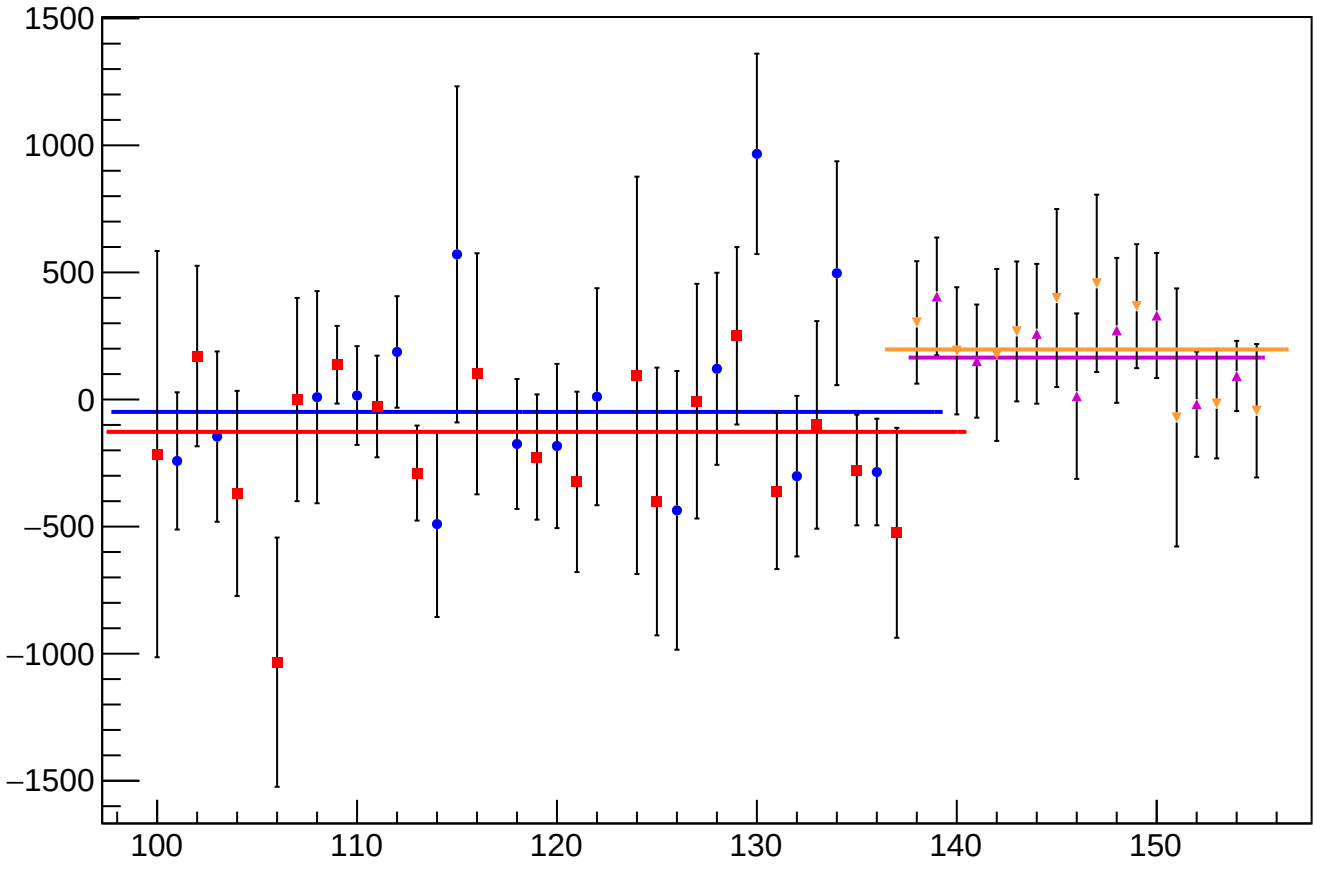
Left: 210.217+/-0.041 χ^2/NDF: 2163311.2/17

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 191.928+/-0.039 χ^2/NDF:2140522.5/23

Out: 197.018+/-0.038 χ^2/NDF:3047233.1/28

All: 194.492+/-0.027 χ^2/NDF: 5196547.4/52



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 197.044+/-88.299 χ^2/NDF:3.7/9

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 164.894+/-77.607 χ^2/NDF:3.1/7

Left: 178.905+/-58.292 χ^2/NDF: 6.9/17

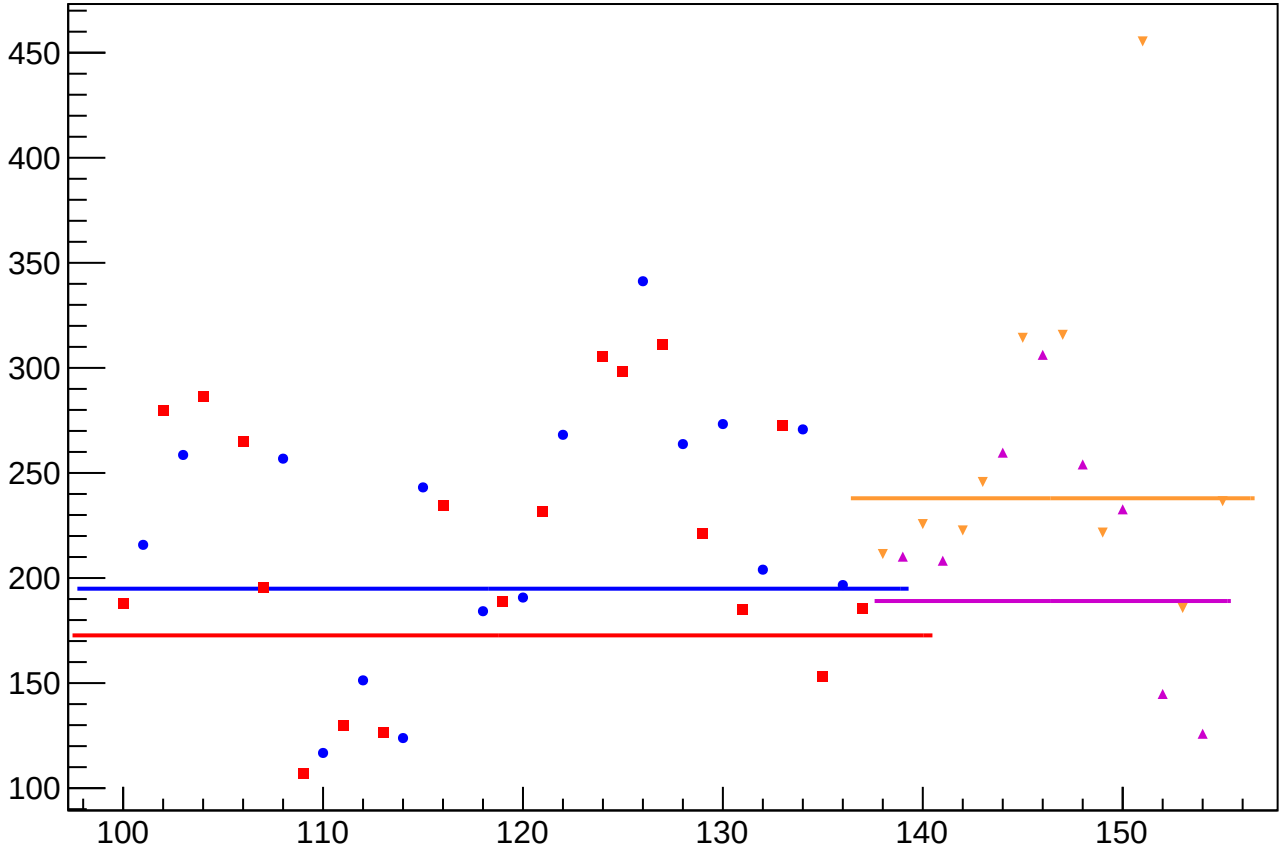
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 56.666+/-54.514 χ^2/NDF:22.3/23

Out: -5.394+/-54.126 χ^2/NDF:25.0/28

All: 25.414+/-38.409 χ^2/NDF: 48.0/52

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 237.956+/-0.062 χ^2/NDF:722389.4/9

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 189.056+/-0.055 χ^2/NDF:1098796.8/7

Left: 210.368+/-0.041 χ^2/NDF: 2167248.9/17

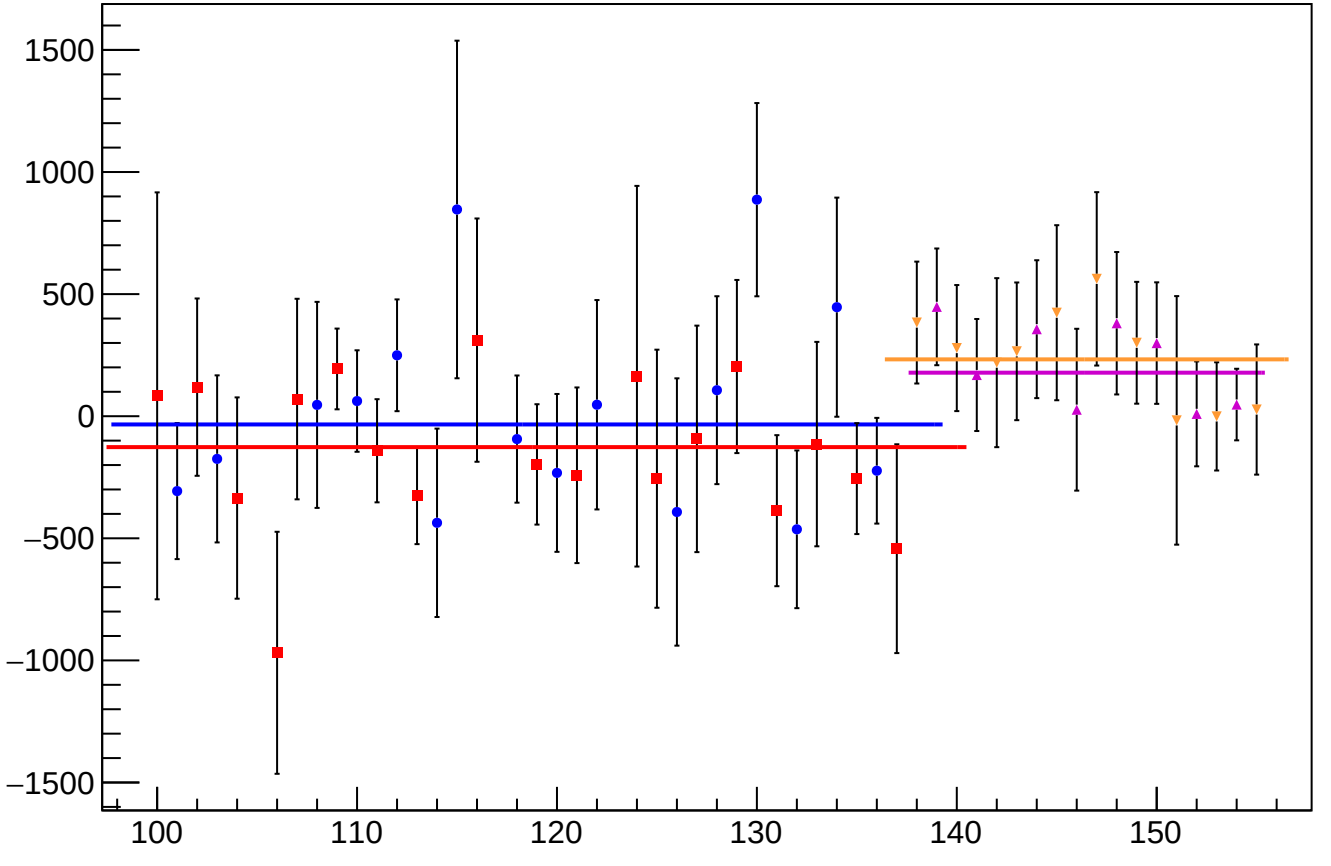
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 192.028+/-0.039 χ^2/NDF:2133487.6/23

Out: 197.223+/-0.038 χ^2/NDF:3035555.2/28

All: 194.644+/-0.027 χ^2/NDF: 5178188.4/52

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 232.785+/-90.505 χ^2/NDF:3.6/9

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 178.240+/-80.502 χ^2/NDF:4.0/7

Left: 202.333+/-60.150 χ^2/NDF: 7.8/17

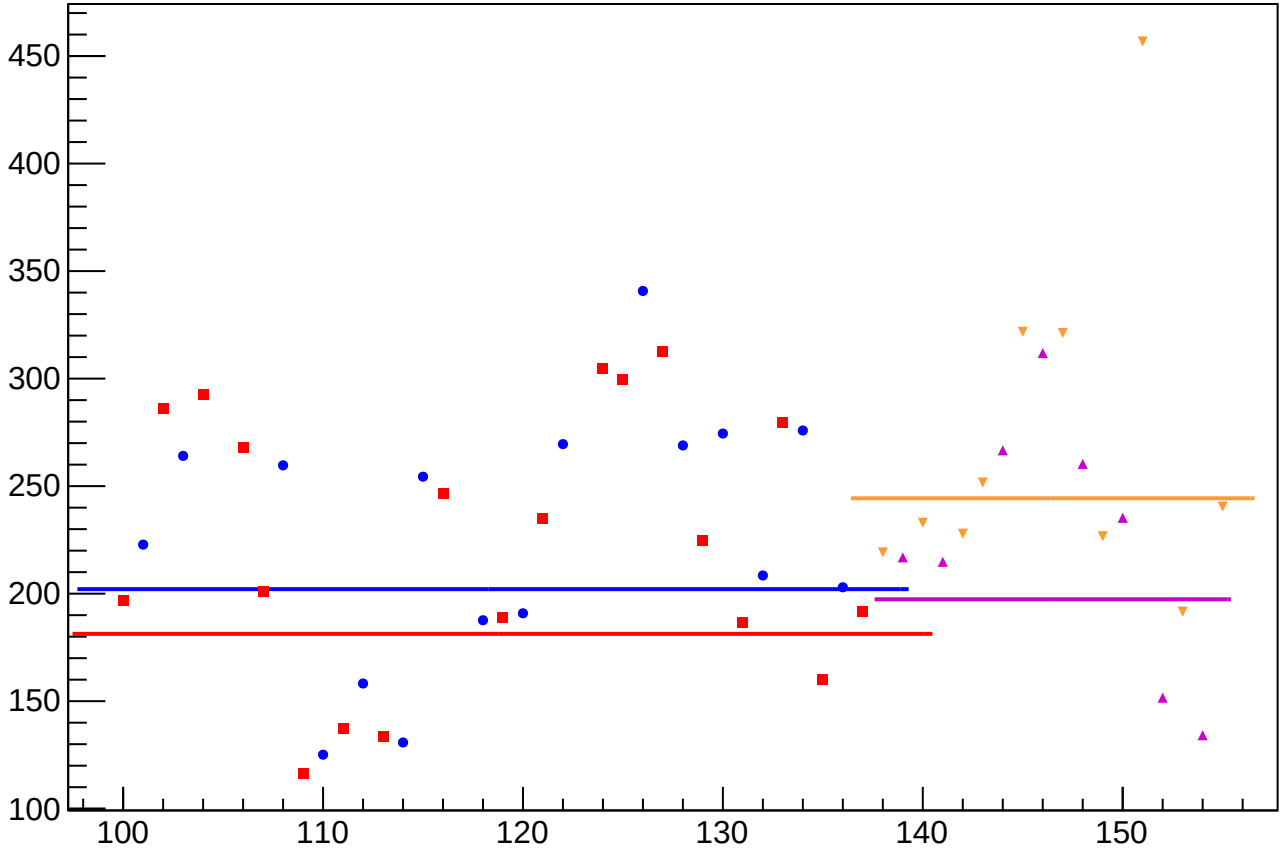
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 70.253+/-56.383 χ^2/NDF:23.3/23

Out: 11.073+/-56.012 χ^2/NDF:26.0/28

All: 40.468+/-39.737 χ^2/NDF: 49.8/52

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 244.349+/-0.064 χ^2/NDF:689358.7/9

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 197.388+/-0.057 χ^2/NDF:986657.5/7

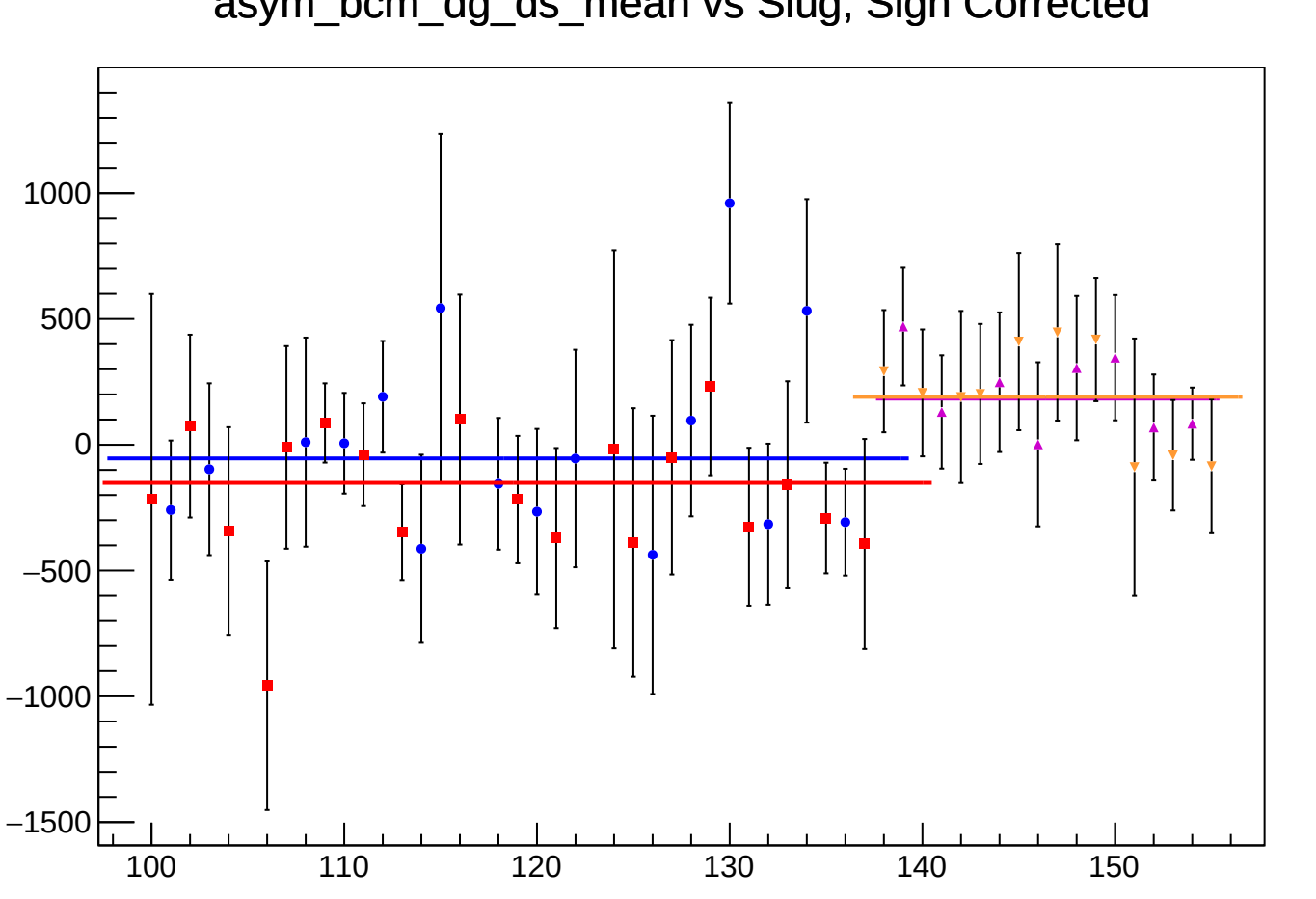
Left: 218.131+/-0.043 χ^2/NDF: 1976645.5/17

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 199.783+/-0.040 χ^2/NDF:1900393.1/23

Out: 205.456+/-0.040 χ^2/NDF:2728964.0/28

All: 202.639+/-0.028 χ^2/NDF: 4639547.7/52



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 190.377+/-89.227 χ^2/NDF:4.5/9

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 183.402+/-79.128 χ^2/NDF:3.3/7

Left: 186.473+/-59.202 χ^2/NDF: 7.8/17

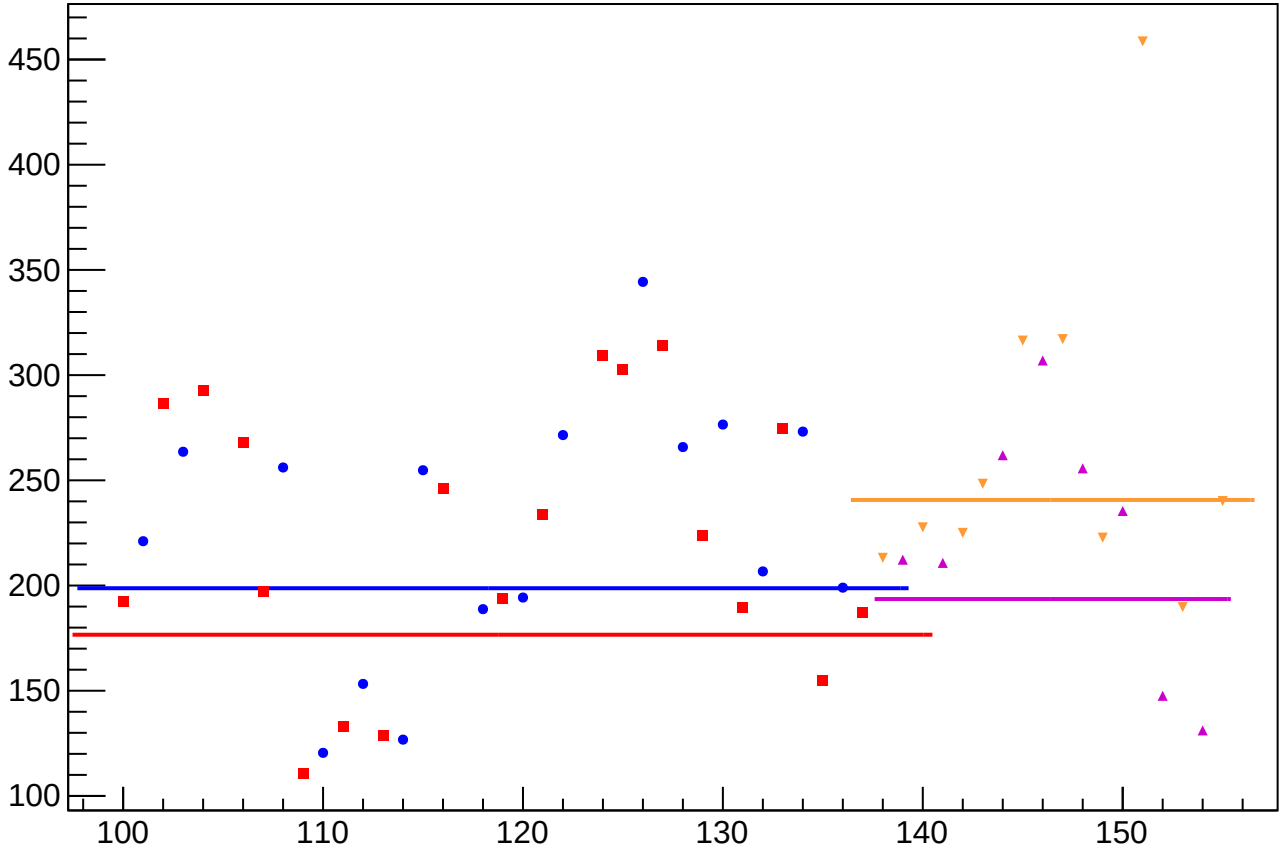
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 62.786+/-55.529 χ^2/NDF:23.0/23

Out: -21.388+/-55.026 χ^2/NDF:23.8/28

All: 20.316+/-39.086 χ^2/NDF: 47.9/52

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 240.666+/-0.063 χ^2/NDF:705563.6/9

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 193.584+/-0.056 χ^2/NDF:1011216.2/7

Left: 214.311+/-0.042 χ^2/NDF: 2028501.4/17

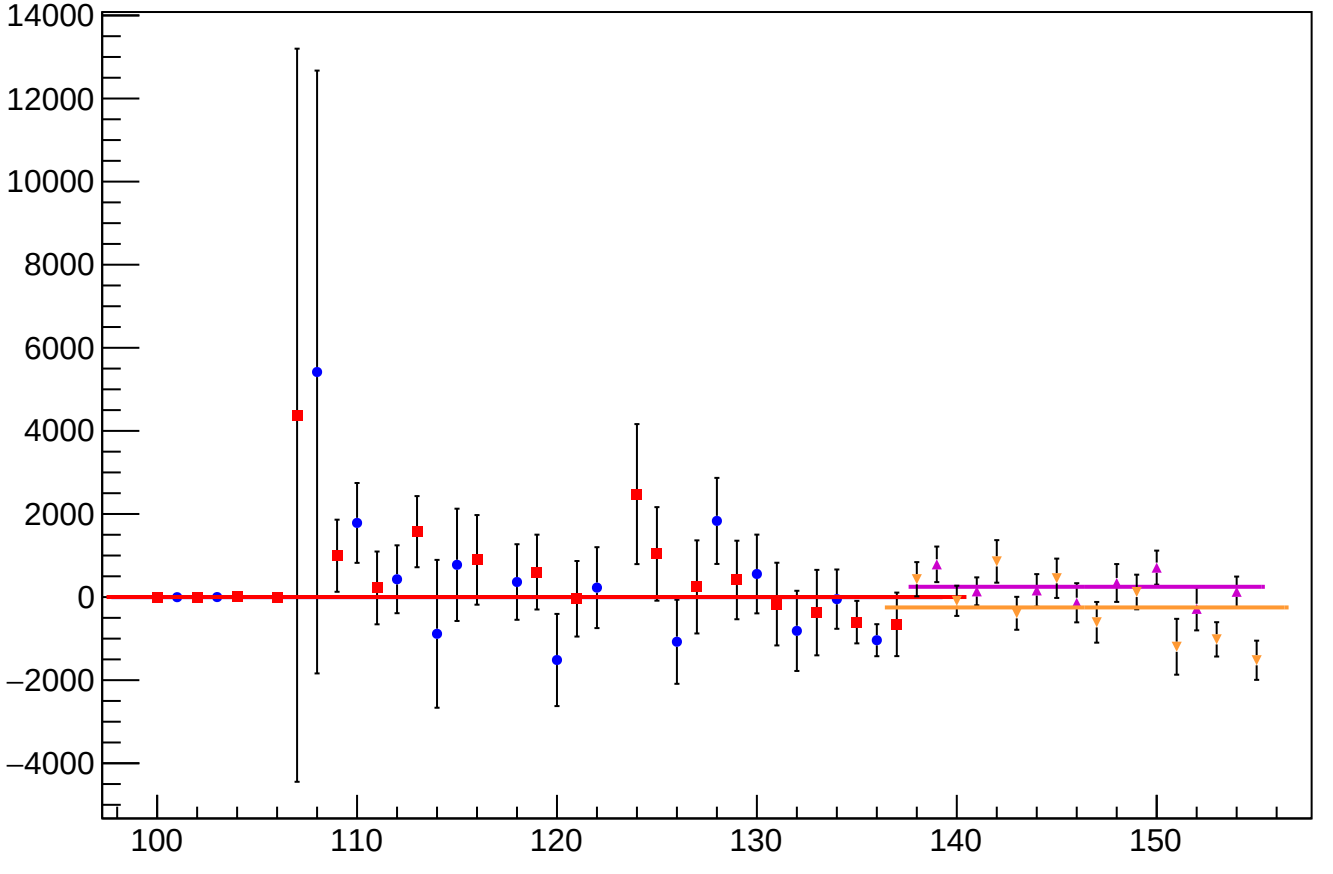
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 196.190+/-0.039 χ^2/NDF:2009559.4/23

Out: 200.979+/-0.039 χ^2/NDF:2939789.7/28

All: 198.606+/-0.028 χ^2/NDF: 4956855.8/52

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -249.305+/-140.605 χ^2/NDF:24.0/9

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 247.586+/-145.423 χ^2/NDF:4.9/7

Left: -9.227+/-101.083 χ^2/NDF: 34.9/17

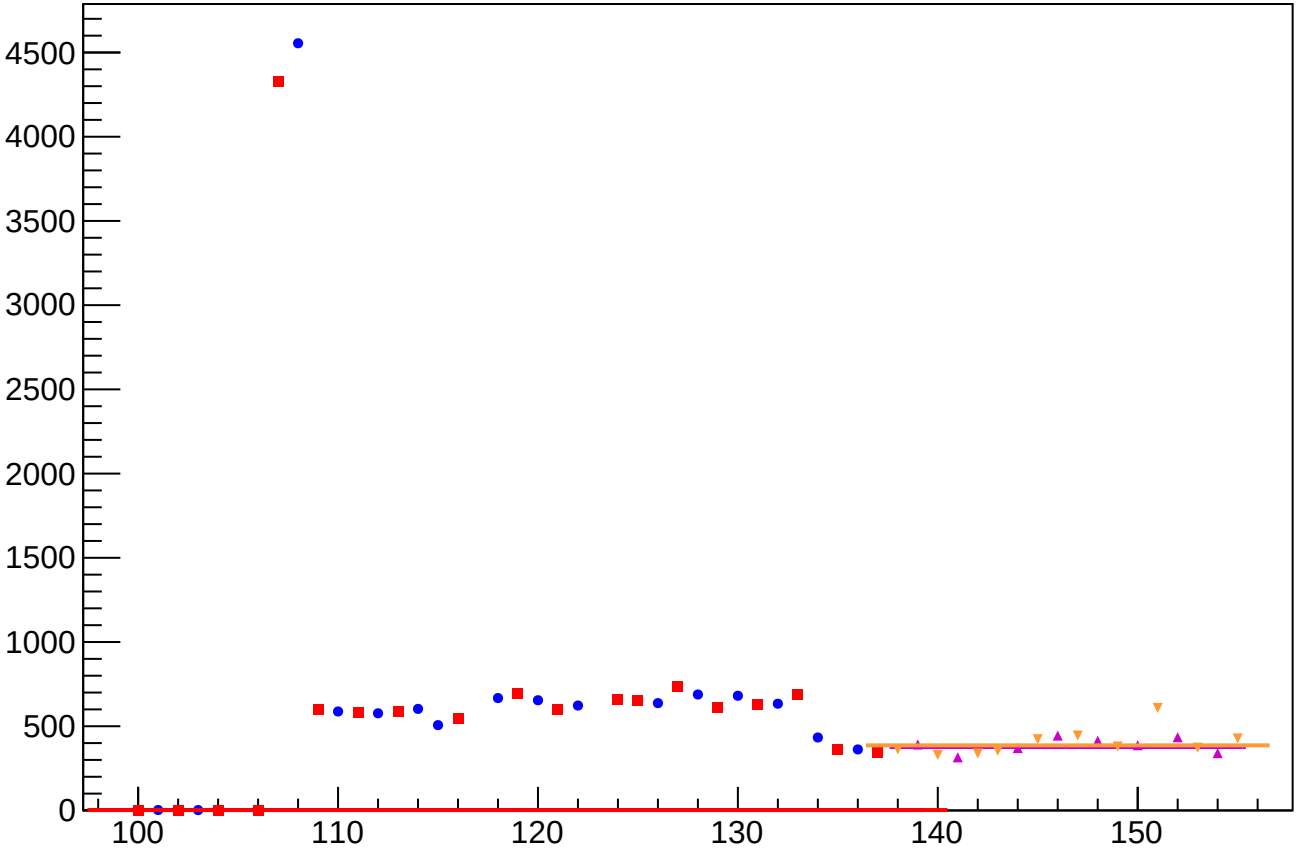
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.183+/-2.171 χ^2/NDF:27.7/23

Out: 1.326+/-2.022 χ^2/NDF:44.0/28

All: 0.160+/-1.480 χ^2/NDF: 72.4/52

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 386.515+/-0.099 χ^2/NDF:362779.6/9

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 376.614+/-0.103 χ^2/NDF:170313.9/7

Left: 381.731+/-0.071 χ^2/NDF: 537885.4/17

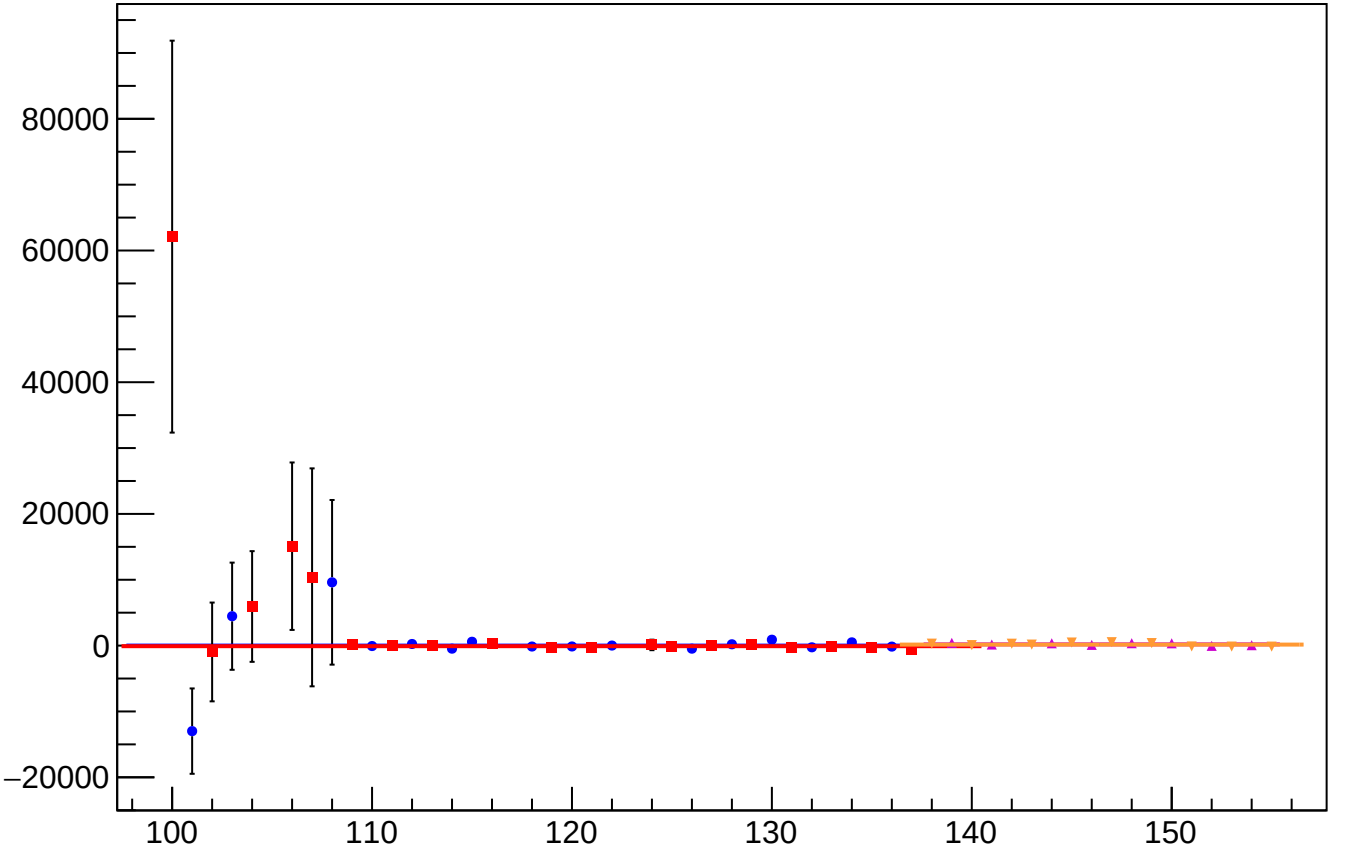
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.560+/-0.002 χ^2/NDF:25031653.9/23

Out: 2.542+/-0.001 χ^2/NDF:26826555.8/28

All: 2.550+/-0.001 χ^2/NDF: 51858287.1/52

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 154.101+/-94.807 χ^2/NDF:5.9/9

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 188.643+/-84.999 χ^2/NDF:3.6/7

Left: 173.251+/-63.288 χ^2/NDF: 9.6/17

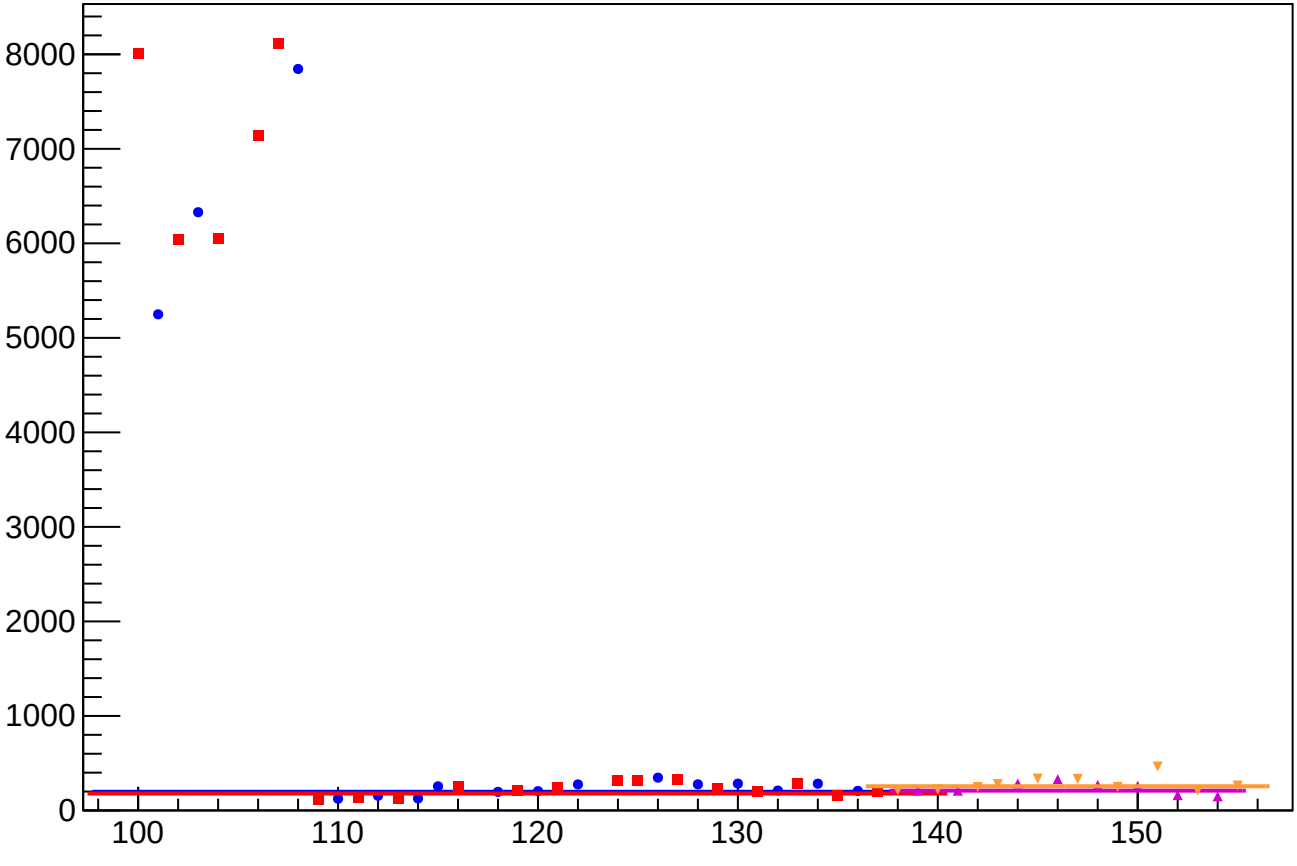
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 97.682+/-61.077 χ^2/NDF:22.8/23

Out: 14.982+/-61.849 χ^2/NDF:24.6/28

All: 56.851+/-43.458 χ^2/NDF: 48.3/52

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 256.080+/-0.067 χ^2/NDF:692351.4/9

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 209.695+/-0.060 χ^2/NDF:863998.9/7

Left: 230.364+/-0.045 χ^2/NDF: 1821762.6/17

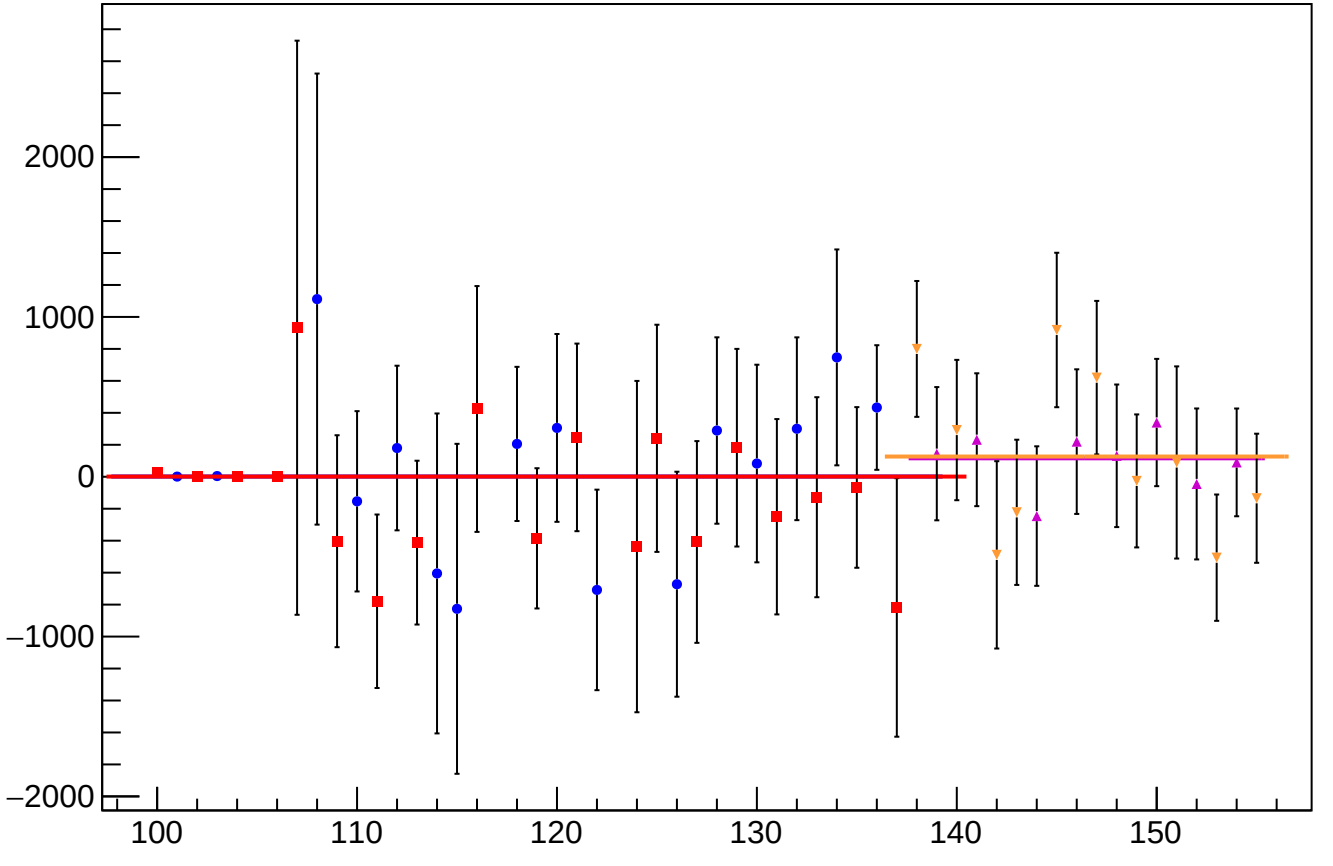
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 203.854+/-0.043 χ^2/NDF:4840713.1/23

Out: 211.947+/-0.044 χ^2/NDF:5865241.1/28

All: 207.850+/-0.031 χ^2/NDF: 10723290.3/52

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 126.503+/-144.077 χ^2/NDF:11.2/9

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 115.410+/-146.980 χ^2/NDF:1.3/7

Left: 121.067+/-102.889 χ^2/NDF: 12.5/17

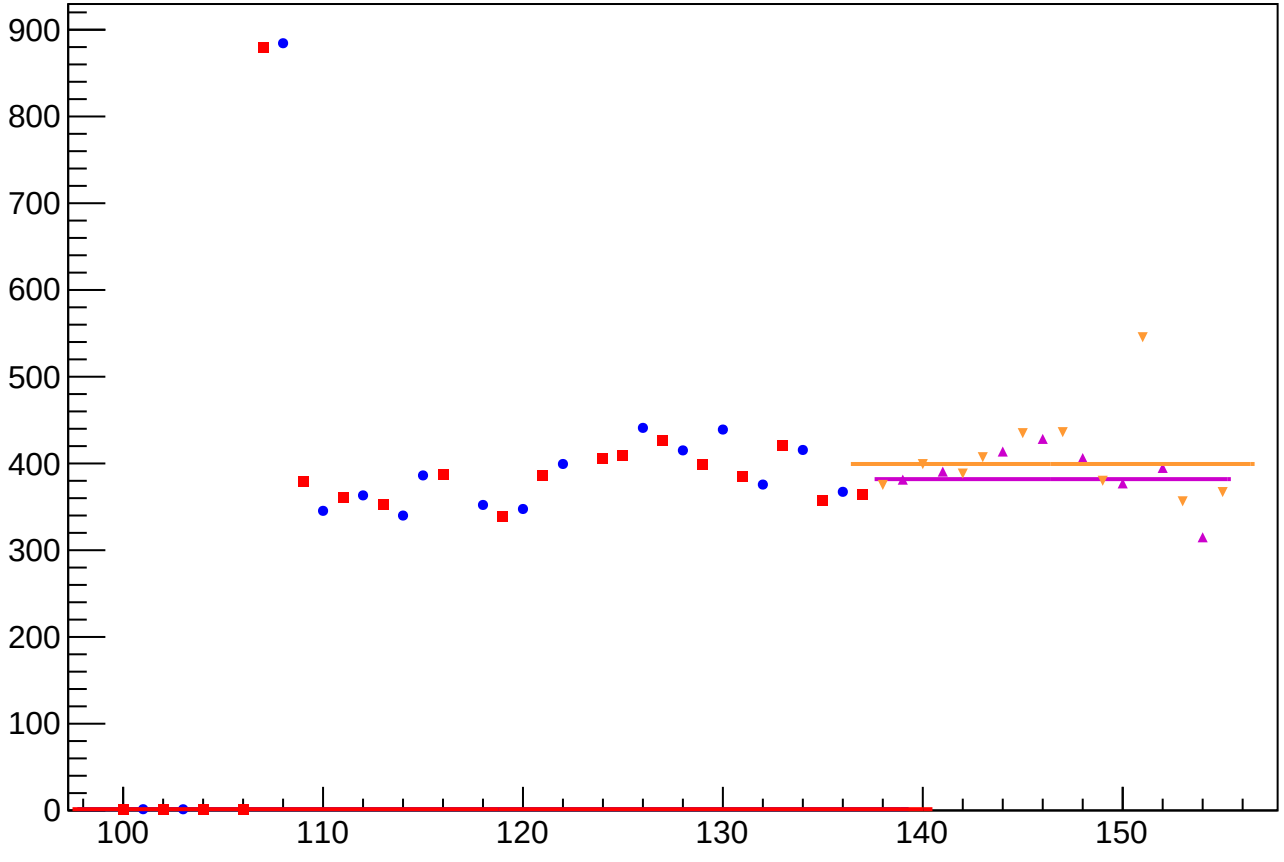
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.470+/-1.660 χ^2/NDF:9.7/23

Out: 1.108+/-1.528 χ^2/NDF:21.1/28

All: 1.274+/-1.124 χ^2/NDF: 30.9/52

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 399.408+/-0.102 χ^2/NDF:189269.6/9

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 381.947+/-0.104 χ^2/NDF:119345.9/7

Left: 390.852+/-0.073 χ^2/NDF: 323009.4/17

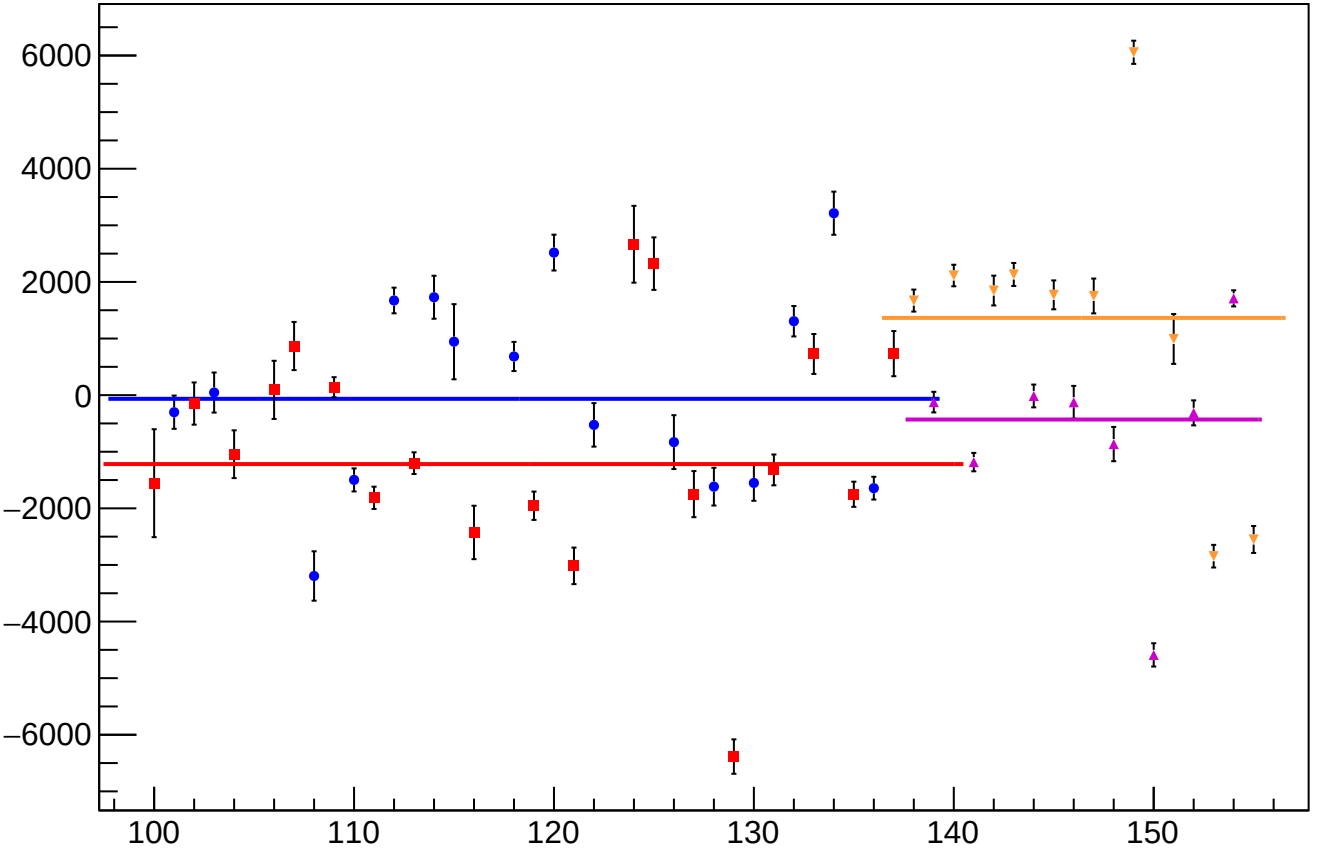
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.519+/-0.001 χ^2/NDF:25255008.4/23

Out: 1.512+/-0.001 χ^2/NDF:26715300.6/28

All: 1.515+/-0.001 χ^2/NDF: 51970327.3/52

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1364.902+/-72.534 χ^2/NDF:1276.3/9

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: -430.809+/-69.218 χ^2/NDF:665.3/7

Left: 425.065+/-50.076 χ^2/NDF: 2262.3/17

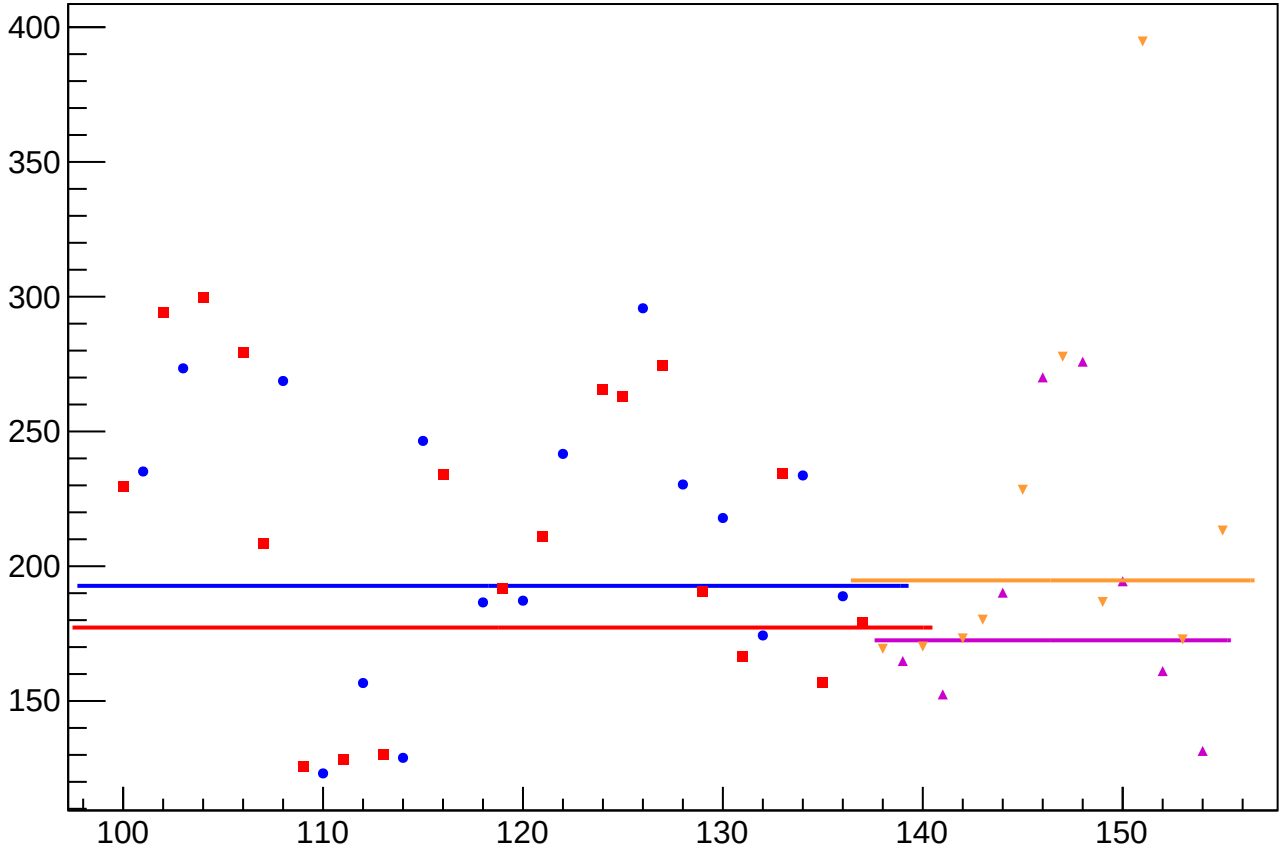
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -262.288+/-50.833 χ^2/NDF:1147.6/23

Out: 9.489+/-50.002 χ^2/NDF:2536.2/28

All: -124.158+/-35.647 χ^2/NDF: 3698.4/52

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 194.744+/-0.051 χ^2/NDF:722283.0/9

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 172.513+/-0.049 χ^2/NDF:703639.8/7

Left: 183.109+/-0.035 χ^2/NDF: 1524254.2/17

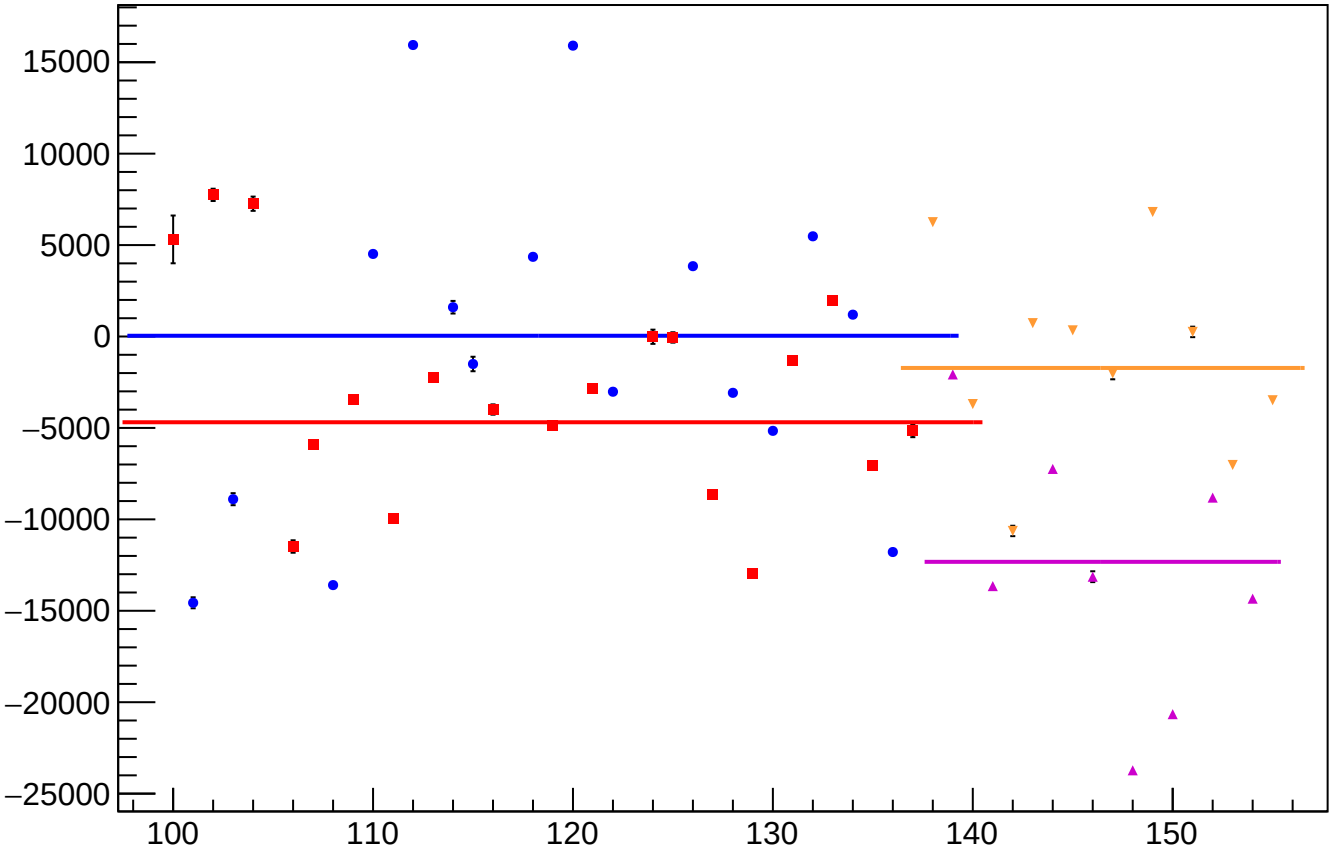
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 181.821+/-0.036 χ^2/NDF:1541301.9/23

Out: 185.564+/-0.035 χ^2/NDF:2009508.4/28

All: 183.723+/-0.025 χ^2/NDF: 3556320.7/52

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1719.719+/-66.409 χ^2/NDF:5951.6/9

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -12323.323+/-73.568 χ^2/NDF:7280.5/7

Left: -6480.669+/-49.296 χ^2/NDF: 24679.0/17

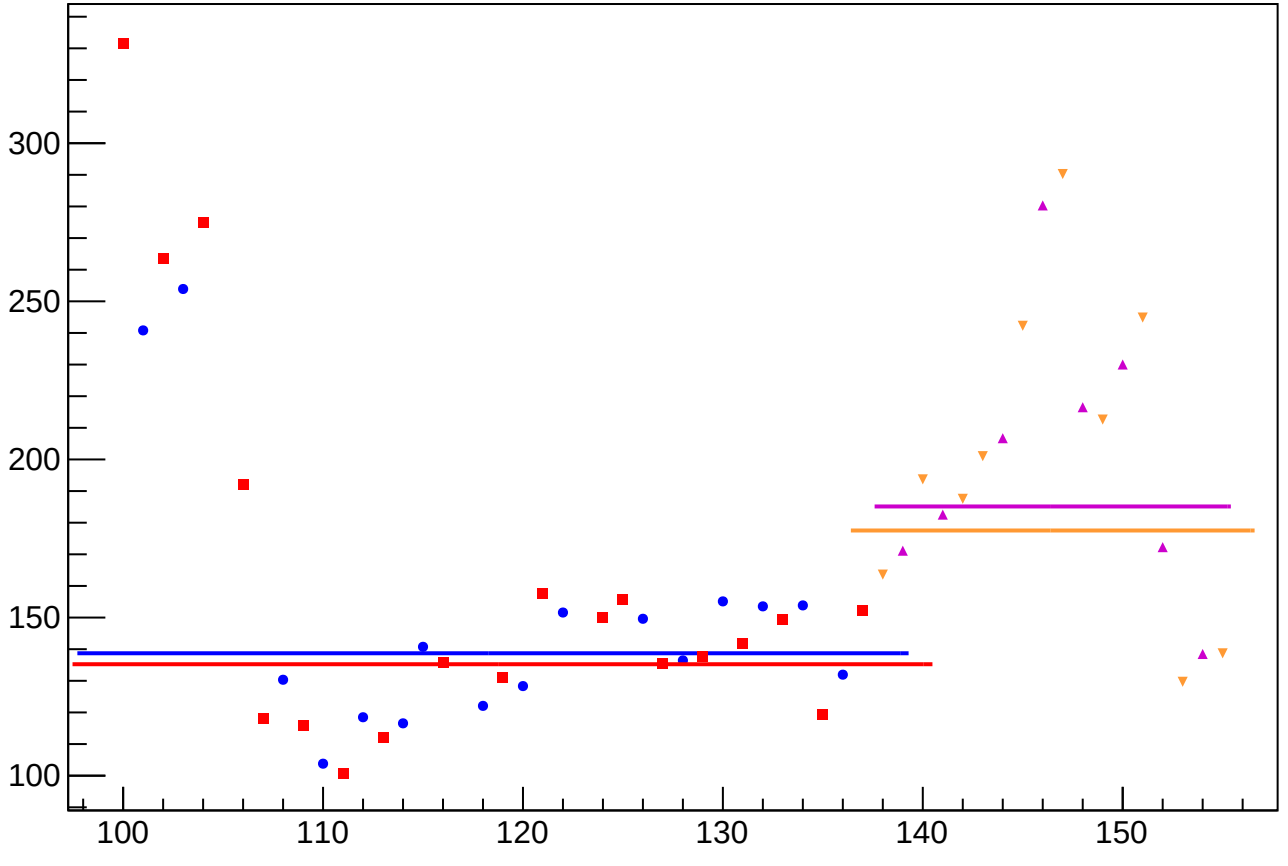
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4308.919+/-43.636 χ^2/NDF:56375.7/23

Out: -3558.306+/-40.988 χ^2/NDF:14985.5/28

All: -3910.155+/-29.875 χ^2/NDF: 71518.4/52

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 177.535+/-0.047 χ^2/NDF:911858.8/9

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 185.132+/-0.052 χ^2/NDF:539443.4/7

Left: 180.946+/-0.035 χ^2/NDF: 1463055.3/17

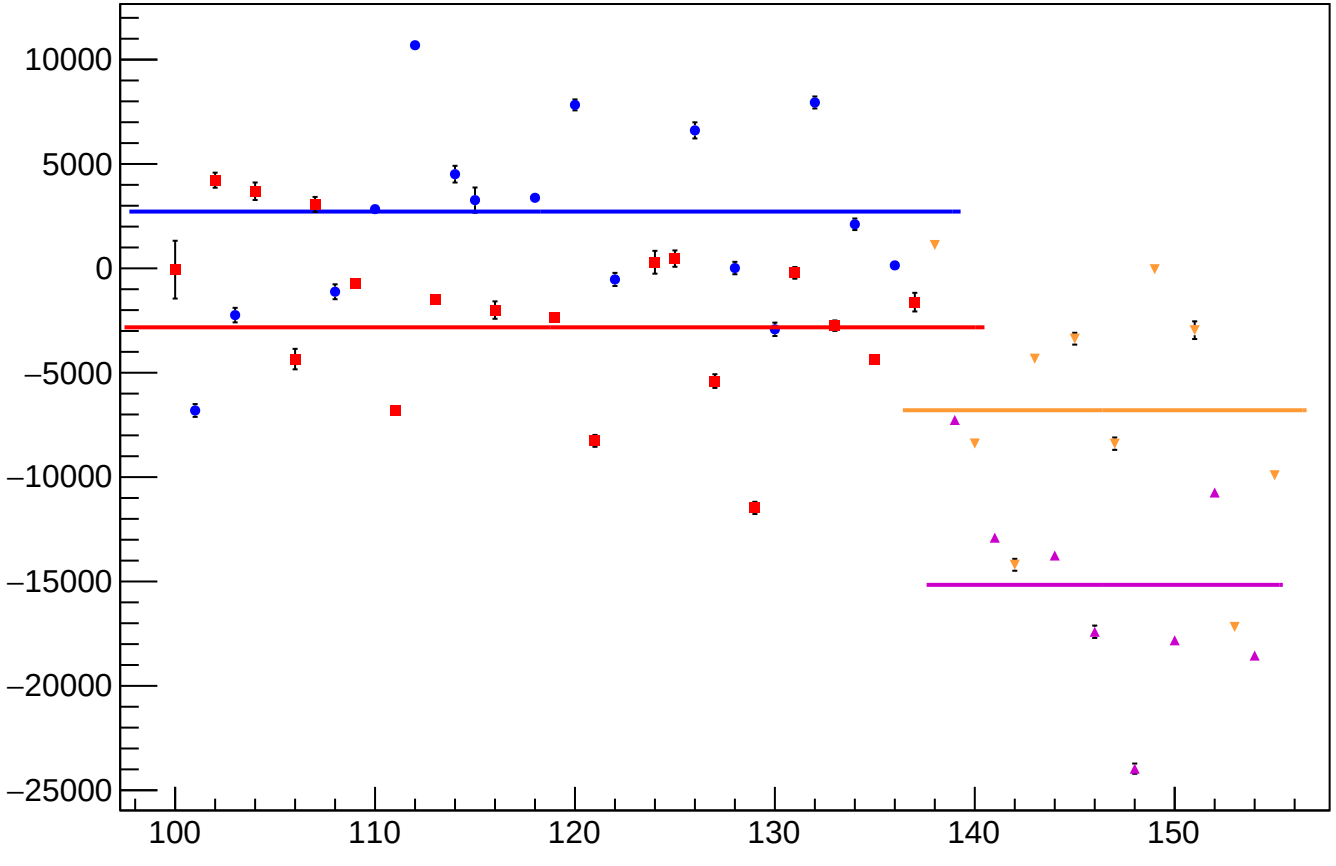
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 155.043+/-0.031 χ^2/NDF:1713378.3/23

Out: 151.355+/-0.029 χ^2/NDF:2303952.1/28

All: 153.084+/-0.021 χ^2/NDF: 4024919.4/52

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6796.426+/-76.142 χ^2/NDF:6475.9/9

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -15160.865+/-73.792 χ^2/NDF:4110.4/7

Left: -11109.724+/-52.990 χ^2/NDF: 16809.2/17

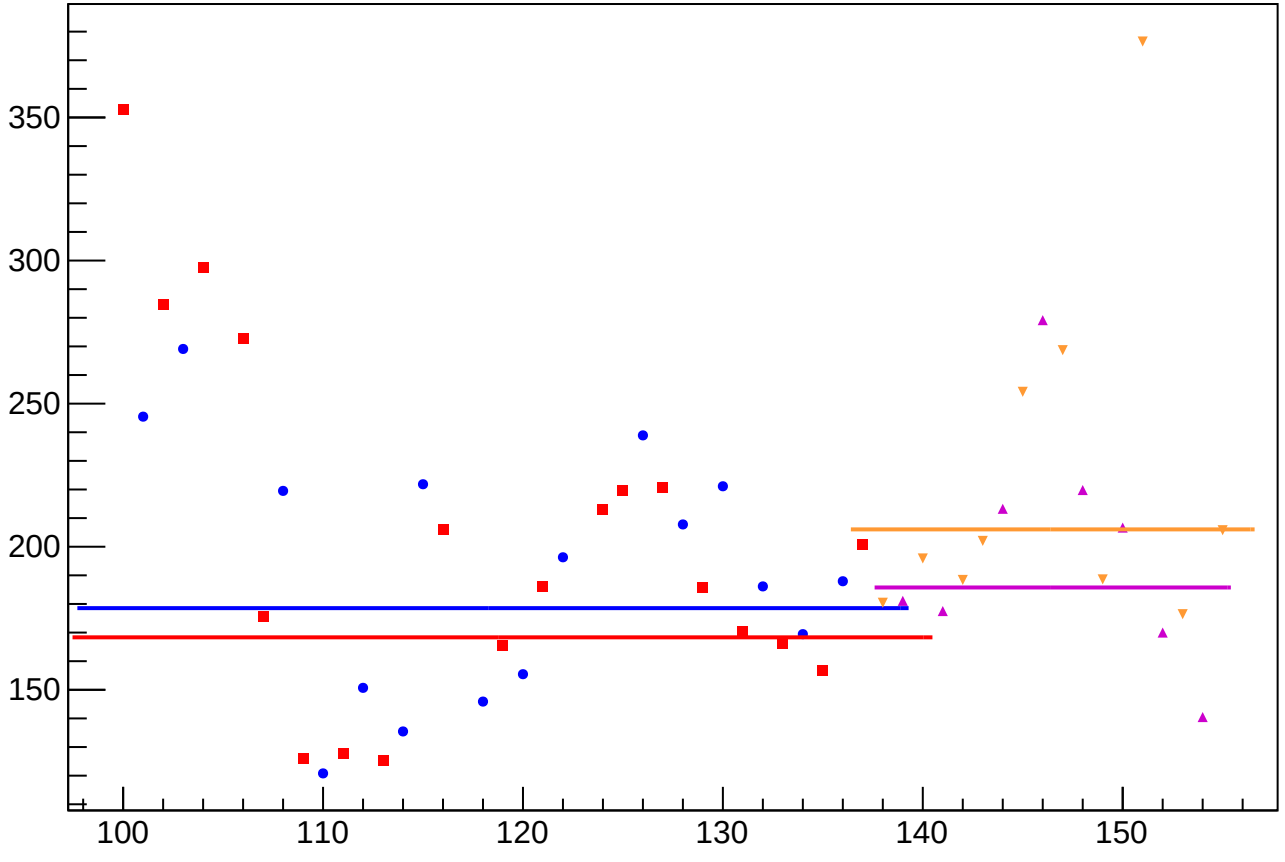
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -5652.907+/-50.495 χ^2/NDF:39461.3/23

Out: -4493.906+/-49.370 χ^2/NDF:11116.4/28

All: -5060.353+/-35.301 χ^2/NDF: 50847.1/52

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 206.057+/-0.054 χ^2/NDF:570948.8/9

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 185.758+/-0.052 χ^2/NDF:476748.5/7

Left: 195.590+/-0.037 χ^2/NDF: 1120996.9/17

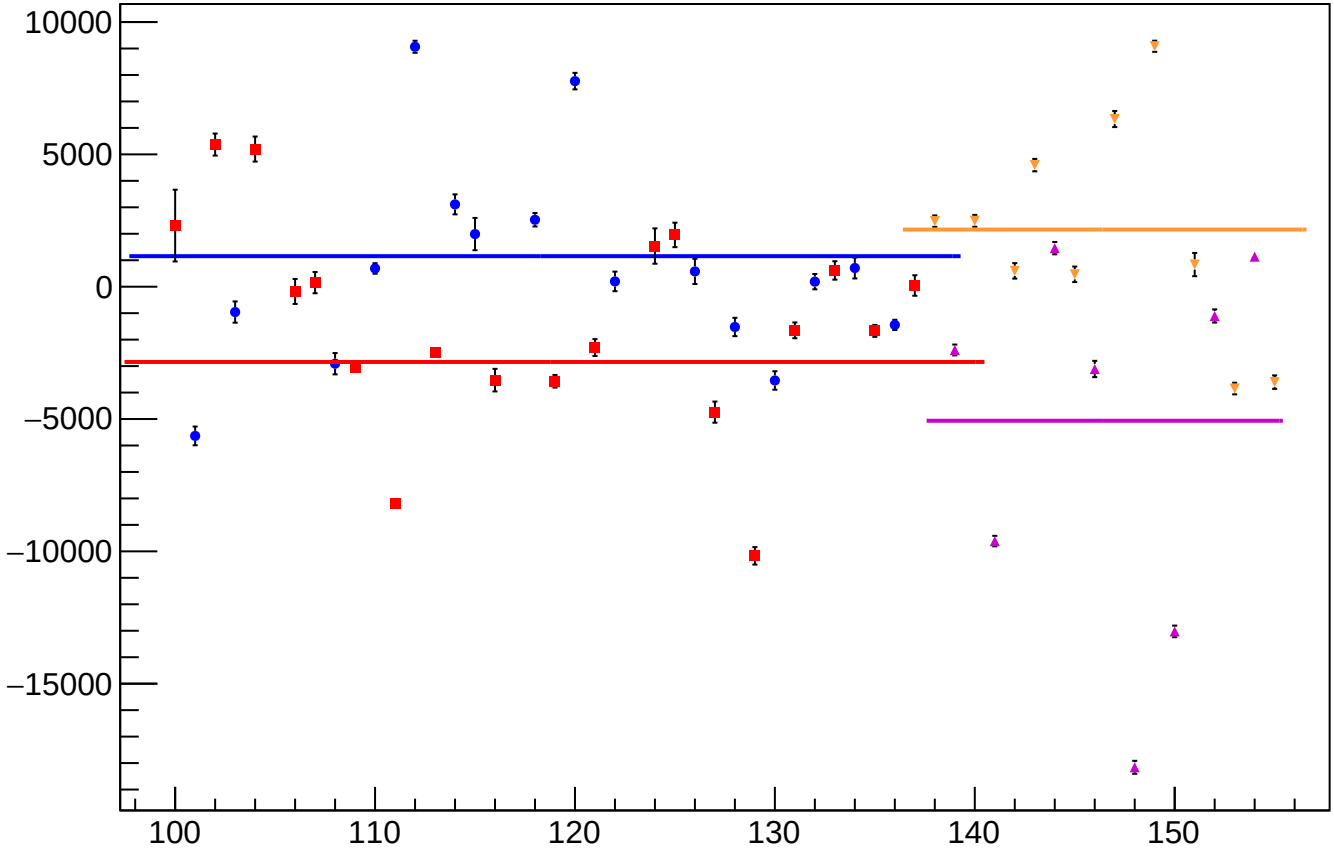
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 181.921+/-0.036 χ^2/NDF:1161487.8/23

Out: 184.194+/-0.035 χ^2/NDF:1834944.0/28

All: 183.083+/-0.025 χ^2/NDF: 2998504.7/52

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2159.151+/-79.769 χ^2/NDF:2710.1/9

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -5064.329+/-77.114 χ^2/NDF:7340.4/7

Left: -1574.835+/-55.443 χ^2/NDF: 14289.4/17

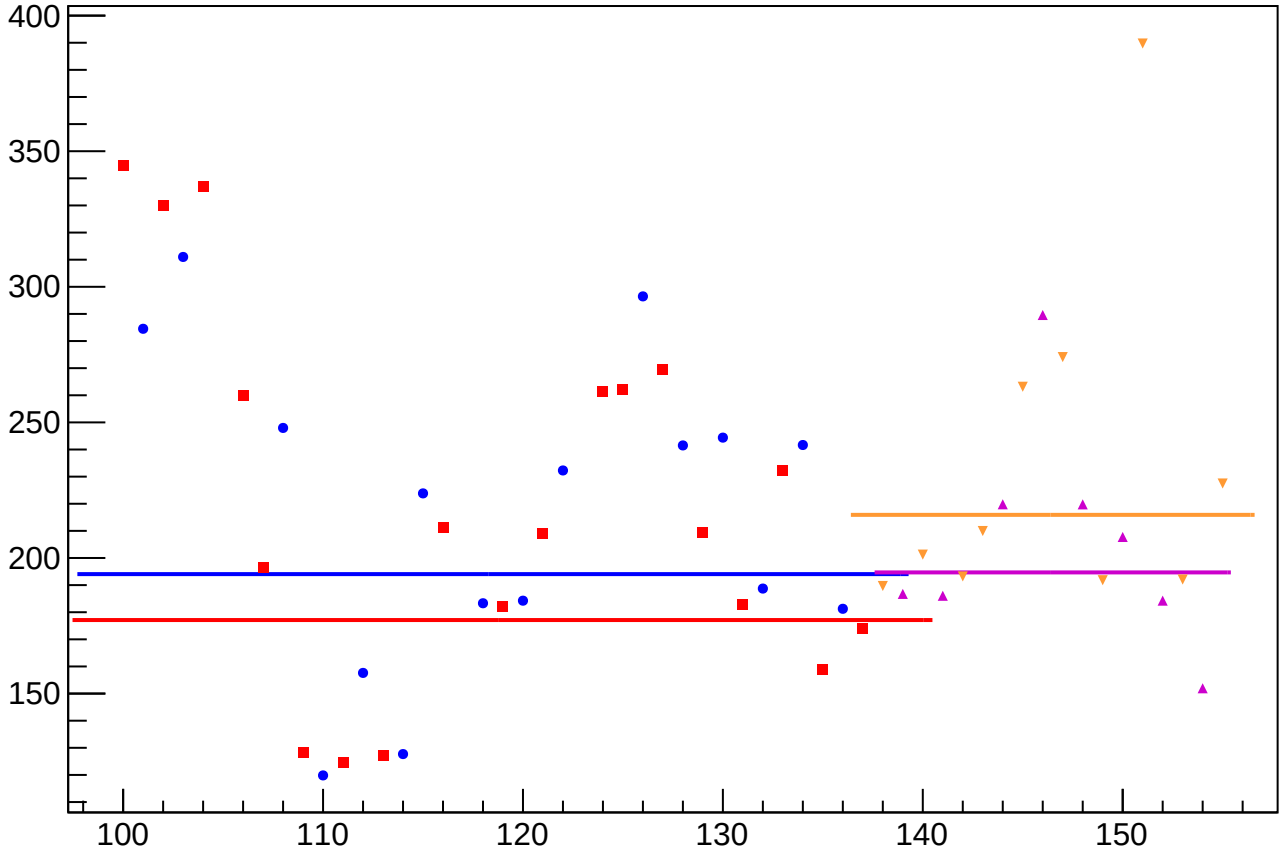
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1908.261+/-54.114 χ^2/NDF:13296.0/23

Out: -697.723+/-52.246 χ^2/NDF:7409.5/28

All: -1281.736+/-37.586 χ^2/NDF: 20964.5/52

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.905+/-0.056 χ^2/NDF:543029.1/9

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 194.680+/-0.055 χ^2/NDF:386025.1/7

Left: 204.933+/-0.039 χ^2/NDF: 1002243.7/17

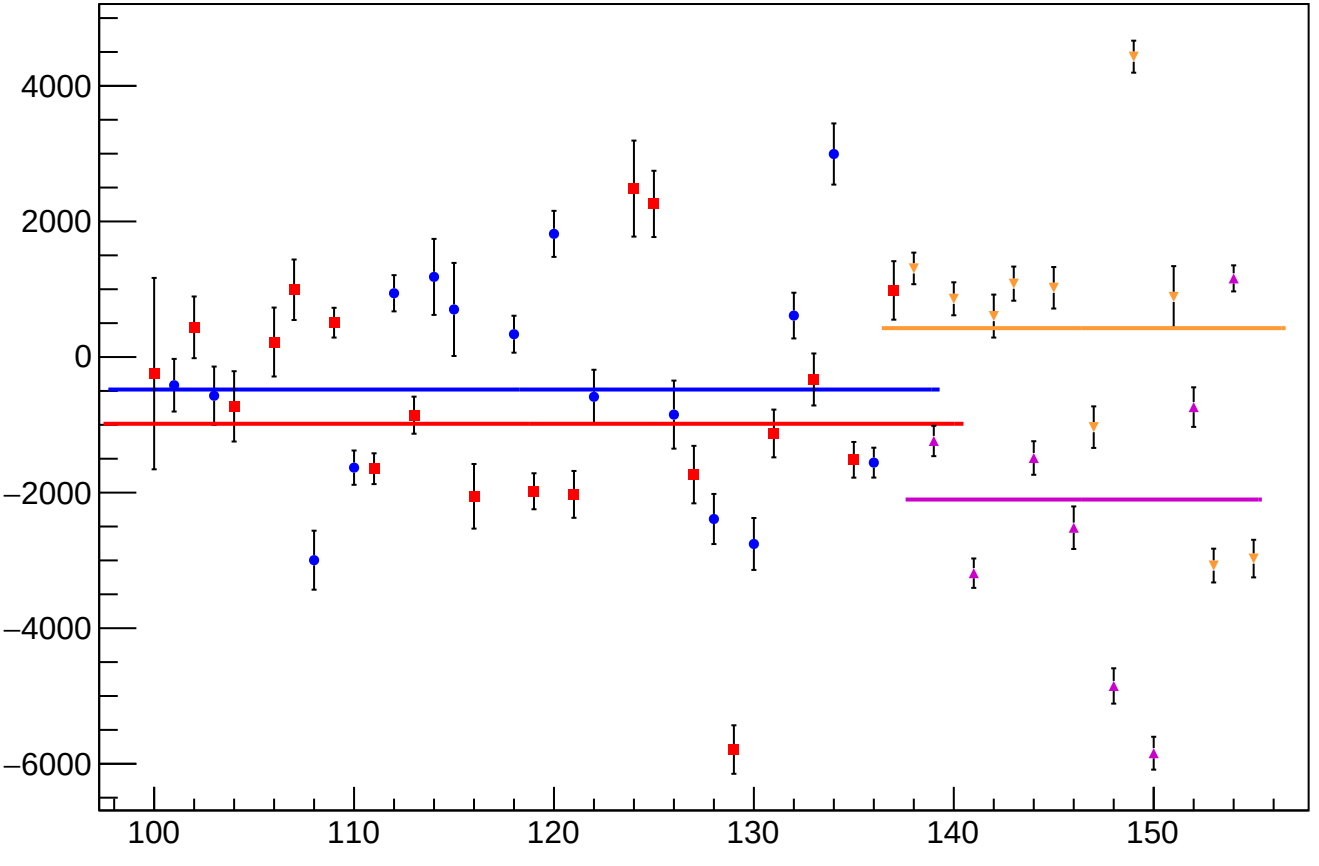
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 194.362+/-0.038 χ^2/NDF:1351878.4/23

Out: 193.755+/-0.037 χ^2/NDF:2172424.4/28

All: 194.048+/-0.027 χ^2/NDF: 3524433.1/52

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 426.086+/-86.315 χ^2/NDF:687.3/9

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -2101.997+/-85.033 χ^2/NDF:707.6/7

Left: -856.874+/-60.575 χ^2/NDF: 1830.2/17

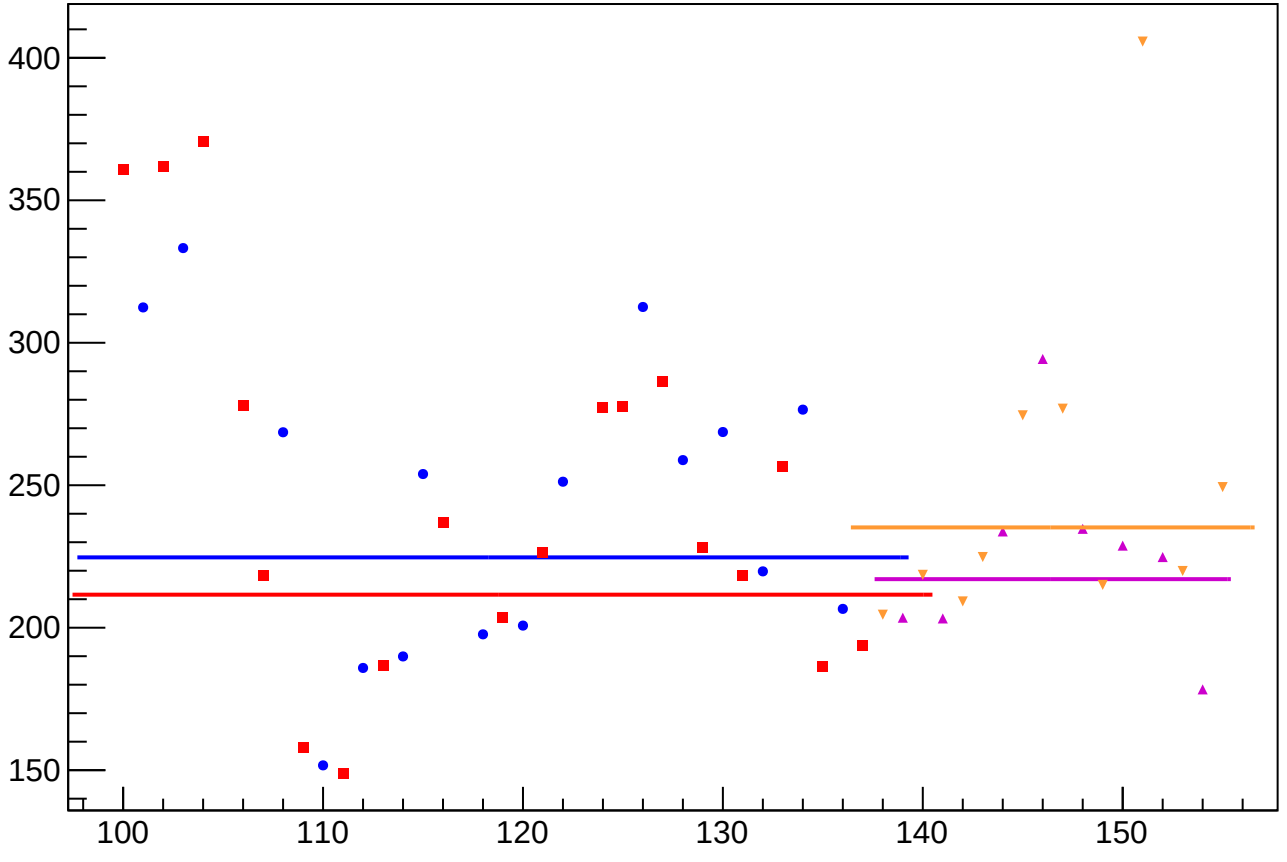
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1306.263+/-60.703 χ^2/NDF:1191.6/23

Out: -324.444+/-59.044 χ^2/NDF:1227.5/28

All: -801.755+/-42.325 χ^2/NDF: 2553.6/52

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.197+/-0.061 χ^2/NDF:440435.6/9

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 217.041+/-0.060 χ^2/NDF:242203.9/7

Left: 225.983+/-0.043 χ^2/NDF: 727543.5/17

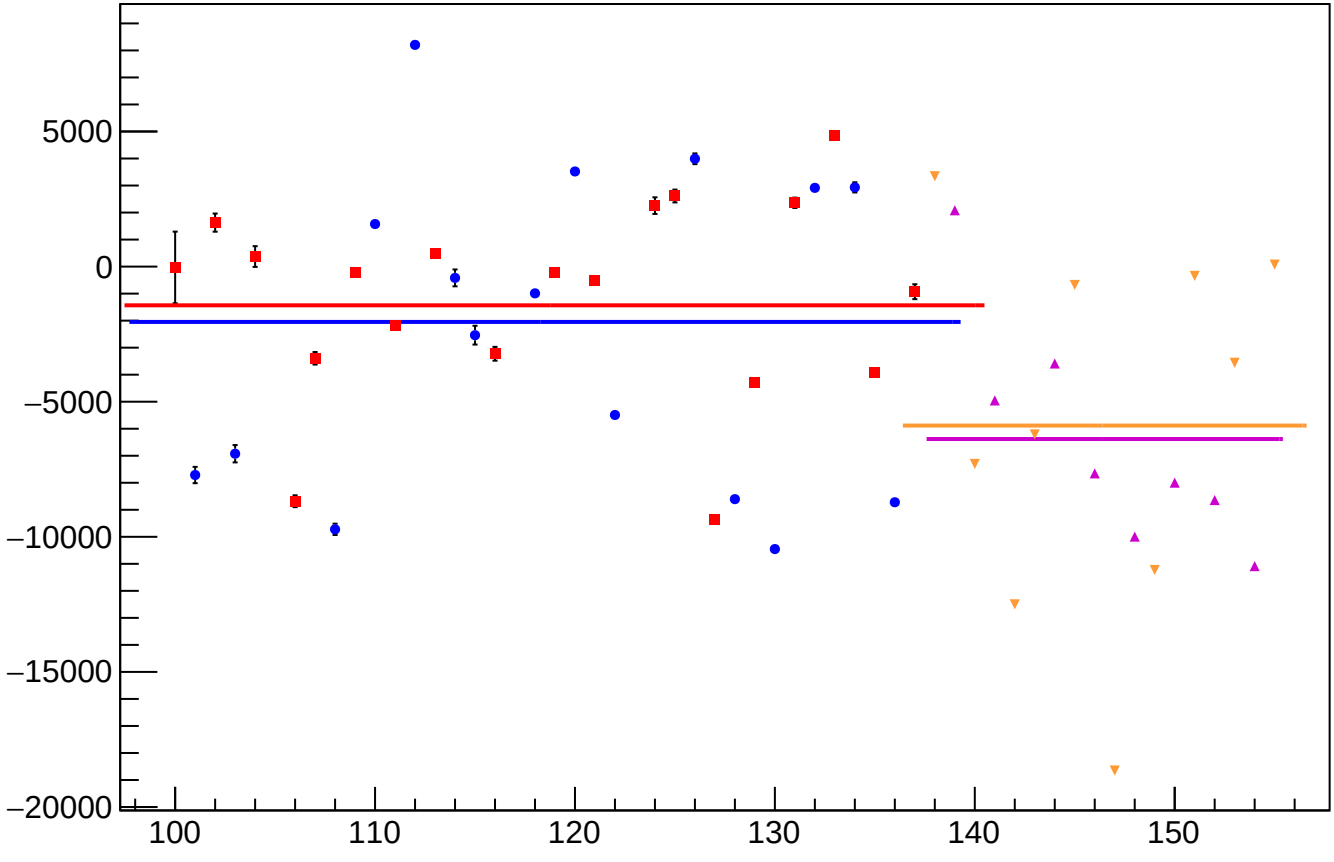
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 220.789+/-0.043 χ^2/NDF:903317.1/23

Out: 222.639+/-0.042 χ^2/NDF:1452902.2/28

All: 221.739+/-0.030 χ^2/NDF: 2357174.2/52

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -5882.971+/-41.094 χ^2/NDF:25581.6/9

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -6381.011+/-43.932 χ^2/NDF:7948.7/7

Left: -6115.382+/-30.011 χ^2/NDF: 33598.8/17

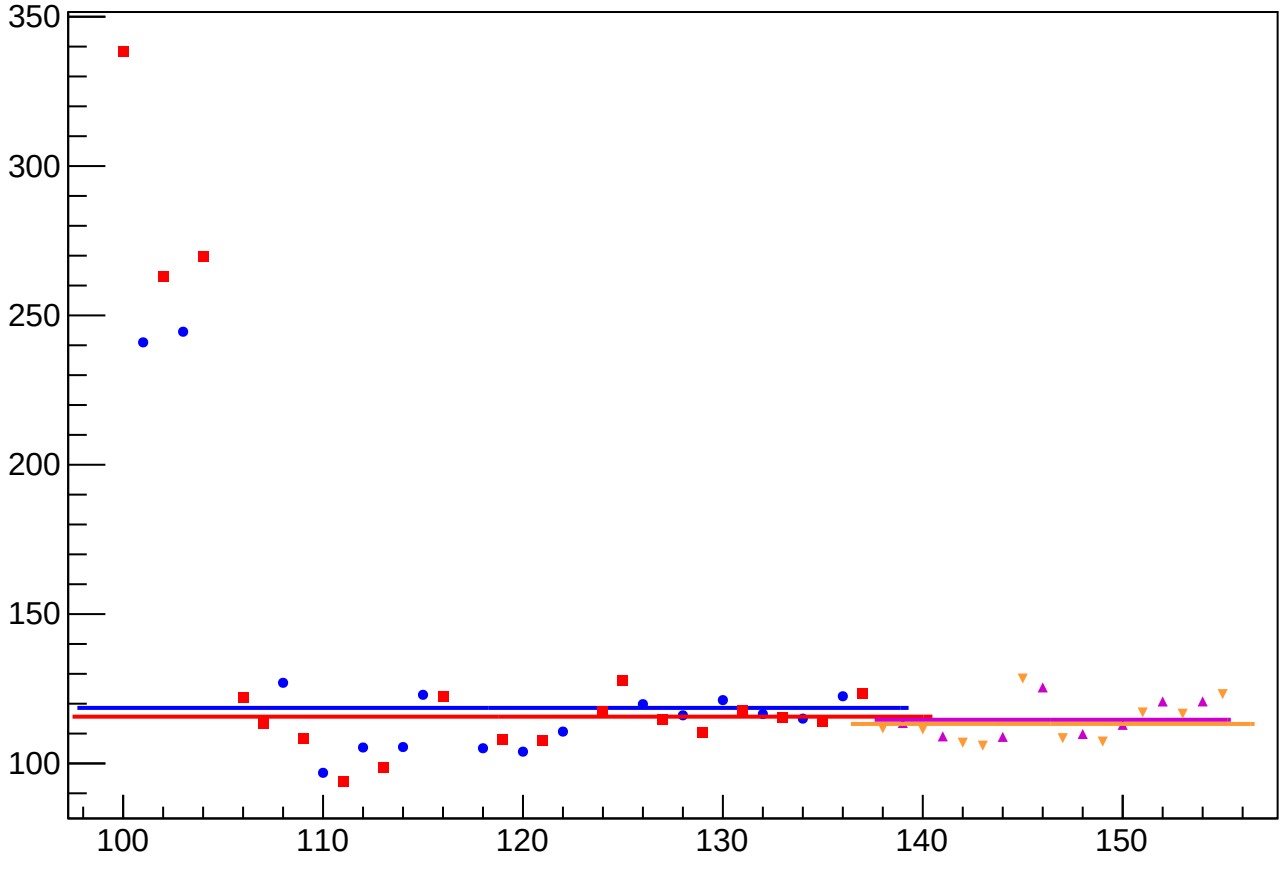
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4347.369+/-32.006 χ^2/NDF:29224.2/23

Out: -3846.104+/-30.261 χ^2/NDF:37337.0/28

All: -4082.706+/-21.989 χ^2/NDF: 66690.7/52

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 113.225+/-0.029 χ^2/NDF:54941.0/9

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 114.625+/-0.031 χ^2/NDF:34818.4/7

Left: 113.878+/-0.021 χ^2/NDF: 90842.8/17

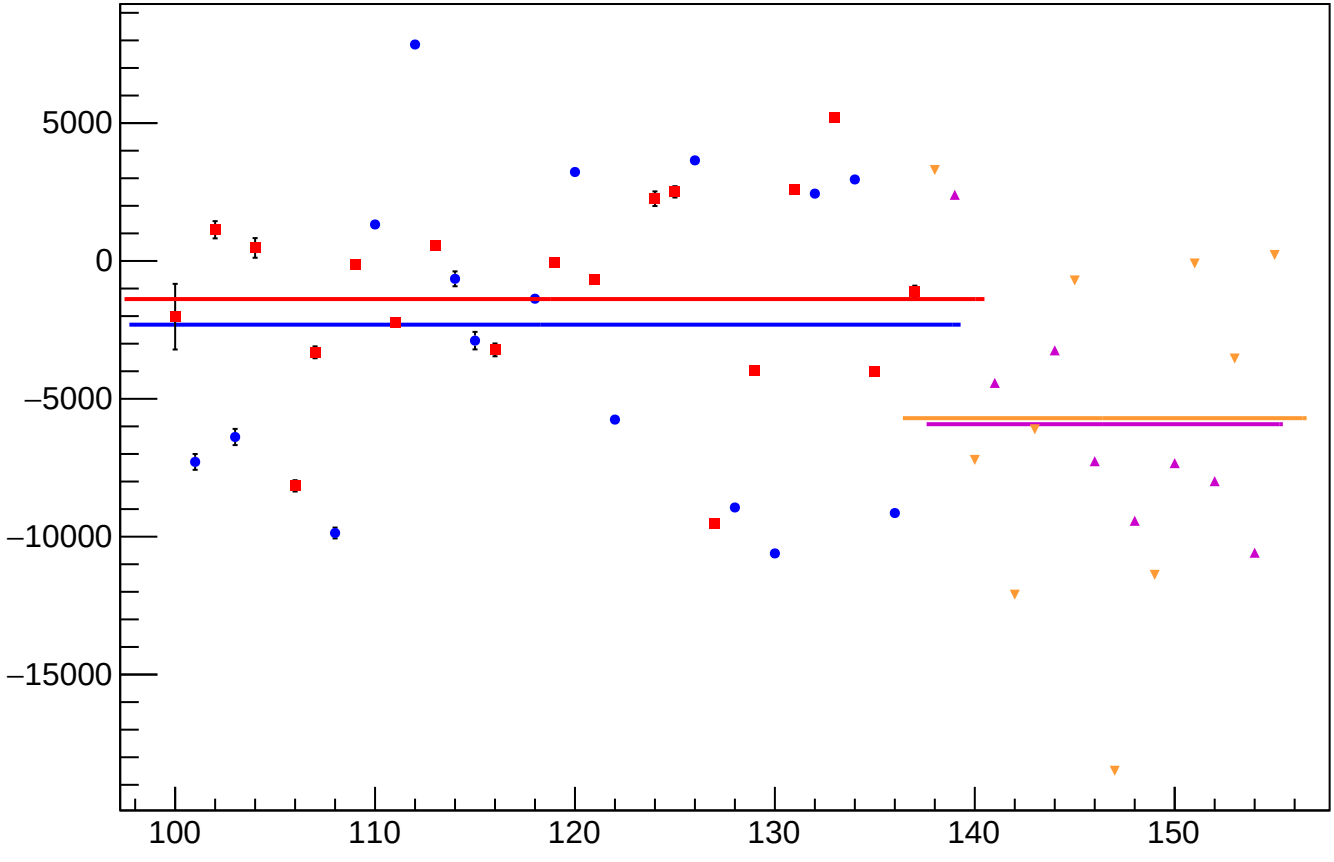
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.488+/-0.023 χ^2/NDF:776643.9/23

Out: 114.339+/-0.021 χ^2/NDF:922360.4/28

All: 115.354+/-0.016 χ^2/NDF: 1703765.1/52

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -5701.735+/-37.158 χ^2/NDF:30783.6/9

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -5920.470+/-39.729 χ^2/NDF:9531.0/7

Left: -5803.795+/-27.138 χ^2/NDF: 40330.9/17

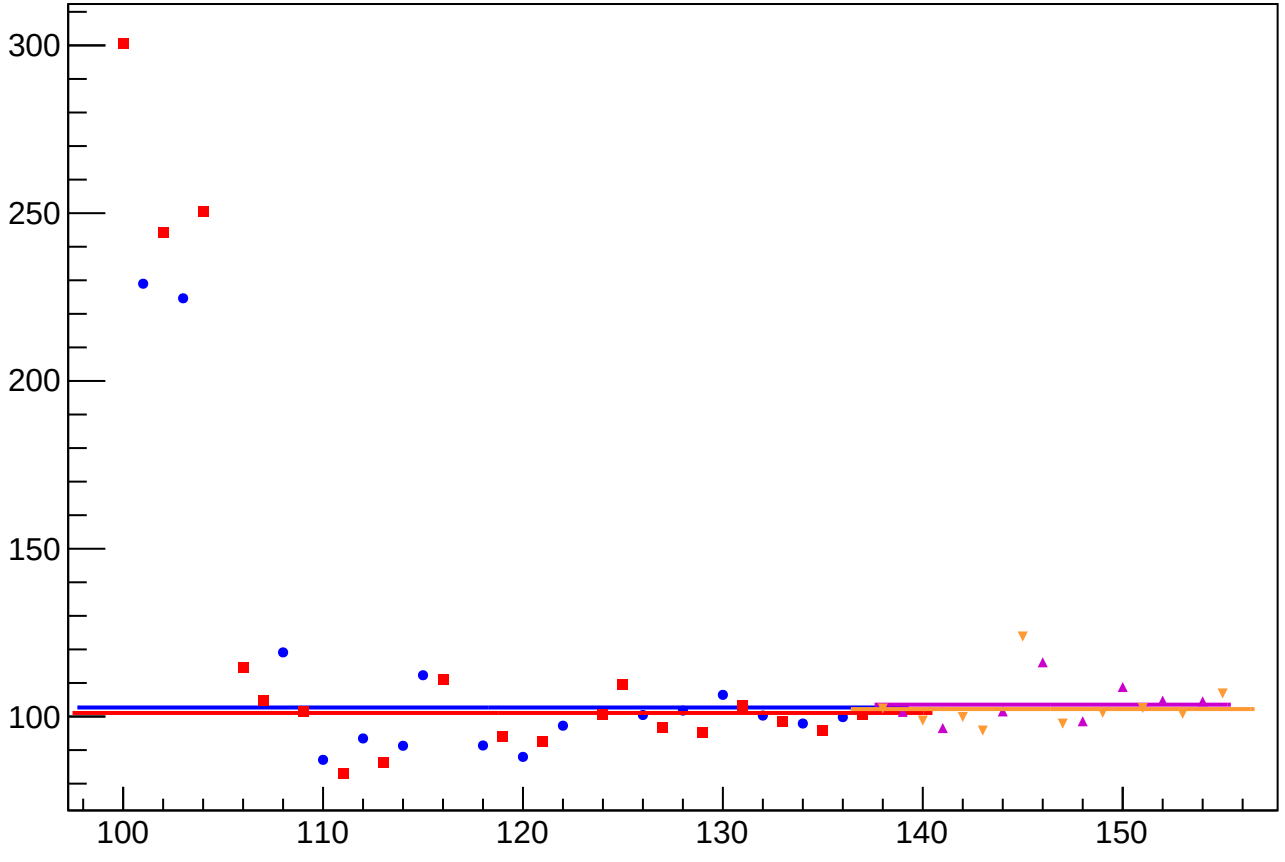
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -4160.619+/-28.441 χ^2/NDF:35235.4/23

Out: -3665.191+/-27.014 χ^2/NDF:45734.0/28

All: -3900.156+/-19.587 χ^2/NDF: 81128.9/52

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 102.221+/-0.026 χ^2/NDF:63912.3/9

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 103.538+/-0.028 χ^2/NDF:39616.5/7

Left: 102.835+/-0.019 χ^2/NDF: 104701.0/17

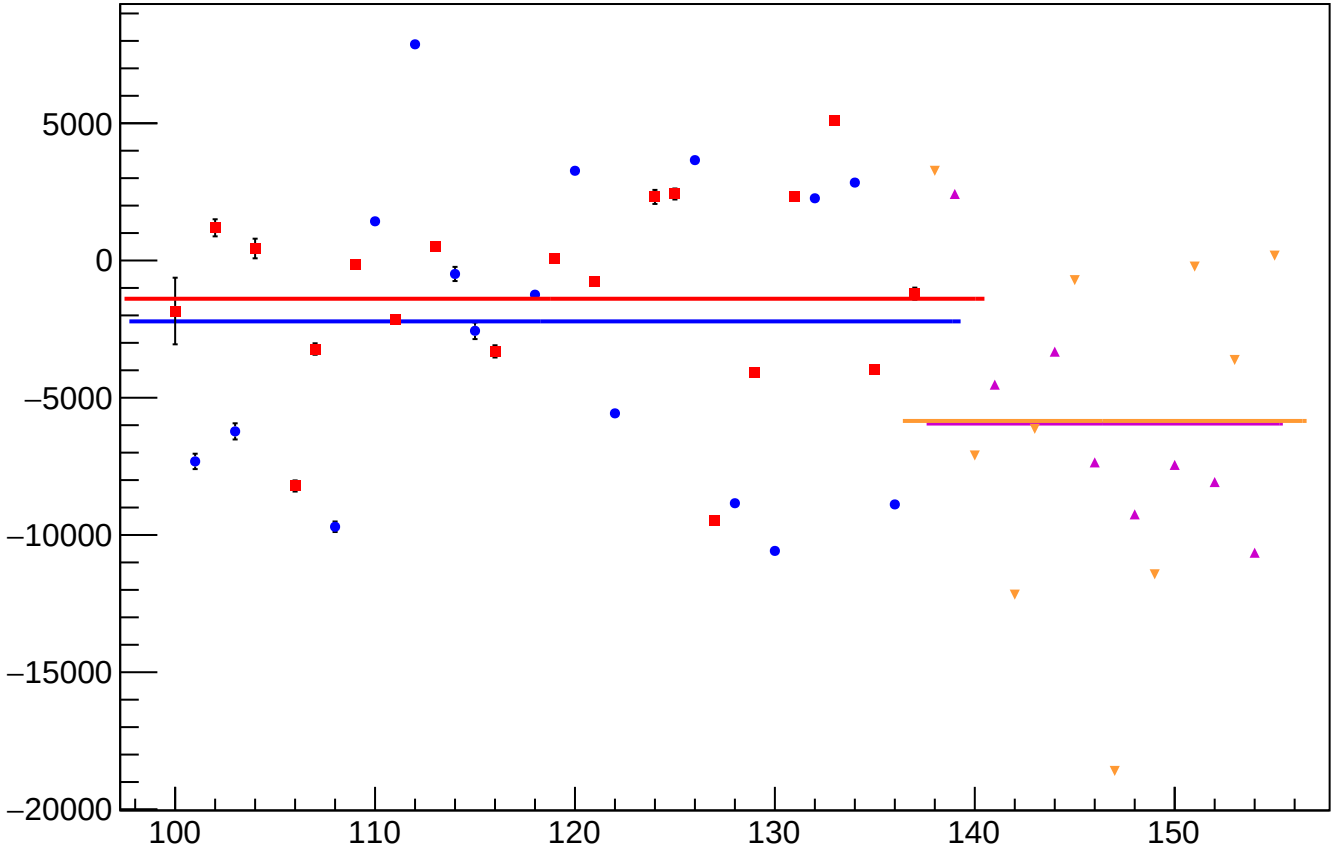
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 103.126+/-0.020 χ^2/NDF:865858.0/23

Out: 101.675+/-0.019 χ^2/NDF:995285.3/28

All: 102.363+/-0.014 χ^2/NDF: 1863880.6/52

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -5845.255+/-36.165 χ^2/NDF:33283.5/9

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -5940.058+/-38.641 χ^2/NDF:10050.6/7

Left: -5889.521+/-26.404 χ^2/NDF: 43337.3/17

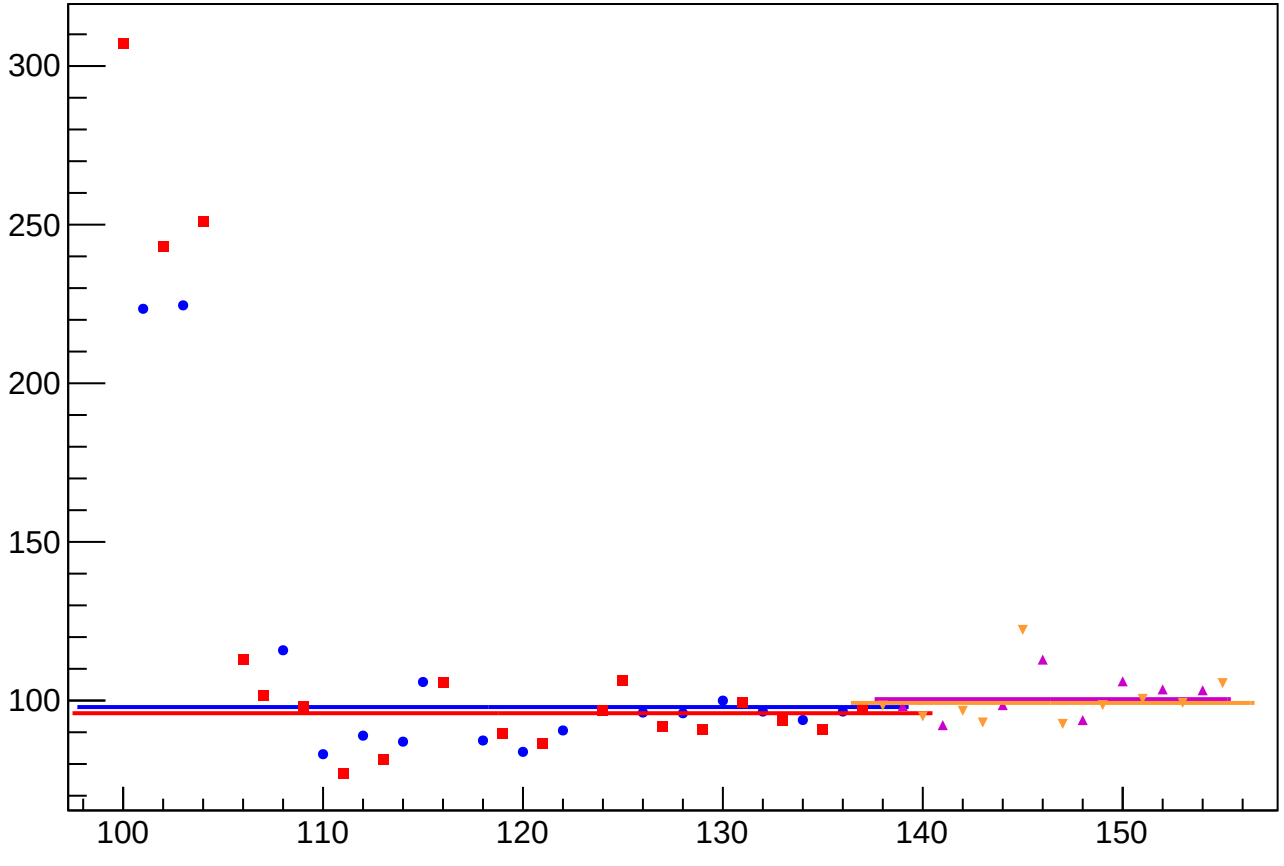
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -4098.091+/-27.463 χ^2/NDF:37682.8/23

Out: -3704.800+/-26.058 χ^2/NDF:49721.2/28

All: -3891.129+/-18.903 χ^2/NDF: 87511.9/52

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 99.248+/-0.026 χ^2/NDF:80110.1/9

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 100.441+/-0.027 χ^2/NDF:51746.6/7

Left: 99.805+/-0.019 χ^2/NDF: 132873.1/17

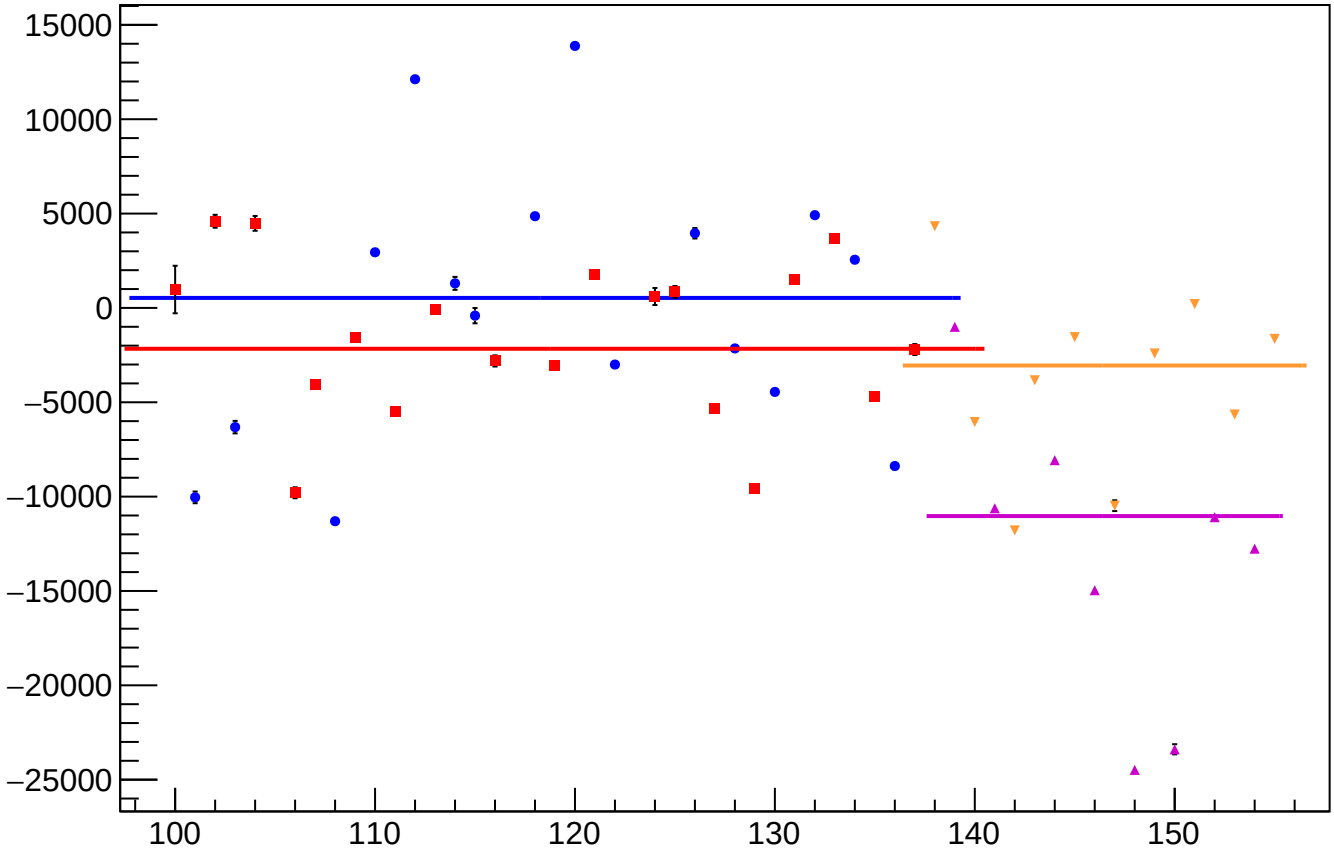
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 99.205+/-0.019 χ^2/NDF:924030.7/23

Out: 97.689+/-0.018 χ^2/NDF:1100132.9/28

All: 98.407+/-0.013 χ^2/NDF: 2027373.1/52

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -3051.405+/-57.032 χ^2/NDF:5507.1/9

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -11030.969+/-64.265 χ^2/NDF:9509.3/7

Left: -6567.084+/-42.657 χ^2/NDF: 23641.2/17

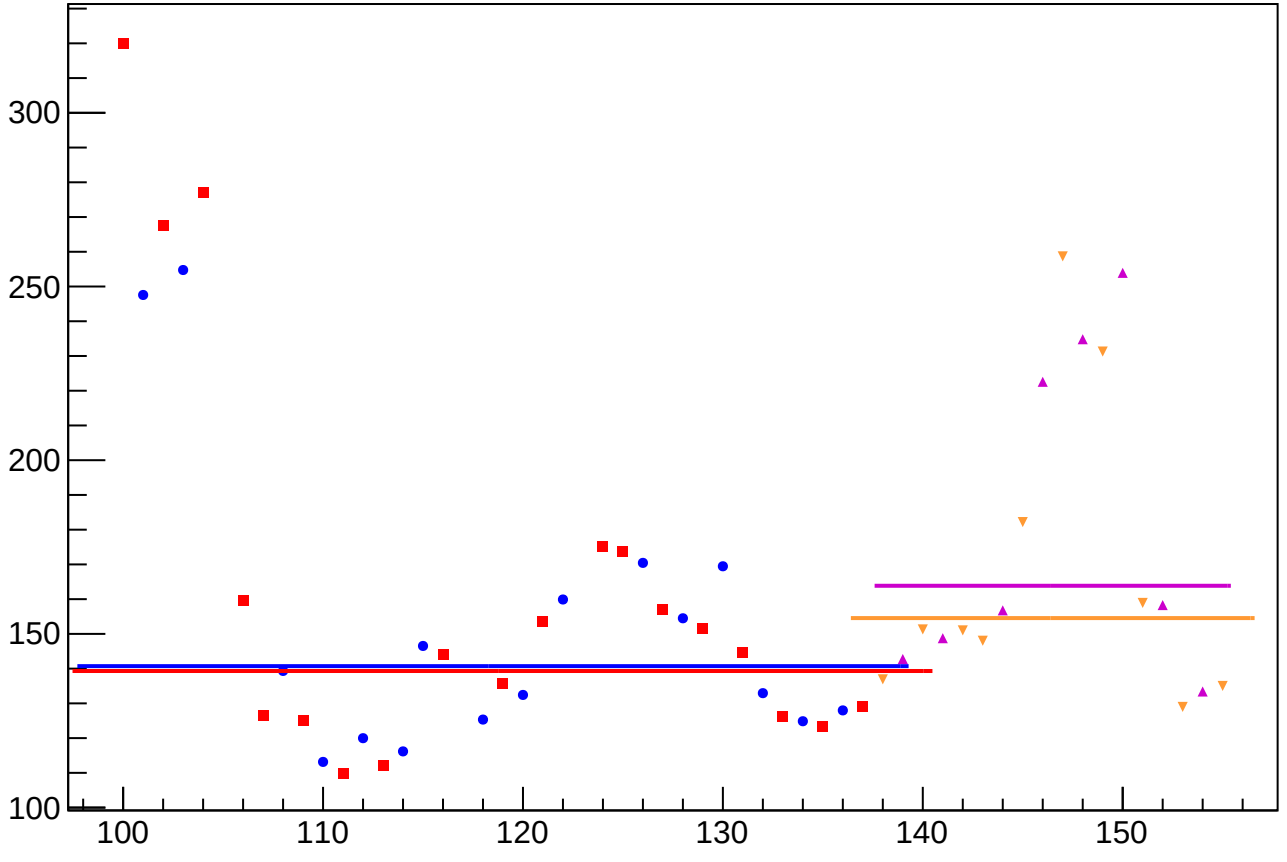
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4342.550+/-41.722 χ^2/NDF:46820.7/23

Out: -2579.557+/-39.003 χ^2/NDF:10602.8/28

All: -3401.733+/-28.492 χ^2/NDF: 58376.4/52

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 154.552+/-0.040 χ^2/NDF:614600.8/9

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 163.854+/-0.045 χ^2/NDF:644613.2/7

Left: 158.650+/-0.030 χ^2/NDF: 1282656.2/17

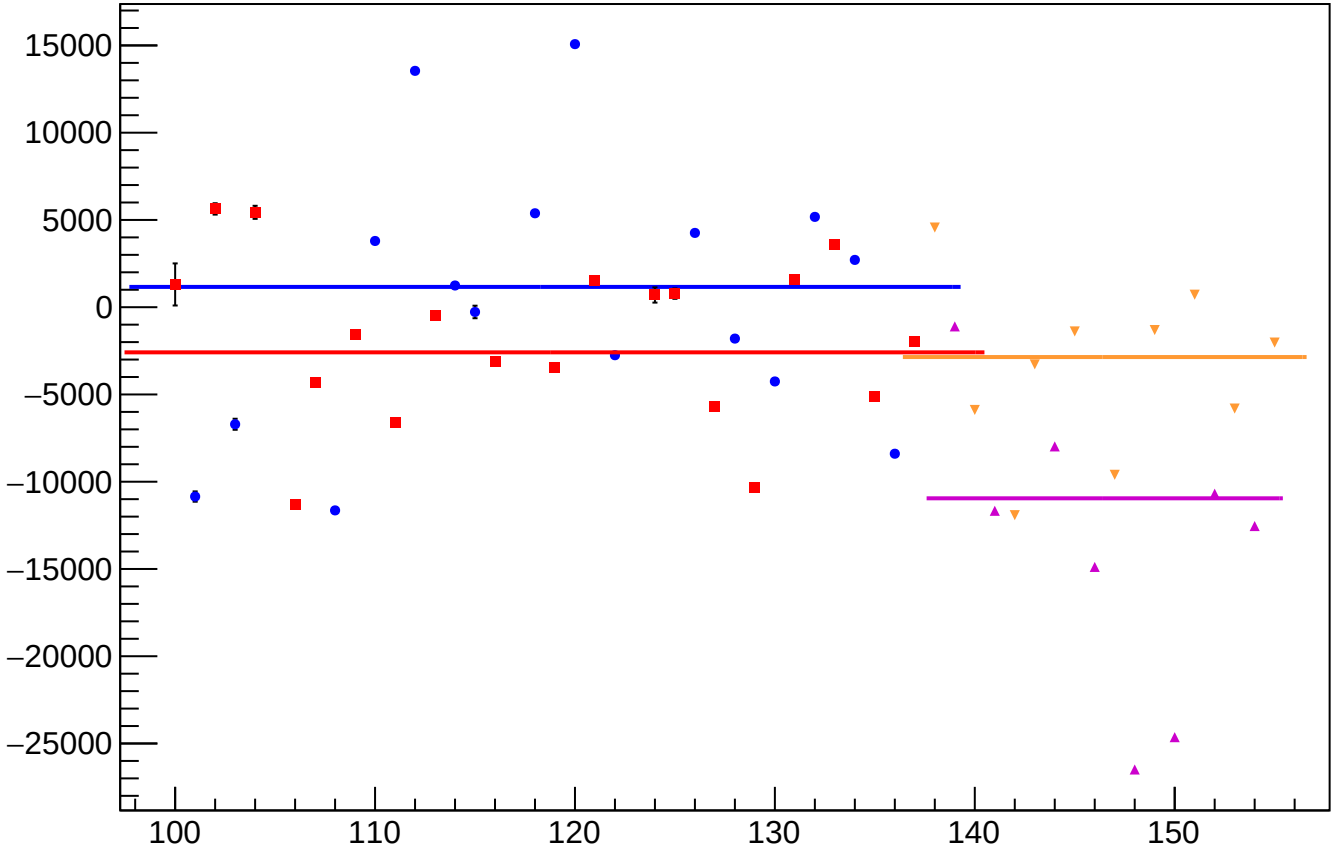
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 150.468+/-0.030 χ^2/NDF:1470228.0/23

Out: 146.442+/-0.028 χ^2/NDF:1492886.5/28

All: 148.320+/-0.020 χ^2/NDF: 2973052.3/52

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2856.227+/-50.375 χ^2/NDF:7263.2/9

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -10951.030+/-57.063 χ^2/NDF:12763.1/7

Left: -6401.666+/-37.765 χ^2/NDF: 31335.8/17

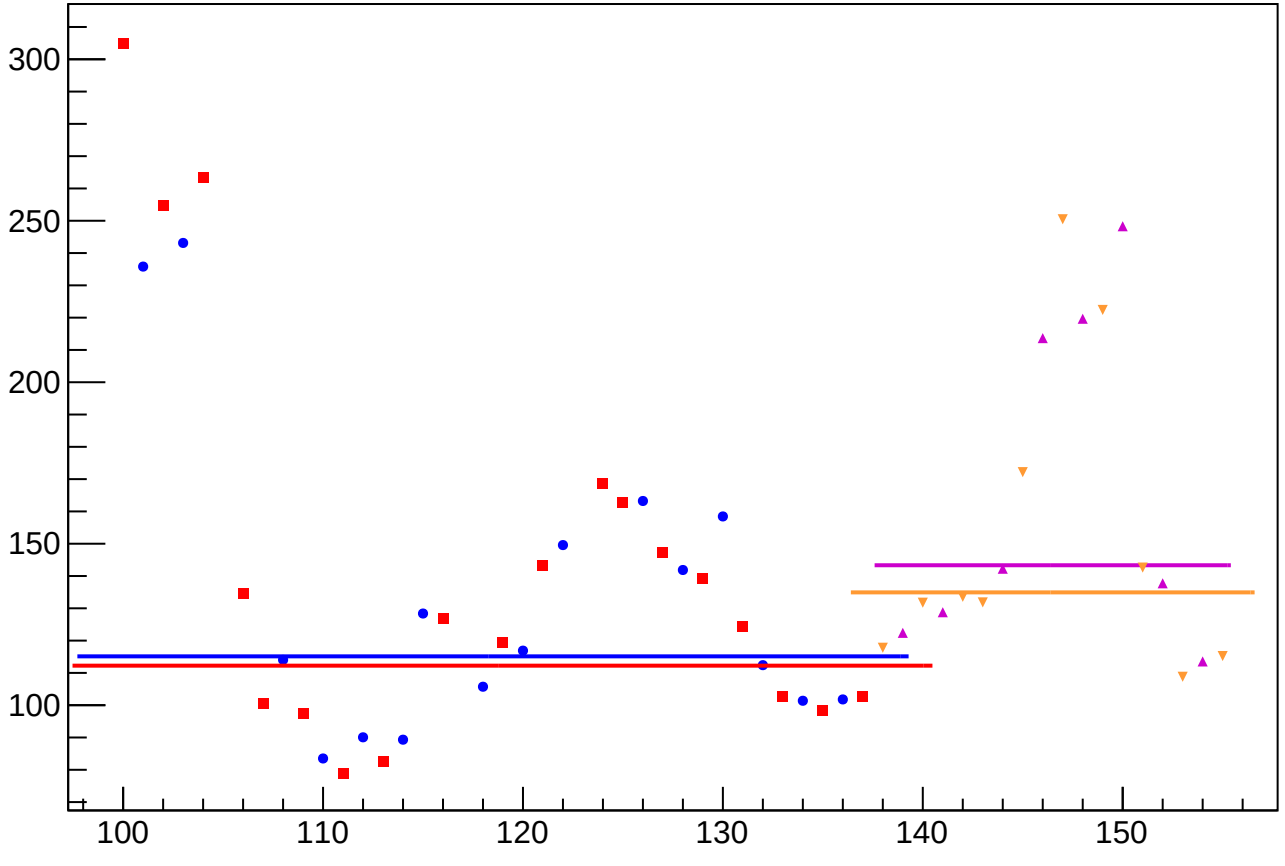
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3599.656+/-35.780 χ^2/NDF:70866.4/23

Out: -2704.139+/-33.248 χ^2/NDF:15379.1/28

All: -3119.097+/-24.356 χ^2/NDF: 86581.6/52

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 134.932+/-0.036 χ^2/NDF:859217.1/9

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 143.333+/-0.040 χ^2/NDF:892468.6/7

Left: 138.612+/-0.027 χ^2/NDF: 1776044.4/17

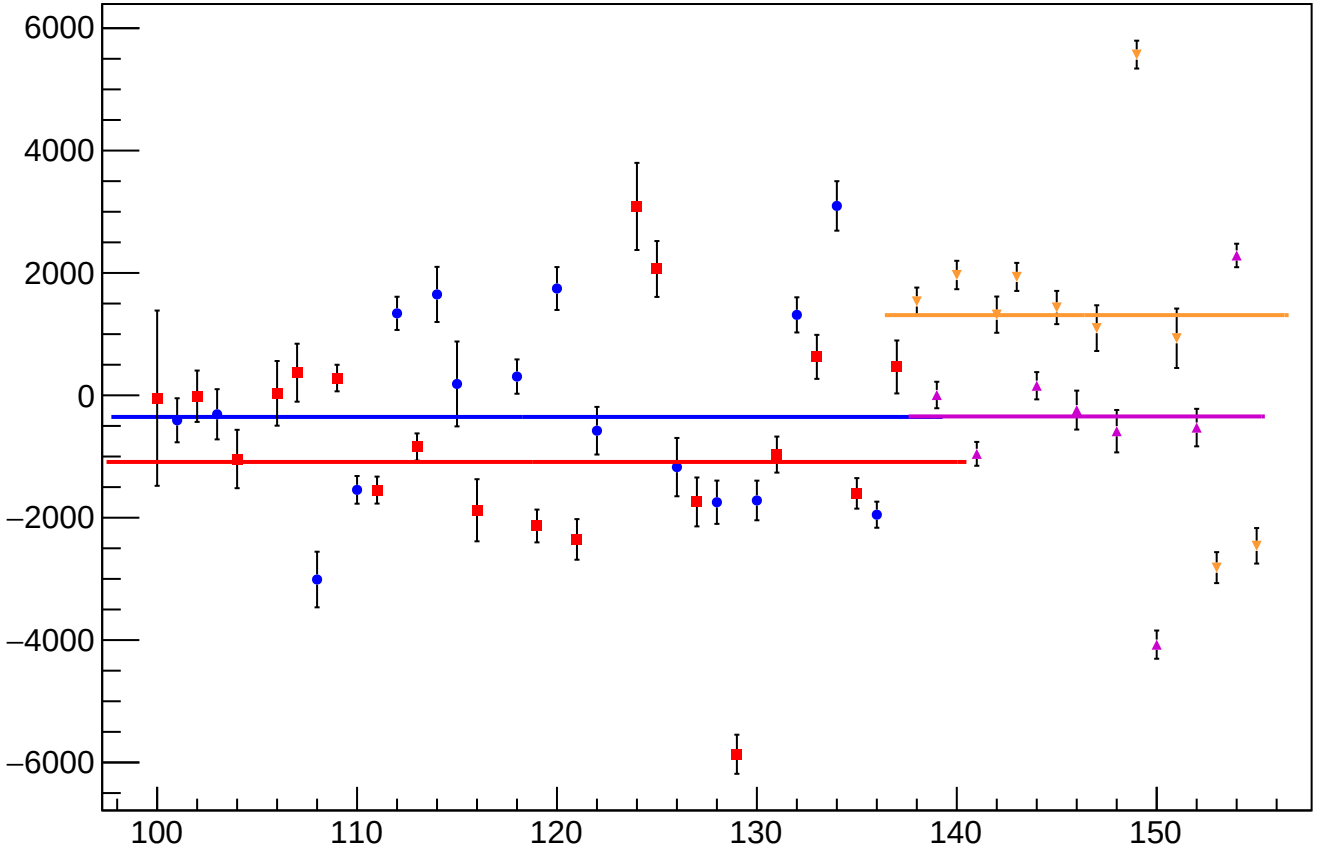
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 126.215+/-0.025 χ^2/NDF:2302019.1/23

Out: 122.126+/-0.024 χ^2/NDF:2416402.4/28

All: 124.021+/-0.017 χ^2/NDF: 4732442.1/52

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1310.857+/-84.470 χ^2/NDF:801.2/9

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: -344.986+/-83.732 χ^2/NDF:468.1/7

Left: 475.666+/-59.467 χ^2/NDF: 1463.2/17

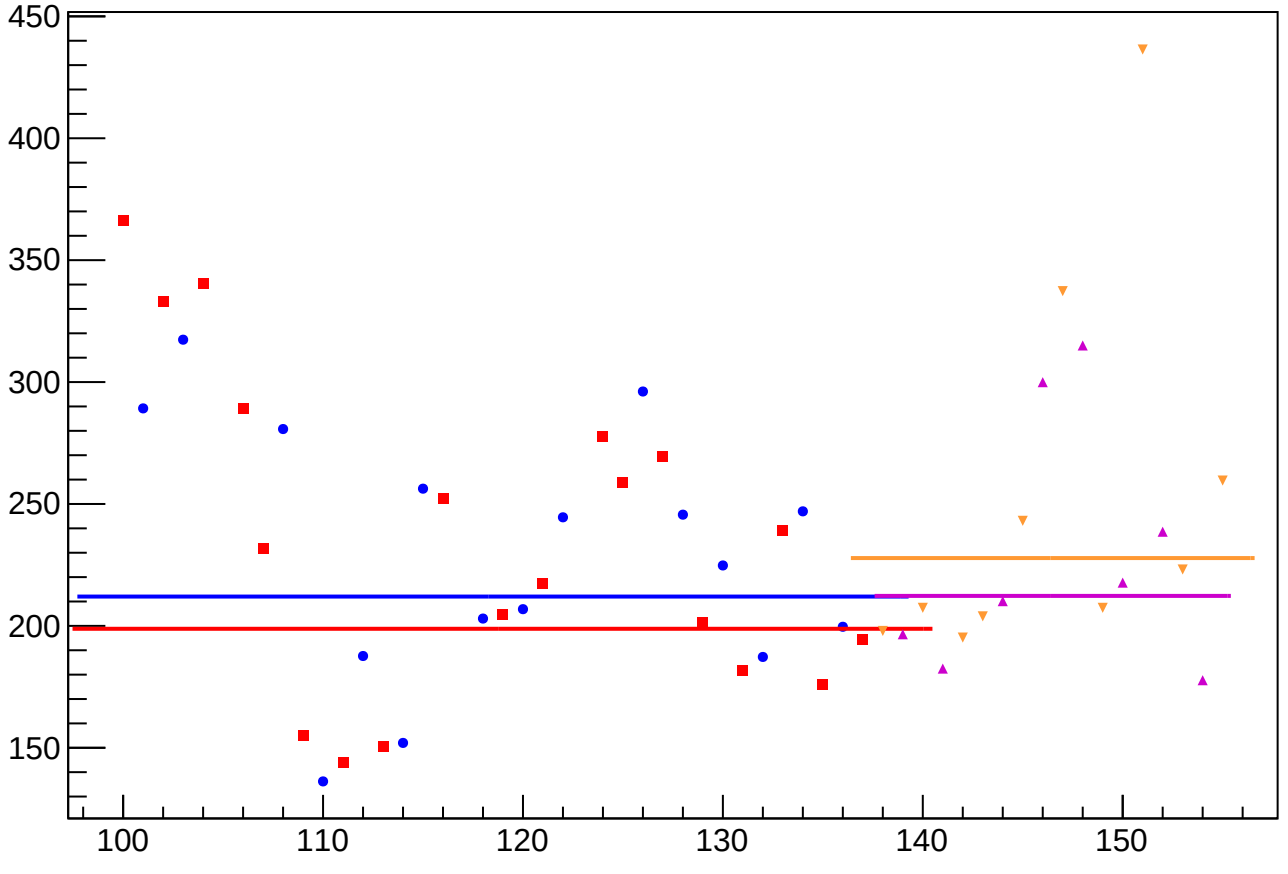
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -349.136+/-58.635 χ^2/NDF:829.9/23

Out: -8.344+/-56.680 χ^2/NDF:1692.1/28

All: -172.963+/-40.752 χ^2/NDF: 2539.4/52

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 227.815+/-0.060 χ^2/NDF:684262.9/9

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 212.298+/-0.059 χ^2/NDF:465883.5/7

Left: 219.989+/-0.042 χ^2/NDF: 1184188.2/17

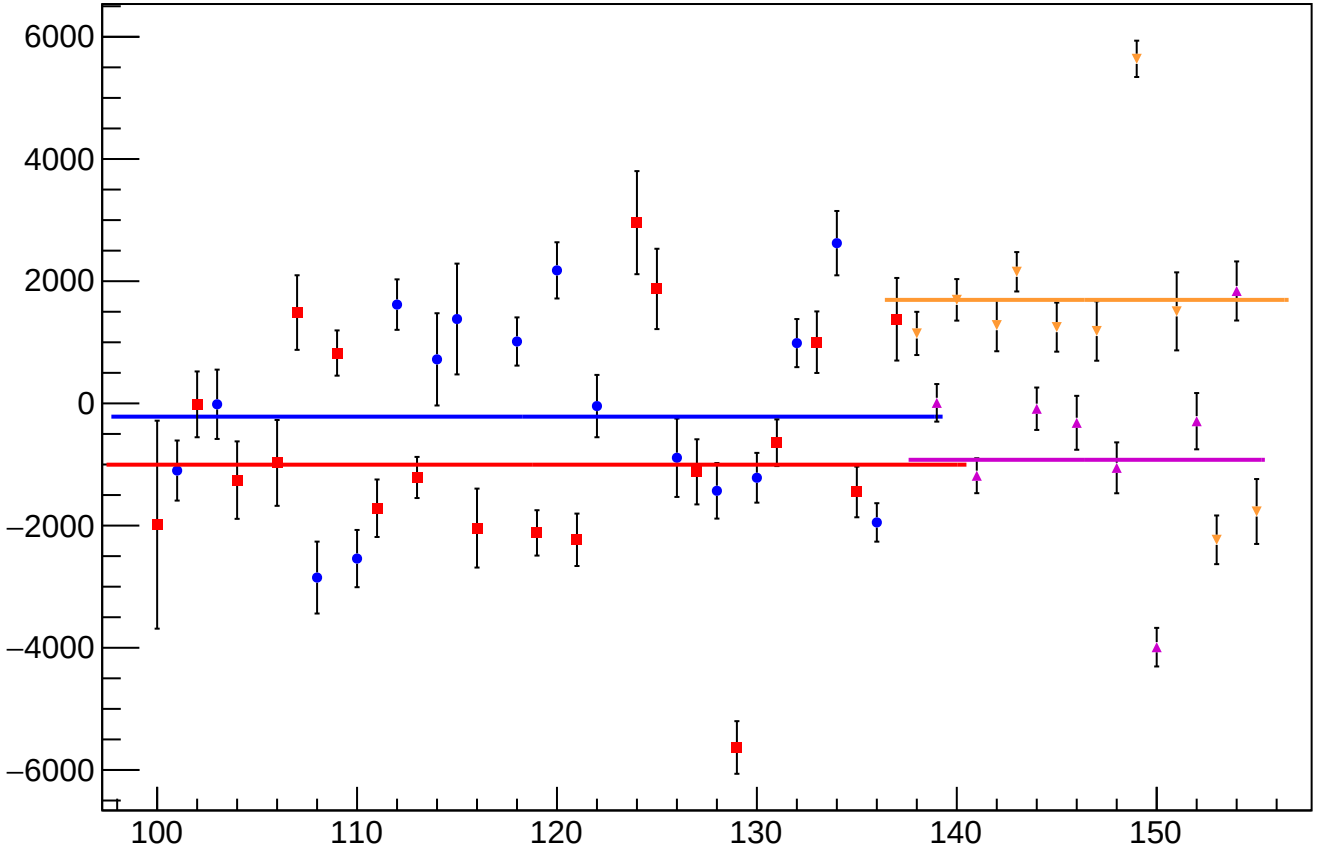
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 212.160+/-0.041 χ^2/NDF:1156252.2/23

Out: 211.869+/-0.040 χ^2/NDF:1788841.1/28

All: 212.010+/-0.029 χ^2/NDF: 2945118.9/52

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1694.304+/-123.288 χ^2/NDF:323.6/9

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -923.220+/-128.001 χ^2/NDF:146.6/7

Left: 434.620+/-88.797 χ^2/NDF: 687.1/17

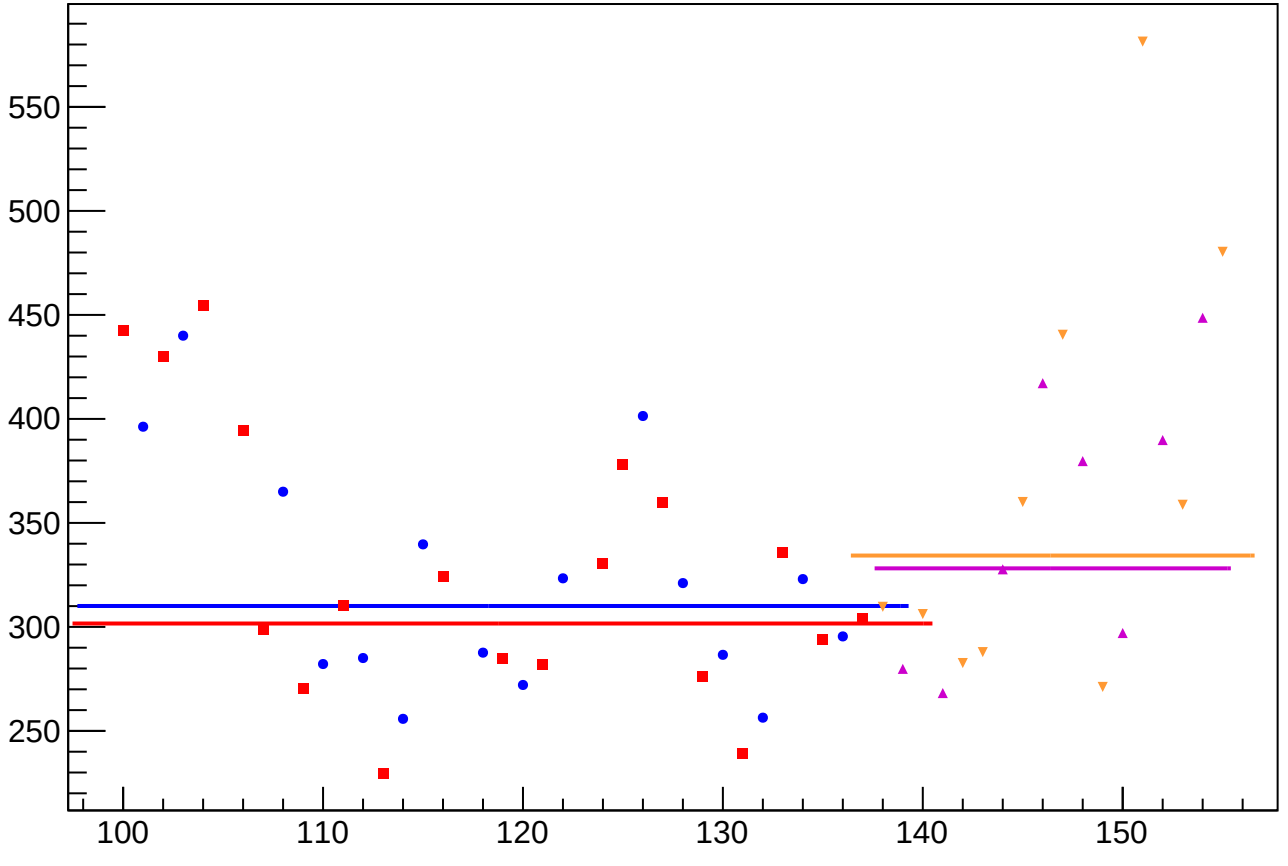
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -541.083+/-86.714 χ^2/NDF:355.3/23

Out: 229.720+/-83.347 χ^2/NDF:837.8/28

All: -140.427+/-60.090 χ^2/NDF: 1234.1/52

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 334.314+/-0.087 χ^2/NDF:745947.1/9

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 328.152+/-0.091 χ^2/NDF:428769.5/7

Left: 331.348+/-0.063 χ^2/NDF: 1177121.1/17

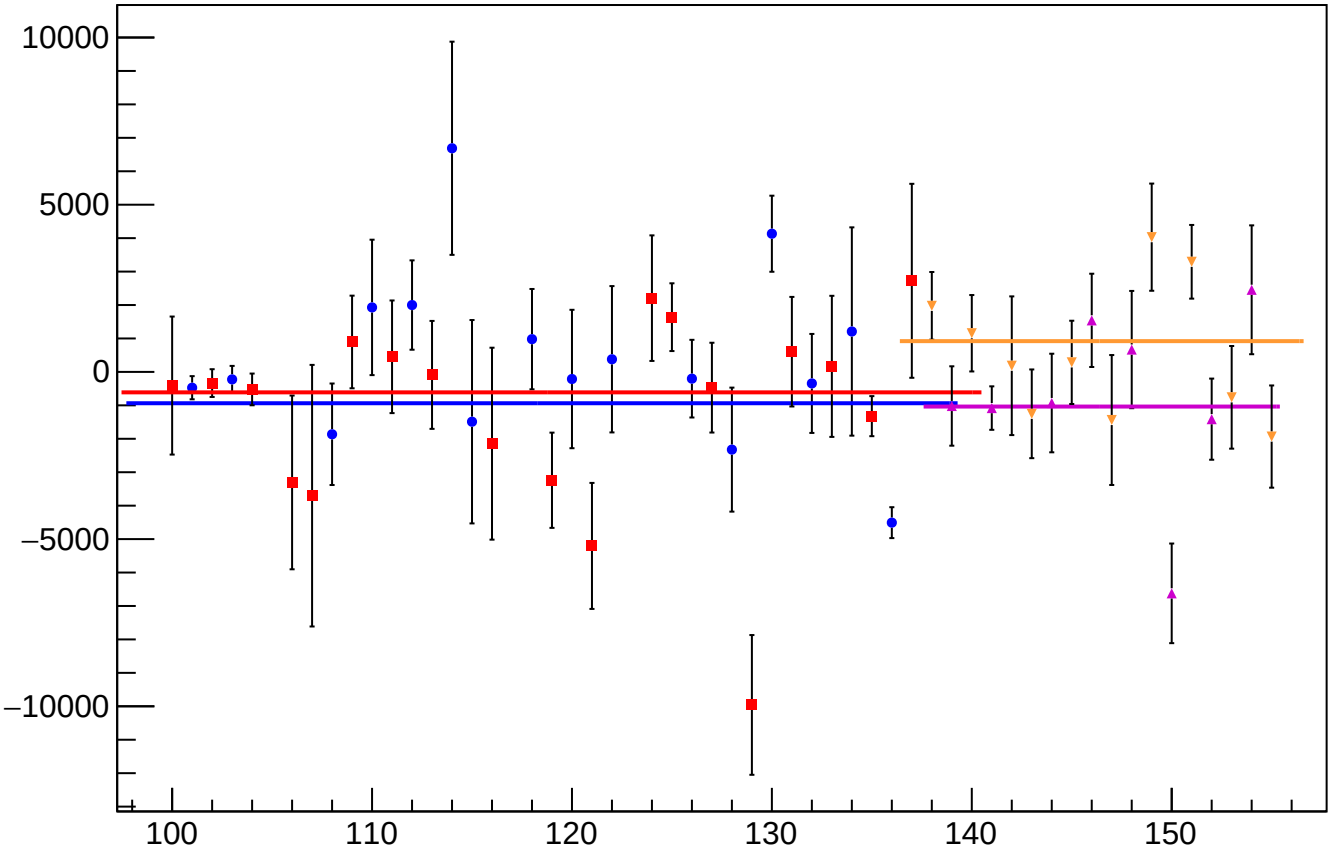
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 318.364+/-0.061 χ^2/NDF:773665.6/23

Out: 316.571+/-0.059 χ^2/NDF:1342121.7/28

All: 317.432+/-0.042 χ^2/NDF: 2116231.6/52

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 920.085+/-425.684 χ^2/NDF:18.8/9

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -1036.258+/-416.114 χ^2/NDF:21.8/7

Left: -80.326+/-297.563 χ^2/NDF: 51.4/17

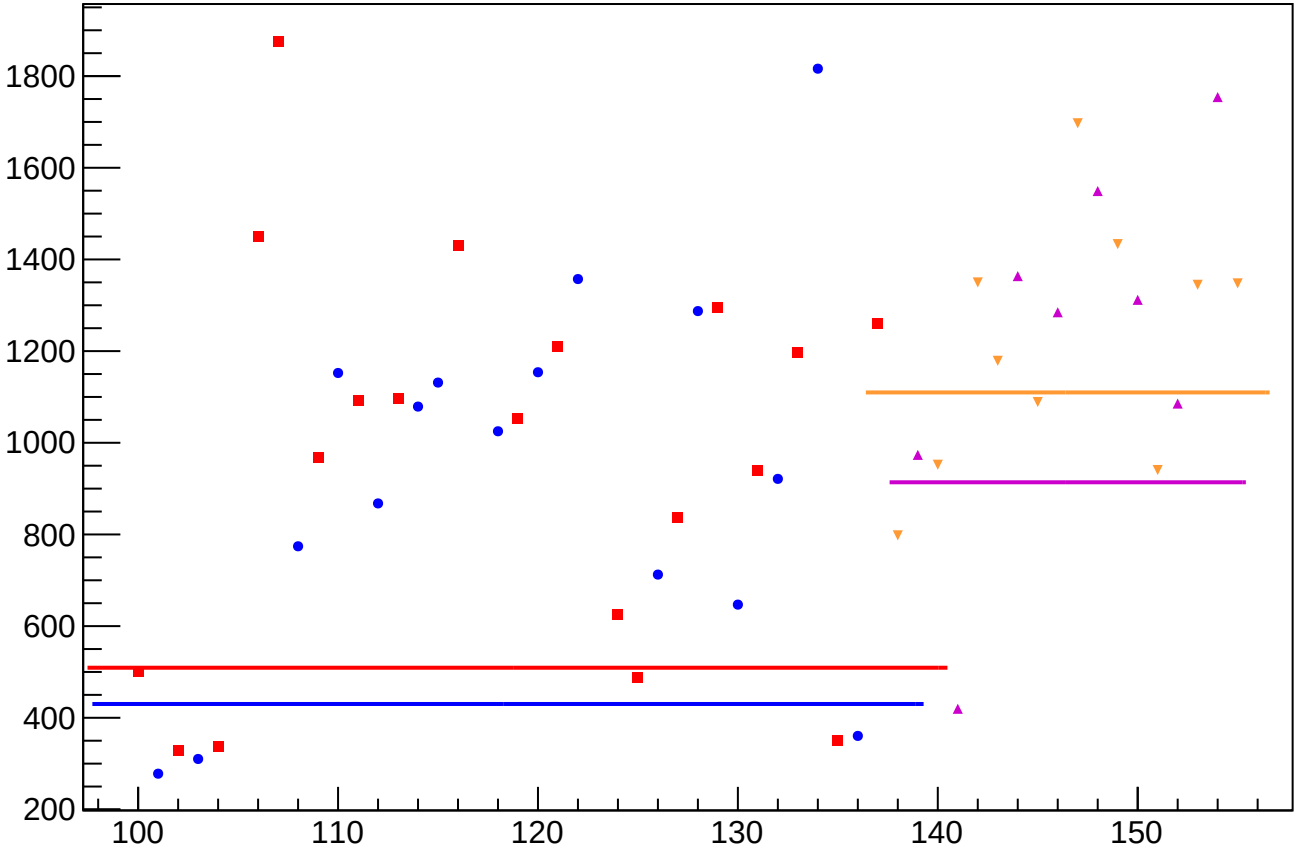
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -956.302+/-183.690 χ^2/NDF:123.1/23

Out: -258.216+/-204.484 χ^2/NDF:72.8/28

All: -644.547+/-136.650 χ^2/NDF: 202.3/52

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1109.843+/-0.301 χ^2/NDF:667388.4/9

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 913.820+/-0.294 χ^2/NDF:2314595.4/7

Left: 1009.603+/-0.210 χ^2/NDF: 3198854.4/17

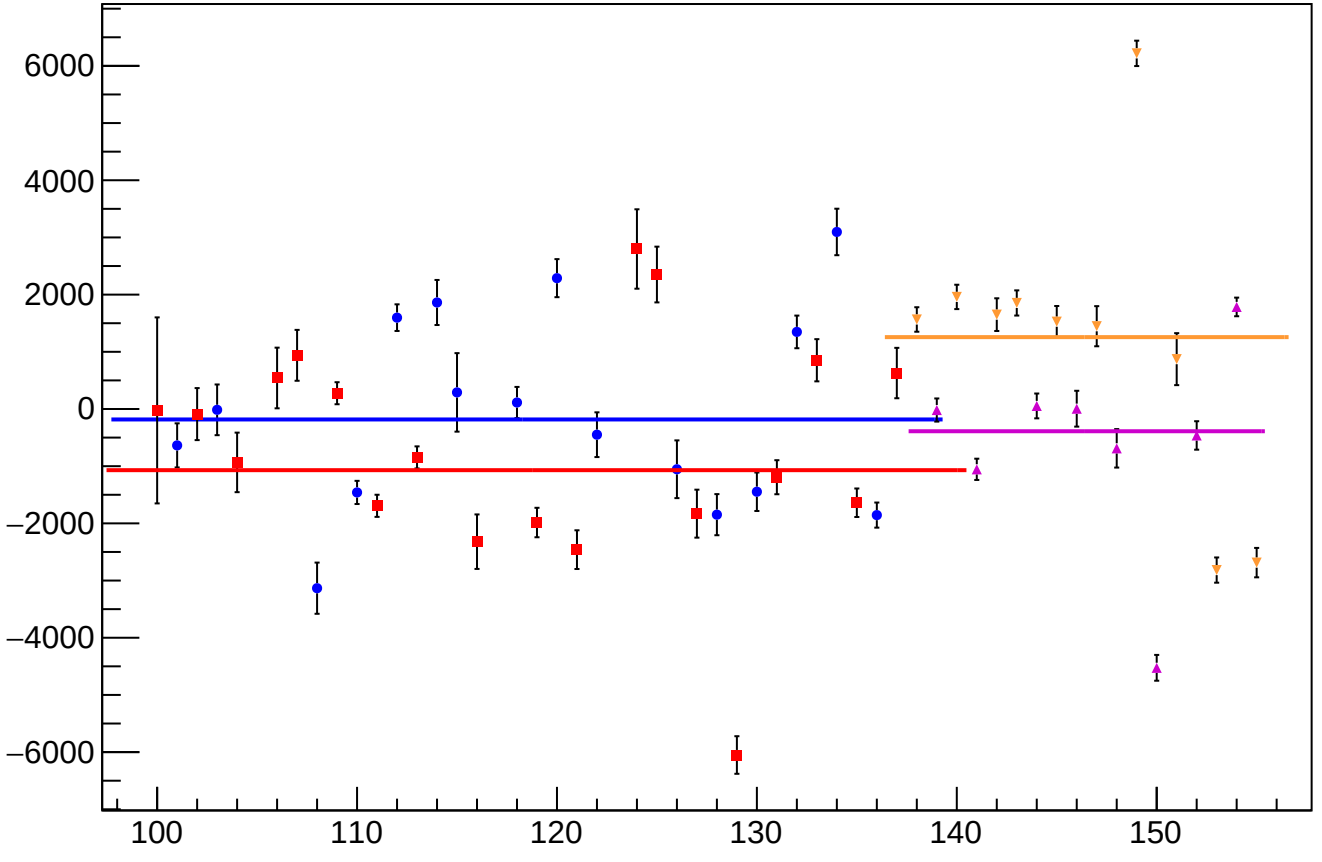
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 524.372+/-0.130 χ^2/NDF:8012370.8/23

Out: 647.826+/-0.145 χ^2/NDF:7403506.3/28

All: 579.505+/-0.097 χ^2/NDF: 15819315.5/52

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1256.709+/-79.310 χ^2/NDF:1100.4/9

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: -388.975+/-77.362 χ^2/NDF:537.0/7

Left: 413.416+/-55.379 χ^2/NDF: 1858.0/17

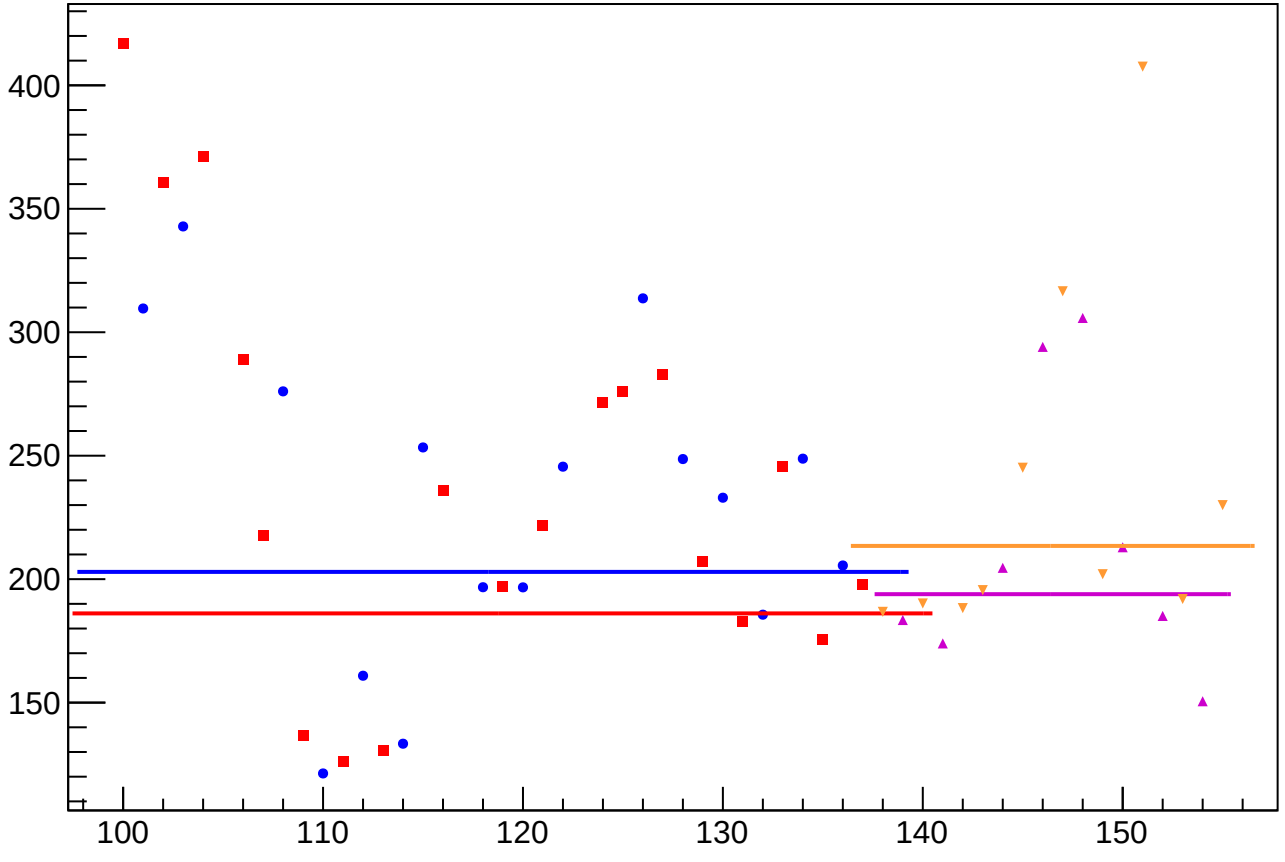
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: -289.272+/-55.567 χ^2/NDF:958.1/23

Out: -1.765+/-53.735 χ^2/NDF:2058.1/28

All: -140.703+/-38.628 χ^2/NDF: 3030.0/52

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 213.462+/-0.056 χ^2/NDF:680793.2/9

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 193.918+/-0.055 χ^2/NDF:617076.8/7

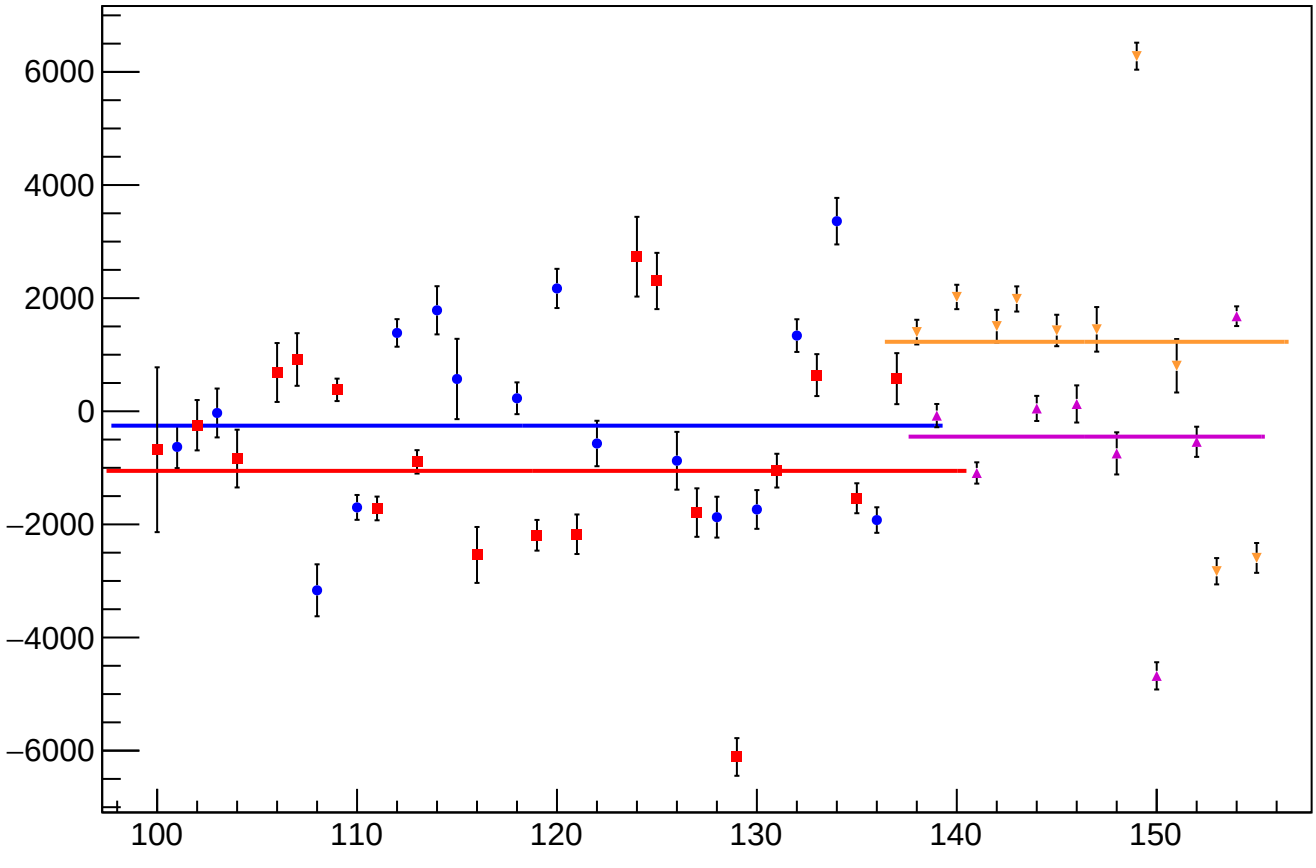
Left: 203.447+/-0.039 χ^2/NDF: 1360103.0/17

Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 198.286+/-0.039 χ^2/NDF:1702106.8/23

Out: 198.676+/-0.038 χ^2/NDF:2290957.2/28

All: 198.488+/-0.027 χ^2/NDF: 3993114.9/52



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1228.455+/-81.935 χ^2/NDF:989.4/9

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: -448.407+/-80.874 χ^2/NDF:481.3/7

Left: 379.099+/-57.558 χ^2/NDF: 1682.9/17

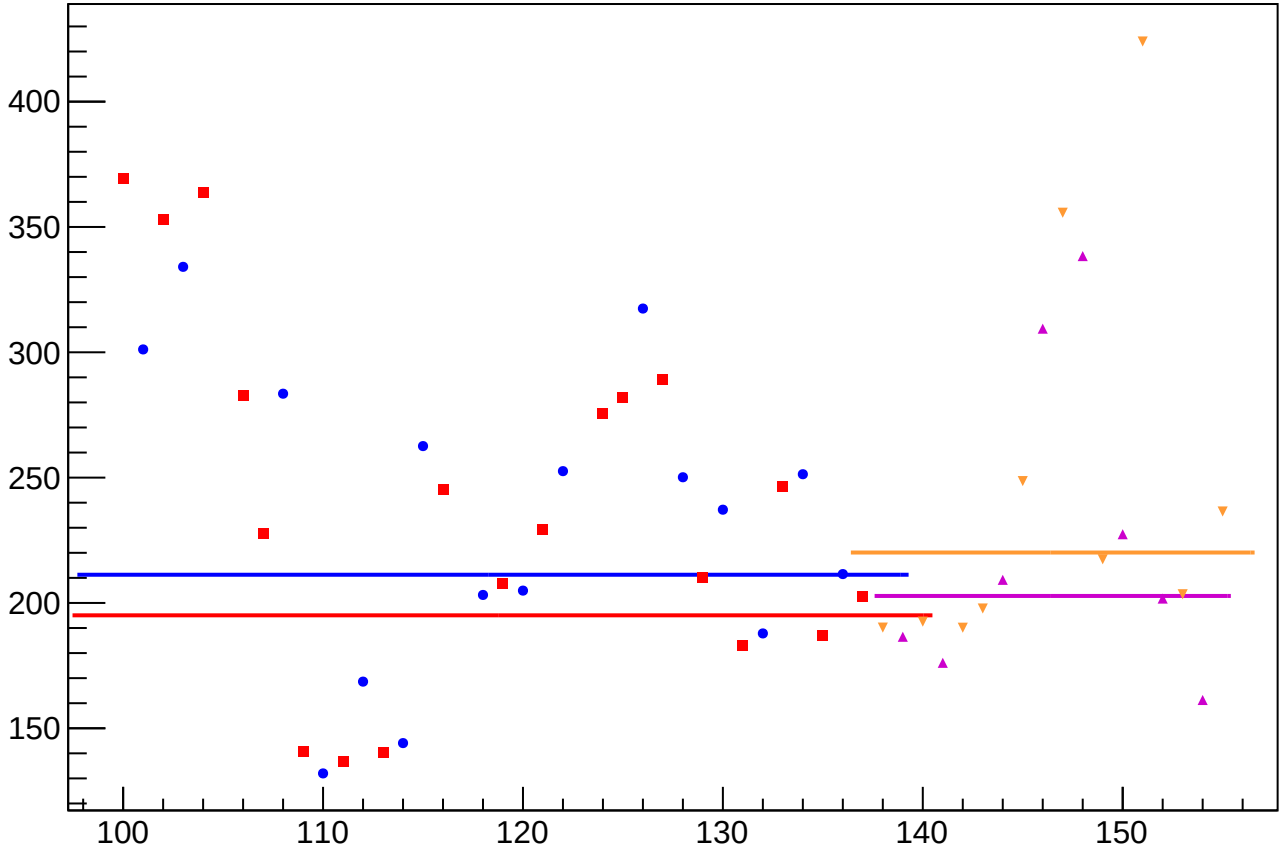
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -353.356+/-57.749 χ^2/NDF:893.4/23

Out: 1.268+/-55.708 χ^2/NDF:1884.2/28

All: -169.666+/-40.094 χ^2/NDF: 2797.2/52

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 220.118+/-0.058 χ^2/NDF:760347.7/9

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 202.793+/-0.057 χ^2/NDF:664360.8/7

Left: 211.342+/-0.041 χ^2/NDF: 1469998.6/17

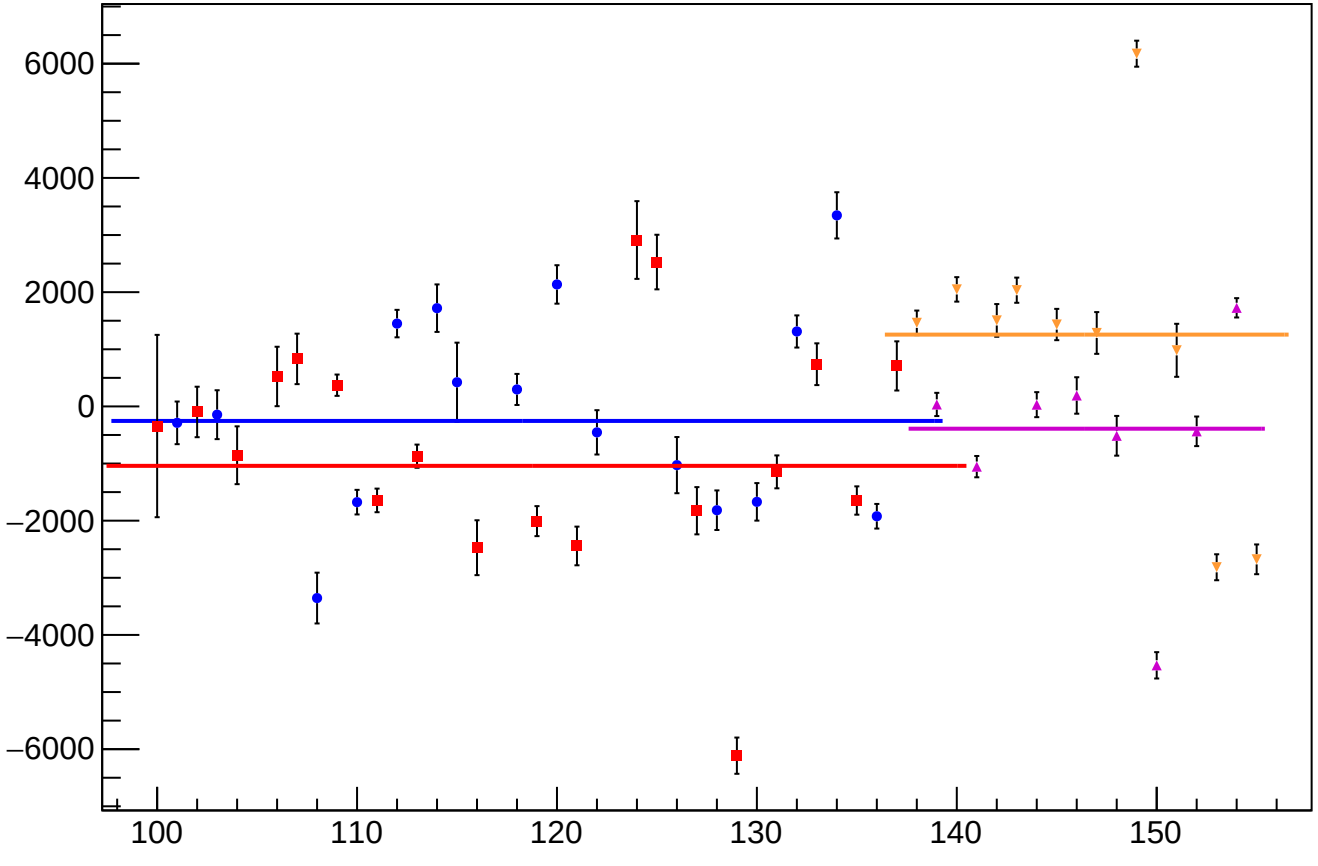
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 206.940+/-0.041 χ^2/NDF:1559451.7/23

Out: 206.644+/-0.039 χ^2/NDF:2145802.9/28

All: 206.787+/-0.028 χ^2/NDF: 3705281.7/52

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1257.019+/-80.312 χ^2/NDF:1043.2/9

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: -390.131+/-78.920 χ^2/NDF:503.4/7

Left: 419.043+/-56.291 χ^2/NDF: 1760.6/17

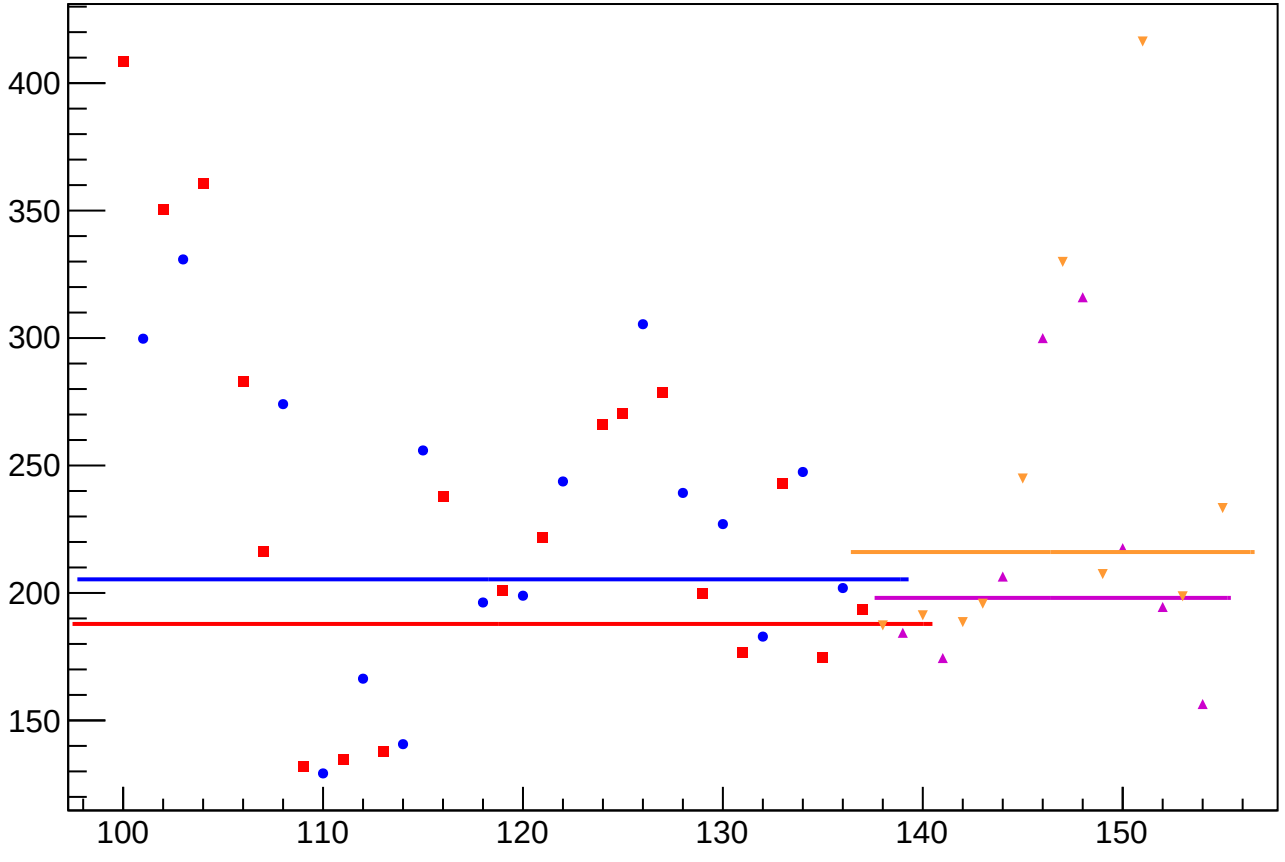
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -323.201+/-56.260 χ^2/NDF:937.0/23

Out: 4.653+/-54.166 χ^2/NDF:2022.6/28

All: -153.060+/-39.020 χ^2/NDF: 2977.3/52

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 216.054+/-0.057 χ^2/NDF:709986.2/9

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 198.066+/-0.056 χ^2/NDF:613686.8/7

Left: 206.903+/-0.040 χ^2/NDF: 1374718.6/17

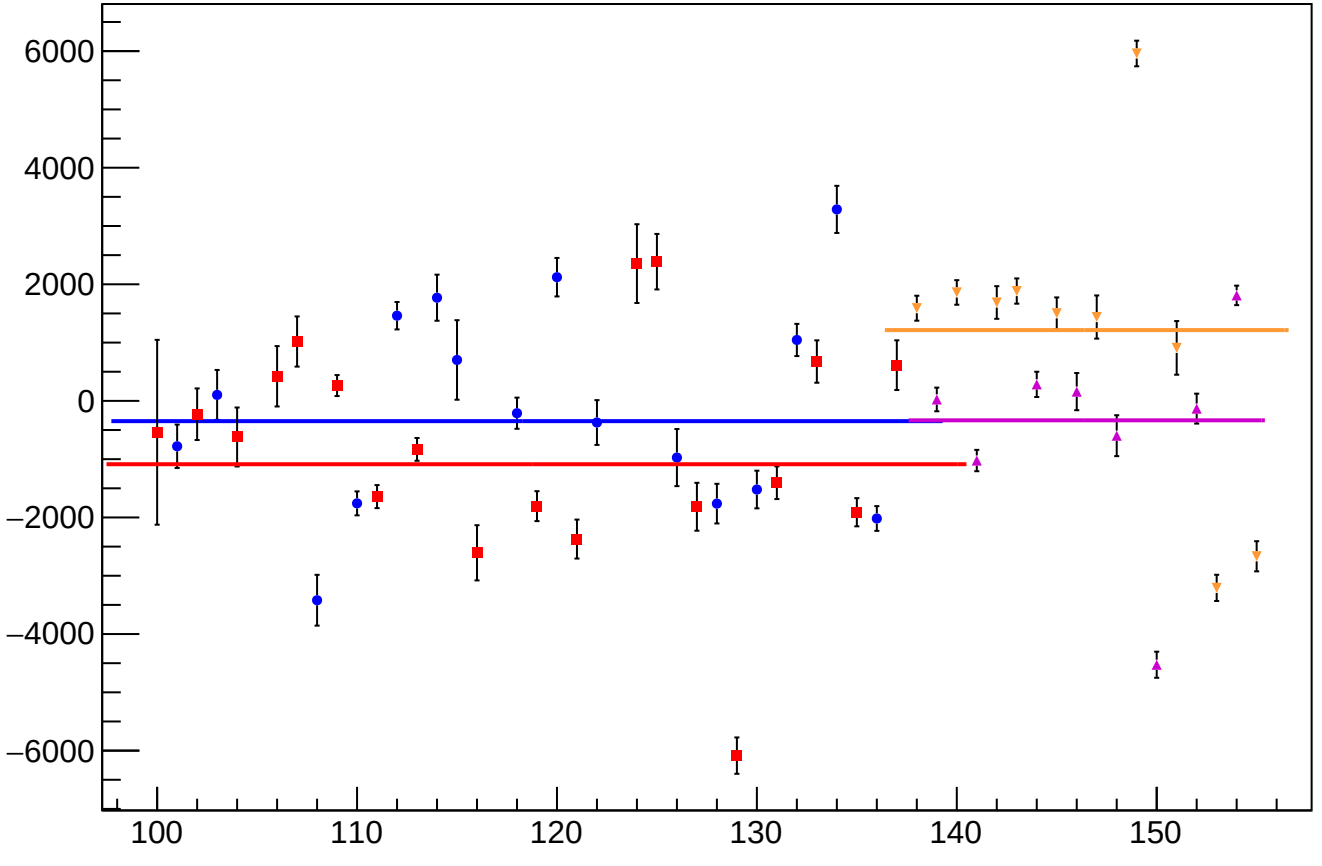
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 201.644+/-0.040 χ^2/NDF:1499445.0/23

Out: 200.678+/-0.038 χ^2/NDF:2181512.9/28

All: 201.143+/-0.028 χ^2/NDF: 3681263.6/52

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1214.049+/-79.239 χ^2/NDF:1103.4/9

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: -333.699+/-78.026 χ^2/NDF:544.3/7

Left: 428.237+/-55.597 χ^2/NDF: 1841.3/17

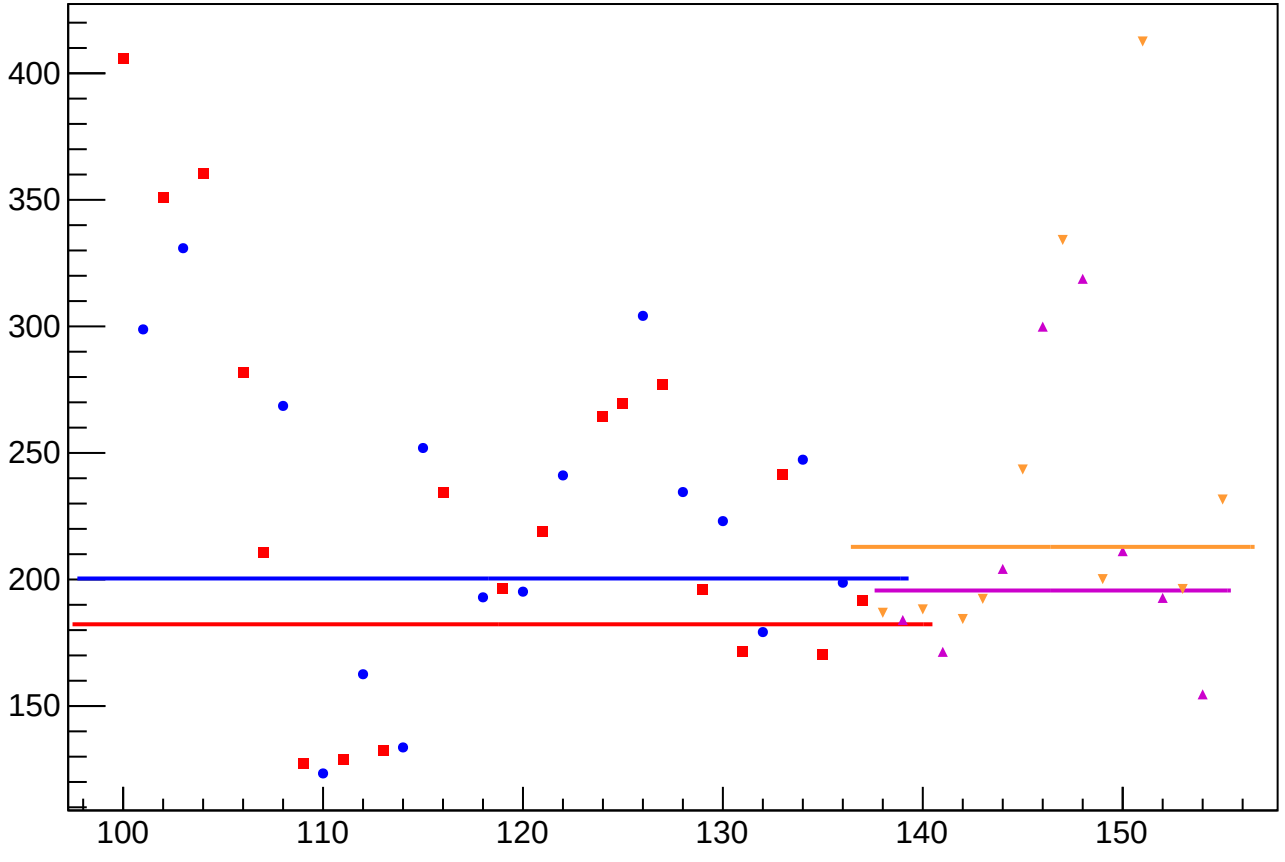
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -340.635+/-55.363 χ^2/NDF:990.1/23

Out: -53.490+/-53.100 χ^2/NDF:2095.0/28

All: -191.073+/-38.322 χ^2/NDF: 3099.1/52

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 212.890+/-0.056 χ^2/NDF:740106.6/9

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 195.652+/-0.055 χ^2/NDF:634859.6/7

Left: 204.138+/-0.039 χ^2/NDF: 1423023.7/17

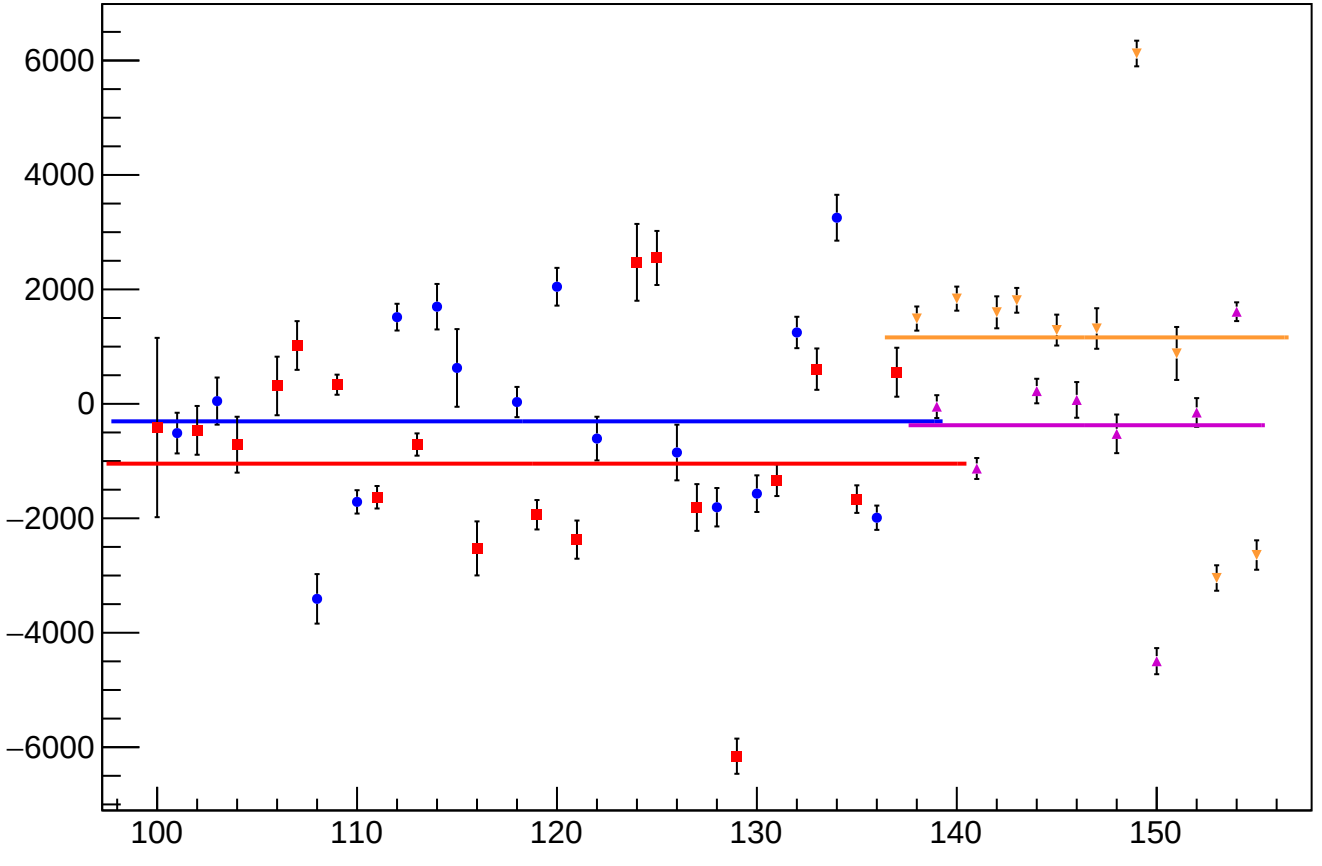
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 198.009+/-0.039 χ^2/NDF:1597535.8/23

Out: 196.038+/-0.038 χ^2/NDF:2351504.7/28

All: 196.982+/-0.027 χ^2/NDF: 3950361.0/52

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1161.354+/-78.863 χ^2/NDF:1090.0/9

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: -373.608+/-77.147 χ^2/NDF:503.4/7

Left: 376.988+/-55.148 χ^2/NDF: 1787.0/17

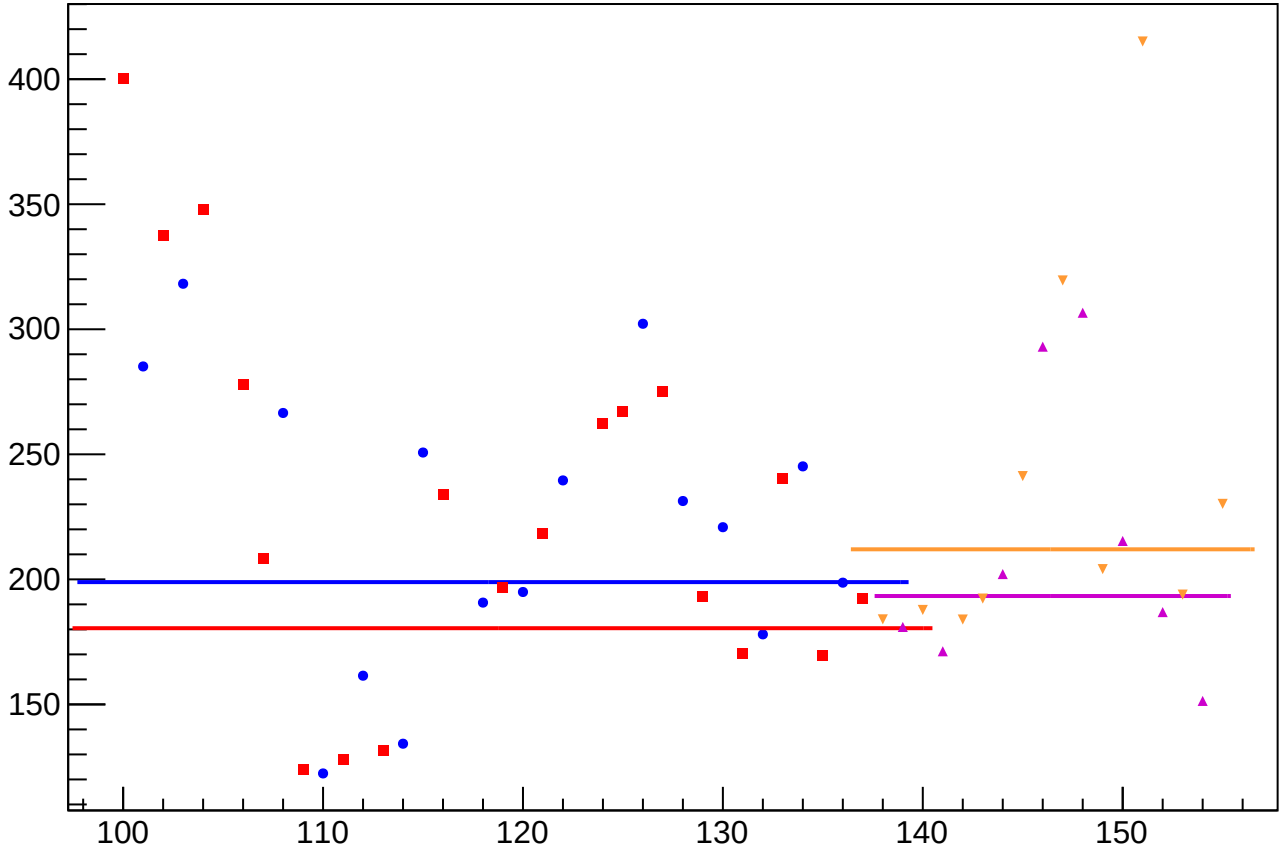
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -339.945+/-54.804 χ^2/NDF:955.5/23

Out: -60.063+/-52.694 χ^2/NDF:2075.5/28

All: -194.510+/-37.984 χ^2/NDF: 3044.6/52

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 212.016+/-0.056 χ^2/NDF:716922.5/9

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 193.345+/-0.055 χ^2/NDF:620356.9/7

Left: 202.475+/-0.039 χ^2/NDF: 1394568.4/17

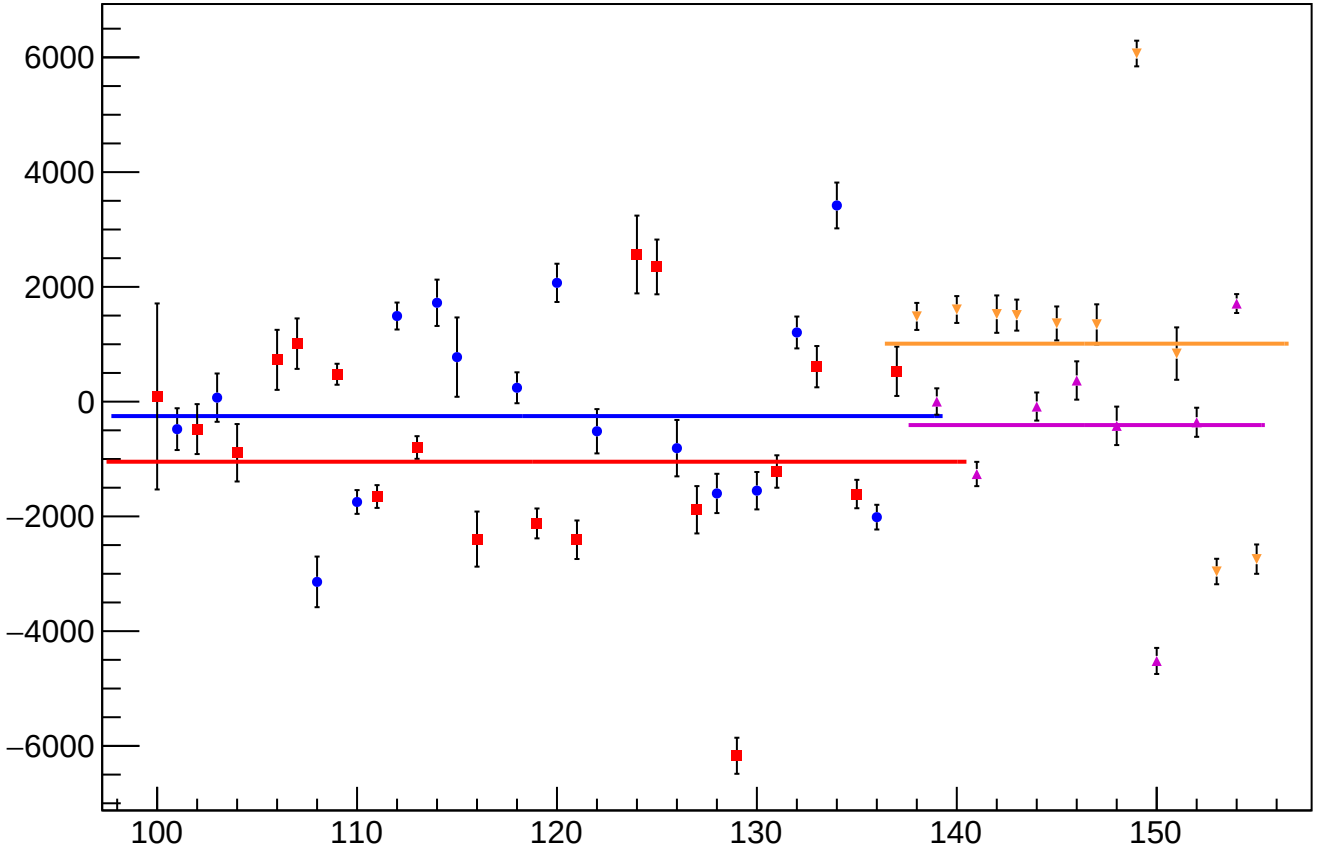
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 196.098+/-0.039 χ^2/NDF:1538263.8/23

Out: 194.555+/-0.037 χ^2/NDF:2328477.8/28

All: 195.296+/-0.027 χ^2/NDF: 3867564.9/52

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1010.323+/-84.721 χ^2/NDF:1064.5/9

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: -408.248+/-82.315 χ^2/NDF:519.6/7

Left: 280.609+/-59.038 χ^2/NDF: 1728.3/17

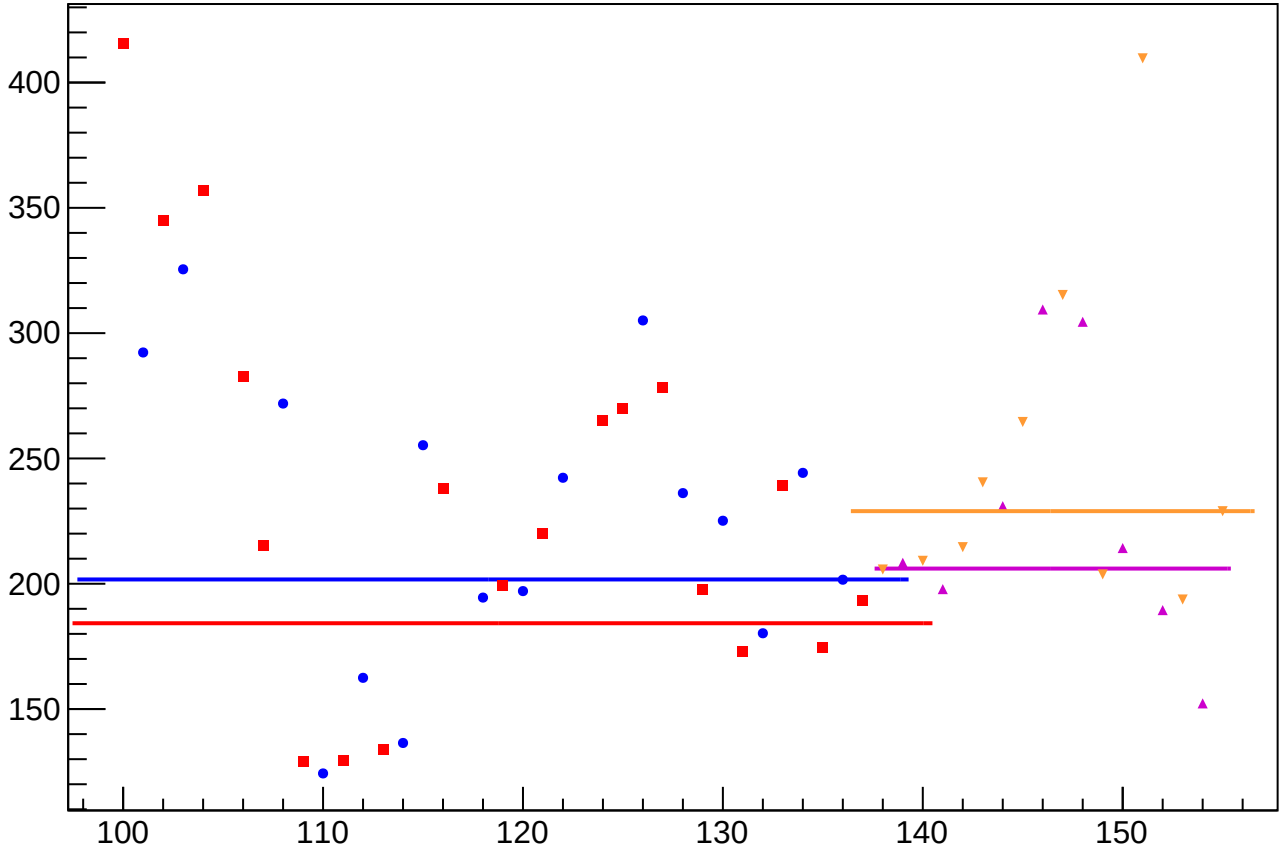
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -326.782+/-56.988 χ^2/NDF:962.7/23

Out: -181.675+/-54.948 χ^2/NDF:1952.9/28

All: -251.585+/-39.555 χ^2/NDF: 2919.0/52

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 228.972+/-0.060 χ^2/NDF:581105.2/9

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 206.055+/-0.058 χ^2/NDF:612601.1/7

Left: 217.184+/-0.042 χ^2/NDF: 1268988.4/17

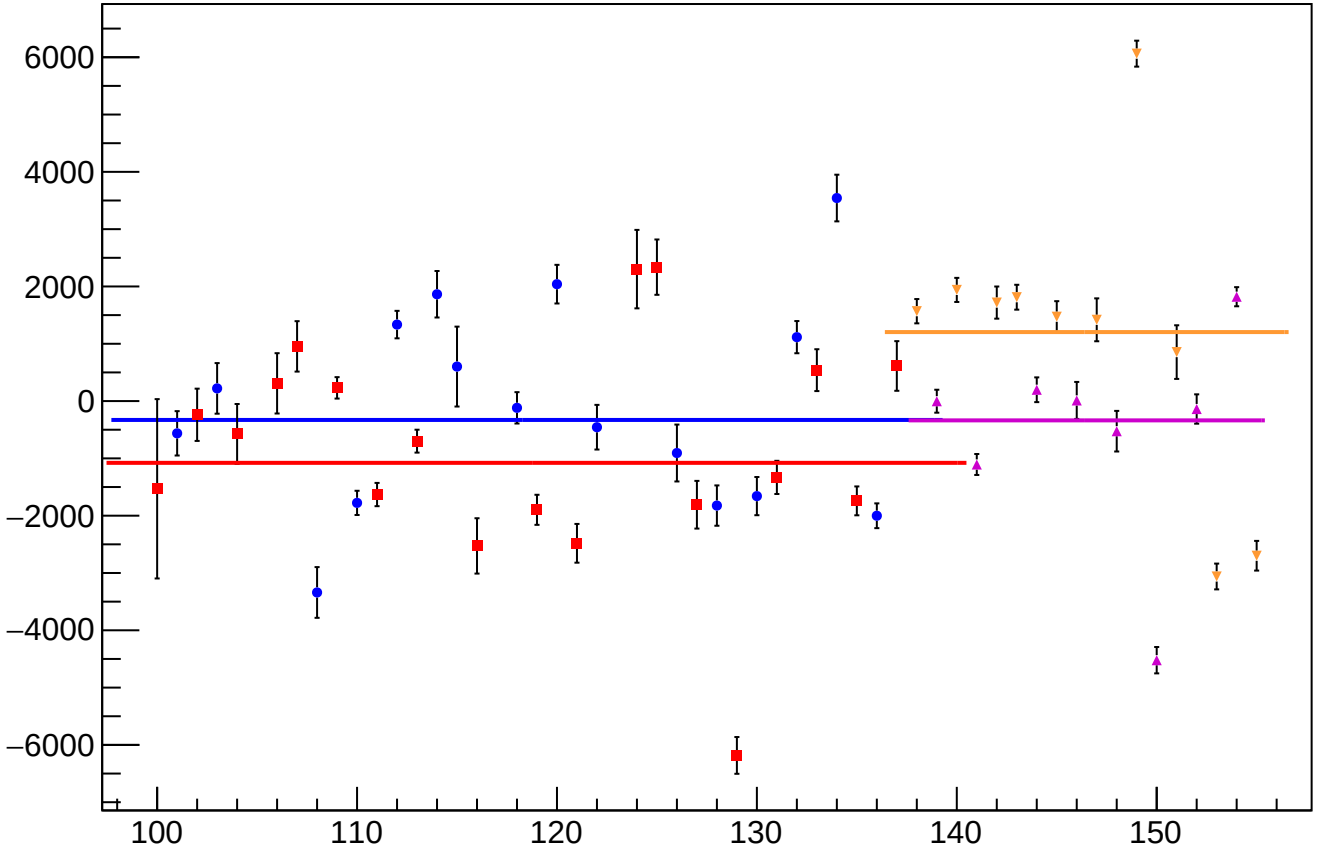
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 203.794+/-0.040 χ^2/NDF:1539707.7/23

Out: 203.059+/-0.039 χ^2/NDF:2307837.2/28

All: 203.413+/-0.028 χ^2/NDF: 3847717.6/52

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1204.160+/-79.499 χ^2/NDF:1074.1/9

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: -336.807+/-78.107 χ^2/NDF:526.8/7

Left: 420.066+/-55.716 χ^2/NDF: 1792.1/17

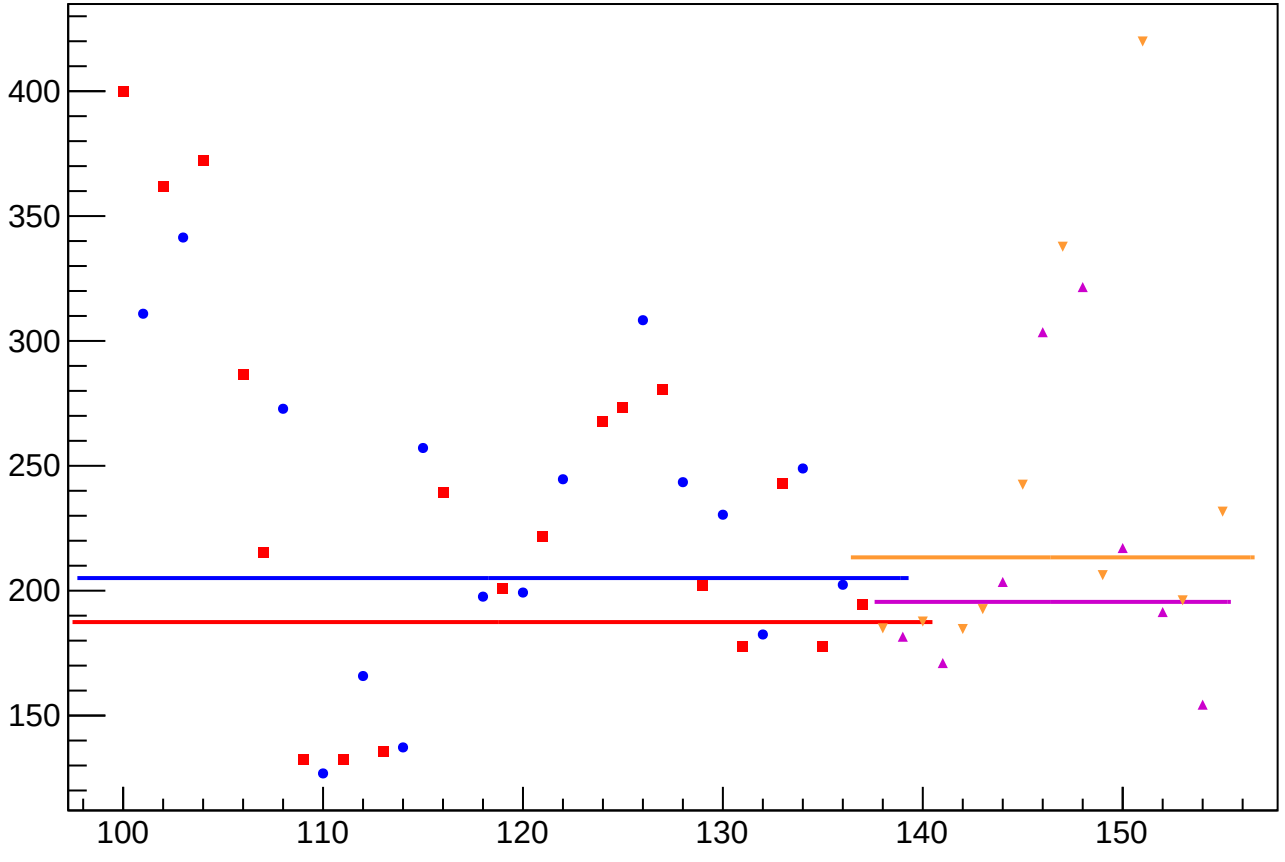
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -333.198+/-56.012 χ^2/NDF:963.2/23

Out: -27.674+/-53.931 χ^2/NDF:2020.9/28

All: -174.655+/-38.850 χ^2/NDF: 2999.6/52

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 213.346+/-0.056 χ^2/NDF:762032.3/9

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 195.519+/-0.055 χ^2/NDF:664911.9/7

Left: 204.275+/-0.039 χ^2/NDF: 1478118.9/17

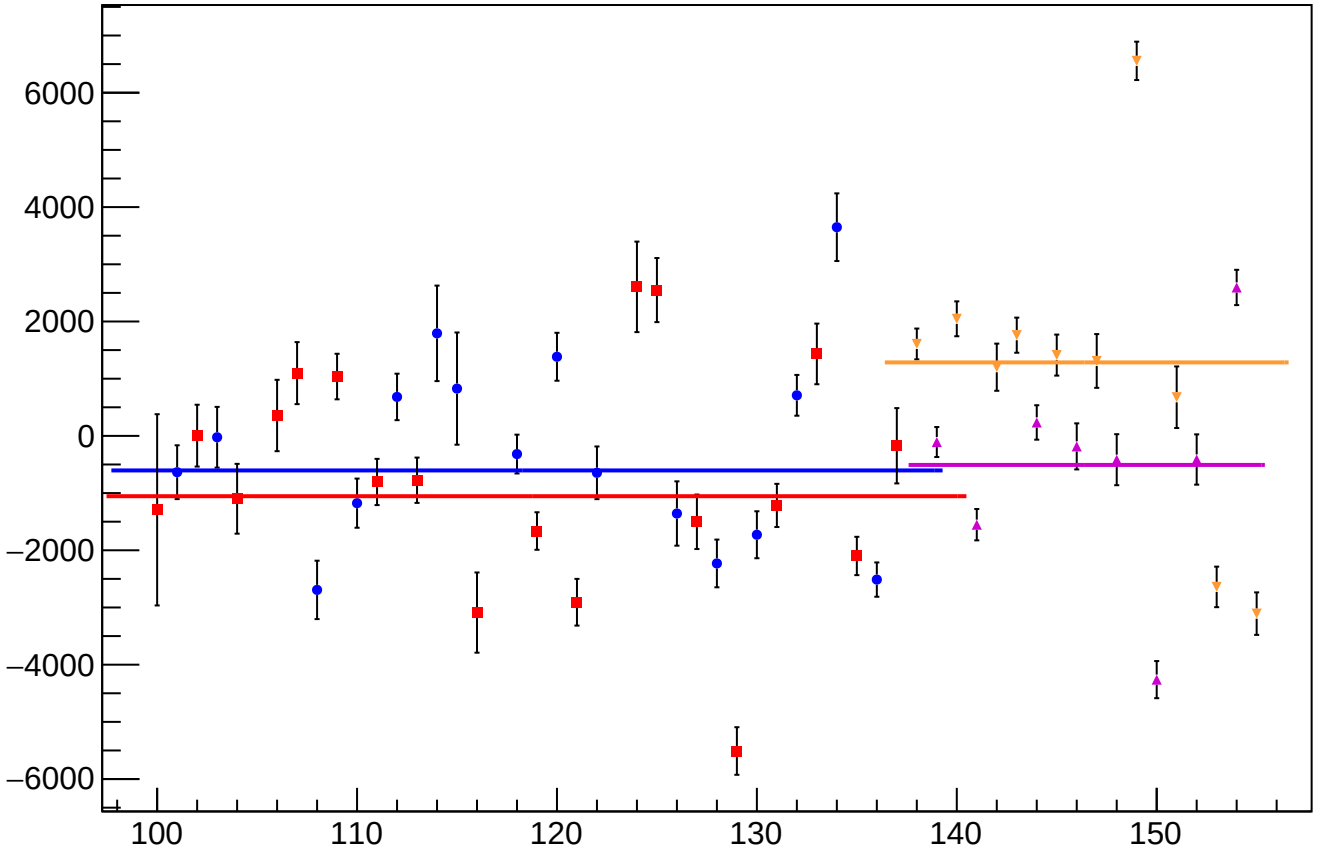
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 200.150+/-0.040 χ^2/NDF:1642439.5/23

Out: 199.357+/-0.038 χ^2/NDF:2287551.4/28

All: 199.739+/-0.027 χ^2/NDF: 3930198.7/52

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1284.792+/-111.185 χ^2/NDF:521.0/9

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: -507.657+/-115.255 χ^2/NDF:258.6/7

Left: 420.776+/-80.020 χ^2/NDF: 904.9/17

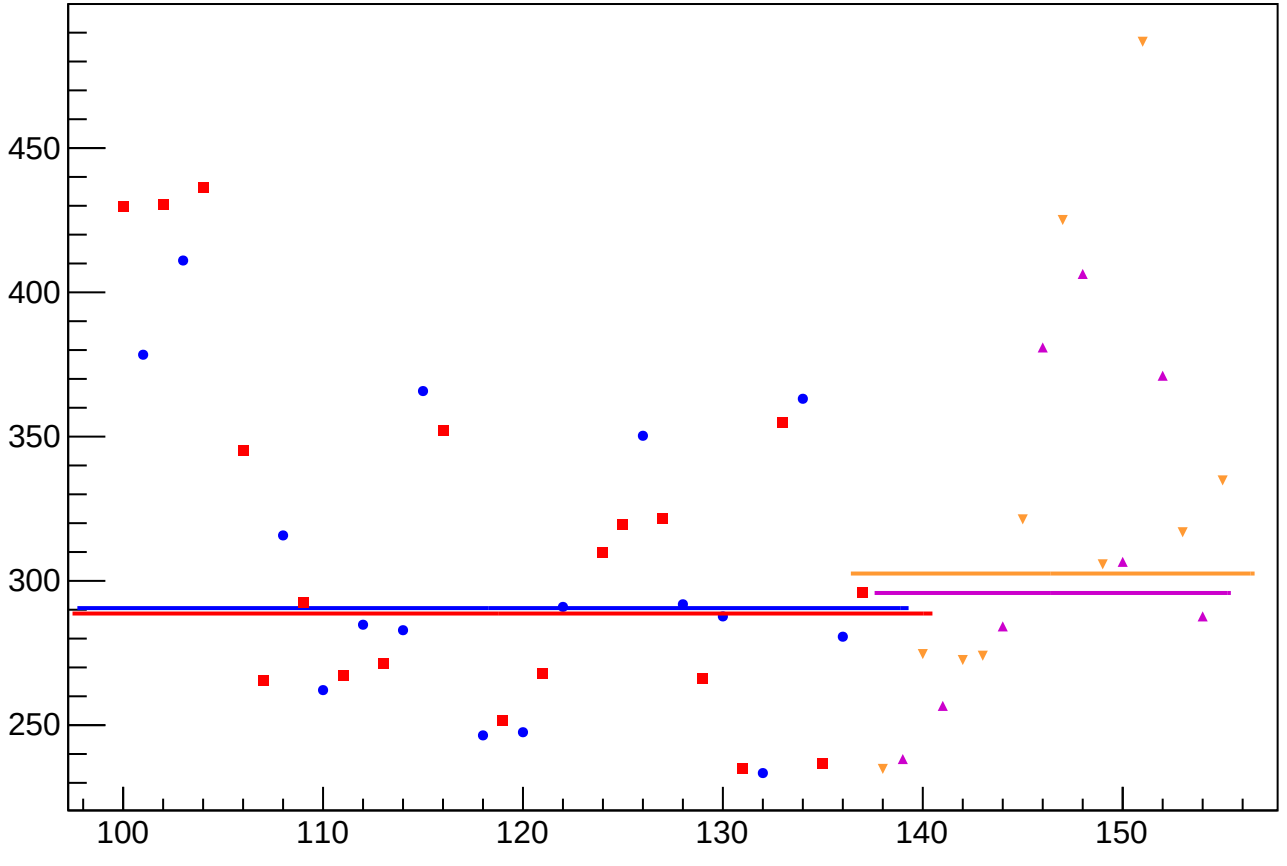
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -557.697+/-79.836 χ^2/NDF:452.5/23

Out: 83.984+/-77.566 χ^2/NDF:1045.9/28

All: -227.606+/-55.633 χ^2/NDF: 1531.7/52

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 302.543+/-0.079 χ^2/NDF:565415.2/9

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 295.809+/-0.081 χ^2/NDF:414670.8/7

Left: 299.297+/-0.057 χ^2/NDF: 983623.0/17

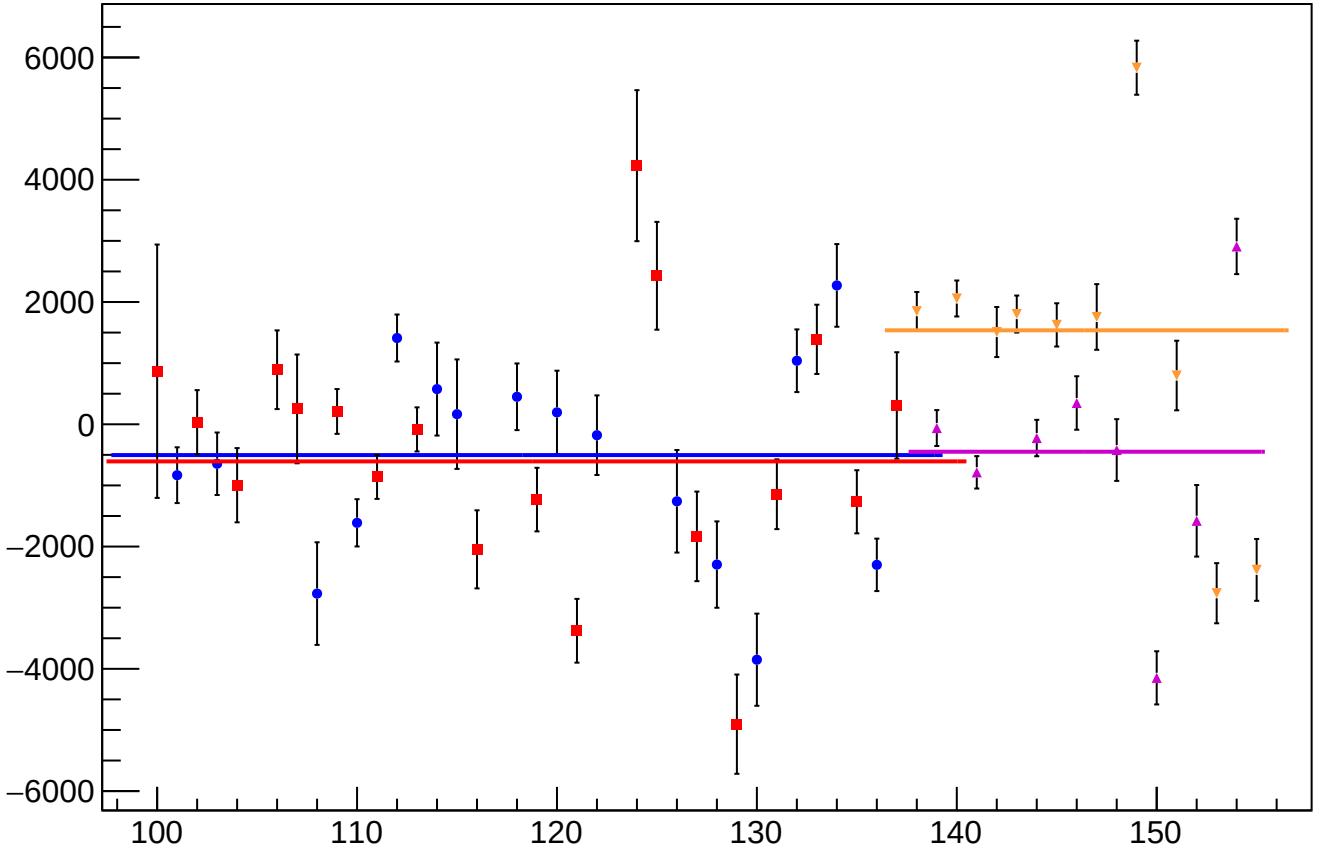
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 293.082+/-0.056 χ^2/NDF:776630.5/23

Out: 295.430+/-0.055 χ^2/NDF:1070456.9/28

All: 294.290+/-0.039 χ^2/NDF: 1847977.7/52

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1536.821+/-122.858 χ^2/NDF:237.5/9

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: -448.920+/-129.836 χ^2/NDF:138.2/7

Left: 598.742+/-89.239 χ^2/NDF: 499.2/17

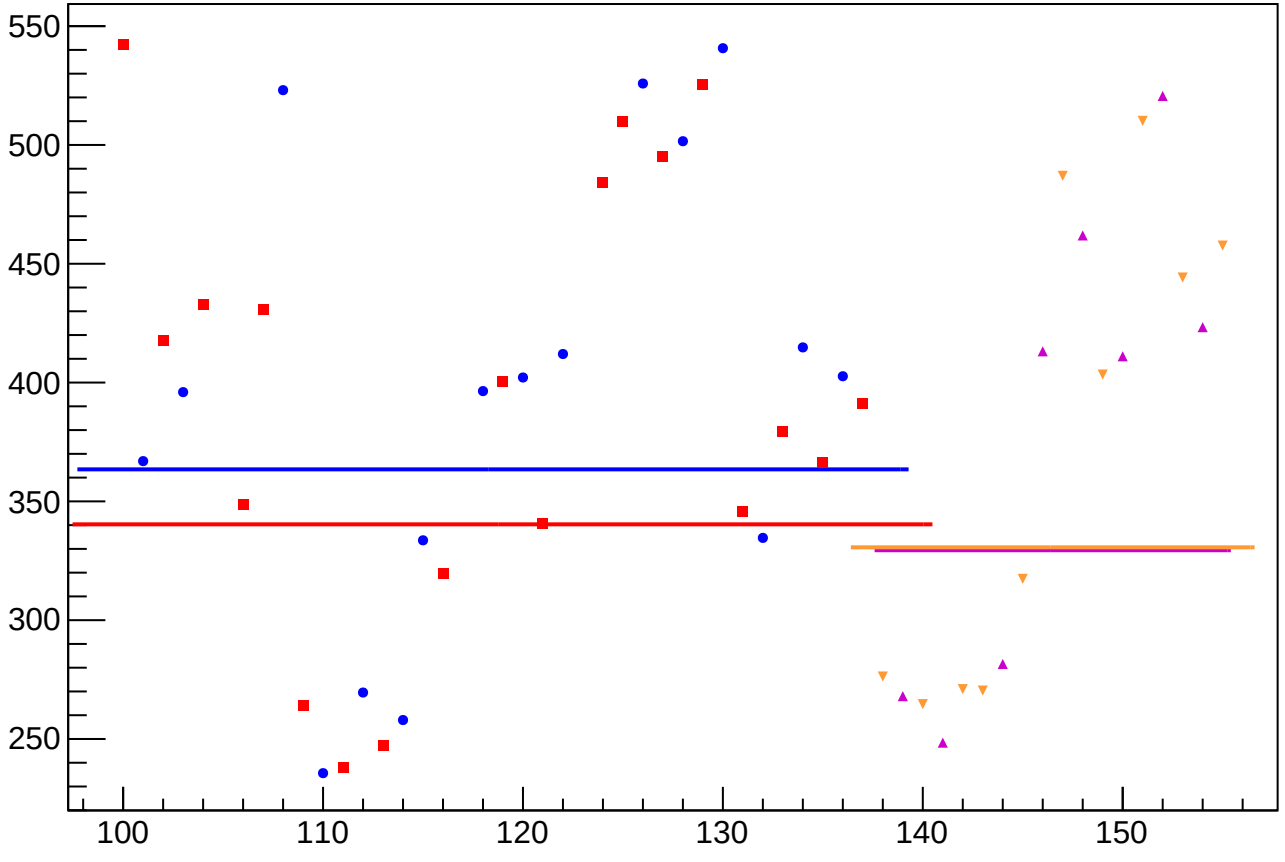
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -474.227+/-95.217 χ^2/NDF:256.6/23

Out: 522.246+/-89.165 χ^2/NDF:506.8/28

All: 56.682+/-65.083 χ^2/NDF: 821.7/52

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 330.658+/-0.087 χ^2/NDF:940220.8/9

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 329.440+/-0.092 χ^2/NDF:906503.6/7

Left: 330.083+/-0.063 χ^2/NDF: 1846817.2/17

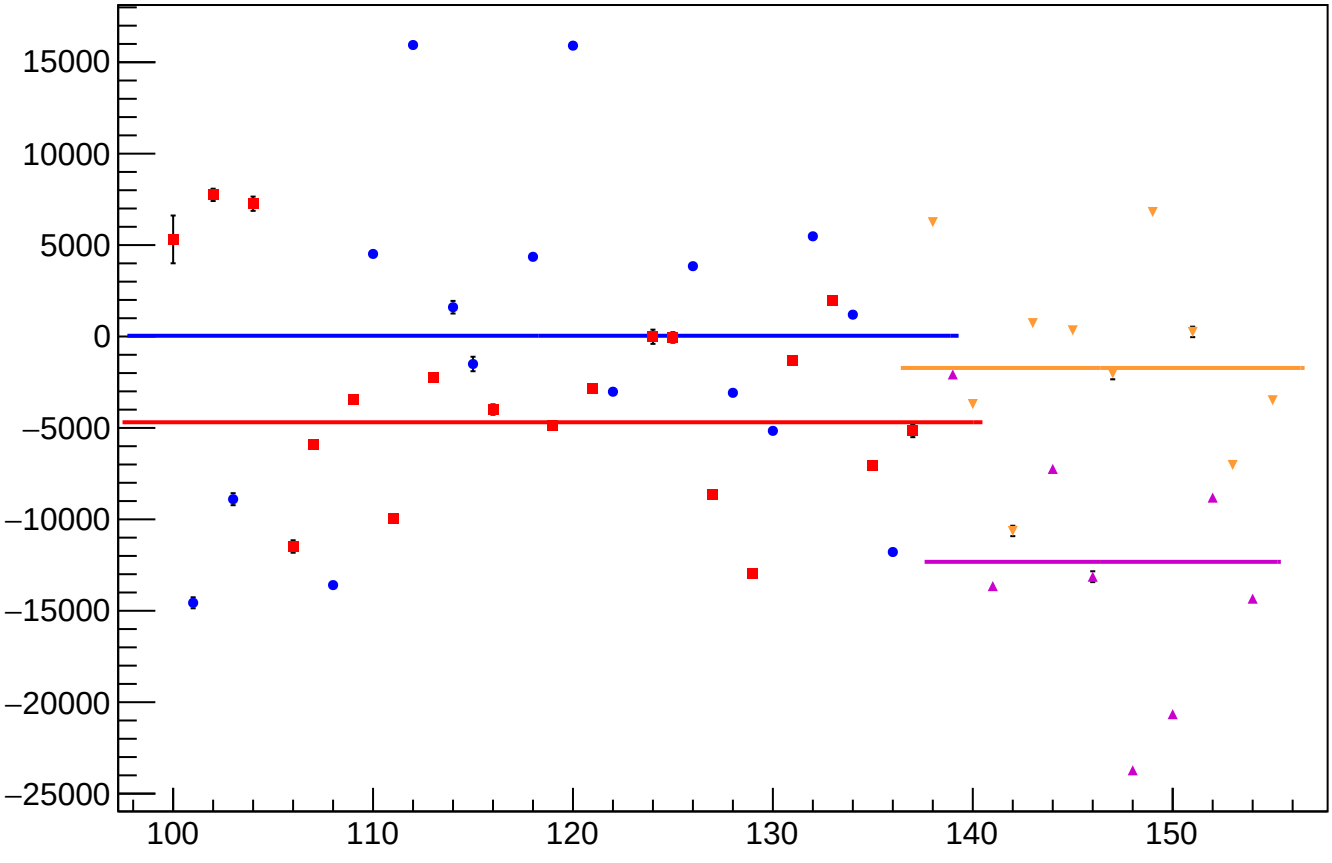
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 345.169+/-0.067 χ^2/NDF:1750899.8/23

Out: 335.236+/-0.063 χ^2/NDF:1802320.6/28

All: 339.877+/-0.046 χ^2/NDF: 3564815.2/52

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1719.719+/-66.409 χ^2/NDF:5951.6/9

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -12323.323+/-73.568 χ^2/NDF:7280.5/7

Left: -6480.669+/-49.296 χ^2/NDF: 24679.0/17

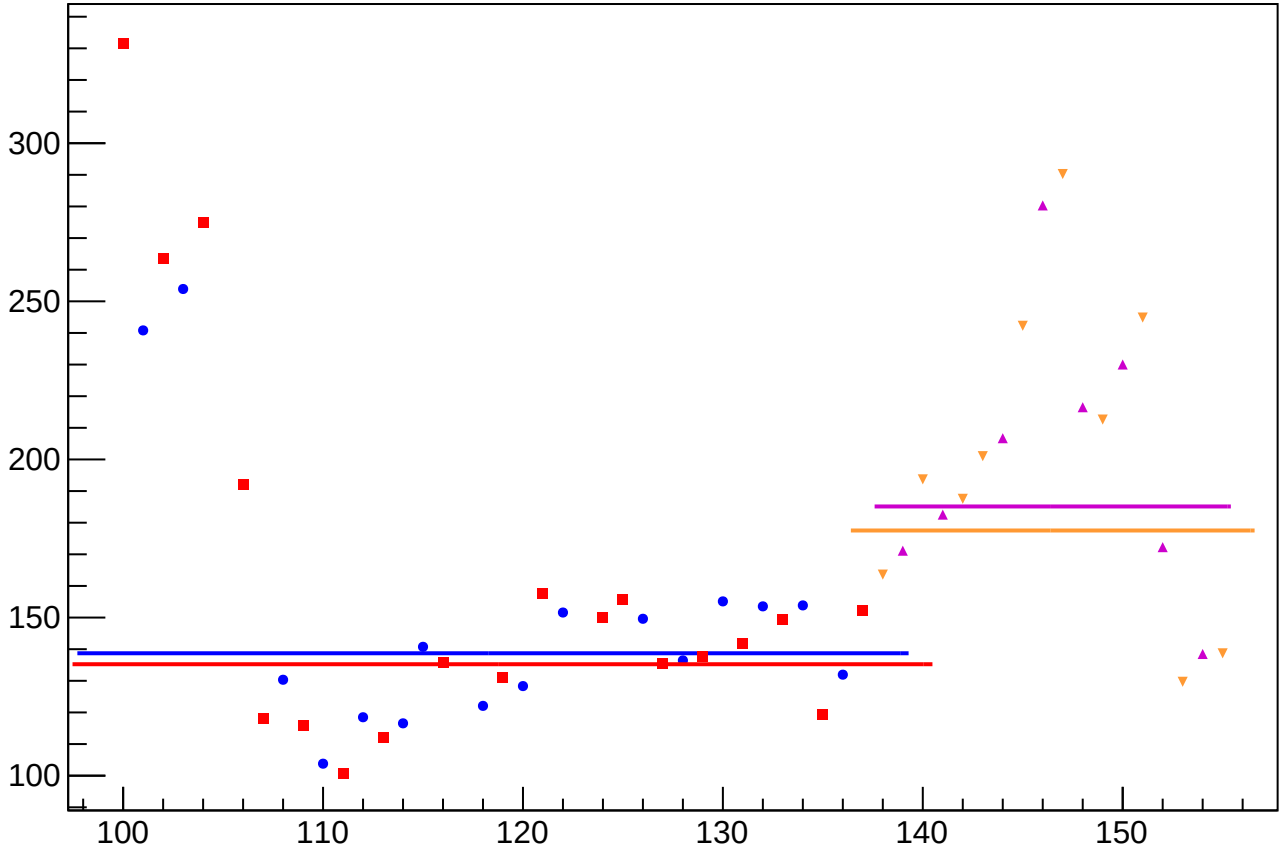
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4308.919+/-43.636 χ^2/NDF:56375.7/23

Out: -3558.306+/-40.988 χ^2/NDF:14985.5/28

All: -3910.155+/-29.875 χ^2/NDF: 71518.4/52

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 177.535+/-0.047 χ^2/NDF:911858.8/9

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 185.132+/-0.052 χ^2/NDF:539443.4/7

Left: 180.946+/-0.035 χ^2/NDF: 1463055.3/17

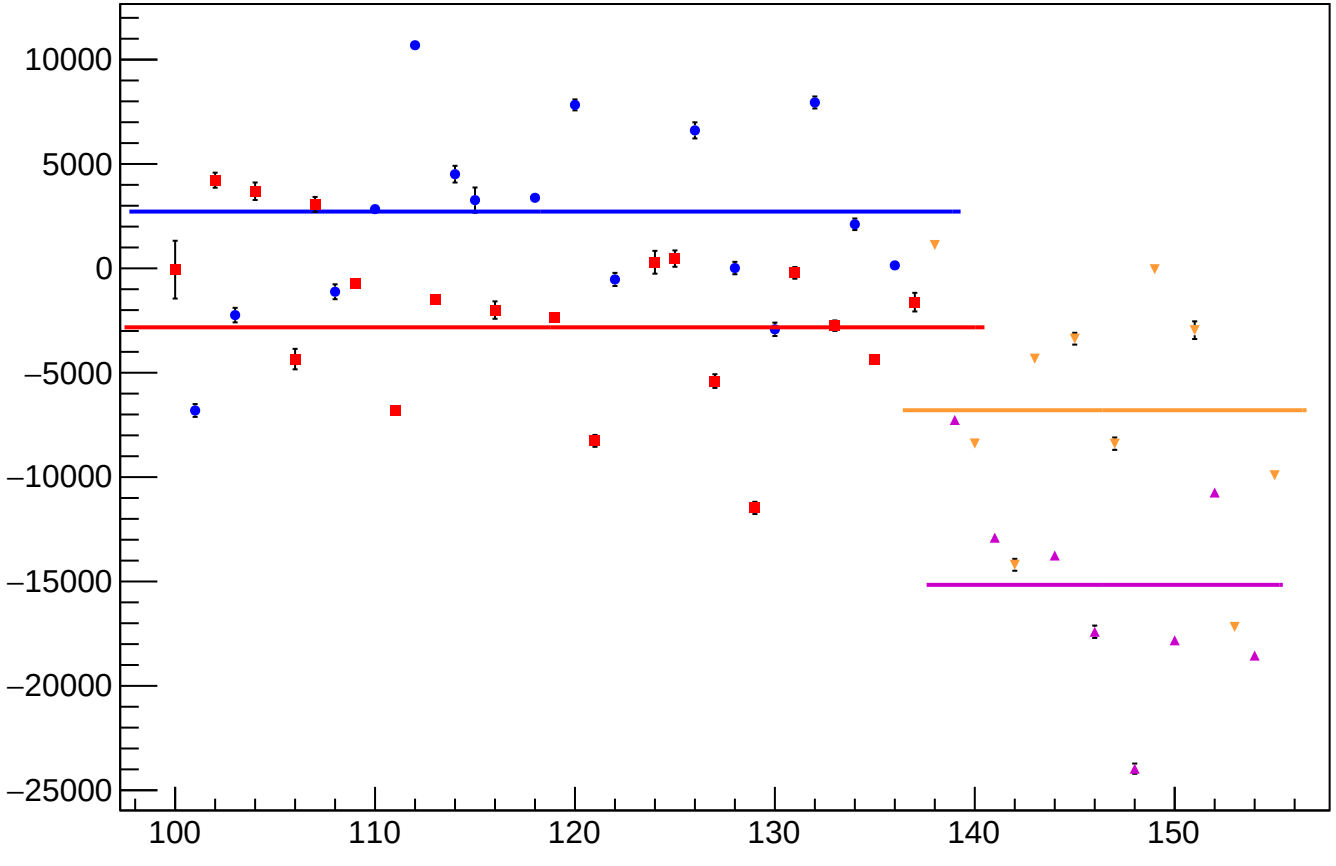
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 155.043+/-0.031 χ^2/NDF:1713378.3/23

Out: 151.355+/-0.029 χ^2/NDF:2303952.1/28

All: 153.084+/-0.021 χ^2/NDF: 4024919.4/52

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6796.426+/-76.142 χ^2/NDF:6475.9/9

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -15160.865+/-73.792 χ^2/NDF:4110.4/7

Left: -11109.724+/-52.990 χ^2/NDF: 16809.2/17

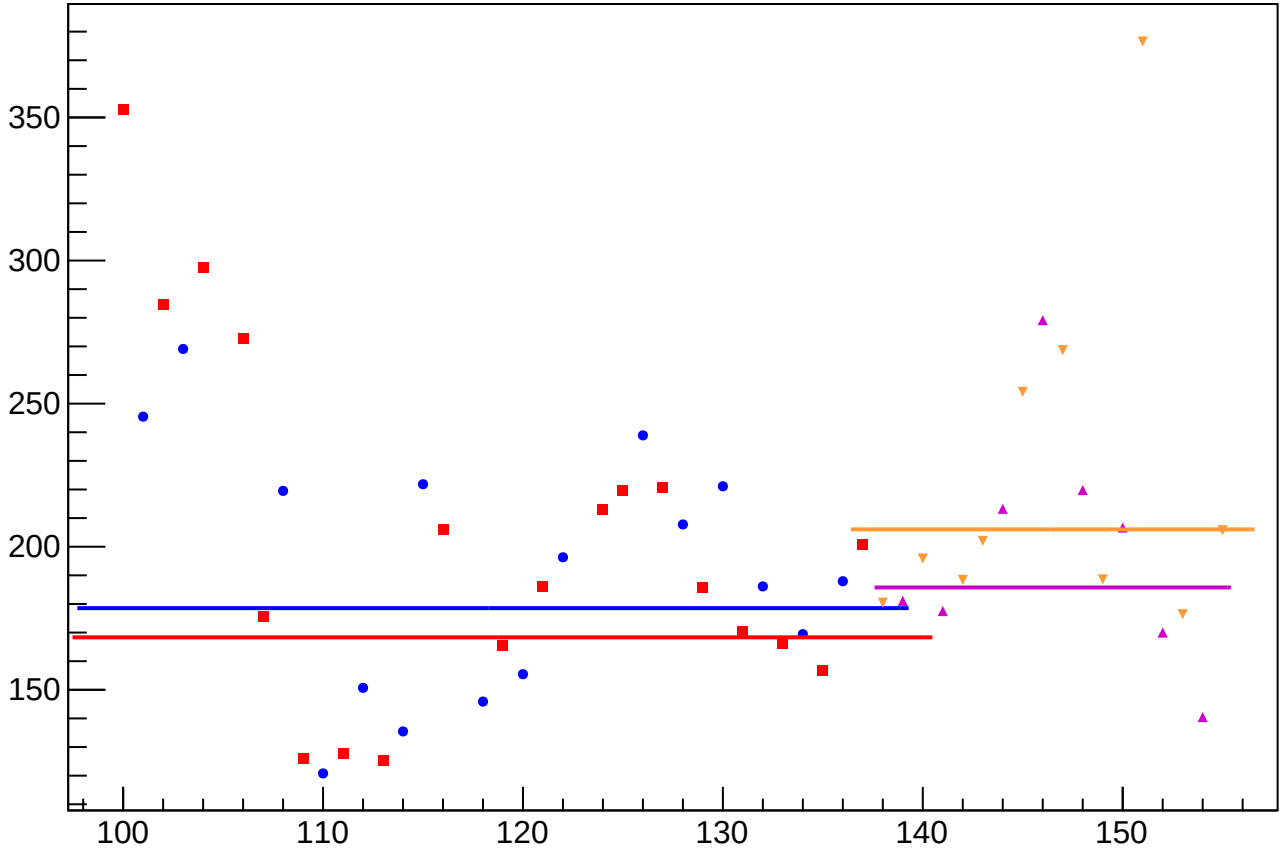
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -5652.907+/-50.495 χ^2/NDF:39461.3/23

Out: -4493.906+/-49.370 χ^2/NDF:11116.4/28

All: -5060.353+/-35.301 χ^2/NDF: 50847.1/52

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 206.057+/-0.054 χ^2/NDF:570948.8/9

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 185.758+/-0.052 χ^2/NDF:476748.5/7

Left: 195.590+/-0.037 χ^2/NDF: 1120996.9/17

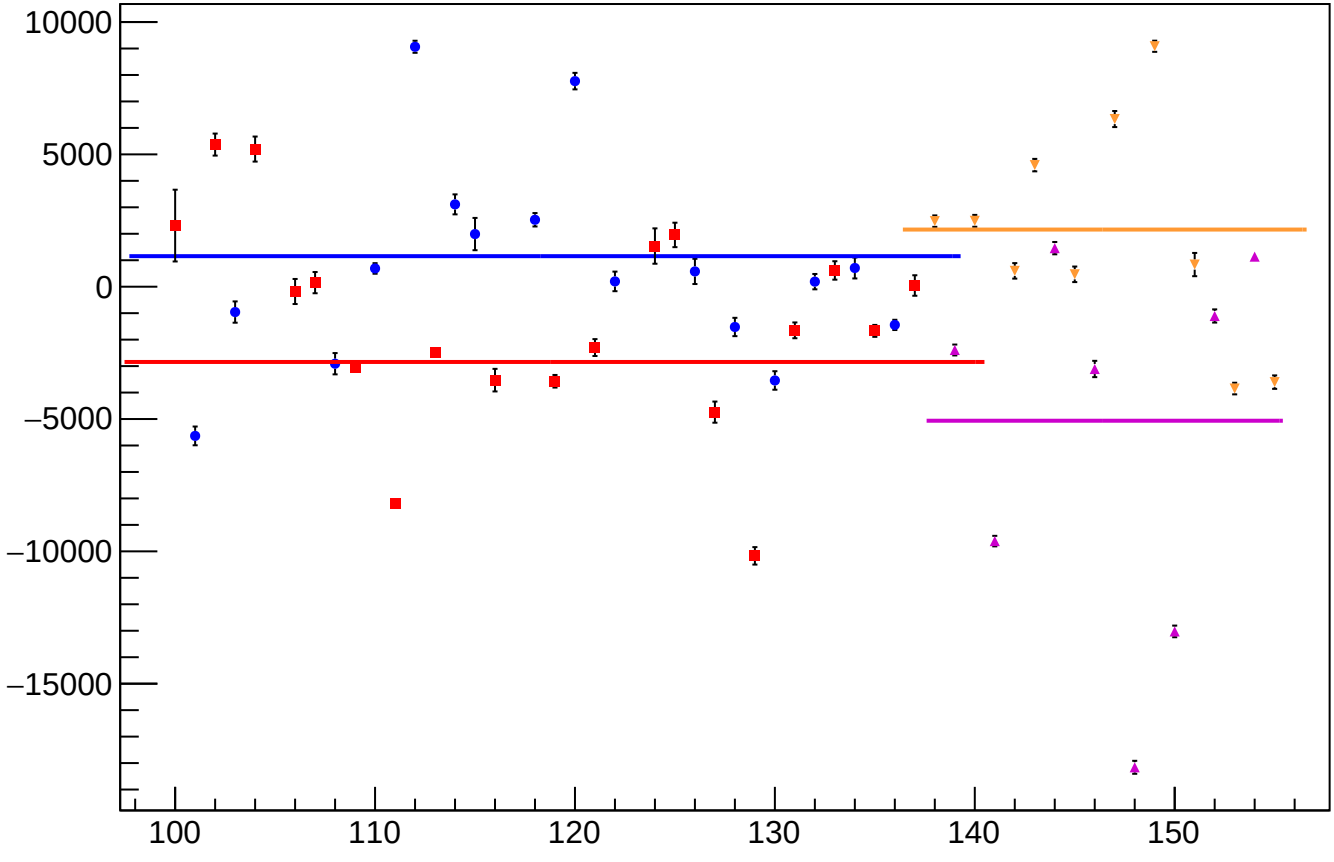
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 181.921+/-0.036 χ^2/NDF:1161487.8/23

Out: 184.194+/-0.035 χ^2/NDF:1834944.0/28

All: 183.083+/-0.025 χ^2/NDF: 2998504.7/52

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2159.151+/-79.769 χ^2/NDF:2710.1/9

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -5064.329+/-77.114 χ^2/NDF:7340.4/7

Left: -1574.835+/-55.443 χ^2/NDF: 14289.4/17

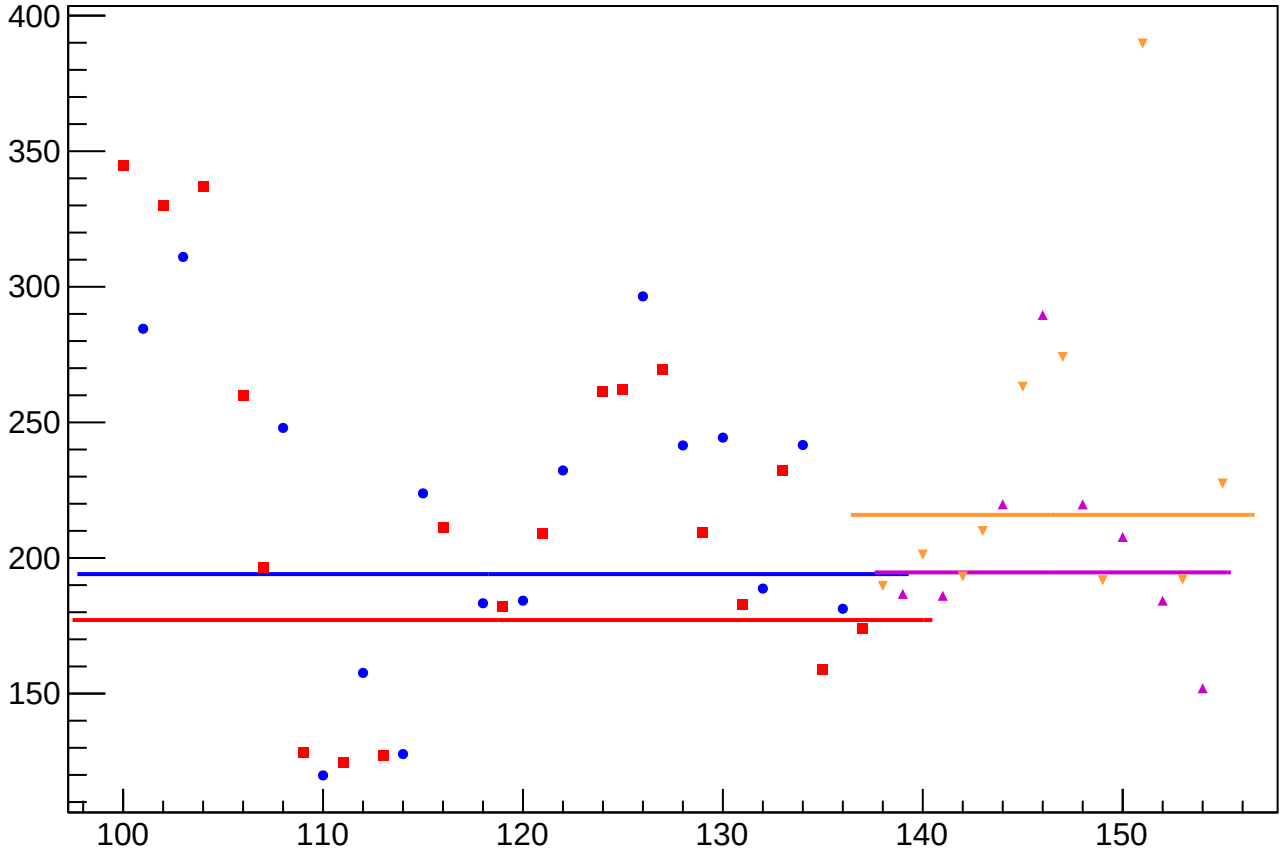
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1908.261+/-54.114 χ^2/NDF:13296.0/23

Out: -697.723+/-52.246 χ^2/NDF:7409.5/28

All: -1281.736+/-37.586 χ^2/NDF: 20964.5/52

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 215.905+/-0.056 χ^2/NDF:543029.1/9

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 194.680+/-0.055 χ^2/NDF:386025.1/7

Left: 204.933+/-0.039 χ^2/NDF: 1002243.7/17

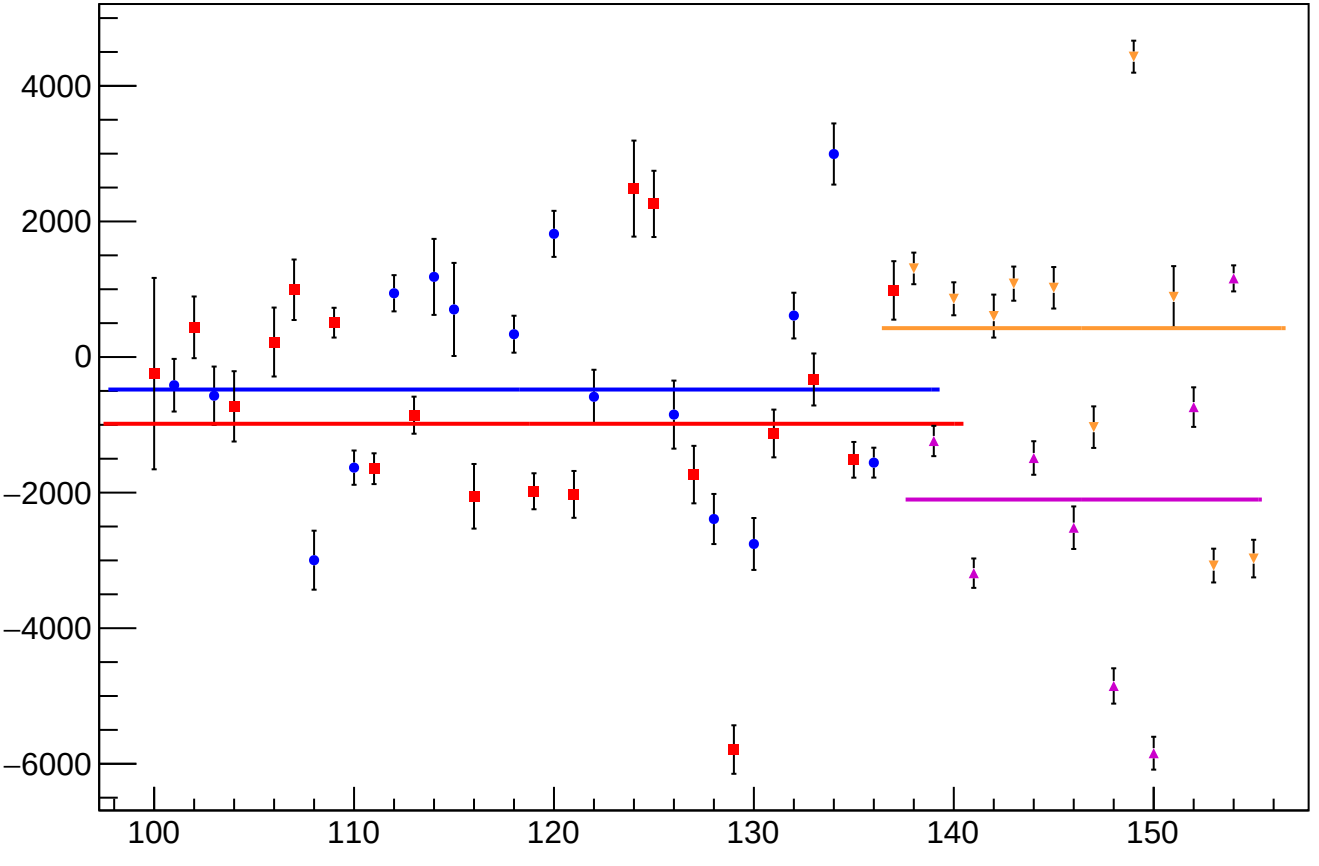
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 194.362+/-0.038 χ^2/NDF:1351878.4/23

Out: 193.755+/-0.037 χ^2/NDF:2172424.4/28

All: 194.048+/-0.027 χ^2/NDF: 3524433.1/52

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 426.086+/-86.315 χ^2/NDF:687.3/9

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -2101.997+/-85.033 χ^2/NDF:707.6/7

Left: -856.874+/-60.575 χ^2/NDF: 1830.2/17

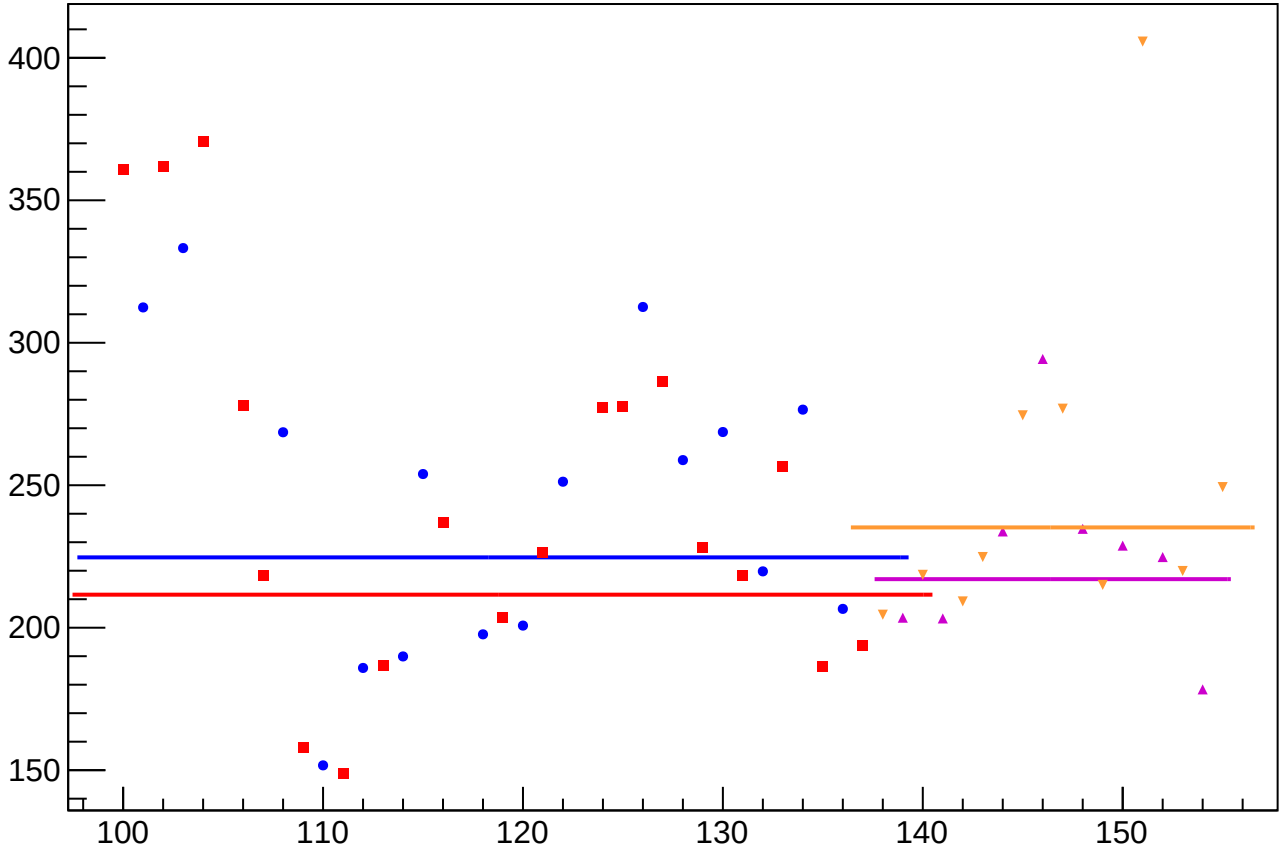
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1306.263+/-60.703 χ^2/NDF:1191.6/23

Out: -324.444+/-59.044 χ^2/NDF:1227.5/28

All: -801.755+/-42.325 χ^2/NDF: 2553.6/52

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.197+/-0.061 χ^2/NDF:440435.6/9

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 217.041+/-0.060 χ^2/NDF:242203.9/7

Left: 225.983+/-0.043 χ^2/NDF: 727543.5/17

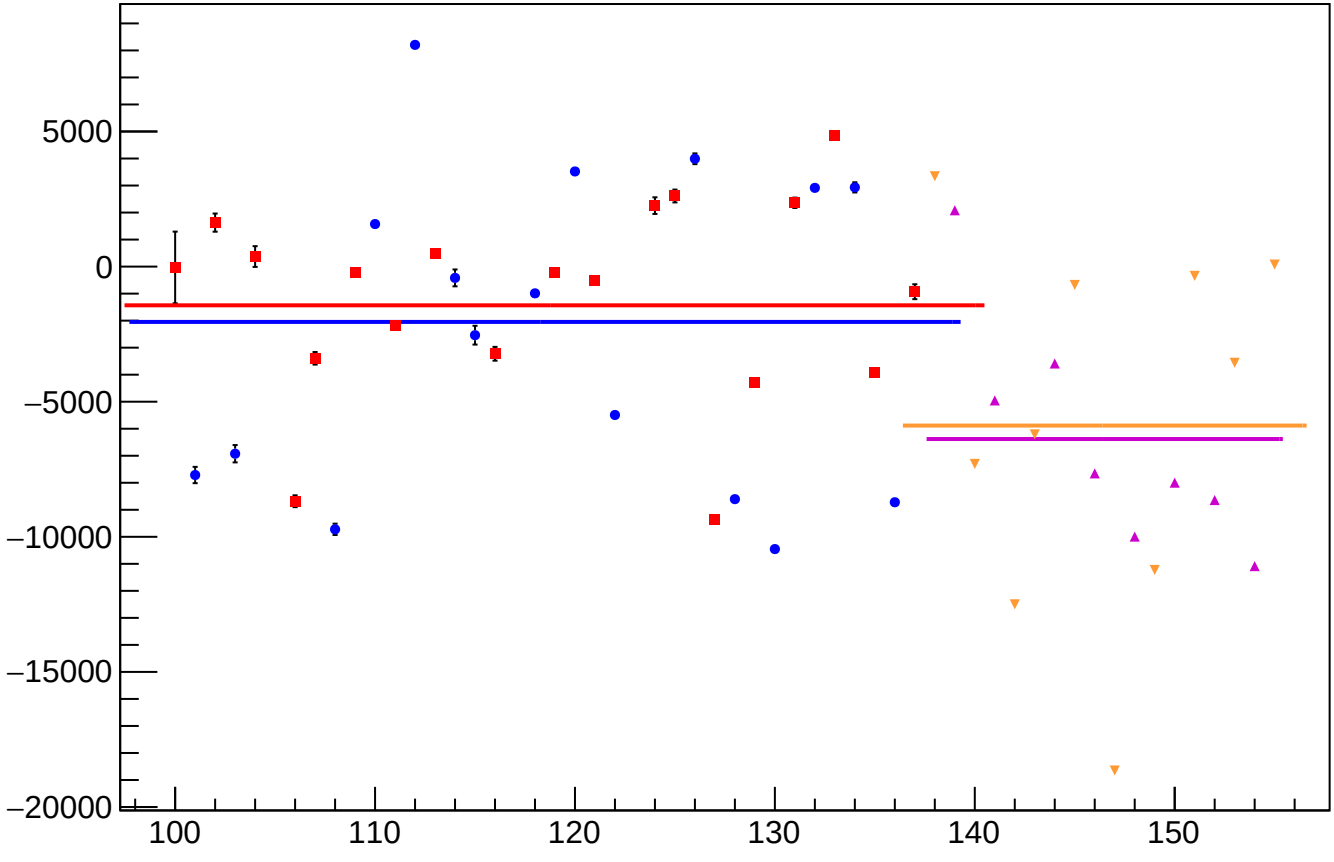
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 220.789+/-0.043 χ^2/NDF:903317.1/23

Out: 222.639+/-0.042 χ^2/NDF:1452902.2/28

All: 221.739+/-0.030 χ^2/NDF: 2357174.2/52

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -5882.971+/-41.094 χ^2/NDF:25581.6/9

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -6381.011+/-43.932 χ^2/NDF:7948.7/7

Left: -6115.382+/-30.011 χ^2/NDF: 33598.8/17

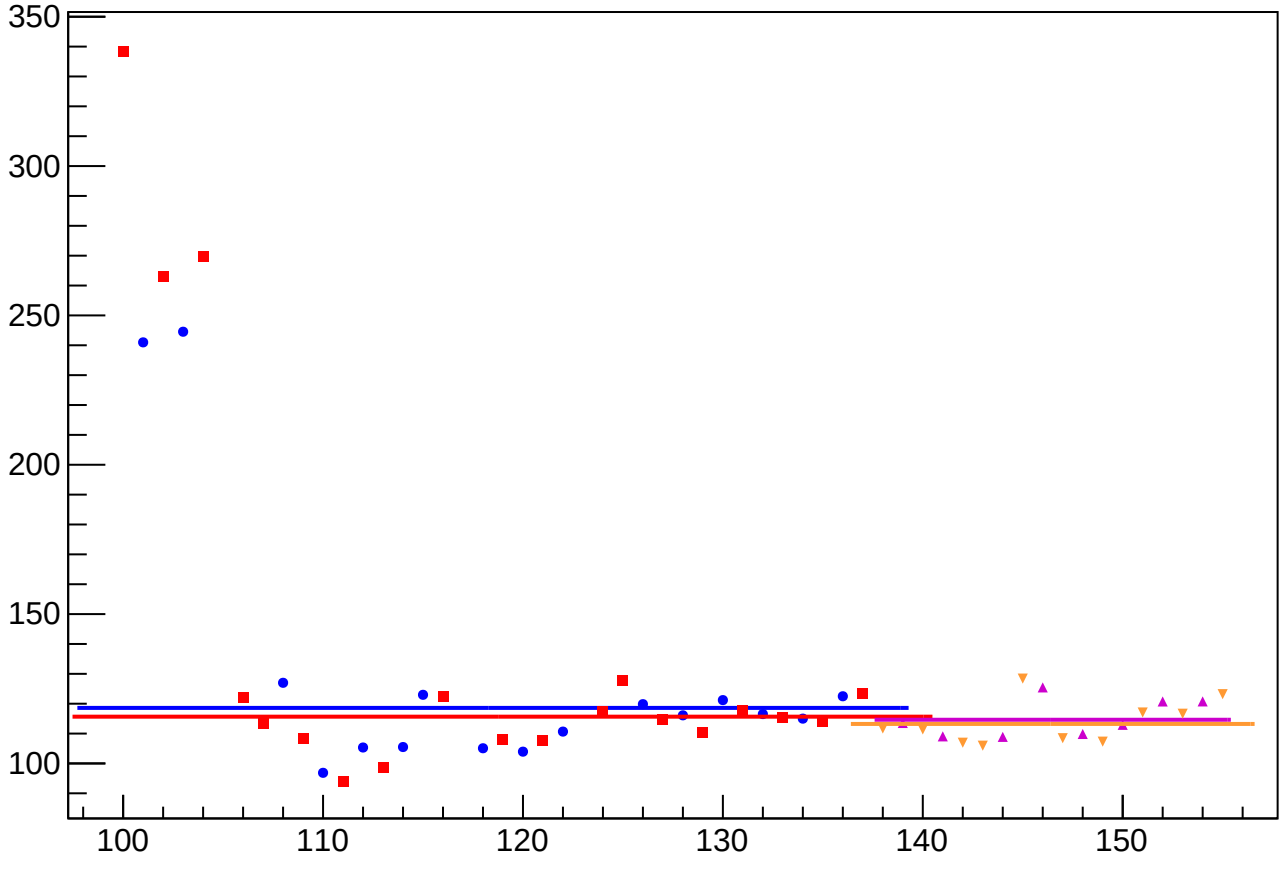
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4347.369+/-32.006 χ^2/NDF:29224.2/23

Out: -3846.104+/-30.261 χ^2/NDF:37337.0/28

All: -4082.706+/-21.989 χ^2/NDF: 66690.7/52

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 113.225+/-0.029 χ^2/NDF:54941.0/9

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 114.625+/-0.031 χ^2/NDF:34818.4/7

Left: 113.878+/-0.021 χ^2/NDF: 90842.8/17

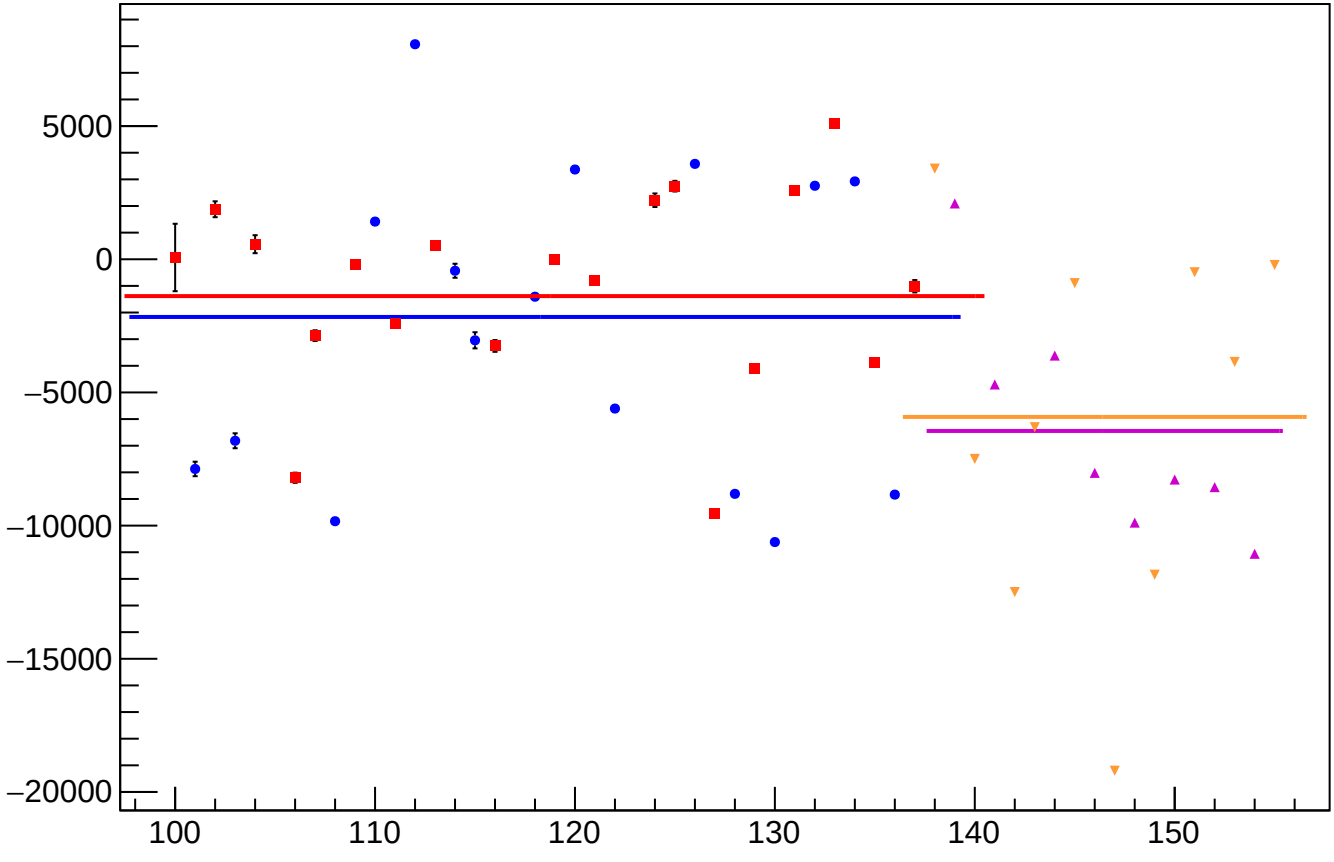
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.488+/-0.023 χ^2/NDF:776643.9/23

Out: 114.339+/-0.021 χ^2/NDF:922360.4/28

All: 115.354+/-0.016 χ^2/NDF: 1703765.1/52

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -5919.263+/-37.250 χ^2/NDF:31005.8/9

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -6446.216+/-40.563 χ^2/NDF:9603.4/7

Left: -6160.345+/-27.436 χ^2/NDF: 40700.7/17

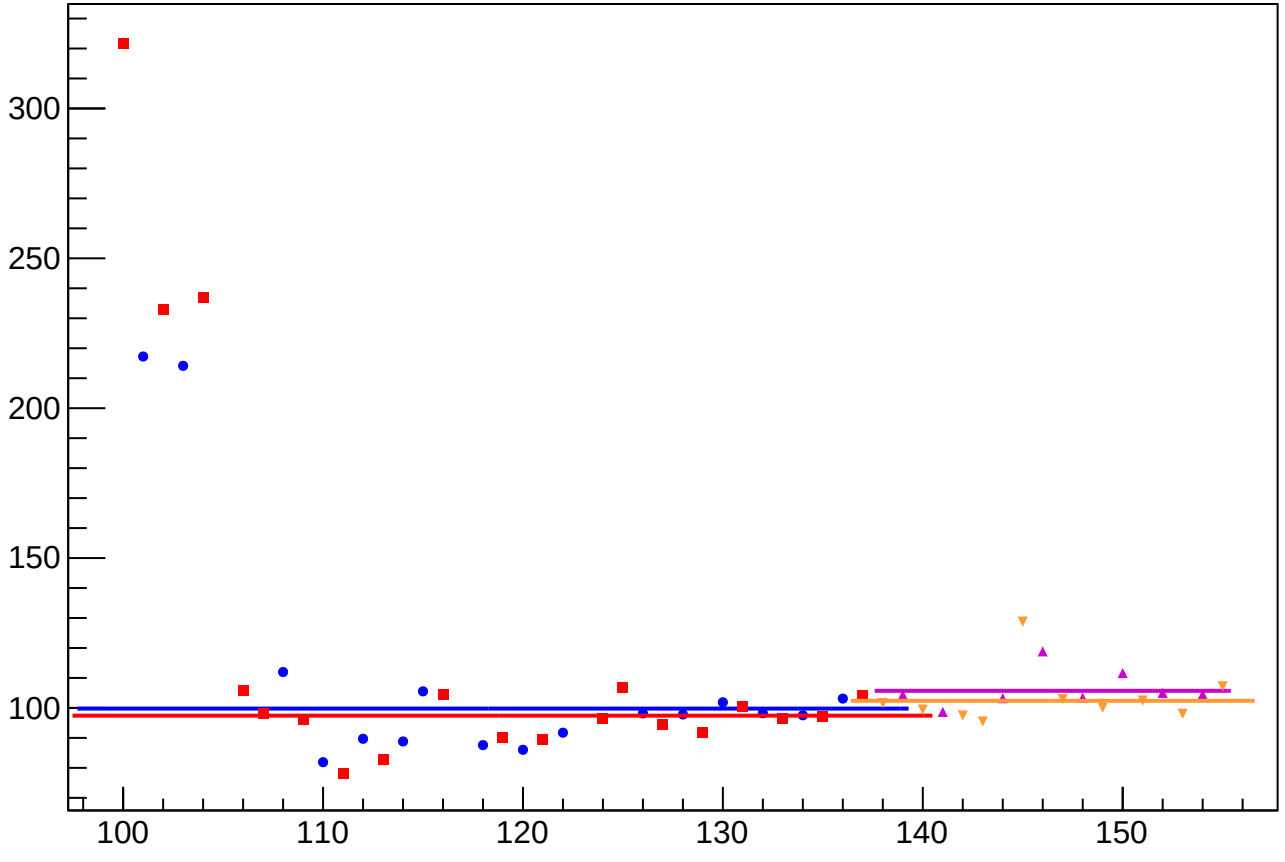
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4256.348+/-28.348 χ^2/NDF:38175.0/23

Out: -3694.925+/-26.593 χ^2/NDF:47425.9/28

All: -3957.723+/-19.395 χ^2/NDF: 85809.6/52

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 102.380+/-0.026 χ^2/NDF:85158.5/9

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 105.706+/-0.029 χ^2/NDF:37570.0/7

Left: 103.901+/-0.019 χ^2/NDF: 130023.5/17

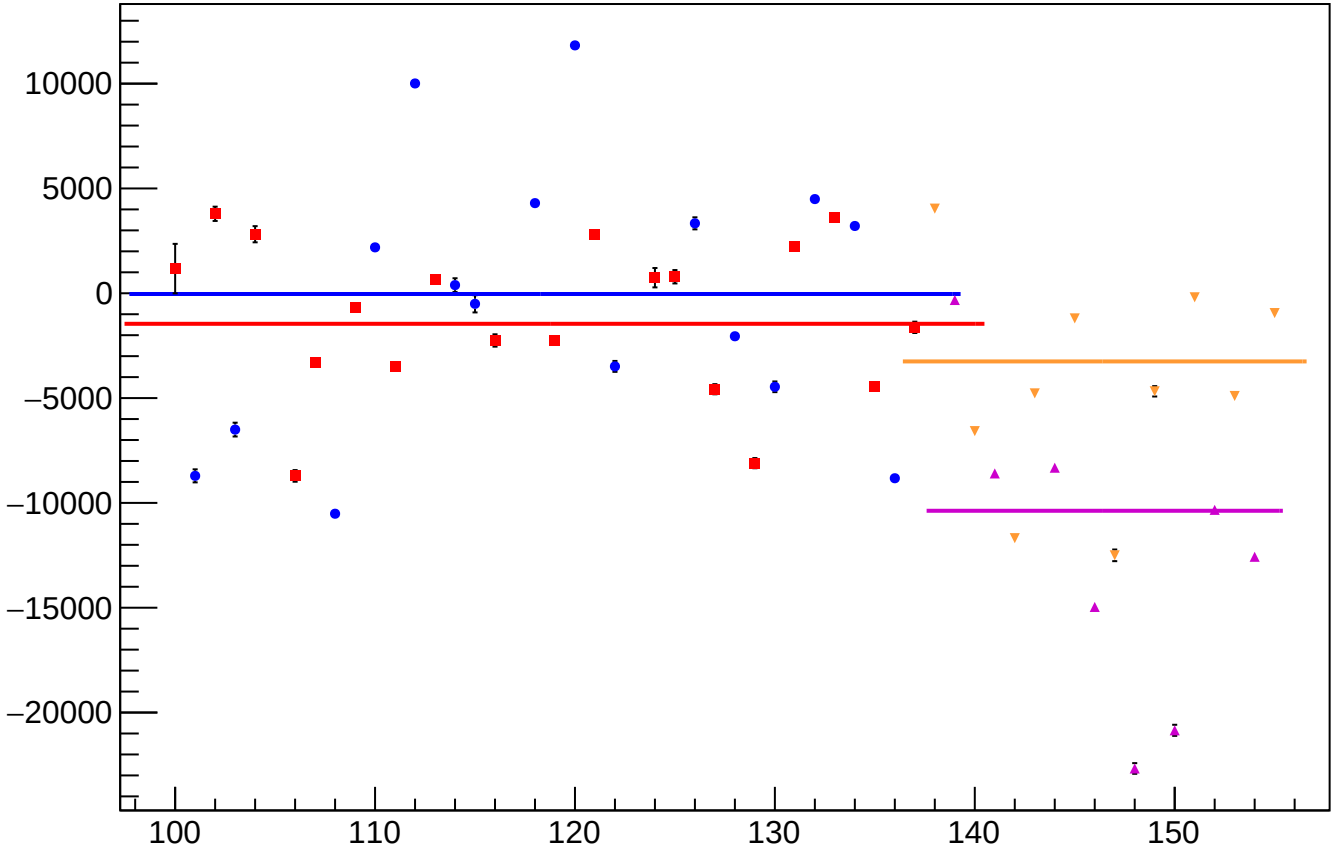
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 102.671+/-0.020 χ^2/NDF:868600.1/23

Out: 99.951+/-0.019 χ^2/NDF:1028539.3/28

All: 101.225+/-0.014 χ^2/NDF: 1906933.3/52

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3251.276+/-57.294 χ^2/NDF:5860.0/9

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -10375.552+/-64.564 χ^2/NDF:8797.5/7

Left: -6389.920+/-42.854 χ^2/NDF: 21469.3/17

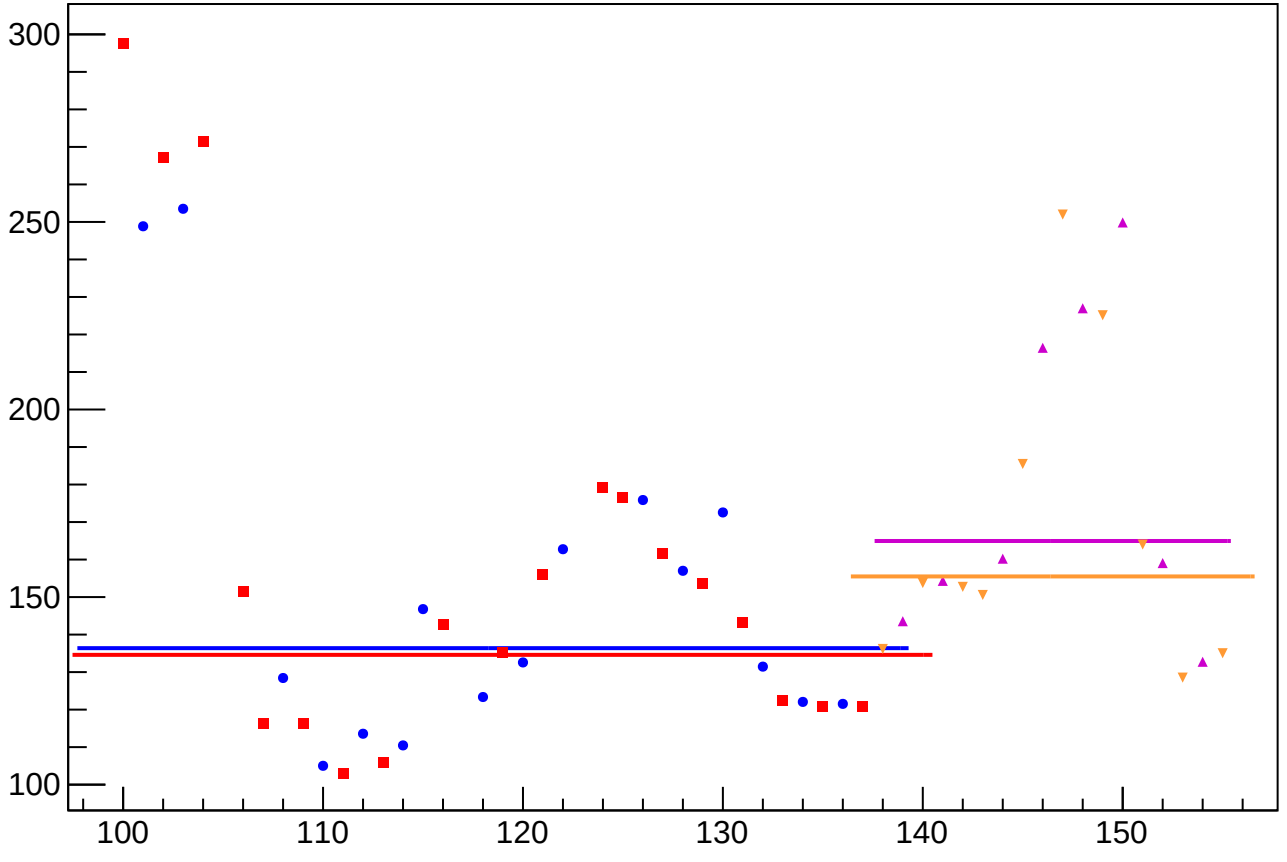
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4241.265+/-41.179 χ^2/NDF:40817.8/23

Out: -2266.315+/-38.484 χ^2/NDF:10515.5/28

All: -3187.043+/-28.117 χ^2/NDF: 52561.2/52

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 155.503+/-0.041 χ^2/NDF:588146.6/9

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 164.951+/-0.046 χ^2/NDF:576148.6/7

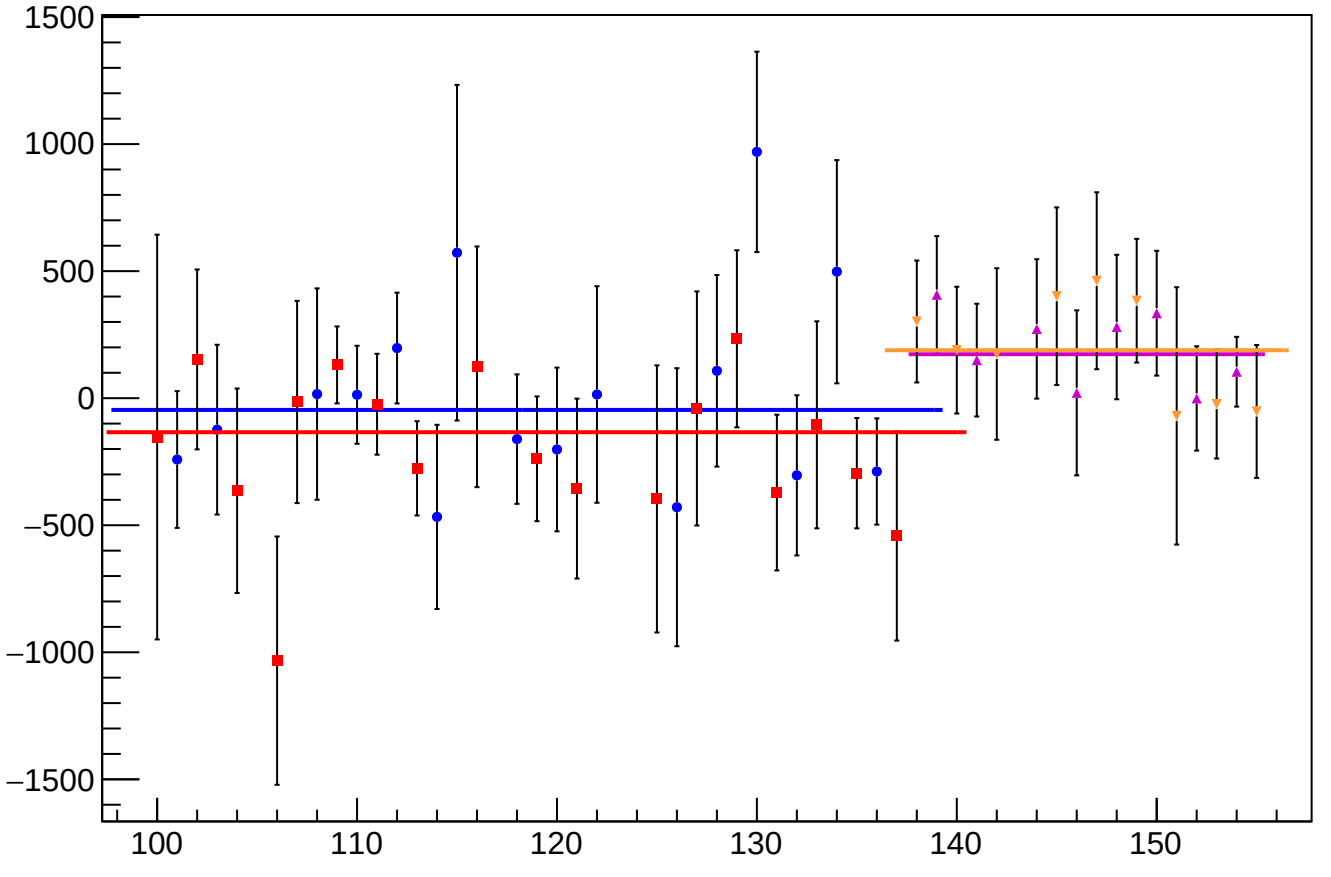
Left: 159.665+/-0.030 χ^2/NDF: 1188255.4/17

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 148.004+/-0.029 χ^2/NDF:1605276.1/23

Out: 144.029+/-0.027 χ^2/NDF:1653876.3/28

All: 145.883+/-0.020 χ^2/NDF: 3269099.4/52



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 188.690+/-92.935 χ^2/NDF:3.9/8

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 173.075+/-77.266 χ^2/NDF:2.9/7

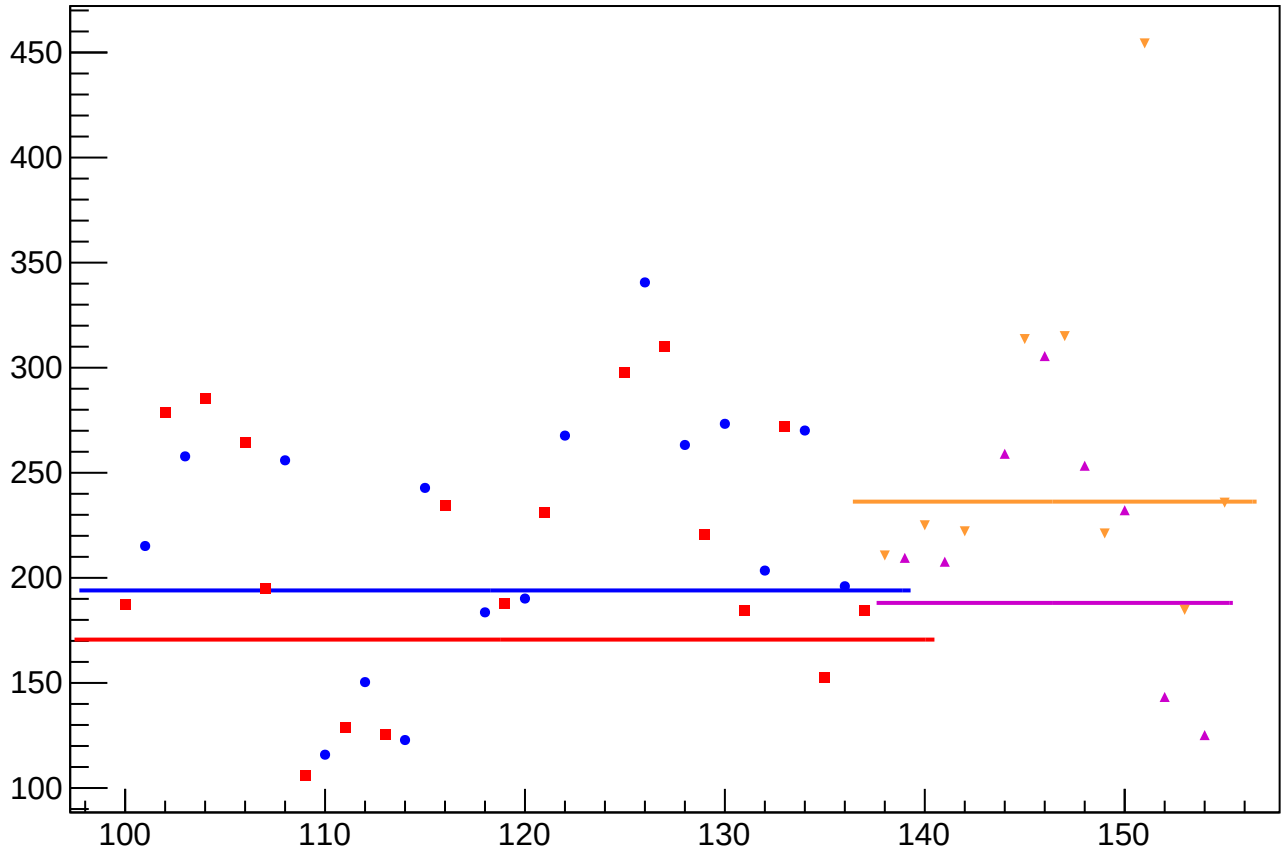
Left: 179.457+/-59.414 χ^2/NDF: 6.9/16

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 62.034+/-54.284 χ^2/NDF:22.5/23

Out: -20.533+/-55.095 χ^2/NDF:24.6/26

All: 21.362+/-38.668 χ^2/NDF: 48.2/50



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 236.275+/-0.066 χ^2/NDF:724275.9/8

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 188.084+/-0.055 χ^2/NDF:1112626.8/7

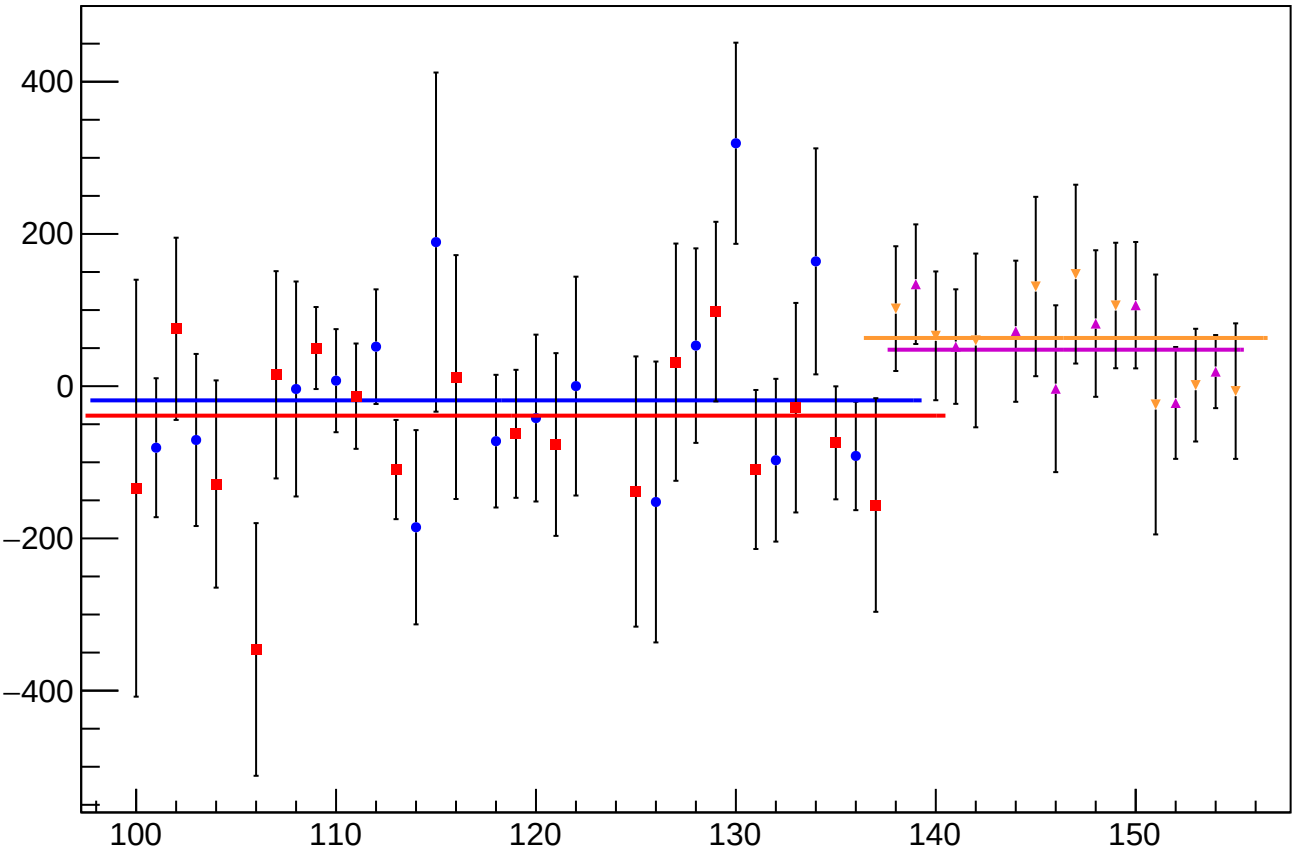
Left: 207.780+/-0.042 χ^2/NDF: 2154892.5/16

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 191.088+/-0.038 χ^2/NDF:2162187.5/23

Out: 193.697+/-0.039 χ^2/NDF:2965312.2/26

All: 192.373+/-0.027 χ^2/NDF: 5129775.2/50



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 63.338+/-31.626 χ^2/NDF:2.9/8

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 47.922+/-26.633 χ^2/NDF:3.4/7

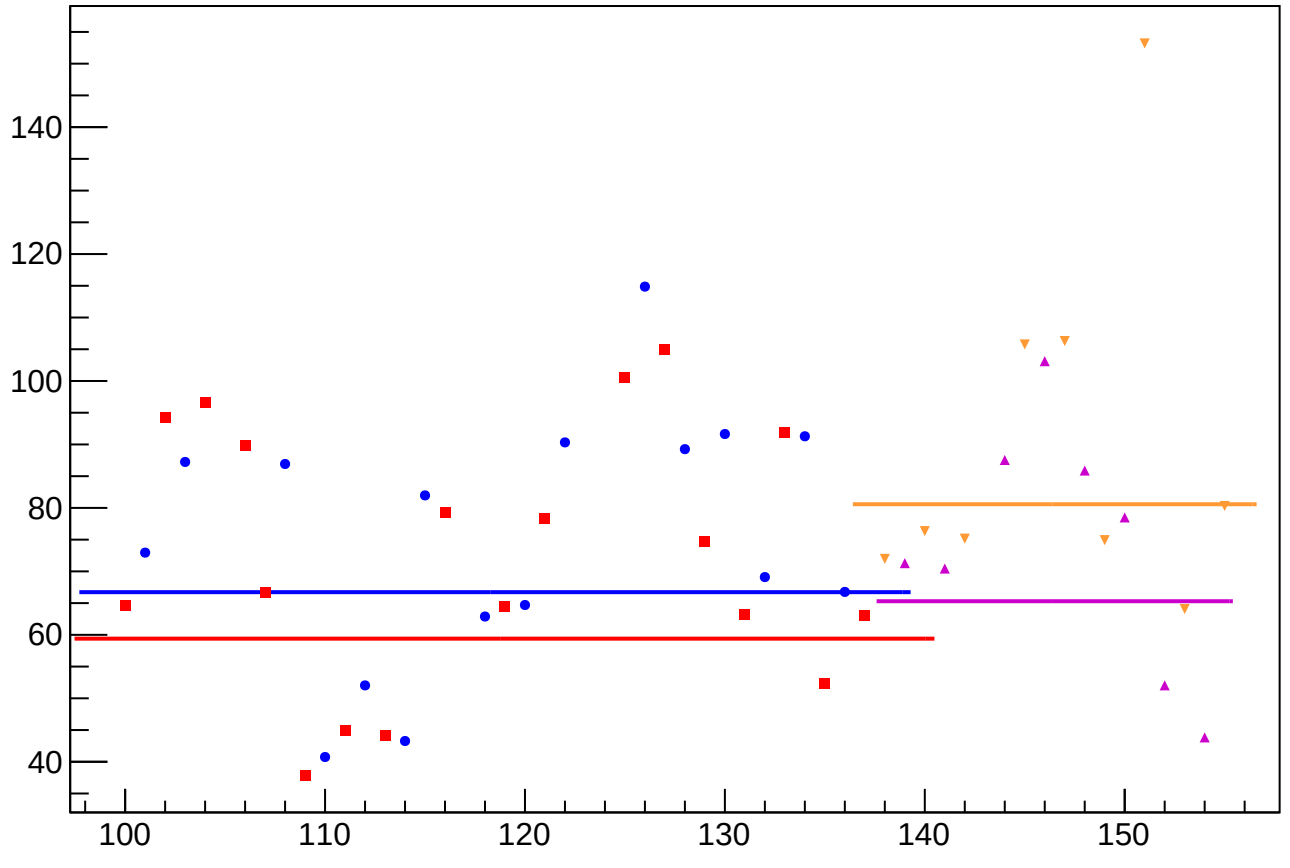
Left: 54.318+/-20.372 χ^2/NDF: 6.4/16

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 13.995+/-18.649 χ^2/NDF:21.8/23

Out: -2.111+/-18.941 χ^2/NDF:22.2/26

All: 6.067+/-13.289 χ^2/NDF: 44.3/50



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 80.577+/-0.022 χ^2/NDF:689332.3/8

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 65.297+/-0.019 χ^2/NDF:980747.8/7

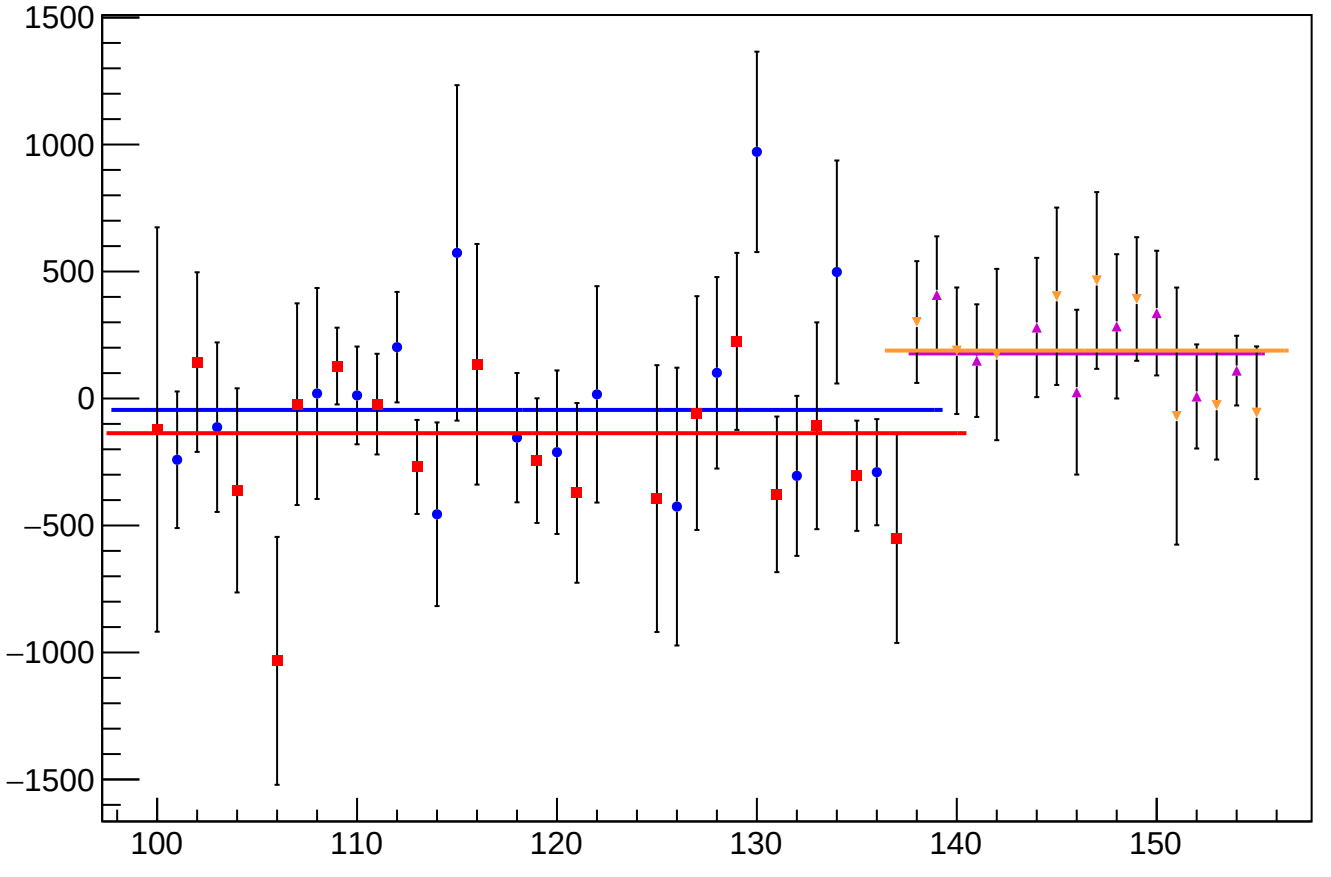
Left: 71.637+/-0.014 χ^2/NDF: 1943231.2/16

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 66.025+/-0.013 χ^2/NDF:1930714.8/23

Out: 66.996+/-0.013 χ^2/NDF:2709779.2/26

All: 66.503+/-0.009 χ^2/NDF: 4643166.4/50



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 188.694+/-92.857 χ^2/NDF:4.1/8

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 177.415+/-77.196 χ^2/NDF:2.9/7

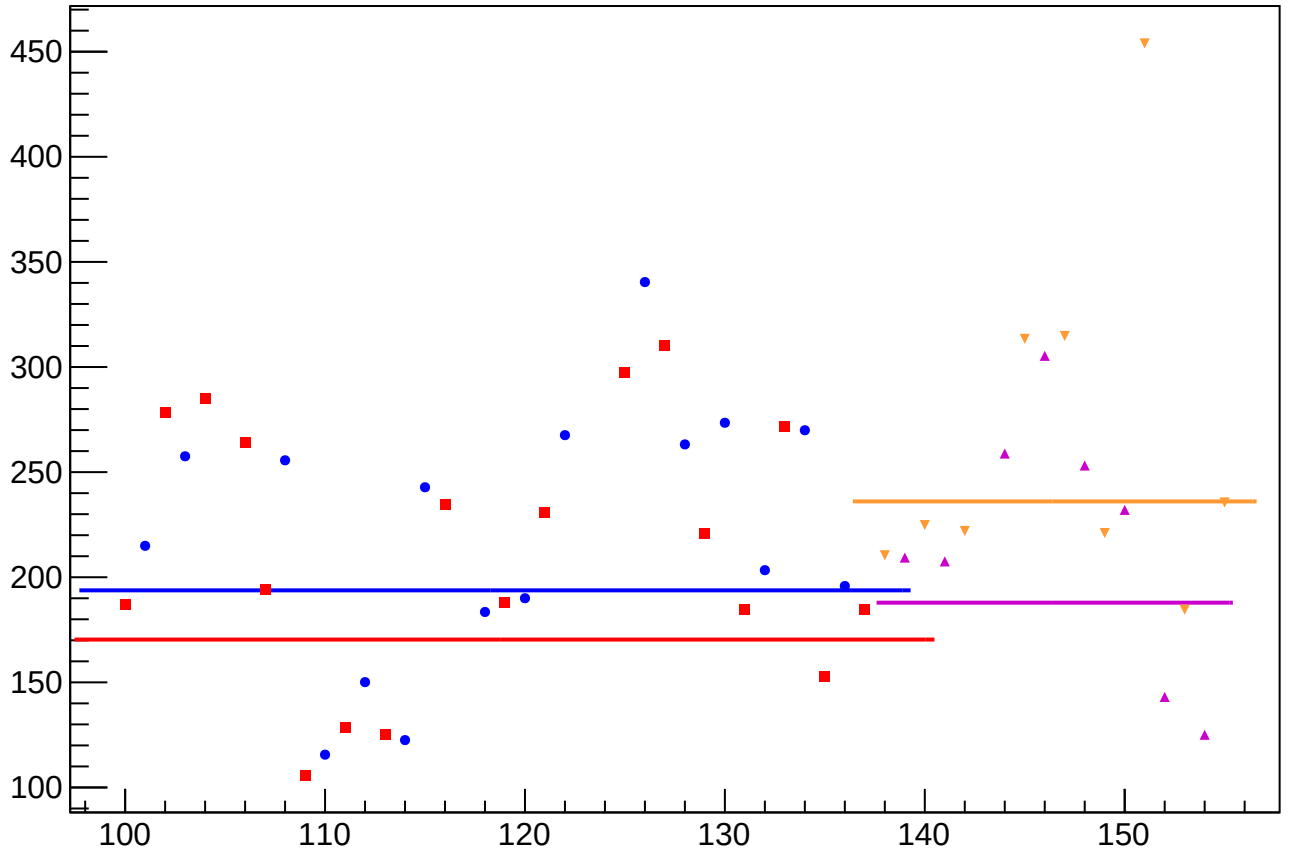
Left: 182.025+/-59.362 χ^2/NDF: 6.9/16

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 64.802+/-54.230 χ^2/NDF:22.5/23

Out: -22.335+/-55.031 χ^2/NDF:24.9/26

All: 21.873+/-38.626 χ^2/NDF: 48.7/50



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 236.072+/-0.066 χ^2/NDF:724636.2/8

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 187.902+/-0.055 χ^2/NDF:1113728.6/7

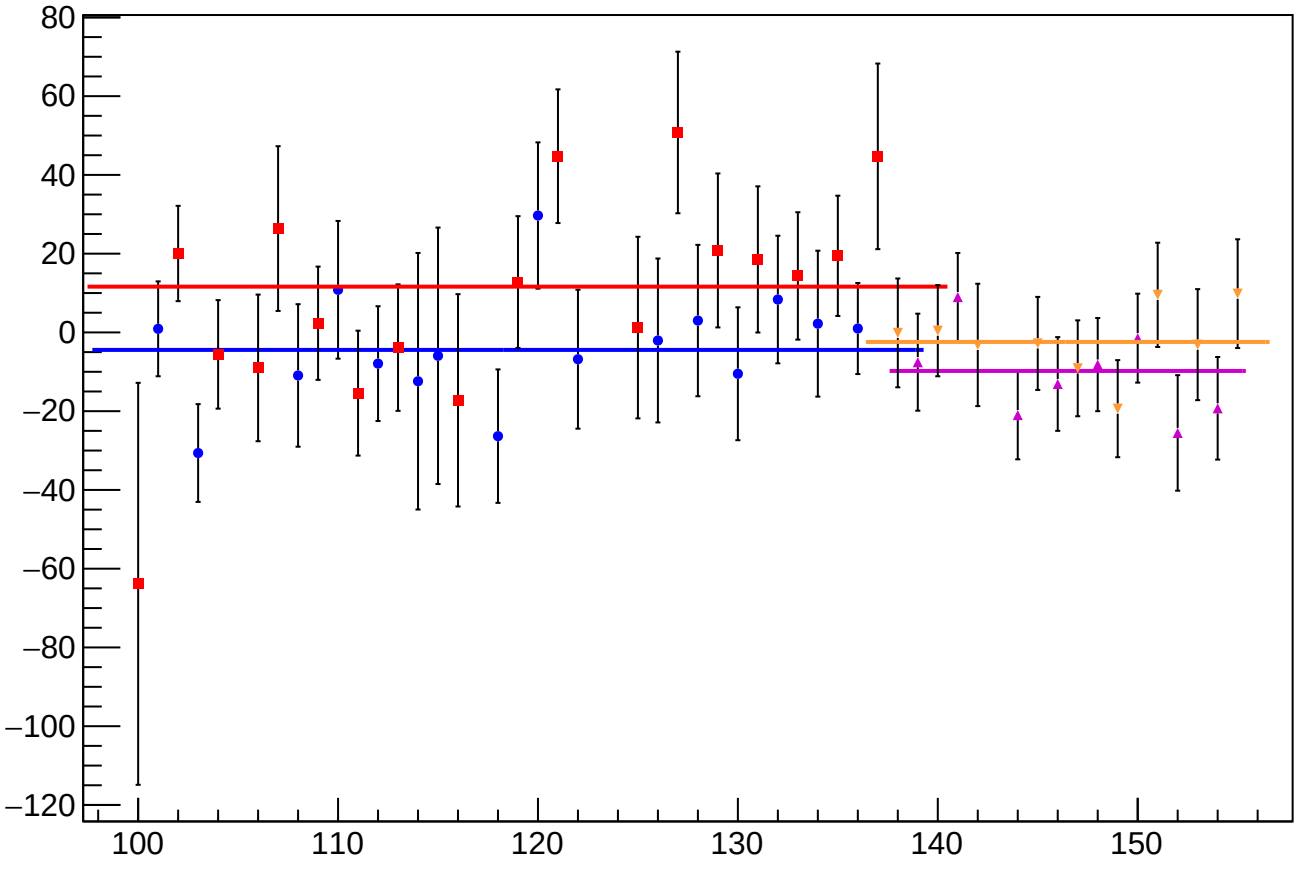
Left: 207.588+/-0.042 χ^2/NDF: 2156626.2/16

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 190.873+/-0.038 χ^2/NDF:2167672.8/23

Out: 193.438+/-0.039 χ^2/NDF:2973517.8/26

All: 192.137+/-0.027 χ^2/NDF: 5143395.7/50



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -2.417+/-4.331 χ^2/NDF:3.9/8

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -9.784+/-4.261 χ^2/NDF:6.2/7

Left: -6.160+/-3.038 χ^2/NDF: 11.5/16

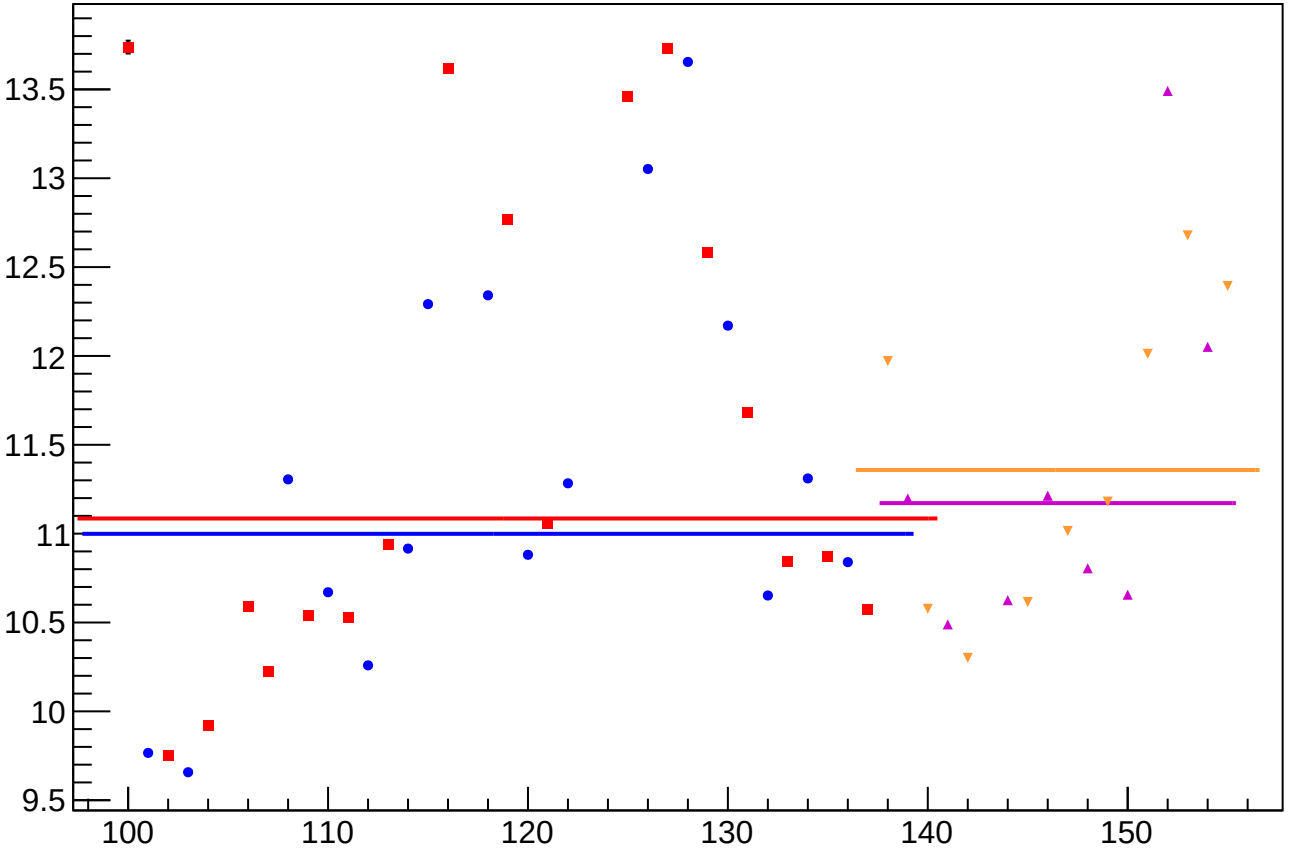
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -7.029+/-2.966 χ^2/NDF:18.9/23

Out: 4.928+/-2.991 χ^2/NDF:31.0/26

All: -1.102+/-2.106 χ^2/NDF: 58.0/50

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.358+/-0.003 χ^2/NDF:65865.7/8

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.172+/-0.003 χ^2/NDF:77391.4/7

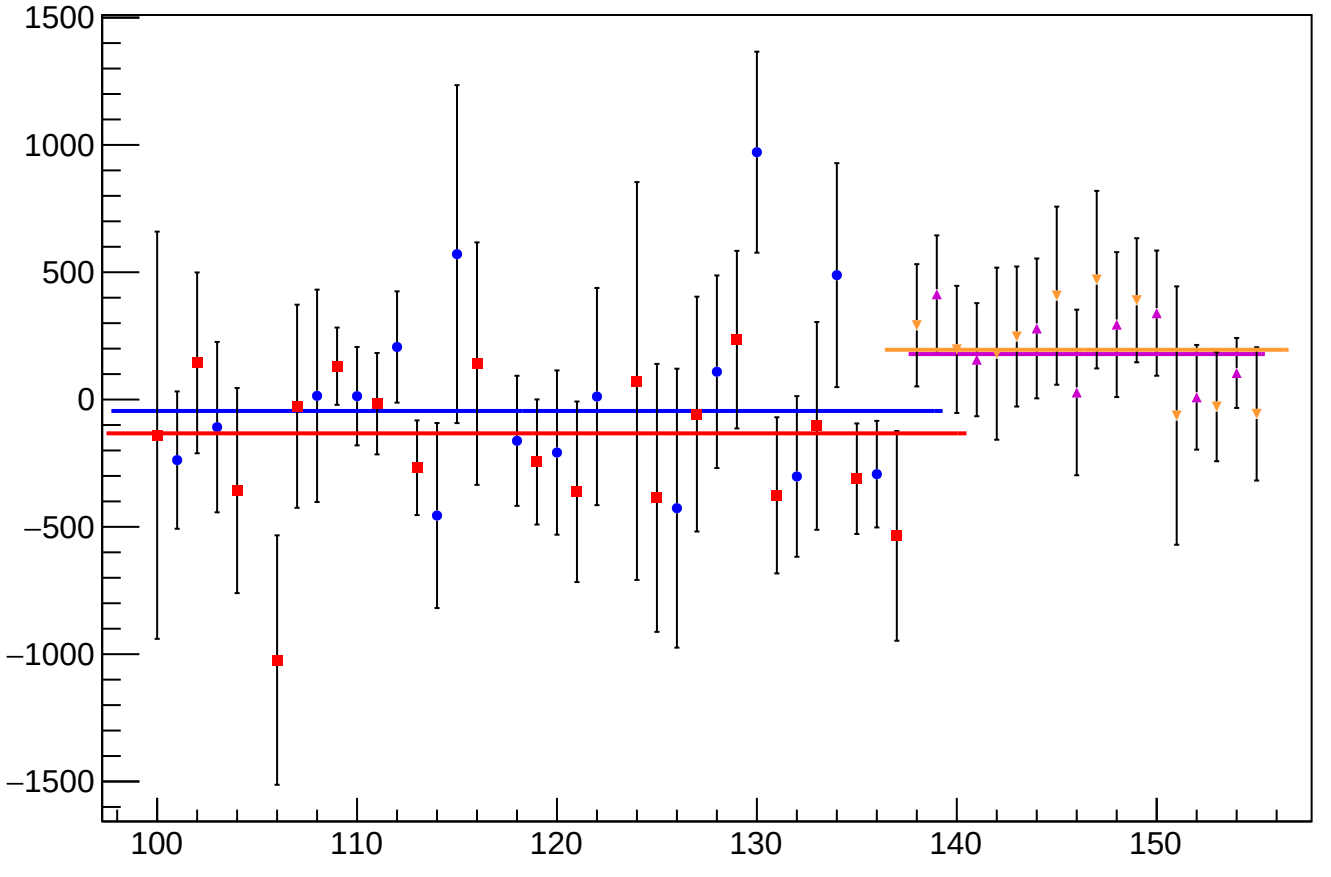
Left: 11.263+/-0.002 χ^2/NDF: 145135.7/16

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.083+/-0.002 χ^2/NDF:215246.7/23

Out: 11.215+/-0.002 χ^2/NDF:232219.1/26

All: 11.149+/-0.001 χ^2/NDF: 449449.4/50



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 195.544+/-88.119 χ^2/NDF:4.1/9

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 178.611+/-77.333 χ^2/NDF:3.0/7

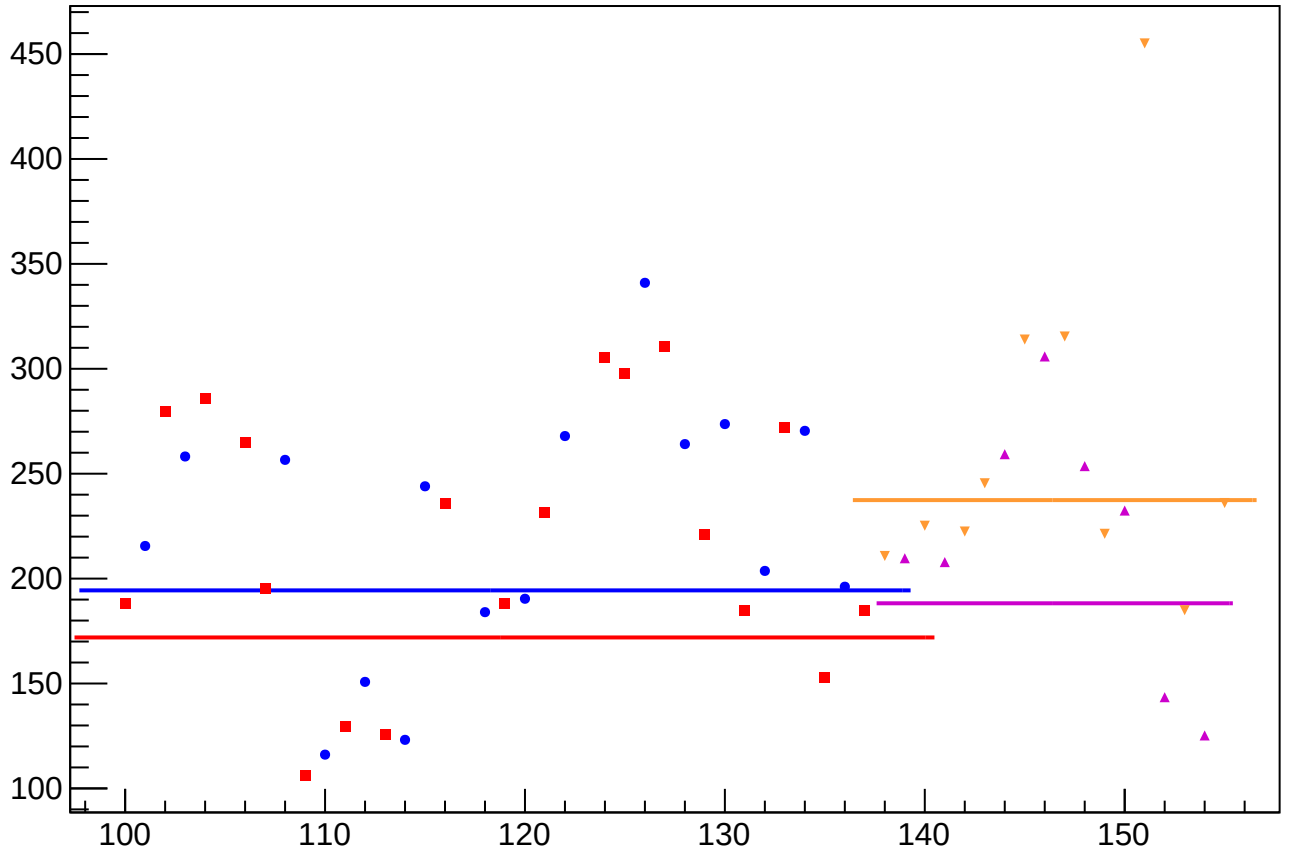
Left: 185.978+/-58.124 χ^2/NDF: 7.1/17

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 65.585+/-54.358 χ^2/NDF:22.6/23

Out: -9.598+/-53.968 χ^2/NDF:25.6/28

All: 27.722+/-38.298 χ^2/NDF: 49.2/52



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 237.412+/-0.062 χ^2/NDF:727042.1/9

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 188.233+/-0.055 χ^2/NDF:1113685.3/7

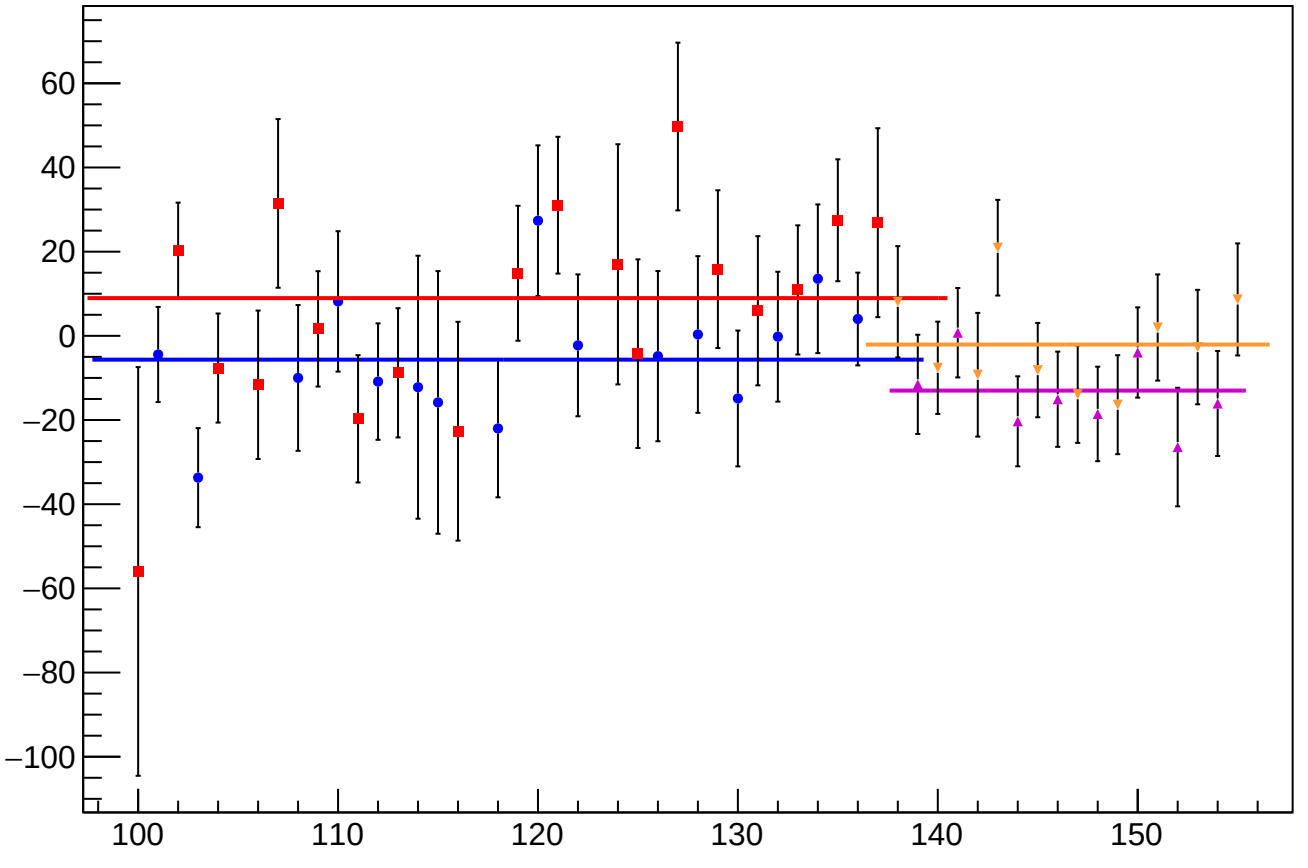
Left: 209.630+/-0.041 χ^2/NDF: 2192641.7/17

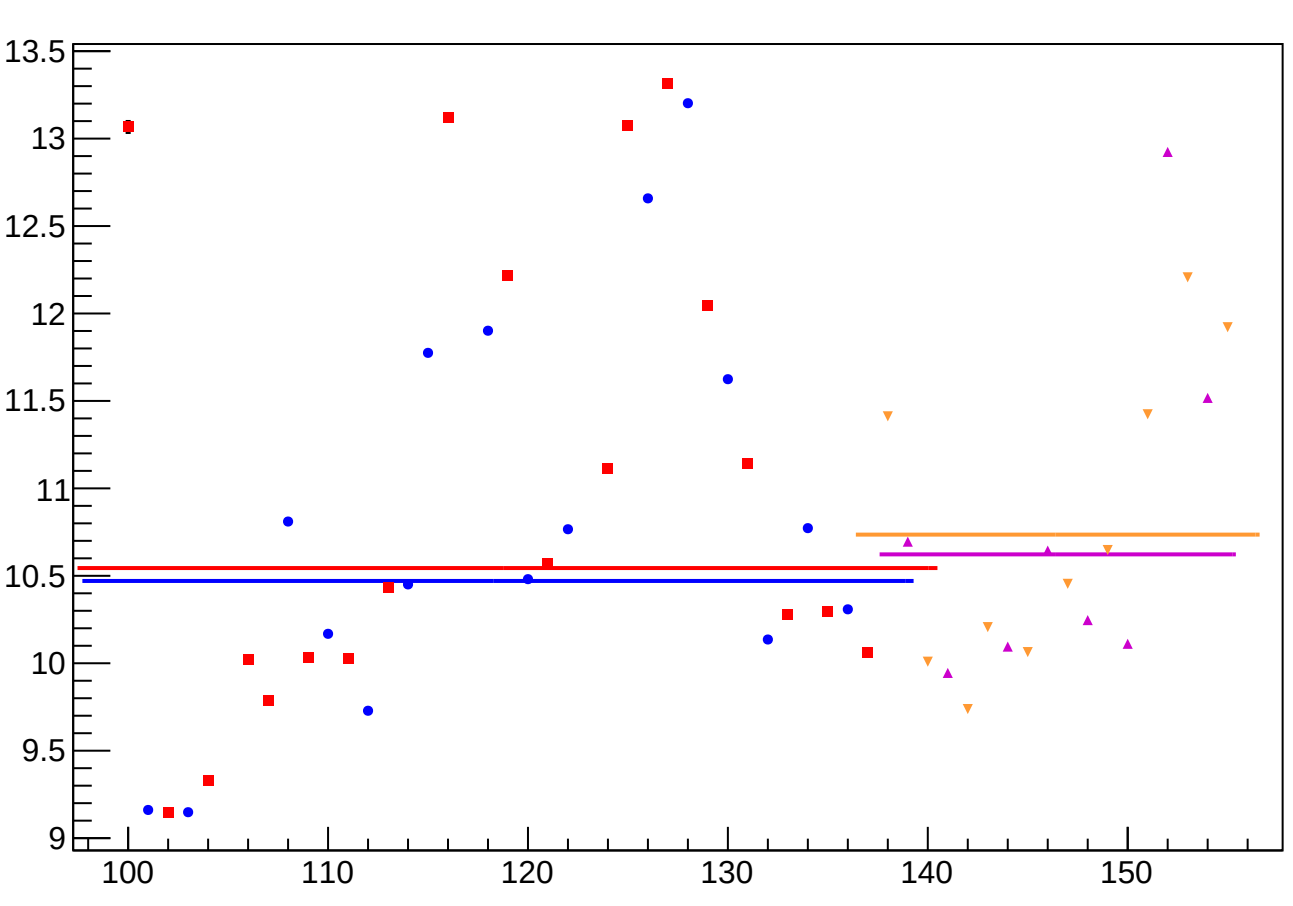
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 191.346+/-0.038 χ^2/NDF:2162113.0/23

Out: 196.503+/-0.038 χ^2/NDF:3068161.1/28

All: 193.943+/-0.027 χ^2/NDF: 5239342.7/52


asym_bcm_an_us_an_ds3_dd_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: -5.657+/-3.939 χ²/NDF: 13.7/15
Left Out: -2.067+/-3.880 χ²/NDF:8.7/9
Right Out: 8.960+/-3.901 χ²/NDF: 22.8/18
Left In: -13.009+/-4.058 χ²/NDF:4.1/7
Left: -7.292+/-2.805 χ²/NDF: 16.7/17
Right: 1.723+/-2.772 χ²/NDF: 43.4/34
In: -9.224+/-2.827 χ²/NDF:19.5/23
Out: 3.417+/-2.751 χ²/NDF:35.6/28
All: -2.732+/-1.971 χ²/NDF: 65.3/52



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.736+/-0.003 χ^2/NDF:81288.5/9

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.623+/-0.003 χ^2/NDF:83583.0/7

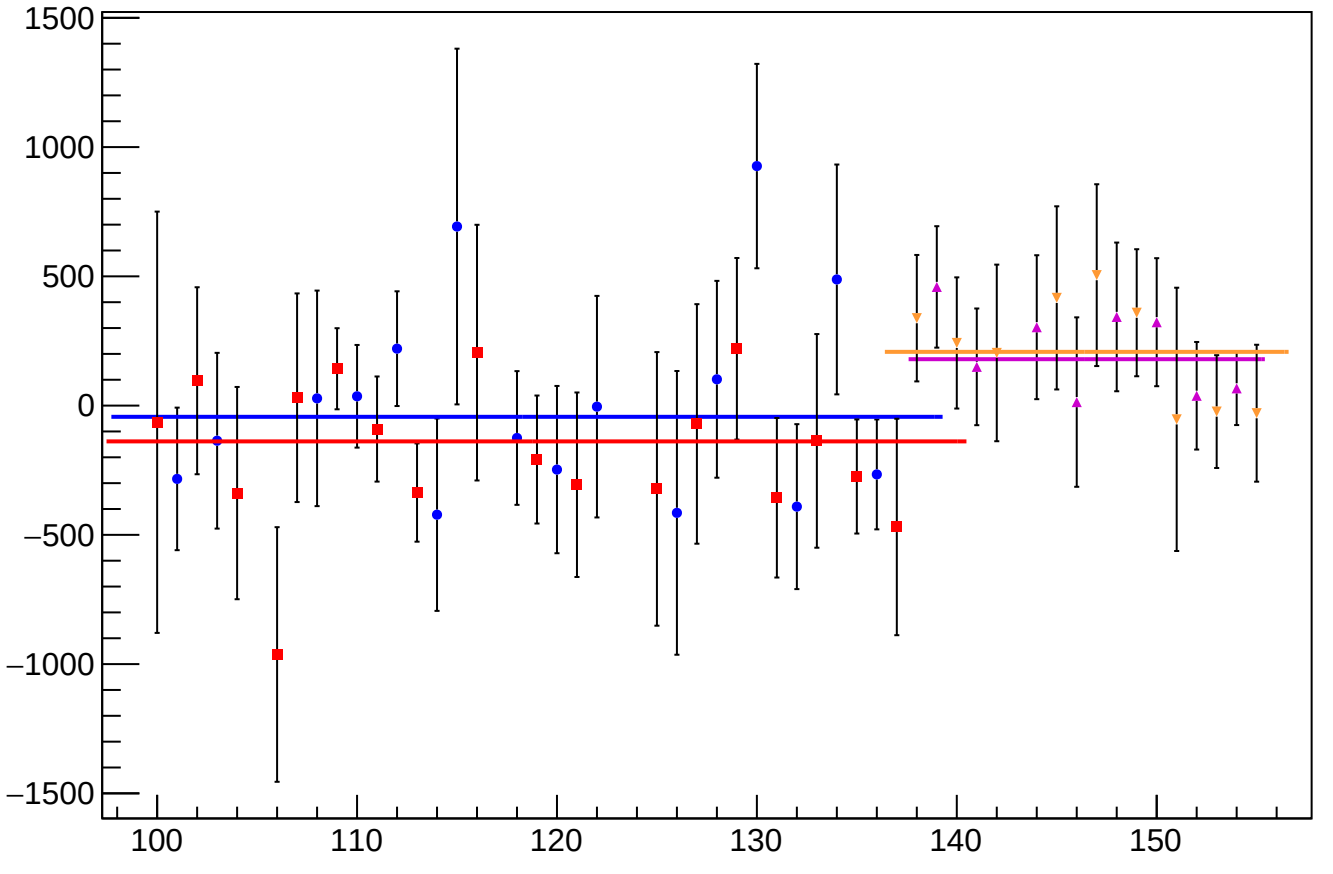
Left: 10.682+/-0.002 χ^2/NDF: 165681.1/17

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.544+/-0.002 χ^2/NDF:242393.5/23

Out: 10.640+/-0.002 χ^2/NDF:270484.5/28

All: 10.594+/-0.001 χ^2/NDF: 514066.3/52



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 207.928+/-94.257 χ^2/NDF:3.9/8

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 179.520+/-78.815 χ^2/NDF:3.6/7

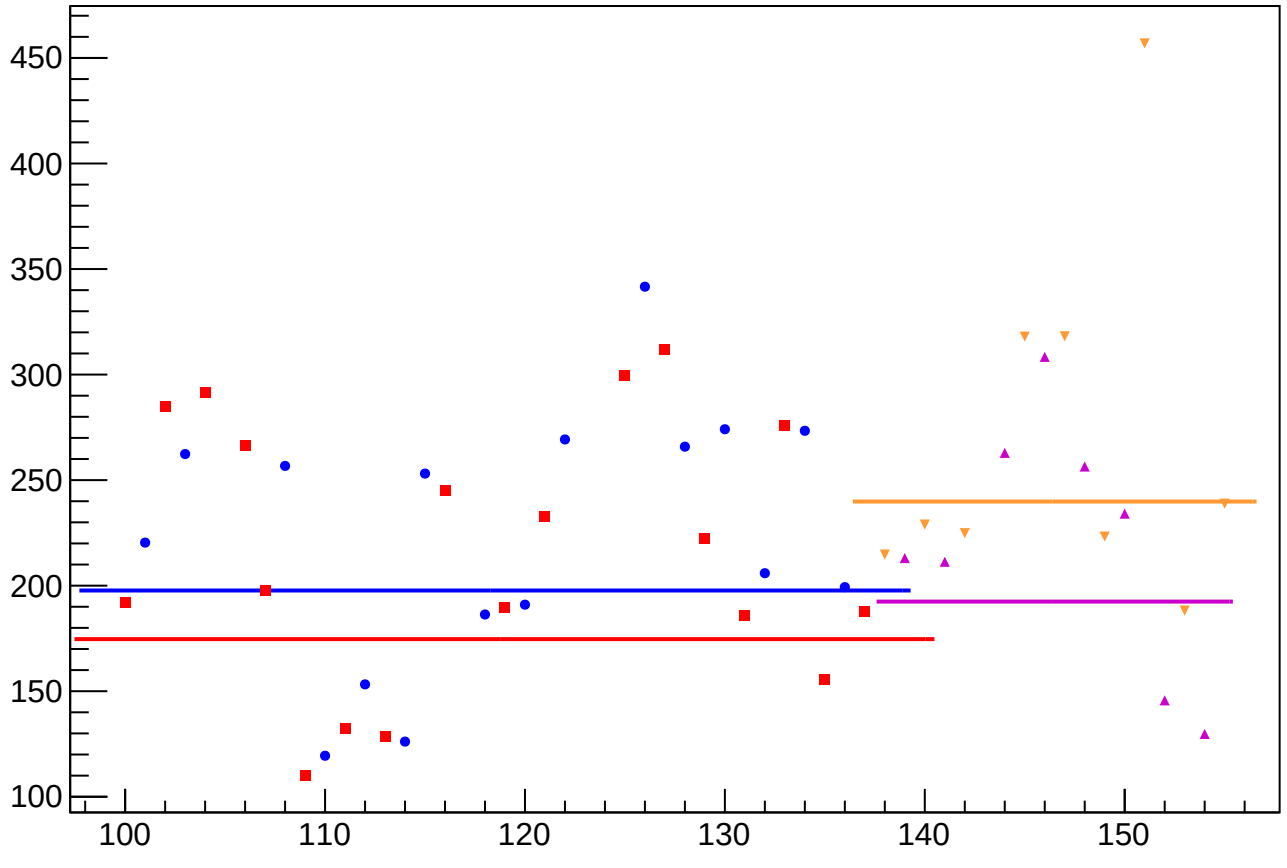
Left: 191.209+/-60.463 χ^2/NDF: 7.6/16

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 66.313+/-55.290 χ^2/NDF:23.2/23

Out: -15.704+/-56.111 χ^2/NDF:24.1/26

All: 25.909+/-39.383 χ^2/NDF: 48.3/50



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 239.854+/-0.067 χ^2/NDF:709440.0/8

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 192.452+/-0.056 χ^2/NDF:1054052.6/7

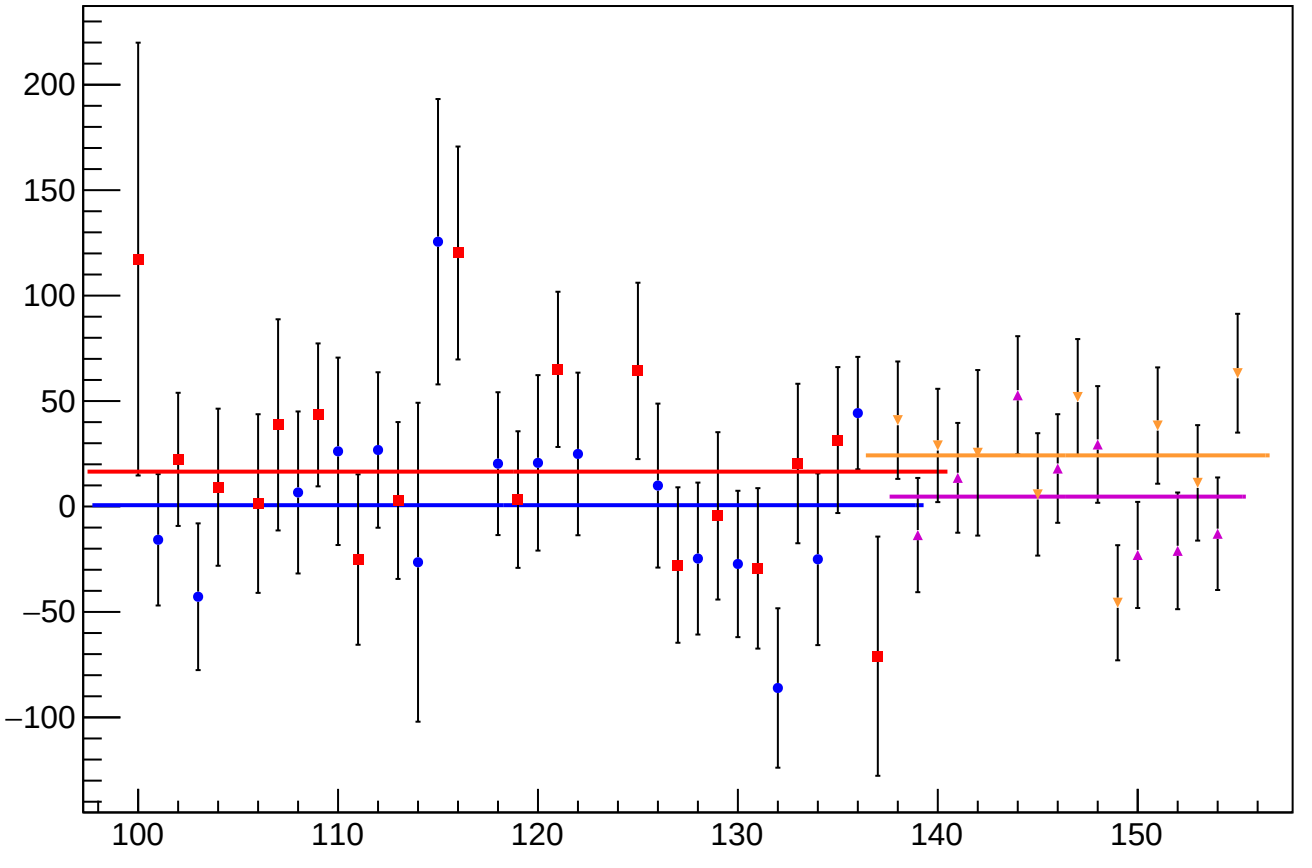
Left: 211.957+/-0.043 χ^2/NDF: 2061166.7/16

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 195.121+/-0.039 χ^2/NDF:2058892.7/23

Out: 197.776+/-0.040 χ^2/NDF:2861547.0/26

All: 196.429+/-0.028 χ^2/NDF: 4922710.5/50



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 24.240+/-9.497 χ^2/NDF:10.8/8

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 4.681+/-9.441 χ^2/NDF:7.1/7

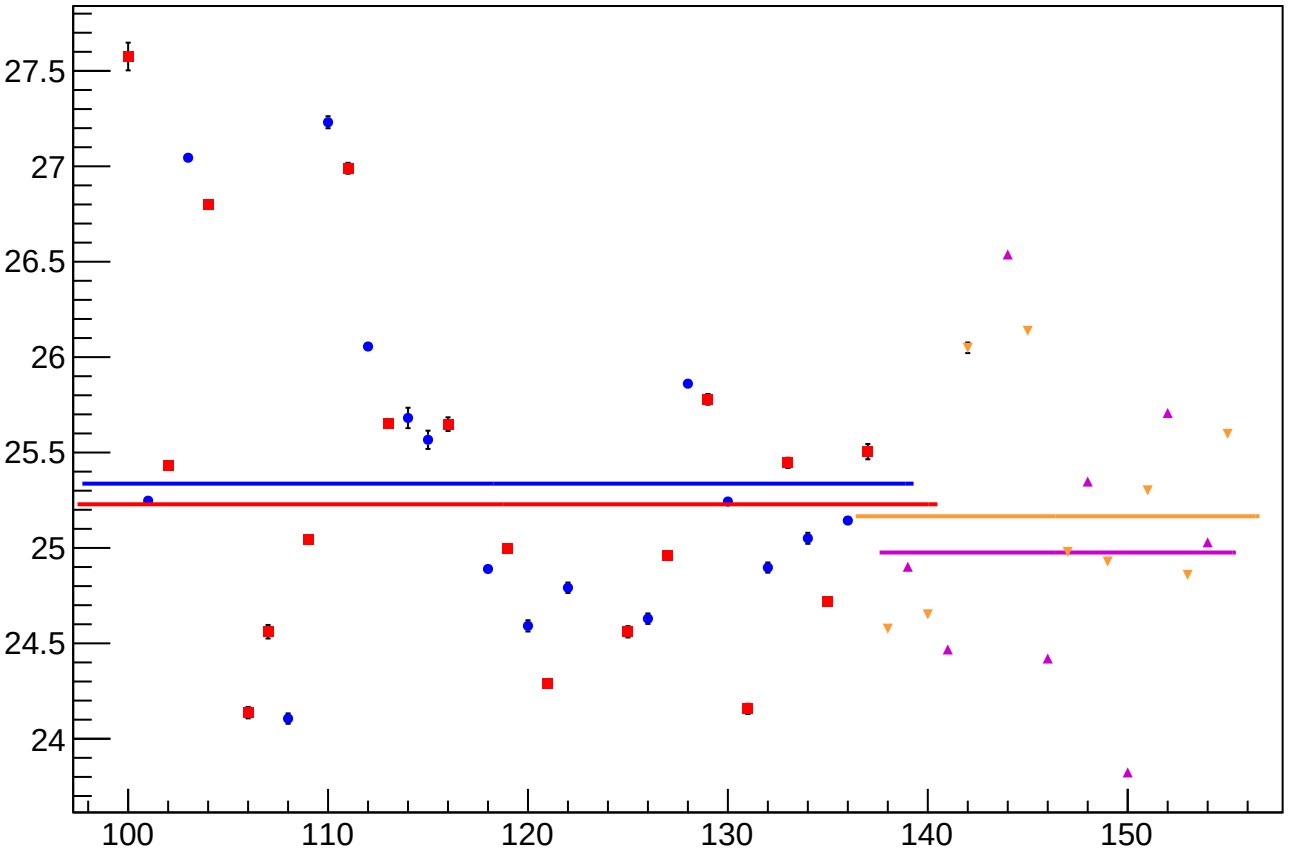
Left: 14.402+/-6.696 χ^2/NDF: 20.0/16

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 2.646+/-6.669 χ^2/NDF:23.9/23

Out: 20.309+/-6.647 χ^2/NDF:27.5/26

All: 11.506+/-4.708 χ^2/NDF: 54.9/50



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.166+/-0.007 χ^2/NDF:5895.6/8

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.976+/-0.007 χ^2/NDF:13888.4/7

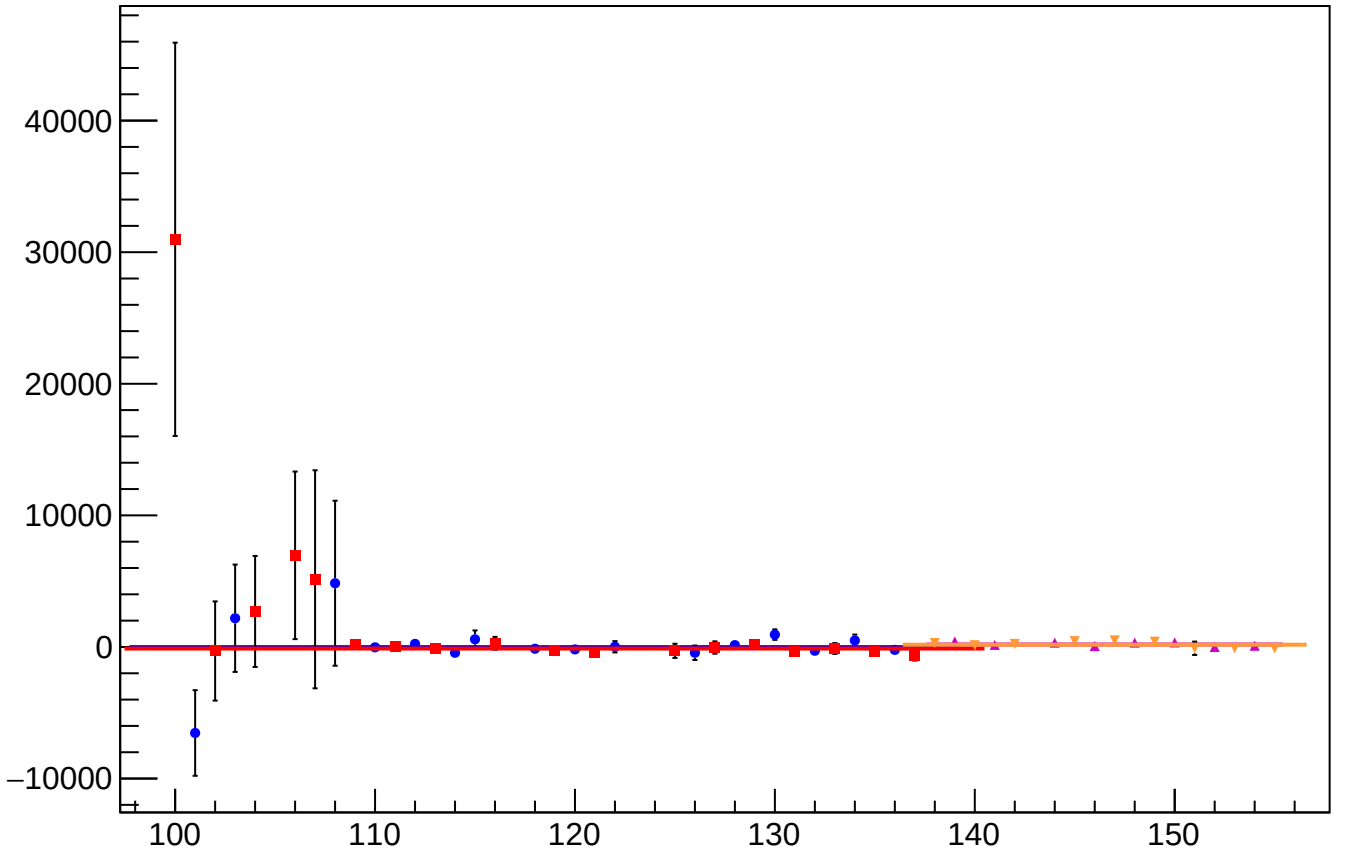
Left: 25.071+/-0.005 χ^2/NDF: 20186.8/16

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.157+/-0.005 χ^2/NDF:29668.2/23

Out: 25.198+/-0.005 χ^2/NDF:21116.1/26

All: 25.178+/-0.003 χ^2/NDF: 50822.6/50



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 171.646+/-95.570 χ^2/NDF:5.2/8

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 187.434+/-80.152 χ^2/NDF:3.2/7

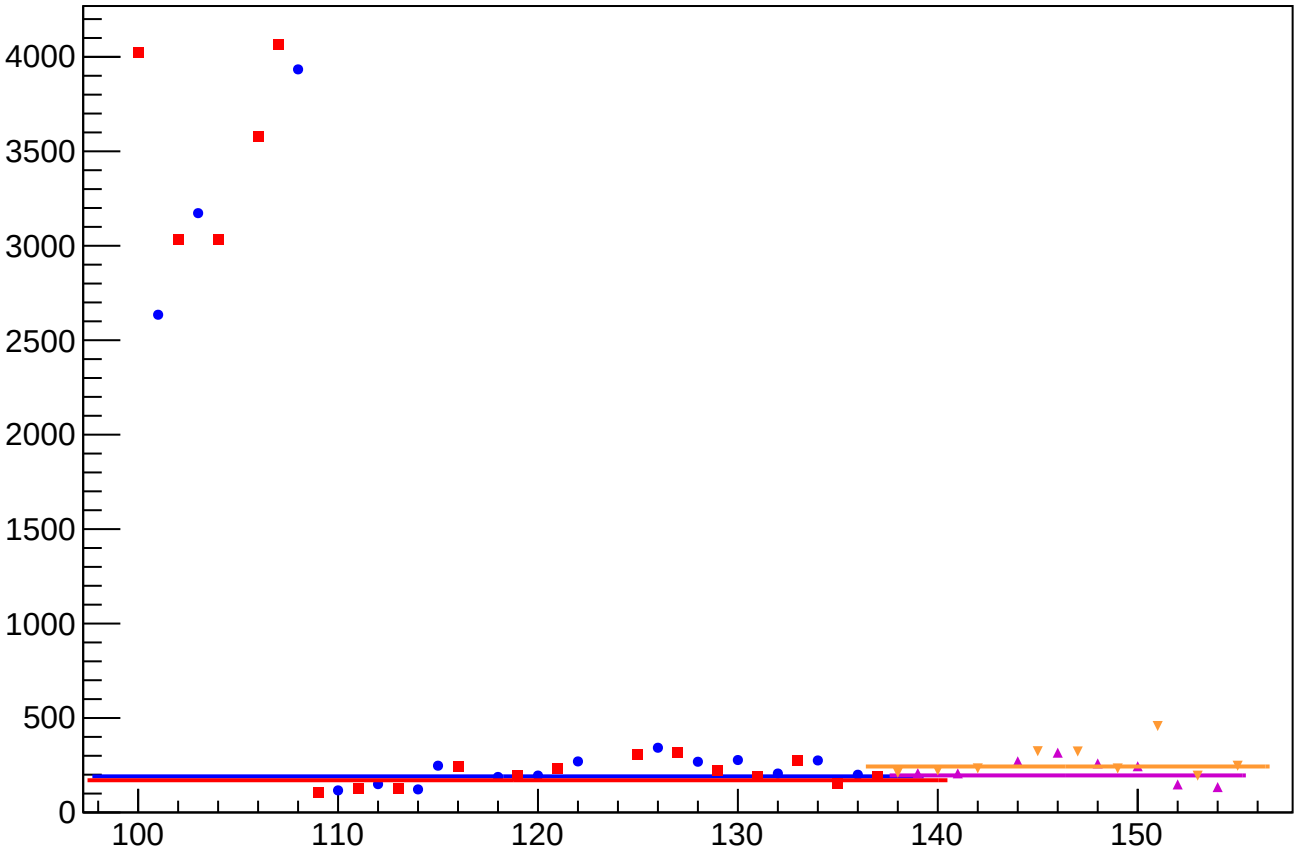
Left: 180.915+/-61.413 χ^2/NDF: 8.4/16

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 92.376+/-58.137 χ^2/NDF:24.5/23

Out: -2.948+/-60.543 χ^2/NDF:25.2/26

All: 46.646+/-41.934 χ^2/NDF: 51.0/50



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 243.324+/-0.068 χ^2/NDF:705127.1/8

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 196.057+/-0.057 χ^2/NDF:1022001.8/7

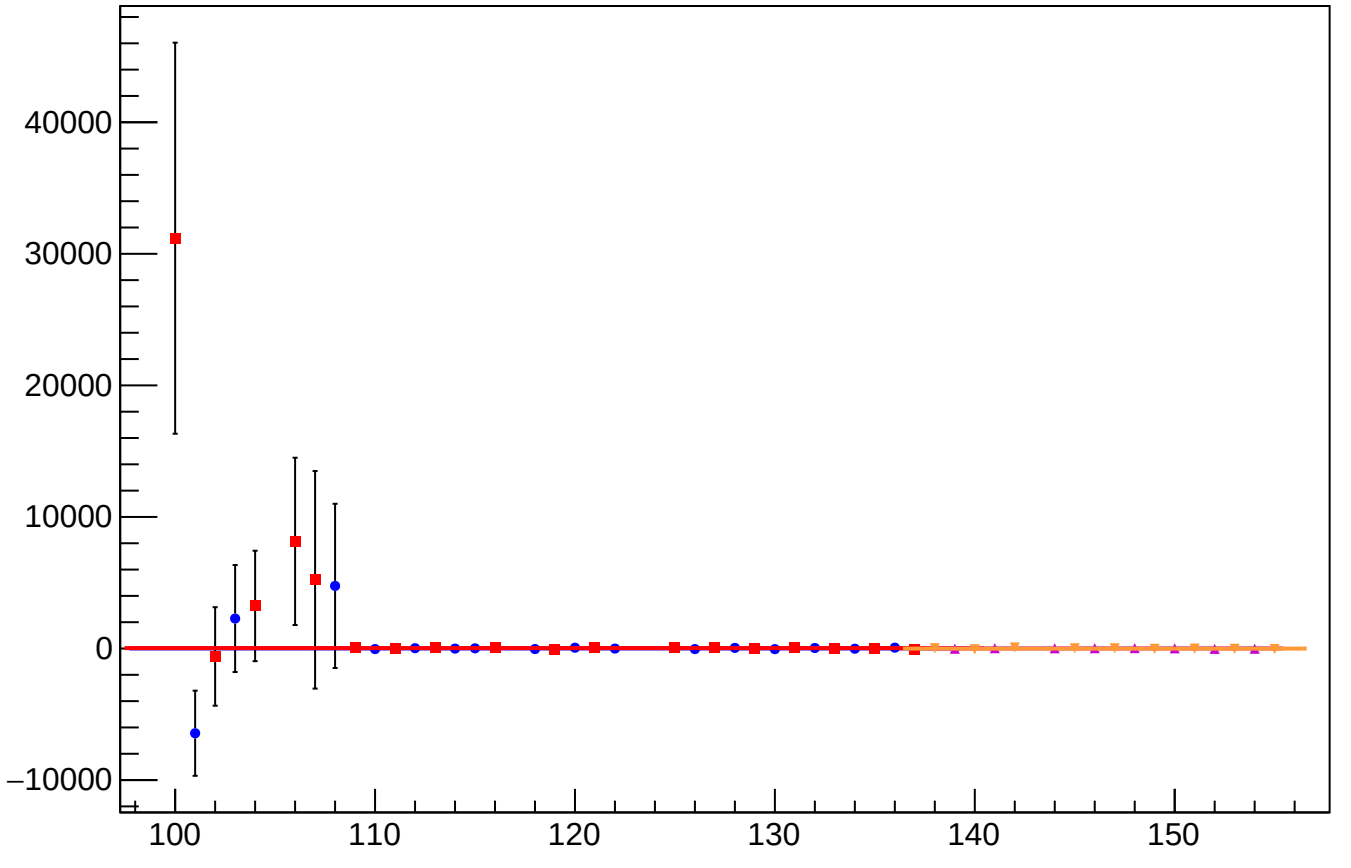
Left: 215.575+/-0.043 χ^2/NDF: 2014330.3/16

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 193.694+/-0.041 χ^2/NDF:4859623.7/23

Out: 199.722+/-0.043 χ^2/NDF:5655297.7/26

All: 196.586+/-0.030 χ^2/NDF: 10525236.0/50



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -5.930+/-11.178 χ^2/NDF:9.5/8

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 7.483+/-11.307 χ^2/NDF:3.3/7

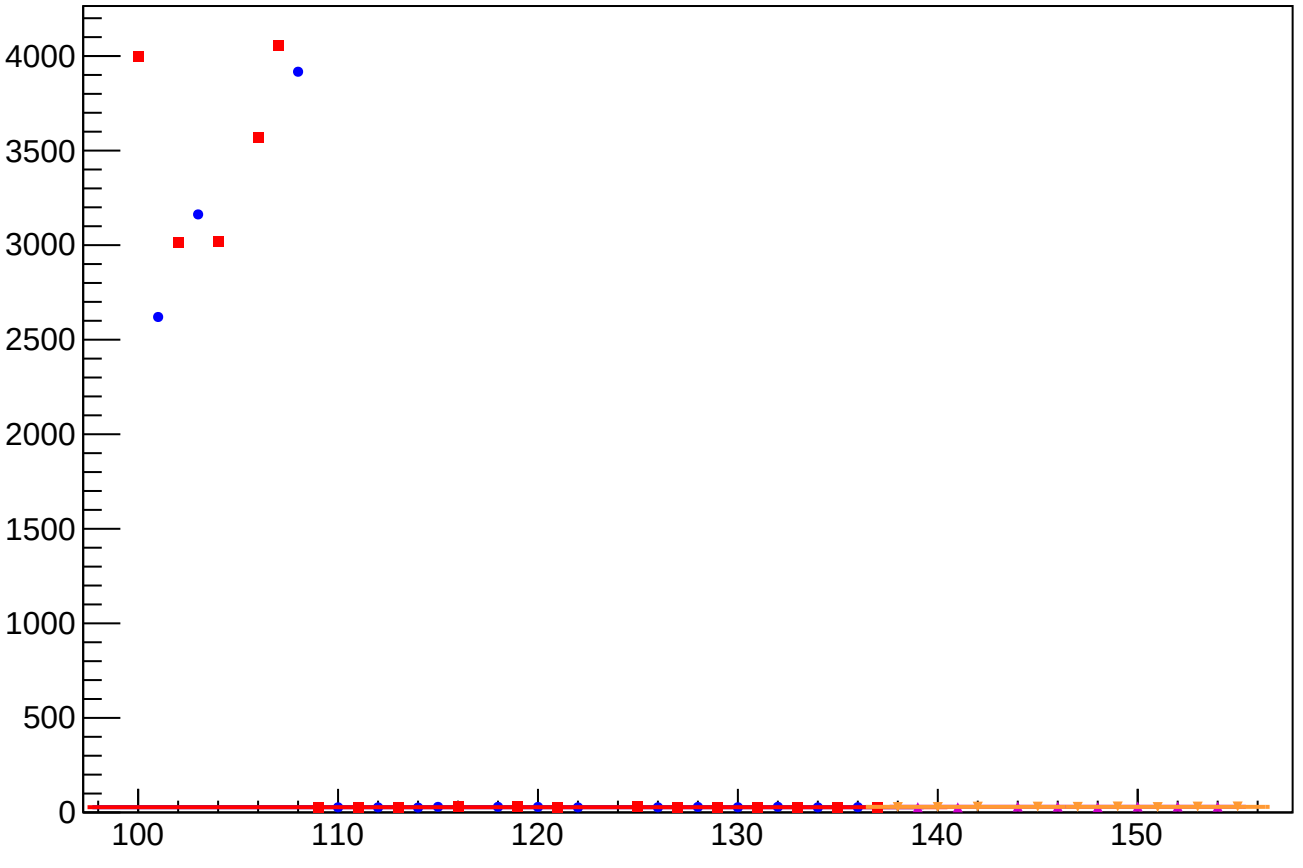
Left: 0.700+/-7.949 χ^2/NDF: 13.5/16

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 7.006+/-8.152 χ^2/NDF:21.6/23

Out: 10.979+/-8.206 χ^2/NDF:34.4/26

All: 8.980+/-5.783 χ^2/NDF: 56.1/50



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.567+/-0.008 χ^2/NDF:24704.9/8

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.825+/-0.008 χ^2/NDF:42678.4/7

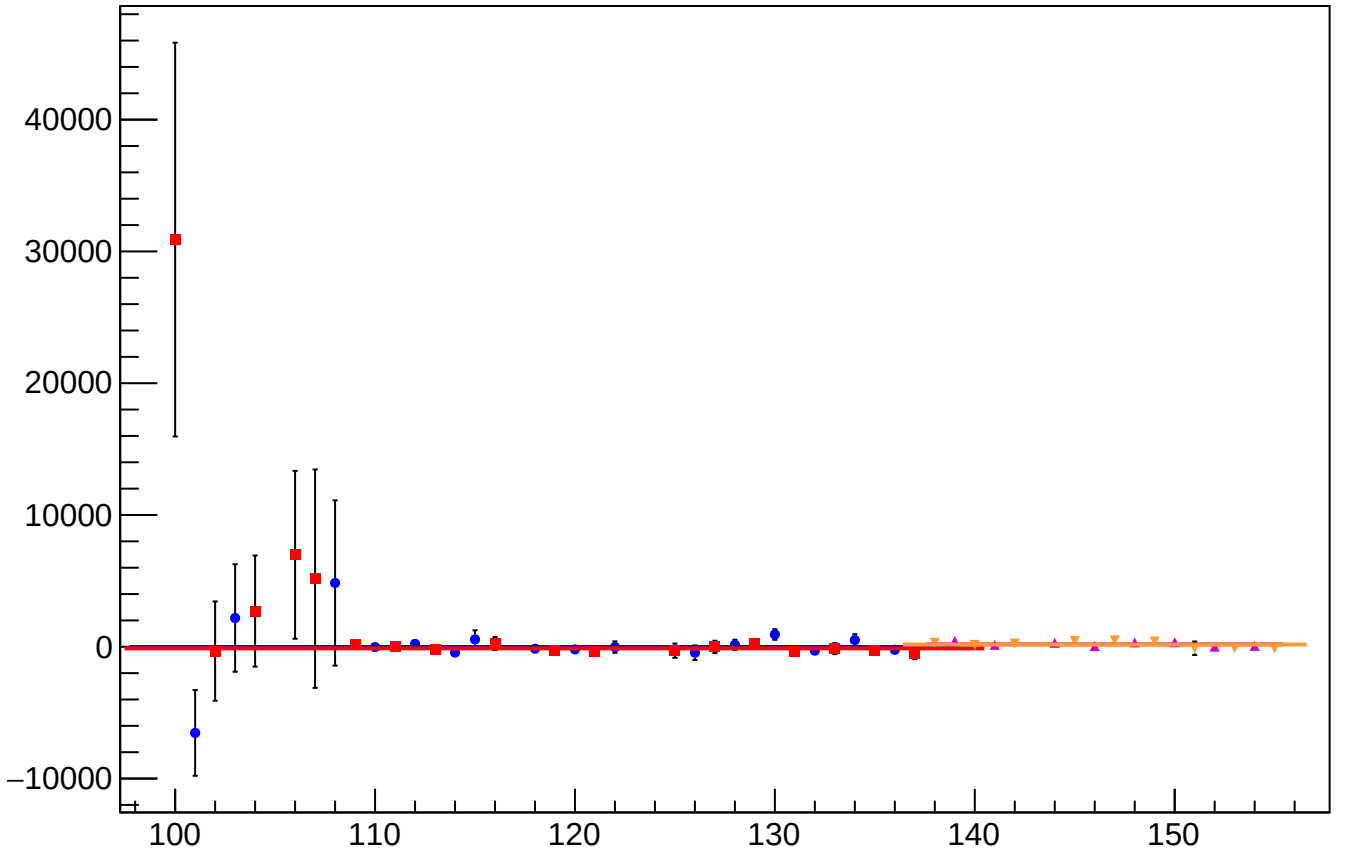
Left: 29.694+/-0.006 χ^2/NDF: 67910.7/16

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.864+/-0.006 χ^2/NDF:3338623.6/23

Out: 28.742+/-0.006 χ^2/NDF:3606713.0/26

All: 28.804+/-0.004 χ^2/NDF: 6945560.8/50



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 171.779+/-96.125 χ^2/NDF:5.2/8

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 184.340+/-80.837 χ^2/NDF:3.5/7

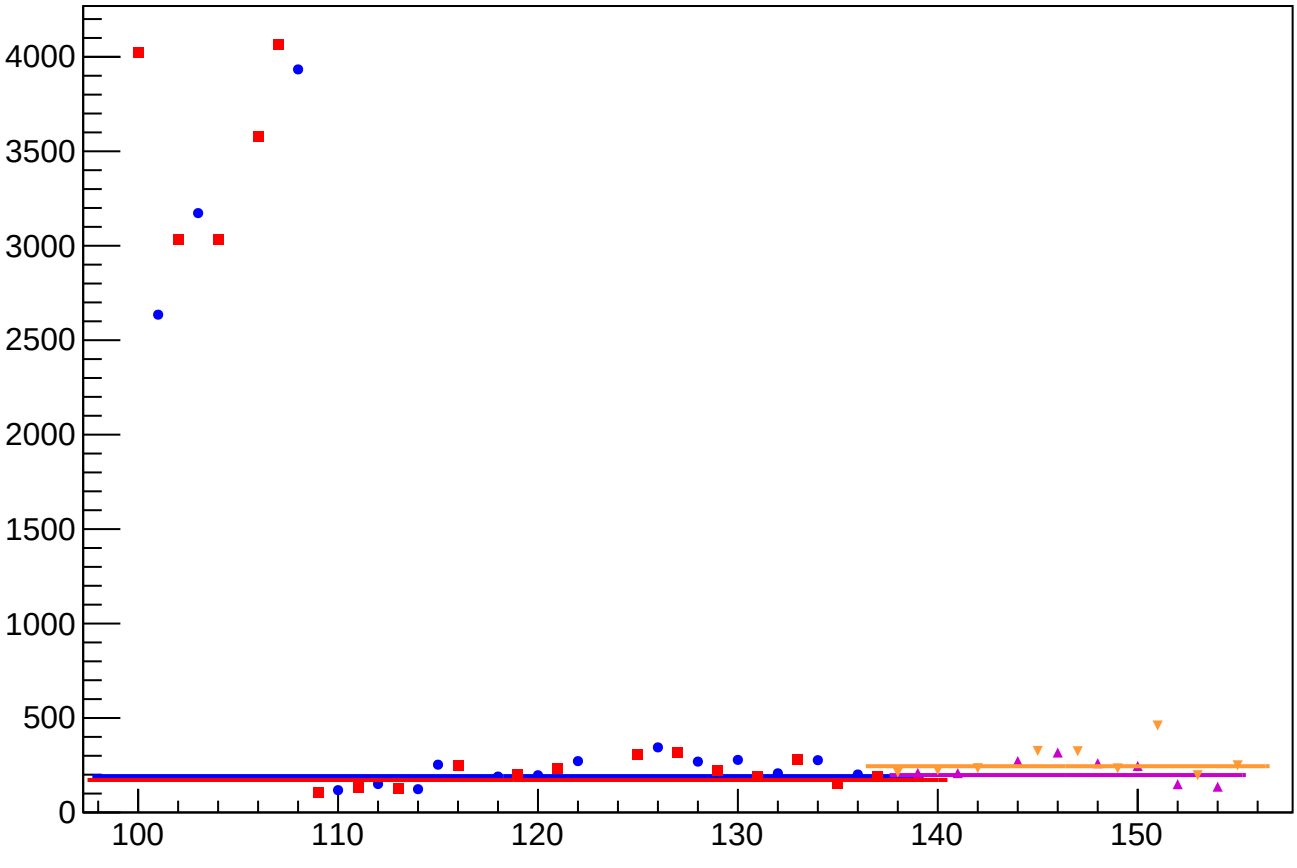
Left: 179.137+/-61.868 χ^2/NDF: 8.7/16

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 87.598+/-58.597 χ^2/NDF:24.7/23

Out: -3.573+/-60.961 χ^2/NDF:24.0/26

All: 43.814+/-42.245 χ^2/NDF: 49.9/50



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 244.804+/-0.068 χ^2/NDF:700253.6/8

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 197.990+/-0.057 χ^2/NDF:993985.4/7

Left: 217.383+/-0.044 χ^2/NDF: 1972103.7/16

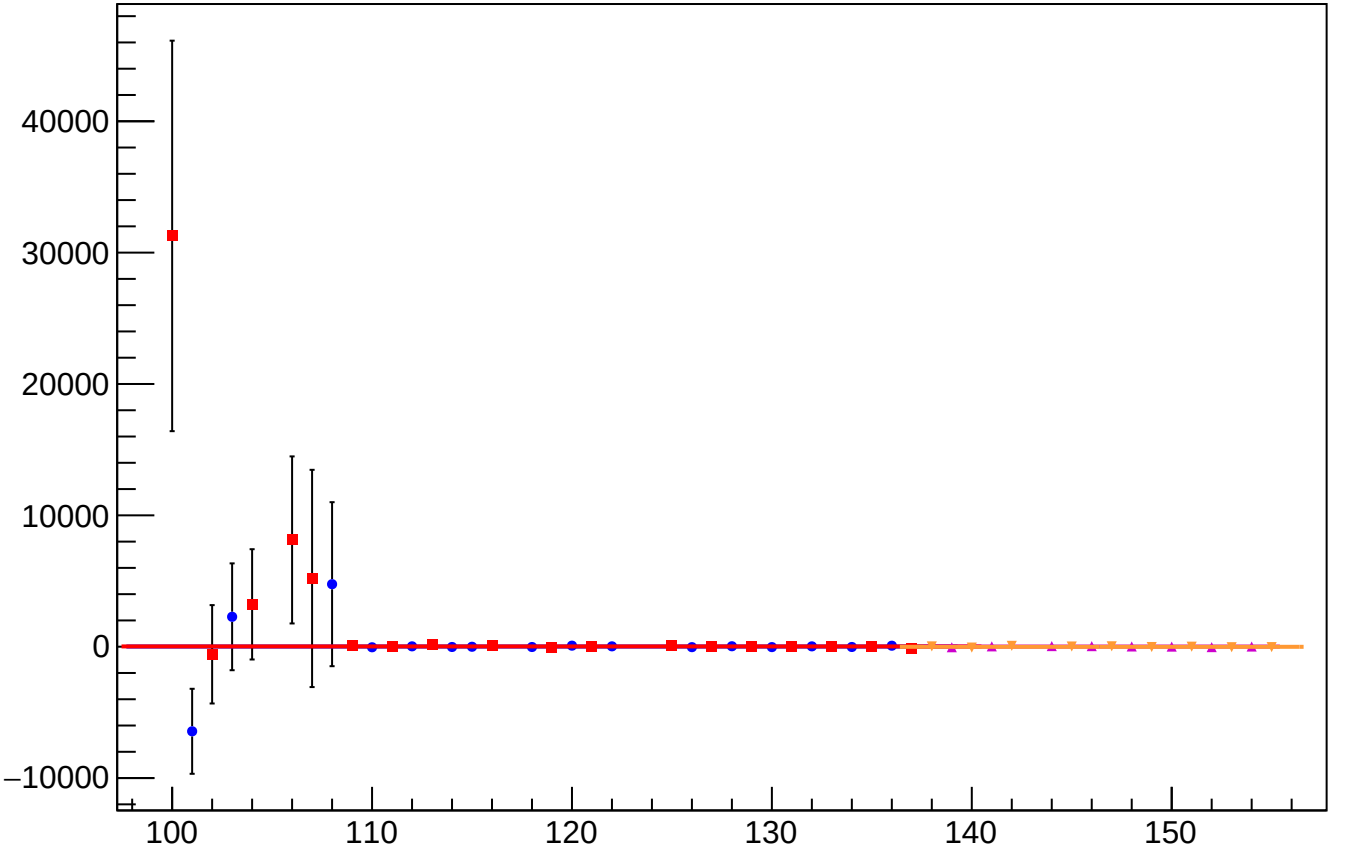
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 195.413+/-0.041 χ^2/NDF:4821056.5/23

Out: 201.220+/-0.043 χ^2/NDF:5635828.5/26

All: 198.202+/-0.030 χ^2/NDF: 10466318.6/50

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: -8.303+/-12.024 χ^2/NDF:9.0/8

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 11.489+/-12.188 χ^2/NDF:5.9/7

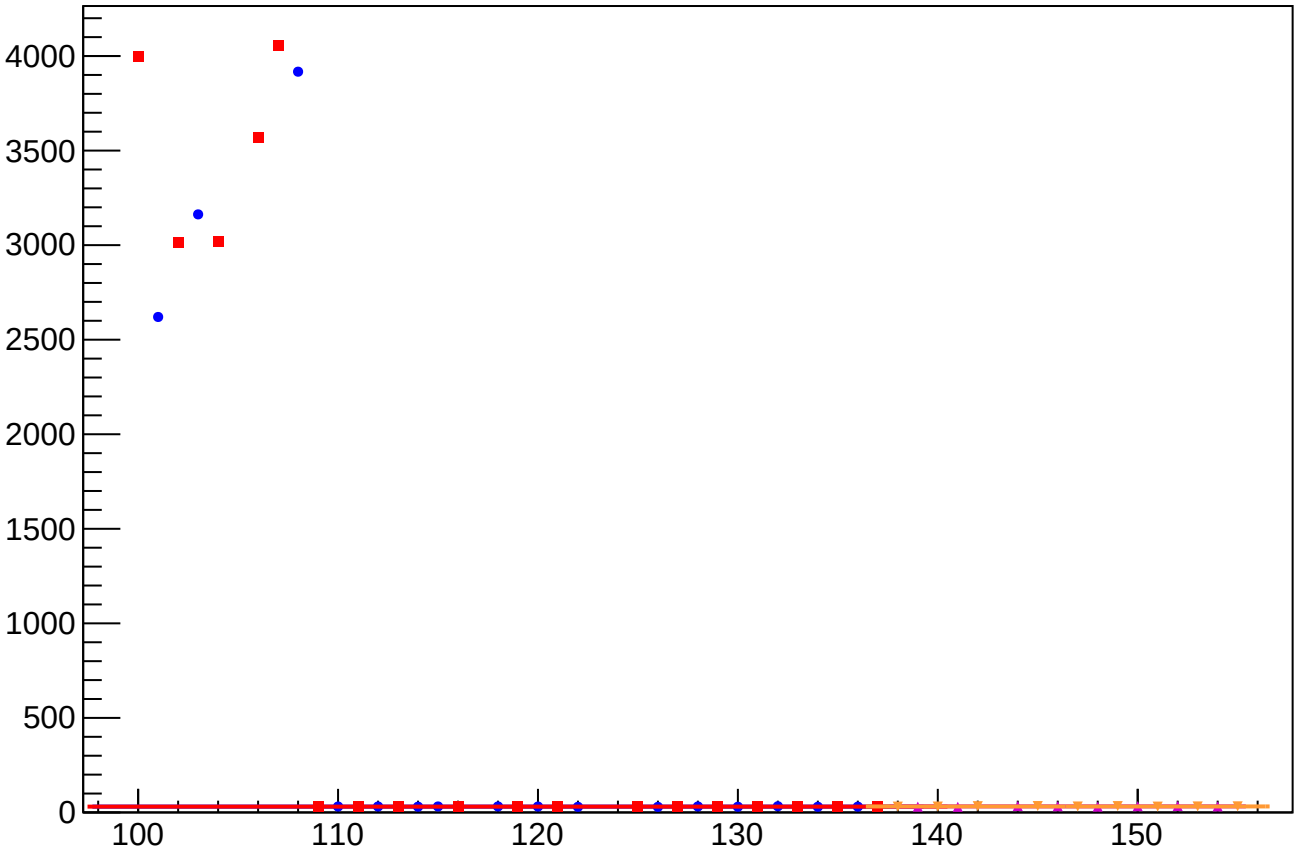
Left: 1.459+/-8.560 χ^2/NDF: 16.1/16

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 12.524+/-8.911 χ^2/NDF:21.3/23

Out: 5.191+/-8.944 χ^2/NDF:40.1/26

All: 8.871+/-6.313 χ^2/NDF: 61.8/50



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.823+/-0.009 χ^2/NDF:15264.1/8

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 32.166+/-0.009 χ^2/NDF:28232.0/7

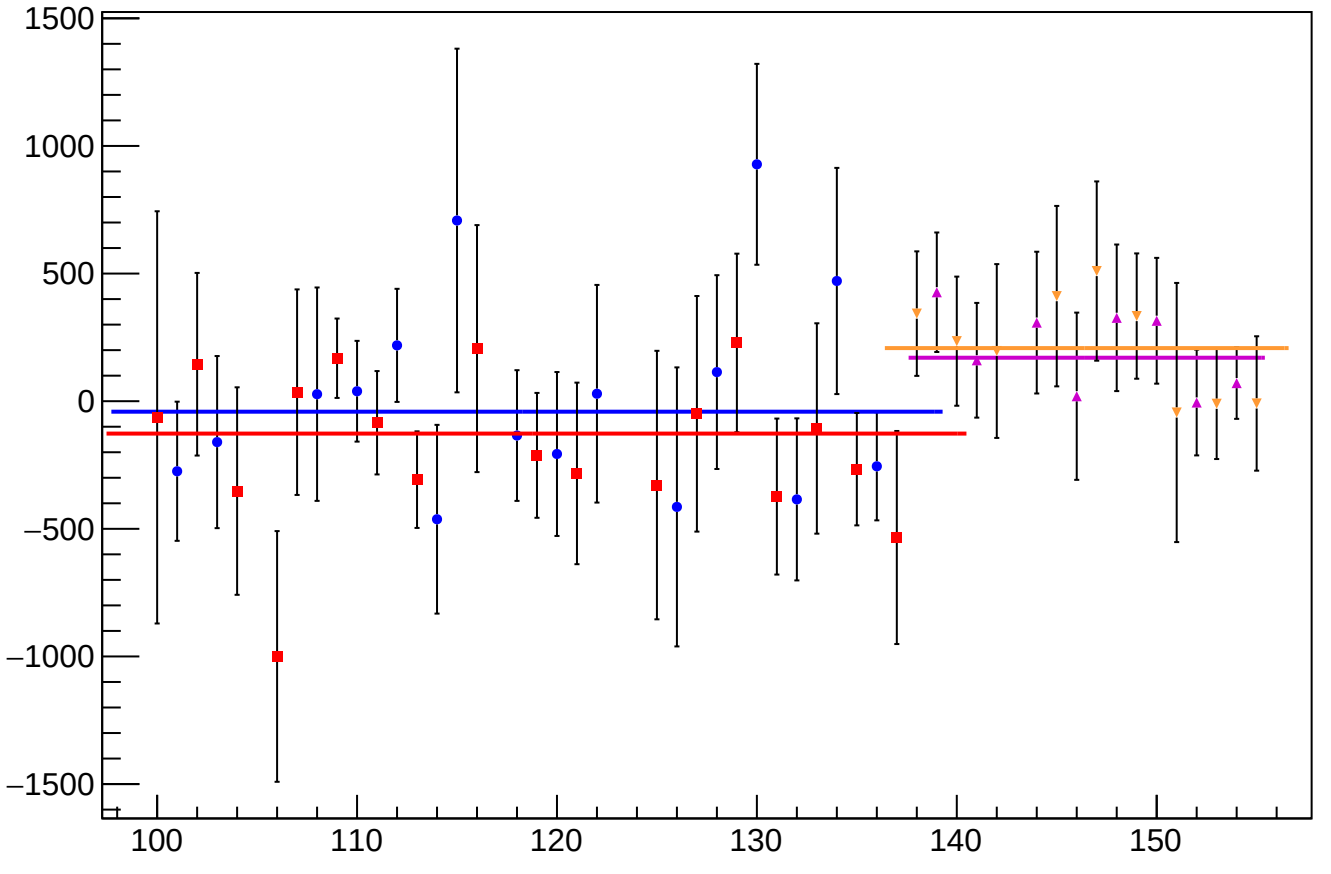
Left: 31.993+/-0.006 χ^2/NDF: 44297.9/16

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.590+/-0.006 χ^2/NDF:3290442.1/23

Out: 31.368+/-0.006 χ^2/NDF:3557644.7/26

All: 31.480+/-0.004 χ^2/NDF: 6848705.1/50



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 208.020+/-93.907 χ^2/NDF:3.6/8

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 170.291+/-78.286 χ^2/NDF:3.5/7

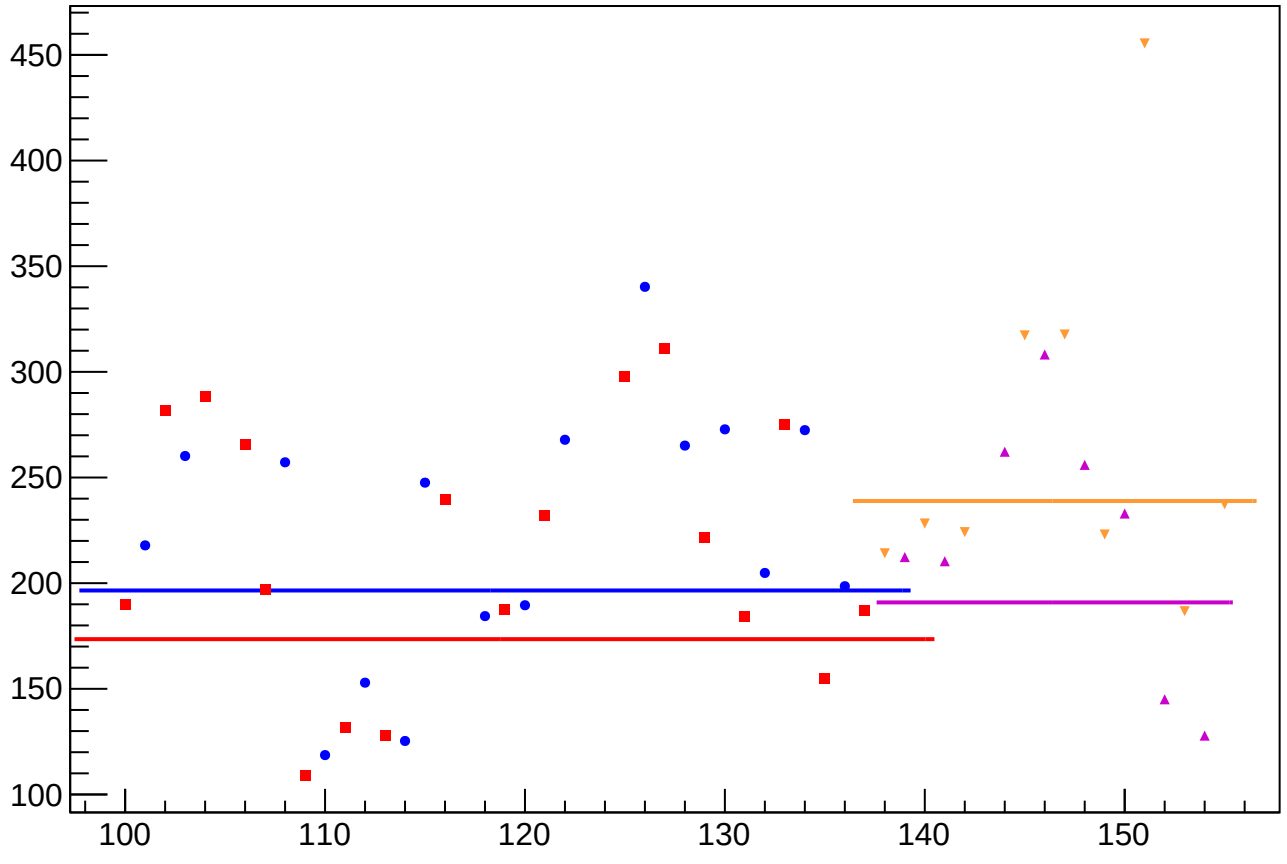
Left: 185.760+/-60.131 χ^2/NDF: 7.2/16

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 63.029+/-54.946 χ^2/NDF:22.8/23

Out: -8.630+/-55.803 χ^2/NDF:24.6/26

All: 27.754+/-39.152 χ^2/NDF: 48.3/50



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 238.886+/-0.066 χ^2/NDF:715136.4/8

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 190.895+/-0.055 χ^2/NDF:1084108.3/7

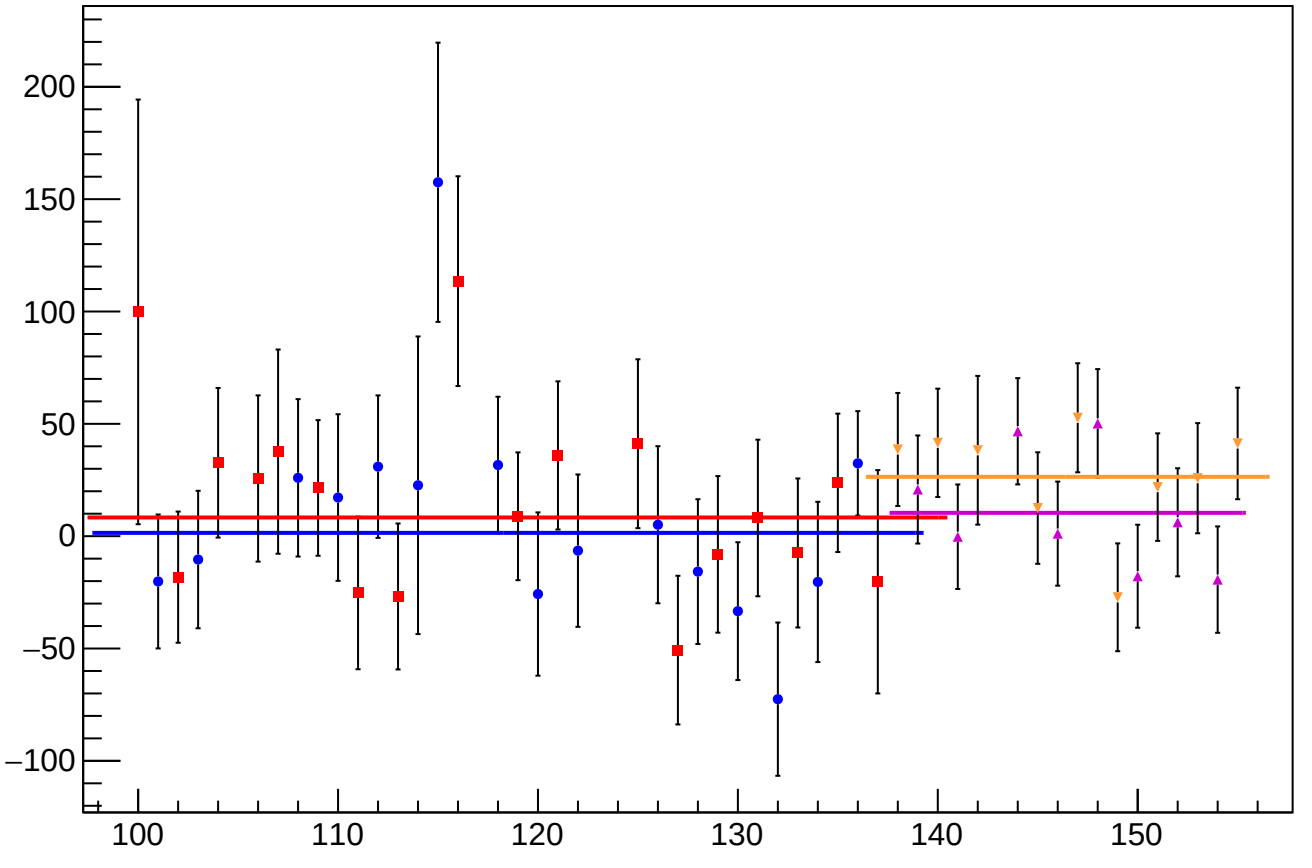
Left: 210.572+/-0.043 χ^2/NDF: 2107425.1/16

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 193.760+/-0.039 χ^2/NDF:2090159.7/23

Out: 196.595+/-0.039 χ^2/NDF:2874915.1/26

All: 195.156+/-0.028 χ^2/NDF: 4967696.2/50



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 26.421+/-8.362 χ^2/NDF:7.6/8

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 10.389+/-8.346 χ^2/NDF:8.7/7

Left: 18.391+/-5.907 χ^2/NDF: 18.2/16

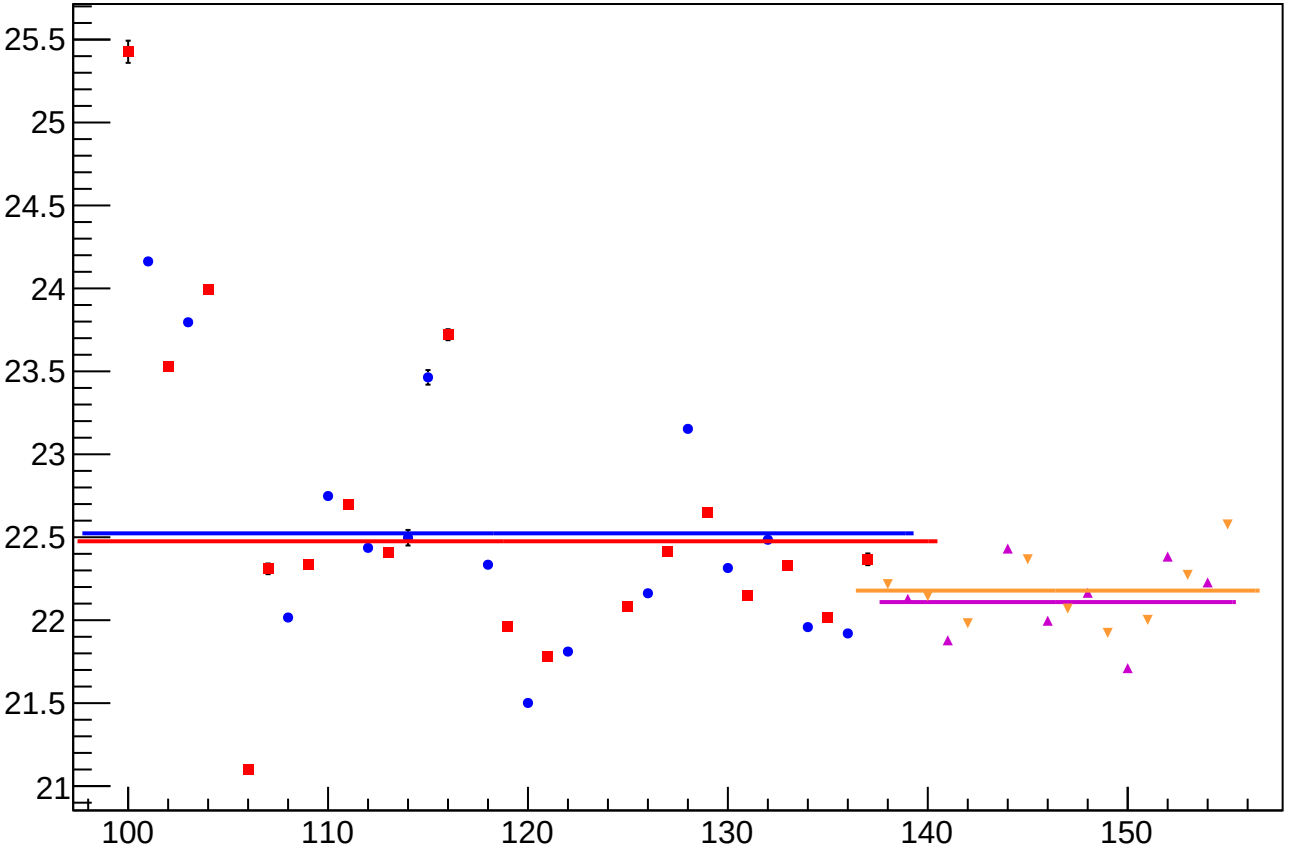
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 5.945+/-5.910 χ^2/NDF:28.0/23

Out: 17.293+/-5.886 χ^2/NDF:26.0/26

All: 11.643+/-4.170 χ^2/NDF: 55.9/50

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: 22.178+/-0.006 χ^2/NDF:1115.2/8

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.109+/-0.006 χ^2/NDF:1541.4/7

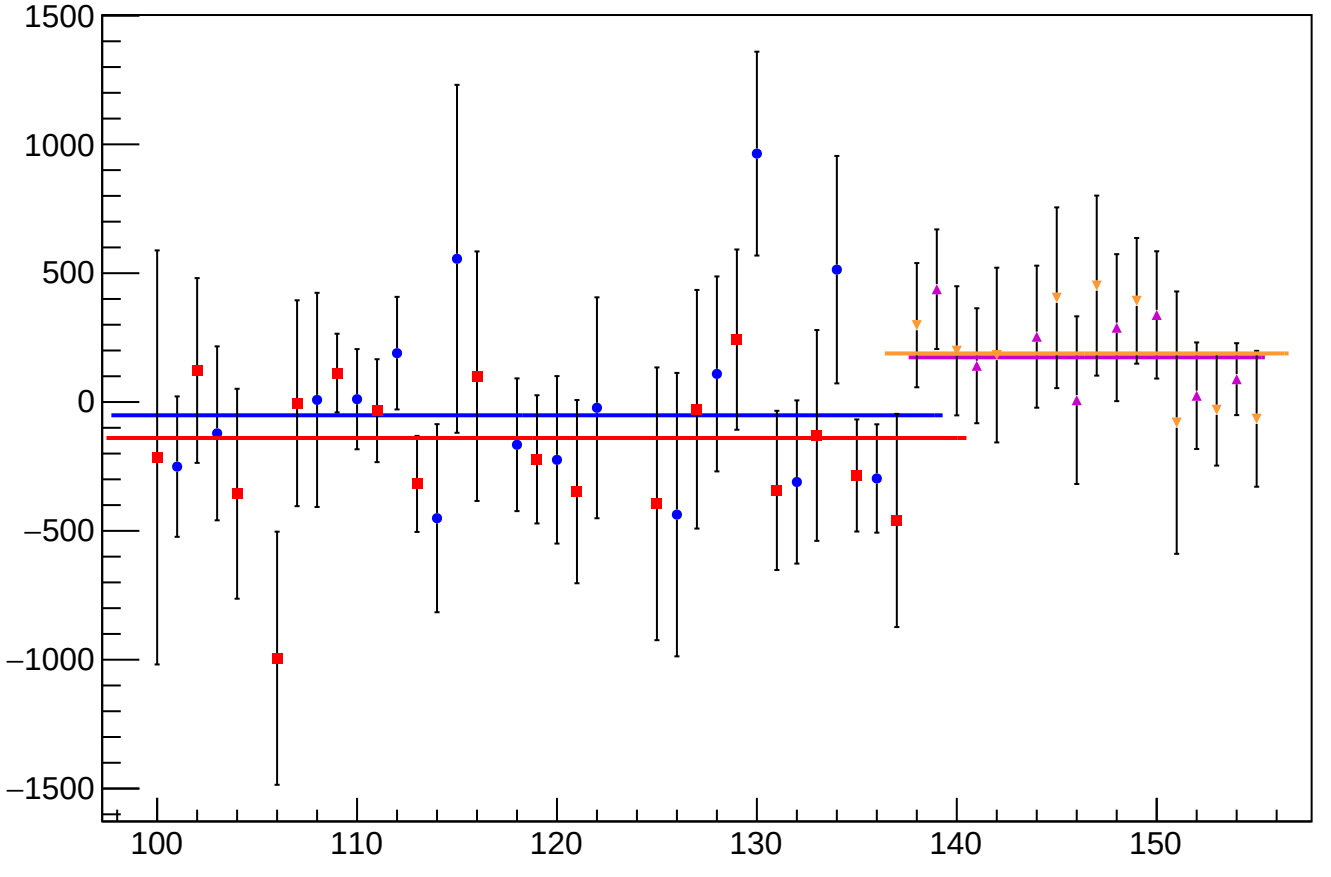
Left: 22.144+/-0.004 χ^2/NDF: 2725.0/16

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.316+/-0.004 χ^2/NDF:19946.8/23

Out: 22.328+/-0.004 χ^2/NDF:17927.8/26

All: 22.322+/-0.003 χ^2/NDF: 37879.1/50



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 188.571+/-93.441 χ^2/NDF:4.1/8

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 173.575+/-77.934 χ^2/NDF:3.2/7

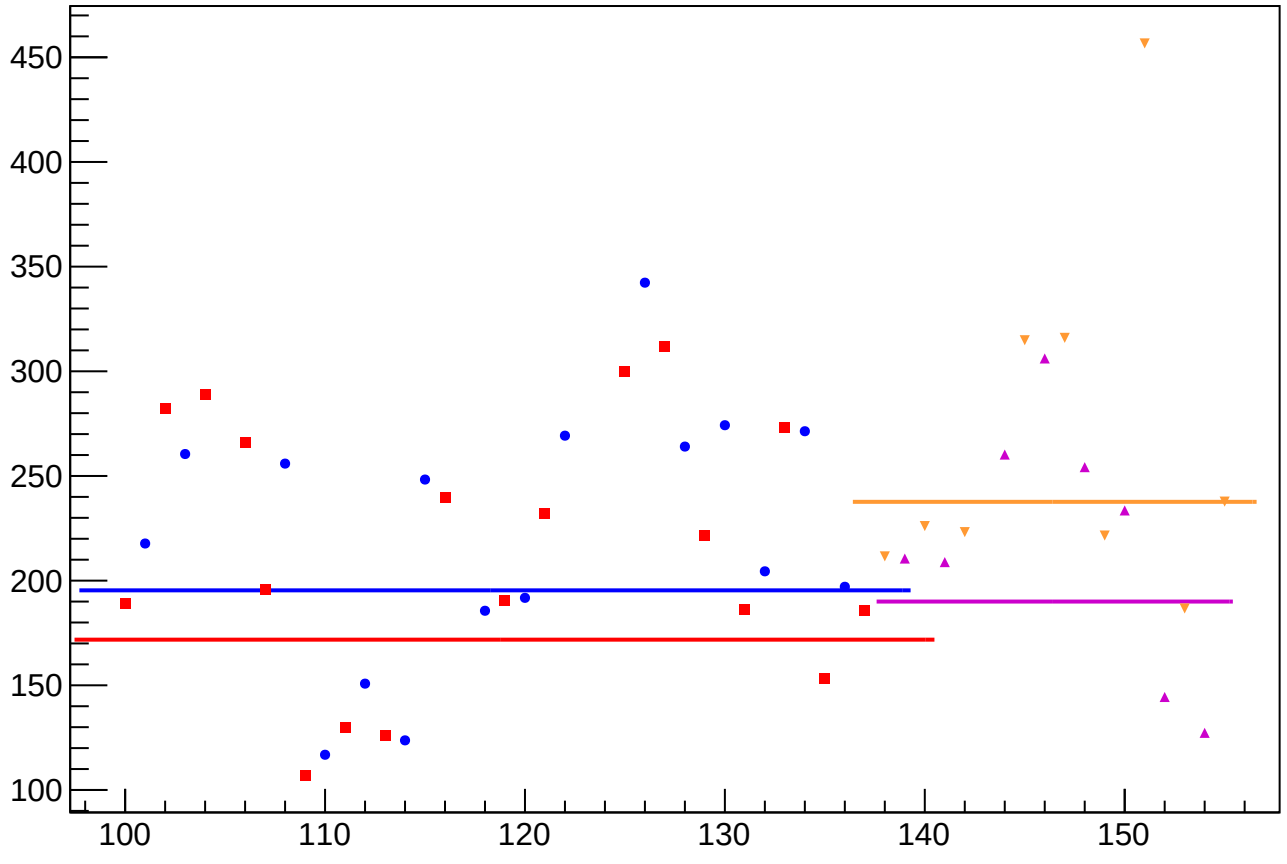
Left: 179.727+/-59.850 χ^2/NDF: 7.3/16

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 59.389+/-54.702 χ^2/NDF:22.7/23

Out: -24.006+/-55.448 χ^2/NDF:23.6/26

All: 18.257+/-38.941 χ^2/NDF: 47.5/50



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 237.646+/-0.066 χ^2/NDF:718106.4/8

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 190.007+/-0.055 χ^2/NDF:1078779.9/7

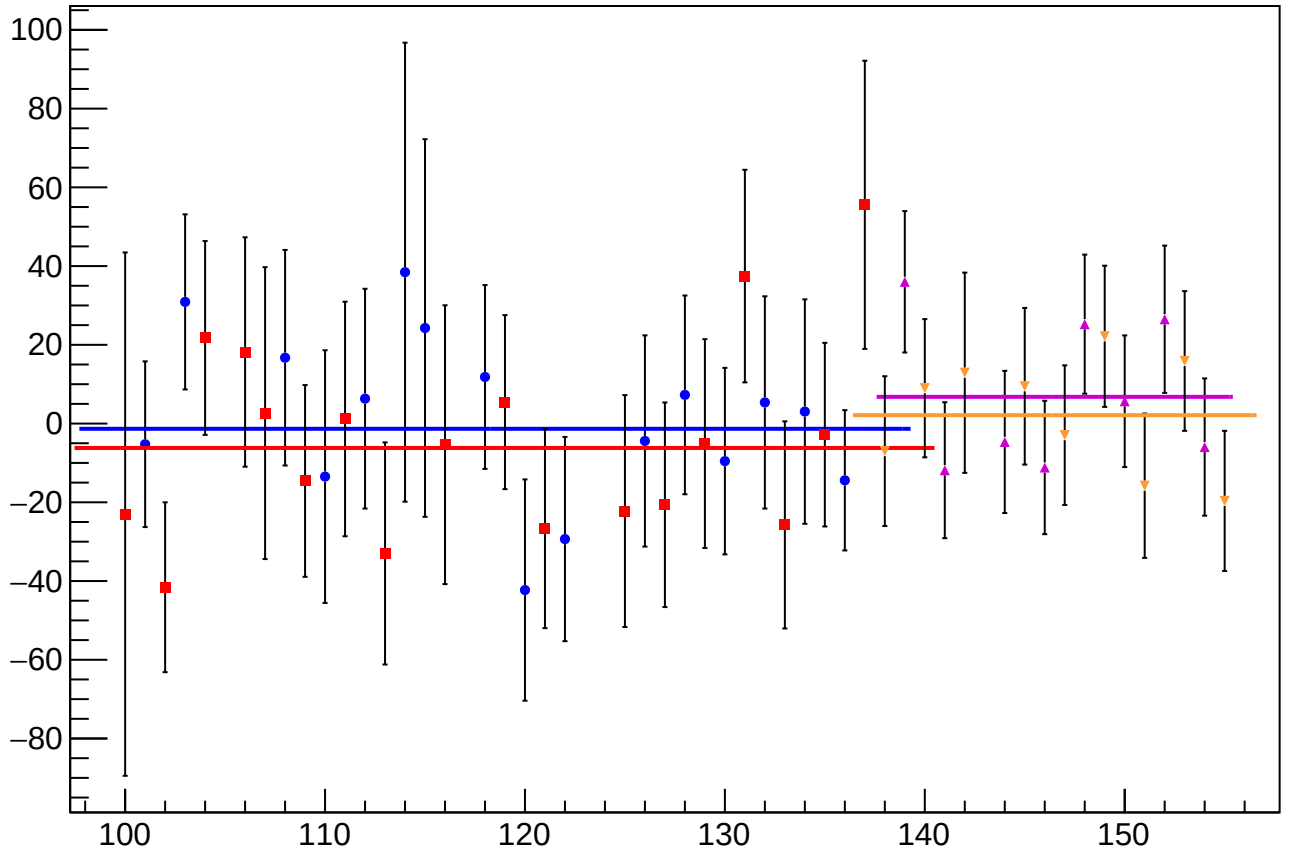
Left: 209.551+/-0.042 χ^2/NDF: 2103462.2/16

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 192.723+/-0.039 χ^2/NDF:2125000.5/23

Out: 194.989+/-0.039 χ^2/NDF:2962094.0/26

All: 193.841+/-0.028 χ^2/NDF: 5088787.4/50



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.130+/-6.240 χ^2/NDF:5.1/8

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 6.789+/-6.210 χ^2/NDF:8.1/7

Left: 4.471+/-4.402 χ^2/NDF: 13.4/16

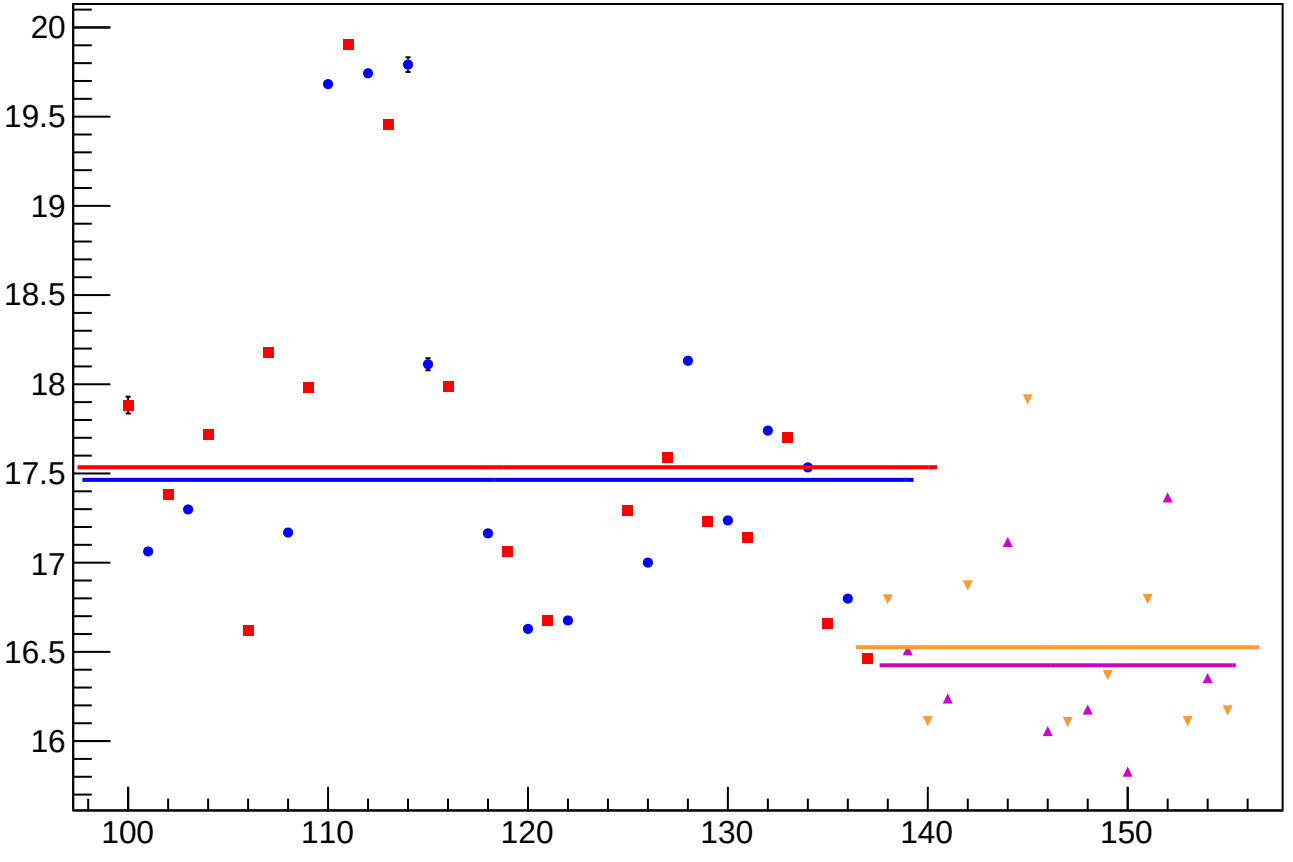
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 2.913+/-4.490 χ^2/NDF:16.9/23

Out: -1.880+/-4.492 χ^2/NDF:19.4/26

All: 0.518+/-3.176 χ^2/NDF: 36.9/50

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: 16.526+/-0.004 χ^2/NDF:15226.0/8

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.425+/-0.004 χ^2/NDF:12185.3/7

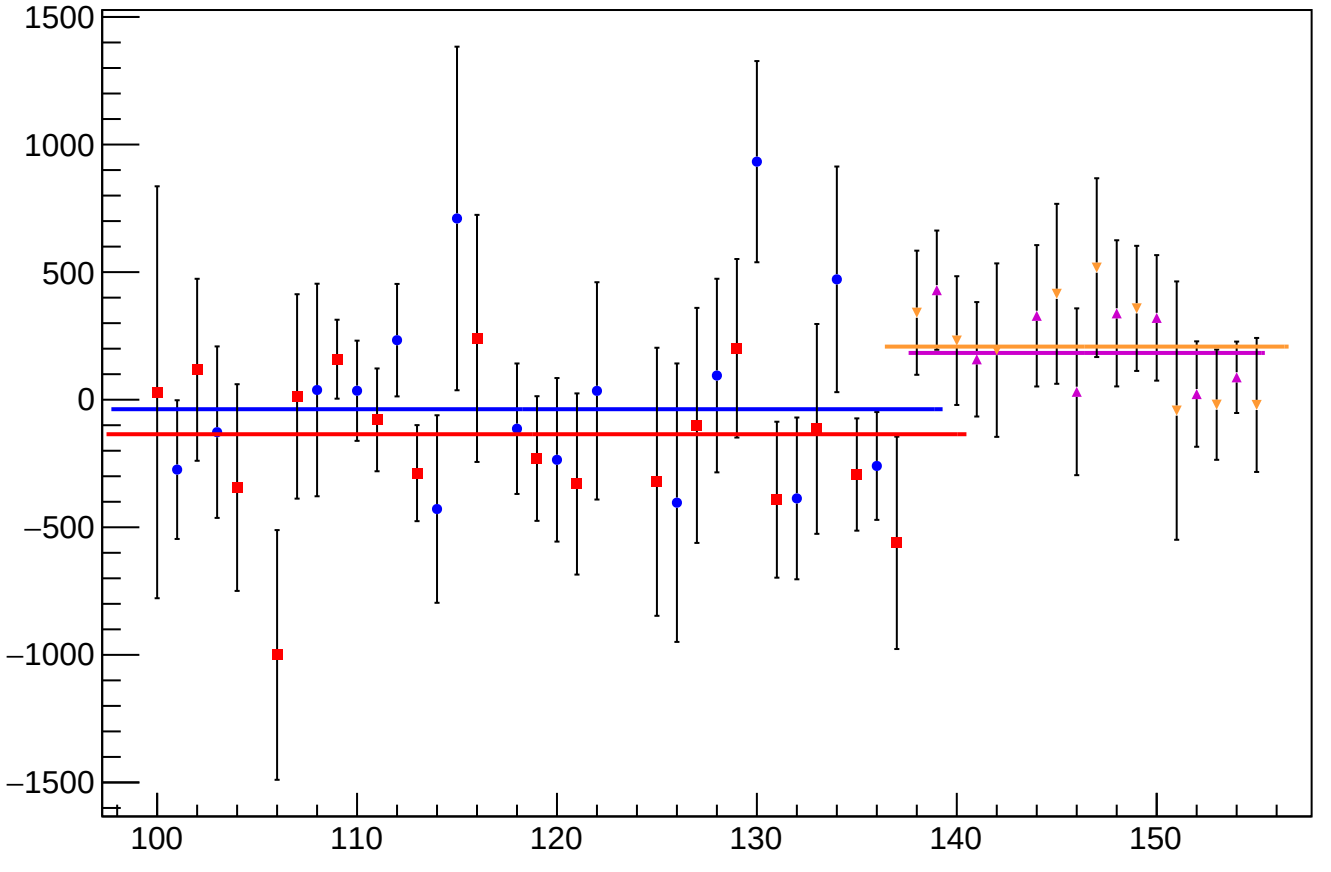
Left: 16.475+/-0.003 χ^2/NDF: 27674.2/16

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.921+/-0.003 χ^2/NDF:75573.7/23

Out: 17.012+/-0.003 χ^2/NDF:74901.3/26

All: 16.966+/-0.002 χ^2/NDF: 150885.8/50



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 208.123+/-93.690 χ^2/NDF:3.9/8

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 183.286+/-78.128 χ^2/NDF:3.3/7

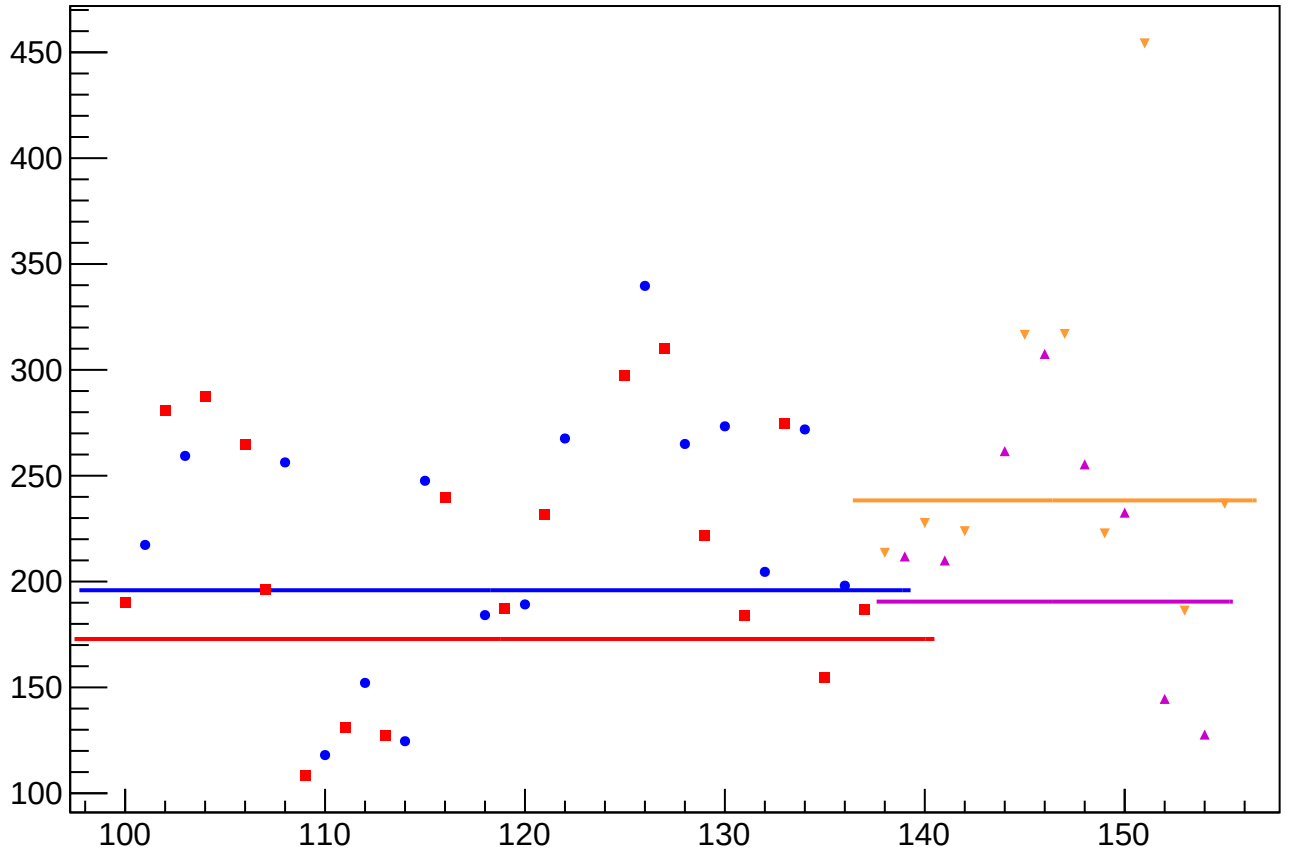
Left: 193.474+/-60.003 χ^2/NDF: 7.3/16

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 71.297+/-54.811 χ^2/NDF:23.0/23

Out: -14.162+/-55.641 χ^2/NDF:25.4/26

All: 29.209+/-39.047 χ^2/NDF: 49.6/50



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 238.334+/-0.066 χ^2/NDF:715029.7/8

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 190.525+/-0.055 χ^2/NDF:1082572.8/7

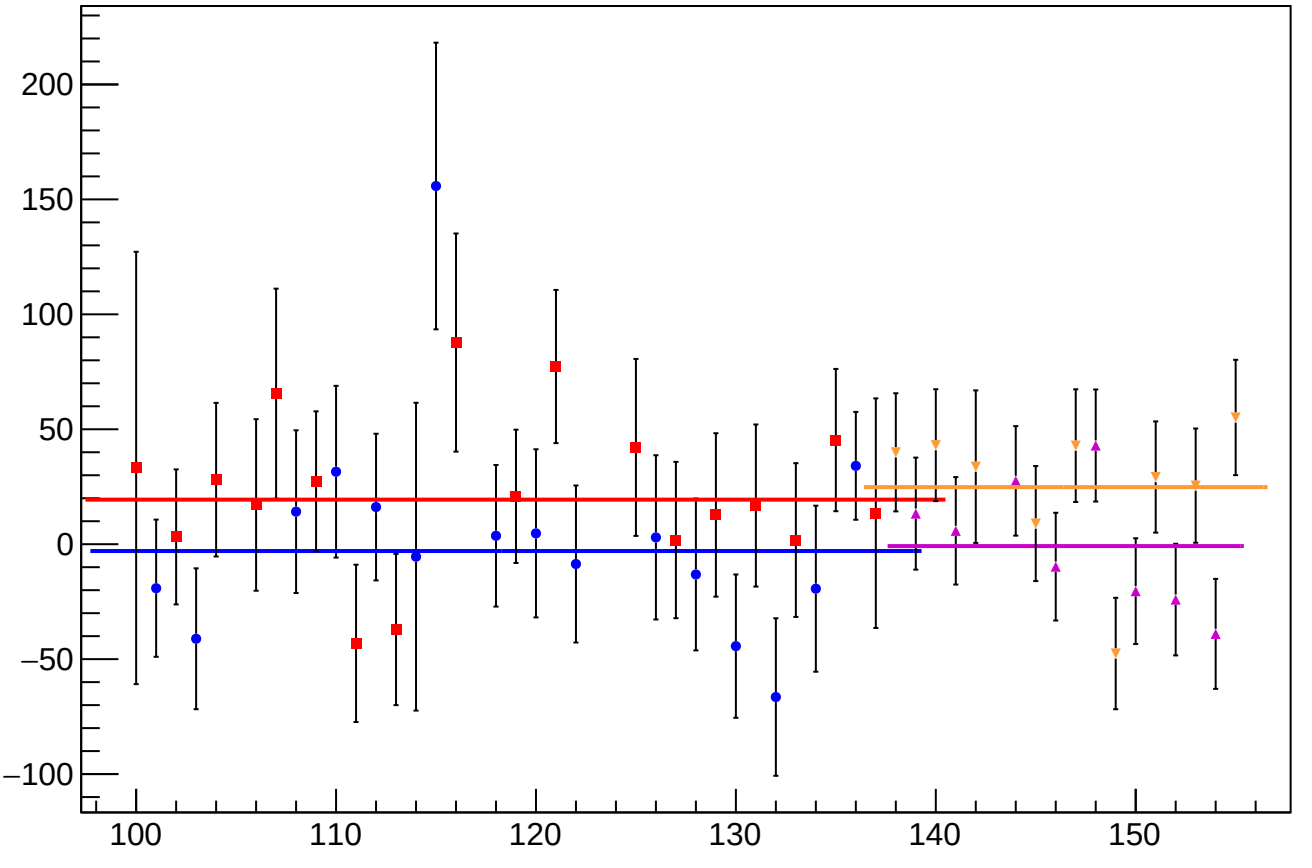
Left: 210.134+/-0.042 χ^2/NDF: 2104783.5/16

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 193.254+/-0.039 χ^2/NDF:2098392.4/23

Out: 195.961+/-0.039 χ^2/NDF:2890282.9/26

All: 194.587+/-0.028 χ^2/NDF: 4991076.9/50



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 24.832+/-8.453 χ^2/NDF:12.3/8

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: -0.814+/-8.417 χ^2/NDF:9.4/7

Left: 11.954+/-5.965 χ^2/NDF: 26.4/16

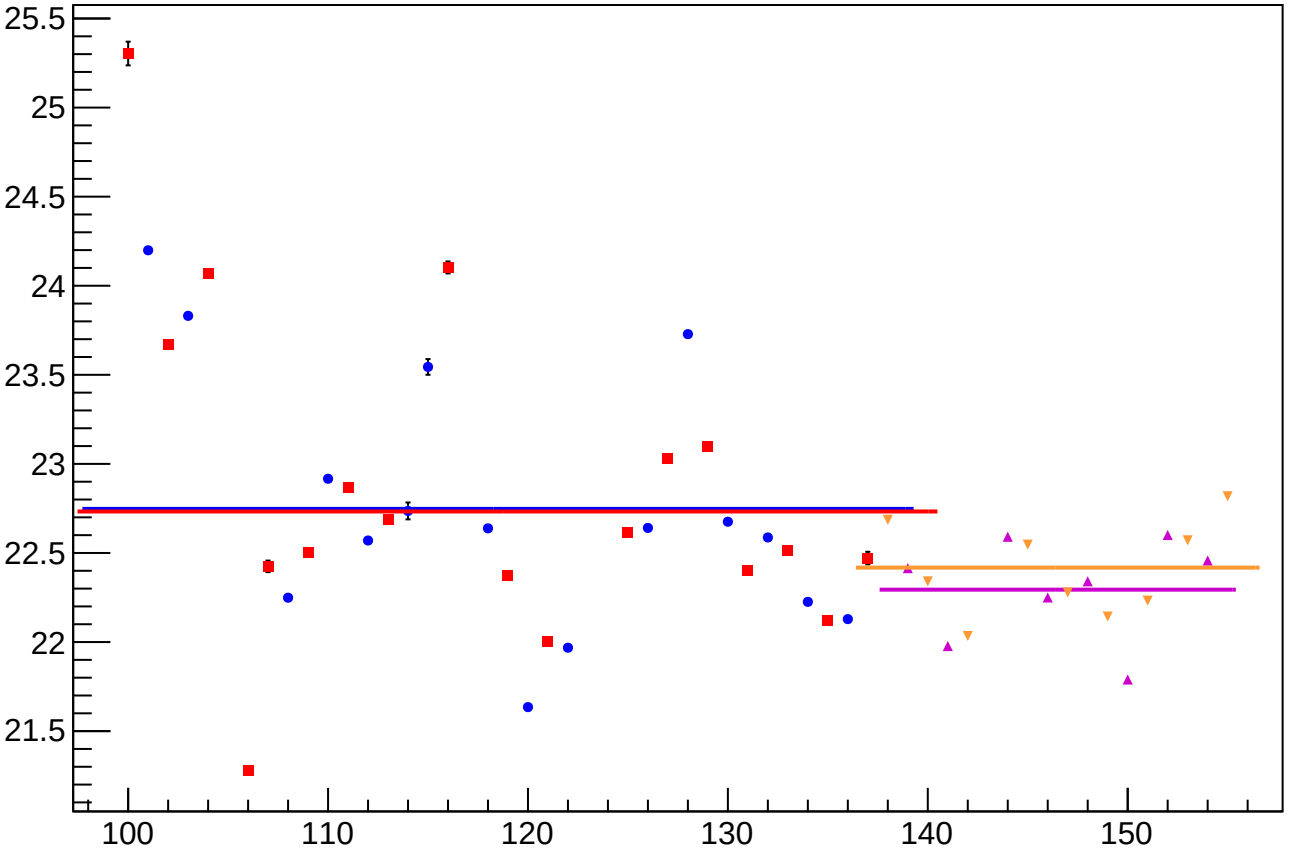
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: -1.886+/-5.965 χ^2/NDF:27.4/23

Out: 22.087+/-5.952 χ^2/NDF:27.1/26

All: 10.126+/-4.213 χ^2/NDF: 62.5/50

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: 22.418+/-0.006 χ^2/NDF:1584.4/8

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.294+/-0.006 χ^2/NDF:2116.1/7

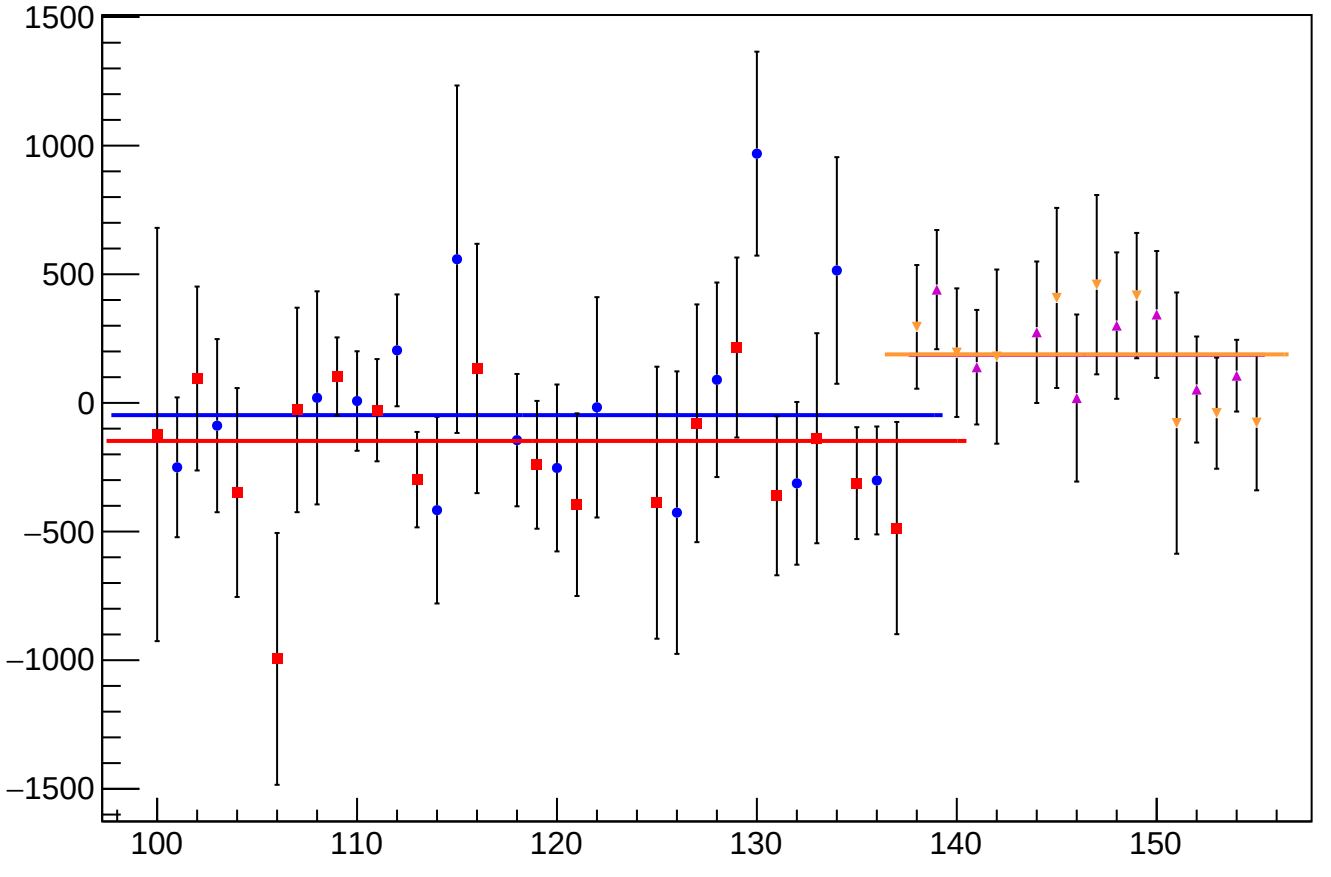
Left: 22.356+/-0.004 χ^2/NDF: 3915.8/16

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.520+/-0.004 χ^2/NDF:19628.1/23

Out: 22.577+/-0.004 χ^2/NDF:17375.3/26

All: 22.548+/-0.003 χ^2/NDF: 37094.8/50



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 188.545+/-93.224 χ^2/NDF:4.5/8

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 186.651+/-77.776 χ^2/NDF:2.9/7

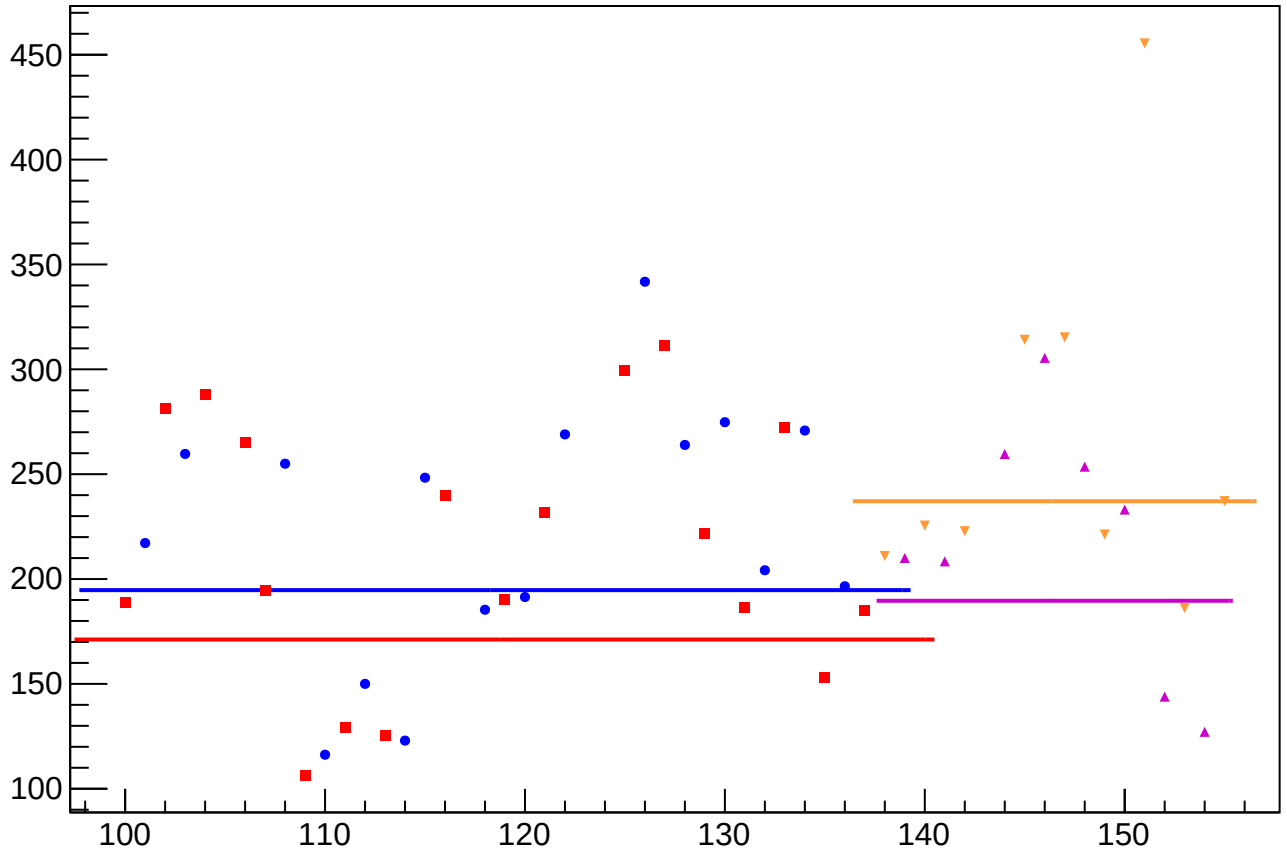
Left: 187.428+/-59.721 χ^2/NDF: 7.4/16

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 67.737+/-54.565 χ^2/NDF:22.9/23

Out: -29.524+/-55.284 χ^2/NDF:24.5/26

All: 19.743+/-38.835 χ^2/NDF: 49.0/50



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 237.094+/-0.066 χ^2/NDF:717970.4/8

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 189.635+/-0.055 χ^2/NDF:1077227.2/7

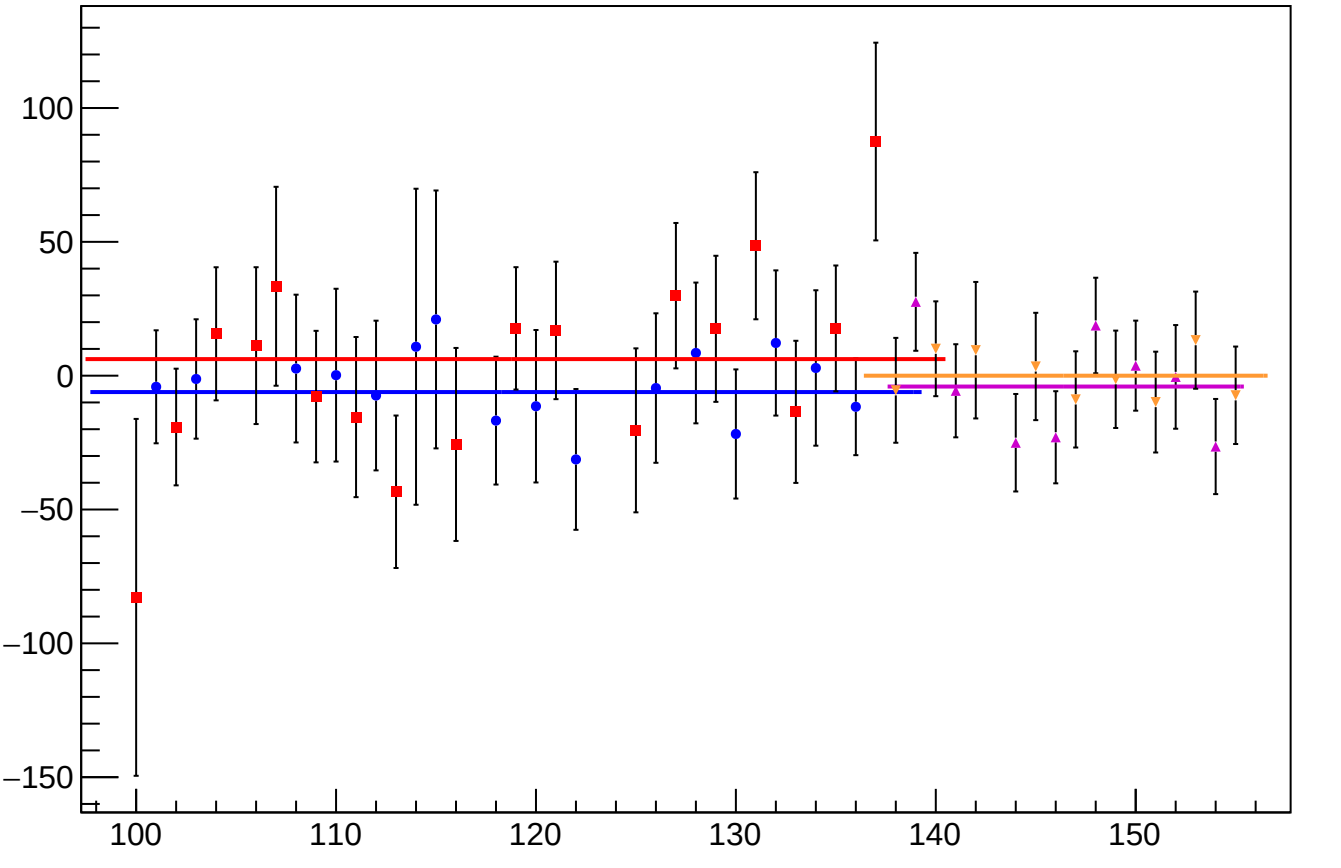
Left: 209.111+/-0.042 χ^2/NDF: 2100816.7/16

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 192.211+/-0.039 χ^2/NDF:2133837.3/23

Out: 194.345+/-0.039 χ^2/NDF:2978591.2/26

All: 193.264+/-0.027 χ^2/NDF: 5113938.0/50



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: -0.005+/-6.349 χ^2/NDF:1.8/8

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: -4.059+/-6.301 χ^2/NDF:9.0/7

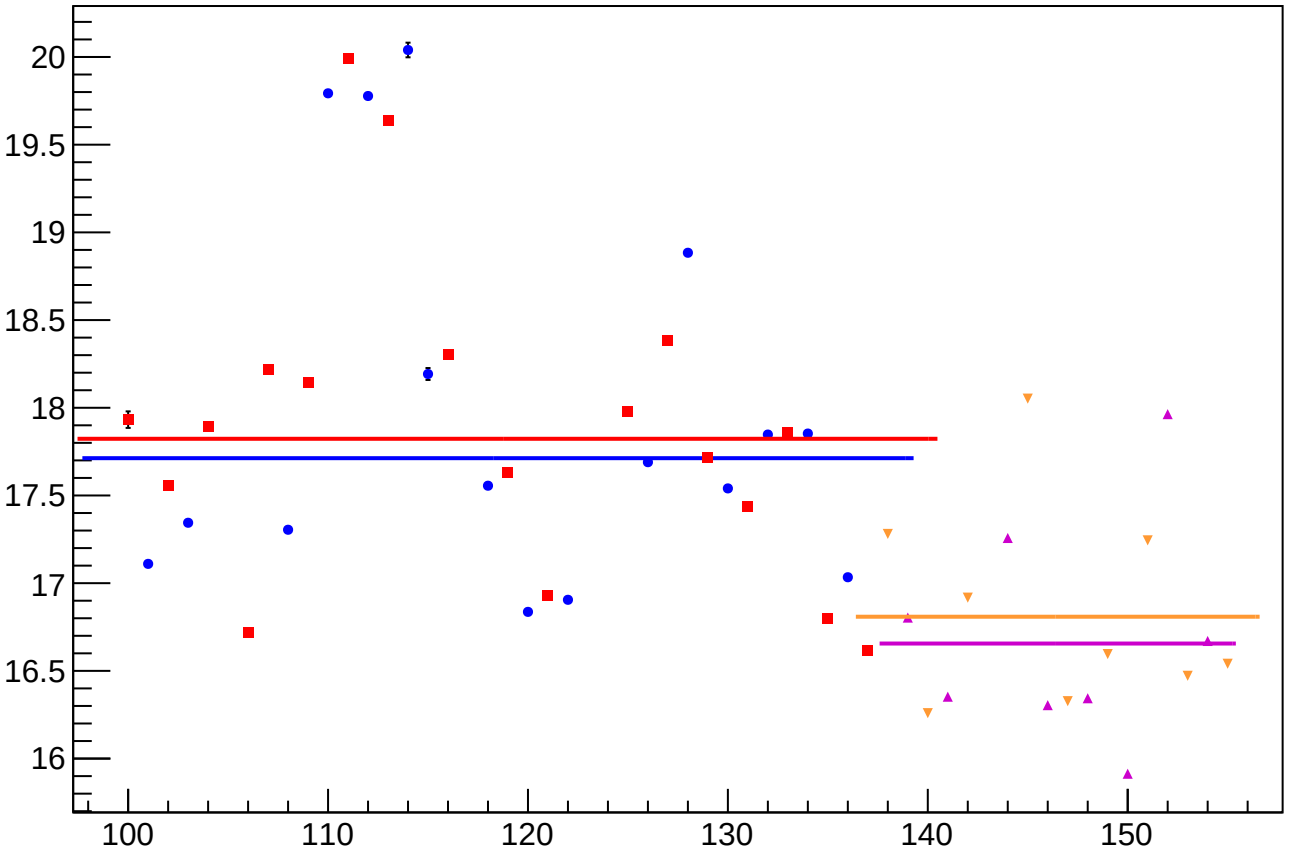
Left: -2.047+/-4.472 χ^2/NDF: 11.0/16

Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -5.042+/-4.555 χ^2/NDF:12.2/23

Out: 2.984+/-4.569 χ^2/NDF:20.9/26

All: -1.042+/-3.226 χ^2/NDF: 34.6/50



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.809+/-0.004 χ^2/NDF:14718.5/8

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.656+/-0.004 χ^2/NDF:17383.6/7

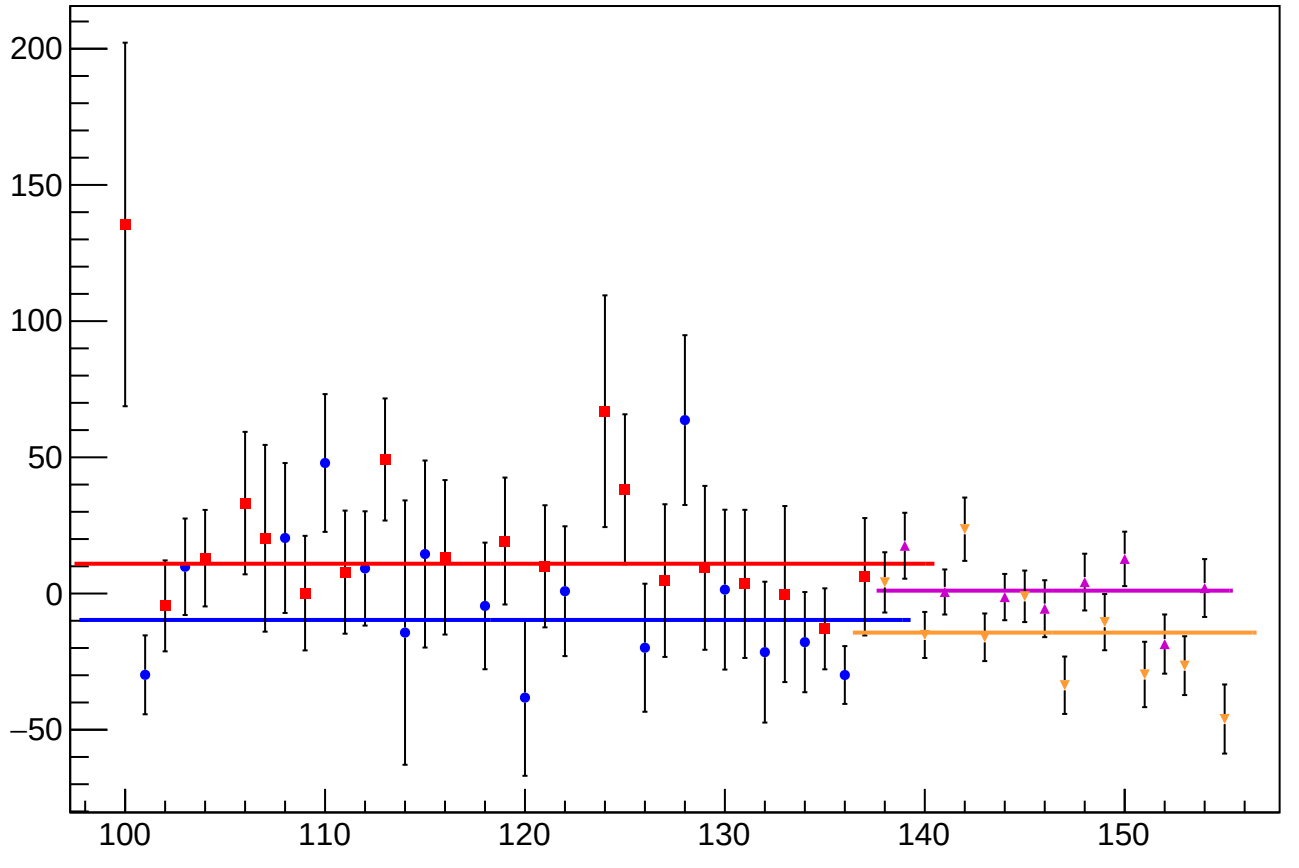
Left: 16.732+/-0.003 χ^2/NDF: 32686.4/16

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.160+/-0.003 χ^2/NDF:80227.7/23

Out: 17.298+/-0.003 χ^2/NDF:71837.0/26

All: 17.229+/-0.002 χ^2/NDF: 152972.9/50



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -14.347+/-3.262 χ^2/NDF:28.1/9

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 1.058+/-3.513 χ^2/NDF:7.1/7

Left: -7.215+/-2.391 χ^2/NDF: 45.5/17

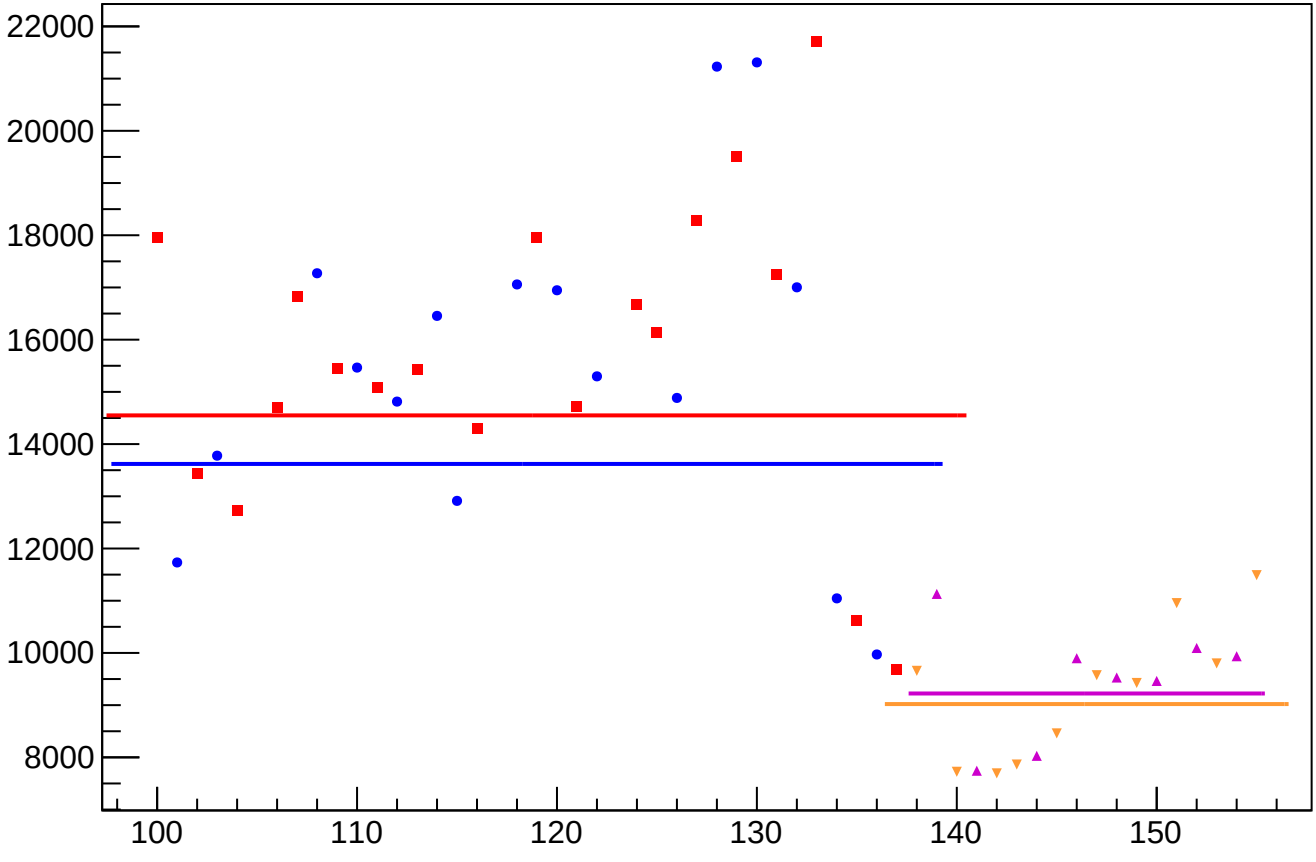
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -2.287+/-2.917 χ^2/NDF:32.0/23

Out: -7.652+/-2.797 χ^2/NDF:58.1/28

All: -5.082+/-2.019 χ^2/NDF: 91.8/52

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 9020.696+/-2.307 χ^2/NDF:268482.2/9

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 9223.252+/-2.484 χ^2/NDF:186290.9/7

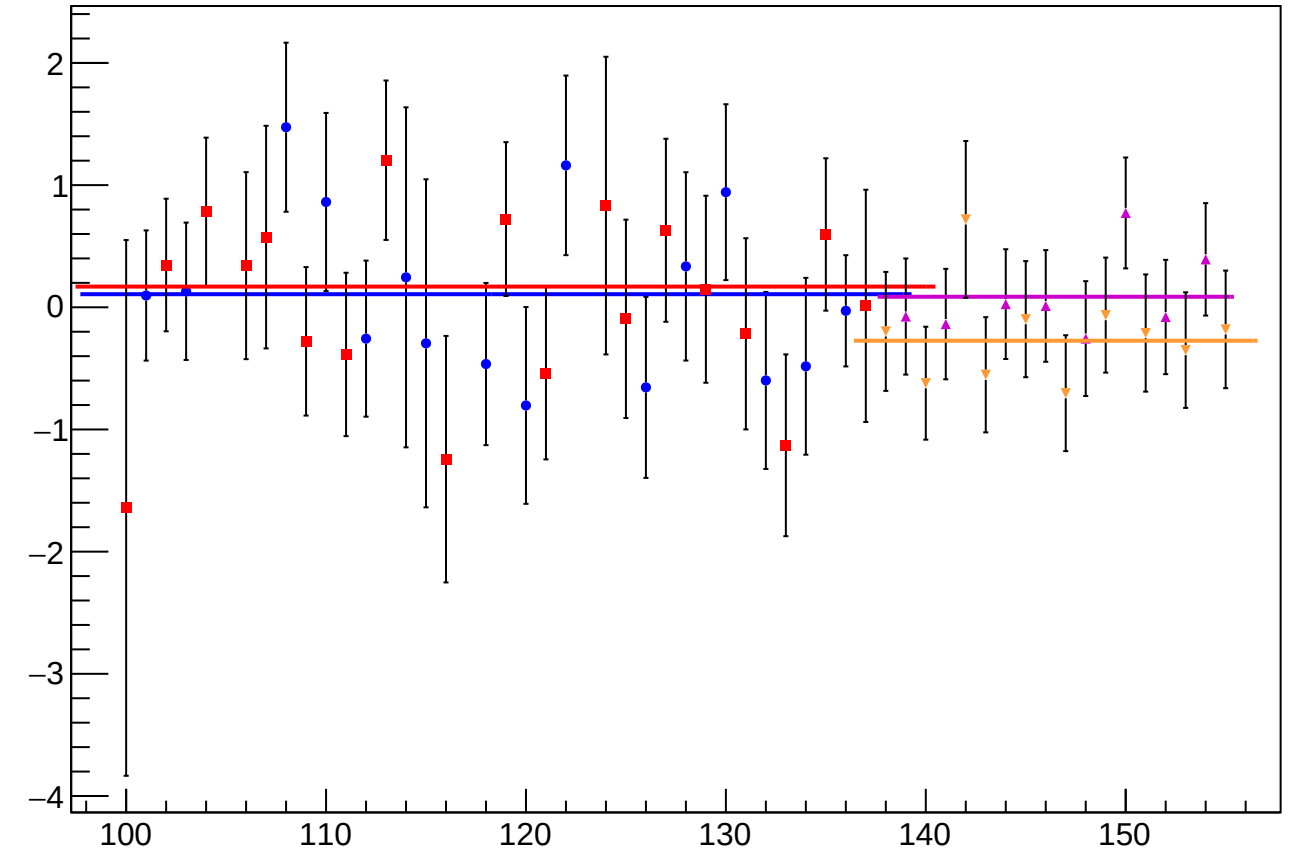
Left: 9114.473+/-1.690 χ^2/NDF: 458343.1/17

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 10589.905+/-2.062 χ^2/NDF:1906797.0/23

Out: 10484.534+/-1.978 χ^2/NDF:2345482.2/28

All: 10535.017+/-1.428 χ^2/NDF: 4253638.9/5



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.274+/-0.154 χ^2/NDF:4.6/9

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.086+/-0.163 χ^2/NDF:3.8/7

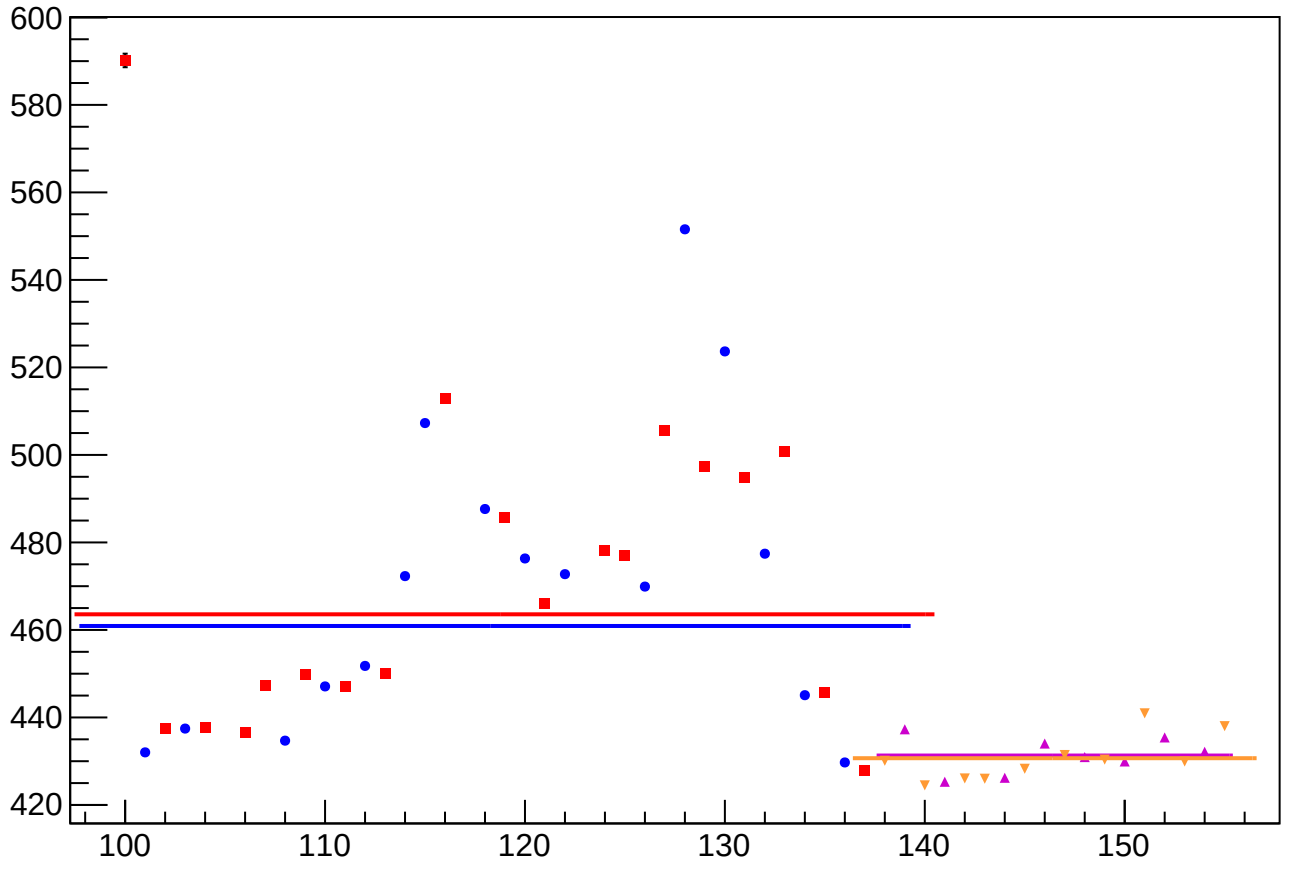
Left: -0.104+/-0.112 χ^2/NDF: 10.9/17

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.096+/-0.118 χ^2/NDF:17.5/23

Out: -0.074+/-0.114 χ^2/NDF:22.4/28

All: 0.008+/-0.082 χ^2/NDF: 41.0/52



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.686+/-0.109 χ^2/NDF:2104.1/9

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 431.297+/-0.115 χ^2/NDF:1179.9/7

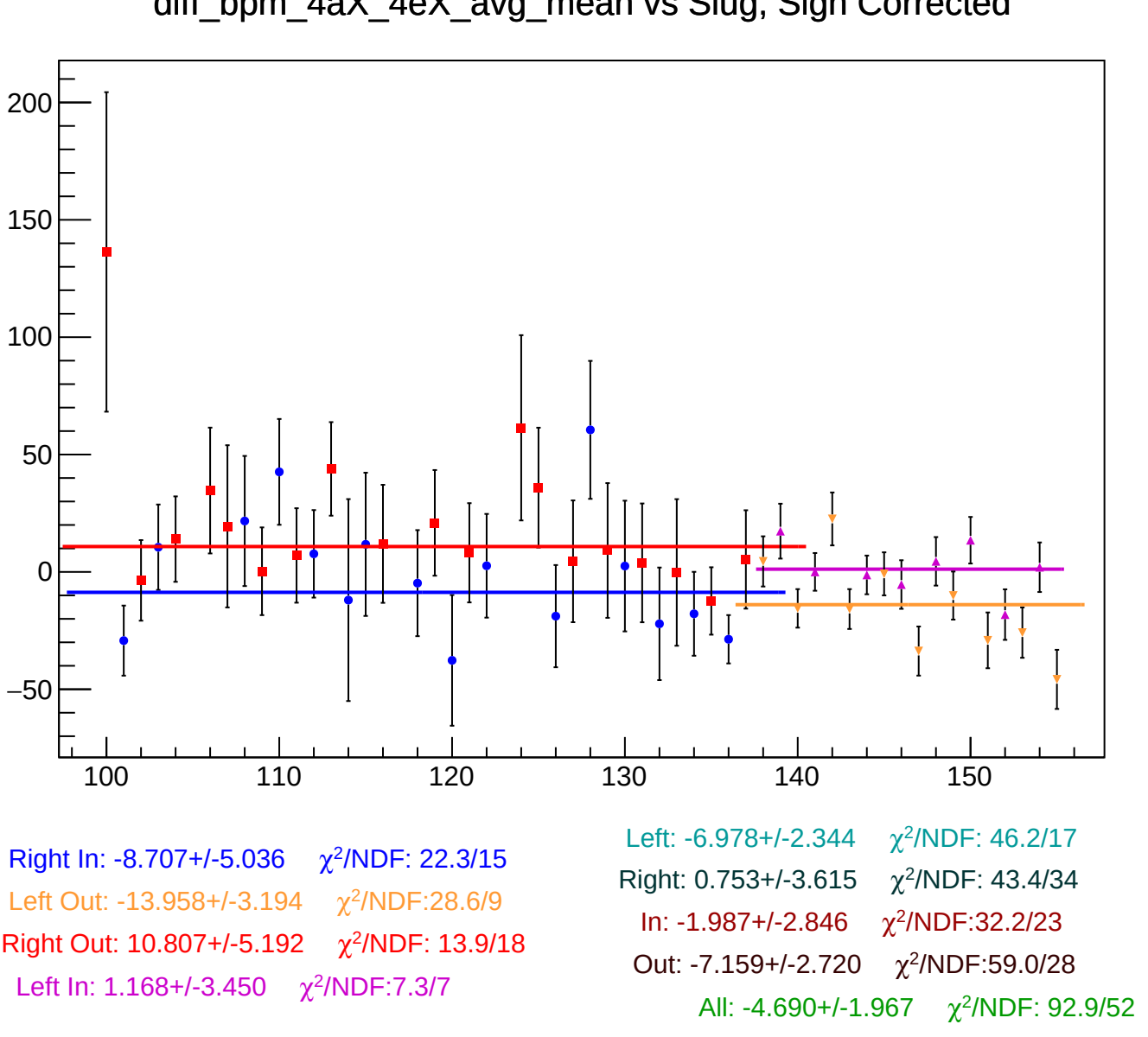
Left: 430.974+/-0.079 χ^2/NDF: 3298.9/17

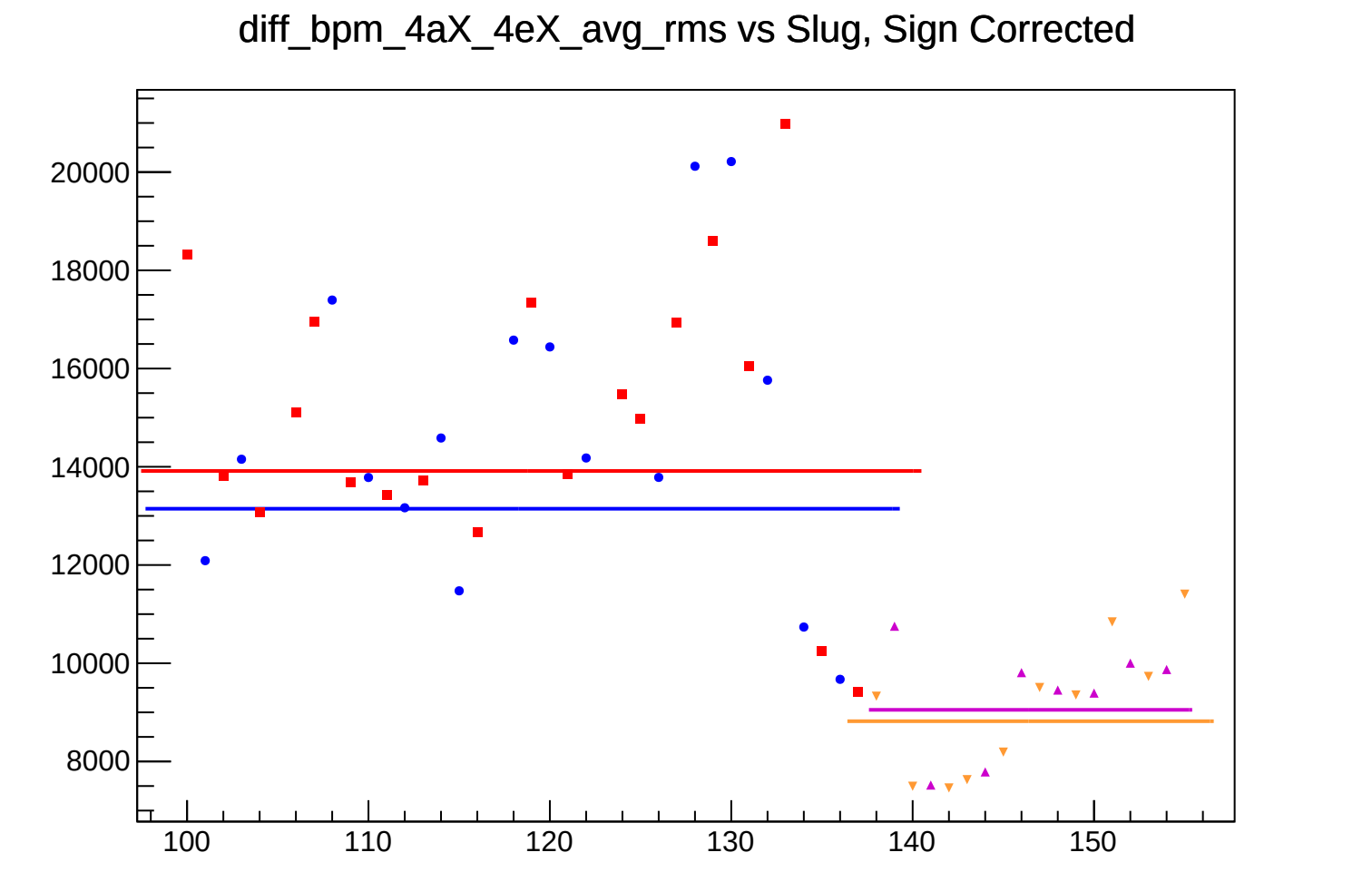
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 445.312+/-0.084 χ^2/NDF:107431.5/23

Out: 445.529+/-0.080 χ^2/NDF:95619.6/28

All: 445.425+/-0.058 χ^2/NDF: 203054.7/52


diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
Right In: -8.707+/-5.036 χ²/NDF: 22.3/15
Left Out: -13.958+/-3.194 χ²/NDF:28.6/9
Right Out: 10.807+/-5.192 χ²/NDF: 13.9/18
Left In: 1.168+/-3.450 χ²/NDF:7.3/7
Left: -6.978+/-2.344 χ²/NDF: 46.2/17
Right: 0.753+/-3.615 χ²/NDF: 43.4/34
In: -1.987+/-2.846 χ²/NDF:32.2/23
Out: -7.159+/-2.720 χ²/NDF:59.0/28
All: -4.690+/-1.967 χ²/NDF: 92.9/52



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8819.727+/-2.258 χ^2/NDF:305302.0/9

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 9051.250+/-2.440 χ^2/NDF:205981.0/7

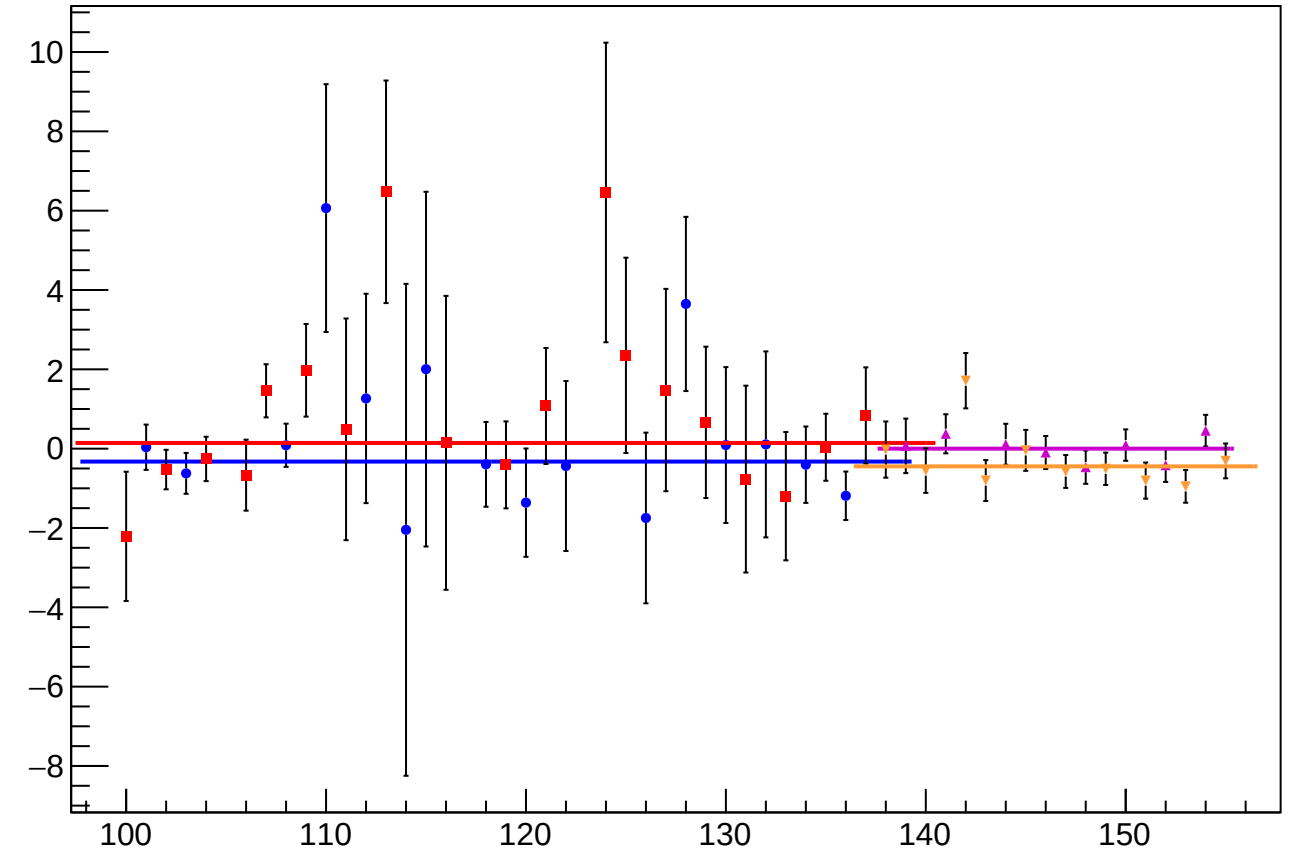
Left: 8926.560+/-1.657 χ^2/NDF: 516133.0/17

Right: 13518.600+/-2.556 χ^2/NDF: 1216225.3/34

In: 10359.347+/-2.013 χ^2/NDF:1788459.2/23

Out: 10218.505+/-1.923 χ^2/NDF:2213785.0/28

All: 10285.737+/-1.391 χ^2/NDF: 4004803.7/5



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.446+/-0.153 χ^2/NDF:13.4/9

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.000+/-0.159 χ^2/NDF:4.2/7

Left: -0.231+/-0.110 χ^2/NDF: 21.8/17

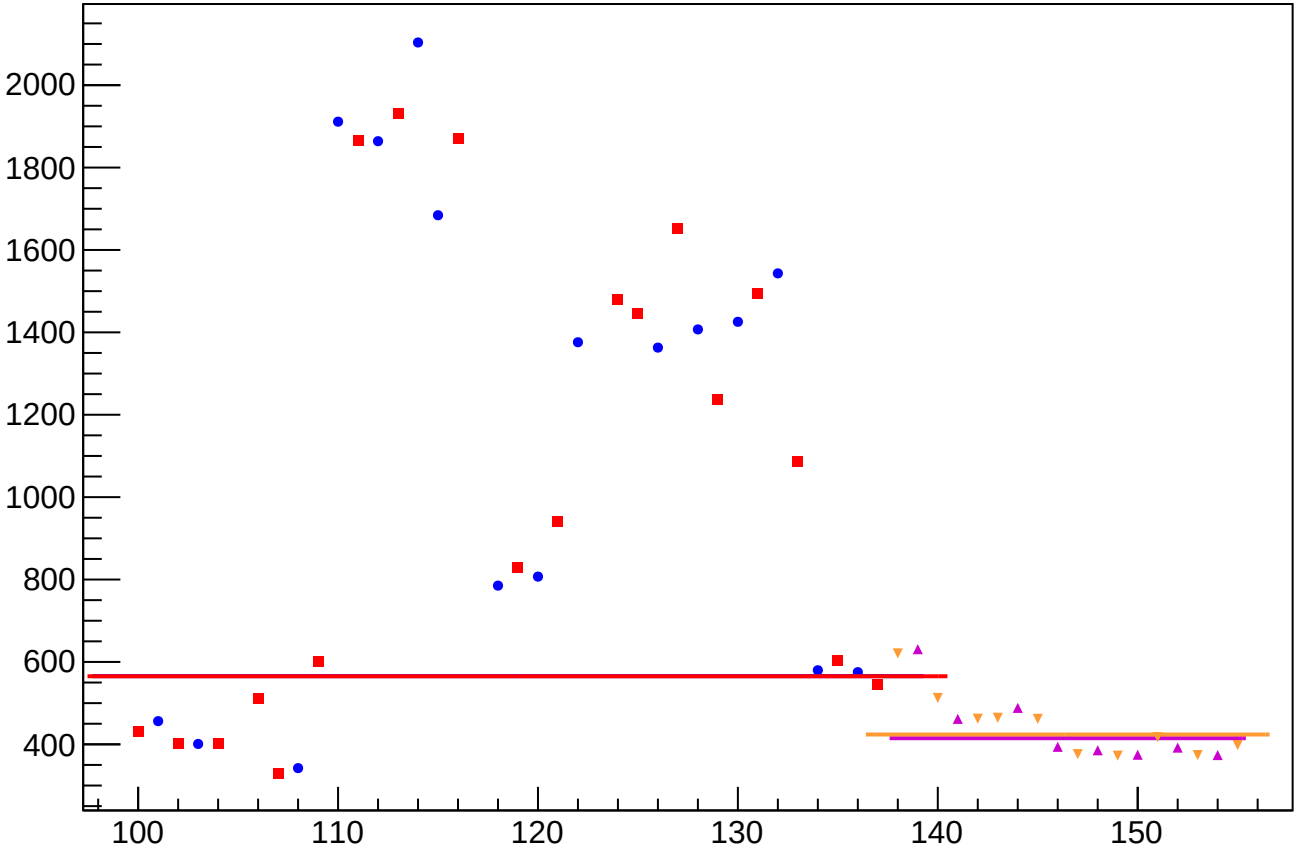
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.097+/-0.133 χ^2/NDF:18.1/23

Out: -0.279+/-0.130 χ^2/NDF:40.1/28

All: -0.190+/-0.093 χ^2/NDF: 59.1/52

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 423.866+/-0.108 χ^2/NDF:328542.0/9

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 414.887+/-0.112 χ^2/NDF:319024.1/7

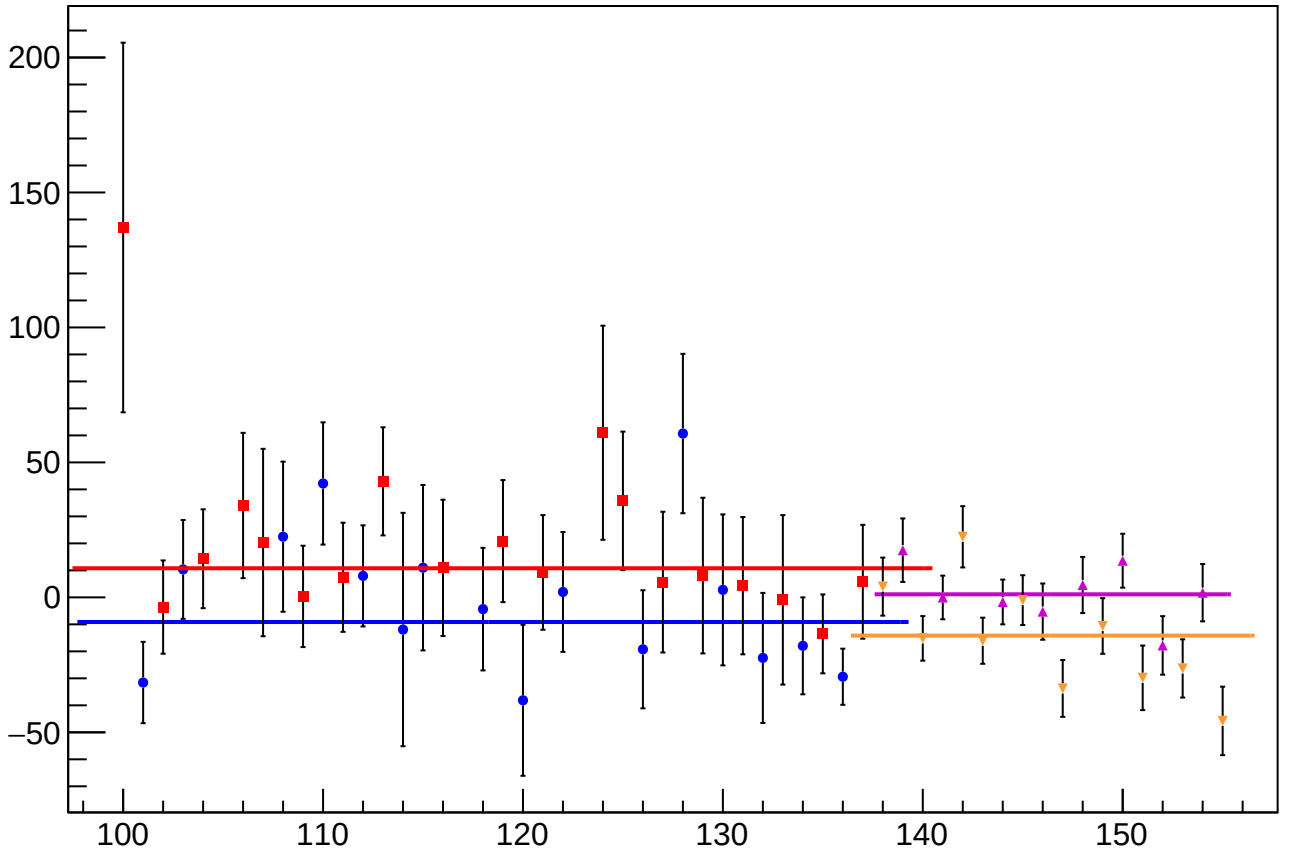
Left: 419.528+/-0.078 χ^2/NDF: 650876.9/17

Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 459.622+/-0.094 χ^2/NDF:4304971.0/23

Out: 463.817+/-0.092 χ^2/NDF:4380256.5/28

All: 461.769+/-0.066 χ^2/NDF: 8686245.4/52



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -14.156+/-3.214 χ^2/NDF:28.1/9

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 1.140+/-3.473 χ^2/NDF:7.2/7

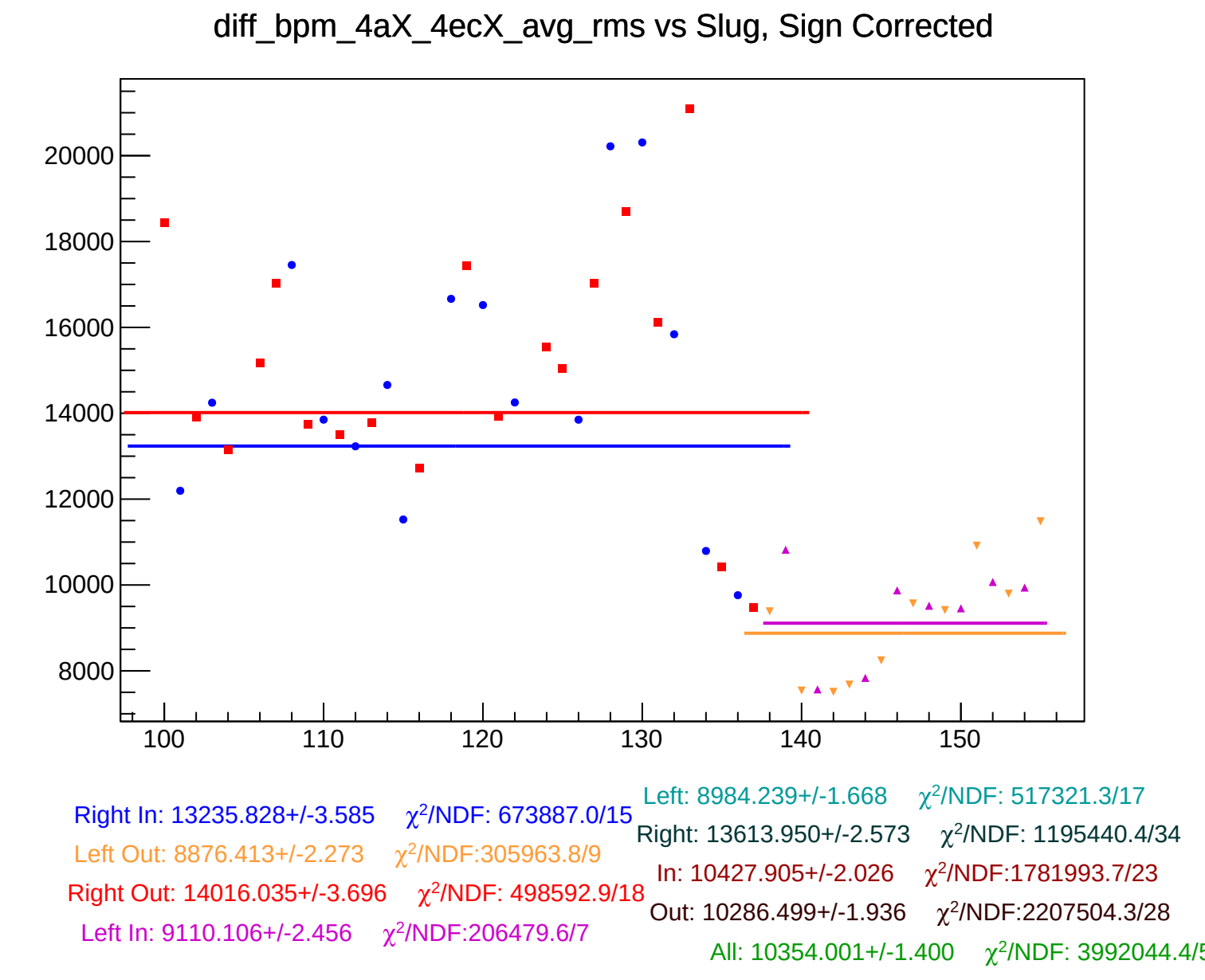
Left: -7.098+/-2.359 χ^2/NDF: 45.7/17

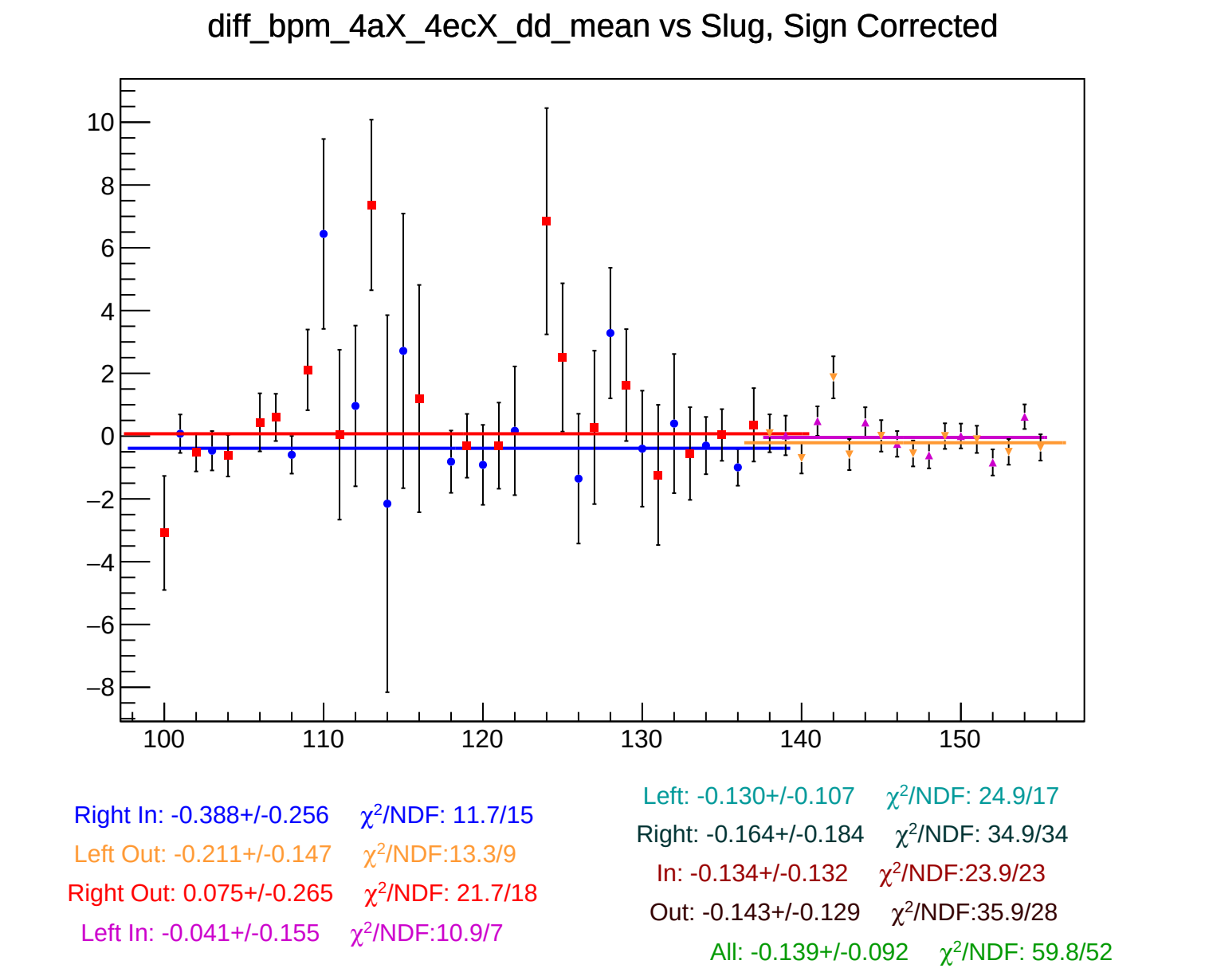
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

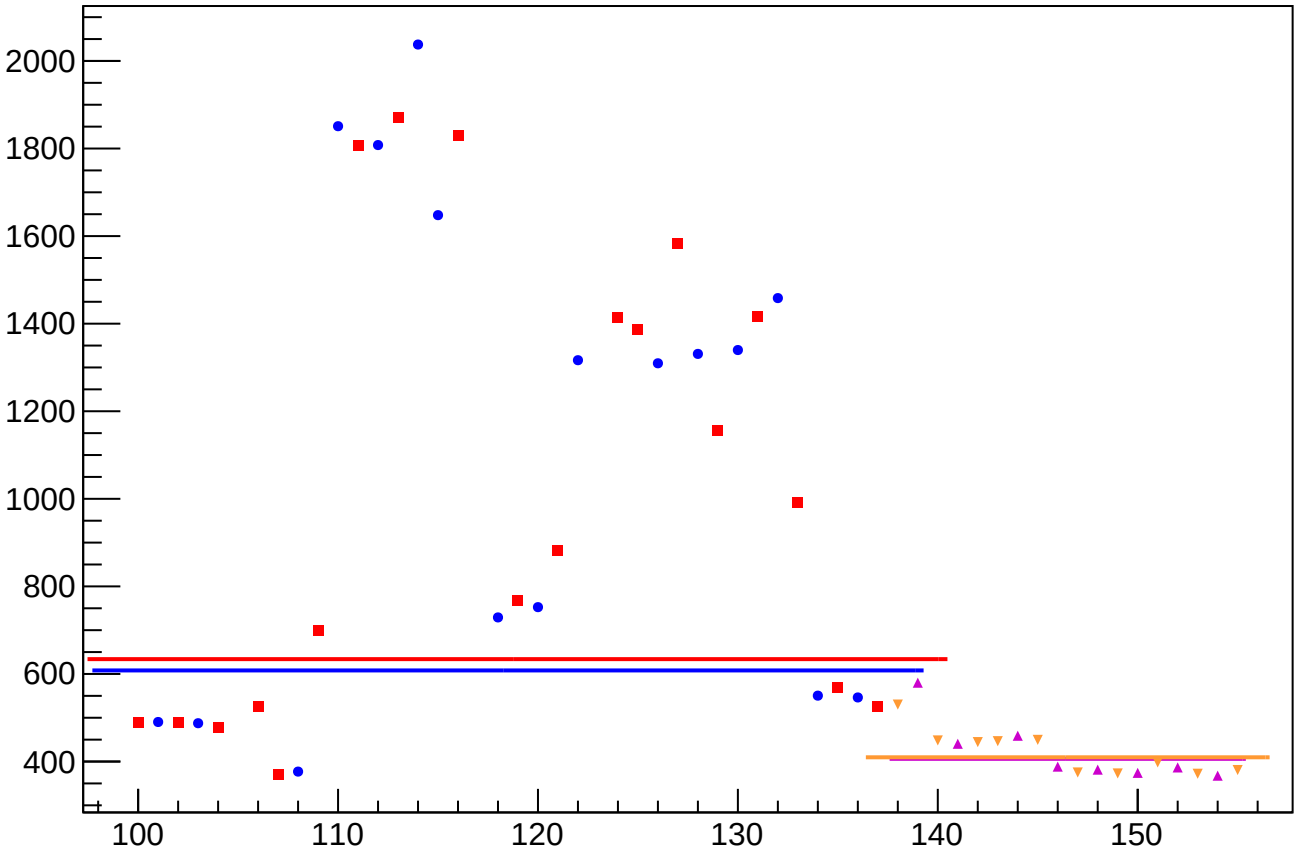
In: -2.140+/-2.865 χ^2/NDF:32.7/23

Out: -7.313+/-2.738 χ^2/NDF:58.3/28

All: -4.843+/-1.979 χ^2/NDF: 92.7/52


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: 8876.413+/-2.273 χ²/NDF:305963.8/9
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 9110.106+/-2.456 χ²/NDF:206479.6/7
Left: 8984.239+/-1.668 χ²/NDF: 517321.3/17
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 10427.905+/-2.026 χ²/NDF:1781993.7/23
Out: 10286.499+/-1.936 χ²/NDF:2207504.3/28
All: 10354.001+/-1.400 χ²/NDF: 3992044.4/5


diff_bpm_4aX_4ecX_dd_mean vs Slug, Sign Corrected
10
8
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: -0.388+/-0.256 χ²/NDF: 11.7/15
Left Out: -0.211+/-0.147 χ²/NDF:13.3/9
Right Out: 0.075+/-0.265 χ²/NDF: 21.7/18
Left In: -0.041+/-0.155 χ²/NDF:10.9/7
Left: -0.130+/-0.107 χ²/NDF: 24.9/17
Right: -0.164+/-0.184 χ²/NDF: 34.9/34
In: -0.134+/-0.132 χ²/NDF:23.9/23
Out: -0.143+/-0.129 χ²/NDF:35.9/28
All: -0.139+/-0.092 χ²/NDF: 59.8/52



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 409.660+/-0.104 χ^2/NDF:179500.0/9

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 406.186+/-0.109 χ^2/NDF:234244.5/7

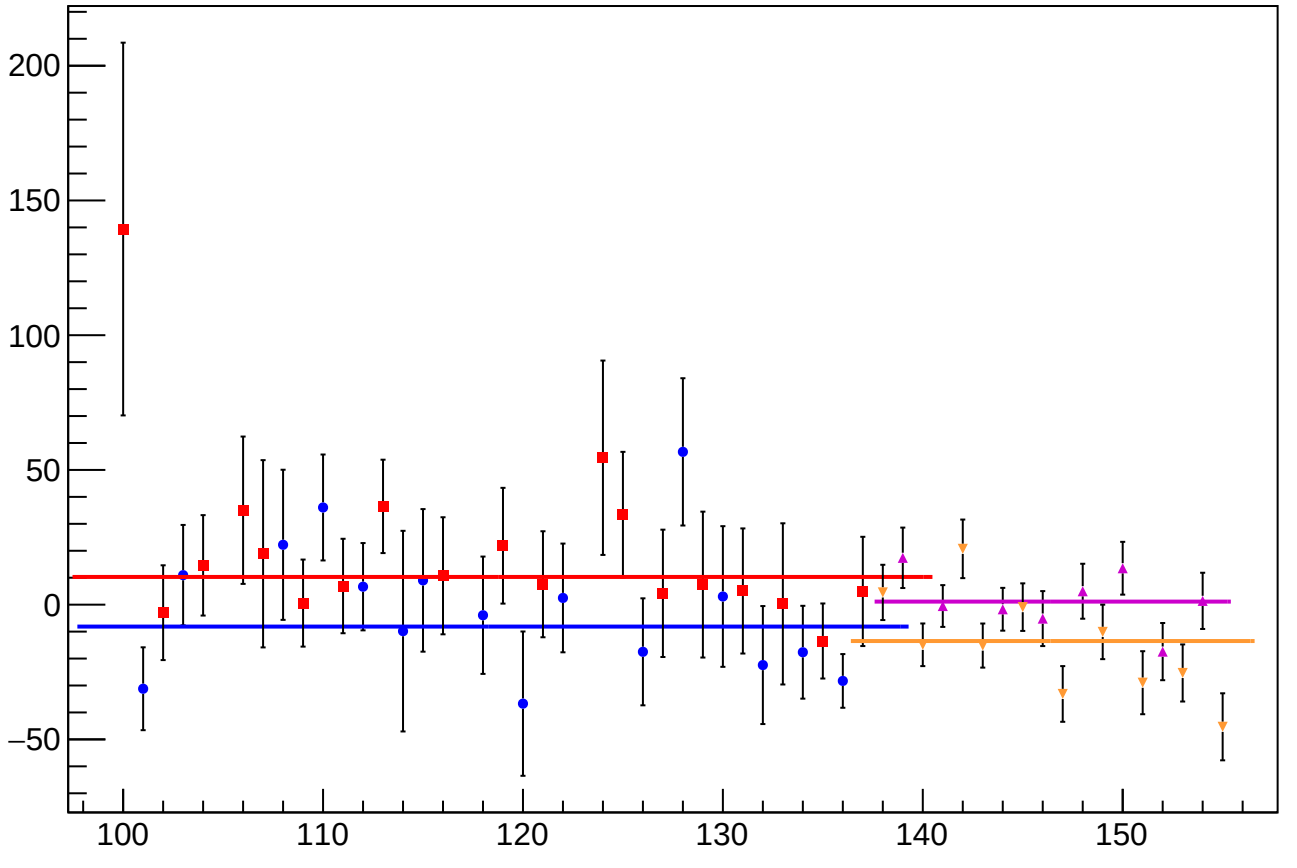
Left: 408.008+/-0.075 χ^2/NDF: 414273.5/17

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 460.280+/-0.094 χ^2/NDF:3999552.7/23

Out: 462.727+/-0.091 χ^2/NDF:4064890.3/28

All: 461.538+/-0.065 χ^2/NDF: 8064794.6/52



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -13.498+/-3.107 χ^2/NDF:28.4/9

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 1.136+/-3.368 χ^2/NDF:7.5/7

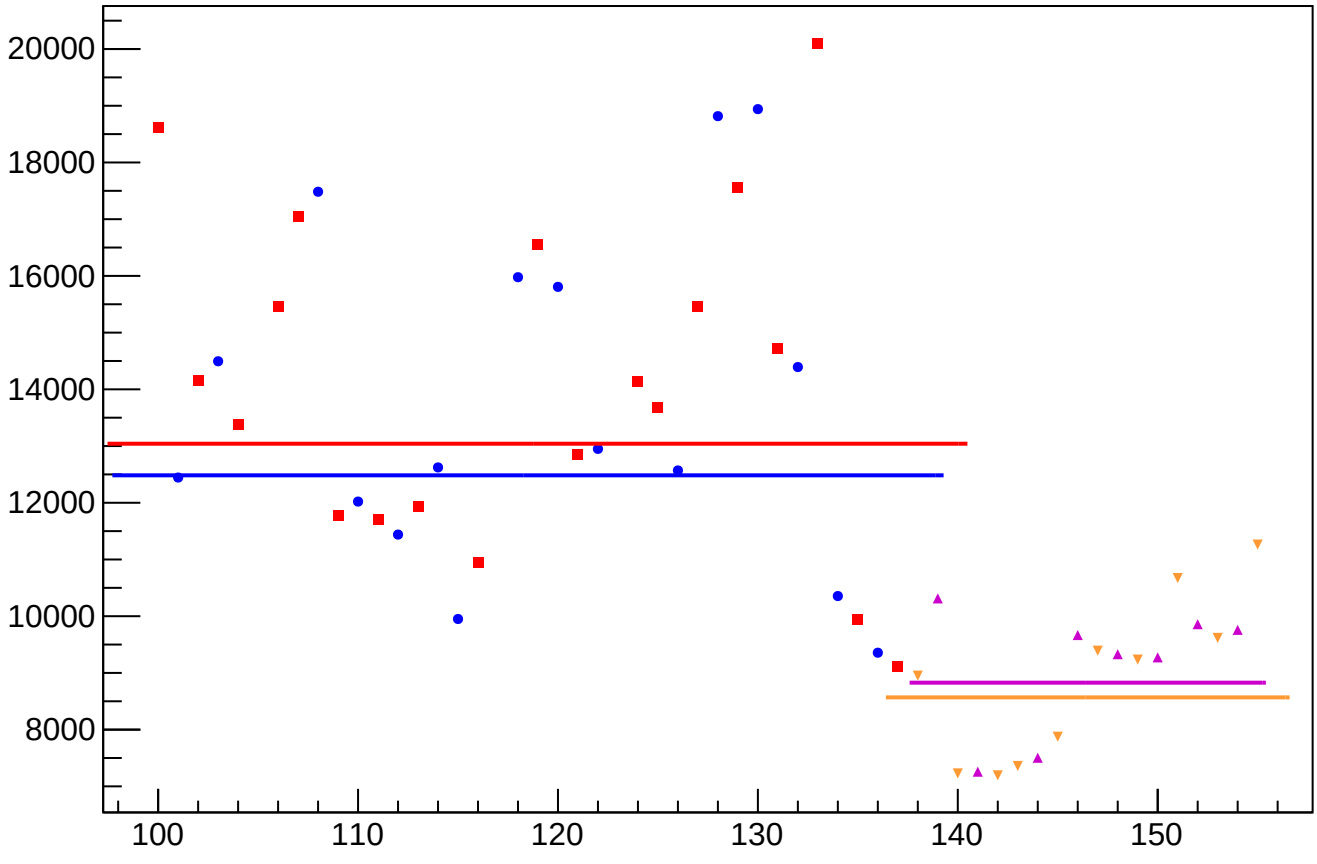
Left: -6.769+/-2.284 χ^2/NDF: 46.0/17

Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -1.940+/-2.753 χ^2/NDF:33.1/23

Out: -6.623+/-2.620 χ^2/NDF:59.0/28

All: -4.397+/-1.898 χ^2/NDF: 93.6/52



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8568.571+/-2.197 χ^2/NDF:347820.4/9

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8827.984+/-2.382 χ^2/NDF:230006.2/7

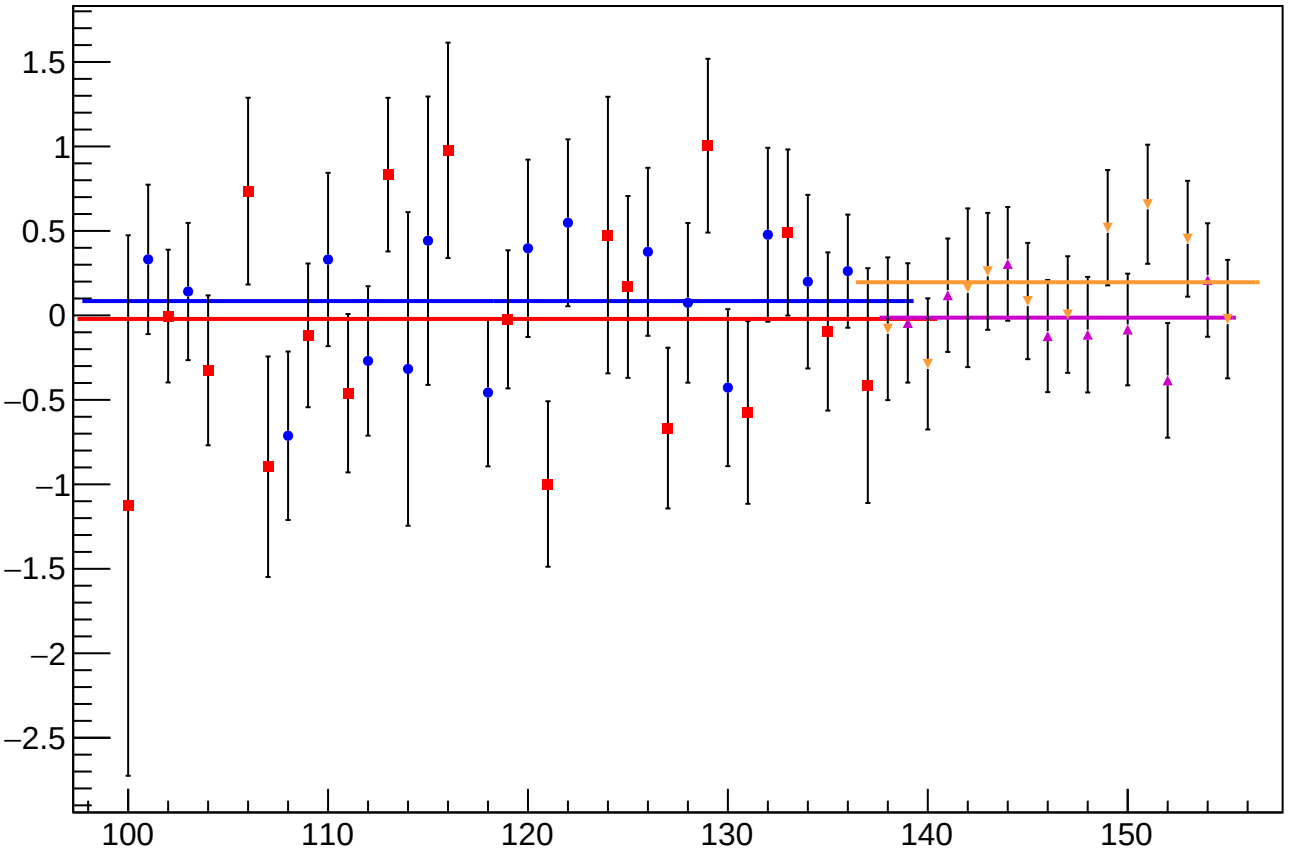
Left: 8687.854+/-1.615 χ^2/NDF: 584235.9/17

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 10041.184+/-1.947 χ^2/NDF:1683599.8/23

Out: 9861.371+/-1.853 χ^2/NDF:2089993.5/28

All: 9946.831+/-1.342 χ^2/NDF: 3778070.3/52



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.196+/-0.115 χ^2/NDF:6.0/9

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.013+/-0.119 χ^2/NDF:2.9/7

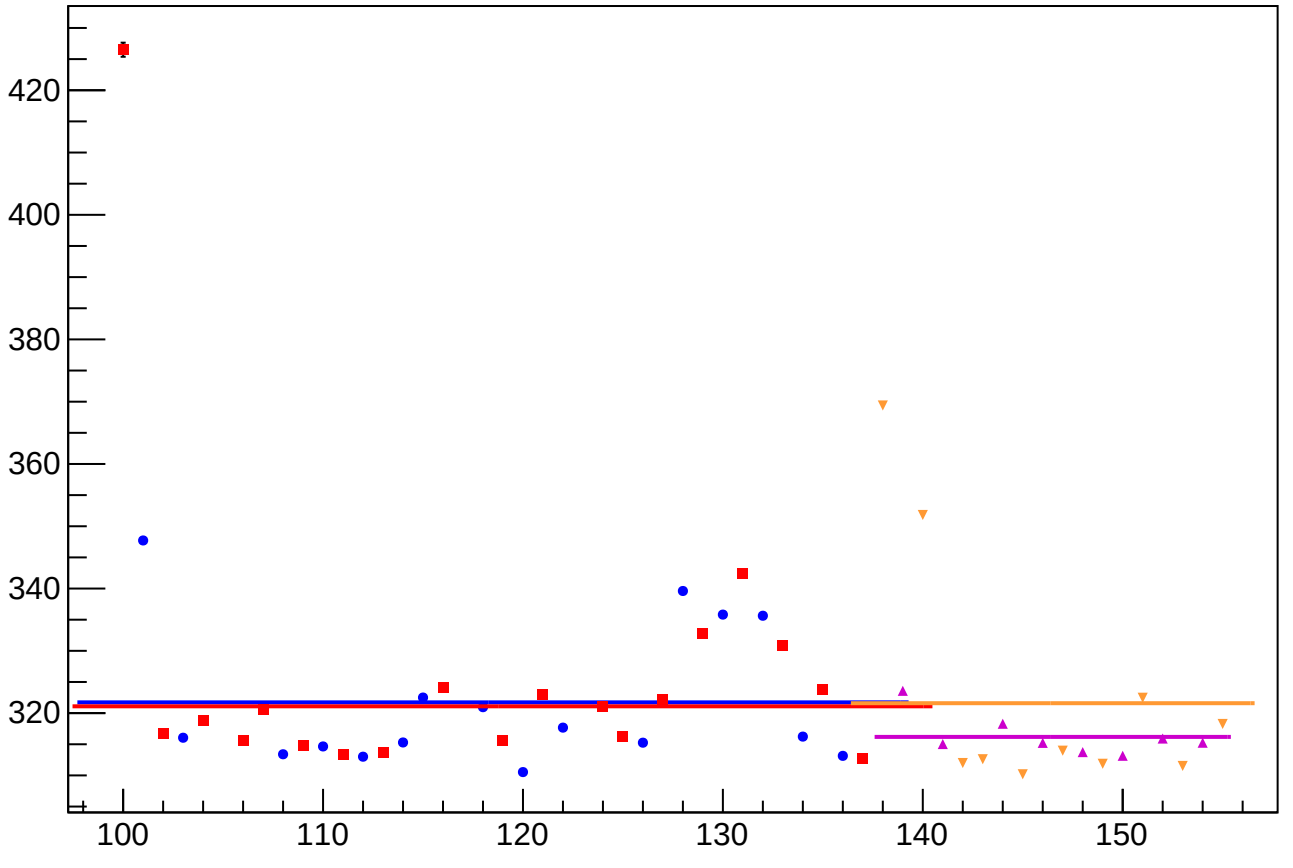
Left: 0.095+/-0.083 χ^2/NDF: 10.5/17

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.035+/-0.085 χ^2/NDF:12.6/23

Out: 0.090+/-0.082 χ^2/NDF:32.0/28

All: 0.063+/-0.059 χ^2/NDF: 44.9/52



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 321.592+/-0.082 χ^2/NDF:46628.0/9

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 316.182+/-0.084 χ^2/NDF:1282.5/7

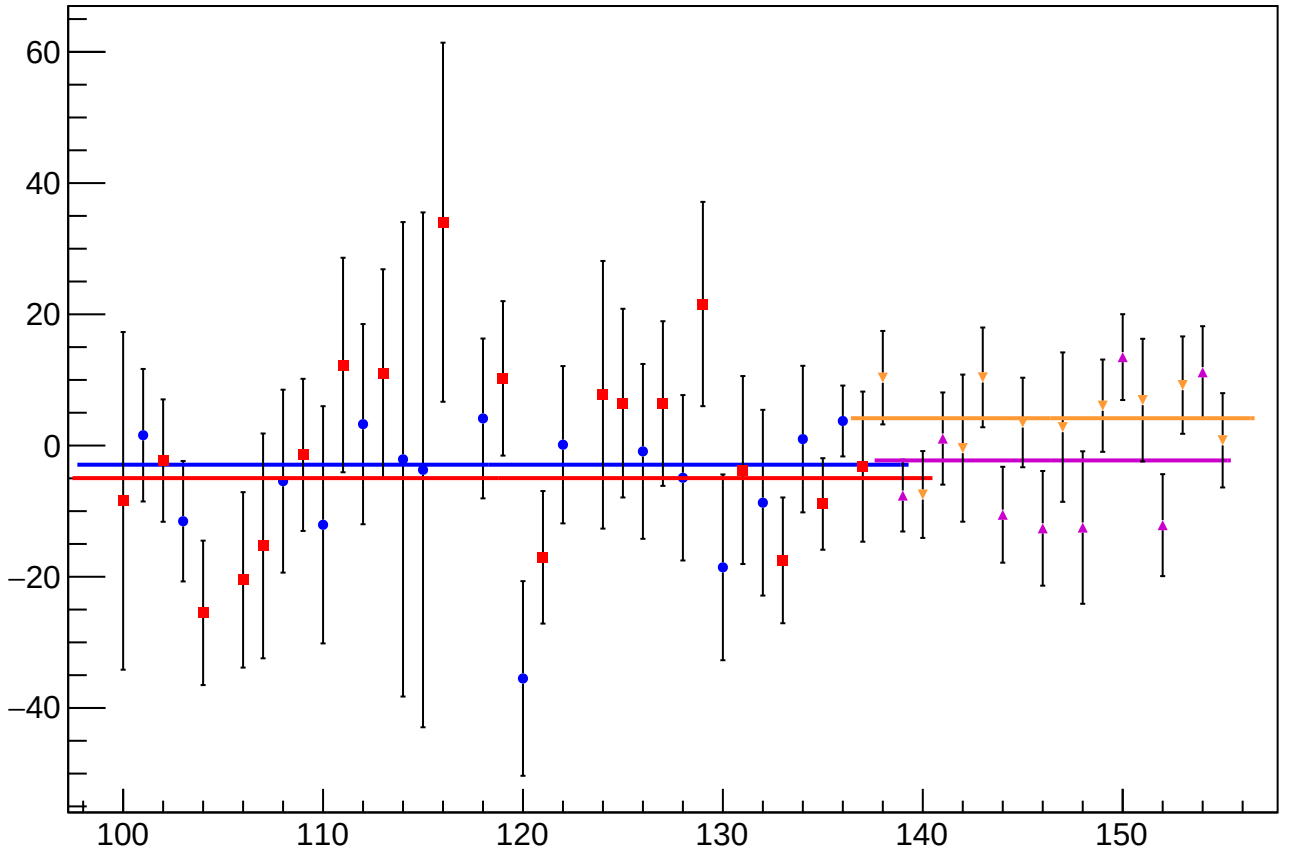
Left: 318.984+/-0.059 χ^2/NDF: 50033.8/17

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 318.940+/-0.060 χ^2/NDF:21638.5/23

Out: 321.347+/-0.058 χ^2/NDF:63225.8/28

All: 320.179+/-0.042 χ^2/NDF: 85695.4/52



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 4.164+/-2.453 χ^2/NDF:5.5/9

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -2.270+/-2.557 χ^2/NDF:15.7/7

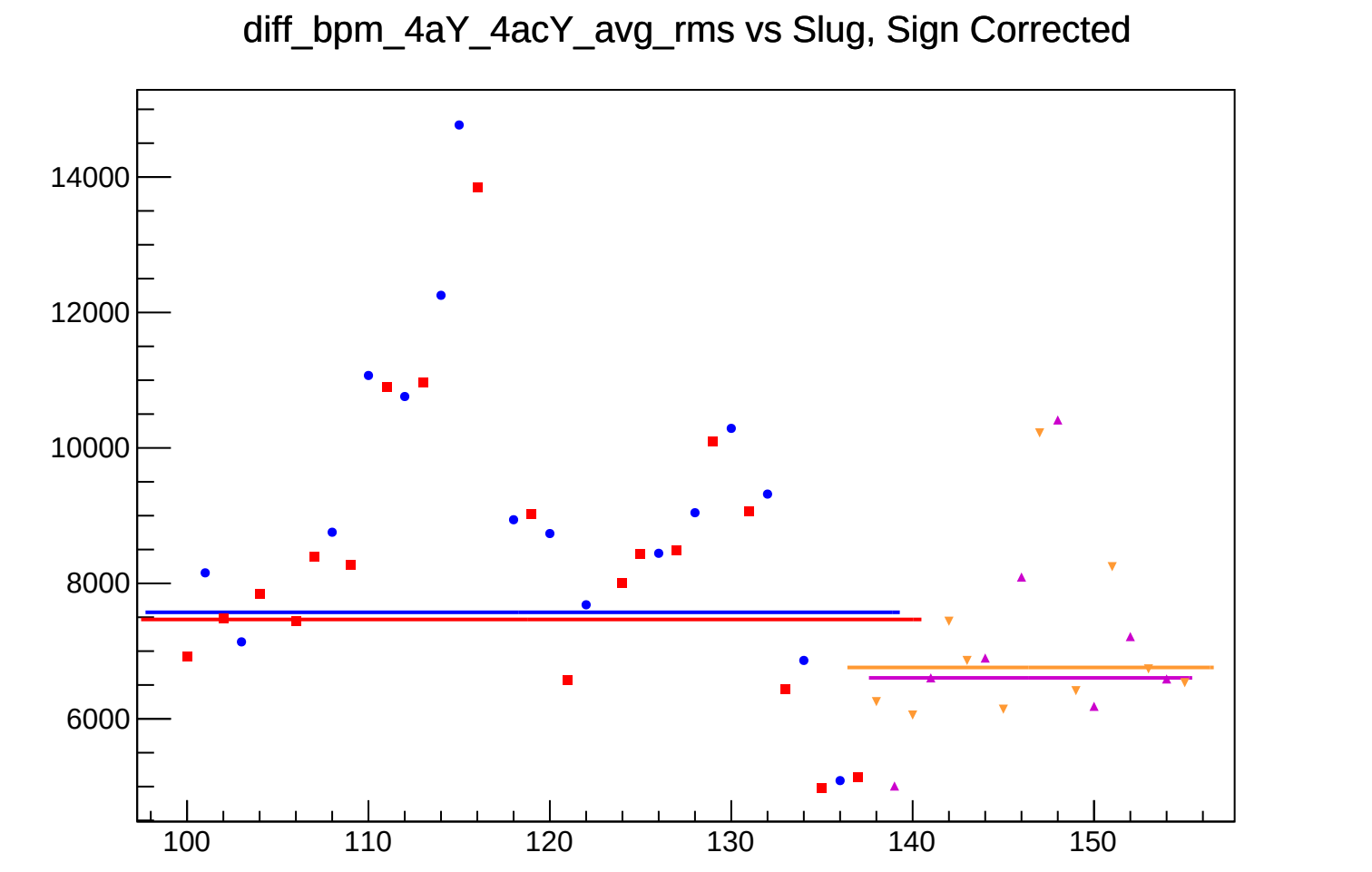
Left: 1.080+/-1.770 χ^2/NDF: 24.5/17

Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -2.554+/-1.921 χ^2/NDF:25.6/23

Out: 0.237+/-1.852 χ^2/NDF:30.9/28

All: -1.107+/-1.333 χ^2/NDF: 57.6/52



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6758.768+/-1.735 χ^2/NDF:299108.4/9

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 6604.724+/-1.808 χ^2/NDF:466470.9/7

Left: 6684.927+/-1.252 χ^2/NDF: 769359.7/17

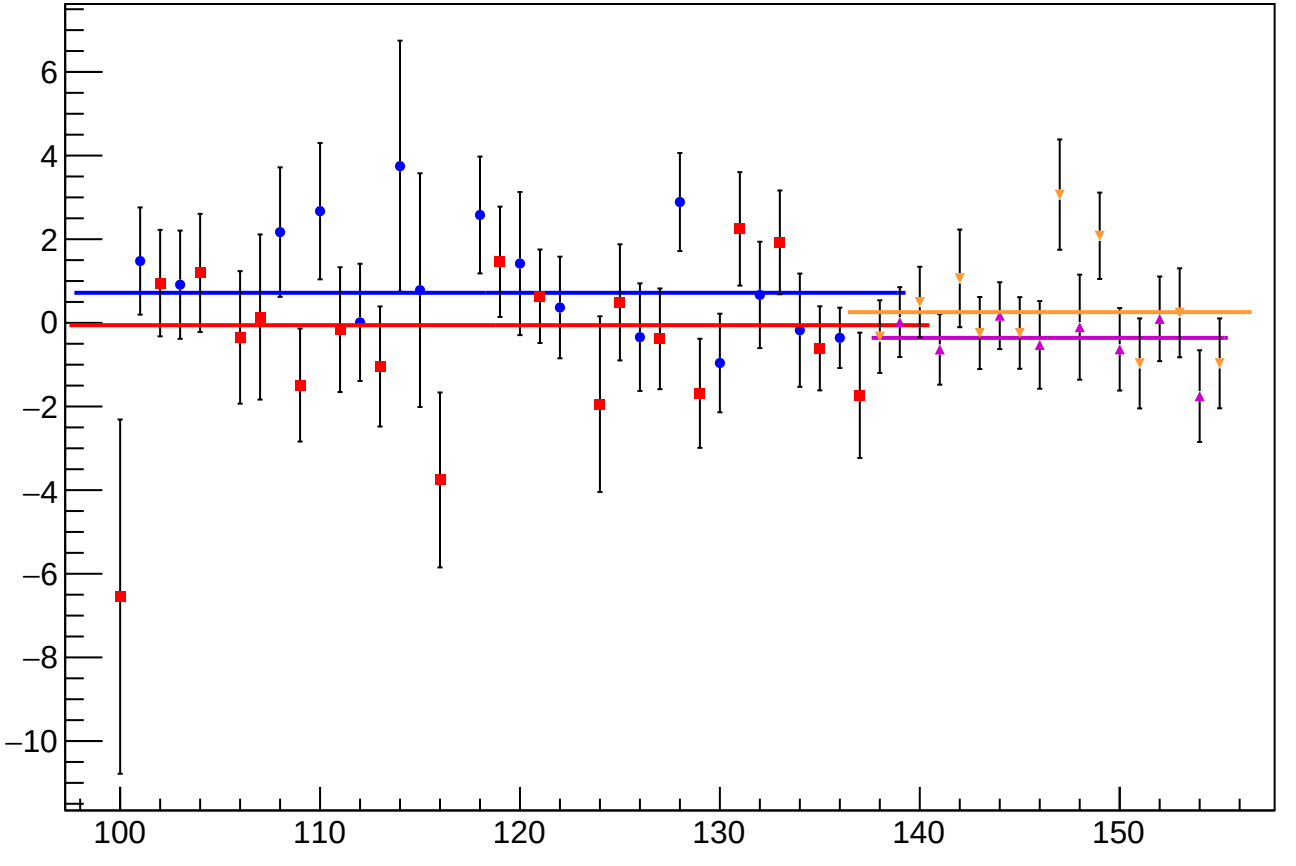
Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 7026.546+/-1.358 χ^2/NDF:1489057.5/23

Out: 7063.561+/-1.310 χ^2/NDF:1199252.4/28

All: 7045.728+/-0.943 χ^2/NDF: 2688694.8/52

diff_bpm_4aY_4acY_dd_mean vs Slug, Sign Corrected



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.256+/-0.312 χ^2/NDF:11.9/9

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.360+/-0.337 χ^2/NDF:2.7/7

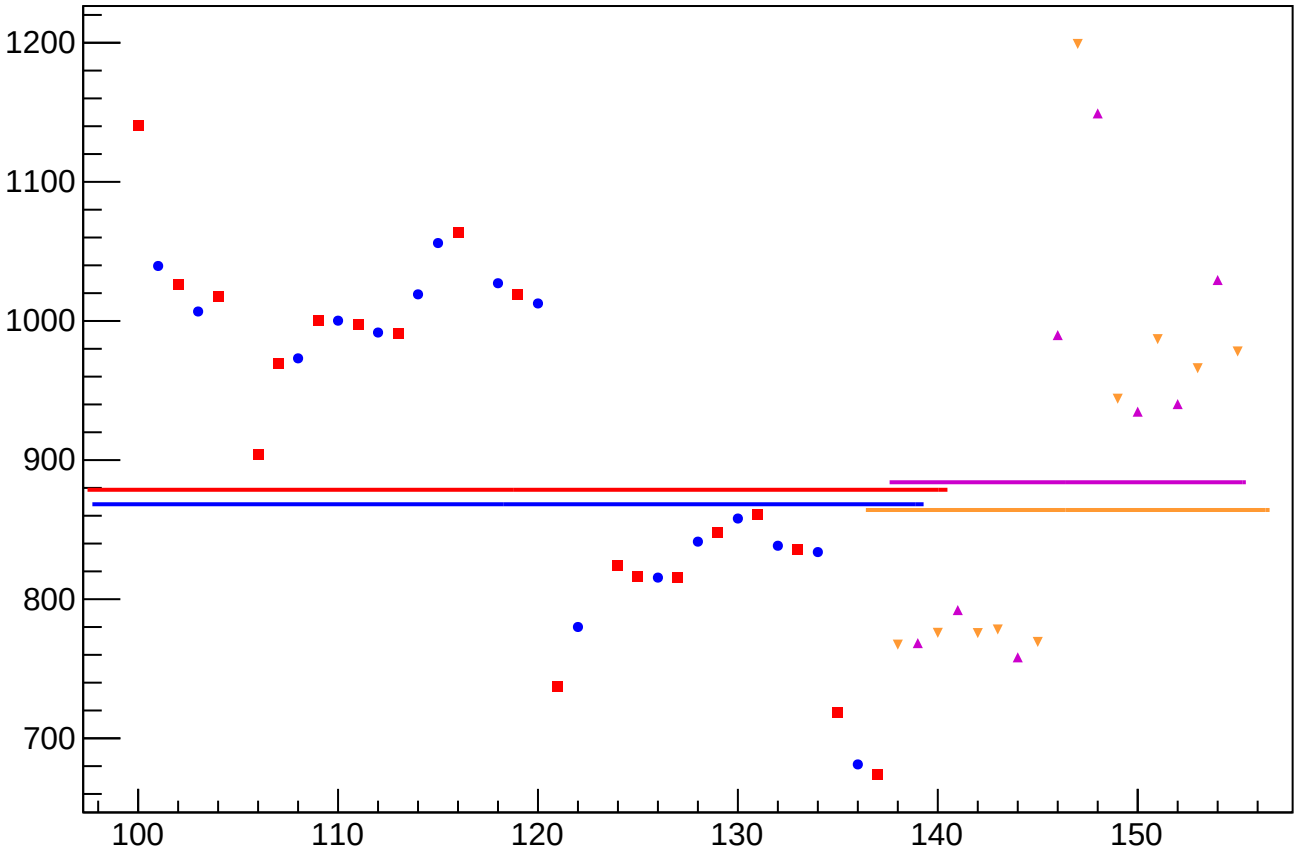
Left: -0.028+/-0.229 χ^2/NDF: 16.5/17

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.198+/-0.234 χ^2/NDF:22.8/23

Out: 0.106+/-0.224 χ^2/NDF:32.2/28

All: 0.150+/-0.162 χ^2/NDF: 55.1/52



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 864.129+/-0.220 χ^2/NDF:310487.4/9

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 884.063+/-0.239 χ^2/NDF:267933.4/7

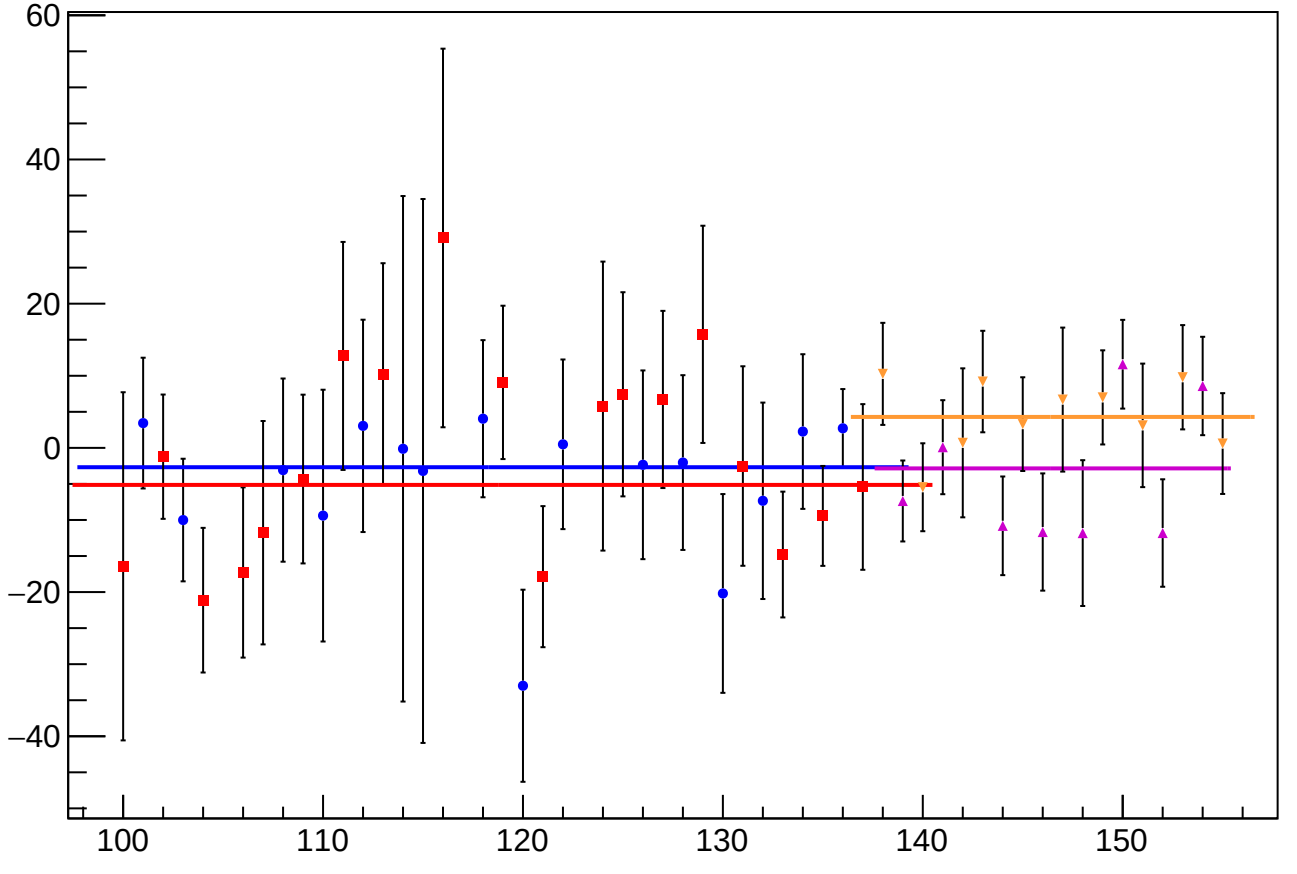
Left: 873.309+/-0.162 χ^2/NDF: 582189.1/17

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 875.886+/-0.166 χ^2/NDF:572615.5/23

Out: 871.126+/-0.159 χ^2/NDF:585111.3/28

All: 873.402+/-0.115 χ^2/NDF: 1158157.4/52



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.292+/-2.314 χ^2/NDF:5.0/9

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -2.847+/-2.444 χ^2/NDF:13.9/7

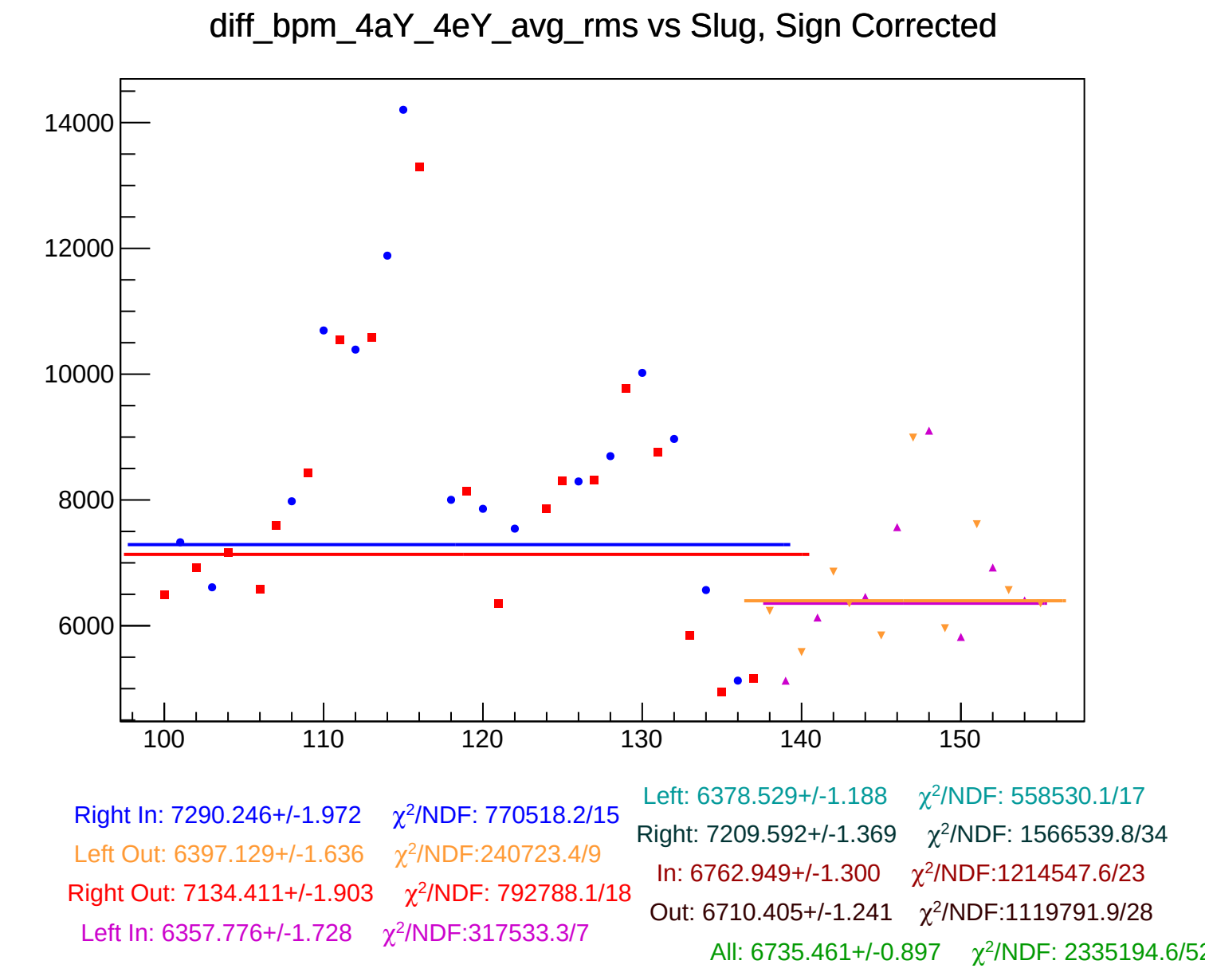
Left: 0.918+/-1.680 χ^2/NDF: 23.4/17

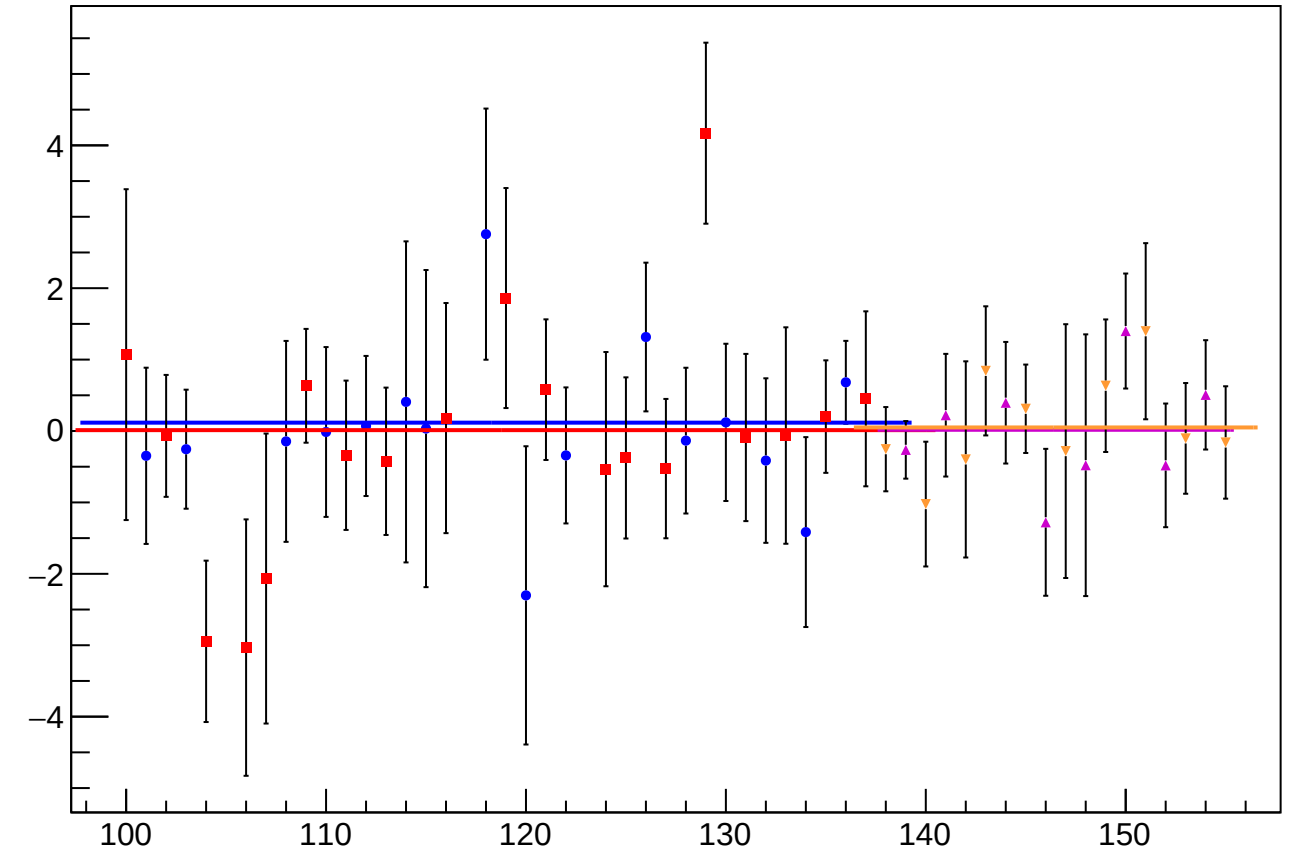
Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -2.776+/-1.838 χ^2/NDF:24.0/23

Out: 0.286+/-1.755 χ^2/NDF:29.3/28

All: -1.174+/-1.269 χ^2/NDF: 54.8/52


diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 7290.246+/-1.972 χ²/NDF: 770518.2/15
Left Out: 6397.129+/-1.636 χ²/NDF:240723.4/9
Right Out: 7134.411+/-1.903 χ²/NDF: 792788.1/18
Left In: 6357.776+/-1.728 χ²/NDF:317533.3/7
Left: 6378.529+/-1.188 χ²/NDF: 558530.1/17
Right: 7209.592+/-1.369 χ²/NDF: 1566539.8/34
In: 6762.949+/-1.300 χ²/NDF:1214547.6/23
Out: 6710.405+/-1.241 χ²/NDF:1119791.9/28
All: 6735.461+/-0.897 χ²/NDF: 2335194.6/52



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: 0.050+/-0.268 χ^2/NDF:4.6/9

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.017+/-0.261 χ^2/NDF:6.1/7

Left: 0.033+/-0.187 χ^2/NDF: 10.7/17

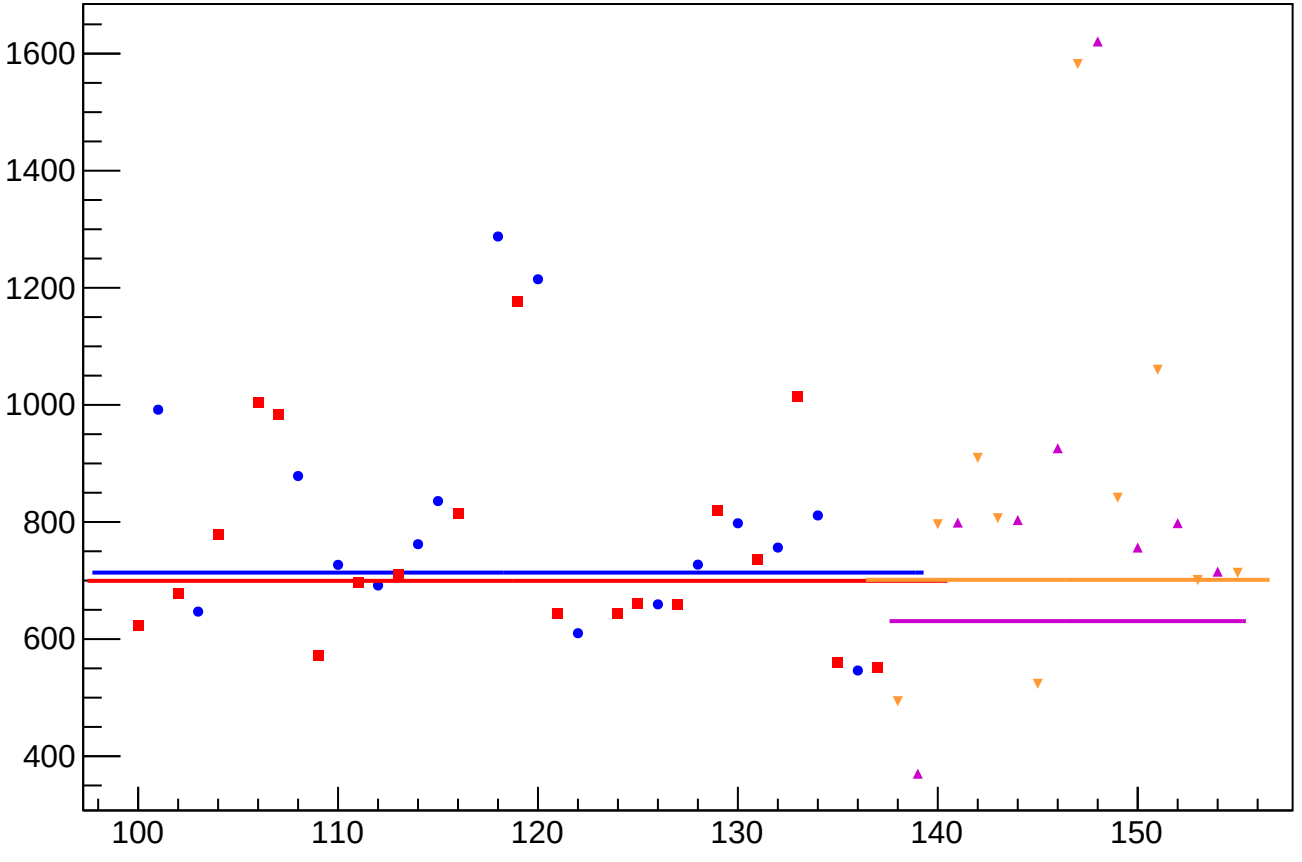
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.065+/-0.189 χ^2/NDF:14.3/23

Out: 0.031+/-0.188 χ^2/NDF:29.7/28

All: 0.048+/-0.133 χ^2/NDF: 44.0/52

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 701.249+/-0.189 χ^2/NDF:1215569.9/9

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 630.707+/-0.184 χ^2/NDF:1890156.1/7

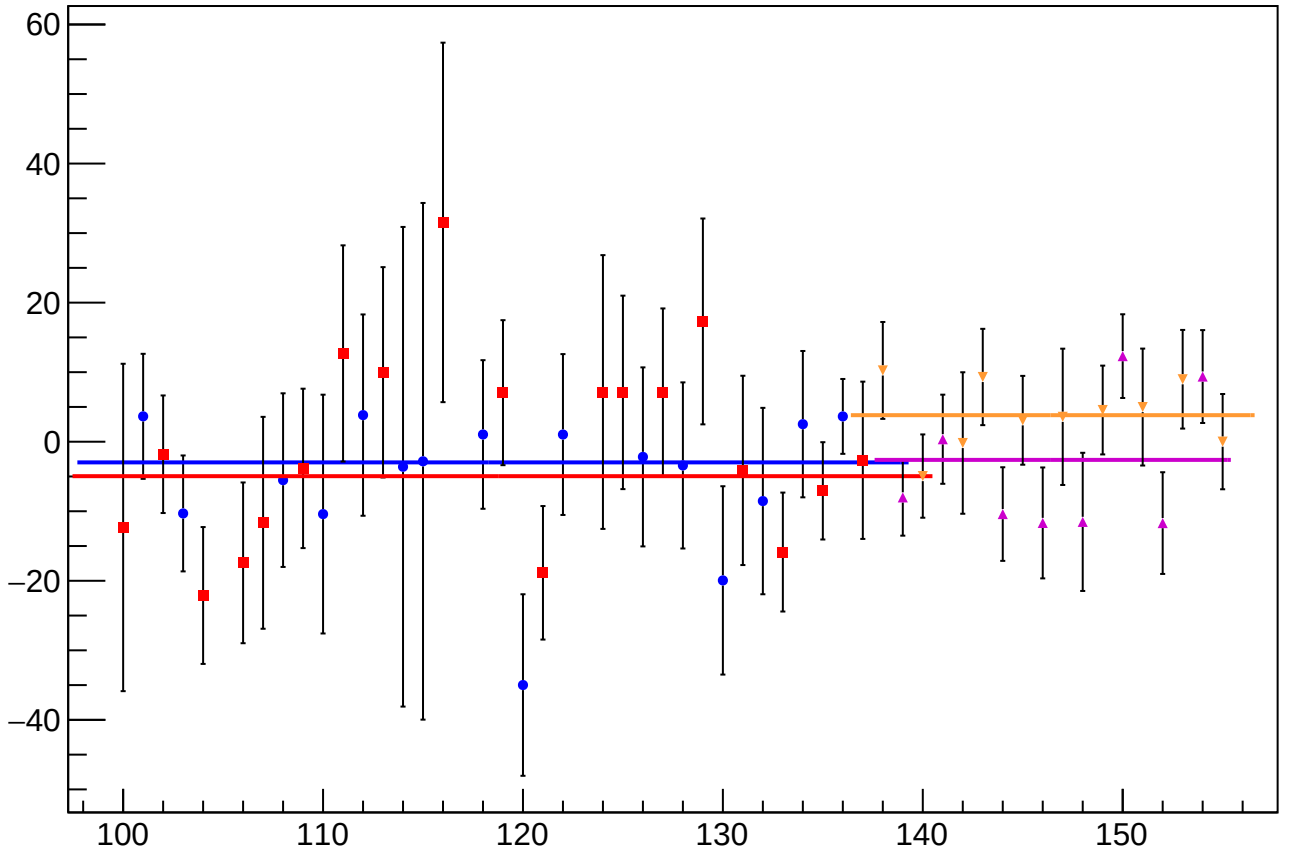
Left: 665.058+/-0.132 χ^2/NDF: 3177014.5/17

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 670.238+/-0.133 χ^2/NDF:2685893.8/23

Out: 700.361+/-0.133 χ^2/NDF:1791373.1/28

All: 685.376+/-0.094 χ^2/NDF: 4502903.0/52



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.816+/-2.272 χ^2/NDF:4.7/9

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -2.613+/-2.397 χ^2/NDF:15.5/7

Left: 0.774+/-1.649 χ^2/NDF: 24.0/17

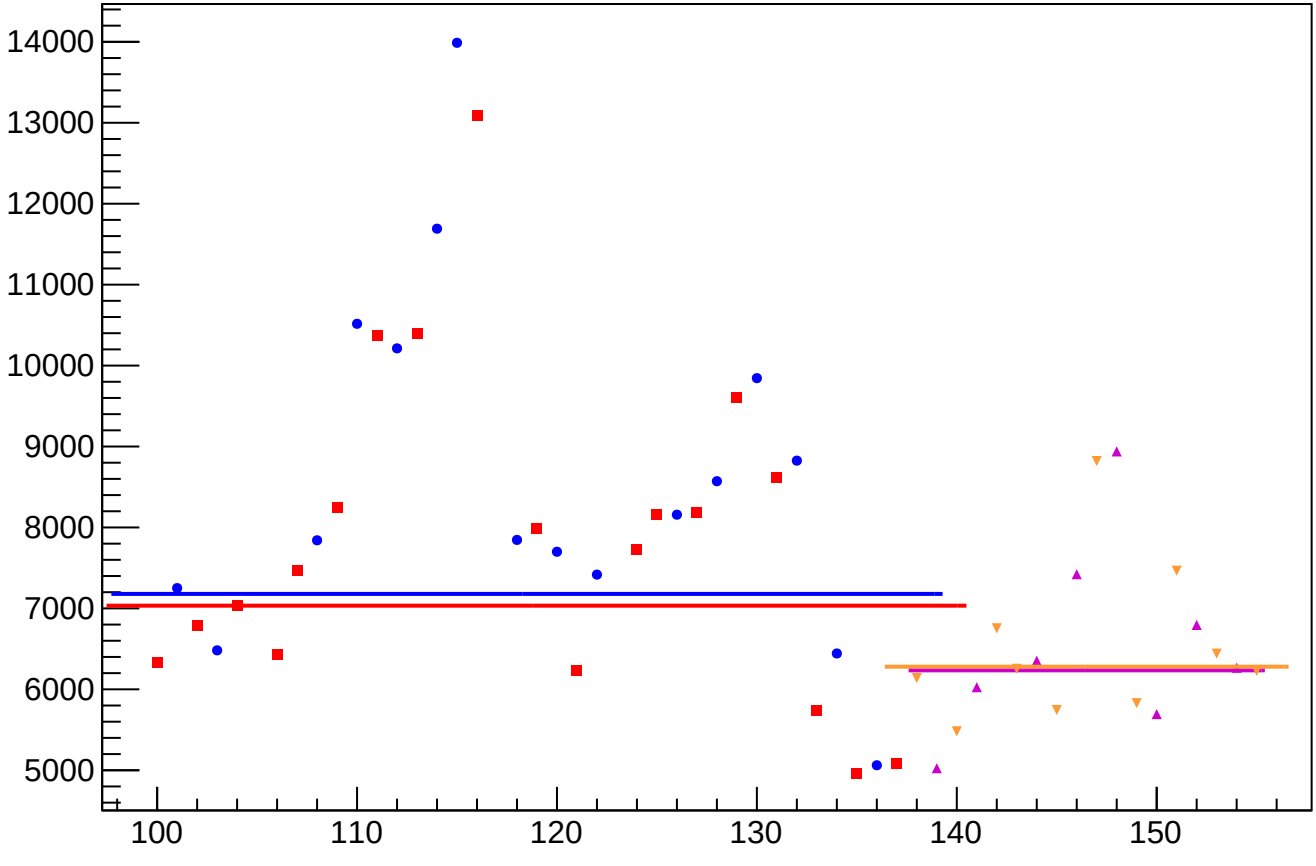
Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -2.769+/-1.806 χ^2/NDF:27.1/23

Out: 0.106+/-1.726 χ^2/NDF:29.4/28

All: -1.266+/-1.248 χ^2/NDF: 57.9/52

diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6279.764+/-1.606 χ^2/NDF:240139.1/9

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6234.623+/-1.695 χ^2/NDF:319858.5/7

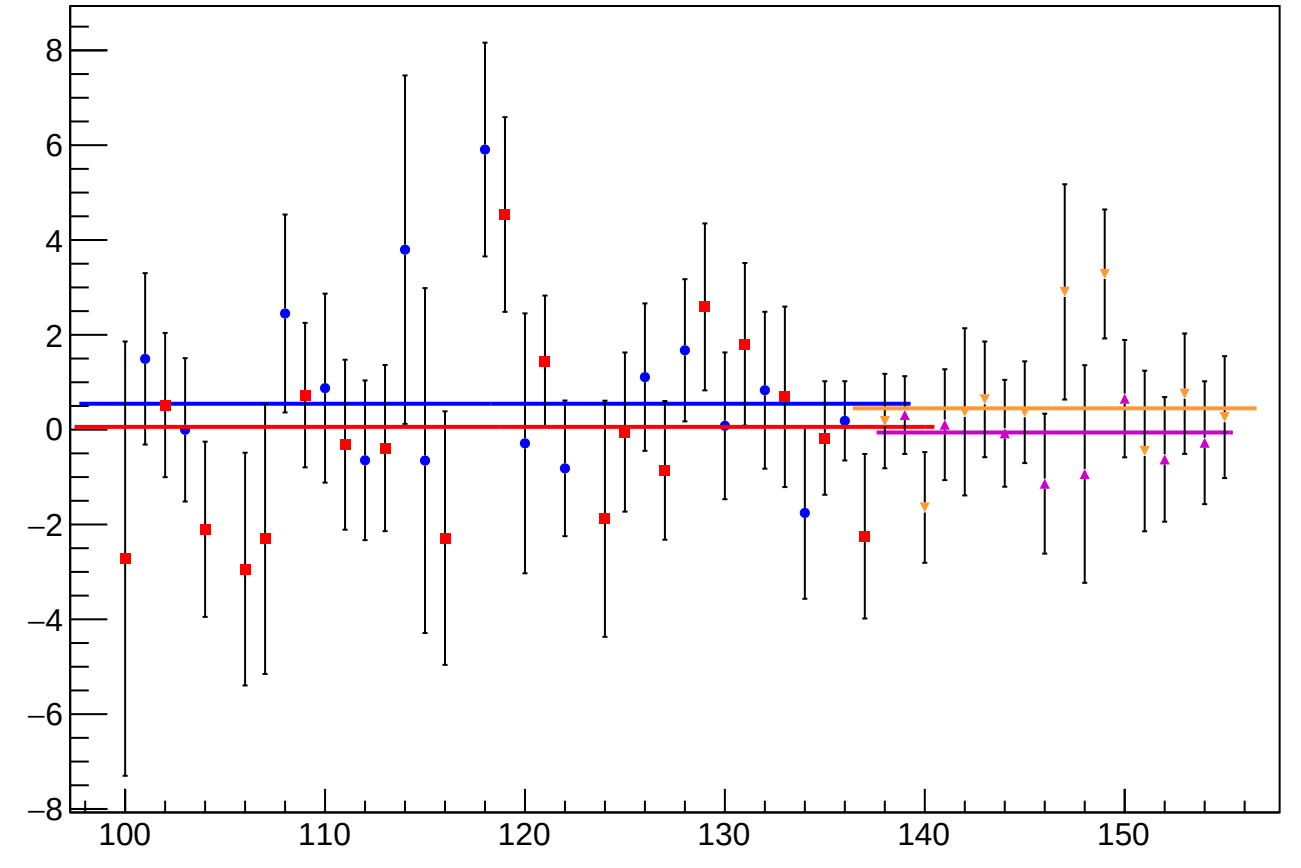
Left: 6258.407+/-1.166 χ^2/NDF: 560371.2/17

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6643.050+/-1.277 χ^2/NDF:1216005.5/23

Out: 6598.615+/-1.220 χ^2/NDF:1099670.2/28

All: 6619.822+/-0.882 χ^2/NDF: 2316308.6/52



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.450+/-0.411 χ^2/NDF:9.2/9

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.059+/-0.427 χ^2/NDF:1.4/7

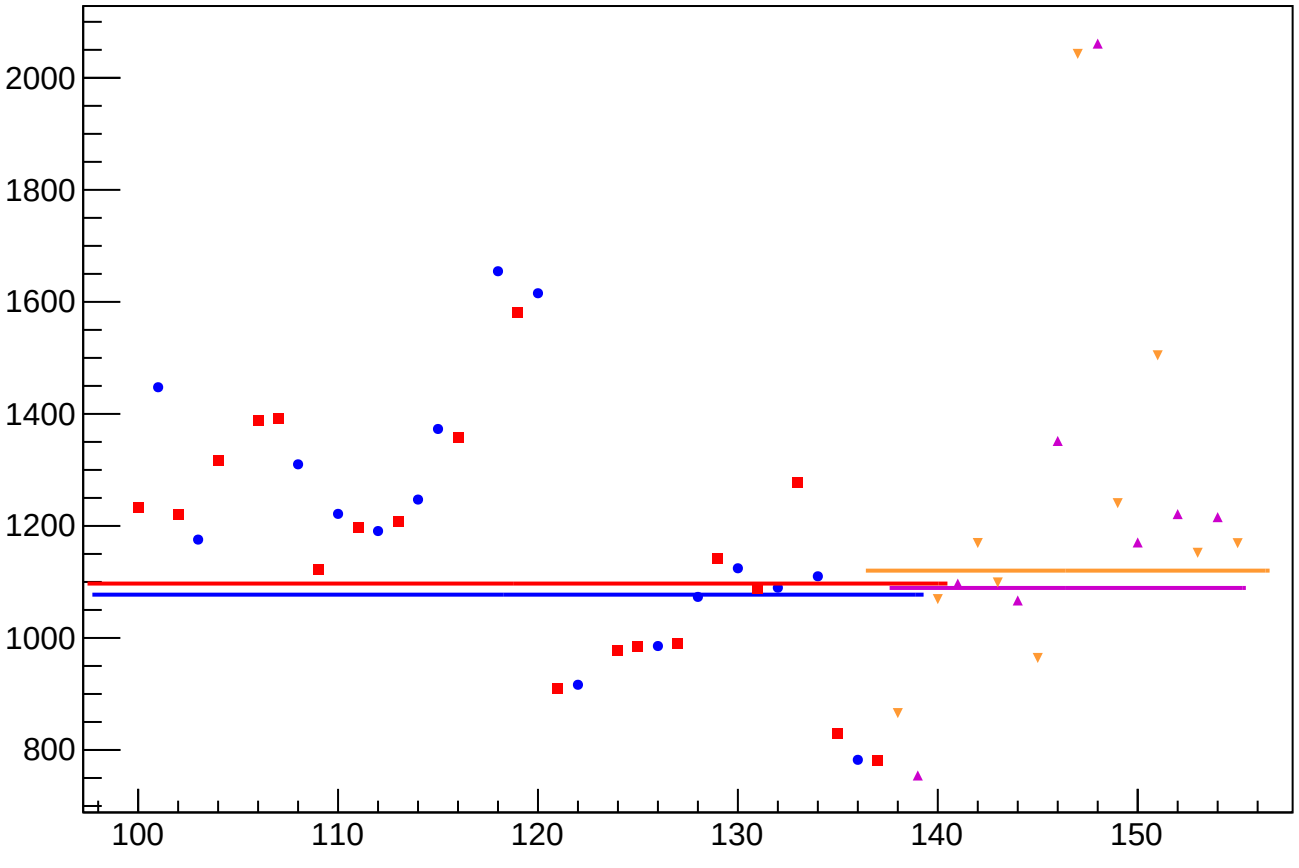
Left: 0.205+/-0.296 χ^2/NDF: 11.4/17

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.256+/-0.296 χ^2/NDF:14.4/23

Out: 0.254+/-0.290 χ^2/NDF:26.5/28

All: 0.255+/-0.207 χ^2/NDF: 40.9/52



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1120.198+/-0.291 χ^2/NDF:631728.3/9

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1089.280+/-0.302 χ^2/NDF:803976.0/7

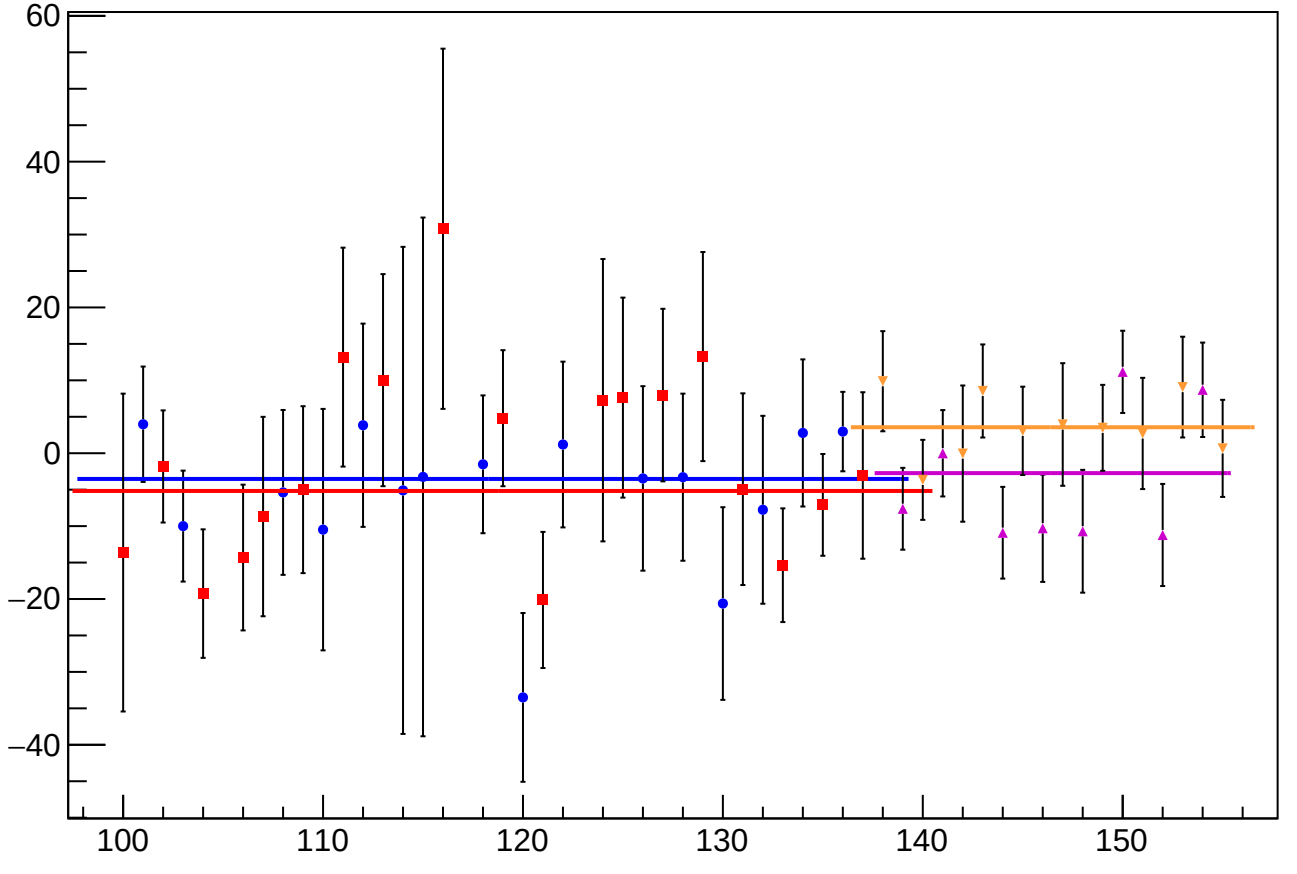
Left: 1105.321+/-0.209 χ^2/NDF: 1441141.8/17

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1083.061+/-0.209 χ^2/NDF:1451314.2/23

Out: 1108.583+/-0.205 χ^2/NDF:1119269.4/28

All: 1096.090+/-0.146 χ^2/NDF: 2578168.5/52



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.563+/-2.126 χ^2/NDF:4.2/9

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -2.728+/-2.272 χ^2/NDF:15.3/7

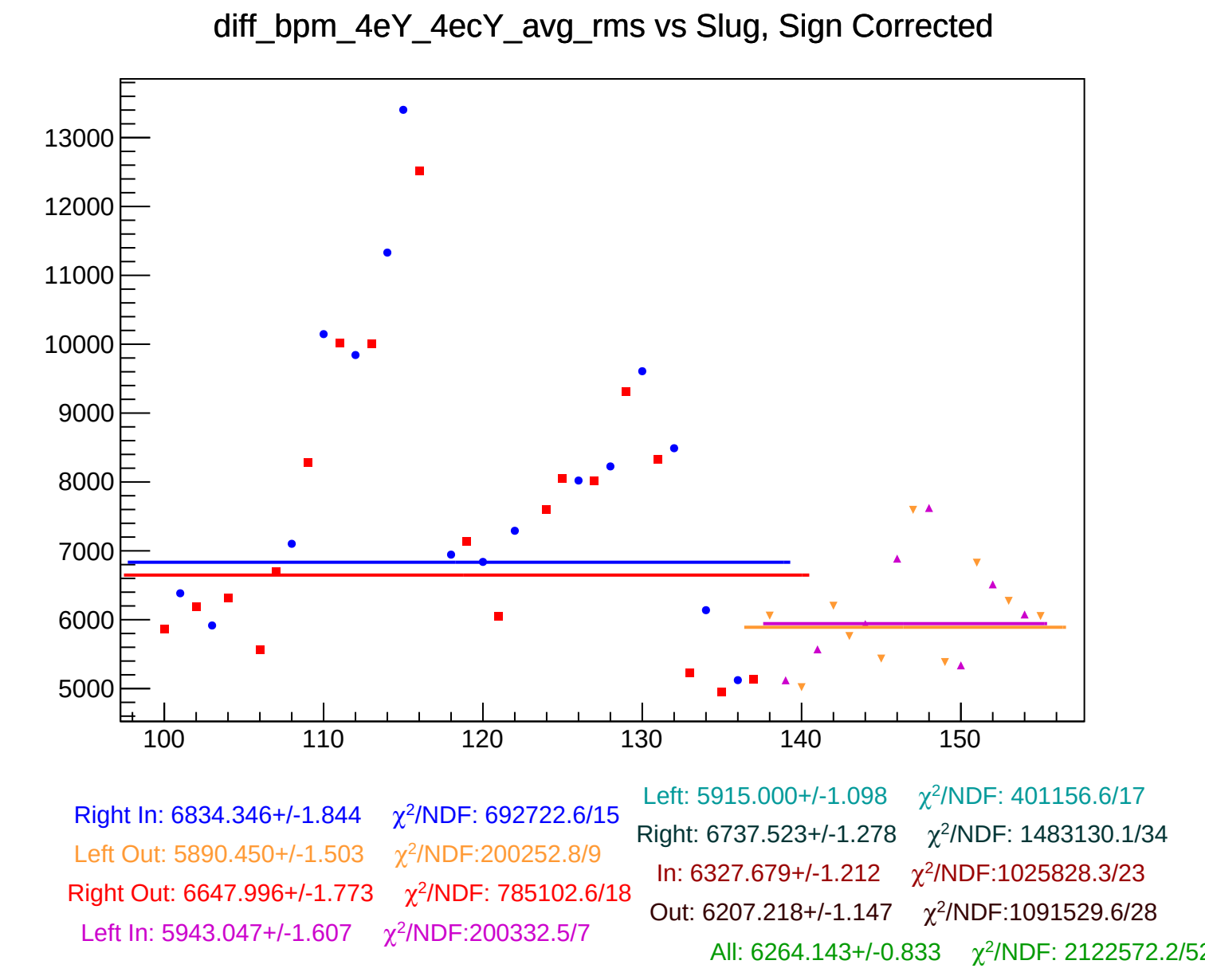
Left: 0.627+/-1.553 χ^2/NDF: 23.5/17

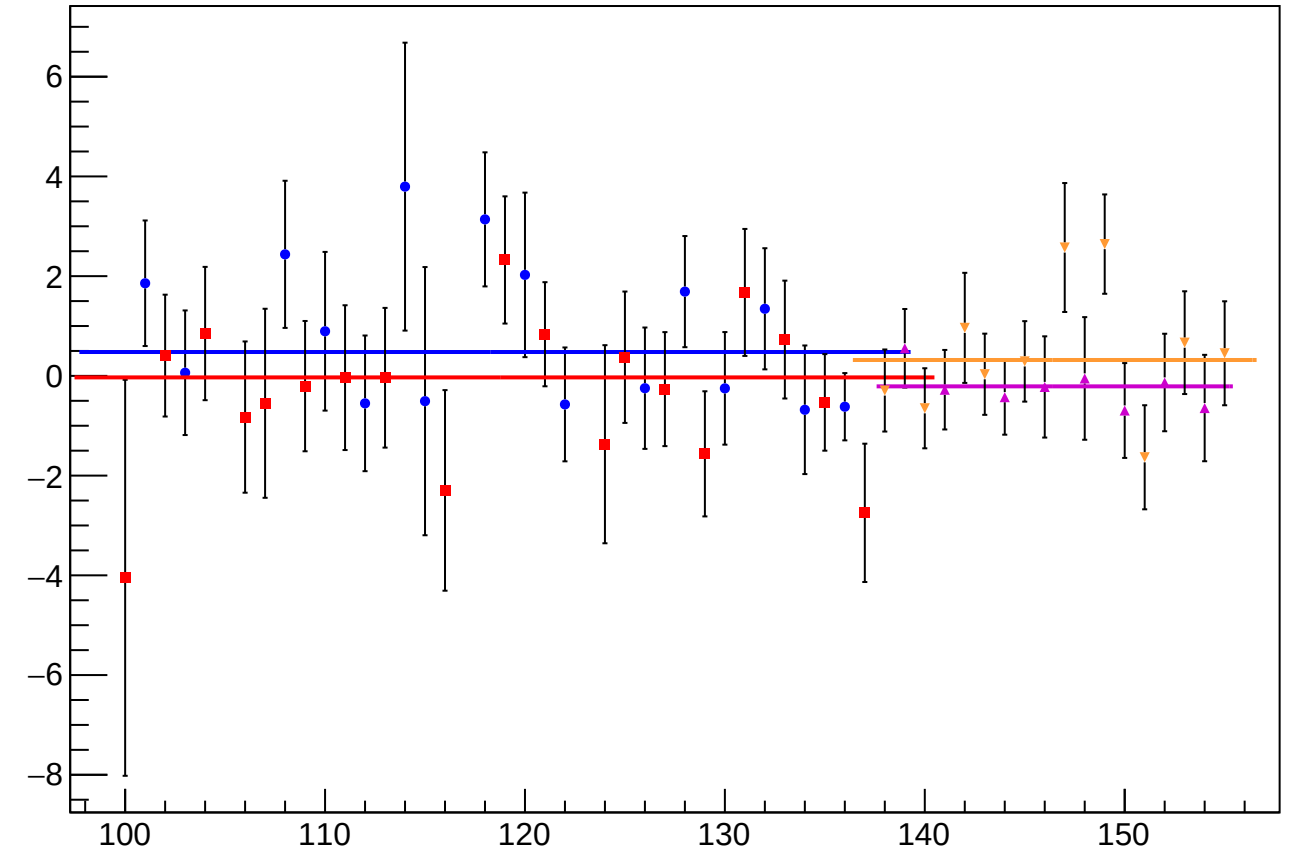
Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -3.073+/-1.713 χ^2/NDF:27.9/23

Out: -0.091+/-1.622 χ^2/NDF:29.4/28

All: -1.500+/-1.178 χ^2/NDF: 59.0/52


diff_bpm_4eY_4ecY_avg_rms vs Slug, Sign Corrected
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
Right In: 6834.346+/-1.844 χ²/NDF: 692722.6/15
Left Out: 5890.450+/-1.503 χ²/NDF:200252.8/9
Right Out: 6647.996+/-1.773 χ²/NDF: 785102.6/18
Left In: 5943.047+/-1.607 χ²/NDF:200332.5/7
Left: 5915.000+/-1.098 χ²/NDF: 401156.6/17
Right: 6737.523+/-1.278 χ²/NDF: 1483130.1/34
In: 6327.679+/-1.212 χ²/NDF:1025828.3/23
Out: 6207.218+/-1.147 χ²/NDF:1091529.6/28
All: 6264.143+/-0.833 χ²/NDF: 2122572.2/52



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.319+/-0.298 χ^2/NDF:14.6/9

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.210+/-0.323 χ^2/NDF:1.5/7

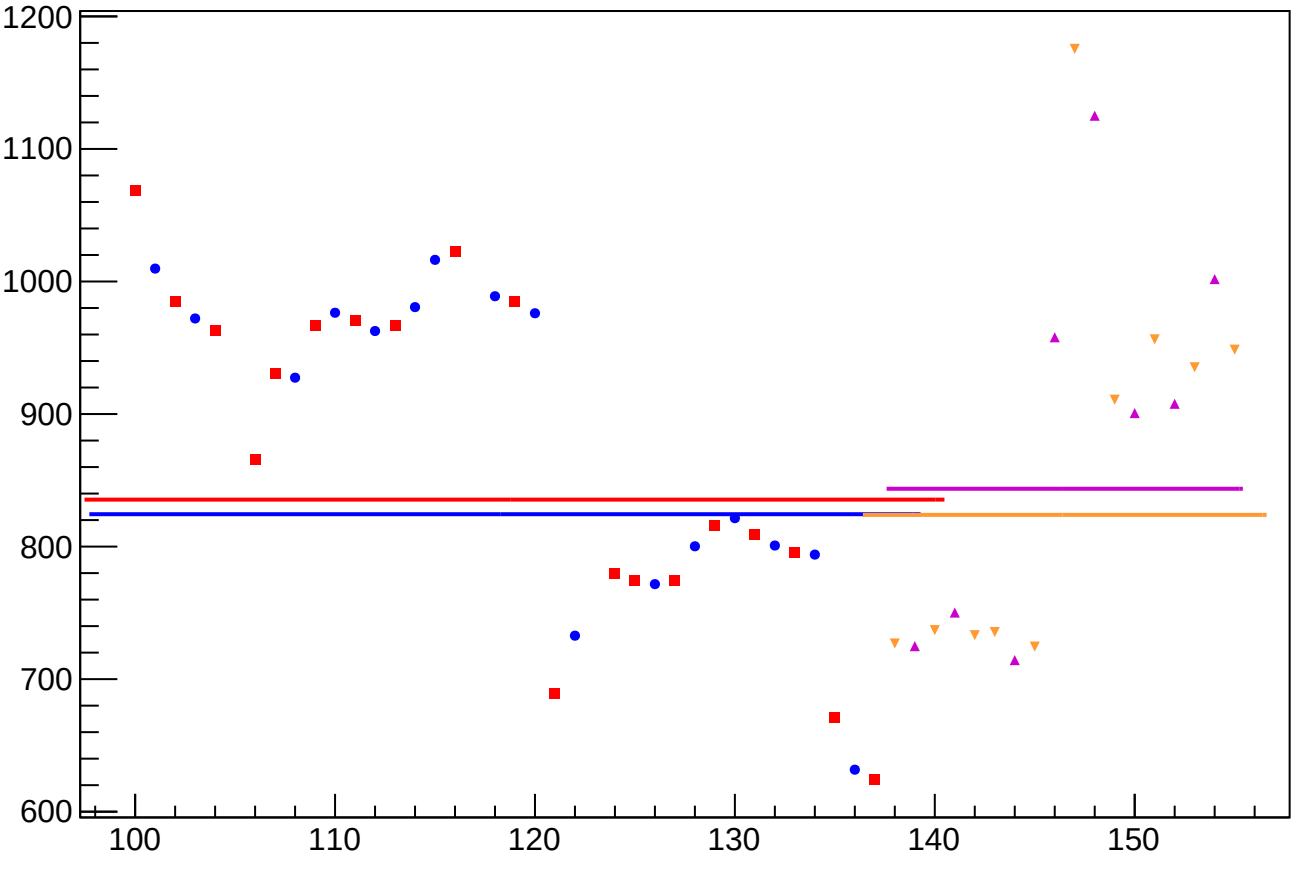
Left: 0.075+/-0.219 χ^2/NDF: 17.5/17

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.147+/-0.224 χ^2/NDF:20.6/23

Out: 0.150+/-0.214 χ^2/NDF:31.0/28

All: 0.149+/-0.155 χ^2/NDF: 51.5/52



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 823.945+/-0.211 χ^2/NDF:365900.4/9

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 843.631+/-0.228 χ^2/NDF:321732.3/7

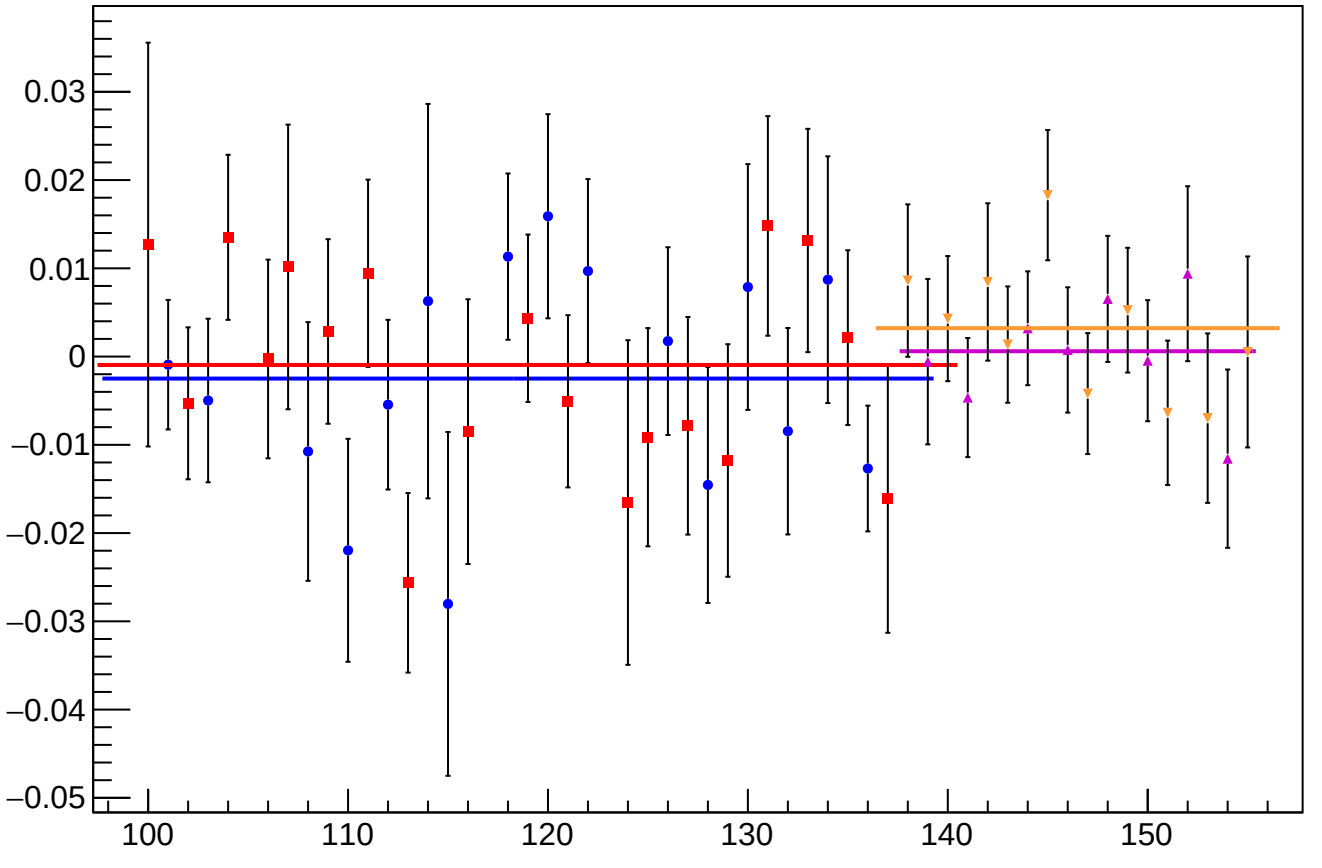
Left: 833.002+/-0.155 χ^2/NDF: 691654.3/17

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 833.674+/-0.158 χ^2/NDF:690868.6/23

Out: 829.487+/-0.152 χ^2/NDF:686638.9/28

All: 831.489+/-0.109 χ^2/NDF: 1377872.7/52



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.003+/-0.002 χ^2/NDF:8.8/9

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.001+/-0.003 χ^2/NDF:3.7/7

Left: 0.002+/-0.002 χ^2/NDF: 13.1/17

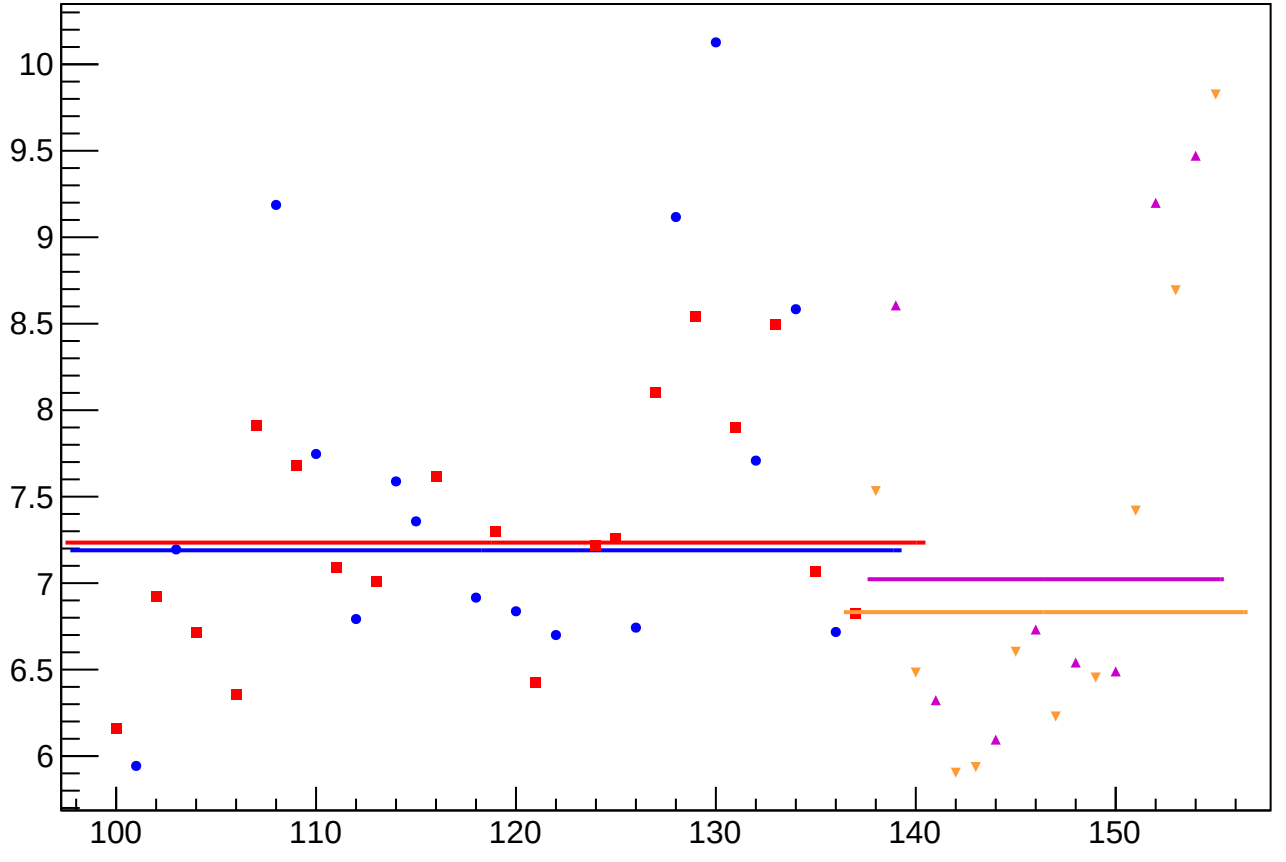
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.001+/-0.002 χ^2/NDF:19.7/23

Out: 0.001+/-0.002 χ^2/NDF:27.4/28

All: 0.000+/-0.001 χ^2/NDF: 47.8/52

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.832+/-0.002 χ^2/NDF:338141.8/9

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.023+/-0.002 χ^2/NDF:358363.2/7

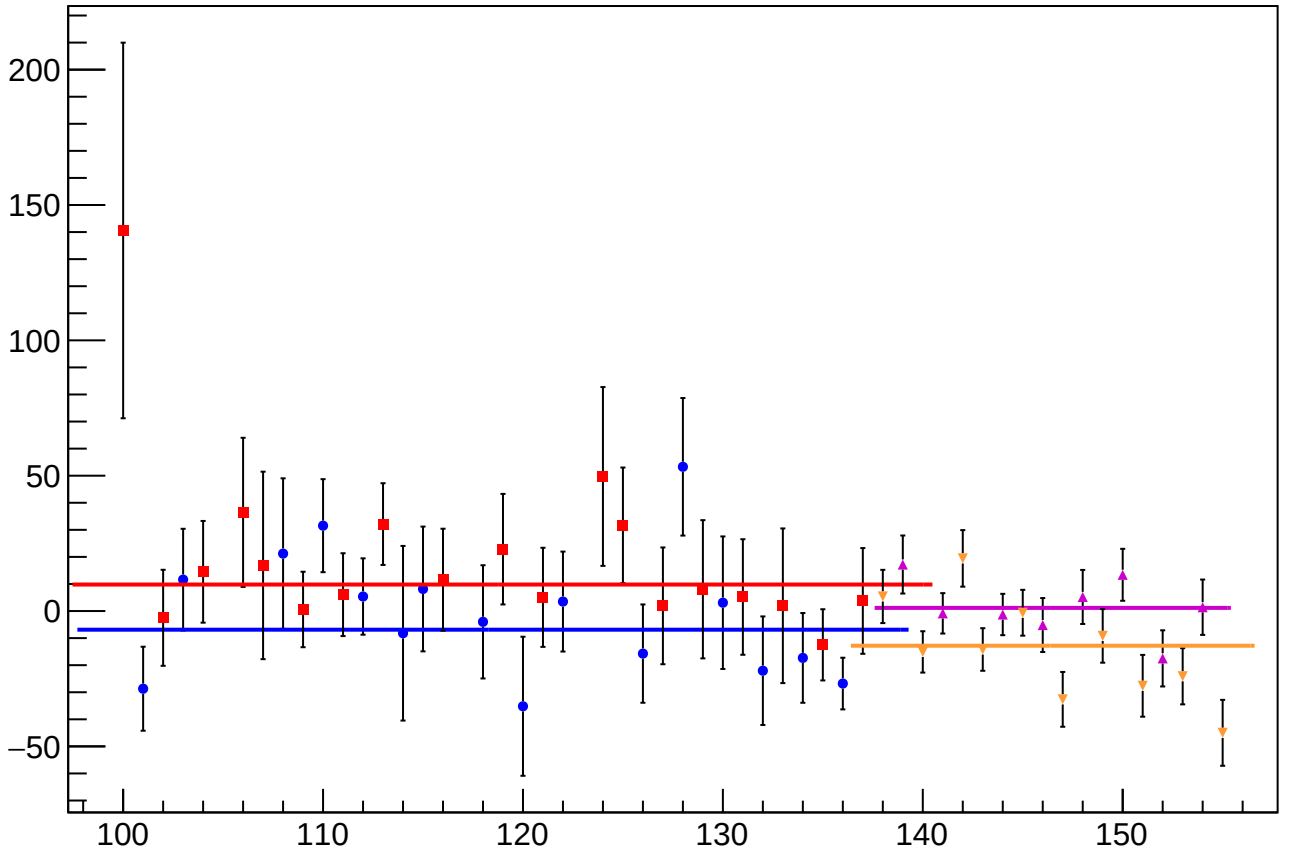
Left: 6.920+/-0.001 χ^2/NDF: 701920.1/17

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.106+/-0.001 χ^2/NDF:639834.1/23

Out: 7.019+/-0.001 χ^2/NDF:468891.0/28

All: 7.060+/-0.001 χ^2/NDF: 1110883.7/52



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -12.808+/-3.009 χ^2/NDF:29.0/9

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 1.163+/-3.268 χ^2/NDF:7.8/7

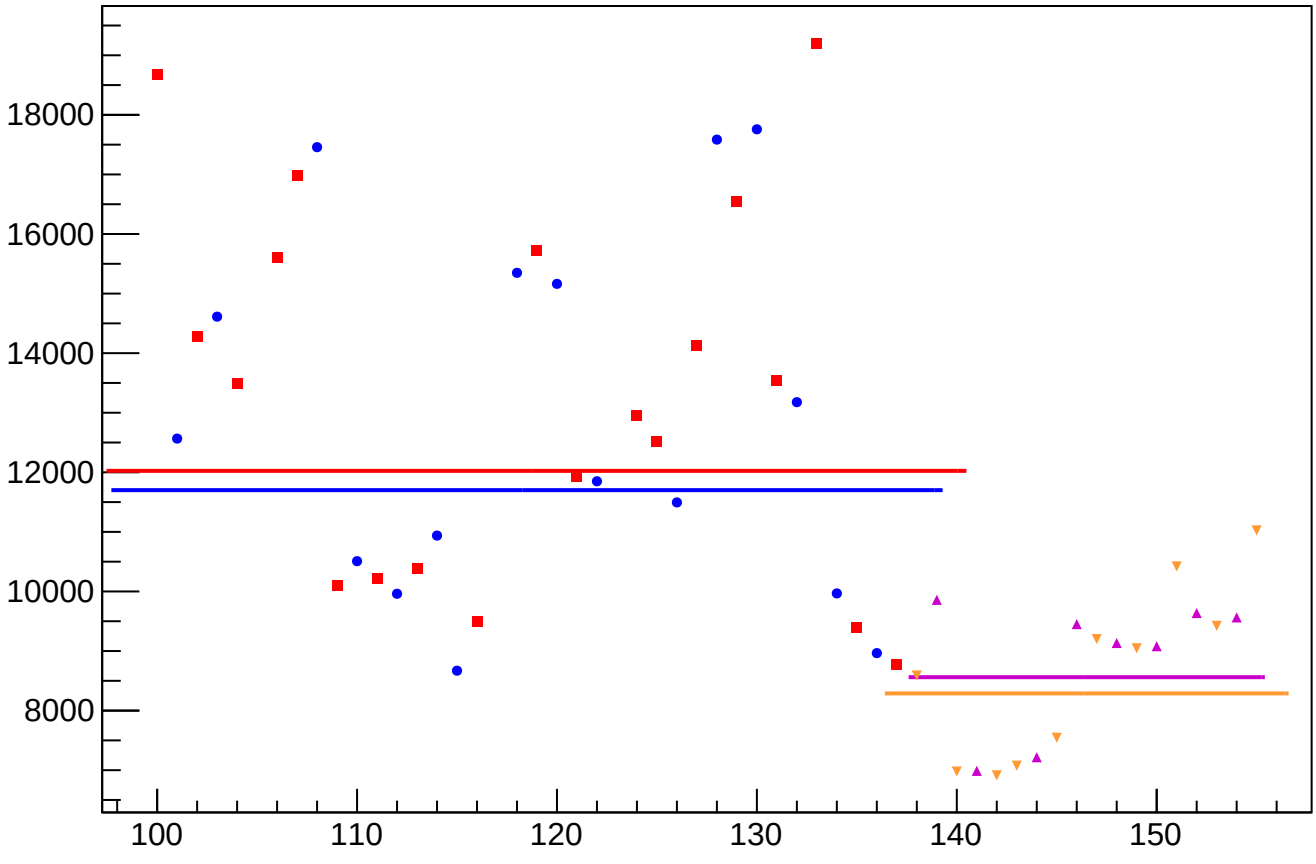
Left: -6.398+/-2.214 χ^2/NDF: 46.7/17

Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -1.628+/-2.642 χ^2/NDF:33.0/23

Out: -5.862+/-2.504 χ^2/NDF:60.3/28

All: -3.858+/-1.818 χ^2/NDF: 94.6/52



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8288.527+/-2.128 χ^2/NDF:381146.0/9

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8561.058+/-2.311 χ^2/NDF:249288.9/7

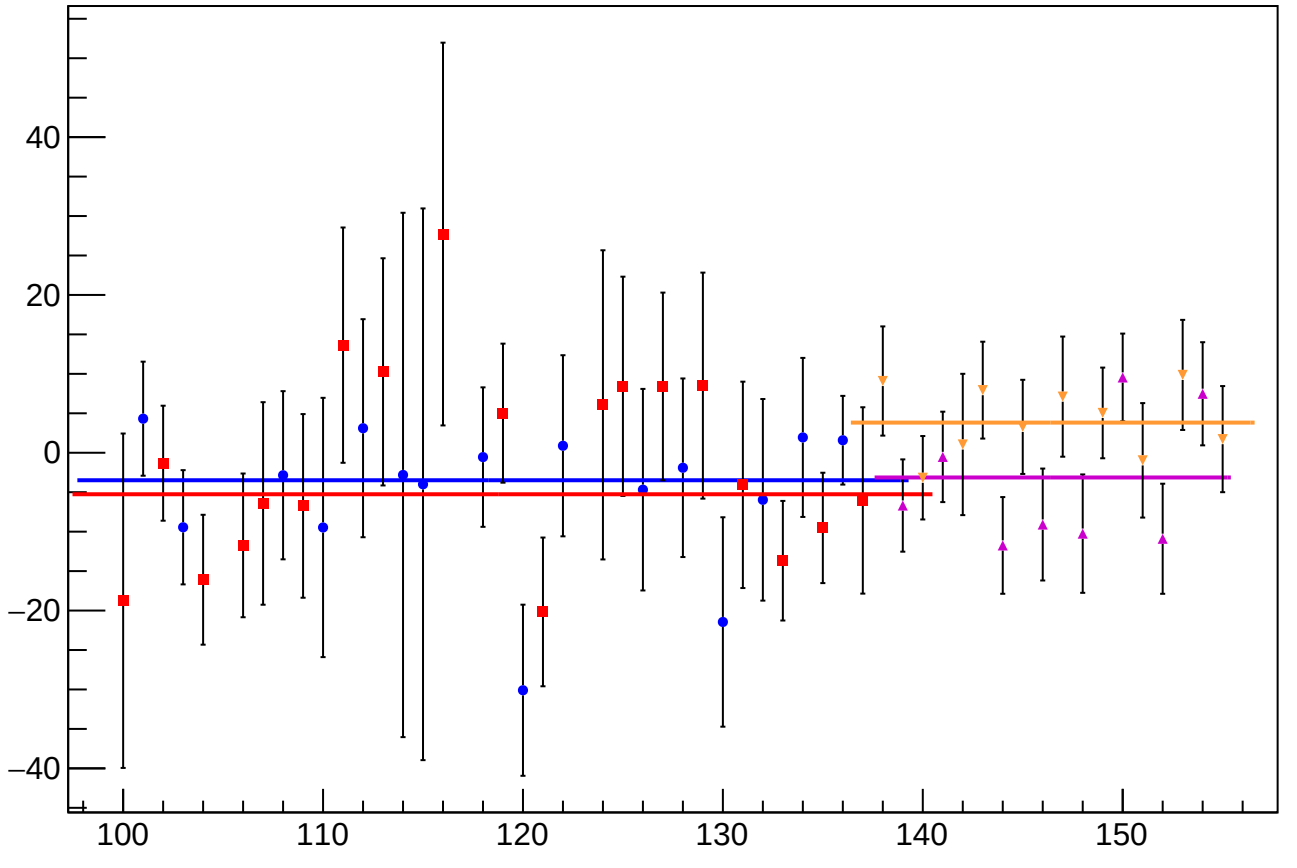
Left: 8413.565+/-1.565 χ^2/NDF: 637961.2/17

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9648.931+/-1.868 χ^2/NDF:1628972.1/23

Out: 9436.741+/-1.771 χ^2/NDF:2013306.0/28

All: 9537.166+/-1.285 χ^2/NDF: 3649073.0/52



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.822+/-2.072 χ^2/NDF:4.4/9

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -3.133+/-2.234 χ^2/NDF:13.2/7

Left: 0.606+/-1.519 χ^2/NDF: 22.8/17

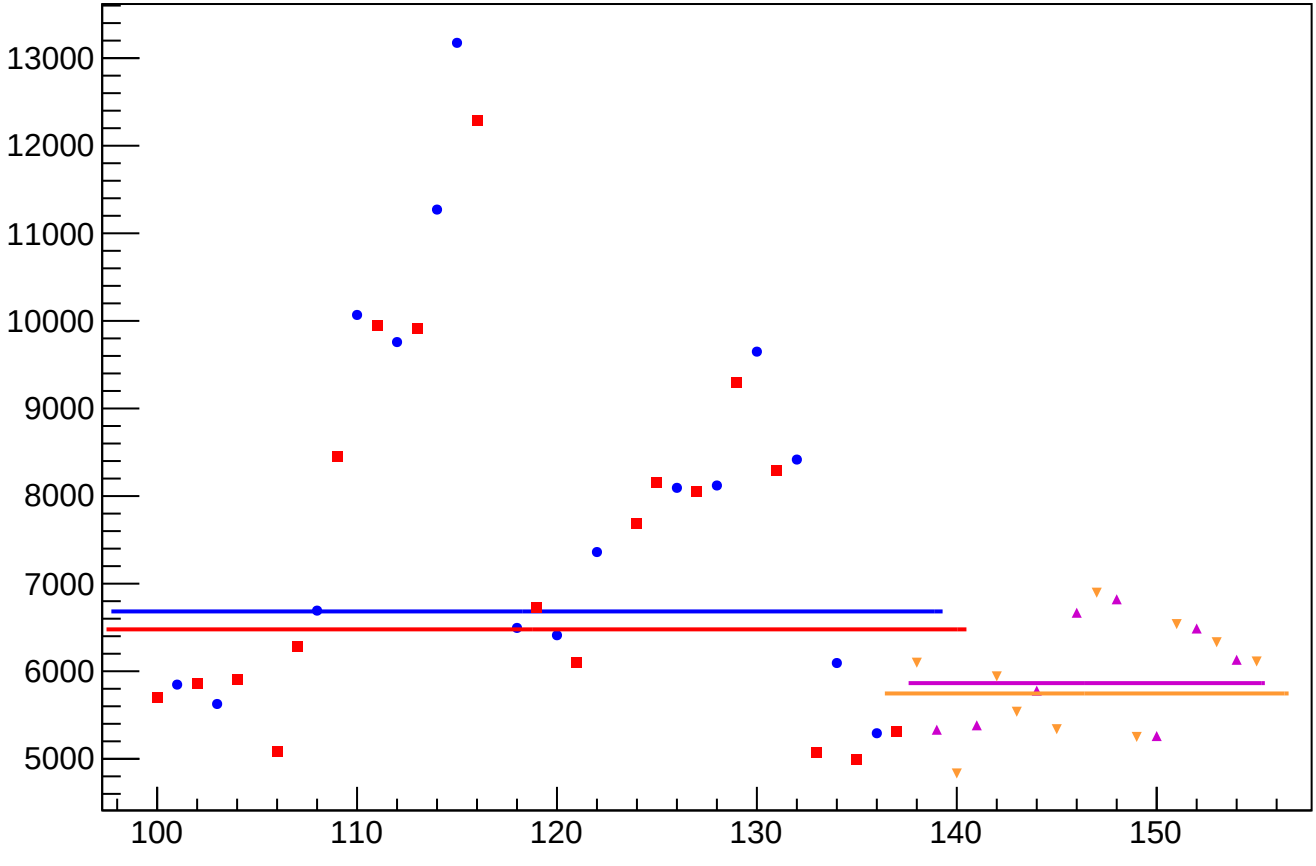
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -3.286+/-1.680 χ^2/NDF:24.7/23

Out: 0.029+/-1.581 χ^2/NDF:29.0/28

All: -1.528+/-1.151 χ^2/NDF: 55.8/52

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5746.371+/-1.465 χ^2/NDF:181808.5/9

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5864.475+/-1.580 χ^2/NDF:132237.1/7

Left: 5800.969+/-1.074 χ^2/NDF: 317050.2/17

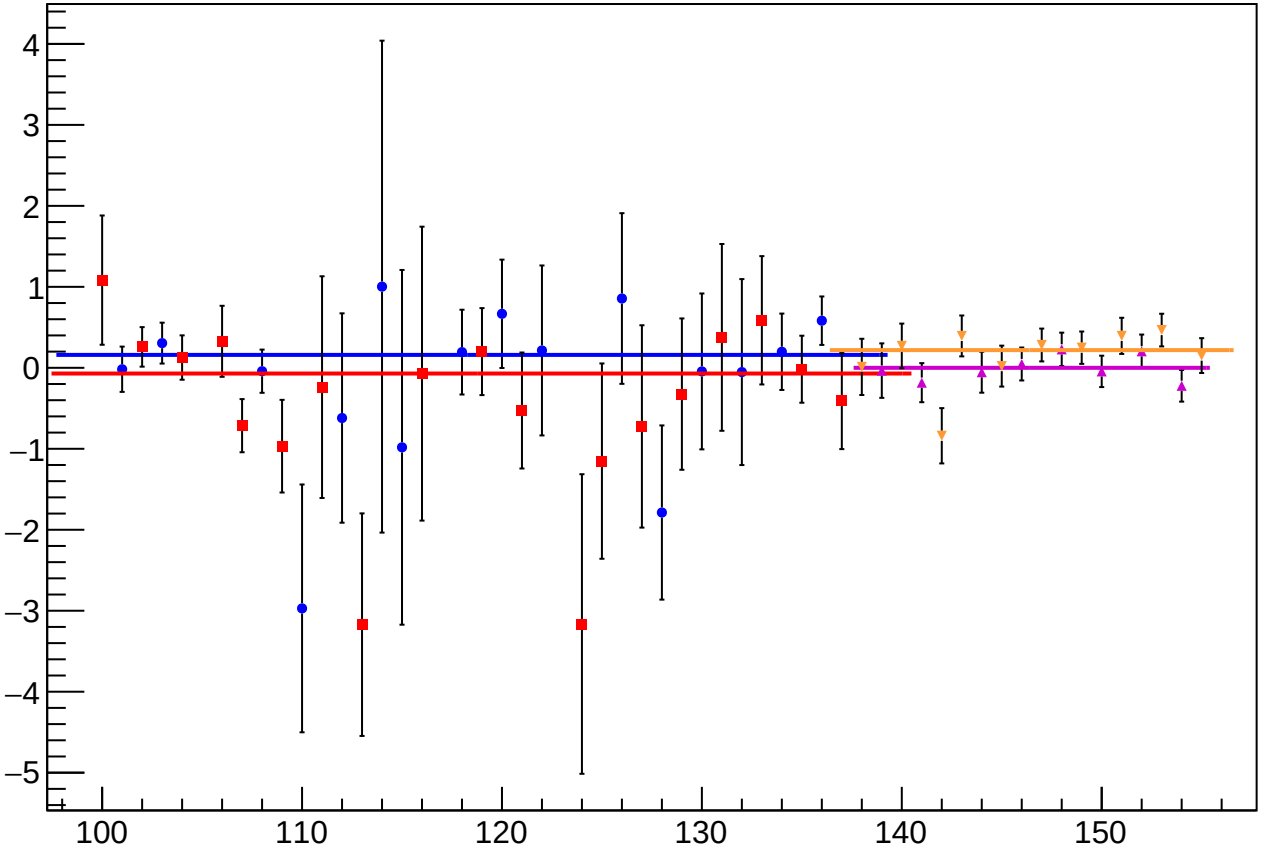
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6220.037+/-1.188 χ^2/NDF:941020.1/23

Out: 6052.003+/-1.118 χ^2/NDF:1125243.3/28

All: 6130.901+/-0.814 χ^2/NDF: 2076871.3/52

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.219+/-0.075 χ^2/NDF:13.4/9

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.000+/-0.078 χ^2/NDF:4.2/7

Left: 0.113+/-0.054 χ^2/NDF: 21.8/17

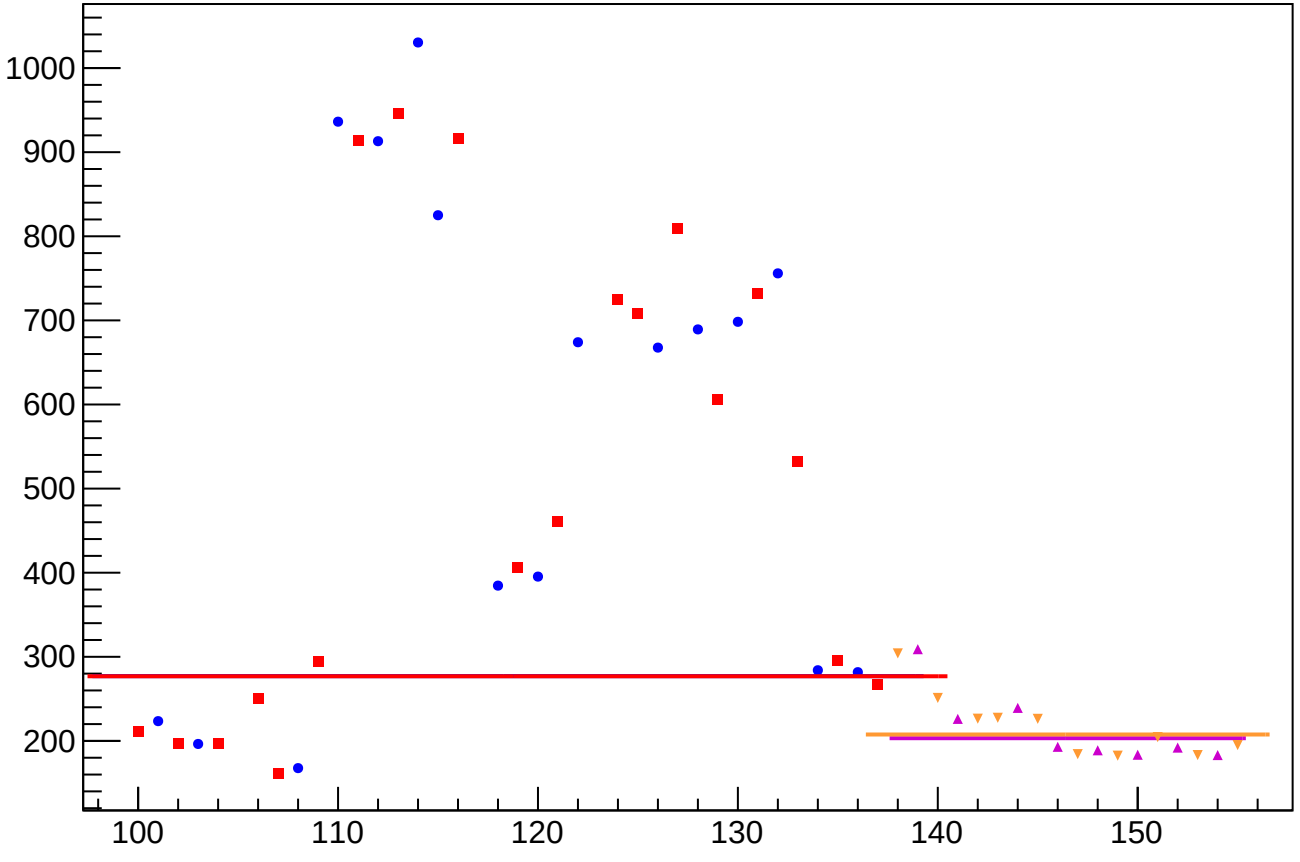
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.047+/-0.065 χ^2/NDF:18.1/23

Out: 0.137+/-0.064 χ^2/NDF:40.1/28

All: 0.093+/-0.046 χ^2/NDF: 59.1/52

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 207.625+/-0.053 χ^2/NDF:328542.0/9

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 203.226+/-0.055 χ^2/NDF:319024.1/7

Left: 205.500+/-0.038 χ^2/NDF: 650876.9/17

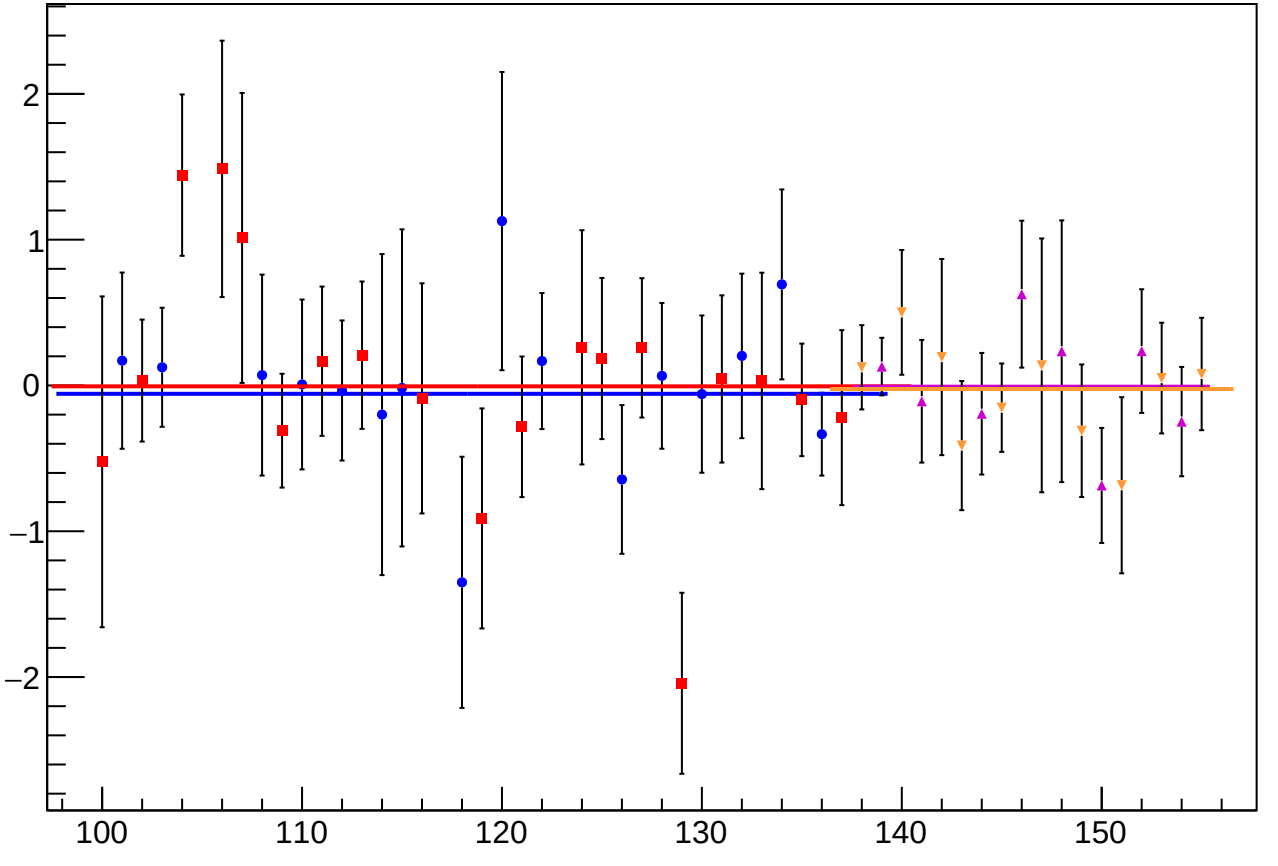
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 225.139+/-0.046 χ^2/NDF:4304971.0/23

Out: 227.194+/-0.045 χ^2/NDF:4380256.5/28

All: 226.191+/-0.032 χ^2/NDF: 8686245.4/52

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: -0.024+/-0.131 χ^2/NDF:4.6/9

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.008+/-0.128 χ^2/NDF:6.1/7

Left: -0.016+/-0.091 χ^2/NDF: 10.7/17

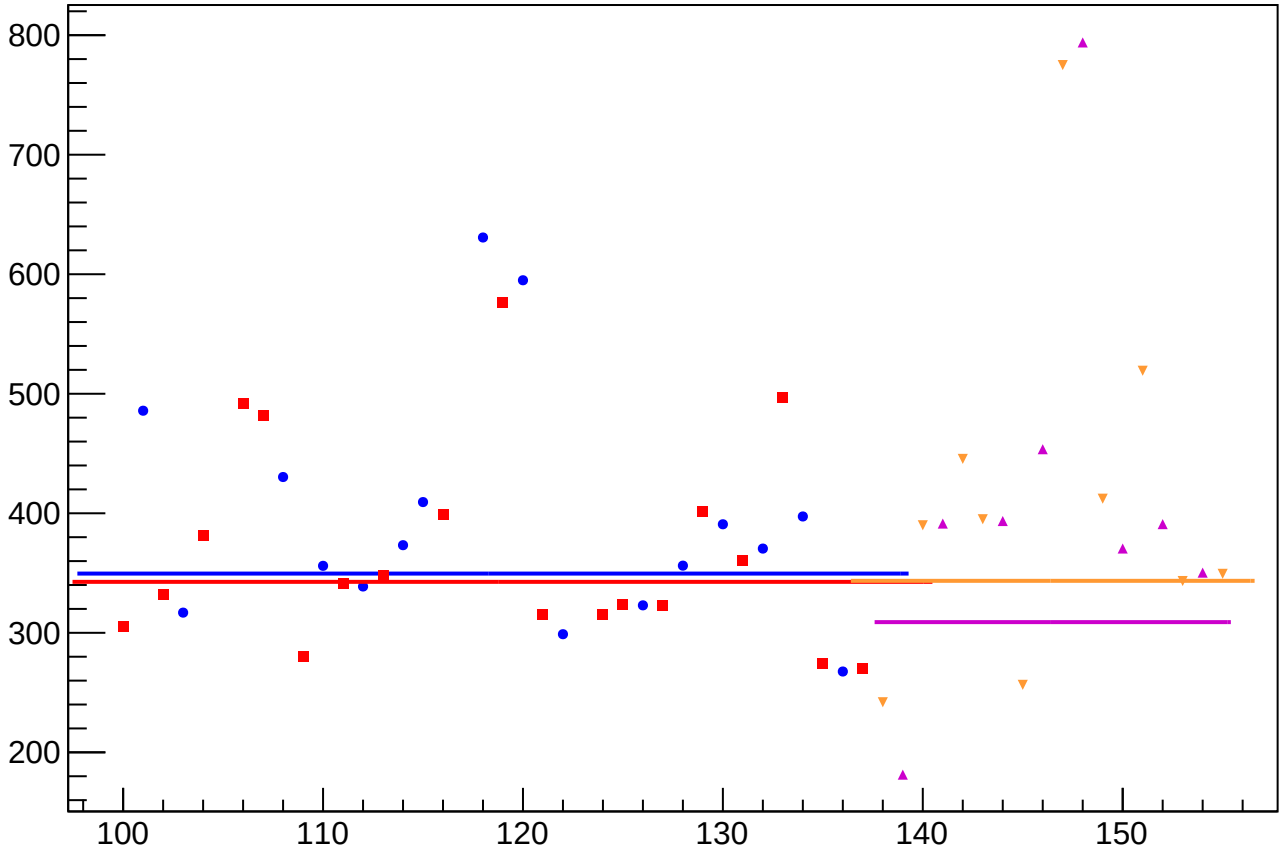
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.032+/-0.092 χ^2/NDF:14.3/23

Out: -0.015+/-0.092 χ^2/NDF:29.7/28

All: -0.023+/-0.065 χ^2/NDF: 44.0/52

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 343.497+/-0.093 χ^2/NDF:1215569.9/9

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 308.943+/-0.090 χ^2/NDF:1890156.1/7

Left: 325.769+/-0.065 χ^2/NDF: 3177014.5/17

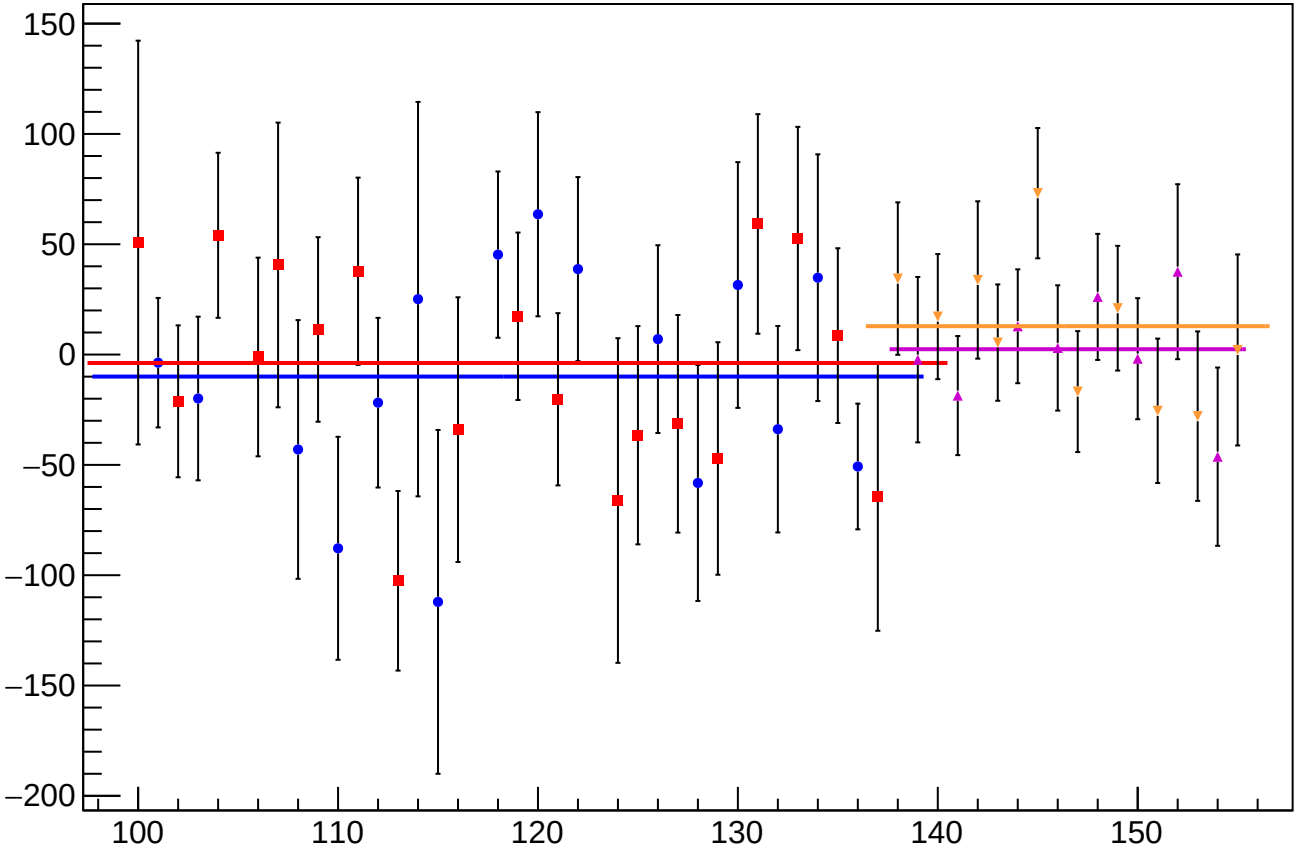
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 328.307+/-0.065 χ^2/NDF:2685893.8/23

Out: 343.062+/-0.065 χ^2/NDF:1791373.1/28

All: 335.722+/-0.046 χ^2/NDF: 4502903.0/52

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 12.862+/-9.911 χ^2/NDF:8.8/9

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 2.422+/-10.766 χ^2/NDF:3.7/7

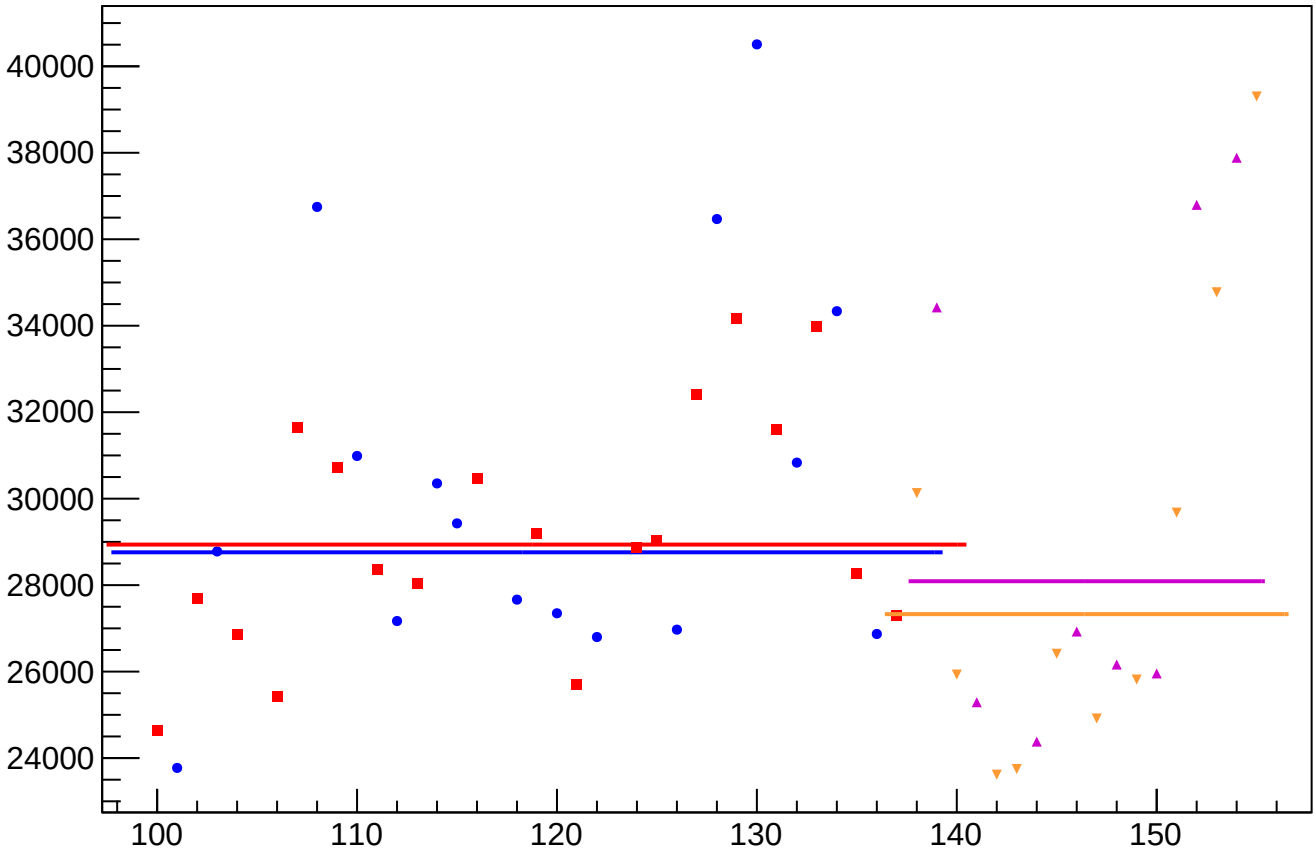
Left: 8.073+/-7.292 χ^2/NDF: 13.1/17

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -3.733+/-7.637 χ^2/NDF:19.7/23

Out: 5.112+/-7.251 χ^2/NDF:27.4/28

All: 0.919+/-5.259 χ^2/NDF: 47.8/52



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27329.112+/-7.008 χ^2/NDF:338141.8/9

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28090.544+/-7.613 χ^2/NDF:358363.2/7

Left: 27678.393+/-5.156 χ^2/NDF: 701920.1/17

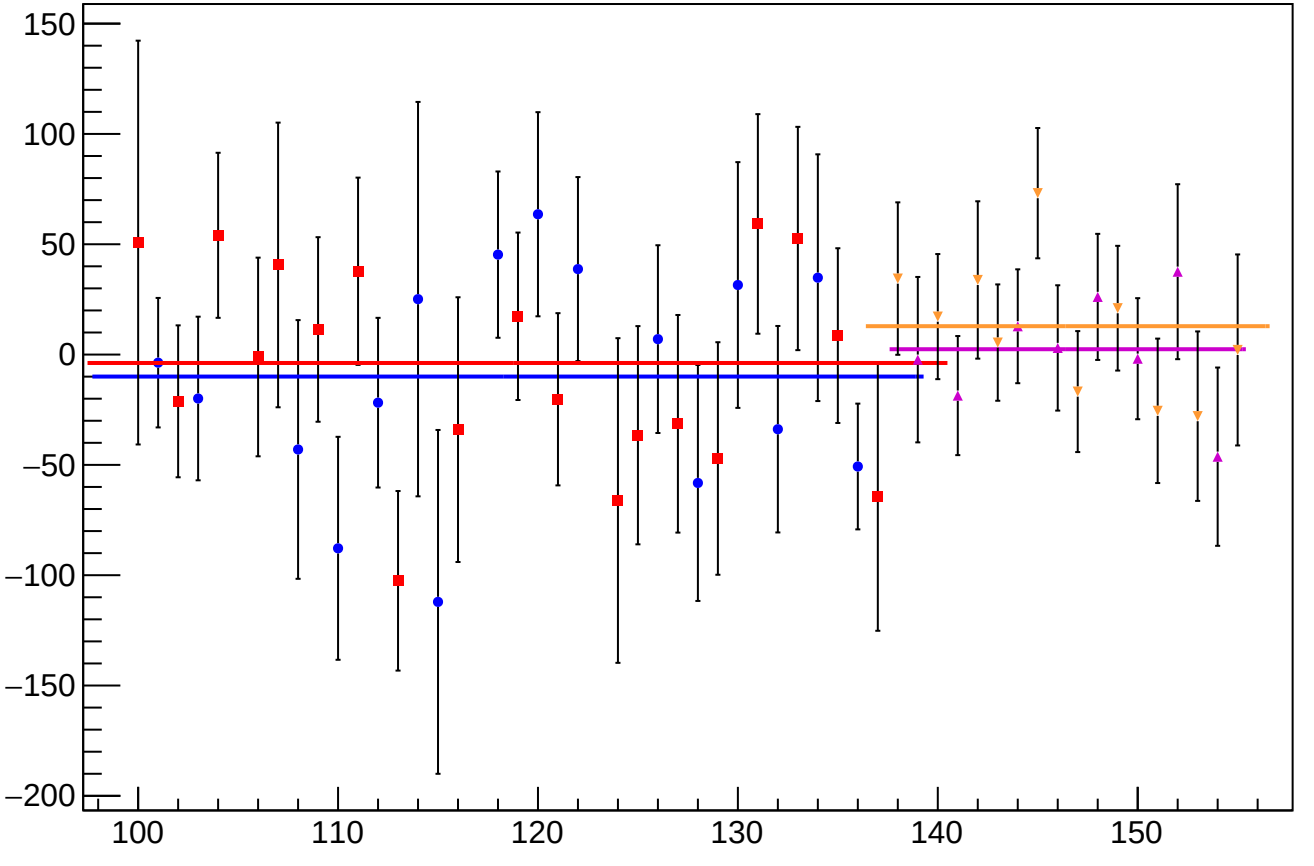
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28422.643+/-5.400 χ^2/NDF:639834.1/23

Out: 28076.665+/-5.127 χ^2/NDF:468891.0/28

All: 28240.678+/-3.718 χ^2/NDF: 1110883.7/5

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 12.862+/-9.911 χ^2/NDF:8.8/9

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 2.422+/-10.766 χ^2/NDF:3.7/7

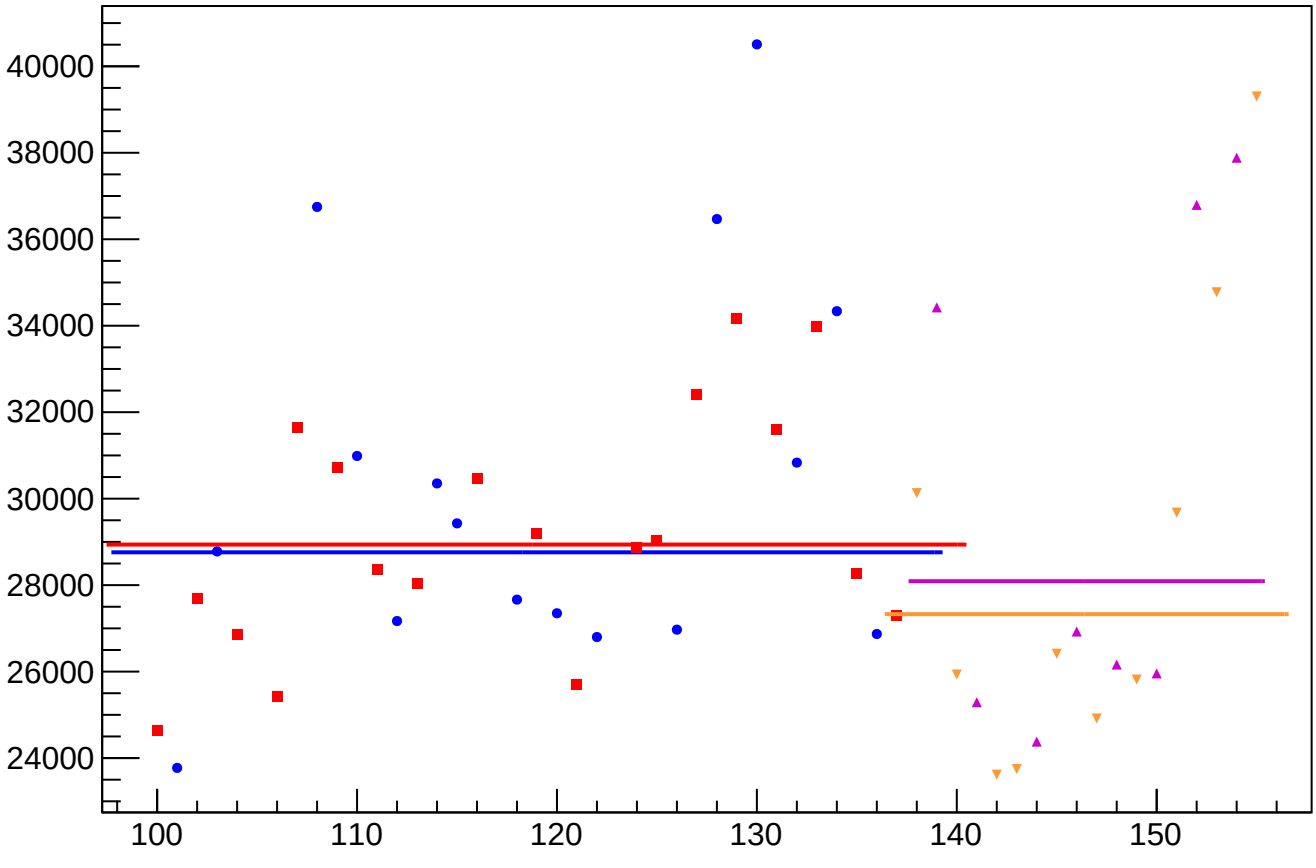
Left: 8.073+/-7.292 χ^2/NDF: 13.1/17

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -3.733+/-7.637 χ^2/NDF:19.7/23

Out: 5.112+/-7.251 χ^2/NDF:27.4/28

All: 0.919+/-5.259 χ^2/NDF: 47.8/52



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 27329.112+/-7.008 χ^2/NDF:338141.8/9

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 28090.544+/-7.613 χ^2/NDF:358363.2/7

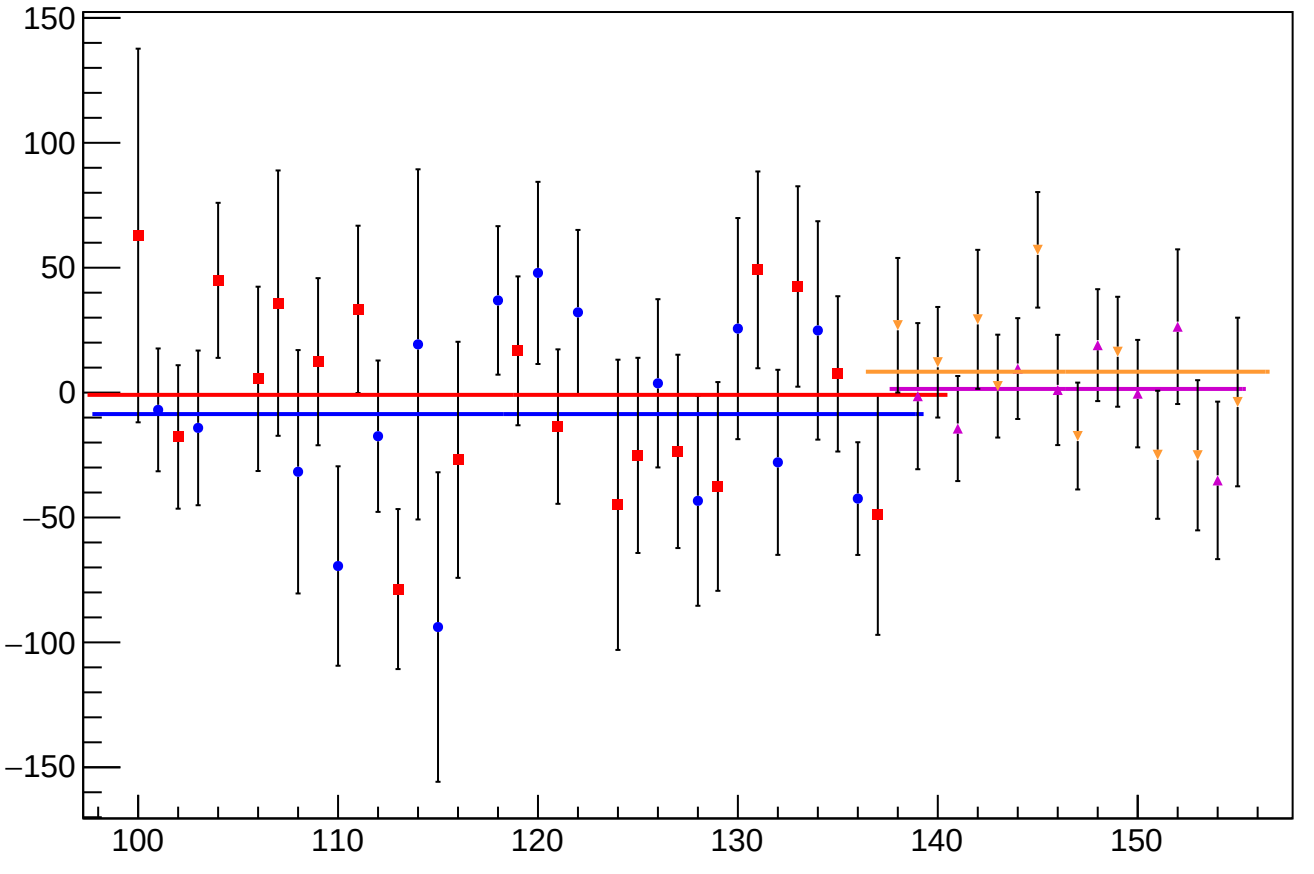
Left: 27678.393+/-5.156 χ^2/NDF: 701920.1/17

Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28422.643+/-5.400 χ^2/NDF:639834.1/23

Out: 28076.665+/-5.127 χ^2/NDF:468891.0/28

All: 28240.678+/-3.718 χ^2/NDF: 1110883.7/5



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 8.361+/-7.739 χ^2/NDF:10.2/9

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 1.464+/-8.409 χ^2/NDF:3.4/7

Left: 5.198+/-5.694 χ^2/NDF: 14.0/17

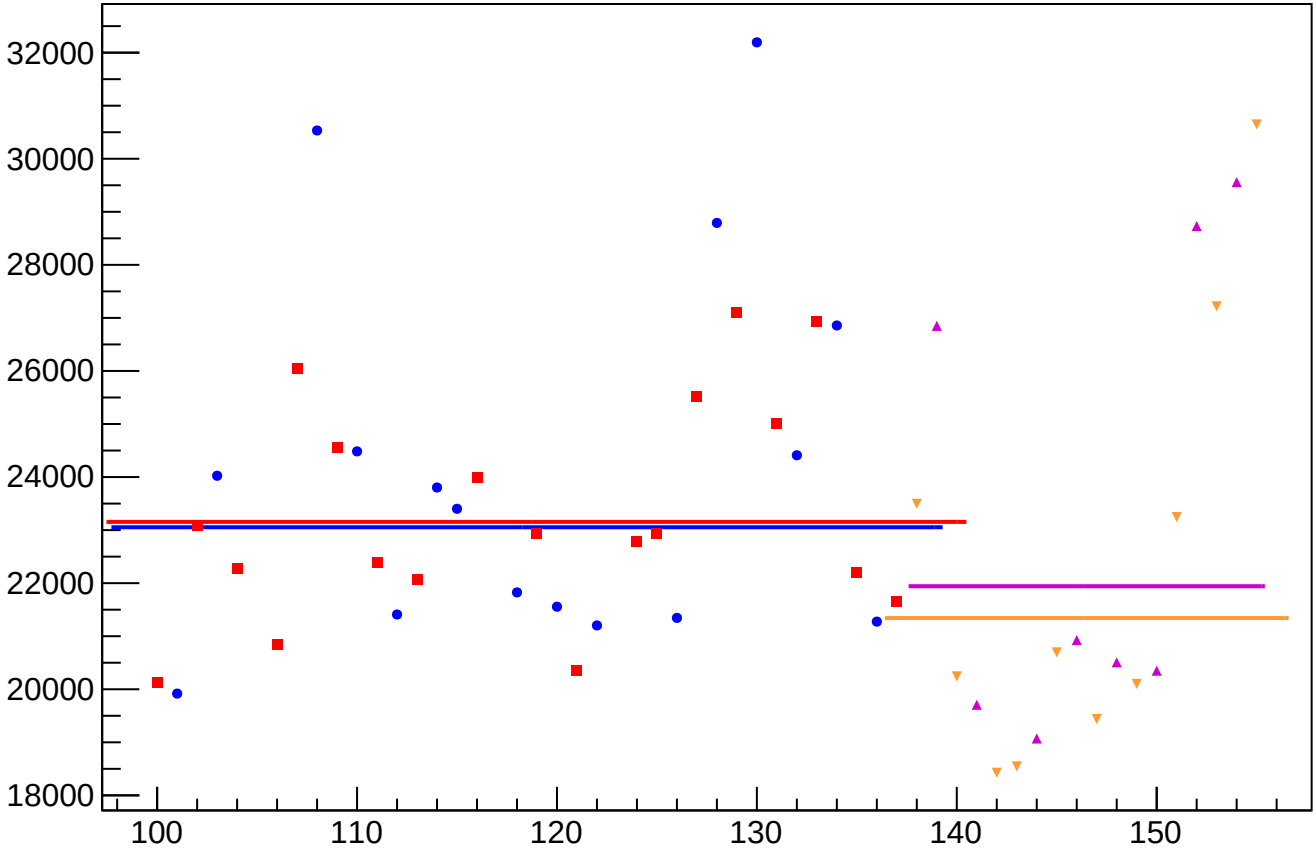
Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

In: -3.409+/-6.039 χ^2/NDF:19.6/23

Out: 4.165+/-5.724 χ^2/NDF:28.5/28

All: 0.581+/-4.155 χ^2/NDF: 48.9/52

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 21342.068+/-5.472 χ^2/NDF:339703.9/9

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 21942.596+/-5.946 χ^2/NDF:355637.3/7

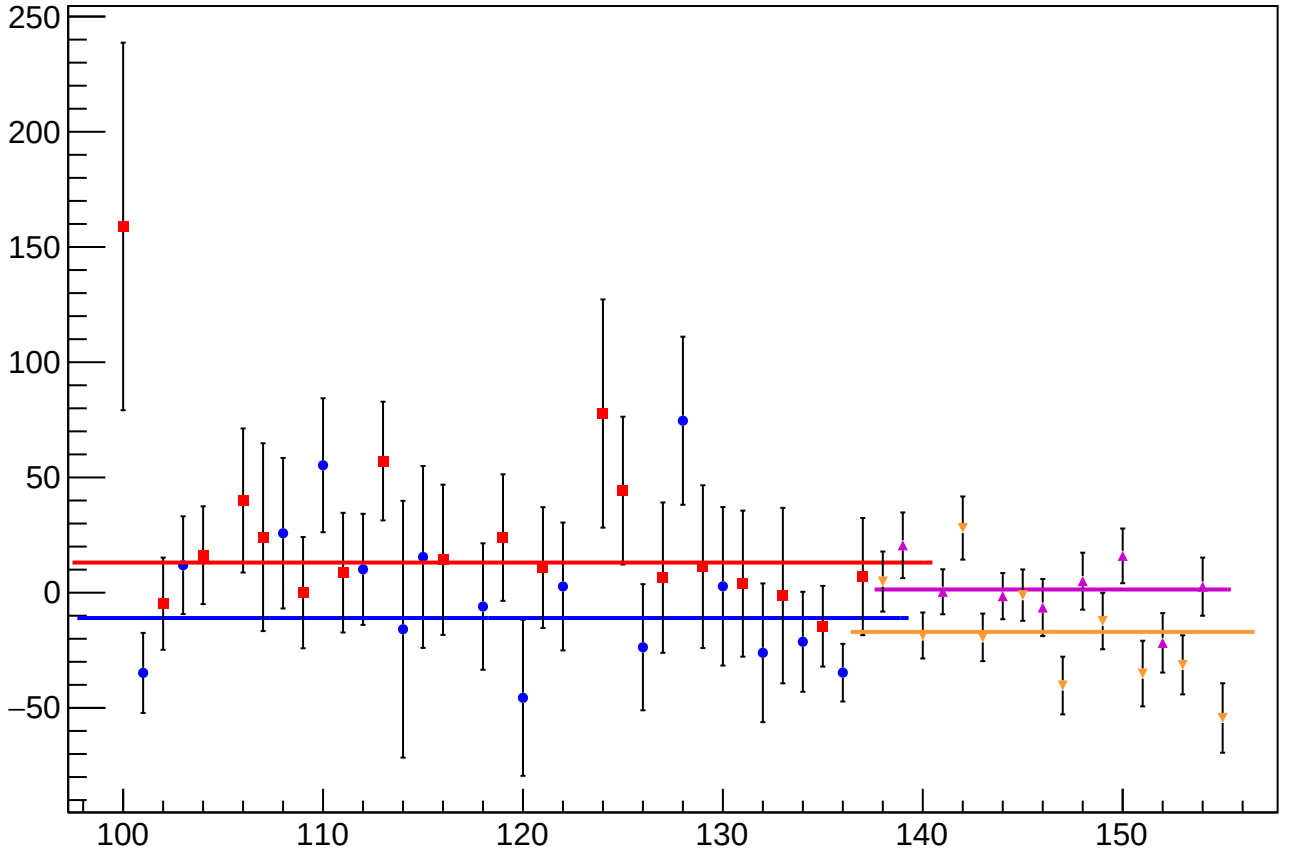
Left: 21617.459+/-4.027 χ^2/NDF: 700863.8/17

Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 22480.738+/-4.270 χ^2/NDF:633997.1/23

Out: 22163.264+/-4.048 χ^2/NDF:483319.2/28

All: 22313.511+/-2.938 χ^2/NDF: 1120227.7/5



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -17.009+/-3.857 χ^2/NDF:28.4/9

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 1.380+/-4.158 χ^2/NDF:7.1/7

Left: -8.505+/-2.828 χ^2/NDF: 46.0/17

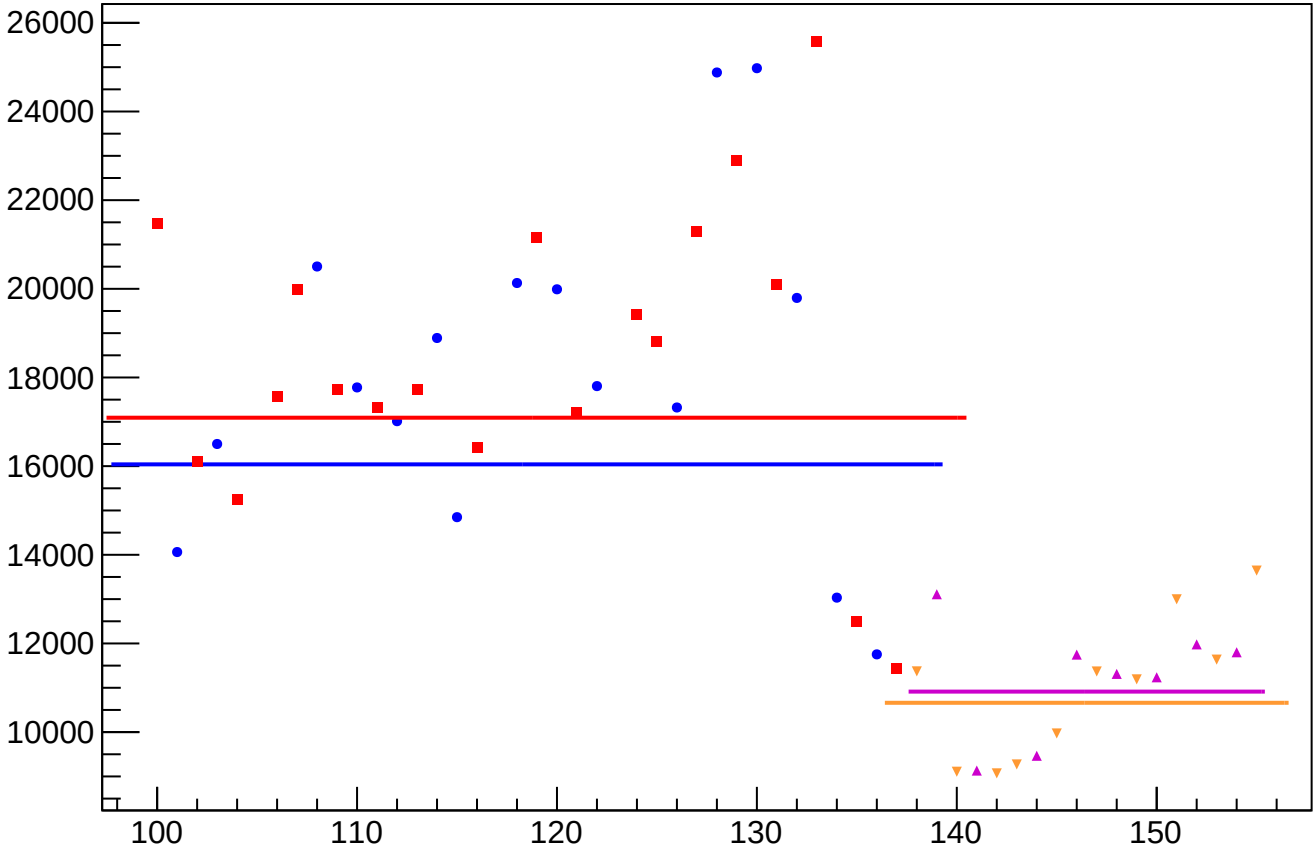
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -2.501+/-3.446 χ^2/NDF:31.9/23

Out: -8.962+/-3.301 χ^2/NDF:58.5/28

All: -5.870+/-2.384 χ^2/NDF: 92.3/52

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10661.441+/-2.727 χ^2/NDF:279458.4/9

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10913.670+/-2.940 χ^2/NDF:192130.5/7

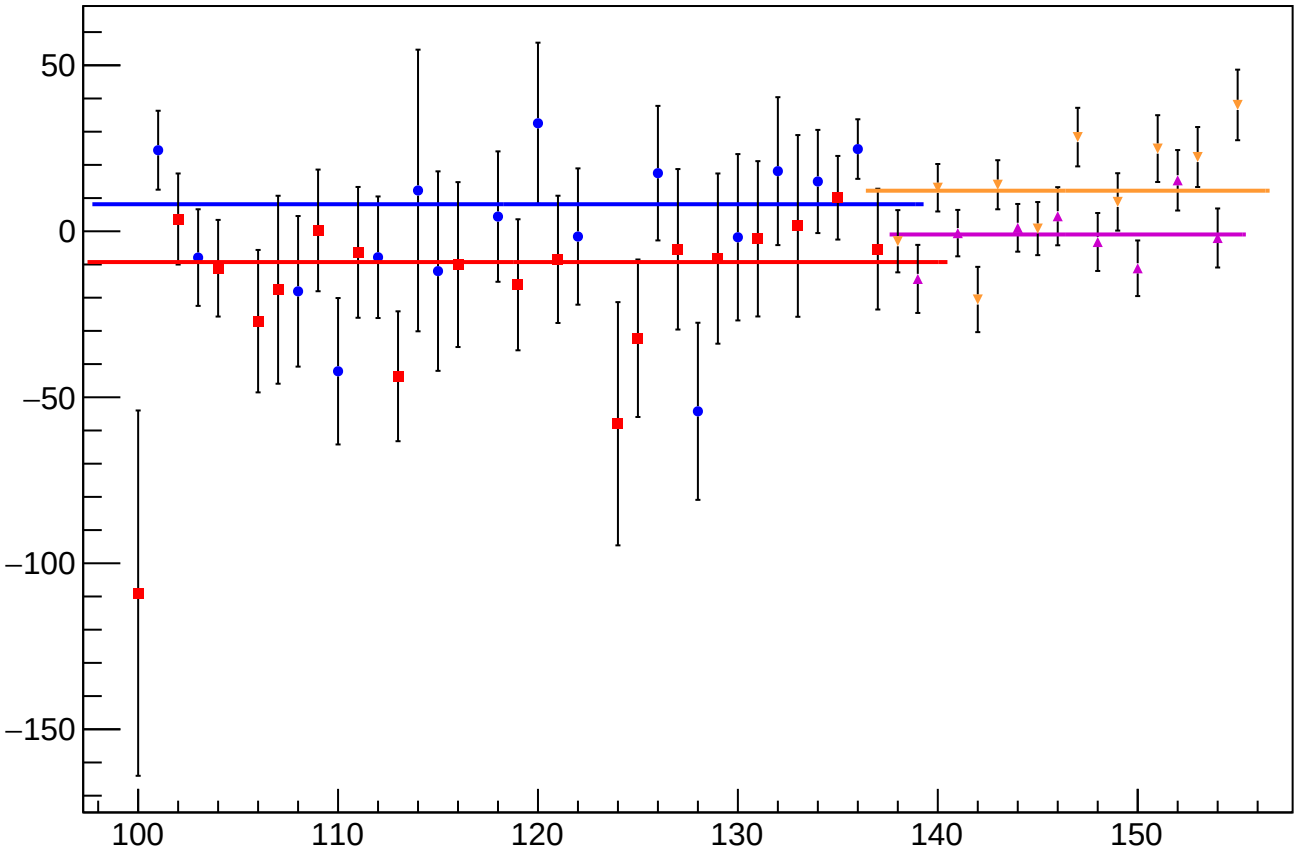
Left: 10778.092+/-2.000 χ^2/NDF: 475544.4/17

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

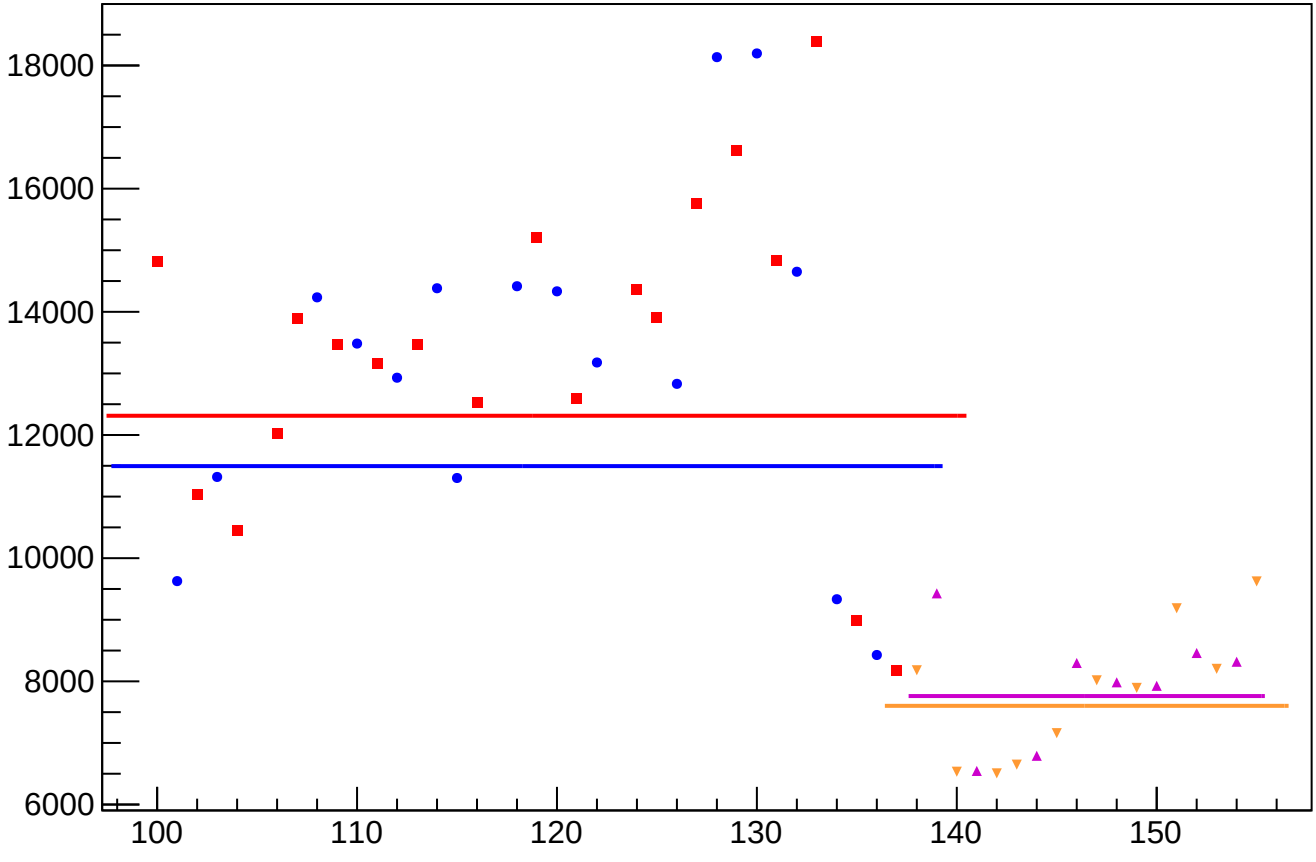
In: 12520.224+/-2.436 χ^2/NDF:1867432.0/23

Out: 12382.065+/-2.334 χ^2/NDF:2302564.5/28

All: 12448.185+/-1.685 χ^2/NDF: 4171673.1/5


diff_bpm4aediffX_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
Right In: 8.150+/-4.423 χ²/NDF: 21.8/15
Left Out: 12.225+/-2.748 χ²/NDF:28.1/9
Right Out: -9.270+/-4.607 χ²/NDF: 13.9/18
Left In: -0.959+/-2.956 χ²/NDF:6.9/7
Left: 6.113+/-2.013 χ²/NDF: 45.7/17
Right: -0.204+/-3.191 χ²/NDF: 43.1/34
In: 1.854+/-2.458 χ²/NDF:31.7/23
Out: 6.585+/-2.360 χ²/NDF:58.0/28
All: 4.315+/-1.702 χ²/NDF: 91.6/52

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7602.400+/-1.943 χ^2/NDF:254100.9/9

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7761.412+/-2.090 χ^2/NDF:179084.6/7

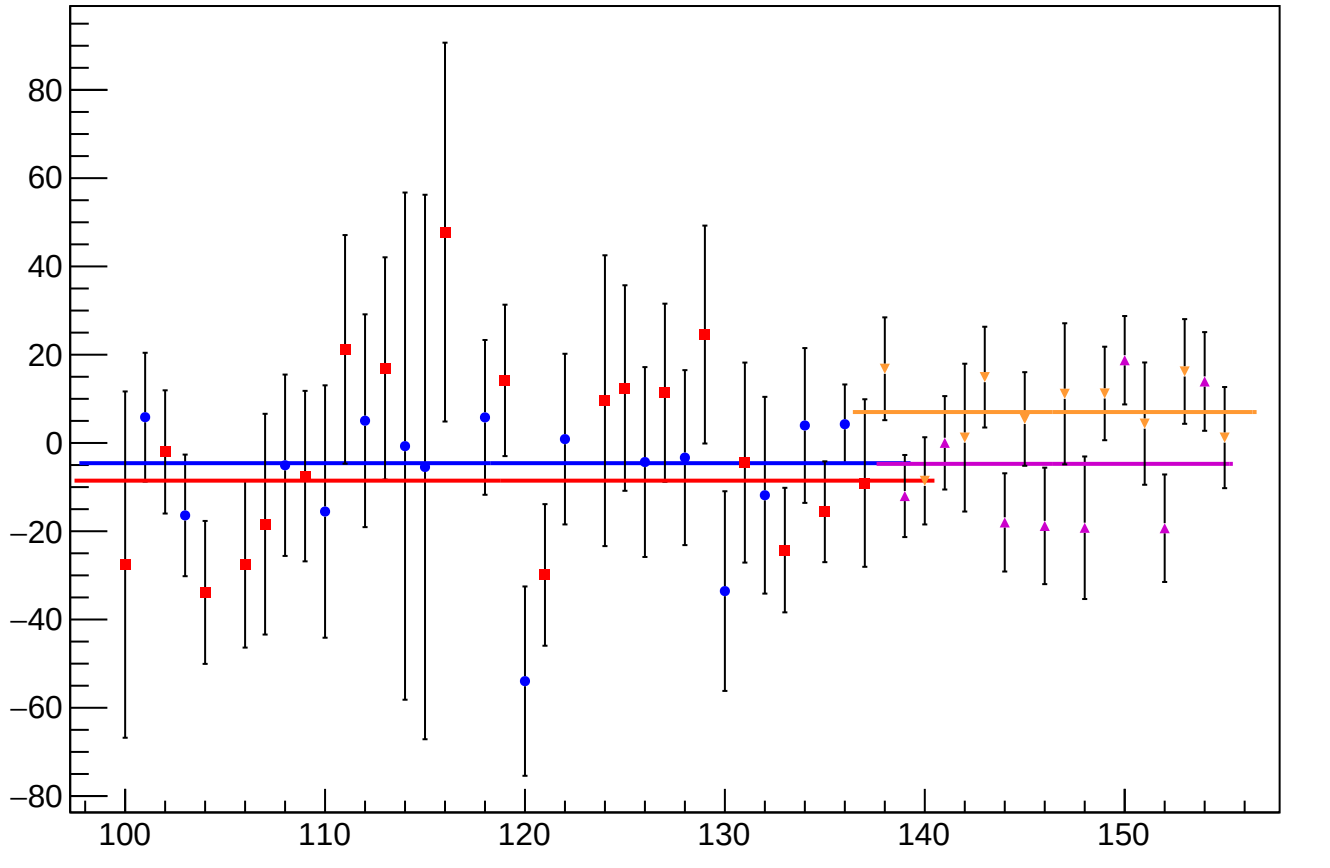
Left: 7676.116+/-1.423 χ^2/NDF: 436290.3/17

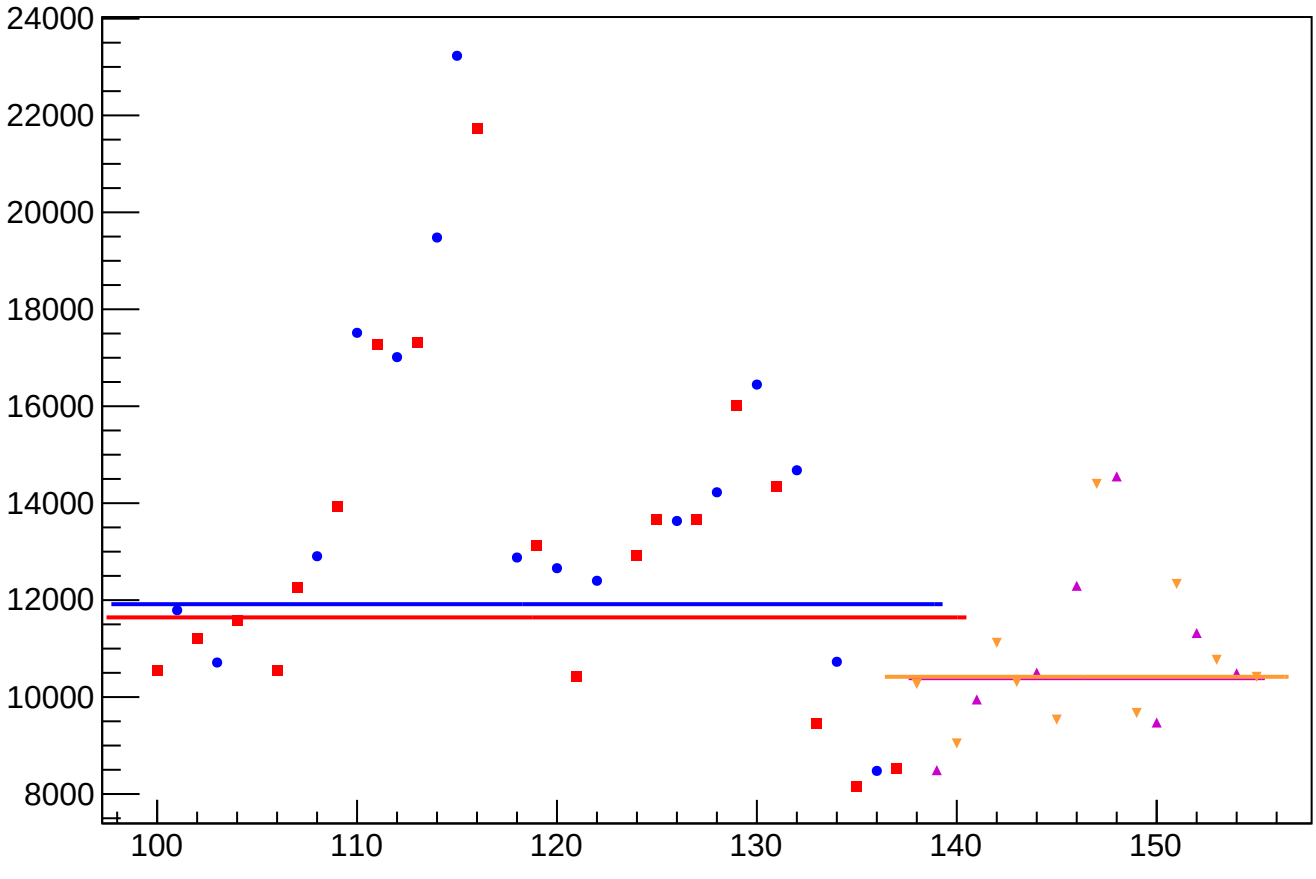
Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8914.128+/-1.738 χ^2/NDF:1954250.3/23

Out: 8838.306+/-1.669 χ^2/NDF:2394748.6/28

All: 8874.682+/-1.204 χ^2/NDF: 4349989.4/52


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: 7.006+/-3.766 χ²/NDF:4.9/9
Right Out: -8.537+/-4.392 χ²/NDF: 17.2/18
Left In: -4.732+/-3.989 χ²/NDF:13.9/7
Left: 1.474+/-2.738 χ²/NDF: 23.4/17
Right: -6.629+/-3.161 χ²/NDF: 27.8/34
In: -4.665+/-3.001 χ²/NDF:24.1/23
Out: 0.420+/-2.859 χ²/NDF:29.3/28
All: -2.000+/-2.070 χ²/NDF: 55.0/52



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10418.471+/-2.663 χ^2/NDF:230548.1/9

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10389.512+/-2.821 χ^2/NDF:290058.7/7

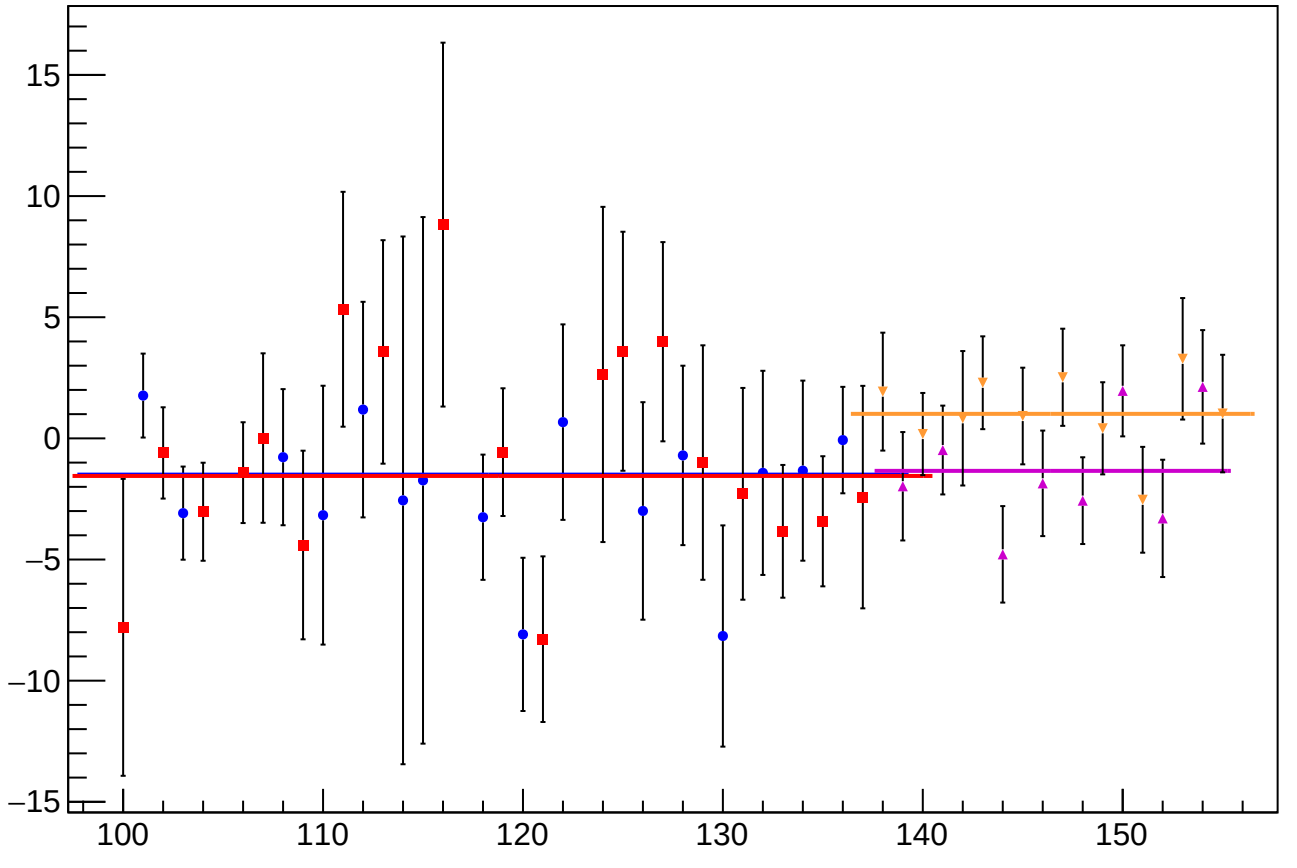
Left: 10404.822+/-1.936 χ^2/NDF: 520662.6/17

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11052.359+/-2.122 χ^2/NDF:1167049.3/23

Out: 10937.584+/-2.022 χ^2/NDF:1110581.6/28

All: 10992.201+/-1.464 χ^2/NDF: 2279164.7/5



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.012+/-0.669 χ^2/NDF:5.0/9

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -1.341+/-0.724 χ^2/NDF:9.8/7

Left: -0.072+/-0.491 χ^2/NDF: 20.4/17

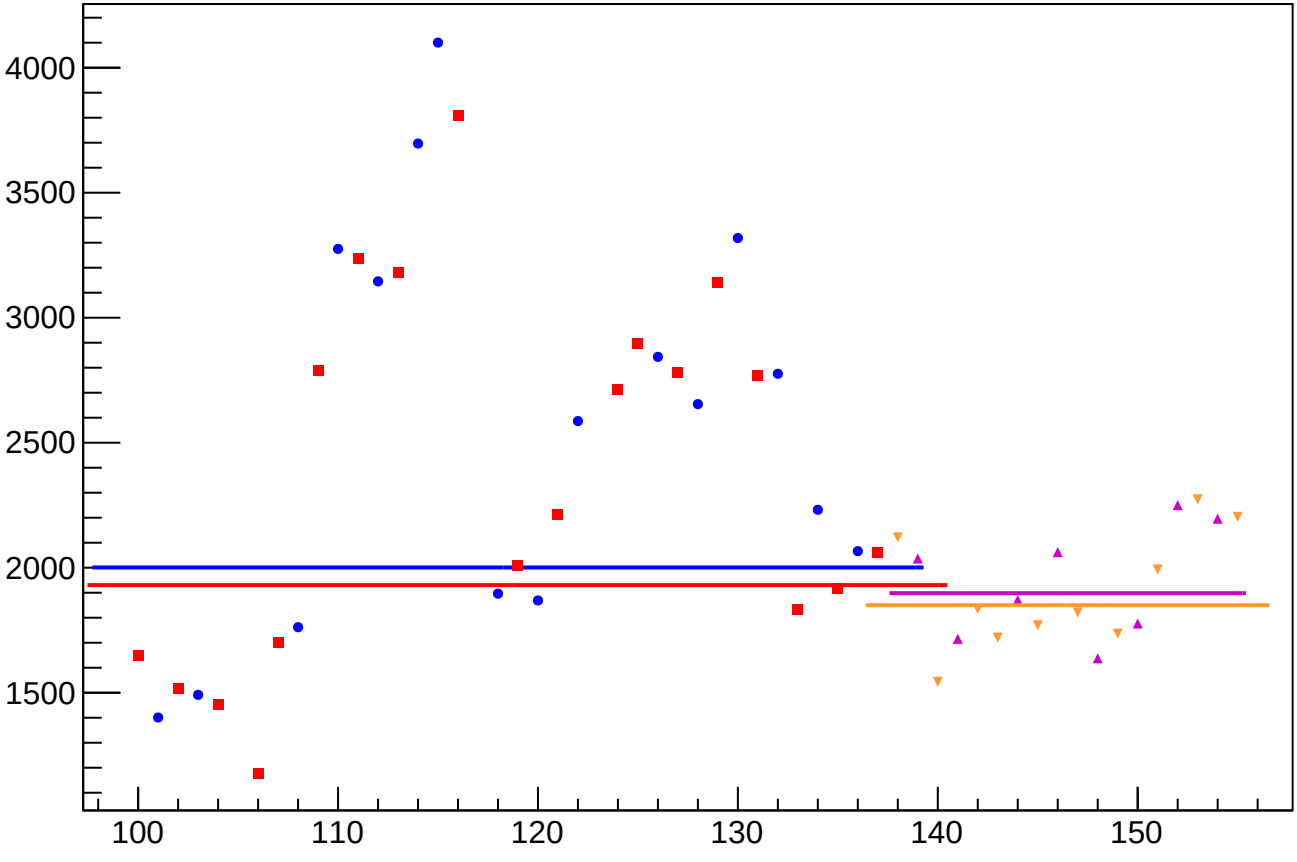
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.413+/-0.530 χ^2/NDF:22.4/23

Out: -0.133+/-0.498 χ^2/NDF:27.8/28

All: -0.733+/-0.363 χ^2/NDF: 53.3/52

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1850.117+/-0.473 χ^2/NDF:218330.6/9

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1898.205+/-0.512 χ^2/NDF:164610.5/7

Left: 1872.269+/-0.347 χ^2/NDF: 387702.1/17

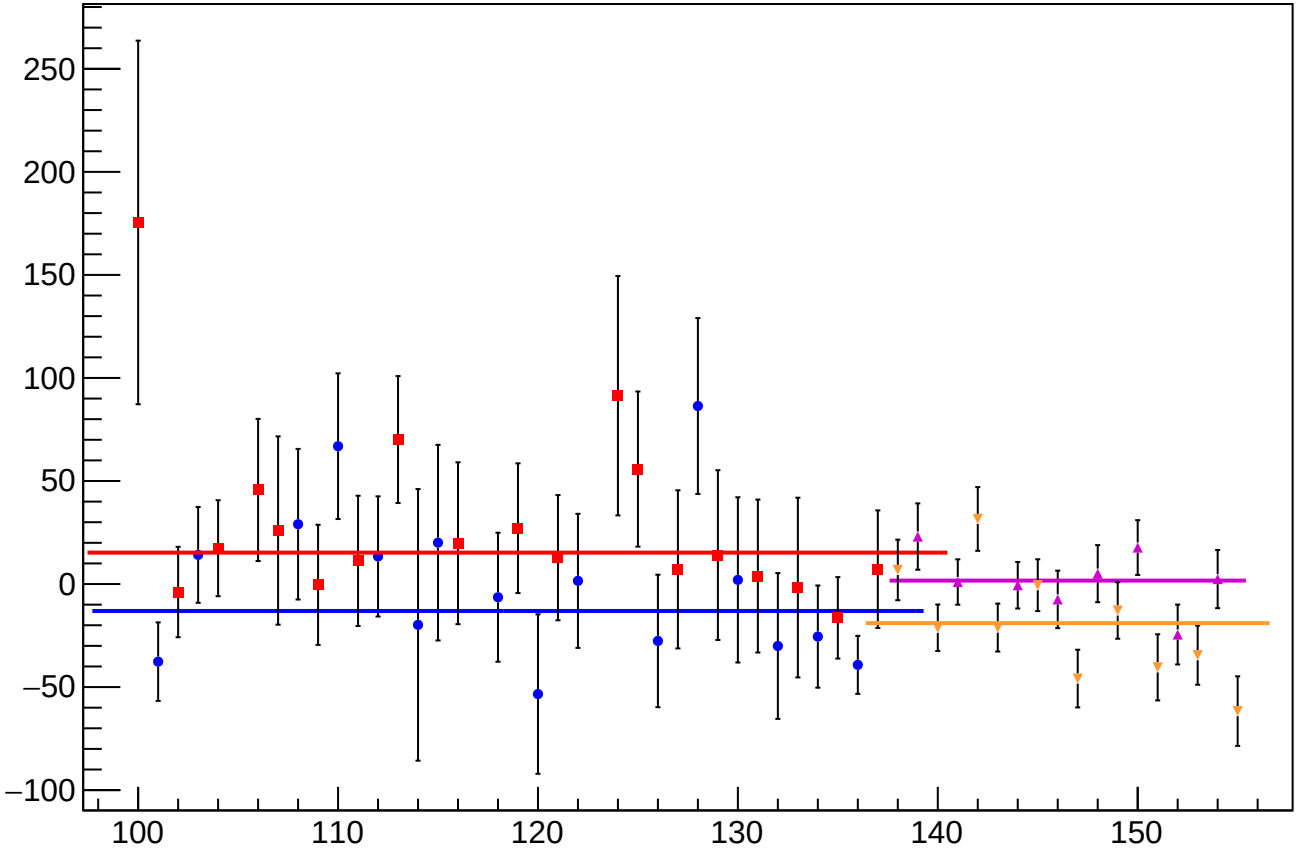
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 1945.884+/-0.375 χ^2/NDF:1373103.7/23

Out: 1885.994+/-0.352 χ^2/NDF:1634761.5/28

All: 1914.051+/-0.257 χ^2/NDF: 3021438.2/52

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -18.962+/-4.340 χ^2/NDF:29.2/9

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 1.679+/-4.677 χ^2/NDF:7.0/7

Left: -9.410+/-3.181 χ^2/NDF: 46.7/17

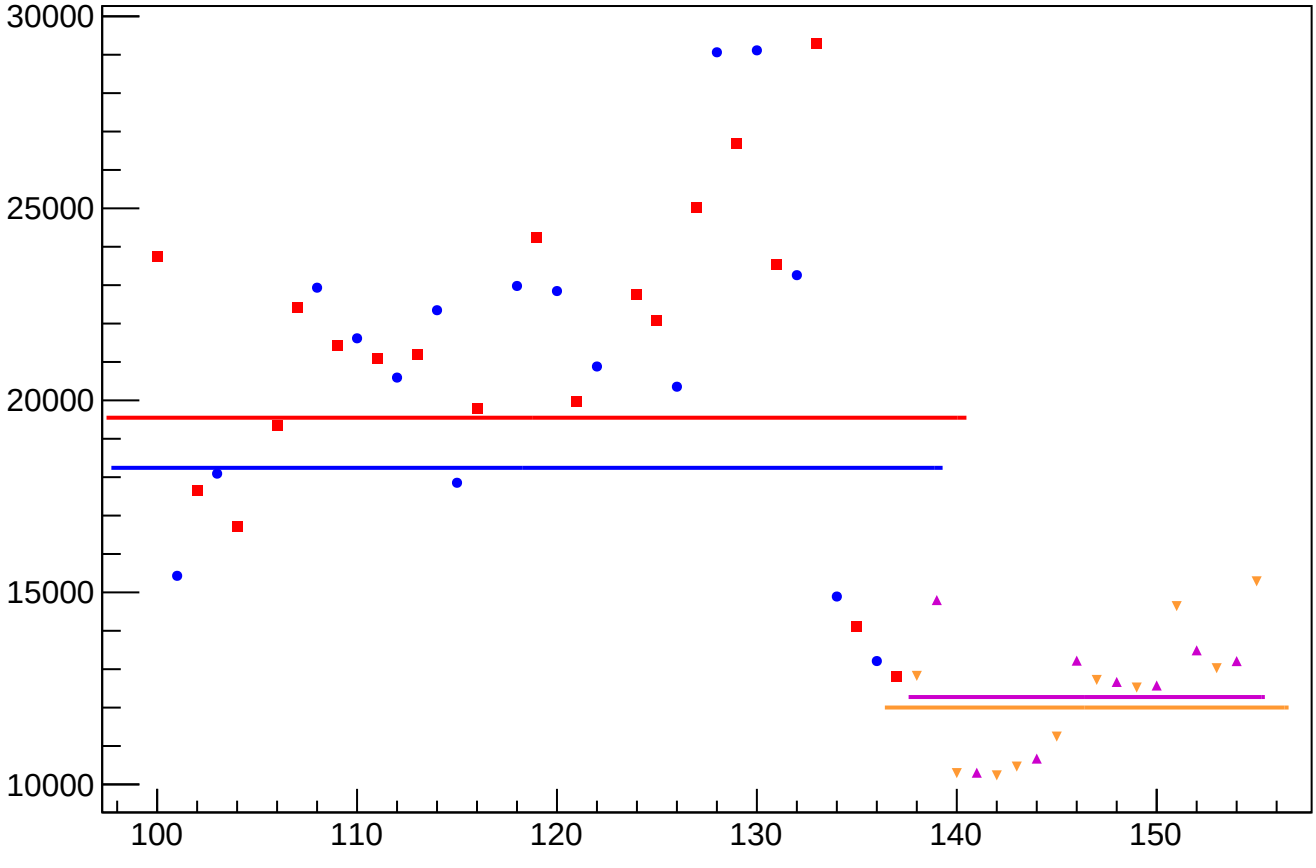
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -2.848+/-3.893 χ^2/NDF:31.9/23

Out: -10.063+/-3.734 χ^2/NDF:59.8/28

All: -6.606+/-2.695 χ^2/NDF: 93.4/52

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 12002.029+/-3.069 χ^2/NDF:268772.2/9

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12275.263+/-3.307 χ^2/NDF:188269.1/7

Left: 12128.473+/-2.250 χ^2/NDF: 460709.1/17

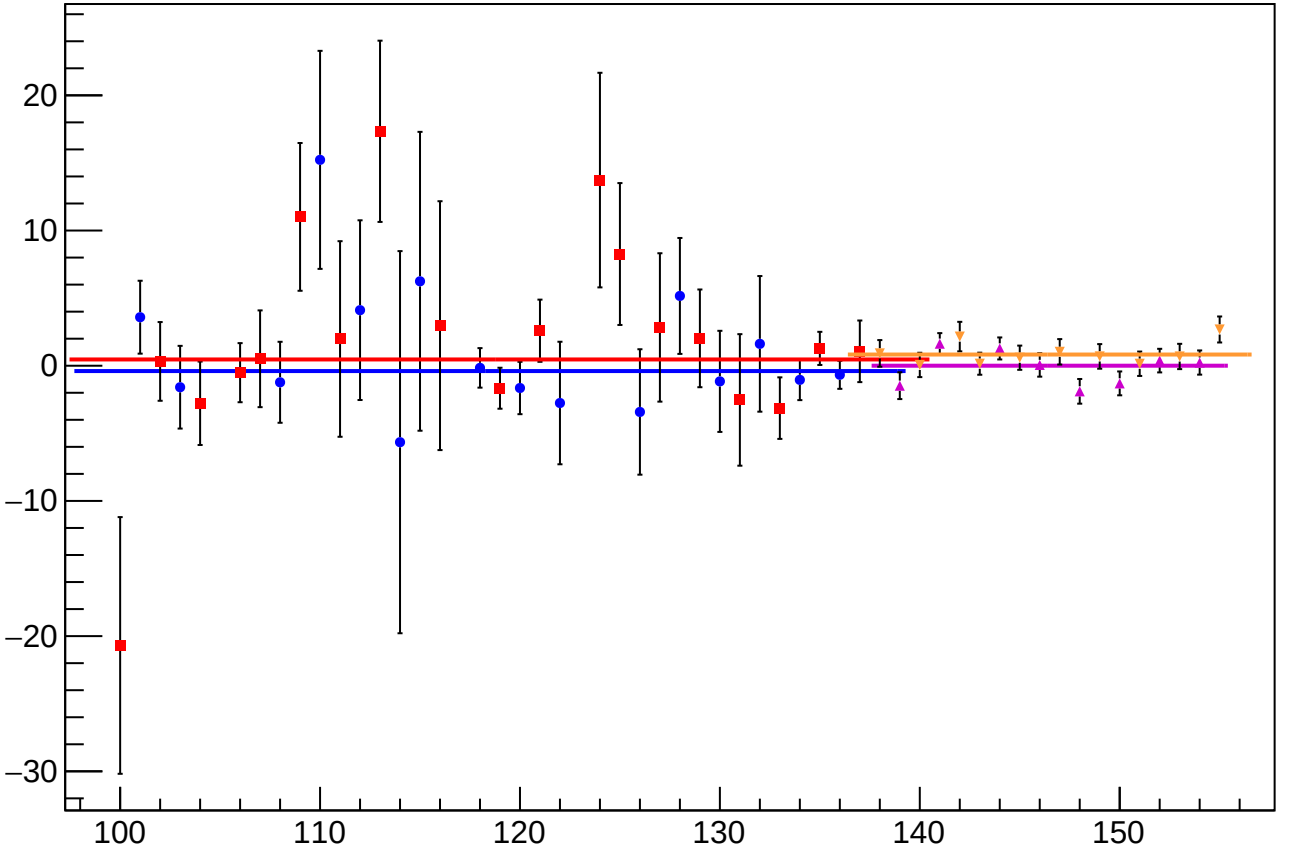
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 14107.442+/-2.753 χ^2/NDF:2008030.7/23

Out: 13964.820+/-2.640 χ^2/NDF:2462956.8/28

All: 14033.148+/-1.905 χ^2/NDF: 4472385.7/5

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.828+/-0.293 χ^2/NDF:7.4/9

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.002+/-0.308 χ^2/NDF:15.8/7

Left: 0.436+/-0.212 χ^2/NDF: 26.9/17

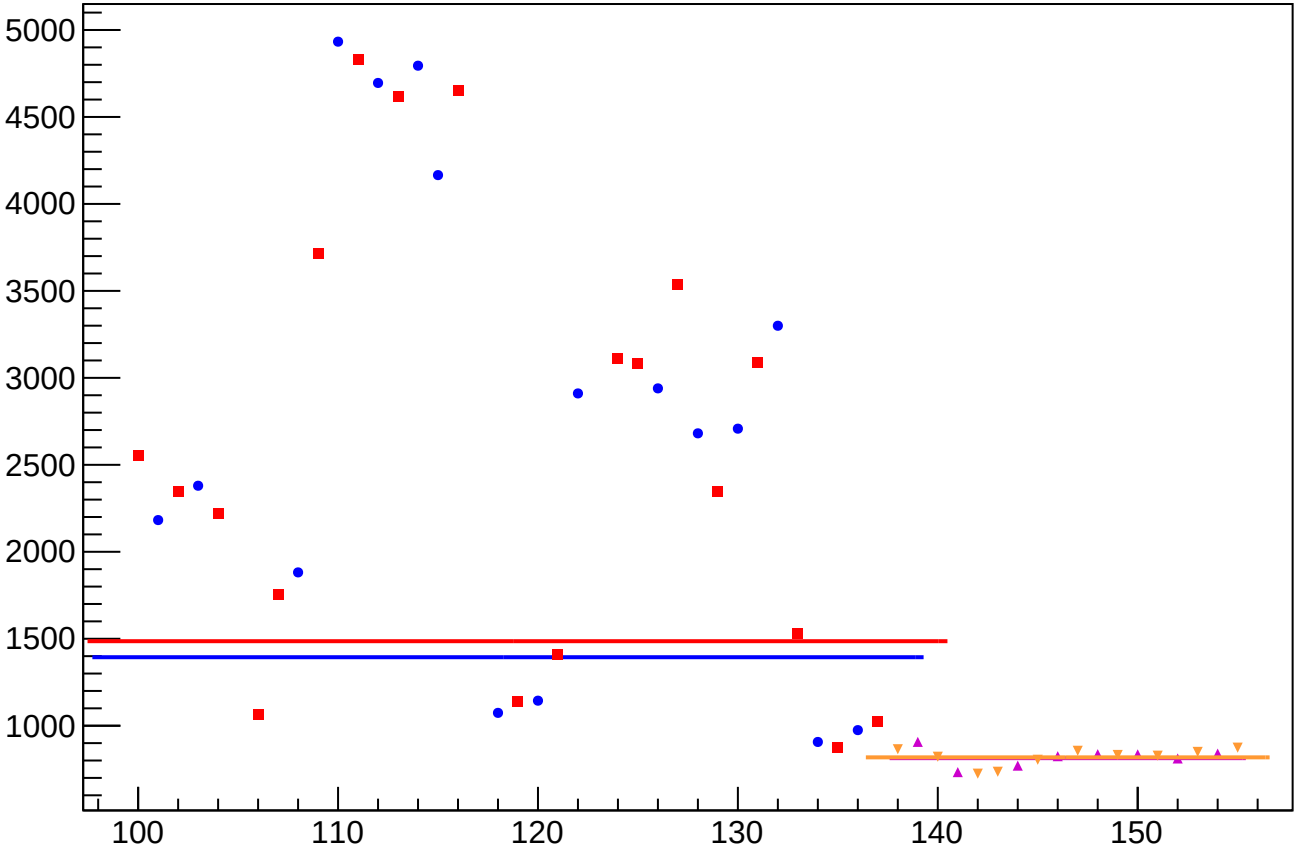
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.081+/-0.274 χ^2/NDF:26.6/23

Out: 0.764+/-0.266 χ^2/NDF:35.7/28

All: 0.354+/-0.191 χ^2/NDF: 67.1/52

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 818.113+/-0.207 χ^2/NDF:53185.4/9

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 813.605+/-0.218 χ^2/NDF:49156.4/7

Left: 815.971+/-0.150 χ^2/NDF: 102566.6/17

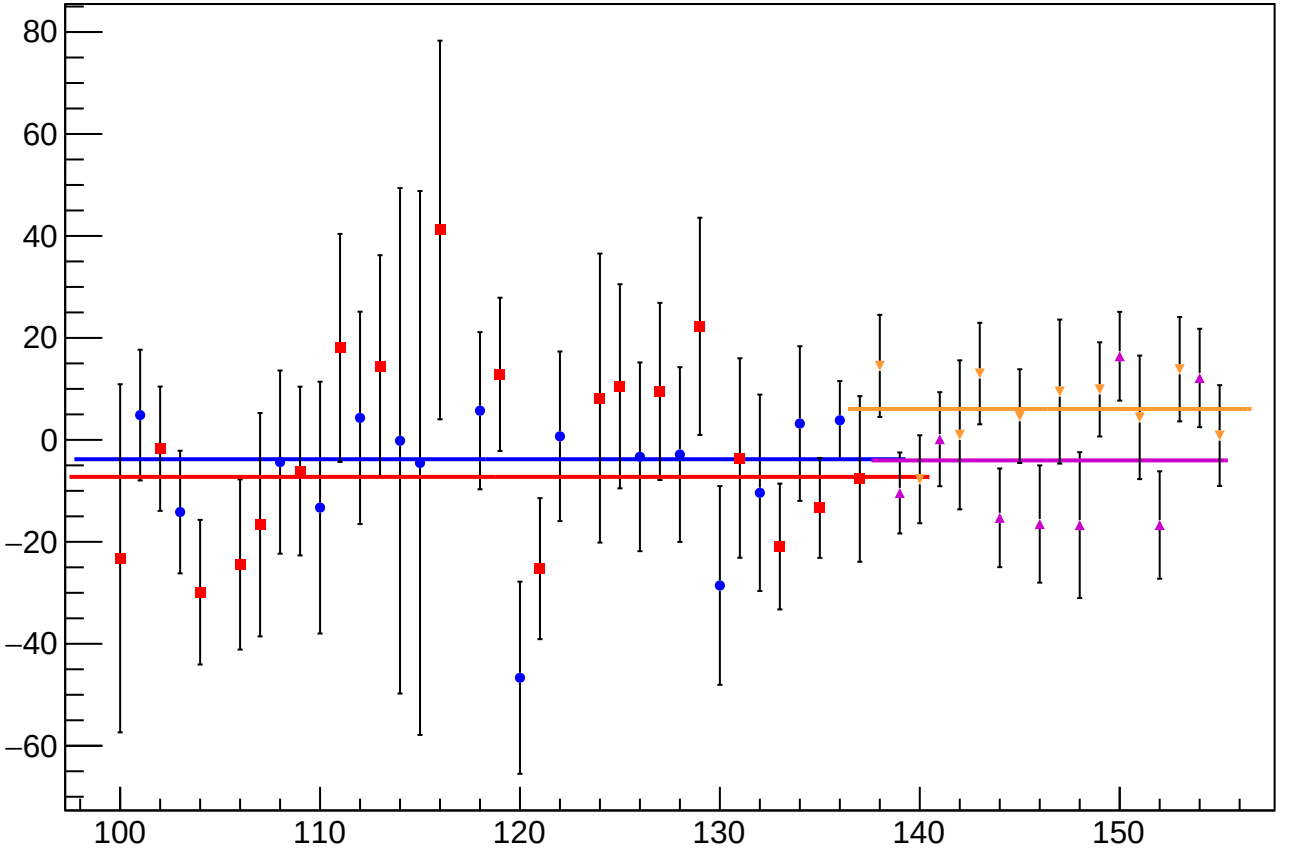
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 934.623+/-0.194 χ^2/NDF:4910221.4/23

Out: 935.738+/-0.188 χ^2/NDF:5281169.5/28

All: 935.197+/-0.135 χ^2/NDF: 10191408.0/52

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 6.070+/-3.272 χ^2/NDF:5.0/9

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -4.027+/-3.456 χ^2/NDF:13.9/7

Left: 1.298+/-2.376 χ^2/NDF: 23.4/17

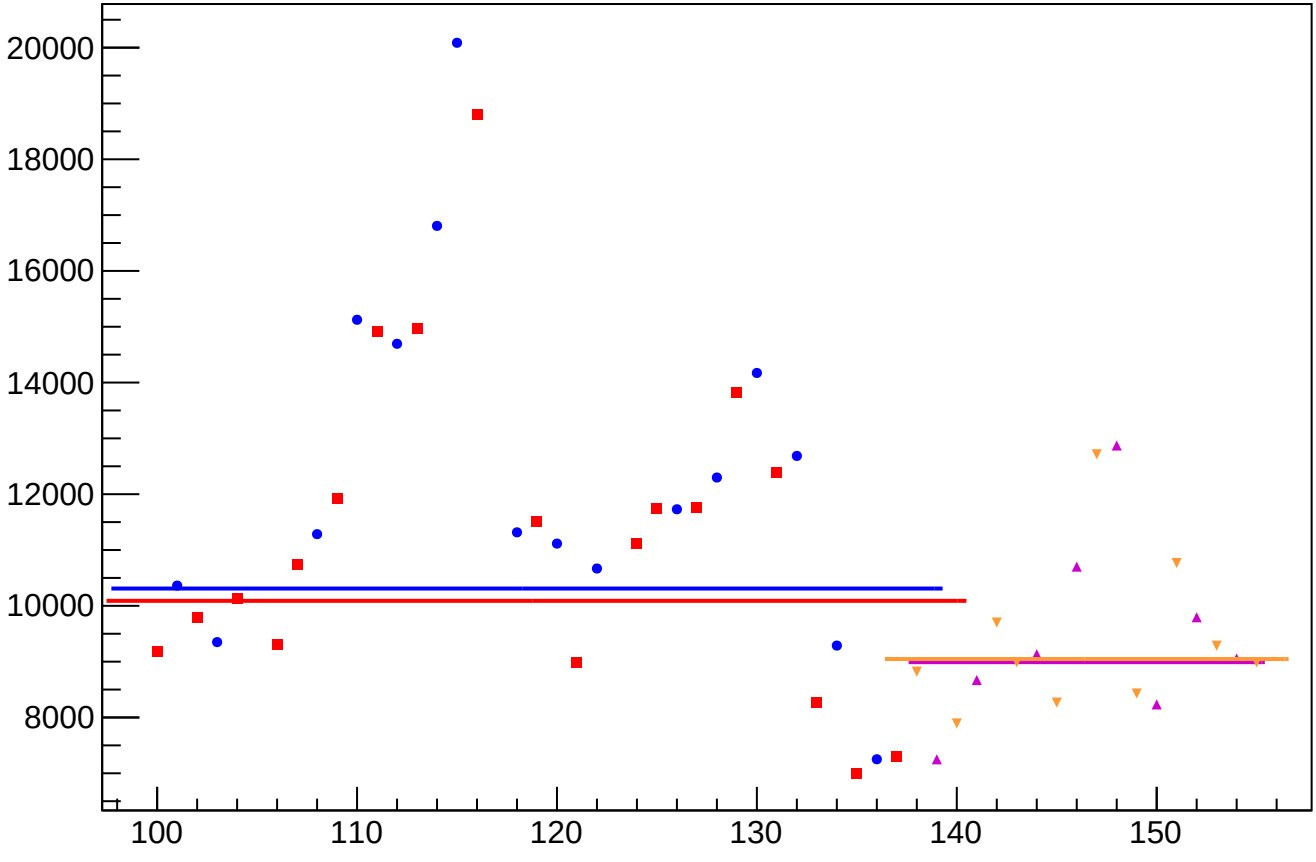
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -3.926+/-2.599 χ^2/NDF:24.0/23

Out: 0.404+/-2.482 χ^2/NDF:29.3/28

All: -1.660+/-1.795 χ^2/NDF: 54.8/52

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9046.909+/-2.314 χ^2/NDF:240723.4/9

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 8991.256+/-2.444 χ^2/NDF:317533.3/7

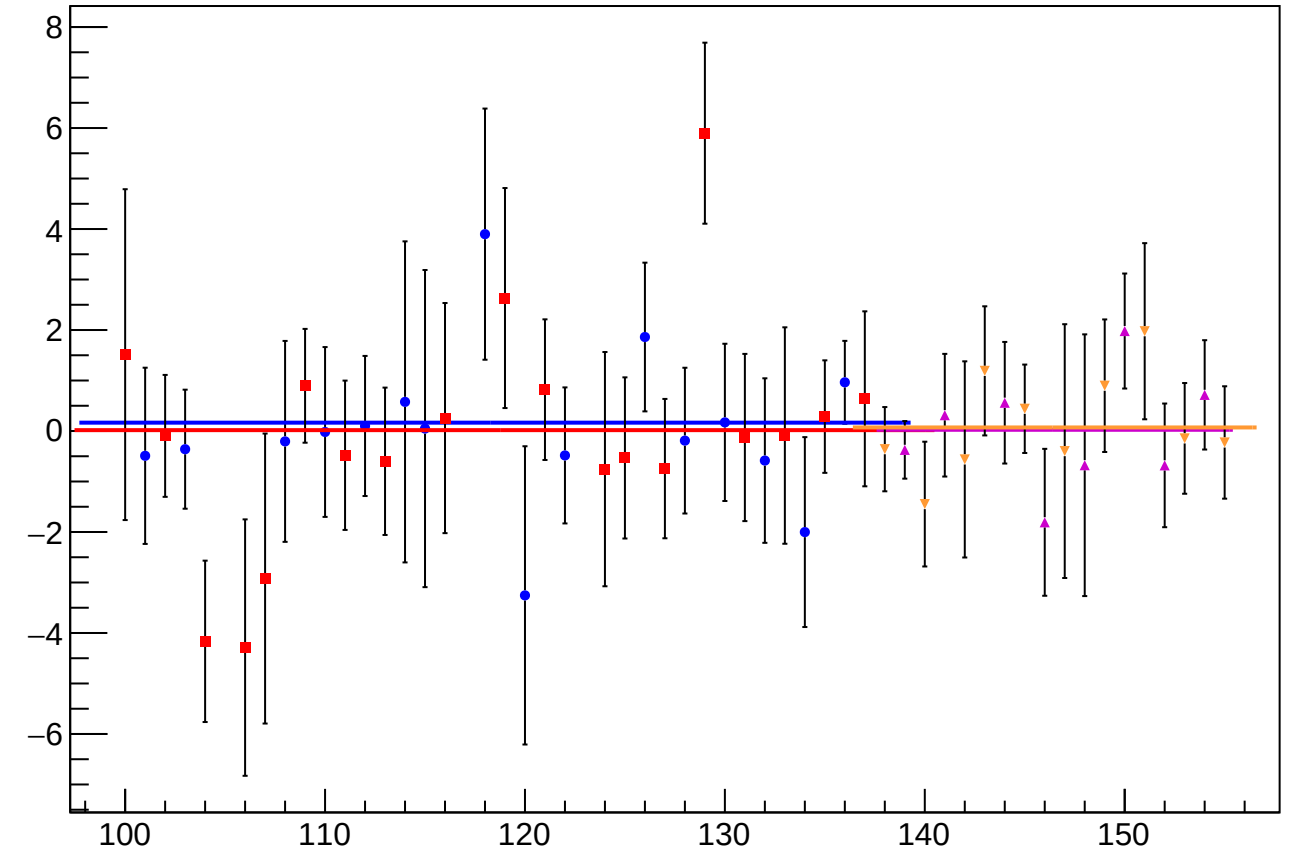
Left: 9020.604+/-1.680 χ^2/NDF: 558530.1/17

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

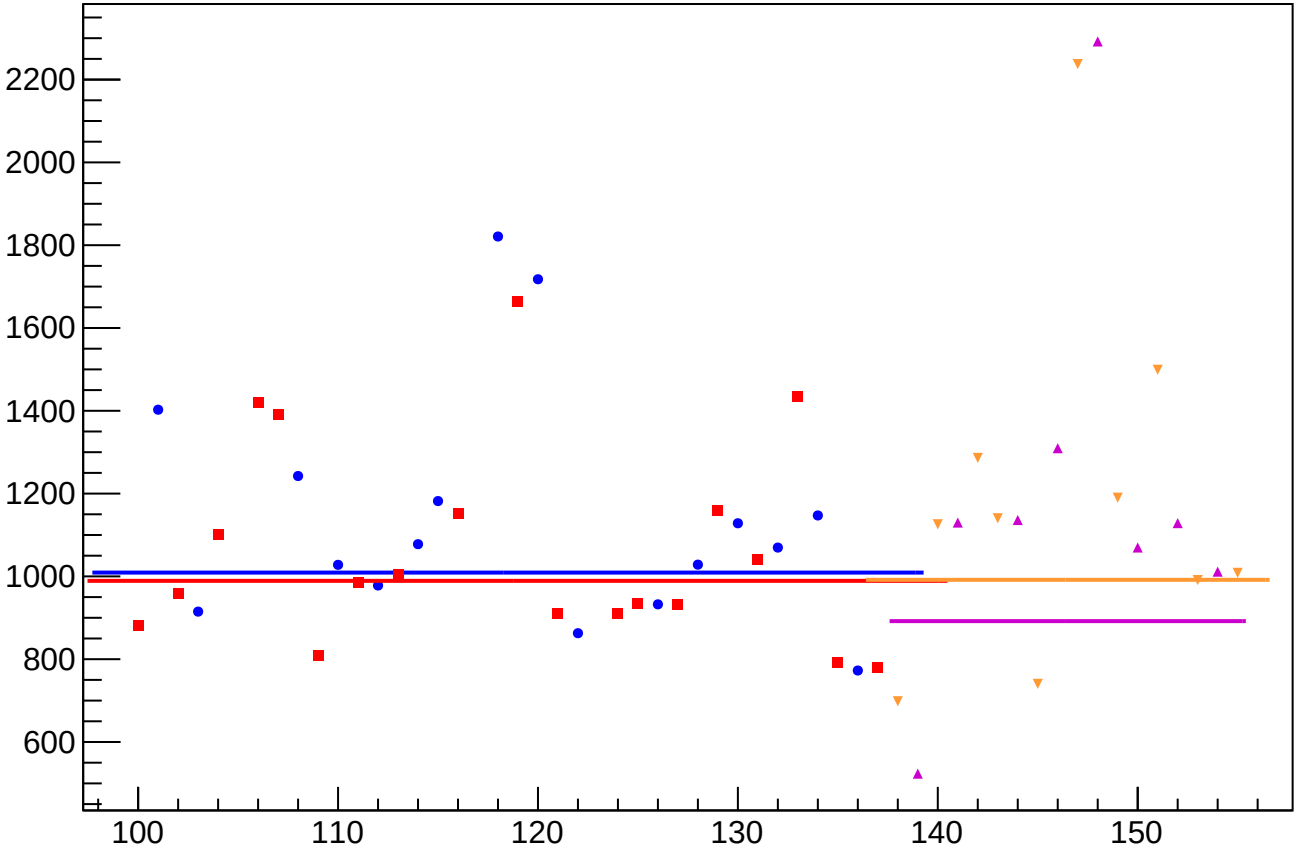
In: 9564.257+/-1.838 χ^2/NDF:1214547.6/23

Out: 9489.949+/-1.755 χ^2/NDF:1119791.9/28

All: 9525.383+/-1.269 χ^2/NDF: 2335194.6/52


diff_bpmtargetdiffY_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.165+/-0.386 χ²/NDF: 8.1/15
Left Out: 0.070+/-0.378 χ²/NDF:4.6/9
Right Out: 0.017+/-0.372 χ²/NDF: 25.2/18
Left In: 0.024+/-0.369 χ²/NDF:6.1/7
Left: 0.047+/-0.264 χ²/NDF: 10.7/17
Right: 0.089+/-0.268 χ²/NDF: 33.4/34
In: 0.092+/-0.267 χ²/NDF:14.3/23
Out: 0.043+/-0.265 χ²/NDF:29.7/28
All: 0.067+/-0.188 χ²/NDF: 44.0/52

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 991.716+/-0.268 χ^2/NDF:1215569.9/9

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 891.954+/-0.261 χ^2/NDF:1890156.1/7

Left: 940.535+/-0.187 χ^2/NDF: 3177014.5/17

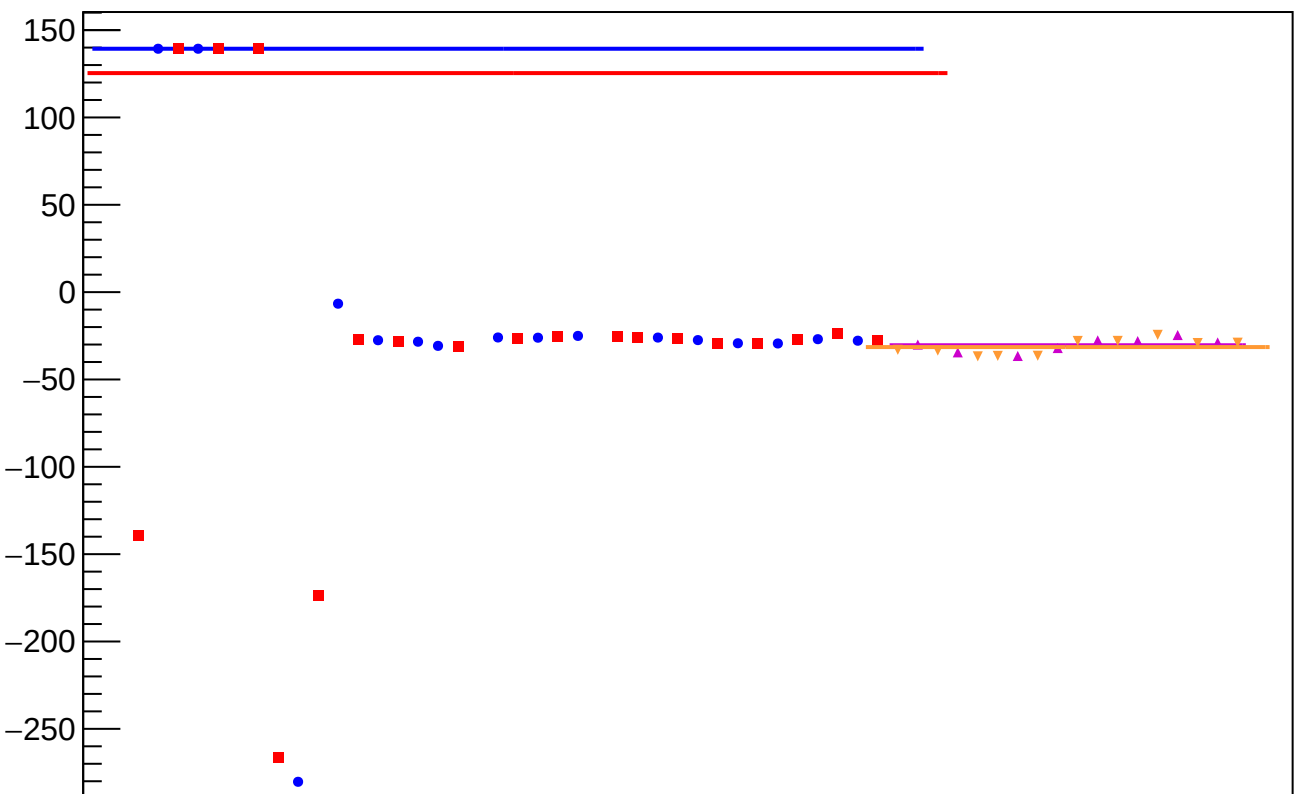
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 947.861+/-0.189 χ^2/NDF:2685893.8/23

Out: 990.461+/-0.188 χ^2/NDF:1791373.1/28

All: 969.268+/-0.133 χ^2/NDF: 4502903.0/52

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -31.453+/-0.001 χ^2/NDF:73775655.3/9

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -30.404+/-0.001 χ^2/NDF:51385364.4/7

Left: -30.979+/-0.000 χ^2/NDF: 127072822.7/17

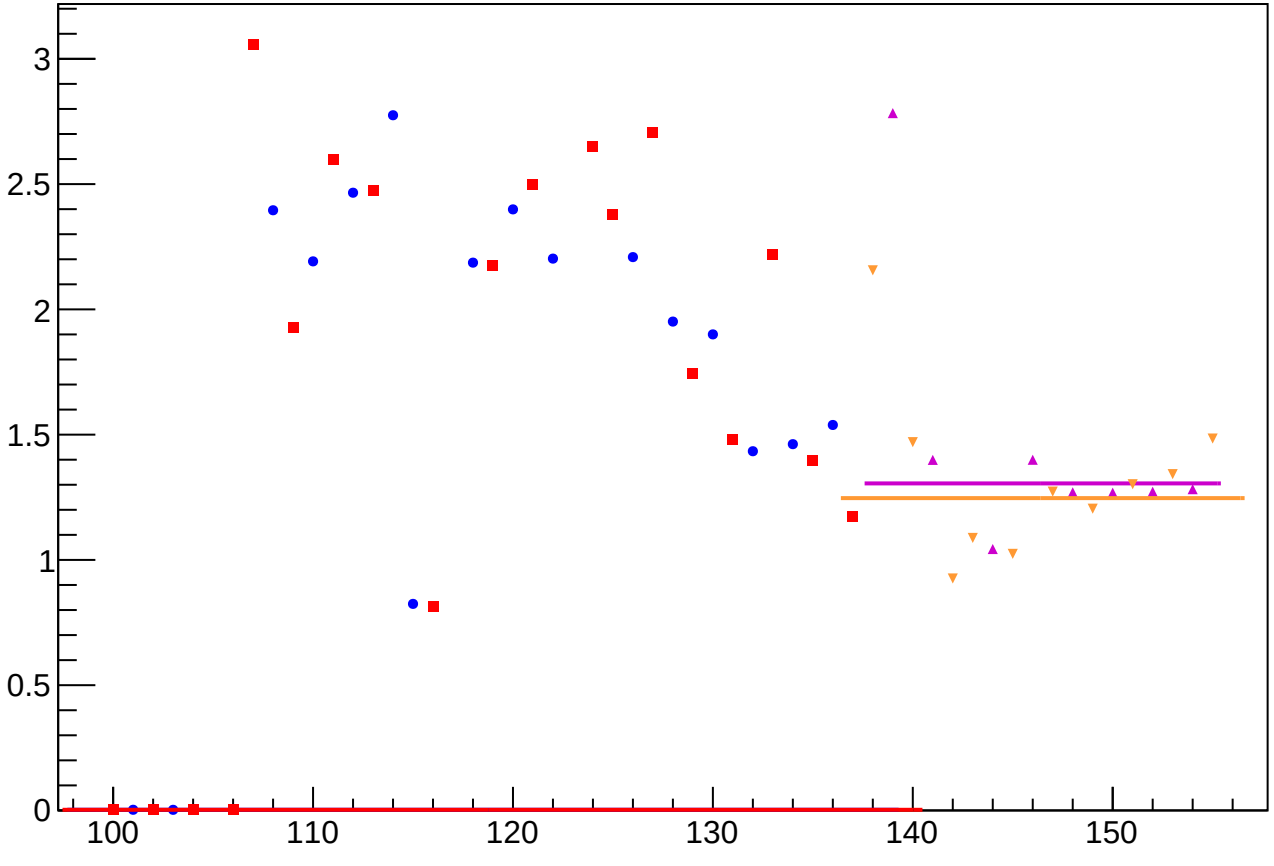
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.334+/-0.000 χ^2/NDF:138598526056.1/23

Out: 125.389+/-0.000 χ^2/NDF:774267843117953.

All: 131.815+/-0.000 χ^2/NDF: 79319122555

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.247+/-0.000 χ^2/NDF:459060.6/9

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.305+/-0.000 χ^2/NDF:563226.8/7

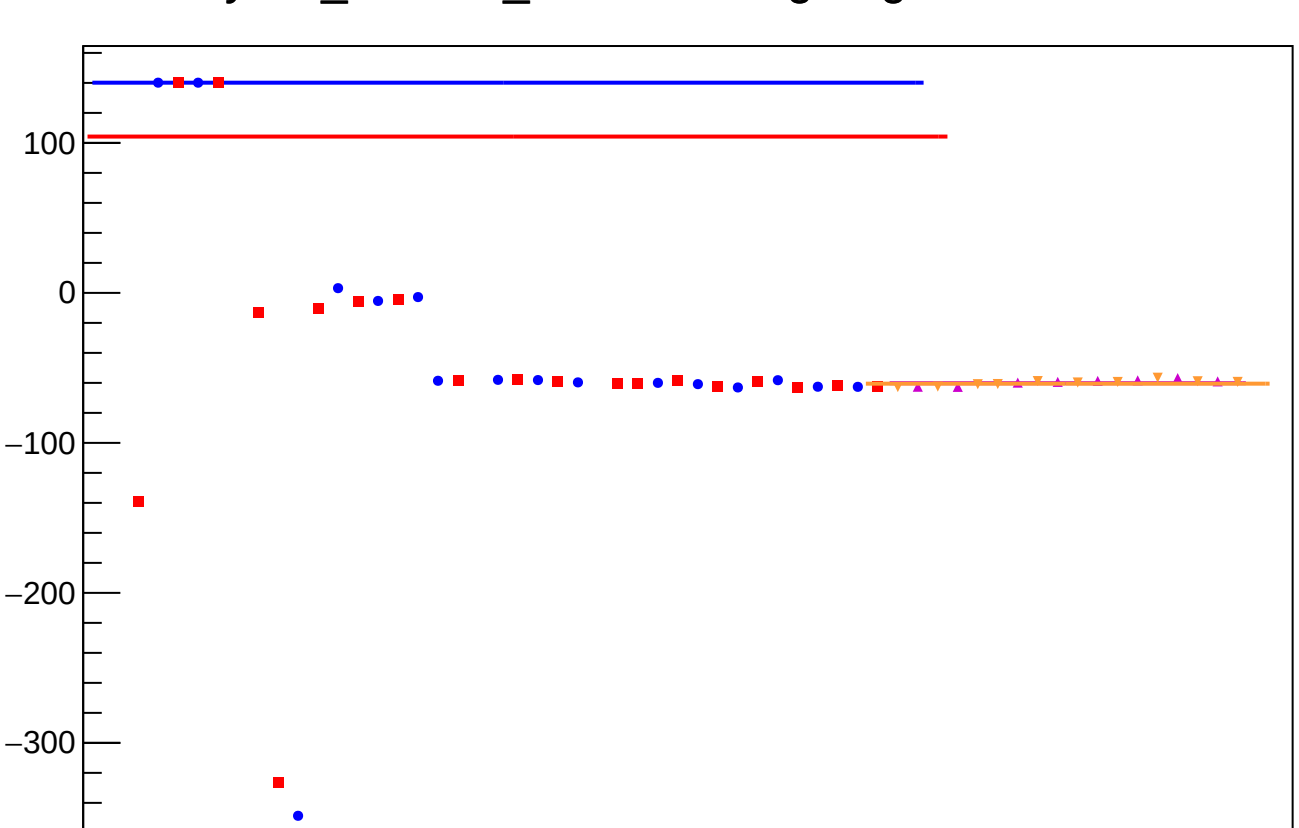
Left: 1.273+/-0.000 χ^2/NDF: 1034282.4/17

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

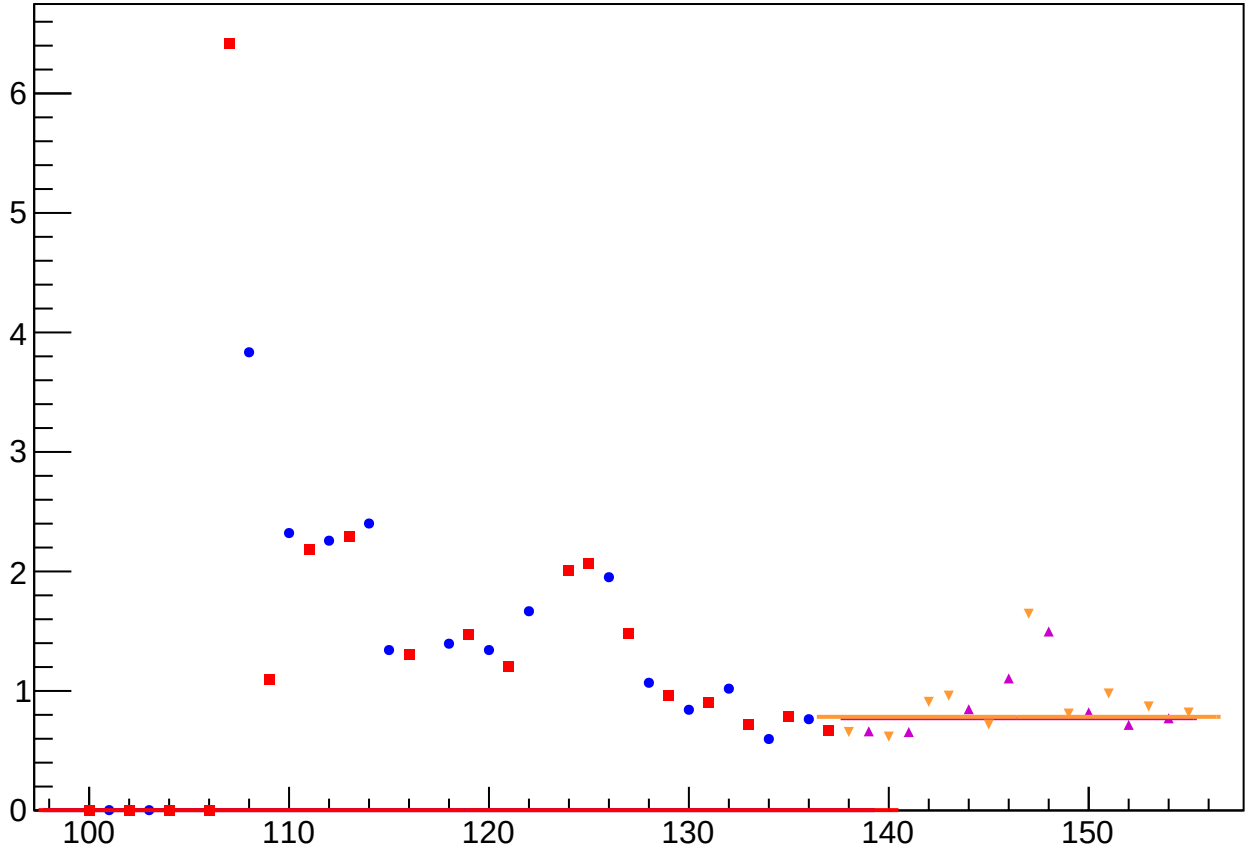
In: 0.003+/-0.000 χ^2/NDF:20903030.9/23

Out: 0.003+/-0.000 χ^2/NDF:22101688.9/28

All: 0.003+/-0.000 χ^2/NDF: 43004906.2/52


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -60.524+/-0.000 χ²/NDF:36017107.4/9
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -60.200+/-0.000 χ²/NDF:44935128.2/7
Left: -60.366+/-0.000 χ²/NDF: 81435613.5/17
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.133+/-0.000 χ²/NDF:546414580447.8/23
Out: 104.217+/-0.000 χ²/NDF:125765899318422
All: 120.823+/-0.000 χ²/NDF: 13815003515

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.784+/-0.000 χ^2/NDF:692471.1/9

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.772+/-0.000 χ^2/NDF:565222.8/7

Left: 0.778+/-0.000 χ^2/NDF: 1258946.5/17

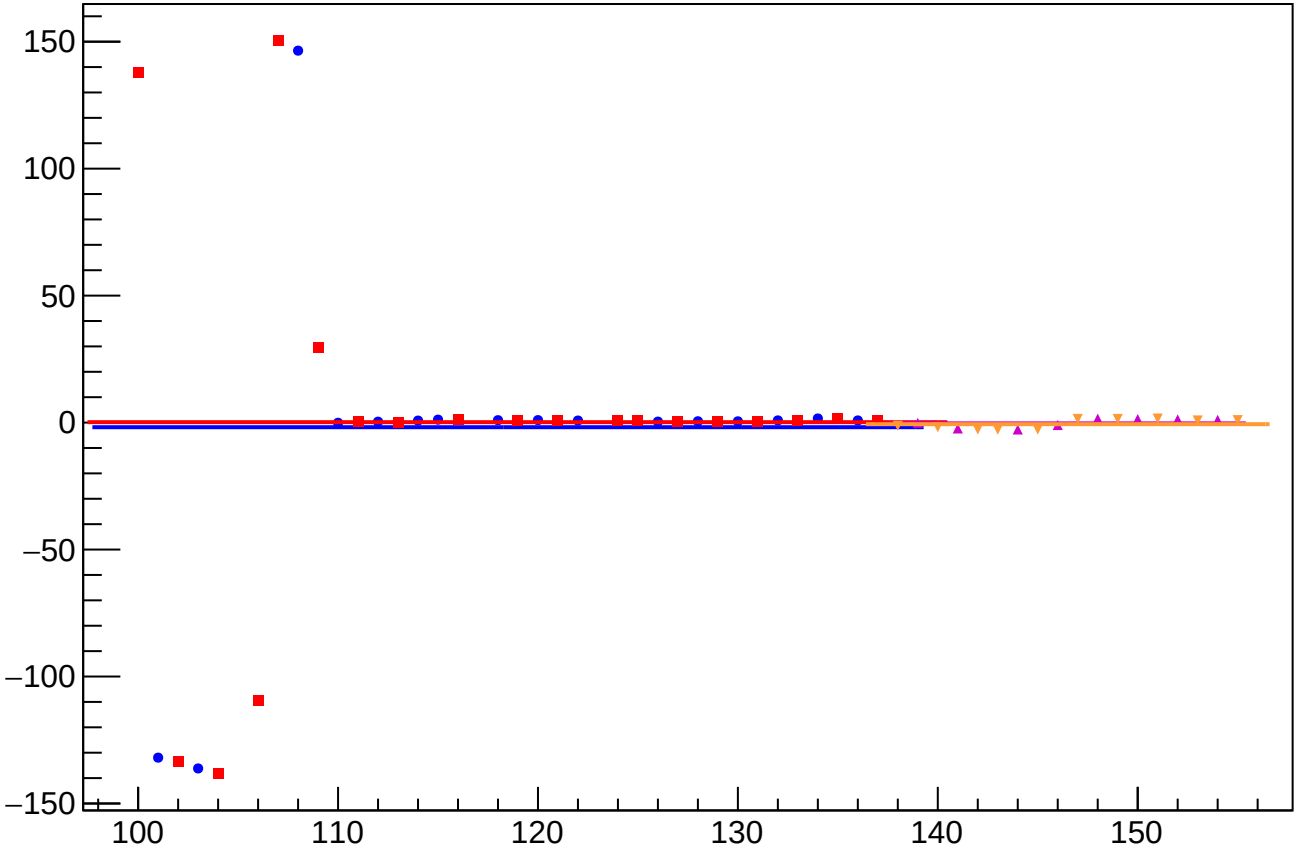
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:21724842.7/23

Out: 0.003+/-0.000 χ^2/NDF:22510279.8/28

All: 0.003+/-0.000 χ^2/NDF: 44235367.4/52

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.630+/-0.000 χ^2/NDF:76434206.5/9

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: -0.308+/-0.000 χ^2/NDF:54810478.2/7

Left: -0.485+/-0.000 χ^2/NDF: 132261247.1/17

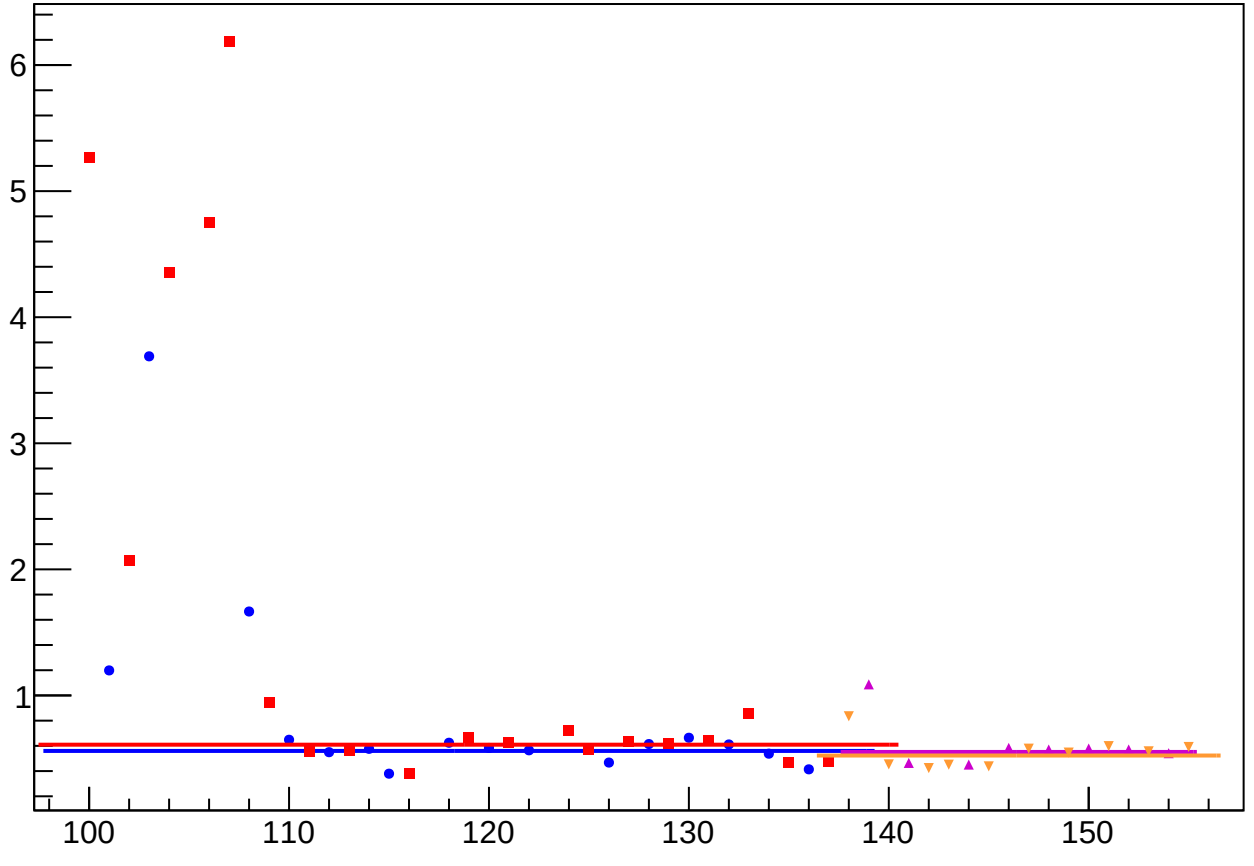
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -1.025+/-0.000 χ^2/NDF:9961286733.9/23

Out: -0.327+/-0.000 χ^2/NDF:3692916709.2/28

All: -0.670+/-0.000 χ^2/NDF: 13662612787.4/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.523+/-0.000 χ^2/NDF:379381.3/9

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.552+/-0.000 χ^2/NDF:526981.3/7

Left: 0.536+/-0.000 χ^2/NDF: 922142.0/17

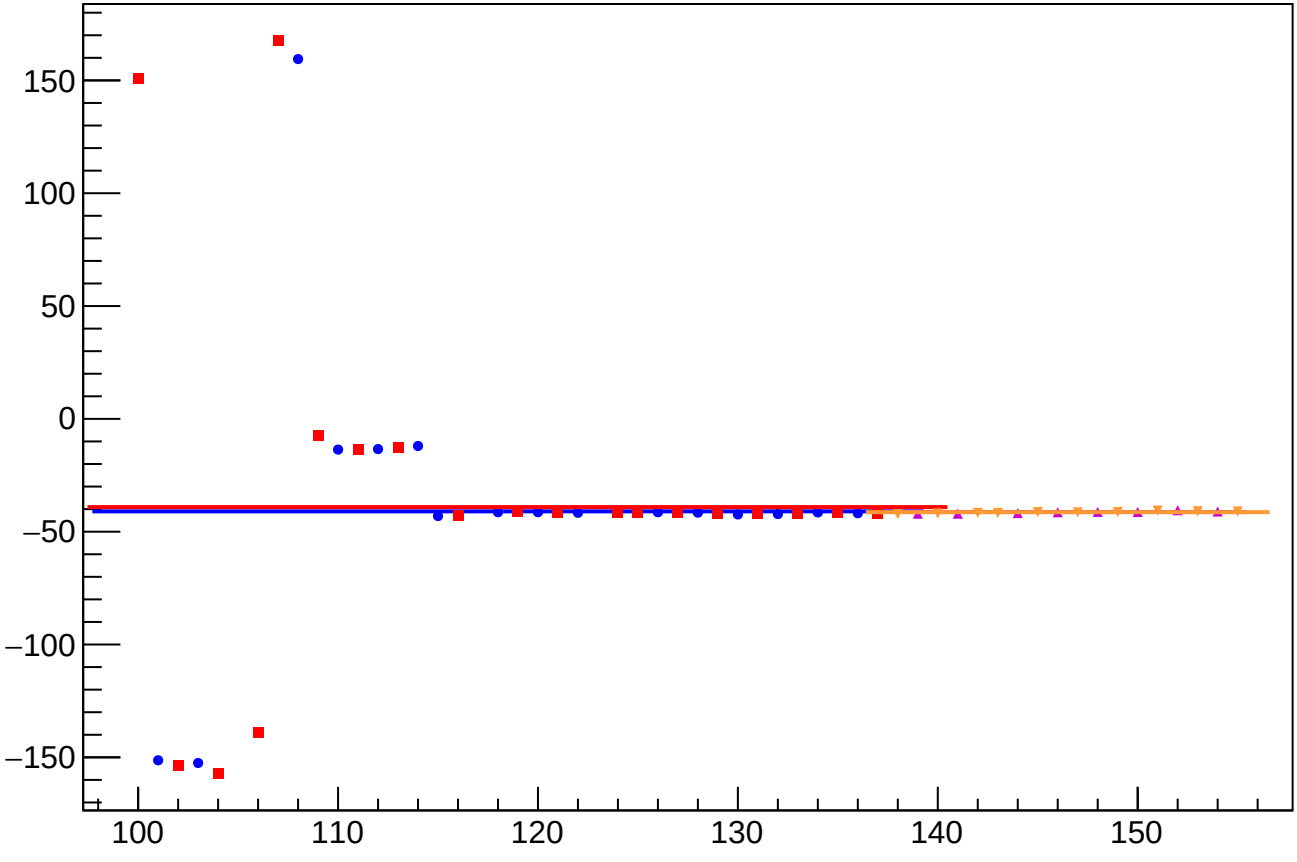
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.556+/-0.000 χ^2/NDF:2126527.8/23

Out: 0.556+/-0.000 χ^2/NDF:2977891.6/28

All: 0.556+/-0.000 χ^2/NDF: 5104429.4/52

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.339+/-0.000 χ^2/NDF:9069132.7/9

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.293+/-0.000 χ^2/NDF:11670647.0/7

Left: -41.318+/-0.000 χ^2/NDF: 20797348.0/17

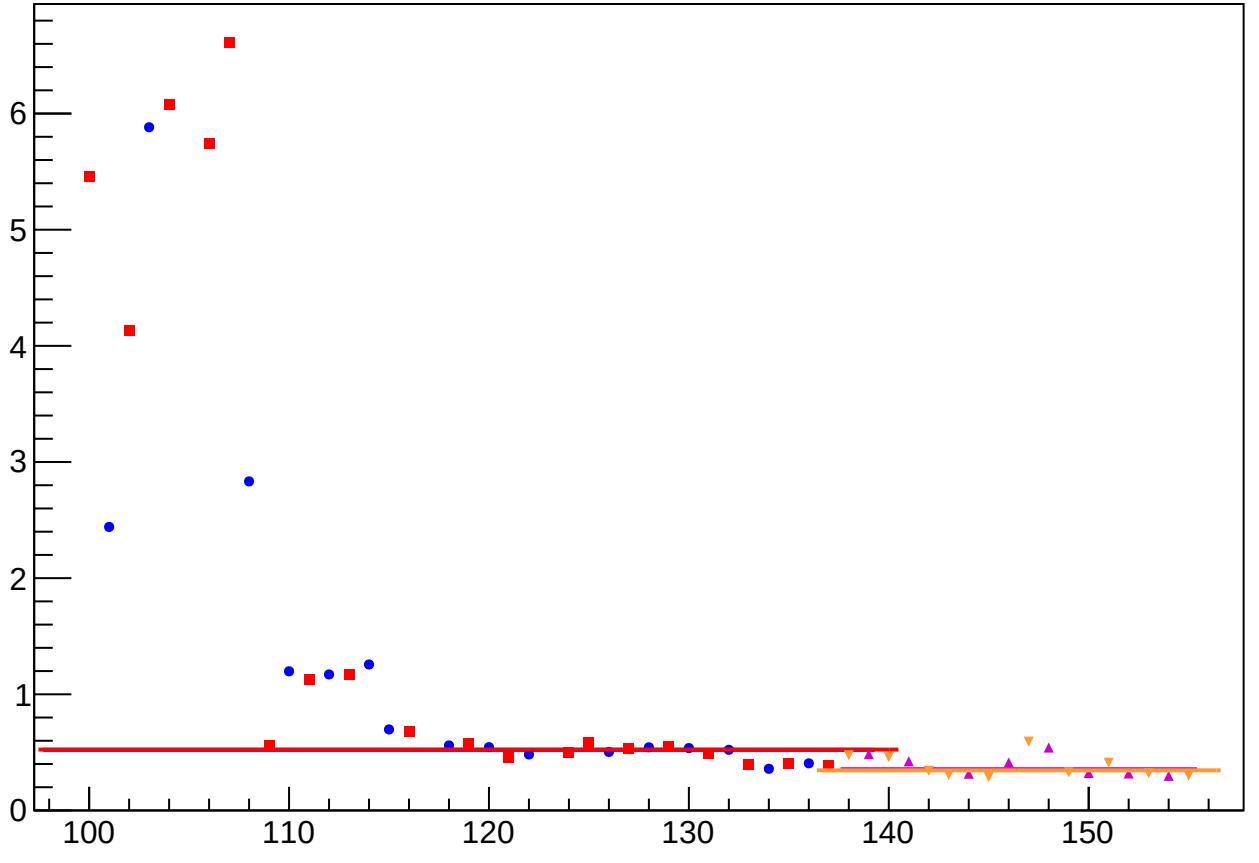
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.211+/-0.000 χ^2/NDF:3462555991.1/23

Out: -40.820+/-0.000 χ^2/NDF:2558077066.8/28

All: -41.004+/-0.000 χ^2/NDF: 6026184301.5/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.345+/-0.000 χ^2/NDF:649379.1/9

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.355+/-0.000 χ^2/NDF:497185.2/7

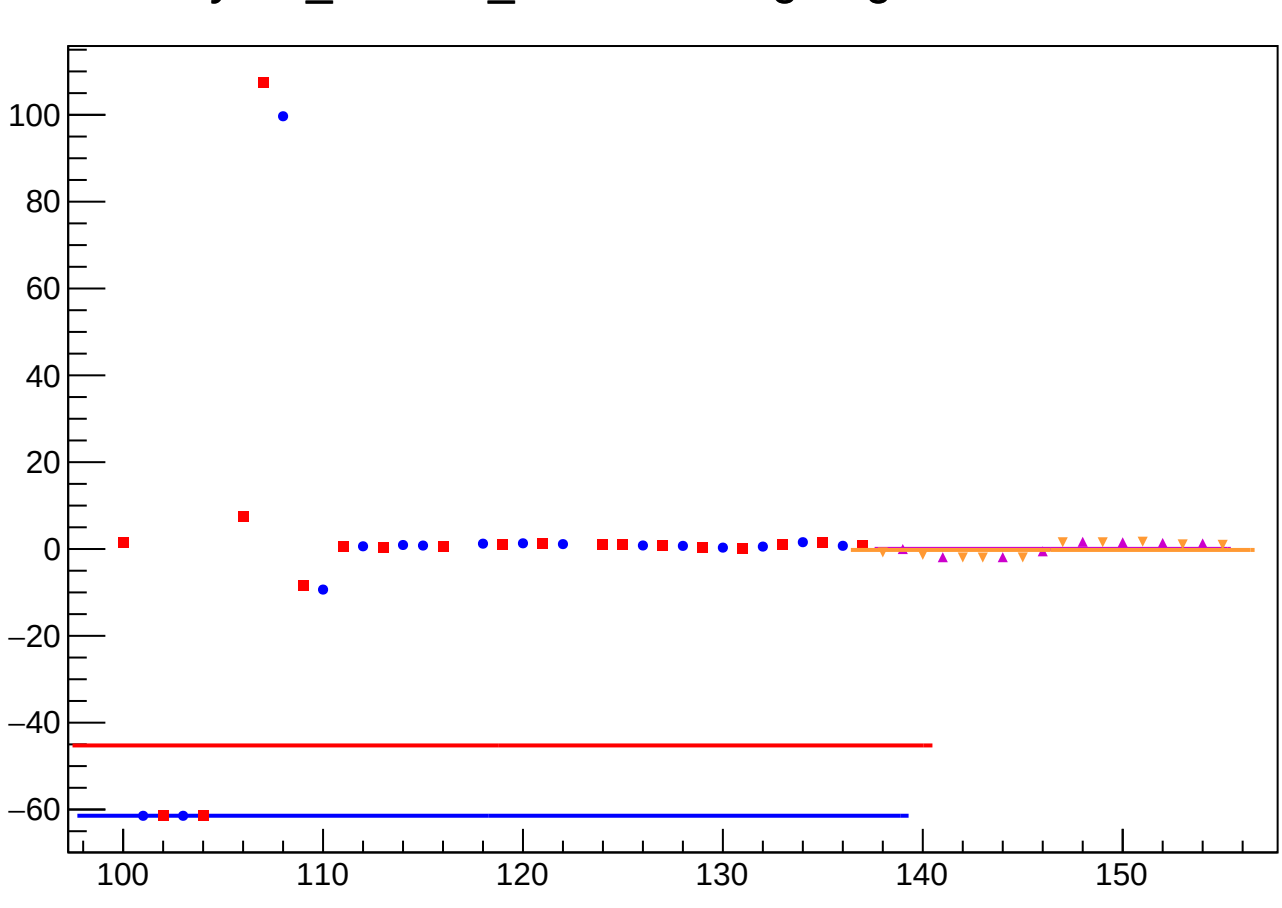
Left: 0.350+/-0.000 χ^2/NDF: 1151806.2/17

Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.400+/-0.000 χ^2/NDF:4196627.9/23

Out: 0.387+/-0.000 χ^2/NDF:4790370.6/28

All: 0.393+/-0.000 χ^2/NDF: 8999750.4/52



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -0.215+/-0.000 χ^2/NDF:75348428.4/9

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.032+/-0.000 χ^2/NDF:58954295.0/7

Left: -0.103+/-0.000 χ^2/NDF: 135143925.8/17

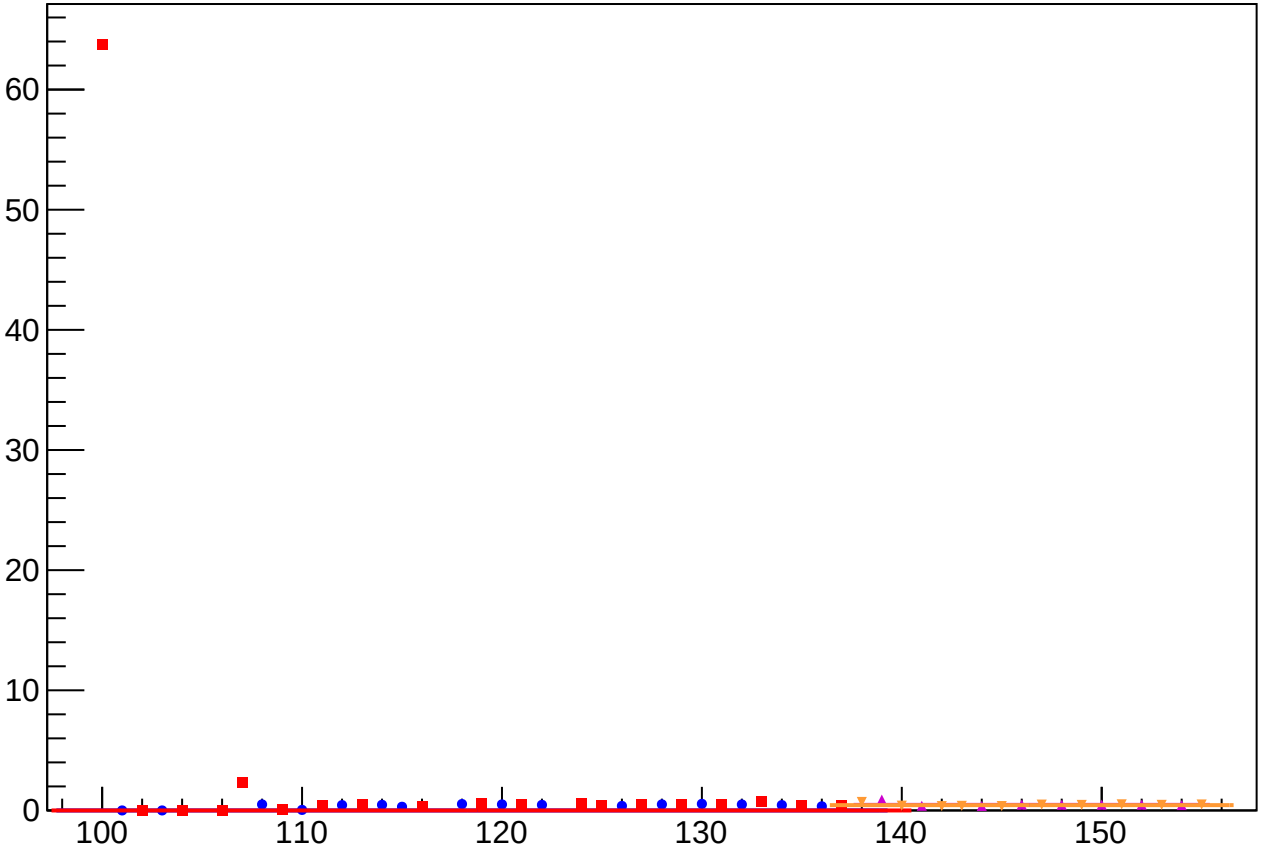
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.432+/-0.000 χ^2/NDF:369118854871.6/23

Out: -45.242+/-0.000 χ^2/NDF:357932356247261.5

All: -52.745+/-0.000 χ^2/NDF: 40927683507

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.443+/-0.000 χ^2/NDF:375527.8/9

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.464+/-0.000 χ^2/NDF:522620.6/7

Left: 0.452+/-0.000 χ^2/NDF: 910277.5/17

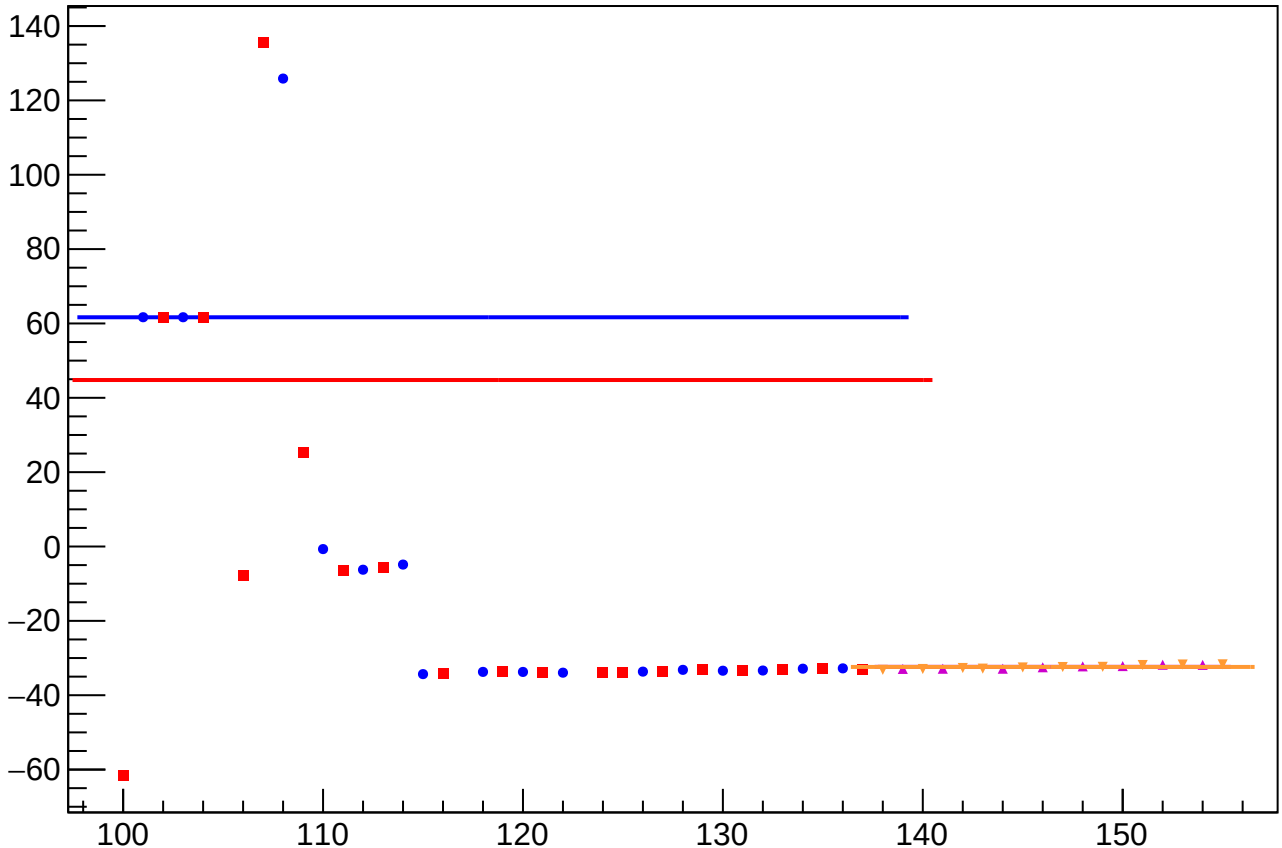
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.001+/-0.000 χ^2/NDF:20480009.9/23

Out: 0.001+/-0.000 χ^2/NDF:21612862.1/28

All: 0.001+/-0.000 χ^2/NDF: 42092874.5/52

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.393+/-0.000 χ^2/NDF:20854939.1/9

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.370+/-0.000 χ^2/NDF:15326786.9/7

Left: -32.382+/-0.000 χ^2/NDF: 36202146.4/17

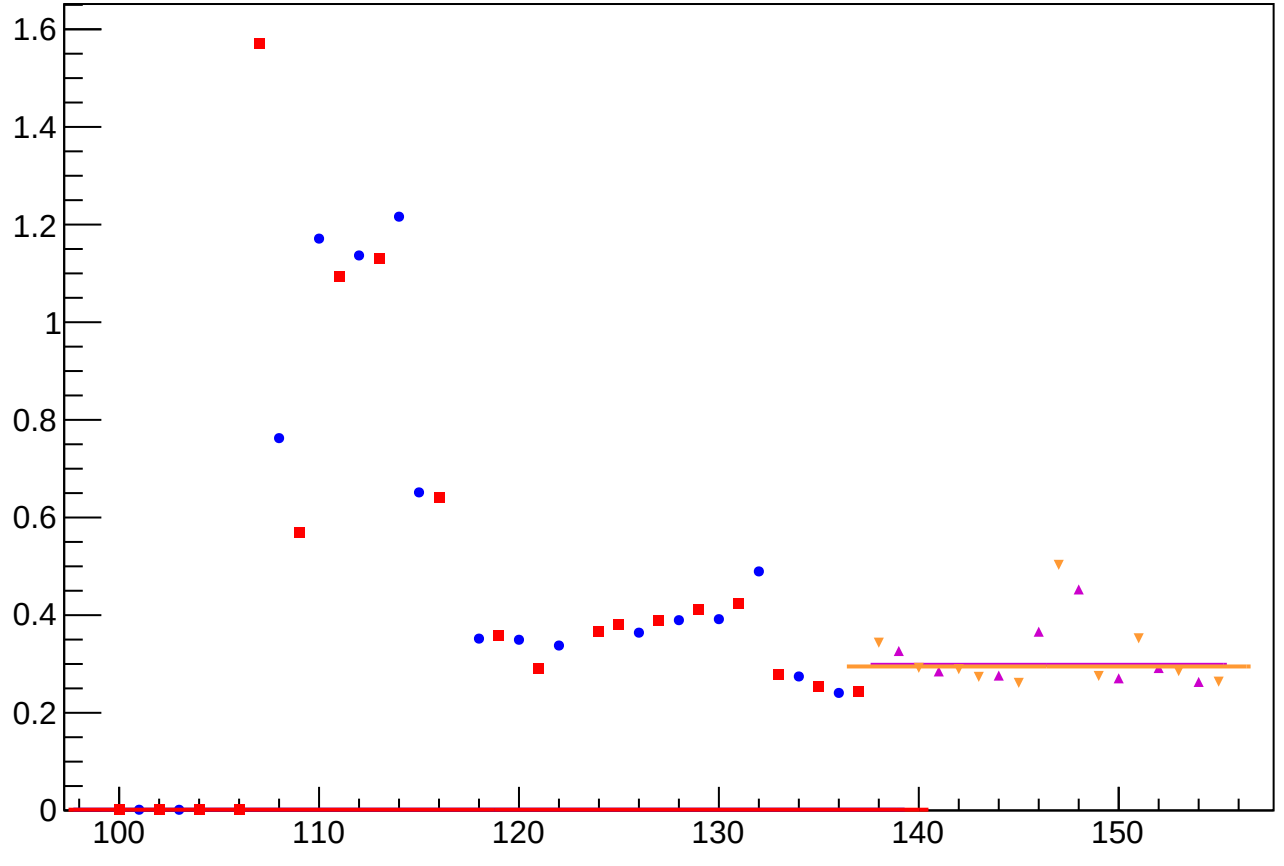
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.641+/-0.000 χ^2/NDF:1022729705539.3/23

Out: 44.769+/-0.000 χ^2/NDF:366595053090672.5

All: 52.670+/-0.000 χ^2/NDF: 418710590160

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.295+/-0.000 χ^2/NDF:413241.1/9

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.298+/-0.000 χ^2/NDF:317440.5/7

Left: 0.296+/-0.000 χ^2/NDF: 731588.2/17

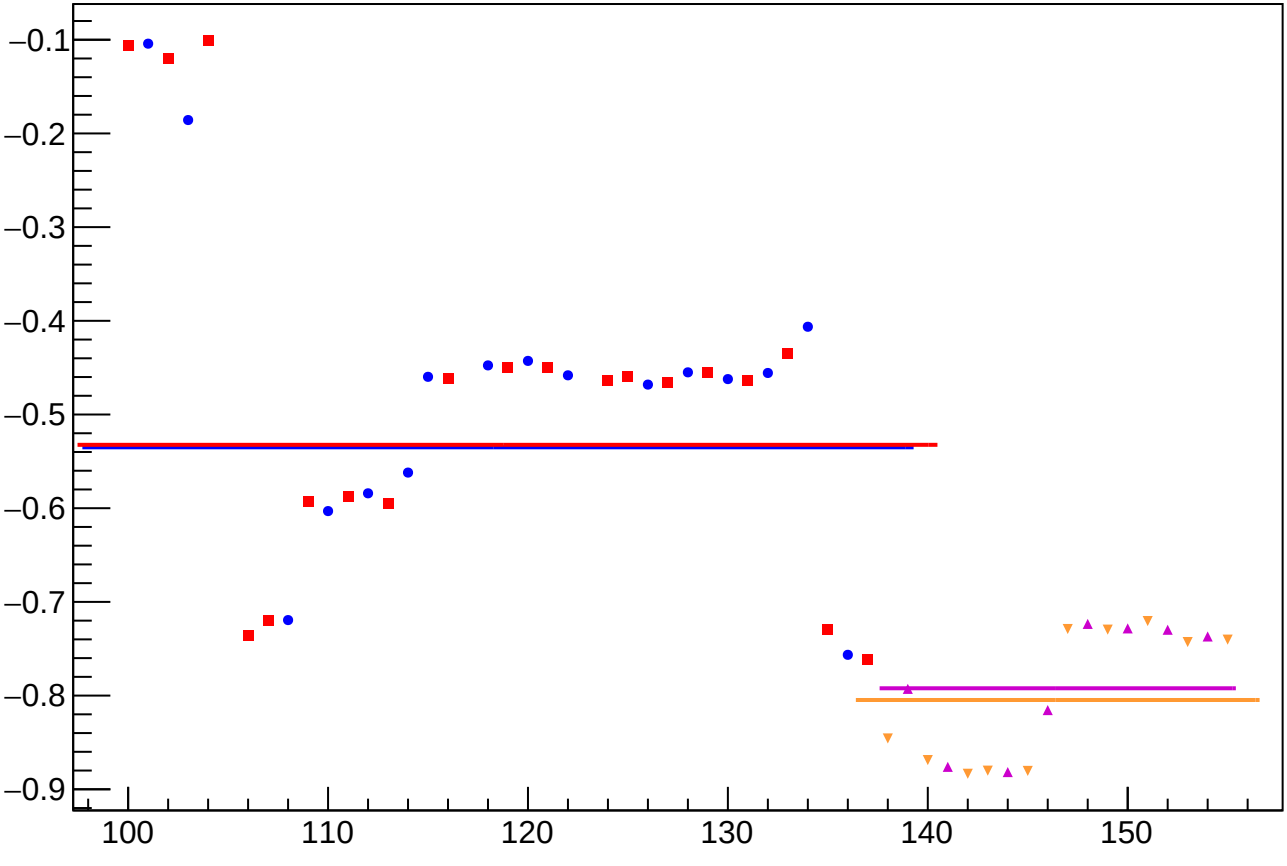
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:24355992.2/23

Out: 0.002+/-0.000 χ^2/NDF:25427799.5/28

All: 0.002+/-0.000 χ^2/NDF: 49783910.9/52

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.805+/-0.000 χ^2/NDF:84467769.6/9

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.792+/-0.000 χ^2/NDF:61678959.2/7

Left: -0.799+/-0.000 χ^2/NDF: 147305959.6/17

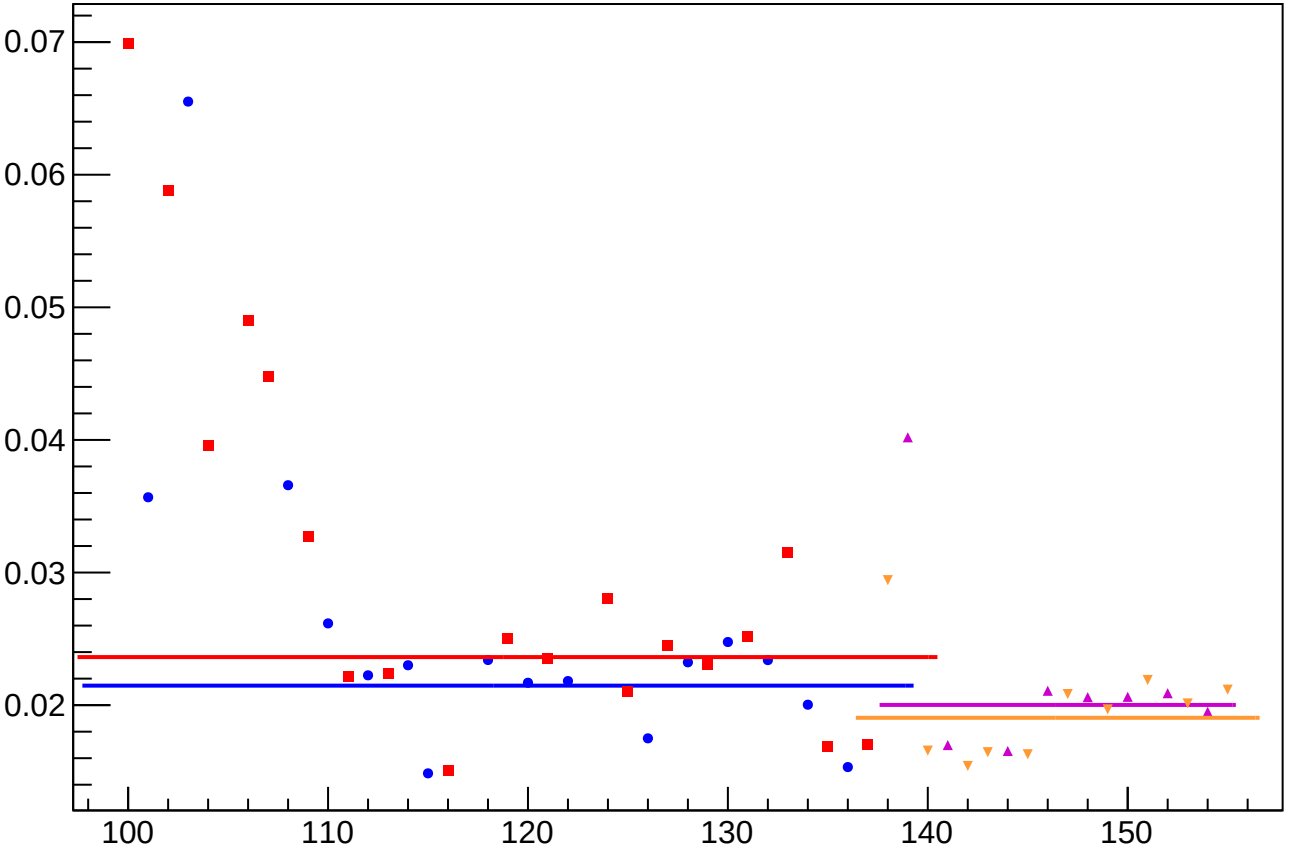
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.673+/-0.000 χ^2/NDF:775997375.9/23

Out: -0.702+/-0.000 χ^2/NDF:759402481.6/28

All: -0.688+/-0.000 χ^2/NDF: 1545768274.5/5

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:333901.1/9

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:530083.6/7

Left: 0.019+/-0.000 χ^2/NDF: 877891.6/17

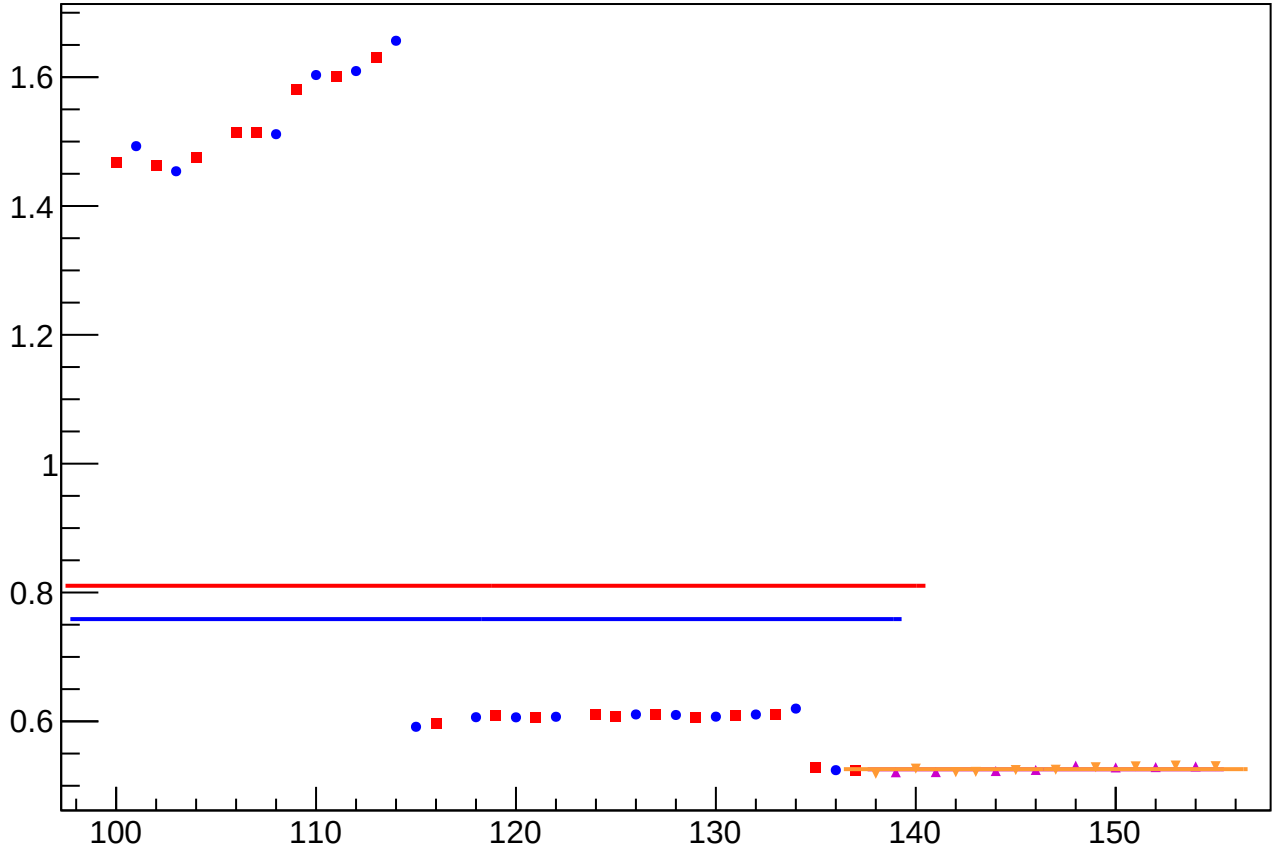
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1710537.1/23

Out: 0.021+/-0.000 χ^2/NDF:1871474.0/28

All: 0.021+/-0.000 χ^2/NDF: 3582223.4/52

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.526+/-0.000 χ^2/NDF:878260.4/9

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.525+/-0.000 χ^2/NDF:607229.5/7

Left: 0.526+/-0.000 χ^2/NDF: 1487366.5/17

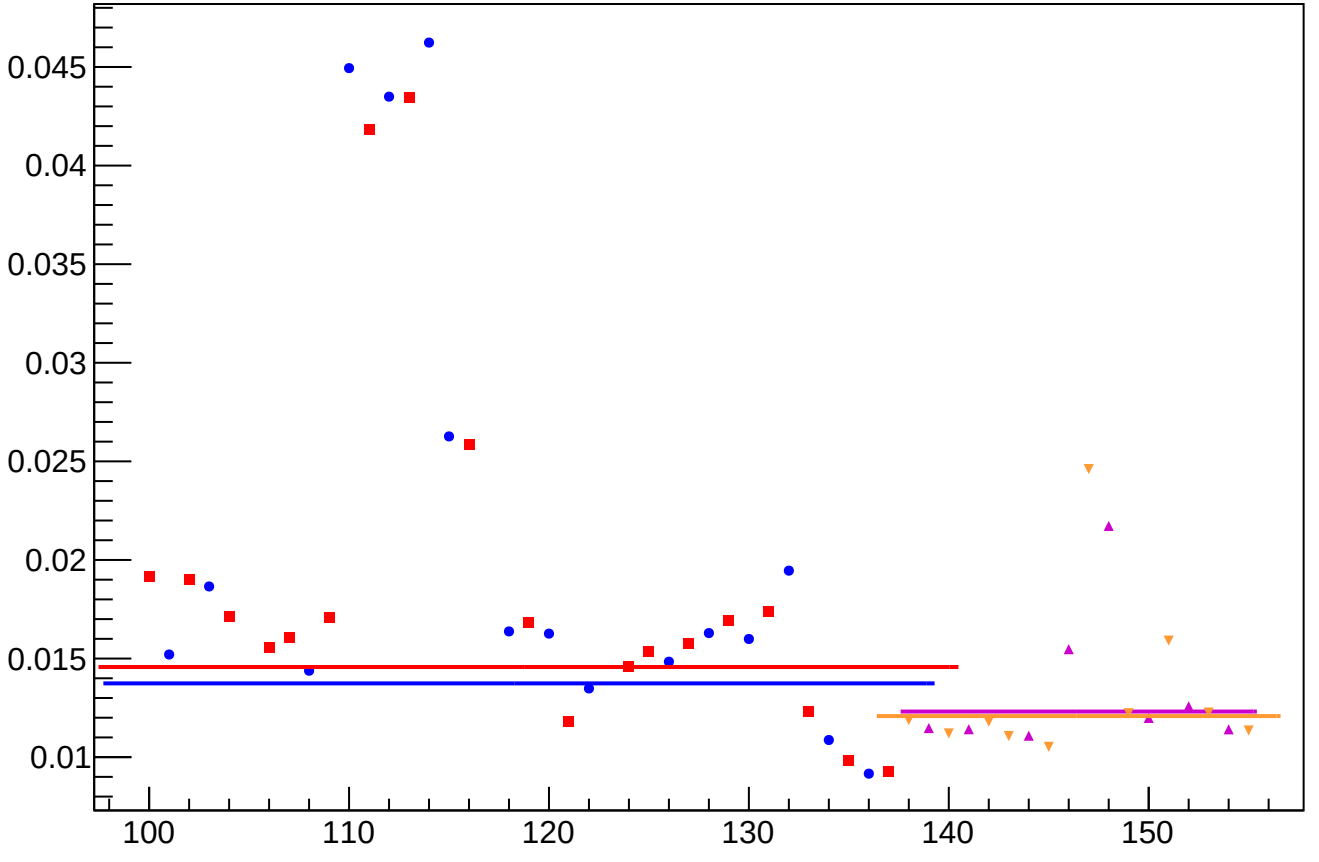
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.624+/-0.000 χ^2/NDF:5294749708.2/23

Out: 0.632+/-0.000 χ^2/NDF:6266674747.7/28

All: 0.628+/-0.000 χ^2/NDF: 11563557655.2/5

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:566598.1/9

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:415353.3/7

Left: 0.012+/-0.000 χ^2/NDF: 984401.8/17

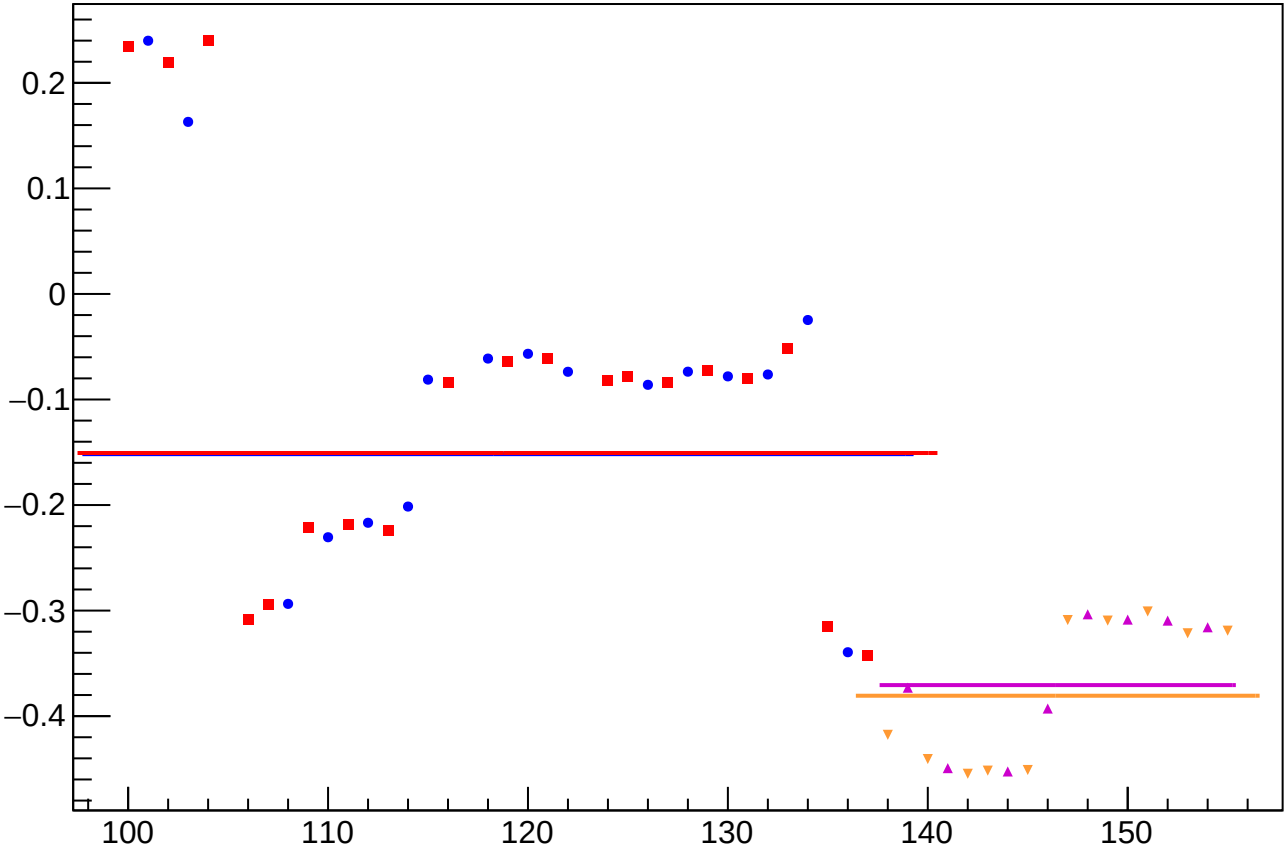
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2139326.2/23

Out: 0.013+/-0.000 χ^2/NDF:2250424.7/28

All: 0.013+/-0.000 χ^2/NDF: 4390381.5/52

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.381+/-0.000 χ^2/NDF:82811823.2/9

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.371+/-0.000 χ^2/NDF:62439721.3/7

Left: -0.376+/-0.000 χ^2/NDF: 146085343.2/17

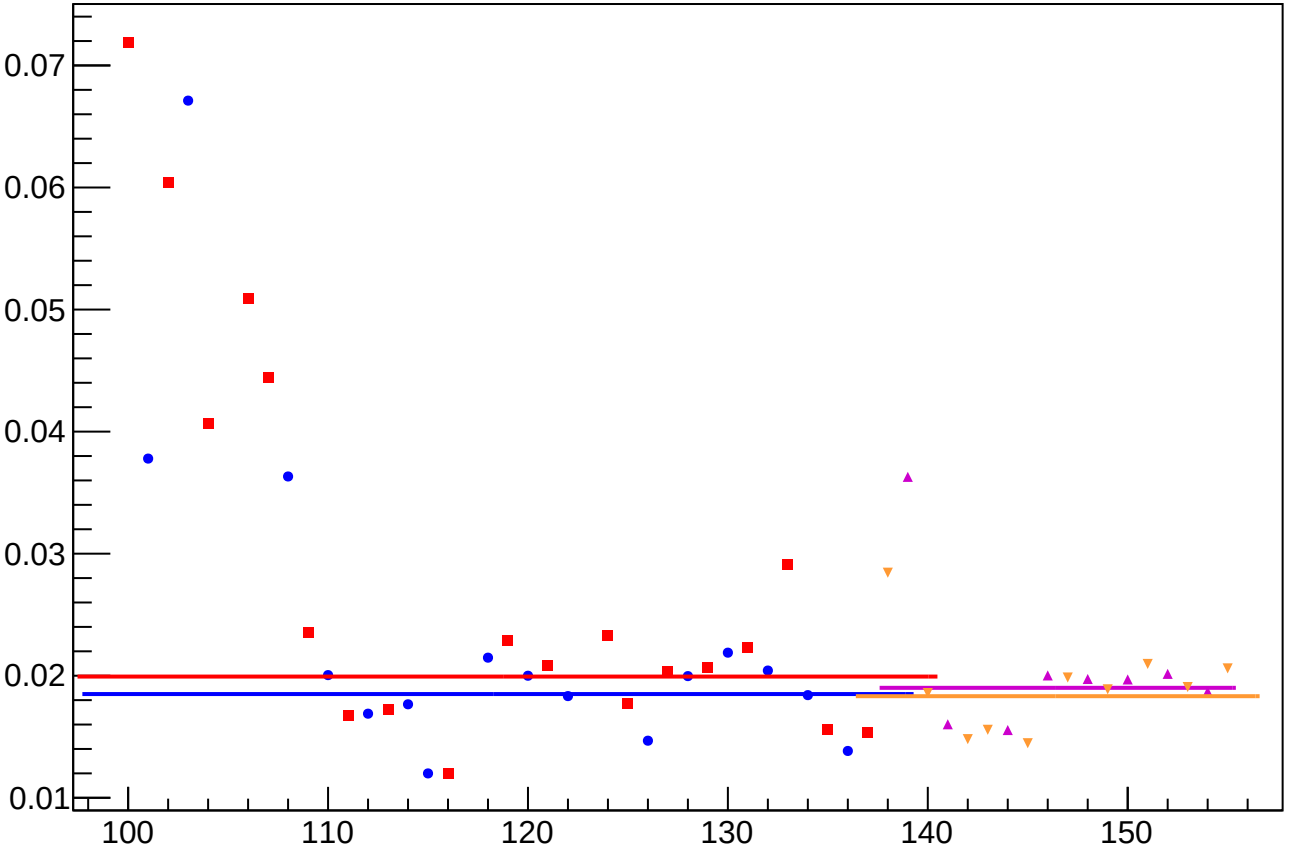
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.260+/-0.000 χ^2/NDF:704730027.1/23

Out: -0.281+/-0.000 χ^2/NDF:693508879.5/28

All: -0.271+/-0.000 χ^2/NDF: 1405085420.7/5

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:372337.8/9

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:502775.4/7

Left: 0.019+/-0.000 χ^2/NDF: 882852.1/17

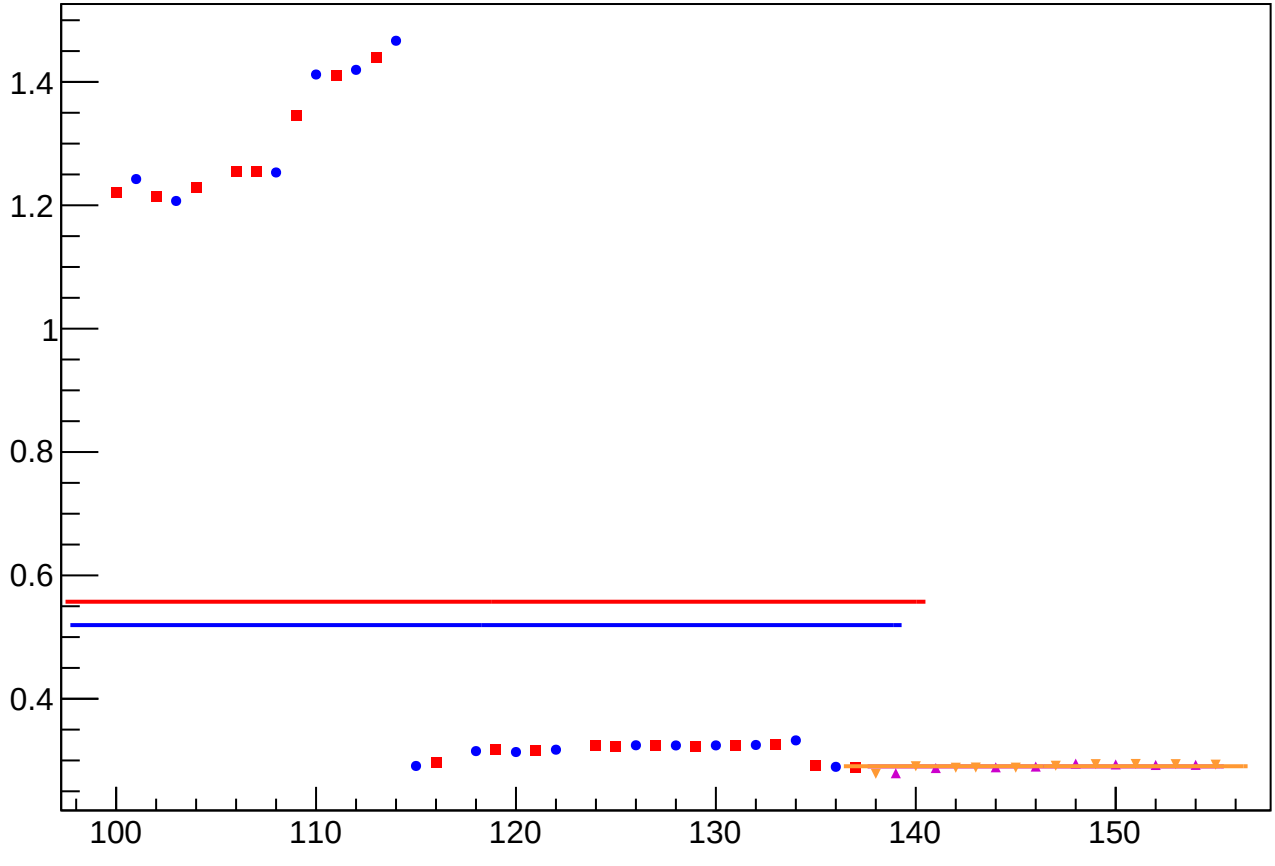
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1879116.6/23

Out: 0.019+/-0.000 χ^2/NDF:1960145.6/28

All: 0.019+/-0.000 χ^2/NDF: 3841484.0/52

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1012999.4/9

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.290+/-0.000 χ^2/NDF:990345.1/7

Left: 0.290+/-0.000 χ^2/NDF: 2006358.8/17

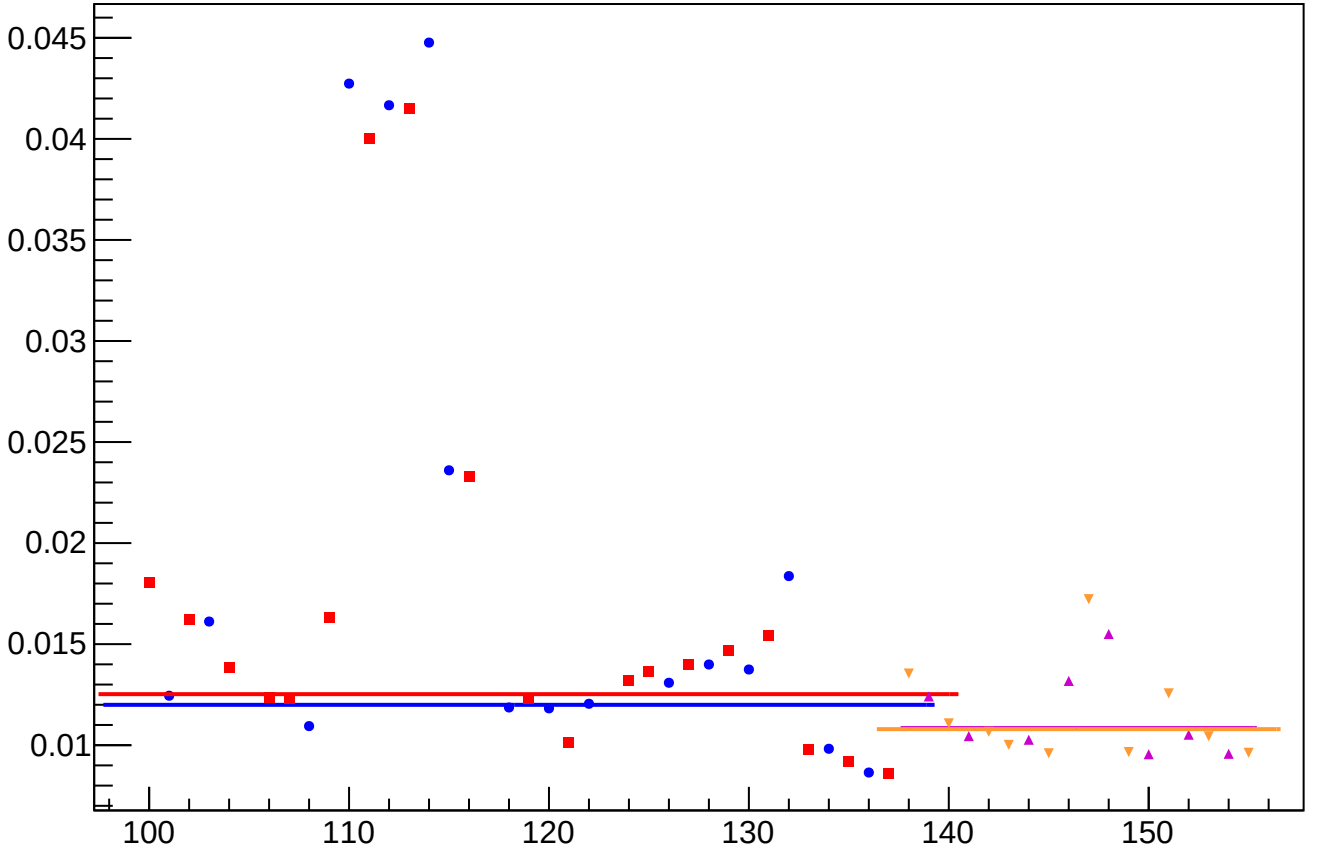
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.388+/-0.000 χ^2/NDF:7569669451.7/23

Out: 0.393+/-0.000 χ^2/NDF:8458713252.5/28

All: 0.390+/-0.000 χ^2/NDF: 16029717022.0/5

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:398103.7/9

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:293773.3/7

Left: 0.011+/-0.000 χ^2/NDF: 692042.8/17

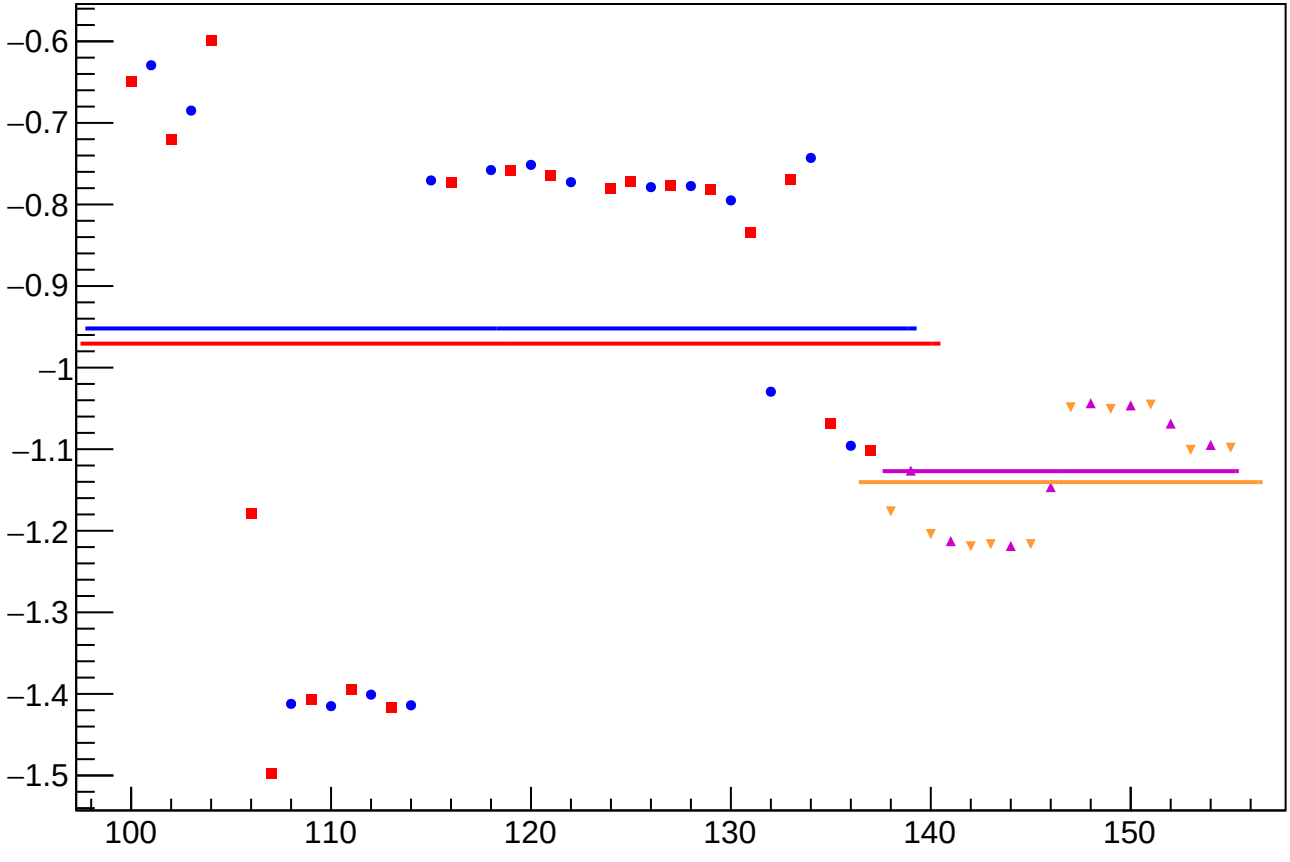
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1848437.7/23

Out: 0.011+/-0.000 χ^2/NDF:1976665.7/28

All: 0.011+/-0.000 χ^2/NDF: 3826583.2/52

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.140+/-0.000 χ^2/NDF:92616143.9/9

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.127+/-0.000 χ^2/NDF:69503972.3/7

Left: -1.134+/-0.000 χ^2/NDF: 163534374.1/17

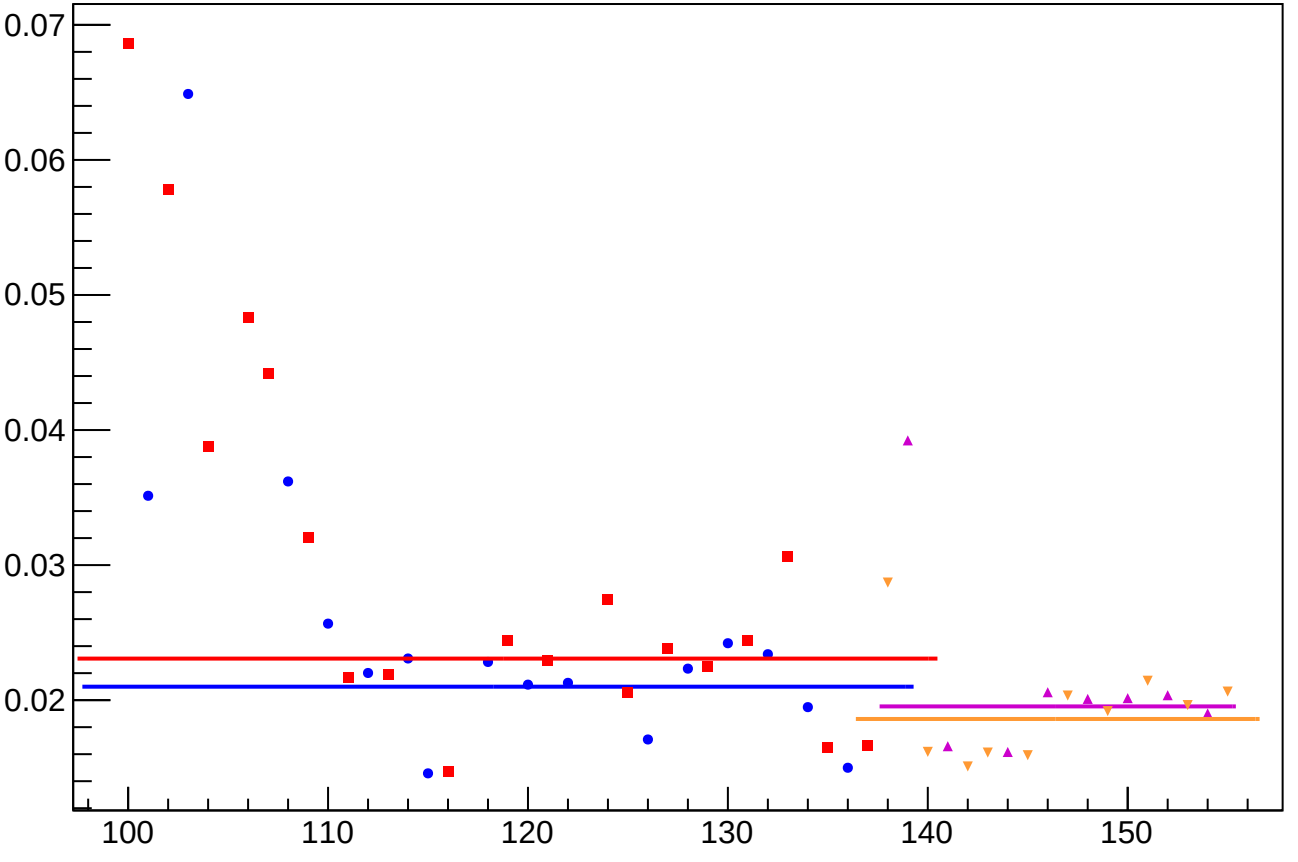
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.046+/-0.000 χ^2/NDF:969190546.7/23

Out: -1.076+/-0.000 χ^2/NDF:994521586.0/28

All: -1.062+/-0.000 χ^2/NDF: 1975863196.4/5

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:331324.9/9

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.020+/-0.000 χ^2/NDF:529092.7/7

Left: 0.019+/-0.000 χ^2/NDF: 873895.2/17

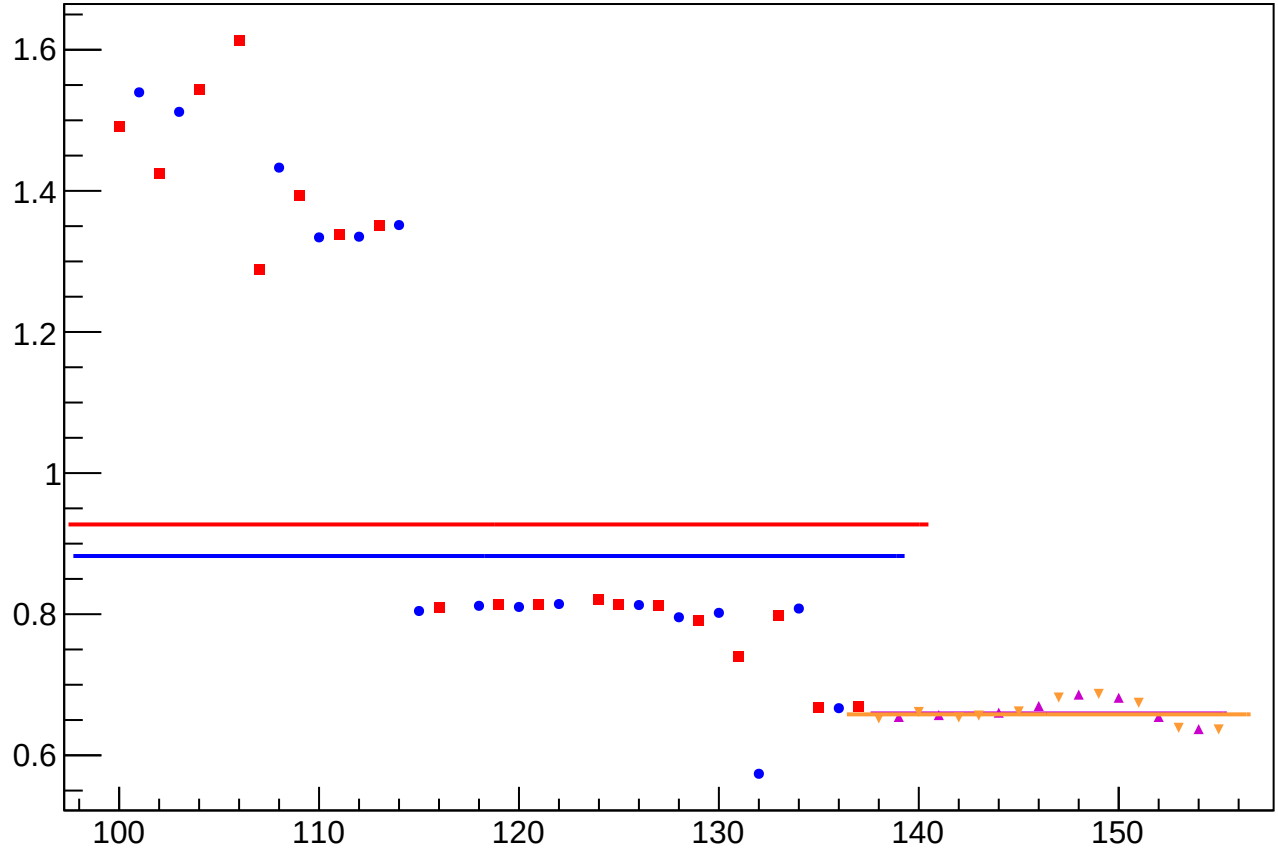
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1723994.1/23

Out: 0.020+/-0.000 χ^2/NDF:1872421.4/28

All: 0.020+/-0.000 χ^2/NDF: 3596603.9/52

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.658+/-0.000 χ^2/NDF:11430813.8/9

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.659+/-0.000 χ^2/NDF:8211786.6/7

Left: 0.659+/-0.000 χ^2/NDF: 19685419.4/17

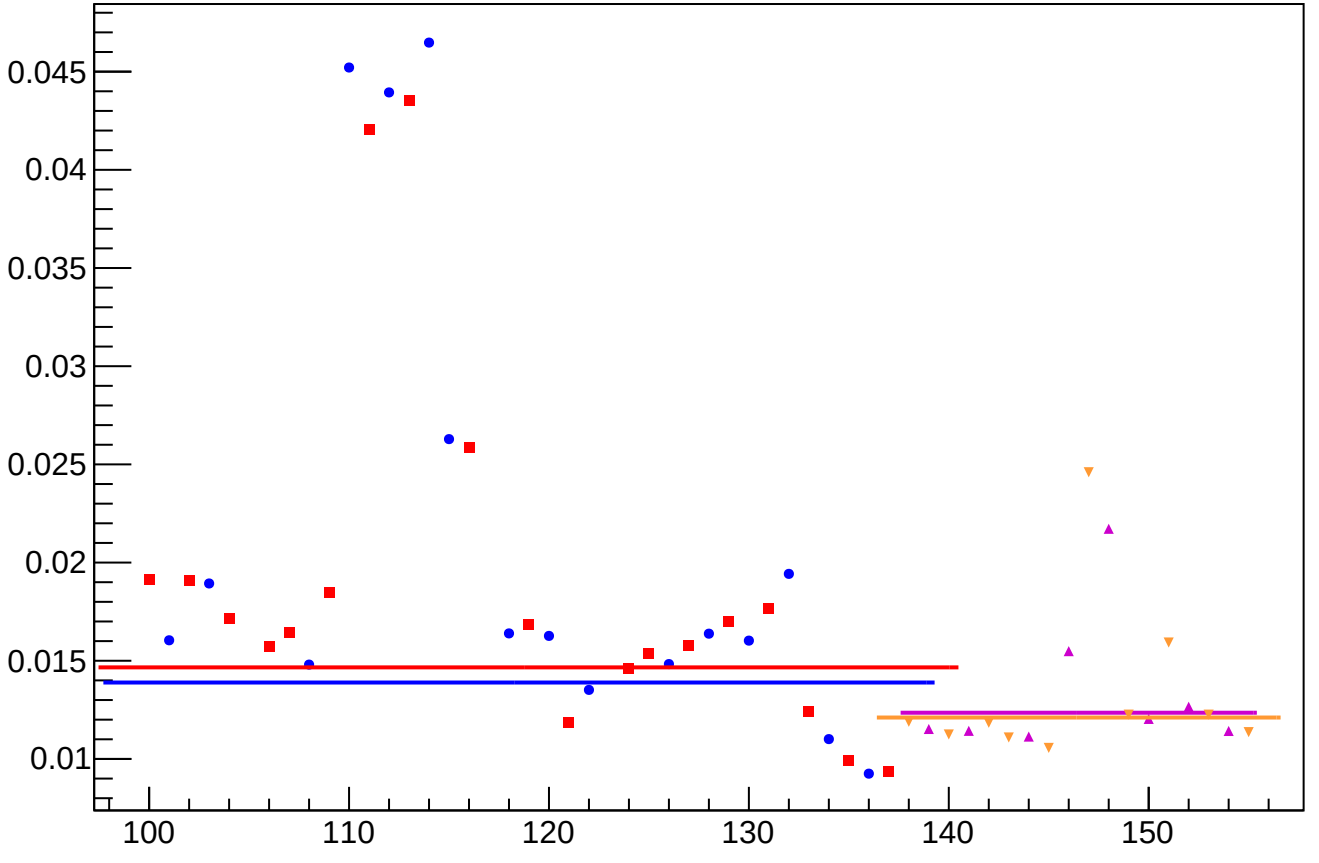
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.753+/-0.000 χ^2/NDF:3681935857.6/23

Out: 0.757+/-0.000 χ^2/NDF:4095247492.9/28

All: 0.755+/-0.000 χ^2/NDF: 7777964358.5/52

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:562443.6/9

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:411829.0/7

Left: 0.012+/-0.000 χ^2/NDF: 977019.7/17

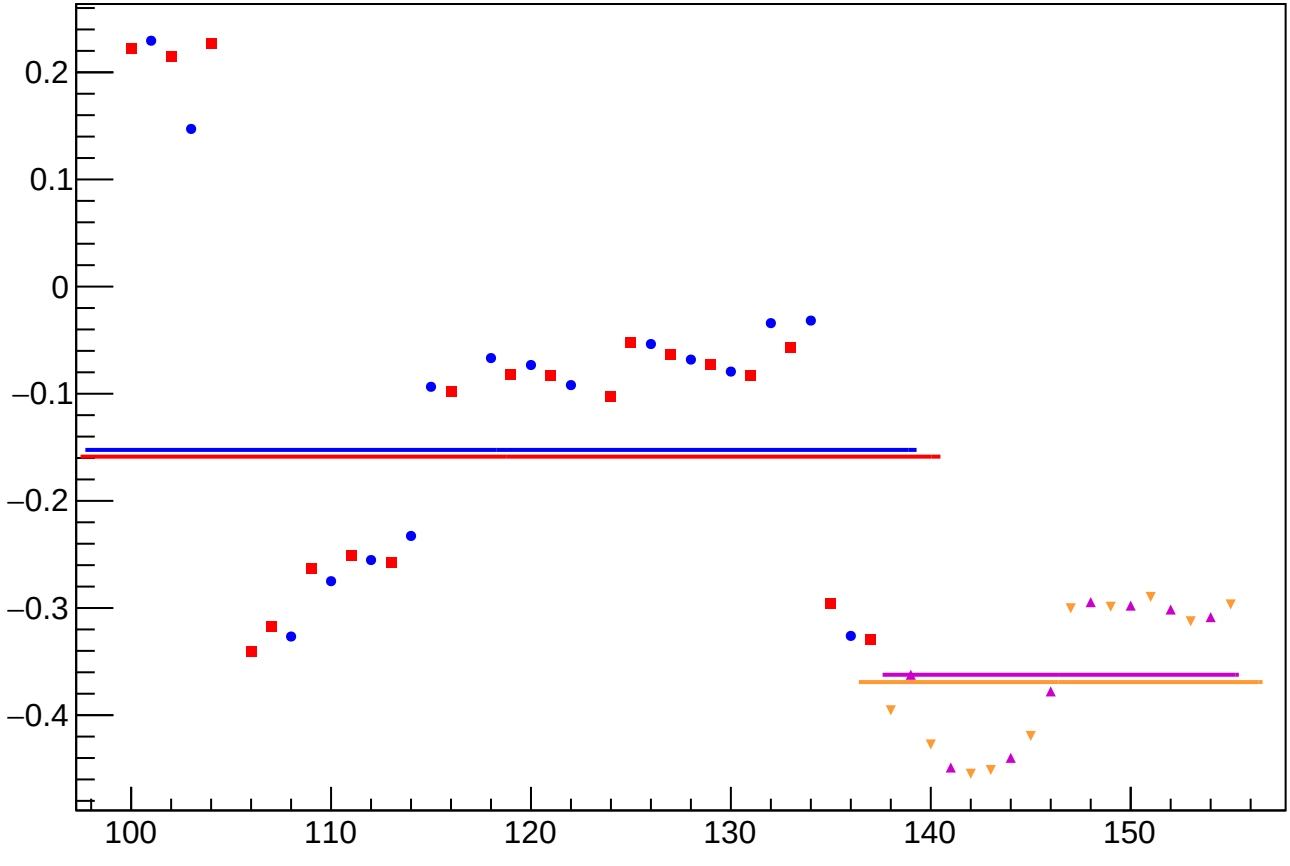
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2143100.9/23

Out: 0.013+/-0.000 χ^2/NDF:2267272.2/28

All: 0.013+/-0.000 χ^2/NDF: 4410586.8/52

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.369+/-0.000 χ^2/NDF:82256647.7/9

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.362+/-0.000 χ^2/NDF:62903759.0/7

Left: -0.366+/-0.000 χ^2/NDF: 145538433.1/17

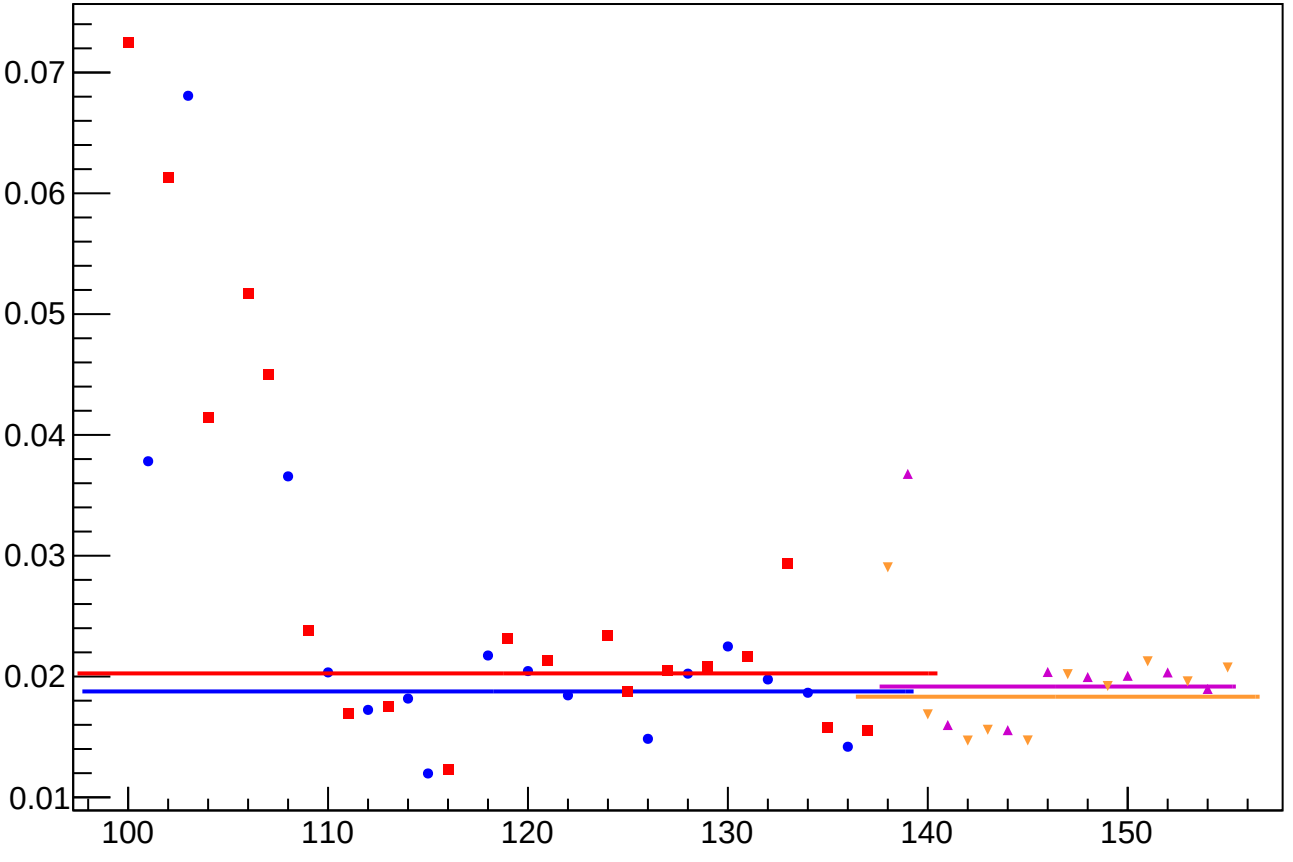
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.257+/-0.000 χ^2/NDF:665750948.6/23

Out: -0.279+/-0.000 χ^2/NDF:614721128.5/28

All: -0.268+/-0.000 χ^2/NDF: 1288210001.8/5

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:401008.3/9

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:520212.8/7

Left: 0.019+/-0.000 χ^2/NDF: 932719.2/17

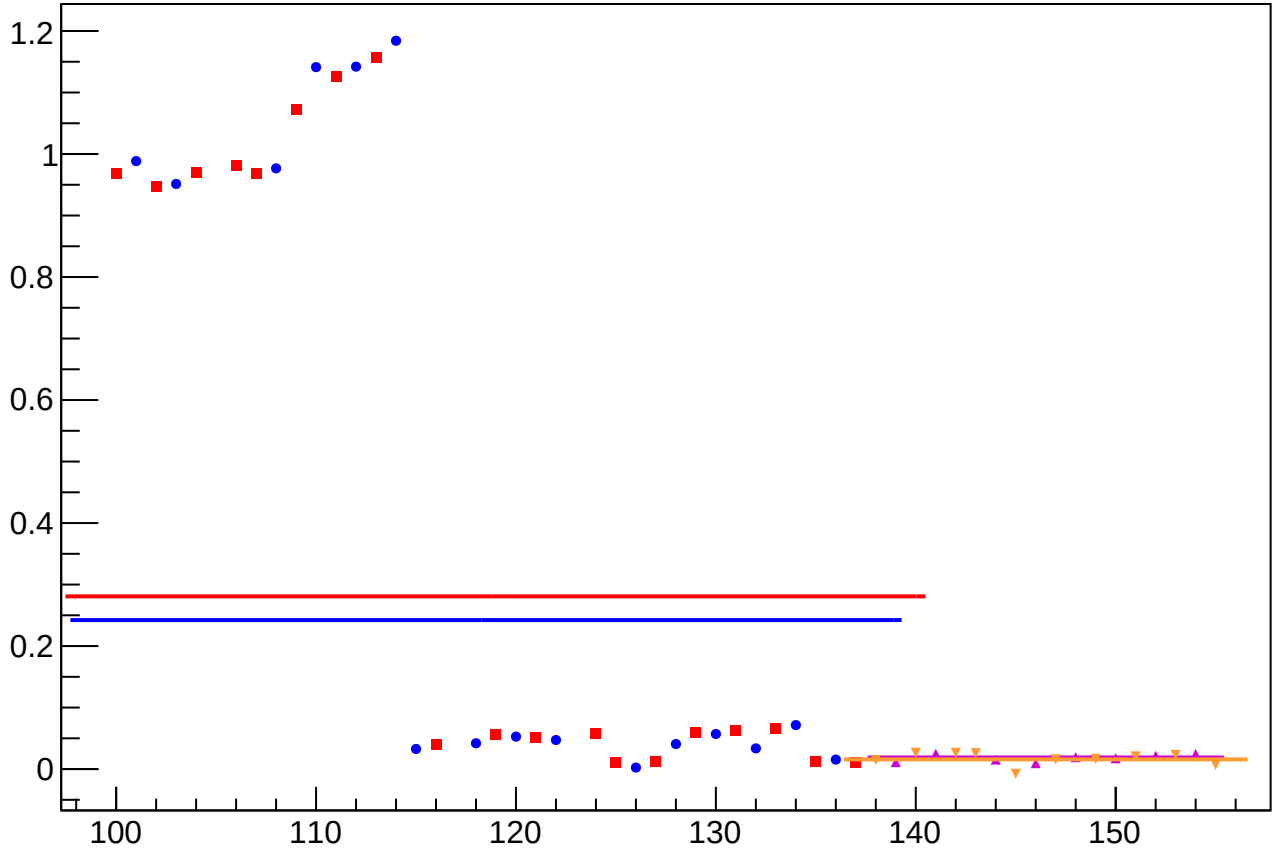
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1872073.4/23

Out: 0.019+/-0.000 χ^2/NDF:1987281.3/28

All: 0.019+/-0.000 χ^2/NDF: 3860387.6/52

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:7944296.0/9

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.019+/-0.000 χ^2/NDF:1499587.5/7

Left: 0.017+/-0.000 χ^2/NDF: 9722236.3/17

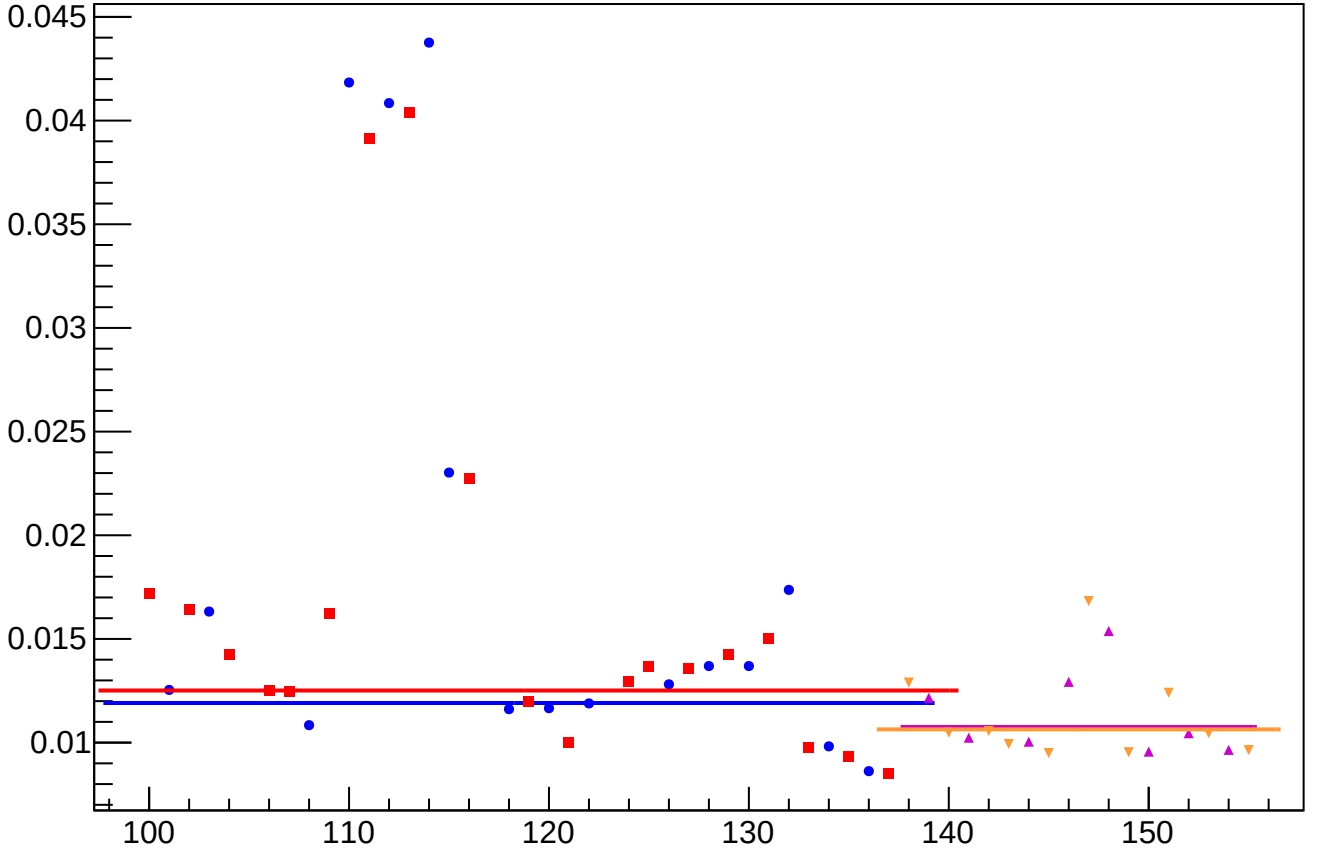
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.114+/-0.000 χ^2/NDF:7718025263.8/23

Out: 0.116+/-0.000 χ^2/NDF:8478875014.1/28

All: 0.115+/-0.000 χ^2/NDF: 16197100486.7/5

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:364118.1/9

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:277420.0/7

Left: 0.011+/-0.000 χ^2/NDF: 642346.3/17

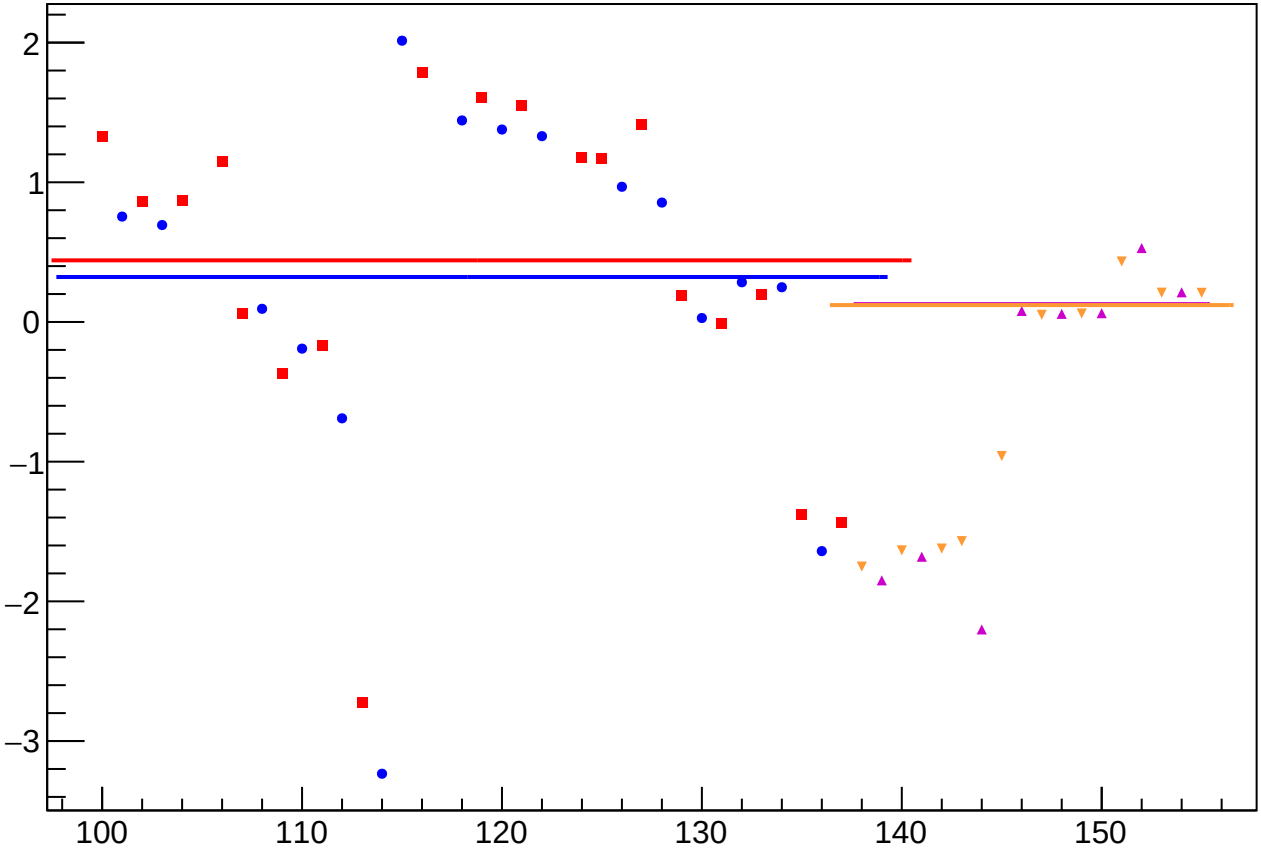
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1801711.3/23

Out: 0.011+/-0.000 χ^2/NDF:1928144.2/28

All: 0.011+/-0.000 χ^2/NDF: 3730871.5/52

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.121+/-0.000 χ^2/NDF:1590499656.0/9

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 0.128+/-0.000 χ^2/NDF:2307689677.6/7

Left: 0.125+/-0.000 χ^2/NDF: 3898530277.2/17

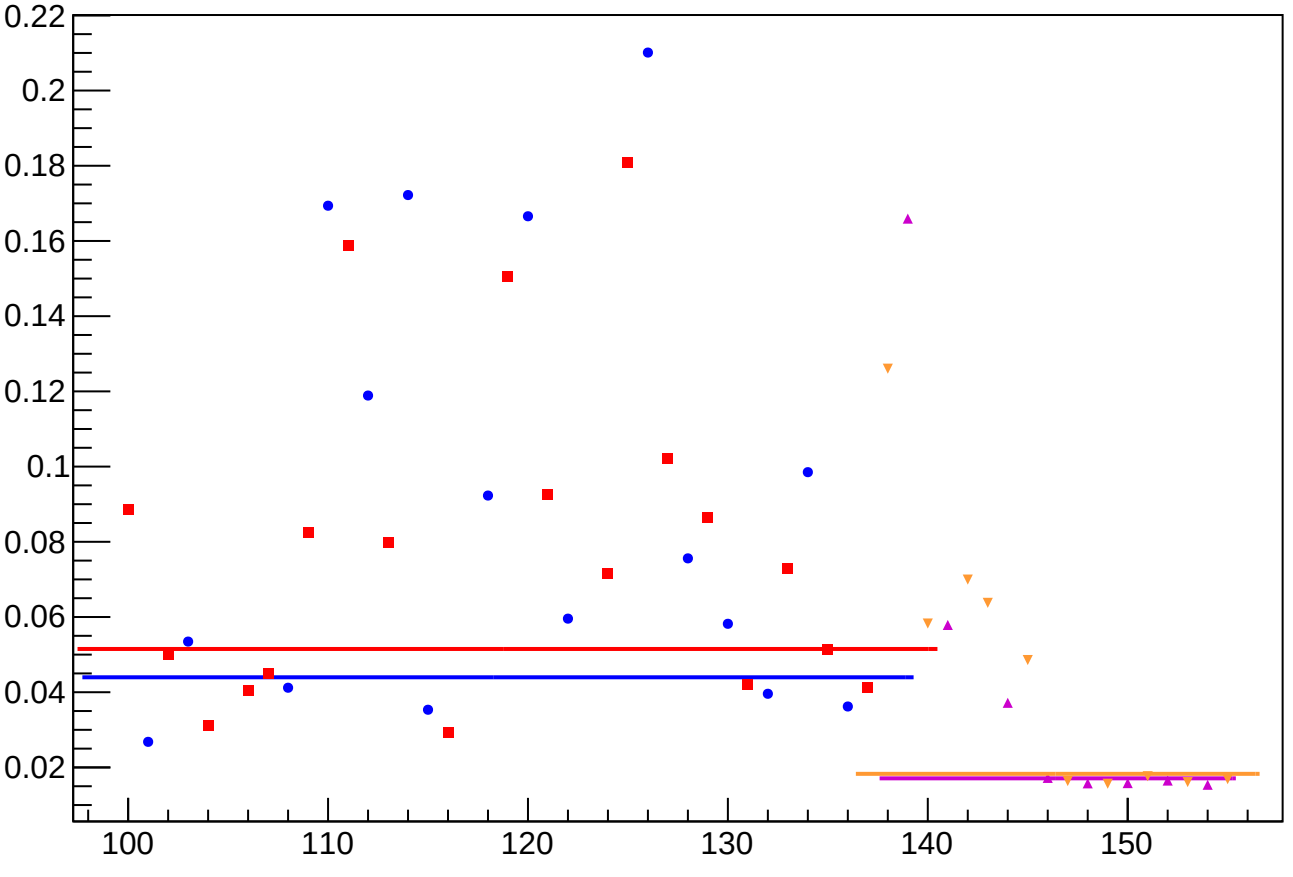
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.151+/-0.000 χ^2/NDF:4038450490.1/23

Out: 0.155+/-0.000 χ^2/NDF:3538104618.8/28

All: 0.153+/-0.000 χ^2/NDF: 7576664166.6/52

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.018+/-0.000 χ^2/NDF:2642614.0/9

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.017+/-0.000 χ^2/NDF:1949342.4/7

Left: 0.018+/-0.000 χ^2/NDF: 4612522.1/17

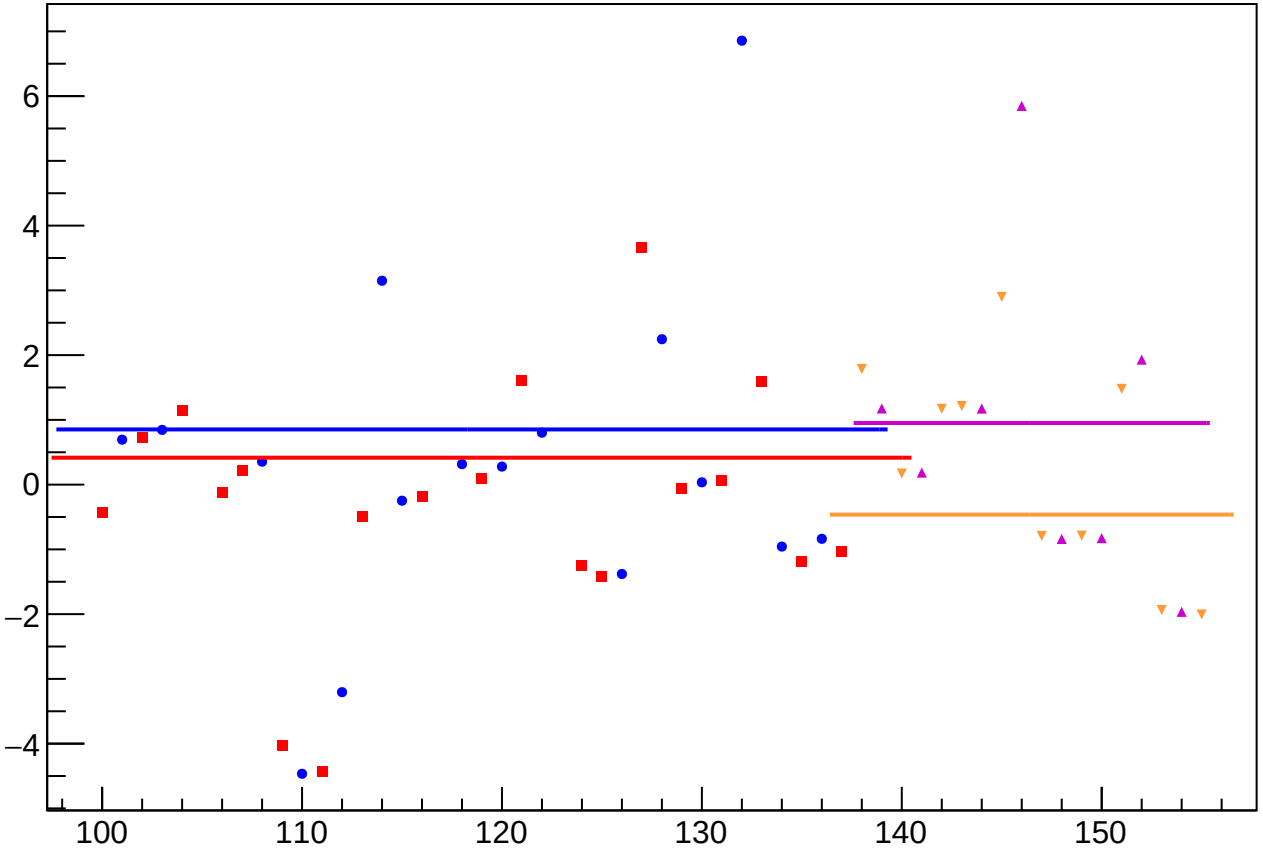
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.020+/-0.000 χ^2/NDF:7261059.9/23

Out: 0.022+/-0.000 χ^2/NDF:8257114.3/28

All: 0.021+/-0.000 χ^2/NDF: 15553998.6/52

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: -0.463+/-0.000 χ^2/NDF:71816550806.5/9

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.952+/-0.000 χ^2/NDF:174359234788.7/7

Left: 0.239+/-0.000 χ^2/NDF: 267533036236.7/17

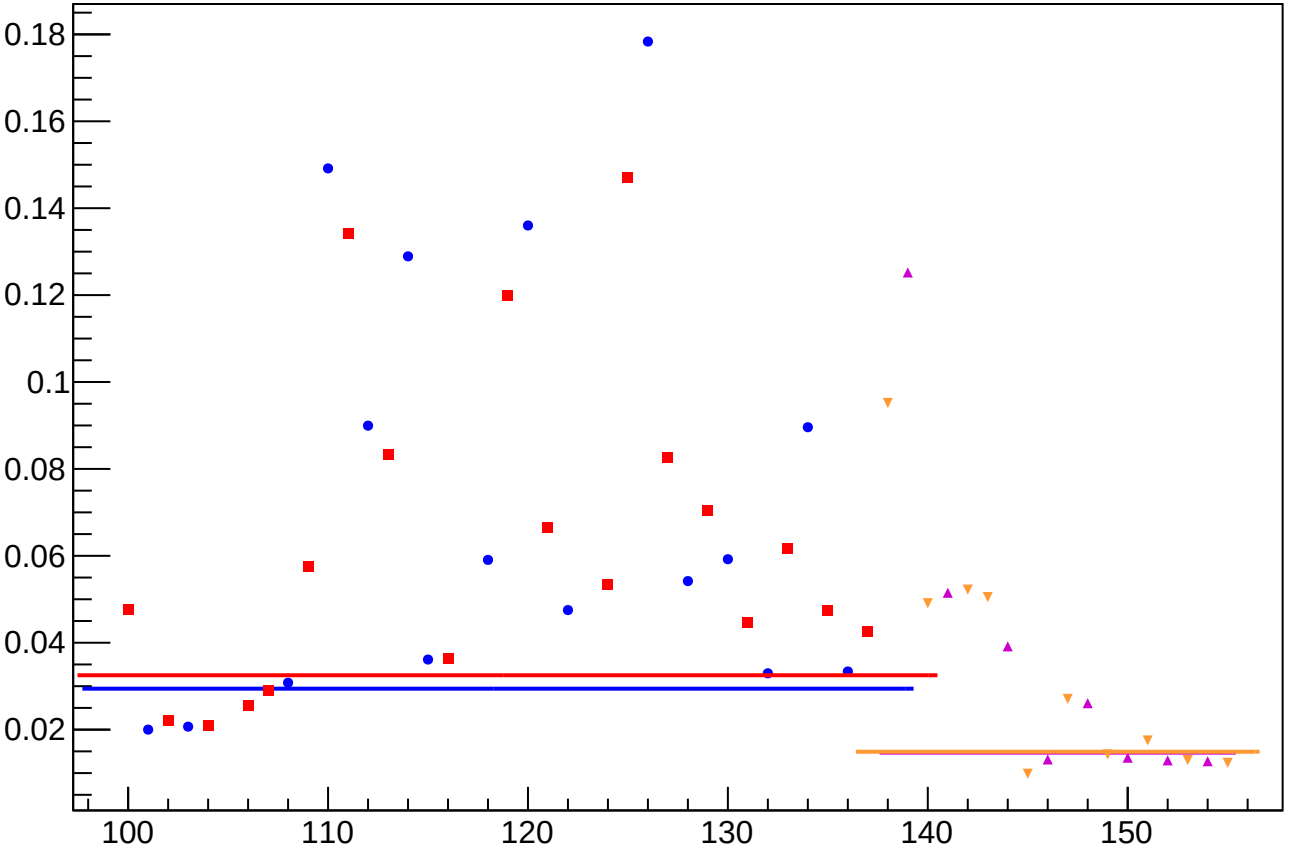
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.935+/-0.000 χ^2/NDF:185970277986.6/23

Out: -0.328+/-0.000 χ^2/NDF:79489896949.0/28

All: 0.304+/-0.000 χ^2/NDF: 285741975189.4

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.015+/-0.000 χ^2/NDF:2733749.4/9

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.015+/-0.000 χ^2/NDF:2430429.4/7

Left: 0.015+/-0.000 χ^2/NDF: 5165167.7/17

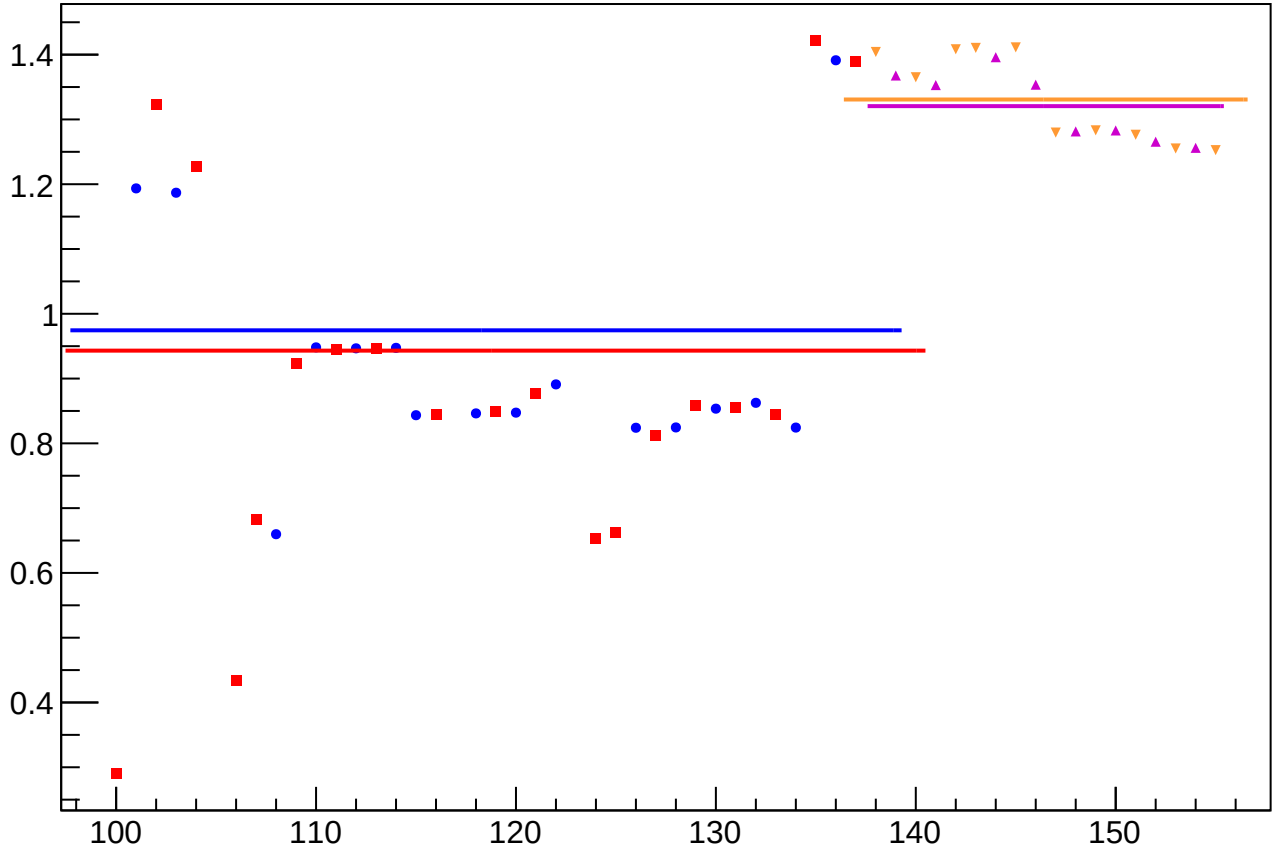
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.017+/-0.000 χ^2/NDF:7160811.8/23

Out: 0.018+/-0.000 χ^2/NDF:8094834.2/28

All: 0.017+/-0.000 χ^2/NDF: 15260834.1/52

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.331+/-0.000 χ^2/NDF:176434026.2/9

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.321+/-0.000 χ^2/NDF:90699240.3/7

Left: 1.326+/-0.000 χ^2/NDF: 269152446.5/17

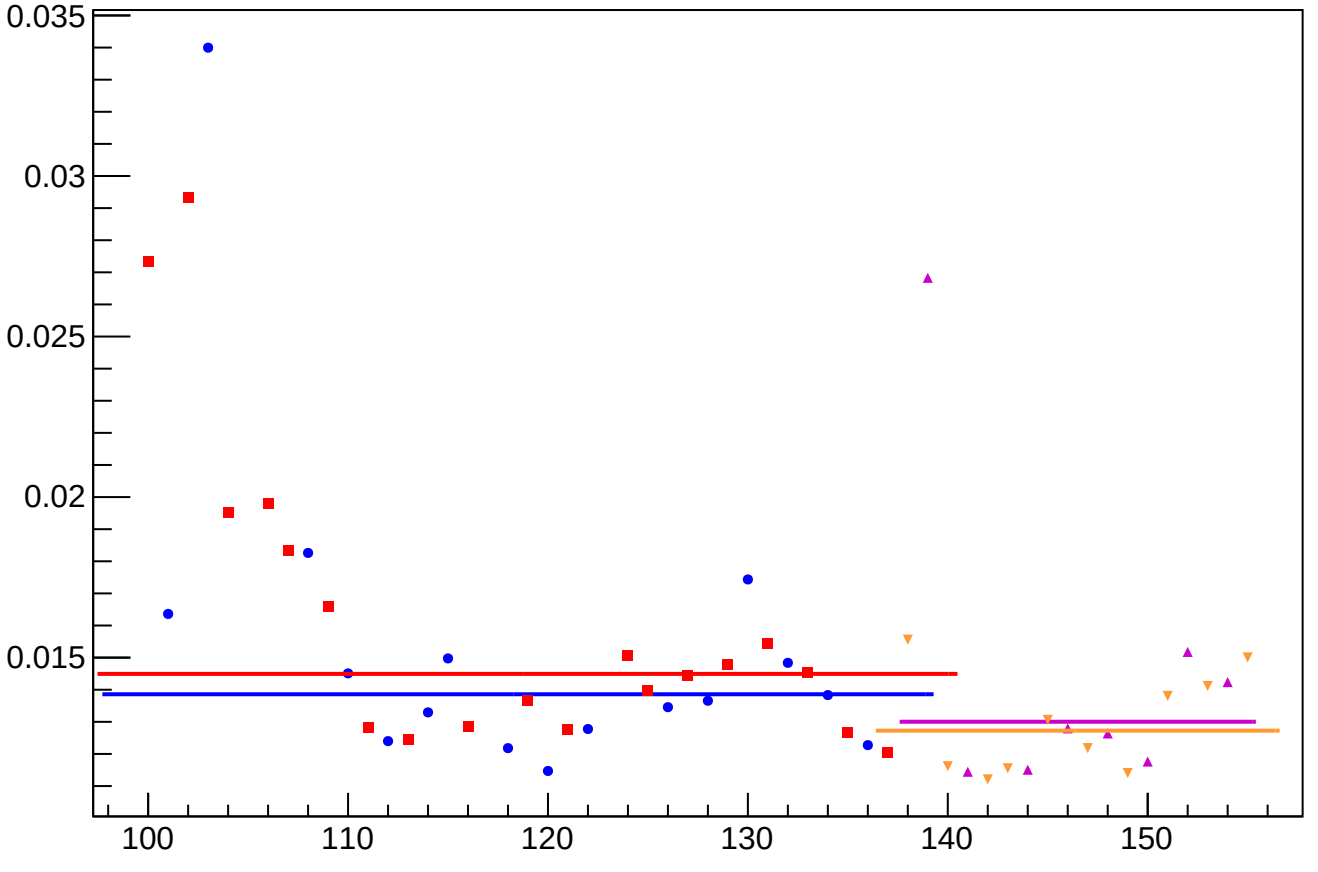
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.156+/-0.000 χ^2/NDF:3584456377.8/23

Out: 1.167+/-0.000 χ^2/NDF:4492799402.7/28

All: 1.162+/-0.000 χ^2/NDF: 8081141720.9/52

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:164975.4/9

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:549161.0/7

Left: 0.013+/-0.000 χ^2/NDF: 717089.3/17

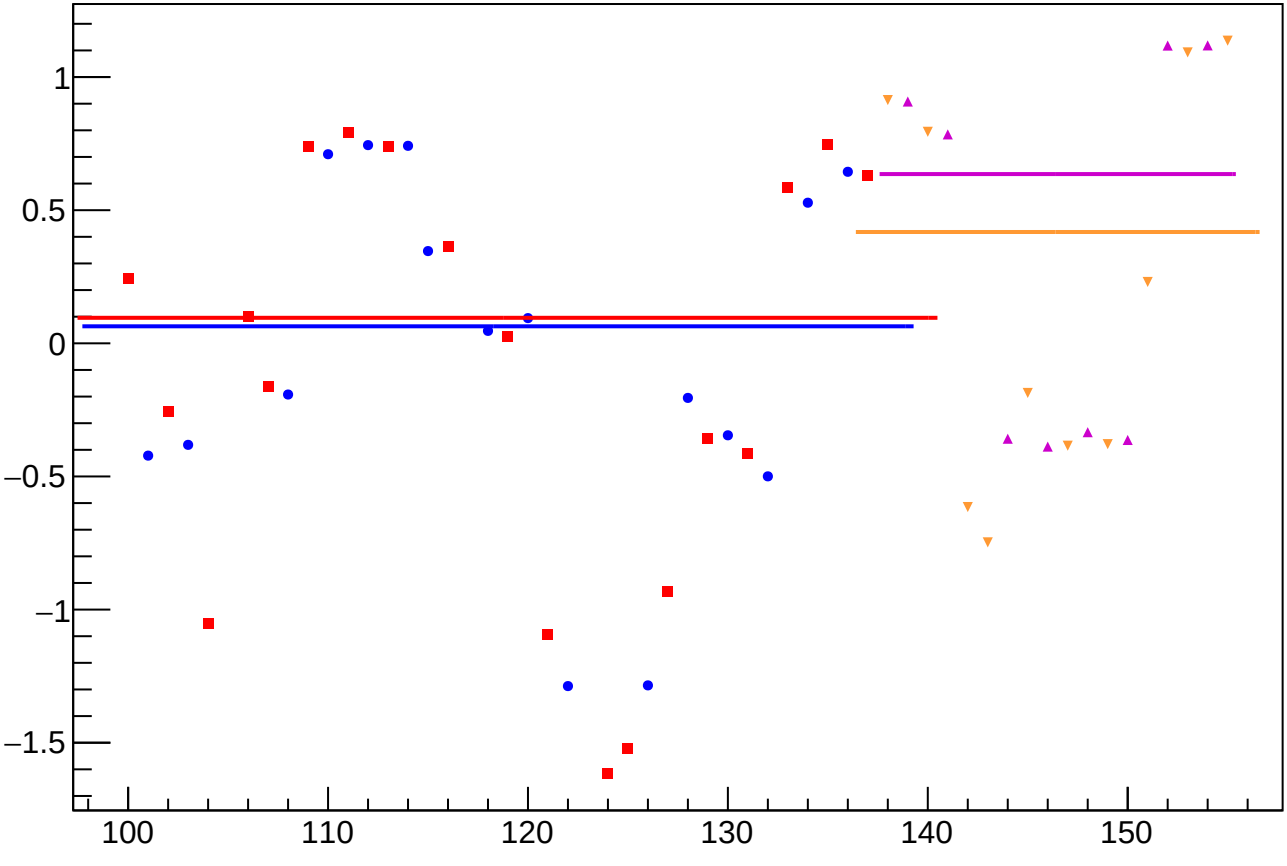
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.013+/-0.000 χ^2/NDF:1174056.3/23

Out: 0.013+/-0.000 χ^2/NDF:819275.6/28

All: 0.013+/-0.000 χ^2/NDF: 1993620.8/52

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.418+/-0.000 χ^2/NDF:24139899510.4/9

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.636+/-0.000 χ^2/NDF:16398080475.6/7

Left: 0.526+/-0.000 χ^2/NDF: 41812215164.9/17

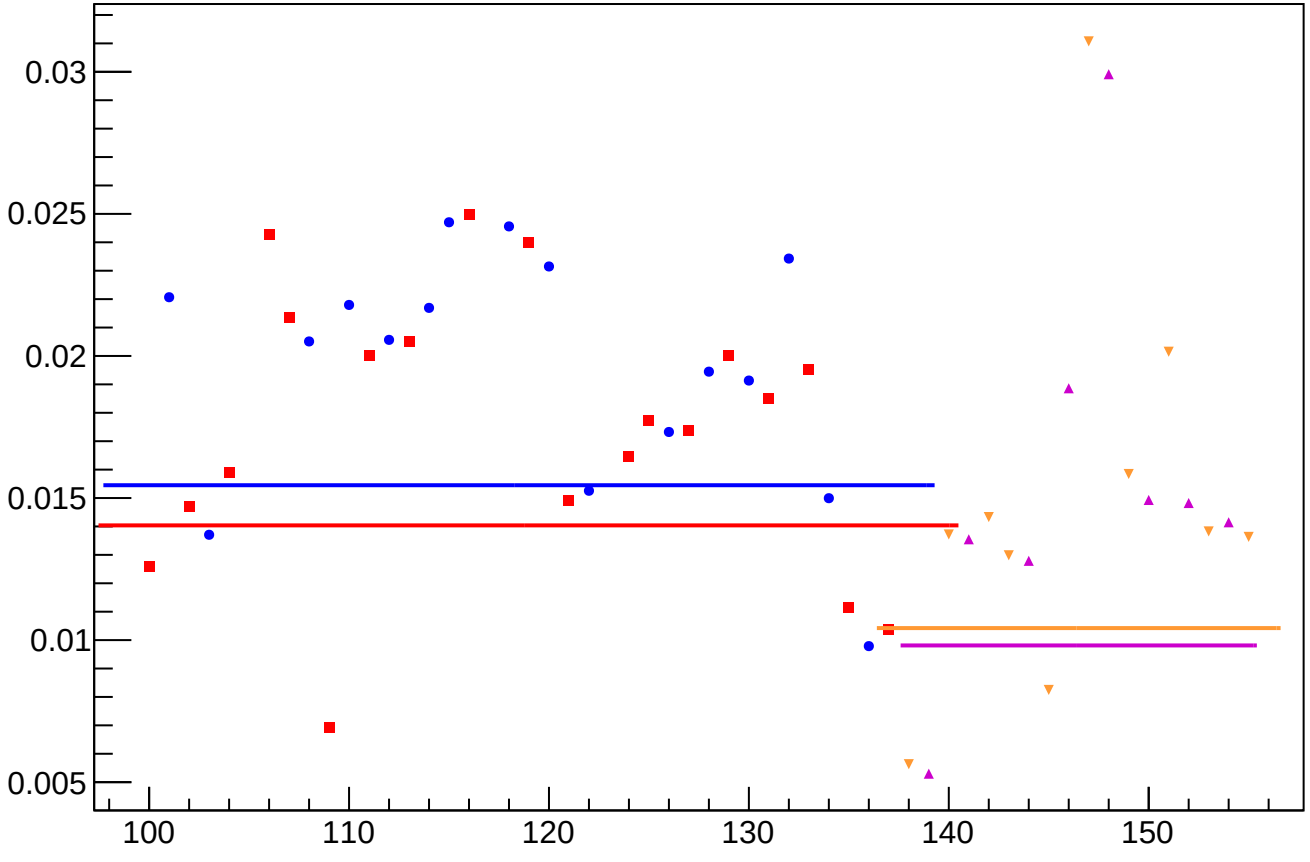
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.452+/-0.000 χ^2/NDF:33020981248.7/23

Out: 0.304+/-0.000 χ^2/NDF:43926830762.0/28

All: 0.375+/-0.000 χ^2/NDF: 77839291449.9/5

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:2623740.0/9

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.010+/-0.000 χ^2/NDF:3002512.8/7

Left: 0.010+/-0.000 χ^2/NDF: 5646337.5/17

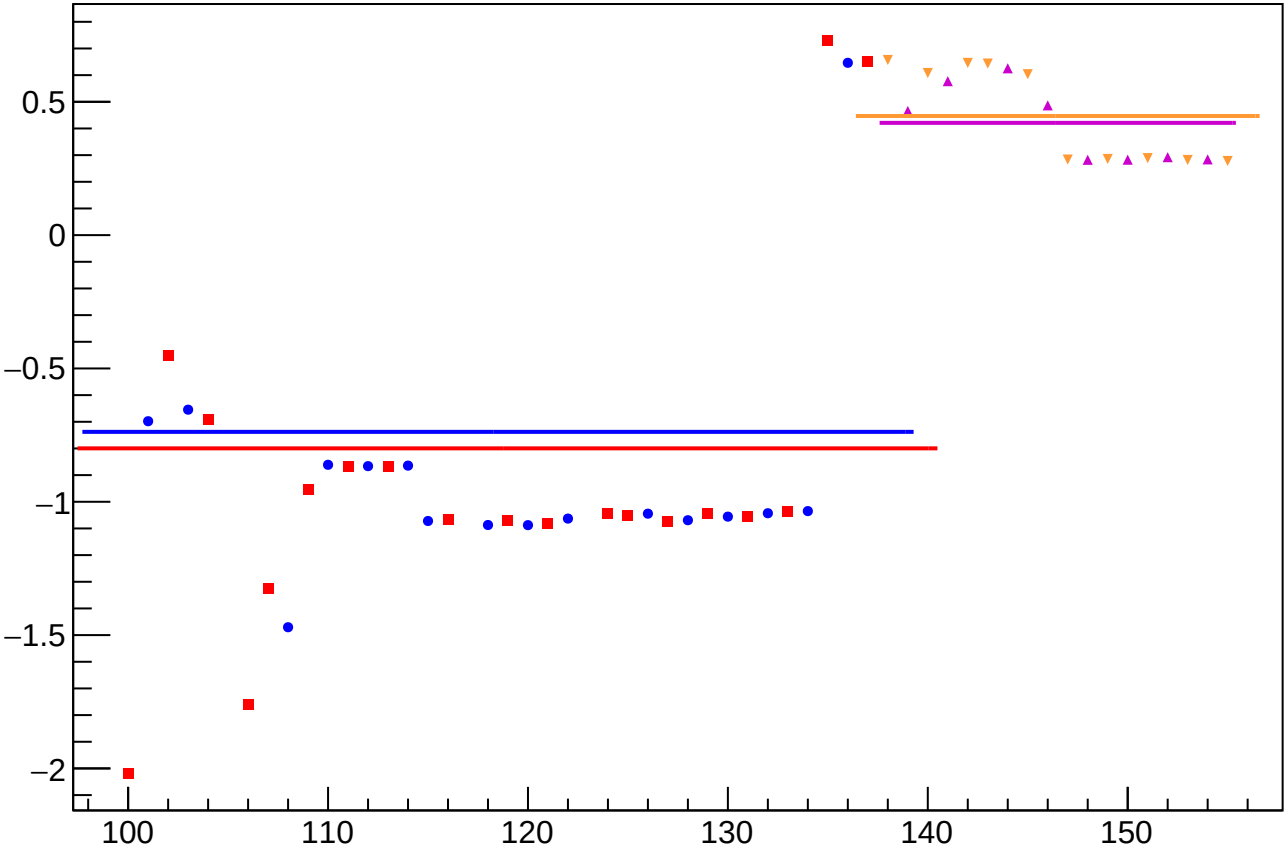
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5382982.6/23

Out: 0.012+/-0.000 χ^2/NDF:4814007.5/28

All: 0.012+/-0.000 χ^2/NDF: 10197519.1/52

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.447+/-0.000 χ^2/NDF:188276275.5/9

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.421+/-0.000 χ^2/NDF:114512936.8/7

Left: 0.435+/-0.000 χ^2/NDF: 304724859.1/17

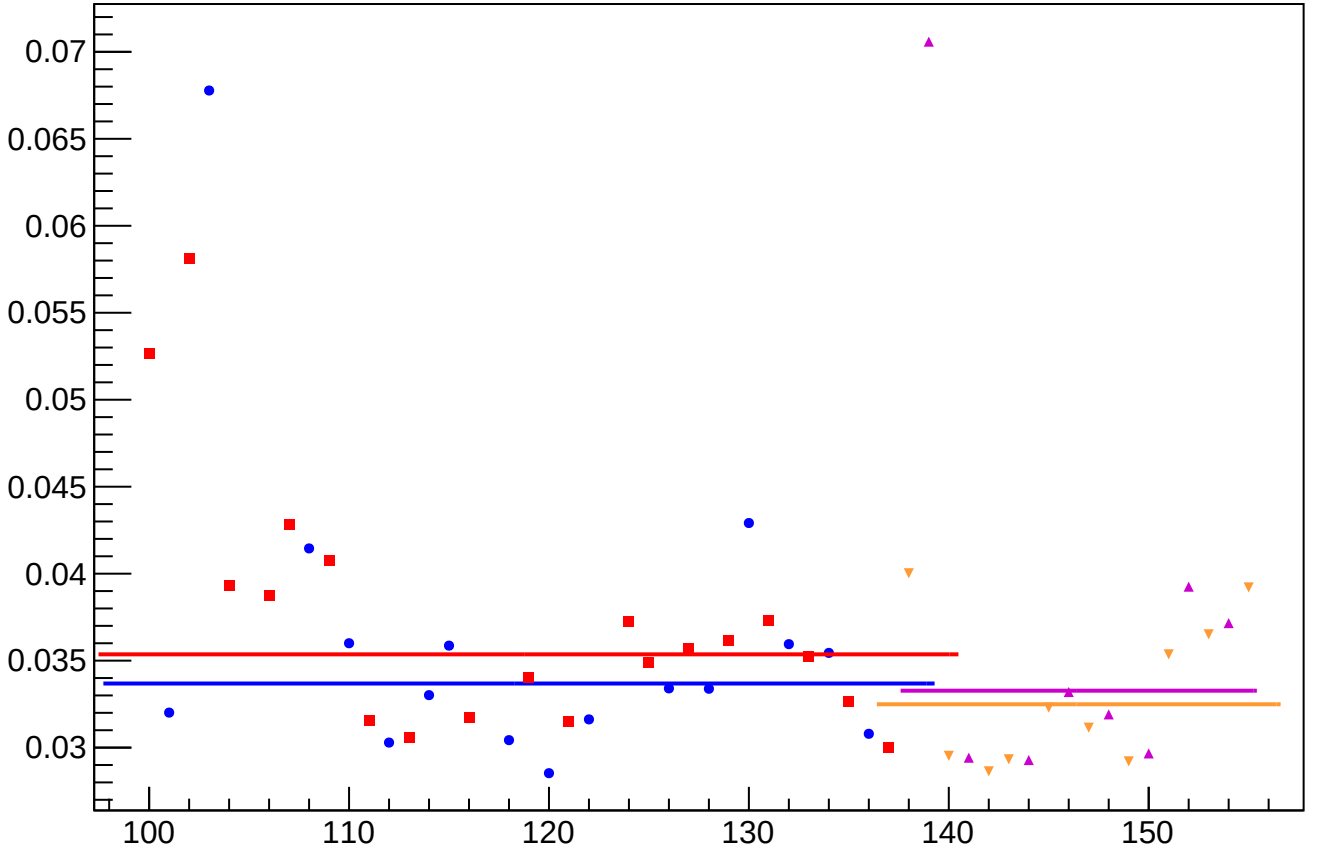
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.165+/-0.000 χ^2/NDF:5874167241.0/23

Out: -0.114+/-0.000 χ^2/NDF:6494830307.5/28

All: -0.139+/-0.000 χ^2/NDF: 12383896143.0/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.032+/-0.000 χ^2/NDF:181934.5/9

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.033+/-0.000 χ^2/NDF:587683.6/7

Left: 0.033+/-0.000 χ^2/NDF: 773182.6/17

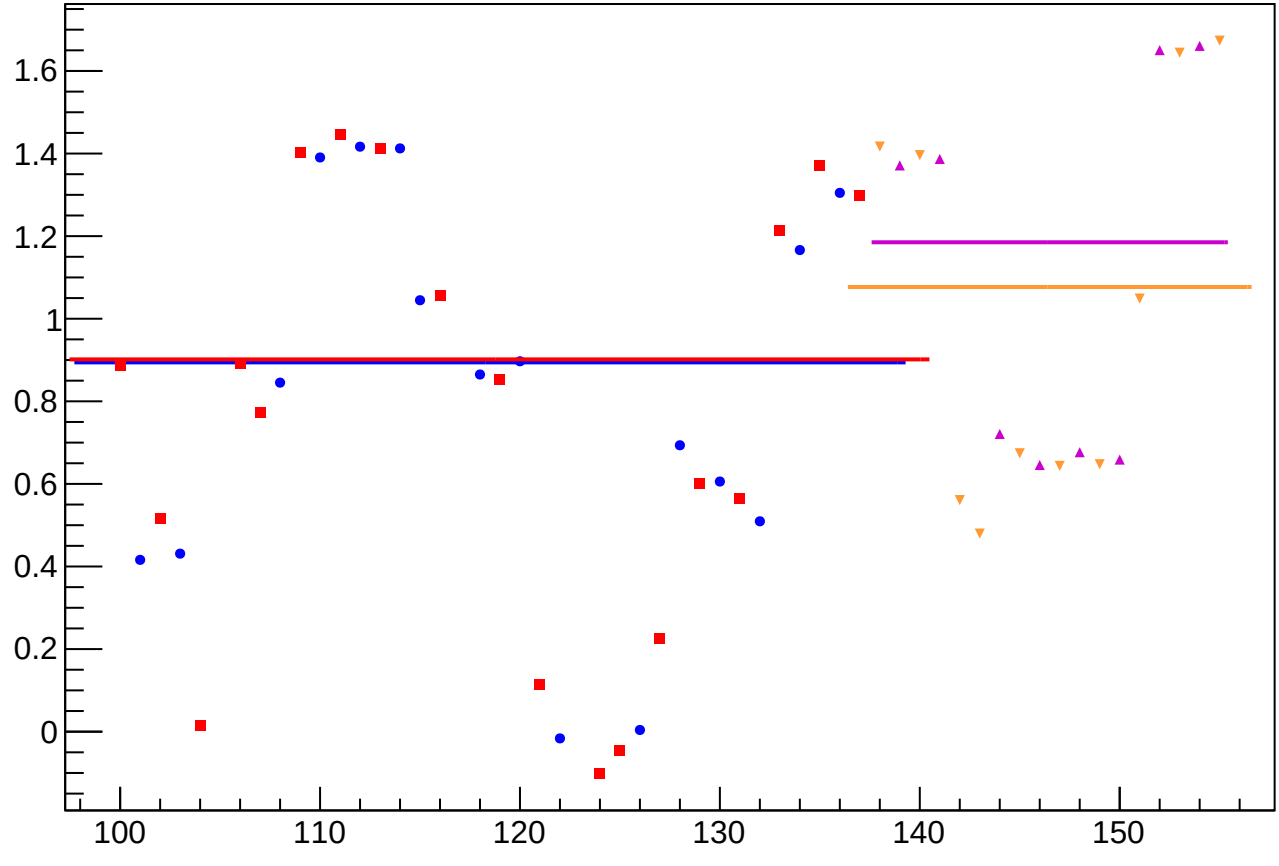
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.033+/-0.000 χ^2/NDF:1008845.0/23

Out: 0.034+/-0.000 χ^2/NDF:525195.2/28

All: 0.034+/-0.000 χ^2/NDF: 1535057.1/52

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.077+/-0.000 χ^2/NDF:18030937340.3/9

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.185+/-0.000 χ^2/NDF:11988973156.5/7

Left: 1.127+/-0.000 χ^2/NDF: 30488121229.2/17

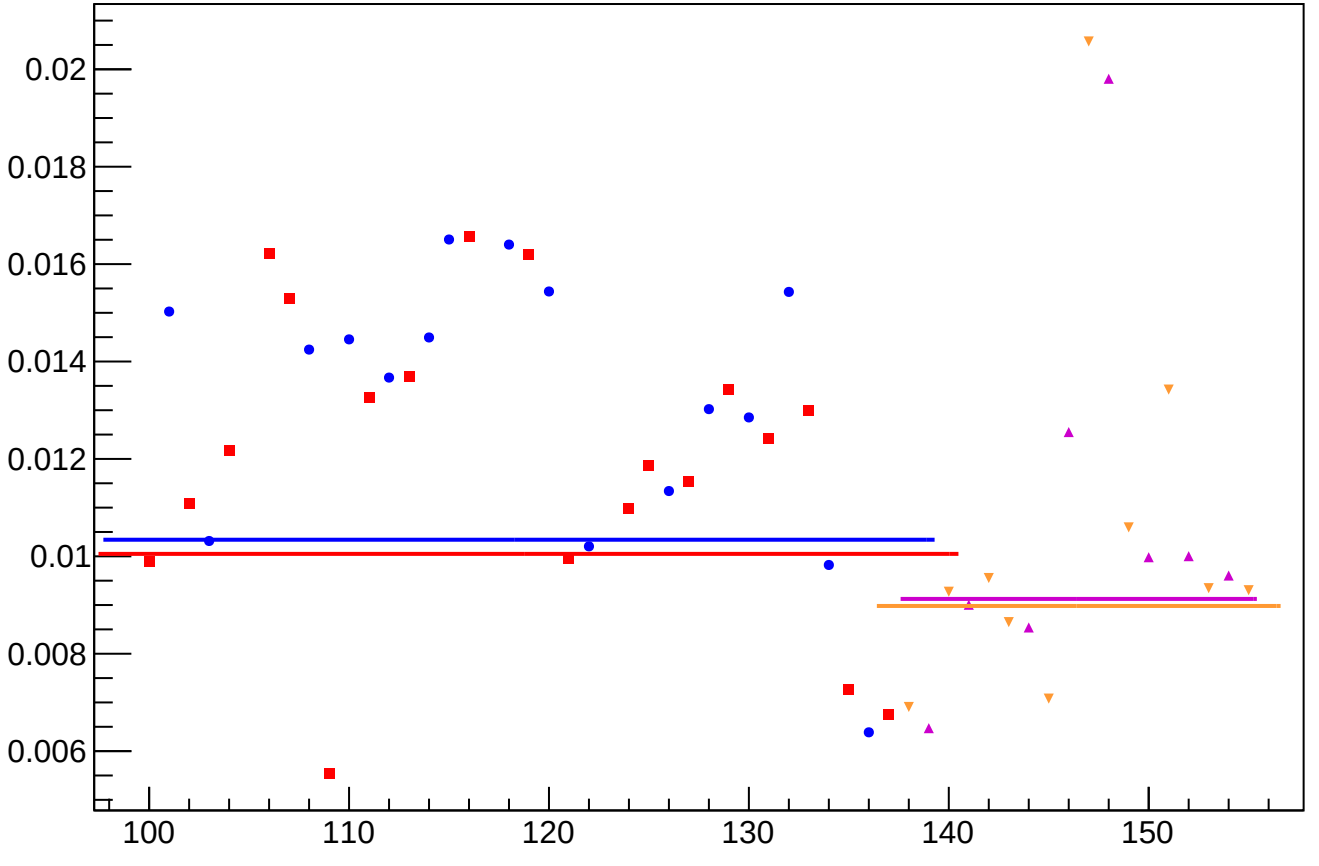
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.061+/-0.000 χ^2/NDF:27434852252.9/23

Out: 1.005+/-0.000 χ^2/NDF:37014777395.1/28

All: 1.031+/-0.000 χ^2/NDF: 64663931134.2/5

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:961088.4/9

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:875391.8/7

Left: 0.009+/-0.000 χ^2/NDF: 1838152.3/17

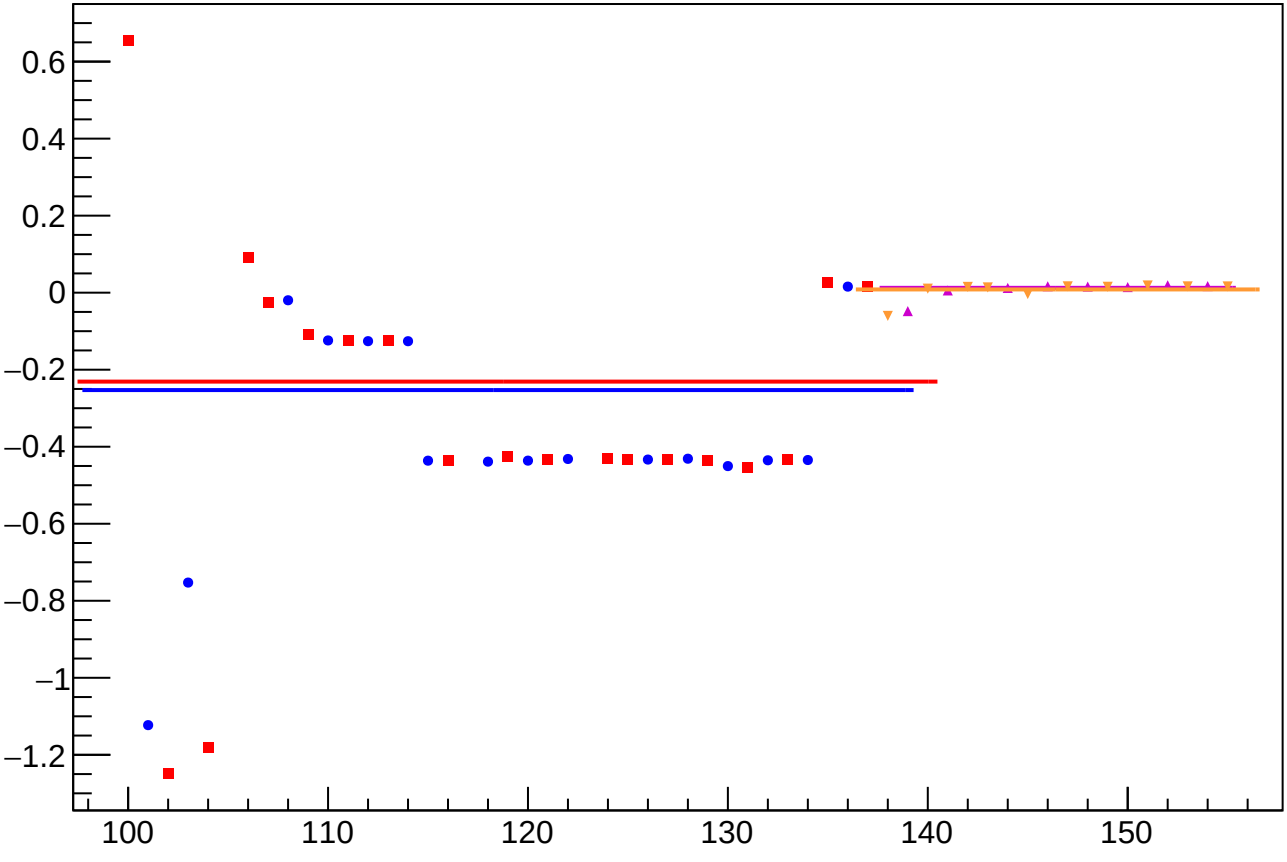
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.010+/-0.000 χ^2/NDF:2320011.3/23

Out: 0.009+/-0.000 χ^2/NDF:2379109.9/28

All: 0.010+/-0.000 χ^2/NDF: 4706139.5/52

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:20962191.1/9

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.013+/-0.000 χ^2/NDF:5311455.7/7

Left: 0.010+/-0.000 χ^2/NDF: 26781359.4/17

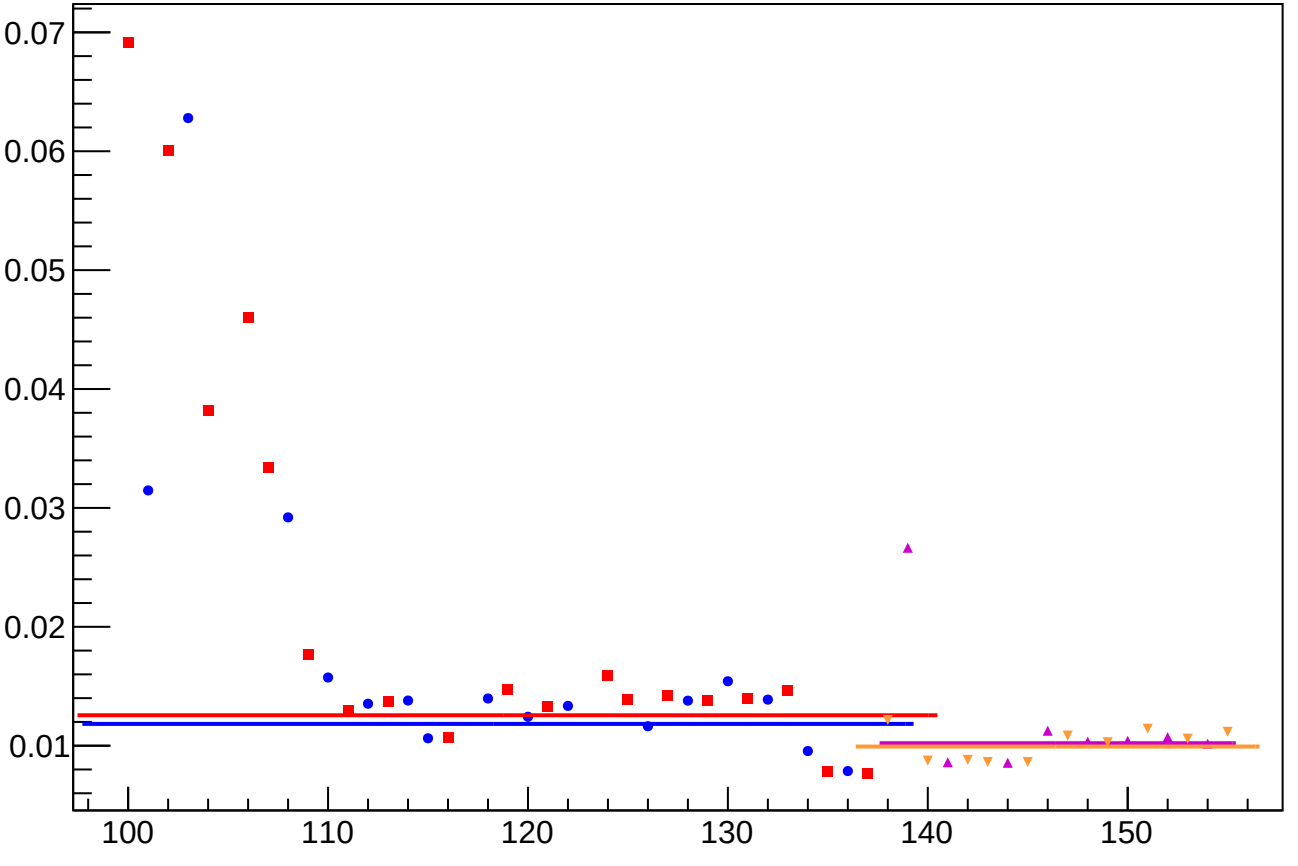
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.094+/-0.000 χ^2/NDF:3529727893.4/23

Out: -0.071+/-0.000 χ^2/NDF:3043723006.0/28

All: -0.082+/-0.000 χ^2/NDF: 6597247530.7/5

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:187704.8/9

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:748748.4/7

Left: 0.010+/-0.000 χ^2/NDF: 941050.4/17

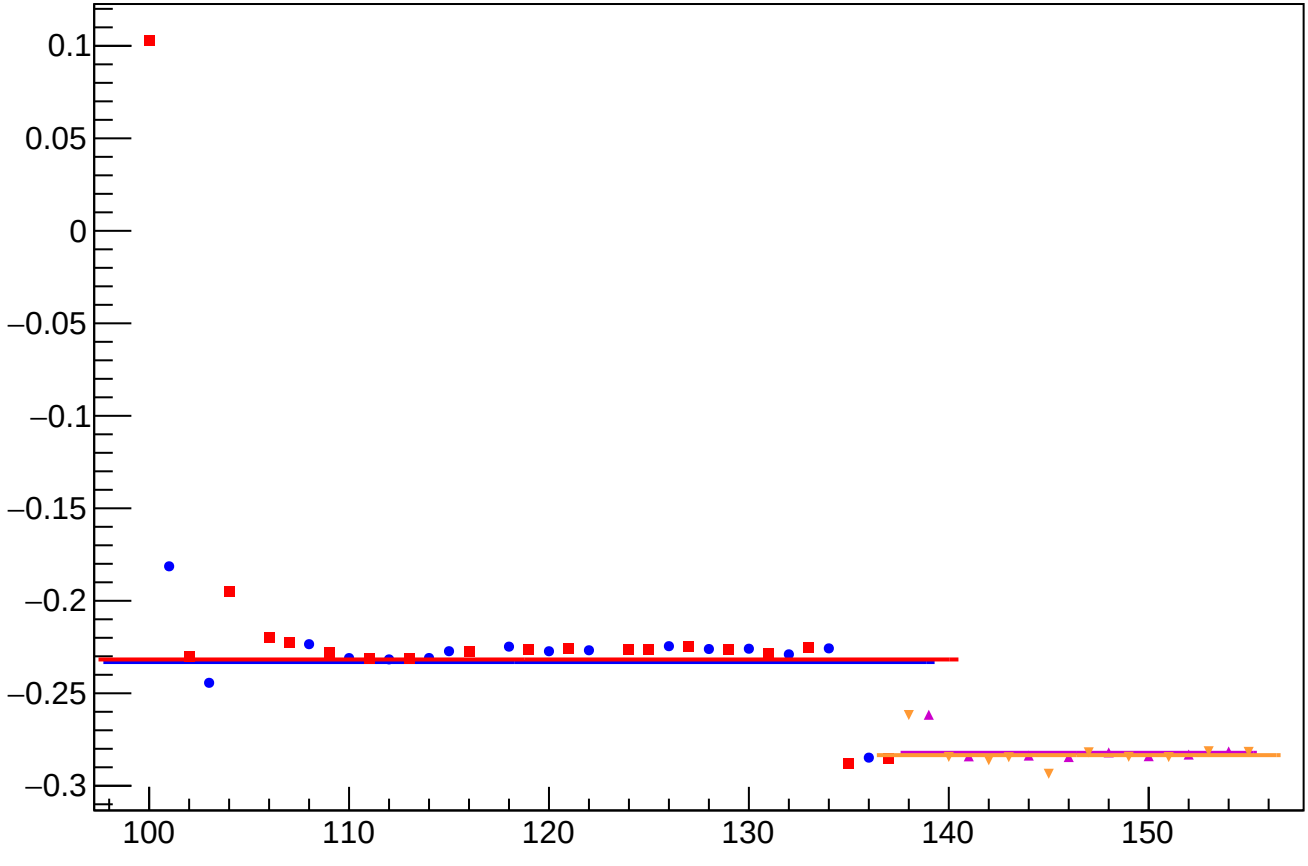
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.011+/-0.000 χ^2/NDF:2803475.5/23

Out: 0.011+/-0.000 χ^2/NDF:2698679.3/28

All: 0.011+/-0.000 χ^2/NDF: 5502470.1/52

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:14746389.7/9

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:6157963.2/7

Left: -0.283+/-0.000 χ^2/NDF: 21120643.7/17

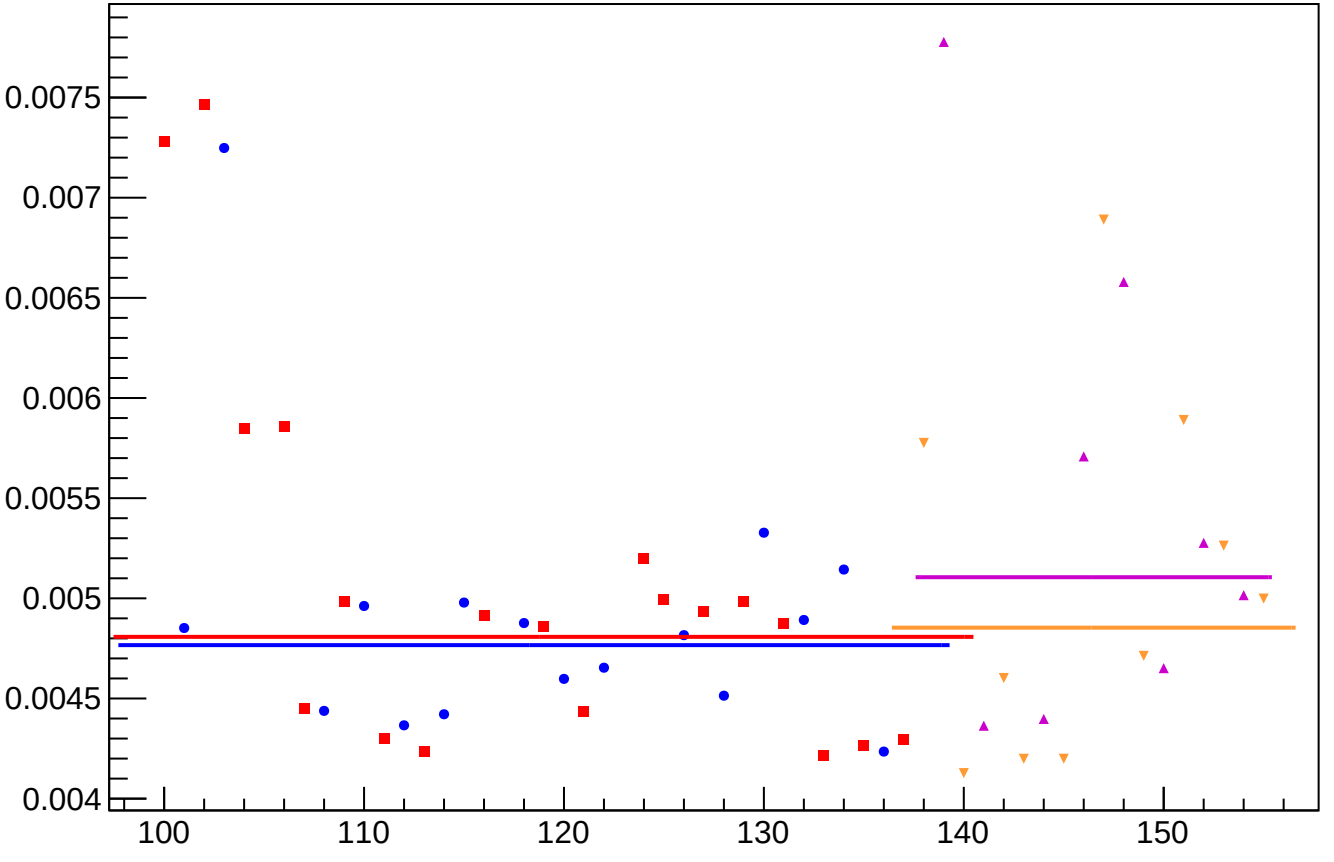
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.256+/-0.000 χ^2/NDF:521719079.1/23

Out: -0.258+/-0.000 χ^2/NDF:698442555.2/28

All: -0.257+/-0.000 χ^2/NDF: 1221608686.1/5

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:359344.4/9

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:395020.1/7

Left: 0.005+/-0.000 χ^2/NDF: 771561.0/17

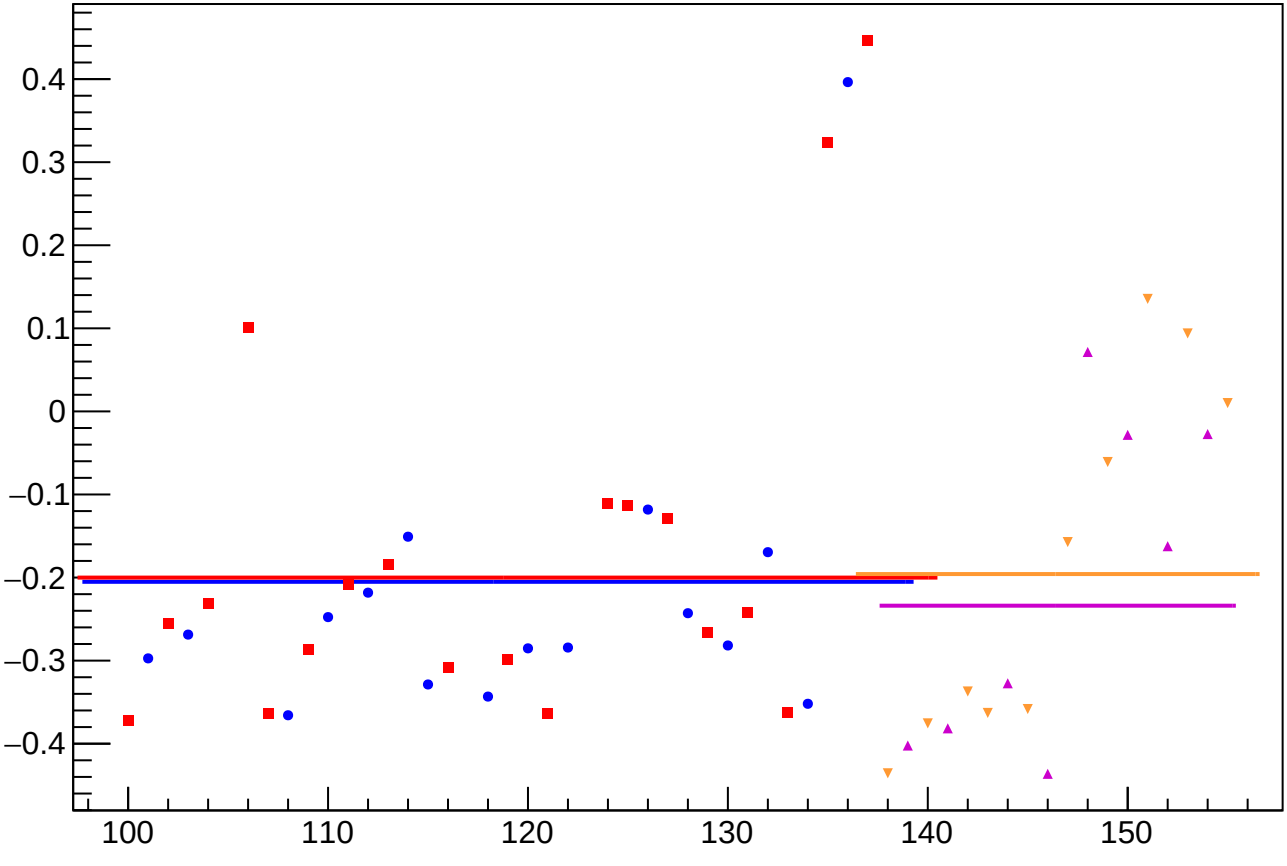
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:617007.0/23

Out: 0.005+/-0.000 χ^2/NDF:653708.2/28

All: 0.005+/-0.000 χ^2/NDF: 1275504.6/52

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.196+/-0.000 χ^2/NDF:10745023786.9/9

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.234+/-0.000 χ^2/NDF:6224052756.6/7

Left: -0.213+/-0.000 χ^2/NDF: 17129809283.7/17

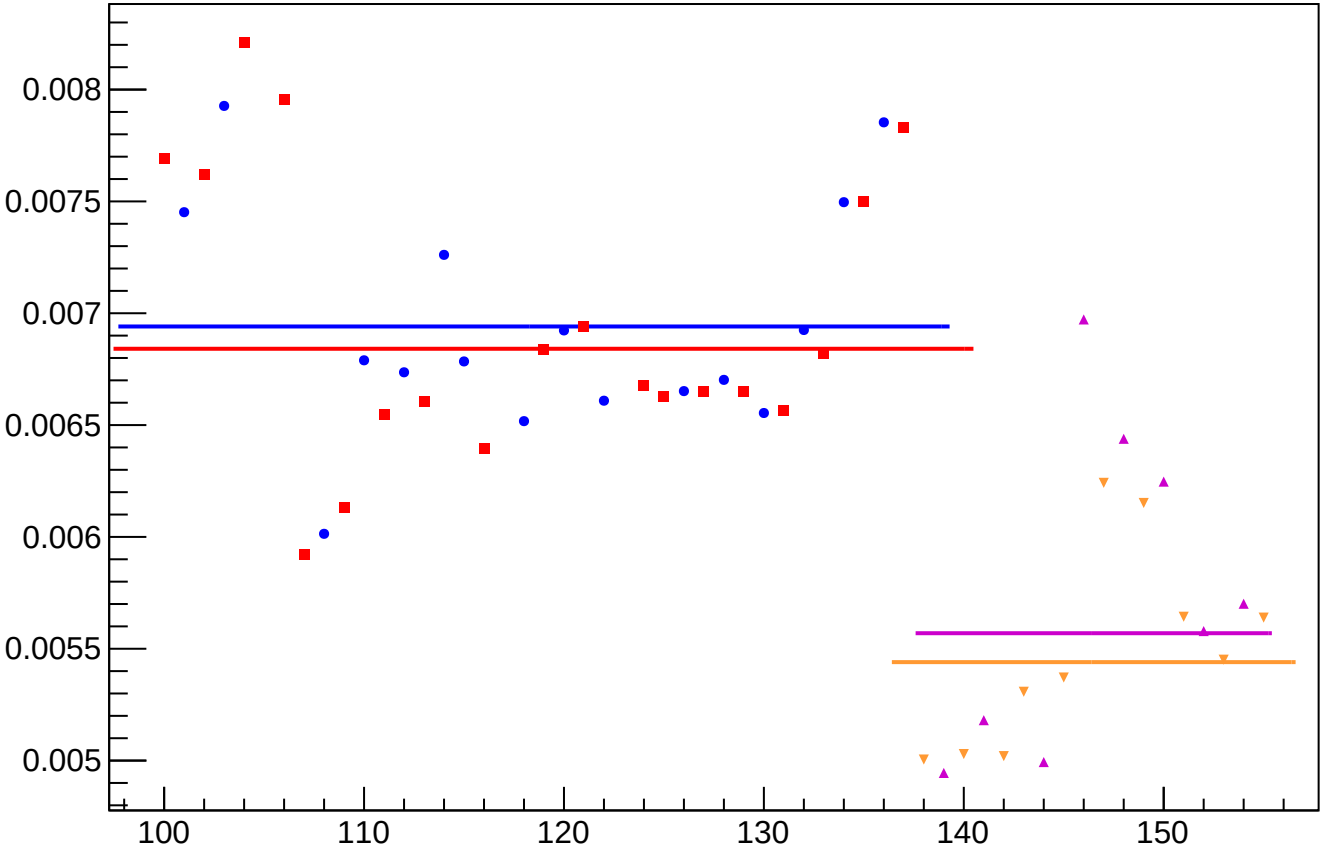
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.222+/-0.000 χ^2/NDF:12483543409.2/23

Out: -0.197+/-0.000 χ^2/NDF:15996718728.7/28

All: -0.209+/-0.000 χ^2/NDF: 28591039625.7/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:76750.0/9

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:161989.5/7

Left: 0.005+/-0.000 χ^2/NDF: 242442.9/17

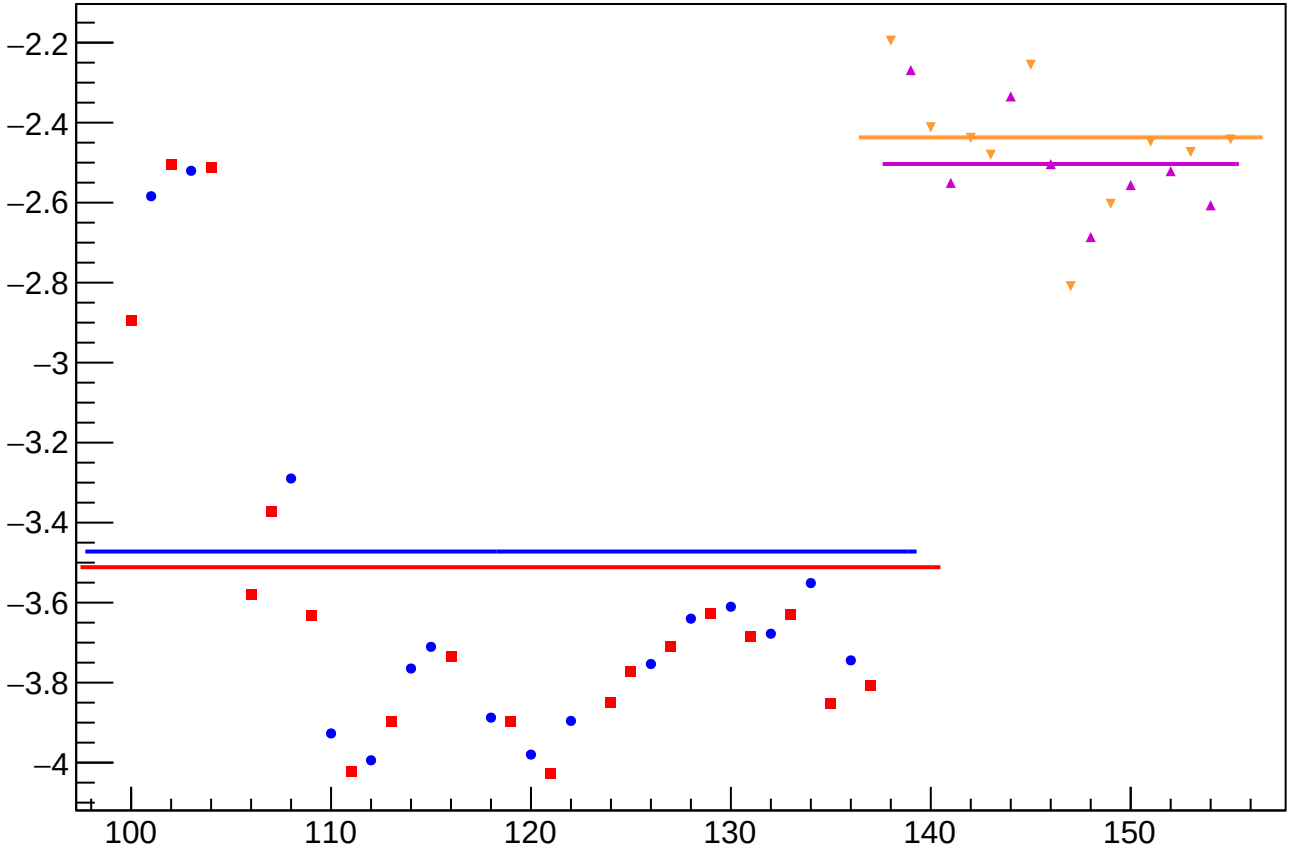
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:566647.6/23

Out: 0.006+/-0.000 χ^2/NDF:547460.4/28

All: 0.006+/-0.000 χ^2/NDF: 1123704.0/52

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.437+/-0.000 χ^2/NDF:1393130872.2/9

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.503+/-0.000 χ^2/NDF:1035947847.5/7

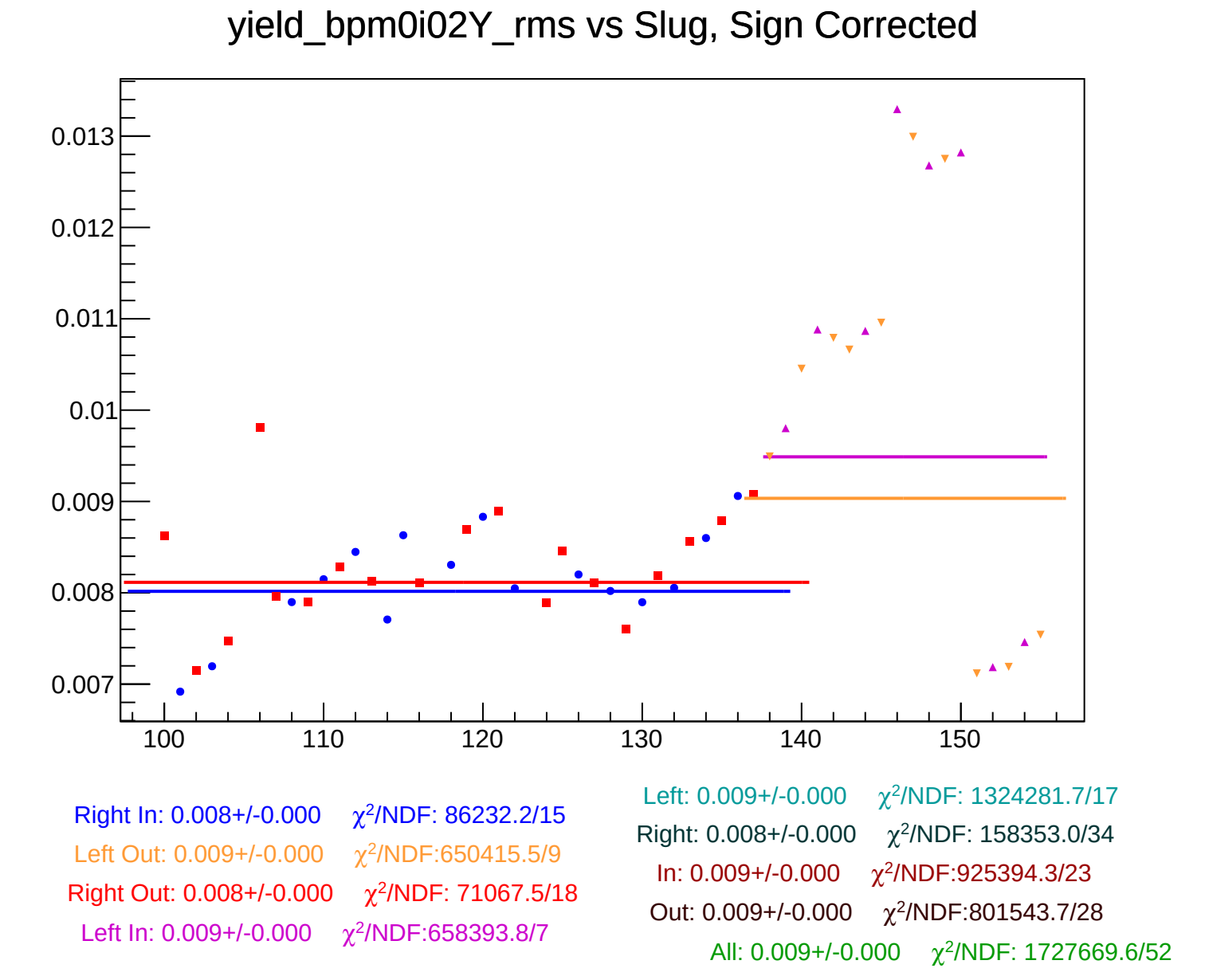
Left: -2.466+/-0.000 χ^2/NDF: 2594414376.4/17

Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

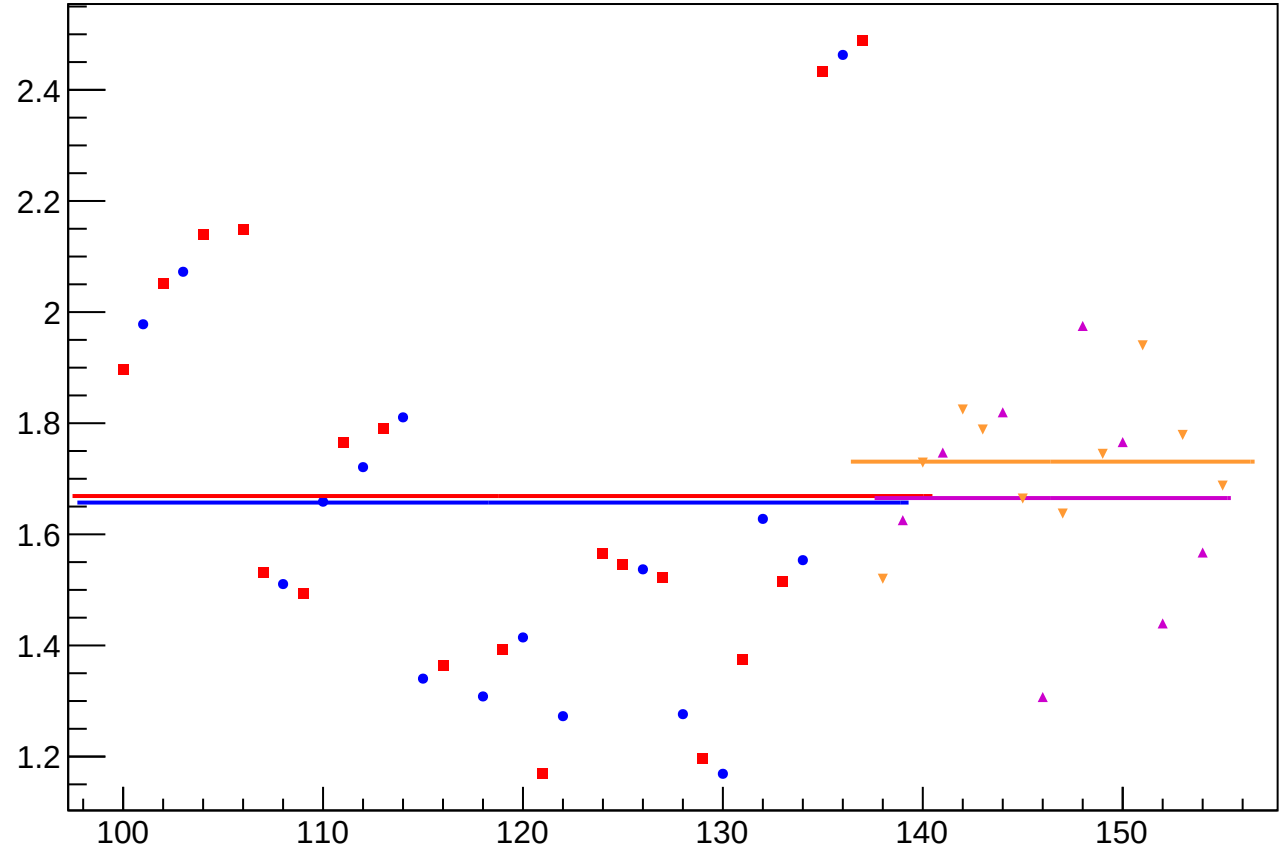
In: -3.101+/-0.000 χ^2/NDF:69757421603.0/23

Out: -3.041+/-0.000 χ^2/NDF:85742893337.0/28

All: -3.070+/-0.000 χ^2/NDF: 155831597483.8


yield_bpm0i02Y_rms vs Slug, Sign Corrected
0.013
0.012
0.011
0.01
0.009
0.008
0.007
100
110
120
130
140
150
Right In: 0.008+/-0.000 χ²/NDF: 86232.2/15
Left Out: 0.009+/-0.000 χ²/NDF:650415.5/9
Right Out: 0.008+/-0.000 χ²/NDF: 71067.5/18
Left In: 0.009+/-0.000 χ²/NDF:658393.8/7
Left: 0.009+/-0.000 χ²/NDF: 1324281.7/17
Right: 0.008+/-0.000 χ²/NDF: 158353.0/34
In: 0.009+/-0.000 χ²/NDF:925394.3/23
Out: 0.009+/-0.000 χ²/NDF:801543.7/28
All: 0.009+/-0.000 χ²/NDF: 1727669.6/52

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.731+/-0.000 χ^2/NDF:719953693.1/9

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.665+/-0.000 χ^2/NDF:1545899374.4/7

Left: 1.702+/-0.000 χ^2/NDF: 2374511887.7/17

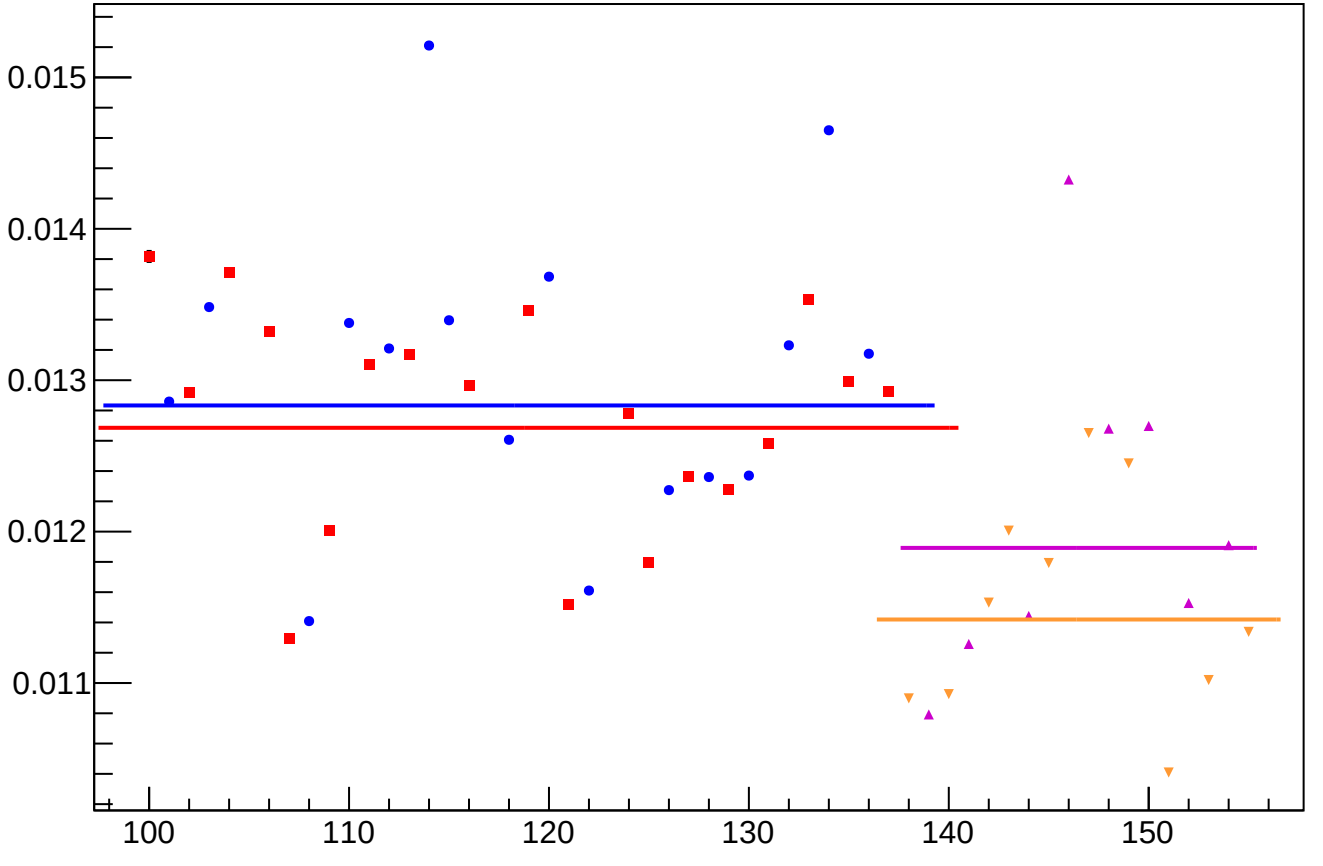
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.661+/-0.000 χ^2/NDF:8213506225.4/23

Out: 1.703+/-0.000 χ^2/NDF:7173392774.9/28

All: 1.684+/-0.000 χ^2/NDF: 15470572494.7/5

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:53417.6/9

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:84451.5/7

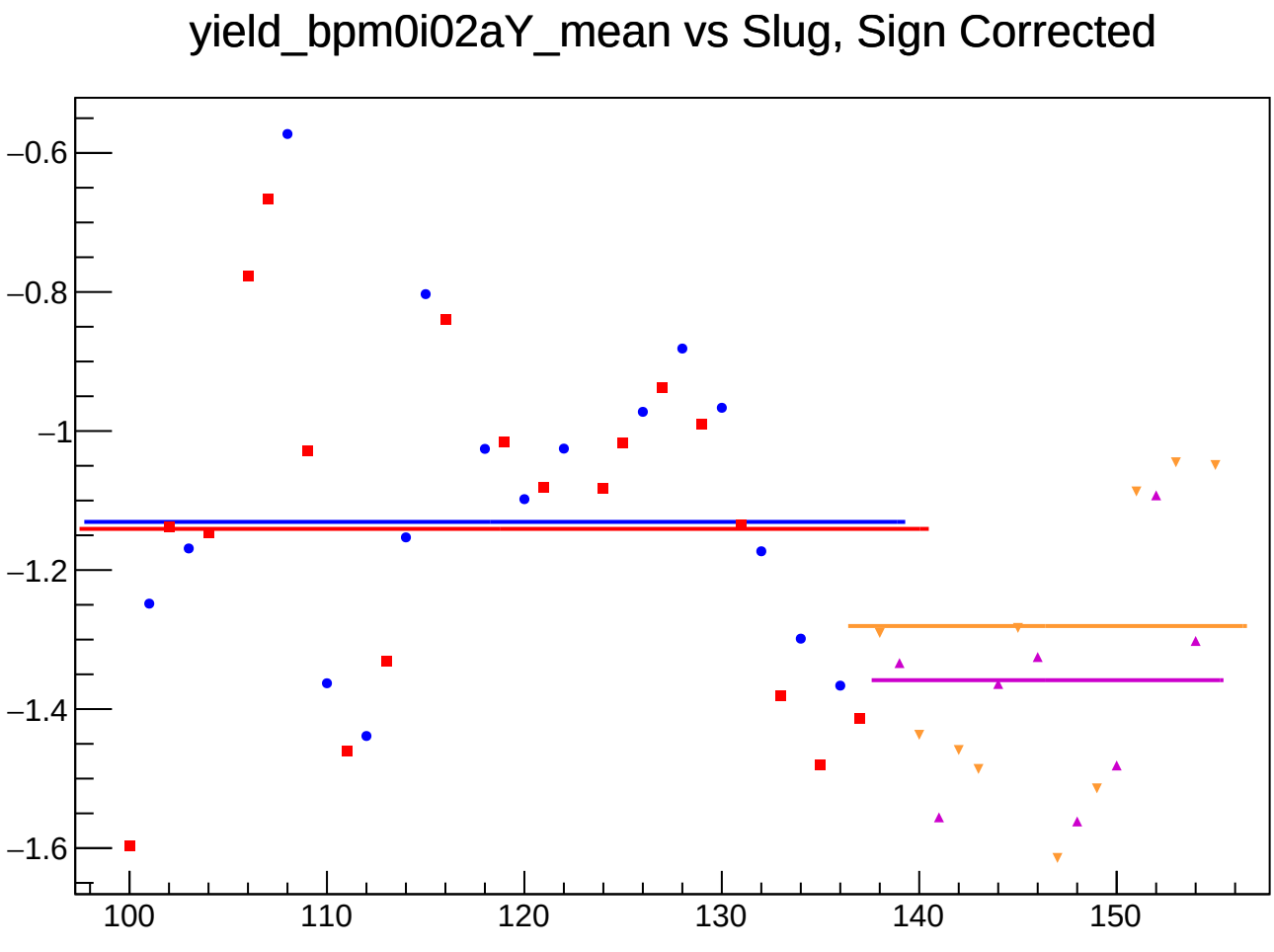
Left: 0.012+/-0.000 χ^2/NDF: 149182.1/17

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

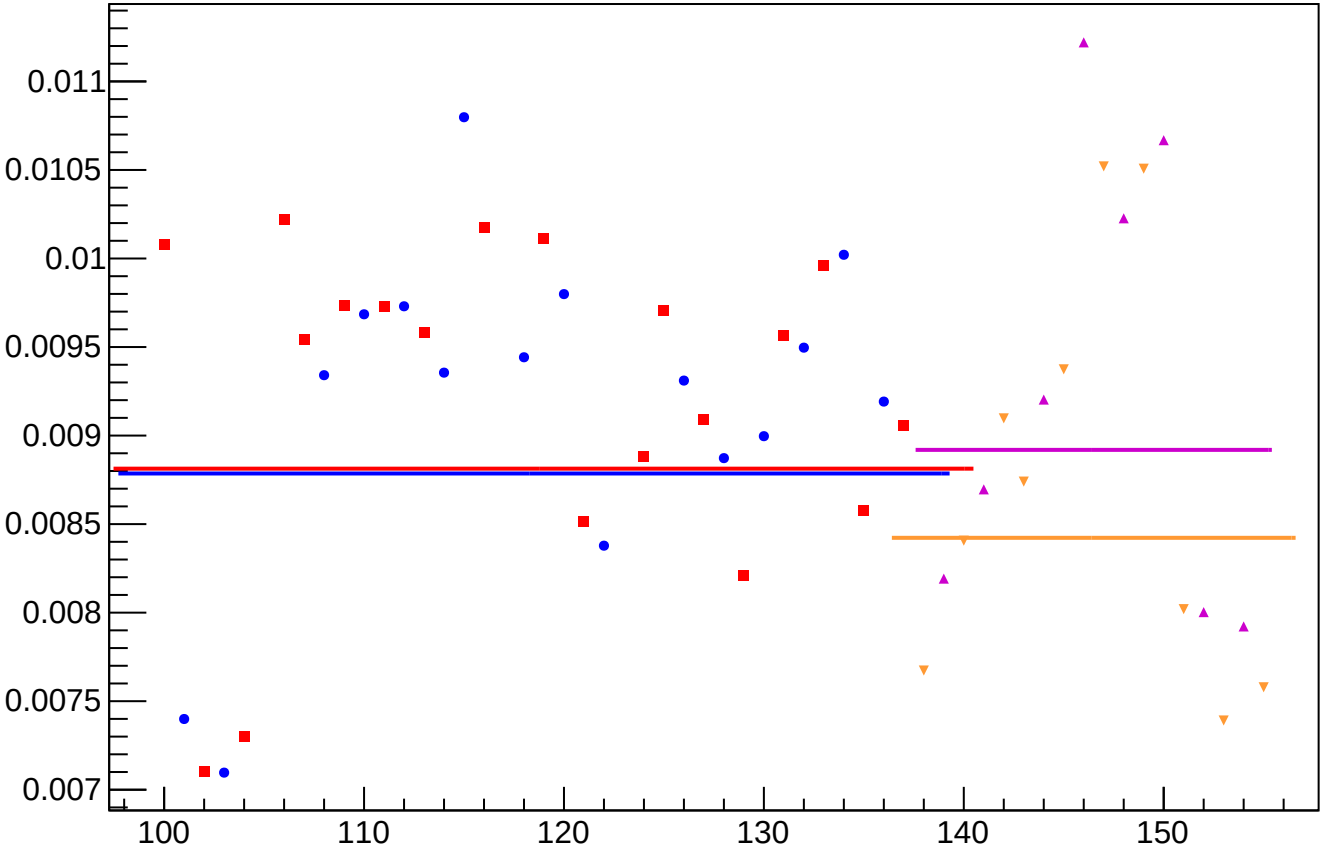
In: 0.012+/-0.000 χ^2/NDF:176019.6/23

Out: 0.012+/-0.000 χ^2/NDF:176900.0/28

All: 0.012+/-0.000 χ^2/NDF: 365642.1/52


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
110
120
130
140
150
Right In: -1.131+/-0.000 χ²/NDF: 3790121991.7/15
Left Out: -1.281+/-0.000 χ²/NDF:3838978658.4/9
Right Out: -1.141+/-0.000 χ²/NDF: 3544012262.4/18
Left In: -1.358+/-0.000 χ²/NDF:1743506184.6/7
Left: -1.315+/-0.000 χ²/NDF: 5848066259.9/17
Right: -1.136+/-0.000 χ²/NDF: 7338628665.5/34
In: -1.238+/-0.000 χ²/NDF:7694444922.0/23
Out: -1.214+/-0.000 χ²/NDF:8298722972.8/28
All: -1.225+/-0.000 χ²/NDF: 16042368314.4/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:198330.9/9

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:186155.0/7

Left: 0.009+/-0.000 χ^2/NDF: 406068.2/17

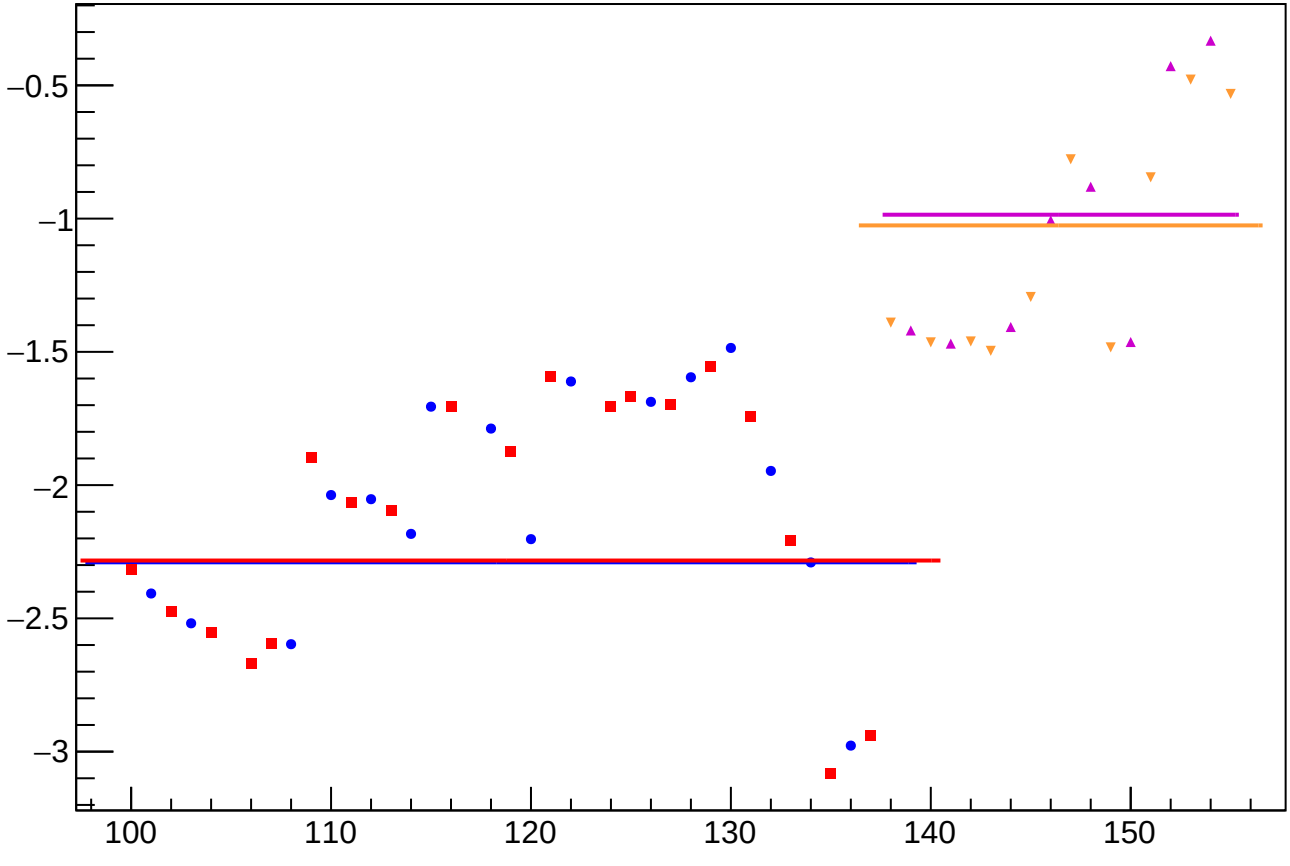
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:361114.2/23

Out: 0.009+/-0.000 χ^2/NDF:417078.4/28

All: 0.009+/-0.000 χ^2/NDF: 788423.3/52

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -1.026+/-0.000 χ^2/NDF:18323203485.1/9

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.985+/-0.000 χ^2/NDF:19447257729.2/7

Left: -1.007+/-0.000 χ^2/NDF: 37853645275.1/17

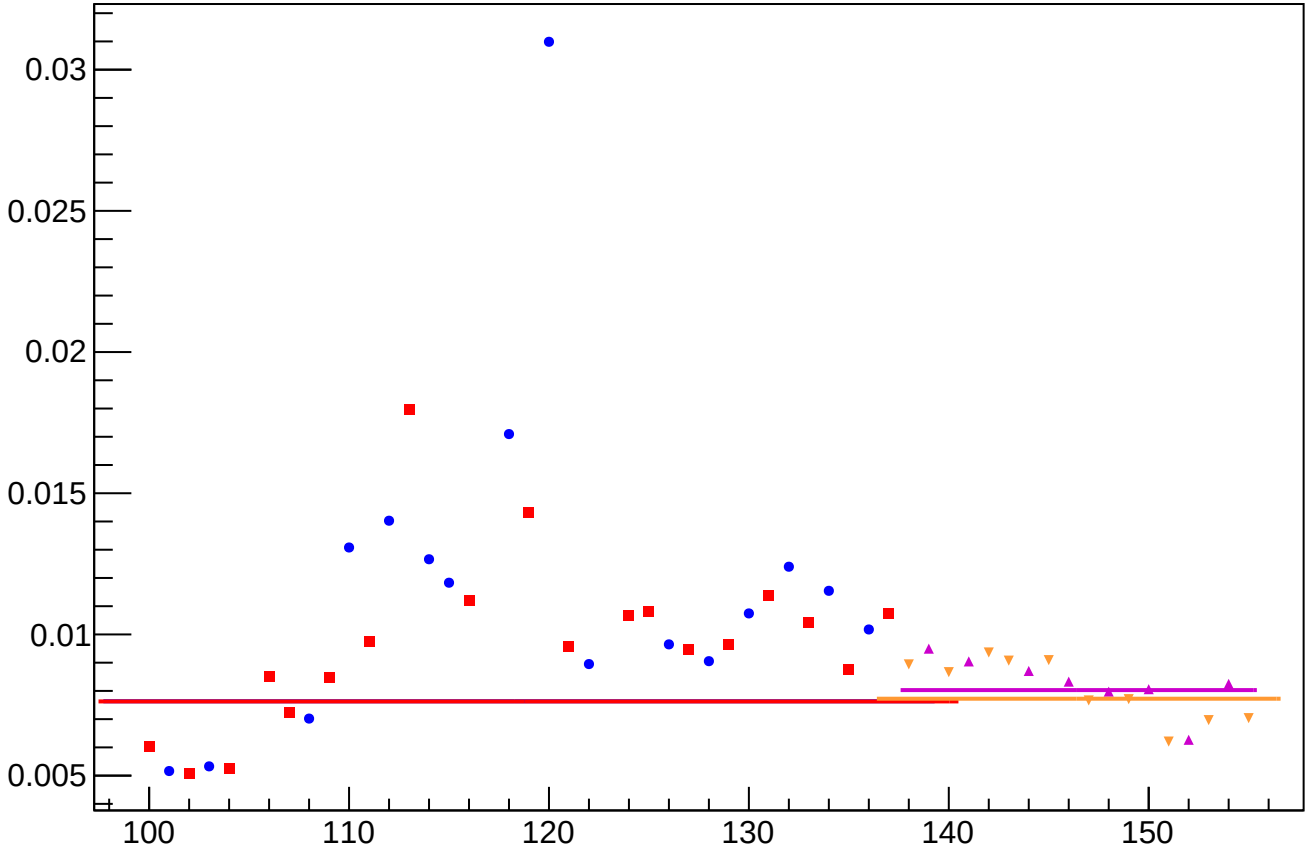
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.609+/-0.000 χ^2/NDF:112128852012.9/23

Out: -1.601+/-0.000 χ^2/NDF:117104381063.2/28

All: -1.605+/-0.000 χ^2/NDF: 229240156635.2

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:246348.8/9

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:192661.7/7

Left: 0.008+/-0.000 χ^2/NDF: 448651.1/17

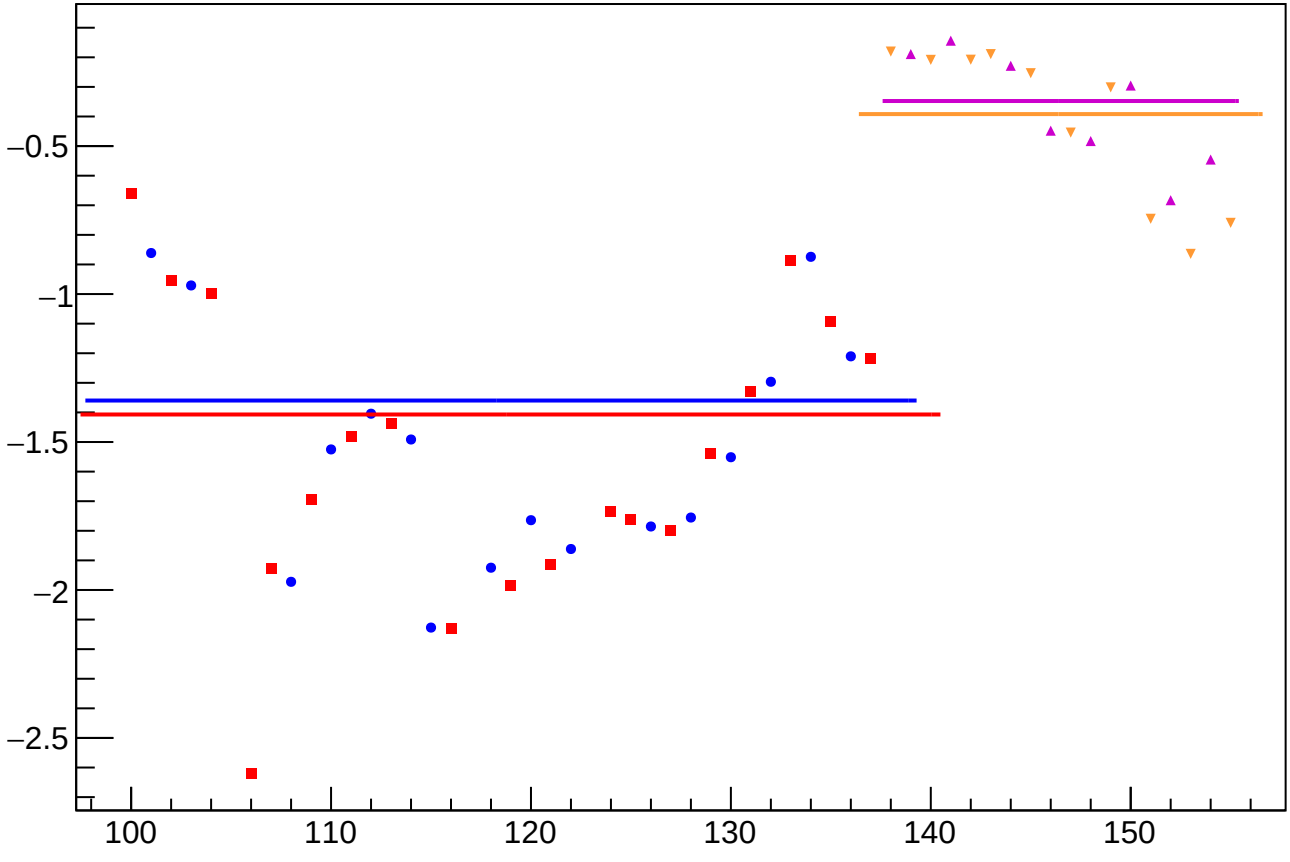
Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.008+/-0.000 χ^2/NDF:1917766.5/23

Out: 0.008+/-0.000 χ^2/NDF:1565046.8/28

All: 0.008+/-0.000 χ^2/NDF: 3487786.0/52

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.392+/-0.000 χ^2/NDF:21578428476.6/9

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.348+/-0.000 χ^2/NDF:9056171757.3/7

Left: -0.372+/-0.000 χ^2/NDF: 30948243070.6/17

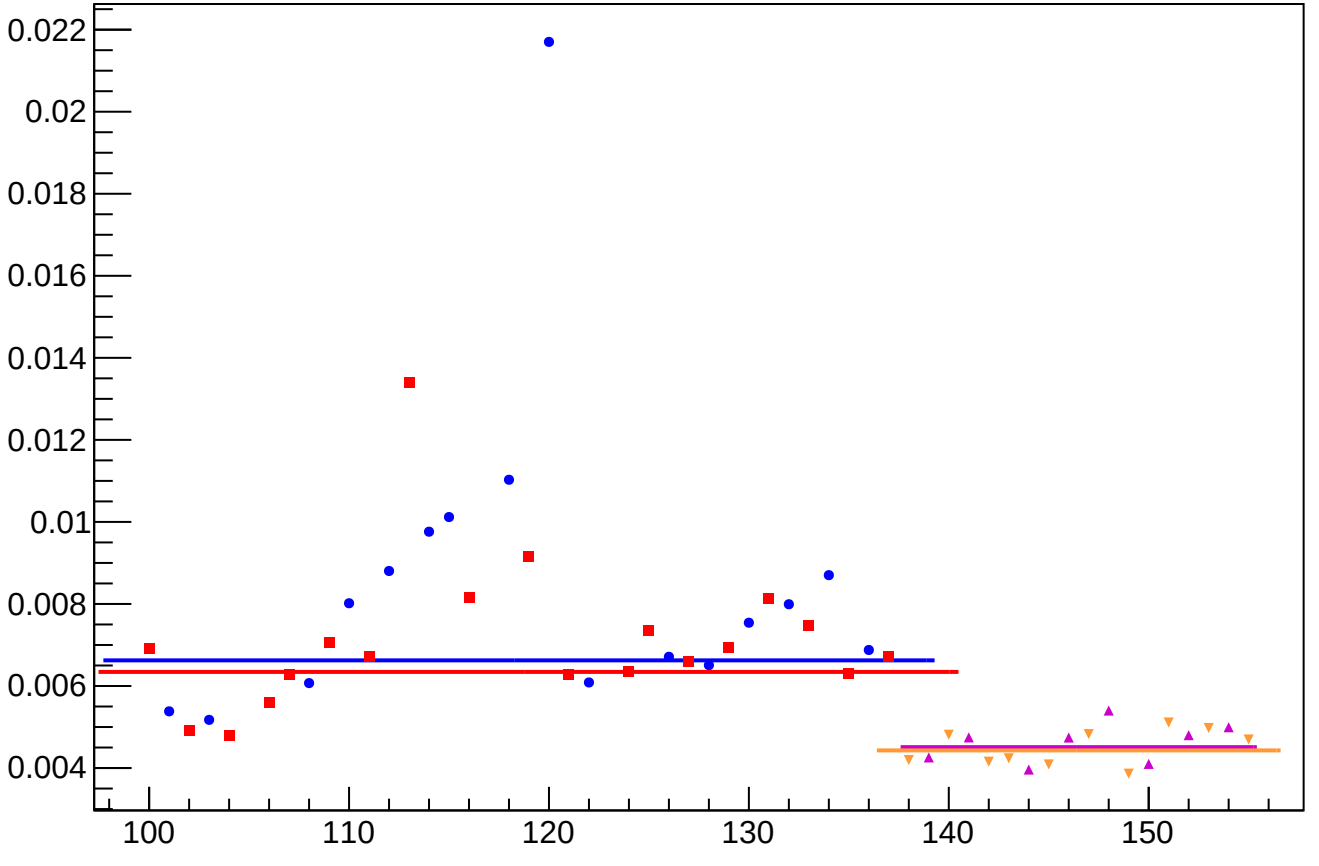
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.658+/-0.000 χ^2/NDF:124184597259.4/23

Out: -0.700+/-0.000 χ^2/NDF:160570257463.7/28

All: -0.681+/-0.000 χ^2/NDF: 285152153340.1

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:116740.8/9

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:114612.6/7

Left: 0.004+/-0.000 χ^2/NDF: 233384.6/17

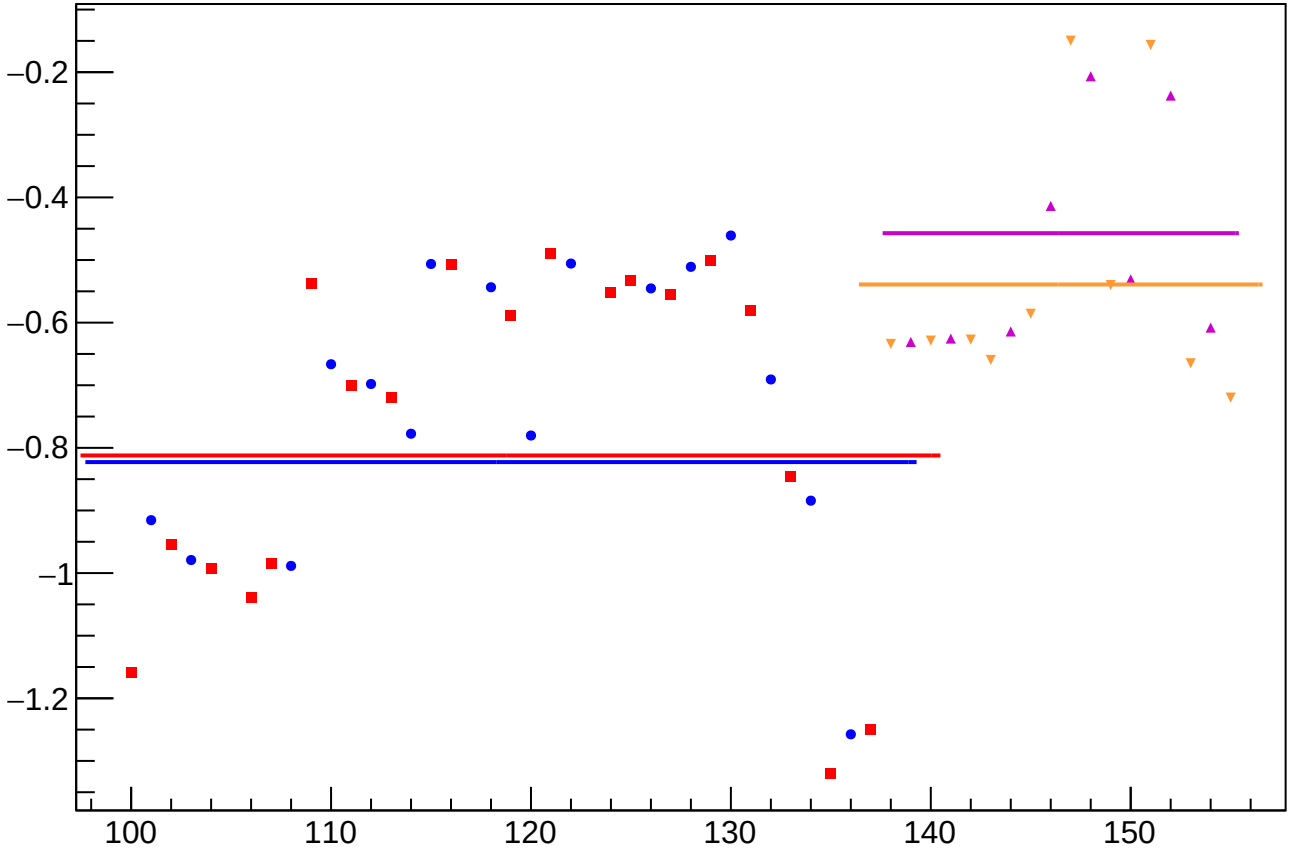
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1626324.6/23

Out: 0.005+/-0.000 χ^2/NDF:1421482.4/28

All: 0.005+/-0.000 χ^2/NDF: 3057993.7/52

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.539+/-0.000 χ^2/NDF:11558178430.7/9

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.457+/-0.000 χ^2/NDF:6280853081.1/7

Left: -0.503+/-0.000 χ^2/NDF: 18623240260.9/17

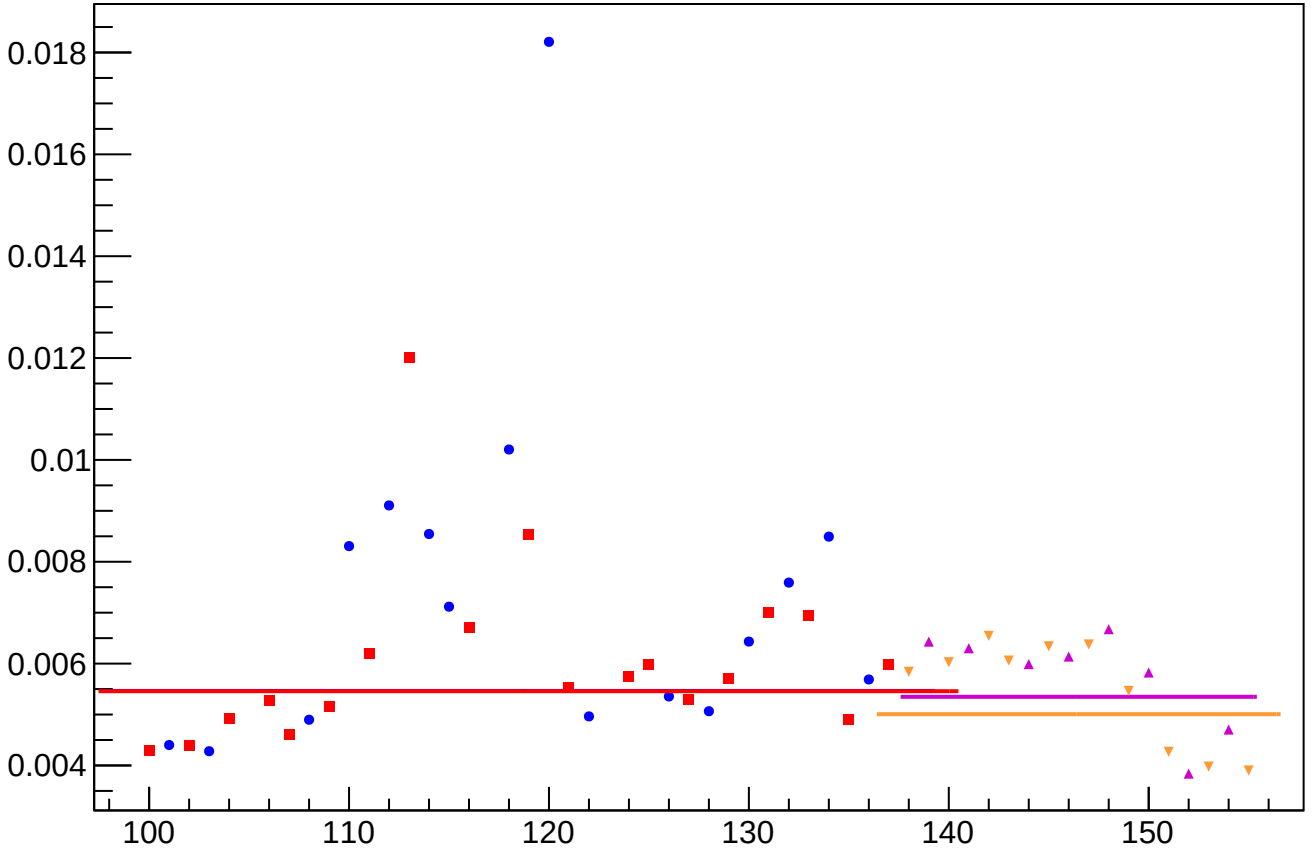
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.628+/-0.000 χ^2/NDF:31647985141.8/23

Out: -0.658+/-0.000 χ^2/NDF:34891022934.0/28

All: -0.644+/-0.000 χ^2/NDF: 66725942020.7/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:555542.1/9

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:467004.0/7

Left: 0.005+/-0.000 χ^2/NDF: 1049814.2/17

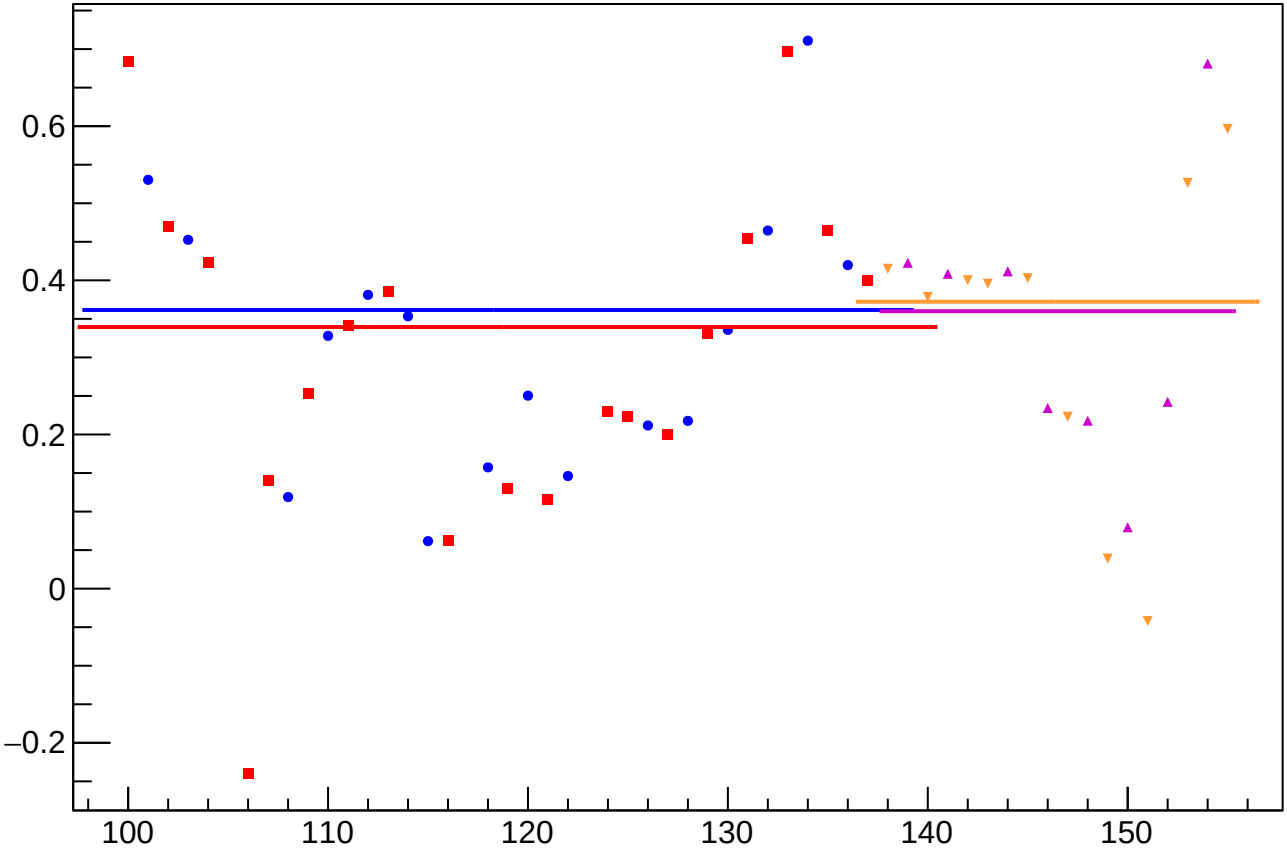
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:1431088.9/23

Out: 0.005+/-0.000 χ^2/NDF:1109908.3/28

All: 0.005+/-0.000 χ^2/NDF: 2557942.7/52

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.372+/-0.000 χ^2/NDF:13348838393.7/9

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.360+/-0.000 χ^2/NDF:8307381871.0/7

Left: 0.367+/-0.000 χ^2/NDF: 21682175557.5/17

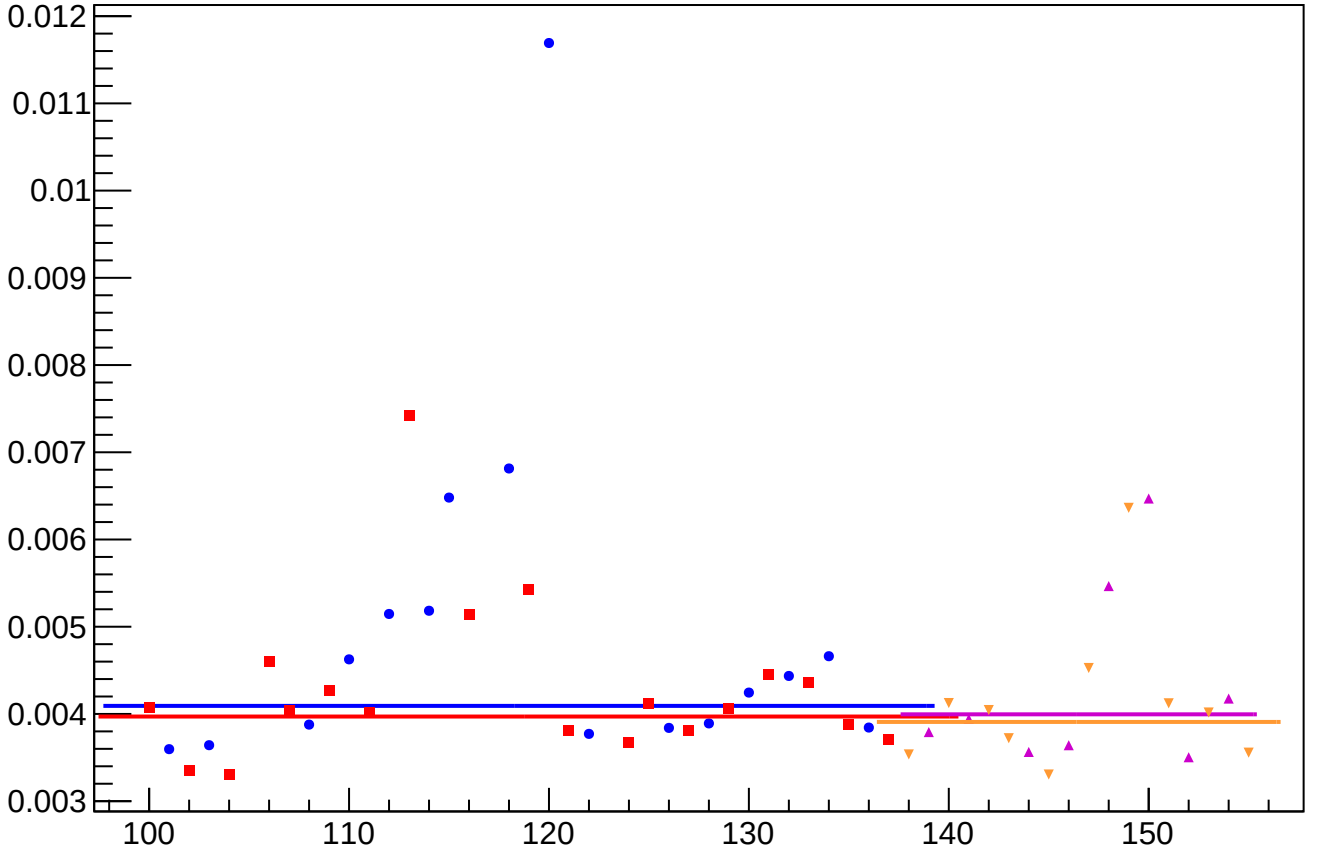
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.361+/-0.000 χ^2/NDF:17083764959.0/23

Out: 0.355+/-0.000 χ^2/NDF:25630193894.4/28

All: 0.358+/-0.000 χ^2/NDF: 42725501755.0/5

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:291511.5/9

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:360531.7/7

Left: 0.004+/-0.000 χ^2/NDF: 654653.2/17

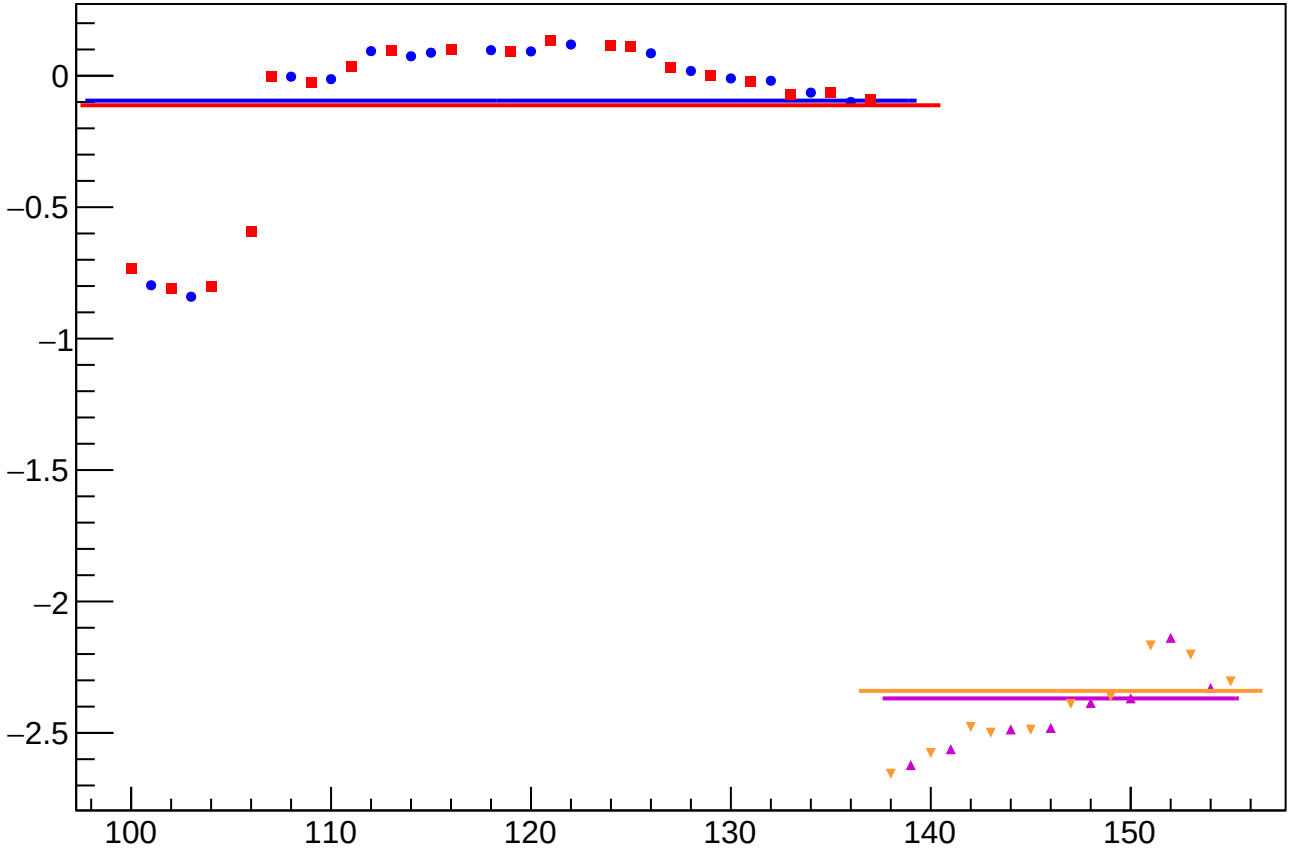
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:855462.1/23

Out: 0.004+/-0.000 χ^2/NDF:606708.7/28

All: 0.004+/-0.000 χ^2/NDF: 1470490.3/52

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.340+/-0.000 χ^2/NDF:1515441053.9/9

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.369+/-0.000 χ^2/NDF:1195256697.6/7

Left: -2.353+/-0.000 χ^2/NDF: 2731641477.7/17

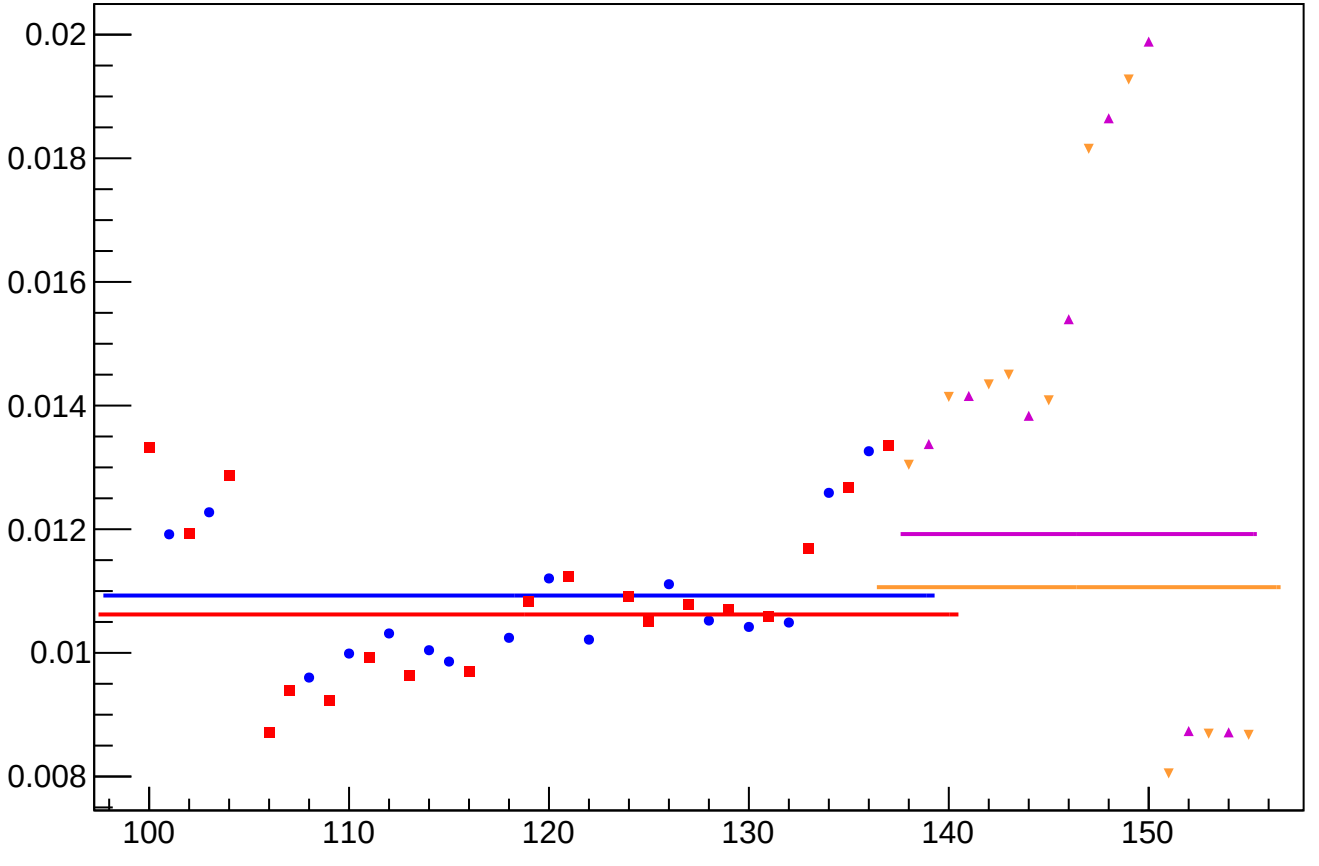
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.072+/-0.000 χ^2/NDF:139268283342.8/23

Out: -1.159+/-0.000 χ^2/NDF:160145711120.3/28

All: -1.119+/-0.000 χ^2/NDF: 299846462877.0

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:1355818.6/9

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.012+/-0.000 χ^2/NDF:1158051.6/7

Left: 0.011+/-0.000 χ^2/NDF: 2551245.9/17

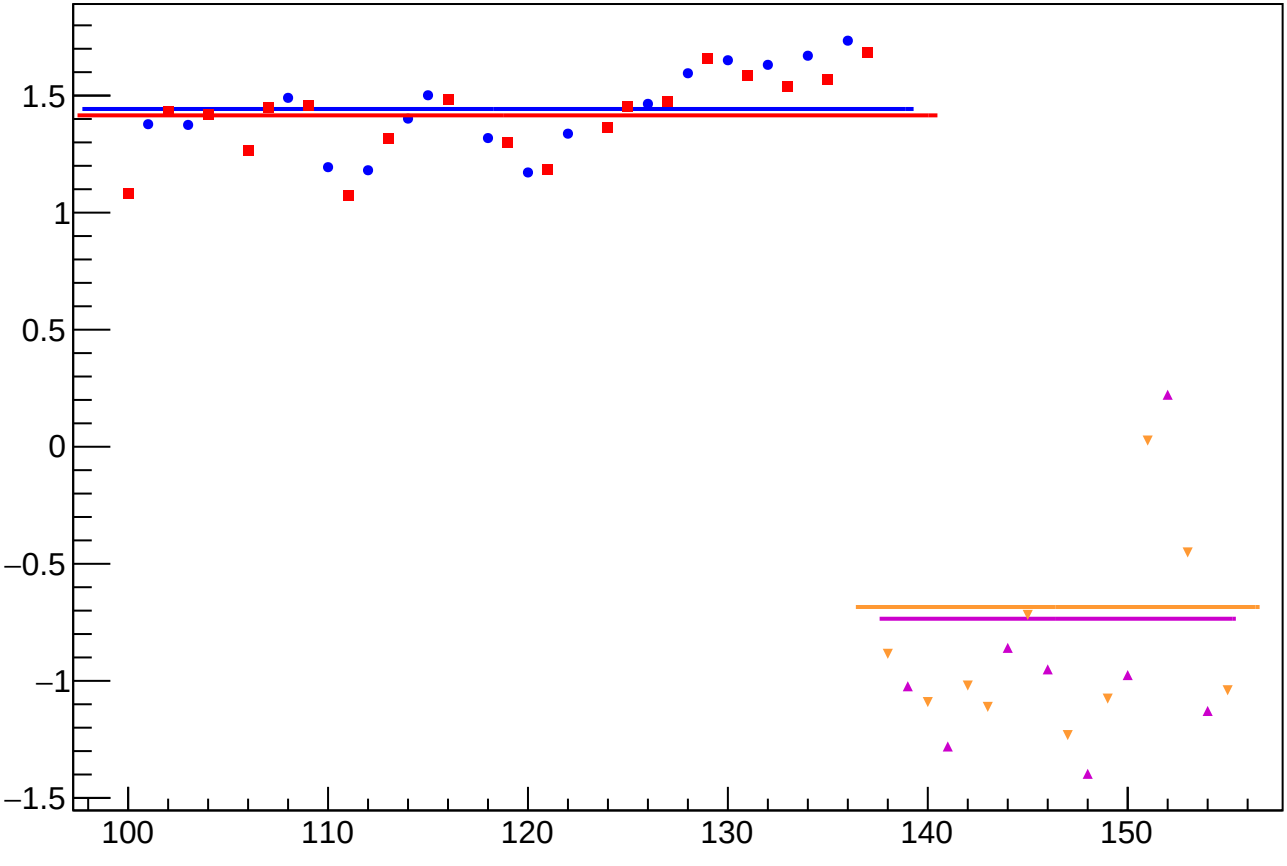
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.011+/-0.000 χ^2/NDF:1345216.8/23

Out: 0.011+/-0.000 χ^2/NDF:1558305.9/28

All: 0.011+/-0.000 χ^2/NDF: 2934840.2/52

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.684+/-0.000 χ^2/NDF:21328252059.6/9

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -0.735+/-0.000 χ^2/NDF:31352540022.7/7

Left: -0.707+/-0.000 χ^2/NDF: 52803654845.7/17

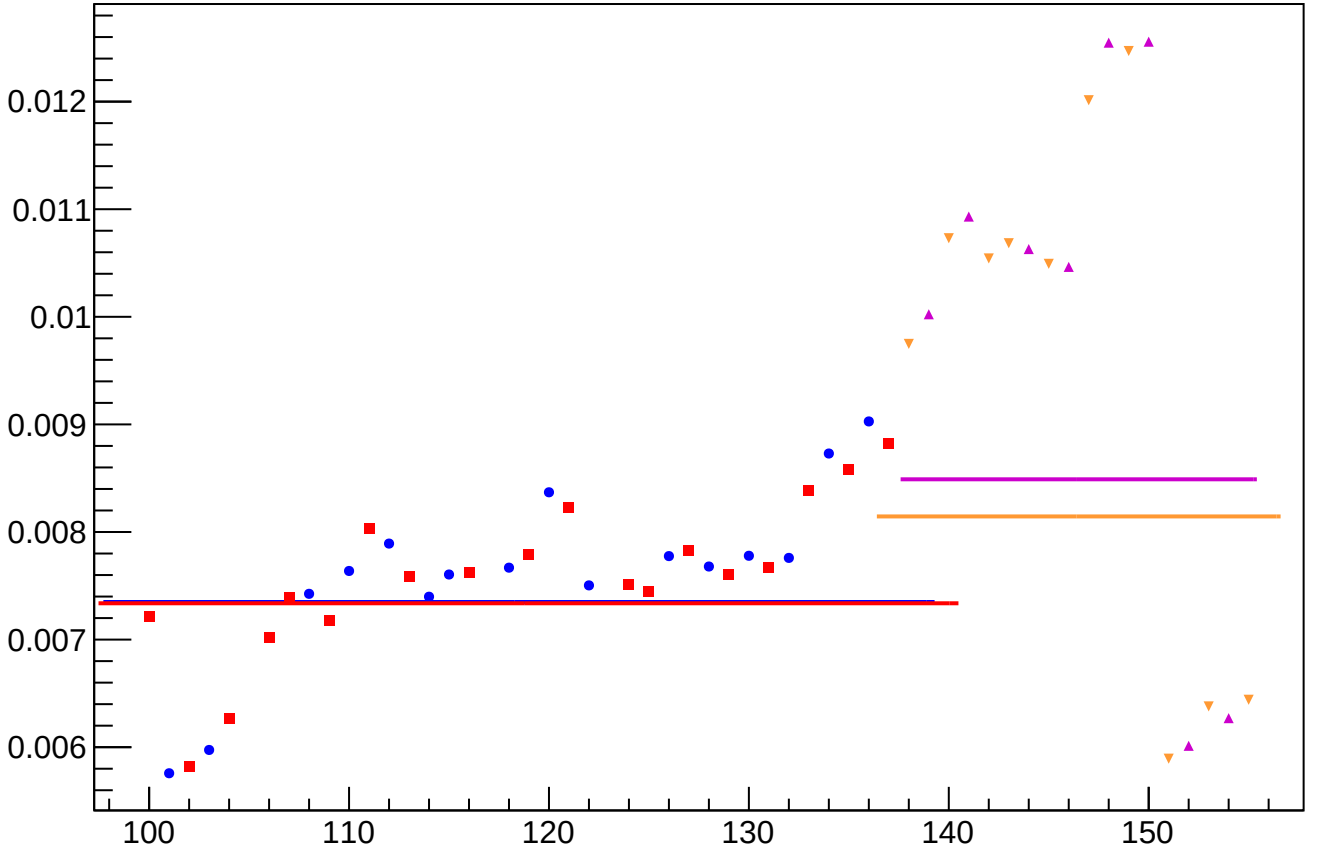
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.561+/-0.000 χ^2/NDF:286191120195.8/23

Out: 0.488+/-0.000 χ^2/NDF:290747324820.6/28

All: 0.523+/-0.000 χ^2/NDF: 577556268683.7

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:1207927.3/9

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1138246.0/7

Left: 0.008+/-0.000 χ^2/NDF: 2357802.3/17

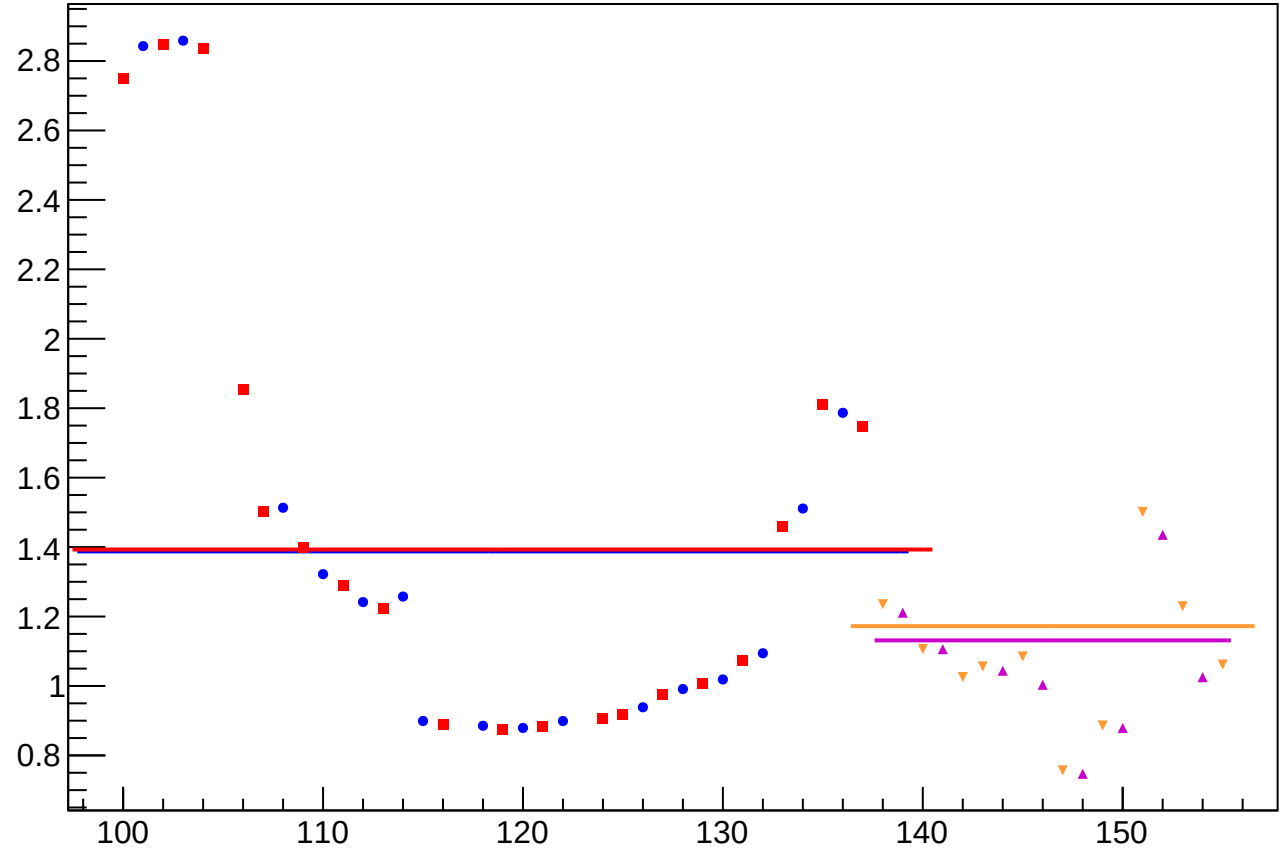
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:1546853.3/23

Out: 0.008+/-0.000 χ^2/NDF:1482080.3/28

All: 0.008+/-0.000 χ^2/NDF: 3032112.8/52

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.172+/-0.000 χ^2/NDF:4574199622.3/9

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.131+/-0.000 χ^2/NDF:3854555374.4/7

Left: 1.154+/-0.000 χ^2/NDF: 8522161699.2/17

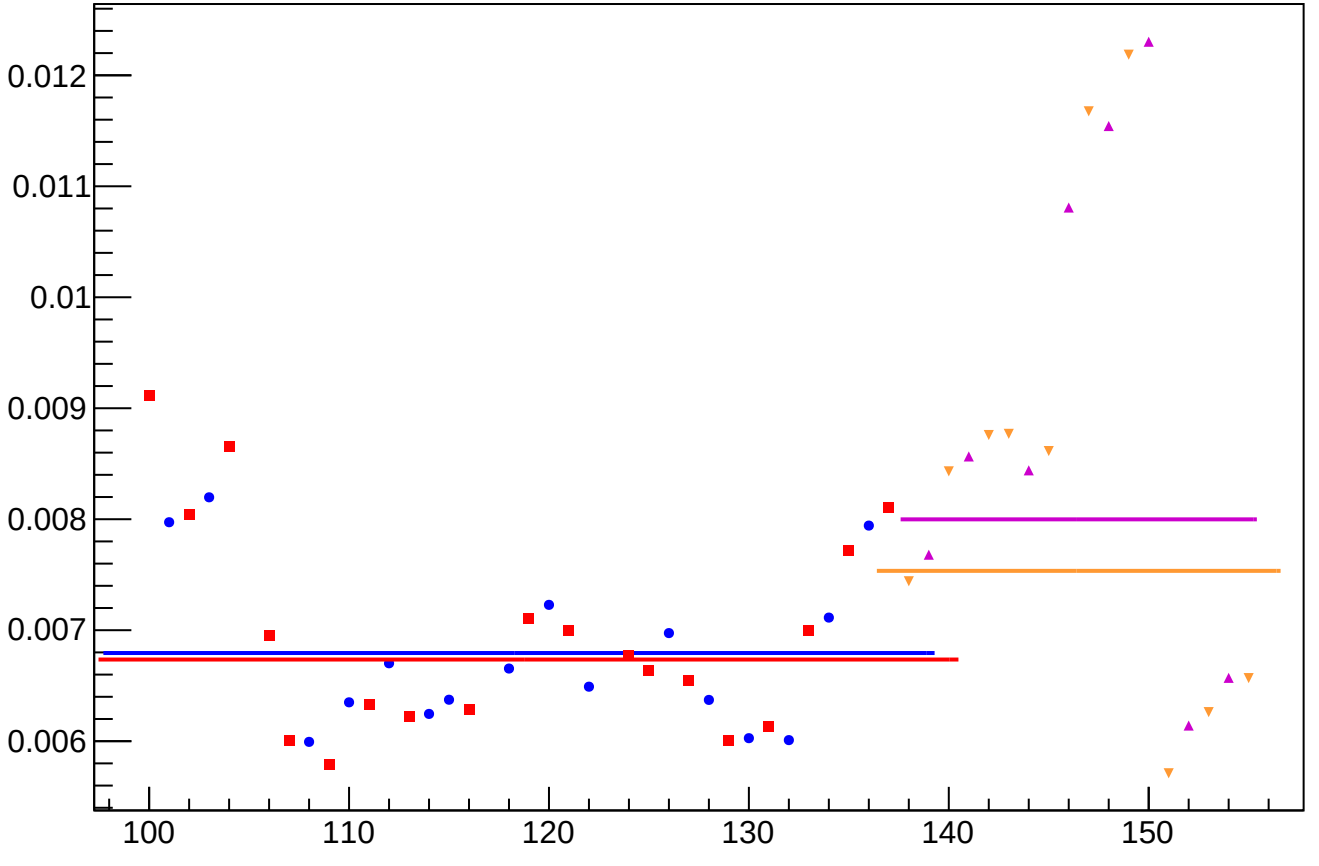
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.287+/-0.000 χ^2/NDF:66436732496.3/23

Out: 1.297+/-0.000 χ^2/NDF:63377243101.4/28

All: 1.292+/-0.000 χ^2/NDF: 129827549873.5

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:756952.6/9

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:713200.9/7

Left: 0.008+/-0.000 χ^2/NDF: 1494023.3/17

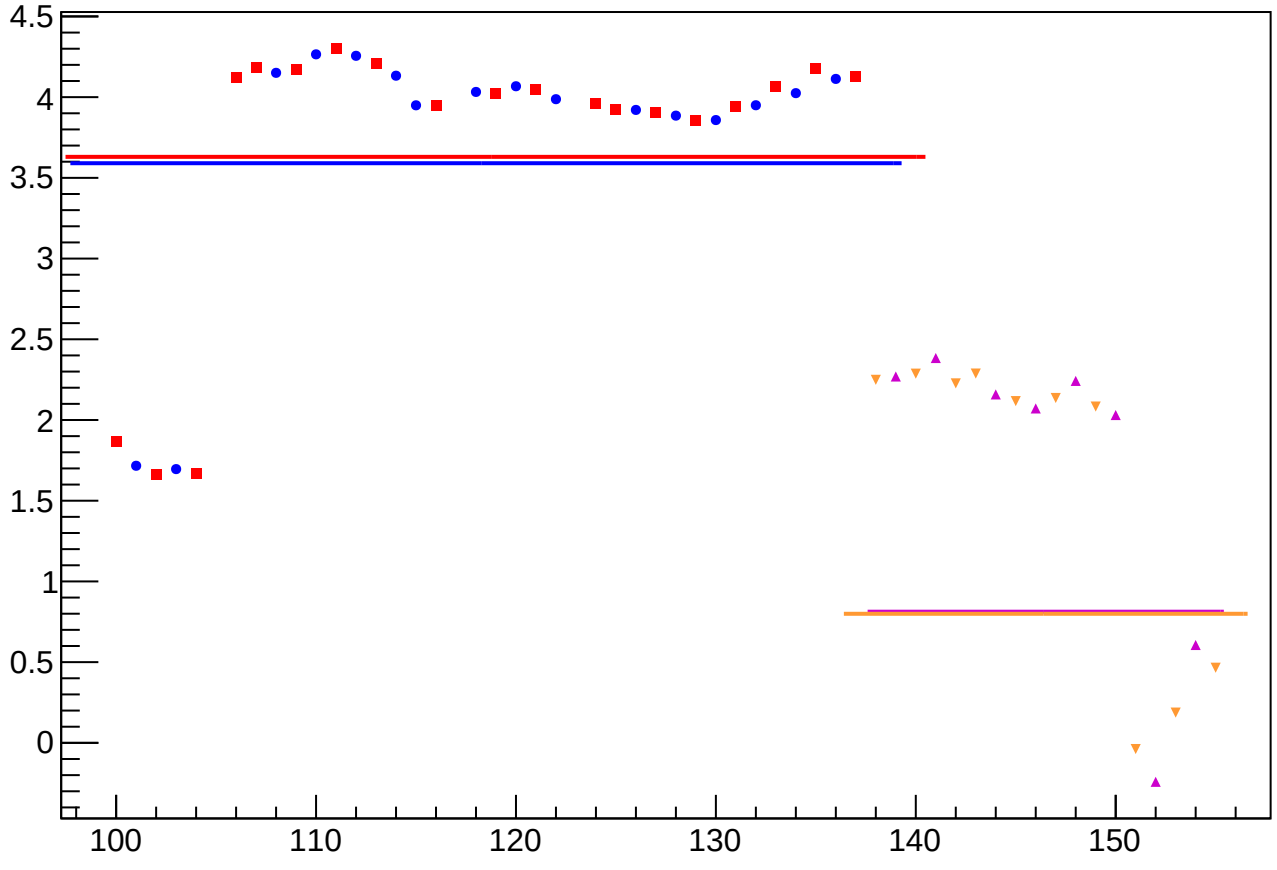
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1053010.3/23

Out: 0.007+/-0.000 χ^2/NDF:1045600.4/28

All: 0.007+/-0.000 χ^2/NDF: 2107721.8/52

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.800+/-0.000 χ^2/NDF:234955248889.5/9

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.812+/-0.000 χ^2/NDF:236610578849.6/7

Left: 0.805+/-0.000 χ^2/NDF: 471586463306.6/17

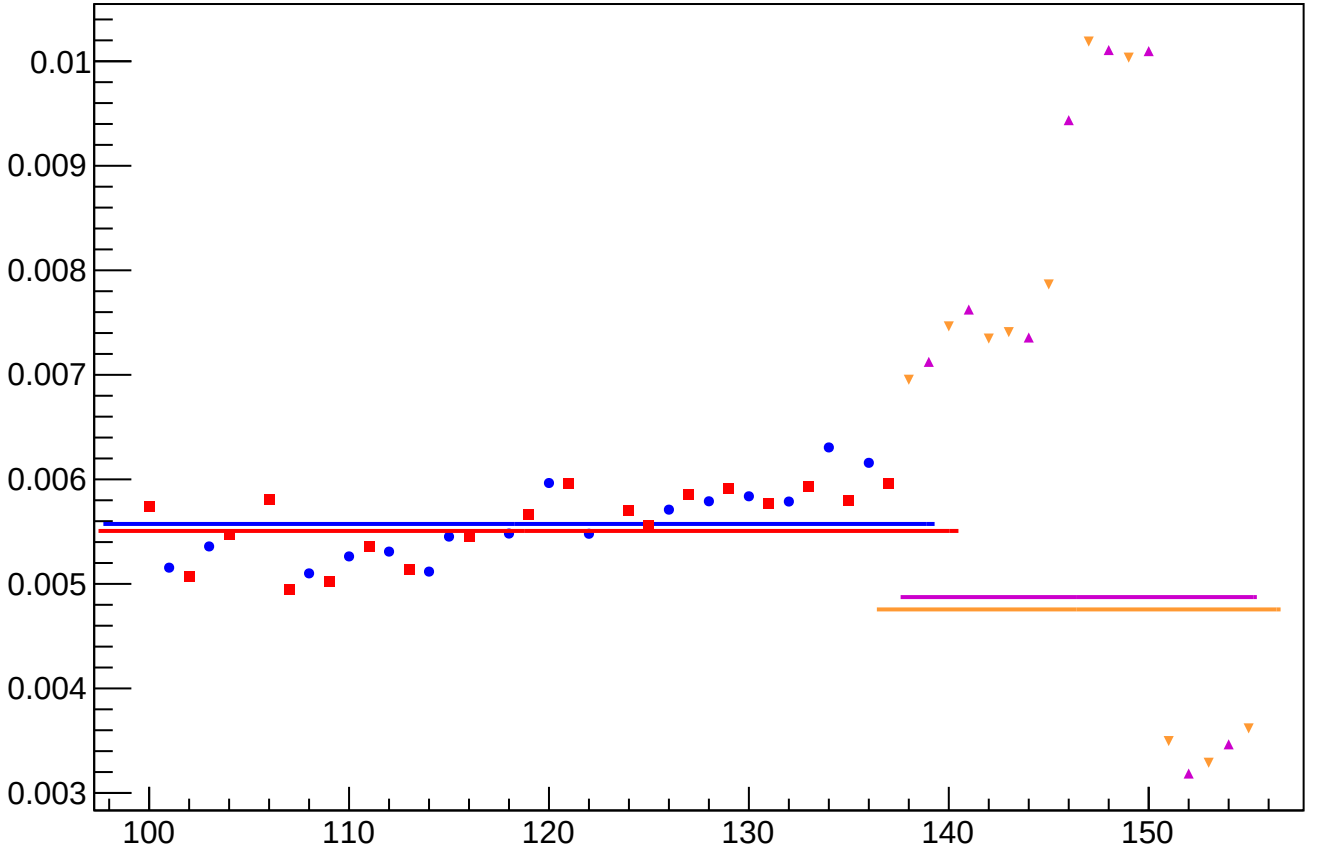
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 2.217+/-0.000 χ^2/NDF:1319528205639.1/23

Out: 2.130+/-0.000 χ^2/NDF:1470349788116.8/28

All: 2.171+/-0.000 χ^2/NDF: 2791708859770.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:2404272.4/9

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.005+/-0.000 χ^2/NDF:2554282.3/7

Left: 0.005+/-0.000 χ^2/NDF: 4961994.1/17

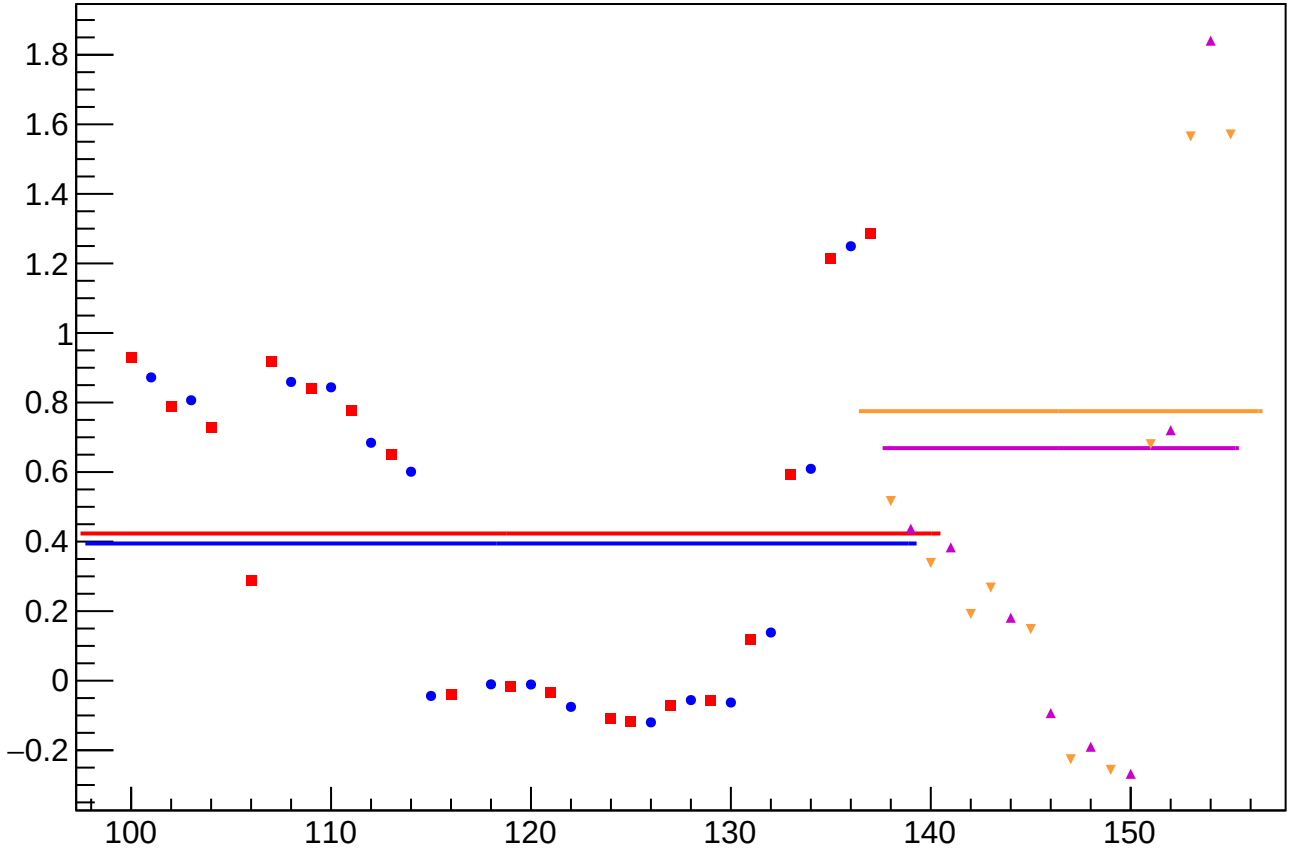
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.005+/-0.000 χ^2/NDF:2725129.2/23

Out: 0.005+/-0.000 χ^2/NDF:2605645.7/28

All: 0.005+/-0.000 χ^2/NDF: 5337601.9/52

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.775+/-0.000 χ^2/NDF:19498482863.4/9

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 0.669+/-0.000 χ^2/NDF:19873812425.9/7

Left: 0.726+/-0.000 χ^2/NDF: 39605606439.6/17

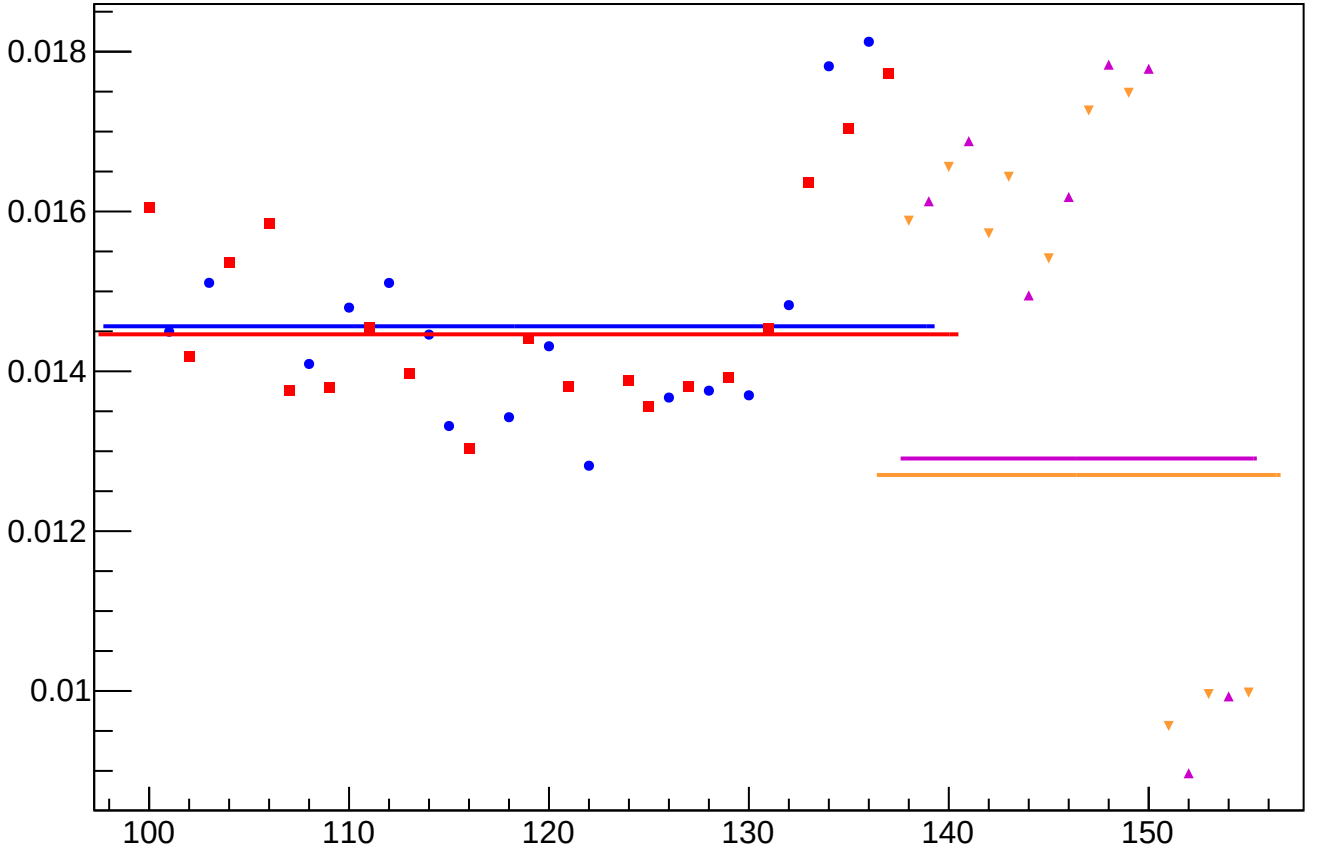
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.541+/-0.000 χ^2/NDF:28632111672.7/23

Out: 0.621+/-0.000 χ^2/NDF:28824383689.7/28

All: 0.583+/-0.000 χ^2/NDF: 57697008933.5/5

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:969025.0/9

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.013+/-0.000 χ^2/NDF:1012650.1/7

Left: 0.013+/-0.000 χ^2/NDF: 1983431.6/17

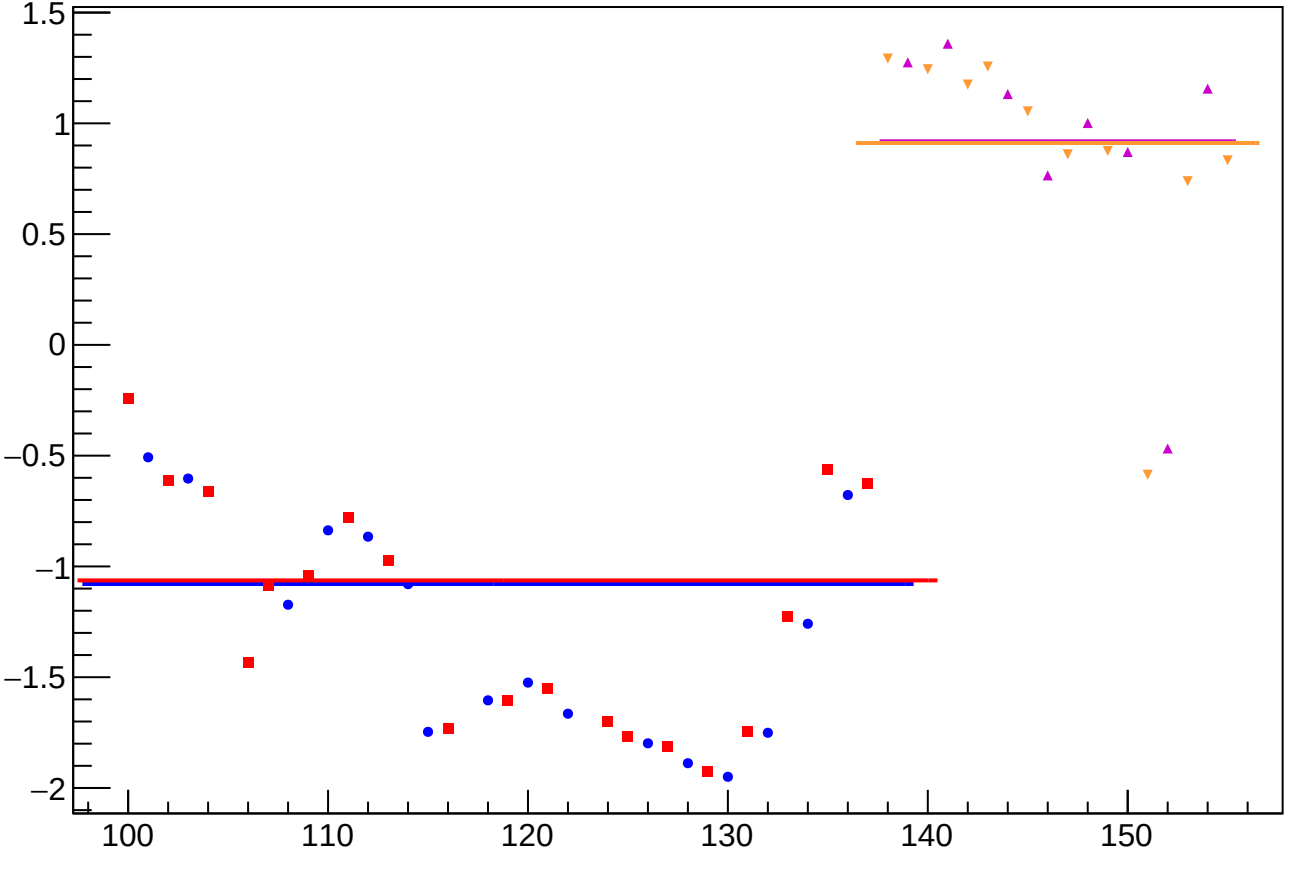
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.014+/-0.000 χ^2/NDF:1243726.4/23

Out: 0.013+/-0.000 χ^2/NDF:1167670.2/28

All: 0.014+/-0.000 χ^2/NDF: 2414576.3/52

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.911+/-0.000 χ^2/NDF:98502730185.5/9

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 0.919+/-0.000 χ^2/NDF:108173334627.0/7

Left: 0.915+/-0.000 χ^2/NDF: 206689158504.1/17

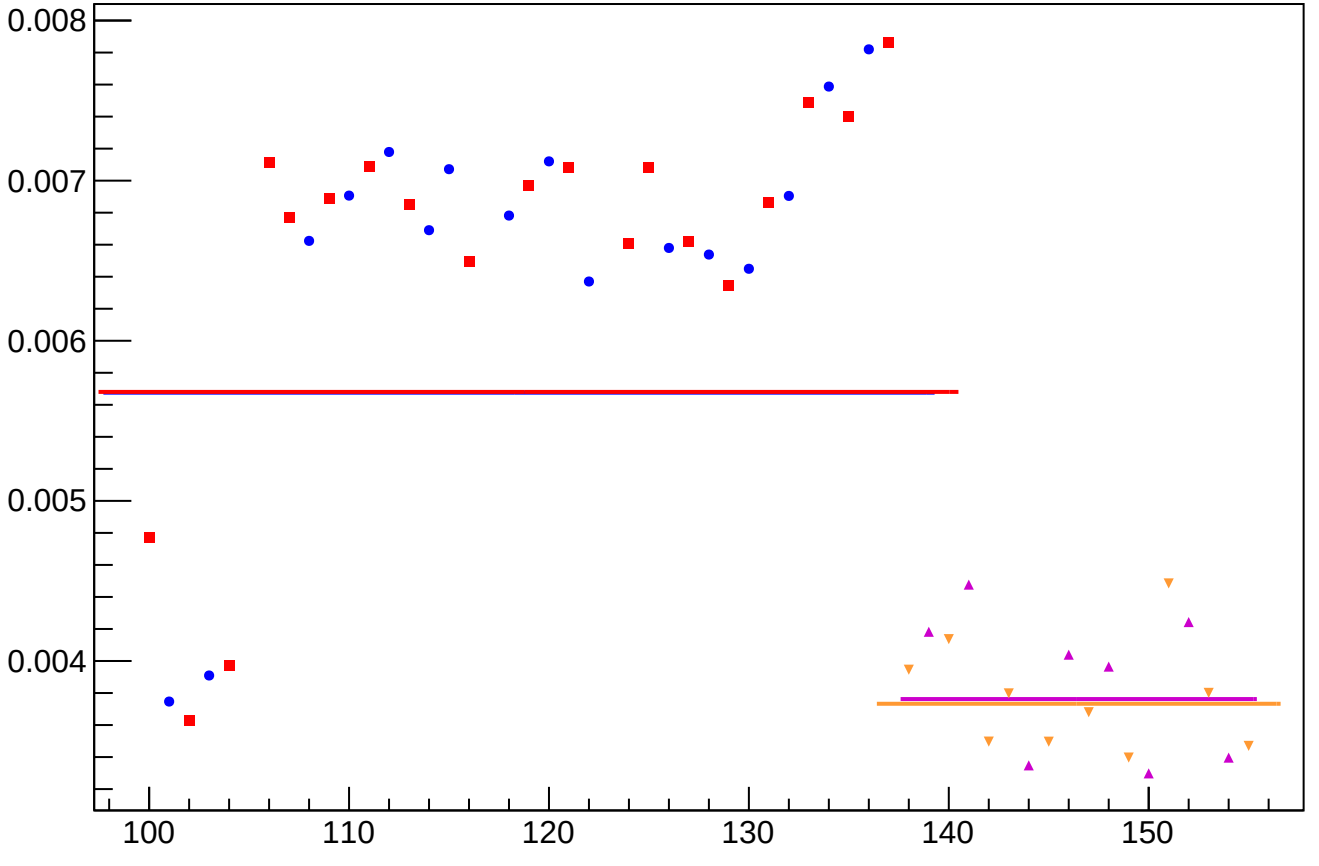
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.290+/-0.000 χ^2/NDF:708737062176.1/23

Out: 0.345+/-0.000 χ^2/NDF:704130213313.2/28

All: 0.319+/-0.000 χ^2/NDF: 1413880777492.

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:91072.7/9

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:163889.2/7

Left: 0.004+/-0.000 χ^2/NDF: 255362.1/17

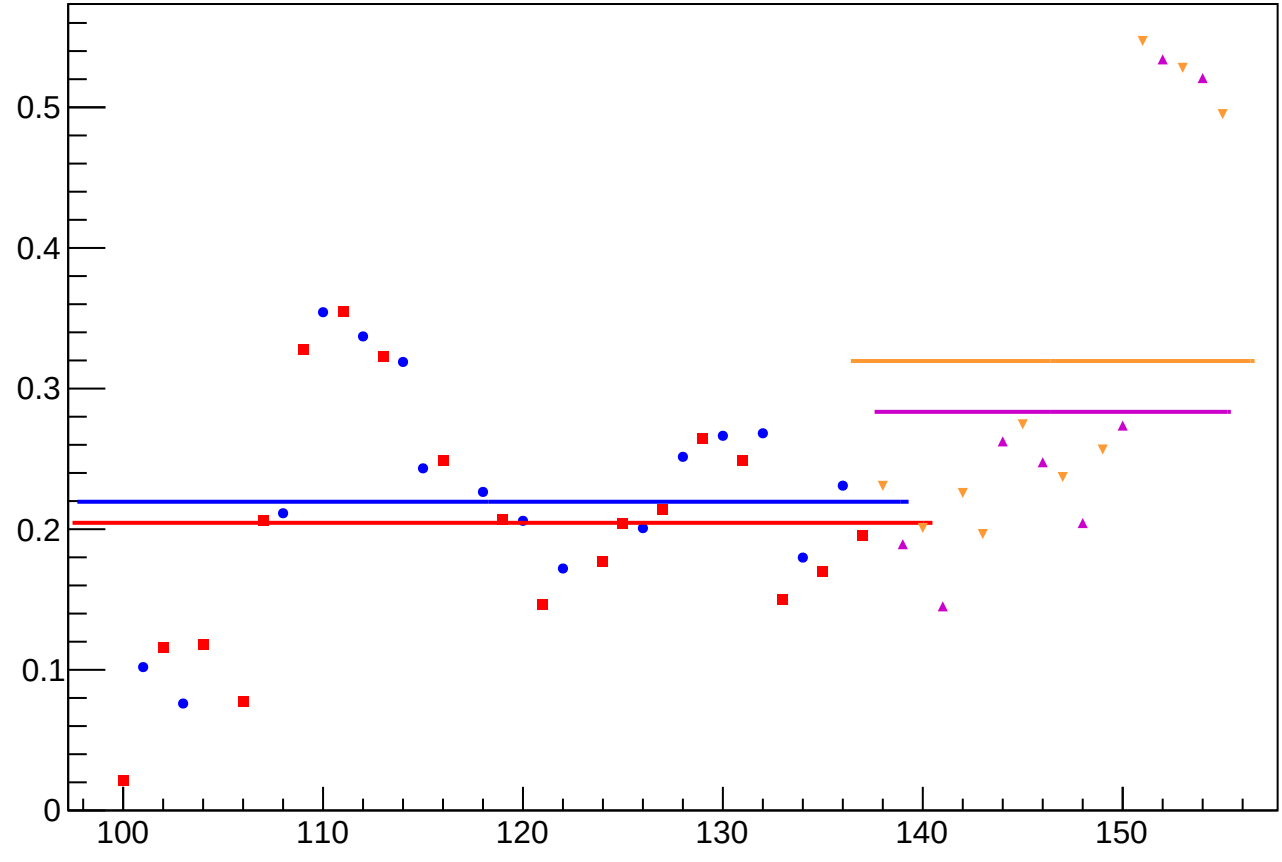
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2100839.5/23

Out: 0.004+/-0.000 χ^2/NDF:2153345.4/28

All: 0.004+/-0.000 χ^2/NDF: 4257746.6/52

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.320+/-0.000 χ^2/NDF:71860936750.1/9

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.283+/-0.000 χ^2/NDF:52911370680.5/7

Left: 0.303+/-0.000 χ^2/NDF: 127018864206.3/17

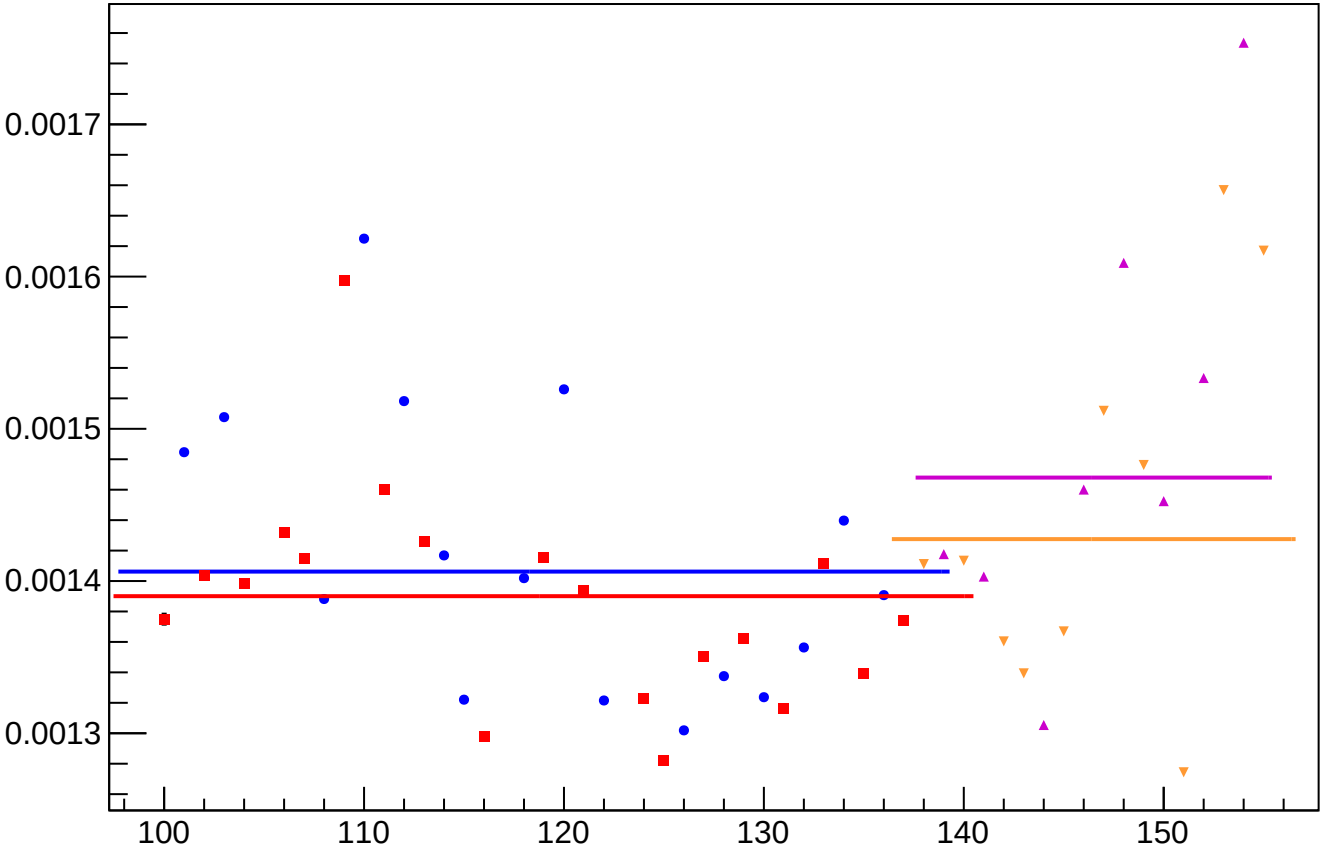
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.250+/-0.000 χ^2/NDF:76432227713.6/23

Out: 0.262+/-0.000 χ^2/NDF:119236994129.0/28

All: 0.256+/-0.000 χ^2/NDF: 196192017505.5

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:96956.0/9

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:94528.6/7

Left: 0.001+/-0.000 χ^2/NDF: 197100.7/17

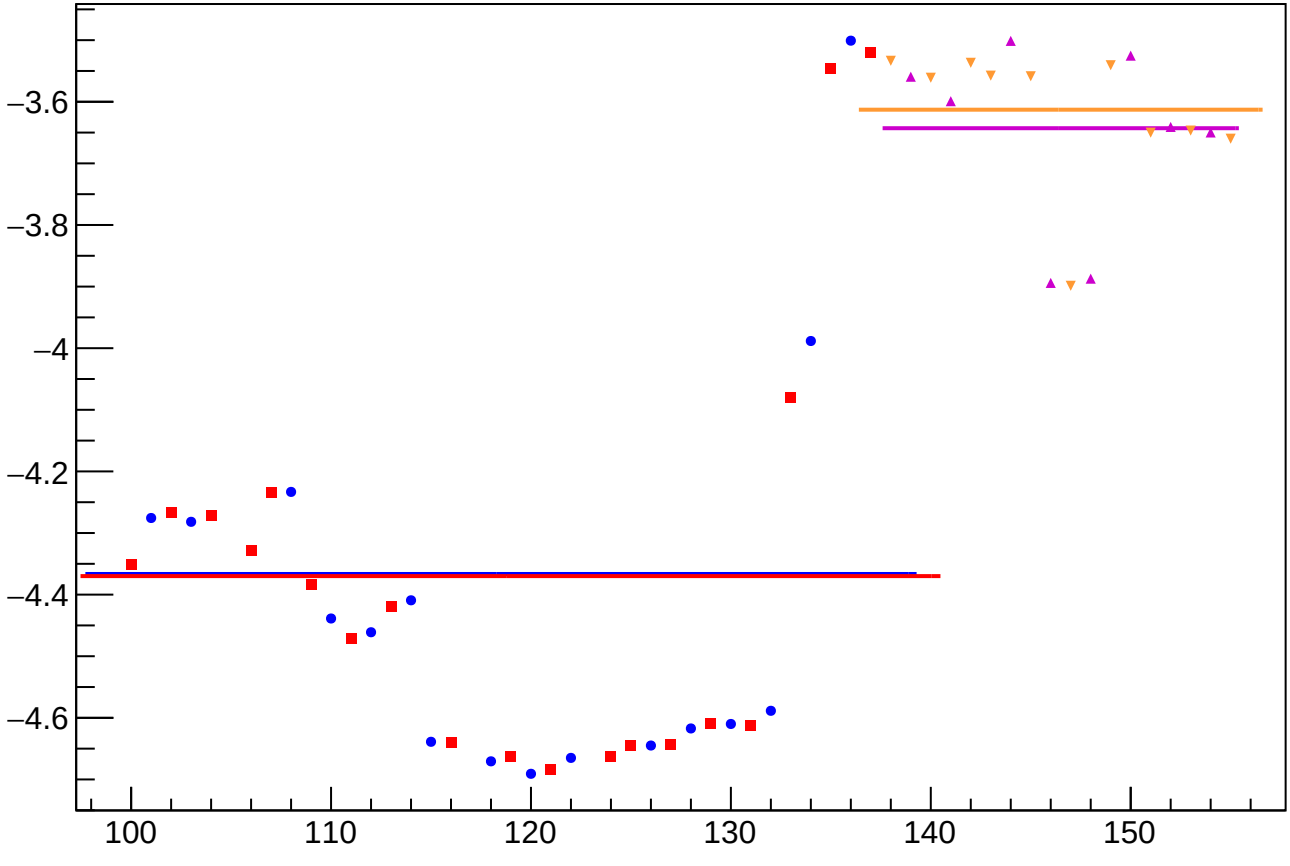
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:155399.6/23

Out: 0.001+/-0.000 χ^2/NDF:137060.5/28

All: 0.001+/-0.000 χ^2/NDF: 297508.4/52

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.613+/-0.000 χ^2/NDF:19794298633.8/9

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.643+/-0.000 χ^2/NDF:32358586170.8/7

Left: -3.626+/-0.000 χ^2/NDF: 53088660383.9/17

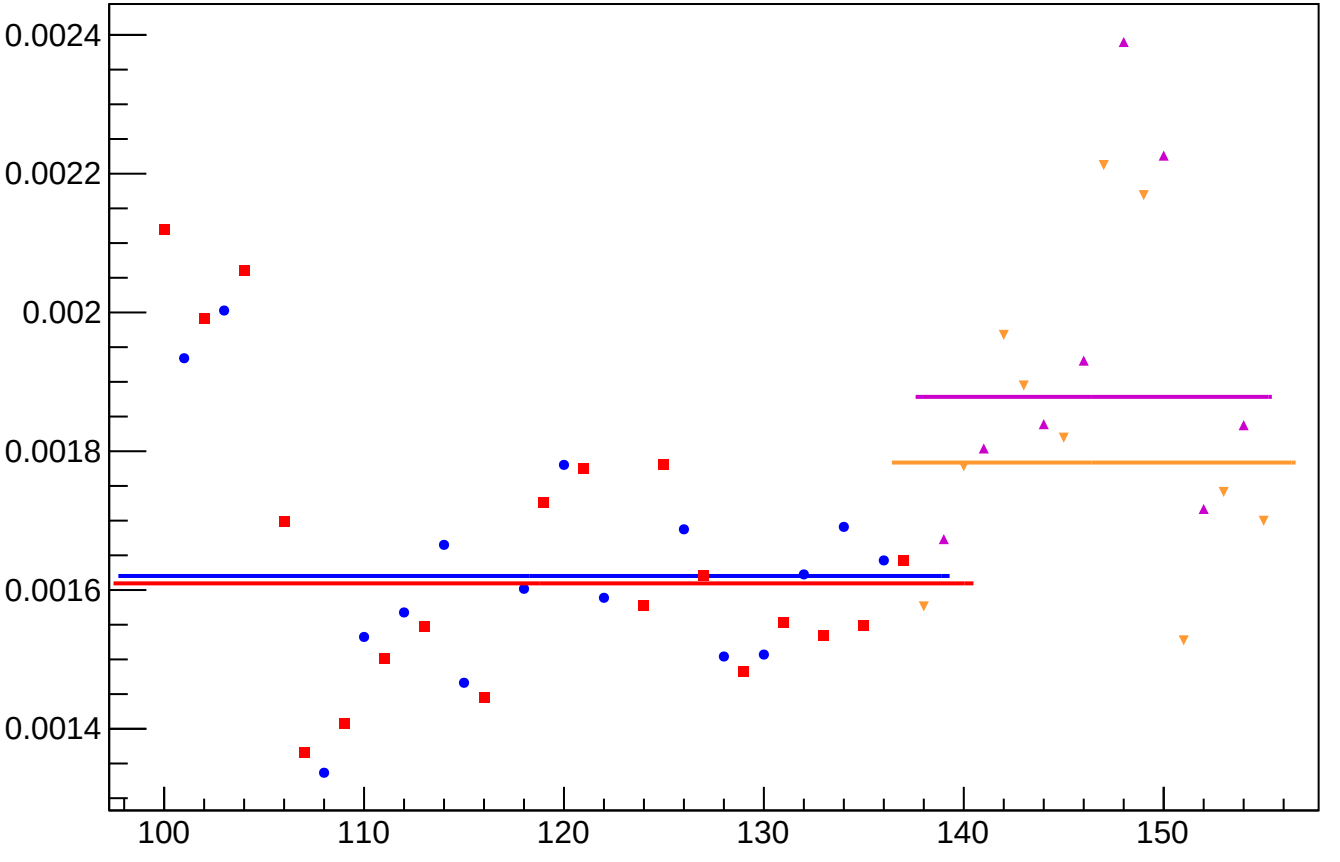
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.065+/-0.000 χ^2/NDF:956764464068.8/23

Out: -4.024+/-0.000 χ^2/NDF:1036458434800.2/28

All: -4.043+/-0.000 χ^2/NDF: 1997295298569

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:198983.6/9

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:160285.6/7

Left: 0.002+/-0.000 χ^2/NDF: 377826.4/17

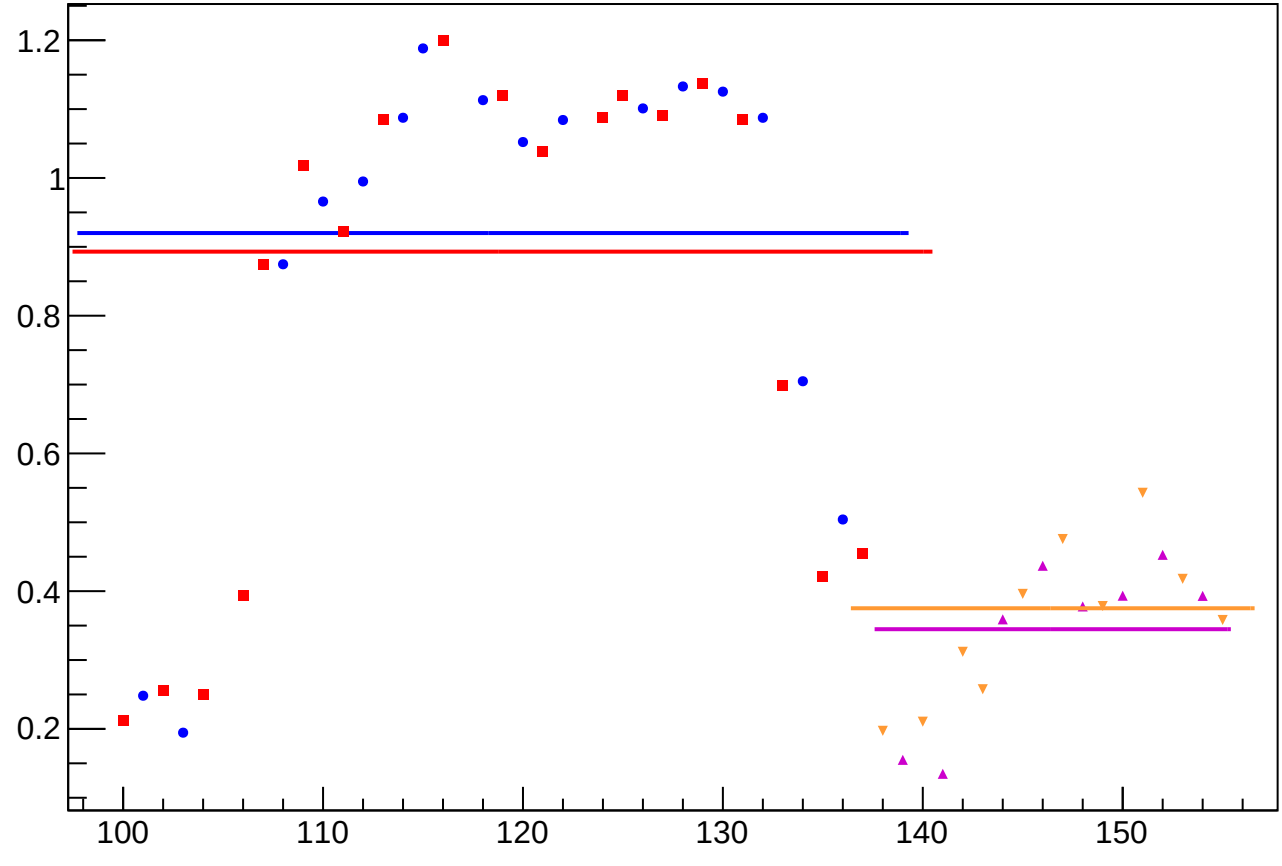
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:445927.8/23

Out: 0.002+/-0.000 χ^2/NDF:460172.7/28

All: 0.002+/-0.000 χ^2/NDF: 913187.2/52

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.375+/-0.000 χ^2/NDF:1621062484.5/9

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.345+/-0.000 χ^2/NDF:1332386479.6/7

Left: 0.362+/-0.000 χ^2/NDF: 3003656073.1/17

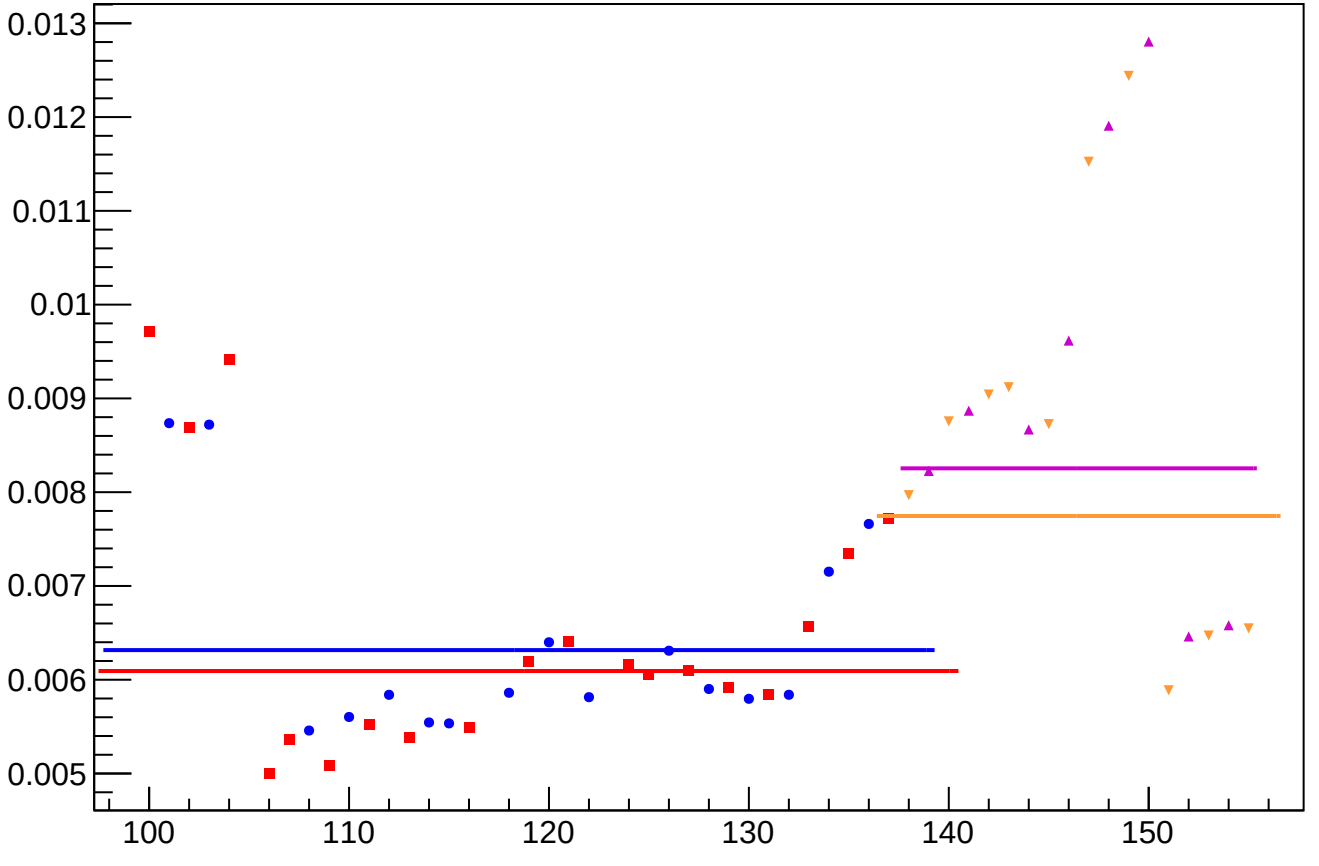
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.715+/-0.000 χ^2/NDF:36615237028.1/23

Out: 0.693+/-0.000 χ^2/NDF:39507516136.9/28

All: 0.703+/-0.000 χ^2/NDF: 76195168019.4/5

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:796912.5/9

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.008+/-0.000 χ^2/NDF:675740.0/7

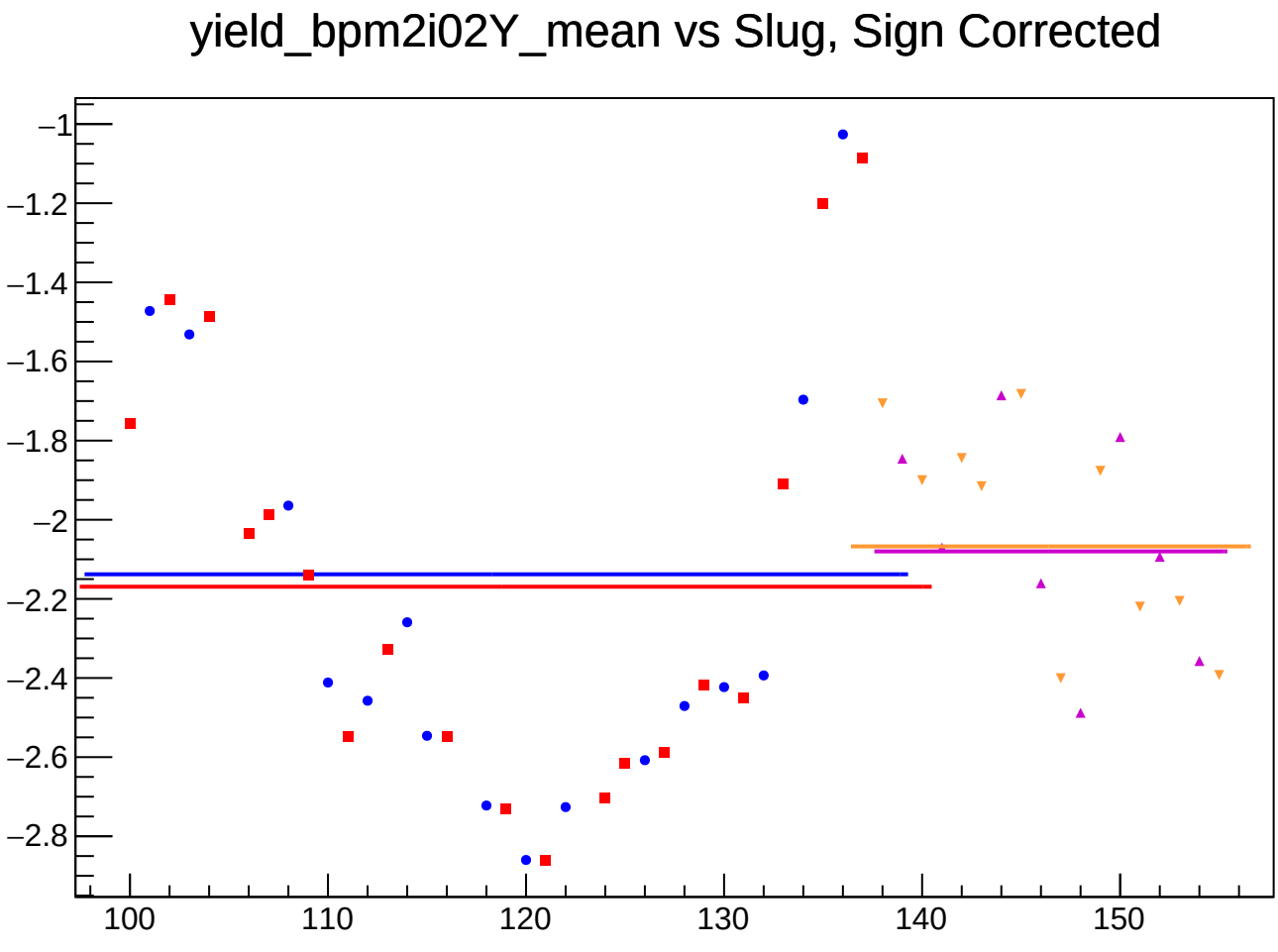
Left: 0.008+/-0.000 χ^2/NDF: 1500679.4/17

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

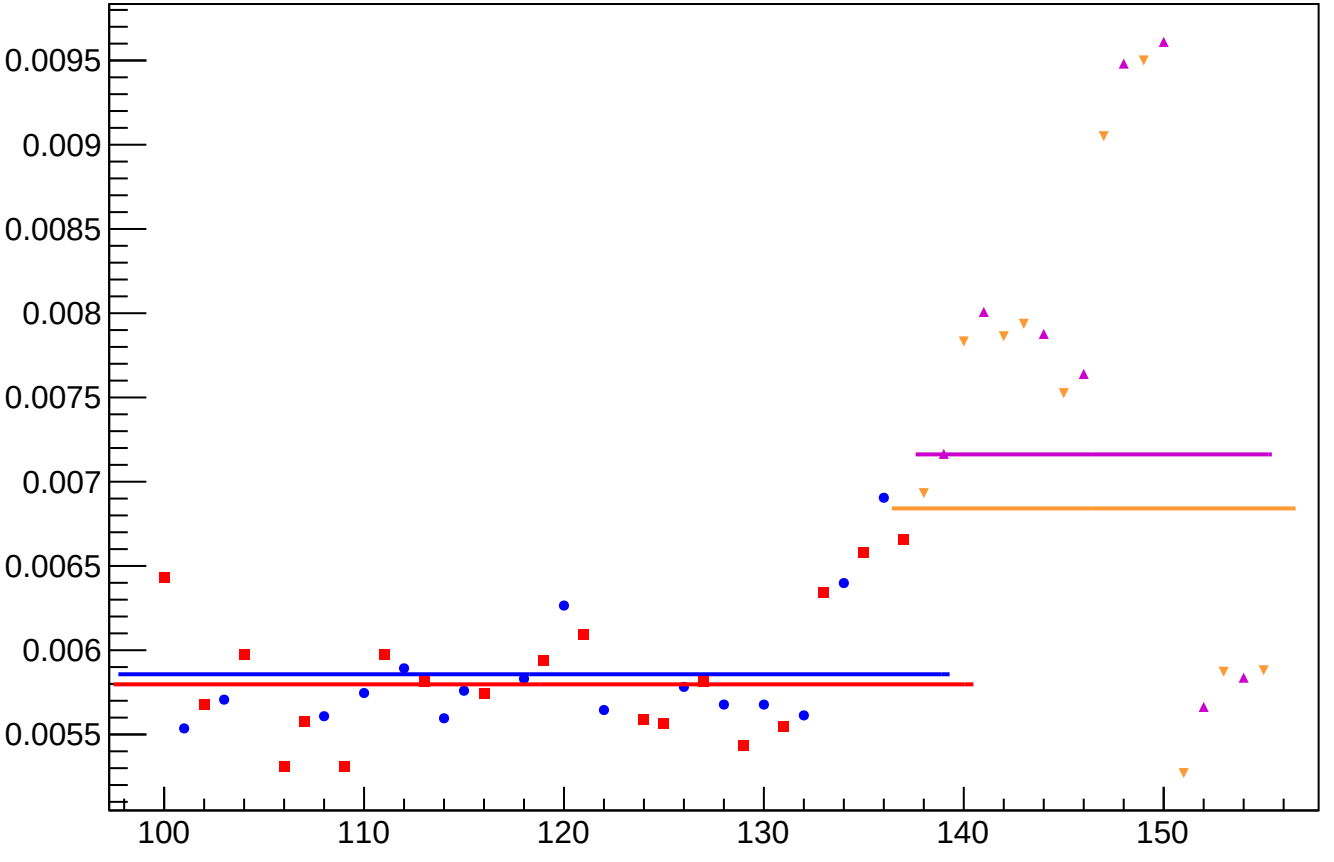
In: 0.007+/-0.000 χ^2/NDF:1481742.9/23

Out: 0.007+/-0.000 χ^2/NDF:1645389.5/28

All: 0.007+/-0.000 χ^2/NDF: 3149281.0/52


yield_bpm2i02Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
100
110
120
130
140
150
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.067+/-0.000 χ²/NDF:10390550796.5/9
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.080+/-0.000 χ²/NDF:7590051213.1/7
Left: -2.073+/-0.000 χ²/NDF: 17992185415.6/17
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.116+/-0.000 χ²/NDF:73527414356.9/23
Out: -2.126+/-0.000 χ²/NDF:68768550275.5/28
All: -2.121+/-0.000 χ²/NDF: 142317199516.5

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:551936.7/9

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:468697.4/7

Left: 0.007+/-0.000 χ^2/NDF: 1035540.4/17

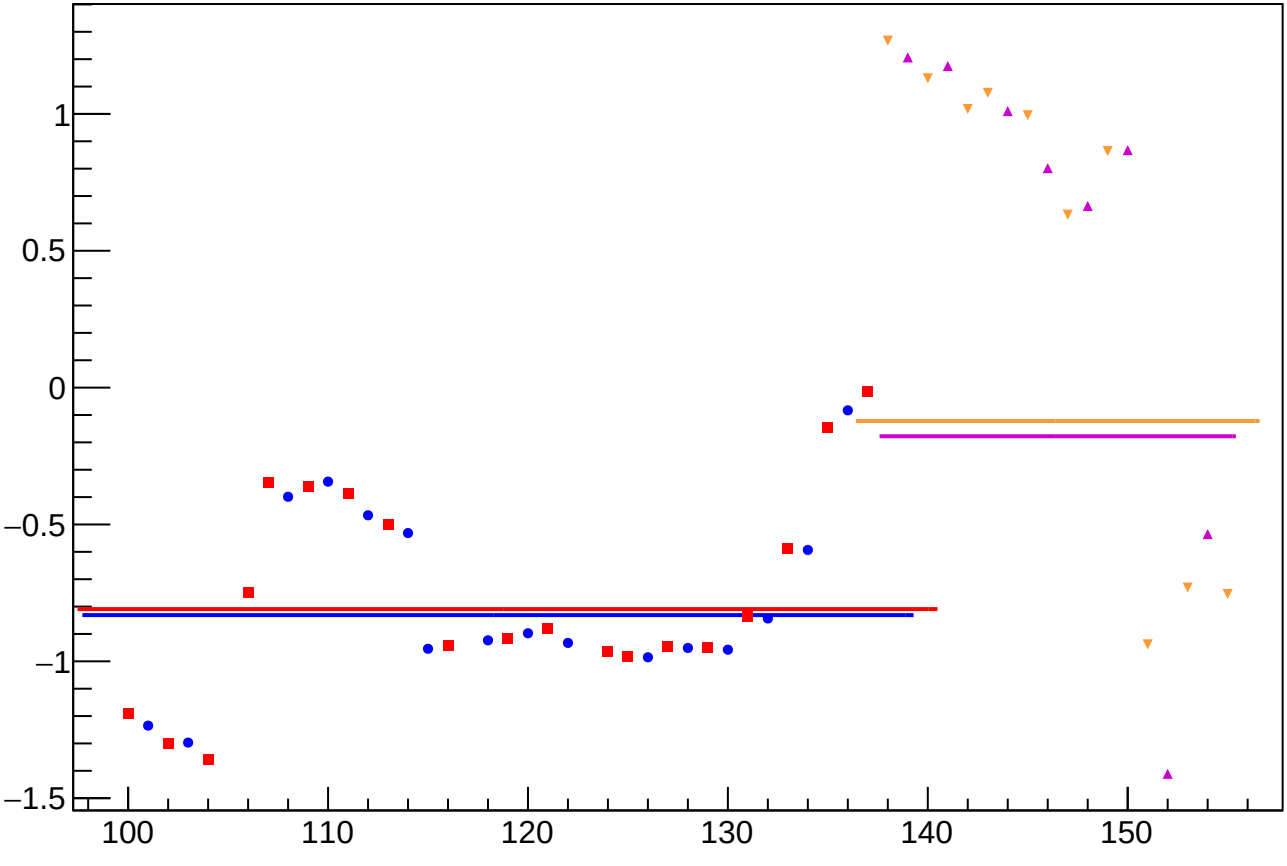
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:806071.5/23

Out: 0.006+/-0.000 χ^2/NDF:811760.9/28

All: 0.006+/-0.000 χ^2/NDF: 1623393.9/52

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.122+/-0.000 χ^2/NDF:67578475081.5/9

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.178+/-0.000 χ^2/NDF:80233165177.4/7

Left: -0.148+/-0.000 χ^2/NDF: 147933404594.7/17

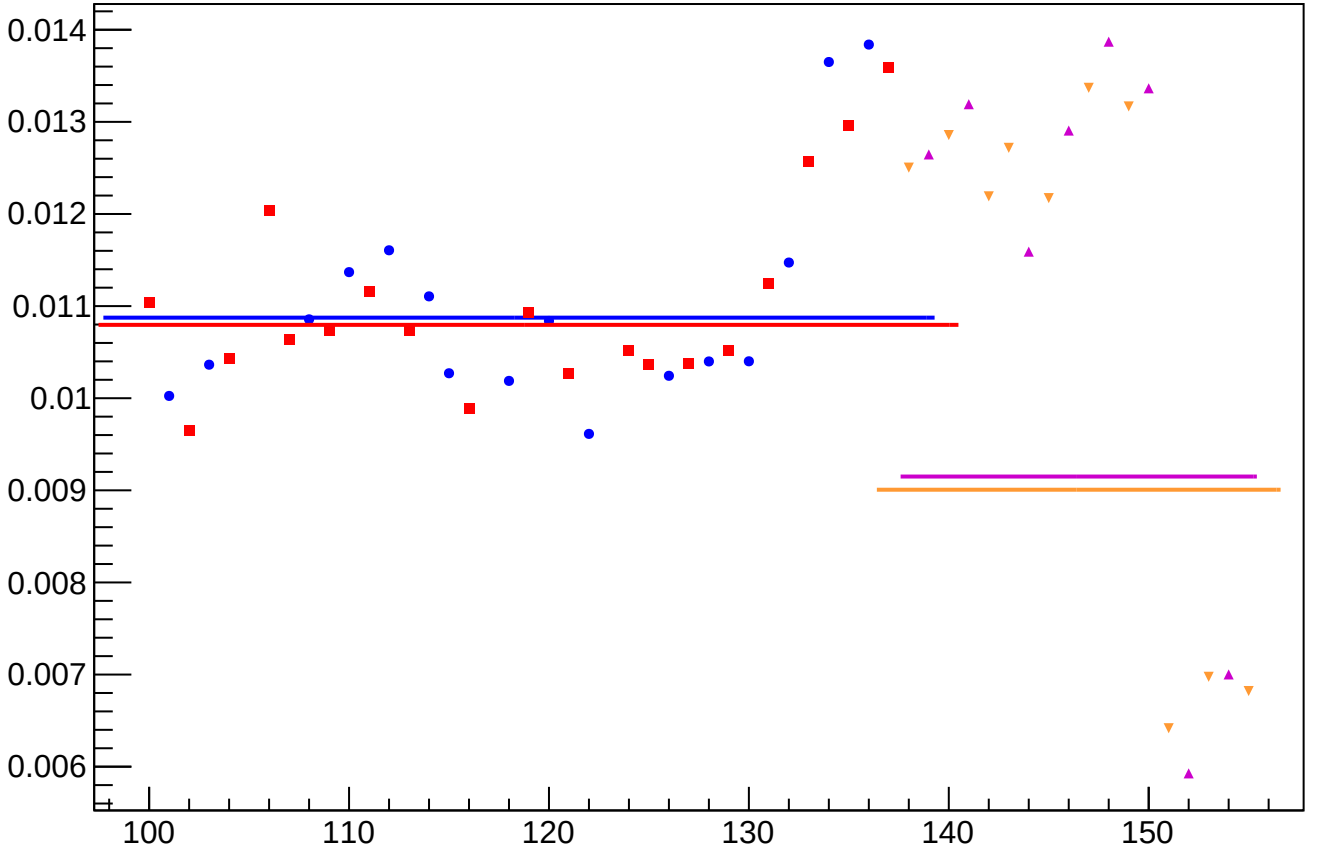
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.472+/-0.000 χ^2/NDF:101305061698.2/23

Out: -0.412+/-0.000 χ^2/NDF:92654301499.0/28

All: -0.440+/-0.000 χ^2/NDF: 194211904522.1

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:1458090.6/9

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.009+/-0.000 χ^2/NDF:1535291.5/7

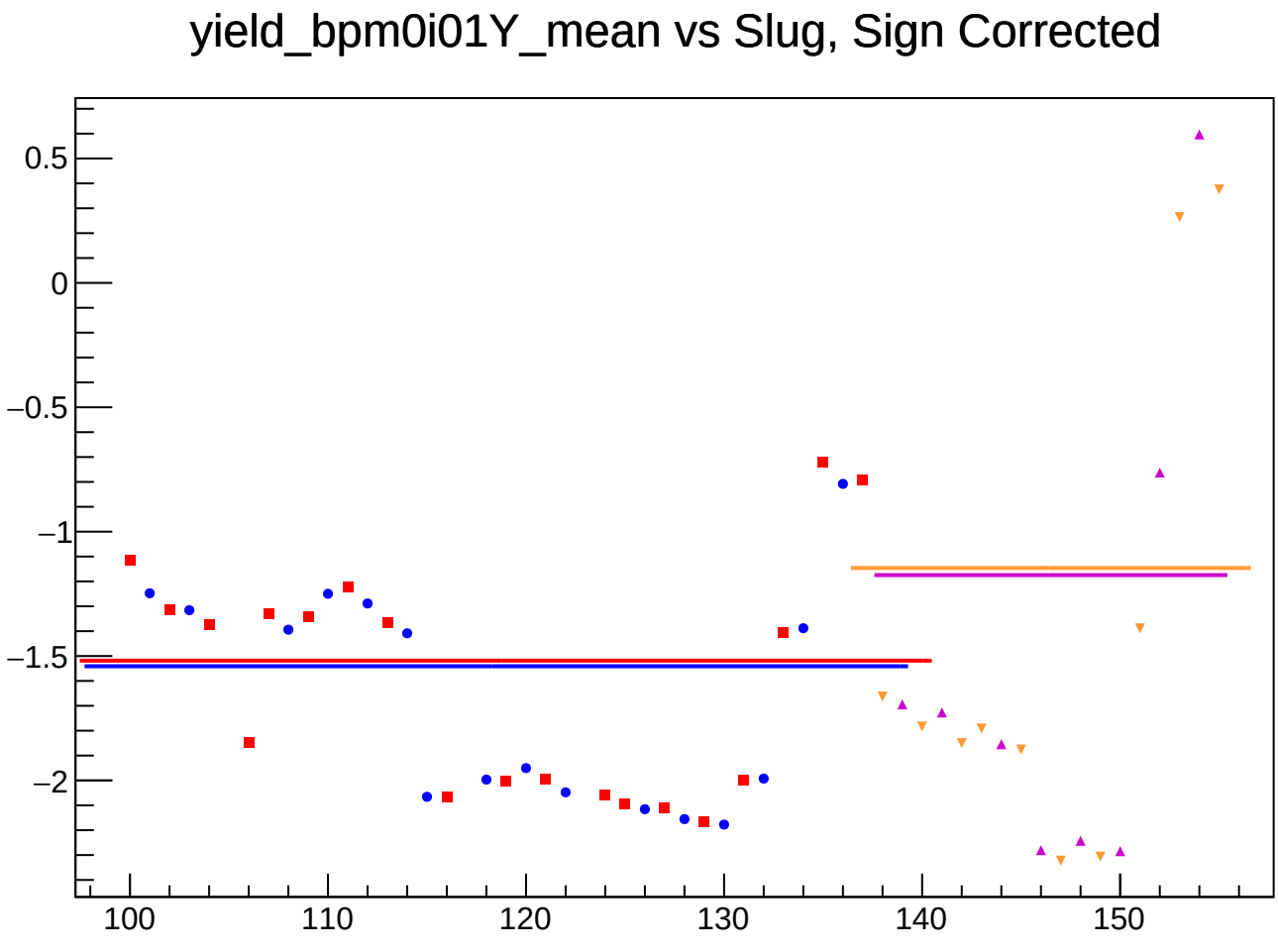
Left: 0.009+/-0.000 χ^2/NDF: 2994986.7/17

Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

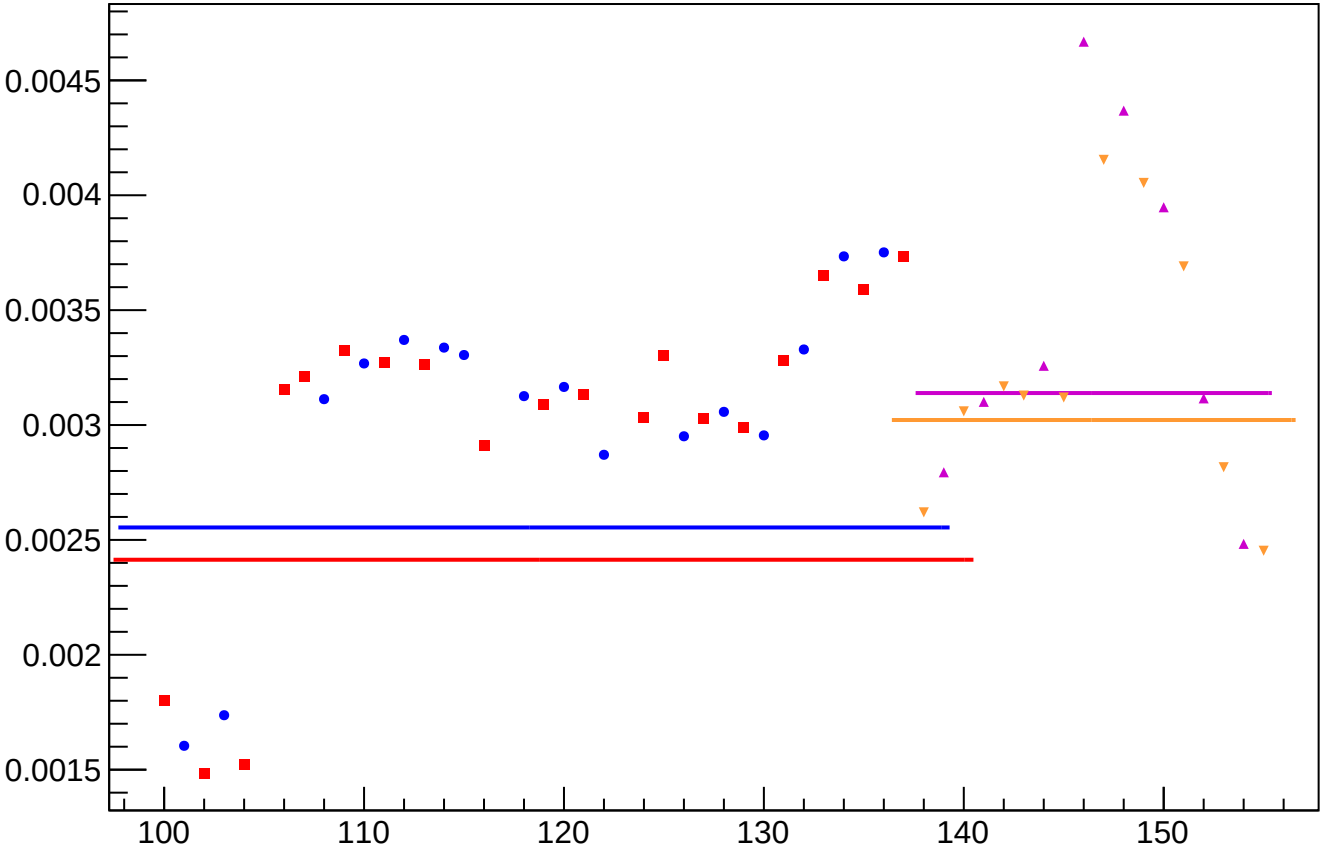
In: 0.010+/-0.000 χ^2/NDF:1887508.9/23

Out: 0.010+/-0.000 χ^2/NDF:1786939.1/28

All: 0.010+/-0.000 χ^2/NDF: 3678246.9/52


yield_bpm0i01Y_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
Right In: -1.541+/-0.000 χ²/NDF: 162409397922.2/15
Left Out: -1.146+/-0.000 χ²/NDF:753238496759.9/9
Right Out: -1.519+/-0.000 χ²/NDF: 145077318641.2/18
Left In: -1.175+/-0.000 χ²/NDF:650981491567.4/7
Left: -1.159+/-0.000 χ²/NDF: 1404489758800.0/17
Right: -1.529+/-0.000 χ²/NDF: 307732116783.0/34
In: -1.399+/-0.000 χ²/NDF:861871499242.0/23
Out: -1.363+/-0.000 χ²/NDF:957281739968.0/28
All: -1.380+/-0.000 χ²/NDF: 1820180676932

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:351946.9/9

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:427208.0/7

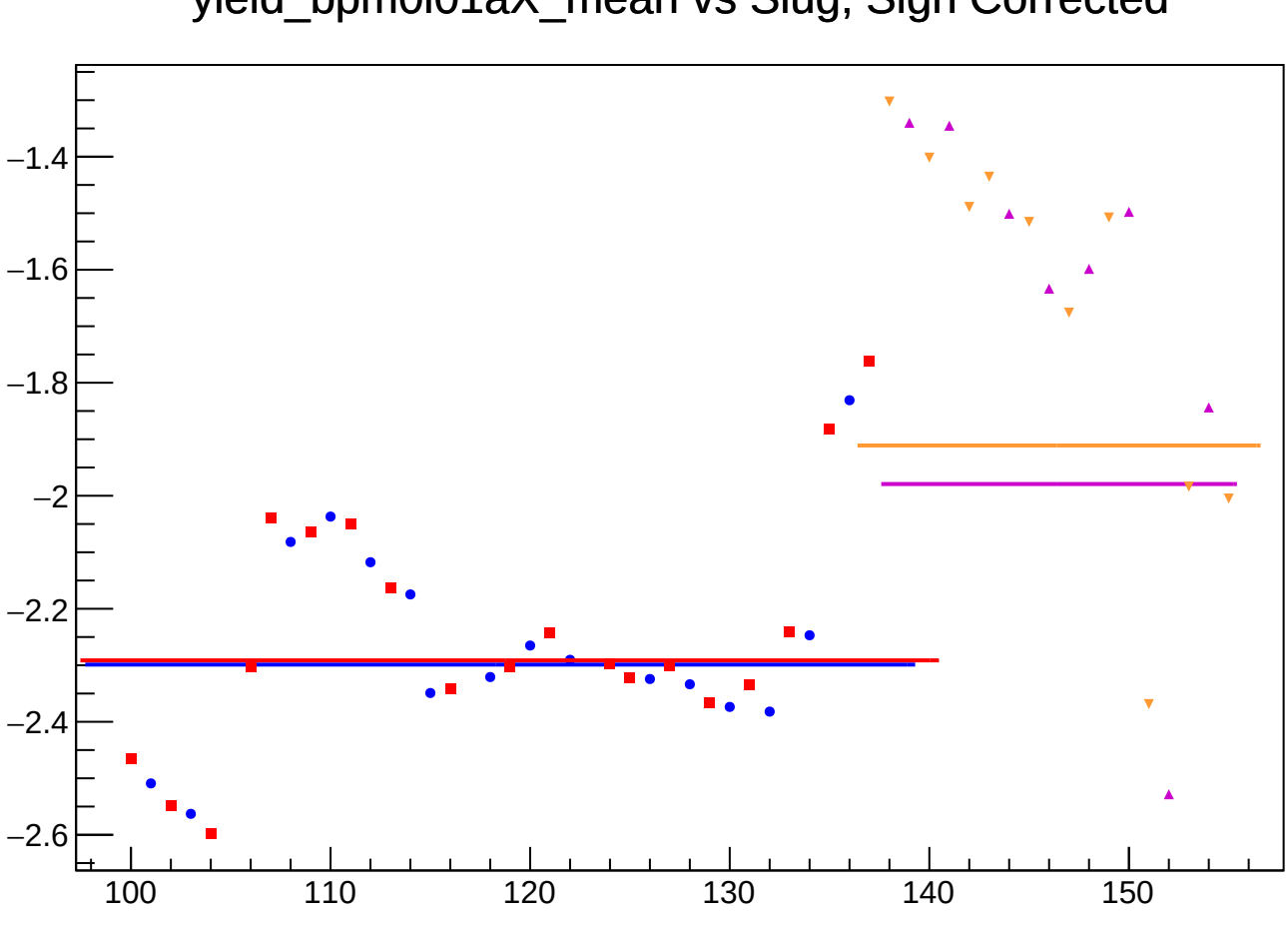
Left: 0.003+/-0.000 χ^2/NDF: 788136.5/17

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

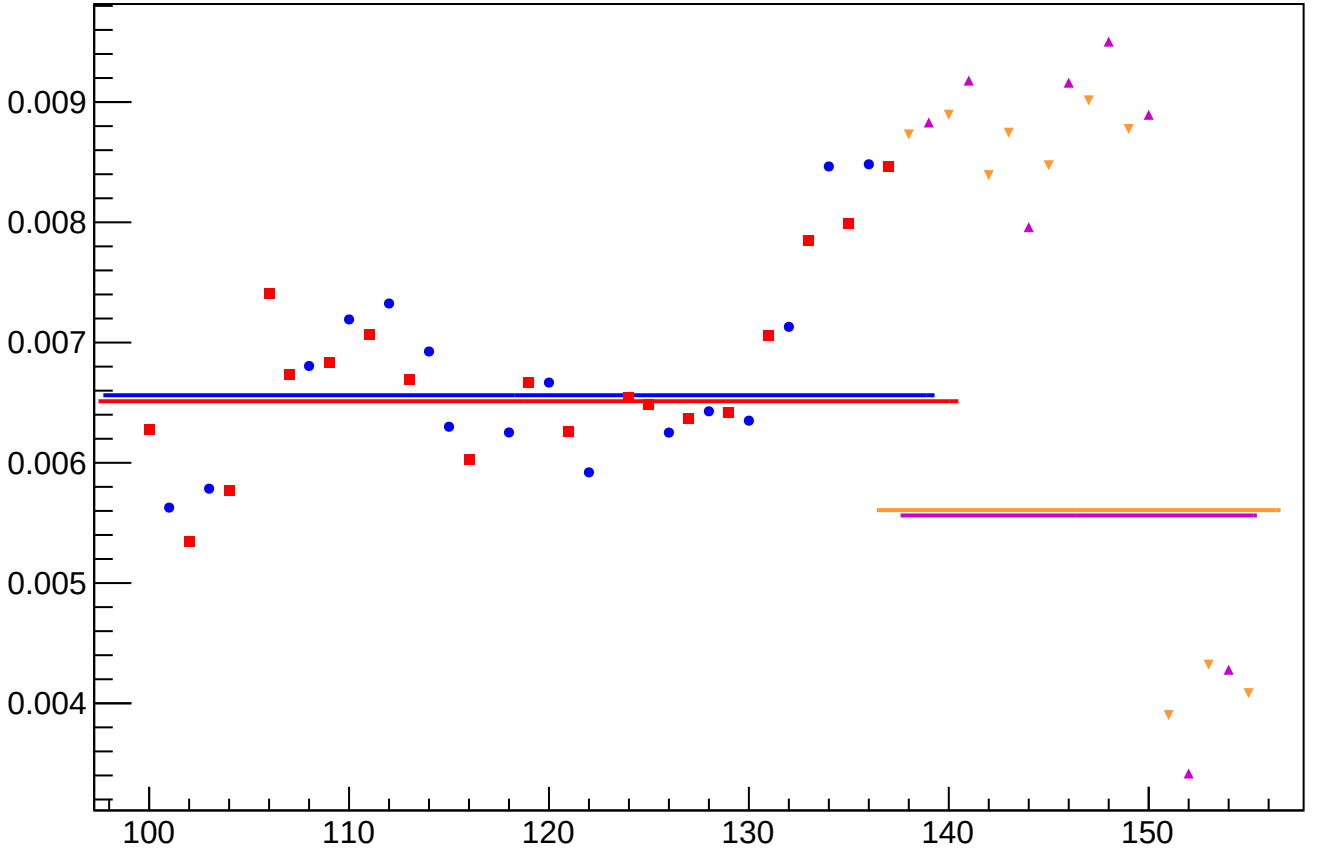
In: 0.003+/-0.000 χ^2/NDF:1846774.2/23

Out: 0.003+/-0.000 χ^2/NDF:2212765.4/28

All: 0.003+/-0.000 χ^2/NDF: 4080695.2/52


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.911+/-0.000 χ²/NDF:24423059399.0/9
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.979+/-0.000 χ²/NDF:38461601663.5/7
Left: -1.943+/-0.000 χ²/NDF: 63333745754.4/17
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -2.130+/-0.000 χ²/NDF:53274665761.3/23
Out: -2.081+/-0.000 χ²/NDF:44634067278.1/28
All: -2.104+/-0.000 χ²/NDF: 98328843182.6/

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:1966755.6/9

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.006+/-0.000 χ^2/NDF:2209646.8/7

Left: 0.006+/-0.000 χ^2/NDF: 4176781.4/17

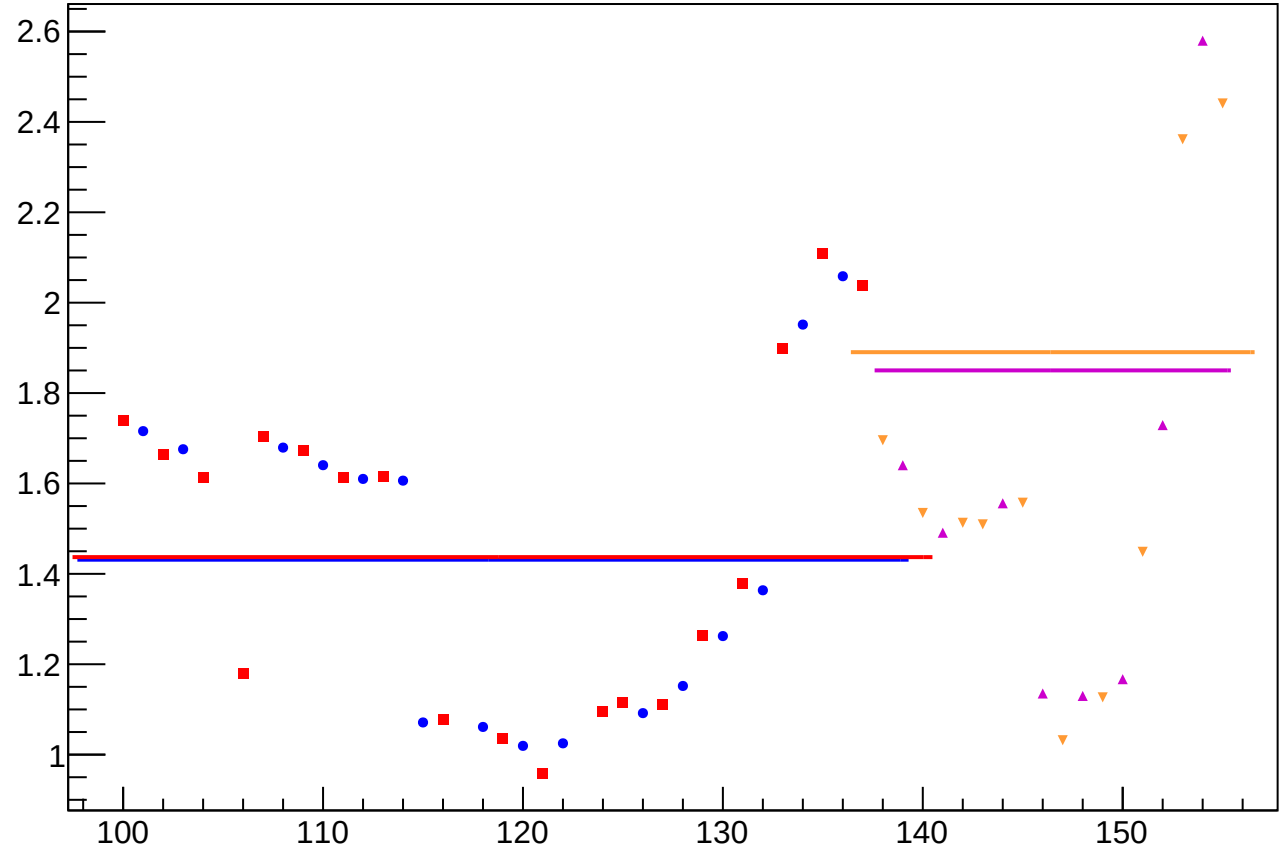
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.006+/-0.000 χ^2/NDF:2601577.1/23

Out: 0.006+/-0.000 χ^2/NDF:2303476.4/28

All: 0.006+/-0.000 χ^2/NDF: 4905212.8/52

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.890+/-0.000 χ^2/NDF:89582804950.7/9

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 1.850+/-0.000 χ^2/NDF:80044804486.9/7

Left: 1.872+/-0.000 χ^2/NDF: 169917404004.3/17

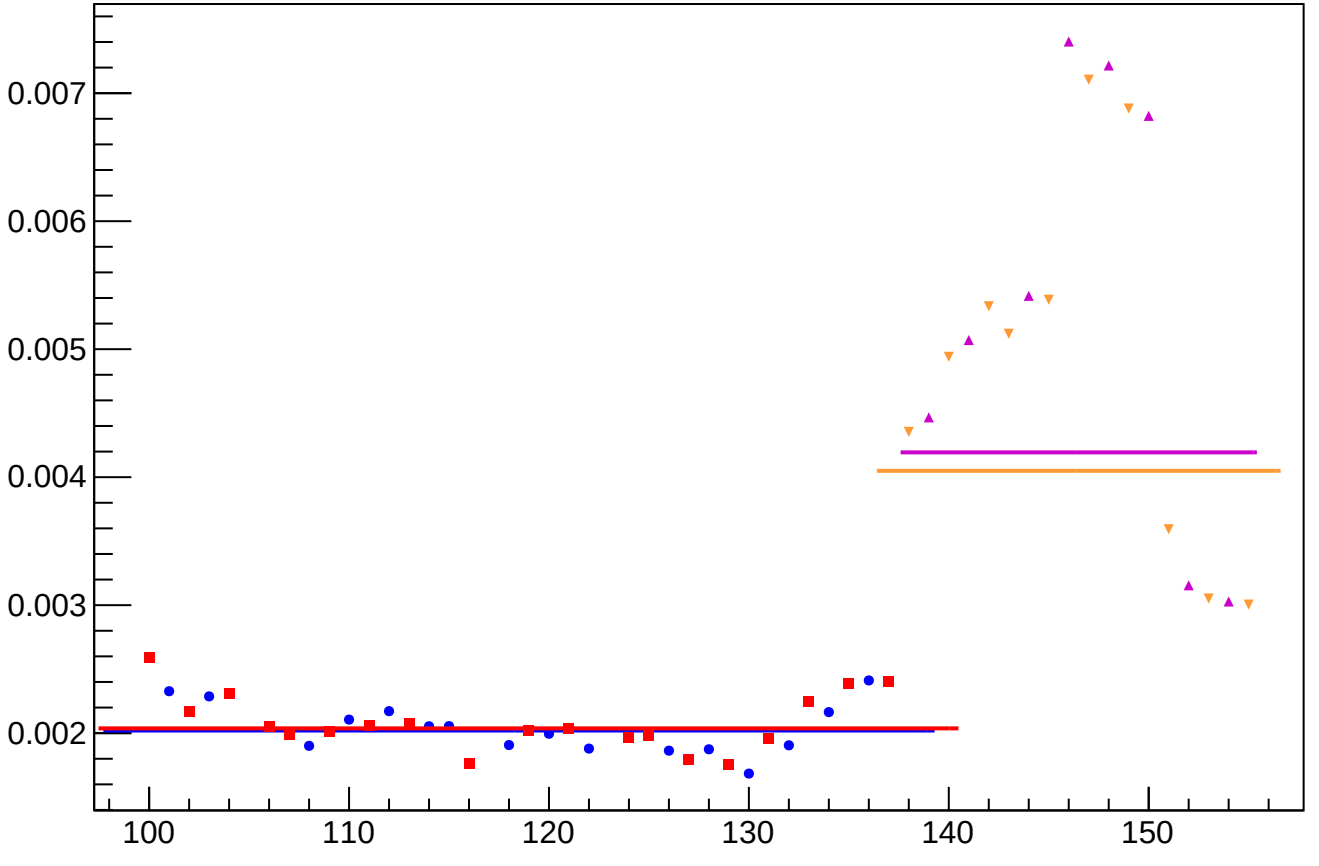
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.501+/-0.000 χ^2/NDF:316421281198.4/23

Out: 1.526+/-0.000 χ^2/NDF:337566816796.3/28

All: 1.514+/-0.000 χ^2/NDF: 654636332856.1

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:1122719.5/9

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.004+/-0.000 χ^2/NDF:1281898.0/7

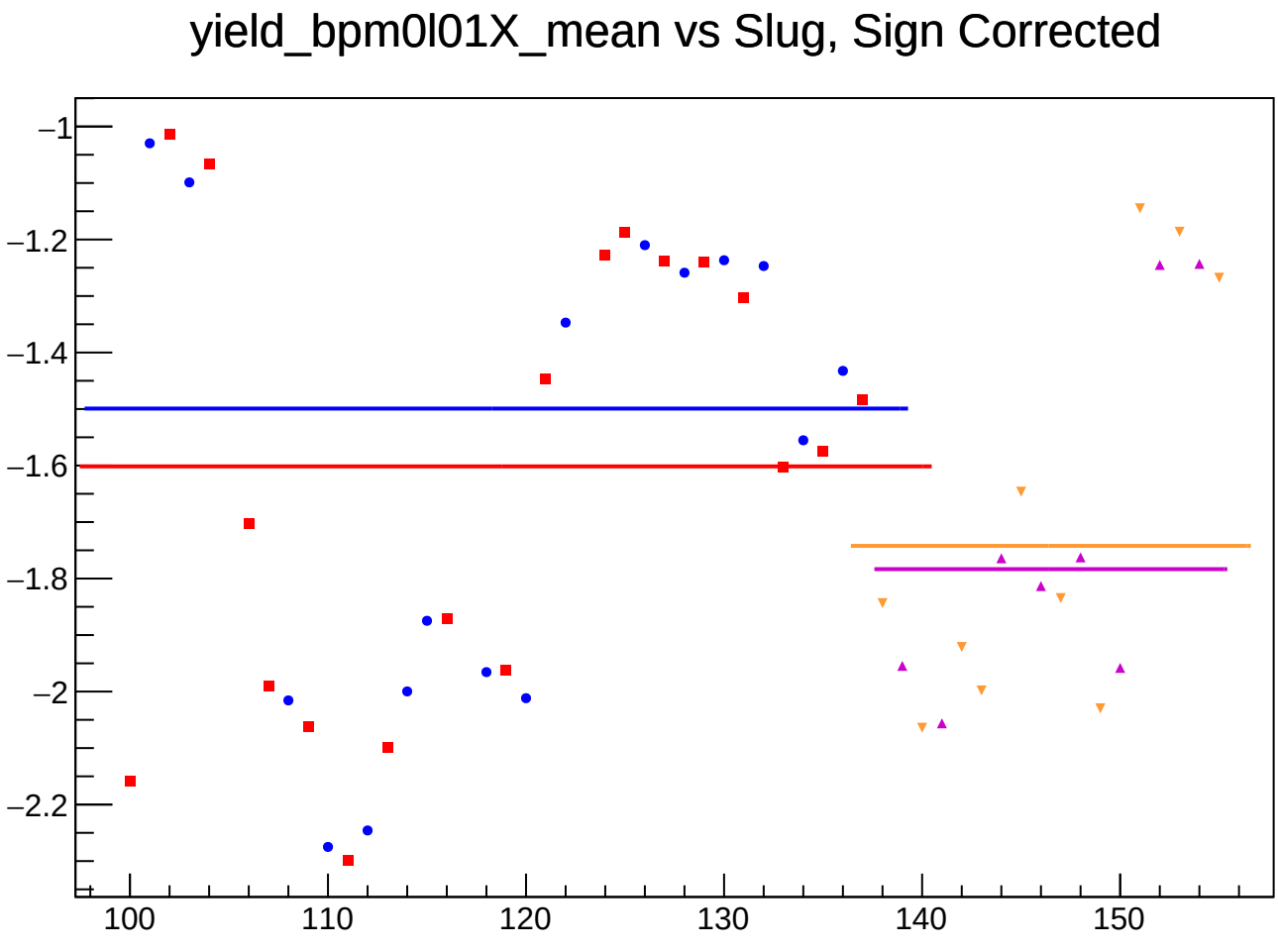
Left: 0.004+/-0.000 χ^2/NDF: 2412016.5/17

Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

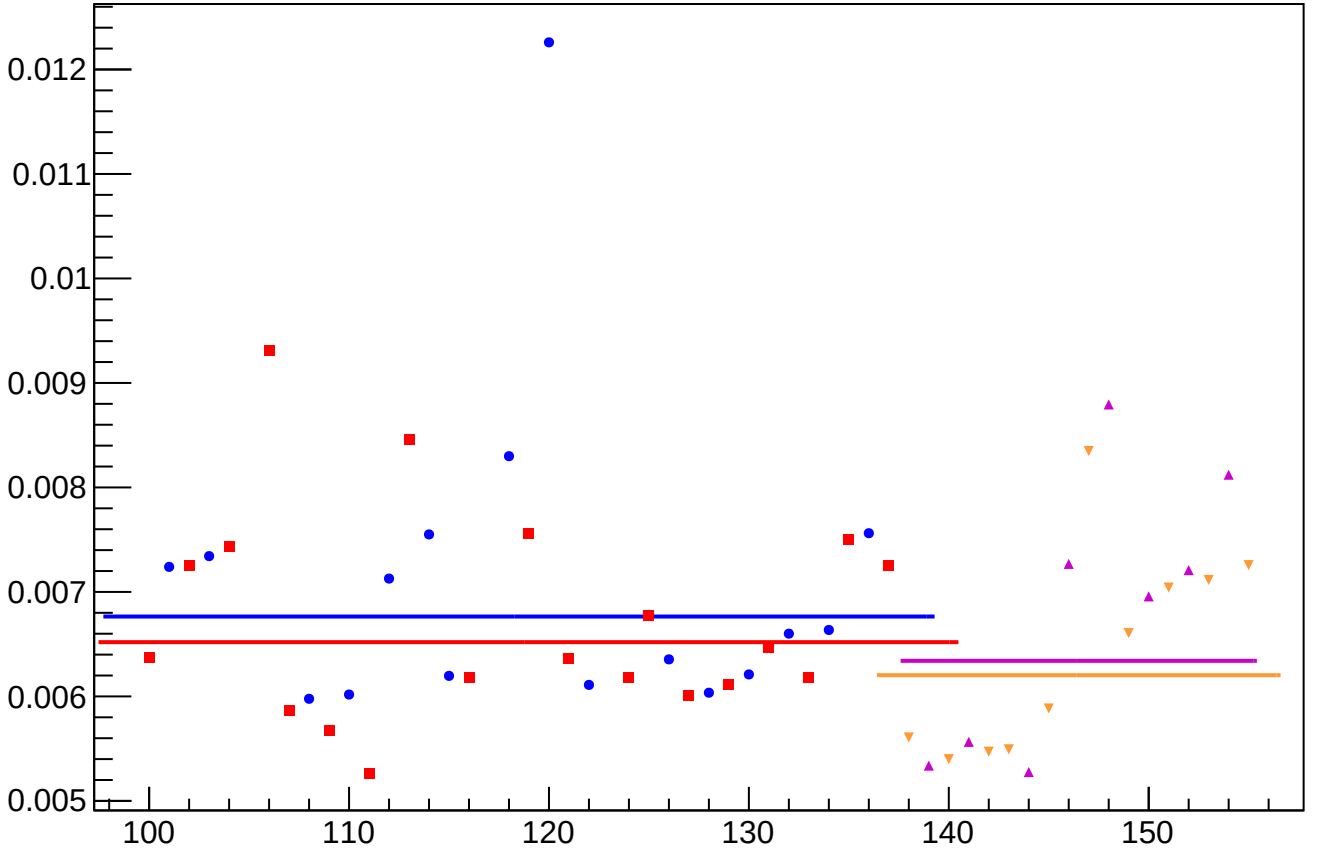
In: 0.002+/-0.000 χ^2/NDF:3978013.8/23

Out: 0.002+/-0.000 χ^2/NDF:3834335.4/28

All: 0.002+/-0.000 χ^2/NDF: 7817921.8/52


yield_bpm0l01X_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.742+/-0.000 χ²/NDF:20778685758.7/9
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.783+/-0.000 χ²/NDF:11643851221.2/7
Left: -1.761+/-0.000 χ²/NDF: 32567983970.5/17
Right: -1.554+/-0.000 χ²/NDF: 52047267484.5/34
In: -1.649+/-0.000 χ²/NDF:40596857681.8/23
Out: -1.677+/-0.000 χ²/NDF:50832599302.8/28
All: -1.664+/-0.000 χ²/NDF: 91560942631.2/

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:284416.6/9

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:418806.3/7

Left: 0.006+/-0.000 χ^2/NDF: 706457.8/17

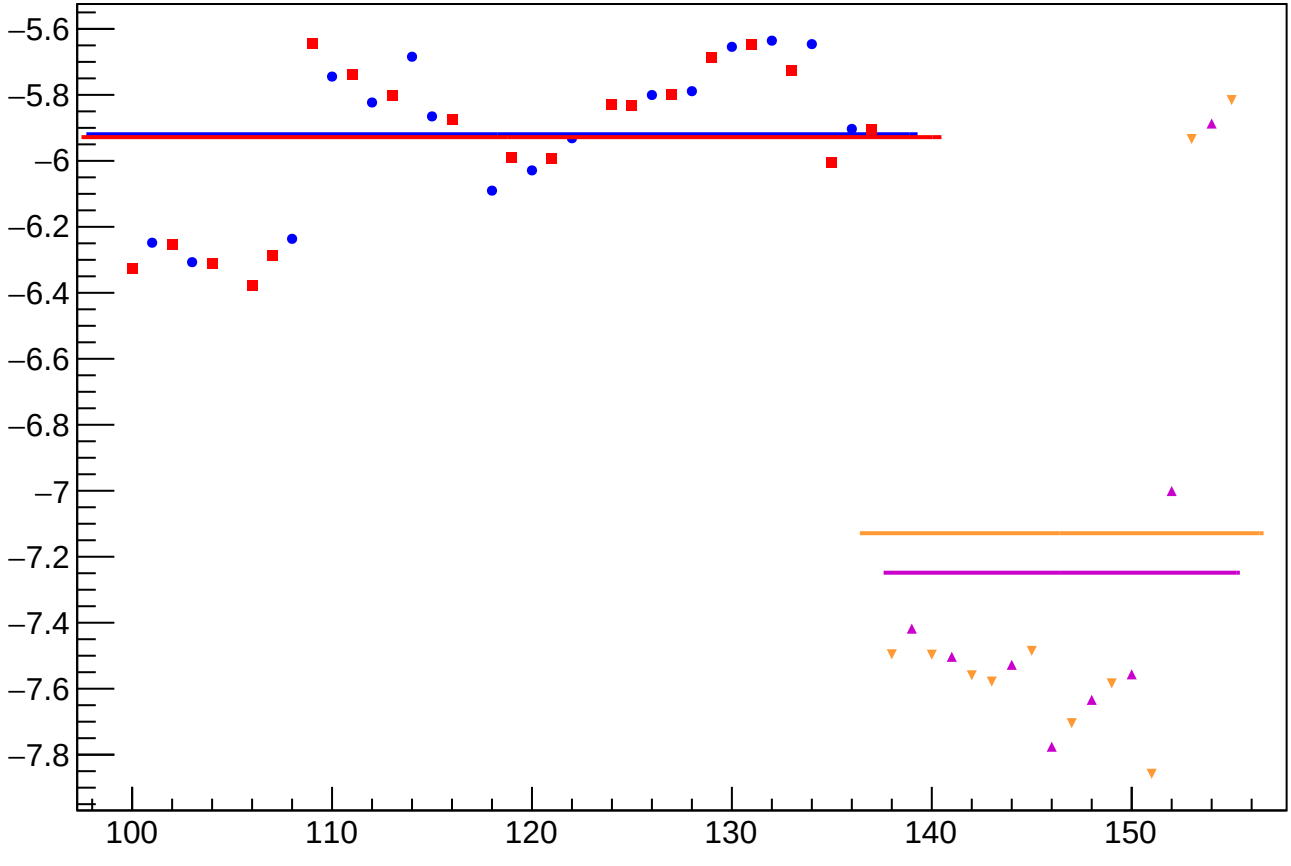
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:684186.6/23

Out: 0.006+/-0.000 χ^2/NDF:547282.9/28

All: 0.006+/-0.000 χ^2/NDF: 1243408.4/52

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.129+/-0.000 χ^2/NDF:41185713942.1/9

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -7.248+/-0.000 χ^2/NDF:18754483746.9/7

Left: -7.183+/-0.000 χ^2/NDF: 60378779264.6/17

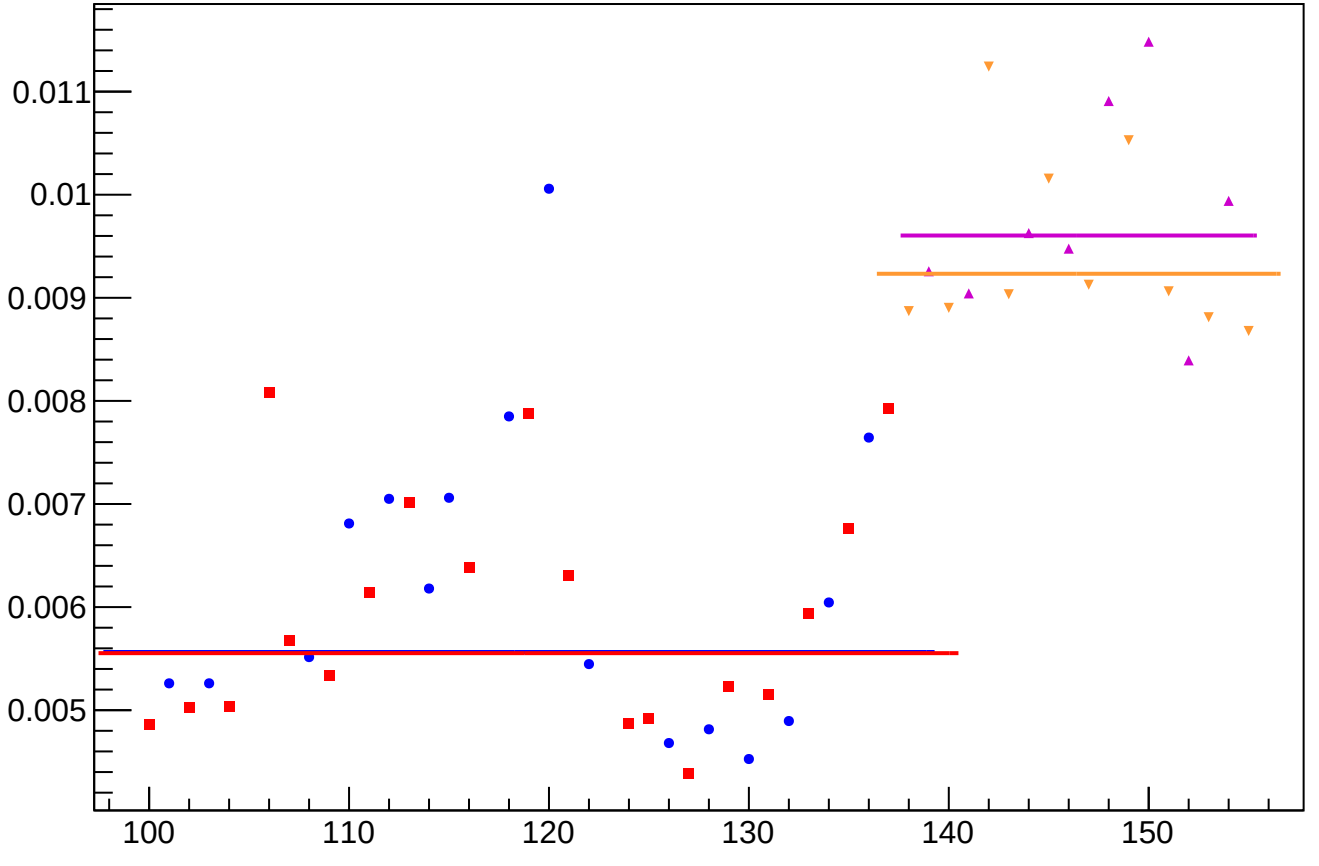
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.213+/-0.000 χ^2/NDF:107743736071.8/23

Out: -6.219+/-0.000 χ^2/NDF:127364652714.0/28

All: -6.216+/-0.000 χ^2/NDF: 235113406248.4

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:61475.2/9

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:91417.0/7

Left: 0.009+/-0.000 χ^2/NDF: 161319.5/17

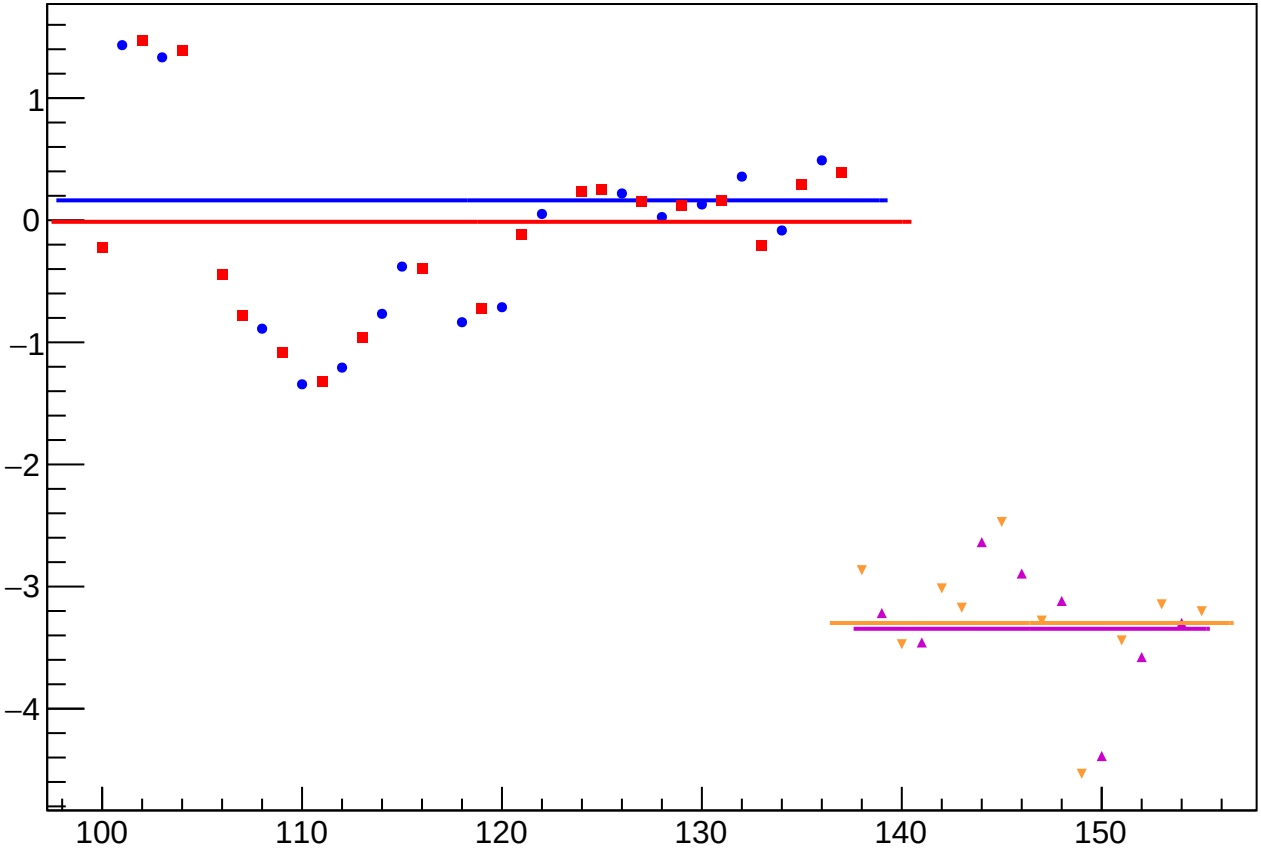
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.006+/-0.000 χ^2/NDF:2014533.9/23

Out: 0.006+/-0.000 χ^2/NDF:1807833.9/28

All: 0.006+/-0.000 χ^2/NDF: 3822403.4/52

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.298+/-0.000 χ^2/NDF:6311007321.3/9

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.346+/-0.000 χ^2/NDF:4682672128.2/7

Left: -3.320+/-0.000 χ^2/NDF: 11016797132.1/17

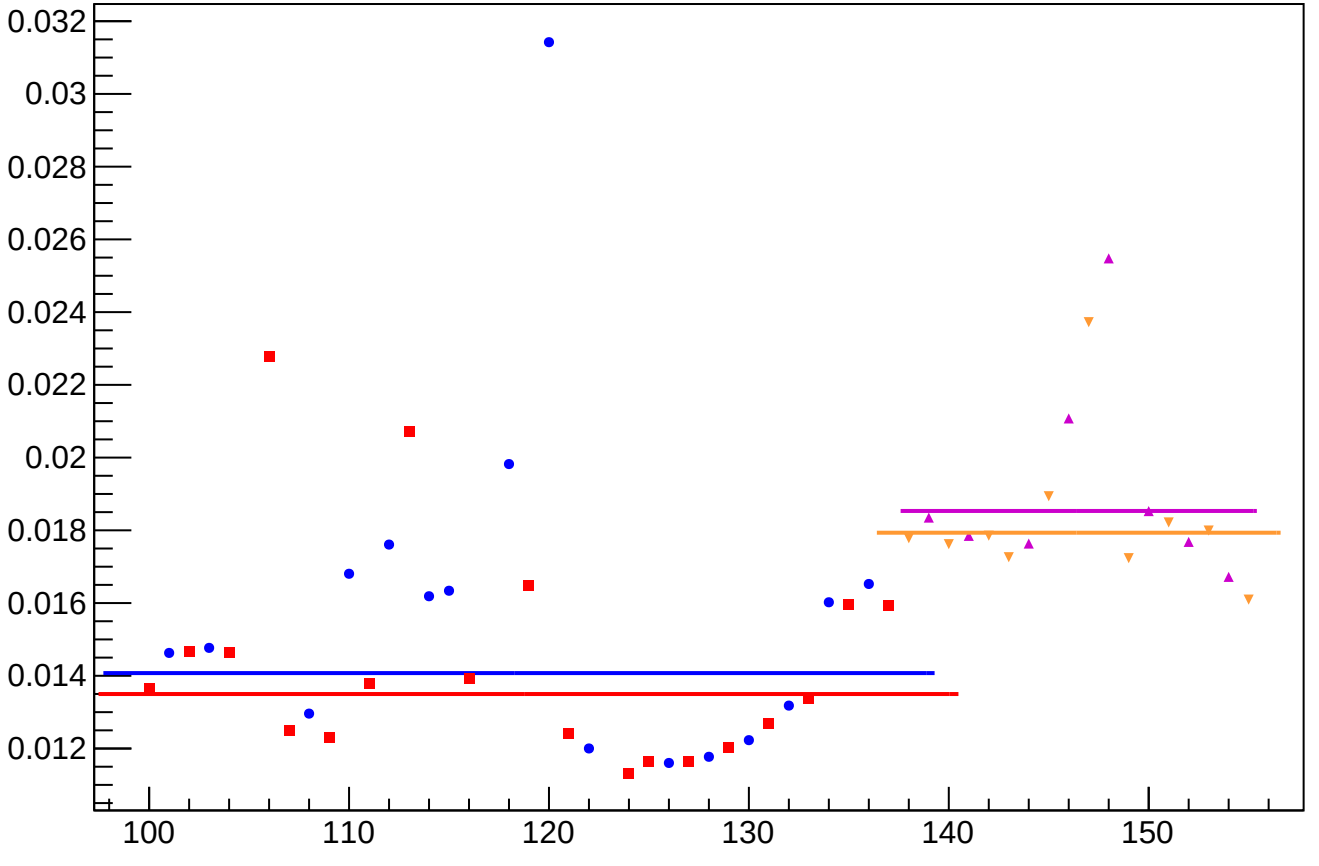
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.143+/-0.000 χ^2/NDF:168499917248.3/23

Out: -1.261+/-0.000 χ^2/NDF:181274946353.6/28

All: -1.207+/-0.000 χ^2/NDF: 350156066449.3

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:120516.6/9

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.019+/-0.000 χ^2/NDF:165884.7/7

Left: 0.018+/-0.000 χ^2/NDF: 293788.5/17

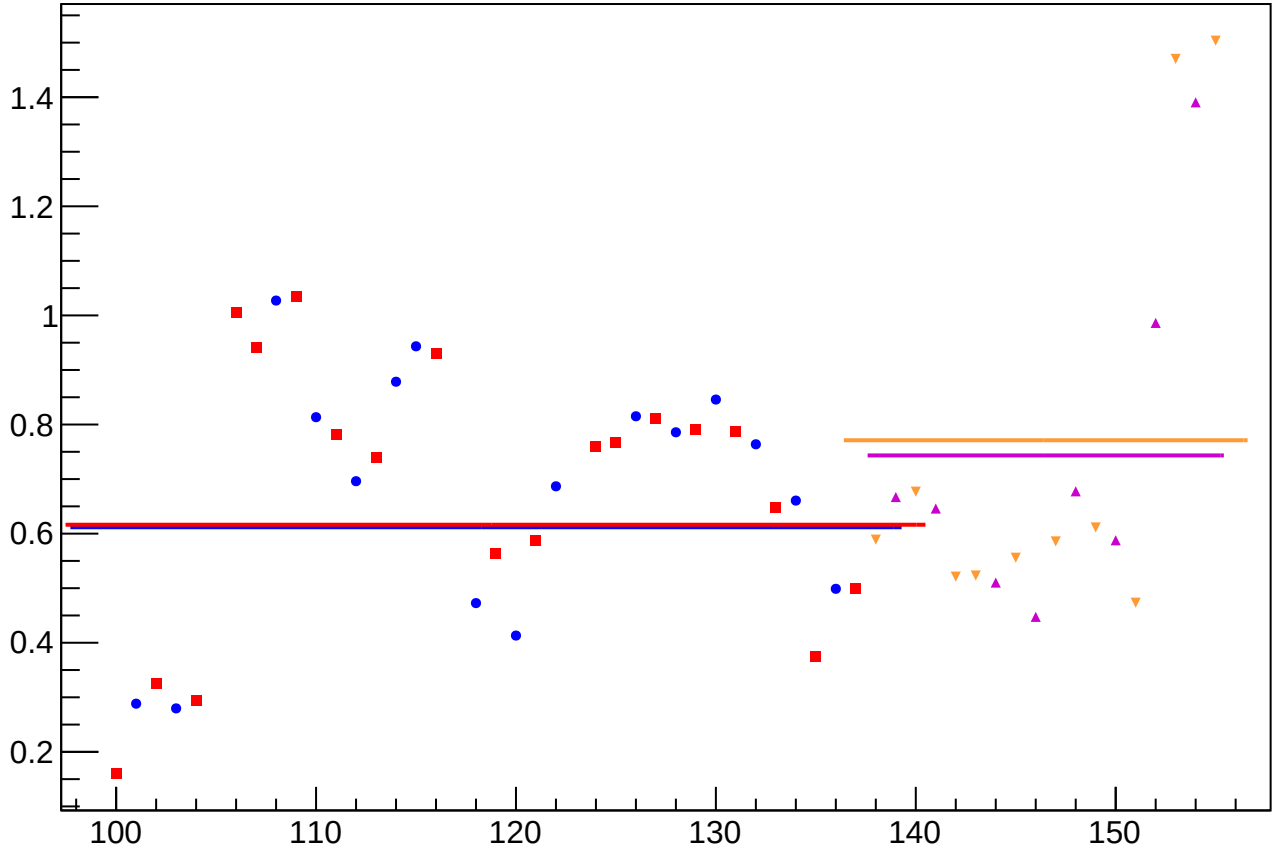
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1102429.6/23

Out: 0.015+/-0.000 χ^2/NDF:991272.3/28

All: 0.015+/-0.000 χ^2/NDF: 2110335.0/52

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.771+/-0.000 χ^2/NDF:13256543263.3/9

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 0.743+/-0.000 χ^2/NDF:6212181522.6/7

Left: 0.758+/-0.000 χ^2/NDF: 19502667437.4/17

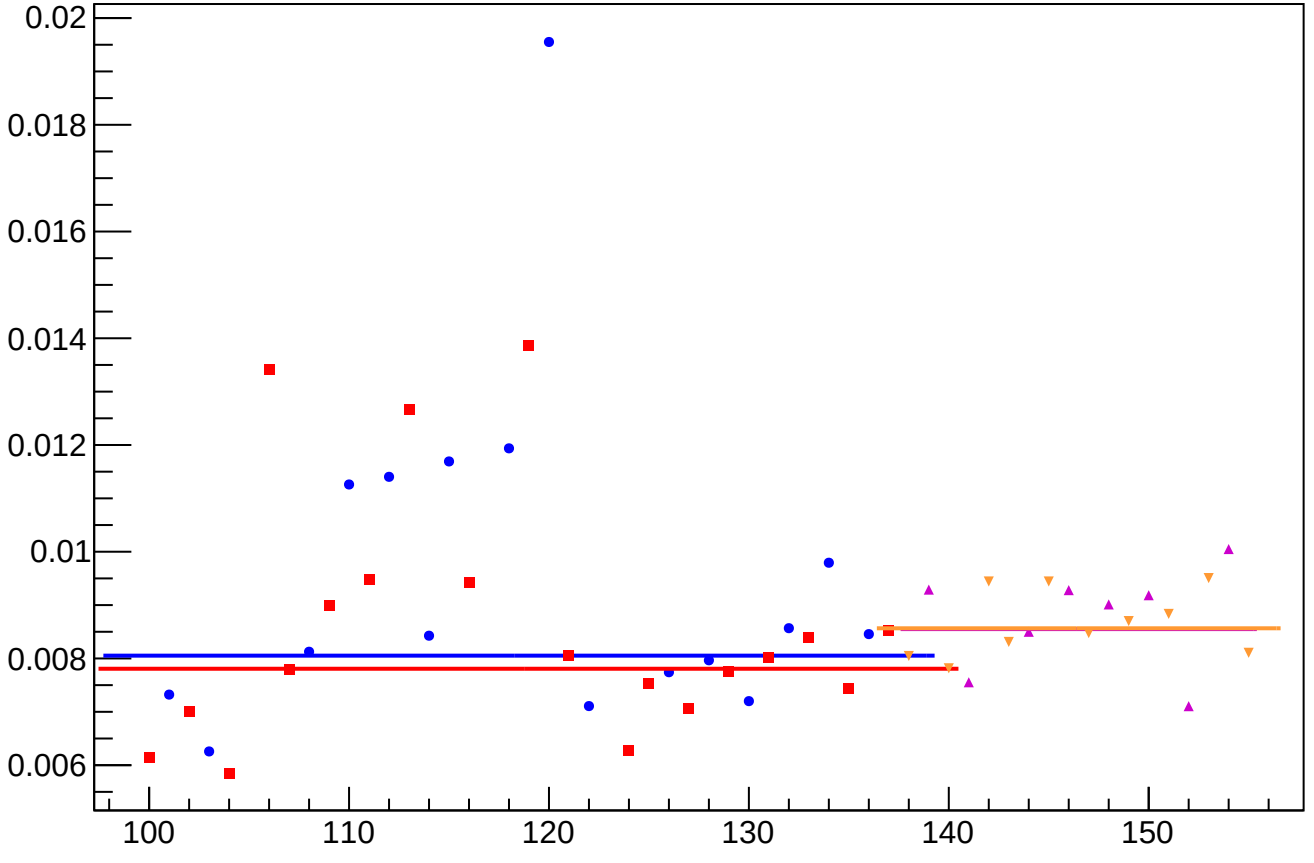
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.674+/-0.000 χ^2/NDF:12618868169.6/23

Out: 0.689+/-0.000 χ^2/NDF:20853526918.2/28

All: 0.681+/-0.000 χ^2/NDF: 33493691169.9/5

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:60128.6/9

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.009+/-0.000 χ^2/NDF:157440.7/7

Left: 0.009+/-0.000 χ^2/NDF: 217589.1/17

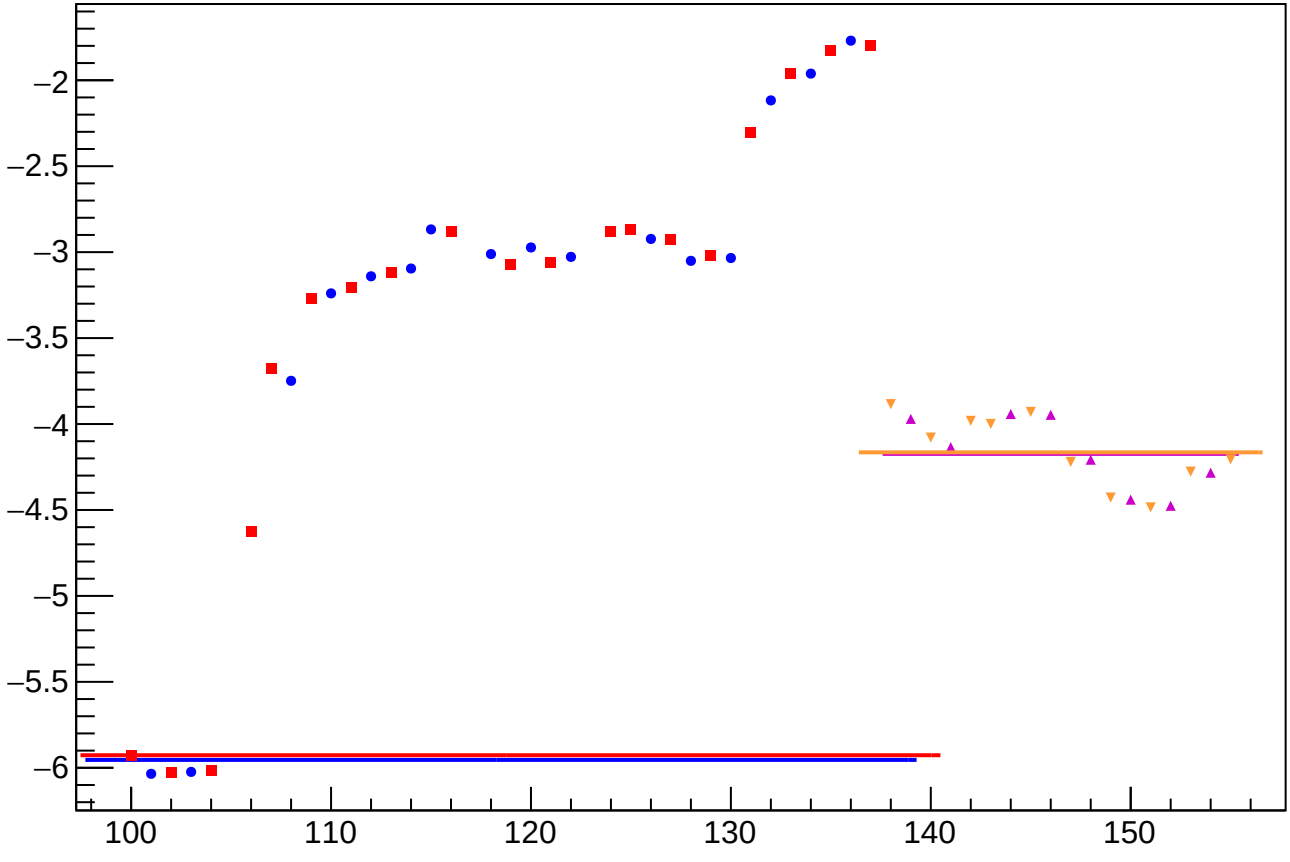
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:777708.6/23

Out: 0.008+/-0.000 χ^2/NDF:703740.4/28

All: 0.008+/-0.000 χ^2/NDF: 1484384.3/52

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.165+/-0.000 χ^2/NDF:50364219.1/9

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.174+/-0.000 χ^2/NDF:35857421.1/7

Left: -4.170+/-0.000 χ^2/NDF: 86265998.0/17

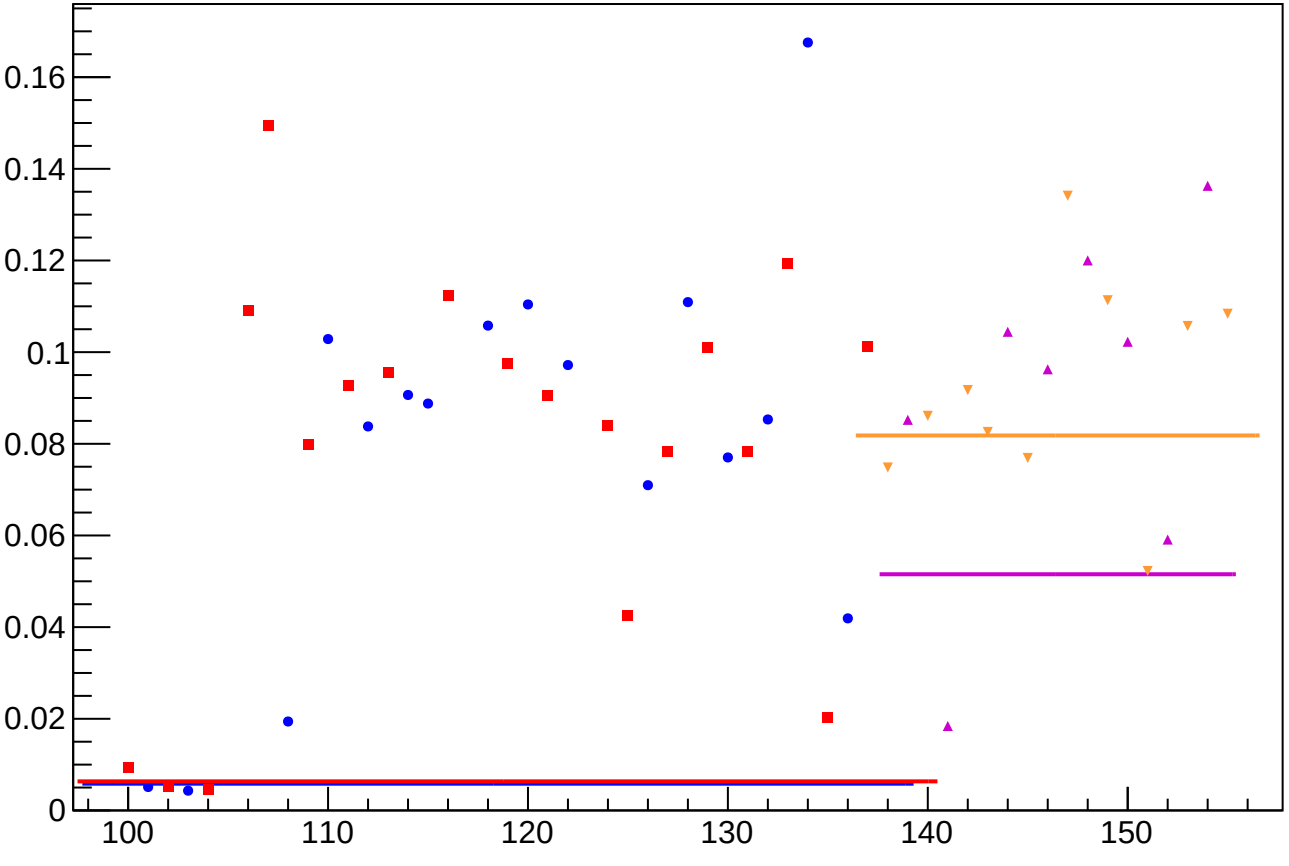
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.911+/-0.000 χ^2/NDF:17089033584.9/23

Out: -5.888+/-0.000 χ^2/NDF:16890818432.7/28

All: -5.901+/-0.000 χ^2/NDF: 33992688921.5/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.082+/-0.000 χ^2/NDF:907650.2/9

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.052+/-0.000 χ^2/NDF:3881331.1/7

Left: 0.065+/-0.000 χ^2/NDF: 5795251.5/17

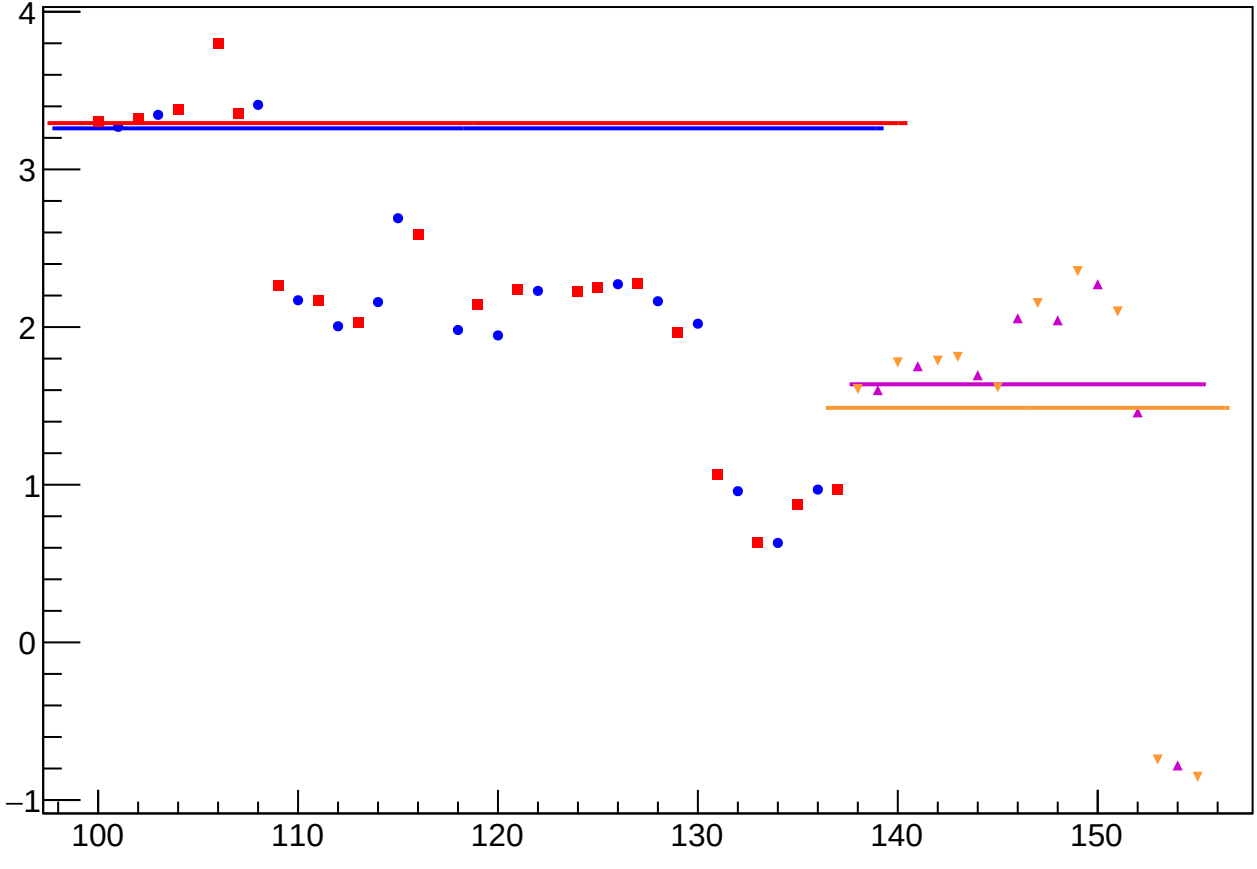
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.007+/-0.000 χ^2/NDF:17790618.9/23

Out: 0.008+/-0.000 χ^2/NDF:20364978.2/28

All: 0.007+/-0.000 χ^2/NDF: 38210185.3/52

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.488+/-0.000 χ^2/NDF:791864962.2/9

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 1.637+/-0.000 χ^2/NDF:282074278.2/7

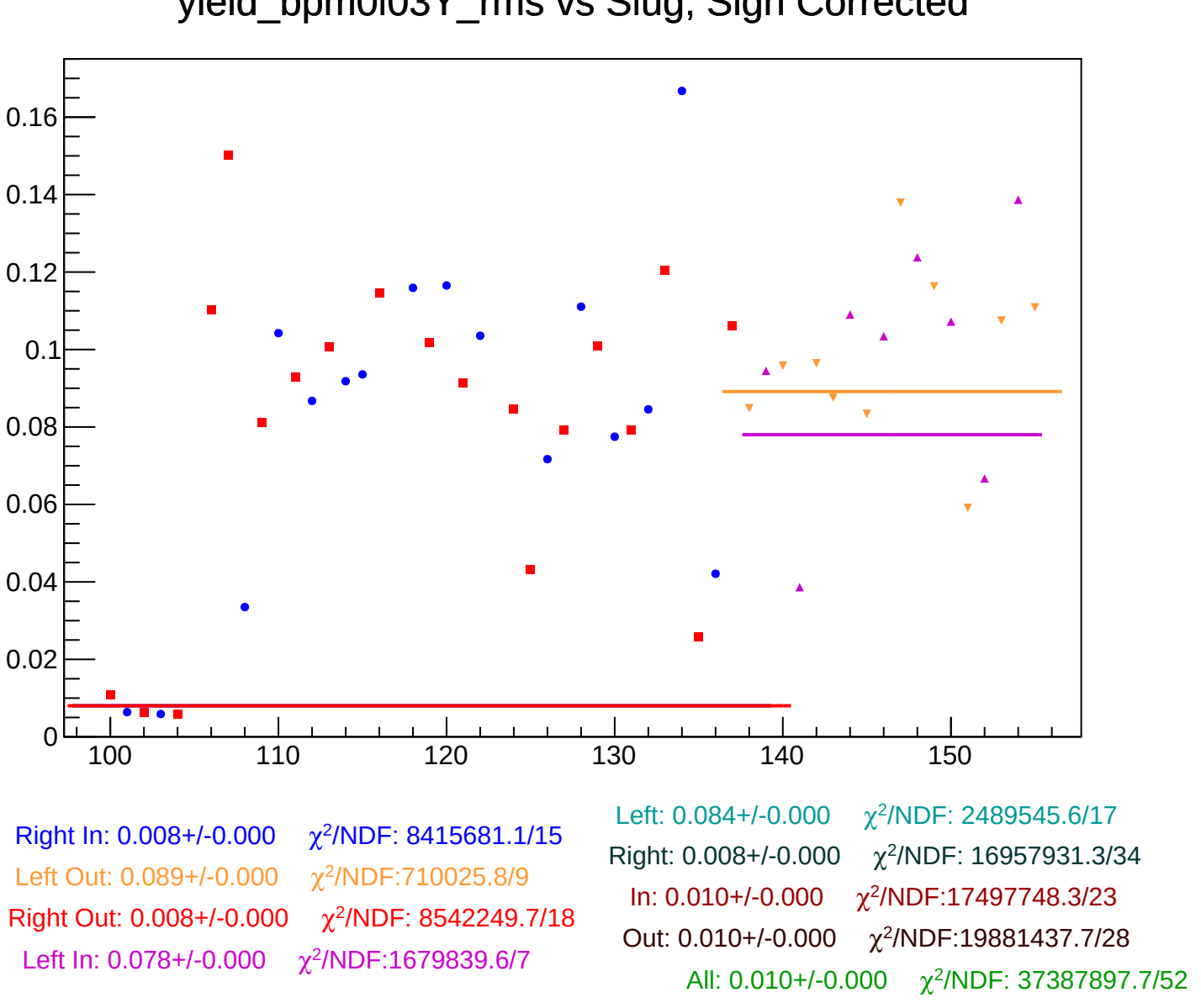
Left: 1.560+/-0.000 χ^2/NDF: 1082885664.0/17

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

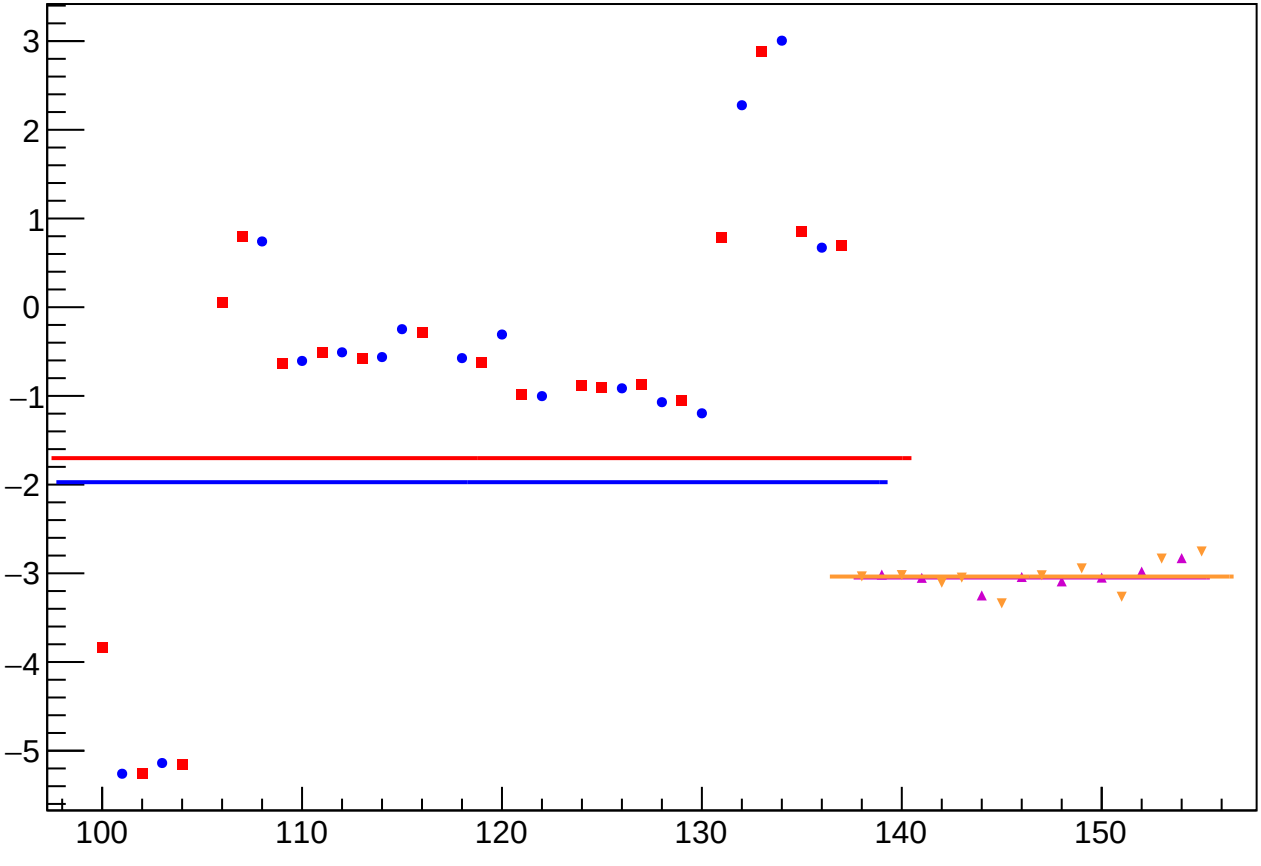
In: 3.221+/-0.000 χ^2/NDF:5283653898.2/23

Out: 3.244+/-0.000 χ^2/NDF:6668993249.8/28

All: 3.232+/-0.000 χ^2/NDF: 11960733897.2/5


yield_bpm0l03Y_rms vs Slug, Sign Corrected
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.008+/-0.000 χ²/NDF: 8415681.1/15
Left Out: 0.089+/-0.000 χ²/NDF:710025.8/9
Right Out: 0.008+/-0.000 χ²/NDF: 8542249.7/18
Left In: 0.078+/-0.000 χ²/NDF:1679839.6/7
Left: 0.084+/-0.000 χ²/NDF: 2489545.6/17
Right: 0.008+/-0.000 χ²/NDF: 16957931.3/34
In: 0.010+/-0.000 χ²/NDF:17497748.3/23
Out: 0.010+/-0.000 χ²/NDF:19881437.7/28
All: 0.010+/-0.000 χ²/NDF: 37387897.7/52

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.037+/-0.000 χ^2/NDF:3294778909.6/9

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -3.047+/-0.000 χ^2/NDF:1174552901.5/7

Left: -3.042+/-0.000 χ^2/NDF: 4475807789.6/17

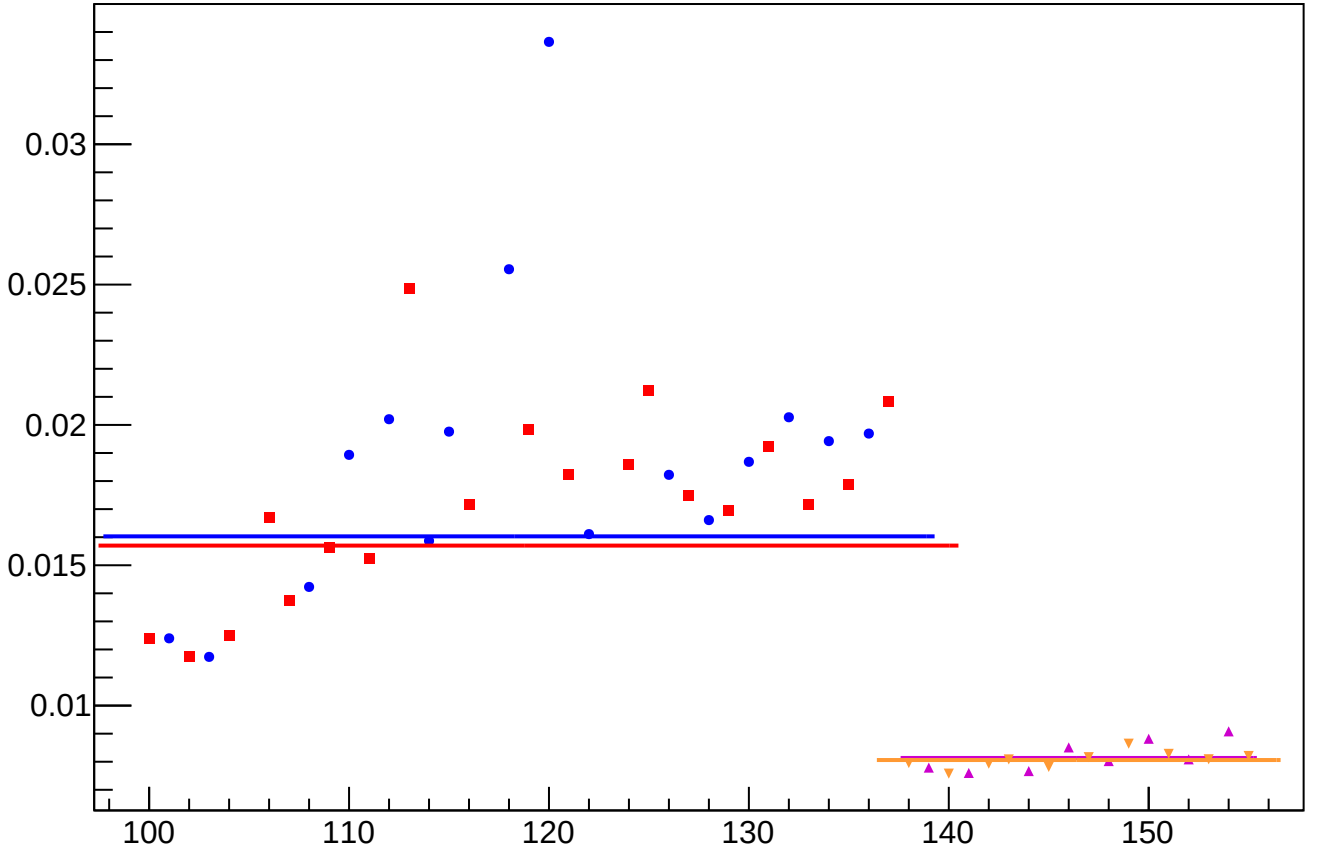
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.850+/-0.000 χ^2/NDF:184520038043.7/23

Out: -2.792+/-0.000 χ^2/NDF:209038192103.0/28

All: -2.819+/-0.000 χ^2/NDF: 393785408793.

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:17874.2/9

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:50180.0/7

Left: 0.008+/-0.000 χ^2/NDF: 68638.6/17

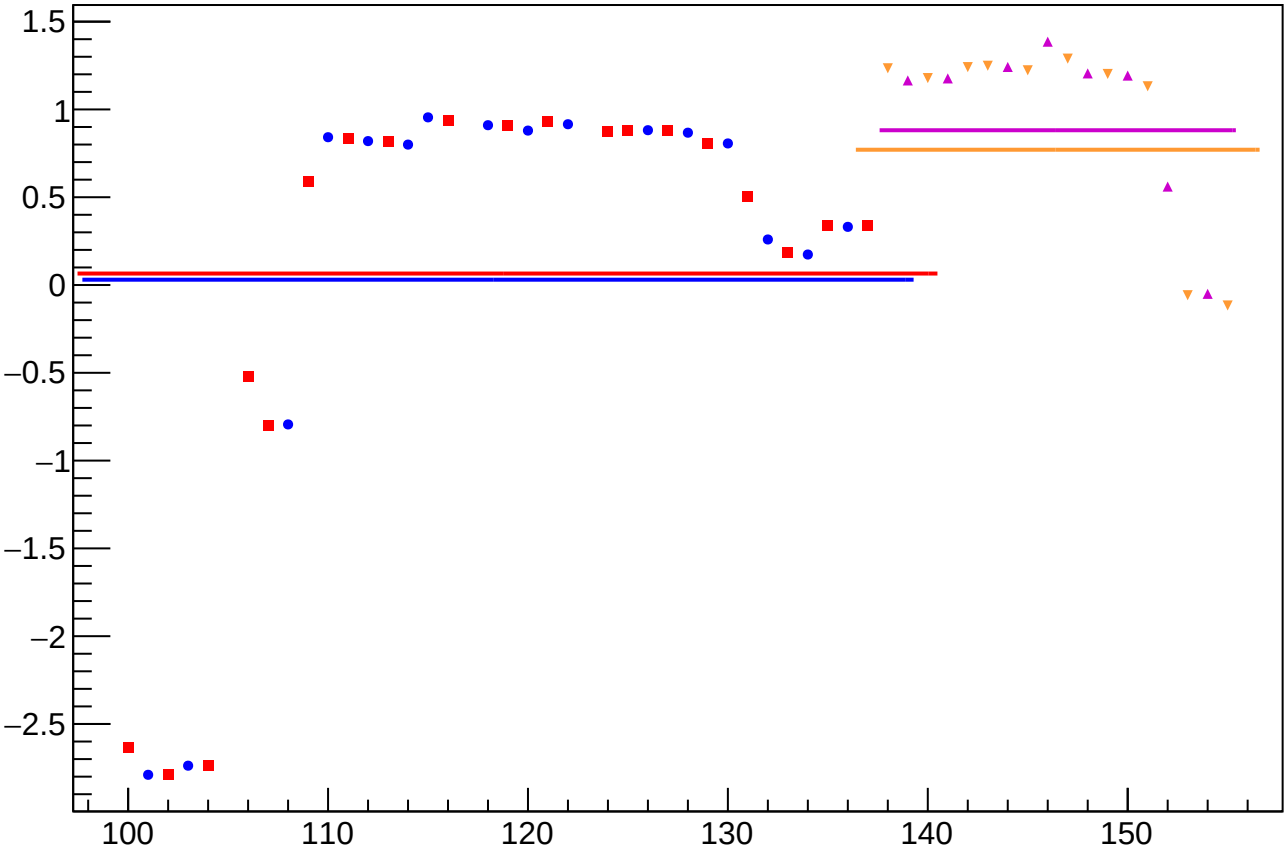
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.010+/-0.000 χ^2/NDF:3092395.7/23

Out: 0.009+/-0.000 χ^2/NDF:2985158.2/28

All: 0.010+/-0.000 χ^2/NDF: 6079452.9/52

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.771+/-0.000 χ^2/NDF:46785858126.9/9

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.881+/-0.000 χ^2/NDF:25166345225.9/7

Left: 0.821+/-0.000 χ^2/NDF: 72630395568.9/17

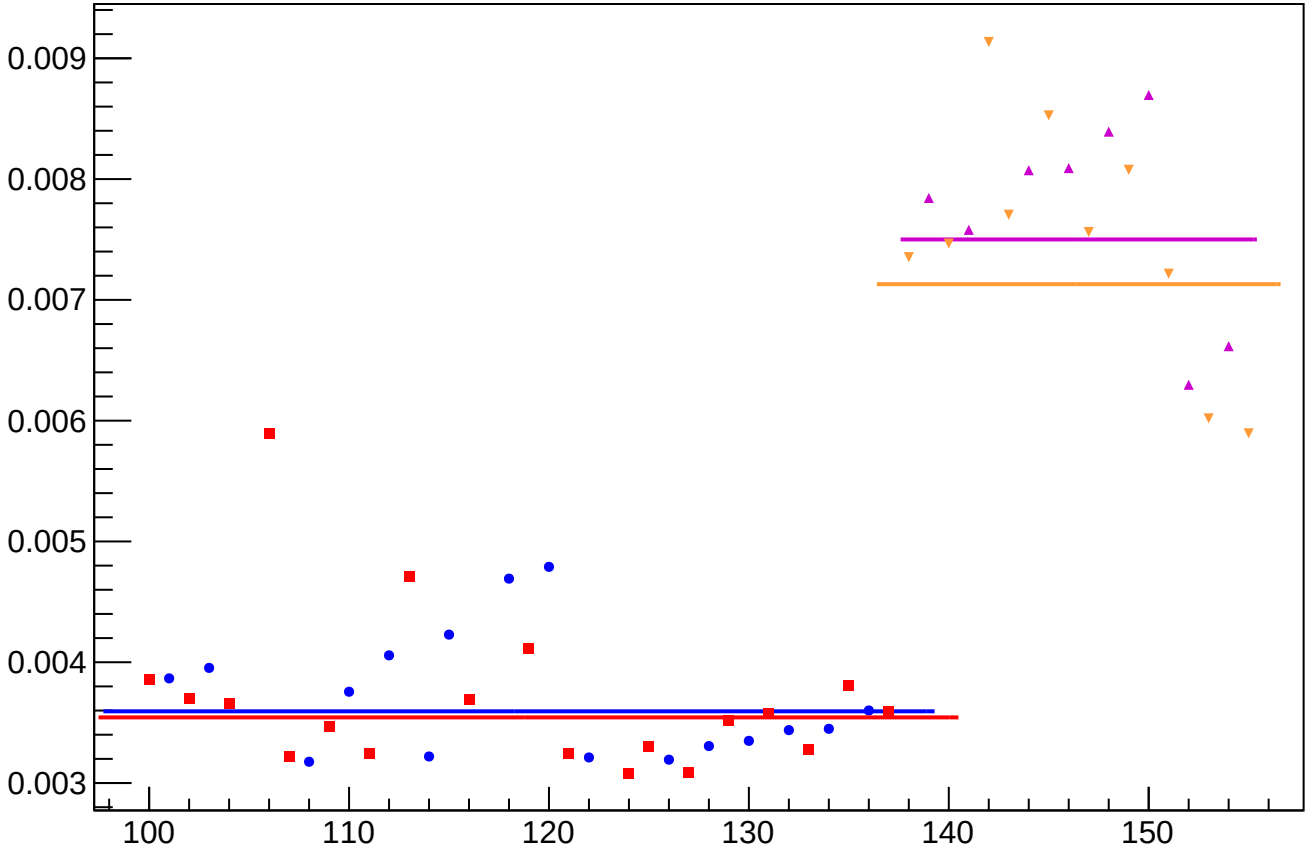
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.168+/-0.000 χ^2/NDF:937789437187.5/23

Out: 0.192+/-0.000 χ^2/NDF:1032100726919.7/28

All: 0.180+/-0.000 χ^2/NDF: 1970076525234.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:217386.2/9

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:141483.3/7

Left: 0.007+/-0.000 χ^2/NDF: 373975.0/17

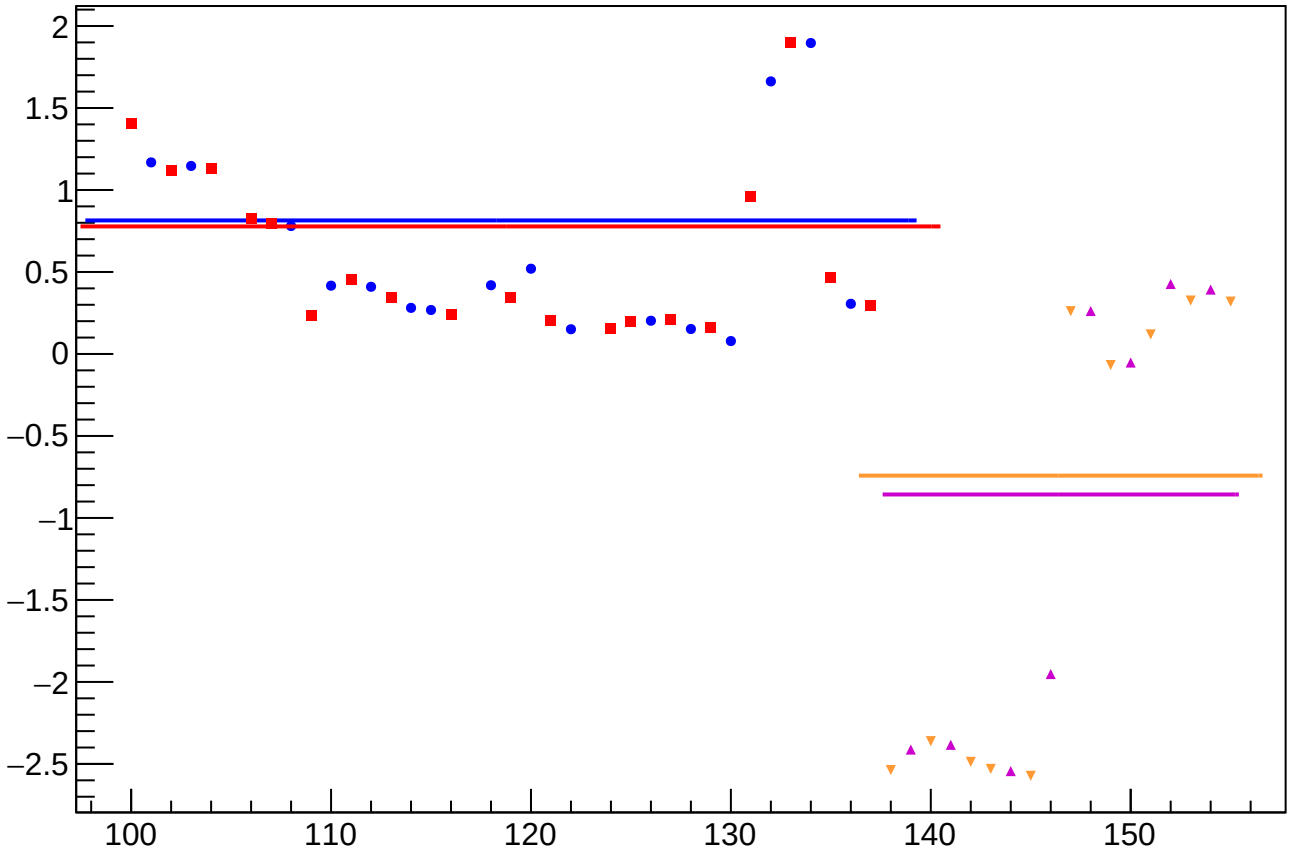
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:2889236.6/23

Out: 0.004+/-0.000 χ^2/NDF:3020528.5/28

All: 0.004+/-0.000 χ^2/NDF: 5910737.5/52

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.742+/-0.000 χ^2/NDF:277004220050.4/9

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.857+/-0.000 χ^2/NDF:223304634835.8/7

Left: -0.793+/-0.000 χ^2/NDF: 501284419734.8/17

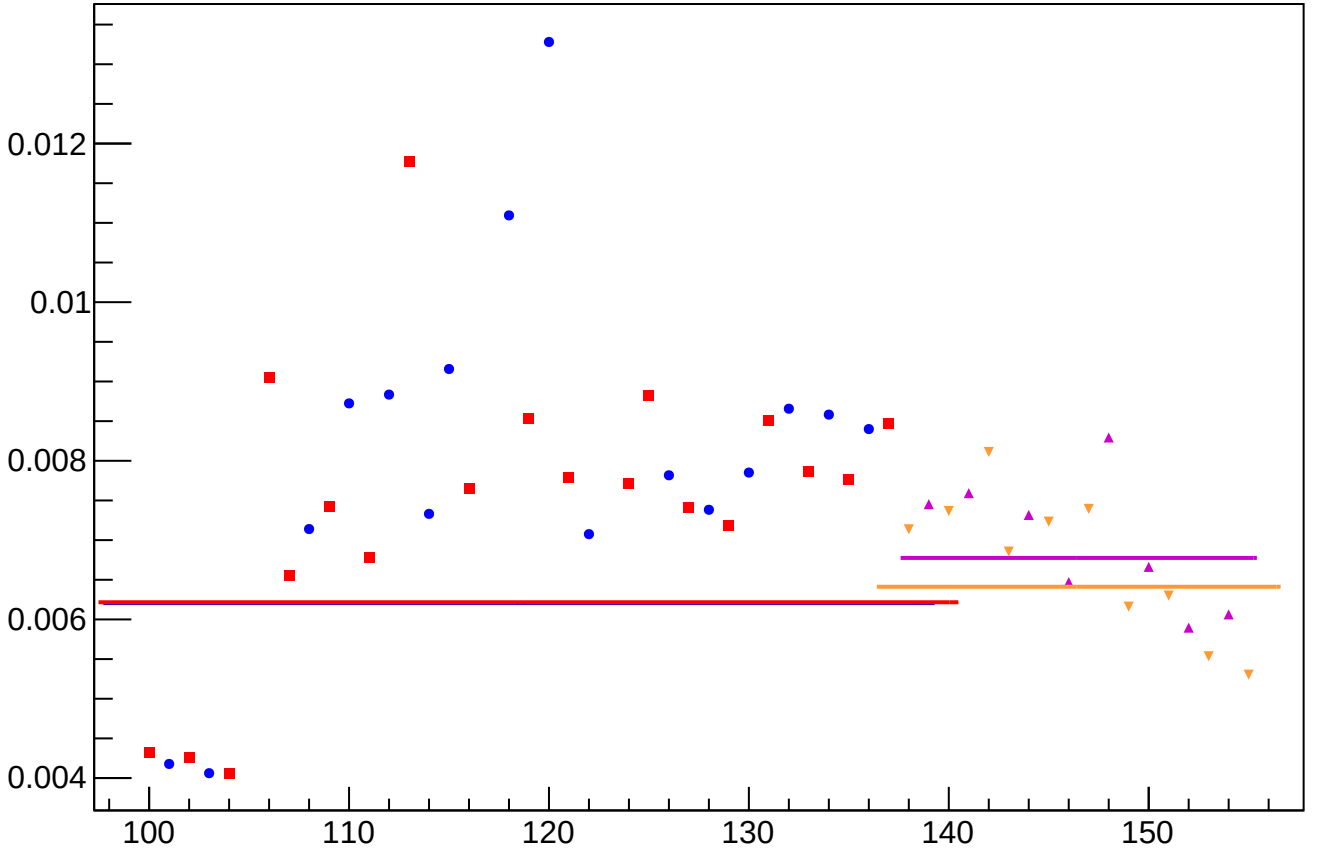
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.011+/-0.000 χ^2/NDF:452486462670.6/23

Out: -0.004+/-0.000 χ^2/NDF:496285425396.2/28

All: 0.003+/-0.000 χ^2/NDF: 948804246833.5

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:229574.5/9

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:150865.1/7

Left: 0.007+/-0.000 χ^2/NDF: 399931.3/17

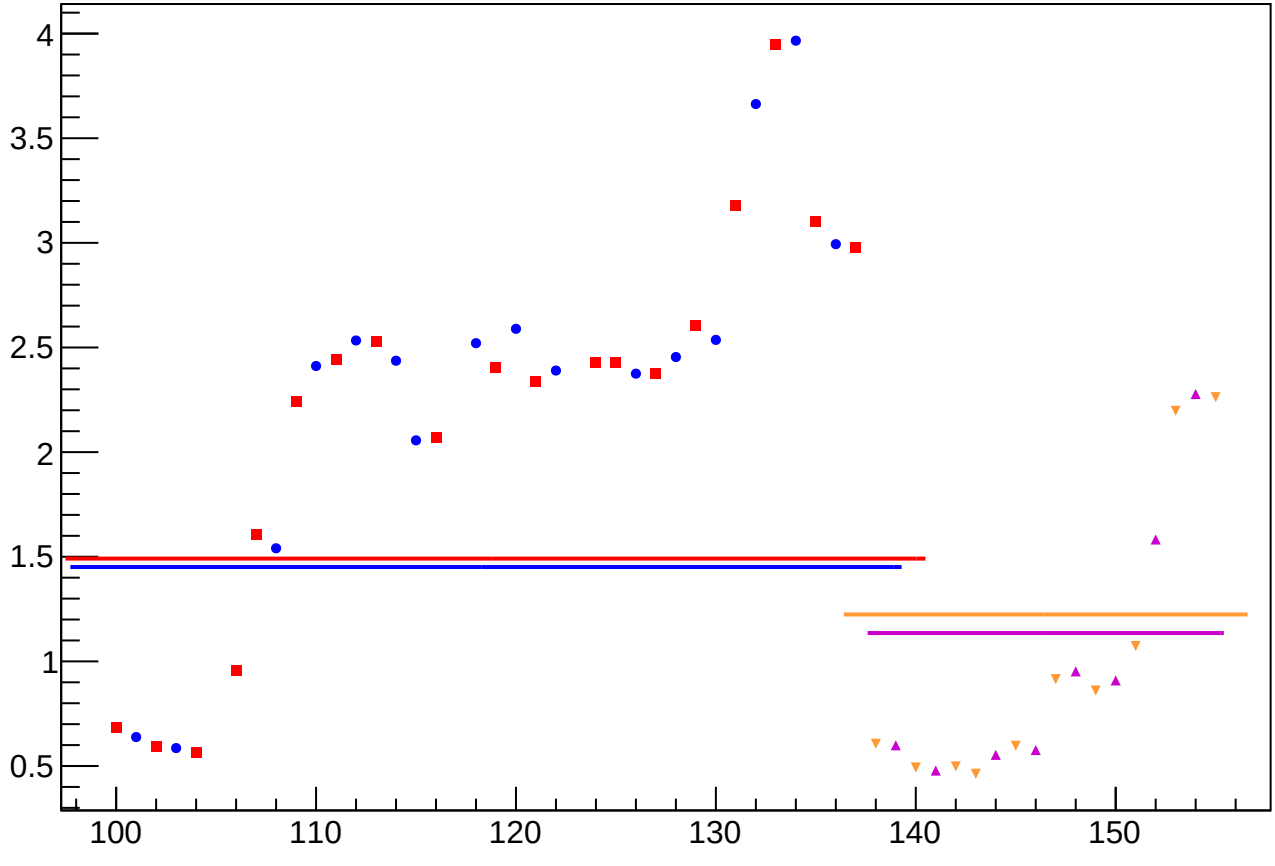
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1619757.8/23

Out: 0.006+/-0.000 χ^2/NDF:1396818.4/28

All: 0.006+/-0.000 χ^2/NDF: 3024463.6/52

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.224+/-0.000 χ^2/NDF:83472161122.9/9

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.135+/-0.000 χ^2/NDF:54909617480.4/7

Left: 1.184+/-0.000 χ^2/NDF: 138942984456.3/17

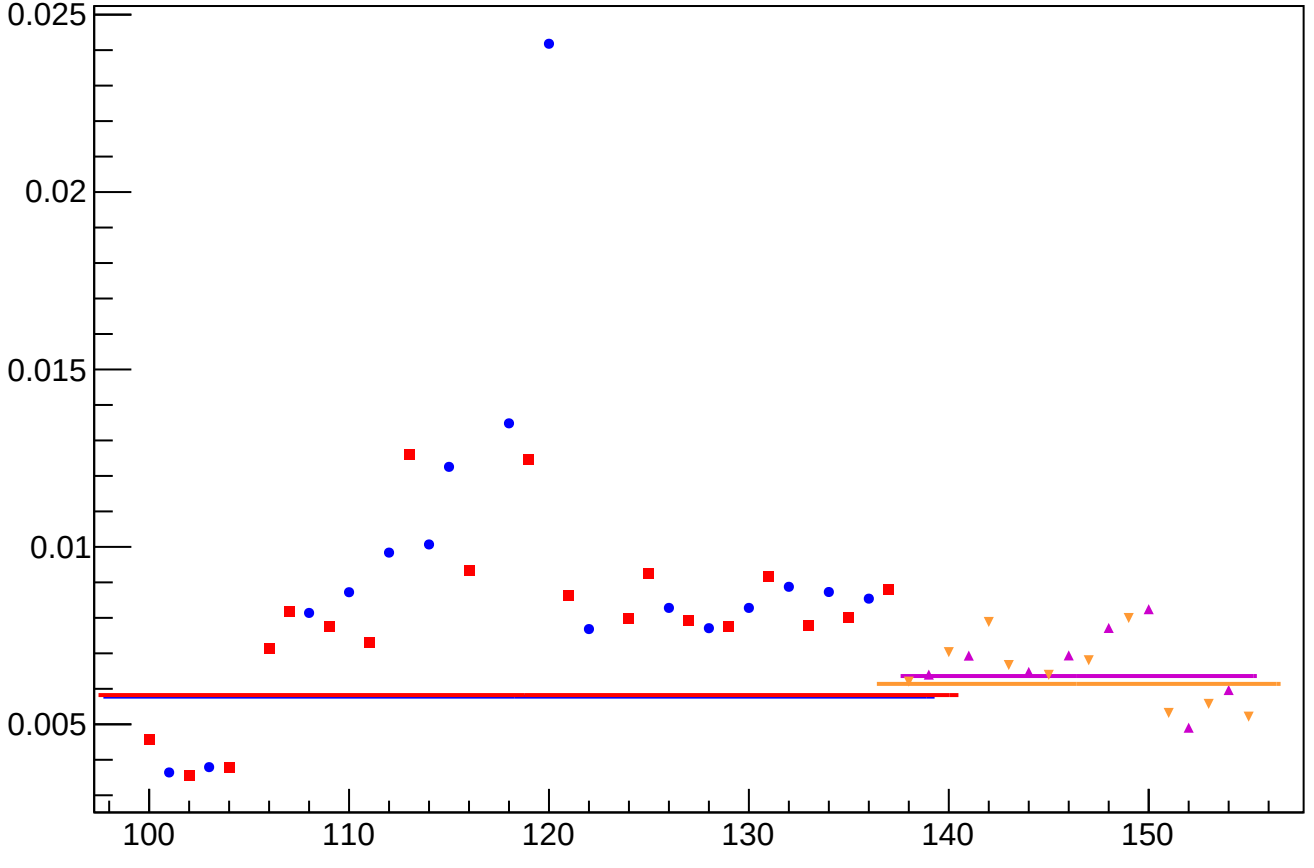
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.304+/-0.000 χ^2/NDF:231488309611.2/23

Out: 1.359+/-0.000 χ^2/NDF:276099498348.9/28

All: 1.333+/-0.000 χ^2/NDF: 508047127427.0

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:231484.9/9

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:263503.1/7

Left: 0.006+/-0.000 χ^2/NDF: 501976.0/17

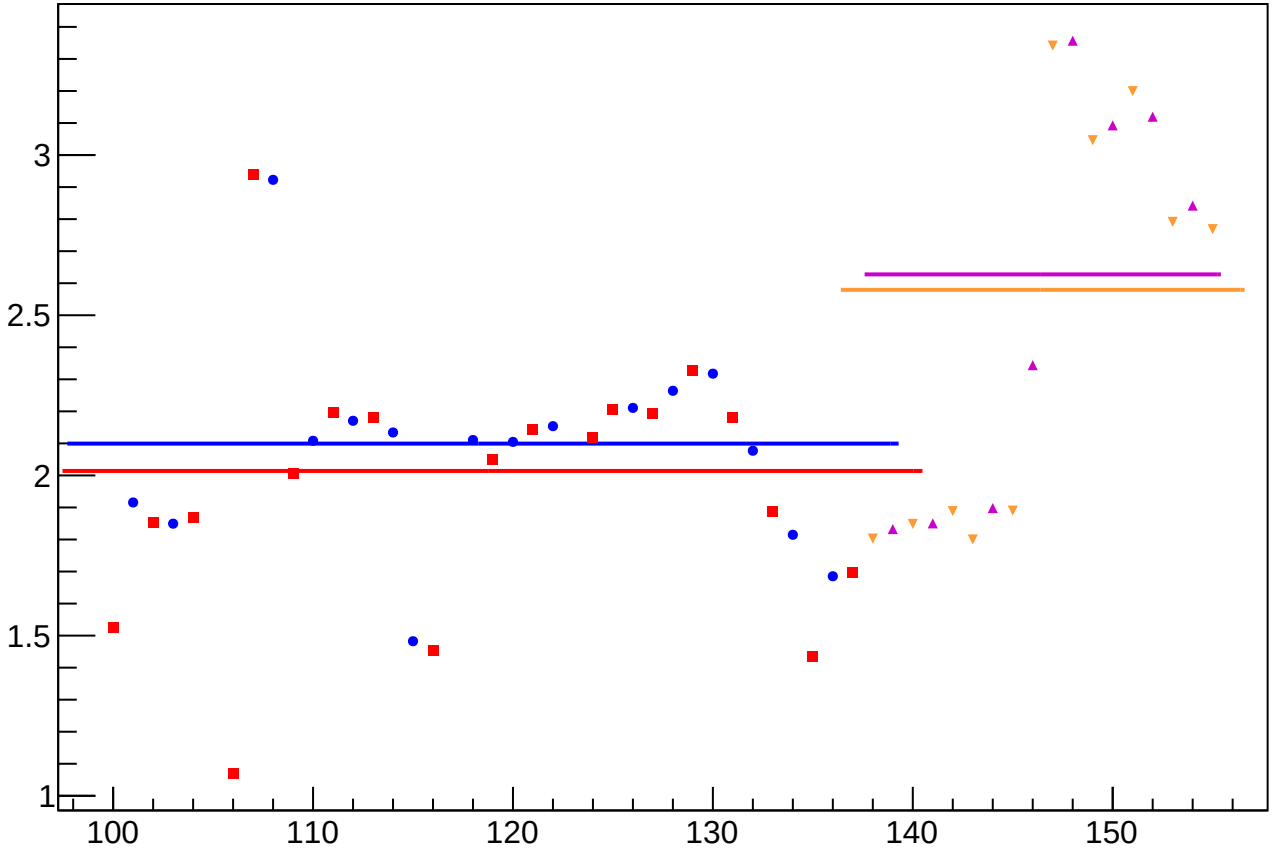
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2524346.9/23

Out: 0.006+/-0.000 χ^2/NDF:2203074.0/28

All: 0.006+/-0.000 χ^2/NDF: 4728937.1/52

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.579+/-0.000 χ^2/NDF:39849678743.9/9

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.628+/-0.000 χ^2/NDF:32958535789.7/7

Left: 2.602+/-0.000 χ^2/NDF: 72929399159.6/17

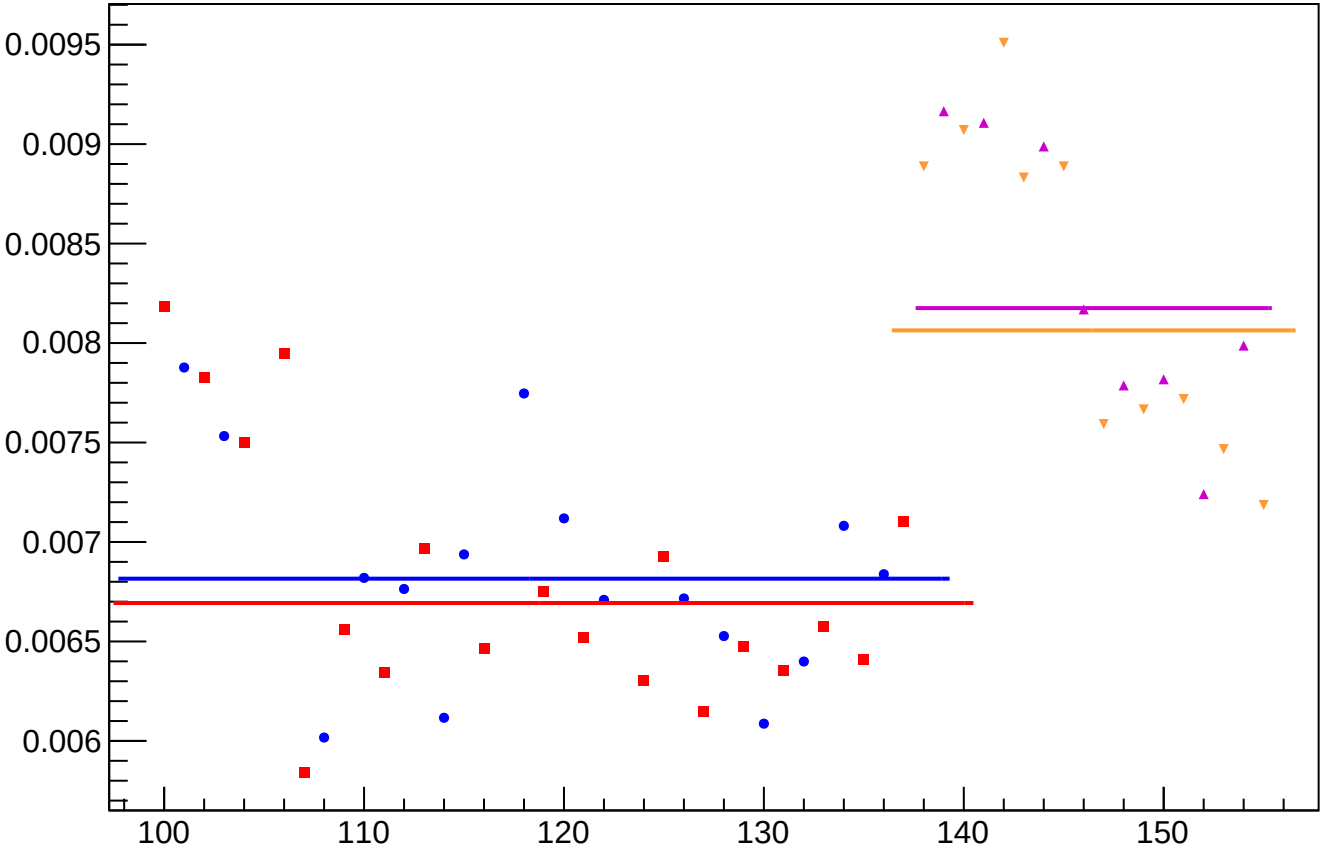
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.311+/-0.000 χ^2/NDF:63319964291.5/23

Out: 2.247+/-0.000 χ^2/NDF:80446772076.3/28

All: 2.277+/-0.000 χ^2/NDF: 144297447806.6

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:121004.6/9

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:85368.2/7

Left: 0.008+/-0.000 χ^2/NDF: 207680.8/17

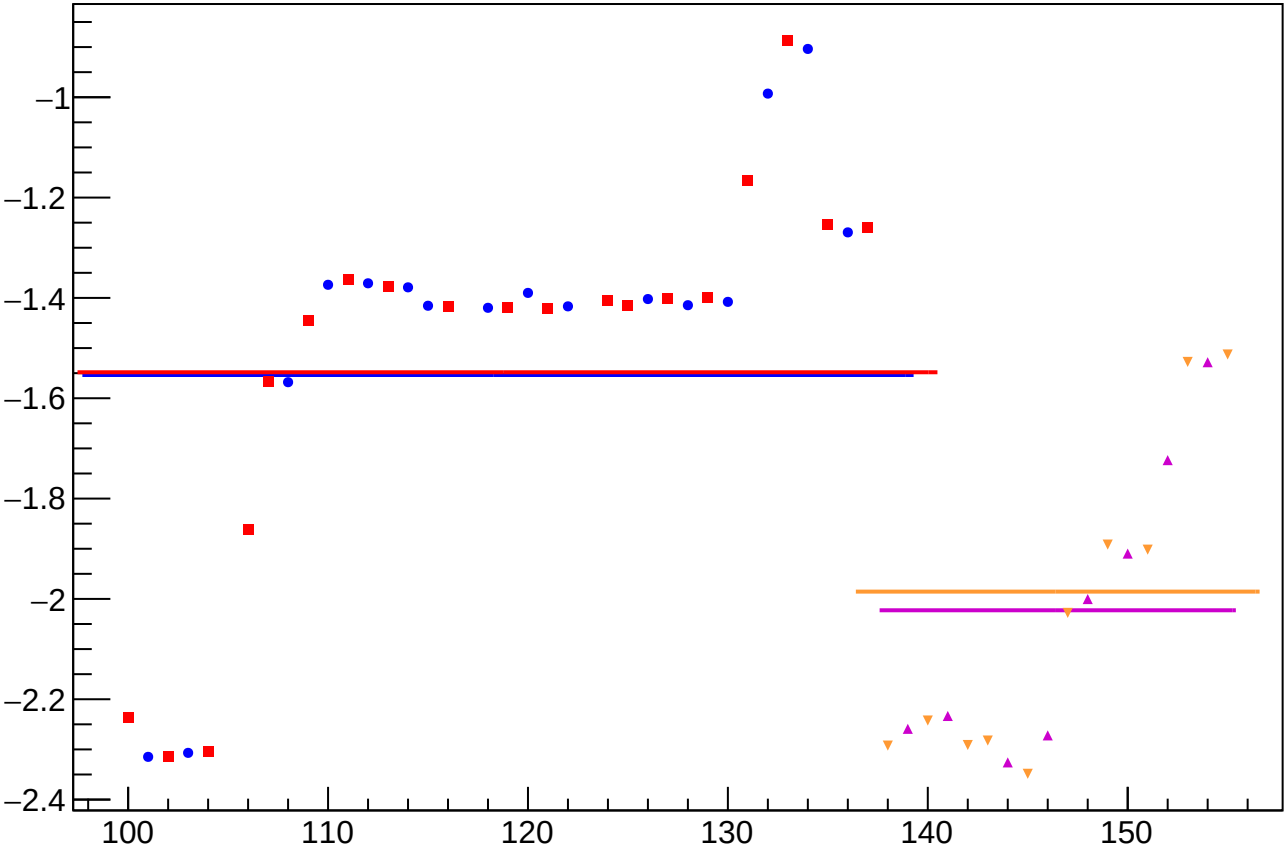
Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:390064.2/23

Out: 0.007+/-0.000 χ^2/NDF:455482.3/28

All: 0.007+/-0.000 χ^2/NDF: 848280.6/52

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.985+/-0.000 χ^2/NDF:70300154070.1/9

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -2.023+/-0.000 χ^2/NDF:49035244944.0/7

Left: -2.003+/-0.000 χ^2/NDF: 119788709526.9/17

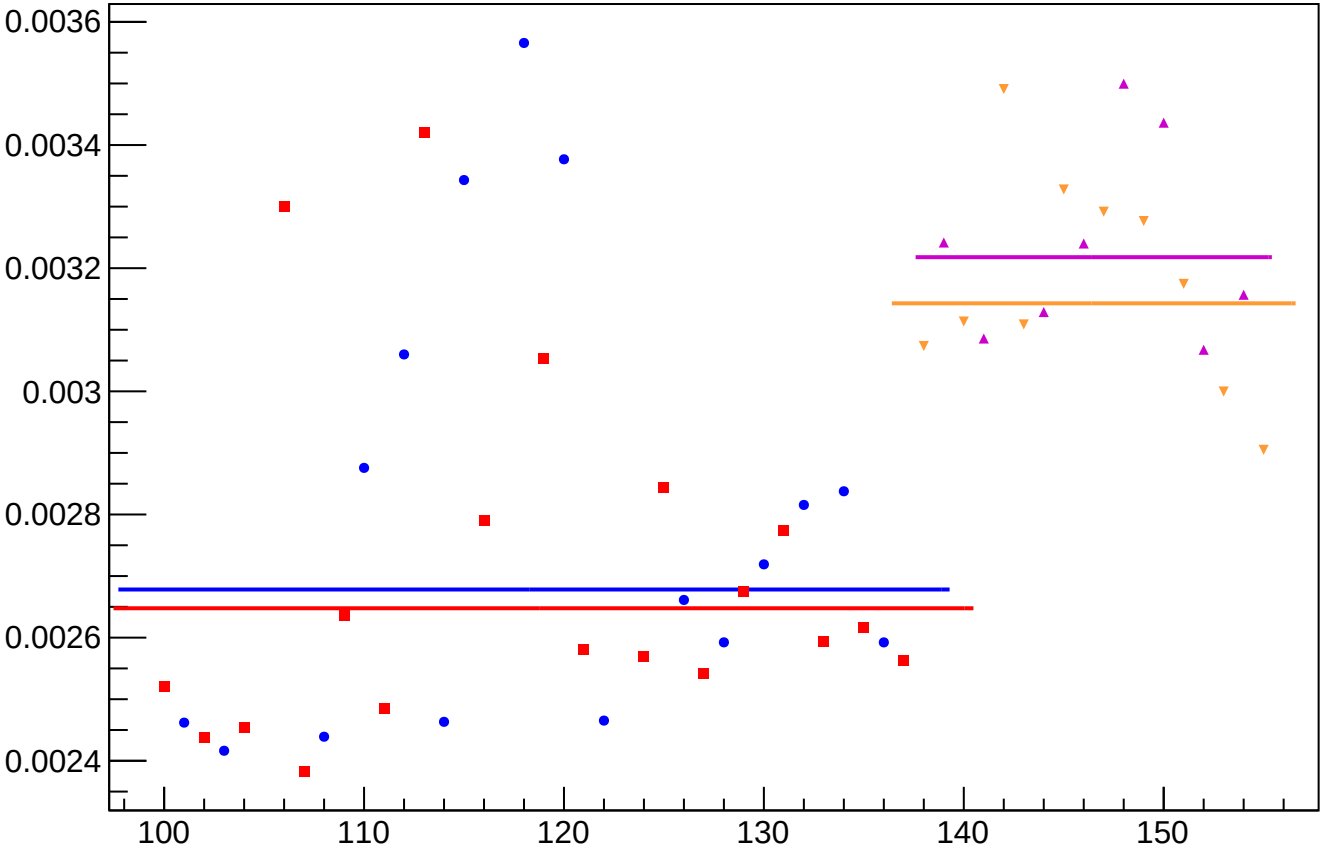
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.738+/-0.000 χ^2/NDF:305377443625.5/23

Out: -1.729+/-0.000 χ^2/NDF:324316785569.0/28

All: -1.734+/-0.000 χ^2/NDF: 629762214457.6

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:33178.6/9

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:25353.5/7

Left: 0.003+/-0.000 χ^2/NDF: 62209.6/17

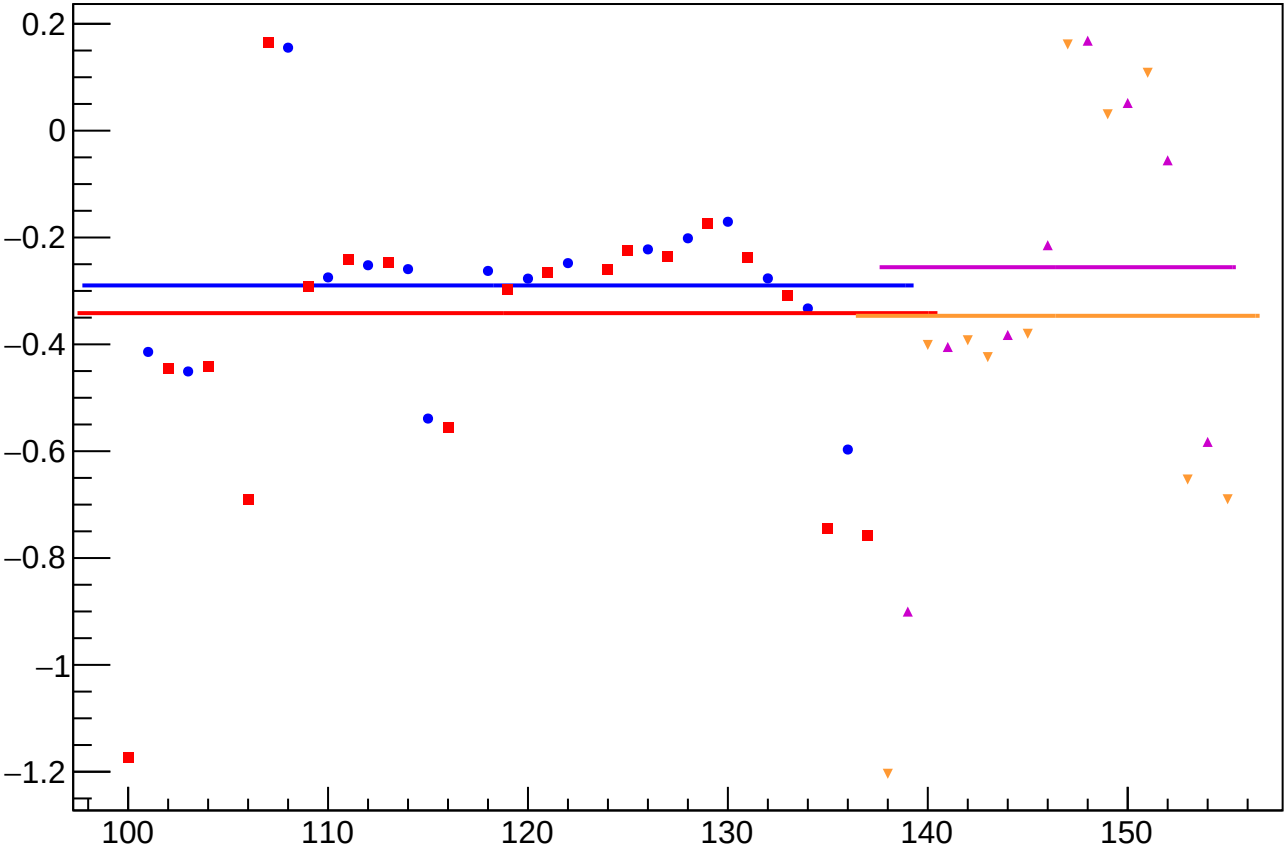
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:398179.2/23

Out: 0.003+/-0.000 χ^2/NDF:352726.9/28

All: 0.003+/-0.000 χ^2/NDF: 753254.0/52

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.347+/-0.000 χ^2/NDF:6503605720.1/9

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.256+/-0.000 χ^2/NDF:3680125839.4/7

Left: -0.304+/-0.000 χ^2/NDF: 10340855739.1/17

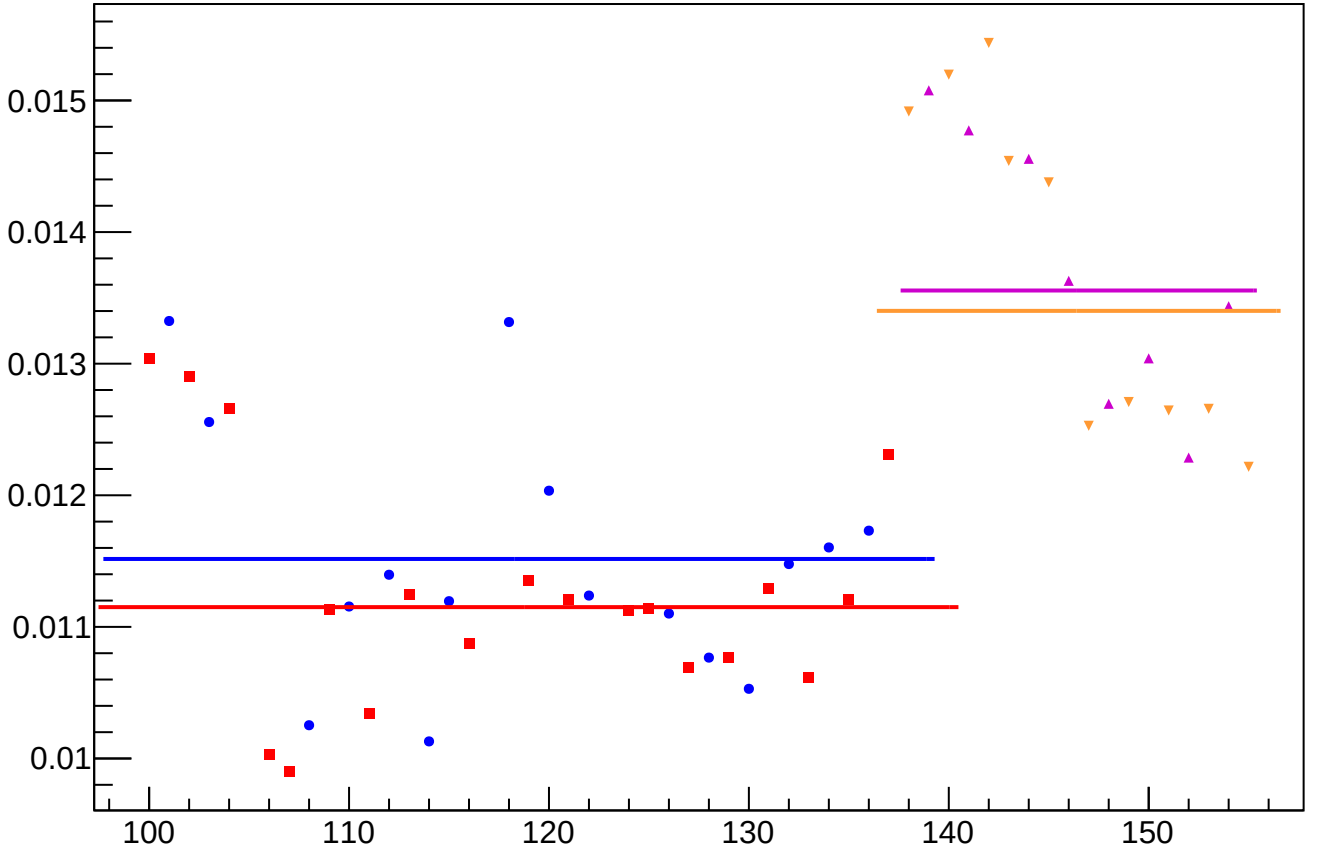
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.276+/-0.000 χ^2/NDF:5349951151.3/23

Out: -0.344+/-0.000 χ^2/NDF:9113451083.3/28

All: -0.312+/-0.000 χ^2/NDF: 14676903657.4/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:104496.6/9

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.014+/-0.000 χ^2/NDF:62737.6/7

Left: 0.013+/-0.000 χ^2/NDF: 168142.9/17

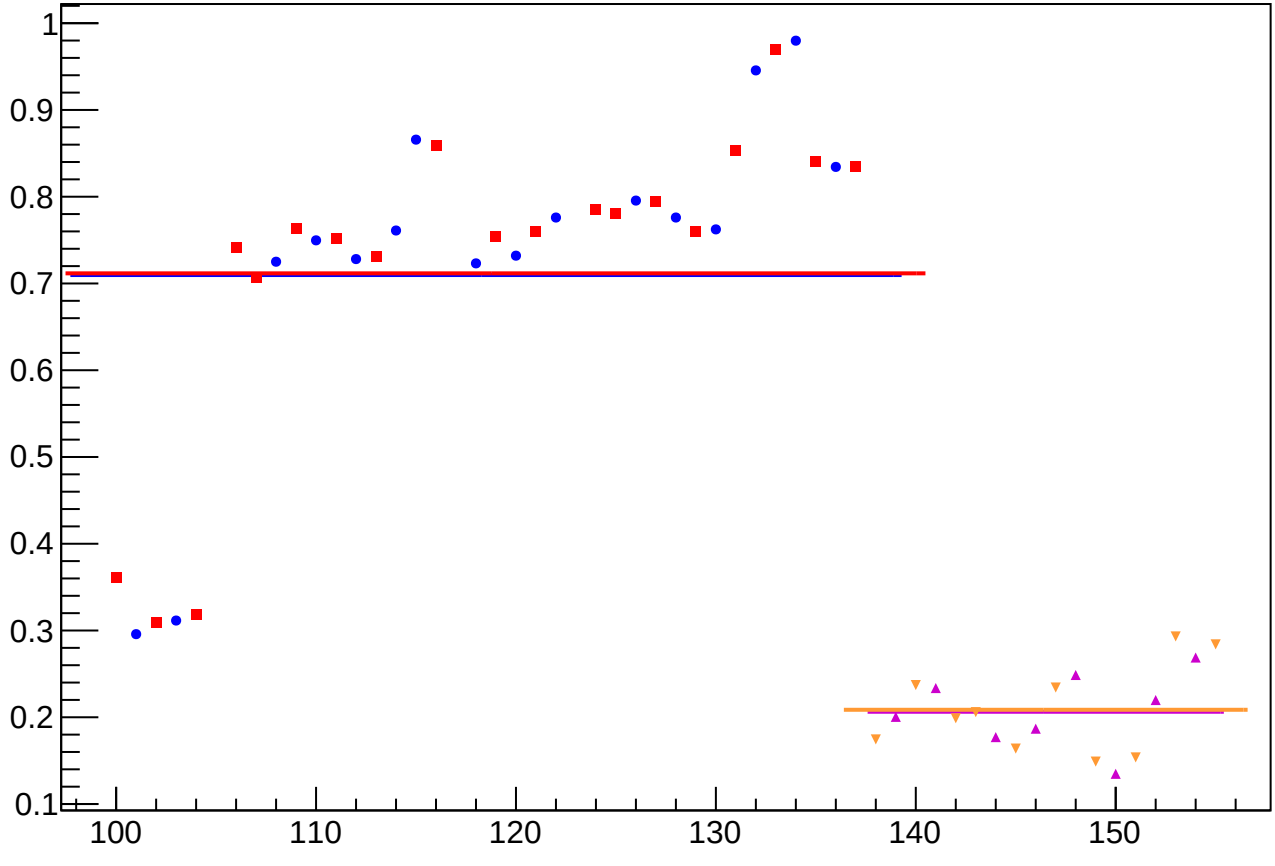
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:323007.6/23

Out: 0.012+/-0.000 χ^2/NDF:417817.0/28

All: 0.012+/-0.000 χ^2/NDF: 747576.5/52

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.209+/-0.000 χ^2/NDF:3922439898.6/9

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.206+/-0.000 χ^2/NDF:2368349143.5/7

Left: 0.208+/-0.000 χ^2/NDF: 6294807217.6/17

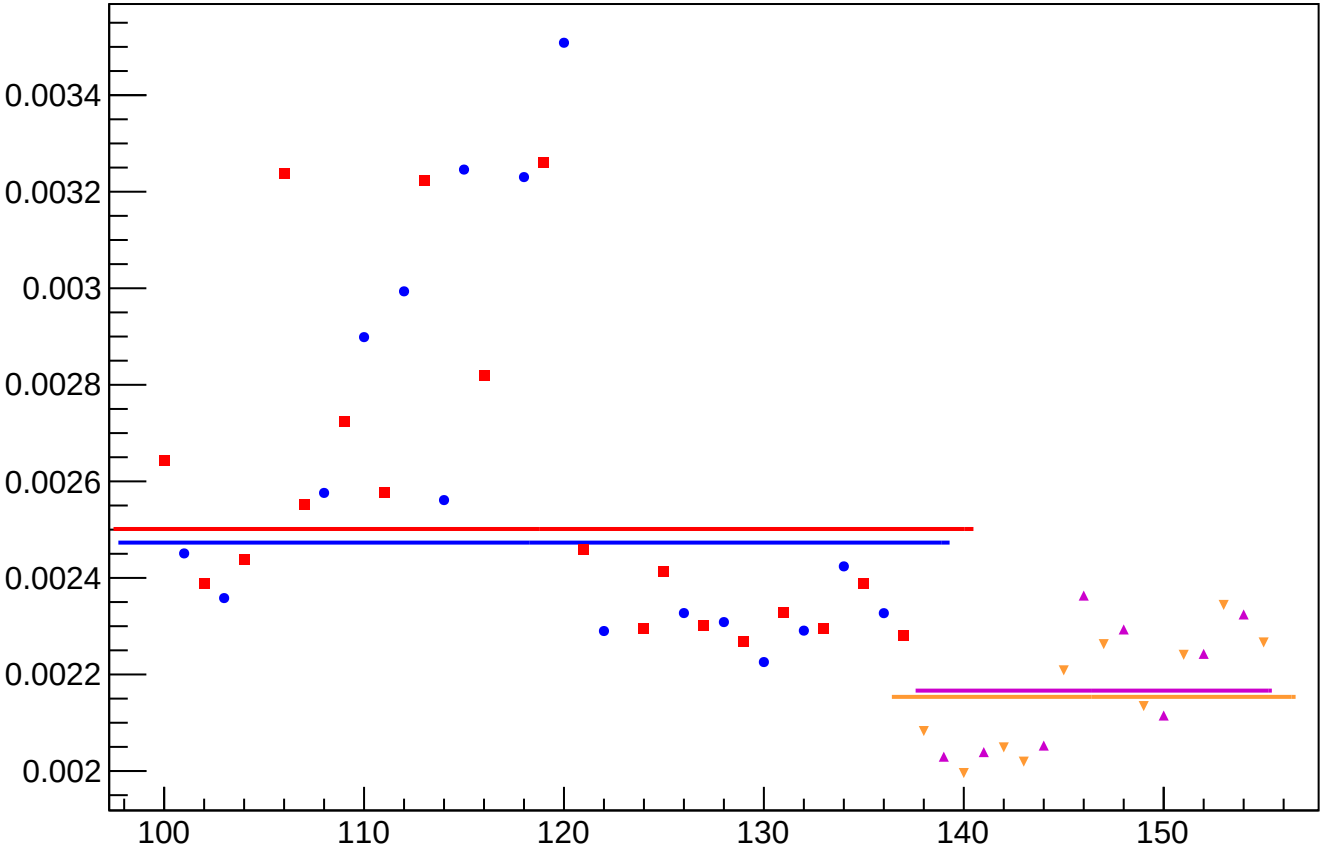
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.424+/-0.000 χ^2/NDF:211897653837.4/23

Out: 0.411+/-0.000 χ^2/NDF:217929891766.9/28

All: 0.417+/-0.000 χ^2/NDF: 430025201862.6

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:43839.9/9

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:48302.1/7

Left: 0.002+/-0.000 χ^2/NDF: 92404.7/17

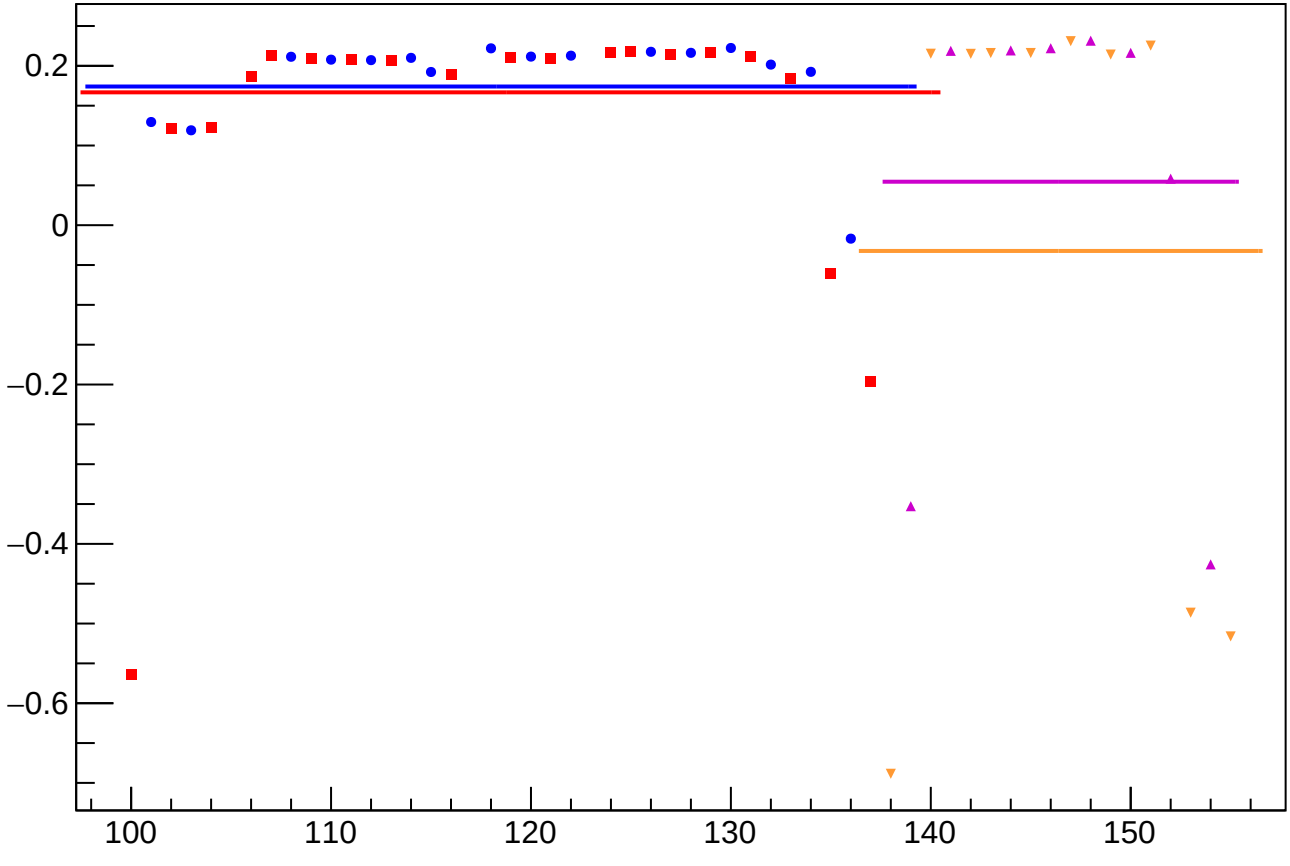
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:375509.2/23

Out: 0.002+/-0.000 χ^2/NDF:383611.2/28

All: 0.002+/-0.000 χ^2/NDF: 759189.3/52

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.032+/-0.000 χ^2/NDF:6553955289.4/9

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.055+/-0.000 χ^2/NDF:2797030036.9/7

Left: 0.008+/-0.000 χ^2/NDF: 9526204210.1/17

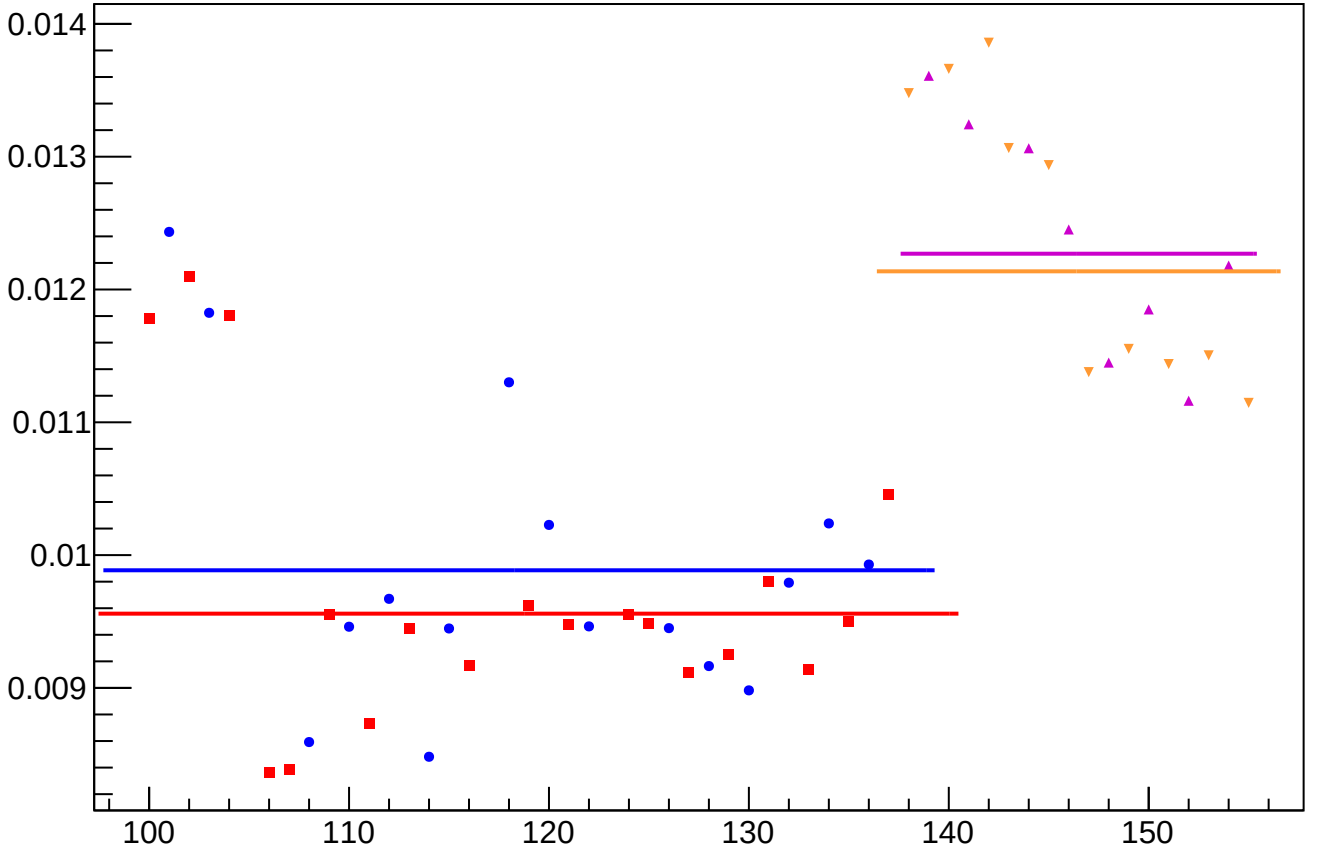
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.128+/-0.000 χ^2/NDF:3582534798.1/23

Out: 0.090+/-0.000 χ^2/NDF:8656123519.2/28

All: 0.108+/-0.000 χ^2/NDF: 12328497199.1/5

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:93306.3/9

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:57328.3/7

Left: 0.012+/-0.000 χ^2/NDF: 151450.9/17

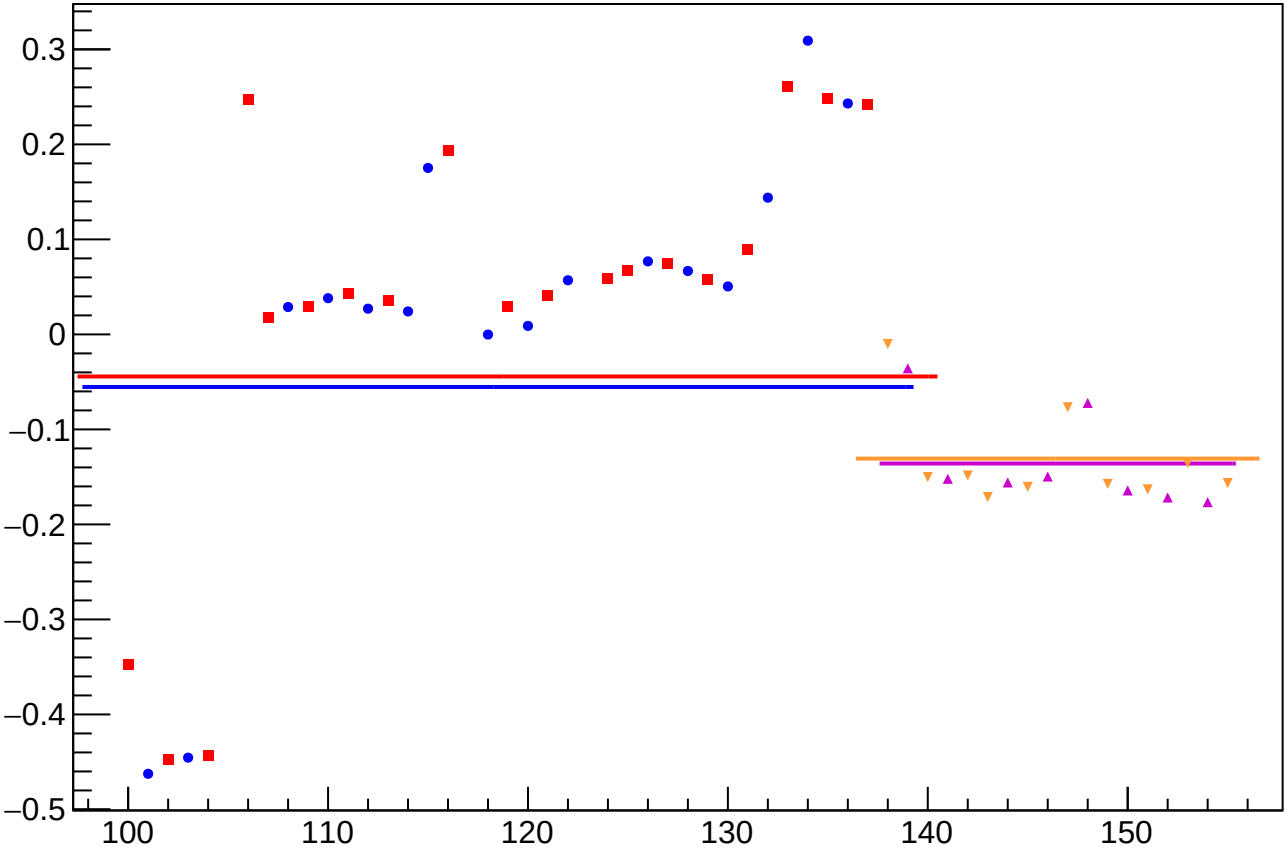
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:511154.9/23

Out: 0.011+/-0.000 χ^2/NDF:634588.5/28

All: 0.011+/-0.000 χ^2/NDF: 1152798.8/52

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.131+/-0.000 χ^2/NDF:2070686873.4/9

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.136+/-0.000 χ^2/NDF:1743537889.2/7

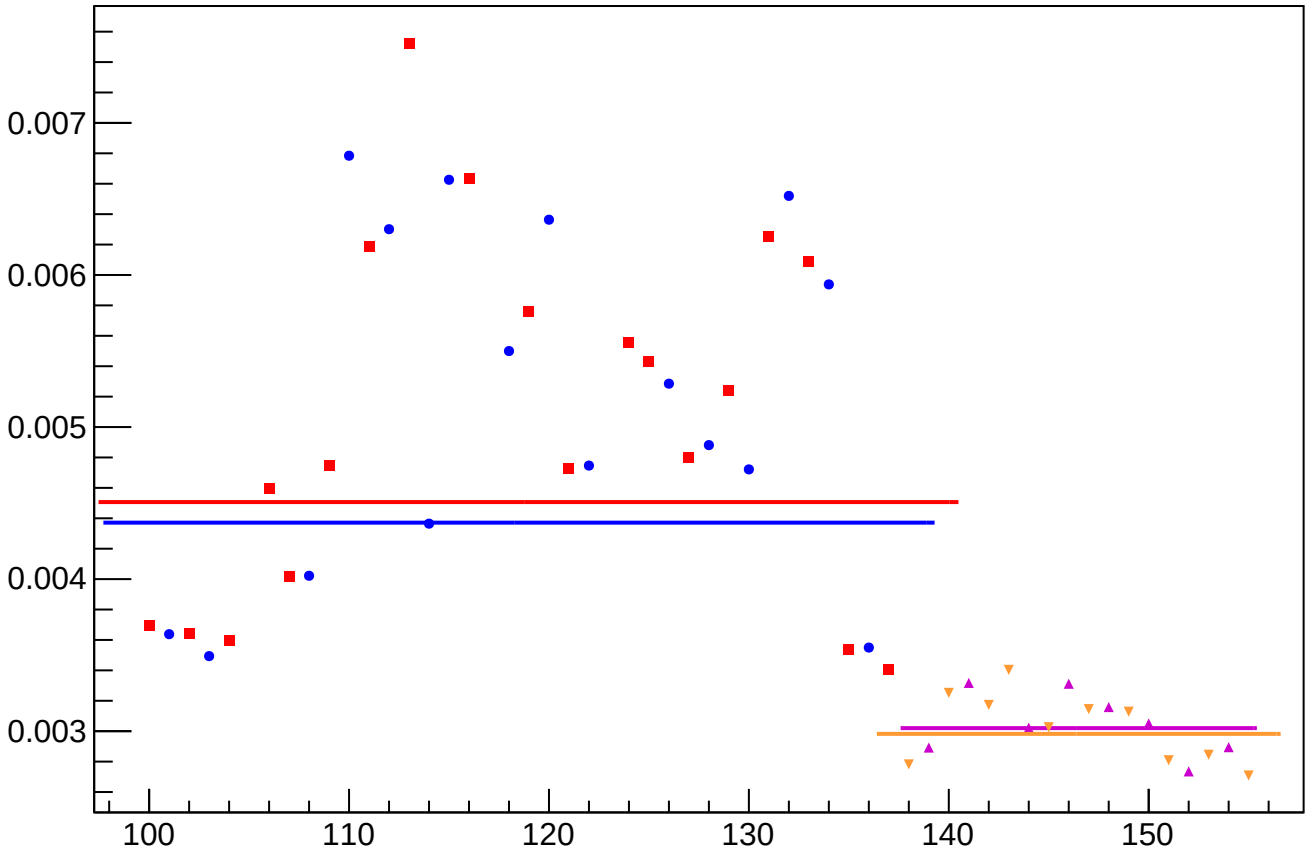
Left: -0.133+/-0.000 χ^2/NDF: 3824521558.1/17

Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.111+/-0.000 χ^2/NDF:27258741771.5/23

Out: -0.107+/-0.000 χ^2/NDF:25907260072.5/28

All: -0.109+/-0.000 χ^2/NDF: 53175734052.9/



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:77184.8/9

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:52282.8/7

Left: 0.003+/-0.000 χ^2/NDF: 130568.7/17

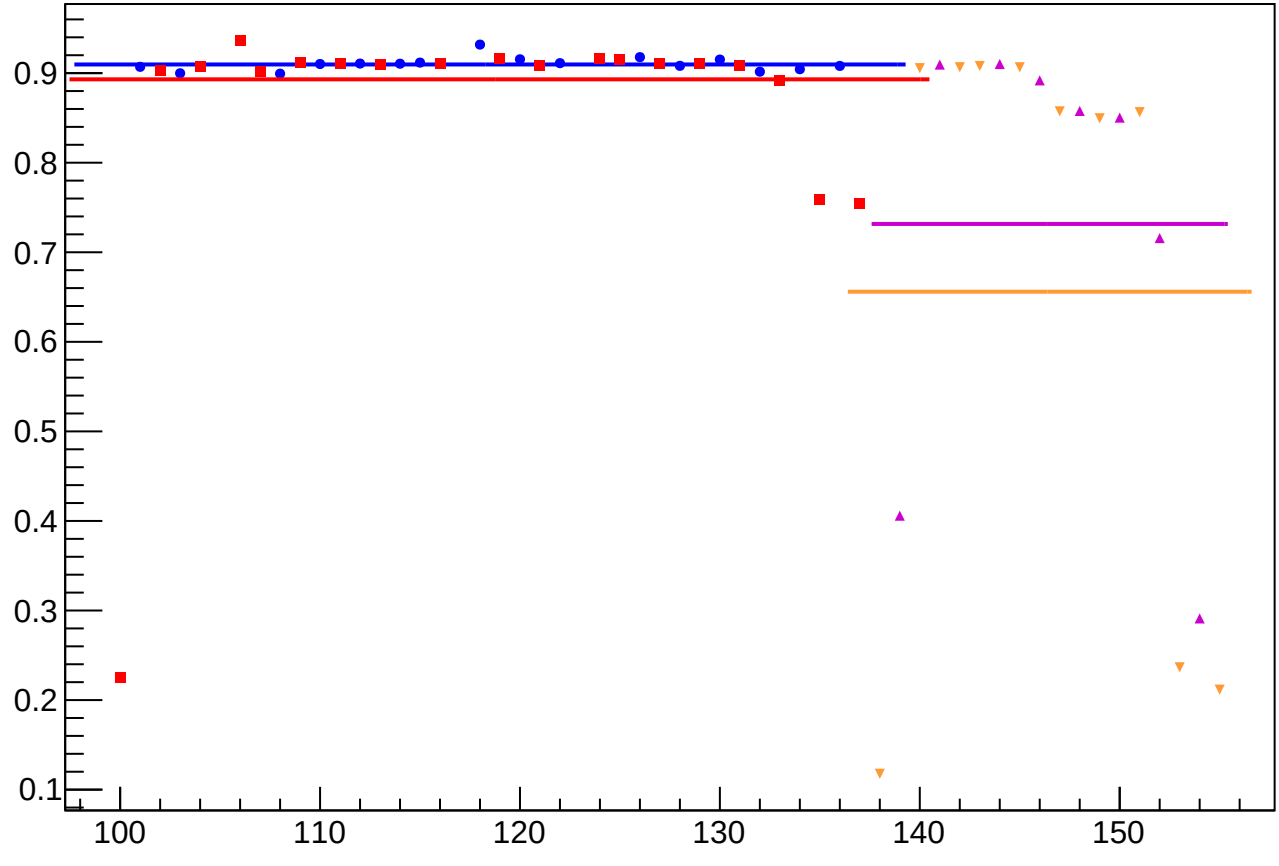
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:1518956.0/23

Out: 0.003+/-0.000 χ^2/NDF:1839661.0/28

All: 0.003+/-0.000 χ^2/NDF: 3359805.1/52

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.656+/-0.000 χ^2/NDF:5451021020.6/9

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.732+/-0.000 χ^2/NDF:2347898483.0/7

Left: 0.691+/-0.000 χ^2/NDF: 7940513238.5/17

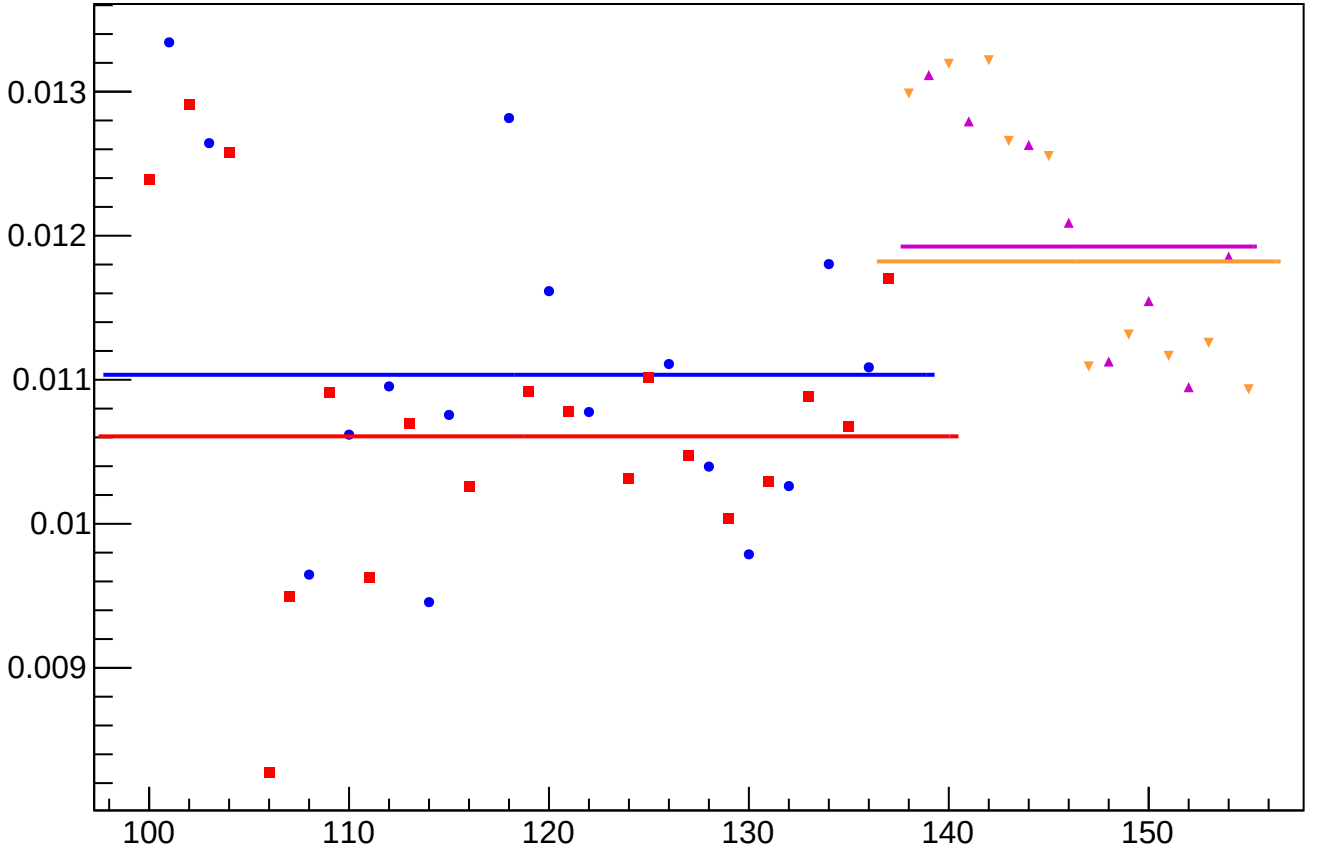
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.829+/-0.000 χ^2/NDF:3159061759.4/23

Out: 0.786+/-0.000 χ^2/NDF:7407170419.8/28

All: 0.806+/-0.000 χ^2/NDF: 10669146504.1/5

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:79359.6/9

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:49731.3/7

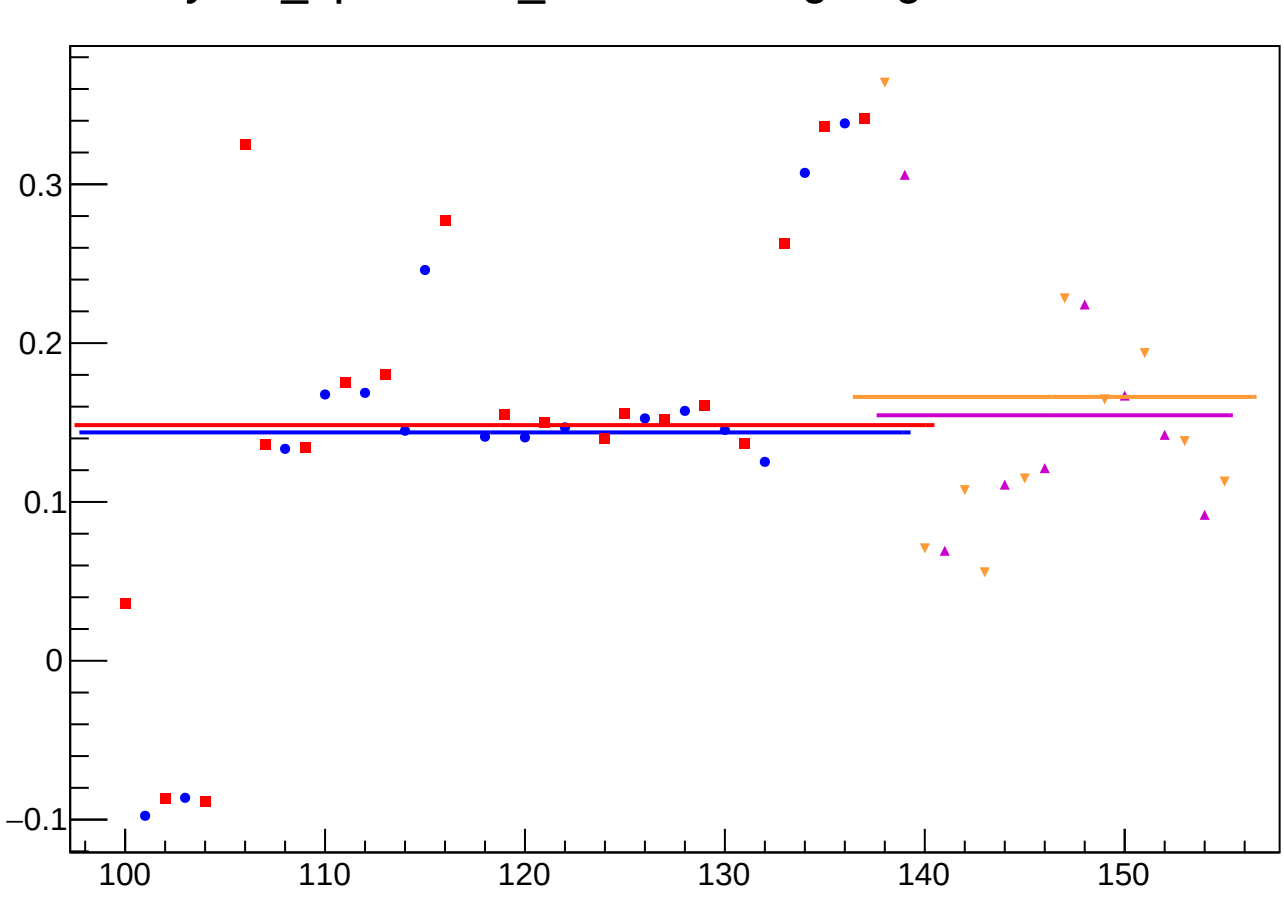
Left: 0.012+/-0.000 χ^2/NDF: 129619.8/17

Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:220480.8/23

Out: 0.011+/-0.000 χ^2/NDF:308693.2/28

All: 0.011+/-0.000 χ^2/NDF: 537788.6/52



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.166+/-0.000 χ^2/NDF:4610447676.8/9

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.155+/-0.000 χ^2/NDF:2620473227.7/7

Left: 0.161+/-0.000 χ^2/NDF: 7267484873.7/17

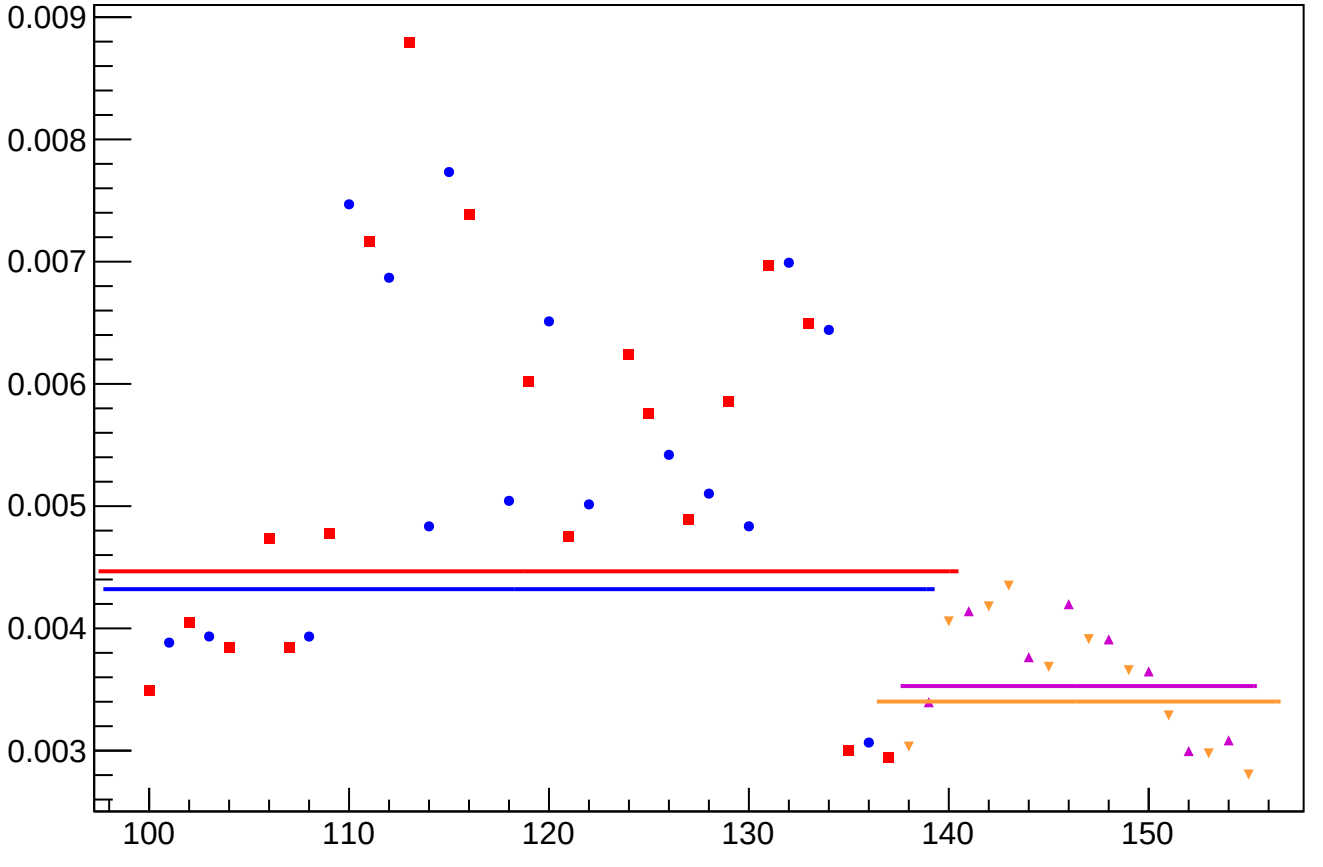
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.150+/-0.000 χ^2/NDF:10509907500.3/23

Out: 0.160+/-0.000 χ^2/NDF:11801780519.5/28

All: 0.156+/-0.000 χ^2/NDF: 22352479114.8/5

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:298402.1/9

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:181523.9/7

Left: 0.003+/-0.000 χ^2/NDF: 488662.7/17

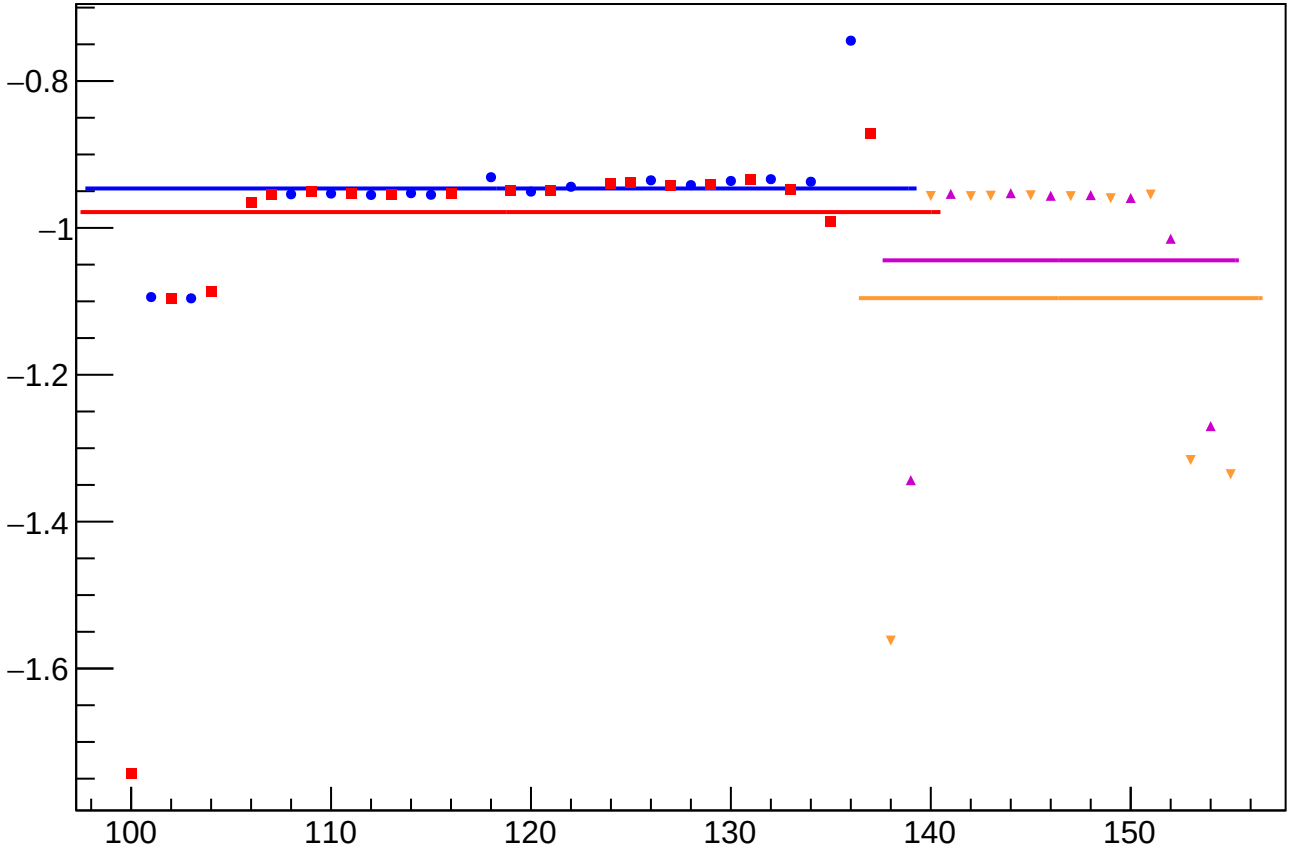
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:1298802.6/23

Out: 0.004+/-0.000 χ^2/NDF:1835893.5/28

All: 0.004+/-0.000 χ^2/NDF: 3139509.7/52

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.096+/-0.000 χ^2/NDF:2933379821.9/9

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.044+/-0.000 χ^2/NDF:1227422341.7/7

Left: -1.071+/-0.000 χ^2/NDF: 4244361353.9/17

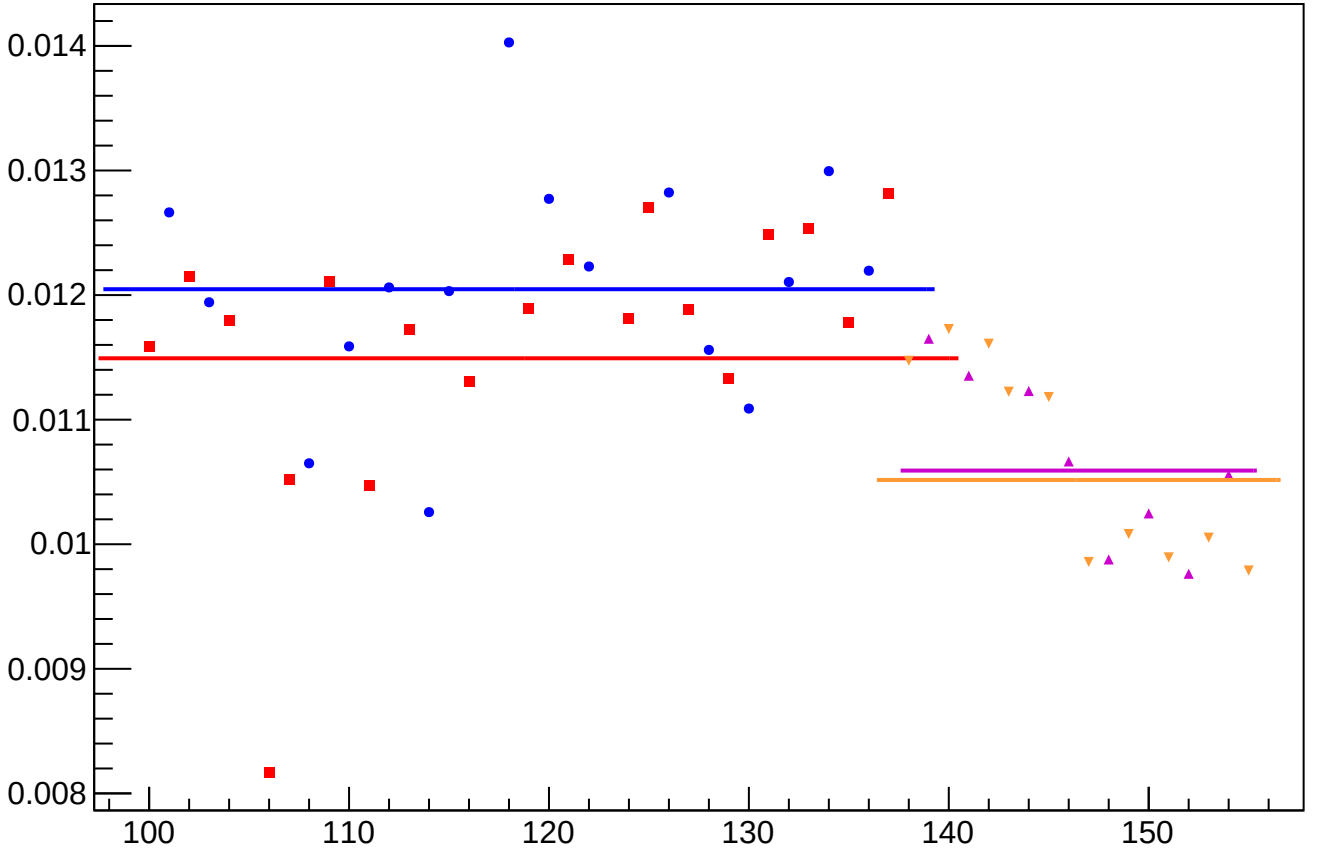
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.001+/-0.000 χ^2/NDF:1884143385.7/23

Out: -1.043+/-0.000 χ^2/NDF:3806587268.7/28

All: -1.023+/-0.000 χ^2/NDF: 5793604556.0/5

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:74300.5/9

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:48884.2/7

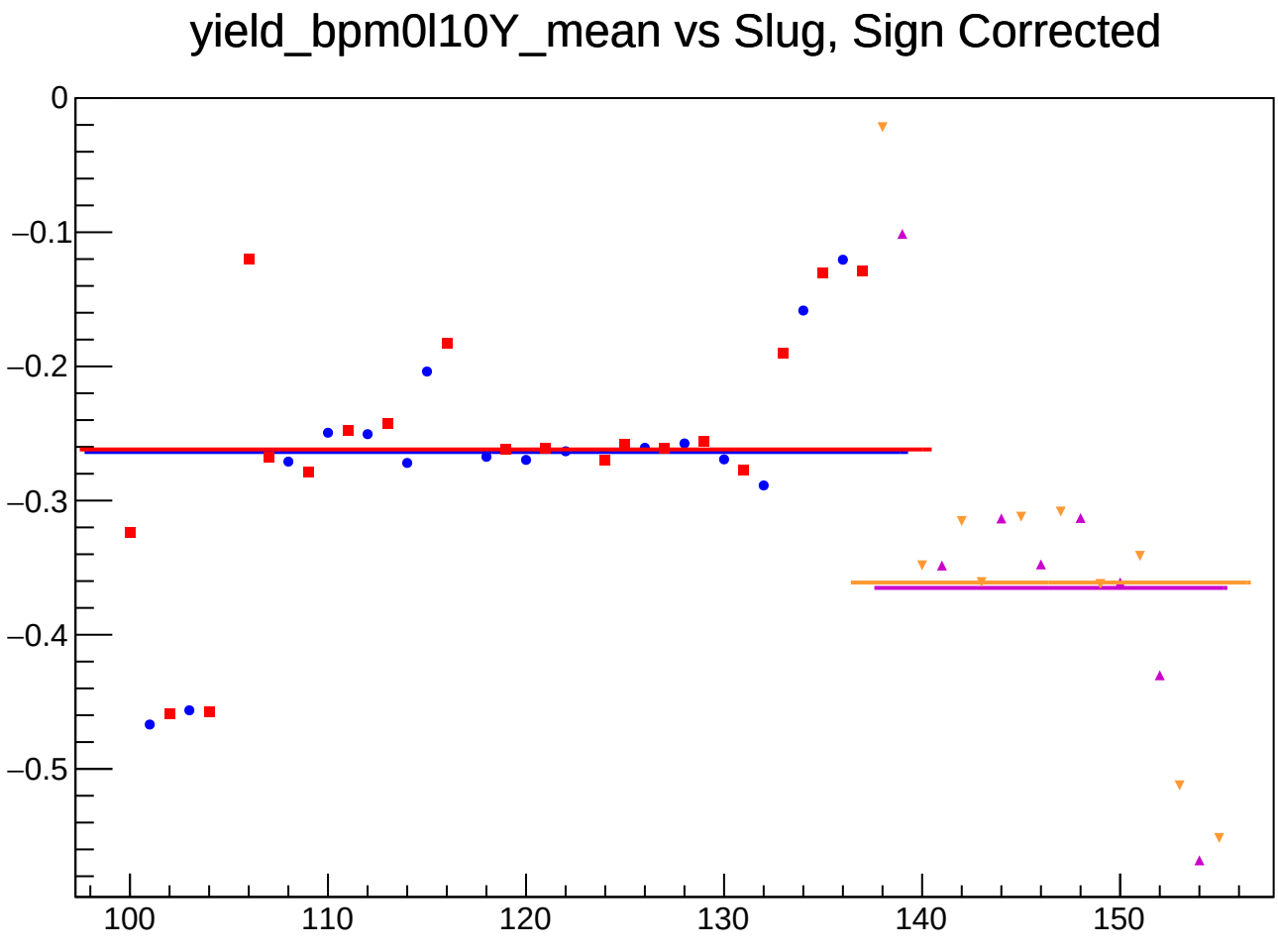
Left: 0.011+/-0.000 χ^2/NDF: 123541.5/17

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.011+/-0.000 χ^2/NDF:223021.2/23

Out: 0.011+/-0.000 χ^2/NDF:282839.9/28

All: 0.011+/-0.000 χ^2/NDF: 515085.8/52



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.361+/-0.000 χ^2/NDF:10993337055.8/9

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.365+/-0.000 χ^2/NDF:6750078227.7/7

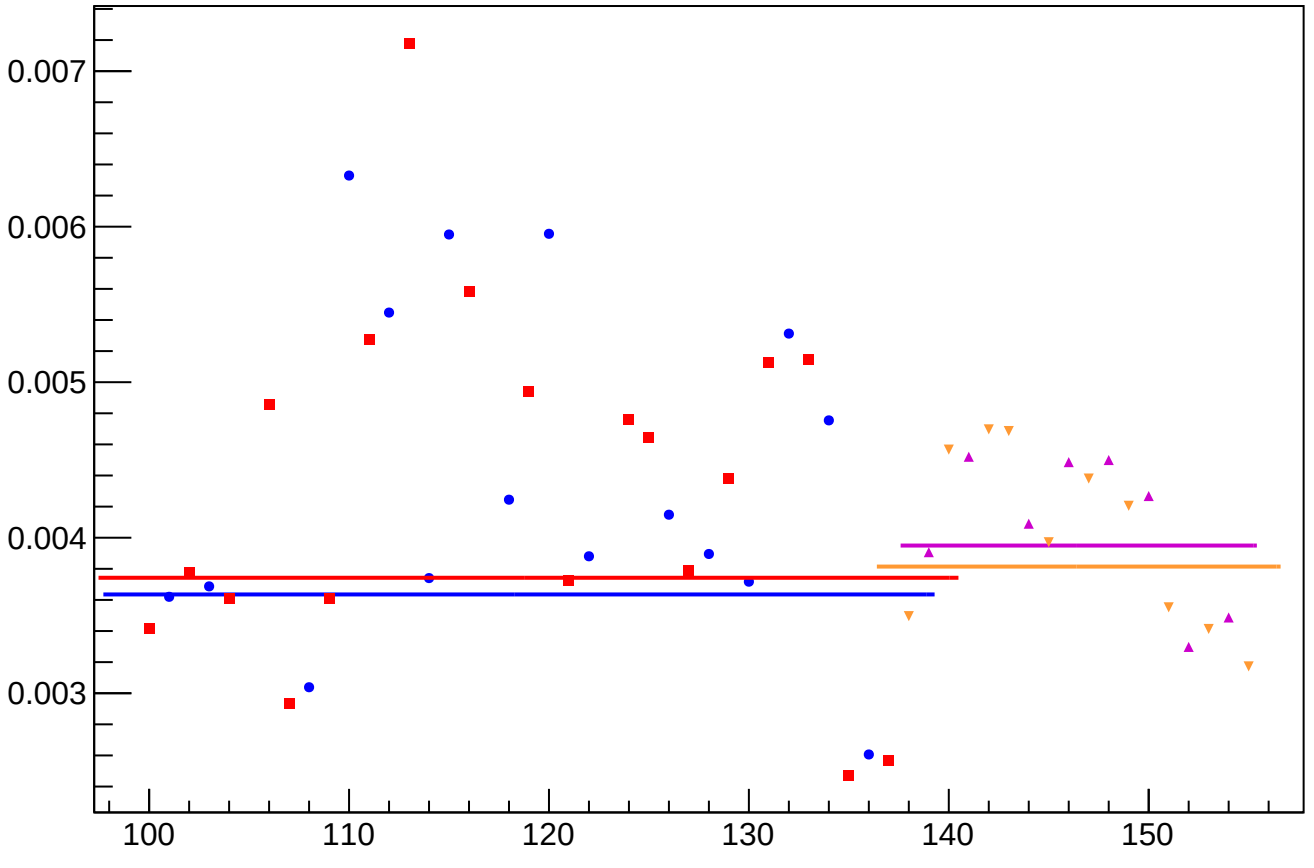
Left: -0.363+/-0.000 χ^2/NDF: 17746833707.7/17

Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.312+/-0.000 χ^2/NDF:14968864859.6/23

Out: -0.314+/-0.000 χ^2/NDF:18451713427.9/28

All: -0.313+/-0.000 χ^2/NDF: 33422466595.8/



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:256309.1/9

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:168192.7/7

Left: 0.004+/-0.000 χ^2/NDF: 432289.2/17

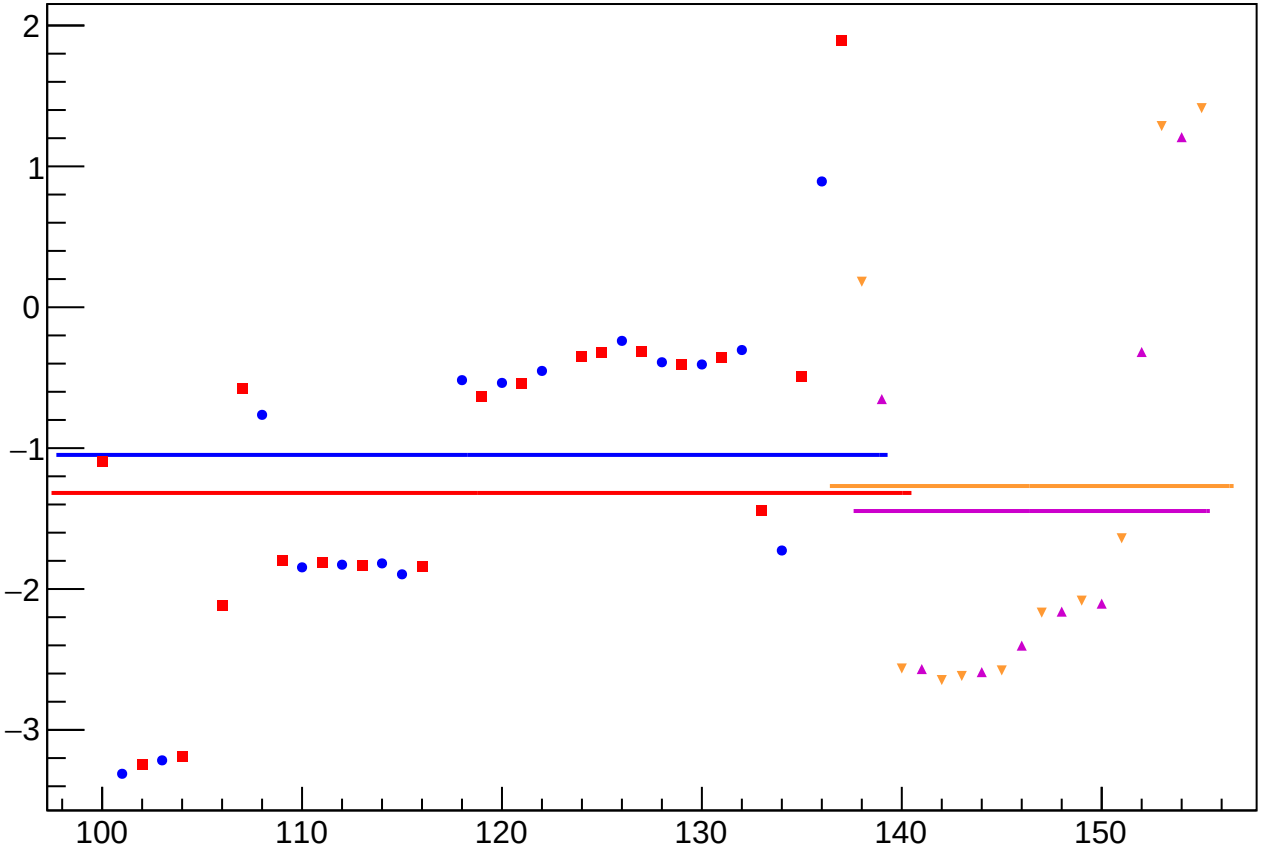
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:937504.7/23

Out: 0.004+/-0.000 χ^2/NDF:1152822.5/28

All: 0.004+/-0.000 χ^2/NDF: 2090337.7/52

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.269+/-0.000 χ^2/NDF:3372834787.2/9

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -1.446+/-0.000 χ^2/NDF:2033046416.4/7

Left: -1.352+/-0.000 χ^2/NDF: 5426036815.6/17

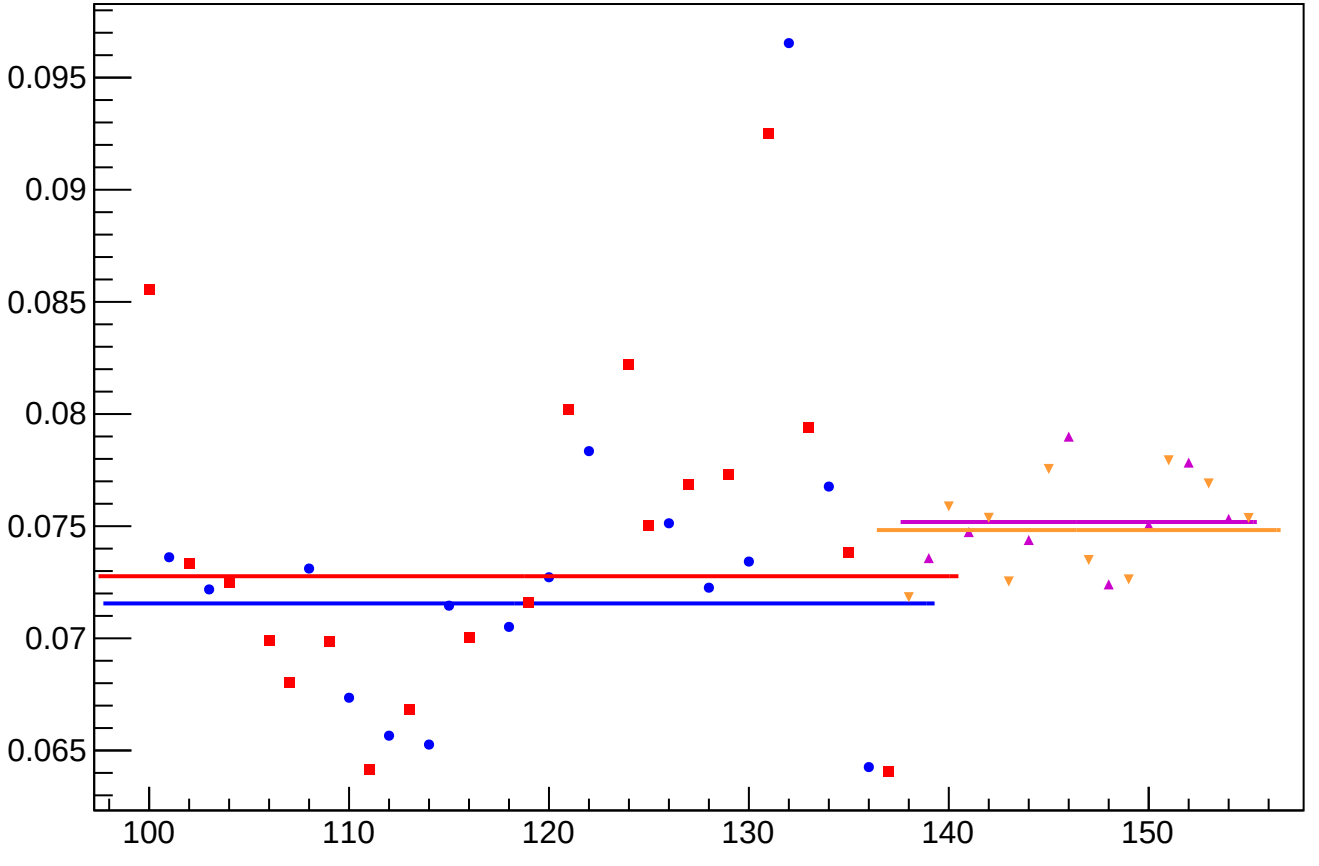
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.234+/-0.000 χ^2/NDF:4481678707.9/23

Out: -1.294+/-0.000 χ^2/NDF:5222483979.0/28

All: -1.265+/-0.000 χ^2/NDF: 9708793779.8/5

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:12512.5/9

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:9285.3/7

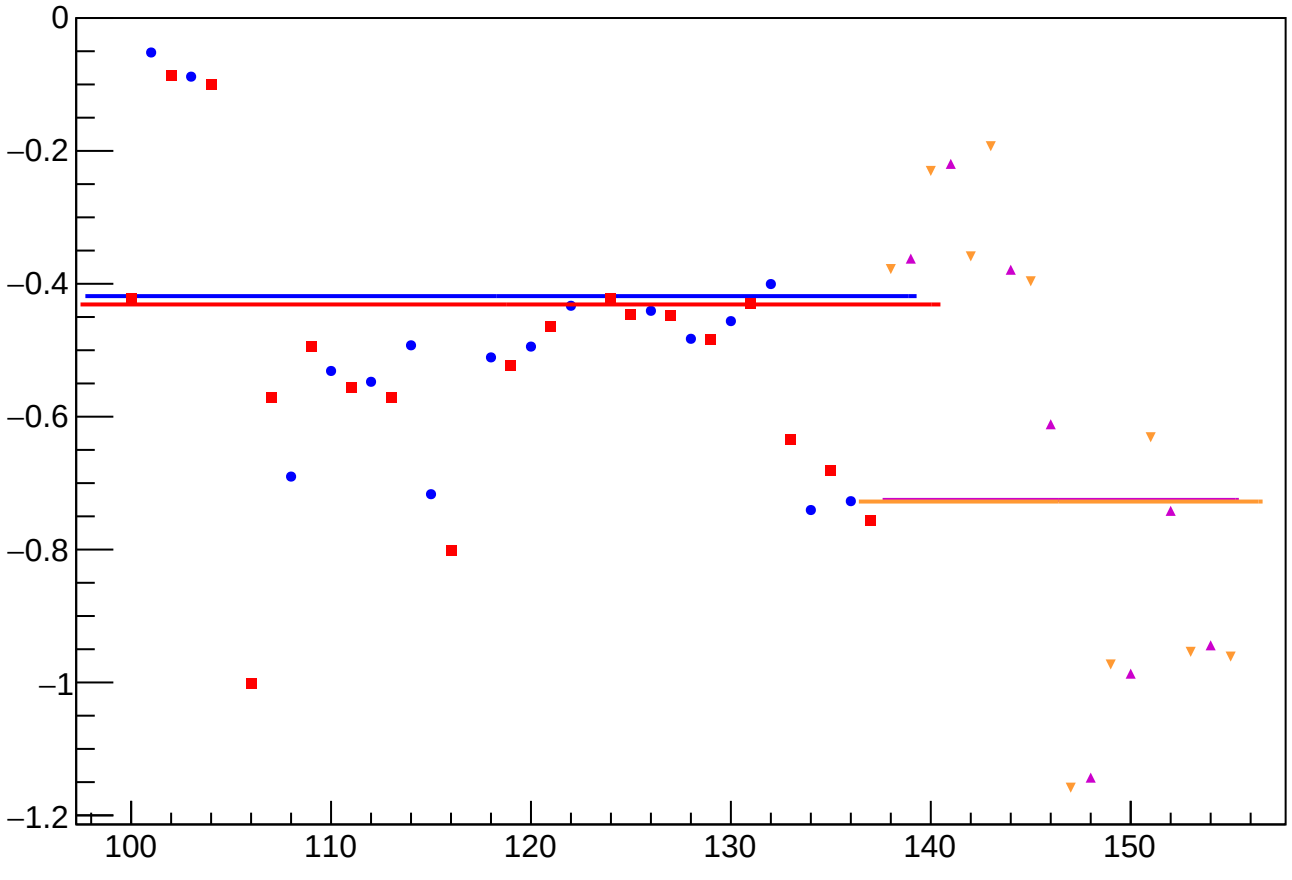
Left: 0.075+/-0.000 χ^2/NDF: 21963.7/17

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.073+/-0.000 χ^2/NDF:127409.0/23

Out: 0.074+/-0.000 χ^2/NDF:115182.6/28

All: 0.074+/-0.000 χ^2/NDF: 243370.4/52



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.728+/-0.000 χ^2/NDF:12726003761.2/9

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.725+/-0.000 χ^2/NDF:9431228975.1/7

Left: -0.727+/-0.000 χ^2/NDF: 22157589972.1/17

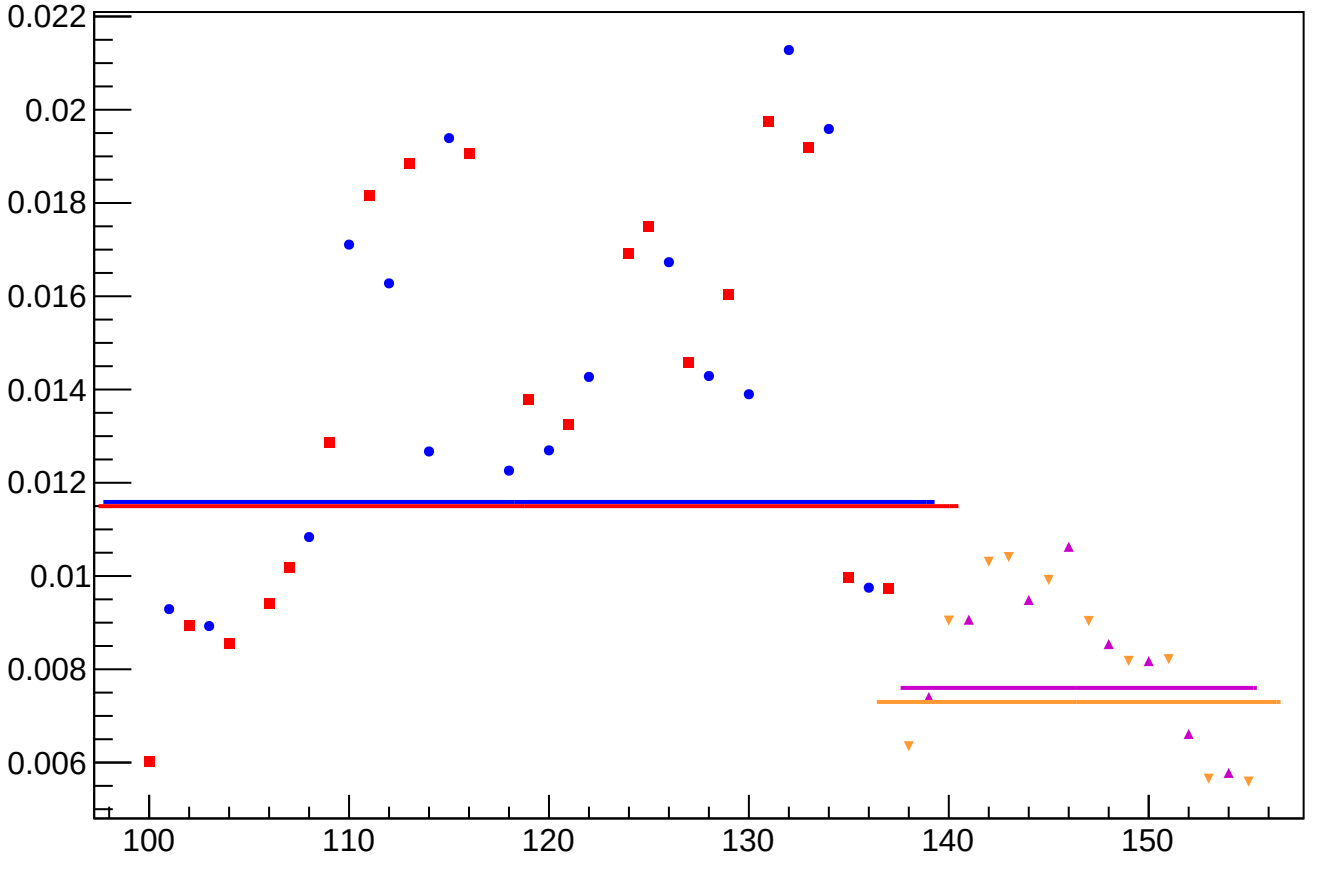
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.635+/-0.000 χ^2/NDF:15451703343.2/23

Out: -0.650+/-0.000 χ^2/NDF:18872247362.0/28

All: -0.643+/-0.000 χ^2/NDF: 34341690046.0/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:762879.5/9

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.008+/-0.000 χ^2/NDF:460526.1/7

Left: 0.007+/-0.000 χ^2/NDF: 1233989.0/17

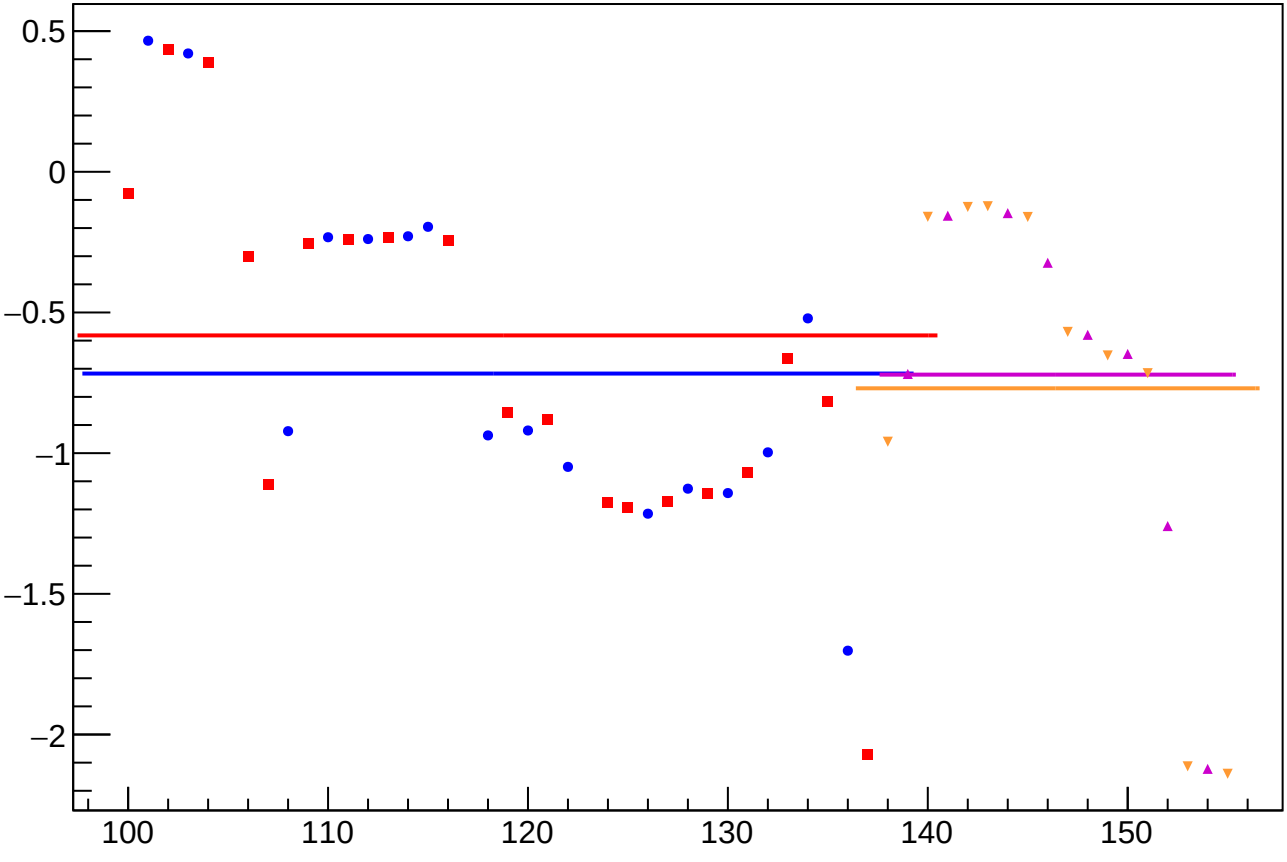
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.009+/-0.000 χ^2/NDF:2243490.3/23

Out: 0.008+/-0.000 χ^2/NDF:3109616.2/28

All: 0.009+/-0.000 χ^2/NDF: 5375490.8/52

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.770+/-0.000 χ^2/NDF:554859957.8/9

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -0.721+/-0.000 χ^2/NDF:360803501.9/7

Left: -0.747+/-0.000 χ^2/NDF: 916862904.7/17

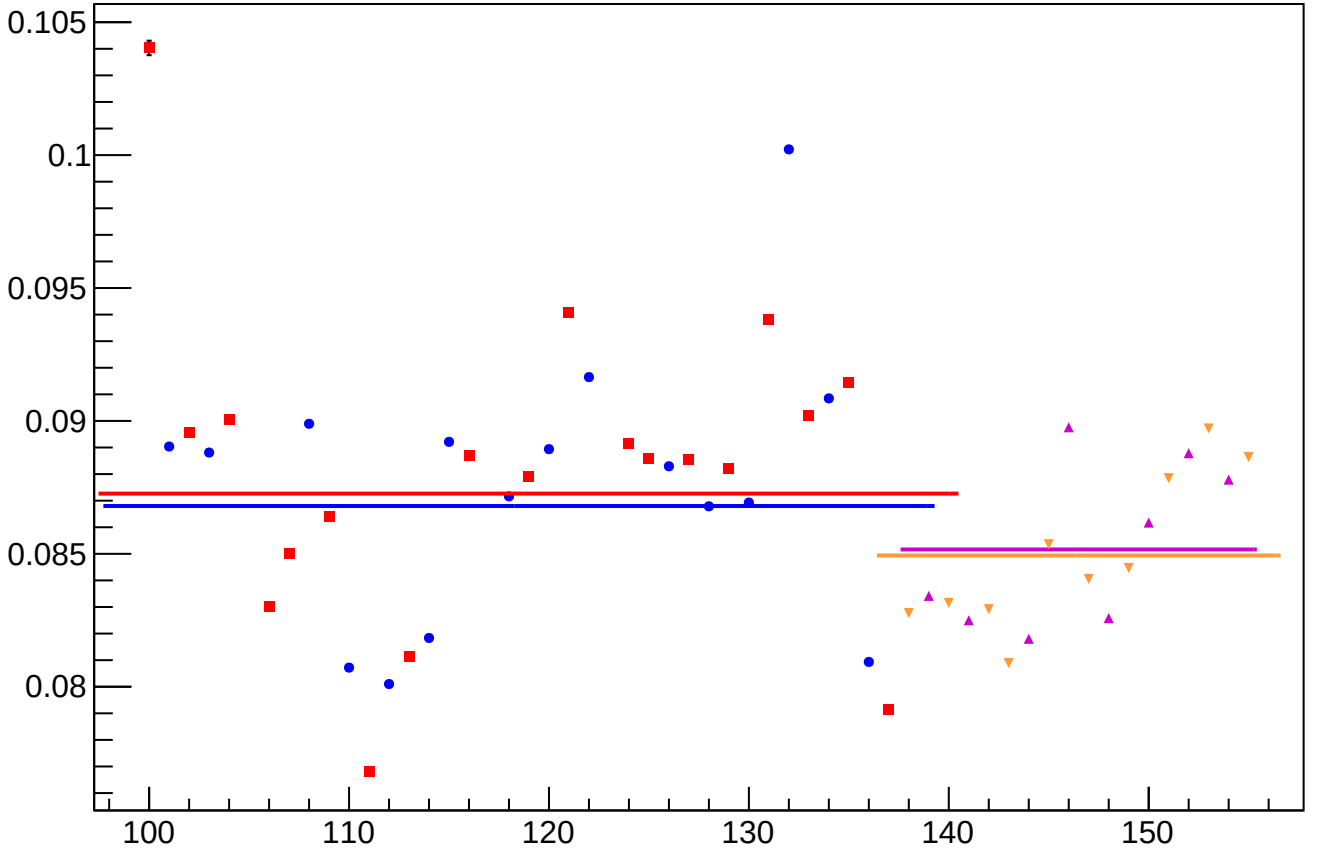
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.719+/-0.000 χ^2/NDF:798234187.8/23

Out: -0.680+/-0.000 χ^2/NDF:915046014.8/28

All: -0.699+/-0.000 χ^2/NDF: 1714771966.3/5

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.085+/-0.000 χ^2/NDF:16007.0/9

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.085+/-0.000 χ^2/NDF:16461.8/7

Left: 0.085+/-0.000 χ^2/NDF: 32521.1/17

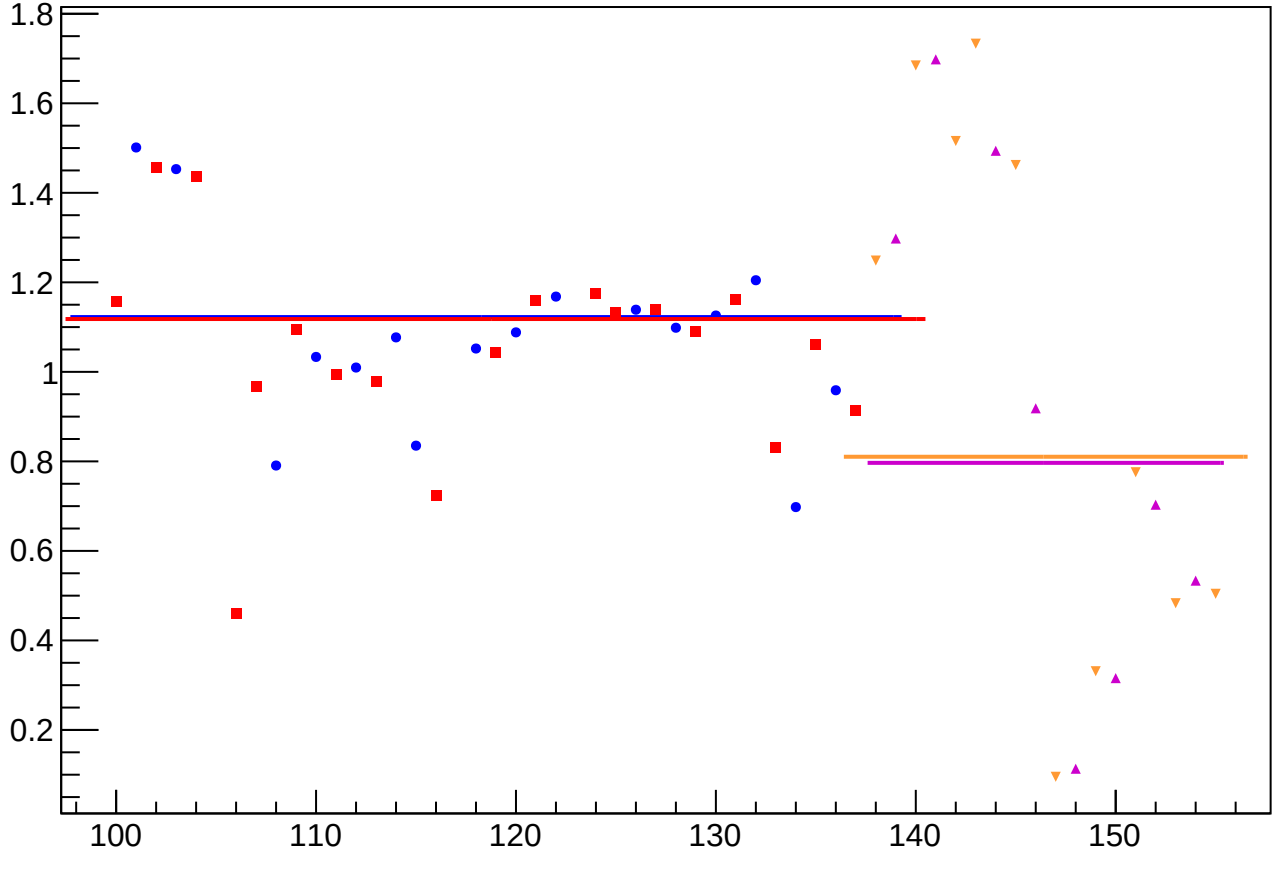
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:62586.1/23

Out: 0.086+/-0.000 χ^2/NDF:67733.7/28

All: 0.086+/-0.000 χ^2/NDF: 130328.1/52

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.810+/-0.000 χ^2/NDF:23425907594.8/9

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.797+/-0.000 χ^2/NDF:17991040306.7/7

Left: 0.804+/-0.000 χ^2/NDF: 41424610088.1/17

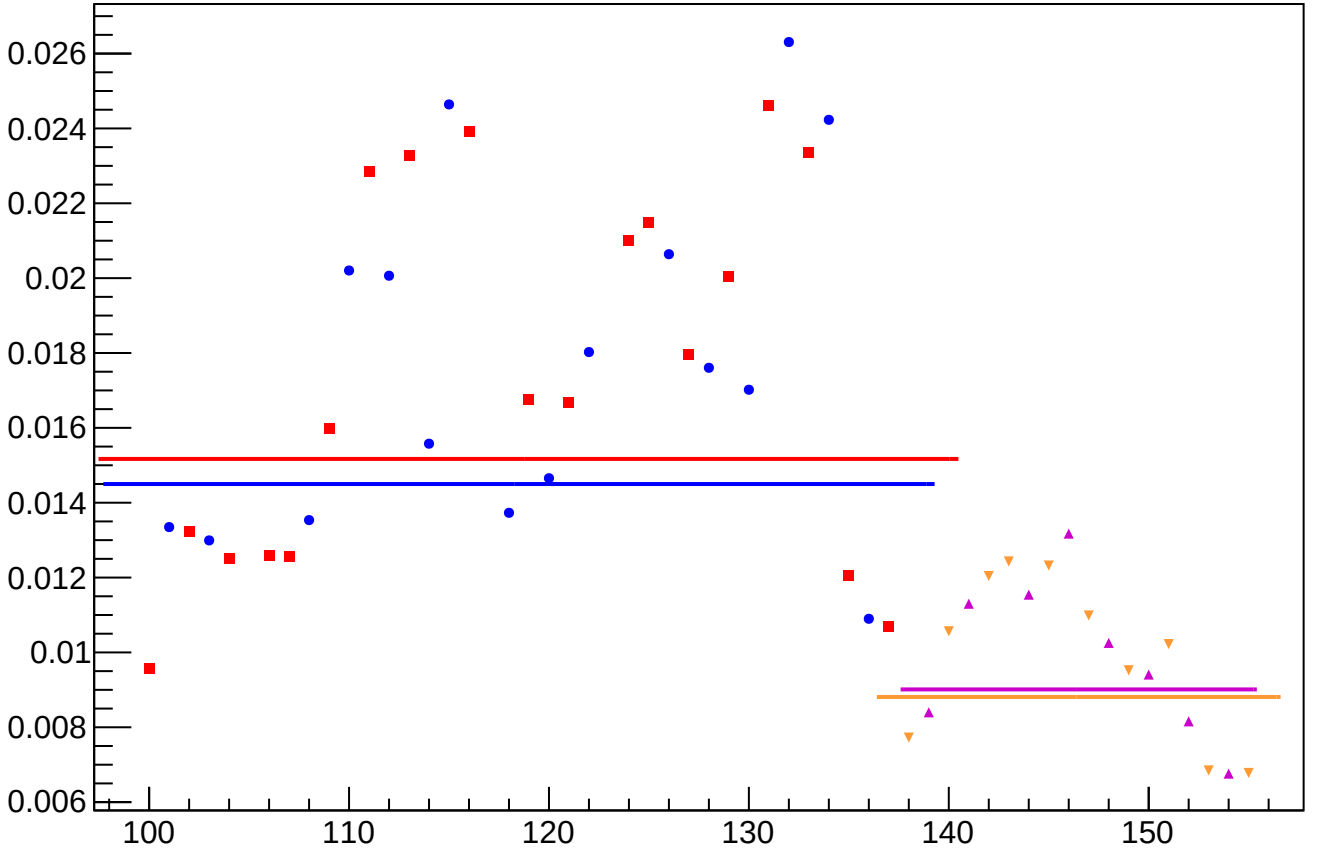
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.885+/-0.000 χ^2/NDF:21640473799.3/23

Out: 0.881+/-0.000 χ^2/NDF:26939472730.2/28

All: 0.883+/-0.000 χ^2/NDF: 48580806242.4/5

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:745610.3/9

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.009+/-0.000 χ^2/NDF:536983.9/7

Left: 0.009+/-0.000 χ^2/NDF: 1285944.3/17

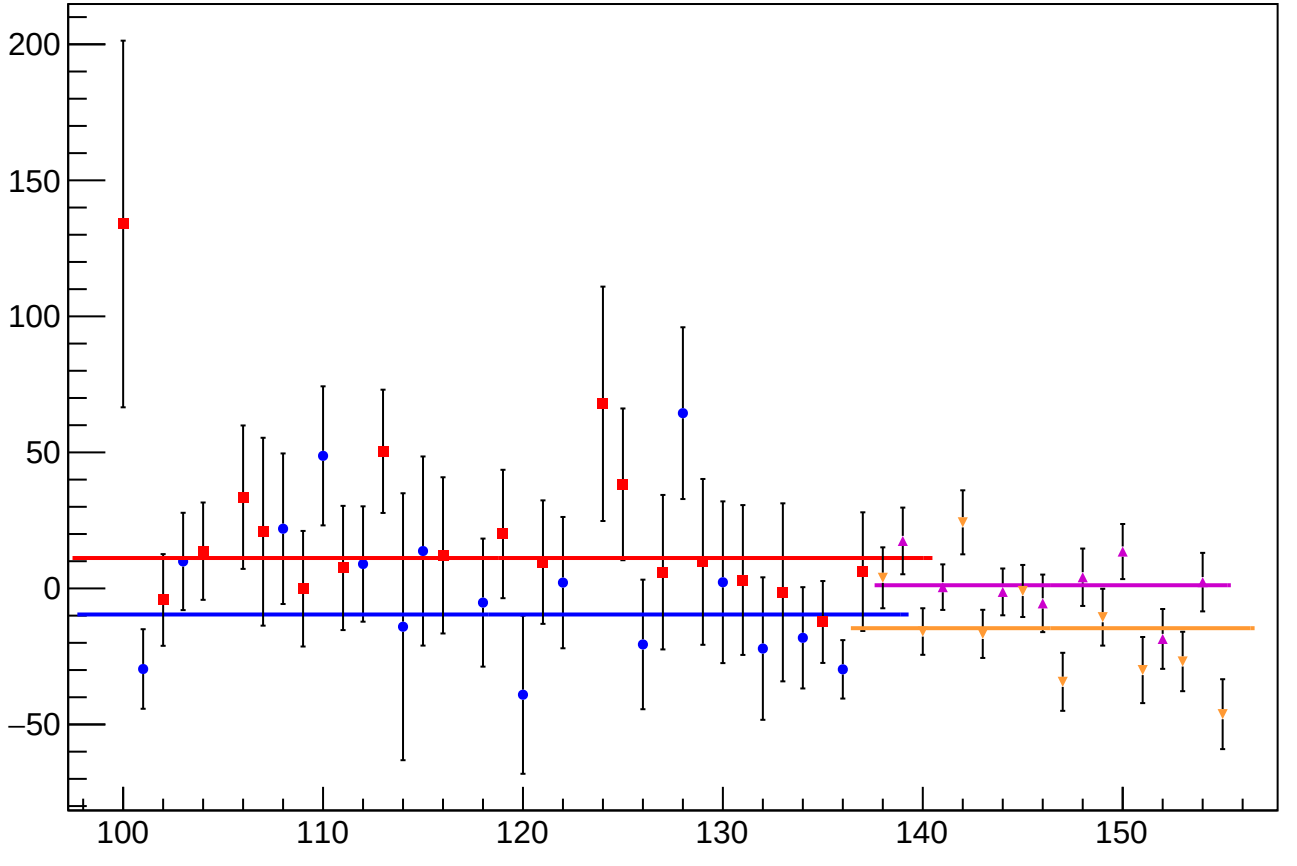
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.011+/-0.000 χ^2/NDF:2493666.7/23

Out: 0.010+/-0.000 χ^2/NDF:3270718.2/28

All: 0.010+/-0.000 χ^2/NDF: 5770104.9/52

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -14.617+/-3.302 χ^2/NDF:28.3/9

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 1.169+/-3.557 χ^2/NDF:7.1/7

Left: -7.309+/-2.420 χ^2/NDF: 45.9/17

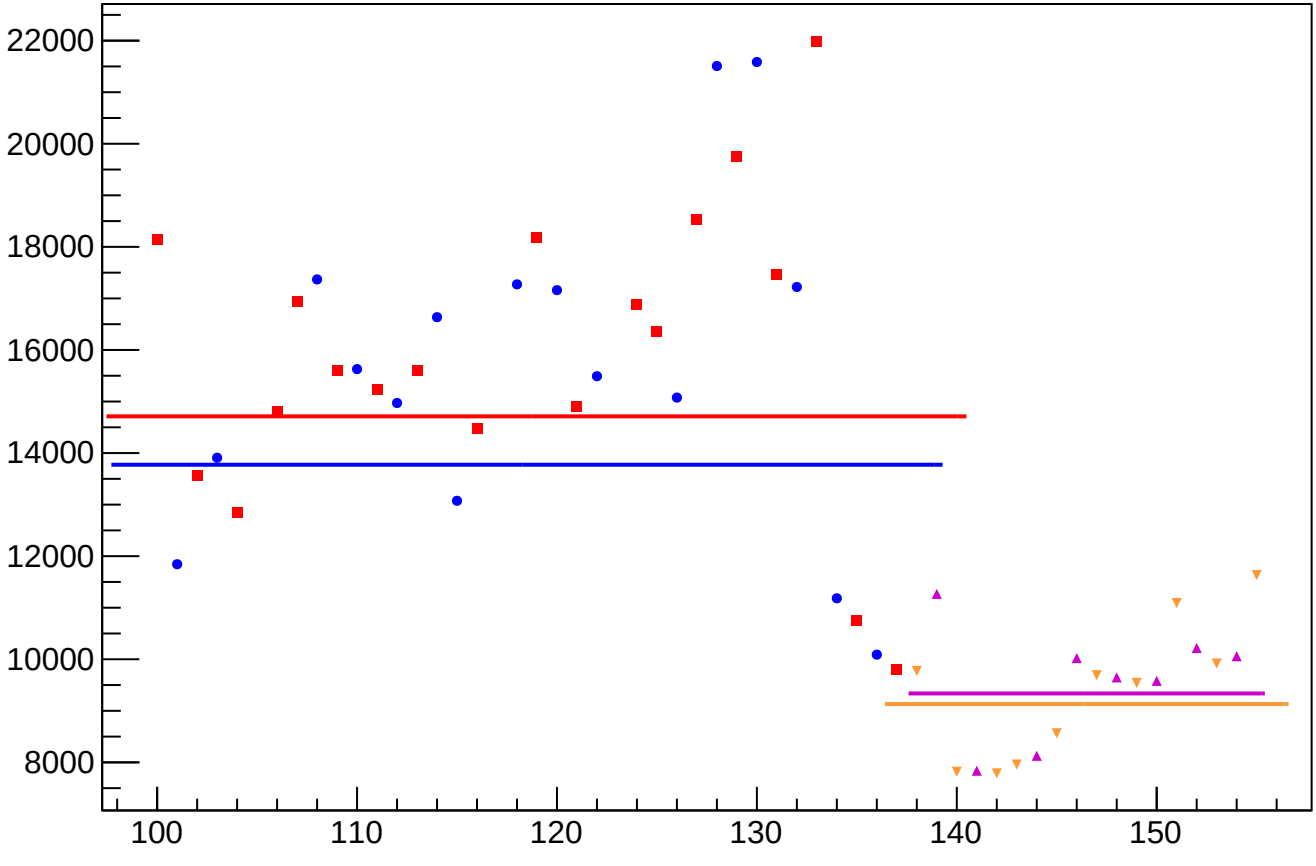
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -2.177+/-2.952 χ^2/NDF:31.8/23

Out: -7.777+/-2.831 χ^2/NDF:58.3/28

All: -5.094+/-2.043 χ^2/NDF: 92.0/52

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9131.280+/-2.335 χ^2/NDF:268767.4/9

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9336.987+/-2.515 χ^2/NDF:186559.6/7

Left: 9226.509+/-1.711 χ^2/NDF: 458919.9/17

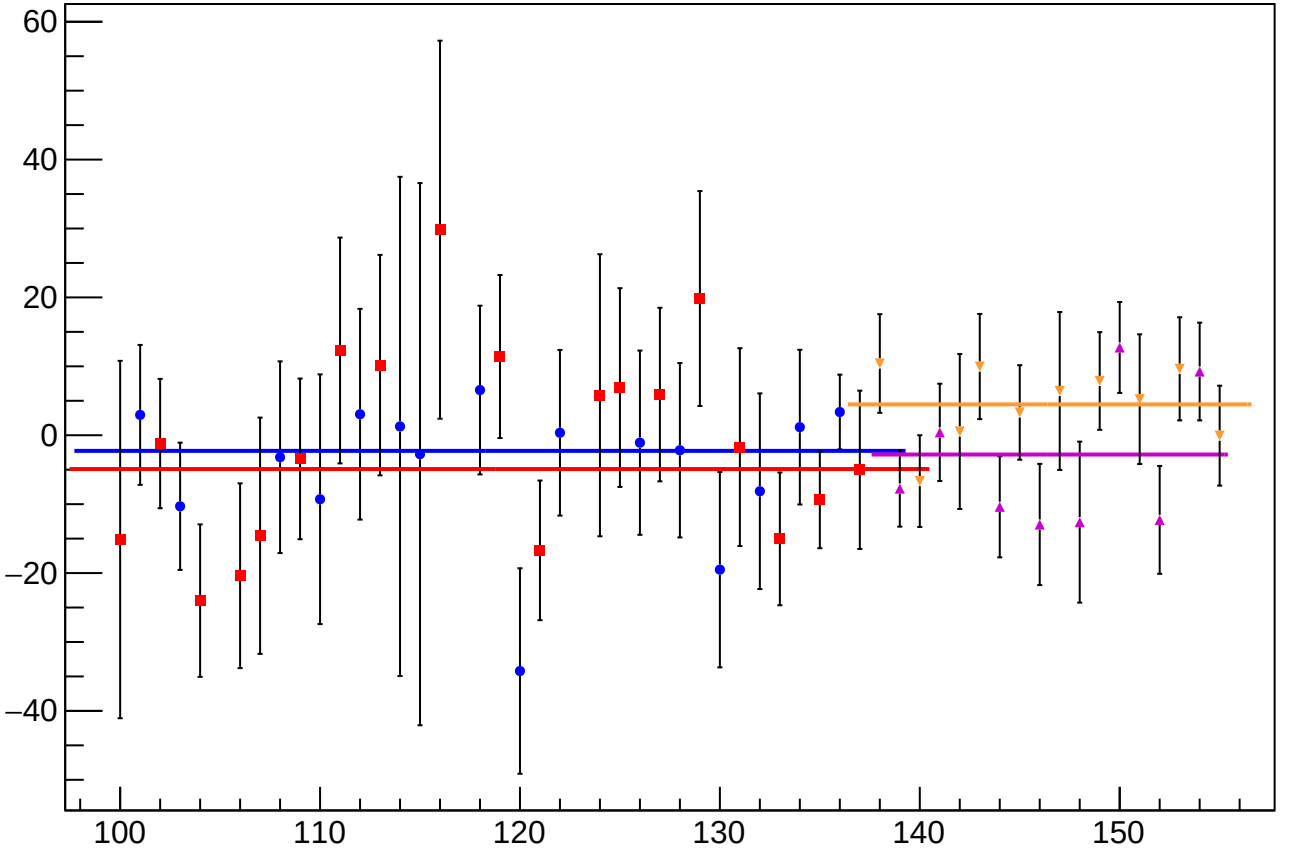
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 10718.076+/-2.087 χ^2/NDF:1902896.5/23

Out: 10611.166+/-2.002 χ^2/NDF:2340860.4/28

All: 10662.384+/-1.445 χ^2/NDF: 4245123.6/5

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.475+/-2.469 χ^2/NDF:5.3/9

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -2.798+/-2.574 χ^2/NDF:14.0/7

Left: 0.991+/-1.782 χ^2/NDF: 23.5/17

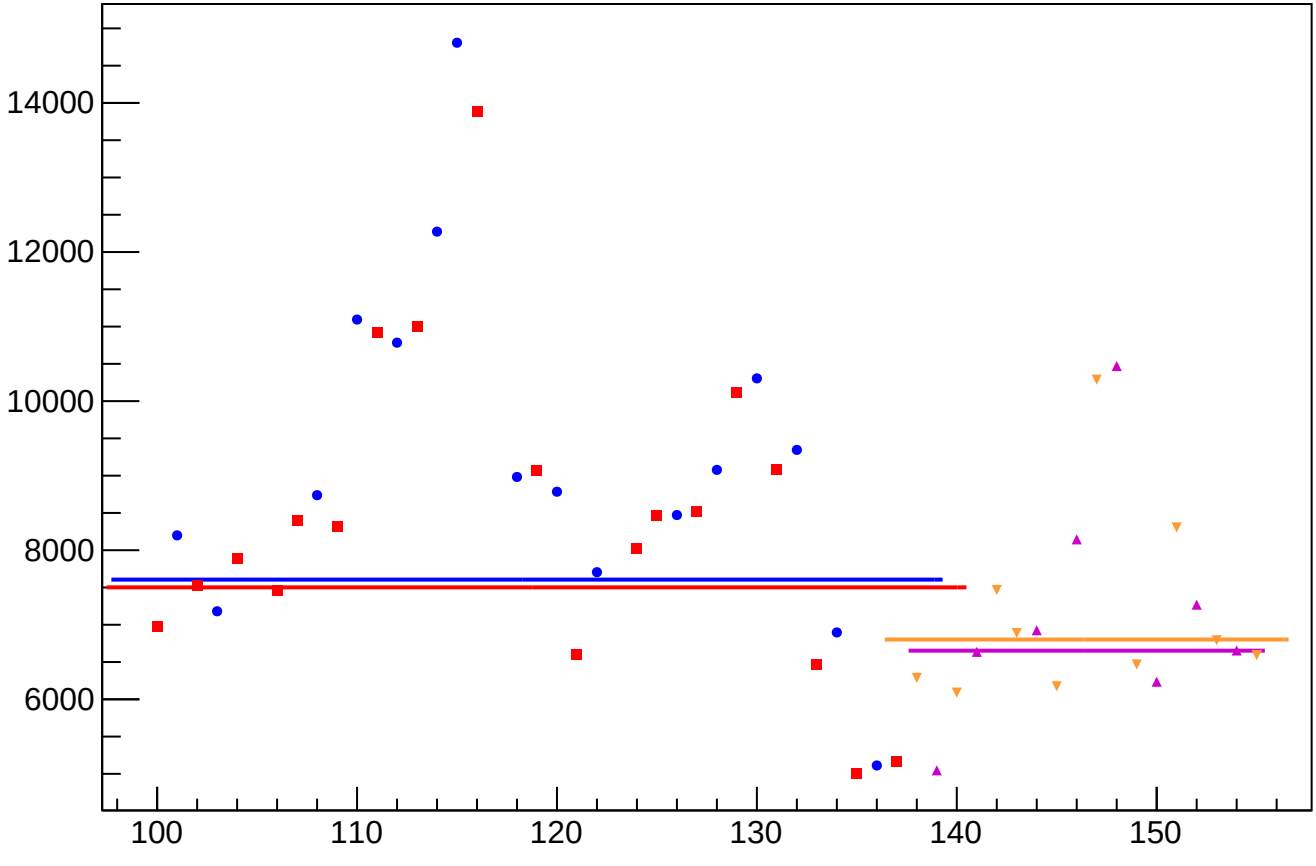
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -2.566+/-1.932 χ^2/NDF:23.3/23

Out: 0.432+/-1.862 χ^2/NDF:29.1/28

All: -1.012+/-1.341 χ^2/NDF: 53.7/52

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6801.906+/-1.746 χ^2/NDF:299623.6/9

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6652.380+/-1.820 χ^2/NDF:463624.2/7

Left: 6730.283+/-1.260 χ^2/NDF: 766762.8/17

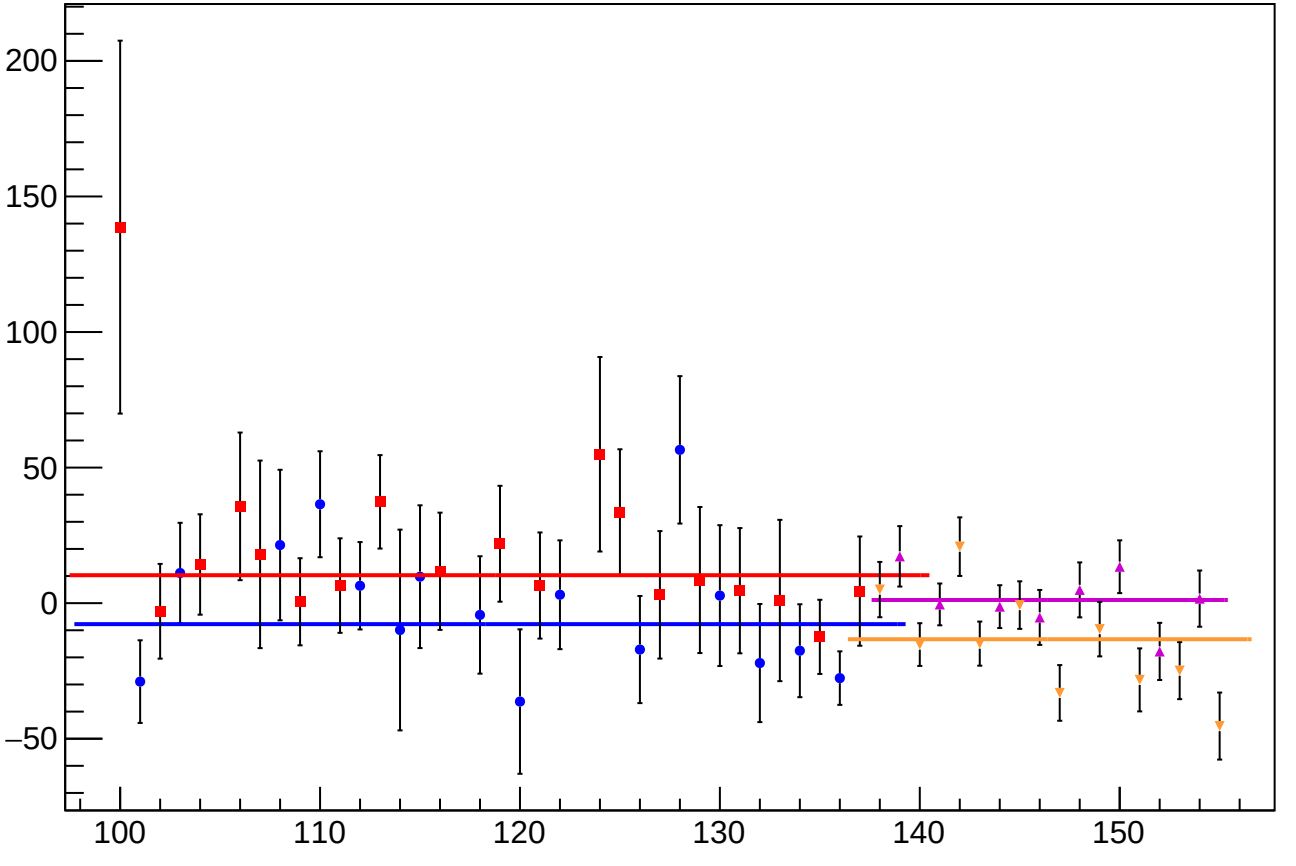
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 7068.993+/-1.366 χ^2/NDF:1474967.2/23

Out: 7103.486+/-1.317 χ^2/NDF:1192431.1/28

All: 7086.873+/-0.948 χ^2/NDF: 2667729.0/52

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -13.312+/-3.089 χ^2/NDF:28.8/9

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 1.166+/-3.348 χ^2/NDF:7.6/7

Left: -6.653+/-2.270 χ^2/NDF: 46.5/17

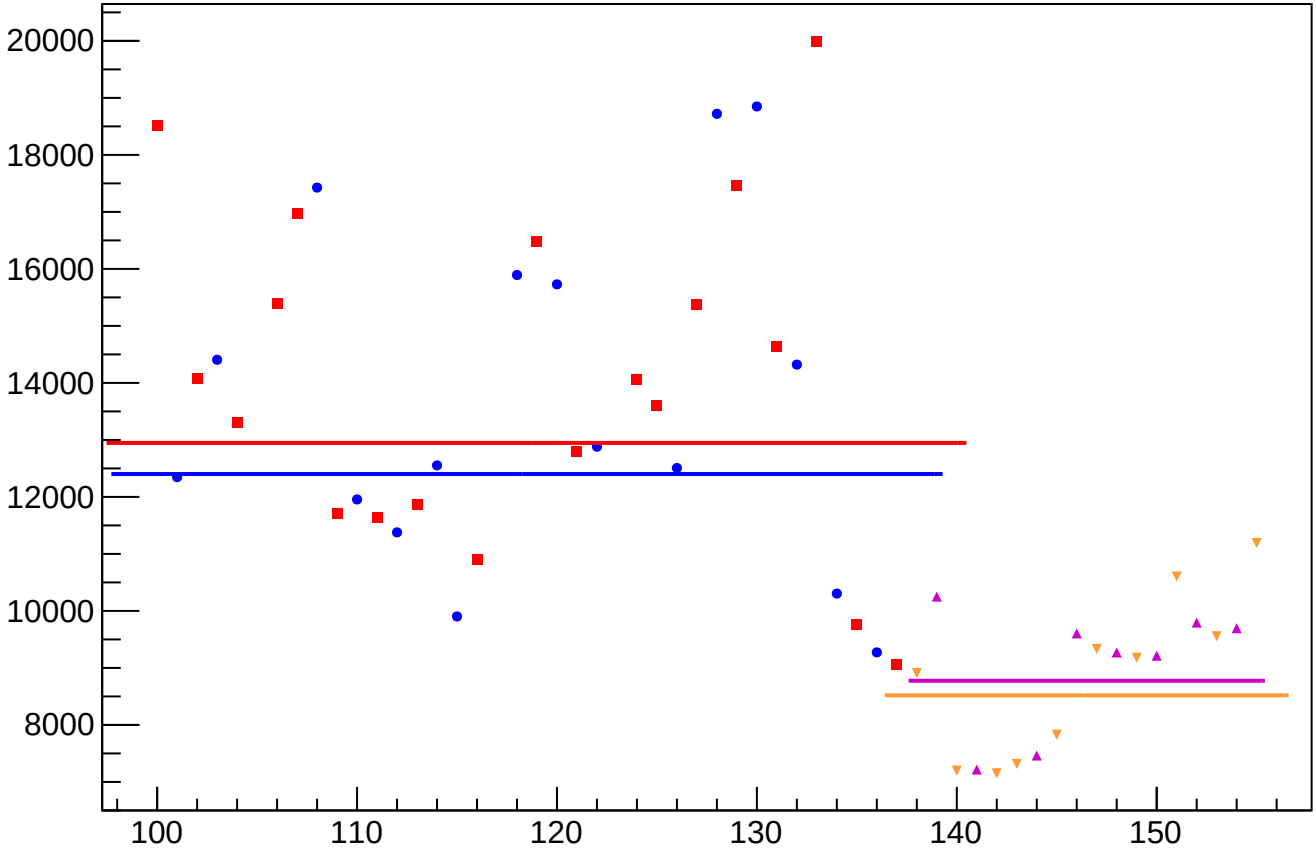
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -1.791+/-2.736 χ^2/NDF:32.6/23

Out: -6.474+/-2.604 χ^2/NDF:59.7/28

All: -4.248+/-1.886 χ^2/NDF: 93.8/52

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8519.805+/-2.185 χ^2/NDF:345912.4/9

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8775.136+/-2.367 χ^2/NDF:228717.3/7

Left: 8637.245+/-1.605 χ^2/NDF: 580913.1/17

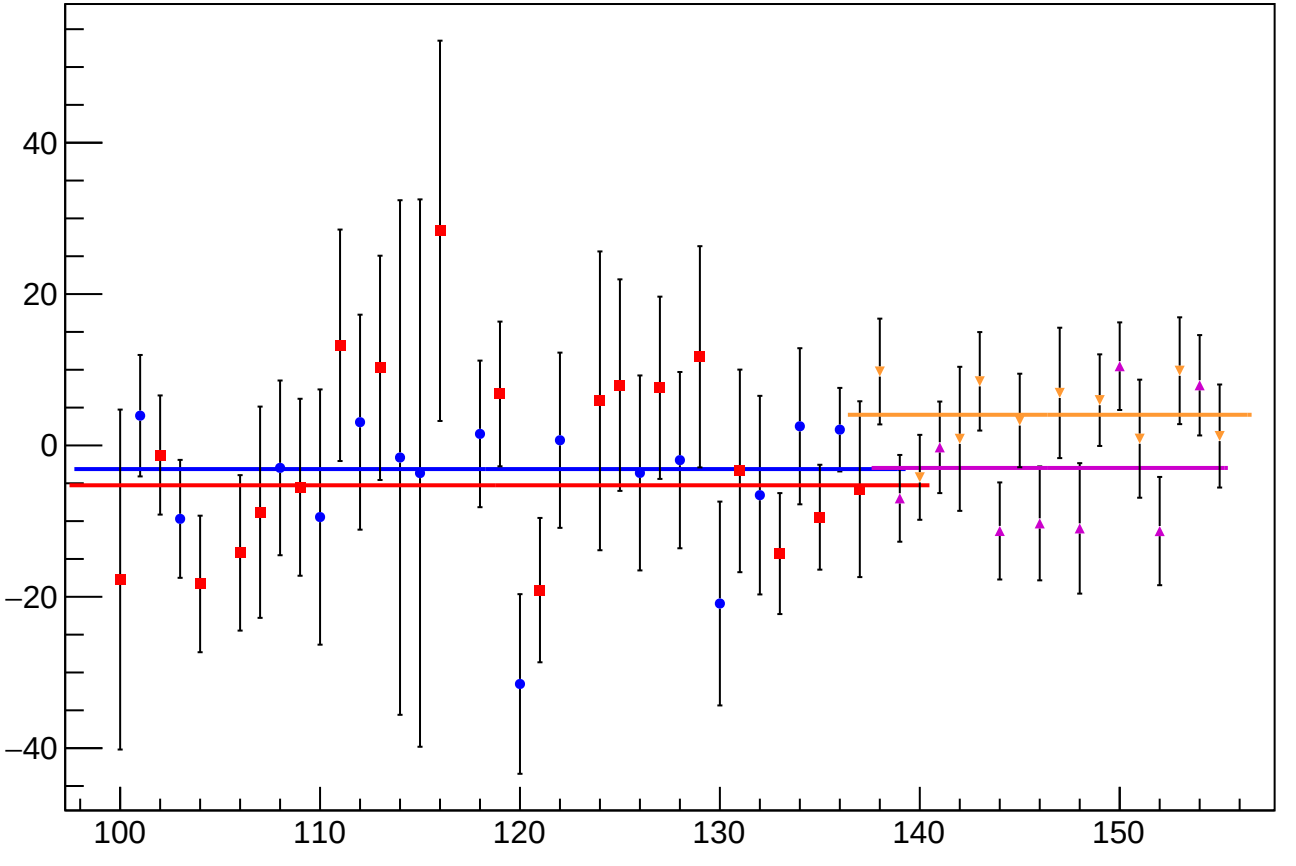
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9979.300+/-1.935 χ^2/NDF:1686392.7/23

Out: 9801.624+/-1.841 χ^2/NDF:2090303.4/28

All: 9886.076+/-1.334 χ^2/NDF: 3781121.6/52

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.052+/-2.172 χ^2/NDF:4.7/9

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -2.975+/-2.323 χ^2/NDF:13.7/7

Left: 0.774+/-1.587 χ^2/NDF: 23.2/17

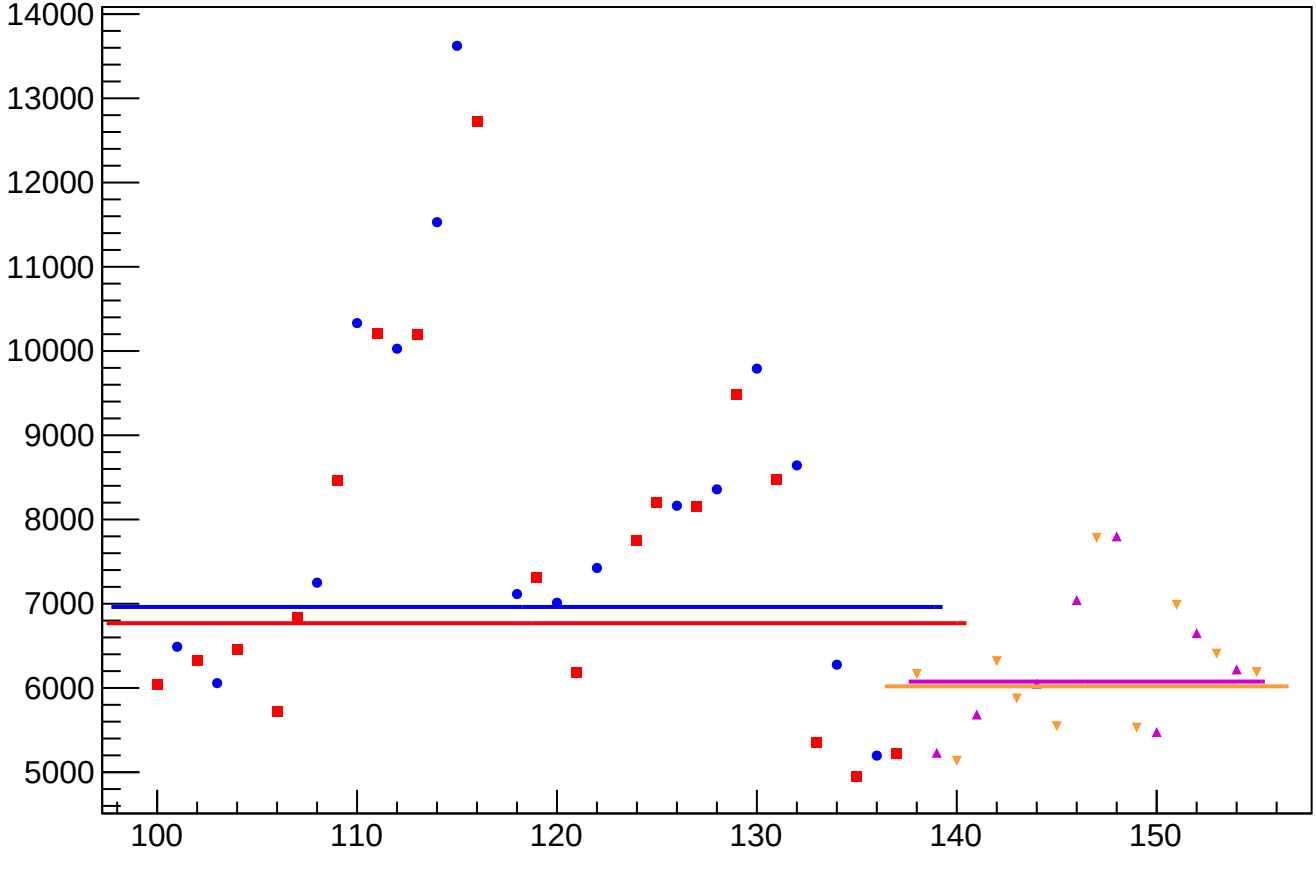
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -3.039+/-1.748 χ^2/NDF:24.6/23

Out: 0.140+/-1.654 χ^2/NDF:29.3/28

All: -1.362+/-1.202 χ^2/NDF: 55.6/52

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6019.227+/-1.536 χ^2/NDF:200117.0/9

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6076.105+/-1.643 χ^2/NDF:200265.7/7

Left: 6045.762+/-1.122 χ^2/NDF: 401022.5/17

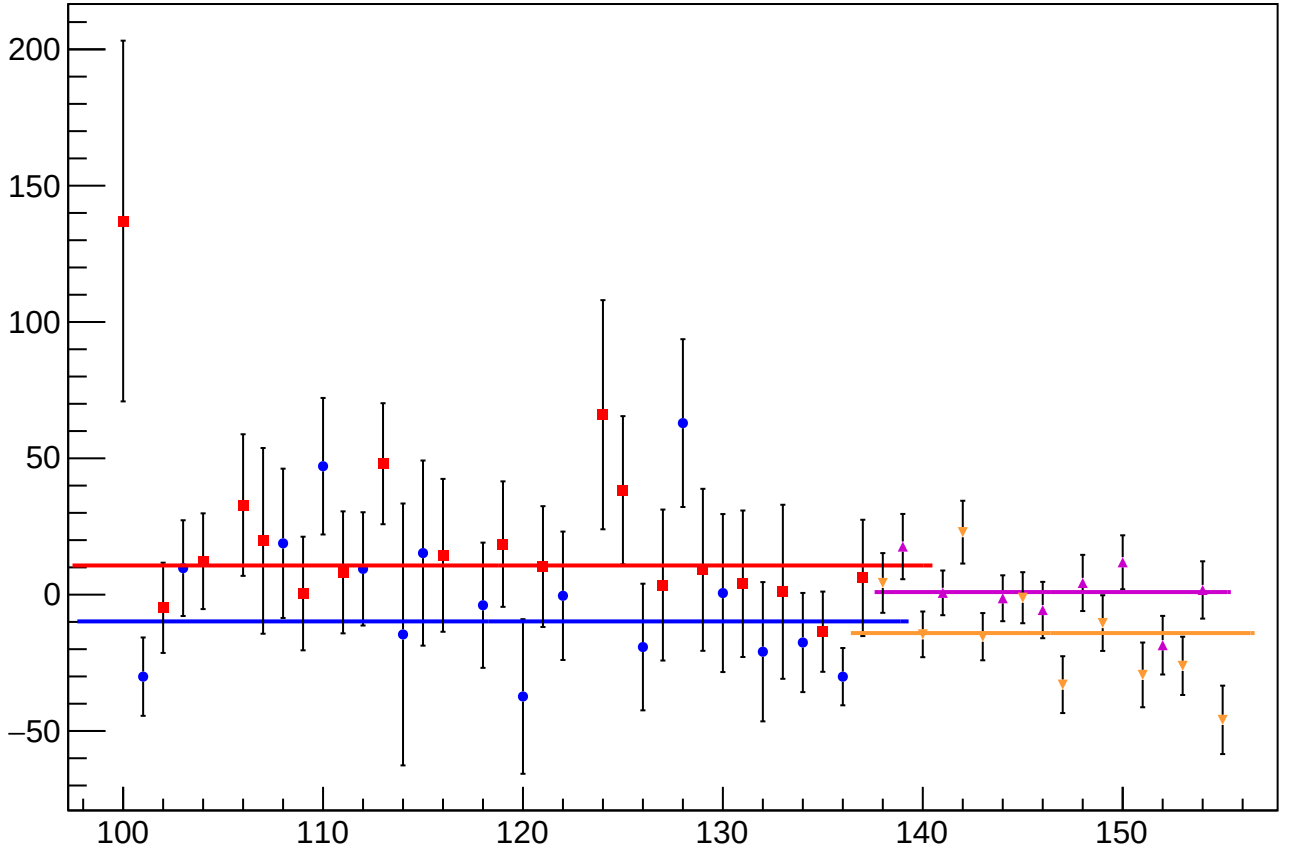
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6459.931+/-1.236 χ^2/NDF:1022653.8/23

Out: 6334.074+/-1.170 χ^2/NDF:1098278.6/28

All: 6393.528+/-0.850 χ^2/NDF: 2126400.0/52

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -14.087+/-3.230 χ^2/NDF:27.9/9

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 0.947+/-3.478 χ^2/NDF:7.0/7

Left: -7.125+/-2.367 χ^2/NDF: 44.9/17

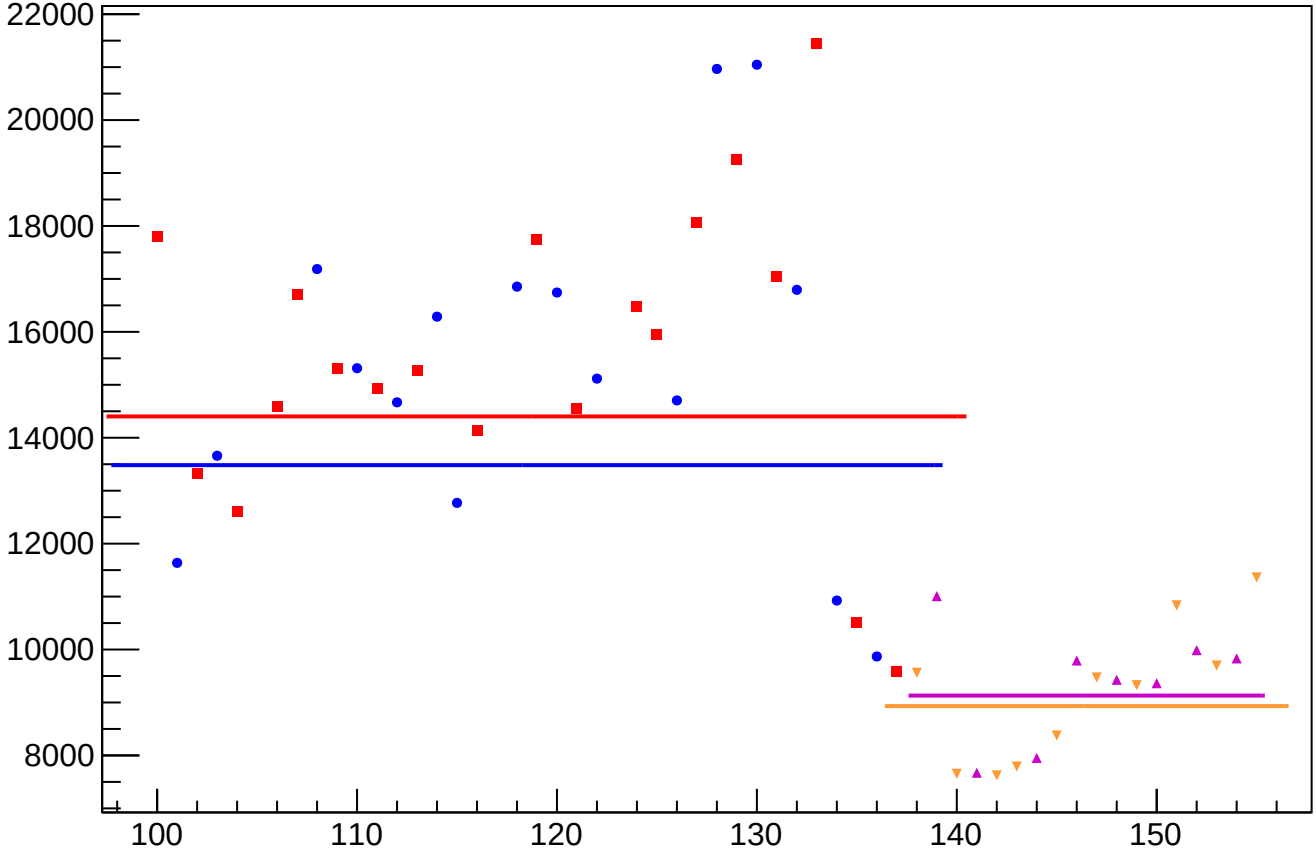
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -2.397+/-2.887 χ^2/NDF:32.1/23

Out: -7.521+/-2.769 χ^2/NDF:57.8/28

All: -5.066+/-1.998 χ^2/NDF: 91.5/52

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8931.915+/-2.284 χ^2/NDF:265882.7/9

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 9130.304+/-2.459 χ^2/NDF:184263.1/7

Left: 9023.783+/-1.673 χ^2/NDF: 453640.5/17

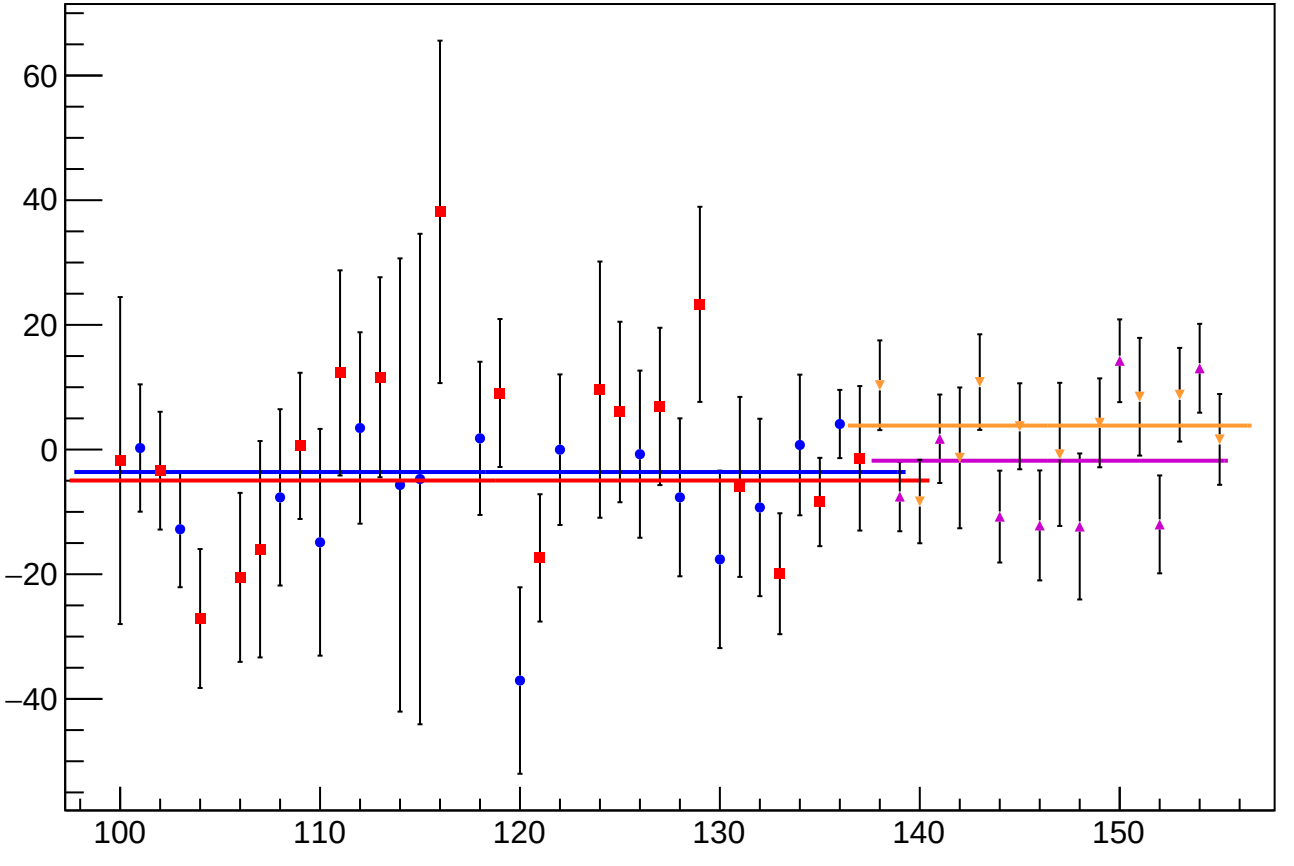
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 10483.304+/-2.041 χ^2/NDF:1901839.6/23

Out: 10380.881+/-1.958 χ^2/NDF:2338292.0/28

All: 10429.958+/-1.413 χ^2/NDF: 4241442.7/5

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.846+/-2.480 χ^2/NDF:6.1/9

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -1.790+/-2.588 χ^2/NDF:16.8/7

Left: 1.148+/-1.791 χ^2/NDF: 25.4/17

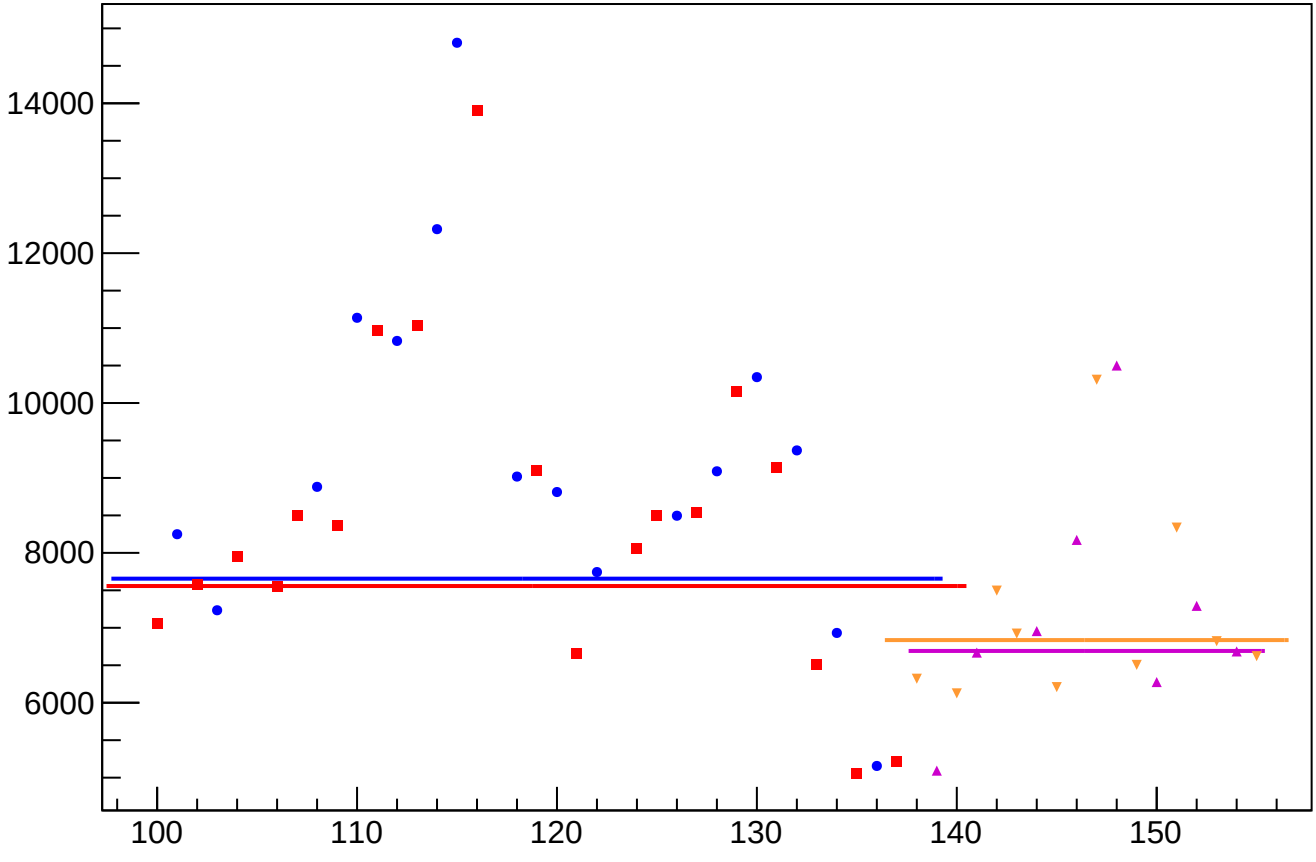
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -2.583+/-1.943 χ^2/NDF:27.5/23

Out: 0.056+/-1.873 χ^2/NDF:32.9/28

All: -1.215+/-1.348 χ^2/NDF: 61.4/52

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6835.970+/-1.754 χ^2/NDF:296343.6/9

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6691.069+/-1.830 χ^2/NDF:454710.9/7

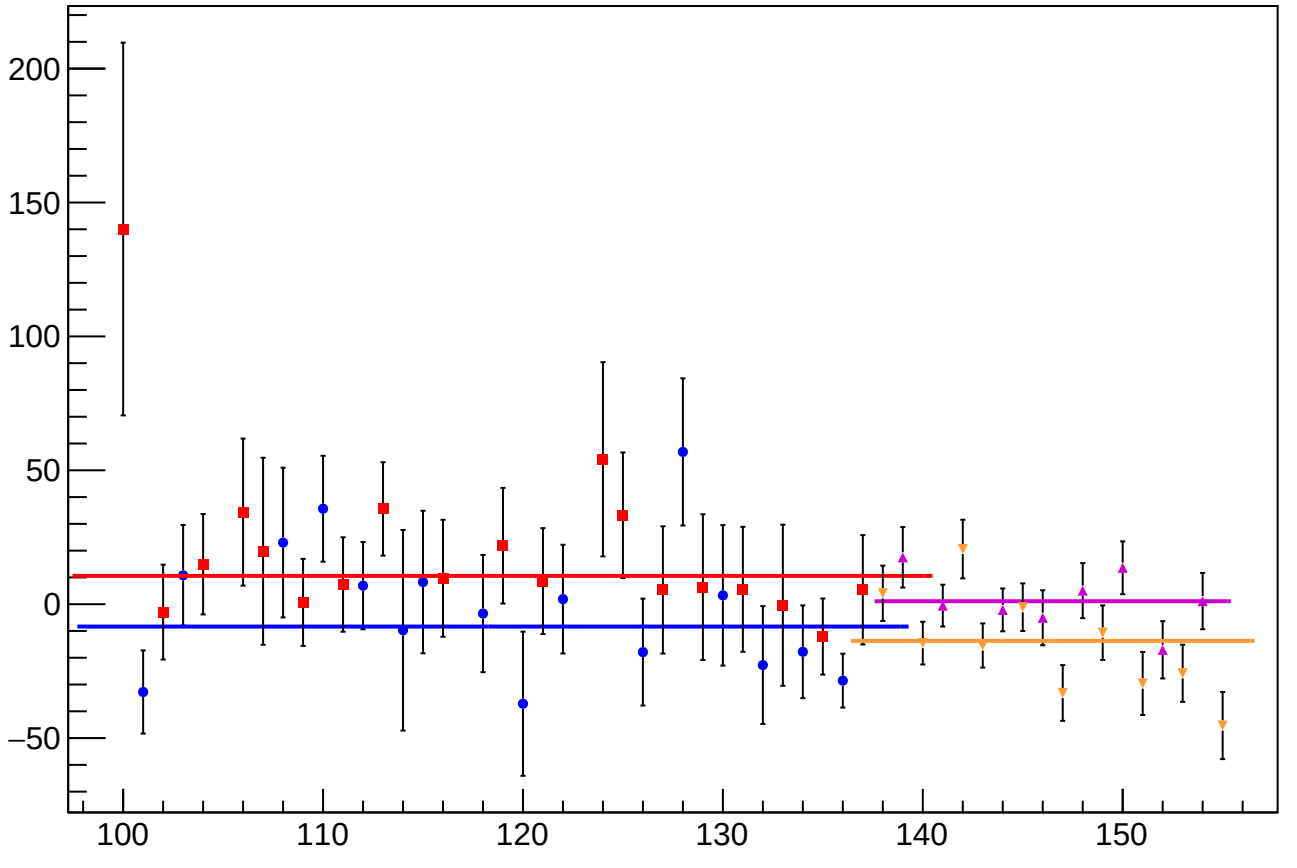
Left: 6766.604+/-1.266 χ^2/NDF: 754322.1/17

Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

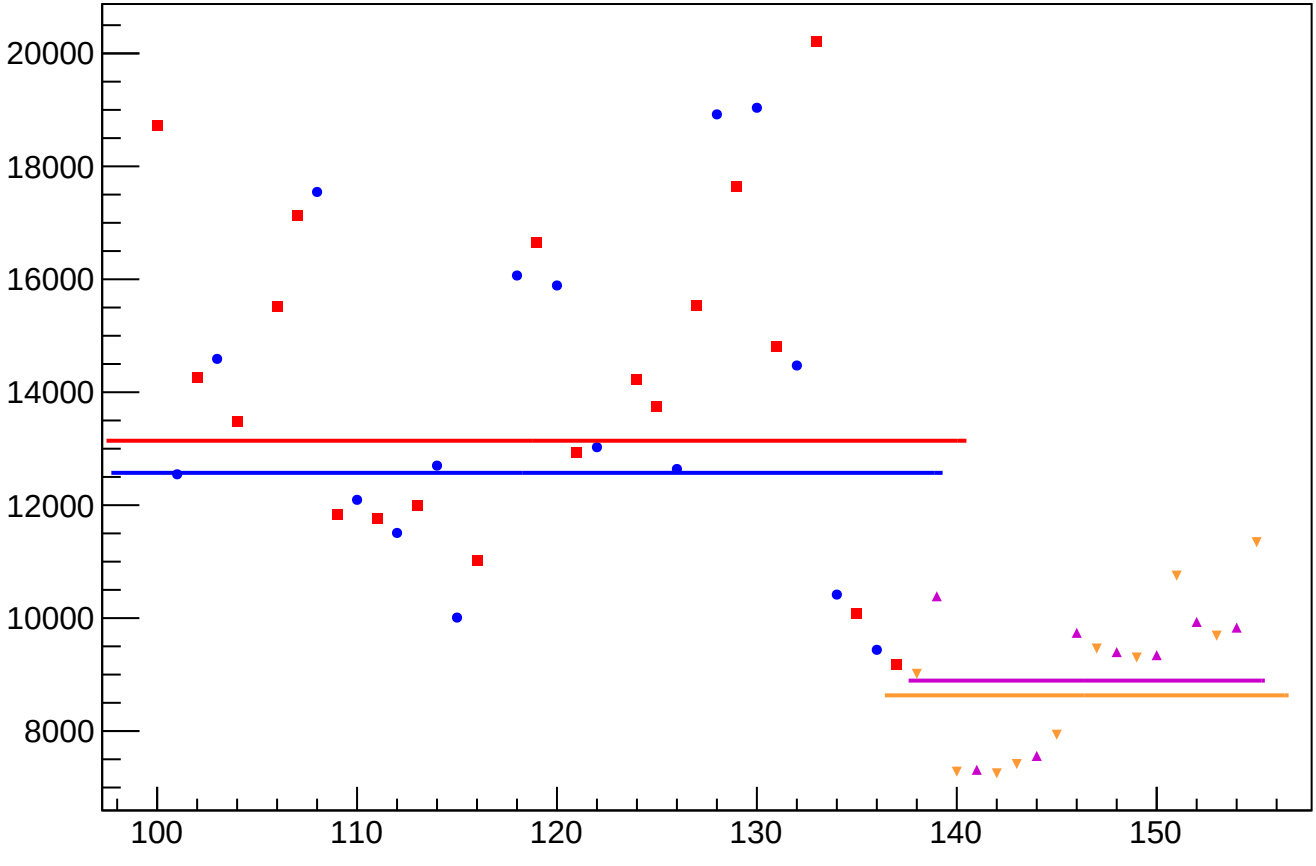
In: 7112.330+/-1.374 χ^2/NDF:1455818.6/23

Out: 7146.259+/-1.324 χ^2/NDF:1178987.6/28

All: 7129.918+/-0.953 χ^2/NDF: 2635122.5/52


diff_bpm4ecX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
Right In: -8.352+/-4.814 χ²/NDF: 23.2/15
Left Out: -13.697+/-3.130 χ²/NDF:27.9/9
Right Out: 10.573+/-4.911 χ²/NDF: 12.9/18
Left In: 1.105+/-3.393 χ²/NDF:7.3/7
Left: -6.890+/-2.301 χ²/NDF: 45.5/17
Right: 0.922+/-3.438 χ²/NDF: 43.7/34
In: -2.033+/-2.773 χ²/NDF:33.1/23
Out: -6.685+/-2.640 χ²/NDF:58.1/28
All: -4.474+/-1.912 χ²/NDF: 92.8/52

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8632.195+/-2.213 χ^2/NDF:347376.7/9

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8893.508+/-2.399 χ^2/NDF:229760.6/7

Left: 8752.351+/-1.627 χ^2/NDF: 583545.6/17

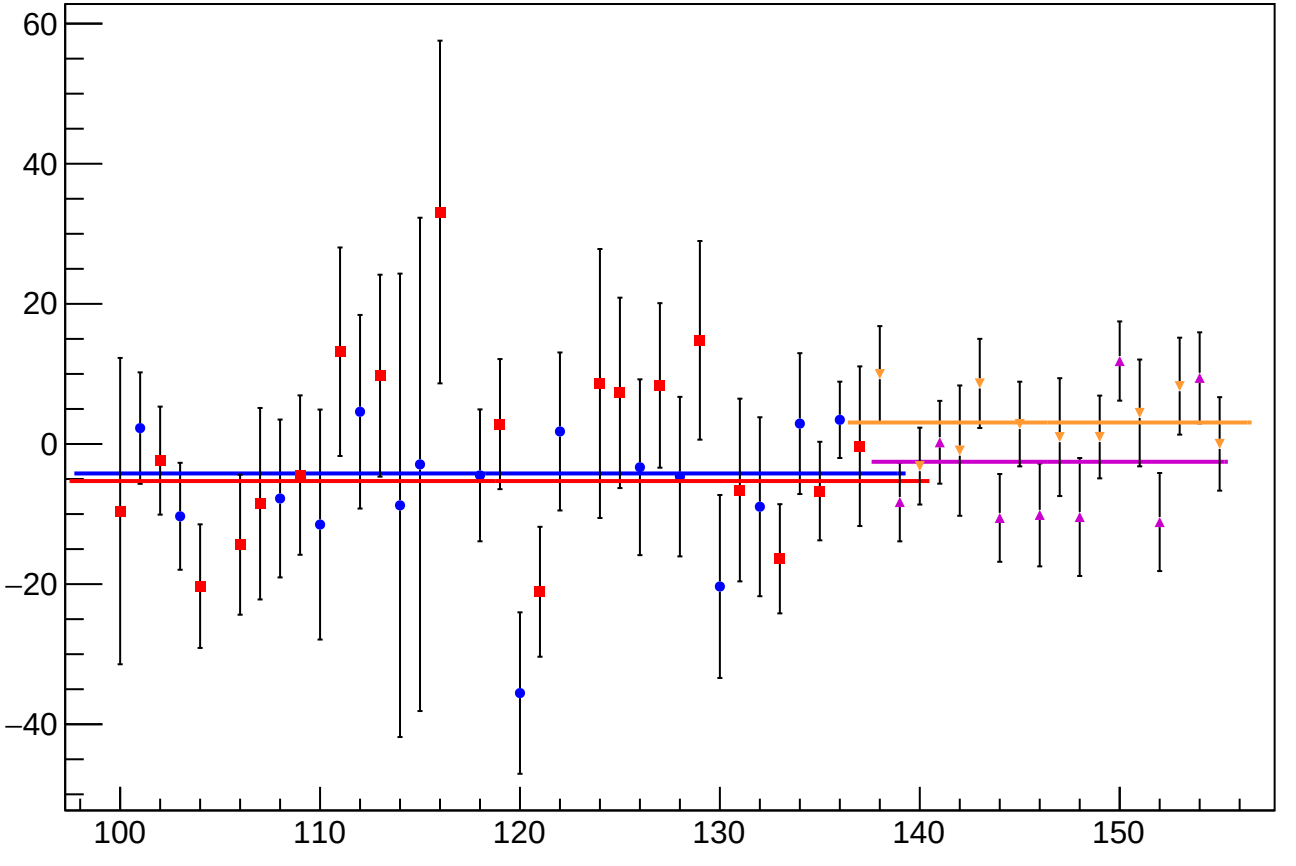
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 10114.624+/-1.961 χ^2/NDF:1675296.4/23

Out: 9934.963+/-1.867 χ^2/NDF:2081024.3/28

All: 10020.362+/-1.352 χ^2/NDF: 3760724.6/5

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.068+/-2.124 χ^2/NDF:4.2/9

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -2.539+/-2.271 χ^2/NDF:16.2/7

Left: 0.452+/-1.551 χ^2/NDF: 23.7/17

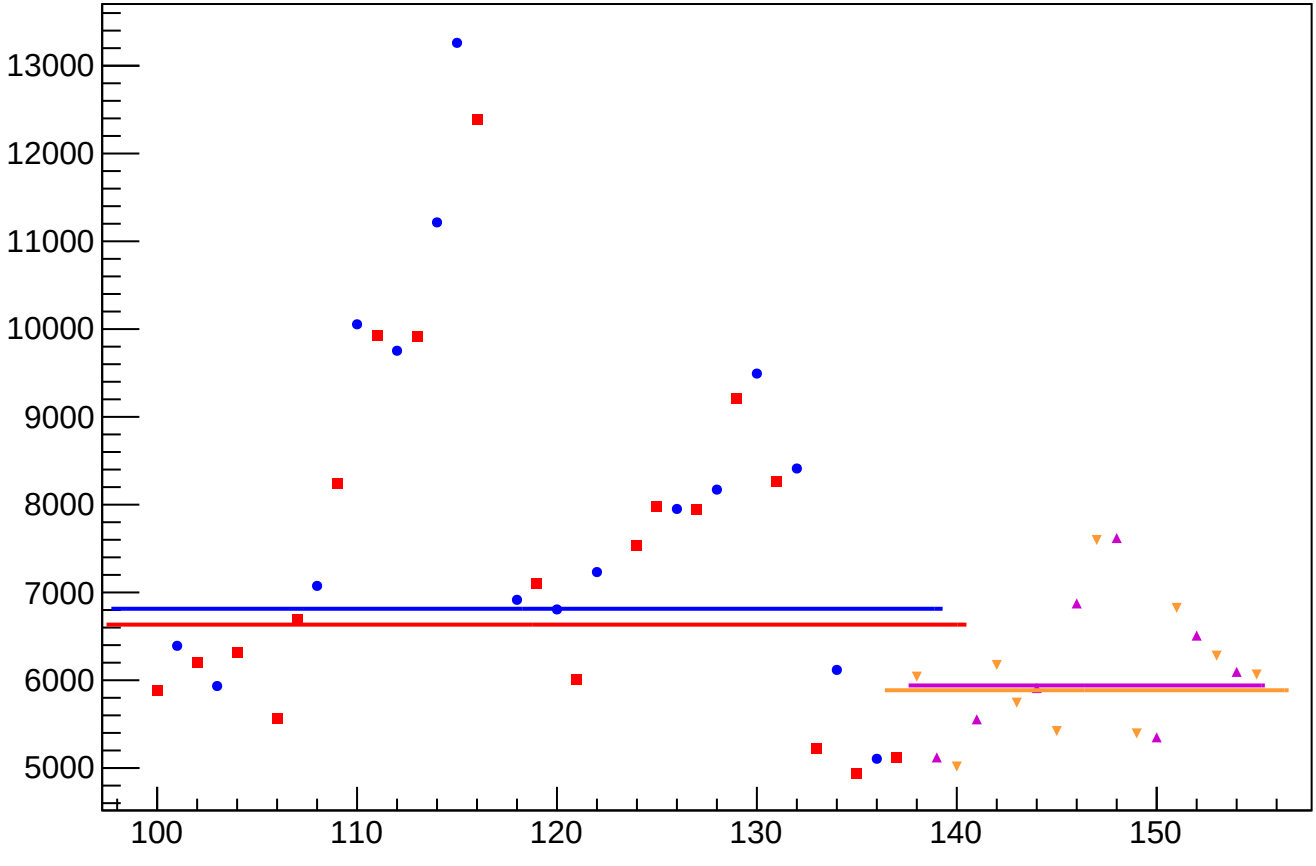
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -3.259+/-1.711 χ^2/NDF:30.3/23

Out: -0.432+/-1.619 χ^2/NDF:30.5/28

All: -1.768+/-1.176 χ^2/NDF: 62.2/52

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5885.962+/-1.502 χ^2/NDF:200969.1/9

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 5940.634+/-1.606 χ^2/NDF:199284.2/7

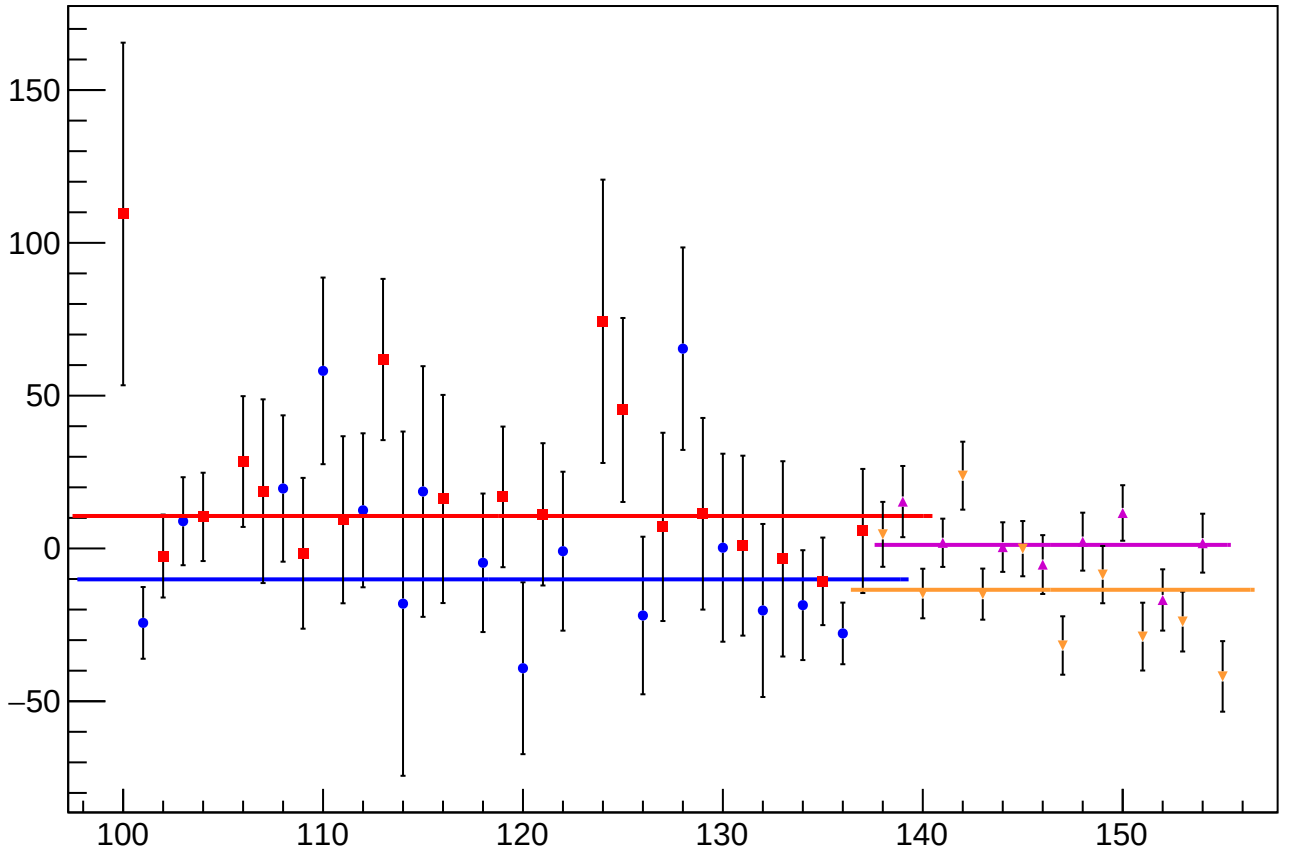
Left: 5911.473+/-1.097 χ^2/NDF: 400871.5/17

Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6318.670+/-1.210 χ^2/NDF:1001446.6/23

Out: 6199.166+/-1.145 χ^2/NDF:1068121.4/28

All: 6255.647+/-0.832 χ^2/NDF: 2074716.2/52



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -13.526+/-3.056 χ^2/NDF:29.4/9

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 1.169+/-3.273 χ^2/NDF:6.5/7

Left: -6.683+/-2.234 χ^2/NDF: 46.7/17

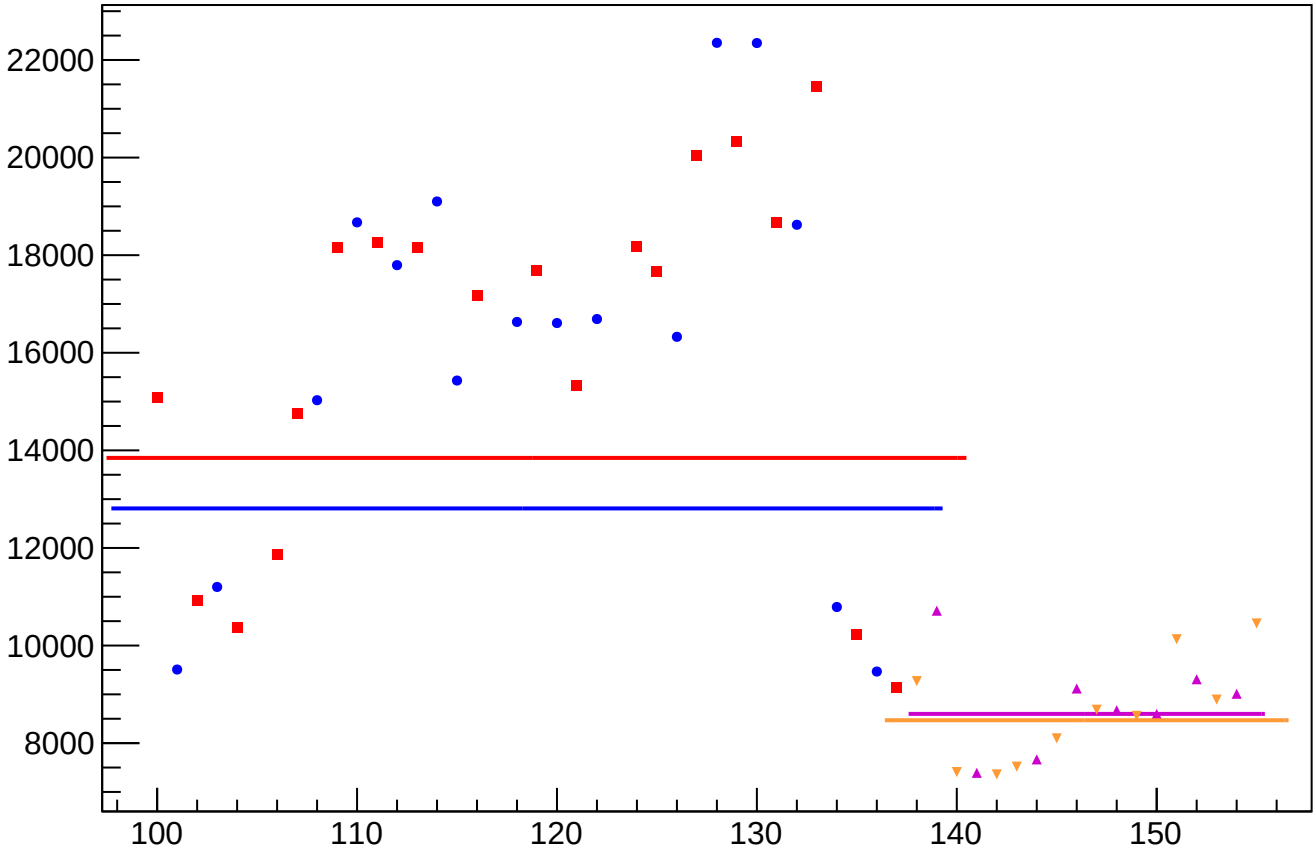
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -2.199+/-2.741 χ^2/NDF:31.3/23

Out: -7.461+/-2.644 χ^2/NDF:59.9/28

All: -4.925+/-1.903 χ^2/NDF: 93.1/52

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8469.091+/-2.161 χ^2/NDF:203577.3/9

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8599.508+/-2.314 χ^2/NDF:158741.8/7

Left: 8529.824+/-1.579 χ^2/NDF: 364015.7/17

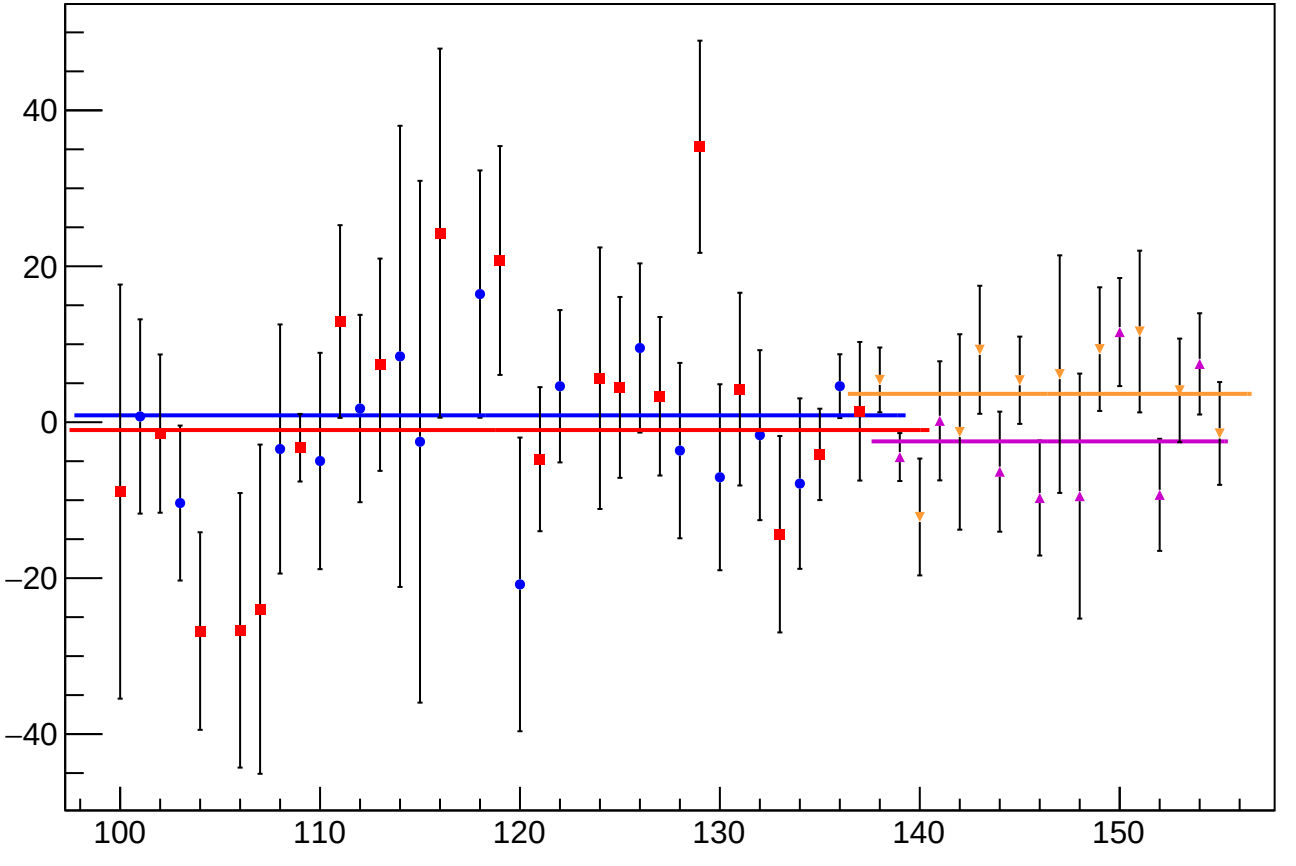
Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9856.508+/-1.938 χ^2/NDF:2395005.3/23

Out: 9819.323+/-1.870 χ^2/NDF:2855086.0/28

All: 9837.246+/-1.346 χ^2/NDF: 5250282.0/52

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 3.639+/-2.214 χ^2/NDF:7.1/9

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -2.458+/-2.102 χ^2/NDF:9.3/7

Left: 0.433+/-1.524 χ^2/NDF: 20.4/17

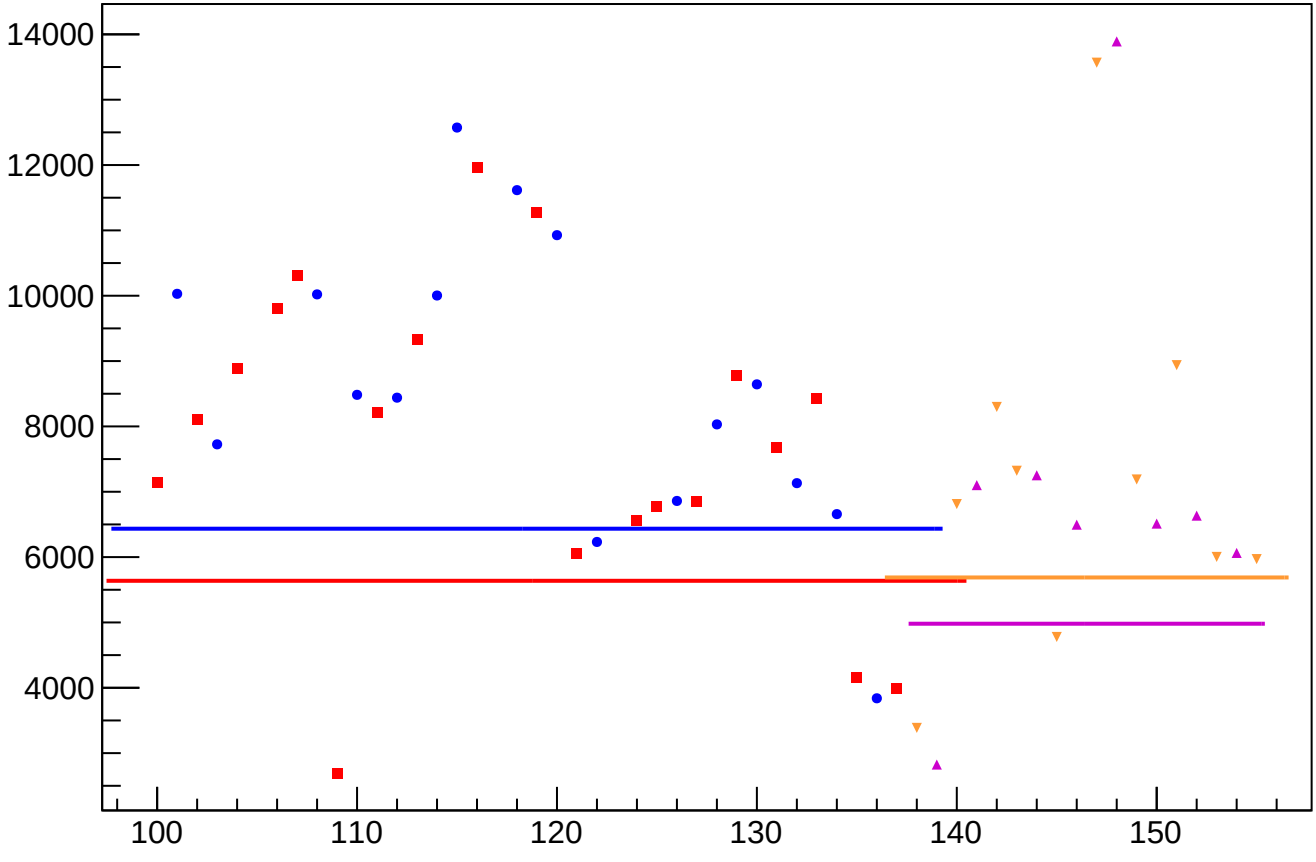
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -1.117+/-1.626 χ^2/NDF:17.1/23

Out: 1.419+/-1.600 χ^2/NDF:31.5/28

All: 0.172+/-1.140 χ^2/NDF: 49.9/52

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5688.340+/-1.565 χ^2/NDF:1688566.7/9

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 4980.372+/-1.487 χ^2/NDF:2299707.8/7

Left: 5316.108+/-1.078 χ^2/NDF: 4095832.8/17

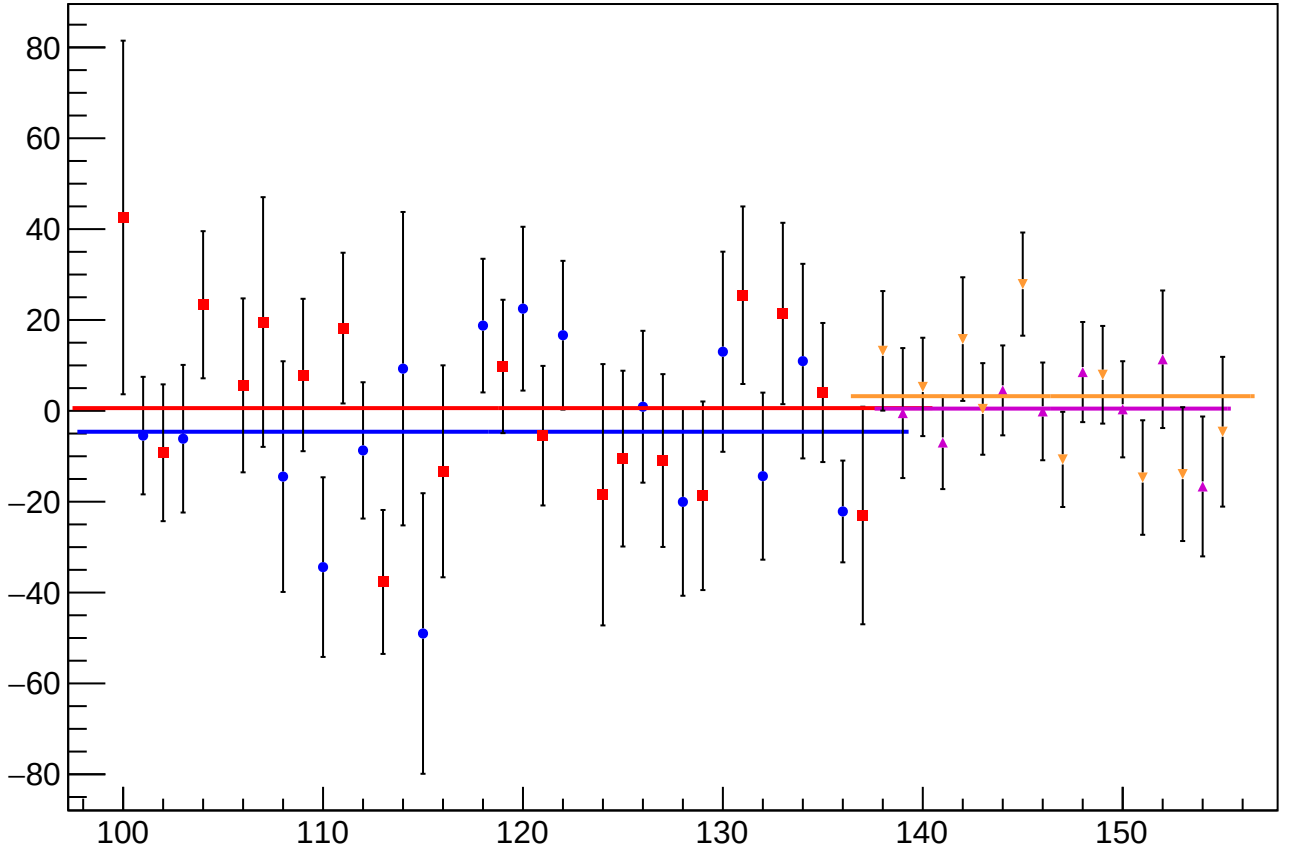
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5564.420+/-1.150 χ^2/NDF:4434644.5/23

Out: 5663.970+/-1.131 χ^2/NDF:4269087.5/28

All: 5615.019+/-0.806 χ^2/NDF: 8707541.3/52

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 3.227+/-3.789 χ^2/NDF:11.8/9

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 0.492+/-4.118 χ^2/NDF:3.0/7

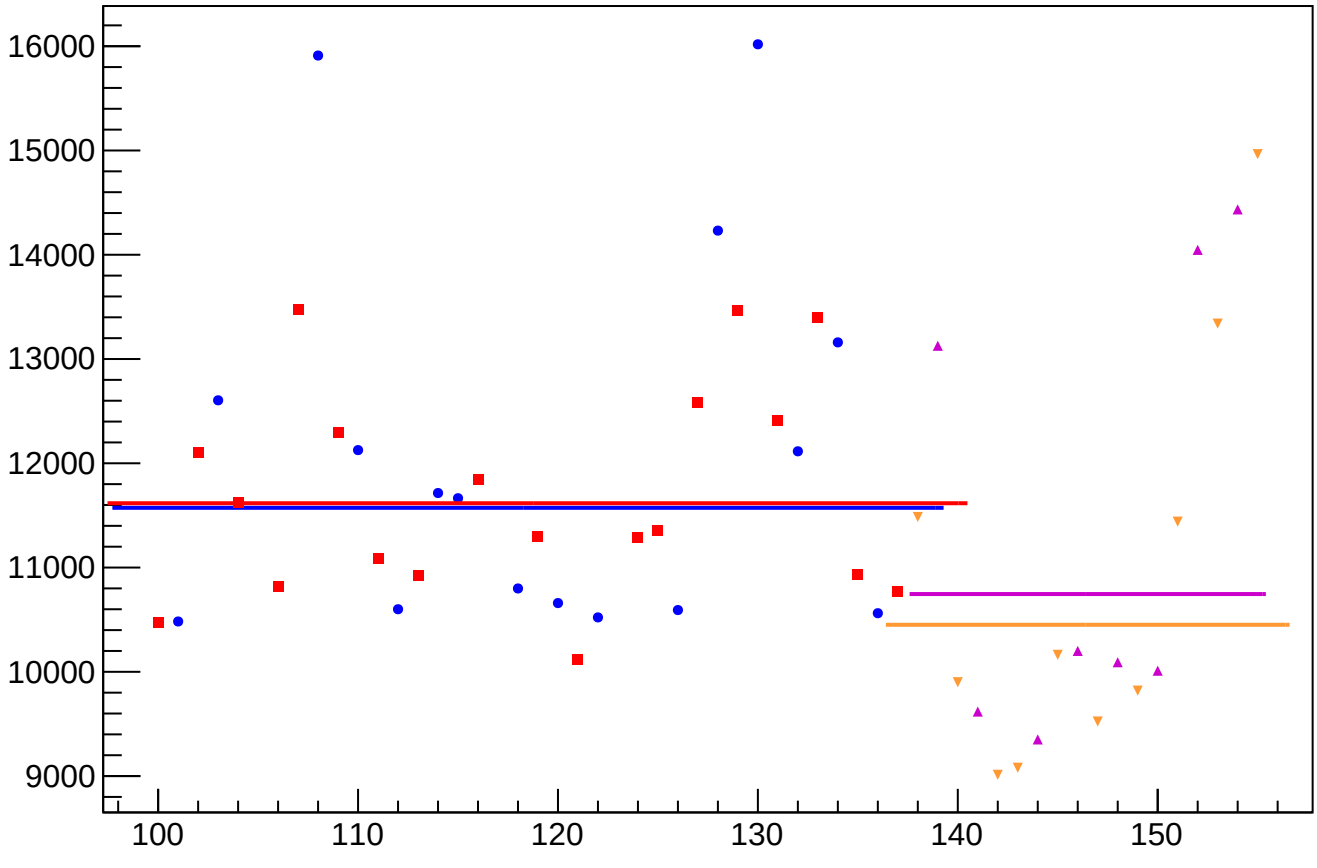
Left: 1.973+/-2.788 χ^2/NDF: 15.0/17

Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -1.912+/-2.992 χ^2/NDF:19.5/23

Out: 2.069+/-2.833 χ^2/NDF:29.9/28

All: 0.187+/-2.057 χ^2/NDF: 50.3/52



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 10451.107+/-2.679 χ^2/NDF:339935.7/9

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 10745.888+/-2.912 χ^2/NDF:351025.3/7

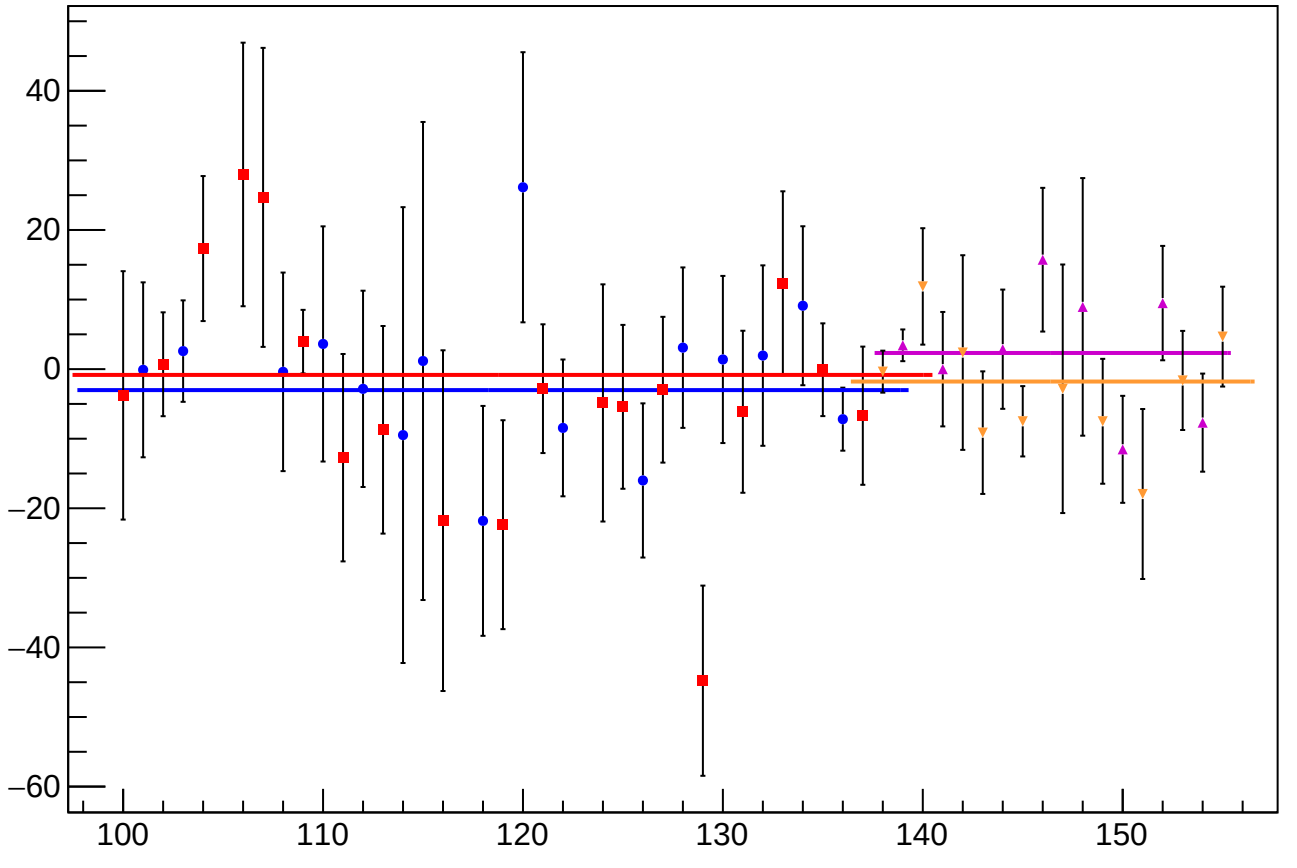
Left: 10586.276+/-1.972 χ^2/NDF: 696511.4/17

Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11136.341+/-2.116 χ^2/NDF:649192.7/23

Out: 10965.111+/-2.003 χ^2/NDF:516562.4/28

All: 11046.063+/-1.455 χ^2/NDF: 1169209.0/5



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -1.782+/-2.030 χ^2/NDF:7.9/9

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 2.322+/-1.874 χ^2/NDF:8.2/7

Left: 0.434+/-1.377 χ^2/NDF: 18.3/17

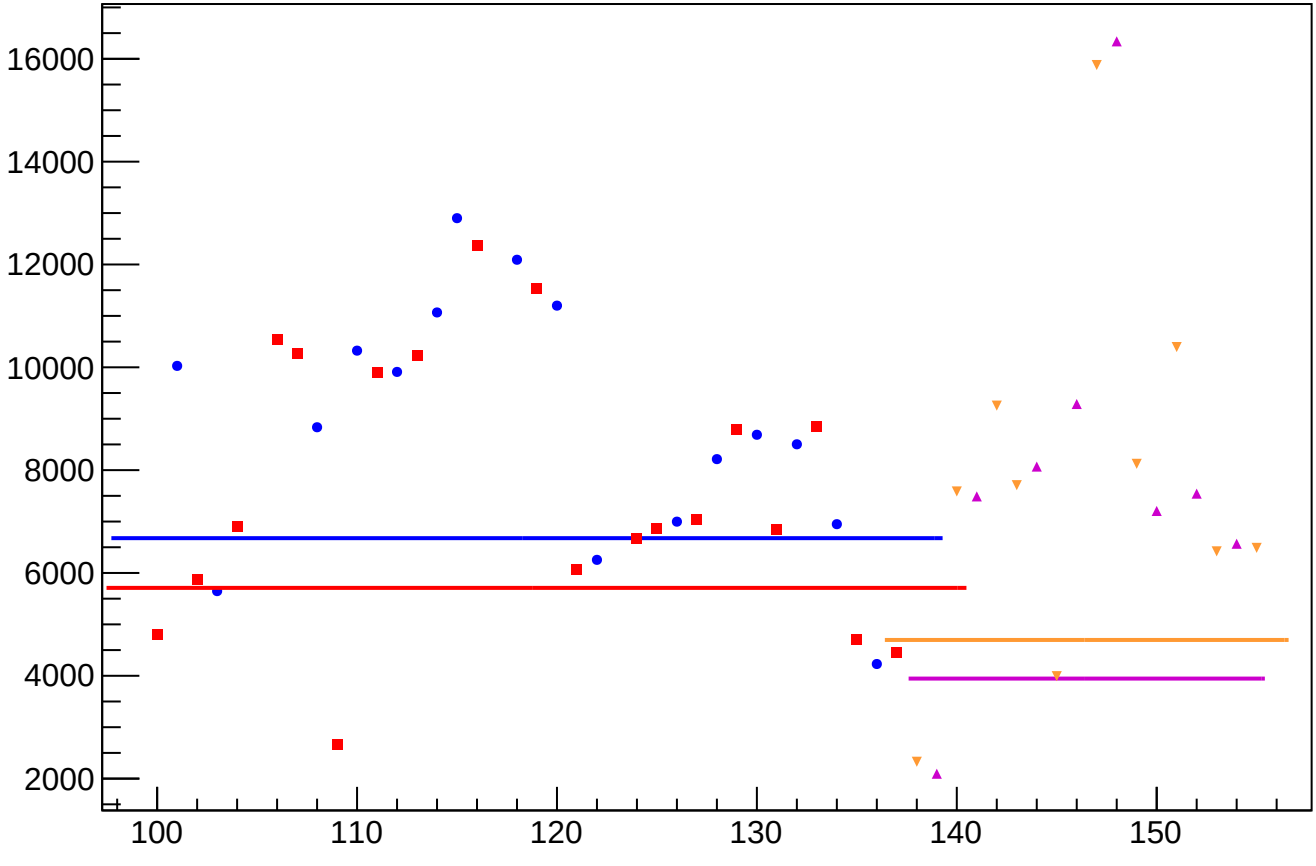
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.547+/-1.531 χ^2/NDF:19.5/23

Out: -1.376+/-1.537 χ^2/NDF:31.8/28

All: -0.411+/-1.084 χ^2/NDF: 52.1/52

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 4697.018+/-1.435 χ^2/NDF:3707680.0/9

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 3945.697+/-1.325 χ^2/NDF:4602414.1/7

Left: 4291.281+/-0.974 χ^2/NDF: 8458028.1/17

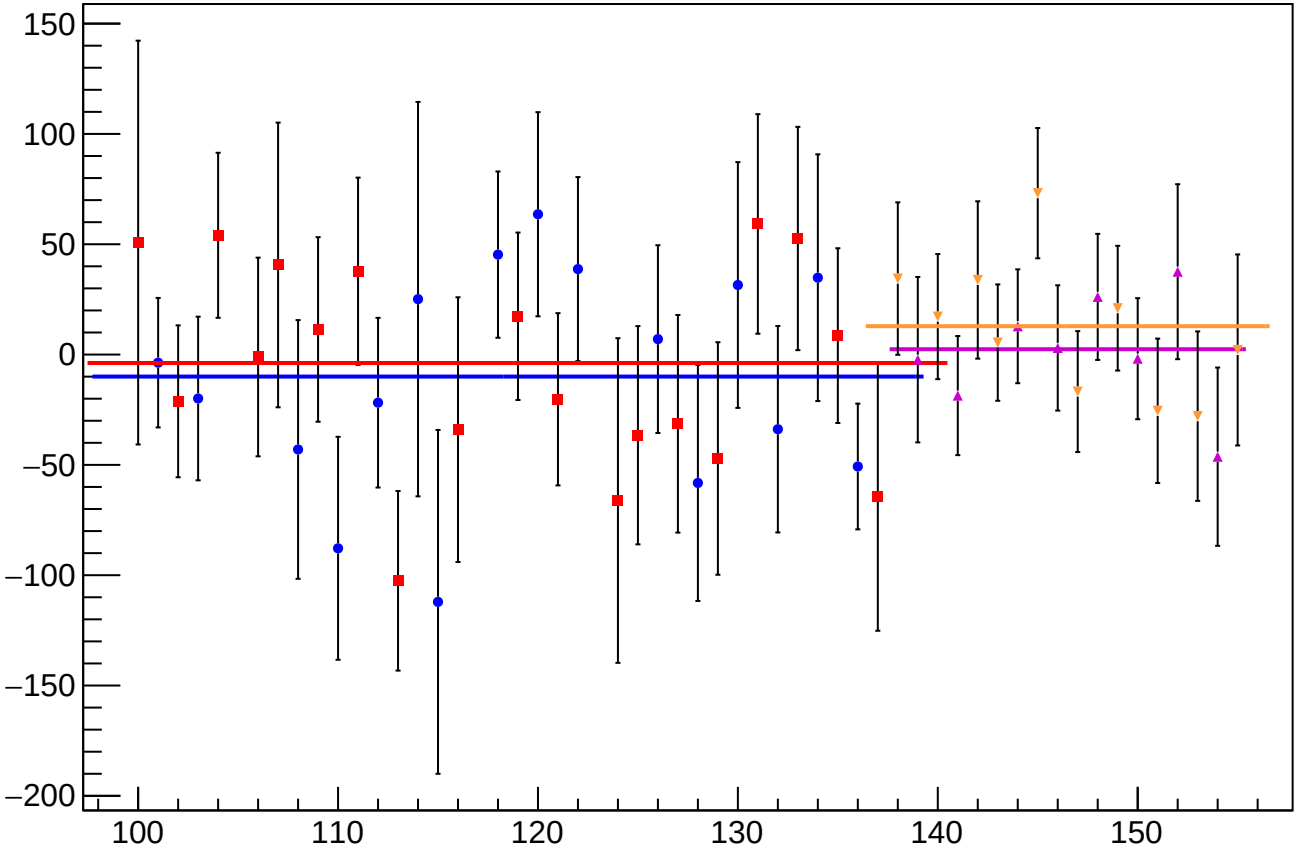
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 4854.122+/-1.082 χ^2/NDF:7588905.8/23

Out: 5129.502+/-1.087 χ^2/NDF:6221284.2/28

All: 4991.264+/-0.767 χ^2/NDF: 13842431.3/5

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 12.862+/-9.911 χ^2/NDF:8.8/9

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 2.422+/-10.766 χ^2/NDF:3.7/7

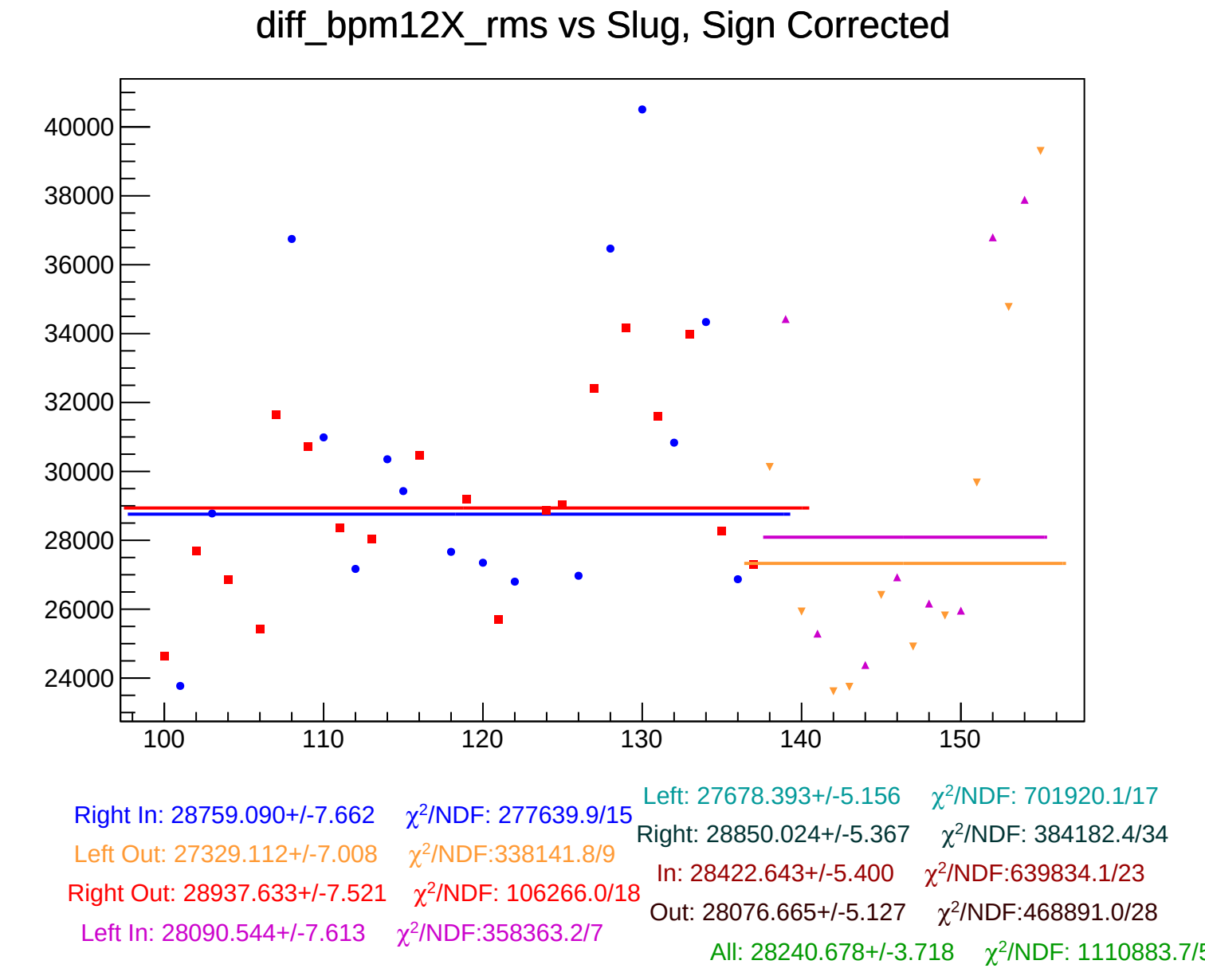
Left: 8.073+/-7.292 χ^2/NDF: 13.1/17

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

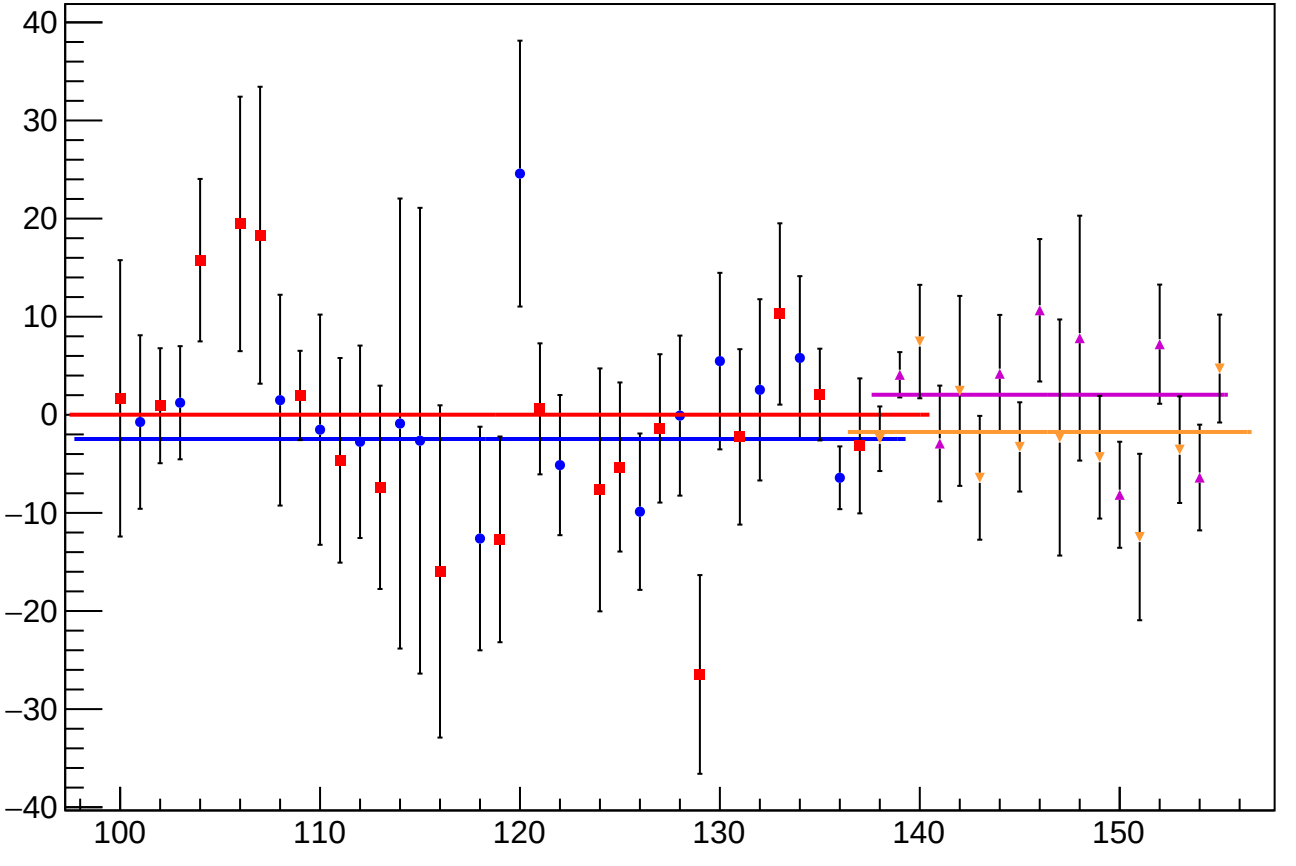
In: -3.733+/-7.637 χ^2/NDF:19.7/23

Out: 5.112+/-7.251 χ^2/NDF:27.4/28

All: 0.919+/-5.259 χ^2/NDF: 47.8/52


diff_bpm12X_rms vs Slug, Sign Corrected
40000
38000
36000
34000
32000
30000
28000
26000
24000
100
110
120
130
140
150
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 27329.112+/-7.008 χ²/NDF:338141.8/9
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 28090.544+/-7.613 χ²/NDF:358363.2/7
Left: 27678.393+/-5.156 χ²/NDF: 701920.1/17
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 28422.643+/-5.400 χ²/NDF:639834.1/23
Out: 28076.665+/-5.127 χ²/NDF:468891.0/28
All: 28240.678+/-3.718 χ²/NDF: 1110883.7/5

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.751+/-1.769 χ^2/NDF:6.7/9

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 2.042+/-1.654 χ^2/NDF:10.0/7

Left: 0.273+/-1.208 χ^2/NDF: 19.1/17

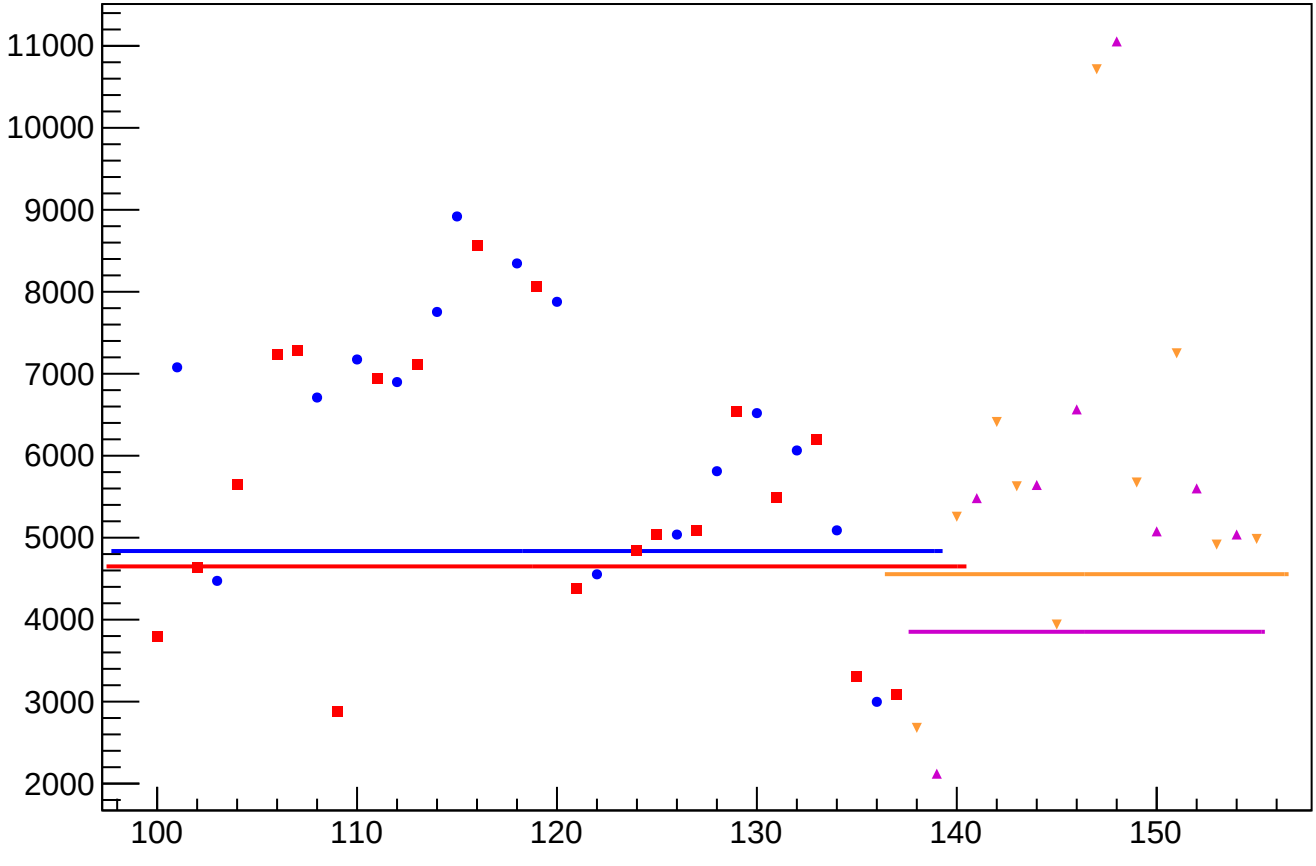
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.116+/-1.252 χ^2/NDF:23.2/23

Out: -0.900+/-1.271 χ^2/NDF:27.1/28

All: -0.384+/-0.892 χ^2/NDF: 50.6/52

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4554.876+/-1.251 χ^2/NDF:1656463.1/9

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 3851.952+/-1.170 χ^2/NDF:2766617.8/7

Left: 4179.899+/-0.854 χ^2/NDF: 4591517.6/17

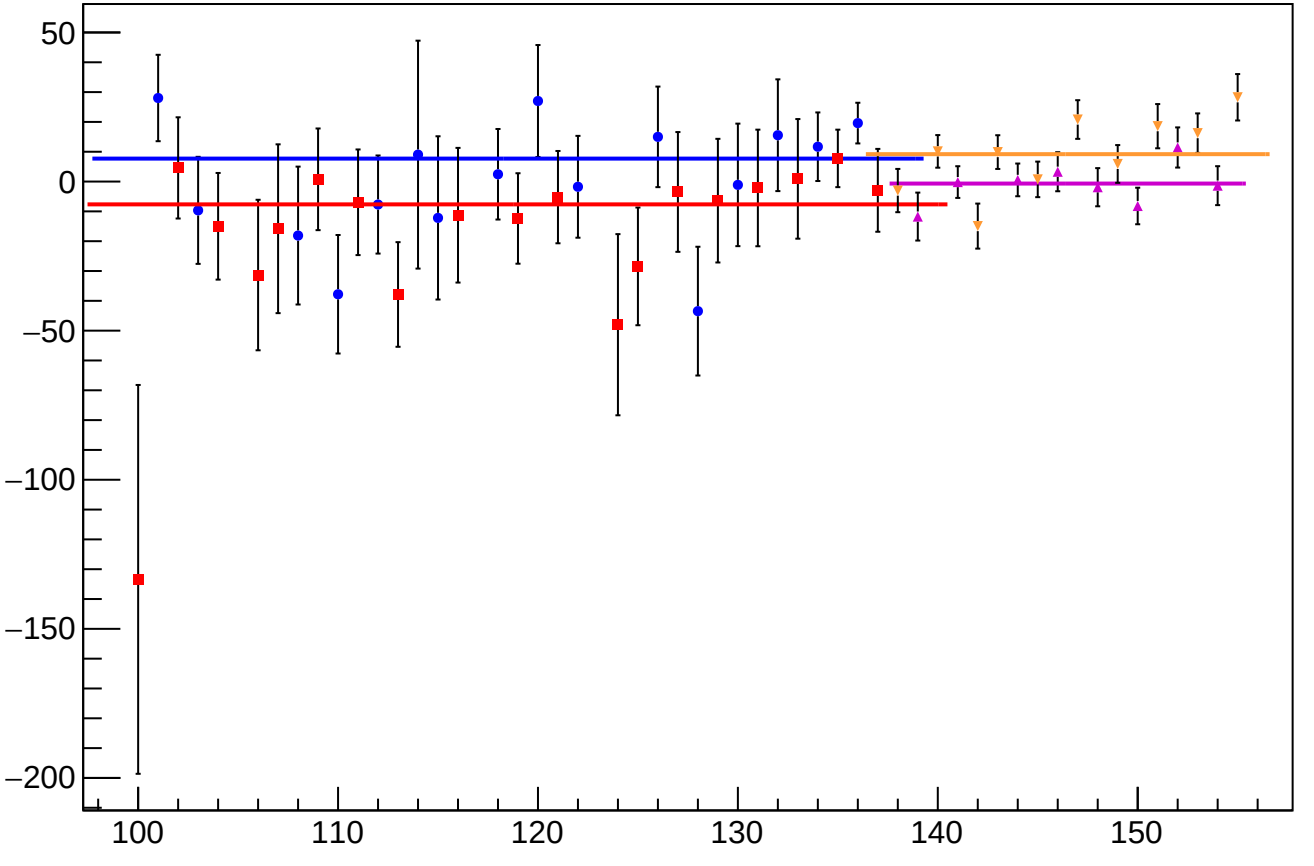
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4272.868+/-0.885 χ^2/NDF:4617393.2/23

Out: 4600.690+/-0.899 χ^2/NDF:3093785.4/28

All: 4434.286+/-0.631 χ^2/NDF: 7778683.5/52

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 9.188+/-2.060 χ^2/NDF:27.3/9

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -0.672+/-2.214 χ^2/NDF:7.1/7

Left: 4.613+/-1.508 χ^2/NDF: 45.0/17

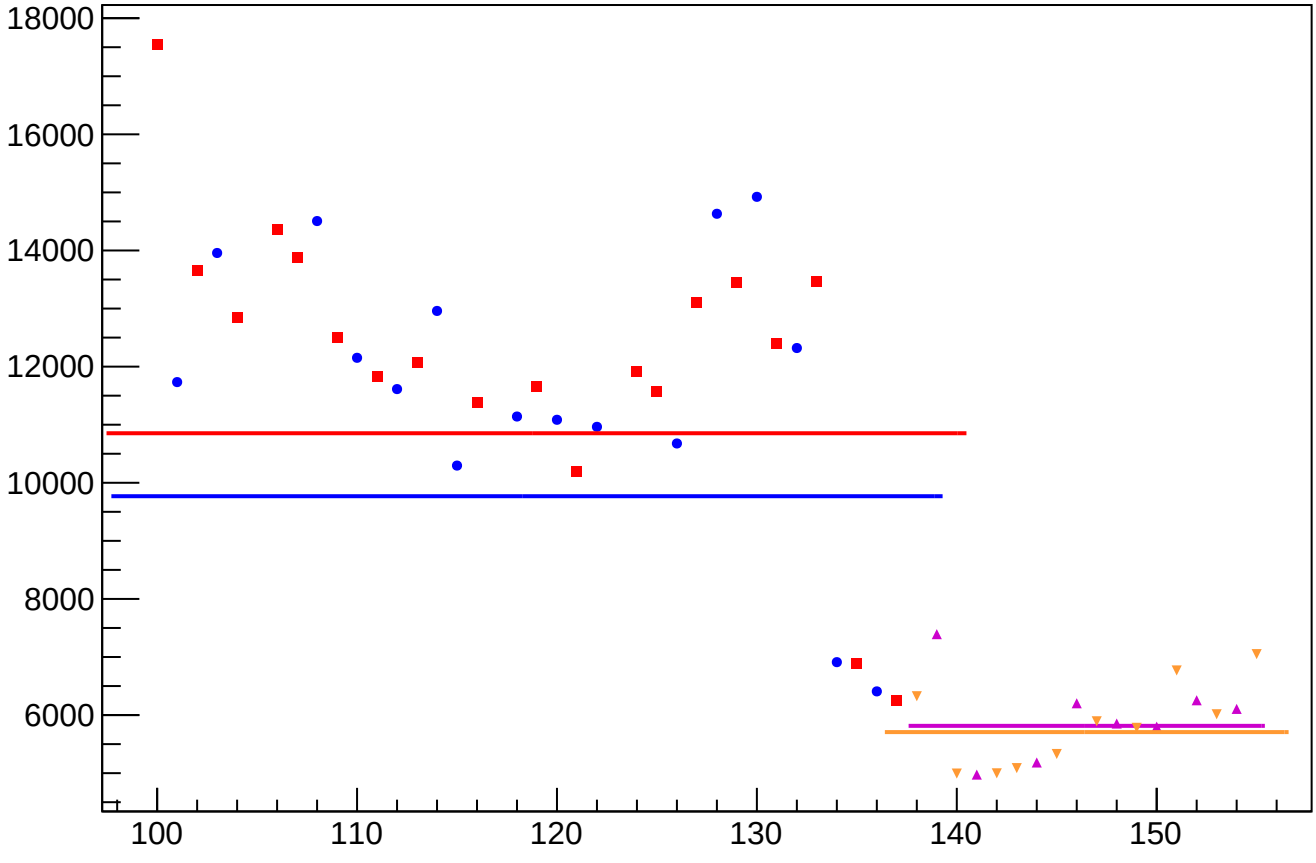
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 1.433+/-1.916 χ^2/NDF:32.3/23

Out: 5.793+/-1.841 χ^2/NDF:55.4/28

All: 3.700+/-1.327 χ^2/NDF: 90.4/52

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5707.159+/-1.457 χ^2/NDF:204982.5/9

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5814.673+/-1.566 χ^2/NDF:173168.1/7

Left: 5757.043+/-1.066 χ^2/NDF: 380678.3/17

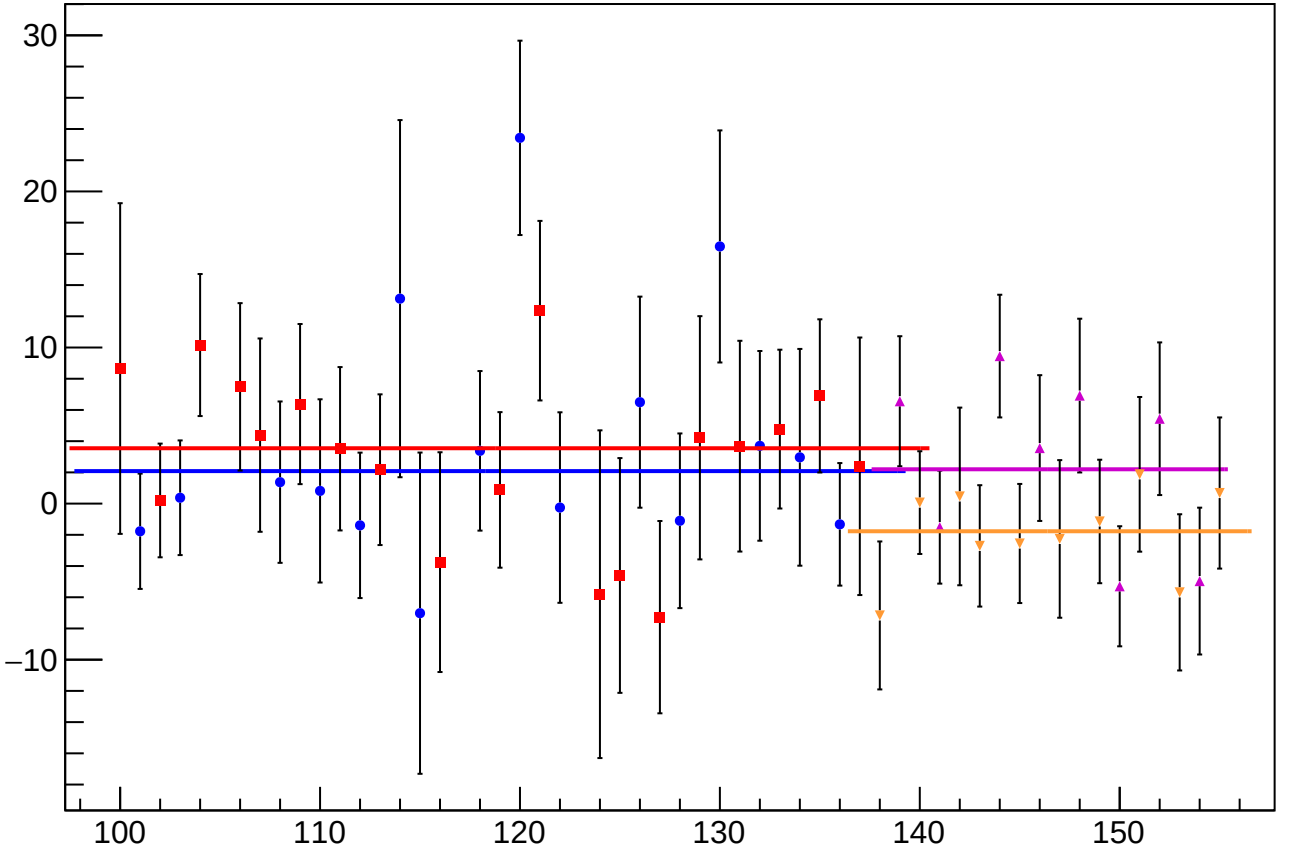
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6809.126+/-1.355 χ^2/NDF:2991004.7/23

Out: 6744.662+/-1.302 χ^2/NDF:3595697.0/28

All: 6775.608+/-0.938 χ^2/NDF: 6587879.3/52

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -1.772+/-1.375 χ^2/NDF:3.3/9

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 2.199+/-1.507 χ^2/NDF:13.1/7

Left: 0.032+/-1.016 χ^2/NDF: 20.2/17

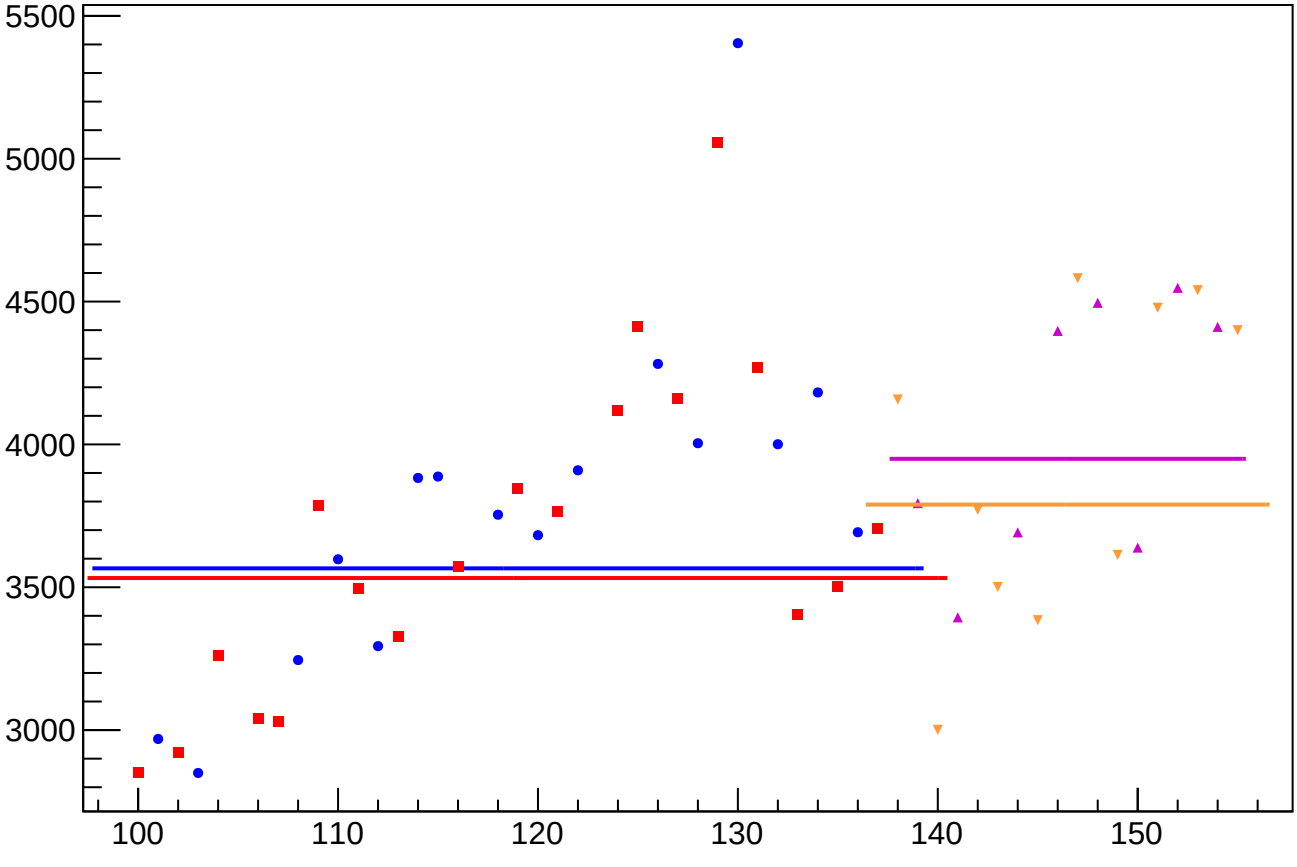
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.134+/-1.004 χ^2/NDF:34.1/23

Out: 1.028+/-0.946 χ^2/NDF:24.6/28

All: 1.548+/-0.688 χ^2/NDF: 59.3/52

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3789.388+/-0.972 χ^2/NDF:328991.9/9

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 3949.586+/-1.066 χ^2/NDF:163637.7/7

Left: 3862.164+/-0.718 χ^2/NDF: 504963.9/17

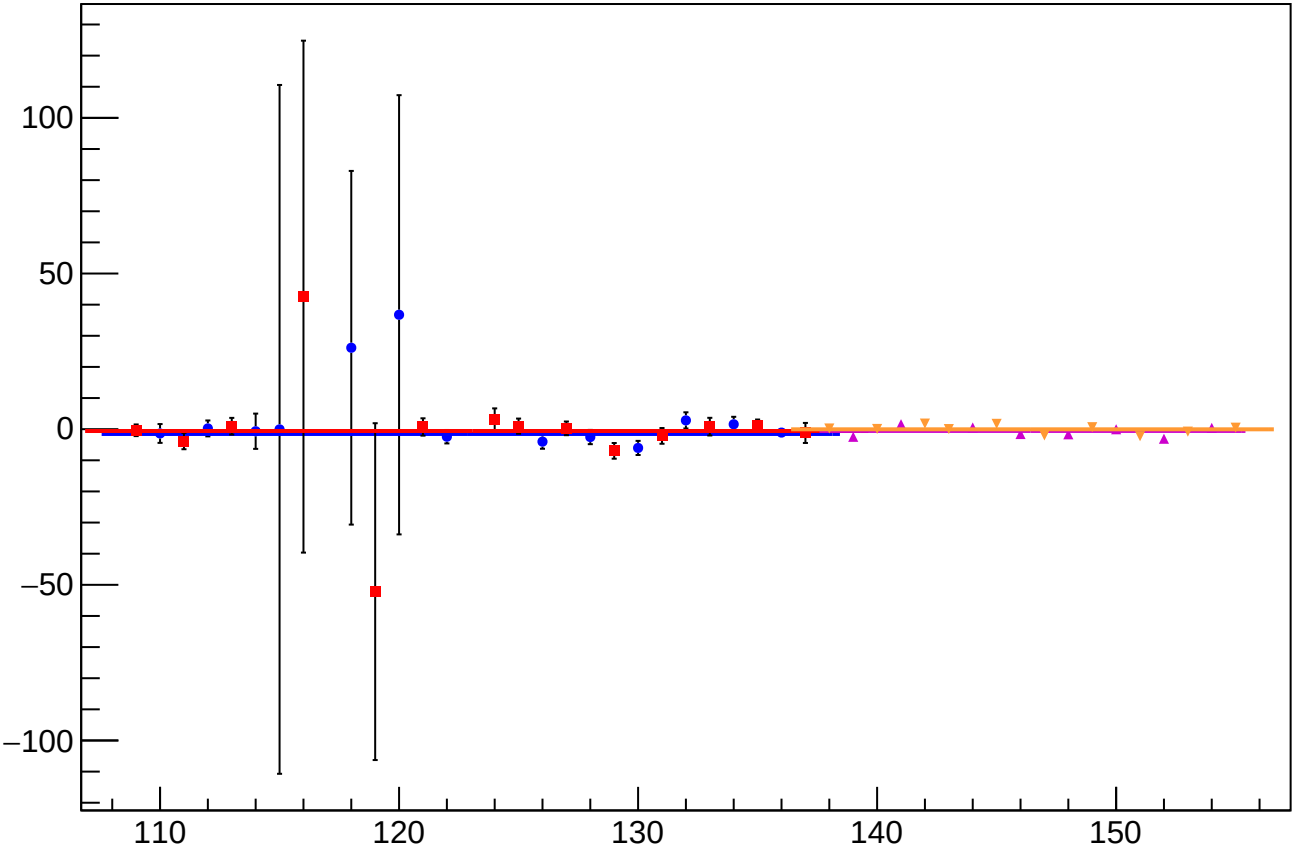
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3736.209+/-0.710 χ^2/NDF:576800.2/23

Out: 3654.001+/-0.669 χ^2/NDF:644524.7/28

All: 3692.689+/-0.487 χ^2/NDF: 1228429.5/52

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.044+/-0.360 χ^2/NDF:11.8/9

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.559+/-0.382 χ^2/NDF:16.6/7

Left: -0.286+/-0.262 χ^2/NDF: 29.4/17

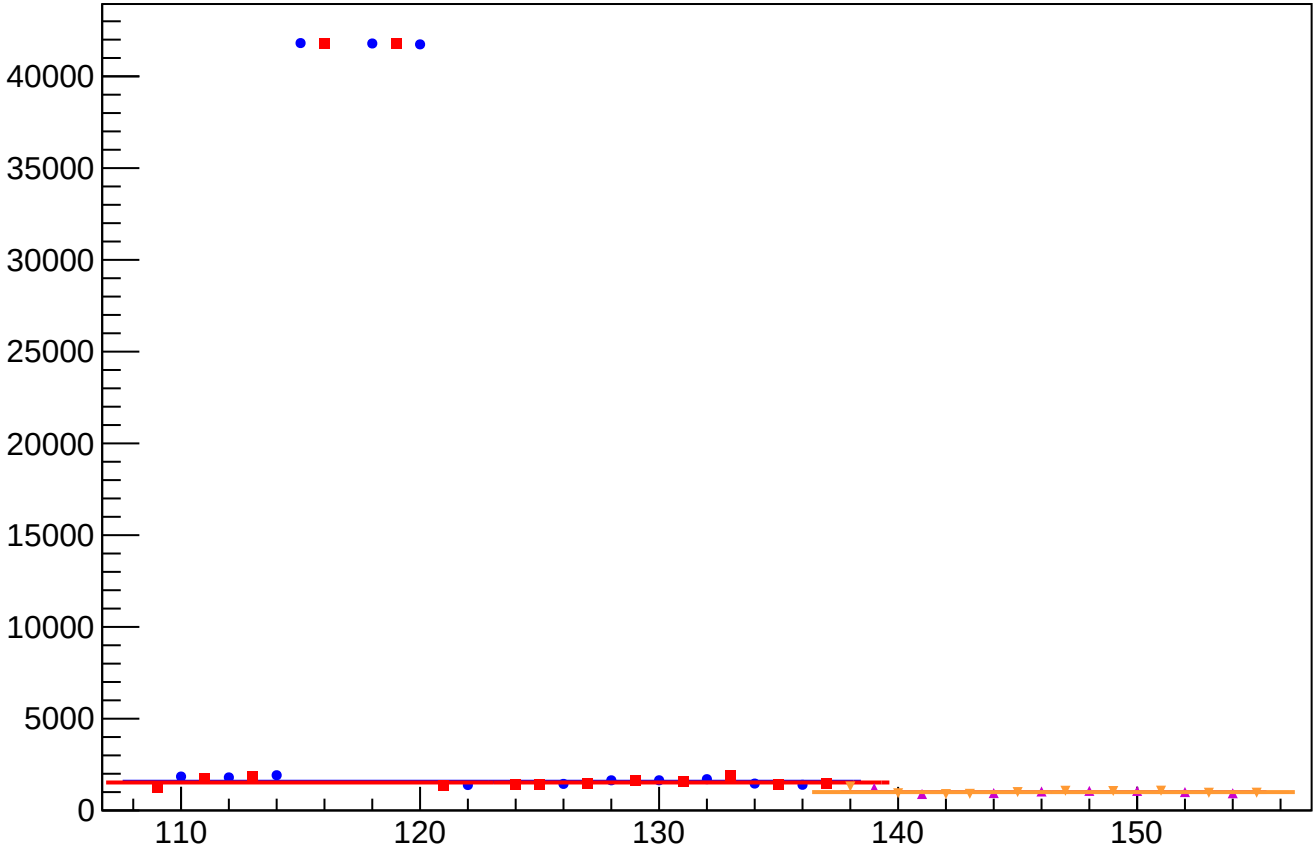
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.767+/-0.339 χ^2/NDF:29.1/20

Out: -0.153+/-0.322 χ^2/NDF:25.0/23

All: -0.445+/-0.233 χ^2/NDF: 55.8/44

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1000.573+/-0.254 χ^2/NDF:146602.8/9

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1004.934+/-0.270 χ^2/NDF:103927.9/7

Left: 1002.623+/-0.185 χ^2/NDF: 250668.9/17

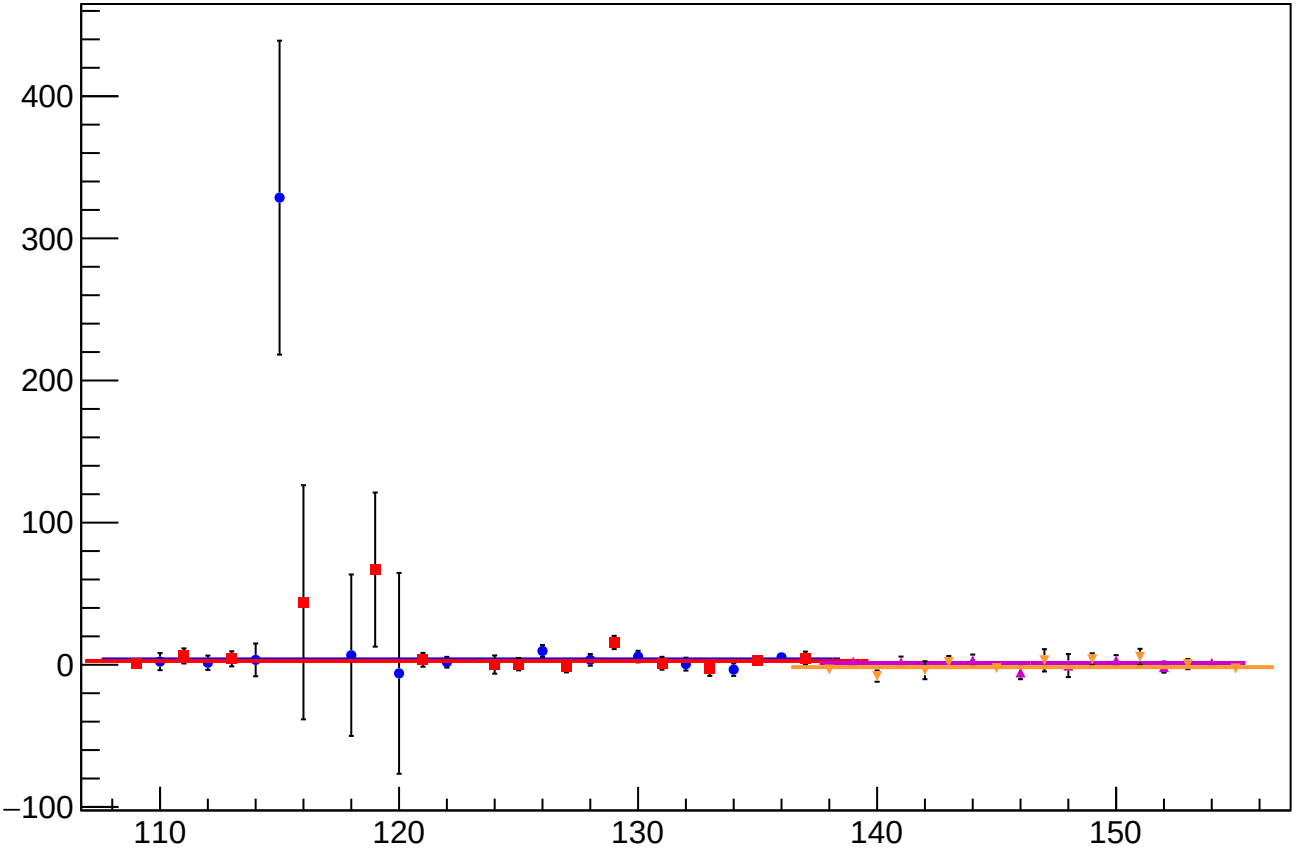
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1124.433+/-0.239 χ^2/NDF:3037542.8/20

Out: 1105.764+/-0.227 χ^2/NDF:2736519.7/23

All: 1114.615+/-0.165 χ^2/NDF: 5777258.8/44

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.641+/-1.178 χ^2/NDF:8.3/9

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 1.258+/-1.263 χ^2/NDF:3.2/7

Left: -0.291+/-0.862 χ^2/NDF: 14.3/17

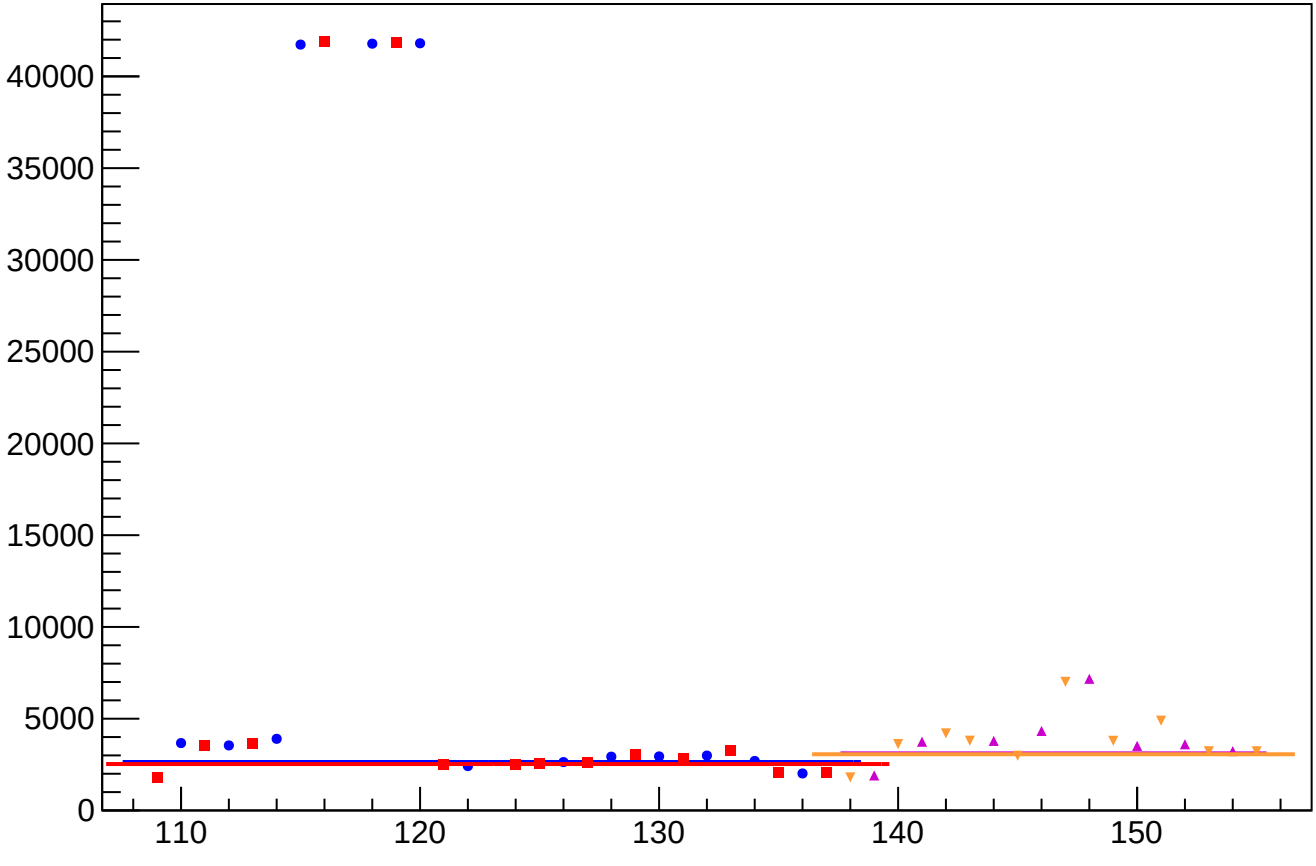
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 2.532+/-0.888 χ^2/NDF:20.4/20

Out: 0.475+/-0.845 χ^2/NDF:28.6/23

All: 1.452+/-0.612 χ^2/NDF: 51.7/44

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3062.016+/-0.833 χ^2/NDF:1674483.1/9

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3110.592+/-0.893 χ^2/NDF:1447963.0/7

Left: 3084.626+/-0.609 χ^2/NDF: 3124028.0/17

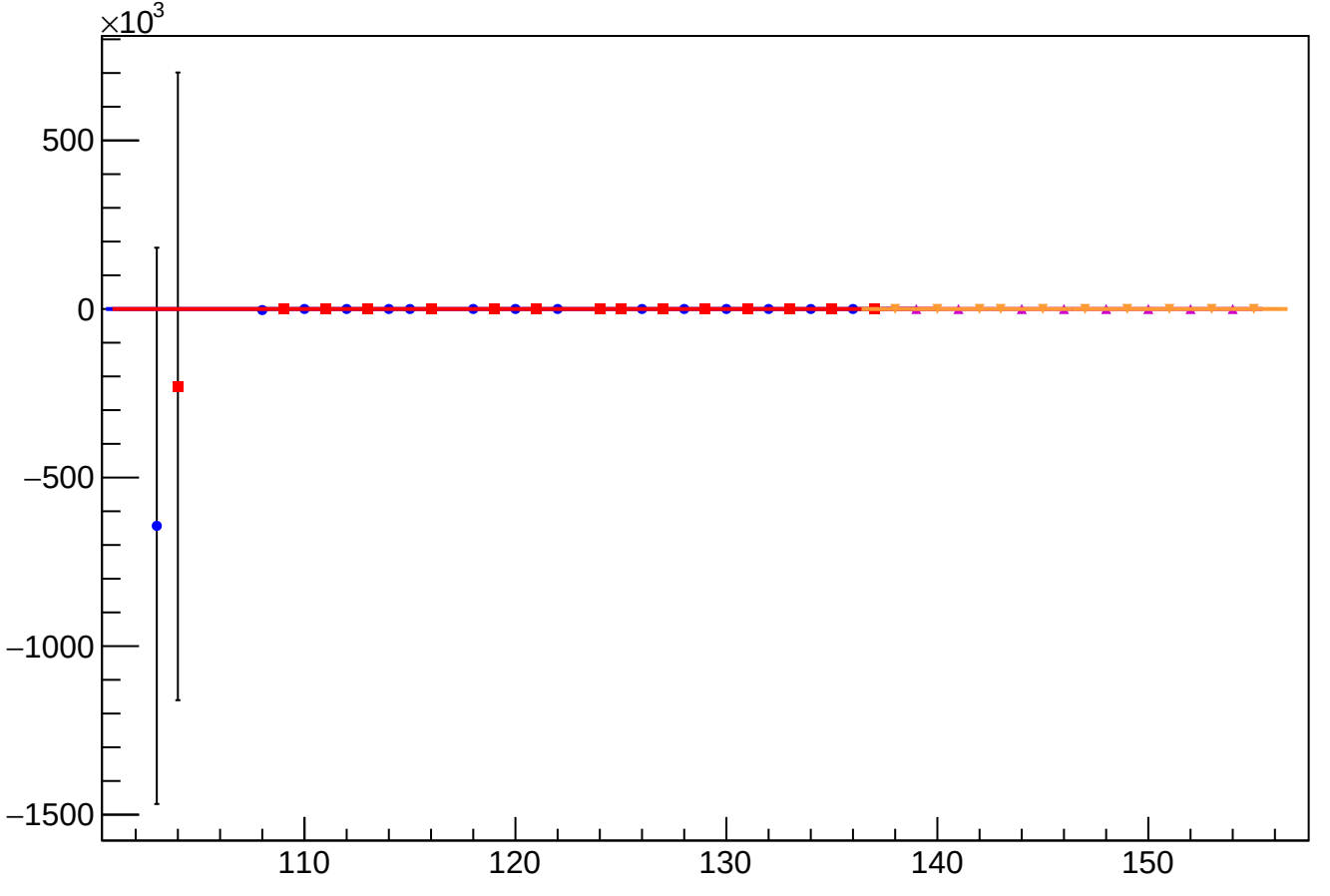
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2872.560+/-0.628 χ^2/NDF:3761869.0/20

Out: 2802.783+/-0.597 χ^2/NDF:3823432.0/23

All: 2835.930+/-0.433 χ^2/NDF: 7591787.2/44

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -2.040+/-0.567 χ^2/NDF:23.1/9

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.076+/-0.605 χ^2/NDF:10.6/7

Left: -1.051+/-0.414 χ^2/NDF: 40.2/17

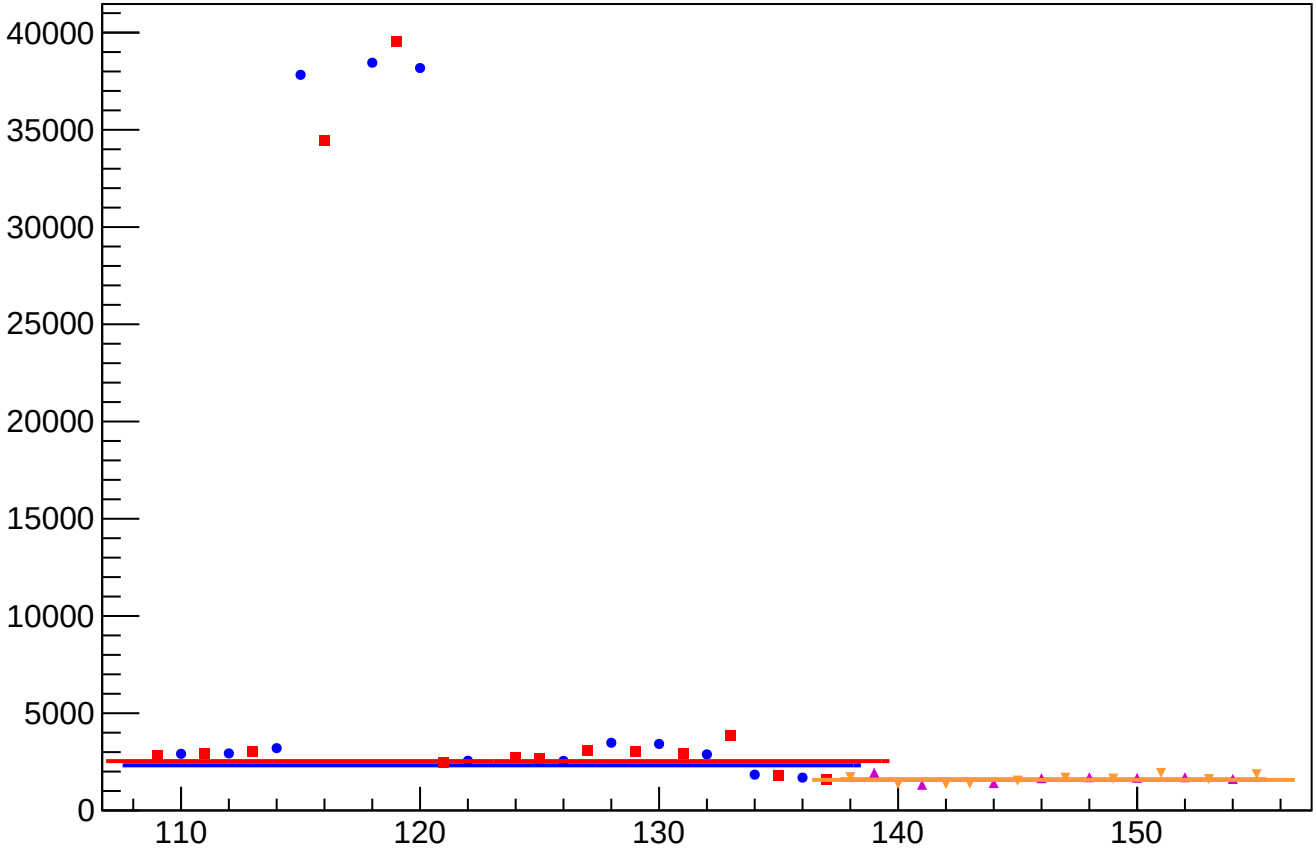
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.214+/-0.533 χ^2/NDF:30.4/22

Out: -1.193+/-0.514 χ^2/NDF:49.9/24

All: -0.722+/-0.370 χ^2/NDF: 82.1/47

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1572.839+/-0.401 χ^2/NDF:216225.7/9

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1588.249+/-0.428 χ^2/NDF:183924.5/7

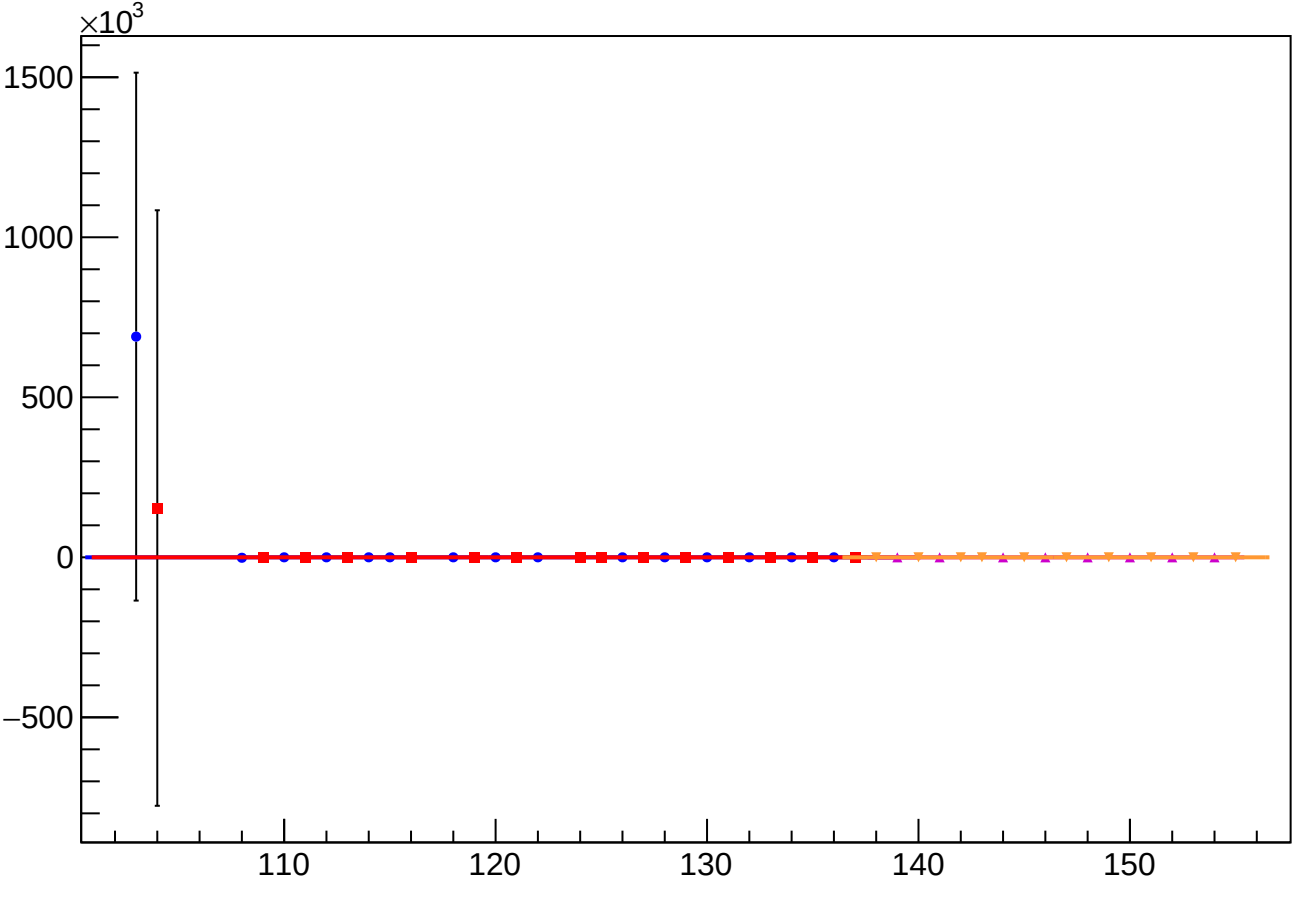
Left: 1580.042+/-0.293 χ^2/NDF: 400840.1/17

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1752.632+/-0.377 χ^2/NDF:3302041.2/20

Out: 1746.396+/-0.363 χ^2/NDF:3295188.0/23

All: 1749.398+/-0.262 χ^2/NDF: 6597371.1/44



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.542+/-0.782 χ^2/NDF:10.6/9

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.185+/-0.782 χ^2/NDF:3.6/7

Left: -0.364+/-0.553 χ^2/NDF: 14.3/17

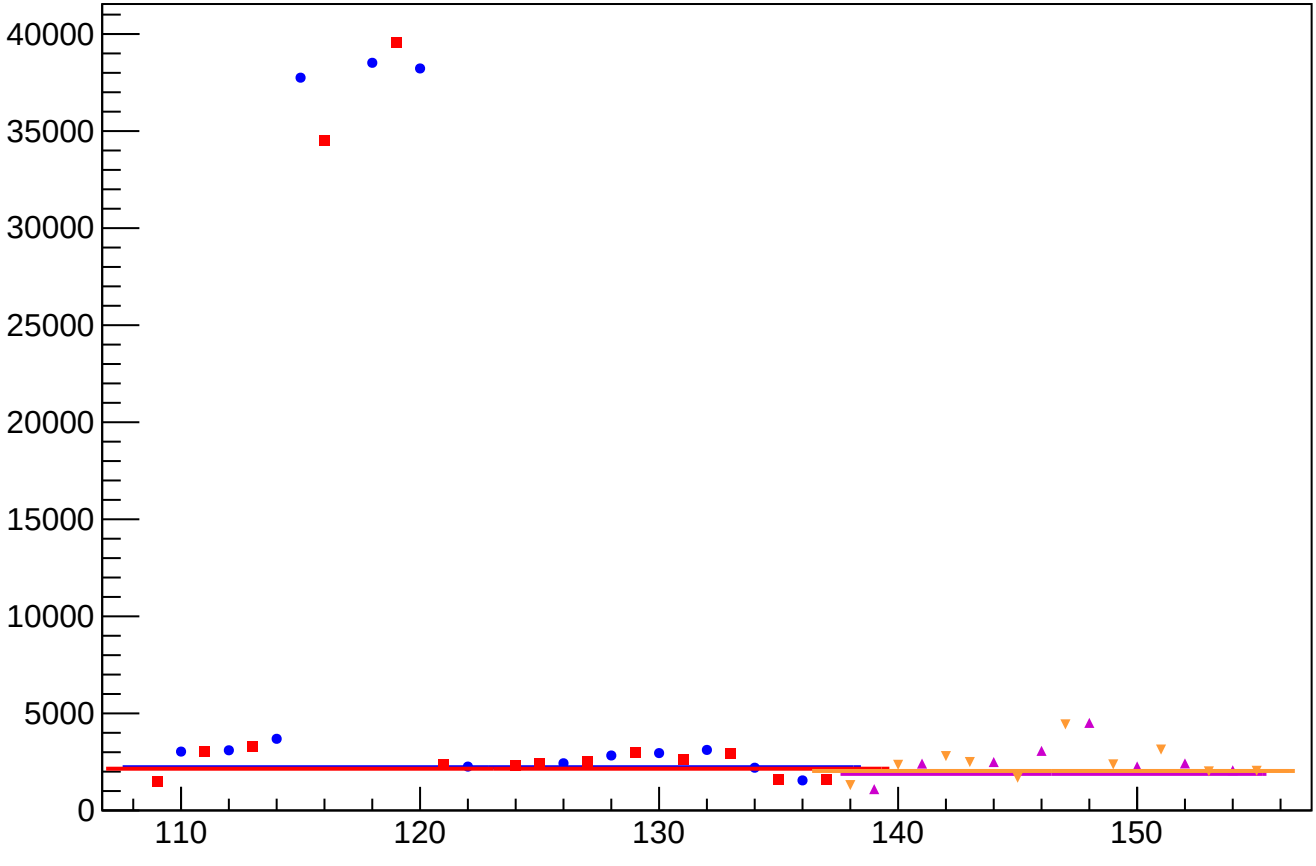
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.469+/-0.633 χ^2/NDF:10.6/22

Out: 0.324+/-0.627 χ^2/NDF:29.4/24

All: 0.396+/-0.445 χ^2/NDF: 40.0/47

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2034.077+/-0.553 χ^2/NDF:1308239.6/9

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1884.802+/-0.553 χ^2/NDF:1982749.9/7

Left: 1959.510+/-0.391 χ^2/NDF: 3327439.5/17

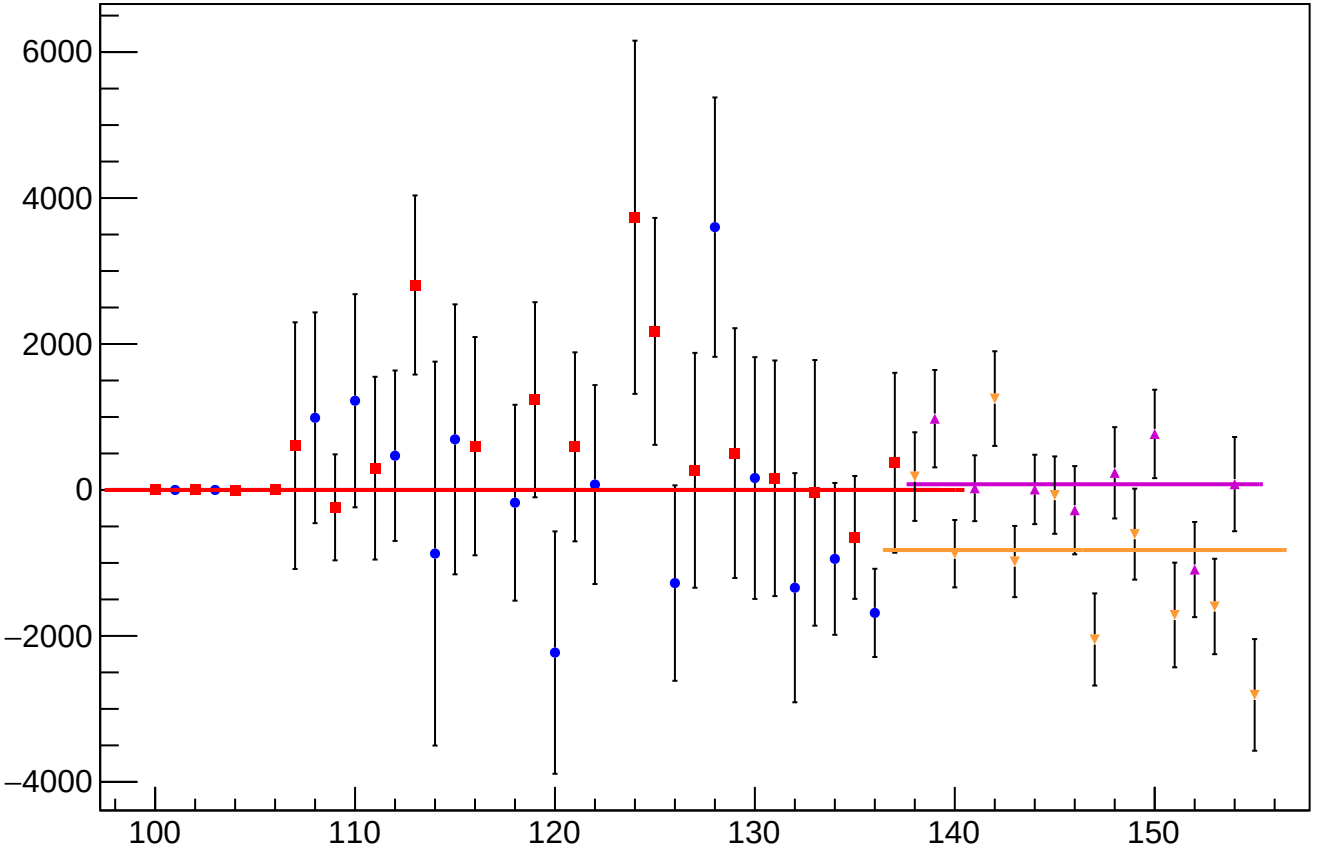
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2003.050+/-0.447 χ^2/NDF:4637270.9/20

Out: 2075.614+/-0.444 χ^2/NDF:3555443.6/23

All: 2039.649+/-0.315 χ^2/NDF: 8205979.3/44

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -823.410+/-186.939 χ^2/NDF:28.7/9

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 78.017+/-202.649 χ^2/NDF:6.8/7

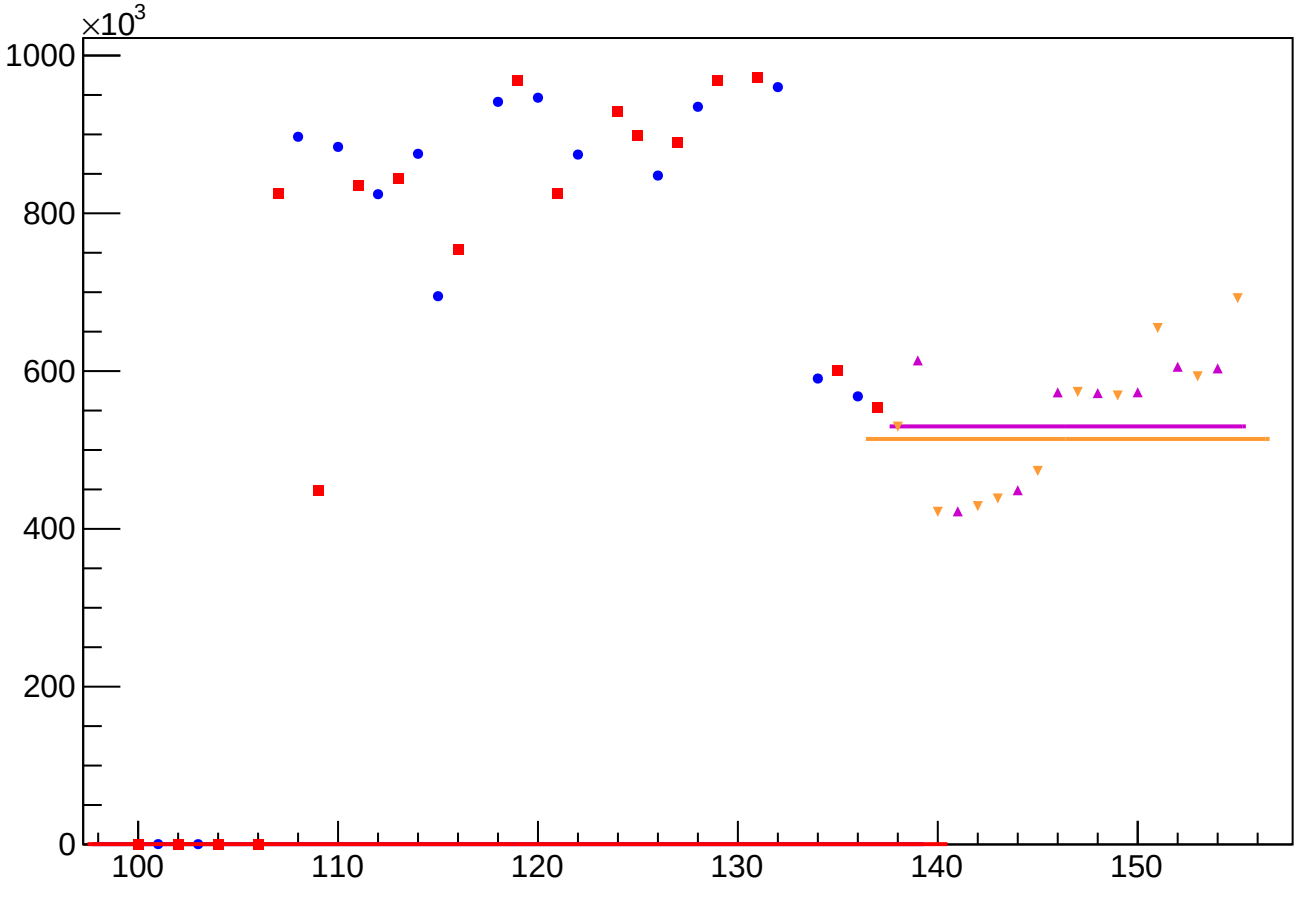
Left: -408.988+/-137.404 χ^2/NDF: 46.1/17

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:24.7/23

Out: -0.098+/-0.328 χ^2/NDF:63.5/28

All: 0.064+/-0.241 χ^2/NDF: 88.7/52



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 513999.617+/-132.185 χ^2/NDF:424040.8/9

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 529898.236+/-143.294 χ^2/NDF:285555.0/7

Left: 521308.857+/-97.159 χ^2/NDF: 716246.5/17

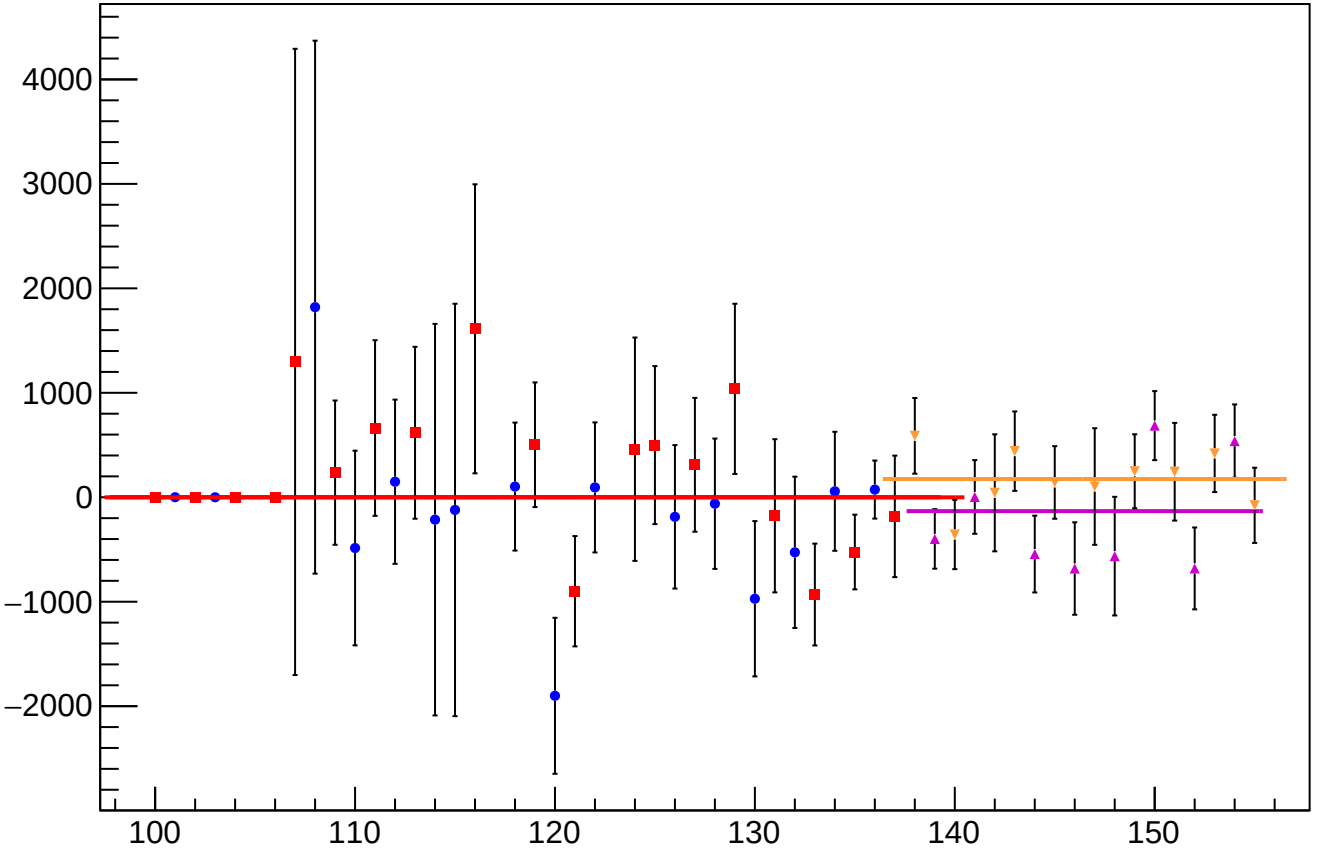
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 400.512+/-0.251 χ^2/NDF:22431778.5/22

Out: 394.819+/-0.232 χ^2/NDF:23169662.3/27

All: 397.434+/-0.170 χ^2/NDF: 45601717.9/50

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 174.604+/-123.218 χ^2/NDF:5.4/9

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -132.777+/-129.389 χ^2/NDF:16.1/7

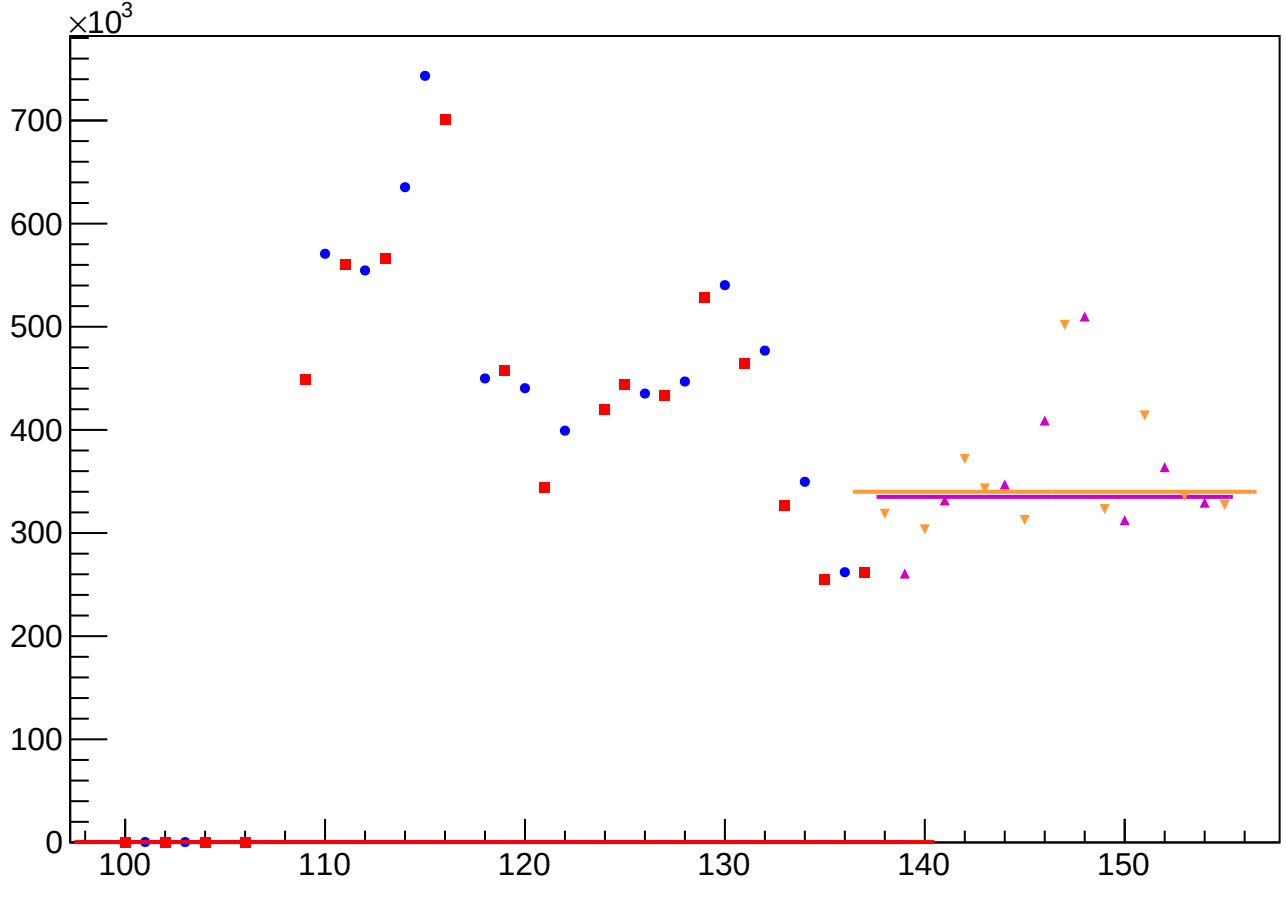
Left: 28.417+/-89.230 χ^2/NDF: 24.5/17

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.021+/-0.347 χ^2/NDF:27.6/23

Out: -0.598+/-0.324 χ^2/NDF:22.5/28

All: -0.329+/-0.237 χ^2/NDF: 51.6/52



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 340002.167+/-87.129 χ^2/NDF:275494.5/9

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 335070.062+/-91.504 χ^2/NDF:404512.8/7

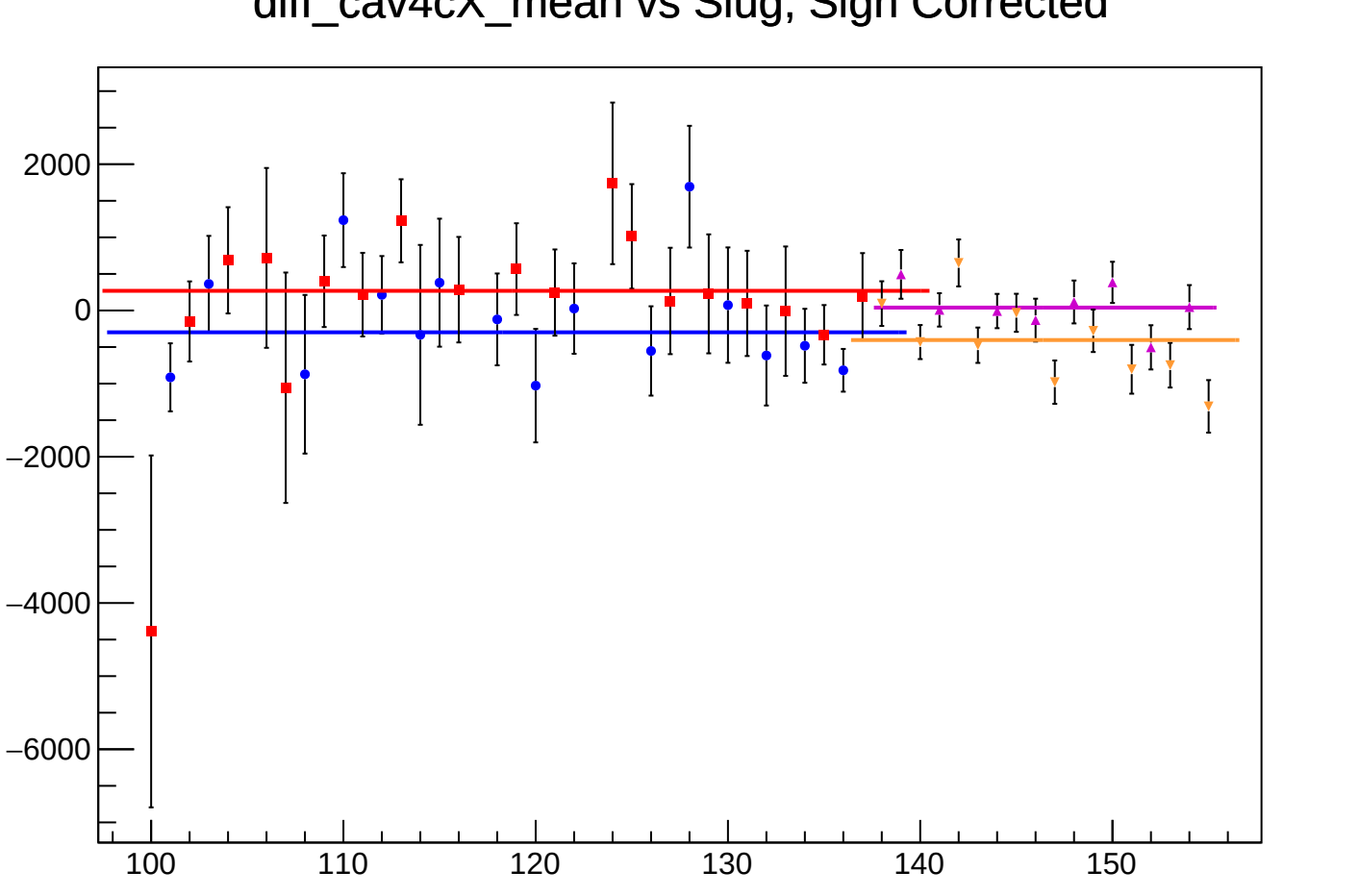
Left: 337656.837+/-63.099 χ^2/NDF: 681531.0/17

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 392.684+/-0.245 χ^2/NDF:24914405.4/22

Out: 390.329+/-0.229 χ^2/NDF:26542937.6/27

All: 391.425+/-0.167 χ^2/NDF: 51457392.2/50



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -403.954+/-90.781 χ^2/NDF:28.6/9

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 39.661+/-97.957 χ^2/NDF:7.1/7

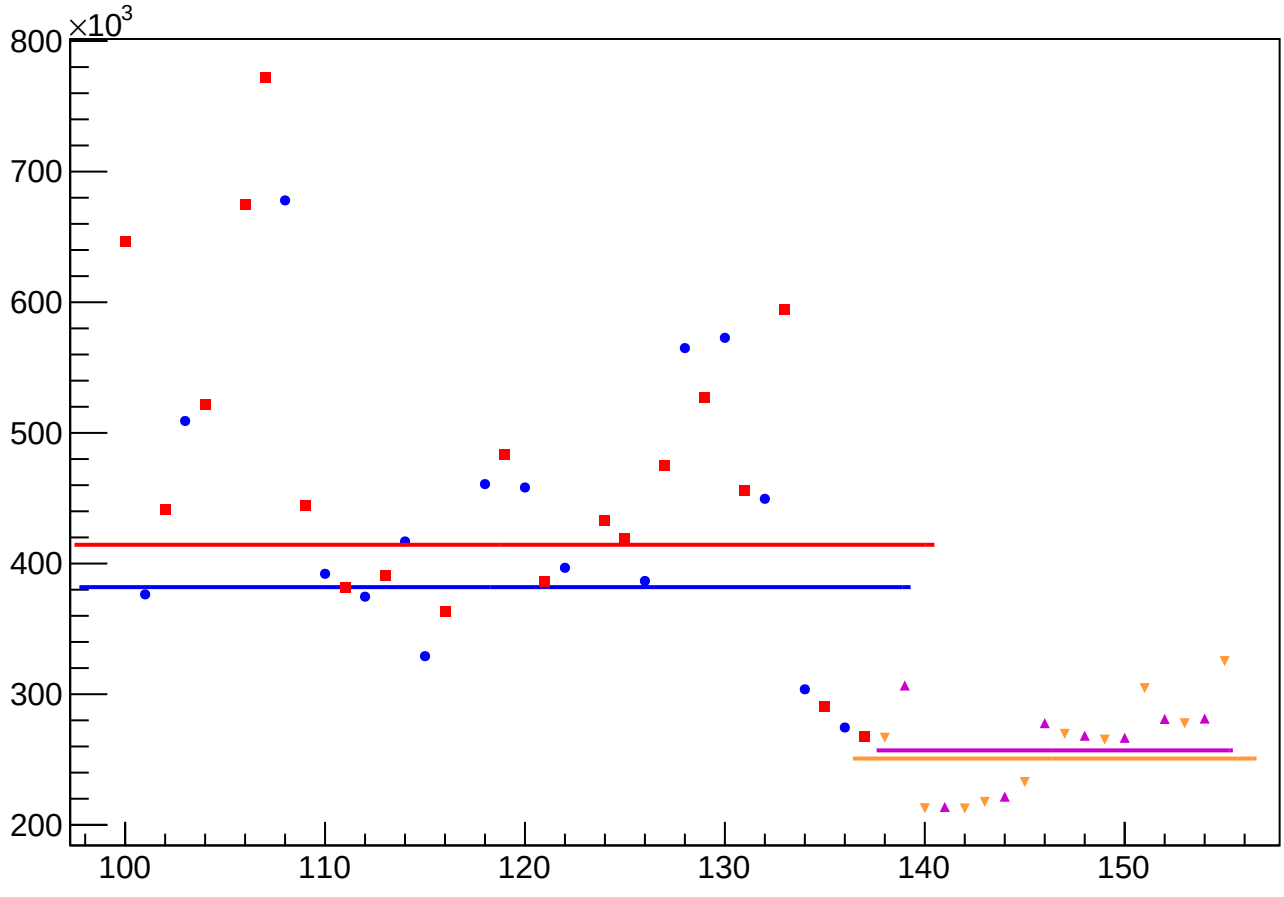
Left: -198.988+/-66.584 χ^2/NDF: 46.7/17

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -63.893+/-81.578 χ^2/NDF:31.9/23

Out: -234.686+/-78.536 χ^2/NDF:56.3/28

All: -152.533+/-56.578 χ^2/NDF: 90.5/52



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 250759.824+/-64.192 χ^2/NDF:301151.2/9

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 257010.644+/-69.266 χ^2/NDF:203009.0/7

Left: 253647.927+/-47.082 χ^2/NDF: 508541.3/17

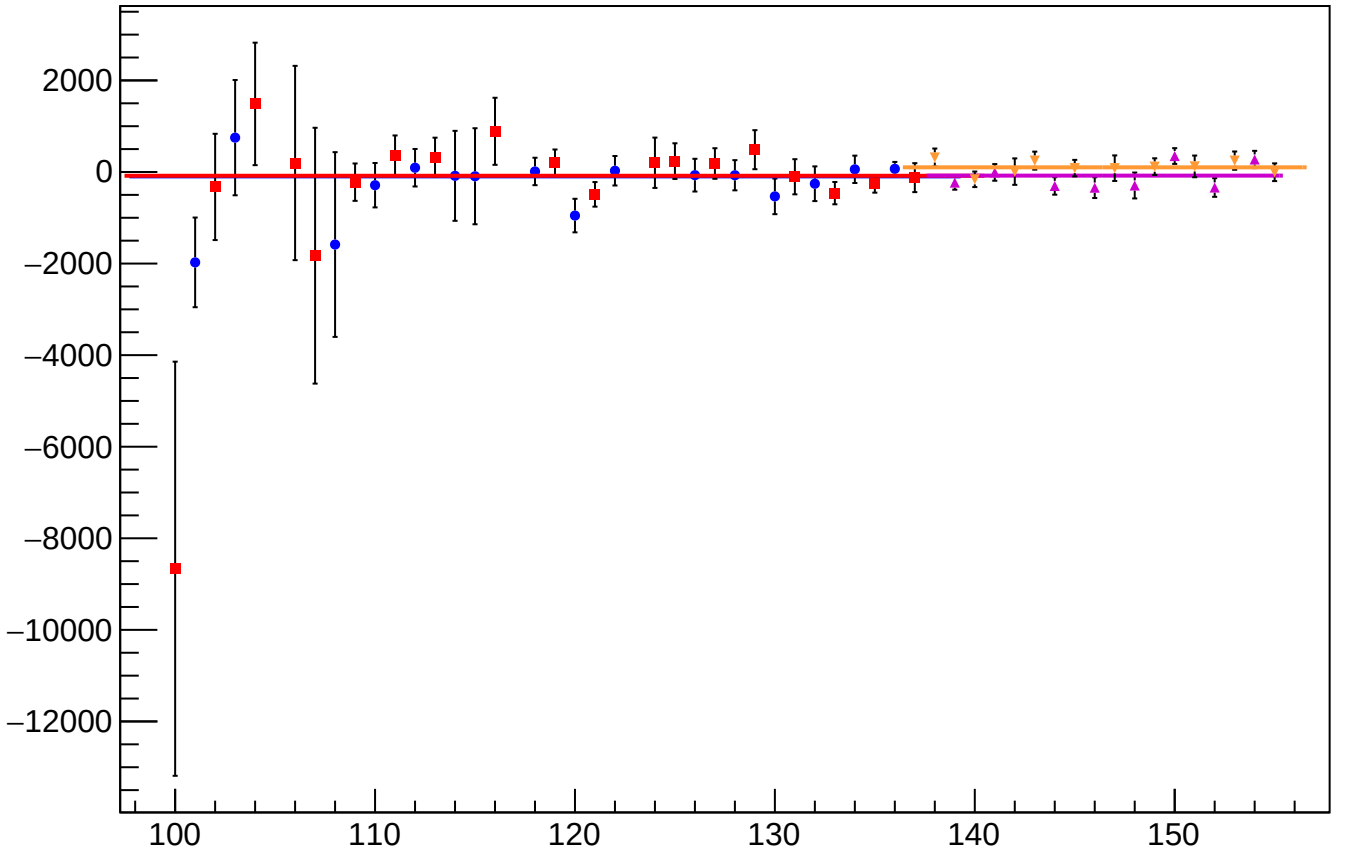
Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 295291.009+/-57.688 χ^2/NDF:2036401.2/23

Out: 291905.554+/-55.537 χ^2/NDF:2695022.1/28

All: 293533.999+/-40.009 χ^2/NDF: 4733210.

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 101.793+/-64.306 χ^2/NDF:5.1/9

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -79.183+/-67.894 χ^2/NDF:15.7/7

Left: 16.214+/-46.688 χ^2/NDF: 24.6/17

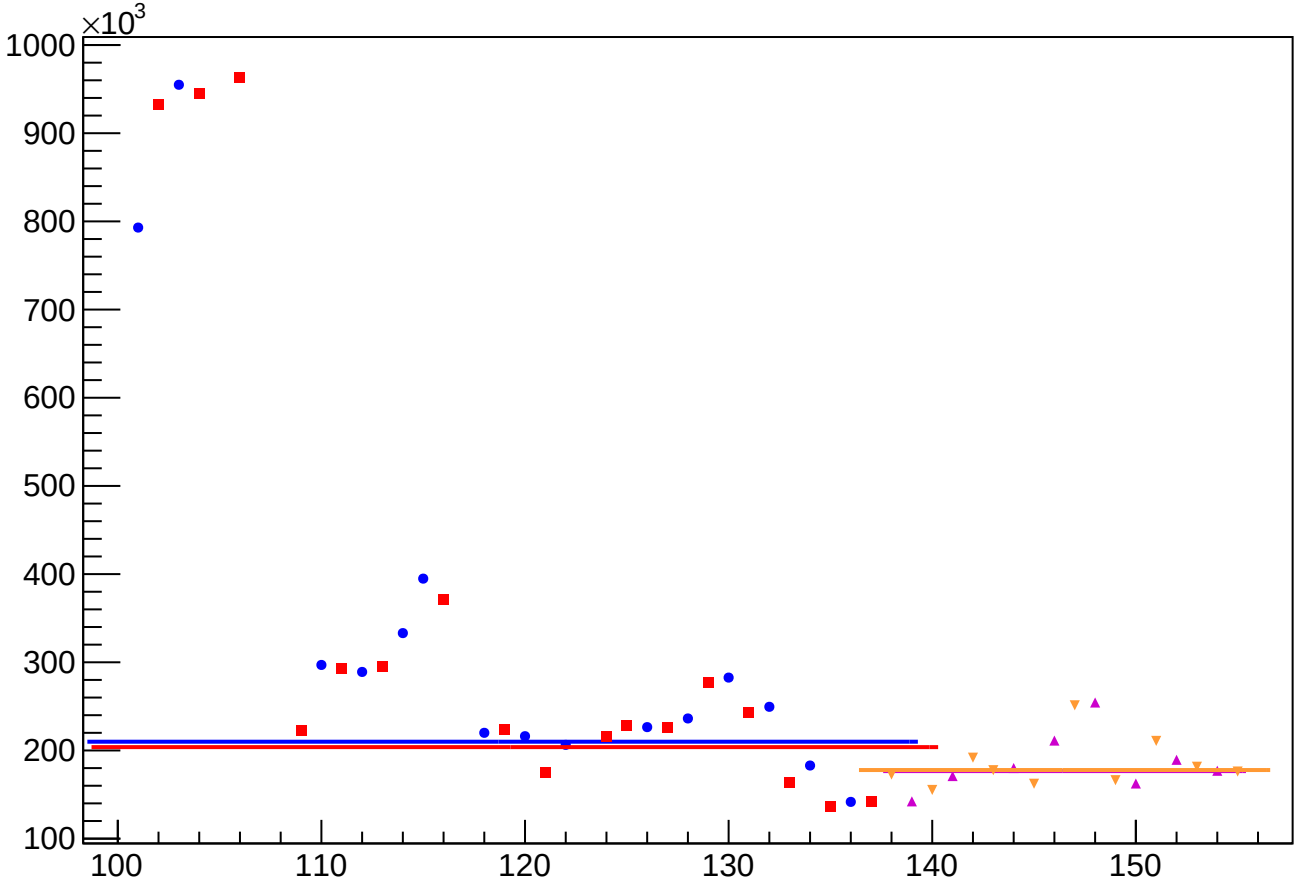
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -85.379+/-53.816 χ^2/NDF:29.5/23

Out: 36.897+/-51.779 χ^2/NDF:27.1/28

All: -21.883+/-37.312 χ^2/NDF: 59.2/52

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 177803.832+/-45.471 χ^2/NDF:242488.3/9

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 176611.338+/-48.009 χ^2/NDF:319061.0/7

Left: 177239.934+/-33.013 χ^2/NDF: 561874.6/17

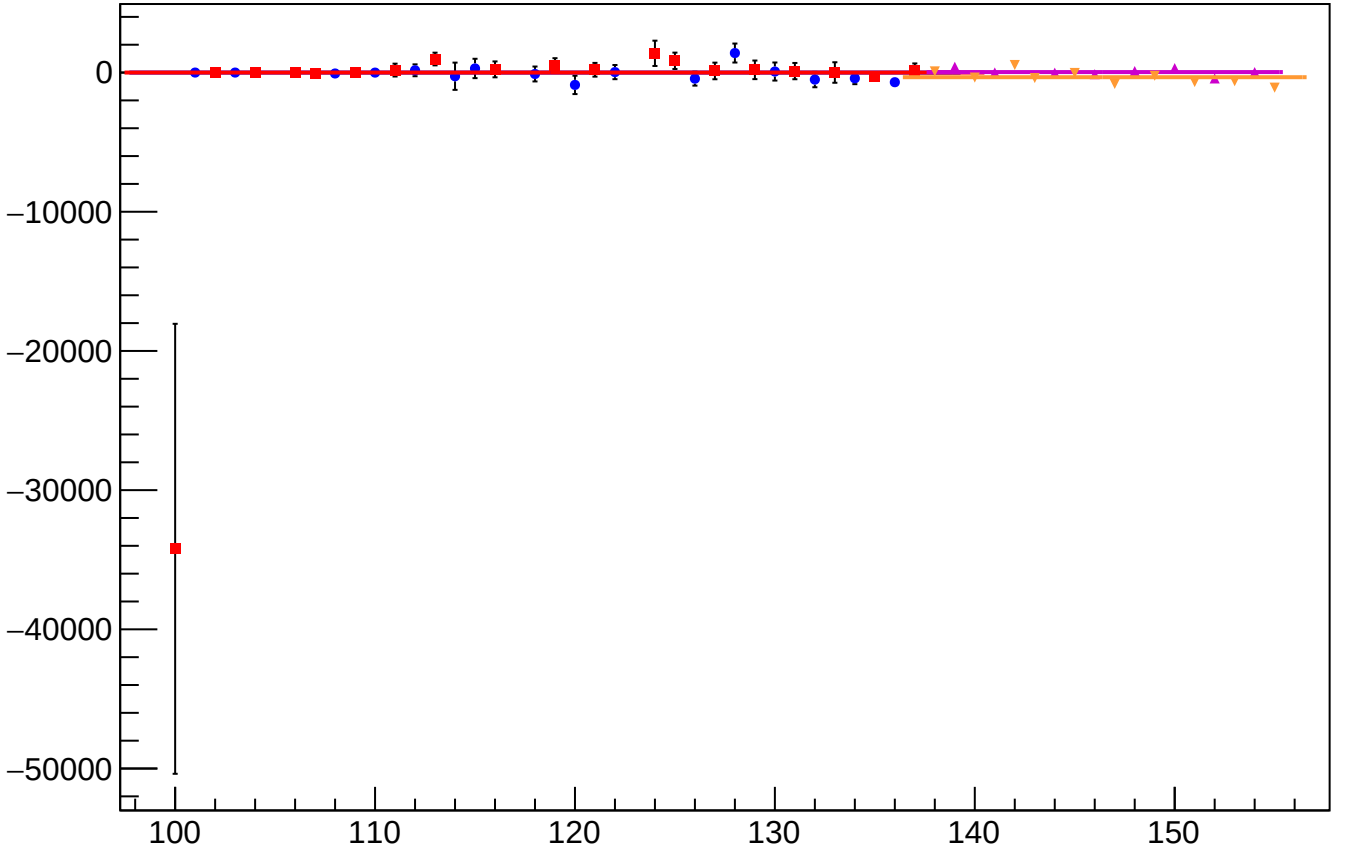
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 188969.386+/-38.078 χ^2/NDF:2457602.3/22

Out: 186913.884+/-36.645 χ^2/NDF:2427478.7/26

All: 187902.228+/-26.404 χ^2/NDF: 4886593.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -334.128+/-75.841 χ^2/NDF:28.6/9

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 35.307+/-82.015 χ^2/NDF:7.1/7

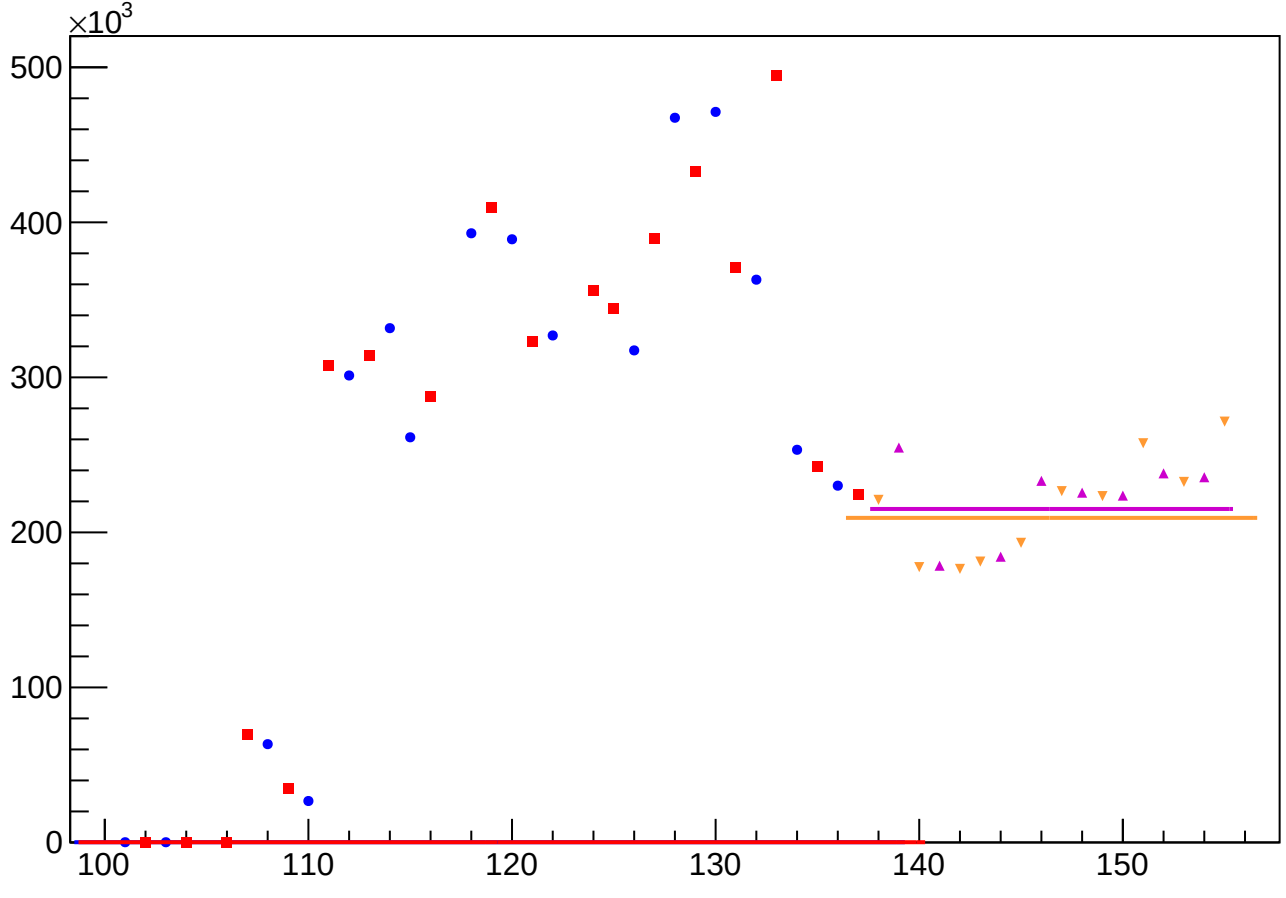
Left: -163.838+/-55.682 χ^2/NDF: 46.6/17

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:25.4/23

Out: 0.354+/-0.160 χ^2/NDF:64.6/28

All: 0.173+/-0.117 χ^2/NDF: 92.7/52



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 209370.281+/-53.627 χ^2/NDF:314840.3/9

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 215115.665+/-57.993 χ^2/NDF:210921.6/7

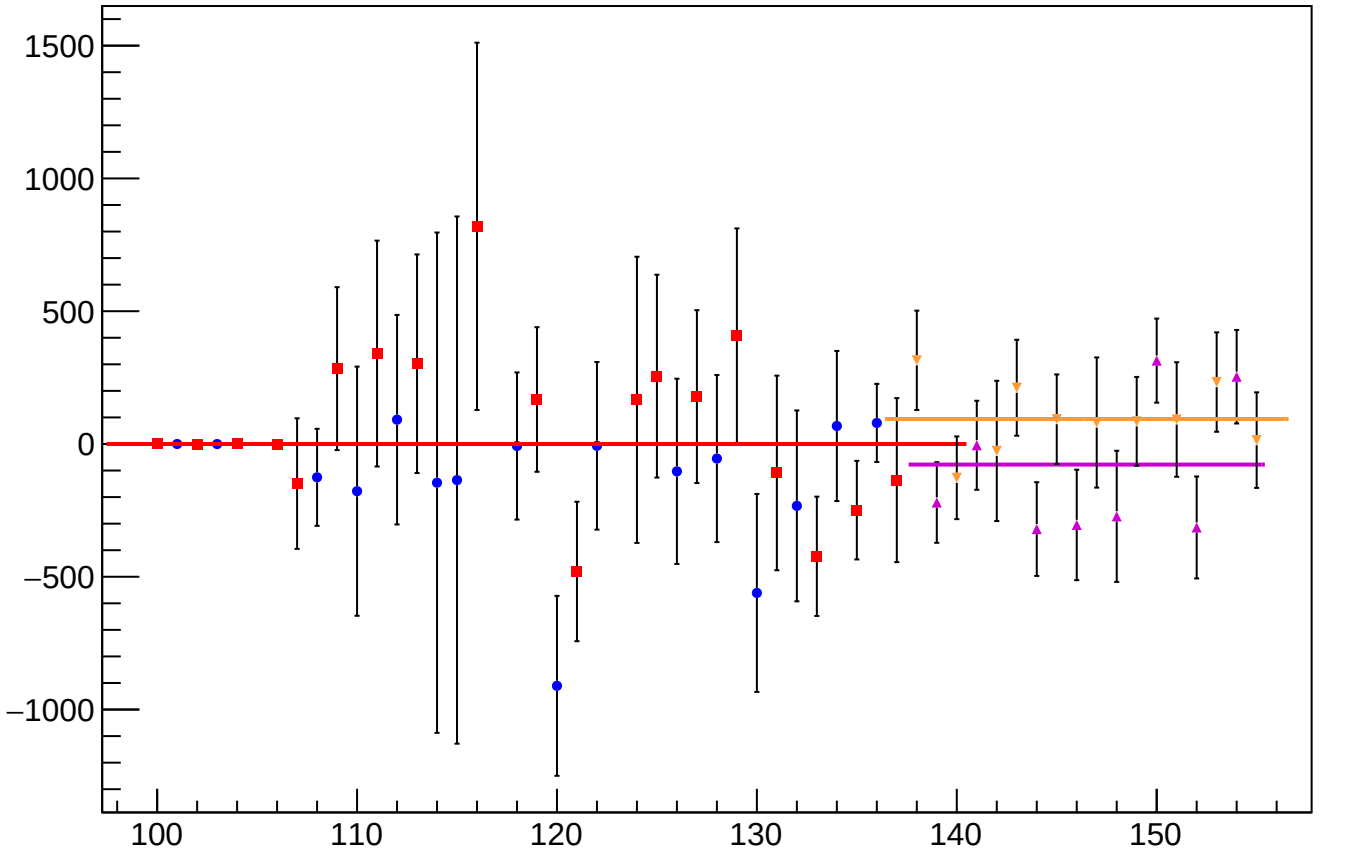
Left: 212018.593+/-39.373 χ^2/NDF: 531052.6/17

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 150.041+/-0.122 χ^2/NDF:25252801.2/23

Out: 150.311+/-0.113 χ^2/NDF:26824275.6/27

All: 150.186+/-0.083 χ^2/NDF: 52077079.5/51



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 94.042+/-59.400 χ^2/NDF:4.8/9

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -77.513+/-63.258 χ^2/NDF:16.0/7

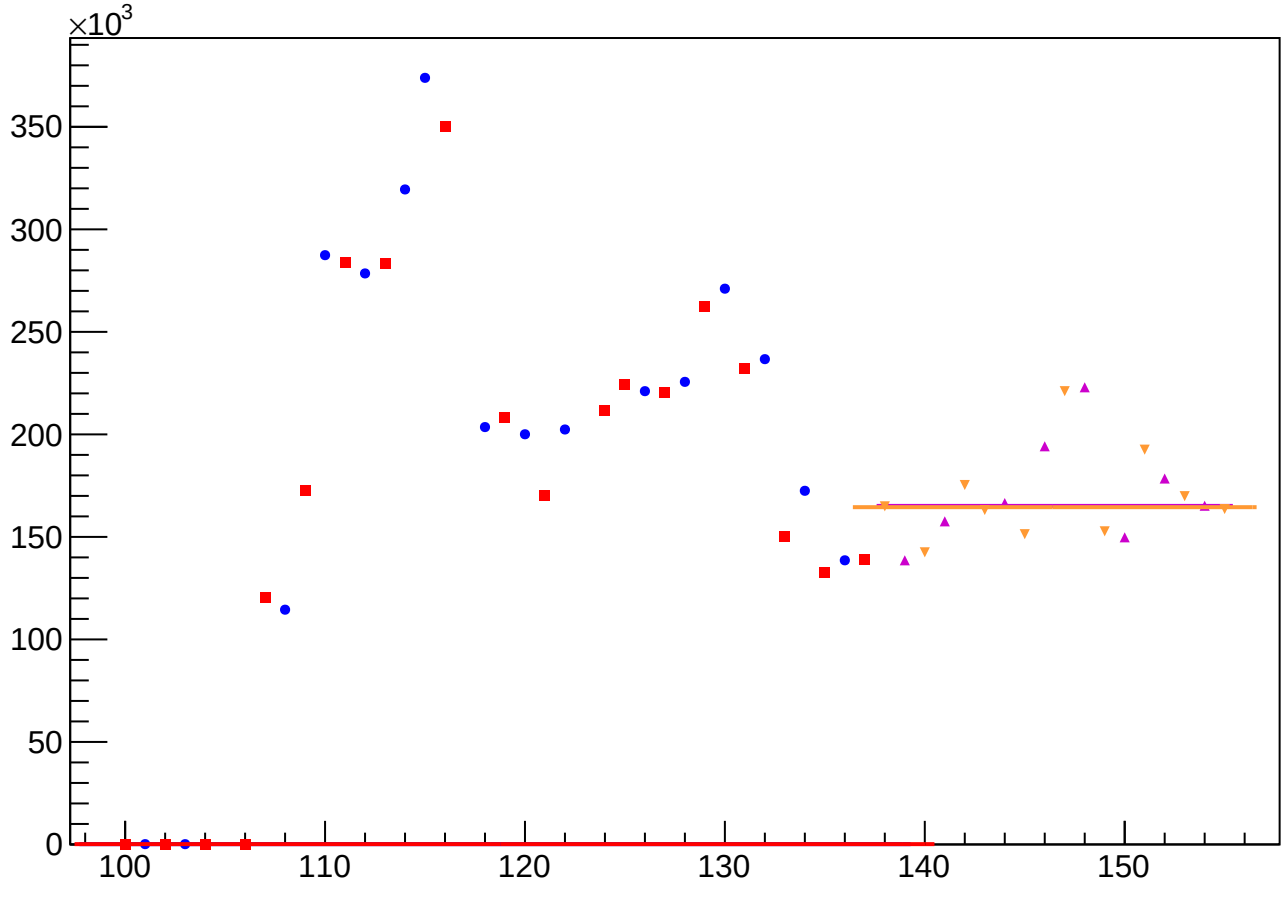
Left: 13.654+/-43.302 χ^2/NDF: 24.7/17

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:28.7/23

Out: -0.125+/-0.166 χ^2/NDF:22.6/28

All: -0.099+/-0.121 χ^2/NDF: 51.3/52



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 164497.576+/-42.002 χ^2/NDF:207706.5/9

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 165121.100+/-44.730 χ^2/NDF:242479.1/7

Left: 164789.749+/-30.619 χ^2/NDF: 450288.9/17

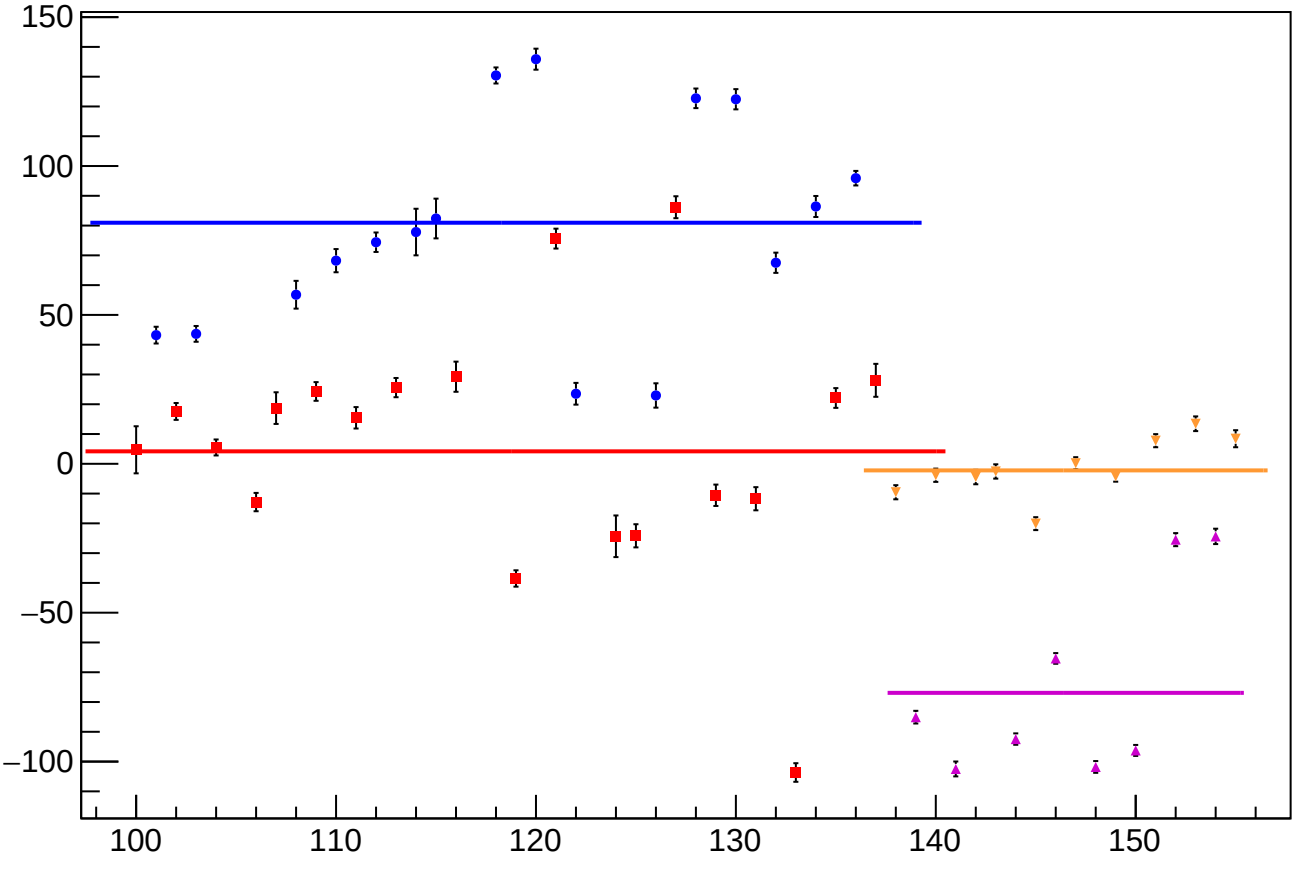
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 154.755+/-0.125 χ^2/NDF:25749281.4/23

Out: 157.449+/-0.118 χ^2/NDF:26847517.4/28

All: 156.186+/-0.086 χ^2/NDF: 52597044.2/52

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -2.216+/-0.711 χ^2/NDF:156.2/9

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -76.920+/-0.731 χ^2/NDF:1459.0/7

Left: -38.523+/-0.509 χ^2/NDF: 6987.8/17

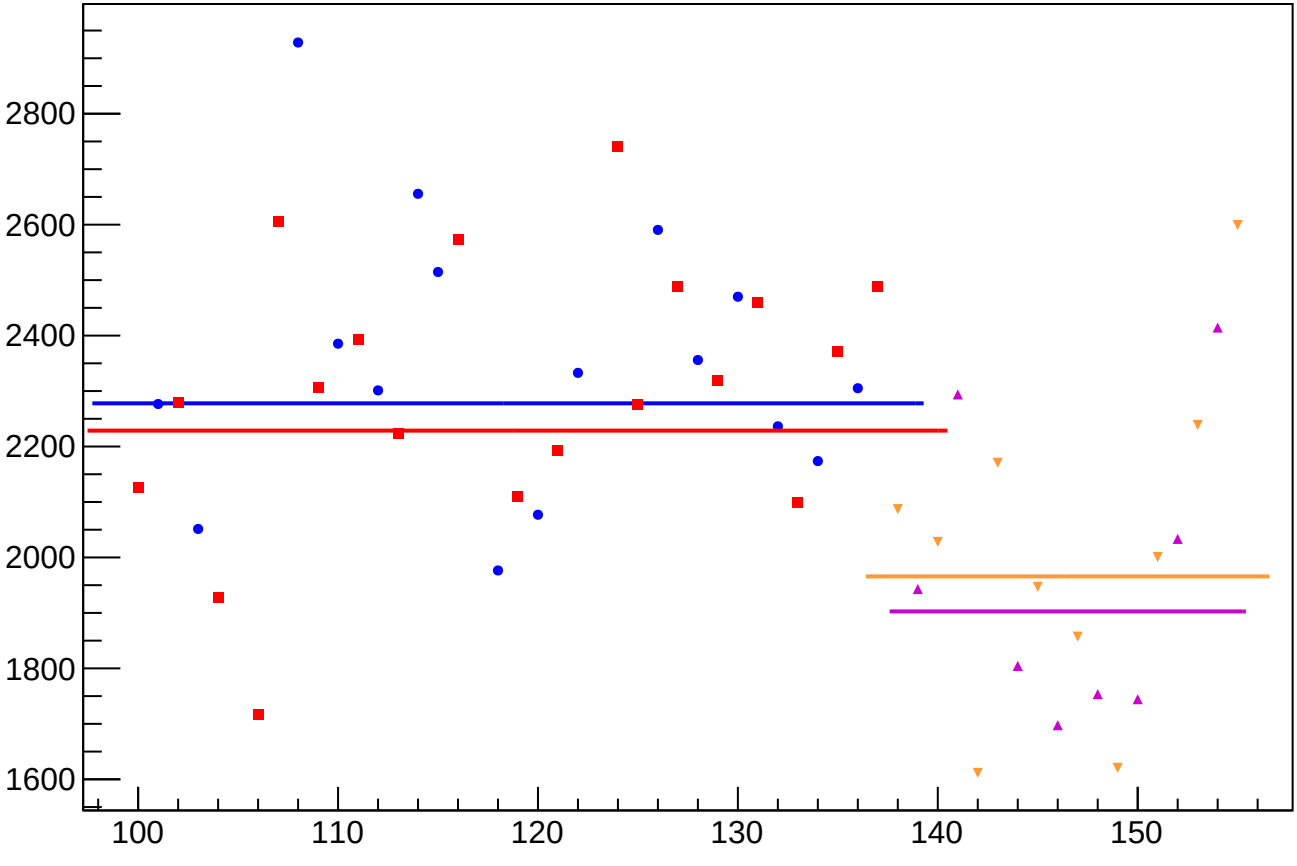
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -9.964+/-0.554 χ^2/NDF:23072.2/23

Out: 0.528+/-0.537 χ^2/NDF:2910.7/28

All: -4.550+/-0.386 χ^2/NDF: 26167.6/52

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1965.803+/-0.502 χ^2/NDF:267978.6/9

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 1902.687+/-0.517 χ^2/NDF:192939.0/7

Left: 1935.128+/-0.360 χ^2/NDF: 468587.7/17

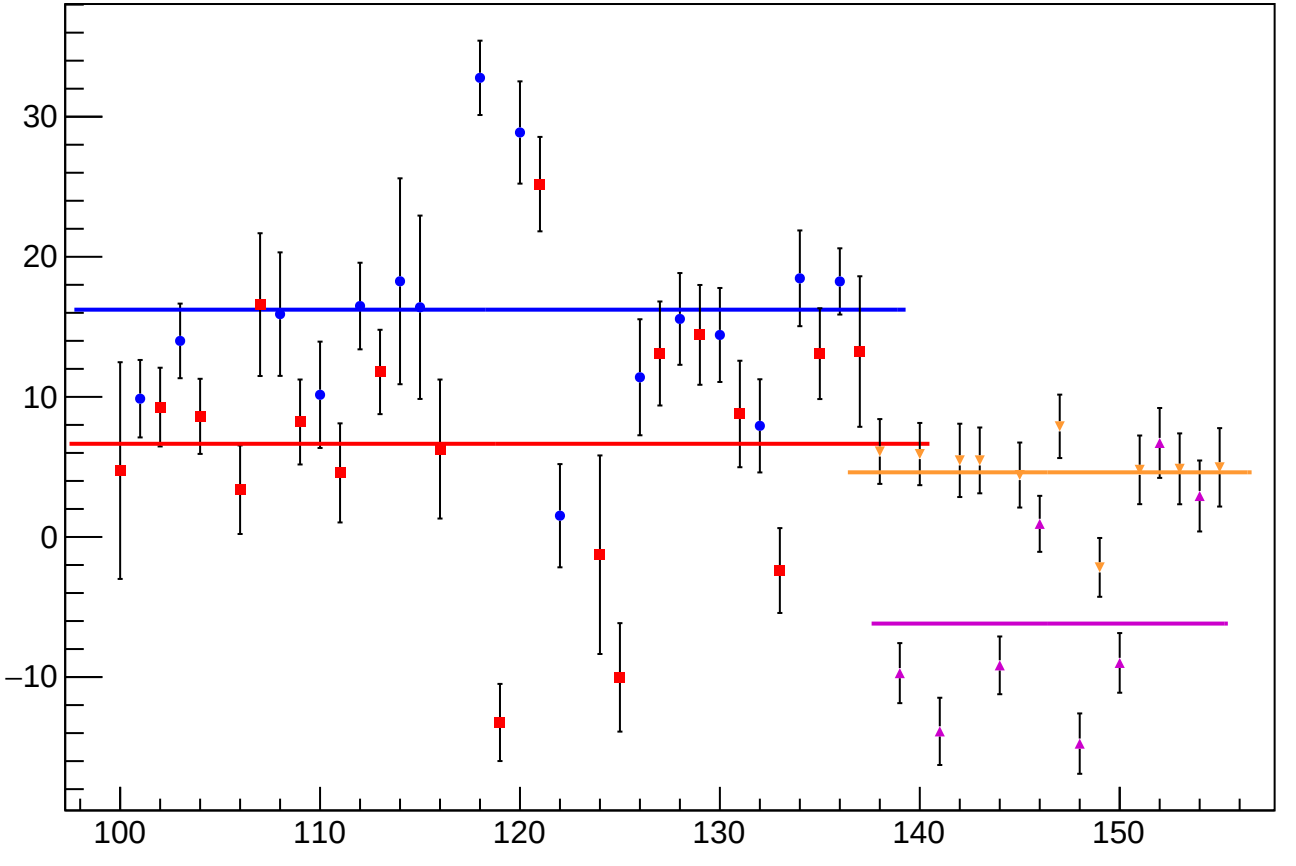
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2061.804+/-0.392 χ^2/NDF:532340.8/23

Out: 2078.521+/-0.380 χ^2/NDF:536505.9/28

All: 2070.430+/-0.273 χ^2/NDF: 1069784.7/52

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.615+/-0.751 χ^2/NDF:13.6/9

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -6.182+/-0.783 χ^2/NDF:85.0/7

Left: -0.552+/-0.542 χ^2/NDF: 197.6/17

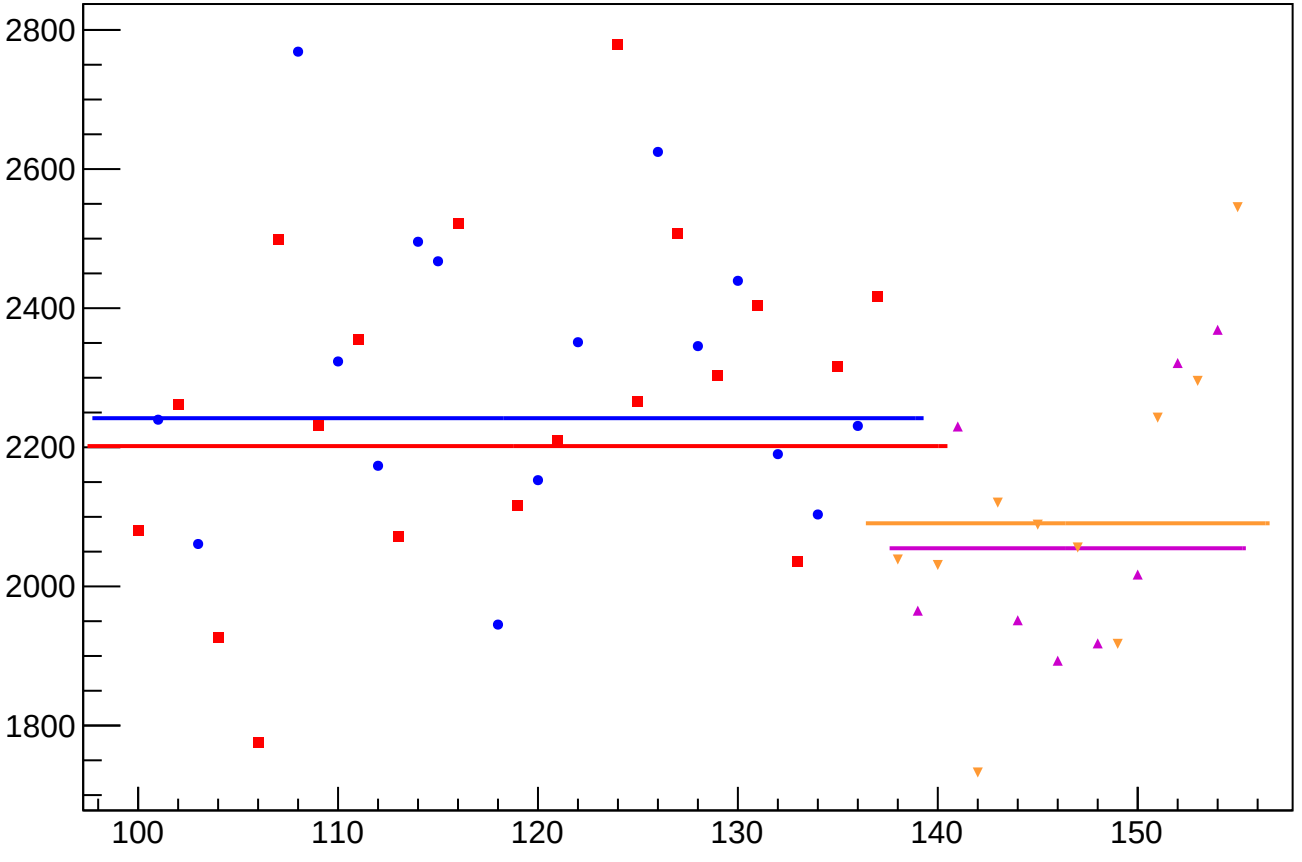
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.273+/-0.572 χ^2/NDF:551.3/23

Out: 5.557+/-0.550 χ^2/NDF:151.5/28

All: 4.940+/-0.397 χ^2/NDF: 705.4/52

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2090.753+/-0.531 χ^2/NDF:127896.0/9

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2054.855+/-0.554 χ^2/NDF:94494.9/7

Left: 2073.572+/-0.383 χ^2/NDF: 224580.5/17

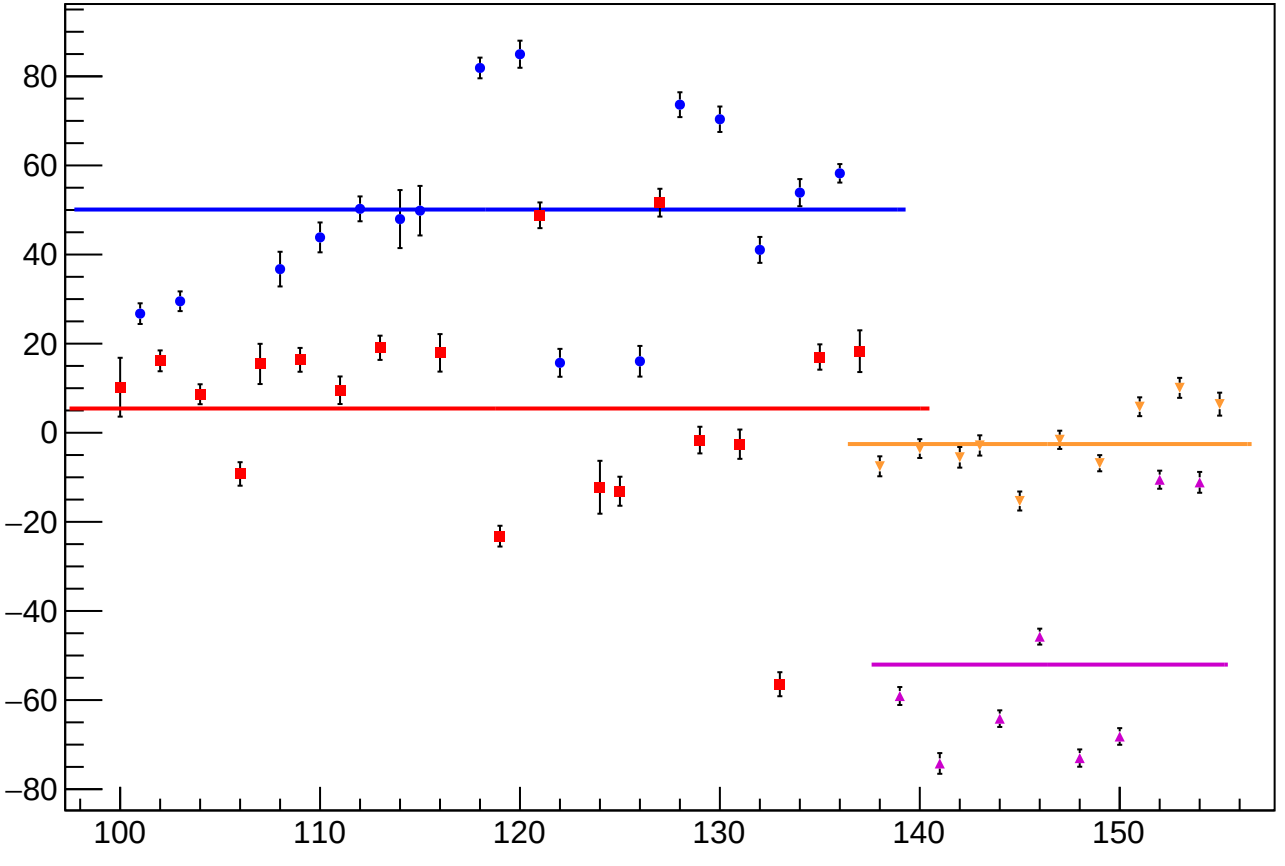
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2142.104+/-0.405 χ^2/NDF:249929.5/23

Out: 2142.073+/-0.389 χ^2/NDF:277999.5/28

All: 2142.088+/-0.280 χ^2/NDF: 527929.0/52

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -2.535+/-0.684 χ^2/NDF:108.1/9

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -52.038+/-0.706 χ^2/NDF:1072.7/7

Left: -26.505+/-0.491 χ^2/NDF: 3719.2/17

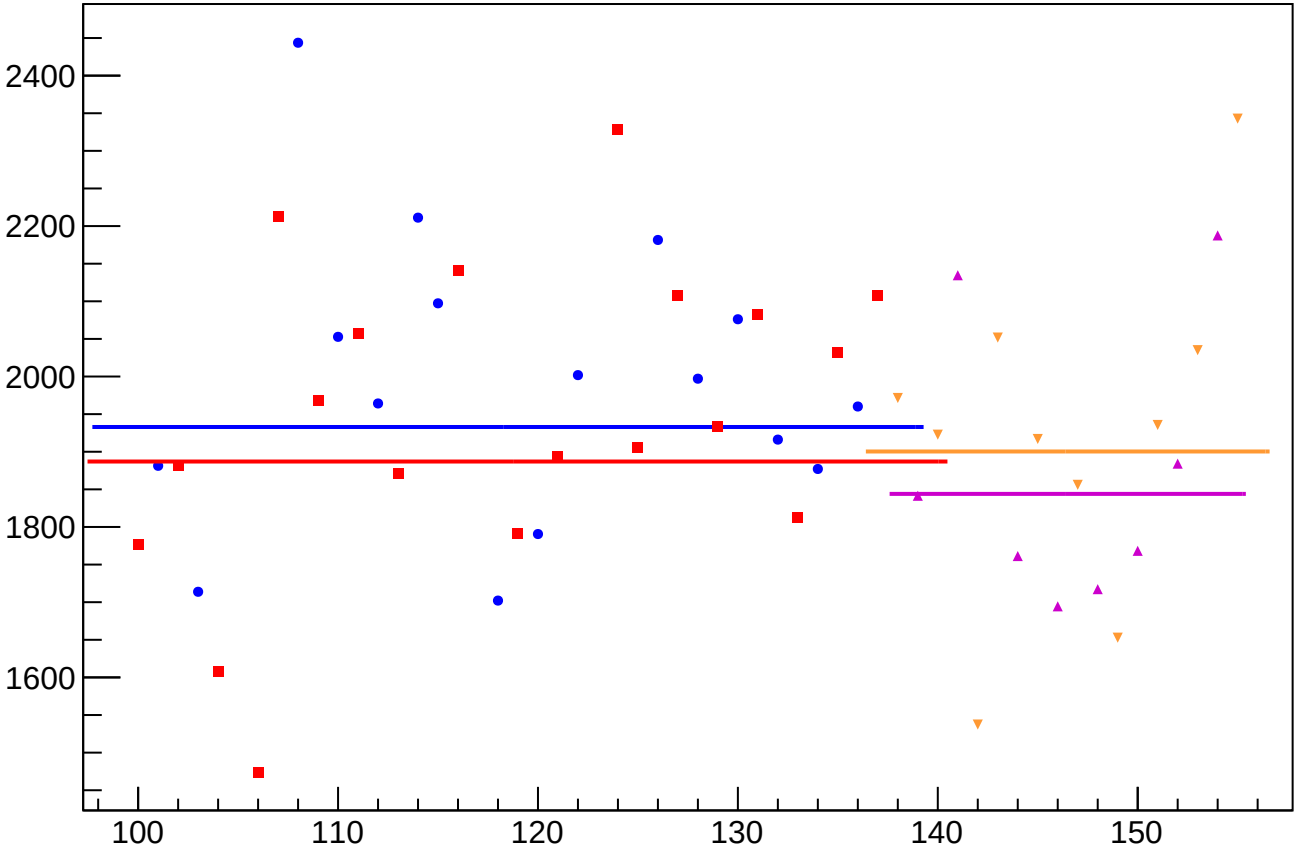
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -2.147+/-0.505 χ^2/NDF:12195.3/23

Out: 1.393+/-0.487 χ^2/NDF:1486.7/28

All: -0.314+/-0.351 χ^2/NDF: 13707.5/52

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1900.348+/-0.483 χ^2/NDF:165159.1/9

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1843.973+/-0.499 χ^2/NDF:104862.3/7

Left: 1873.050+/-0.347 χ^2/NDF: 276605.5/17

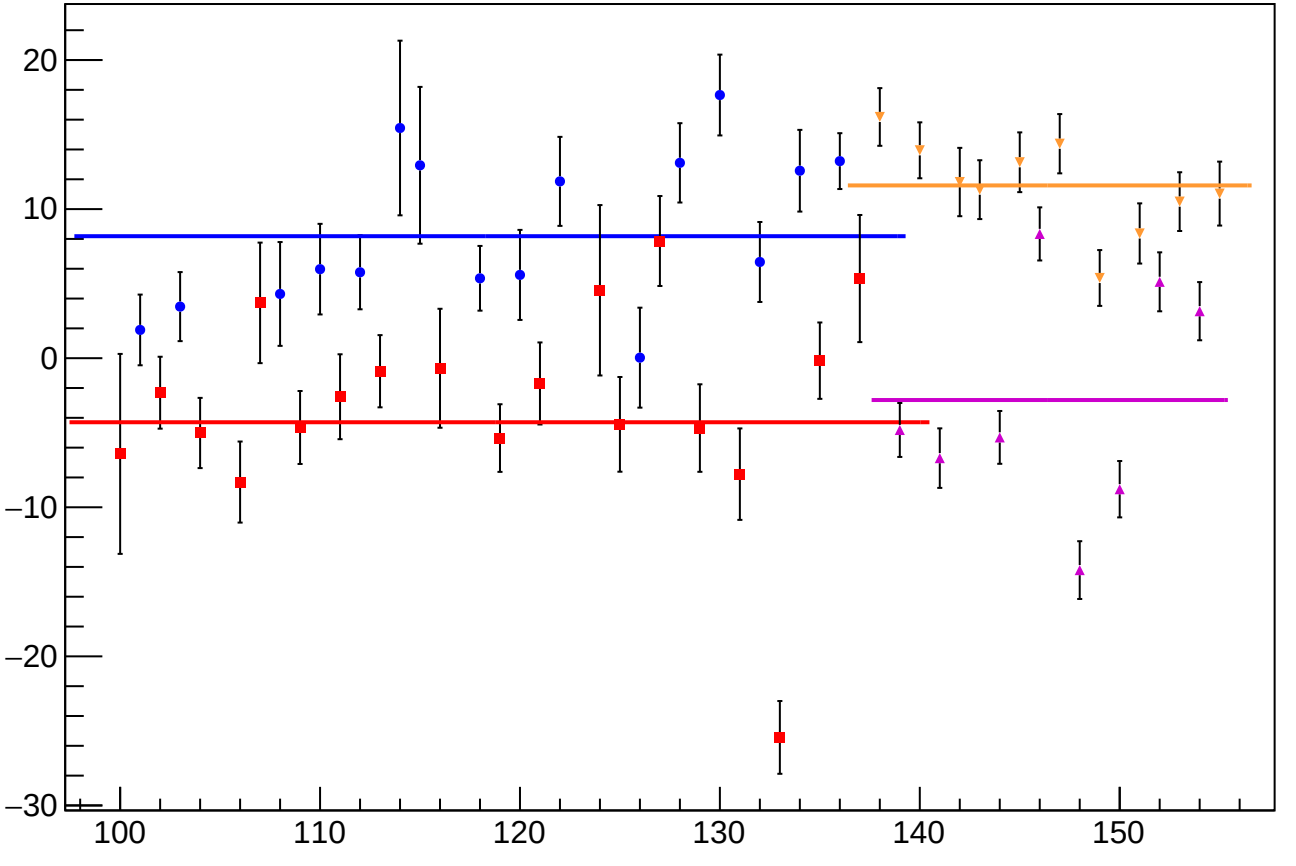
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1887.412+/-0.357 χ^2/NDF:226346.3/23

Out: 1893.779+/-0.344 χ^2/NDF:315280.6/28

All: 1890.708+/-0.248 χ^2/NDF: 541791.7/52

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.589+/-0.632 χ^2/NDF:23.7/9

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -2.806+/-0.666 χ^2/NDF:116.2/7

Left: 4.772+/-0.458 χ^2/NDF: 385.9/17

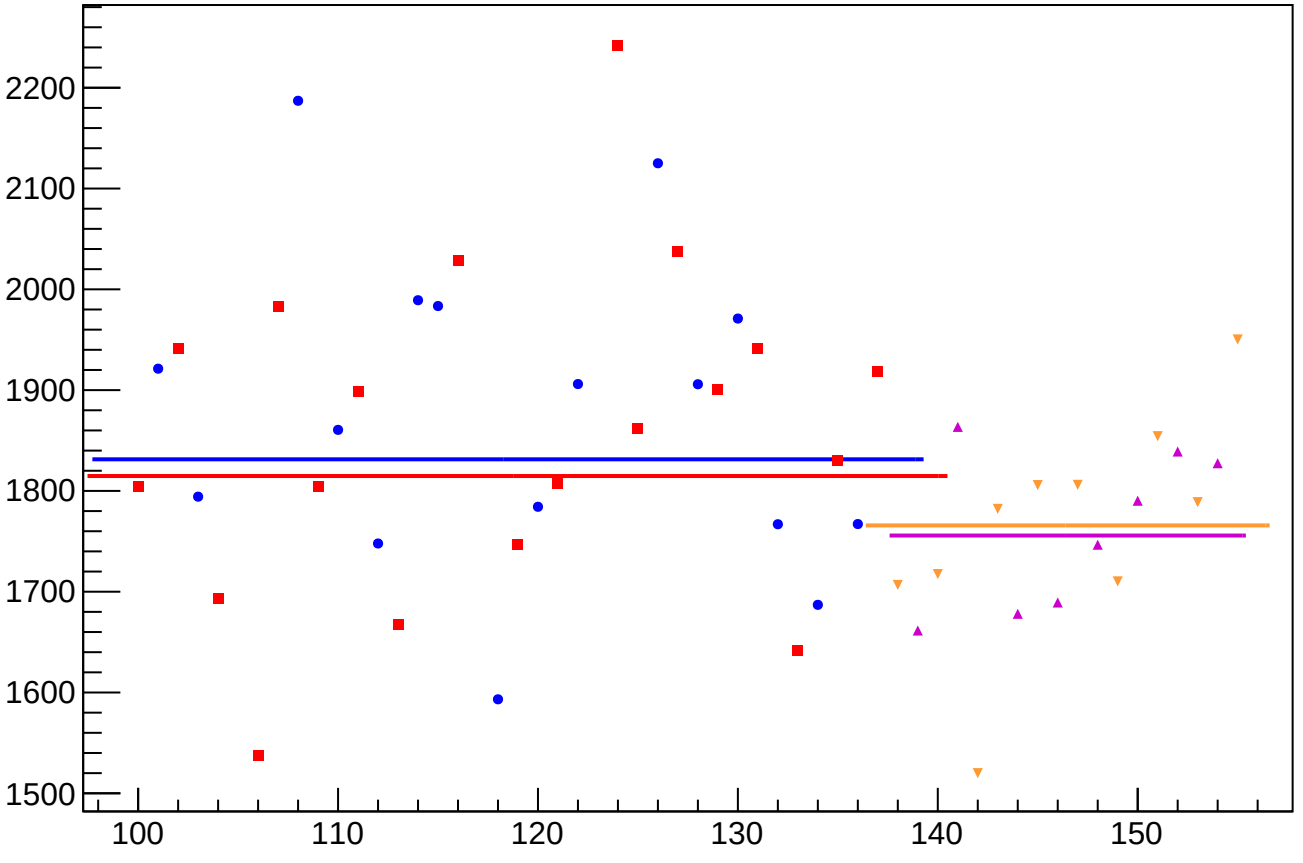
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 2.546+/-0.477 χ^2/NDF:300.8/23

Out: 4.059+/-0.458 χ^2/NDF:437.4/28

All: 3.333+/-0.330 χ^2/NDF: 743.4/52

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1765.771+/-0.447 χ^2/NDF:48628.1/9

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1755.738+/-0.471 χ^2/NDF:24844.8/7

Left: 1761.019+/-0.324 χ^2/NDF: 73711.9/17

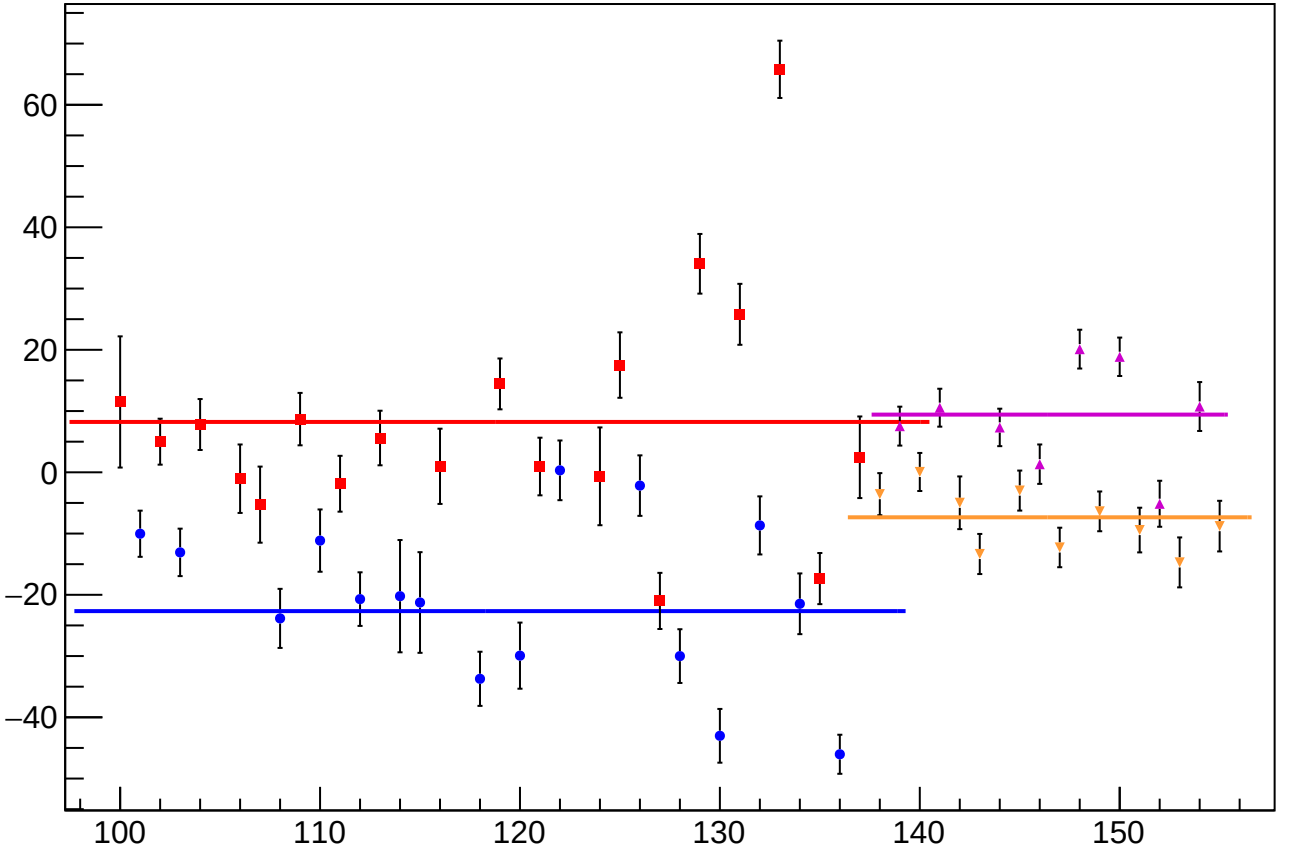
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1792.564+/-0.337 χ^2/NDF:124321.3/23

Out: 1788.997+/-0.324 χ^2/NDF:145071.5/28

All: 1790.709+/-0.234 χ^2/NDF: 269451.0/52

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -7.346+/-1.108 χ^2/NDF:18.4/9

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 9.420+/-1.161 χ^2/NDF:42.8/7

Left: 0.648+/-0.802 χ^2/NDF: 170.4/17

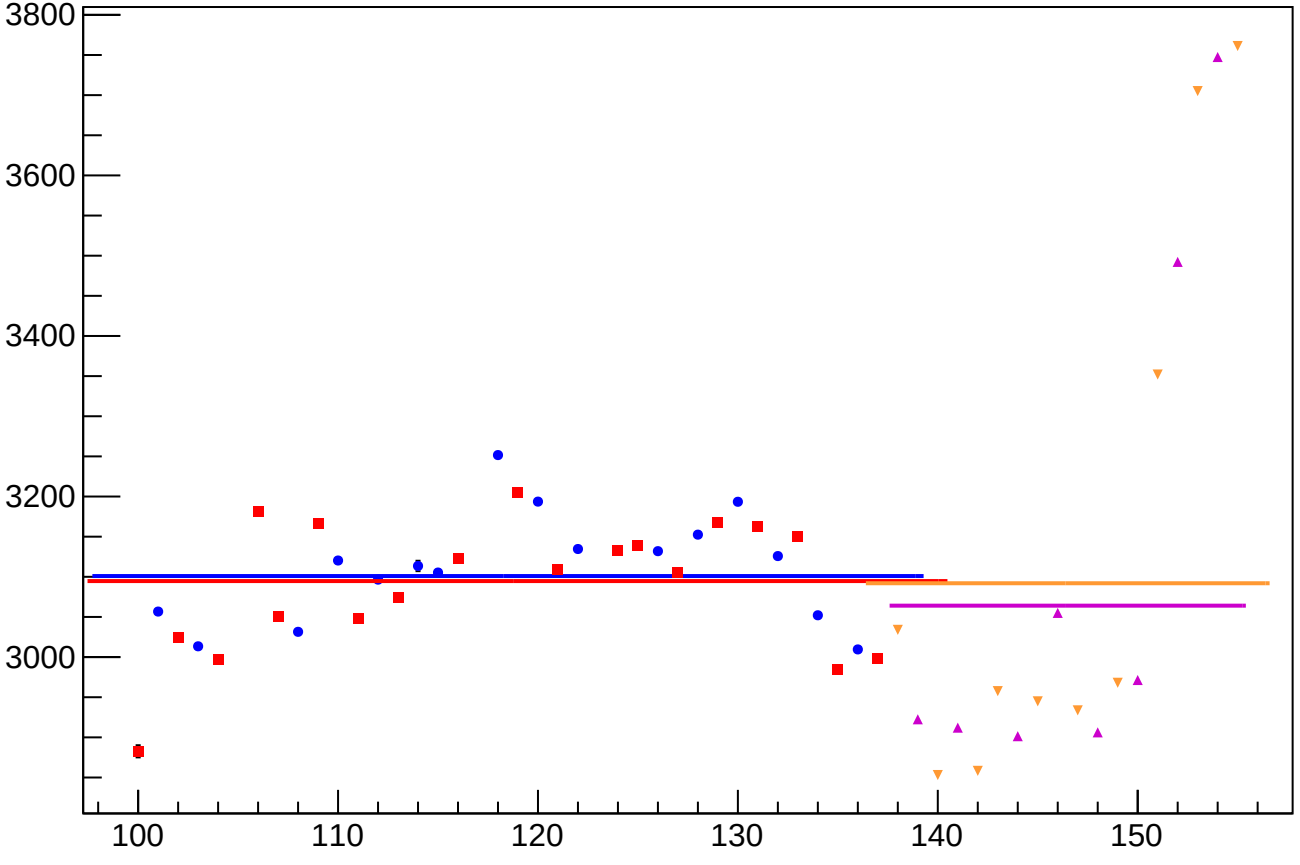
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -6.748+/-0.818 χ^2/NDF:584.8/23

Out: 0.296+/-0.791 χ^2/NDF:410.1/28

All: -3.108+/-0.568 χ^2/NDF: 1033.3/52

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3091.976+/-0.784 χ^2/NDF:141231.2/9

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3064.068+/-0.821 χ^2/NDF:105794.2/7

Left: 3078.670+/-0.567 χ^2/NDF: 247629.9/17

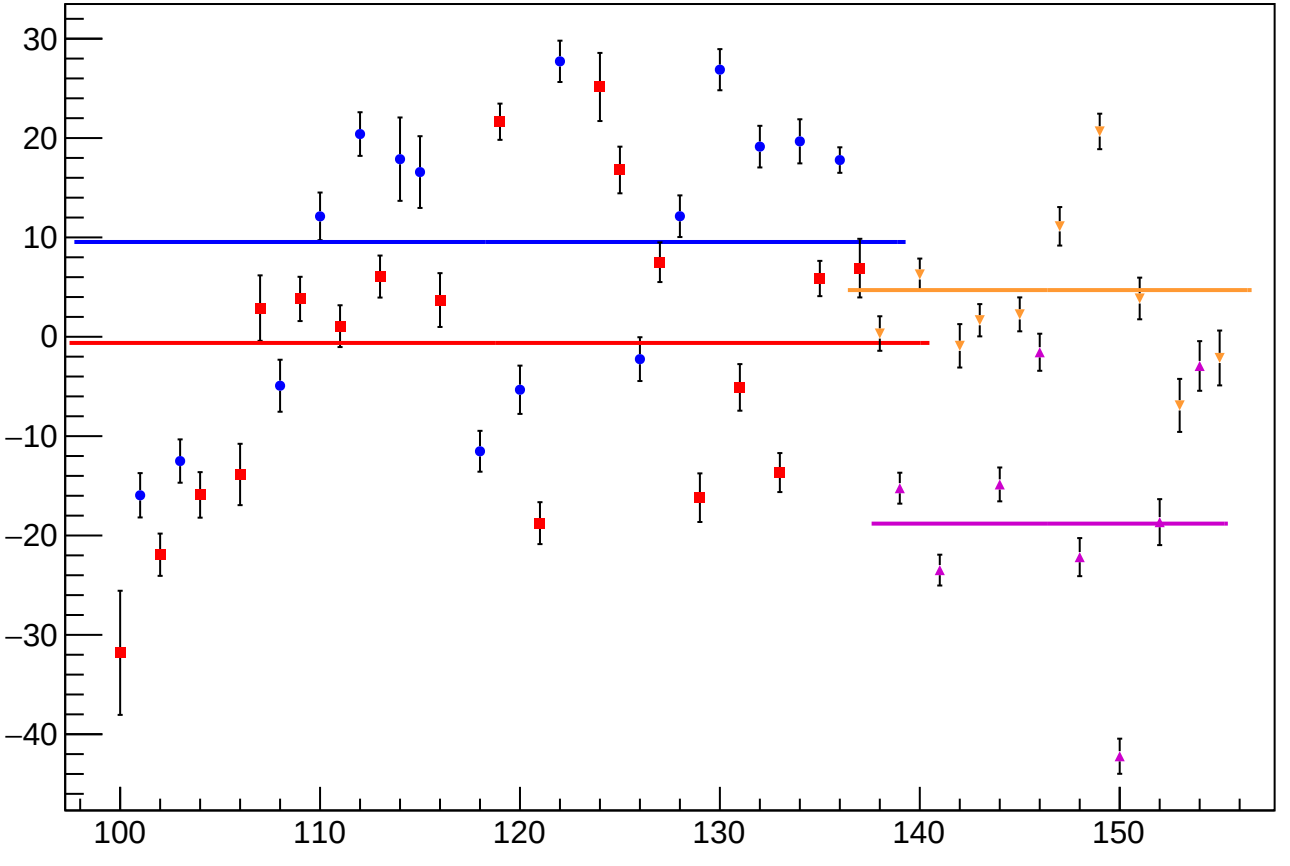
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3082.650+/-0.578 χ^2/NDF:114704.4/23

Out: 3093.307+/-0.559 χ^2/NDF:149821.5/28

All: 3088.157+/-0.402 χ^2/NDF: 264701.4/52

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 4.699+/-0.605 χ^2/NDF:135.5/9

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -18.804+/-0.646 χ^2/NDF:324.0/7

Left: -6.286+/-0.441 χ^2/NDF: 1165.5/17

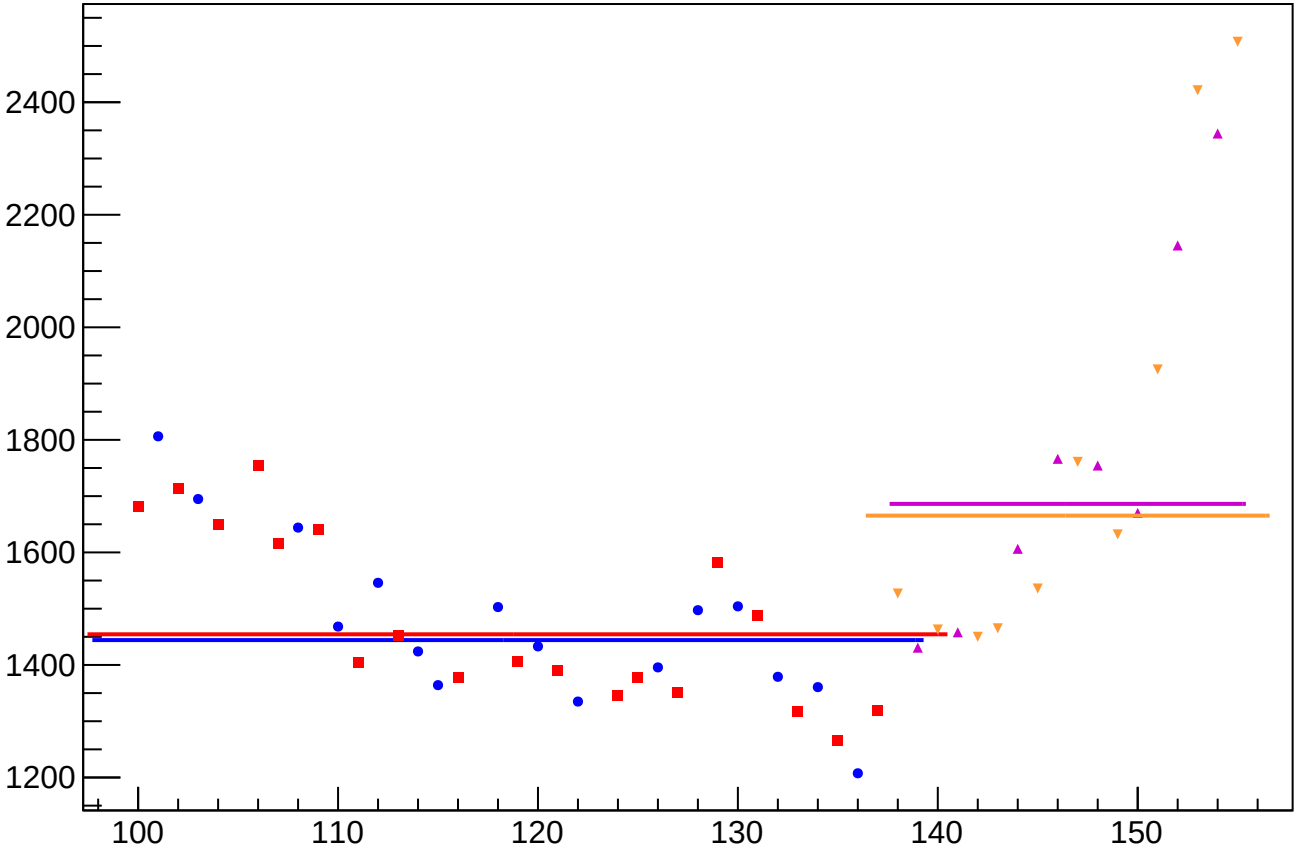
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -2.161+/-0.415 χ^2/NDF:2154.7/23

Out: 1.711+/-0.400 χ^2/NDF:844.8/28

All: -0.156+/-0.288 χ^2/NDF: 3044.6/52

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1665.382+/-0.428 χ^2/NDF:489055.3/9

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1686.243+/-0.456 χ^2/NDF:325510.7/7

Left: 1675.133+/-0.312 χ^2/NDF: 815678.3/17

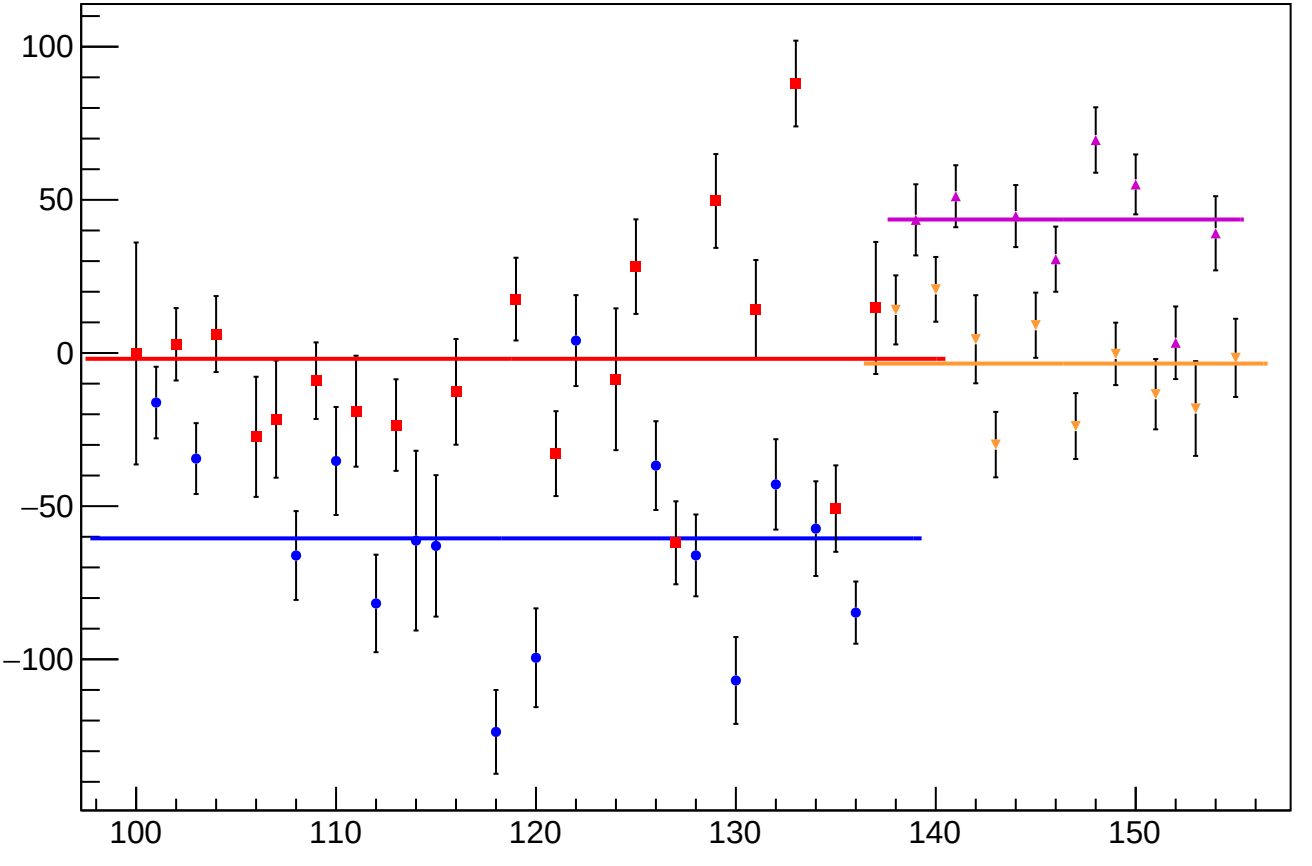
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1544.112+/-0.293 χ^2/NDF:670754.1/23

Out: 1546.891+/-0.283 χ^2/NDF:768488.3/28

All: 1545.551+/-0.204 χ^2/NDF: 1439288.9/52

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -3.444+/-3.641 χ^2/NDF:20.9/9

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 43.584+/-3.809 χ^2/NDF:21.0/7

Left: 19.009+/-2.632 χ^2/NDF: 121.5/17

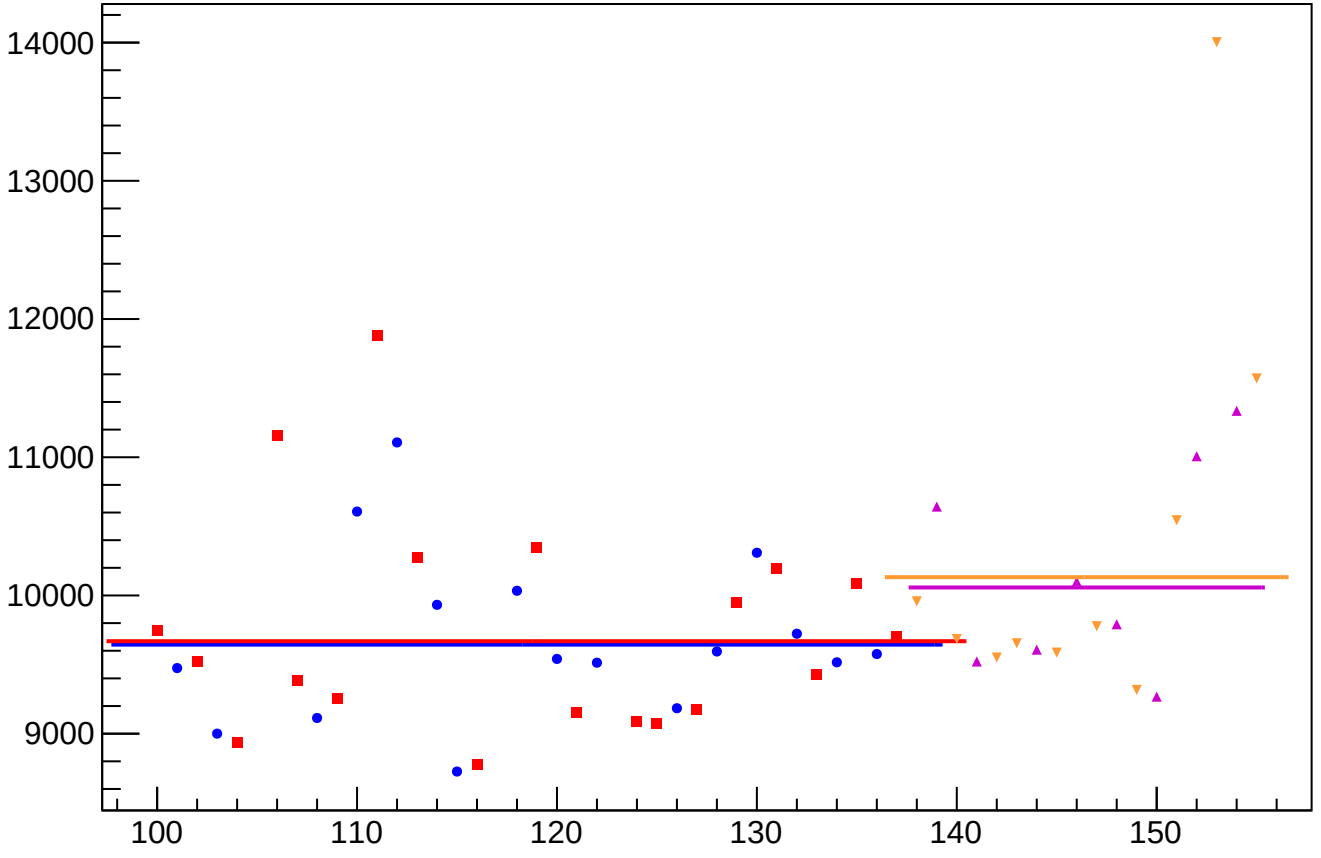
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -11.453+/-2.615 χ^2/NDF:506.3/23

Out: -2.648+/-2.539 χ^2/NDF:124.8/28

All: -6.921+/-1.822 χ^2/NDF: 636.9/52

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10132.452+/-2.574 χ^2/NDF:184838.8/9

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10057.825+/-2.693 χ^2/NDF:64056.4/7

Left: 10096.823+/-1.861 χ^2/NDF: 249296.3/17

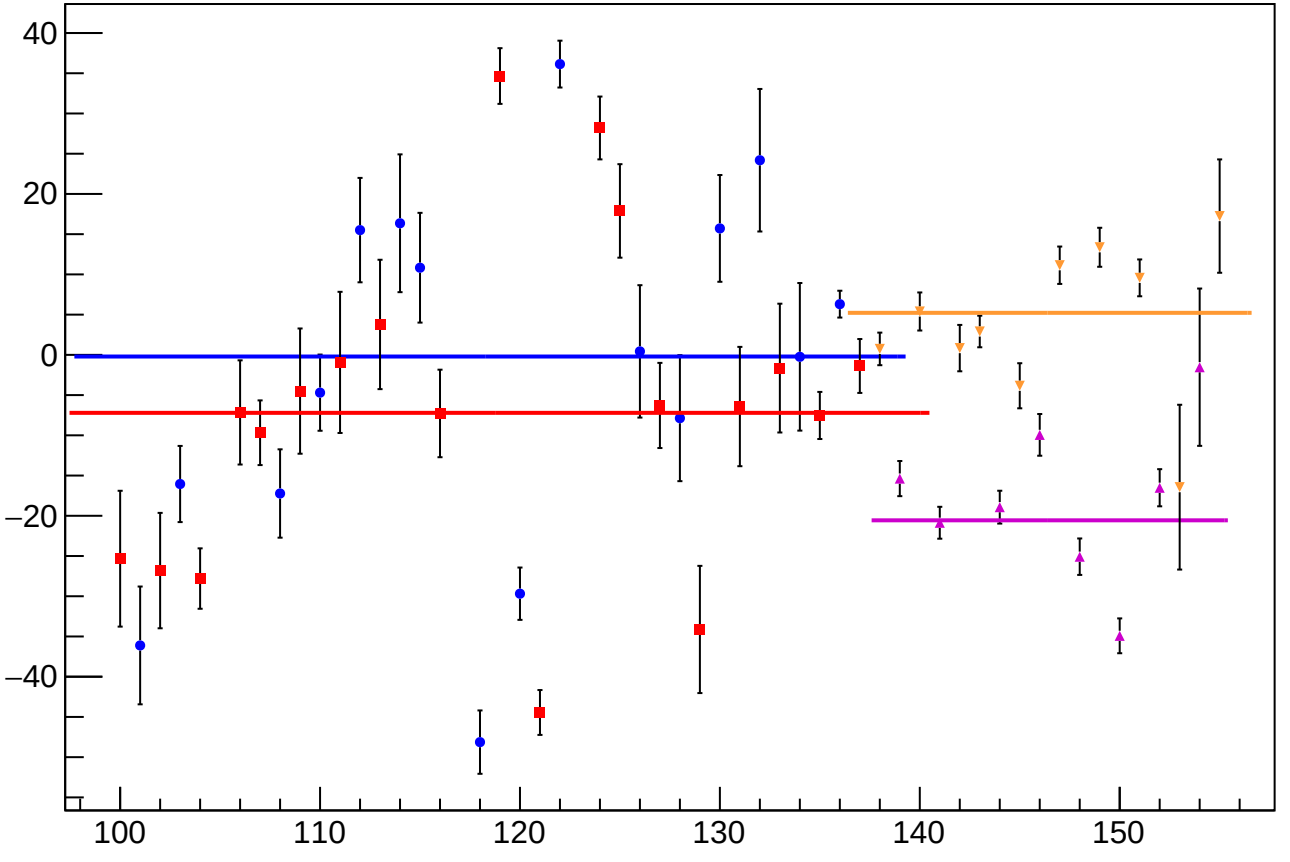
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9839.248+/-1.849 χ^2/NDF:120615.5/23

Out: 9894.483+/-1.795 χ^2/NDF:281353.2/28

All: 9867.678+/-1.288 χ^2/NDF: 402428.1/52

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 5.224+/-0.815 χ^2/NDF:47.9/9

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -20.564+/-0.828 χ^2/NDF:77.9/7

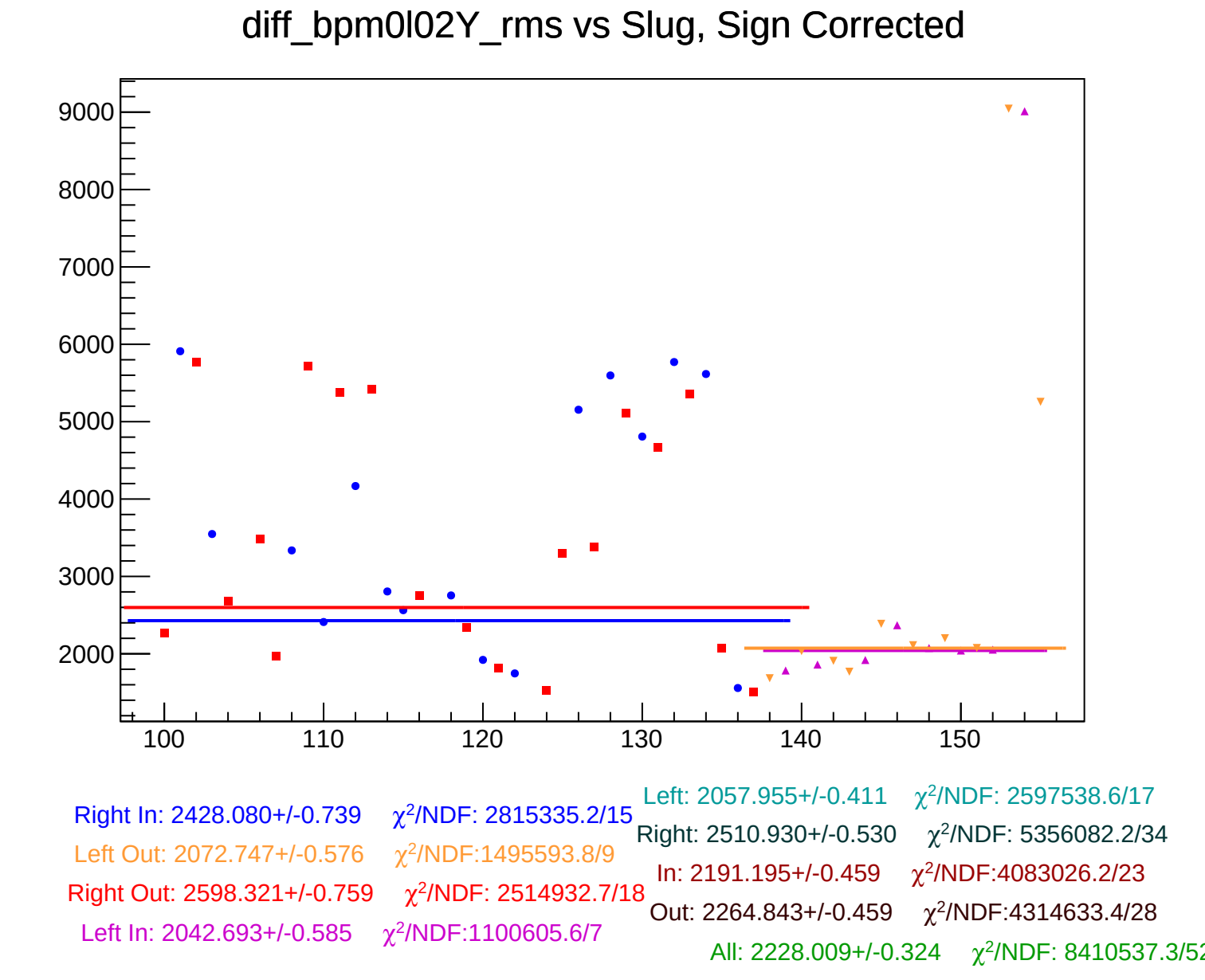
Left: -7.469+/-0.581 χ^2/NDF: 618.8/17

Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

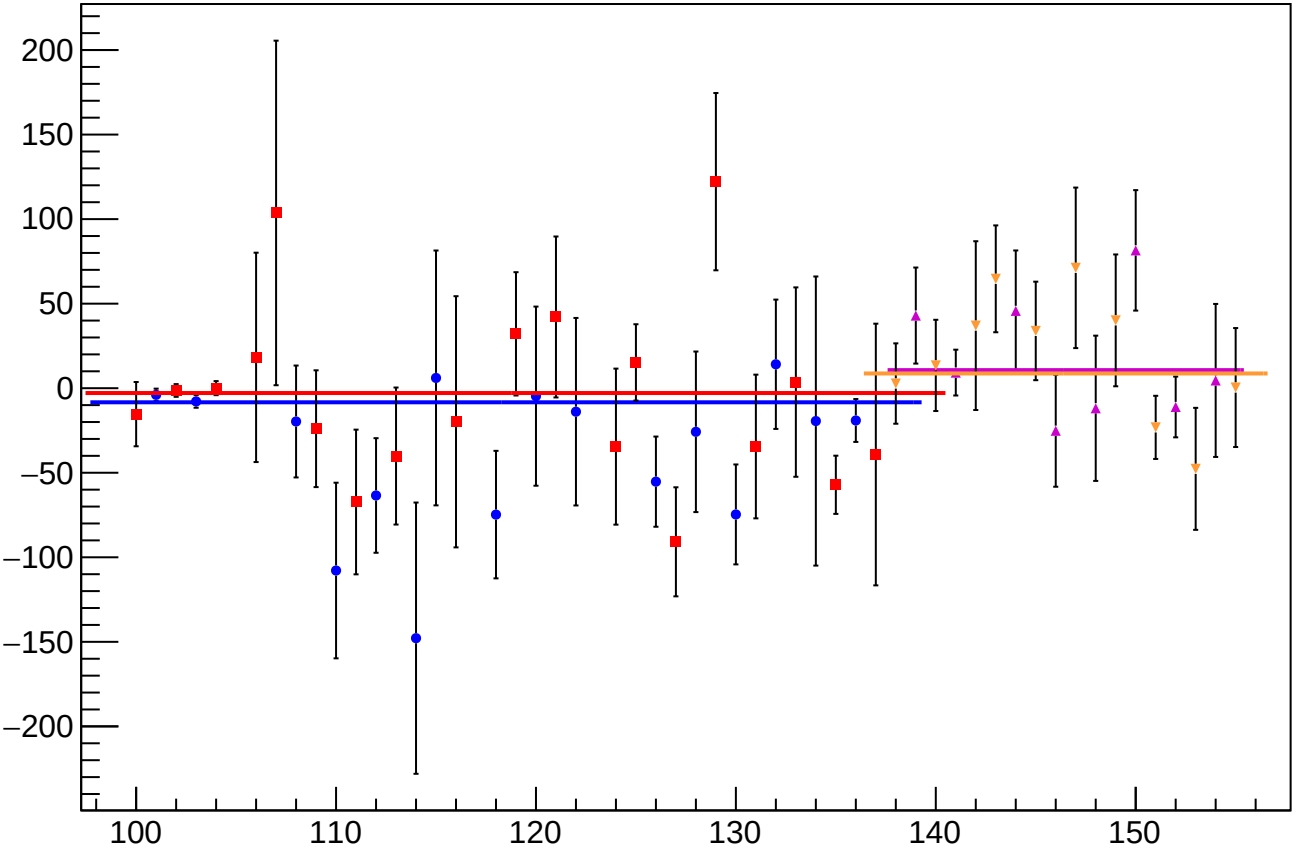
In: -12.720+/-0.649 χ^2/NDF:784.7/23

Out: 0.681+/-0.649 χ^2/NDF:618.6/28

All: -6.021+/-0.459 χ^2/NDF: 1616.5/52


diff_bpm0l02Y_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 2428.080+/-0.739 χ²/NDF: 2815335.2/15
Left Out: 2072.747+/-0.576 χ²/NDF:1495593.8/9
Right Out: 2598.321+/-0.759 χ²/NDF: 2514932.7/18
Left In: 2042.693+/-0.585 χ²/NDF:1100605.6/7
Left: 2057.955+/-0.411 χ²/NDF: 2597538.6/17
Right: 2510.930+/-0.530 χ²/NDF: 5356082.2/34
In: 2191.195+/-0.459 χ²/NDF:4083026.2/23
Out: 2264.843+/-0.459 χ²/NDF:4314633.4/28
All: 2228.009+/-0.324 χ²/NDF: 8410537.3/52

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 8.715+/-9.419 χ^2/NDF:12.1/9

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 10.693+/-8.672 χ^2/NDF:9.2/7

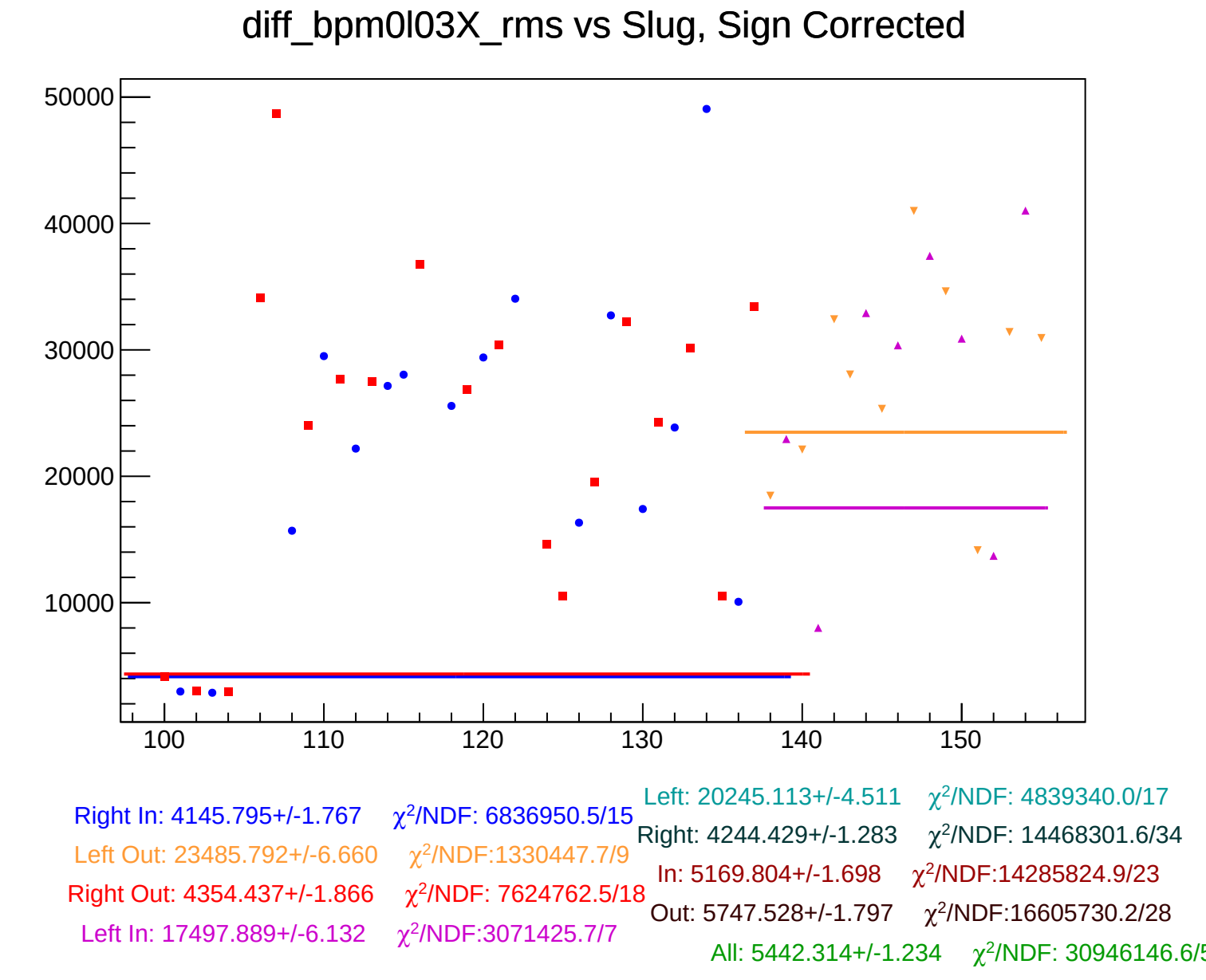
Left: 9.786+/-6.380 χ^2/NDF: 21.3/17

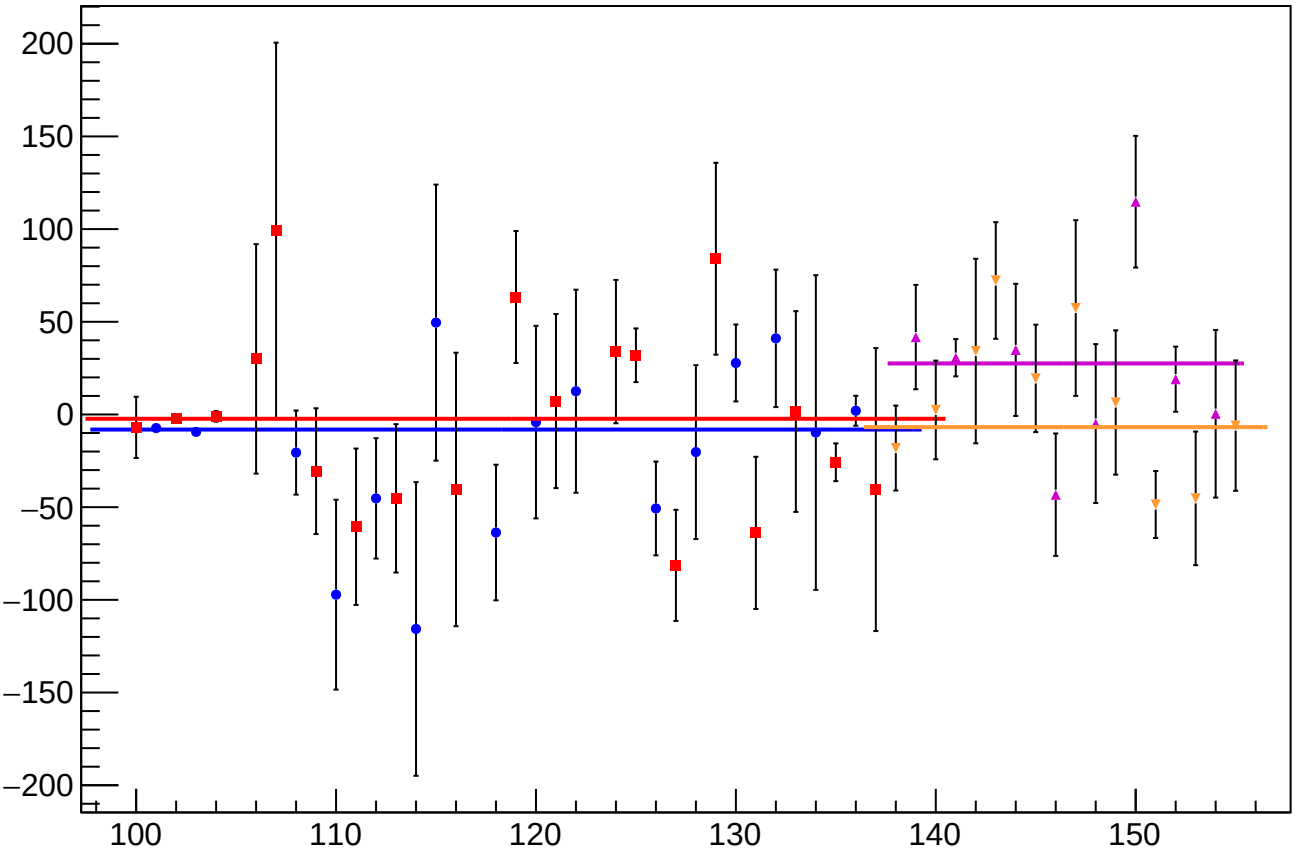
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.873+/-2.402 χ^2/NDF:37.0/23

Out: -2.006+/-2.542 χ^2/NDF:46.1/28

All: -4.577+/-1.746 χ^2/NDF: 85.1/52


diff_bpm0l03X_rms vs Slug, Sign Corrected
50000
40000
30000
20000
10000
100
110
120
130
140
150
Right In: 4145.795+/-1.767 χ²/NDF: 6836950.5/15
Left Out: 23485.792+/-6.660 χ²/NDF:1330447.7/9
Right Out: 4354.437+/-1.866 χ²/NDF: 7624762.5/18
Left In: 17497.889+/-6.132 χ²/NDF:3071425.7/7
Left: 20245.113+/-4.511 χ²/NDF: 4839340.0/17
Right: 4244.429+/-1.283 χ²/NDF: 14468301.6/34
In: 5169.804+/-1.698 χ²/NDF:14285824.9/23
Out: 5747.528+/-1.797 χ²/NDF:16605730.2/28
All: 5442.314+/-1.234 χ²/NDF: 30946146.6/5



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -6.825+/-9.257 χ^2/NDF:16.6/9

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 27.532+/-7.474 χ^2/NDF:12.2/7

Left: 13.974+/-5.815 χ^2/NDF: 37.1/17

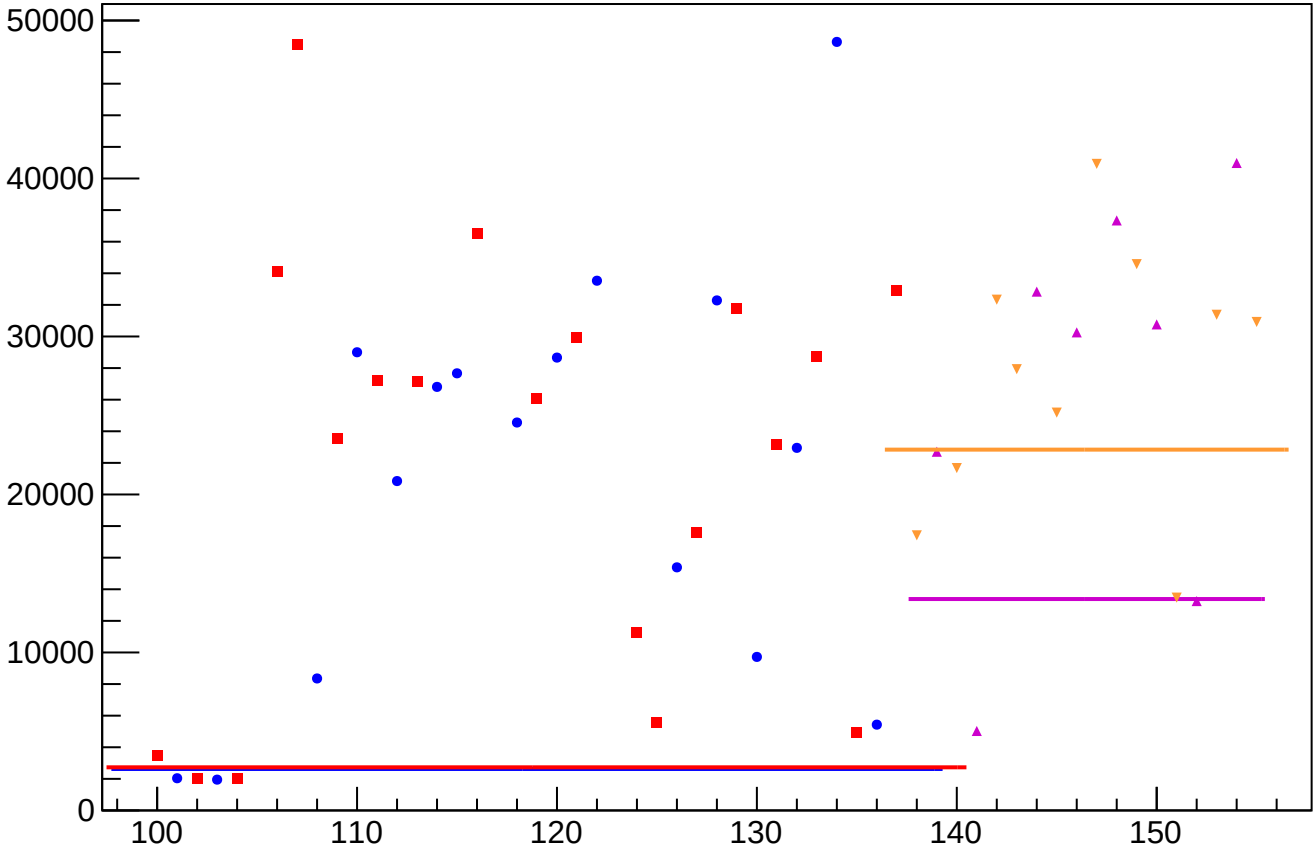
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.338+/-1.677 χ^2/NDF:52.9/23

Out: -2.492+/-1.787 χ^2/NDF:49.9/28

All: -4.538+/-1.223 χ^2/NDF: 105.3/52

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 22838.259+/-6.546 χ^2/NDF:1482621.8/9

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 13381.909+/-5.285 χ^2/NDF:4563784.6/7

Left: 17113.544+/-4.112 χ^2/NDF: 7309825.1/17

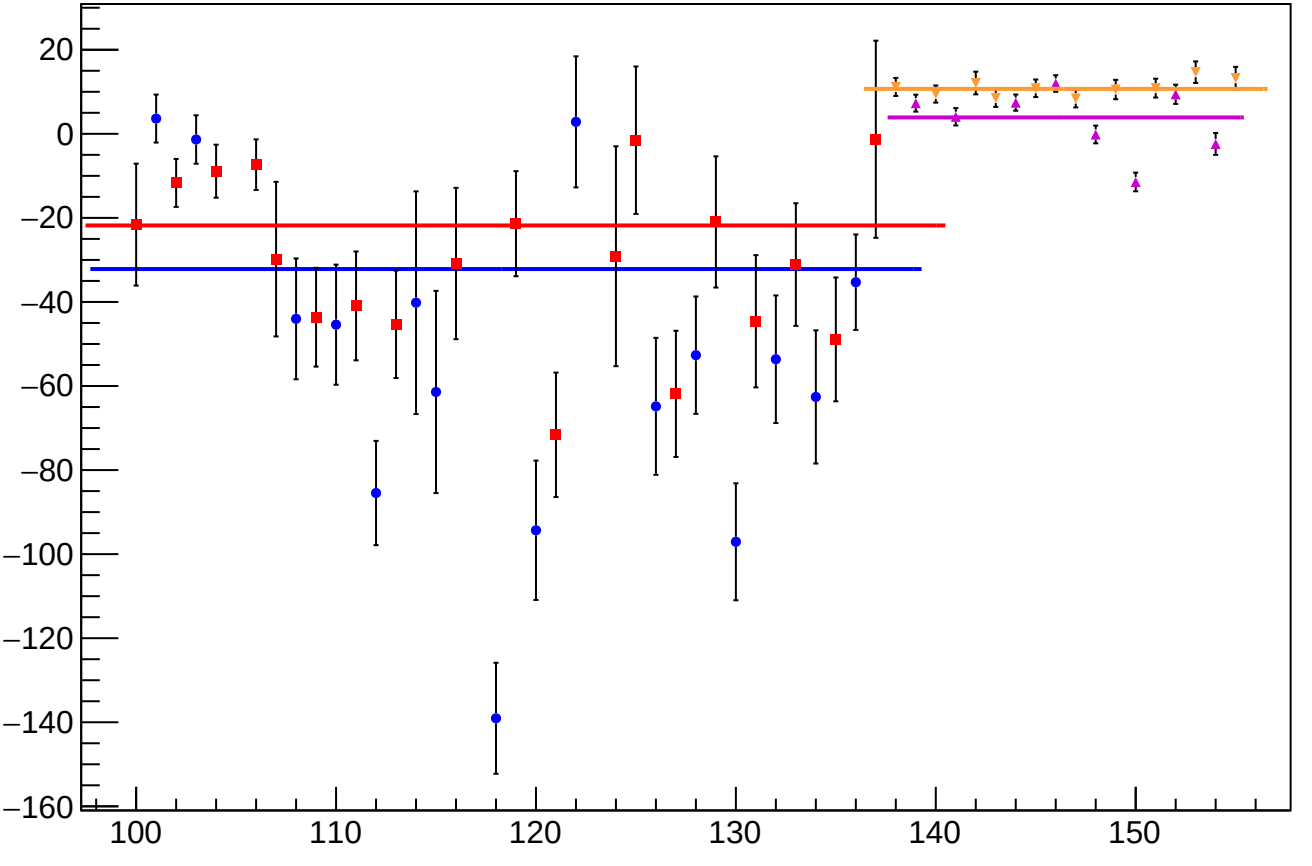
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3167.628+/-1.185 χ^2/NDF:15278014.7/23

Out: 3479.860+/-1.264 χ^2/NDF:18553267.1/28

All: 3313.764+/-0.865 χ^2/NDF: 33863747.9/5

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.697+/-0.716 χ^2/NDF:6.2/9

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 3.900+/-0.752 χ^2/NDF:86.0/7

Left: 7.461+/-0.519 χ^2/NDF: 135.1/17

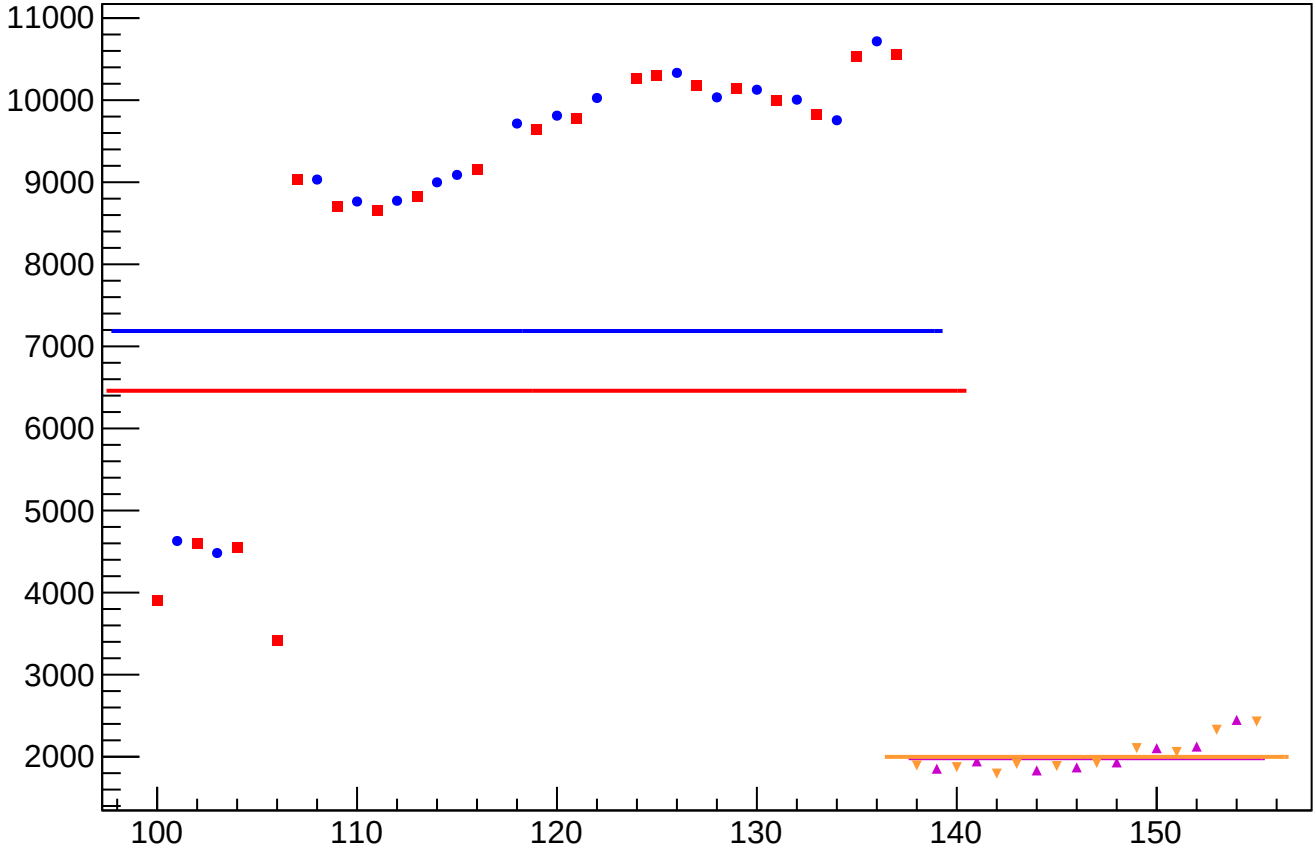
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.542+/-0.727 χ^2/NDF:444.3/23

Out: 8.332+/-0.690 χ^2/NDF:205.1/28

All: 5.113+/-0.500 χ^2/NDF: 695.3/52

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1998.586+/-0.507 χ^2/NDF:126217.6/9

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 1982.179+/-0.531 χ^2/NDF:105808.2/7

Left: 1990.776+/-0.367 χ^2/NDF: 232525.2/17

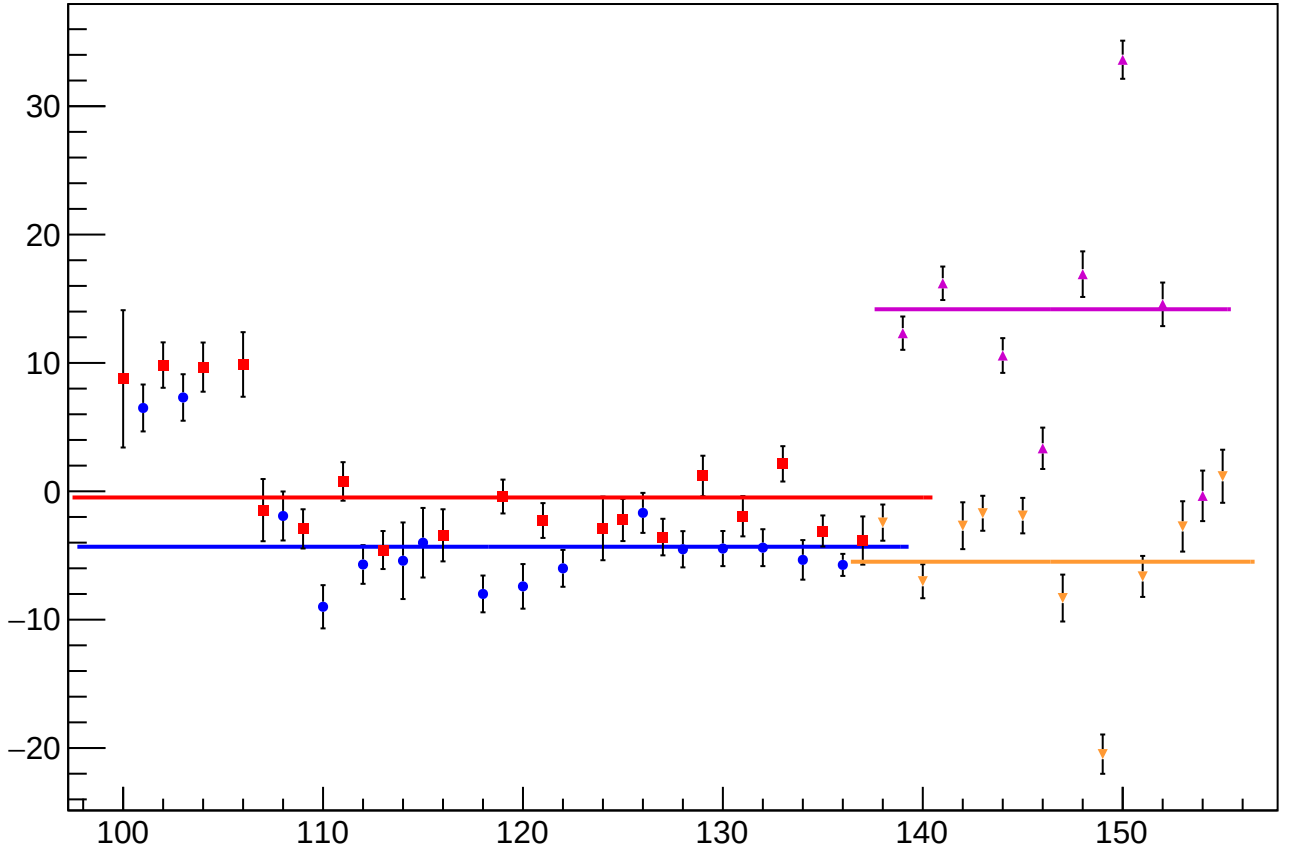
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2322.499+/-0.514 χ^2/NDF:8083247.4/23

Out: 2323.174+/-0.488 χ^2/NDF:8044906.1/28

All: 2322.854+/-0.354 χ^2/NDF: 16128154.4/5

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -5.486+/-0.497 χ^2/NDF:133.9/9

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 14.181+/-0.535 χ^2/NDF:285.0/7

Left: 3.617+/-0.364 χ^2/NDF: 1143.7/17

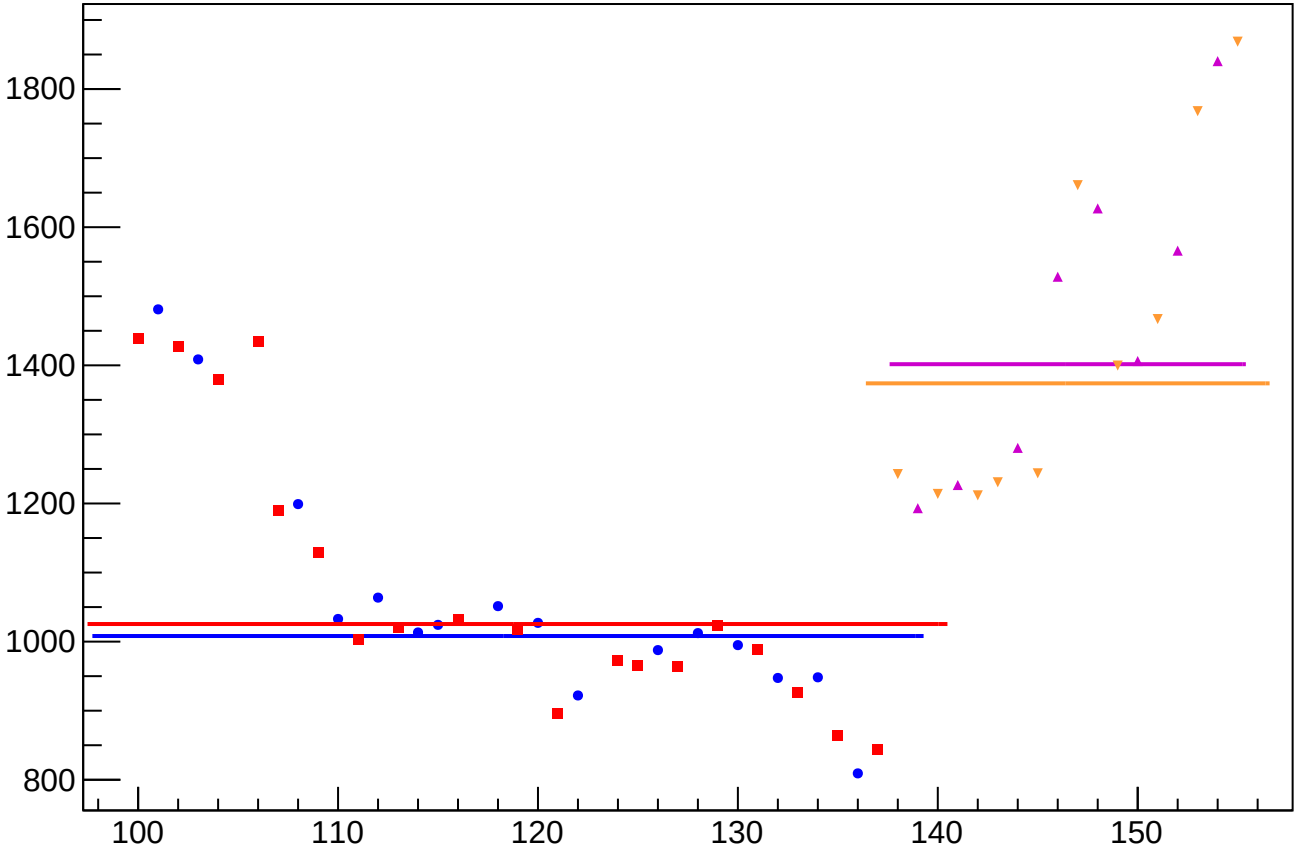
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.873+/-0.310 χ^2/NDF:1183.0/23

Out: -2.319+/-0.301 χ^2/NDF:315.2/28

All: -0.282+/-0.216 χ^2/NDF: 1592.4/52

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1373.919+/-0.351 χ^2/NDF:354205.5/9

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1401.663+/-0.379 χ^2/NDF:266441.2/7

Left: 1386.760+/-0.258 χ^2/NDF: 623531.6/17

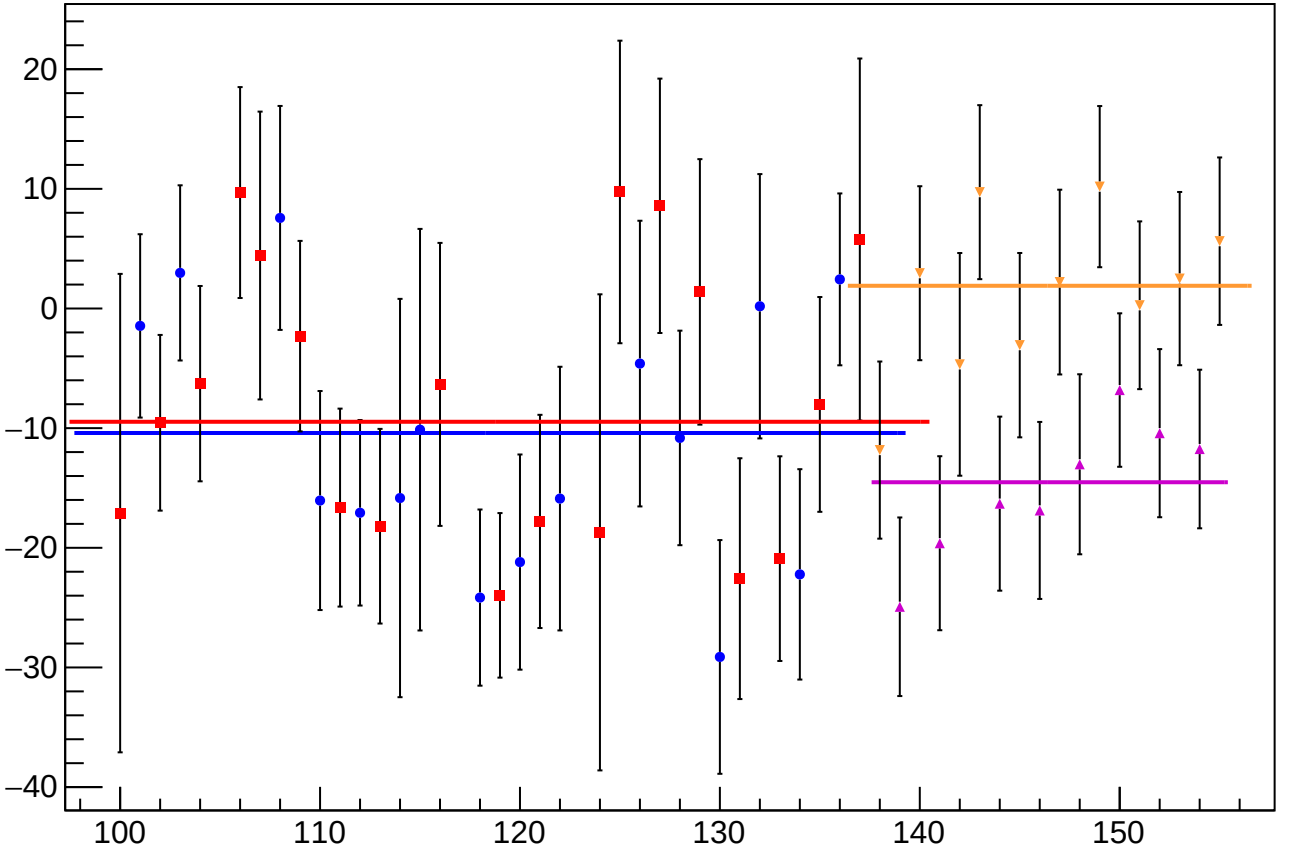
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1139.836+/-0.219 χ^2/NDF:1364226.8/23

Out: 1153.467+/-0.213 χ^2/NDF:1322216.3/28

All: 1146.842+/-0.153 χ^2/NDF: 2688434.2/52

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: 1.899+/-2.337 χ^2/NDF:7.4/9

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -14.520+/-2.507 χ^2/NDF:4.6/7

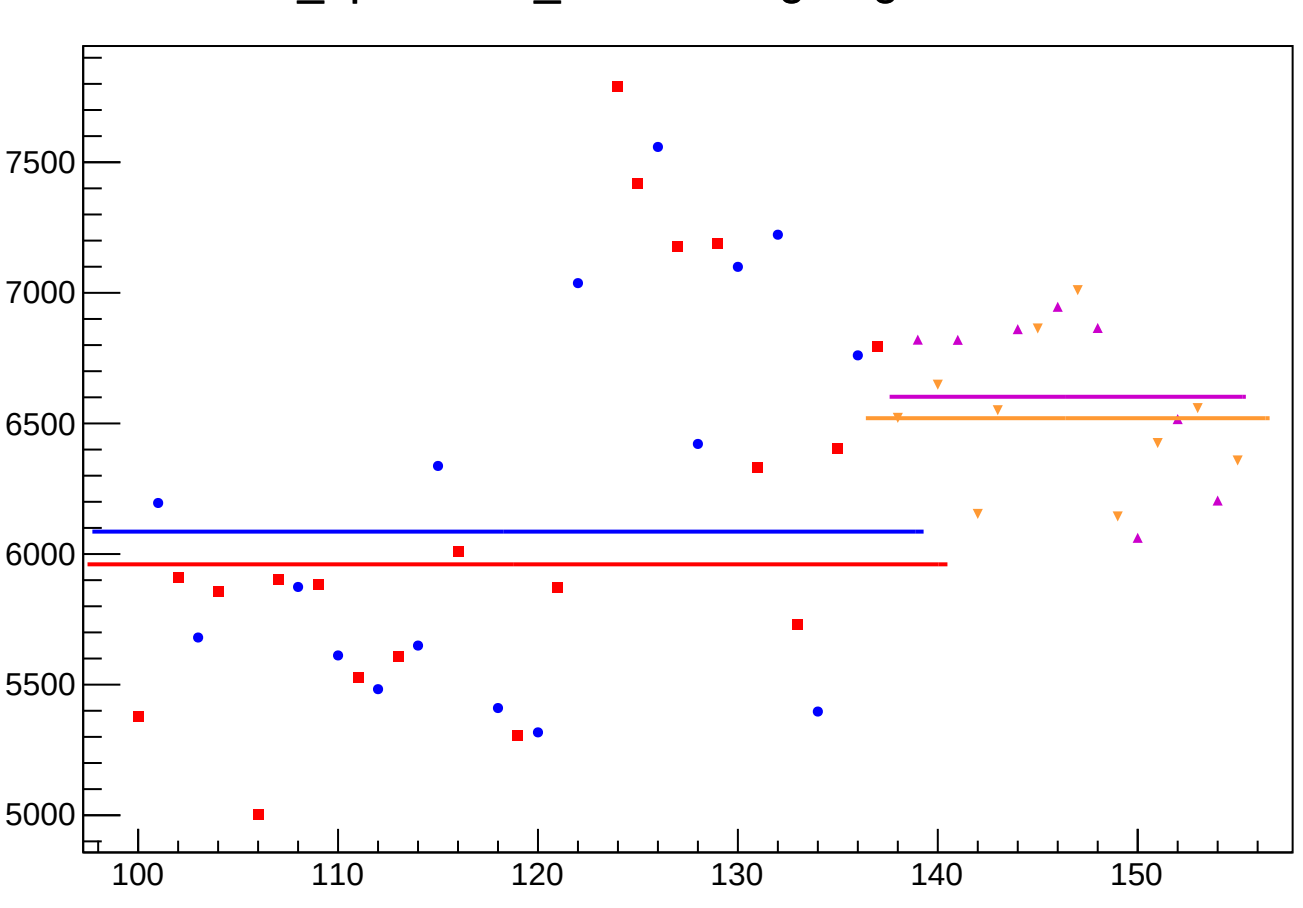
Left: -5.732+/-1.709 χ^2/NDF: 34.9/17

Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.267+/-1.687 χ^2/NDF:30.7/23

Out: -4.149+/-1.598 χ^2/NDF:45.3/28

All: -7.989+/-1.160 χ^2/NDF: 88.2/52



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6520.079+/-1.652 χ^2/NDF:23528.6/9

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6602.136+/-1.773 χ^2/NDF:34498.0/7

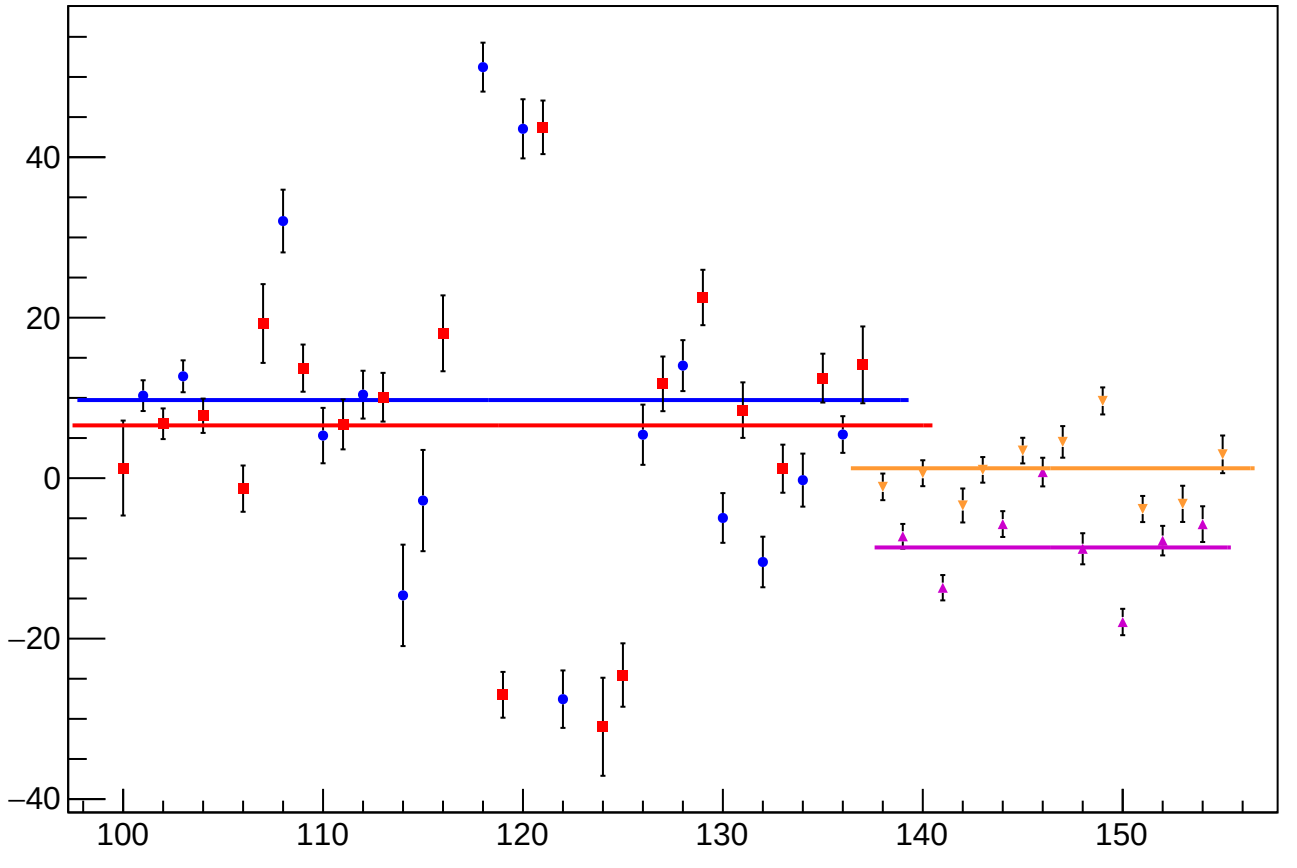
Left: 6558.219+/-1.209 χ^2/NDF: 59172.9/17

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6319.535+/-1.193 χ^2/NDF:260027.1/23

Out: 6222.350+/-1.130 χ^2/NDF:247314.4/28

All: 6268.322+/-0.820 χ^2/NDF: 510839.6/52



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 1.232+/-0.566 χ^2/NDF:50.5/9

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -8.637+/-0.614 χ^2/NDF:75.8/7

Left: -3.307+/-0.416 χ^2/NDF: 266.0/17

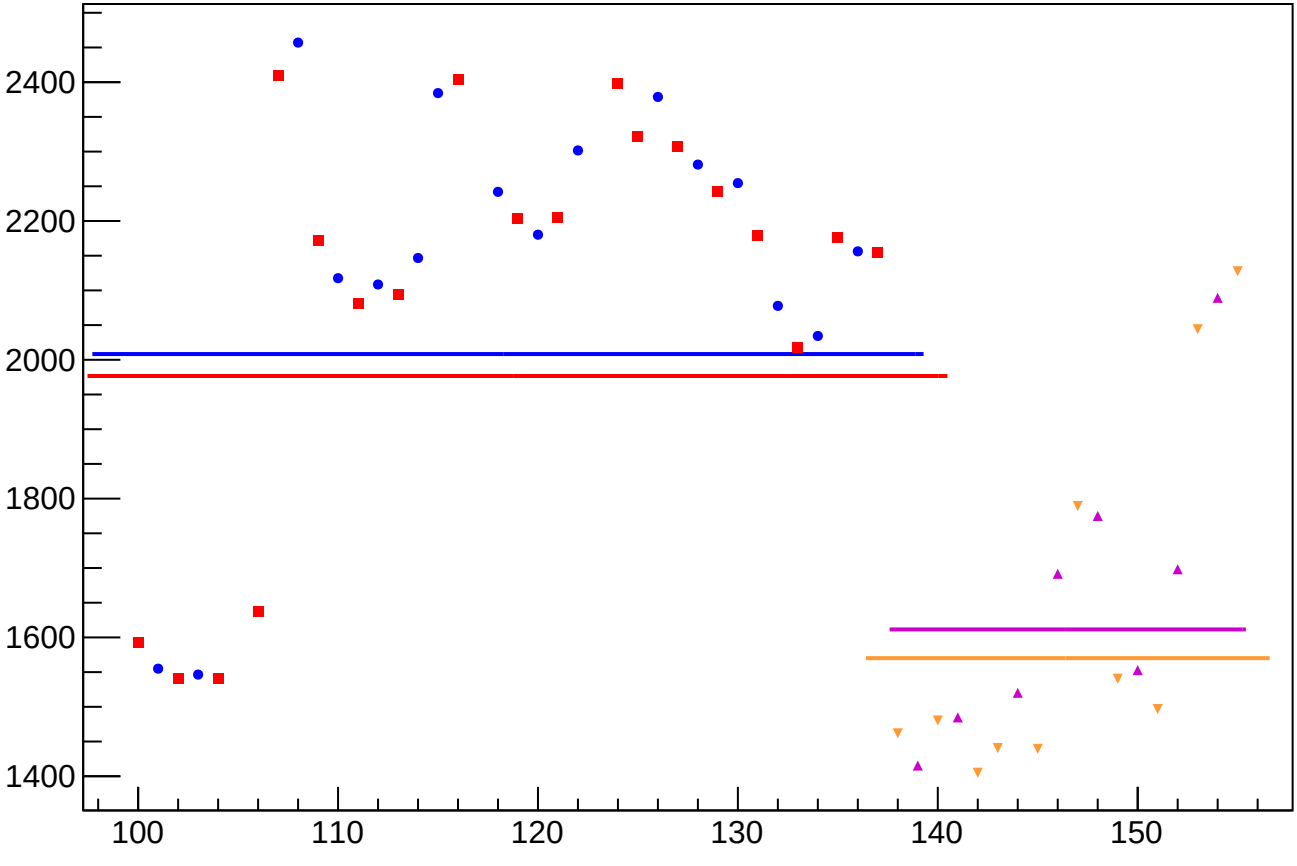
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.330+/-0.476 χ^2/NDF:944.7/23

Out: 3.238+/-0.447 χ^2/NDF:507.7/28

All: 1.096+/-0.326 χ^2/NDF: 1501.3/52

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1570.130+/-0.400 χ^2/NDF:284001.1/9

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1611.503+/-0.434 χ^2/NDF:168991.5/7

Left: 1589.159+/-0.294 χ^2/NDF: 457903.7/17

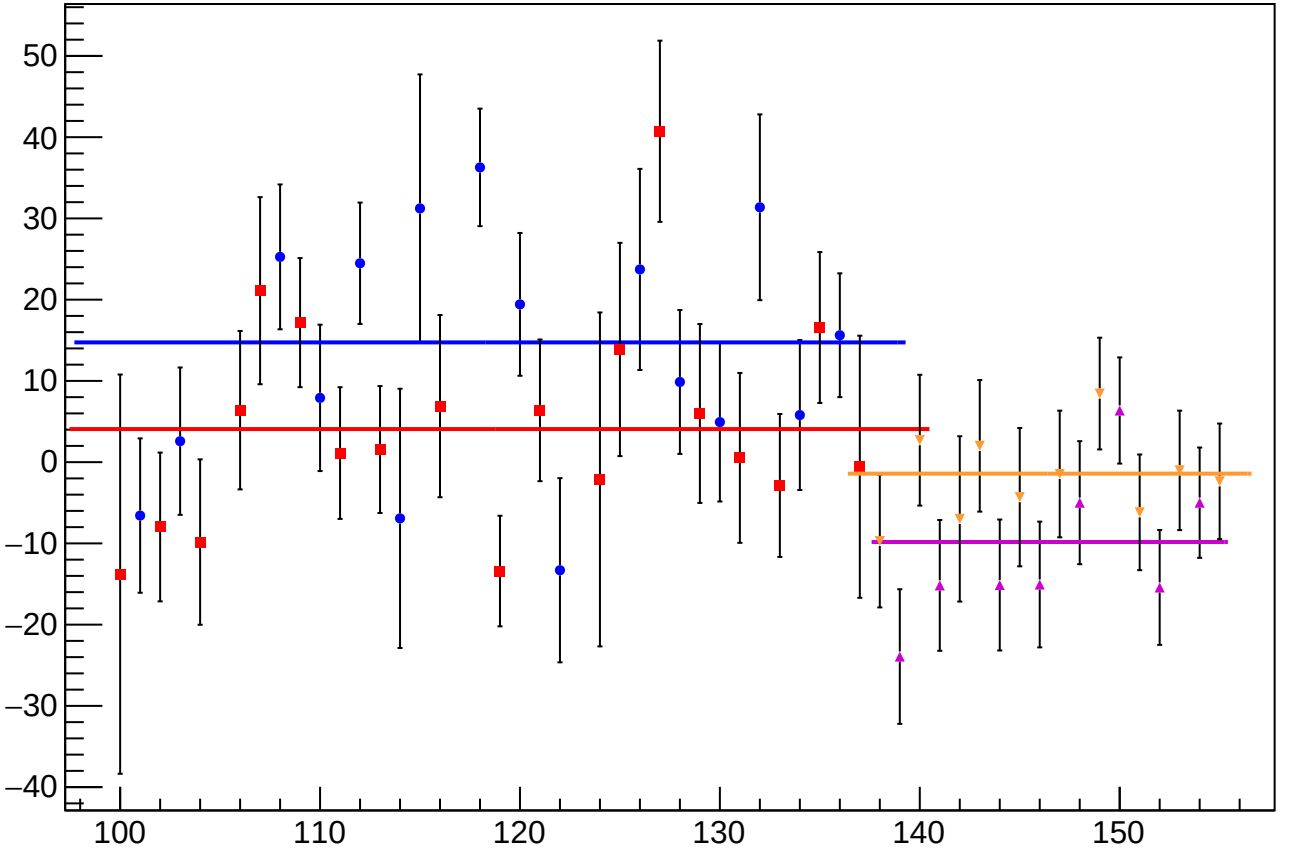
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1769.345+/-0.337 χ^2/NDF:846111.7/23

Out: 1722.761+/-0.316 χ^2/NDF:1036449.4/28

All: 1744.610+/-0.231 χ^2/NDF: 1892726.4/52

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -1.413+/-2.464 χ^2/NDF:4.4/9

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -9.827+/-2.629 χ^2/NDF:11.9/7

Left: -5.347+/-1.798 χ^2/NDF: 21.8/17

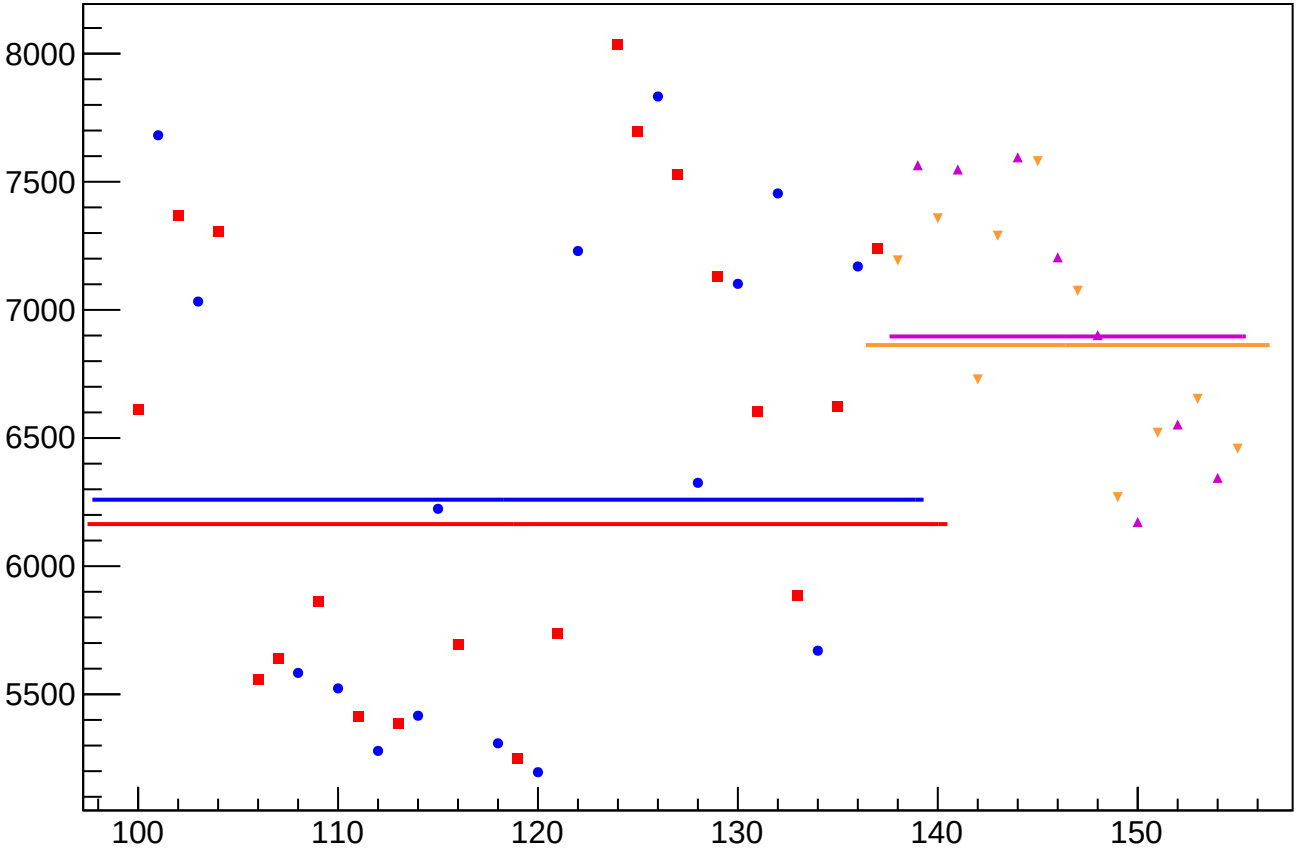
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 3.790+/-1.755 χ^2/NDF:93.8/23

Out: 1.549+/-1.671 χ^2/NDF:37.3/28

All: 2.614+/-1.210 χ^2/NDF: 131.9/52

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6862.762+/-1.742 χ^2/NDF:60036.4/9

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6896.409+/-1.859 χ^2/NDF:86833.6/7

Left: 6878.494+/-1.271 χ^2/NDF: 147044.5/17

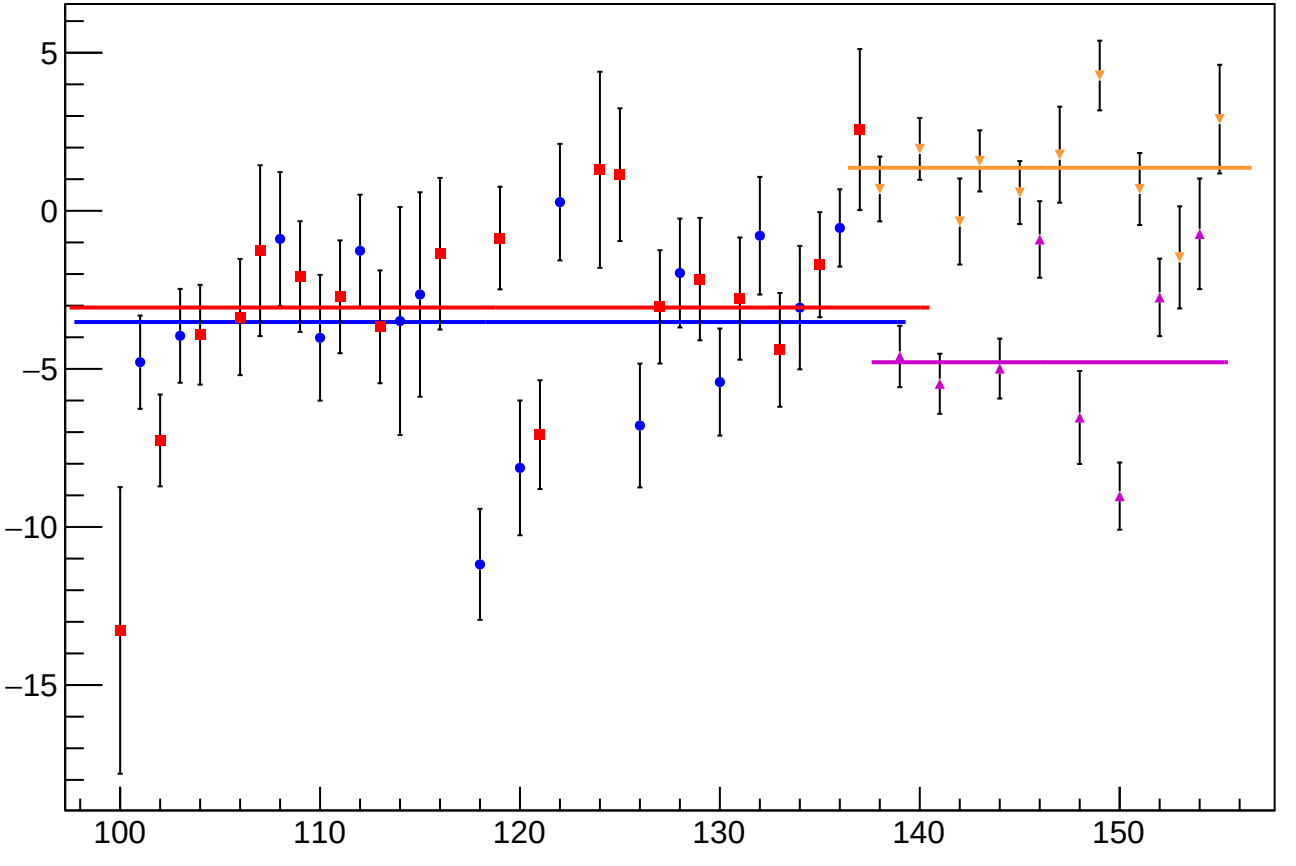
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6543.316+/-1.241 χ^2/NDF:460510.3/23

Out: 6485.472+/-1.182 χ^2/NDF:411939.2/28

All: 6512.971+/-0.856 χ^2/NDF: 873588.9/52

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.362+/-0.368 χ^2/NDF:14.3/9

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -4.790+/-0.398 χ^2/NDF:36.3/7

Left: -1.474+/-0.270 χ^2/NDF: 179.3/17

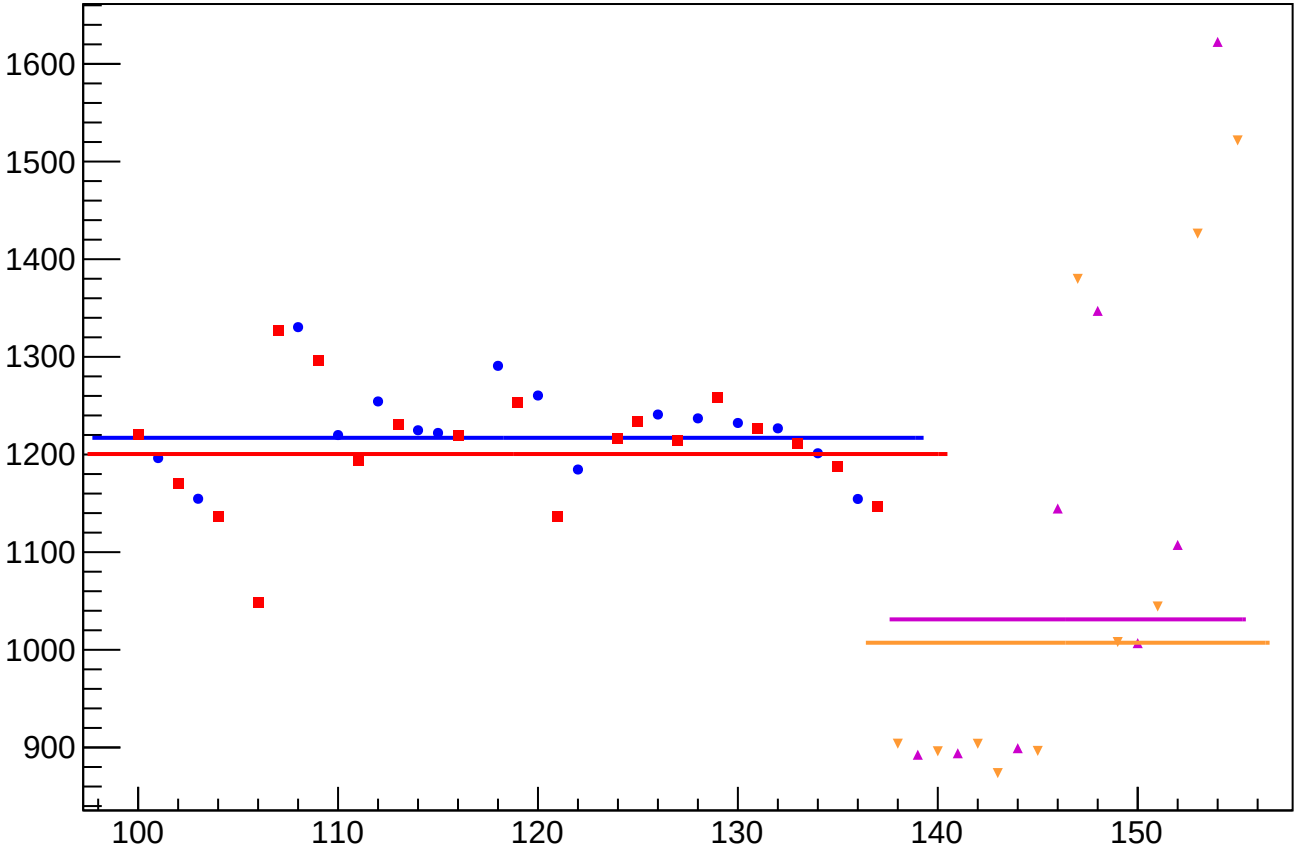
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -4.234+/-0.299 χ^2/NDF:85.9/23

Out: -0.468+/-0.282 χ^2/NDF:108.8/28

All: -2.241+/-0.205 χ^2/NDF: 278.7/52

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1007.254+/-0.260 χ^2/NDF:556997.1/9

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1031.173+/-0.282 χ^2/NDF:468009.0/7

Left: 1018.281+/-0.191 χ^2/NDF: 1028894.1/17

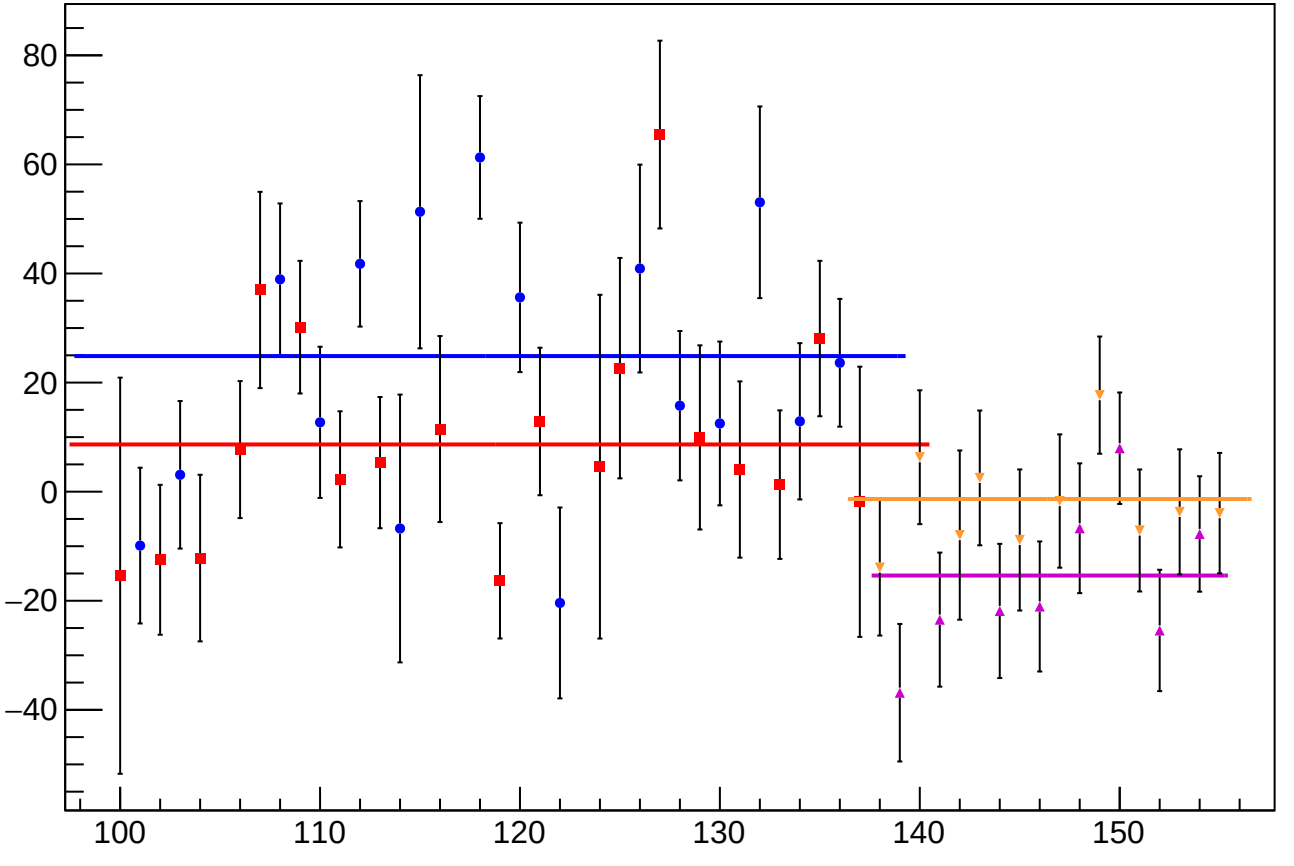
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1112.352+/-0.211 χ^2/NDF:679985.2/23

Out: 1087.229+/-0.199 χ^2/NDF:822481.4/28

All: 1099.058+/-0.145 χ^2/NDF: 1509940.6/52

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -1.344+/-3.809 χ^2/NDF:5.5/9

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -15.376+/-4.076 χ^2/NDF:10.9/7

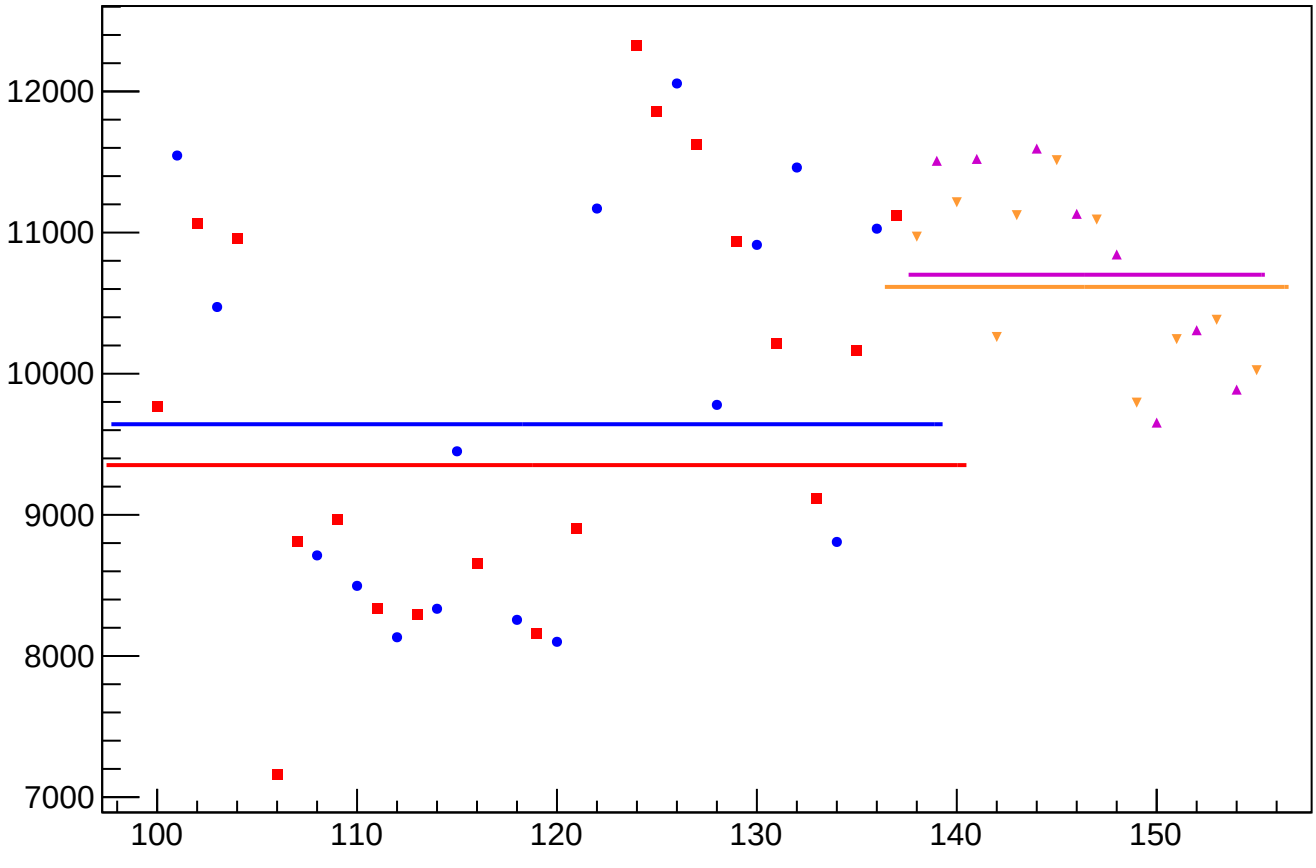
Left: -7.886+/-2.783 χ^2/NDF: 22.8/17

Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 7.072+/-2.710 χ^2/NDF:103.4/23

Out: 4.145+/-2.559 χ^2/NDF:39.5/28

All: 5.525+/-1.860 χ^2/NDF: 143.5/52



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10615.089+/-2.693 χ^2/NDF:43906.4/9

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 10701.300+/-2.882 χ^2/NDF:65935.1/7

Left: 10655.283+/-1.968 χ^2/NDF: 110319.1/17

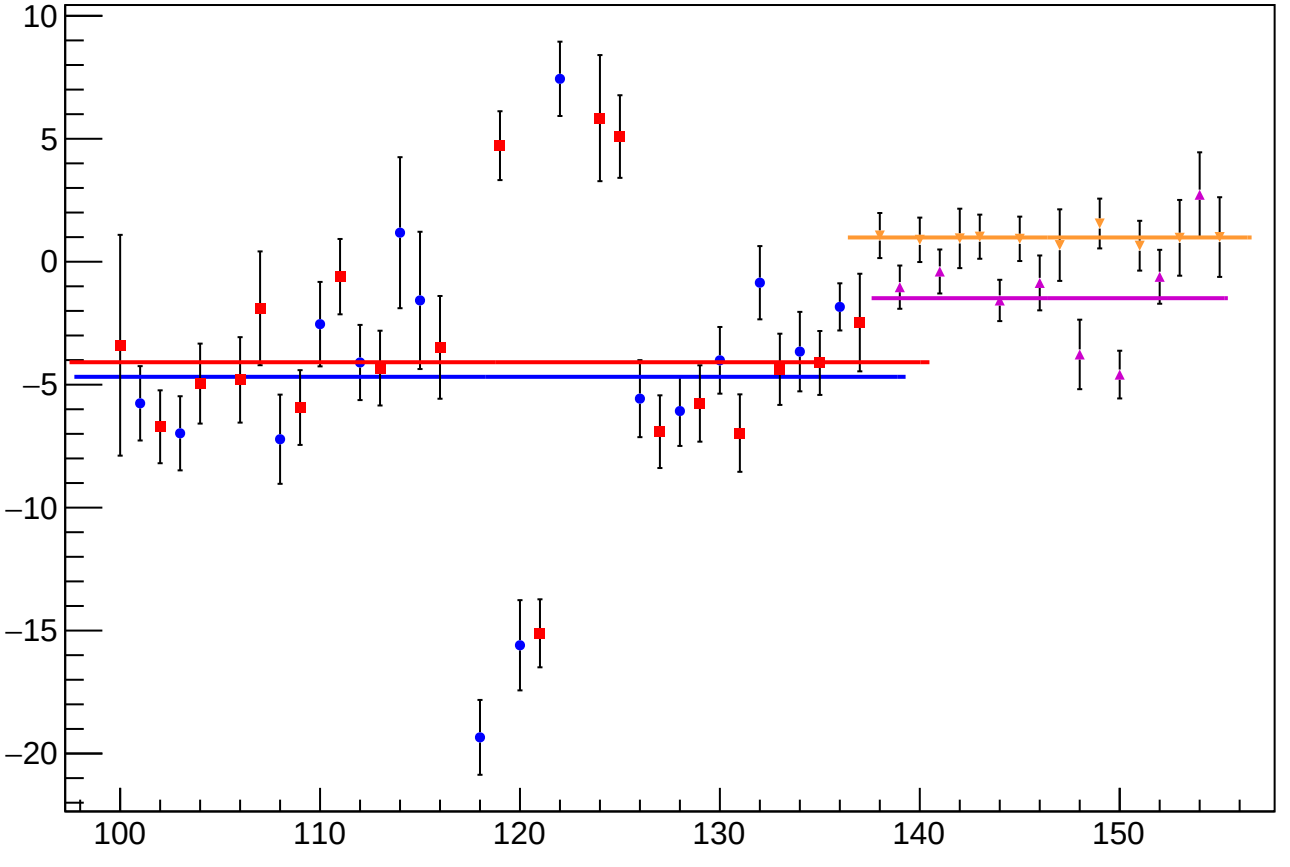
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 10110.350+/-1.916 χ^2/NDF:420961.8/23

Out: 9922.176+/-1.809 χ^2/NDF:466285.8/28

All: 10010.864+/-1.315 χ^2/NDF: 892346.4/52

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.986+/-0.337 χ^2/NDF:0.5/9

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -1.483+/-0.365 χ^2/NDF:21.5/7

Left: -0.150+/-0.248 χ^2/NDF: 46.7/17

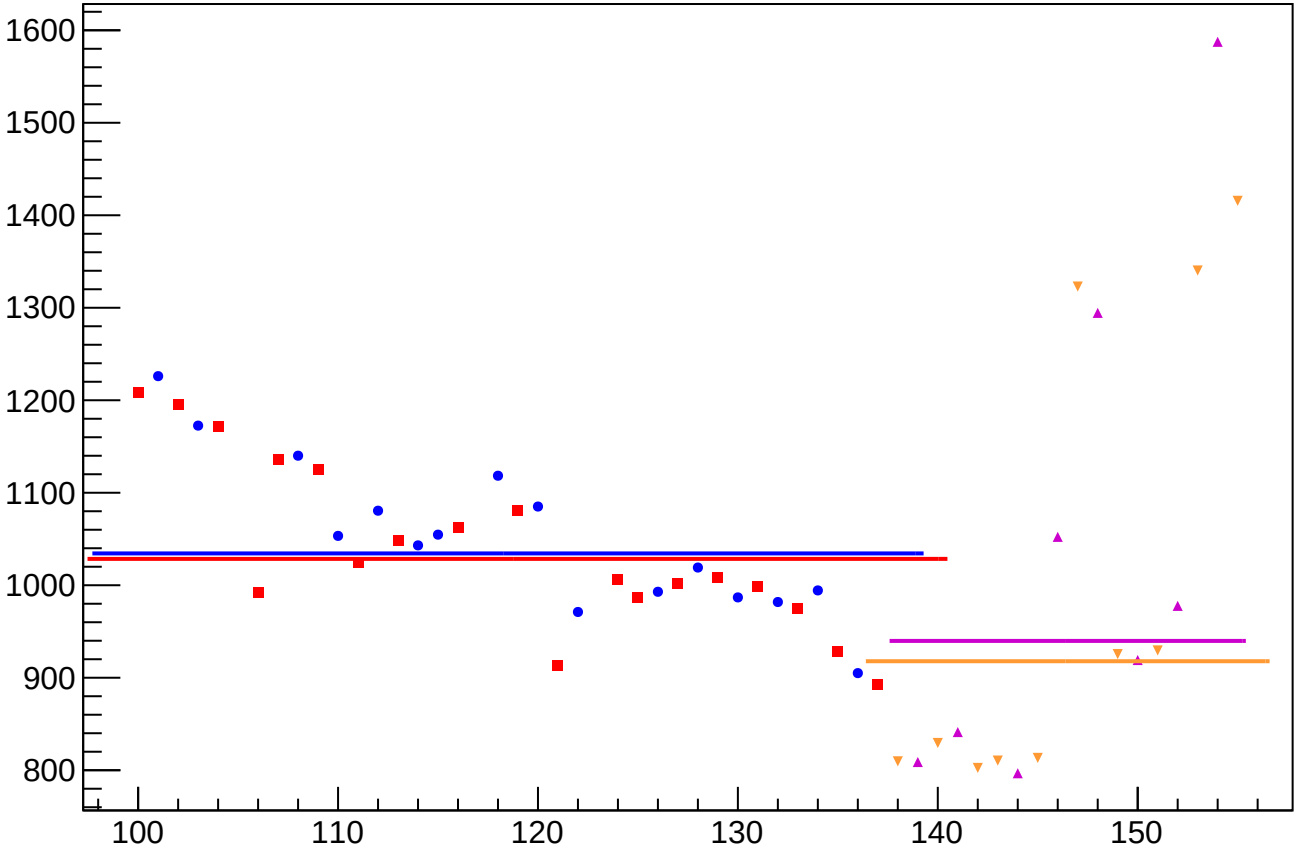
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -2.994+/-0.265 χ^2/NDF:278.9/23

Out: -1.273+/-0.251 χ^2/NDF:269.3/28

All: -2.087+/-0.182 χ^2/NDF: 570.5/52

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 917.851+/-0.238 χ^2/NDF:615175.1/9

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 939.809+/-0.258 χ^2/NDF:558501.8/7

Left: 927.955+/-0.175 χ^2/NDF: 1177578.9/17

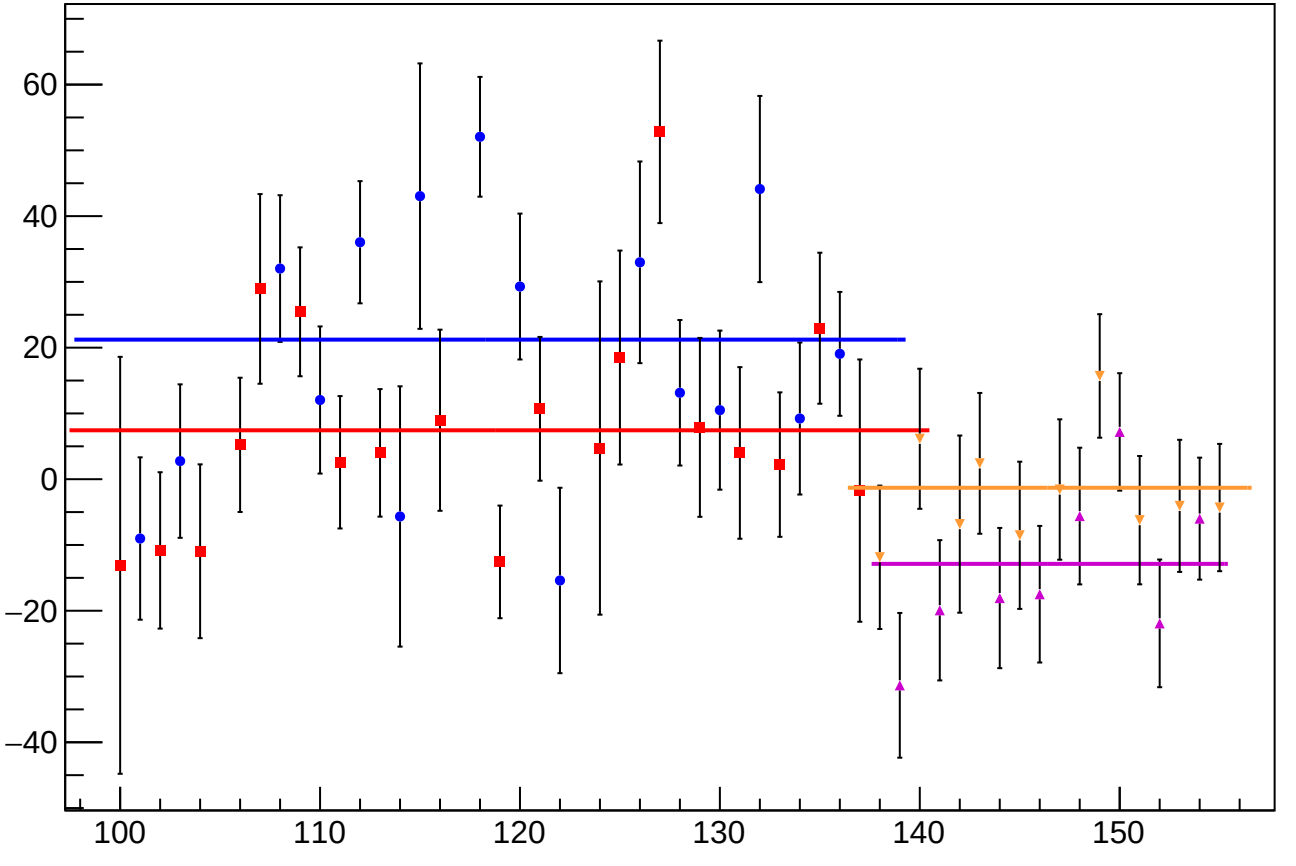
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 984.520+/-0.188 χ^2/NDF:735189.7/23

Out: 967.120+/-0.178 χ^2/NDF:812682.2/28

All: 975.347+/-0.129 χ^2/NDF: 1552410.2/52

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -1.299+/-3.321 χ^2/NDF:5.8/9

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -12.873+/-3.554 χ^2/NDF:10.6/7

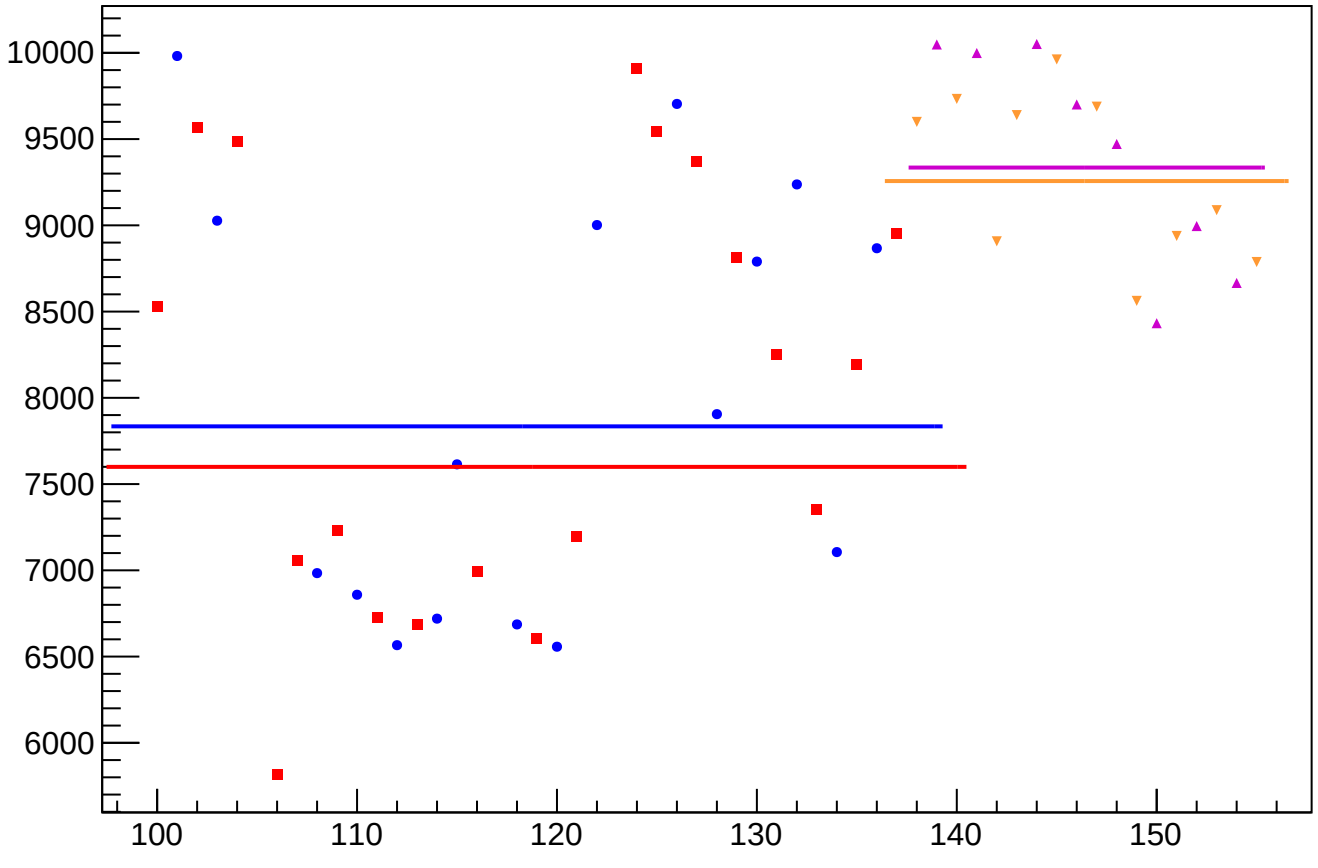
Left: -6.694+/-2.426 χ^2/NDF: 22.2/17

Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 7.304+/-2.271 χ^2/NDF:105.2/23

Out: 3.791+/-2.145 χ^2/NDF:39.7/28

All: 5.448+/-1.559 χ^2/NDF: 146.1/52



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9256.684+/-2.348 χ^2/NDF:39419.1/9

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 9334.919+/-2.513 χ^2/NDF:61305.3/7

Left: 9293.152+/-1.716 χ^2/NDF: 101241.8/17

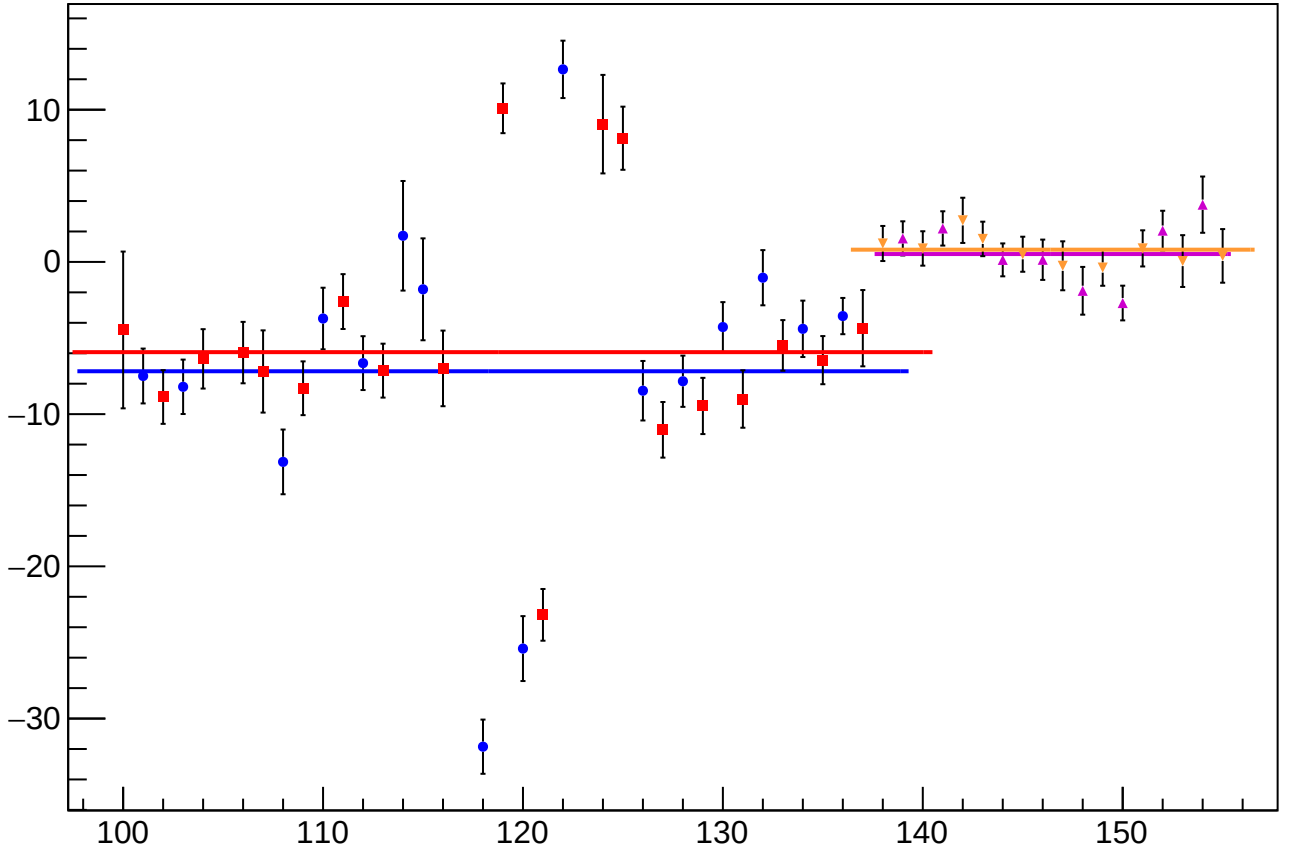
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8447.071+/-1.606 χ^2/NDF:590310.2/23

Out: 8291.164+/-1.517 χ^2/NDF:673829.8/28

All: 8364.692+/-1.103 χ^2/NDF: 1269121.7/52

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.805+/-0.409 χ^2/NDF:3.9/9

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.518+/-0.444 χ^2/NDF:18.1/7

Left: 0.673+/-0.301 χ^2/NDF: 22.2/17

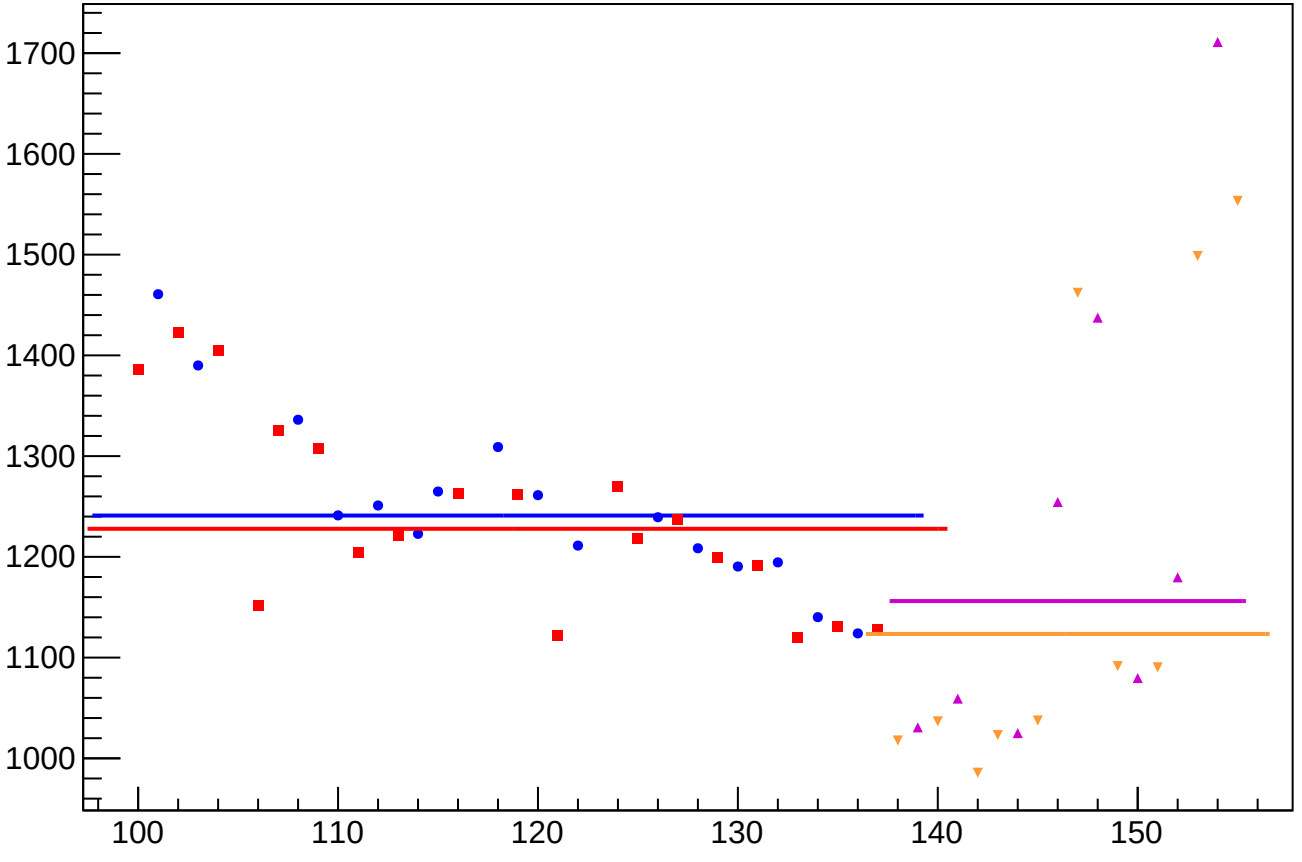
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -3.180+/-0.320 χ^2/NDF:584.5/23

Out: -2.244+/-0.302 χ^2/NDF:417.2/28

All: -2.685+/-0.220 χ^2/NDF: 1006.2/52

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1123.490+/-0.289 χ^2/NDF:380648.8/9

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1156.122+/-0.314 χ^2/NDF:334467.0/7

Left: 1138.444+/-0.213 χ^2/NDF: 720959.0/17

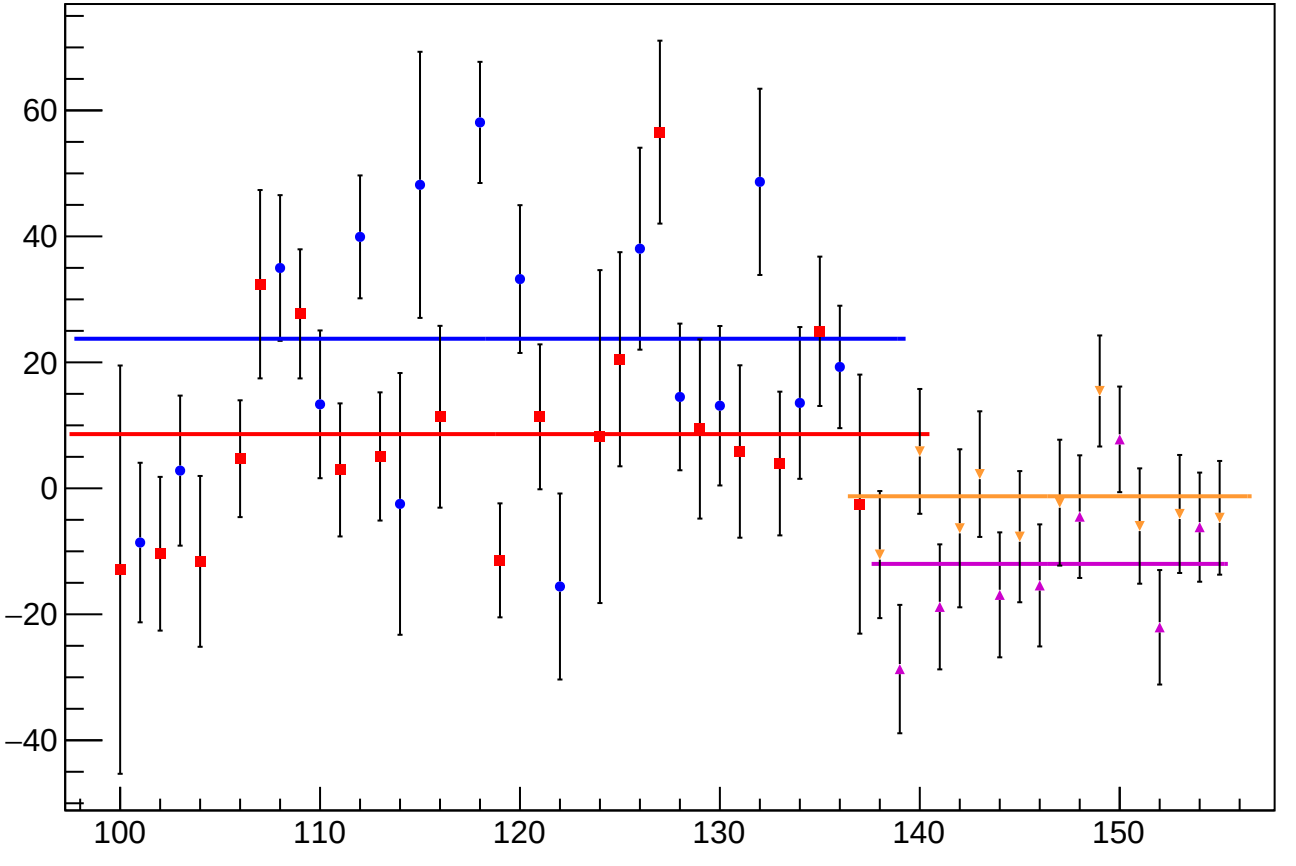
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1196.881+/-0.227 χ^2/NDF:450166.8/23

Out: 1170.763+/-0.214 χ^2/NDF:522070.7/28

All: 1183.064+/-0.155 χ^2/NDF: 979269.6/52

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -1.260+/-3.099 χ^2/NDF:6.1/9

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -11.996+/-3.319 χ^2/NDF:11.4/7

Left: -6.261+/-2.265 χ^2/NDF: 23.1/17

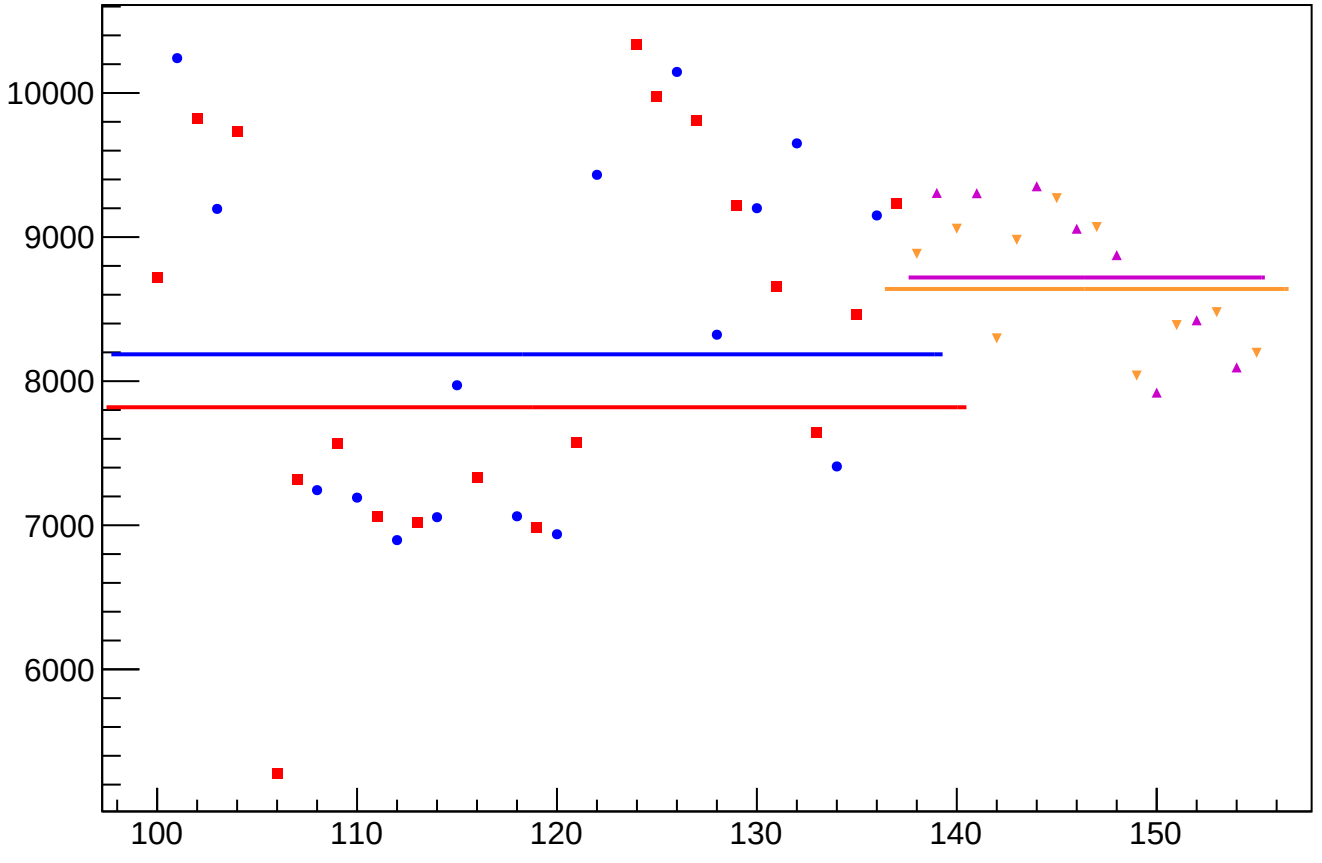
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 7.200+/-2.258 χ^2/NDF:117.1/23

Out: 4.003+/-2.117 χ^2/NDF:42.0/28

All: 5.499+/-1.544 χ^2/NDF: 160.2/52

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8640.052+/-2.191 χ^2/NDF:35785.2/9

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8719.632+/-2.347 χ^2/NDF:55355.4/7

Left: 8677.123+/-1.602 χ^2/NDF: 91754.9/17

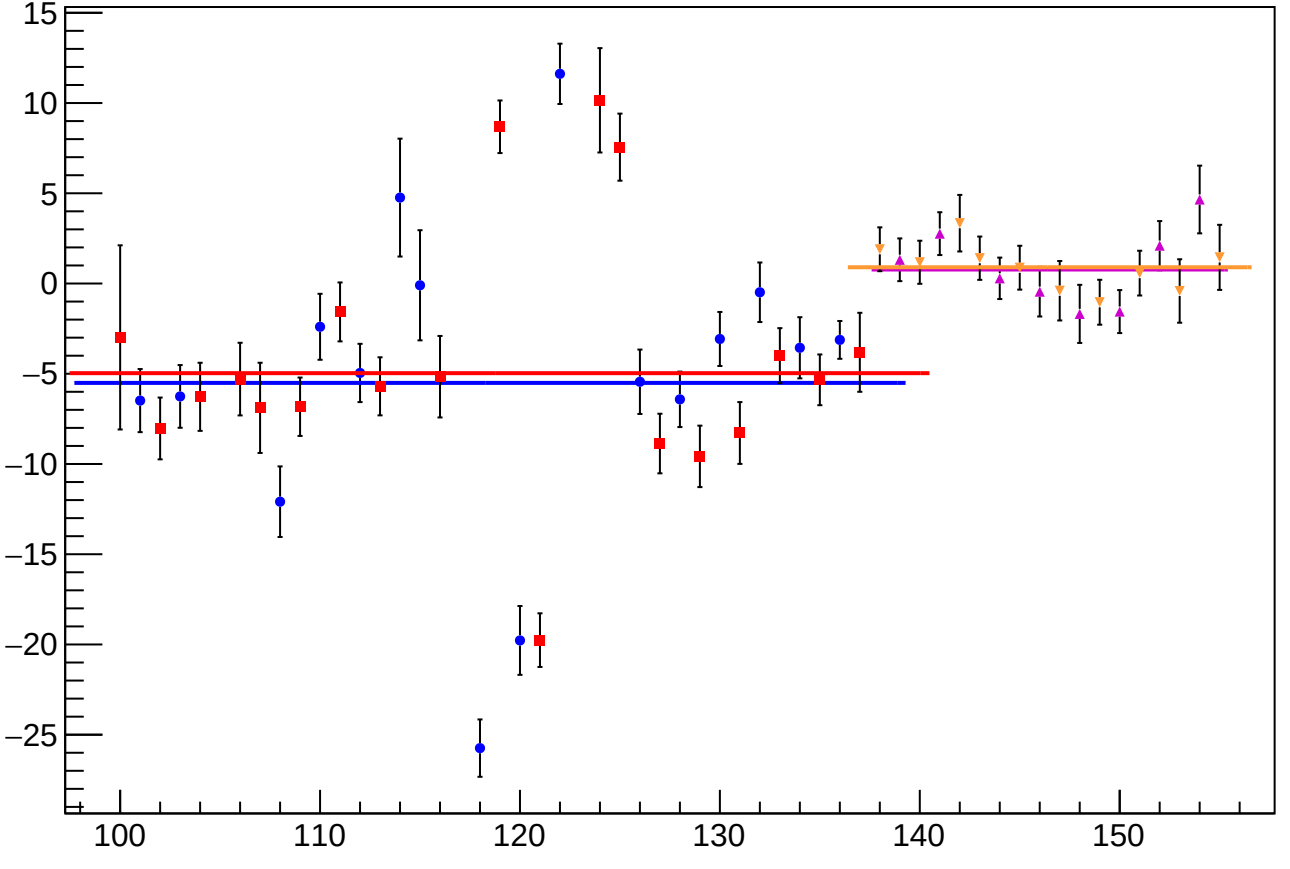
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8433.256+/-1.597 χ^2/NDF:373716.9/23

Out: 8202.142+/-1.497 χ^2/NDF:533655.4/28

All: 8310.260+/-1.092 χ^2/NDF: 918521.9/52

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.900+/-0.428 χ^2/NDF:7.1/9

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 0.776+/-0.465 χ^2/NDF:15.4/7

Left: 0.843+/-0.315 χ^2/NDF: 22.5/17

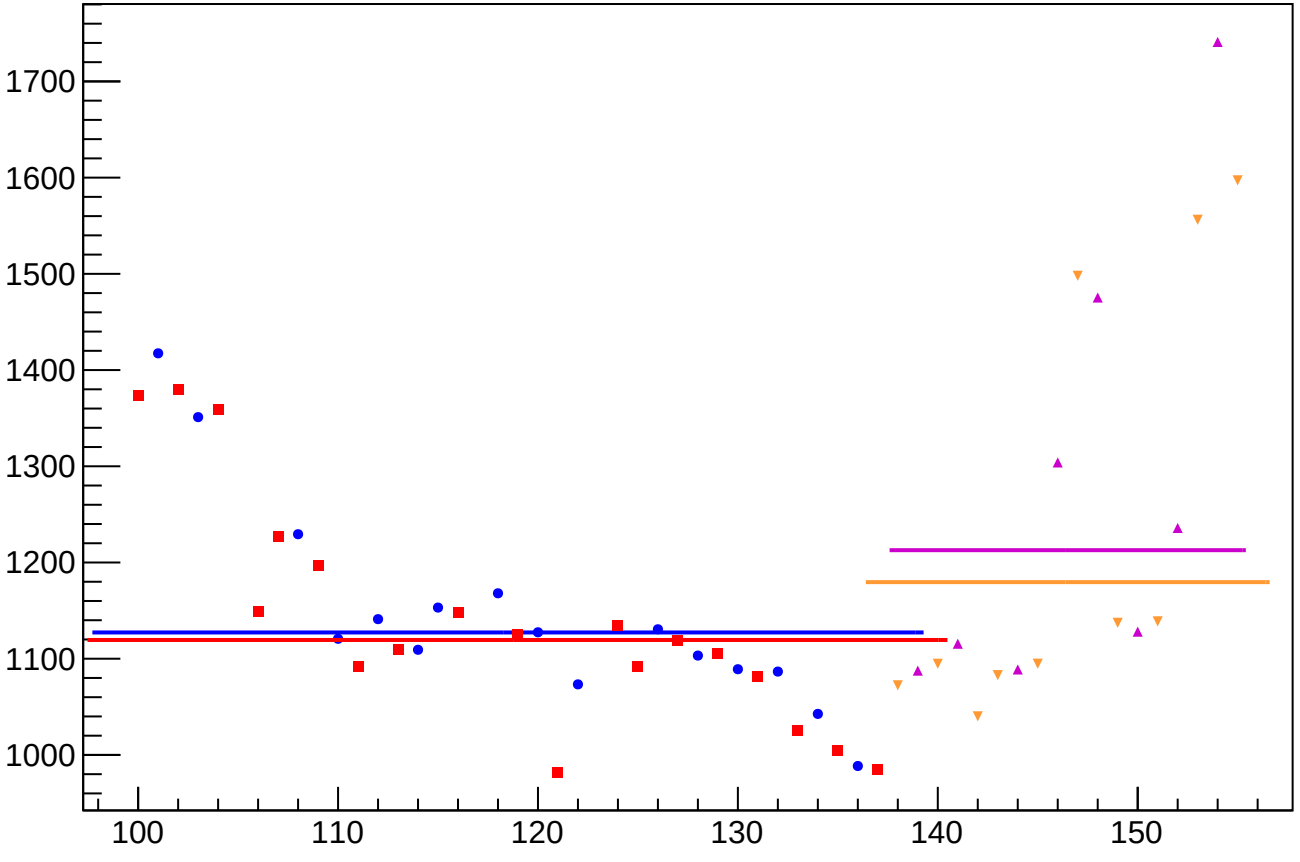
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -2.677+/-0.312 χ^2/NDF:485.5/23

Out: -2.158+/-0.296 χ^2/NDF:392.3/28

All: -2.404+/-0.215 χ^2/NDF: 879.3/52

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1179.603+/-0.303 χ^2/NDF:342524.5/9

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1212.797+/-0.329 χ^2/NDF:290370.1/7

Left: 1194.831+/-0.223 χ^2/NDF: 638410.7/17

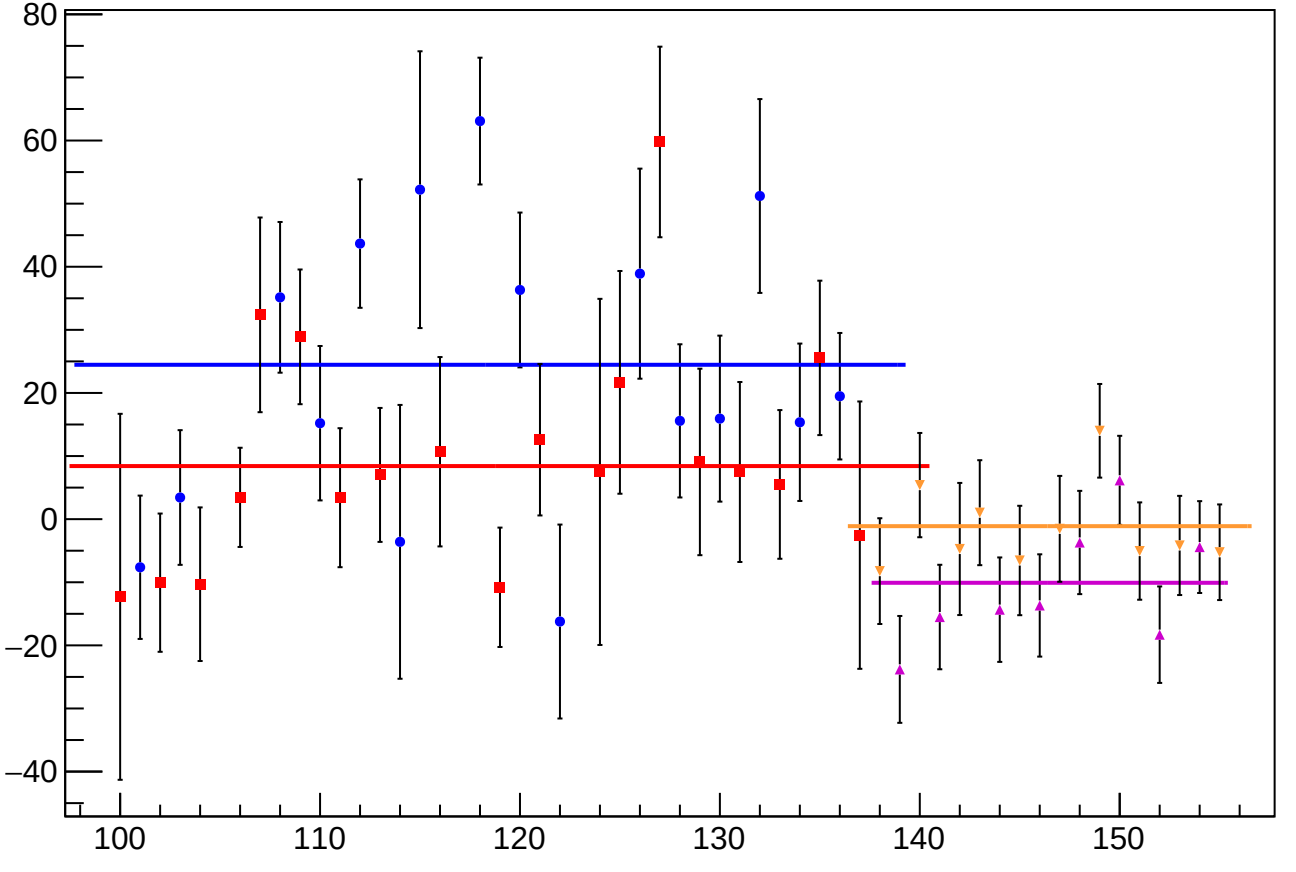
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1165.794+/-0.221 χ^2/NDF:468160.3/23

Out: 1148.264+/-0.209 χ^2/NDF:503823.8/28

All: 1156.574+/-0.152 χ^2/NDF: 975304.2/52

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -1.110+/-2.594 χ^2/NDF:6.8/9

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -10.083+/-2.780 χ^2/NDF:11.2/7

Left: -5.287+/-1.897 χ^2/NDF: 23.5/17

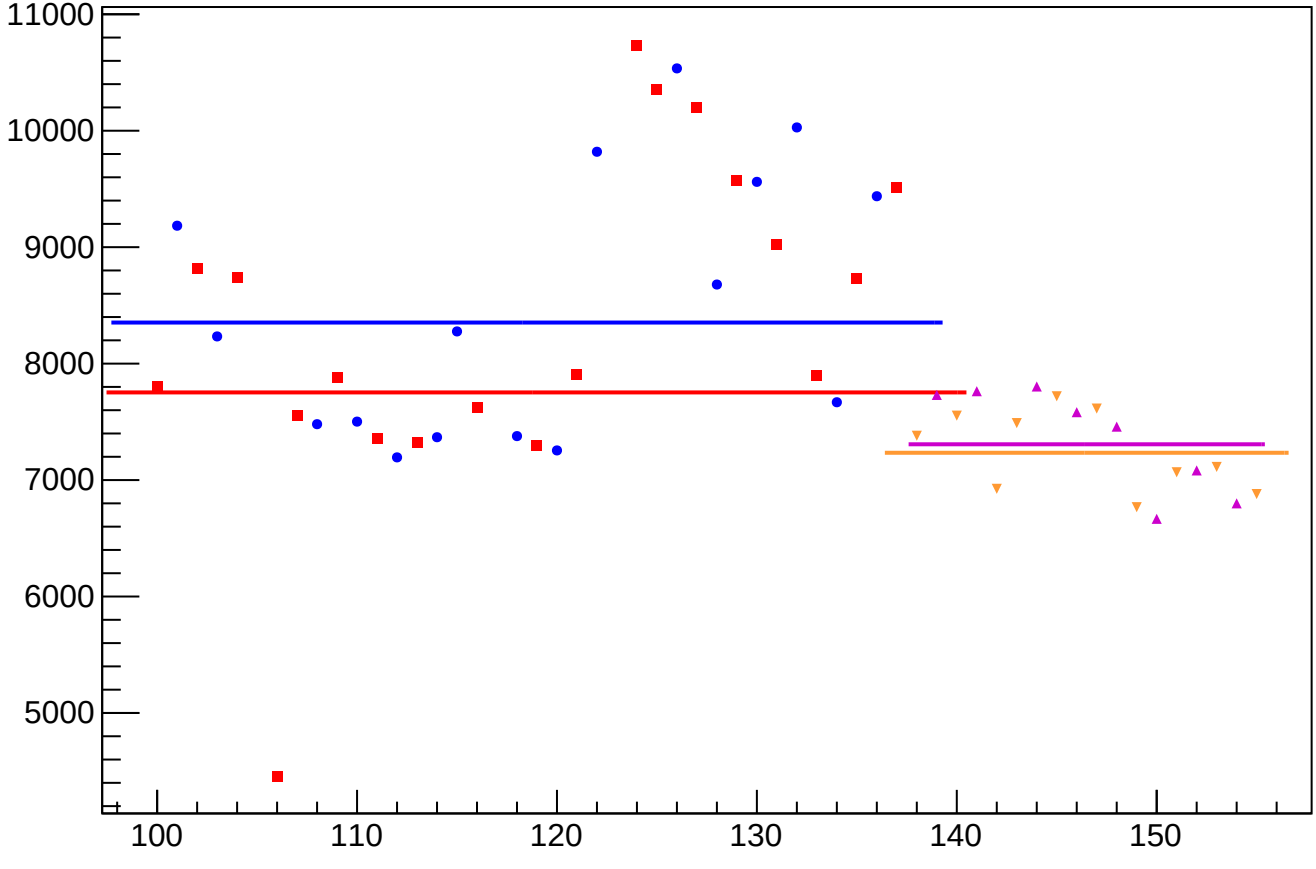
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 5.119+/-2.080 χ^2/NDF:127.4/23

Out: 3.138+/-1.931 χ^2/NDF:43.9/28

All: 4.055+/-1.415 χ^2/NDF: 171.9/52

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7234.471+/-1.835 χ^2/NDF:31299.7/9

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 7307.331+/-1.966 χ^2/NDF:49159.0/7

Left: 7268.386+/-1.341 χ^2/NDF: 81192.9/17

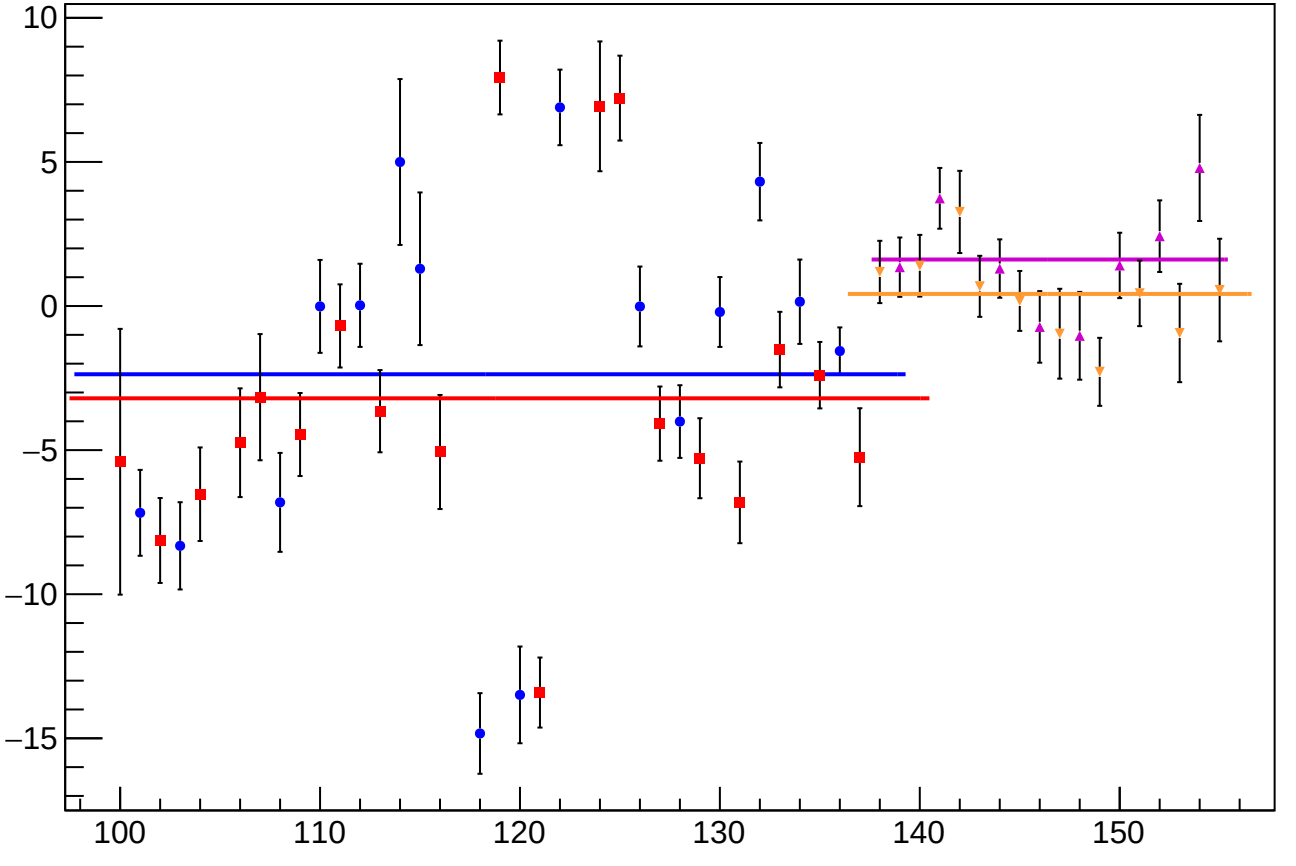
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7767.370+/-1.471 χ^2/NDF:394016.1/23

Out: 7465.642+/-1.365 χ^2/NDF:654965.9/28

All: 7605.275+/-1.001 χ^2/NDF: 1071582.7/52

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.420+/-0.389 χ^2/NDF:12.1/9

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.614+/-0.422 χ^2/NDF:14.2/7

Left: 0.969+/-0.286 χ^2/NDF: 30.7/17

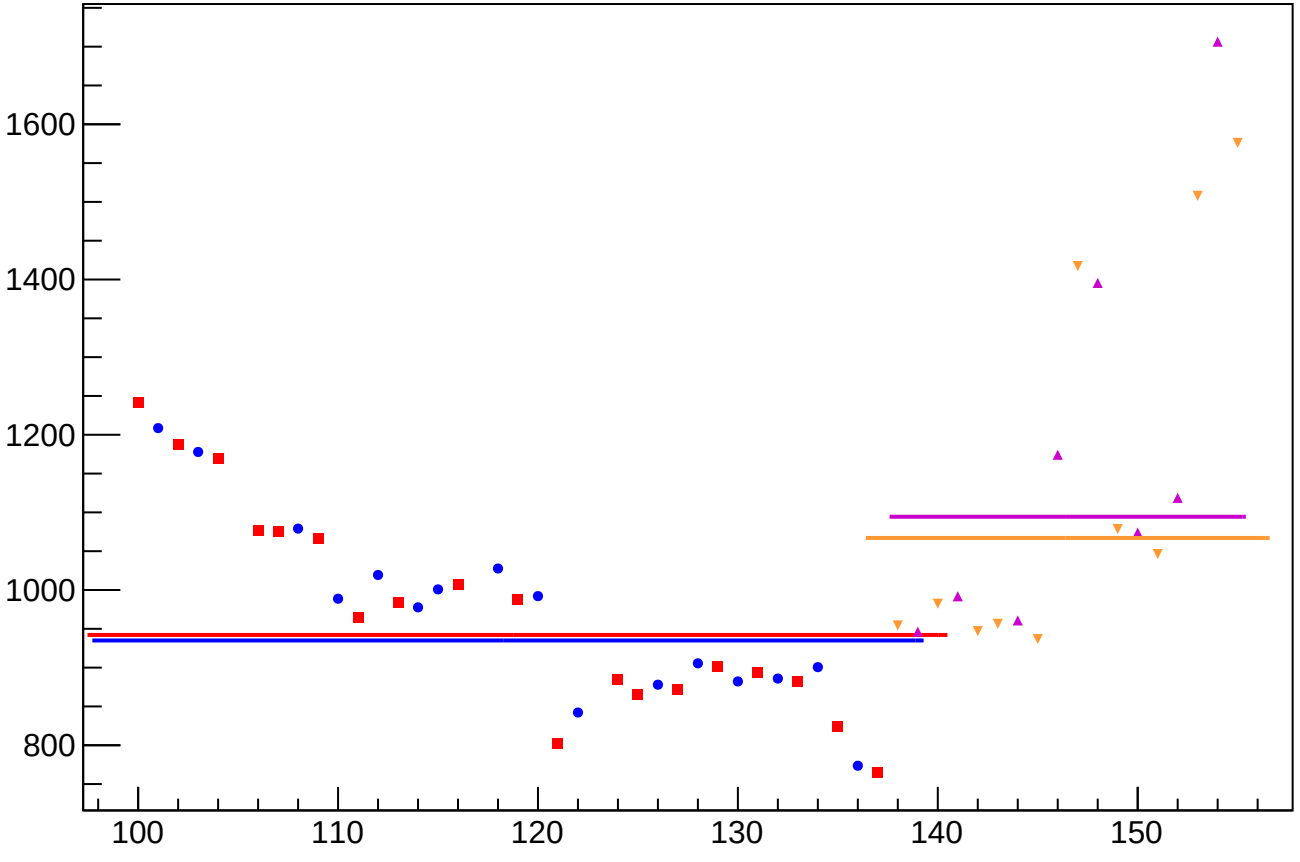
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.742+/-0.270 χ^2/NDF:322.5/23

Out: -1.602+/-0.259 χ^2/NDF:311.0/28

All: -1.190+/-0.187 χ^2/NDF: 638.8/52

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1067.040+/-0.275 χ^2/NDF:500494.9/9

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1094.380+/-0.298 χ^2/NDF:404109.7/7

Left: 1079.614+/-0.202 χ^2/NDF: 909140.6/17

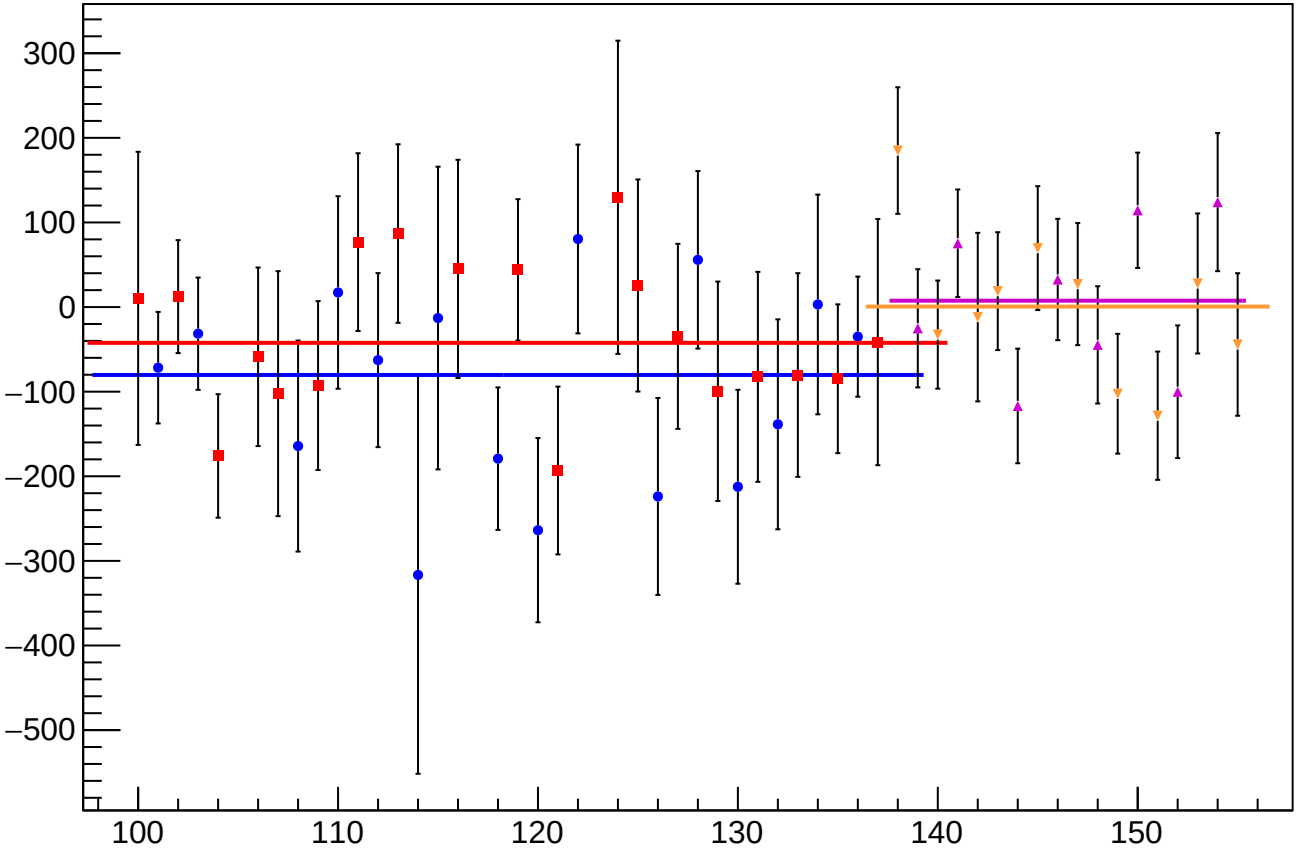
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1000.058+/-0.191 χ^2/NDF:827417.7/23

Out: 997.298+/-0.183 χ^2/NDF:847930.9/28

All: 998.622+/-0.132 χ^2/NDF: 1675457.7/52

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 0.579+/-23.771 χ^2/NDF:12.9/9

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 7.532+/-24.991 χ^2/NDF:11.8/7

Left: 3.882+/-17.224 χ^2/NDF: 24.7/17

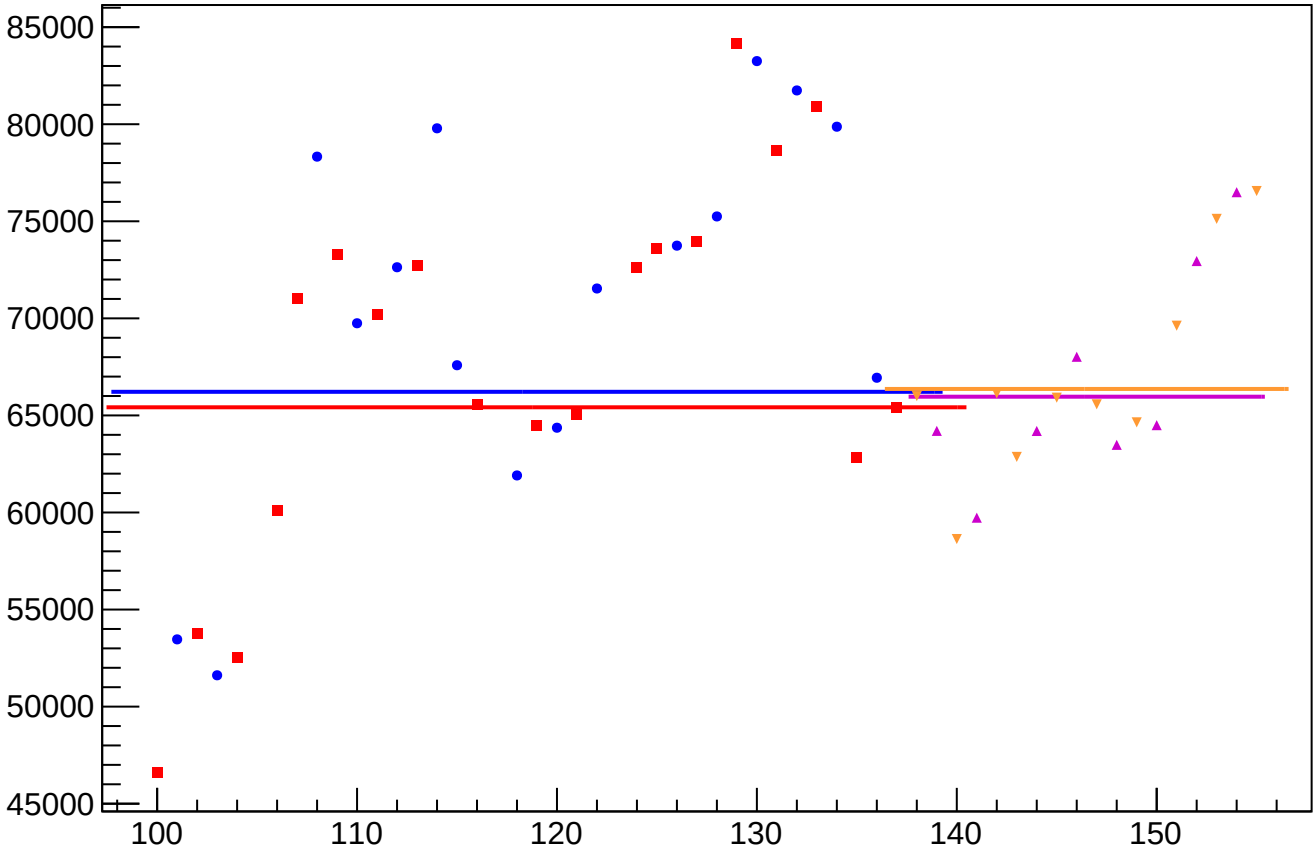
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -36.503+/-17.642 χ^2/NDF:32.8/23

Out: -20.508+/-16.939 χ^2/NDF:27.4/28

All: -28.180+/-12.219 χ^2/NDF: 60.7/52

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 66363.545+/-16.809 χ^2/NDF:91306.7/9

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 65964.294+/-17.671 χ^2/NDF:76192.0/7

Left: 66173.900+/-12.179 χ^2/NDF: 167766.7/17

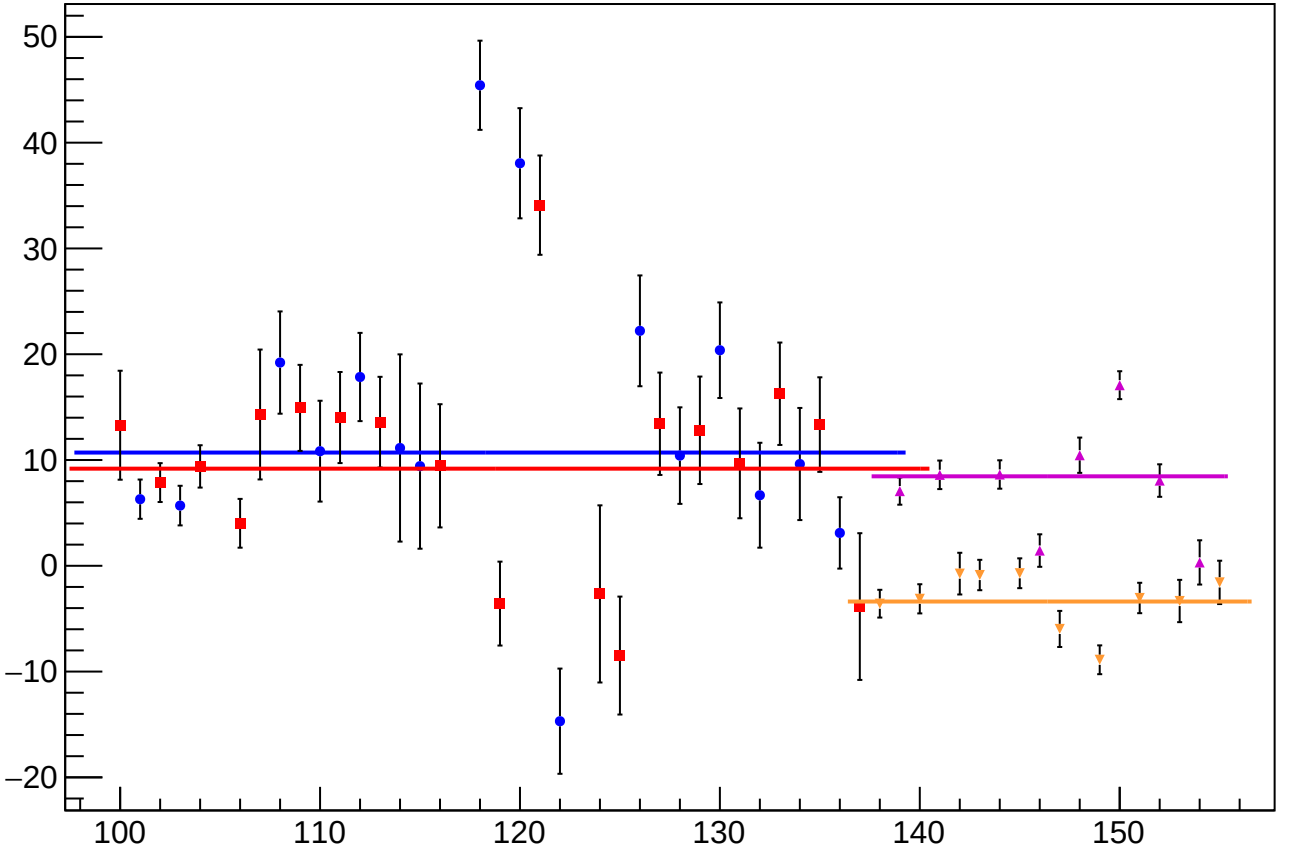
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 66090.616+/-12.475 χ^2/NDF:414671.5/23

Out: 65898.405+/-11.978 χ^2/NDF:397418.5/28

All: 65990.605+/-8.640 χ^2/NDF: 812213.5/52

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.379+/-0.488 χ^2/NDF:28.0/9

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 8.458+/-0.519 χ^2/NDF:81.3/7

Left: 2.173+/-0.355 χ^2/NDF: 385.8/17

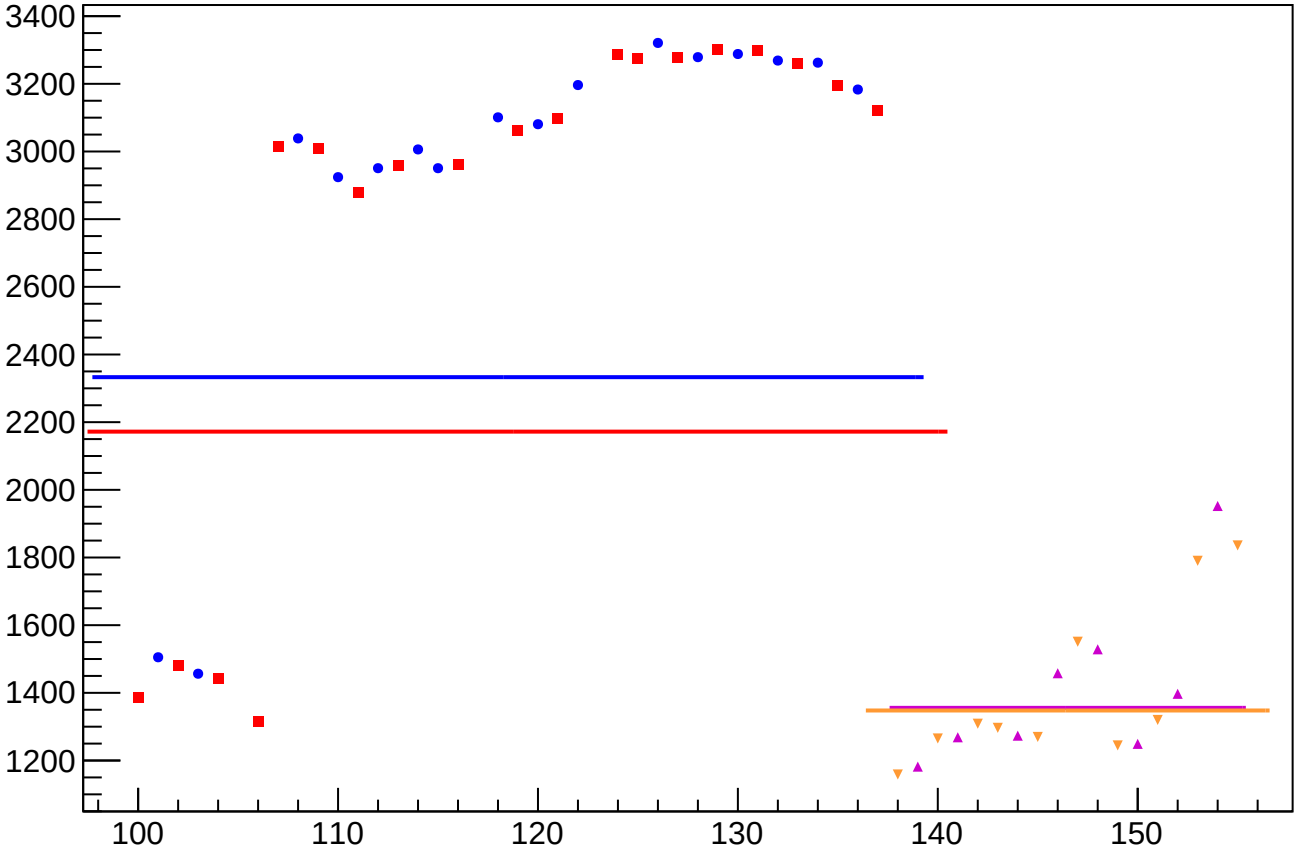
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 8.999+/-0.452 χ^2/NDF:241.4/23

Out: -0.270+/-0.423 χ^2/NDF:261.8/28

All: 4.058+/-0.309 χ^2/NDF: 727.6/52

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1347.847+/-0.345 χ^2/NDF:310210.3/9

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1355.651+/-0.367 χ^2/NDF:259661.7/7

Left: 1351.507+/-0.251 χ^2/NDF: 570112.4/17

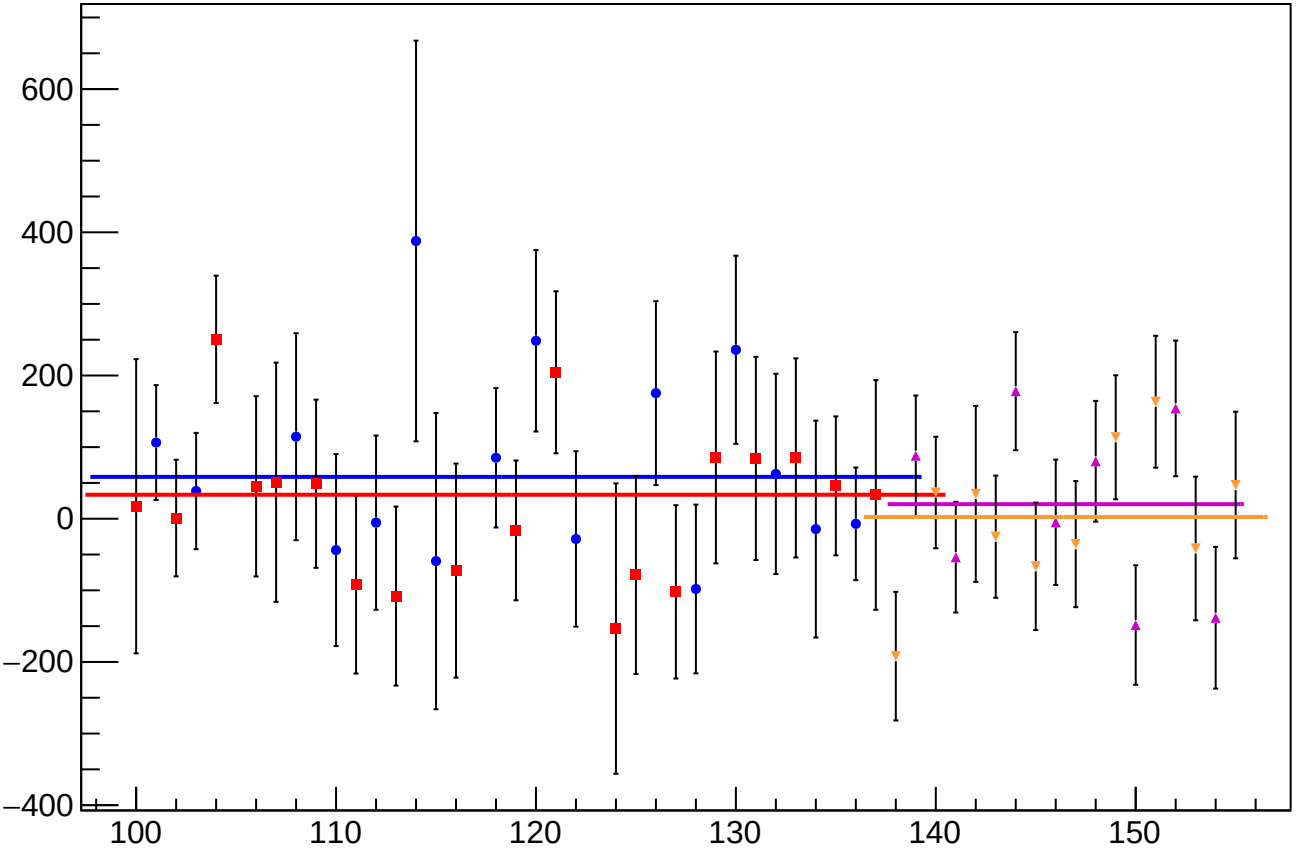
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1591.180+/-0.320 χ^2/NDF:3622287.5/23

Out: 1551.805+/-0.299 χ^2/NDF:3709034.1/28

All: 1570.189+/-0.218 χ^2/NDF: 7339416.3/52

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: 2.476+/-28.940 χ^2/NDF:10.9/9

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 20.347+/-30.365 χ^2/NDF:14.5/7

Left: 10.982+/-20.949 χ^2/NDF: 25.6/17

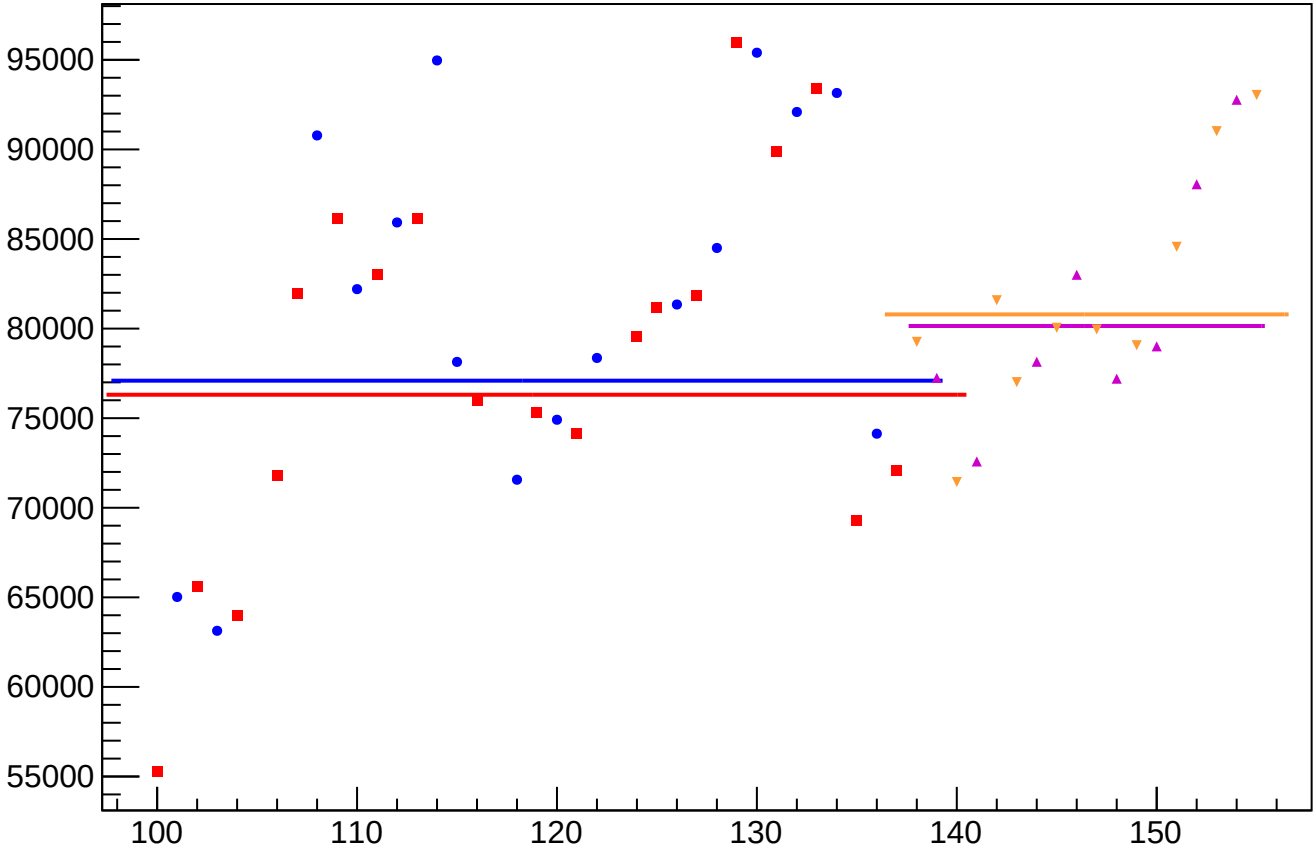
Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 40.326+/-20.941 χ^2/NDF:26.6/23

Out: 18.452+/-20.162 χ^2/NDF:26.2/28

All: 28.975+/-14.524 χ^2/NDF: 53.4/52

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 80792.175+/-20.463 χ^2/NDF:87376.2/9

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 80145.595+/-21.471 χ^2/NDF:74157.6/7

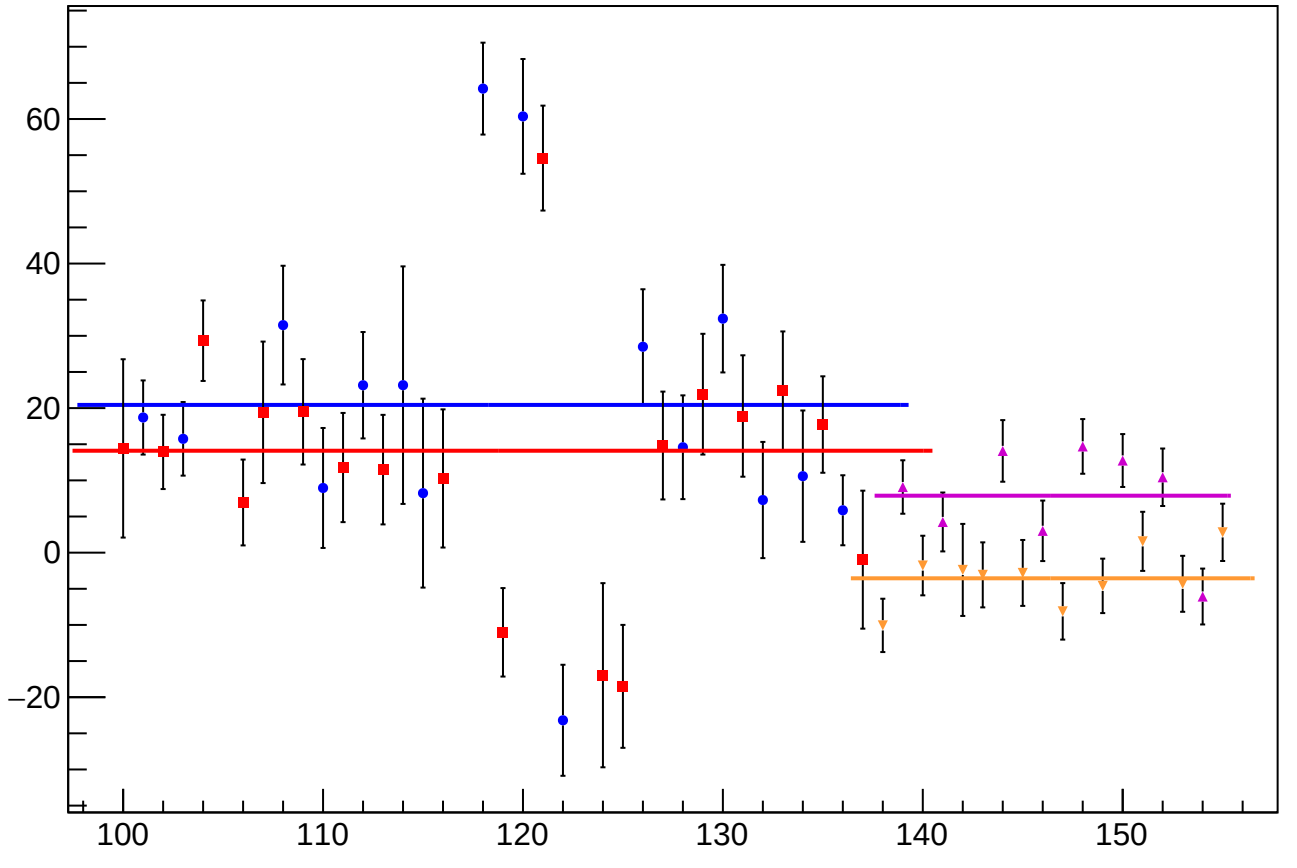
Left: 80484.418+/-14.813 χ^2/NDF: 162009.0/17

Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 78544.866+/-14.807 χ^2/NDF:333298.9/23

Out: 78484.896+/-14.257 χ^2/NDF:346512.7/28

All: 78513.745+/-10.270 χ^2/NDF: 679820.1/5



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.549+/-1.313 χ^2/NDF:9.0/9

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 7.881+/-1.387 χ^2/NDF:22.8/7

Left: 1.852+/-0.953 χ^2/NDF: 67.6/17

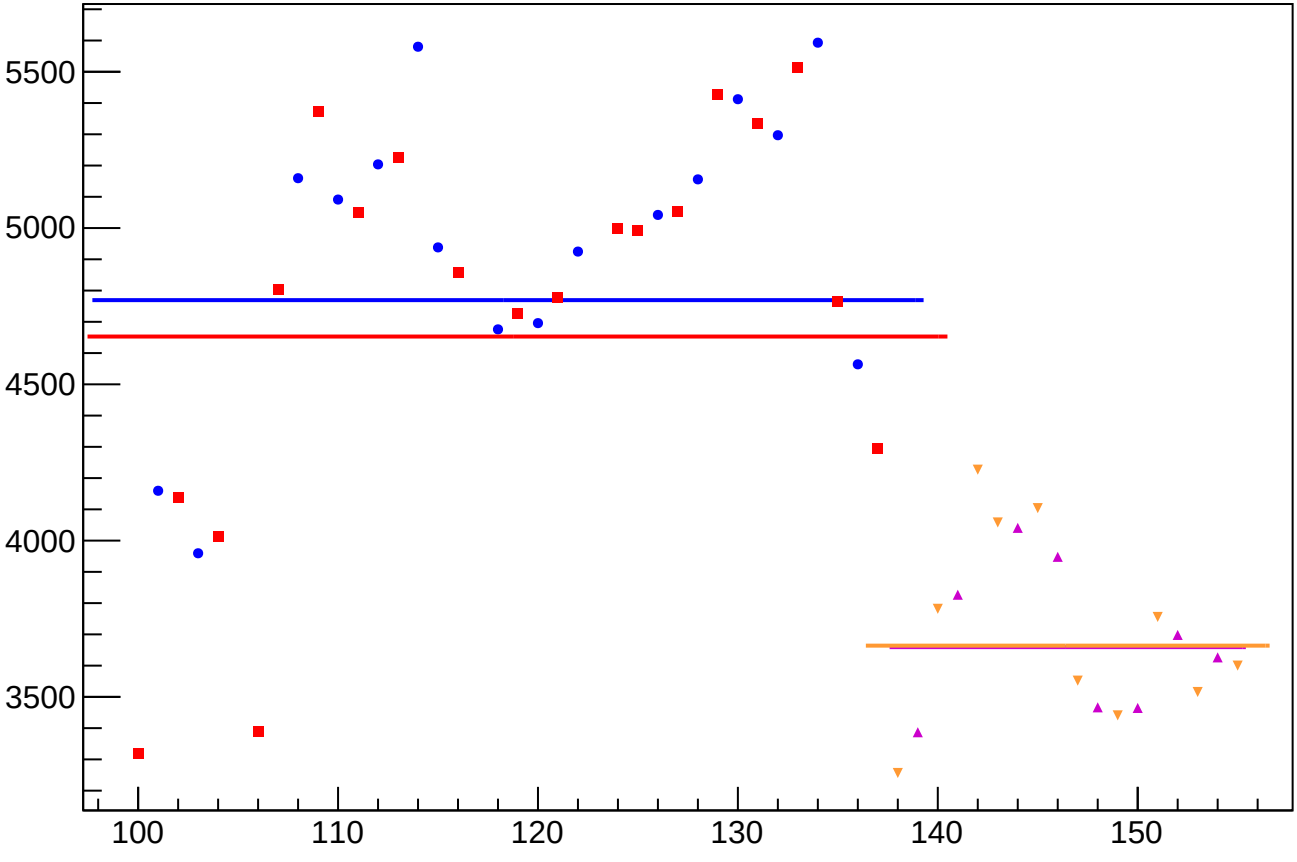
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 12.618+/-1.094 χ^2/NDF:181.6/23

Out: 2.978+/-1.042 χ^2/NDF:159.6/28

All: 7.562+/-0.755 χ^2/NDF: 381.9/52

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3663.959+/-0.928 χ^2/NDF:88731.3/9

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3659.195+/-0.980 χ^2/NDF:50959.5/7

Left: 3661.708+/-0.674 χ^2/NDF: 139703.2/17

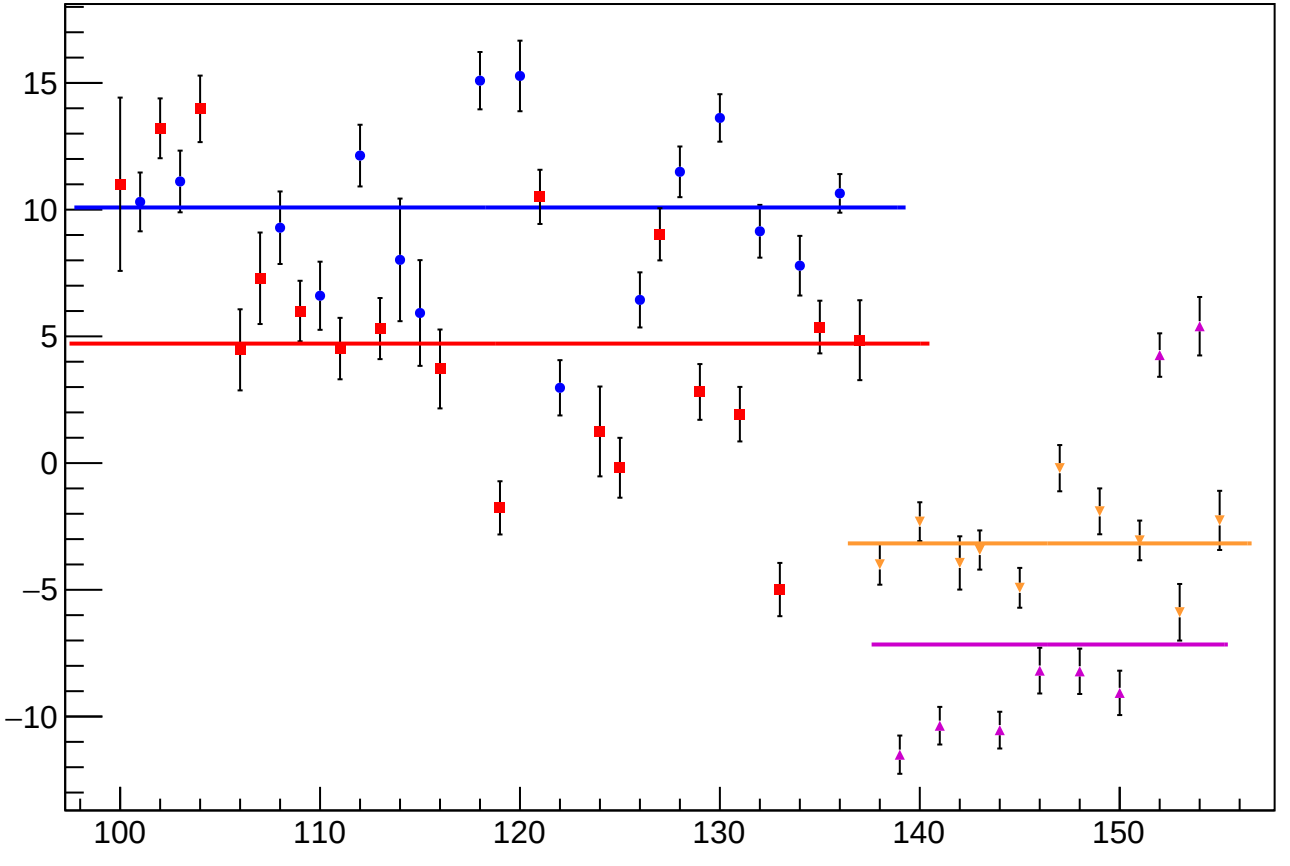
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4077.897+/-0.774 χ^2/NDF:686148.1/23

Out: 4029.633+/-0.737 χ^2/NDF:773697.7/28

All: 4052.582+/-0.534 χ^2/NDF: 1461886.2/52

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.169+/-0.277 χ^2/NDF:27.0/9

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -7.158+/-0.297 χ^2/NDF:376.7/7

Left: -5.027+/-0.202 χ^2/NDF: 500.4/17

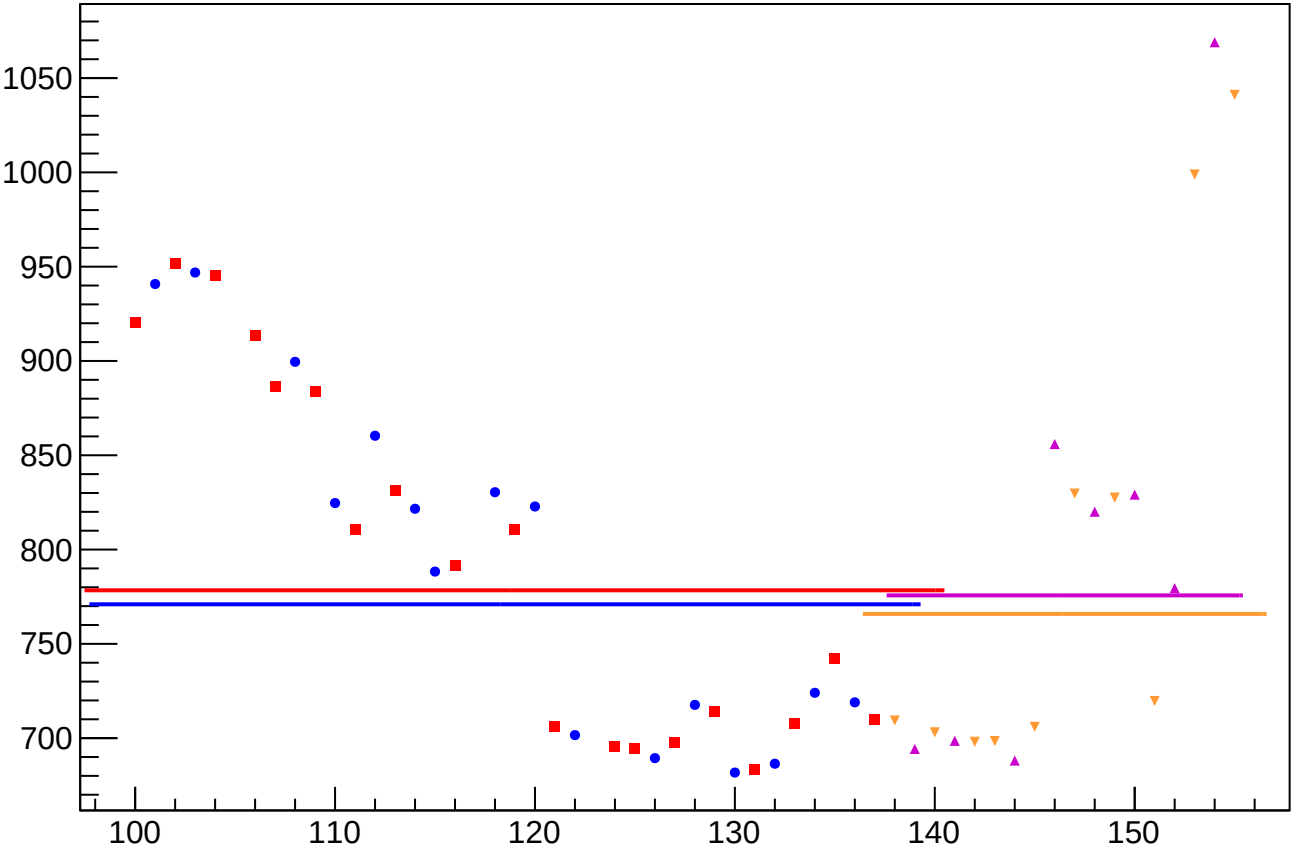
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 1.707+/-0.207 χ^2/NDF:2238.1/23

Out: 0.649+/-0.199 χ^2/NDF:729.8/28

All: 1.158+/-0.143 χ^2/NDF: 2981.5/52

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 765.876+/-0.196 χ^2/NDF:282832.9/9

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 775.697+/-0.210 χ^2/NDF:231507.4/7

Left: 770.449+/-0.143 χ^2/NDF: 515511.7/17

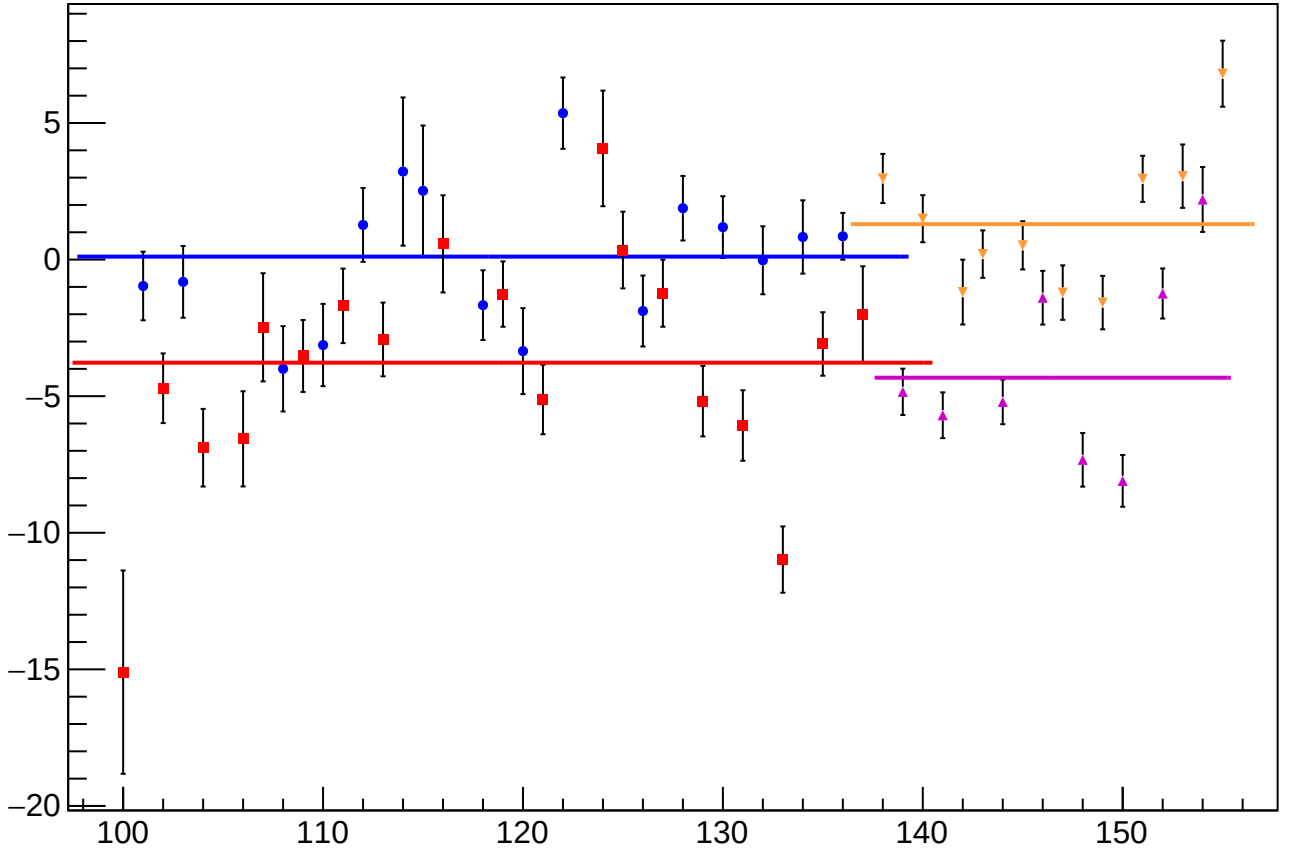
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 773.269+/-0.146 χ^2/NDF:424680.0/23

Out: 771.938+/-0.141 χ^2/NDF:481356.4/28

All: 772.578+/-0.101 χ^2/NDF: 906079.4/52

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 1.298+/-0.305 χ^2/NDF:52.1/9

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -4.324+/-0.326 χ^2/NDF:79.8/7

Left: -1.320+/-0.223 χ^2/NDF: 290.6/17

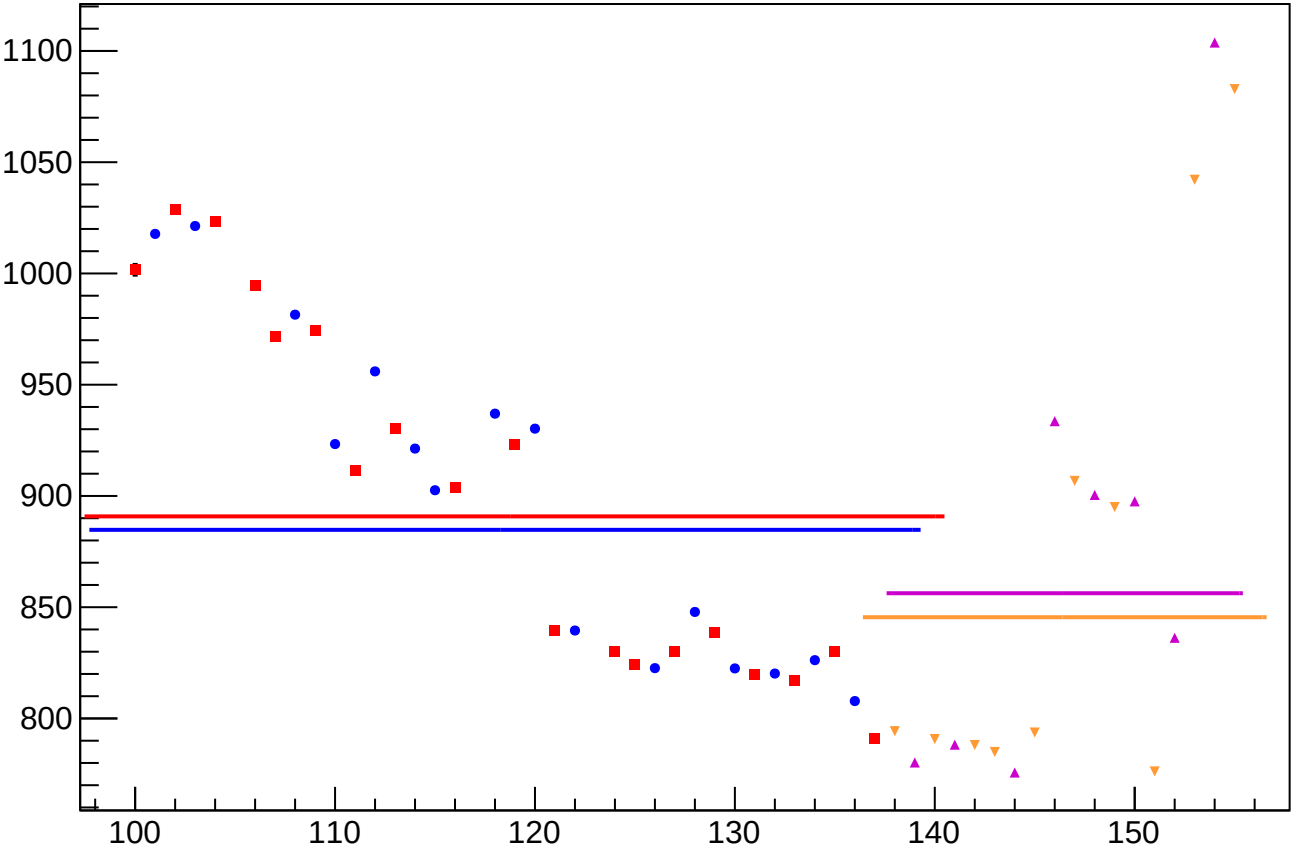
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -2.132+/-0.232 χ^2/NDF:216.5/23

Out: -1.065+/-0.223 χ^2/NDF:280.9/28

All: -1.577+/-0.161 χ^2/NDF: 508.4/52

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 845.495+/-0.215 χ^2/NDF:196541.4/9

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 856.280+/-0.231 χ^2/NDF:156695.4/7

Left: 850.517+/-0.157 χ^2/NDF: 354404.5/17

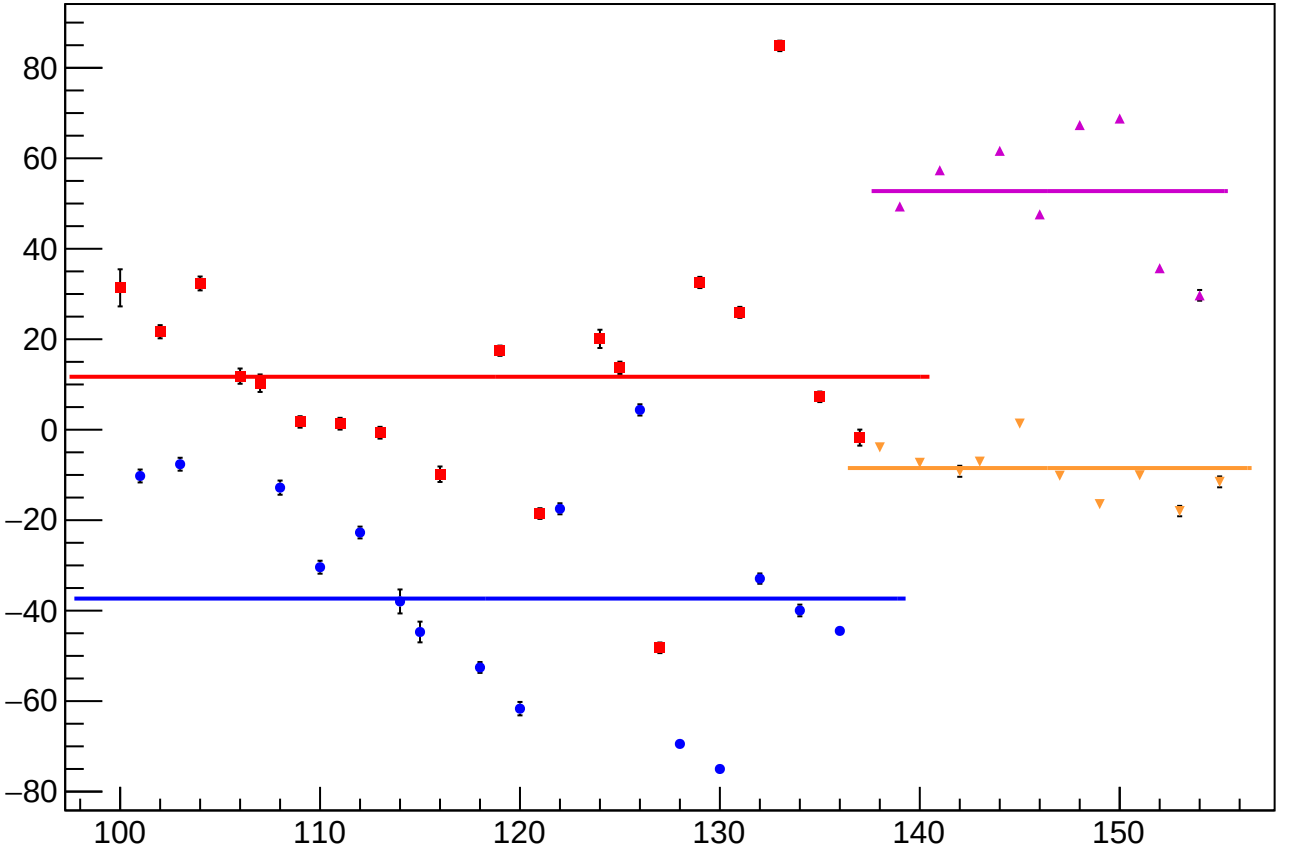
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 870.369+/-0.164 χ^2/NDF:268731.8/23

Out: 866.613+/-0.157 χ^2/NDF:324939.0/28

All: 868.413+/-0.114 χ^2/NDF: 593943.7/52

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -8.476+/-0.310 χ^2/NDF:286.5/9

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 52.750+/-0.335 χ^2/NDF:1351.4/7

Left: 19.777+/-0.228 χ^2/NDF: 19633.4/17

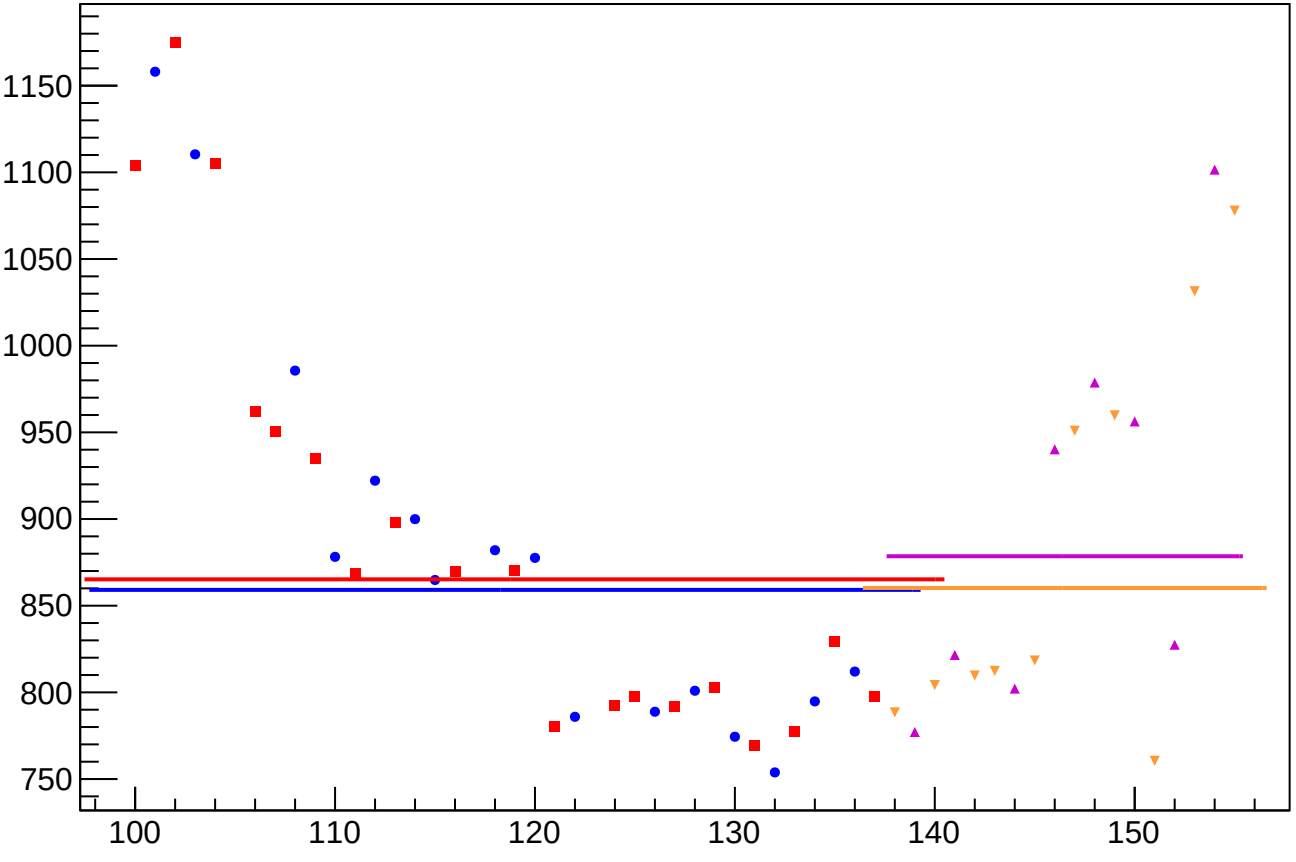
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 5.899+/-0.232 χ^2/NDF:44155.7/23

Out: 1.362+/-0.222 χ^2/NDF:10815.7/28

All: 3.530+/-0.160 χ^2/NDF: 55171.0/52

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 860.217+/-0.219 χ^2/NDF:205981.3/9

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 878.521+/-0.237 χ^2/NDF:167823.3/7

Left: 868.663+/-0.161 χ^2/NDF: 377021.3/17

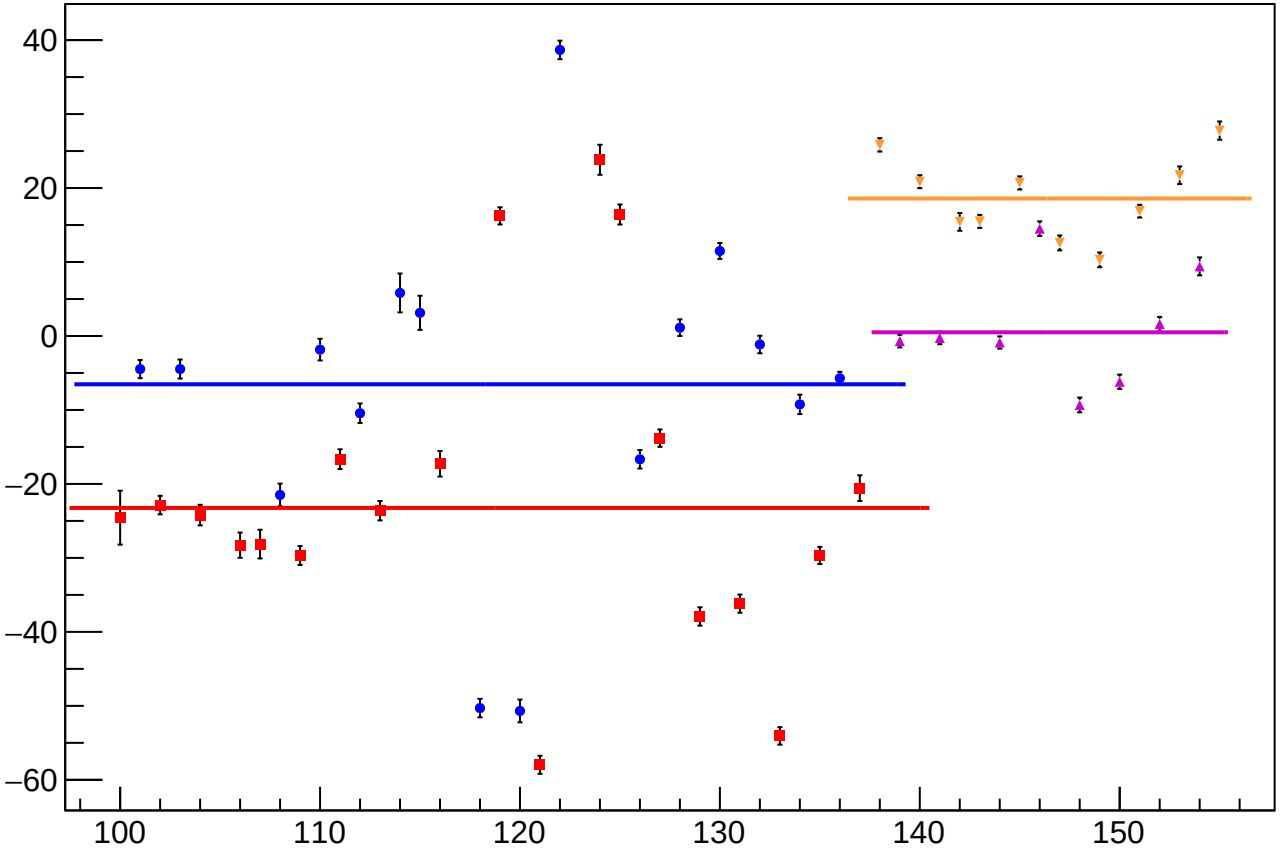
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 868.434+/-0.164 χ^2/NDF:400021.2/23

Out: 862.652+/-0.157 χ^2/NDF:429903.6/28

All: 865.415+/-0.113 χ^2/NDF: 830573.1/52

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 18.583+/-0.309 χ^2/NDF:265.9/9

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 0.498+/-0.332 χ^2/NDF:407.5/7

Left: 10.165+/-0.226 χ^2/NDF: 2264.1/17

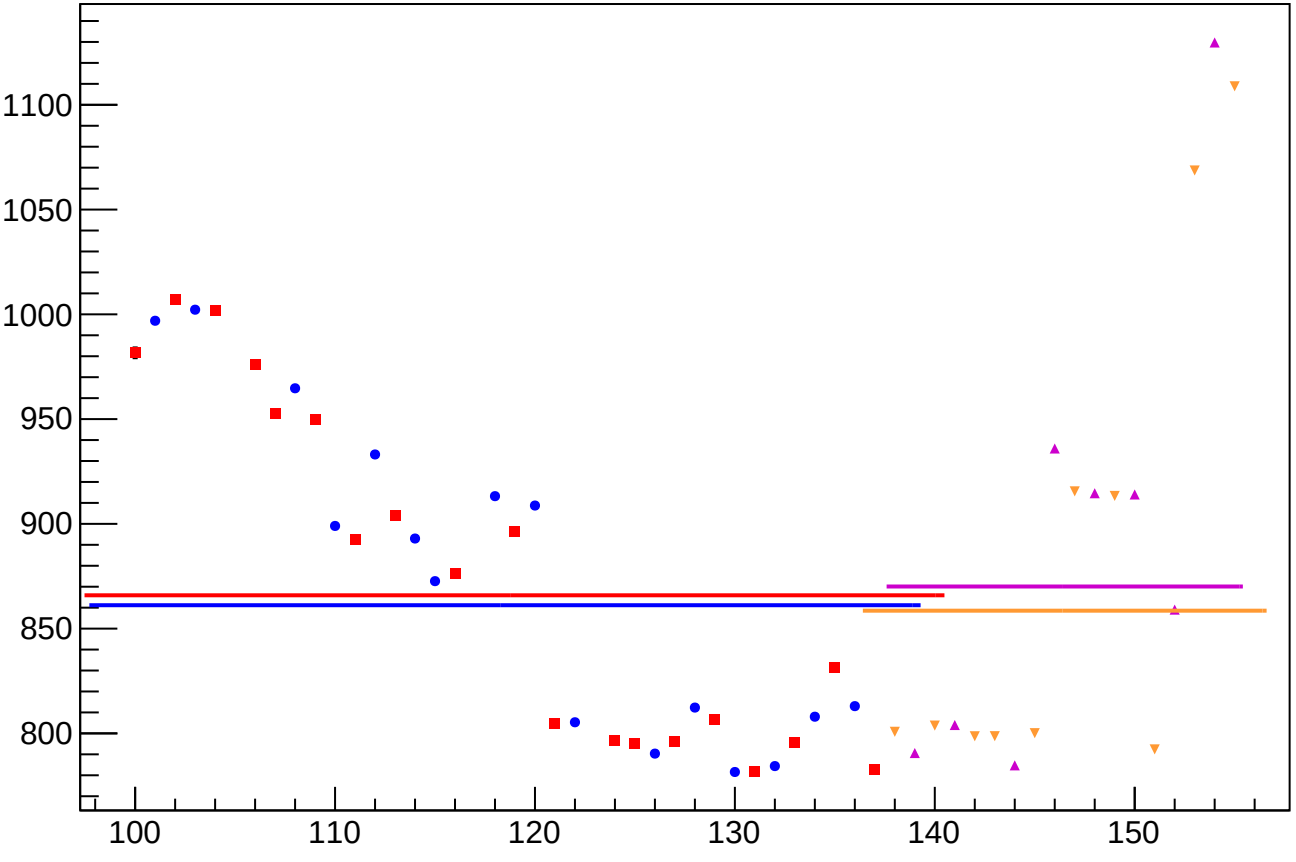
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -3.126+/-0.231 χ^2/NDF:4585.3/23

Out: -1.818+/-0.221 χ^2/NDF:13652.6/28

All: -2.445+/-0.160 χ^2/NDF: 18254.6/52

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 858.562+/-0.219 χ^2/NDF:207164.5/9

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 870.103+/-0.234 χ^2/NDF:158977.6/7

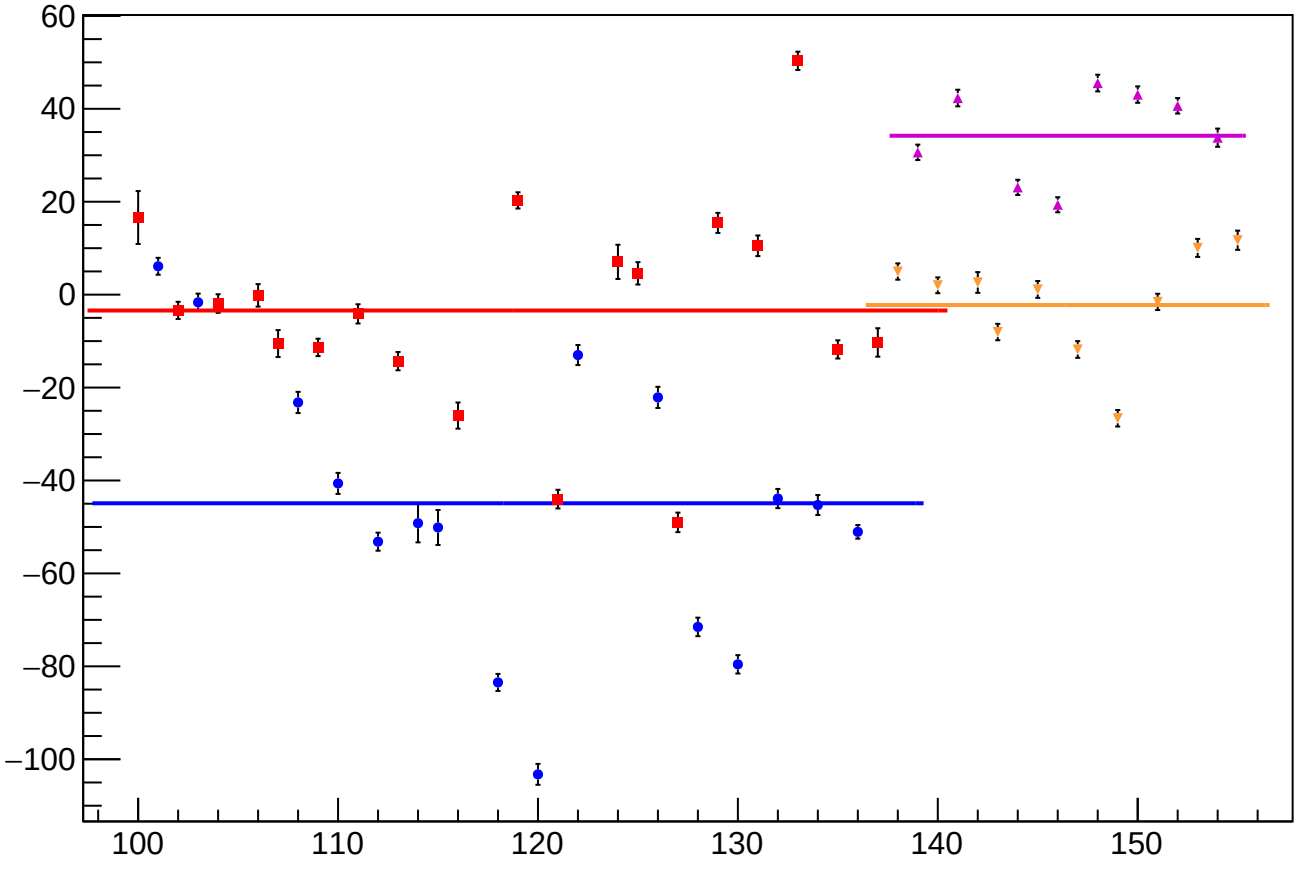
Left: 863.934+/-0.160 χ^2/NDF: 367437.8/17

Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 865.495+/-0.163 χ^2/NDF:273256.6/23

Out: 862.145+/-0.157 χ^2/NDF:326132.5/28

All: 863.751+/-0.113 χ^2/NDF: 599608.6/52



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.235+/-0.583 χ^2/NDF:344.1/9

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 34.202+/-0.611 χ^2/NDF:235.2/7

Left: 15.125+/-0.422 χ^2/NDF: 2443.0/17

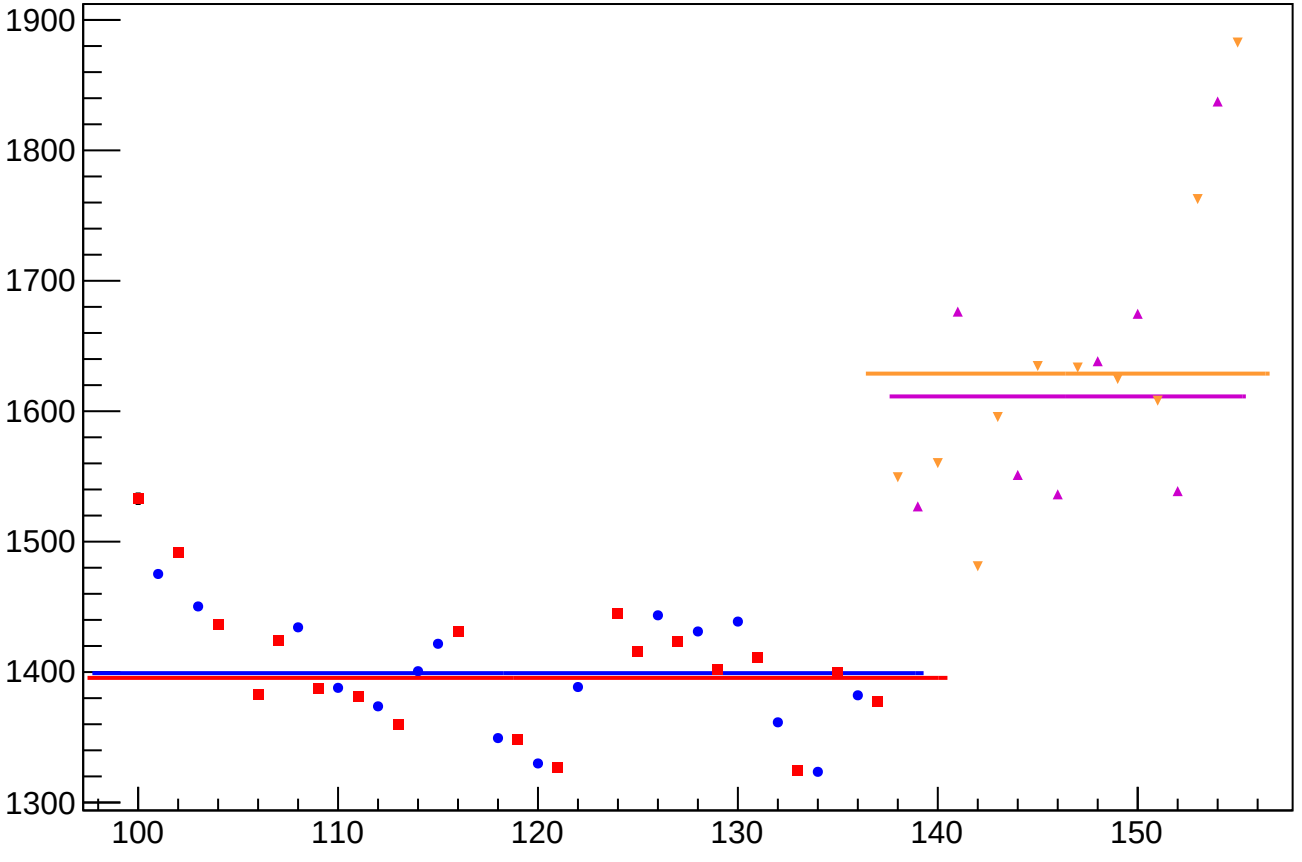
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -11.665+/-0.396 χ^2/NDF:13341.1/23

Out: -2.905+/-0.383 χ^2/NDF:2448.6/28

All: -7.144+/-0.275 χ^2/NDF: 16042.3/52

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1628.836+/-0.412 χ^2/NDF:56739.9/9

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1611.347+/-0.432 χ^2/NDF:48285.1/7

Left: 1620.504+/-0.298 χ^2/NDF: 105883.6/17

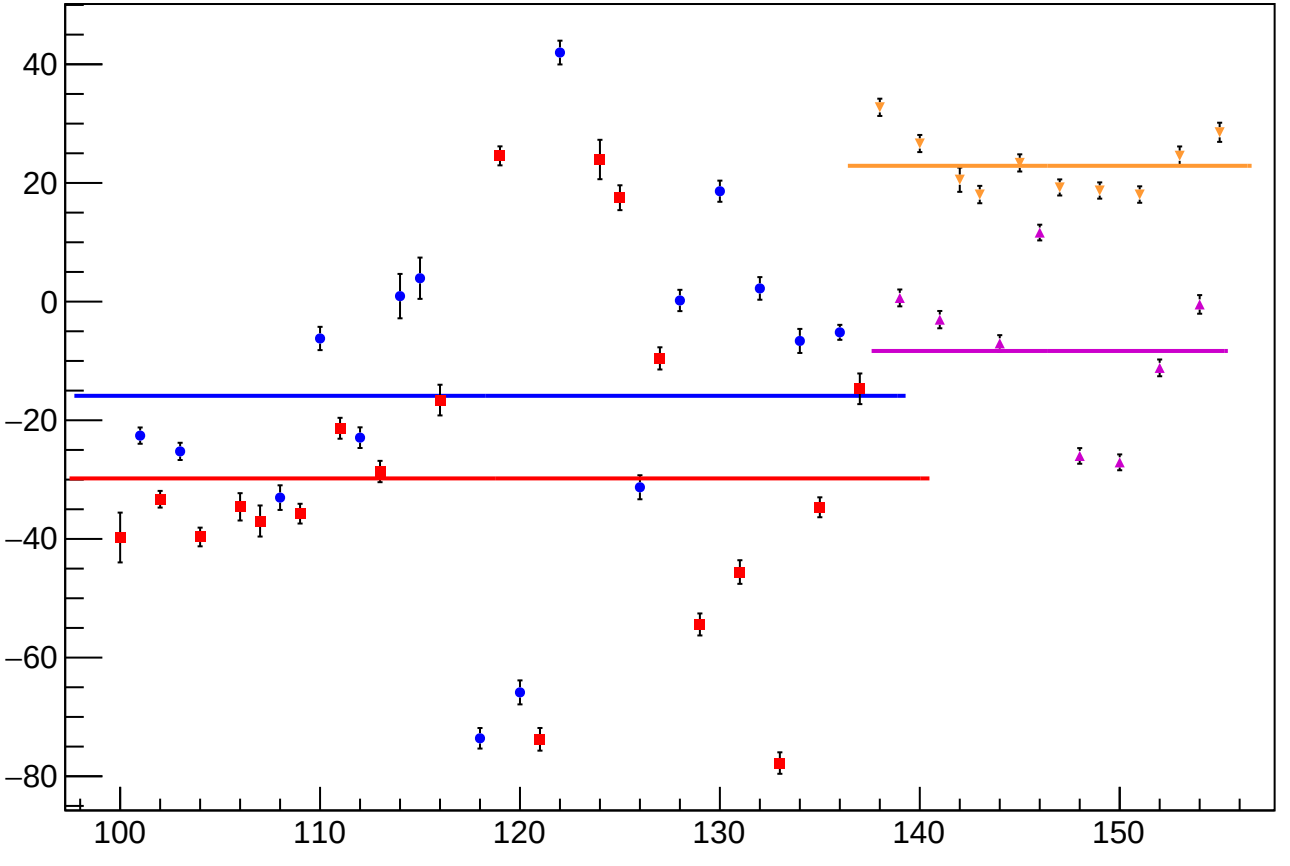
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1488.326+/-0.280 χ^2/NDF:203097.1/23

Out: 1496.569+/-0.271 χ^2/NDF:254802.8/28

All: 1492.579+/-0.195 χ^2/NDF: 458347.4/52

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 22.890+/-0.470 χ^2/NDF:107.2/9

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -8.319+/-0.494 χ^2/NDF:687.4/7

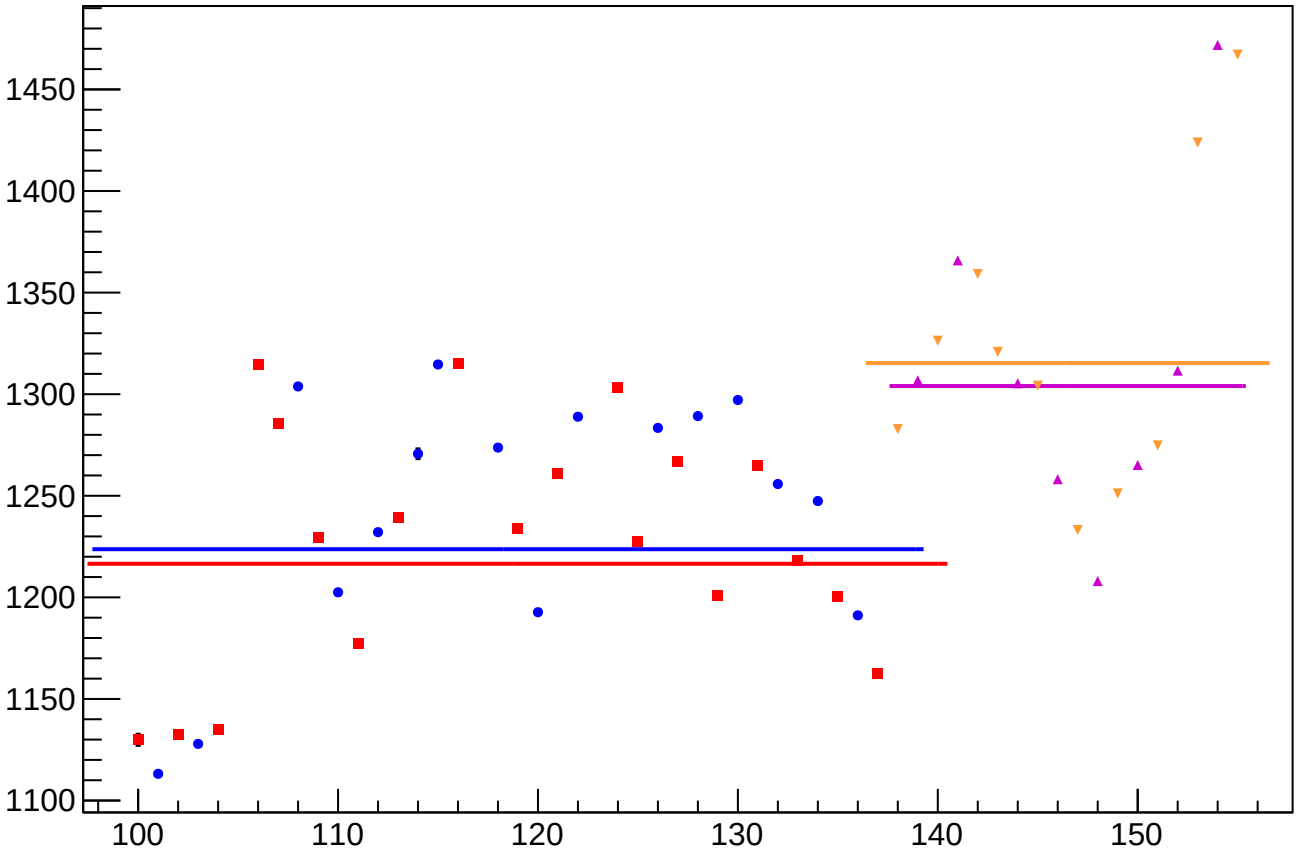
Left: 8.040+/-0.340 χ^2/NDF: 2890.5/17

Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -12.403+/-0.335 χ^2/NDF:4291.9/23

Out: -4.945+/-0.323 χ^2/NDF:10421.1/28

All: -8.542+/-0.232 χ^2/NDF: 14970.2/52



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1315.329+/-0.333 χ^2/NDF:42913.0/9

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1304.006+/-0.349 χ^2/NDF:41252.3/7

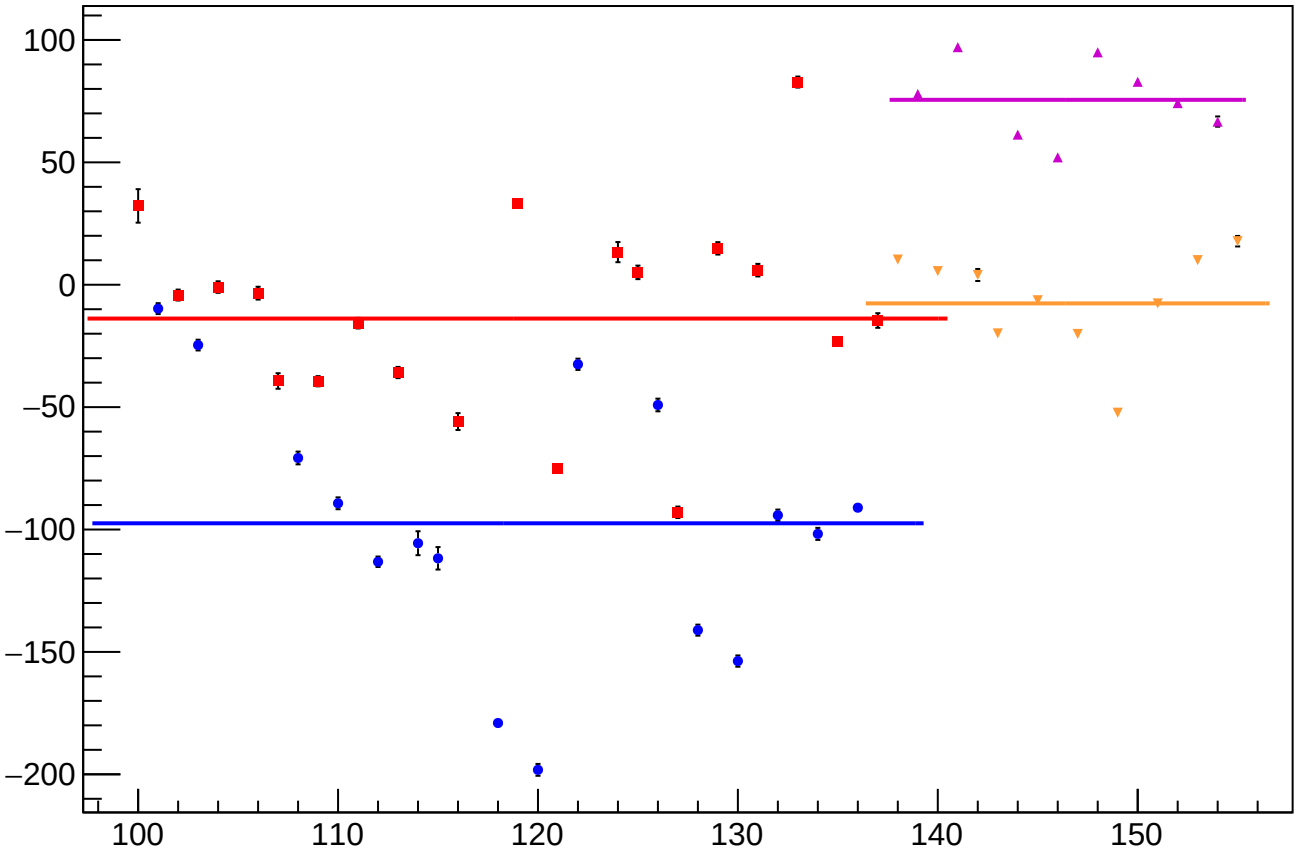
Left: 1309.941+/-0.241 χ^2/NDF: 84717.0/17

Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1260.617+/-0.237 χ^2/NDF:110743.9/23

Out: 1263.138+/-0.228 χ^2/NDF:118931.3/28

All: 1261.922+/-0.164 χ^2/NDF: 229734.0/52



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -7.618+/-0.598 χ^2/NDF:1109.6/9

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 75.543+/-0.630 χ^2/NDF:570.6/7

Left: 31.801+/-0.433 χ^2/NDF: 10857.9/17

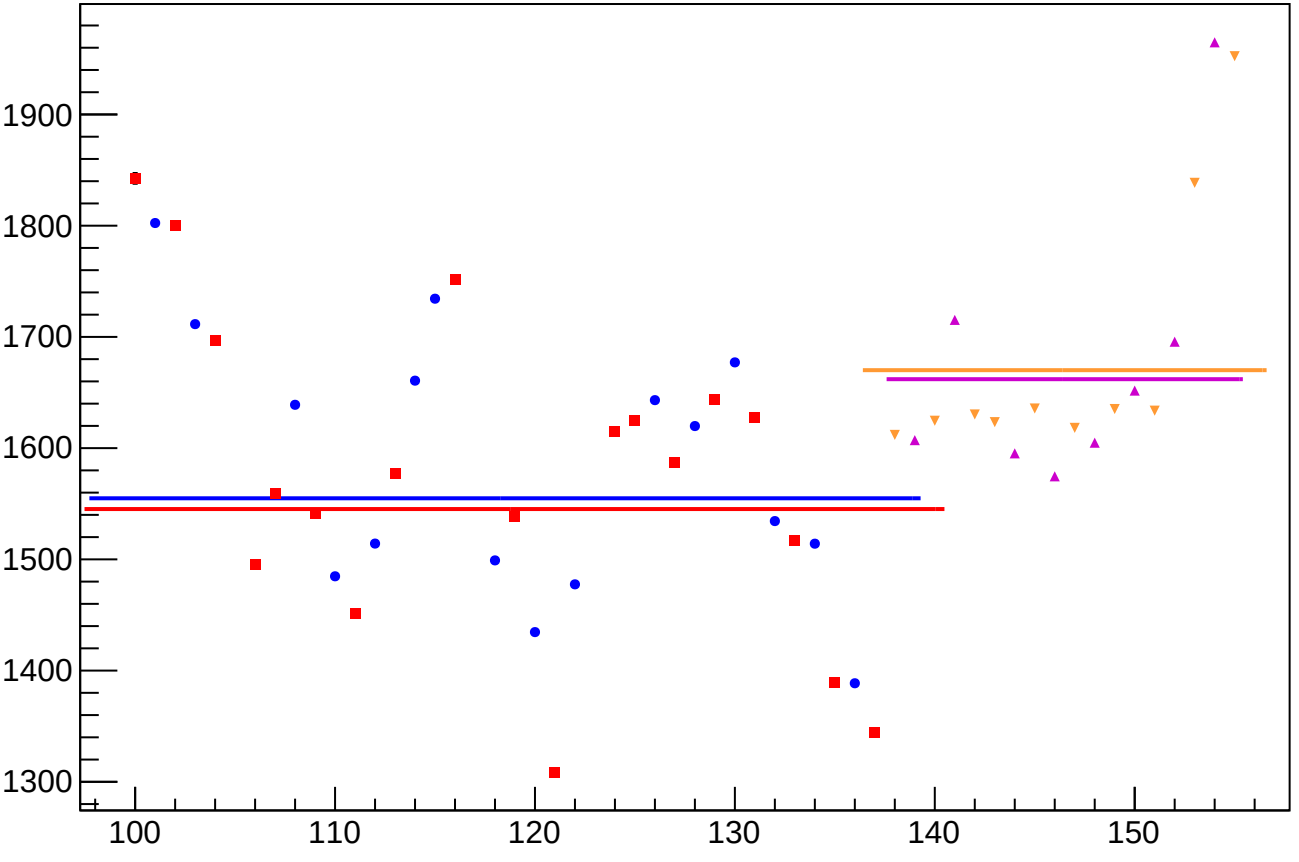
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -18.119+/-0.426 χ^2/NDF:49751.8/23

Out: -10.888+/-0.411 χ^2/NDF:6518.5/28

All: -14.370+/-0.296 χ^2/NDF: 56419.5/52

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1670.098+/-0.423 χ^2/NDF:57593.3/9

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1661.994+/-0.445 χ^2/NDF:57053.2/7

Left: 1666.256+/-0.306 χ^2/NDF: 114820.9/17

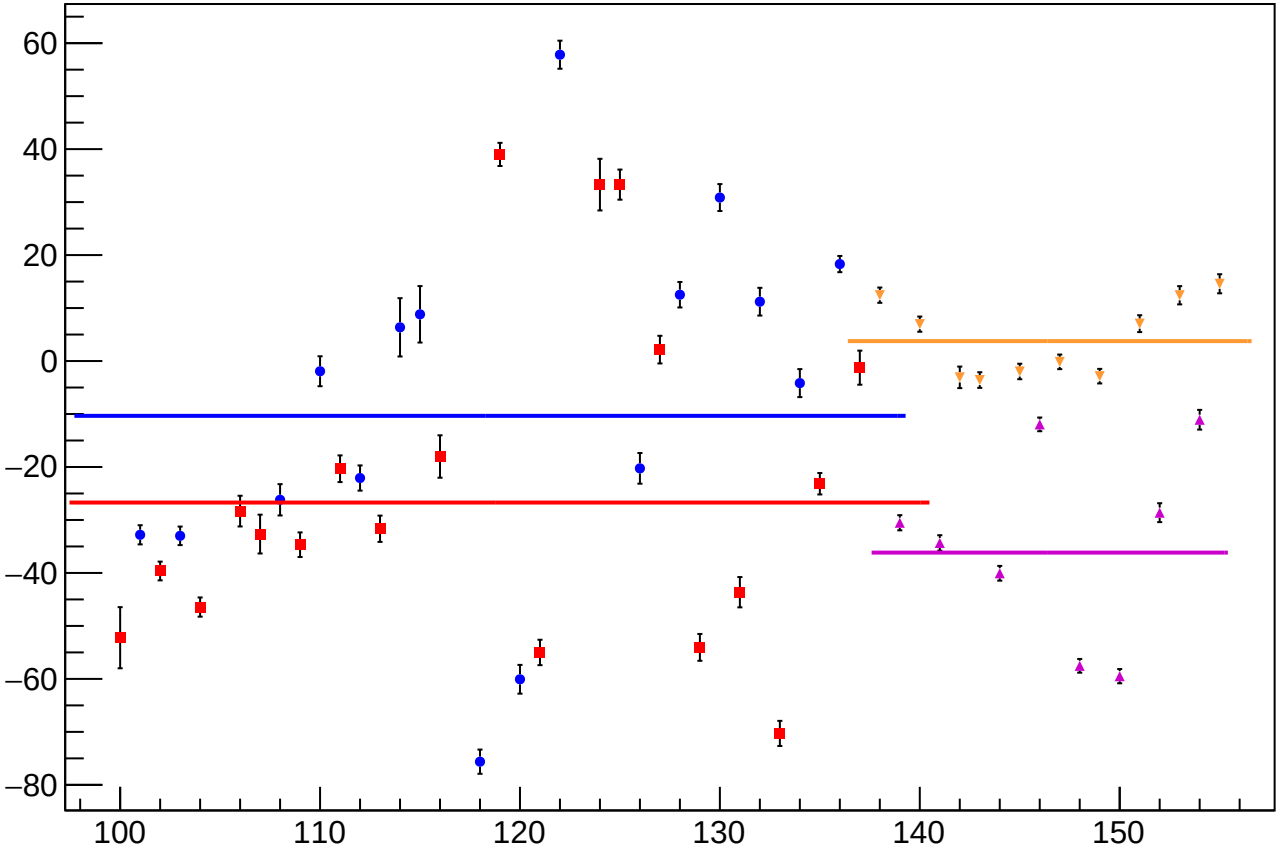
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1604.017+/-0.301 χ^2/NDF:176301.0/23

Out: 1604.239+/-0.291 χ^2/NDF:212427.0/28

All: 1604.132+/-0.209 χ^2/NDF: 388728.3/52

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 3.763+/-0.486 χ^2/NDF:189.5/9

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -36.158+/-0.512 χ^2/NDF:1147.4/7

Left: -15.182+/-0.352 χ^2/NDF: 4536.6/17

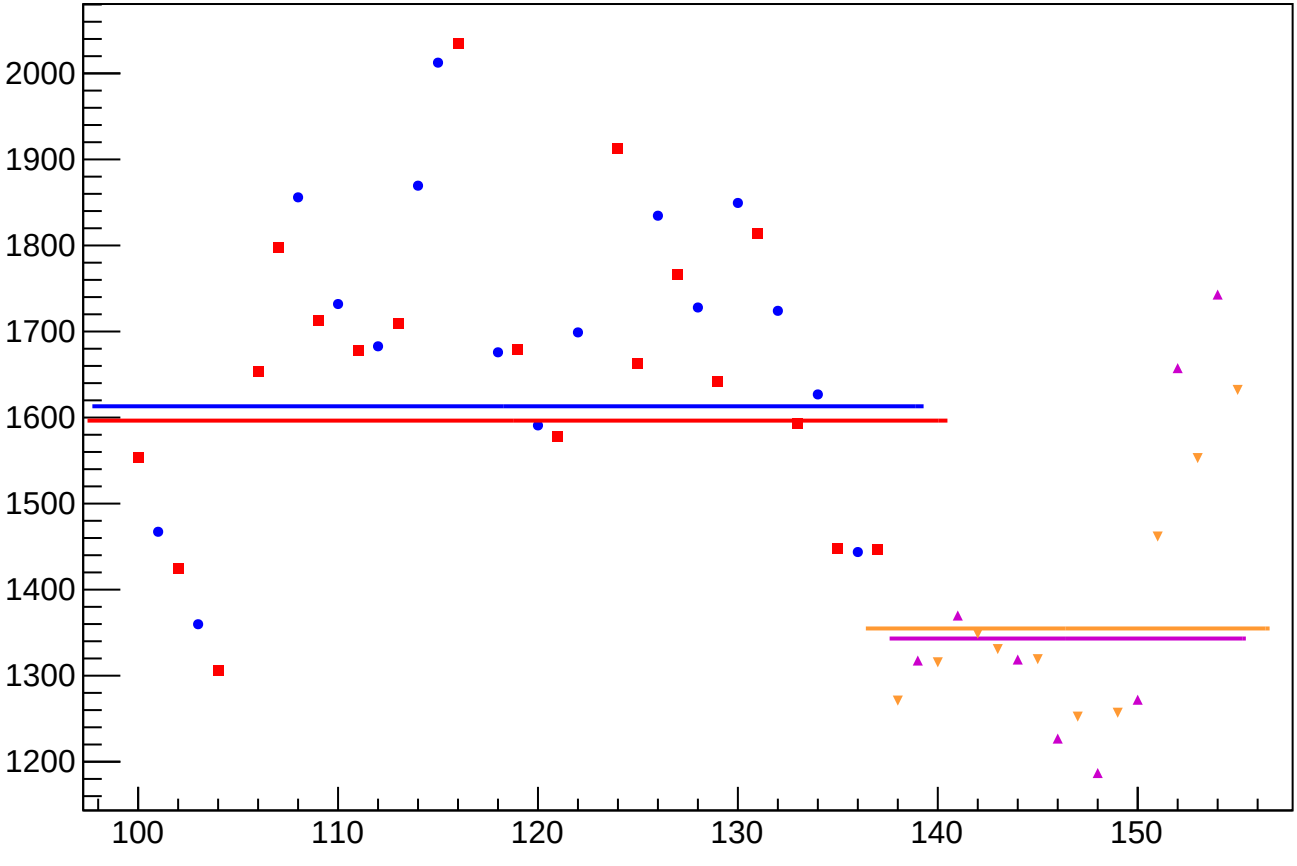
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -25.358+/-0.390 χ^2/NDF:5219.7/23

Out: -8.651+/-0.374 χ^2/NDF:4330.6/28

All: -16.658+/-0.270 χ^2/NDF: 10505.3/52

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1354.864+/-0.344 χ^2/NDF:114068.9/9

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1343.176+/-0.362 χ^2/NDF:207184.4/7

Left: 1349.317+/-0.249 χ^2/NDF: 321801.8/17

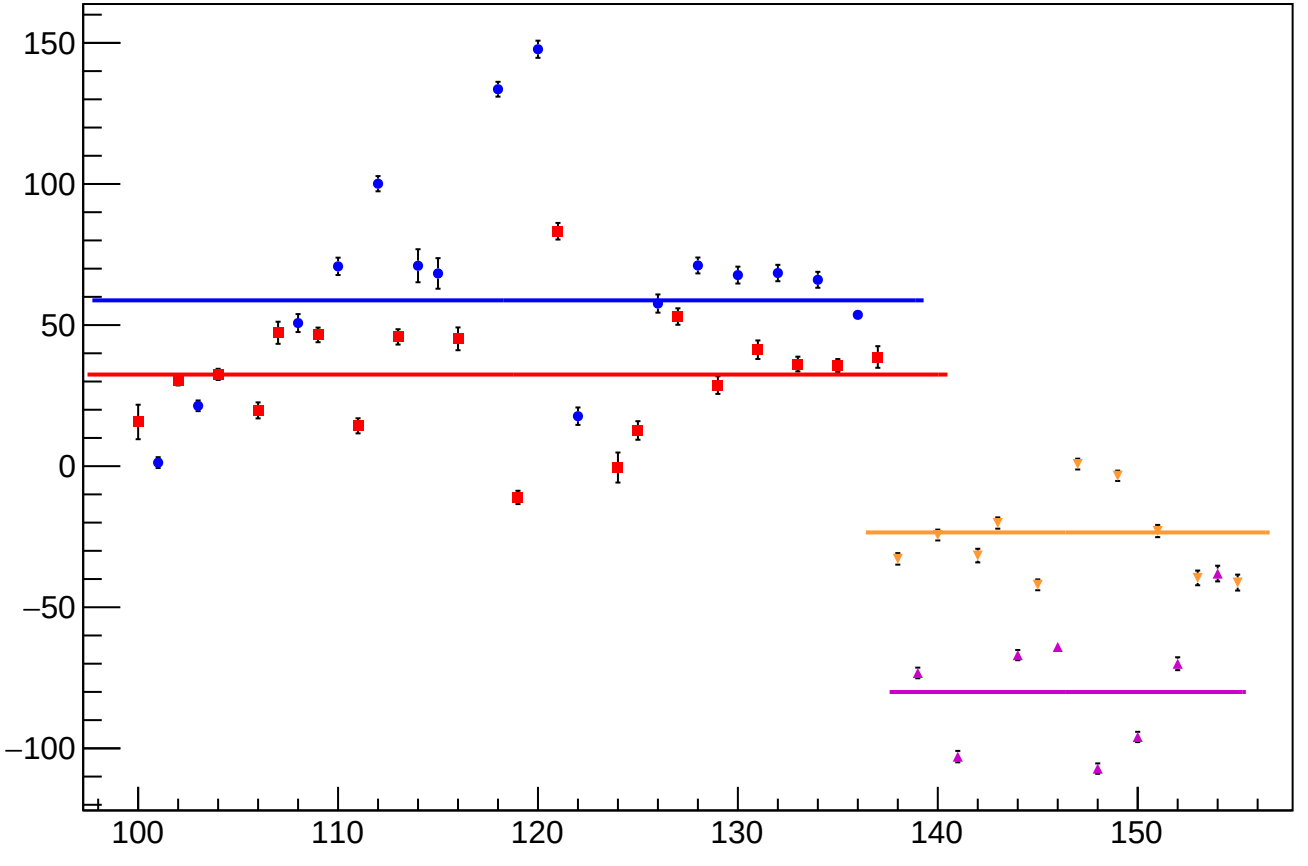
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1456.113+/-0.276 χ^2/NDF:594853.7/23

Out: 1453.281+/-0.265 χ^2/NDF:475965.4/28

All: 1454.638+/-0.191 χ^2/NDF: 1070874.0/52

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -23.486+/-0.665 χ^2/NDF:487.4/9

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -80.034+/-0.696 χ^2/NDF:814.4/7

Left: -50.489+/-0.481 χ^2/NDF: 4754.5/17

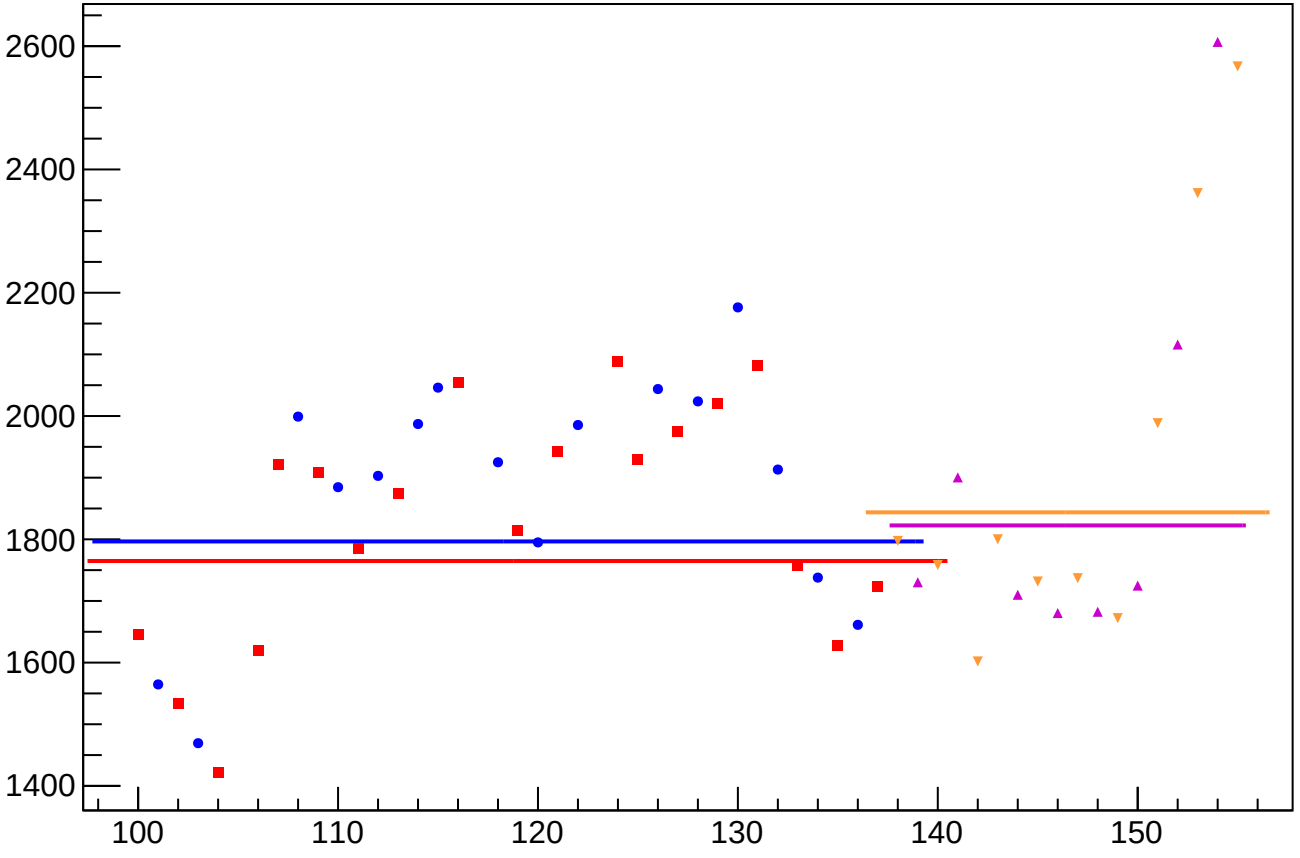
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -8.286+/-0.483 χ^2/NDF:24837.2/23

Out: 5.196+/-0.464 χ^2/NDF:5047.0/28

All: -1.272+/-0.335 χ^2/NDF: 30288.8/52

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1843.776+/-0.470 χ^2/NDF:275711.6/9

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 1822.534+/-0.492 χ^2/NDF:237695.9/7

Left: 1833.632+/-0.340 χ^2/NDF: 514382.0/17

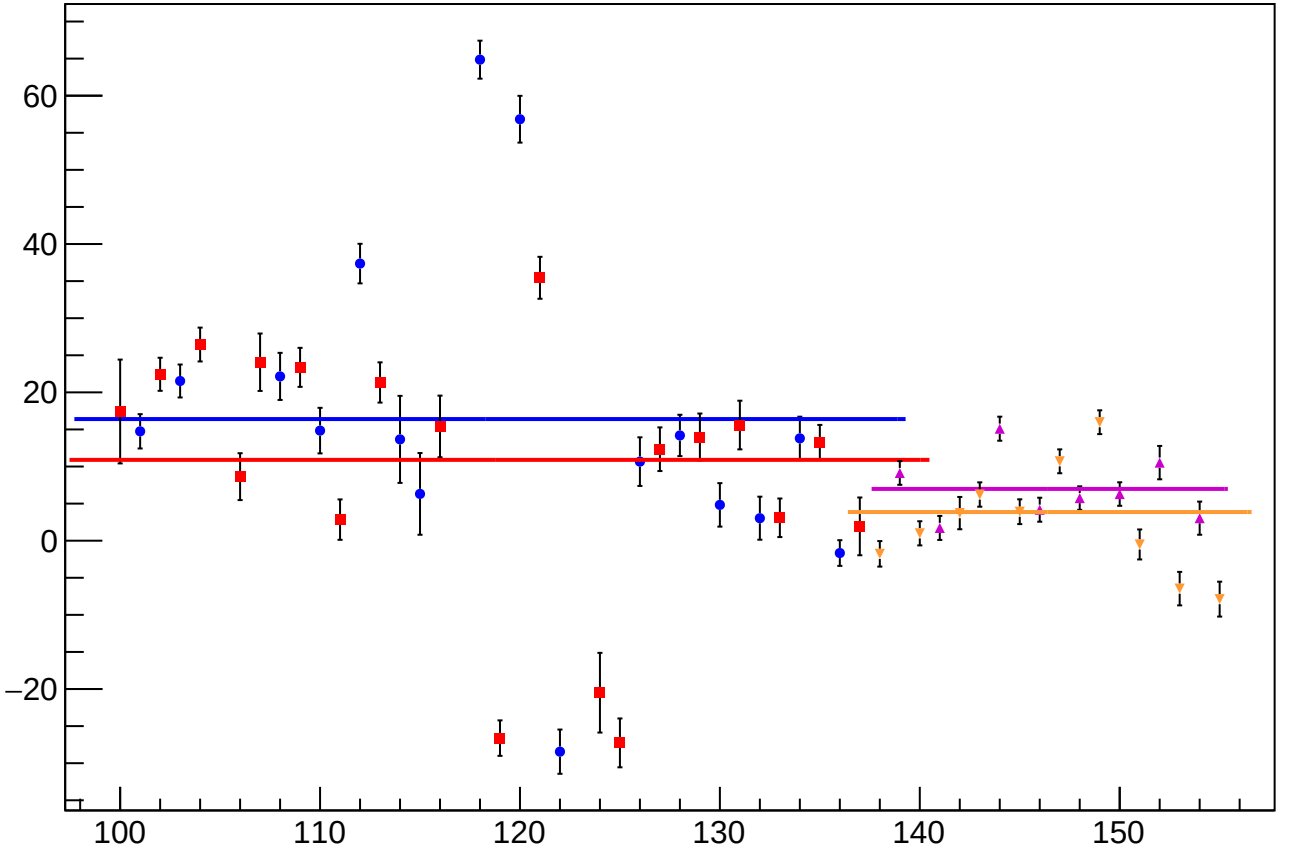
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1809.104+/-0.342 χ^2/NDF:432309.8/23

Out: 1803.322+/-0.328 χ^2/NDF:480136.9/28

All: 1806.096+/-0.237 χ^2/NDF: 912595.5/52

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 3.863+/-0.573 χ^2/NDF:141.4/9

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 6.981+/-0.605 χ^2/NDF:46.9/7

Left: 5.335+/-0.416 χ^2/NDF: 202.3/17

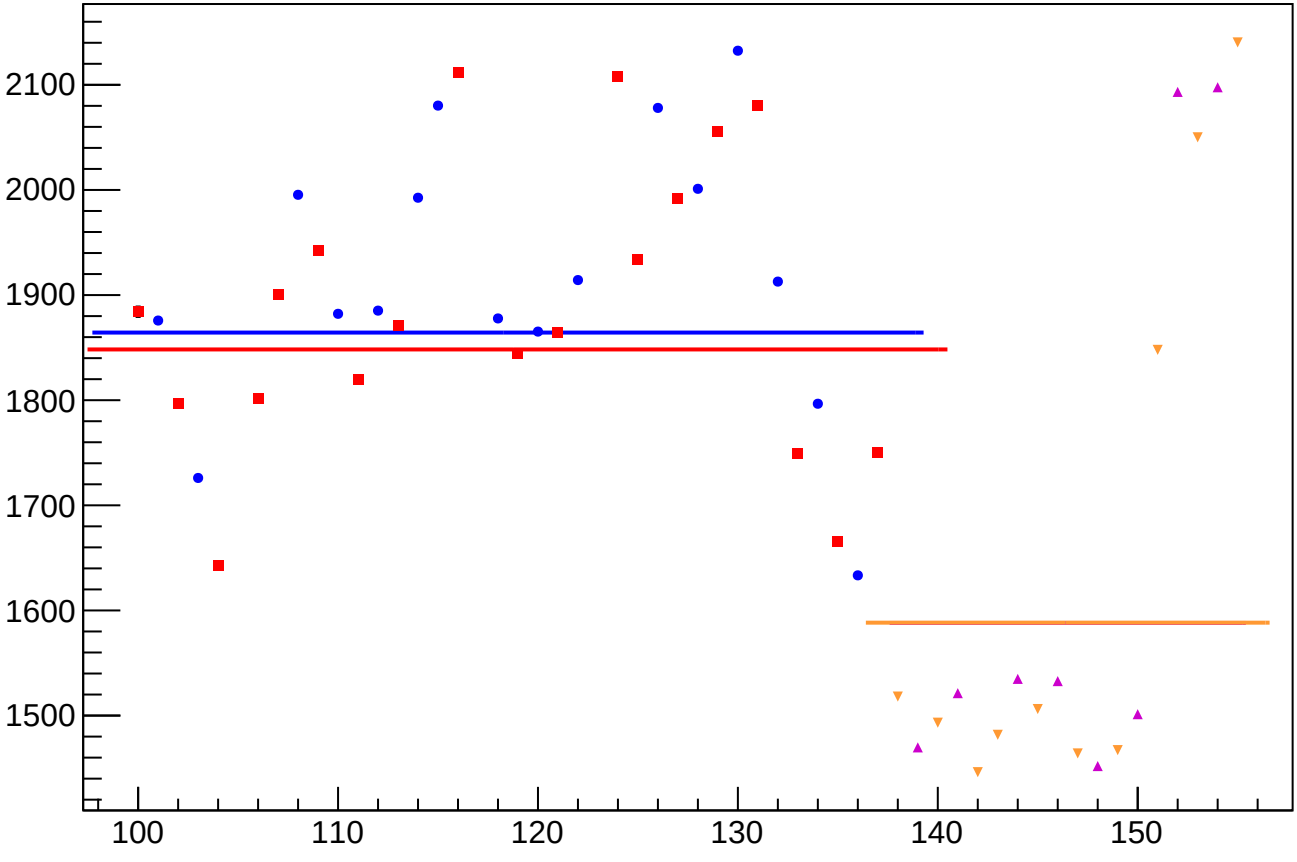
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 11.043+/-0.456 χ^2/NDF:1124.3/23

Out: 6.800+/-0.437 χ^2/NDF:846.2/28

All: 8.830+/-0.316 χ^2/NDF: 2015.6/52

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1588.380+/-0.405 χ^2/NDF:282002.4/9

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1588.085+/-0.428 χ^2/NDF:244471.9/7

Left: 1588.241+/-0.294 χ^2/NDF: 526474.6/17

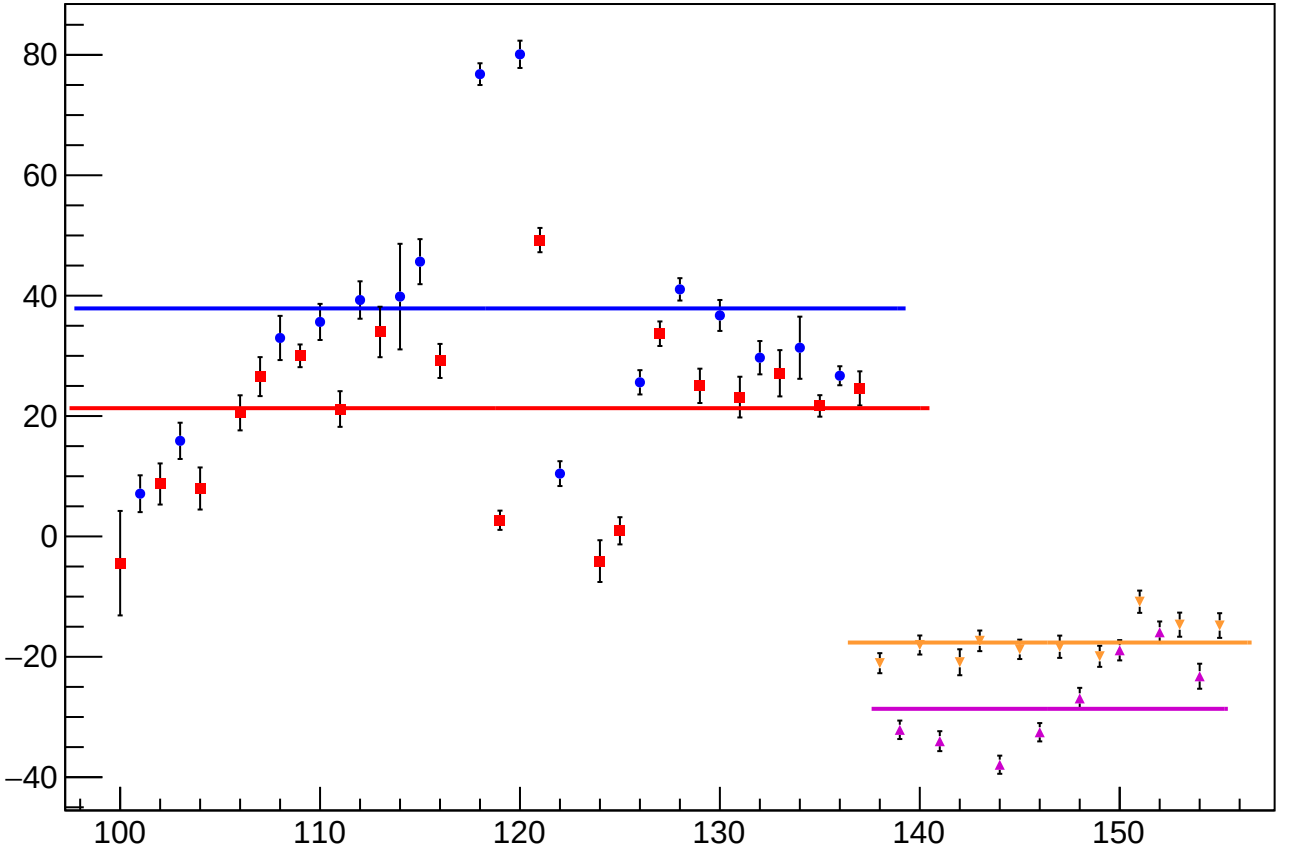
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1707.237+/-0.323 χ^2/NDF:507491.5/23

Out: 1696.888+/-0.309 χ^2/NDF:529040.9/28

All: 1701.837+/-0.223 χ^2/NDF: 1037069.0/52

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.629+/-0.568 χ^2/NDF:26.5/9

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -28.641+/-0.589 χ^2/NDF:151.7/7

Left: -22.937+/-0.409 χ^2/NDF: 359.3/17

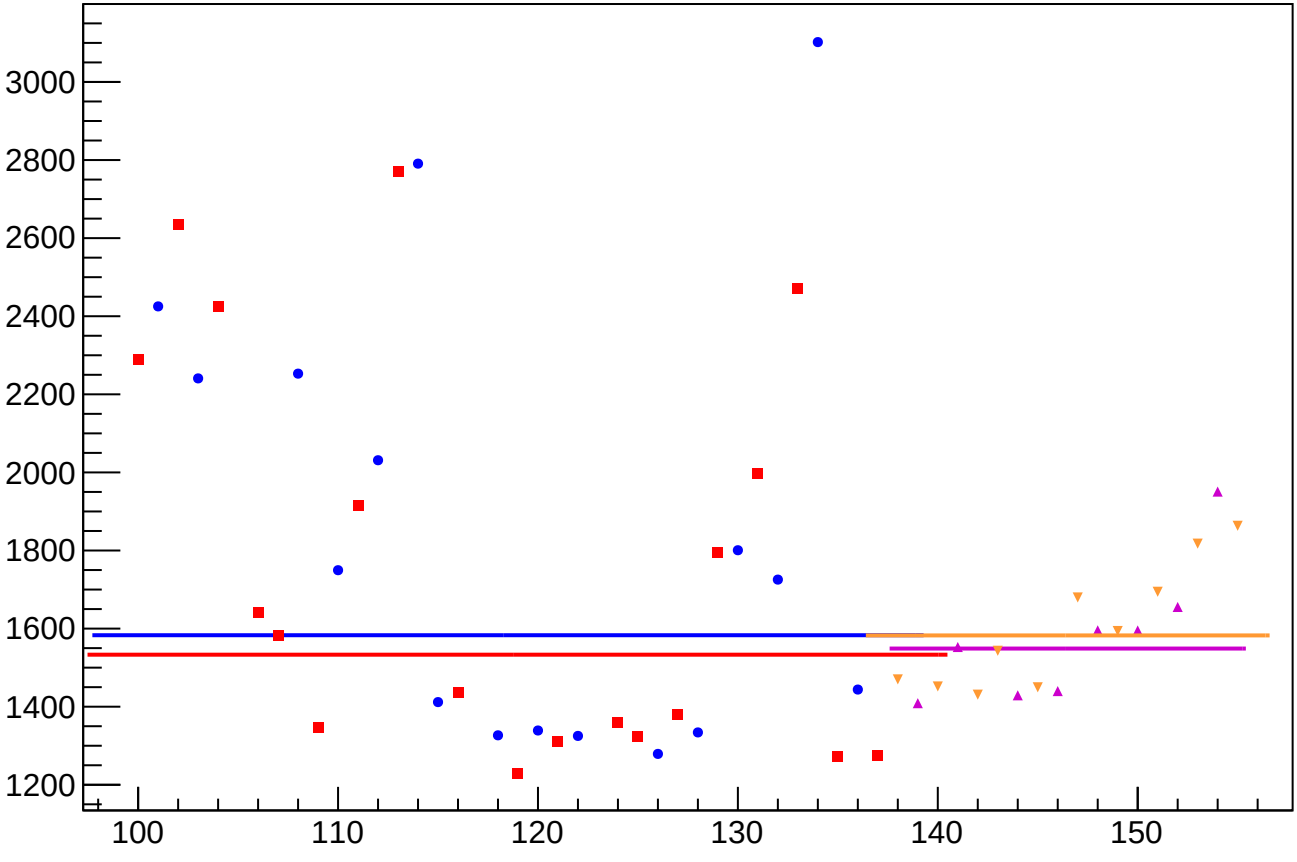
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 2.784+/-0.428 χ^2/NDF:7429.0/23

Out: 1.006+/-0.410 χ^2/NDF:2857.2/28

All: 1.858+/-0.296 χ^2/NDF: 10295.2/52

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1582.552+/-0.402 χ^2/NDF:125317.8/9

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1548.894+/-0.416 χ^2/NDF:124242.8/7

Left: 1566.328+/-0.289 χ^2/NDF: 252944.5/17

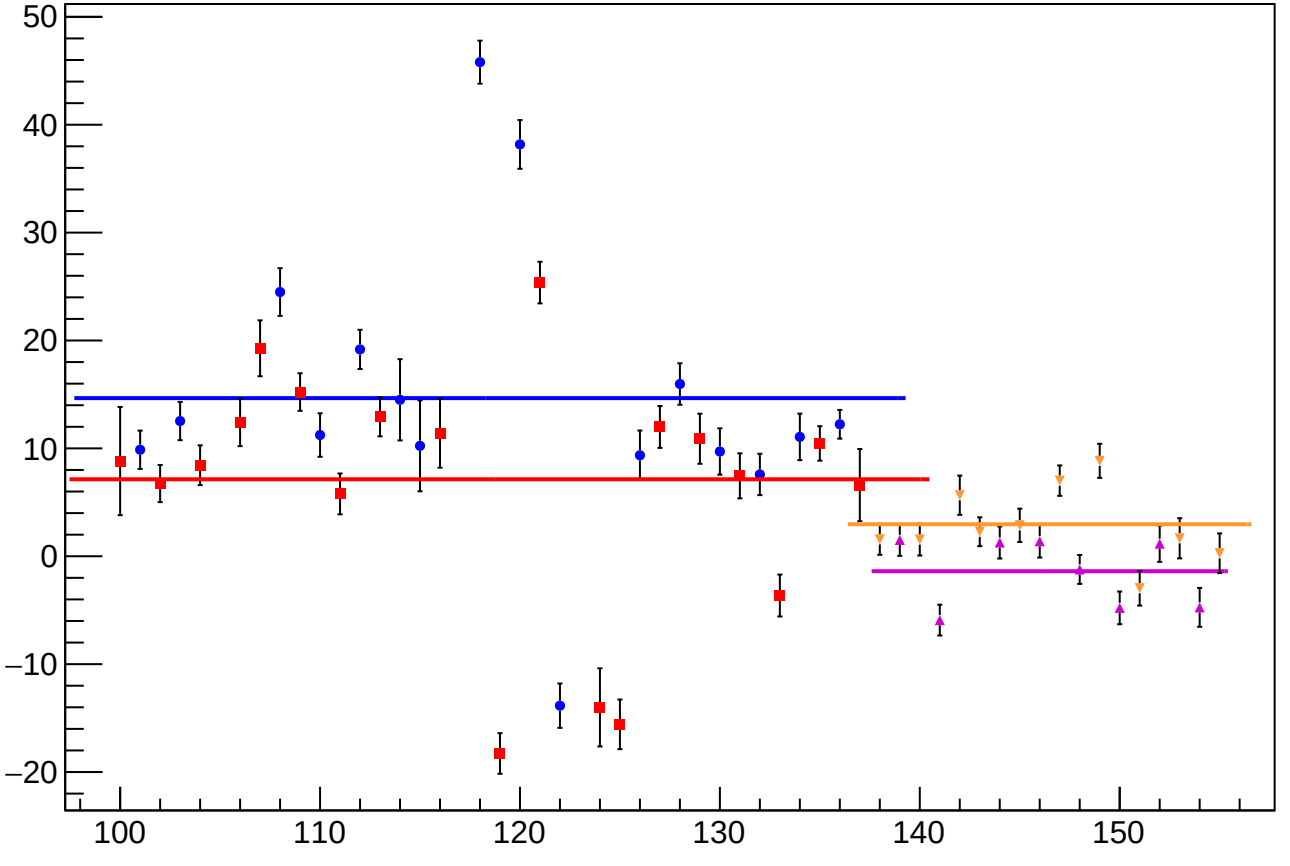
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1565.029+/-0.302 χ^2/NDF:915093.3/23

Out: 1558.926+/-0.290 χ^2/NDF:1083322.1/28

All: 1561.850+/-0.209 χ^2/NDF: 1998627.5/52

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.968+/-0.494 χ^2/NDF:42.6/9

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -1.386+/-0.535 χ^2/NDF:31.3/7

Left: 0.964+/-0.363 χ^2/NDF: 109.7/17

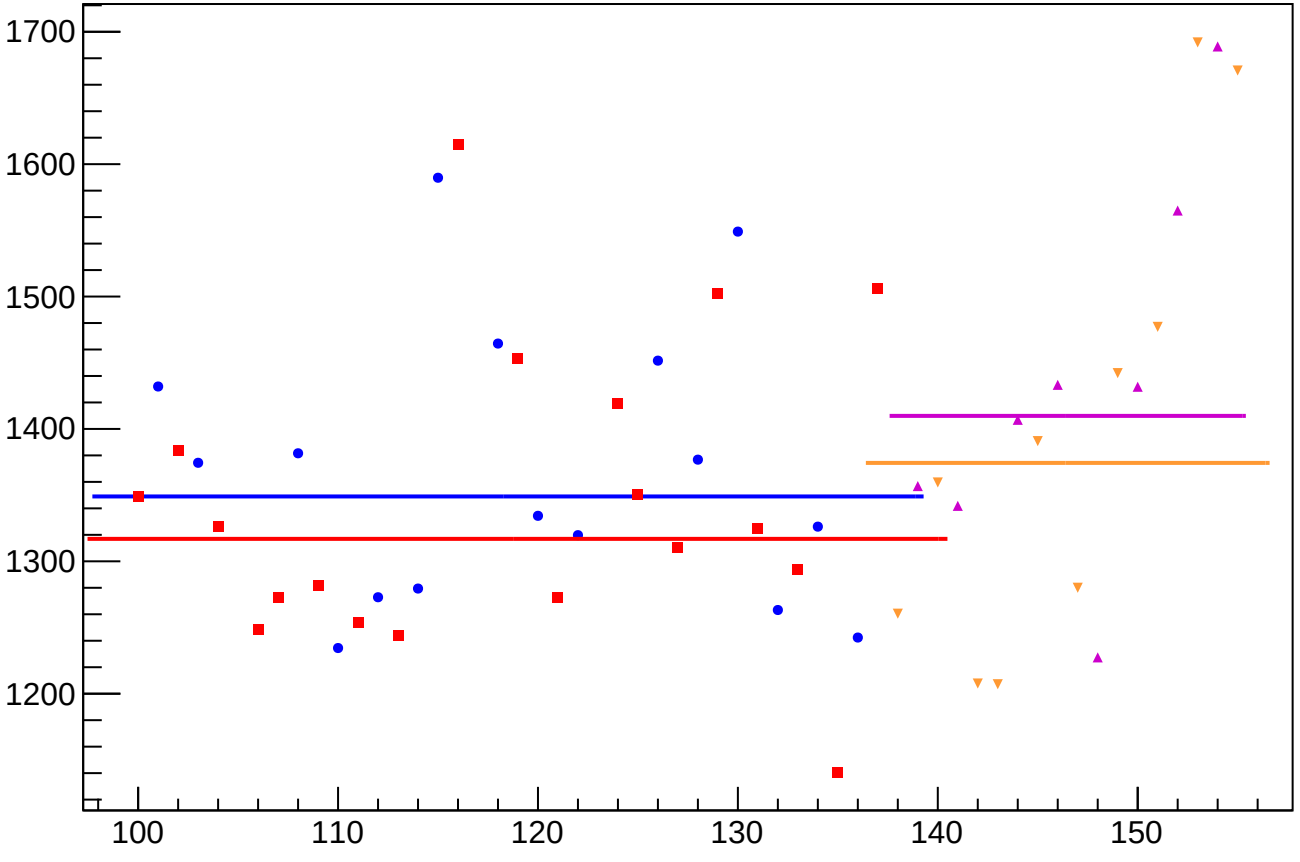
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 7.109+/-0.367 χ^2/NDF:1121.9/23

Out: 5.098+/-0.346 χ^2/NDF:588.4/28

All: 6.043+/-0.252 χ^2/NDF: 1726.2/52

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1374.342+/-0.349 χ^2/NDF:191964.8/9

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1409.860+/-0.378 χ^2/NDF:110047.4/7

Left: 1390.689+/-0.257 χ^2/NDF: 306766.2/17

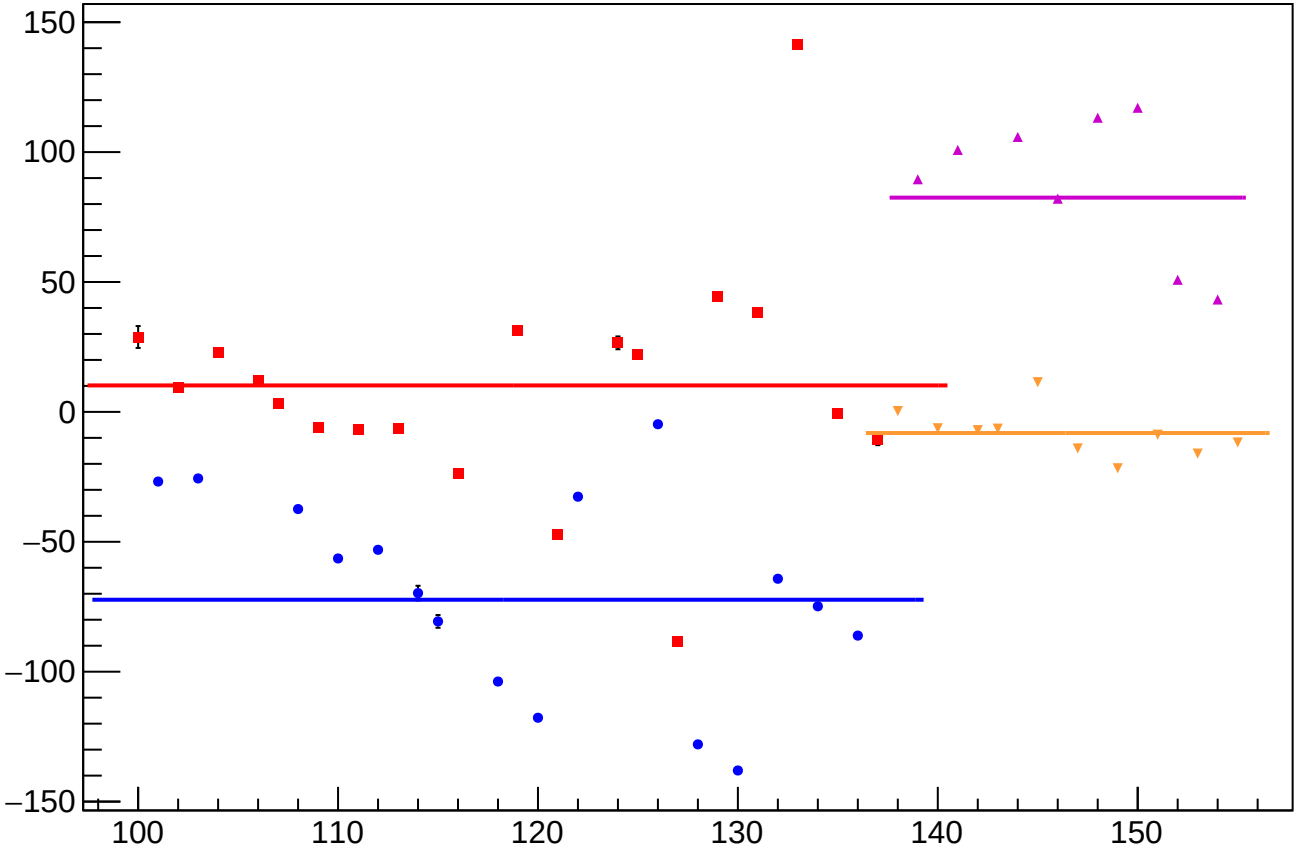
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1377.634+/-0.260 χ^2/NDF:192124.8/23

Out: 1345.003+/-0.244 χ^2/NDF:292623.0/28

All: 1360.329+/-0.178 χ^2/NDF: 493127.2/52

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -8.129+/-0.317 χ^2/NDF:691.9/9

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 82.473+/-0.345 χ^2/NDF:6100.5/7

Left: 33.386+/-0.234 χ^2/NDF: 44135.6/17

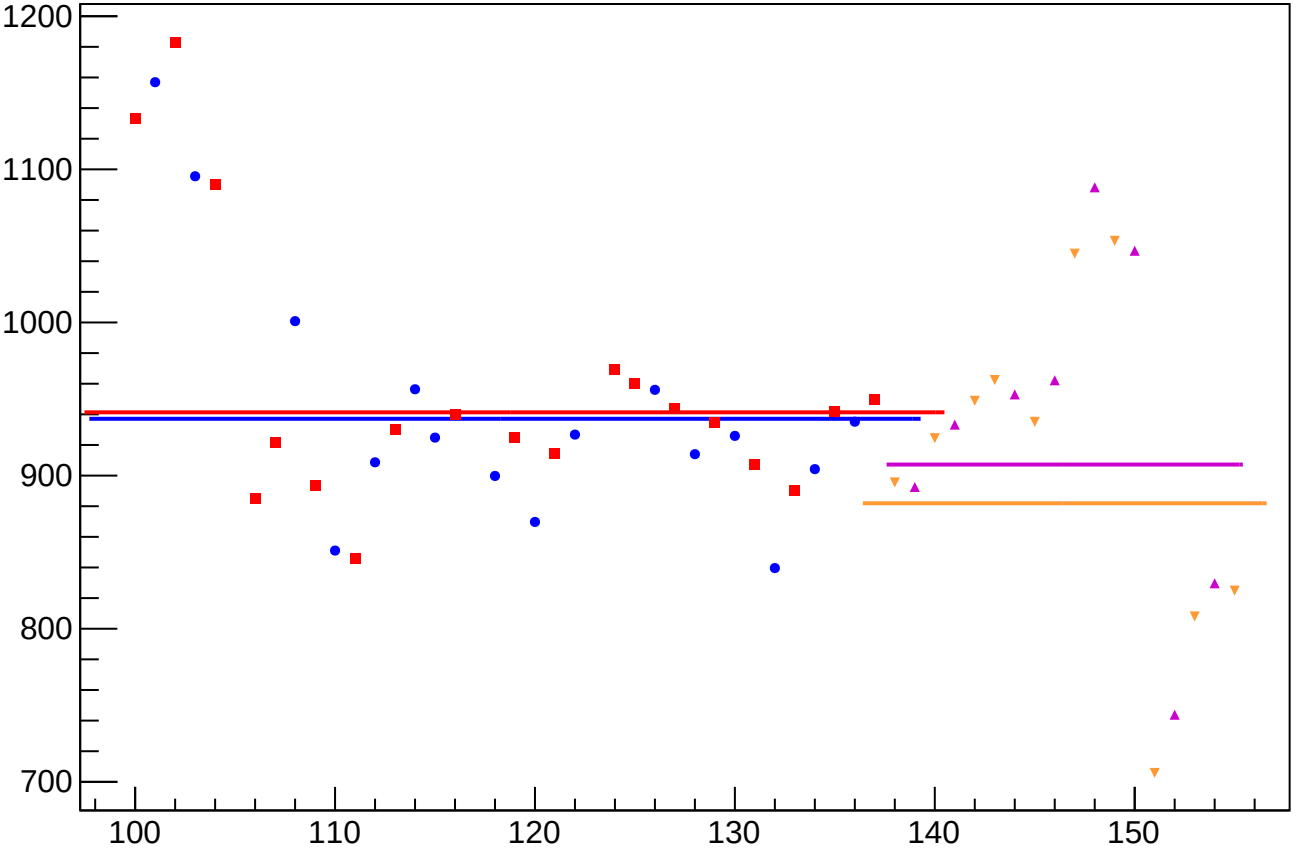
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 6.055+/-0.246 χ^2/NDF:117568.9/23

Out: 0.279+/-0.233 χ^2/NDF:21266.8/28

All: 3.021+/-0.169 χ^2/NDF: 139126.3/52

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 881.930+/-0.224 χ^2/NDF:236250.4/9

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 907.226+/-0.244 χ^2/NDF:188521.8/7

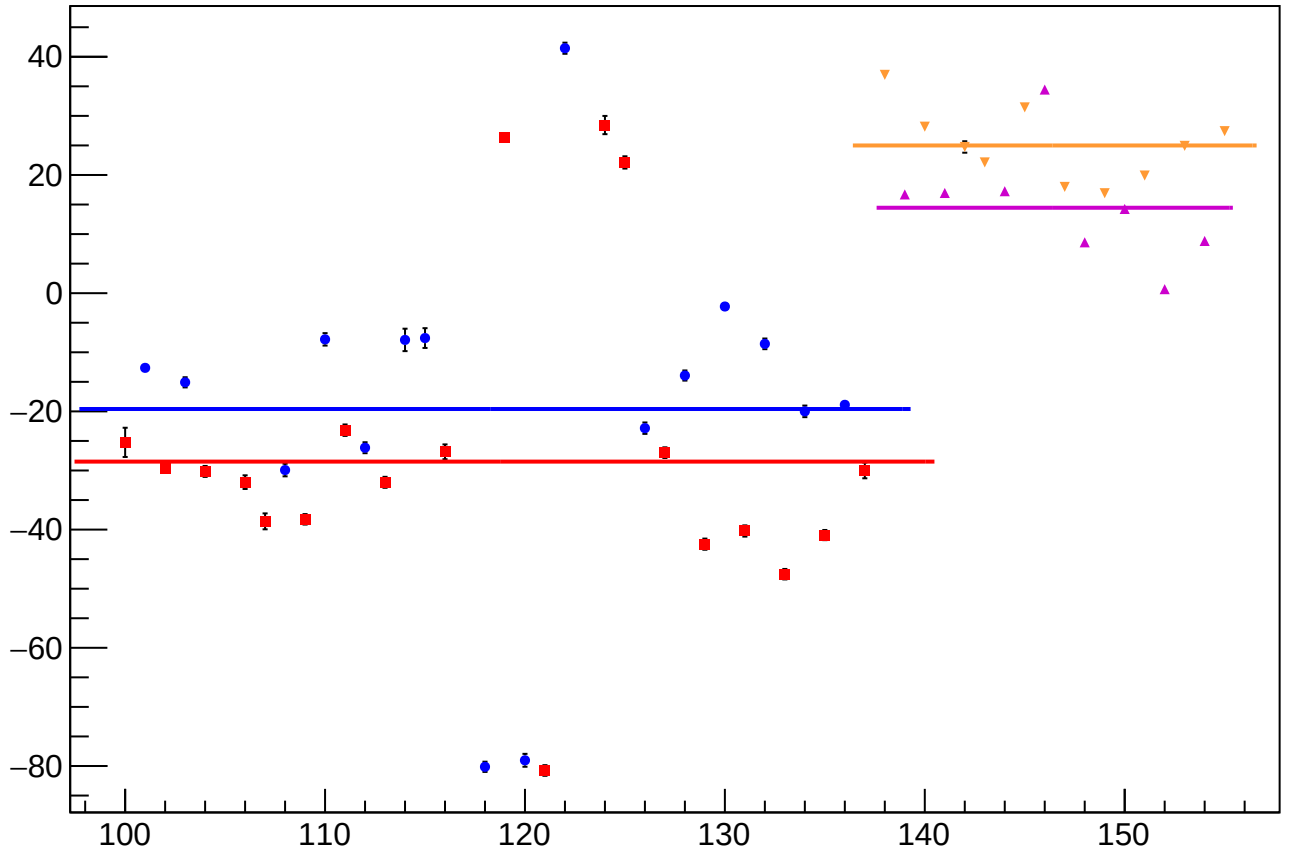
Left: 893.521+/-0.165 χ^2/NDF: 430594.3/17

Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 921.974+/-0.174 χ^2/NDF:300580.6/23

Out: 909.193+/-0.165 χ^2/NDF:369433.7/28

All: 915.260+/-0.120 χ^2/NDF: 672861.0/52



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.994+/-0.232 χ^2/NDF:671.6/9

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 14.456+/-0.251 χ^2/NDF:1384.1/7

Left: 20.139+/-0.171 χ^2/NDF: 3003.3/17

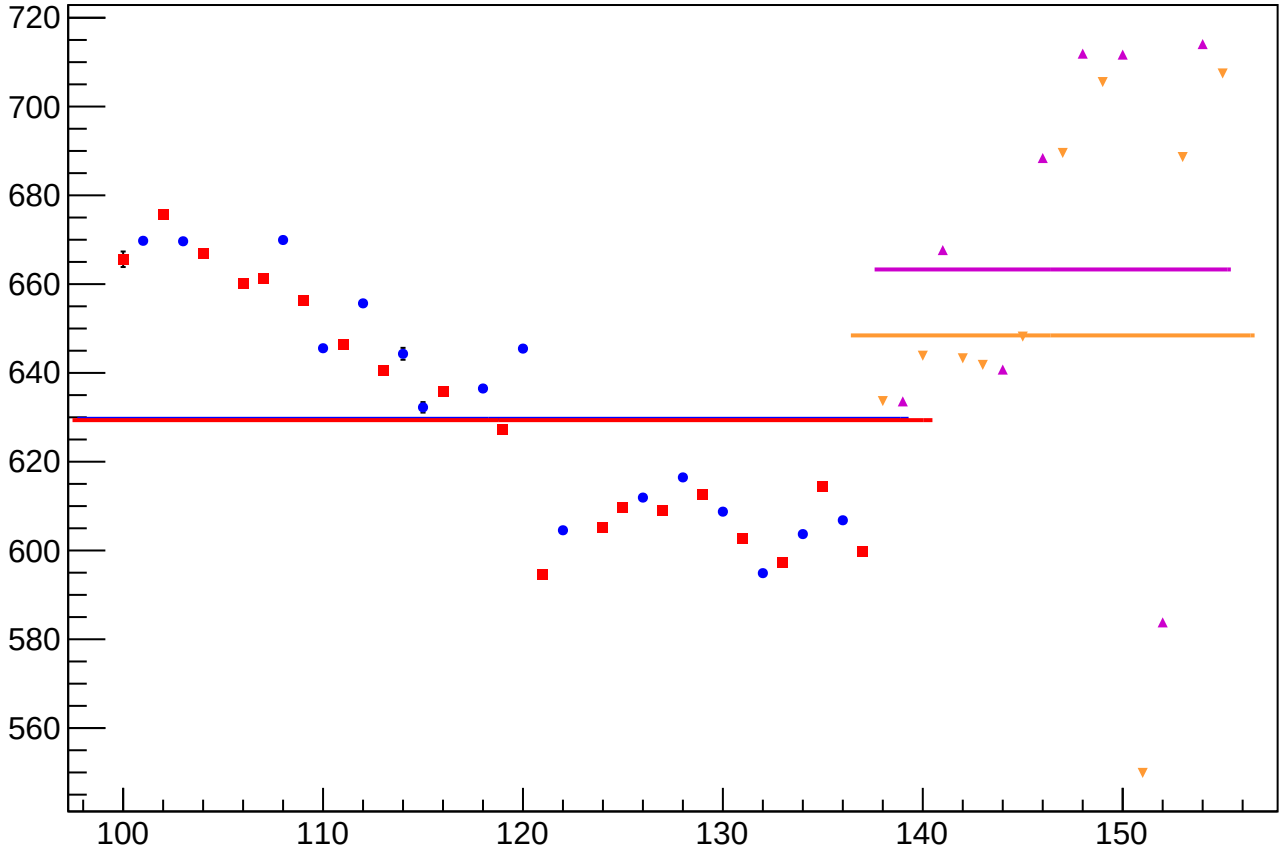
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -3.787+/-0.171 χ^2/NDF:24381.7/23

Out: -2.062+/-0.163 χ^2/NDF:40447.5/28

All: -2.883+/-0.118 χ^2/NDF: 64882.2/52

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 648.447+/-0.164 χ^2/NDF:89163.8/9

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 663.303+/-0.178 χ^2/NDF:64830.6/7

Left: 655.291+/-0.121 χ^2/NDF: 157760.2/17

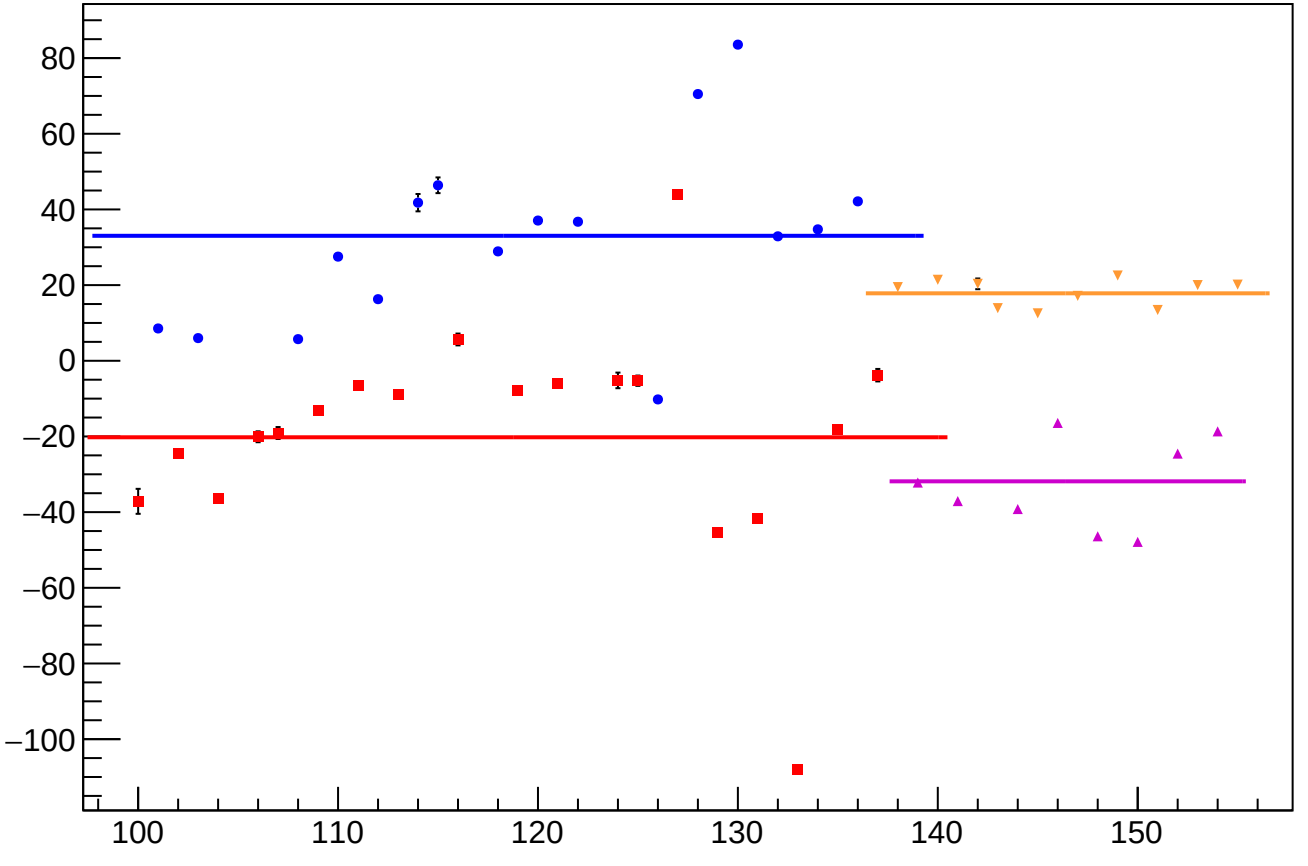
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 645.280+/-0.121 χ^2/NDF:109330.8/23

Out: 638.793+/-0.116 χ^2/NDF:122780.5/28

All: 641.882+/-0.084 χ^2/NDF: 233613.2/52

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.832+/-0.341 χ^2/NDF:103.7/9

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -31.860+/-0.365 χ^2/NDF:898.6/7

Left: -5.326+/-0.249 χ^2/NDF: 10895.9/17

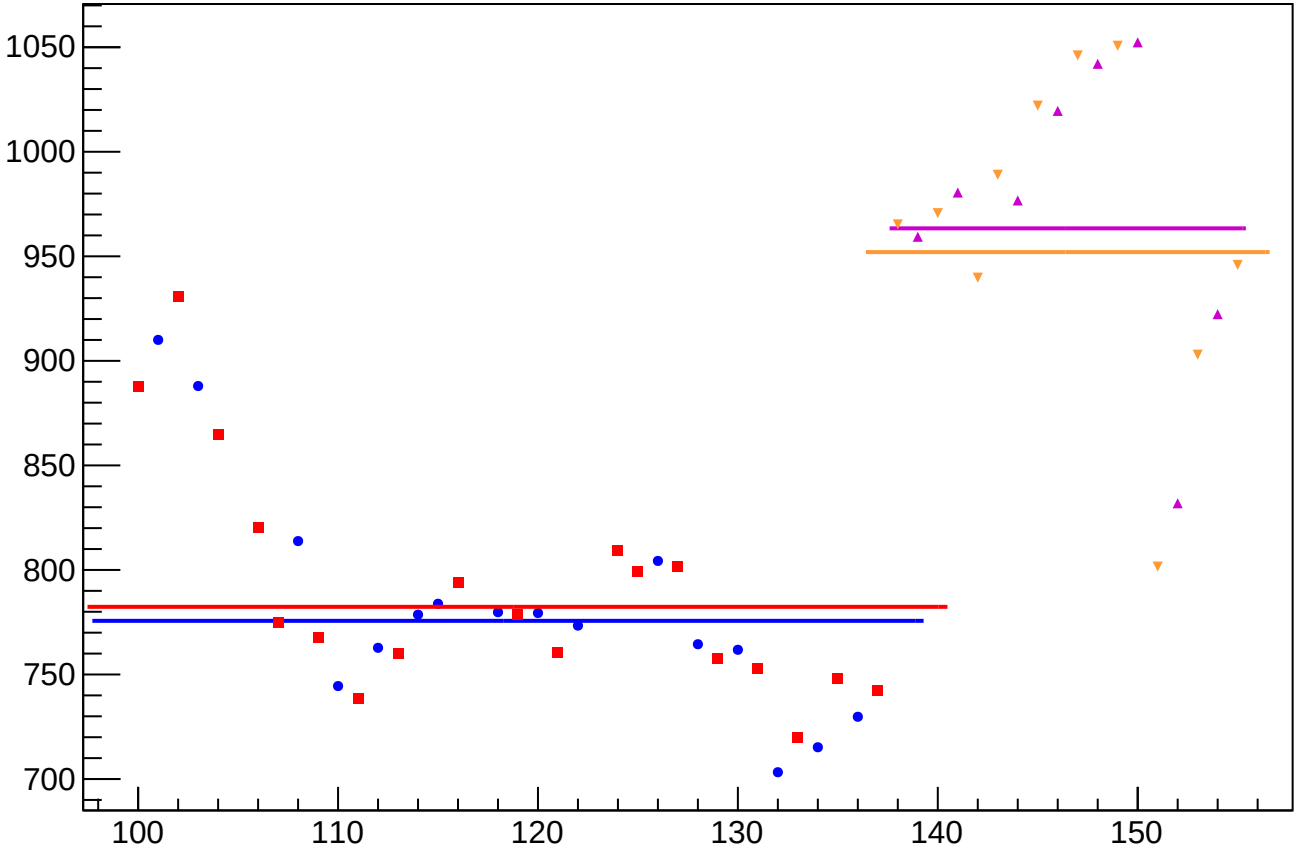
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 8.042+/-0.227 χ^2/NDF:27028.5/23

Out: -4.509+/-0.219 χ^2/NDF:19281.1/28

All: 1.558+/-0.158 χ^2/NDF: 47895.4/52

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 952.022+/-0.241 χ^2/NDF:103436.9/9

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 963.376+/-0.258 χ^2/NDF:75244.1/7

Left: 957.313+/-0.176 χ^2/NDF: 179714.1/17

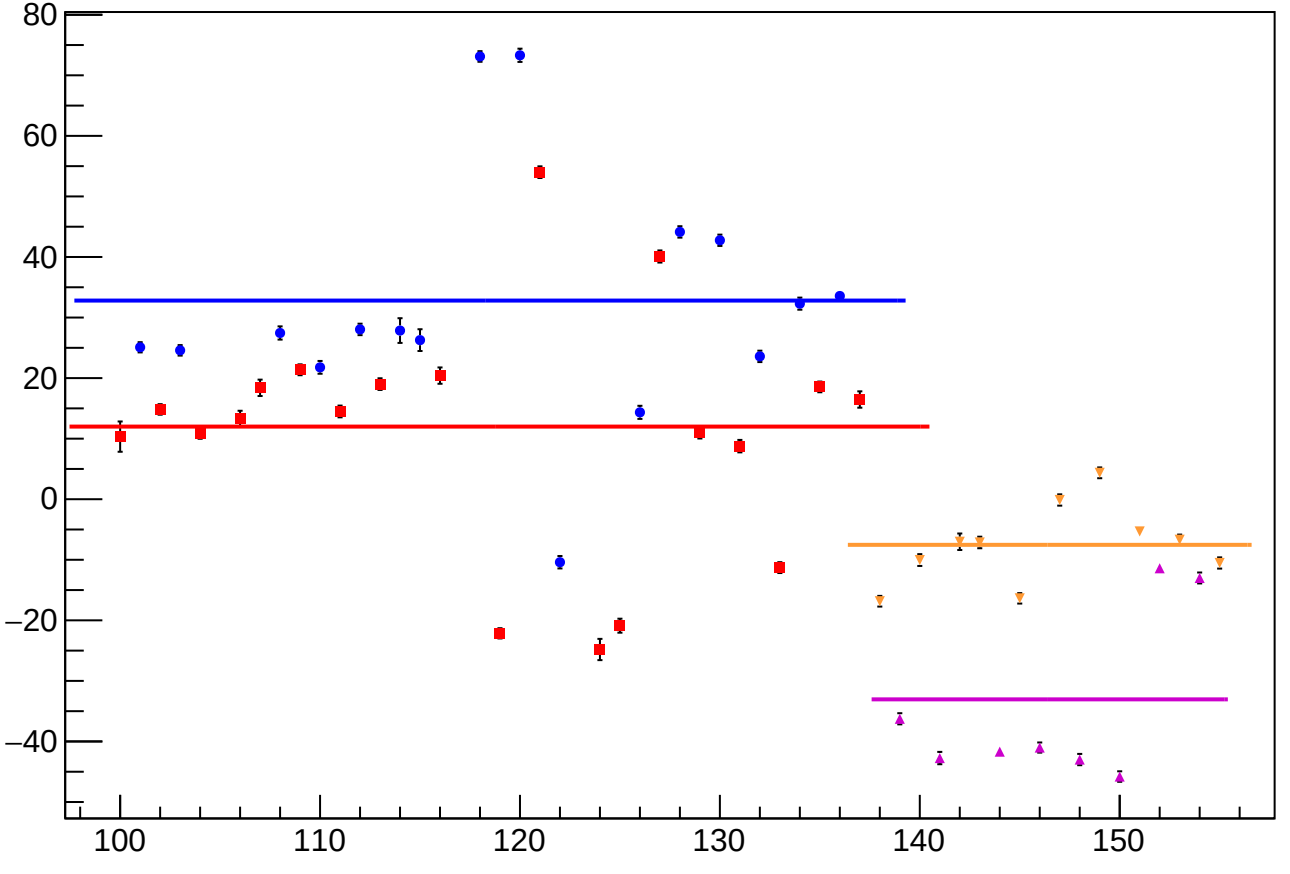
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 847.954+/-0.160 χ^2/NDF:475051.7/23

Out: 852.397+/-0.155 χ^2/NDF:458640.8/28

All: 850.249+/-0.111 χ^2/NDF: 934089.9/52

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.533+/-0.285 χ^2/NDF:485.1/9

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -33.049+/-0.305 χ^2/NDF:2028.2/7

Left: -19.395+/-0.208 χ^2/NDF: 6249.5/17

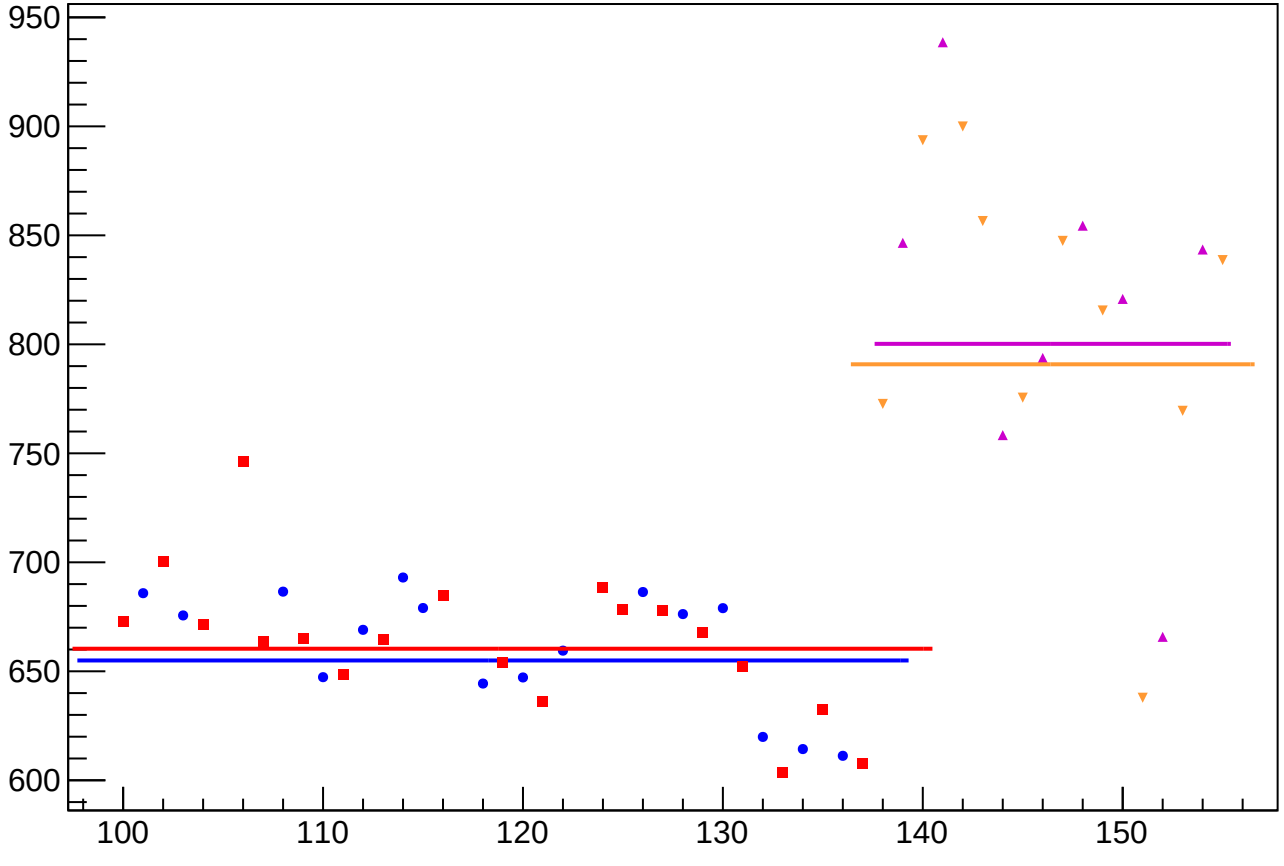
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 7.204+/-0.190 χ^2/NDF:36715.1/23

Out: 3.835+/-0.184 χ^2/NDF:9785.0/28

All: 5.462+/-0.132 χ^2/NDF: 46662.1/52

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 790.842+/-0.201 χ^2/NDF:158653.7/9

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 800.218+/-0.216 χ^2/NDF:129189.7/7

Left: 795.200+/-0.147 χ^2/NDF: 288852.4/17

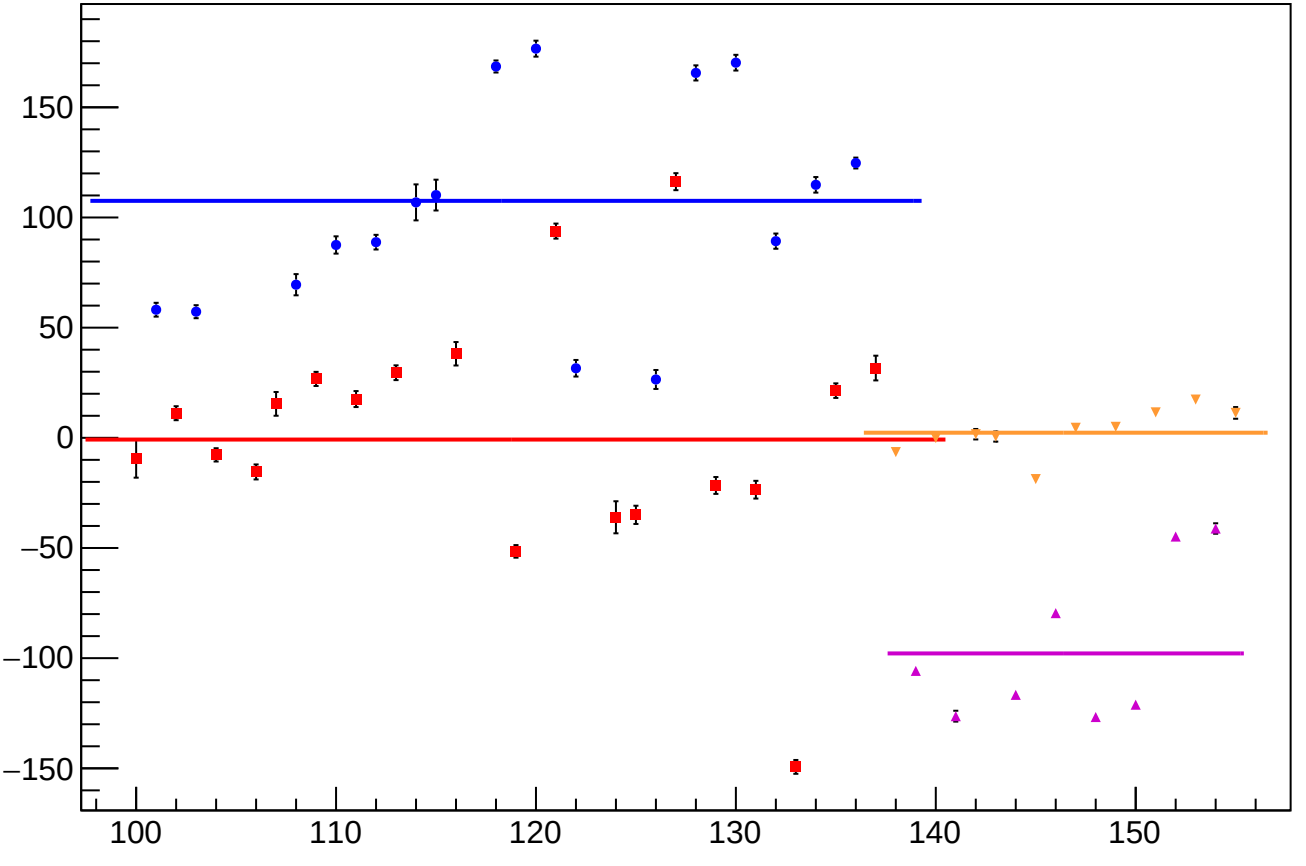
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 711.433+/-0.135 χ^2/NDF:432526.8/23

Out: 714.875+/-0.130 χ^2/NDF:433789.3/28

All: 713.213+/-0.094 χ^2/NDF: 866654.3/52

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 2.321+/-0.659 χ^2/NDF:212.4/9

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -97.854+/-0.679 χ^2/NDF:2059.4/7

Left: -46.250+/-0.473 χ^2/NDF: 13478.9/17

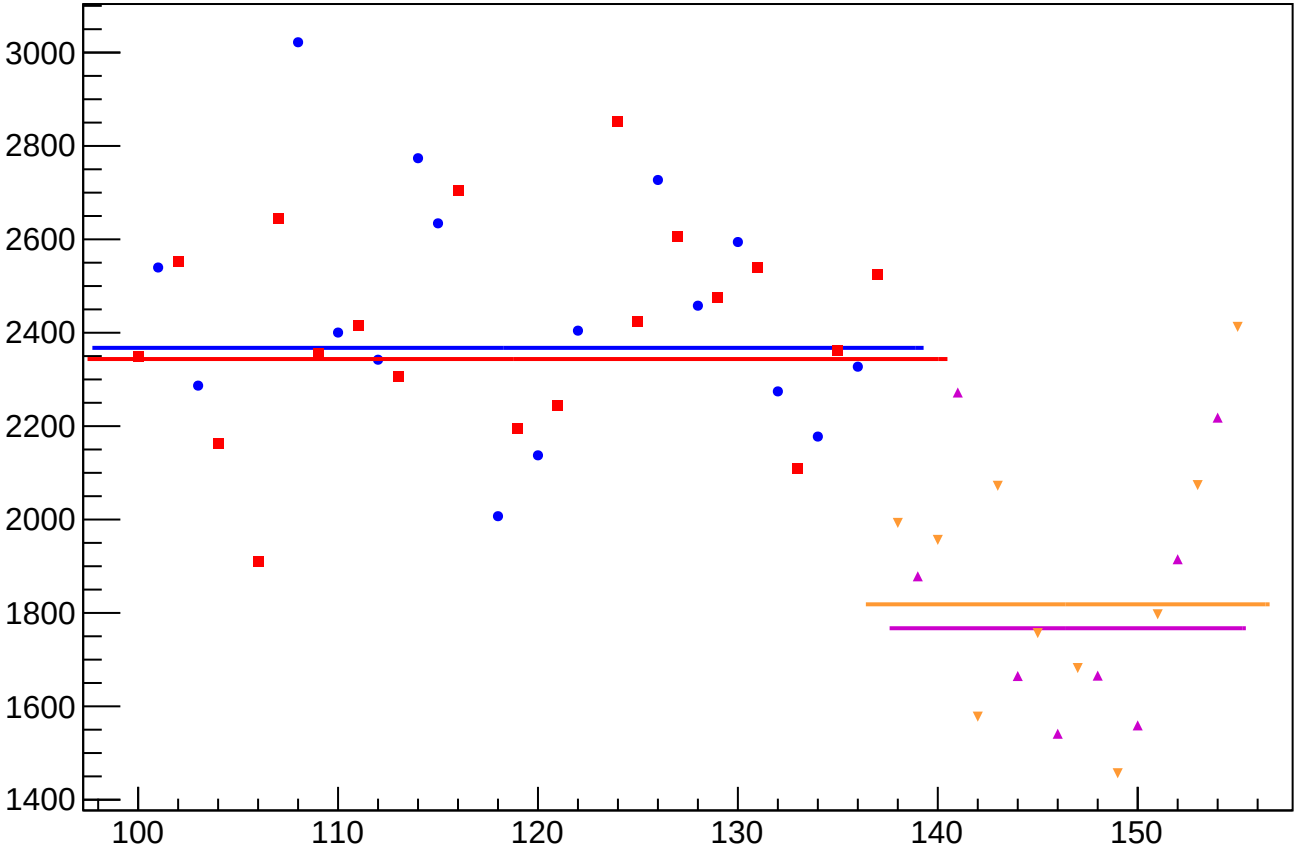
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -21.759+/-0.539 χ^2/NDF:38900.4/23

Out: 1.173+/-0.523 χ^2/NDF:4984.6/28

All: -9.955+/-0.375 χ^2/NDF: 44817.1/52

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1818.455+/-0.466 χ^2/NDF:305404.7/9

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1767.226+/-0.480 χ^2/NDF:255270.7/7

Left: 1793.616+/-0.334 χ^2/NDF: 566537.3/17

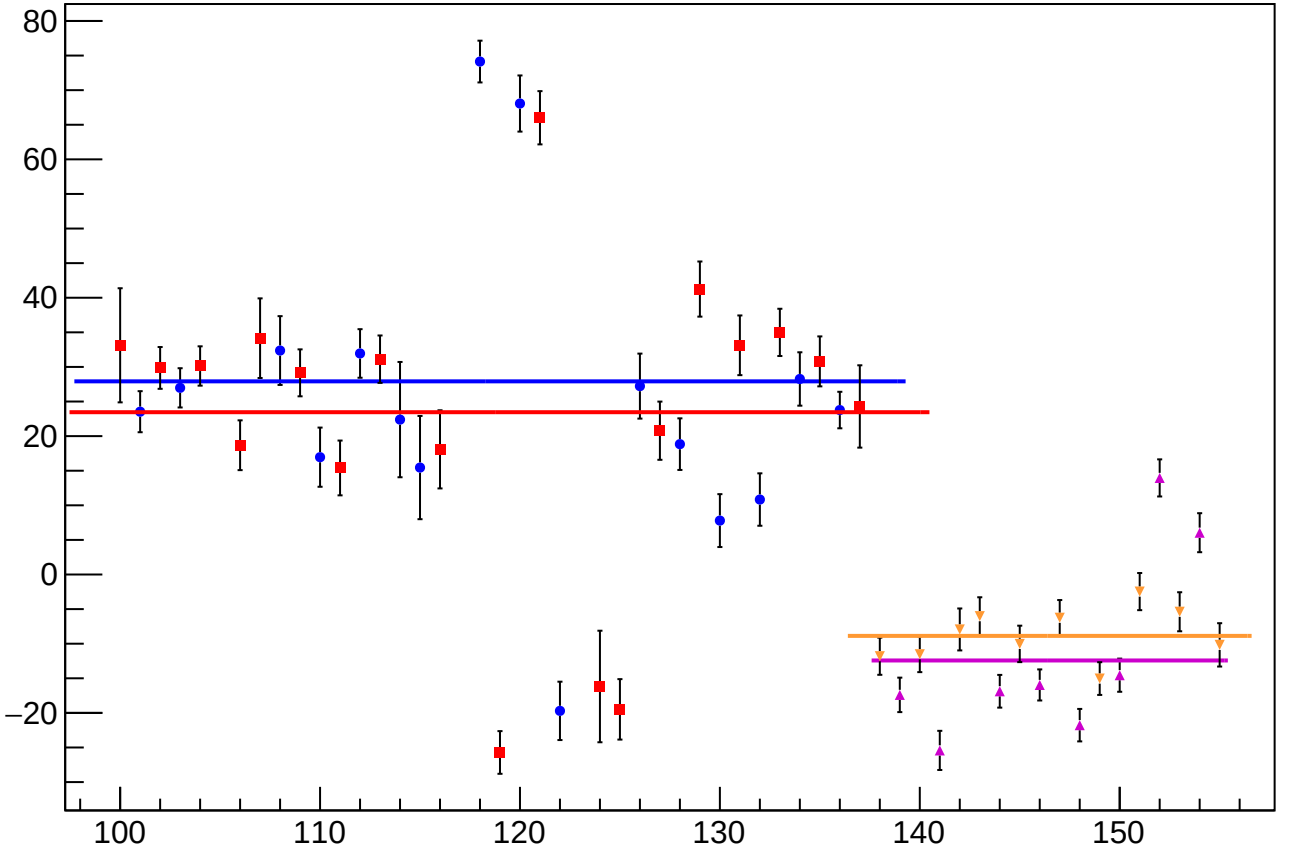
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 1989.659+/-0.381 χ^2/NDF:961090.8/23

Out: 2012.507+/-0.370 χ^2/NDF:887201.7/28

All: 2001.419+/-0.265 χ^2/NDF: 1850143.3/52

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.870+/-0.853 χ^2/NDF:18.9/9

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -12.424+/-0.883 χ^2/NDF:187.4/7

Left: -10.587+/-0.613 χ^2/NDF: 214.7/17

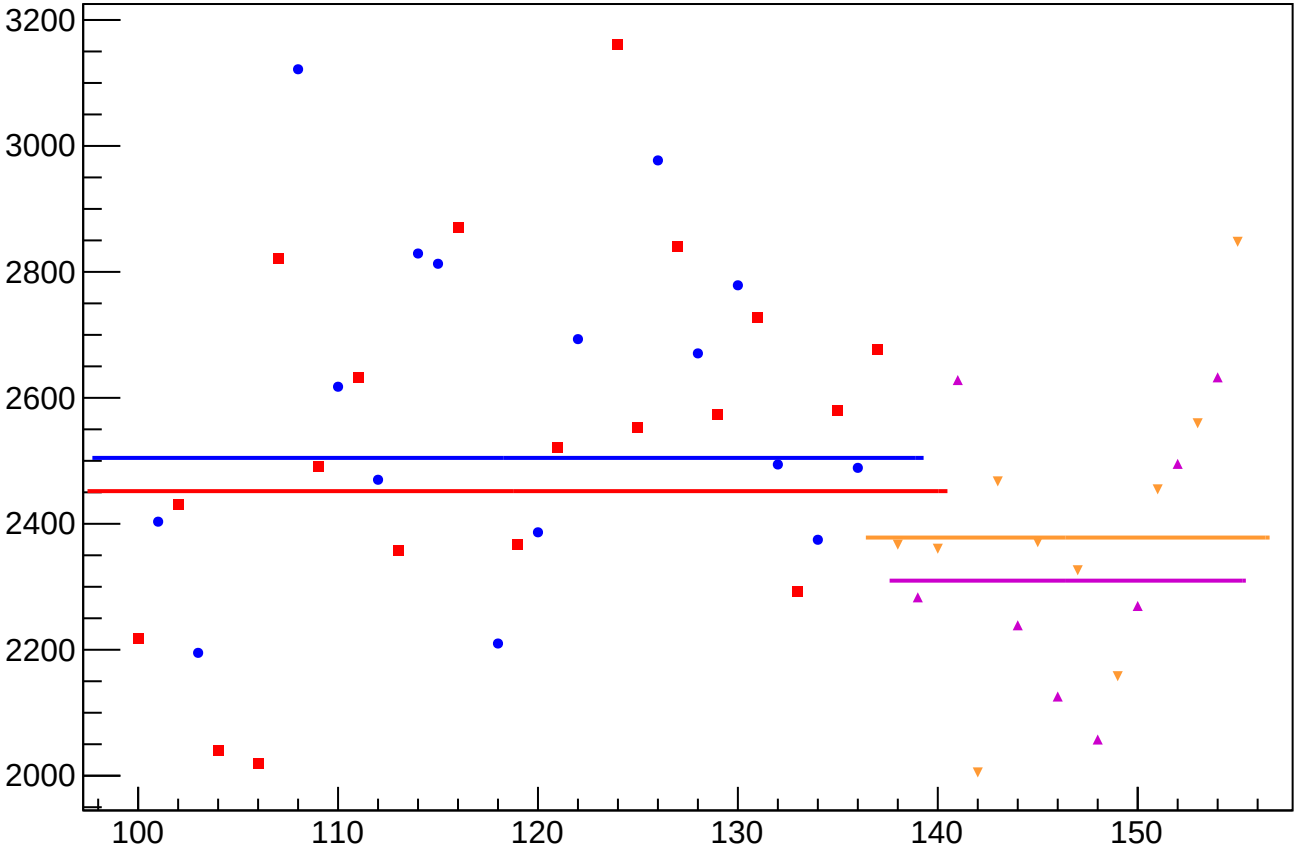
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 6.546+/-0.642 χ^2/NDF:1700.5/23

Out: 6.387+/-0.620 χ^2/NDF:1264.1/28

All: 6.464+/-0.446 χ^2/NDF: 2964.6/52

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2378.168+/-0.603 χ^2/NDF:105592.9/9

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2309.746+/-0.624 χ^2/NDF:100268.3/7

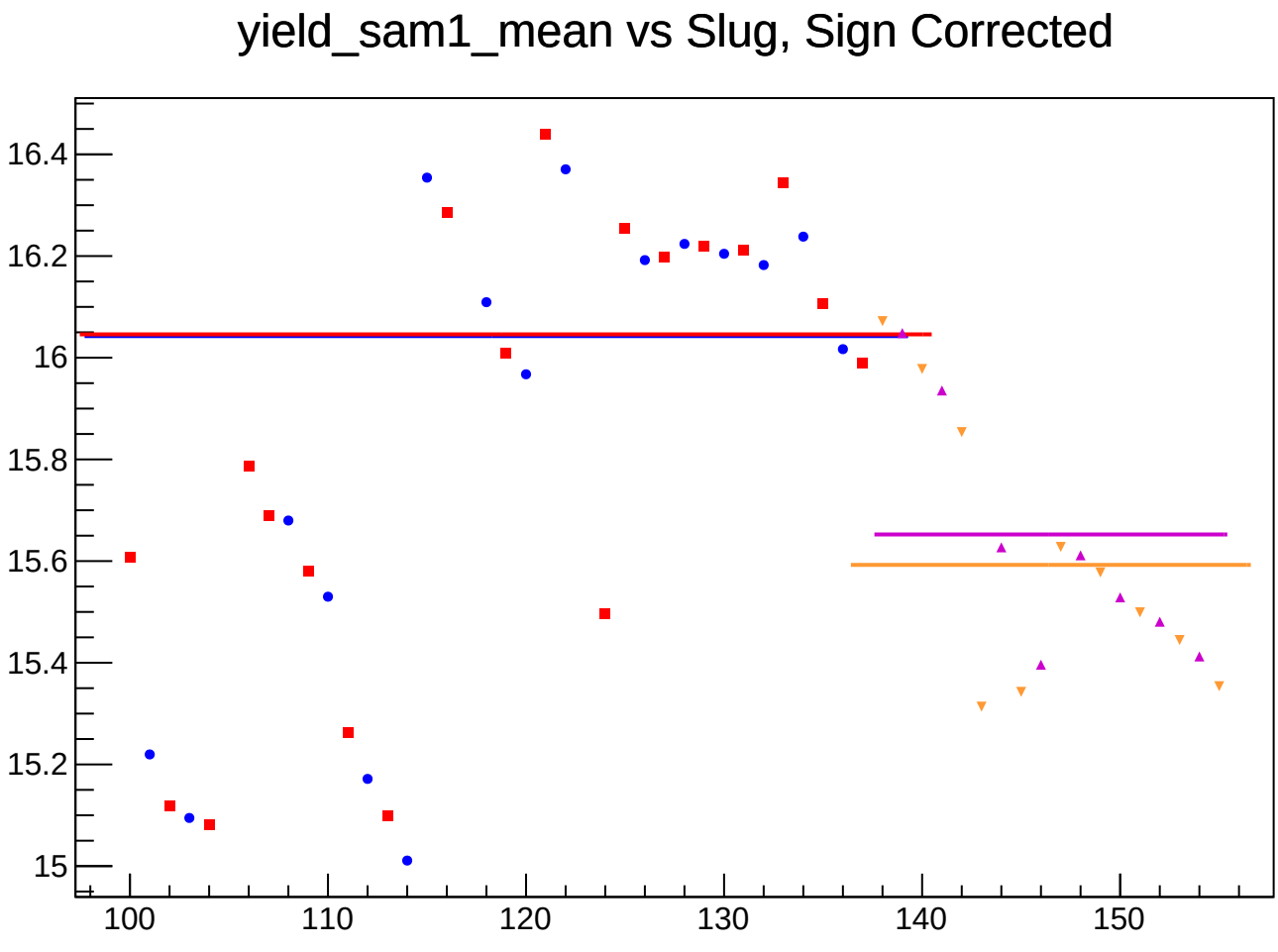
Left: 2345.108+/-0.434 χ^2/NDF: 212073.3/17

Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2401.402+/-0.454 χ^2/NDF:272734.3/23

Out: 2412.958+/-0.438 χ^2/NDF:265872.8/28

All: 2407.384+/-0.315 χ^2/NDF: 538942.2/52



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.593+/-0.000 χ^2/NDF:5096405953.8/9

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.652+/-0.000 χ^2/NDF:2792870054.9/7

Left: 15.619+/-0.000 χ^2/NDF: 7992615910.1/17

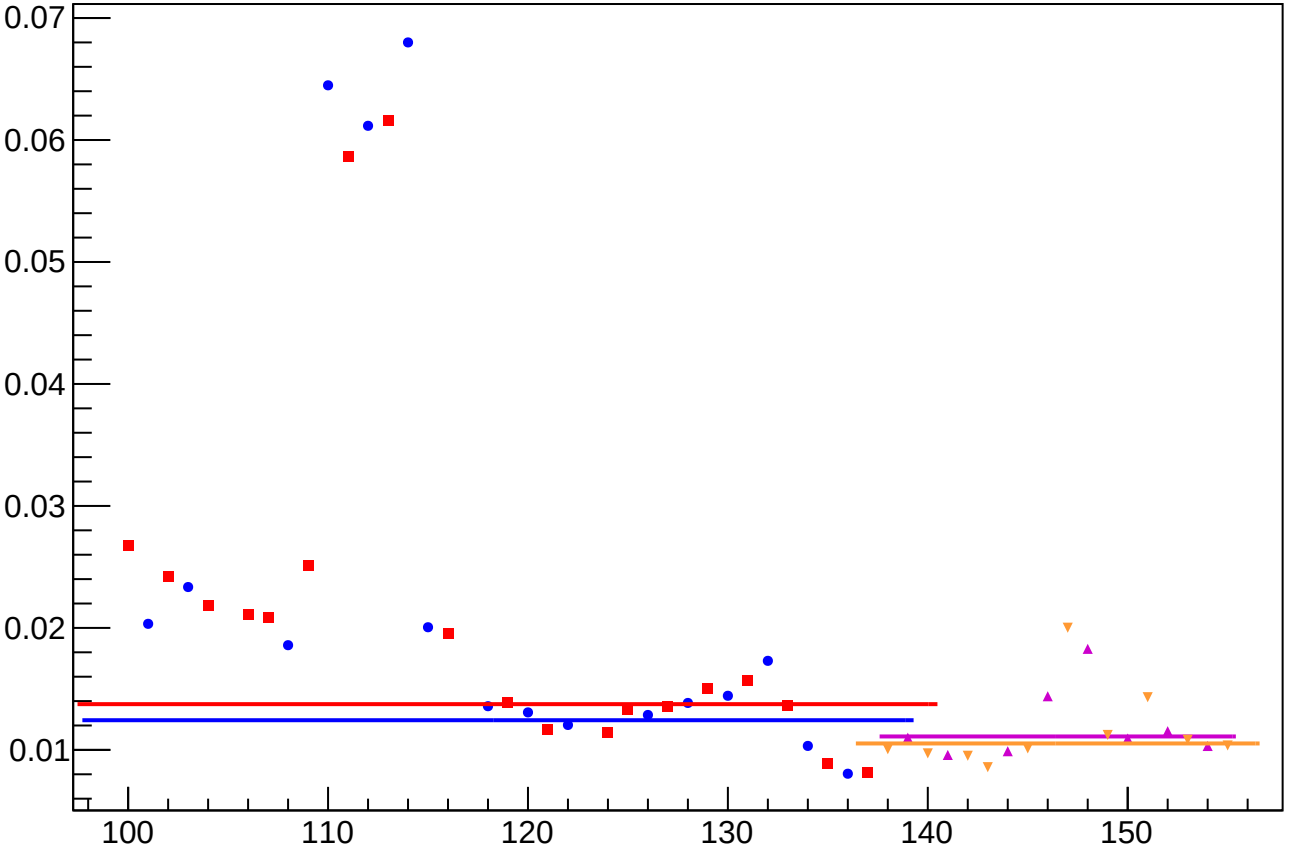
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.811+/-0.000 χ^2/NDF:8855972306.0/23

Out: 15.737+/-0.000 χ^2/NDF:12866466589.3/28

All: 15.772+/-0.000 χ^2/NDF: 21971028311.4

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:580727.5/9

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:408078.2/7

Left: 0.011+/-0.000 χ^2/NDF: 1007825.9/17

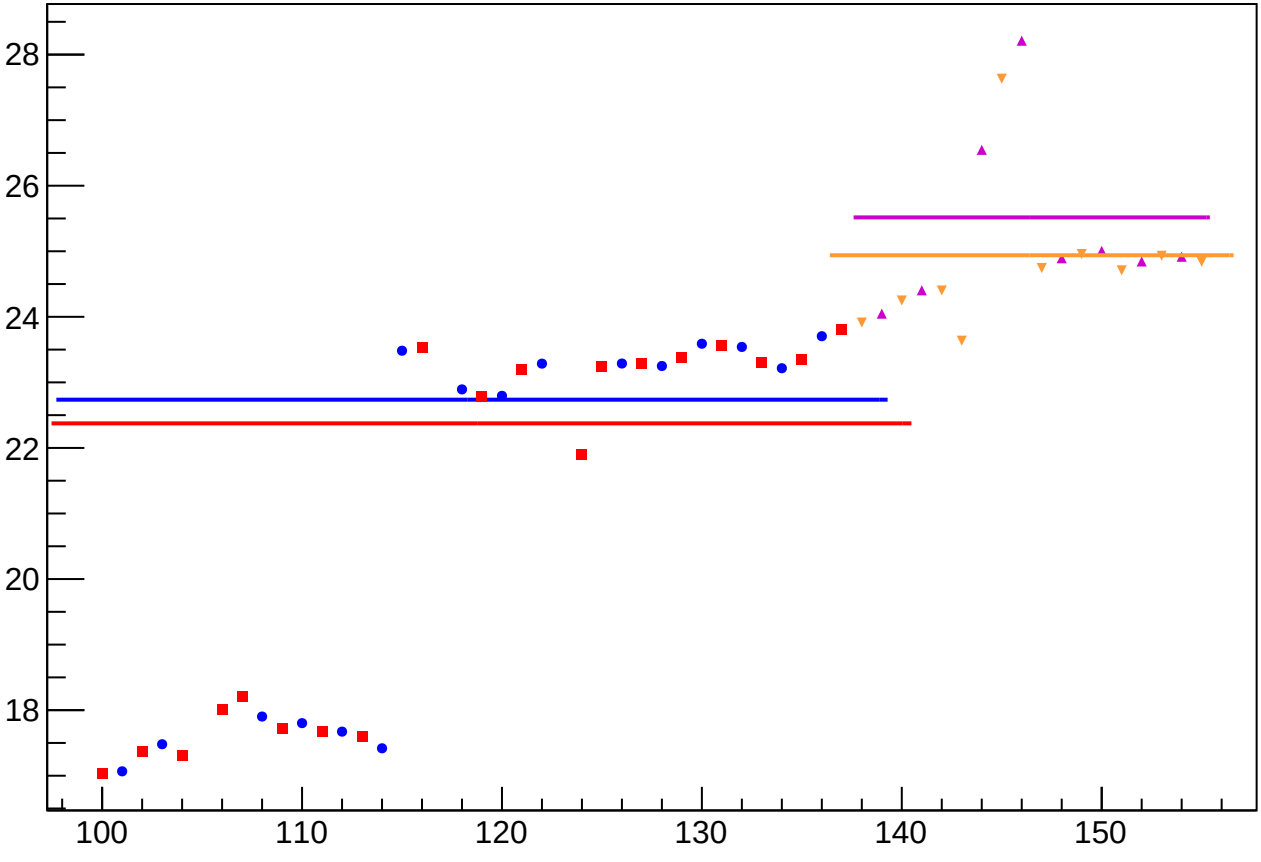
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2799931.7/23

Out: 0.012+/-0.000 χ^2/NDF:3237599.1/28

All: 0.012+/-0.000 χ^2/NDF: 6038248.5/52

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.939+/-0.000 χ^2/NDF:763223849.5/9

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.517+/-0.000 χ^2/NDF:659255117.5/7

Left: 25.201+/-0.000 χ^2/NDF: 1499433398.5/17

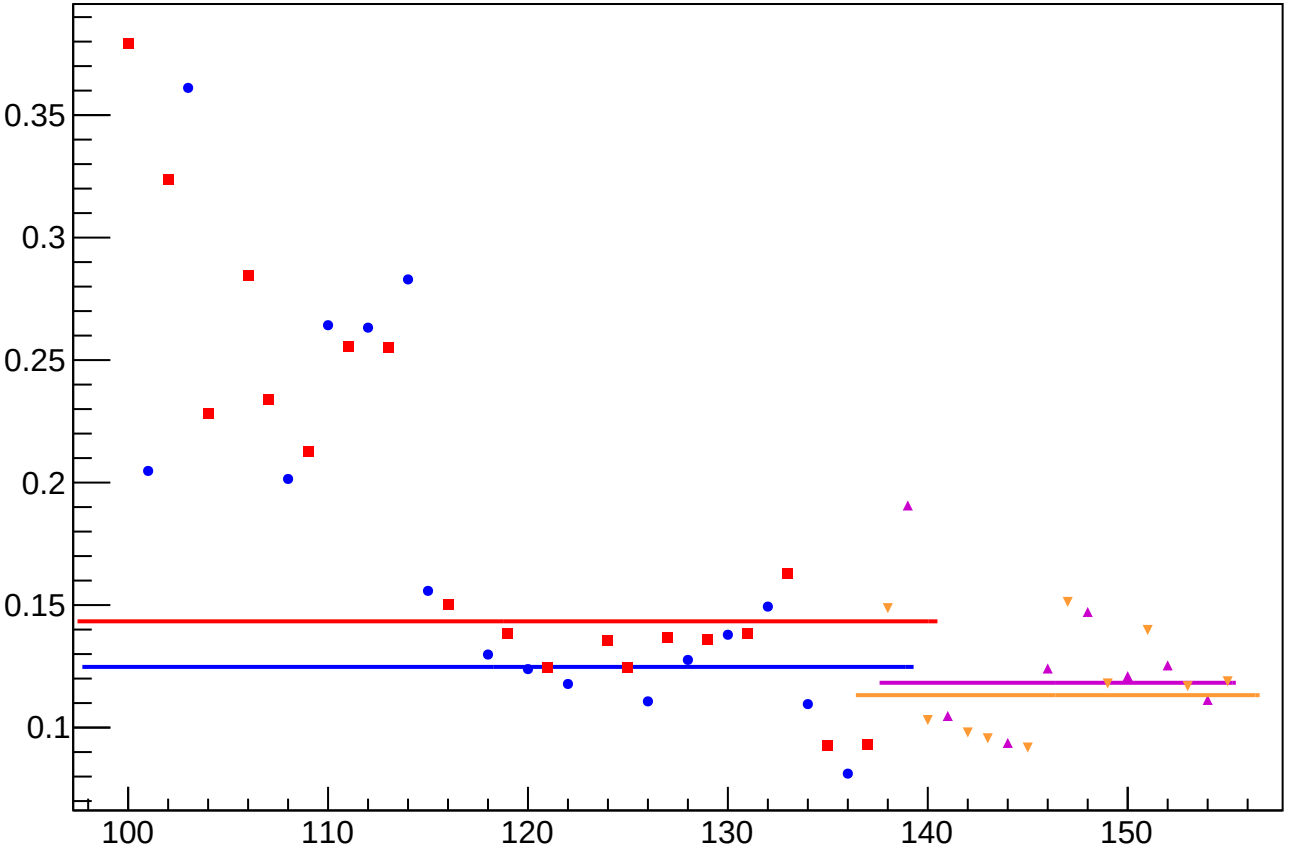
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.269+/-0.000 χ^2/NDF:3344785373.0/23

Out: 24.030+/-0.000 χ^2/NDF:3165278522.0/28

All: 24.148+/-0.000 χ^2/NDF: 6532373582.2/5

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.113+/-0.000 χ^2/NDF:382567.9/9

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.118+/-0.000 χ^2/NDF:441600.3/7

Left: 0.116+/-0.000 χ^2/NDF: 835942.6/17

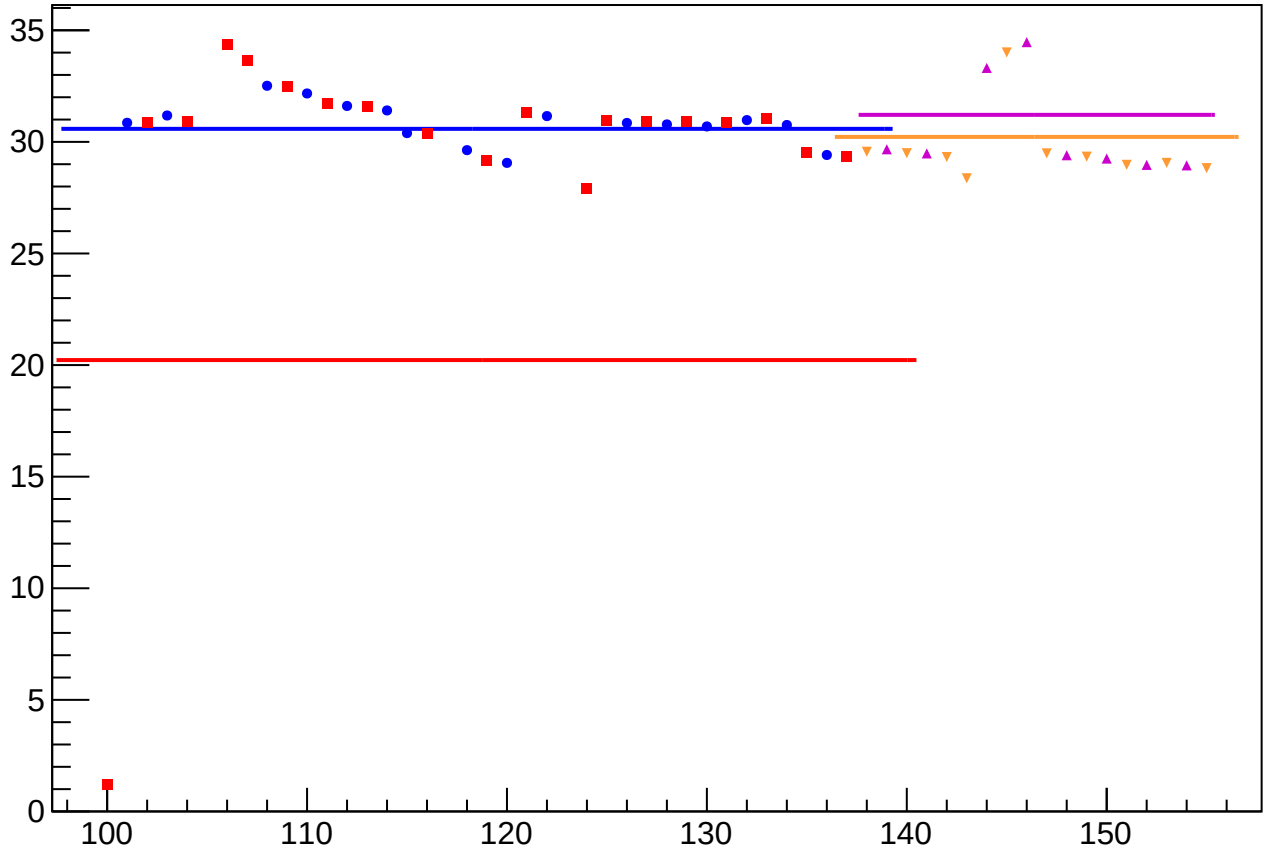
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.121+/-0.000 χ^2/NDF:2207321.0/23

Out: 0.124+/-0.000 χ^2/NDF:2280315.2/28

All: 0.123+/-0.000 χ^2/NDF: 4493425.3/52

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.223+/-0.000 χ^2/NDF:5323534026.5/9

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 31.211+/-0.000 χ^2/NDF:6563069343.6/7

Left: 30.713+/-0.000 χ^2/NDF: 12485309633.1/17

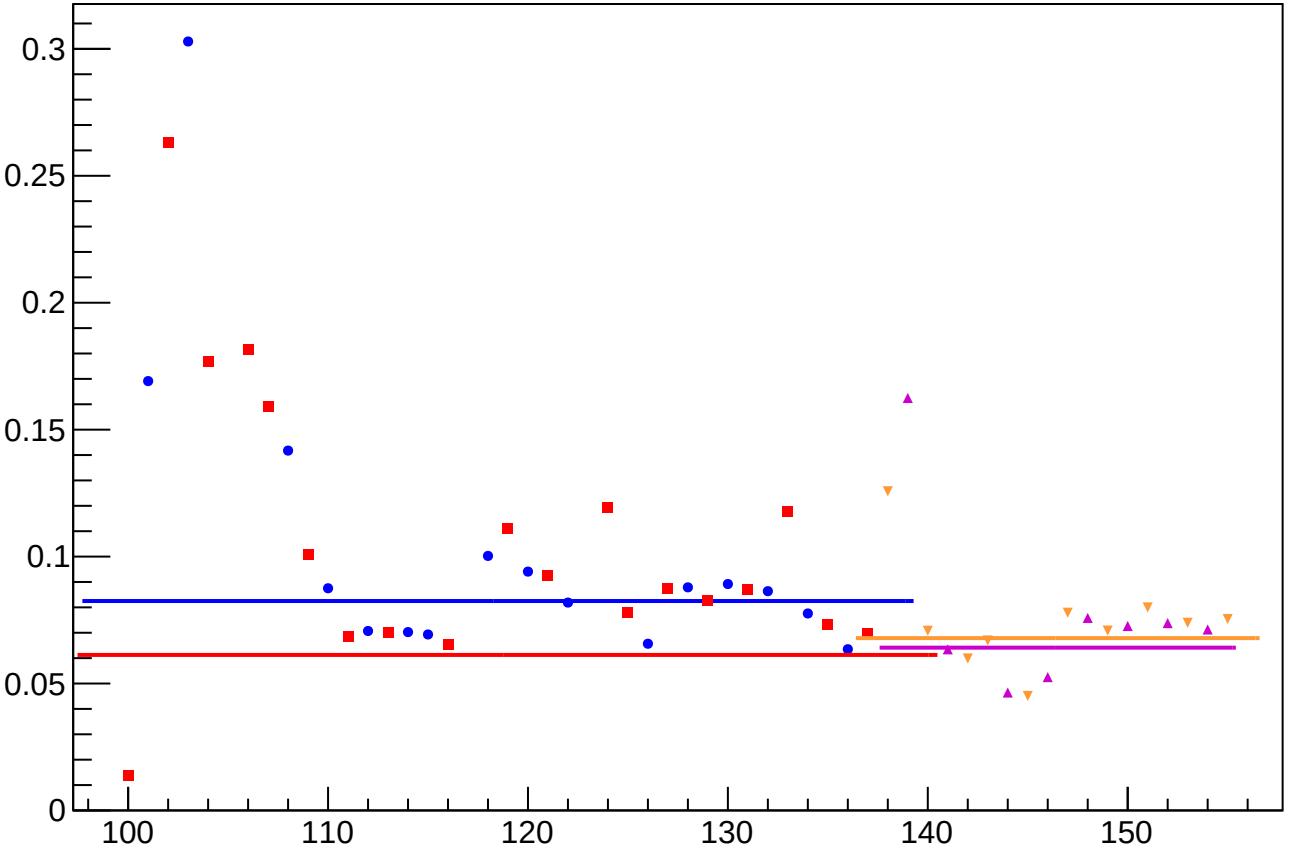
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.968+/-0.000 χ^2/NDF:7401140034.2/23

Out: 25.542+/-0.000 χ^2/NDF:284452256081.8/28

All: 28.044+/-0.000 χ^2/NDF: 323406637761.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.068+/-0.000 χ^2/NDF:657256.9/9

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.064+/-0.000 χ^2/NDF:937827.6/7

Left: 0.066+/-0.000 χ^2/NDF: 1612406.4/17

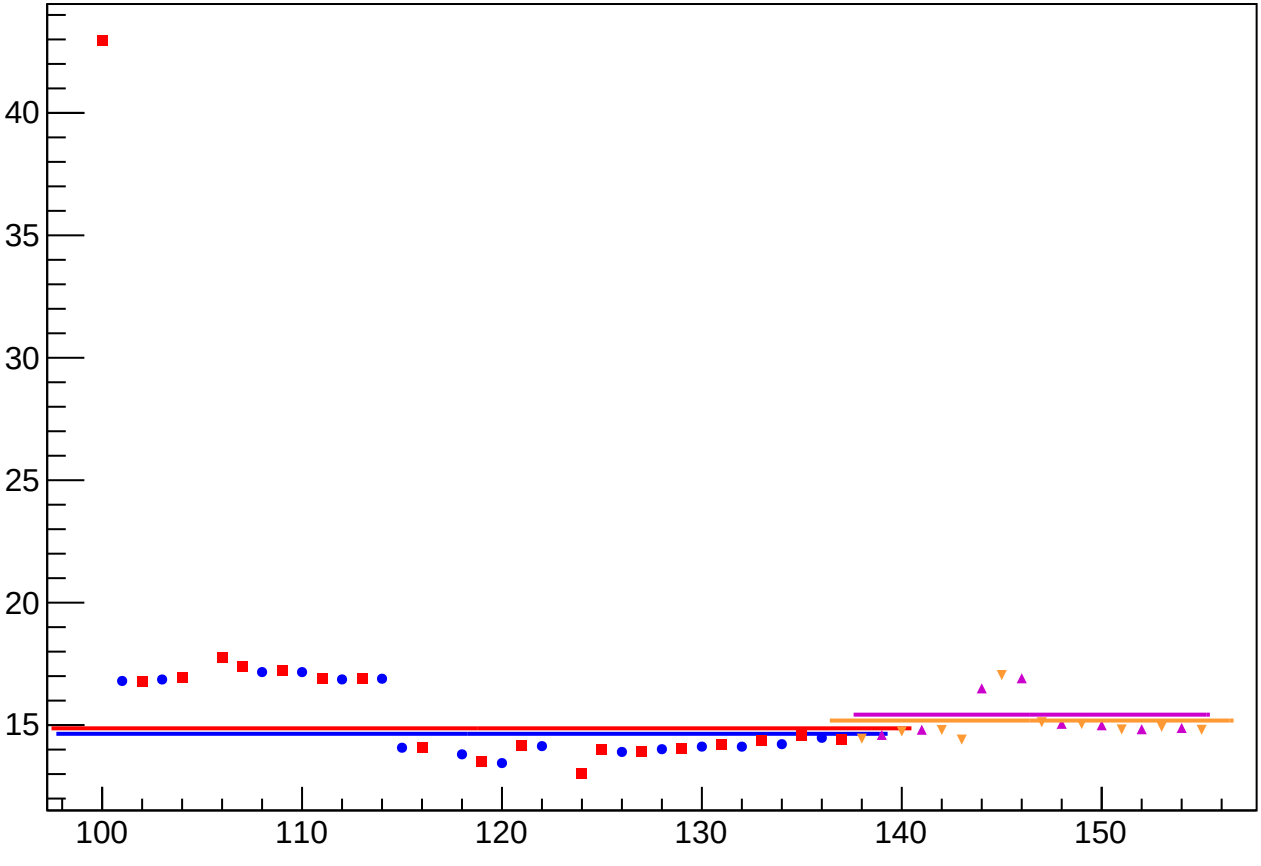
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.071+/-0.000 χ^2/NDF:2518414.6/23

Out: 0.065+/-0.000 χ^2/NDF:4722362.6/28

All: 0.068+/-0.000 χ^2/NDF: 7330994.1/52

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.186+/-0.000 χ^2/NDF:982709138.3/9

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.426+/-0.000 χ^2/NDF:808405878.7/7

Left: 15.298+/-0.000 χ^2/NDF: 1826981514.6/17

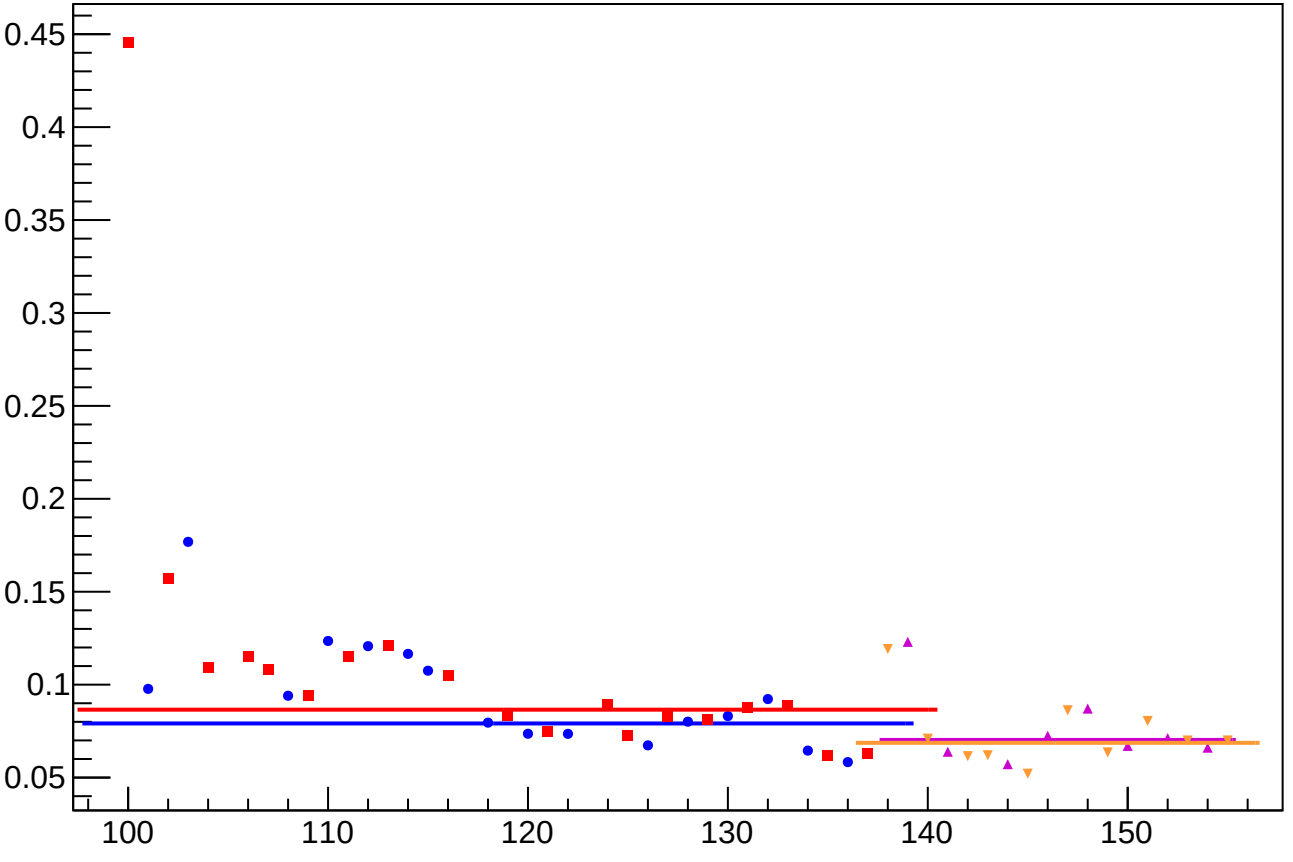
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.078+/-0.000 χ^2/NDF:2320201326.2/23

Out: 15.065+/-0.000 χ^2/NDF:2764069017.5/28

All: 15.071+/-0.000 χ^2/NDF: 5084441116.5/5

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:509737.3/9

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.070+/-0.000 χ^2/NDF:453592.9/7

Left: 0.069+/-0.000 χ^2/NDF: 966345.8/17

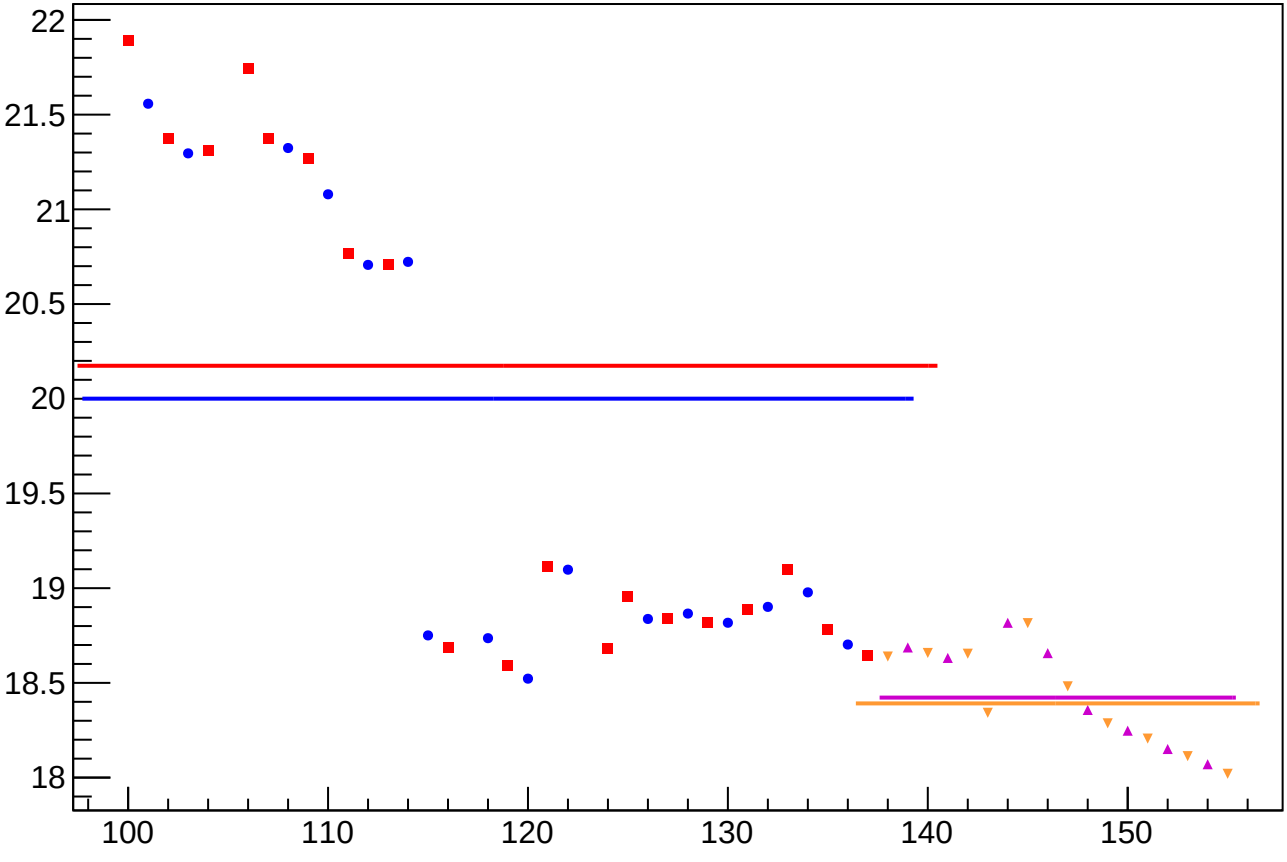
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.074+/-0.000 χ^2/NDF:1453601.7/23

Out: 0.075+/-0.000 χ^2/NDF:1626540.9/28

All: 0.075+/-0.000 χ^2/NDF: 3083680.5/52

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.392+/-0.000 χ^2/NDF:519630554.4/9

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.422+/-0.000 χ^2/NDF:483901591.6/7

Left: 18.406+/-0.000 χ^2/NDF: 1006640480.1/17

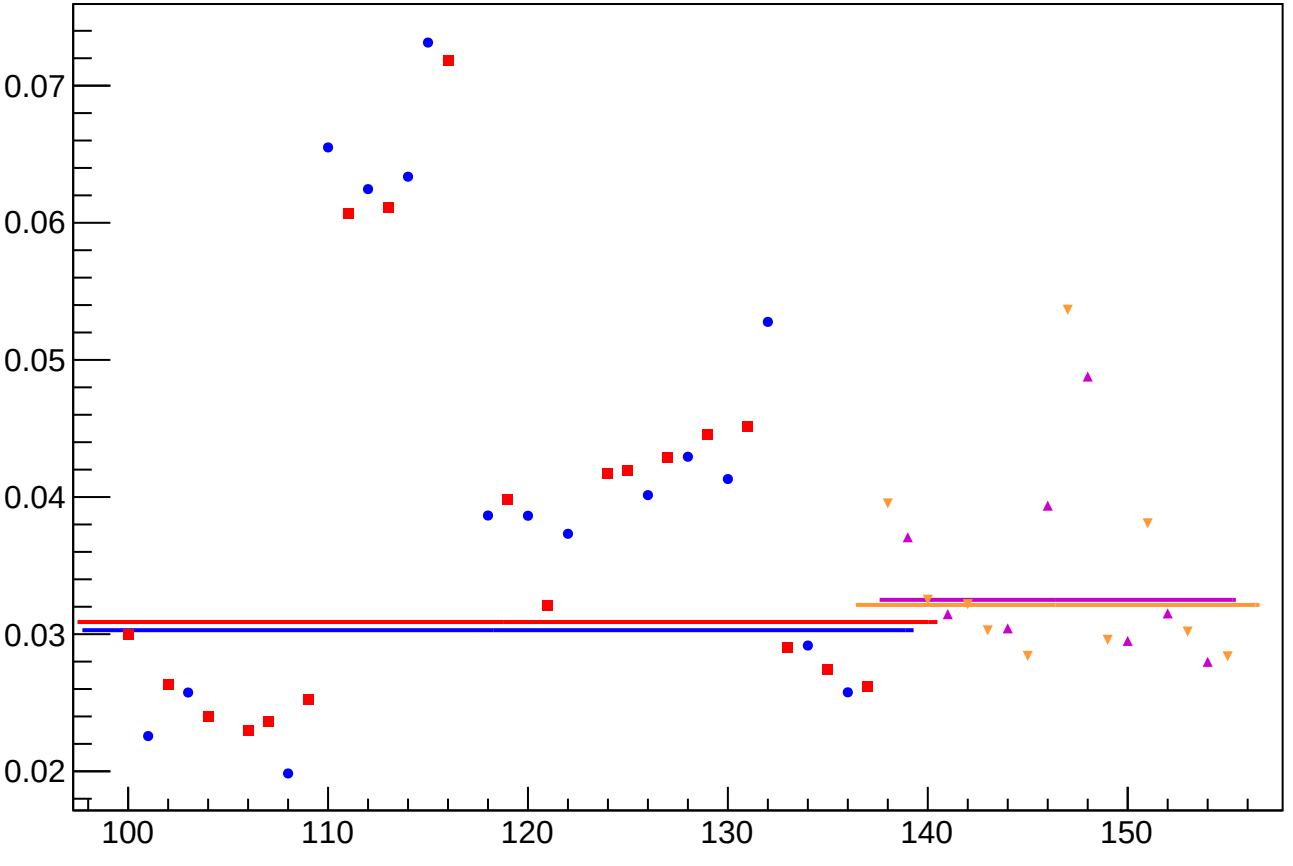
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.231+/-0.000 χ^2/NDF:19259998941.1/23

Out: 19.248+/-0.000 χ^2/NDF:21710740593.6/28

All: 19.239+/-0.000 χ^2/NDF: 40972695675.3

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:426627.2/9

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.033+/-0.000 χ^2/NDF:325161.0/7

Left: 0.032+/-0.000 χ^2/NDF: 752696.7/17

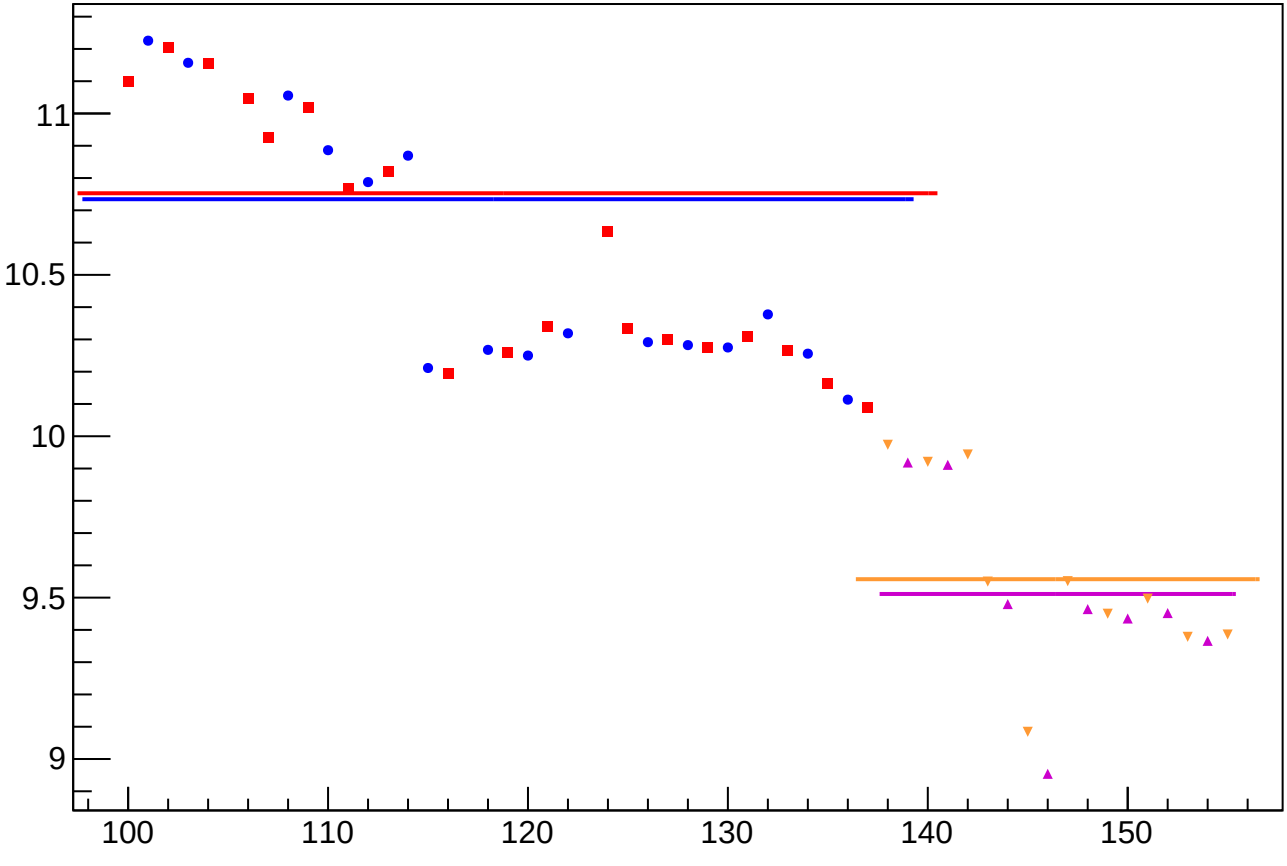
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1803571.8/23

Out: 0.032+/-0.000 χ^2/NDF:1641854.4/28

All: 0.031+/-0.000 χ^2/NDF: 3445778.7/52

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.557+/-0.000 χ^2/NDF:1328477791.5/9

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.511+/-0.000 χ^2/NDF:1032118220.1/7

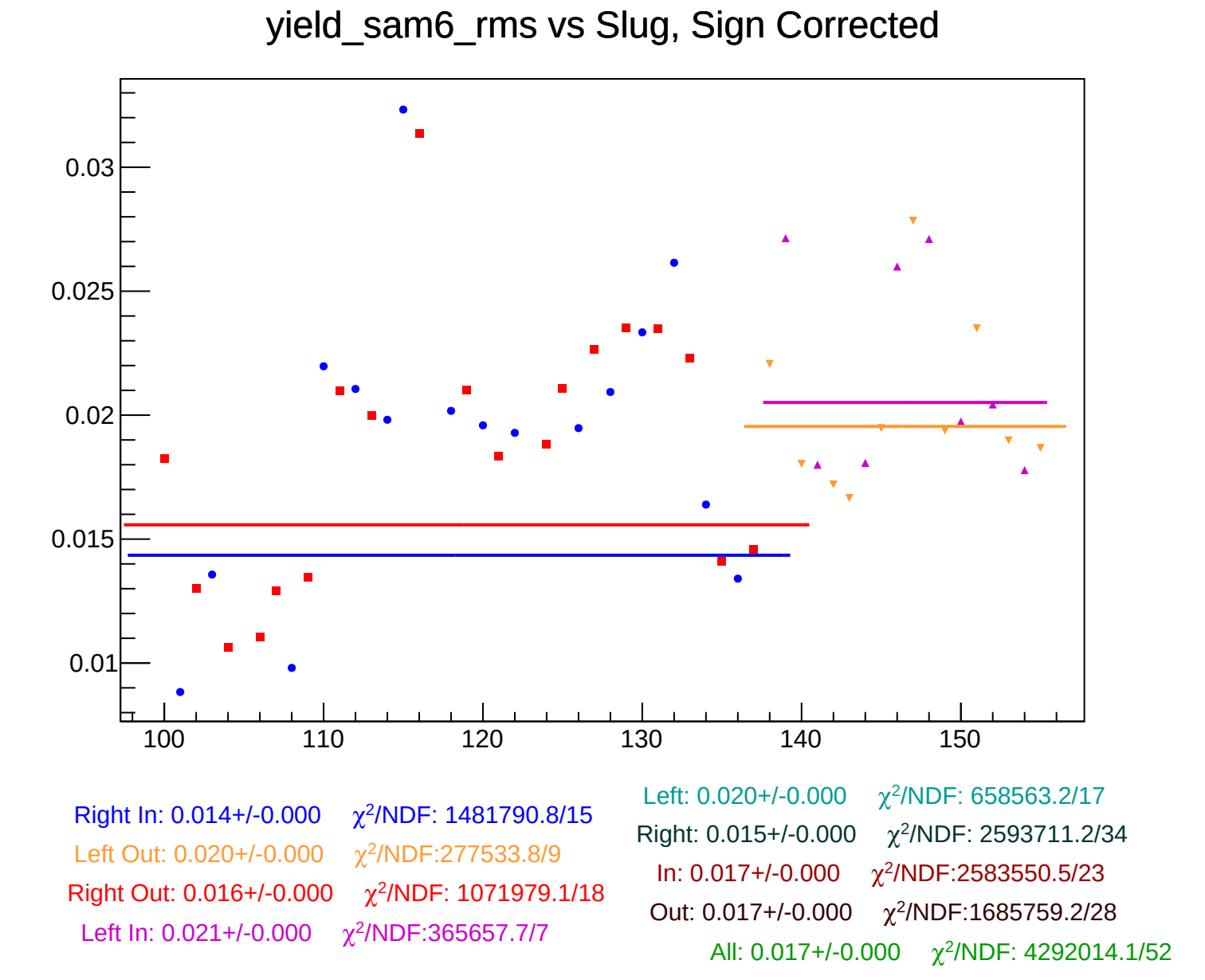
Left: 9.537+/-0.000 χ^2/NDF: 2377862445.4/17

Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

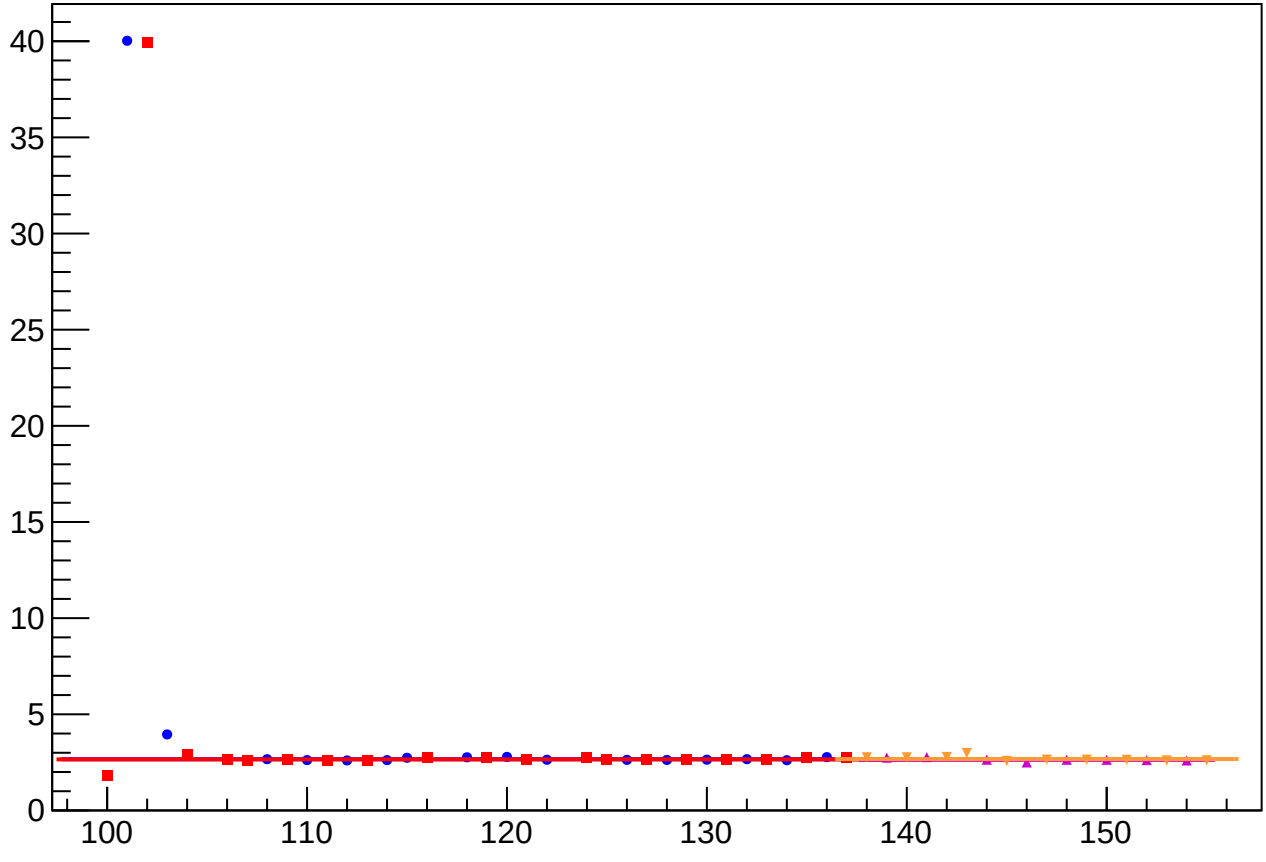
In: 10.305+/-0.000 χ^2/NDF:21412768480.6/23

Out: 10.252+/-0.000 χ^2/NDF:20935530367.7/28

All: 10.278+/-0.000 χ^2/NDF: 42408070158.7


yield_sam6_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
100
110
120
130
140
150
Right In: 0.014+/-0.000 χ²/NDF: 1481790.8/15
Left Out: 0.020+/-0.000 χ²/NDF:277533.8/9
Right Out: 0.016+/-0.000 χ²/NDF: 1071979.1/18
Left In: 0.021+/-0.000 χ²/NDF:365657.7/7
Left: 0.020+/-0.000 χ²/NDF: 658563.2/17
Right: 0.015+/-0.000 χ²/NDF: 2593711.2/34
In: 0.017+/-0.000 χ²/NDF:2583550.5/23
Out: 0.017+/-0.000 χ²/NDF:1685759.2/28
All: 0.017+/-0.000 χ²/NDF: 4292014.1/52

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.672+/-0.000 χ^2/NDF:16488300356.1/9

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.631+/-0.000 χ^2/NDF:7504142586.7/7

Left: 2.652+/-0.000 χ^2/NDF: 25026093528.1/17

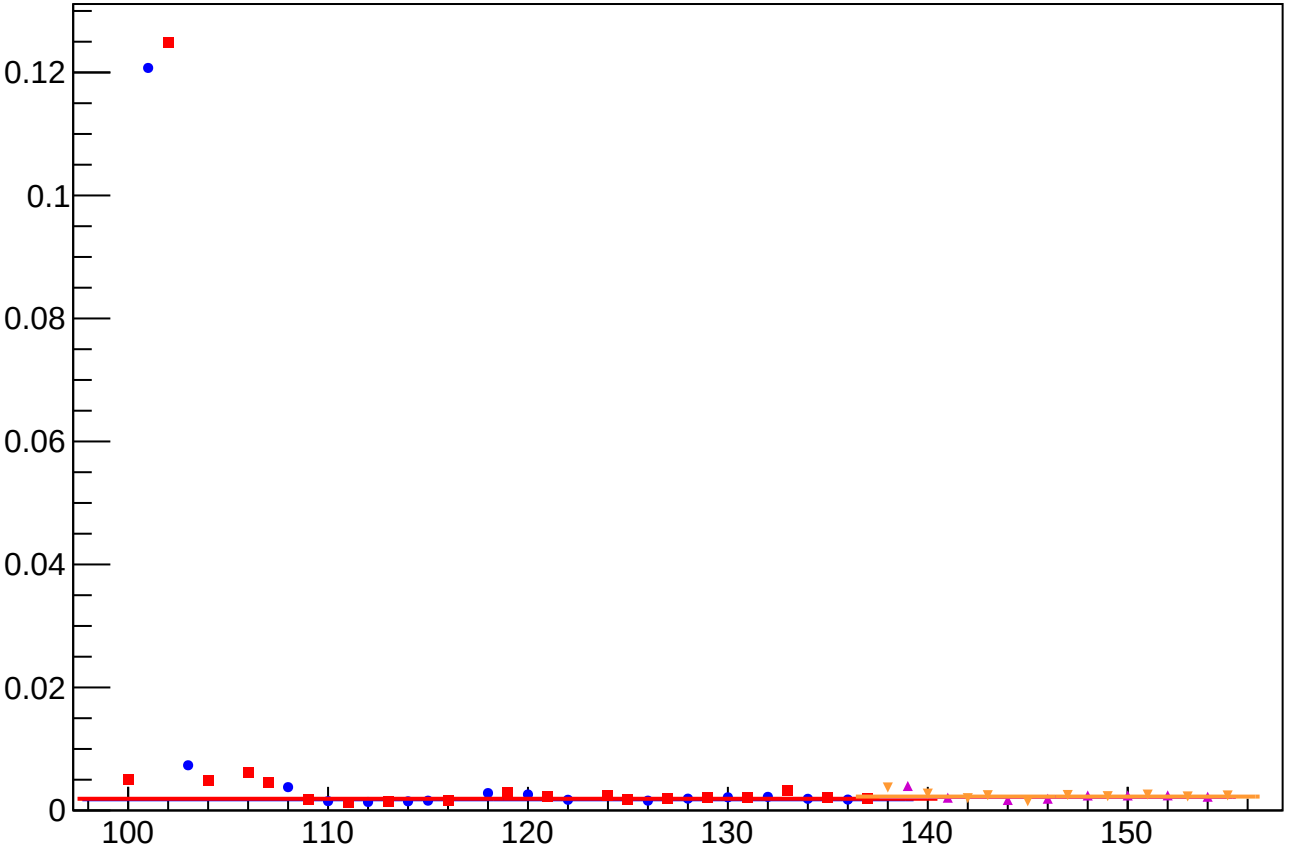
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.649+/-0.000 χ^2/NDF:76049802640.1/23

Out: 2.664+/-0.000 χ^2/NDF:81710884631.4/28

All: 2.656+/-0.000 χ^2/NDF: 158047626598.3

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:656811.6/9

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:518527.2/7

Left: 0.002+/-0.000 χ^2/NDF: 1180338.9/17

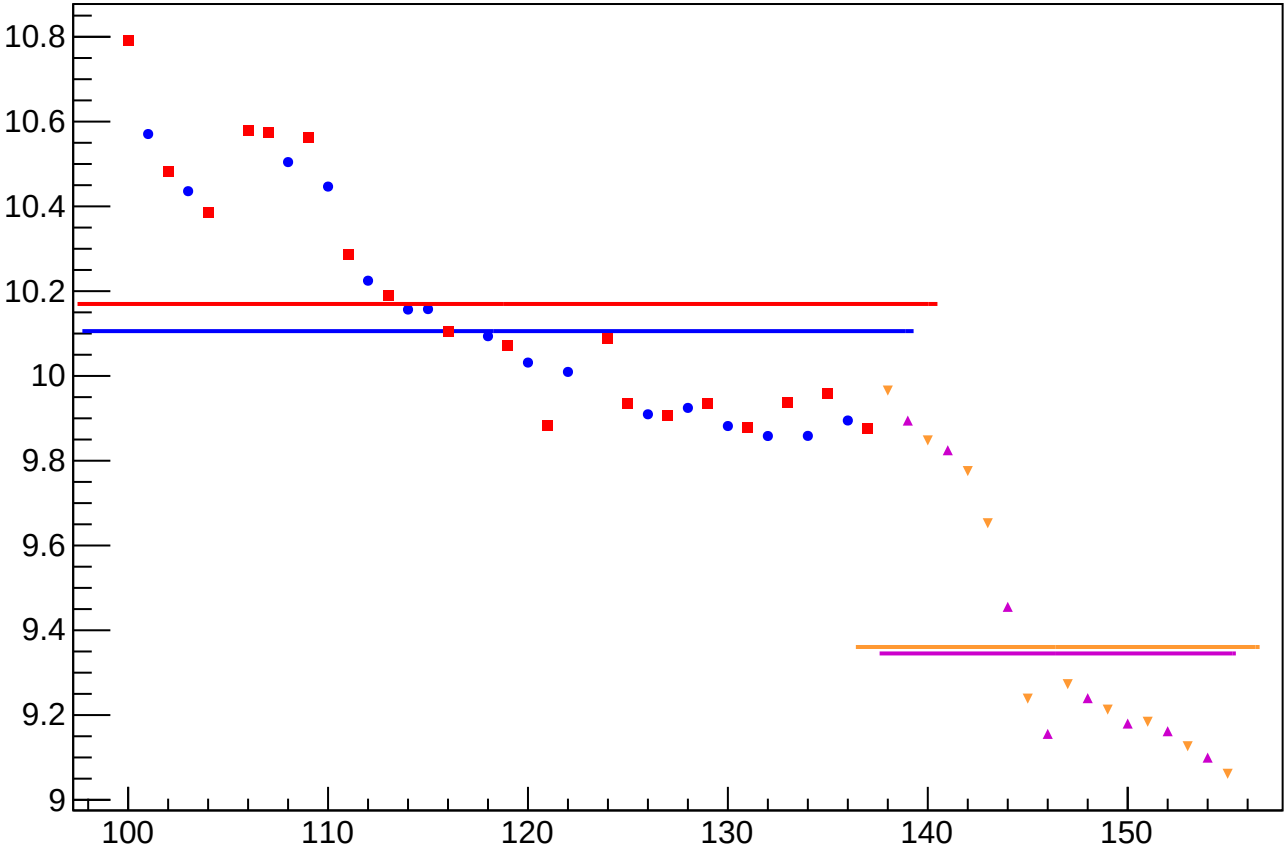
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2521960.8/23

Out: 0.002+/-0.000 χ^2/NDF:3346099.8/28

All: 0.002+/-0.000 χ^2/NDF: 5885622.3/52

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.361+/-0.000 χ^2/NDF:11397414643.7/9

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.345+/-0.000 χ^2/NDF:9342815831.3/7

Left: 9.354+/-0.000 χ^2/NDF: 20756669256.6/17

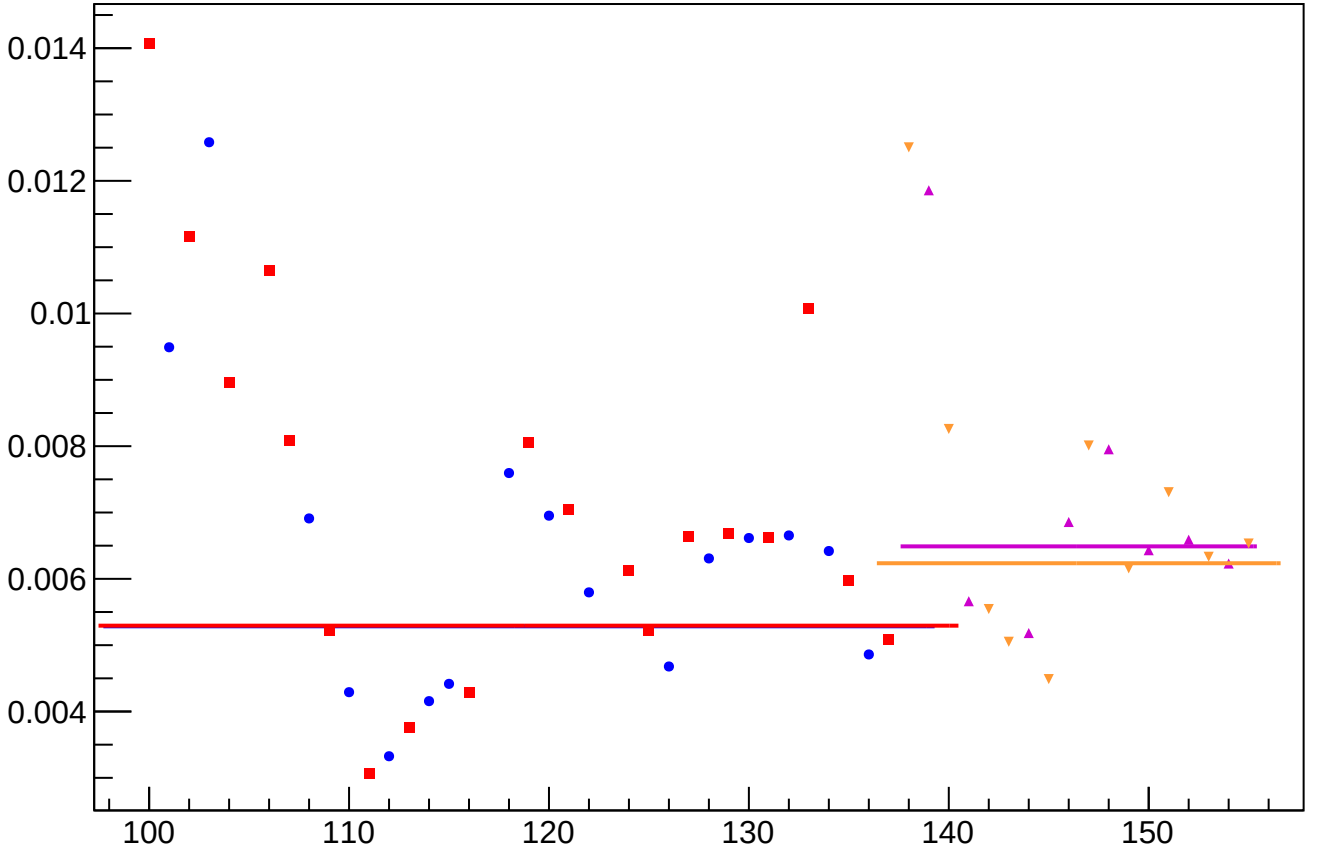
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.798+/-0.000 χ^2/NDF:63685536286.9/23

Out: 9.814+/-0.000 χ^2/NDF:77165660823.9/28

All: 9.807+/-0.000 χ^2/NDF: 140894227246.0

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:783860.2/9

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:489006.6/7

Left: 0.006+/-0.000 χ^2/NDF: 1282042.8/17

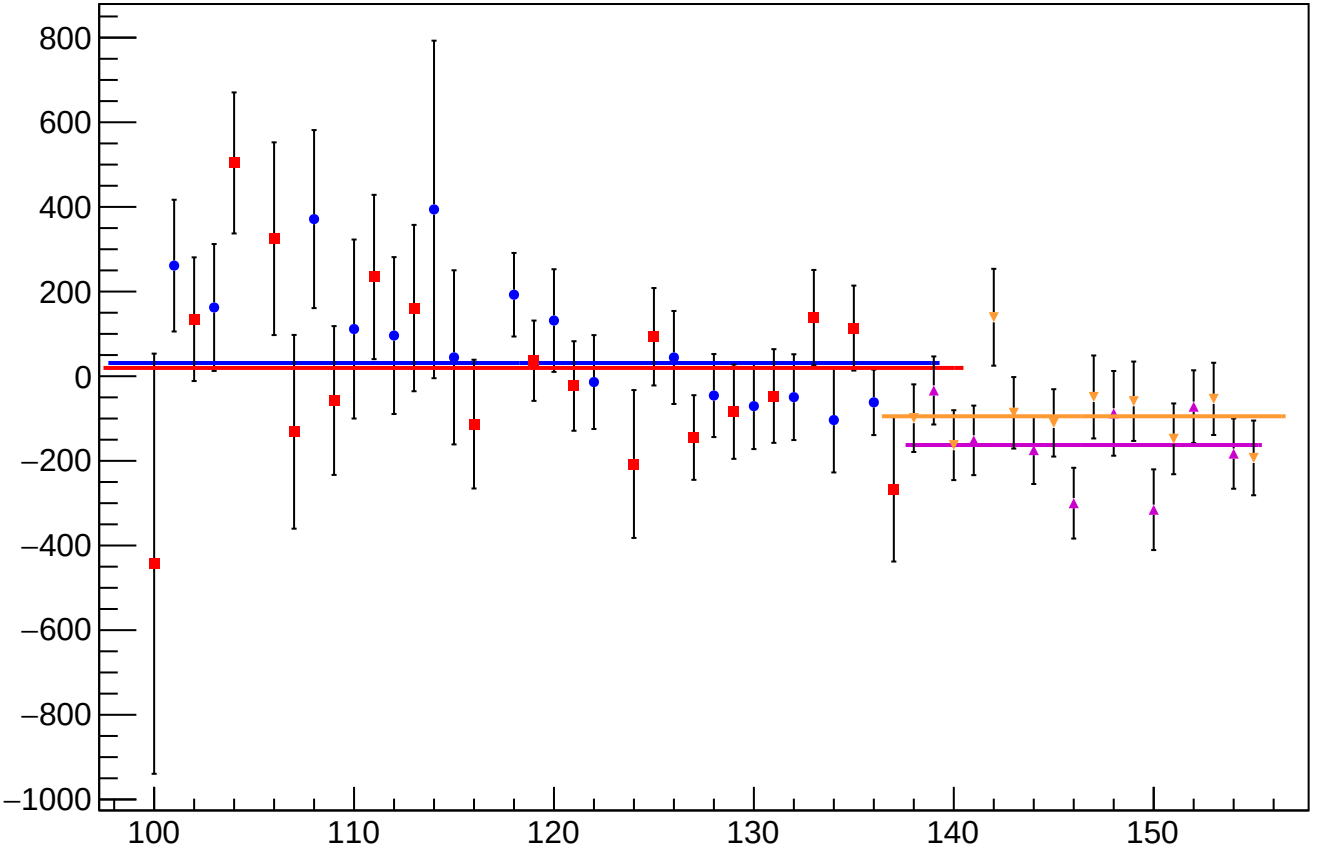
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:1990250.4/23

Out: 0.006+/-0.000 χ^2/NDF:2729325.2/28

All: 0.006+/-0.000 χ^2/NDF: 4720966.6/52

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -94.651+/-27.686 χ^2/NDF:7.2/9

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -162.562+/-30.267 χ^2/NDF:9.6/7

Left: -125.588+/-20.429 χ^2/NDF: 19.5/17

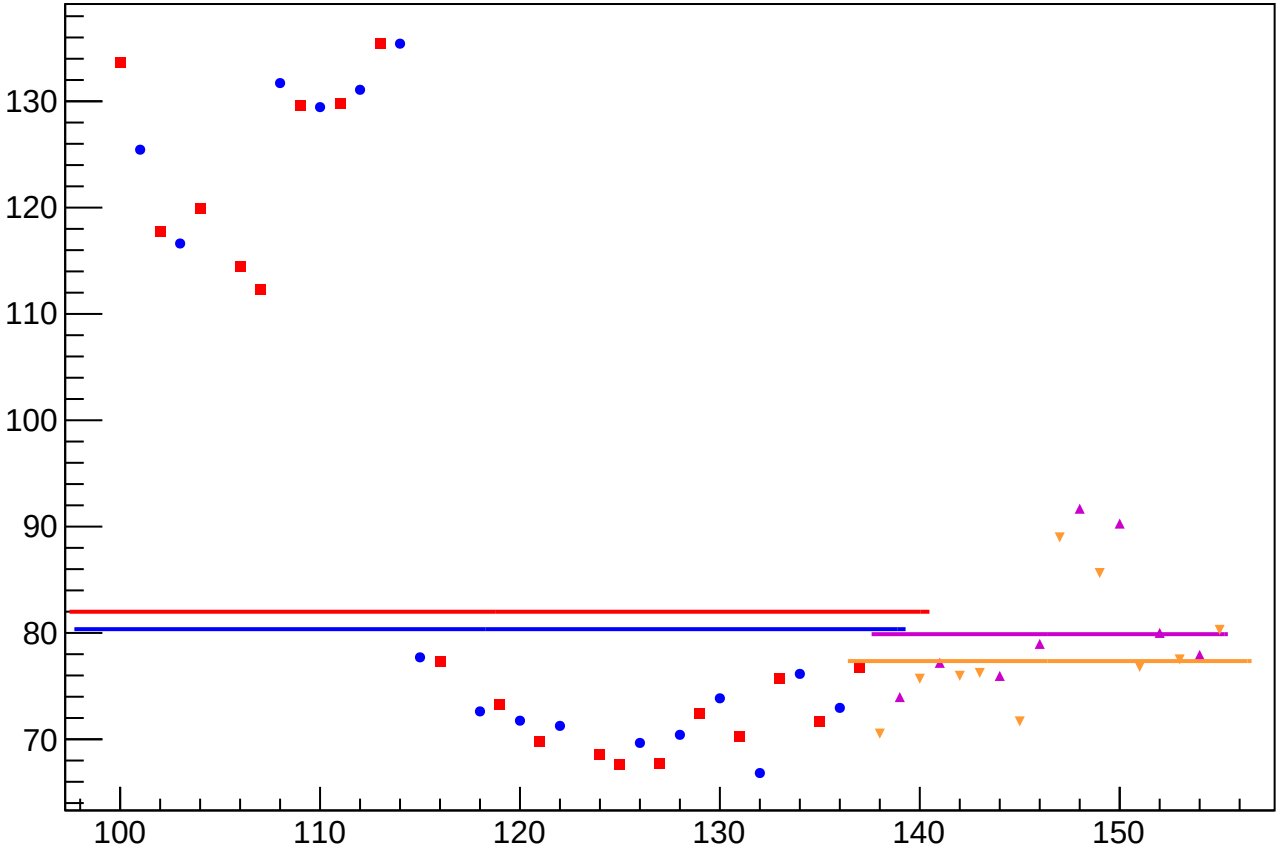
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -67.305+/-21.583 χ^2/NDF:44.8/23

Out: -44.075+/-20.667 χ^2/NDF:40.6/28

All: -55.186+/-14.927 χ^2/NDF: 86.0/52

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.353+/-0.020 χ^2/NDF:72291.8/9

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.884+/-0.021 χ^2/NDF:70711.9/7

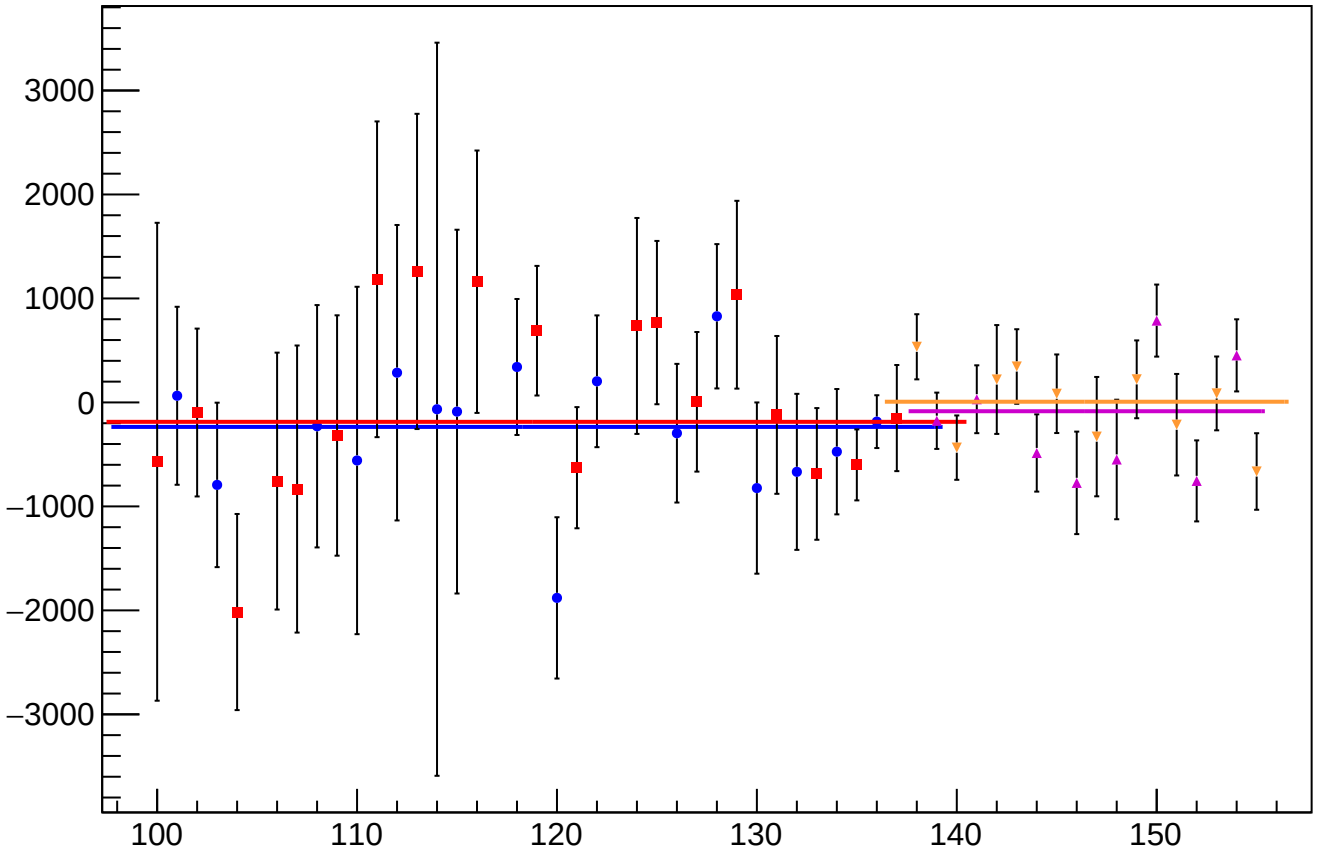
Left: 78.506+/-0.014 χ^2/NDF: 150613.3/17

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 80.115+/-0.015 χ^2/NDF:910988.9/23

Out: 79.408+/-0.015 χ^2/NDF:1029498.6/28

All: 79.746+/-0.011 χ^2/NDF: 1941607.4/52



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 6.721+/-120.600 χ^2/NDF:10.2/9

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -84.719+/-128.412 χ^2/NDF:15.7/7

Left: -36.133+/-87.909 χ^2/NDF: 26.2/17

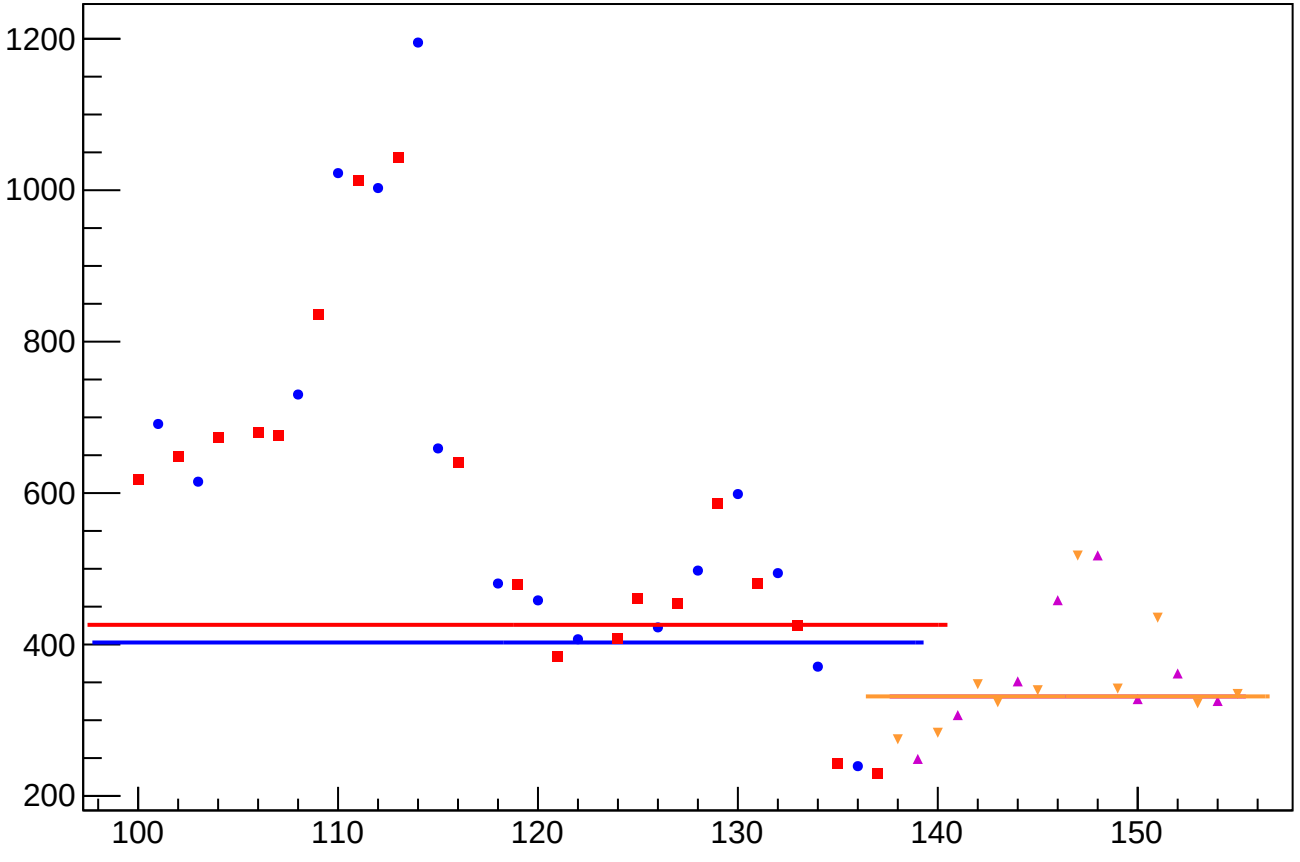
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -142.136+/-101.051 χ^2/NDF:26.2/23

Out: -57.806+/-98.439 χ^2/NDF:27.0/28

All: -98.867+/-70.512 χ^2/NDF: 53.6/52

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 331.461+/-0.085 χ^2/NDF:421096.3/9

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 331.344+/-0.091 χ^2/NDF:558872.1/7

Left: 331.407+/-0.062 χ^2/NDF: 979969.4/17

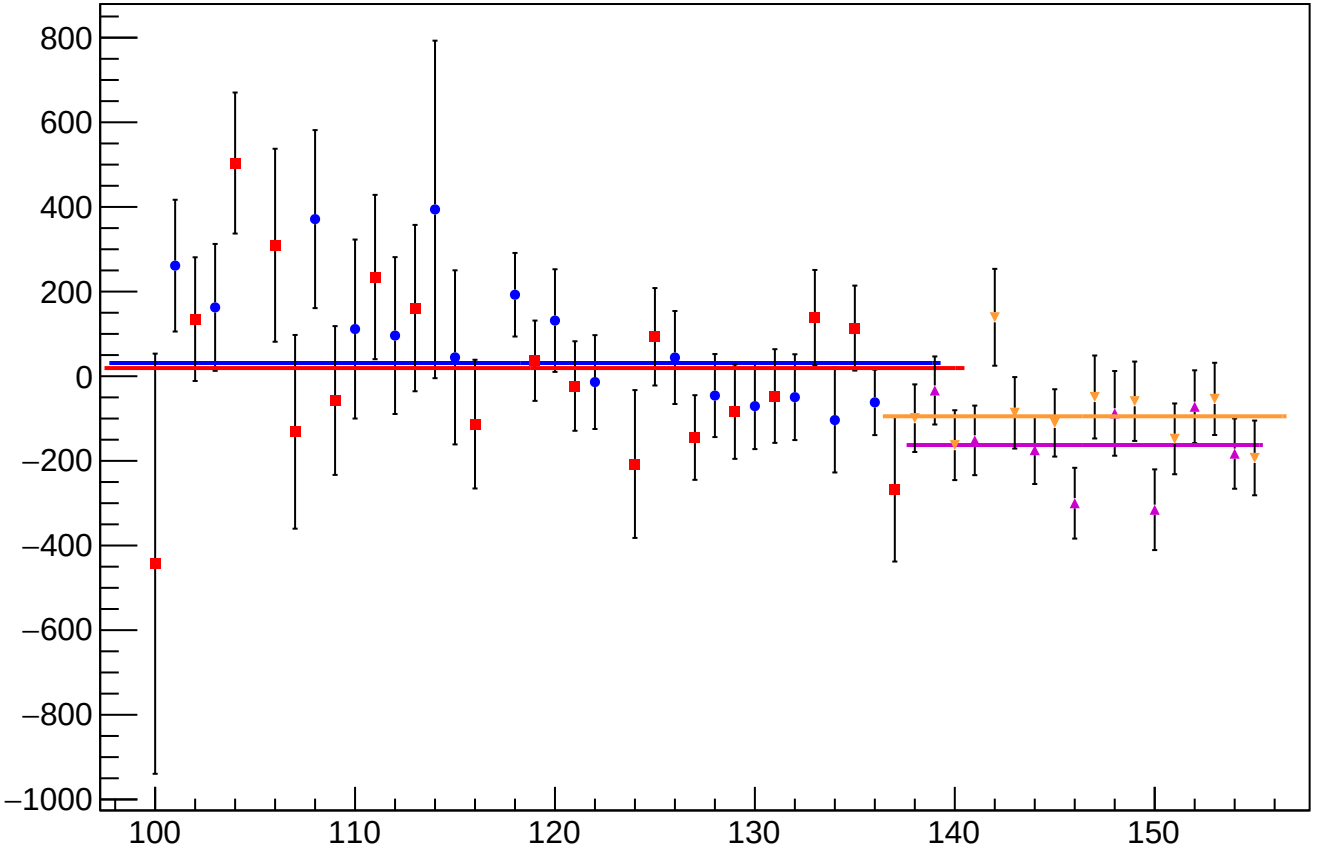
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 358.497+/-0.071 χ^2/NDF:3153816.6/23

Out: 363.007+/-0.070 χ^2/NDF:3199894.2/28

All: 360.811+/-0.050 χ^2/NDF: 6355755.0/52

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -94.651+/-27.686 χ^2/NDF:7.2/9

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -162.564+/-30.267 χ^2/NDF:9.6/7

Left: -125.589+/-20.429 χ^2/NDF: 19.5/17

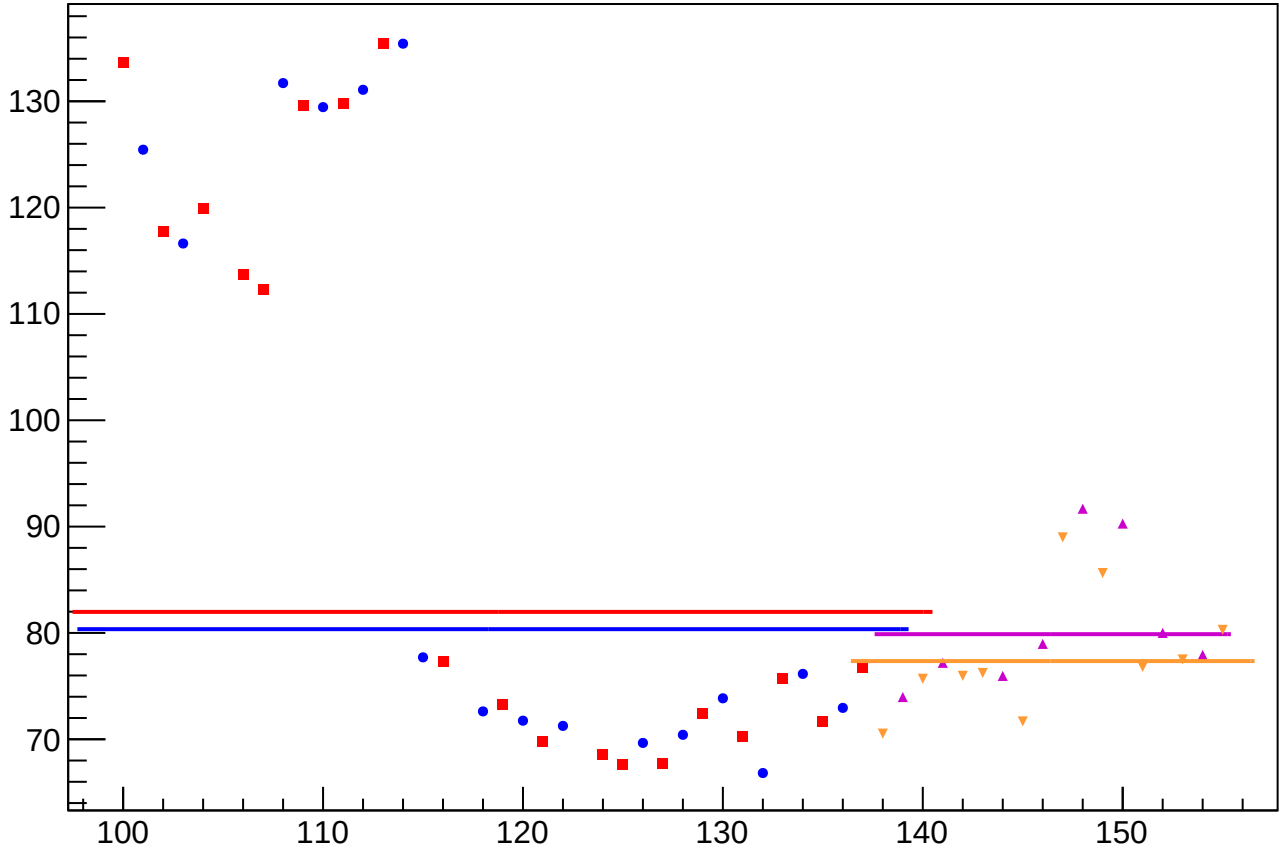
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -67.301+/-21.583 χ^2/NDF:44.8/23

Out: -44.206+/-20.667 χ^2/NDF:40.4/28

All: -55.253+/-14.927 χ^2/NDF: 85.8/52

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.353+/-0.020 χ^2/NDF:72291.8/9

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.884+/-0.021 χ^2/NDF:70711.9/7

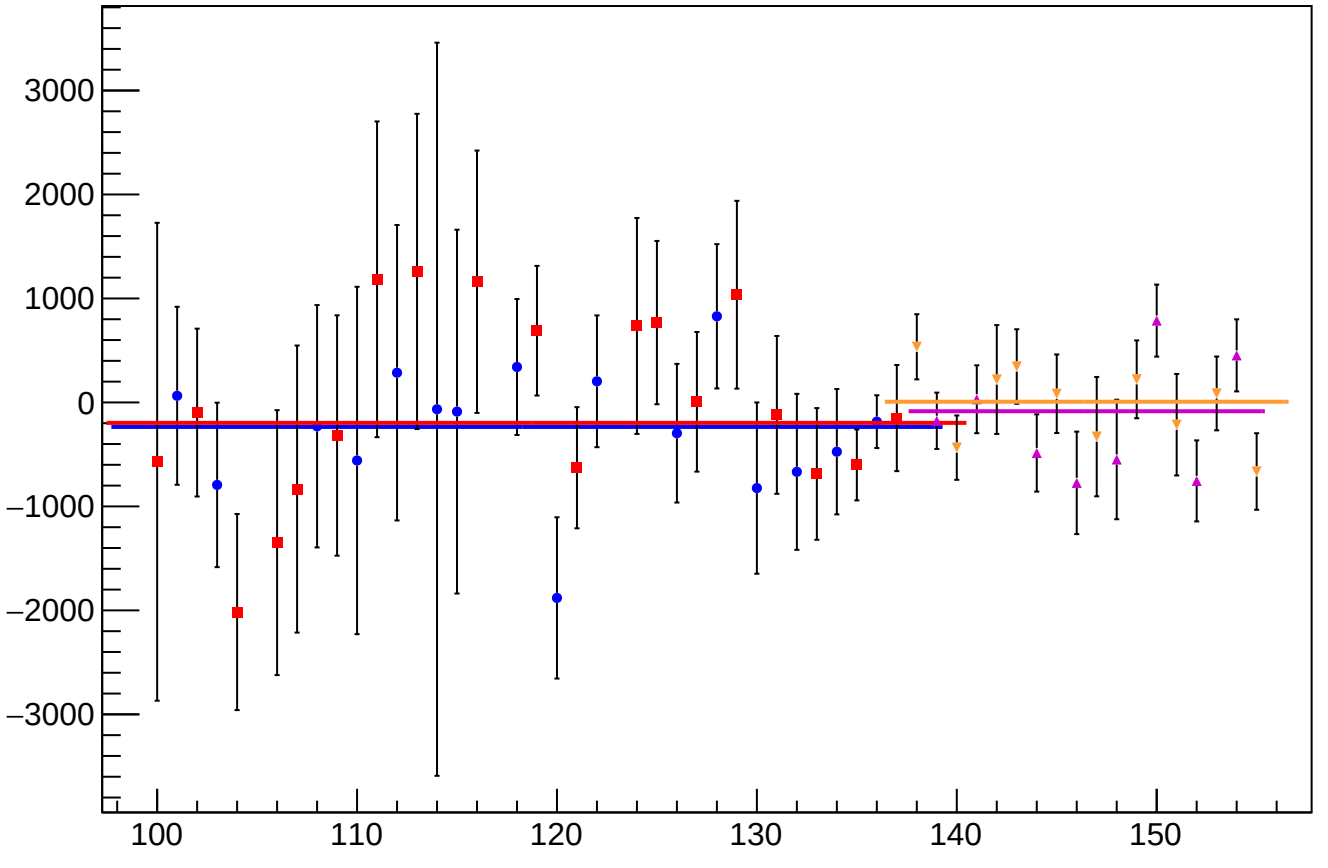
Left: 78.506+/-0.014 χ^2/NDF: 150613.3/17

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.115+/-0.015 χ^2/NDF:910989.1/23

Out: 79.401+/-0.015 χ^2/NDF:1027465.6/28

All: 79.742+/-0.011 χ^2/NDF: 1939596.0/52



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 6.720+/-120.600 χ^2/NDF:10.2/9

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -84.719+/-128.413 χ^2/NDF:15.7/7

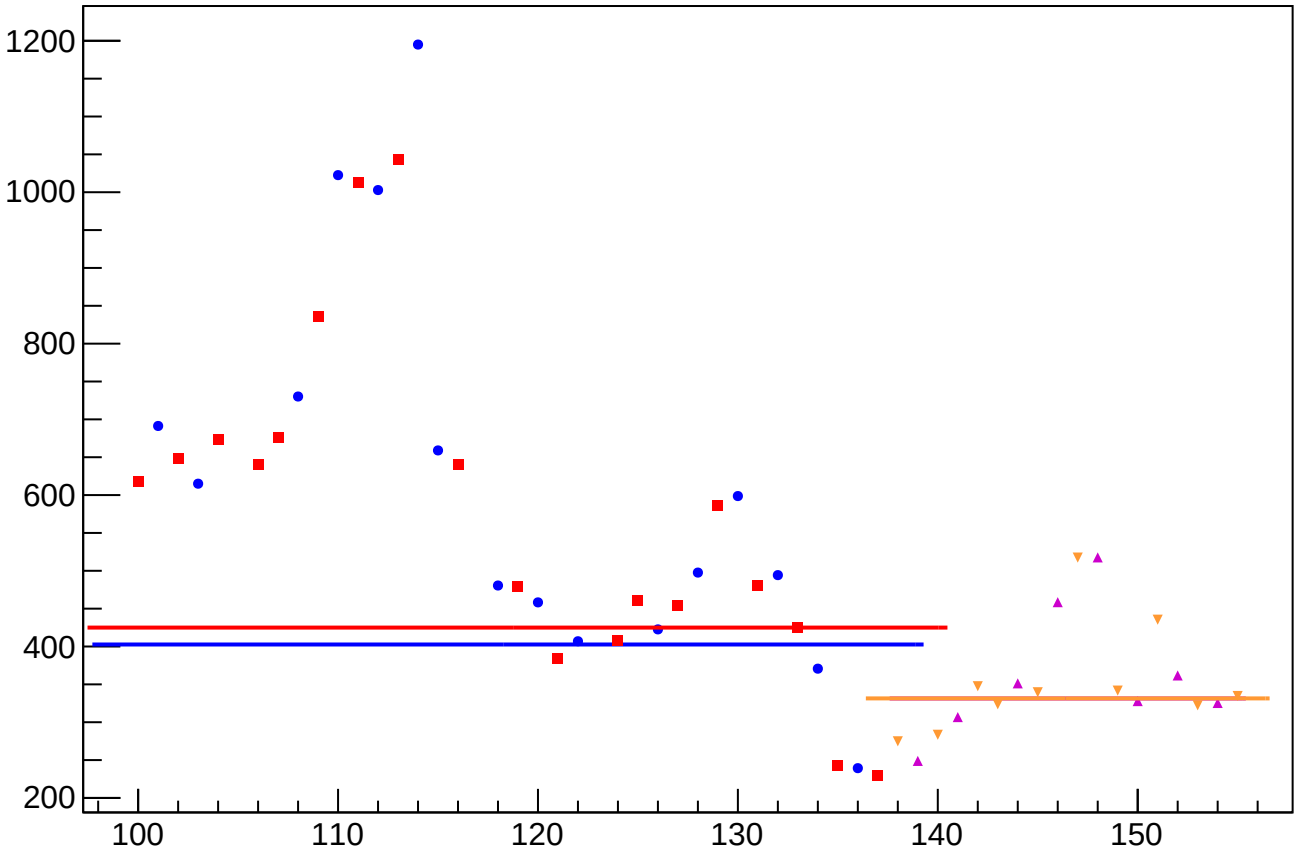
Left: -36.133+/-87.909 χ^2/NDF: 26.2/17

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -142.136+/-101.051 χ^2/NDF:26.2/23

Out: -61.079+/-98.458 χ^2/NDF:27.8/28

All: -100.554+/-70.519 χ^2/NDF: 54.3/52



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.461+/-0.085 χ^2/NDF:421101.7/9

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 331.345+/-0.091 χ^2/NDF:558873.4/7

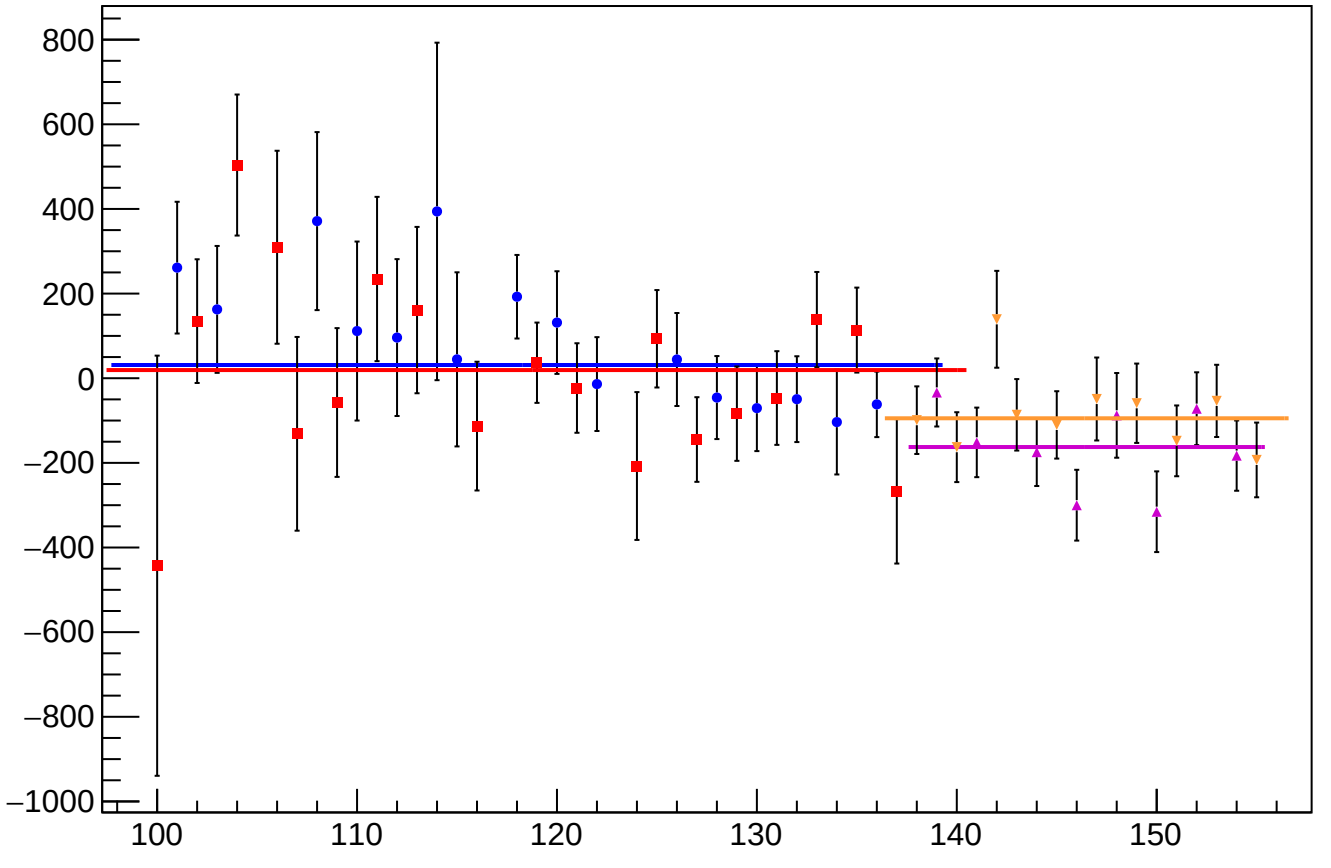
Left: 331.407+/-0.062 χ^2/NDF: 979976.0/17

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 358.497+/-0.071 χ^2/NDF:3153812.5/23

Out: 362.652+/-0.070 χ^2/NDF:3163267.6/28

All: 360.629+/-0.050 χ^2/NDF: 6318814.4/52



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -94.651+/-27.686 χ^2/NDF:7.2/9

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -162.564+/-30.267 χ^2/NDF:9.6/7

Left: -125.589+/-20.429 χ^2/NDF: 19.5/17

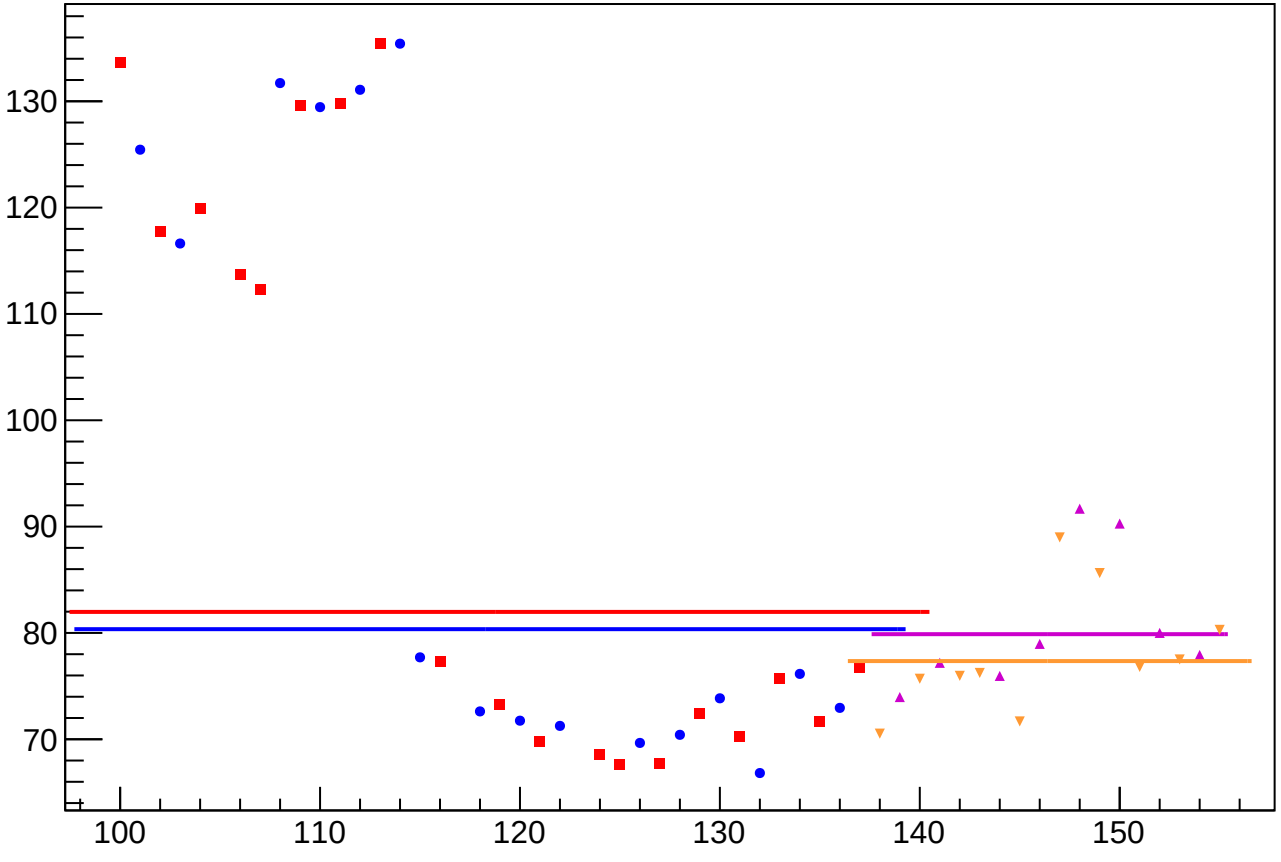
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -67.301+/-21.583 χ^2/NDF:44.8/23

Out: -44.206+/-20.667 χ^2/NDF:40.4/28

All: -55.253+/-14.927 χ^2/NDF: 85.8/52

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.353+/-0.020 χ^2/NDF:72291.8/9

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.884+/-0.021 χ^2/NDF:70711.9/7

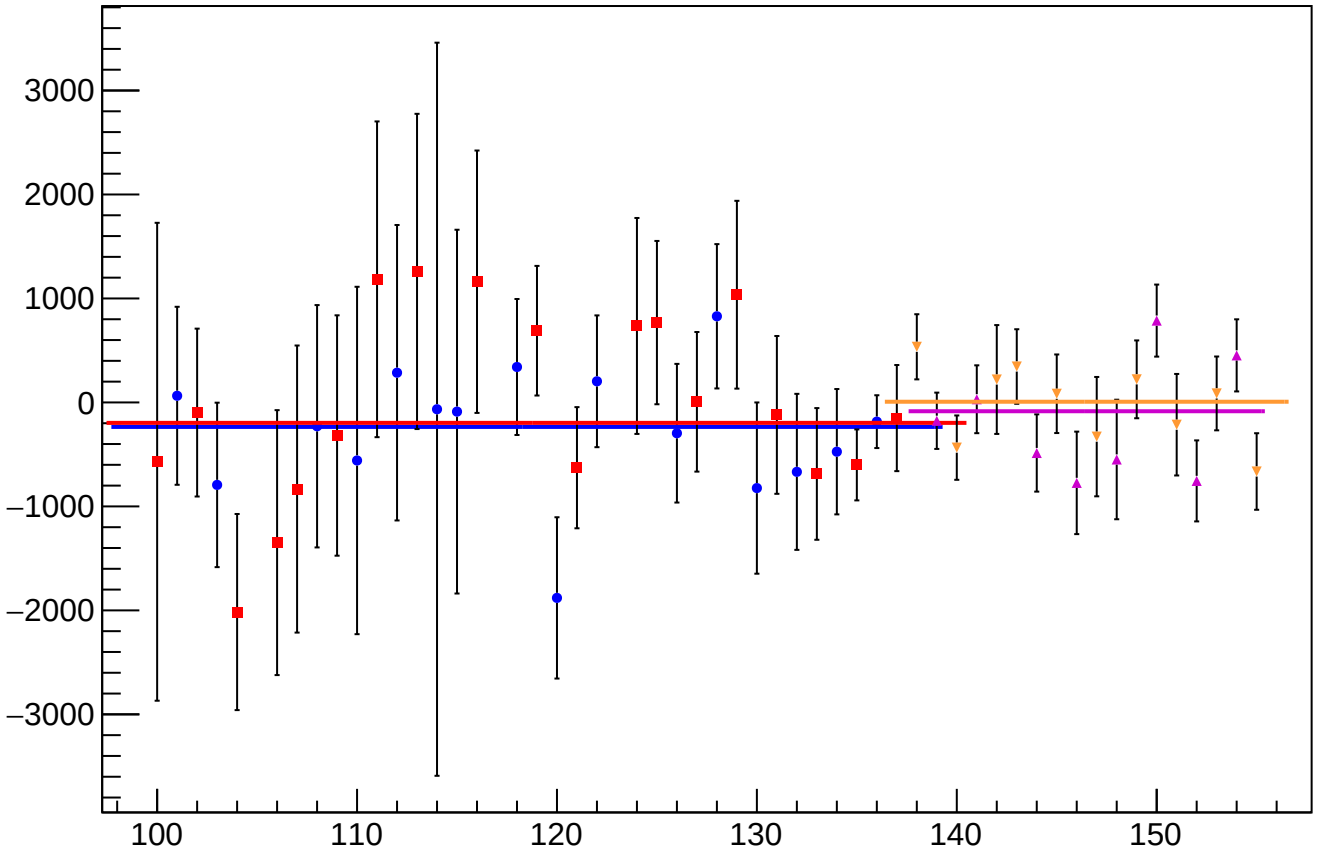
Left: 78.506+/-0.014 χ^2/NDF: 150613.3/17

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.115+/-0.015 χ^2/NDF:910989.1/23

Out: 79.401+/-0.015 χ^2/NDF:1027465.6/28

All: 79.742+/-0.011 χ^2/NDF: 1939596.0/52



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 6.720+/-120.600 χ^2/NDF:10.2/9

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -84.719+/-128.413 χ^2/NDF:15.7/7

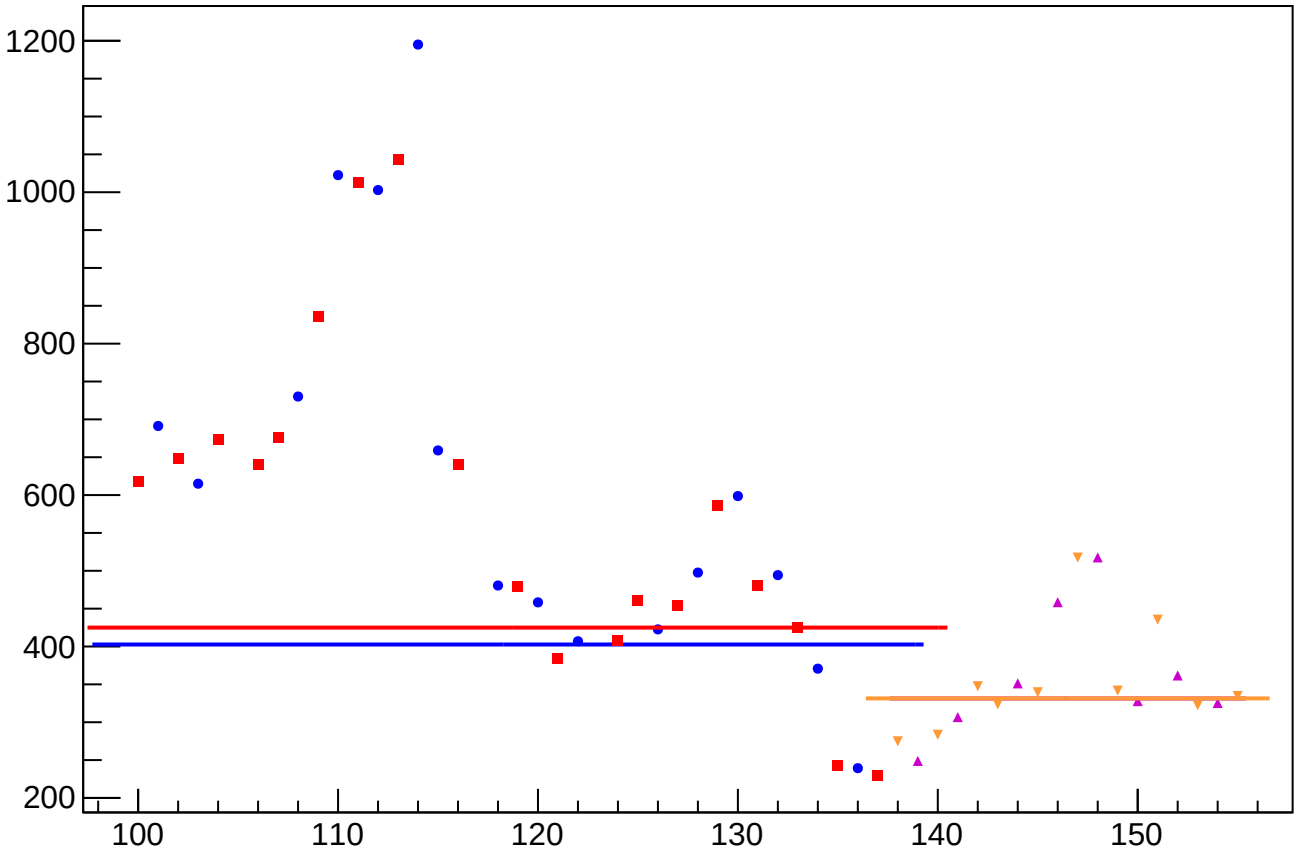
Left: -36.133+/-87.909 χ^2/NDF: 26.2/17

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -142.136+/-101.051 χ^2/NDF:26.2/23

Out: -61.079+/-98.458 χ^2/NDF:27.8/28

All: -100.554+/-70.519 χ^2/NDF: 54.3/52



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.461+/-0.085 χ^2/NDF:421101.7/9

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 331.345+/-0.091 χ^2/NDF:558873.4/7

Left: 331.407+/-0.062 χ^2/NDF: 979976.0/17

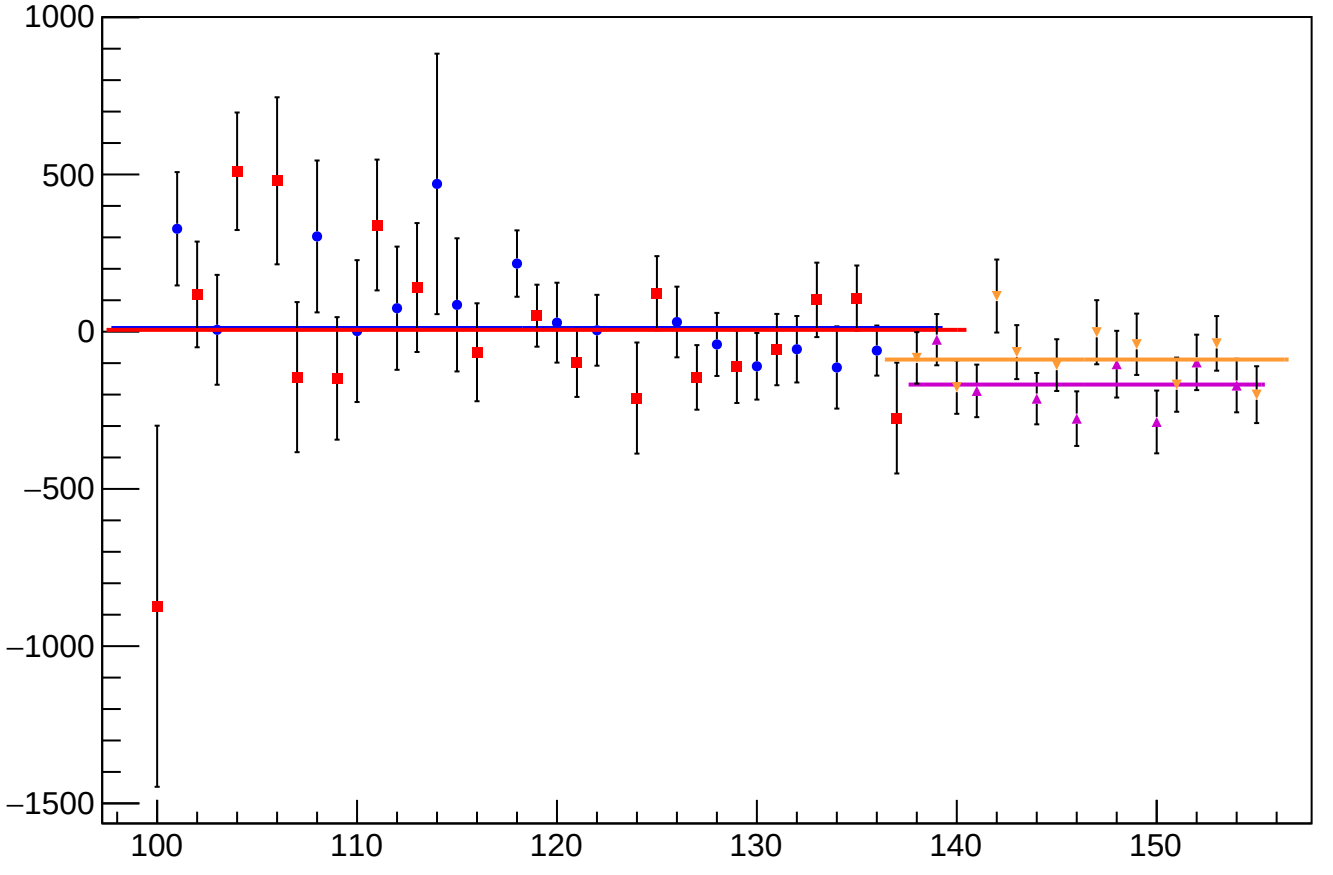
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 358.497+/-0.071 χ^2/NDF:3153812.5/23

Out: 362.652+/-0.070 χ^2/NDF:3163267.6/28

All: 360.629+/-0.050 χ^2/NDF: 6318814.4/52

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -88.556+/-28.433 χ^2/NDF:7.9/9

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -168.107+/-31.123 χ^2/NDF:7.4/7

Left: -124.745+/-20.992 χ^2/NDF: 18.9/17

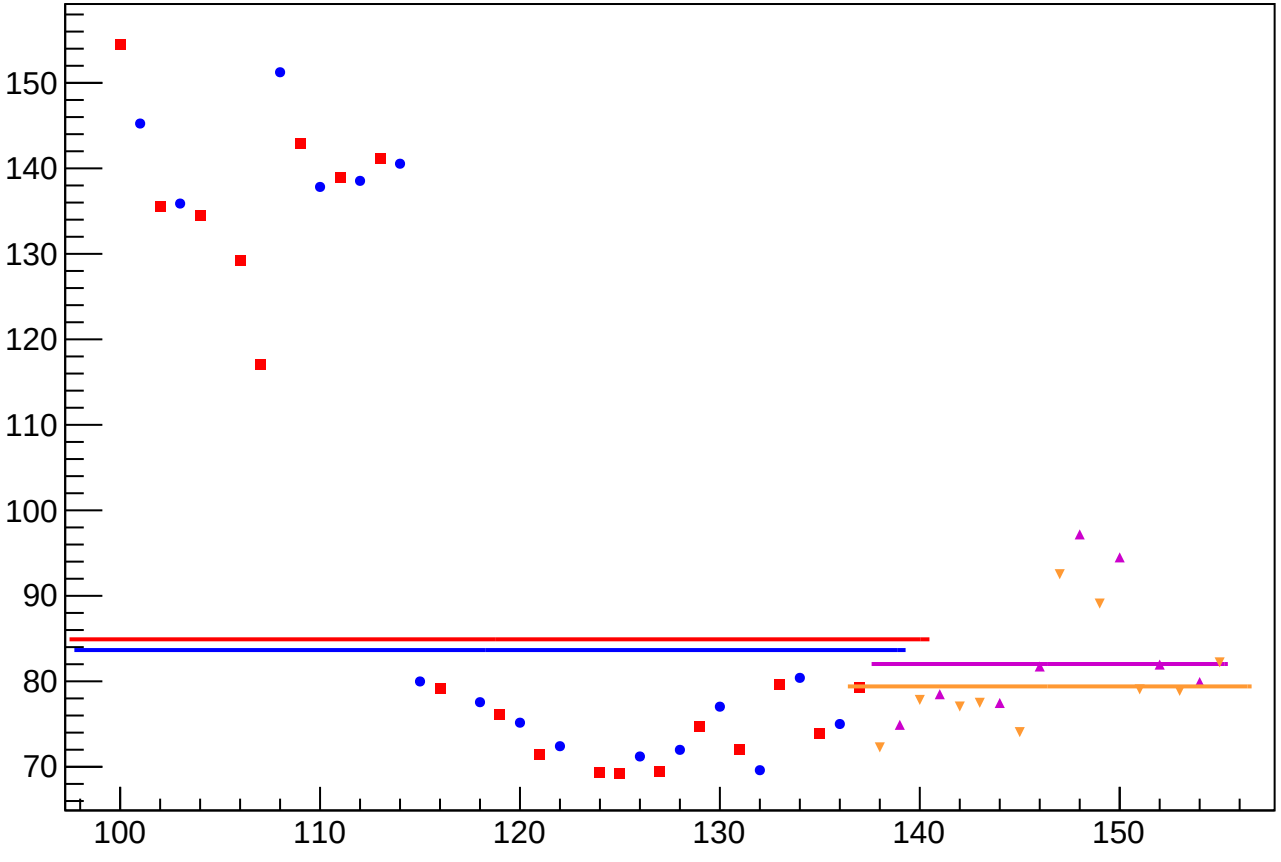
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -81.554+/-22.411 χ^2/NDF:37.0/23

Out: -47.560+/-21.383 χ^2/NDF:41.5/28

All: -63.760+/-15.471 χ^2/NDF: 79.7/52

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.404+/-0.020 χ^2/NDF:81069.6/9

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 82.026+/-0.022 χ^2/NDF:98375.5/7

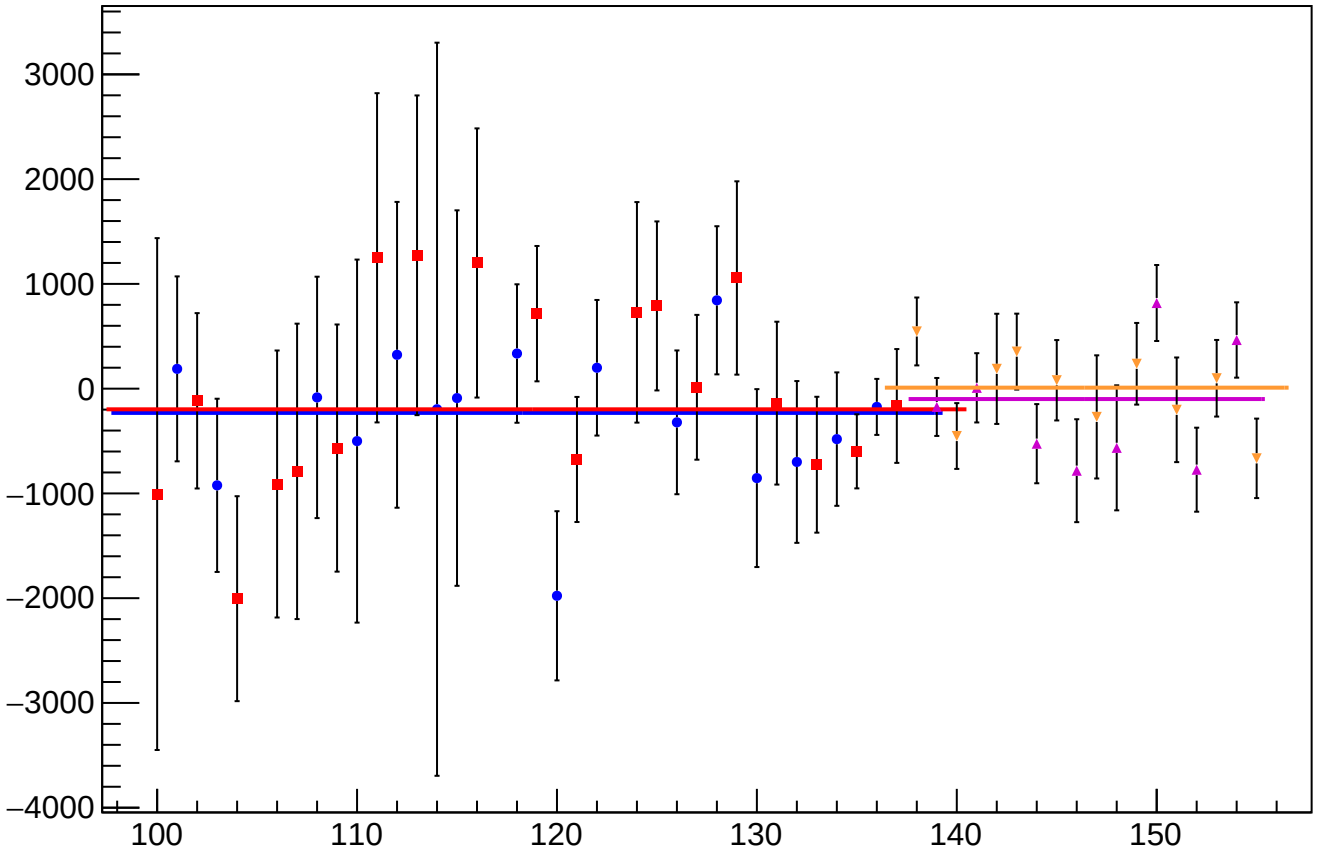
Left: 80.597+/-0.015 χ^2/NDF: 187180.1/17

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.811+/-0.016 χ^2/NDF:1135815.2/23

Out: 81.797+/-0.015 χ^2/NDF:1235350.7/28

All: 82.281+/-0.011 χ^2/NDF: 2373309.1/52



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 9.546+/-123.465 χ^2/NDF:9.9/9

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -99.154+/-131.616 χ^2/NDF:15.7/7

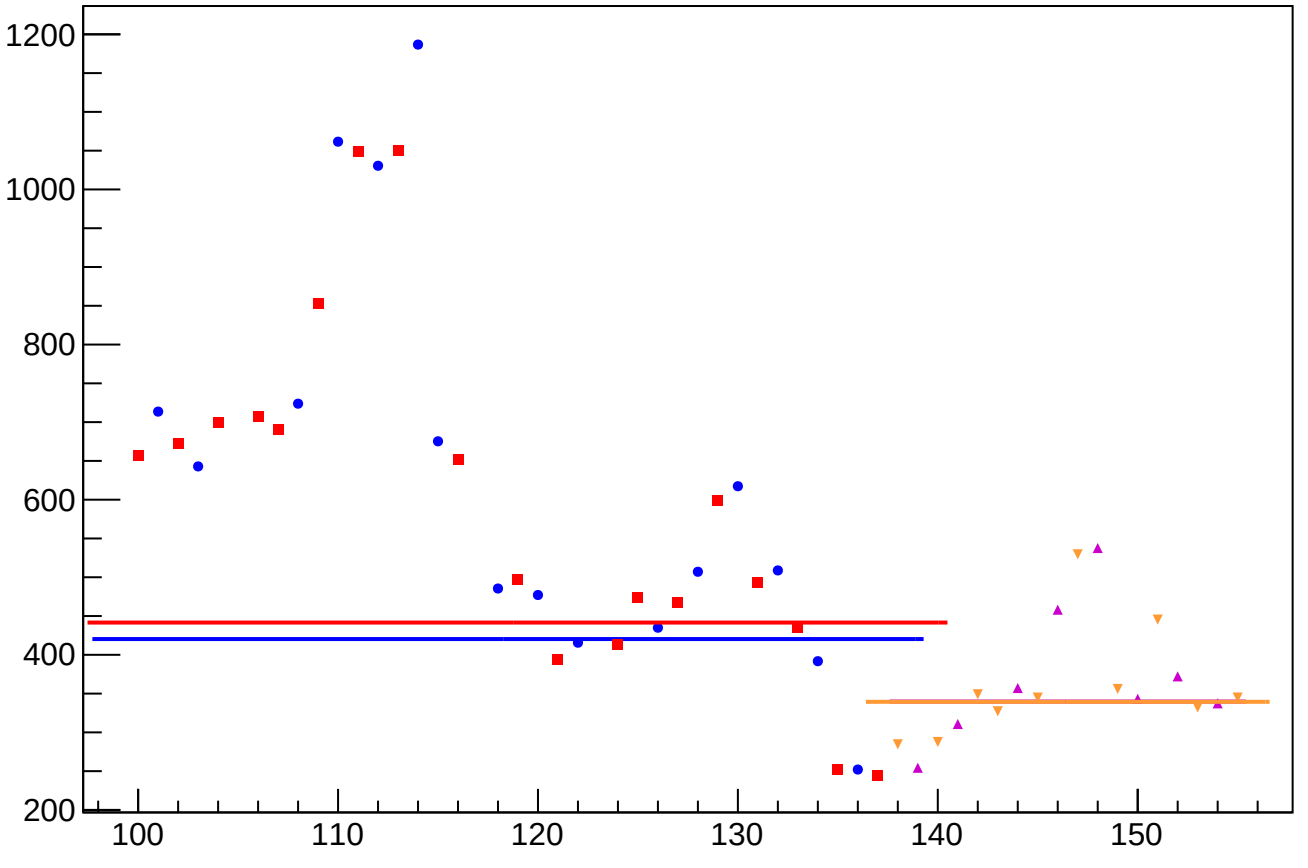
Left: -41.334+/-90.047 χ^2/NDF: 26.0/17

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -148.669+/-104.101 χ^2/NDF:26.5/23

Out: -58.595+/-101.092 χ^2/NDF:26.7/28

All: -102.312+/-72.523 χ^2/NDF: 53.6/52



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 339.402+/-0.087 χ^2/NDF:419265.2/9

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 339.748+/-0.093 χ^2/NDF:559640.8/7

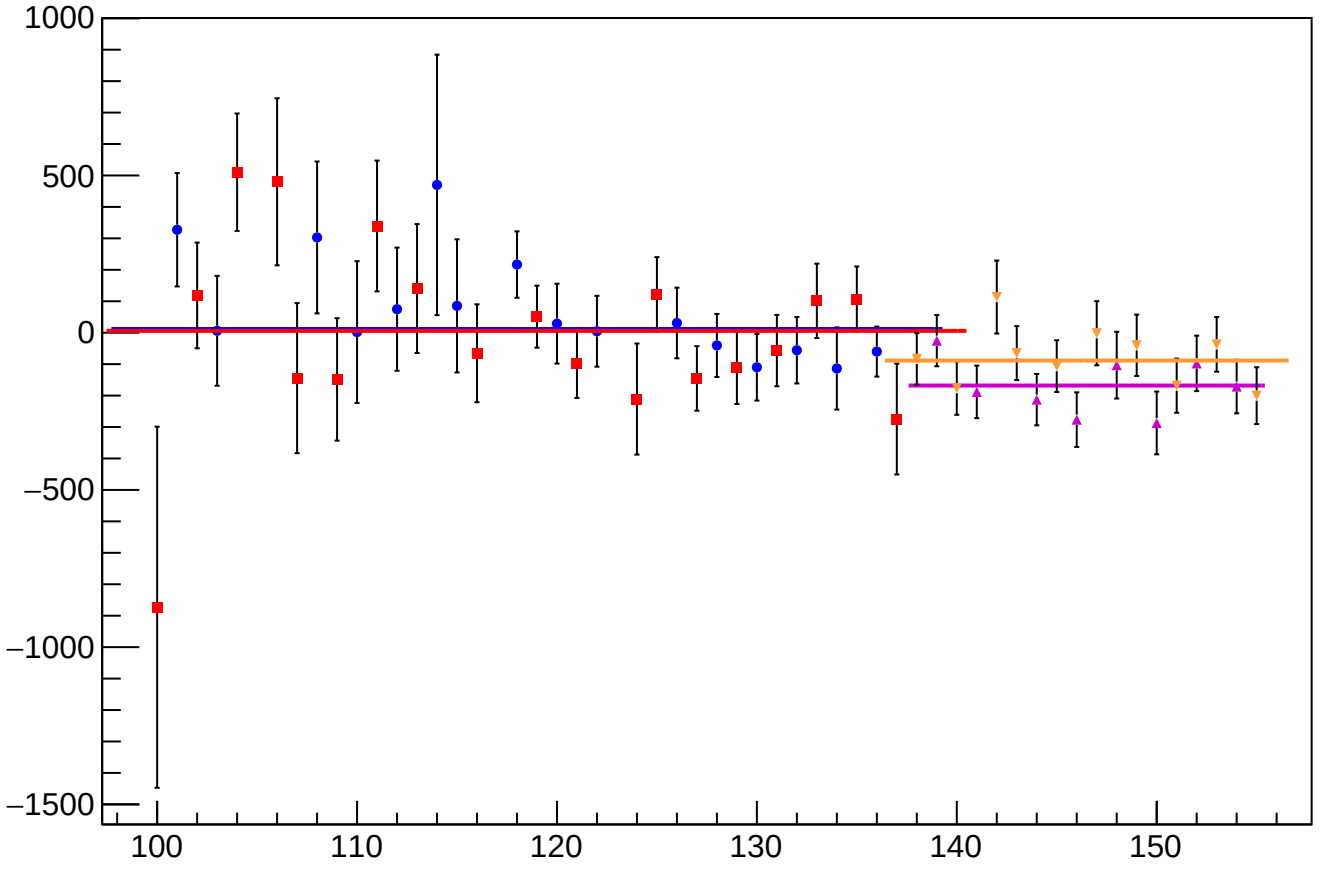
Left: 339.564+/-0.064 χ^2/NDF: 978913.3/17

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 369.918+/-0.074 χ^2/NDF:3094933.2/23

Out: 373.083+/-0.071 χ^2/NDF:3178470.4/28

All: 371.547+/-0.051 χ^2/NDF: 6274355.3/52



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -88.555+/-28.433 χ^2/NDF:7.9/9

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -168.107+/-31.123 χ^2/NDF:7.4/7

Left: -124.745+/-20.992 χ^2/NDF: 18.9/17

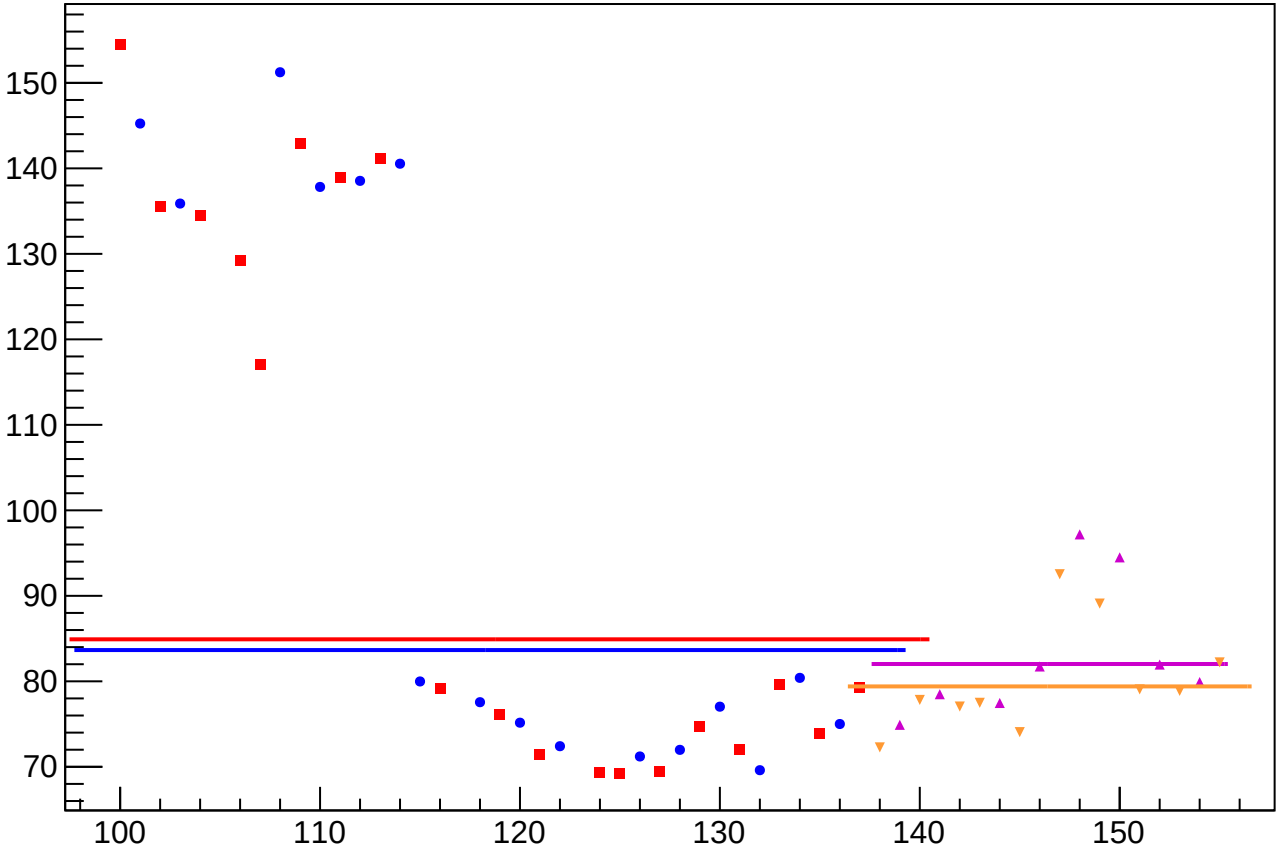
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -81.553+/-22.411 χ^2/NDF:37.0/23

Out: -47.560+/-21.383 χ^2/NDF:41.5/28

All: -63.759+/-15.471 χ^2/NDF: 79.7/52

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.404+/-0.020 χ^2/NDF:81069.3/9

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.026+/-0.022 χ^2/NDF:98374.7/7

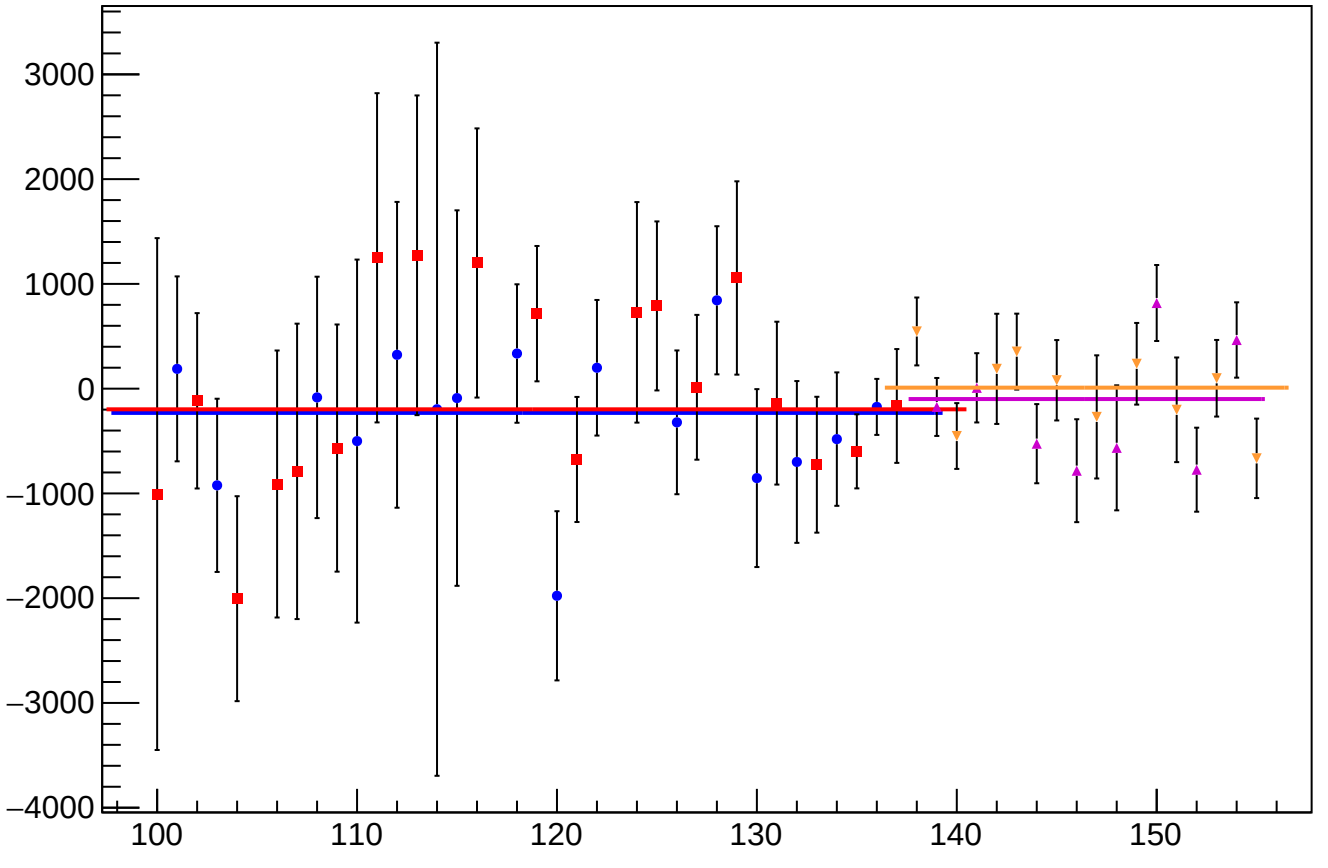
Left: 80.597+/-0.015 χ^2/NDF: 187178.9/17

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.811+/-0.016 χ^2/NDF:1135813.6/23

Out: 81.797+/-0.015 χ^2/NDF:1235348.5/28

All: 82.280+/-0.011 χ^2/NDF: 2373305.3/52



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 9.546+/-123.465 χ^2/NDF:9.9/9

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -99.154+/-131.616 χ^2/NDF:15.7/7

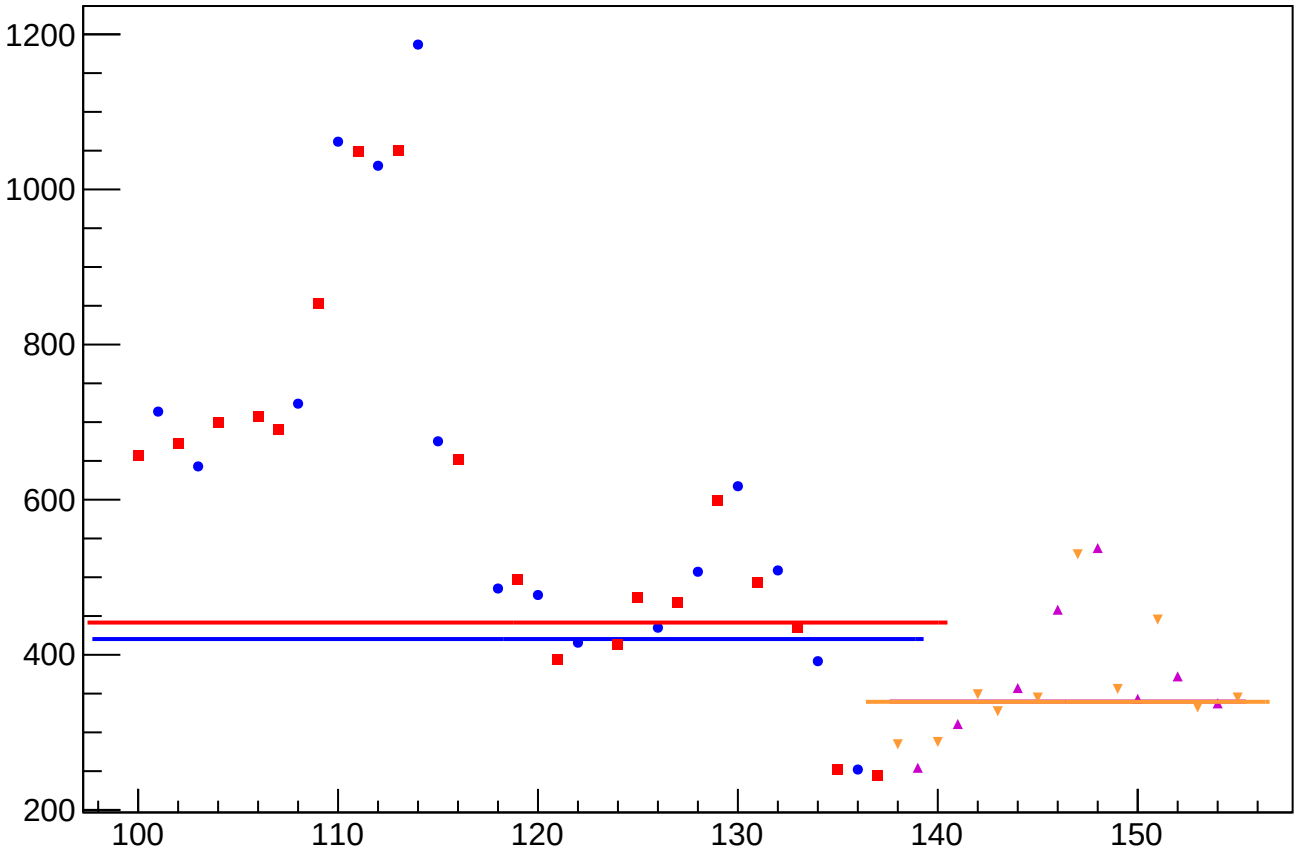
Left: -41.334+/-90.046 χ^2/NDF: 26.0/17

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -148.669+/-104.101 χ^2/NDF:26.5/23

Out: -58.595+/-101.092 χ^2/NDF:26.7/28

All: -102.311+/-72.523 χ^2/NDF: 53.6/52



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 339.402+/-0.087 χ^2/NDF:419264.8/9

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 339.748+/-0.093 χ^2/NDF:559641.6/7

Left: 339.564+/-0.064 χ^2/NDF: 978913.8/17

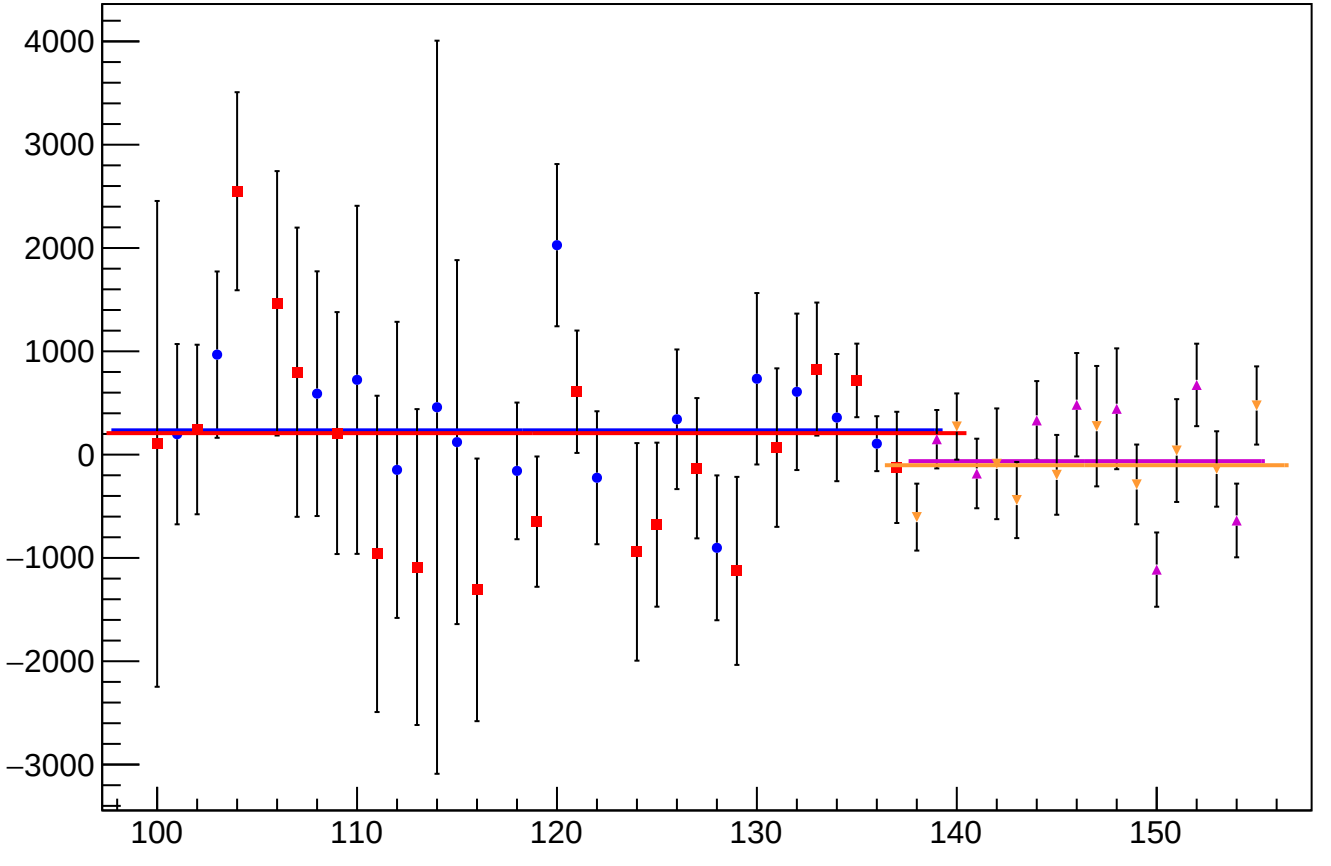
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 369.918+/-0.074 χ^2/NDF:3094936.1/23

Out: 373.083+/-0.071 χ^2/NDF:3178472.3/28

All: 371.547+/-0.051 χ^2/NDF: 6274360.1/52

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -102.541+/-124.052 χ^2/NDF:7.7/9

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -63.292+/-132.401 χ^2/NDF:18.2/7

Left: -84.193+/-90.526 χ^2/NDF: 26.0/17

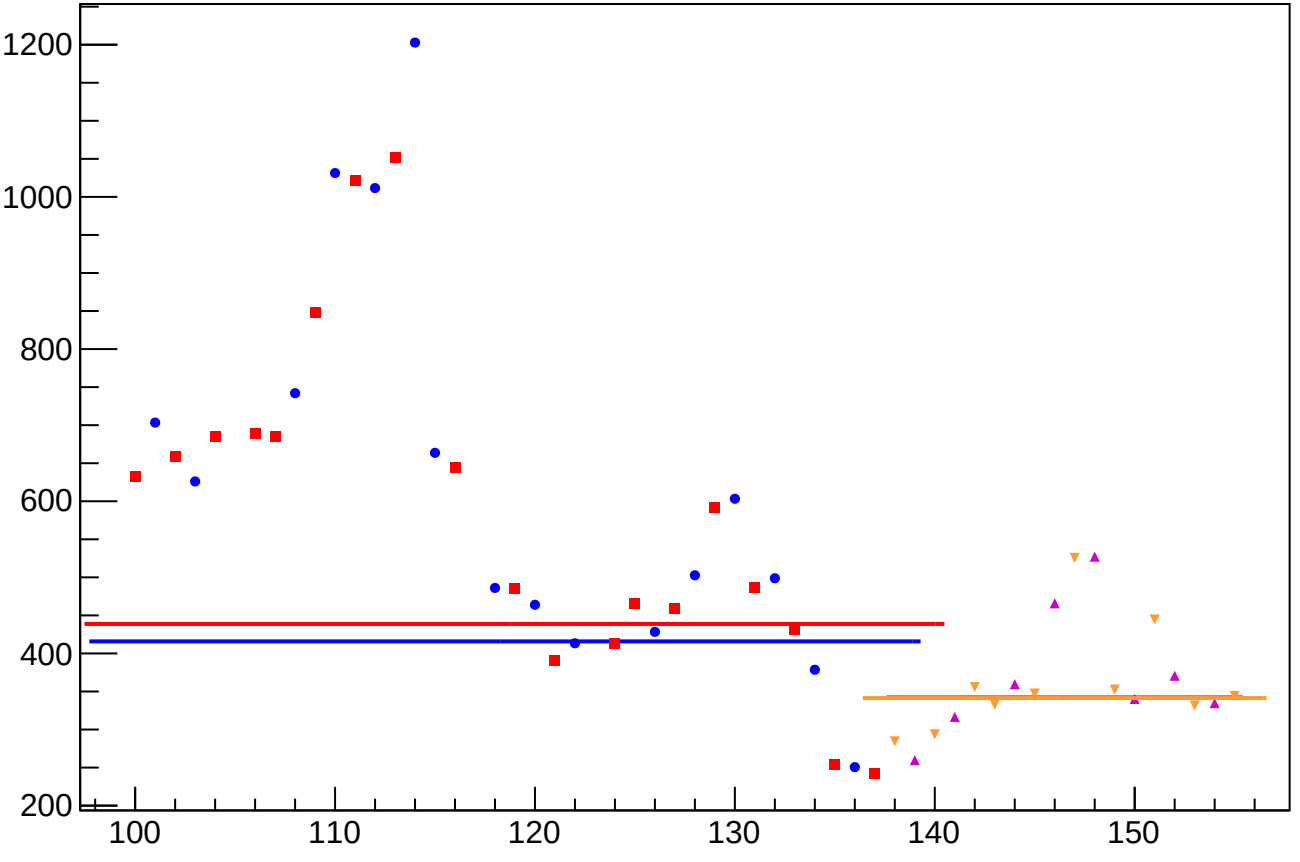
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 50.849+/-104.036 χ^2/NDF:30.9/23

Out: 1.520+/-101.149 χ^2/NDF:30.2/28

All: 25.491+/-72.522 χ^2/NDF: 61.2/52

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 341.360+/-0.088 χ^2/NDF:398261.5/9

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 342.253+/-0.094 χ^2/NDF:519234.3/7

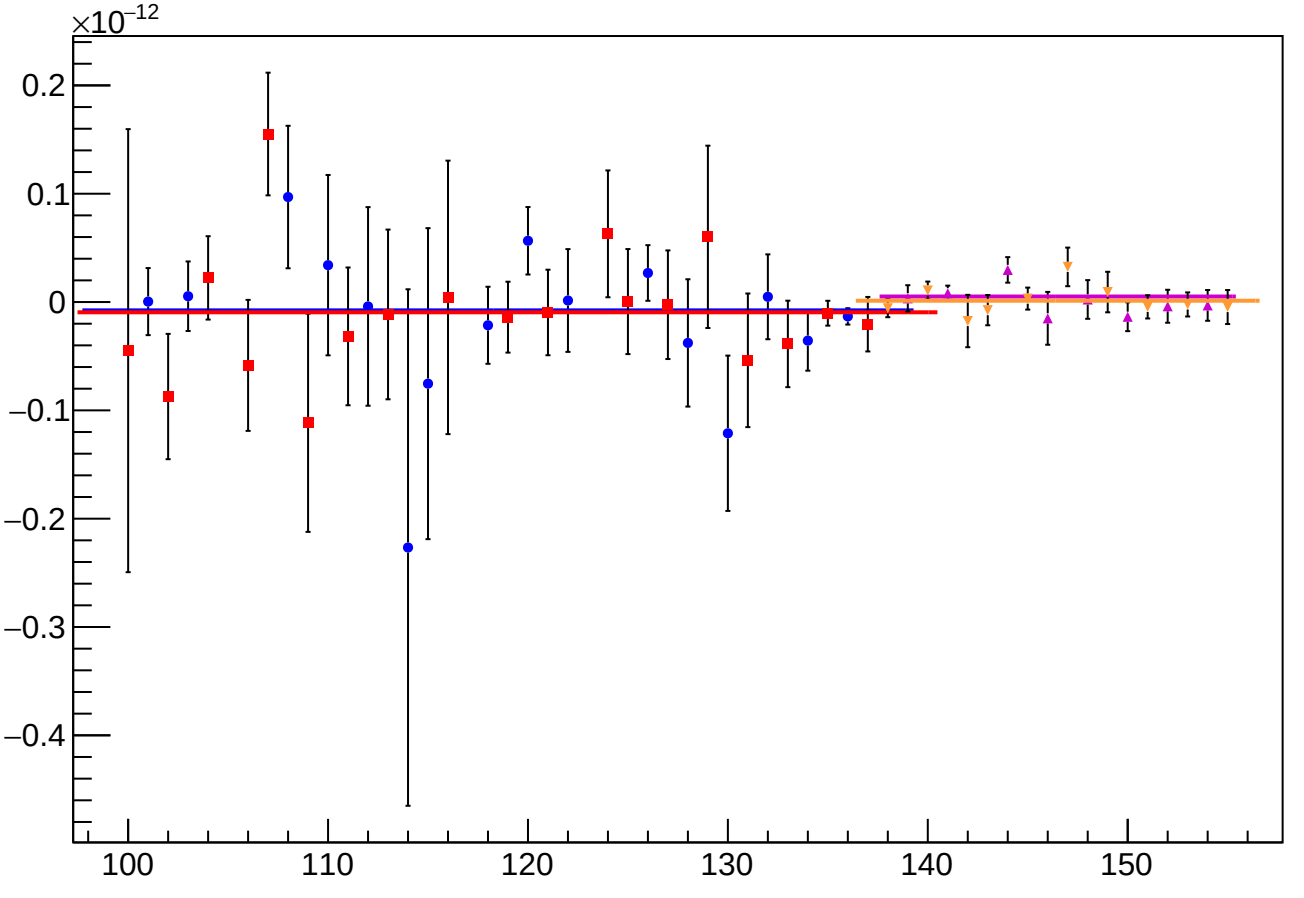
Left: 341.778+/-0.064 χ^2/NDF: 917544.3/17

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 370.406+/-0.074 χ^2/NDF:2979537.6/23

Out: 374.010+/-0.072 χ^2/NDF:3046380.9/28

All: 372.258+/-0.051 χ^2/NDF: 6027152.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.9/7

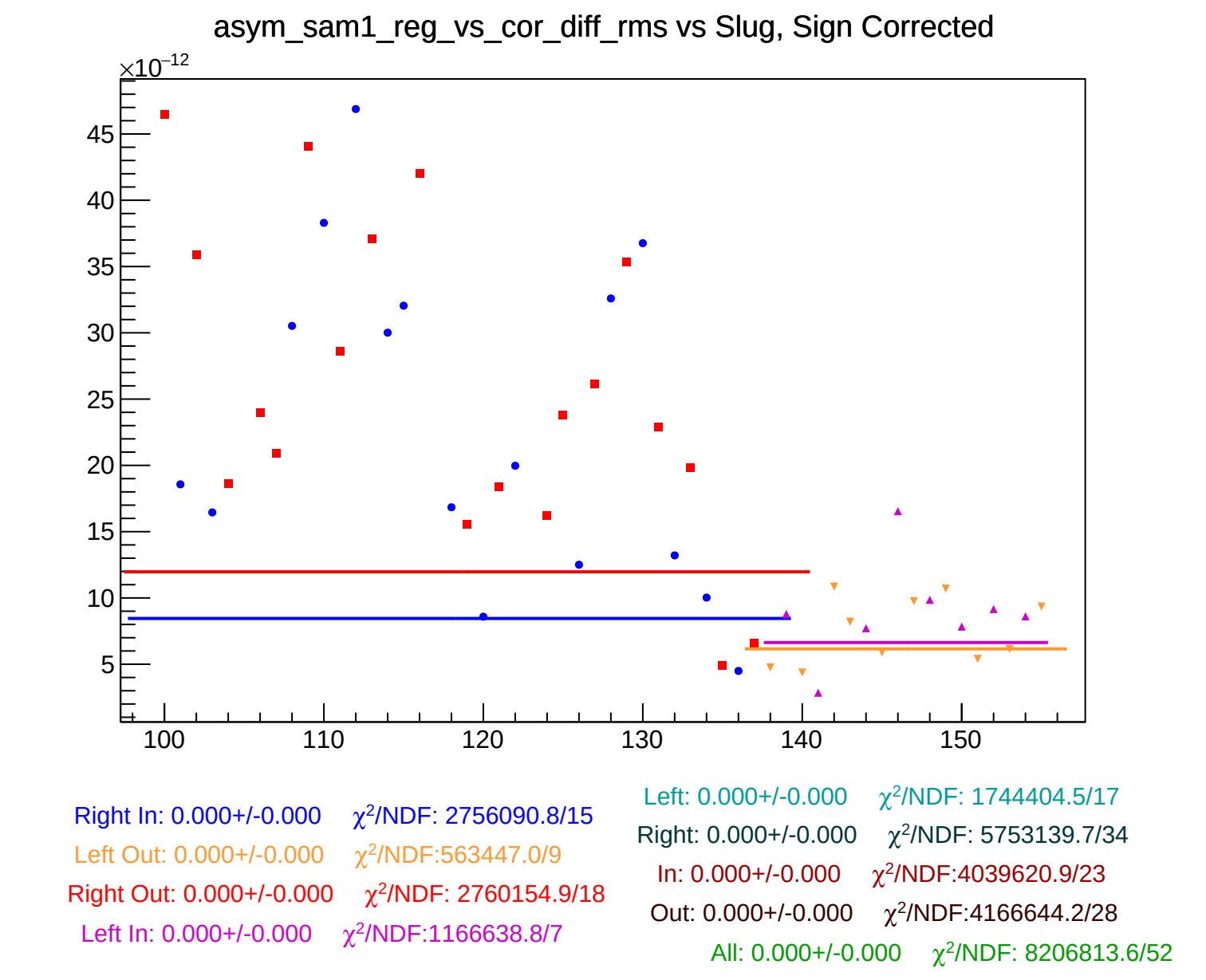
Left: 0.000+/-0.000 χ^2/NDF: 15.2/17

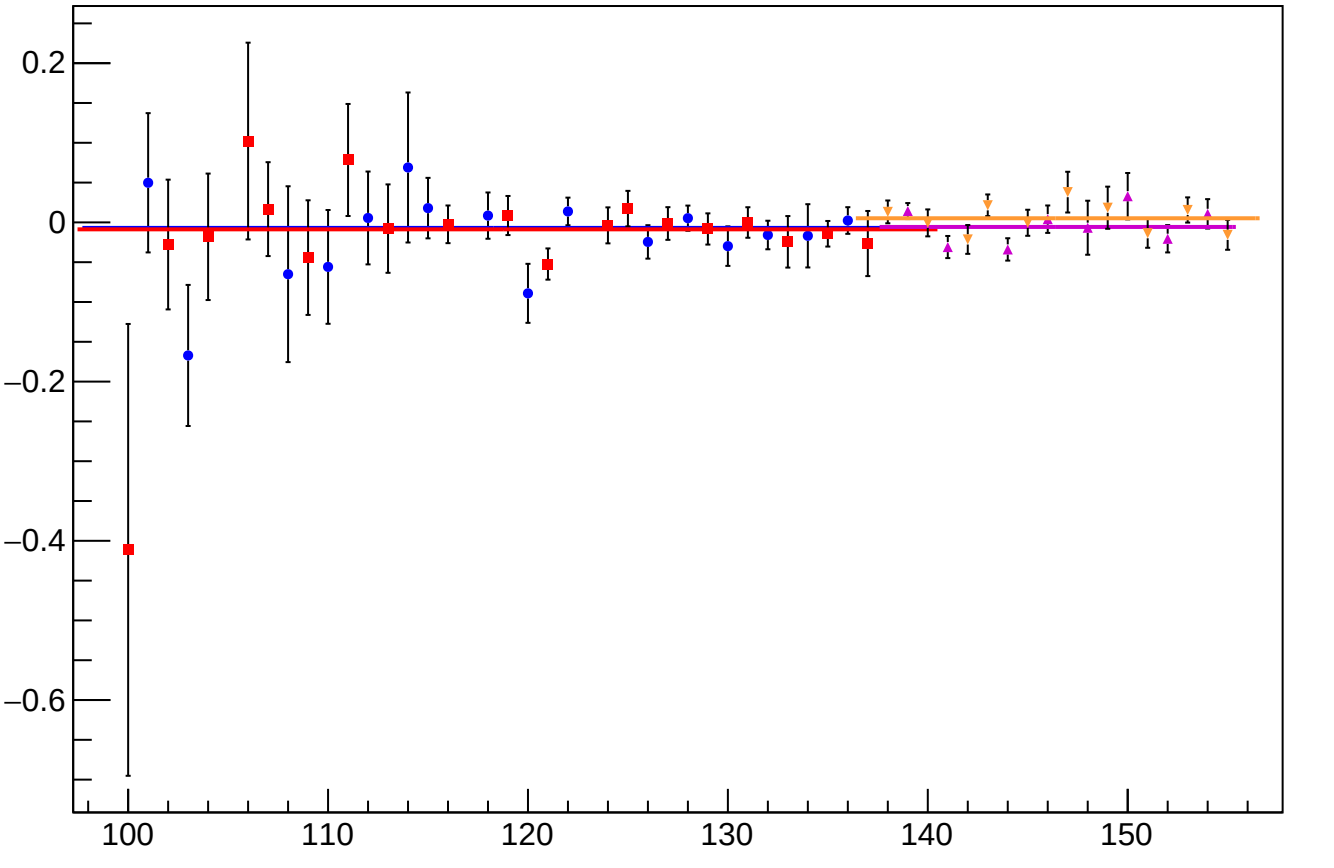
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:25.5/23

Out: -0.000+/-0.000 χ^2/NDF:24.6/28

All: 0.000+/-0.000 χ^2/NDF: 50.2/52


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:563447.0/9
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1166638.8/7
Left: 0.000+/-0.000 χ²/NDF: 1744404.5/17
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4039620.9/23
Out: 0.000+/-0.000 χ²/NDF:4166644.2/28
All: 0.000+/-0.000 χ²/NDF: 8206813.6/52



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.005 χ^2/NDF:8.8/9

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.006 χ^2/NDF:14.9/7

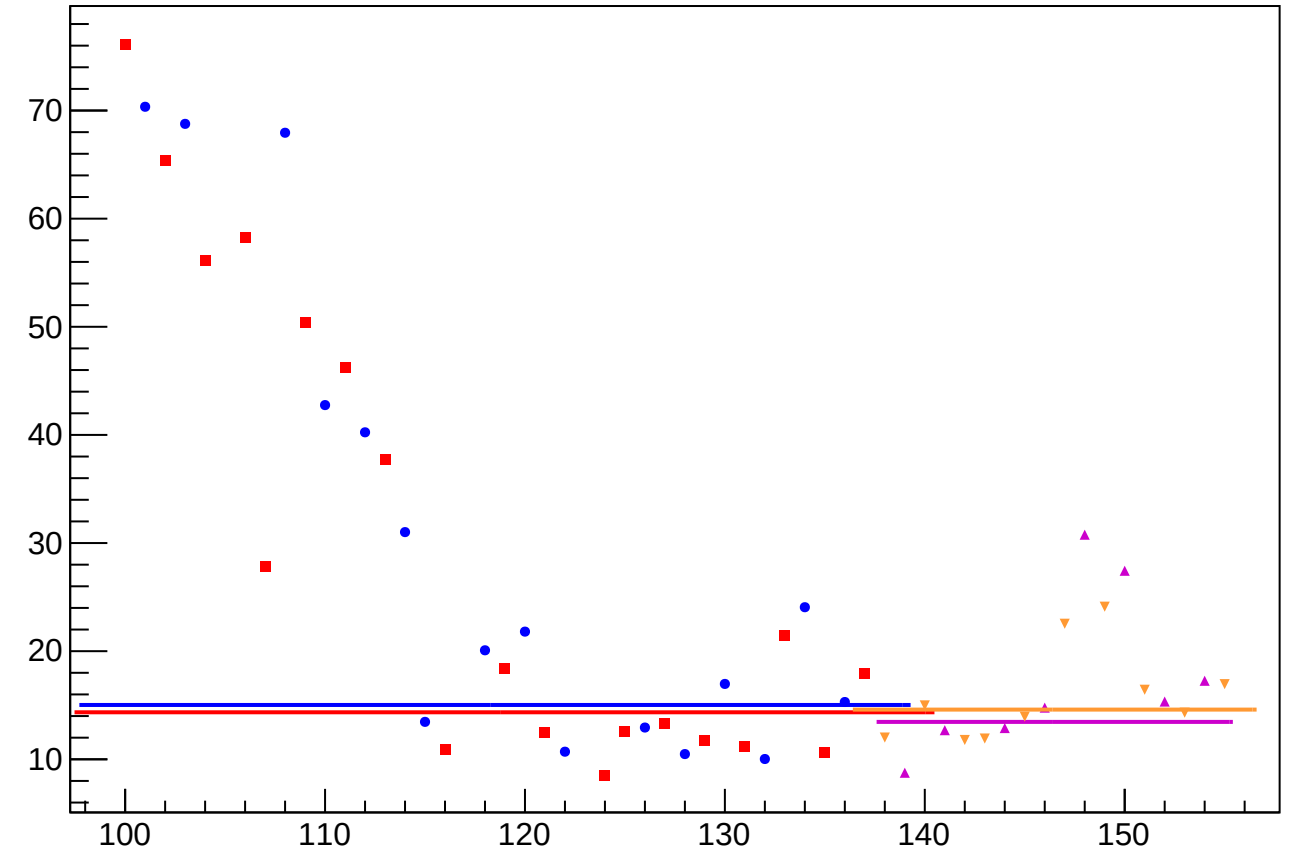
Left: -0.000+/-0.004 χ^2/NDF: 25.6/17

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.006+/-0.004 χ^2/NDF:29.9/23

Out: -0.001+/-0.004 χ^2/NDF:24.1/28

All: -0.003+/-0.003 χ^2/NDF: 54.9/52



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.597+/-0.004 χ^2/NDF:698022.6/9

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.459+/-0.004 χ^2/NDF:1549805.6/7

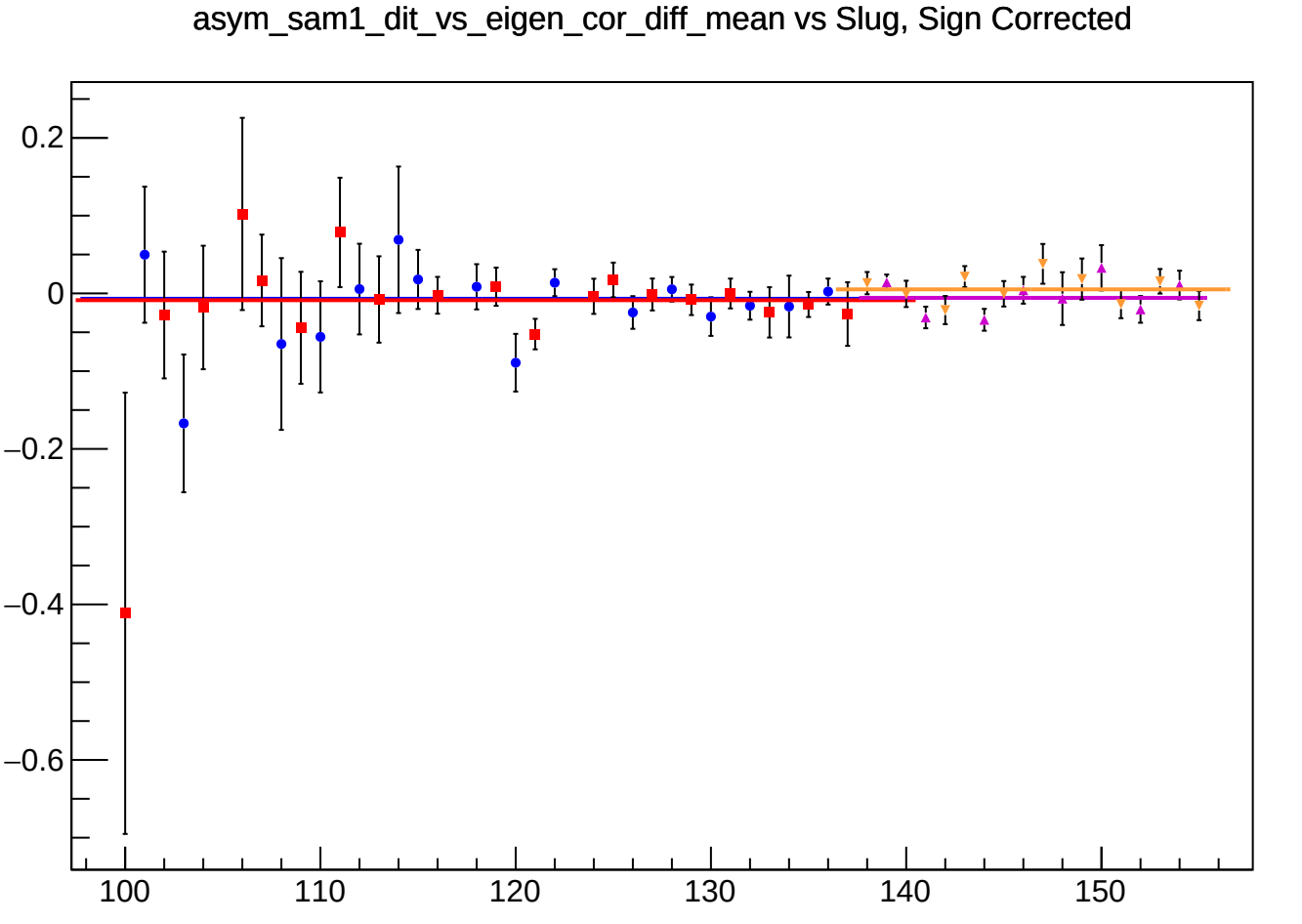
Left: 14.041+/-0.003 χ^2/NDF: 2290032.1/17

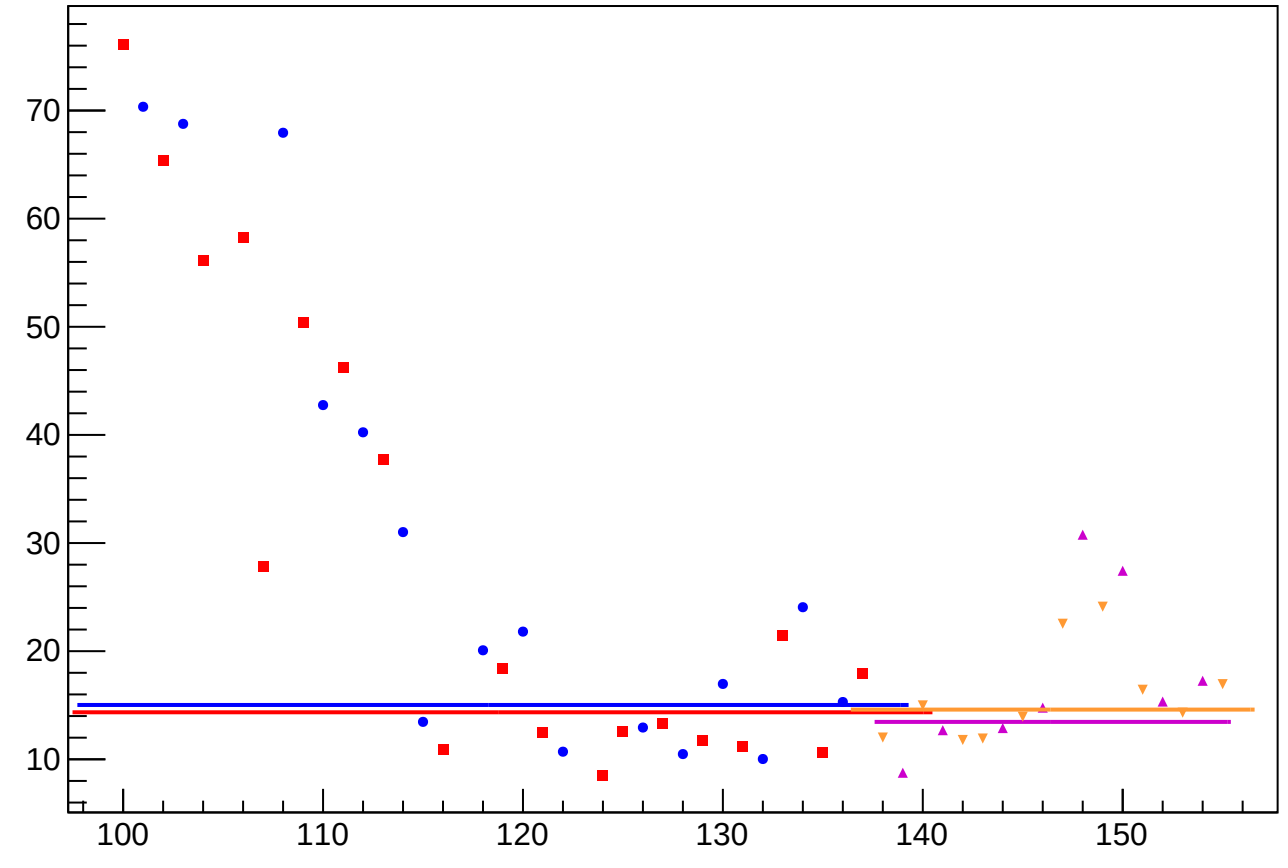
Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.100+/-0.003 χ^2/NDF:5052060.3/23

Out: 14.492+/-0.003 χ^2/NDF:4328787.6/28

All: 14.302+/-0.002 χ^2/NDF: 9389427.2/52


asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.005+/-0.005 χ²/NDF:8.8/9
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.006+/-0.006 χ²/NDF:14.9/7
Left: -0.000+/-0.004 χ²/NDF: 25.6/17
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.006+/-0.004 χ²/NDF:29.9/23
Out: -0.001+/-0.004 χ²/NDF:24.1/28
All: -0.003+/-0.003 χ²/NDF: 54.9/52



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.597+/-0.004 χ^2/NDF:698022.6/9

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.459+/-0.004 χ^2/NDF:1549805.6/7

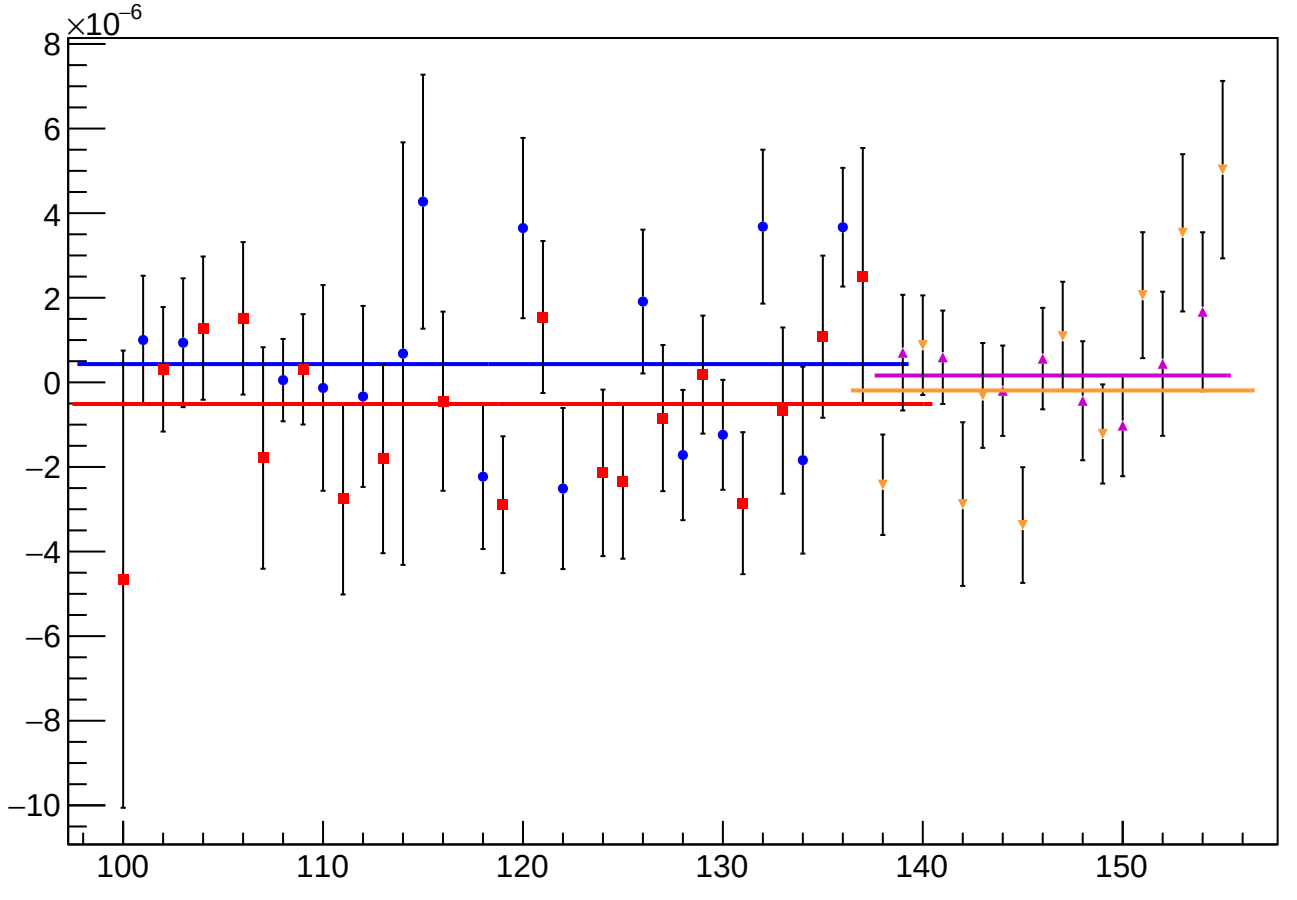
Left: 14.041+/-0.003 χ^2/NDF: 2290032.1/17

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.100+/-0.003 χ^2/NDF:5052060.3/23

Out: 14.492+/-0.003 χ^2/NDF:4328787.6/28

All: 14.302+/-0.002 χ^2/NDF: 9389427.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/9

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2.4/7

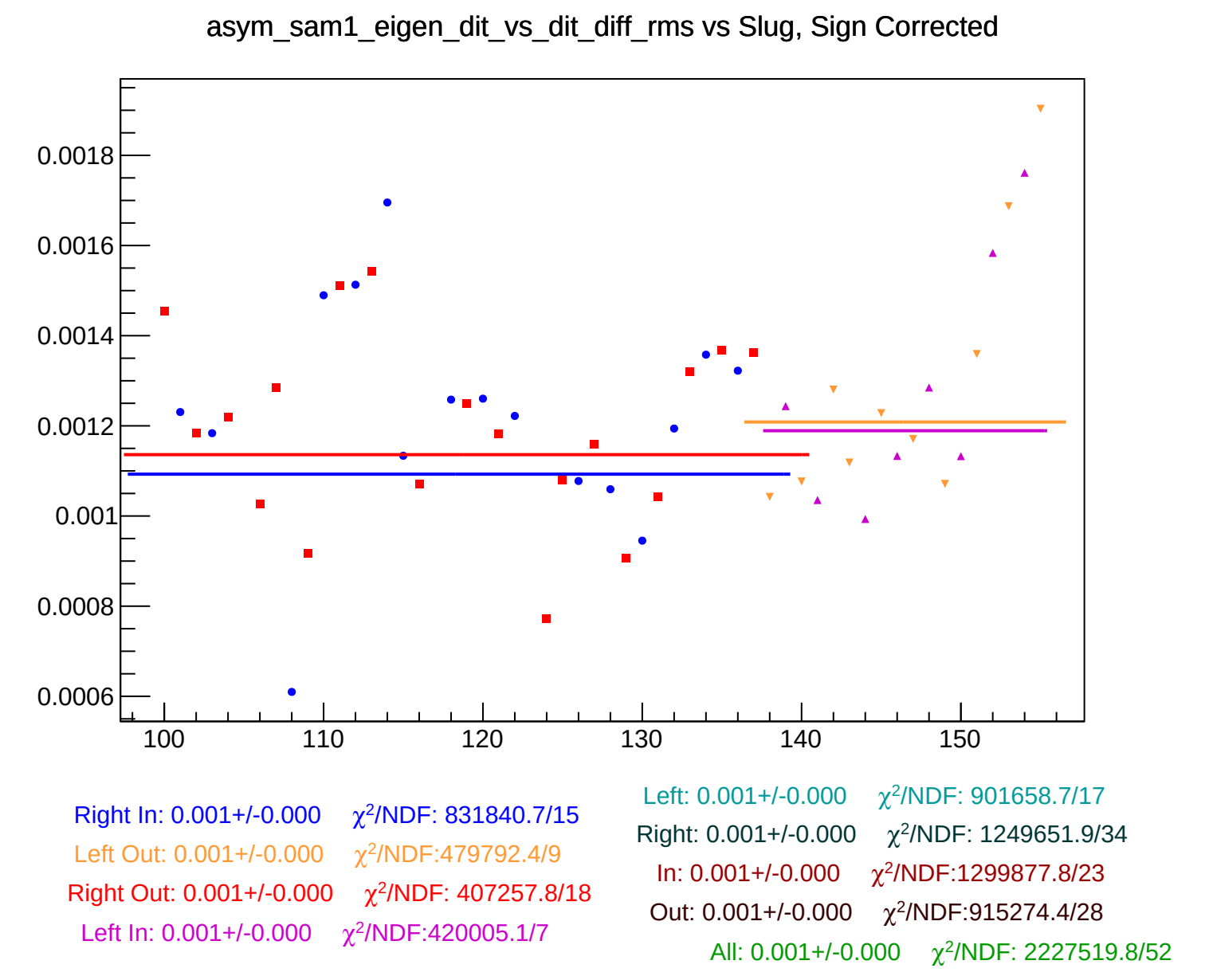
Left: -0.000+/-0.000 χ^2/NDF: 28.6/17

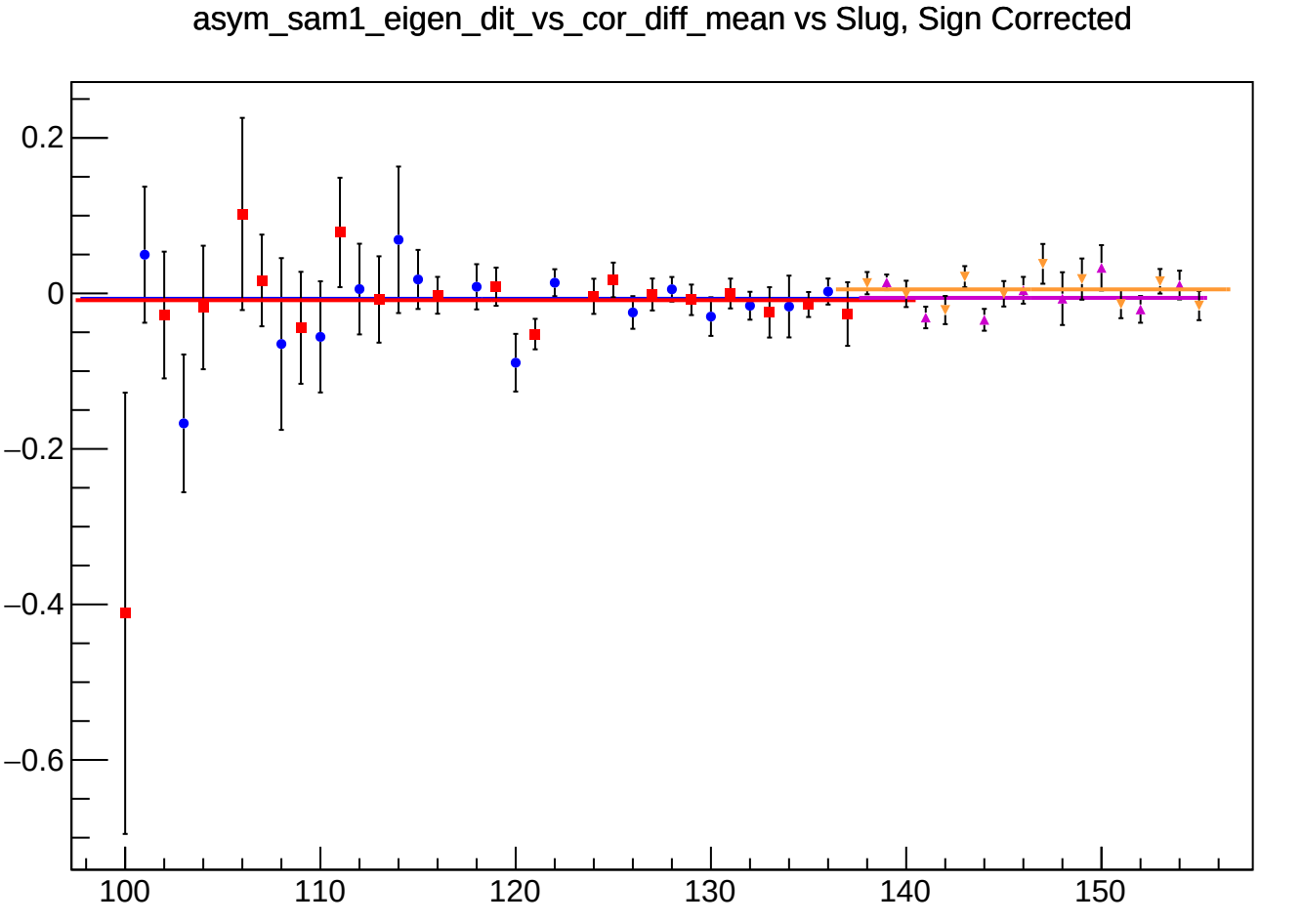
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

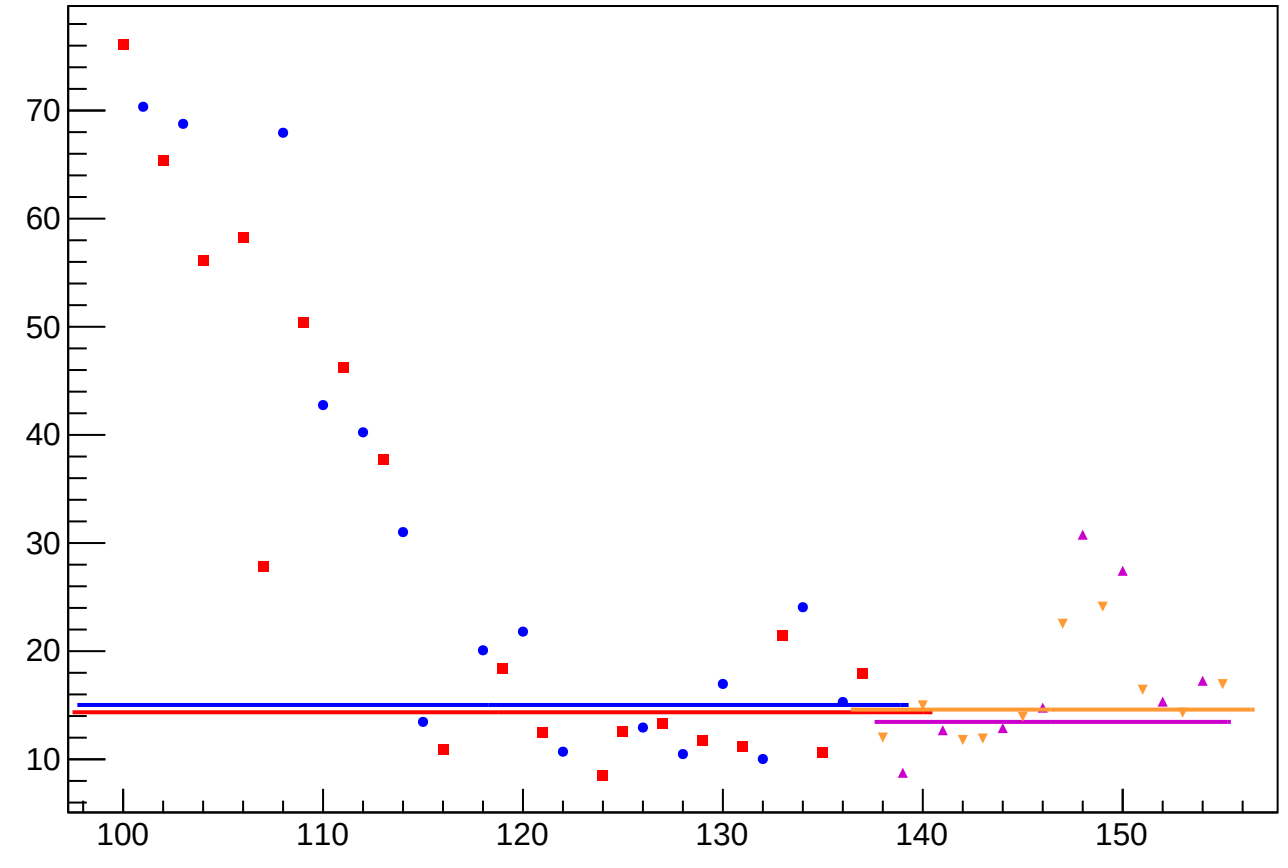
In: 0.000+/-0.000 χ^2/NDF:25.8/23

Out: -0.000+/-0.000 χ^2/NDF:40.5/28

All: -0.000+/-0.000 χ^2/NDF: 68.7/52


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:479792.4/9
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:420005.1/7
Left: 0.001+/-0.000 χ²/NDF: 901658.7/17
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1299877.8/23
Out: 0.001+/-0.000 χ²/NDF:915274.4/28
All: 0.001+/-0.000 χ²/NDF: 2227519.8/52


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: 0.005+/-0.005 χ²/NDF:8.8/9
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.006+/-0.006 χ²/NDF:14.9/7
Left: -0.000+/-0.004 χ²/NDF: 25.6/17
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.006+/-0.004 χ²/NDF:29.9/23
Out: -0.001+/-0.004 χ²/NDF:24.1/28
All: -0.003+/-0.003 χ²/NDF: 54.9/52



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.597+/-0.004 χ^2/NDF:698014.9/9

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.459+/-0.004 χ^2/NDF:1549835.9/7

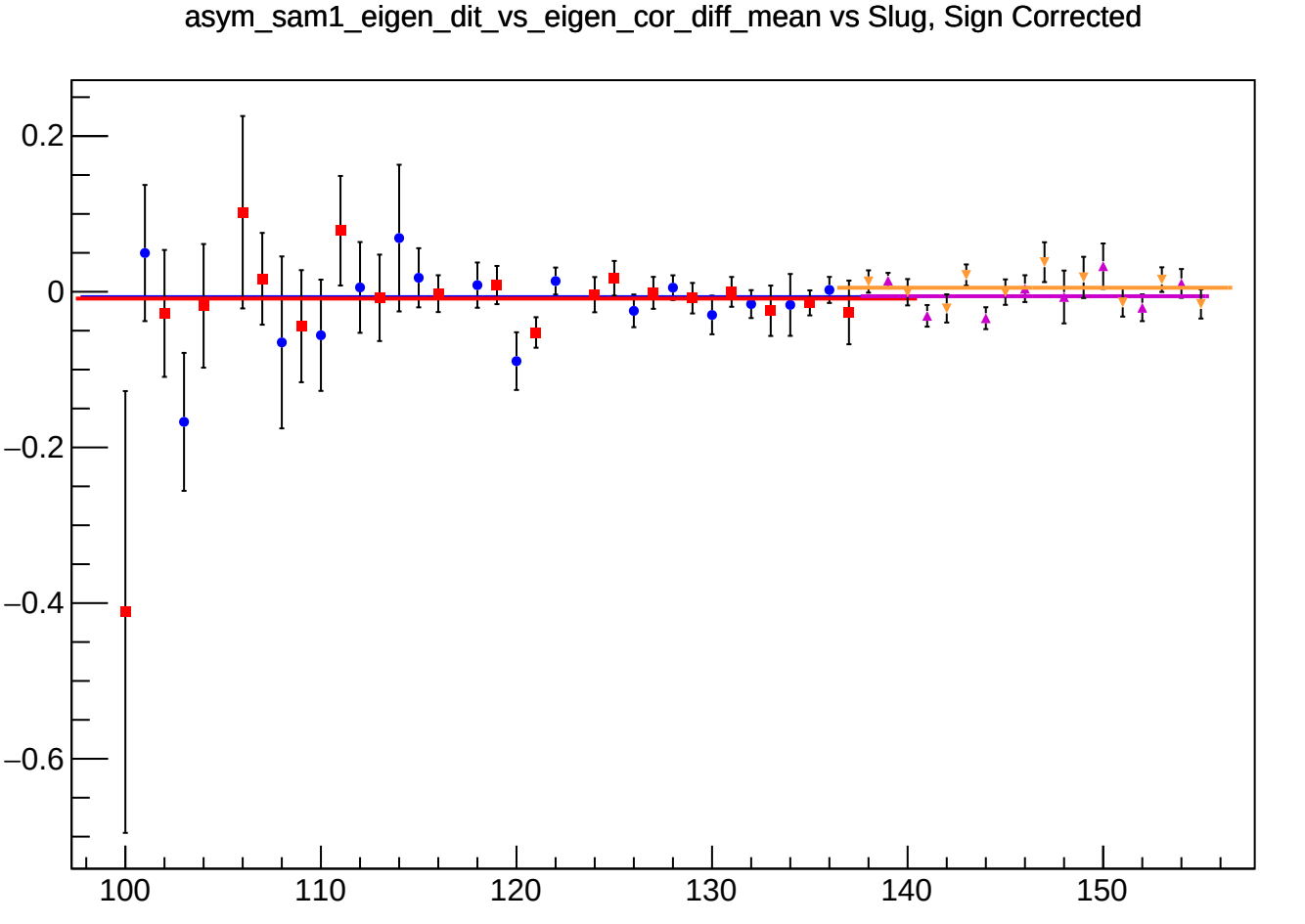
Left: 14.041+/-0.003 χ^2/NDF: 2290059.3/17

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

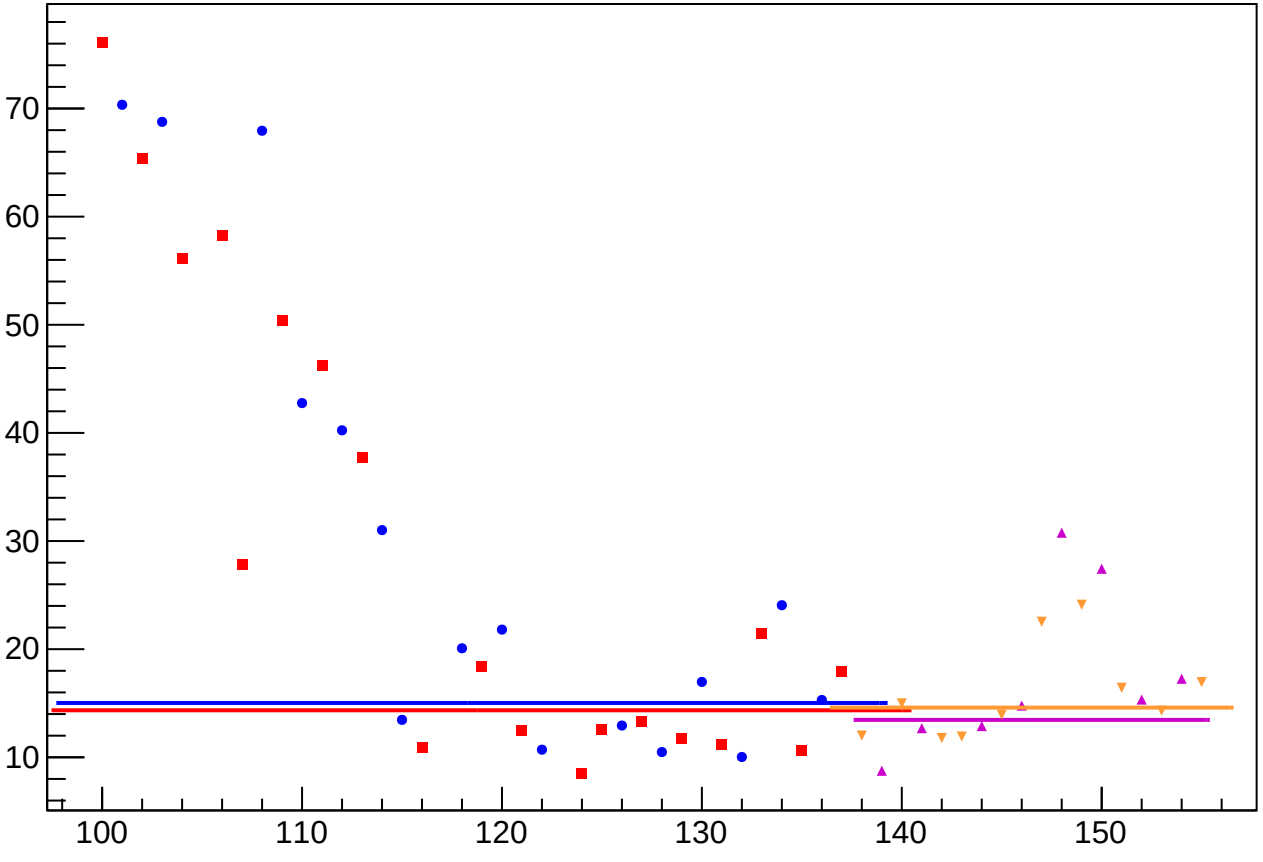
In: 14.099+/-0.003 χ^2/NDF:5052093.8/23

Out: 14.491+/-0.003 χ^2/NDF:4328772.3/28

All: 14.302+/-0.002 χ^2/NDF: 9389448.2/52


asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.005+/-0.005 χ²/NDF:8.8/9
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.006+/-0.006 χ²/NDF:14.9/7
Left: -0.000+/-0.004 χ²/NDF: 25.6/17
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.006+/-0.004 χ²/NDF:29.9/23
Out: -0.001+/-0.004 χ²/NDF:24.1/28
All: -0.003+/-0.003 χ²/NDF: 54.9/52

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: 14.597+/-0.004 χ^2/NDF:698014.9/9

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.459+/-0.004 χ^2/NDF:1549835.9/7

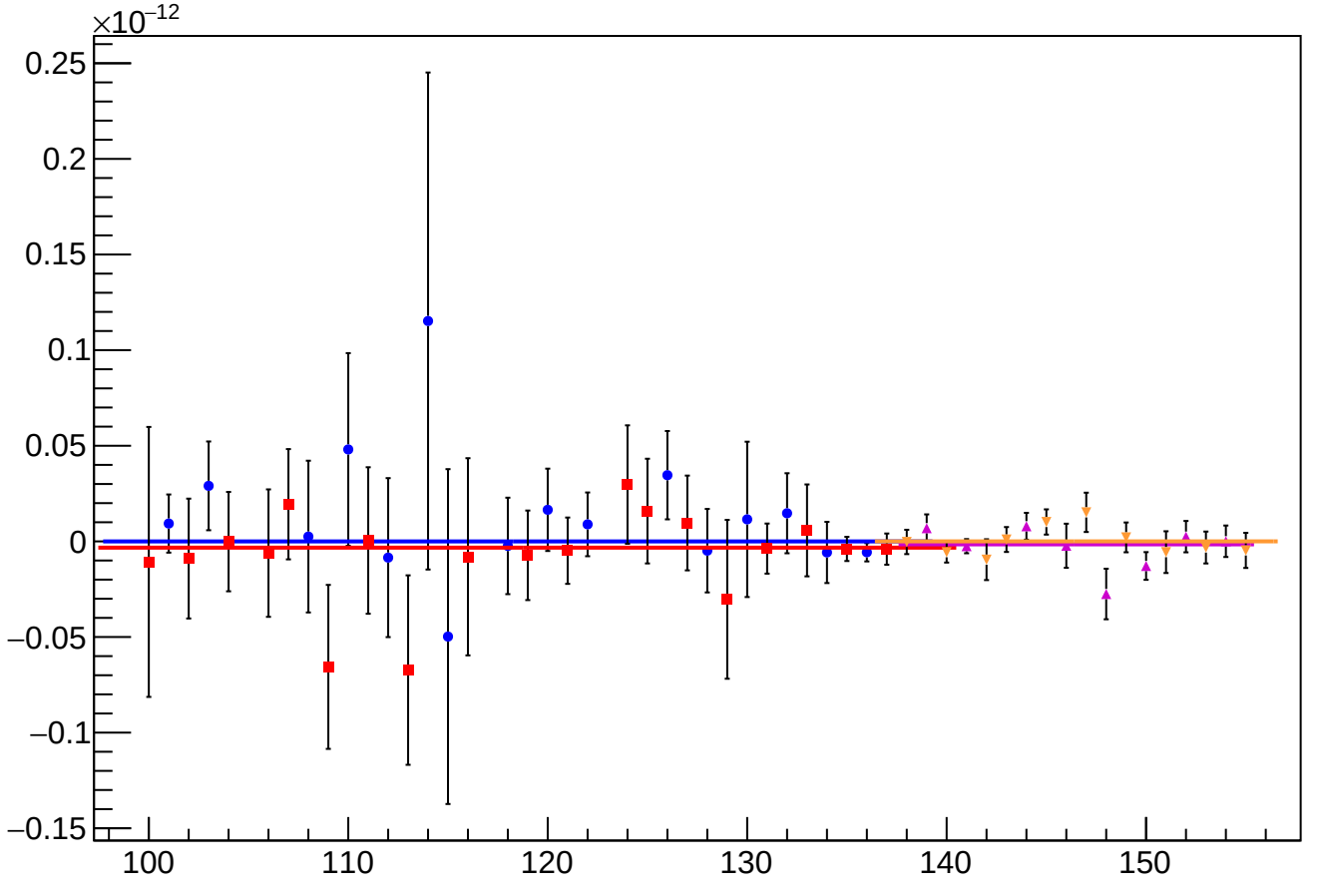
Left: 14.041+/-0.003 χ^2/NDF: 2290059.3/17

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.099+/-0.003 χ^2/NDF:5052093.8/23

Out: 14.491+/-0.003 χ^2/NDF:4328772.3/28

All: 14.302+/-0.002 χ^2/NDF: 9389448.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.8/7

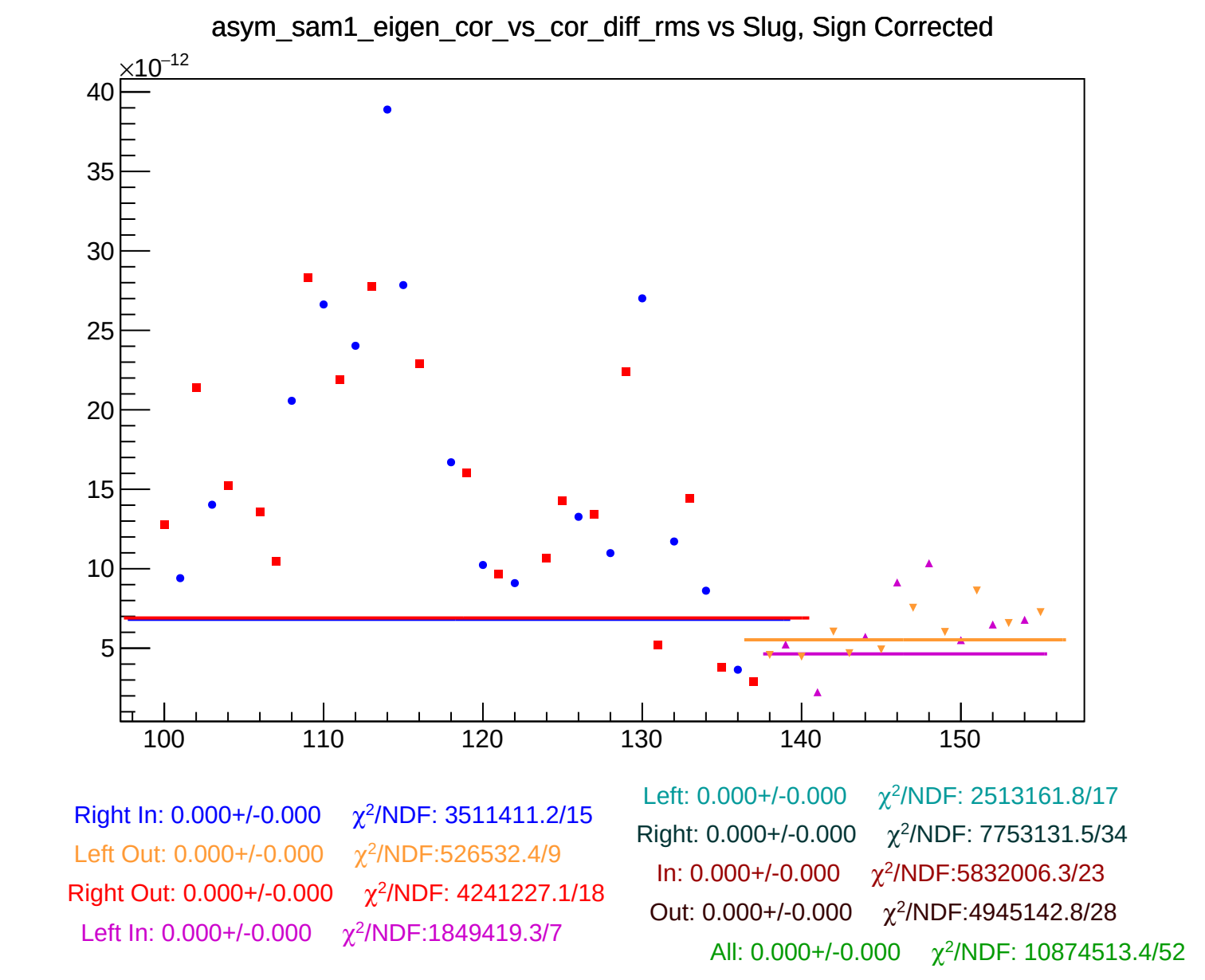
Left: -0.000+/-0.000 χ^2/NDF: 17.3/17

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

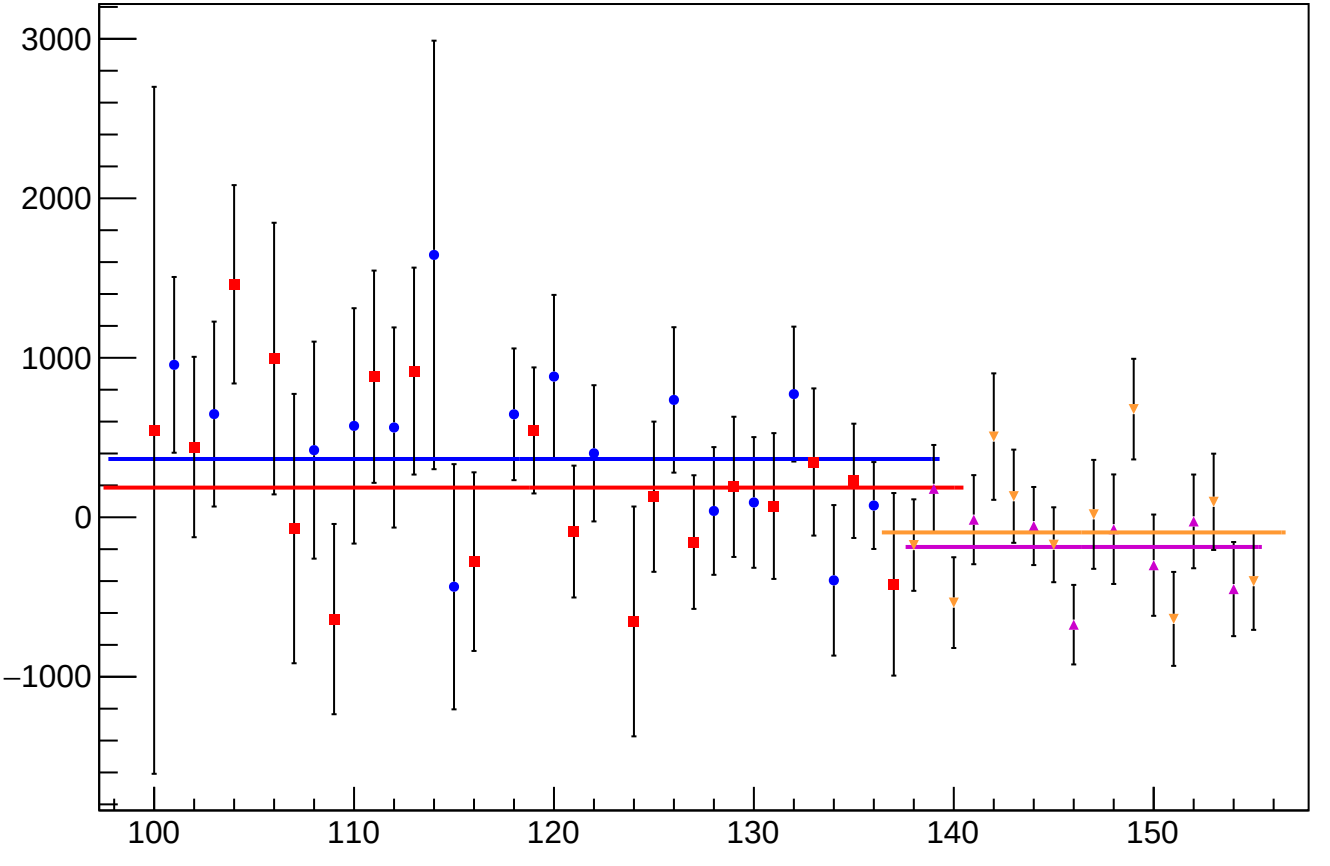
In: -0.000+/-0.000 χ^2/NDF:19.3/23

Out: -0.000+/-0.000 χ^2/NDF:14.7/28

All: -0.000+/-0.000 χ^2/NDF: 34.0/52


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:526532.4/9
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:1849419.3/7
Left: 0.000+/-0.000 χ²/NDF: 2513161.8/17
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:5832006.3/23
Out: 0.000+/-0.000 χ²/NDF:4945142.8/28
All: 0.000+/-0.000 χ²/NDF: 10874513.4/52

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -94.942+/-94.259 χ^2/NDF:16.4/9

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -186.040+/-99.871 χ^2/NDF:7.6/7

Left: -137.860+/-68.549 χ^2/NDF: 24.4/17

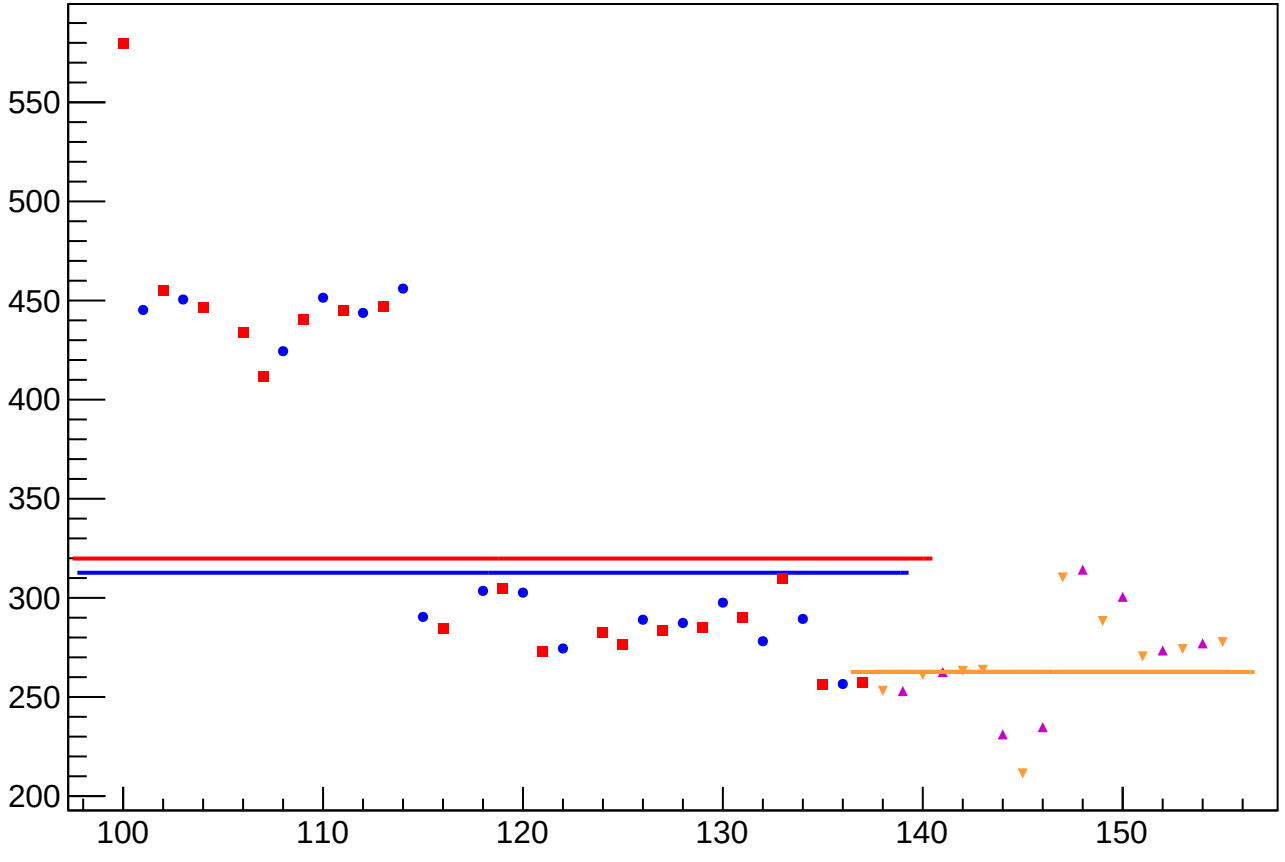
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 42.193+/-76.466 χ^2/NDF:31.7/23

Out: 12.103+/-74.170 χ^2/NDF:34.8/28

All: 26.690+/-53.239 χ^2/NDF: 66.5/52

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 262.607+/-0.067 χ^2/NDF:158754.2/9

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 262.670+/-0.071 χ^2/NDF:141673.5/7

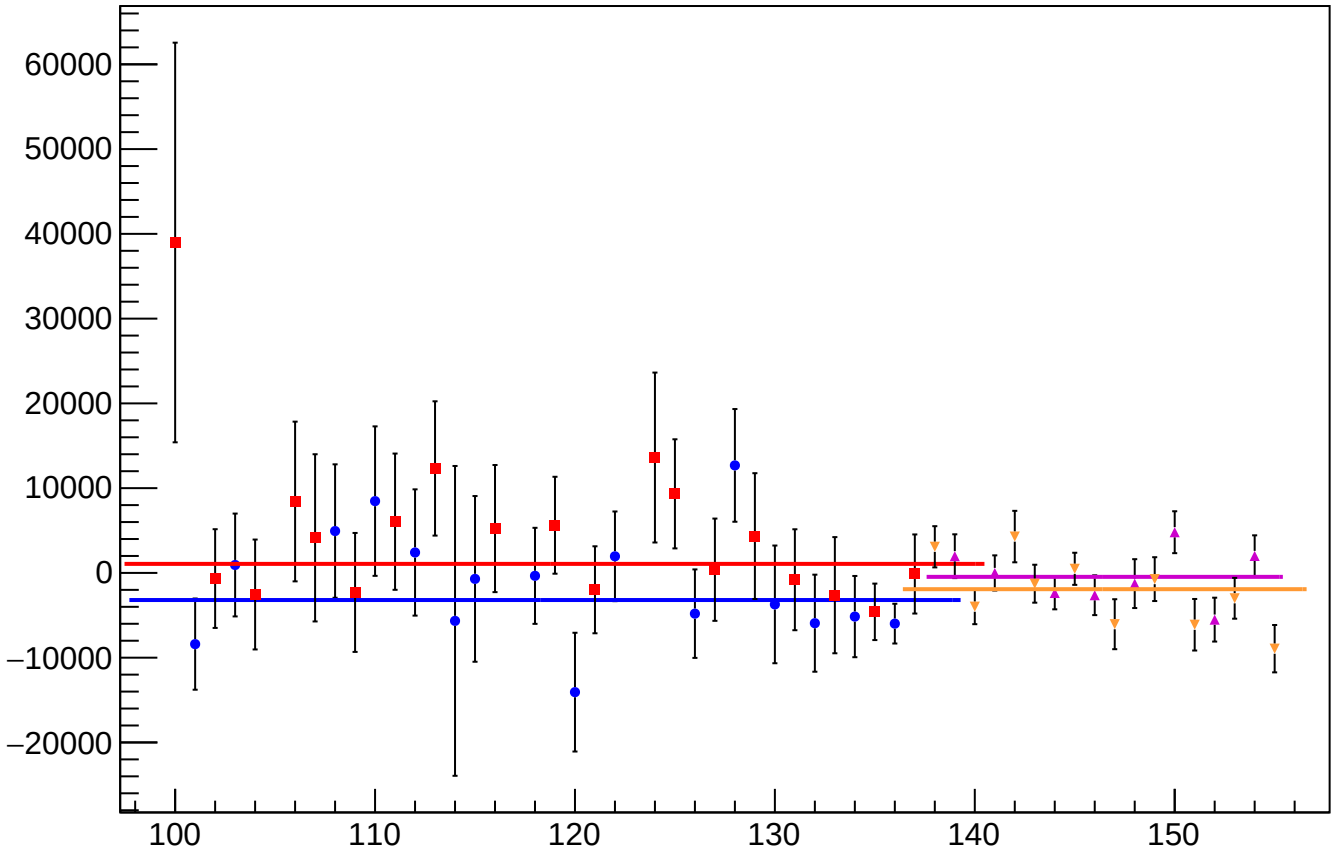
Left: 262.637+/-0.048 χ^2/NDF: 300428.1/17

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 283.364+/-0.054 χ^2/NDF:951413.5/23

Out: 284.404+/-0.052 χ^2/NDF:1137445.1/28

All: 283.900+/-0.038 χ^2/NDF: 2089048.9/52



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1919.358+/-775.246 χ^2/NDF:21.7/9

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -464.767+/-834.901 χ^2/NDF:12.2/7

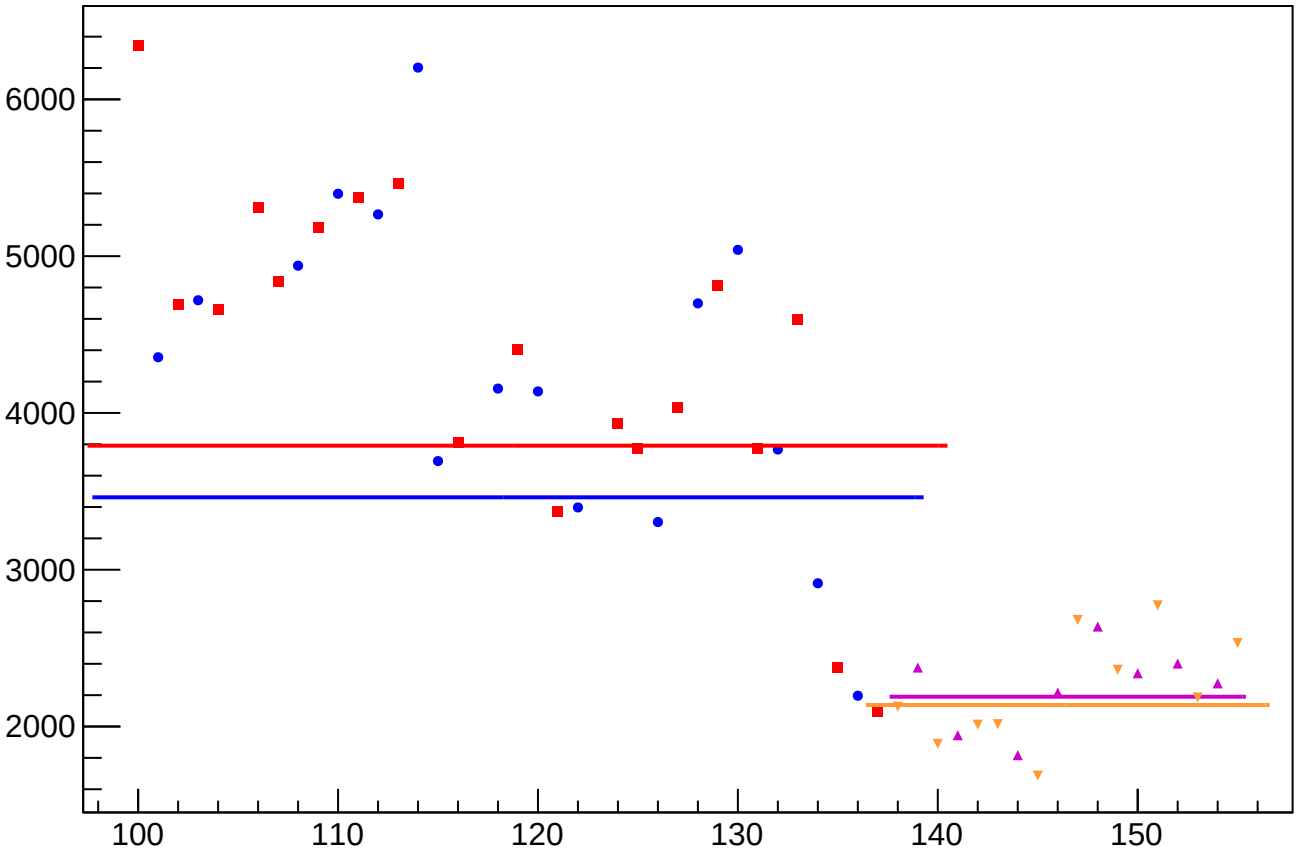
Left: -1245.880+/-568.102 χ^2/NDF: 35.5/17

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -1218.064+/-710.632 χ^2/NDF:31.3/23

Out: -1250.933+/-682.963 χ^2/NDF:39.4/28

All: -1235.151+/-492.419 χ^2/NDF: 70.7/52



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2137.432+/-0.548 χ^2/NDF:362198.2/9

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2190.067+/-0.590 χ^2/NDF:184665.6/7

Left: 2161.802+/-0.402 χ^2/NDF: 551132.3/17

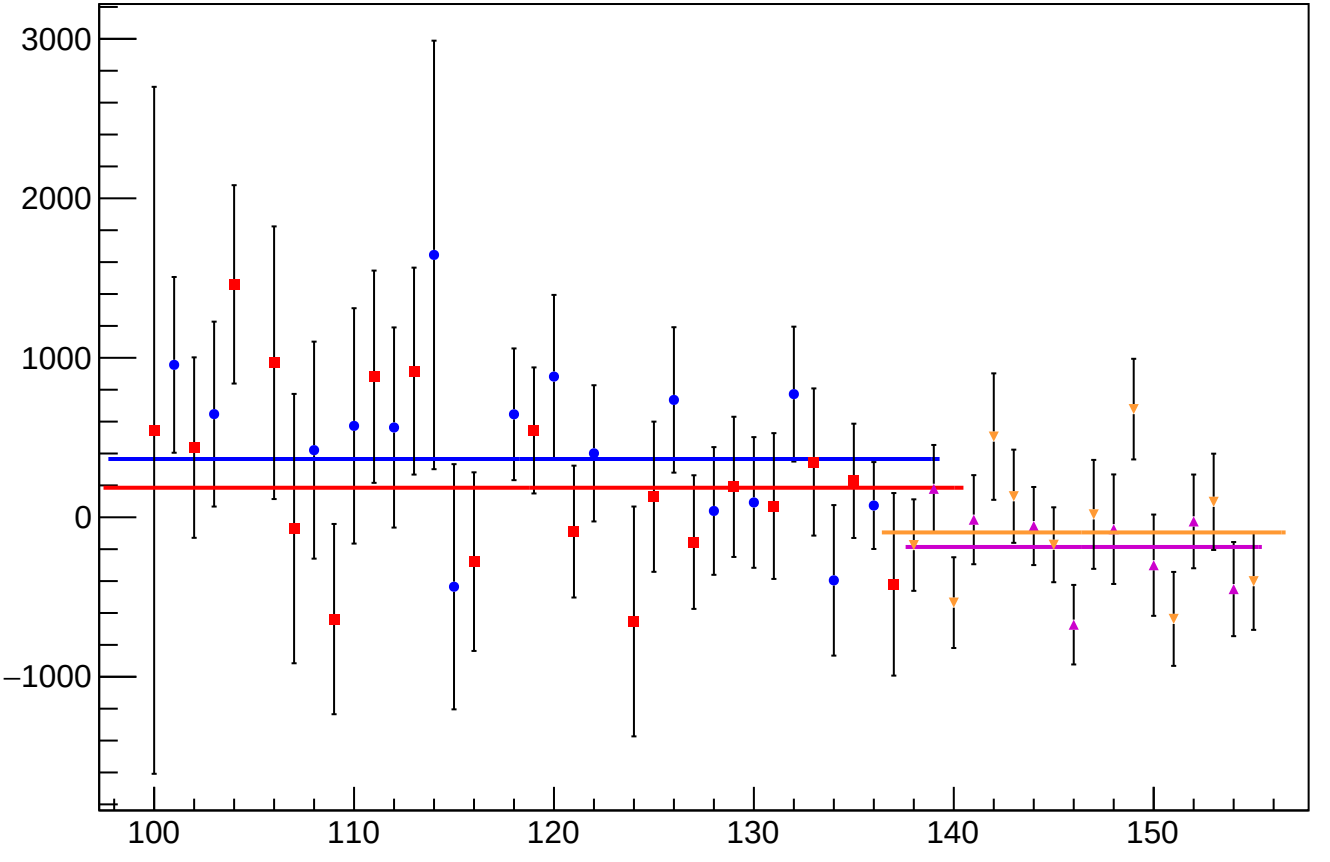
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2540.505+/-0.502 χ^2/NDF:2773069.8/23

Out: 2507.722+/-0.483 χ^2/NDF:3555786.7/28

All: 2523.463+/-0.348 χ^2/NDF: 6331069.1/52

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -94.938+/-94.259 χ^2/NDF:16.4/9

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -186.039+/-99.871 χ^2/NDF:7.6/7

Left: -137.857+/-68.549 χ^2/NDF: 24.4/17

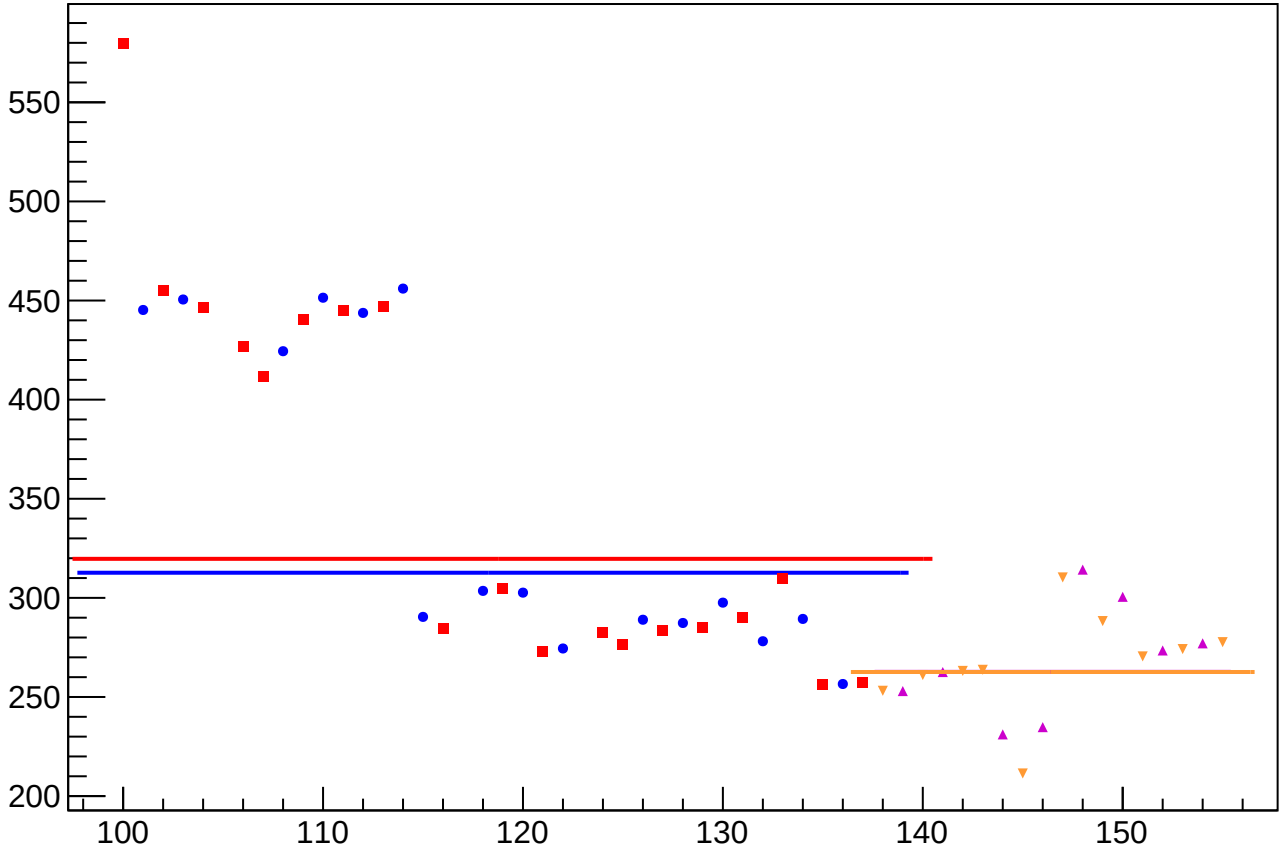
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 42.186+/-76.466 χ^2/NDF:31.7/23

Out: 11.786+/-74.172 χ^2/NDF:34.7/28

All: 26.523+/-53.240 χ^2/NDF: 66.4/52

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 262.607+/-0.067 χ^2/NDF:158754.2/9

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 262.670+/-0.071 χ^2/NDF:141673.5/7

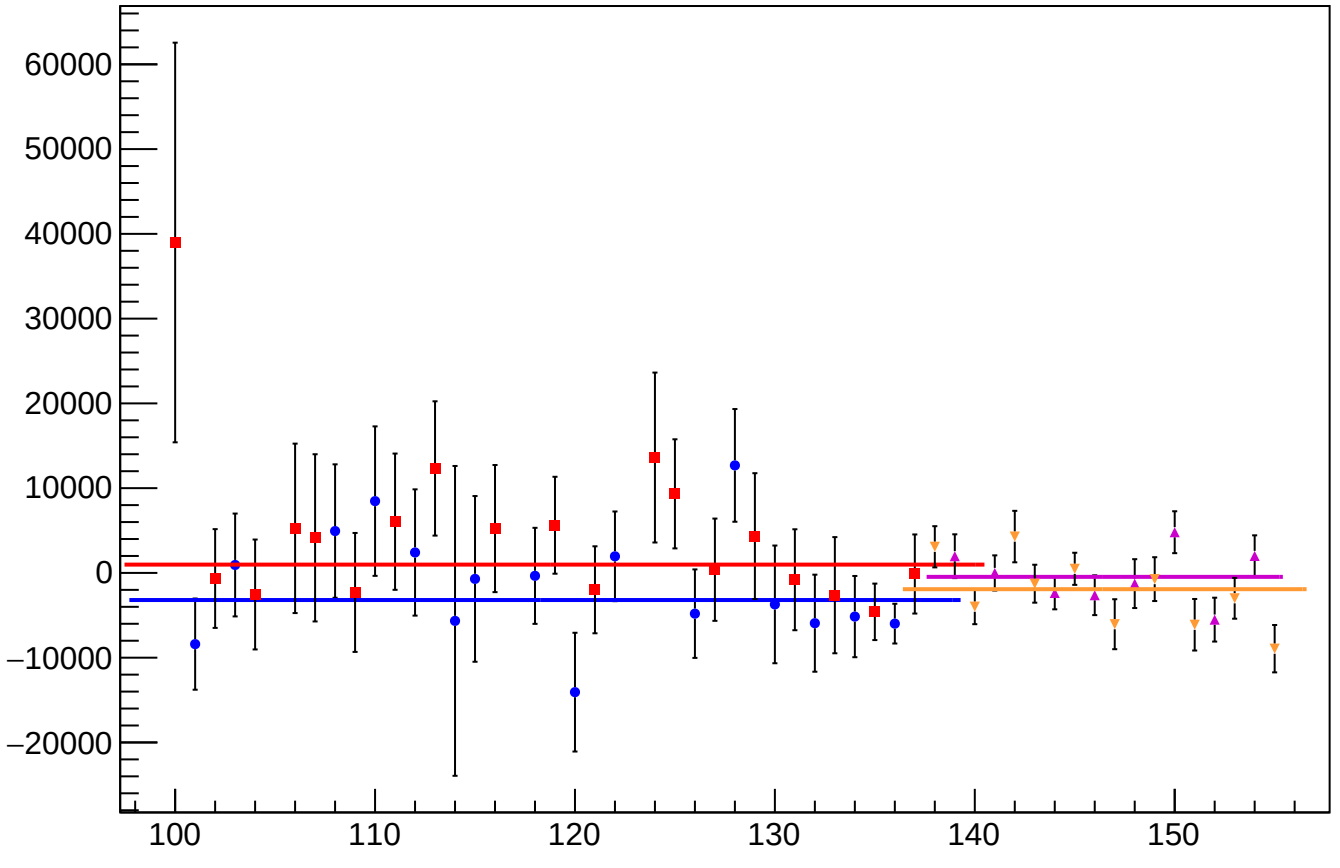
Left: 262.637+/-0.048 χ^2/NDF: 300428.2/17

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 283.364+/-0.054 χ^2/NDF:951415.0/23

Out: 284.345+/-0.052 χ^2/NDF:1131797.3/28

All: 283.869+/-0.038 χ^2/NDF: 2083381.8/52



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1919.352+/-775.246 χ^2/NDF:21.7/9

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -464.759+/-834.901 χ^2/NDF:12.2/7

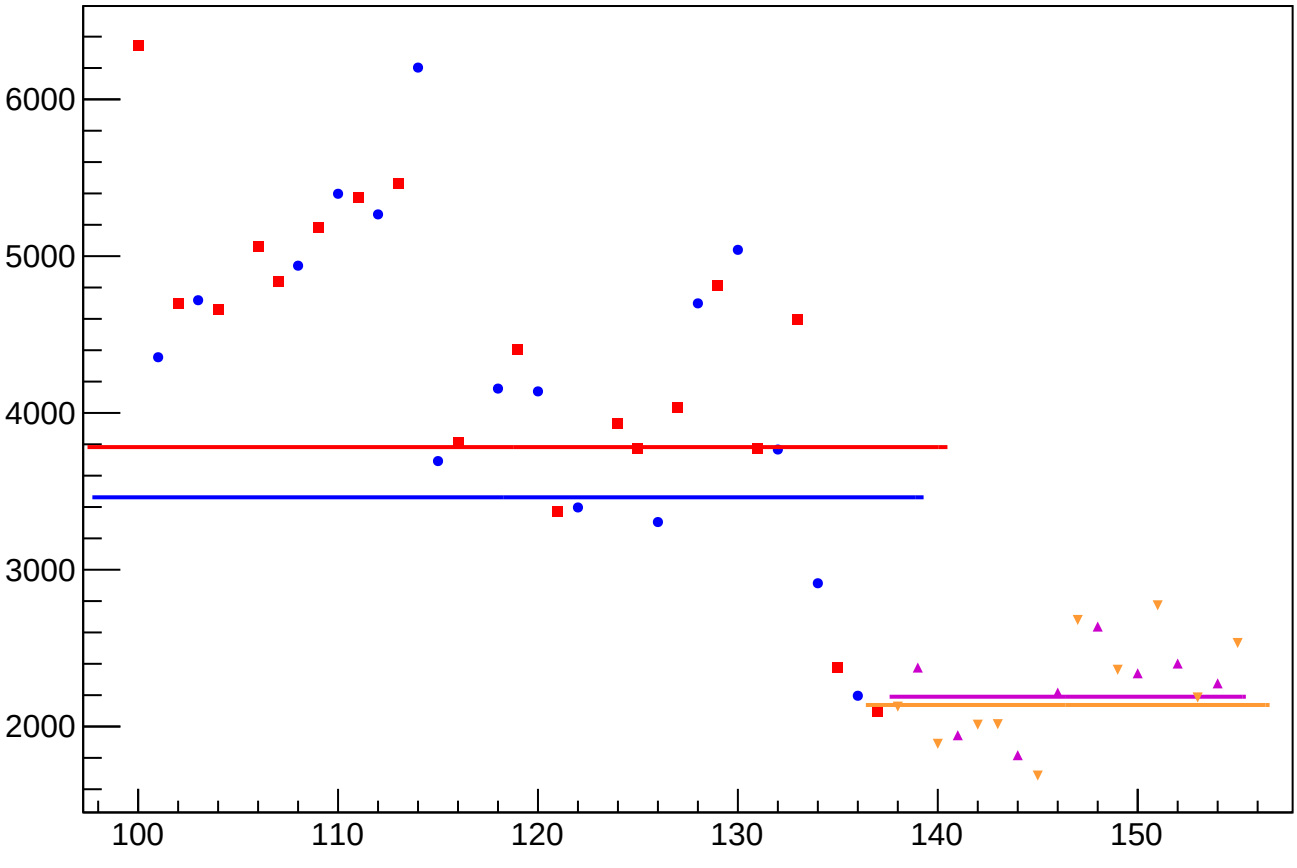
Left: -1245.873+/-568.102 χ^2/NDF: 35.5/17

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1218.037+/-710.632 χ^2/NDF:31.3/23

Out: -1271.313+/-683.168 χ^2/NDF:38.8/28

All: -1245.724+/-492.496 χ^2/NDF: 70.0/52



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2137.432+/-0.548 χ^2/NDF:362199.2/9

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2190.067+/-0.590 χ^2/NDF:184666.2/7

Left: 2161.802+/-0.402 χ^2/NDF: 551134.0/17

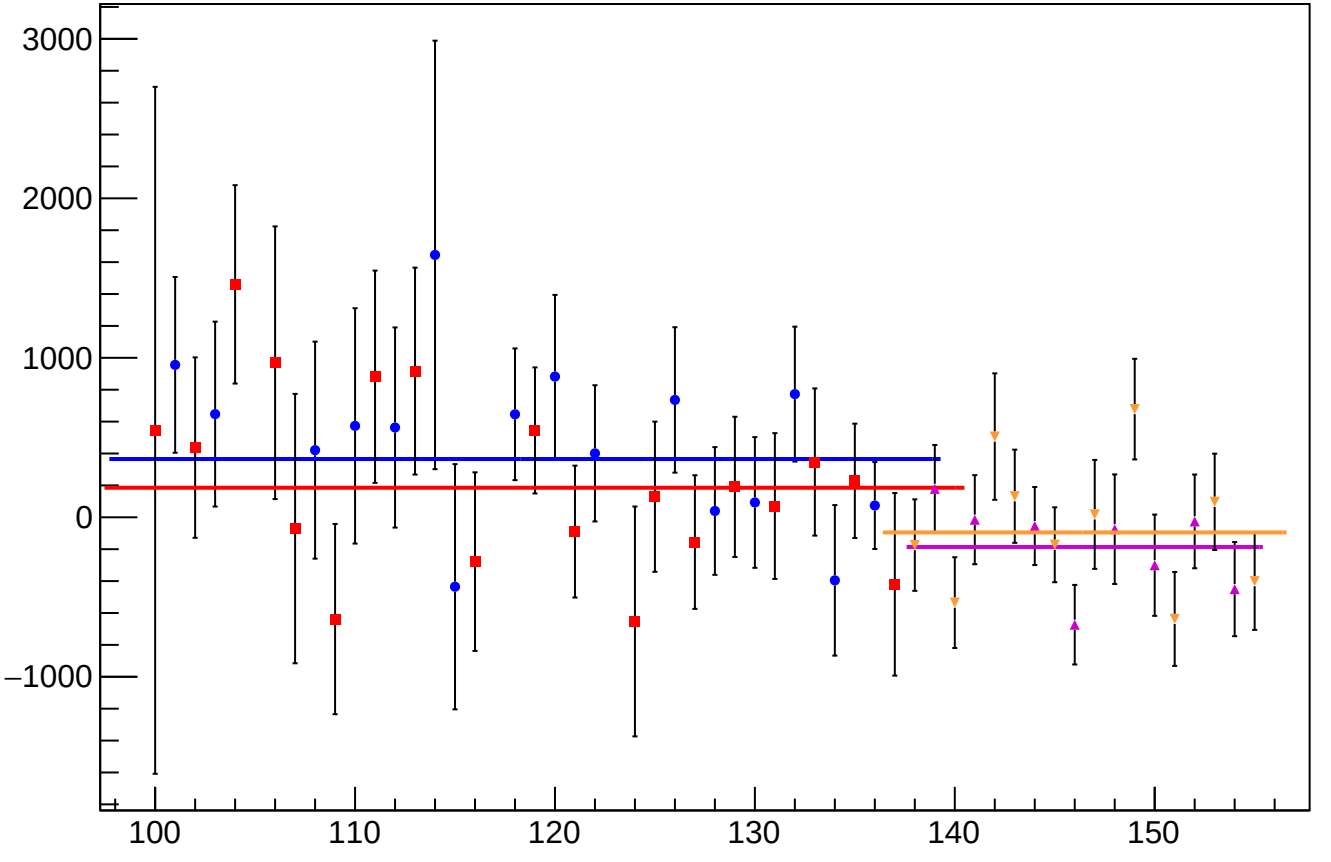
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2540.505+/-0.502 χ^2/NDF:2773090.3/23

Out: 2504.932+/-0.483 χ^2/NDF:3509983.8/28

All: 2522.018+/-0.348 χ^2/NDF: 6285678.6/52

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -94.938+/-94.259 χ^2/NDF:16.4/9

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -186.039+/-99.871 χ^2/NDF:7.6/7

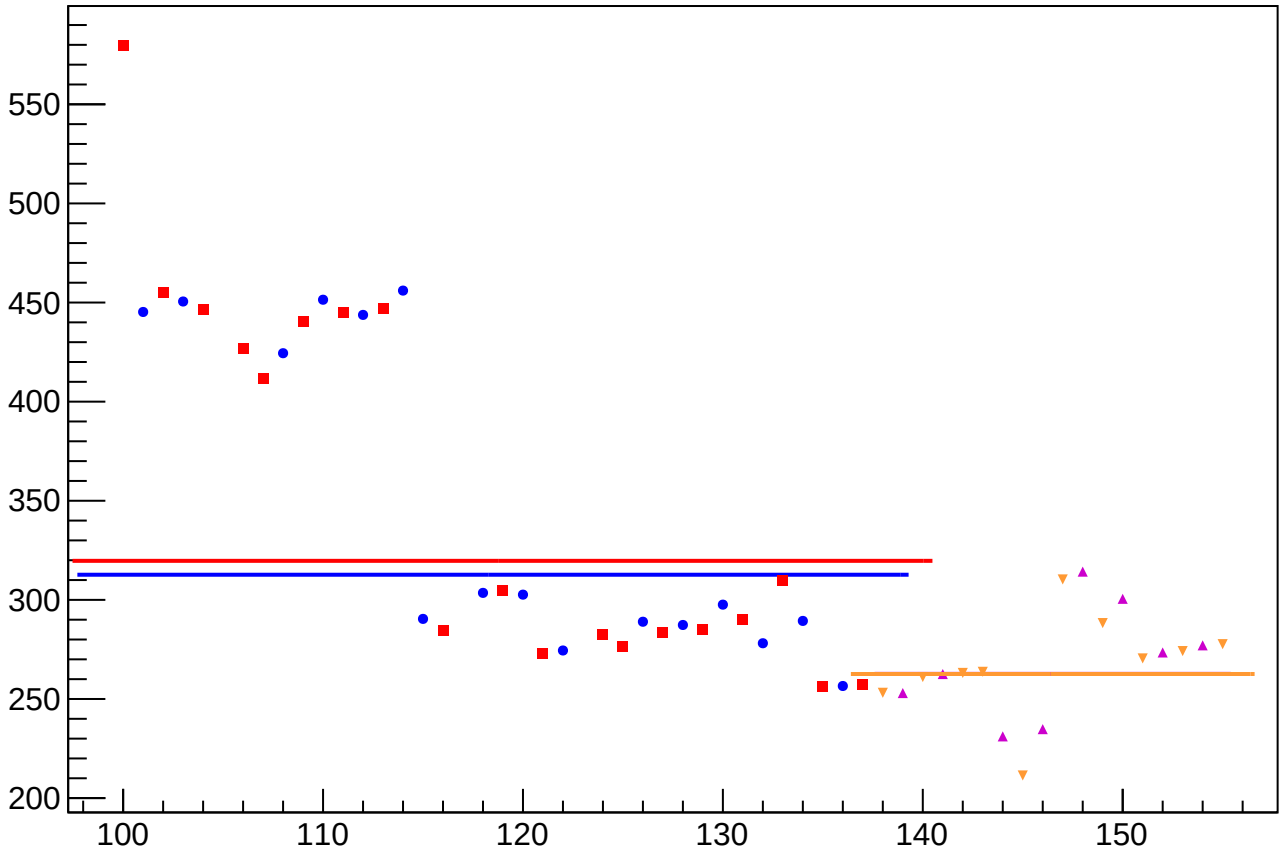
Left: -137.857+/-68.549 χ^2/NDF: 24.4/17

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 42.186+/-76.466 χ^2/NDF:31.7/23

Out: 11.786+/-74.172 χ^2/NDF:34.7/28

All: 26.523+/-53.240 χ^2/NDF: 66.4/52



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 262.607+/-0.067 χ^2/NDF:158754.2/9

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 262.670+/-0.071 χ^2/NDF:141673.5/7

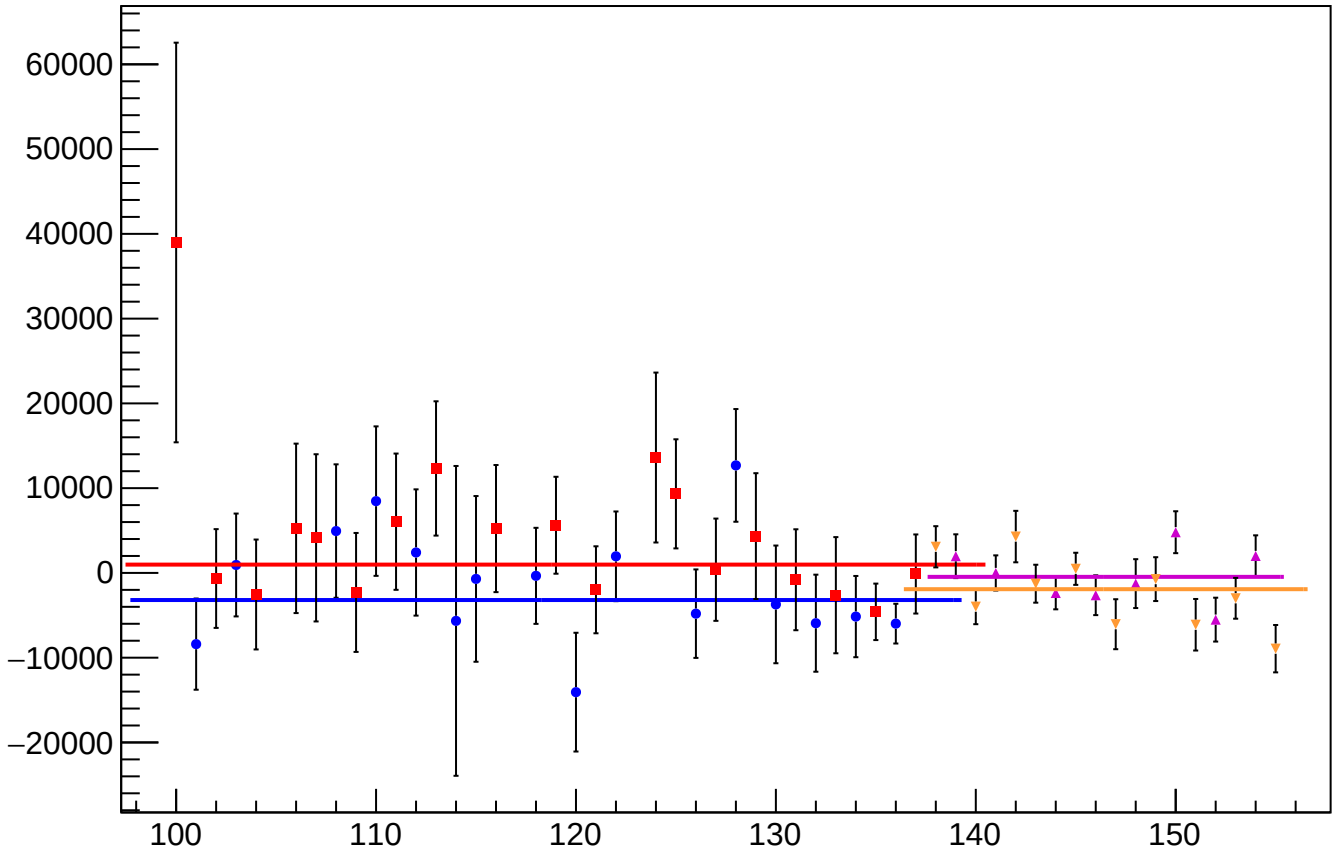
Left: 262.637+/-0.048 χ^2/NDF: 300428.2/17

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 283.364+/-0.054 χ^2/NDF:951415.0/23

Out: 284.345+/-0.052 χ^2/NDF:1131797.3/28

All: 283.869+/-0.038 χ^2/NDF: 2083381.8/52



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1919.352+/-775.246 χ^2/NDF:21.7/9

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -464.759+/-834.901 χ^2/NDF:12.2/7

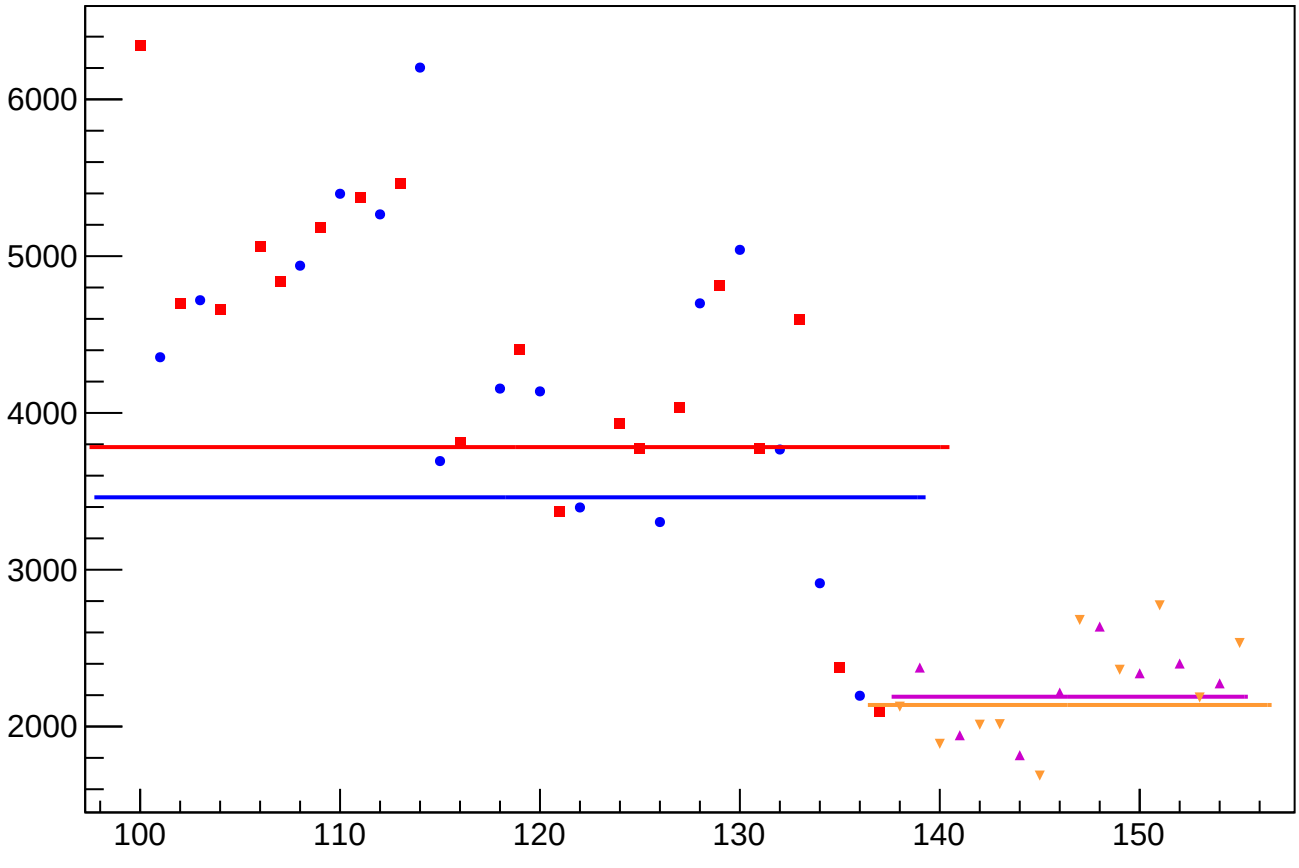
Left: -1245.873+/-568.102 χ^2/NDF: 35.5/17

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1218.037+/-710.632 χ^2/NDF:31.3/23

Out: -1271.313+/-683.168 χ^2/NDF:38.8/28

All: -1245.724+/-492.496 χ^2/NDF: 70.0/52



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2137.432+/-0.548 χ^2/NDF:362199.2/9

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2190.067+/-0.590 χ^2/NDF:184666.2/7

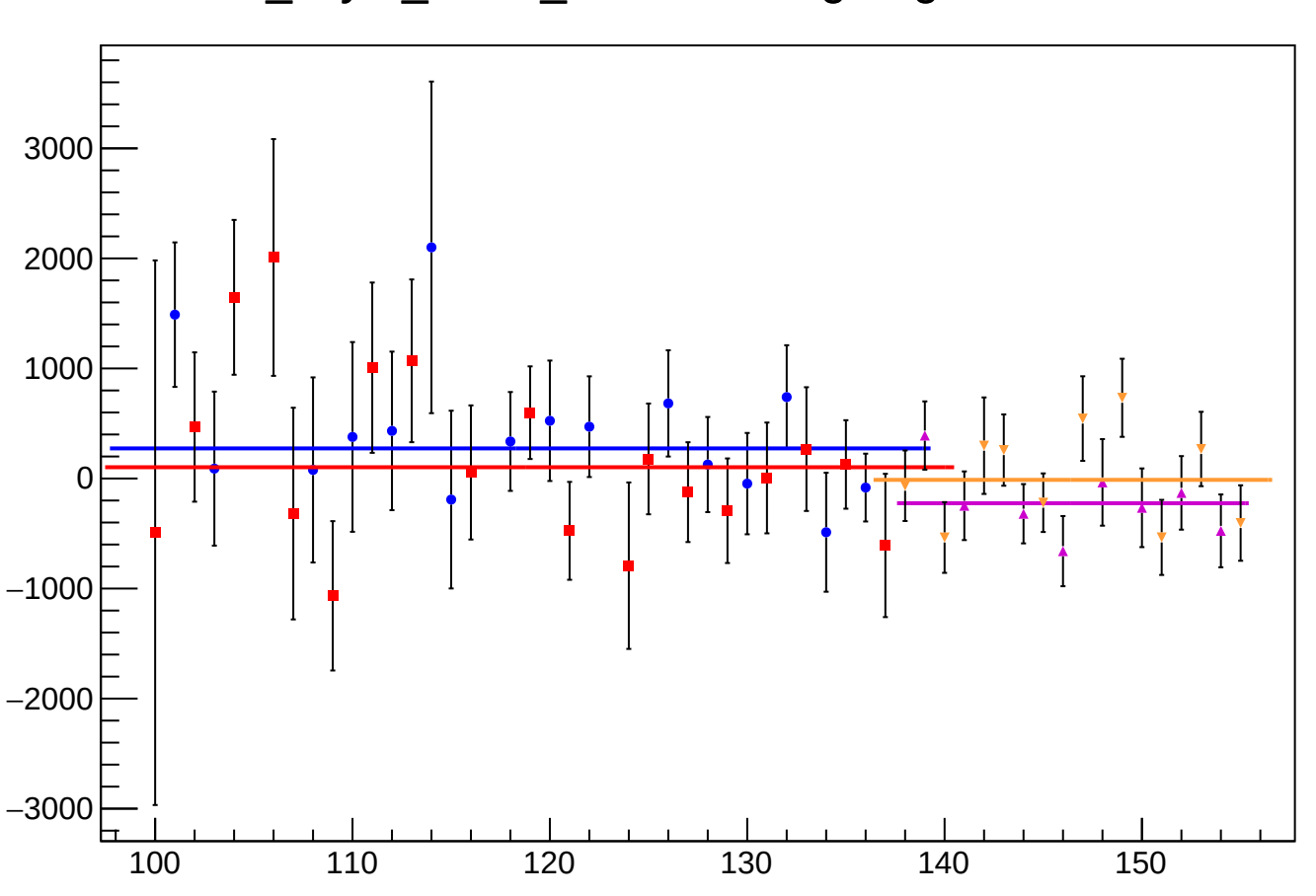
Left: 2161.802+/-0.402 χ^2/NDF: 551134.0/17

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2540.505+/-0.502 χ^2/NDF:2773090.3/23

Out: 2504.932+/-0.483 χ^2/NDF:3509983.8/28

All: 2522.018+/-0.348 χ^2/NDF: 6285678.6/52



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -12.388+/-106.100 χ^2/NDF:15.4/9

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -224.613+/-114.206 χ^2/NDF:6.8/7

Left: -110.702+/-77.732 χ^2/NDF: 24.0/17

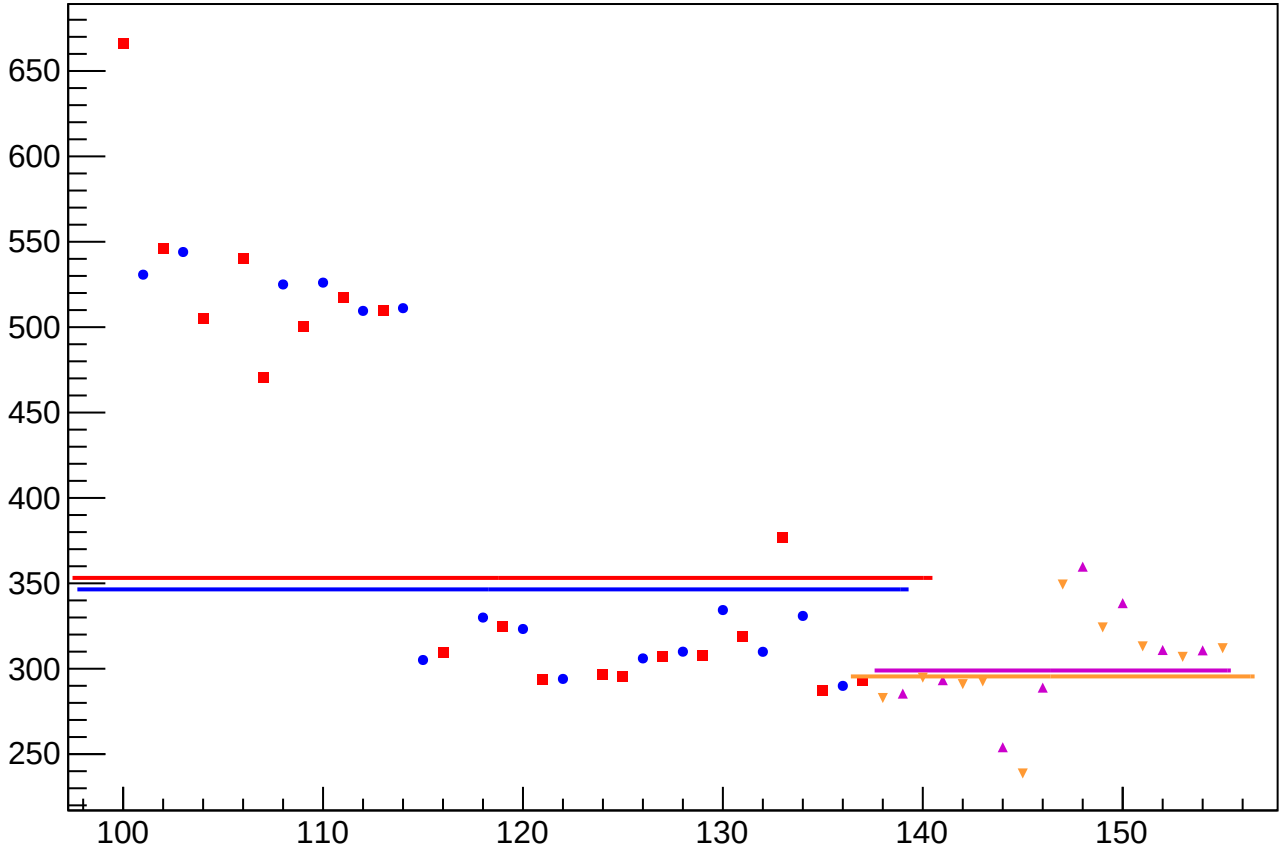
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -12.325+/-86.517 χ^2/NDF:26.4/23

Out: 31.993+/-83.088 χ^2/NDF:37.1/28

All: 10.730+/-59.928 χ^2/NDF: 63.6/52

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 295.487+/-0.075 χ^2/NDF:159163.1/9

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 298.969+/-0.081 χ^2/NDF:139406.4/7

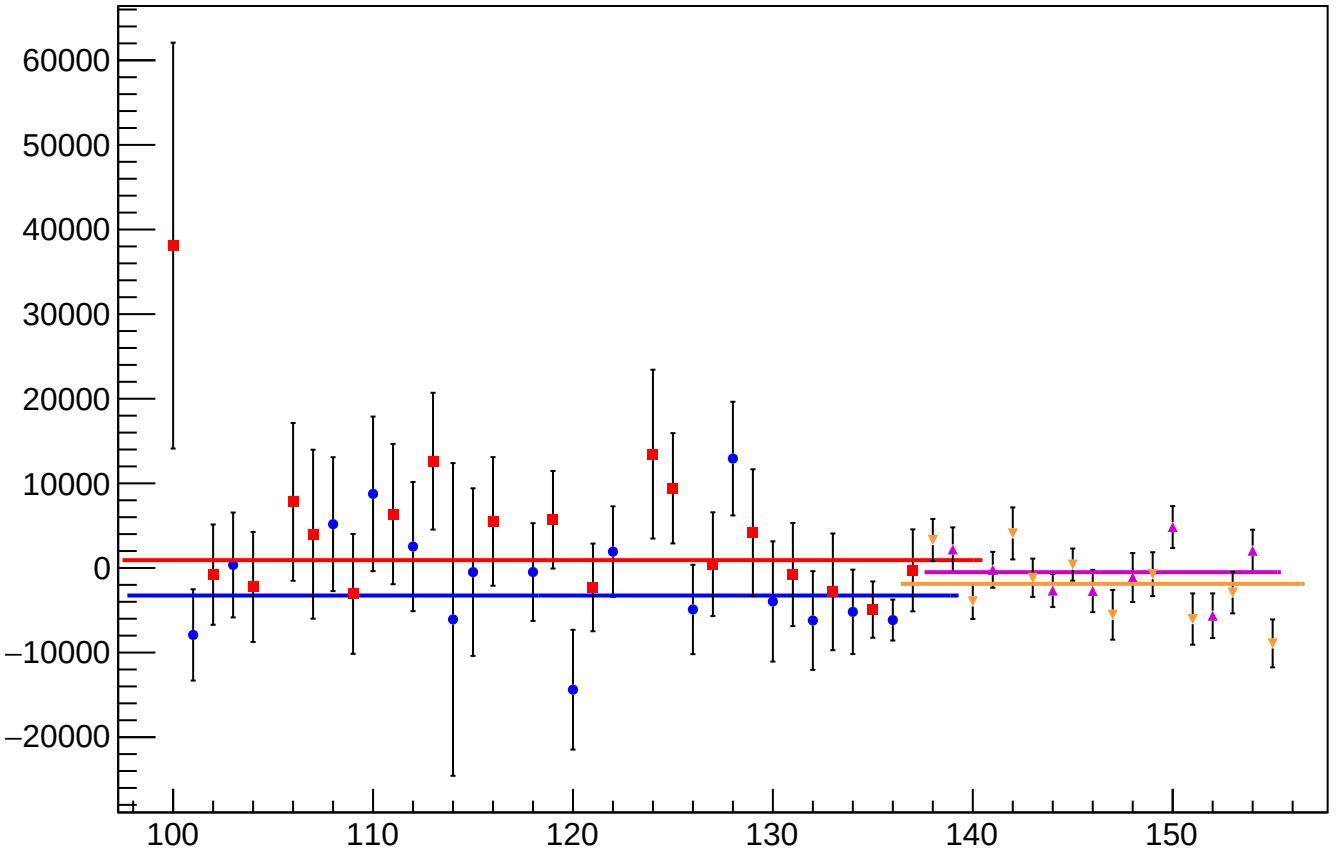
Left: 297.100+/-0.055 χ^2/NDF: 299567.7/17

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 319.204+/-0.061 χ^2/NDF:1055503.2/23

Out: 317.798+/-0.059 χ^2/NDF:1254212.4/28

All: 318.472+/-0.042 χ^2/NDF: 2309990.1/52



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1875.918+/-782.382 χ^2/NDF:20.6/9

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -503.261+/-851.523 χ^2/NDF:12.6/7

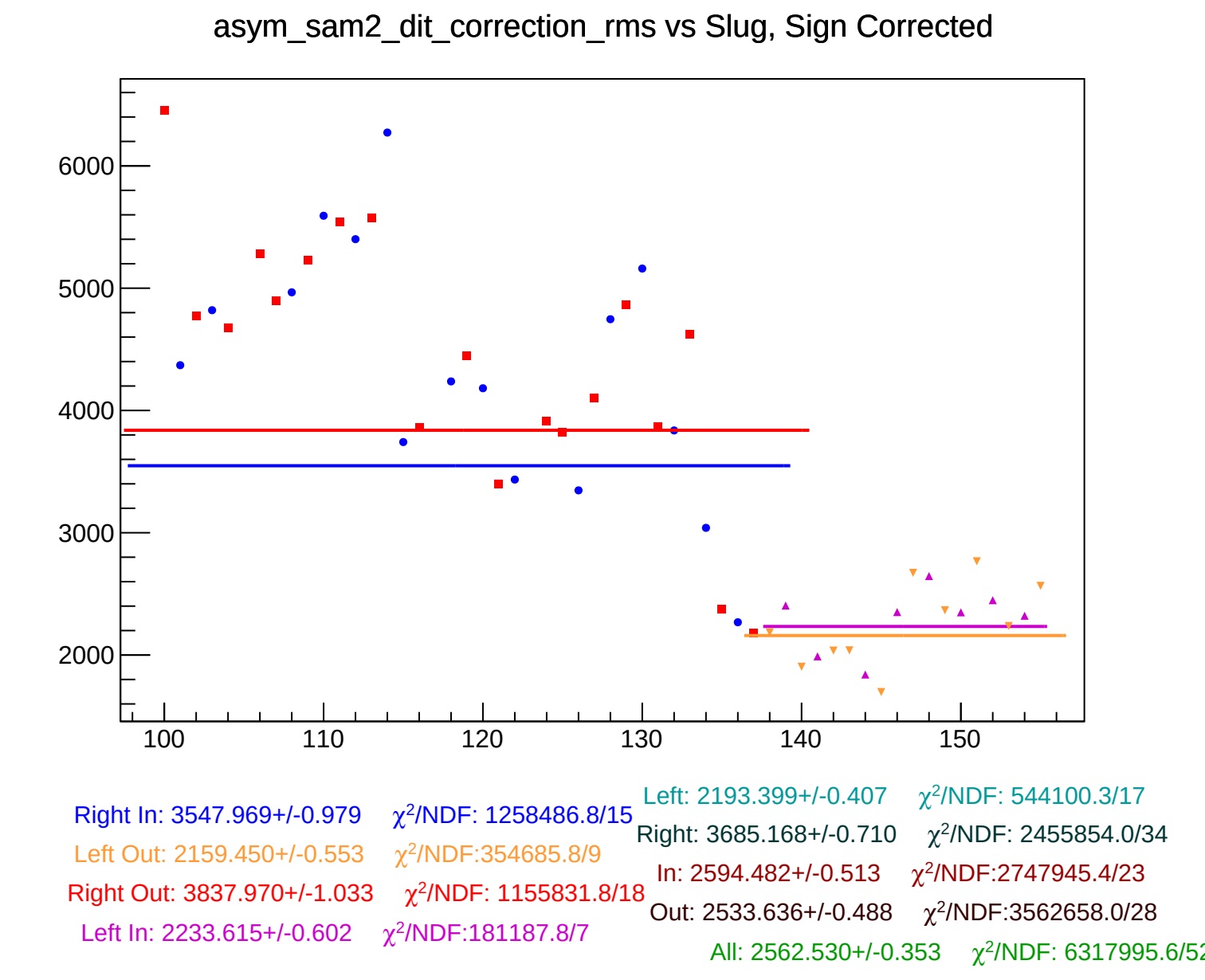
Left: -1247.572+/-576.122 χ^2/NDF: 34.6/17

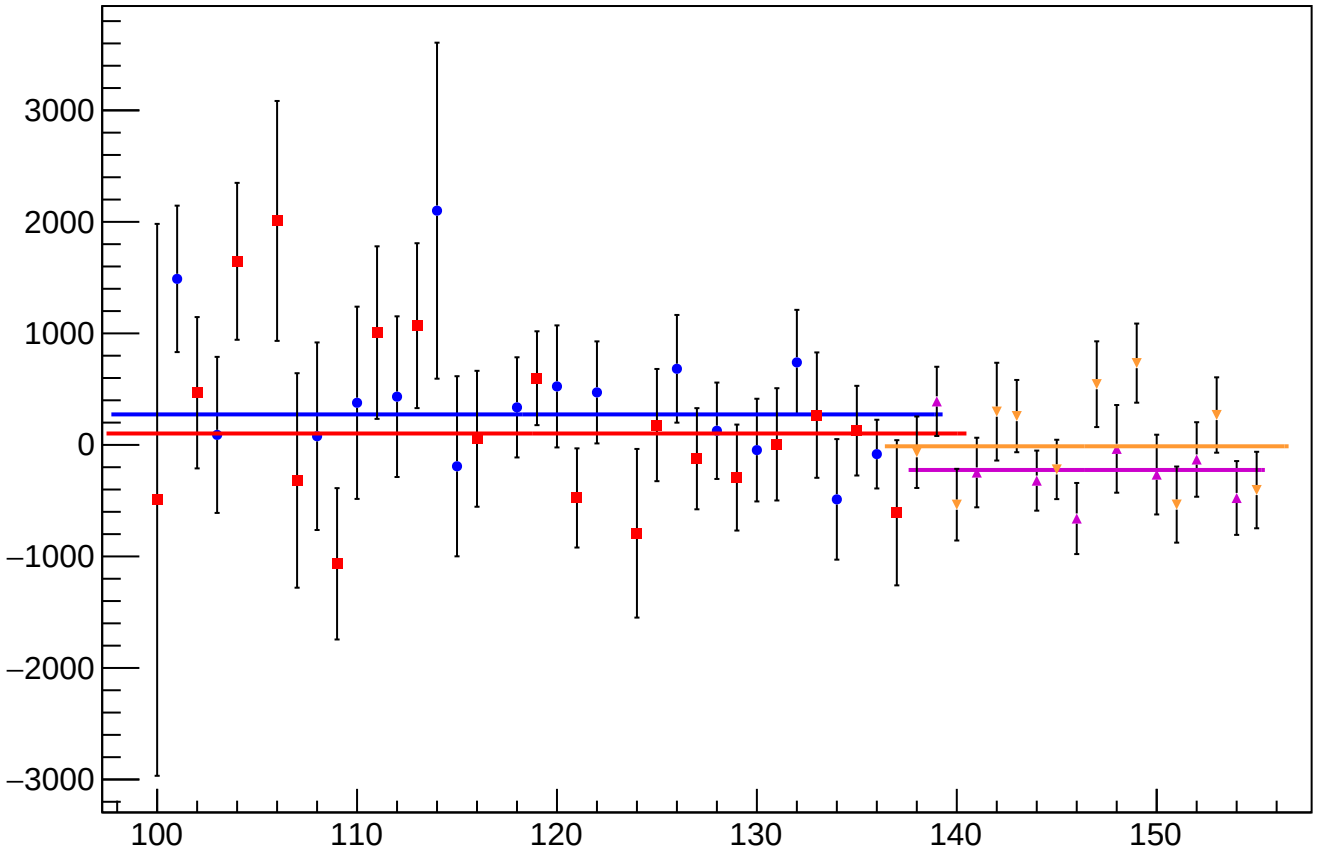
Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -1259.829+/-725.266 χ^2/NDF:31.5/23

Out: -1252.368+/-689.683 χ^2/NDF:38.1/28

All: -1255.911+/-499.786 χ^2/NDF: 69.6/52


asym_sam2_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 3547.969+/-0.979 χ²/NDF: 1258486.8/15
Left Out: 2159.450+/-0.553 χ²/NDF:354685.8/9
Right Out: 3837.970+/-1.033 χ²/NDF: 1155831.8/18
Left In: 2233.615+/-0.602 χ²/NDF:181187.8/7
Left: 2193.399+/-0.407 χ²/NDF: 544100.3/17
Right: 3685.168+/-0.710 χ²/NDF: 2455854.0/34
In: 2594.482+/-0.513 χ²/NDF:2747945.4/23
Out: 2533.636+/-0.488 χ²/NDF:3562658.0/28
All: 2562.530+/-0.353 χ²/NDF: 6317995.6/52



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -12.393+/-106.100 χ^2/NDF:15.4/9

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -224.615+/-114.206 χ^2/NDF:6.8/7

Left: -110.705+/-77.732 χ^2/NDF: 24.0/17

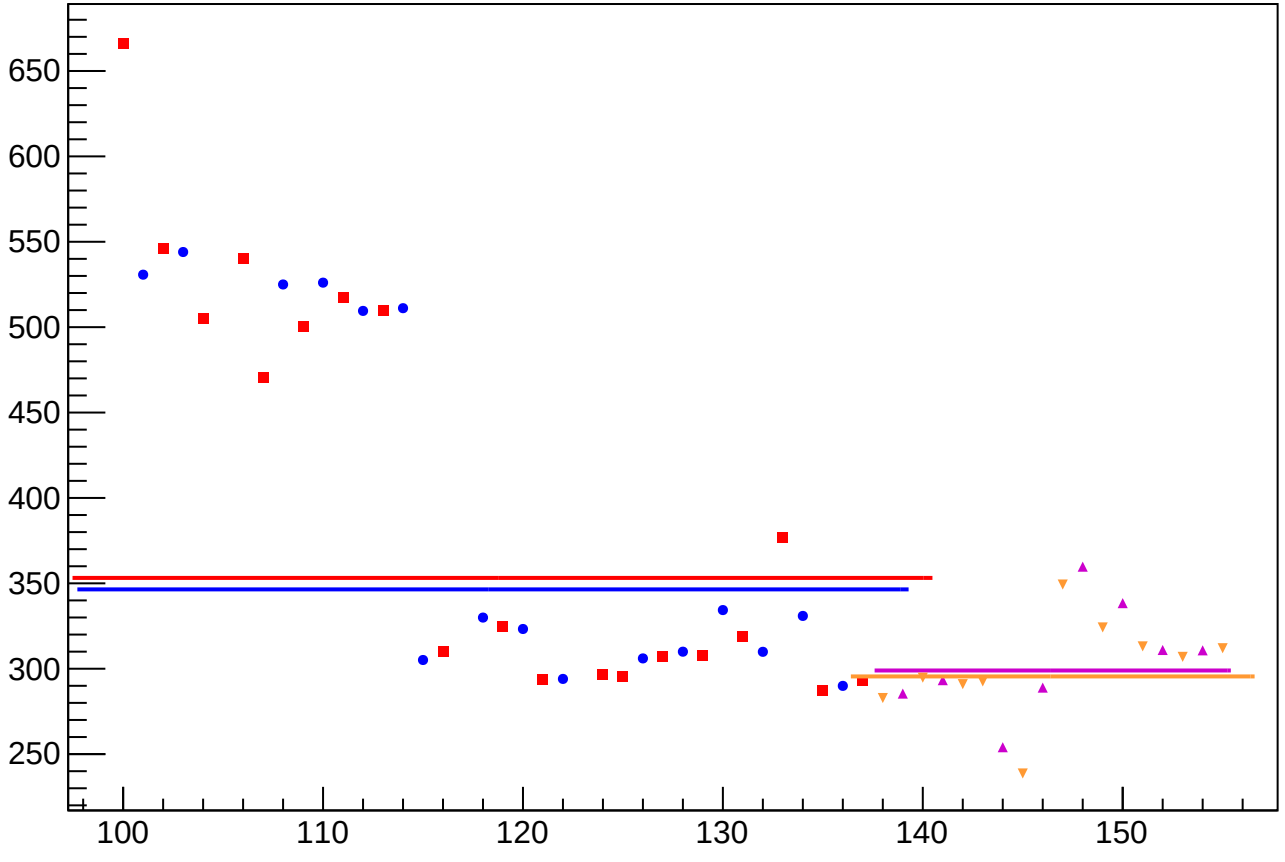
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -12.323+/-86.517 χ^2/NDF:26.4/23

Out: 31.989+/-83.087 χ^2/NDF:37.1/28

All: 10.729+/-59.927 χ^2/NDF: 63.6/52

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 295.487+/-0.075 χ^2/NDF:159166.2/9

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 298.969+/-0.081 χ^2/NDF:139408.1/7

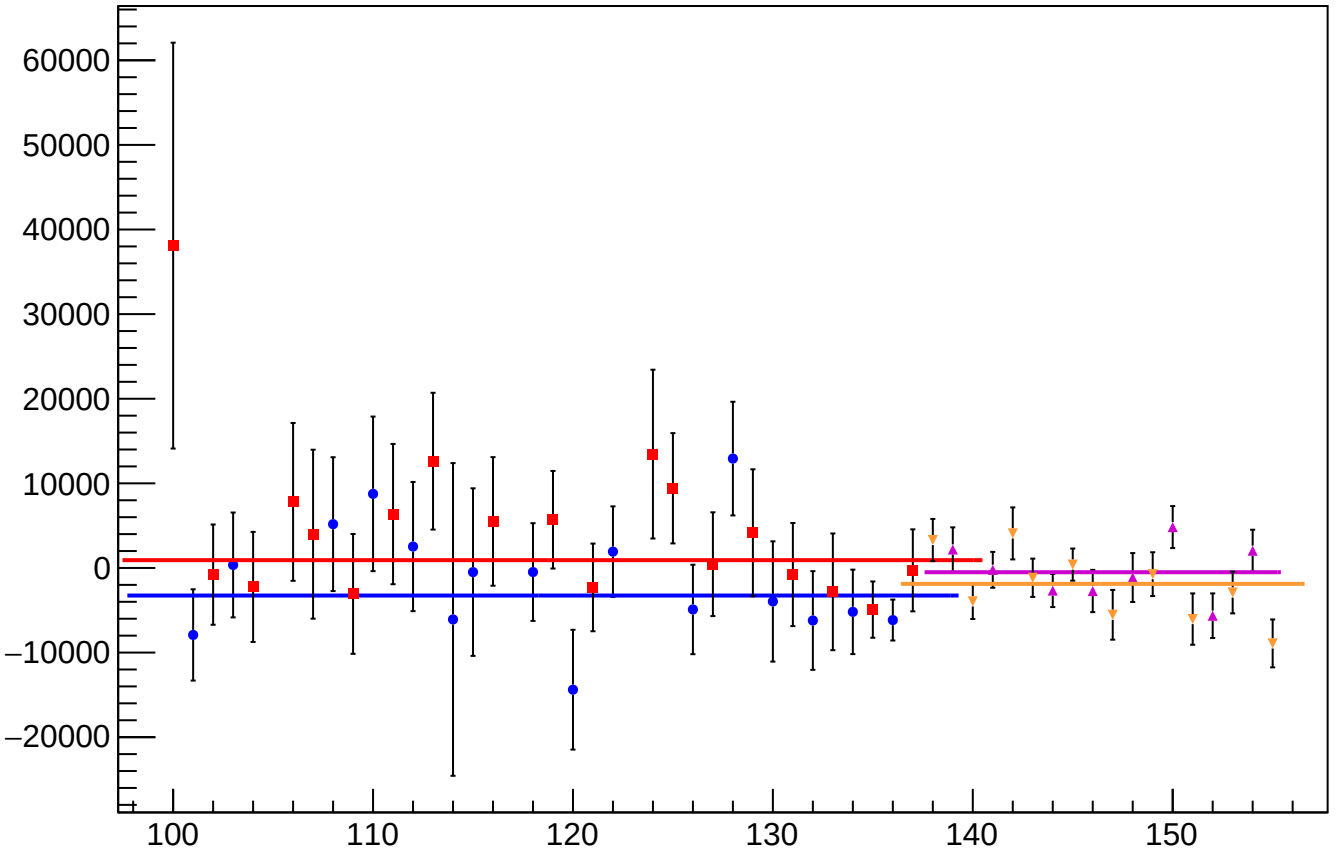
Left: 297.100+/-0.055 χ^2/NDF: 299572.5/17

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 319.203+/-0.061 χ^2/NDF:1055484.3/23

Out: 317.798+/-0.059 χ^2/NDF:1254194.8/28

All: 318.472+/-0.042 χ^2/NDF: 2309953.5/52



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1875.916+/-782.381 χ^2/NDF:20.6/9

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -503.260+/-851.523 χ^2/NDF:12.6/7

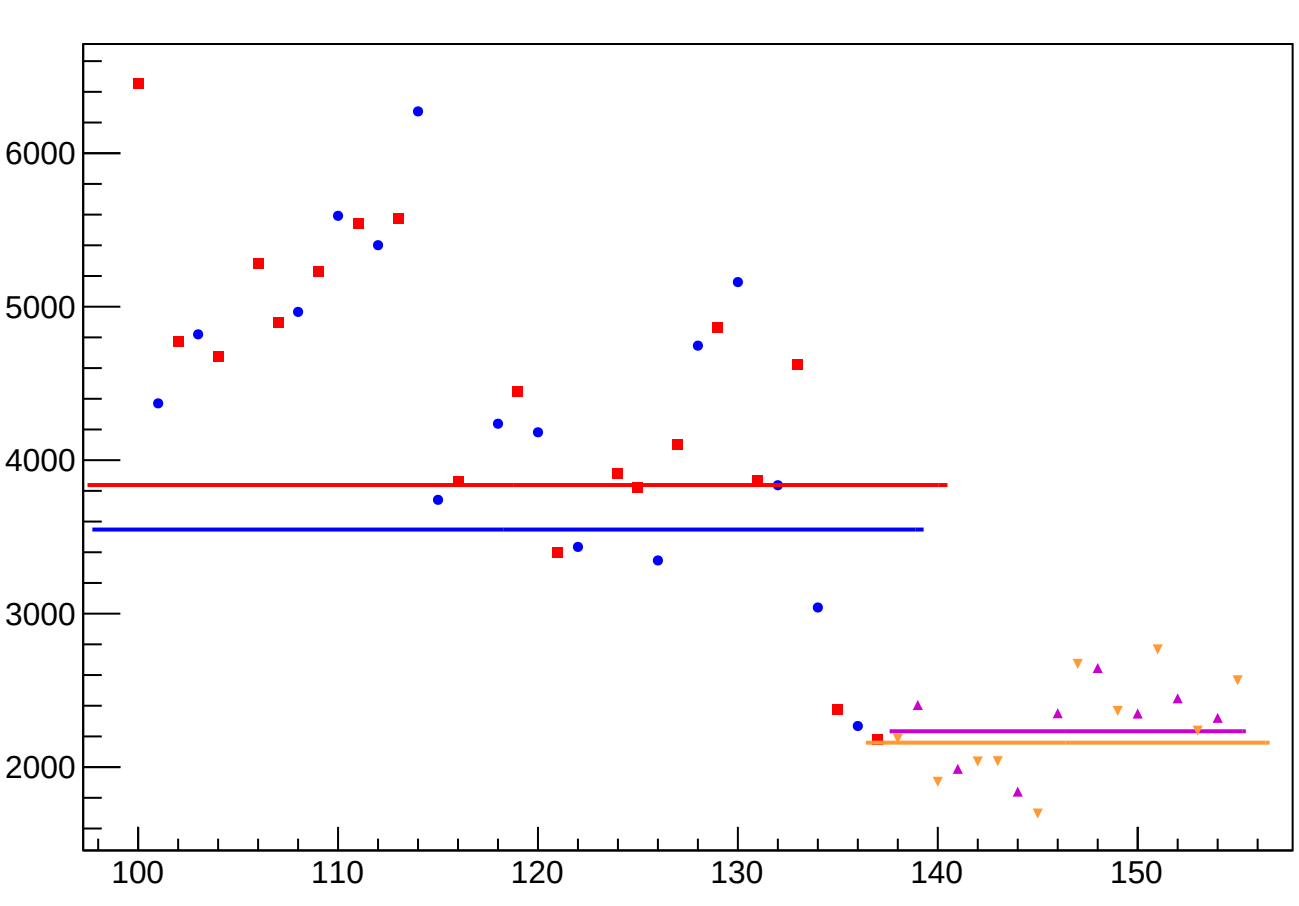
Left: -1247.571+/-576.122 χ^2/NDF: 34.6/17

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -1259.826+/-725.266 χ^2/NDF:31.5/23

Out: -1252.365+/-689.683 χ^2/NDF:38.1/28

All: -1255.908+/-499.785 χ^2/NDF: 69.6/52



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2159.448+/-0.553 χ^2/NDF:354691.1/9

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2233.614+/-0.602 χ^2/NDF:181187.8/7

Left: 2193.398+/-0.407 χ^2/NDF: 544106.0/17

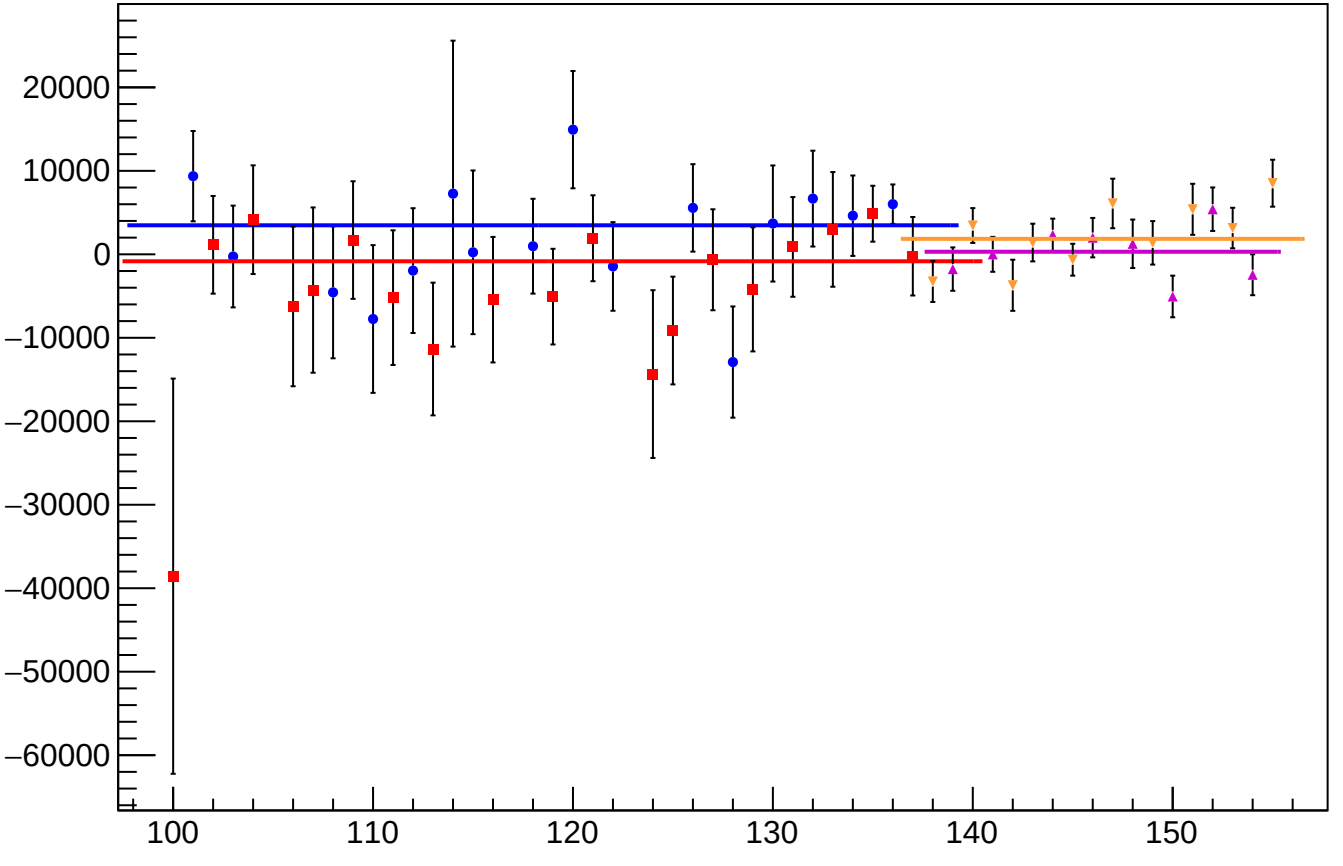
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2594.482+/-0.513 χ^2/NDF:2747929.0/23

Out: 2533.634+/-0.488 χ^2/NDF:3562651.5/28

All: 2562.529+/-0.353 χ^2/NDF: 6317972.9/52

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1854.321+/-781.276 χ^2/NDF:19.3/9

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 308.403+/-841.137 χ^2/NDF:12.1/7

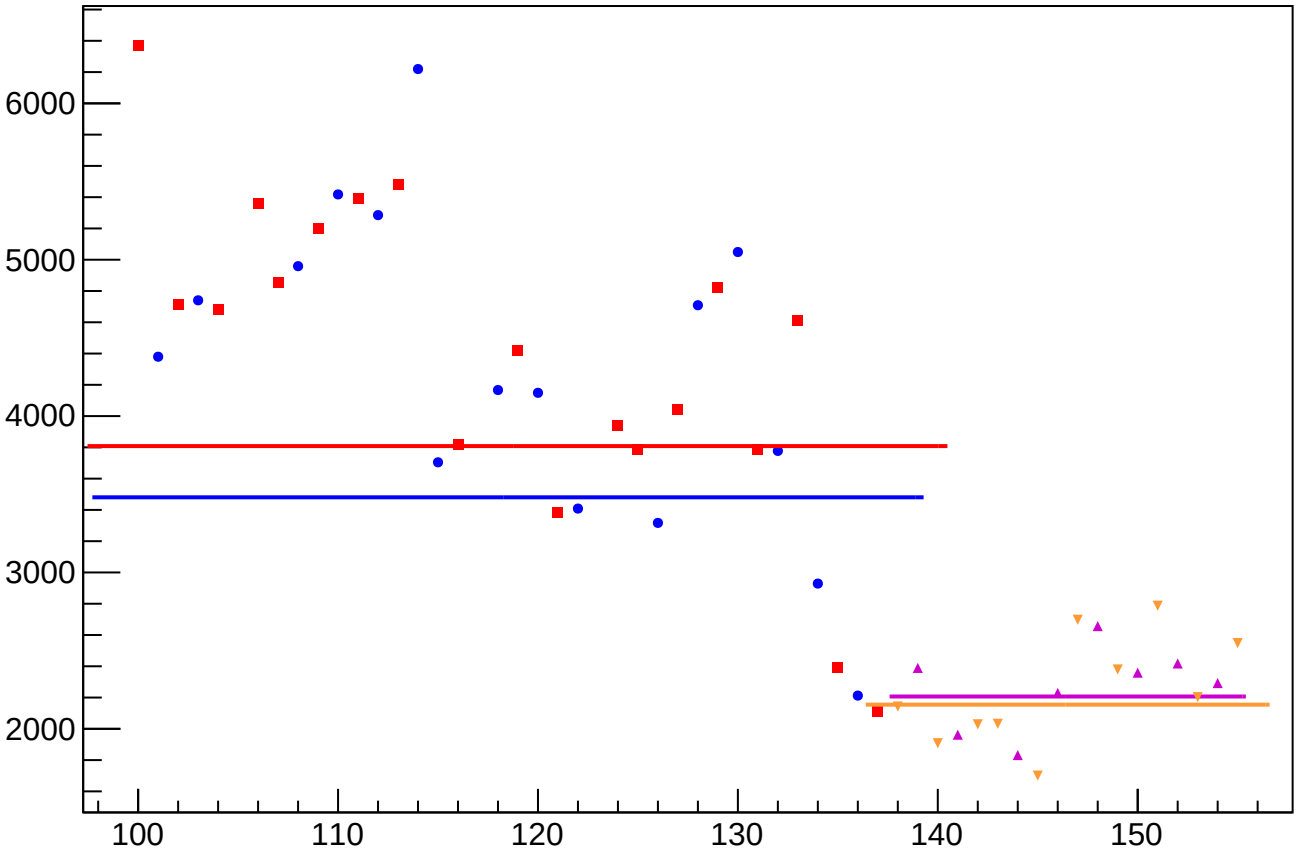
Left: 1138.323+/-572.439 χ^2/NDF: 33.2/17

Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 1185.150+/-715.422 χ^2/NDF:32.3/23

Out: 1249.548+/-687.753 χ^2/NDF:36.0/28

All: 1218.619+/-495.808 χ^2/NDF: 68.3/52



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2154.574+/-0.552 χ^2/NDF:357808.0/9

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2206.704+/-0.595 χ^2/NDF:182558.6/7

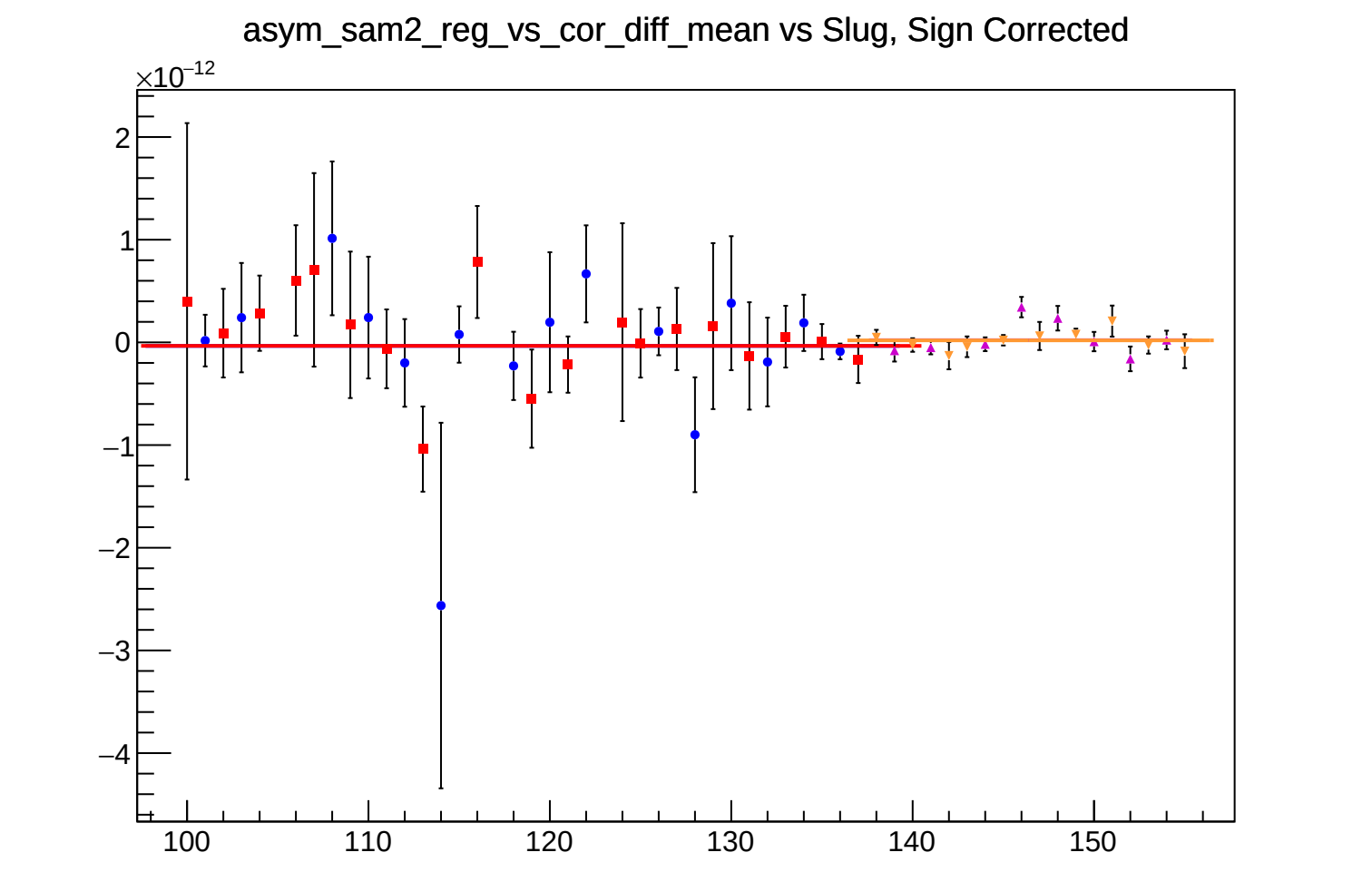
Left: 2178.718+/-0.405 χ^2/NDF: 544490.5/17

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2559.025+/-0.506 χ^2/NDF:2747893.0/23

Out: 2526.764+/-0.486 χ^2/NDF:3521924.2/28

All: 2542.259+/-0.351 χ^2/NDF: 6271930.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/9

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:18.4/7

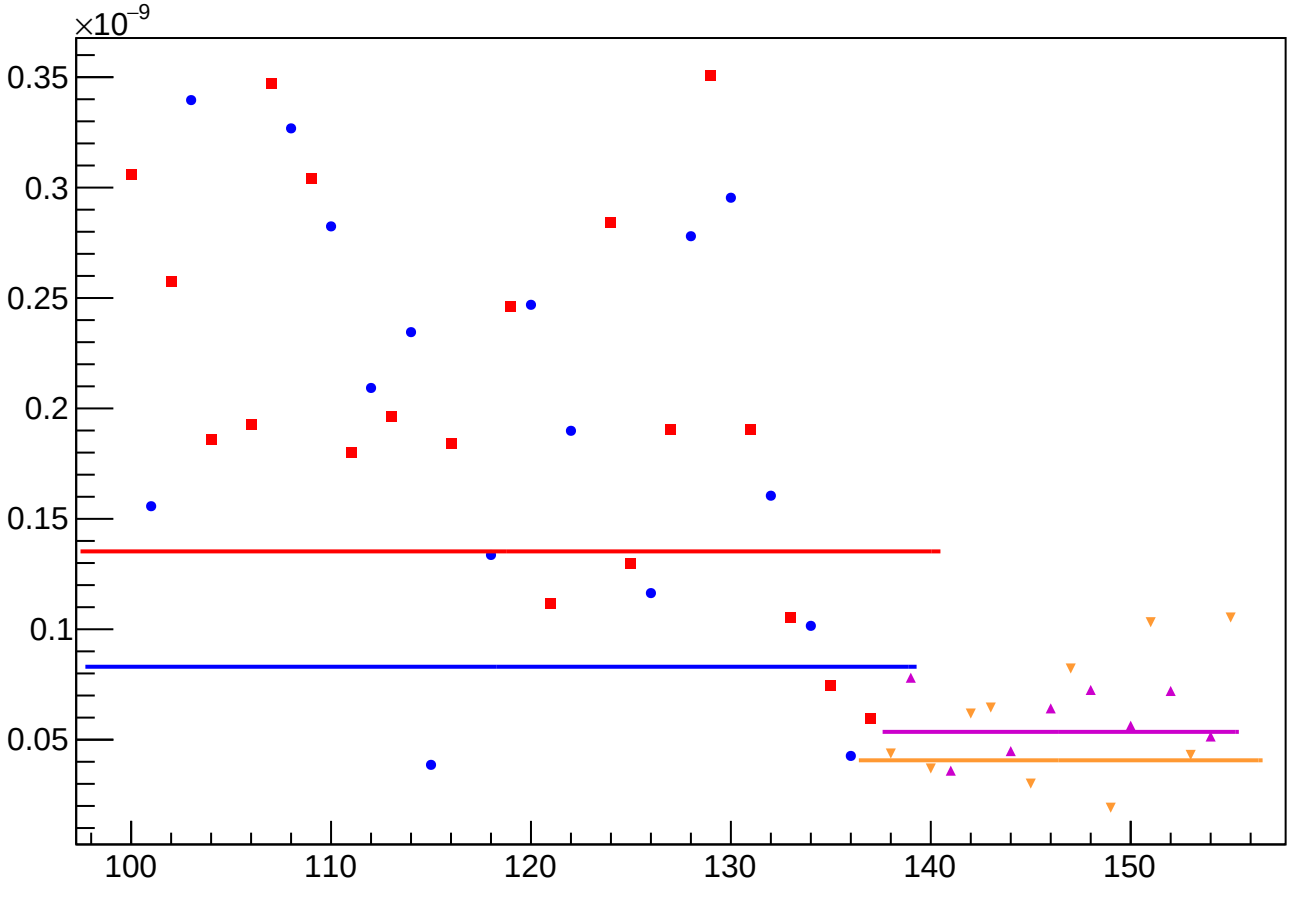
Left: 0.000+/-0.000 χ^2/NDF: 24.1/17

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:31.0/23

Out: 0.000+/-0.000 χ^2/NDF:19.6/28

All: 0.000+/-0.000 χ^2/NDF: 50.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1390912.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:401227.1/7

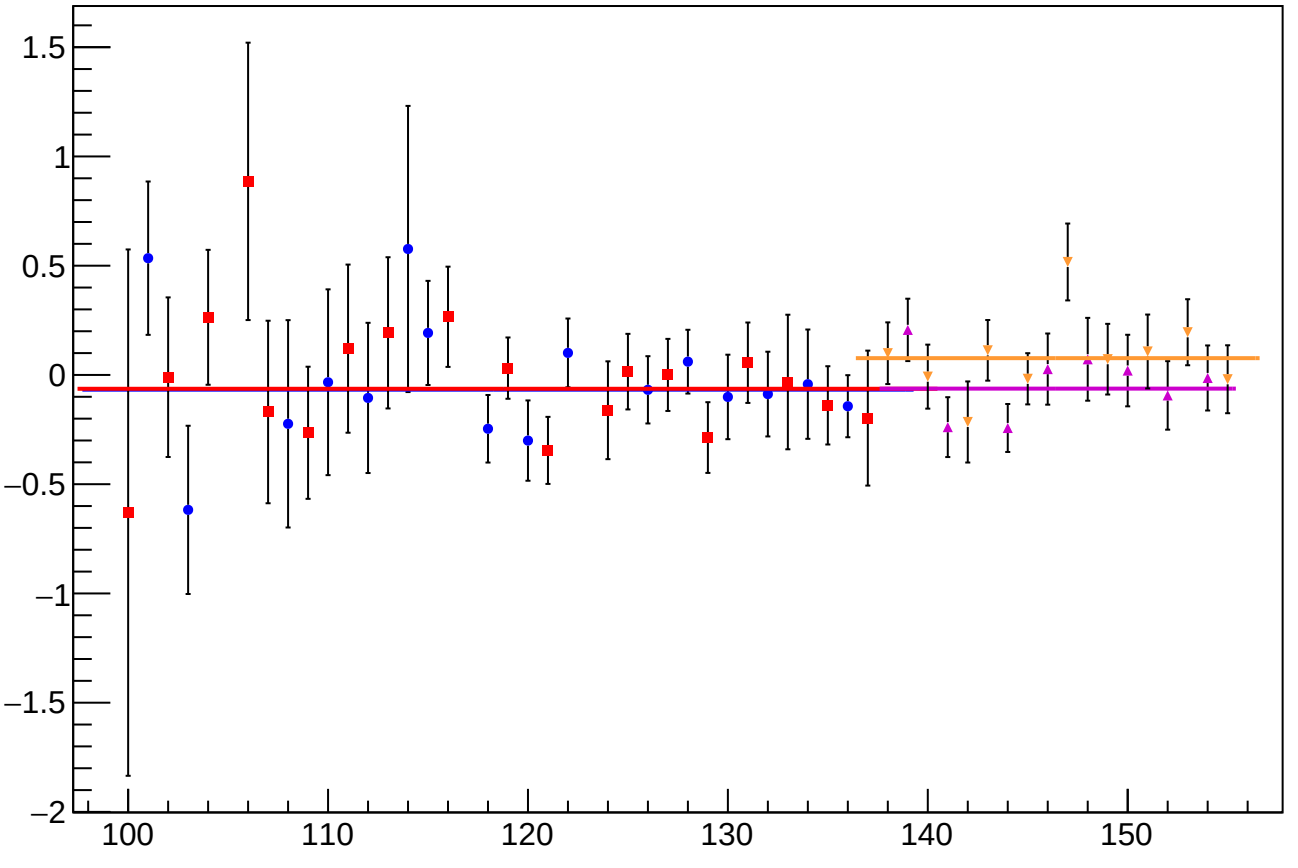
Left: 0.000+/-0.000 χ^2/NDF: 1994996.5/17

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:3476458.8/23

Out: 0.000+/-0.000 χ^2/NDF:5074301.3/28

All: 0.000+/-0.000 χ^2/NDF: 8738770.4/52



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.077+/-0.048 χ^2/NDF:10.8/9

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.063+/-0.052 χ^2/NDF:9.1/7

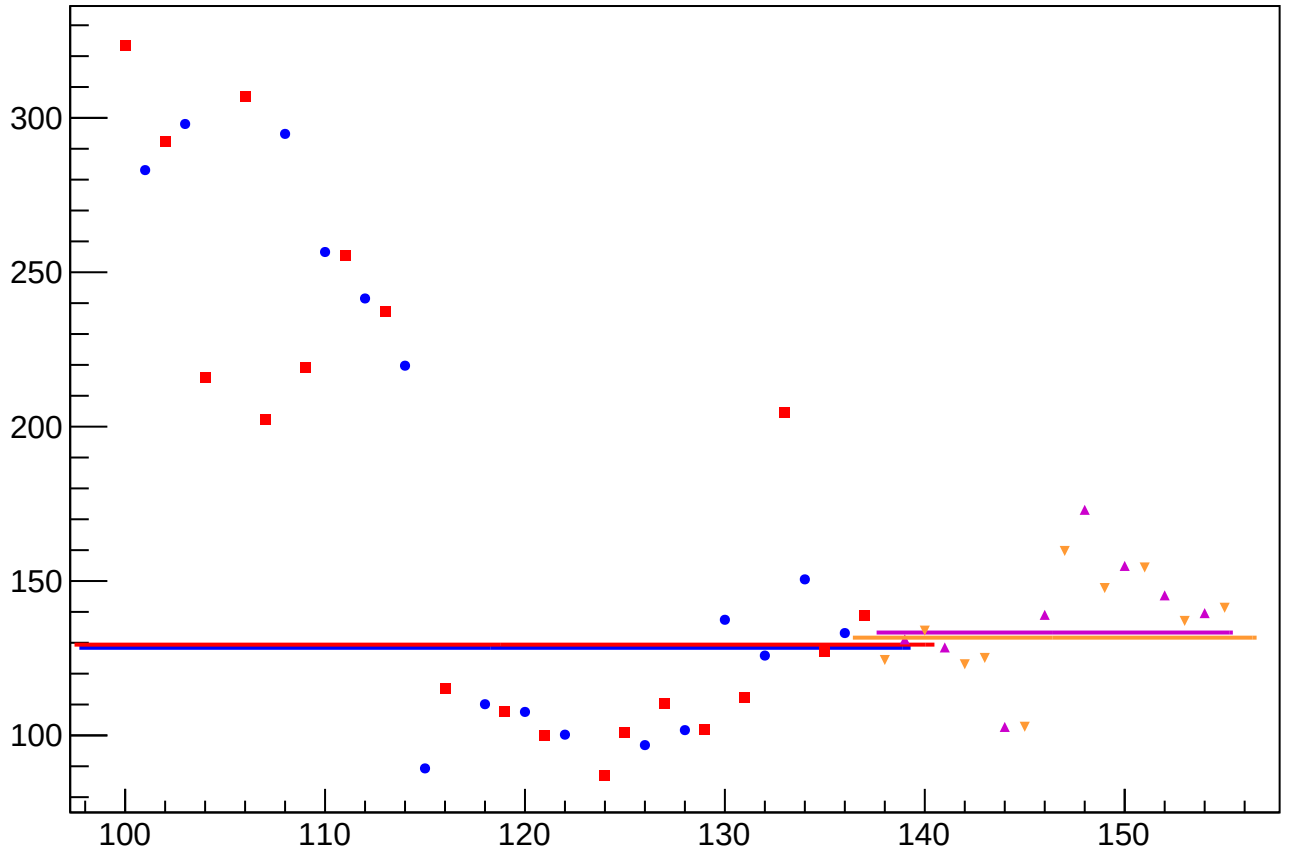
Left: 0.013+/-0.035 χ^2/NDF: 23.9/17

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.065+/-0.037 χ^2/NDF:21.6/23

Out: 0.012+/-0.035 χ^2/NDF:28.9/28

All: -0.025+/-0.025 χ^2/NDF: 52.8/52



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 131.661+/-0.034 χ^2/NDF:253027.3/9

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 133.317+/-0.037 χ^2/NDF:298556.1/7

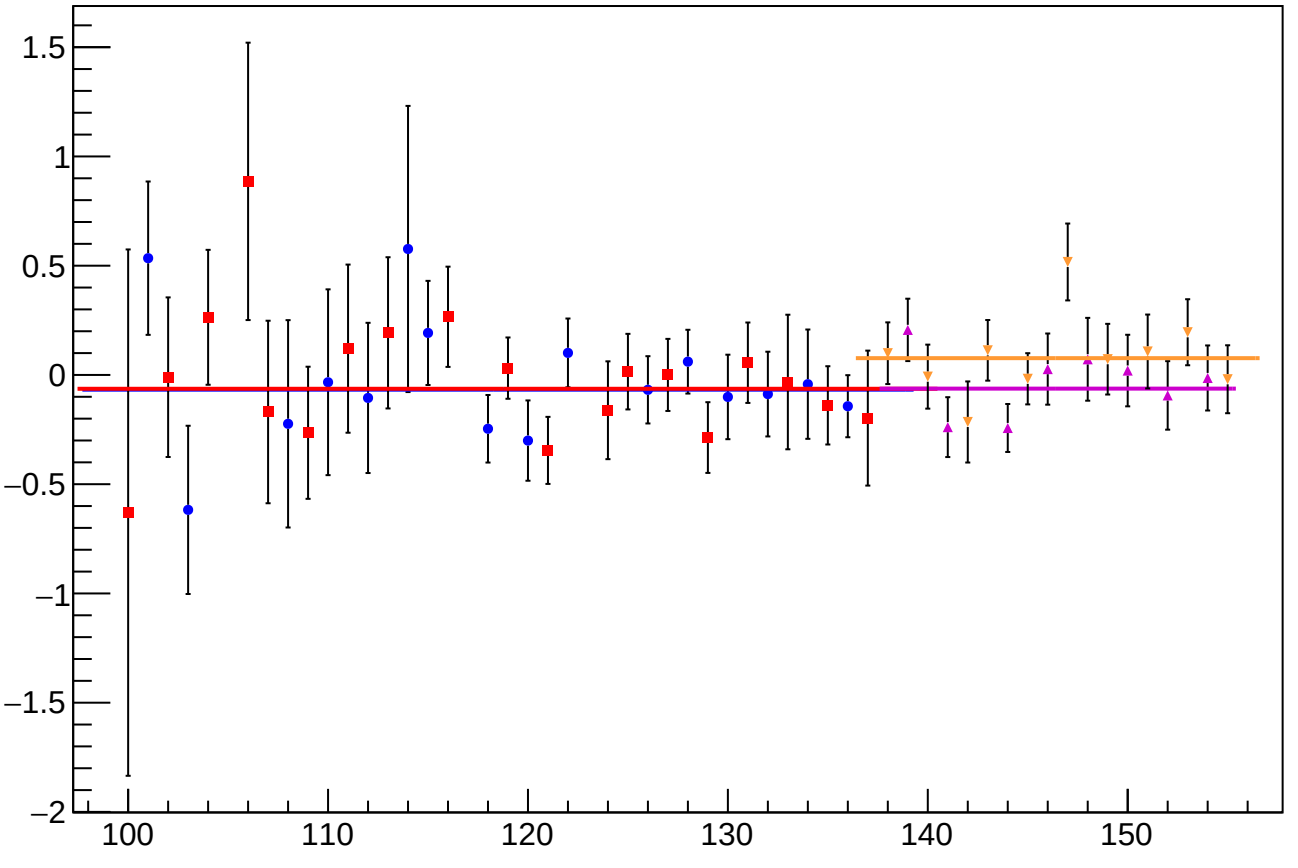
Left: 132.420+/-0.025 χ^2/NDF: 552693.6/17

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 130.851+/-0.026 χ^2/NDF:2112739.7/23

Out: 130.621+/-0.025 χ^2/NDF:2143374.3/28

All: 130.731+/-0.018 χ^2/NDF: 4256155.2/52



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.077+/-0.048 χ^2/NDF:10.8/9

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.063+/-0.052 χ^2/NDF:9.1/7

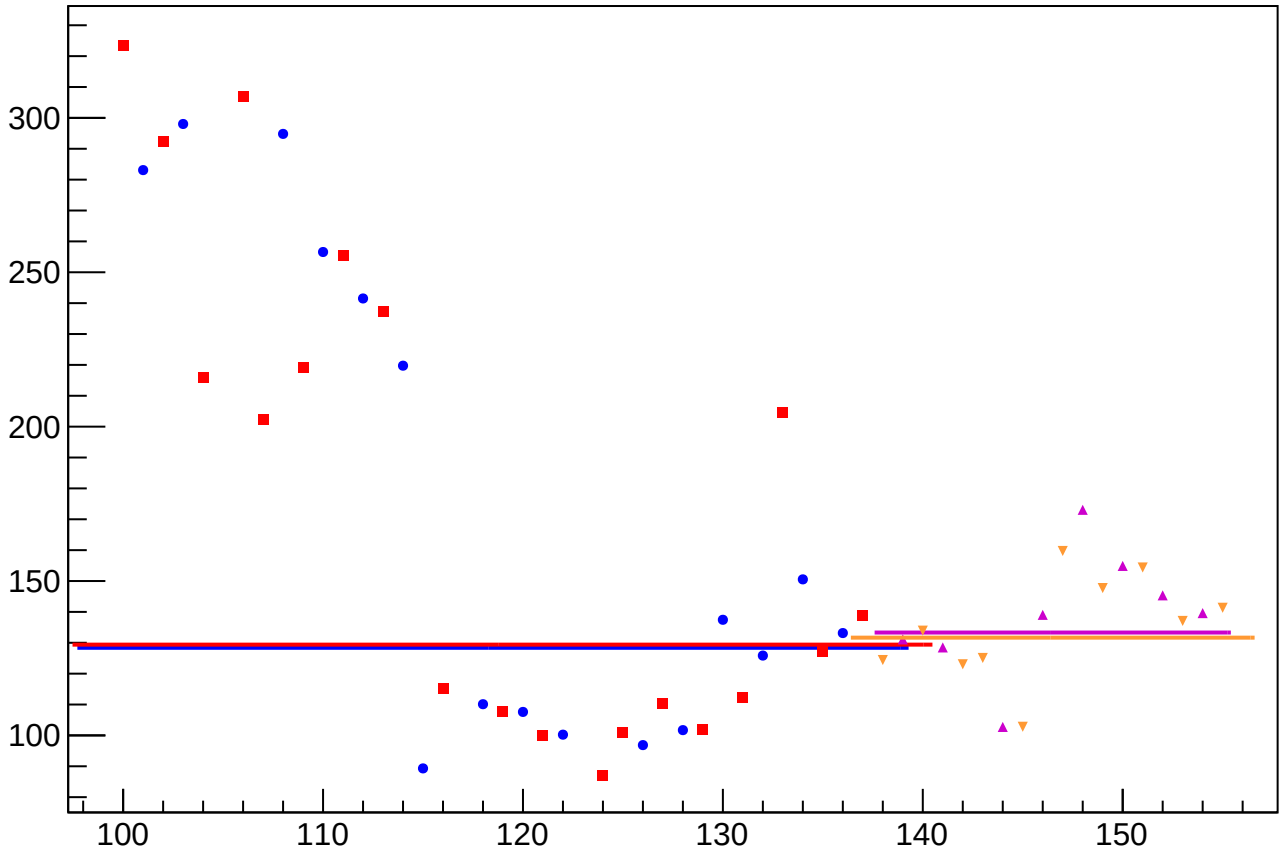
Left: 0.013+/-0.035 χ^2/NDF: 23.9/17

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.065+/-0.037 χ^2/NDF:21.6/23

Out: 0.012+/-0.035 χ^2/NDF:28.9/28

All: -0.025+/-0.025 χ^2/NDF: 52.8/52



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 131.661+/-0.034 χ^2/NDF:253027.3/9

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 133.317+/-0.037 χ^2/NDF:298556.1/7

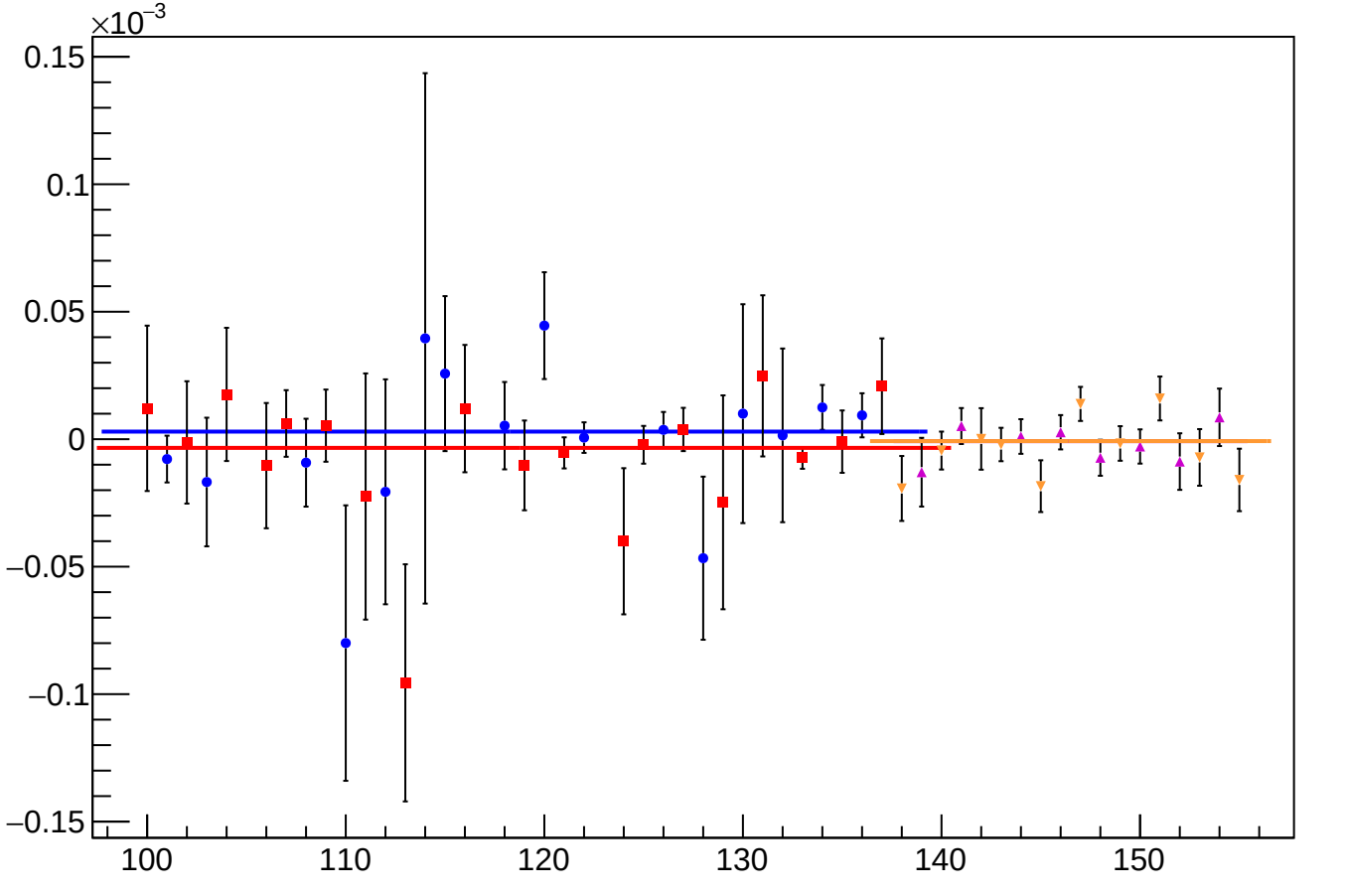
Left: 132.420+/-0.025 χ^2/NDF: 552693.6/17

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 130.851+/-0.026 χ^2/NDF:2112739.7/23

Out: 130.621+/-0.025 χ^2/NDF:2143374.3/28

All: 130.731+/-0.018 χ^2/NDF: 4256155.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/9

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:4.0/7

Left: -0.000+/-0.000 χ^2/NDF: 19.9/17

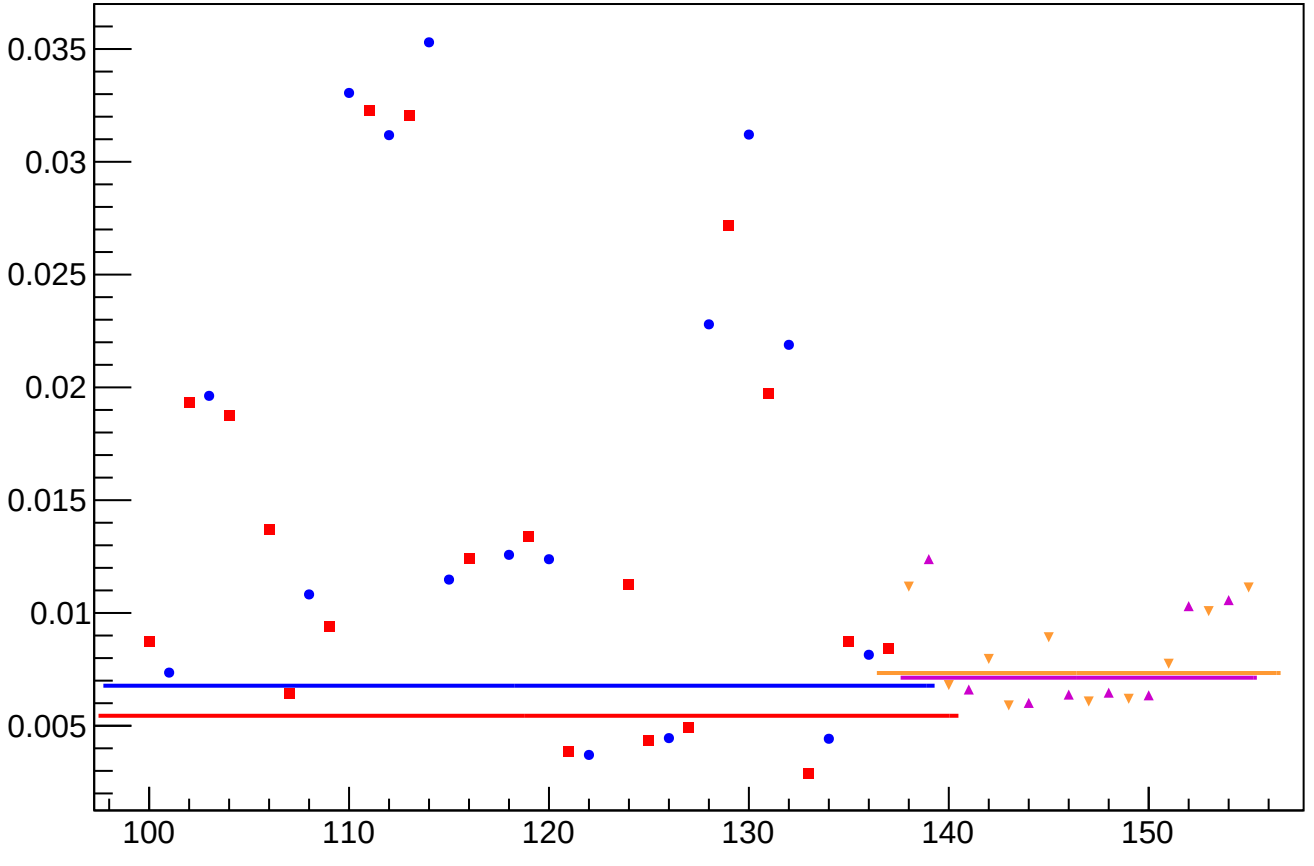
Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:18.9/23

Out: -0.000+/-0.000 χ^2/NDF:29.0/28

All: -0.000+/-0.000 χ^2/NDF: 49.0/52

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:787656.7/9

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.007+/-0.000 χ^2/NDF:788963.6/7

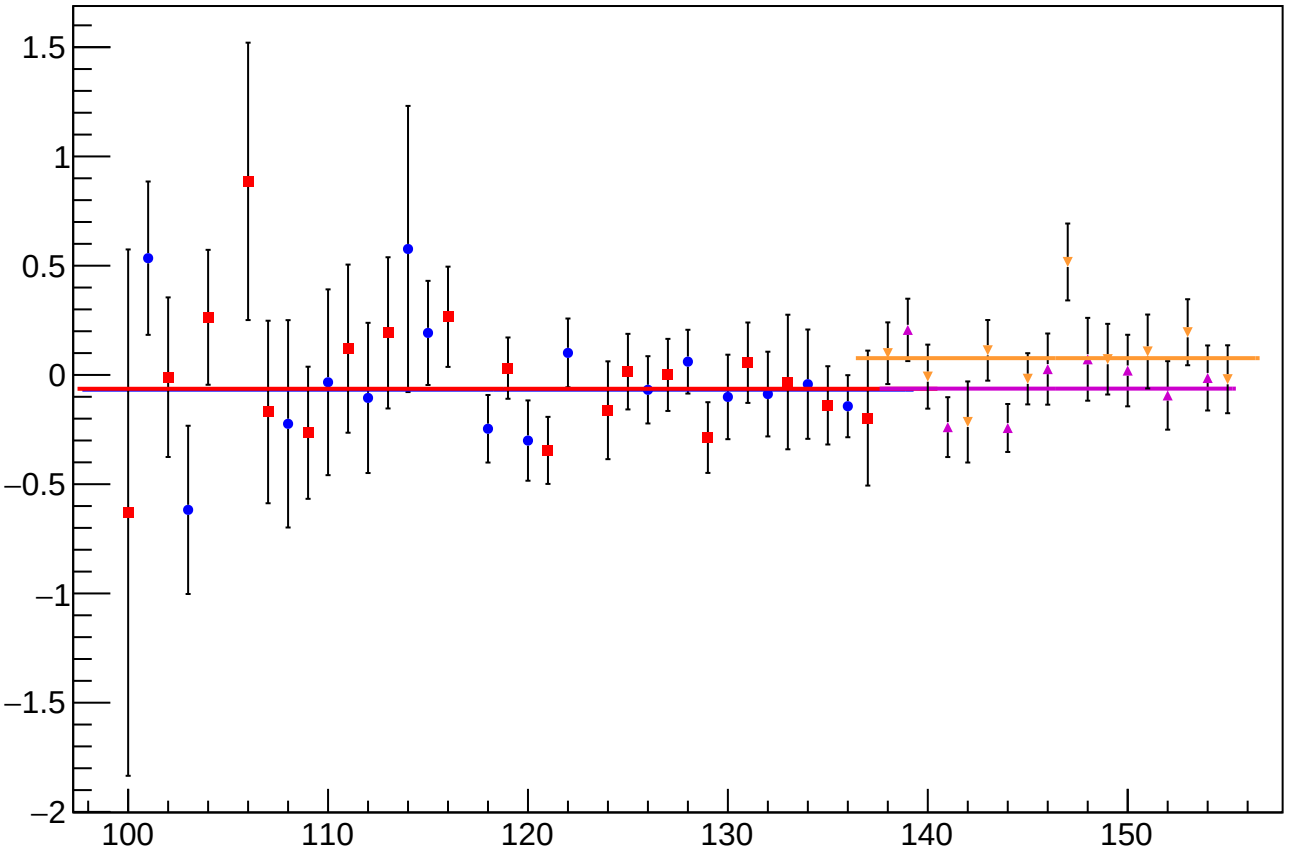
Left: 0.007+/-0.000 χ^2/NDF: 1582349.9/17

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:5575489.1/23

Out: 0.006+/-0.000 χ^2/NDF:6871486.2/28

All: 0.007+/-0.000 χ^2/NDF: 12545351.1/52



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.077+/-0.048 χ^2/NDF:10.8/9

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.063+/-0.052 χ^2/NDF:9.1/7

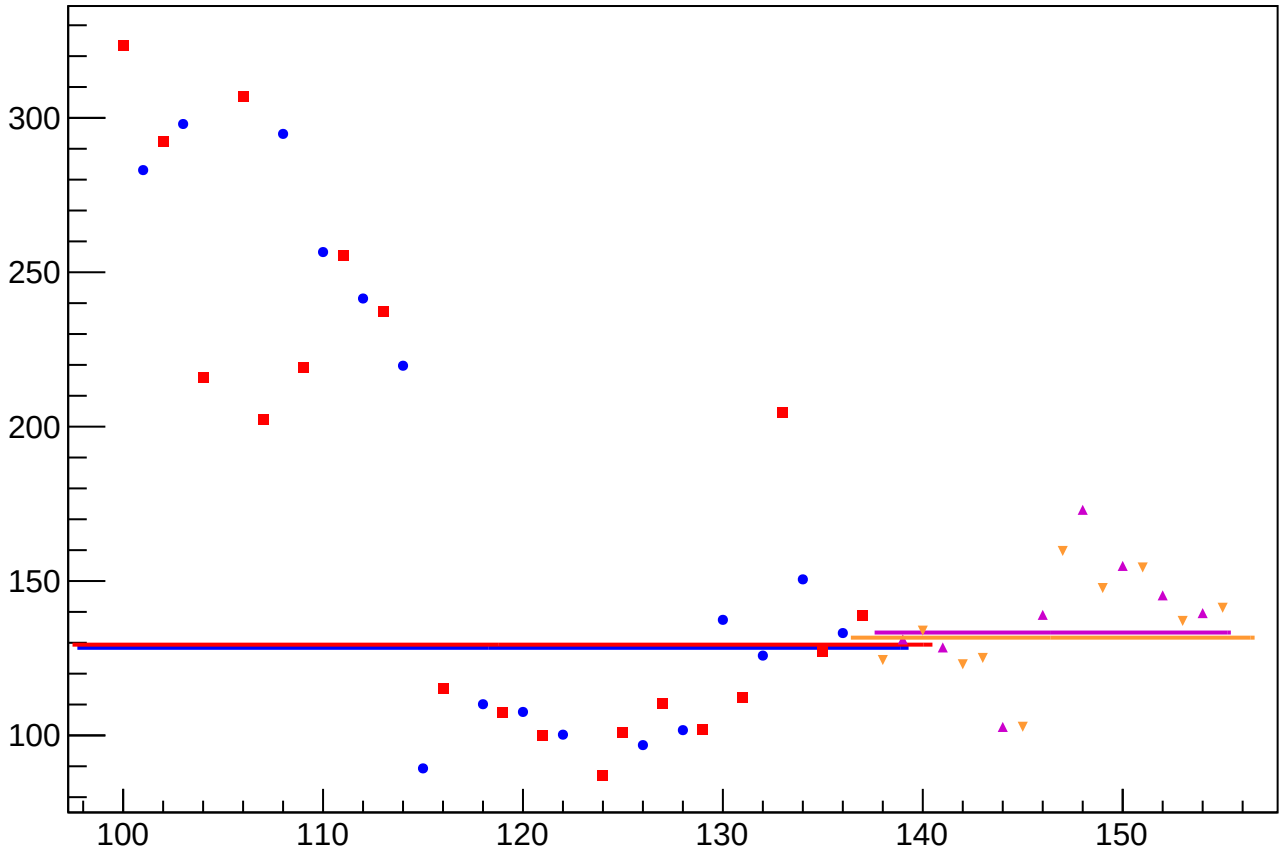
Left: 0.013+/-0.035 χ^2/NDF: 23.9/17

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.065+/-0.037 χ^2/NDF:21.6/23

Out: 0.012+/-0.035 χ^2/NDF:28.9/28

All: -0.025+/-0.025 χ^2/NDF: 52.8/52



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 131.661+/-0.034 χ^2/NDF:253046.6/9

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 133.317+/-0.037 χ^2/NDF:298558.6/7

Left: 132.421+/-0.025 χ^2/NDF: 552715.5/17

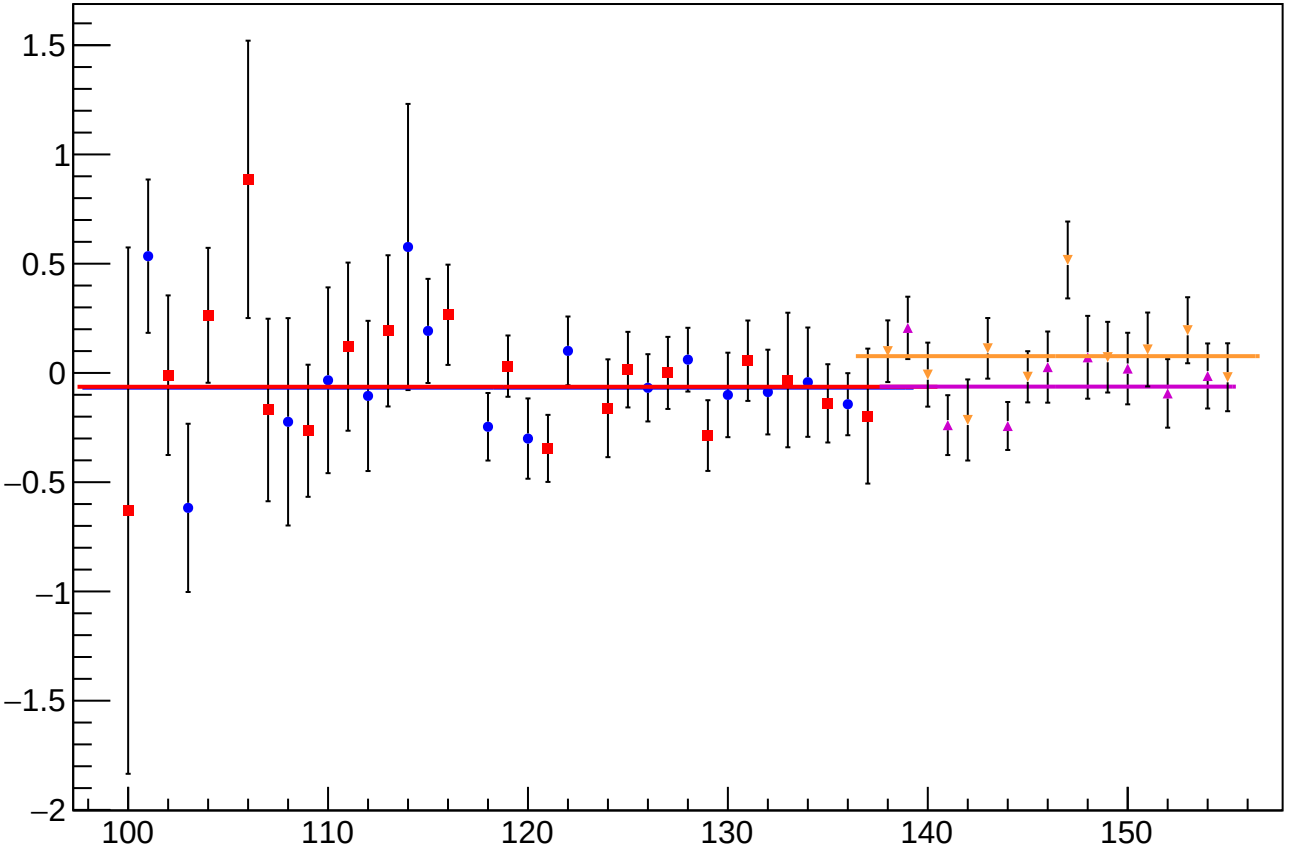
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 130.850+/-0.026 χ^2/NDF:2112702.1/23

Out: 130.620+/-0.025 χ^2/NDF:2143400.8/28

All: 130.730+/-0.018 χ^2/NDF: 4256144.1/52

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.077+/-0.048 χ^2/NDF:10.8/9

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.063+/-0.052 χ^2/NDF:9.1/7

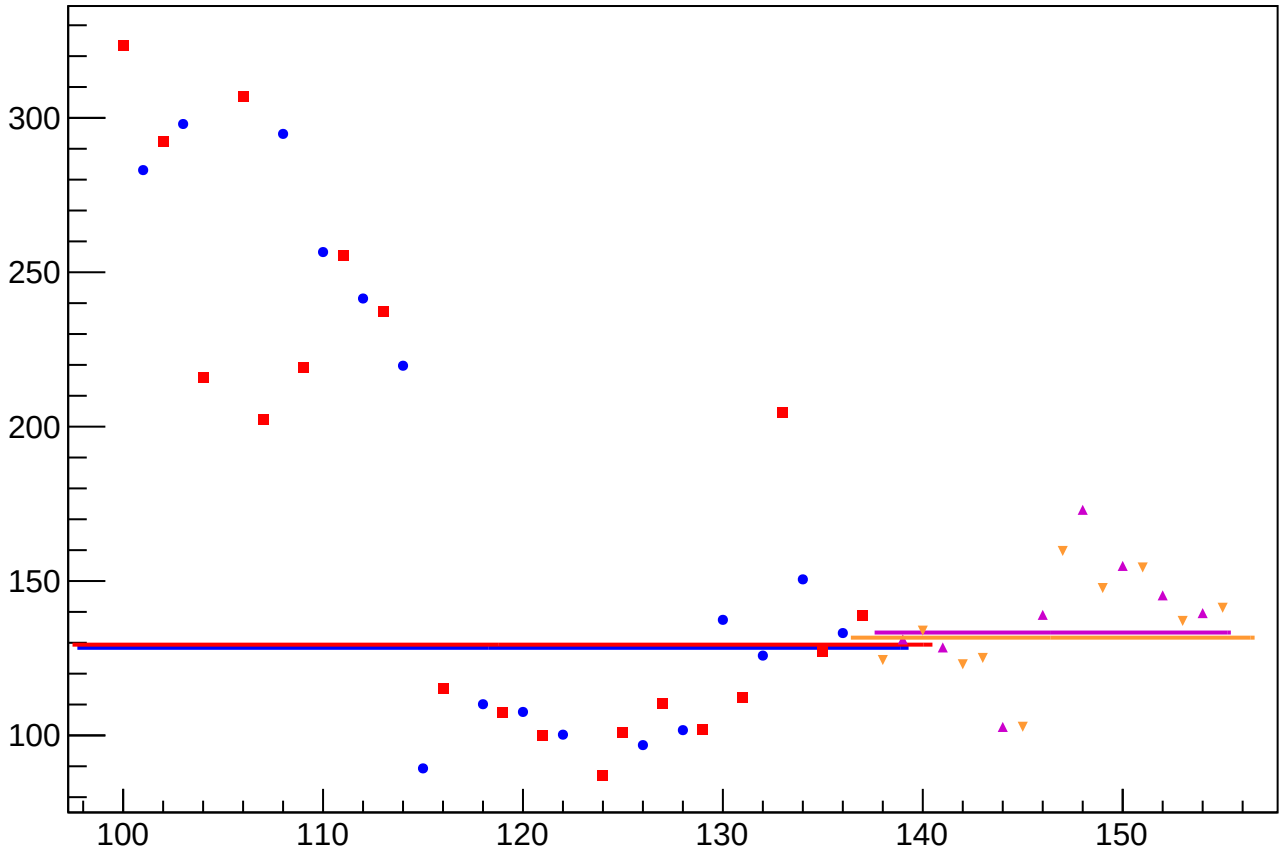
Left: 0.013+/-0.035 χ^2/NDF: 23.9/17

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.065+/-0.037 χ^2/NDF:21.6/23

Out: 0.012+/-0.035 χ^2/NDF:28.9/28

All: -0.025+/-0.025 χ^2/NDF: 52.8/52



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 131.661+/-0.034 χ^2/NDF:253046.6/9

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 133.317+/-0.037 χ^2/NDF:298558.6/7

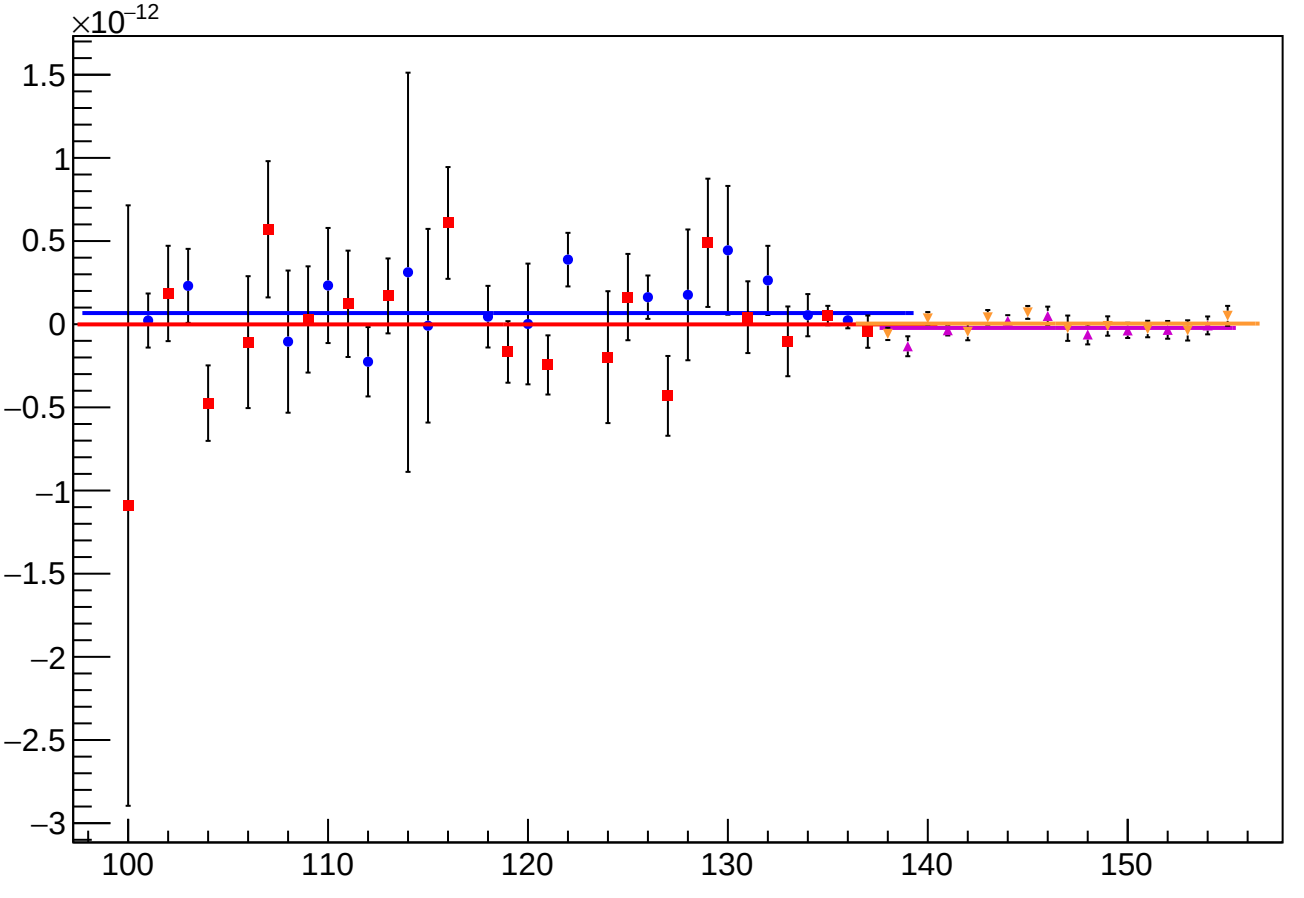
Left: 132.421+/-0.025 χ^2/NDF: 552715.5/17

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 130.850+/-0.026 χ^2/NDF:2112702.1/23

Out: 130.620+/-0.025 χ^2/NDF:2143400.8/28

All: 130.730+/-0.018 χ^2/NDF: 4256144.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/7

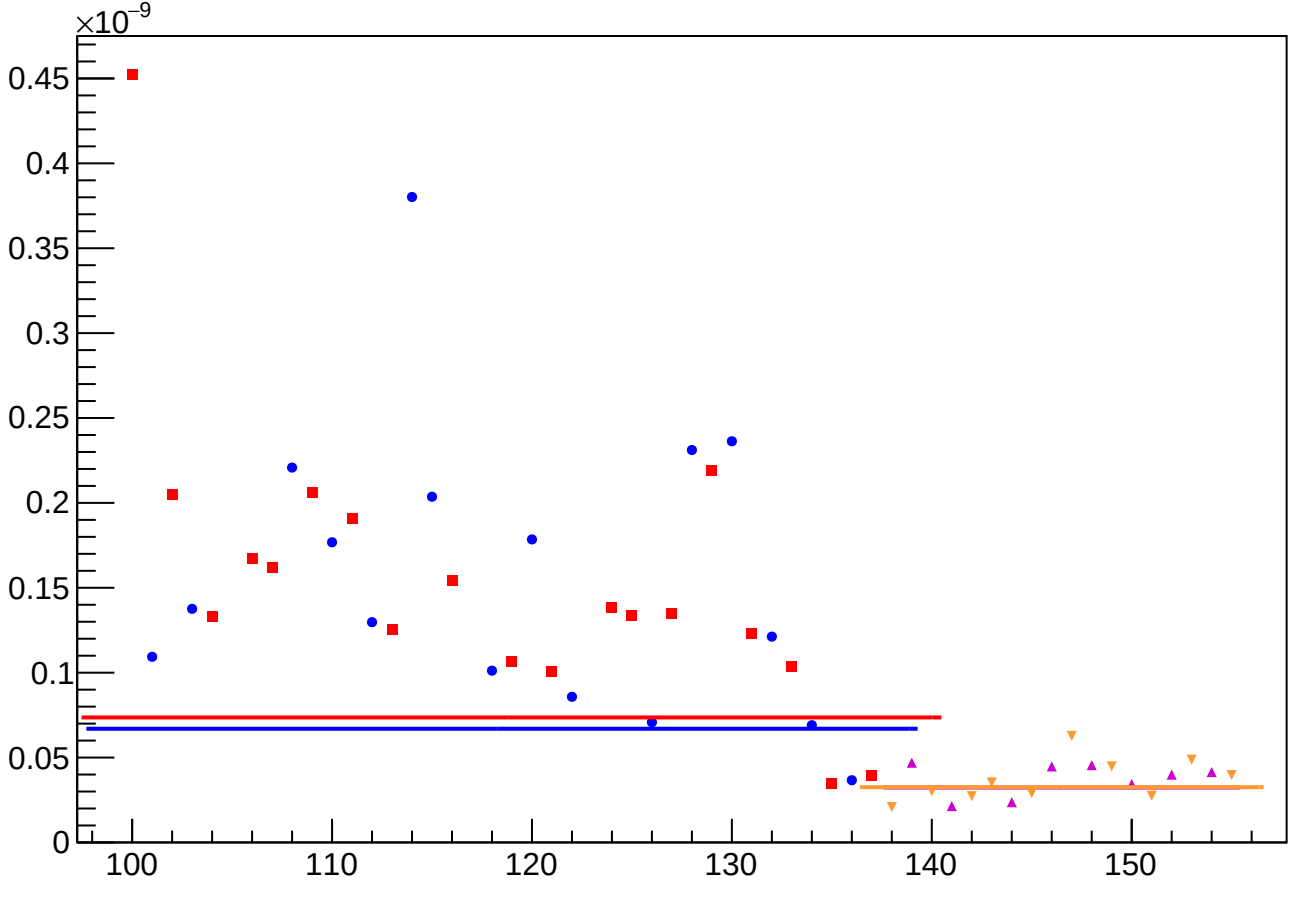
Left: -0.000+/-0.000 χ^2/NDF: 18.7/17

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:23.0/23

Out: 0.000+/-0.000 χ^2/NDF:30.5/28

All: -0.000+/-0.000 χ^2/NDF: 53.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:847257.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:787456.6/7

Left: 0.000+/-0.000 χ^2/NDF: 1634884.5/17

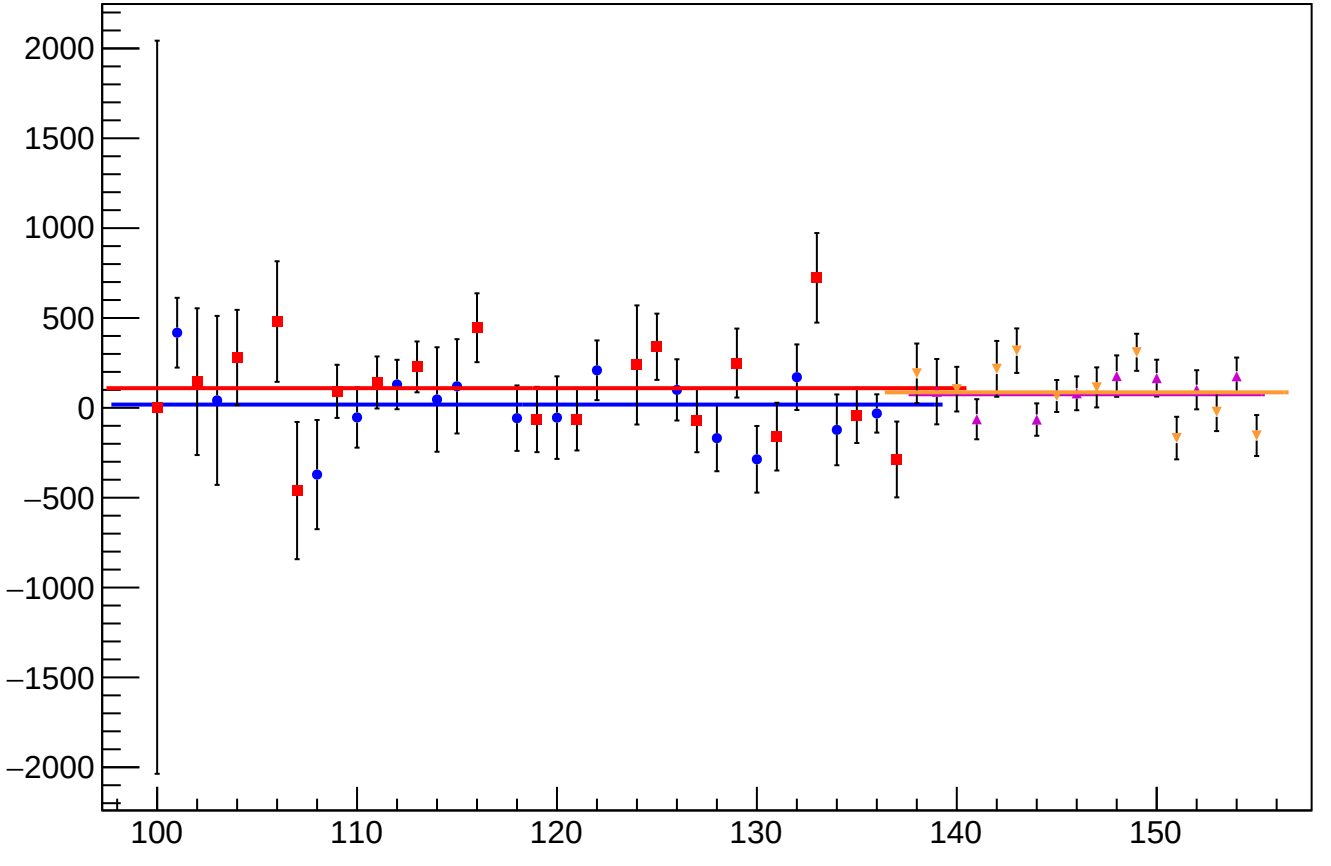
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5507883.5/23

Out: 0.000+/-0.000 χ^2/NDF:6398072.1/28

All: 0.000+/-0.000 χ^2/NDF: 11906140.9/52

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 86.311+/-36.672 χ^2/NDF:19.5/9

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 75.616+/-37.960 χ^2/NDF:6.5/7

Left: 81.148+/-26.374 χ^2/NDF: 26.1/17

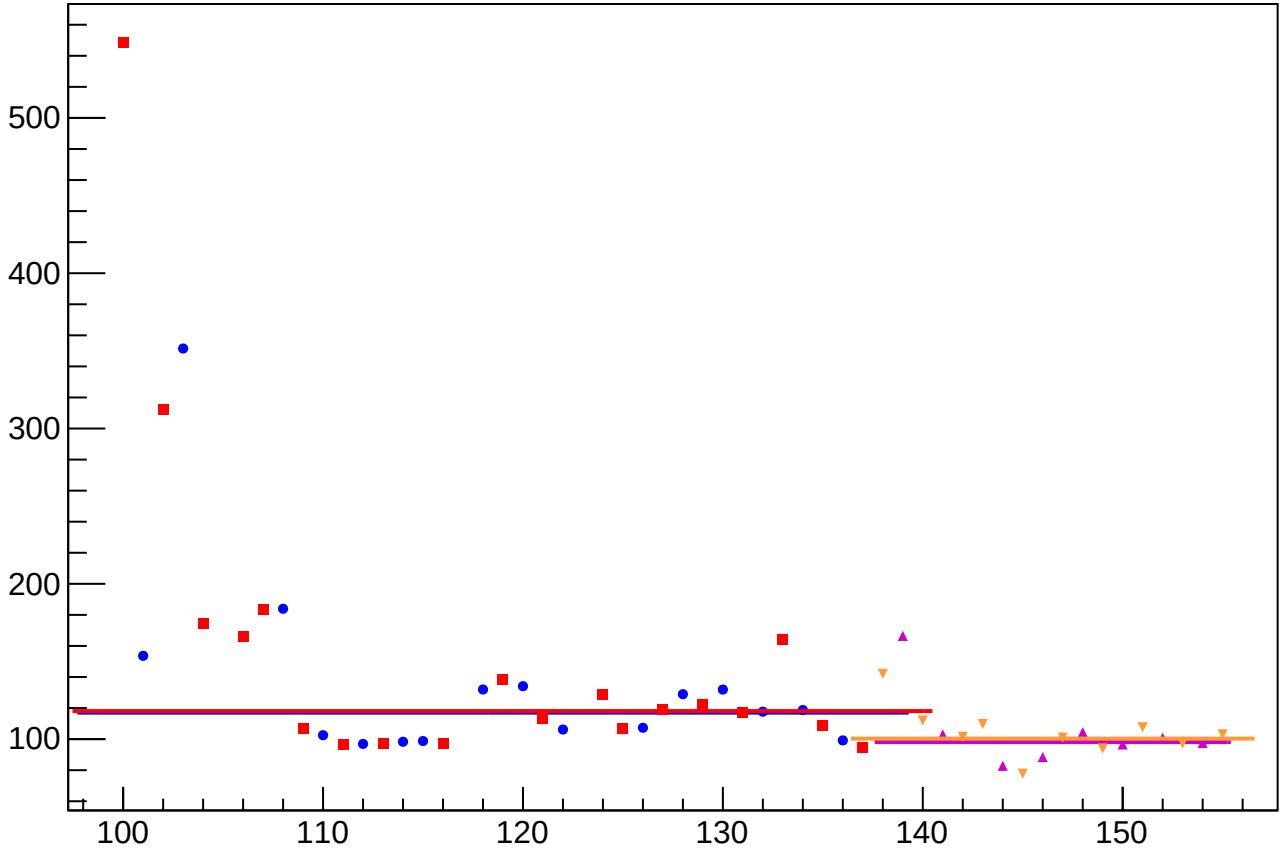
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 52.179+/-29.201 χ^2/NDF:21.3/23

Out: 95.338+/-28.632 χ^2/NDF:45.1/28

All: 74.183+/-20.444 χ^2/NDF: 67.6/52

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.334+/-0.026 χ^2/NDF:302219.3/9

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 98.106+/-0.027 χ^2/NDF:373376.5/7

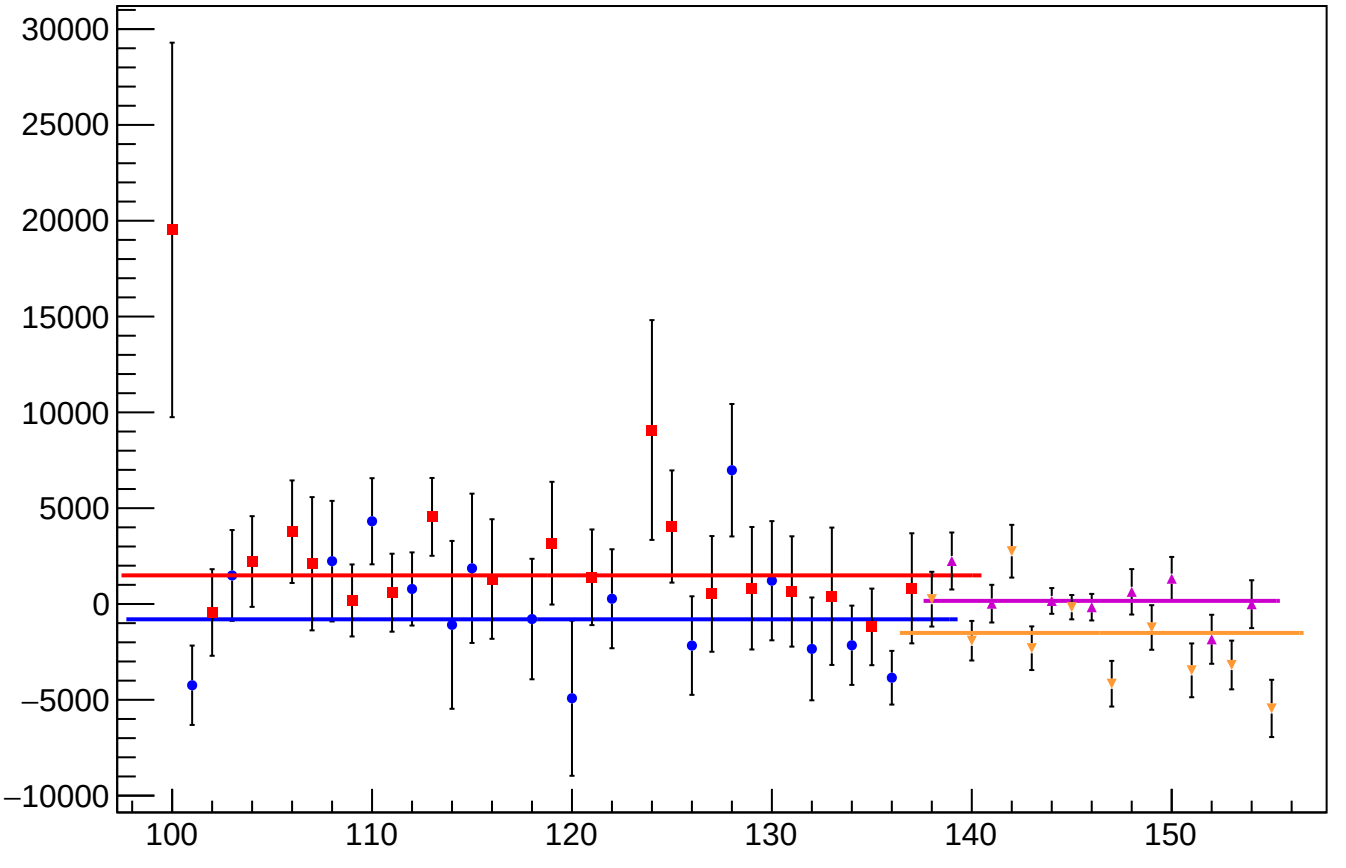
Left: 99.258+/-0.019 χ^2/NDF: 679157.8/17

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 105.845+/-0.021 χ^2/NDF:1435380.9/23

Out: 107.253+/-0.020 χ^2/NDF:1475352.4/28

All: 106.563+/-0.014 χ^2/NDF: 2913105.5/52



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1509.499+/-348.730 χ^2/NDF:31.9/9

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 162.991+/-342.496 χ^2/NDF:5.9/7

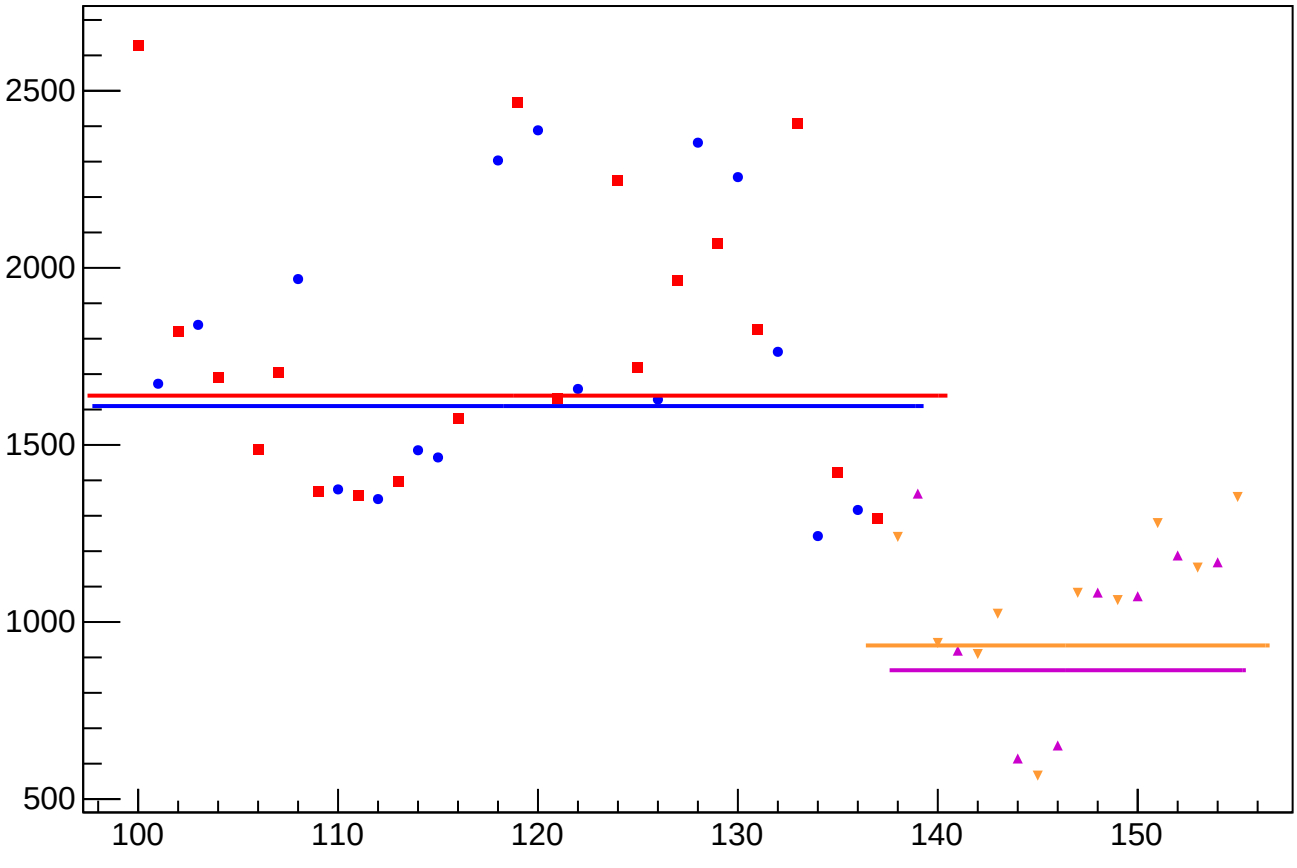
Left: -658.171+/-244.356 χ^2/NDF: 49.5/17

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -64.197+/-299.340 χ^2/NDF:31.2/23

Out: -775.326+/-303.125 χ^2/NDF:62.9/28

All: -415.294+/-212.991 χ^2/NDF: 96.9/52



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 933.821+/-0.247 χ^2/NDF:1168673.5/9

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 863.823+/-0.242 χ^2/NDF:1078299.4/7

Left: 898.191+/-0.173 χ^2/NDF: 2287988.0/17

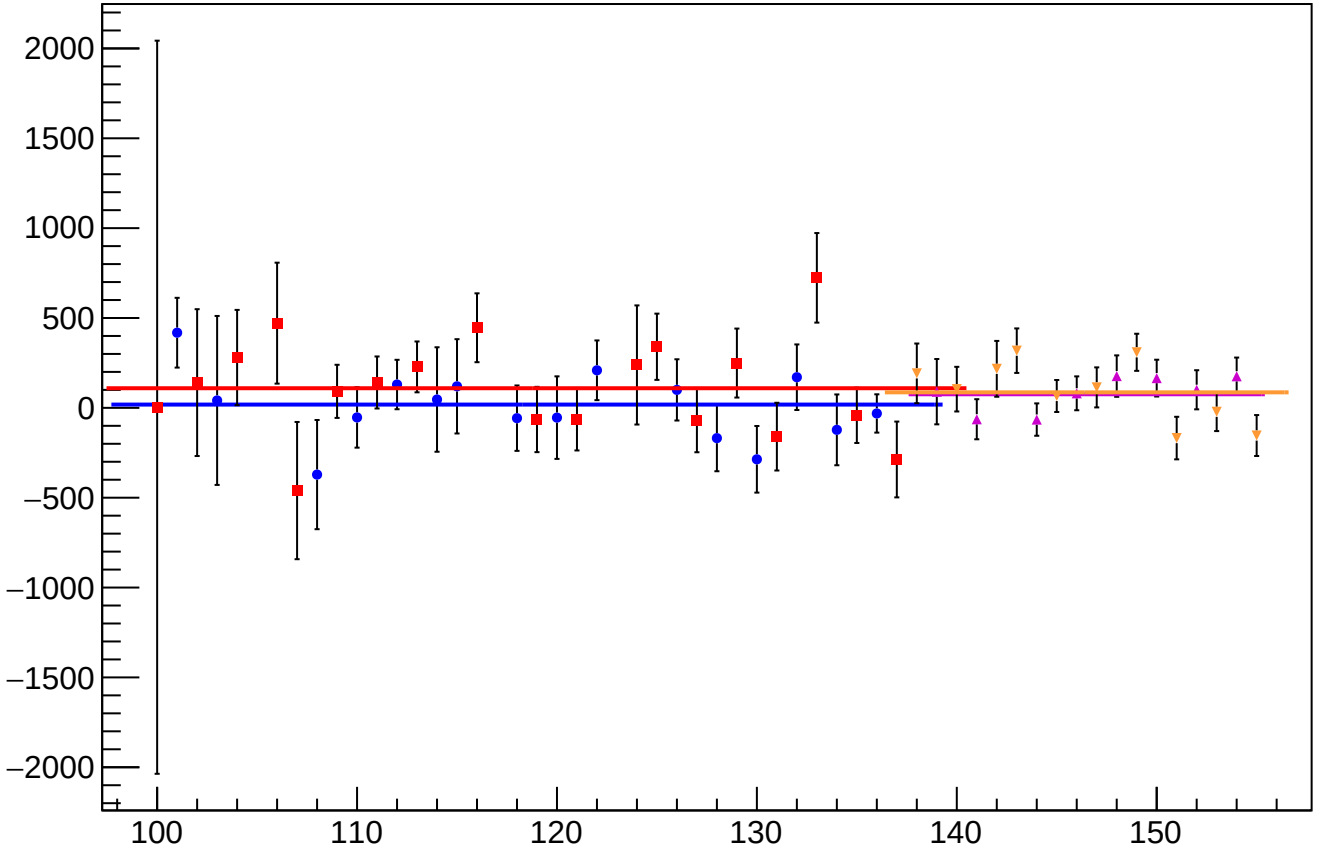
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1039.968+/-0.212 χ^2/NDF:3937711.3/23

Out: 1106.259+/-0.214 χ^2/NDF:3689327.1/28

All: 1072.697+/-0.151 χ^2/NDF: 7675465.0/52

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 86.317+/-36.672 χ^2/NDF:19.5/9

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 75.616+/-37.960 χ^2/NDF:6.5/7

Left: 81.151+/-26.374 χ^2/NDF: 26.1/17

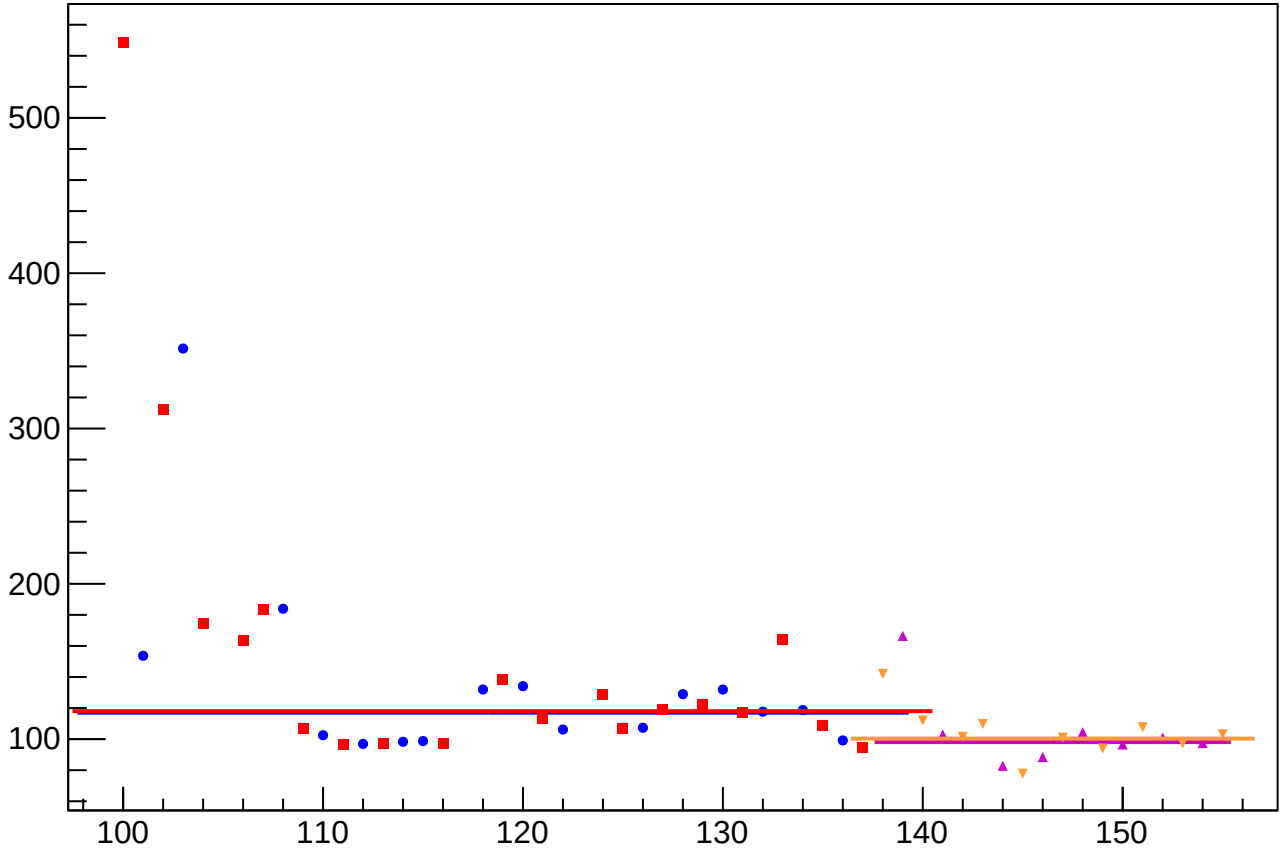
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 52.174+/-29.201 χ^2/NDF:21.3/23

Out: 95.230+/-28.633 χ^2/NDF:45.1/28

All: 74.125+/-20.444 χ^2/NDF: 67.5/52

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.334+/-0.026 χ^2/NDF:302219.3/9

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 98.106+/-0.027 χ^2/NDF:373376.5/7

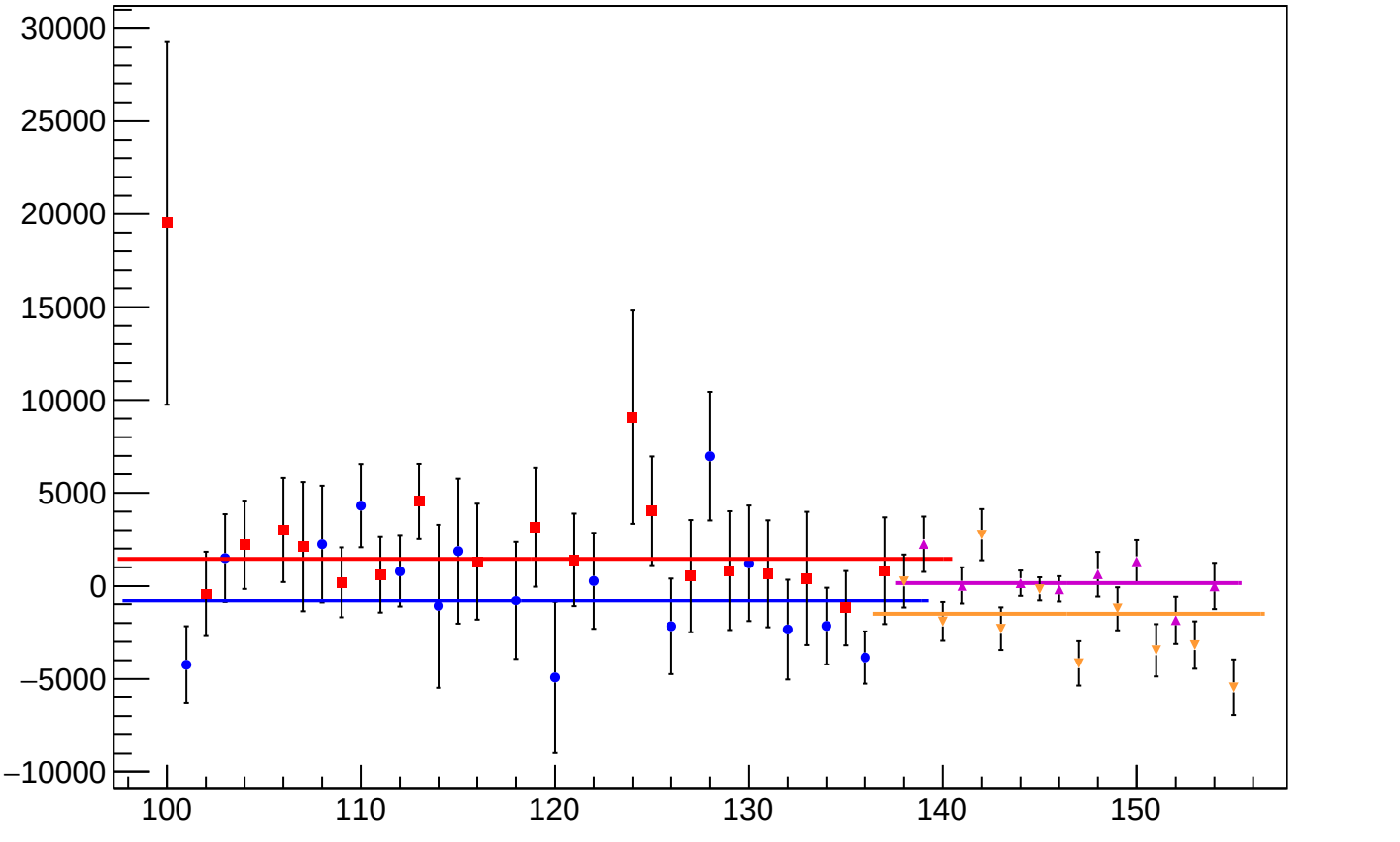
Left: 99.258+/-0.019 χ^2/NDF: 679157.8/17

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 105.845+/-0.021 χ^2/NDF:1435382.8/23

Out: 107.232+/-0.020 χ^2/NDF:1470079.4/28

All: 106.552+/-0.014 χ^2/NDF: 2907765.0/52



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1509.491+/-348.730 χ^2/NDF:31.9/9

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 162.999+/-342.496 χ^2/NDF:5.9/7

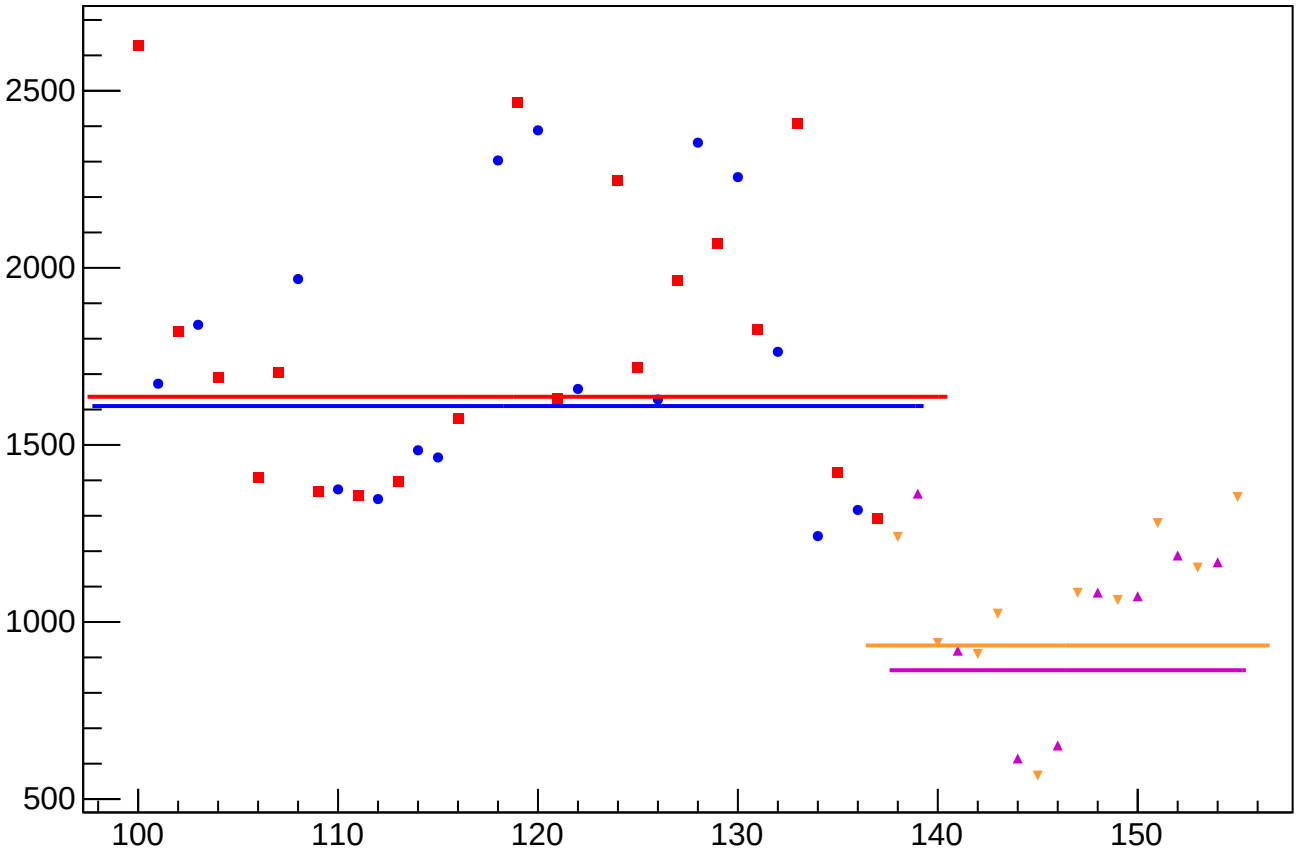
Left: -658.163+/-244.355 χ^2/NDF: 49.5/17

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -64.185+/-299.340 χ^2/NDF:31.2/23

Out: -788.828+/-303.287 χ^2/NDF:61.9/28

All: -421.760+/-213.047 χ^2/NDF: 95.9/52



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 933.820+/-0.247 χ^2/NDF:1168674.2/9

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 863.823+/-0.242 χ^2/NDF:1078302.6/7

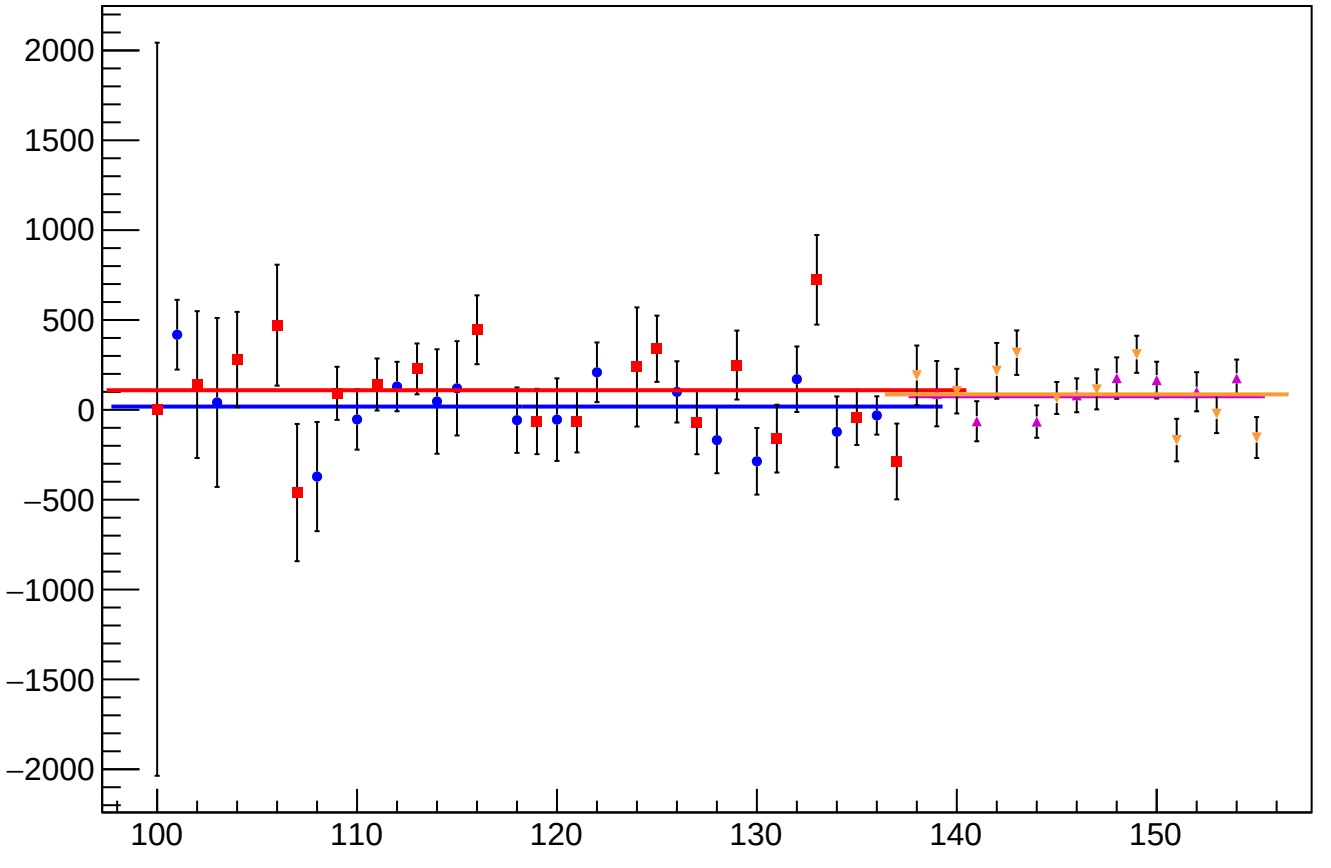
Left: 898.190+/-0.173 χ^2/NDF: 2287991.9/17

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1039.968+/-0.212 χ^2/NDF:3937776.0/23

Out: 1104.909+/-0.214 χ^2/NDF:3672315.3/28

All: 1072.013+/-0.151 χ^2/NDF: 7656540.8/52



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 86.317+/-36.672 χ^2/NDF:19.5/9

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 75.616+/-37.960 χ^2/NDF:6.5/7

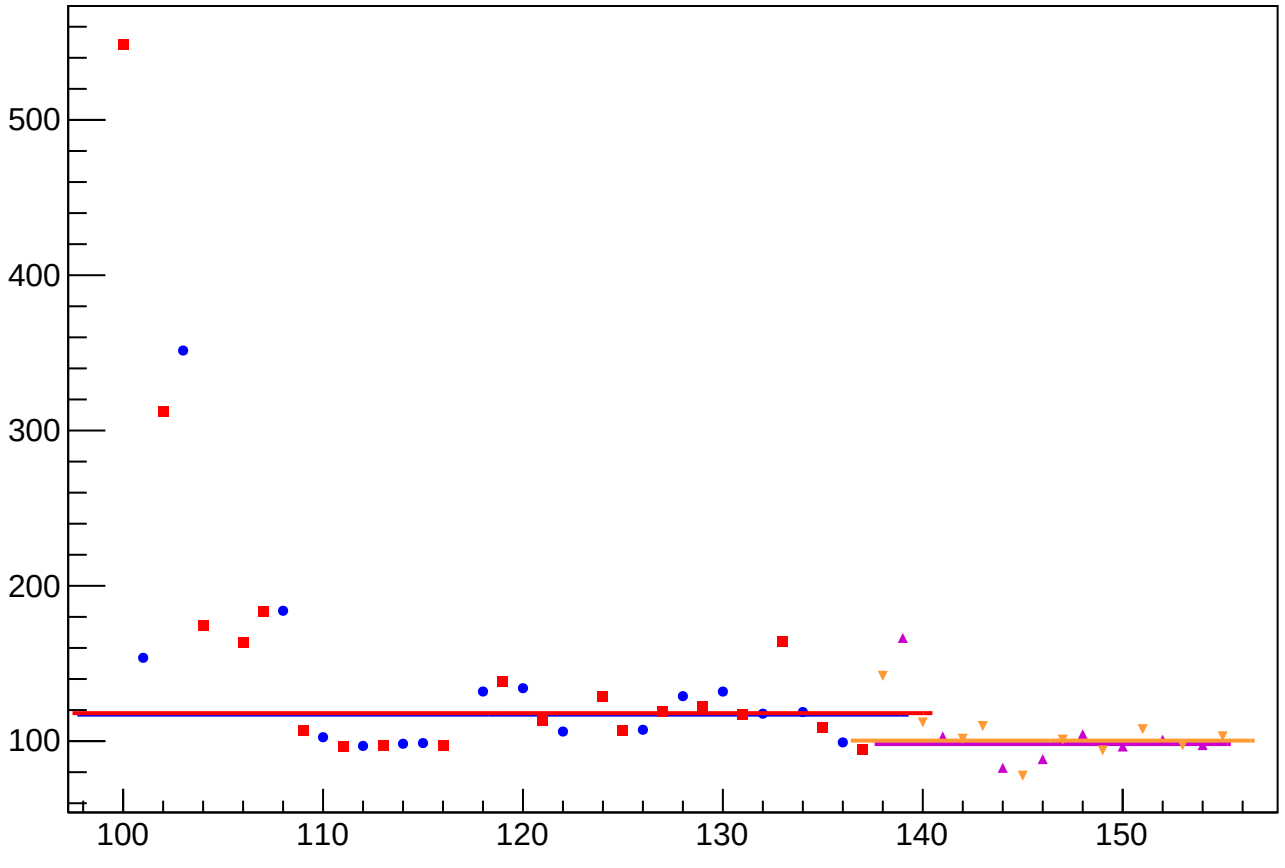
Left: 81.151+/-26.374 χ^2/NDF: 26.1/17

Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 52.174+/-29.201 χ^2/NDF:21.3/23

Out: 95.230+/-28.633 χ^2/NDF:45.1/28

All: 74.125+/-20.444 χ^2/NDF: 67.5/52



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.334+/-0.026 χ^2/NDF:302219.3/9

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 98.106+/-0.027 χ^2/NDF:373376.5/7

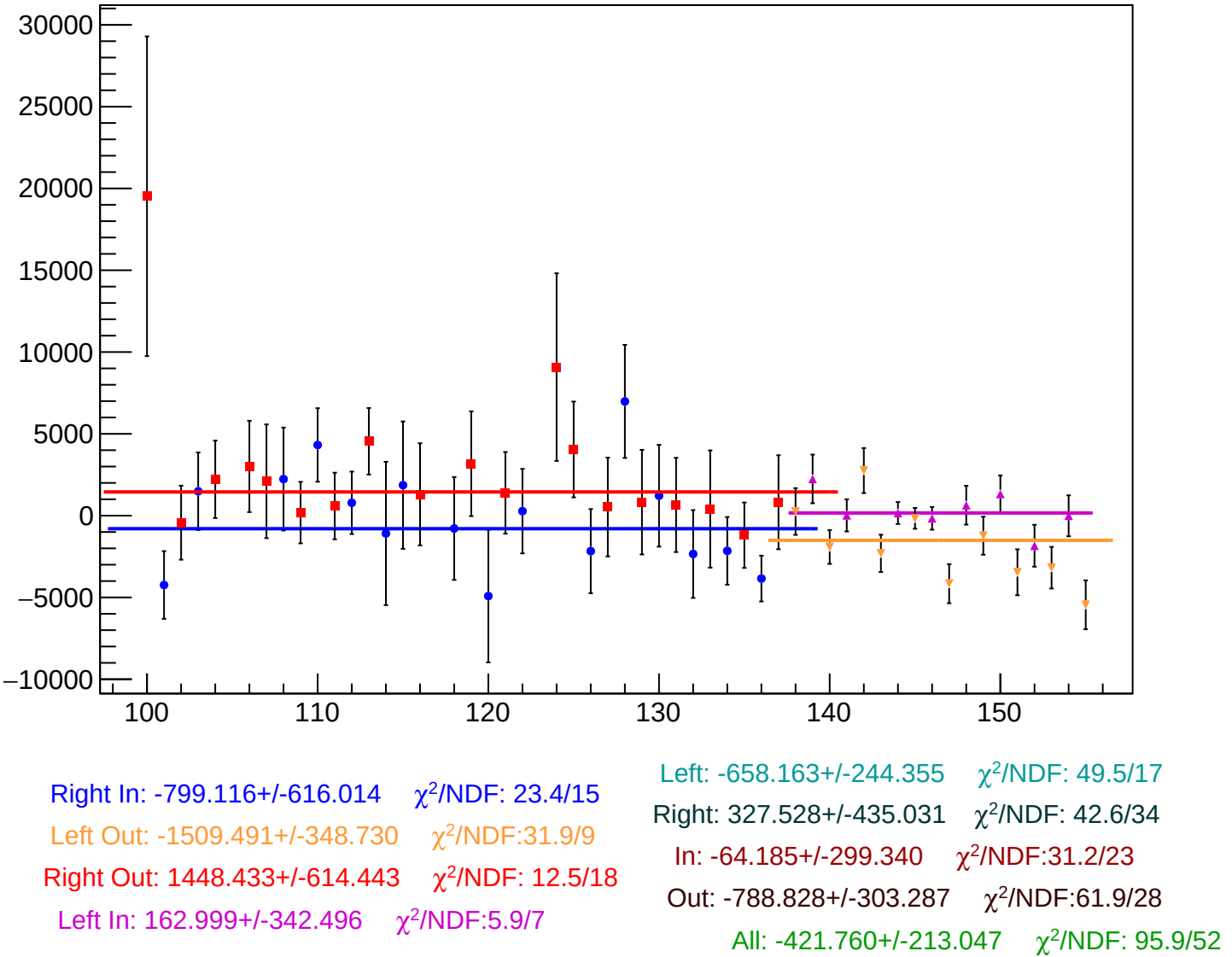
Left: 99.258+/-0.019 χ^2/NDF: 679157.8/17

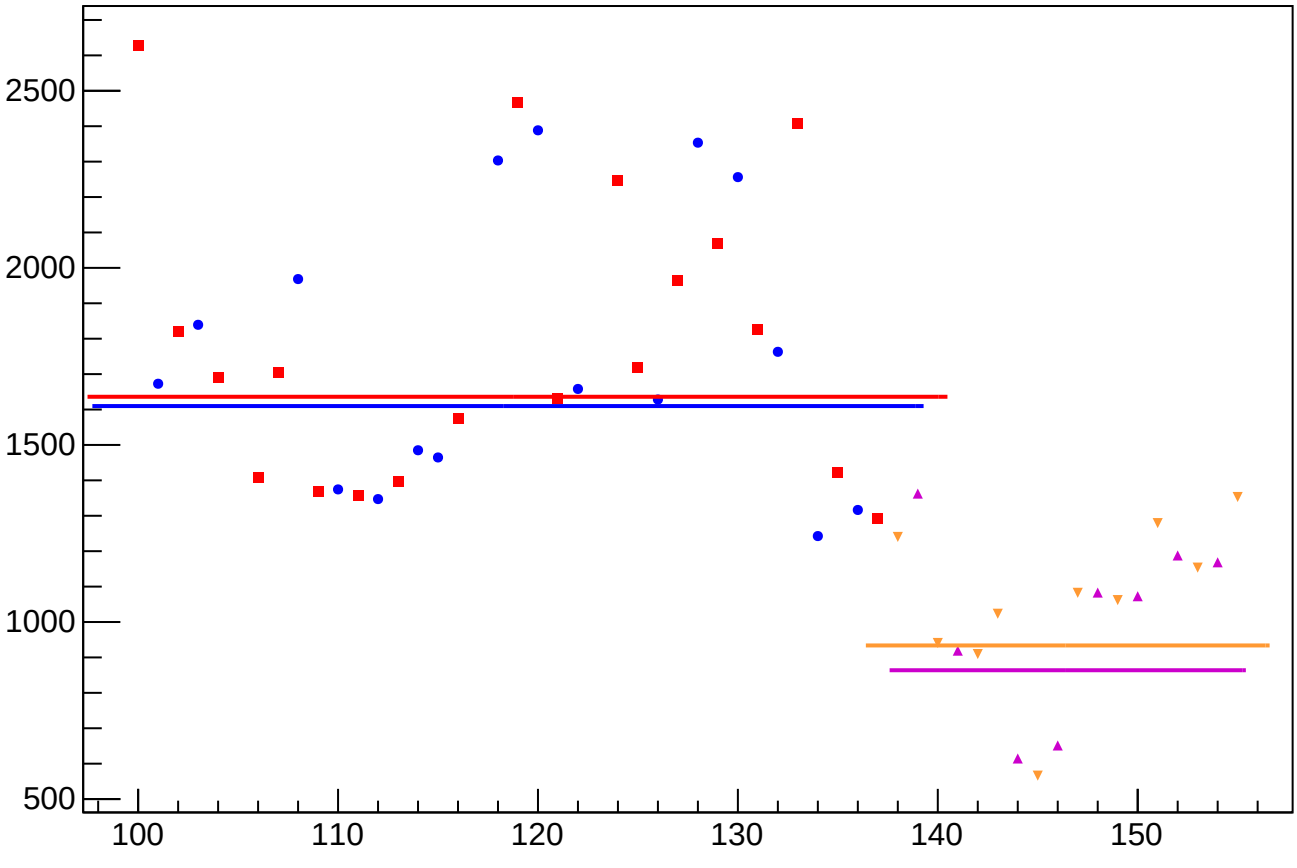
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 105.845+/-0.021 χ^2/NDF:1435382.8/23

Out: 107.232+/-0.020 χ^2/NDF:1470079.4/28

All: 106.552+/-0.014 χ^2/NDF: 2907765.0/52


asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -799.116+/-616.014 χ²/NDF: 23.4/15
Left Out: -1509.491+/-348.730 χ²/NDF:31.9/9
Right Out: 1448.433+/-614.443 χ²/NDF: 12.5/18
Left In: 162.999+/-342.496 χ²/NDF:5.9/7
Left: -658.163+/-244.355 χ²/NDF: 49.5/17
Right: 327.528+/-435.031 χ²/NDF: 42.6/34
In: -64.185+/-299.340 χ²/NDF:31.2/23
Out: -788.828+/-303.287 χ²/NDF:61.9/28
All: -421.760+/-213.047 χ²/NDF: 95.9/52



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 933.820+/-0.247 χ^2/NDF:1168674.2/9

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 863.823+/-0.242 χ^2/NDF:1078302.6/7

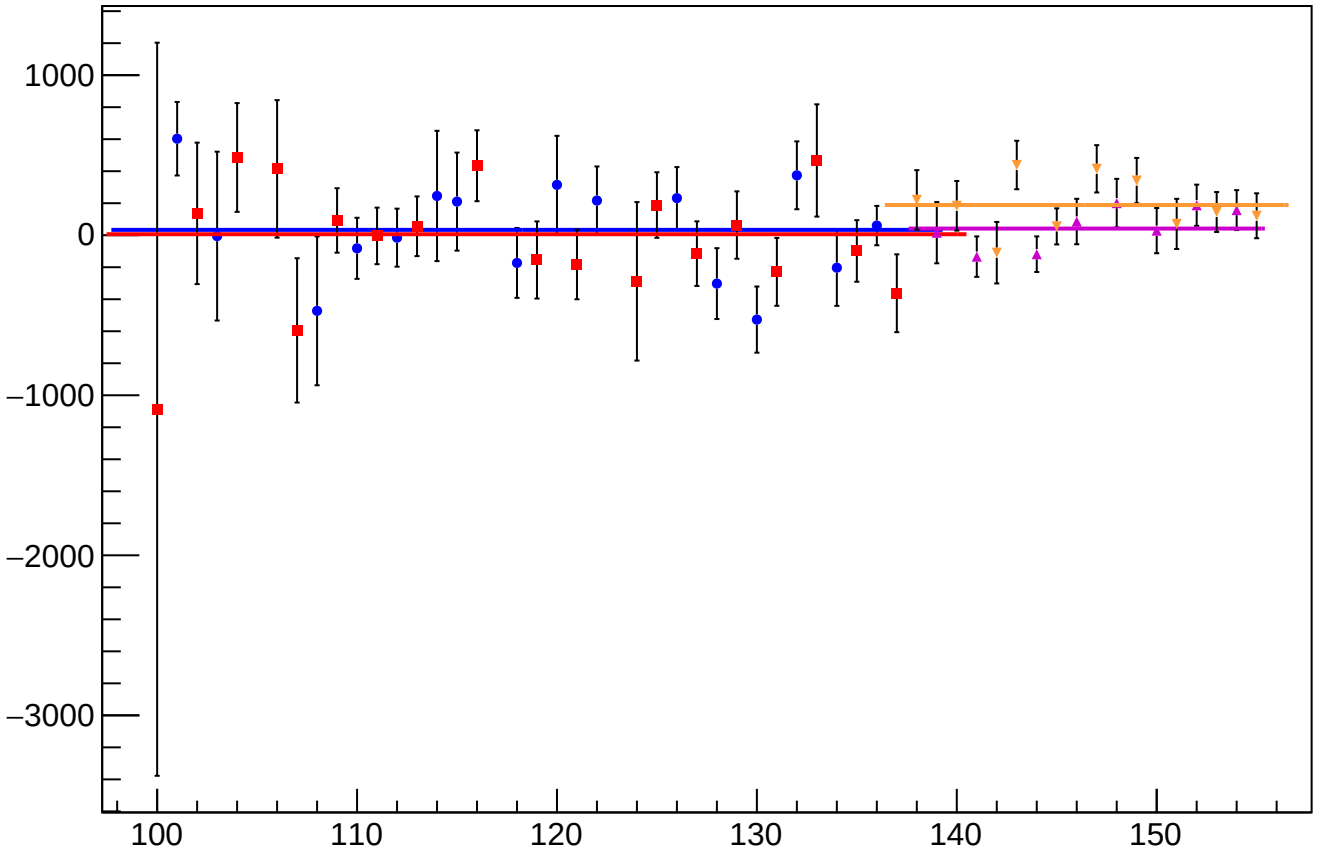
Left: 898.190+/-0.173 χ^2/NDF: 2287991.9/17

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1039.968+/-0.212 χ^2/NDF:3937776.0/23

Out: 1104.909+/-0.214 χ^2/NDF:3672315.3/28

All: 1072.013+/-0.151 χ^2/NDF: 7656540.8/52



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 188.672+/-46.058 χ^2/NDF:11.0/9

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 41.574+/-47.755 χ^2/NDF:7.4/7

Left: 117.783+/-33.152 χ^2/NDF: 23.3/17

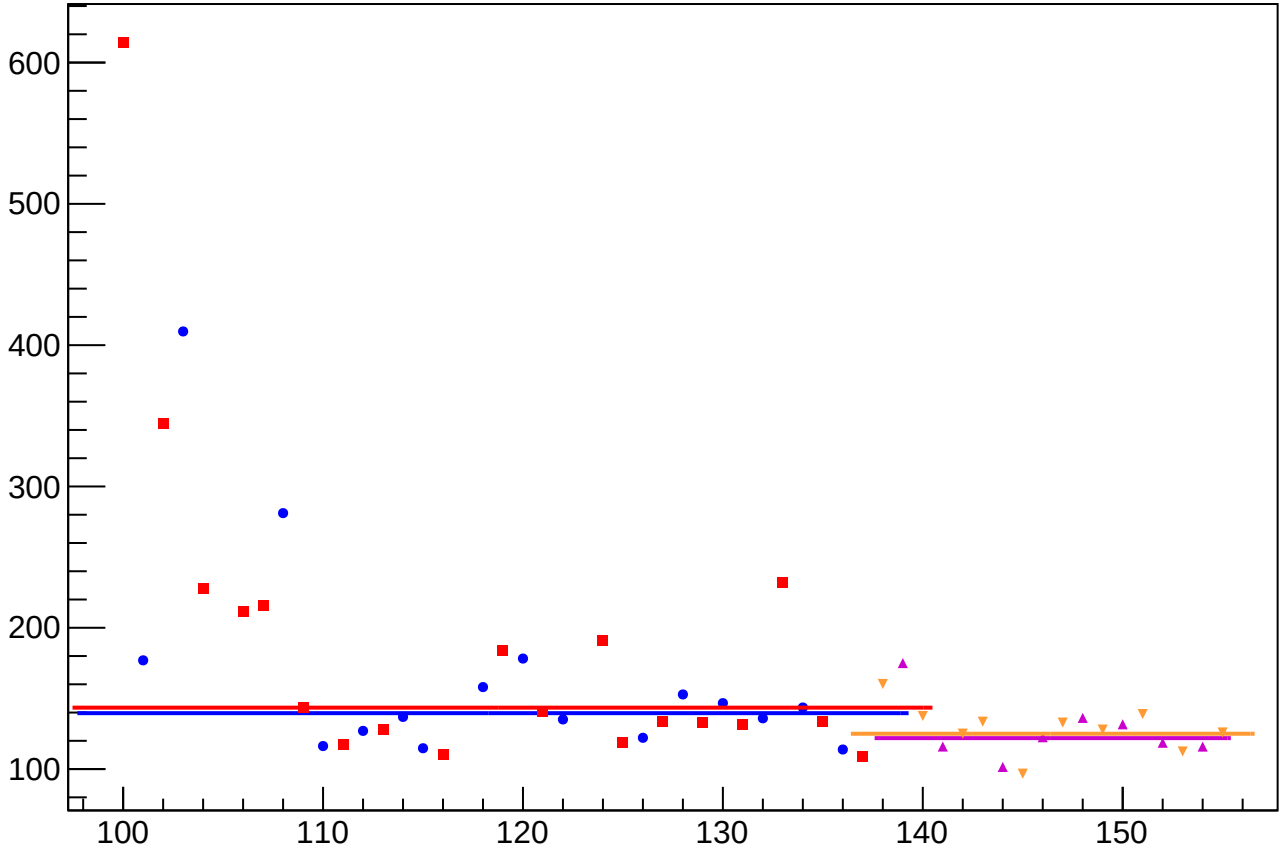
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 38.084+/-36.033 χ^2/NDF:32.5/23

Out: 115.148+/-35.595 χ^2/NDF:34.6/28

All: 77.087+/-25.323 χ^2/NDF: 69.5/52

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 125.013+/-0.033 χ^2/NDF:259466.1/9

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 121.899+/-0.034 χ^2/NDF:259232.5/7

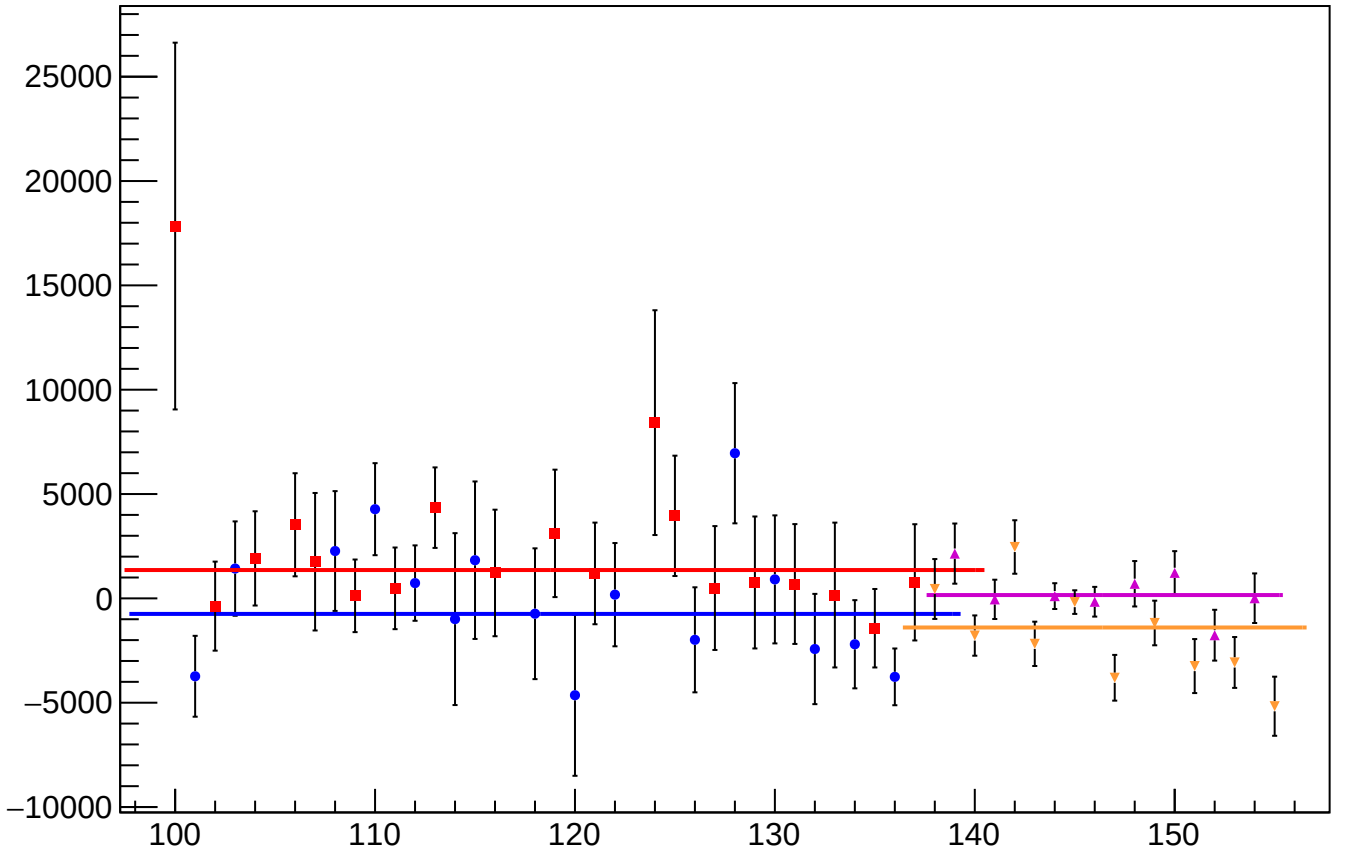
Left: 123.512+/-0.023 χ^2/NDF: 523106.0/17

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 129.508+/-0.025 χ^2/NDF:1353860.1/23

Out: 132.450+/-0.025 χ^2/NDF:1505608.3/28

All: 130.997+/-0.018 χ^2/NDF: 2866218.2/52



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1395.297+/-321.884 χ^2/NDF:31.9/9

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 159.218+/-326.977 χ^2/NDF:6.0/7

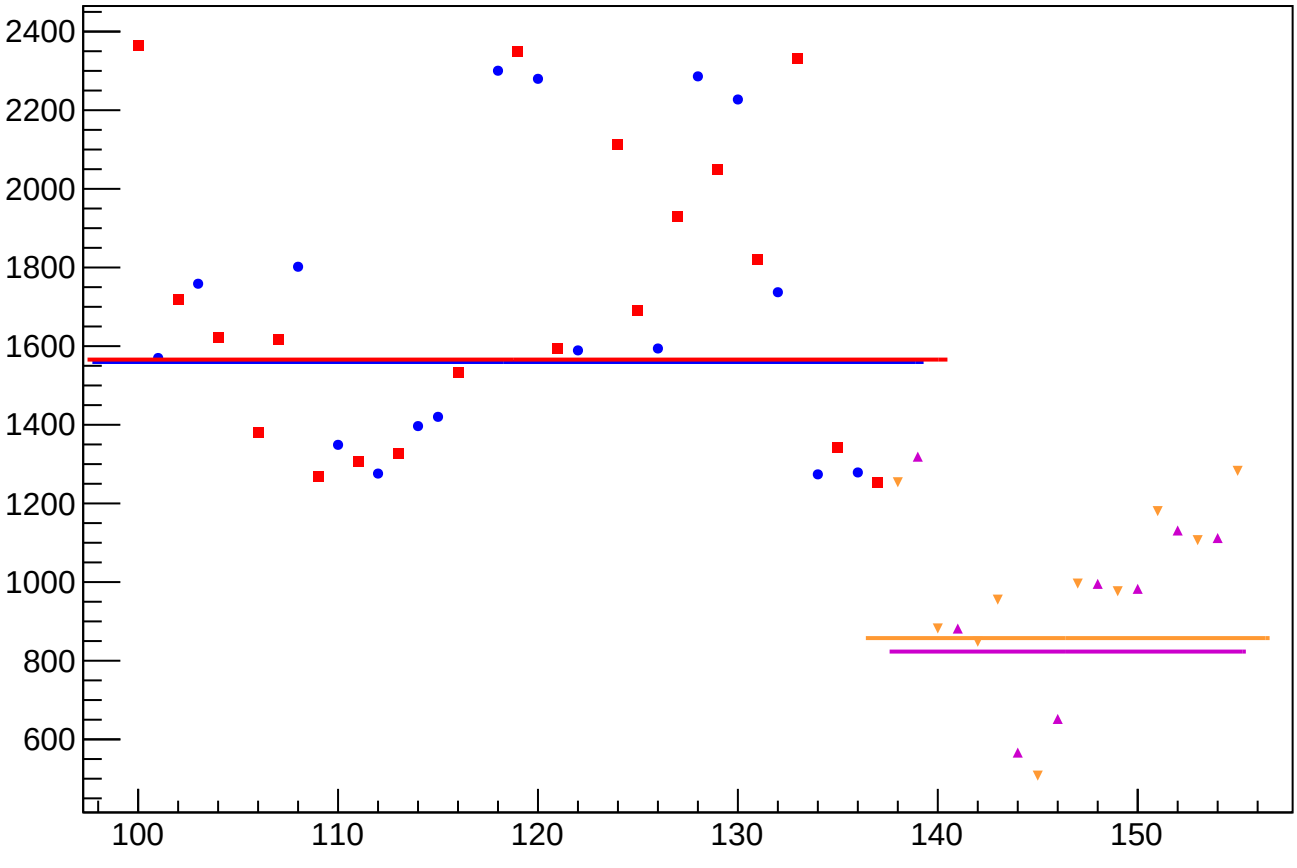
Left: -630.241+/-229.386 χ^2/NDF: 49.4/17

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -50.003+/-286.648 χ^2/NDF:31.2/23

Out: -756.832+/-282.103 χ^2/NDF:62.4/28

All: -409.066+/-201.065 χ^2/NDF: 96.7/52



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 857.548+/-0.228 χ^2/NDF:1379599.0/9

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 823.267+/-0.231 χ^2/NDF:1048672.5/7

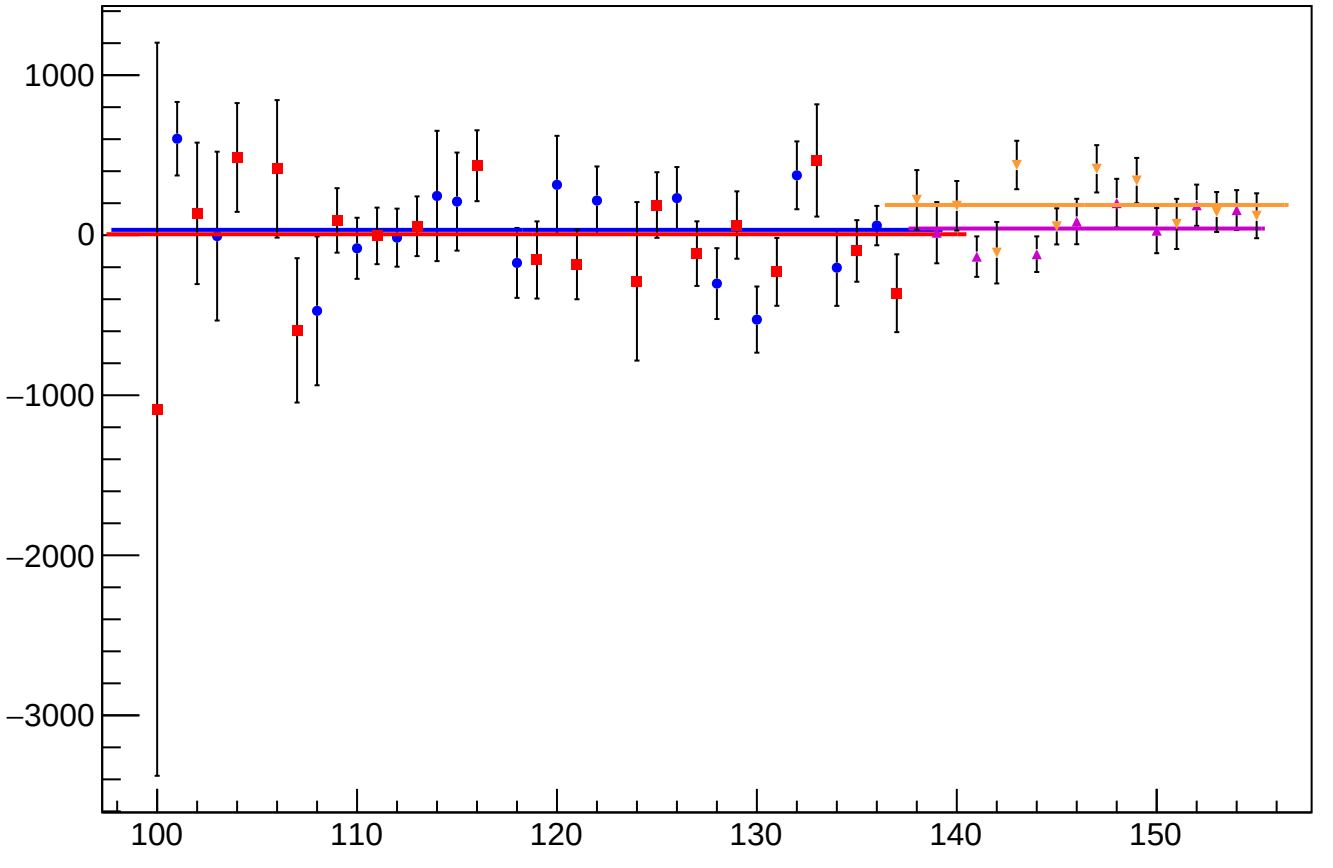
Left: 840.677+/-0.162 χ^2/NDF: 2439436.0/17

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 993.733+/-0.203 χ^2/NDF:4001360.6/23

Out: 1021.795+/-0.199 χ^2/NDF:4188988.4/28

All: 1007.988+/-0.142 χ^2/NDF: 8200085.8/52



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 188.675+/-46.059 χ^2/NDF:11.0/9

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 41.574+/-47.756 χ^2/NDF:7.4/7

Left: 117.785+/-33.152 χ^2/NDF: 23.3/17

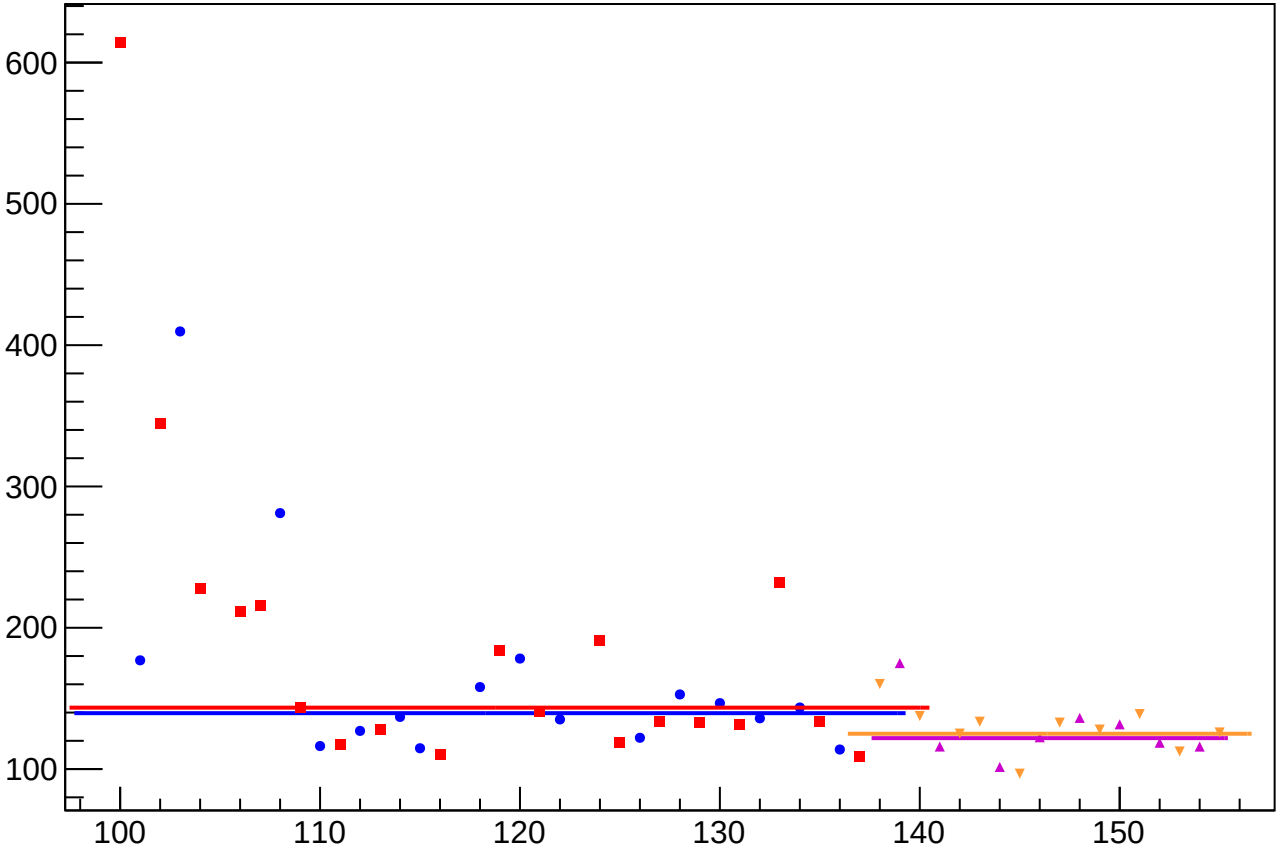
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 38.084+/-36.034 χ^2/NDF:32.5/23

Out: 115.147+/-35.596 χ^2/NDF:34.6/28

All: 77.087+/-25.323 χ^2/NDF: 69.5/52

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 125.014+/-0.033 χ^2/NDF:259470.9/9

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 121.900+/-0.034 χ^2/NDF:259229.0/7

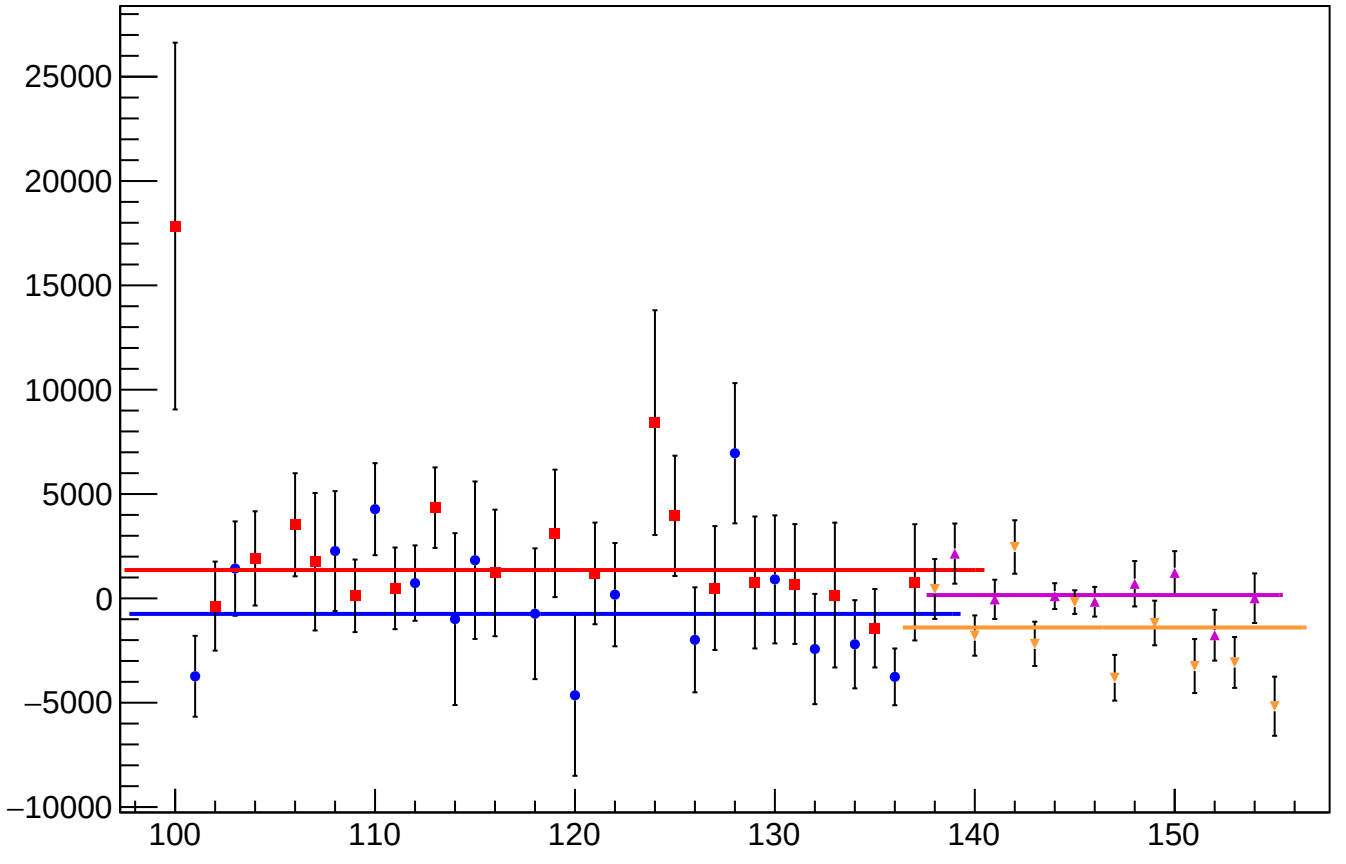
Left: 123.513+/-0.023 χ^2/NDF: 523107.6/17

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 129.508+/-0.025 χ^2/NDF:1353852.2/23

Out: 132.451+/-0.025 χ^2/NDF:1505613.3/28

All: 130.998+/-0.018 χ^2/NDF: 2866215.9/52



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1395.299+/-321.883 χ^2/NDF:31.9/9

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 159.217+/-326.977 χ^2/NDF:6.0/7

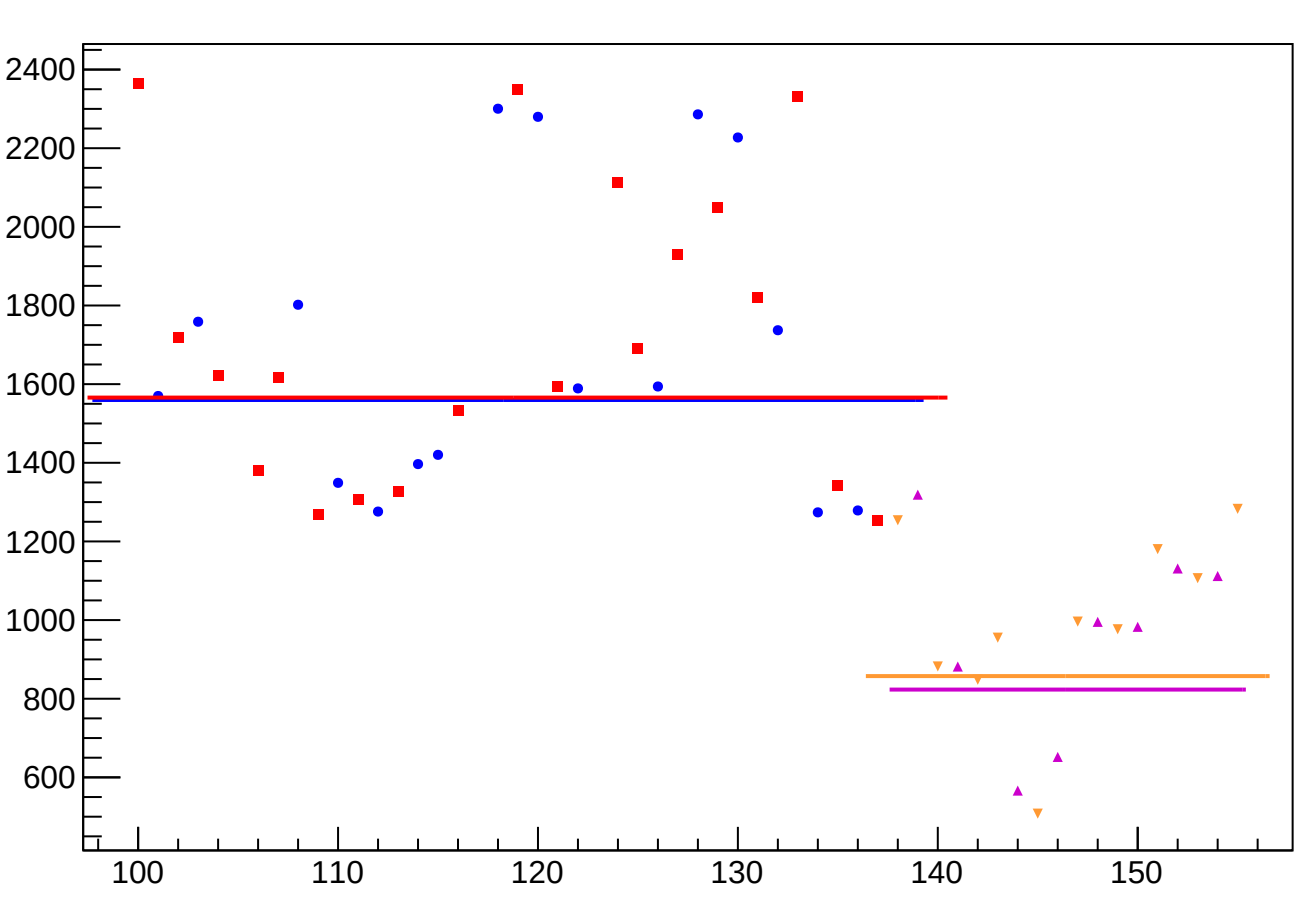
Left: -630.243+/-229.386 χ^2/NDF: 49.4/17

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -50.003+/-286.648 χ^2/NDF:31.2/23

Out: -756.833+/-282.103 χ^2/NDF:62.4/28

All: -409.066+/-201.064 χ^2/NDF: 96.7/52



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 857.547+/-0.228 χ^2/NDF:1379596.5/9

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 823.266+/-0.231 χ^2/NDF:1048670.6/7

Left: 840.676+/-0.162 χ^2/NDF: 2439431.5/17

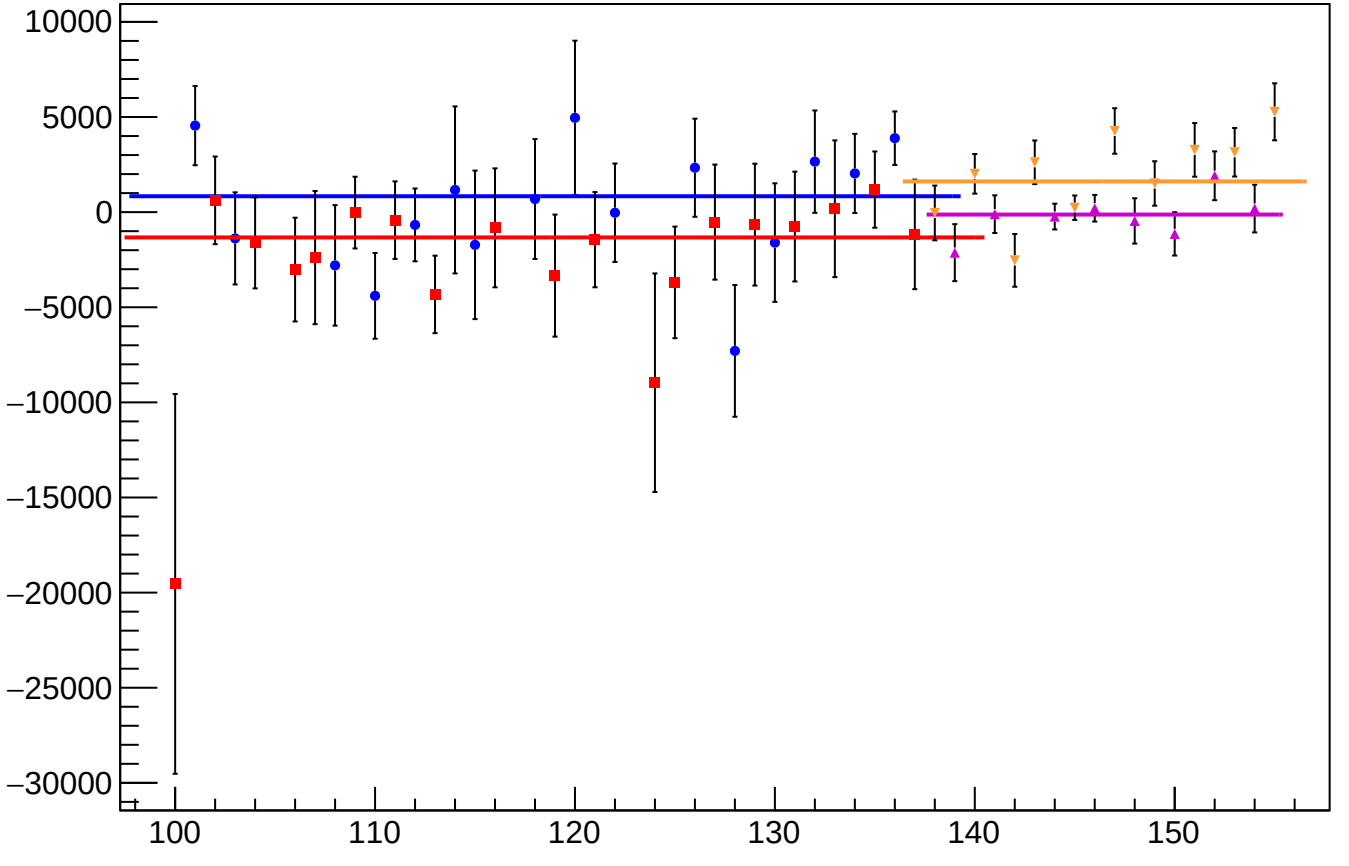
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 993.732+/-0.203 χ^2/NDF:4001359.6/23

Out: 1021.794+/-0.199 χ^2/NDF:4188982.4/28

All: 1007.987+/-0.142 χ^2/NDF: 8200078.7/52

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1613.741+/-351.112 χ^2/NDF:29.6/9

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -127.323+/-345.063 χ^2/NDF:5.5/7

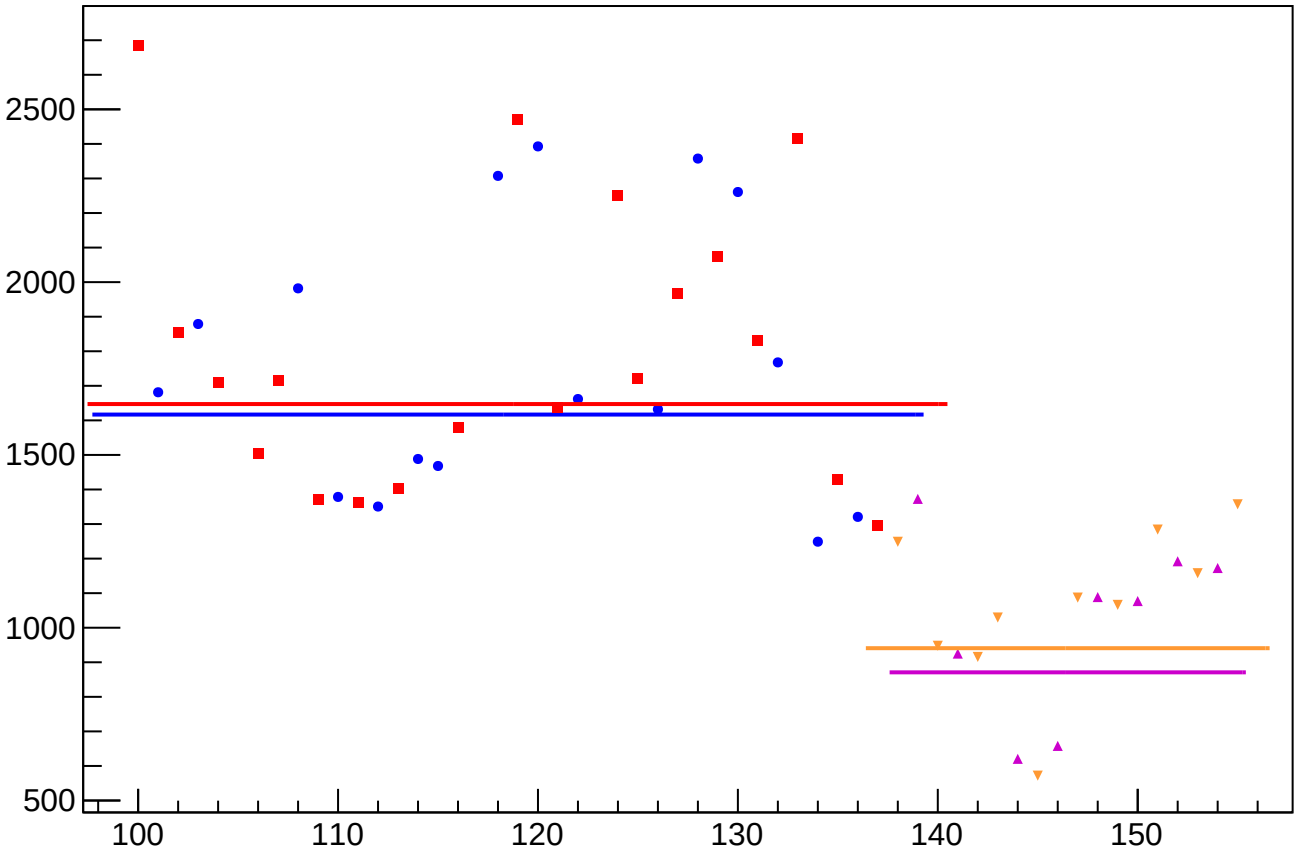
Left: 728.080+/-246.107 χ^2/NDF: 47.6/17

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 101.065+/-301.371 χ^2/NDF:32.2/23

Out: 892.752+/-305.092 χ^2/NDF:58.9/28

All: 492.051+/-214.405 χ^2/NDF: 94.5/52



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 940.783+/-0.248 χ^2/NDF:1148535.7/9

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 870.883+/-0.244 χ^2/NDF:1061572.1/7

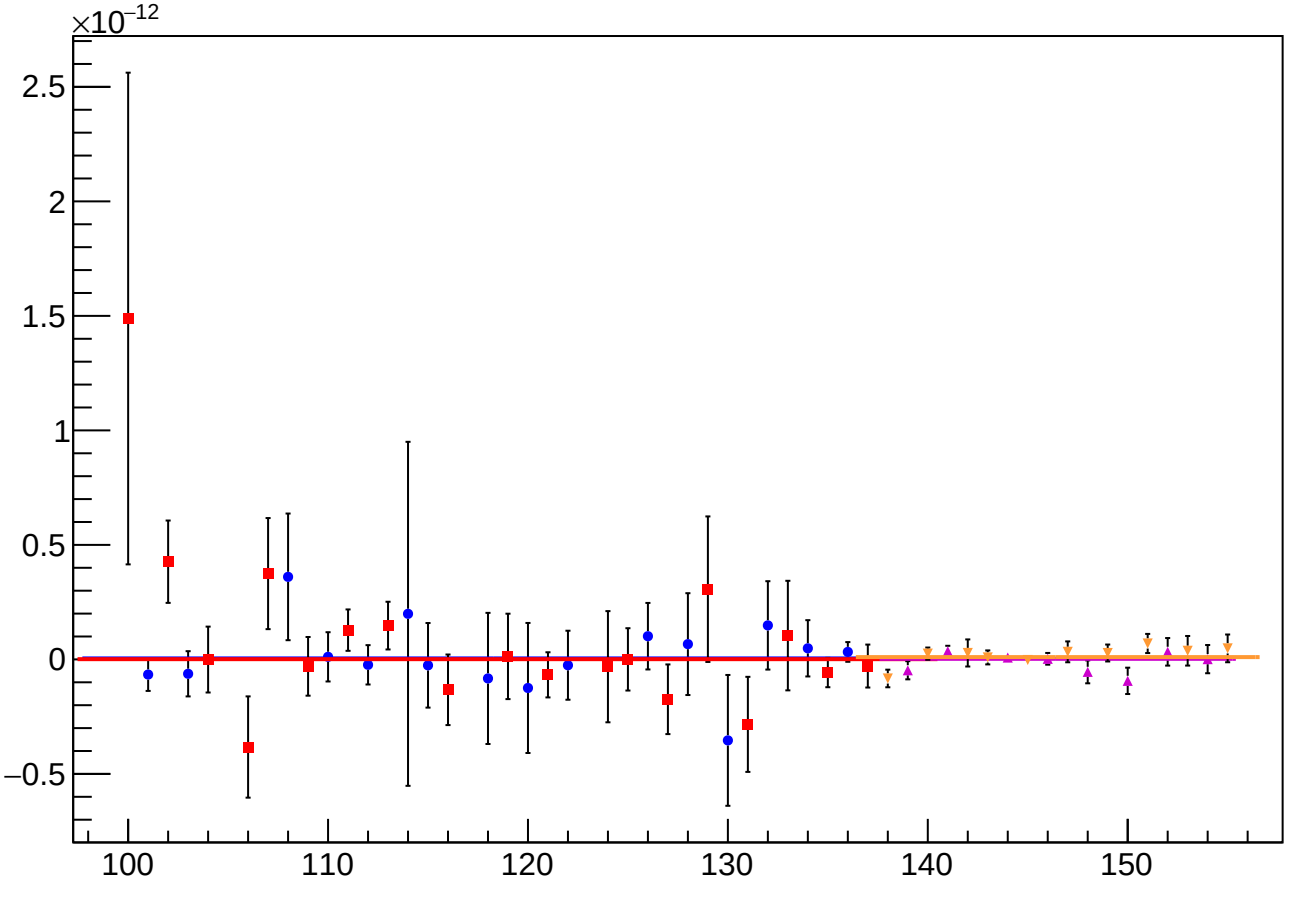
Left: 905.226+/-0.174 χ^2/NDF: 2250429.9/17

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1047.821+/-0.213 χ^2/NDF:3900758.2/23

Out: 1113.834+/-0.216 χ^2/NDF:3655706.9/28

All: 1080.423+/-0.152 χ^2/NDF: 7603856.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/7

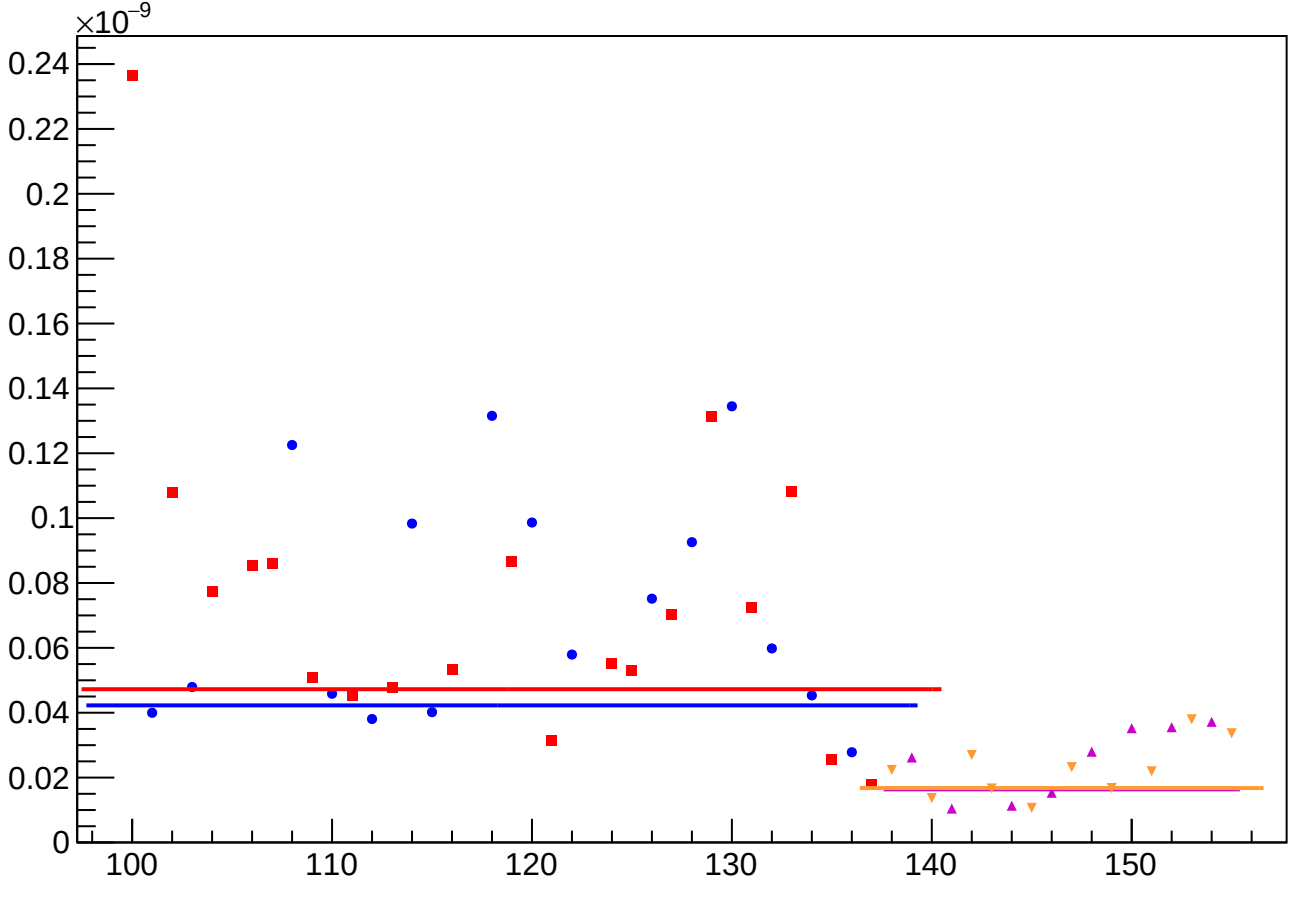
Left: 0.000+/-0.000 χ^2/NDF: 18.1/17

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:14.8/23

Out: 0.000+/-0.000 χ^2/NDF:33.4/28

All: 0.000+/-0.000 χ^2/NDF: 48.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:789153.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1158909.1/7

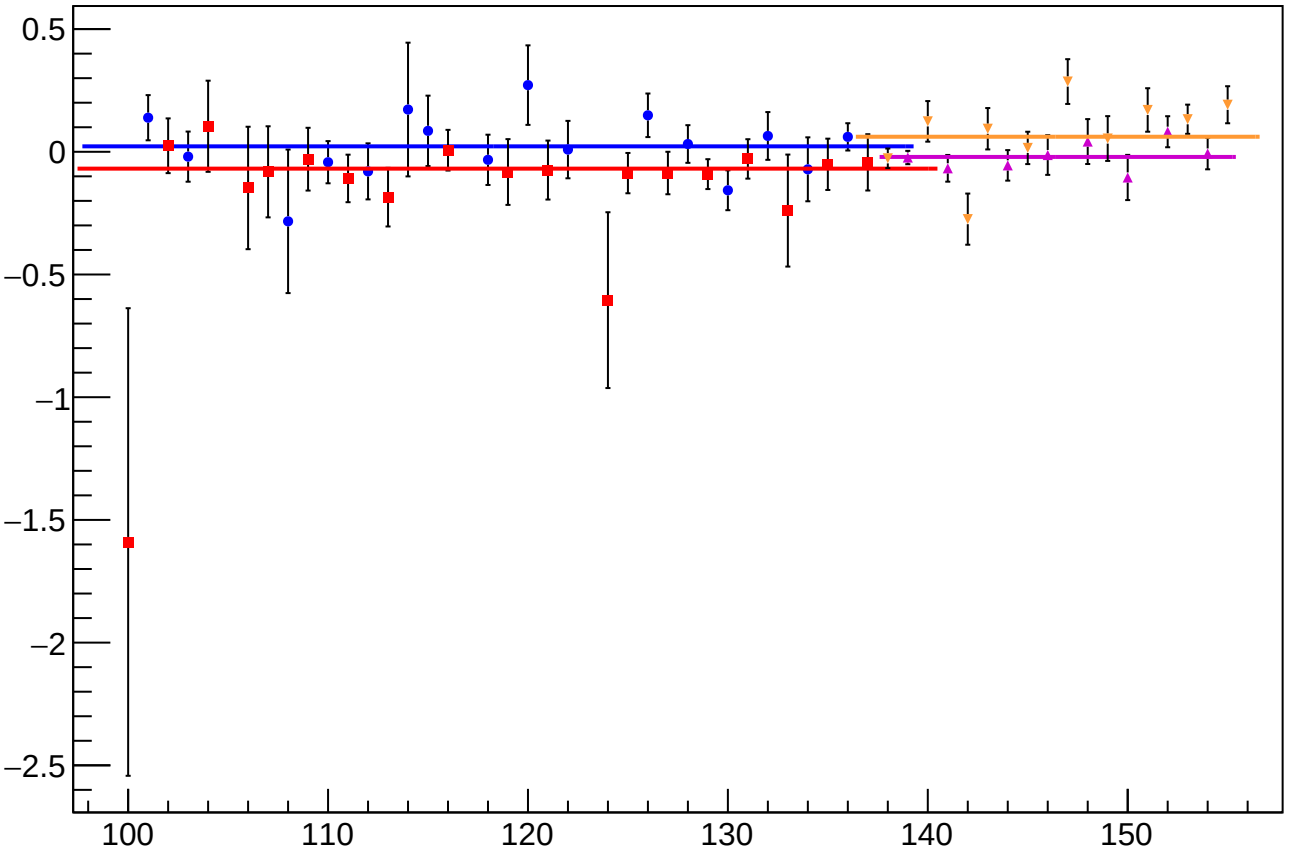
Left: 0.000+/-0.000 χ^2/NDF: 1949417.5/17

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:3859551.2/23

Out: 0.000+/-0.000 χ^2/NDF:3997755.5/28

All: 0.000+/-0.000 χ^2/NDF: 7857533.2/52



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.061+/-0.022 χ^2/NDF:28.5/9

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.021+/-0.019 χ^2/NDF:5.0/7

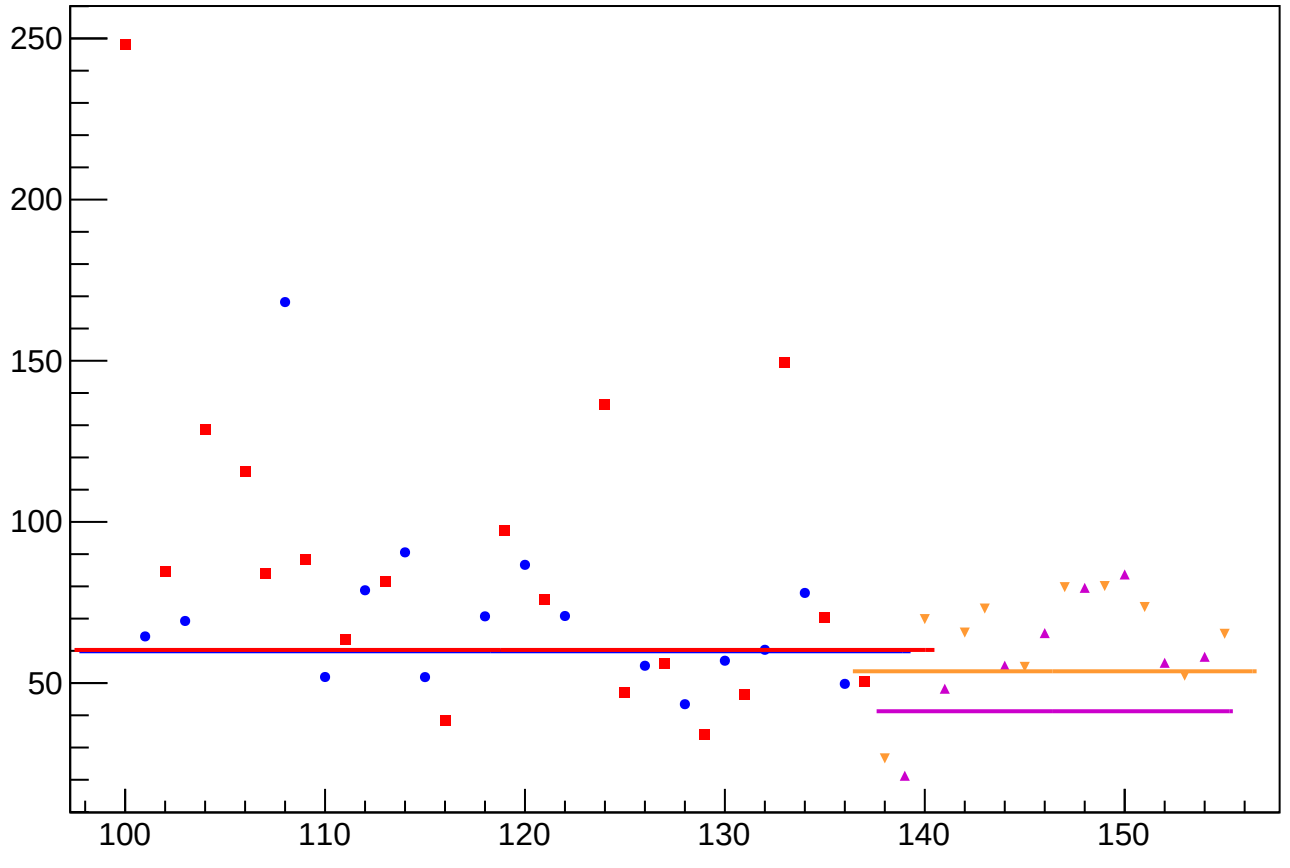
Left: 0.014+/-0.014 χ^2/NDF: 41.6/17

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.5/23

Out: 0.005+/-0.017 χ^2/NDF:53.1/28

All: -0.000+/-0.011 χ^2/NDF: 75.8/52



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 53.655+/-0.016 χ^2/NDF:1612200.7/9

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 41.259+/-0.013 χ^2/NDF:2428819.9/7

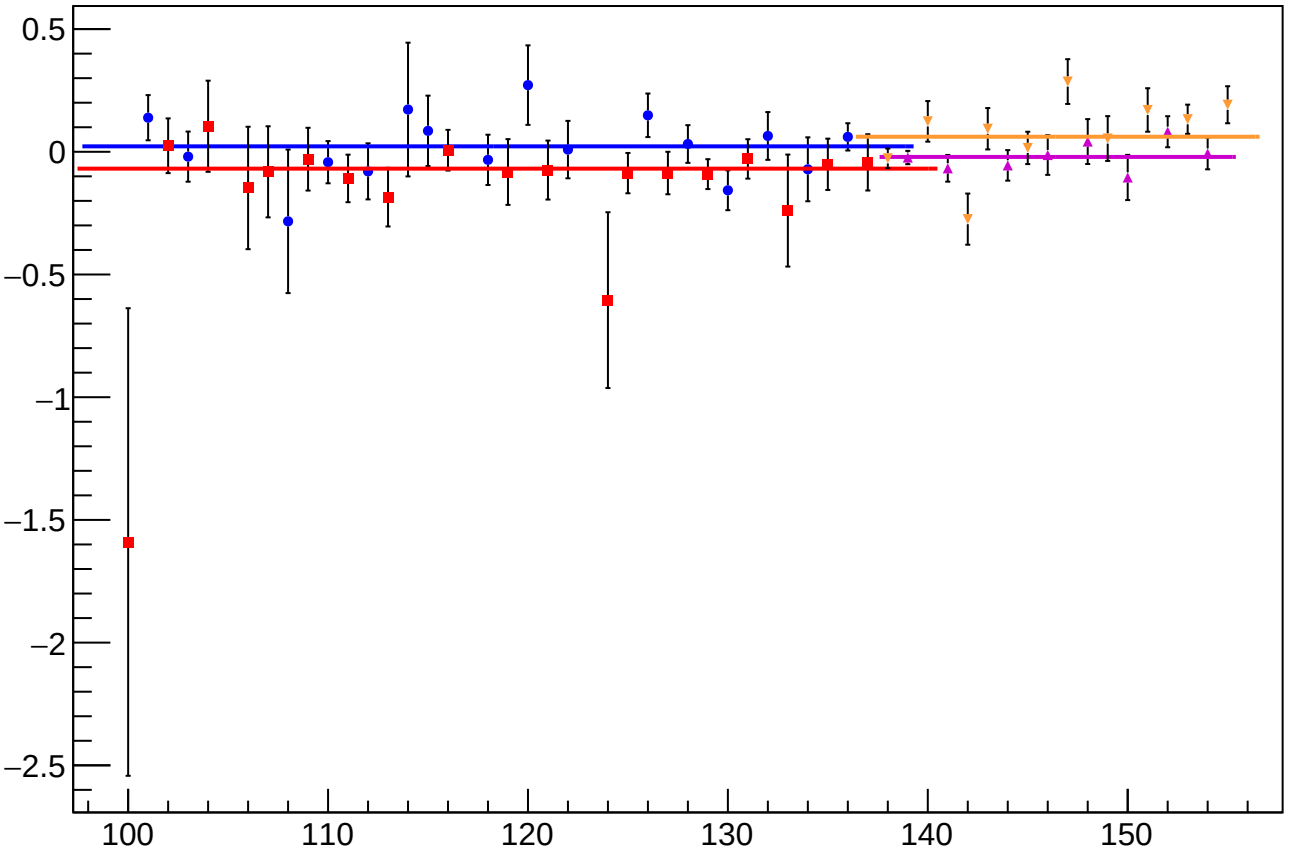
Left: 46.483+/-0.010 χ^2/NDF: 4408226.5/17

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 48.085+/-0.011 χ^2/NDF:3848009.5/23

Out: 56.510+/-0.012 χ^2/NDF:3667528.9/28

All: 51.858+/-0.008 χ^2/NDF: 7800127.1/52



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.061+/-0.022 χ^2/NDF:28.5/9

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.021+/-0.019 χ^2/NDF:5.0/7

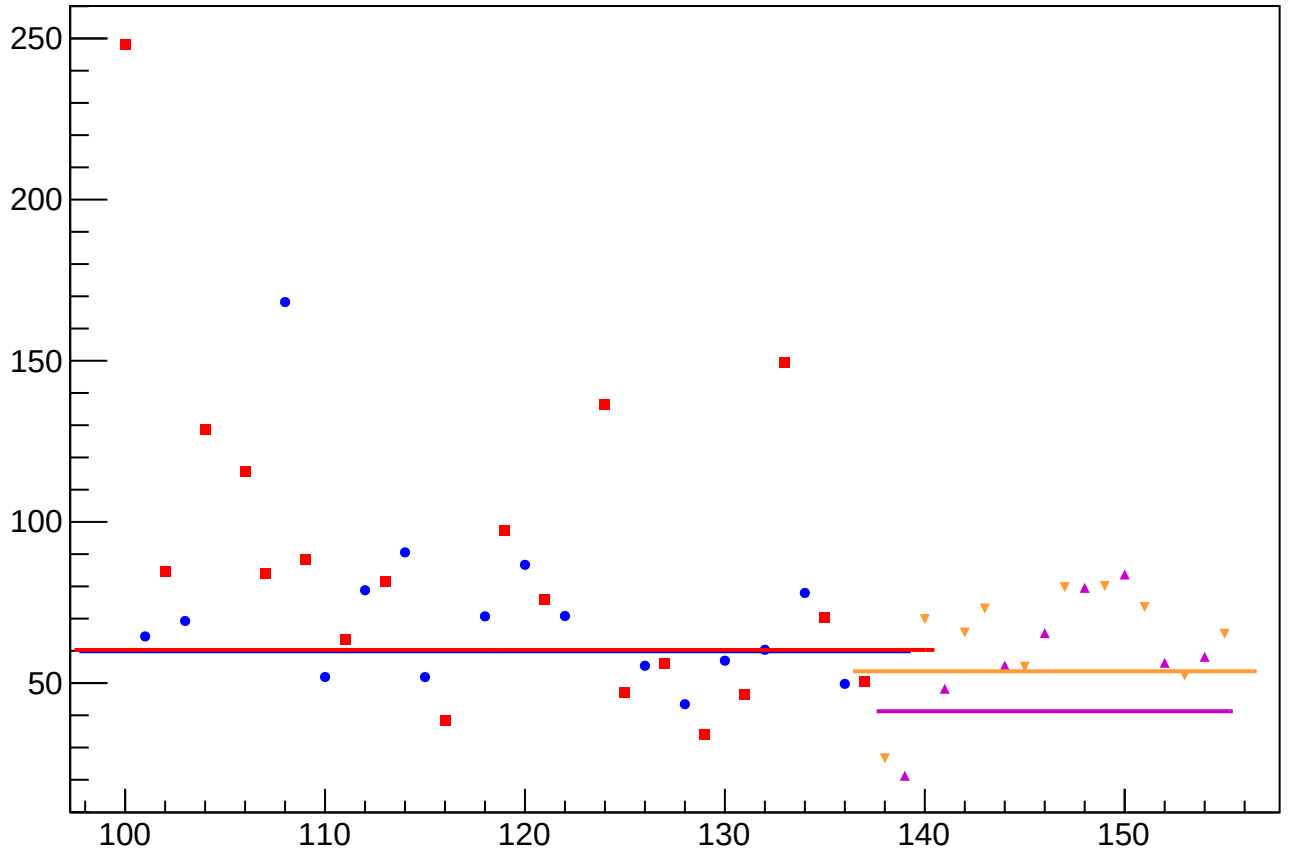
Left: 0.014+/-0.014 χ^2/NDF: 41.6/17

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.5/23

Out: 0.005+/-0.017 χ^2/NDF:53.1/28

All: -0.000+/-0.011 χ^2/NDF: 75.8/52



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 53.655+/-0.016 χ^2/NDF:1612200.7/9

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 41.259+/-0.013 χ^2/NDF:2428819.9/7

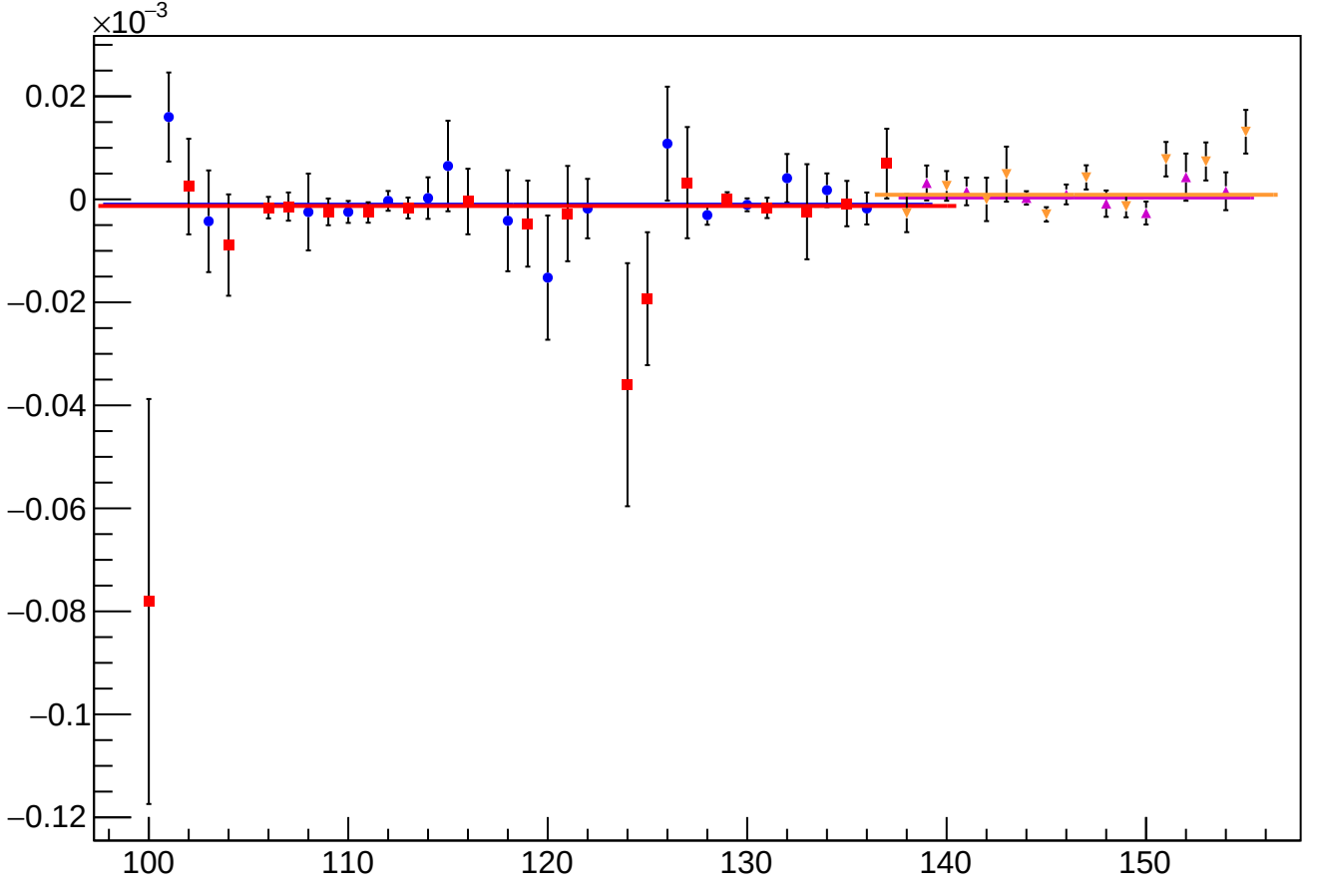
Left: 46.483+/-0.010 χ^2/NDF: 4408226.5/17

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 48.085+/-0.011 χ^2/NDF:3848009.5/23

Out: 56.510+/-0.012 χ^2/NDF:3667528.9/28

All: 51.858+/-0.008 χ^2/NDF: 7800127.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/9

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/7

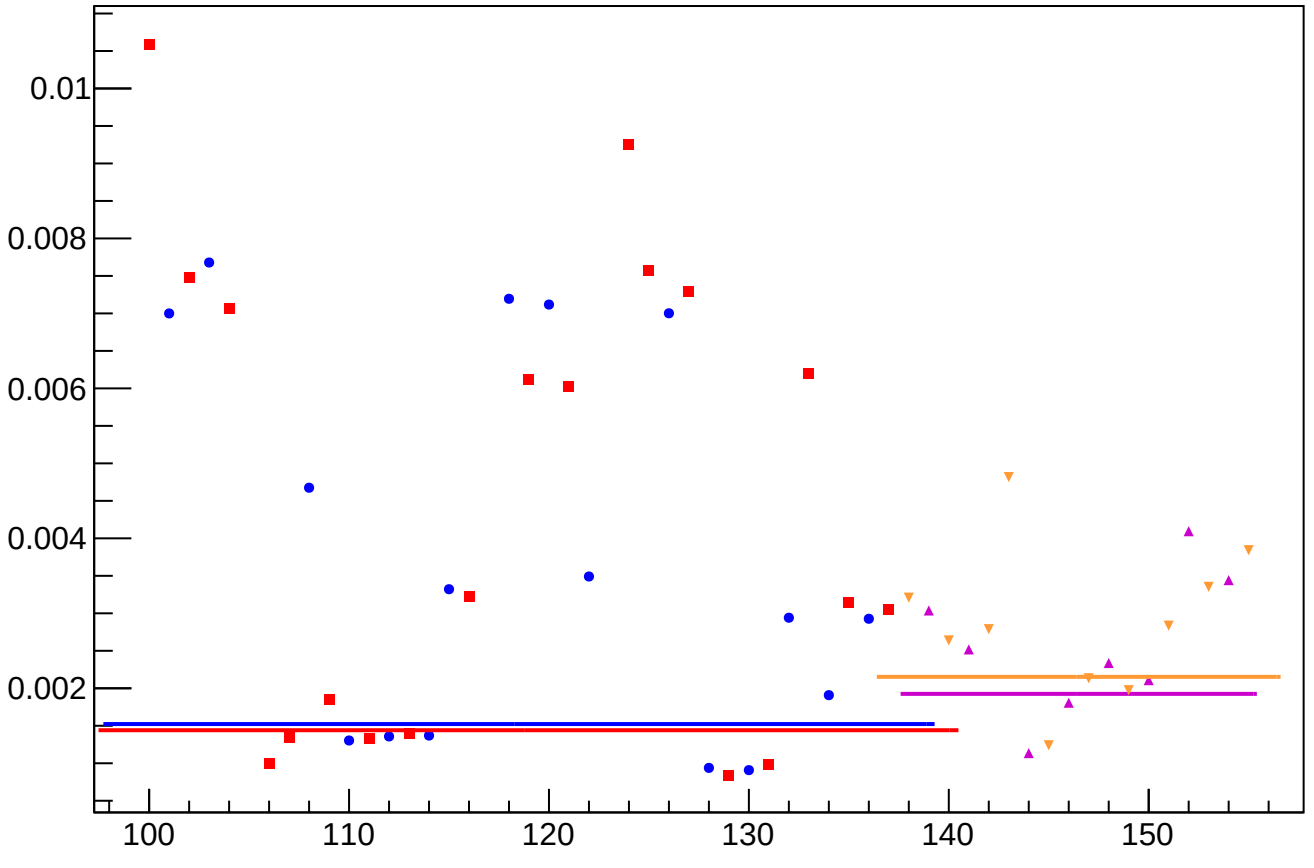
Left: 0.000+/-0.000 χ^2/NDF: 32.2/17

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:16.8/23

Out: -0.000+/-0.000 χ^2/NDF:44.5/28

All: -0.000+/-0.000 χ^2/NDF: 61.3/52



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2242829.9/9

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1906328.0/7

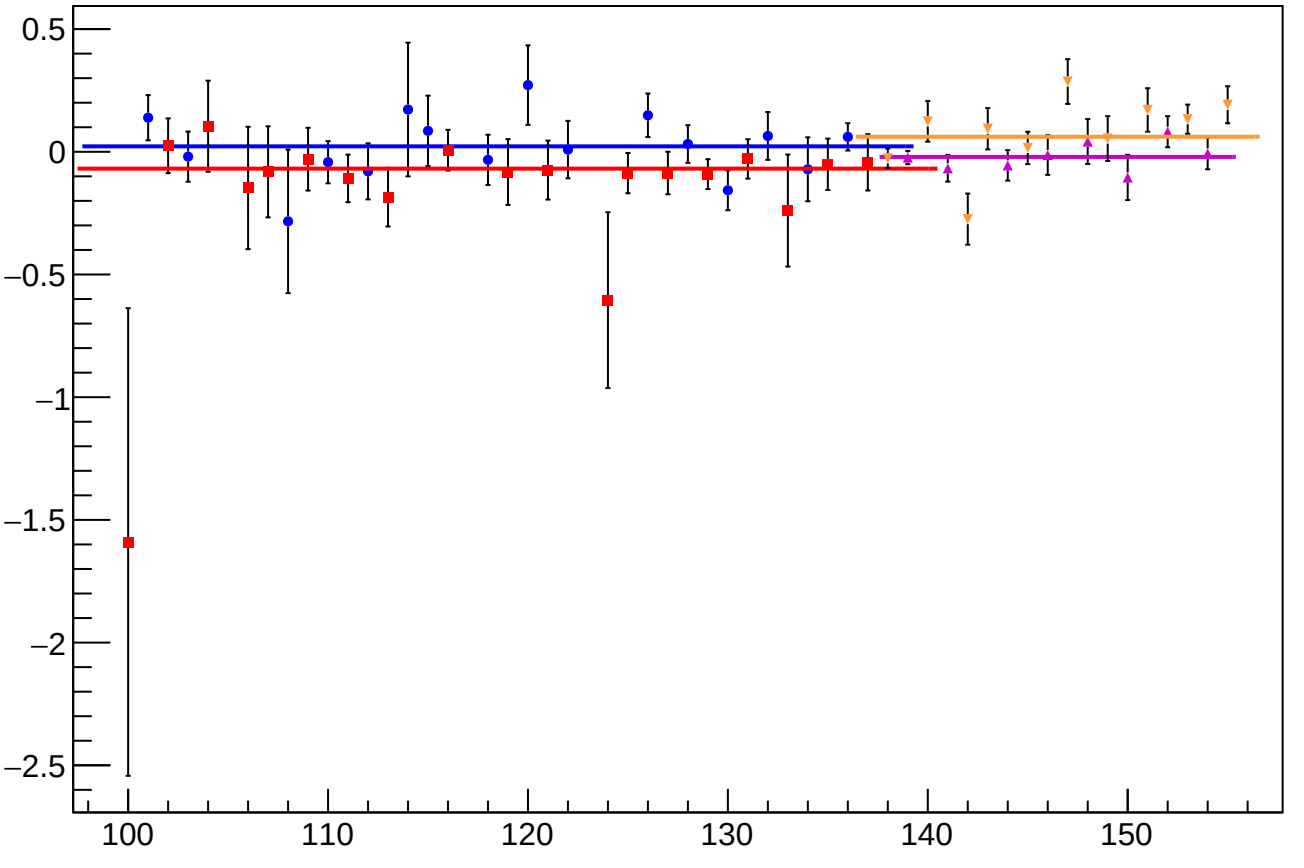
Left: 0.002+/-0.000 χ^2/NDF: 4225449.4/17

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:7362046.0/23

Out: 0.002+/-0.000 χ^2/NDF:8878844.5/28

All: 0.002+/-0.000 χ^2/NDF: 16242758.3/52



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.061+/-0.022 χ^2/NDF:28.5/9

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.021+/-0.019 χ^2/NDF:5.0/7

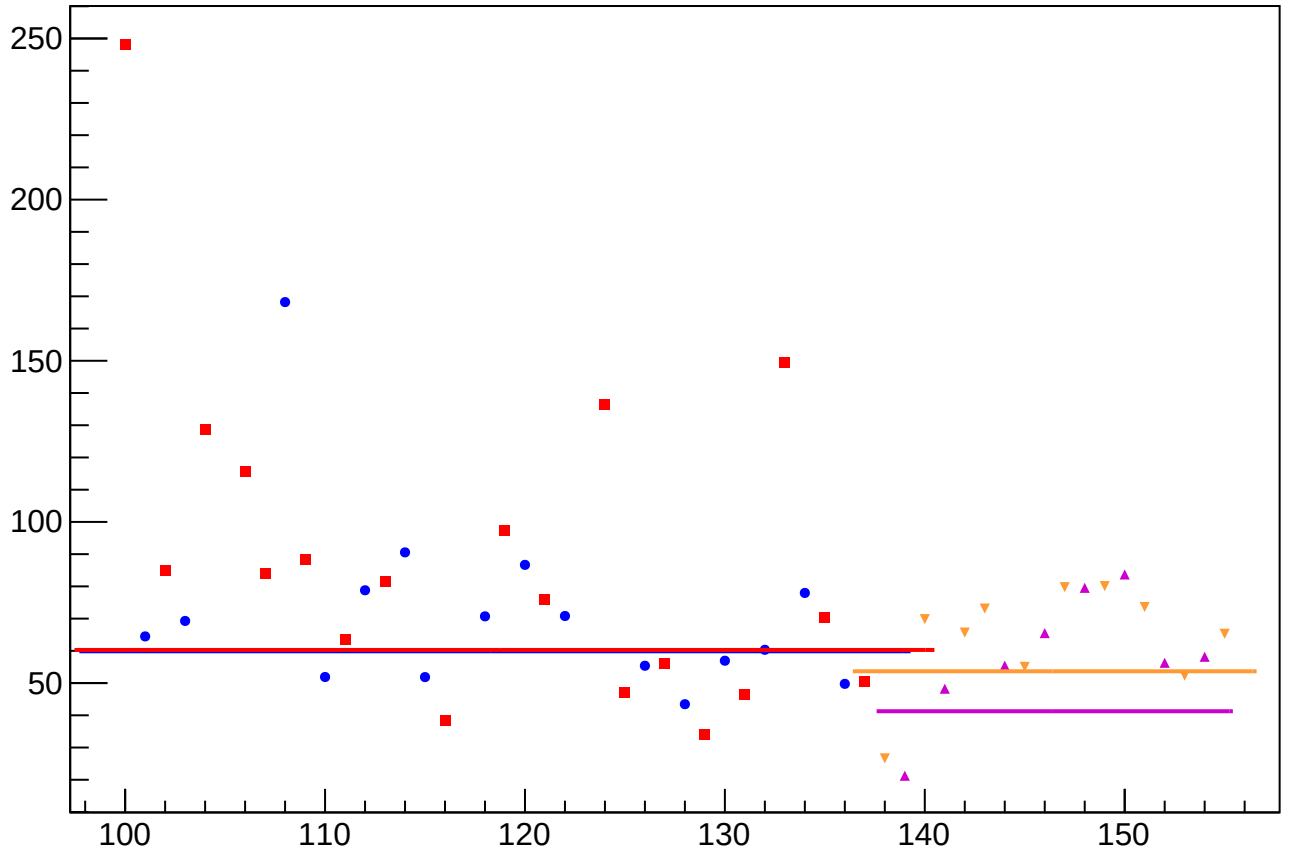
Left: 0.014+/-0.014 χ^2/NDF: 41.6/17

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.5/23

Out: 0.005+/-0.017 χ^2/NDF:53.1/28

All: -0.000+/-0.011 χ^2/NDF: 75.8/52



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 53.654+/-0.016 χ^2/NDF:1612557.3/9

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 41.258+/-0.013 χ^2/NDF:2429175.5/7

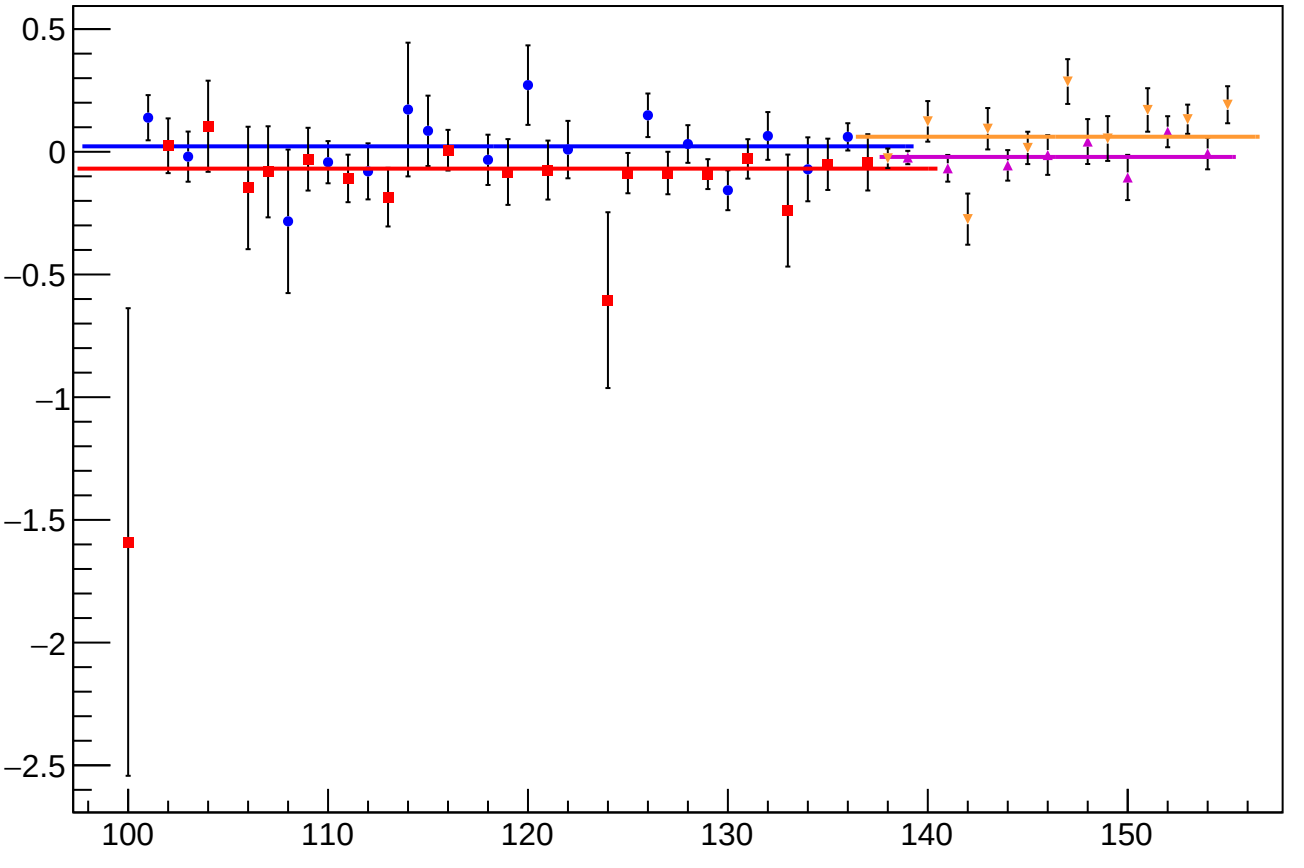
Left: 46.483+/-0.010 χ^2/NDF: 4408972.1/17

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 48.085+/-0.011 χ^2/NDF:3848552.3/23

Out: 56.510+/-0.012 χ^2/NDF:3667982.1/28

All: 51.857+/-0.008 χ^2/NDF: 7801154.5/52



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.061+/-0.022 χ^2/NDF:28.5/9

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.021+/-0.019 χ^2/NDF:5.0/7

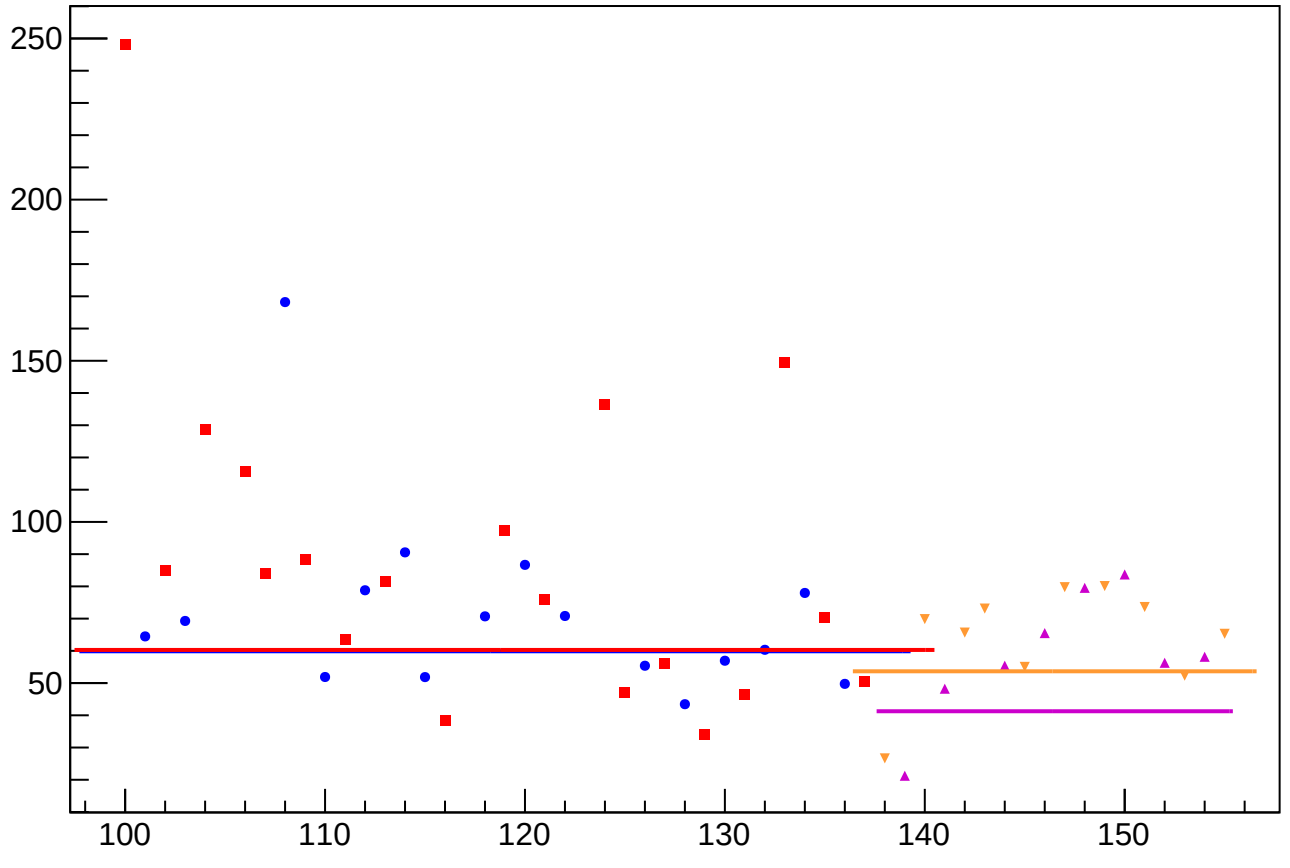
Left: 0.014+/-0.014 χ^2/NDF: 41.6/17

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.5/23

Out: 0.005+/-0.017 χ^2/NDF:53.1/28

All: -0.000+/-0.011 χ^2/NDF: 75.8/52



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 53.654+/-0.016 χ^2/NDF:1612557.3/9

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 41.258+/-0.013 χ^2/NDF:2429175.5/7

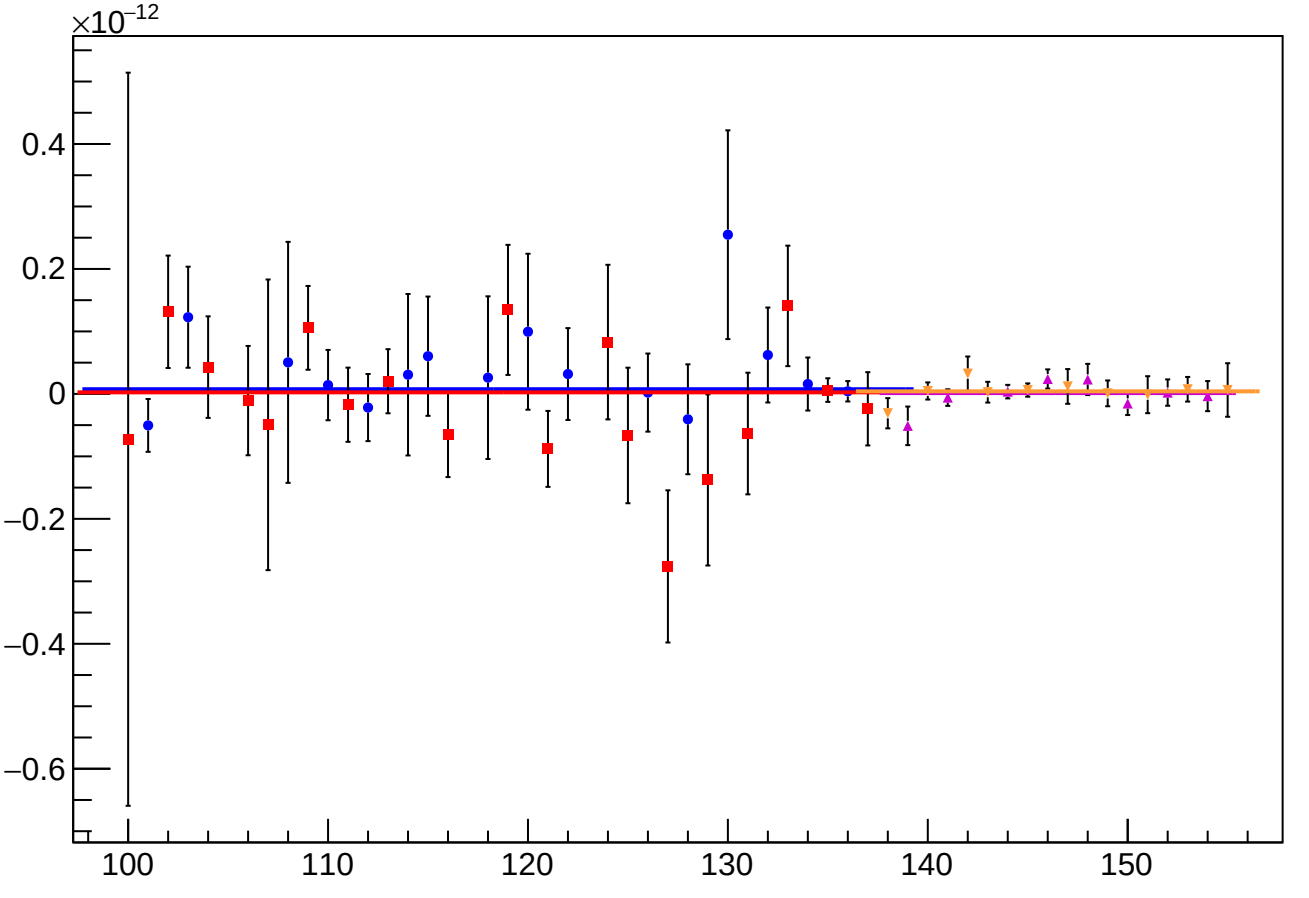
Left: 46.483+/-0.010 χ^2/NDF: 4408972.1/17

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 48.085+/-0.011 χ^2/NDF:3848552.3/23

Out: 56.510+/-0.012 χ^2/NDF:3667982.1/28

All: 51.857+/-0.008 χ^2/NDF: 7801154.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/7

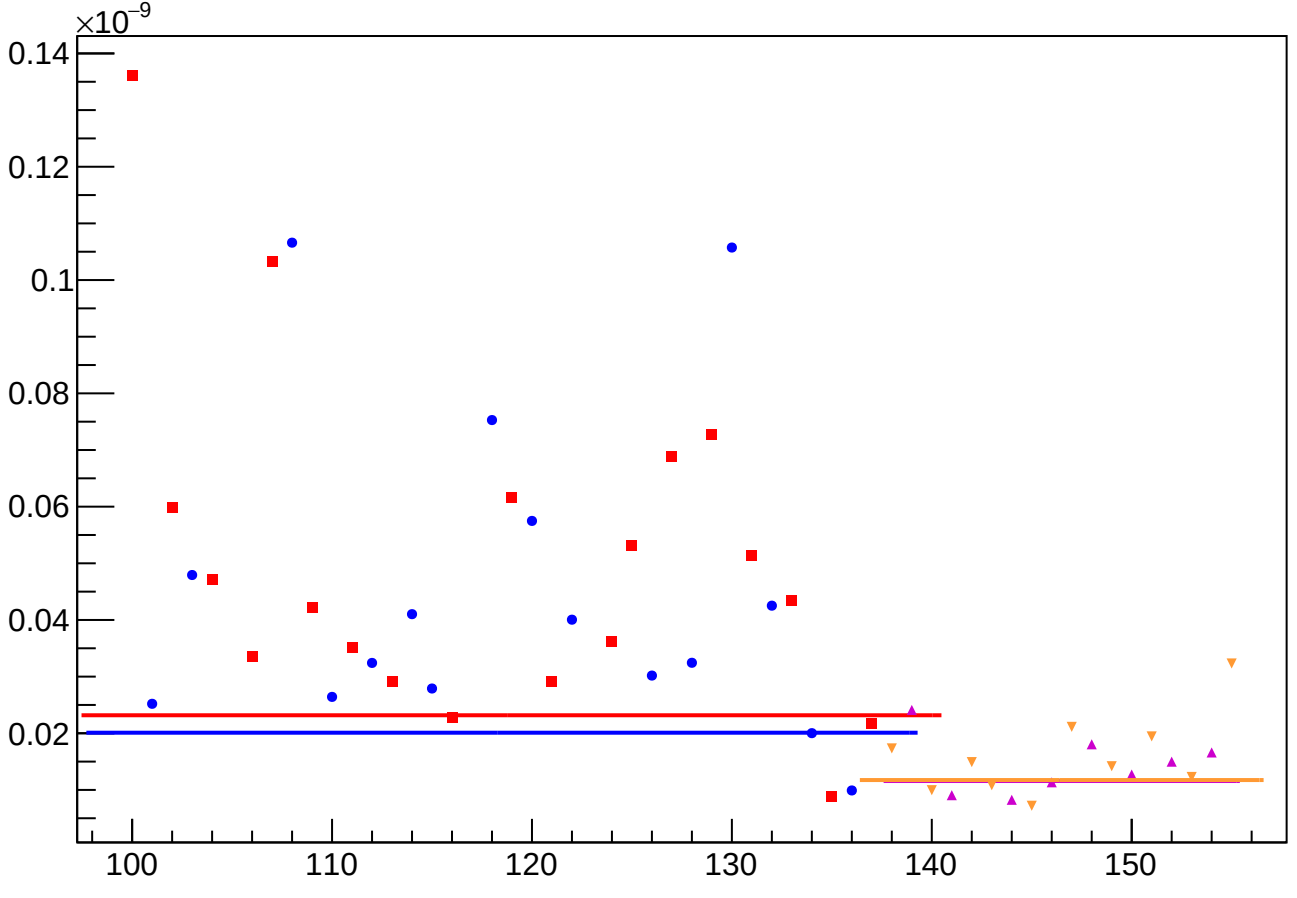
Left: 0.000+/-0.000 χ^2/NDF: 10.5/17

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: 0.000+/-0.000 χ^2/NDF:15.6/23

Out: 0.000+/-0.000 χ^2/NDF:23.1/28

All: 0.000+/-0.000 χ^2/NDF: 38.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1392498.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:870804.9/7

Left: 0.000+/-0.000 χ^2/NDF: 2264118.3/17

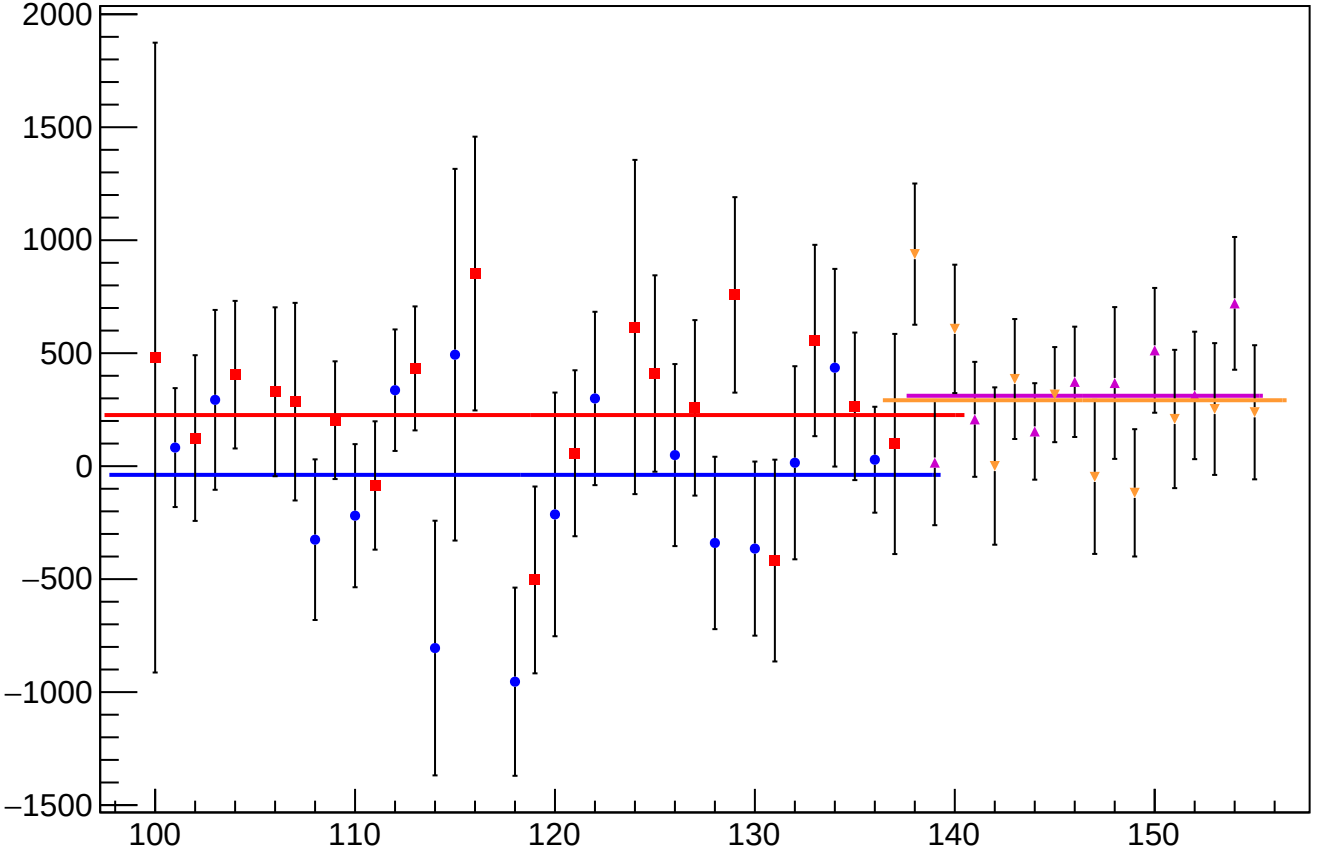
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4785733.5/23

Out: 0.000+/-0.000 χ^2/NDF:6125004.0/28

All: 0.000+/-0.000 χ^2/NDF: 10914571.8/52

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 291.719+/-90.301 χ^2/NDF:9.6/9

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 311.568+/-93.941 χ^2/NDF:4.4/7

Left: 301.251+/-65.101 χ^2/NDF: 14.0/17

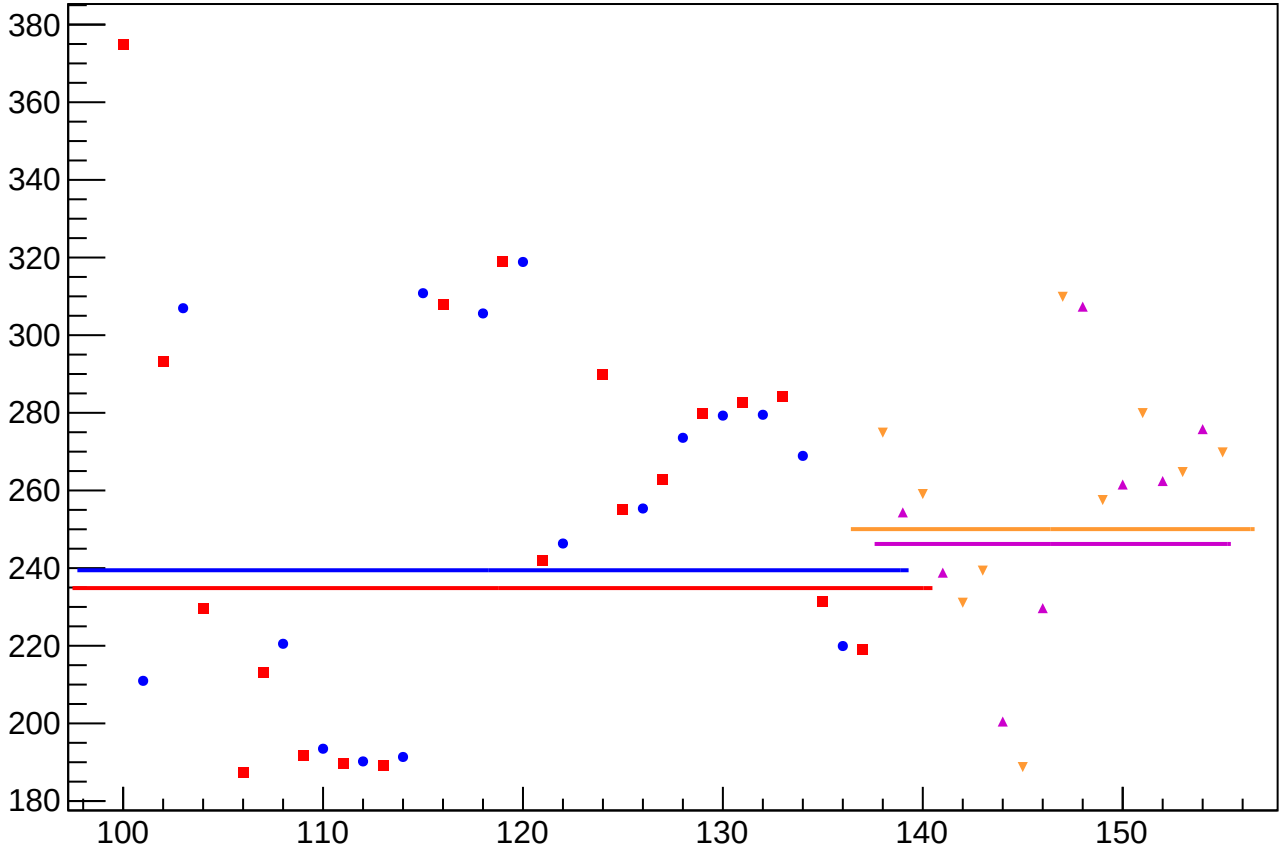
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 130.236+/-65.220 χ^2/NDF:26.1/23

Out: 258.063+/-62.989 χ^2/NDF:21.3/28

All: 196.372+/-45.308 χ^2/NDF: 49.3/52

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 250.044+/-0.064 χ^2/NDF:289500.6/9

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 246.224+/-0.066 χ^2/NDF:203614.0/7

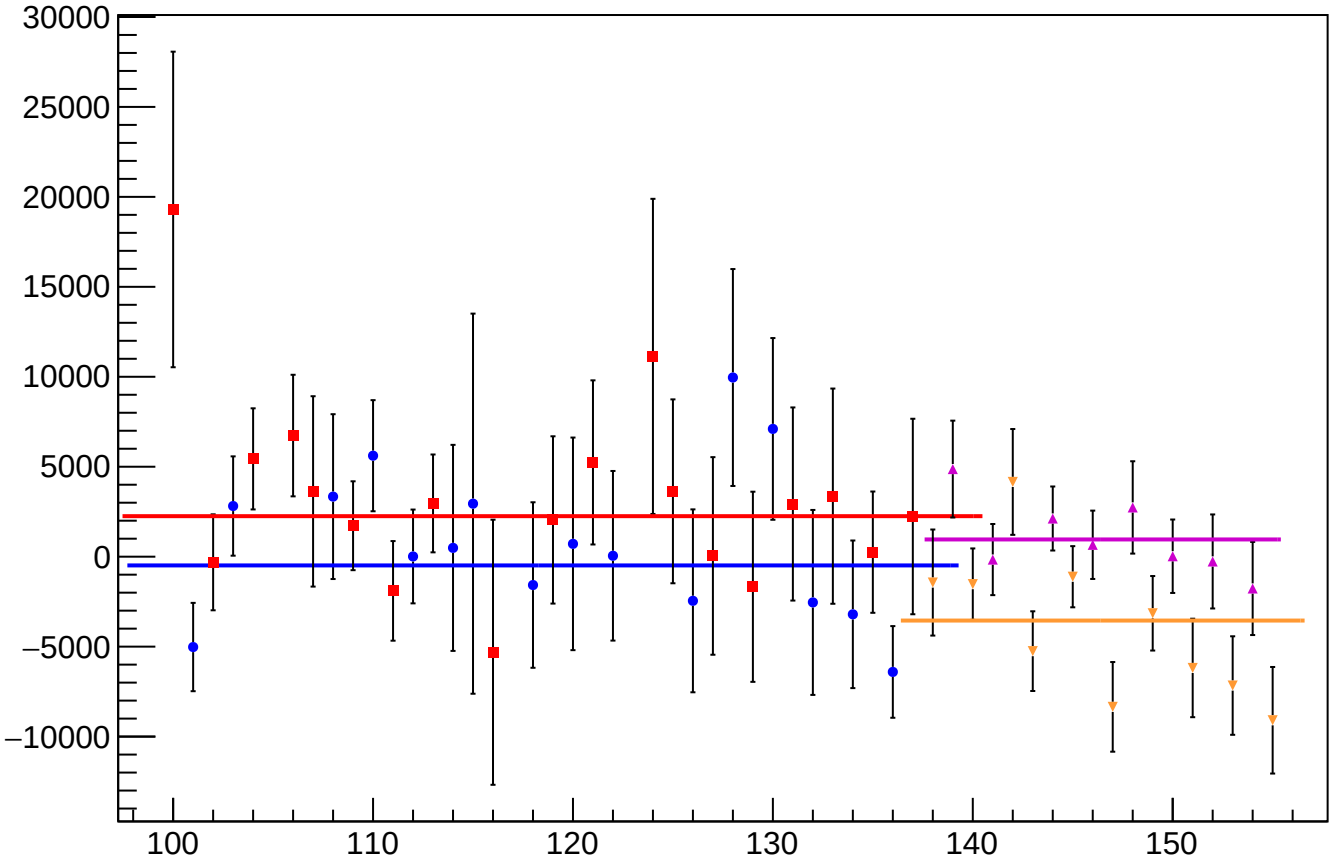
Left: 248.209+/-0.046 χ^2/NDF: 494833.8/17

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 242.714+/-0.046 χ^2/NDF:609957.9/23

Out: 242.245+/-0.045 χ^2/NDF:800270.5/28

All: 242.472+/-0.032 χ^2/NDF: 1410282.0/52



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3550.226+/-743.412 χ^2/NDF:21.0/9

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 957.713+/-772.773 χ^2/NDF:4.9/7

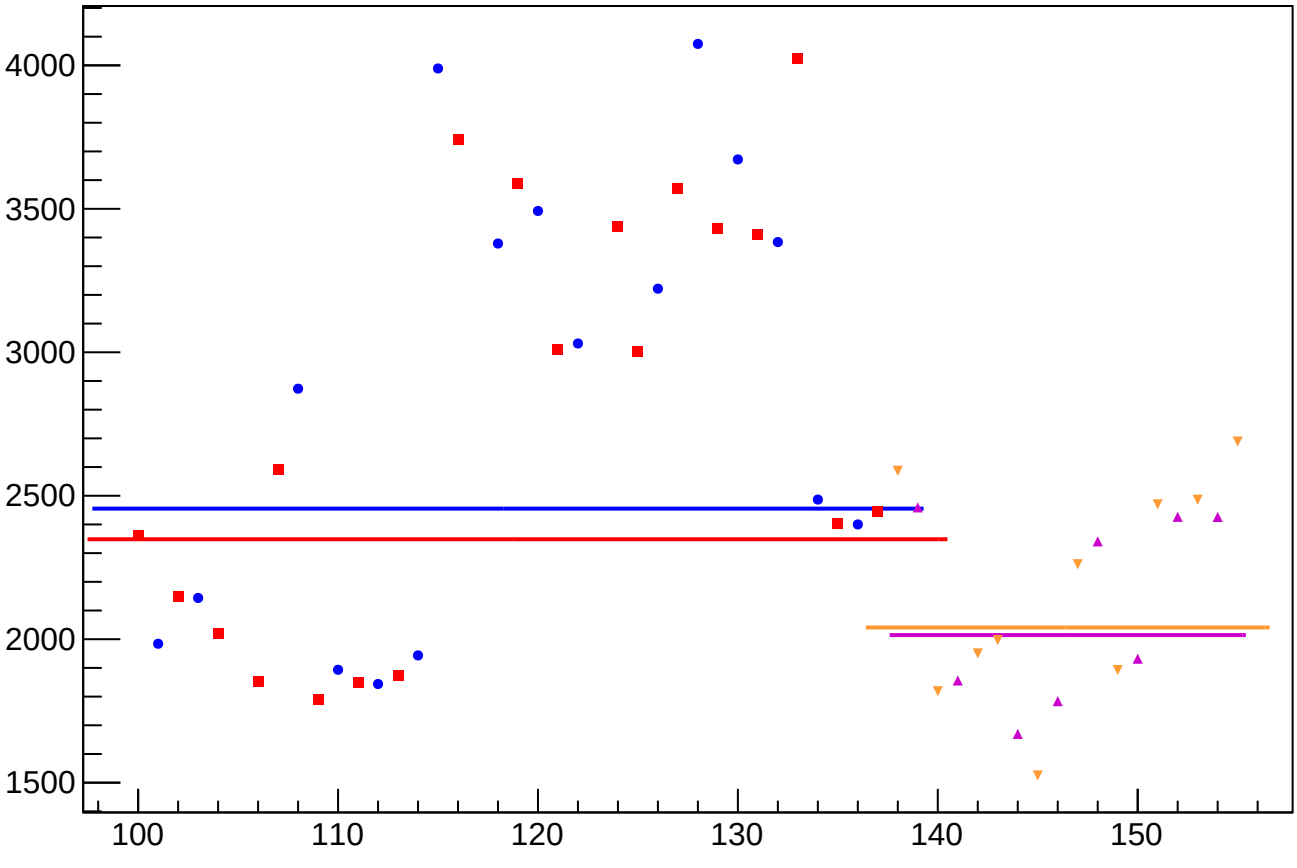
Left: -1383.521+/-535.751 χ^2/NDF: 43.5/17

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 380.993+/-598.842 χ^2/NDF:27.4/23

Out: -1178.831+/-571.649 χ^2/NDF:59.7/28

All: -435.138+/-413.496 χ^2/NDF: 90.7/52



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2040.841+/-0.526 χ^2/NDF:504206.8/9

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2014.415+/-0.546 χ^2/NDF:307865.5/7

Left: 2028.140+/-0.379 χ^2/NDF: 813287.1/17

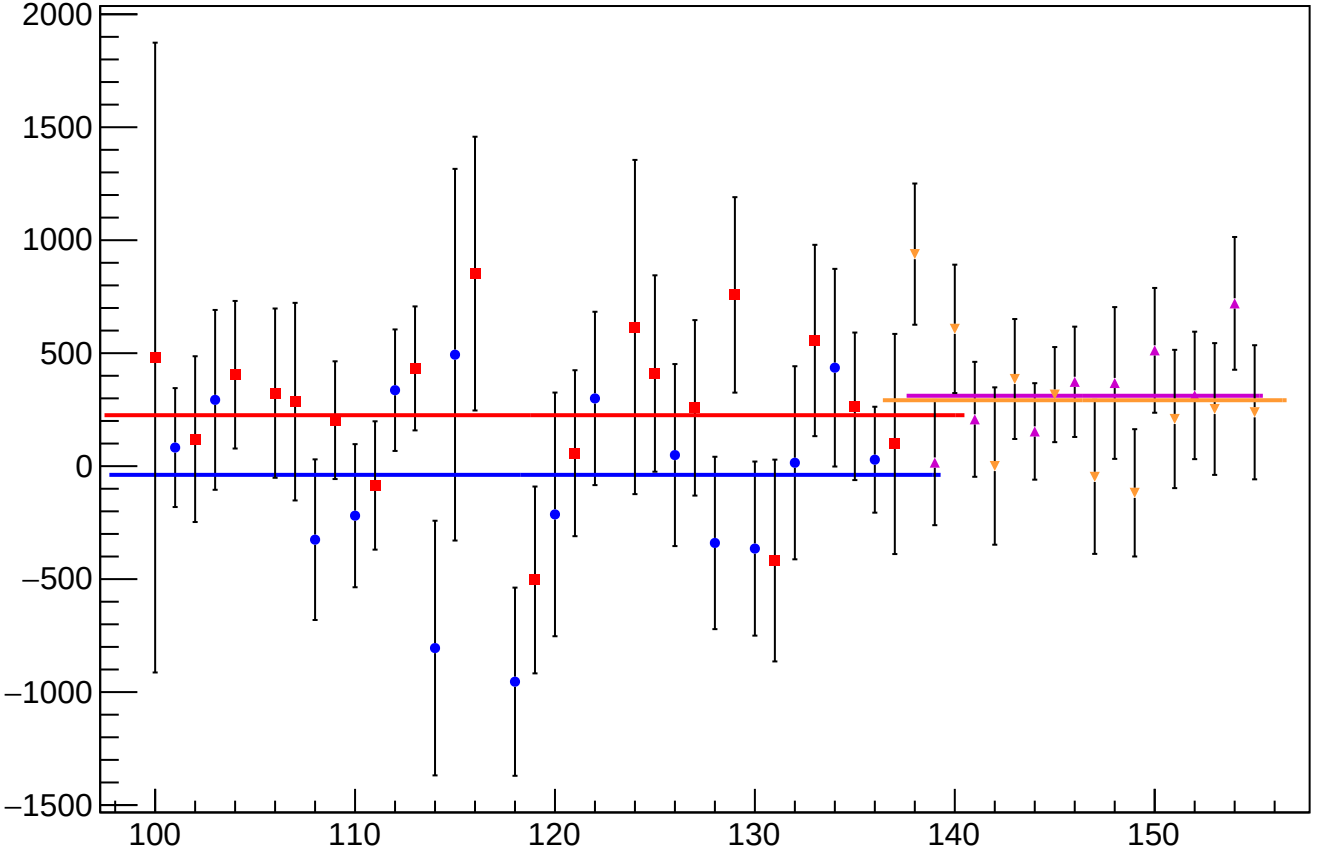
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2190.465+/-0.423 χ^2/NDF:1462087.2/23

Out: 2166.563+/-0.404 χ^2/NDF:1696578.9/28

All: 2177.959+/-0.292 χ^2/NDF: 3160333.2/52

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 291.738+/-90.301 χ^2/NDF:9.6/9

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 311.569+/-93.941 χ^2/NDF:4.4/7

Left: 301.262+/-65.101 χ^2/NDF: 14.0/17

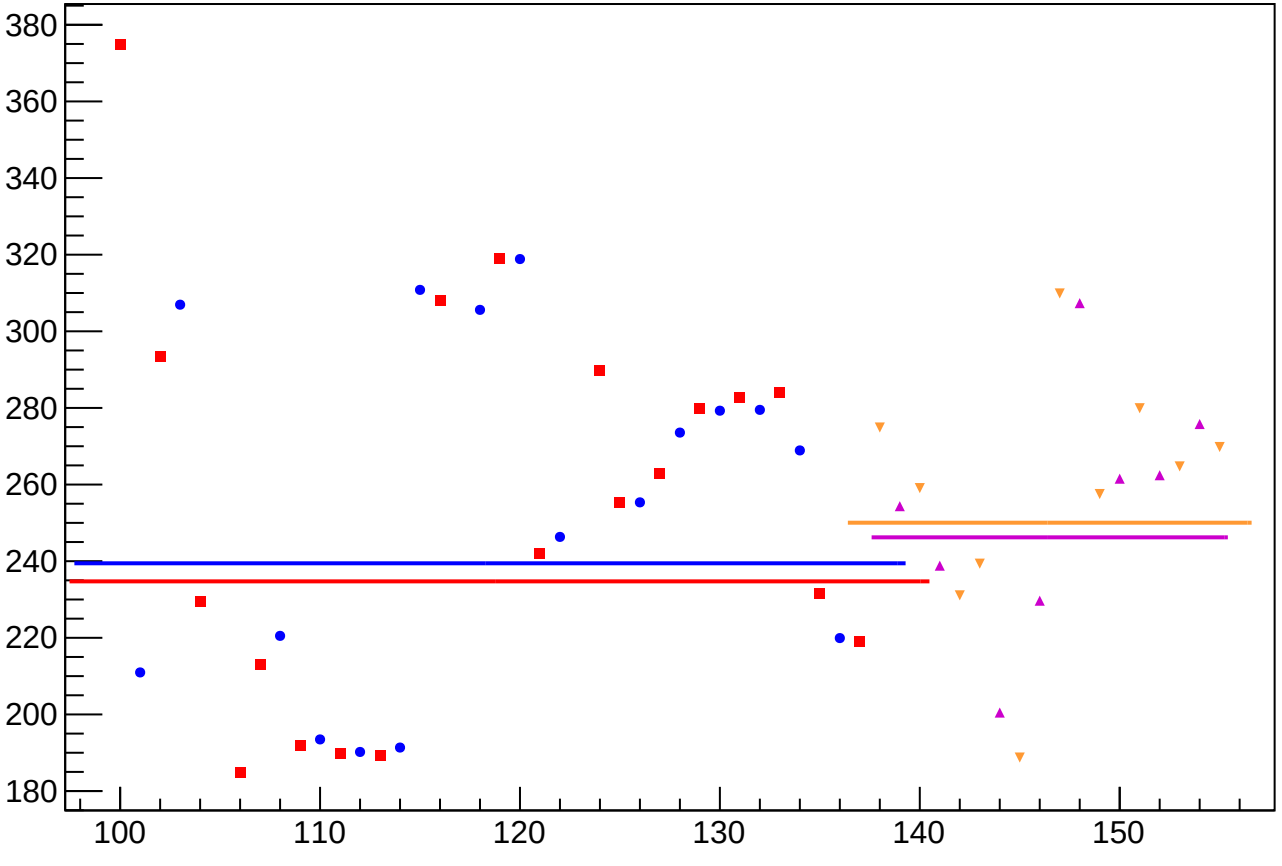
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 130.225+/-65.220 χ^2/NDF:26.1/23

Out: 257.742+/-62.995 χ^2/NDF:21.3/28

All: 196.196+/-45.310 χ^2/NDF: 49.3/52

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 250.044+/-0.064 χ^2/NDF:289500.6/9

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 246.224+/-0.066 χ^2/NDF:203614.1/7

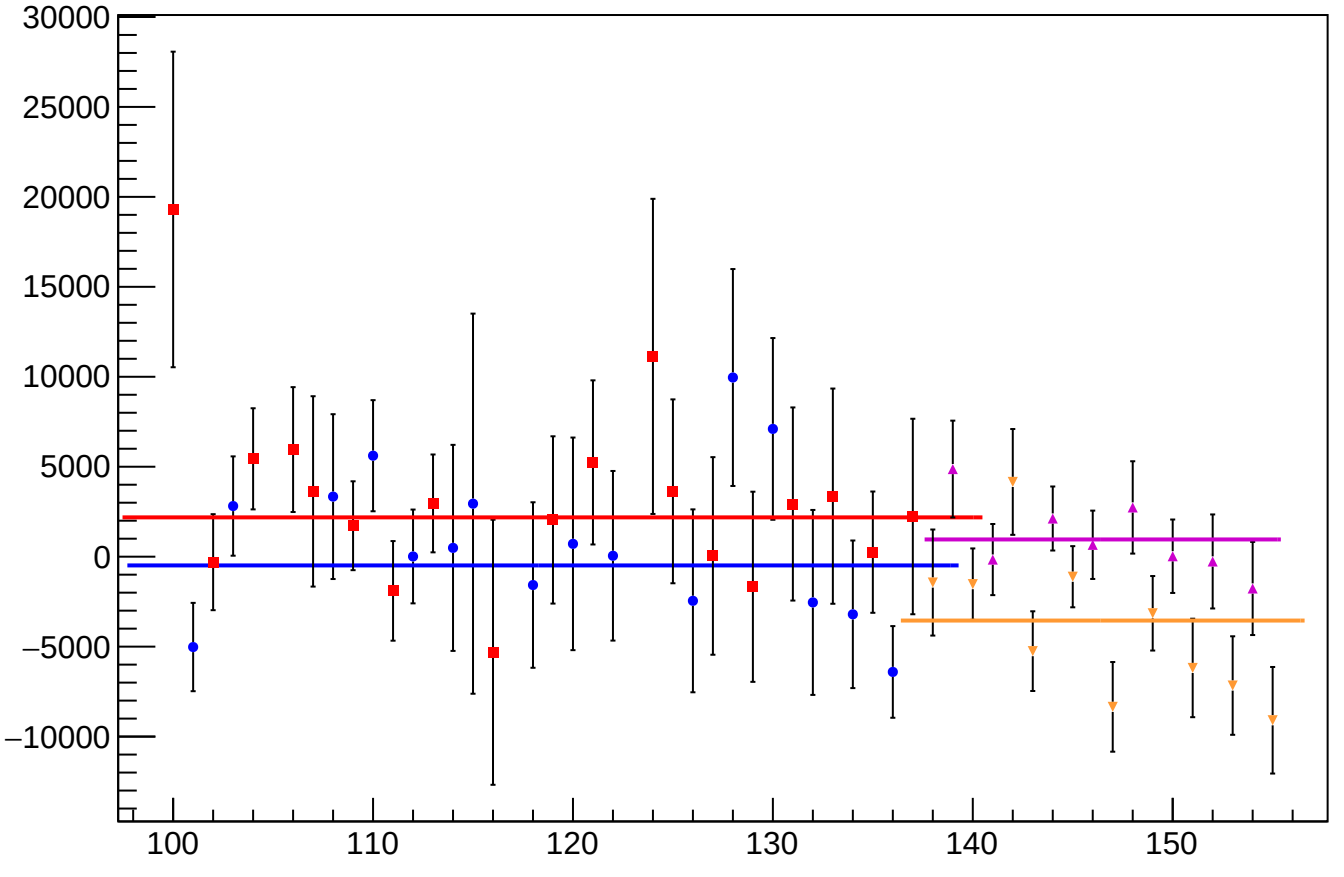
Left: 248.209+/-0.046 χ^2/NDF: 494833.8/17

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 242.715+/-0.046 χ^2/NDF:609960.2/23

Out: 242.184+/-0.045 χ^2/NDF:804256.6/28

All: 242.440+/-0.032 χ^2/NDF: 1414285.3/52



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3550.210+/-743.412 χ^2/NDF:21.0/9

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 957.728+/-772.773 χ^2/NDF:4.9/7

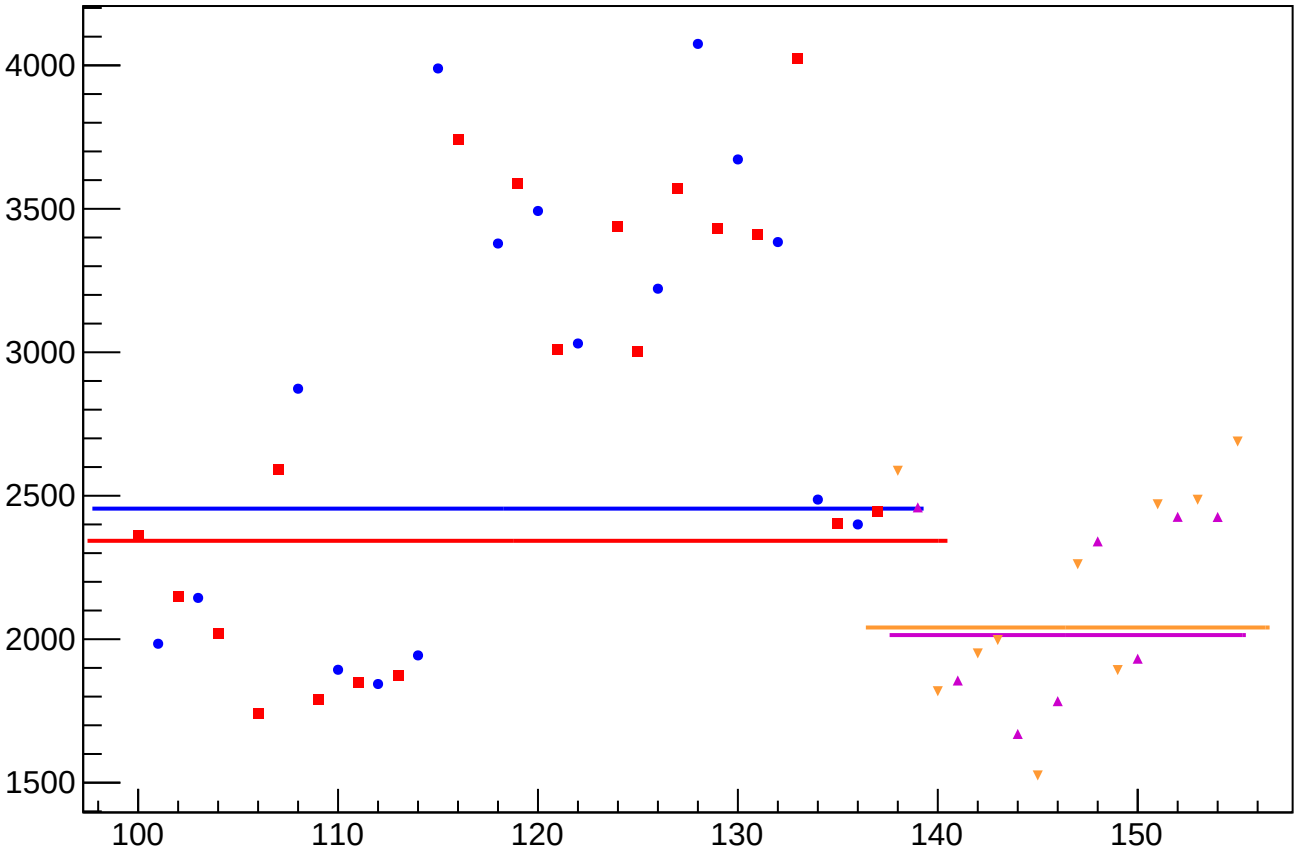
Left: -1383.507+/-535.751 χ^2/NDF: 43.5/17

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 380.939+/-598.845 χ^2/NDF:27.4/23

Out: -1211.468+/-572.090 χ^2/NDF:58.5/28

All: -451.631+/-413.664 χ^2/NDF: 89.6/52



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2040.841+/-0.526 χ^2/NDF:504209.4/9

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2014.416+/-0.546 χ^2/NDF:307863.6/7

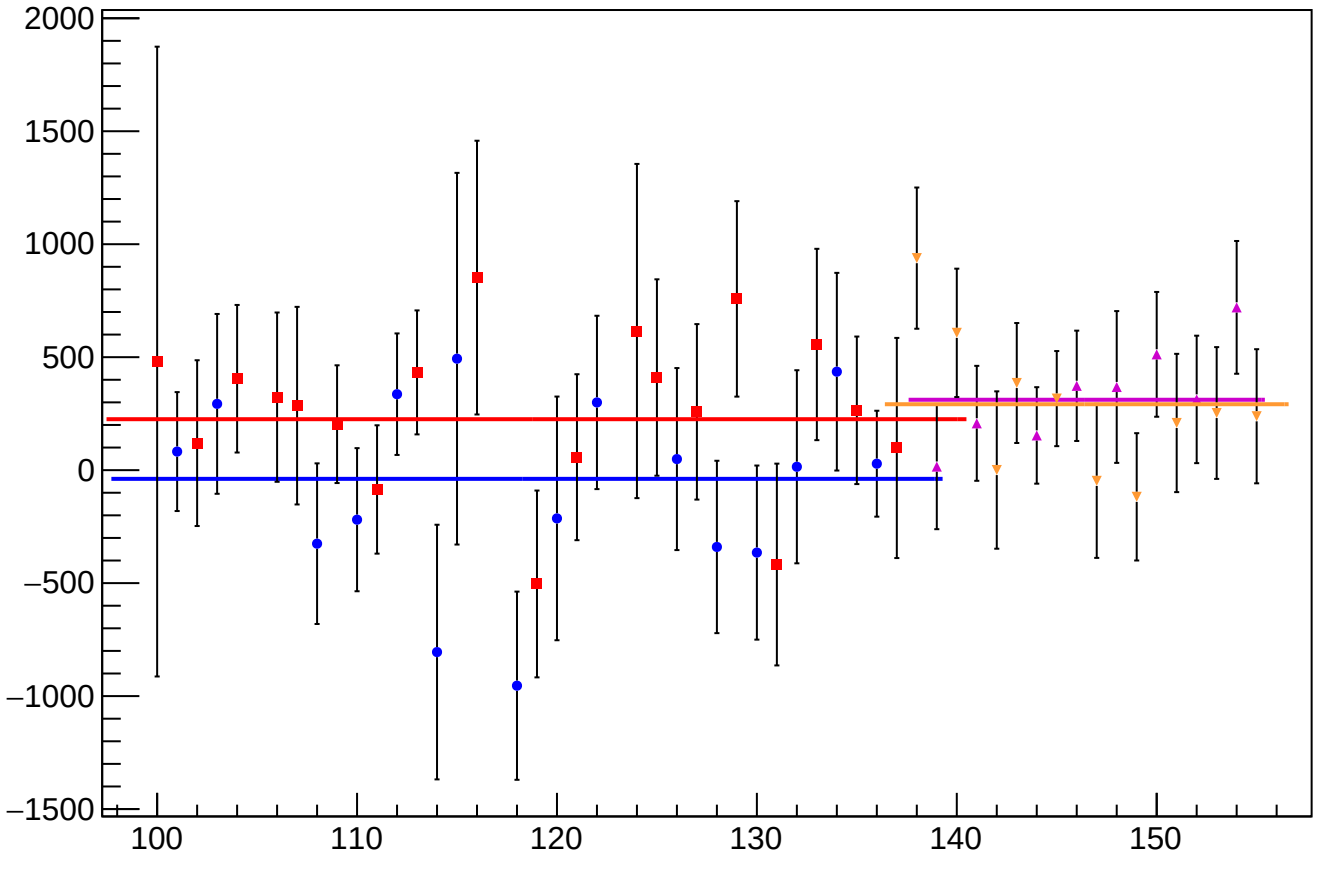
Left: 2028.140+/-0.379 χ^2/NDF: 813287.6/17

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2190.473+/-0.423 χ^2/NDF:1462078.8/23

Out: 2164.043+/-0.405 χ^2/NDF:1709294.7/28

All: 2176.654+/-0.293 χ^2/NDF: 3173410.5/52



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 291.738+/-90.301 χ^2/NDF:9.6/9

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 311.569+/-93.941 χ^2/NDF:4.4/7

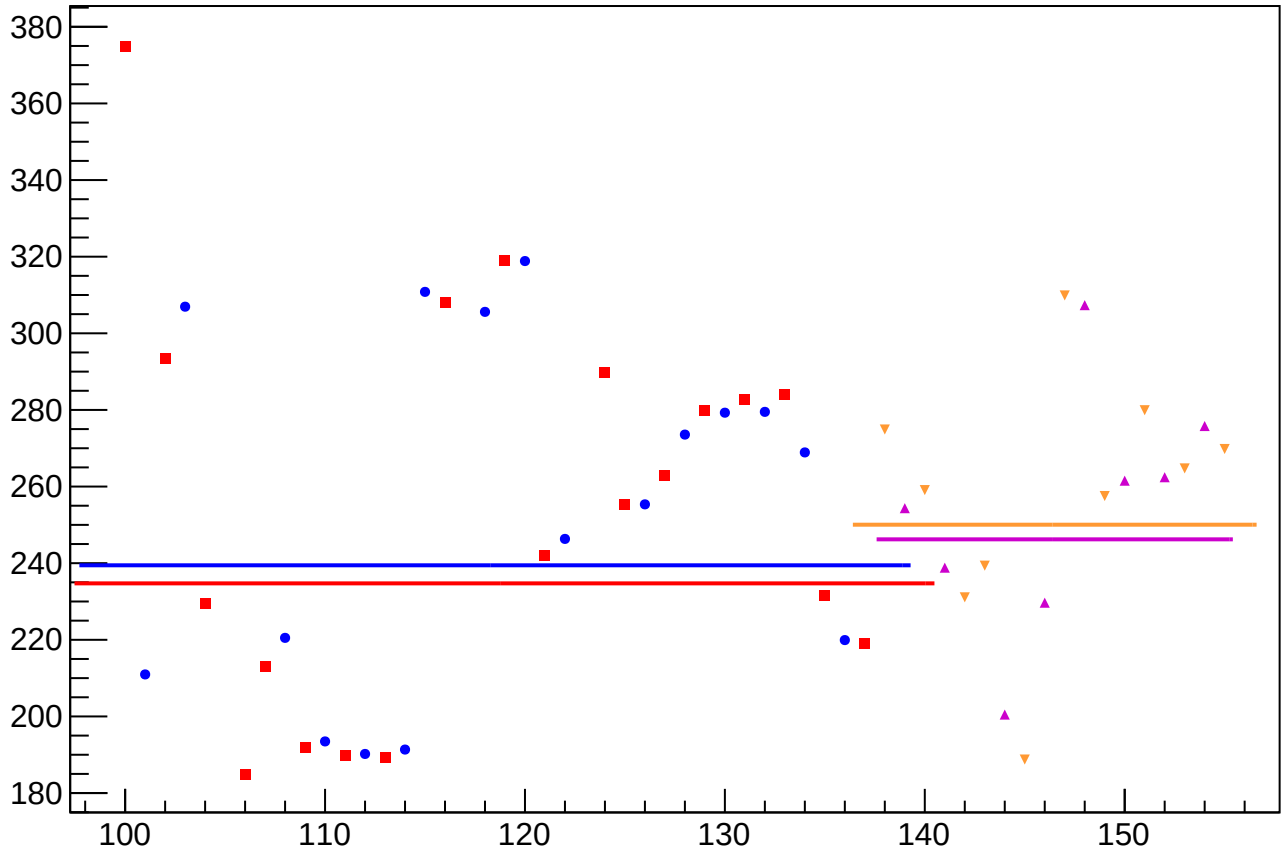
Left: 301.262+/-65.101 χ^2/NDF: 14.0/17

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 130.225+/-65.220 χ^2/NDF:26.1/23

Out: 257.742+/-62.995 χ^2/NDF:21.3/28

All: 196.196+/-45.310 χ^2/NDF: 49.3/52



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 250.044+/-0.064 χ^2/NDF:289500.6/9

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 246.224+/-0.066 χ^2/NDF:203614.1/7

Left: 248.209+/-0.046 χ^2/NDF: 494833.8/17

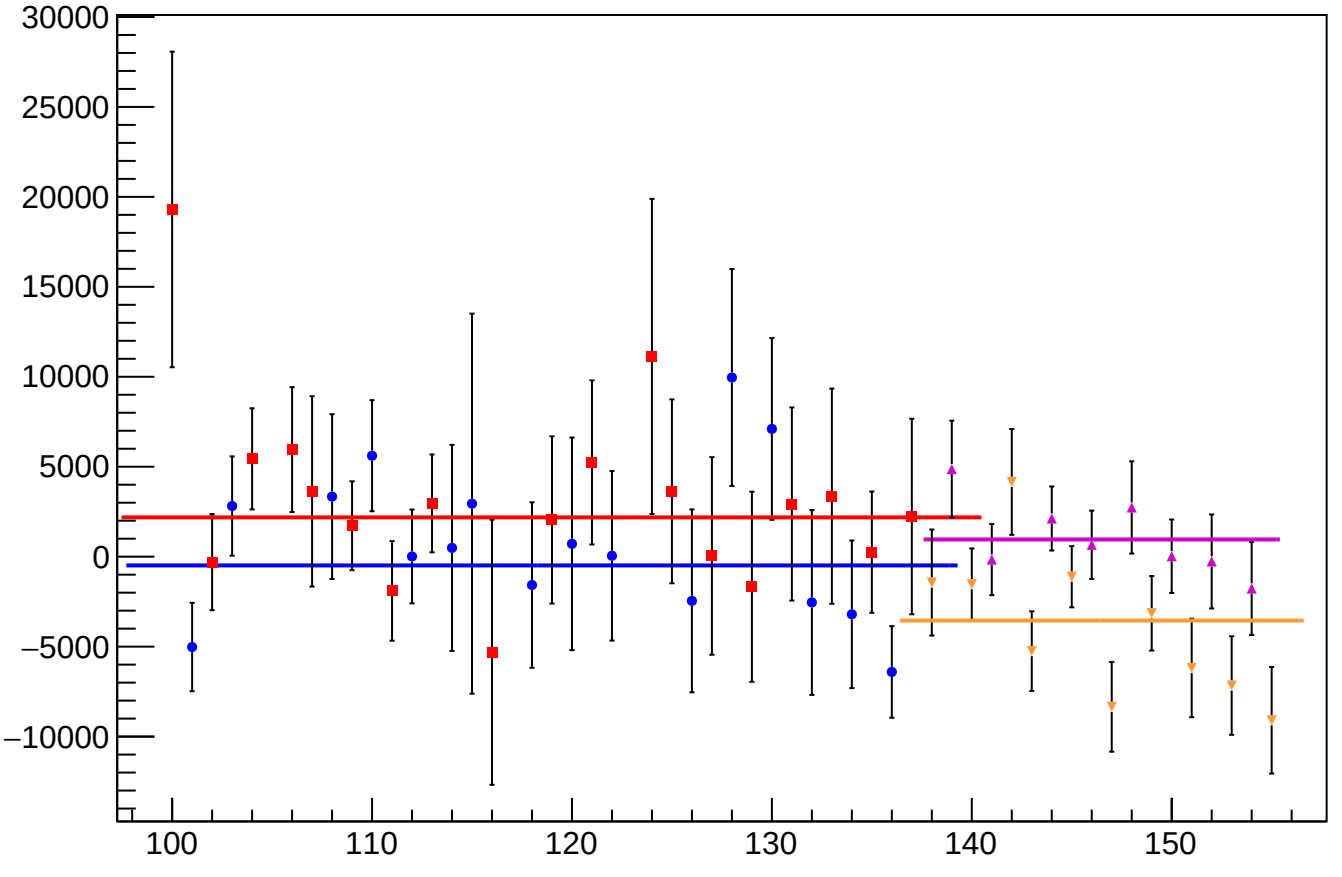
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 242.715+/-0.046 χ^2/NDF:609960.2/23

Out: 242.184+/-0.045 χ^2/NDF:804256.6/28

All: 242.440+/-0.032 χ^2/NDF: 1414285.3/52

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3550.210+/-743.412 χ^2/NDF:21.0/9

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 957.728+/-772.773 χ^2/NDF:4.9/7

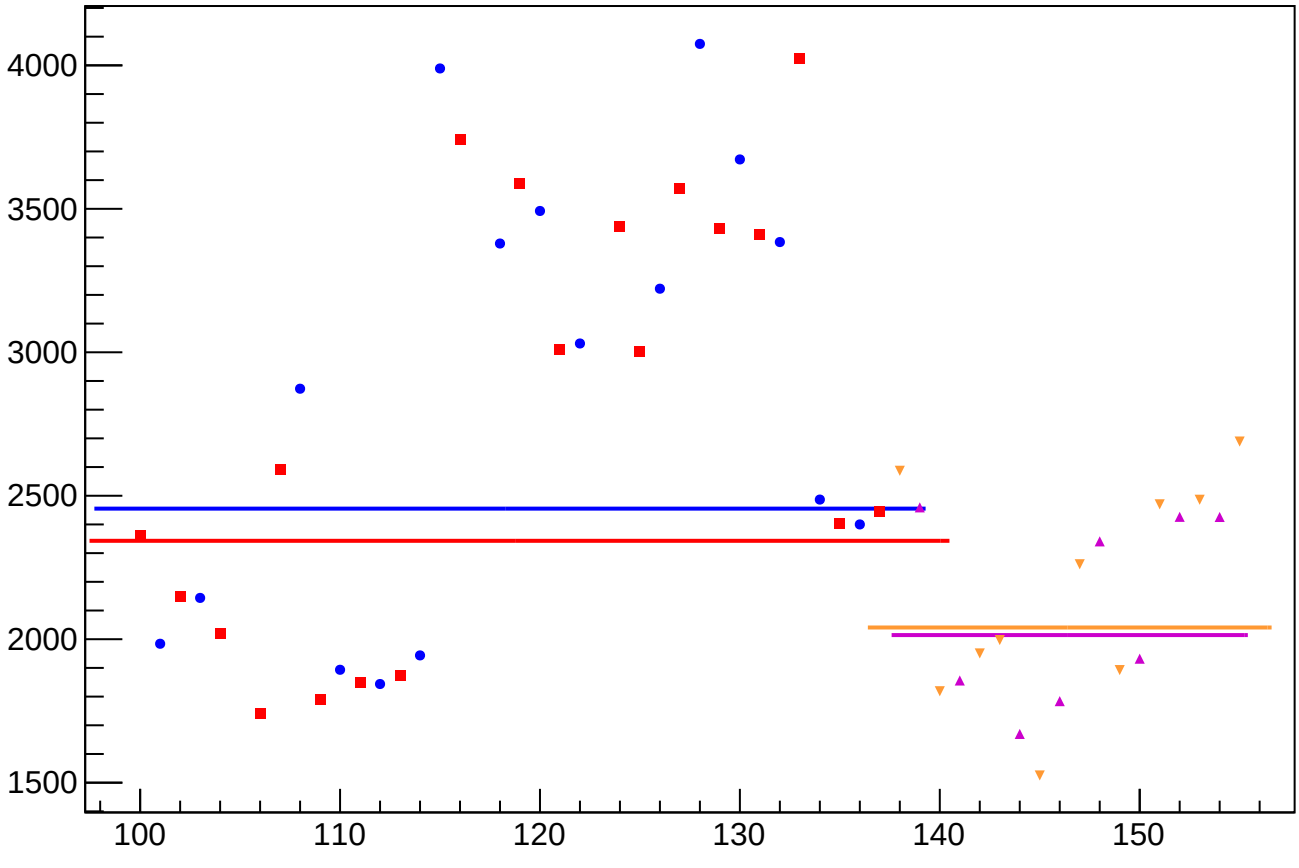
Left: -1383.507+/-535.751 χ^2/NDF: 43.5/17

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 380.939+/-598.845 χ^2/NDF:27.4/23

Out: -1211.468+/-572.090 χ^2/NDF:58.5/28

All: -451.631+/-413.664 χ^2/NDF: 89.6/52



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2040.841+/-0.526 χ^2/NDF:504209.4/9

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2014.416+/-0.546 χ^2/NDF:307863.6/7

Left: 2028.140+/-0.379 χ^2/NDF: 813287.6/17

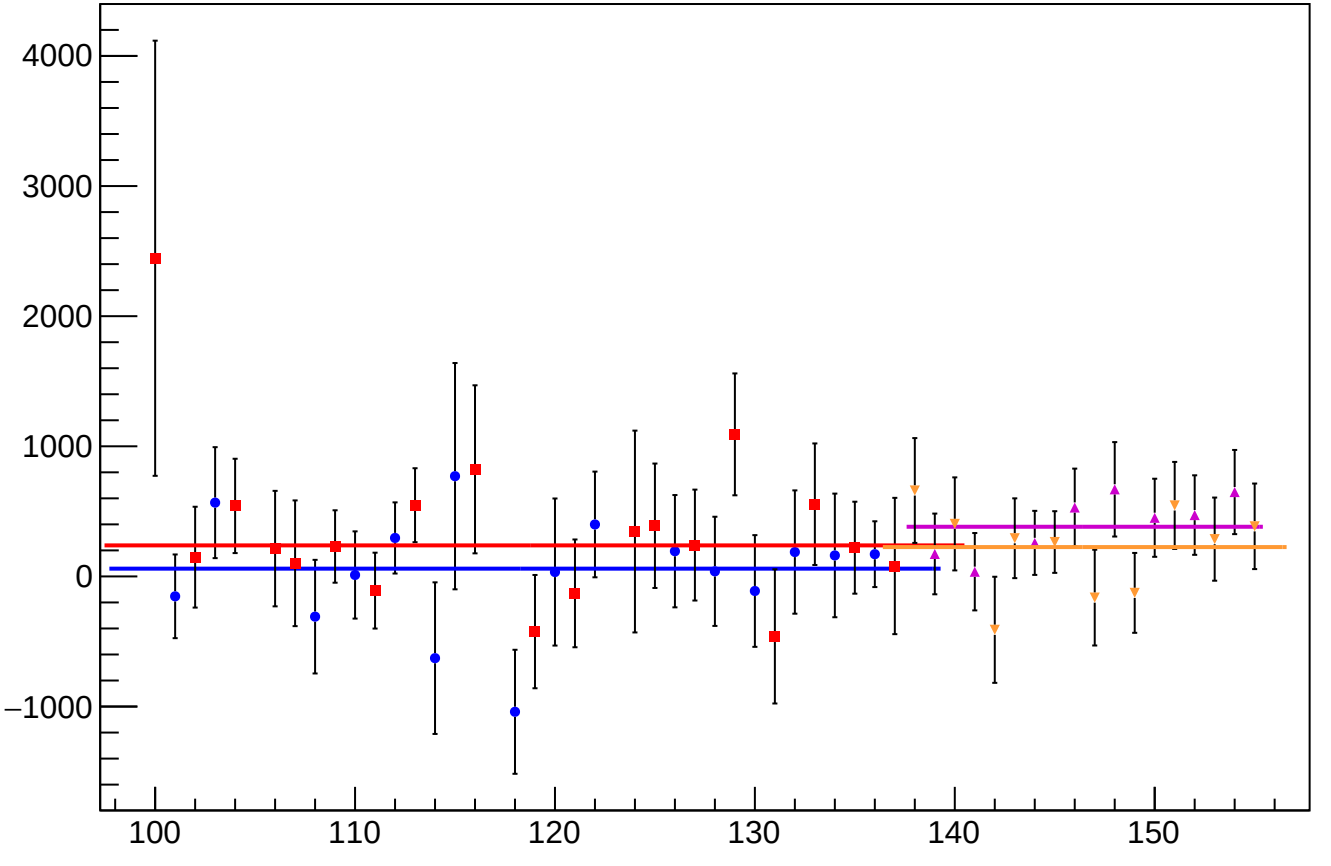
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2190.473+/-0.423 χ^2/NDF:1462078.8/23

Out: 2164.043+/-0.405 χ^2/NDF:1709294.7/28

All: 2176.654+/-0.293 χ^2/NDF: 3173410.5/52

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 225.508+/-102.900 χ^2/NDF:7.5/9

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 381.643+/-106.361 χ^2/NDF:3.8/7

Left: 300.994+/-73.955 χ^2/NDF: 12.4/17

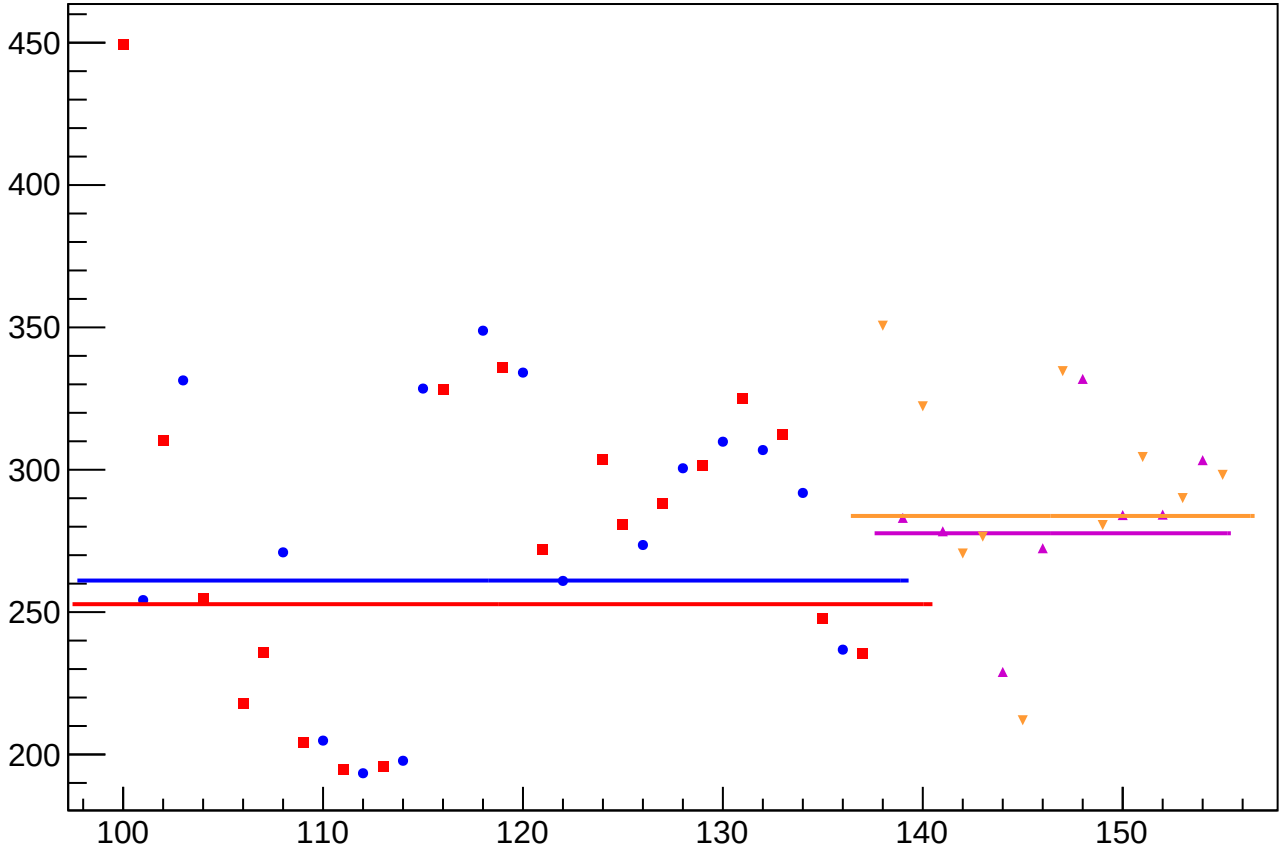
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 209.532+/-72.556 χ^2/NDF:20.6/23

Out: 232.526+/-69.826 χ^2/NDF:22.5/28

All: 221.470+/-50.312 χ^2/NDF: 43.2/52

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 283.775+/-0.073 χ^2/NDF:315630.2/9

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 277.692+/-0.075 χ^2/NDF:138667.3/7

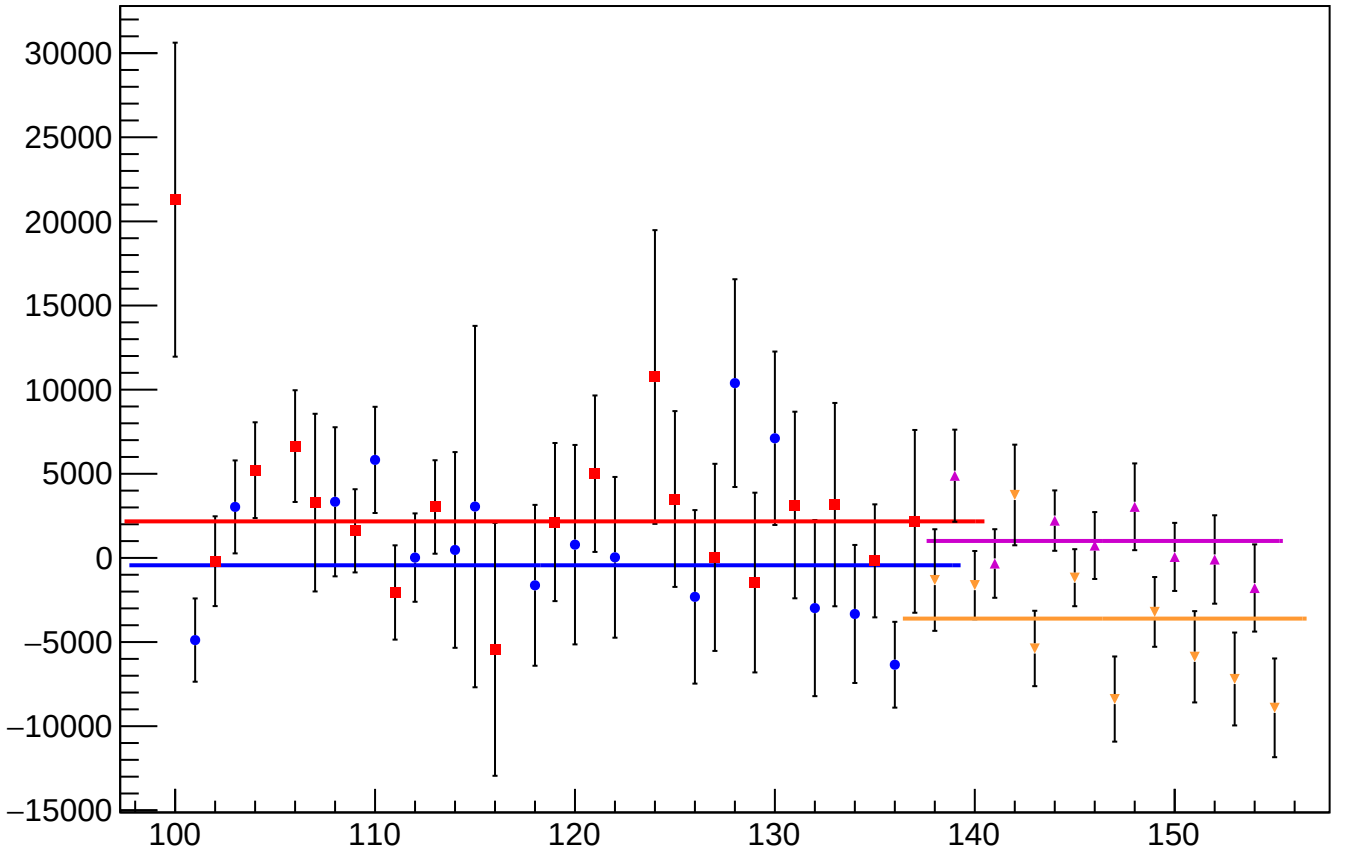
Left: 280.834+/-0.052 χ^2/NDF: 457677.4/17

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 268.815+/-0.051 χ^2/NDF:627384.9/23

Out: 267.056+/-0.049 χ^2/NDF:950782.3/28

All: 267.902+/-0.036 χ^2/NDF: 1578777.3/52



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3605.838+/-748.679 χ^2/NDF:19.5/9

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 1008.533+/-784.166 χ^2/NDF:5.1/7

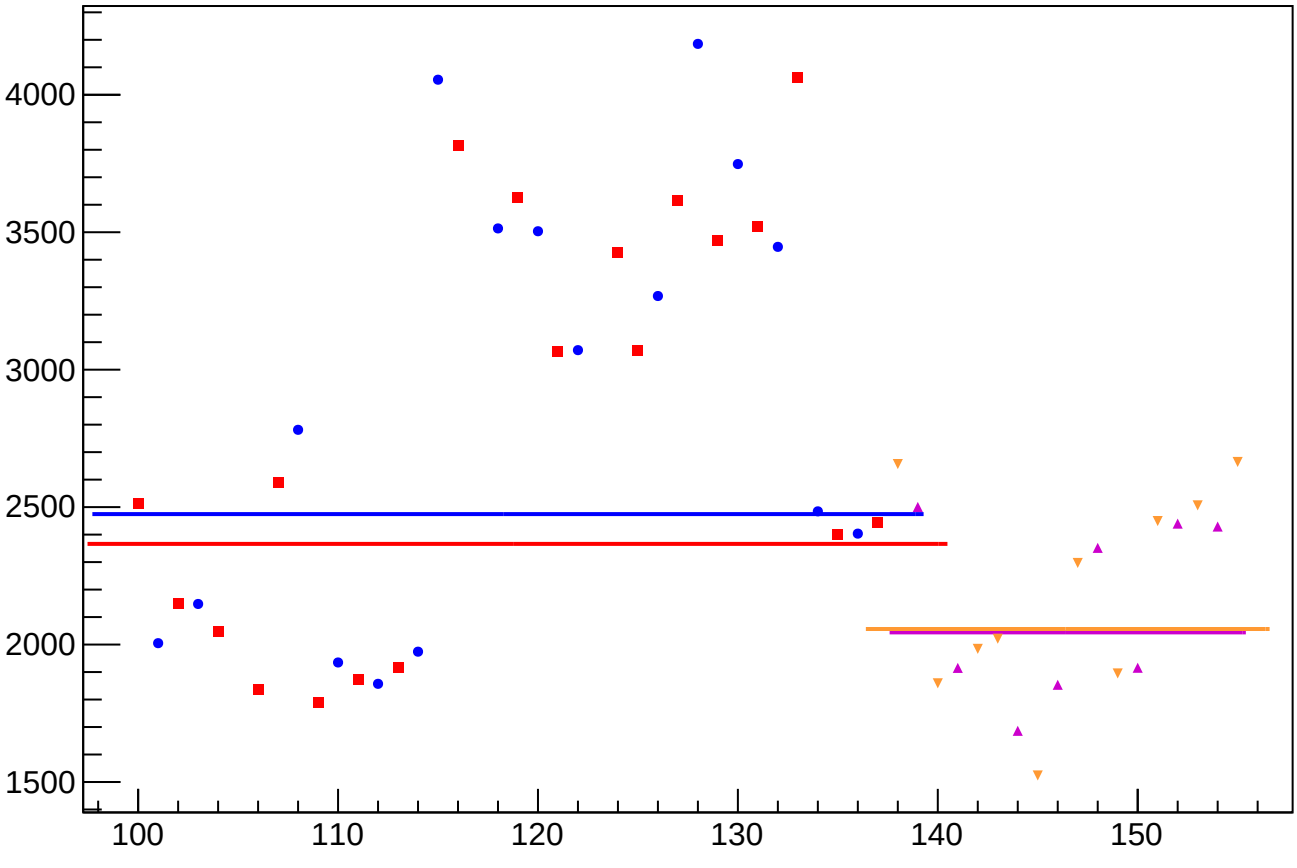
Left: -1405.424+/-541.507 χ^2/NDF: 42.7/17

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 426.606+/-606.073 χ^2/NDF:27.7/23

Out: -1246.179+/-575.854 χ^2/NDF:57.8/28

All: -452.527+/-417.465 χ^2/NDF: 89.5/52



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2056.609+/-0.529 χ^2/NDF:508226.8/9

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2044.285+/-0.554 χ^2/NDF:287684.8/7

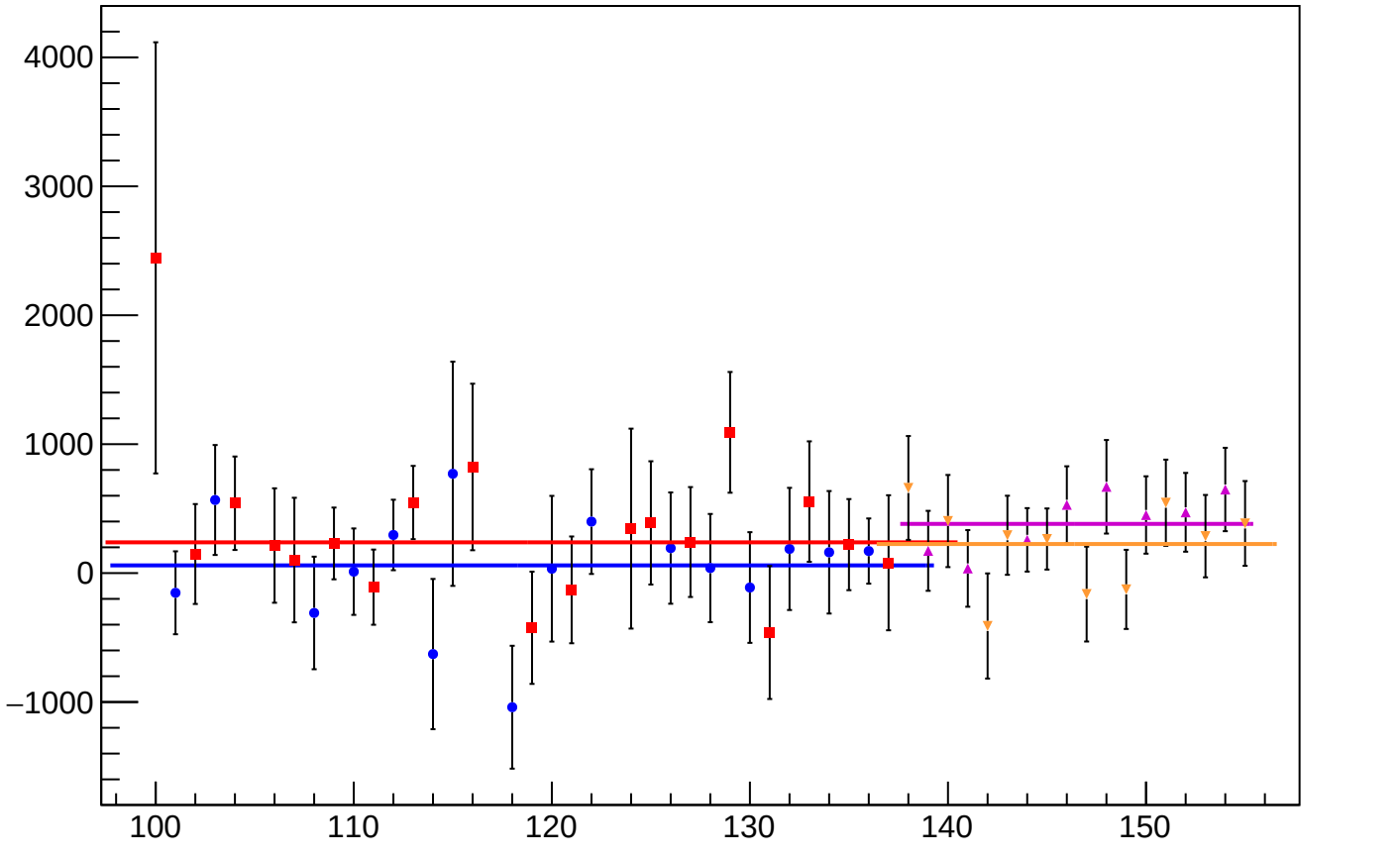
Left: 2050.732+/-0.383 χ^2/NDF: 796170.0/17

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

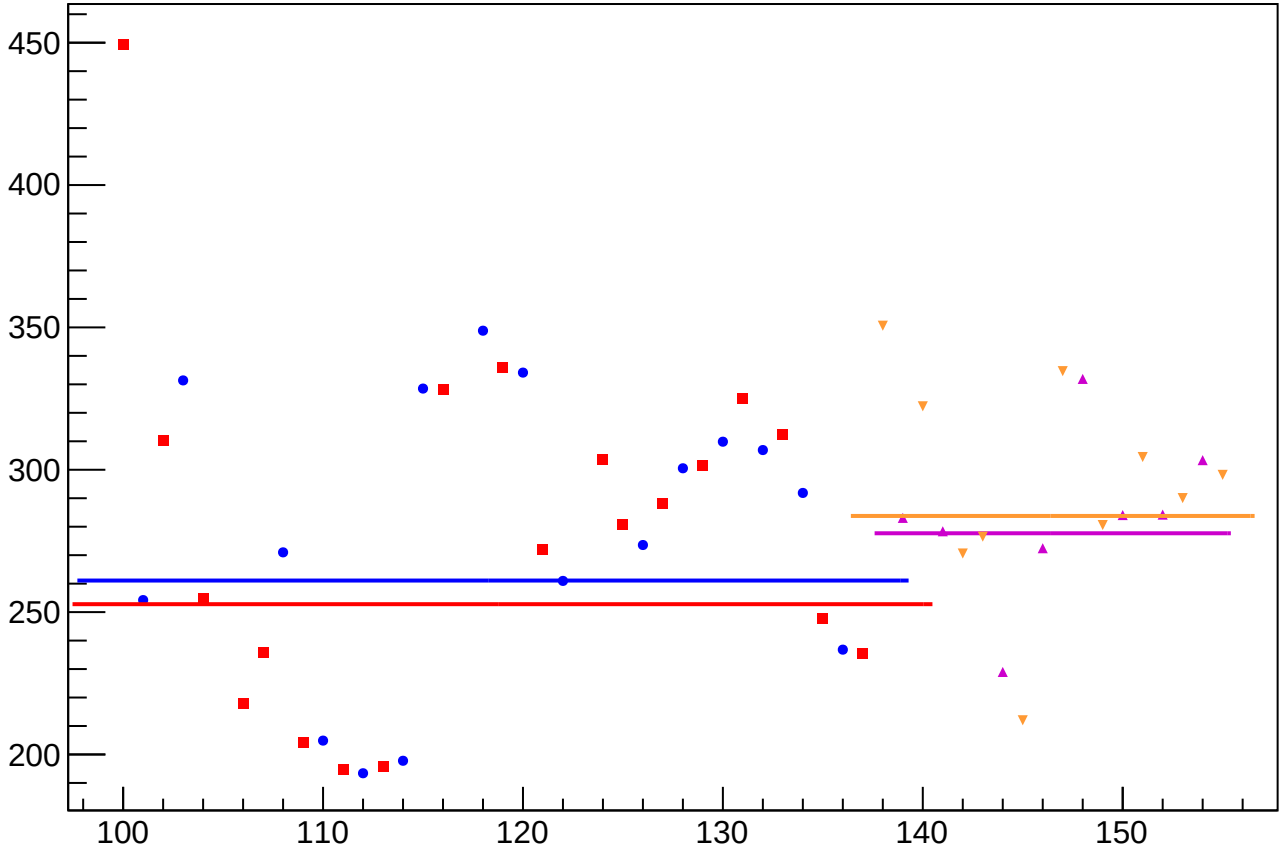
In: 2217.558+/-0.429 χ^2/NDF:1446457.8/23

Out: 2183.052+/-0.407 χ^2/NDF:1725088.2/28

All: 2199.423+/-0.295 χ^2/NDF: 3174953.0/52


eigen_dit_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
100
110
120
130
140
150
Right In: 59.734+/-99.230 χ²/NDF: 12.0/15
Left Out: 225.510+/-102.900 χ²/NDF:7.5/9
Right Out: 238.515+/-95.062 χ²/NDF: 14.9/18
Left In: 381.646+/-106.361 χ²/NDF:3.8/7
Left: 300.996+/-73.955 χ²/NDF: 12.4/17
Right: 152.957+/-68.645 χ²/NDF: 28.6/34
In: 209.536+/-72.556 χ²/NDF:20.6/23
Out: 232.527+/-69.826 χ²/NDF:22.5/28
All: 221.472+/-50.312 χ²/NDF: 43.2/52

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 283.776+/-0.073 χ^2/NDF:315625.5/9

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 277.692+/-0.075 χ^2/NDF:138665.5/7

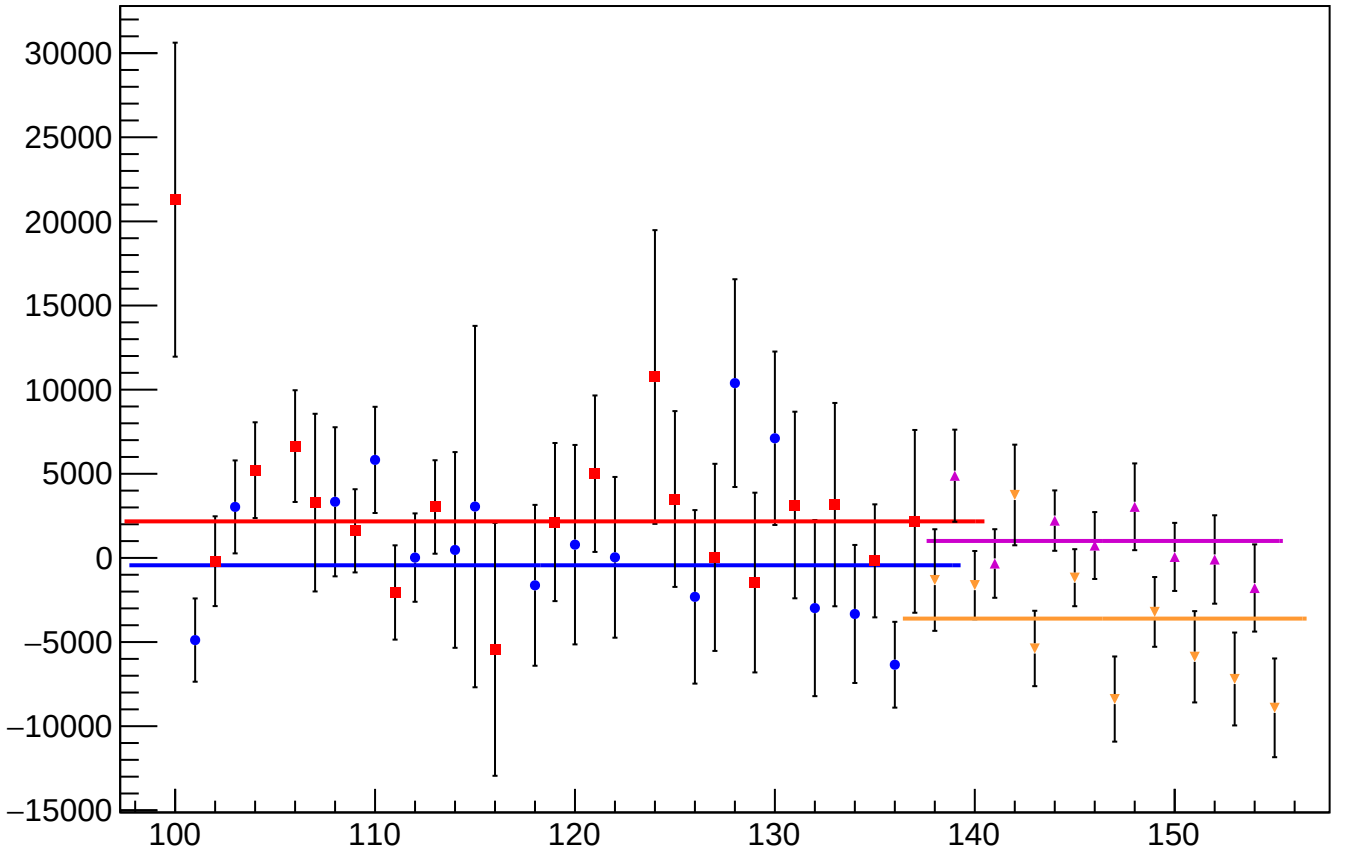
Left: 280.835+/-0.052 χ^2/NDF: 457670.9/17

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 268.815+/-0.051 χ^2/NDF:627387.3/23

Out: 267.056+/-0.049 χ^2/NDF:950784.1/28

All: 267.902+/-0.036 χ^2/NDF: 1578781.5/52



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3605.833+/-748.678 χ^2/NDF:19.5/9

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 1008.533+/-784.166 χ^2/NDF:5.1/7

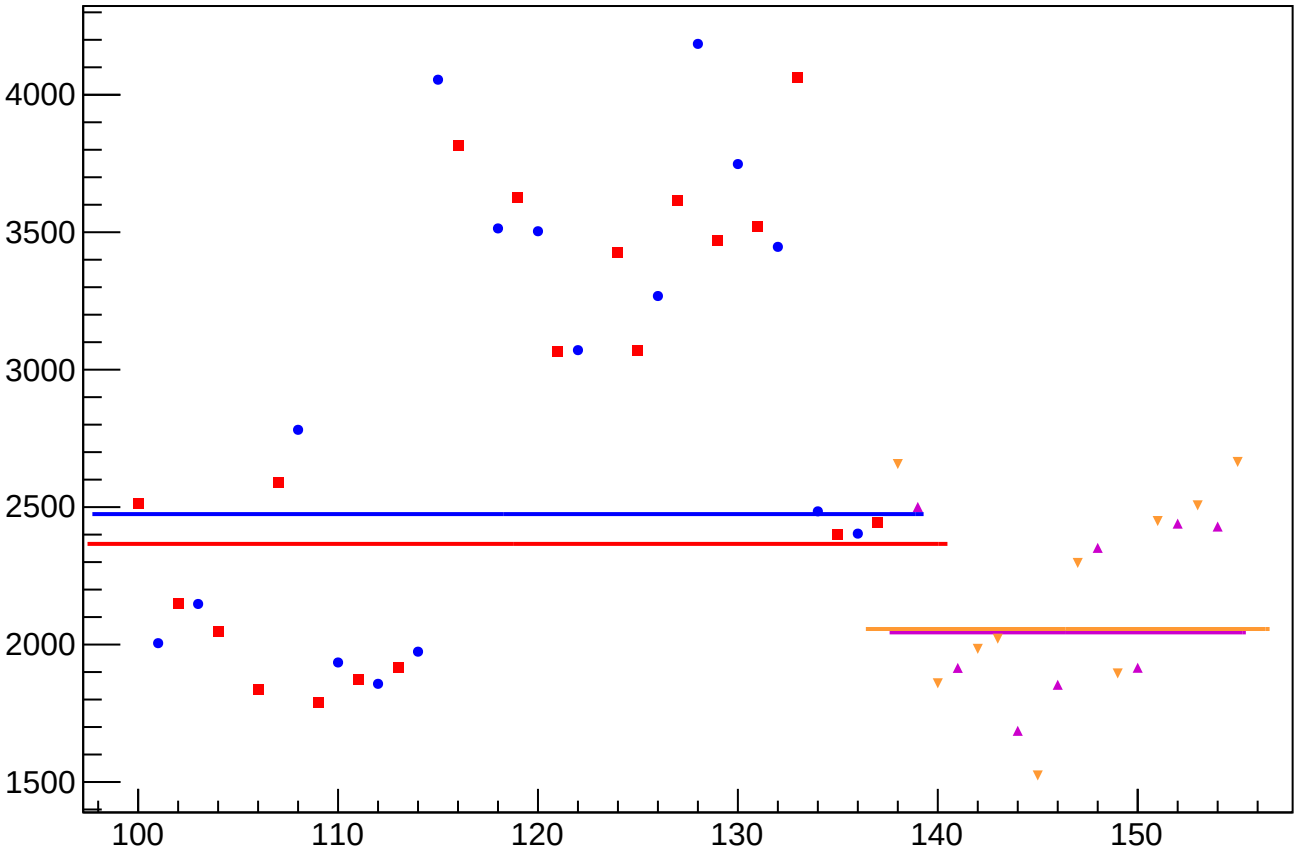
Left: -1405.423+/-541.506 χ^2/NDF: 42.7/17

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 426.606+/-606.072 χ^2/NDF:27.7/23

Out: -1246.178+/-575.854 χ^2/NDF:57.8/28

All: -452.526+/-417.464 χ^2/NDF: 89.5/52



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2056.607+/-0.529 χ^2/NDF:508229.7/9

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2044.285+/-0.554 χ^2/NDF:287683.6/7

Left: 2050.731+/-0.383 χ^2/NDF: 796171.6/17

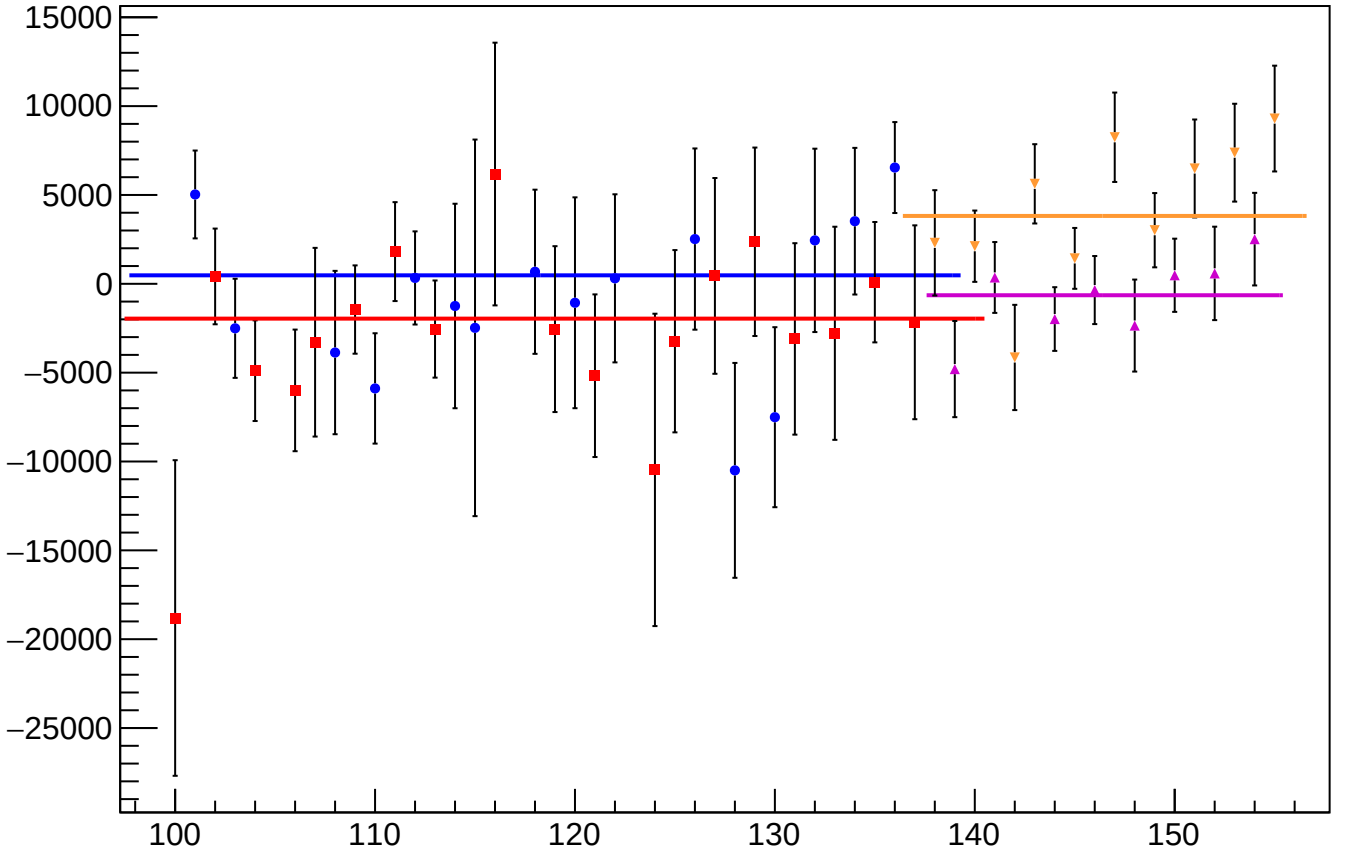
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2217.557+/-0.429 χ^2/NDF:1446459.2/23

Out: 2183.050+/-0.407 χ^2/NDF:1725094.2/28

All: 2199.422+/-0.295 χ^2/NDF: 3174960.6/52

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3819.956+/-749.249 χ^2/NDF:20.1/9

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -643.478+/-778.752 χ^2/NDF:5.6/7

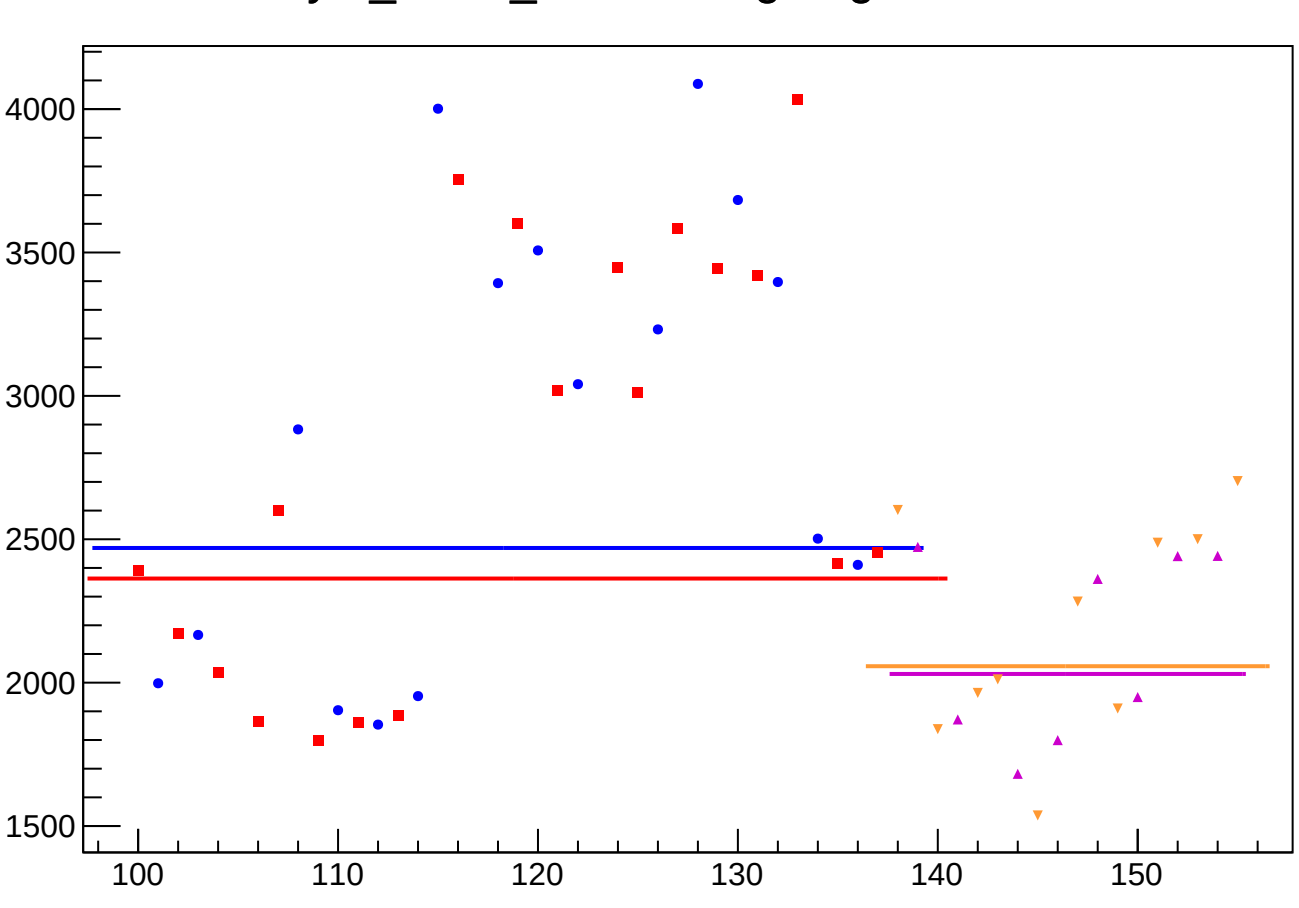
Left: 1674.388+/-539.928 χ^2/NDF: 42.7/17

Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -194.597+/-602.960 χ^2/NDF:28.6/23

Out: 1453.205+/-575.747 χ^2/NDF:57.3/28

All: 667.327+/-416.403 χ^2/NDF: 89.7/52



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2057.310+/-0.530 χ^2/NDF:499526.7/9

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2030.305+/-0.551 χ^2/NDF:305396.3/7

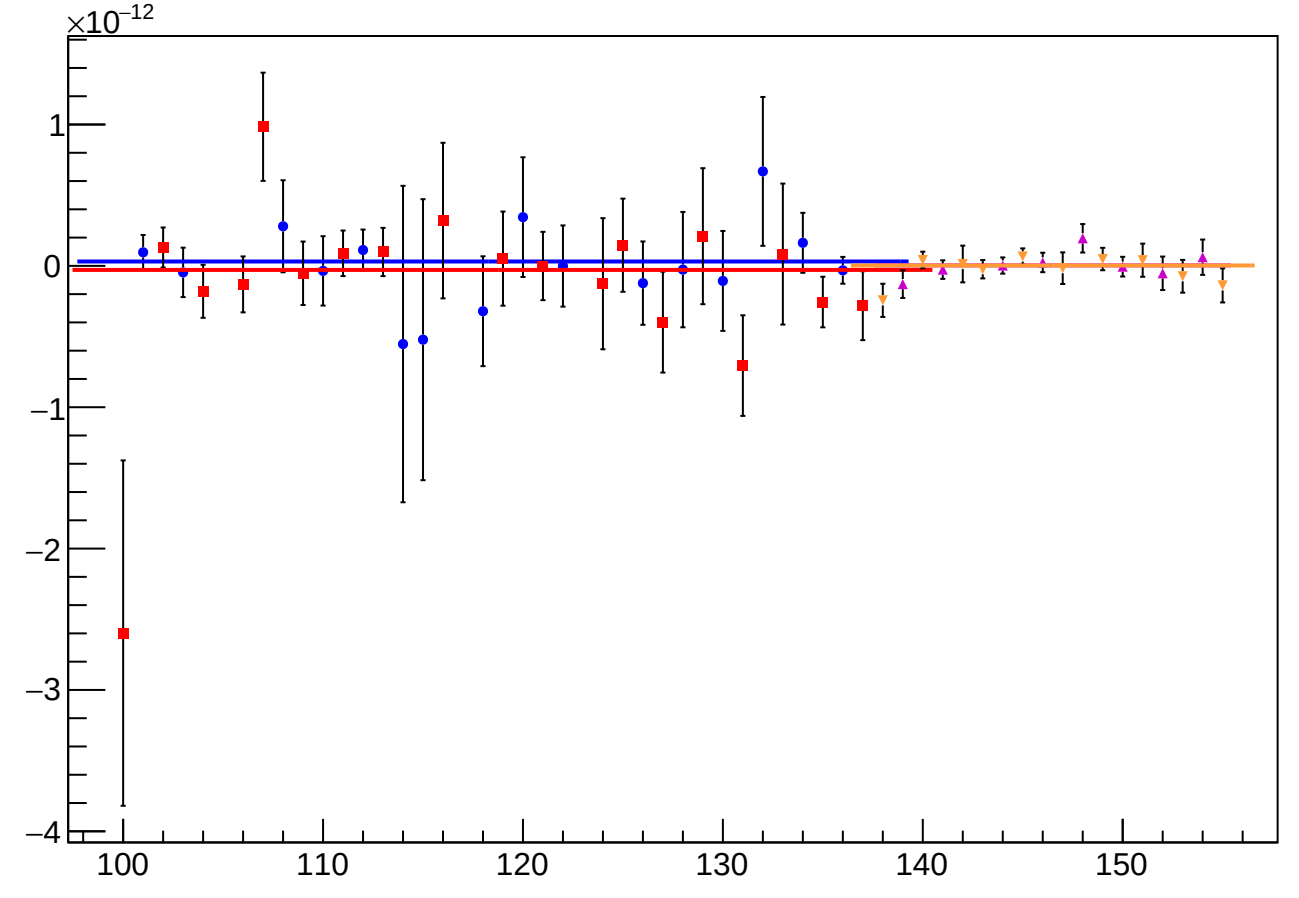
Left: 2044.329+/-0.382 χ^2/NDF: 806172.0/17

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2206.264+/-0.426 χ^2/NDF:1446515.6/23

Out: 2182.515+/-0.407 χ^2/NDF:1679252.9/28

All: 2193.842+/-0.294 χ^2/NDF: 3127391.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.5/9

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/7

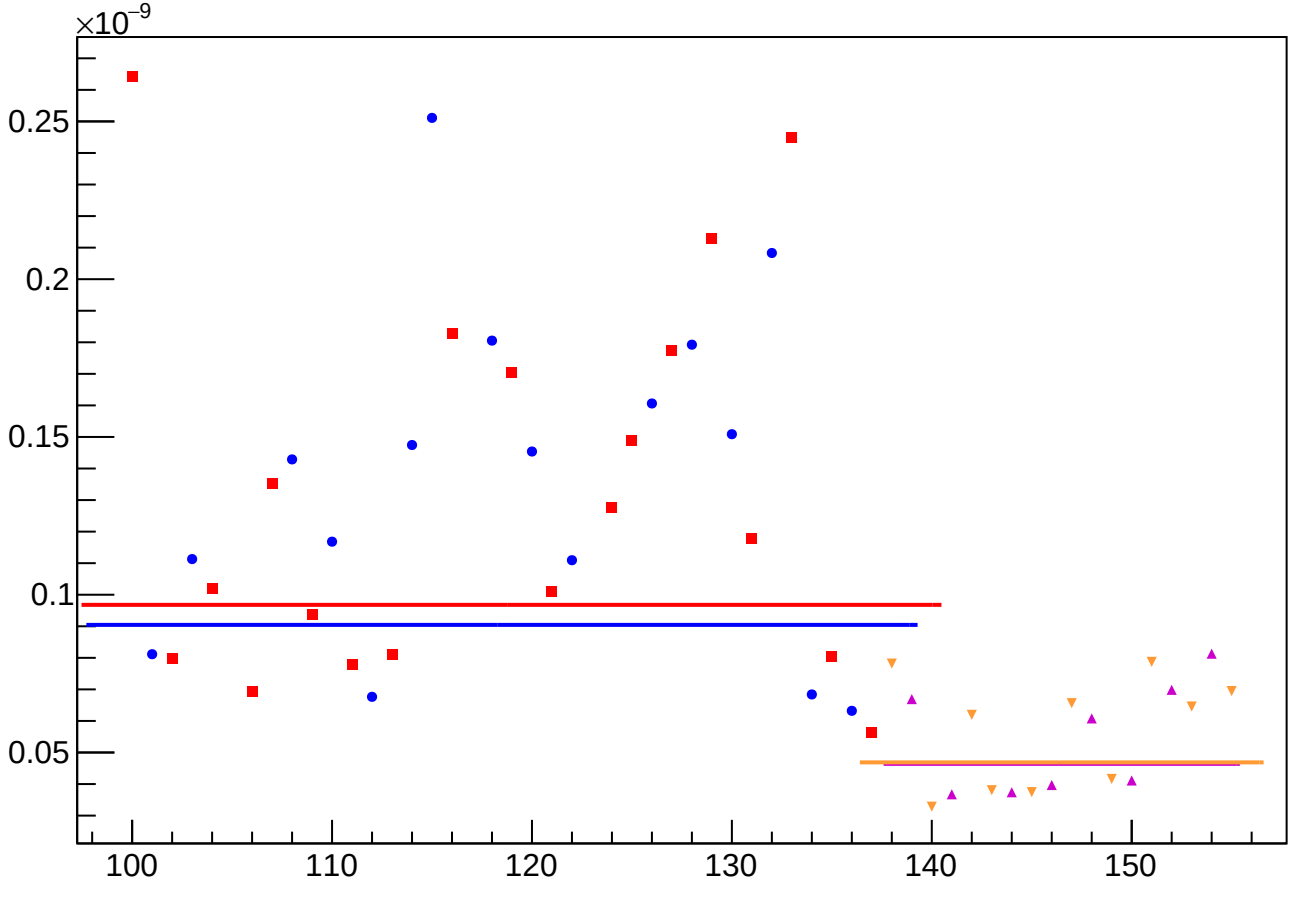
Left: 0.000+/-0.000 χ^2/NDF: 14.7/17

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:12.5/23

Out: -0.000+/-0.000 χ^2/NDF:32.0/28

All: 0.000+/-0.000 χ^2/NDF: 44.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:703774.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:486142.6/7

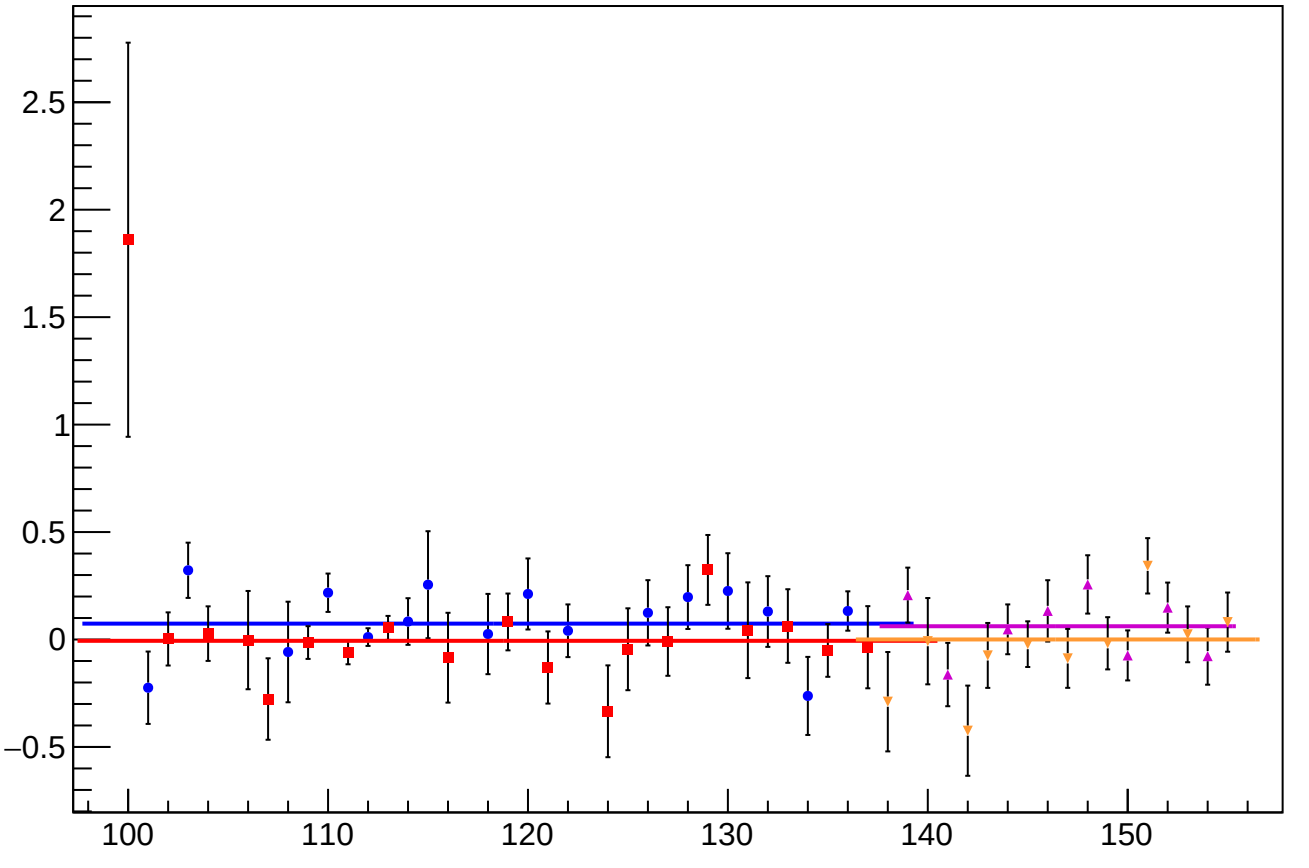
Left: 0.000+/-0.000 χ^2/NDF: 1190218.0/17

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2509313.8/23

Out: 0.000+/-0.000 χ^2/NDF:2855411.3/28

All: 0.000+/-0.000 χ^2/NDF: 5364725.2/52



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.045 χ^2/NDF:13.8/9

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.062+/-0.045 χ^2/NDF:8.9/7

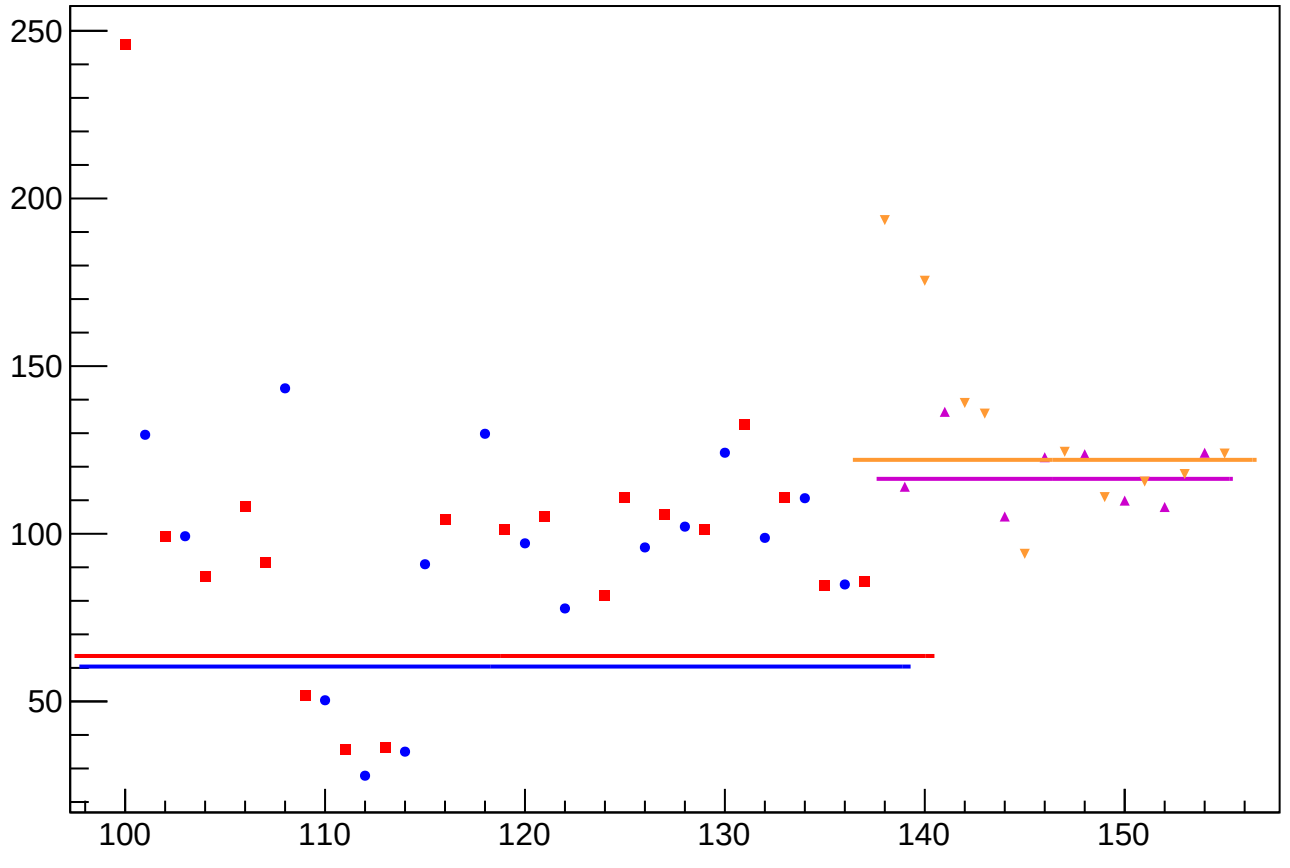
Left: 0.031+/-0.032 χ^2/NDF: 23.7/17

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.071+/-0.023 χ^2/NDF:28.0/23

Out: -0.004+/-0.023 χ^2/NDF:30.3/28

All: 0.033+/-0.016 χ^2/NDF: 63.5/52



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 122.050+/-0.032 χ^2/NDF:526396.6/9

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.383+/-0.032 χ^2/NDF:89607.4/7

Left: 119.225+/-0.023 χ^2/NDF: 631749.7/17

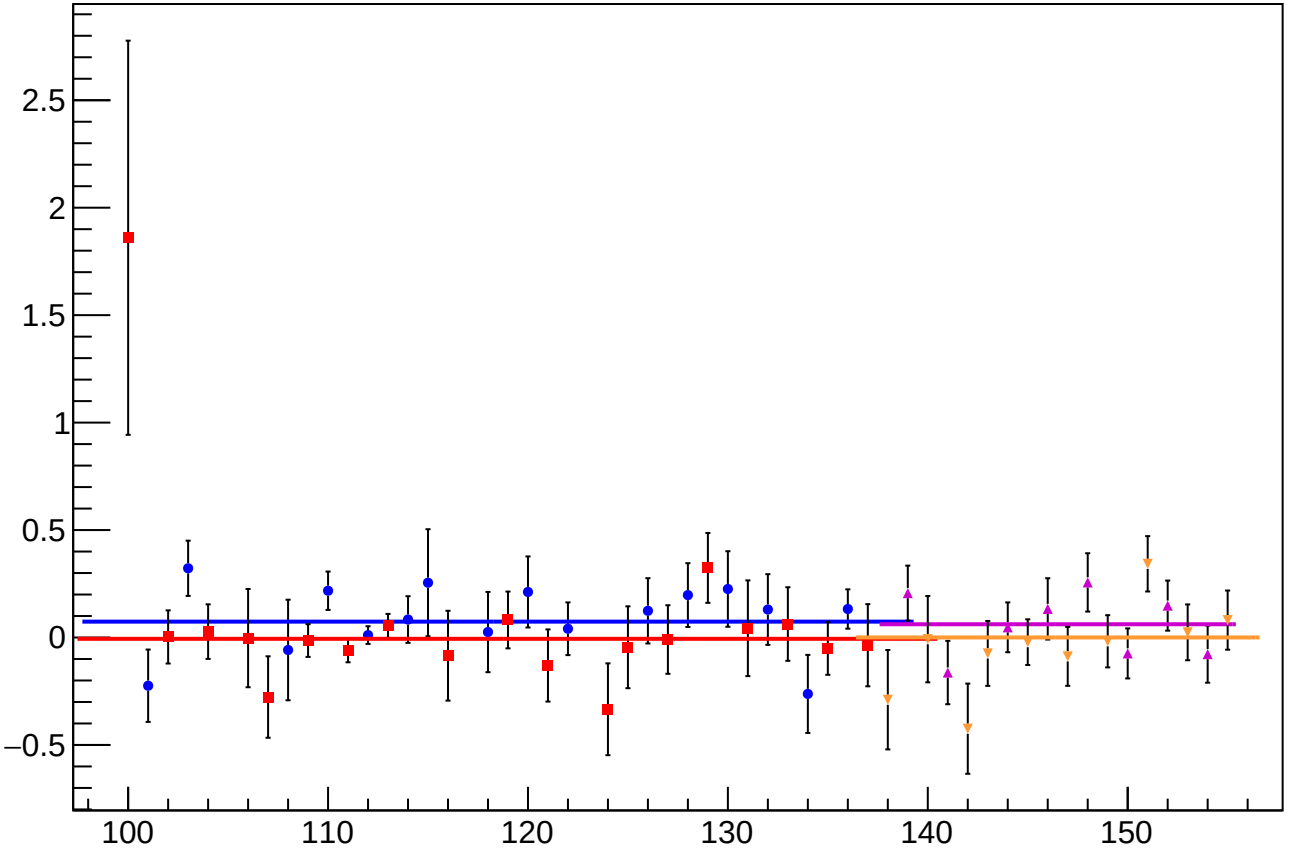
Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 75.118+/-0.016 χ^2/NDF:5886088.9/23

Out: 78.848+/-0.016 χ^2/NDF:5666735.0/28

All: 76.994+/-0.012 χ^2/NDF: 11578842.8/52

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.045 χ^2/NDF:13.8/9

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.062+/-0.045 χ^2/NDF:8.9/7

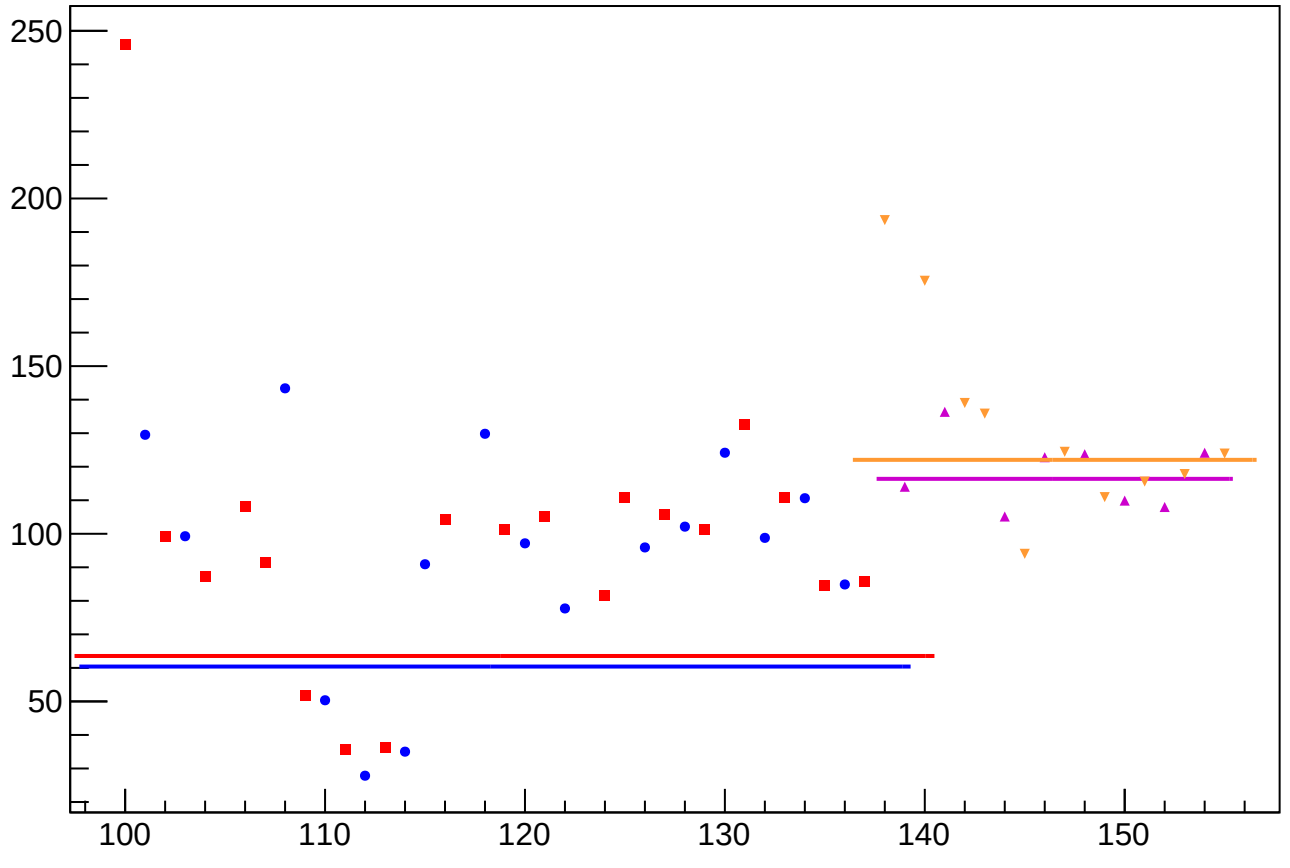
Left: 0.031+/-0.032 χ^2/NDF: 23.7/17

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.071+/-0.023 χ^2/NDF:28.0/23

Out: -0.004+/-0.023 χ^2/NDF:30.3/28

All: 0.033+/-0.016 χ^2/NDF: 63.5/52



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 122.050+/-0.032 χ^2/NDF:526396.6/9

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.383+/-0.032 χ^2/NDF:89607.4/7

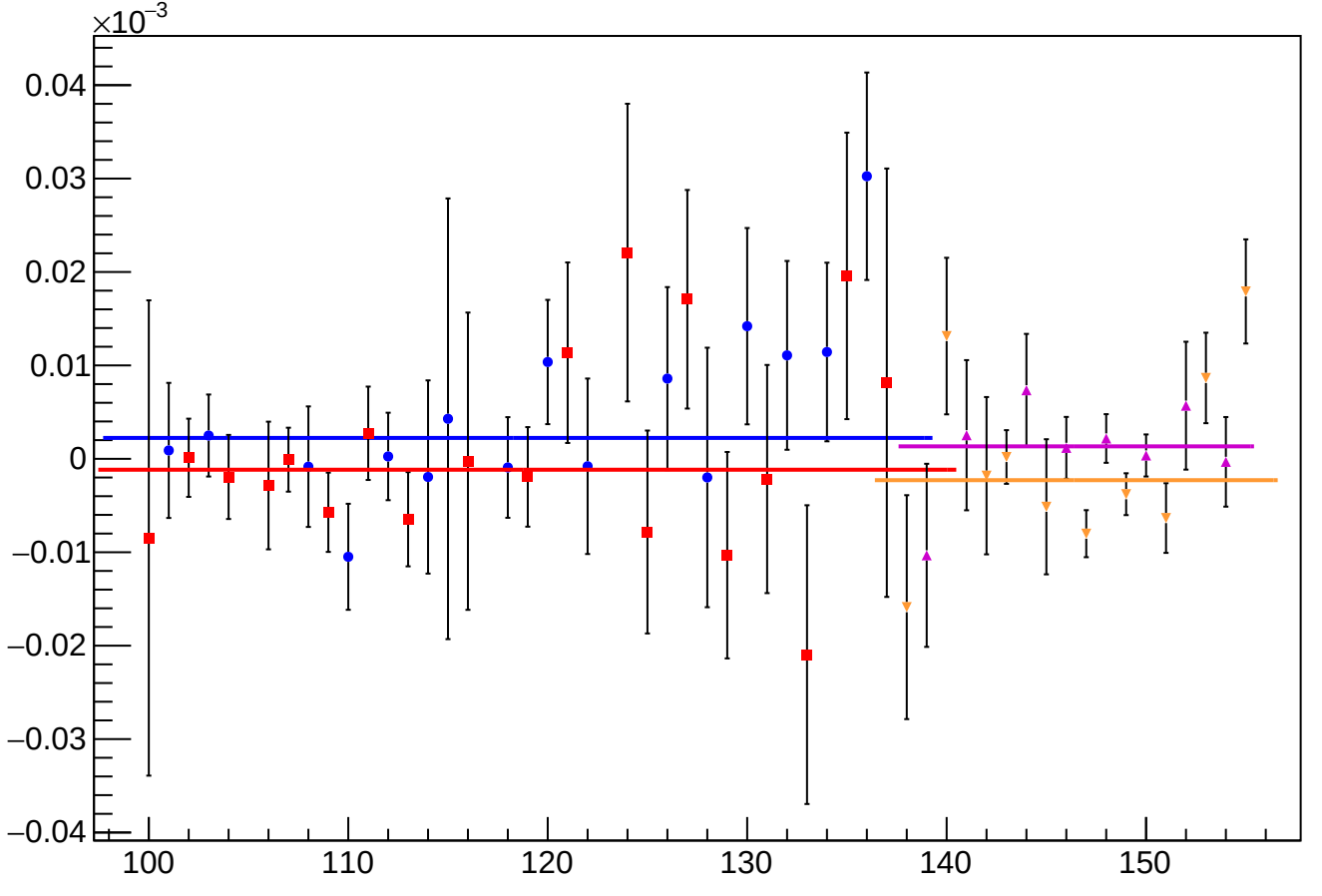
Left: 119.225+/-0.023 χ^2/NDF: 631749.7/17

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 75.118+/-0.016 χ^2/NDF:5886088.9/23

Out: 78.848+/-0.016 χ^2/NDF:5666735.0/28

All: 76.994+/-0.012 χ^2/NDF: 11578842.8/52



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

Left Out: -0.000+/-0.000 χ^2/NDF:30.6/9

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/7

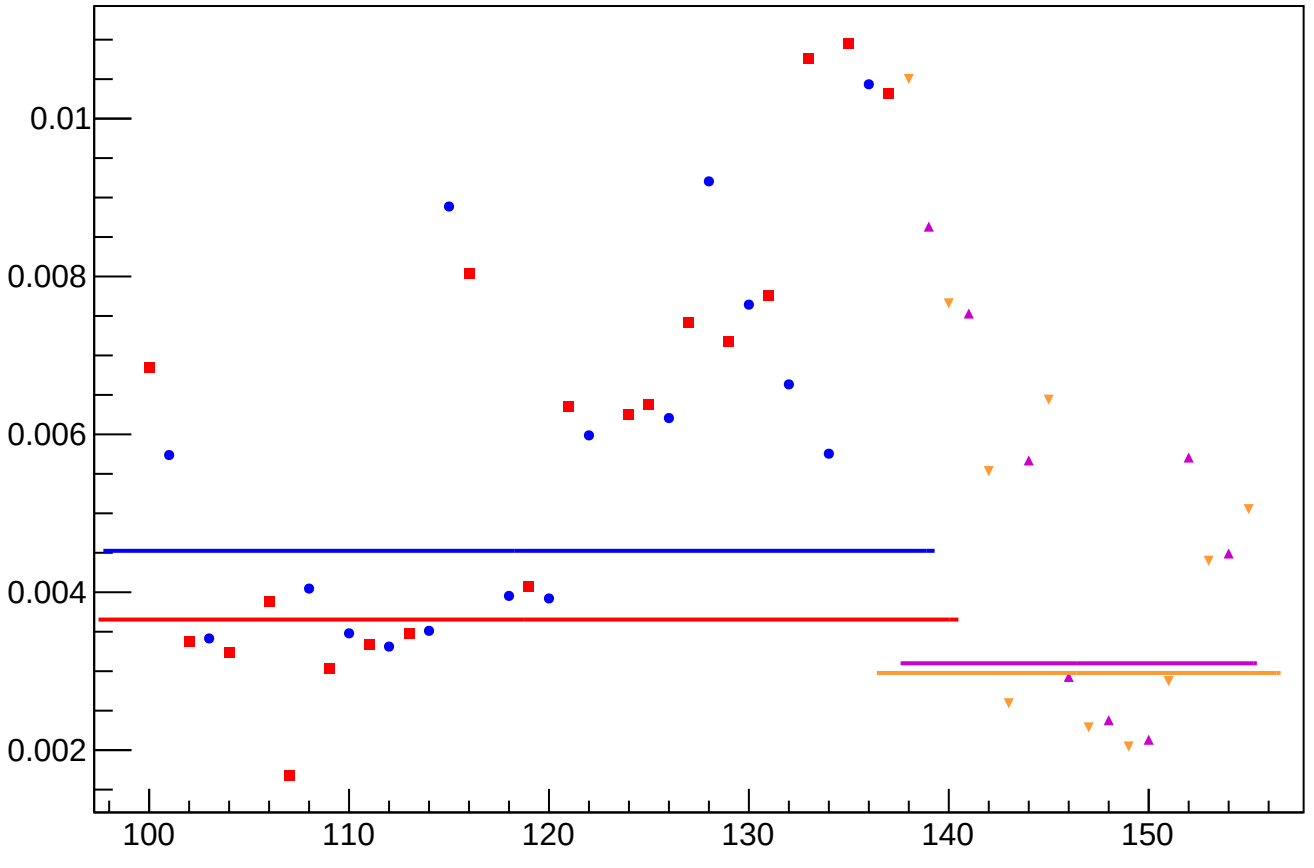
Left: -0.000+/-0.000 χ^2/NDF: 37.9/17

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:20.9/23

Out: -0.000+/-0.000 χ^2/NDF:45.1/28

All: -0.000+/-0.000 χ^2/NDF: 71.9/52



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:3039109.4/9

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:2595080.7/7

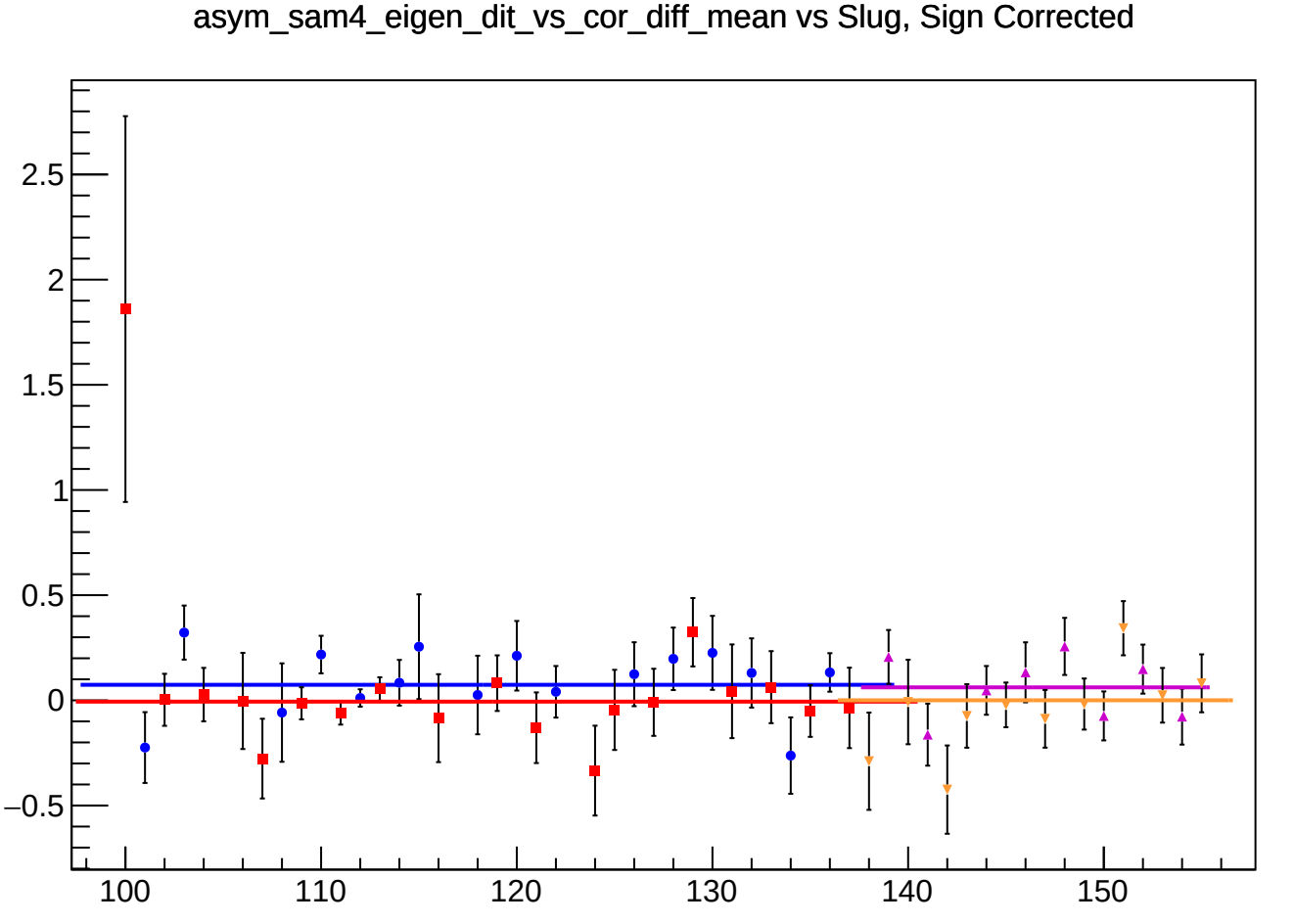
Left: 0.003+/-0.000 χ^2/NDF: 5643366.7/17

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:5114664.4/23

Out: 0.003+/-0.000 χ^2/NDF:6218255.3/28

All: 0.003+/-0.000 χ^2/NDF: 11459673.2/52



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.045 χ^2/NDF:13.8/9

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.062+/-0.045 χ^2/NDF:8.9/7

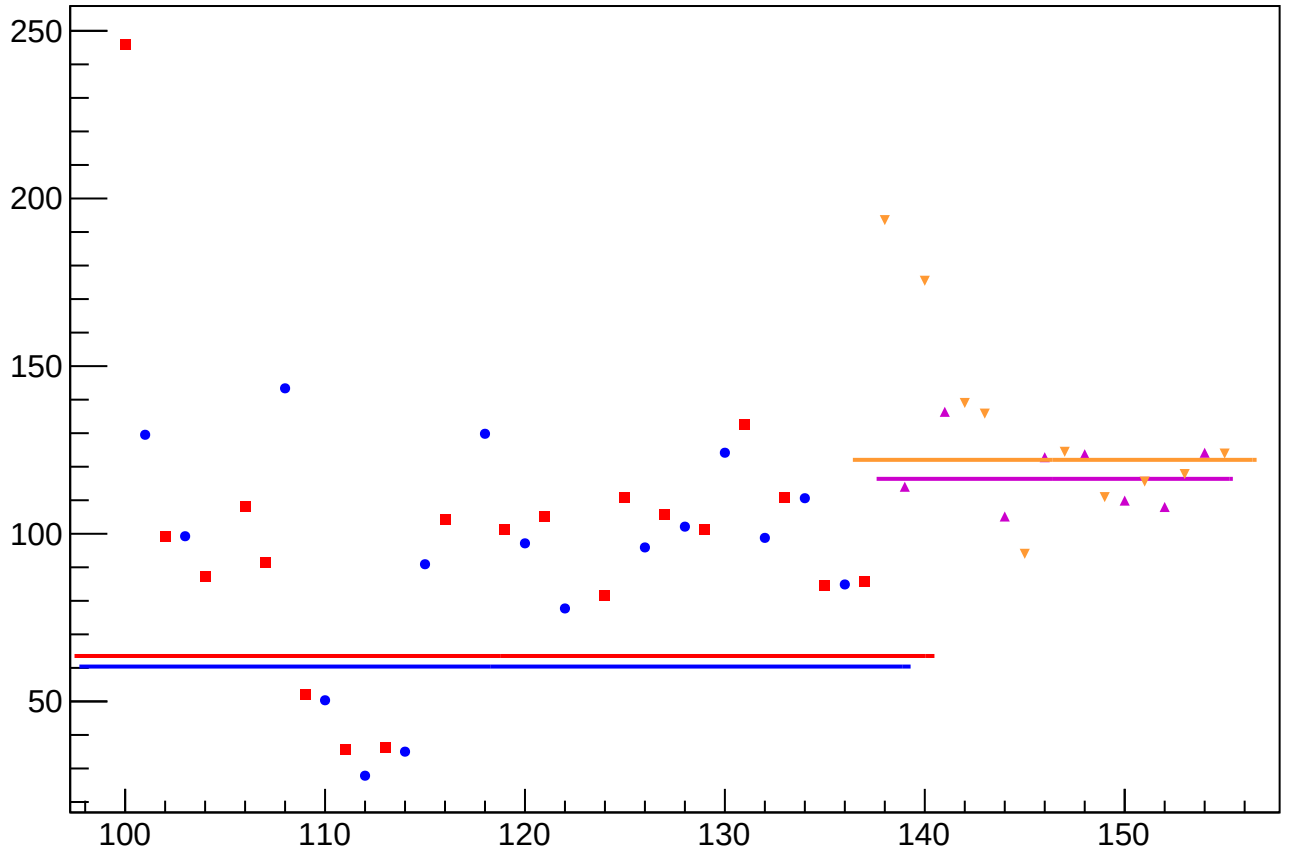
Left: 0.031+/-0.032 χ^2/NDF: 23.7/17

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.071+/-0.023 χ^2/NDF:28.0/23

Out: -0.004+/-0.023 χ^2/NDF:30.3/28

All: 0.033+/-0.016 χ^2/NDF: 63.5/52



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 122.051+/-0.032 χ^2/NDF:526371.3/9

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.384+/-0.032 χ^2/NDF:89607.5/7

Left: 119.226+/-0.023 χ^2/NDF: 631725.7/17

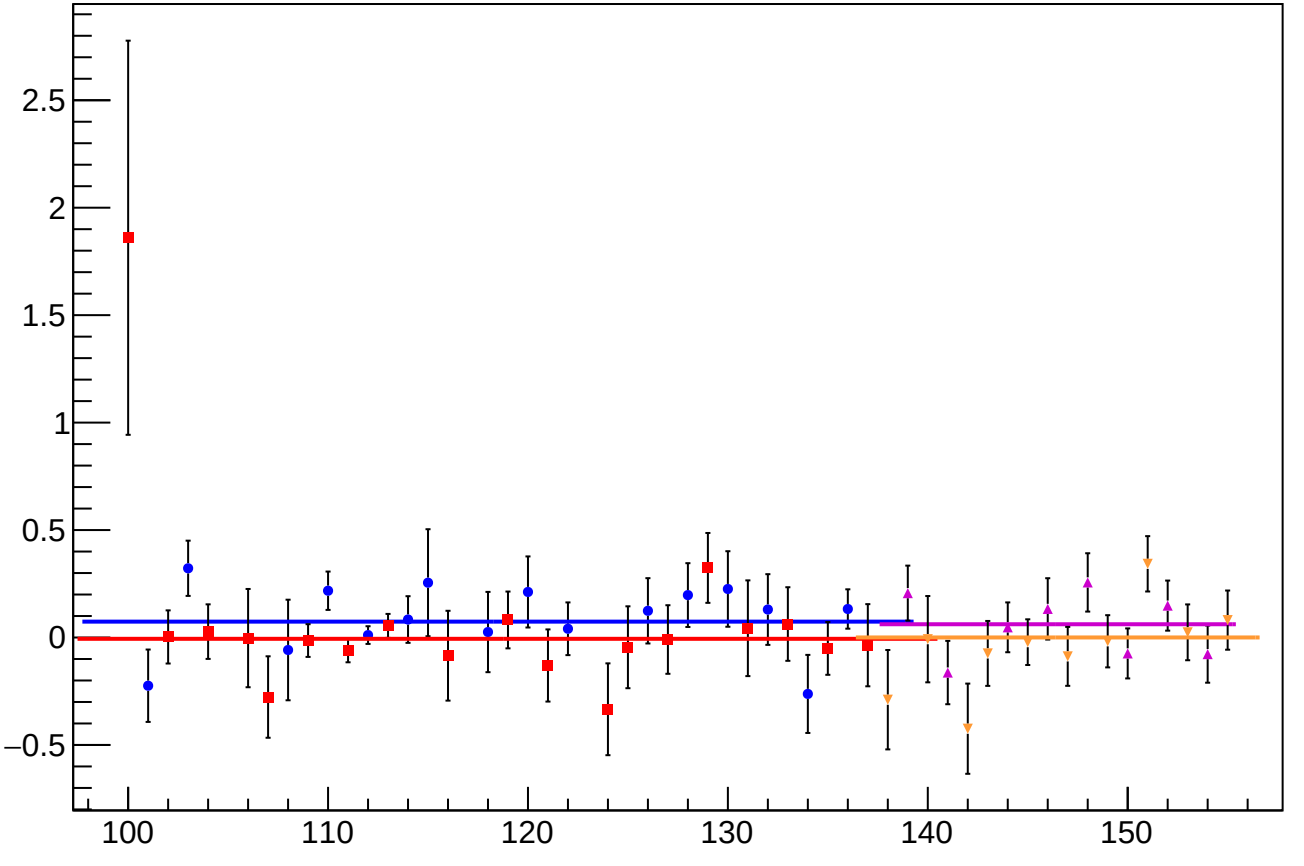
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 75.116+/-0.016 χ^2/NDF:5886601.0/23

Out: 78.847+/-0.016 χ^2/NDF:5667233.6/28

All: 76.992+/-0.012 χ^2/NDF: 11579858.5/52

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: 0.000+/-0.045 χ^2/NDF:13.8/9

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.062+/-0.045 χ^2/NDF:8.9/7

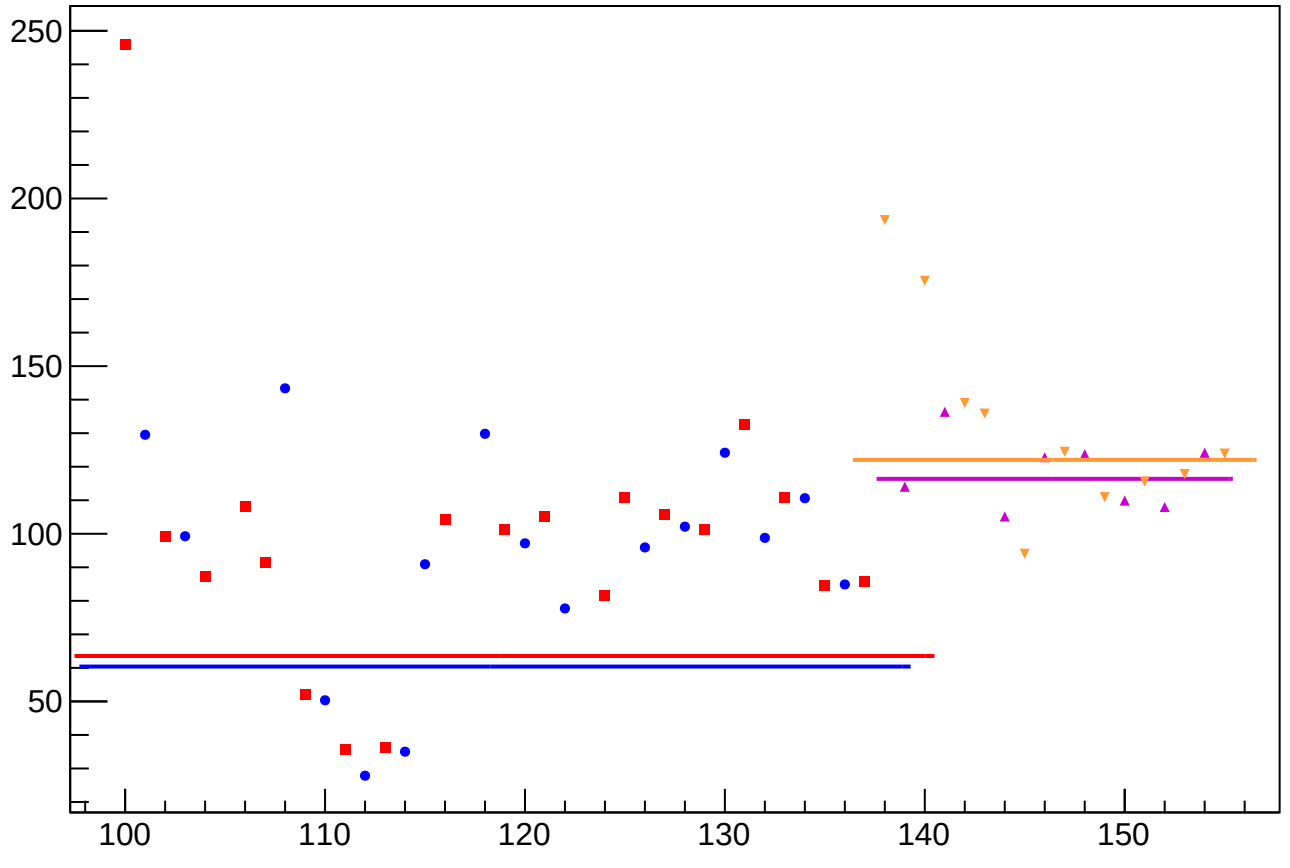
Left: 0.031+/-0.032 χ^2/NDF: 23.7/17

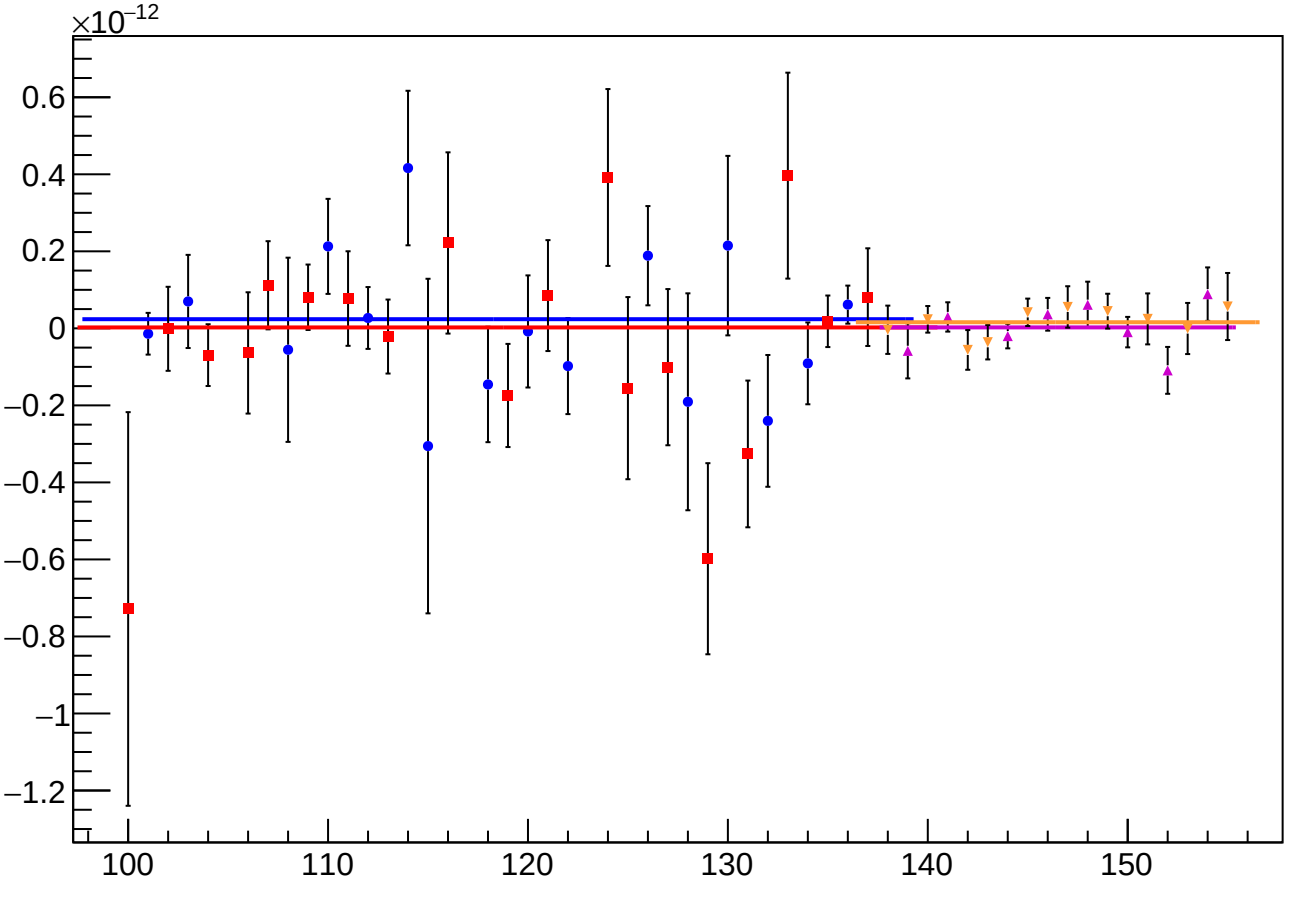
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.071+/-0.023 χ^2/NDF:28.0/23

Out: -0.004+/-0.023 χ^2/NDF:30.3/28

All: 0.033+/-0.016 χ^2/NDF: 63.5/52


asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
250
200
150
100
50
100
110
120
130
140
150
Right In: 60.399+/-0.019 χ²/NDF: 3538382.9/15
Left Out: 122.051+/-0.032 χ²/NDF:526371.3/9
Right Out: 63.551+/-0.019 χ²/NDF: 2654786.8/18
Left In: 116.384+/-0.032 χ²/NDF:89607.5/7
Left: 119.226+/-0.023 χ²/NDF: 631725.7/17
Right: 61.985+/-0.013 χ²/NDF: 6206876.3/34
In: 75.116+/-0.016 χ²/NDF:5886601.0/23
Out: 78.847+/-0.016 χ²/NDF:5667233.6/28
All: 76.992+/-0.012 χ²/NDF: 11579858.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/7

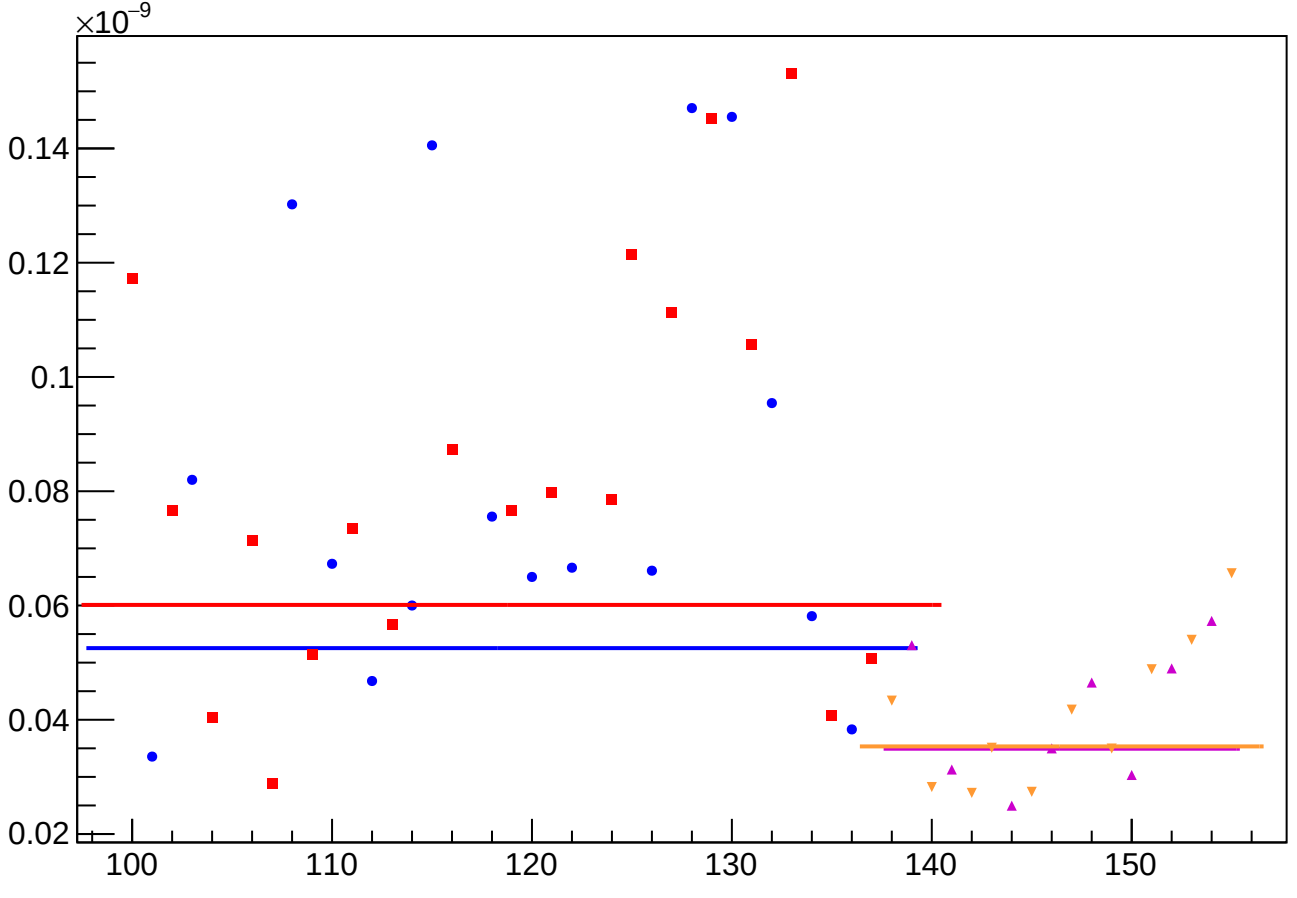
Left: 0.000+/-0.000 χ^2/NDF: 13.9/17

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:25.6/23

Out: 0.000+/-0.000 χ^2/NDF:28.6/28

All: 0.000+/-0.000 χ^2/NDF: 54.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:778995.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:757705.5/7

Left: 0.000+/-0.000 χ^2/NDF: 1537340.5/17

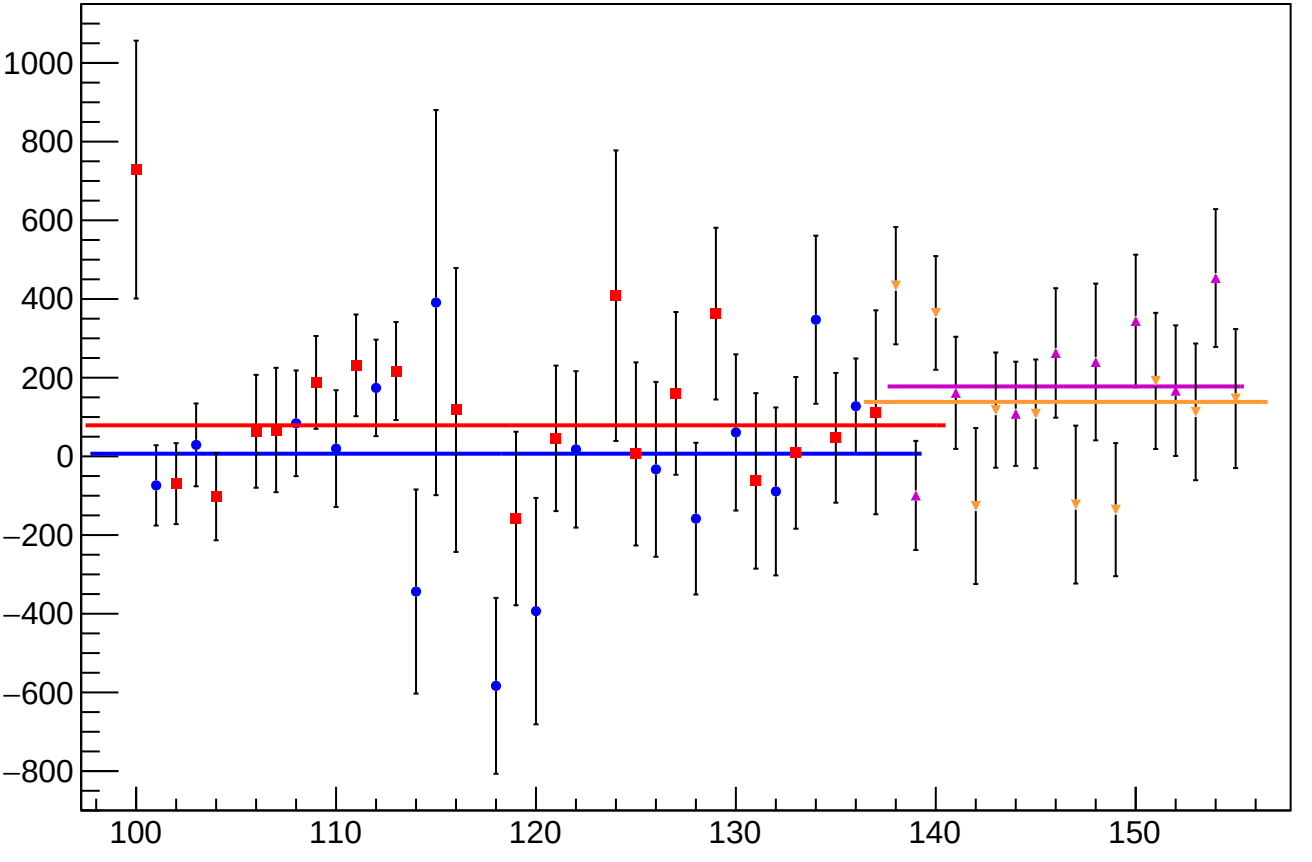
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:3060577.1/23

Out: 0.000+/-0.000 χ^2/NDF:3461853.9/28

All: 0.000+/-0.000 χ^2/NDF: 6528399.3/52

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 138.444+/-51.587 χ^2/NDF:12.7/9

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 177.730+/-55.511 χ^2/NDF:8.1/7

Left: 156.650+/-37.788 χ^2/NDF: 21.0/17

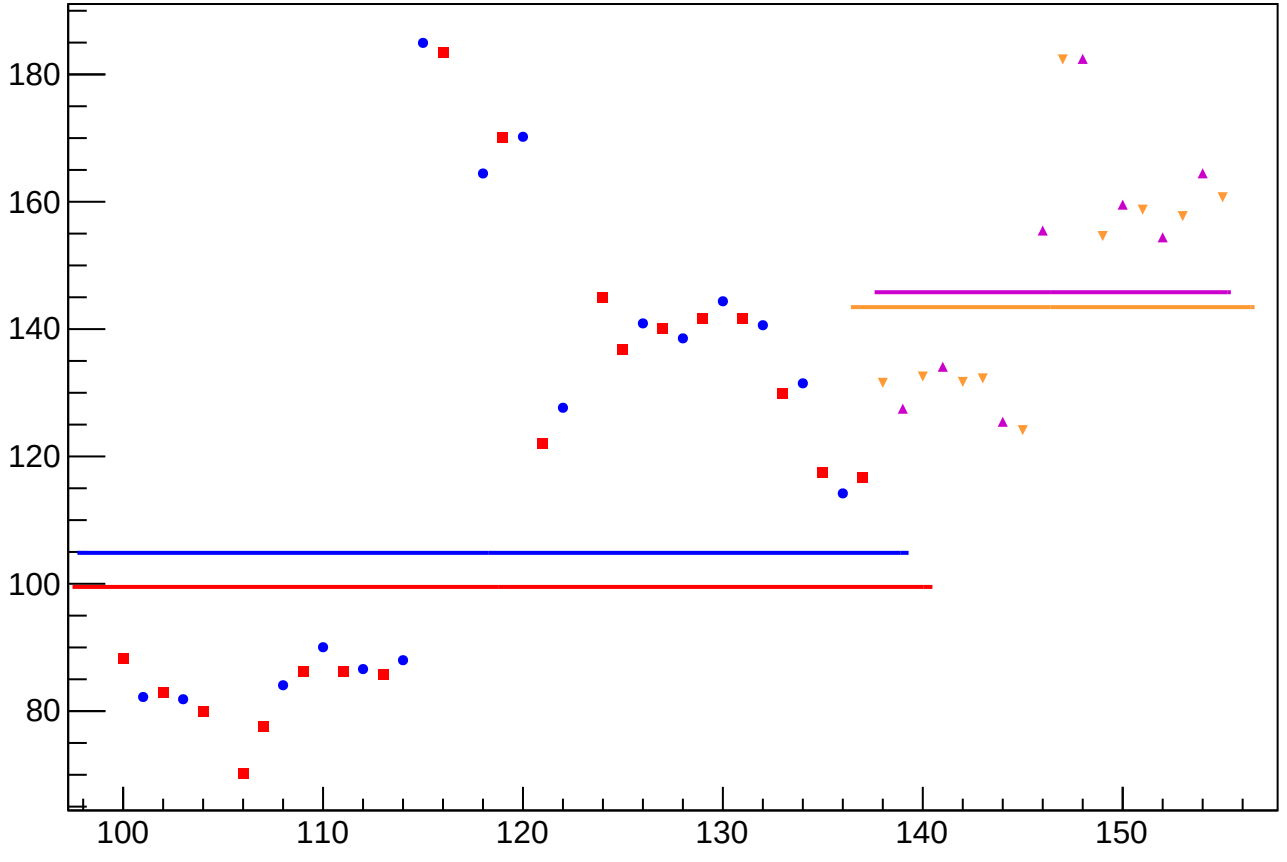
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 65.904+/-32.640 χ^2/NDF:33.1/23

Out: 99.766+/-30.546 χ^2/NDF:30.2/28

All: 83.956+/-22.303 χ^2/NDF: 63.9/52

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 143.455+/-0.036 χ^2/NDF:214096.2/9

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 145.793+/-0.039 χ^2/NDF:211601.3/7

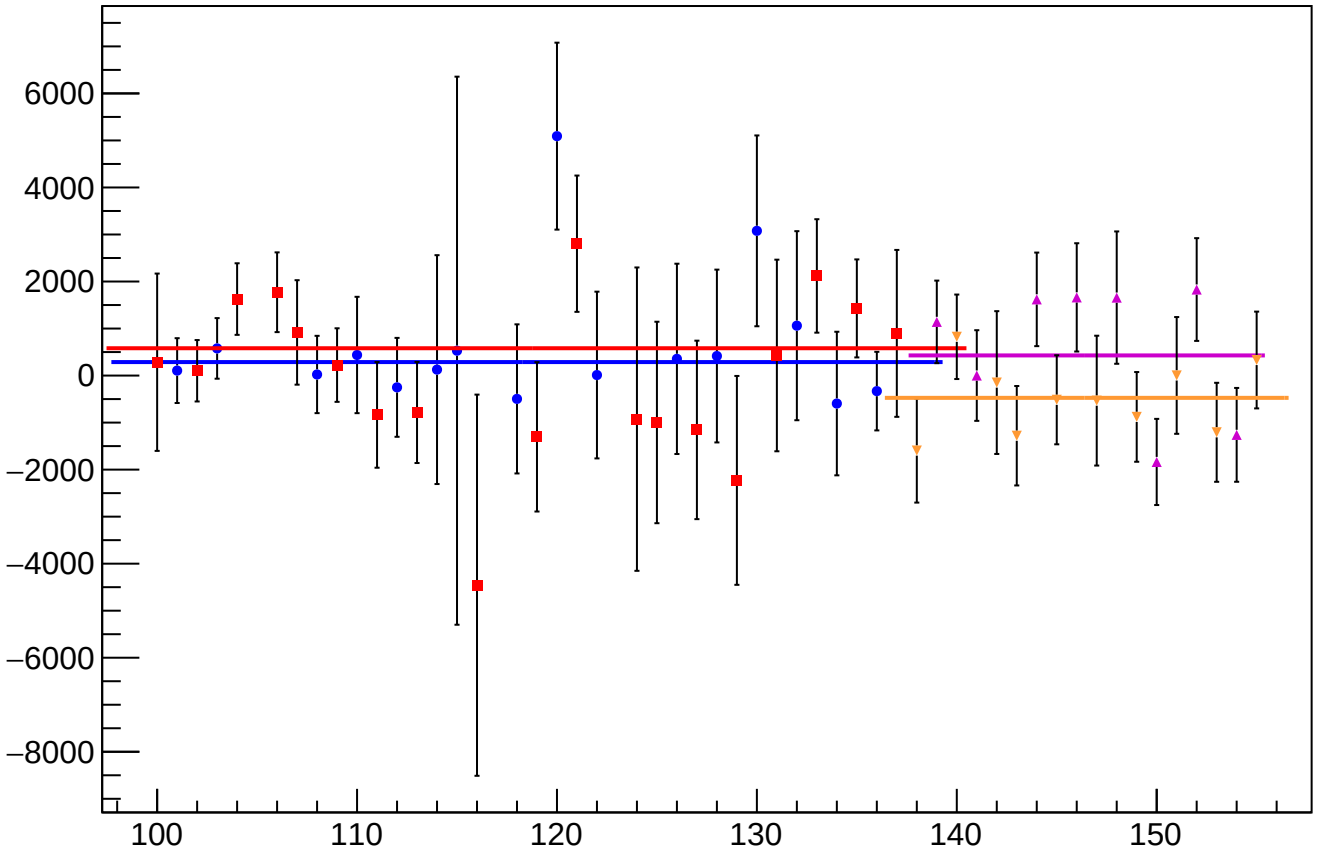
Left: 144.538+/-0.027 χ^2/NDF: 427601.1/17

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 119.012+/-0.023 χ^2/NDF:1854335.1/23

Out: 114.916+/-0.022 χ^2/NDF:2195702.8/28

All: 116.829+/-0.016 χ^2/NDF: 4066824.9/52



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -473.831+/-340.633 χ^2/NDF:5.2/9

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 428.527+/-360.884 χ^2/NDF:14.8/7

Left: -48.679+/-247.714 χ^2/NDF: 23.3/17

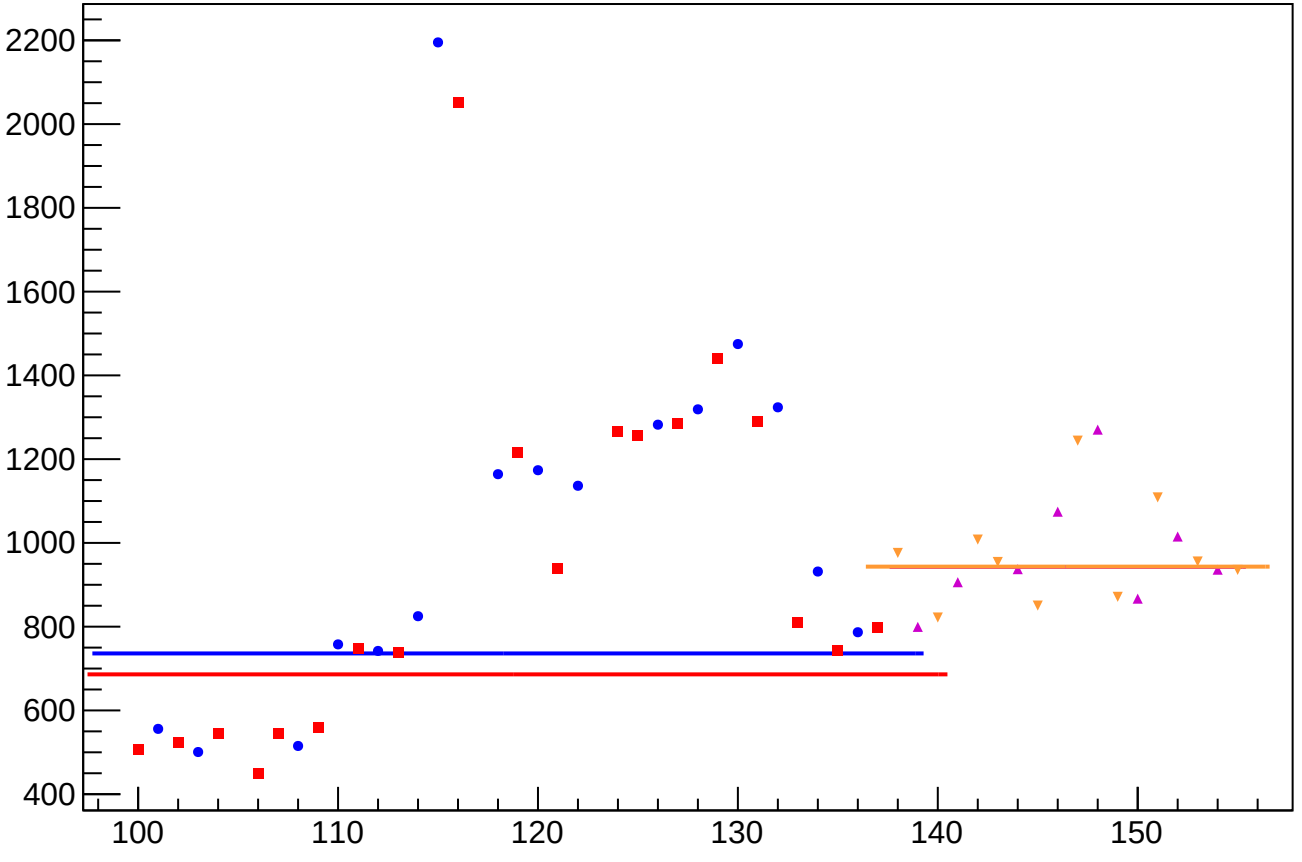
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 343.286+/-227.690 χ^2/NDF:24.6/23

Out: 174.538+/-211.484 χ^2/NDF:29.8/28

All: 252.693+/-154.954 χ^2/NDF: 54.7/52

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 943.322+/-0.241 χ^2/NDF:203672.9/9

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 942.470+/-0.255 χ^2/NDF:213490.1/7

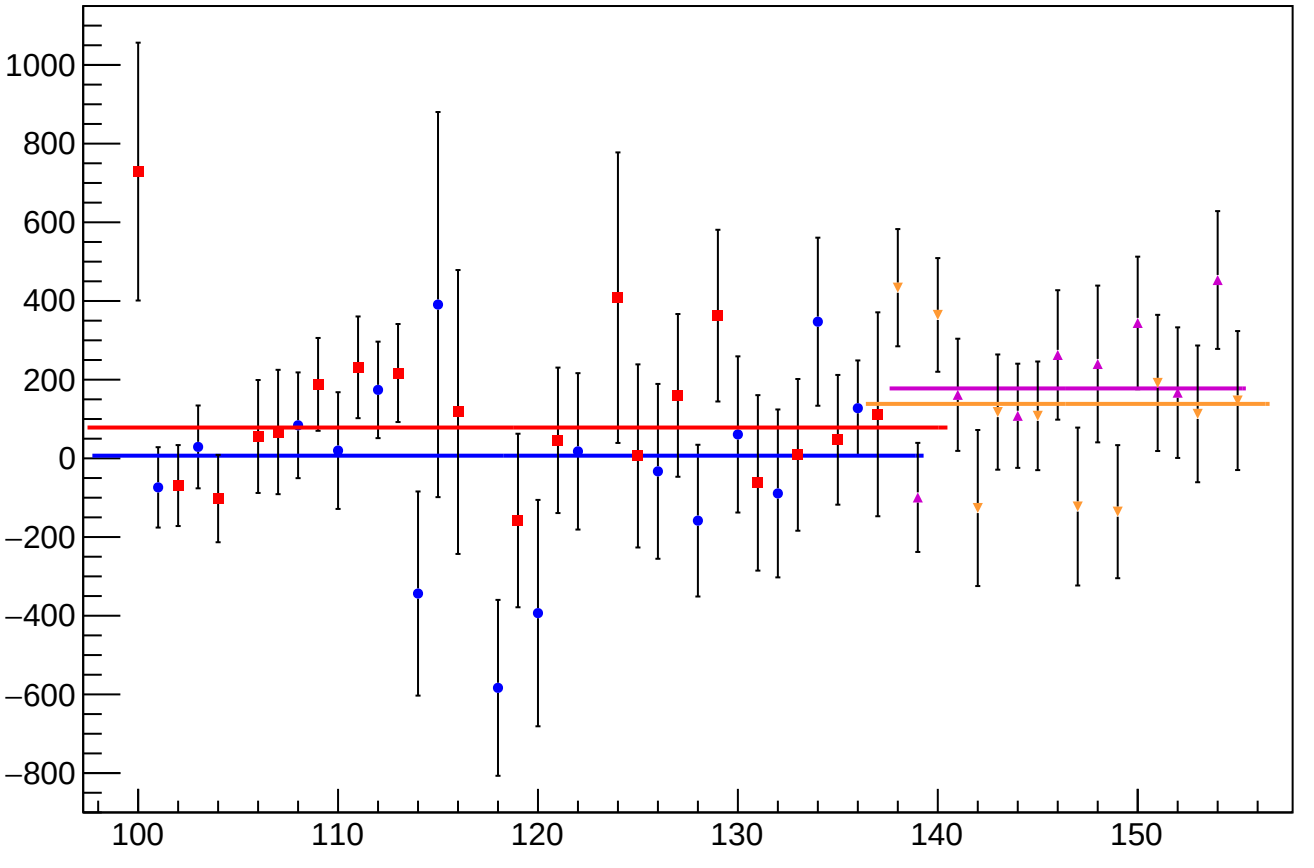
Left: 942.920+/-0.175 χ^2/NDF: 417168.9/17

Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 818.239+/-0.161 χ^2/NDF:2451722.2/23

Out: 785.254+/-0.150 χ^2/NDF:2723648.7/28

All: 800.531+/-0.110 χ^2/NDF: 5197904.3/52



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 138.447+/-51.587 χ^2/NDF:12.7/9

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 177.729+/-55.511 χ^2/NDF:8.1/7

Left: 156.650+/-37.788 χ^2/NDF: 21.0/17

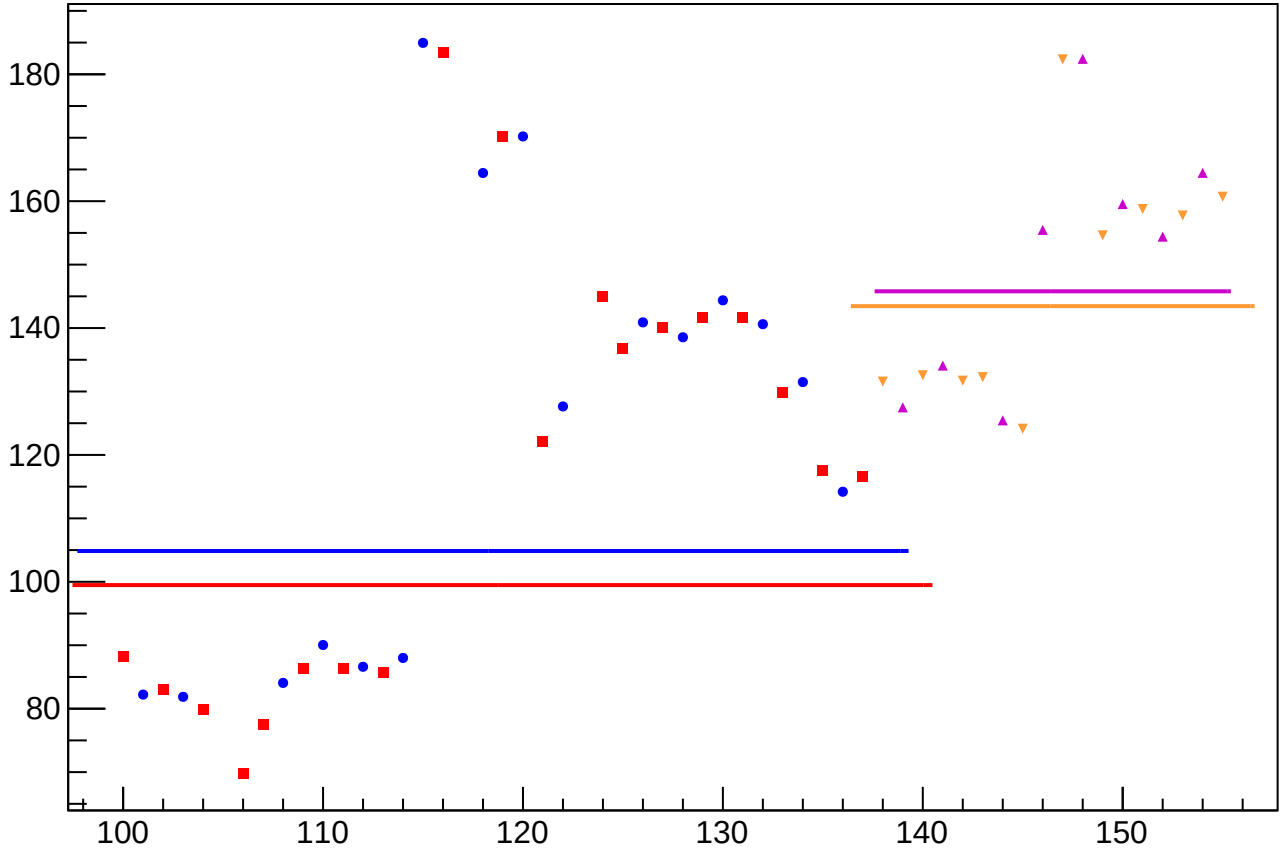
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 65.896+/-32.640 χ^2/NDF:33.1/23

Out: 99.421+/-30.548 χ^2/NDF:30.2/28

All: 83.768+/-22.303 χ^2/NDF: 63.9/52

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 143.455+/-0.036 χ^2/NDF:214096.2/9

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 145.793+/-0.039 χ^2/NDF:211601.3/7

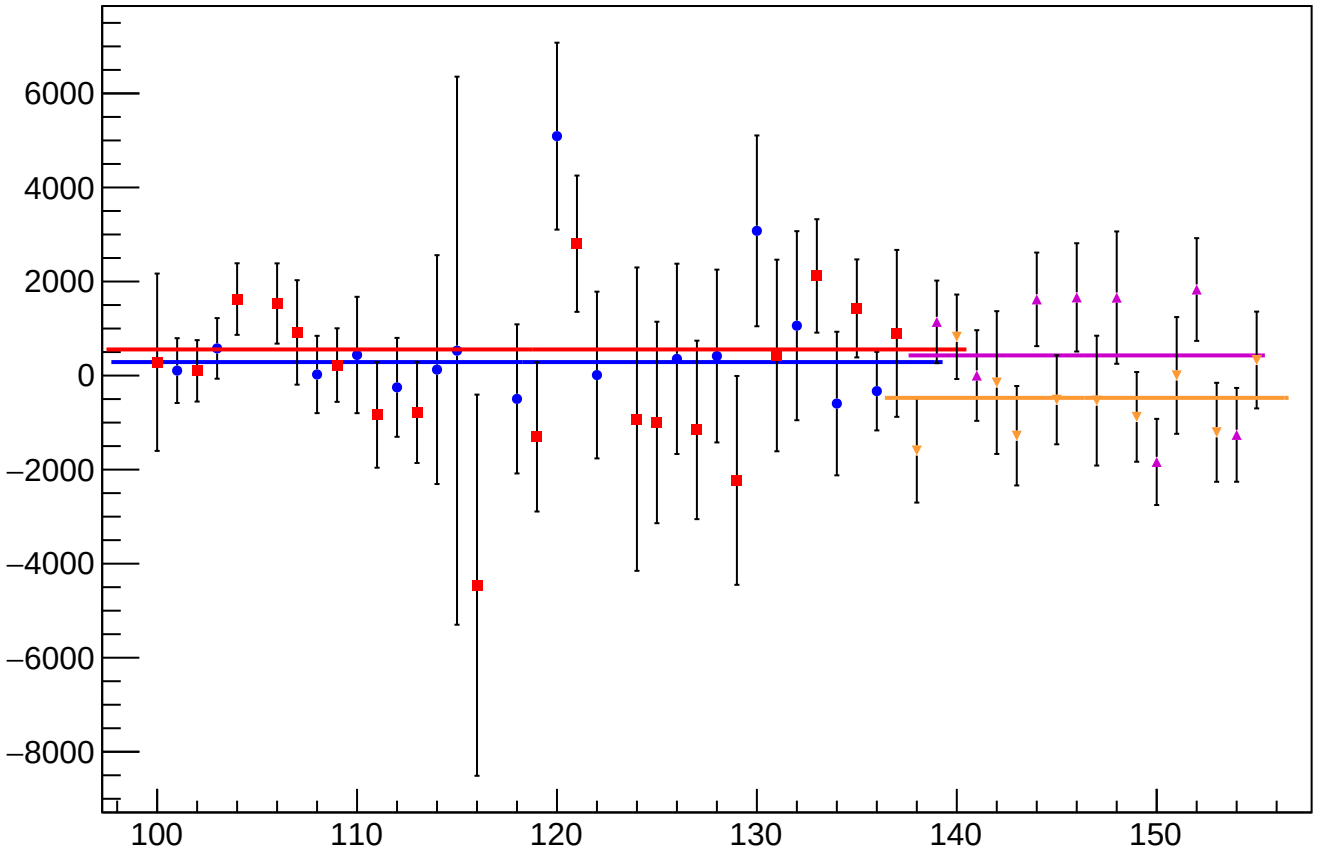
Left: 144.538+/-0.027 χ^2/NDF: 427601.2/17

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 119.012+/-0.023 χ^2/NDF:1854333.8/23

Out: 114.902+/-0.022 χ^2/NDF:2198867.7/28

All: 116.821+/-0.016 χ^2/NDF: 4070103.6/52



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -473.826+/-340.633 χ^2/NDF:5.2/9

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 428.520+/-360.884 χ^2/NDF:14.8/7

Left: -48.680+/-247.714 χ^2/NDF: 23.3/17

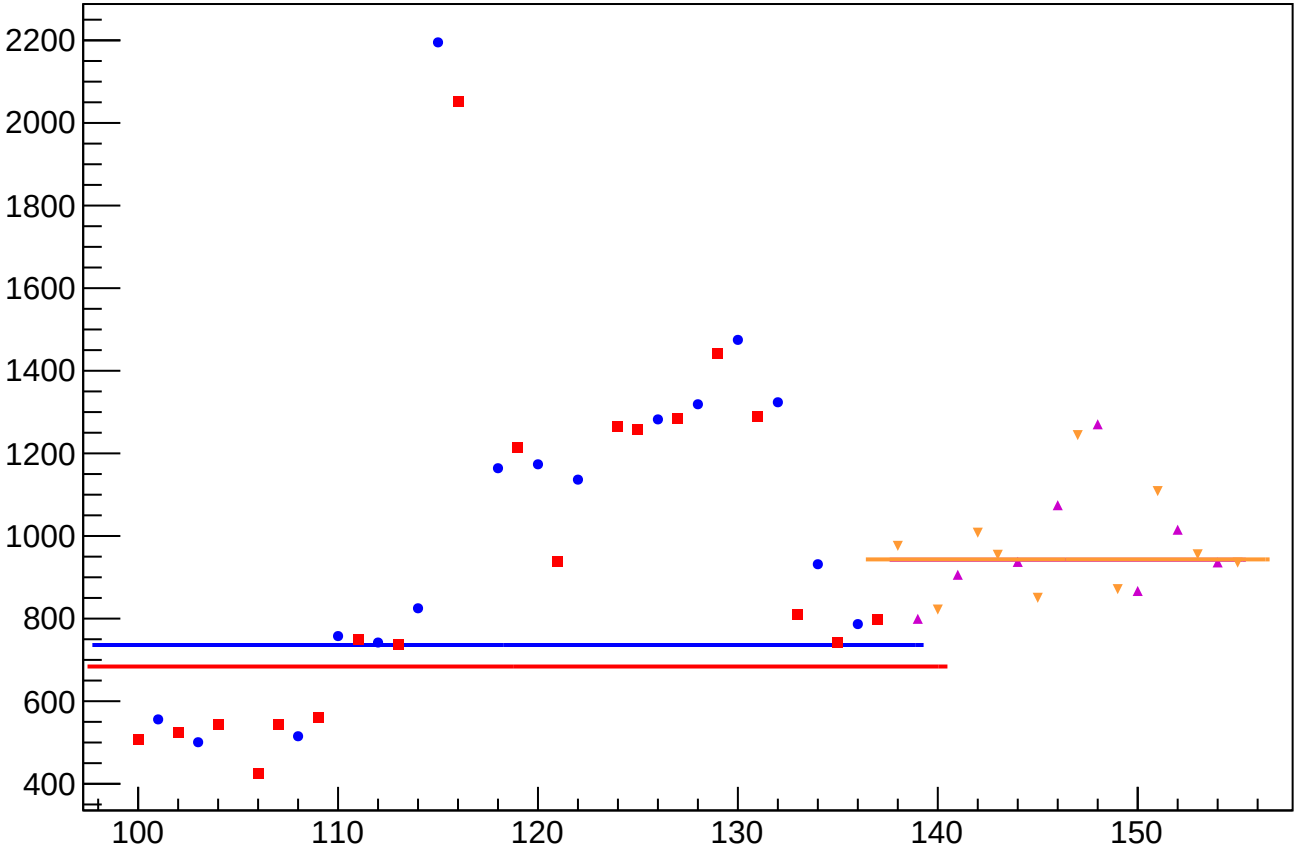
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 343.284+/-227.690 χ^2/NDF:24.6/23

Out: 158.374+/-211.569 χ^2/NDF:28.8/28

All: 244.052+/-154.988 χ^2/NDF: 53.8/52

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 943.322+/-0.241 χ^2/NDF:203672.4/9

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 942.470+/-0.255 χ^2/NDF:213490.2/7

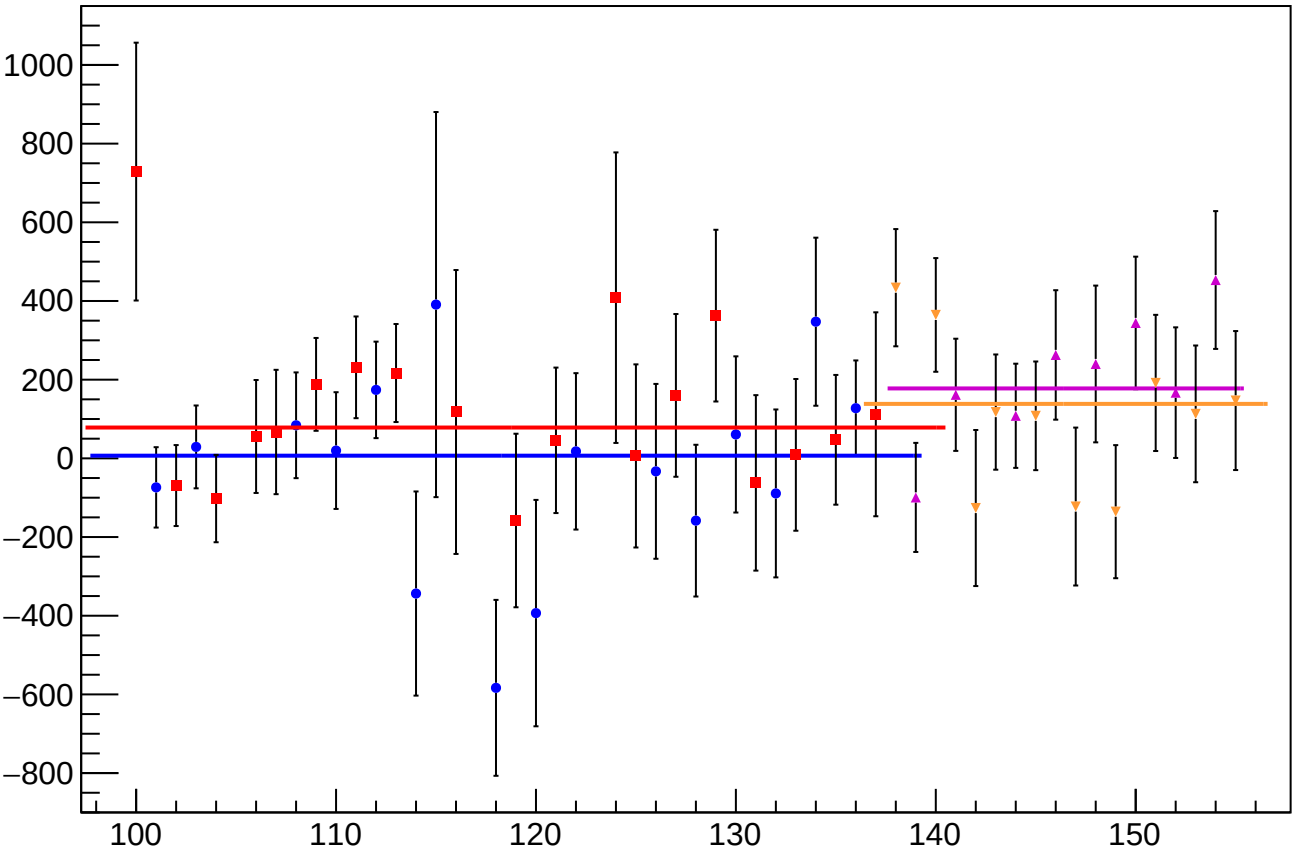
Left: 942.921+/-0.175 χ^2/NDF: 417168.5/17

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 818.238+/-0.161 χ^2/NDF:2451727.3/23

Out: 784.028+/-0.150 χ^2/NDF:2766154.2/28

All: 799.879+/-0.110 χ^2/NDF: 5242111.8/52



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 138.447+/-51.587 χ^2/NDF:12.7/9

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 177.729+/-55.511 χ^2/NDF:8.1/7

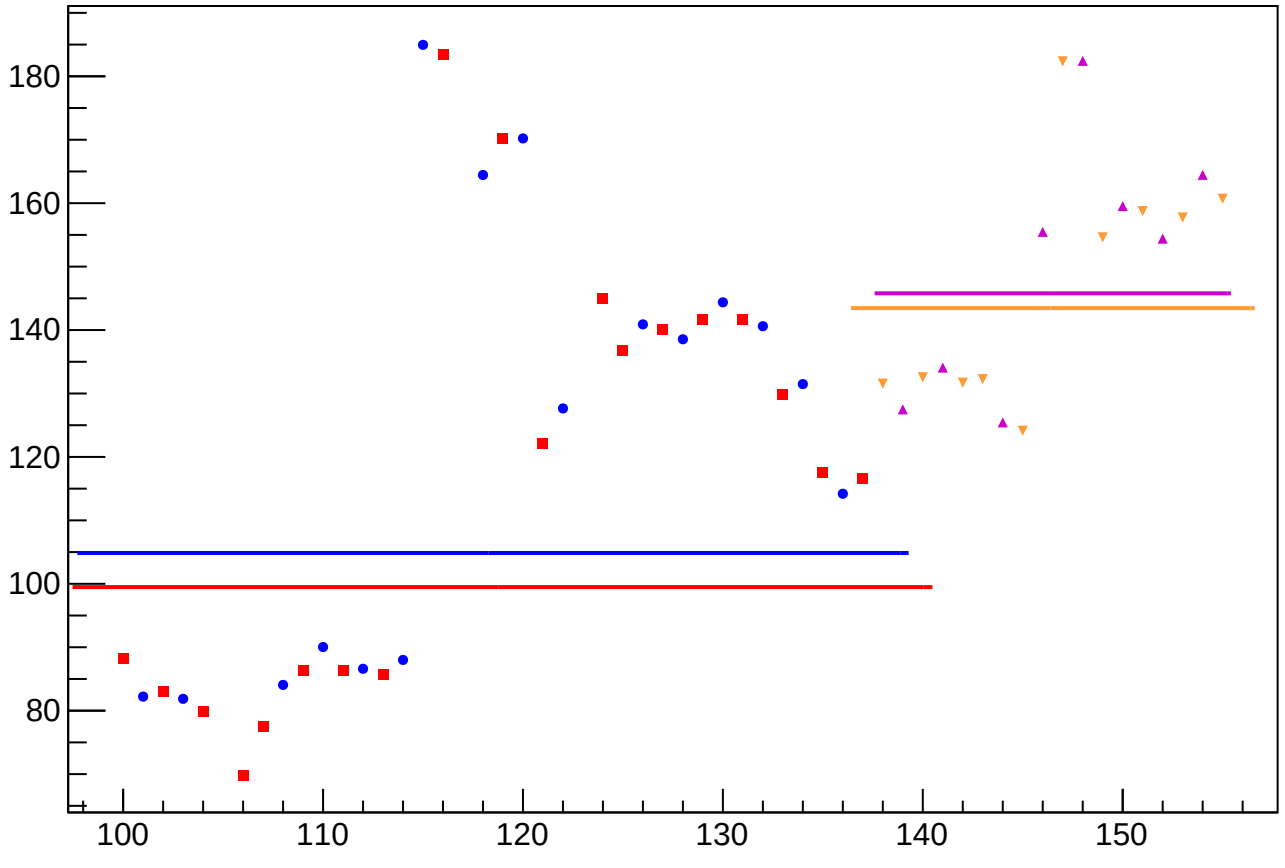
Left: 156.650+/-37.788 χ^2/NDF: 21.0/17

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 65.896+/-32.640 χ^2/NDF:33.1/23

Out: 99.421+/-30.548 χ^2/NDF:30.2/28

All: 83.768+/-22.303 χ^2/NDF: 63.9/52



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 143.455+/-0.036 χ^2/NDF:214096.2/9

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 145.793+/-0.039 χ^2/NDF:211601.3/7

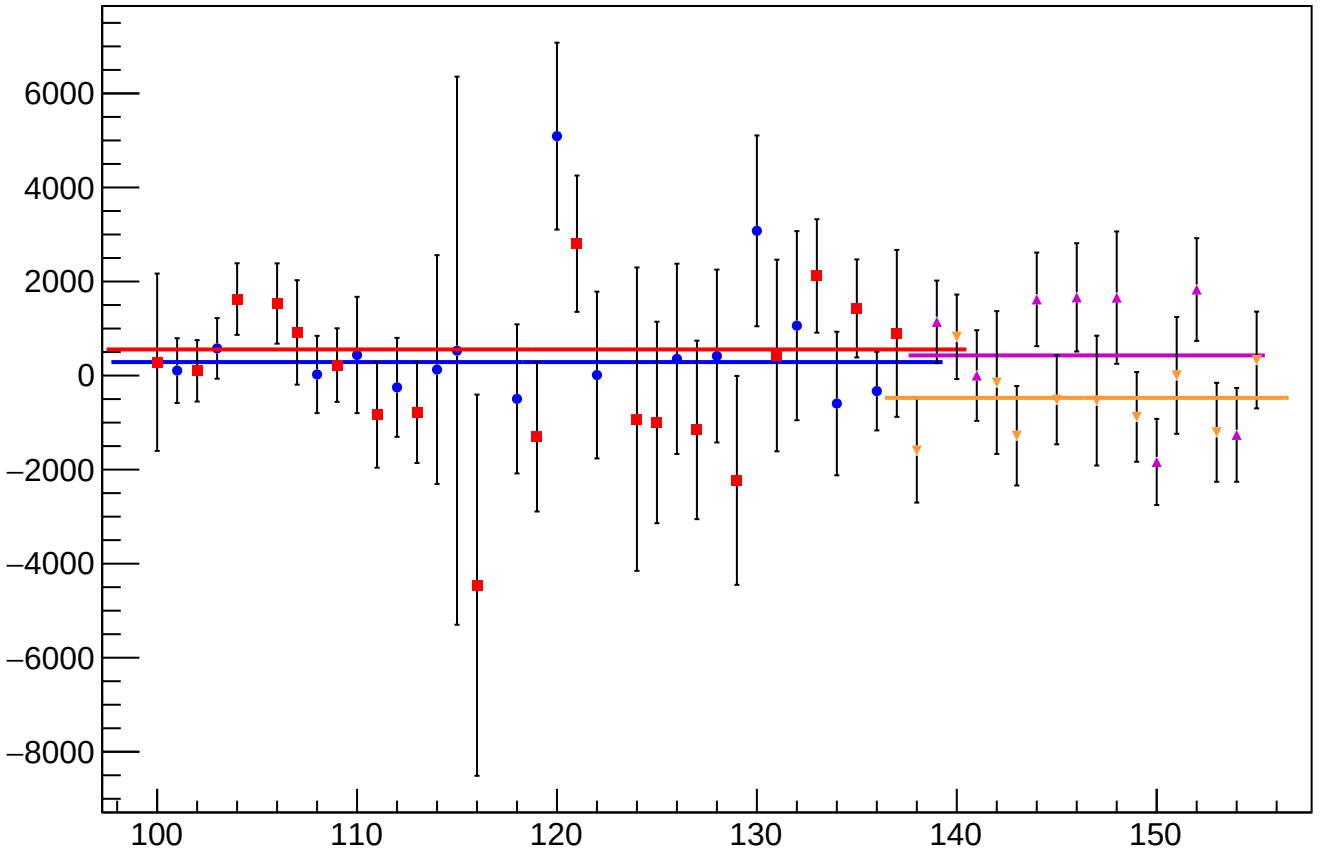
Left: 144.538+/-0.027 χ^2/NDF: 427601.2/17

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 119.012+/-0.023 χ^2/NDF:1854333.8/23

Out: 114.902+/-0.022 χ^2/NDF:2198867.7/28

All: 116.821+/-0.016 χ^2/NDF: 4070103.6/52



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -473.826+/-340.633 χ^2/NDF:5.2/9

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 428.520+/-360.884 χ^2/NDF:14.8/7

Left: -48.680+/-247.714 χ^2/NDF: 23.3/17

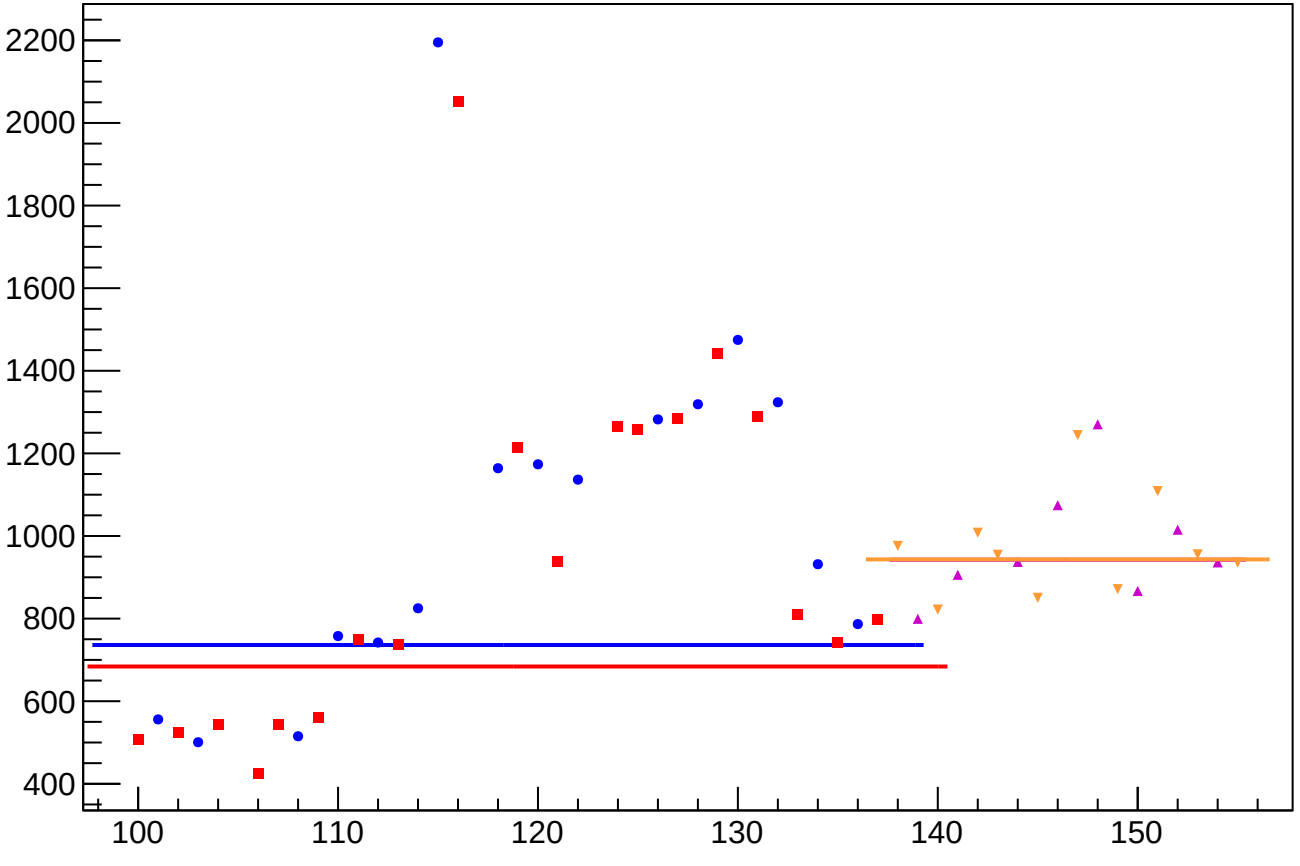
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 343.284+/-227.690 χ^2/NDF:24.6/23

Out: 158.374+/-211.569 χ^2/NDF:28.8/28

All: 244.052+/-154.988 χ^2/NDF: 53.8/52

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 943.322+/-0.241 χ^2/NDF:203672.4/9

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 942.470+/-0.255 χ^2/NDF:213490.2/7

Left: 942.921+/-0.175 χ^2/NDF: 417168.5/17

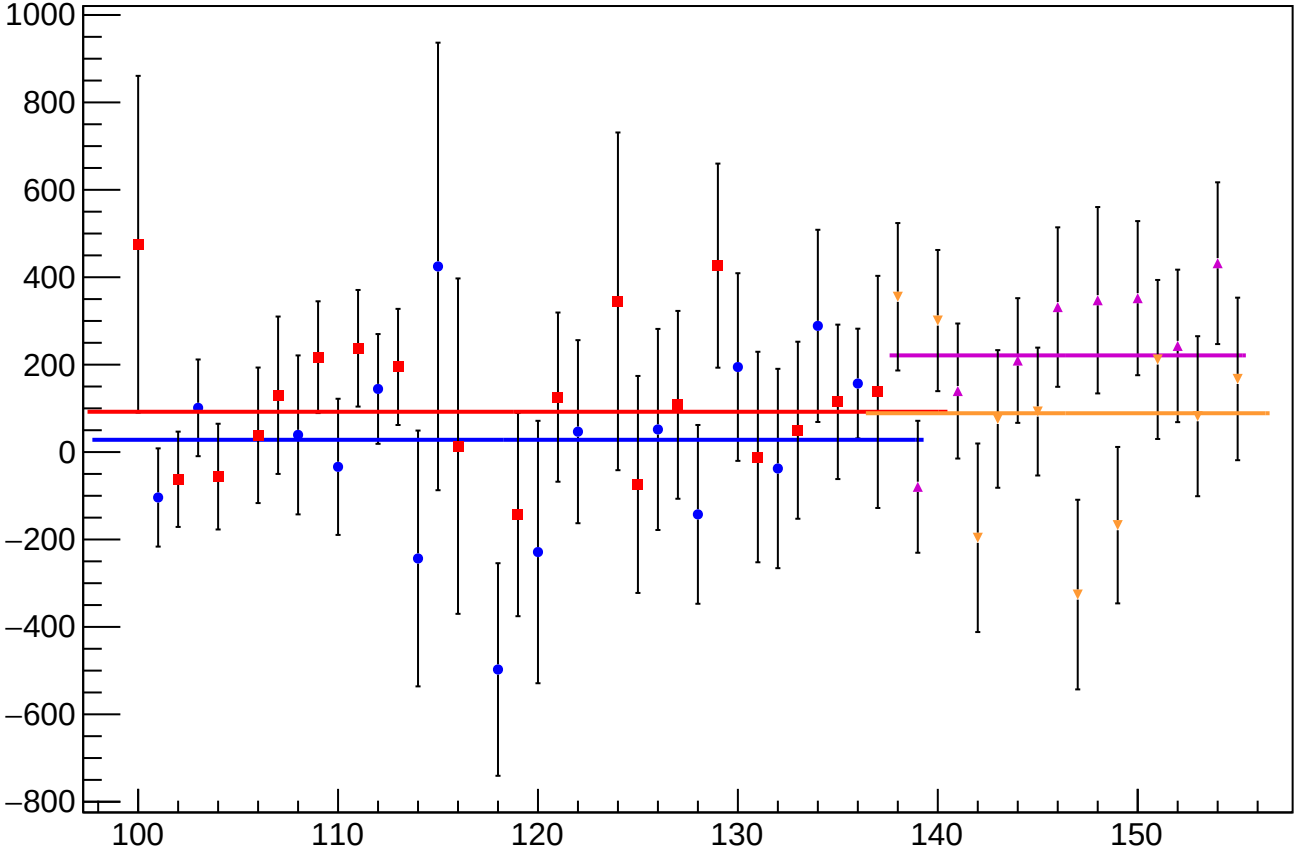
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 818.238+/-0.161 χ^2/NDF:2451727.3/23

Out: 784.028+/-0.150 χ^2/NDF:2766154.2/28

All: 799.879+/-0.110 χ^2/NDF: 5242111.8/52

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 88.847+/-55.596 χ^2/NDF:12.3/9

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 221.195+/-59.629 χ^2/NDF:6.8/7

Left: 150.394+/-40.663 χ^2/NDF: 21.8/17

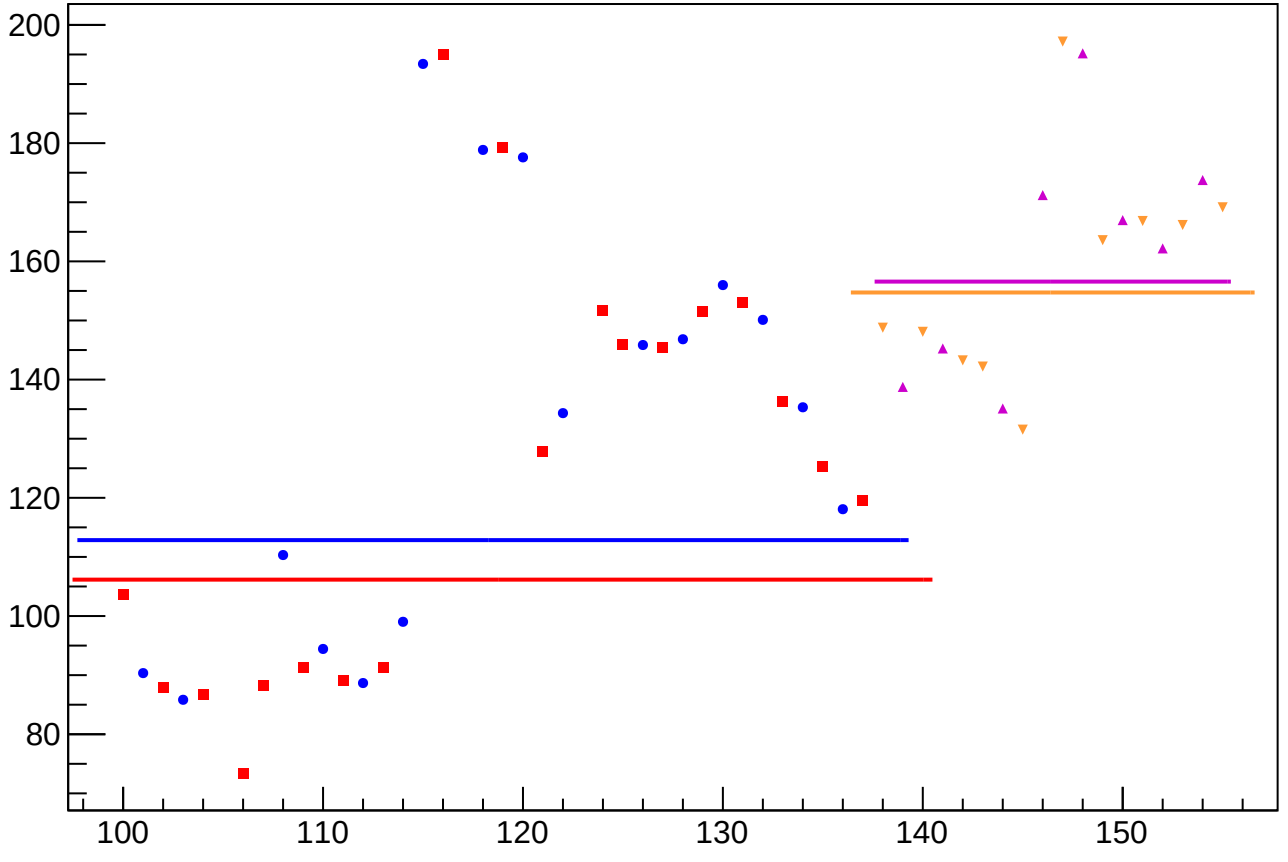
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 95.042+/-35.110 χ^2/NDF:27.2/23

Out: 91.067+/-32.756 χ^2/NDF:24.0/28

All: 92.917+/-23.951 χ^2/NDF: 51.3/52

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 154.735+/-0.039 χ^2/NDF:184647.6/9

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 156.577+/-0.042 χ^2/NDF:188644.2/7

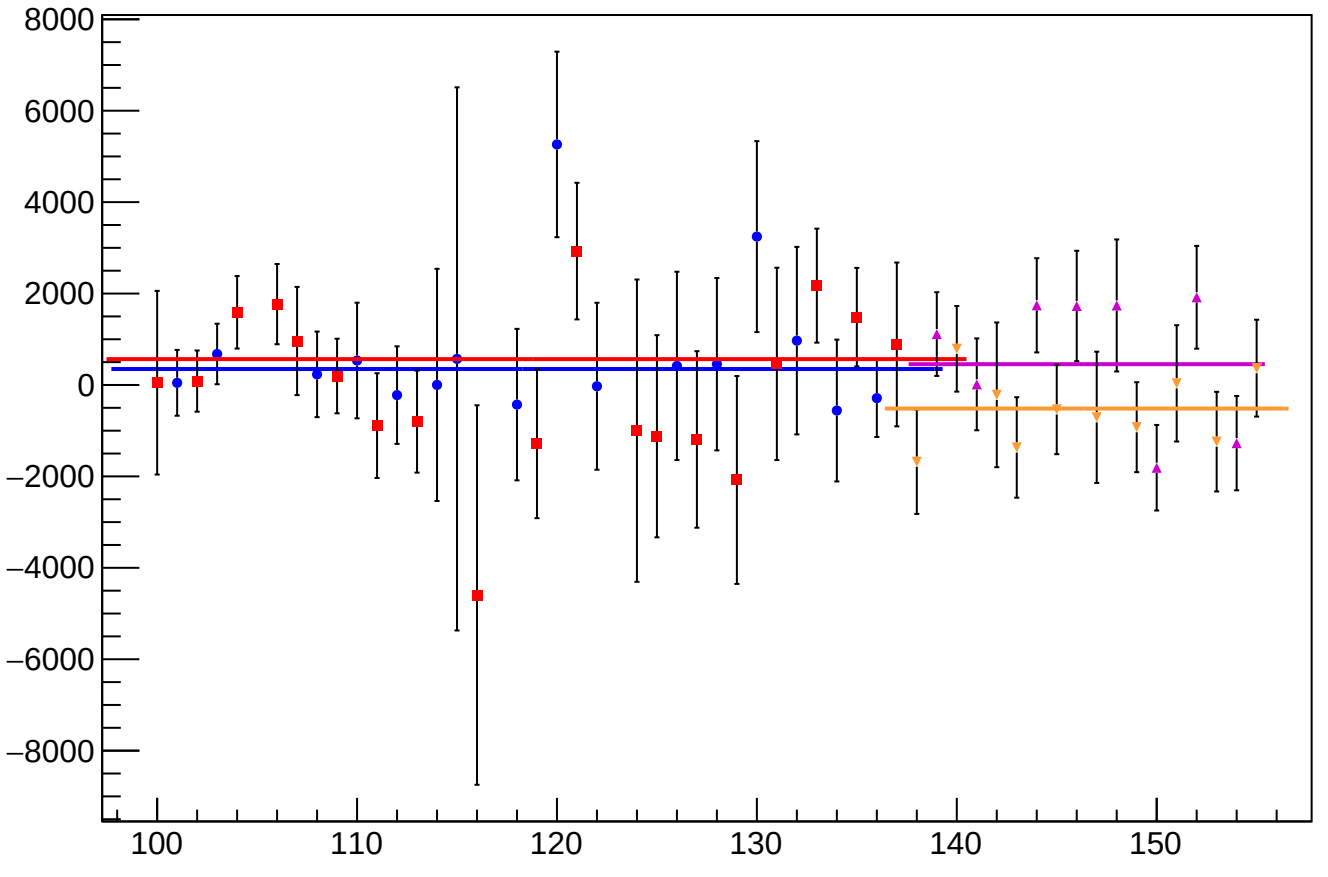
Left: 155.592+/-0.029 χ^2/NDF: 374312.4/17

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 128.005+/-0.025 χ^2/NDF:1763740.3/23

Out: 123.021+/-0.023 χ^2/NDF:2183654.4/28

All: 125.340+/-0.017 χ^2/NDF: 3968945.6/52



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -516.288+/-352.583 χ^2/NDF:5.1/9

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 454.868+/-373.750 χ^2/NDF:14.5/7

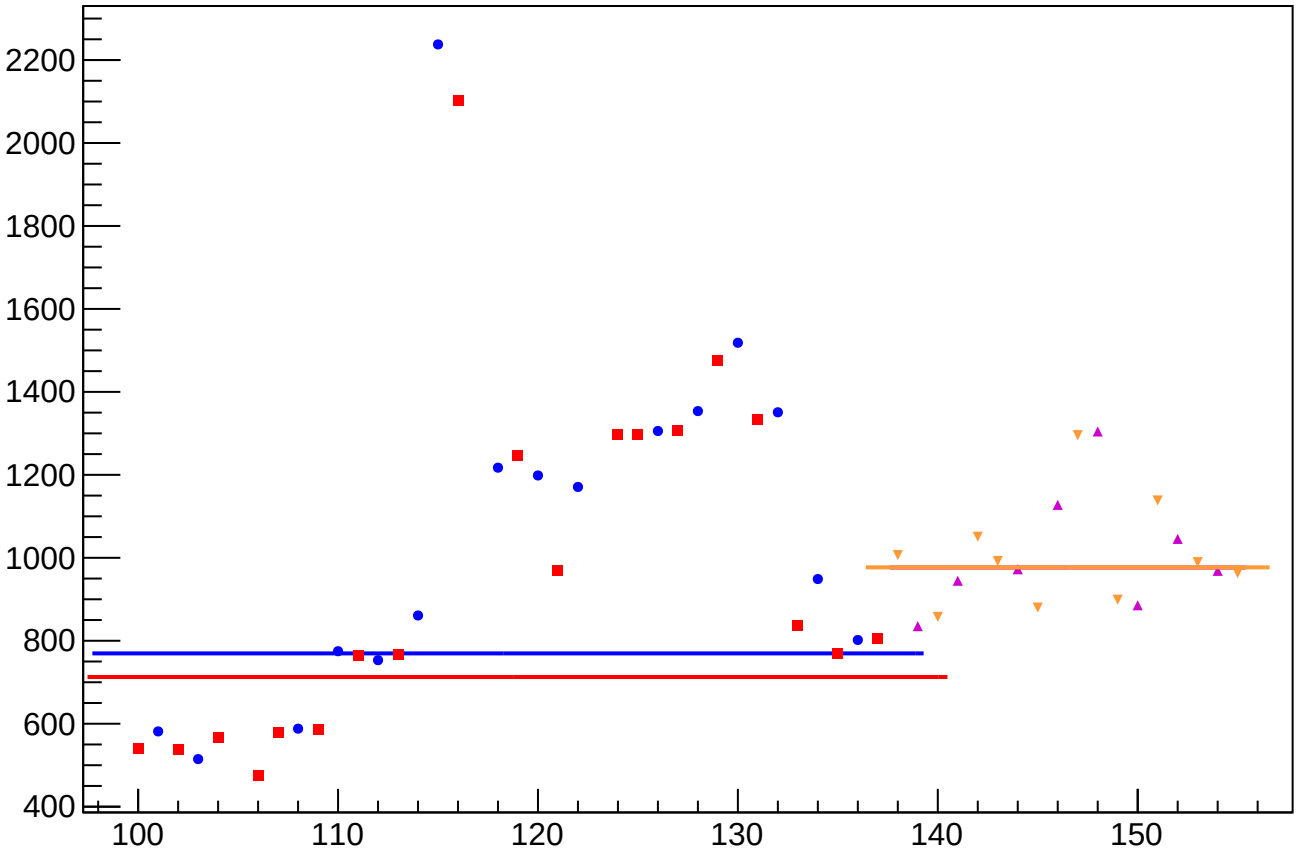
Left: -58.987+/-256.470 χ^2/NDF: 23.2/17

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 391.442+/-236.456 χ^2/NDF:24.4/23

Out: 148.875+/-218.893 χ^2/NDF:29.2/28

All: 260.816+/-160.631 χ^2/NDF: 54.2/52



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 976.916+/-0.249 χ^2/NDF:202024.1/9

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 976.617+/-0.264 χ^2/NDF:210660.9/7

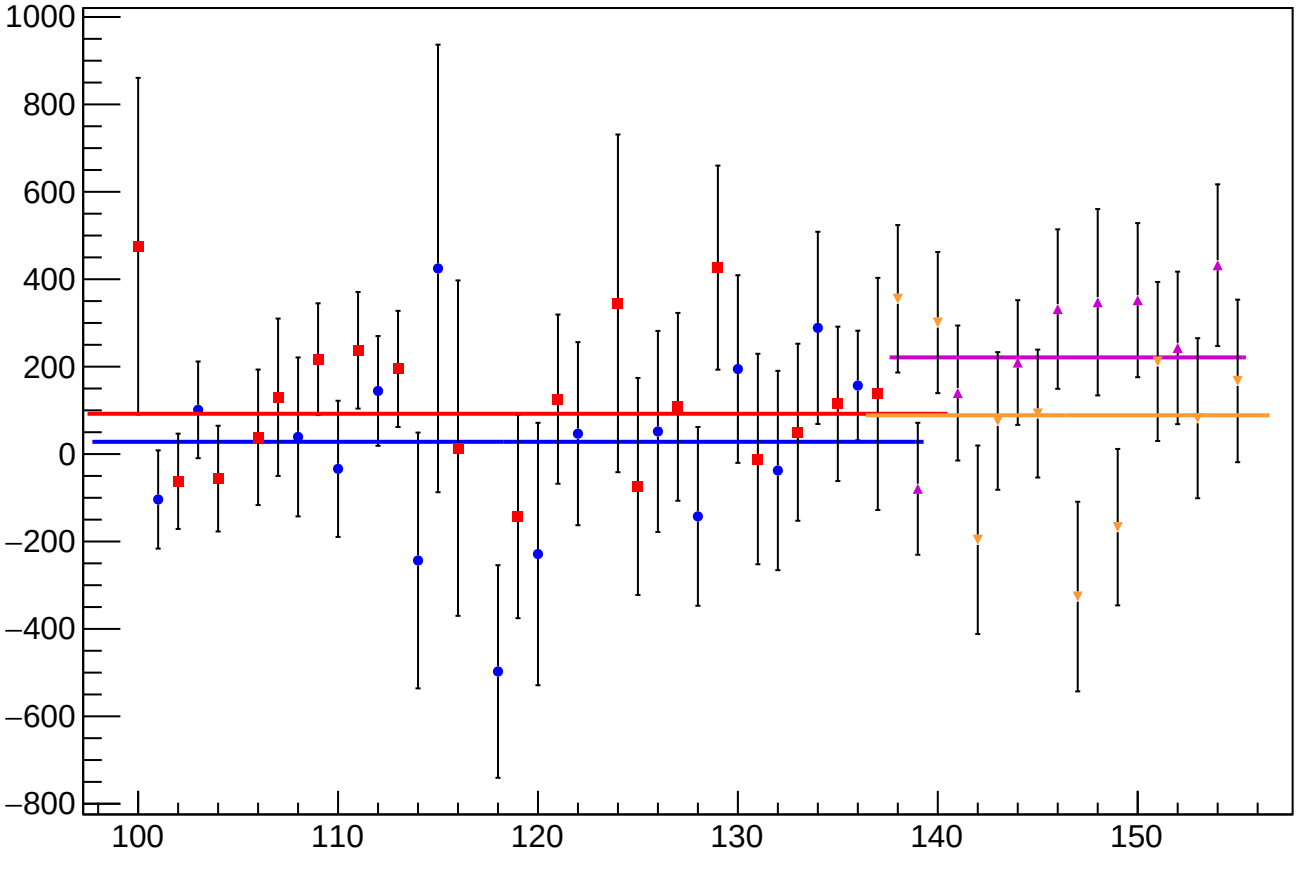
Left: 976.775+/-0.181 χ^2/NDF: 412685.7/17

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 852.434+/-0.167 χ^2/NDF:2318747.4/23

Out: 814.492+/-0.155 χ^2/NDF:2659864.7/28

All: 832.002+/-0.114 χ^2/NDF: 5006343.9/52



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 88.848+/-55.596 χ^2/NDF:12.3/9

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 221.196+/-59.629 χ^2/NDF:6.8/7

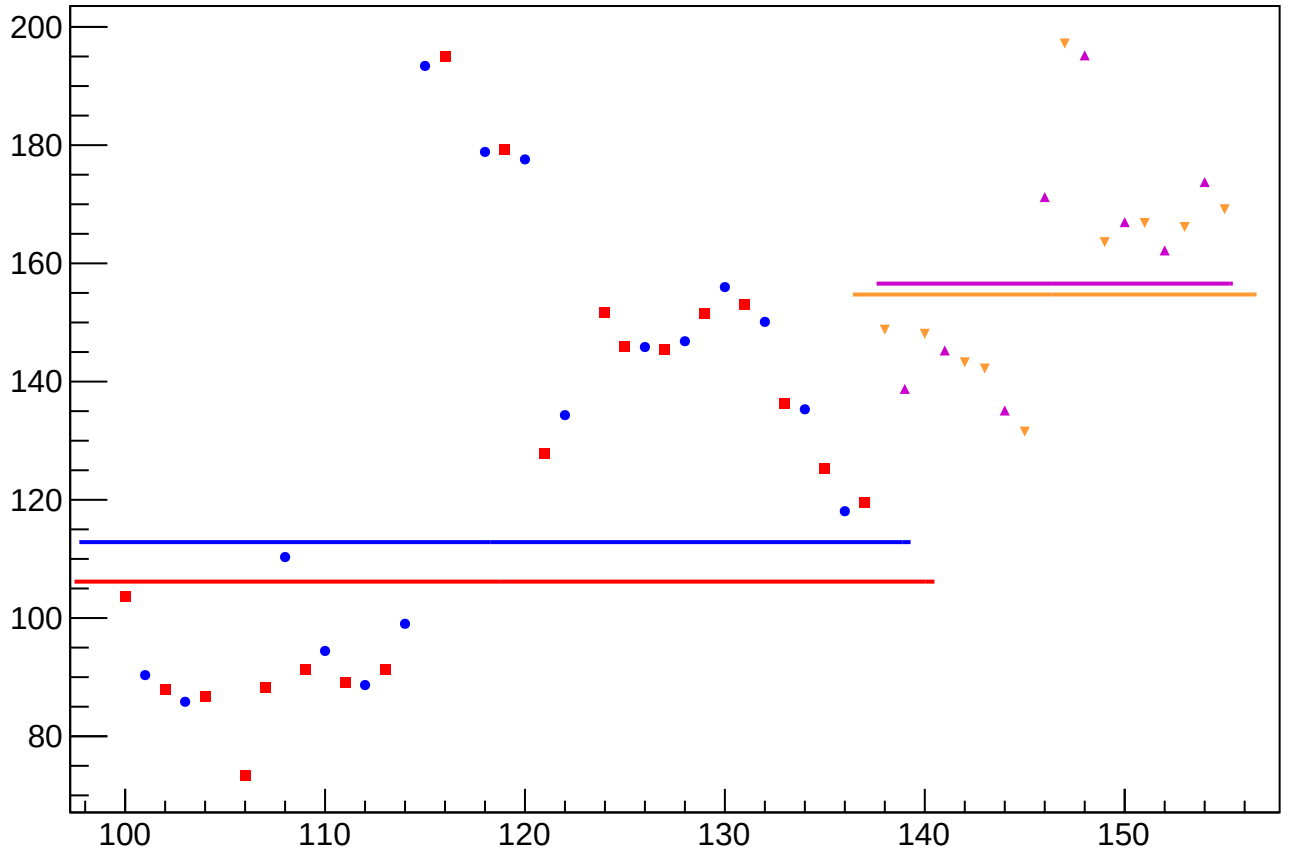
Left: 150.395+/-40.663 χ^2/NDF: 21.8/17

Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 95.041+/-35.110 χ^2/NDF:27.2/23

Out: 91.067+/-32.756 χ^2/NDF:24.0/28

All: 92.916+/-23.951 χ^2/NDF: 51.3/52



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 154.736+/-0.039 χ^2/NDF:184650.1/9

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 156.578+/-0.042 χ^2/NDF:188643.2/7

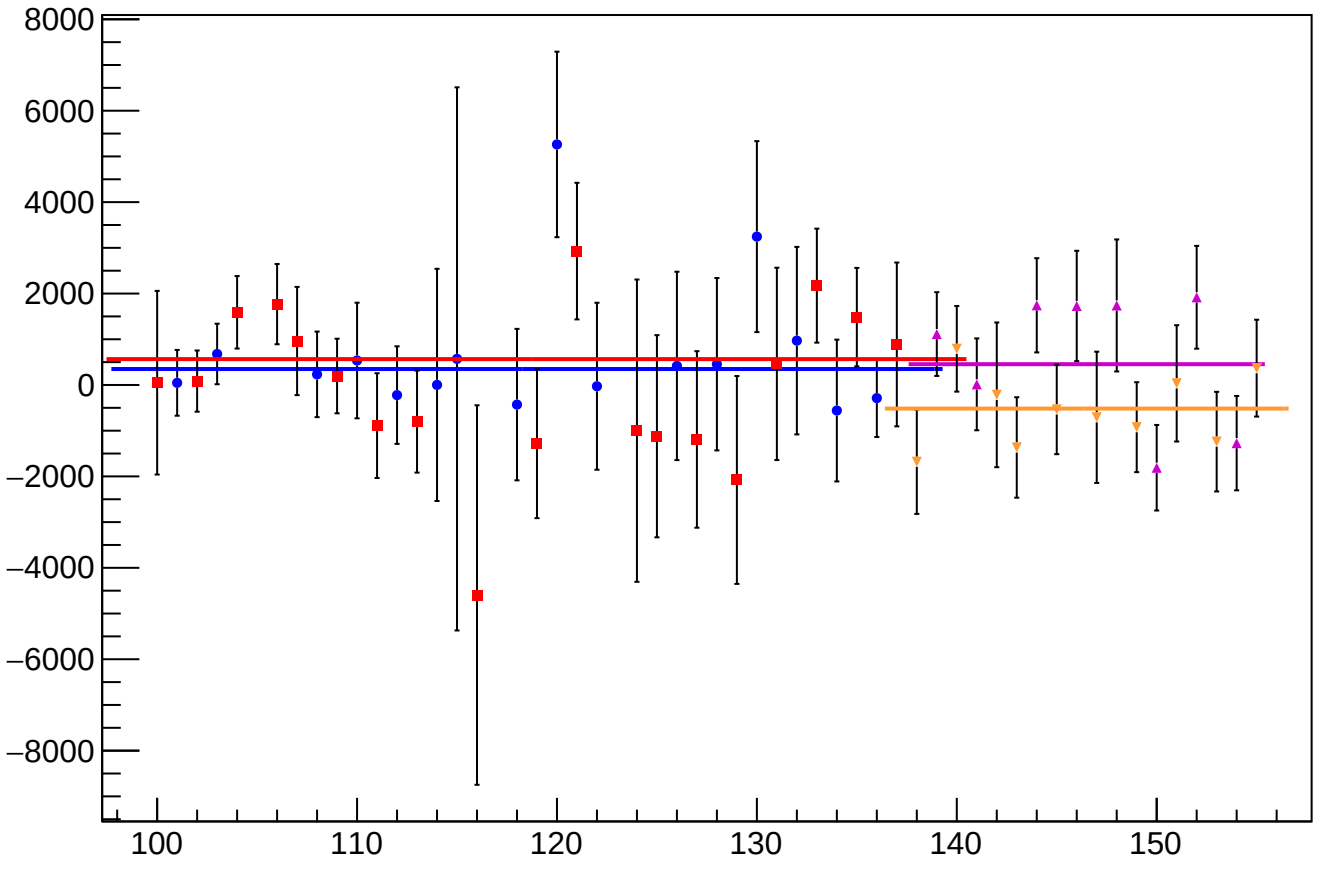
Left: 155.592+/-0.029 χ^2/NDF: 374314.1/17

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 128.005+/-0.025 χ^2/NDF:1763756.5/23

Out: 123.021+/-0.023 χ^2/NDF:2183665.4/28

All: 125.340+/-0.017 χ^2/NDF: 3968972.7/52



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -516.288+/-352.584 χ^2/NDF:5.1/9

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 454.870+/-373.750 χ^2/NDF:14.5/7

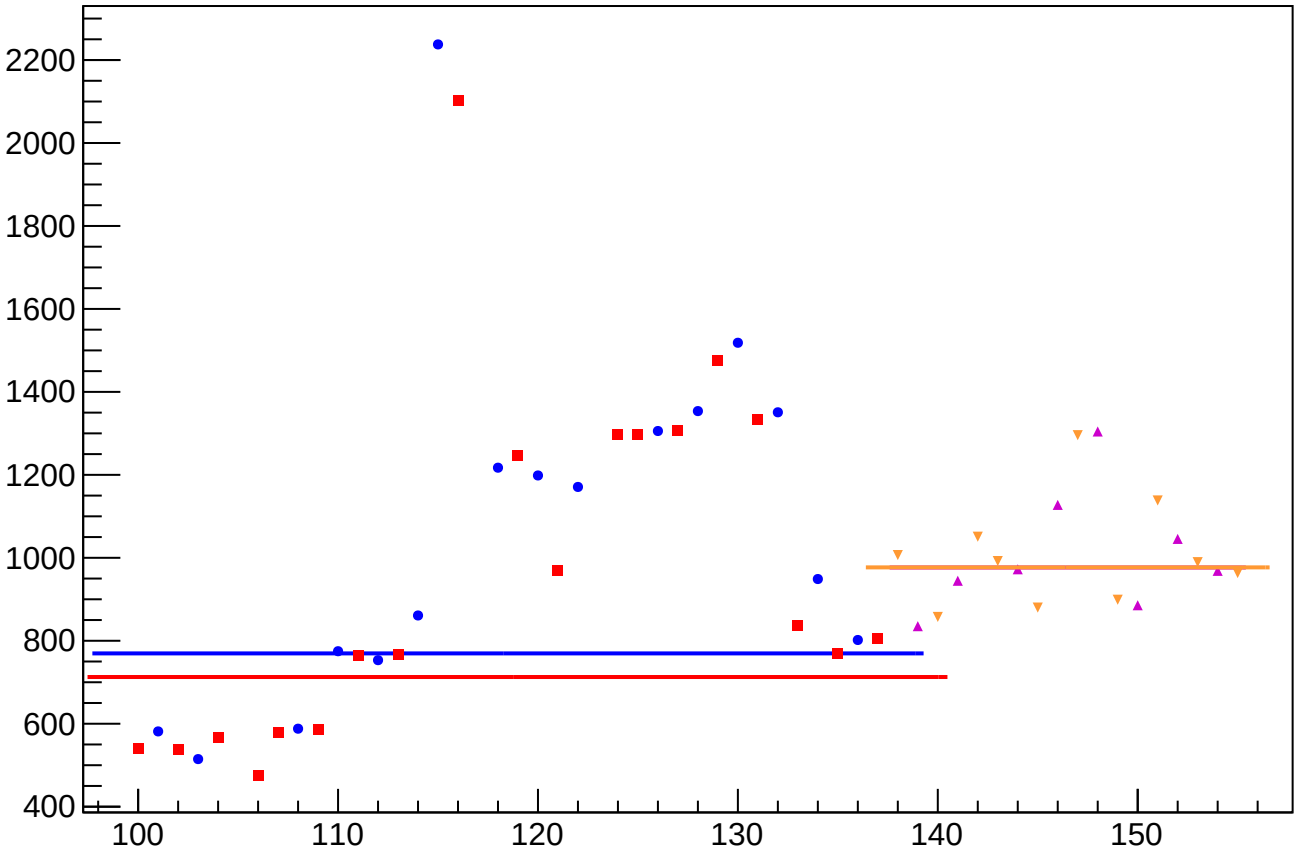
Left: -58.986+/-256.471 χ^2/NDF: 23.2/17

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 391.442+/-236.456 χ^2/NDF:24.4/23

Out: 148.877+/-218.893 χ^2/NDF:29.2/28

All: 260.817+/-160.631 χ^2/NDF: 54.2/52



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 976.918+/-0.249 χ^2/NDF:202023.8/9

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 976.619+/-0.264 χ^2/NDF:210660.5/7

Left: 976.777+/-0.181 χ^2/NDF: 412685.0/17

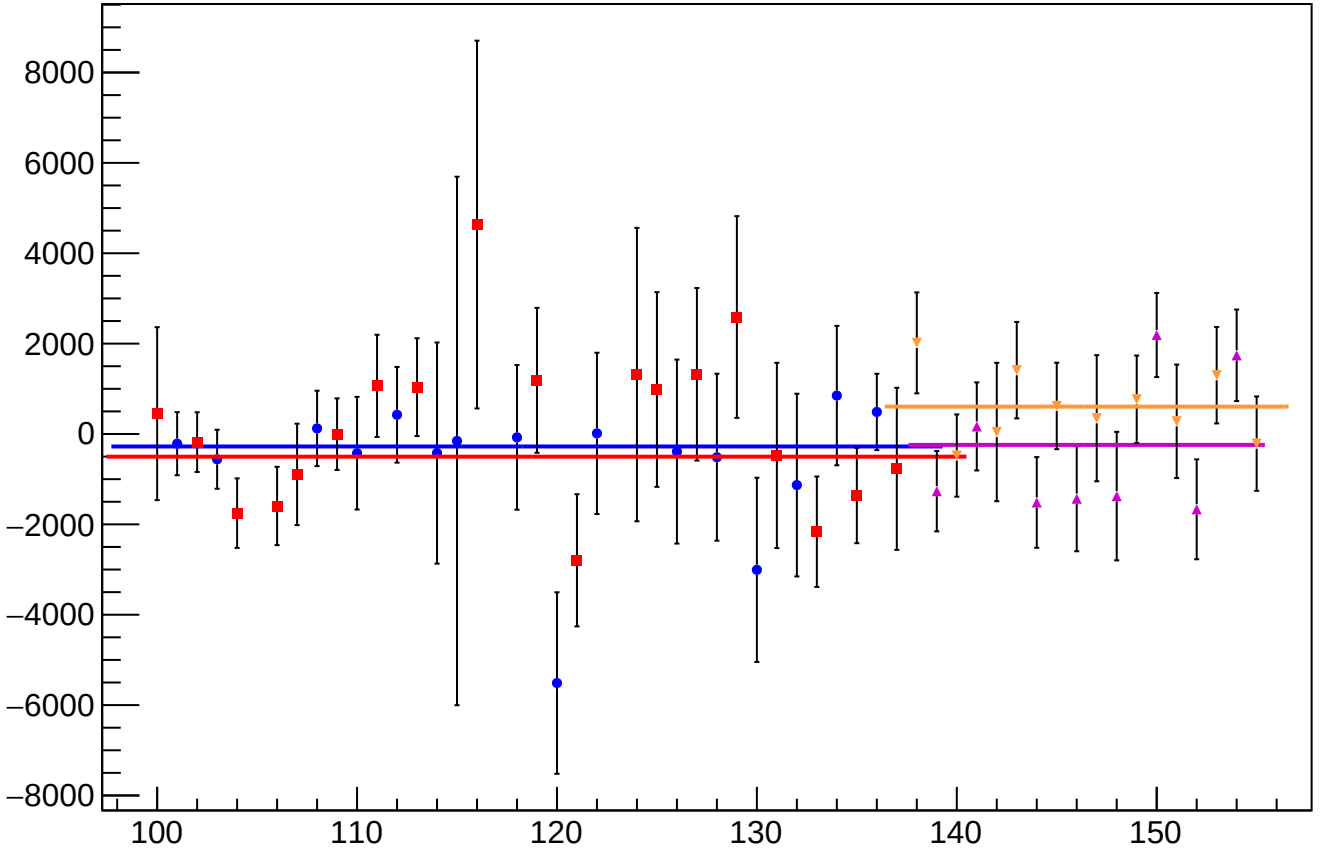
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 852.434+/-0.167 χ^2/NDF:2318755.5/23

Out: 814.491+/-0.155 χ^2/NDF:2659873.2/28

All: 832.001+/-0.114 χ^2/NDF: 5006360.8/52

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 606.031+/-344.767 χ^2/NDF:4.9/9

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -241.490+/-365.451 χ^2/NDF:17.1/7

Left: 206.933+/-250.781 χ^2/NDF: 24.8/17

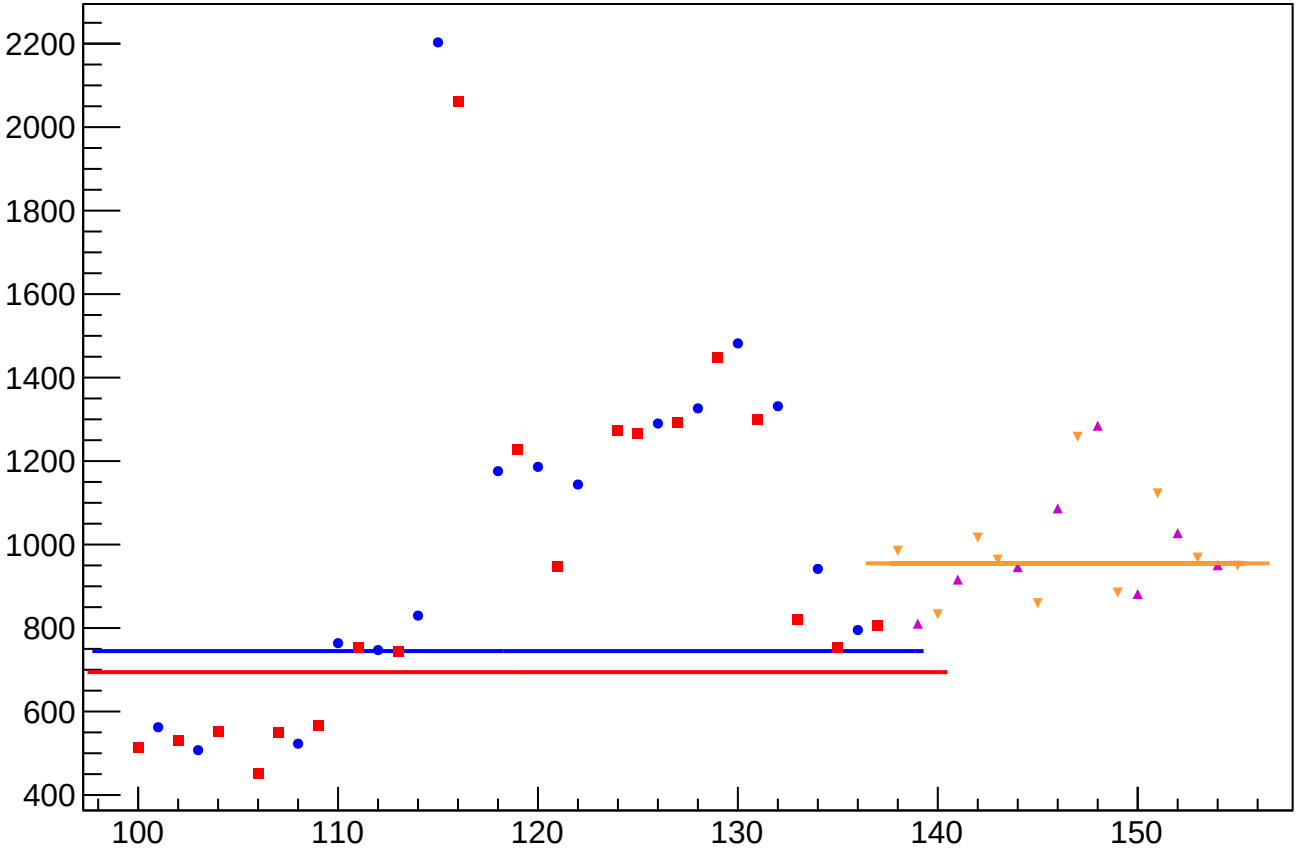
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -262.409+/-230.348 χ^2/NDF:28.2/23

Out: -75.001+/-214.022 χ^2/NDF:31.7/28

All: -161.829+/-156.791 χ^2/NDF: 60.2/52

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 955.006+/-0.244 χ^2/NDF:201581.0/9

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 954.705+/-0.258 χ^2/NDF:210375.0/7

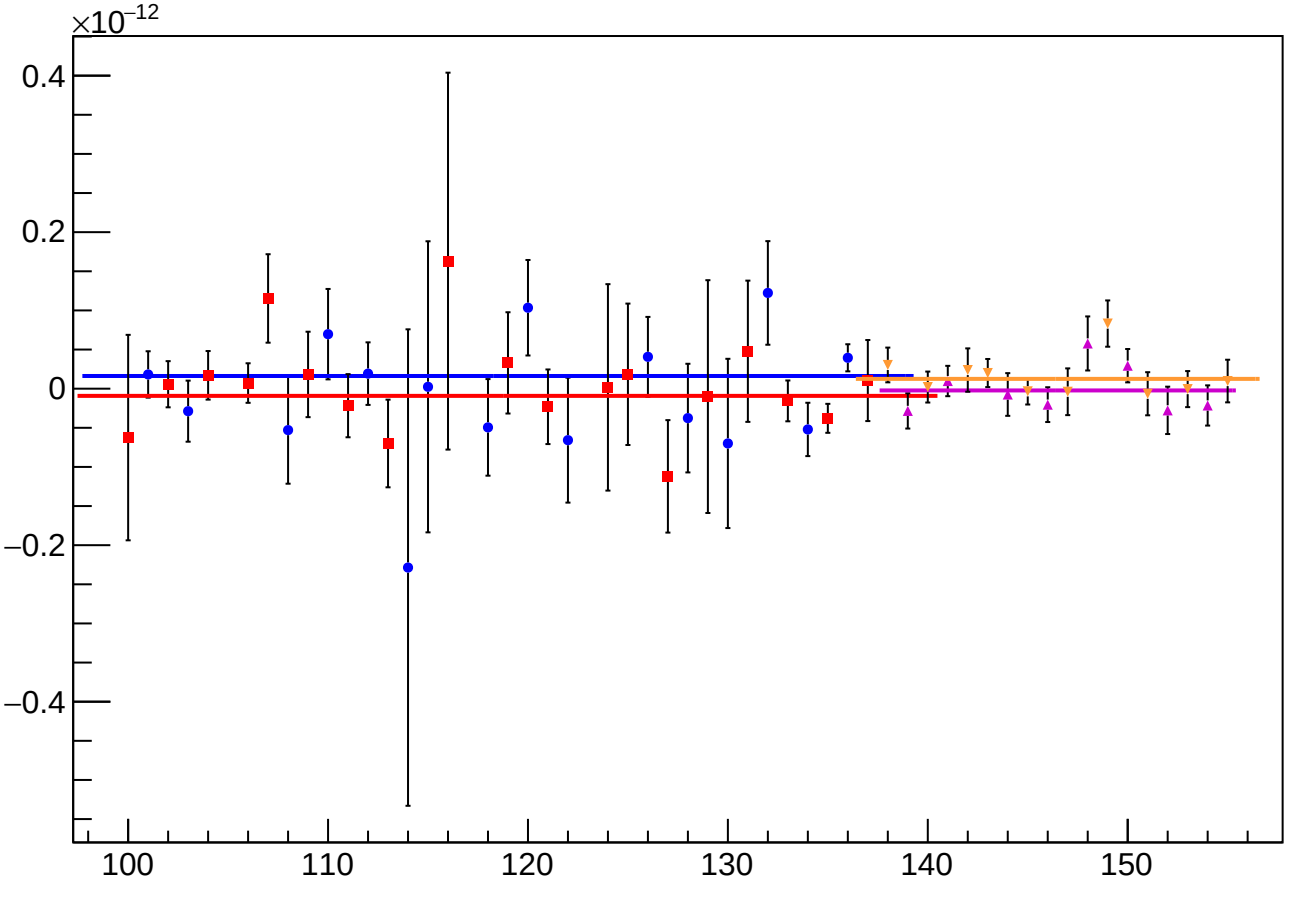
Left: 954.864+/-0.177 χ^2/NDF: 411956.7/17

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 828.183+/-0.163 χ^2/NDF:2430664.9/23

Out: 794.795+/-0.151 χ^2/NDF:2707979.8/28

All: 810.264+/-0.111 χ^2/NDF: 5161195.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/9

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/7

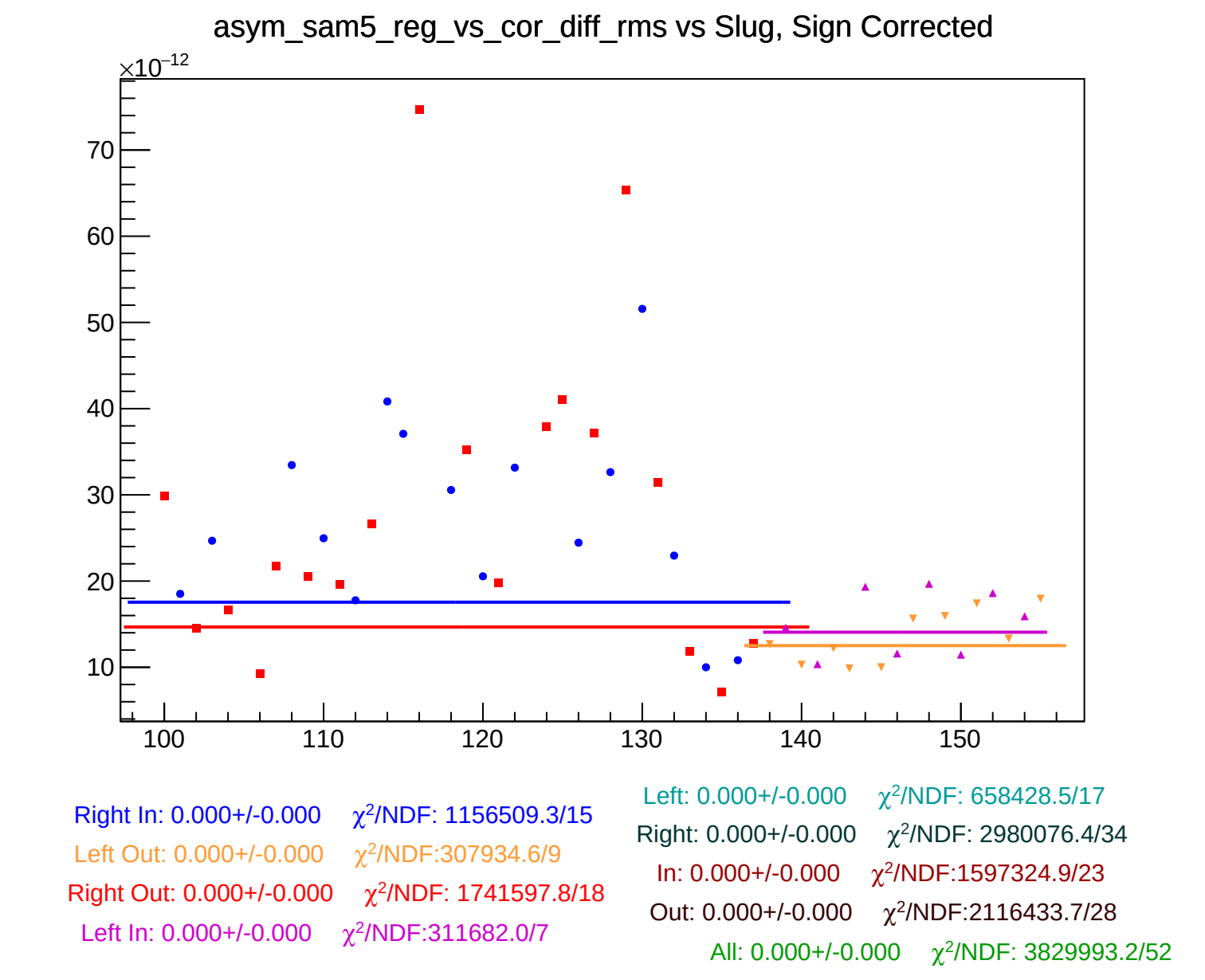
Left: 0.000+/-0.000 χ^2/NDF: 19.6/17

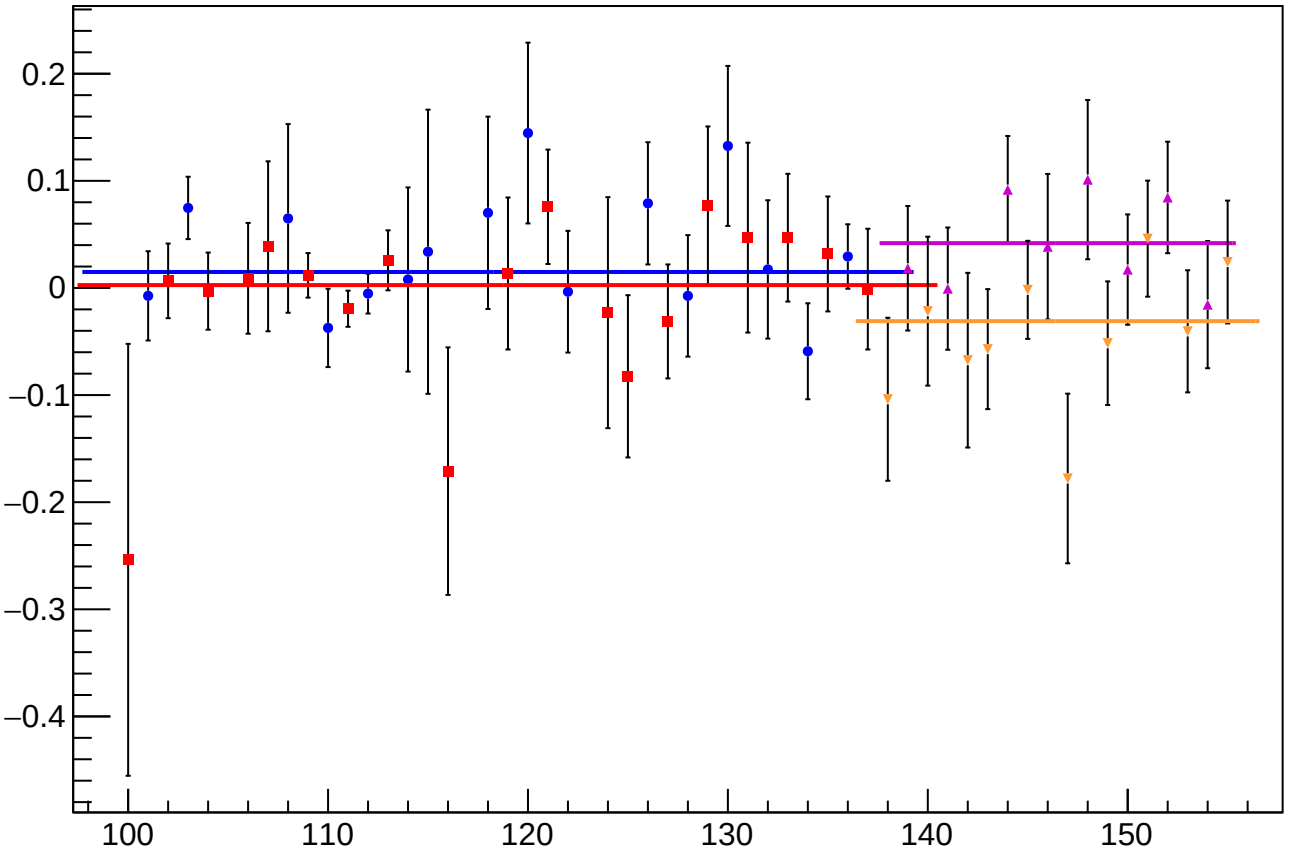
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:28.7/23

Out: 0.000+/-0.000 χ^2/NDF:26.5/28

All: 0.000+/-0.000 χ^2/NDF: 55.2/52


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:307934.6/9
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:311682.0/7
Left: 0.000+/-0.000 χ²/NDF: 658428.5/17
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1597324.9/23
Out: 0.000+/-0.000 χ²/NDF:2116433.7/28
All: 0.000+/-0.000 χ²/NDF: 3829993.2/52



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.031+/-0.019 χ^2/NDF:8.3/9

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.042+/-0.020 χ^2/NDF:4.2/7

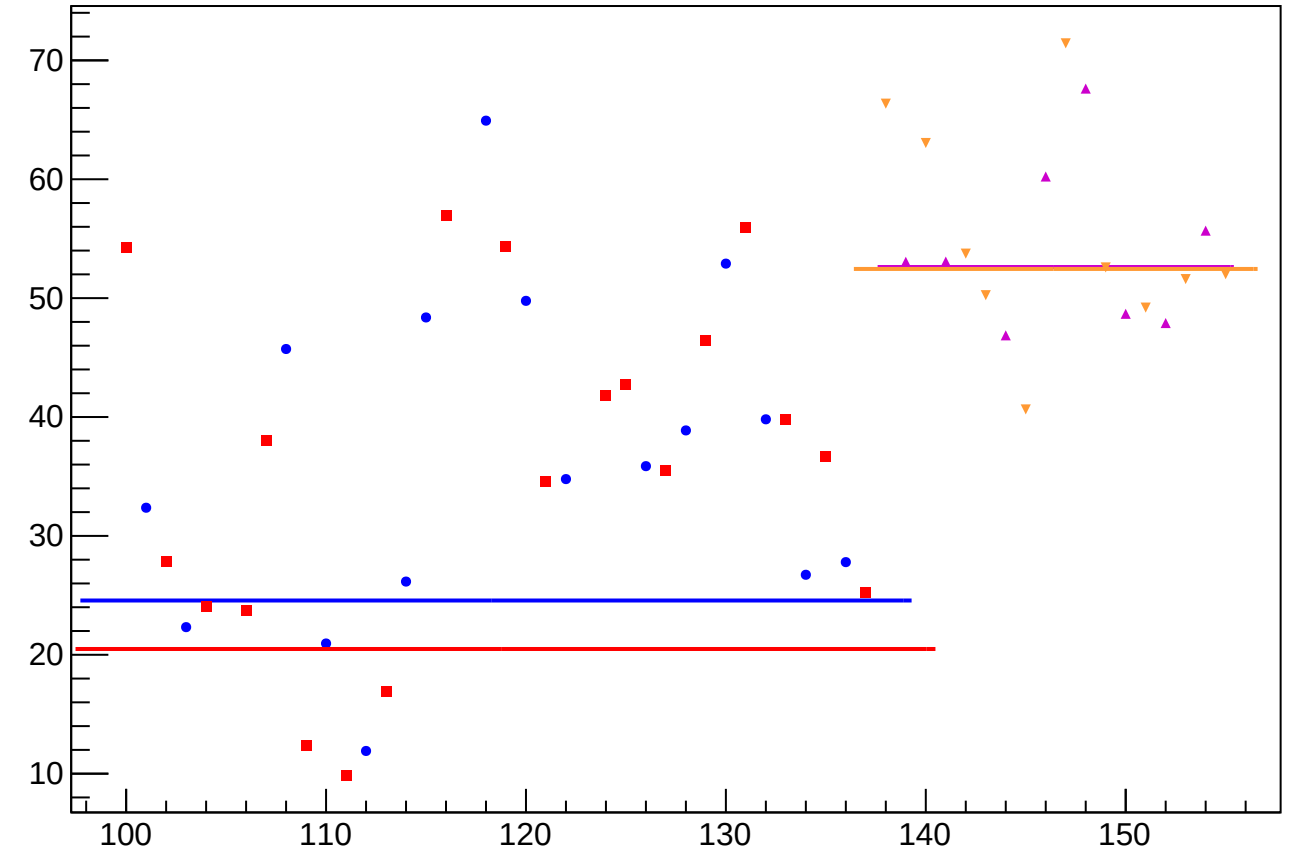
Left: 0.003+/-0.014 χ^2/NDF: 19.3/17

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.021+/-0.009 χ^2/NDF:23.3/23

Out: -0.004+/-0.008 χ^2/NDF:23.3/28

All: 0.007+/-0.006 χ^2/NDF: 50.4/52



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.456+/-0.014 χ^2/NDF:372824.0/9

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.619+/-0.014 χ^2/NDF:166500.6/7

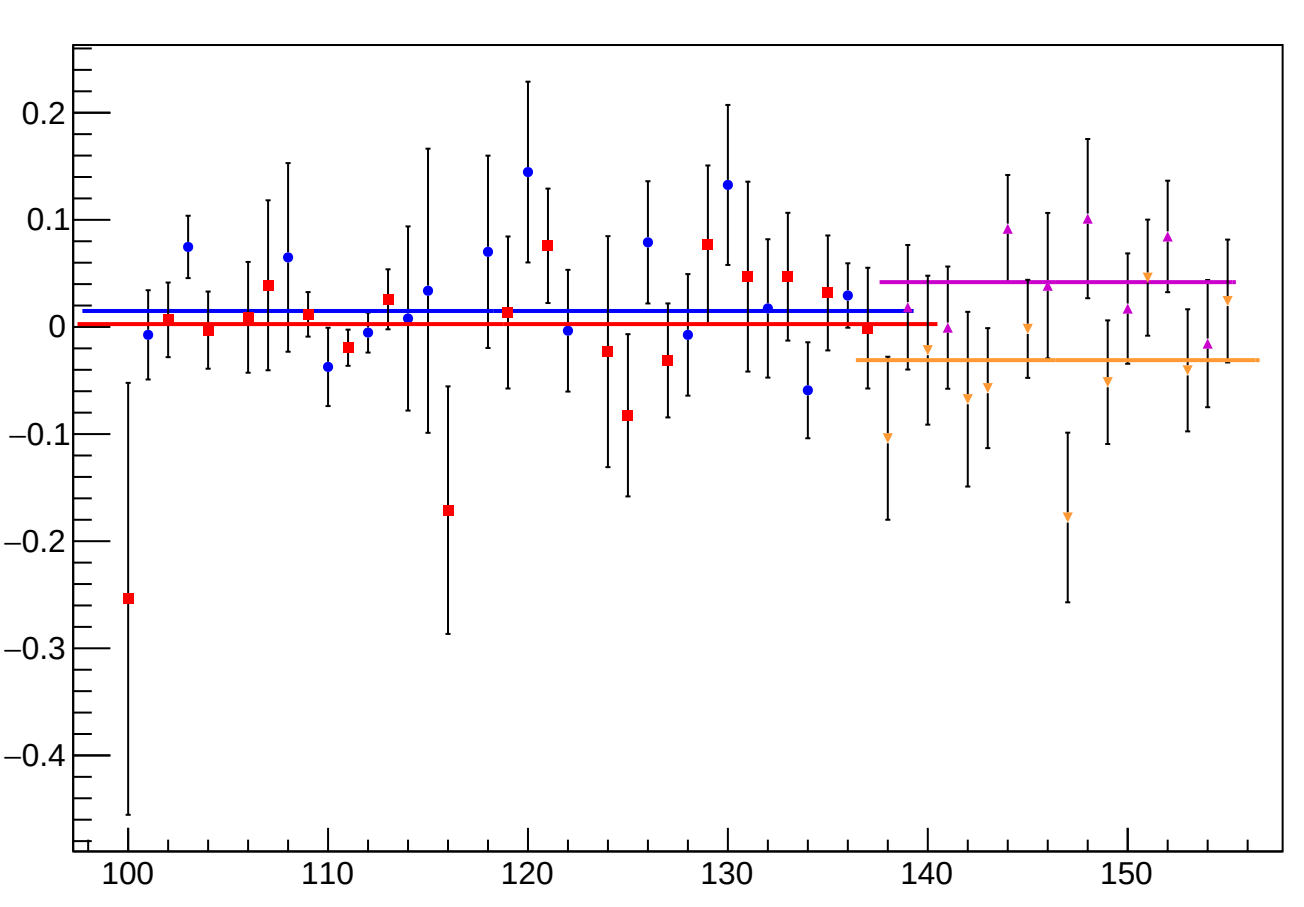
Left: 52.532+/-0.010 χ^2/NDF: 539392.9/17

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 30.566+/-0.007 χ^2/NDF:5654260.3/23

Out: 26.531+/-0.006 χ^2/NDF:8495887.3/28

All: 28.303+/-0.004 χ^2/NDF: 14357374.6/52



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.031+/-0.019 χ^2/NDF:8.3/9

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.042+/-0.020 χ^2/NDF:4.2/7

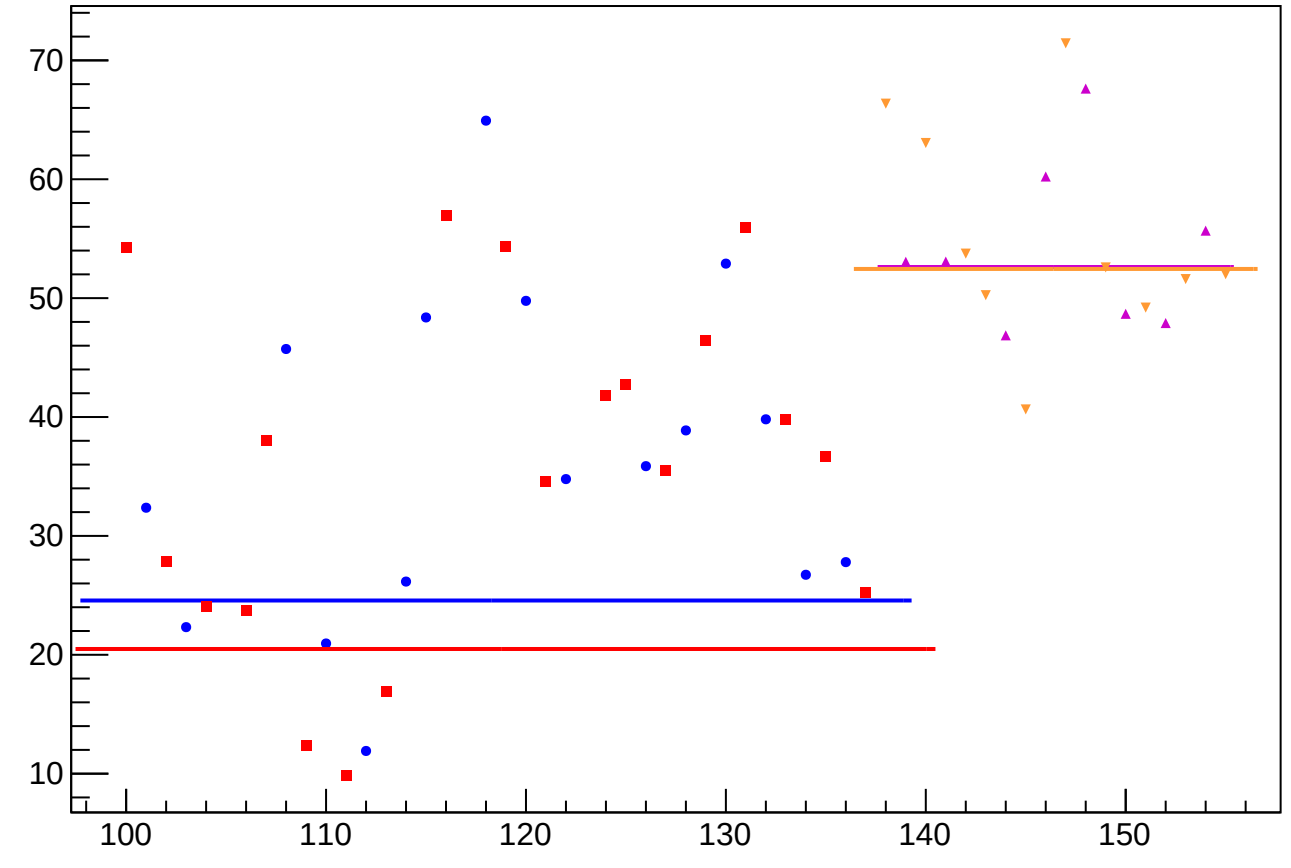
Left: 0.003+/-0.014 χ^2/NDF: 19.3/17

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.021+/-0.009 χ^2/NDF:23.3/23

Out: -0.004+/-0.008 χ^2/NDF:23.3/28

All: 0.007+/-0.006 χ^2/NDF: 50.4/52



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.456+/-0.014 χ^2/NDF:372824.0/9

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.619+/-0.014 χ^2/NDF:166500.6/7

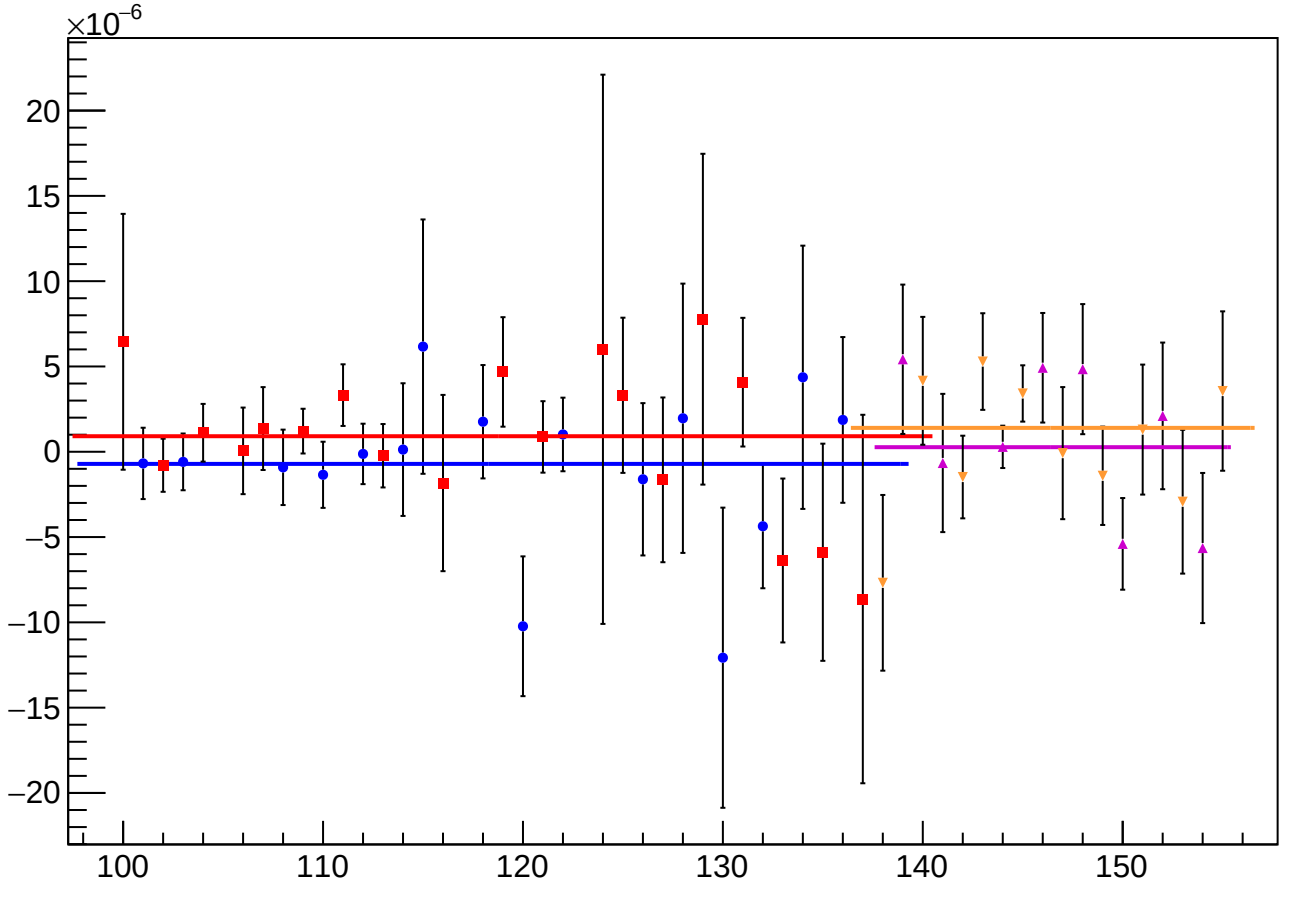
Left: 52.532+/-0.010 χ^2/NDF: 539392.9/17

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 30.566+/-0.007 χ^2/NDF:5654260.3/23

Out: 26.531+/-0.006 χ^2/NDF:8495887.3/28

All: 28.303+/-0.004 χ^2/NDF: 14357374.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.4/7

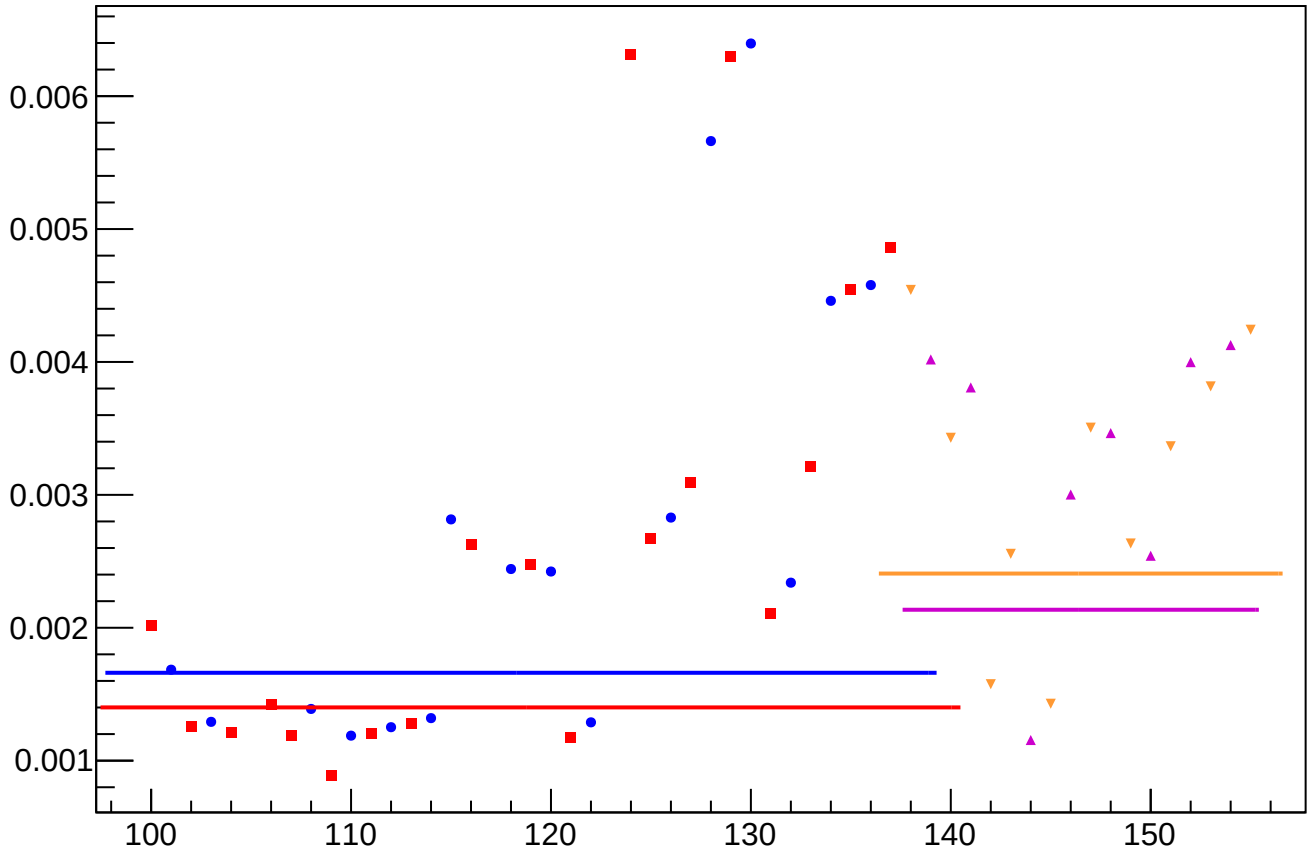
Left: 0.000+/-0.000 χ^2/NDF: 23.0/17

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:23.4/23

Out: 0.000+/-0.000 χ^2/NDF:22.9/28

All: 0.000+/-0.000 χ^2/NDF: 49.8/52



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2269336.2/9

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:3176742.3/7

Left: 0.002+/-0.000 χ^2/NDF: 5531350.8/17

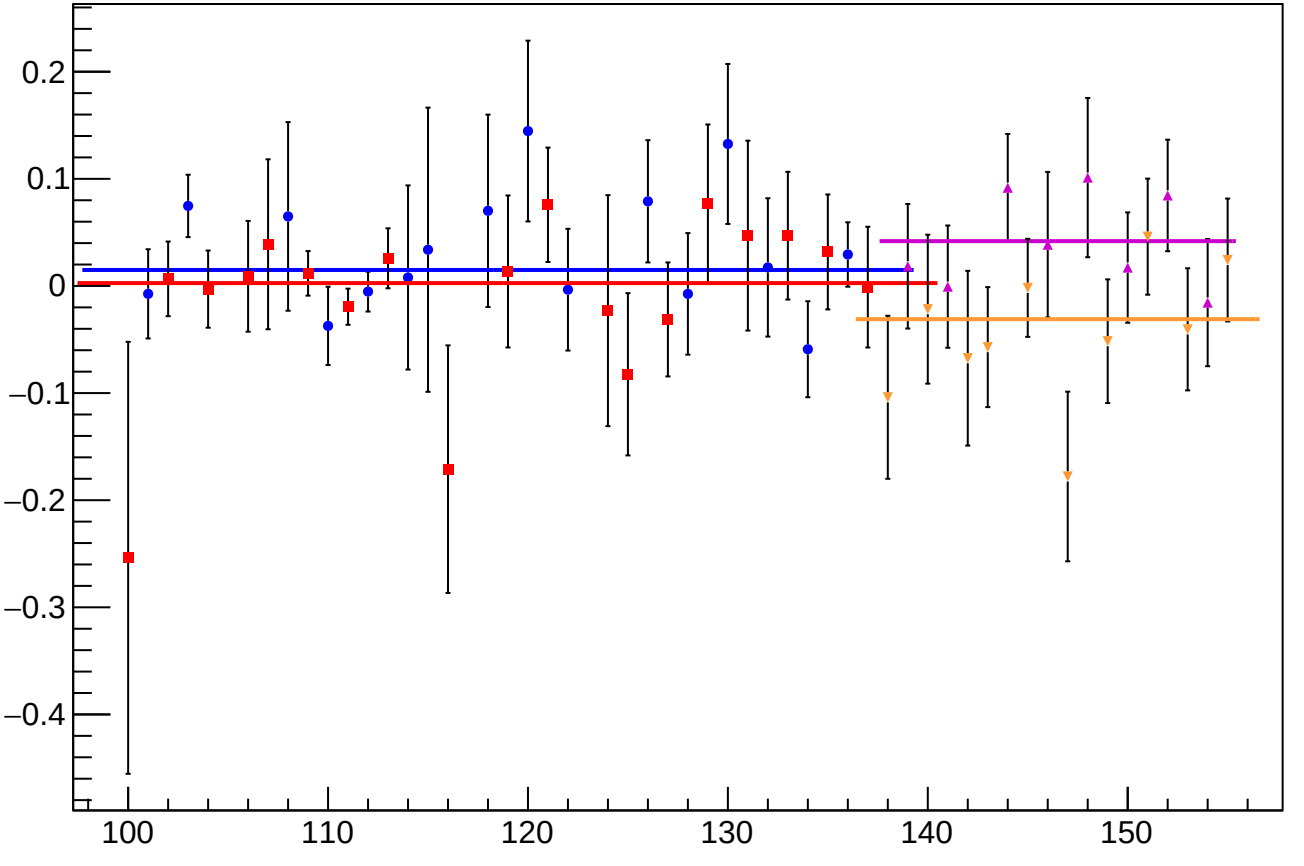
Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:6453826.7/23

Out: 0.002+/-0.000 χ^2/NDF:6833359.9/28

All: 0.002+/-0.000 χ^2/NDF: 13368721.4/52

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.031+/-0.019 χ^2/NDF:8.3/9

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.042+/-0.020 χ^2/NDF:4.2/7

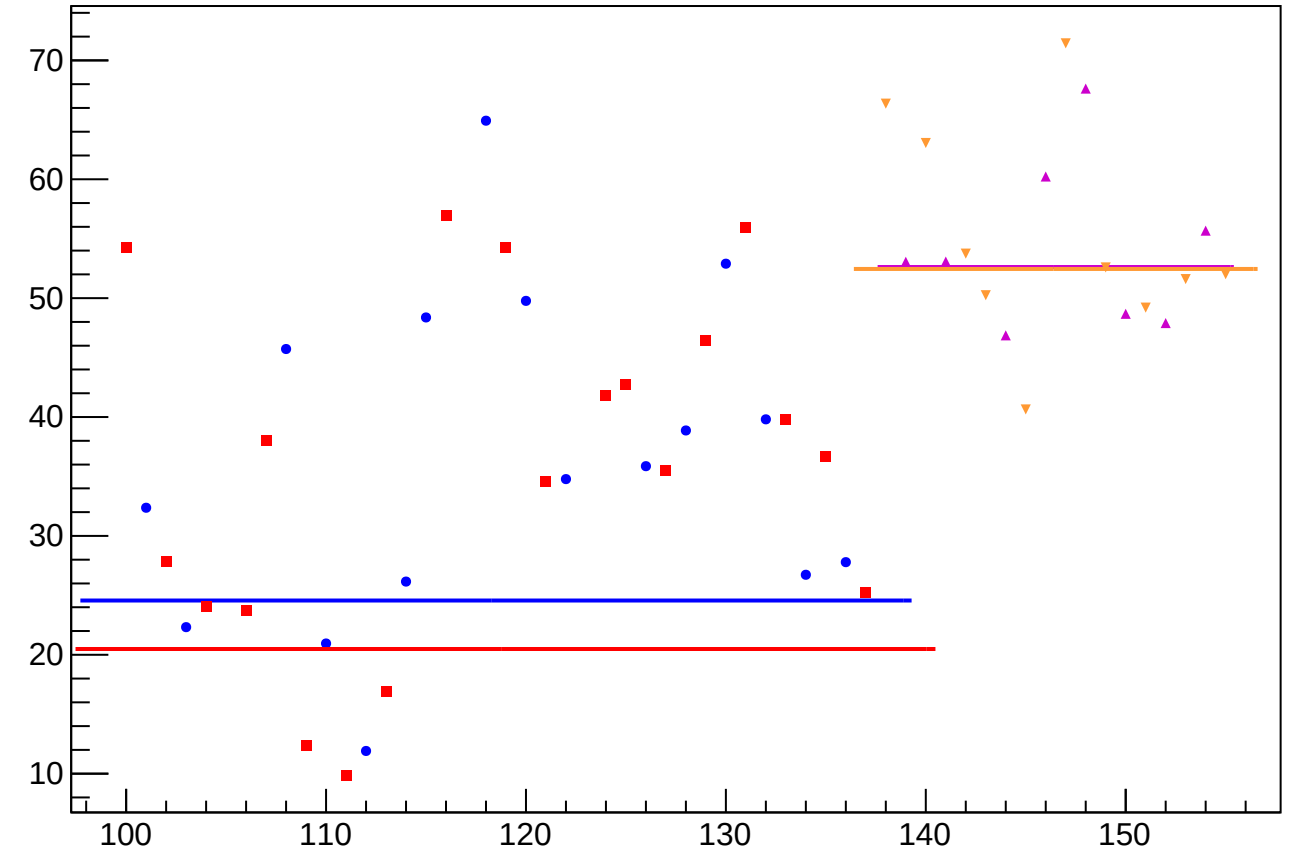
Left: 0.003+/-0.014 χ^2/NDF: 19.3/17

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.021+/-0.009 χ^2/NDF:23.3/23

Out: -0.004+/-0.008 χ^2/NDF:23.3/28

All: 0.007+/-0.006 χ^2/NDF: 50.4/52



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.456+/-0.014 χ^2/NDF:372880.2/9

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.620+/-0.014 χ^2/NDF:166532.3/7

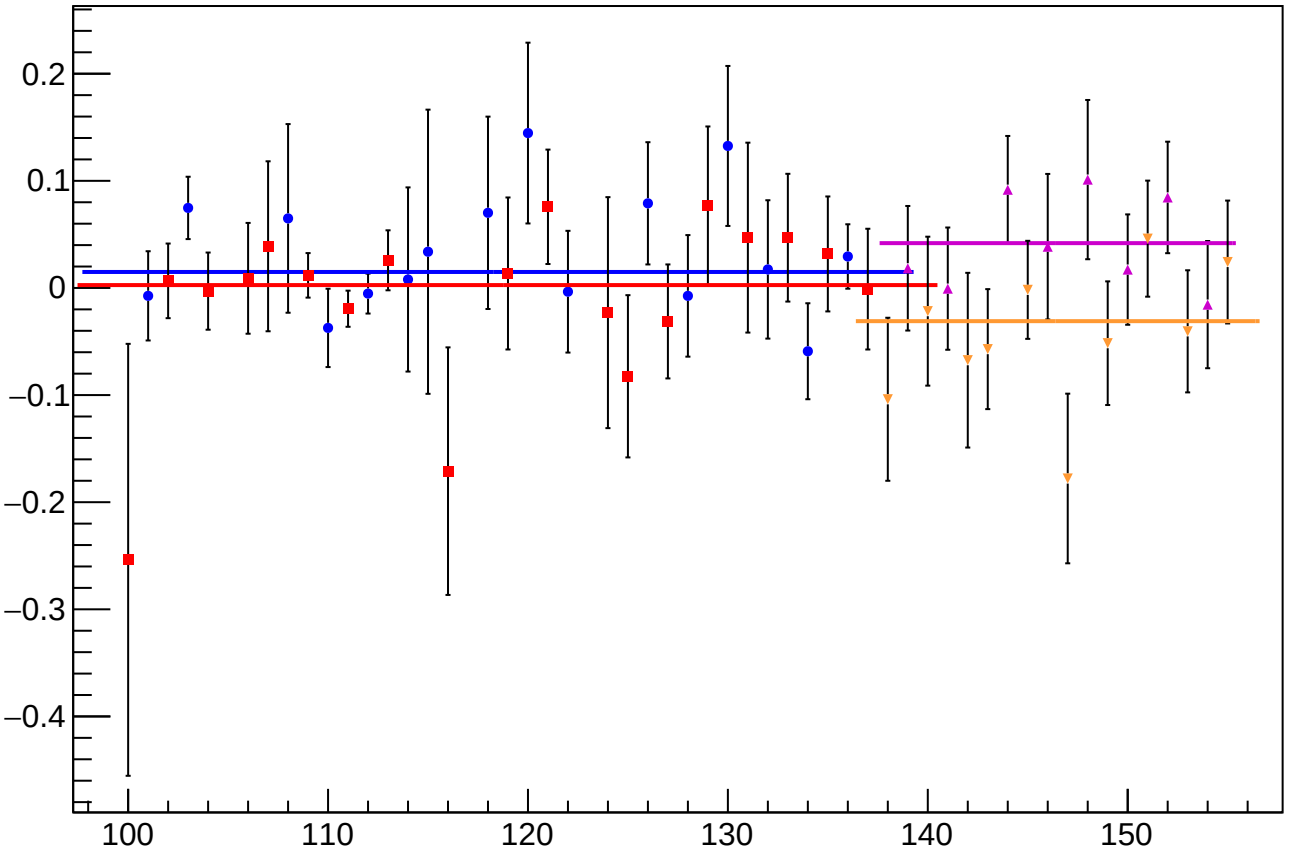
Left: 52.533+/-0.010 χ^2/NDF: 539481.1/17

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 30.565+/-0.007 χ^2/NDF:5654444.1/23

Out: 26.530+/-0.006 χ^2/NDF:8496149.0/28

All: 28.303+/-0.004 χ^2/NDF: 14357835.0/52



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.031+/-0.019 χ^2/NDF:8.3/9

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.042+/-0.020 χ^2/NDF:4.2/7

Left: 0.003+/-0.014 χ^2/NDF: 19.3/17

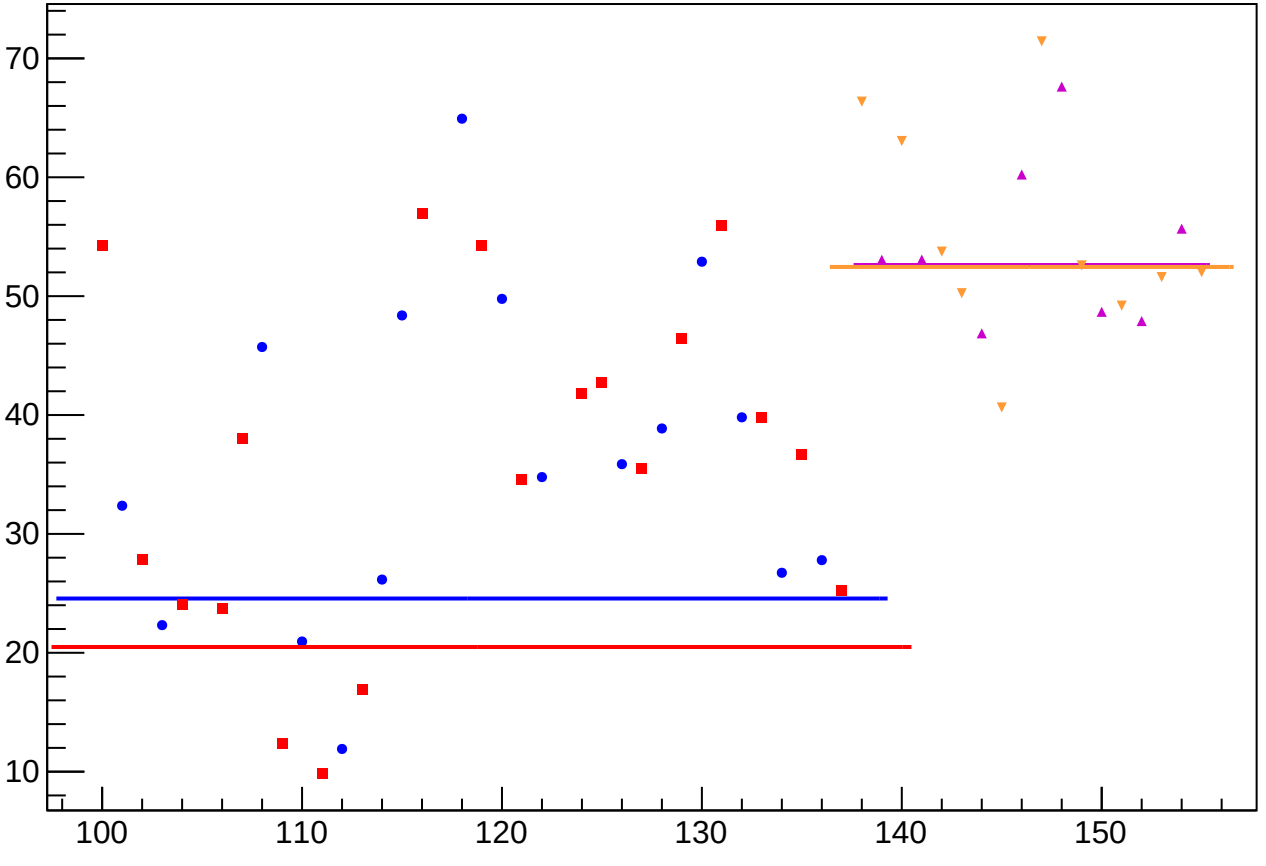
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.021+/-0.009 χ^2/NDF:23.3/23

Out: -0.004+/-0.008 χ^2/NDF:23.3/28

All: 0.007+/-0.006 χ^2/NDF: 50.4/52

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.456+/-0.014 χ^2/NDF:372880.2/9

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.620+/-0.014 χ^2/NDF:166532.3/7

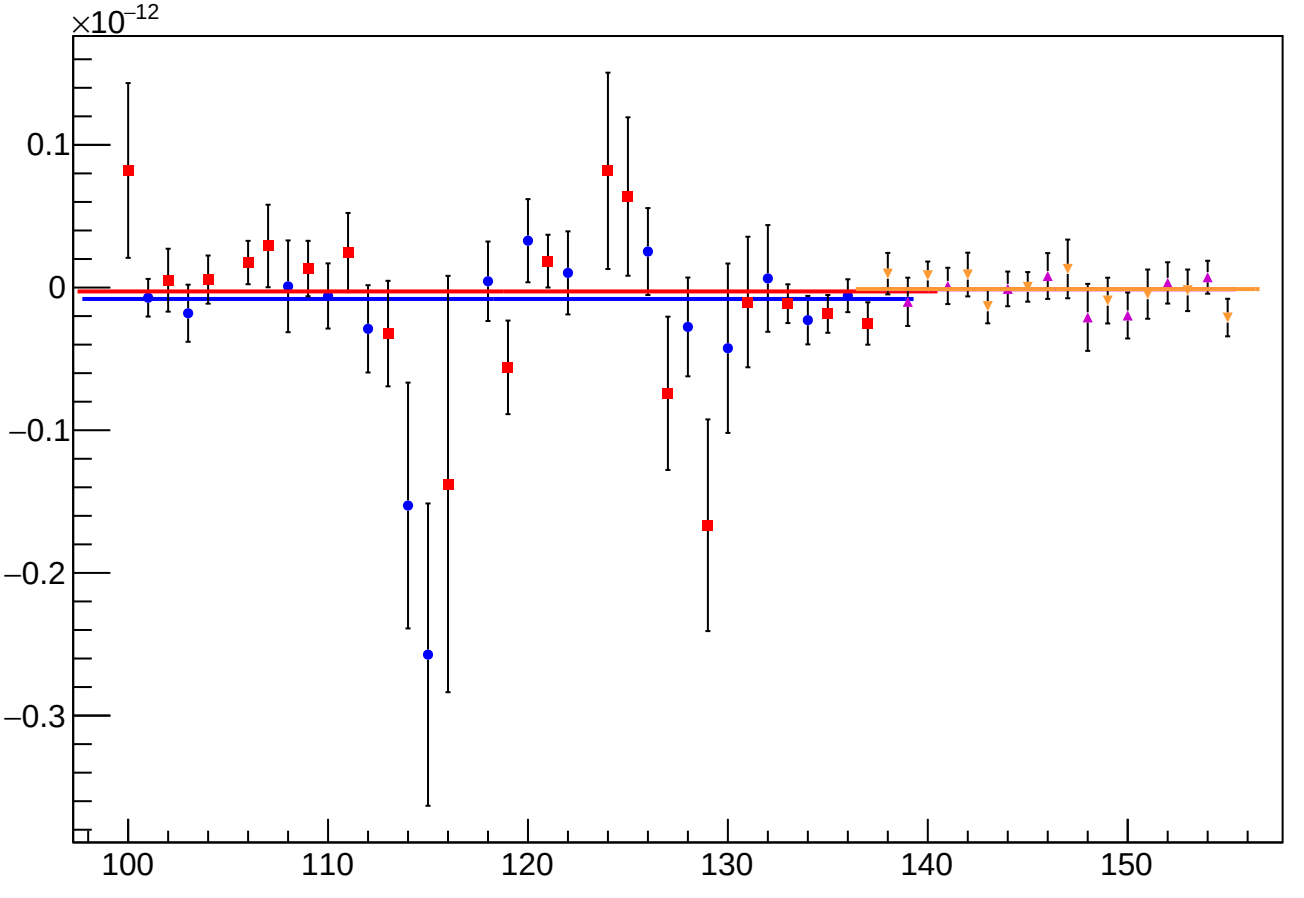
Left: 52.533+/-0.010 χ^2/NDF: 539481.1/17

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 30.565+/-0.007 χ^2/NDF:5654444.1/23

Out: 26.530+/-0.006 χ^2/NDF:8496149.0/28

All: 28.303+/-0.004 χ^2/NDF: 14357835.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/9

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/7

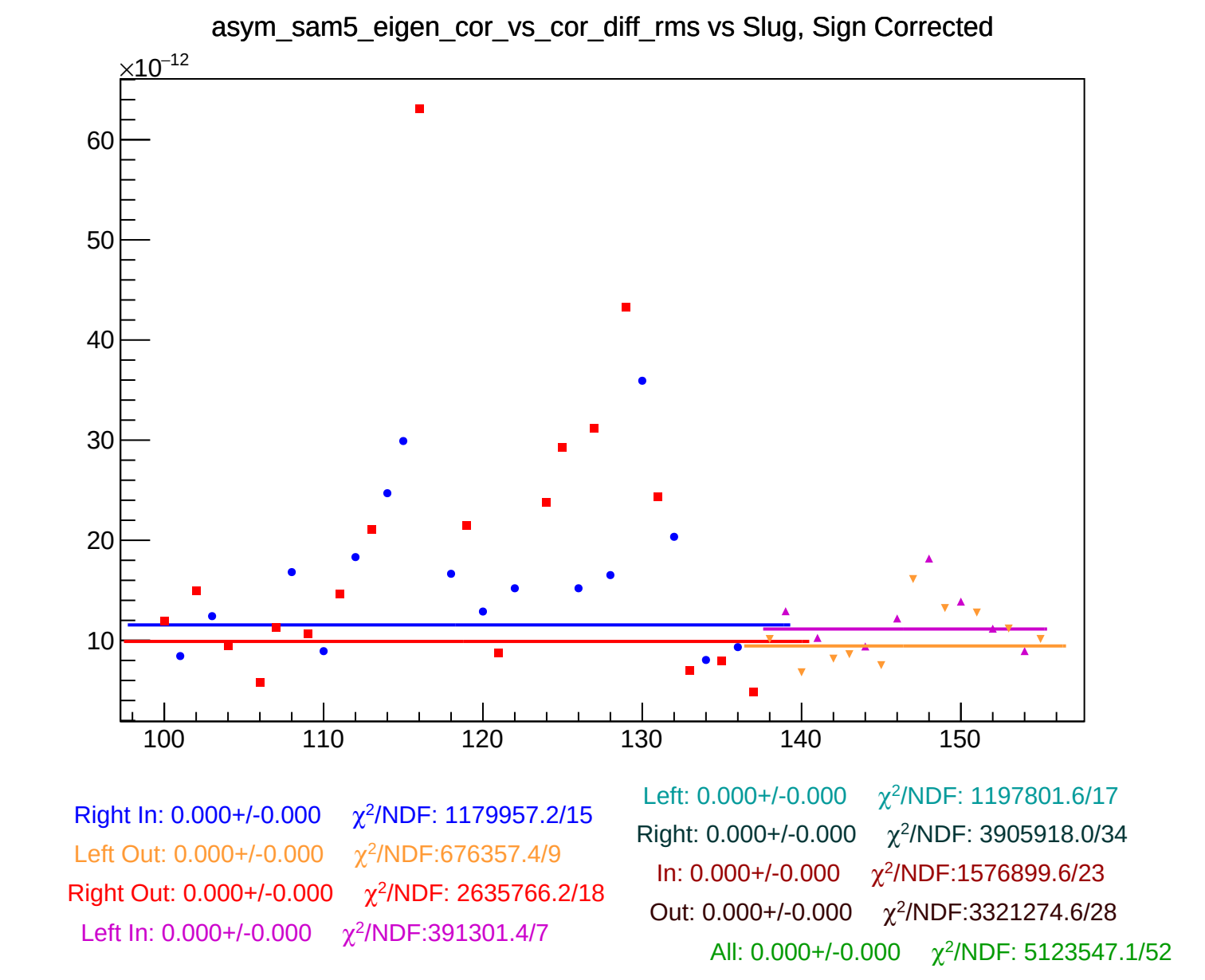
Left: -0.000+/-0.000 χ^2/NDF: 9.4/17

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

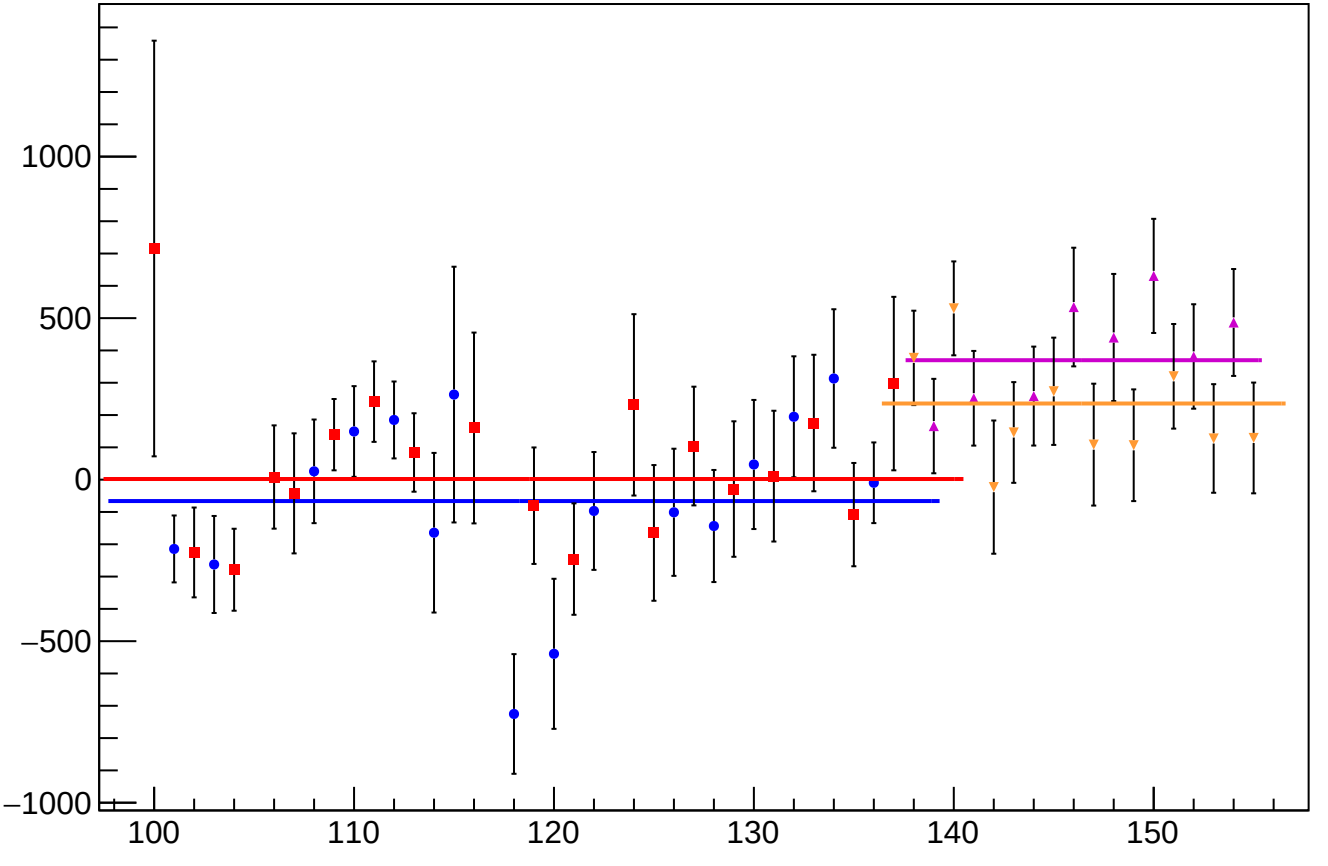
In: -0.000+/-0.000 χ^2/NDF:18.6/23

Out: -0.000+/-0.000 χ^2/NDF:32.2/28

All: -0.000+/-0.000 χ^2/NDF: 51.0/52


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:676357.4/9
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:391301.4/7
Left: 0.000+/-0.000 χ²/NDF: 1197801.6/17
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1576899.6/23
Out: 0.000+/-0.000 χ²/NDF:3321274.6/28
All: 0.000+/-0.000 χ²/NDF: 5123547.1/52

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 235.740+/-52.401 χ^2/NDF:9.1/9

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 369.782+/-57.900 χ^2/NDF:6.7/7

Left: 296.096+/-38.852 χ^2/NDF: 18.8/17

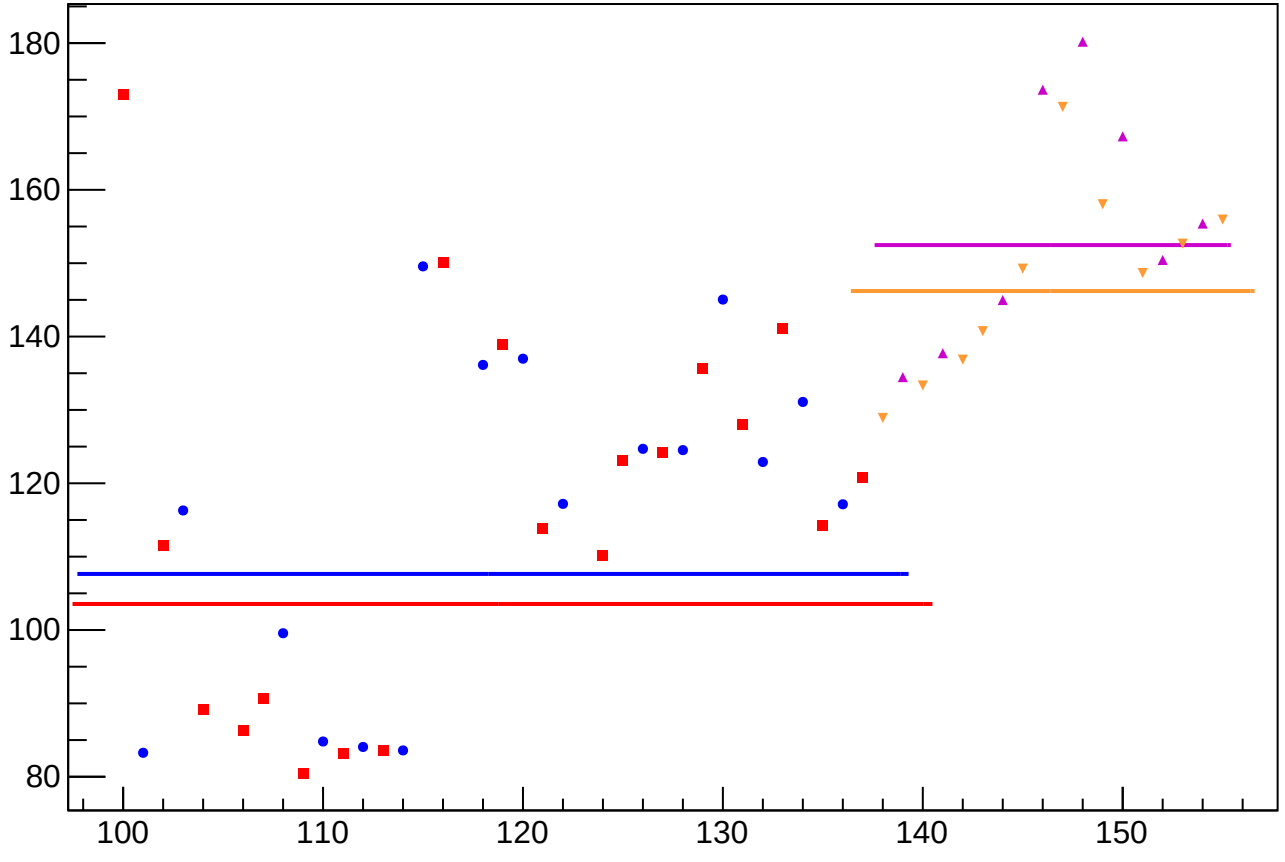
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 79.087+/-33.426 χ^2/NDF:78.9/23

Out: 84.963+/-31.217 χ^2/NDF:43.0/28

All: 82.226+/-22.815 χ^2/NDF: 122.0/52

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 146.206+/-0.037 χ^2/NDF:105583.2/9

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 152.469+/-0.041 χ^2/NDF:136647.0/7

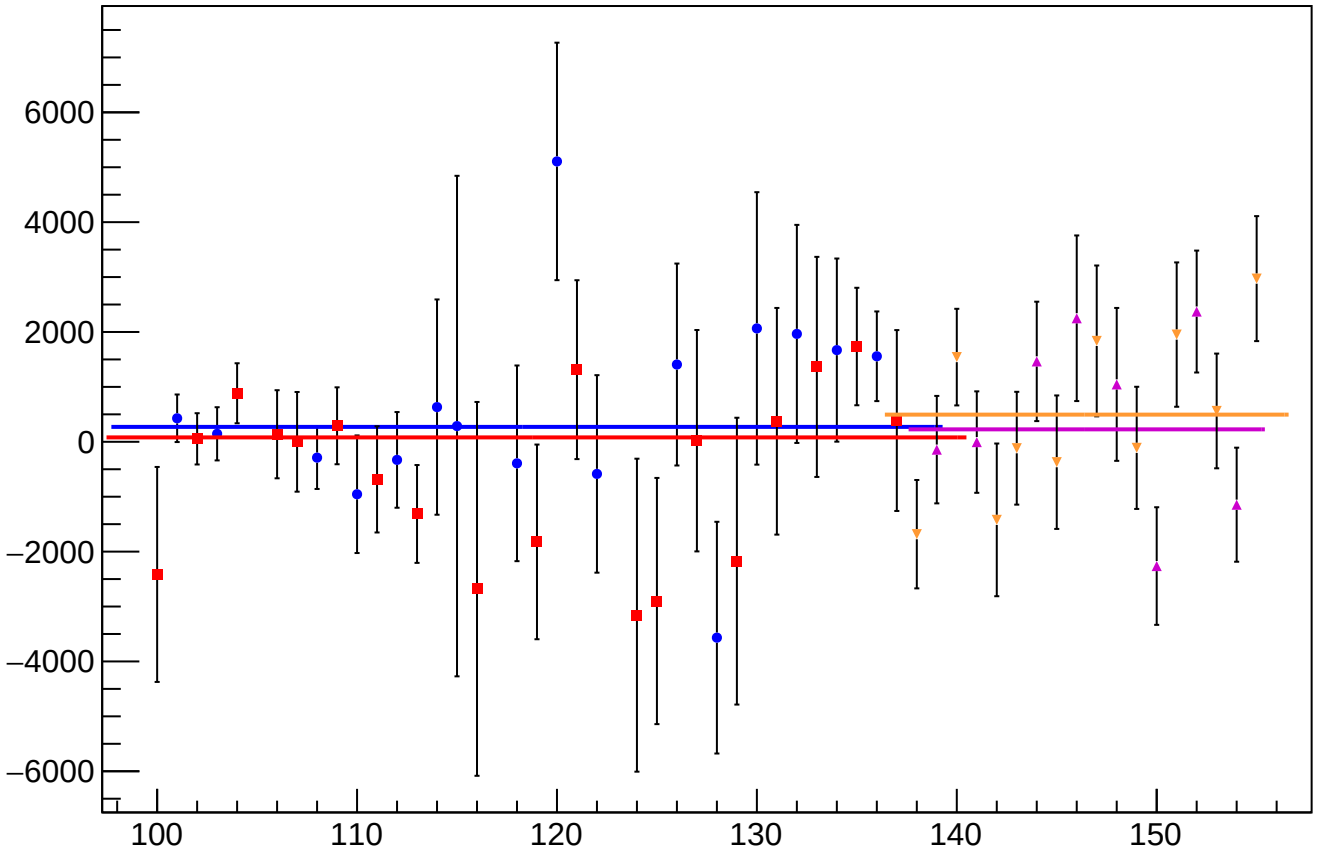
Left: 149.026+/-0.027 χ^2/NDF: 255095.0/17

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 122.584+/-0.024 χ^2/NDF:1468662.8/23

Out: 118.688+/-0.022 χ^2/NDF:1577876.2/28

All: 120.503+/-0.016 χ^2/NDF: 3061048.8/52



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 494.872+/-352.123 χ^2/NDF:16.3/9

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 226.599+/-388.436 χ^2/NDF:14.5/7

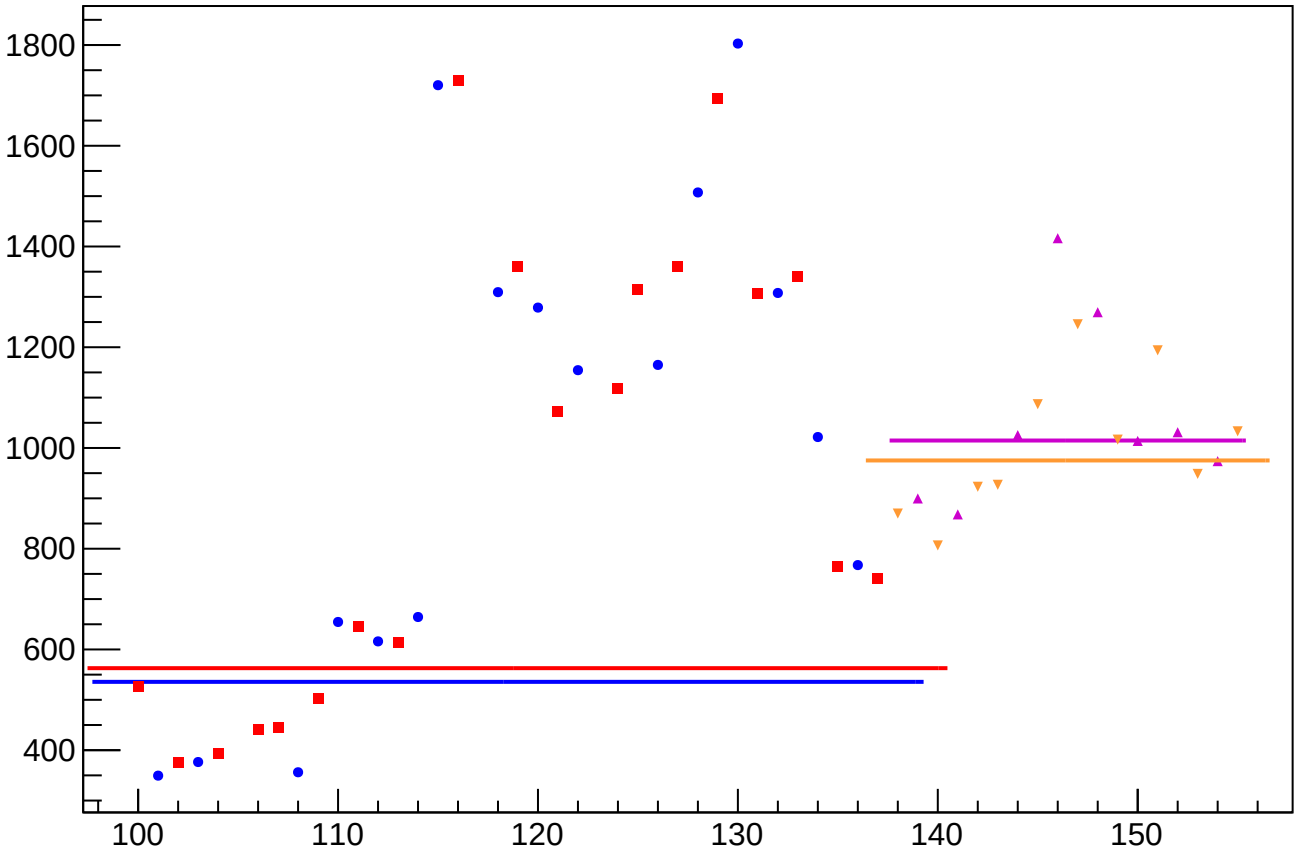
Left: 373.859+/-260.884 χ^2/NDF: 31.1/17

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 259.798+/-198.330 χ^2/NDF:31.0/23

Out: 205.763+/-193.821 χ^2/NDF:33.3/28

All: 232.159+/-138.619 χ^2/NDF: 64.3/52



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 975.223+/-0.249 χ^2/NDF:262525.6/9

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1014.797+/-0.275 χ^2/NDF:290596.5/7

Left: 993.074+/-0.184 χ^2/NDF: 564517.5/17

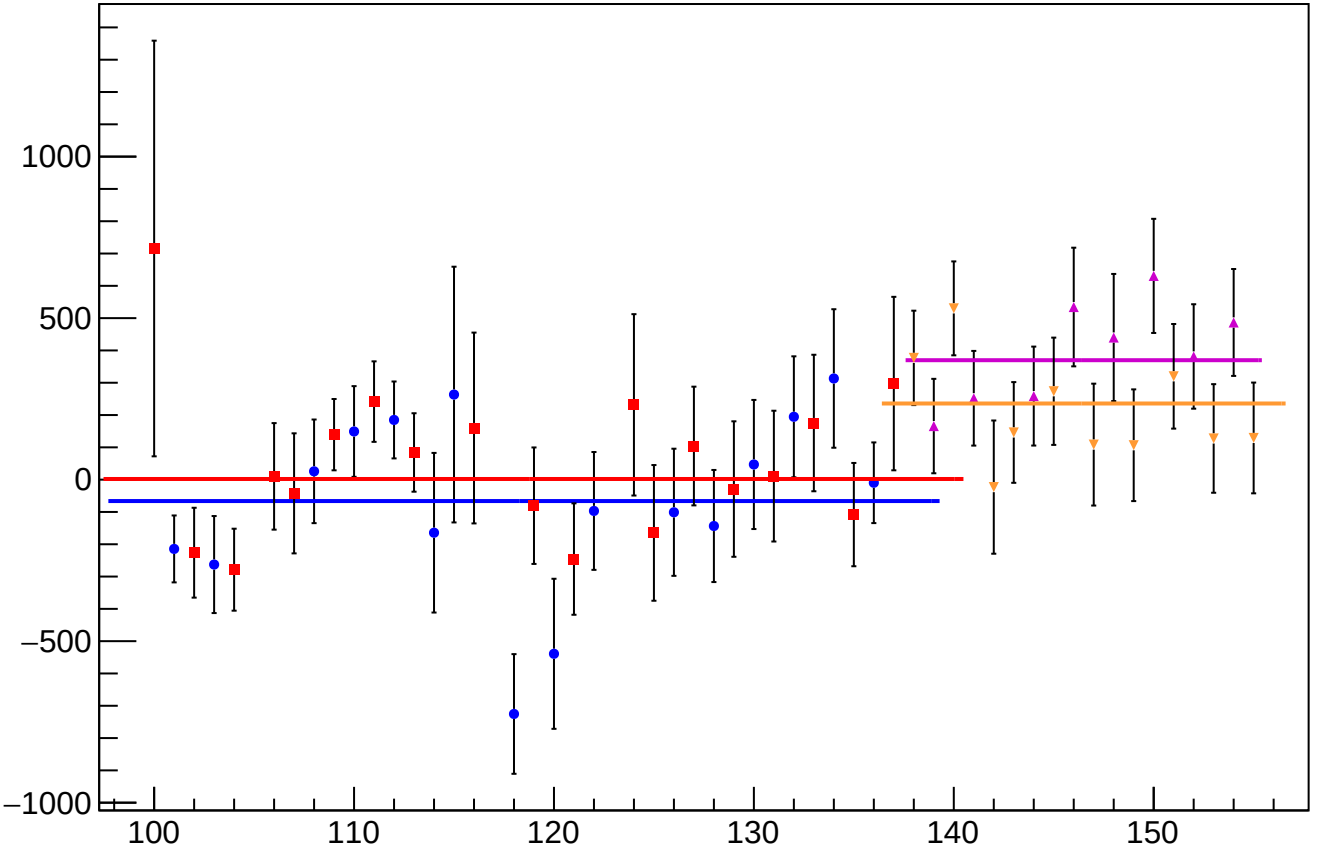
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 660.587+/-0.140 χ^2/NDF:6172511.3/23

Out: 687.786+/-0.137 χ^2/NDF:5285514.7/28

All: 674.499+/-0.098 χ^2/NDF: 11477266.2/52

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 235.742+/-52.401 χ^2/NDF:9.1/9

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 369.783+/-57.900 χ^2/NDF:6.7/7

Left: 296.097+/-38.852 χ^2/NDF: 18.8/17

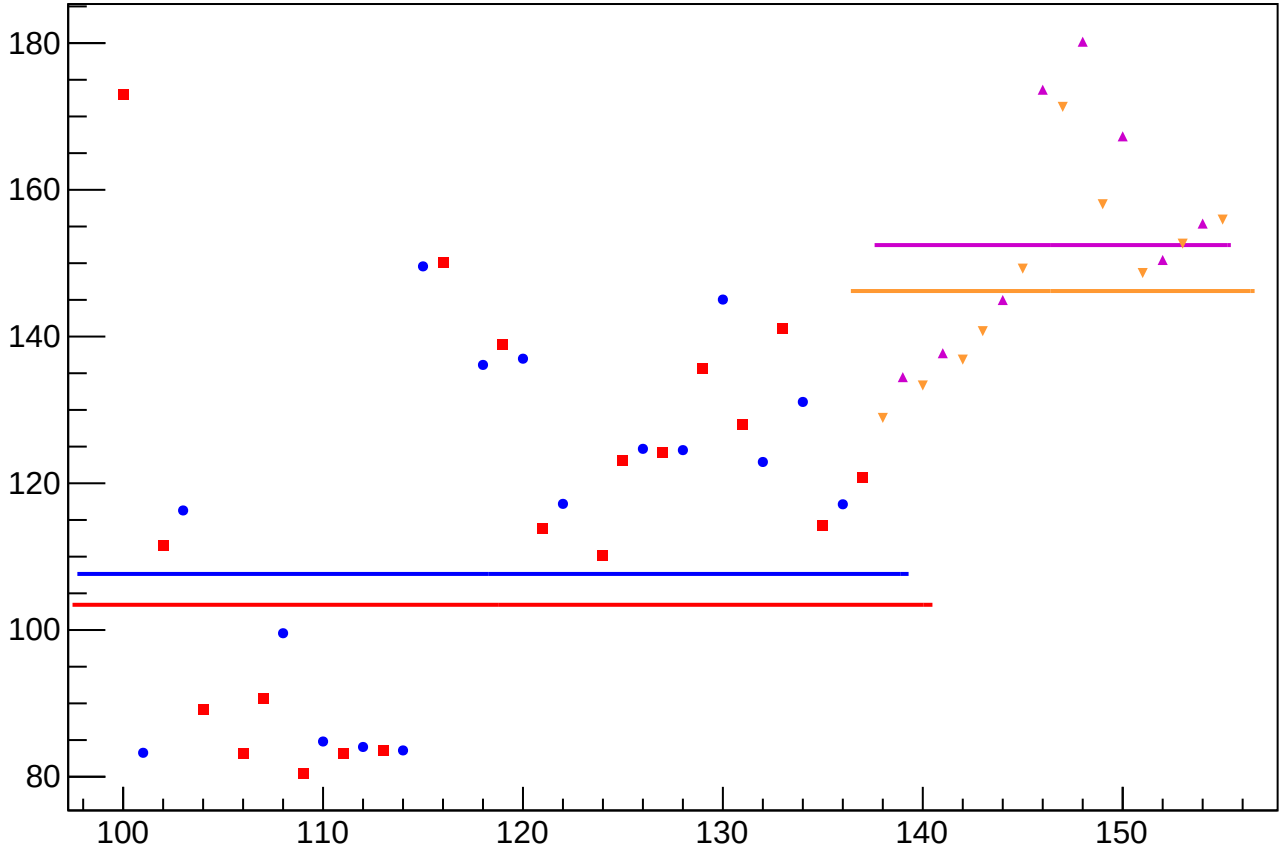
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 79.070+/-33.426 χ^2/NDF:79.0/23

Out: 85.186+/-31.253 χ^2/NDF:43.0/28

All: 82.333+/-22.829 χ^2/NDF: 122.0/52

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 146.206+/-0.037 χ^2/NDF:105583.2/9

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 152.469+/-0.041 χ^2/NDF:136647.0/7

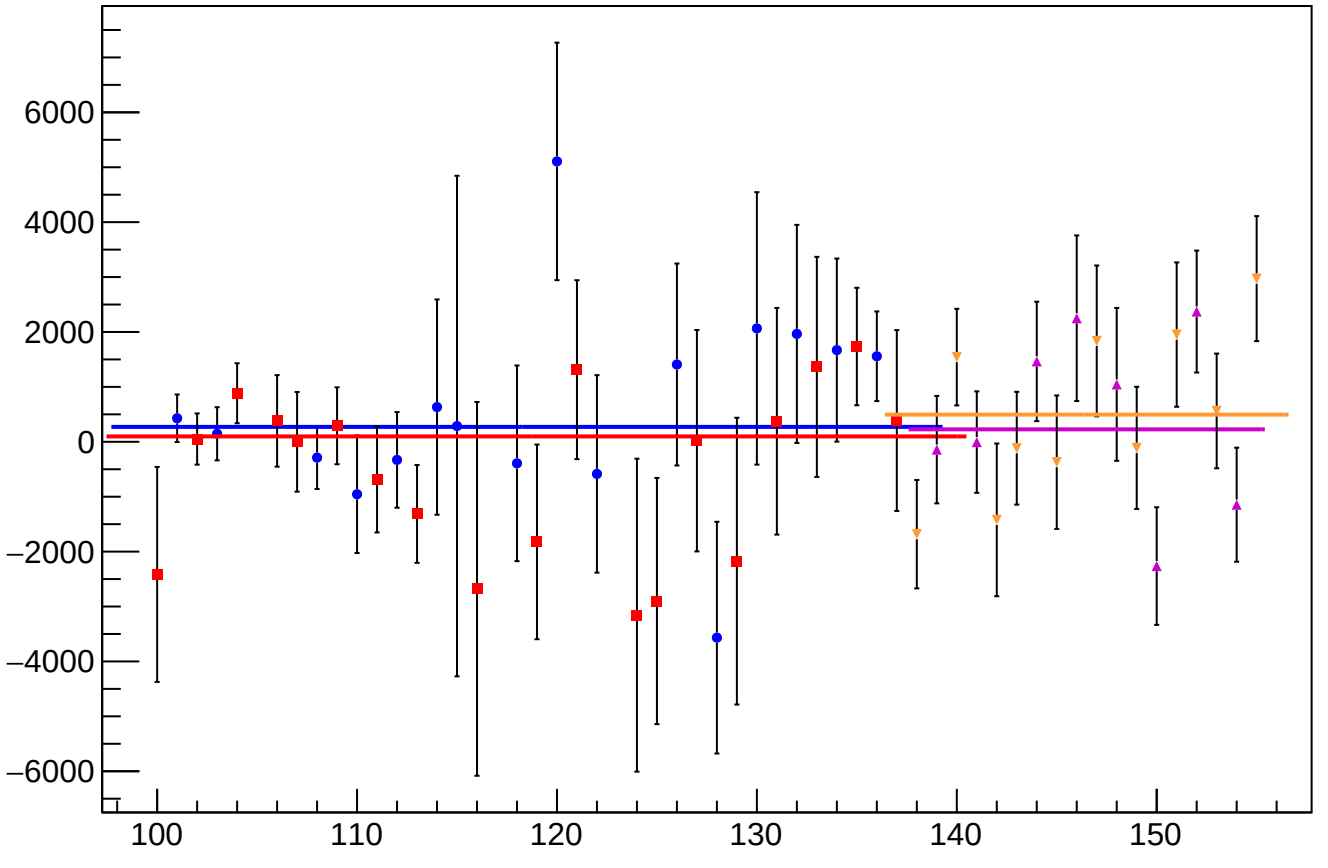
Left: 149.026+/-0.027 χ^2/NDF: 255095.0/17

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 122.584+/-0.024 χ^2/NDF:1468661.9/23

Out: 118.651+/-0.022 χ^2/NDF:1588678.4/28

All: 120.485+/-0.016 χ^2/NDF: 3072111.0/52



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 494.880+/-352.123 χ^2/NDF:16.3/9

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 226.588+/-388.436 χ^2/NDF:14.5/7

Left: 373.858+/-260.884 χ^2/NDF: 31.1/17

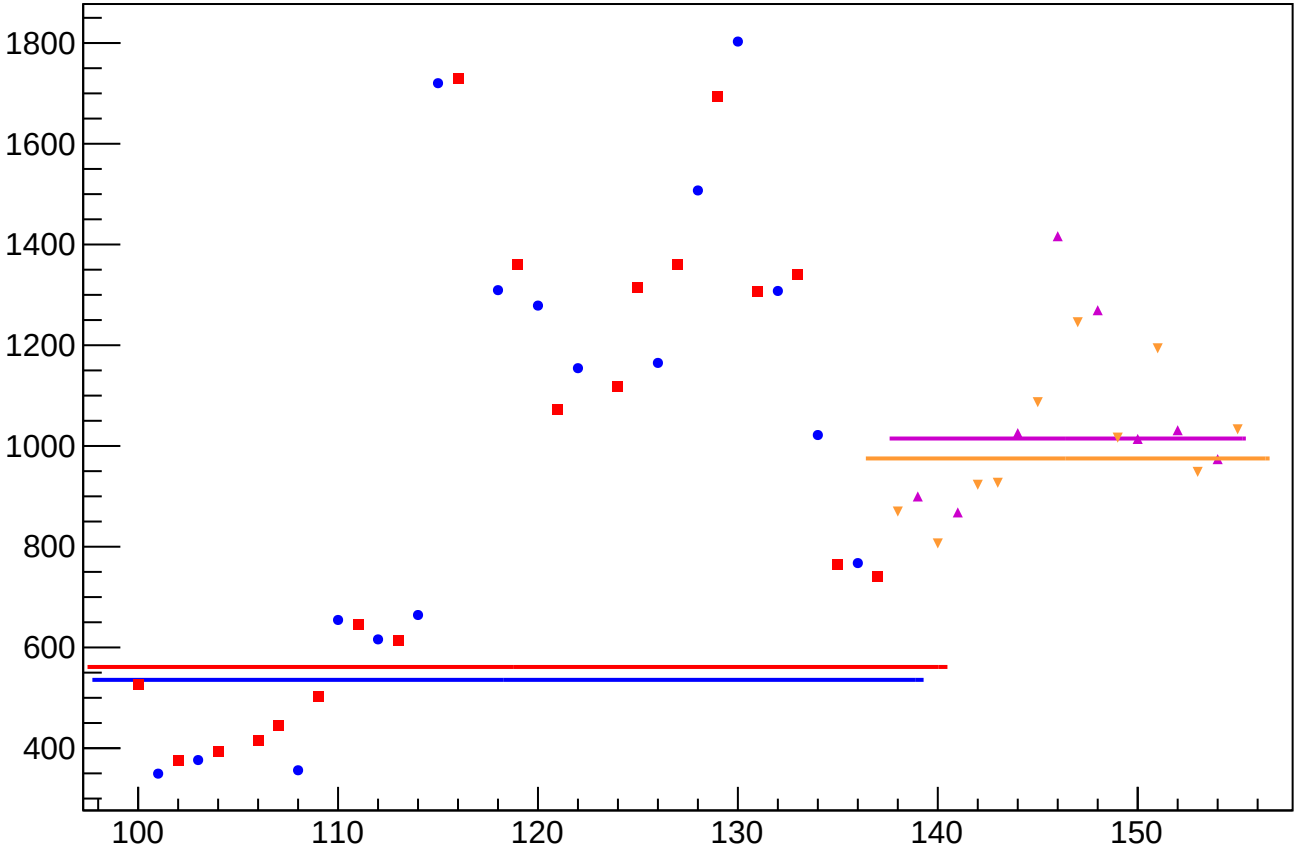
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 259.899+/-198.325 χ^2/NDF:31.0/23

Out: 218.592+/-194.185 χ^2/NDF:33.3/28

All: 238.810+/-138.750 χ^2/NDF: 64.3/52

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 975.223+/-0.249 χ^2/NDF:262525.7/9

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1014.798+/-0.275 χ^2/NDF:290596.8/7

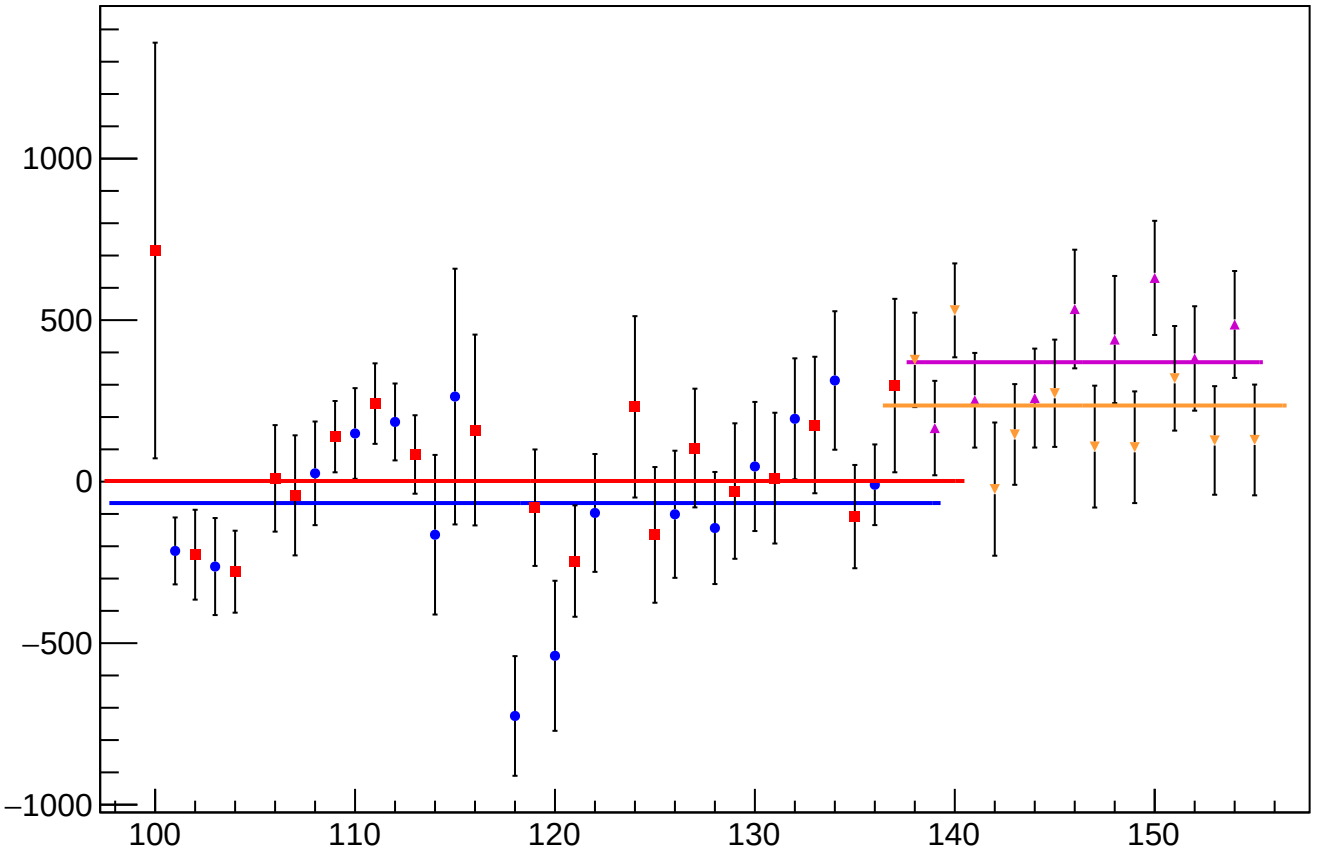
Left: 993.074+/-0.184 χ^2/NDF: 564518.1/17

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 660.565+/-0.140 χ^2/NDF:6172954.0/23

Out: 687.160+/-0.137 χ^2/NDF:5316728.9/28

All: 674.143+/-0.098 χ^2/NDF: 11508044.2/52



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 235.742+/-52.401 χ^2/NDF:9.1/9

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 369.783+/-57.900 χ^2/NDF:6.7/7

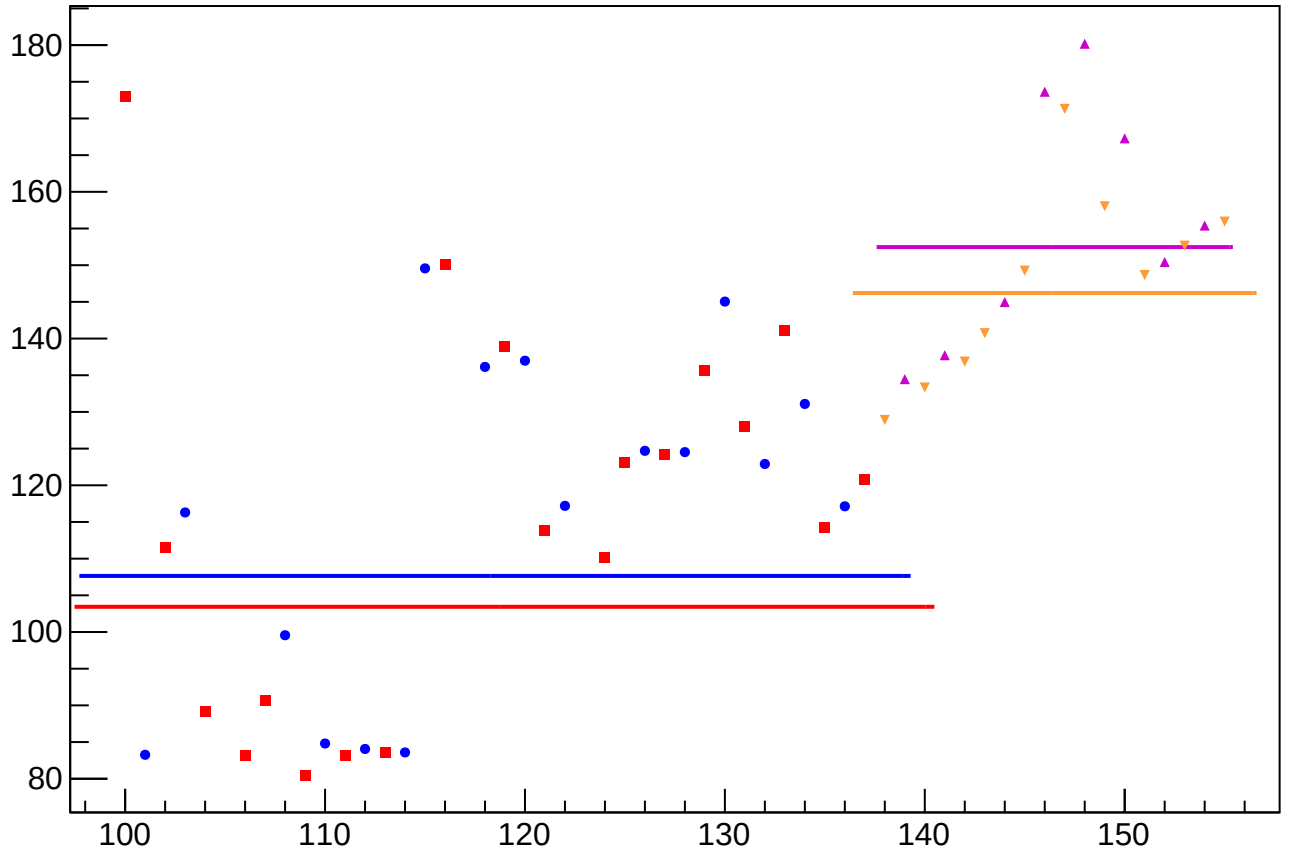
Left: 296.097+/-38.852 χ^2/NDF: 18.8/17

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 79.070+/-33.426 χ^2/NDF:79.0/23

Out: 85.186+/-31.253 χ^2/NDF:43.0/28

All: 82.333+/-22.829 χ^2/NDF: 122.0/52



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 146.206+/-0.037 χ^2/NDF:105583.2/9

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 152.469+/-0.041 χ^2/NDF:136647.0/7

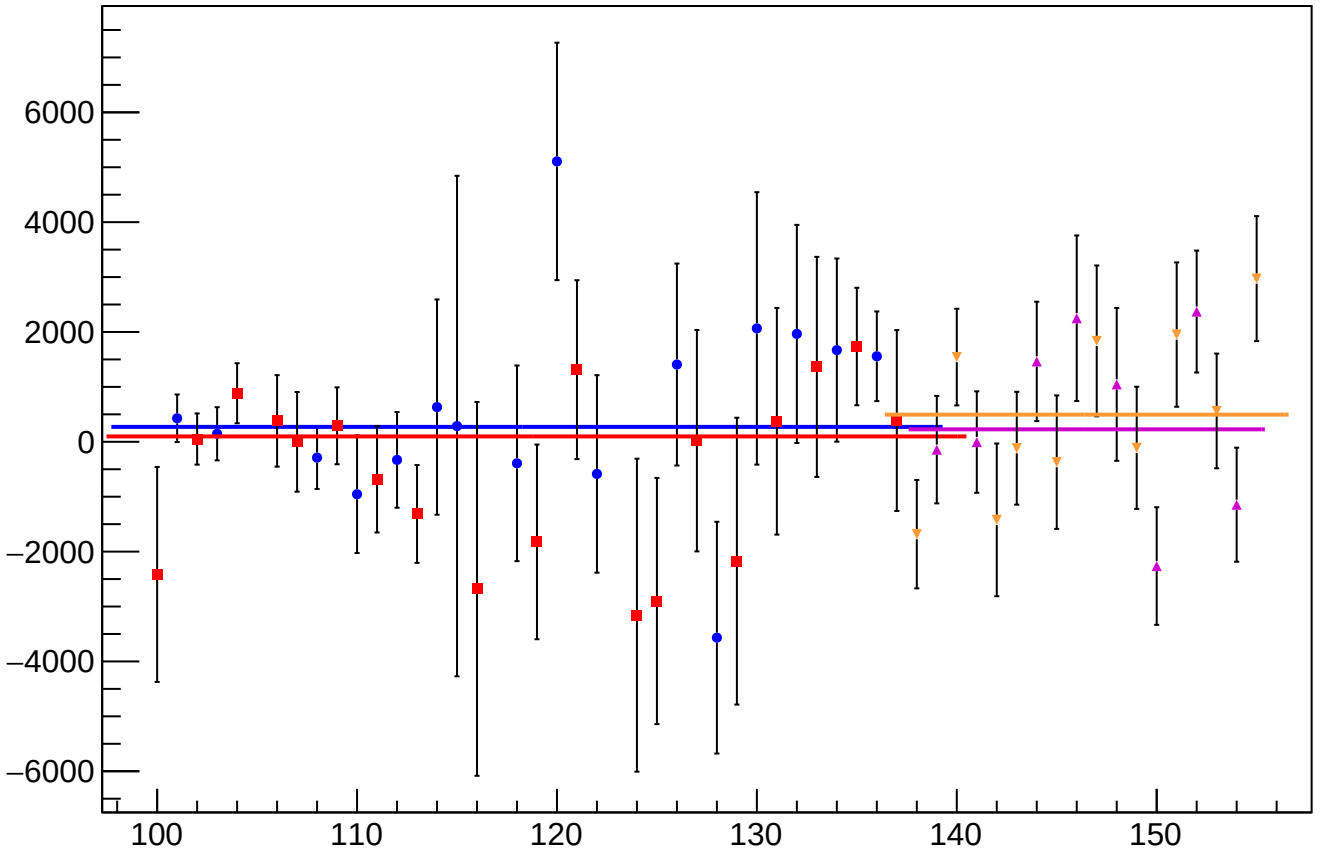
Left: 149.026+/-0.027 χ^2/NDF: 255095.0/17

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 122.584+/-0.024 χ^2/NDF:1468661.9/23

Out: 118.651+/-0.022 χ^2/NDF:1588678.4/28

All: 120.485+/-0.016 χ^2/NDF: 3072111.0/52



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 494.880+/-352.123 χ^2/NDF:16.3/9

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 226.588+/-388.436 χ^2/NDF:14.5/7

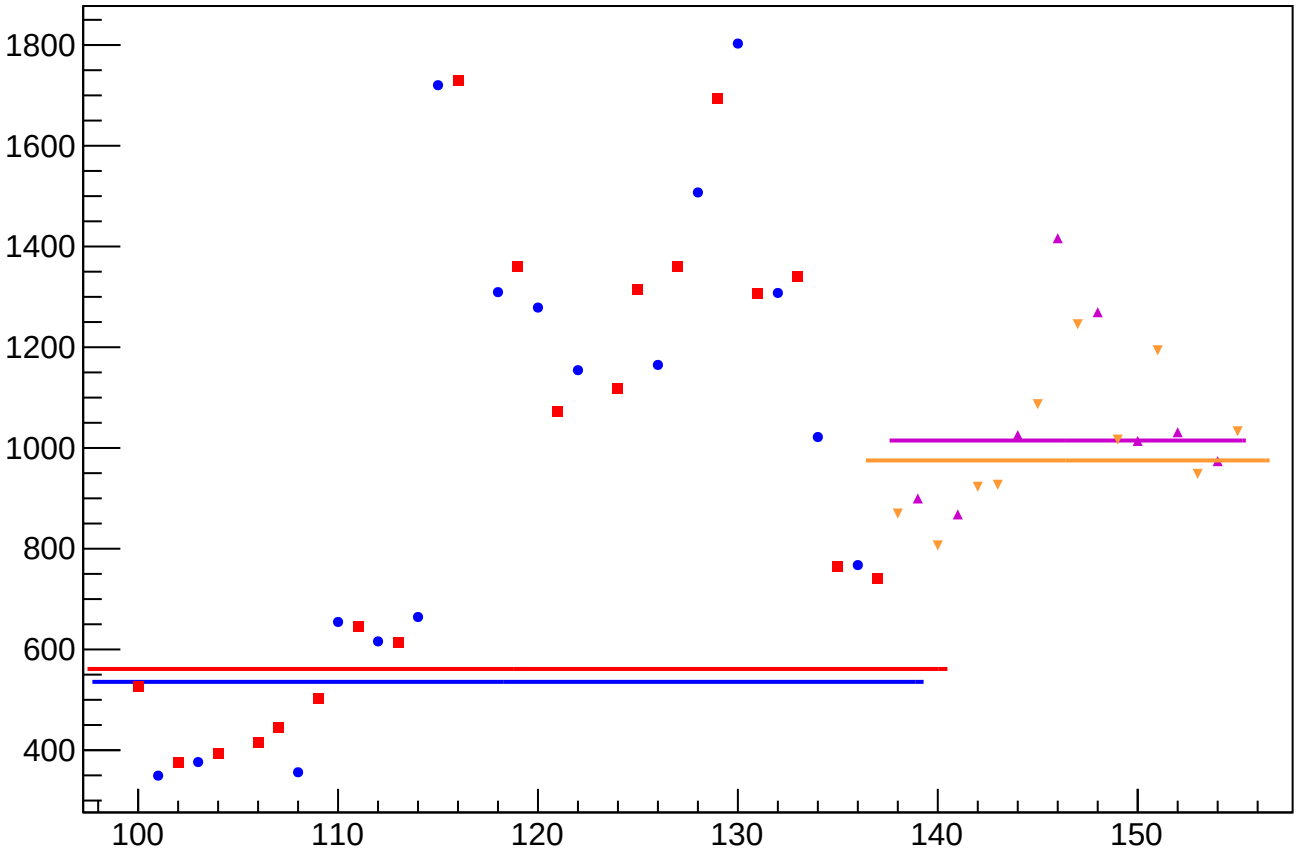
Left: 373.858+/-260.884 χ^2/NDF: 31.1/17

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 259.899+/-198.325 χ^2/NDF:31.0/23

Out: 218.592+/-194.185 χ^2/NDF:33.3/28

All: 238.810+/-138.750 χ^2/NDF: 64.3/52



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 975.223+/-0.249 χ^2/NDF:262525.7/9

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1014.798+/-0.275 χ^2/NDF:290596.8/7

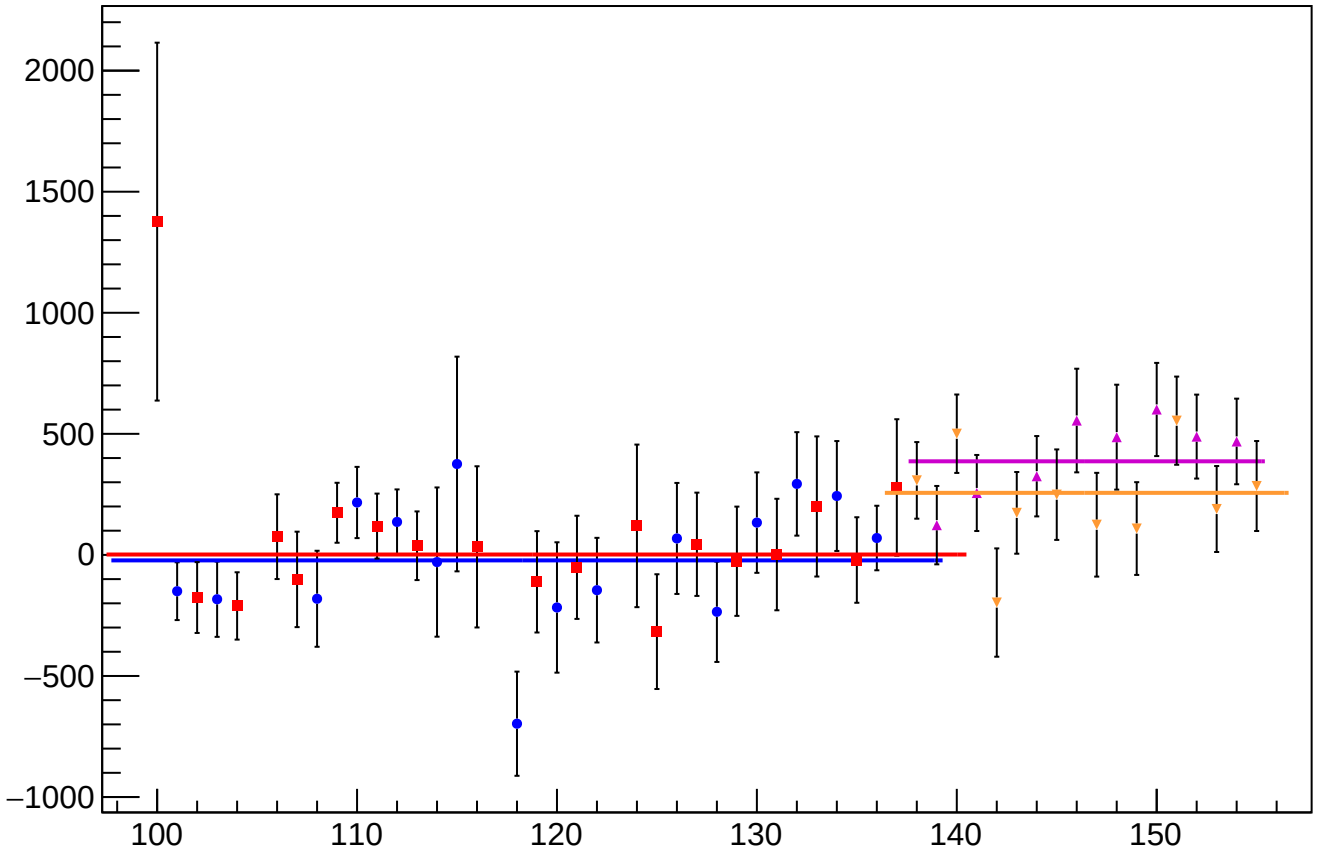
Left: 993.074+/-0.184 χ^2/NDF: 564518.1/17

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

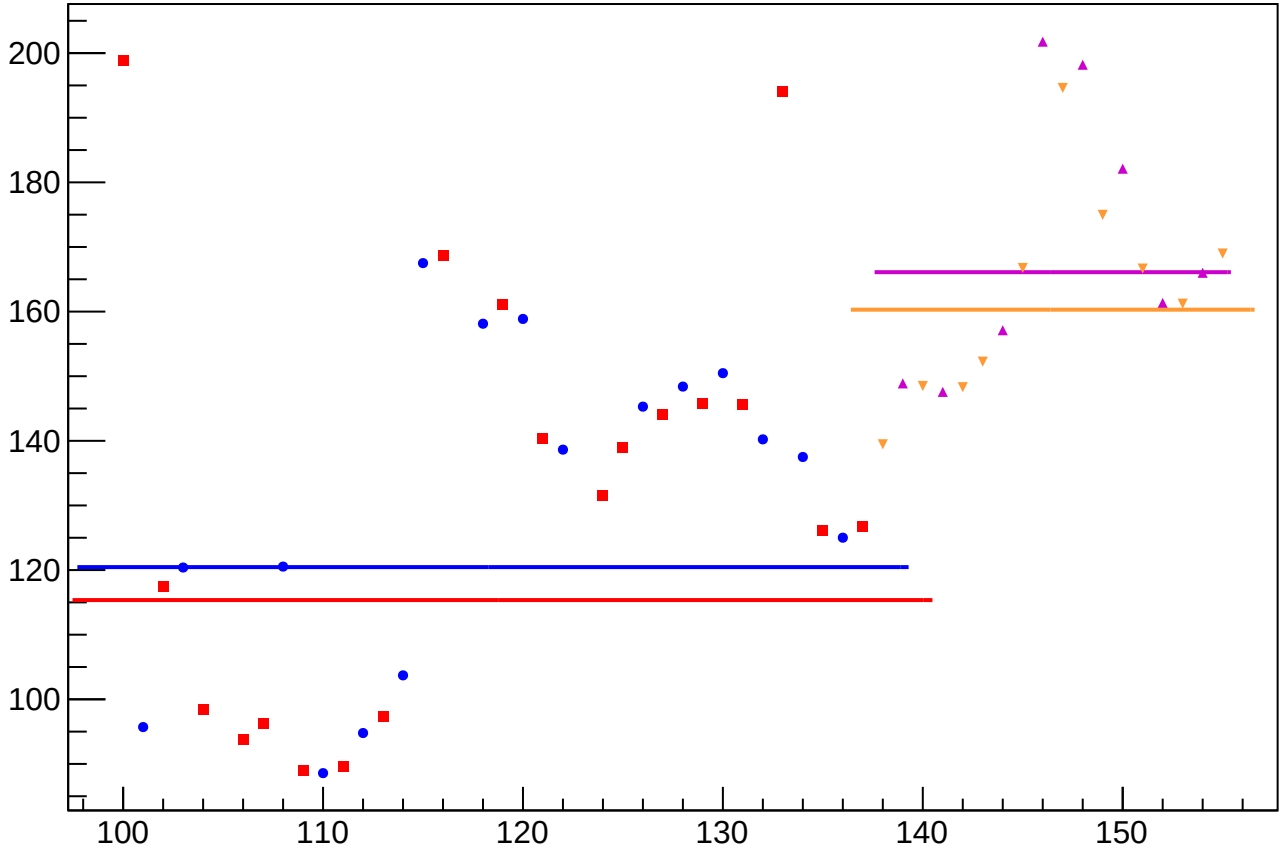
In: 660.565+/-0.140 χ^2/NDF:6172954.0/23

Out: 687.160+/-0.137 χ^2/NDF:5316728.9/28

All: 674.143+/-0.098 χ^2/NDF: 11508044.2/52


dit_asym_sam6_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: -22.678+/-45.908 χ²/NDF: 24.2/15
Left Out: 256.285+/-57.568 χ²/NDF:10.5/9
Right Out: 1.600+/-43.563 χ²/NDF: 14.3/18
Left In: 386.534+/-63.191 χ²/NDF:6.1/7
Left: 315.358+/-42.556 χ²/NDF: 19.0/17
Right: -9.903+/-31.600 χ²/NDF: 38.6/34
In: 118.690+/-37.141 χ²/NDF:57.7/23
Out: 94.336+/-34.738 χ²/NDF:37.3/28
All: 105.700+/-25.371 χ²/NDF: 95.3/52

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 160.298+/-0.041 χ^2/NDF:127918.6/9

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 166.099+/-0.045 χ^2/NDF:171128.5/7

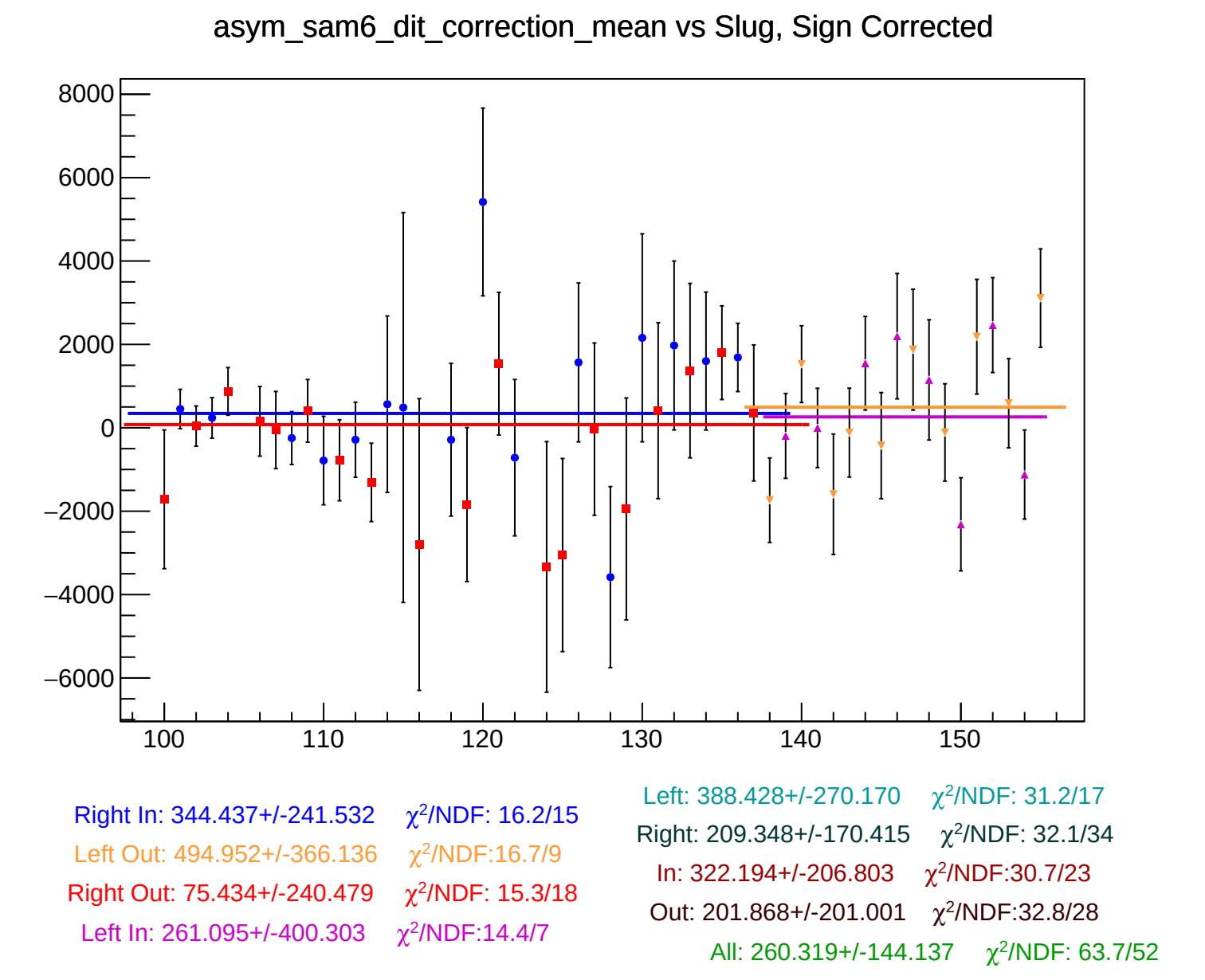
Left: 162.929+/-0.030 χ^2/NDF: 308259.4/17

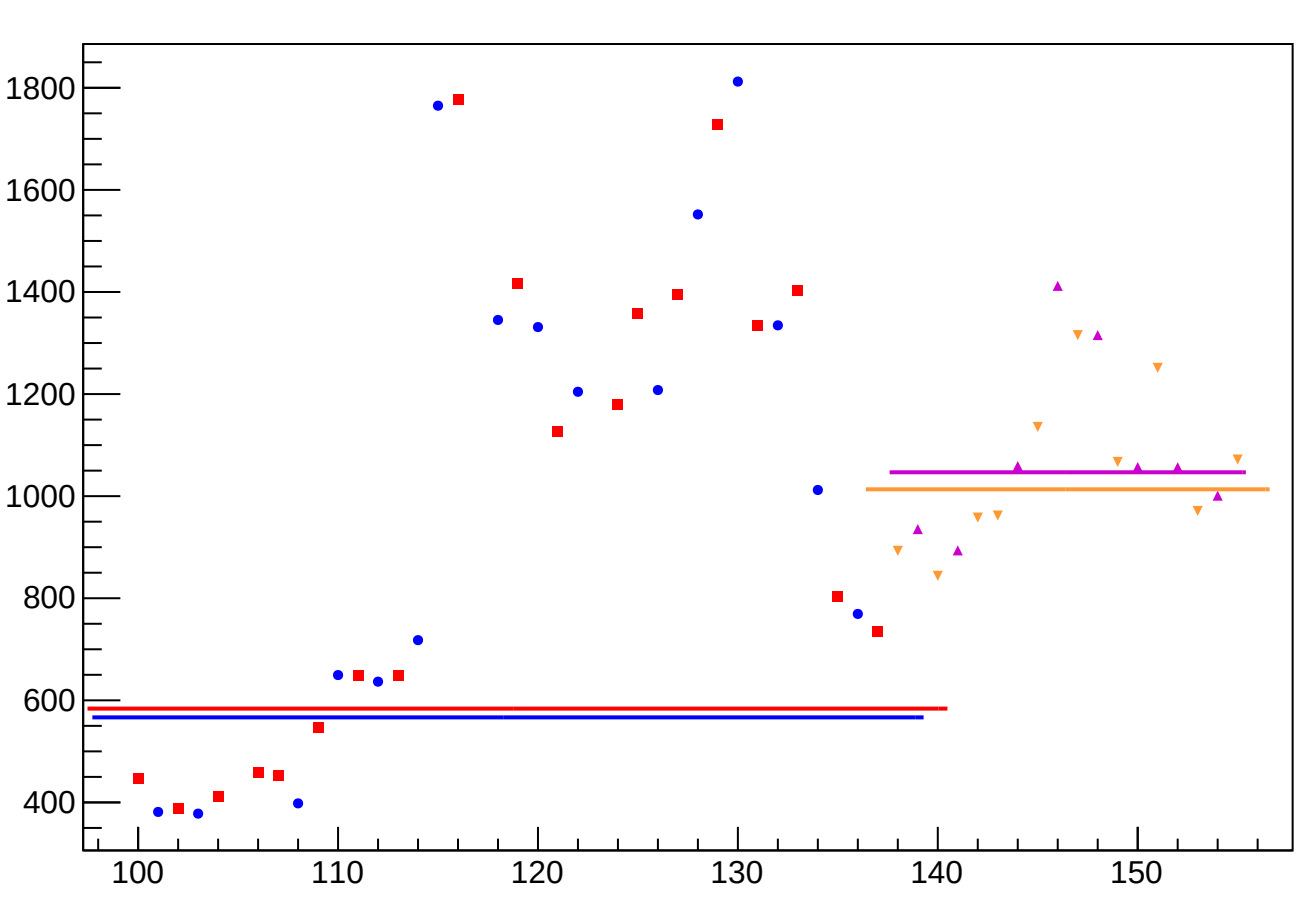
Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 136.226+/-0.026 χ^2/NDF:1384367.2/23

Out: 131.721+/-0.025 χ^2/NDF:1670190.7/28

All: 133.823+/-0.018 χ^2/NDF: 3070251.0/52


asym_sam6_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: 344.437+/-241.532 χ²/NDF: 16.2/15
Left Out: 494.952+/-366.136 χ²/NDF:16.7/9
Right Out: 75.434+/-240.479 χ²/NDF: 15.3/18
Left In: 261.095+/-400.303 χ²/NDF:14.4/7
Left: 388.428+/-270.170 χ²/NDF: 31.2/17
Right: 209.348+/-170.415 χ²/NDF: 32.1/34
In: 322.194+/-206.803 χ²/NDF:30.7/23
Out: 201.868+/-201.001 χ²/NDF:32.8/28
All: 260.319+/-144.137 χ²/NDF: 63.7/52



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1013.395+/-0.259 χ^2/NDF:281006.2/9

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1046.759+/-0.283 χ^2/NDF:267540.7/7

Left: 1028.592+/-0.191 χ^2/NDF: 556111.6/17

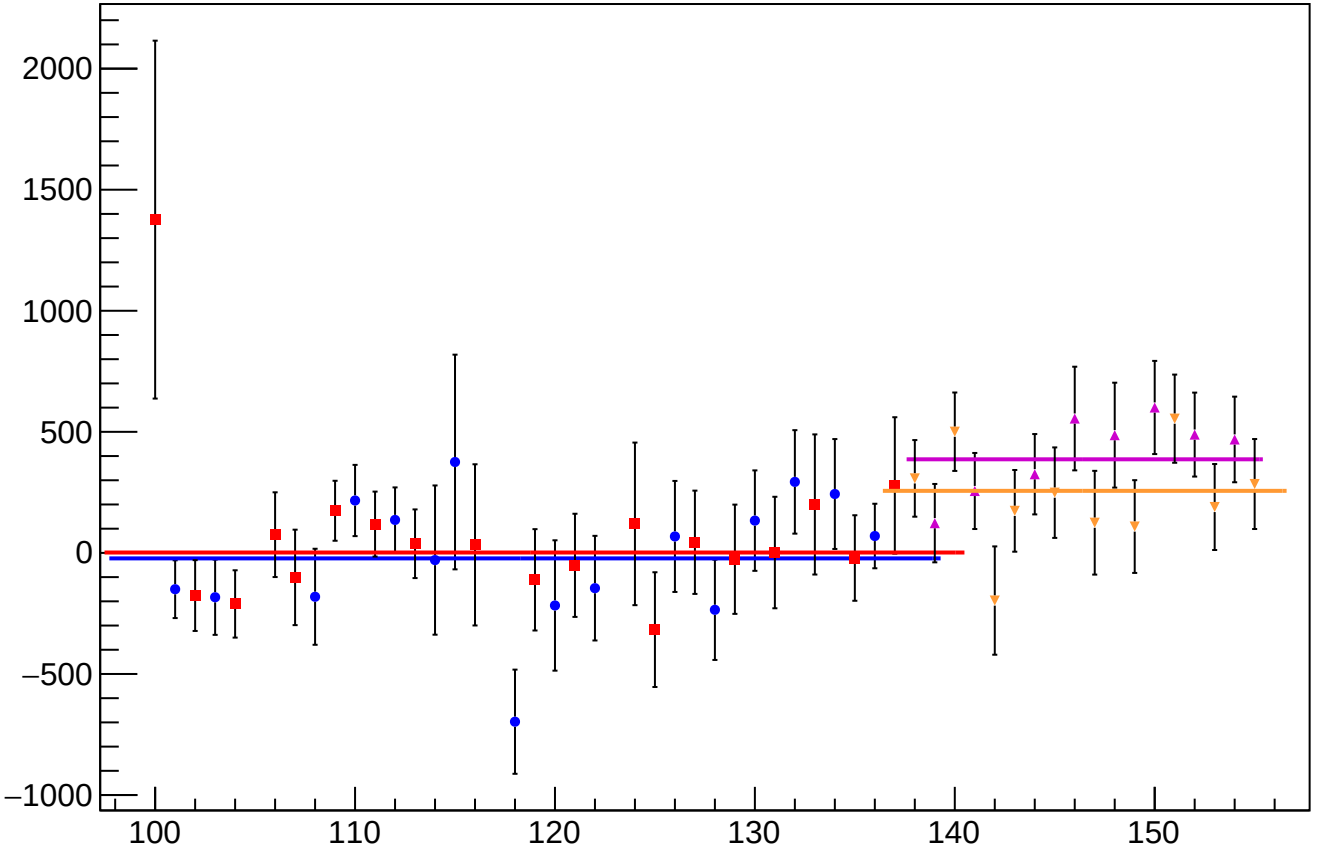
Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 694.753+/-0.146 χ^2/NDF:5809494.1/23

Out: 713.267+/-0.142 χ^2/NDF:5312135.4/28

All: 704.273+/-0.102 χ^2/NDF: 11129871.5/52

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 256.287+/-57.568 χ^2/NDF:10.5/9

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 386.533+/-63.191 χ^2/NDF:6.1/7

Left: 315.358+/-42.556 χ^2/NDF: 19.0/17

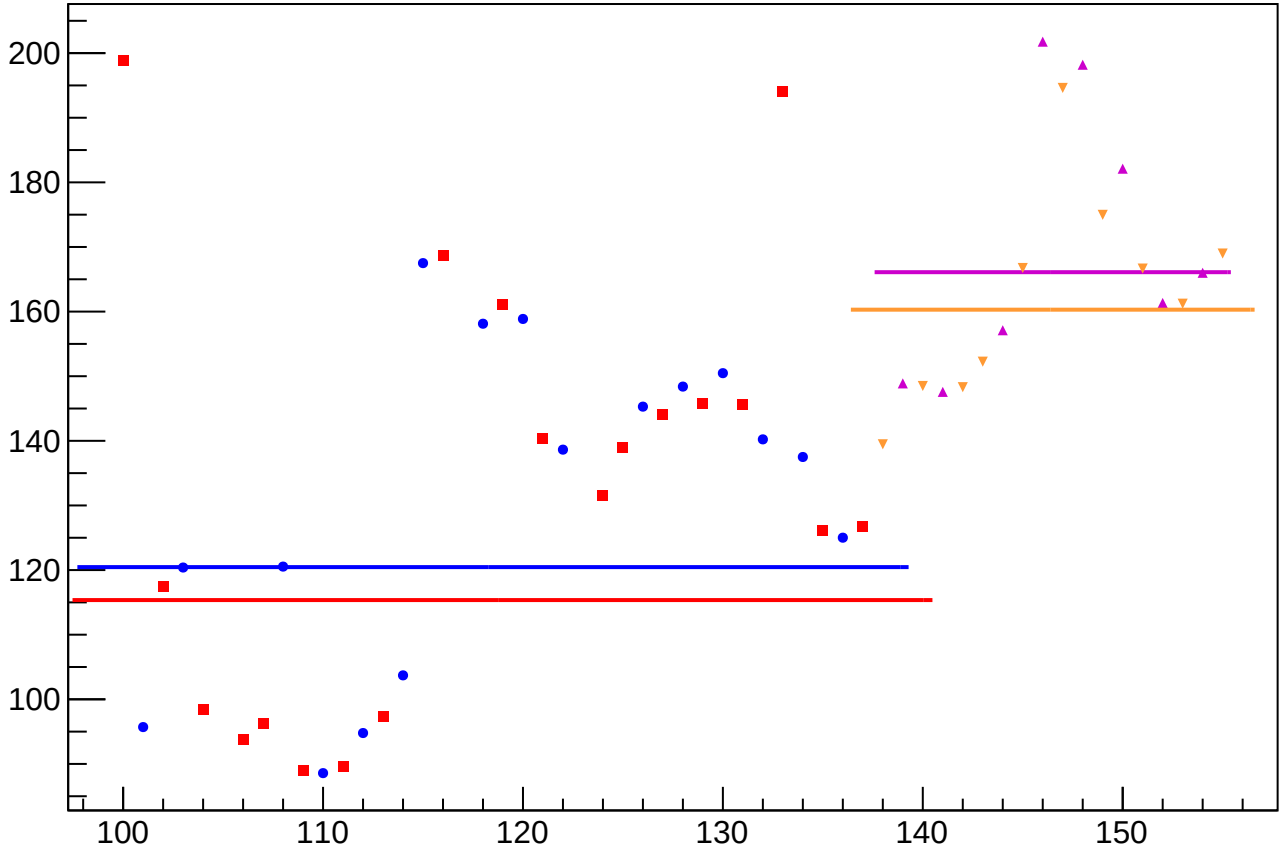
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 118.688+/-37.141 χ^2/NDF:57.7/23

Out: 94.338+/-34.738 χ^2/NDF:37.3/28

All: 105.700+/-25.371 χ^2/NDF: 95.3/52

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 160.298+/-0.041 χ^2/NDF:127917.8/9

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 166.099+/-0.045 χ^2/NDF:171128.6/7

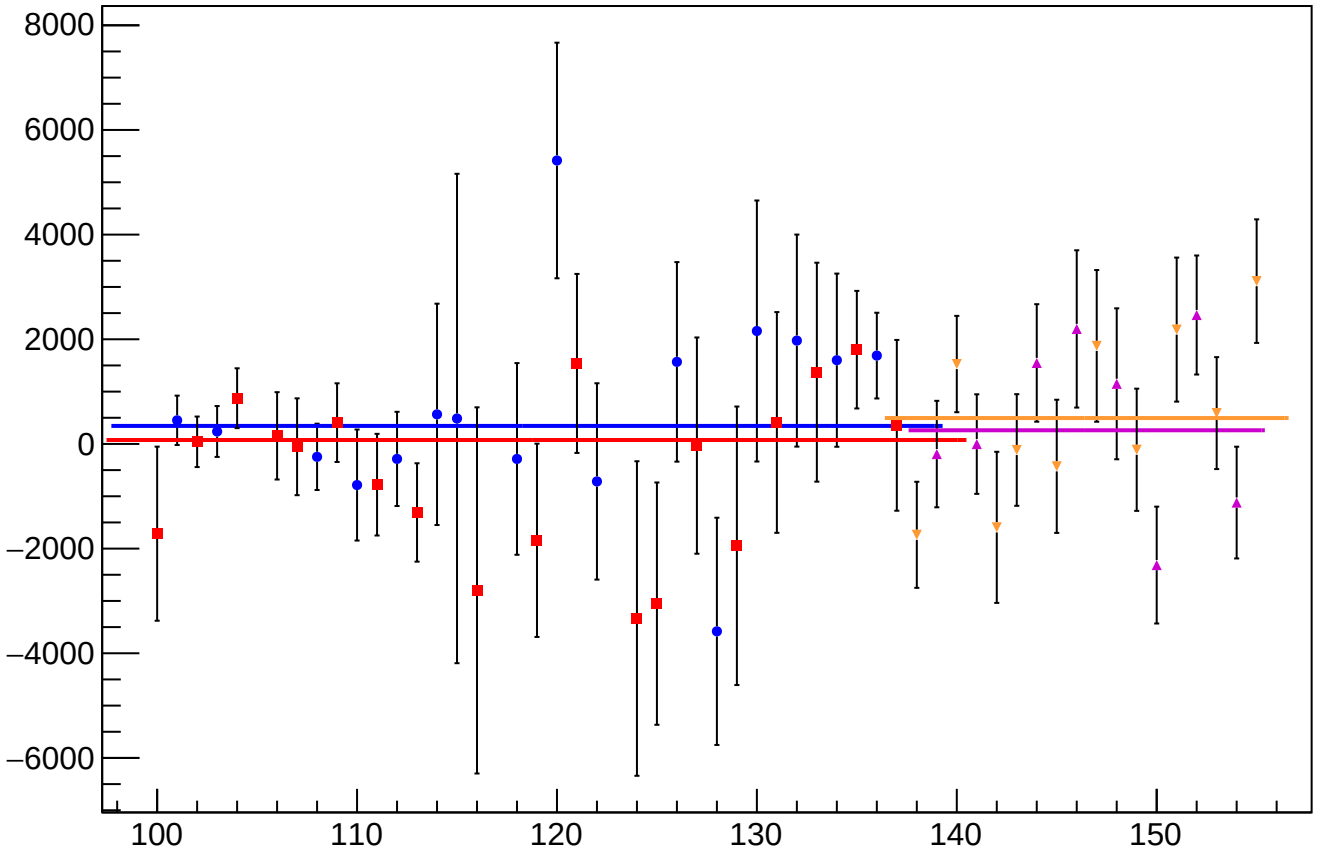
Left: 162.929+/-0.030 χ^2/NDF: 308258.9/17

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 136.225+/-0.026 χ^2/NDF:1384375.8/23

Out: 131.721+/-0.025 χ^2/NDF:1670190.8/28

All: 133.823+/-0.018 χ^2/NDF: 3070259.5/52



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 494.952+/-366.135 χ^2/NDF:16.7/9

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 261.094+/-400.303 χ^2/NDF:14.4/7

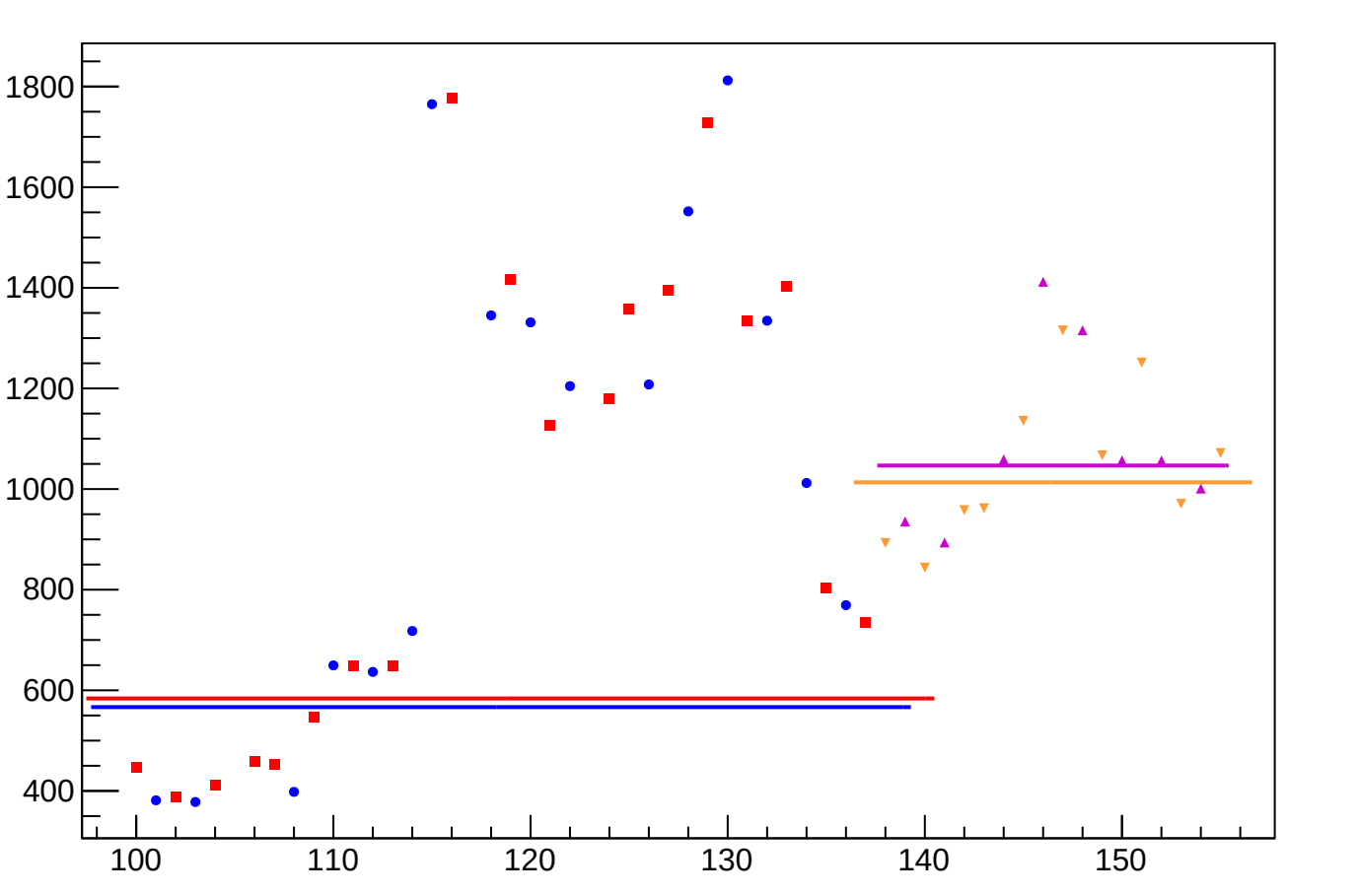
Left: 388.428+/-270.170 χ^2/NDF: 31.2/17

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 322.193+/-206.803 χ^2/NDF:30.7/23

Out: 201.869+/-201.001 χ^2/NDF:32.8/28

All: 260.319+/-144.137 χ^2/NDF: 63.7/52



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1013.395+/-0.259 χ^2/NDF:281006.7/9

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1046.759+/-0.283 χ^2/NDF:267540.8/7

Left: 1028.592+/-0.191 χ^2/NDF: 556112.3/17

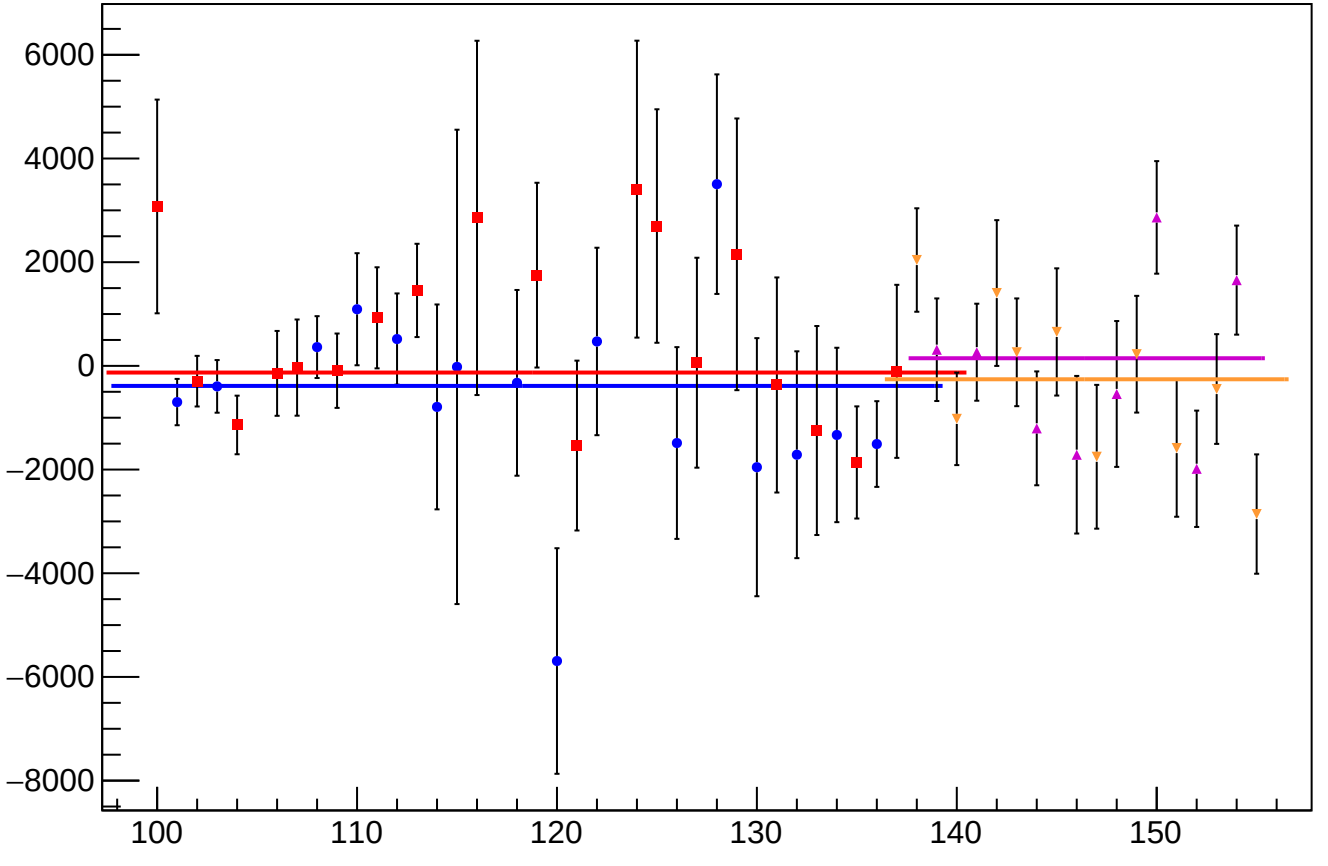
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 694.753+/-0.146 χ^2/NDF:5809505.9/23

Out: 713.266+/-0.142 χ^2/NDF:5312139.1/28

All: 704.273+/-0.102 χ^2/NDF: 11129887.2/52

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -258.556+/-356.156 χ^2/NDF:15.7/9

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 147.245+/-392.903 χ^2/NDF:15.2/7

Left: -75.516+/-263.878 χ^2/NDF: 31.5/17

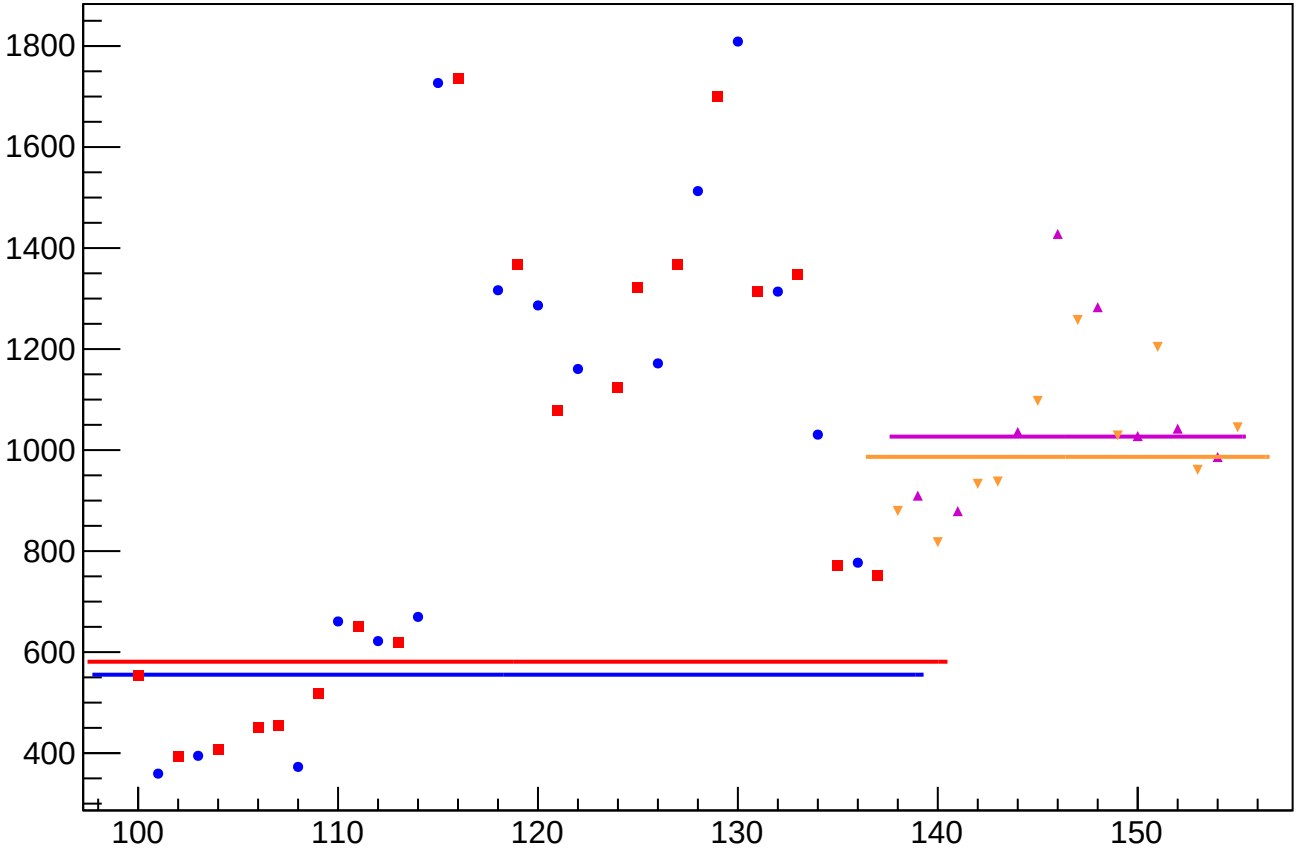
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -243.660+/-203.268 χ^2/NDF:34.5/23

Out: -168.762+/-198.022 χ^2/NDF:35.2/28

All: -205.232+/-141.841 χ^2/NDF: 69.8/52

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 986.629+/-0.252 χ^2/NDF:257918.9/9

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1026.706+/-0.278 χ^2/NDF:286942.4/7

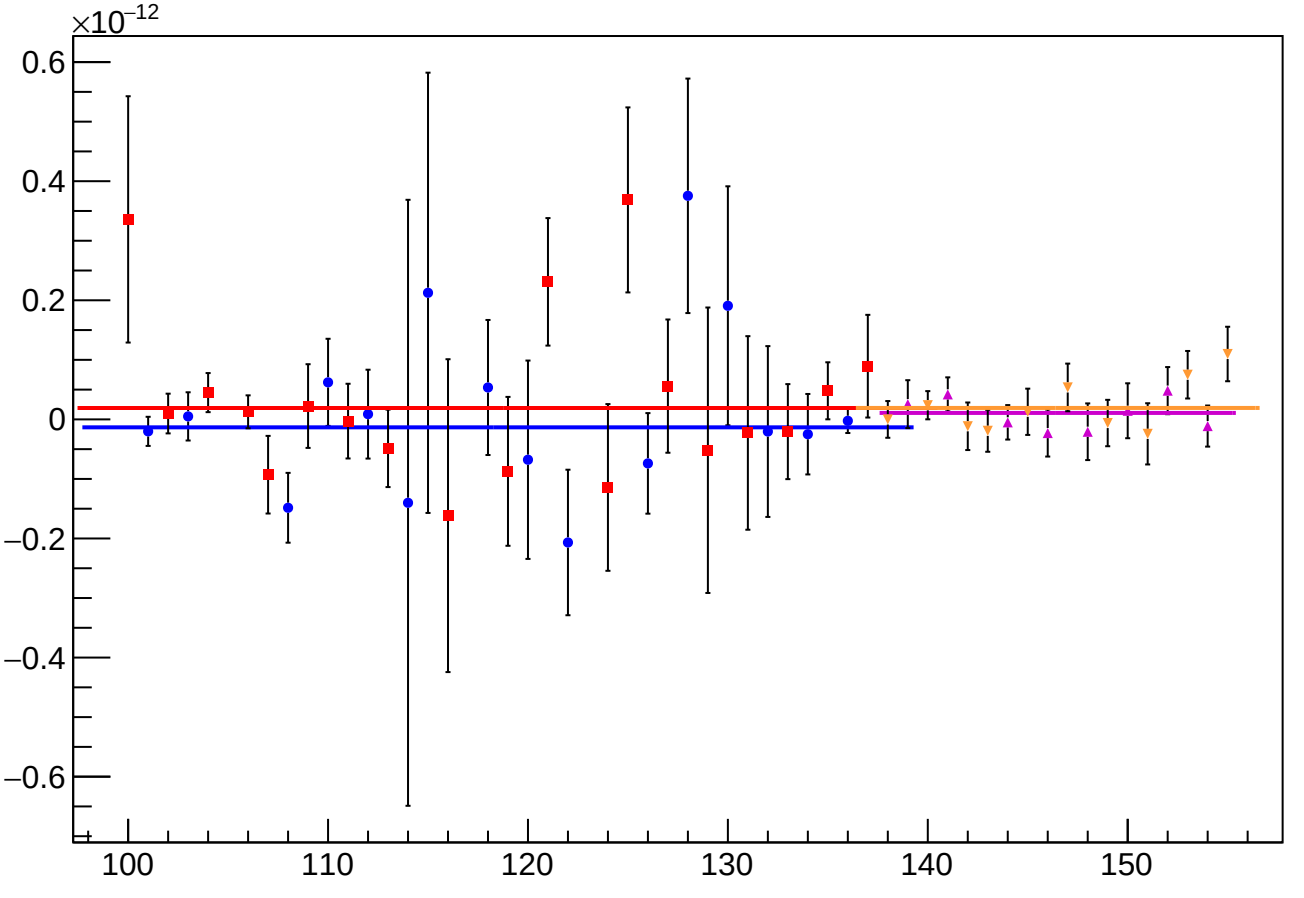
Left: 1004.706+/-0.187 χ^2/NDF: 556284.3/17

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 681.466+/-0.144 χ^2/NDF:5878020.9/23

Out: 706.390+/-0.140 χ^2/NDF:5033775.9/28

All: 694.254+/-0.100 χ^2/NDF: 10927225.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.1/7

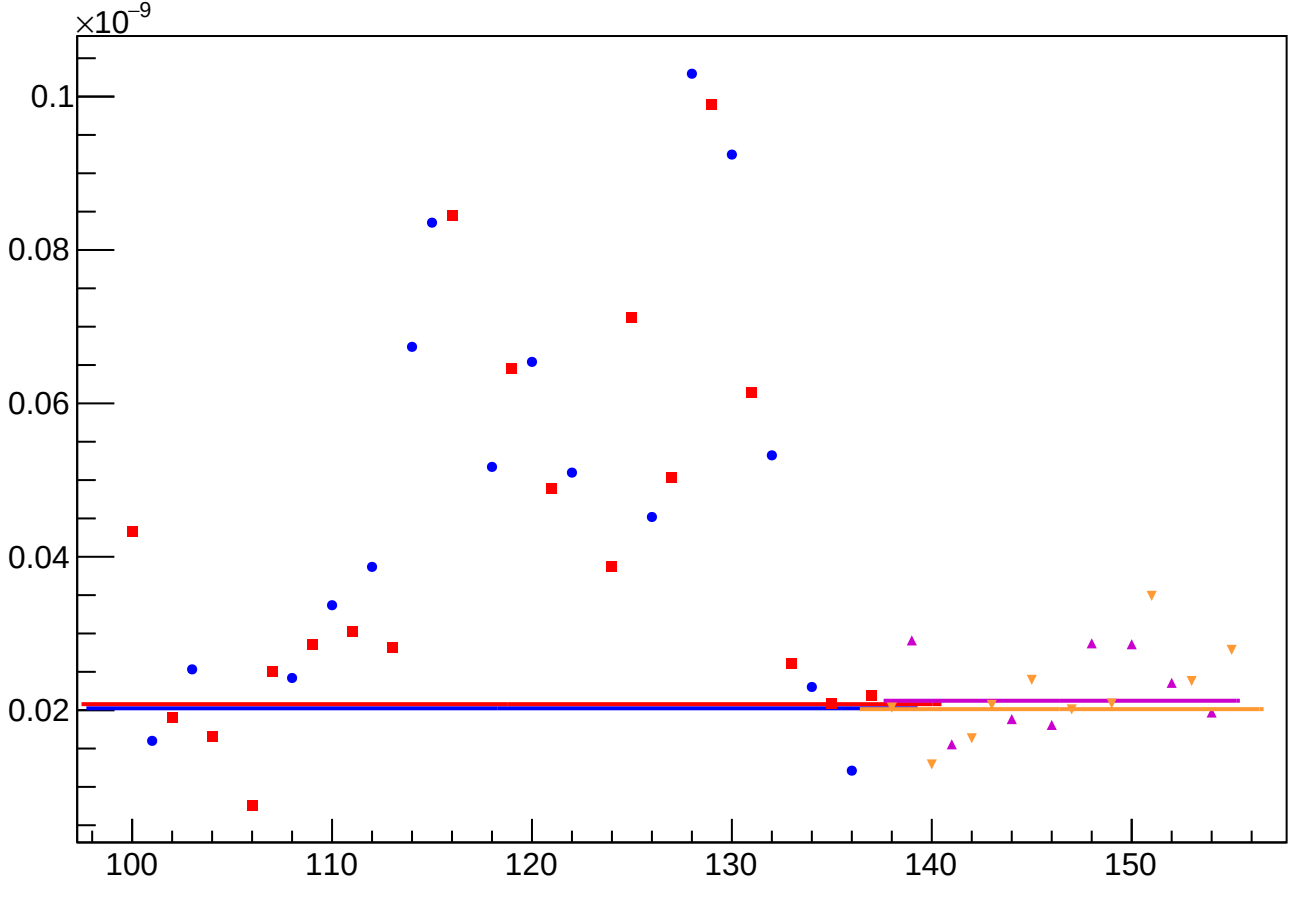
Left: 0.000+/-0.000 χ^2/NDF: 14.3/17

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: -0.000+/-0.000 χ^2/NDF:21.8/23

Out: 0.000+/-0.000 χ^2/NDF:29.9/28

All: 0.000+/-0.000 χ^2/NDF: 54.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:463279.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:293417.8/7

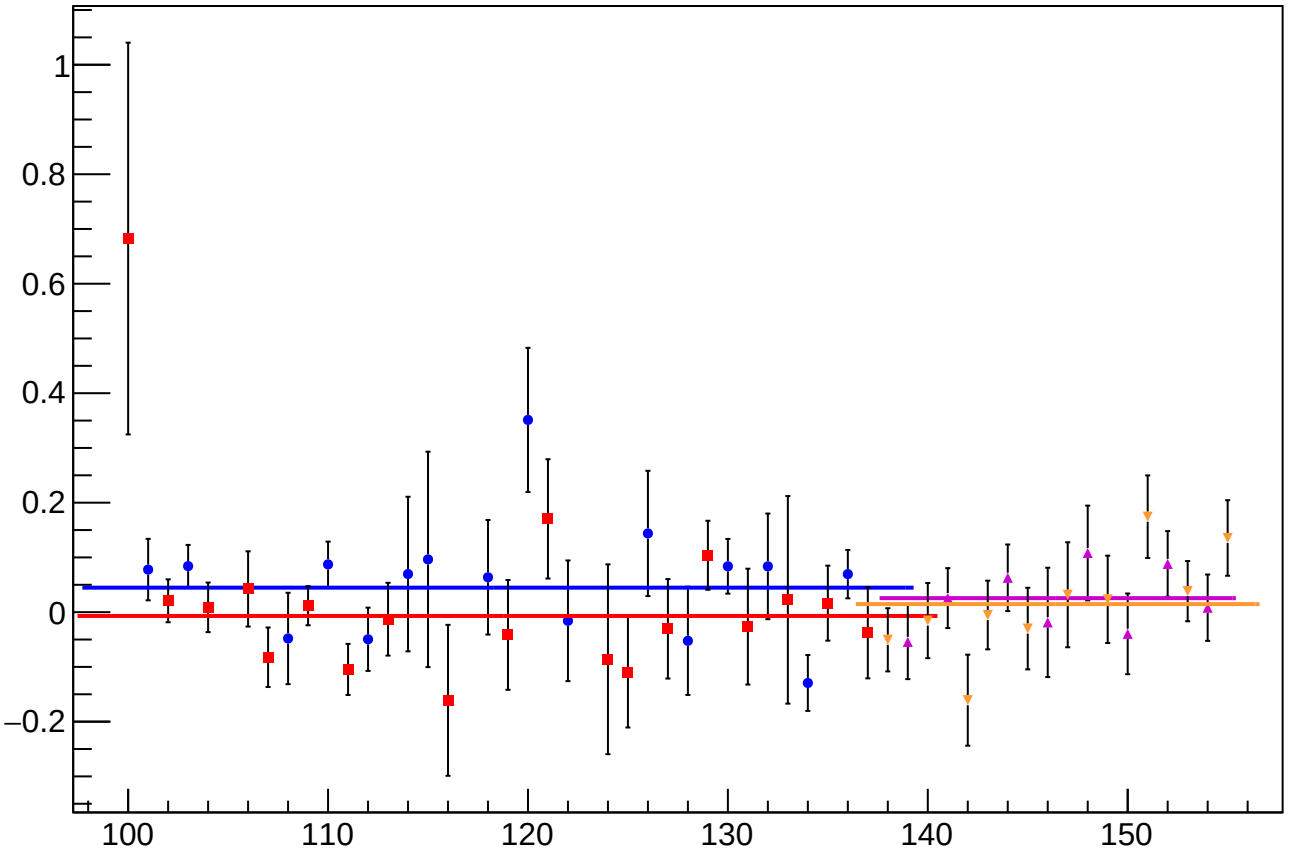
Left: 0.000+/-0.000 χ^2/NDF: 764845.6/17

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2303955.0/23

Out: 0.000+/-0.000 χ^2/NDF:2321787.8/28

All: 0.000+/-0.000 χ^2/NDF: 4627218.7/52



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.015+/-0.022 χ^2/NDF:14.2/9

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.026+/-0.024 χ^2/NDF:4.8/7

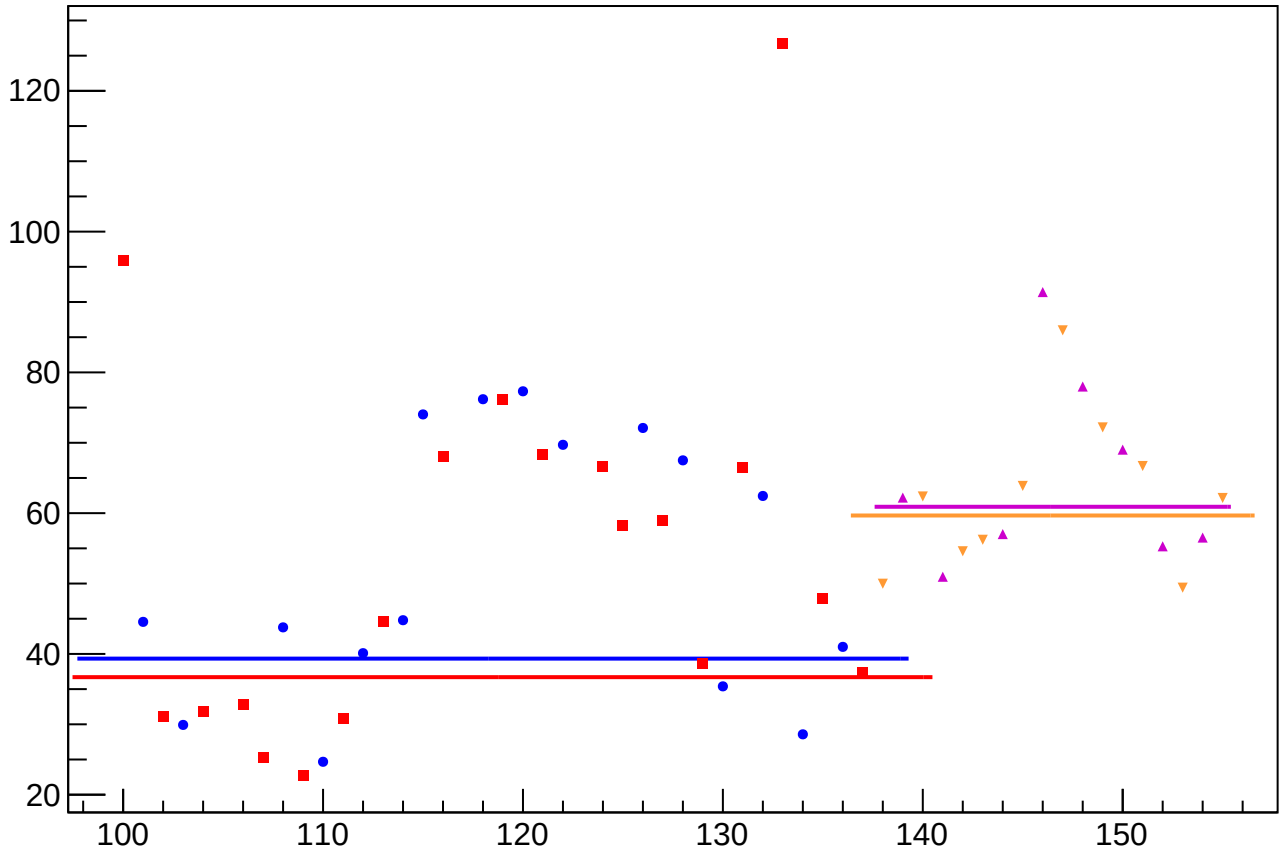
Left: 0.020+/-0.016 χ^2/NDF: 19.1/17

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.013 χ^2/NDF:31.9/23

Out: 0.000+/-0.012 χ^2/NDF:35.0/28

All: 0.018+/-0.009 χ^2/NDF: 71.4/52



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.669+/-0.016 χ^2/NDF:368709.9/9

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 60.908+/-0.017 χ^2/NDF:391577.2/7

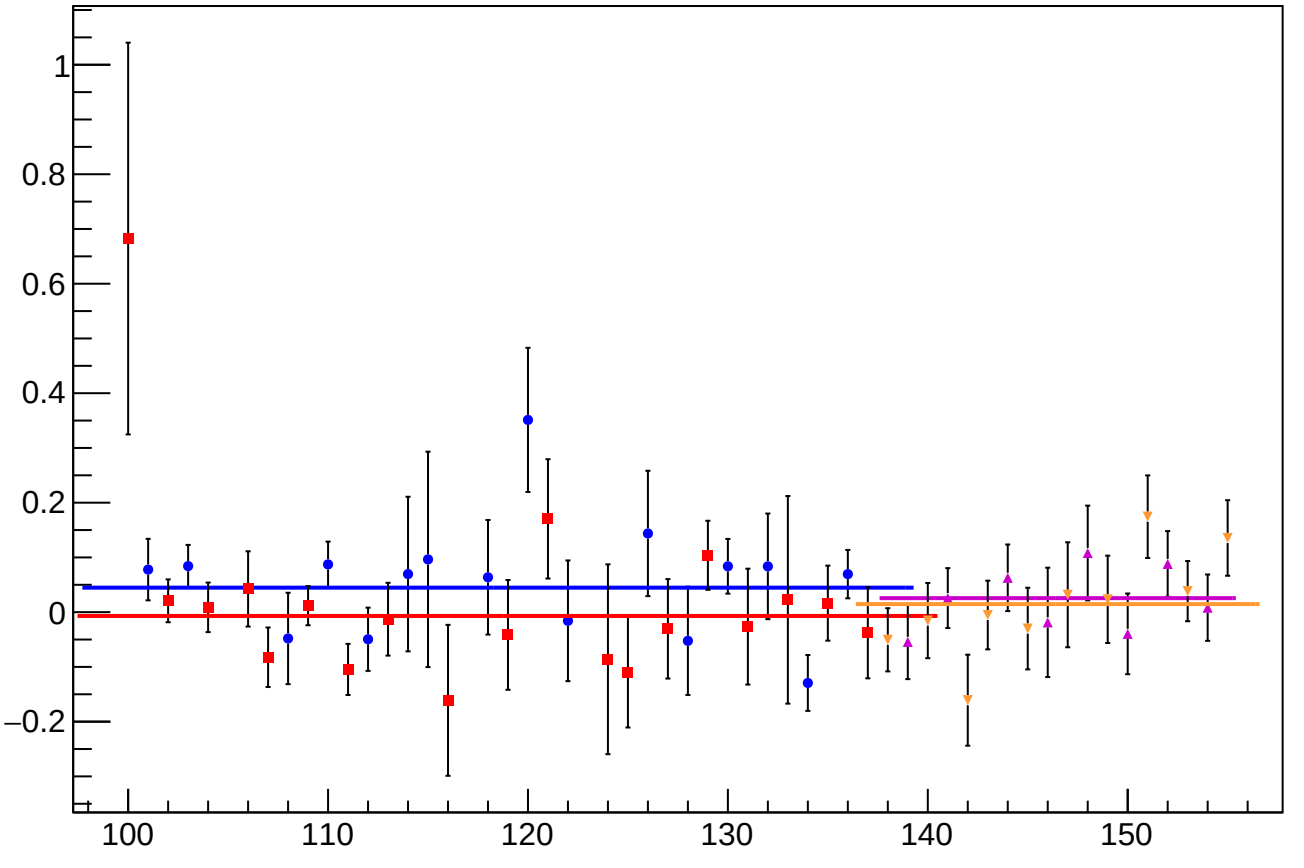
Left: 60.242+/-0.011 χ^2/NDF: 763234.5/17

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 46.121+/-0.009 χ^2/NDF:3098767.3/23

Out: 44.080+/-0.009 χ^2/NDF:3950264.4/28

All: 45.036+/-0.006 χ^2/NDF: 7074206.6/52



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.015+/-0.022 χ^2/NDF:14.2/9

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.026+/-0.024 χ^2/NDF:4.8/7

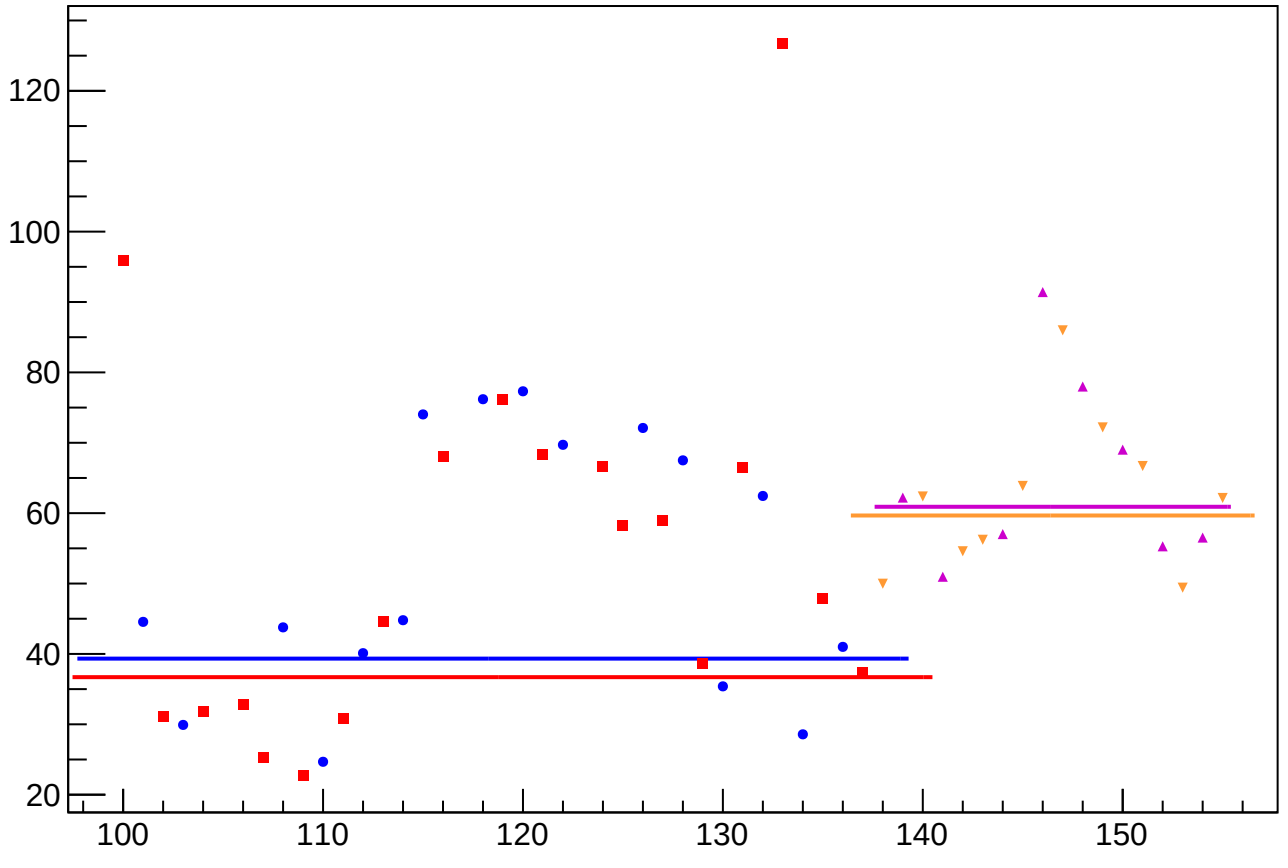
Left: 0.020+/-0.016 χ^2/NDF: 19.1/17

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.013 χ^2/NDF:31.9/23

Out: 0.000+/-0.012 χ^2/NDF:35.0/28

All: 0.018+/-0.009 χ^2/NDF: 71.4/52



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.669+/-0.016 χ^2/NDF:368709.9/9

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 60.908+/-0.017 χ^2/NDF:391577.2/7

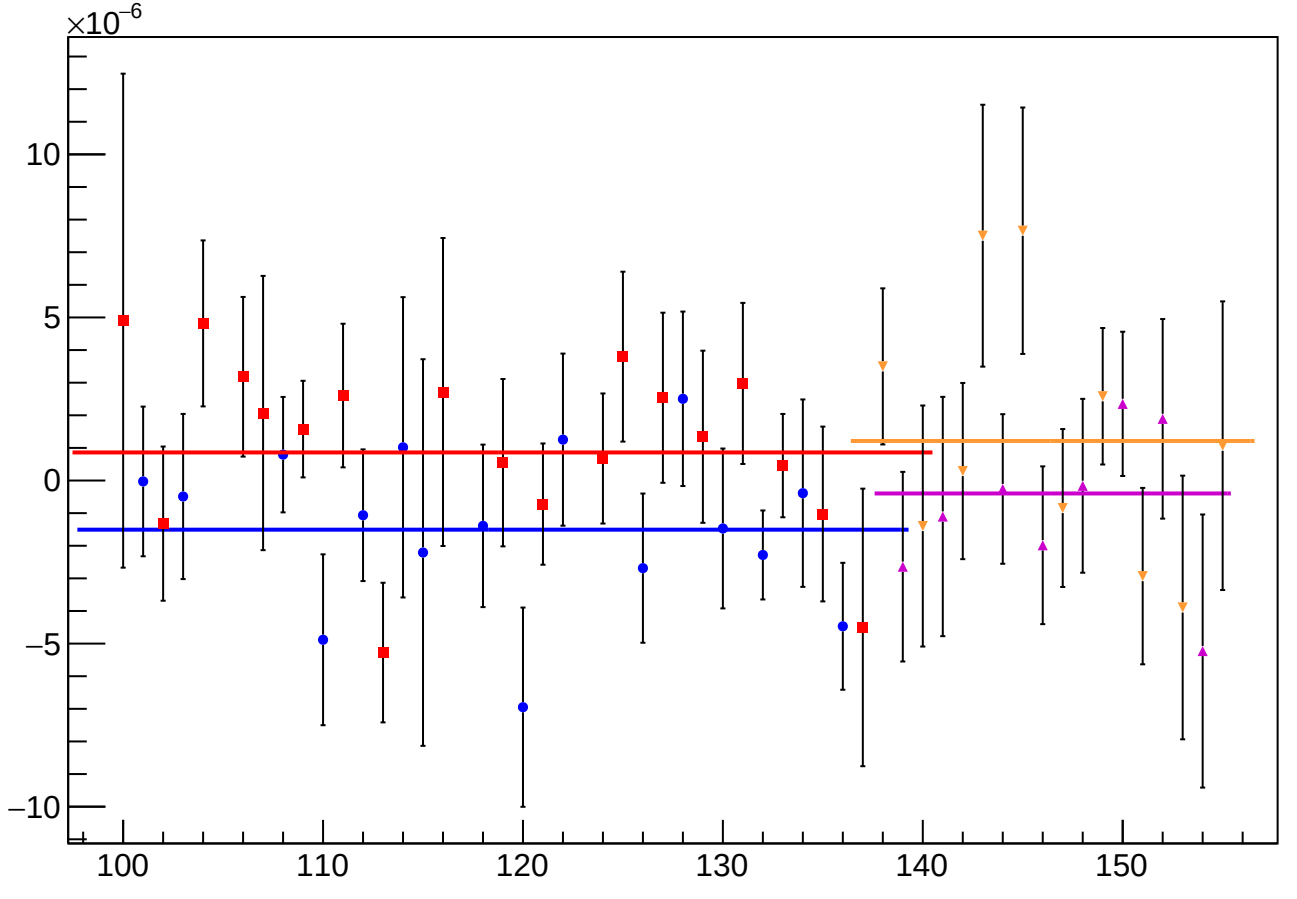
Left: 60.242+/-0.011 χ^2/NDF: 763234.5/17

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 46.121+/-0.009 χ^2/NDF:3098767.3/23

Out: 44.080+/-0.009 χ^2/NDF:3950264.4/28

All: 45.036+/-0.006 χ^2/NDF: 7074206.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/7

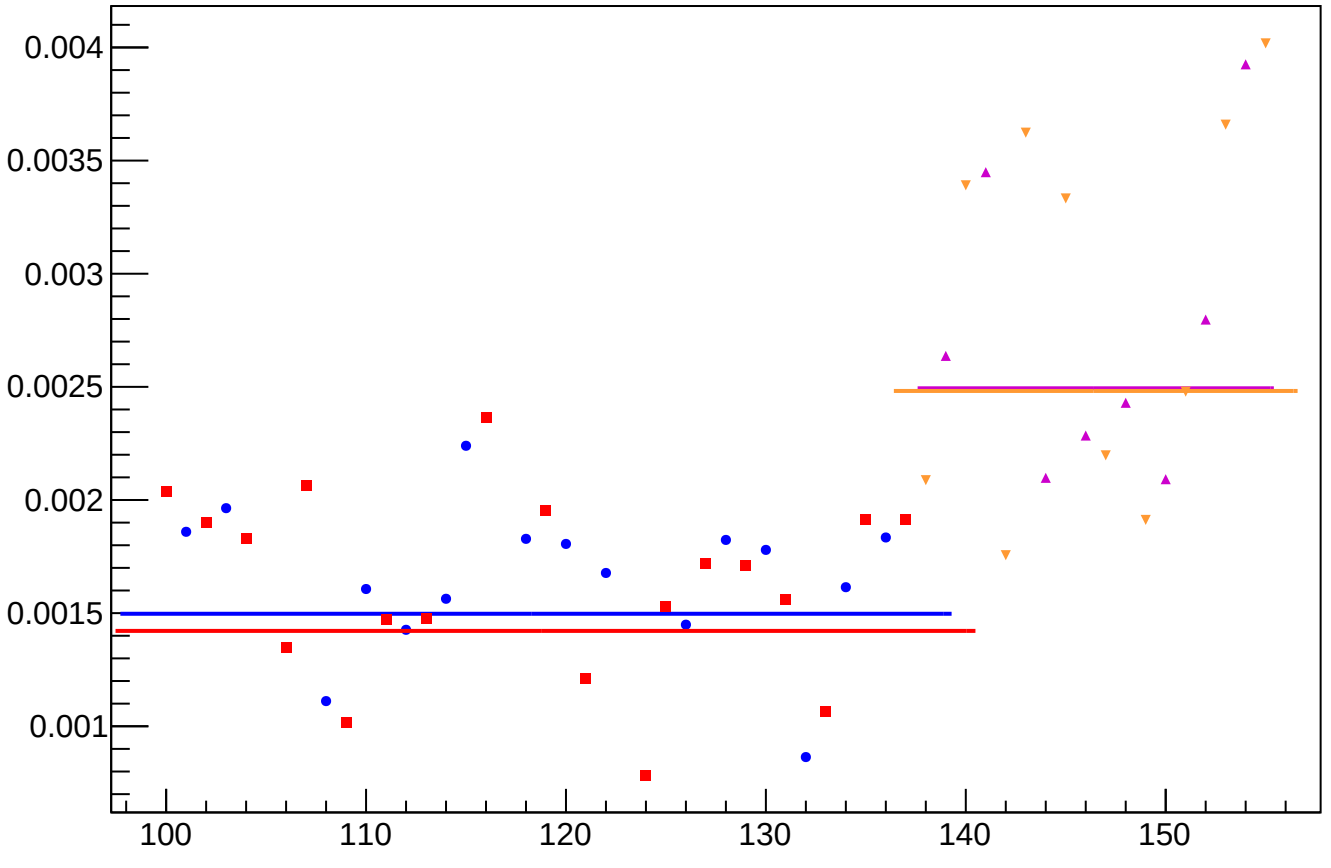
Left: 0.000+/-0.000 χ^2/NDF: 17.9/17

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:19.3/23

Out: 0.000+/-0.000 χ^2/NDF:31.2/28

All: -0.000+/-0.000 χ^2/NDF: 60.6/52



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1169437.0/9

Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.002+/-0.000 χ^2/NDF:535654.7/7

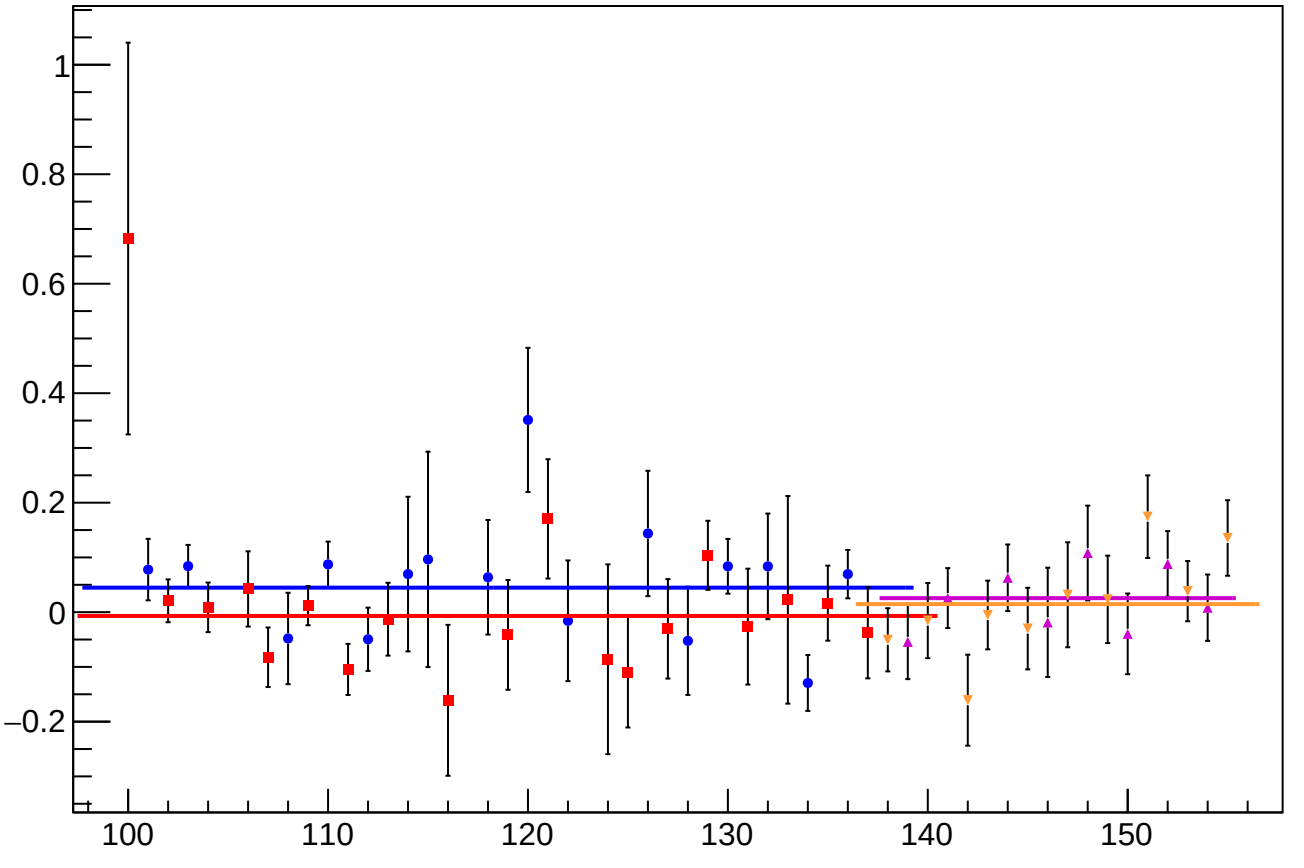
Left: 0.002+/-0.000 χ^2/NDF: 1705244.8/17

Right: 0.001+/-0.000 χ^2/NDF: 1883510.3/34

In: 0.002+/-0.000 χ^2/NDF:2956536.1/23

Out: 0.002+/-0.000 χ^2/NDF:4117087.7/28

All: 0.002+/-0.000 χ^2/NDF: 7093040.5/52



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.015+/-0.022 χ^2/NDF:14.2/9

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.026+/-0.024 χ^2/NDF:4.8/7

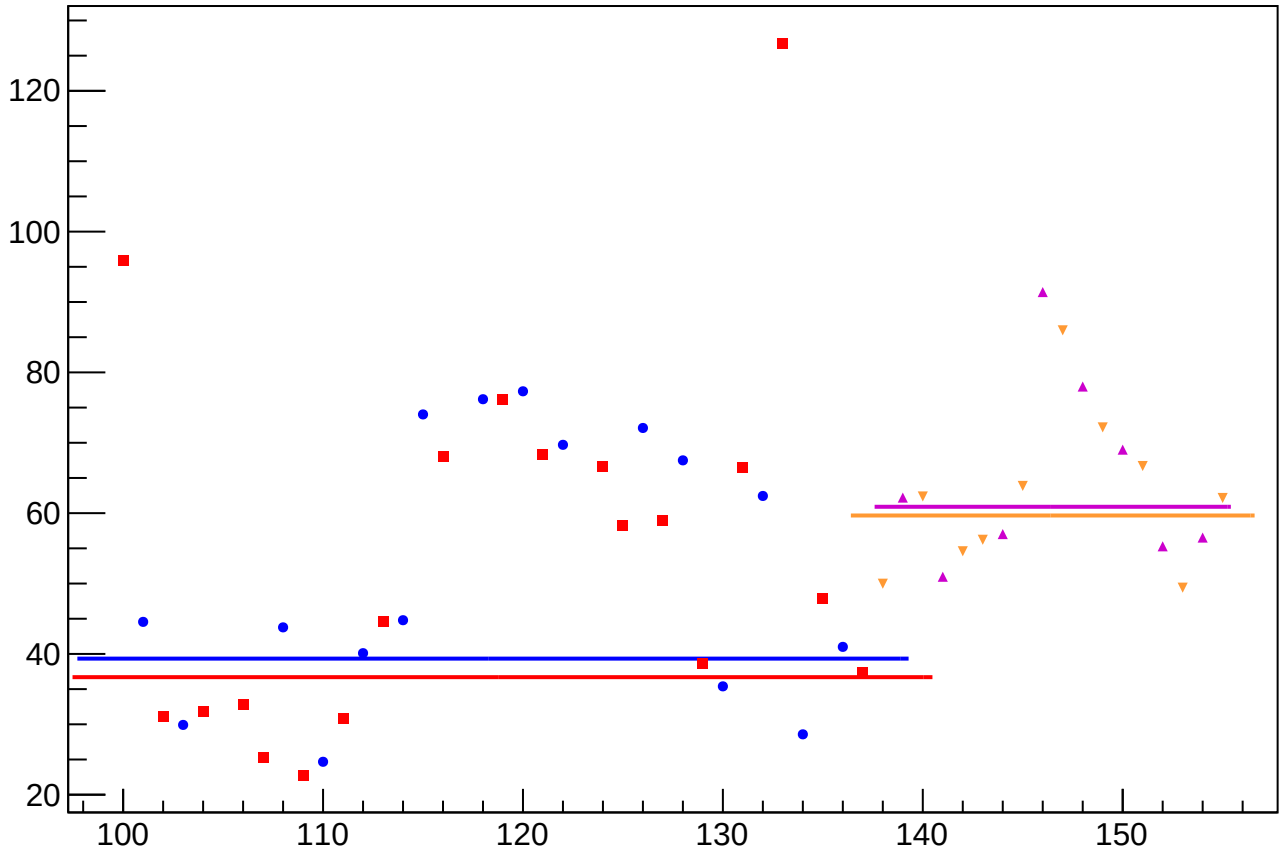
Left: 0.020+/-0.016 χ^2/NDF: 19.1/17

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.013 χ^2/NDF:31.9/23

Out: 0.000+/-0.012 χ^2/NDF:35.0/28

All: 0.018+/-0.009 χ^2/NDF: 71.4/52



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 59.668+/-0.016 χ^2/NDF:368696.1/9

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 60.907+/-0.017 χ^2/NDF:391583.1/7

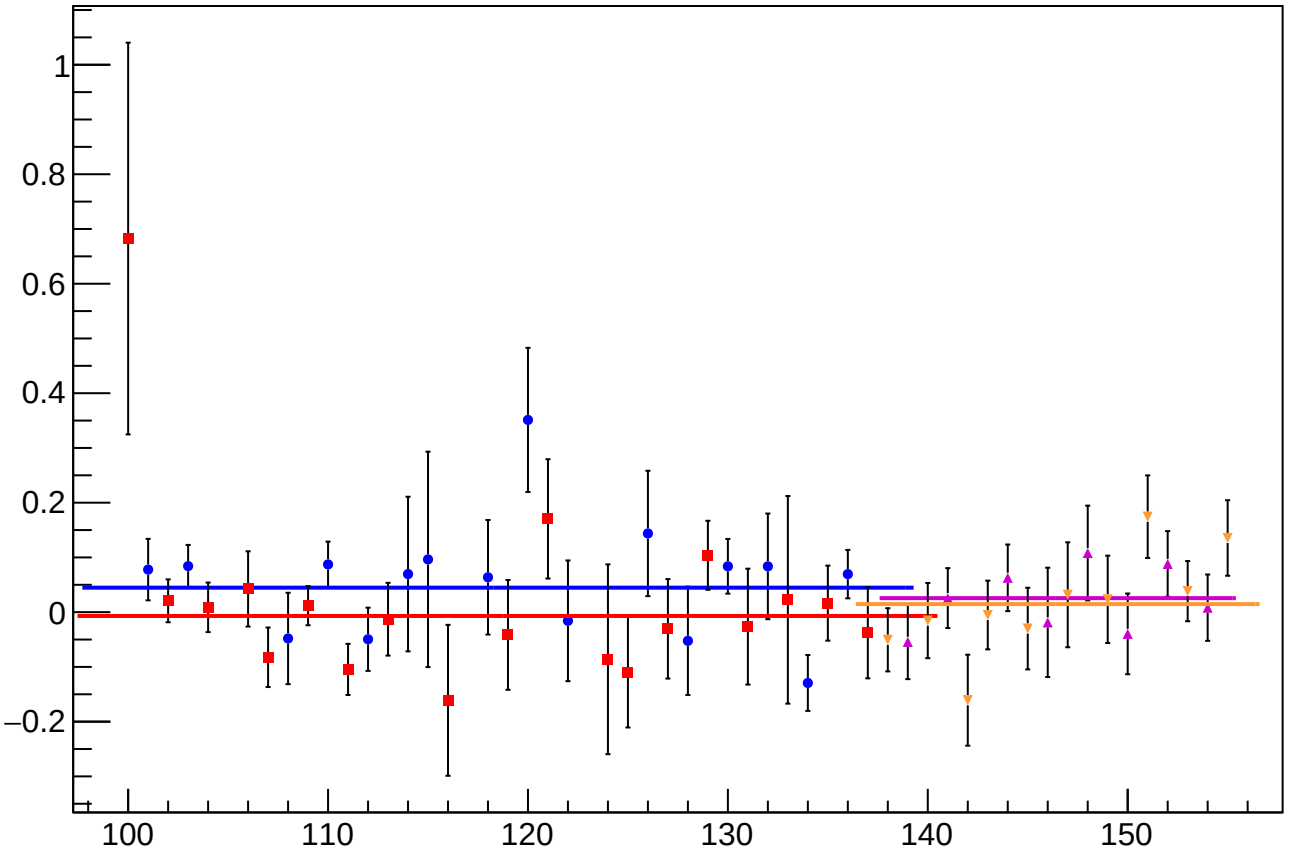
Left: 60.242+/-0.011 χ^2/NDF: 763226.4/17

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 46.120+/-0.009 χ^2/NDF:3098815.5/23

Out: 44.080+/-0.009 χ^2/NDF:3950236.0/28

All: 45.035+/-0.006 χ^2/NDF: 7074220.8/52



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.015+/-0.022 χ^2/NDF:14.2/9

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.026+/-0.024 χ^2/NDF:4.8/7

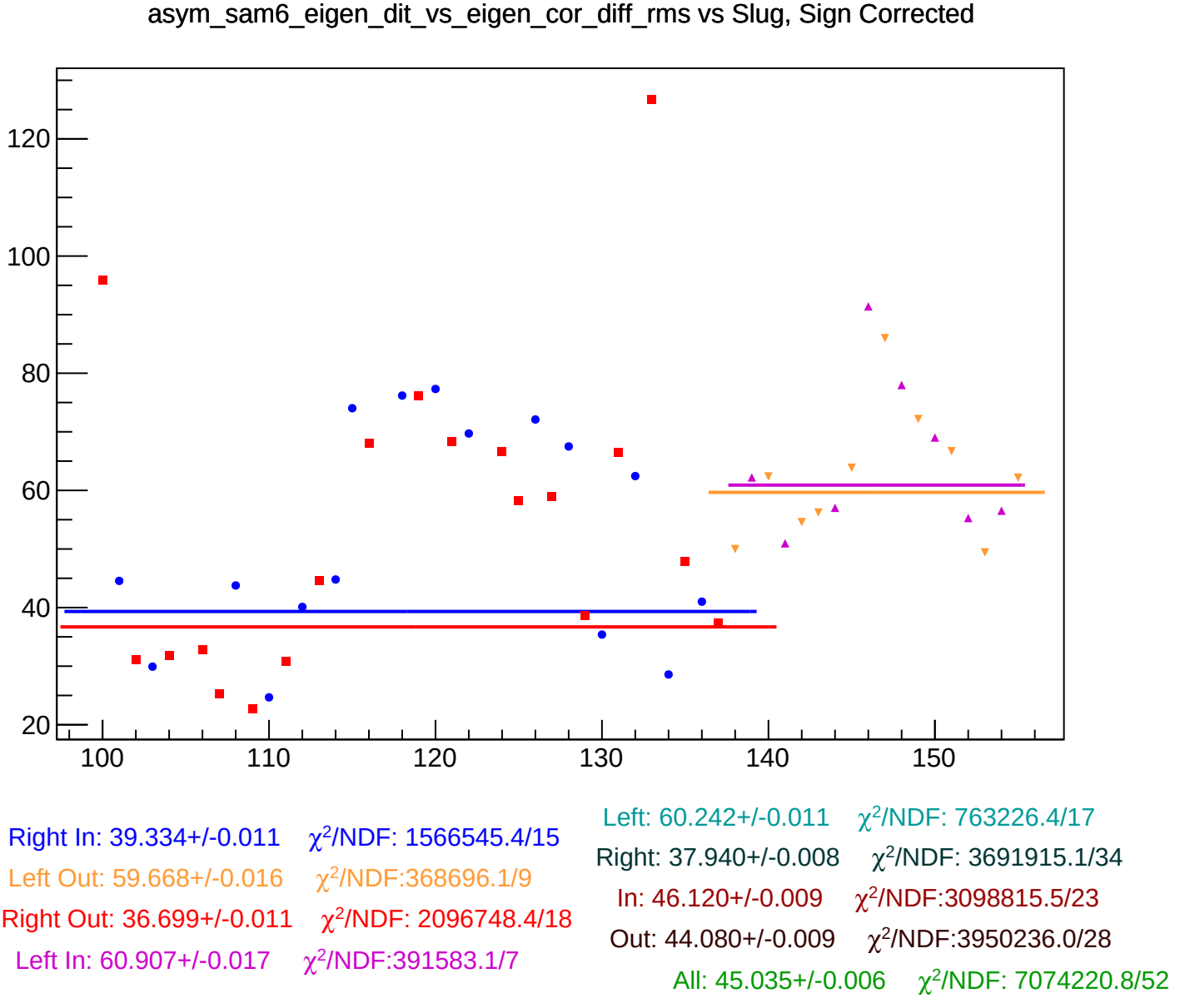
Left: 0.020+/-0.016 χ^2/NDF: 19.1/17

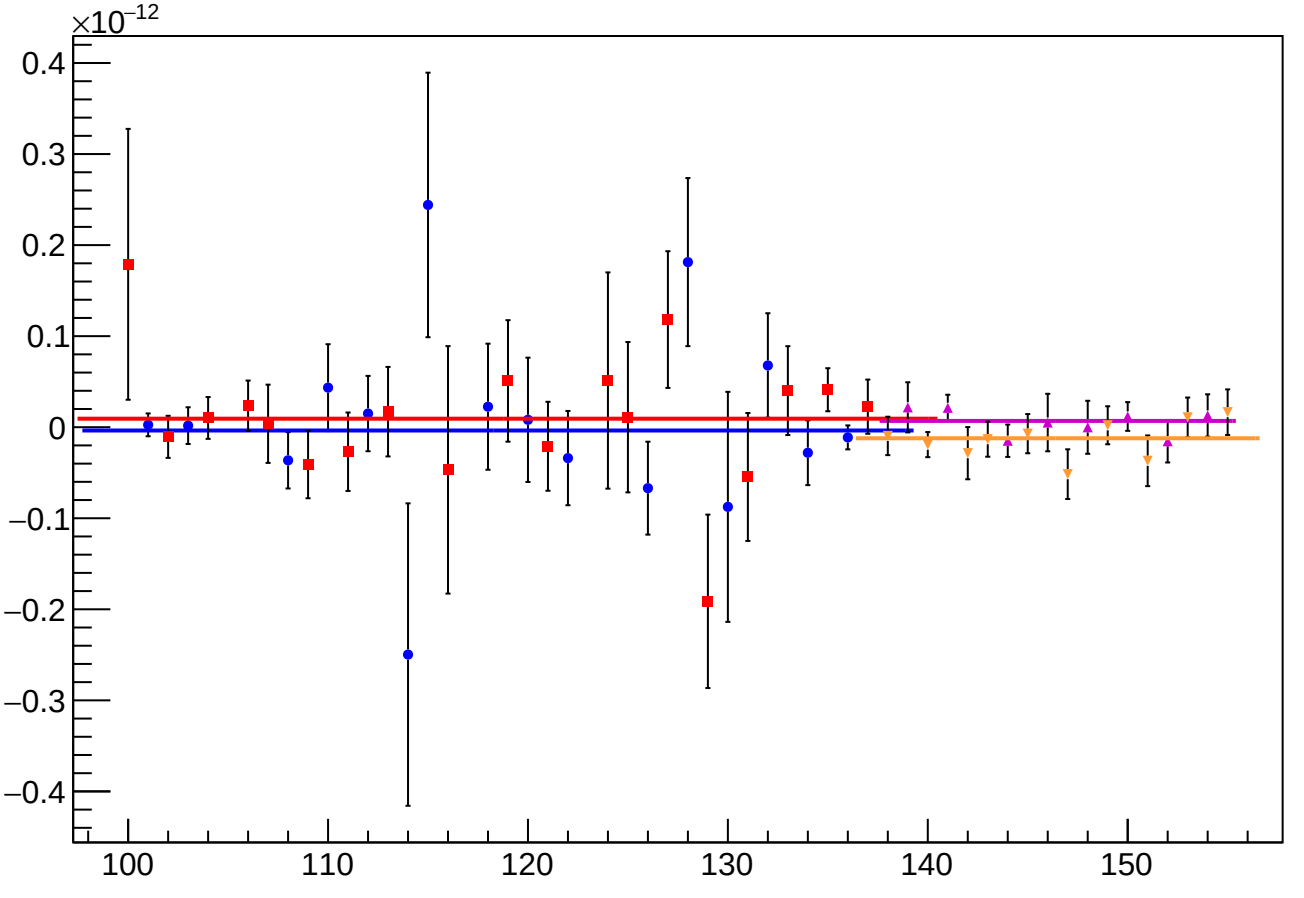
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.039+/-0.013 χ^2/NDF:31.9/23

Out: 0.000+/-0.012 χ^2/NDF:35.0/28

All: 0.018+/-0.009 χ^2/NDF: 71.4/52


asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
100
80
60
40
20
100
110
120
130
140
150
Right In: 39.334+/-0.011 χ²/NDF: 1566545.4/15
Left Out: 59.668+/-0.016 χ²/NDF:368696.1/9
Right Out: 36.699+/-0.011 χ²/NDF: 2096748.4/18
Left In: 60.907+/-0.017 χ²/NDF:391583.1/7
Left: 60.242+/-0.011 χ²/NDF: 763226.4/17
Right: 37.940+/-0.008 χ²/NDF: 3691915.1/34
In: 46.120+/-0.009 χ²/NDF:3098815.5/23
Out: 44.080+/-0.009 χ²/NDF:3950236.0/28
All: 45.035+/-0.006 χ²/NDF: 7074220.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/7

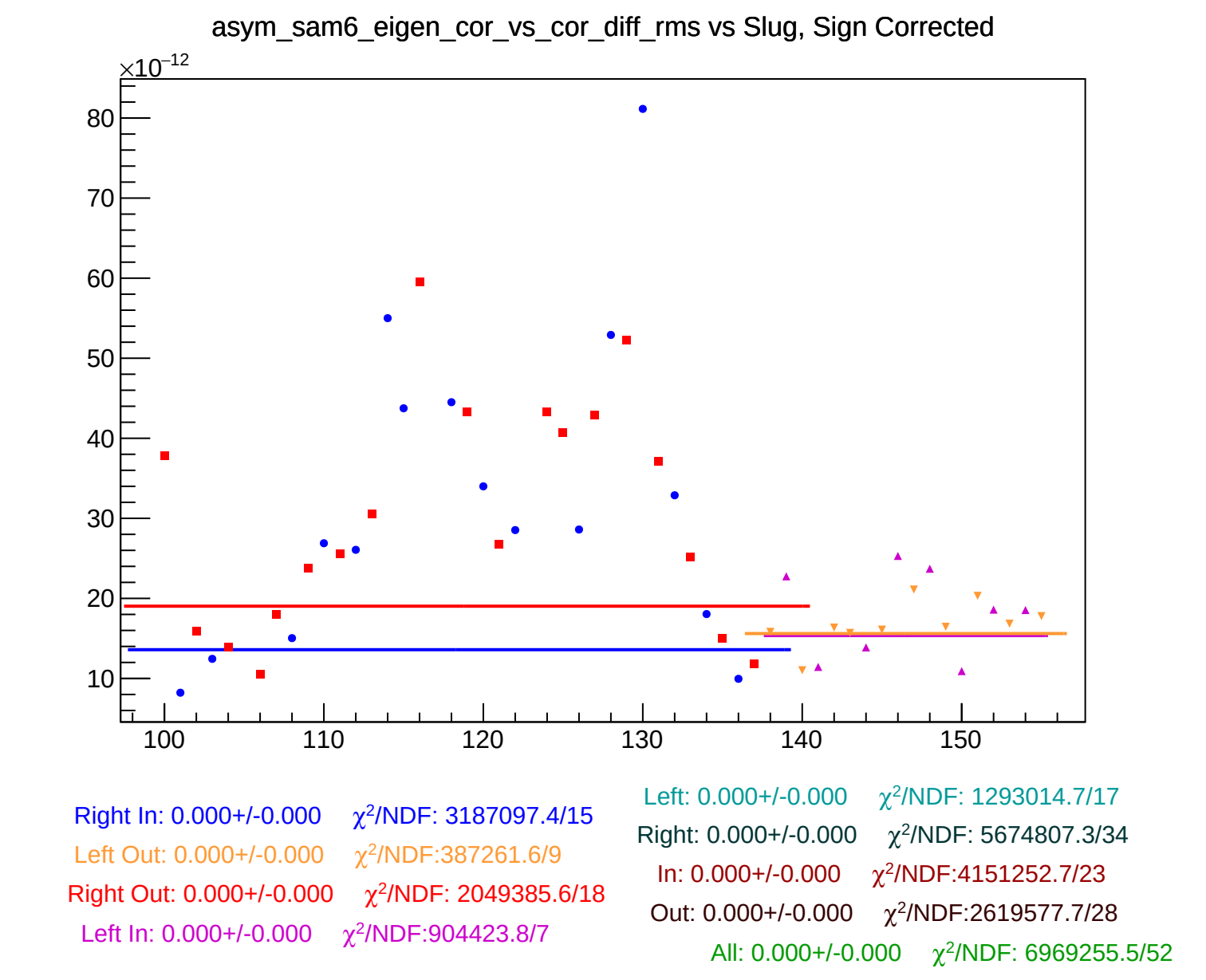
Left: -0.000+/-0.000 χ^2/NDF: 14.1/17

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

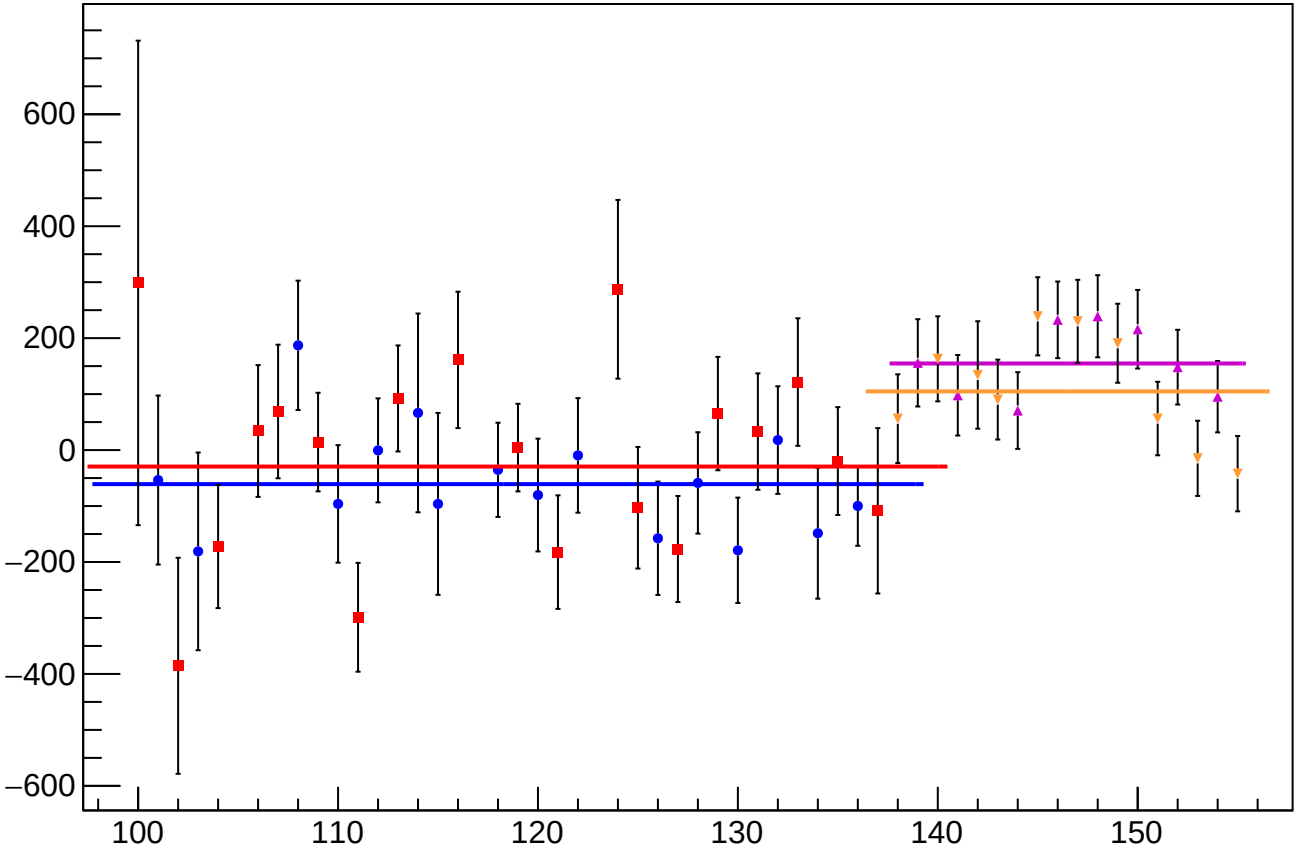
In: 0.000+/-0.000 χ^2/NDF:21.6/23

Out: -0.000+/-0.000 χ^2/NDF:25.8/28

All: -0.000+/-0.000 χ^2/NDF: 48.1/52


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:387261.6/9
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:904423.8/7
Left: 0.000+/-0.000 χ²/NDF: 1293014.7/17
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4151252.7/23
Out: 0.000+/-0.000 χ²/NDF:2619577.7/28
All: 0.000+/-0.000 χ²/NDF: 6969255.5/52

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.815+/-22.949 χ^2/NDF:17.6/9

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 154.712+/-24.672 χ^2/NDF:6.4/7

Left: 127.960+/-16.803 χ^2/NDF: 26.2/17

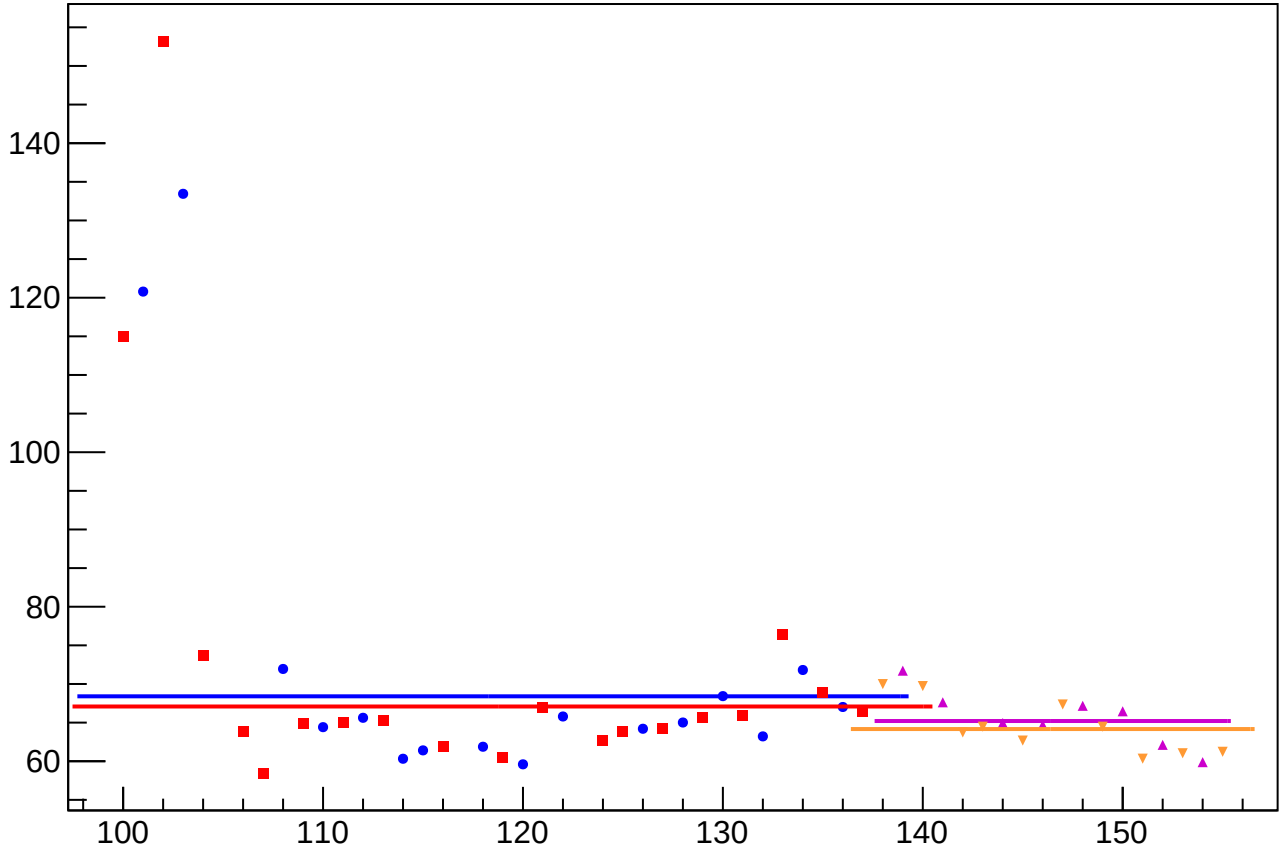
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 52.799+/-17.914 χ^2/NDF:53.0/23

Out: 43.695+/-16.938 χ^2/NDF:64.4/28

All: 47.993+/-12.308 χ^2/NDF: 117.6/52

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.167+/-0.016 χ^2/NDF:41192.4/9

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 65.206+/-0.017 χ^2/NDF:36674.1/7

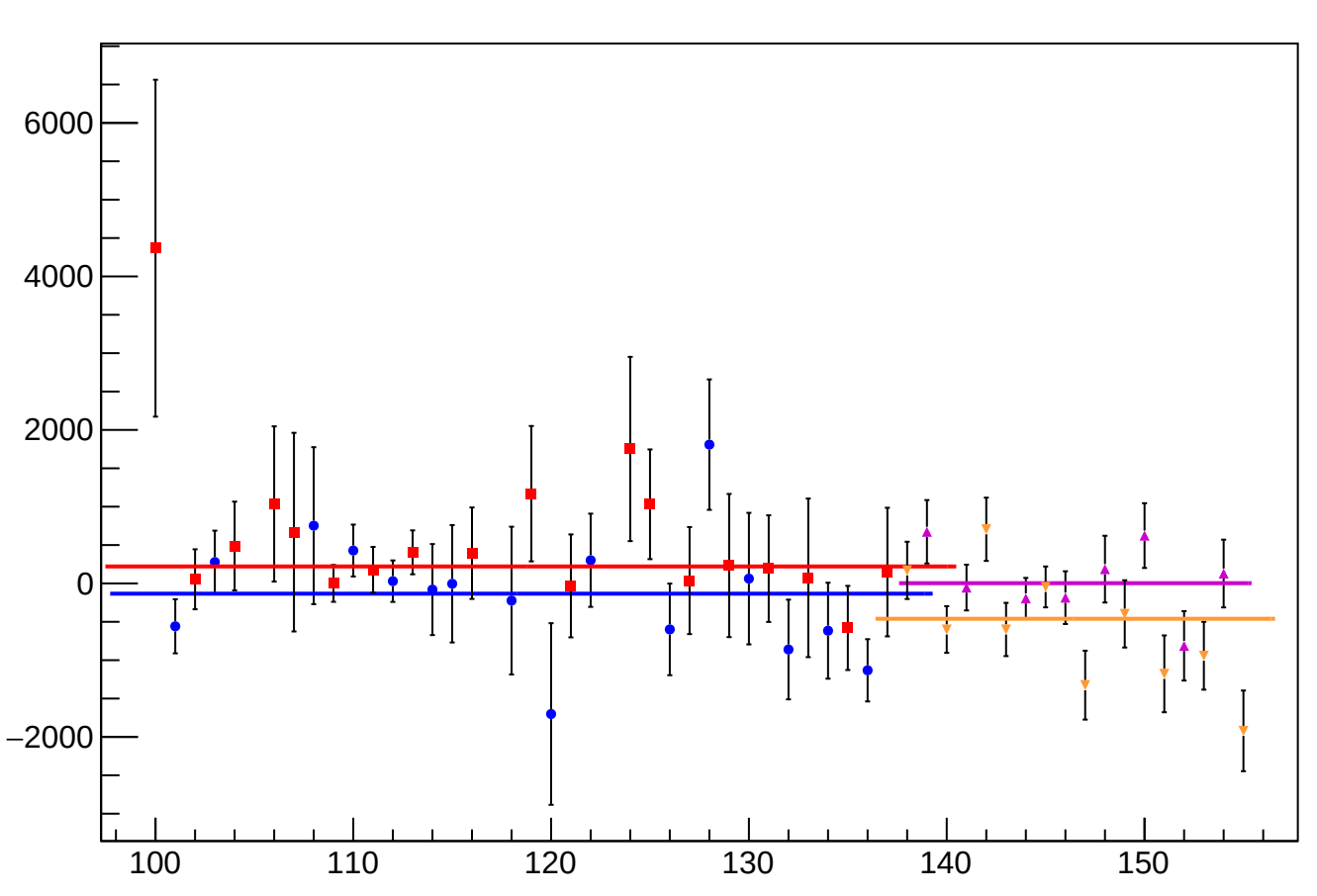
Left: 64.649+/-0.012 χ^2/NDF: 79768.9/17

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 66.718+/-0.013 χ^2/NDF:622112.8/23

Out: 65.495+/-0.012 χ^2/NDF:537738.3/28

All: 66.072+/-0.009 χ^2/NDF: 1164765.6/52



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -460.333+/-120.200 χ^2/NDF:28.4/9

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 3.259+/-128.470 χ^2/NDF:9.2/7

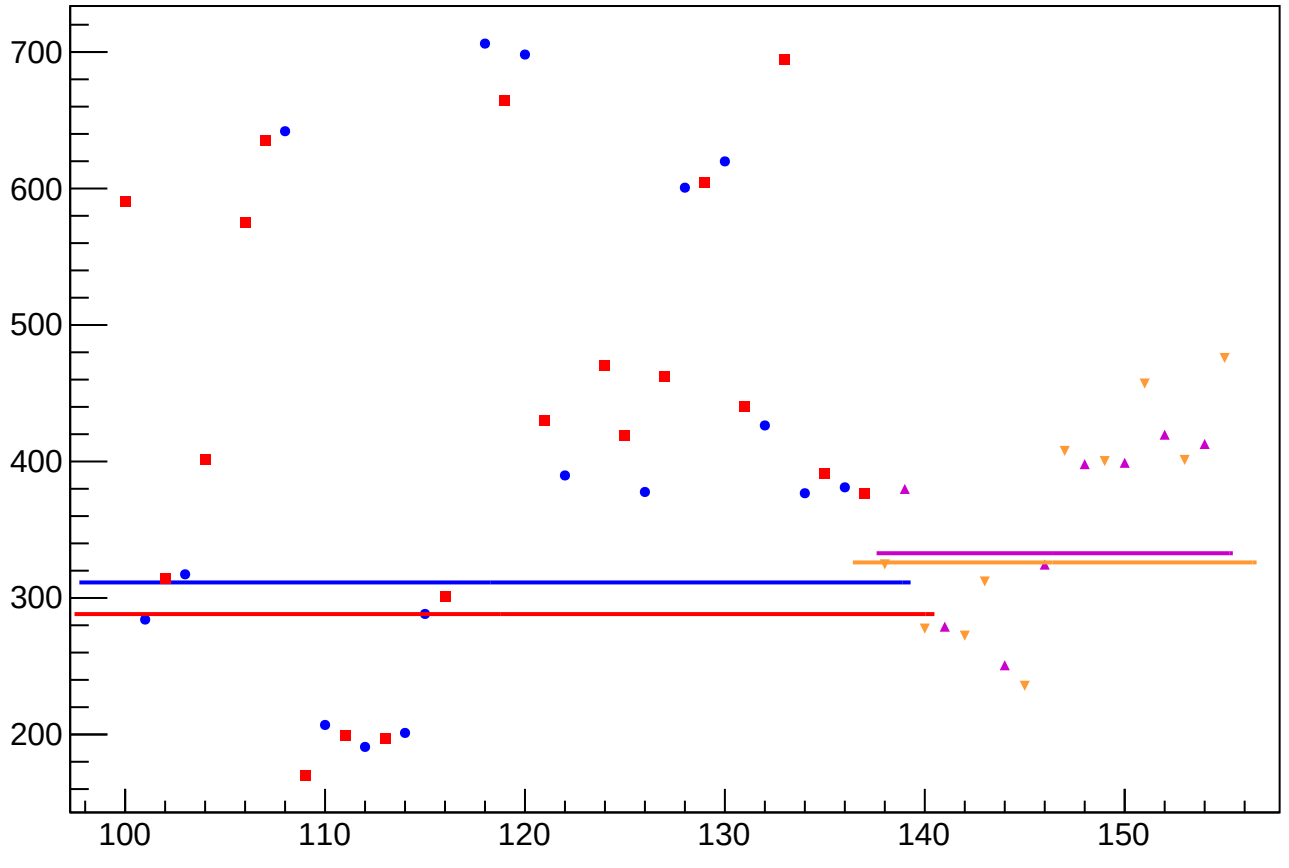
Left: -243.937+/-87.772 χ^2/NDF: 44.5/17

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -66.546+/-89.921 χ^2/NDF:32.2/23

Out: -112.582+/-84.126 χ^2/NDF:57.3/28

All: -91.095+/-61.433 χ^2/NDF: 89.7/52



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 326.047+/-0.085 χ^2/NDF:799615.0/9

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 332.791+/-0.091 χ^2/NDF:515860.2/7

Left: 329.195+/-0.062 χ^2/NDF: 1318414.0/17

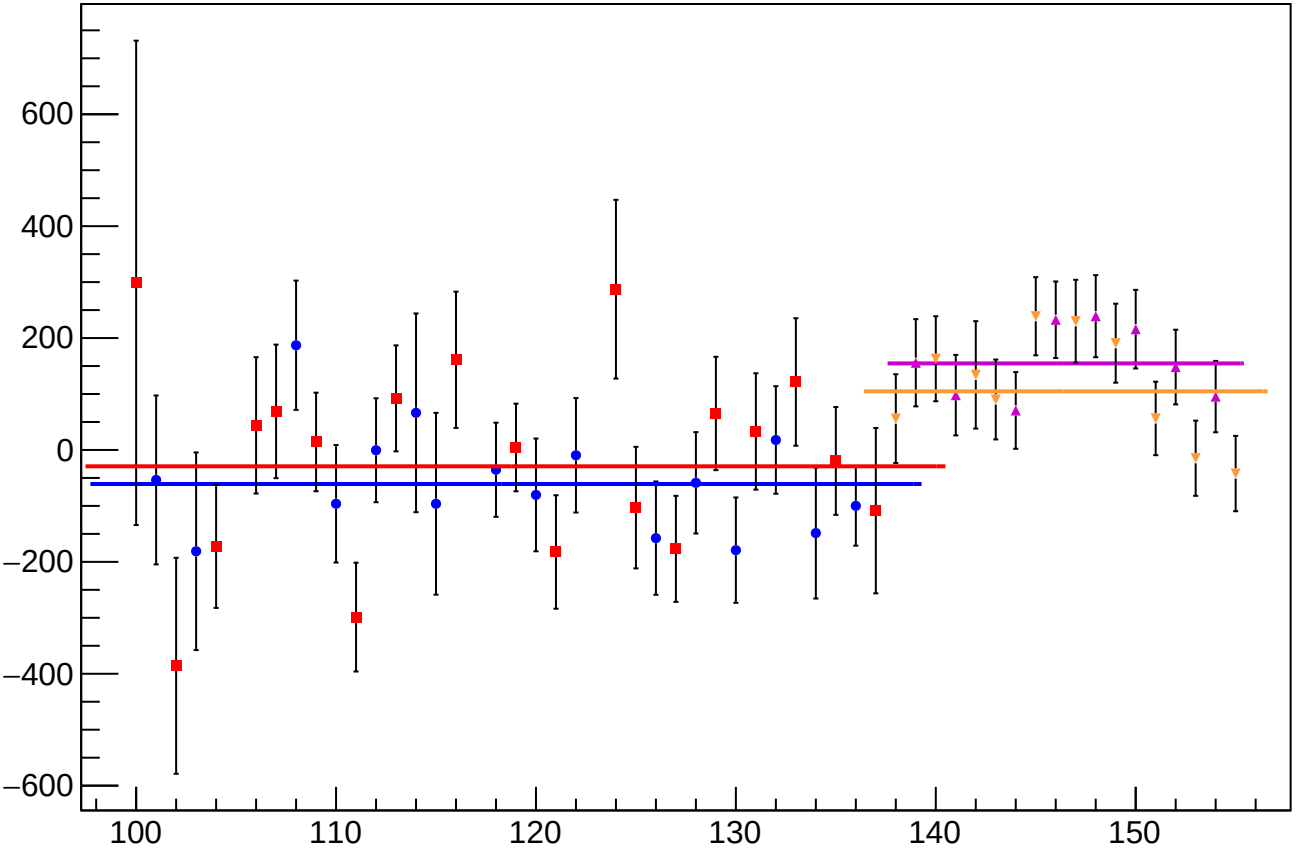
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 321.873+/-0.064 χ^2/NDF:2667977.8/23

Out: 306.742+/-0.059 χ^2/NDF:3616125.3/28

All: 313.804+/-0.043 χ^2/NDF: 6314301.4/52

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.815+/-22.949 χ^2/NDF:17.6/9

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 154.712+/-24.672 χ^2/NDF:6.4/7

Left: 127.960+/-16.803 χ^2/NDF: 26.2/17

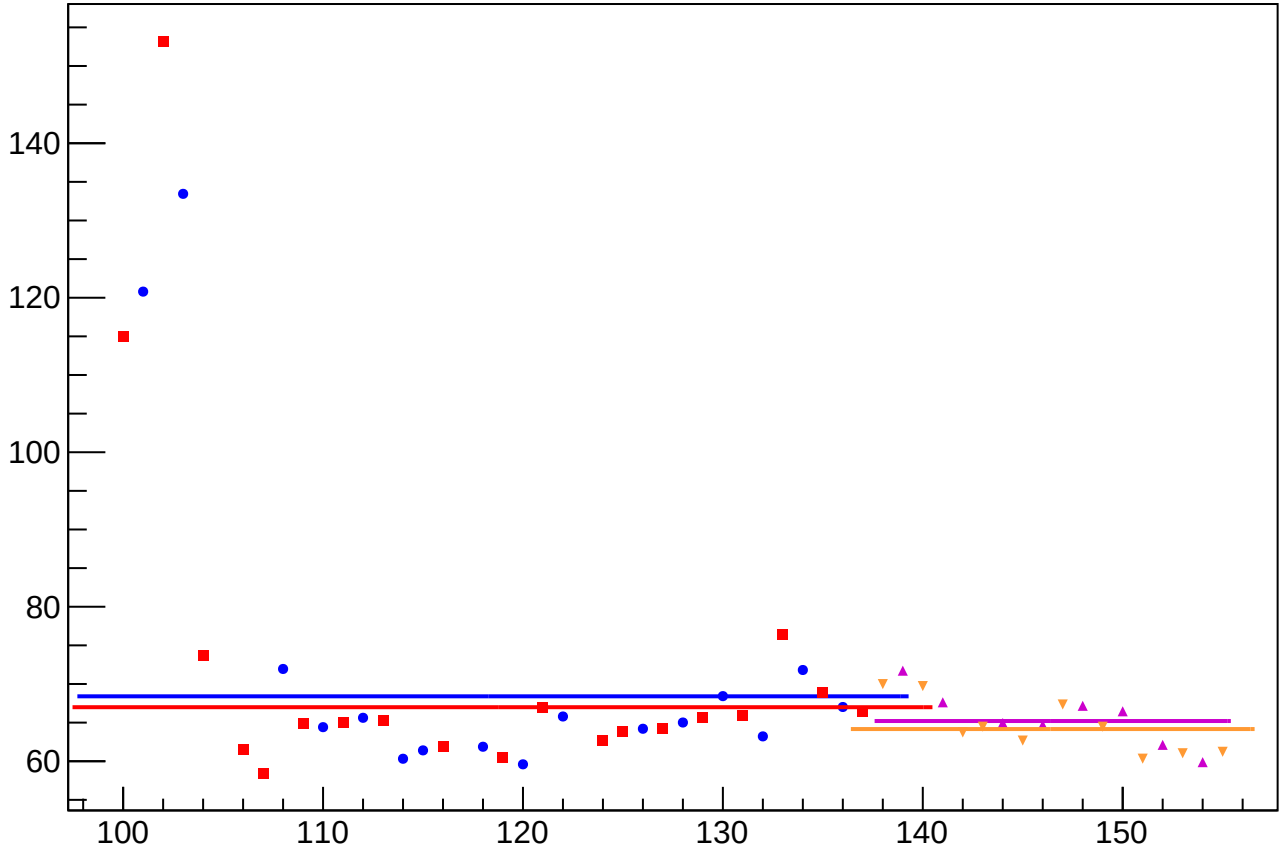
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 52.798+/-17.914 χ^2/NDF:53.0/23

Out: 43.901+/-16.950 χ^2/NDF:64.4/28

All: 48.104+/-12.312 χ^2/NDF: 117.6/52

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.167+/-0.016 χ^2/NDF:41192.4/9

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 65.206+/-0.017 χ^2/NDF:36674.1/7

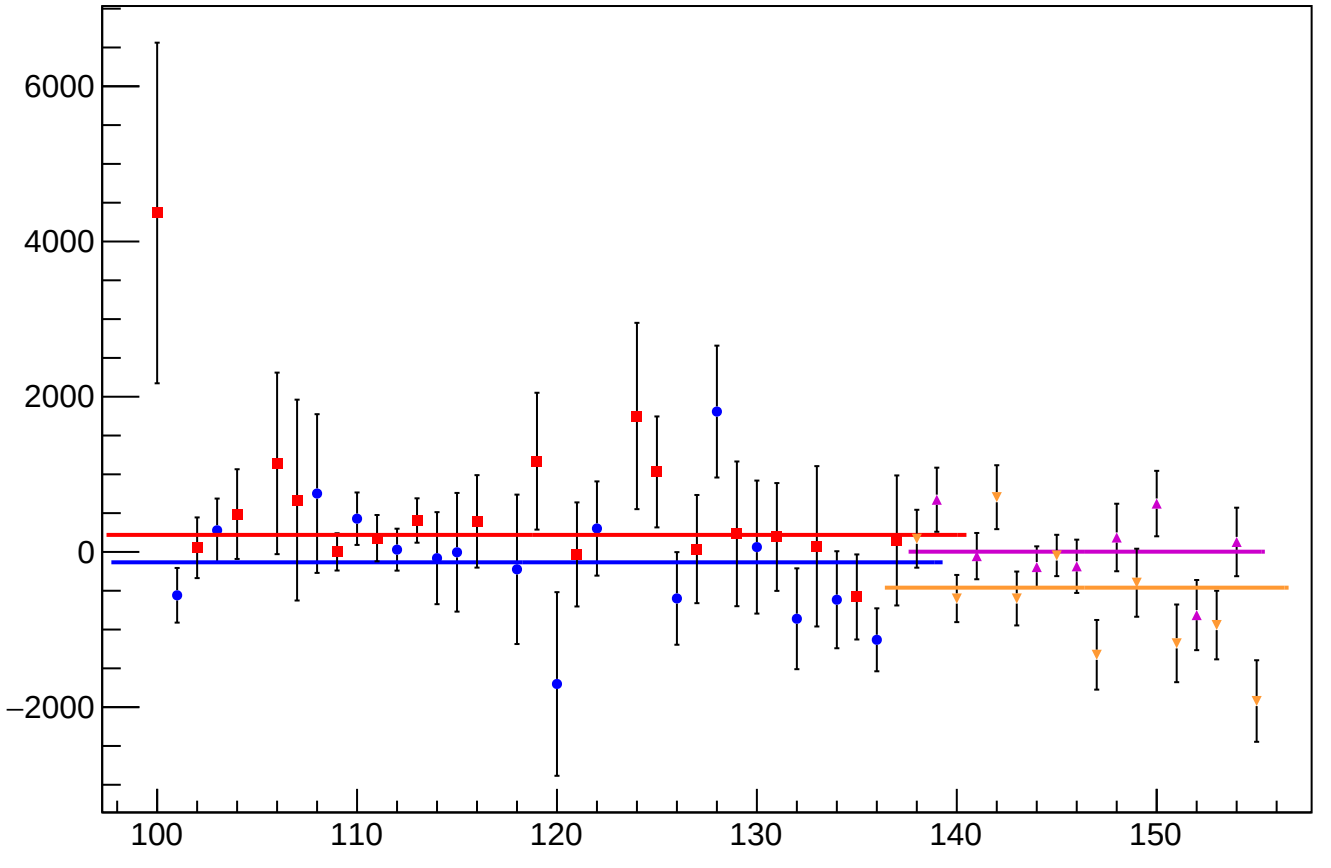
Left: 64.649+/-0.012 χ^2/NDF: 79768.9/17

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 66.718+/-0.013 χ^2/NDF:622113.2/23

Out: 65.452+/-0.012 χ^2/NDF:539483.1/28

All: 66.050+/-0.009 χ^2/NDF: 1166864.1/52



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -460.330+/-120.200 χ^2/NDF:28.4/9

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 3.255+/-128.470 χ^2/NDF:9.2/7

Left: -243.938+/-87.772 χ^2/NDF: 44.5/17

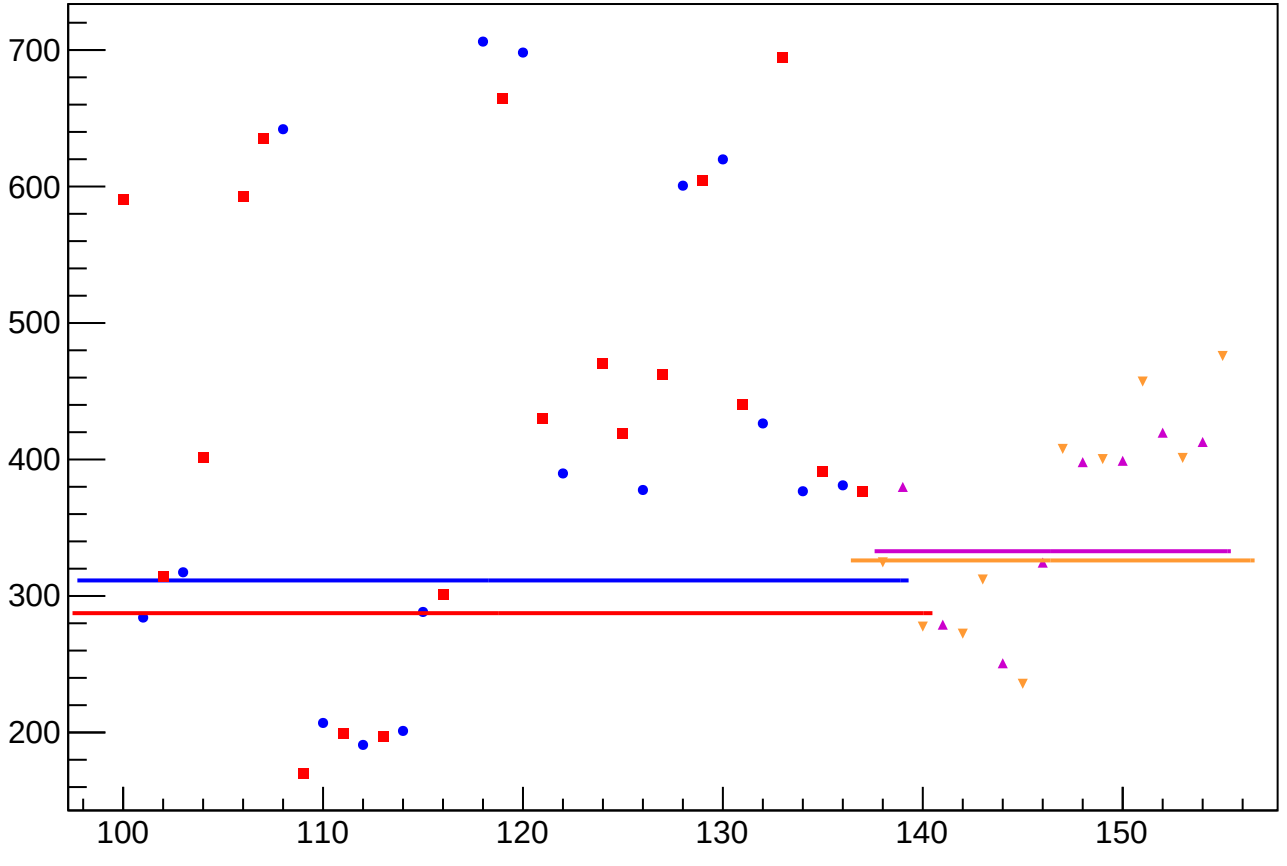
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -66.546+/-89.921 χ^2/NDF:32.2/23

Out: -114.049+/-84.202 χ^2/NDF:57.2/28

All: -91.856+/-61.462 χ^2/NDF: 89.6/52

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 326.047+/-0.085 χ^2/NDF:799619.3/9

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 332.791+/-0.091 χ^2/NDF:515859.2/7

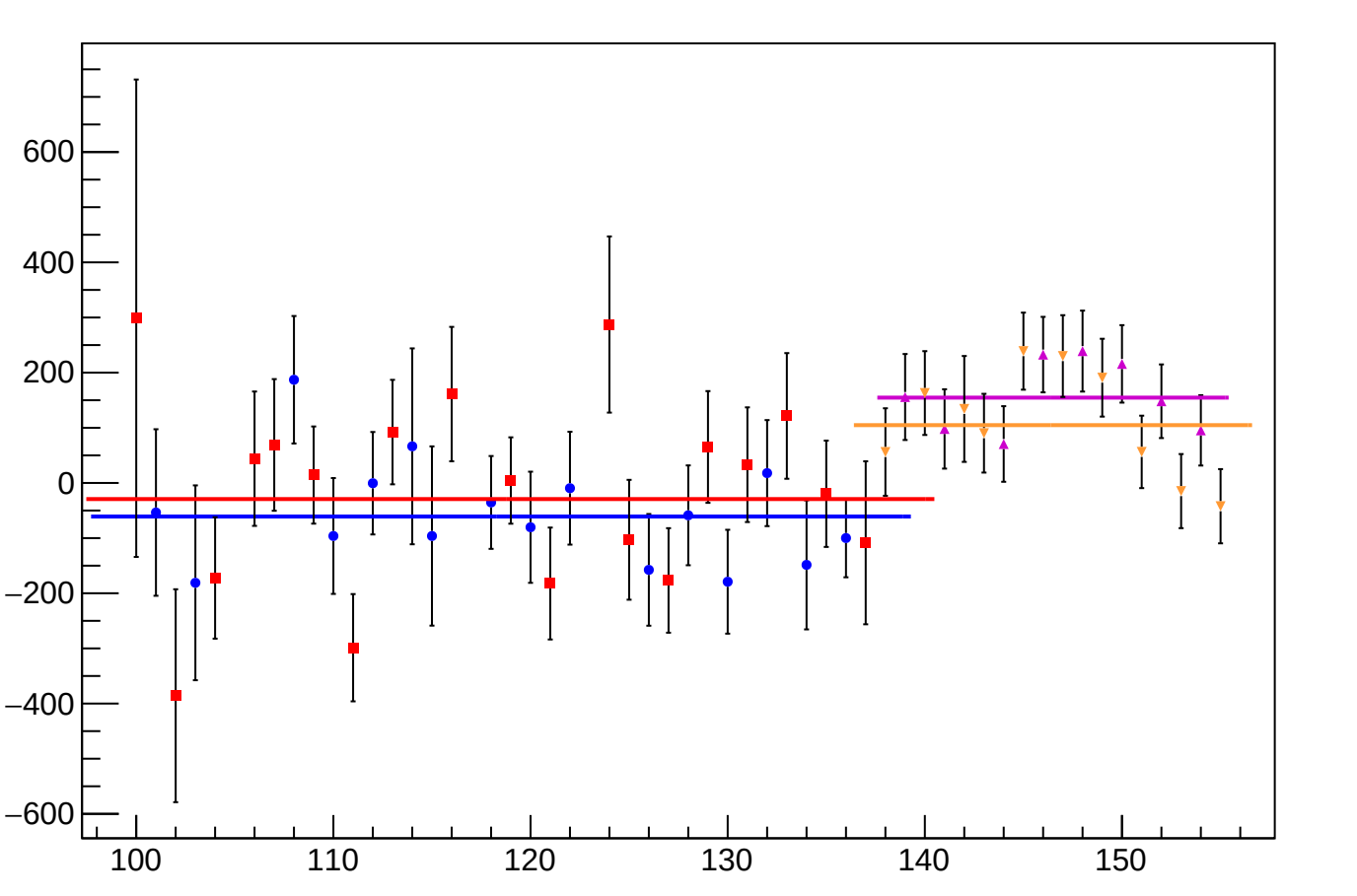
Left: 329.195+/-0.062 χ^2/NDF: 1318417.6/17

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 321.874+/-0.064 χ^2/NDF:2667973.8/23

Out: 306.371+/-0.060 χ^2/NDF:3595100.7/28

All: 313.614+/-0.043 χ^2/NDF: 6294746.4/52



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.815+/-22.949 χ^2/NDF:17.6/9

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 154.712+/-24.672 χ^2/NDF:6.4/7

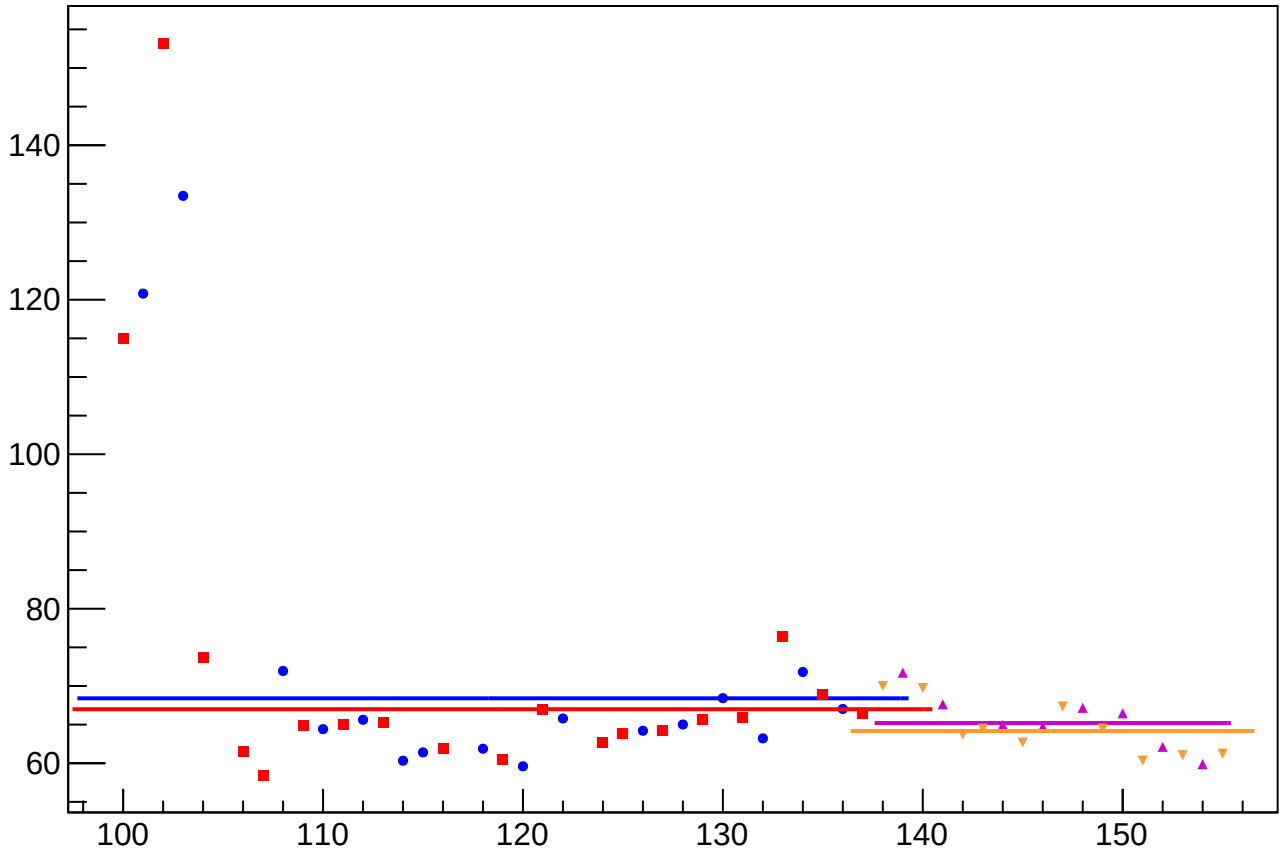
Left: 127.960+/-16.803 χ^2/NDF: 26.2/17

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 52.798+/-17.914 χ^2/NDF:53.0/23

Out: 43.901+/-16.950 χ^2/NDF:64.4/28

All: 48.104+/-12.312 χ^2/NDF: 117.6/52



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.167+/-0.016 χ^2/NDF:41192.4/9

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 65.206+/-0.017 χ^2/NDF:36674.1/7

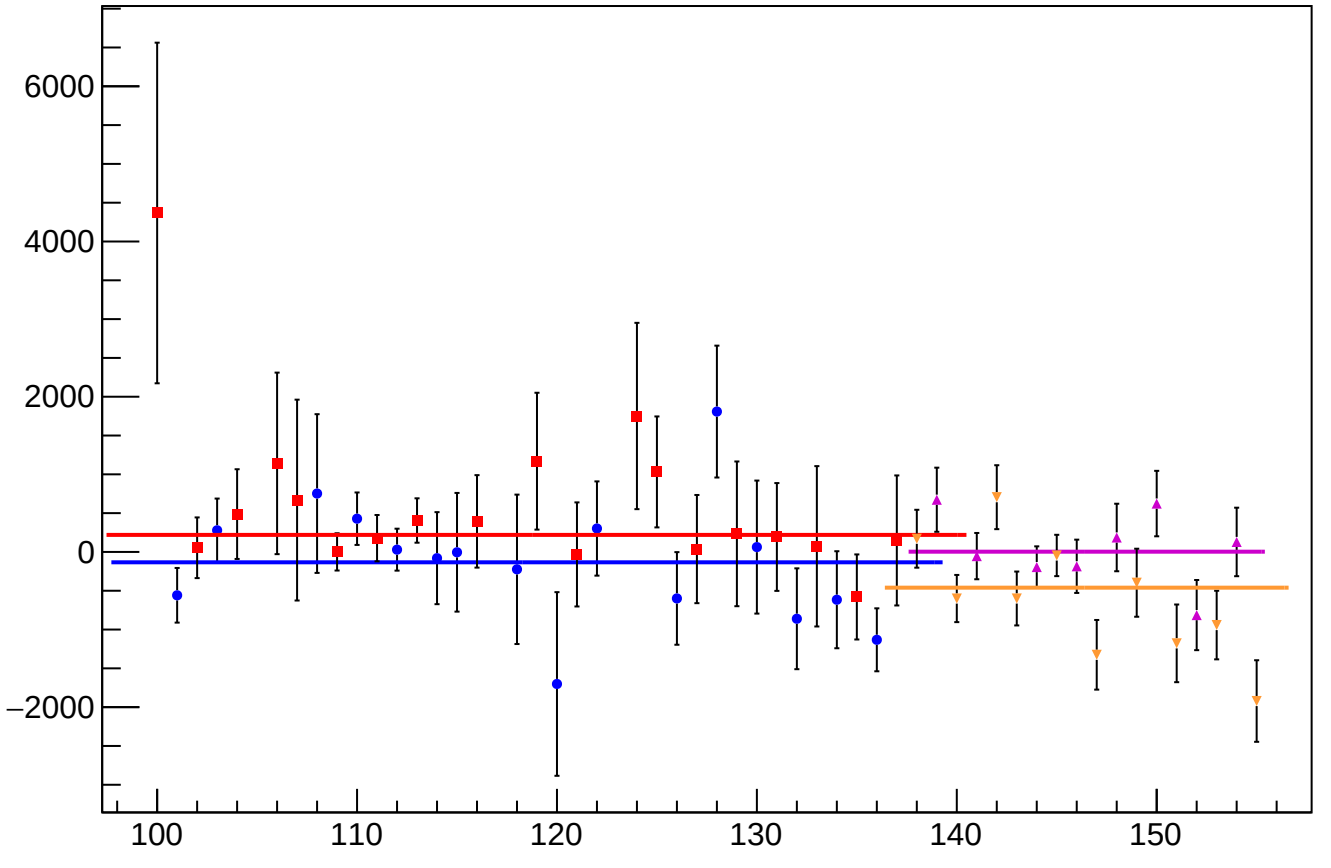
Left: 64.649+/-0.012 χ^2/NDF: 79768.9/17

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 66.718+/-0.013 χ^2/NDF:622113.2/23

Out: 65.452+/-0.012 χ^2/NDF:539483.1/28

All: 66.050+/-0.009 χ^2/NDF: 1166864.1/52



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -460.330+/-120.200 χ^2/NDF:28.4/9

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 3.255+/-128.470 χ^2/NDF:9.2/7

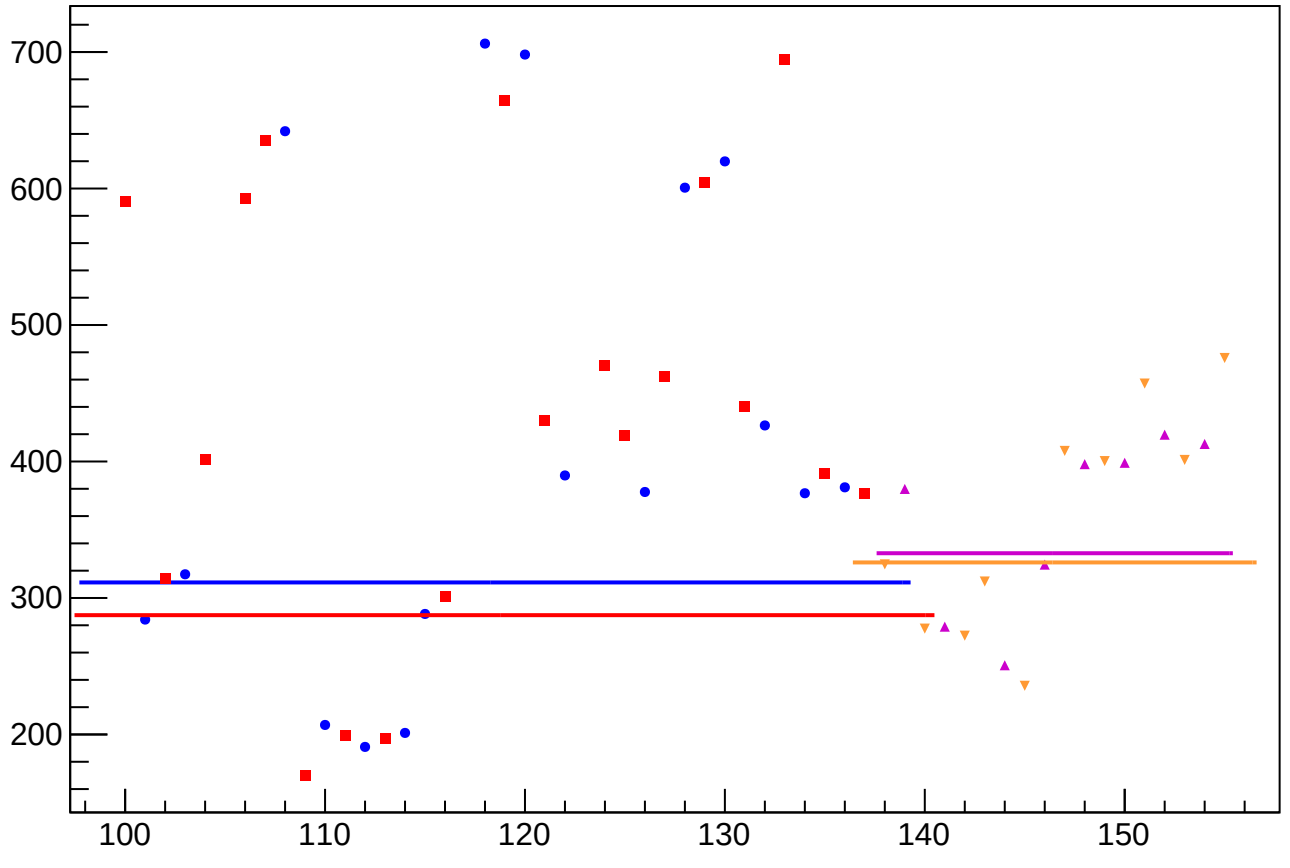
Left: -243.938+/-87.772 χ^2/NDF: 44.5/17

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -66.546+/-89.921 χ^2/NDF:32.2/23

Out: -114.049+/-84.202 χ^2/NDF:57.2/28

All: -91.856+/-61.462 χ^2/NDF: 89.6/52



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 326.047+/-0.085 χ^2/NDF:799619.3/9

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 332.791+/-0.091 χ^2/NDF:515859.2/7

Left: 329.195+/-0.062 χ^2/NDF: 1318417.6/17

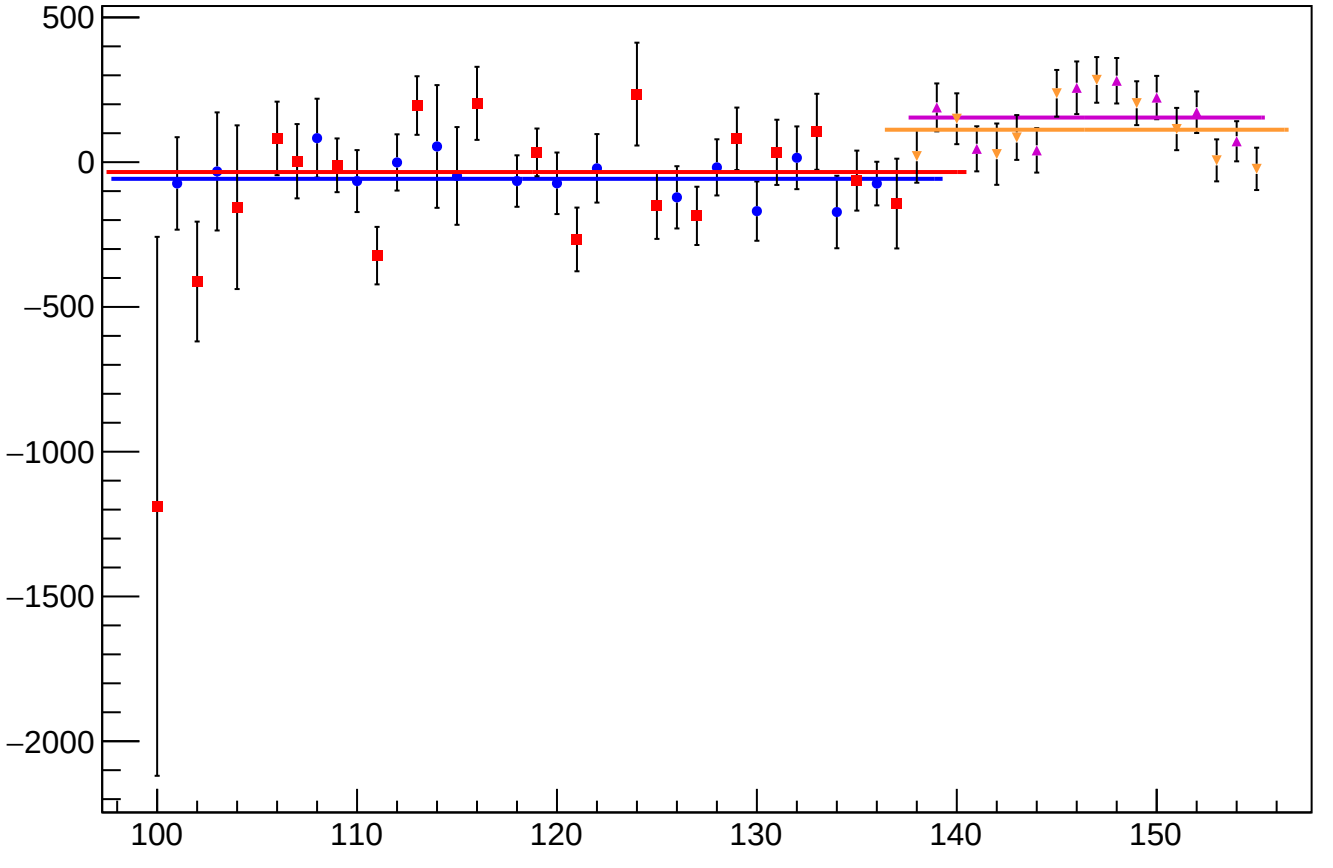
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 321.874+/-0.064 χ^2/NDF:2667973.8/23

Out: 306.371+/-0.060 χ^2/NDF:3595100.7/28

All: 313.614+/-0.043 χ^2/NDF: 6294746.4/52

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 112.076+/-25.336 χ^2/NDF:16.1/9

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 154.111+/-27.282 χ^2/NDF:10.5/7

Left: 131.541+/-18.565 χ^2/NDF: 27.9/17

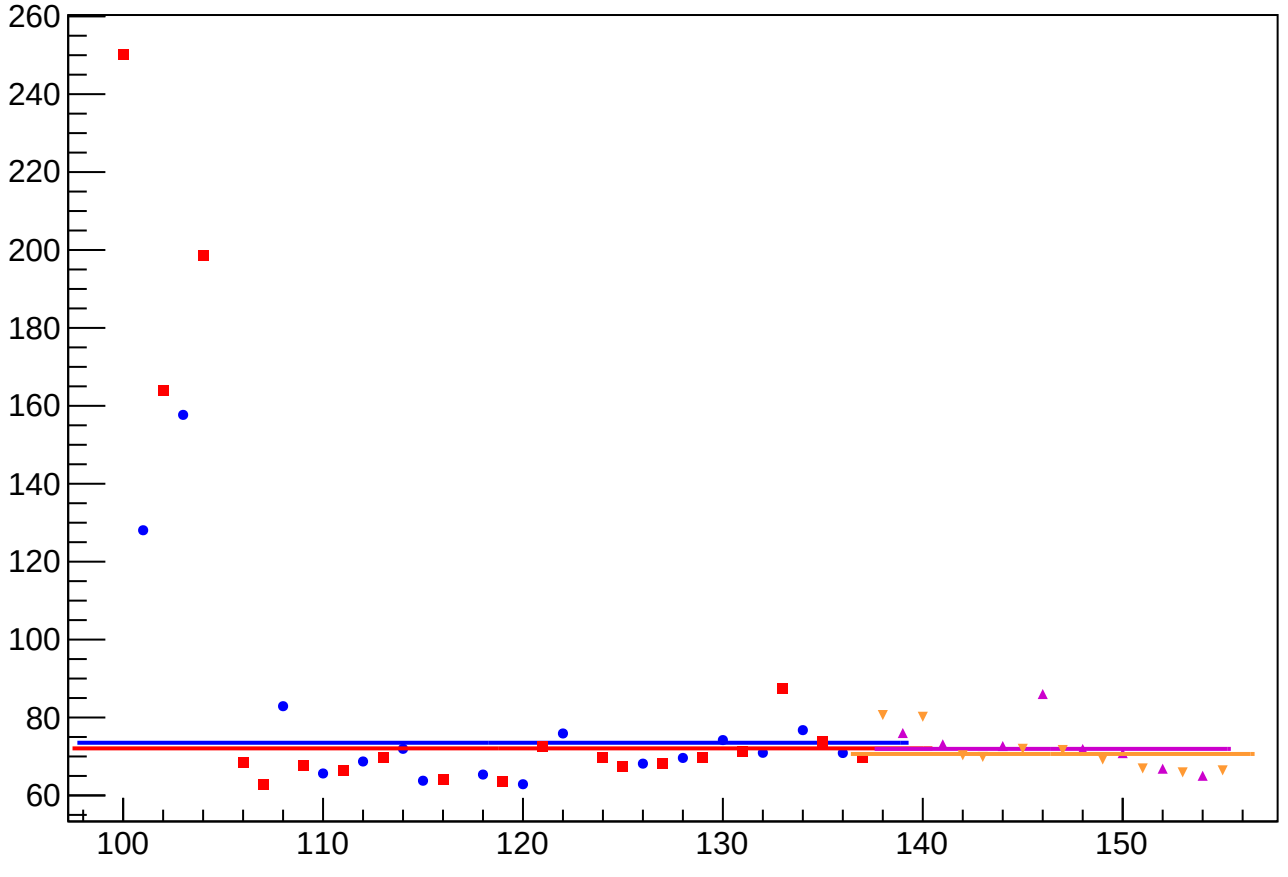
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 51.364+/-19.570 χ^2/NDF:44.6/23

Out: 44.725+/-18.602 χ^2/NDF:68.6/28

All: 47.876+/-13.483 χ^2/NDF: 113.2/52

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.643+/-0.018 χ^2/NDF:69397.0/9

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 71.947+/-0.019 χ^2/NDF:83653.8/7

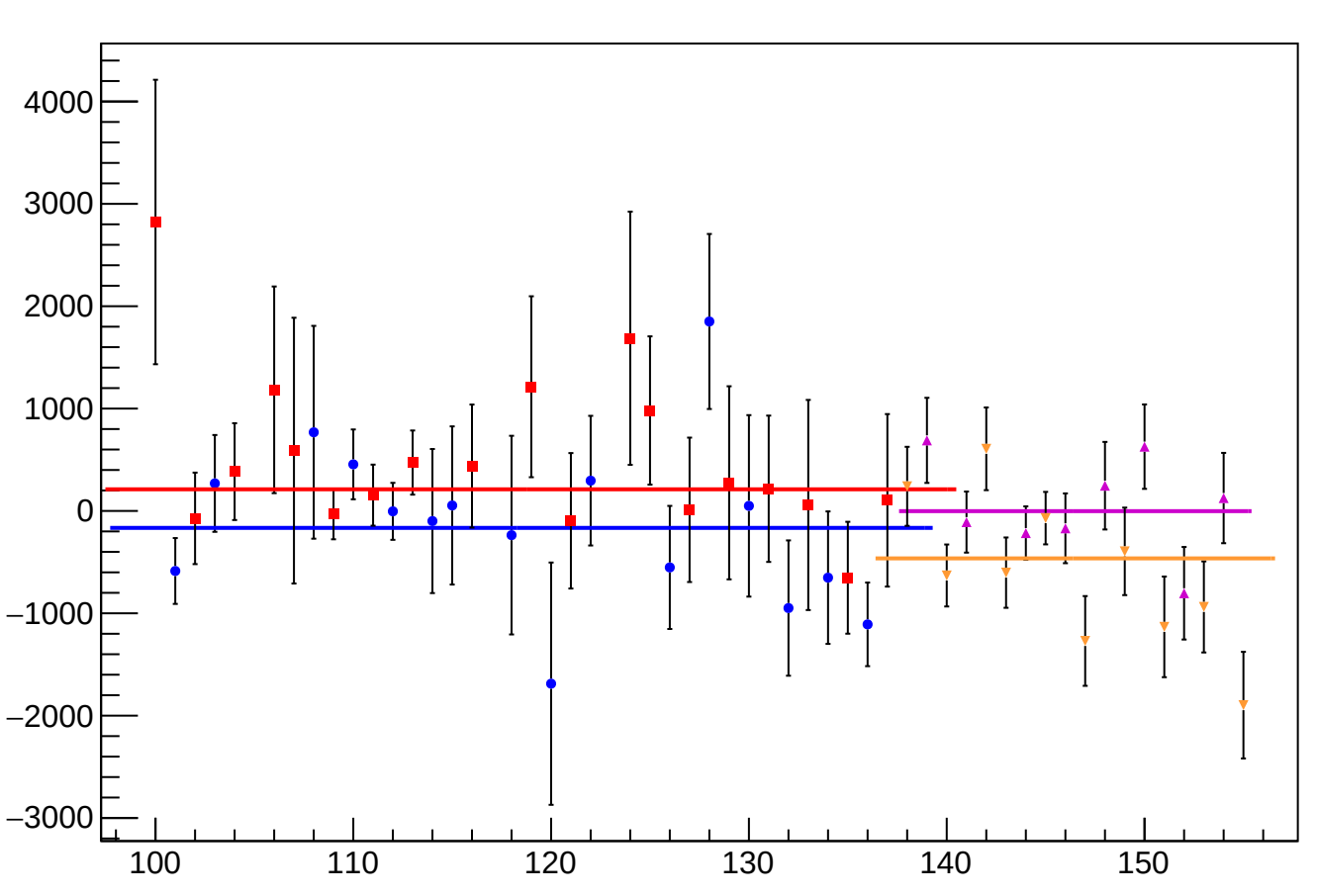
Left: 71.247+/-0.013 χ^2/NDF: 155505.6/17

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 72.710+/-0.014 χ^2/NDF:743723.3/23

Out: 71.303+/-0.013 χ^2/NDF:1030832.7/28

All: 71.971+/-0.010 χ^2/NDF: 1779993.0/52



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -463.521+/-118.676 χ^2/NDF:27.2/9

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: -1.966+/-127.287 χ^2/NDF:9.7/7

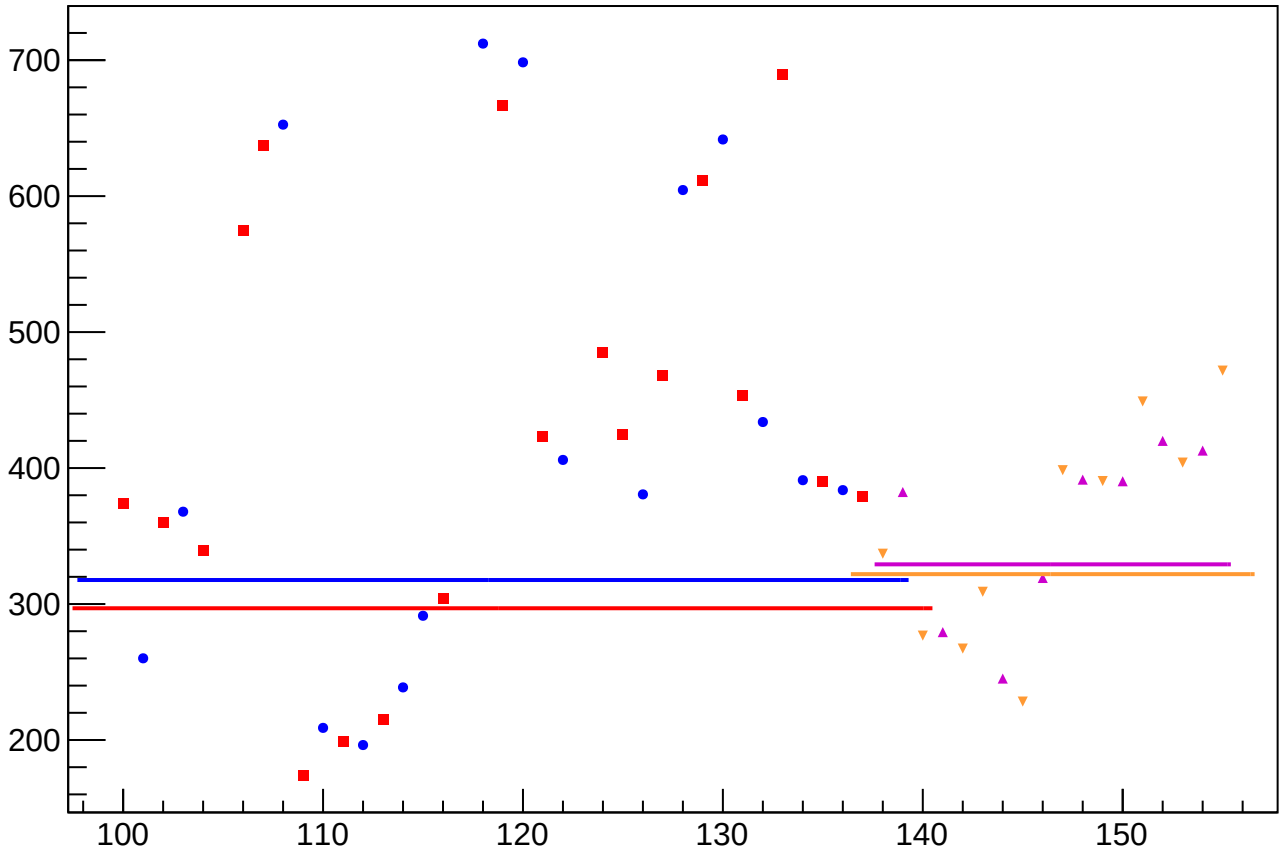
Left: -248.884+/-86.801 χ^2/NDF: 43.9/17

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -82.998+/-90.410 χ^2/NDF:33.2/23

Out: -130.173+/-84.423 χ^2/NDF:56.7/28

All: -108.199+/-61.704 χ^2/NDF: 90.0/52



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 321.978+/-0.084 χ^2/NDF:833440.9/9

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 329.187+/-0.090 χ^2/NDF:536880.2/7

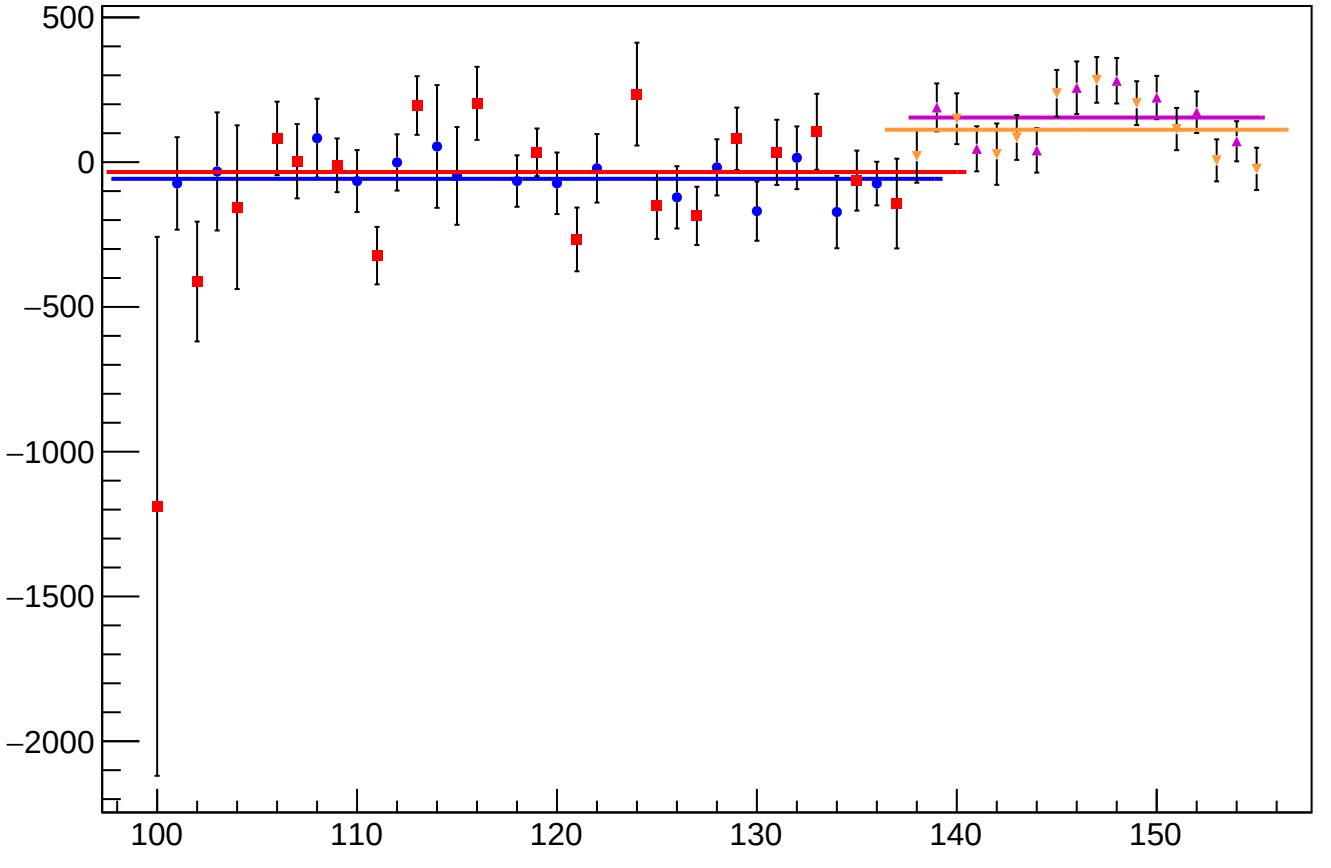
Left: 325.330+/-0.061 χ^2/NDF: 1373753.7/17

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 323.477+/-0.064 χ^2/NDF:2681195.2/23

Out: 309.585+/-0.060 χ^2/NDF:3418635.2/28

All: 316.056+/-0.044 χ^2/NDF: 6125058.1/52



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 112.075+/-25.336 χ^2/NDF:16.1/9

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 154.112+/-27.282 χ^2/NDF:10.5/7

Left: 131.541+/-18.565 χ^2/NDF: 27.9/17

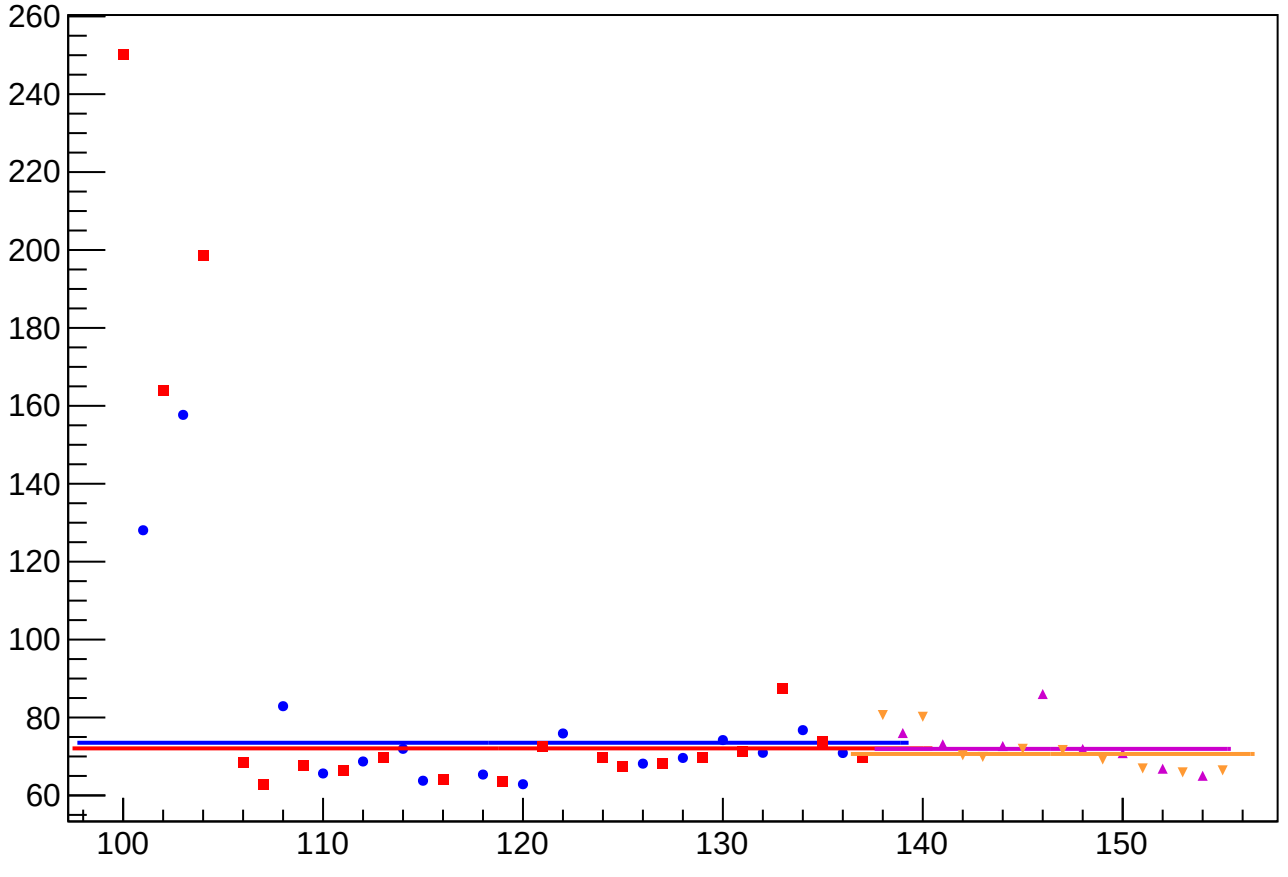
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 51.365+/-19.570 χ^2/NDF:44.6/23

Out: 44.724+/-18.602 χ^2/NDF:68.6/28

All: 47.876+/-13.483 χ^2/NDF: 113.2/52

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.643+/-0.018 χ^2/NDF:69396.6/9

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 71.947+/-0.019 χ^2/NDF:83654.0/7

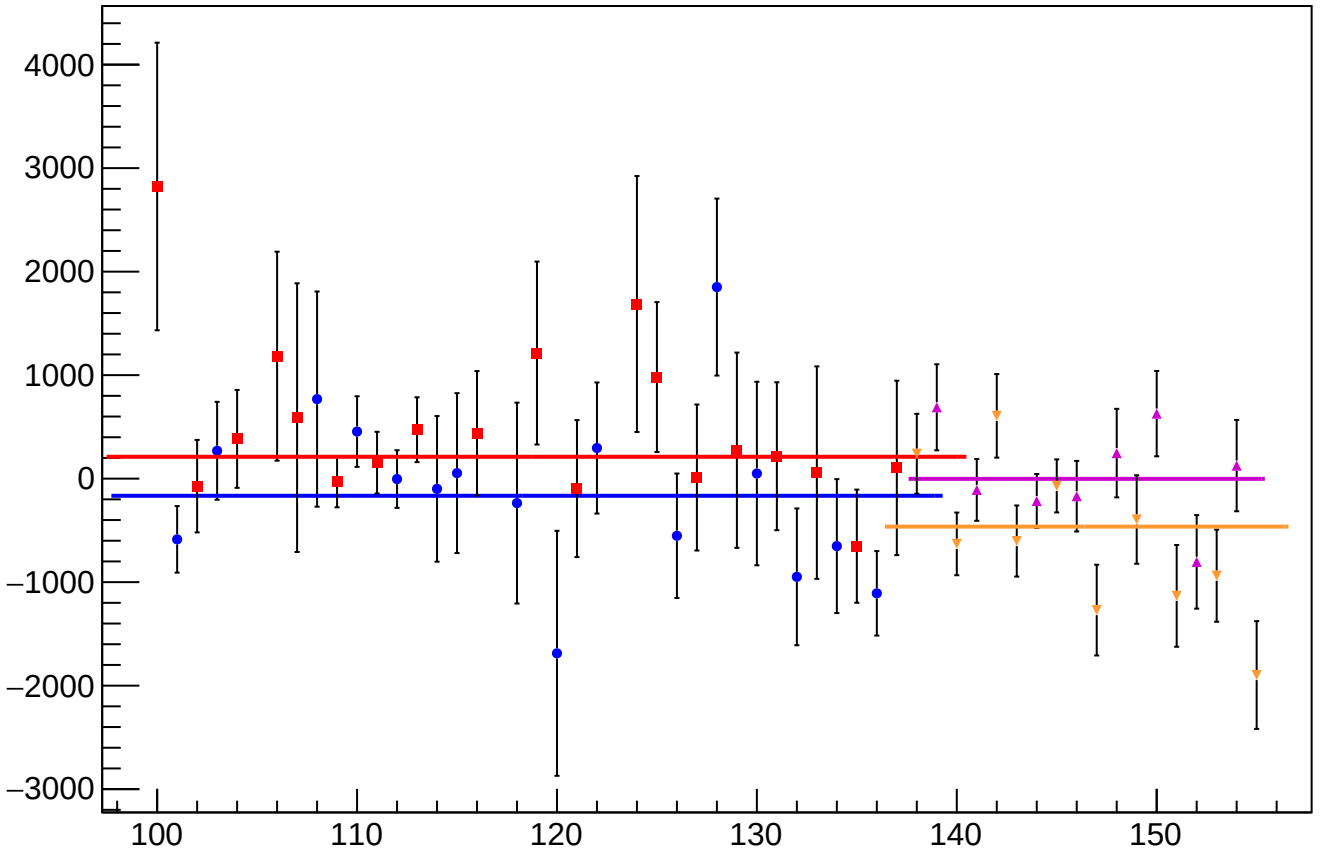
Left: 71.247+/-0.013 χ^2/NDF: 155505.4/17

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 72.710+/-0.014 χ^2/NDF:743724.5/23

Out: 71.303+/-0.013 χ^2/NDF:1030833.1/28

All: 71.971+/-0.010 χ^2/NDF: 1779994.5/52



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -463.522+/-118.676 χ^2/NDF:27.2/9

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: -1.966+/-127.287 χ^2/NDF:9.7/7

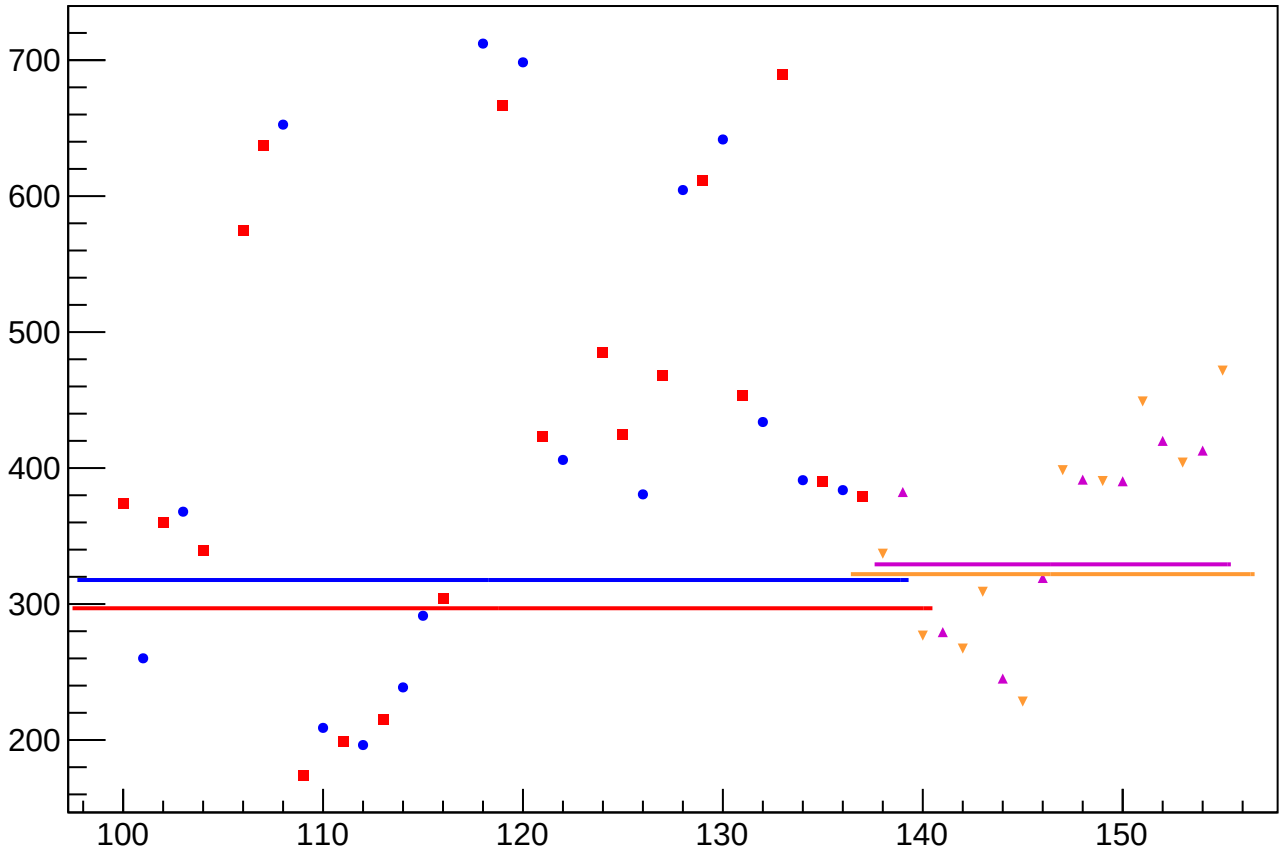
Left: -248.884+/-86.801 χ^2/NDF: 43.9/17

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -82.997+/-90.409 χ^2/NDF:33.2/23

Out: -130.172+/-84.423 χ^2/NDF:56.7/28

All: -108.198+/-61.704 χ^2/NDF: 90.0/52



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 321.977+/-0.084 χ^2/NDF:833450.9/9

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 329.187+/-0.090 χ^2/NDF:536886.2/7

Left: 325.330+/-0.061 χ^2/NDF: 1373769.9/17

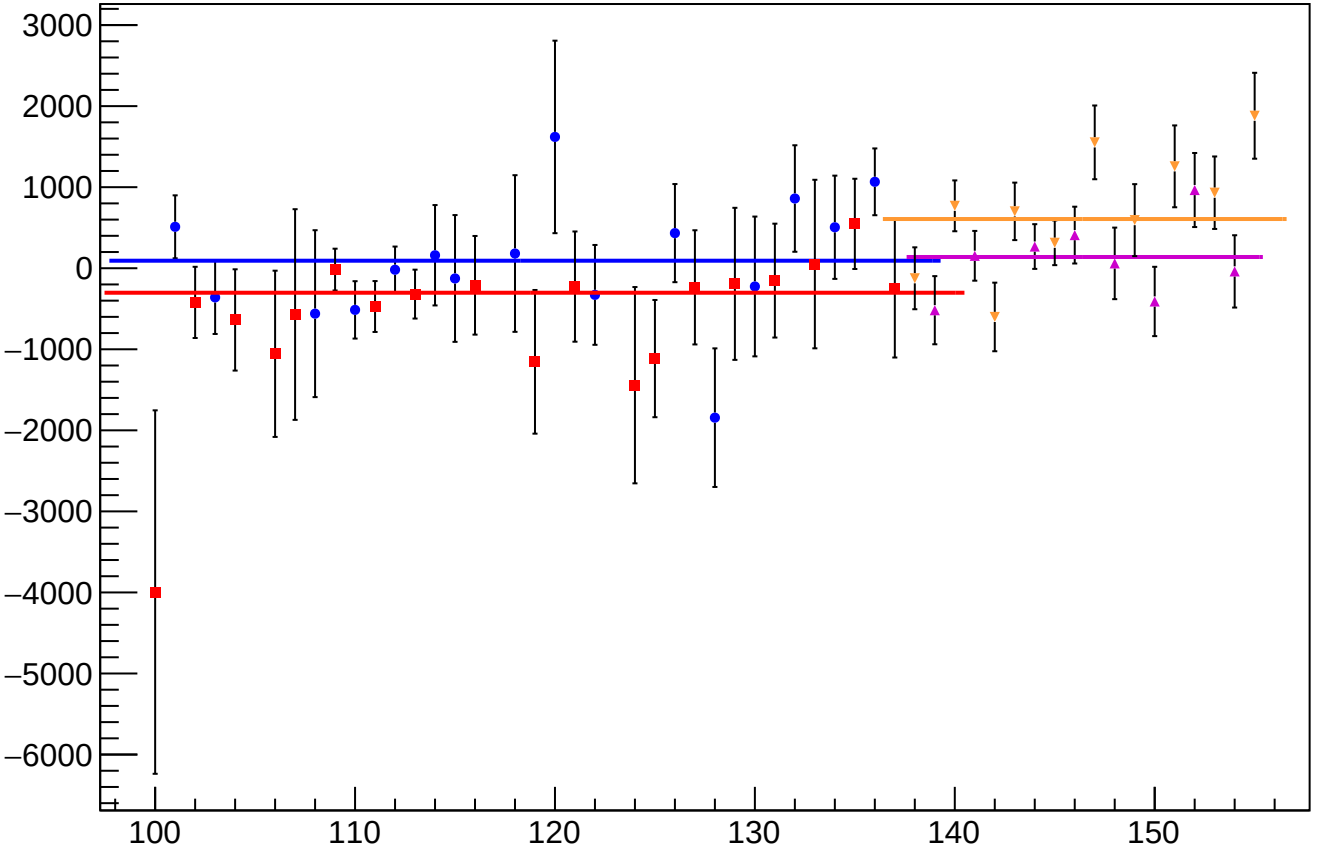
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 323.476+/-0.064 χ^2/NDF:2681236.0/23

Out: 309.584+/-0.060 χ^2/NDF:3418660.0/28

All: 316.055+/-0.044 χ^2/NDF: 6125122.8/52

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 607.177+/-123.009 χ^2/NDF:25.6/9

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 138.657+/-131.334 χ^2/NDF:8.4/7

Left: 388.237+/-89.779 χ^2/NDF: 40.7/17

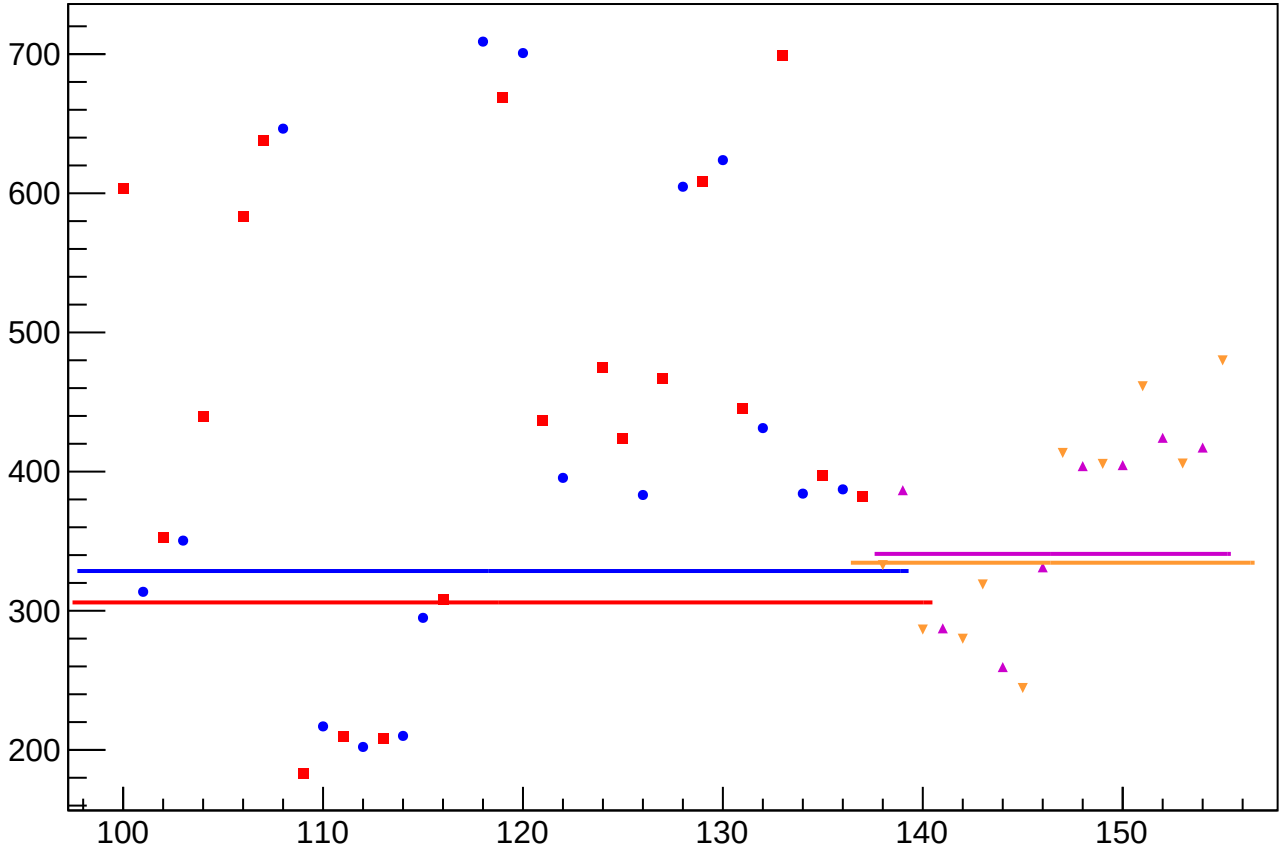
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 115.833+/-93.076 χ^2/NDF:29.2/23

Out: 155.795+/-87.299 χ^2/NDF:63.5/28

All: 137.093+/-63.674 χ^2/NDF: 92.9/52

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 334.525+/-0.087 χ^2/NDF:735922.1/9

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 340.874+/-0.093 χ^2/NDF:470588.8/7

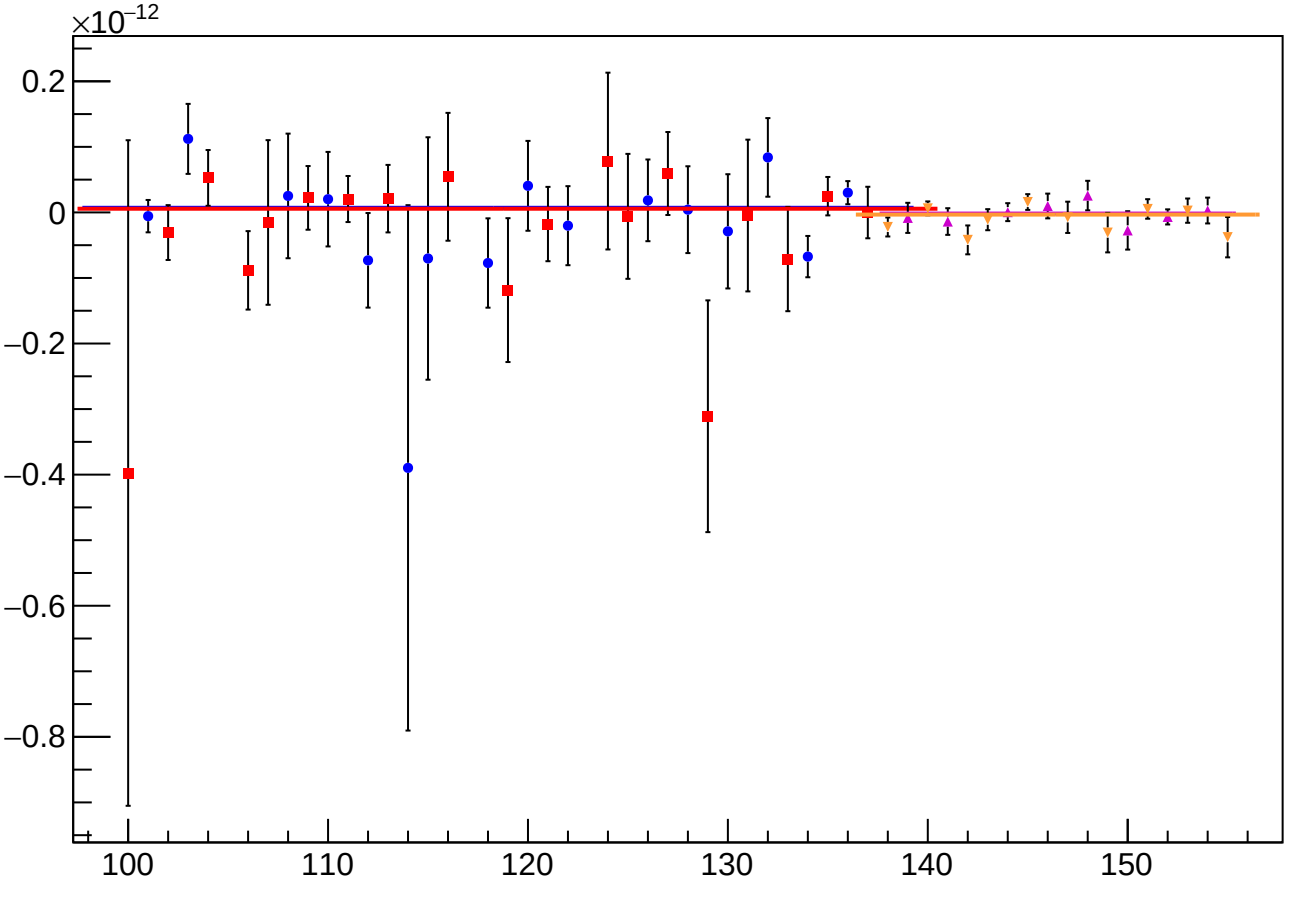
Left: 337.492+/-0.063 χ^2/NDF: 1209000.7/17

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 334.748+/-0.066 χ^2/NDF:2438204.4/23

Out: 320.362+/-0.062 χ^2/NDF:3316809.8/28

All: 327.095+/-0.045 χ^2/NDF: 5780433.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/7

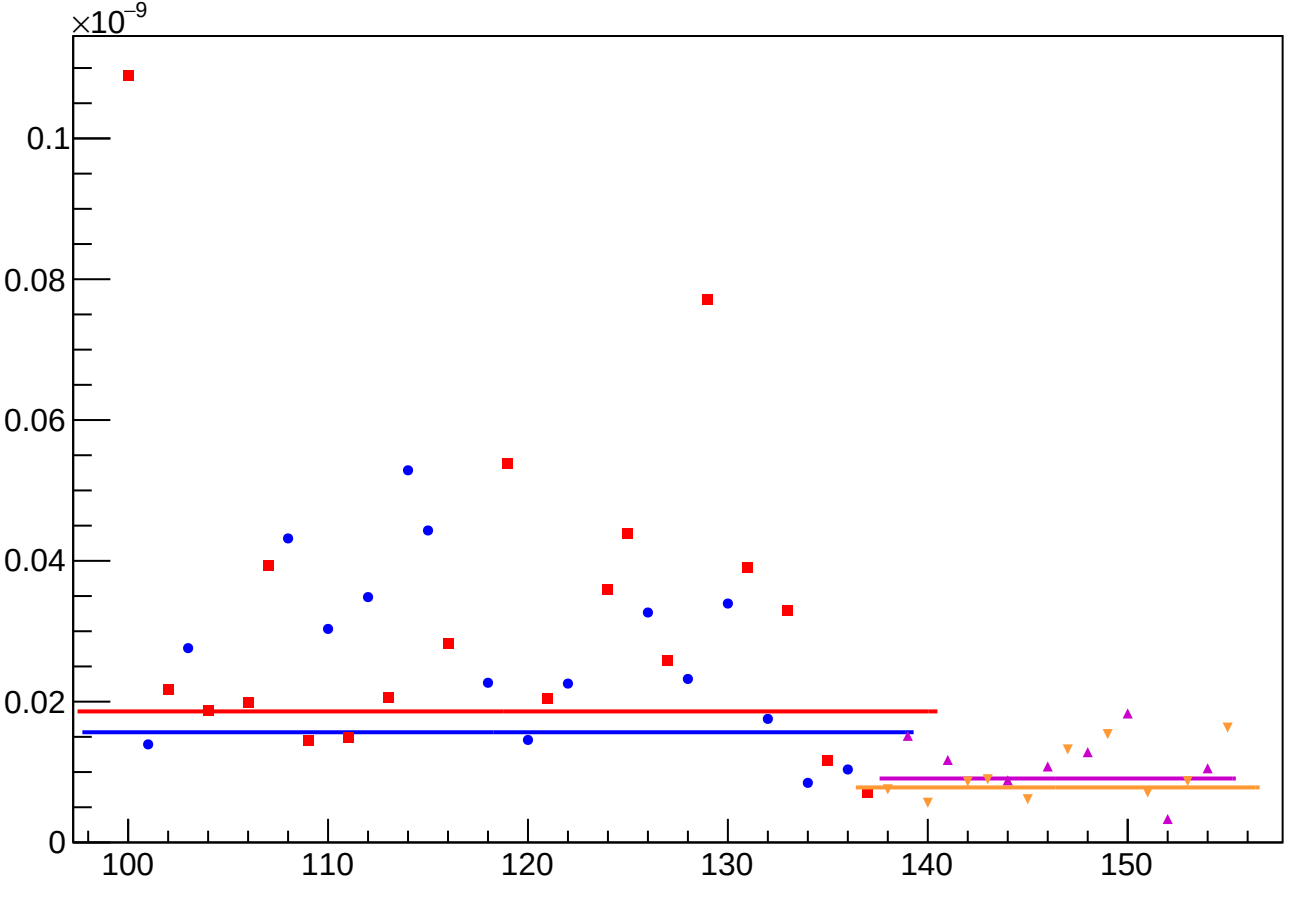
Left: -0.000+/-0.000 χ^2/NDF: 14.3/17

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:21.5/23

Out: -0.000+/-0.000 χ^2/NDF:24.1/28

All: -0.000+/-0.000 χ^2/NDF: 45.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:527995.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:951726.9/7

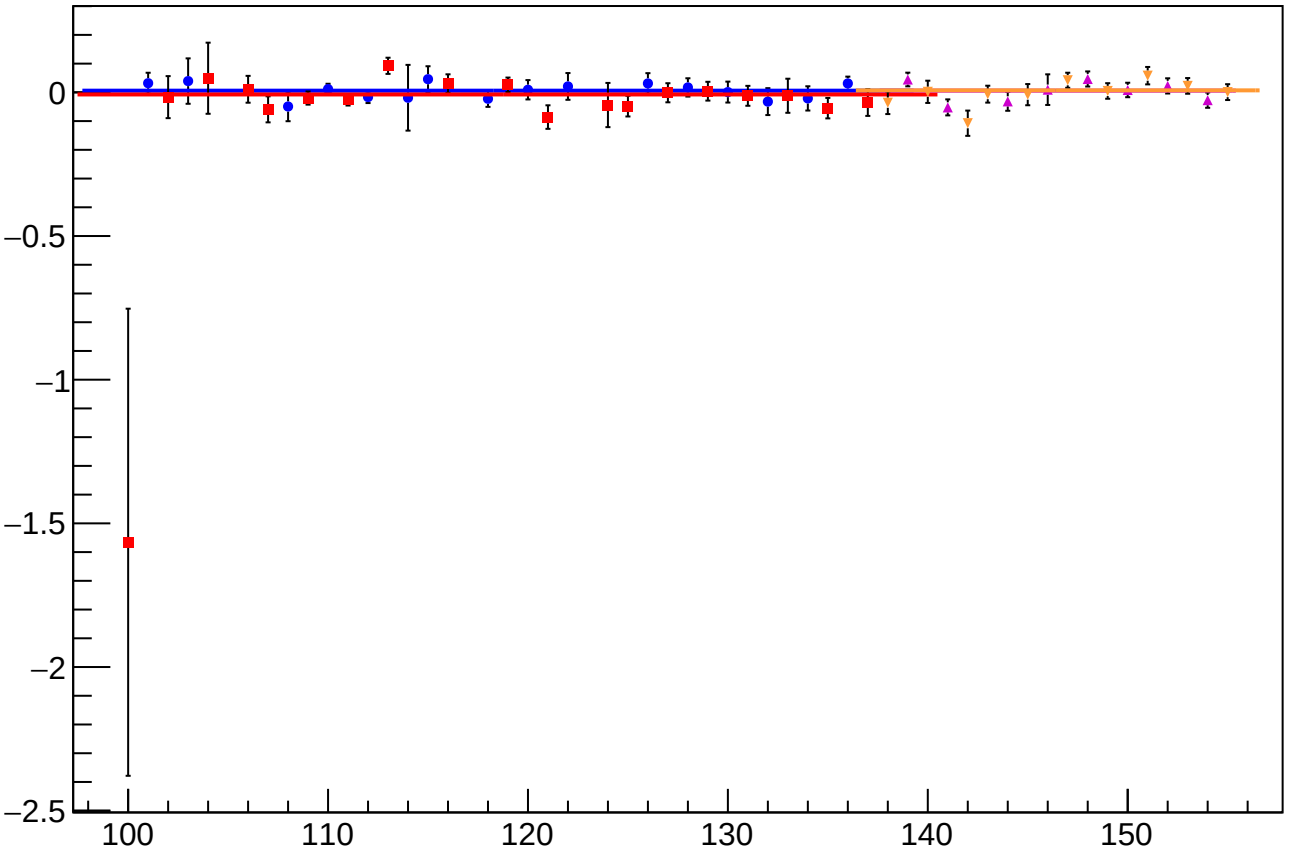
Left: 0.000+/-0.000 χ^2/NDF: 1529029.9/17

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2659418.2/23

Out: 0.000+/-0.000 χ^2/NDF:2976688.6/28

All: 0.000+/-0.000 χ^2/NDF: 5710045.1/52



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.010 χ^2/NDF:13.4/9

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.006+/-0.010 χ^2/NDF:12.6/7

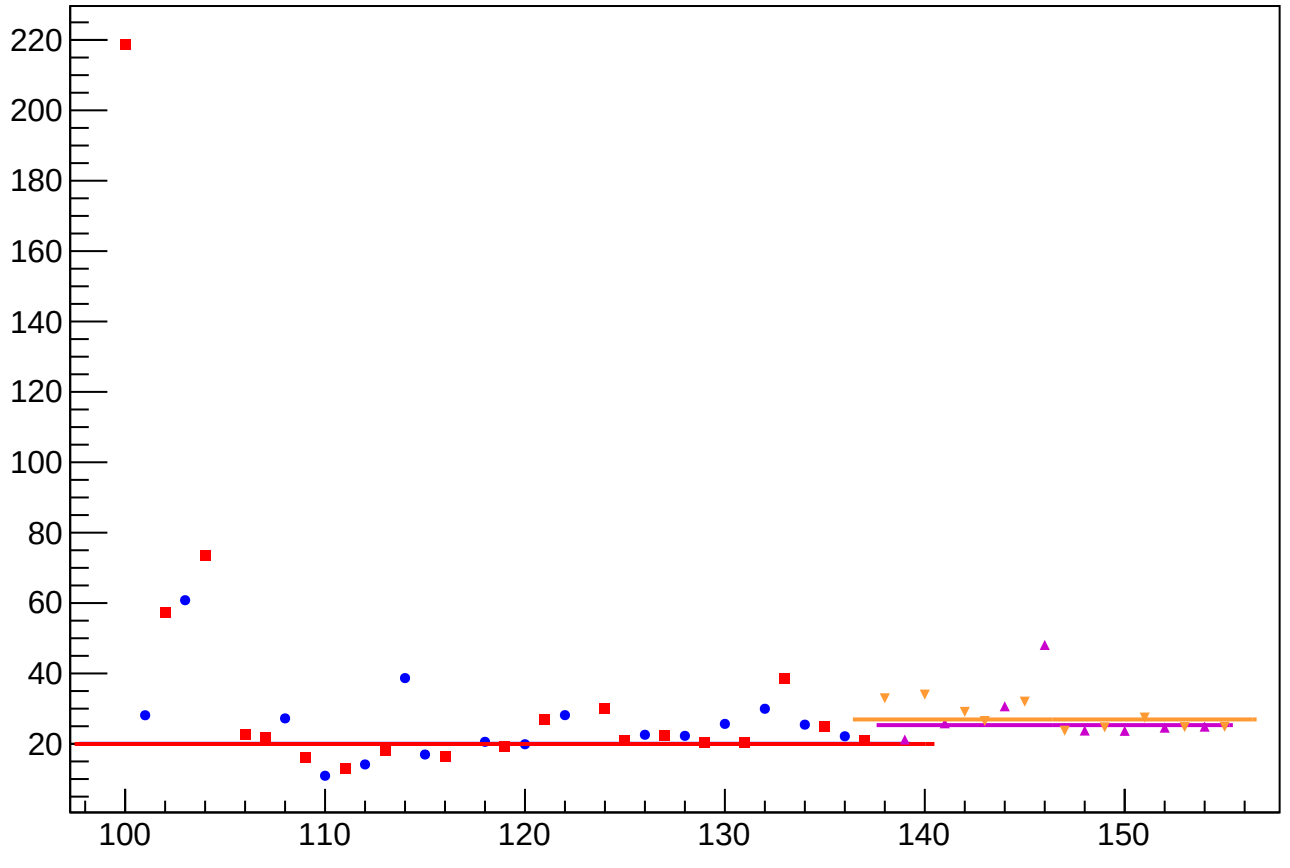
Left: 0.006+/-0.007 χ^2/NDF: 26.0/17

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.006 χ^2/NDF:20.5/23

Out: -0.002+/-0.006 χ^2/NDF:44.4/28

All: 0.002+/-0.004 χ^2/NDF: 65.6/52



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.928+/-0.007 χ^2/NDF:224053.4/9

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.320+/-0.007 χ^2/NDF:495795.4/7

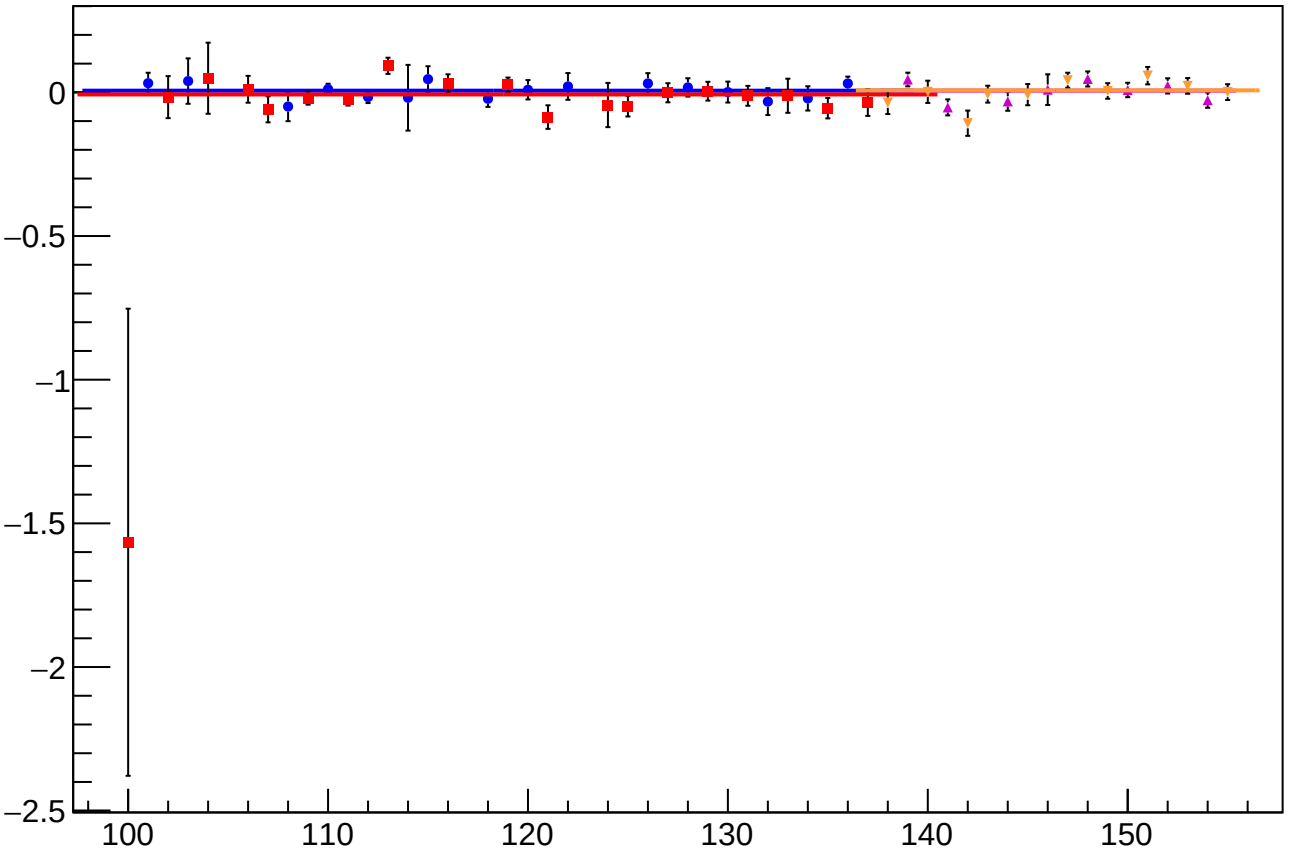
Left: 26.127+/-0.005 χ^2/NDF: 746314.0/17

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.153+/-0.004 χ^2/NDF:2480610.2/23

Out: 22.767+/-0.004 χ^2/NDF:2537065.2/28

All: 22.462+/-0.003 χ^2/NDF: 5027222.5/52



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.010 χ^2/NDF:13.4/9

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.006+/-0.010 χ^2/NDF:12.6/7

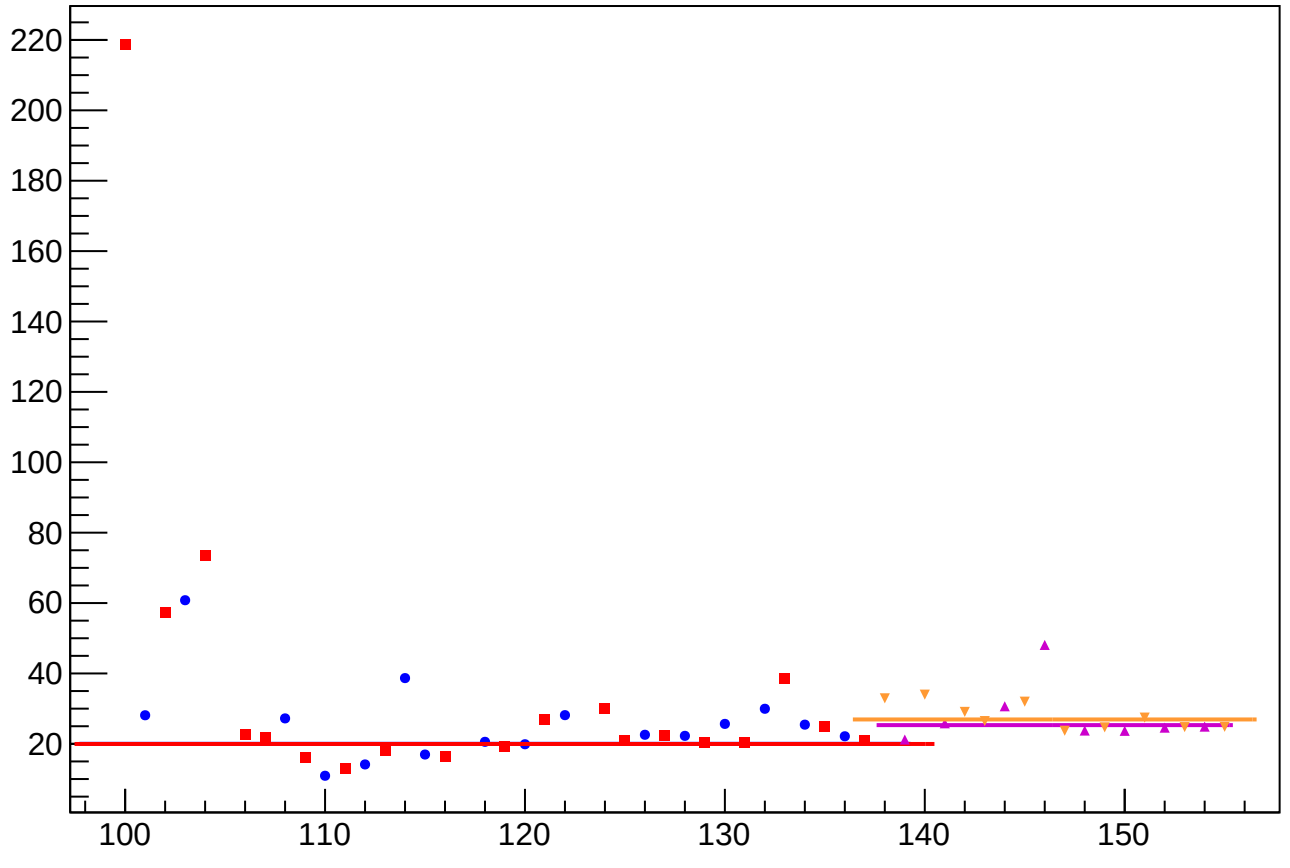
Left: 0.006+/-0.007 χ^2/NDF: 26.0/17

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.006 χ^2/NDF:20.5/23

Out: -0.002+/-0.006 χ^2/NDF:44.4/28

All: 0.002+/-0.004 χ^2/NDF: 65.6/52



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 26.928+/-0.007 χ^2/NDF:224053.4/9

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.320+/-0.007 χ^2/NDF:495795.4/7

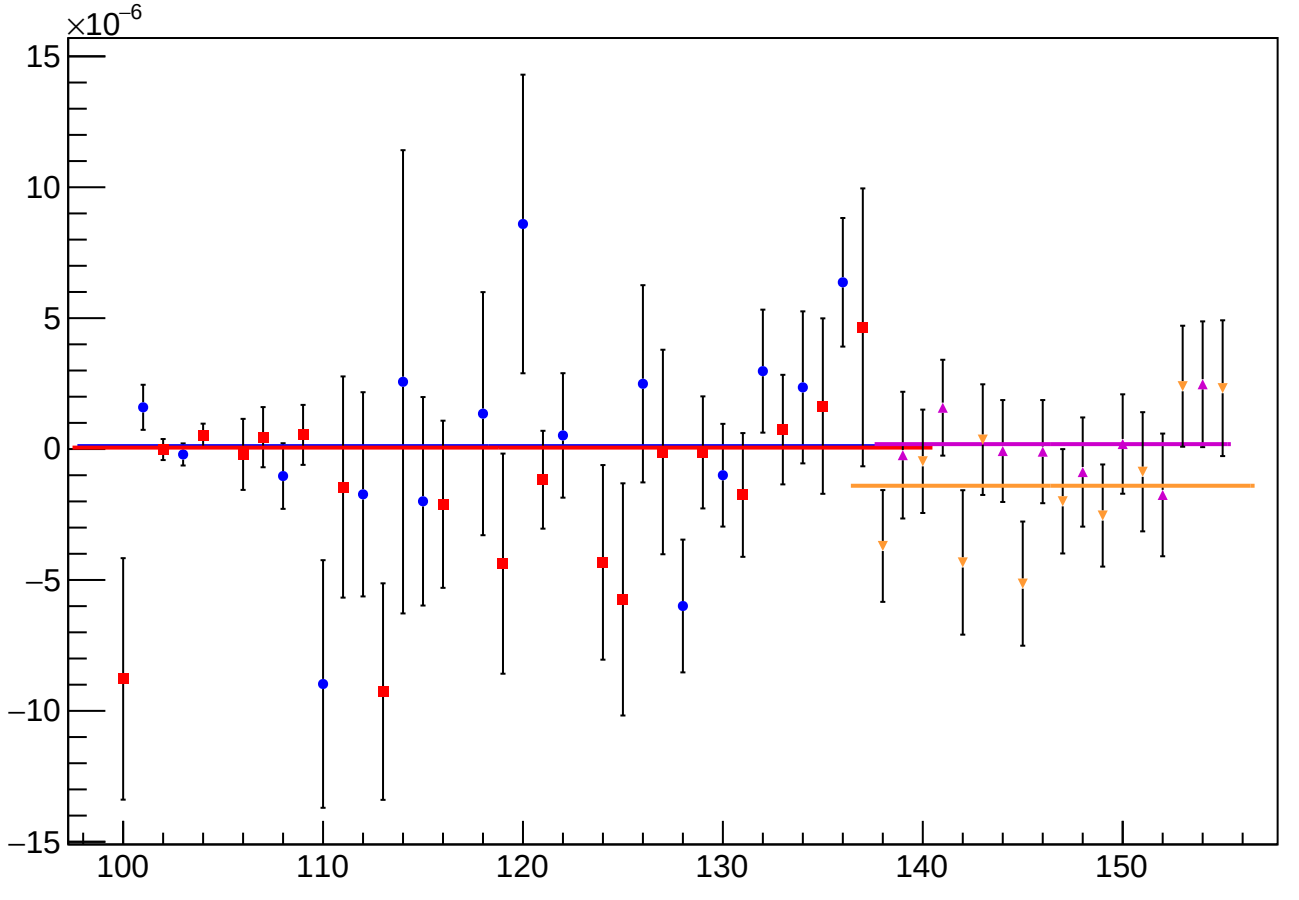
Left: 26.127+/-0.005 χ^2/NDF: 746314.0/17

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.153+/-0.004 χ^2/NDF:2480610.2/23

Out: 22.767+/-0.004 χ^2/NDF:2537065.2/28

All: 22.462+/-0.003 χ^2/NDF: 5027222.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/7

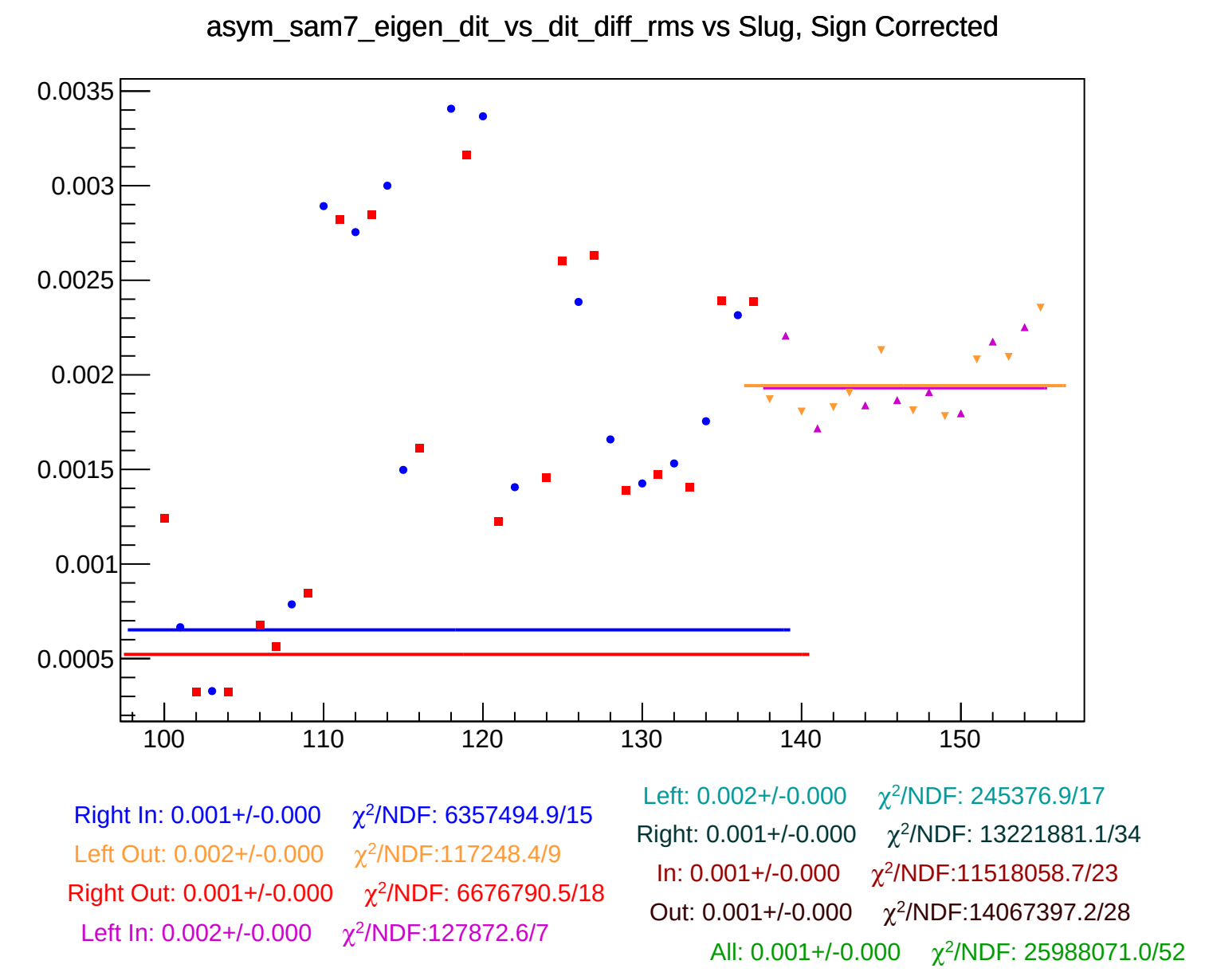
Left: -0.000+/-0.000 χ^2/NDF: 15.9/17

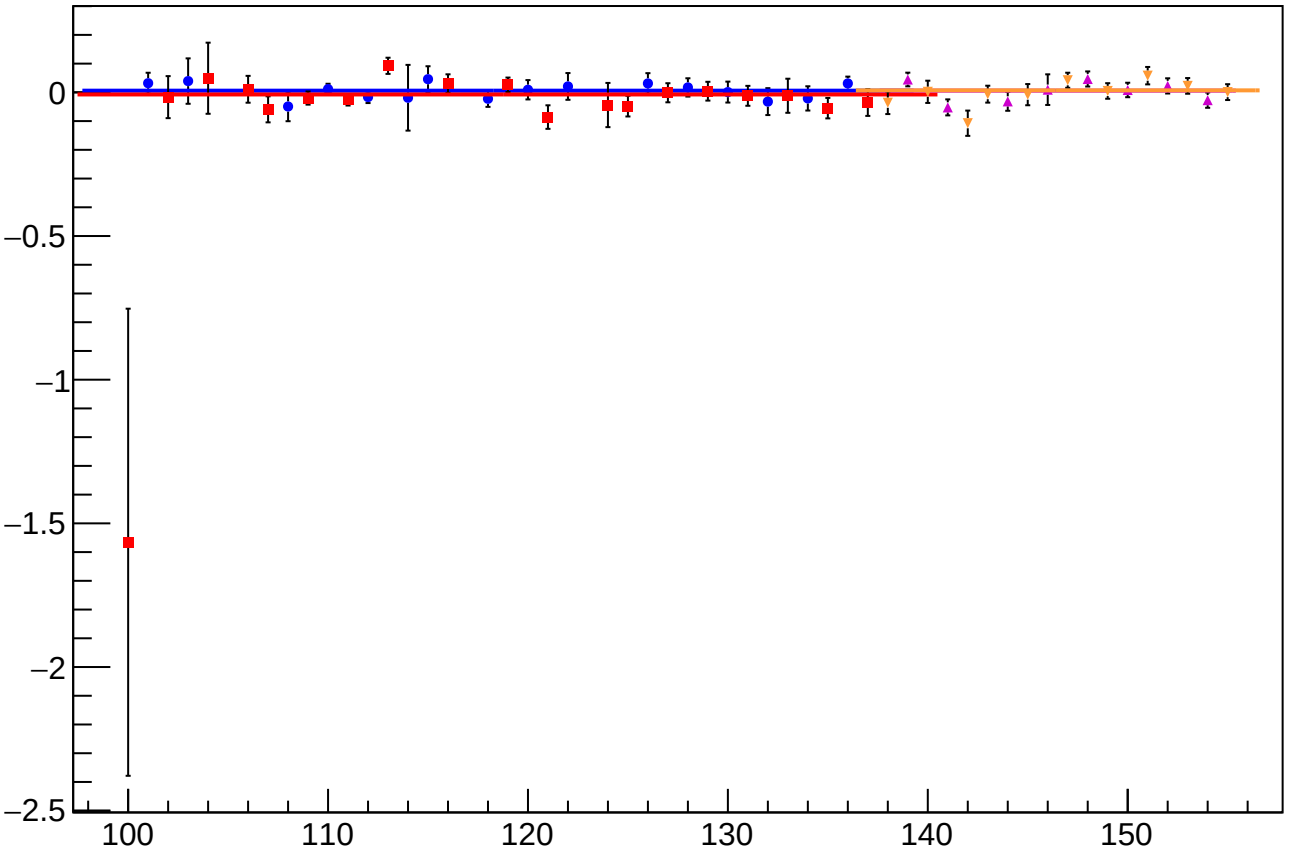
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:28.6/23

Out: -0.000+/-0.000 χ^2/NDF:31.9/28

All: -0.000+/-0.000 χ^2/NDF: 60.8/52


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:117248.4/9
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:127872.6/7
Left: 0.002+/-0.000 χ²/NDF: 245376.9/17
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:11518058.7/23
Out: 0.001+/-0.000 χ²/NDF:14067397.2/28
All: 0.001+/-0.000 χ²/NDF: 25988071.0/52



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.010 χ^2/NDF:13.4/9

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.006+/-0.010 χ^2/NDF:12.6/7

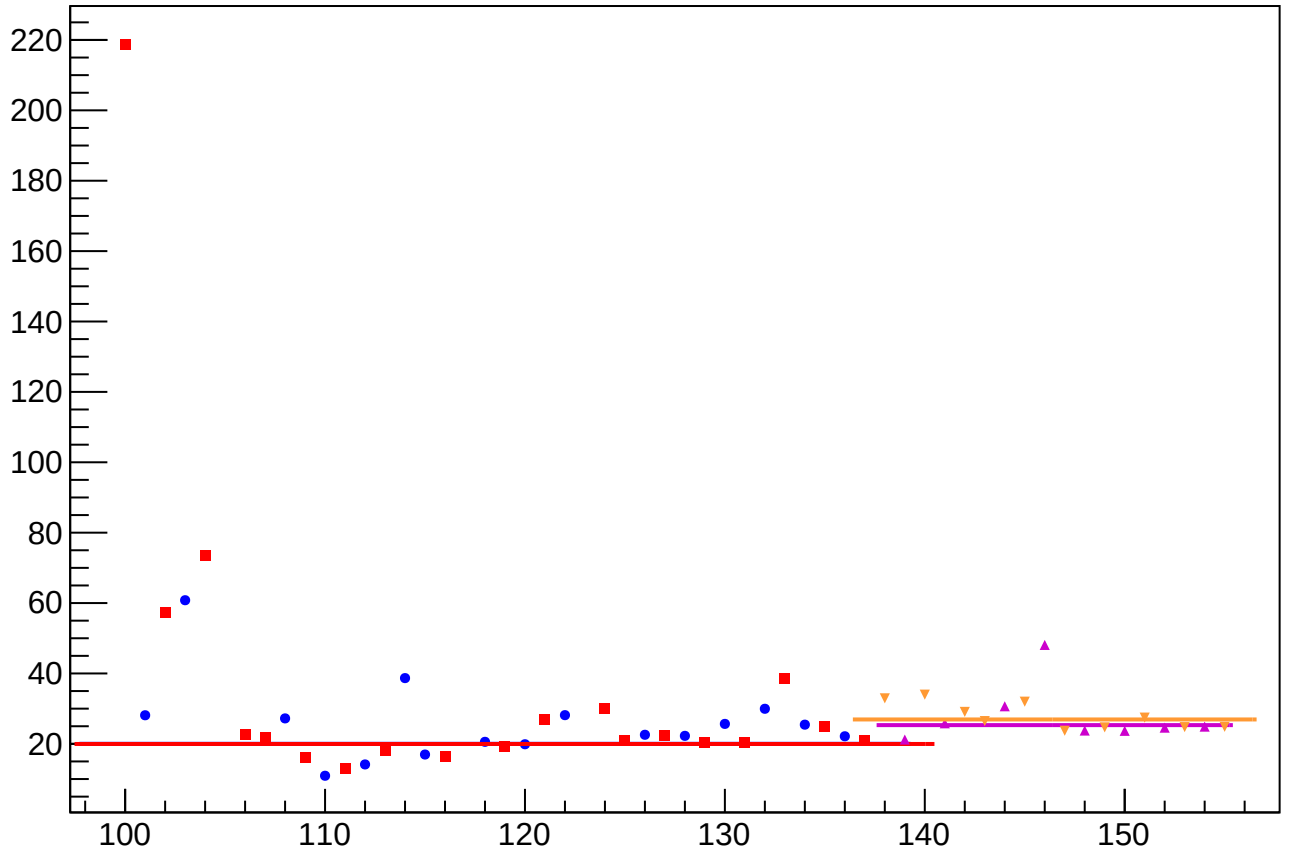
Left: 0.006+/-0.007 χ^2/NDF: 26.0/17

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.006 χ^2/NDF:20.5/23

Out: -0.002+/-0.006 χ^2/NDF:44.4/28

All: 0.002+/-0.004 χ^2/NDF: 65.6/52



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.928+/-0.007 χ^2/NDF:224067.3/9

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.320+/-0.007 χ^2/NDF:495804.8/7

Left: 26.127+/-0.005 χ^2/NDF: 746339.3/17

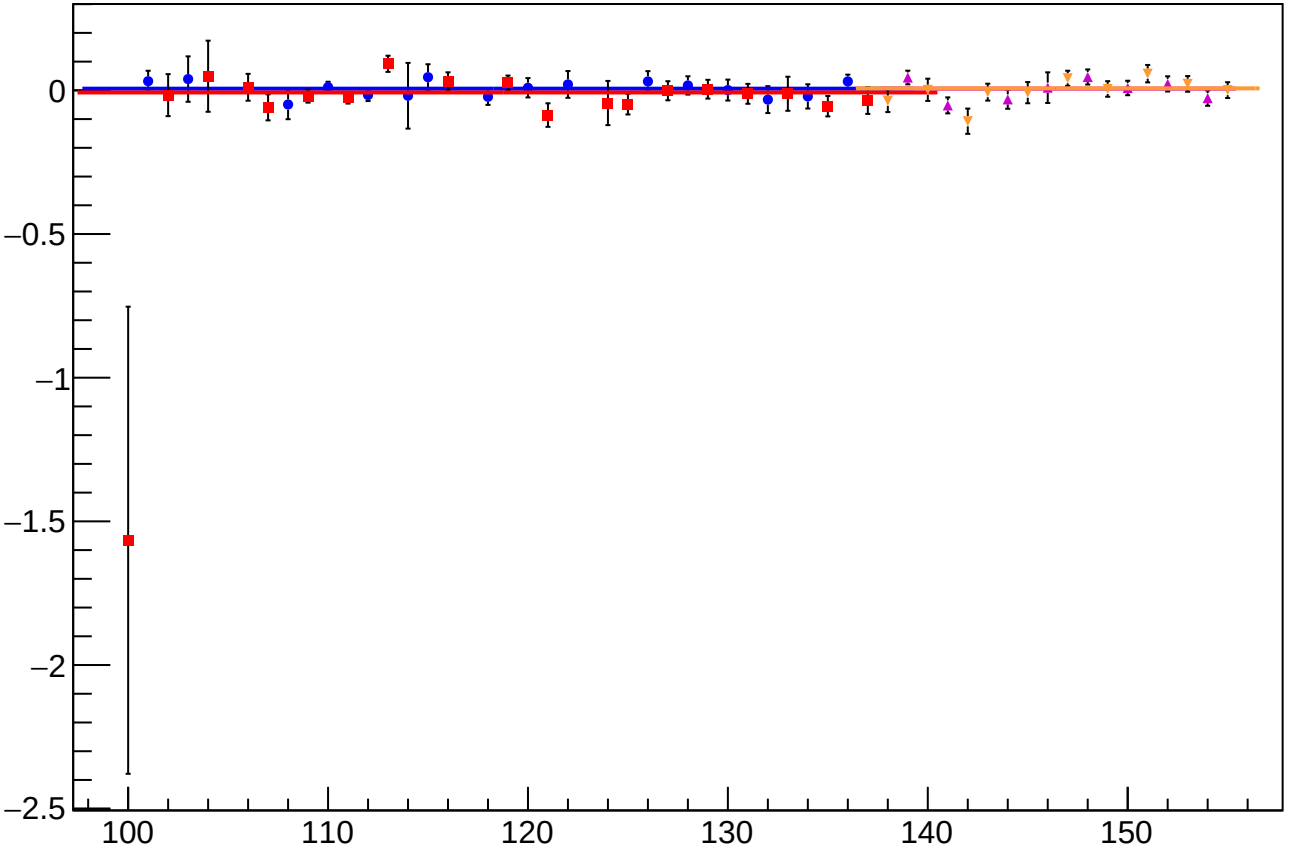
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.154+/-0.004 χ^2/NDF:2480380.5/23

Out: 22.767+/-0.004 χ^2/NDF:2537000.7/28

All: 22.463+/-0.003 χ^2/NDF: 5026921.6/52

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.007+/-0.010 χ^2/NDF:13.4/9

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.006+/-0.010 χ^2/NDF:12.6/7

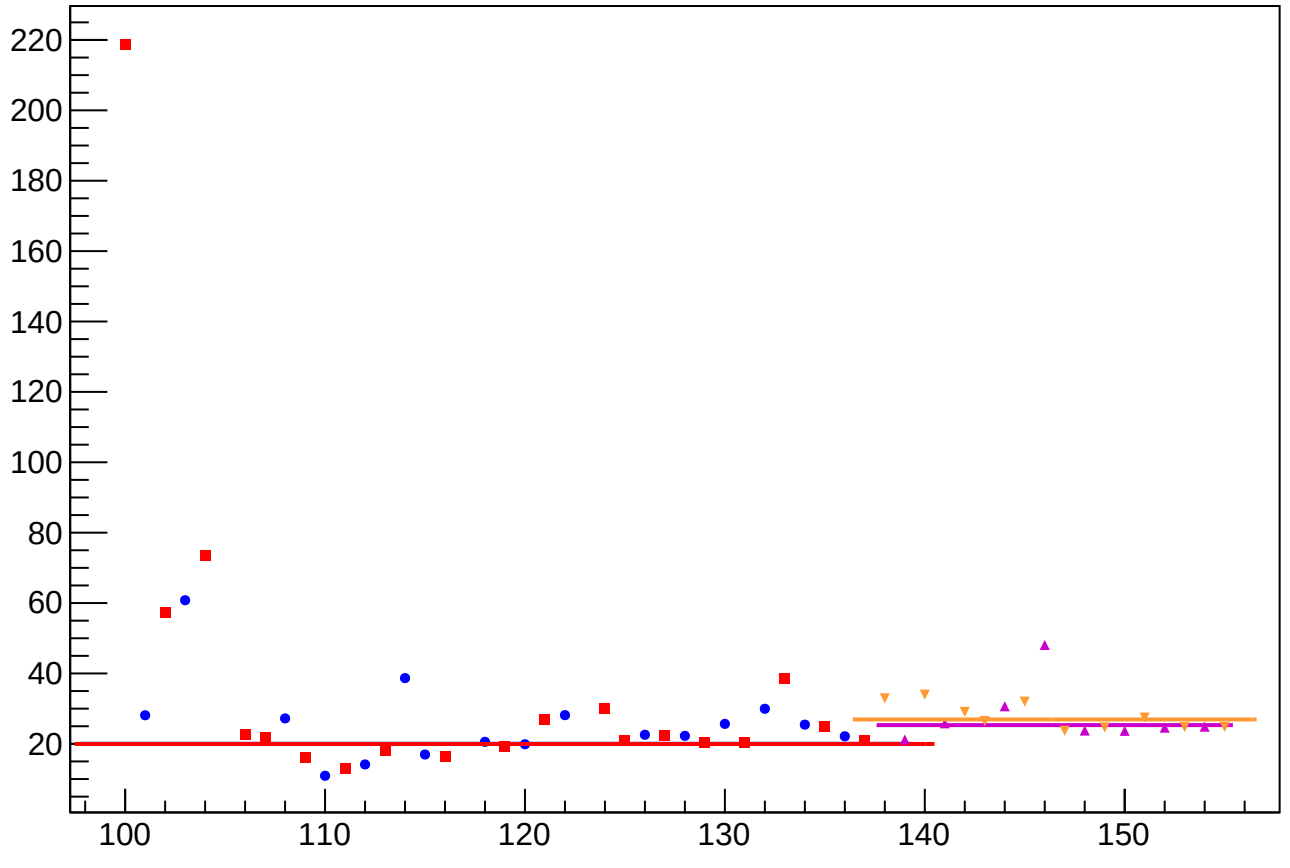
Left: 0.006+/-0.007 χ^2/NDF: 26.0/17

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.006+/-0.006 χ^2/NDF:20.5/23

Out: -0.002+/-0.006 χ^2/NDF:44.4/28

All: 0.002+/-0.004 χ^2/NDF: 65.6/52



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 26.928+/-0.007 χ^2/NDF:224067.3/9

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.320+/-0.007 χ^2/NDF:495804.8/7

Left: 26.127+/-0.005 χ^2/NDF: 746339.3/17

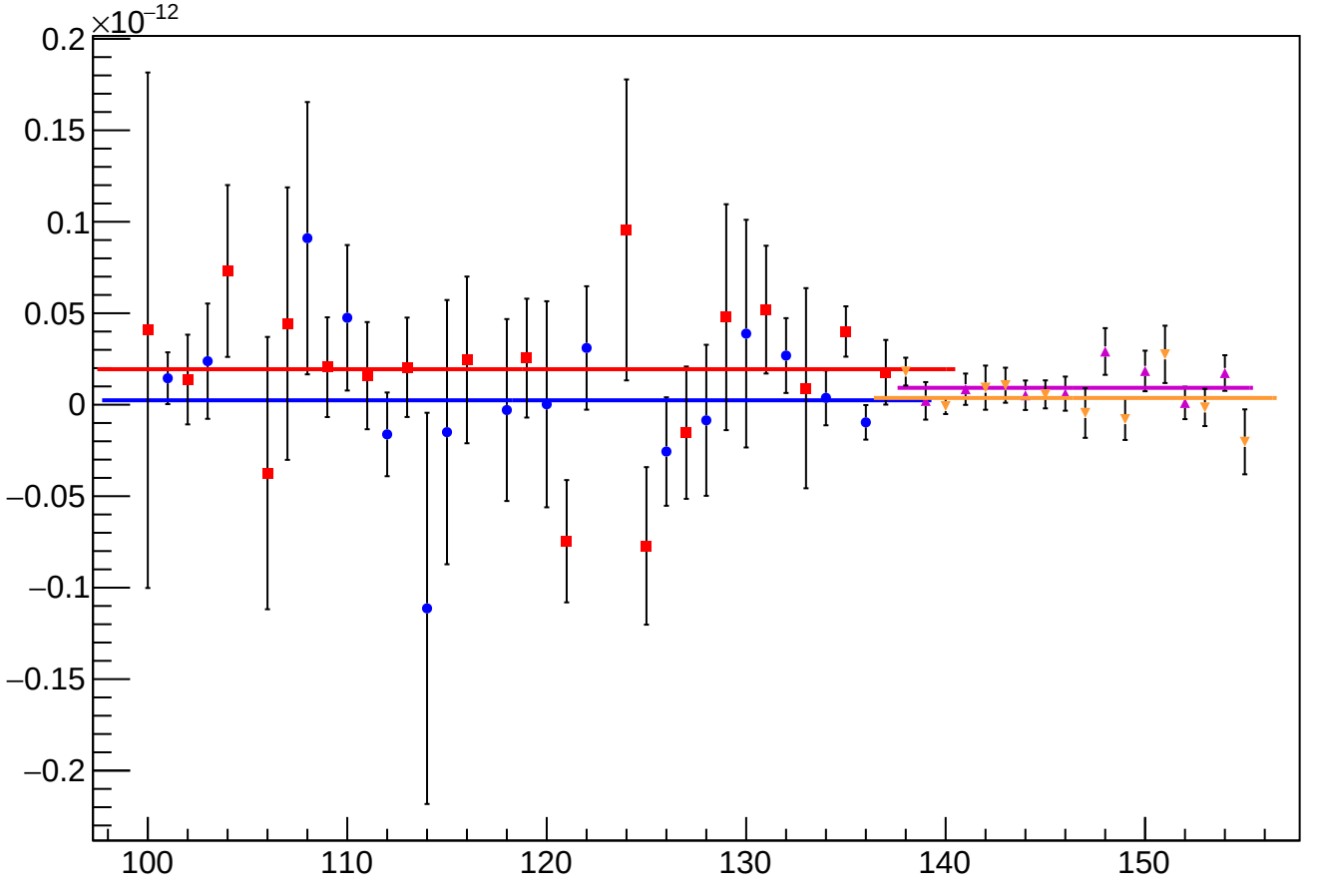
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.154+/-0.004 χ^2/NDF:2480380.5/23

Out: 22.767+/-0.004 χ^2/NDF:2537000.7/28

All: 22.463+/-0.003 χ^2/NDF: 5026921.6/52

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/7

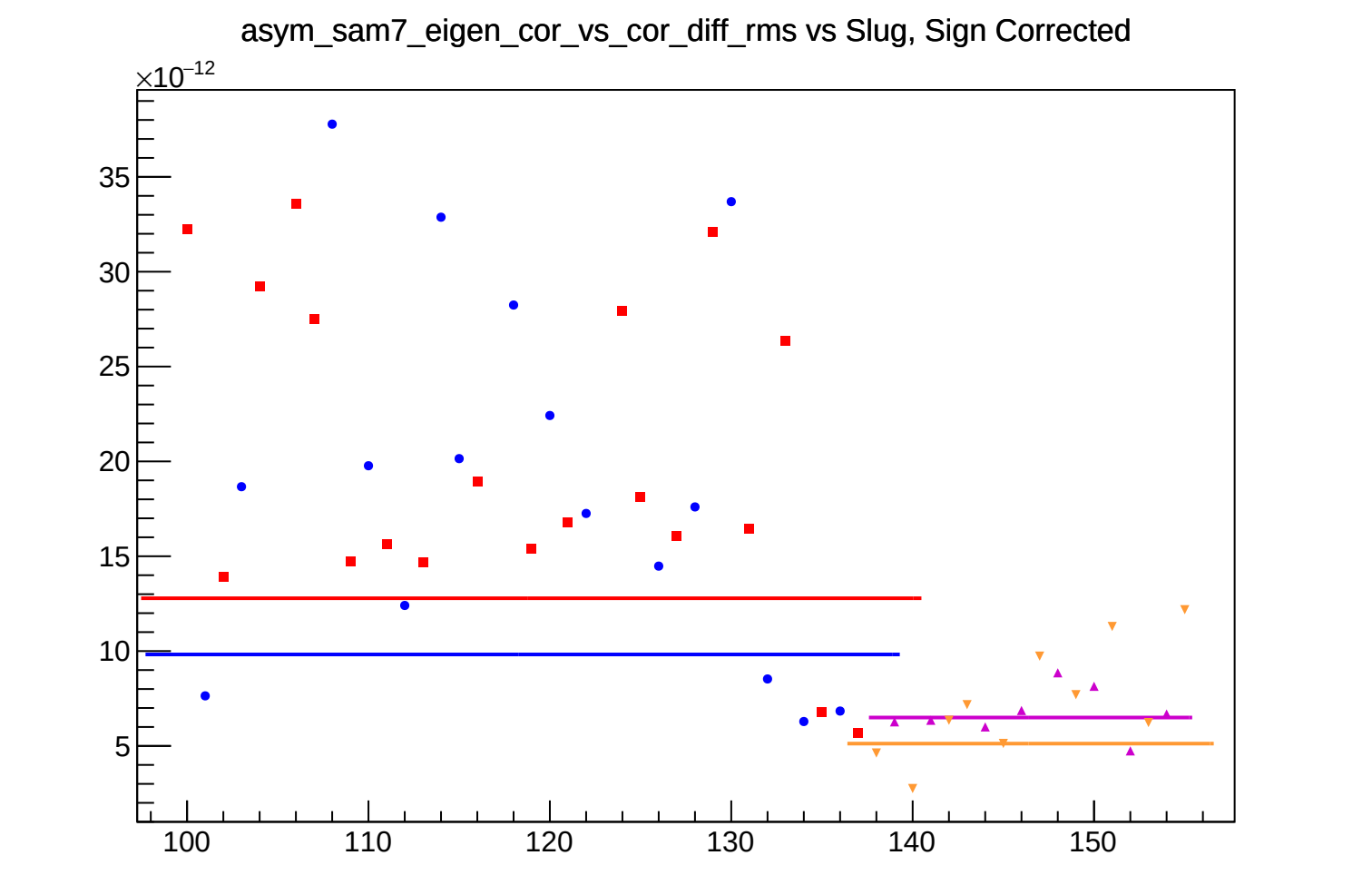
Left: 0.000+/-0.000 χ^2/NDF: 18.4/17

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:17.4/23

Out: 0.000+/-0.000 χ^2/NDF:35.8/28

All: 0.000+/-0.000 χ^2/NDF: 53.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1698693.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

Left In: 0.000+/-0.000 χ^2/NDF:204111.0/7

Left: 0.000+/-0.000 χ^2/NDF: 2103779.9/17

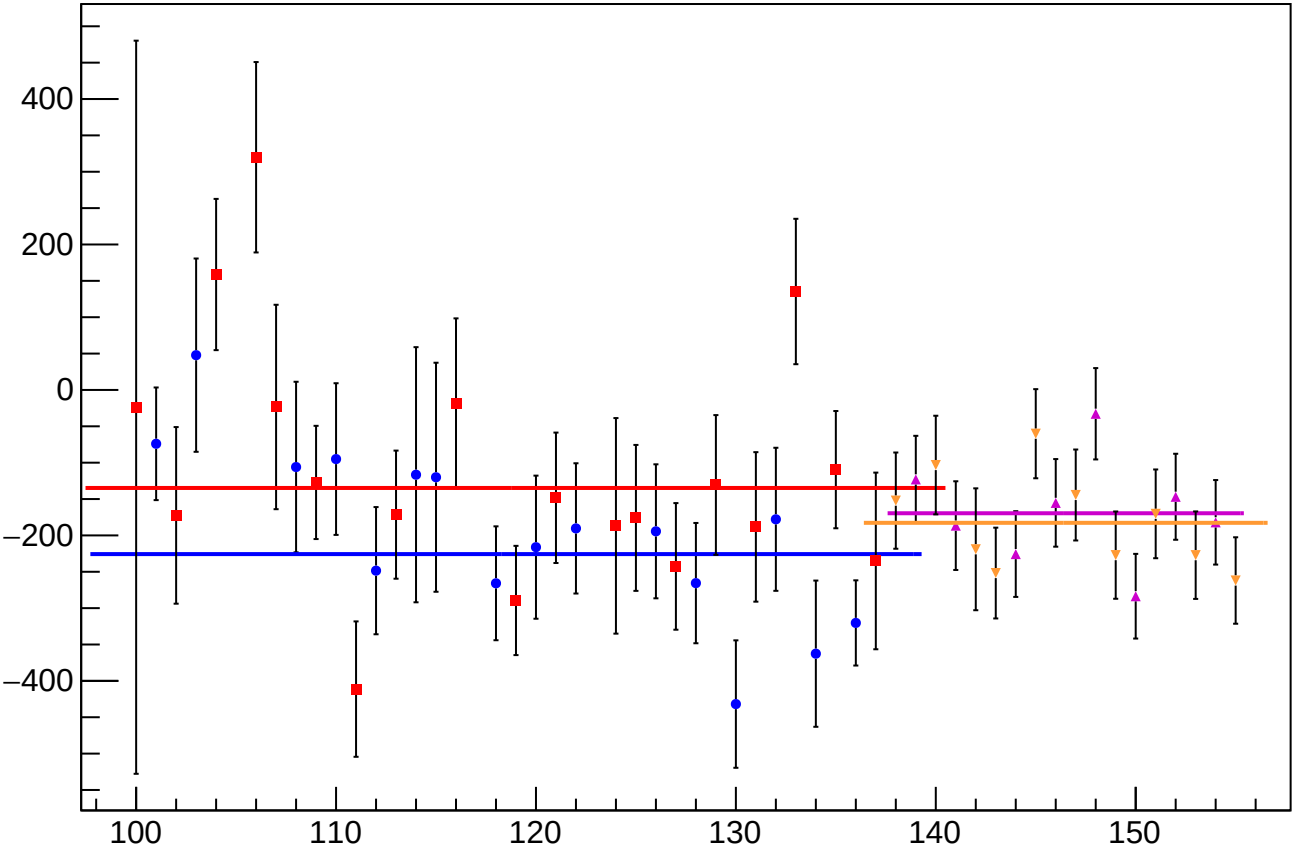
Right: 0.000+/-0.000 χ^2/NDF: 3988919.3/34

In: 0.000+/-0.000 χ^2/NDF:2683059.5/23

Out: 0.000+/-0.000 χ^2/NDF:5550327.7/28

All: 0.000+/-0.000 χ^2/NDF: 8441526.4/52

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -182.693+/-20.109 χ^2/NDF:10.3/9

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -169.530+/-21.118 χ^2/NDF:10.4/7

Left: -176.434+/-14.563 χ^2/NDF: 20.9/17

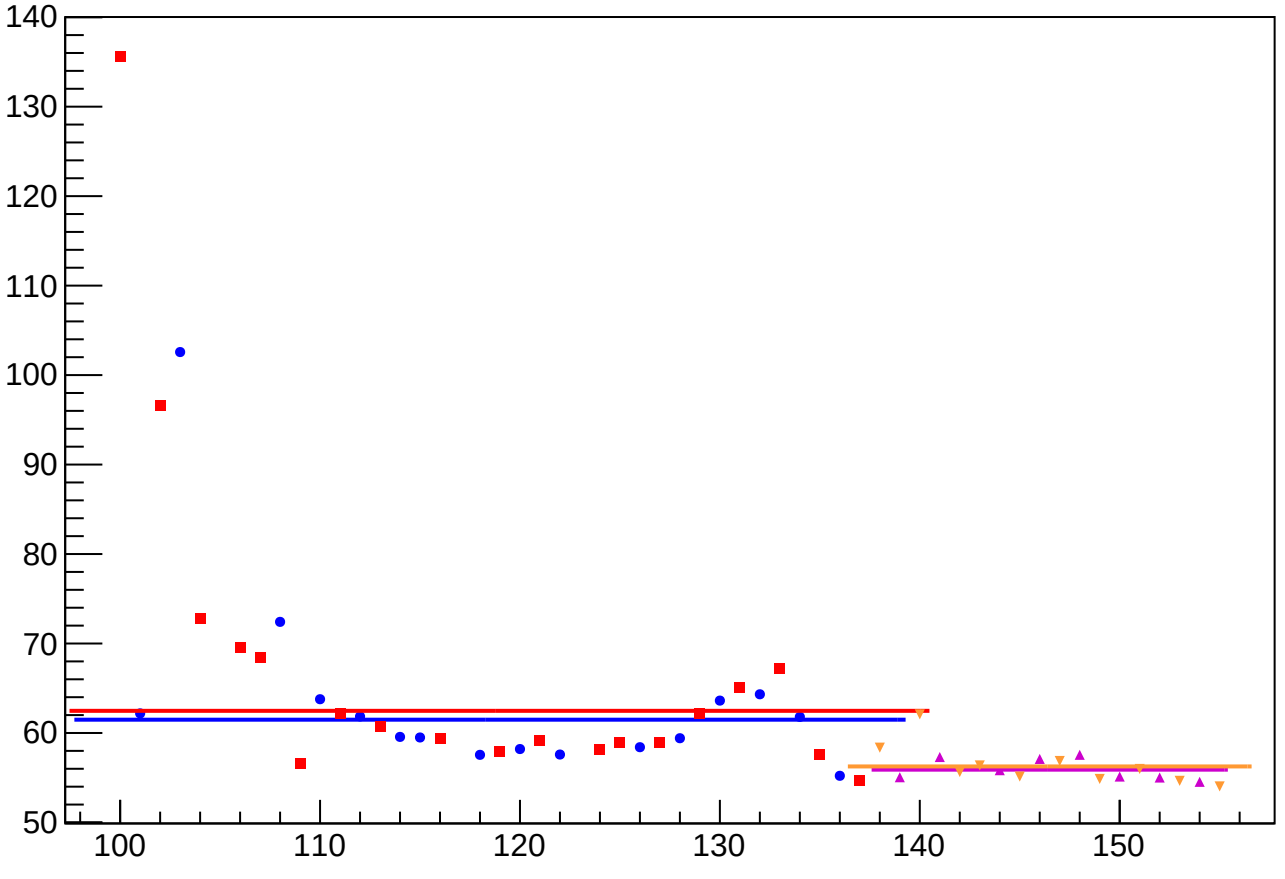
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -195.077+/-15.592 χ^2/NDF:36.2/23

Out: -162.123+/-15.193 χ^2/NDF:58.0/28

All: -178.173+/-10.881 χ^2/NDF: 96.5/52

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.261+/-0.014 χ^2/NDF:23133.2/9

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 55.901+/-0.015 χ^2/NDF:5555.5/7

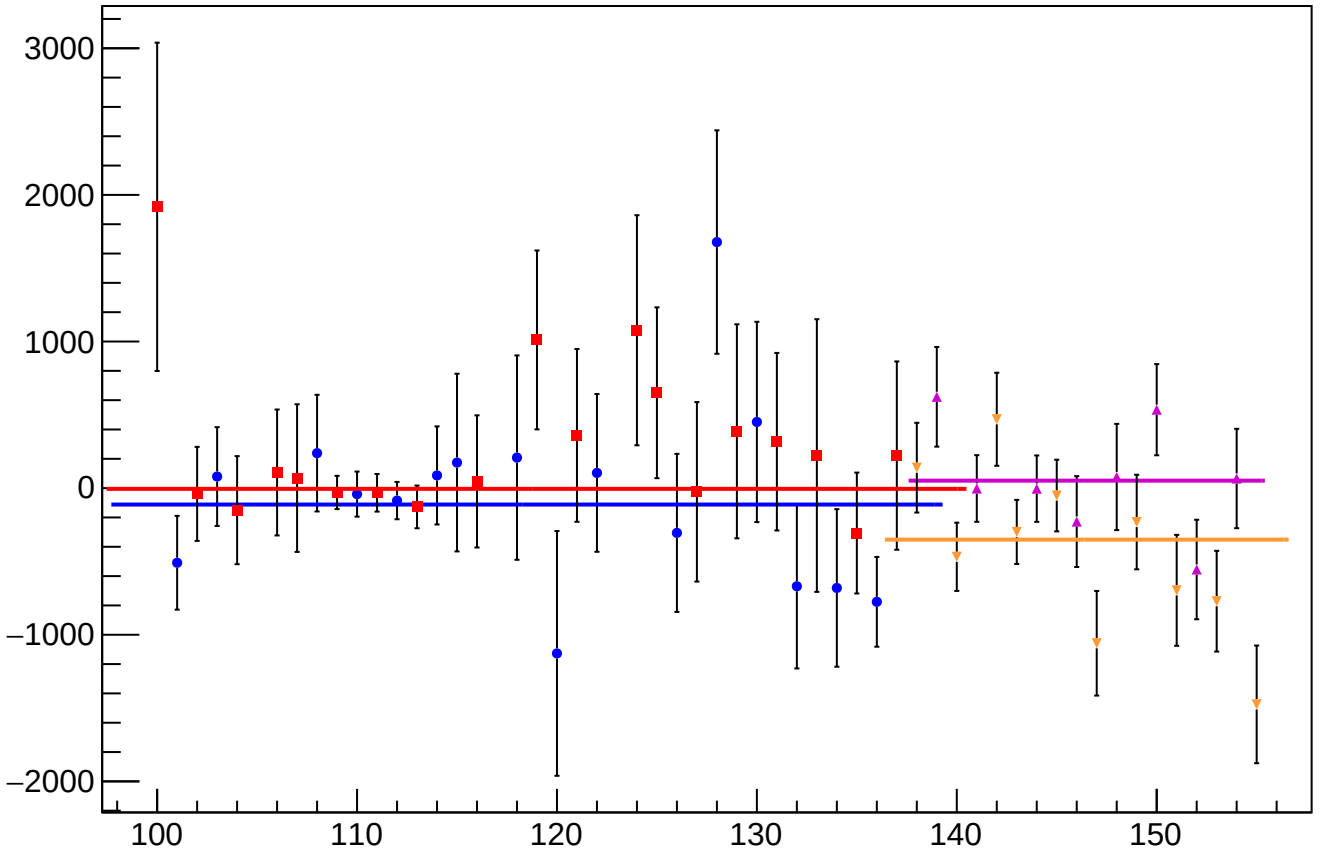
Left: 56.090+/-0.010 χ^2/NDF: 28993.3/17

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.441+/-0.011 χ^2/NDF:319851.4/23

Out: 58.928+/-0.011 χ^2/NDF:386269.3/28

All: 58.691+/-0.008 χ^2/NDF: 707120.0/52



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -351.138+/-92.920 χ^2/NDF:25.3/9

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 51.062+/-103.541 χ^2/NDF:9.4/7

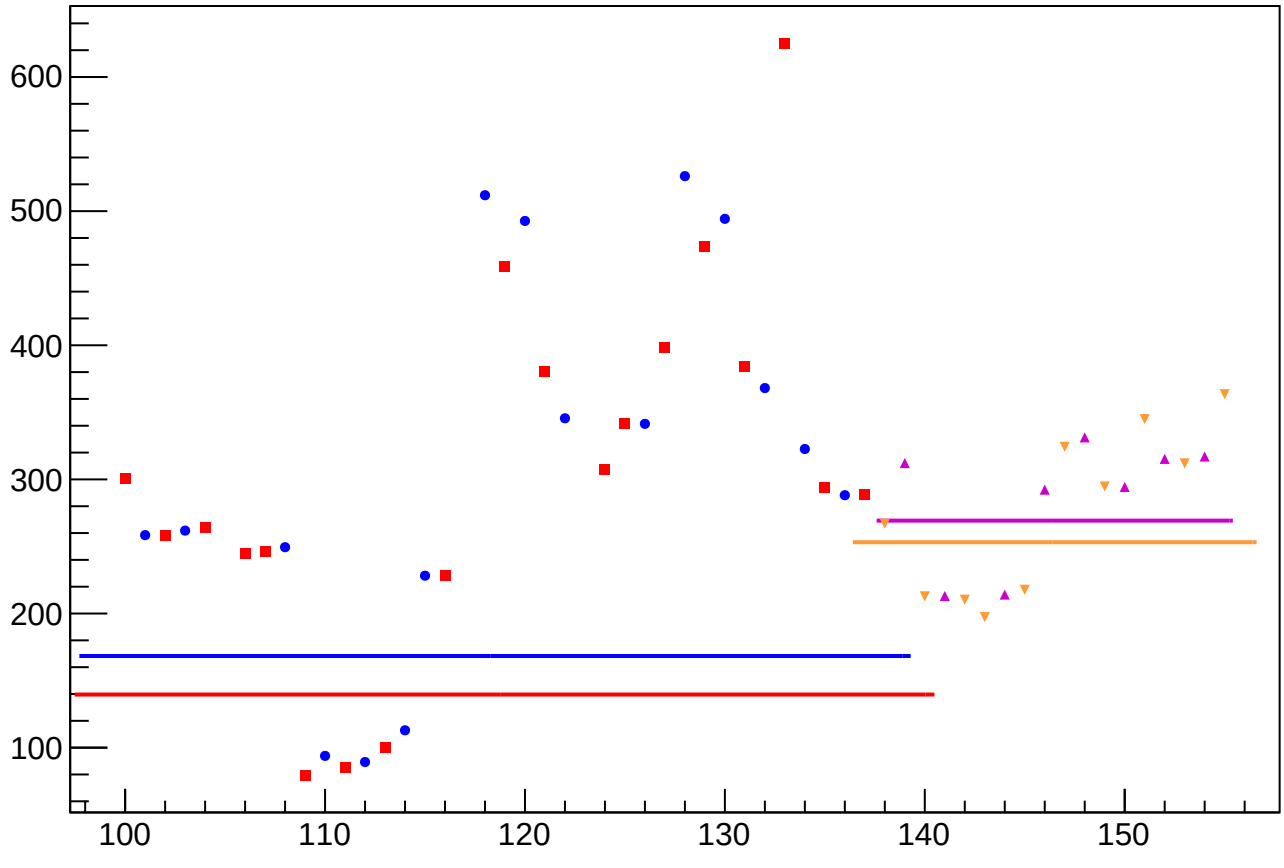
Left: -171.719+/-69.155 χ^2/NDF: 43.0/17

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -54.625+/-61.378 χ^2/NDF:29.4/23

Out: -116.141+/-52.670 χ^2/NDF:46.4/28

All: -90.053+/-39.971 χ^2/NDF: 76.4/52



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 253.147+/-0.066 χ^2/NDF:713089.0/9

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 269.261+/-0.073 χ^2/NDF:432059.1/7

Left: 260.335+/-0.049 χ^2/NDF: 1171980.1/17

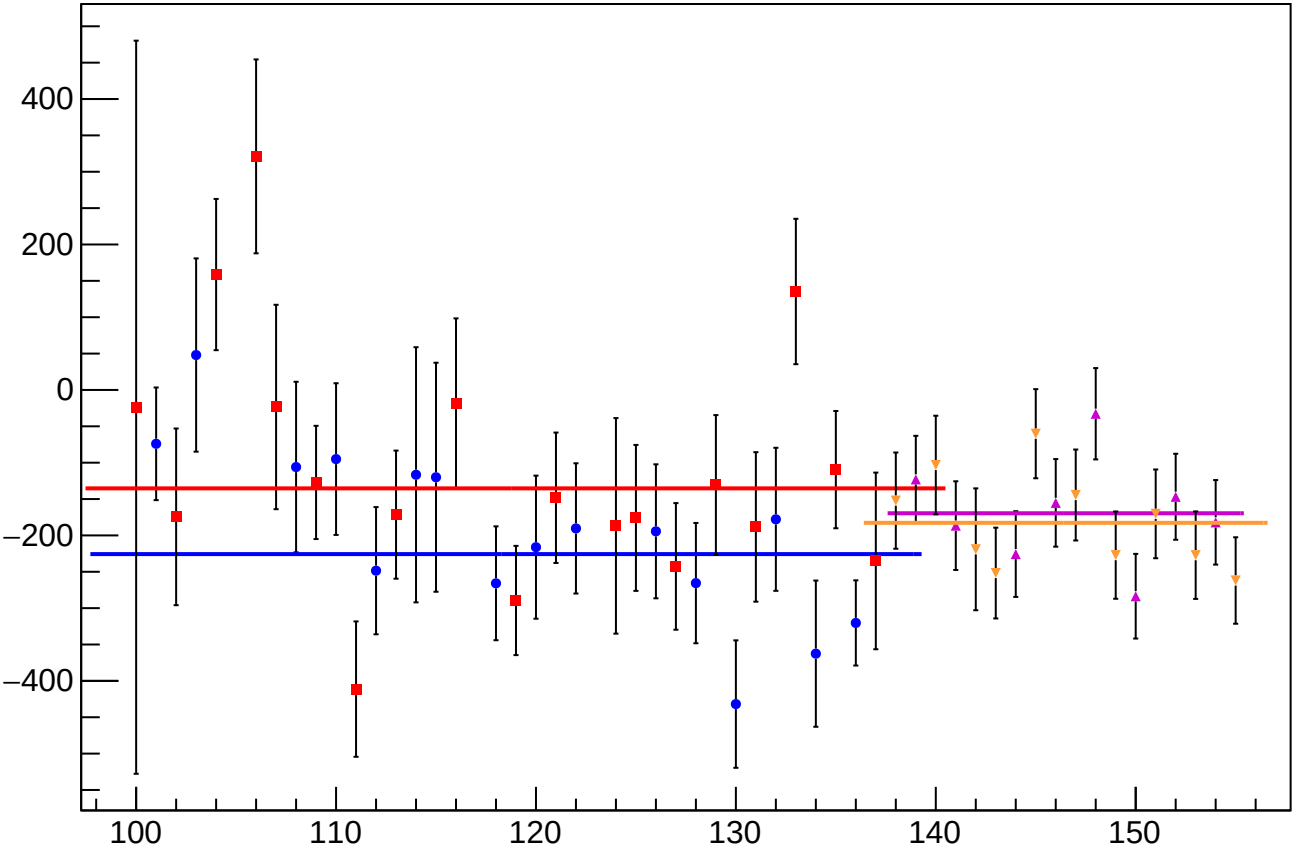
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 203.797+/-0.043 χ^2/NDF:6208740.3/23

Out: 176.078+/-0.037 χ^2/NDF:7894421.4/28

All: 187.833+/-0.028 χ^2/NDF: 14338080.5/52

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -182.691+/-20.109 χ^2/NDF:10.3/9

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -169.530+/-21.118 χ^2/NDF:10.4/7

Left: -176.432+/-14.563 χ^2/NDF: 20.9/17

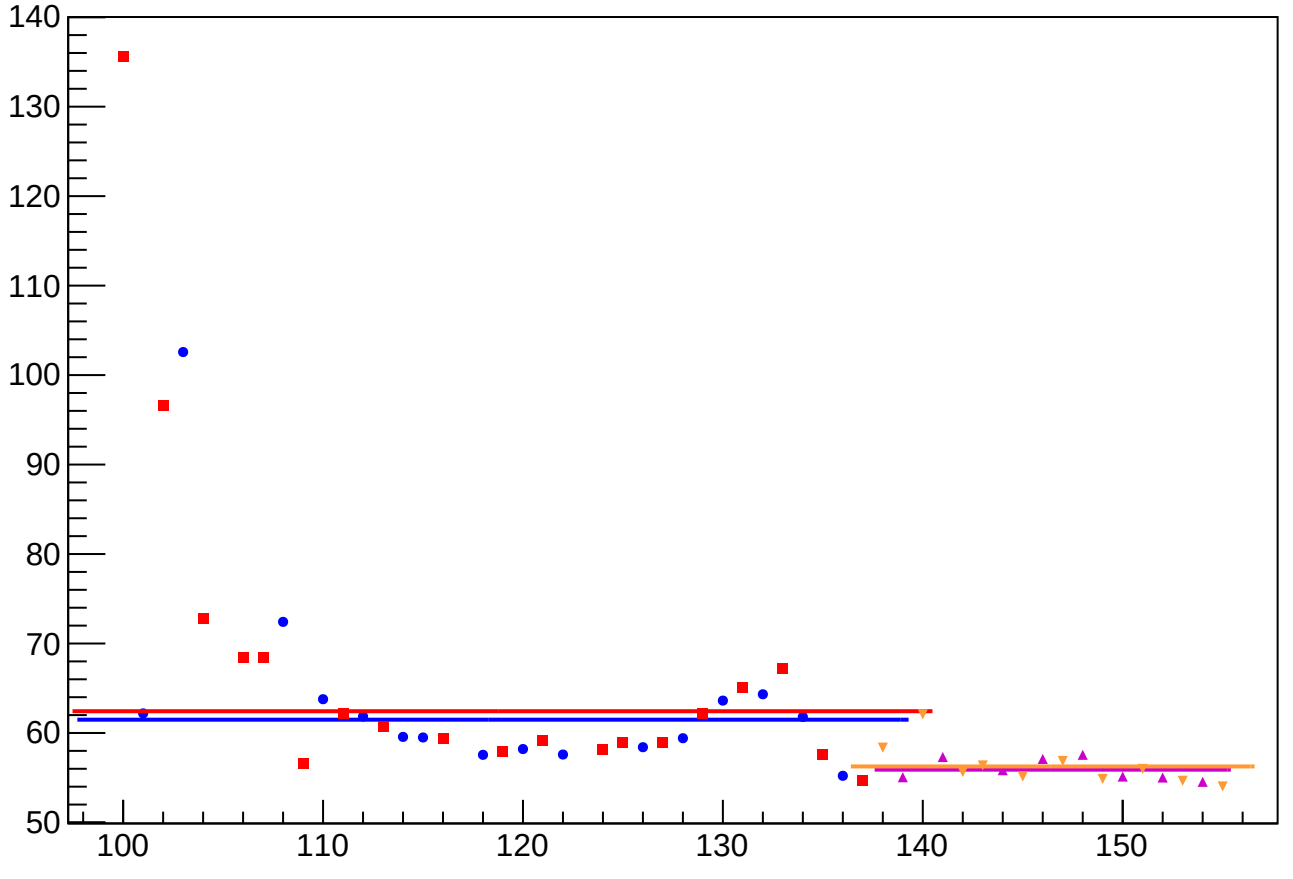
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -195.076+/-15.592 χ^2/NDF:36.3/23

Out: -162.371+/-15.197 χ^2/NDF:57.6/28

All: -178.303+/-10.883 χ^2/NDF: 96.1/52

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.261+/-0.014 χ^2/NDF:23133.2/9

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 55.901+/-0.015 χ^2/NDF:5555.5/7

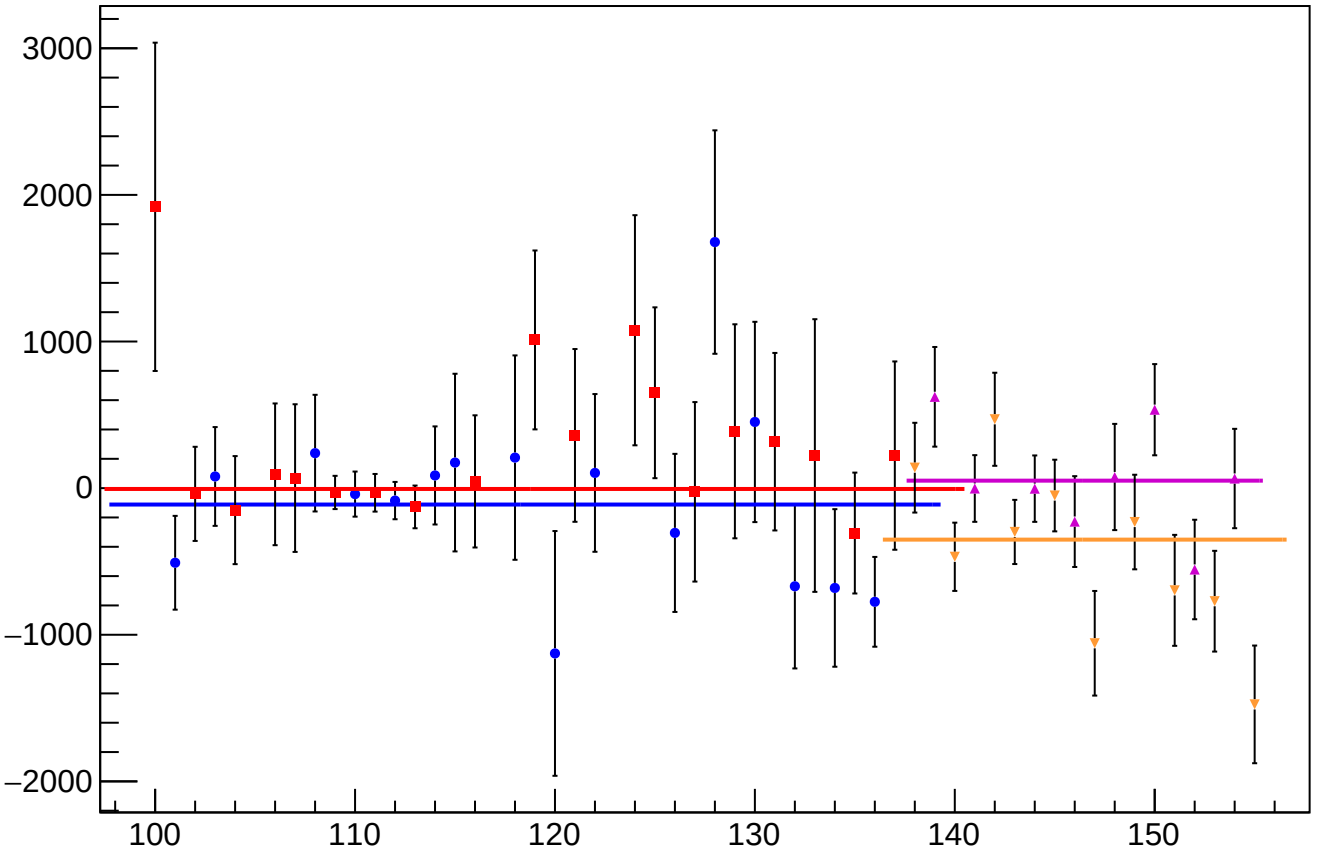
Left: 56.090+/-0.010 χ^2/NDF: 28993.3/17

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.441+/-0.011 χ^2/NDF:319854.0/23

Out: 58.908+/-0.011 χ^2/NDF:383343.8/28

All: 58.681+/-0.008 χ^2/NDF: 704115.5/52



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -351.135+/-92.920 χ^2/NDF:25.3/9

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 51.061+/-103.541 χ^2/NDF:9.4/7

Left: -171.717+/-69.155 χ^2/NDF: 43.0/17

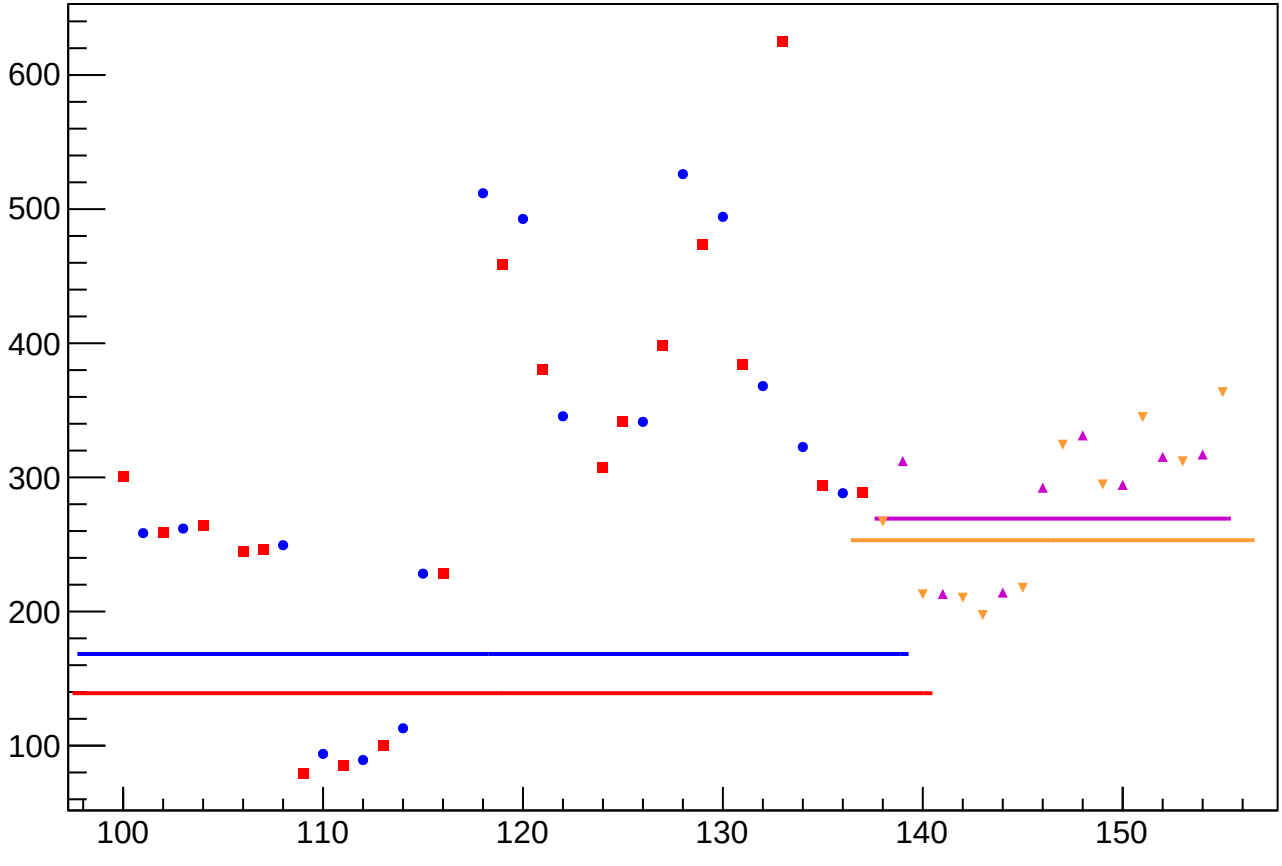
Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -54.613+/-61.378 χ^2/NDF:29.4/23

Out: -116.989+/-52.755 χ^2/NDF:46.3/28

All: -90.487+/-40.008 χ^2/NDF: 76.3/52

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 253.147+/-0.066 χ^2/NDF:713093.7/9

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 269.261+/-0.073 χ^2/NDF:432059.5/7

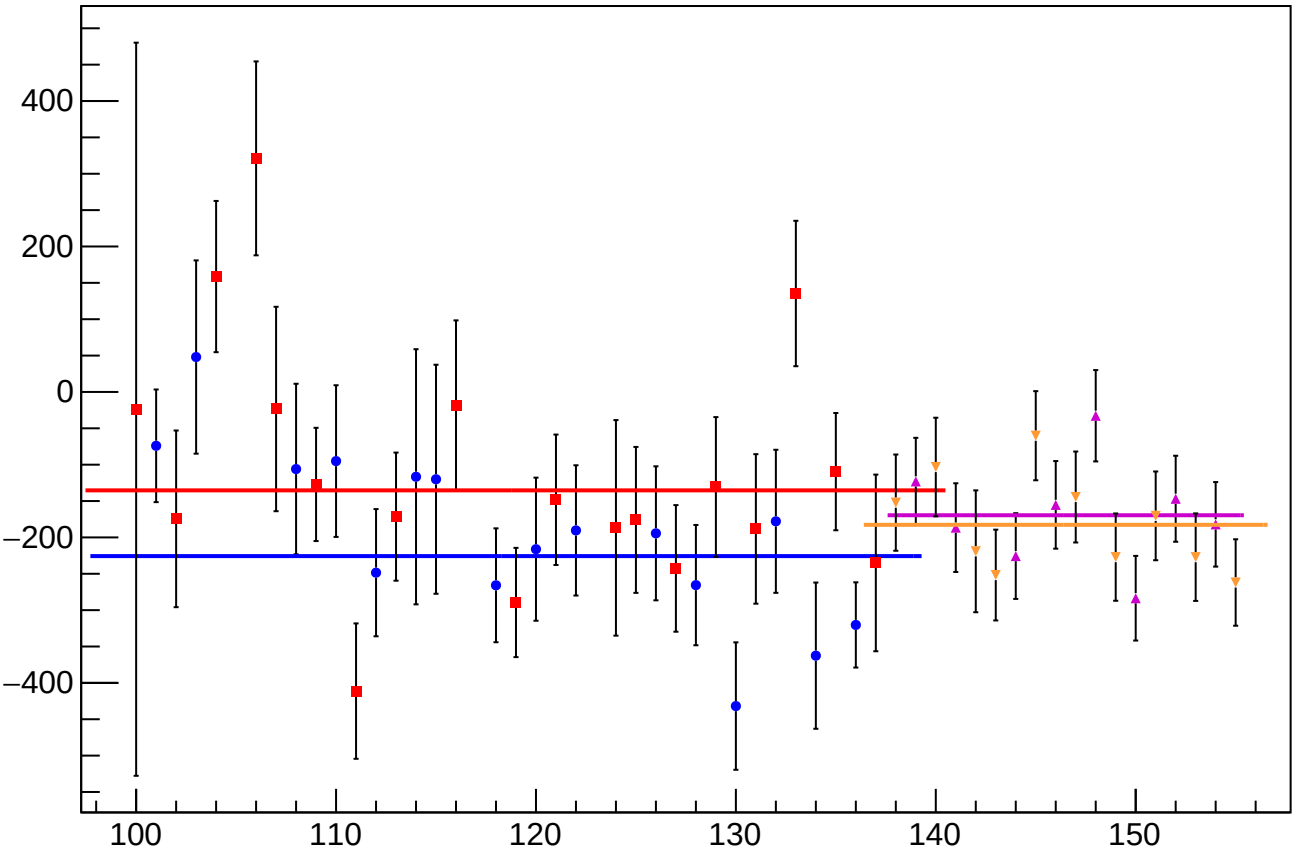
Left: 260.335+/-0.049 χ^2/NDF: 1171986.2/17

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 203.797+/-0.043 χ^2/NDF:6208786.3/23

Out: 175.864+/-0.037 χ^2/NDF:7884643.9/28

All: 187.732+/-0.028 χ^2/NDF: 14331661.1/52



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -182.691+/-20.109 χ^2/NDF:10.3/9

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -169.530+/-21.118 χ^2/NDF:10.4/7

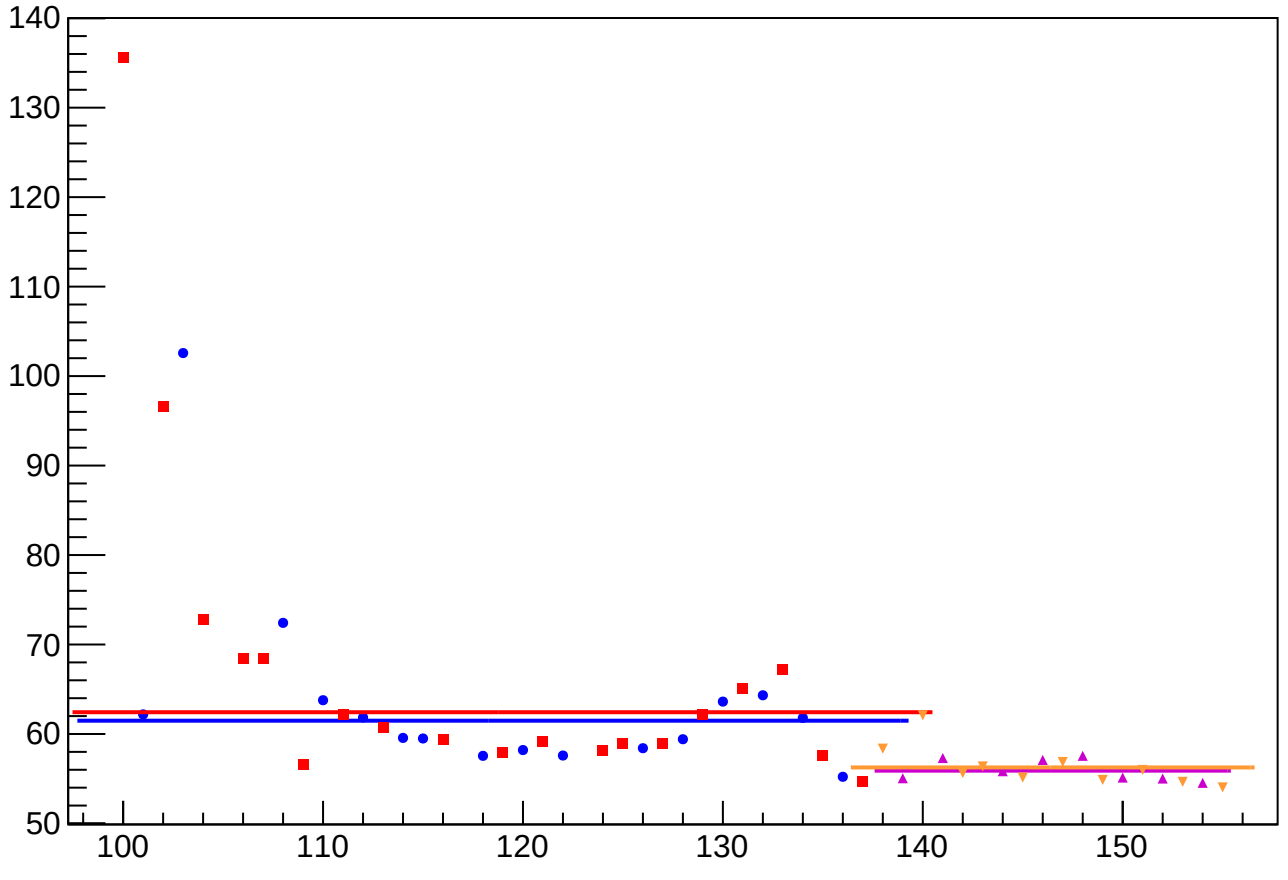
Left: -176.432+/-14.563 χ^2/NDF: 20.9/17

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -195.076+/-15.592 χ^2/NDF:36.3/23

Out: -162.371+/-15.197 χ^2/NDF:57.6/28

All: -178.303+/-10.883 χ^2/NDF: 96.1/52



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.261+/-0.014 χ^2/NDF:23133.2/9

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 55.901+/-0.015 χ^2/NDF:5555.5/7

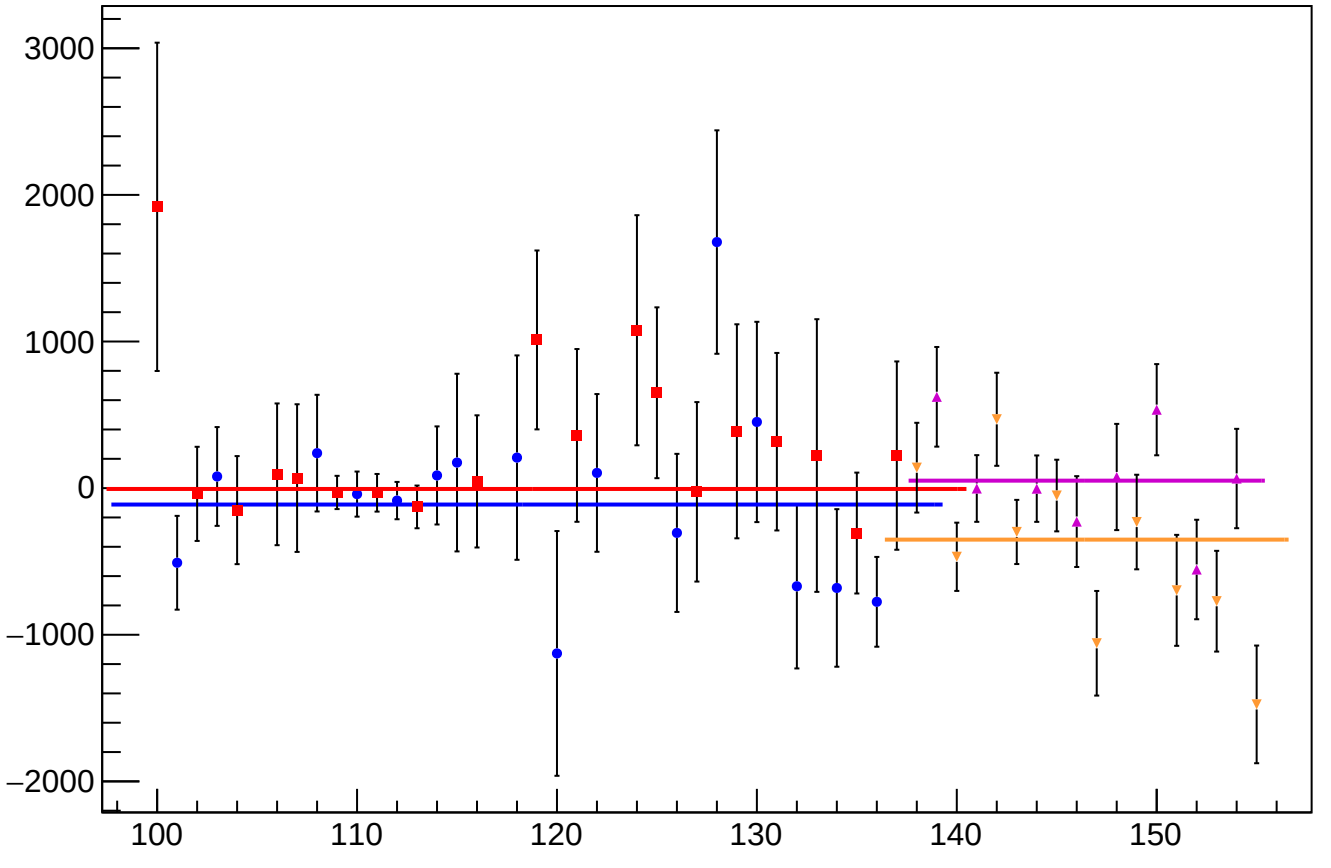
Left: 56.090+/-0.010 χ^2/NDF: 28993.3/17

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.441+/-0.011 χ^2/NDF:319854.0/23

Out: 58.908+/-0.011 χ^2/NDF:383343.8/28

All: 58.681+/-0.008 χ^2/NDF: 704115.5/52



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -351.135+/-92.920 χ^2/NDF:25.3/9

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 51.061+/-103.541 χ^2/NDF:9.4/7

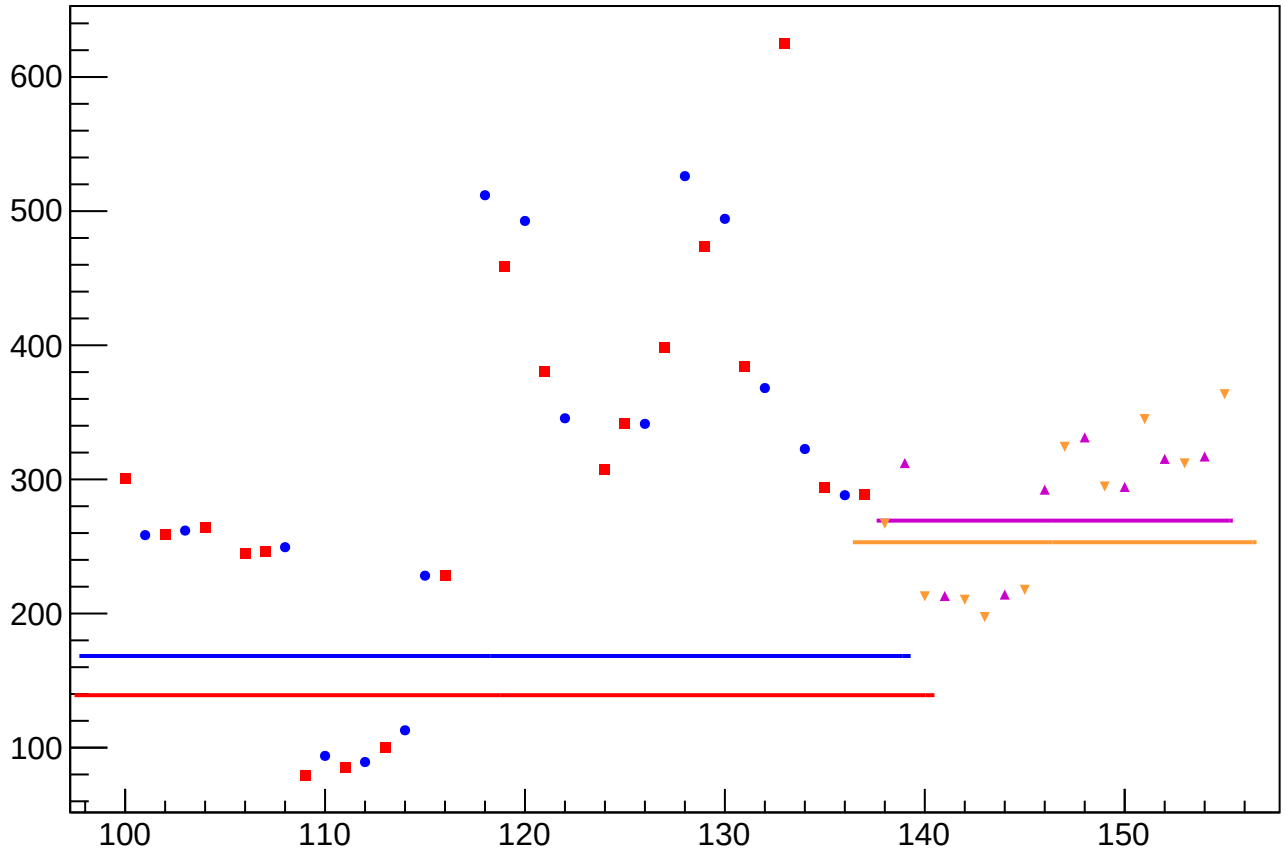
Left: -171.717+/-69.155 χ^2/NDF: 43.0/17

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -54.613+/-61.378 χ^2/NDF:29.4/23

Out: -116.989+/-52.755 χ^2/NDF:46.3/28

All: -90.487+/-40.008 χ^2/NDF: 76.3/52



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 253.147+/-0.066 χ^2/NDF:713093.7/9

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 269.261+/-0.073 χ^2/NDF:432059.5/7

Left: 260.335+/-0.049 χ^2/NDF: 1171986.2/17

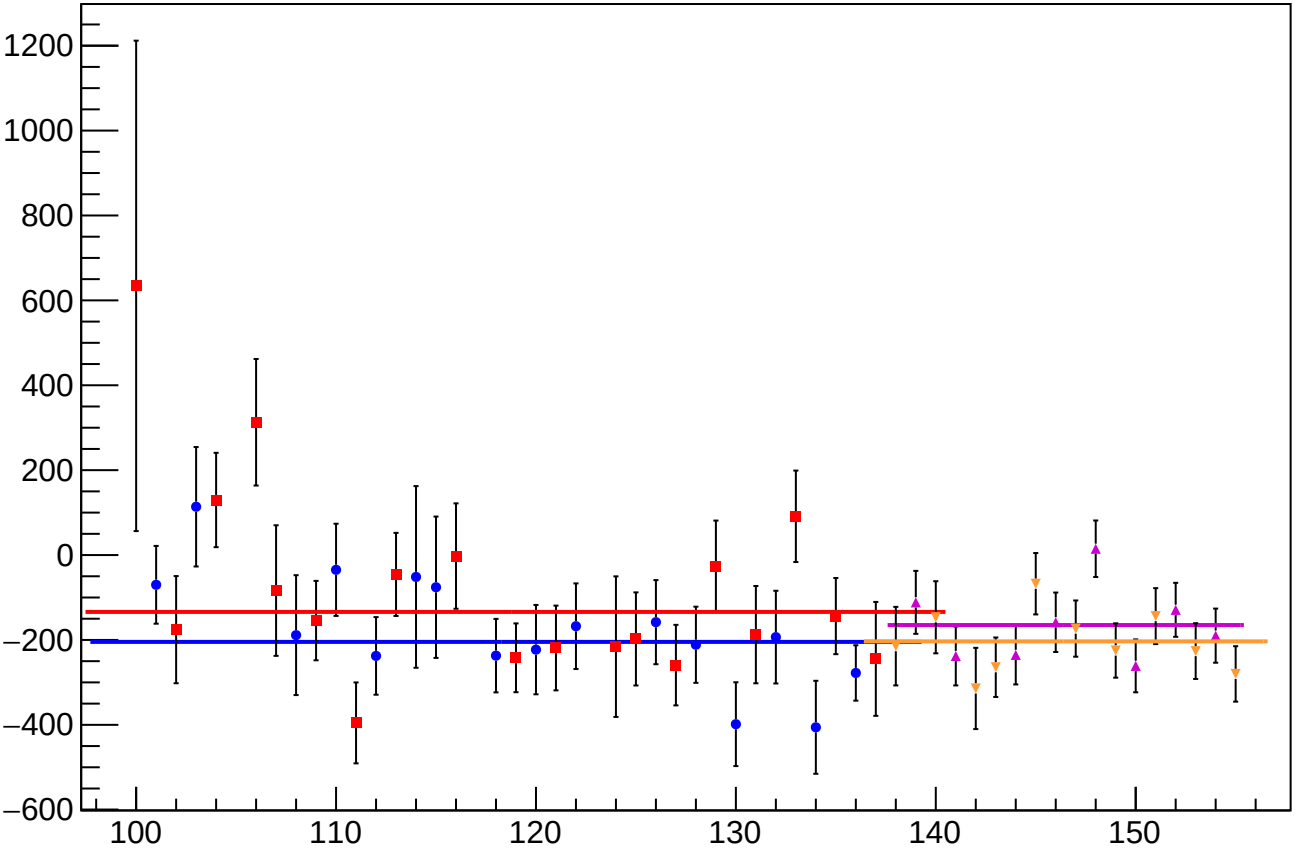
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 203.797+/-0.043 χ^2/NDF:6208786.3/23

Out: 175.864+/-0.037 χ^2/NDF:7884643.9/28

All: 187.732+/-0.028 χ^2/NDF: 14331661.1/52

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -203.341+/-22.772 χ^2/NDF:8.7/9

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -164.884+/-23.728 χ^2/NDF:12.8/7

Left: -184.903+/-16.430 χ^2/NDF: 22.9/17

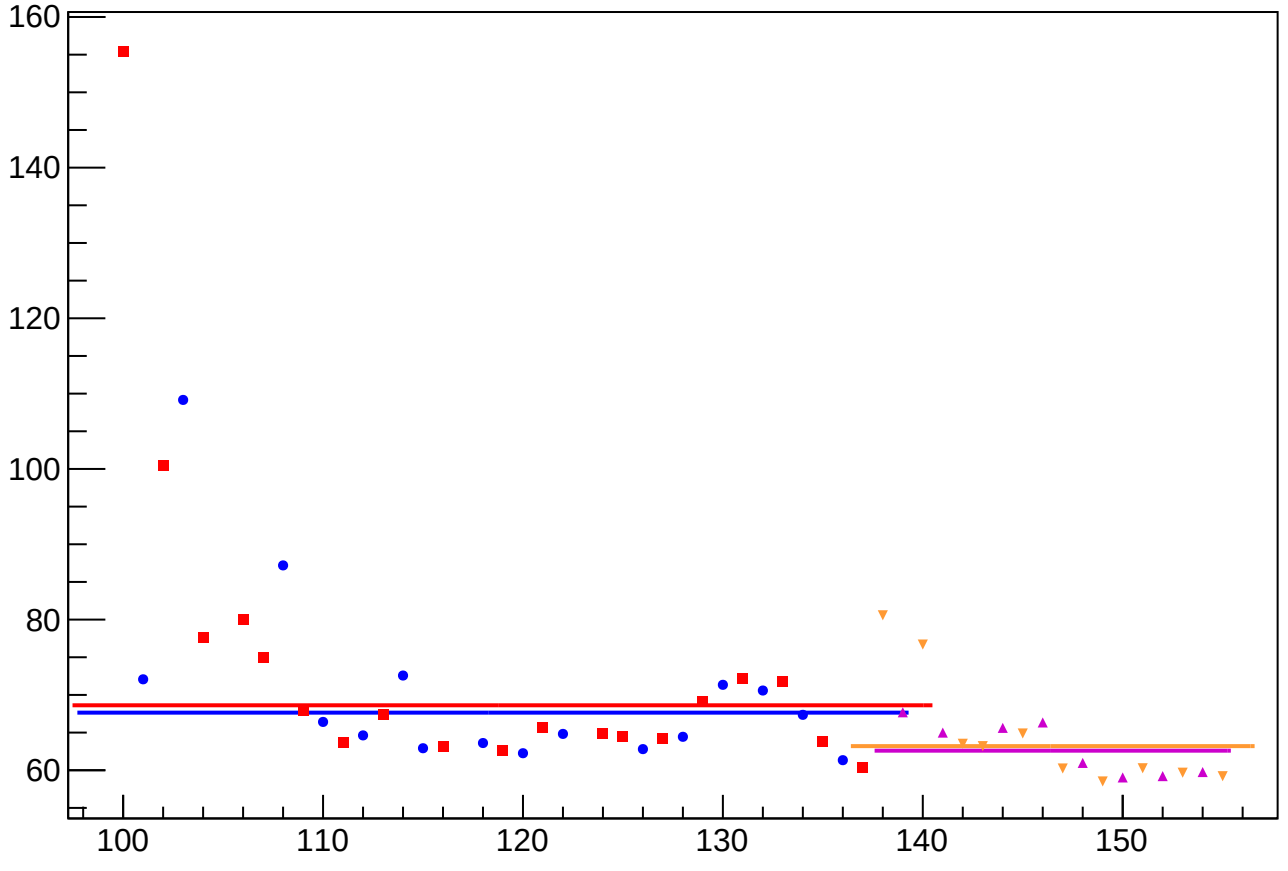
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -183.286+/-17.378 χ^2/NDF:34.1/23

Out: -172.522+/-16.980 χ^2/NDF:50.1/28

All: -177.779+/-12.145 χ^2/NDF: 84.4/52

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.202+/-0.016 χ^2/NDF:153980.2/9

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 62.600+/-0.017 χ^2/NDF:38631.3/7

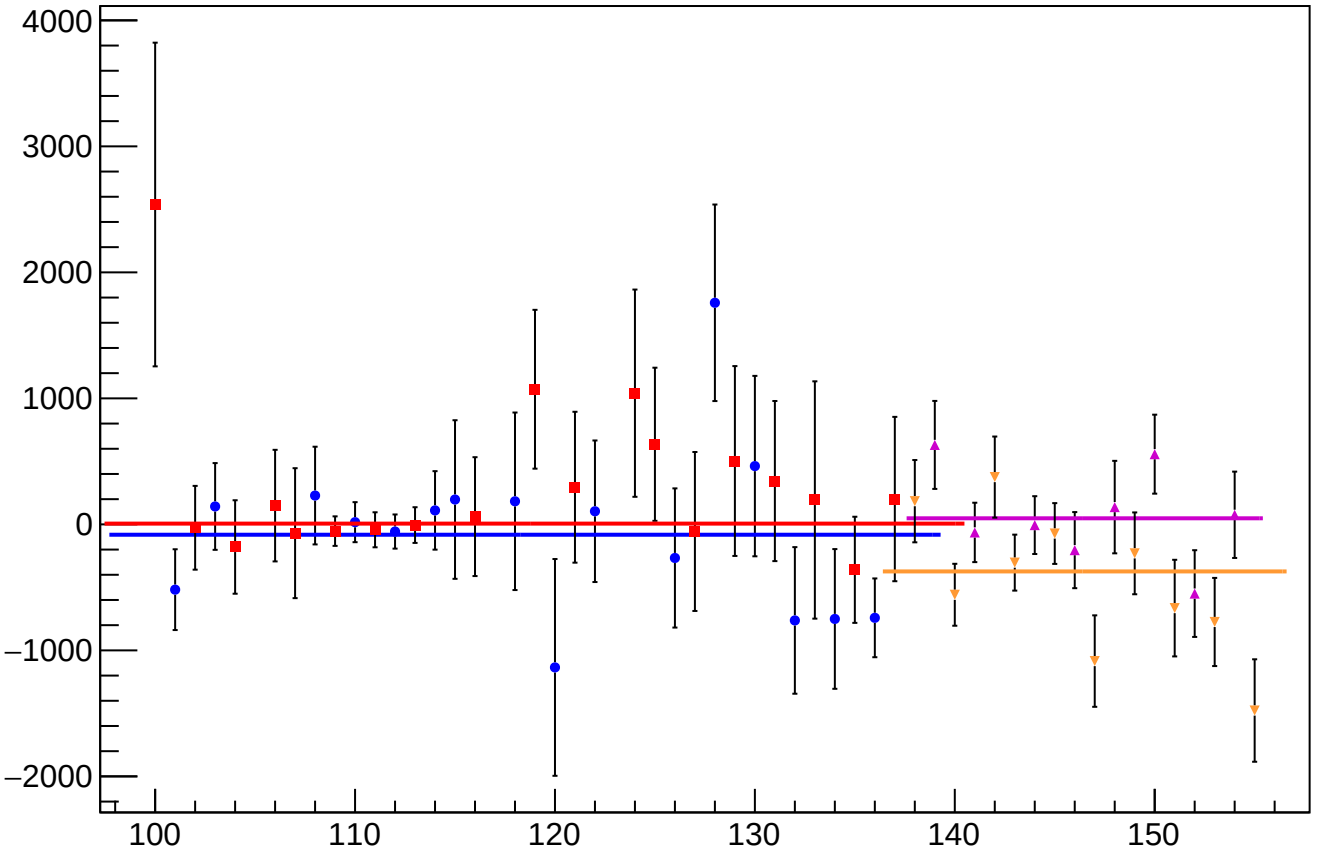
Left: 62.913+/-0.012 χ^2/NDF: 193282.7/17

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.940+/-0.012 χ^2/NDF:344263.8/23

Out: 65.609+/-0.012 χ^2/NDF:452484.8/28

All: 65.282+/-0.009 χ^2/NDF: 798267.1/52



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -373.432+/-94.846 χ^2/NDF:23.9/9

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 48.189+/-104.980 χ^2/NDF:9.5/7

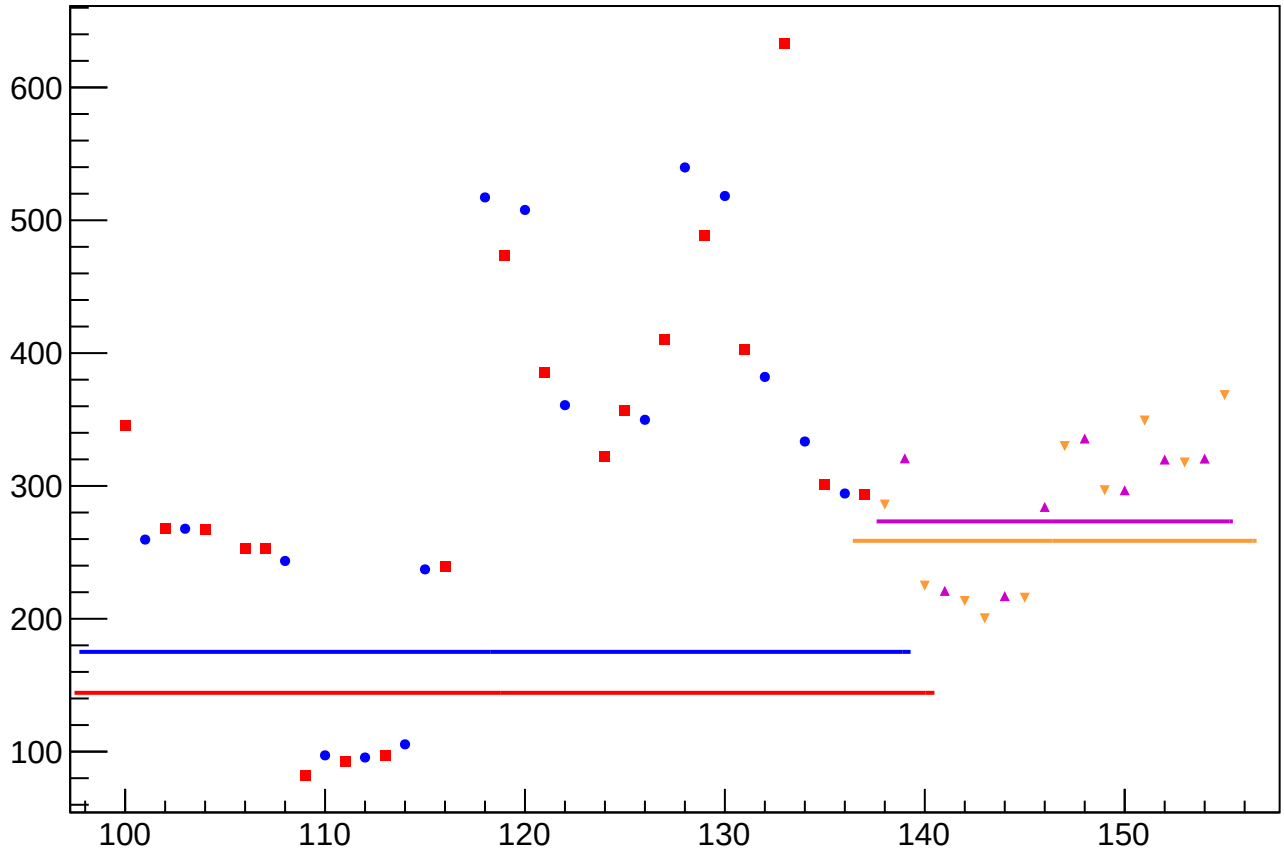
Left: -183.949+/-70.377 χ^2/NDF: 42.2/17

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -35.323+/-62.958 χ^2/NDF:29.7/23

Out: -117.520+/-54.125 χ^2/NDF:46.7/28

All: -82.587+/-41.043 χ^2/NDF: 77.4/52



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 258.701+/-0.067 χ^2/NDF:711088.3/9

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 273.310+/-0.074 χ^2/NDF:401870.7/7

Left: 265.266+/-0.050 χ^2/NDF: 1134286.0/17

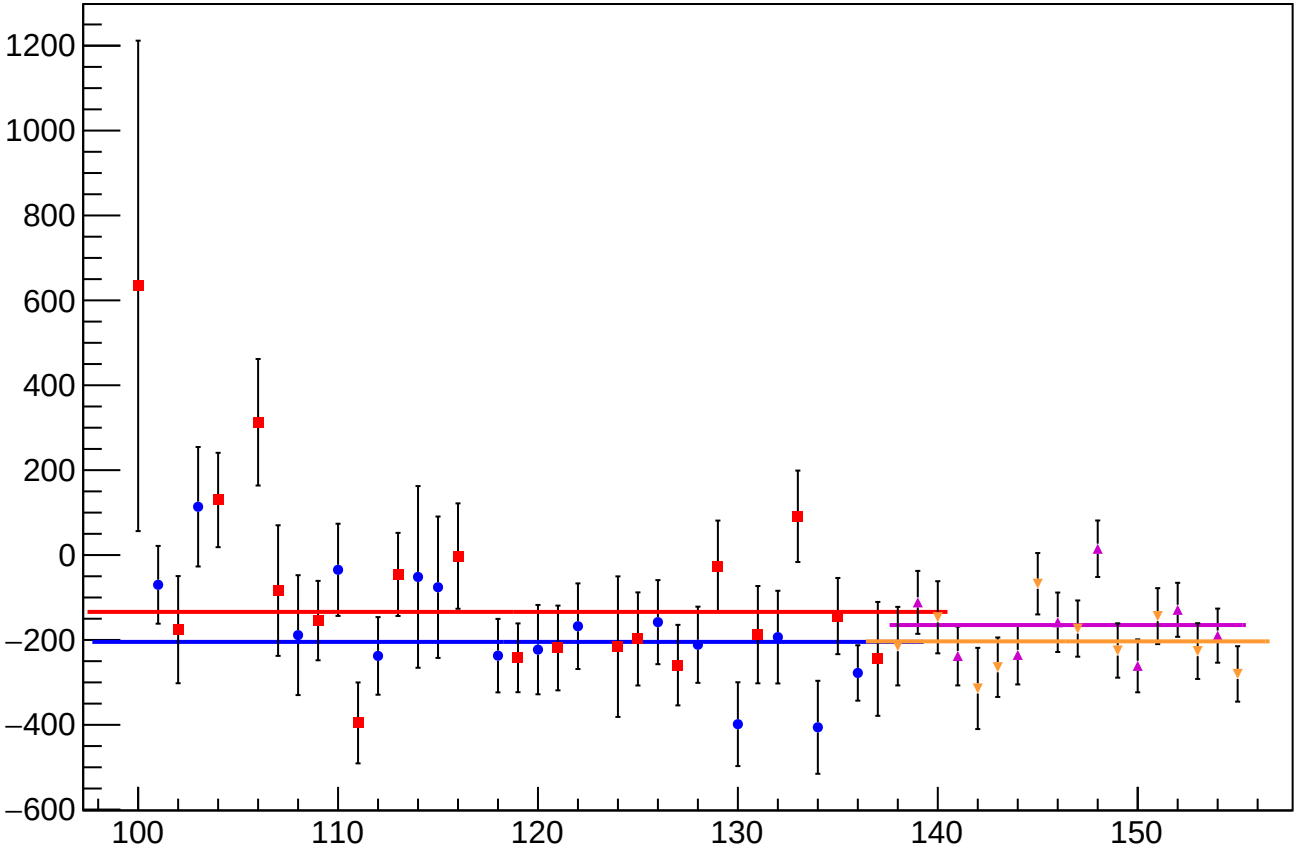
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 210.421+/-0.045 χ^2/NDF:5951808.5/23

Out: 181.539+/-0.038 χ^2/NDF:7806494.2/28

All: 193.813+/-0.029 χ^2/NDF: 14000344.8/52

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -203.341+/-22.772 χ^2/NDF:8.7/9

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -164.884+/-23.728 χ^2/NDF:12.8/7

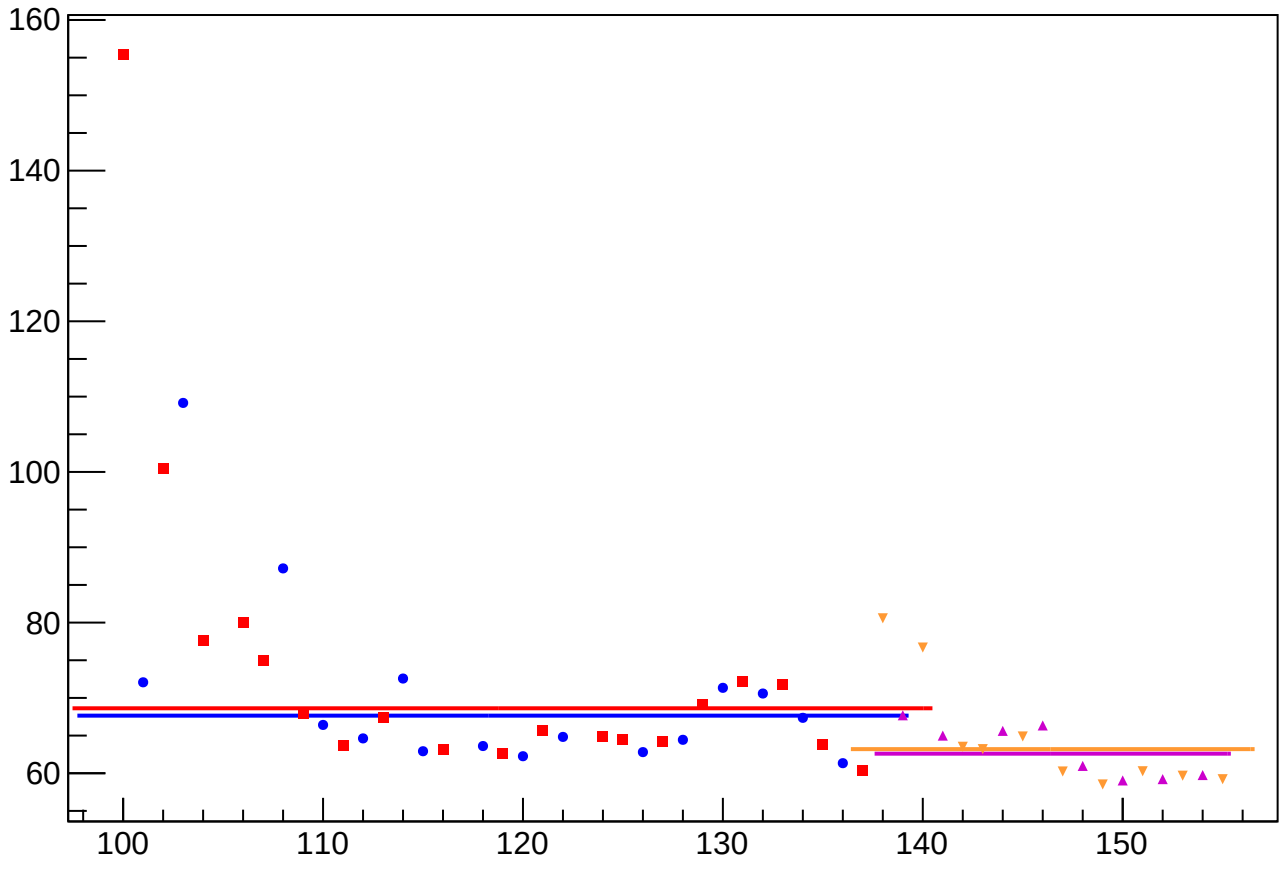
Left: -184.903+/-16.430 χ^2/NDF: 22.9/17

Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -183.286+/-17.378 χ^2/NDF:34.1/23

Out: -172.522+/-16.980 χ^2/NDF:50.1/28

All: -177.779+/-12.145 χ^2/NDF: 84.4/52



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.202+/-0.016 χ^2/NDF:153979.1/9

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 62.600+/-0.017 χ^2/NDF:38631.8/7

Left: 62.913+/-0.012 χ^2/NDF: 193282.1/17

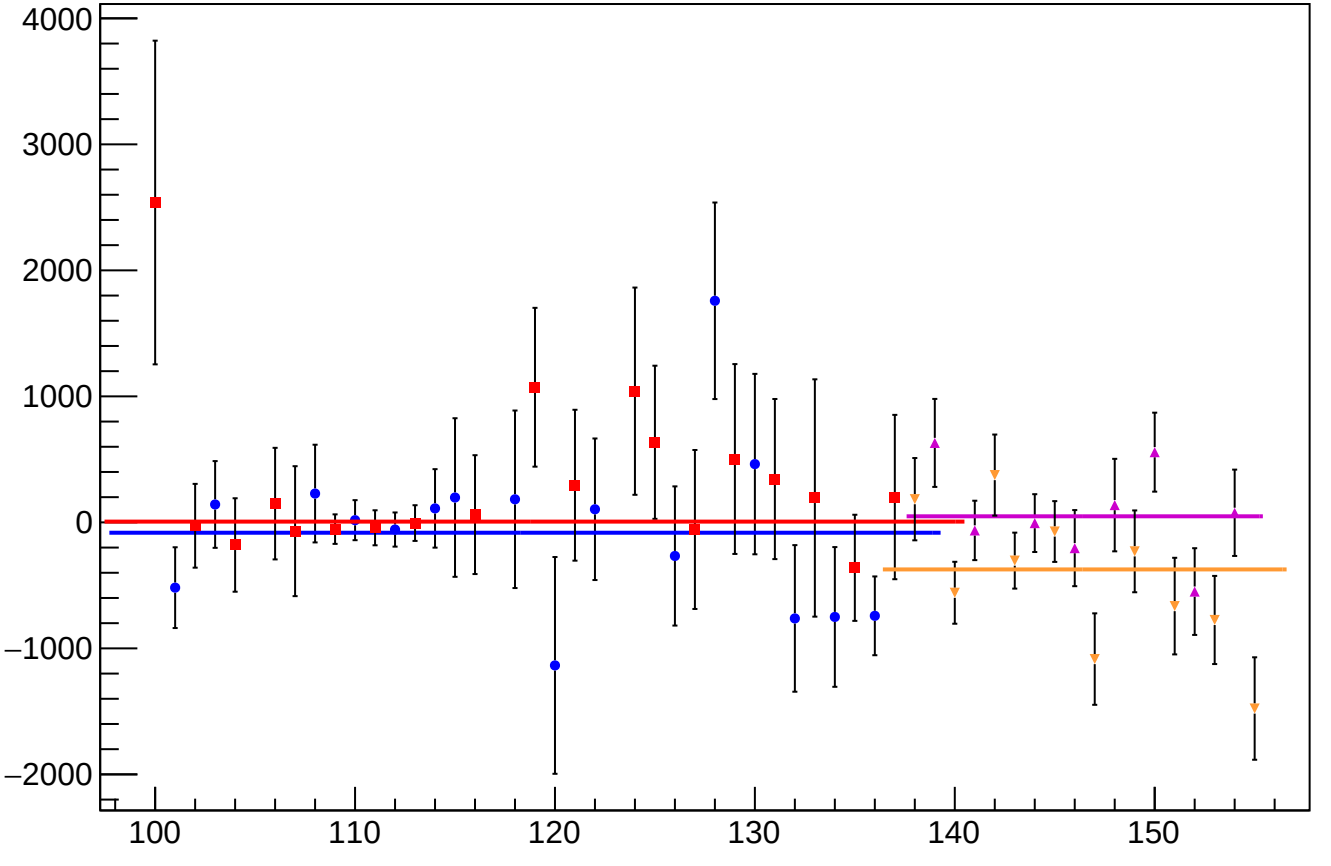
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.940+/-0.012 χ^2/NDF:344259.1/23

Out: 65.609+/-0.012 χ^2/NDF:452480.1/28

All: 65.282+/-0.009 χ^2/NDF: 798257.7/52

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -373.431+/-94.845 χ^2/NDF:23.9/9

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 48.189+/-104.979 χ^2/NDF:9.5/7

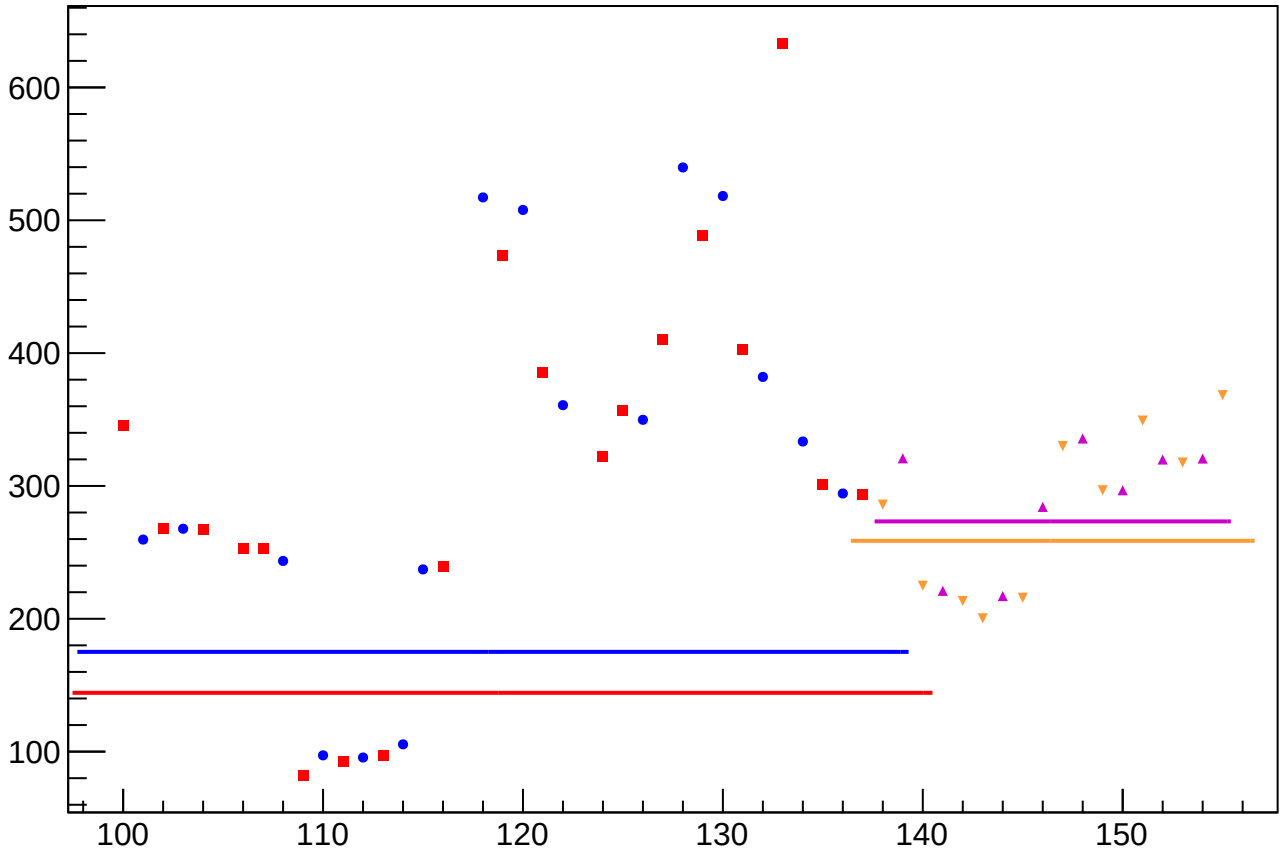
Left: -183.949+/-70.377 χ^2/NDF: 42.2/17

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -35.322+/-62.957 χ^2/NDF:29.7/23

Out: -117.521+/-54.124 χ^2/NDF:46.7/28

All: -82.588+/-41.042 χ^2/NDF: 77.4/52



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 258.699+/-0.067 χ^2/NDF:711093.9/9

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 273.309+/-0.074 χ^2/NDF:401869.9/7

Left: 265.265+/-0.050 χ^2/NDF: 1134291.5/17

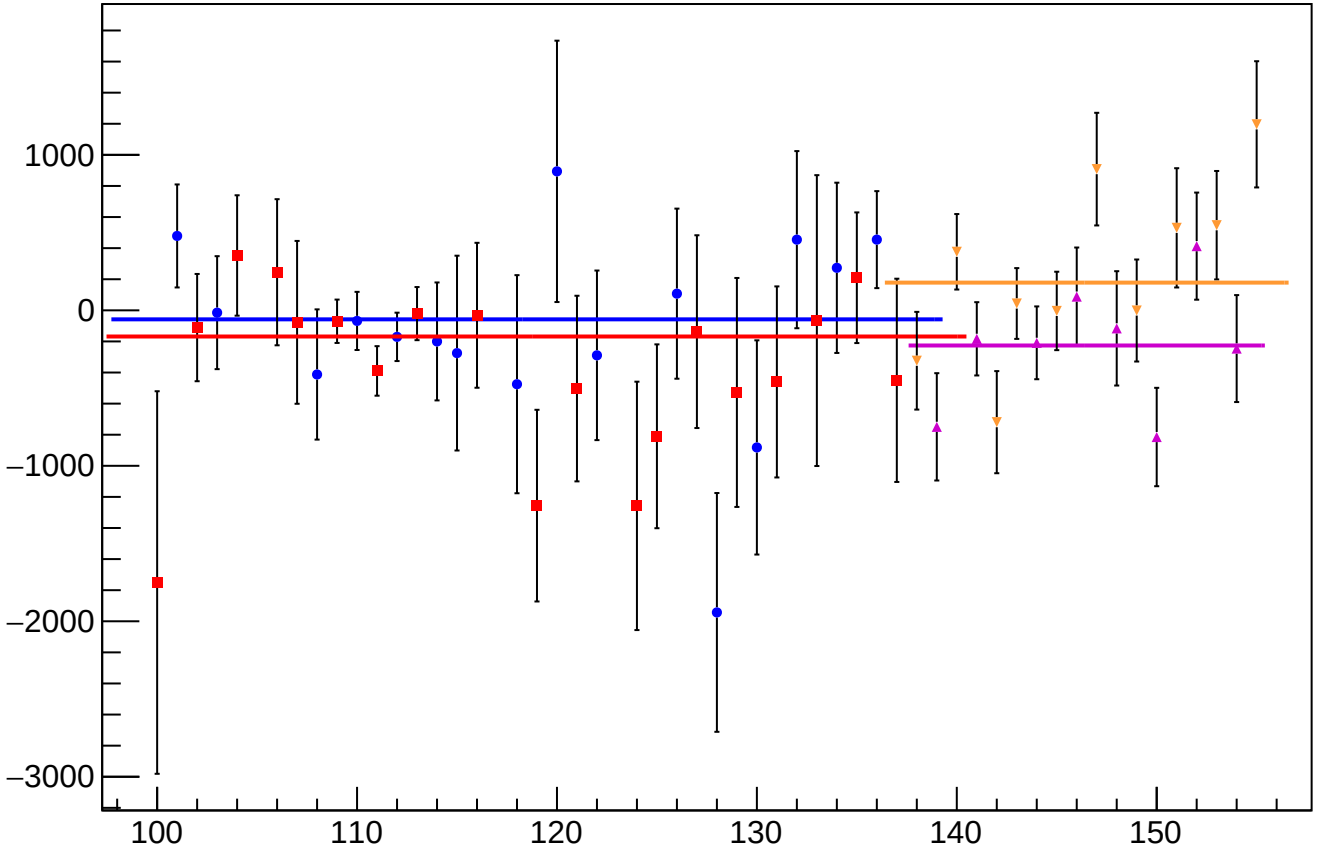
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 210.420+/-0.045 χ^2/NDF:5951849.1/23

Out: 181.538+/-0.038 χ^2/NDF:7806465.2/28

All: 193.812+/-0.029 χ^2/NDF: 14000344.1/52

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 178.294+/-95.616 χ^2/NDF:24.2/9

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -226.137+/-106.041 χ^2/NDF:10.3/7

Left: -3.070+/-71.011 χ^2/NDF: 42.5/17

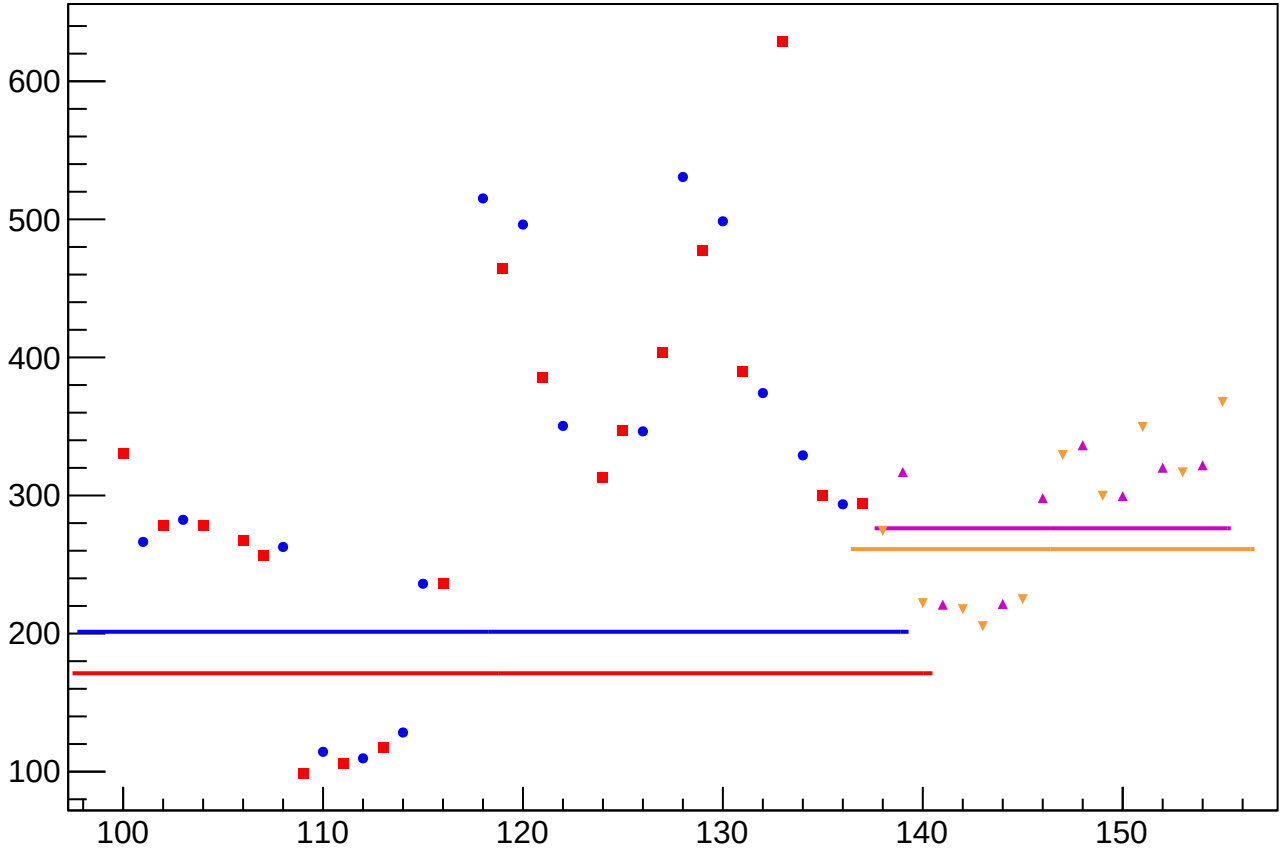
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -125.524+/-67.209 χ^2/NDF:29.2/23

Out: -37.171+/-58.815 χ^2/NDF:47.8/28

All: -75.489+/-44.261 χ^2/NDF: 78.0/52

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 261.183+/-0.068 χ^2/NDF:645930.2/9

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 276.252+/-0.075 χ^2/NDF:389179.0/7

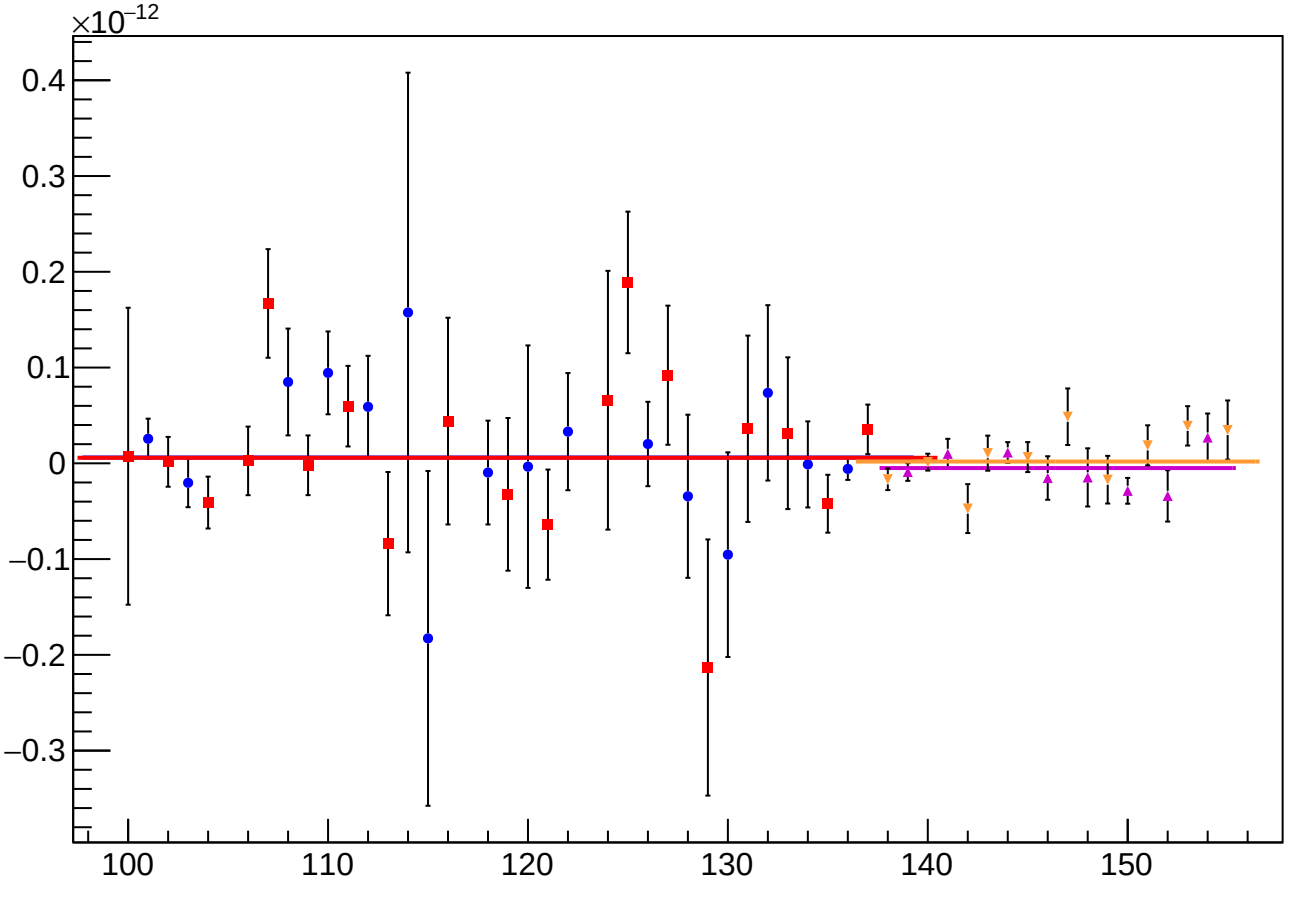
Left: 267.940+/-0.050 χ^2/NDF: 1057386.0/17

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 231.410+/-0.048 χ^2/NDF:4559165.5/23

Out: 205.279+/-0.042 χ^2/NDF:5938296.5/28

All: 216.612+/-0.031 χ^2/NDF: 10668669.6/52



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/7

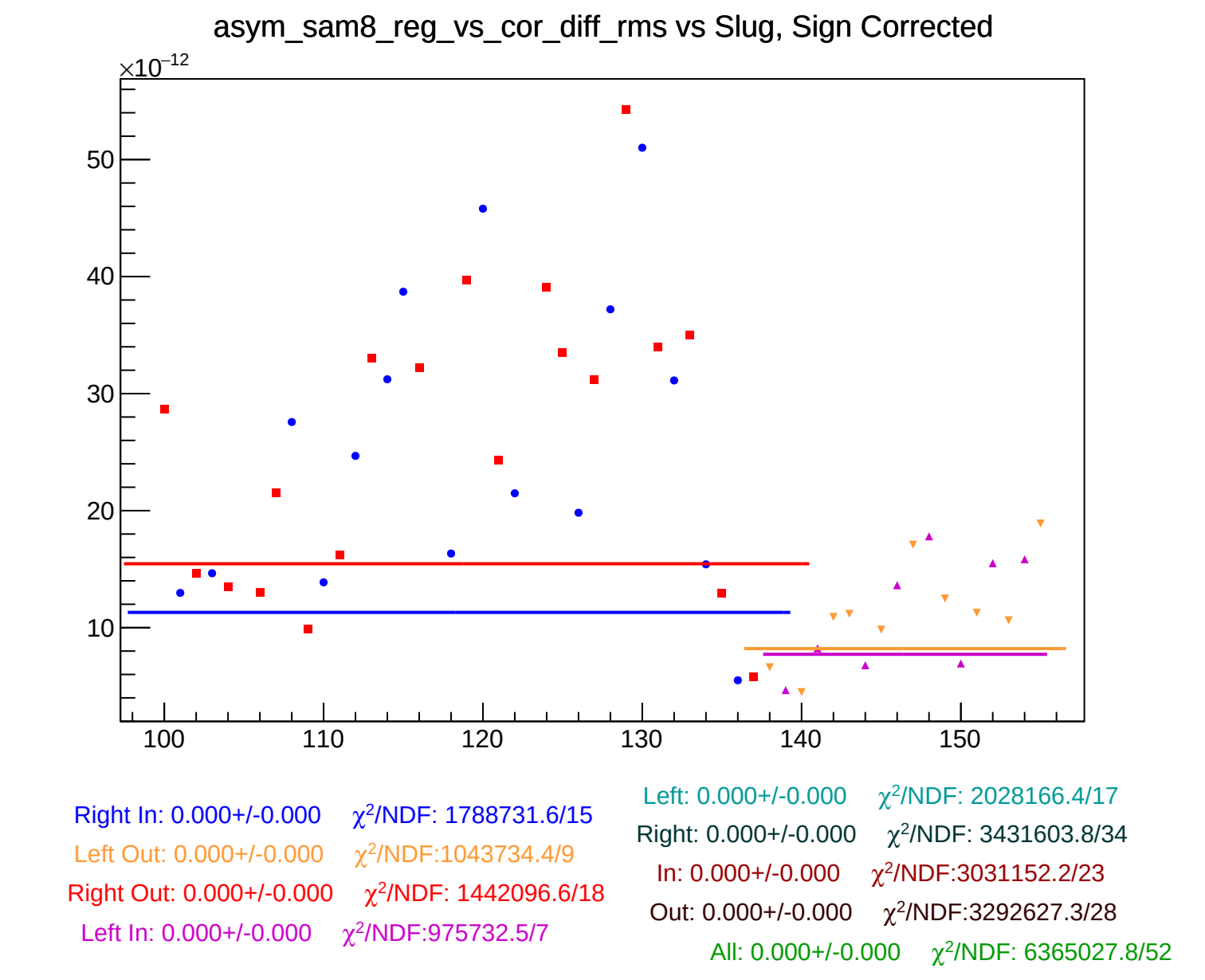
Left: -0.000+/-0.000 χ^2/NDF: 25.3/17

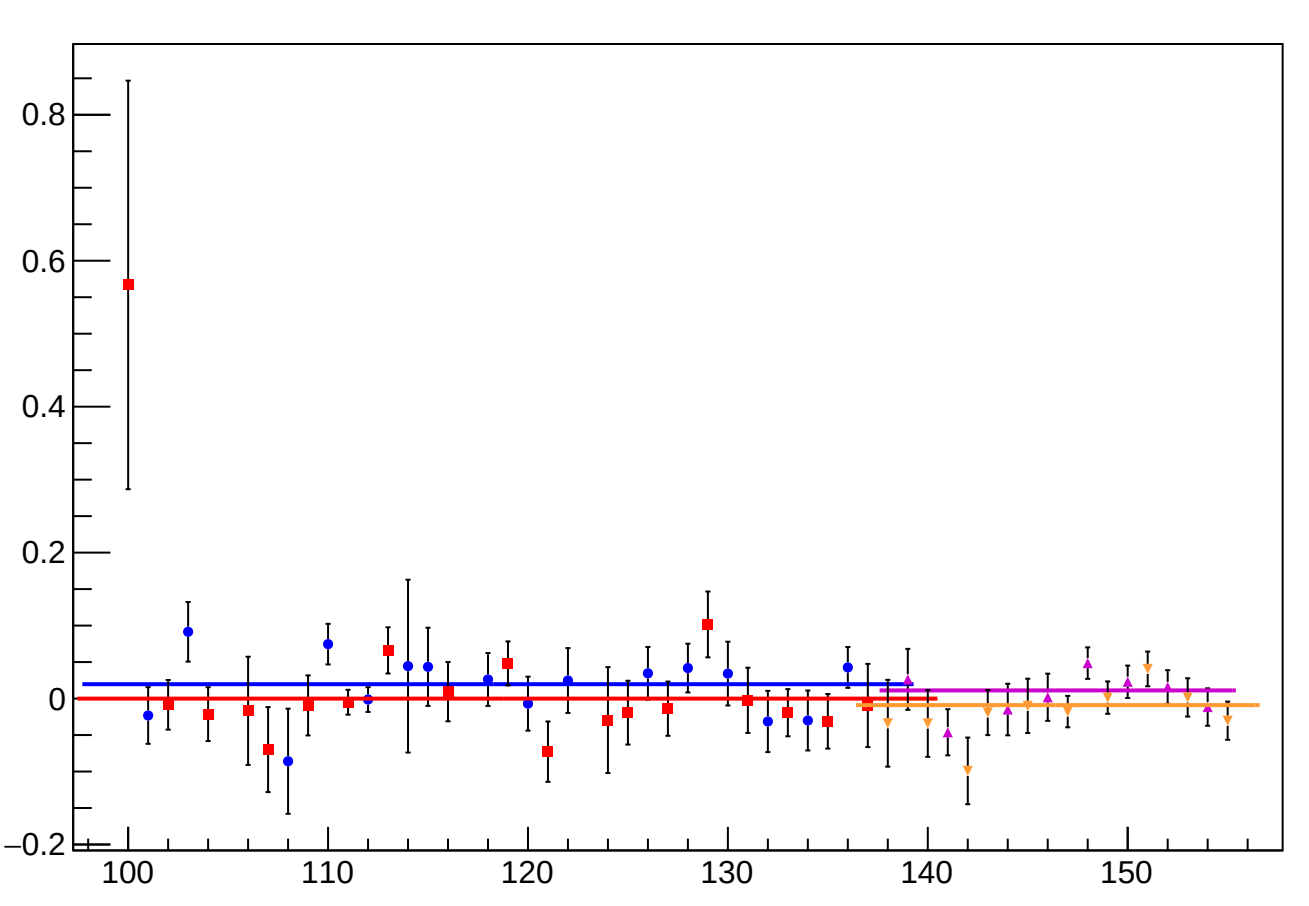
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:24.6/23

Out: 0.000+/-0.000 χ^2/NDF:45.5/28

All: 0.000+/-0.000 χ^2/NDF: 70.6/52


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:1043734.4/9
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:975732.5/7
Left: 0.000+/-0.000 χ²/NDF: 2028166.4/17
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3031152.2/23
Out: 0.000+/-0.000 χ²/NDF:3292627.3/28
All: 0.000+/-0.000 χ²/NDF: 6365027.8/52



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.009+/-0.009 χ^2/NDF:10.0/9

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.011+/-0.010 χ^2/NDF:8.2/7

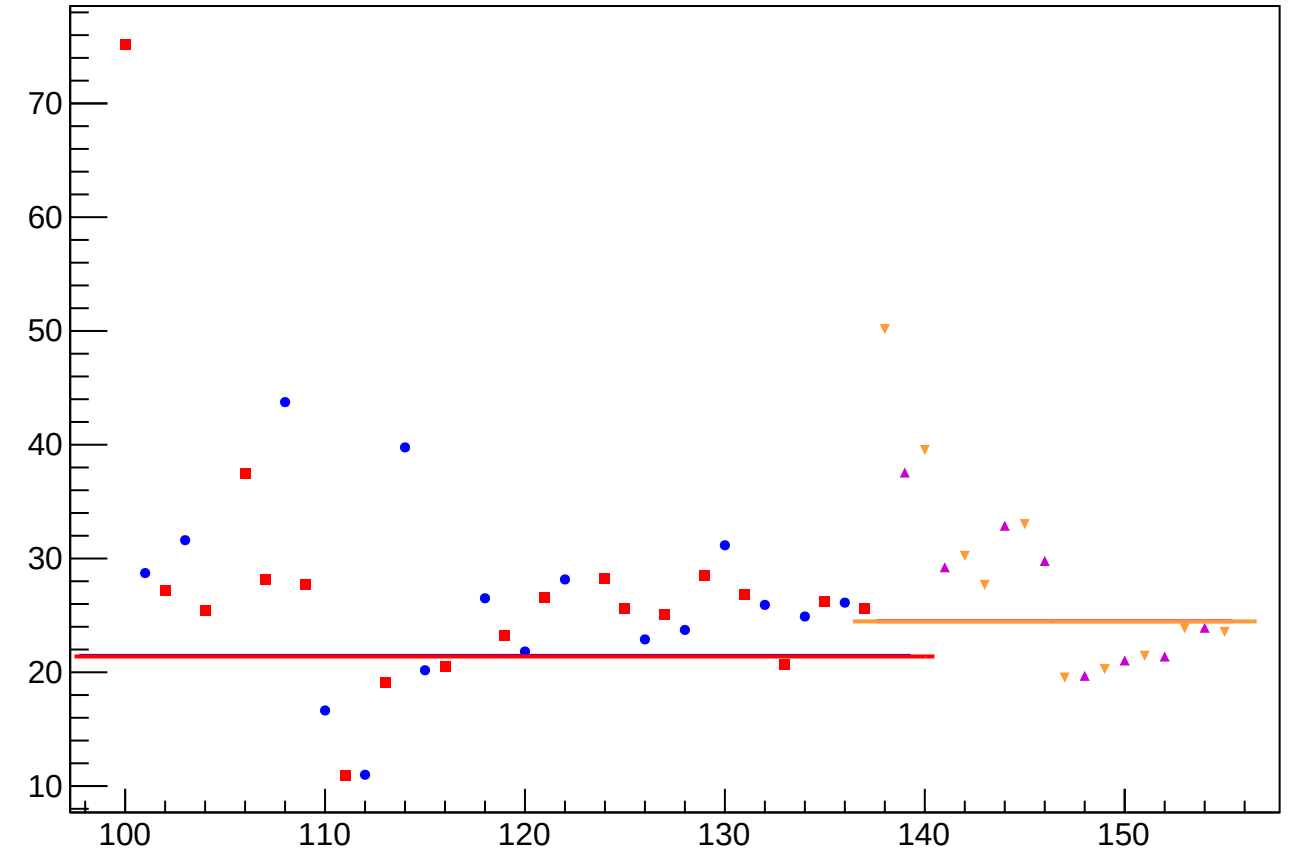
Left: 0.001+/-0.007 χ^2/NDF: 20.5/17

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.006 χ^2/NDF:25.6/23

Out: -0.004+/-0.006 χ^2/NDF:33.4/28

All: 0.006+/-0.004 χ^2/NDF: 64.0/52



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.471+/-0.006 χ^2/NDF:960448.0/9

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.491+/-0.007 χ^2/NDF:591614.6/7

Left: 24.481+/-0.005 χ^2/NDF: 1552067.1/17

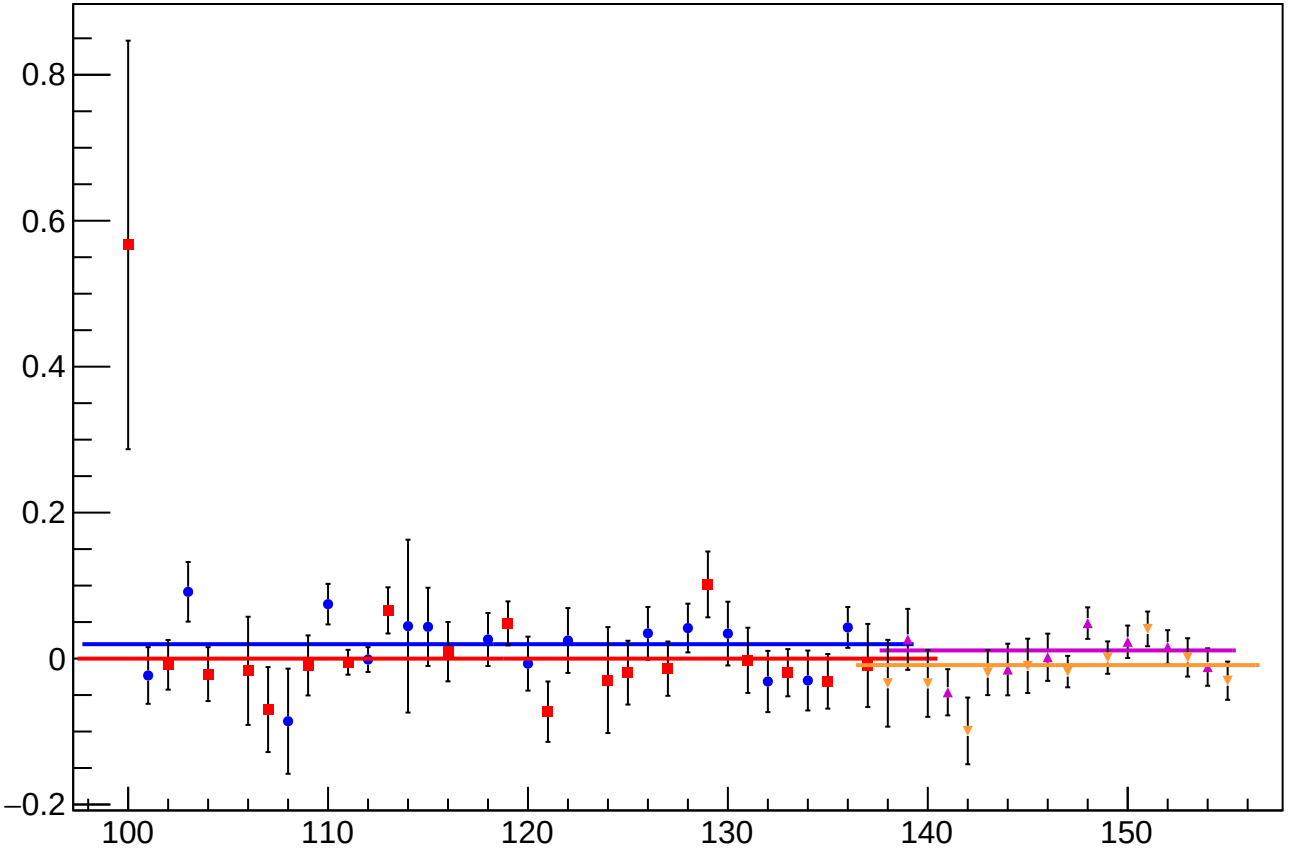
Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.819+/-0.005 χ^2/NDF:2243462.2/23

Out: 22.813+/-0.004 χ^2/NDF:2393656.0/28

All: 22.816+/-0.003 χ^2/NDF: 4637119.0/52

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: -0.009+/-0.009 χ^2/NDF:10.0/9

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.011+/-0.010 χ^2/NDF:8.2/7

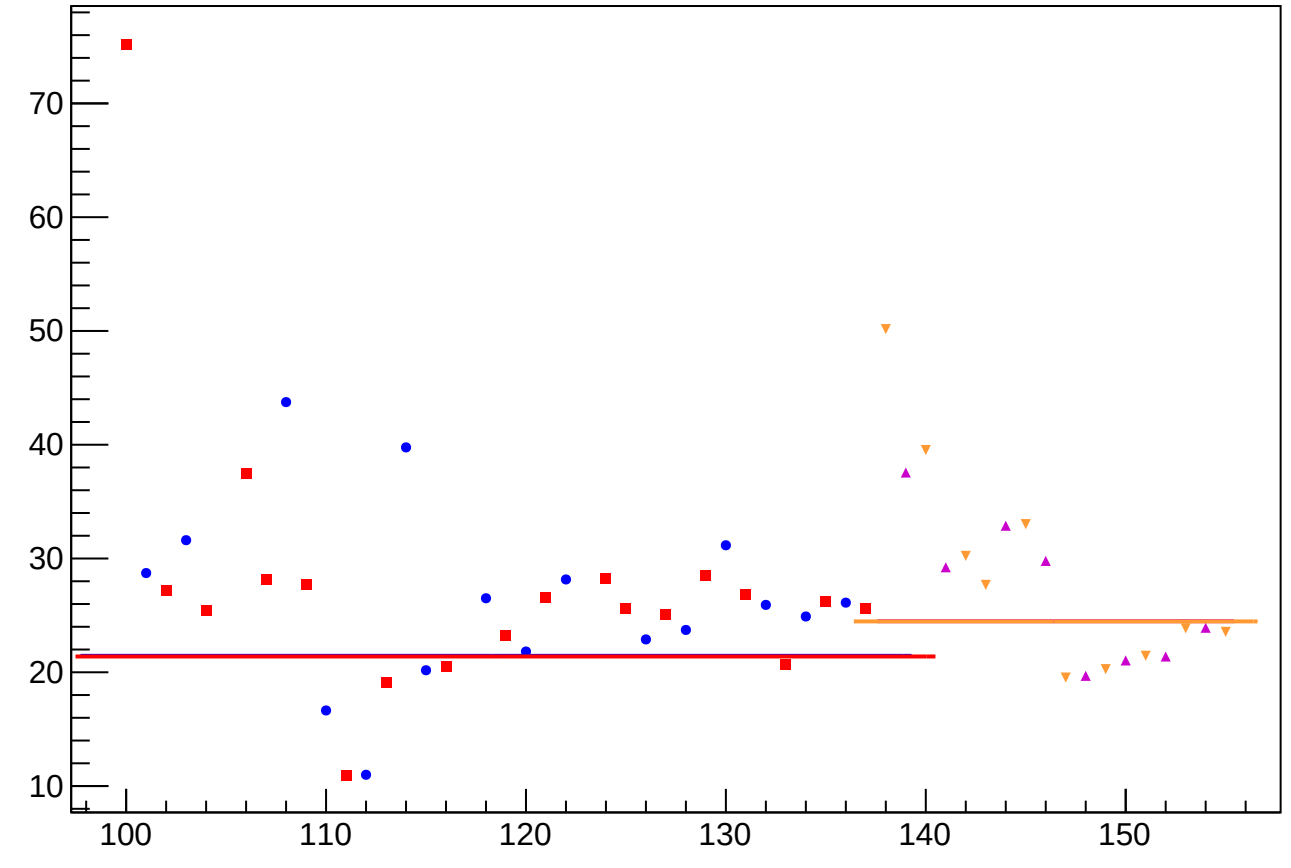
Left: 0.001+/-0.007 χ^2/NDF: 20.5/17

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.006 χ^2/NDF:25.6/23

Out: -0.004+/-0.006 χ^2/NDF:33.4/28

All: 0.006+/-0.004 χ^2/NDF: 64.0/52



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.471+/-0.006 χ^2/NDF:960448.0/9

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.491+/-0.007 χ^2/NDF:591614.6/7

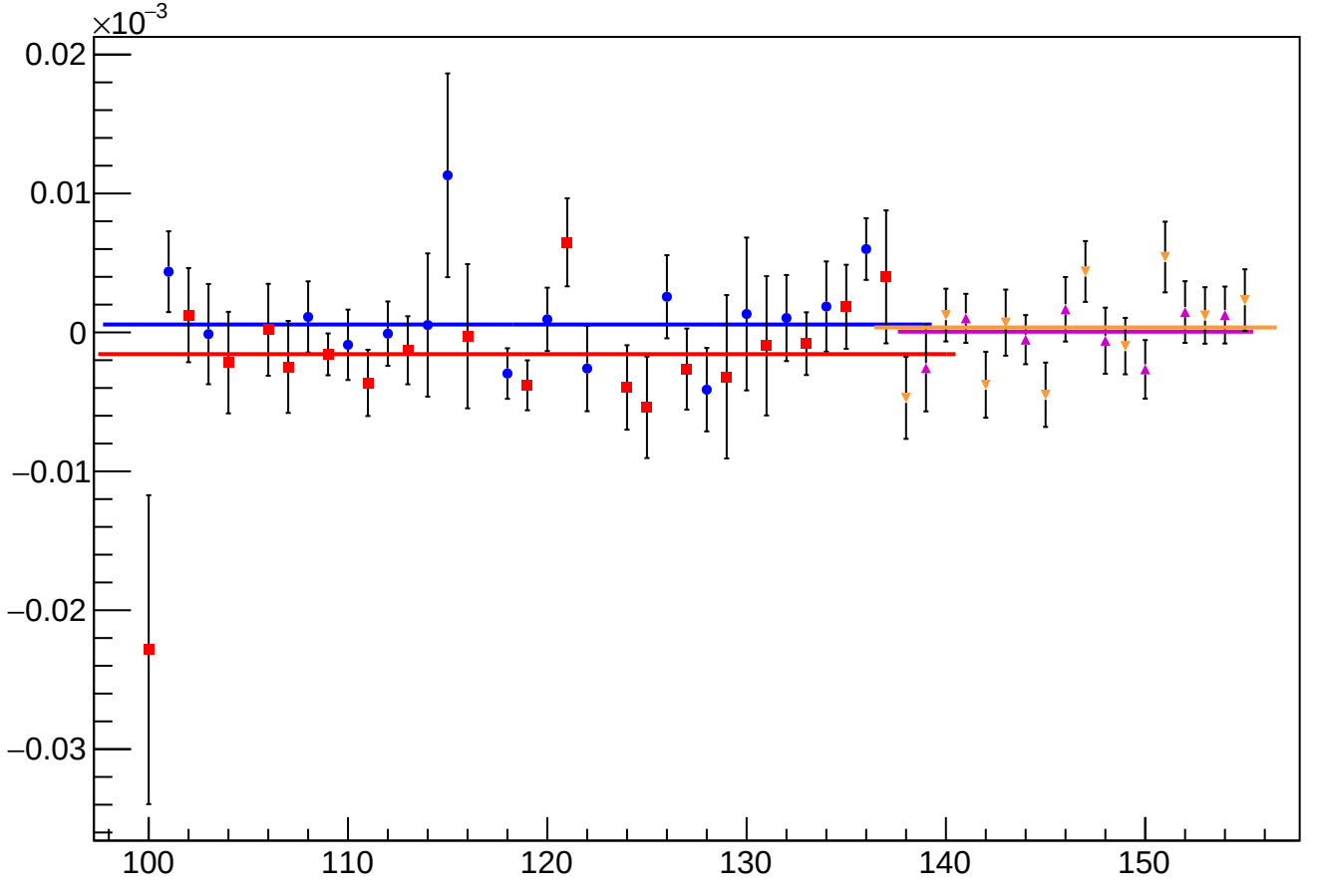
Left: 24.481+/-0.005 χ^2/NDF: 1552067.1/17

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.819+/-0.005 χ^2/NDF:2243462.2/23

Out: 22.813+/-0.004 χ^2/NDF:2393656.0/28

All: 22.816+/-0.003 χ^2/NDF: 4637119.0/52



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

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: 0.000+/-0.000 χ^2/NDF:4.1/7

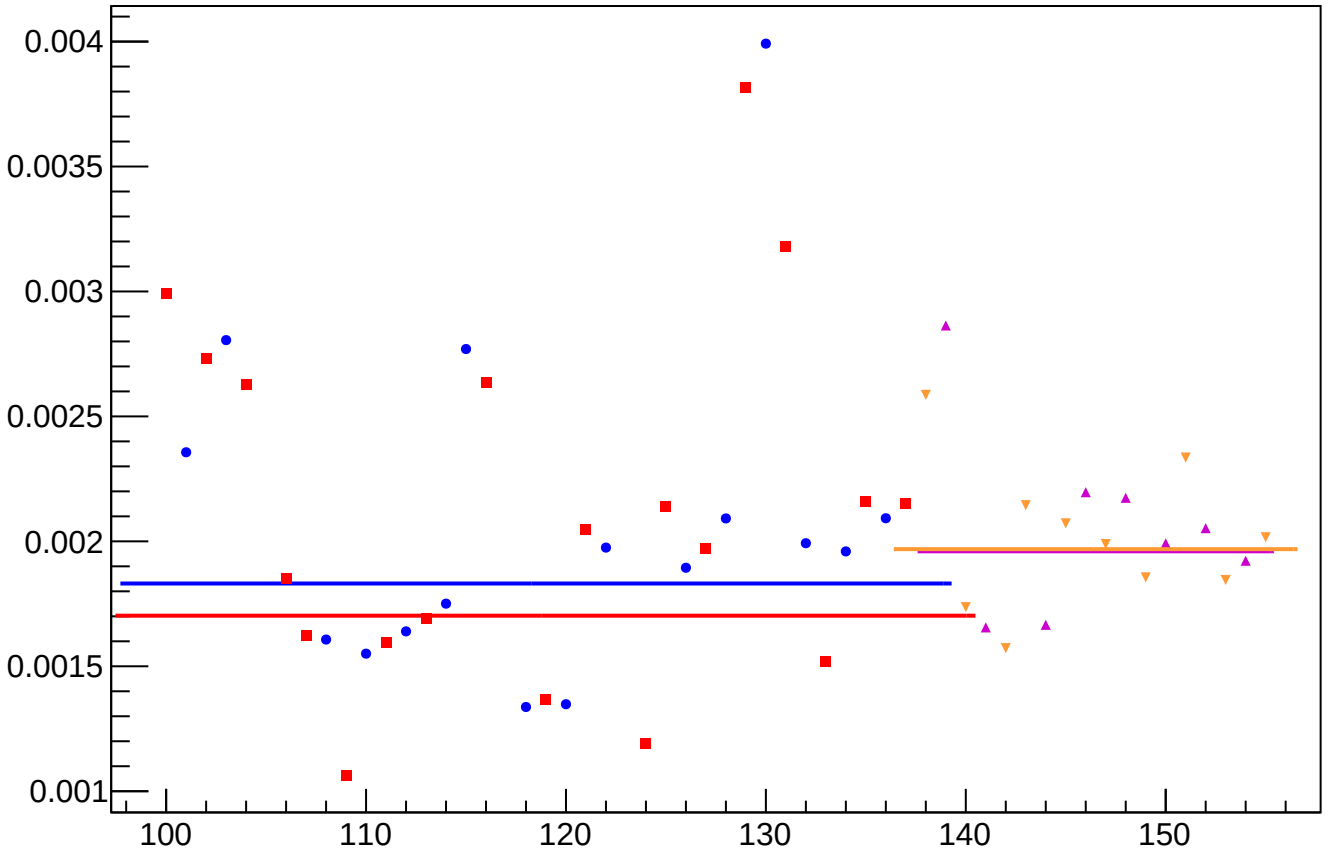
Left: 0.000+/-0.000 χ^2/NDF: 23.5/17

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:22.6/23

Out: -0.000+/-0.000 χ^2/NDF:41.6/28

All: -0.000+/-0.000 χ^2/NDF: 66.2/52



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:244273.4/9

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:324980.9/7

Left: 0.002+/-0.000 χ^2/NDF: 569392.2/17

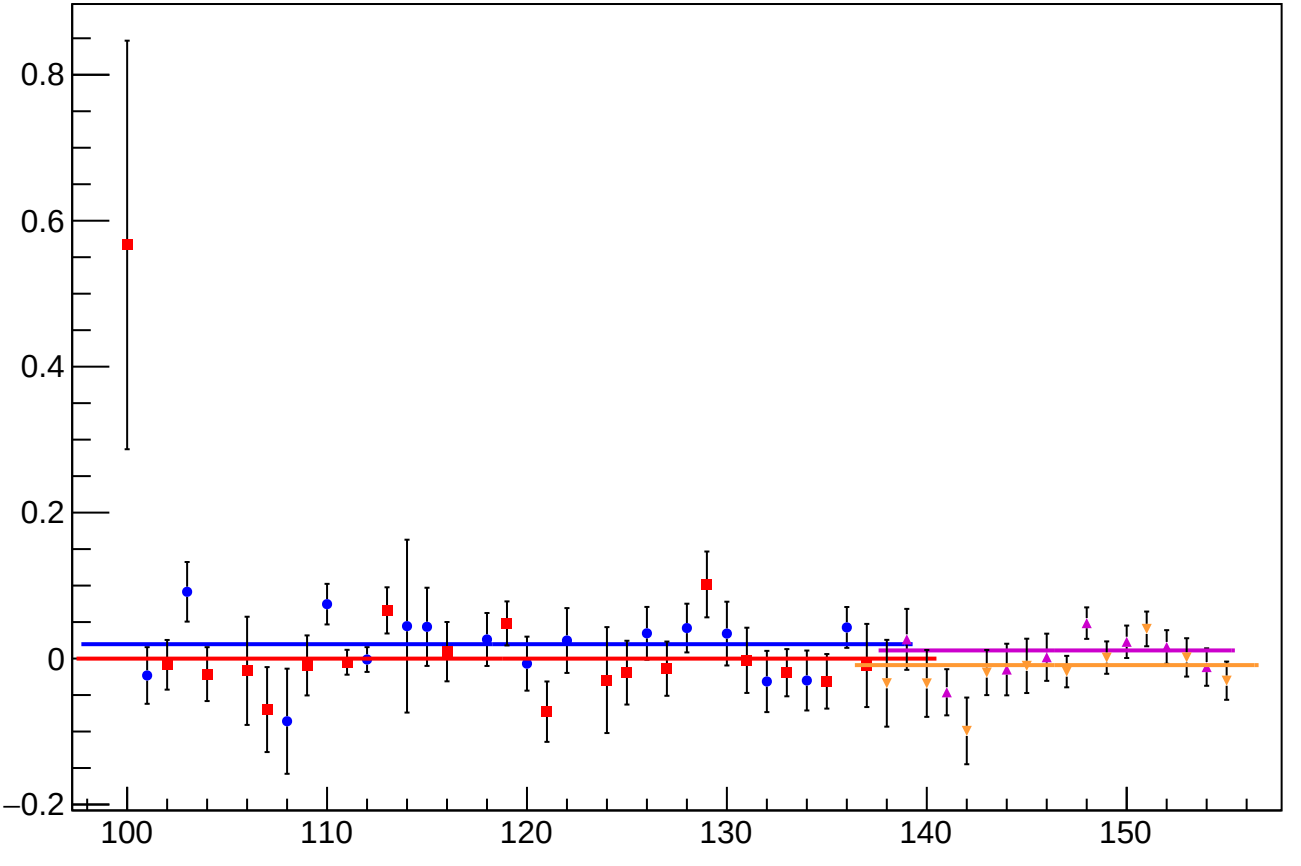
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1256648.1/23

Out: 0.002+/-0.000 χ^2/NDF:1873375.2/28

All: 0.002+/-0.000 χ^2/NDF: 3147528.7/52

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.009+/-0.009 χ^2/NDF:10.0/9

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.011+/-0.010 χ^2/NDF:8.2/7

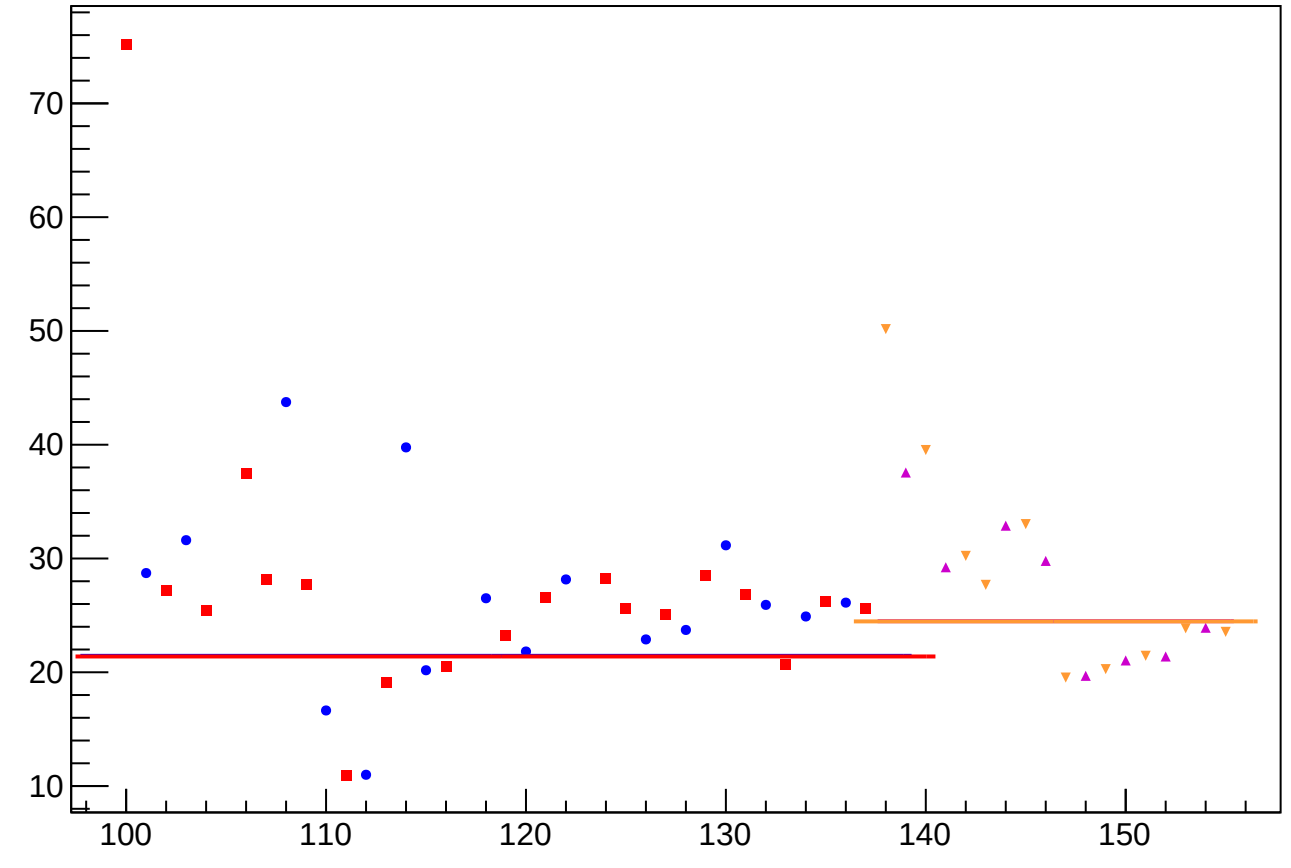
Left: 0.001+/-0.007 χ^2/NDF: 20.5/17

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.006 χ^2/NDF:25.6/23

Out: -0.004+/-0.006 χ^2/NDF:33.4/28

All: 0.006+/-0.004 χ^2/NDF: 64.0/52



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.472+/-0.006 χ^2/NDF:960441.3/9

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.492+/-0.007 χ^2/NDF:591607.3/7

Left: 24.481+/-0.005 χ^2/NDF: 1552053.1/17

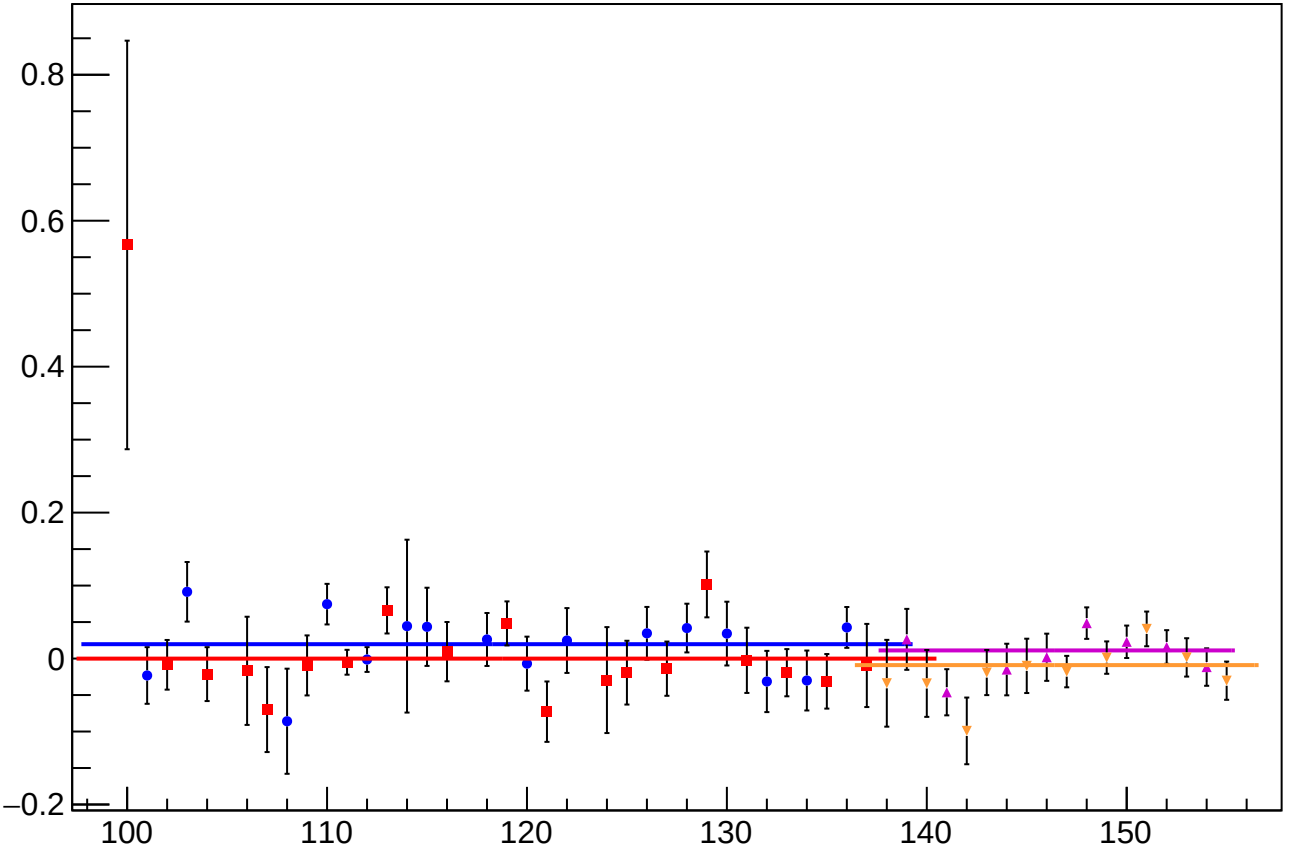
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.819+/-0.005 χ^2/NDF:2243668.7/23

Out: 22.813+/-0.004 χ^2/NDF:2393841.2/28

All: 22.816+/-0.003 χ^2/NDF: 4637510.6/52

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: -0.009+/-0.009 χ^2/NDF:10.0/9

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.011+/-0.010 χ^2/NDF:8.2/7

Left: 0.001+/-0.007 χ^2/NDF: 20.5/17

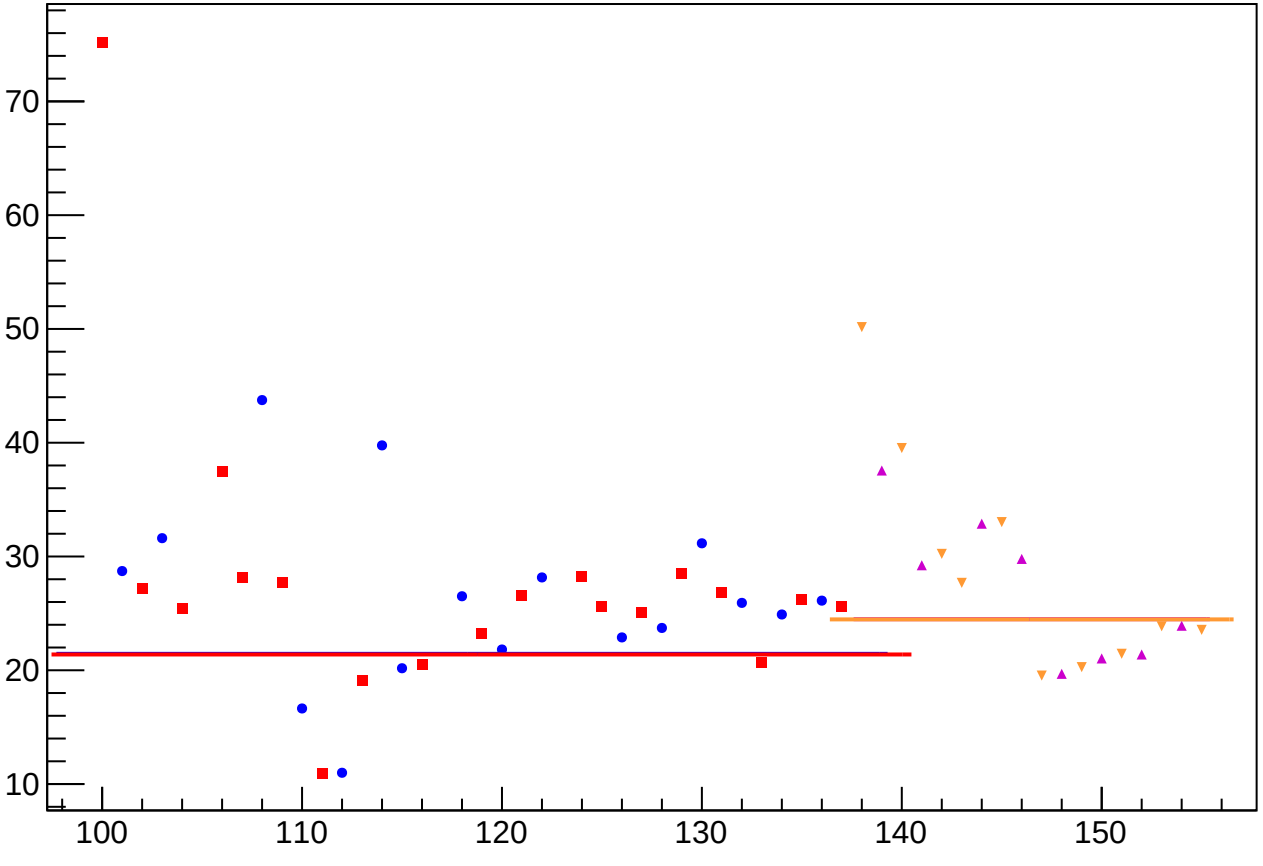
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.016+/-0.006 χ^2/NDF:25.6/23

Out: -0.004+/-0.006 χ^2/NDF:33.4/28

All: 0.006+/-0.004 χ^2/NDF: 64.0/52

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.472+/-0.006 χ^2/NDF:960441.3/9

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.492+/-0.007 χ^2/NDF:591607.3/7

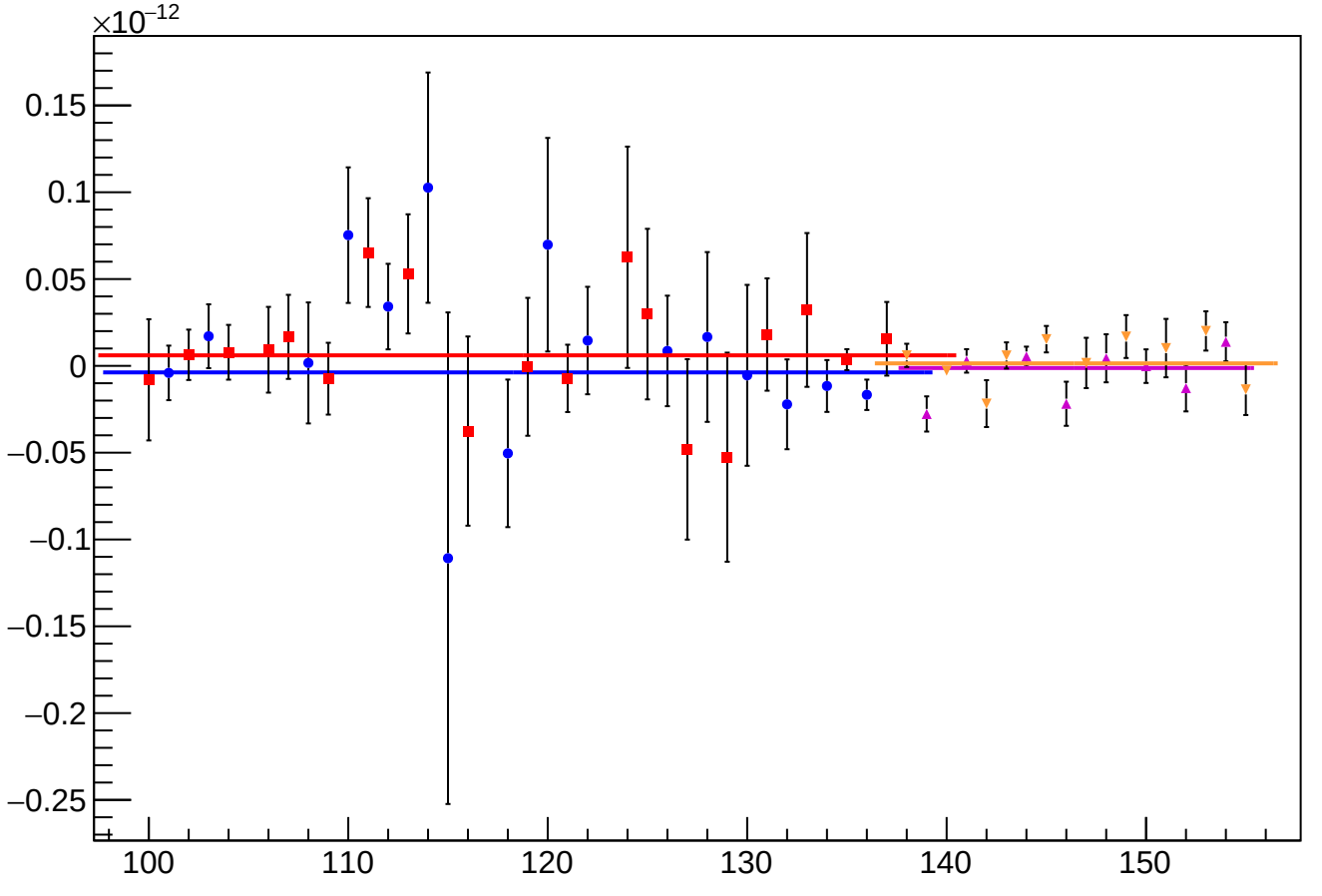
Left: 24.481+/-0.005 χ^2/NDF: 1552053.1/17

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.819+/-0.005 χ^2/NDF:2243668.7/23

Out: 22.813+/-0.004 χ^2/NDF:2393841.2/28

All: 22.816+/-0.003 χ^2/NDF: 4637510.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/7

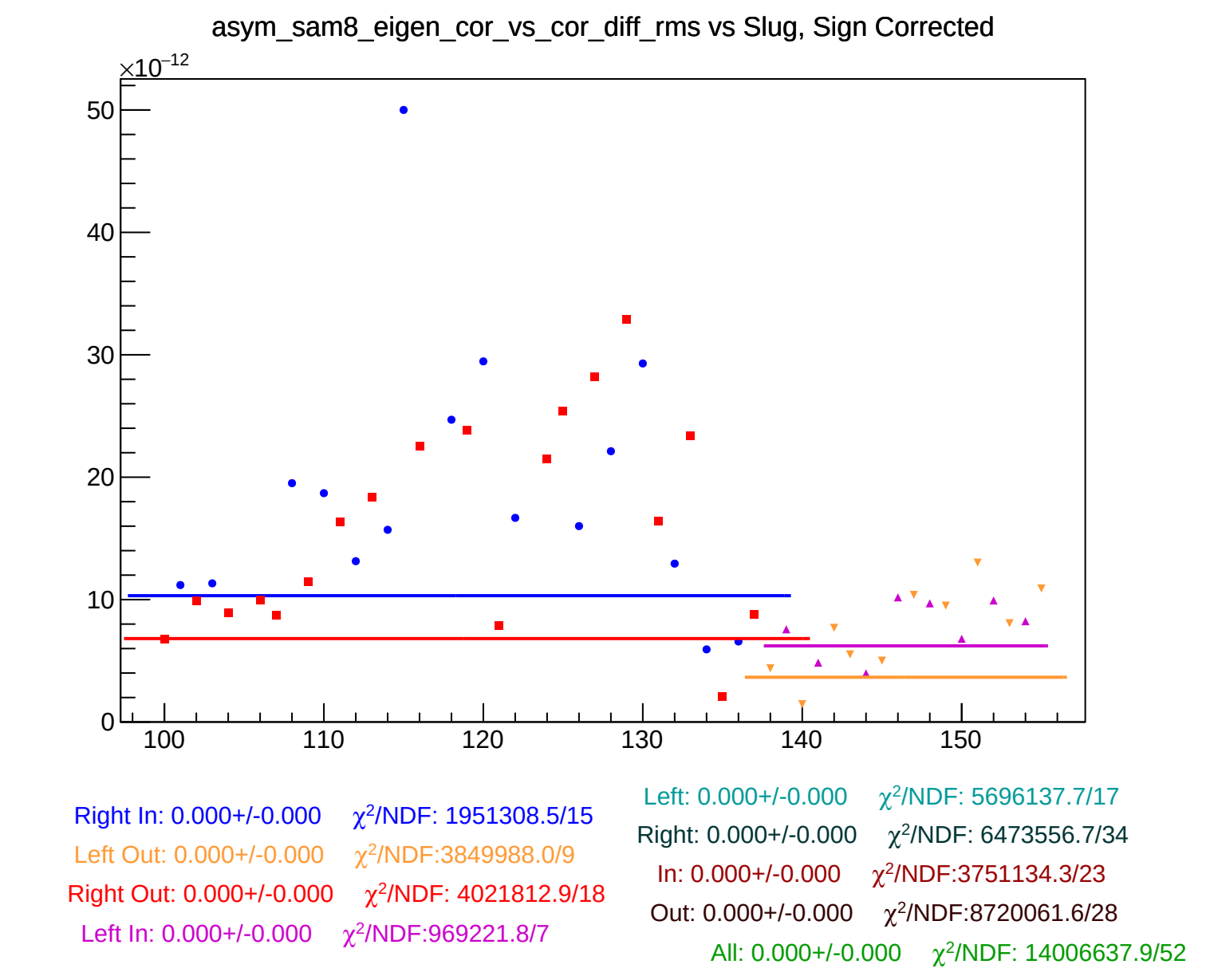
Left: 0.000+/-0.000 χ^2/NDF: 29.2/17

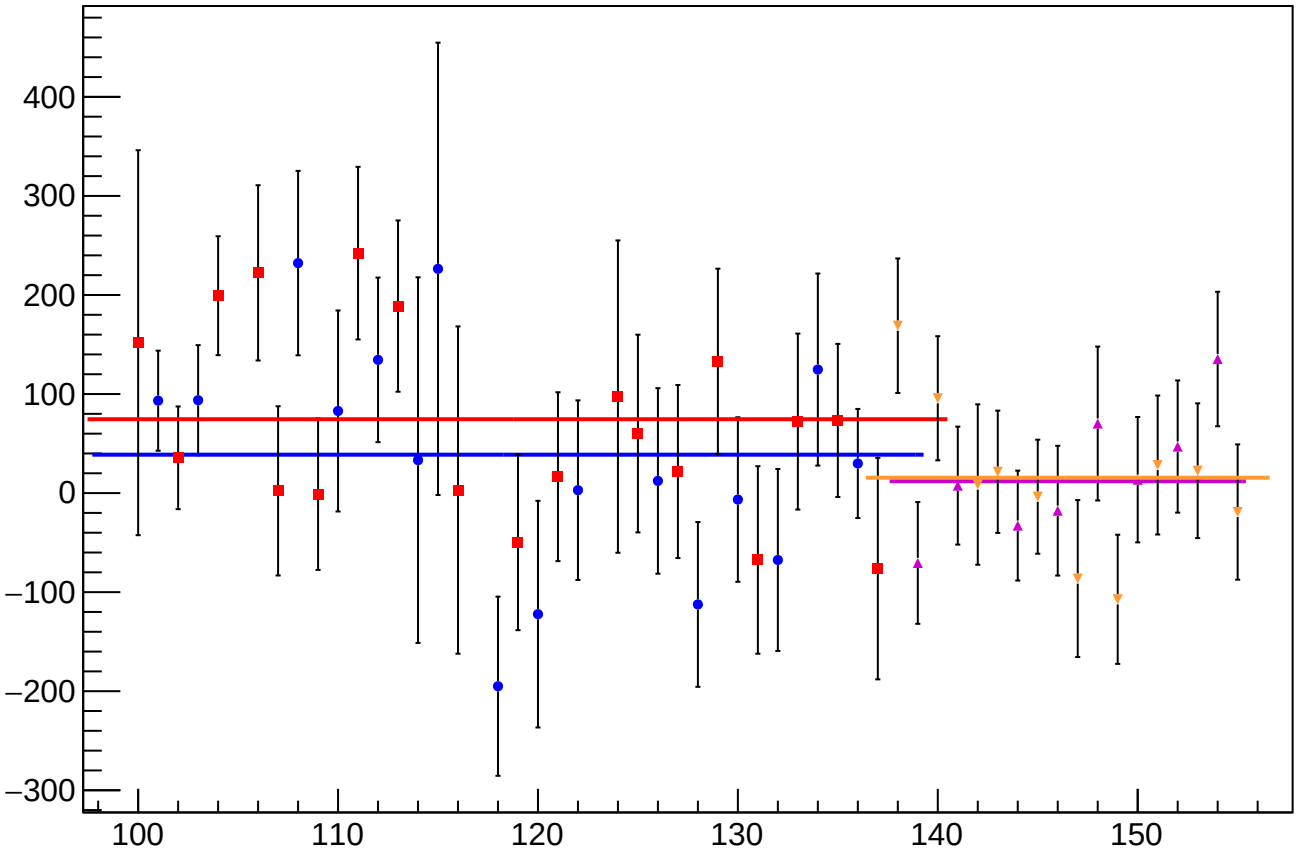
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:31.2/23

Out: 0.000+/-0.000 χ^2/NDF:27.1/28

All: 0.000+/-0.000 χ^2/NDF: 59.8/52


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:3849988.0/9
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:969221.8/7
Left: 0.000+/-0.000 χ²/NDF: 5696137.7/17
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:3751134.3/23
Out: 0.000+/-0.000 χ²/NDF:8720061.6/28
All: 0.000+/-0.000 χ²/NDF: 14006637.9/52



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 15.543+/-21.240 χ^2/NDF:12.4/9

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 12.028+/-22.578 χ^2/NDF:6.8/7

Left: 13.893+/-15.470 χ^2/NDF: 19.2/17

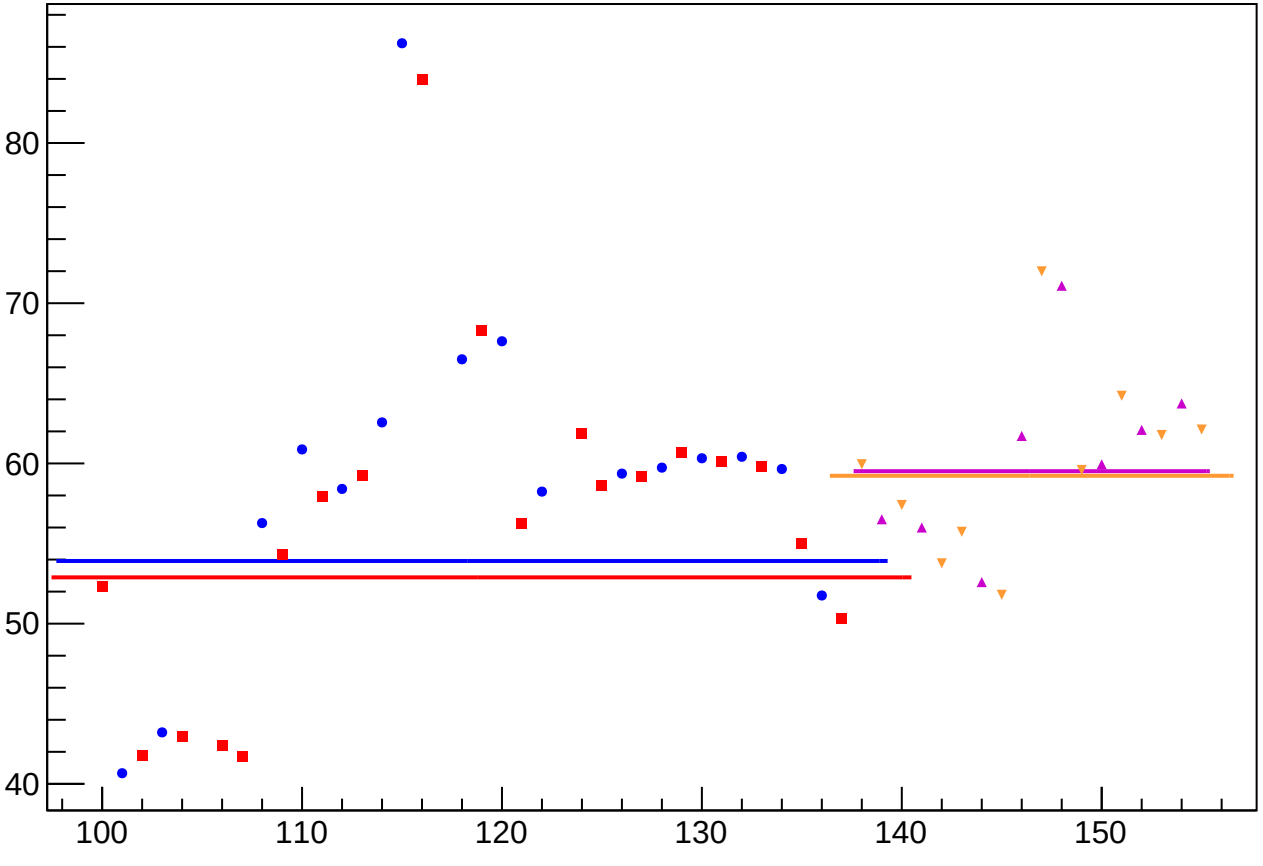
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 26.749+/-15.142 χ^2/NDF:30.9/23

Out: 47.127+/-14.484 χ^2/NDF:39.0/28

All: 37.390+/-10.466 χ^2/NDF: 70.8/52

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 59.230+/-0.015 χ^2/NDF:119207.2/9

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 59.516+/-0.016 χ^2/NDF:100361.3/7

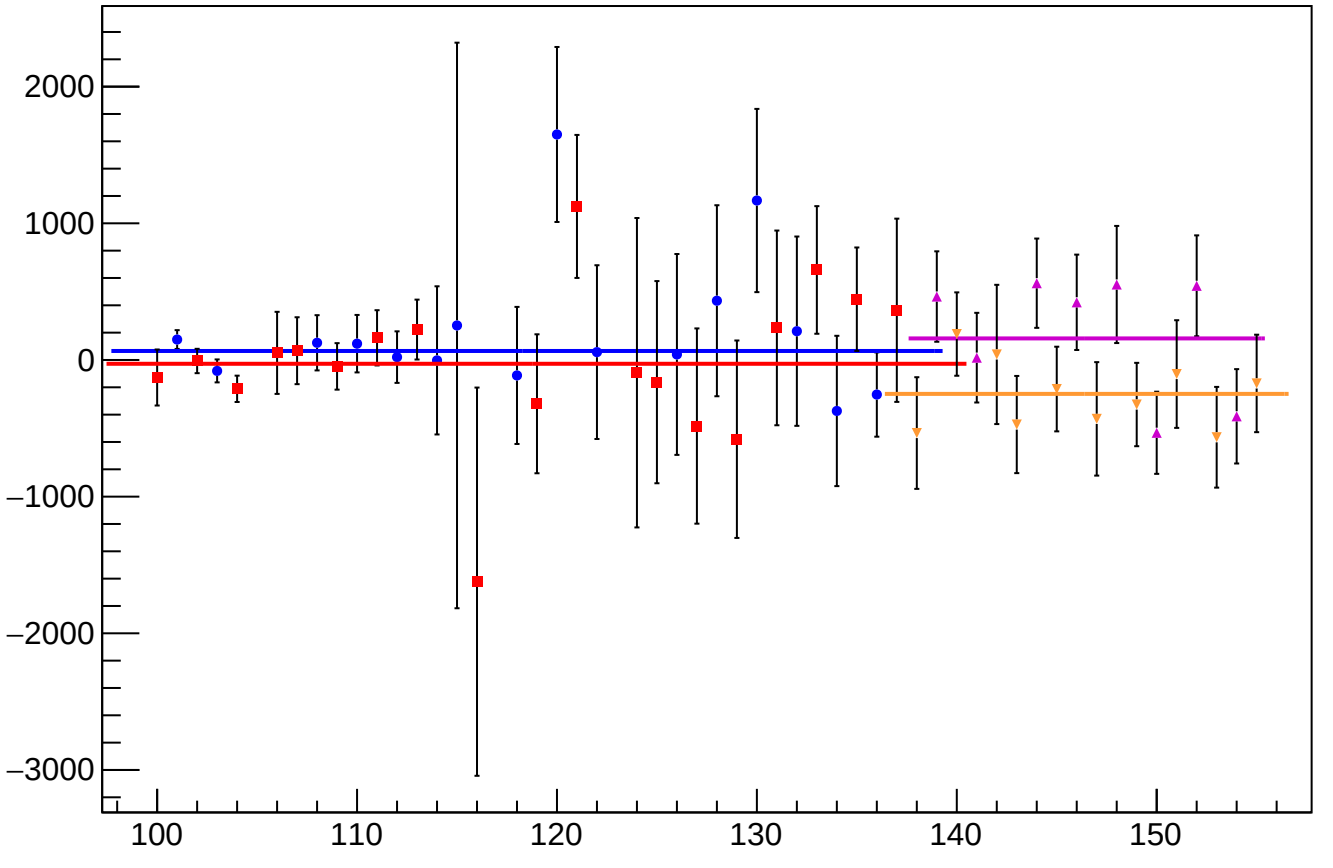
Left: 59.364+/-0.011 χ^2/NDF: 219739.2/17

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 56.433+/-0.011 χ^2/NDF:561416.0/23

Out: 55.837+/-0.010 χ^2/NDF:639794.1/28

All: 56.122+/-0.007 χ^2/NDF: 1202824.2/52



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -248.155+/-113.852 χ^2/NDF:4.5/9

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 157.708+/-121.044 χ^2/NDF:13.1/7

Left: -57.639+/-82.932 χ^2/NDF: 23.5/17

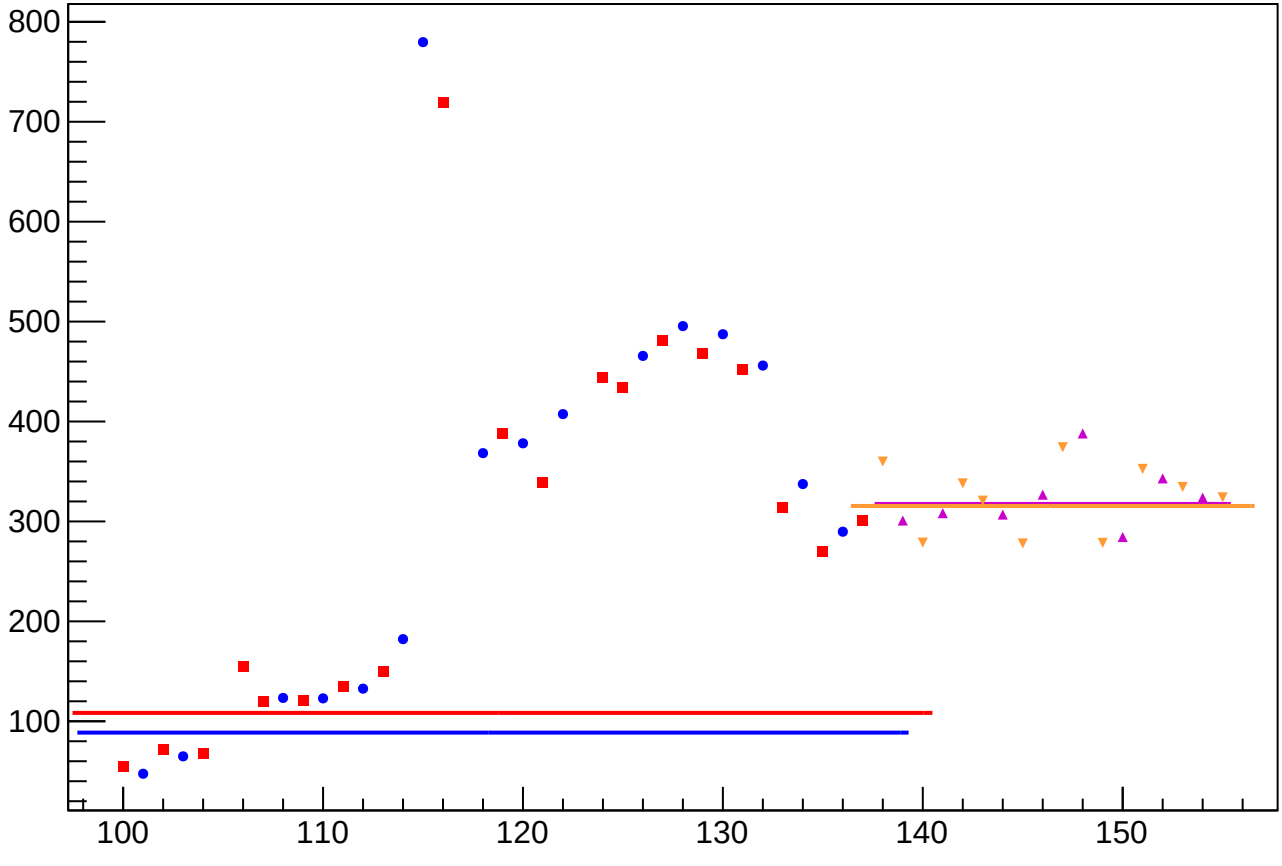
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 77.656+/-43.390 χ^2/NDF:29.3/23

Out: -63.818+/-46.003 χ^2/NDF:25.6/28

All: 11.051+/-31.565 χ^2/NDF: 59.9/52

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: 315.489+/-0.081 χ^2/NDF:179796.1/9

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 317.489+/-0.086 χ^2/NDF:98880.5/7

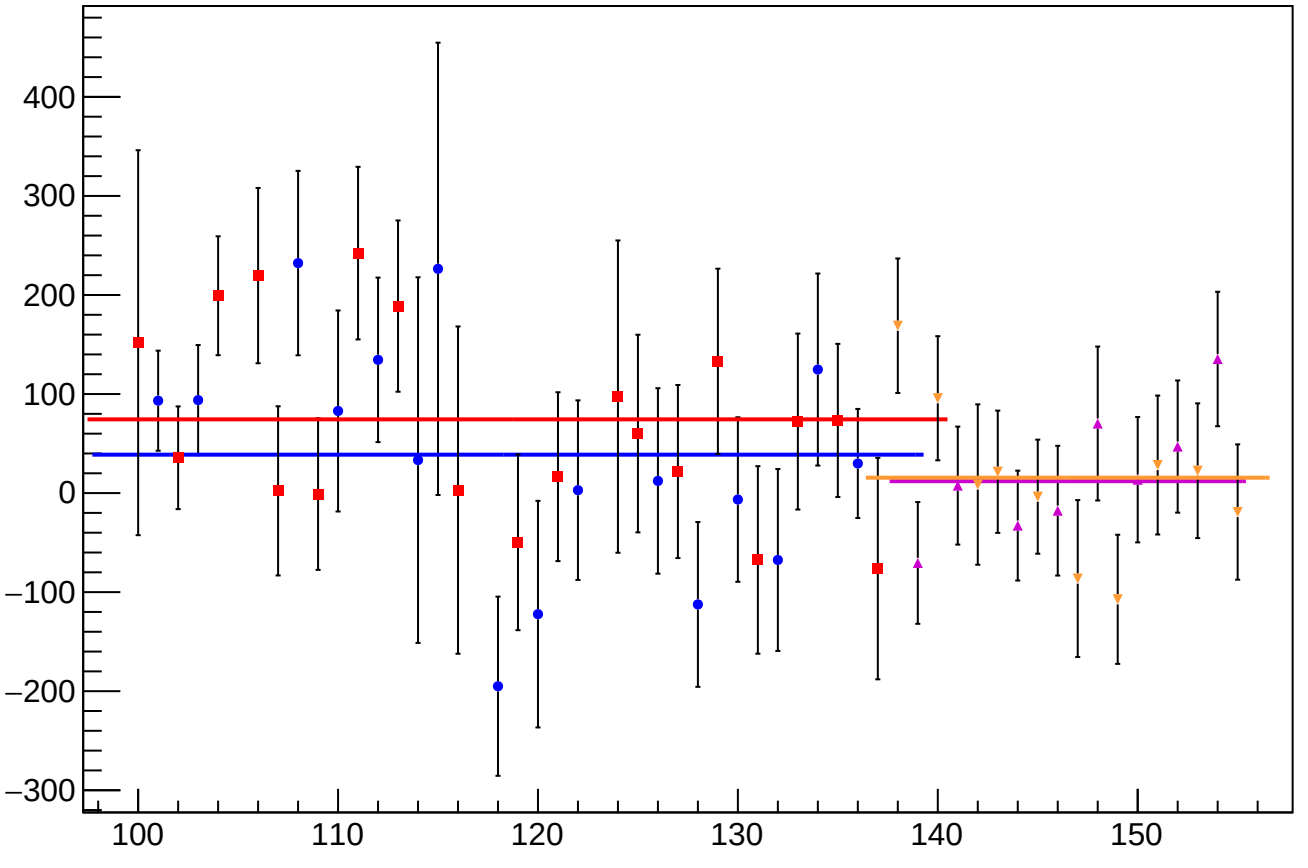
Left: 316.428+/-0.059 χ^2/NDF: 278966.3/17

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 118.062+/-0.031 χ^2/NDF:12976307.8/23

Out: 142.198+/-0.033 χ^2/NDF:11080122.3/28

All: 129.425+/-0.022 χ^2/NDF: 24347791.2/52



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 15.545+/-21.240 χ^2/NDF:12.4/9

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 12.026+/-22.578 χ^2/NDF:6.8/7

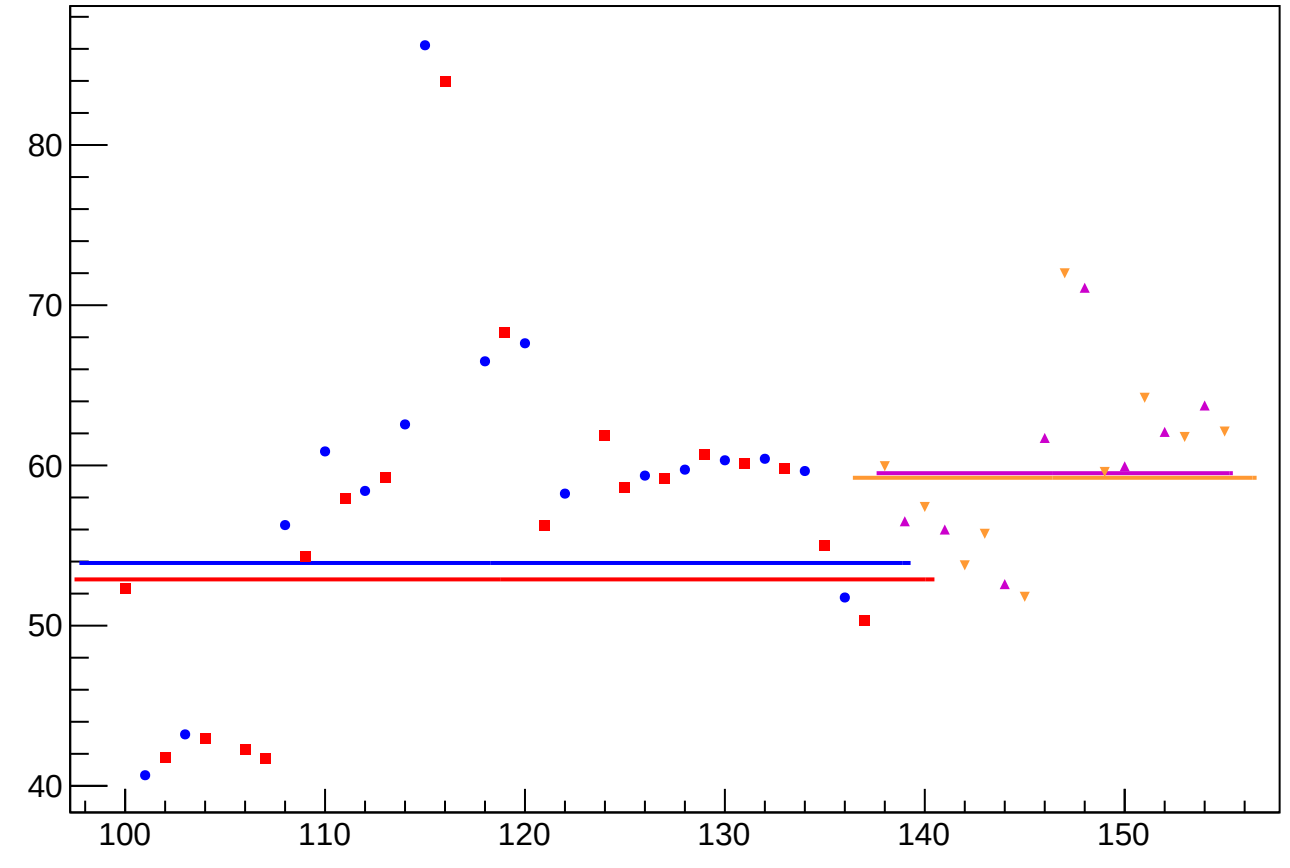
Left: 13.893+/-15.470 χ^2/NDF: 19.2/17

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 26.755+/-15.142 χ^2/NDF:30.9/23

Out: 47.053+/-14.484 χ^2/NDF:38.8/28

All: 37.354+/-10.467 χ^2/NDF: 70.7/52



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 59.230+/-0.015 χ^2/NDF:119207.2/9

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 59.516+/-0.016 χ^2/NDF:100361.3/7

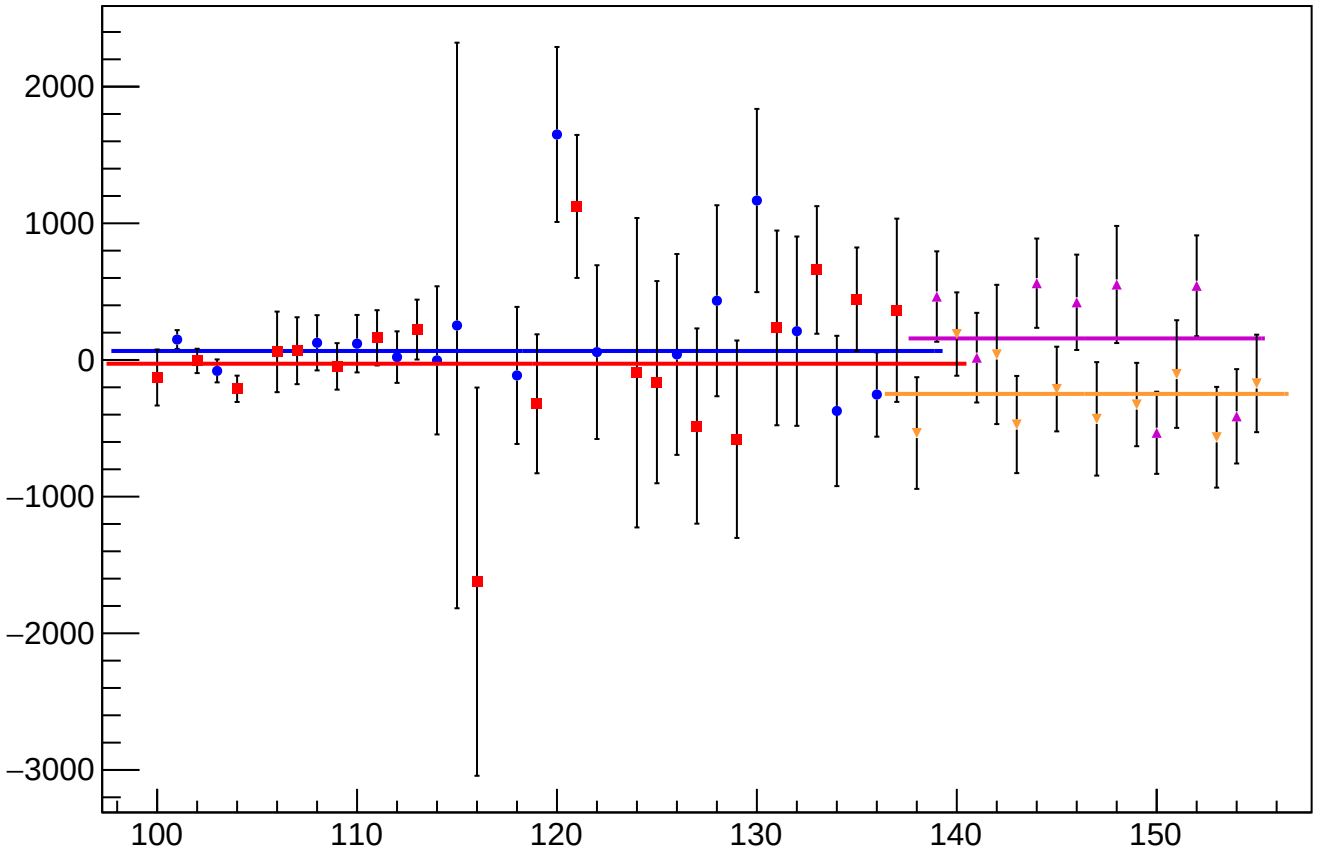
Left: 59.364+/-0.011 χ^2/NDF: 219739.2/17

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 56.433+/-0.011 χ^2/NDF:561415.2/23

Out: 55.836+/-0.010 χ^2/NDF:640162.9/28

All: 56.121+/-0.007 χ^2/NDF: 1203197.5/52



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -248.154+/-113.852 χ^2/NDF:4.5/9

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 157.705+/-121.044 χ^2/NDF:13.1/7

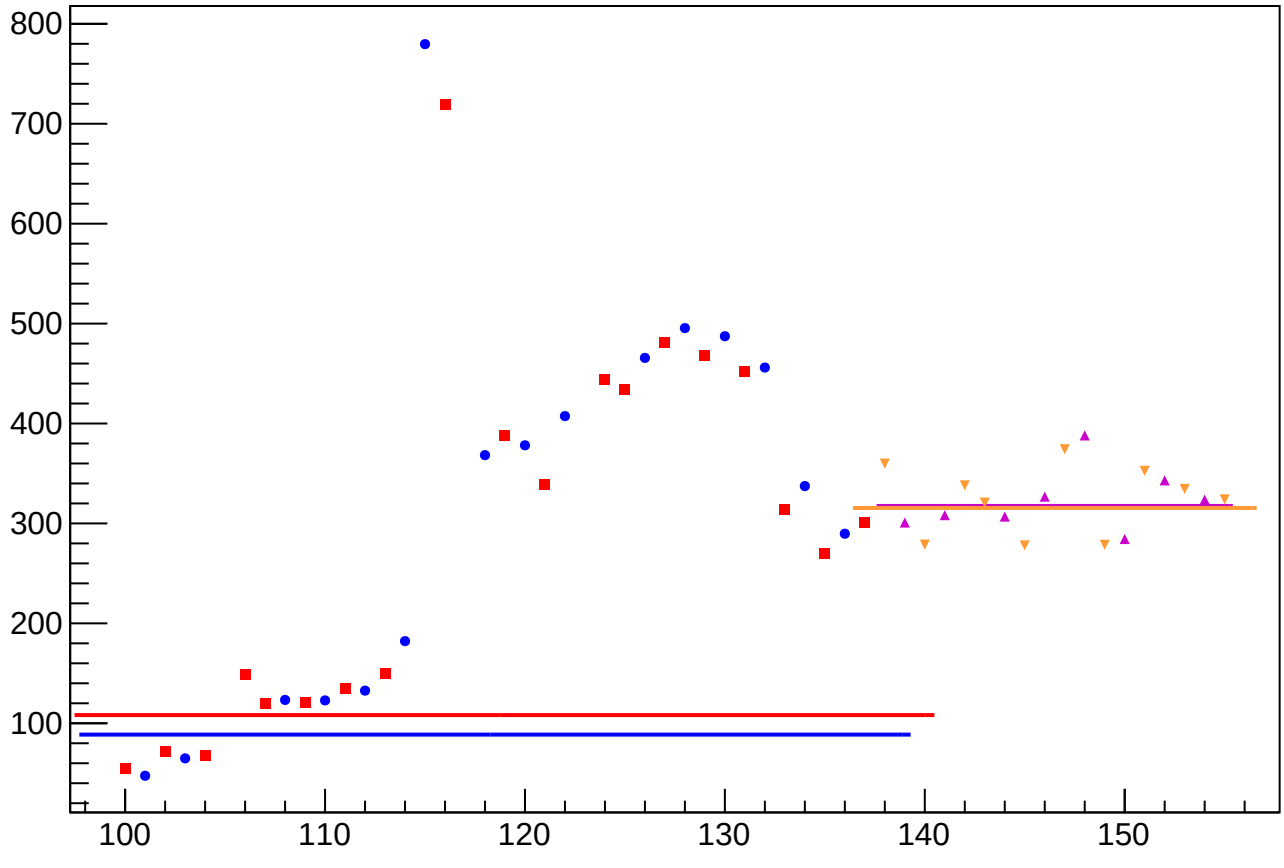
Left: -57.639+/-82.931 χ^2/NDF: 23.5/17

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 77.658+/-43.389 χ^2/NDF:29.3/23

Out: -63.395+/-45.970 χ^2/NDF:25.6/28

All: 11.203+/-31.554 χ^2/NDF: 59.9/52



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 315.489+/-0.081 χ^2/NDF:179795.7/9

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 317.489+/-0.086 χ^2/NDF:98881.9/7

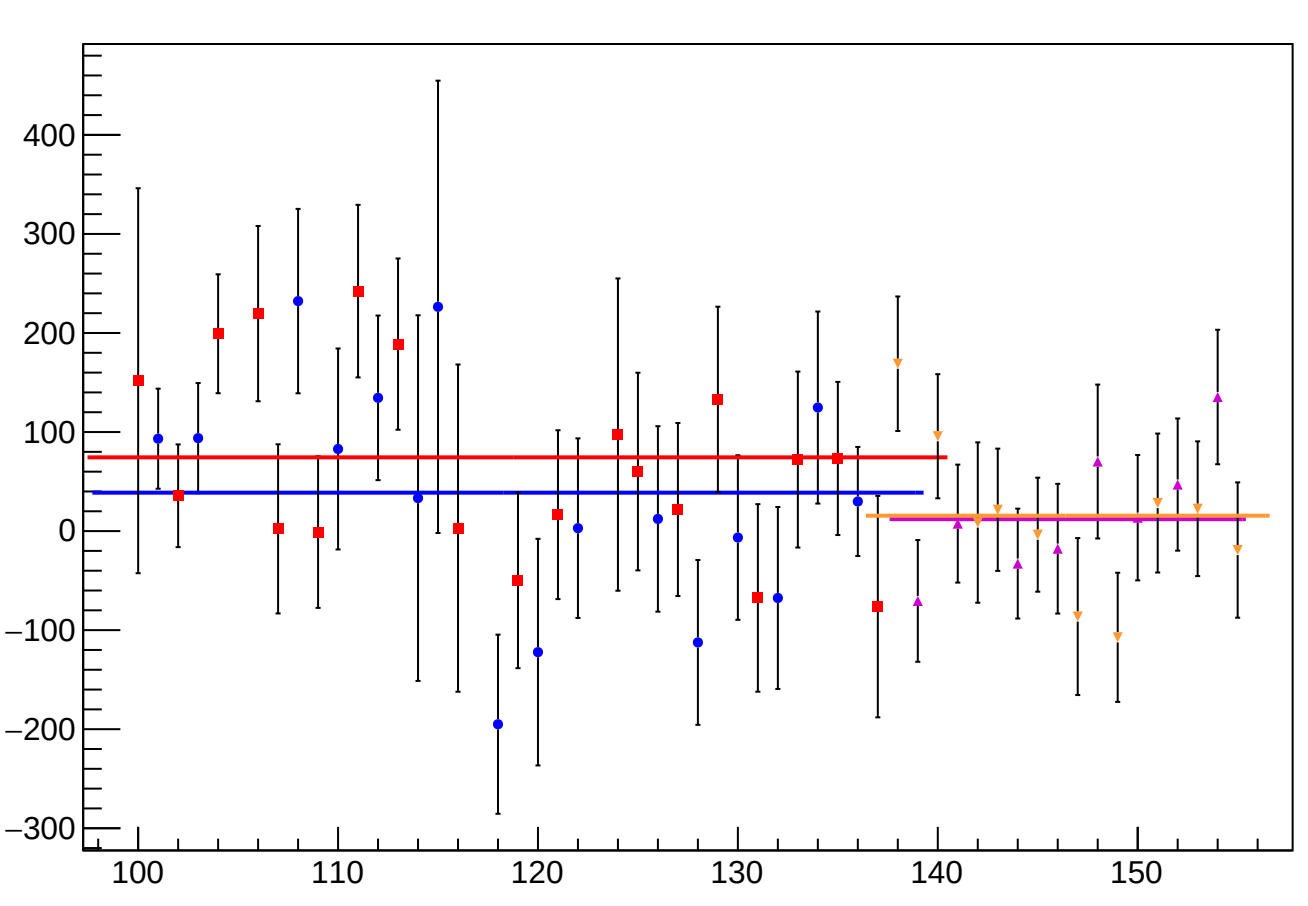
Left: 316.428+/-0.059 χ^2/NDF: 278967.2/17

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 118.058+/-0.031 χ^2/NDF:12976555.0/23

Out: 142.000+/-0.033 χ^2/NDF:11083238.8/28

All: 129.338+/-0.022 χ^2/NDF: 24346705.5/52



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 15.545+/-21.240 χ^2/NDF:12.4/9

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 12.026+/-22.578 χ^2/NDF:6.8/7

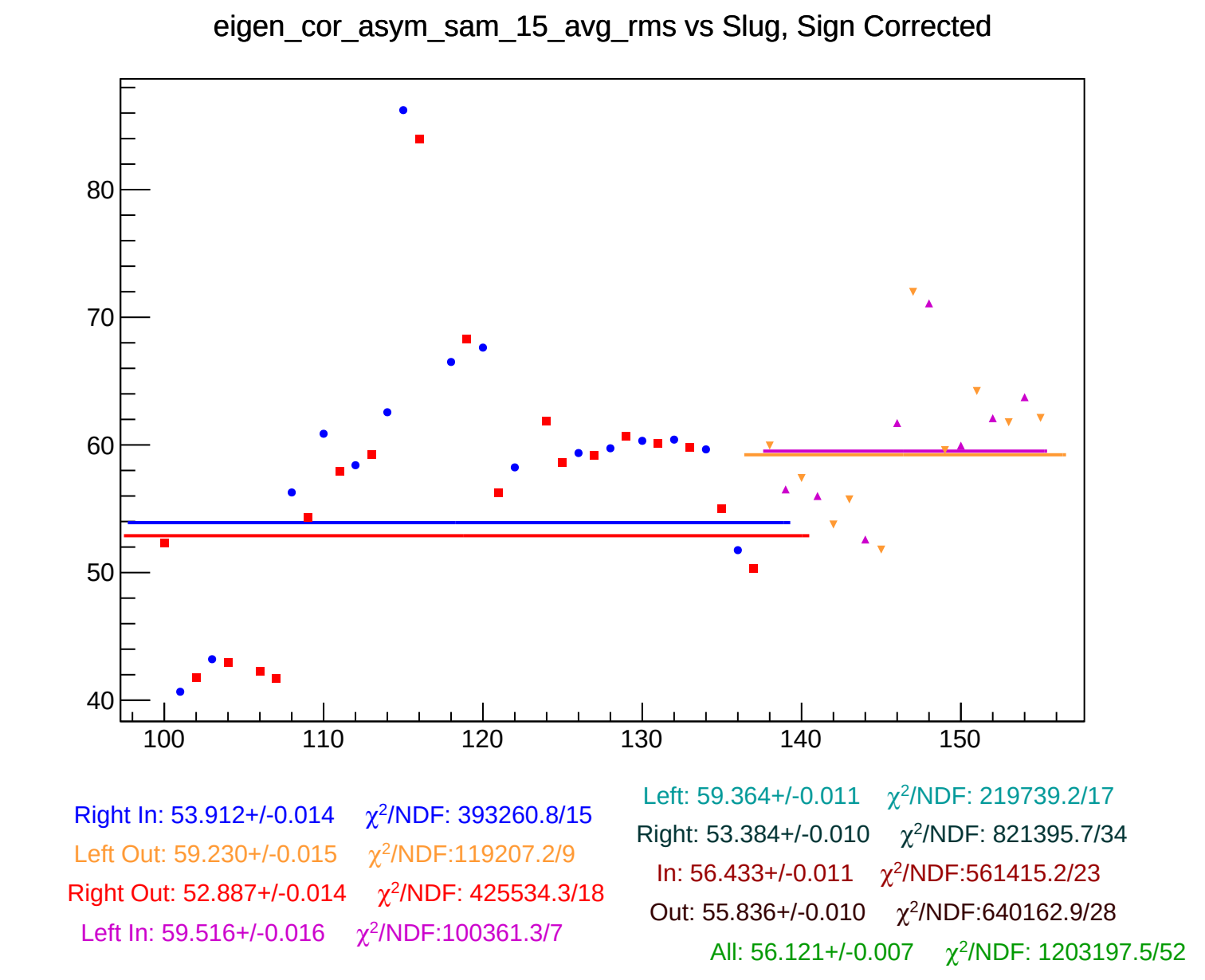
Left: 13.893+/-15.470 χ^2/NDF: 19.2/17

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 26.755+/-15.142 χ^2/NDF:30.9/23

Out: 47.053+/-14.484 χ^2/NDF:38.8/28

All: 37.354+/-10.467 χ^2/NDF: 70.7/52


eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
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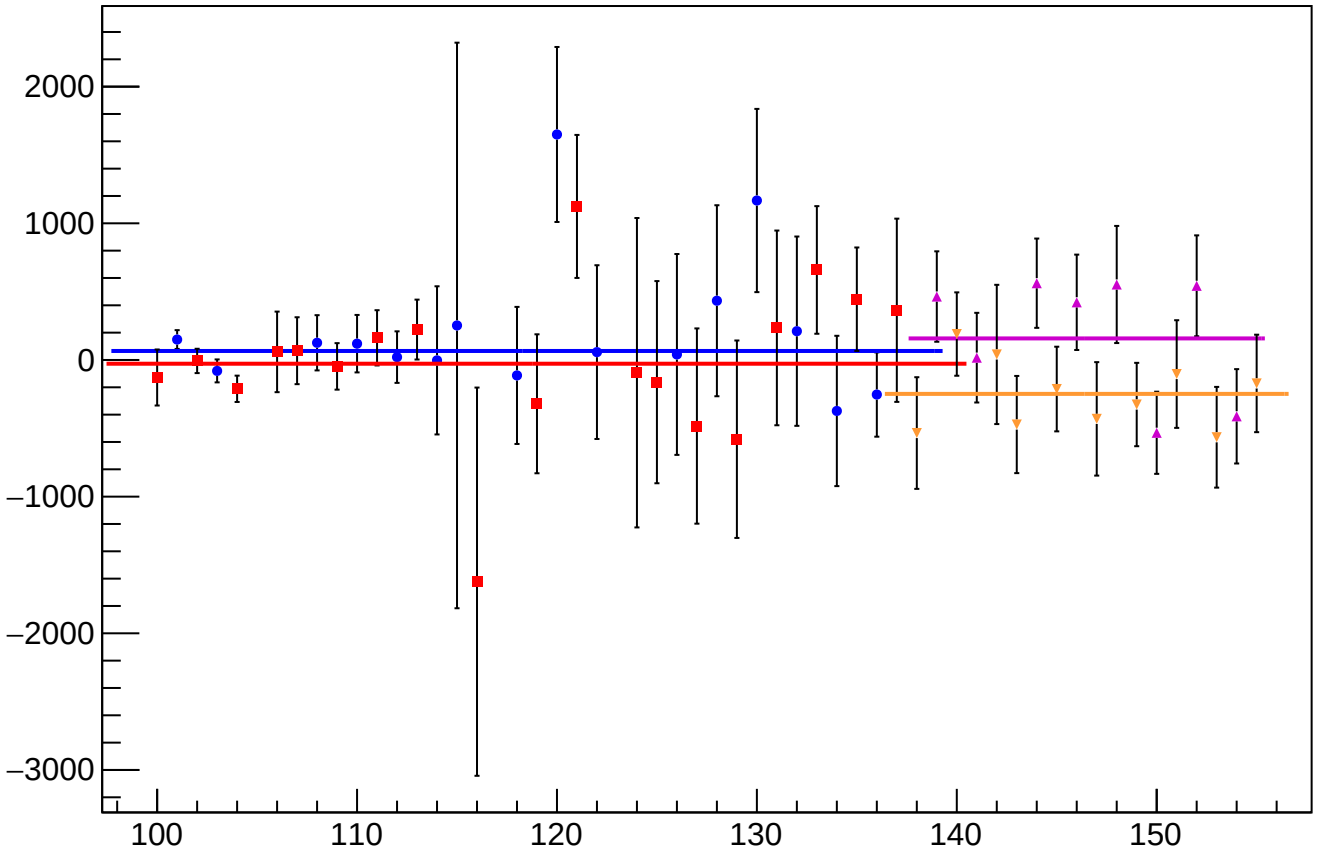
120
130
140
150
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 59.230+/-0.015 χ²/NDF:119207.2/9
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 59.516+/-0.016 χ²/NDF:100361.3/7
Left: 59.364+/-0.011 χ²/NDF: 219739.2/17
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 56.433+/-0.011 χ²/NDF:561415.2/23
Out: 55.836+/-0.010 χ²/NDF:640162.9/28
All: 56.121+/-0.007 χ²/NDF: 1203197.5/52



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -248.154+/-113.852 χ^2/NDF:4.5/9

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 157.705+/-121.044 χ^2/NDF:13.1/7

Left: -57.639+/-82.931 χ^2/NDF: 23.5/17

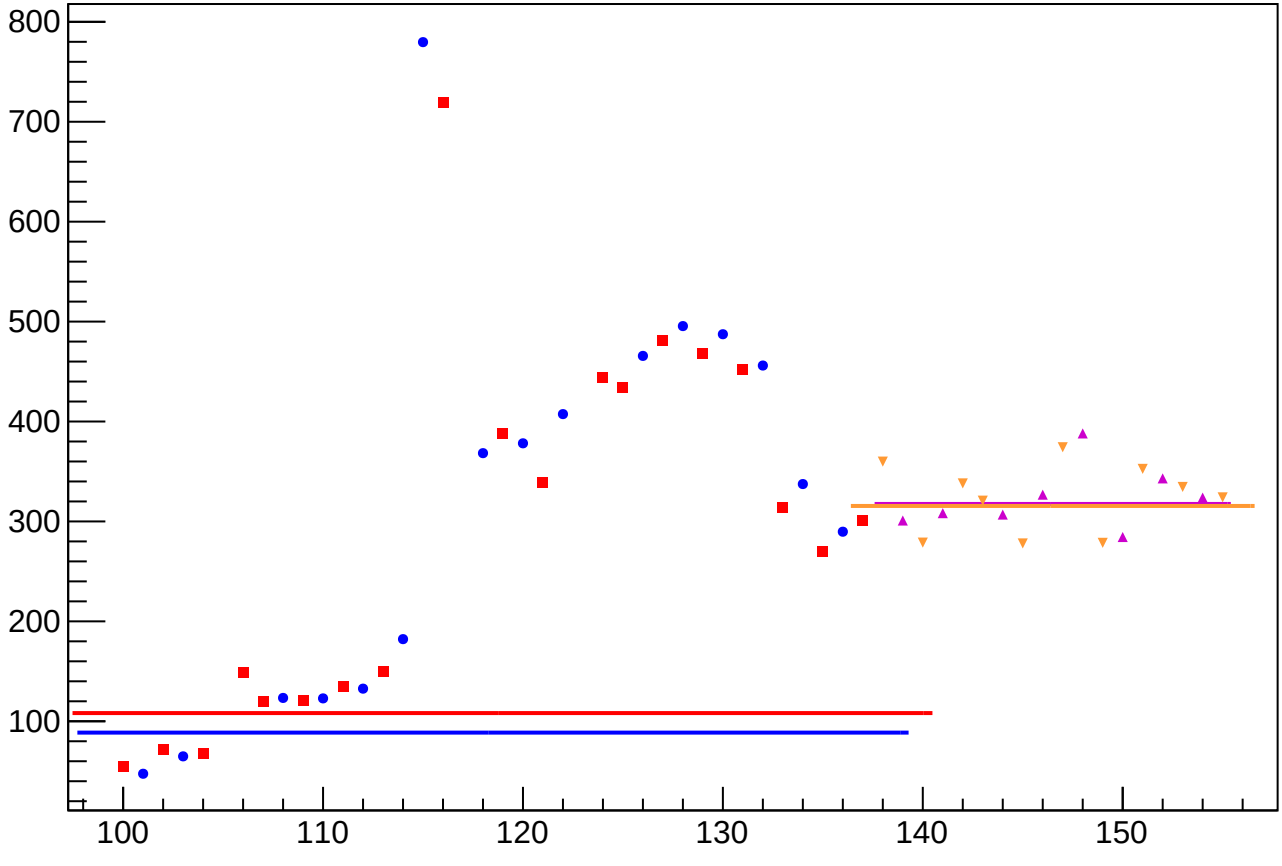
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 77.658+/-43.389 χ^2/NDF:29.3/23

Out: -63.395+/-45.970 χ^2/NDF:25.6/28

All: 11.203+/-31.554 χ^2/NDF: 59.9/52

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: 315.489+/-0.081 χ^2/NDF:179795.7/9

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 317.489+/-0.086 χ^2/NDF:98881.9/7

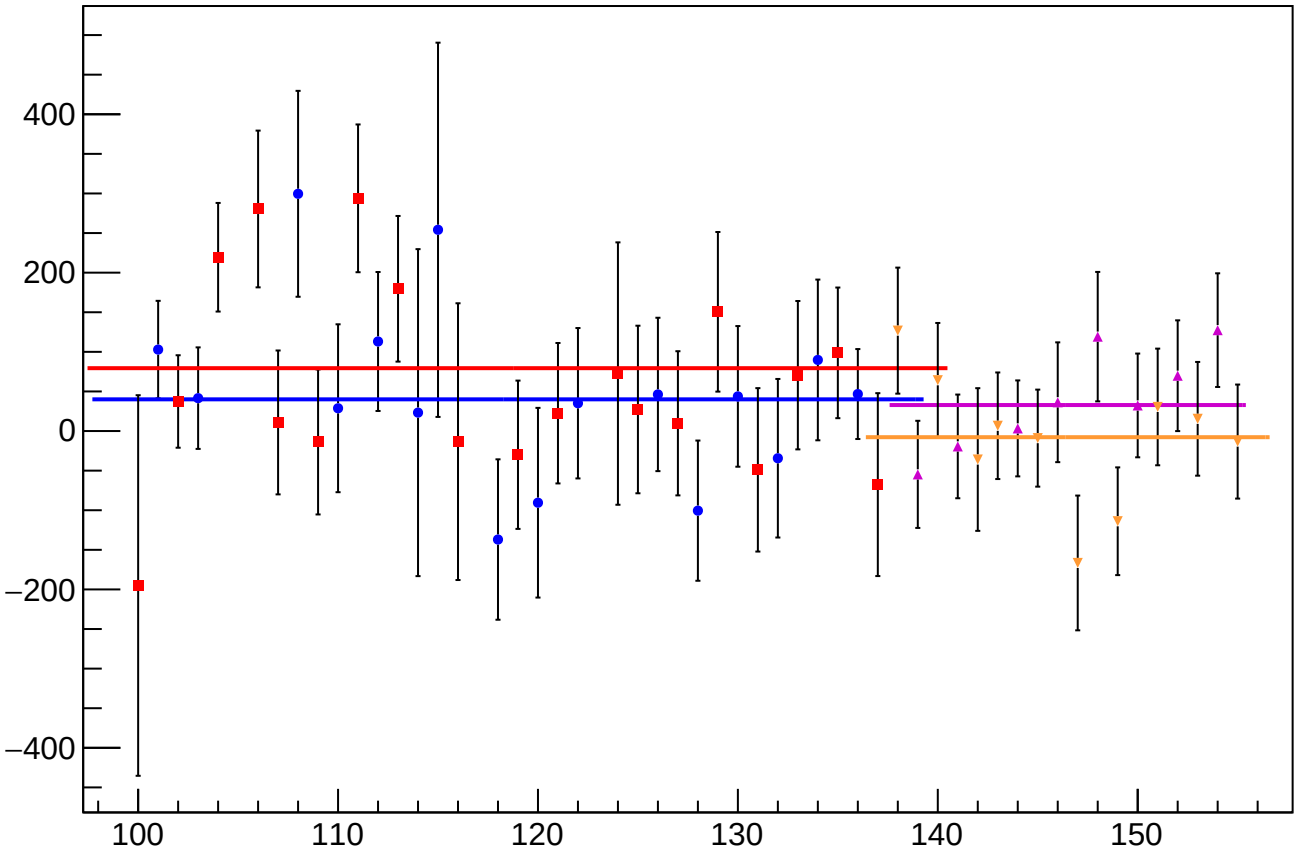
Left: 316.428+/-0.059 χ^2/NDF: 278967.2/17

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 118.058+/-0.031 χ^2/NDF:12976555.0/23

Out: 142.000+/-0.033 χ^2/NDF:11083238.8/28

All: 129.338+/-0.022 χ^2/NDF: 24346705.5/52



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -7.771+/-23.033 χ^2/NDF:10.3/9

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 32.831+/-24.393 χ^2/NDF:5.7/7

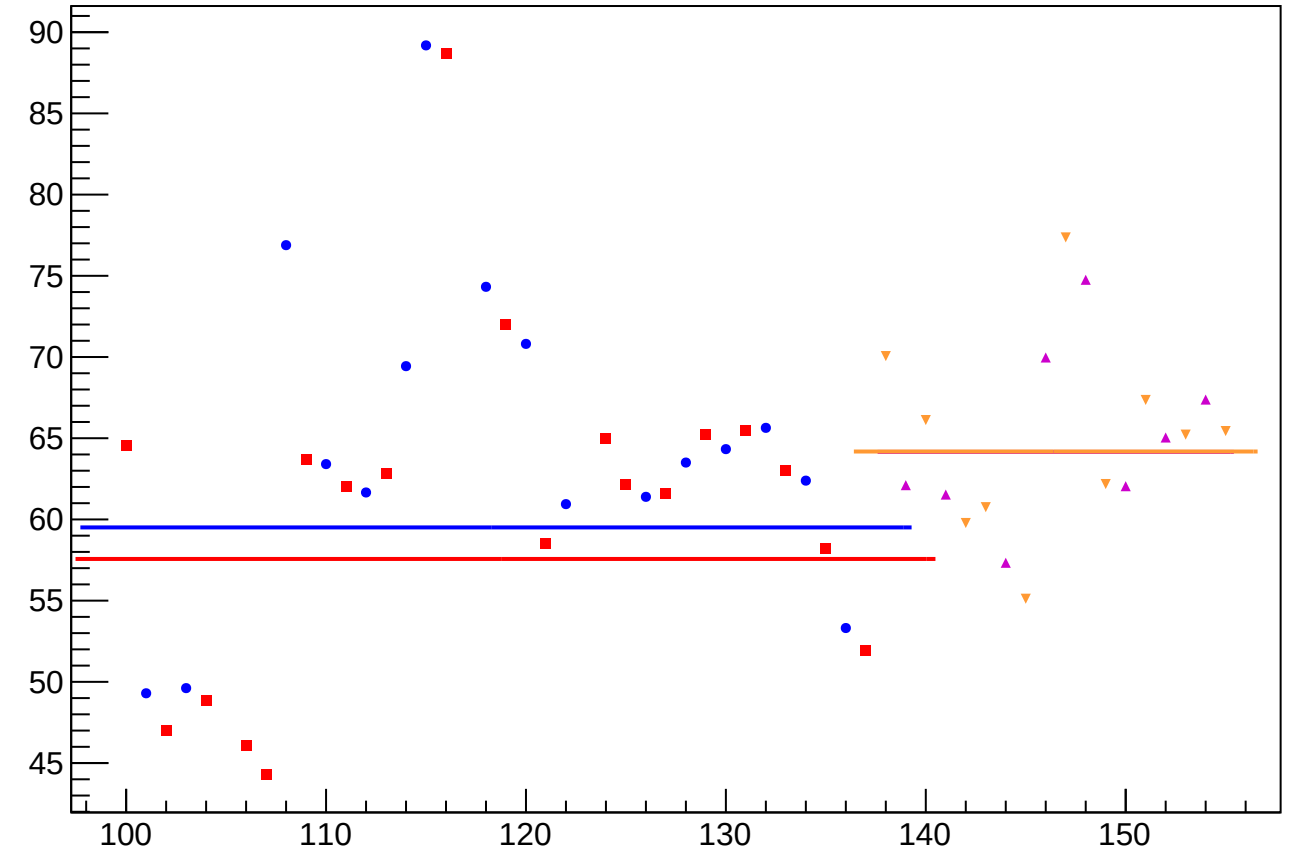
Left: 11.366+/-16.747 χ^2/NDF: 17.4/17

Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 36.718+/-16.544 χ^2/NDF:19.9/23

Out: 38.644+/-15.747 χ^2/NDF:42.7/28

All: 37.729+/-11.406 χ^2/NDF: 62.6/52



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.182+/-0.016 χ^2/NDF:120558.9/9

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 64.157+/-0.017 χ^2/NDF:82316.8/7

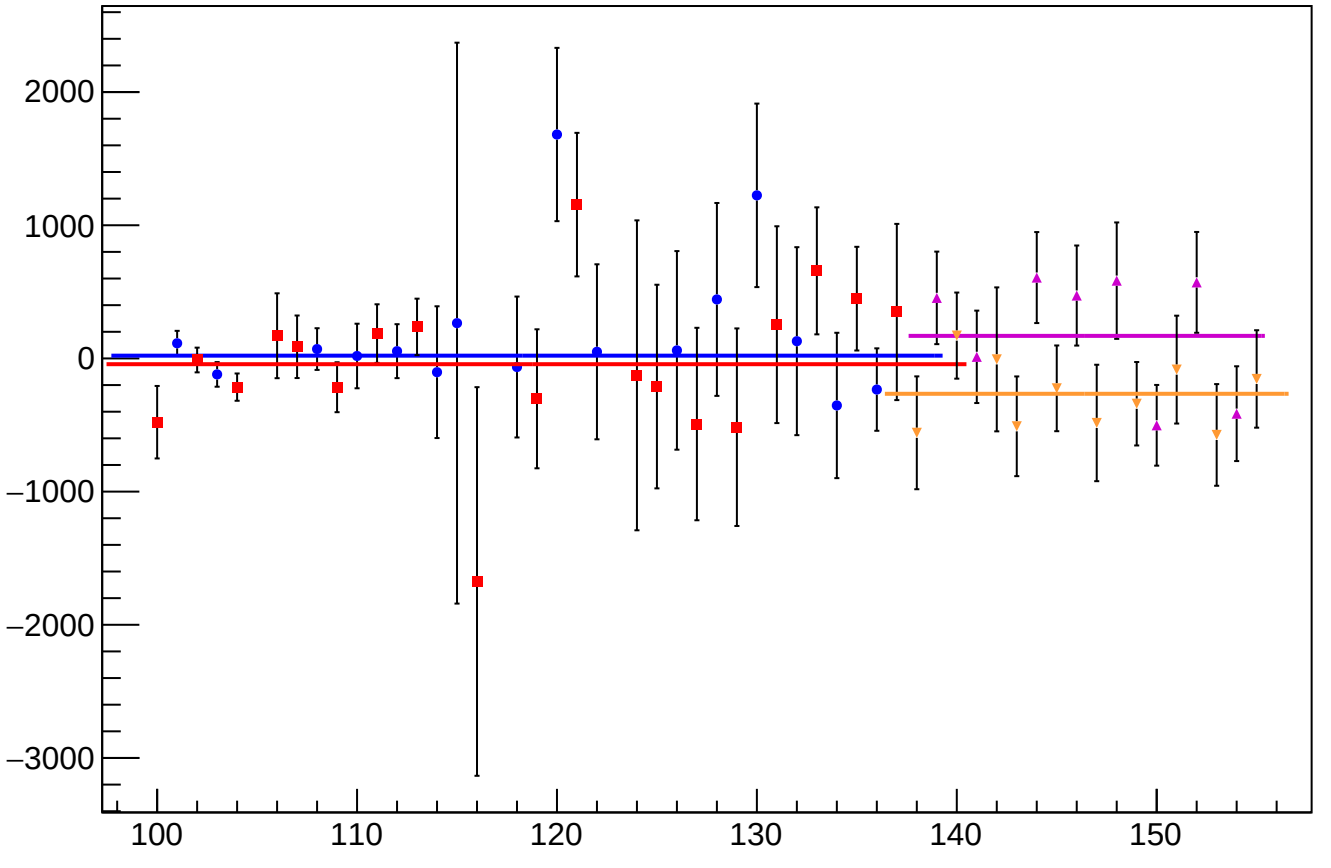
Left: 64.170+/-0.012 χ^2/NDF: 202876.9/17

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 61.647+/-0.012 χ^2/NDF:404720.4/23

Out: 60.659+/-0.011 χ^2/NDF:555806.8/28

All: 61.128+/-0.008 χ^2/NDF: 964269.9/52



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -265.513+/-118.512 χ^2/NDF:4.2/9

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 169.427+/-125.754 χ^2/NDF:12.8/7

Left: -60.926+/-86.247 χ^2/NDF: 23.4/17

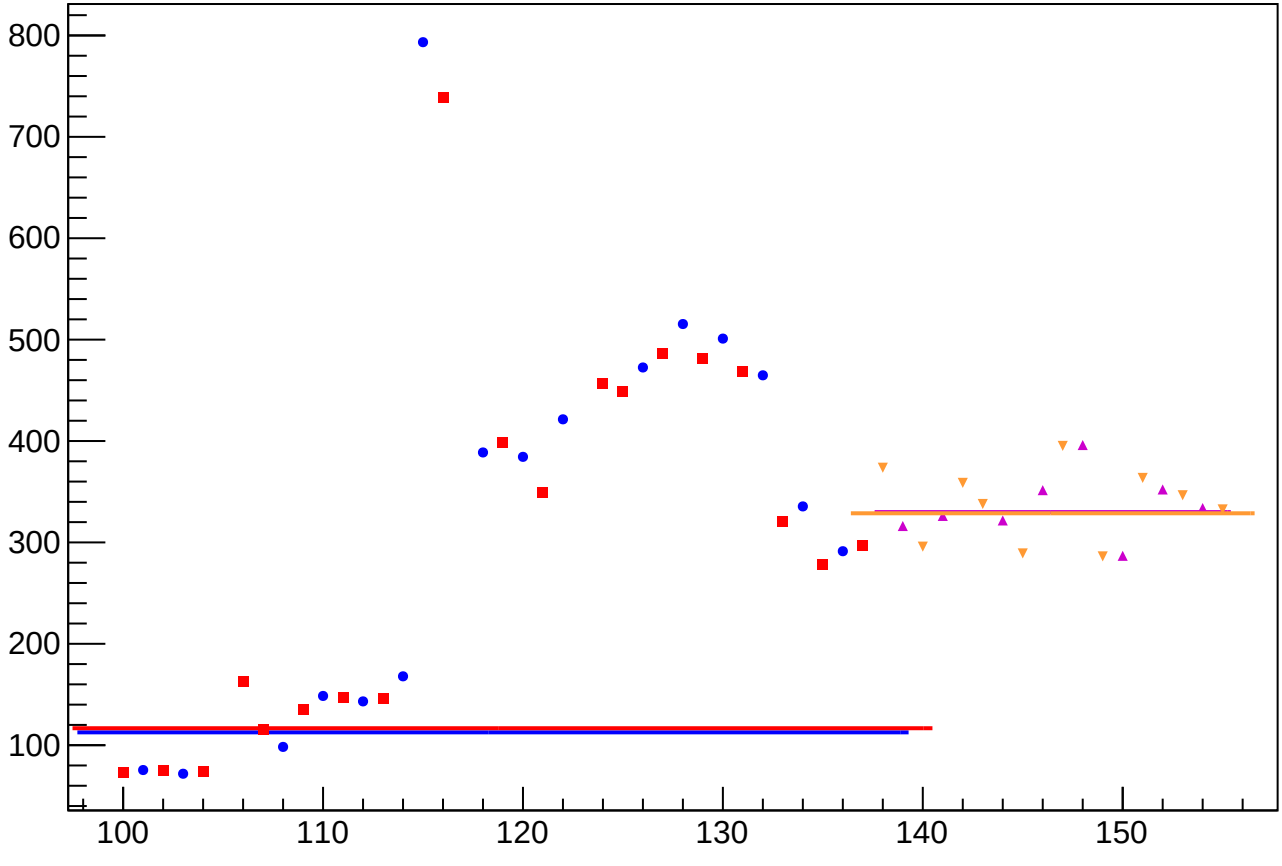
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 43.673+/-49.296 χ^2/NDF:28.6/23

Out: -80.549+/-48.542 χ^2/NDF:28.7/28

All: -19.395+/-34.588 χ^2/NDF: 60.5/52

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 328.718+/-0.084 χ^2/NDF:183255.6/9

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 329.941+/-0.089 χ^2/NDF:104634.2/7

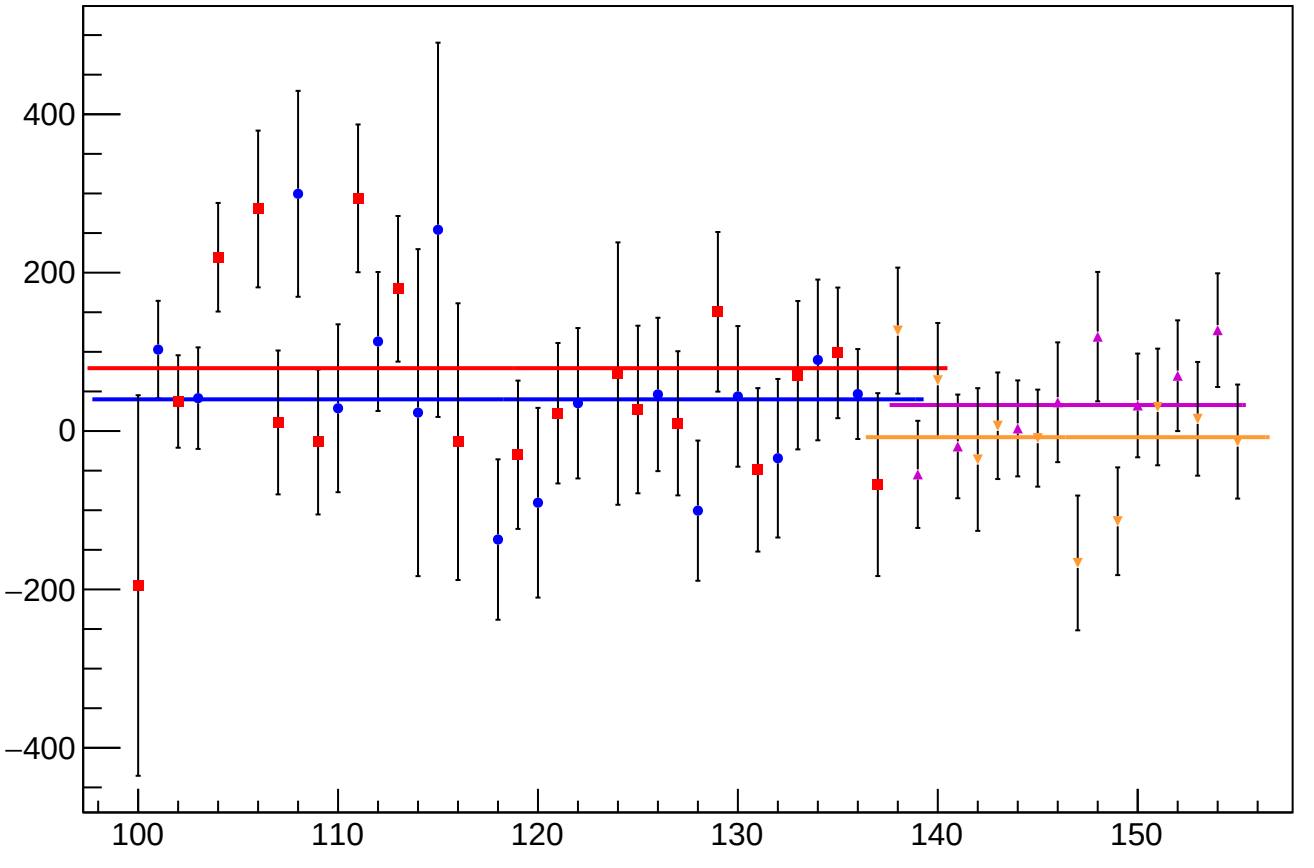
Left: 329.293+/-0.061 χ^2/NDF: 287990.0/17

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 146.056+/-0.035 χ^2/NDF:10757172.2/23

Out: 152.297+/-0.034 χ^2/NDF:10650148.8/28

All: 149.225+/-0.024 χ^2/NDF: 21423595.3/52



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -7.771+/-23.033 χ^2/NDF:10.3/9

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 32.831+/-24.393 χ^2/NDF:5.7/7

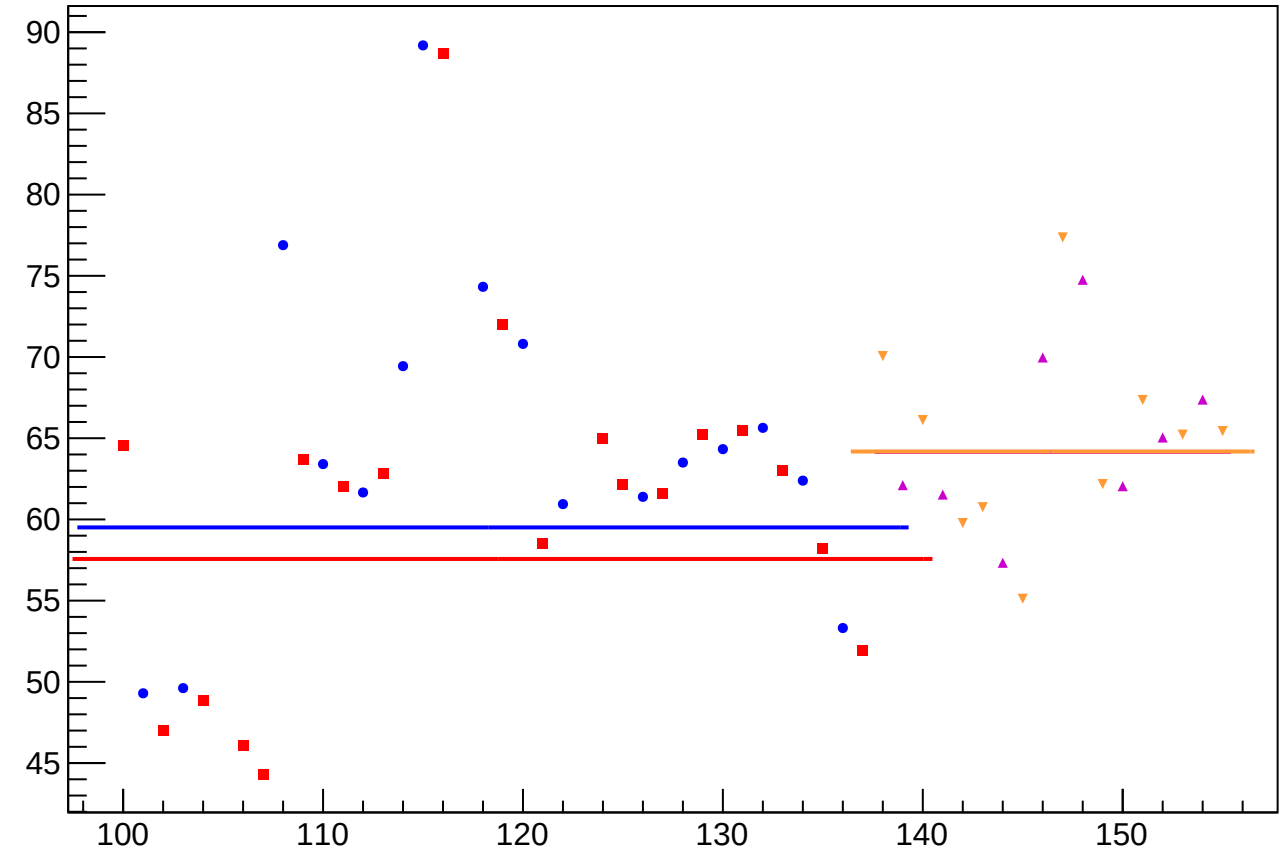
Left: 11.367+/-16.747 χ^2/NDF: 17.4/17

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 36.718+/-16.544 χ^2/NDF:19.9/23

Out: 38.644+/-15.747 χ^2/NDF:42.7/28

All: 37.729+/-11.406 χ^2/NDF: 62.6/52



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.182+/-0.016 χ^2/NDF:120562.4/9

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 64.157+/-0.017 χ^2/NDF:82316.6/7

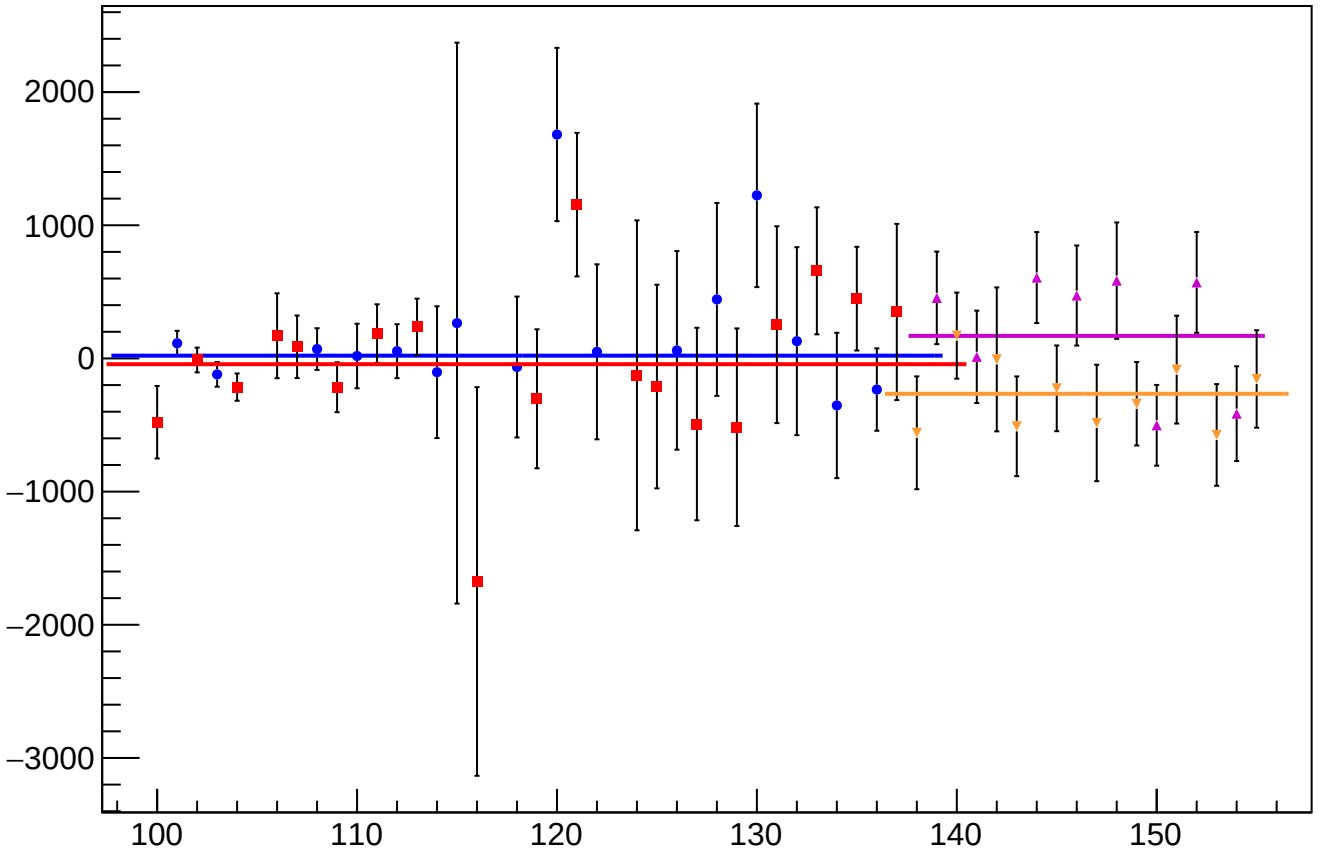
Left: 64.170+/-0.012 χ^2/NDF: 202880.2/17

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 61.647+/-0.012 χ^2/NDF:404723.1/23

Out: 60.659+/-0.011 χ^2/NDF:555813.0/28

All: 61.129+/-0.008 χ^2/NDF: 964279.0/52



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -265.512+/-118.512 χ^2/NDF:4.2/9

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 169.428+/-125.754 χ^2/NDF:12.8/7

Left: -60.926+/-86.247 χ^2/NDF: 23.4/17

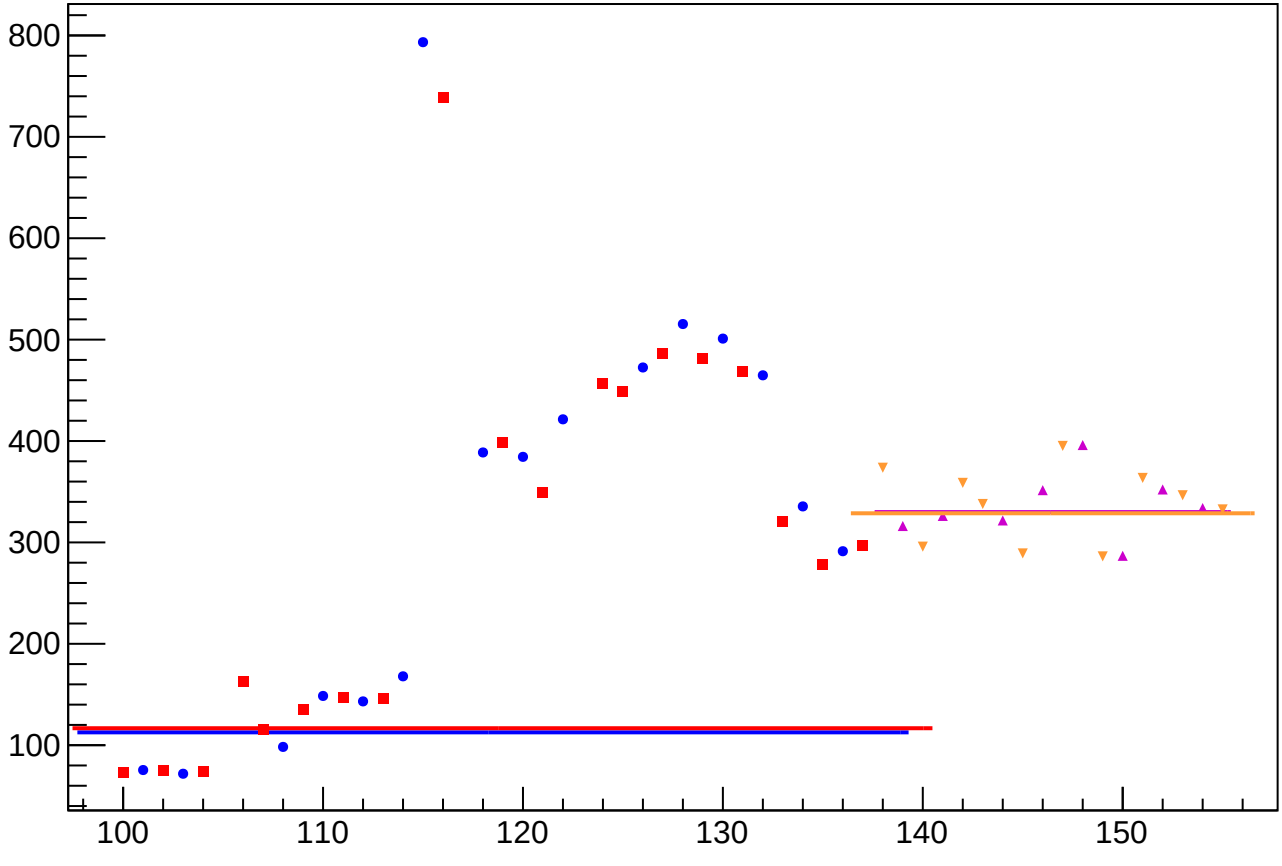
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 43.673+/-49.296 χ^2/NDF:28.6/23

Out: -80.548+/-48.542 χ^2/NDF:28.7/28

All: -19.395+/-34.588 χ^2/NDF: 60.5/52

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 328.719+/-0.084 χ^2/NDF:183256.0/9

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 329.942+/-0.089 χ^2/NDF:104633.7/7

Left: 329.294+/-0.061 χ^2/NDF: 287989.9/17

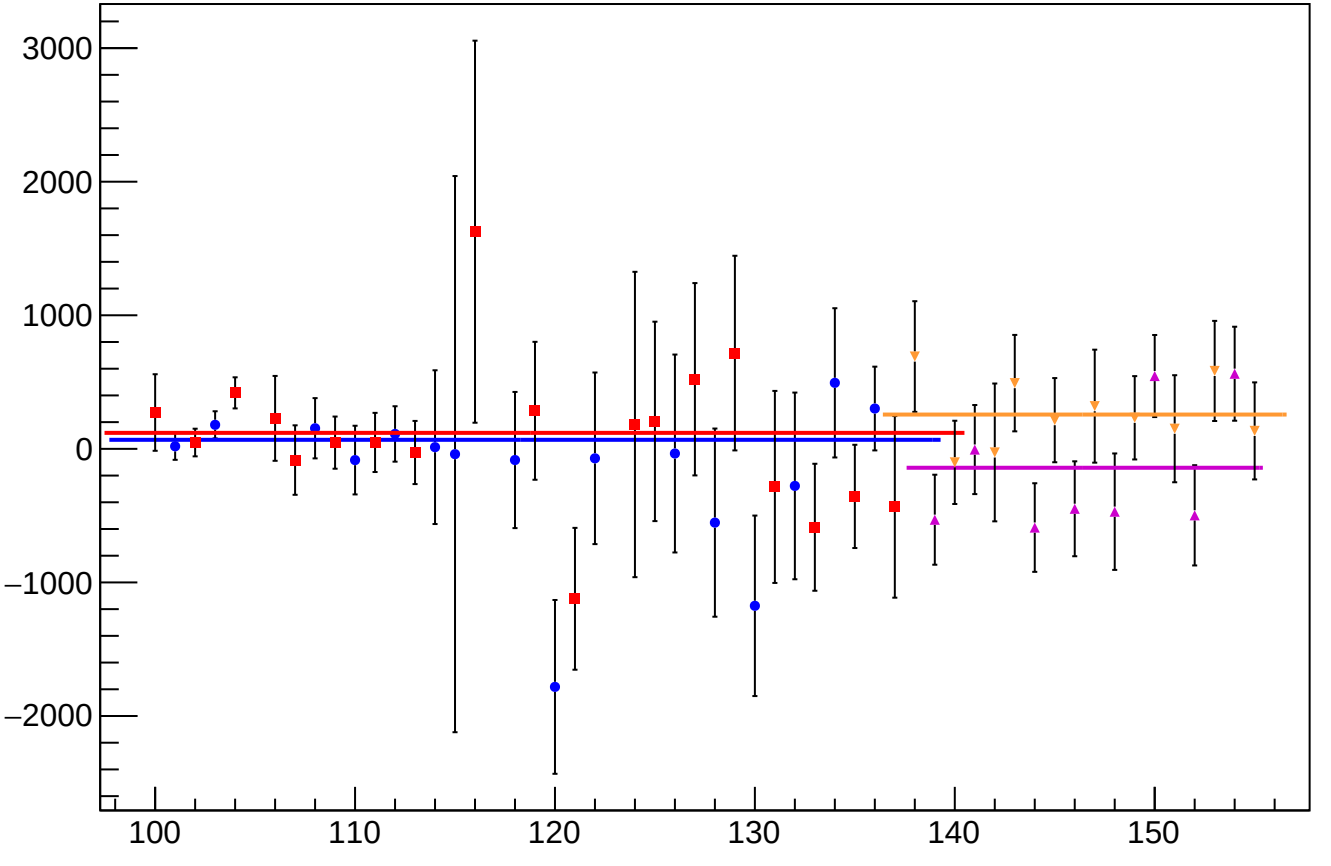
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 146.056+/-0.035 χ^2/NDF:10757205.0/23

Out: 152.297+/-0.034 χ^2/NDF:10650196.6/28

All: 149.225+/-0.024 χ^2/NDF: 21423675.2/52

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 256.798+/-115.919 χ^2/NDF:4.1/9

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -141.575+/-123.235 χ^2/NDF:14.5/7

Left: 69.785+/-84.435 χ^2/NDF: 24.2/17

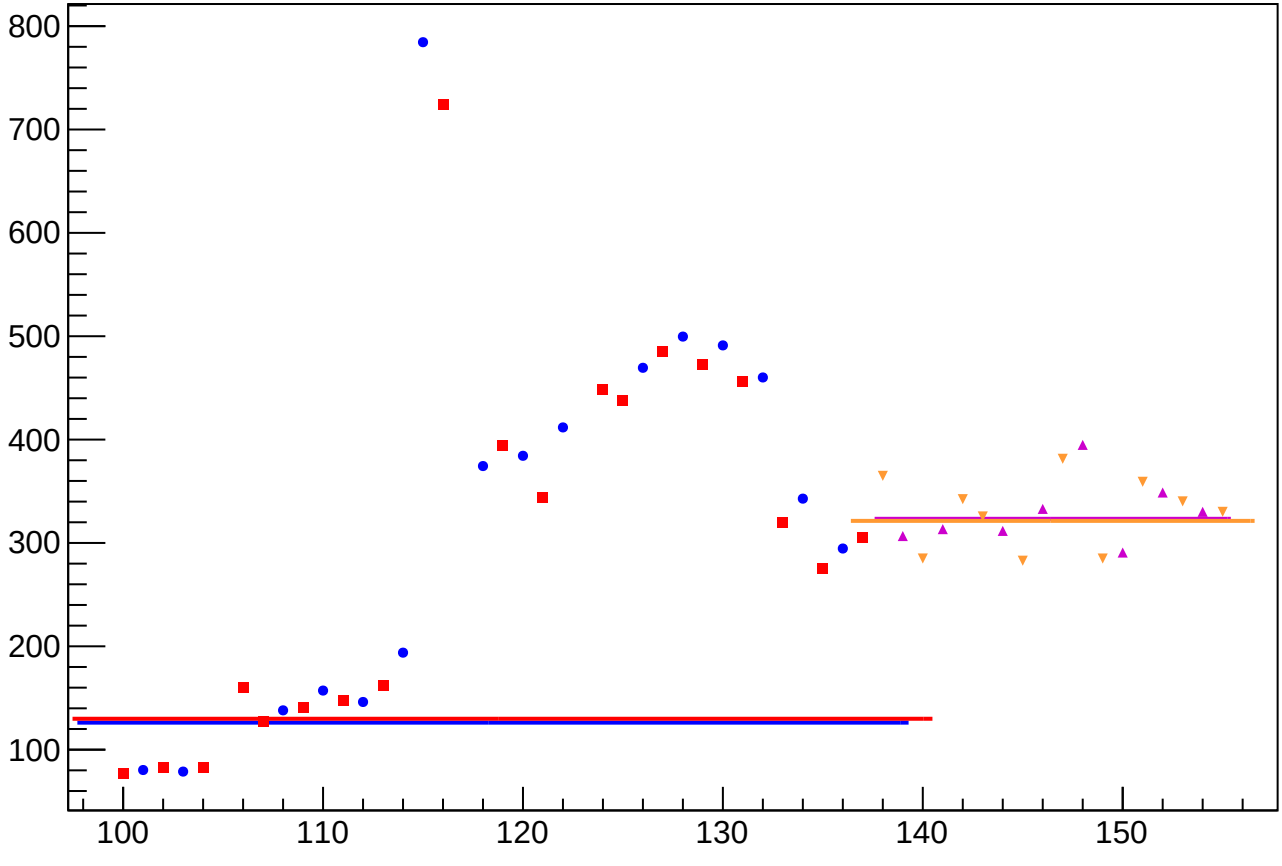
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 28.430+/-53.339 χ^2/NDF:32.7/23

Out: 147.054+/-51.828 χ^2/NDF:26.4/28

All: 89.447+/-37.171 χ^2/NDF: 61.6/52

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 321.357+/-0.082 χ^2/NDF:174531.2/9

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 323.356+/-0.087 χ^2/NDF:97011.1/7

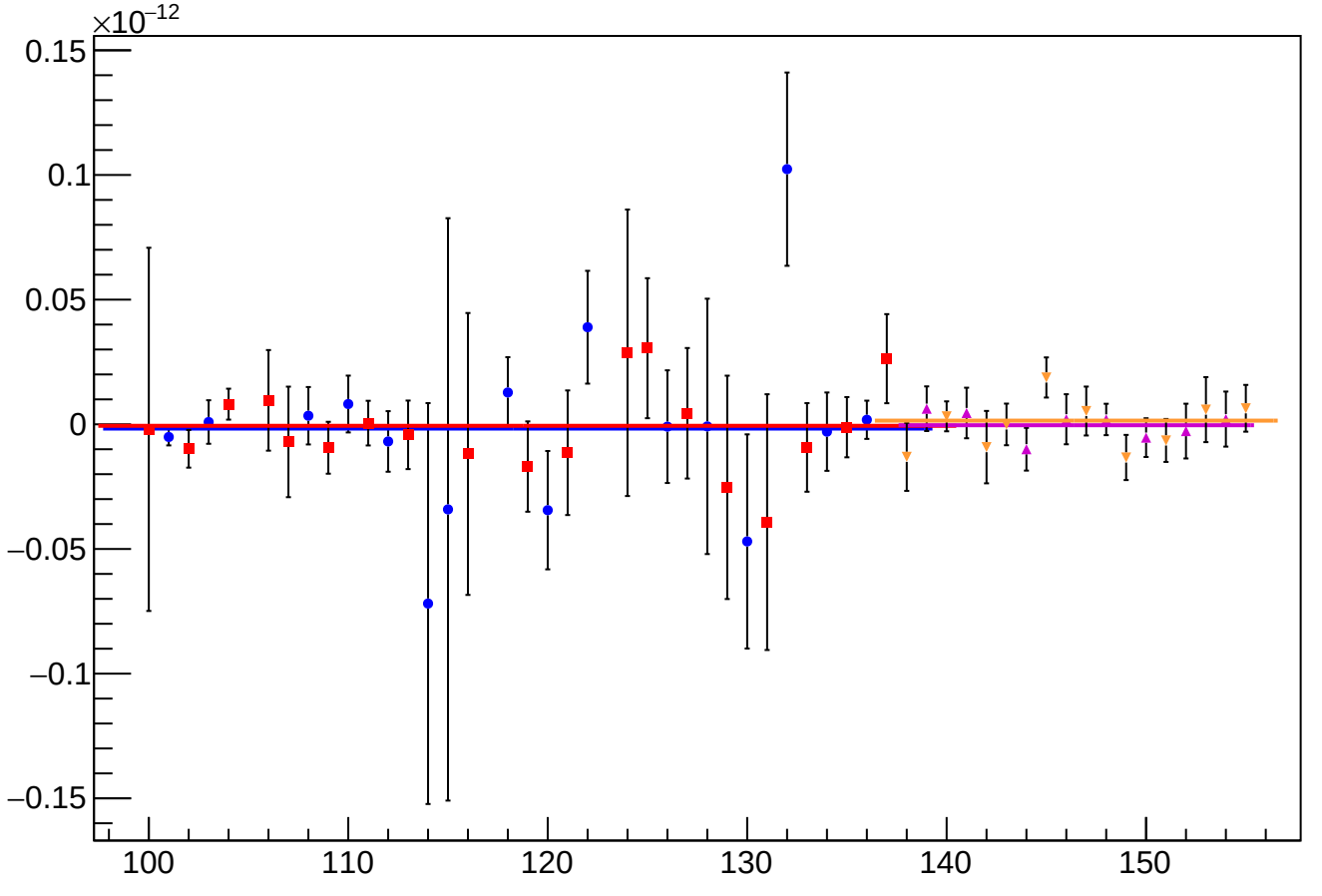
Left: 322.295+/-0.060 χ^2/NDF: 271821.6/17

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 163.098+/-0.038 χ^2/NDF:9479082.7/23

Out: 168.183+/-0.037 χ^2/NDF:9186750.9/28

All: 165.714+/-0.026 χ^2/NDF: 18675185.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/9

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/7

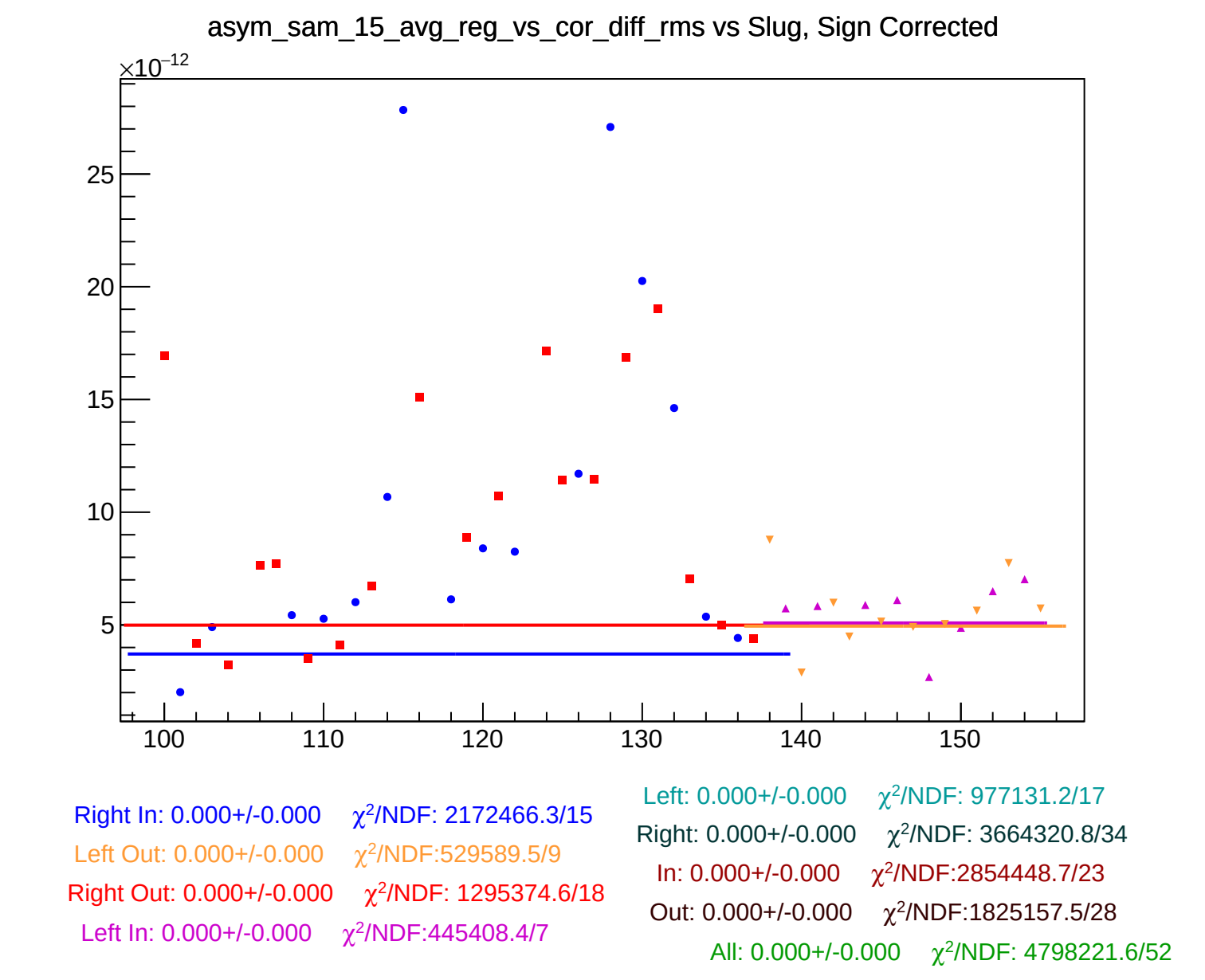
Left: 0.000+/-0.000 χ^2/NDF: 13.4/17

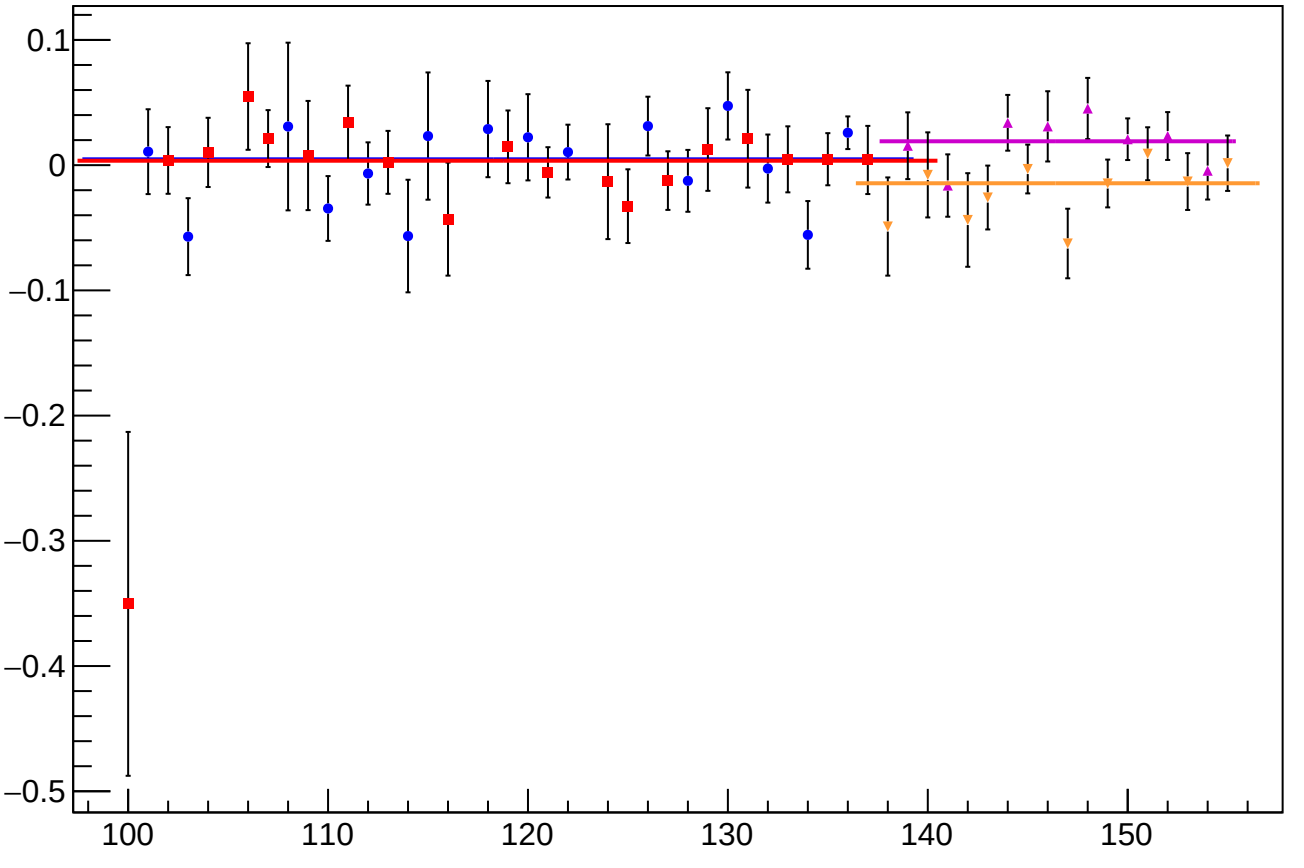
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:20.6/23

Out: 0.000+/-0.000 χ^2/NDF:21.2/28

All: -0.000+/-0.000 χ^2/NDF: 42.2/52


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:529589.5/9
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:445408.4/7
Left: 0.000+/-0.000 χ²/NDF: 977131.2/17
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:2854448.7/23
Out: 0.000+/-0.000 χ²/NDF:1825157.5/28
All: 0.000+/-0.000 χ²/NDF: 4798221.6/52



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.014+/-0.008 χ^2/NDF:6.7/9

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.019+/-0.008 χ^2/NDF:4.9/7

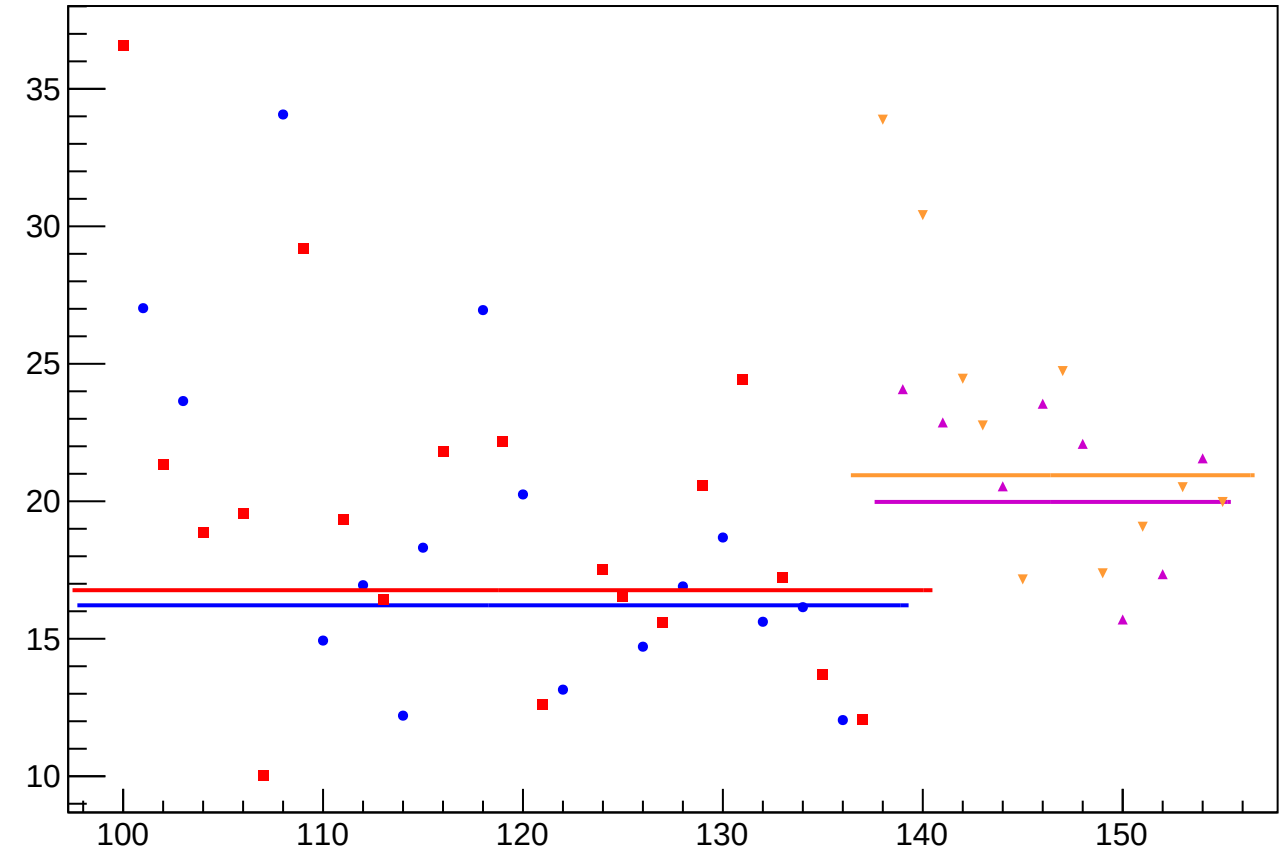
Left: 0.002+/-0.006 χ^2/NDF: 20.9/17

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:28.3/23

Out: -0.004+/-0.005 χ^2/NDF:23.5/28

All: 0.003+/-0.004 χ^2/NDF: 56.0/52



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.947+/-0.005 χ^2/NDF:603261.0/9

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.977+/-0.006 χ^2/NDF:302318.9/7

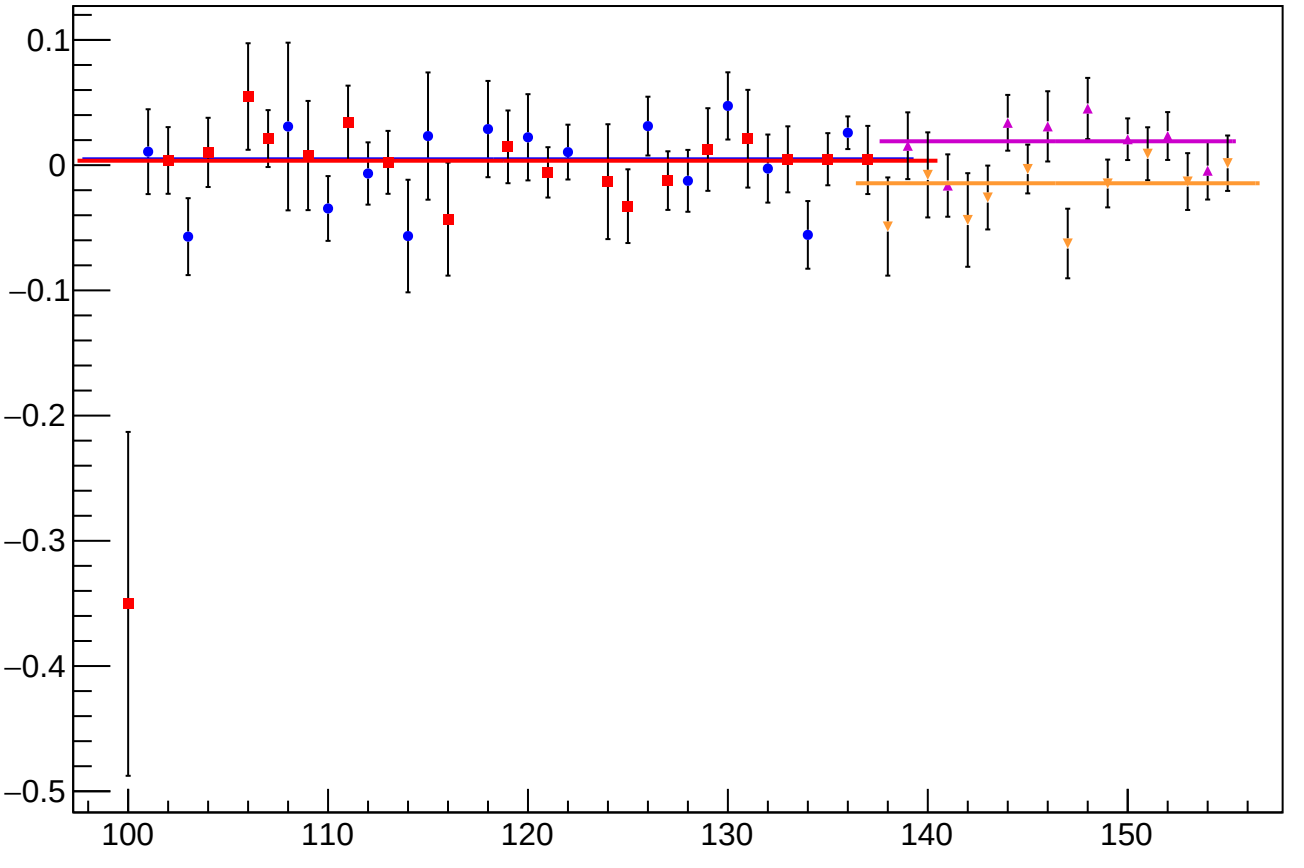
Left: 20.469+/-0.004 χ^2/NDF: 921065.0/17

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.763+/-0.004 χ^2/NDF:1516112.3/23

Out: 18.533+/-0.004 χ^2/NDF:1806483.2/28

All: 18.148+/-0.003 χ^2/NDF: 3345949.2/52



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.014+/-0.008 χ^2/NDF:6.7/9

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.019+/-0.008 χ^2/NDF:4.9/7

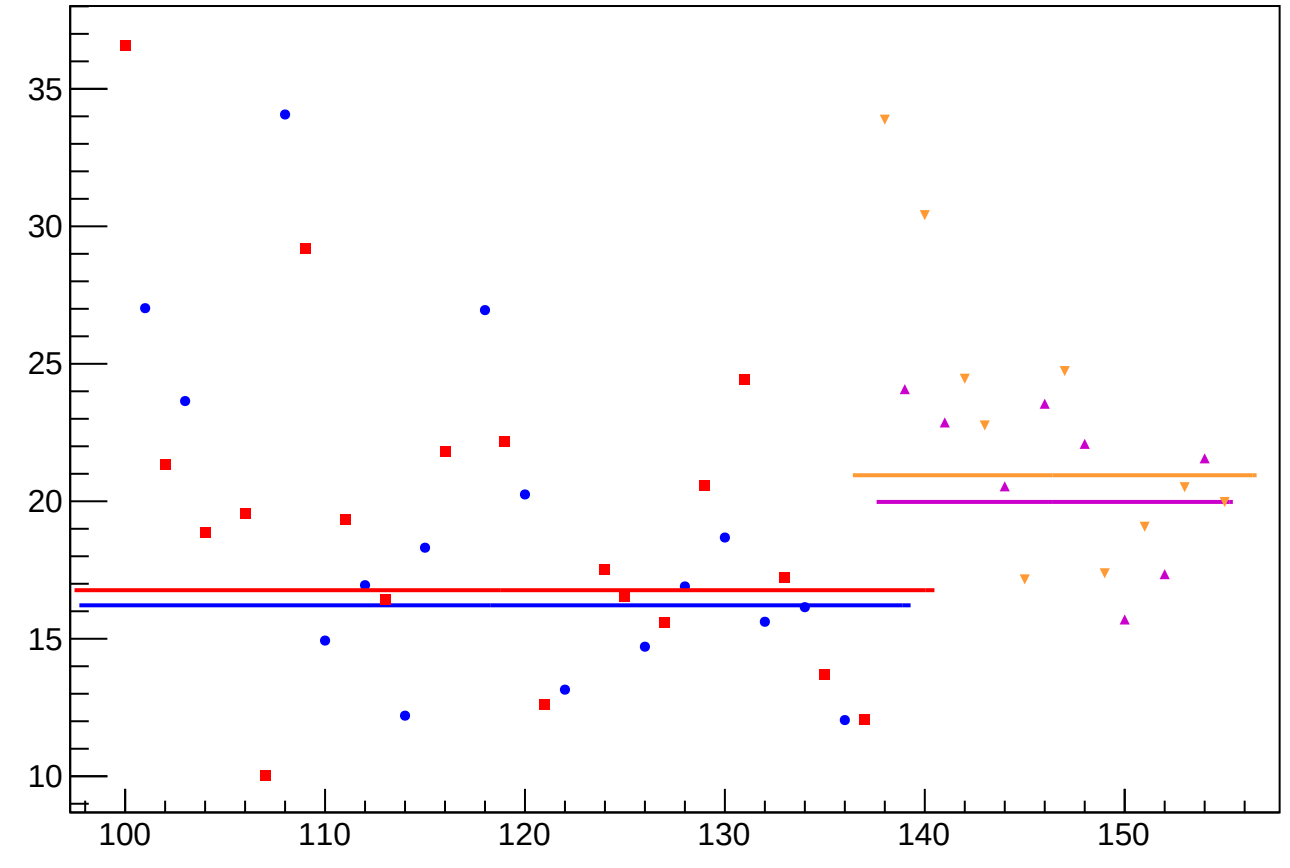
Left: 0.002+/-0.006 χ^2/NDF: 20.9/17

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:28.3/23

Out: -0.004+/-0.005 χ^2/NDF:23.5/28

All: 0.003+/-0.004 χ^2/NDF: 56.0/52



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.947+/-0.005 χ^2/NDF:603261.0/9

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.977+/-0.006 χ^2/NDF:302318.9/7

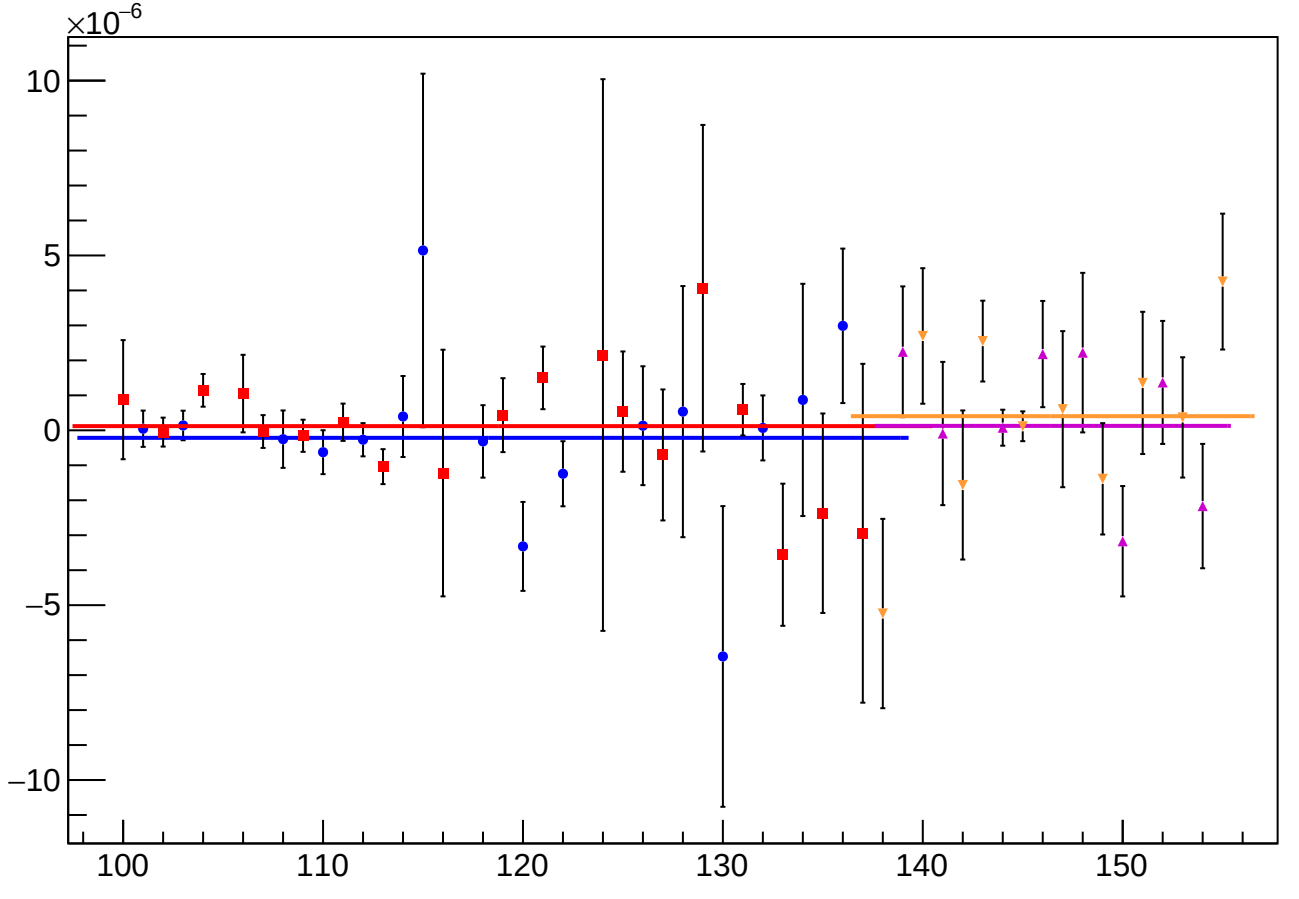
Left: 20.469+/-0.004 χ^2/NDF: 921065.0/17

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.763+/-0.004 χ^2/NDF:1516112.3/23

Out: 18.533+/-0.004 χ^2/NDF:1806483.2/28

All: 18.148+/-0.003 χ^2/NDF: 3345949.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/7

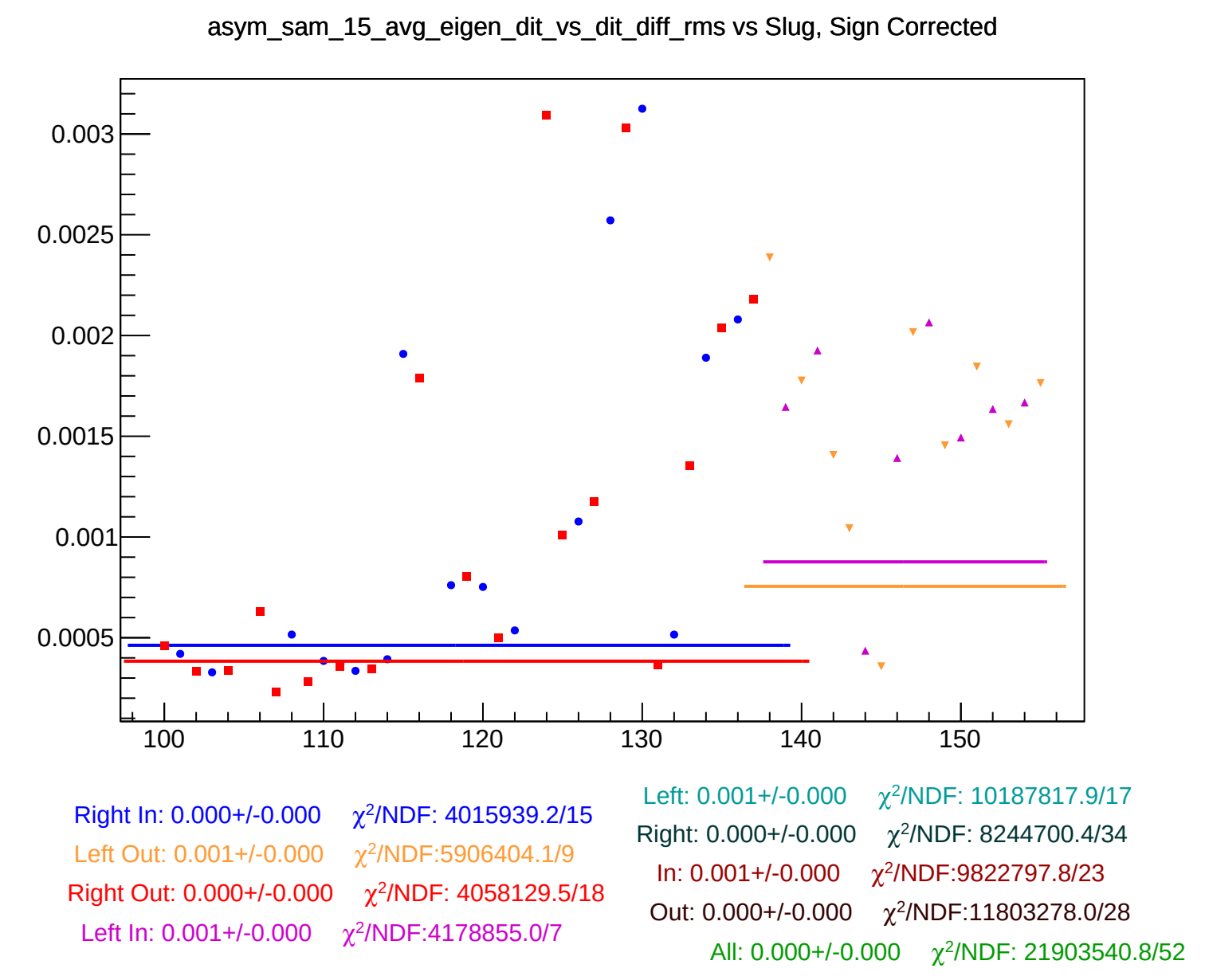
Left: 0.000+/-0.000 χ^2/NDF: 26.7/17

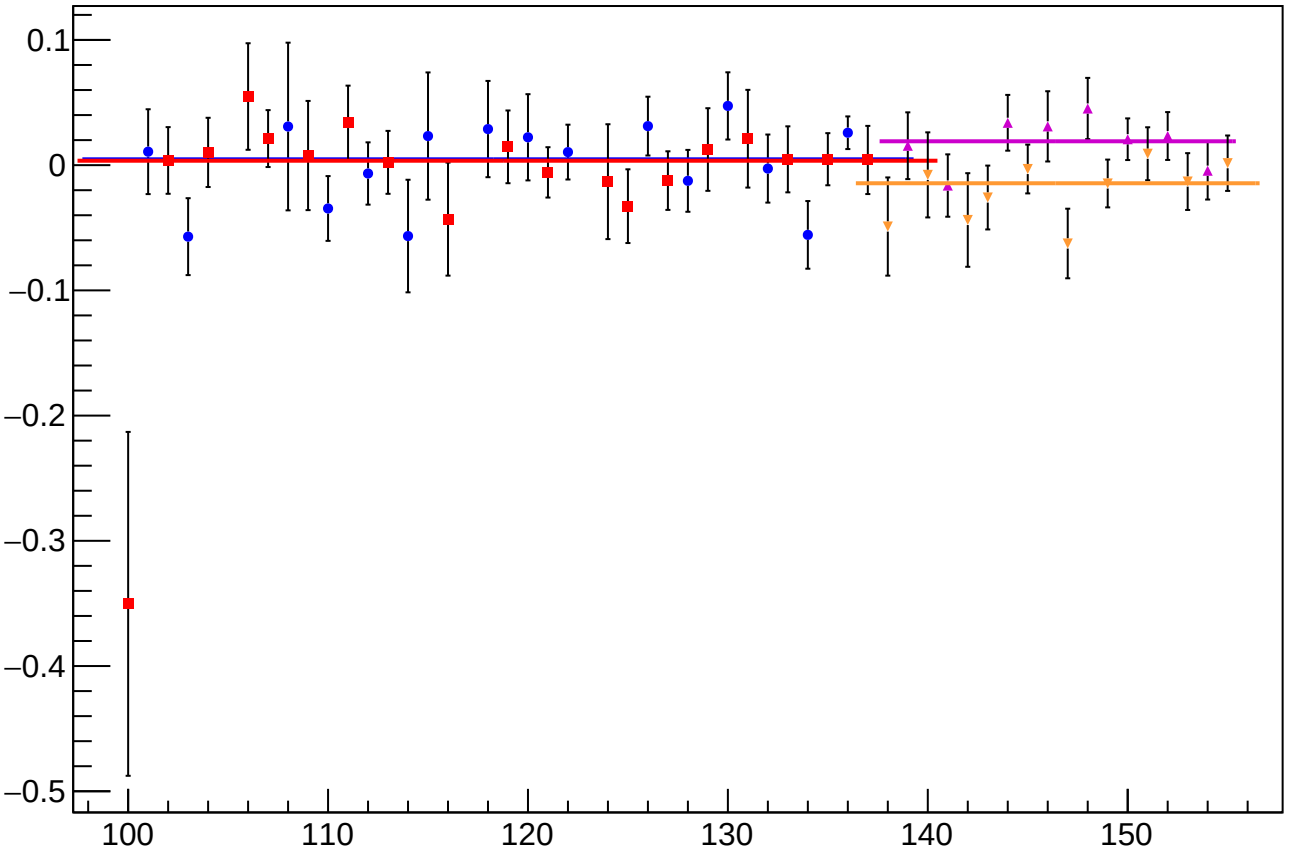
Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:25.5/23

Out: 0.000+/-0.000 χ^2/NDF:36.7/28

All: 0.000+/-0.000 χ^2/NDF: 64.0/52


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:5906404.1/9
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:4178855.0/7
Left: 0.001+/-0.000 χ²/NDF: 10187817.9/17
Right: 0.000+/-0.000 χ²/NDF: 8244700.4/34
In: 0.001+/-0.000 χ²/NDF:9822797.8/23
Out: 0.000+/-0.000 χ²/NDF:11803278.0/28
All: 0.000+/-0.000 χ²/NDF: 21903540.8/52



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.014+/-0.008 χ^2/NDF:6.7/9

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.019+/-0.008 χ^2/NDF:4.9/7

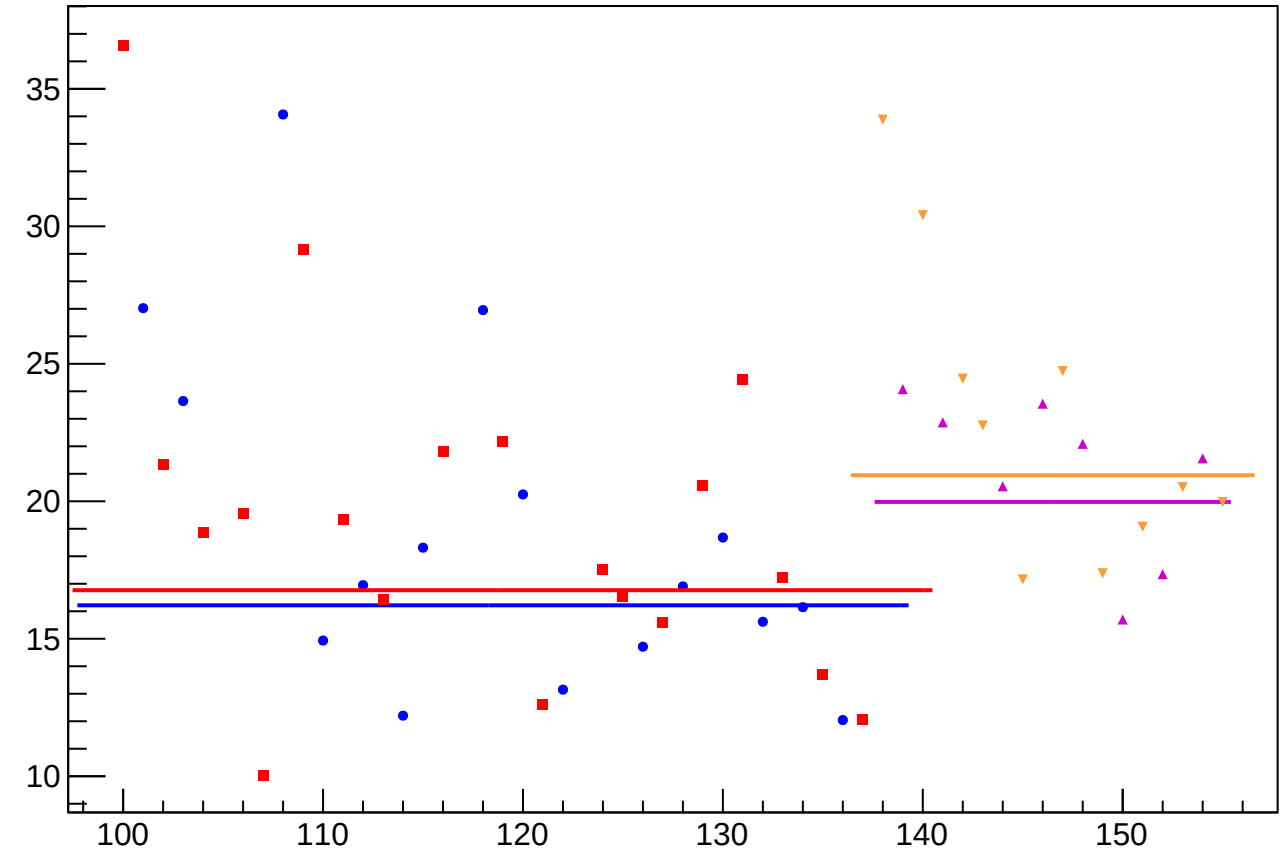
Left: 0.002+/-0.006 χ^2/NDF: 20.9/17

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:28.3/23

Out: -0.004+/-0.005 χ^2/NDF:23.5/28

All: 0.003+/-0.004 χ^2/NDF: 56.0/52



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.948+/-0.005 χ^2/NDF:603303.1/9

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.977+/-0.006 χ^2/NDF:302402.4/7

Left: 20.469+/-0.004 χ^2/NDF: 921193.1/17

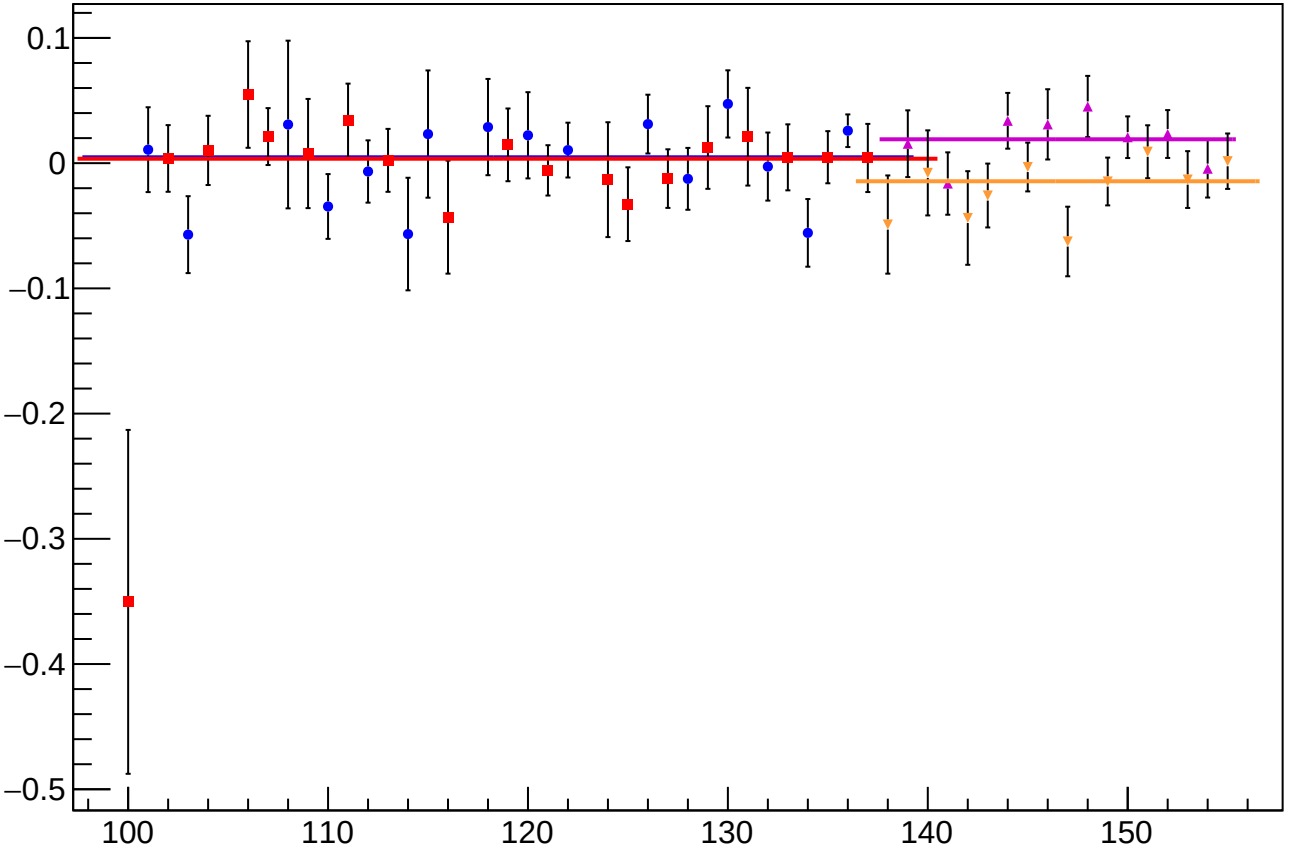
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.763+/-0.004 χ^2/NDF:1516205.6/23

Out: 18.533+/-0.004 χ^2/NDF:1806584.7/28

All: 18.148+/-0.003 χ^2/NDF: 3346144.8/52

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.014+/-0.008 χ^2/NDF:6.7/9

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.019+/-0.008 χ^2/NDF:4.9/7

Left: 0.002+/-0.006 χ^2/NDF: 20.9/17

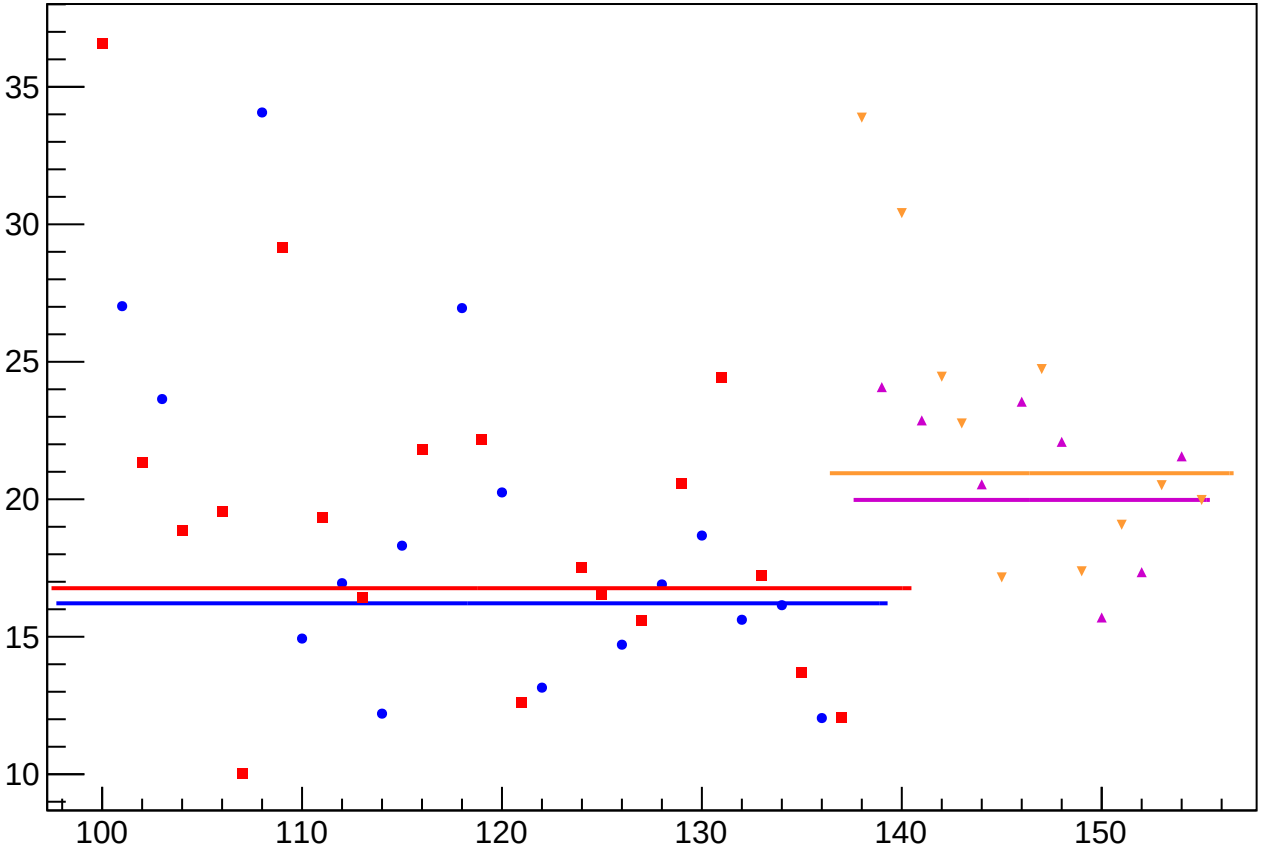
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:28.3/23

Out: -0.004+/-0.005 χ^2/NDF:23.5/28

All: 0.003+/-0.004 χ^2/NDF: 56.0/52

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: 20.948+/-0.005 χ^2/NDF:603303.1/9

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.977+/-0.006 χ^2/NDF:302402.4/7

Left: 20.469+/-0.004 χ^2/NDF: 921193.1/17

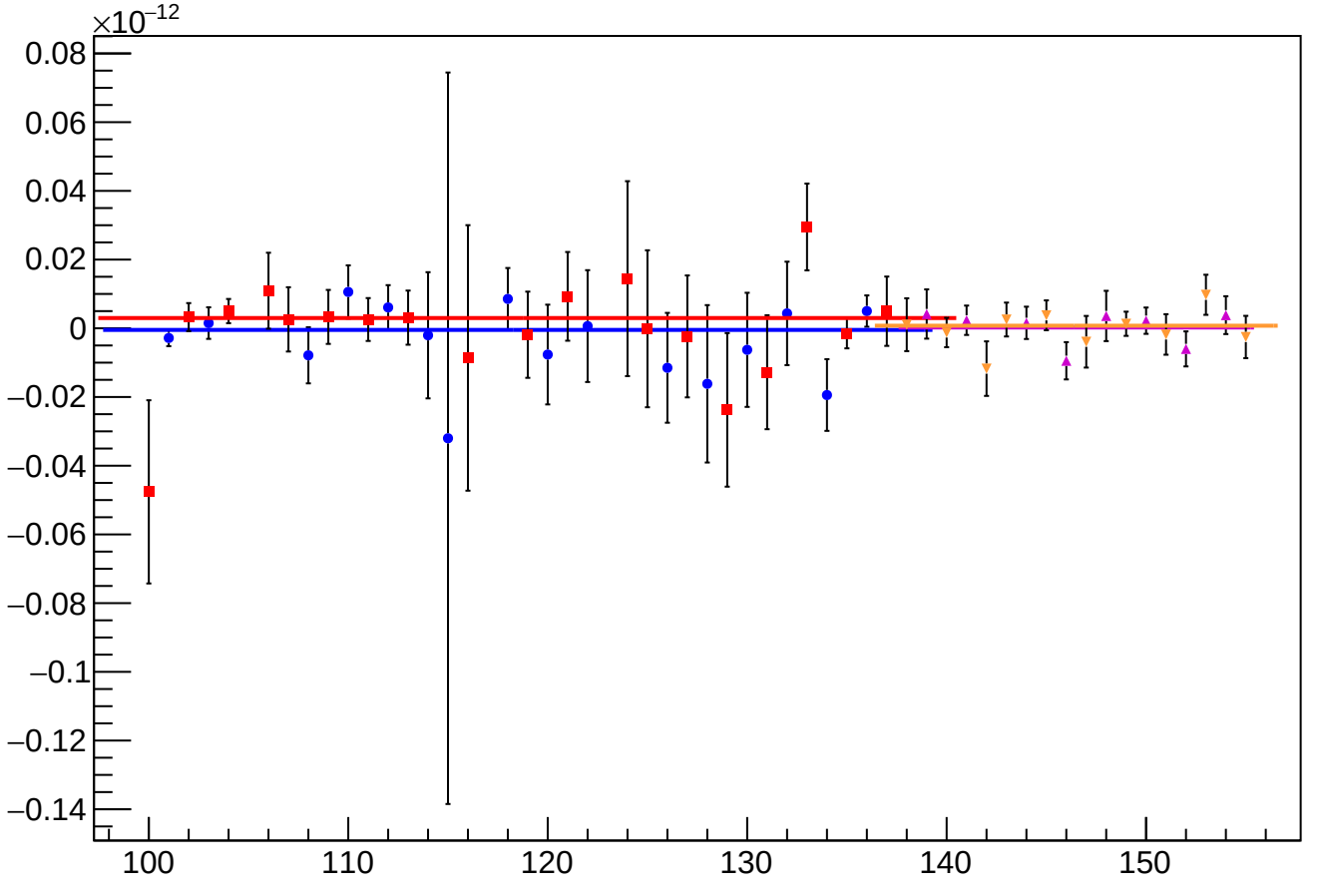
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.763+/-0.004 χ^2/NDF:1516205.6/23

Out: 18.533+/-0.004 χ^2/NDF:1806584.7/28

All: 18.148+/-0.003 χ^2/NDF: 3346144.8/52

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/7

Left: 0.000+/-0.000 χ^2/NDF: 12.8/17

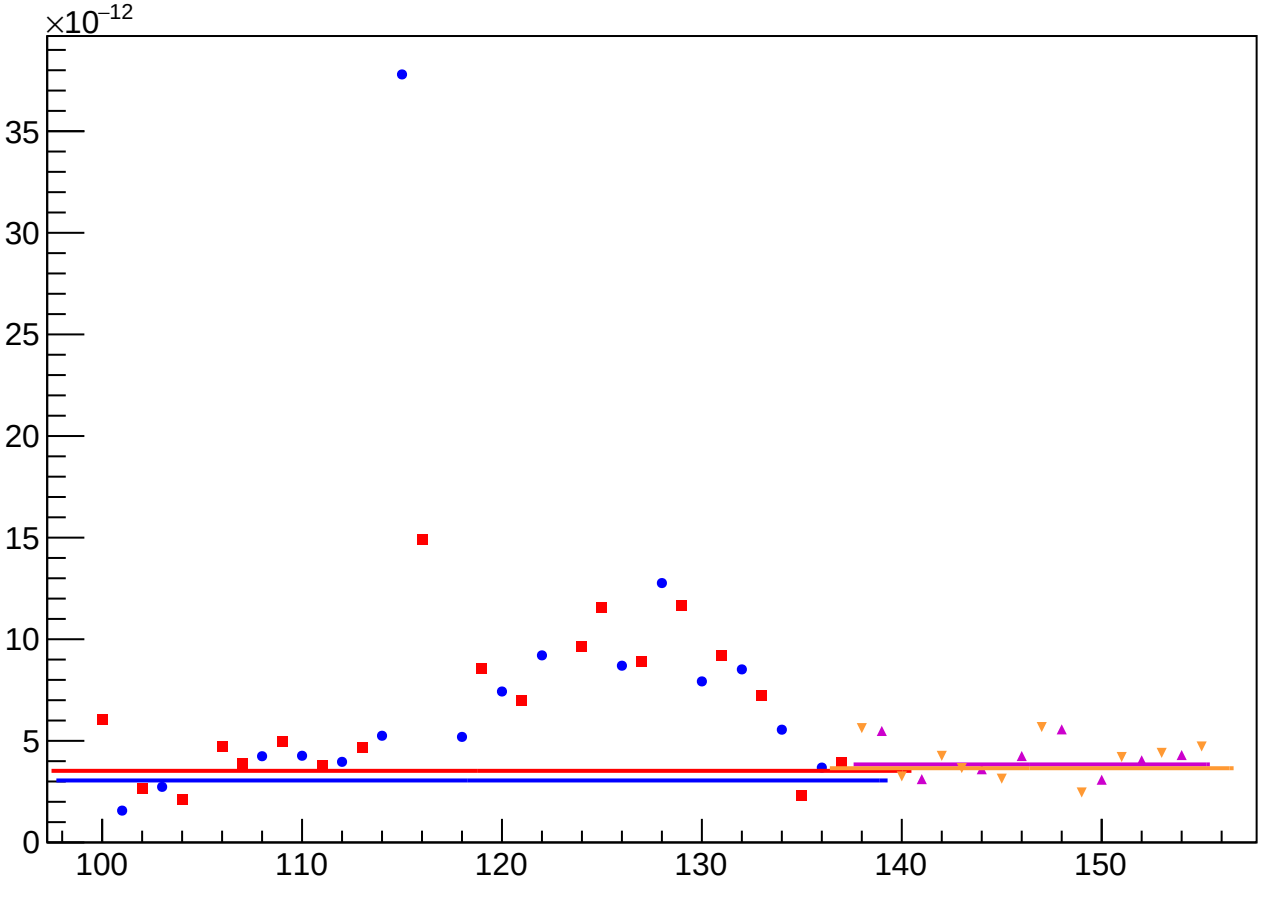
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: -0.000+/-0.000 χ^2/NDF:18.6/23

Out: 0.000+/-0.000 χ^2/NDF:20.4/28

All: 0.000+/-0.000 χ^2/NDF: 40.3/52

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:675437.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:385170.7/7

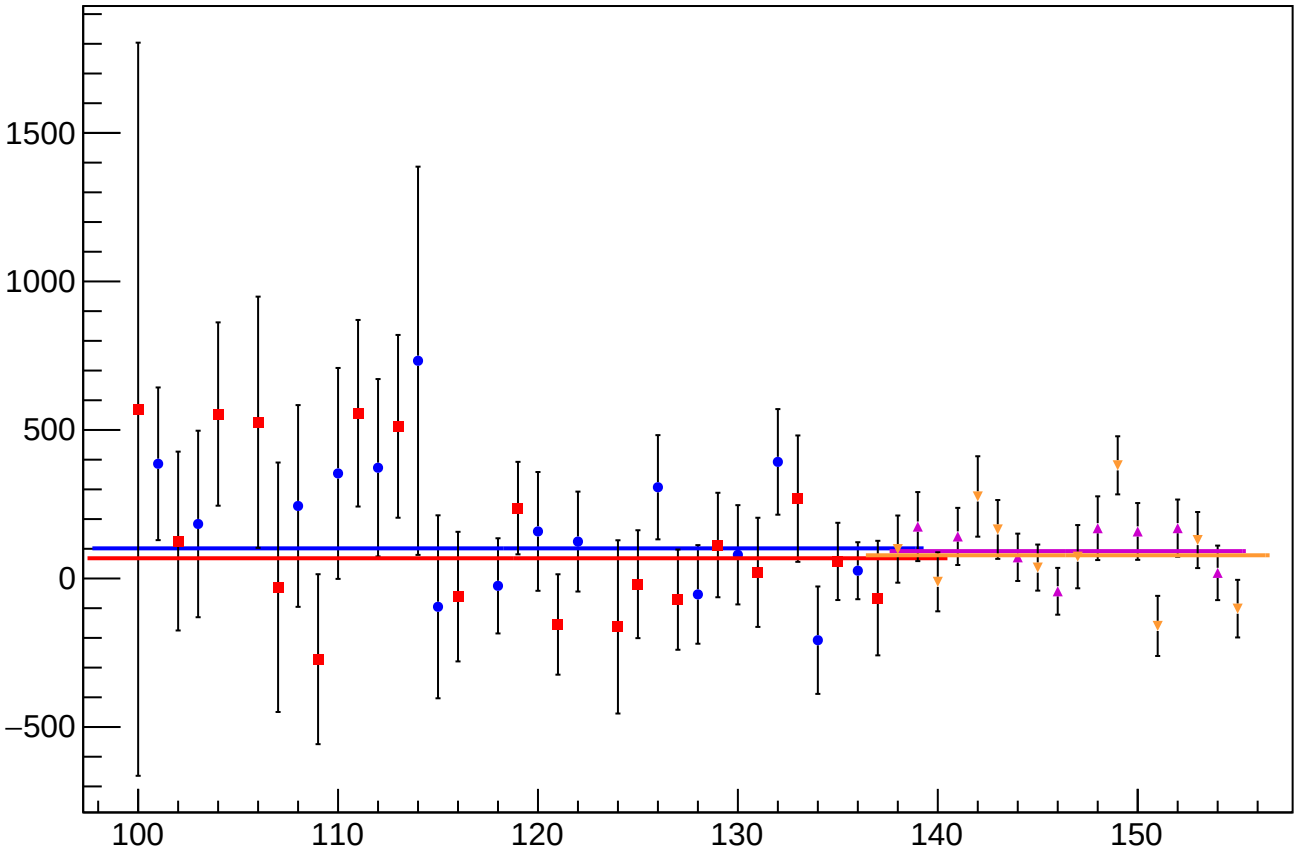
Left: 0.000+/-0.000 χ^2/NDF: 1072324.5/17

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:3533908.8/23

Out: 0.000+/-0.000 χ^2/NDF:3240080.9/28

All: 0.000+/-0.000 χ^2/NDF: 6797042.3/52



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 78.147+/-31.442 χ^2/NDF:22.9/9

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 92.165+/-32.904 χ^2/NDF:6.1/7

Left: 84.838+/-22.732 χ^2/NDF: 29.0/17

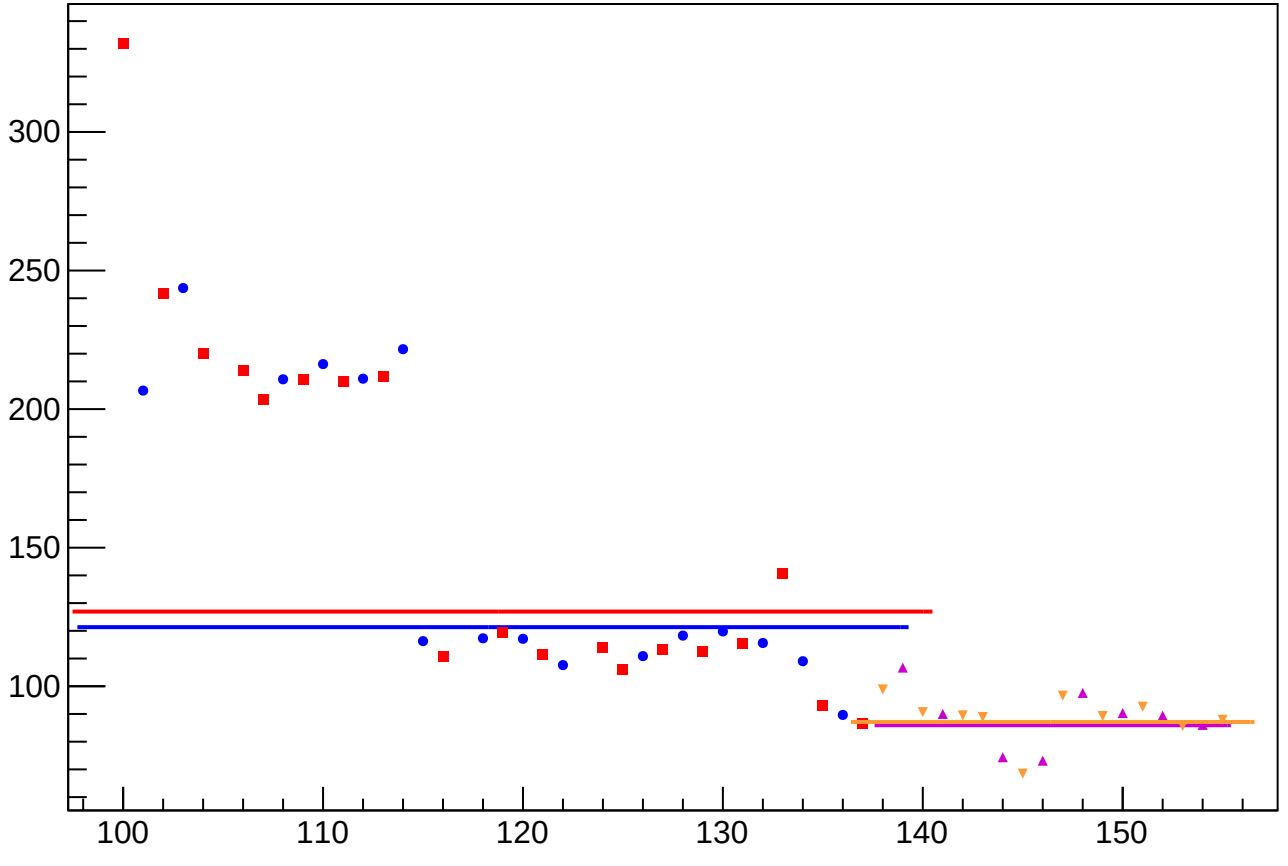
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 95.168+/-27.072 χ^2/NDF:19.4/23

Out: 75.247+/-26.514 χ^2/NDF:39.0/28

All: 85.000+/-18.942 χ^2/NDF: 58.8/52

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.113+/-0.022 χ^2/NDF:164333.2/9

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 85.926+/-0.023 χ^2/NDF:192848.2/7

Left: 86.547+/-0.016 χ^2/NDF: 358541.1/17

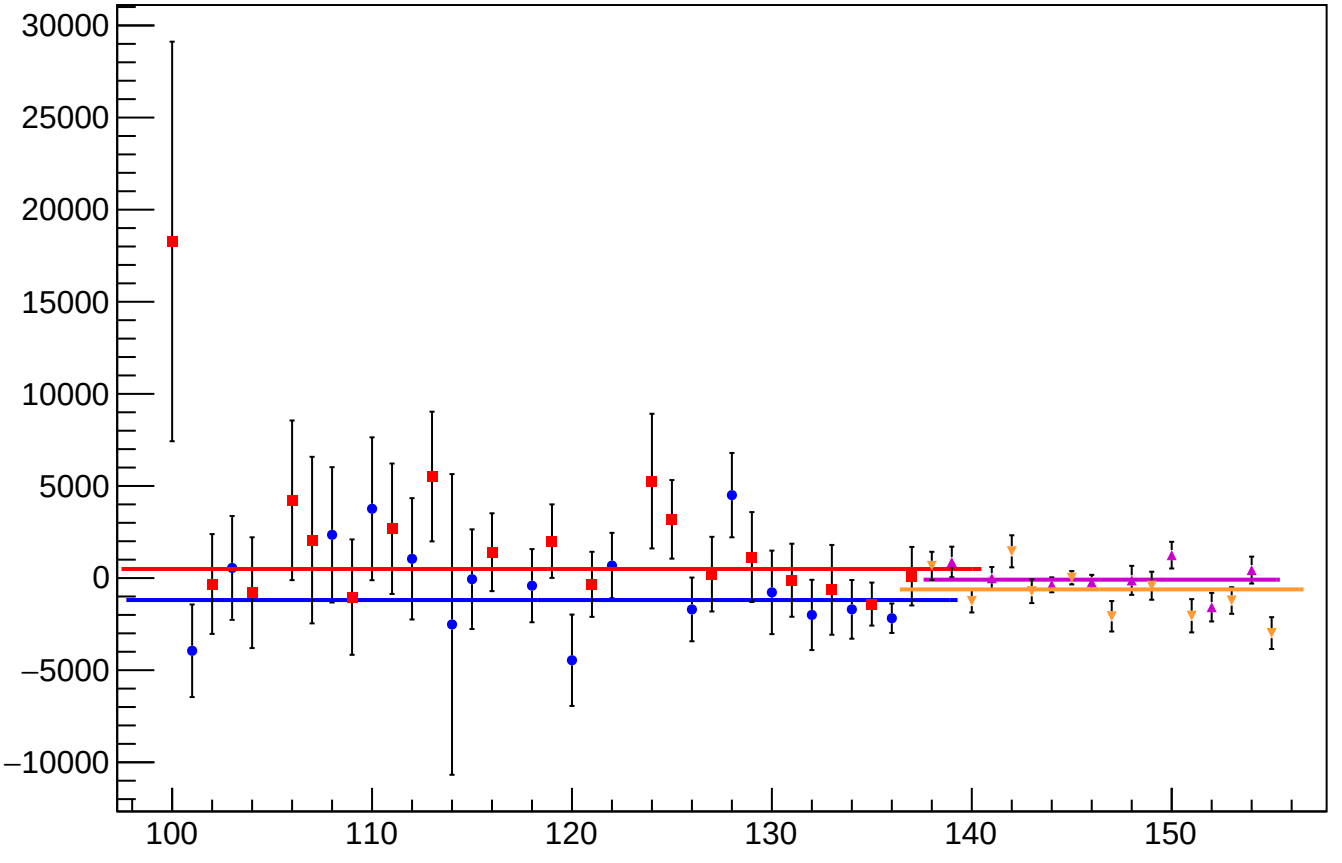
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 97.362+/-0.019 χ^2/NDF:2227313.7/23

Out: 98.621+/-0.019 χ^2/NDF:2563264.5/28

All: 98.005+/-0.013 χ^2/NDF: 4792784.0/52

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: -615.083+/-207.114 χ^2/NDF:26.5/9

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -86.004+/-206.838 χ^2/NDF:9.5/7

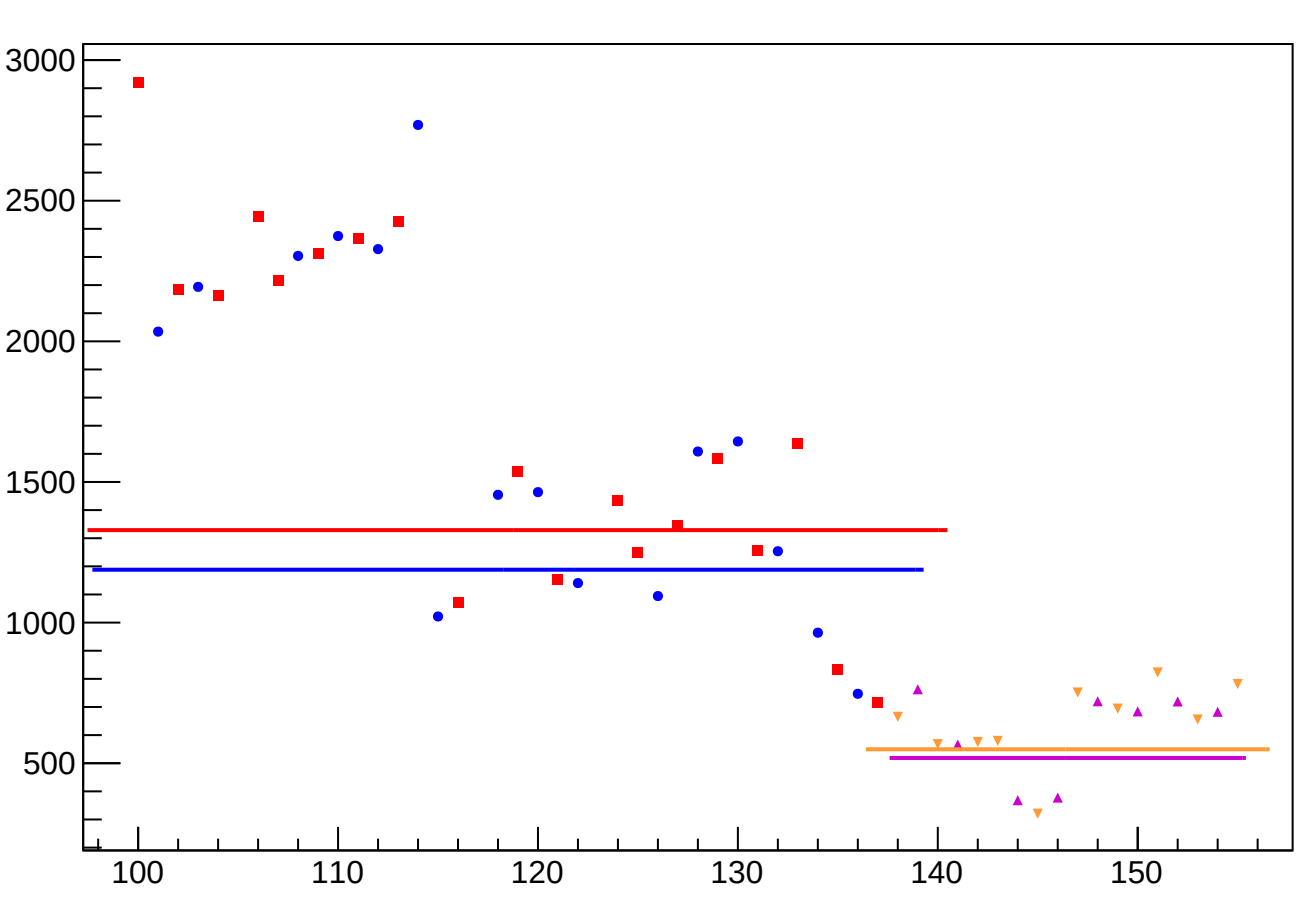
Left: -350.191+/-146.354 χ^2/NDF: 39.3/17

Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -259.903+/-189.885 χ^2/NDF:30.0/23

Out: -464.025+/-192.502 χ^2/NDF:44.3/28

All: -360.567+/-135.185 χ^2/NDF: 74.8/52



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 549.521+/-0.146 χ^2/NDF:1415973.1/9

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 518.750+/-0.146 χ^2/NDF:1171320.3/7

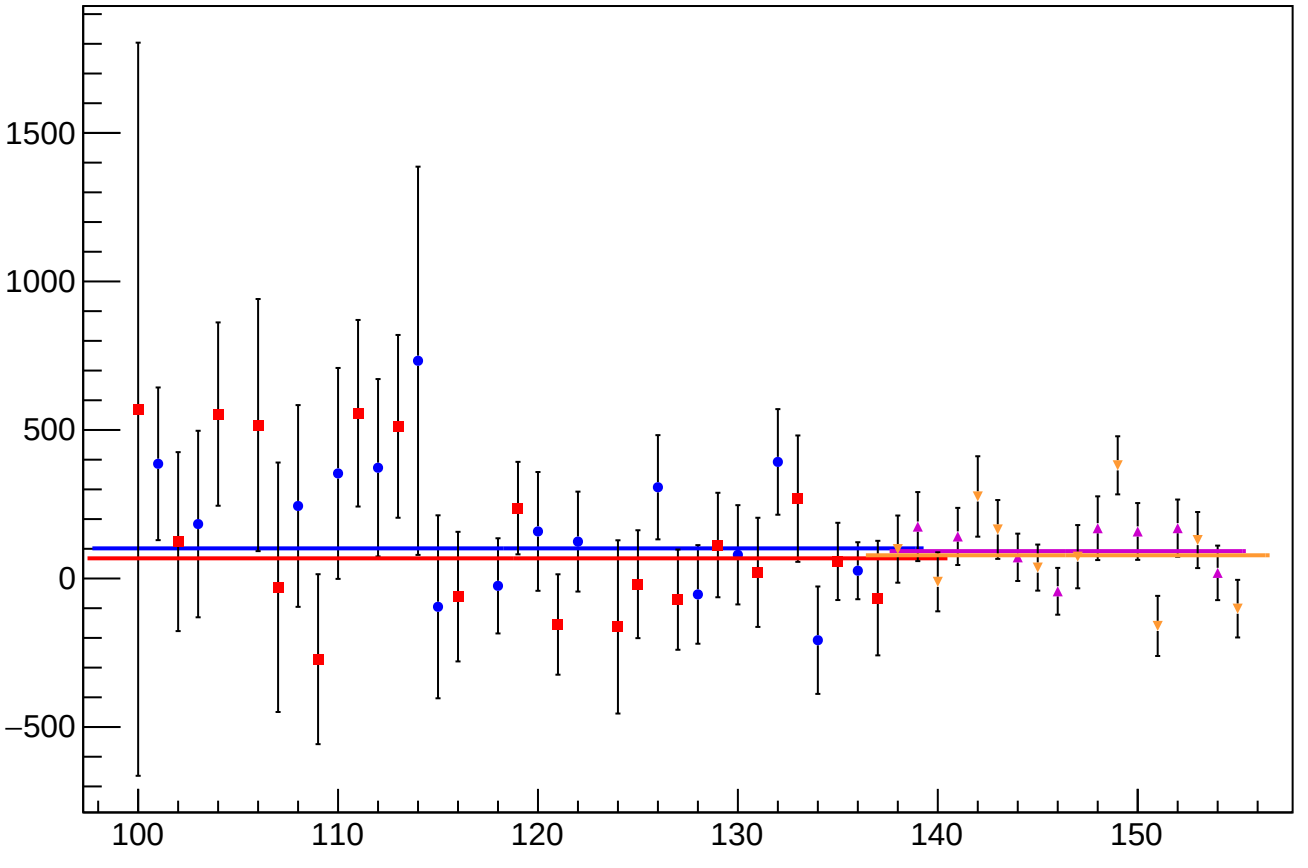
Left: 534.115+/-0.103 χ^2/NDF: 2609396.5/17

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 623.973+/-0.134 χ^2/NDF:6508357.5/23

Out: 655.602+/-0.136 χ^2/NDF:7228079.9/28

All: 639.571+/-0.096 χ^2/NDF: 13763803.1/52



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 78.152+/-31.442 χ^2/NDF:22.9/9

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 92.164+/-32.904 χ^2/NDF:6.1/7

Left: 84.840+/-22.732 χ^2/NDF: 29.0/17

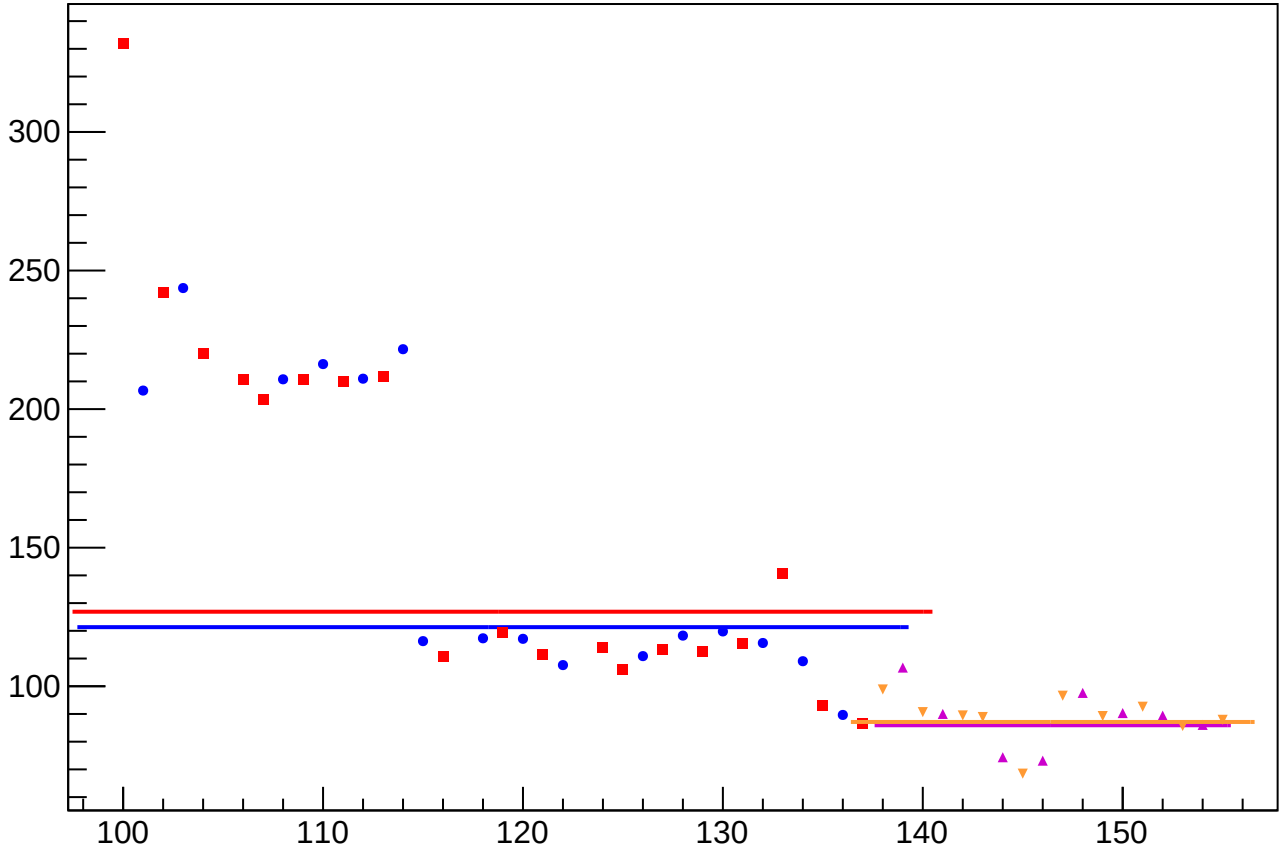
Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 95.163+/-27.072 χ^2/NDF:19.4/23

Out: 75.185+/-26.514 χ^2/NDF:39.0/28

All: 84.966+/-18.943 χ^2/NDF: 58.7/52

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.113+/-0.022 χ^2/NDF:164333.2/9

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 85.926+/-0.023 χ^2/NDF:192848.2/7

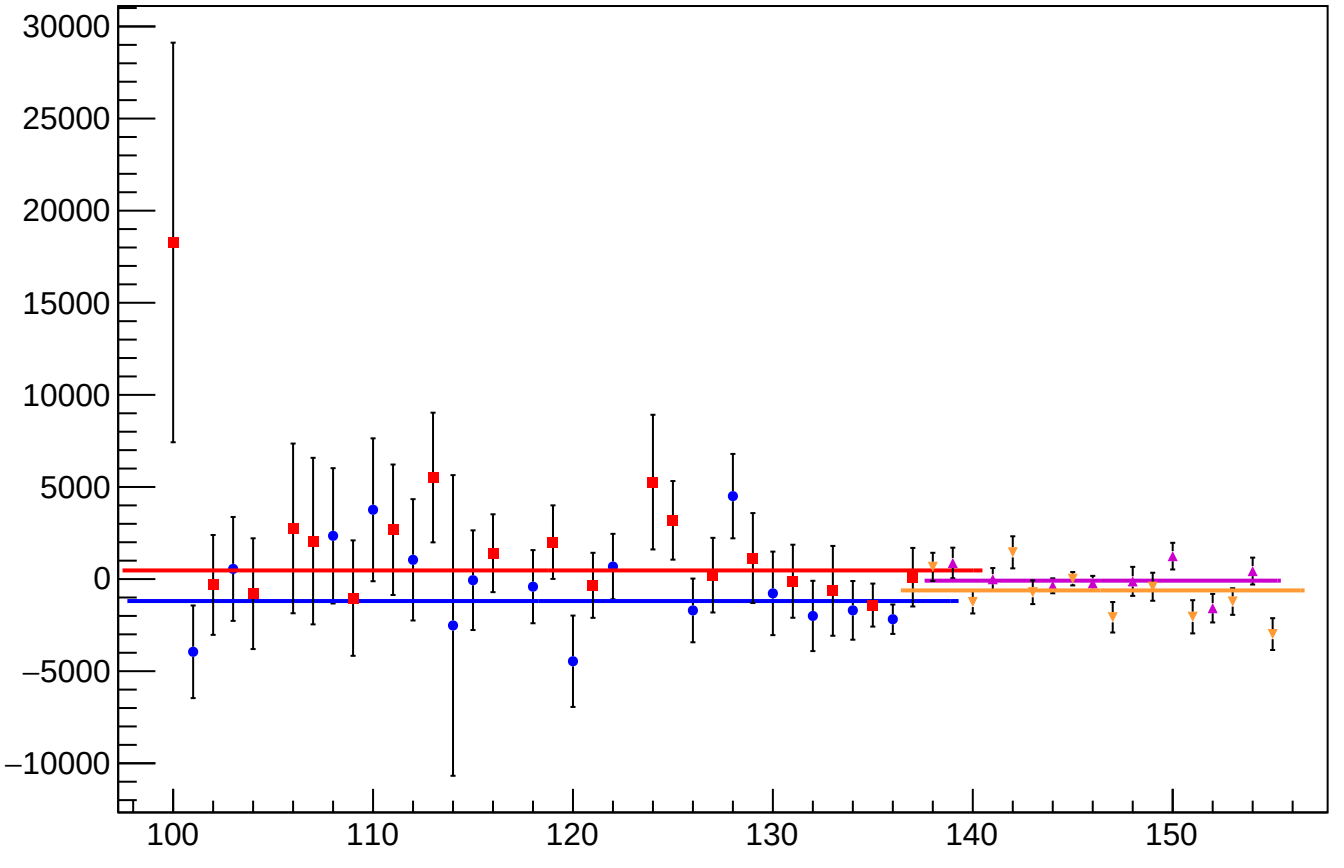
Left: 86.547+/-0.016 χ^2/NDF: 358541.1/17

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 97.362+/-0.019 χ^2/NDF:2227316.0/23

Out: 98.605+/-0.019 χ^2/NDF:2554741.6/28

All: 97.997+/-0.013 χ^2/NDF: 4784209.4/52



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -615.075+/-207.114 χ^2/NDF:26.5/9

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -86.002+/-206.838 χ^2/NDF:9.5/7

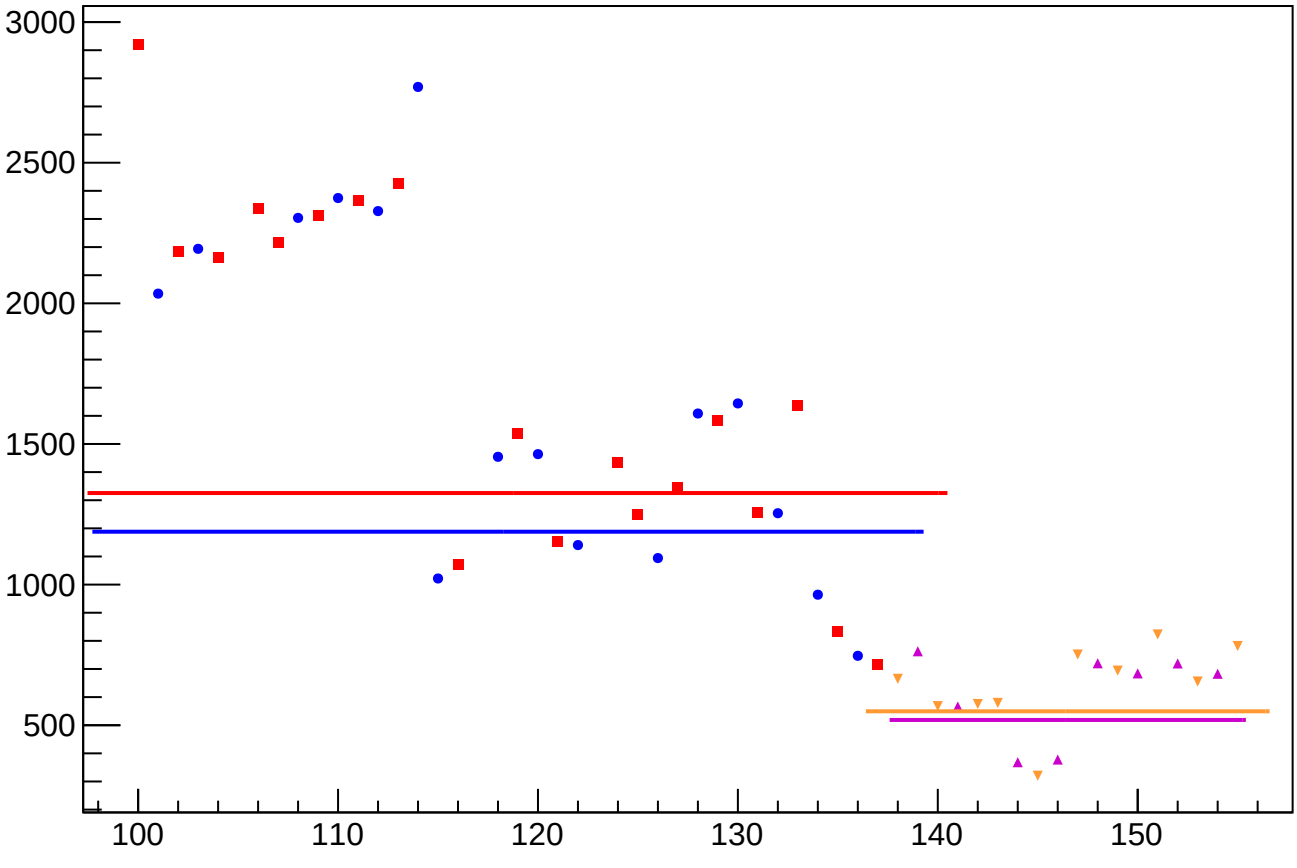
Left: -350.187+/-146.354 χ^2/NDF: 39.3/17

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -259.897+/-189.885 χ^2/NDF:30.0/23

Out: -467.625+/-192.524 χ^2/NDF:43.6/28

All: -362.328+/-135.192 χ^2/NDF: 74.1/52



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 549.520+/-0.146 χ^2/NDF:1415981.2/9

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 518.750+/-0.146 χ^2/NDF:1171321.2/7

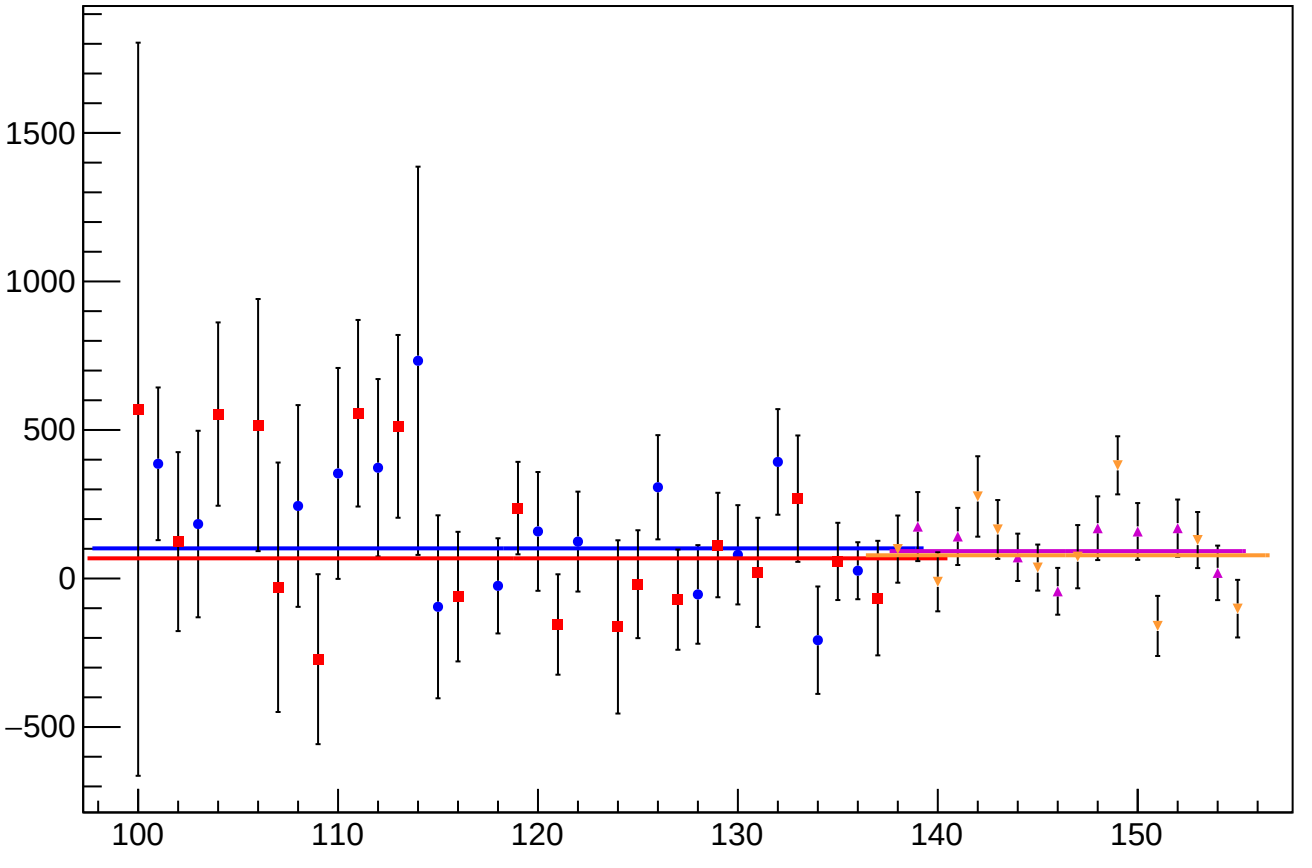
Left: 534.115+/-0.103 χ^2/NDF: 2609404.9/17

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 623.973+/-0.134 χ^2/NDF:6508380.9/23

Out: 655.002+/-0.136 χ^2/NDF:7153562.2/28

All: 639.273+/-0.096 χ^2/NDF: 13688278.1/52



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 78.152+/-31.442 χ^2/NDF:22.9/9

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 92.164+/-32.904 χ^2/NDF:6.1/7

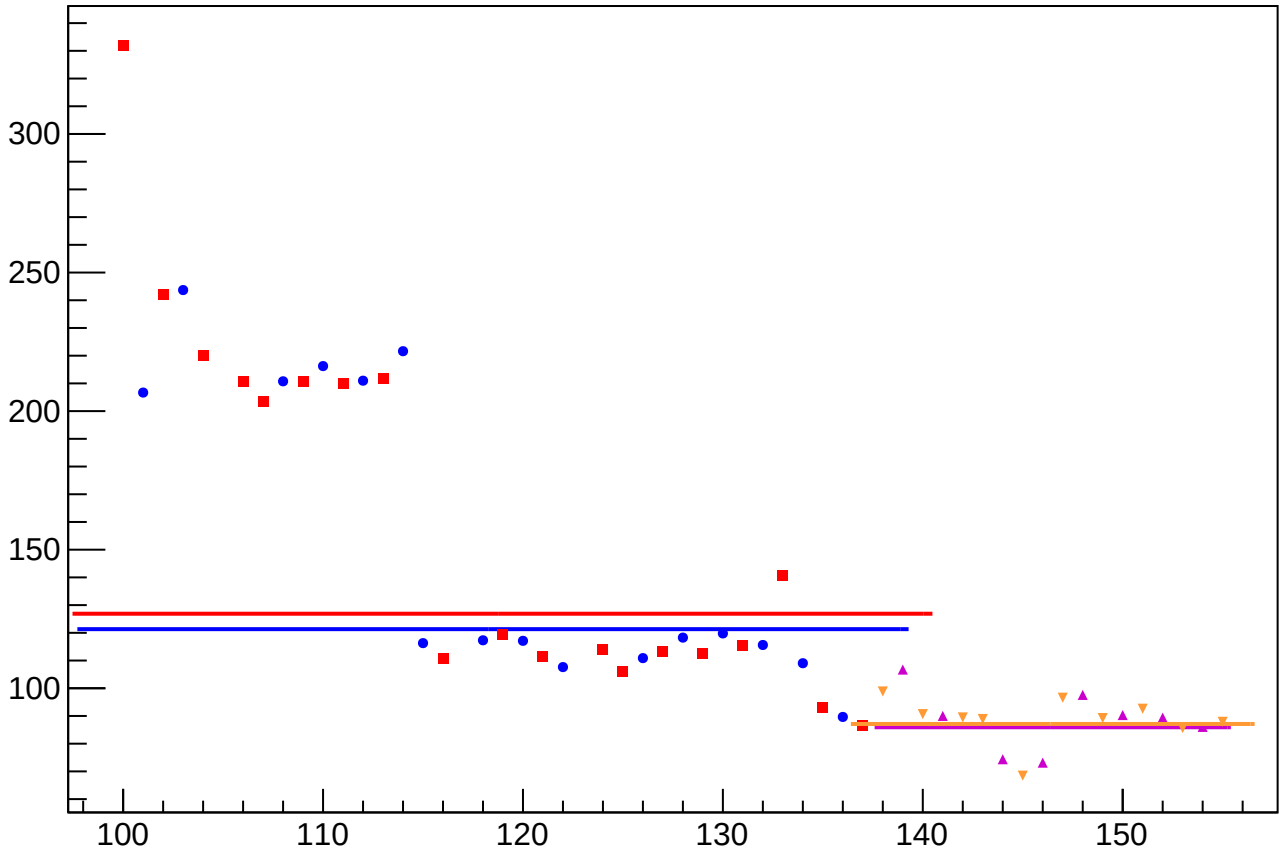
Left: 84.840+/-22.732 χ^2/NDF: 29.0/17

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 95.163+/-27.072 χ^2/NDF:19.4/23

Out: 75.185+/-26.514 χ^2/NDF:39.0/28

All: 84.966+/-18.943 χ^2/NDF: 58.7/52



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.113+/-0.022 χ^2/NDF:164333.2/9

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 85.926+/-0.023 χ^2/NDF:192848.2/7

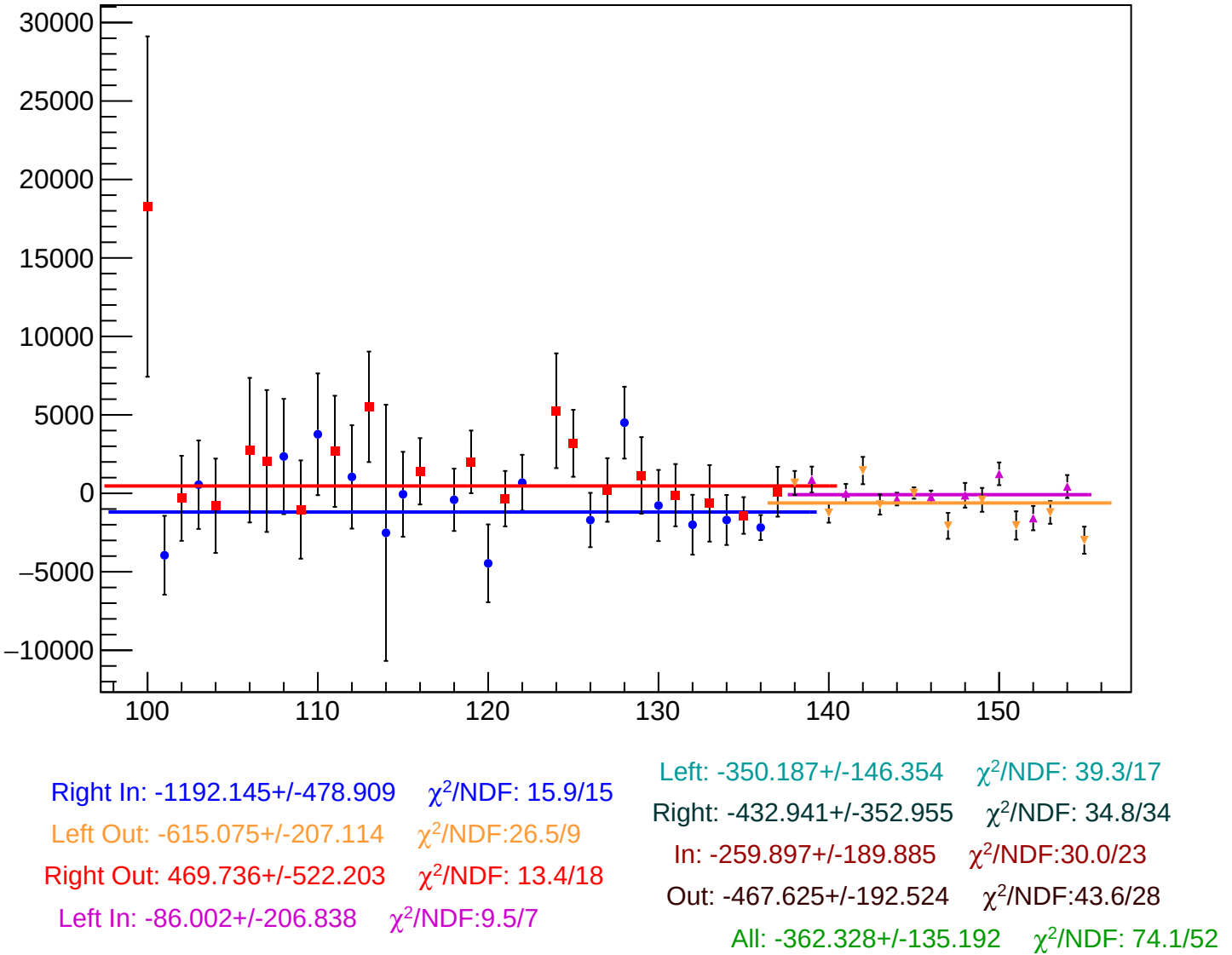
Left: 86.547+/-0.016 χ^2/NDF: 358541.1/17

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

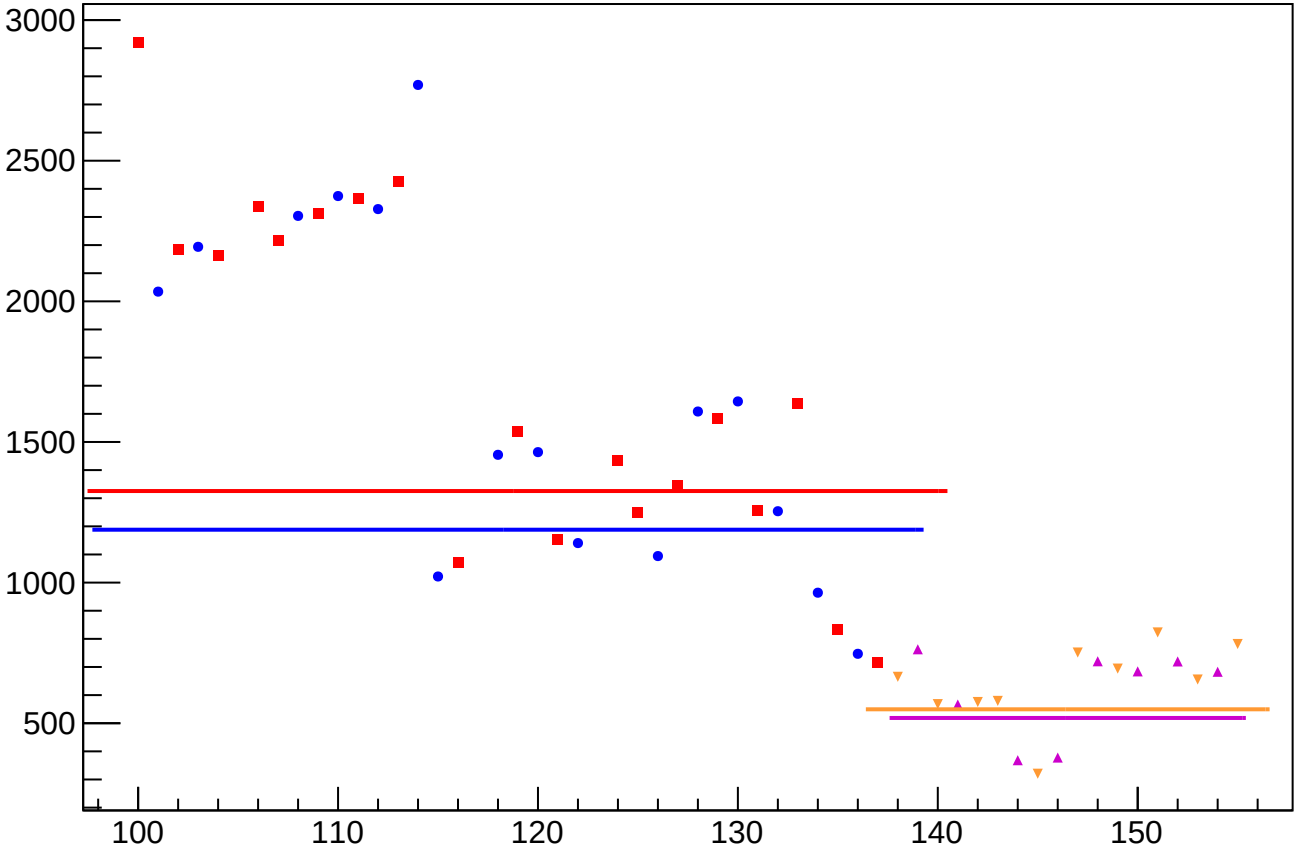
In: 97.362+/-0.019 χ^2/NDF:2227316.0/23

Out: 98.605+/-0.019 χ^2/NDF:2554741.6/28

All: 97.997+/-0.013 χ^2/NDF: 4784209.4/52


asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: -615.075+/-207.114 χ²/NDF:26.5/9
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: -86.002+/-206.838 χ²/NDF:9.5/7
Left: -350.187+/-146.354 χ²/NDF: 39.3/17
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -259.897+/-189.885 χ²/NDF:30.0/23
Out: -467.625+/-192.524 χ²/NDF:43.6/28
All: -362.328+/-135.192 χ²/NDF: 74.1/52

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: 549.520+/-0.146 χ^2/NDF:1415981.2/9

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 518.750+/-0.146 χ^2/NDF:1171321.2/7

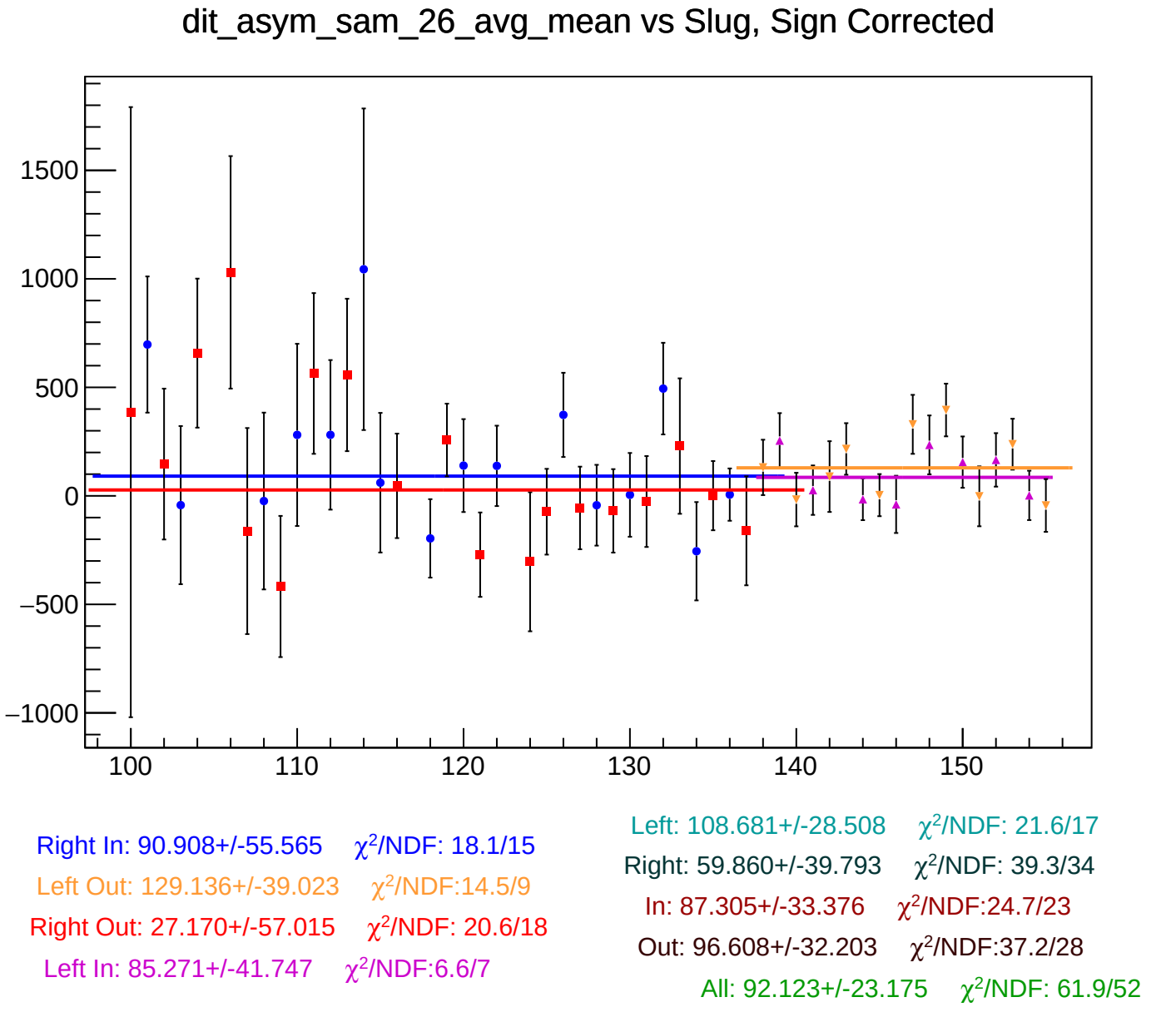
Left: 534.115+/-0.103 χ^2/NDF: 2609404.9/17

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

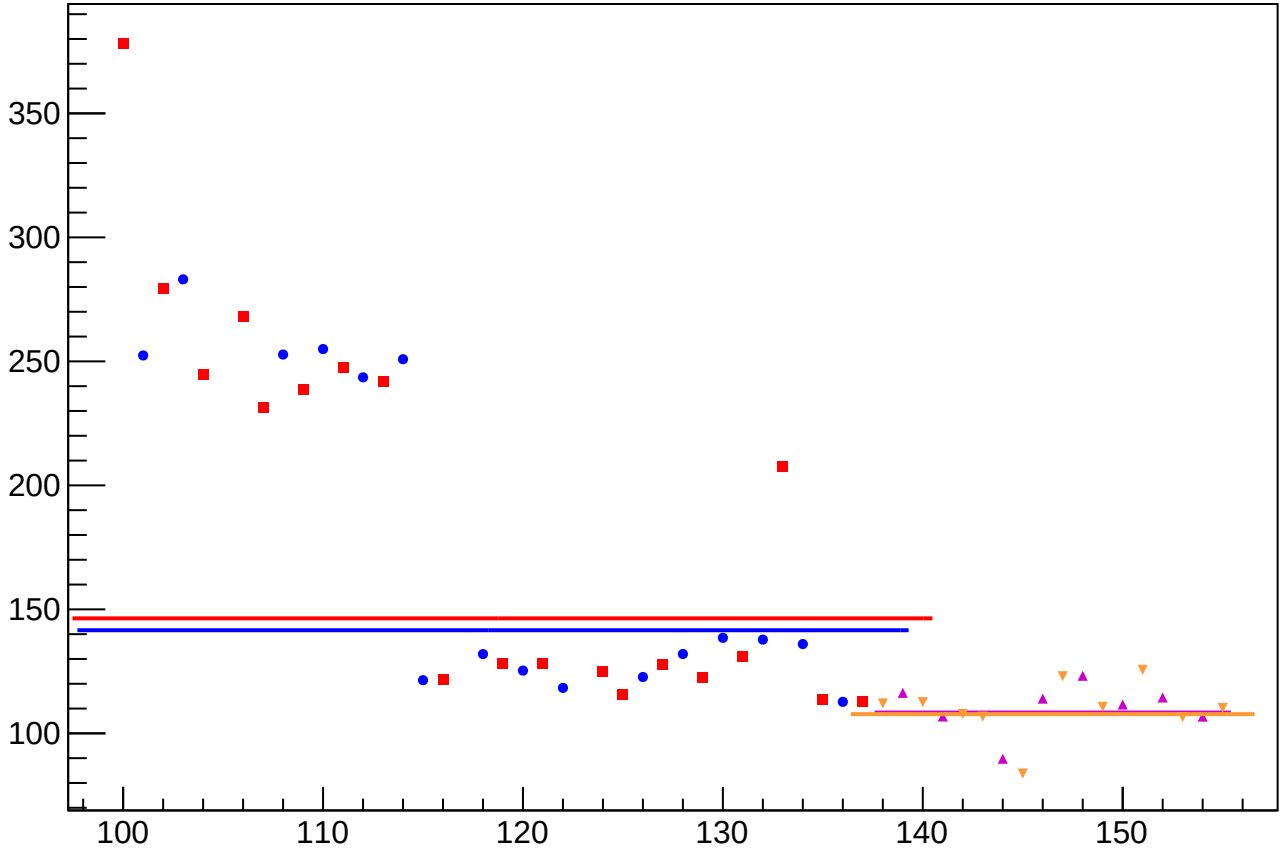
In: 623.973+/-0.134 χ^2/NDF:6508380.9/23

Out: 655.002+/-0.136 χ^2/NDF:7153562.2/28

All: 639.273+/-0.096 χ^2/NDF: 13688278.1/52


dit_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: 90.908+/-55.565 χ²/NDF: 18.1/15
Left Out: 129.136+/-39.023 χ²/NDF:14.5/9
Right Out: 27.170+/-57.015 χ²/NDF: 20.6/18
Left In: 85.271+/-41.747 χ²/NDF:6.6/7
Left: 108.681+/-28.508 χ²/NDF: 21.6/17
Right: 59.860+/-39.793 χ²/NDF: 39.3/34
In: 87.305+/-33.376 χ²/NDF:24.7/23
Out: 96.608+/-32.203 χ²/NDF:37.2/28
All: 92.123+/-23.175 χ²/NDF: 61.9/52

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 107.758+/-0.028 χ^2/NDF:188742.1/9

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 108.395+/-0.030 χ^2/NDF:117513.7/7

Left: 108.055+/-0.020 χ^2/NDF: 306504.4/17

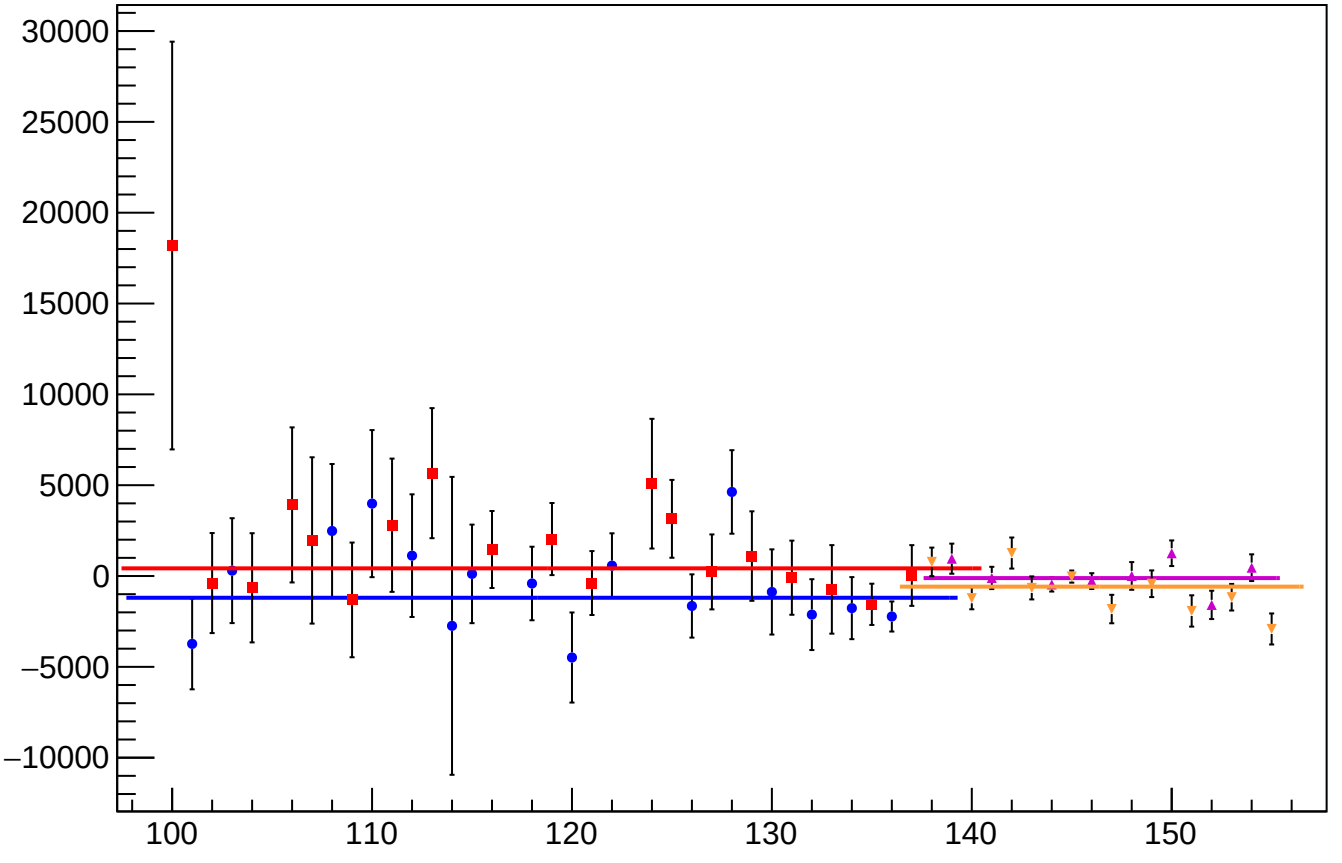
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 120.371+/-0.024 χ^2/NDF:1836027.6/23

Out: 120.075+/-0.023 χ^2/NDF:2326986.3/28

All: 120.218+/-0.016 χ^2/NDF: 4163095.1/52

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -584.301+/-199.199 χ^2/NDF:24.6/9

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: -113.498+/-207.770 χ^2/NDF:10.6/7

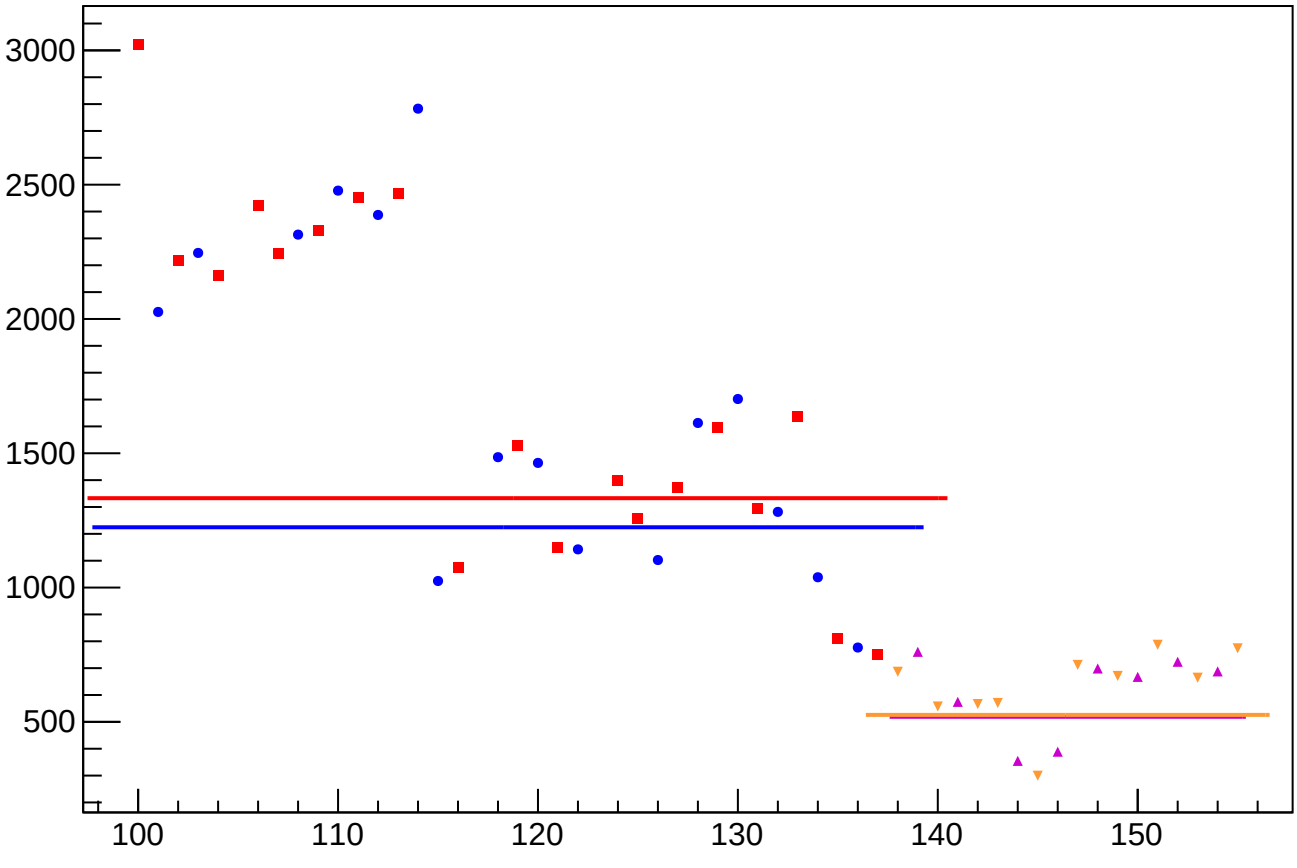
Left: -358.810+/-143.790 χ^2/NDF: 37.8/17

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: -277.778+/-191.366 χ^2/NDF:30.7/23

Out: -457.147+/-186.191 χ^2/NDF:42.1/28

All: -369.921+/-133.449 χ^2/NDF: 73.2/52



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 526.004+/-0.141 χ^2/NDF:1637287.7/9

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 518.885+/-0.147 χ^2/NDF:1161563.9/7

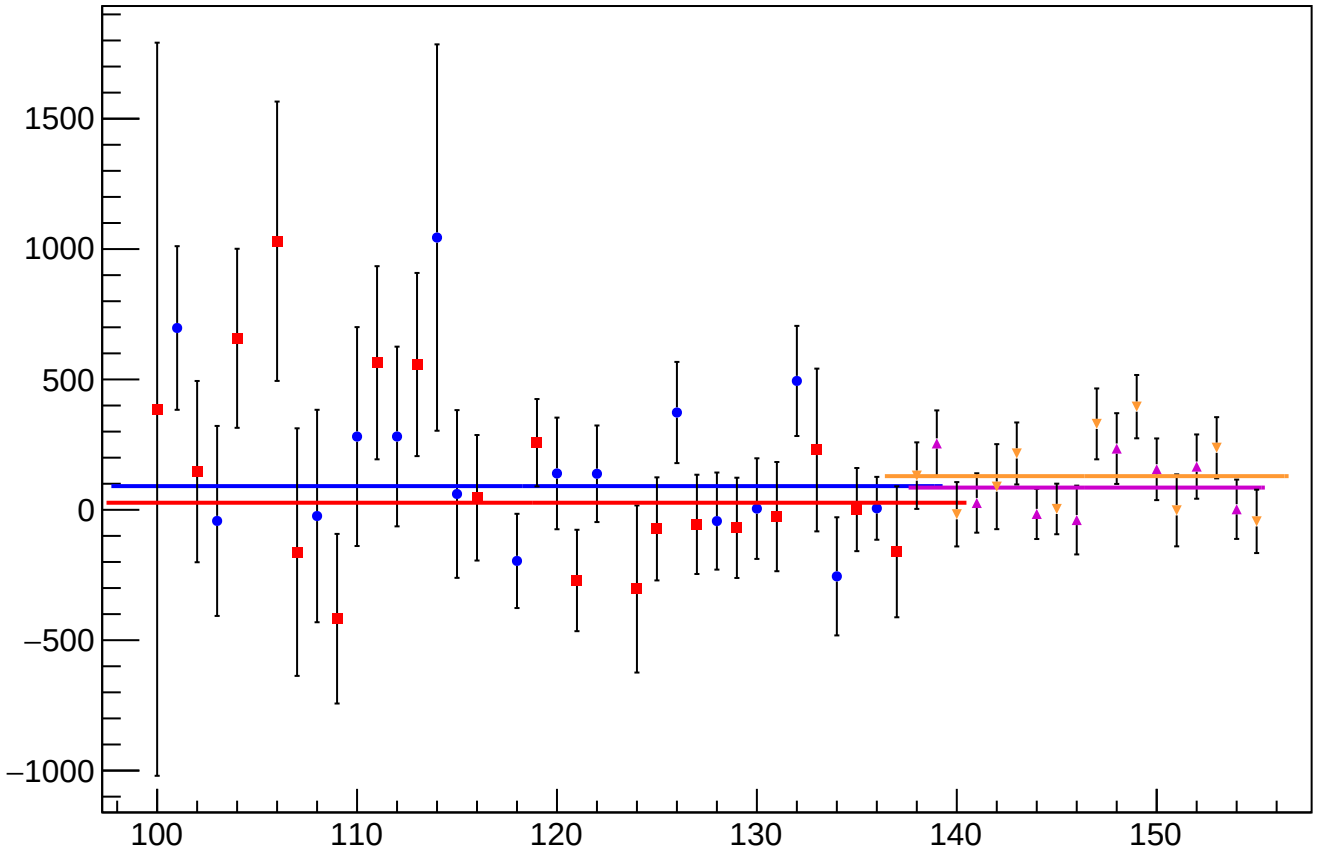
Left: 522.594+/-0.102 χ^2/NDF: 2800075.1/17

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 625.898+/-0.135 χ^2/NDF:6619201.9/23

Out: 627.930+/-0.132 χ^2/NDF:7776845.0/28

All: 626.942+/-0.094 χ^2/NDF: 14396162.7/52


eigen_dit_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
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−500
−1000
100
110
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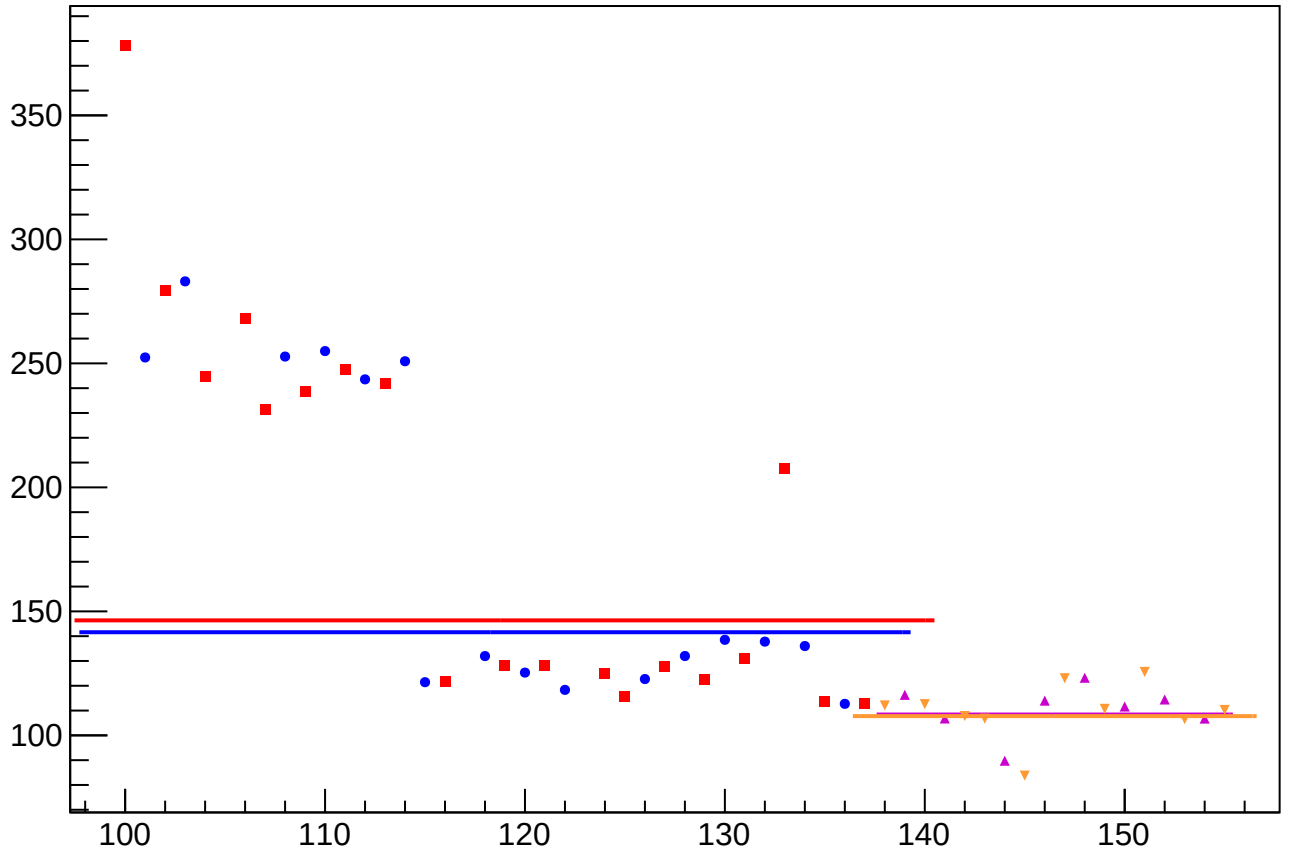
130
140
150
Right In: 90.910+/-55.564 χ²/NDF: 18.1/15
Left Out: 129.134+/-39.024 χ²/NDF:14.5/9
Right Out: 27.170+/-57.015 χ²/NDF: 20.6/18
Left In: 85.270+/-41.747 χ²/NDF:6.6/7
Left: 108.679+/-28.508 χ²/NDF: 21.6/17
Right: 59.862+/-39.793 χ²/NDF: 39.3/34
In: 87.305+/-33.376 χ²/NDF:24.7/23
Out: 96.606+/-32.203 χ²/NDF:37.2/28
All: 92.122+/-23.175 χ²/NDF: 61.9/52



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 107.759+/-0.028 χ^2/NDF:188734.0/9

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 108.396+/-0.030 χ^2/NDF:117511.0/7

Left: 108.056+/-0.020 χ^2/NDF: 306493.6/17

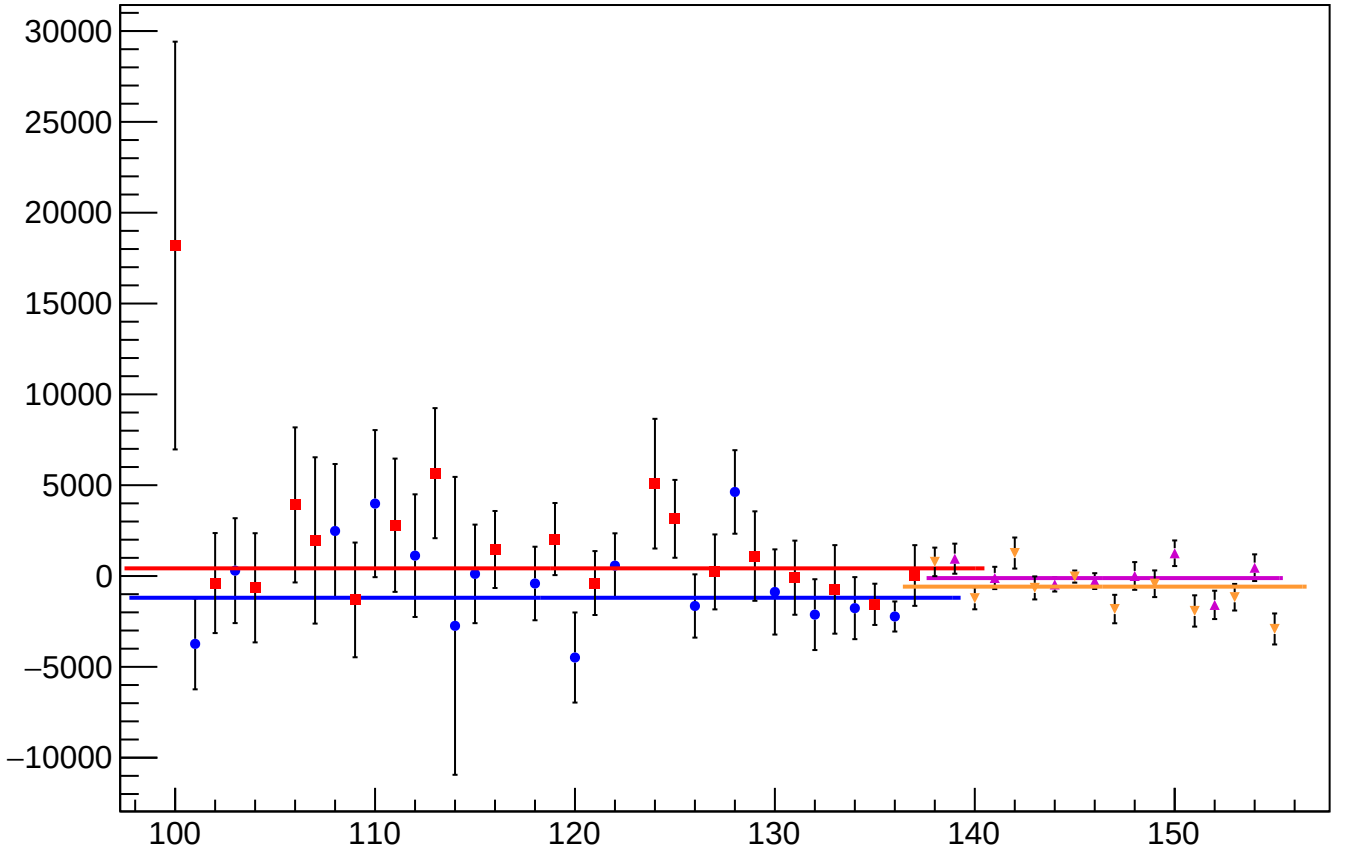
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 120.371+/-0.024 χ^2/NDF:1835979.3/23

Out: 120.076+/-0.023 χ^2/NDF:2326939.9/28

All: 120.218+/-0.016 χ^2/NDF: 4163000.4/52

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: -584.298+/-199.199 χ^2/NDF:24.6/9

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -113.498+/-207.769 χ^2/NDF:10.6/7

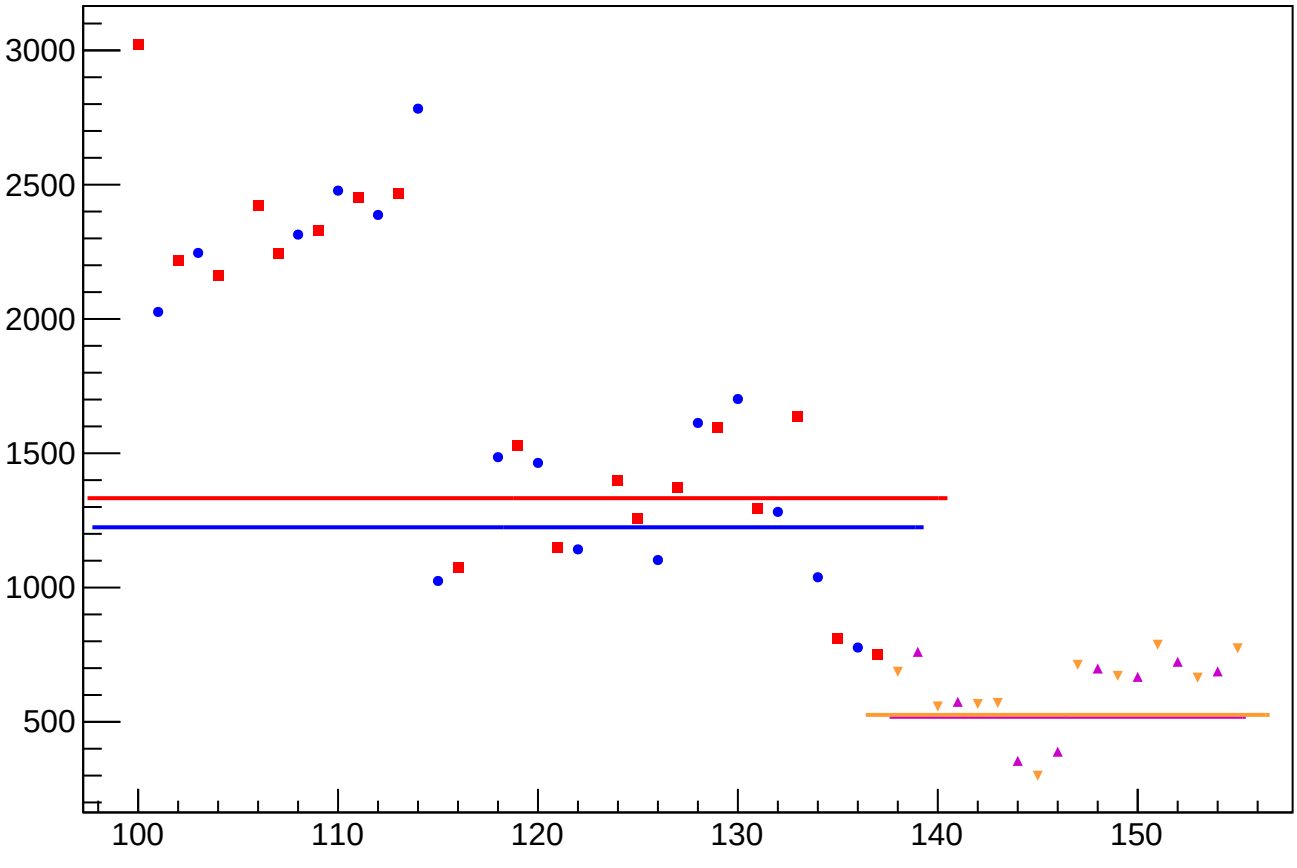
Left: -358.809+/-143.789 χ^2/NDF: 37.8/17

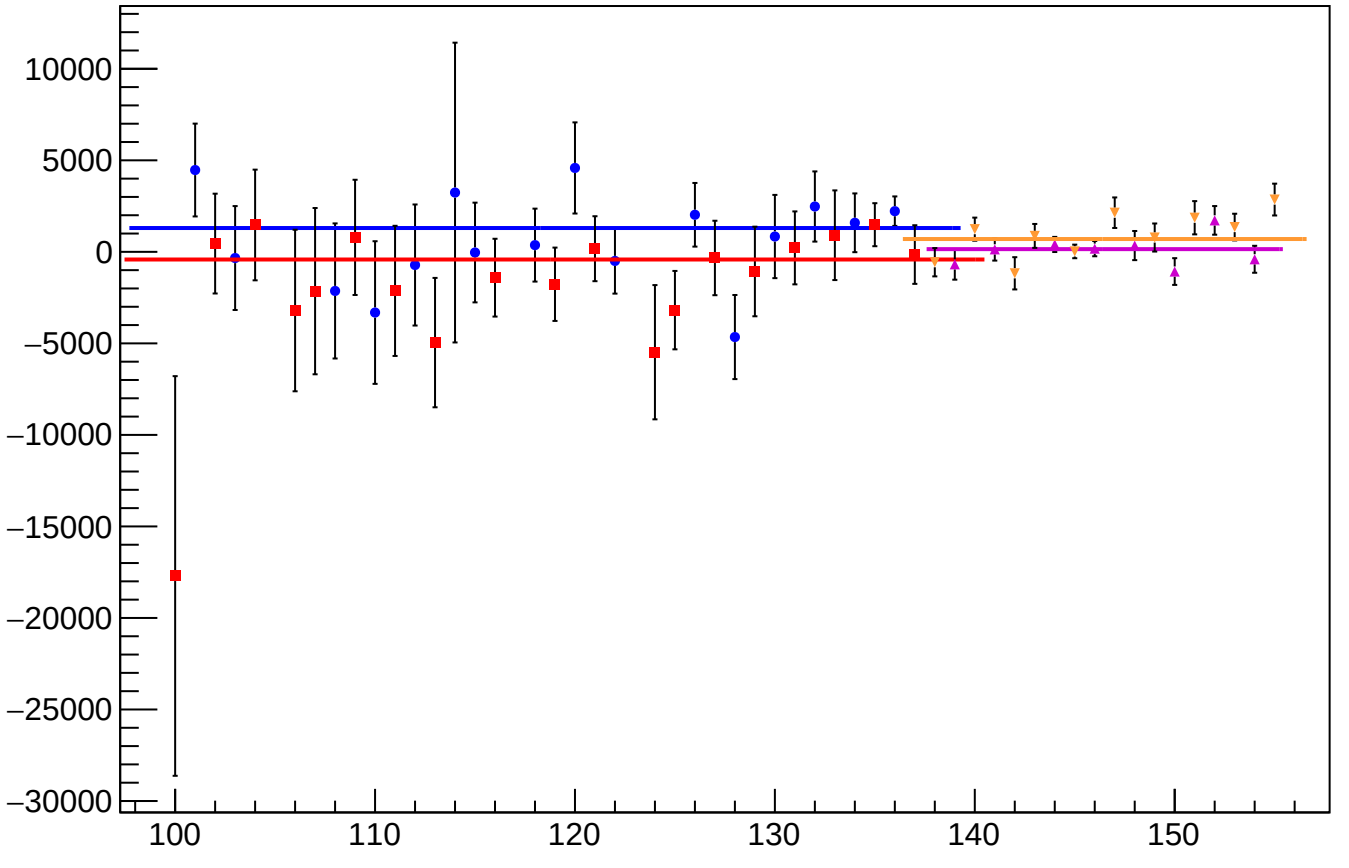
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -277.777+/-191.366 χ^2/NDF:30.7/23

Out: -457.145+/-186.191 χ^2/NDF:42.1/28

All: -369.919+/-133.449 χ^2/NDF: 73.2/52


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: 526.001+/-0.141 χ²/NDF:1637328.2/9
Right Out: 1332.784+/-0.370 χ²/NDF: 1994794.3/18
Left In: 518.883+/-0.147 χ²/NDF:1161577.2/7
Left: 522.592+/-0.102 χ²/NDF: 2800128.5/17
Right: 1275.168+/-0.253 χ²/NDF: 3999620.7/34
In: 625.897+/-0.135 χ²/NDF:6619210.1/23
Out: 627.928+/-0.132 χ²/NDF:7776896.6/28
All: 626.940+/-0.094 χ²/NDF: 14396222.4/52



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 700.559+/-210.141 χ^2/NDF:22.9/9

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 148.128+/-210.135 χ^2/NDF:8.8/7

Left: 424.335+/-148.590 χ^2/NDF: 35.2/17

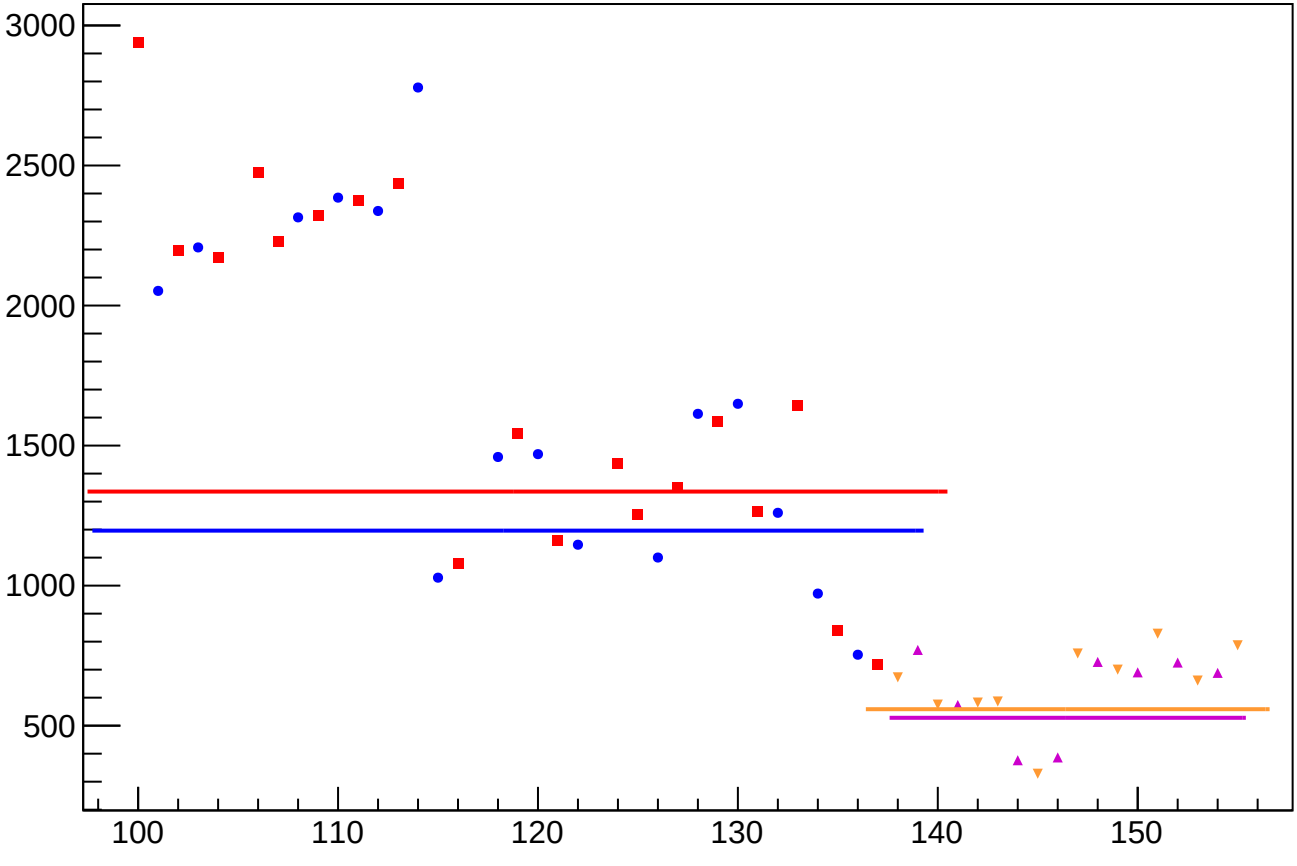
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 332.379+/-192.623 χ^2/NDF:30.1/23

Out: 545.811+/-195.068 χ^2/NDF:39.9/28

All: 437.749+/-137.061 χ^2/NDF: 70.6/52

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 558.790+/-0.149 χ^2/NDF:1355603.8/9

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 528.082+/-0.149 χ^2/NDF:1124893.5/7

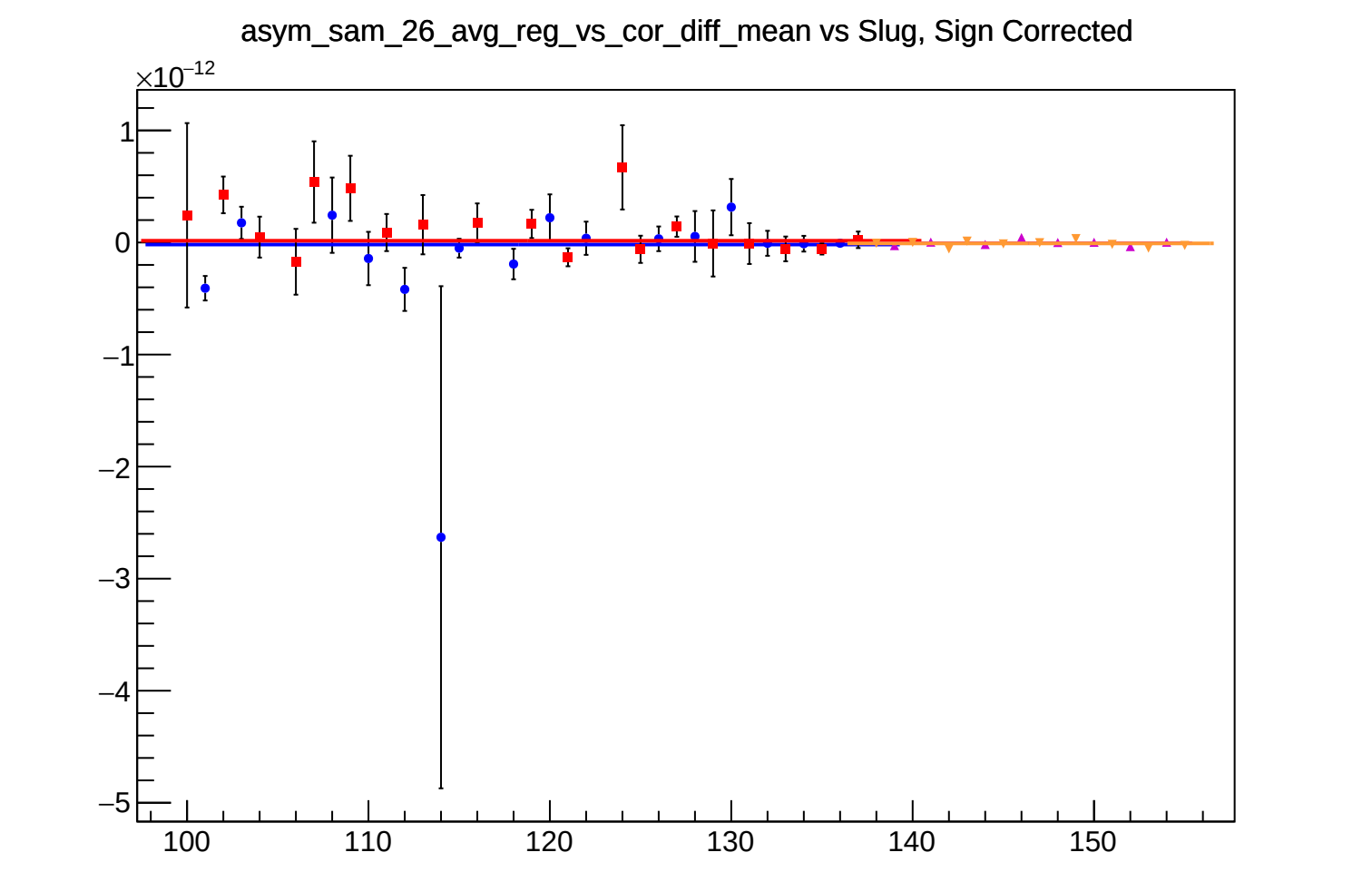
Left: 543.436+/-0.105 χ^2/NDF: 2501852.8/17

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 634.827+/-0.136 χ^2/NDF:6387573.8/23

Out: 666.260+/-0.138 χ^2/NDF:7089125.5/28

All: 650.345+/-0.097 χ^2/NDF: 13502993.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

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

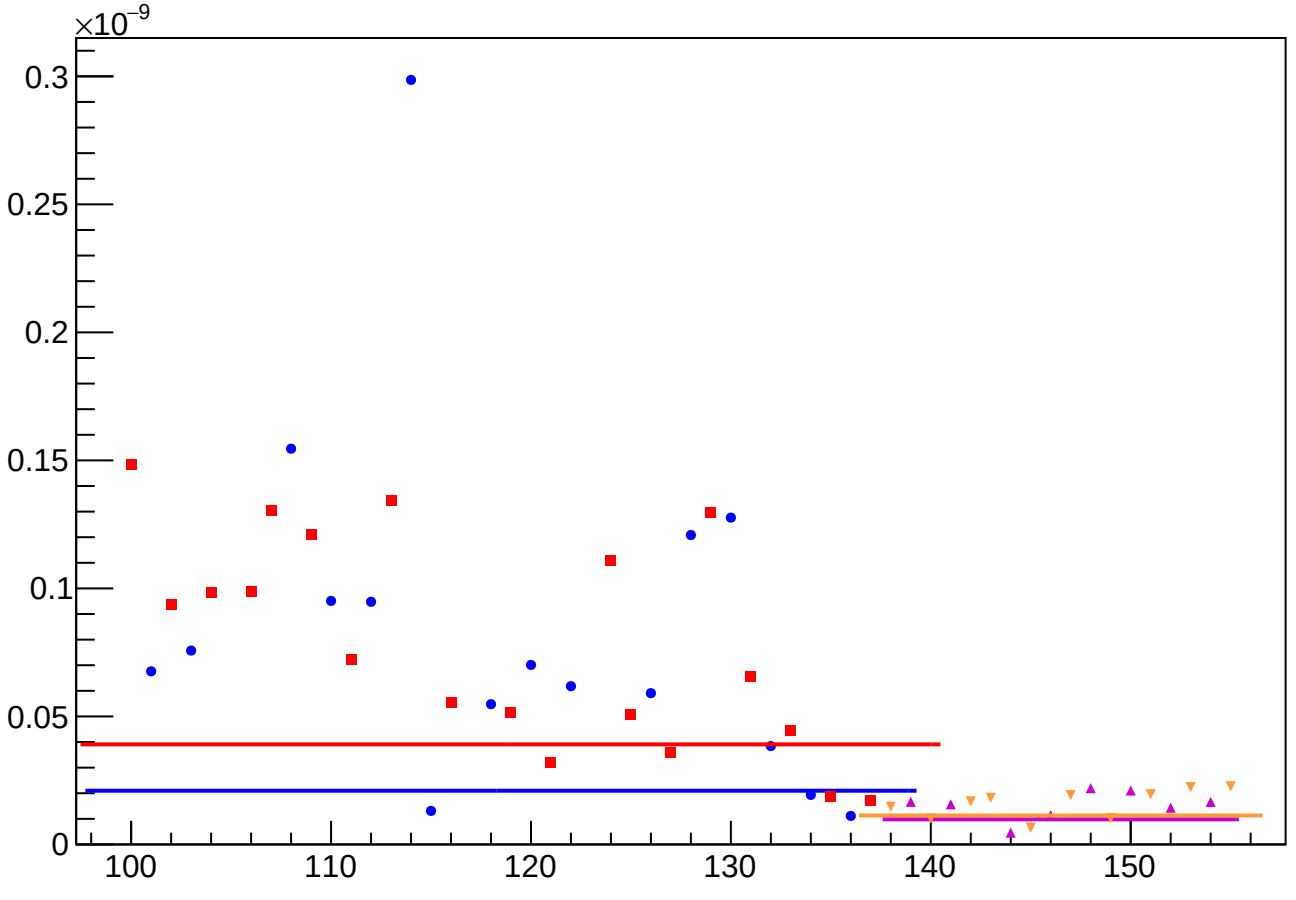
Left: -0.000+/-0.000 χ^2/NDF: 18.7/17

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:38.1/23

Out: -0.000+/-0.000 χ^2/NDF:34.1/28

All: -0.000+/-0.000 χ^2/NDF: 72.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1219613.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1468015.8/7

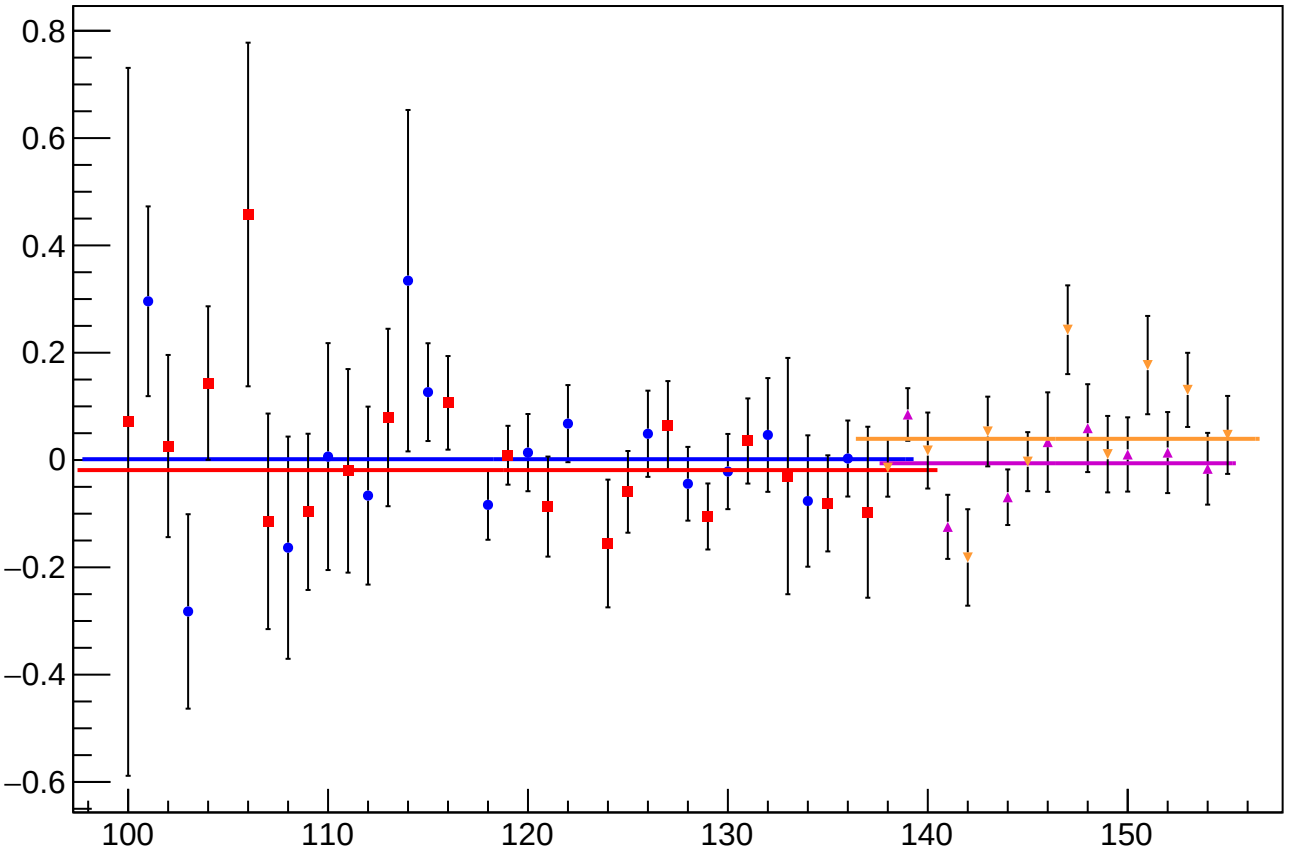
Left: 0.000+/-0.000 χ^2/NDF: 2735087.1/17

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:5533773.0/23

Out: 0.000+/-0.000 χ^2/NDF:5197355.4/28

All: 0.000+/-0.000 χ^2/NDF: 10799079.3/52



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.040+/-0.022 χ^2/NDF:18.0/9

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.006+/-0.023 χ^2/NDF:9.8/7

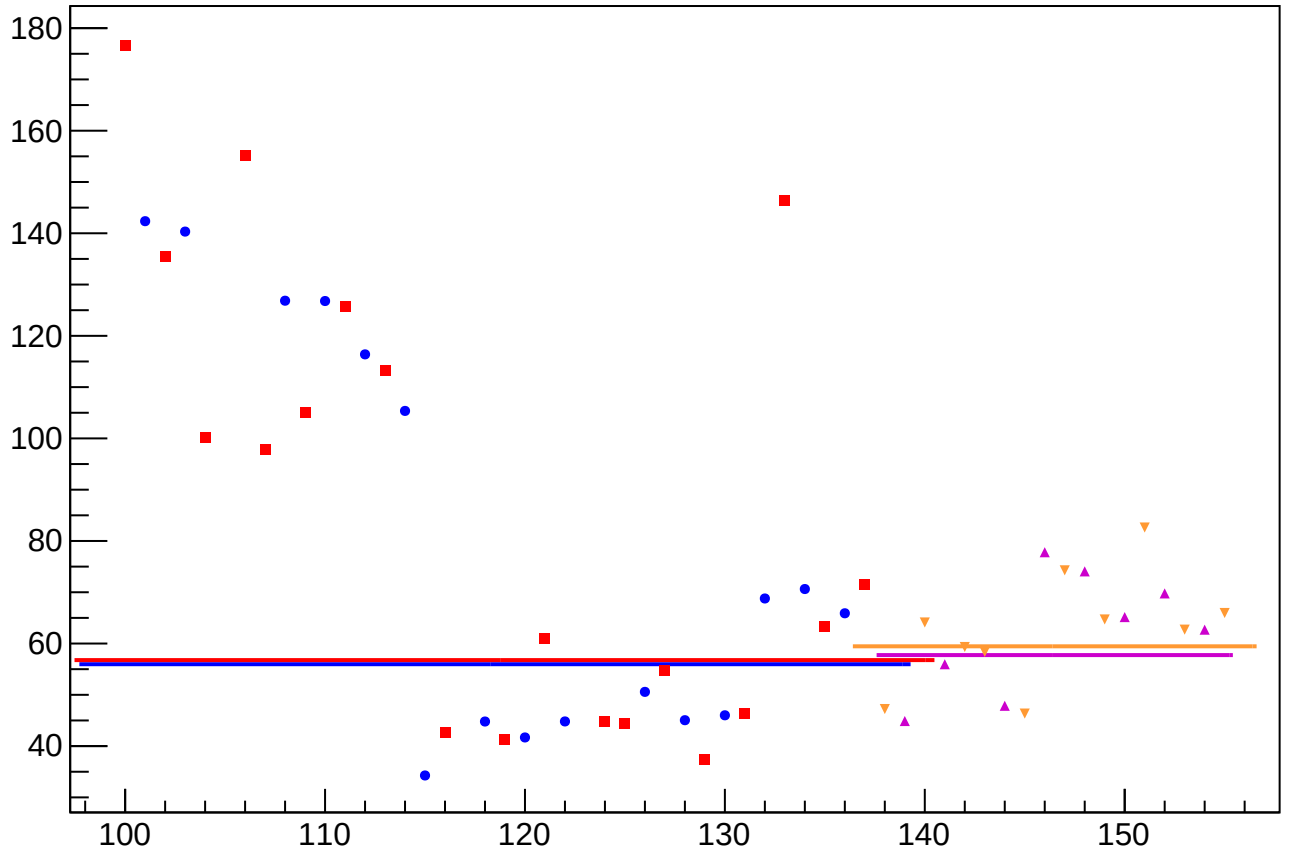
Left: 0.018+/-0.016 χ^2/NDF: 29.9/17

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.002+/-0.016 χ^2/NDF:23.0/23

Out: 0.013+/-0.016 χ^2/NDF:34.4/28

All: 0.005+/-0.011 χ^2/NDF: 57.8/52



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 59.458+/-0.015 χ^2/NDF:448515.3/9

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.747+/-0.016 χ^2/NDF:469814.1/7

Left: 58.635+/-0.011 χ^2/NDF: 924230.4/17

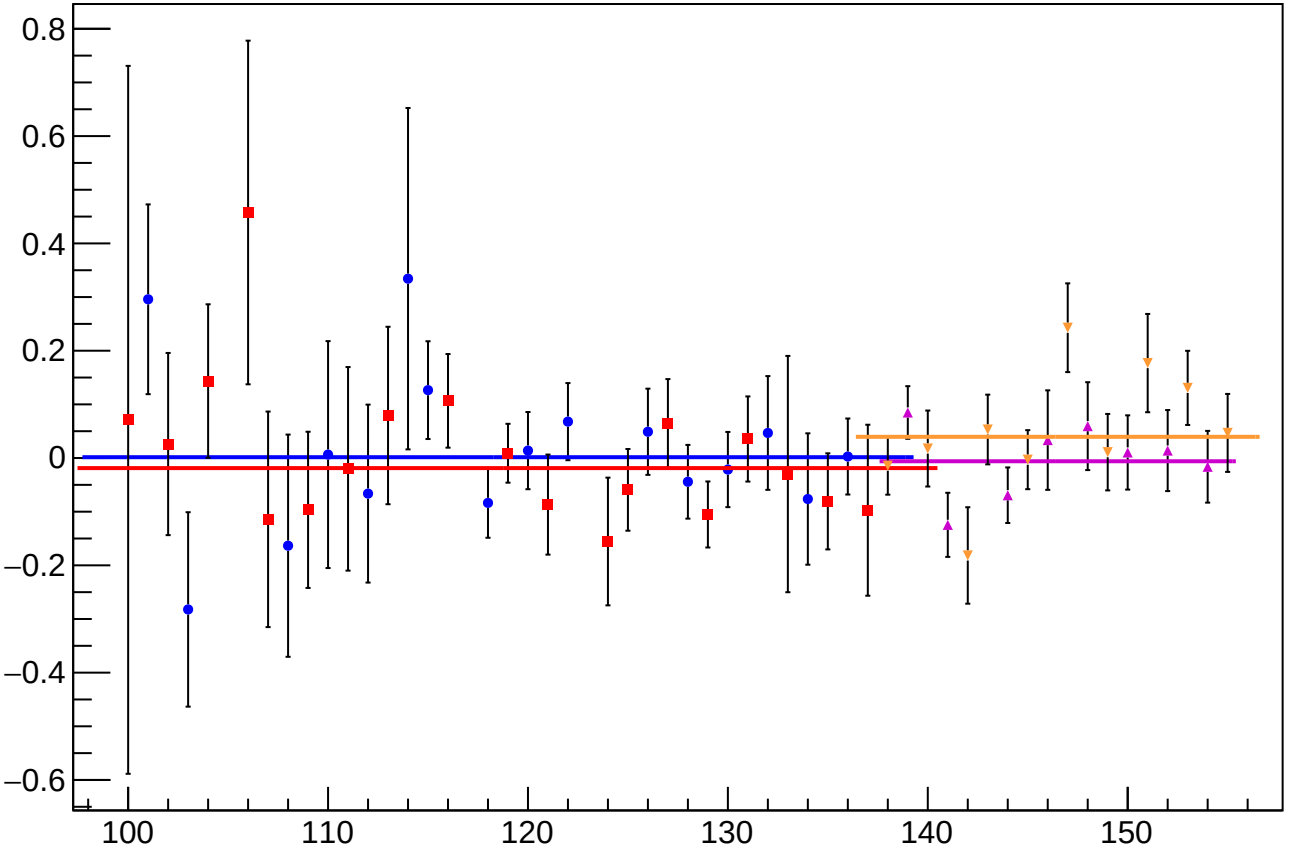
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.886+/-0.012 χ^2/NDF:2655595.9/23

Out: 58.213+/-0.011 χ^2/NDF:3015761.1/28

All: 57.561+/-0.008 χ^2/NDF: 5678106.1/52

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: 0.040+/-0.022 χ^2/NDF:18.0/9

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.006+/-0.023 χ^2/NDF:9.8/7

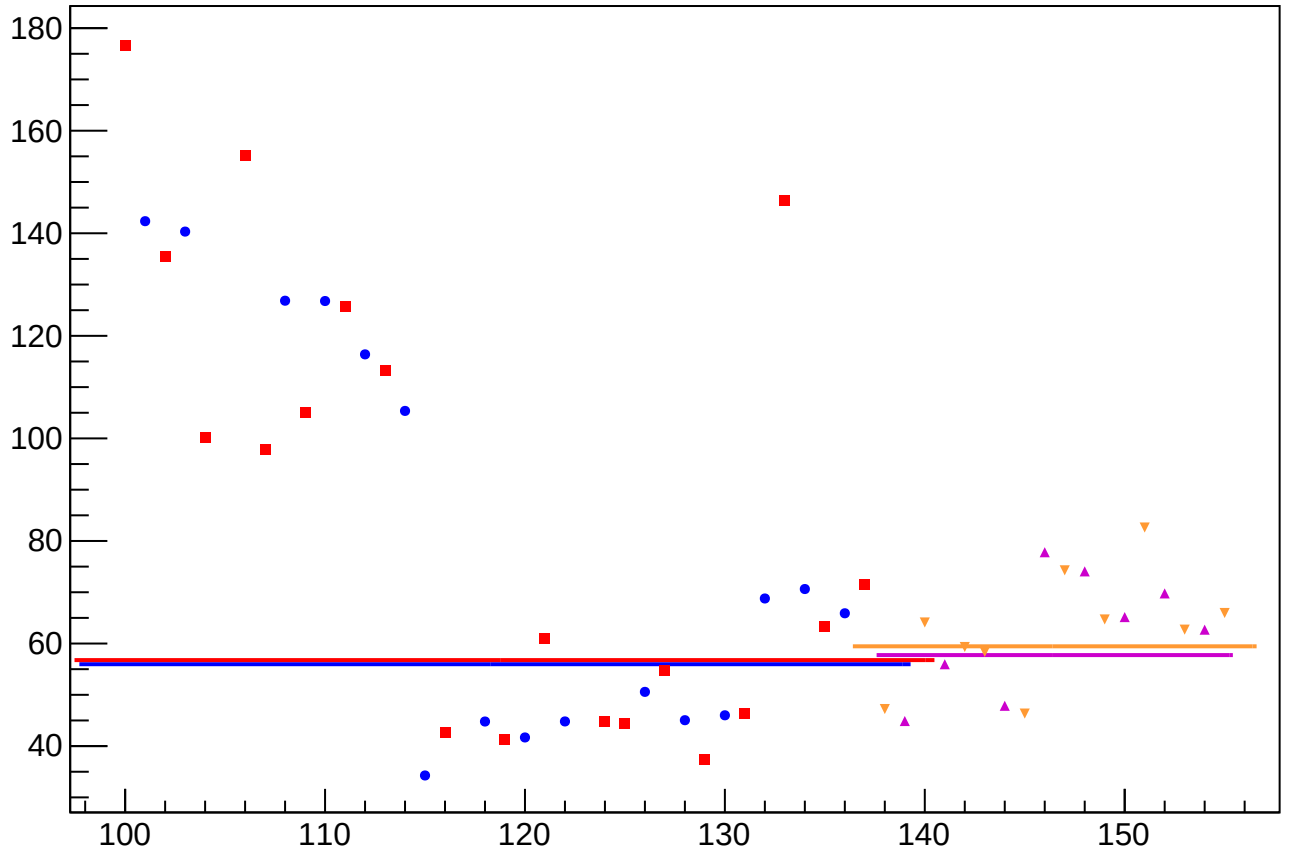
Left: 0.018+/-0.016 χ^2/NDF: 29.9/17

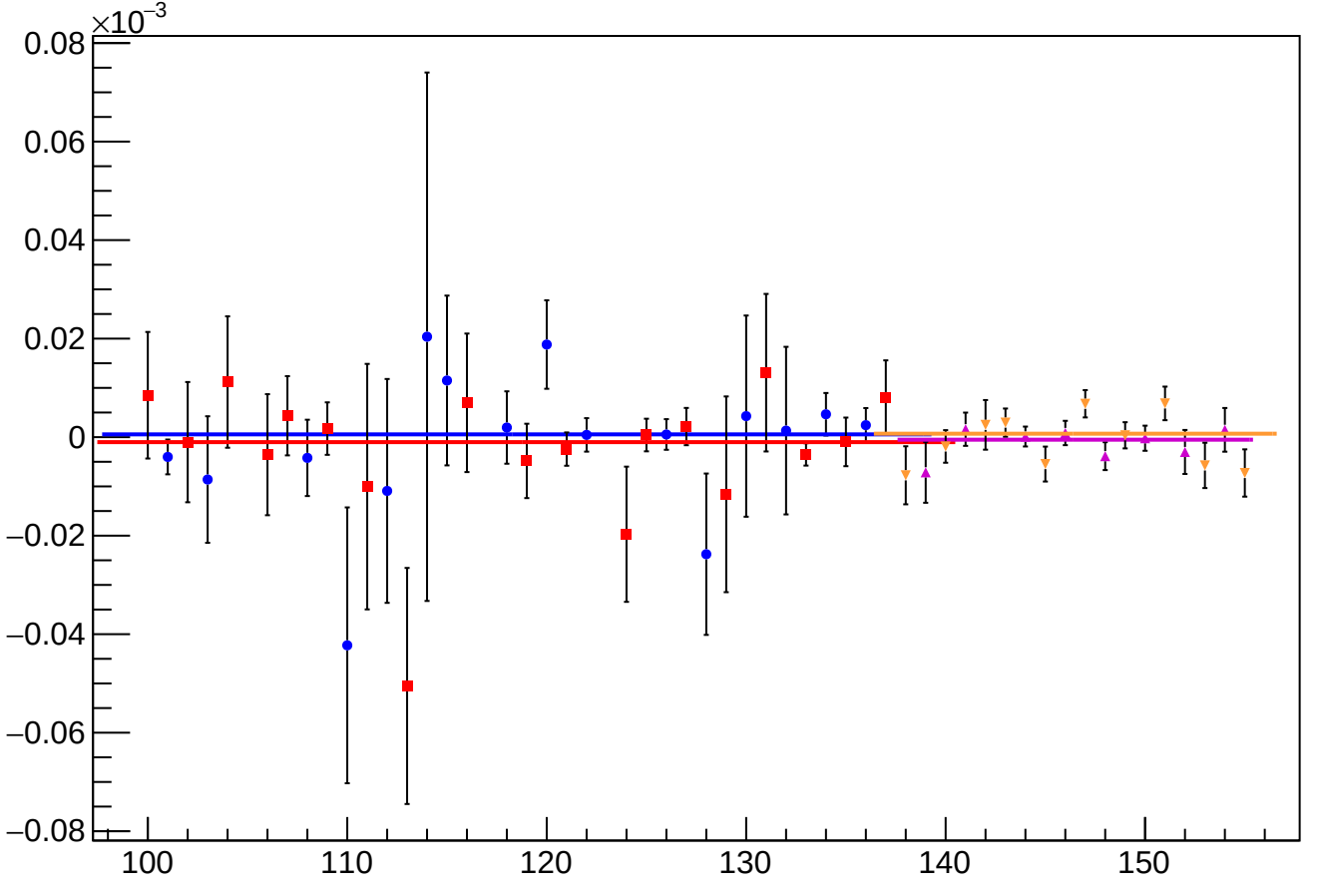
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.002+/-0.016 χ^2/NDF:23.0/23

Out: 0.013+/-0.016 χ^2/NDF:34.4/28

All: 0.005+/-0.011 χ^2/NDF: 57.8/52


asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
180
160
140
120
100
80
60
40
100
110
120
130
140
150
Right In: 55.968+/-0.017 χ²/NDF: 2179829.3/15
Left Out: 59.458+/-0.015 χ²/NDF:448515.3/9
Right Out: 56.770+/-0.017 χ²/NDF: 2553223.5/18
Left In: 57.747+/-0.016 χ²/NDF:469814.1/7
Left: 58.635+/-0.011 χ²/NDF: 924230.4/17
Right: 56.368+/-0.012 χ²/NDF: 4734221.0/34
In: 56.886+/-0.012 χ²/NDF:2655595.9/23
Out: 58.213+/-0.011 χ²/NDF:3015761.1/28
All: 57.561+/-0.008 χ²/NDF: 5678106.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.9/7

Left: 0.000+/-0.000 χ^2/NDF: 23.7/17

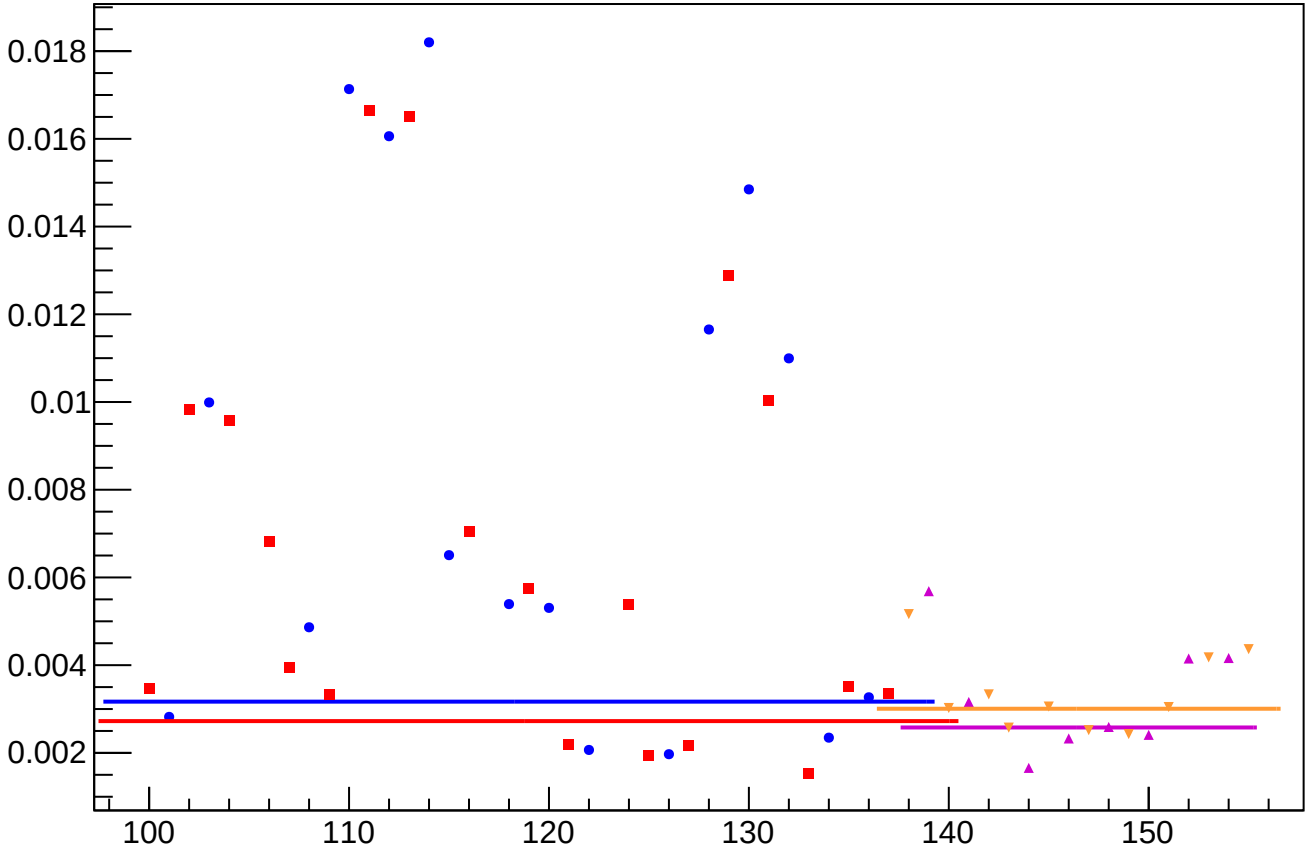
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:17.5/23

Out: -0.000+/-0.000 χ^2/NDF:34.1/28

All: -0.000+/-0.000 χ^2/NDF: 51.6/52

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:769279.8/9

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:1513614.0/7

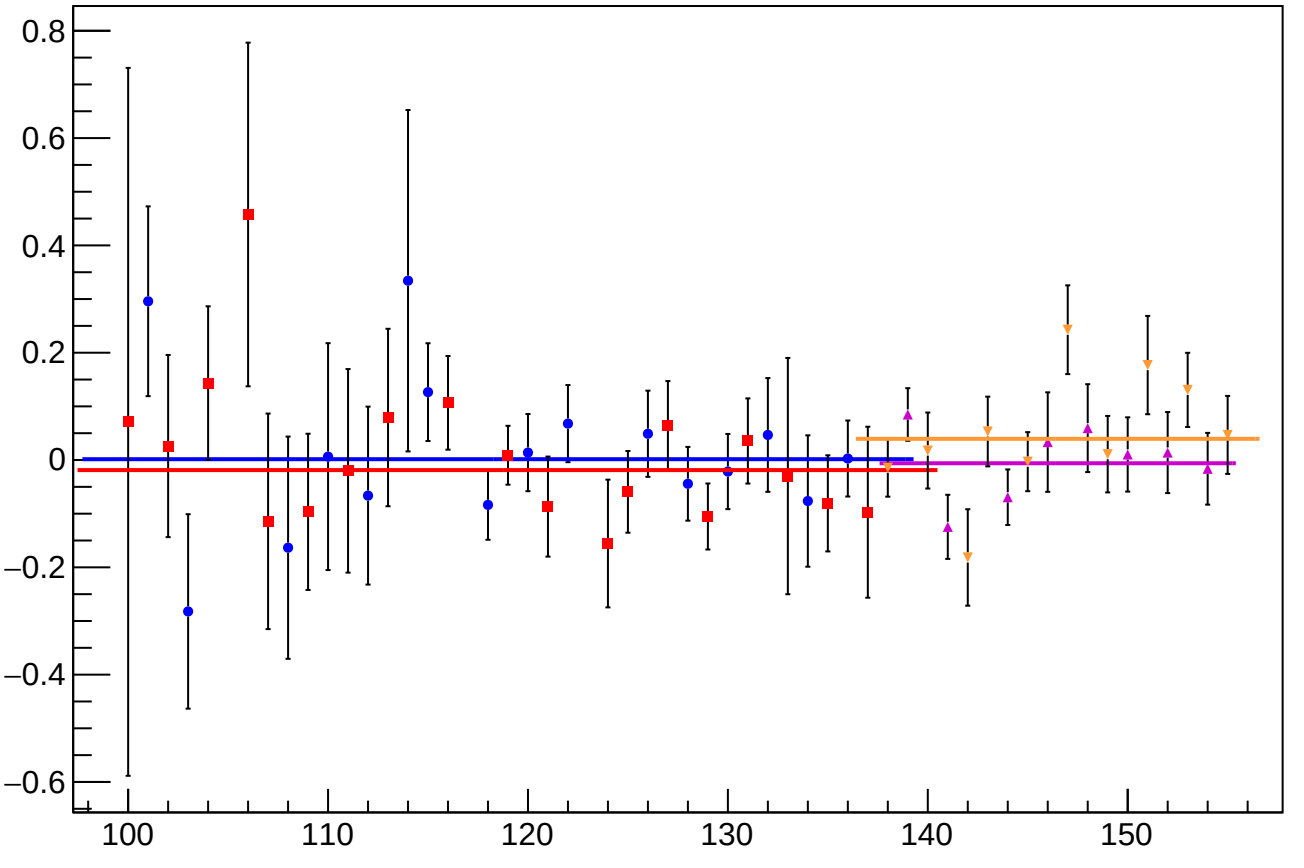
Left: 0.003+/-0.000 χ^2/NDF: 2438805.6/17

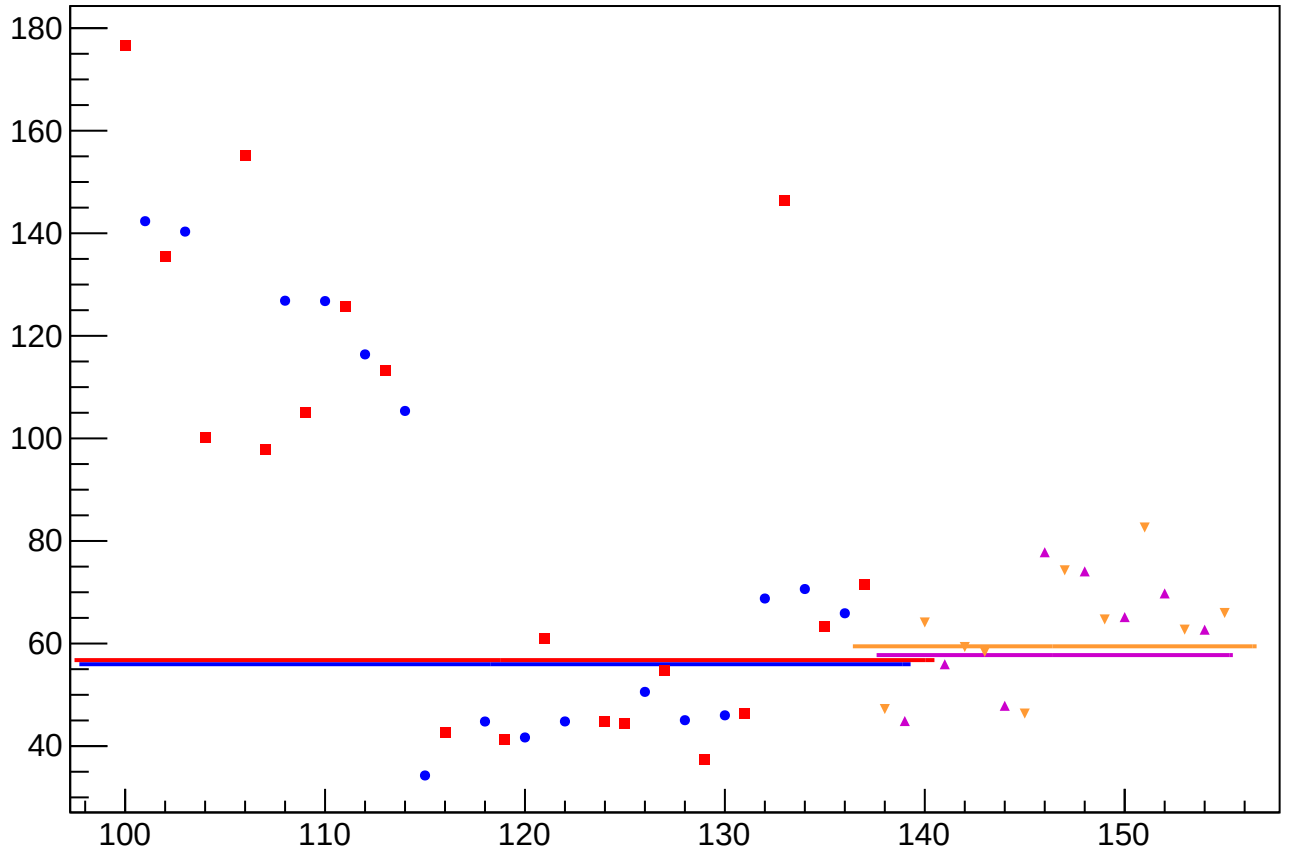
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

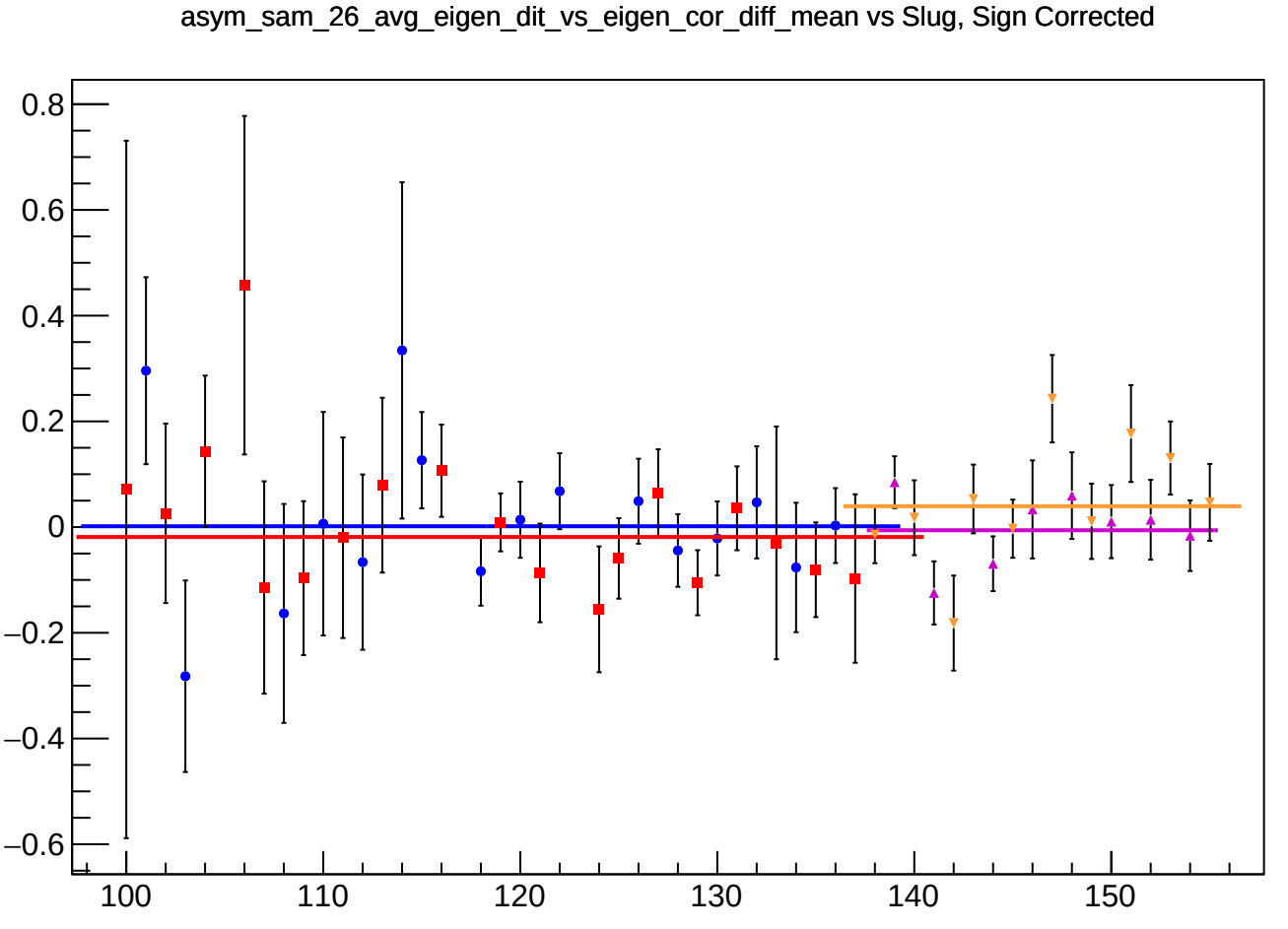
In: 0.003+/-0.000 χ^2/NDF:6276035.1/23

Out: 0.003+/-0.000 χ^2/NDF:5978096.4/28

All: 0.003+/-0.000 χ^2/NDF: 12268678.4/52


asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.040+/-0.022 χ²/NDF:18.0/9
Right Out: -0.019+/-0.024 χ²/NDF: 13.1/18
Left In: -0.006+/-0.023 χ²/NDF:9.8/7
Left: 0.018+/-0.016 χ²/NDF: 29.9/17
Right: -0.009+/-0.017 χ²/NDF: 26.6/34
In: -0.002+/-0.016 χ²/NDF:23.0/23
Out: 0.012+/-0.016 χ²/NDF:34.4/28
All: 0.005+/-0.011 χ²/NDF: 57.8/52


asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
180
160
140
120
100
80
60
40
100
110
120
130
140
150
Right In: 55.968+/-0.017 χ²/NDF: 2179757.6/15
Left Out: 59.459+/-0.015 χ²/NDF:448505.0/9
Right Out: 56.770+/-0.017 χ²/NDF: 2553168.3/18
Left In: 57.748+/-0.016 χ²/NDF:469803.1/7
Left: 58.636+/-0.011 χ²/NDF: 924208.4/17
Right: 56.367+/-0.012 χ²/NDF: 4734093.5/34
In: 56.886+/-0.012 χ²/NDF:2655519.8/23
Out: 58.213+/-0.011 χ²/NDF:3015707.6/28
All: 57.561+/-0.008 χ²/NDF: 5677975.1/52



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.040+/-0.022 χ^2/NDF:18.0/9

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.006+/-0.023 χ^2/NDF:9.8/7

Left: 0.018+/-0.016 χ^2/NDF: 29.9/17

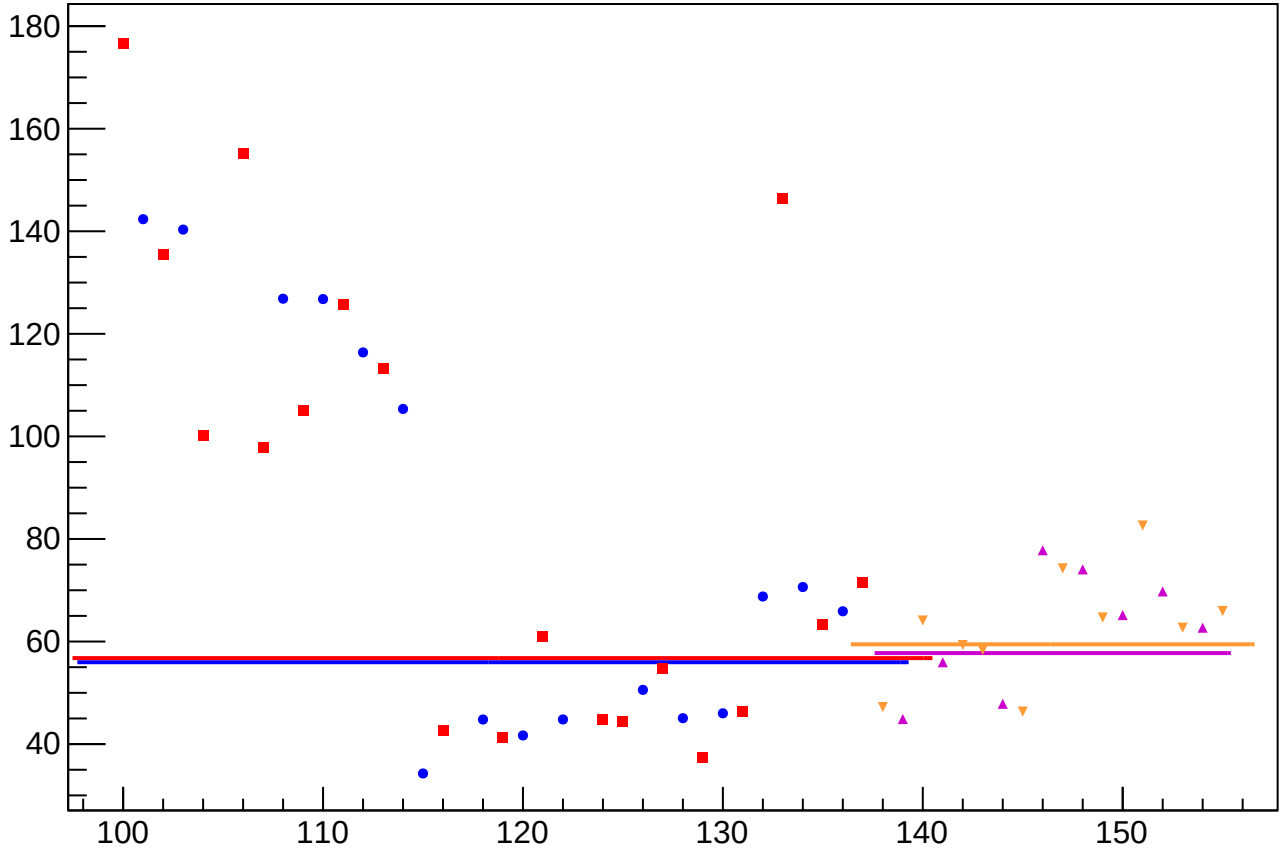
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.002+/-0.016 χ^2/NDF:23.0/23

Out: 0.012+/-0.016 χ^2/NDF:34.4/28

All: 0.005+/-0.011 χ^2/NDF: 57.8/52

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: 59.459+/-0.015 χ^2/NDF:448505.0/9

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 57.748+/-0.016 χ^2/NDF:469803.1/7

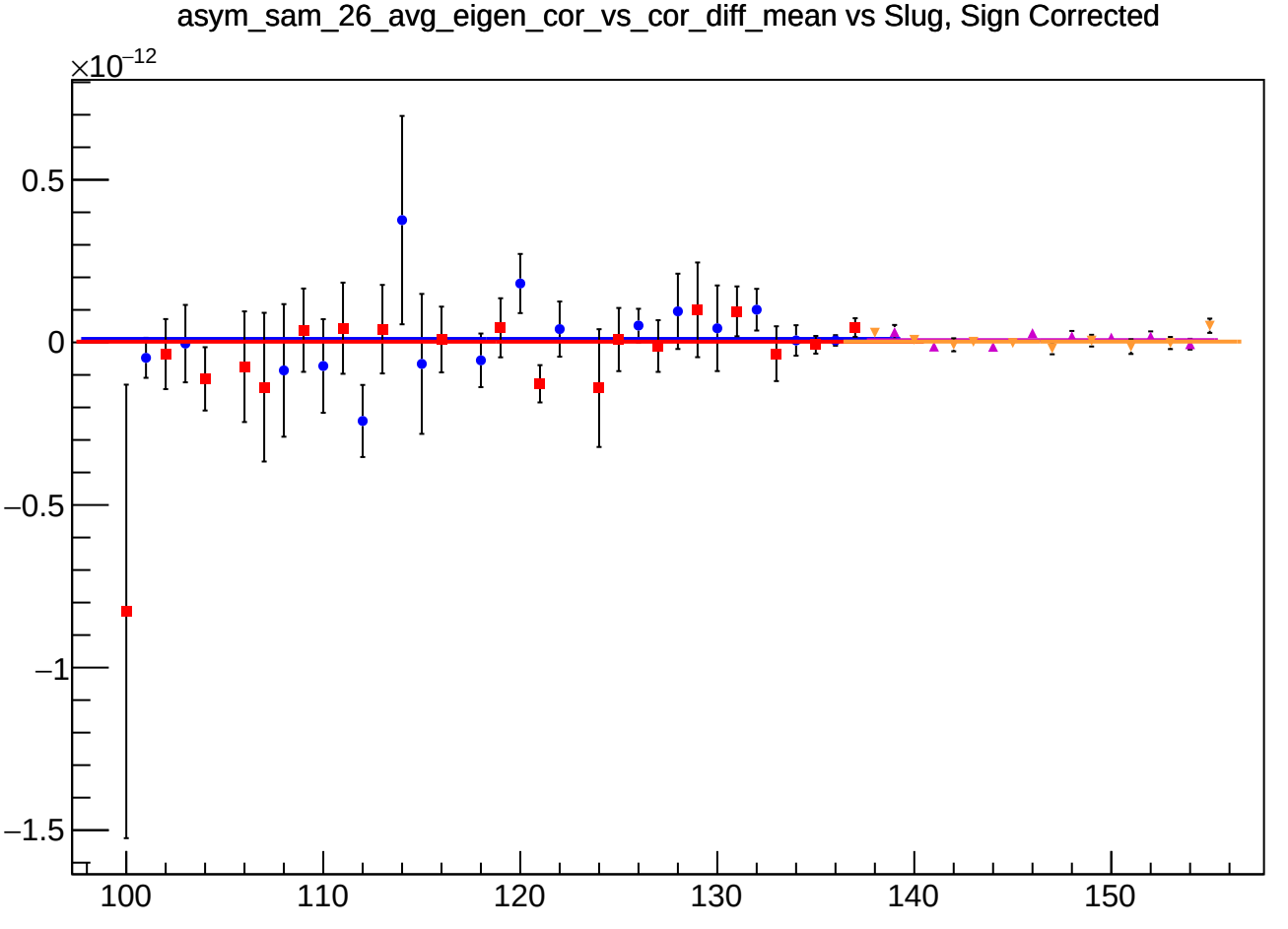
Left: 58.636+/-0.011 χ^2/NDF: 924208.4/17

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.886+/-0.012 χ^2/NDF:2655519.8/23

Out: 58.213+/-0.011 χ^2/NDF:3015707.6/28

All: 57.561+/-0.008 χ^2/NDF: 5677975.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.9/7

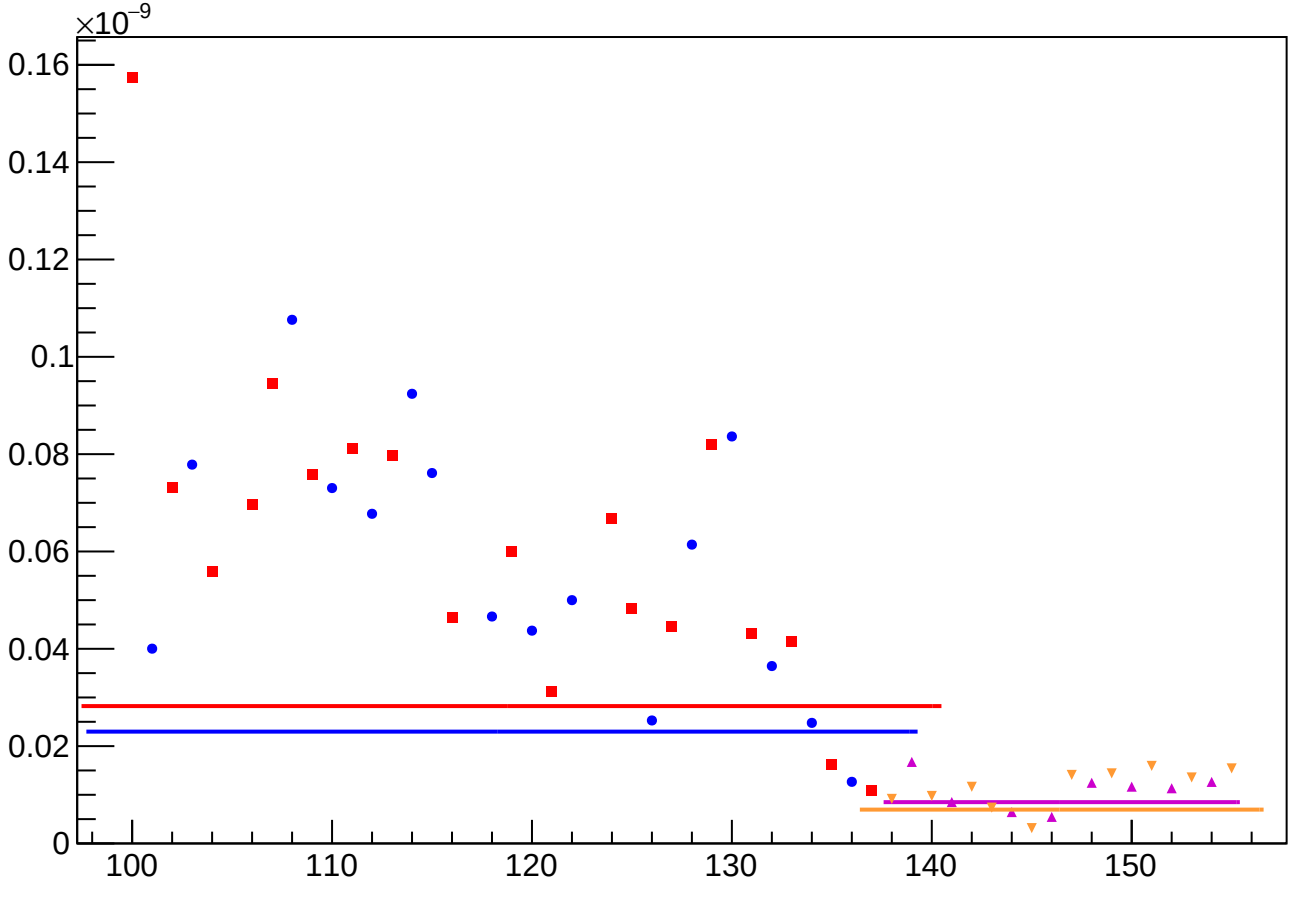
Left: 0.000+/-0.000 χ^2/NDF: 31.7/17

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:34.6/23

Out: 0.000+/-0.000 χ^2/NDF:26.4/28

All: 0.000+/-0.000 χ^2/NDF: 61.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2912162.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1064601.4/7

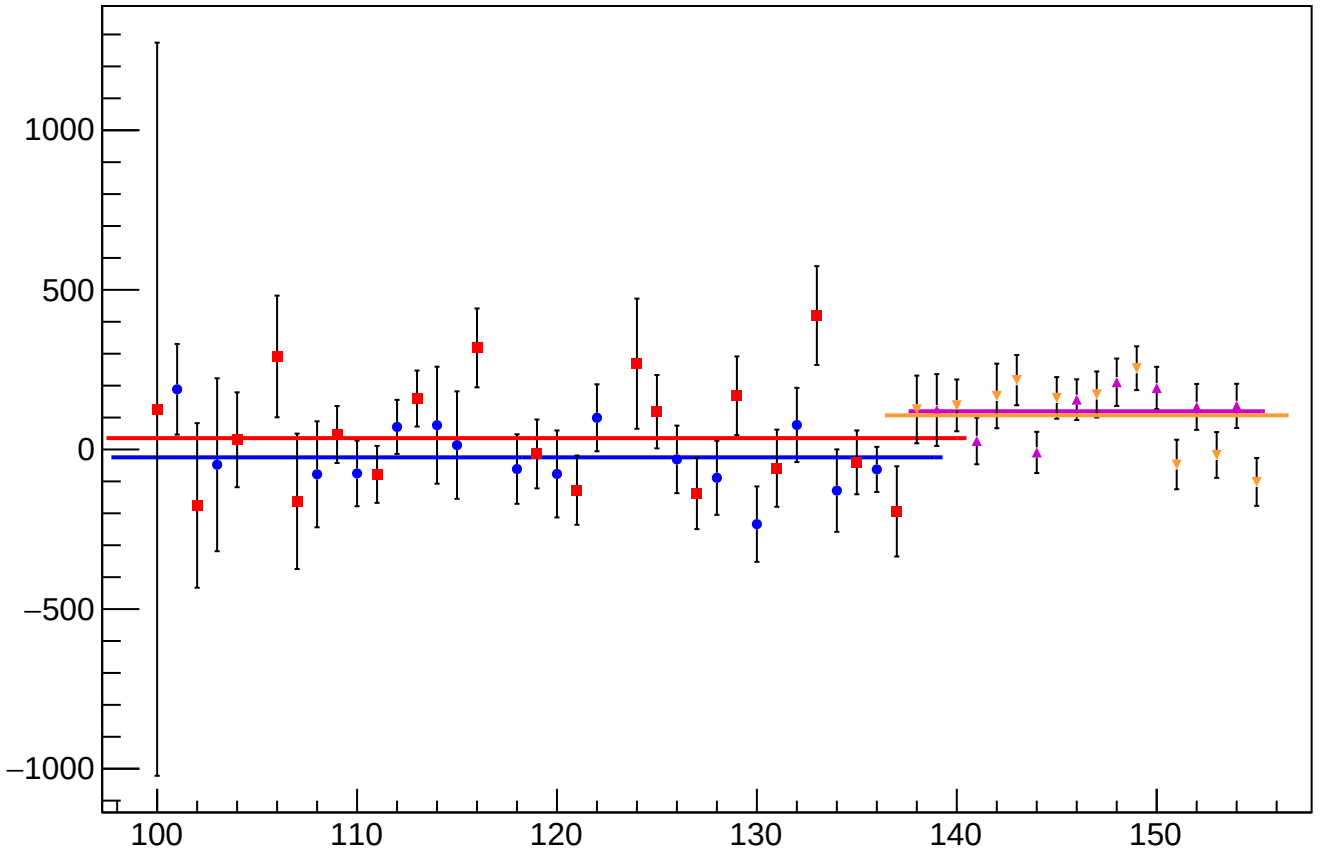
Left: 0.000+/-0.000 χ^2/NDF: 4126069.7/17

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:7049646.5/23

Out: 0.000+/-0.000 χ^2/NDF:10303340.2/28

All: 0.000+/-0.000 χ^2/NDF: 17590758.3/52



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 106.956+/-24.399 χ^2/NDF:23.4/9

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 119.717+/-25.295 χ^2/NDF:8.7/7

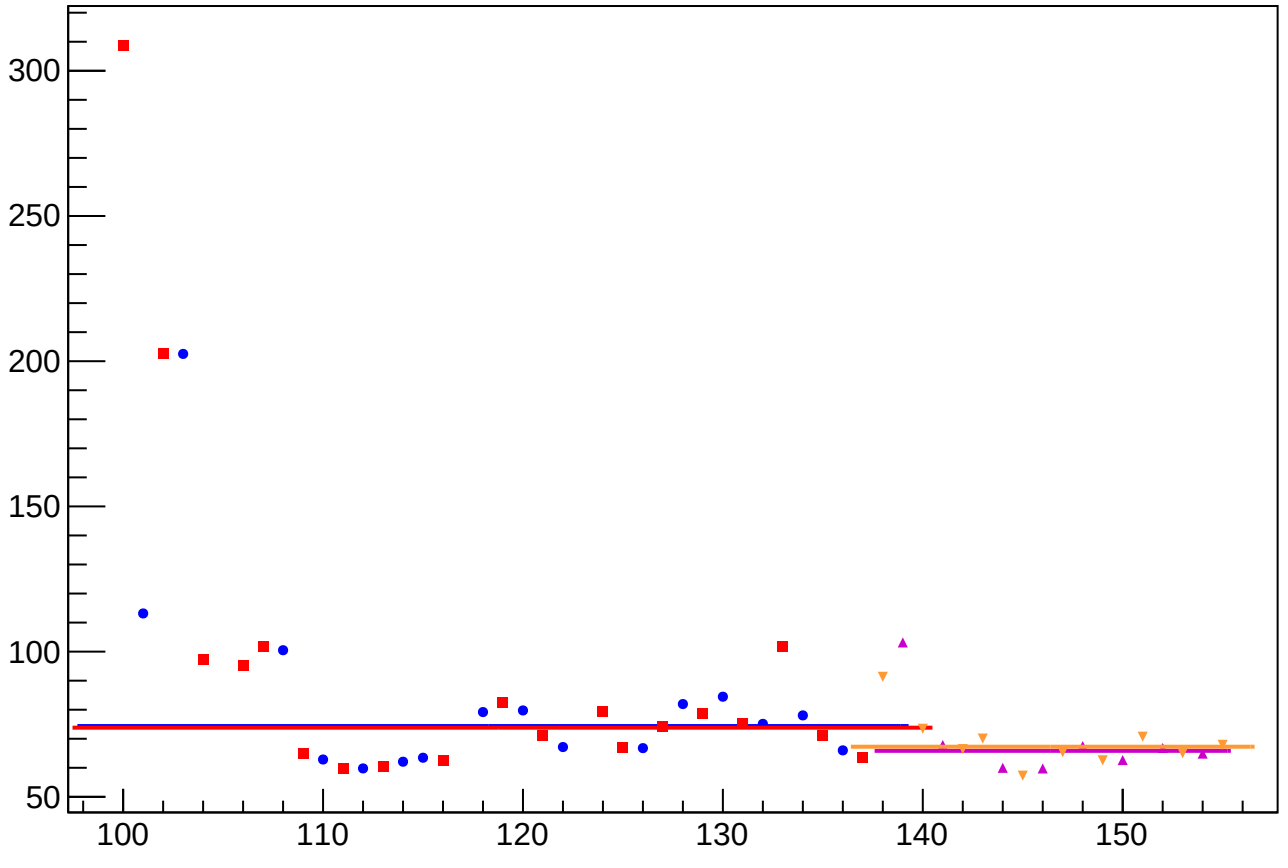
Left: 113.106+/-17.561 χ^2/NDF: 32.2/17

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 57.132+/-19.038 χ^2/NDF:33.9/23

Out: 76.713+/-18.522 χ^2/NDF:57.1/28

All: 67.191+/-13.276 χ^2/NDF: 91.5/52



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 67.260+/-0.017 χ^2/NDF:180896.2/9

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.841+/-0.018 χ^2/NDF:262435.9/7

Left: 66.576+/-0.012 χ^2/NDF: 446592.0/17

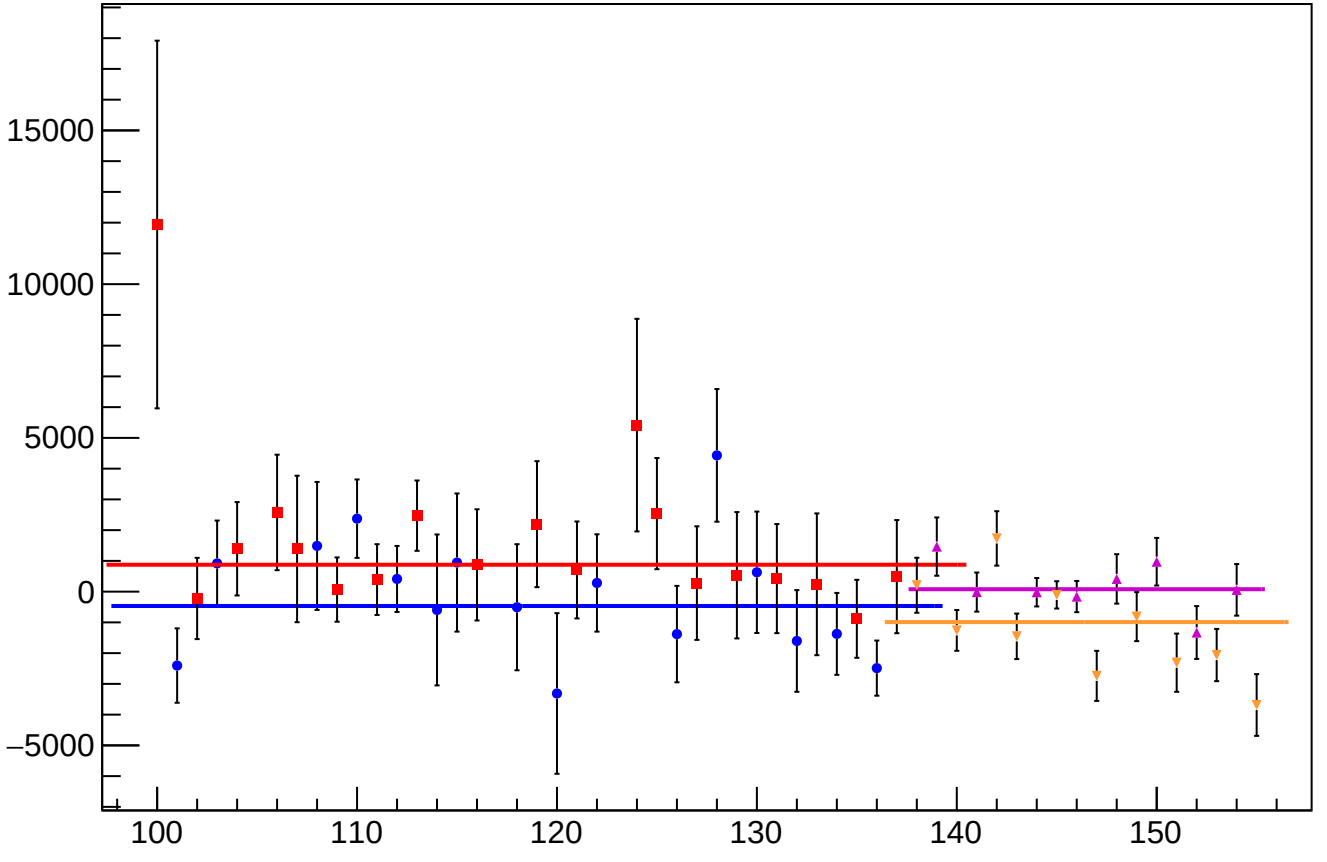
Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 69.539+/-0.013 χ^2/NDF:1188568.0/23

Out: 70.038+/-0.013 χ^2/NDF:1174003.5/28

All: 69.795+/-0.009 χ^2/NDF: 2363277.3/52

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: -990.202+/-233.927 χ^2/NDF:31.2/9

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 78.810+/-234.941 χ^2/NDF:6.6/7

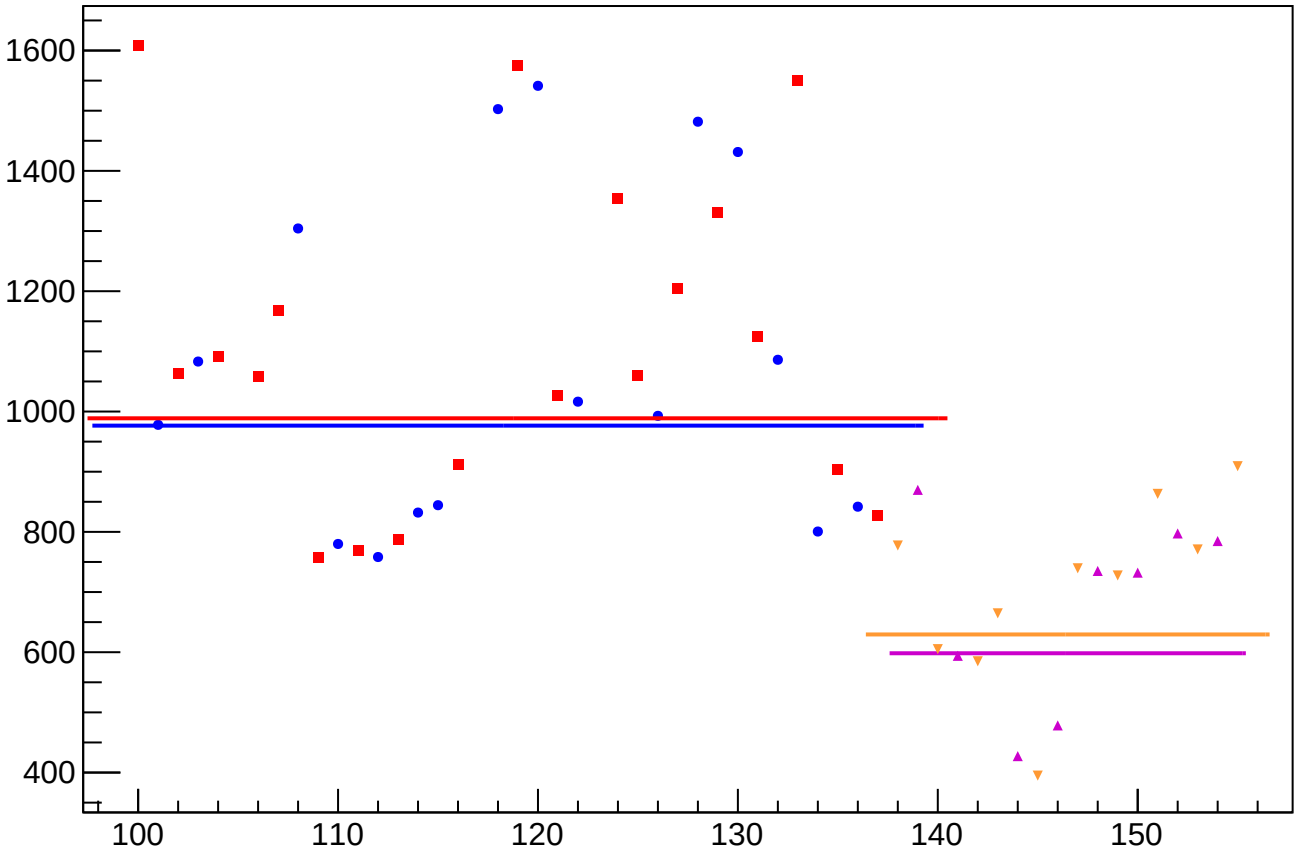
Left: -458.007+/-165.769 χ^2/NDF: 48.2/17

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -74.888+/-199.099 χ^2/NDF:31.8/23

Out: -462.031+/-198.064 χ^2/NDF:62.3/28

All: -269.468+/-140.417 χ^2/NDF: 96.0/52



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 629.519+/-0.165 χ^2/NDF:1024476.6/9

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 598.265+/-0.166 χ^2/NDF:872501.8/7

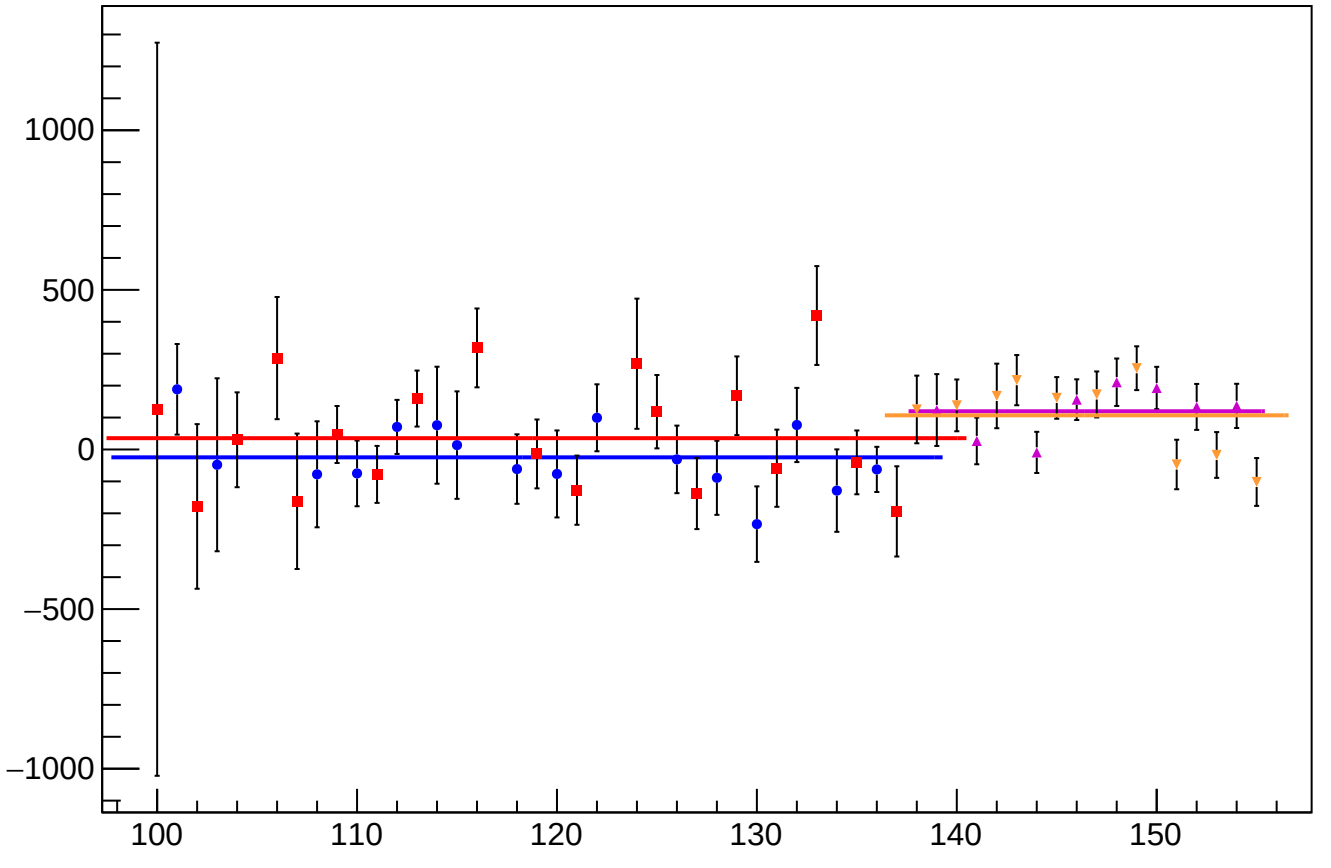
Left: 613.959+/-0.117 χ^2/NDF: 1914751.7/17

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 704.890+/-0.141 χ^2/NDF:3070718.8/23

Out: 731.227+/-0.140 χ^2/NDF:3075591.7/28

All: 718.127+/-0.099 χ^2/NDF: 6163899.6/52



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 106.960+/-24.399 χ^2/NDF:23.4/9

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 119.716+/-25.295 χ^2/NDF:8.7/7

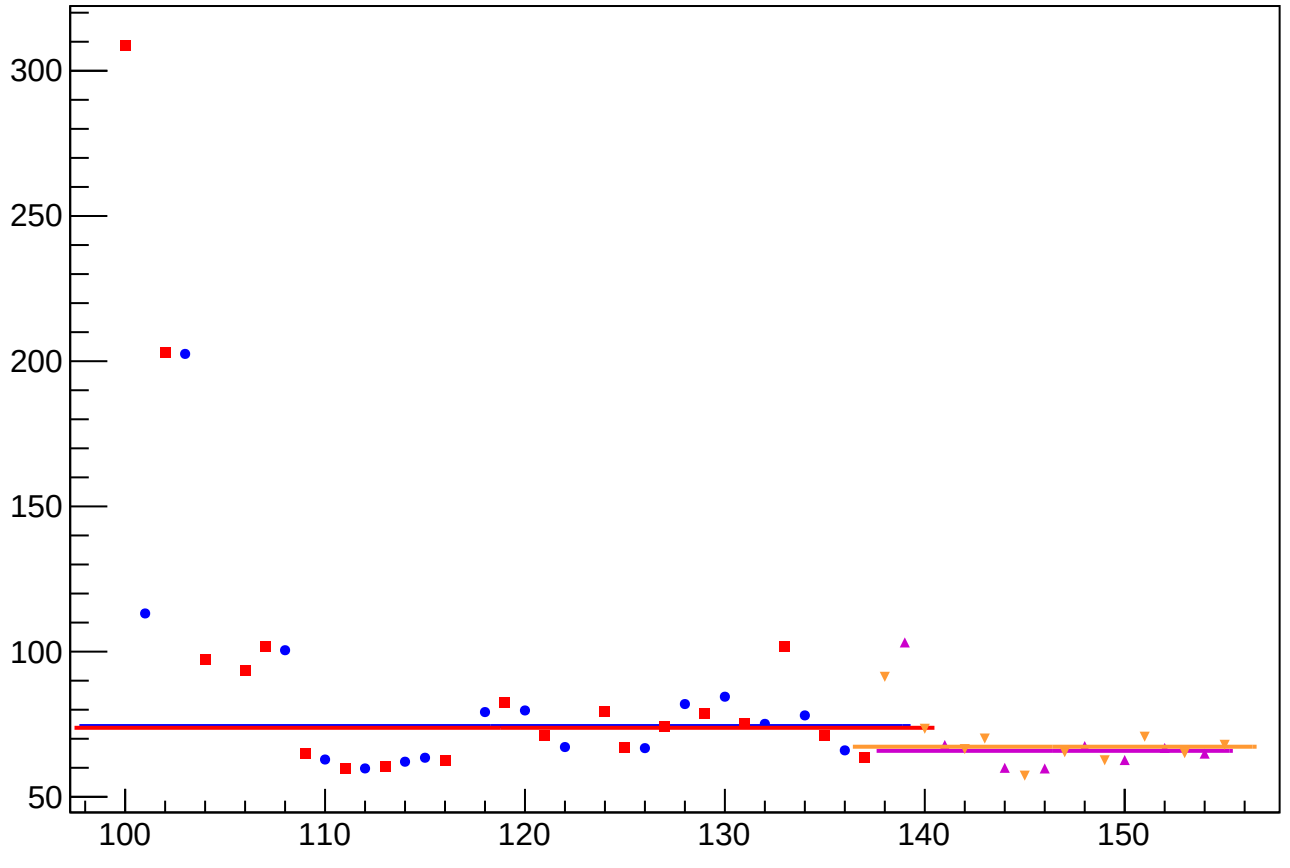
Left: 113.108+/-17.561 χ^2/NDF: 32.2/17

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 57.128+/-19.038 χ^2/NDF:33.9/23

Out: 76.635+/-18.523 χ^2/NDF:57.0/28

All: 67.149+/-13.276 χ^2/NDF: 91.4/52



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.260+/-0.017 χ^2/NDF:180896.2/9

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.841+/-0.018 χ^2/NDF:262435.8/7

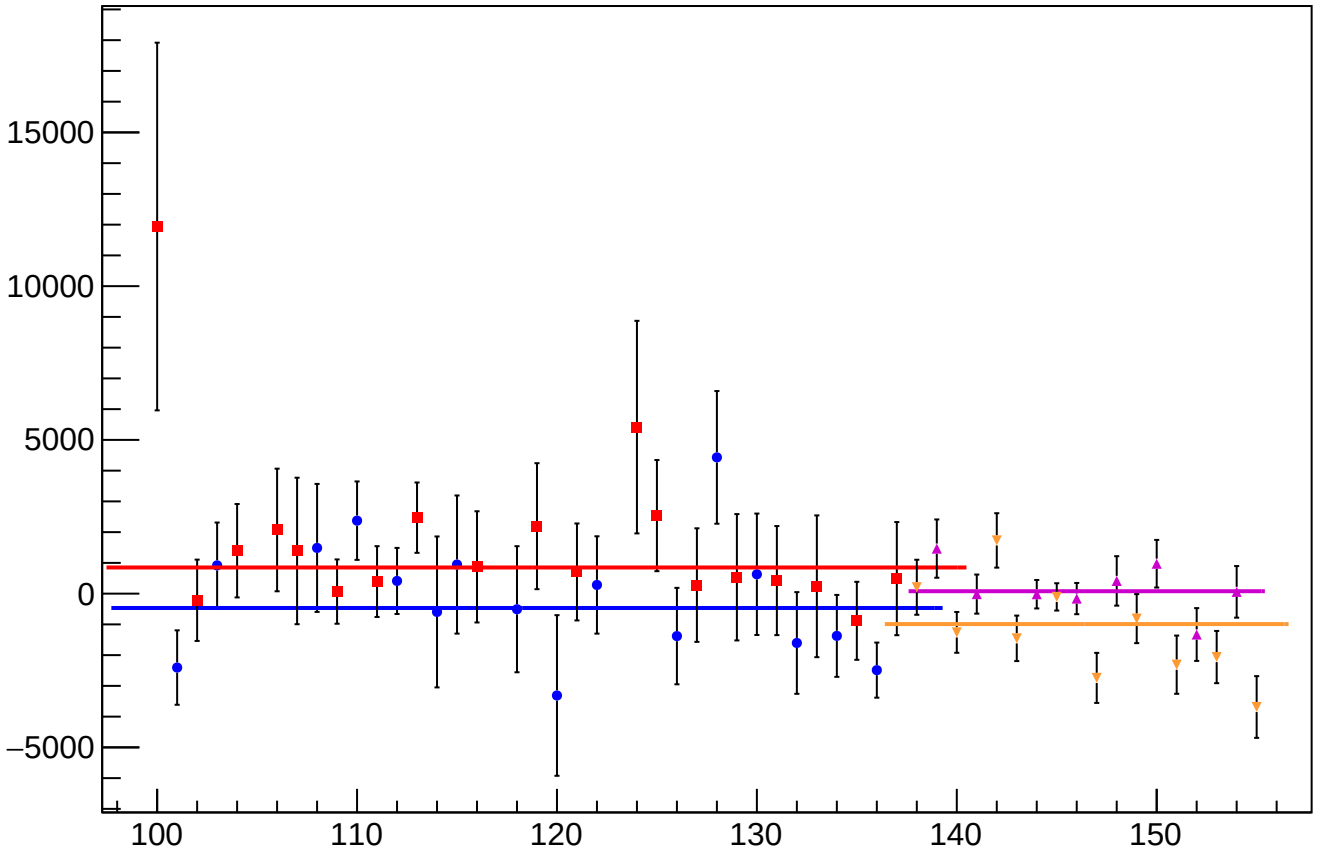
Left: 66.576+/-0.012 χ^2/NDF: 446592.0/17

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 69.539+/-0.013 χ^2/NDF:1188570.0/23

Out: 70.020+/-0.013 χ^2/NDF:1169432.6/28

All: 69.786+/-0.009 χ^2/NDF: 2358658.2/52



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -990.196+/-233.927 χ^2/NDF:31.2/9

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 78.812+/-234.941 χ^2/NDF:6.6/7

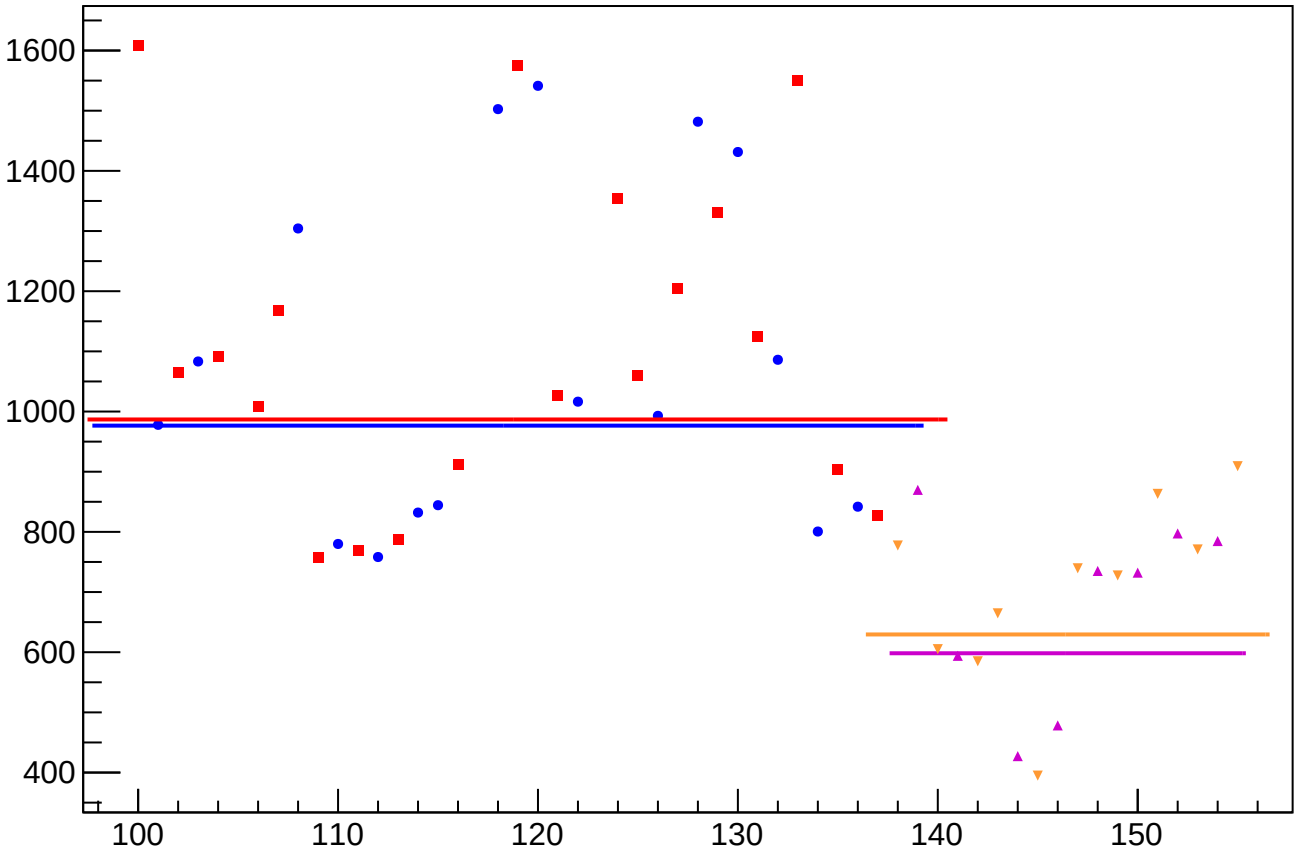
Left: -458.003+/-165.769 χ^2/NDF: 48.2/17

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -74.881+/-199.099 χ^2/NDF:31.8/23

Out: -470.700+/-198.192 χ^2/NDF:61.3/28

All: -273.694+/-140.463 χ^2/NDF: 95.1/52



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 629.518+/-0.165 χ^2/NDF:1024476.7/9

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 598.265+/-0.166 χ^2/NDF:872504.0/7

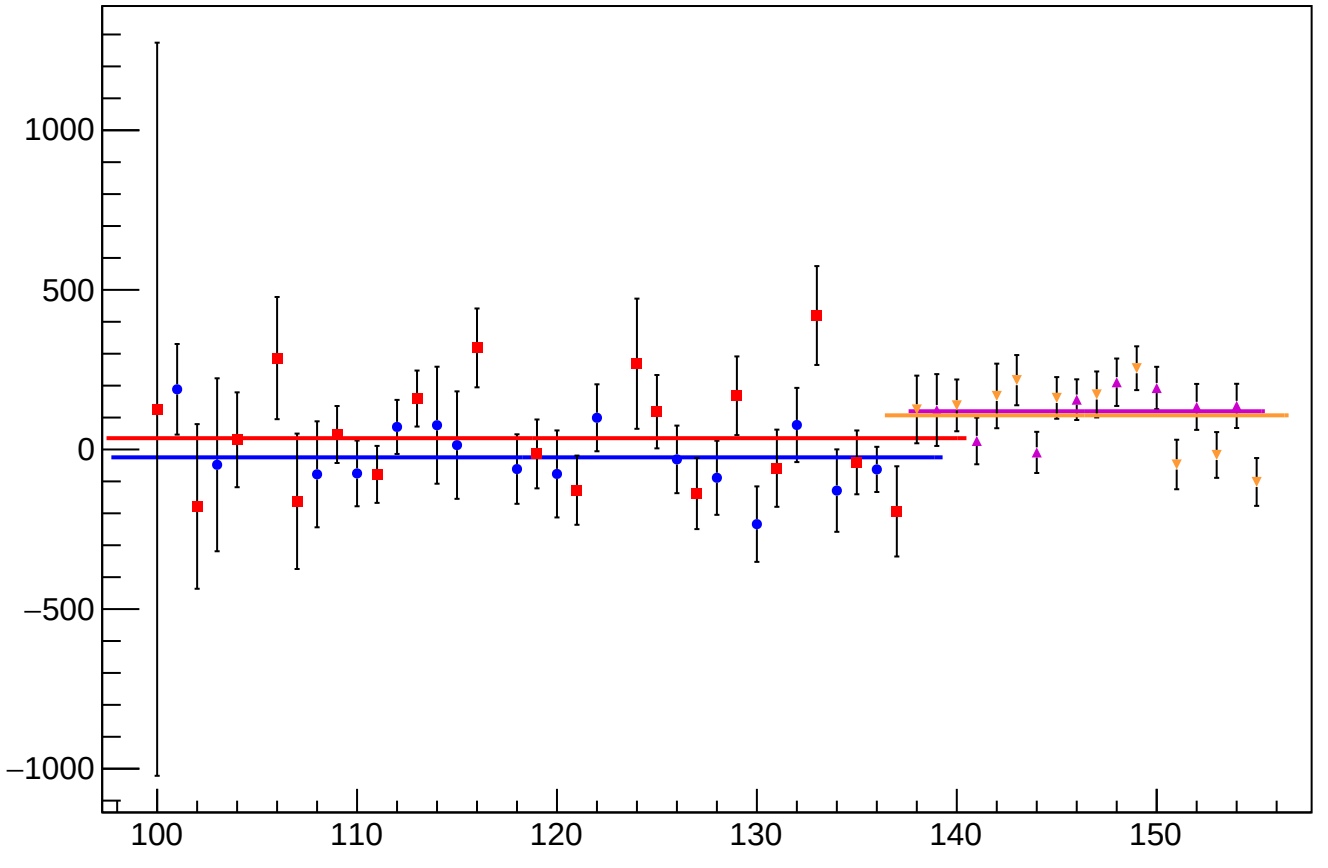
Left: 613.959+/-0.117 χ^2/NDF: 1914753.8/17

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 704.891+/-0.141 χ^2/NDF:3070775.1/23

Out: 730.346+/-0.140 χ^2/NDF:3054490.3/28

All: 717.677+/-0.099 χ^2/NDF: 6141685.8/52



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 106.960+/-24.399 χ^2/NDF:23.4/9

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 119.716+/-25.295 χ^2/NDF:8.7/7

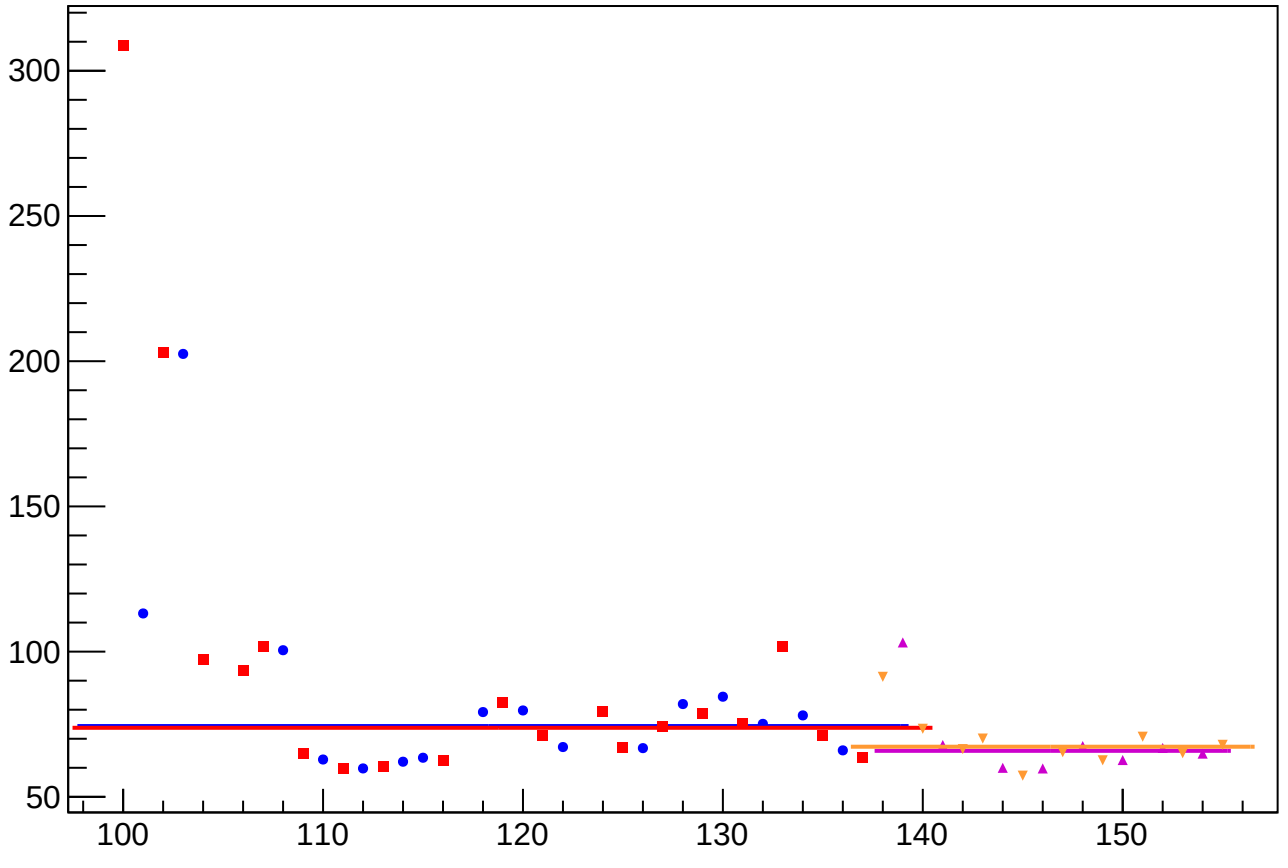
Left: 113.108+/-17.561 χ^2/NDF: 32.2/17

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 57.128+/-19.038 χ^2/NDF:33.9/23

Out: 76.635+/-18.523 χ^2/NDF:57.0/28

All: 67.149+/-13.276 χ^2/NDF: 91.4/52



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.260+/-0.017 χ^2/NDF:180896.2/9

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.841+/-0.018 χ^2/NDF:262435.8/7

Left: 66.576+/-0.012 χ^2/NDF: 446592.0/17

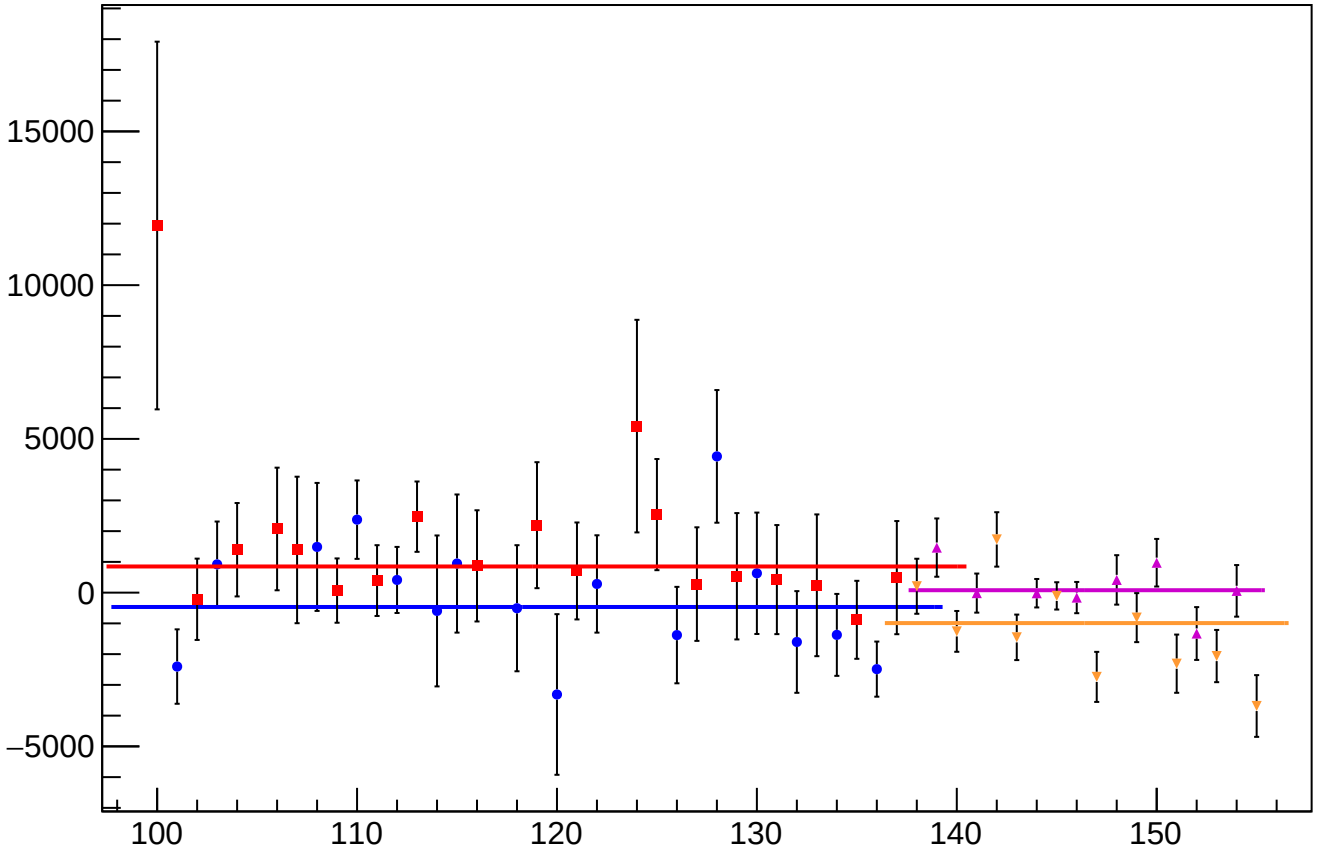
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 69.539+/-0.013 χ^2/NDF:1188570.0/23

Out: 70.020+/-0.013 χ^2/NDF:1169432.6/28

All: 69.786+/-0.009 χ^2/NDF: 2358658.2/52

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: -990.196+/-233.927 χ^2/NDF:31.2/9

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 78.812+/-234.941 χ^2/NDF:6.6/7

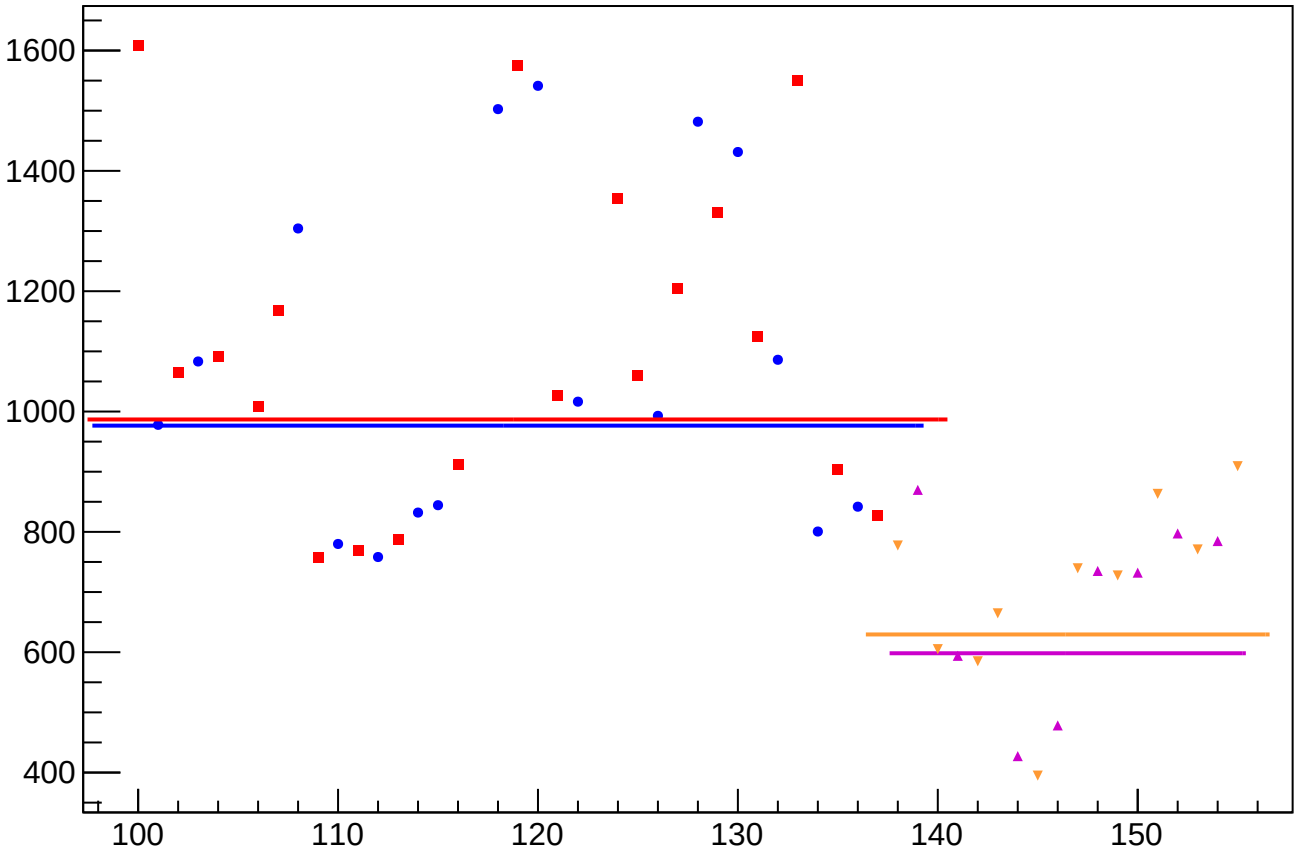
Left: -458.003+/-165.769 χ^2/NDF: 48.2/17

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -74.881+/-199.099 χ^2/NDF:31.8/23

Out: -470.700+/-198.192 χ^2/NDF:61.3/28

All: -273.694+/-140.463 χ^2/NDF: 95.1/52



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 629.518+/-0.165 χ^2/NDF:1024476.7/9

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 598.265+/-0.166 χ^2/NDF:872504.0/7

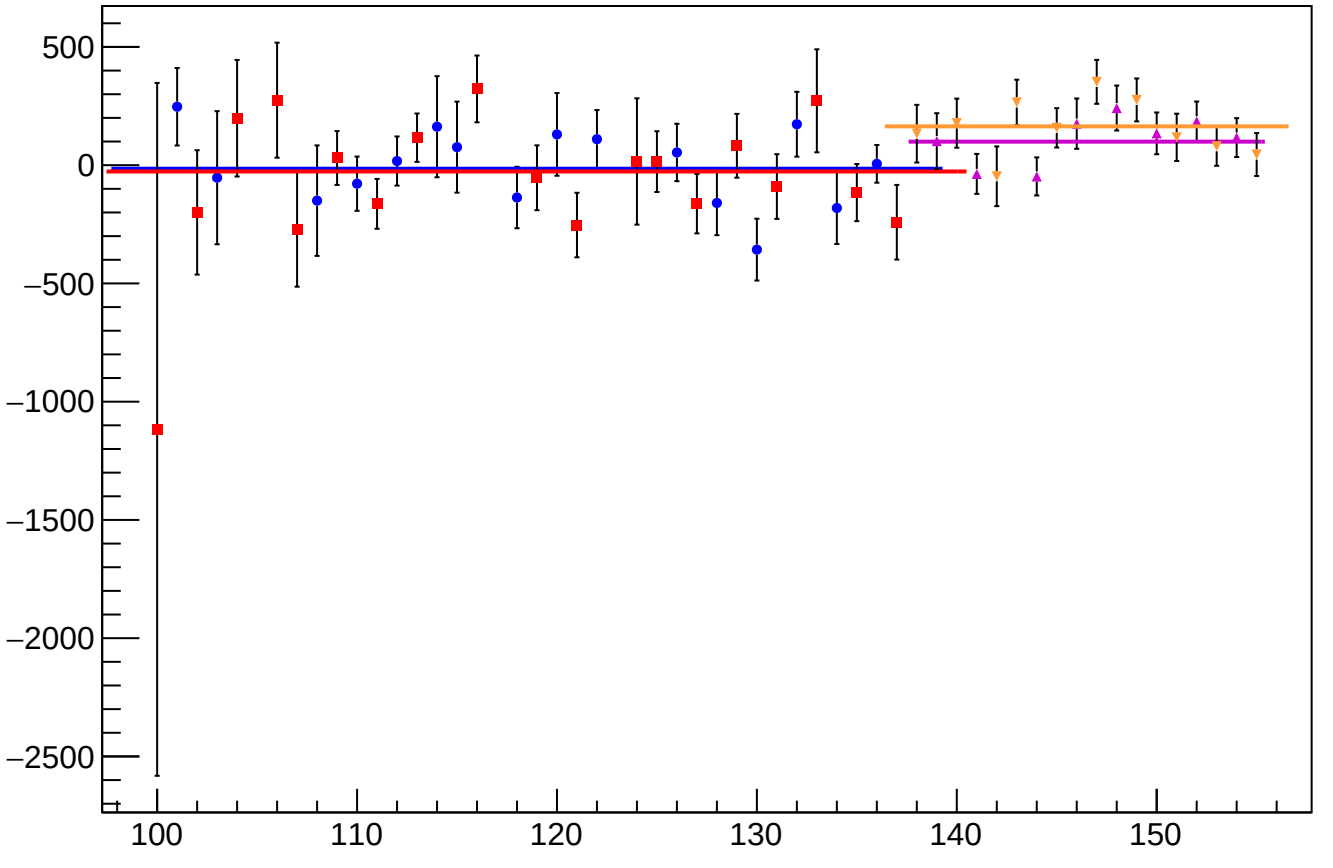
Left: 613.959+/-0.117 χ^2/NDF: 1914753.8/17

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 704.891+/-0.141 χ^2/NDF:3070775.1/23

Out: 730.346+/-0.140 χ^2/NDF:3054490.3/28

All: 717.677+/-0.099 χ^2/NDF: 6141685.8/52



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 164.169+/-30.423 χ^2/NDF:12.6/9

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 99.551+/-31.895 χ^2/NDF:9.9/7

Left: 133.385+/-22.014 χ^2/NDF: 24.7/17

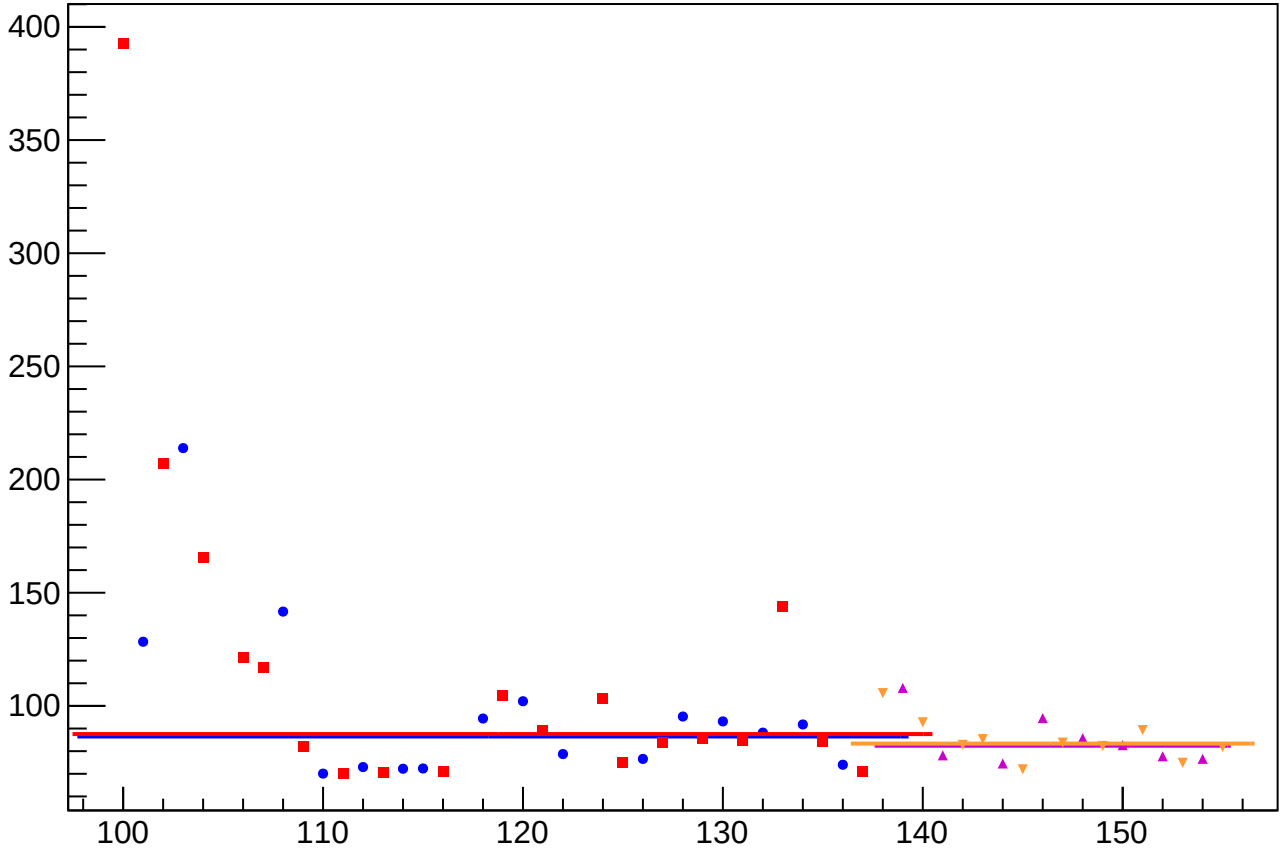
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 45.550+/-23.185 χ^2/NDF:34.3/23

Out: 79.522+/-22.693 χ^2/NDF:53.6/28

All: 62.900+/-16.218 χ^2/NDF: 89.0/52

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 83.352+/-0.022 χ^2/NDF:150573.3/9

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 82.405+/-0.023 χ^2/NDF:162734.7/7

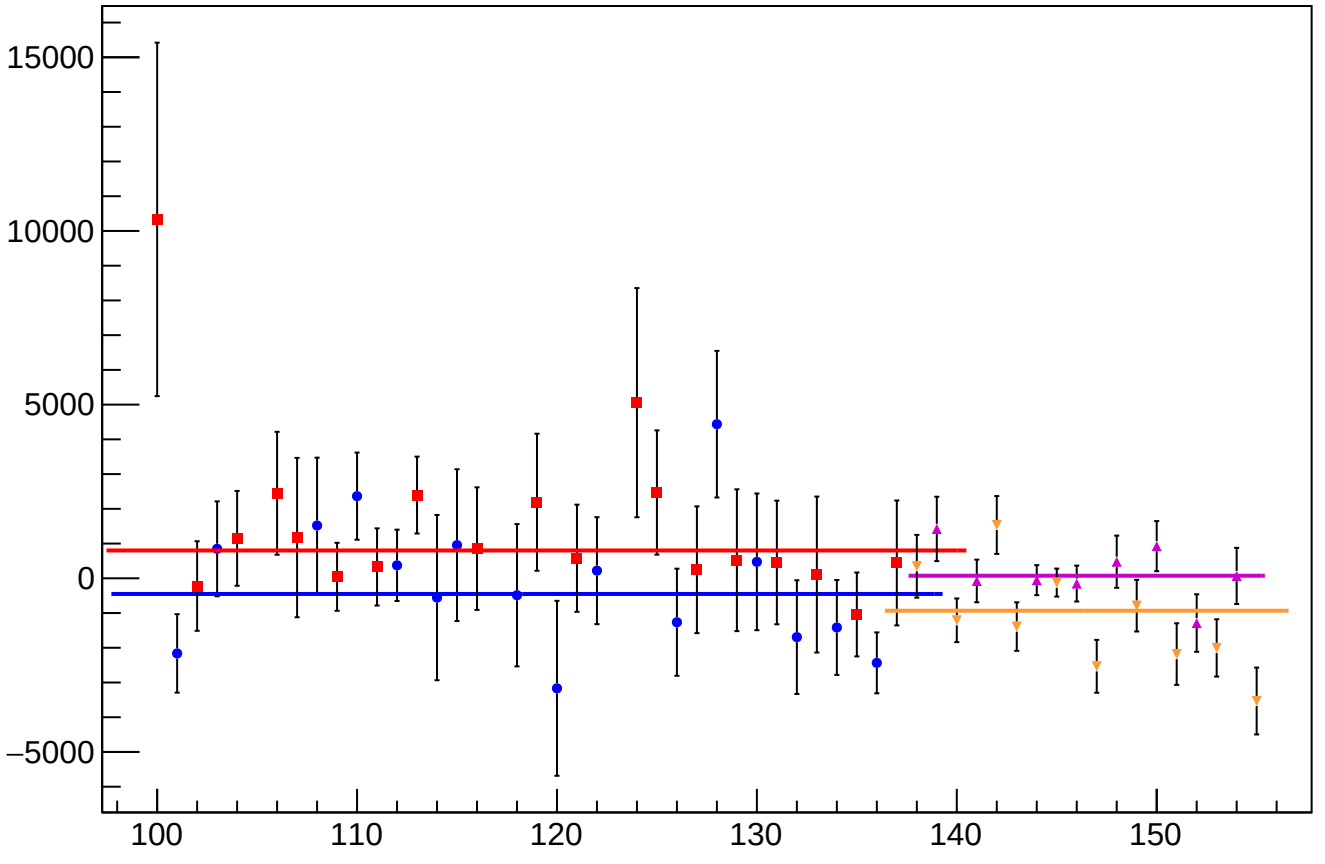
Left: 82.901+/-0.016 χ^2/NDF: 314230.6/17

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 84.331+/-0.016 χ^2/NDF:1034456.6/23

Out: 85.216+/-0.016 χ^2/NDF:1297298.5/28

All: 84.783+/-0.011 χ^2/NDF: 2333243.4/52



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -933.275+/-219.533 χ^2/NDF:30.9/9

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 74.028+/-225.977 χ^2/NDF:6.8/7

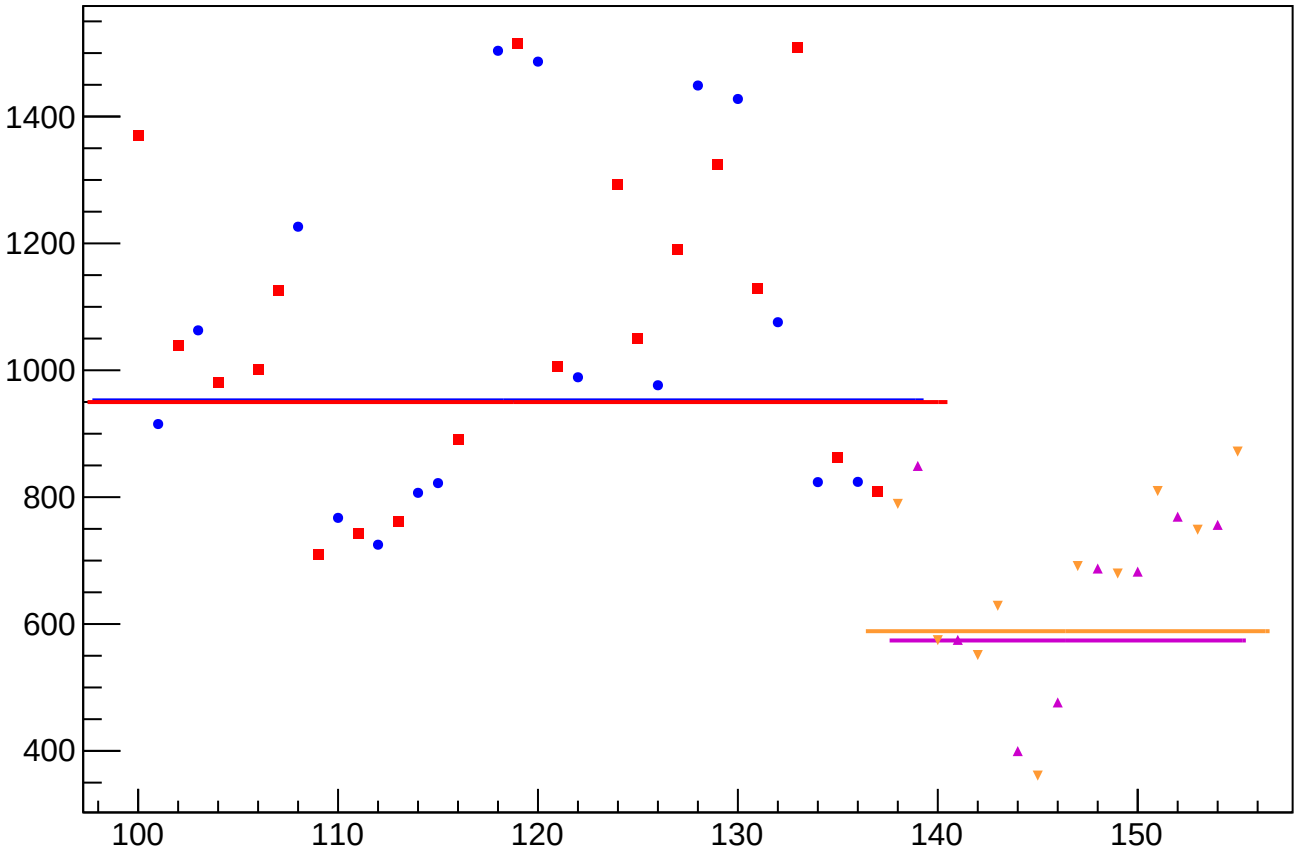
Left: -444.189+/-157.462 χ^2/NDF: 47.9/17

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -71.210+/-192.223 χ^2/NDF:32.1/23

Out: -459.023+/-187.129 χ^2/NDF:61.6/28

All: -270.323+/-134.085 χ^2/NDF: 95.7/52



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 588.715+/-0.155 χ^2/NDF:1186305.6/9

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 574.061+/-0.160 χ^2/NDF:876297.6/7

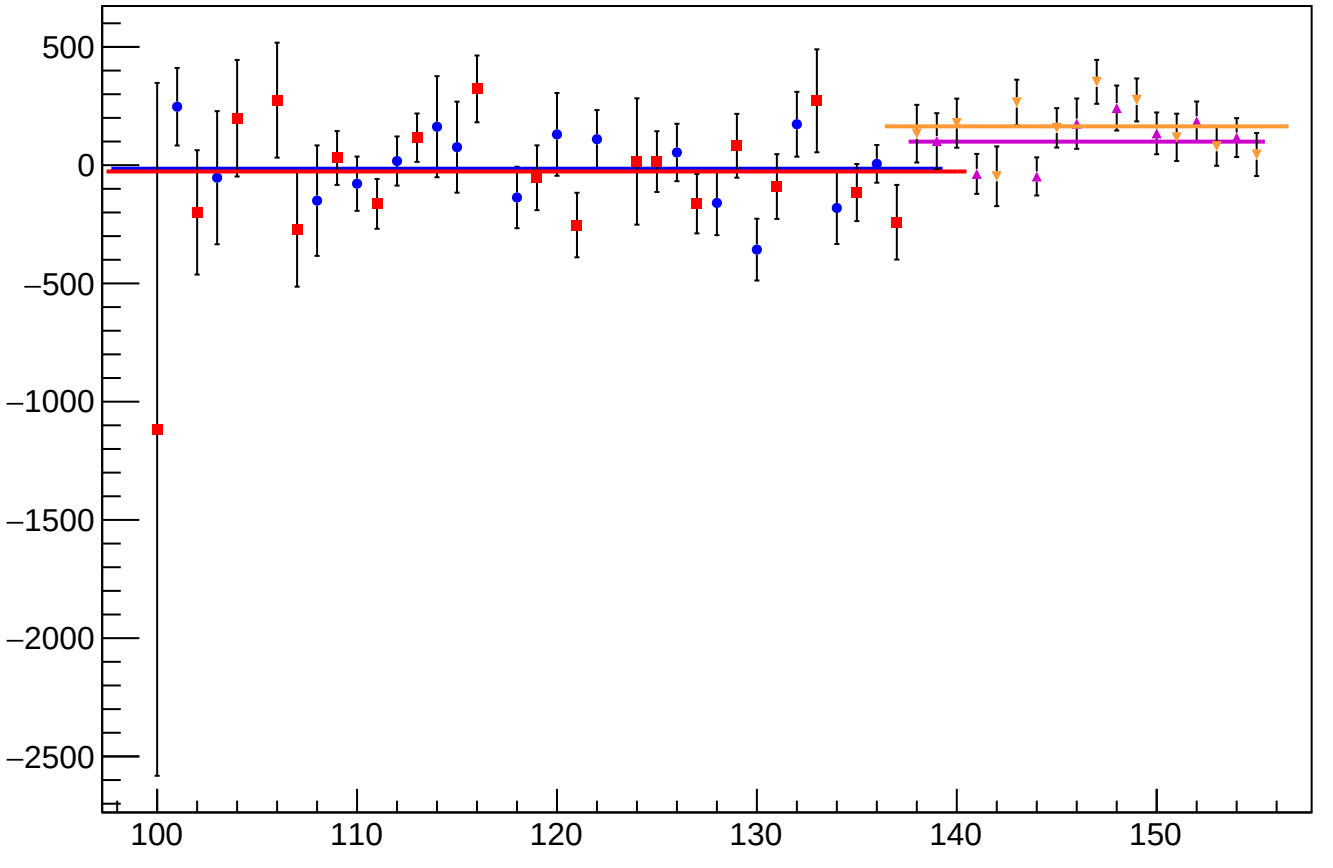
Left: 581.600+/-0.111 χ^2/NDF: 2066929.9/17

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 678.686+/-0.136 χ^2/NDF:3173585.3/23

Out: 687.470+/-0.132 χ^2/NDF:3418143.0/28

All: 683.196+/-0.095 χ^2/NDF: 6593872.3/52



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 164.170+/-30.423 χ^2/NDF:12.6/9

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 99.551+/-31.895 χ^2/NDF:9.9/7

Left: 133.386+/-22.014 χ^2/NDF: 24.7/17

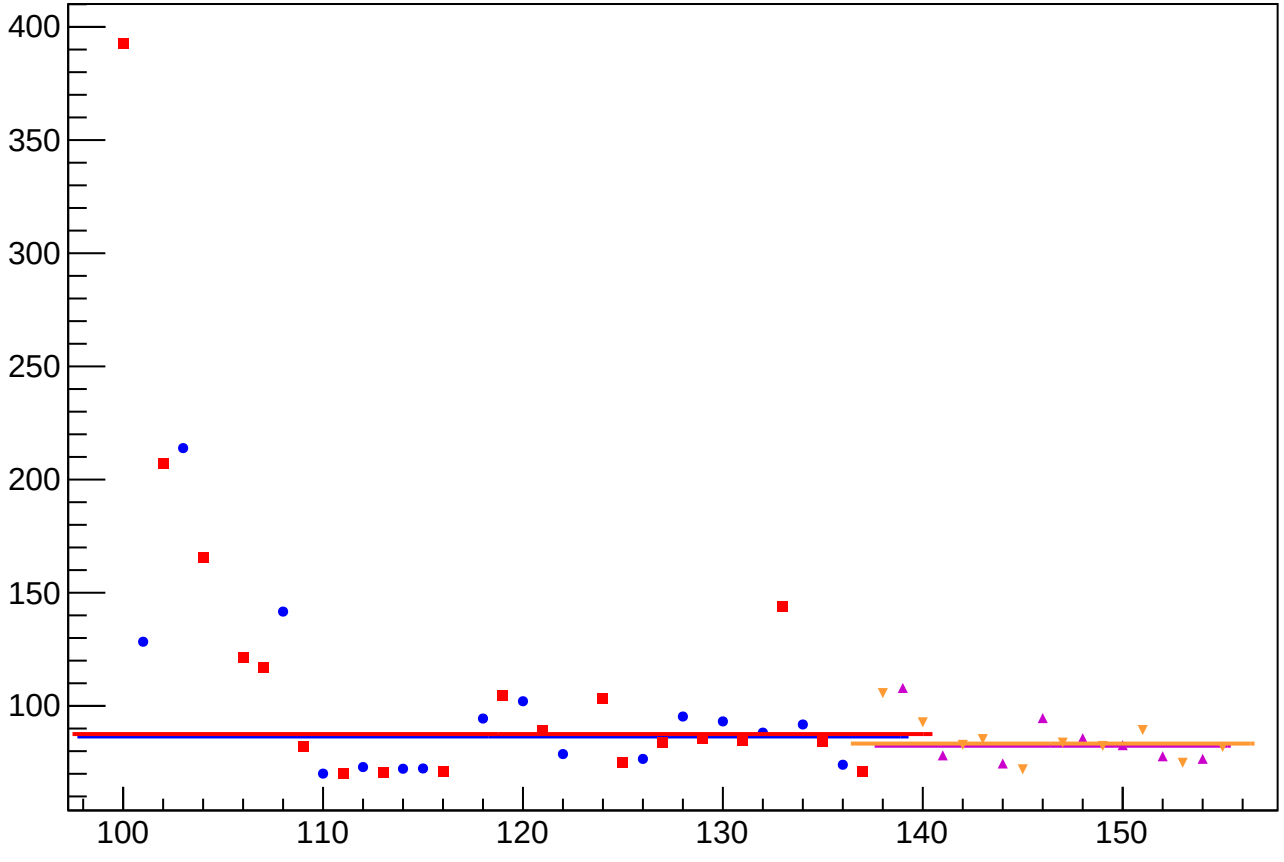
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 45.550+/-23.185 χ^2/NDF:34.3/23

Out: 79.522+/-22.693 χ^2/NDF:53.6/28

All: 62.900+/-16.218 χ^2/NDF: 89.0/52

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 83.352+/-0.022 χ^2/NDF:150570.5/9

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 82.405+/-0.023 χ^2/NDF:162728.7/7

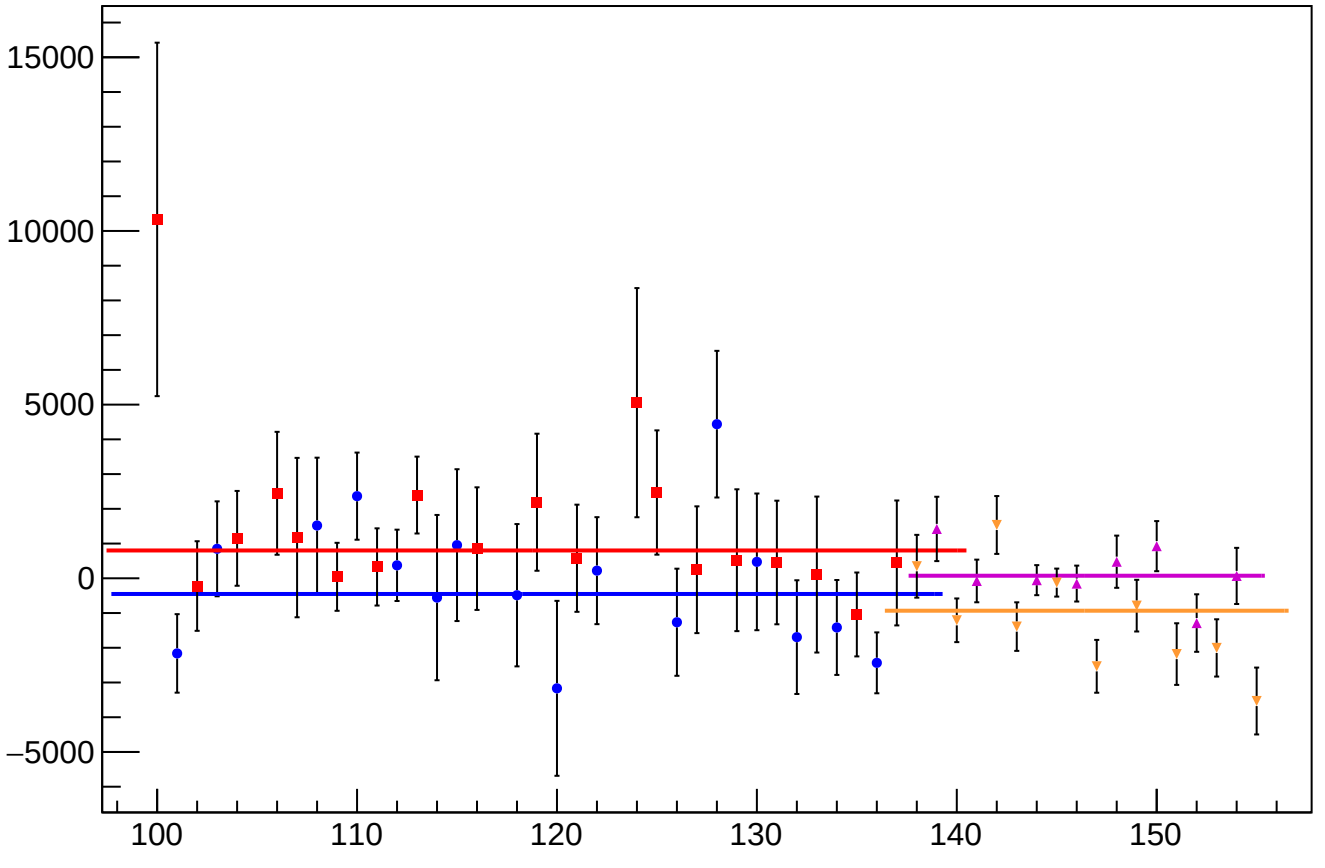
Left: 82.901+/-0.016 χ^2/NDF: 314222.0/17

Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 84.331+/-0.016 χ^2/NDF:1034441.7/23

Out: 85.217+/-0.016 χ^2/NDF:1297292.8/28

All: 84.783+/-0.011 χ^2/NDF: 2333223.2/52



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -933.276+/-219.533 χ^2/NDF:30.9/9

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 74.028+/-225.977 χ^2/NDF:6.8/7

Left: -444.190+/-157.462 χ^2/NDF: 47.9/17

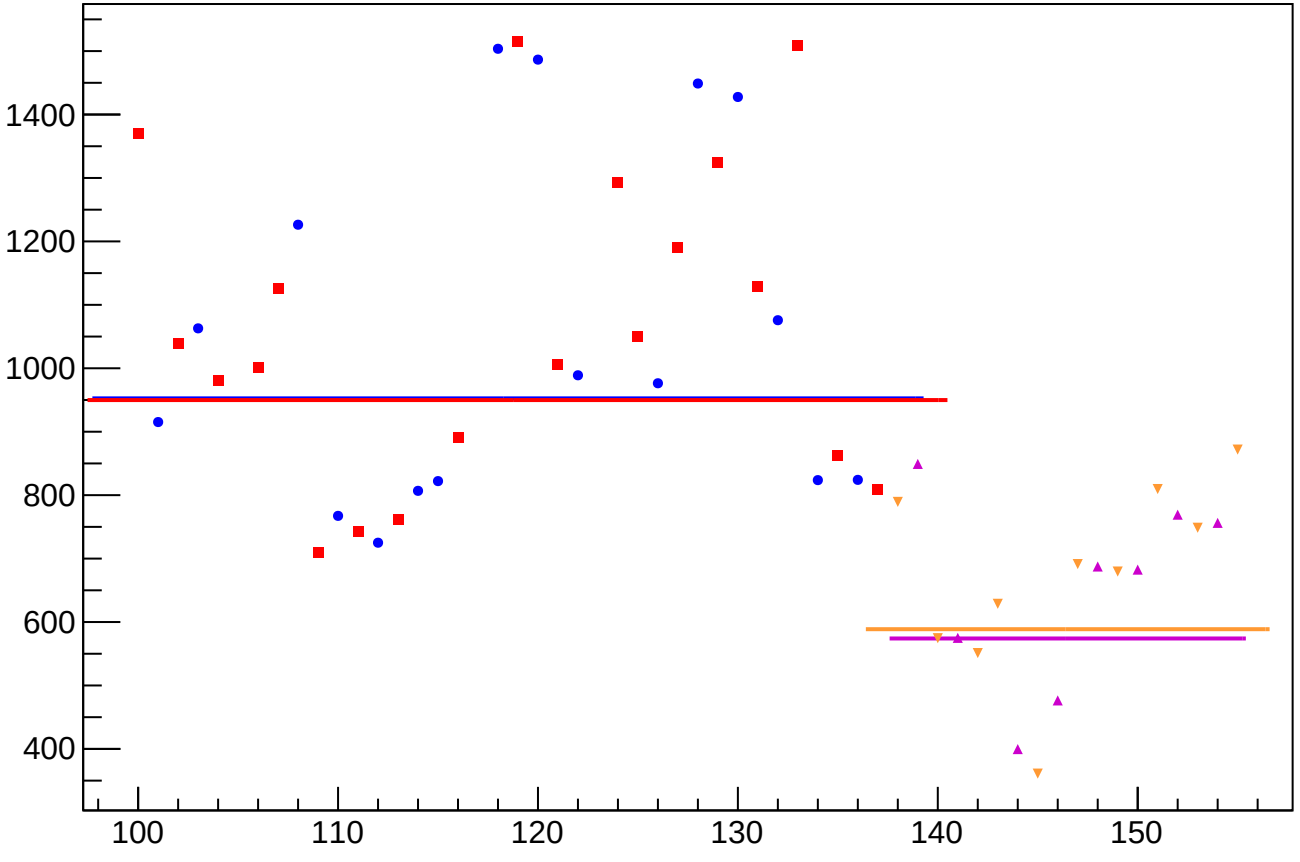
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -71.210+/-192.222 χ^2/NDF:32.1/23

Out: -459.023+/-187.128 χ^2/NDF:61.6/28

All: -270.323+/-134.084 χ^2/NDF: 95.7/52

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: 588.714+/-0.155 χ^2/NDF:1186307.0/9

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 574.060+/-0.160 χ^2/NDF:876297.9/7

Left: 581.599+/-0.111 χ^2/NDF: 2066931.5/17

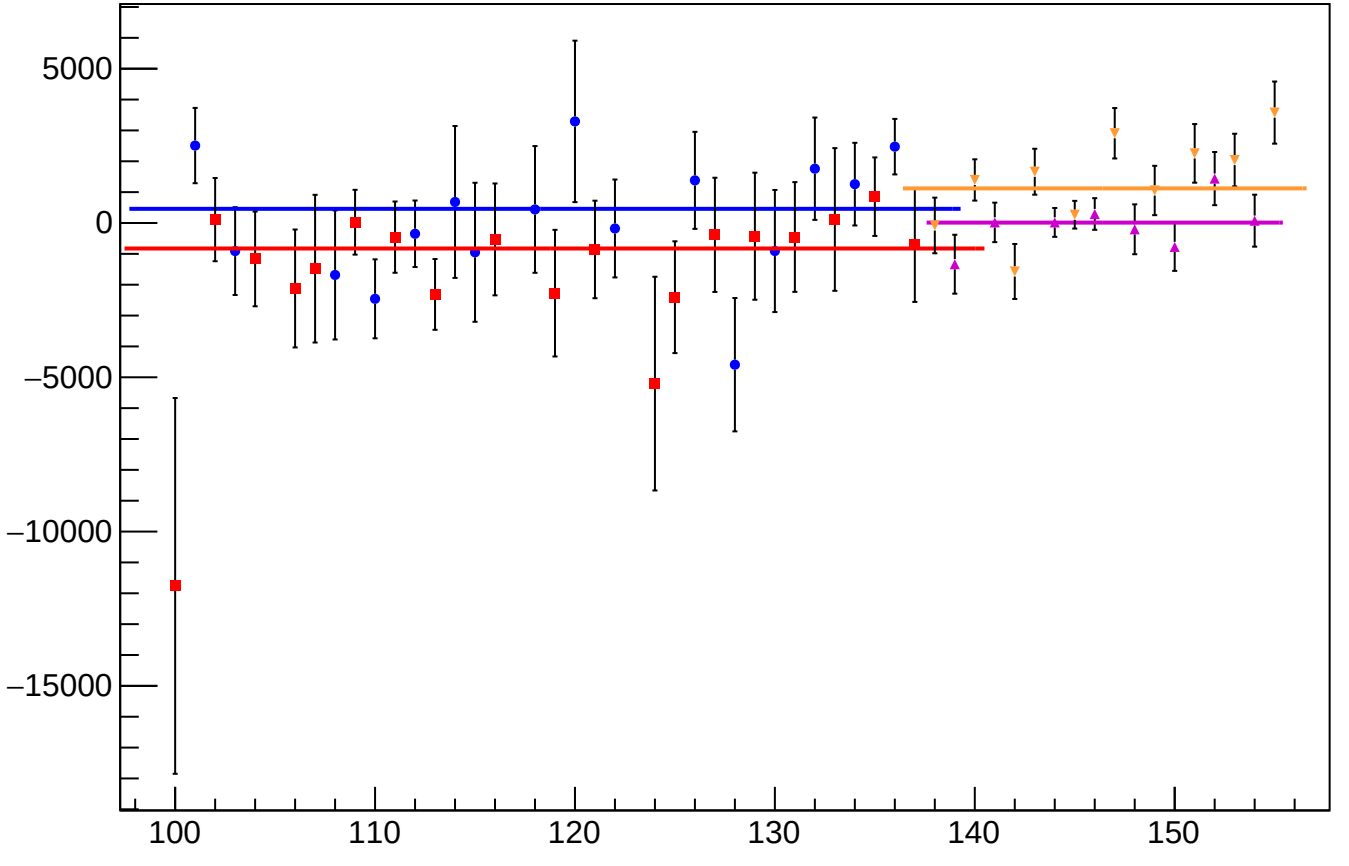
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 678.686+/-0.136 χ^2/NDF:3173582.7/23

Out: 687.469+/-0.132 χ^2/NDF:3418139.8/28

All: 683.195+/-0.095 χ^2/NDF: 6593866.4/52

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 1121.237+/-235.540 χ^2/NDF:28.5/9

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: 12.743+/-236.624 χ^2/NDF:6.1/7

Left: 569.536+/-166.934 χ^2/NDF: 45.7/17

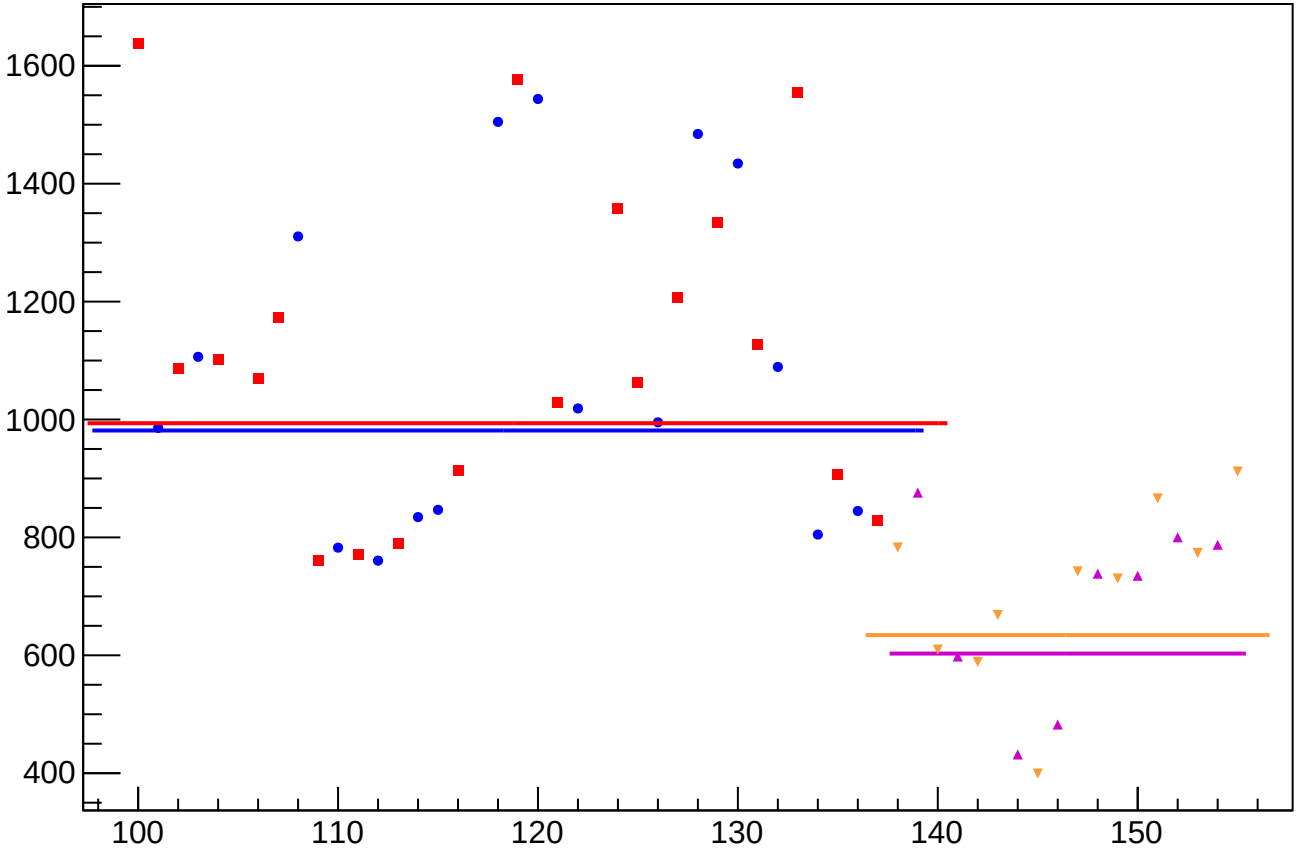
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 138.960+/-200.399 χ^2/NDF:31.7/23

Out: 568.606+/-199.344 χ^2/NDF:59.6/28

All: 354.916+/-141.329 χ^2/NDF: 93.6/52

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 634.310+/-0.167 χ^2/NDF:1002596.8/9

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 602.942+/-0.167 χ^2/NDF:856578.6/7

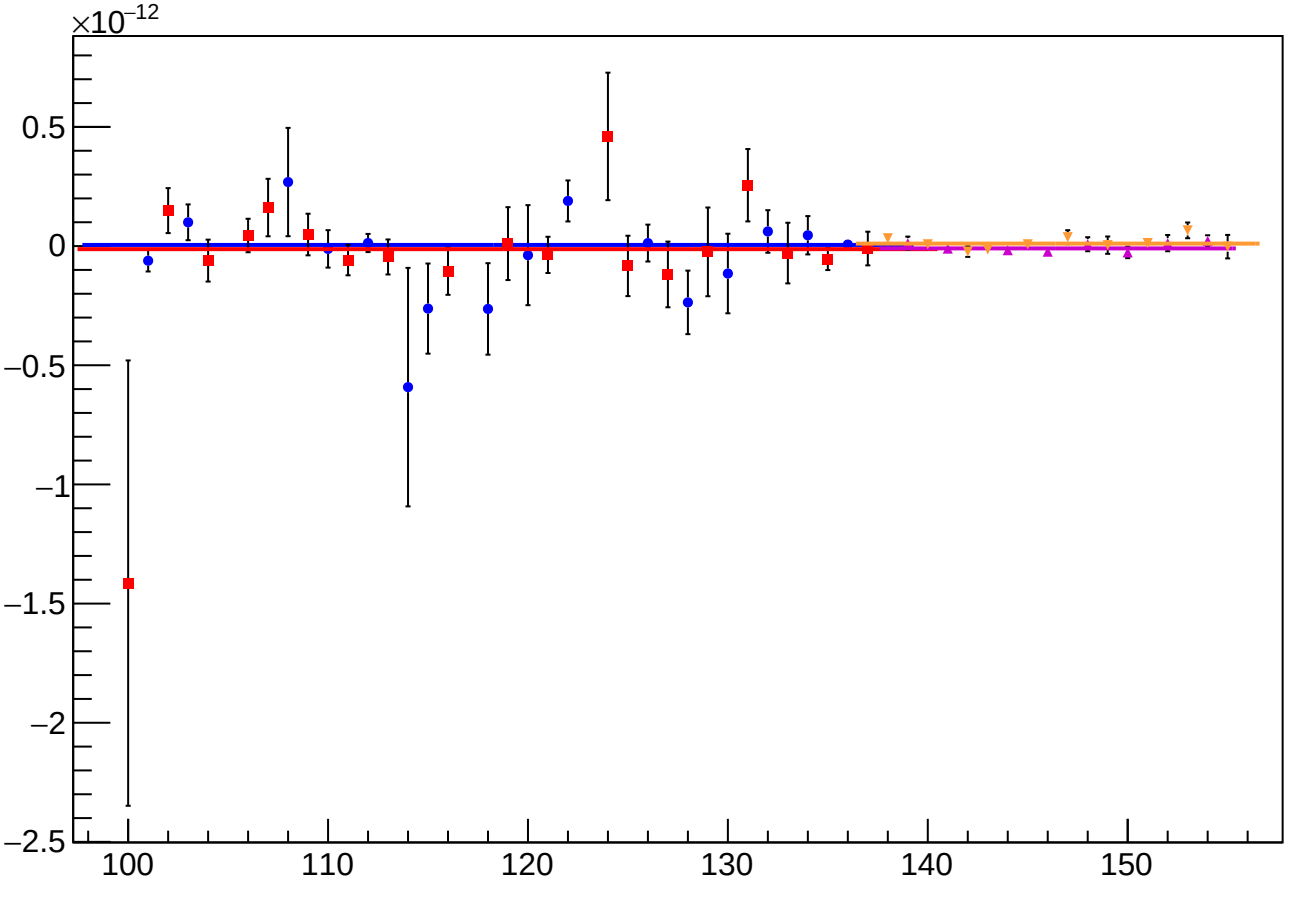
Left: 618.698+/-0.118 χ^2/NDF: 1876828.6/17

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 709.936+/-0.142 χ^2/NDF:3040407.6/23

Out: 736.273+/-0.141 χ^2/NDF:3043373.6/28

All: 723.174+/-0.100 χ^2/NDF: 6101144.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/7

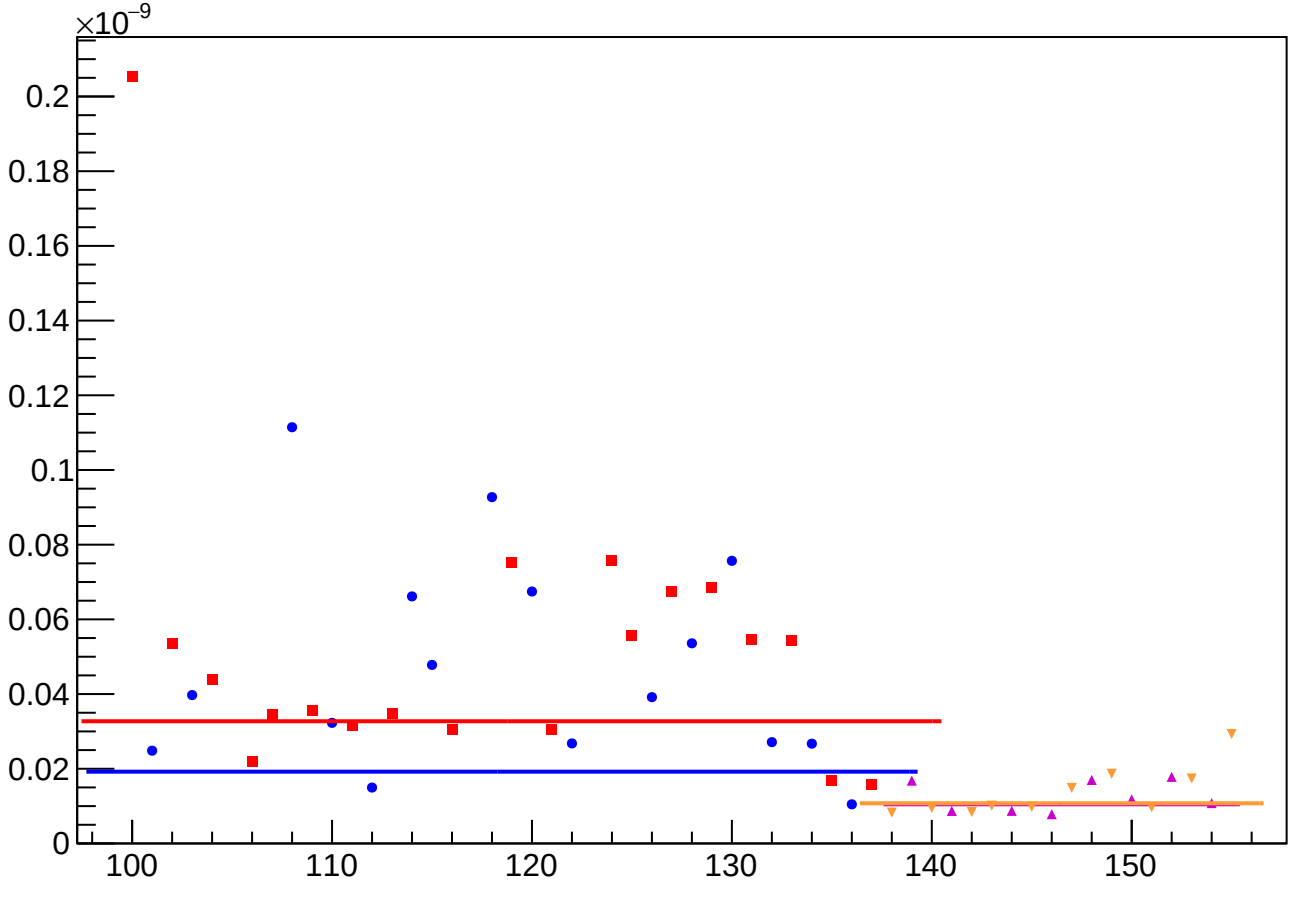
Left: 0.000+/-0.000 χ^2/NDF: 18.0/17

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: -0.000+/-0.000 χ^2/NDF:25.2/23

Out: 0.000+/-0.000 χ^2/NDF:28.8/28

All: 0.000+/-0.000 χ^2/NDF: 56.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:584645.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:411448.3/7

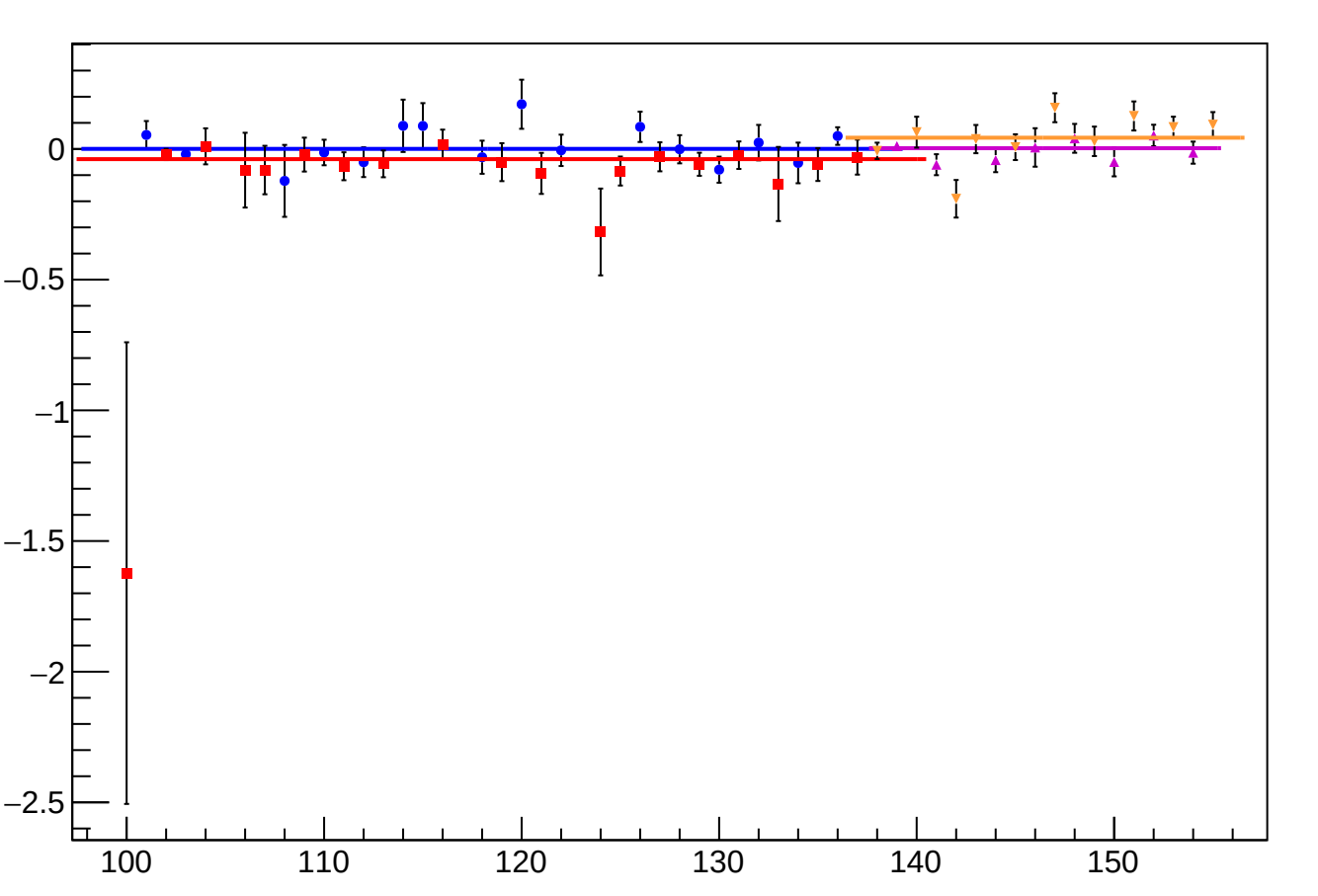
Left: 0.000+/-0.000 χ^2/NDF: 997641.1/17

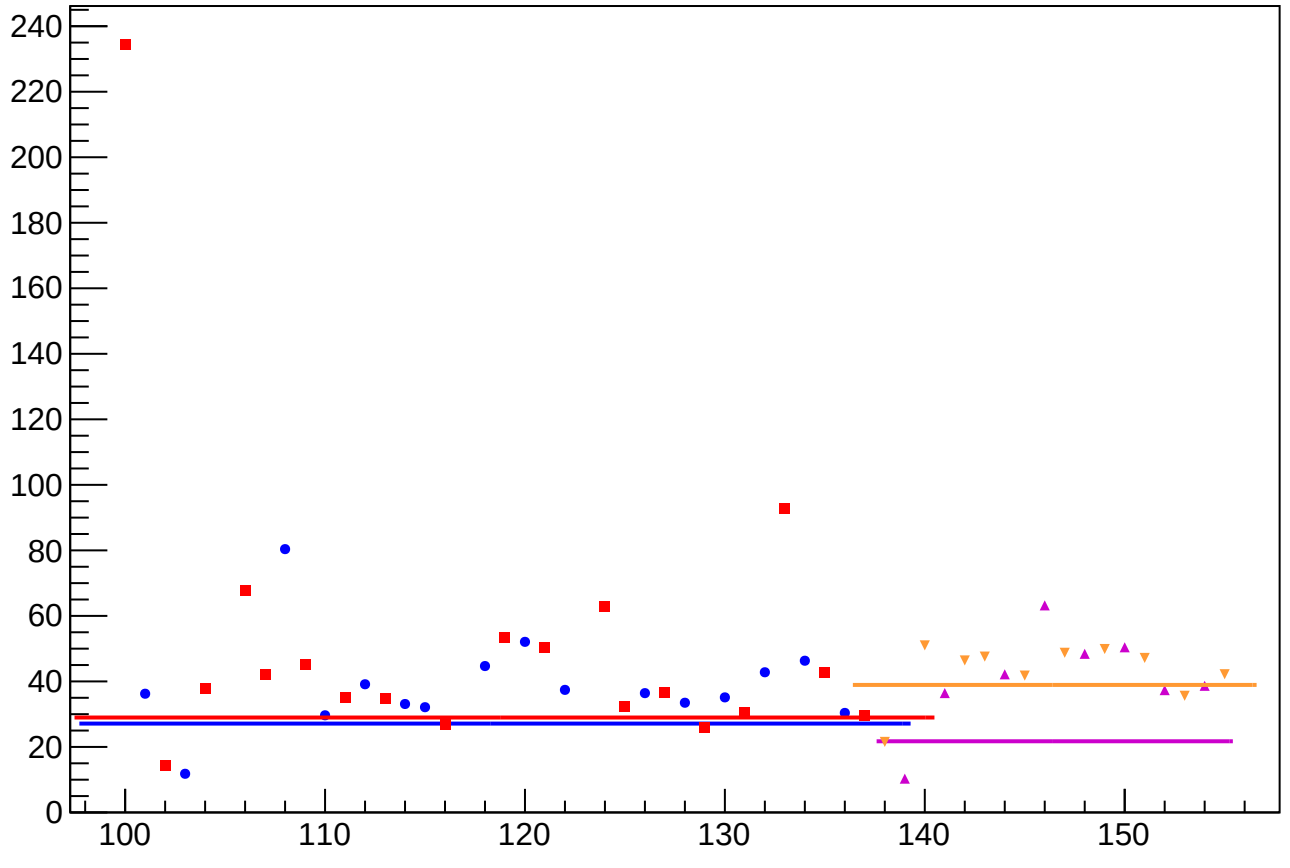
Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:2974722.5/23

Out: 0.000+/-0.000 χ^2/NDF:3778606.7/28

All: 0.000+/-0.000 χ^2/NDF: 6767096.6/52


asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
Right In: 0.000+/-0.012 χ²/NDF: 16.5/15
Left Out: 0.043+/-0.015 χ²/NDF:22.5/9
Right Out: -0.039+/-0.013 χ²/NDF: 11.1/18
Left In: 0.003+/-0.011 χ²/NDF:6.7/7
Left: 0.016+/-0.009 χ²/NDF: 33.8/17
Right: -0.018+/-0.009 χ²/NDF: 32.6/34
In: 0.002+/-0.008 χ²/NDF:23.3/23
Out: -0.006+/-0.010 χ²/NDF:50.6/28
All: -0.001+/-0.006 χ²/NDF: 74.2/52



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 38.929+/-0.011 χ^2/NDF:982032.9/9

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.728+/-0.008 χ^2/NDF:4354295.9/7

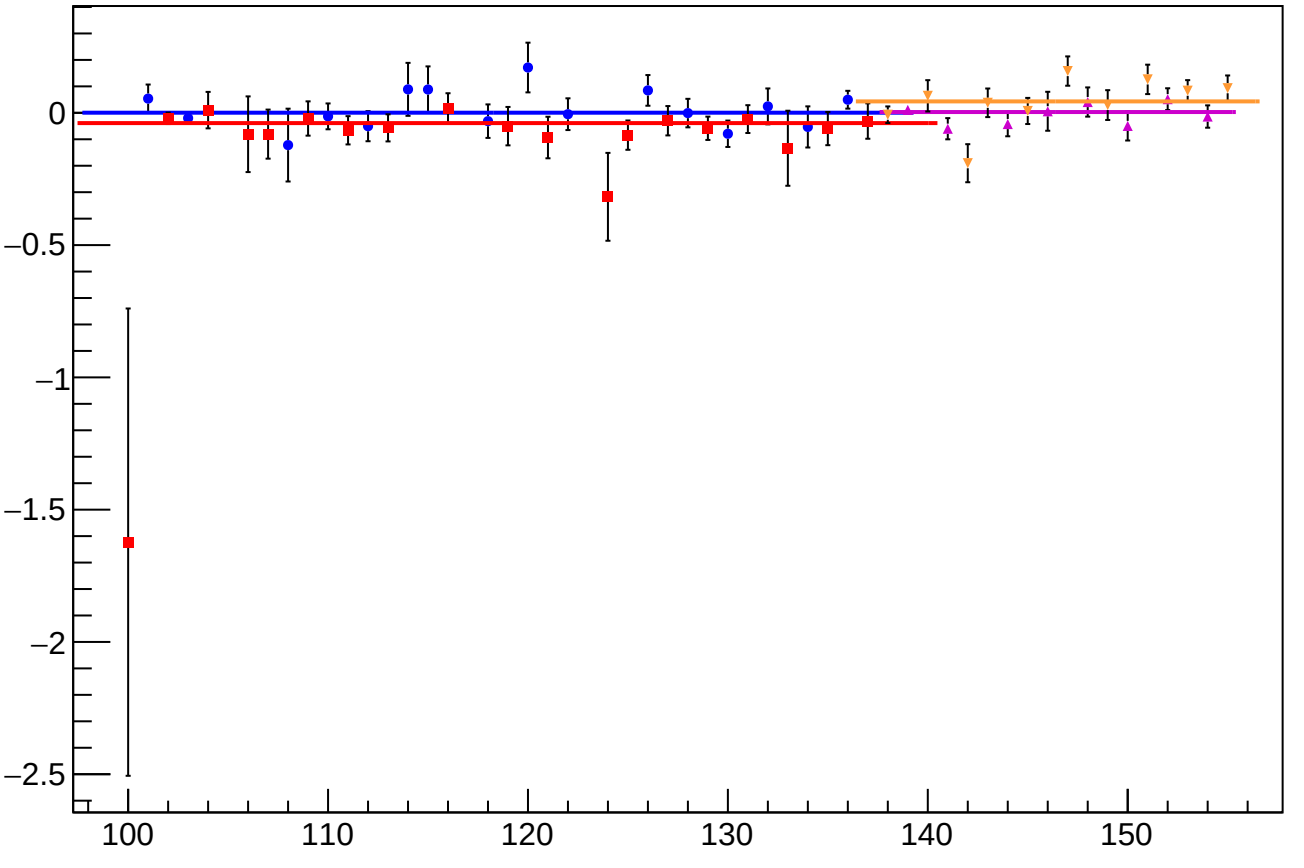
Left: 27.425+/-0.006 χ^2/NDF: 7026665.8/17

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 24.129+/-0.006 χ^2/NDF:6993299.4/23

Out: 33.013+/-0.007 χ^2/NDF:3941071.3/28

All: 27.720+/-0.004 χ^2/NDF: 11925172.9/52



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.043+/-0.015 χ^2/NDF:22.5/9

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.003+/-0.011 χ^2/NDF:6.7/7

Left: 0.016+/-0.009 χ^2/NDF: 33.8/17

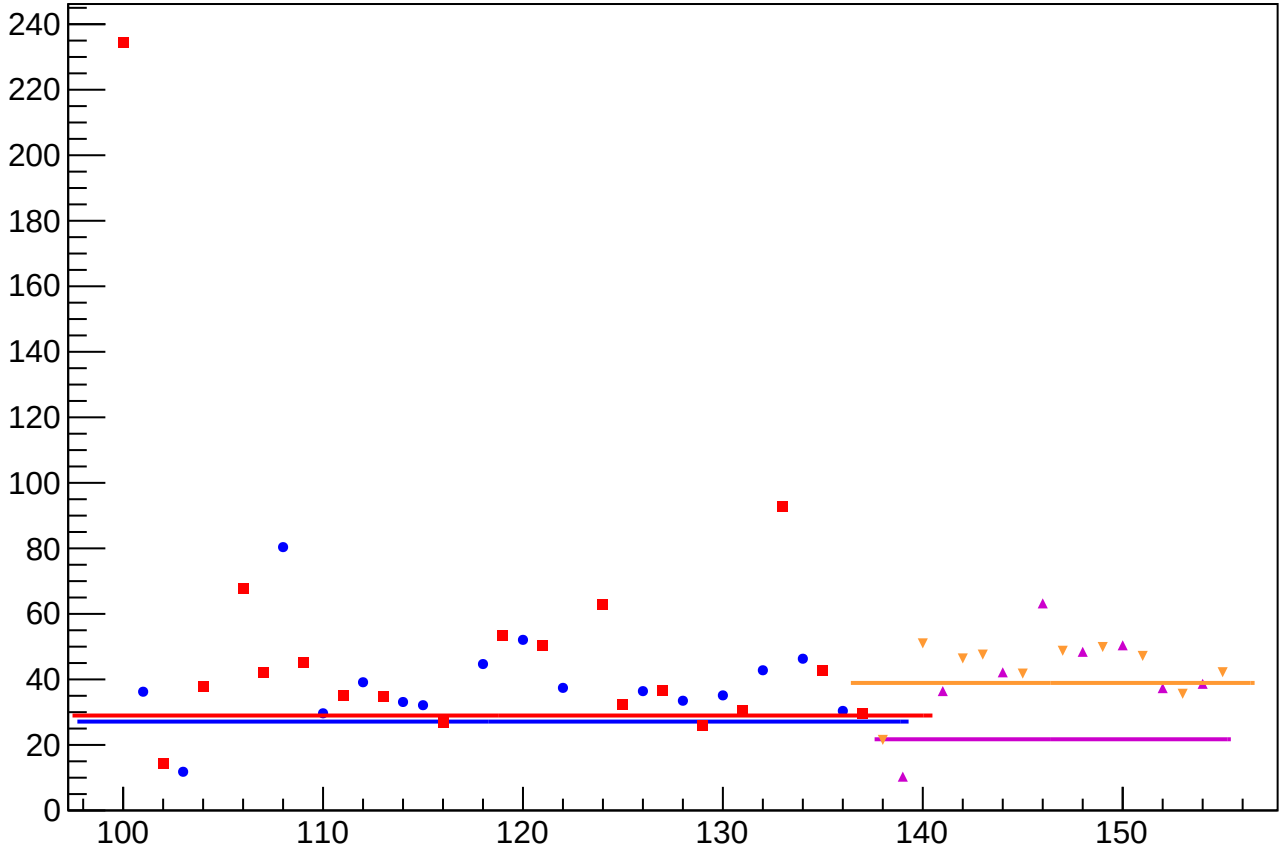
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.3/23

Out: -0.006+/-0.010 χ^2/NDF:50.6/28

All: -0.001+/-0.006 χ^2/NDF: 74.2/52

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 38.929+/-0.011 χ^2/NDF:982032.9/9

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.728+/-0.008 χ^2/NDF:4354295.9/7

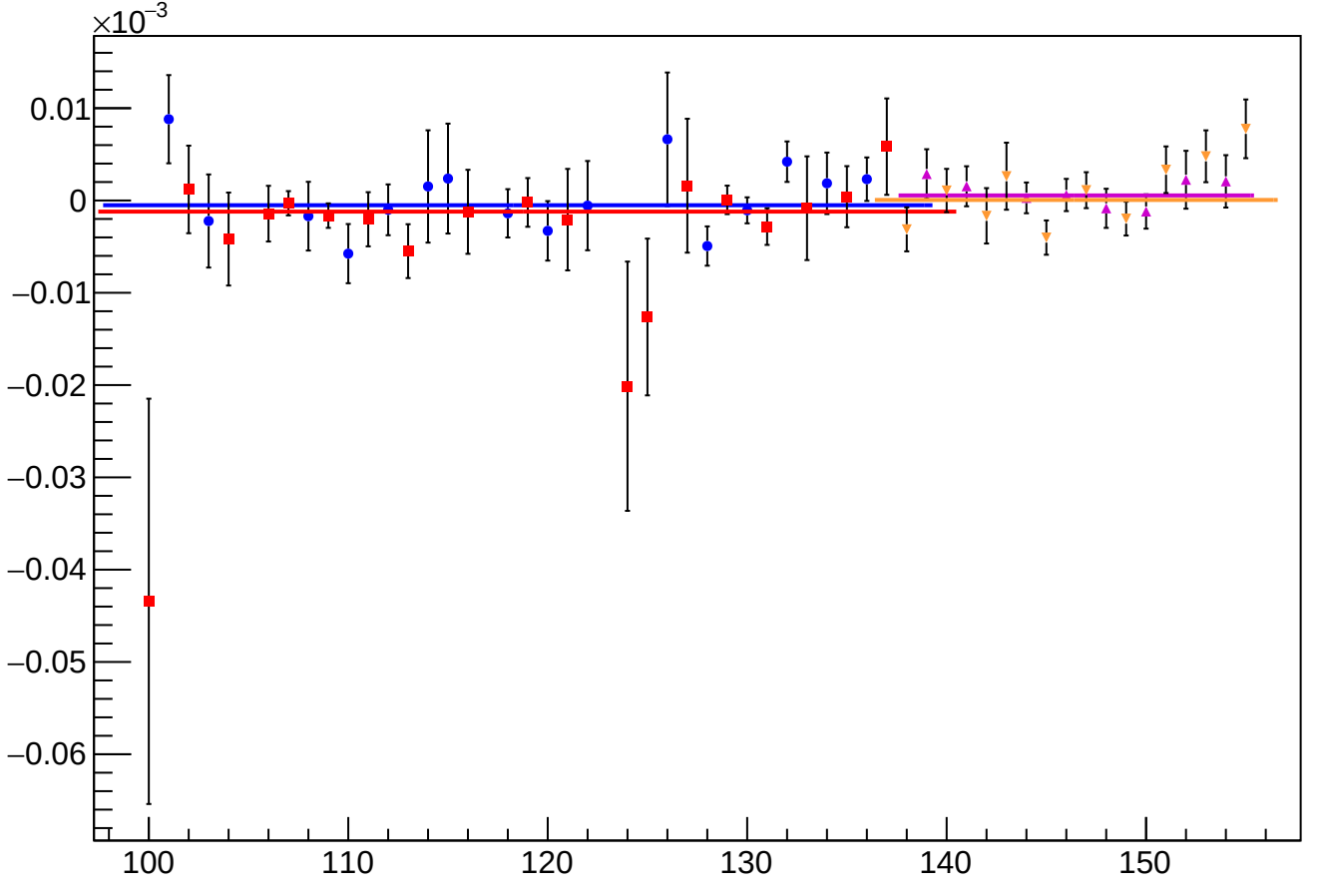
Left: 27.425+/-0.006 χ^2/NDF: 7026665.8/17

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 24.129+/-0.006 χ^2/NDF:6993299.4/23

Out: 33.013+/-0.007 χ^2/NDF:3941071.3/28

All: 27.720+/-0.004 χ^2/NDF: 11925172.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/9

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2.9/7

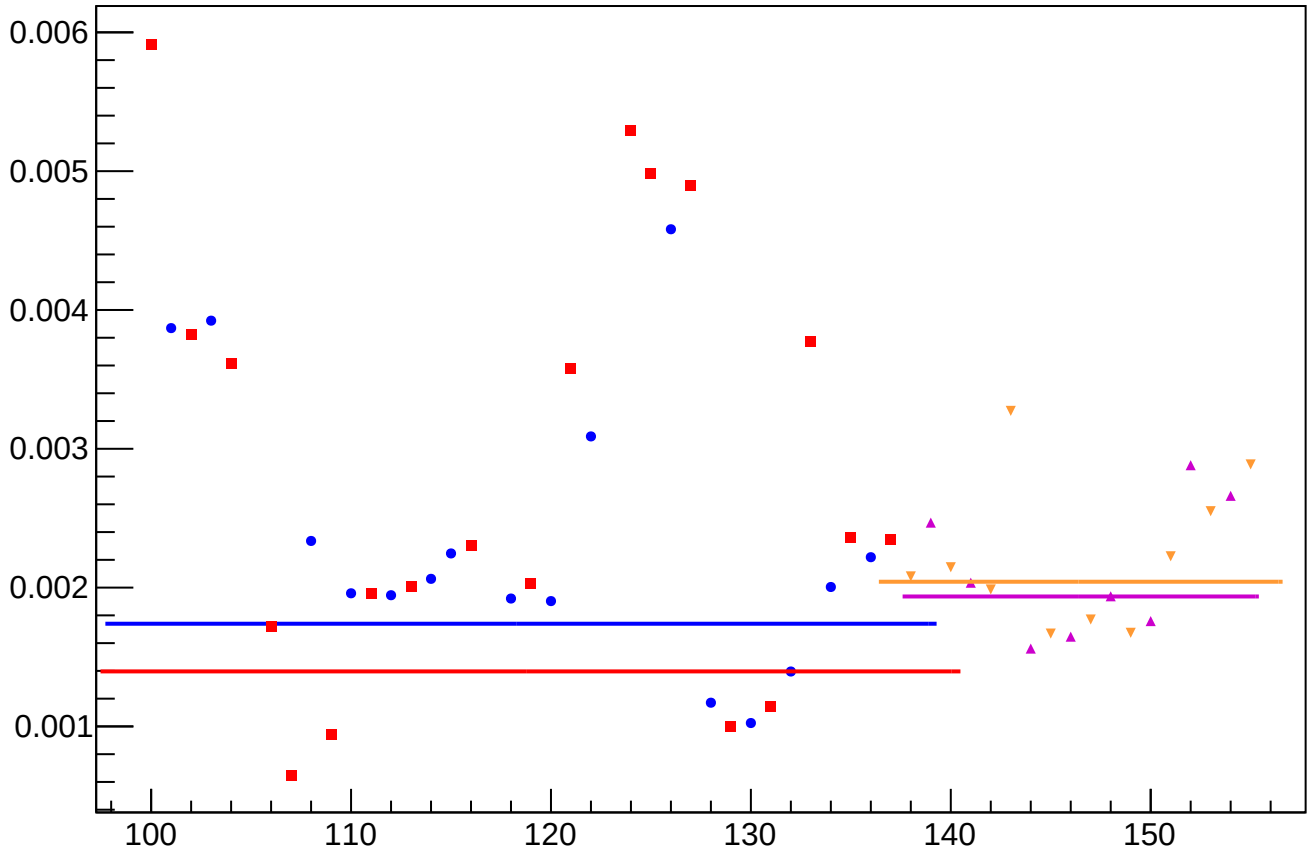
Left: 0.000+/-0.000 χ^2/NDF: 22.6/17

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:23.9/23

Out: -0.000+/-0.000 χ^2/NDF:35.9/28

All: -0.000+/-0.000 χ^2/NDF: 60.7/52



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:652363.7/9

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:569724.3/7

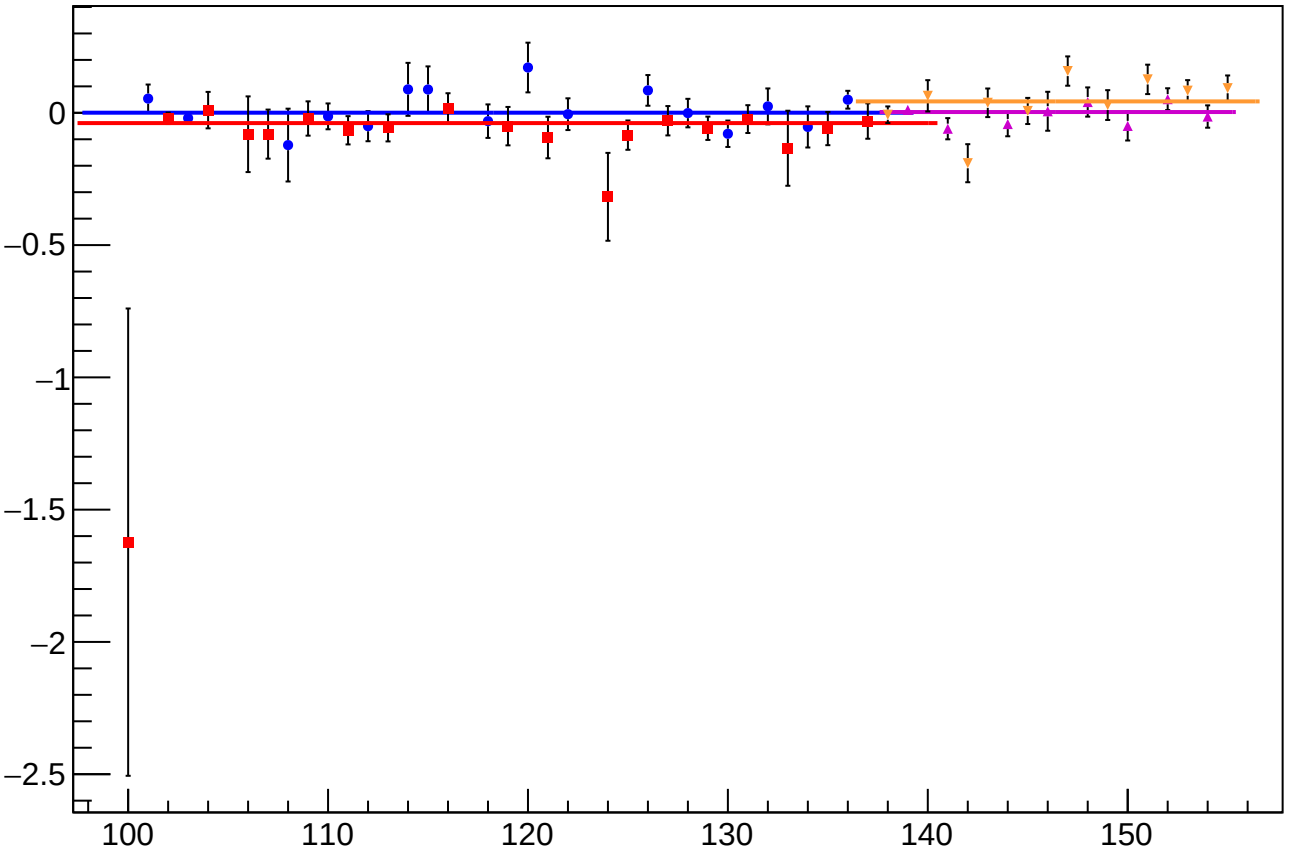
Left: 0.002+/-0.000 χ^2/NDF: 1242151.5/17

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2788161.0/23

Out: 0.002+/-0.000 χ^2/NDF:5866555.4/28

All: 0.002+/-0.000 χ^2/NDF: 8784605.8/52



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.043+/-0.015 χ^2/NDF:22.5/9

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.003+/-0.011 χ^2/NDF:6.7/7

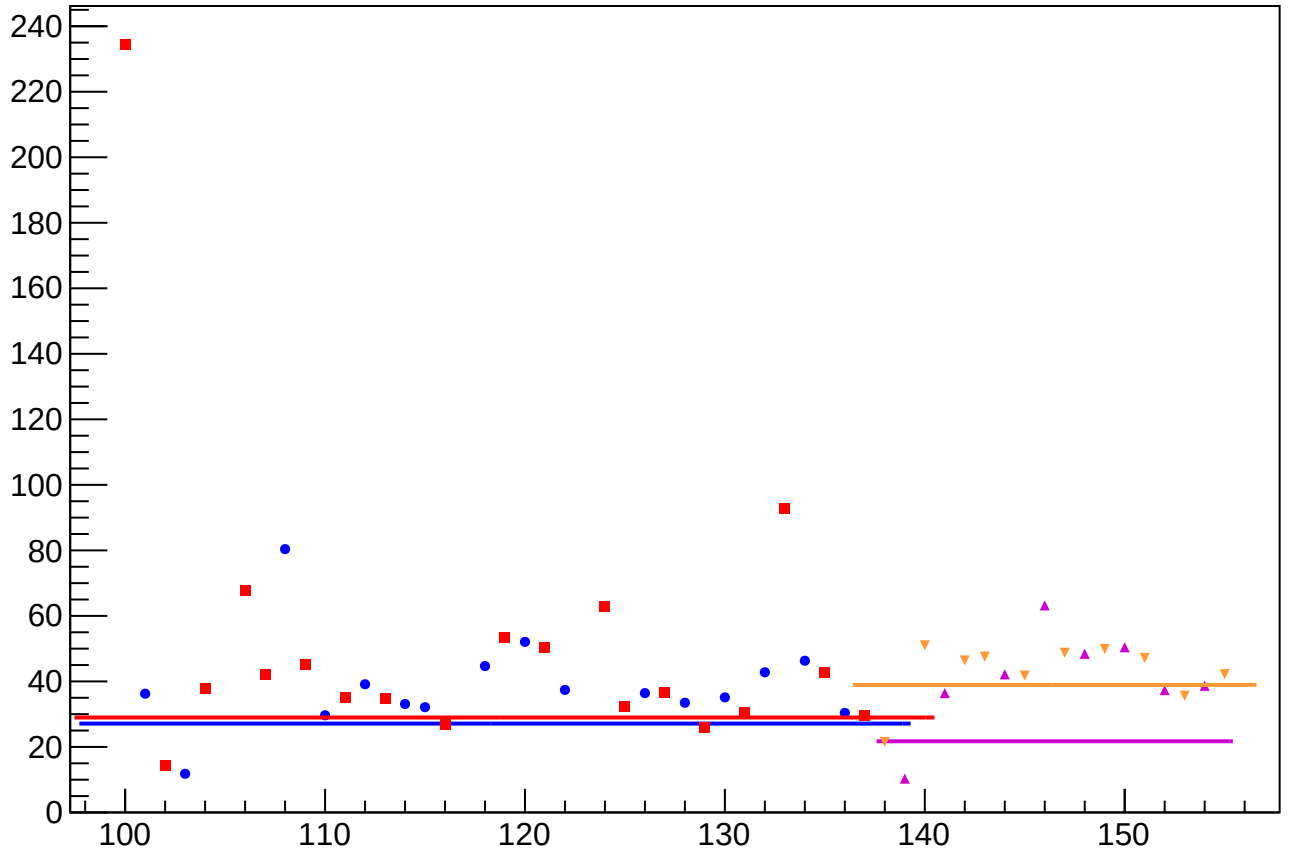
Left: 0.016+/-0.009 χ^2/NDF: 33.9/17

Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.3/23

Out: -0.006+/-0.010 χ^2/NDF:50.6/28

All: -0.001+/-0.006 χ^2/NDF: 74.2/52



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 38.928+/-0.011 χ^2/NDF:982456.9/9

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.726+/-0.008 χ^2/NDF:4354976.7/7

Left: 27.423+/-0.006 χ^2/NDF: 7028069.1/17

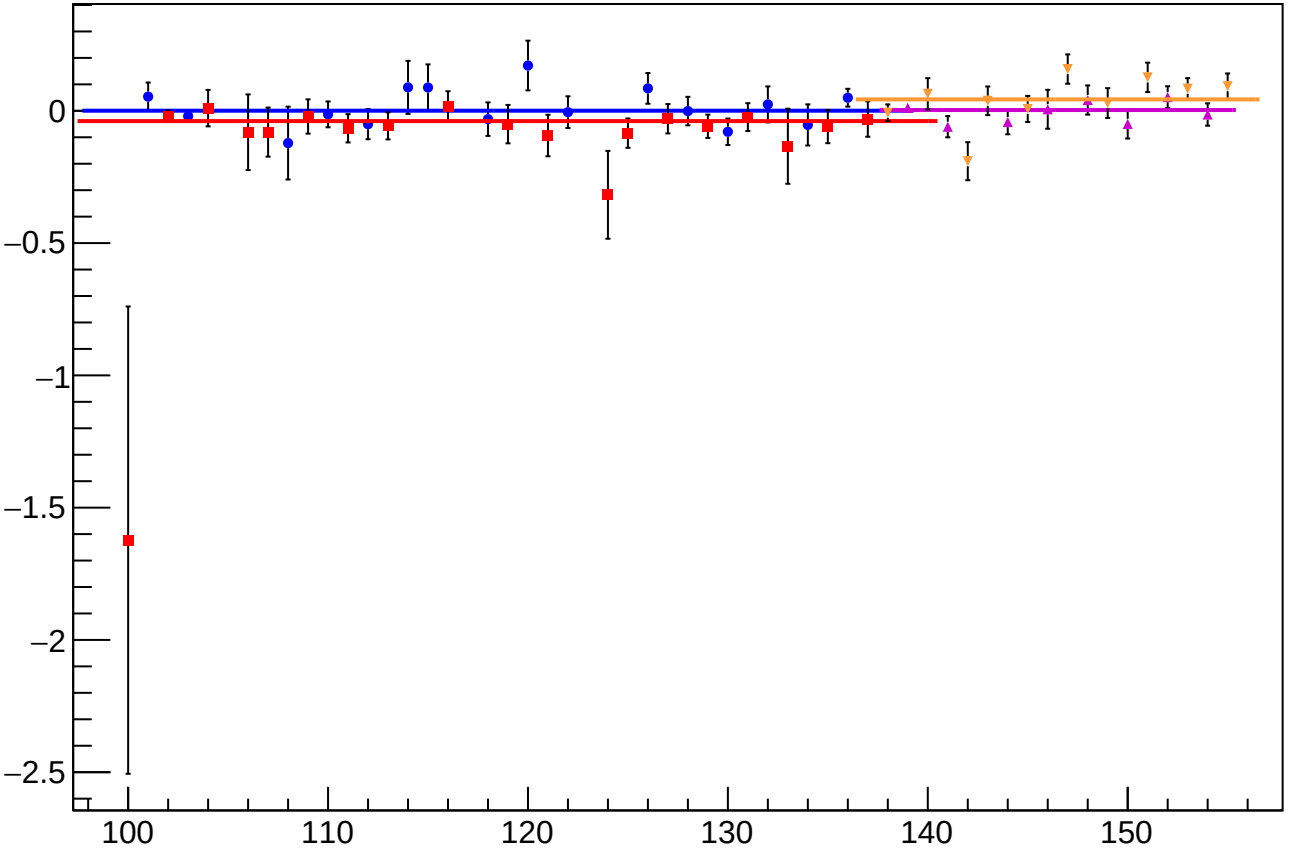
Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 24.128+/-0.006 χ^2/NDF:6994443.6/23

Out: 33.015+/-0.007 χ^2/NDF:3940501.4/28

All: 27.719+/-0.004 χ^2/NDF: 11926444.2/52

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.043+/-0.015 χ^2/NDF:22.5/9

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.003+/-0.011 χ^2/NDF:6.7/7

Left: 0.016+/-0.009 χ^2/NDF: 33.9/17

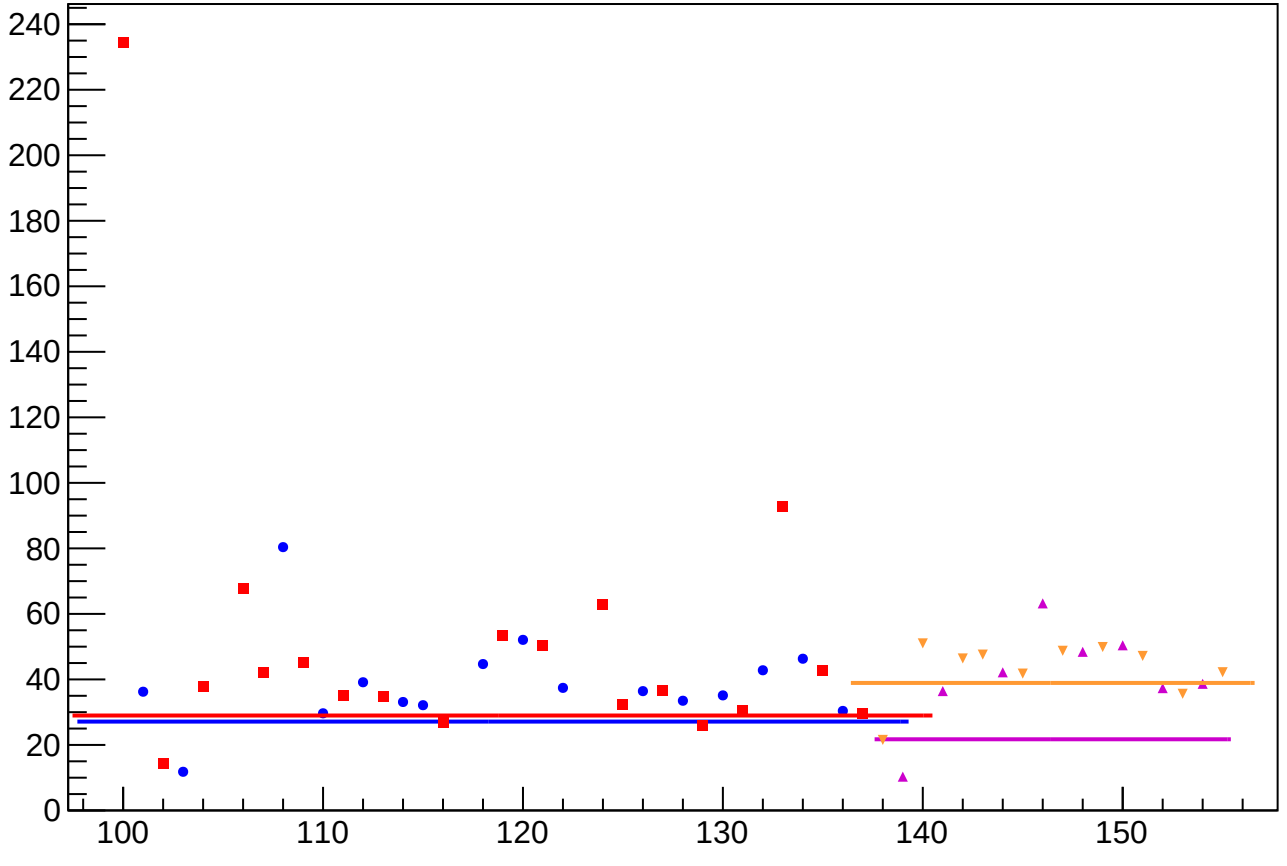
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.3/23

Out: -0.006+/-0.010 χ^2/NDF:50.6/28

All: -0.001+/-0.006 χ^2/NDF: 74.2/52

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 38.928+/-0.011 χ^2/NDF:982456.9/9

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.726+/-0.008 χ^2/NDF:4354976.7/7

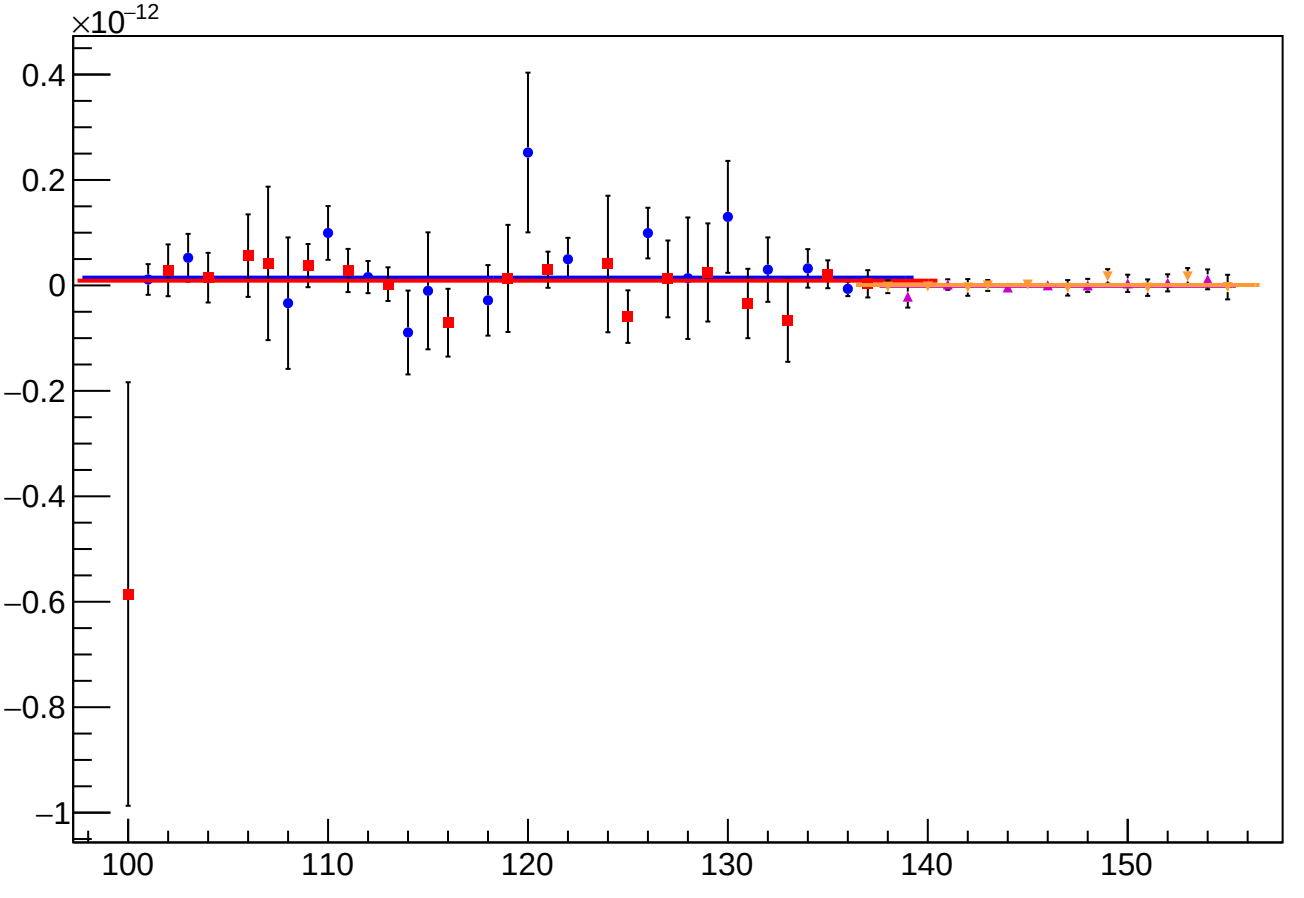
Left: 27.423+/-0.006 χ^2/NDF: 7028069.1/17

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 24.128+/-0.006 χ^2/NDF:6994443.6/23

Out: 33.015+/-0.007 χ^2/NDF:3940501.4/28

All: 27.719+/-0.004 χ^2/NDF: 11926444.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.9/7

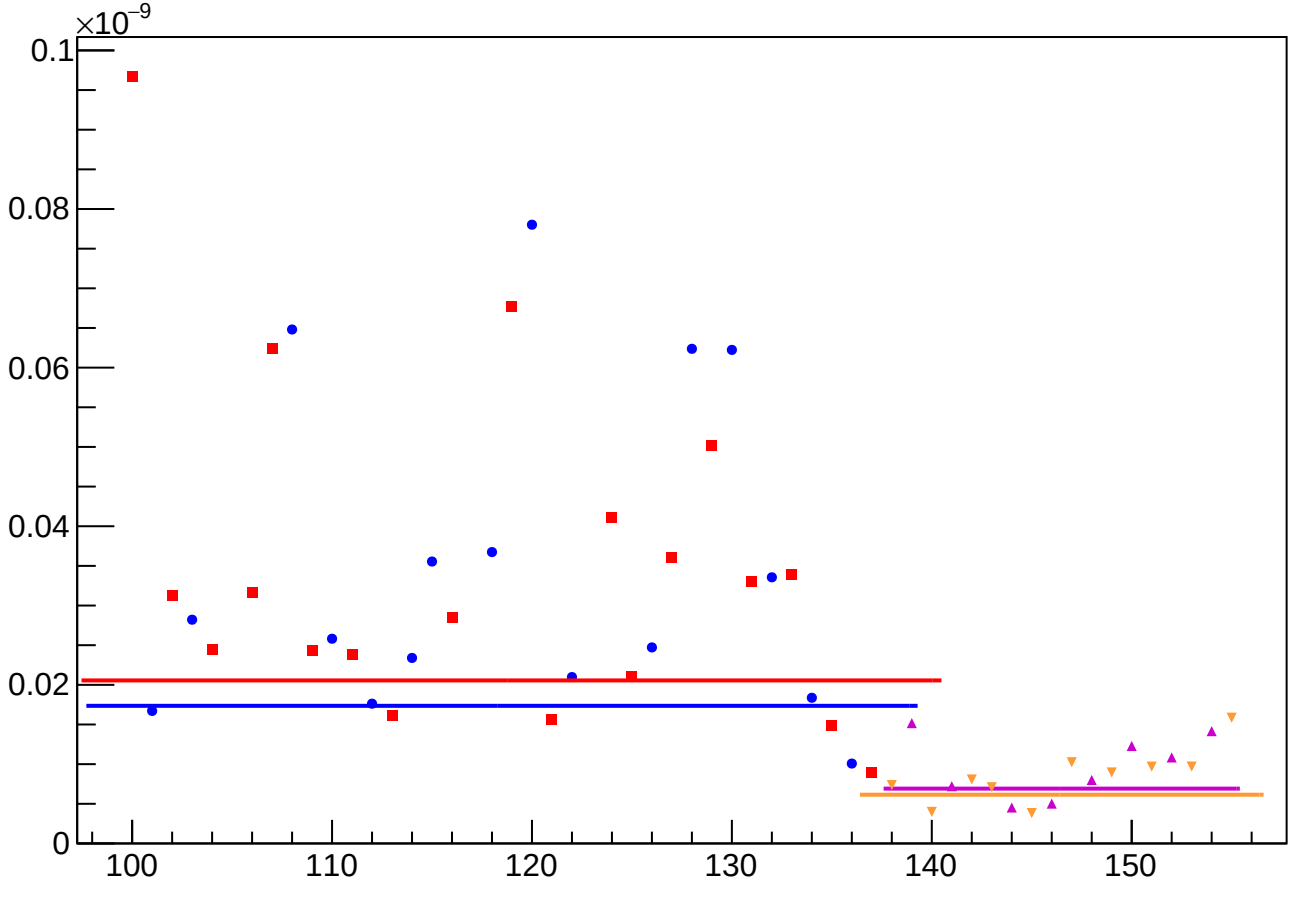
Left: 0.000+/-0.000 χ^2/NDF: 5.1/17

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:20.2/23

Out: 0.000+/-0.000 χ^2/NDF:12.6/28

All: 0.000+/-0.000 χ^2/NDF: 32.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1323389.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1332425.5/7

Left: 0.000+/-0.000 χ^2/NDF: 2700657.7/17

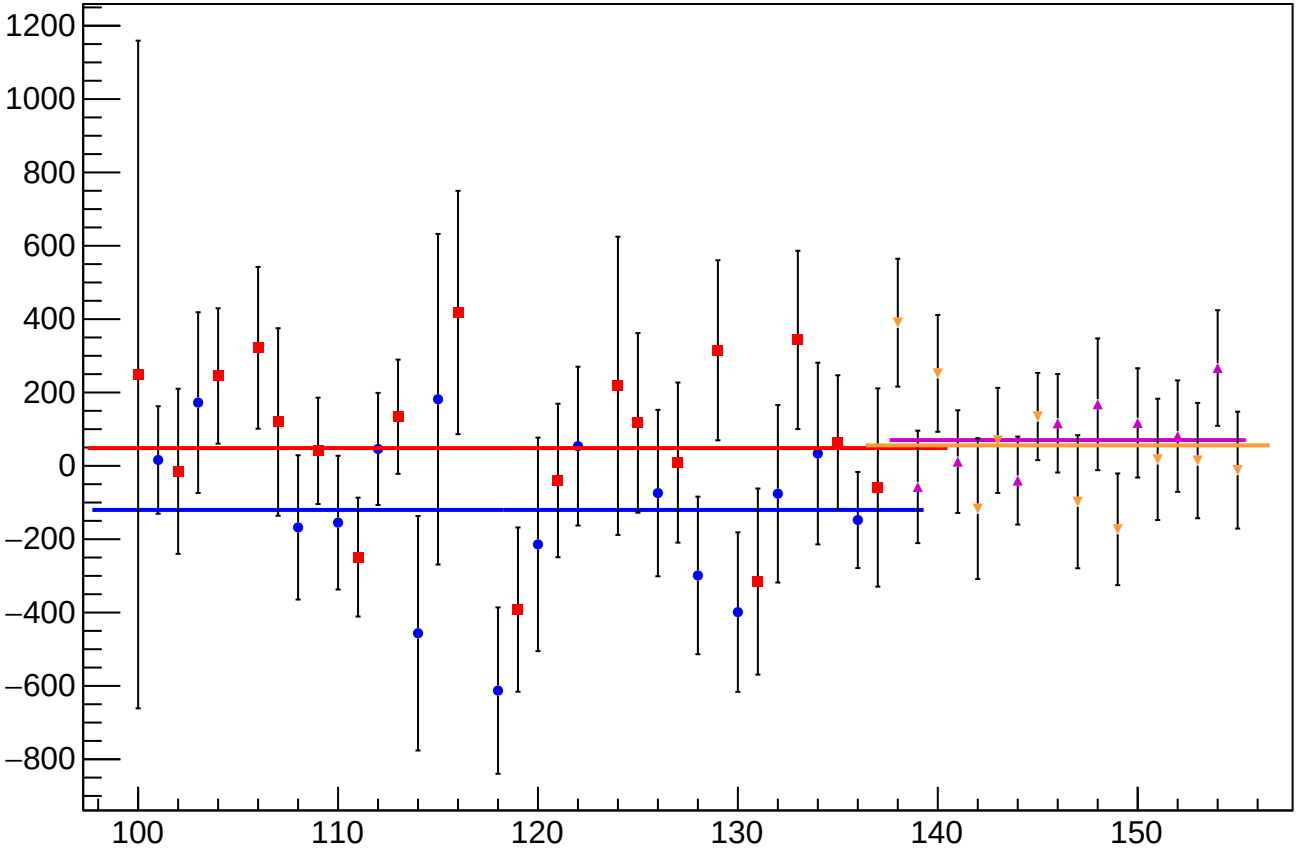
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:5869443.2/23

Out: 0.000+/-0.000 χ^2/NDF:6475895.4/28

All: 0.000+/-0.000 χ^2/NDF: 12424629.5/52

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 55.869+/-49.454 χ^2/NDF:9.7/9

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 70.149+/-51.421 χ^2/NDF:3.8/7

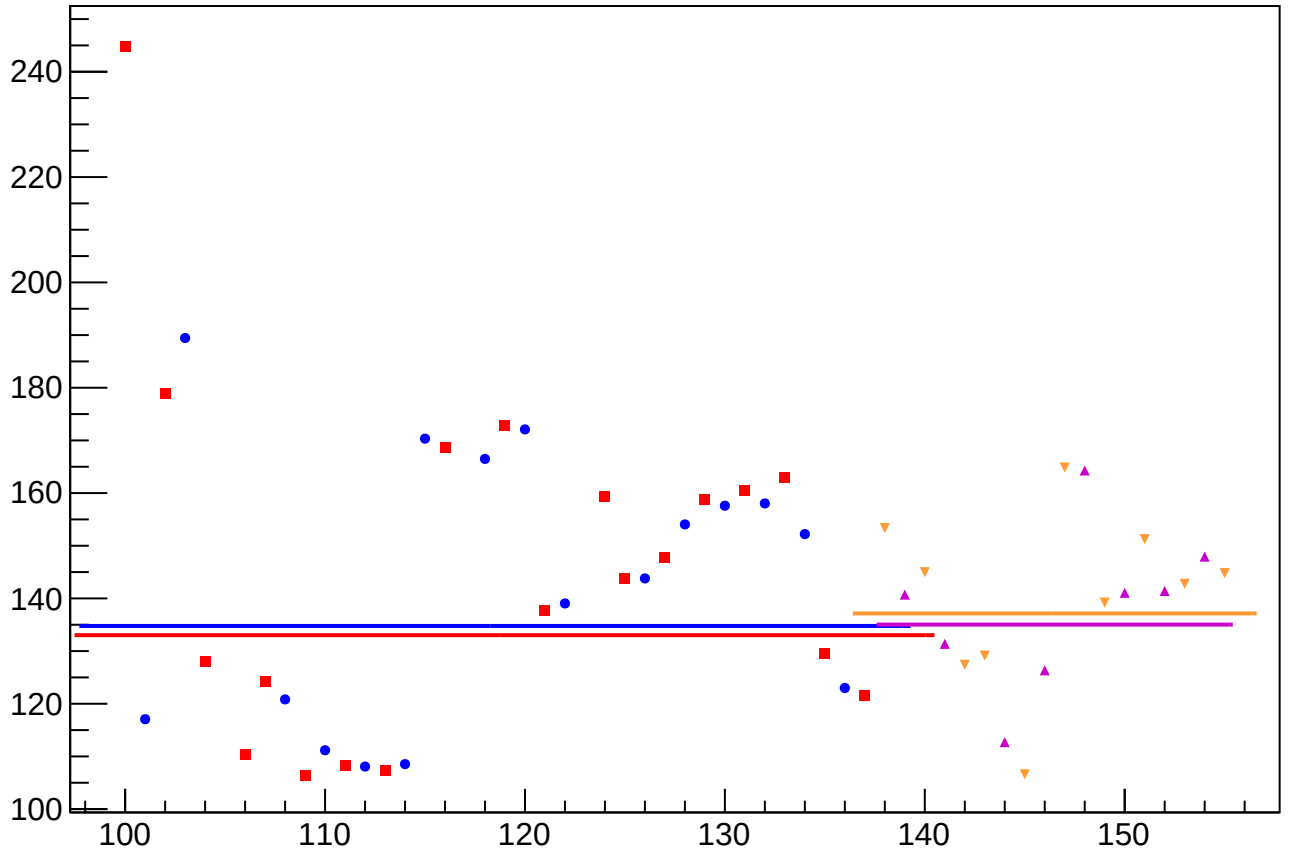
Left: 62.730+/-35.644 χ^2/NDF: 13.6/17

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -25.596+/-36.247 χ^2/NDF:24.1/23

Out: 52.193+/-35.129 χ^2/NDF:26.7/28

All: 14.517+/-25.226 χ^2/NDF: 53.2/52



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 137.150+/-0.035 χ^2/NDF:234300.6/9

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 135.031+/-0.036 χ^2/NDF:154987.4/7

Left: 136.132+/-0.025 χ^2/NDF: 391051.9/17

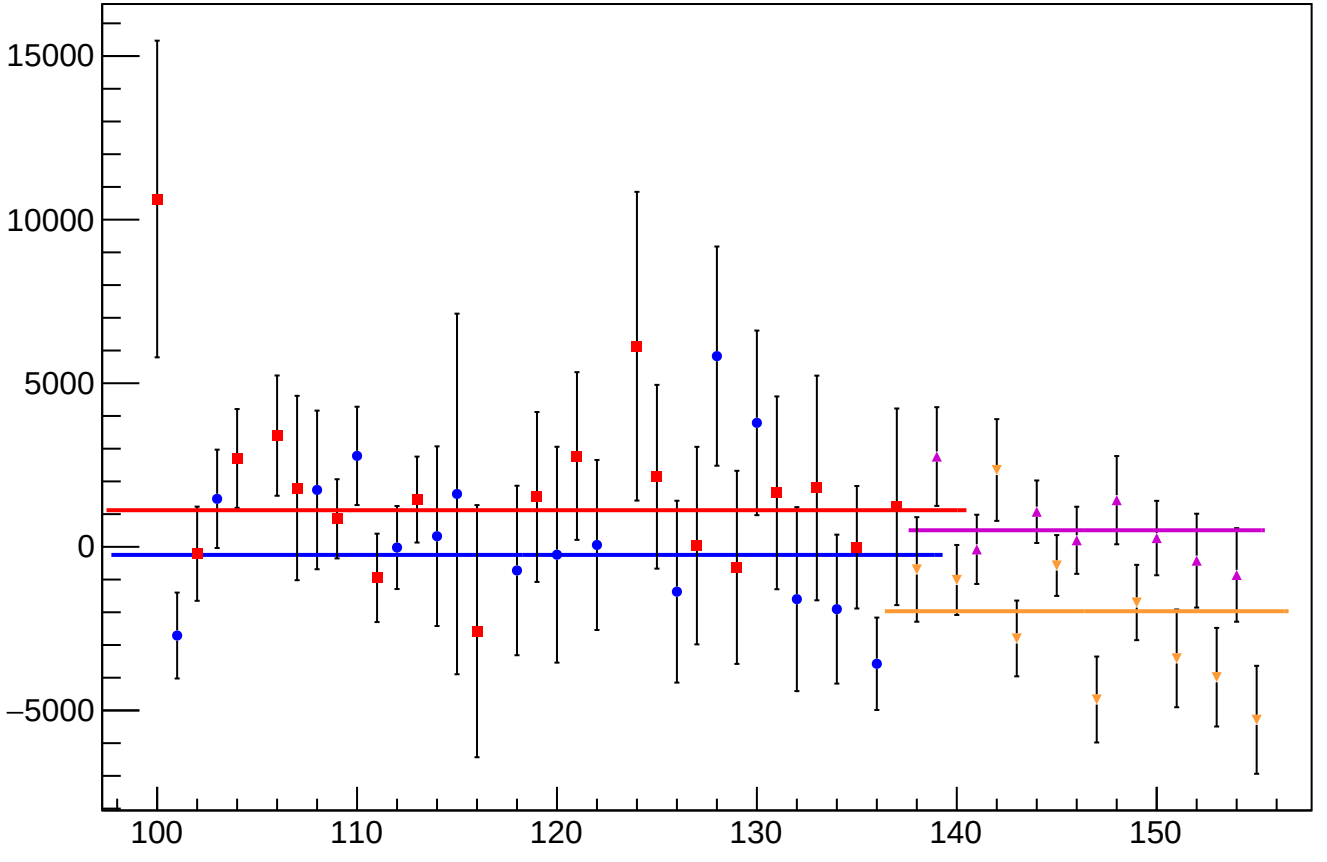
Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 134.900+/-0.026 χ^2/NDF:571791.9/23

Out: 135.104+/-0.025 χ^2/NDF:736930.6/28

All: 135.005+/-0.018 χ^2/NDF: 1308754.9/52

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: -1967.685+/-402.472 χ^2/NDF:23.0/9

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 506.760+/-419.696 χ^2/NDF:4.8/7

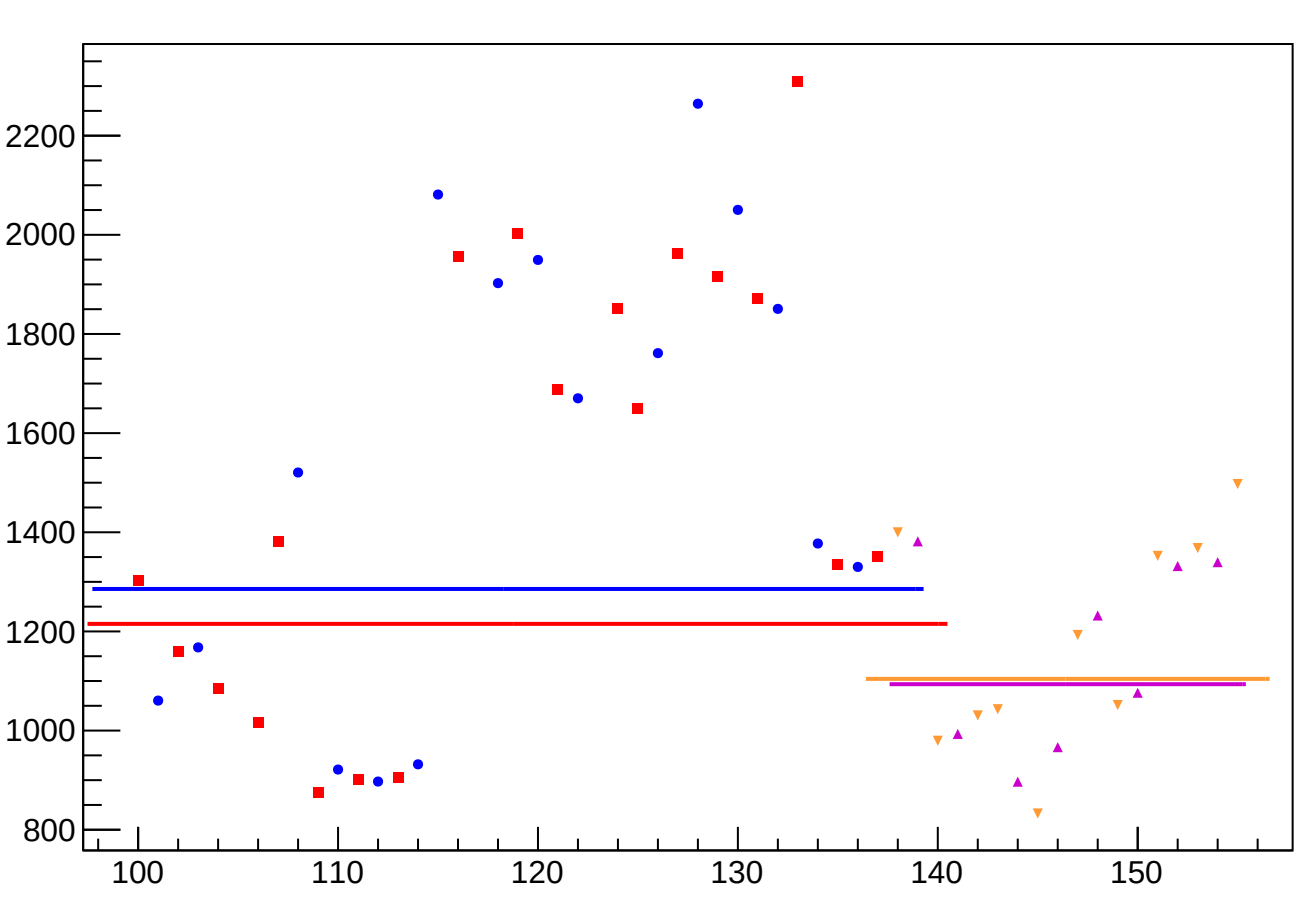
Left: -782.280+/-290.489 χ^2/NDF: 45.9/17

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 196.493+/-321.834 χ^2/NDF:27.7/23

Out: -656.506+/-305.261 χ^2/NDF:61.4/28

All: -252.534+/-221.480 χ^2/NDF: 92.8/52



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1104.276+/-0.285 χ^2/NDF:519779.7/9

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1093.579+/-0.297 χ^2/NDF:342379.0/7

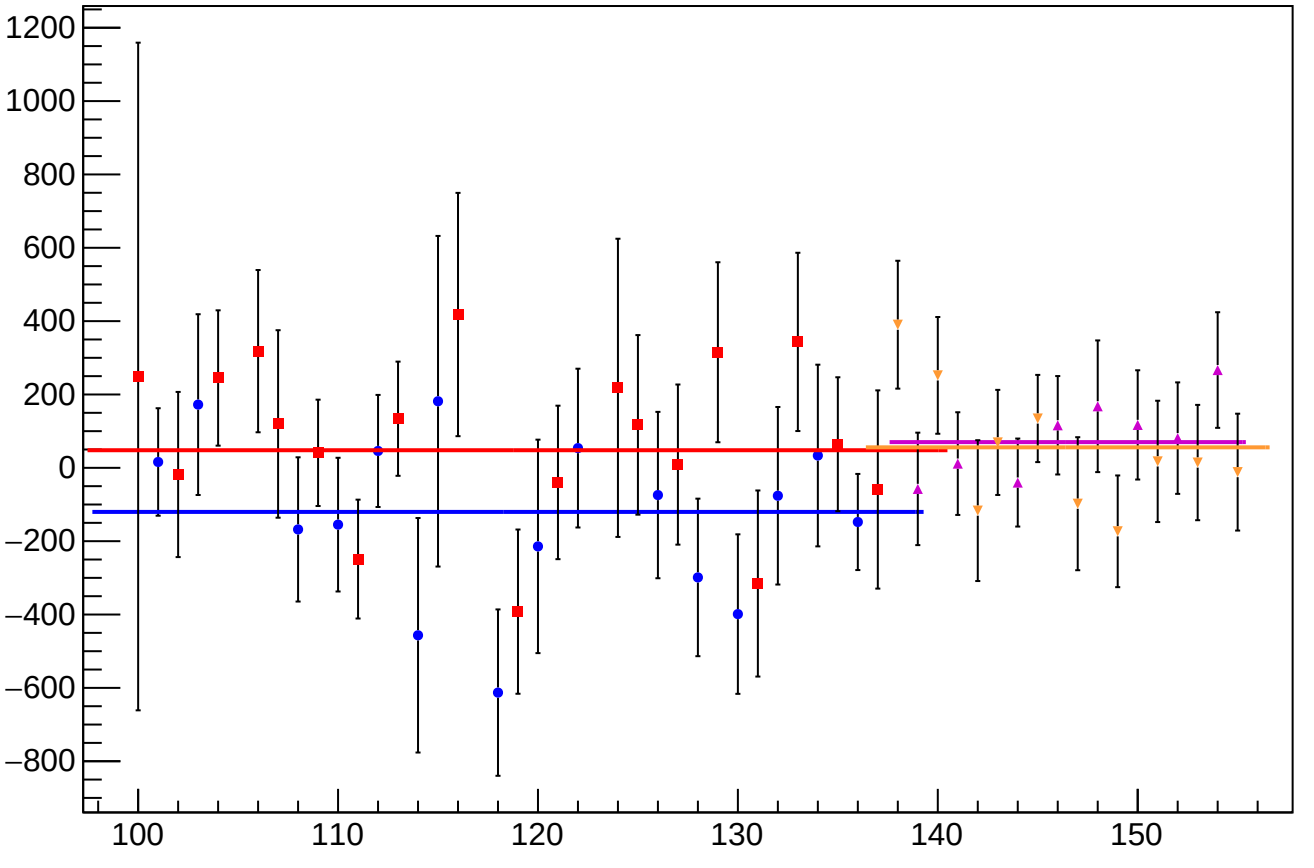
Left: 1099.152+/-0.205 χ^2/NDF: 862835.5/17

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1172.715+/-0.228 χ^2/NDF:1685415.4/23

Out: 1151.404+/-0.216 χ^2/NDF:1970636.7/28

All: 1161.497+/-0.157 χ^2/NDF: 3660668.3/52



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 55.880+/-49.454 χ^2/NDF:9.7/9

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 70.149+/-51.421 χ^2/NDF:3.8/7

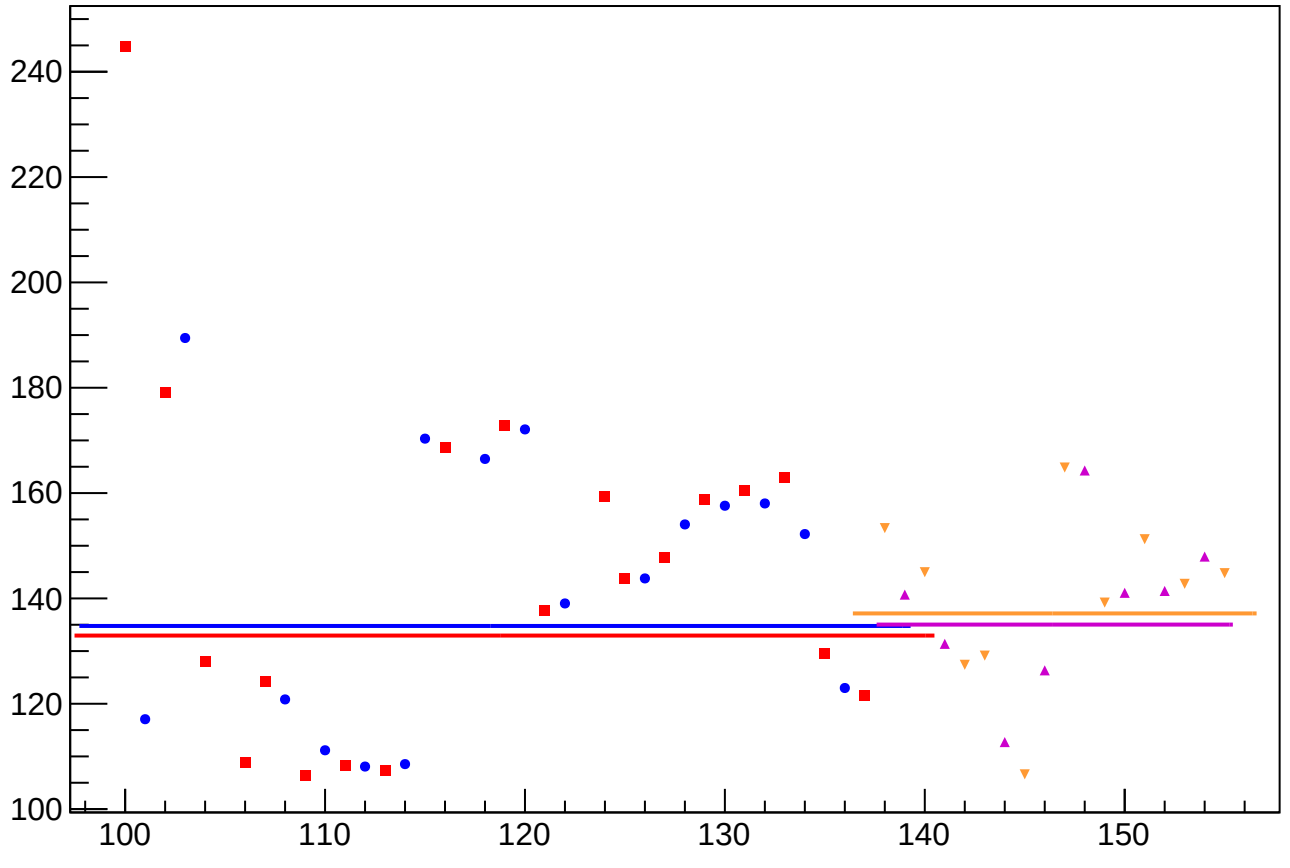
Left: 62.736+/-35.644 χ^2/NDF: 13.6/17

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -25.601+/-36.247 χ^2/NDF:24.1/23

Out: 51.983+/-35.132 χ^2/NDF:26.7/28

All: 14.403+/-25.227 χ^2/NDF: 53.2/52



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 137.150+/-0.035 χ^2/NDF:234300.6/9

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 135.031+/-0.036 χ^2/NDF:154987.4/7

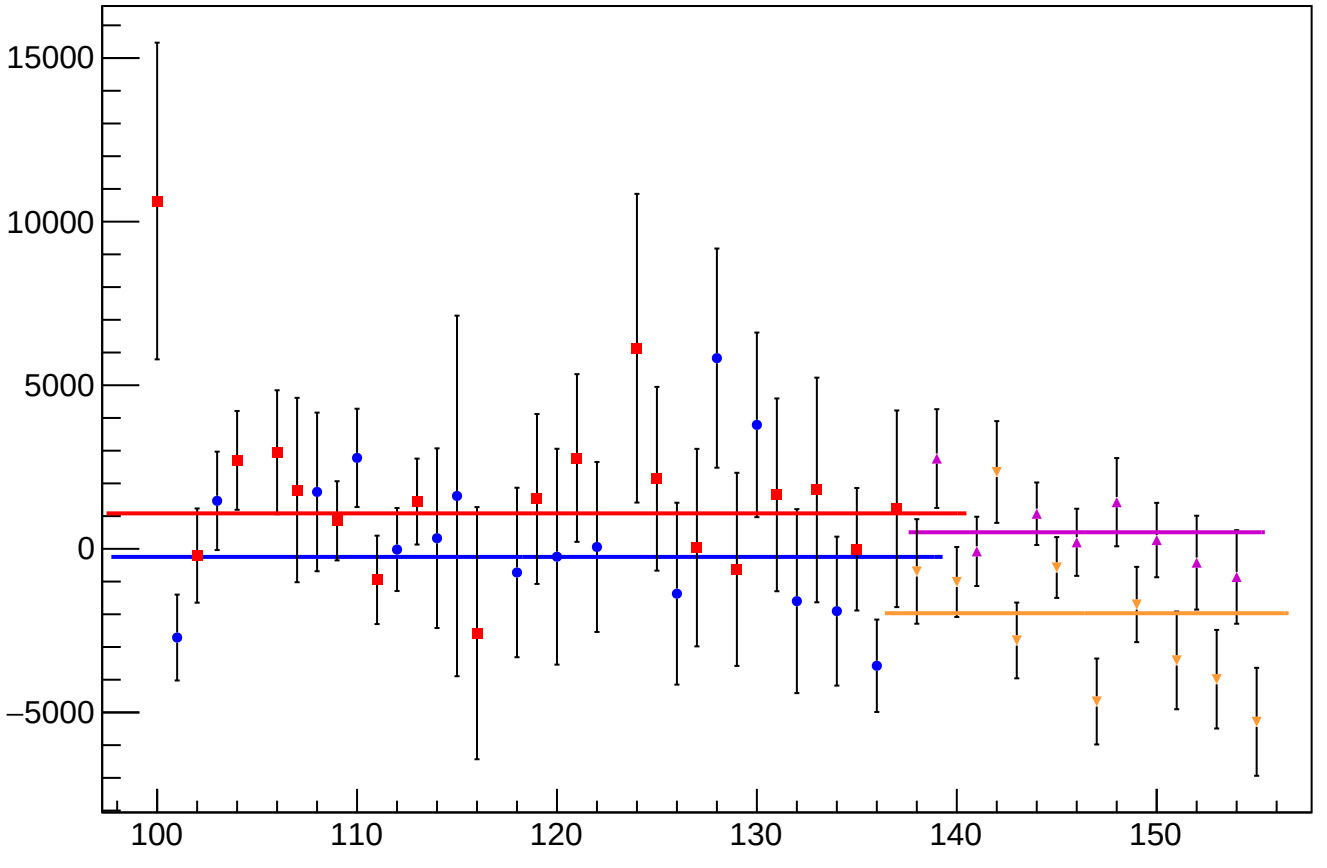
Left: 136.132+/-0.025 χ^2/NDF: 391051.9/17

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 134.901+/-0.026 χ^2/NDF:571795.0/23

Out: 135.068+/-0.025 χ^2/NDF:740307.2/28

All: 134.987+/-0.018 χ^2/NDF: 1312124.3/52



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1967.675+/-402.472 χ^2/NDF:23.0/9

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 506.769+/-419.697 χ^2/NDF:4.8/7

Left: -782.271+/-290.489 χ^2/NDF: 45.9/17

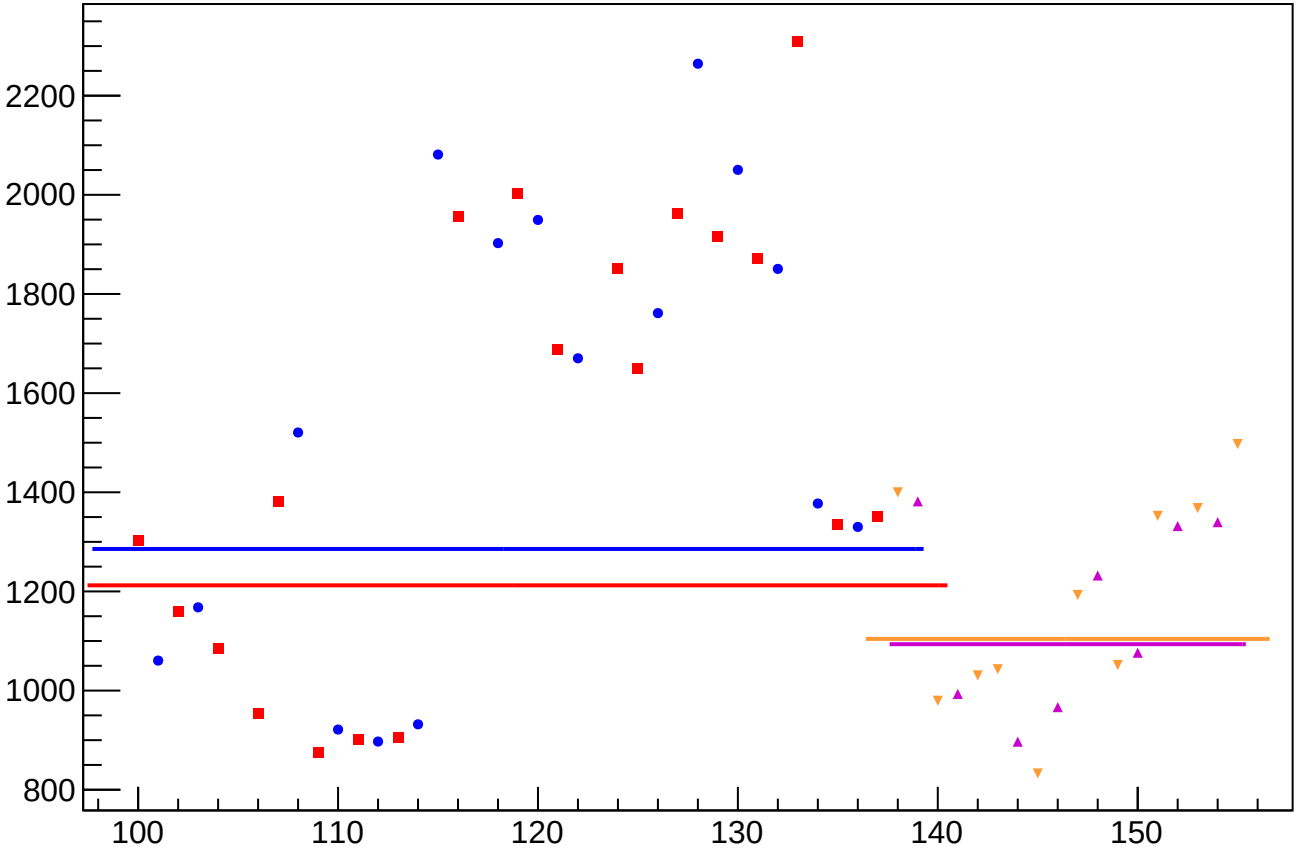
Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 196.473+/-321.836 χ^2/NDF:27.7/23

Out: -674.441+/-305.517 χ^2/NDF:60.1/28

All: -261.623+/-221.577 χ^2/NDF: 91.7/52

asym_sam_48_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1104.276+/-0.285 χ^2/NDF:519782.2/9

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1093.579+/-0.297 χ^2/NDF:342377.4/7

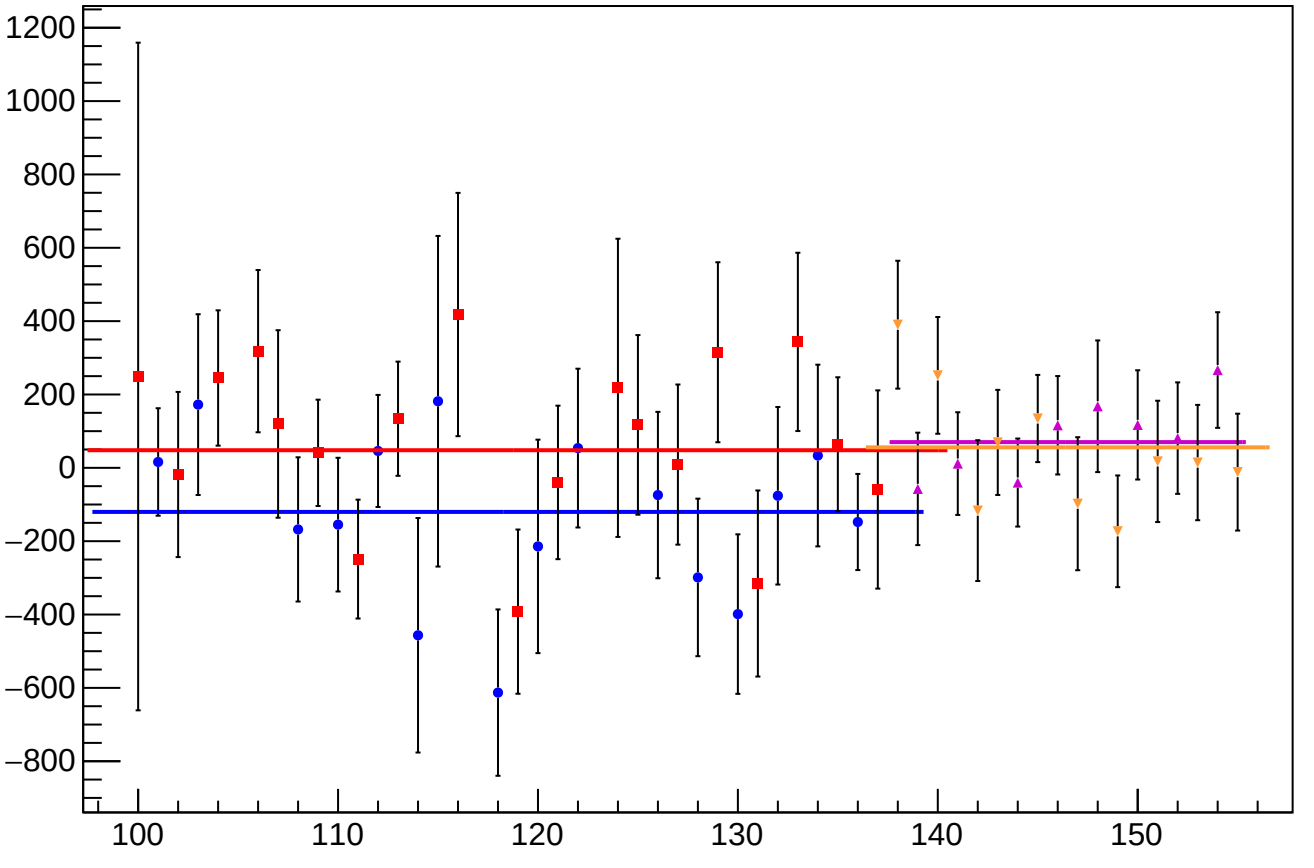
Left: 1099.152+/-0.205 χ^2/NDF: 862836.4/17

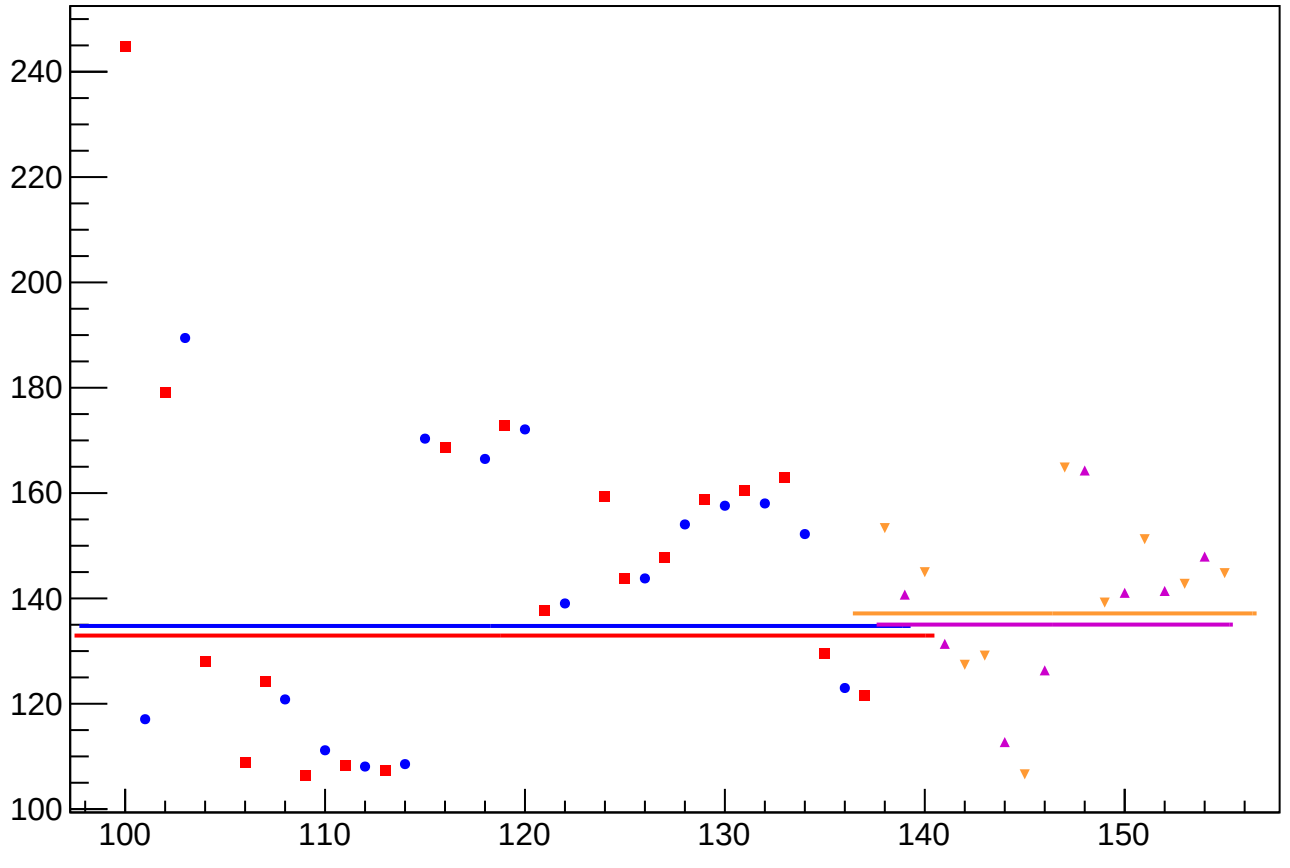
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1172.720+/-0.228 χ^2/NDF:1685410.3/23

Out: 1150.043+/-0.216 χ^2/NDF:1981445.5/28

All: 1160.792+/-0.157 χ^2/NDF: 3672079.0/52


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: 55.880+/-49.454 χ²/NDF:9.7/9
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 70.149+/-51.421 χ²/NDF:3.8/7
Left: 62.736+/-35.644 χ²/NDF: 13.6/17
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -25.601+/-36.247 χ²/NDF:24.1/23
Out: 51.983+/-35.132 χ²/NDF:26.7/28
All: 14.403+/-25.227 χ²/NDF: 53.2/52



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 137.150+/-0.035 χ^2/NDF:234300.6/9

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 135.031+/-0.036 χ^2/NDF:154987.4/7

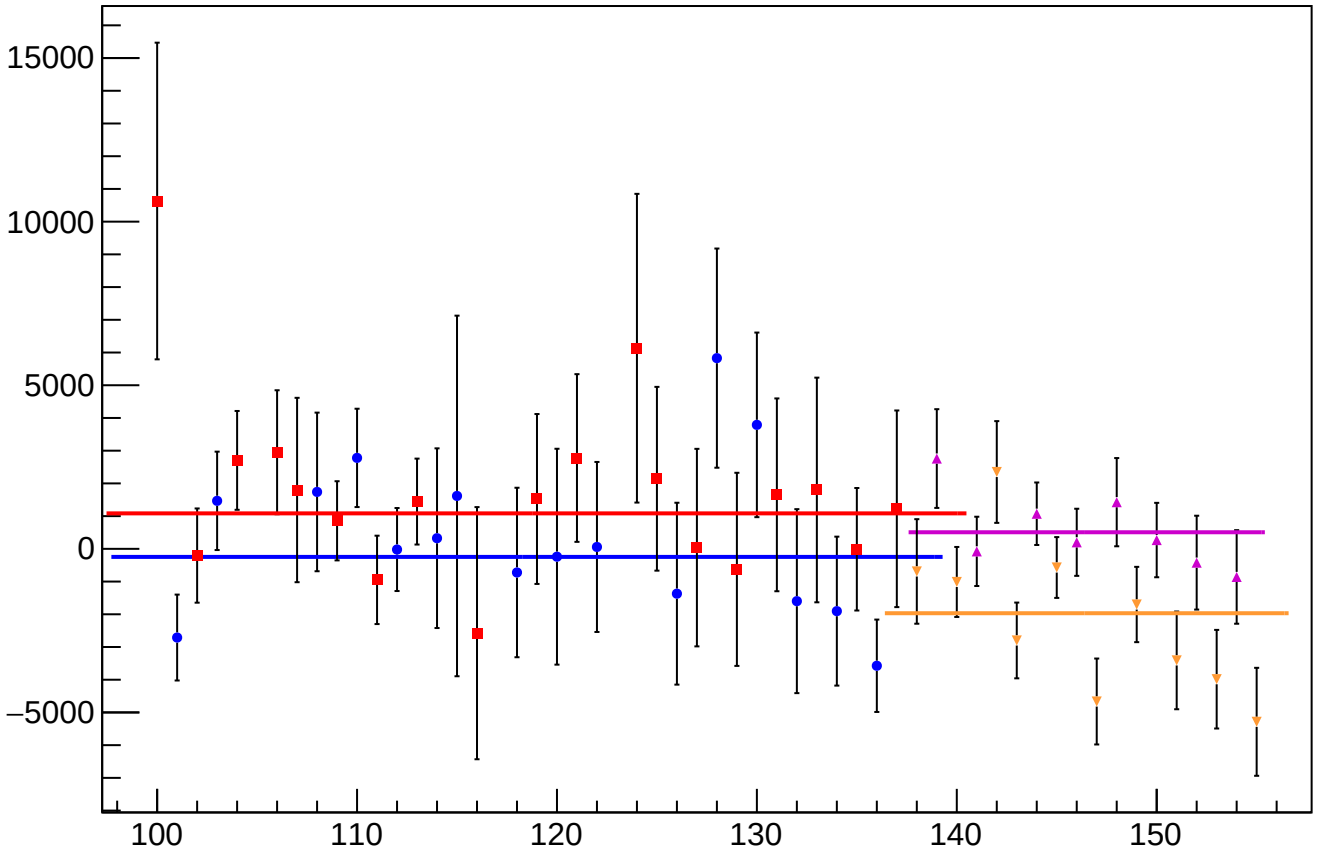
Left: 136.132+/-0.025 χ^2/NDF: 391051.9/17

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 134.901+/-0.026 χ^2/NDF:571795.0/23

Out: 135.068+/-0.025 χ^2/NDF:740307.2/28

All: 134.987+/-0.018 χ^2/NDF: 1312124.3/52



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1967.675+/-402.472 χ^2/NDF:23.0/9

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 506.769+/-419.697 χ^2/NDF:4.8/7

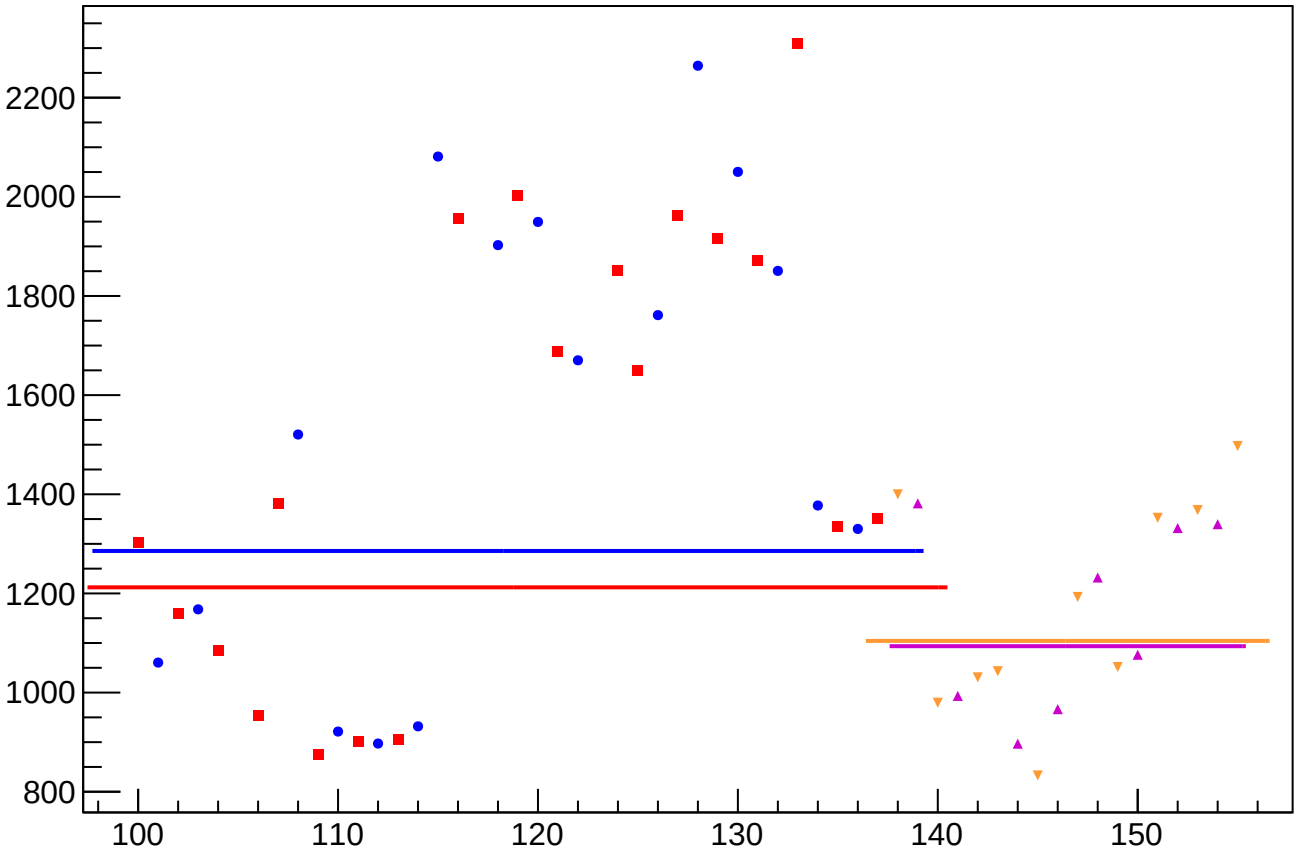
Left: -782.271+/-290.489 χ^2/NDF: 45.9/17

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 196.473+/-321.836 χ^2/NDF:27.7/23

Out: -674.441+/-305.517 χ^2/NDF:60.1/28

All: -261.623+/-221.577 χ^2/NDF: 91.7/52



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1104.276+/-0.285 χ^2/NDF:519782.2/9

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1093.579+/-0.297 χ^2/NDF:342377.4/7

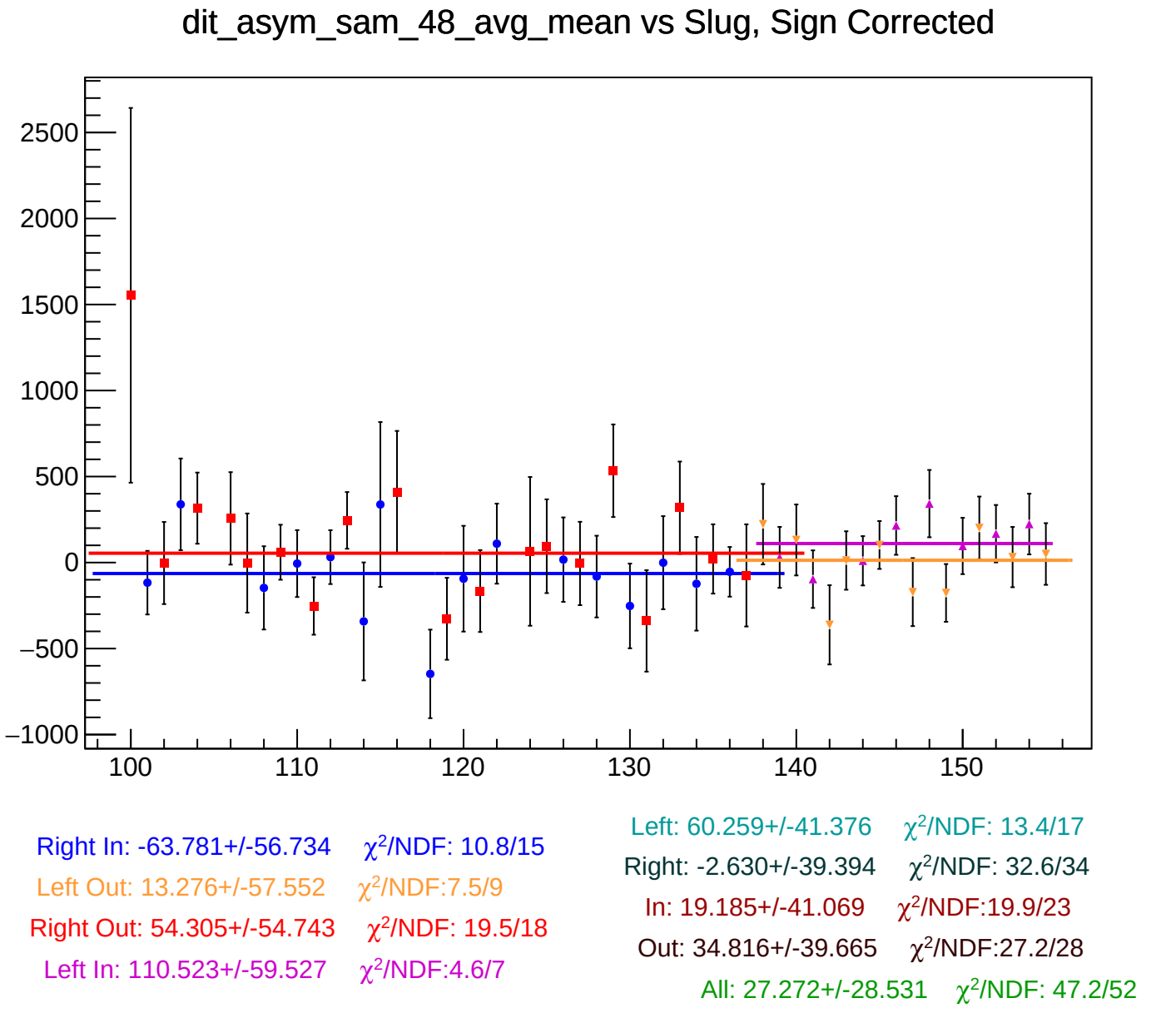
Left: 1099.152+/-0.205 χ^2/NDF: 862836.4/17

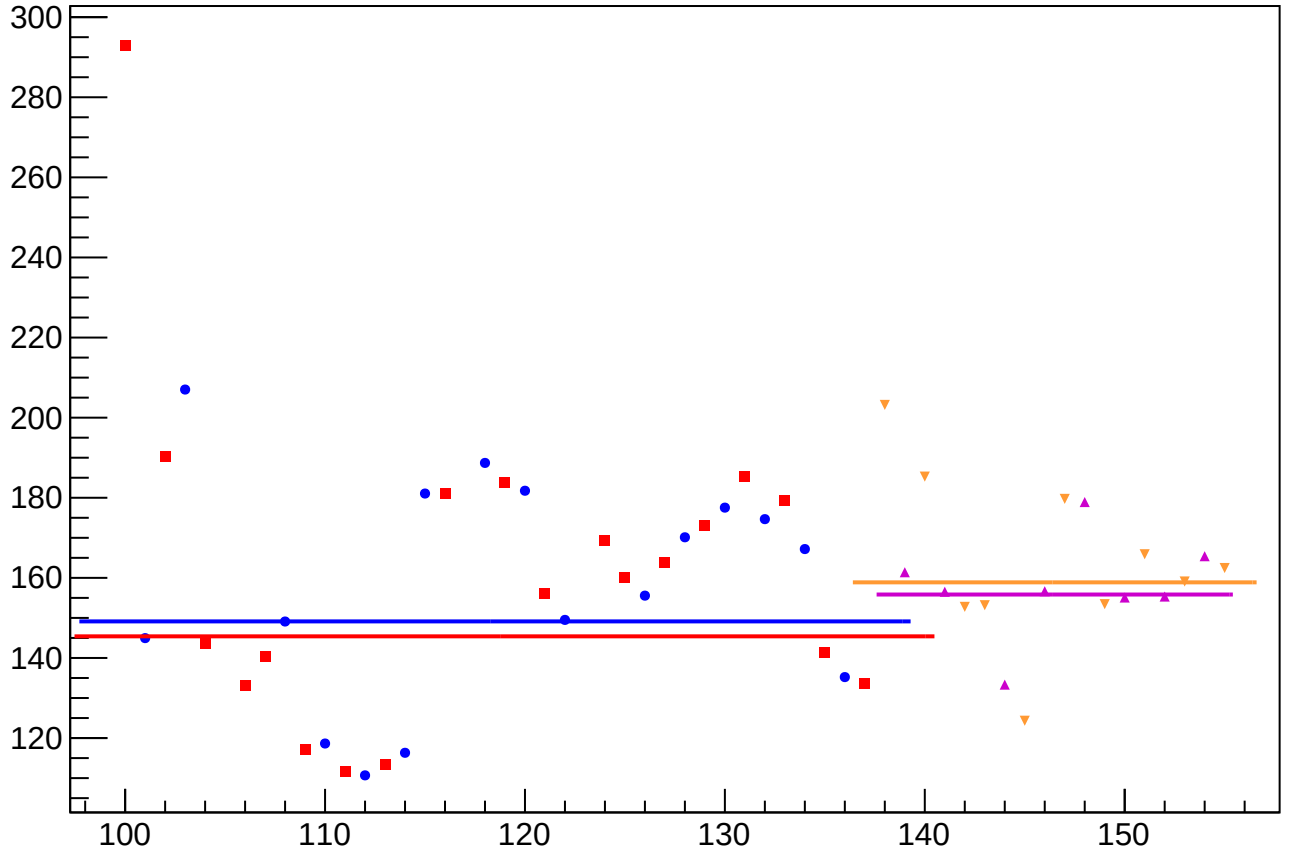
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1172.720+/-0.228 χ^2/NDF:1685410.3/23

Out: 1150.043+/-0.216 χ^2/NDF:1981445.5/28

All: 1160.792+/-0.157 χ^2/NDF: 3672079.0/52


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: 13.276+/-57.552 χ²/NDF:7.5/9
Right Out: 54.305+/-54.743 χ²/NDF: 19.5/18
Left In: 110.523+/-59.527 χ²/NDF:4.6/7
Left: 60.259+/-41.376 χ²/NDF: 13.4/17
Right: -2.630+/-39.394 χ²/NDF: 32.6/34
In: 19.185+/-41.069 χ²/NDF:19.9/23
Out: 34.816+/-39.665 χ²/NDF:27.2/28
All: 27.272+/-28.531 χ²/NDF: 47.2/52



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.879+/-0.041 χ^2/NDF:259711.4/9

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 155.839+/-0.042 χ^2/NDF:85201.0/7

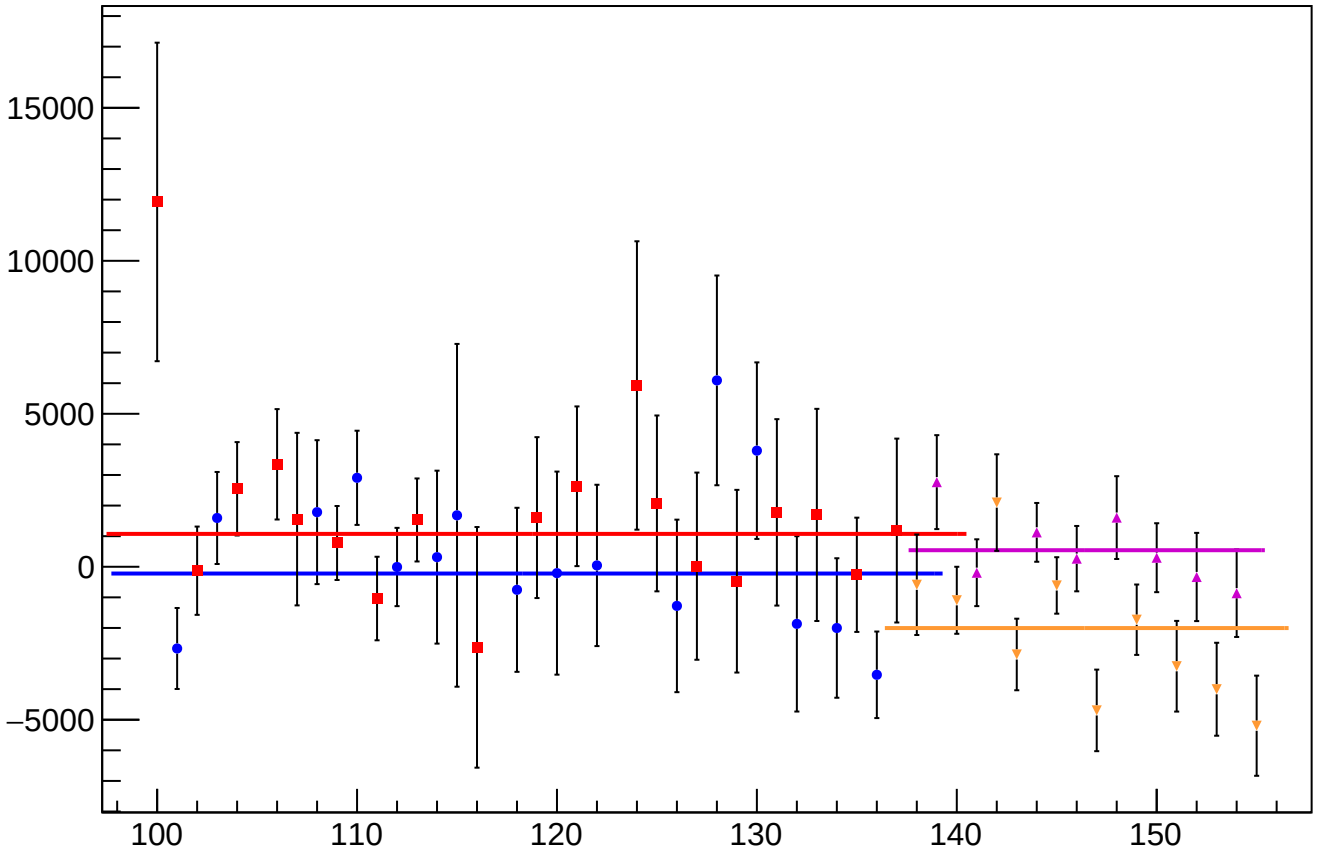
Left: 157.410+/-0.029 χ^2/NDF: 347608.1/17

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 152.324+/-0.029 χ^2/NDF:549516.8/23

Out: 151.802+/-0.028 χ^2/NDF:843134.0/28

All: 152.054+/-0.020 χ^2/NDF: 1392817.7/52



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -2003.538+/-405.166 χ^2/NDF:21.4/9

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 541.063+/-425.410 χ^2/NDF:5.0/7

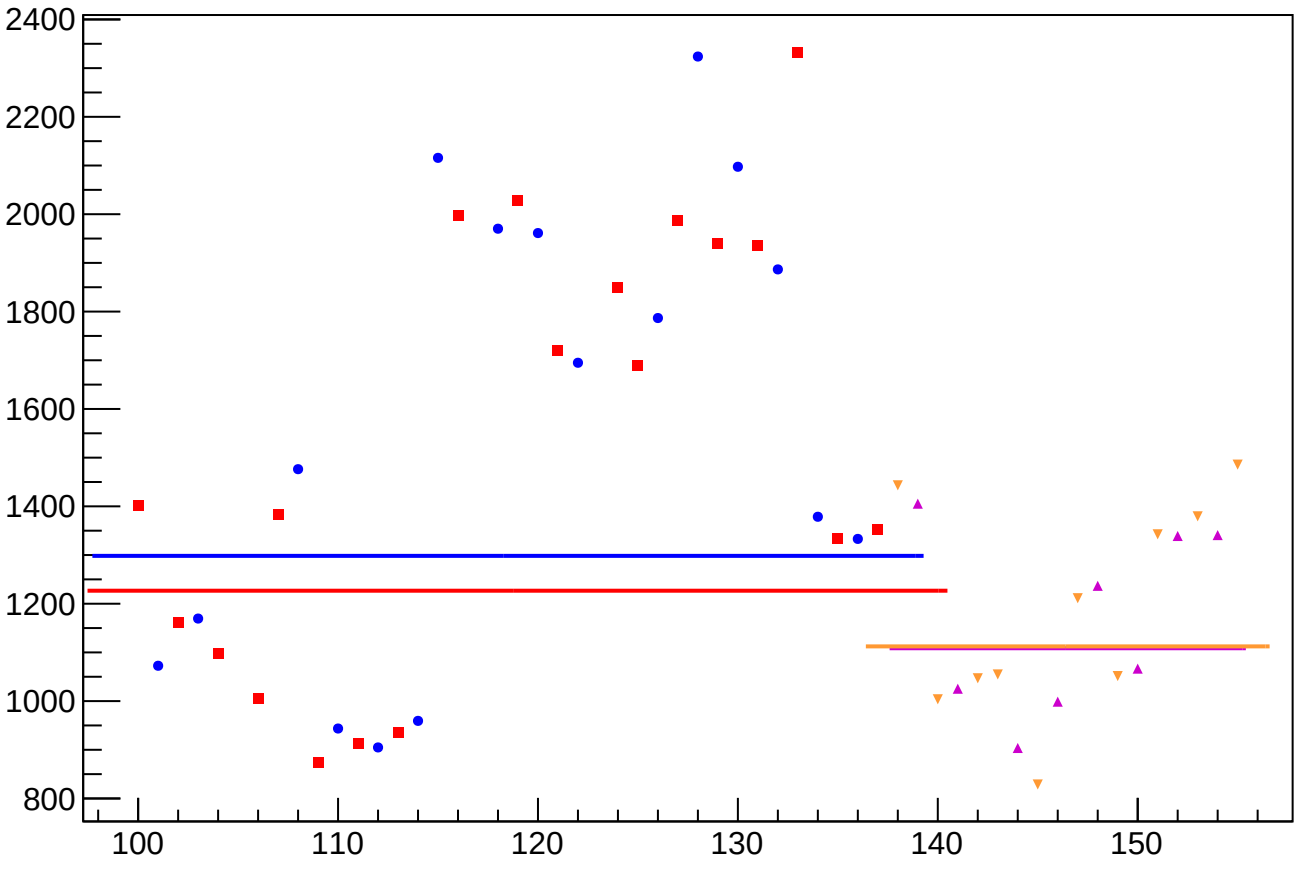
Left: -793.222+/-293.391 χ^2/NDF: 45.1/17

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 225.527+/-325.675 χ^2/NDF:28.2/23

Out: -700.317+/-307.659 χ^2/NDF:59.4/28

All: -263.711+/-223.646 χ^2/NDF: 91.9/52



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1112.371+/-0.286 χ^2/NDF:528830.1/9

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1108.541+/-0.301 χ^2/NDF:322985.2/7

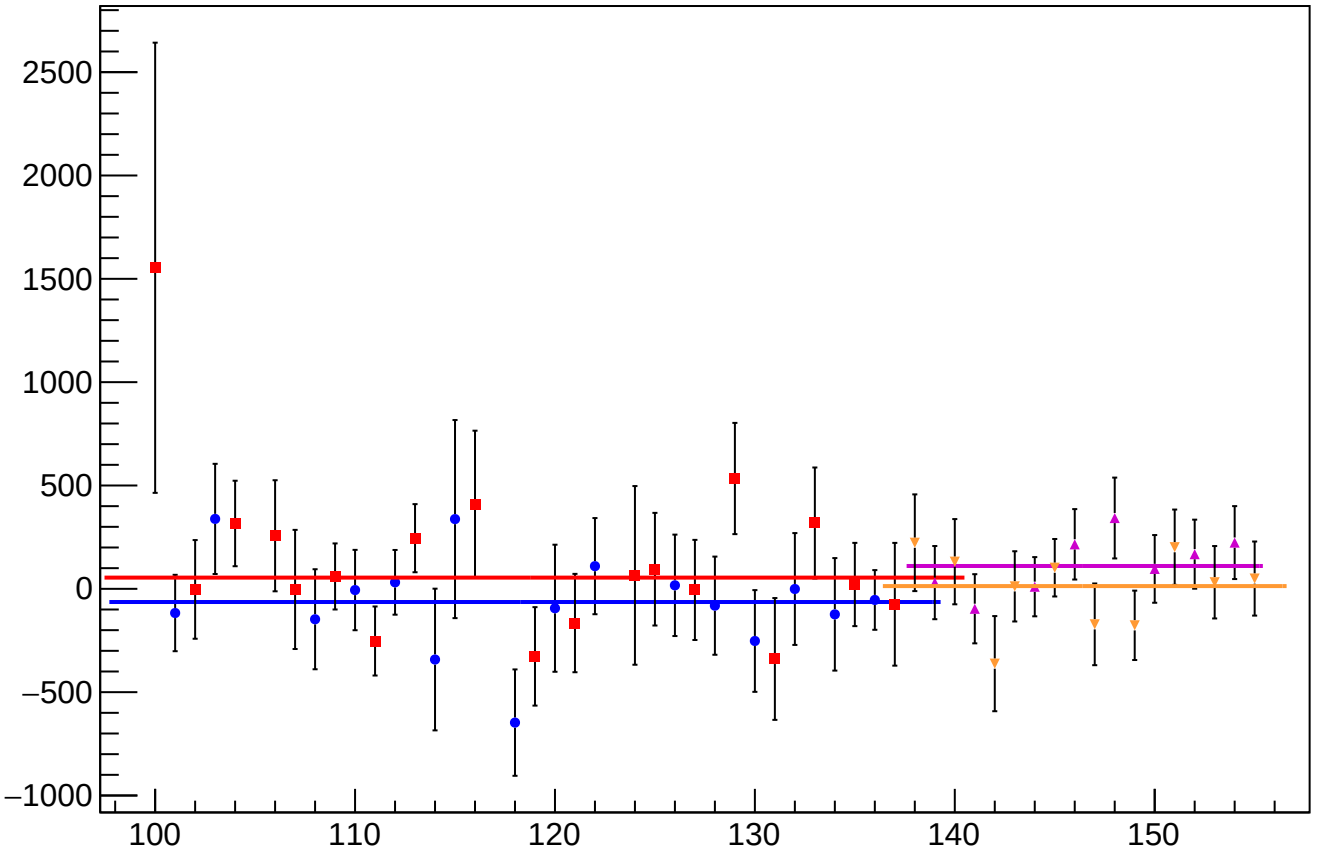
Left: 1110.549+/-0.207 χ^2/NDF: 851900.2/17

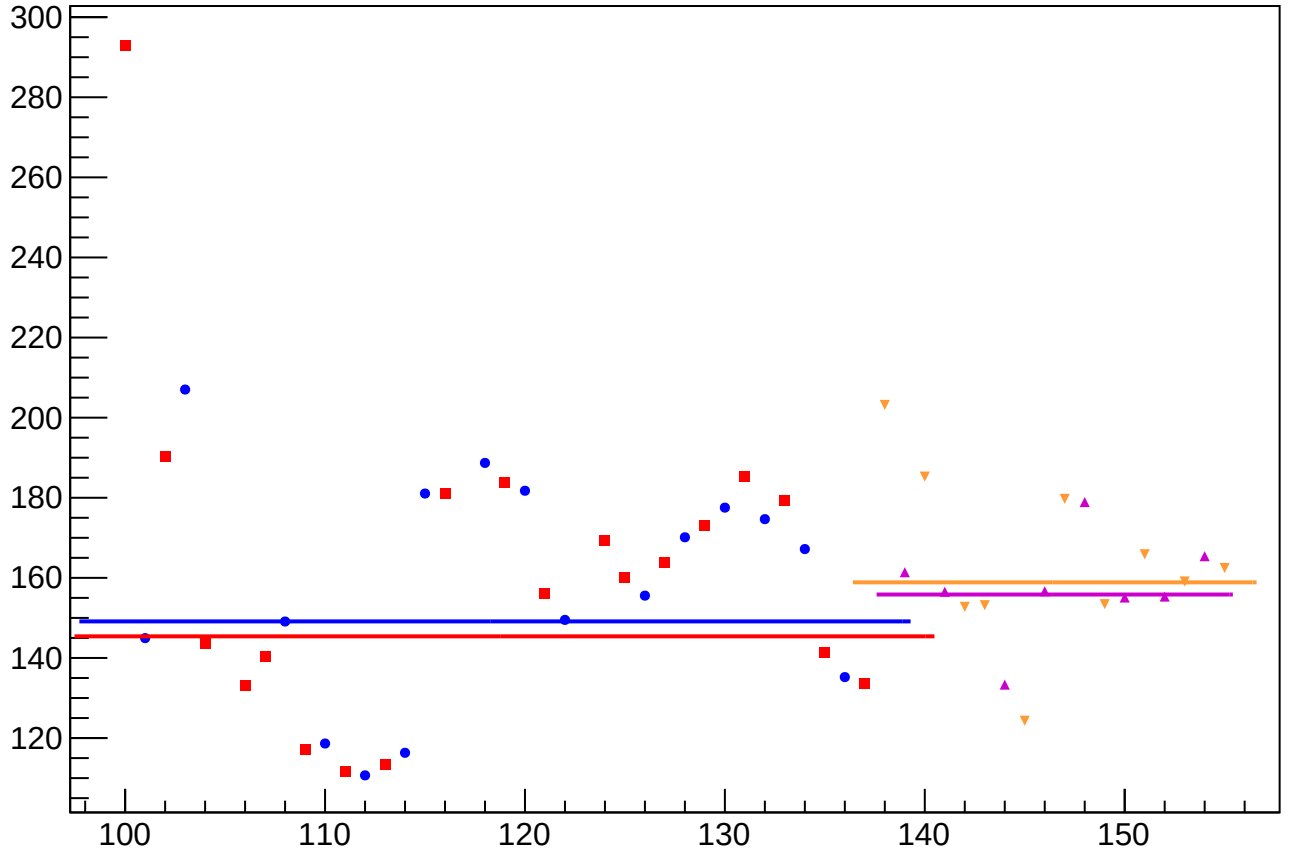
Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1187.084+/-0.230 χ^2/NDF:1669813.8/23

Out: 1160.790+/-0.218 χ^2/NDF:2000812.1/28

All: 1173.190+/-0.158 χ^2/NDF: 3677515.0/52


eigen_dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: -63.778+/-56.734 χ²/NDF: 10.8/15
Left Out: 13.278+/-57.552 χ²/NDF:7.5/9
Right Out: 54.304+/-54.743 χ²/NDF: 19.5/18
Left In: 110.524+/-59.527 χ²/NDF:4.6/7
Left: 60.261+/-41.376 χ²/NDF: 13.4/17
Right: -2.629+/-39.394 χ²/NDF: 32.6/34
In: 19.187+/-41.069 χ²/NDF:19.9/23
Out: 34.817+/-39.665 χ²/NDF:27.2/28
All: 27.274+/-28.531 χ²/NDF: 47.2/52



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 158.879+/-0.041 χ^2/NDF:259705.4/9

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 155.840+/-0.042 χ^2/NDF:85199.5/7

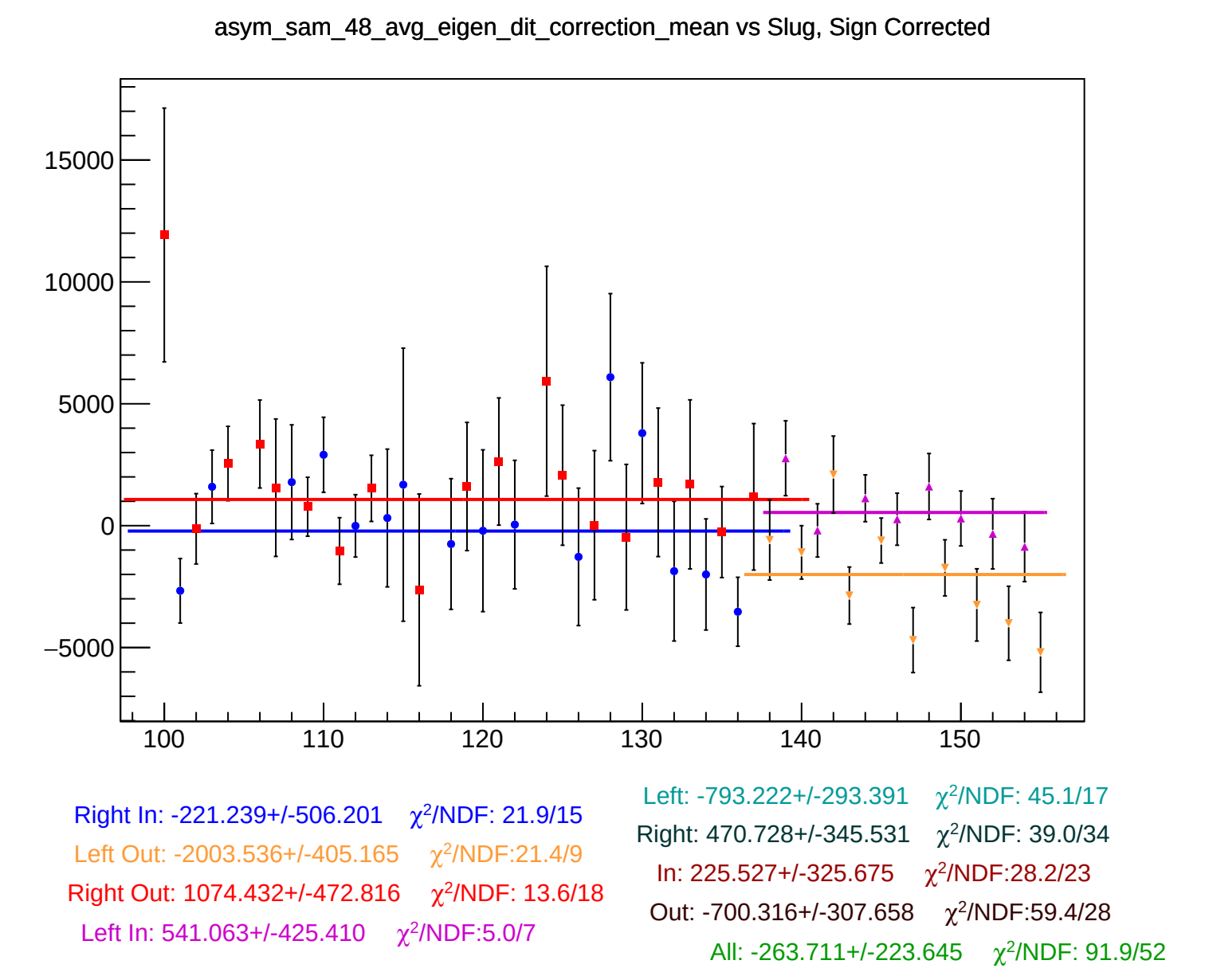
Left: 157.411+/-0.029 χ^2/NDF: 347600.7/17

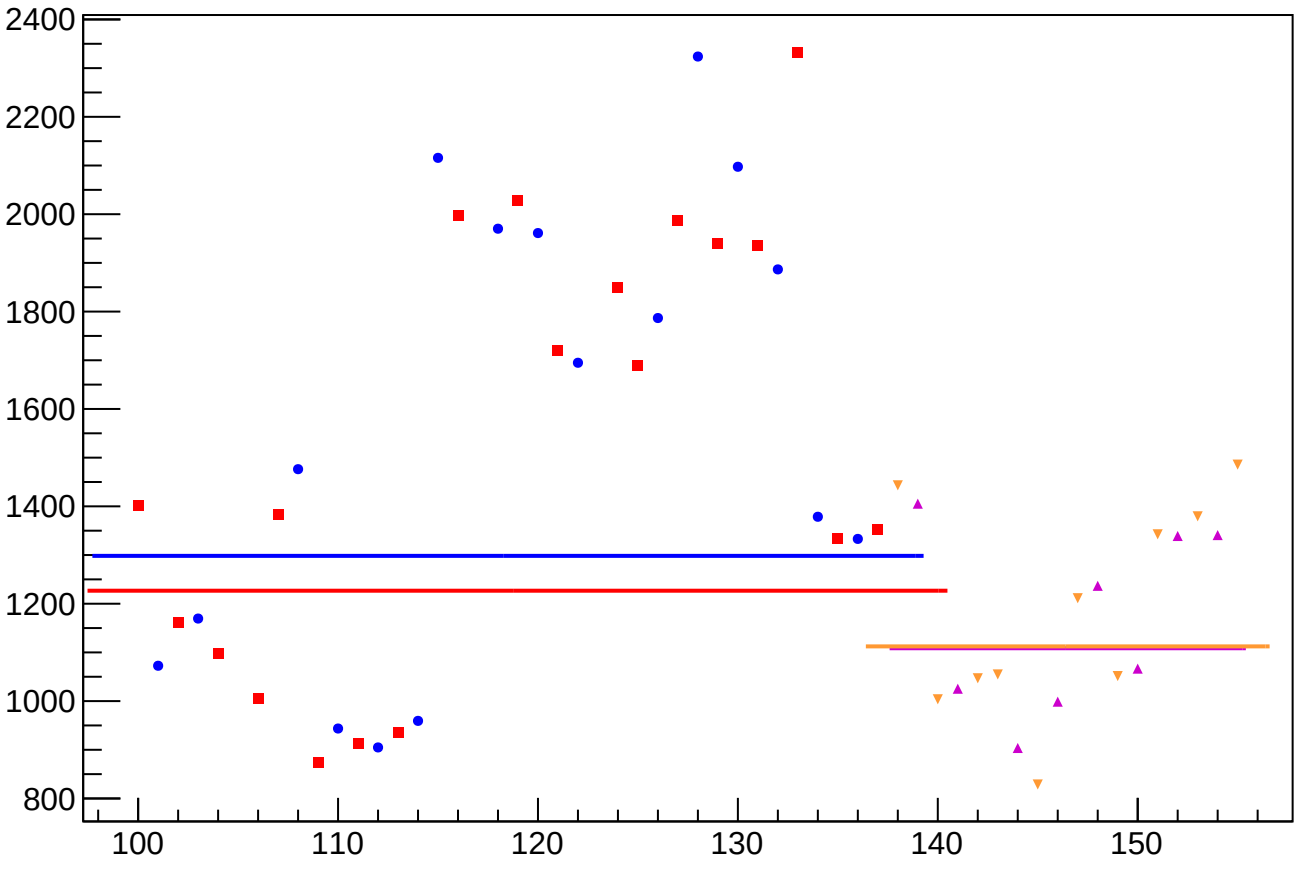
Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 152.324+/-0.029 χ^2/NDF:549518.4/23

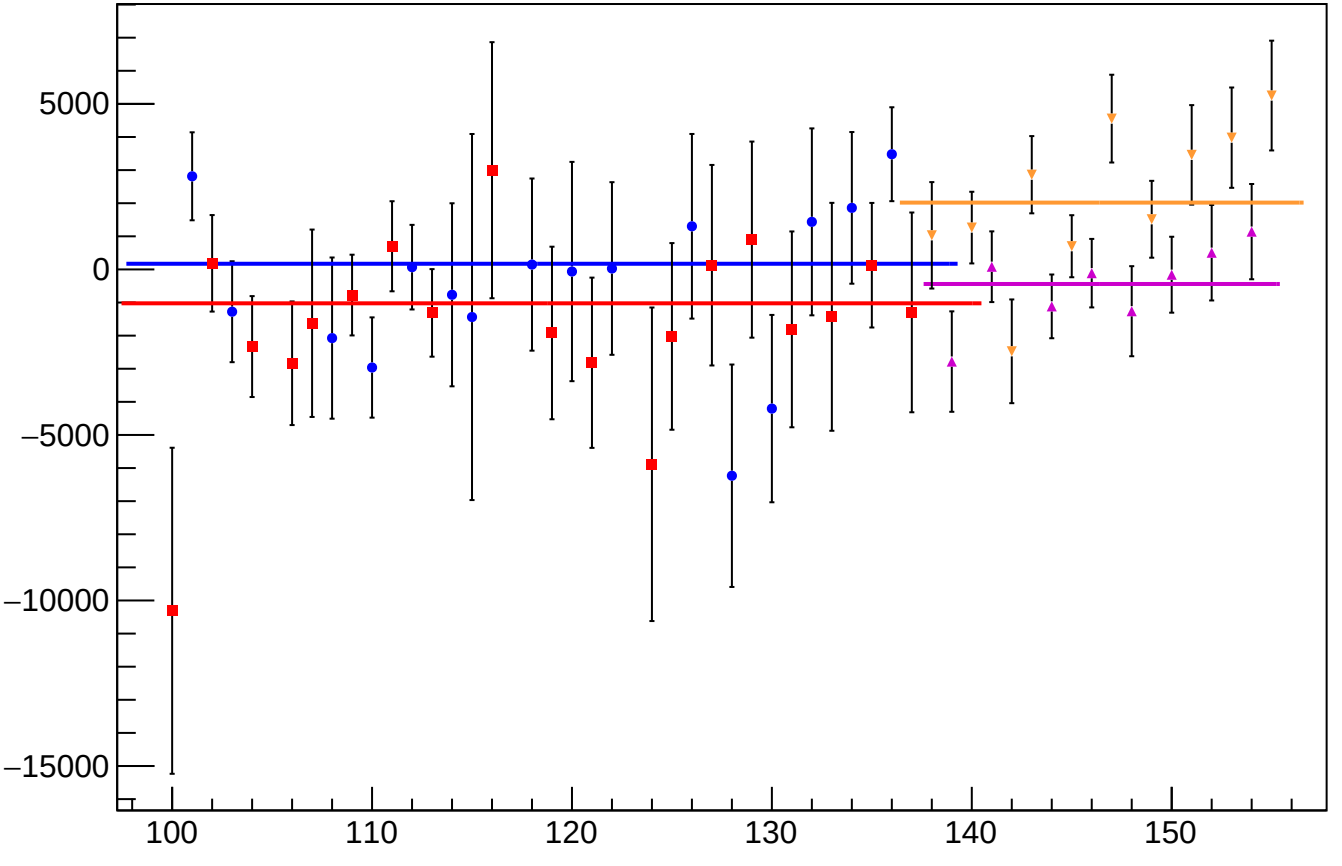
Out: 151.802+/-0.028 χ^2/NDF:843134.2/28

All: 152.054+/-0.020 χ^2/NDF: 1392819.5/52


asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
Right In: -221.239+/-506.201 χ²/NDF: 21.9/15
Left Out: -2003.536+/-405.165 χ²/NDF:21.4/9
Right Out: 1074.432+/-472.816 χ²/NDF: 13.6/18
Left In: 541.063+/-425.410 χ²/NDF:5.0/7
Left: -793.222+/-293.391 χ²/NDF: 45.1/17
Right: 470.728+/-345.531 χ²/NDF: 39.0/34
In: 225.527+/-325.675 χ²/NDF:28.2/23
Out: -700.316+/-307.658 χ²/NDF:59.4/28
All: -263.711+/-223.645 χ²/NDF: 91.9/52


asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1298.292+/-0.358 χ²/NDF: 1182127.2/15
Left Out: 1112.369+/-0.286 χ²/NDF:528832.7/9
Right Out: 1226.727+/-0.334 χ²/NDF: 1404524.7/18
Left In: 1108.540+/-0.301 χ²/NDF:322984.2/7
Left: 1110.548+/-0.207 χ²/NDF: 851901.9/17
Right: 1260.072+/-0.244 χ²/NDF: 2608000.5/34
In: 1187.083+/-0.230 χ²/NDF:1669816.3/23
Out: 1160.789+/-0.218 χ²/NDF:2000818.0/28
All: 1173.189+/-0.158 χ²/NDF: 3677523.6/52

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 2018.352+/-405.738 χ^2/NDF:21.8/9

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -439.712+/-423.009 χ^2/NDF:5.3/7

Left: 840.525+/-292.815 χ^2/NDF: 44.7/17

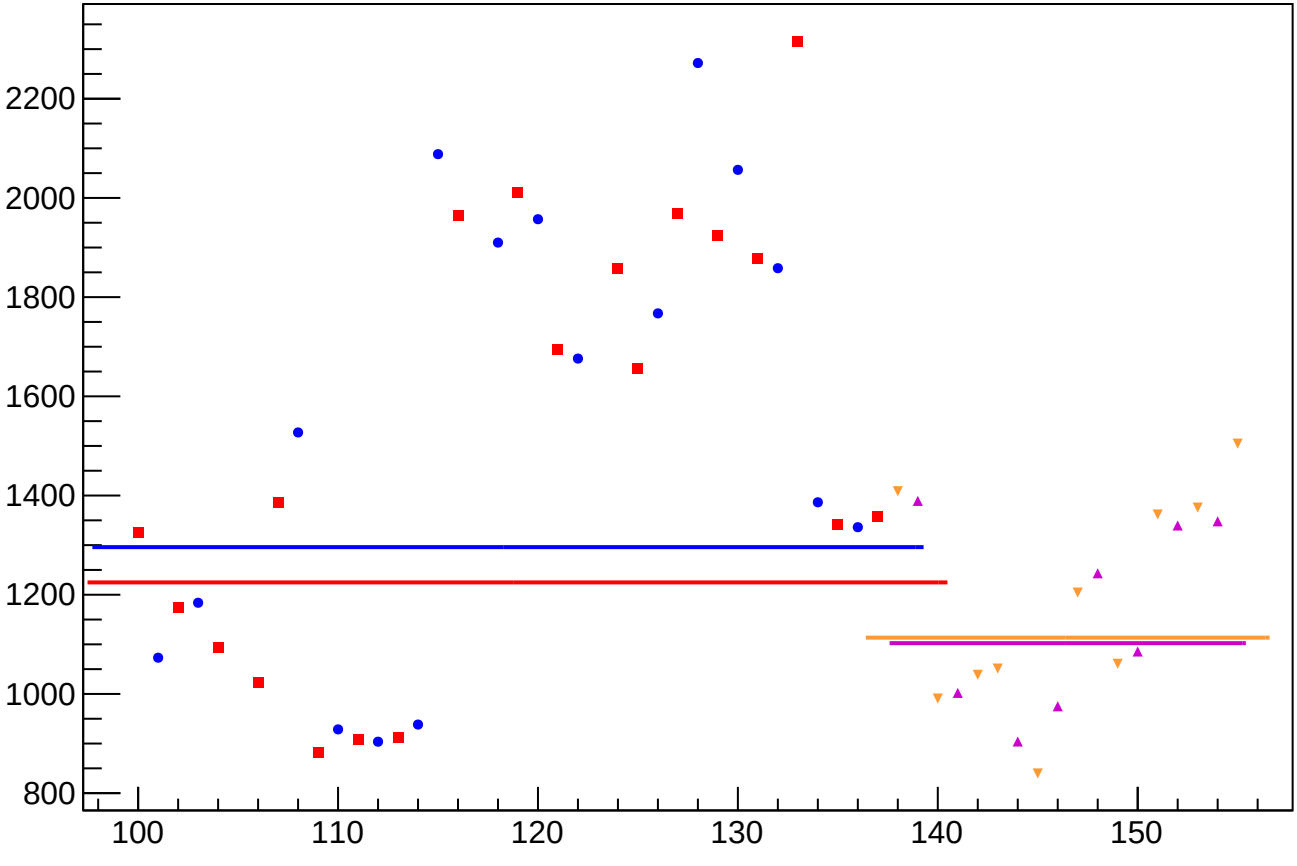
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -187.952+/-324.312 χ^2/NDF:28.7/23

Out: 725.703+/-307.685 χ^2/NDF:57.3/28

All: 292.896+/-223.213 χ^2/NDF: 90.2/52

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1113.532+/-0.287 χ^2/NDF:513498.0/9

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1102.420+/-0.299 χ^2/NDF:338477.5/7

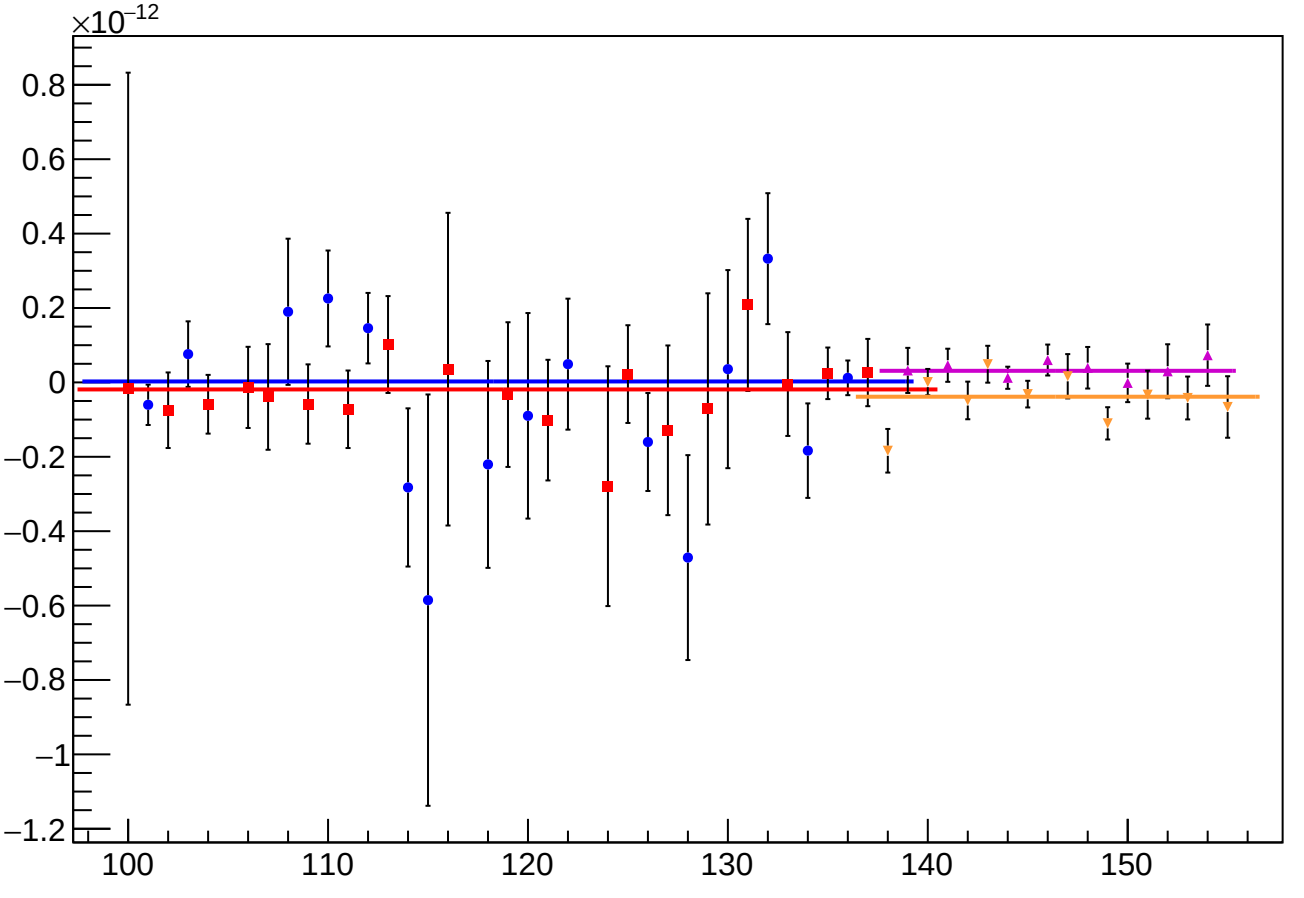
Left: 1108.208+/-0.207 χ^2/NDF: 852694.2/17

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1182.209+/-0.229 χ^2/NDF:1665287.7/23

Out: 1160.843+/-0.218 χ^2/NDF:1948779.3/28

All: 1170.964+/-0.158 χ^2/NDF: 3618635.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/9

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/7

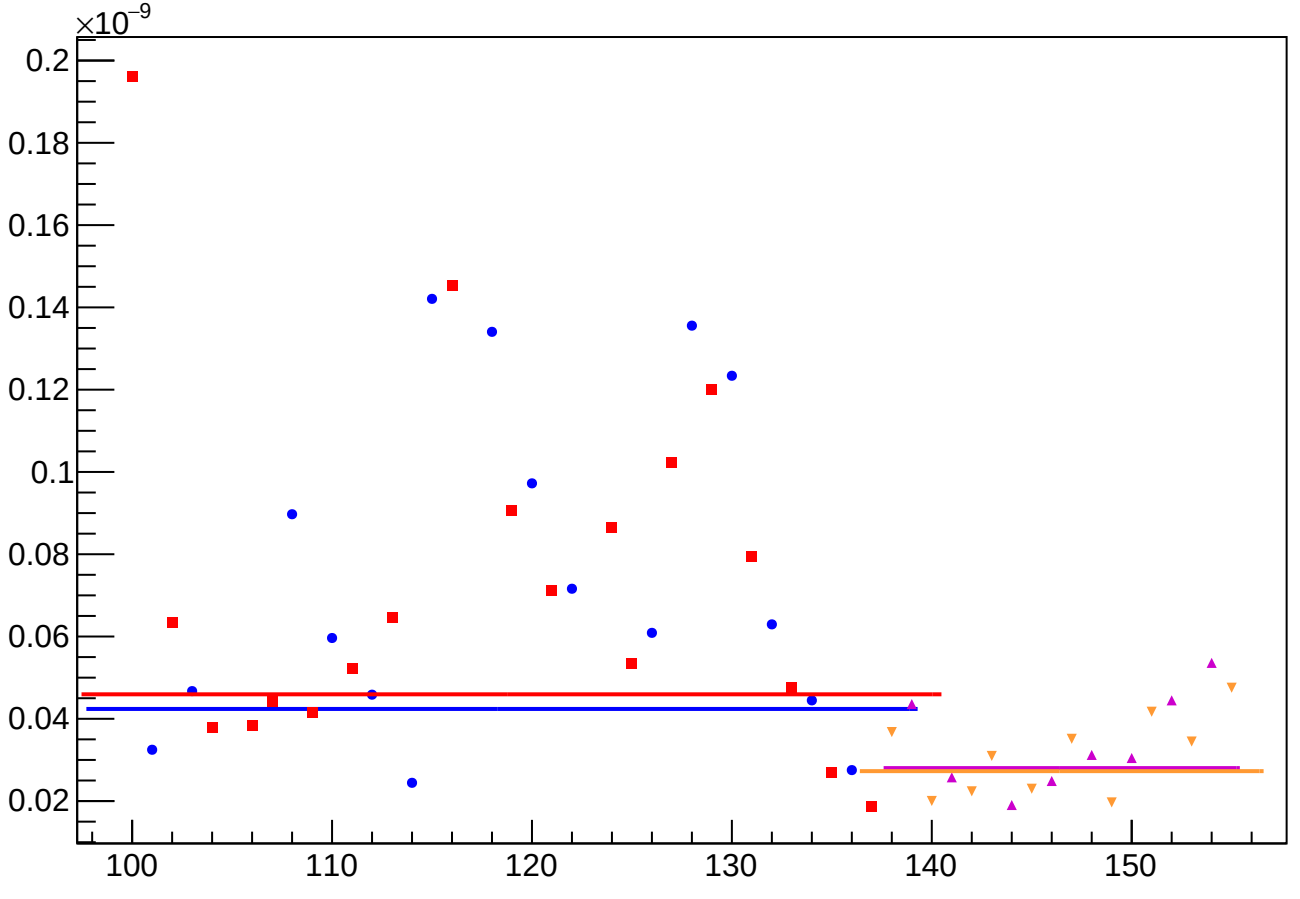
Left: -0.000+/-0.000 χ^2/NDF: 25.2/17

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:24.7/23

Out: -0.000+/-0.000 χ^2/NDF:19.4/28

All: -0.000+/-0.000 χ^2/NDF: 52.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:543124.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:636204.1/7

Left: 0.000+/-0.000 χ^2/NDF: 1181408.7/17

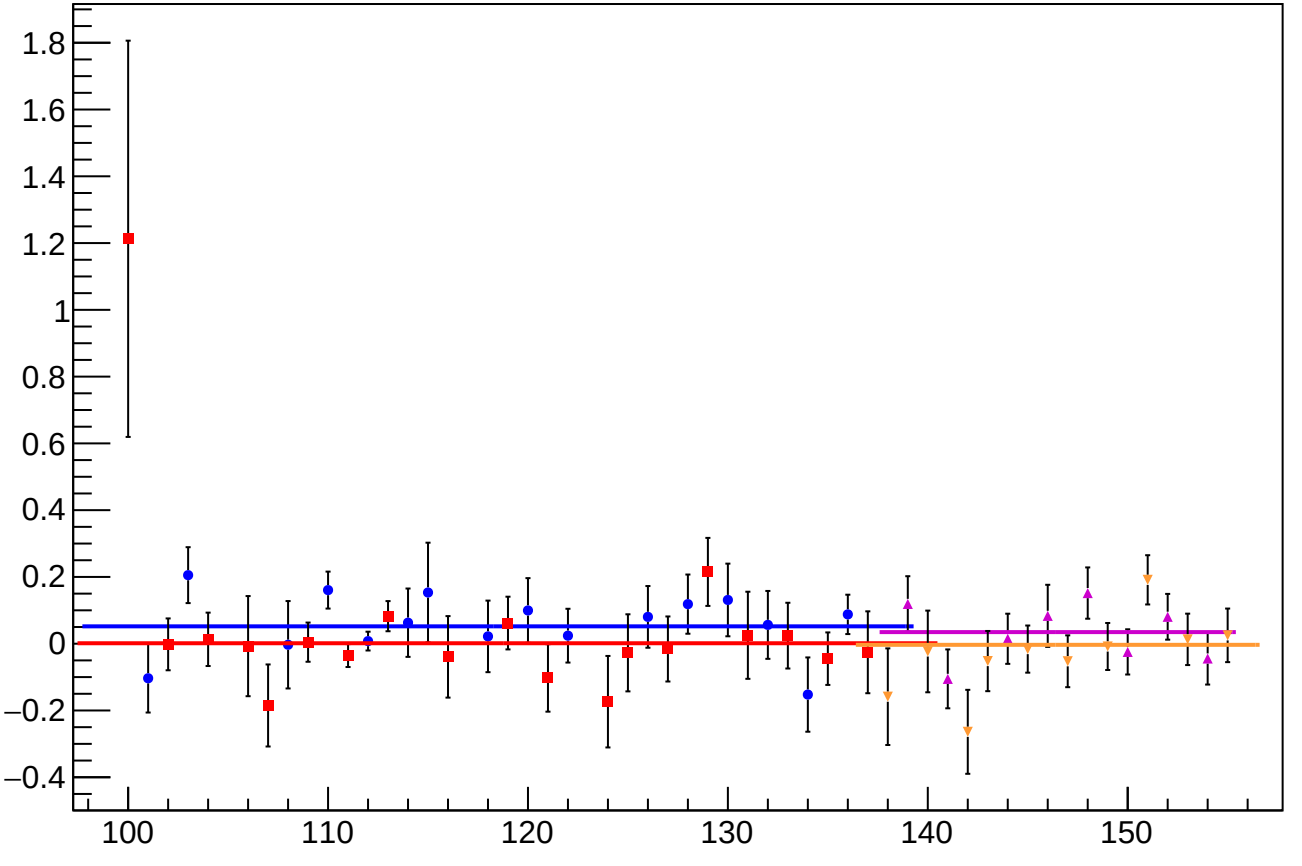
Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2389161.4/23

Out: 0.000+/-0.000 χ^2/NDF:2311100.1/28

All: 0.000+/-0.000 χ^2/NDF: 4702374.6/52

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.027 χ^2/NDF:13.3/9

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.035+/-0.027 χ^2/NDF:8.5/7

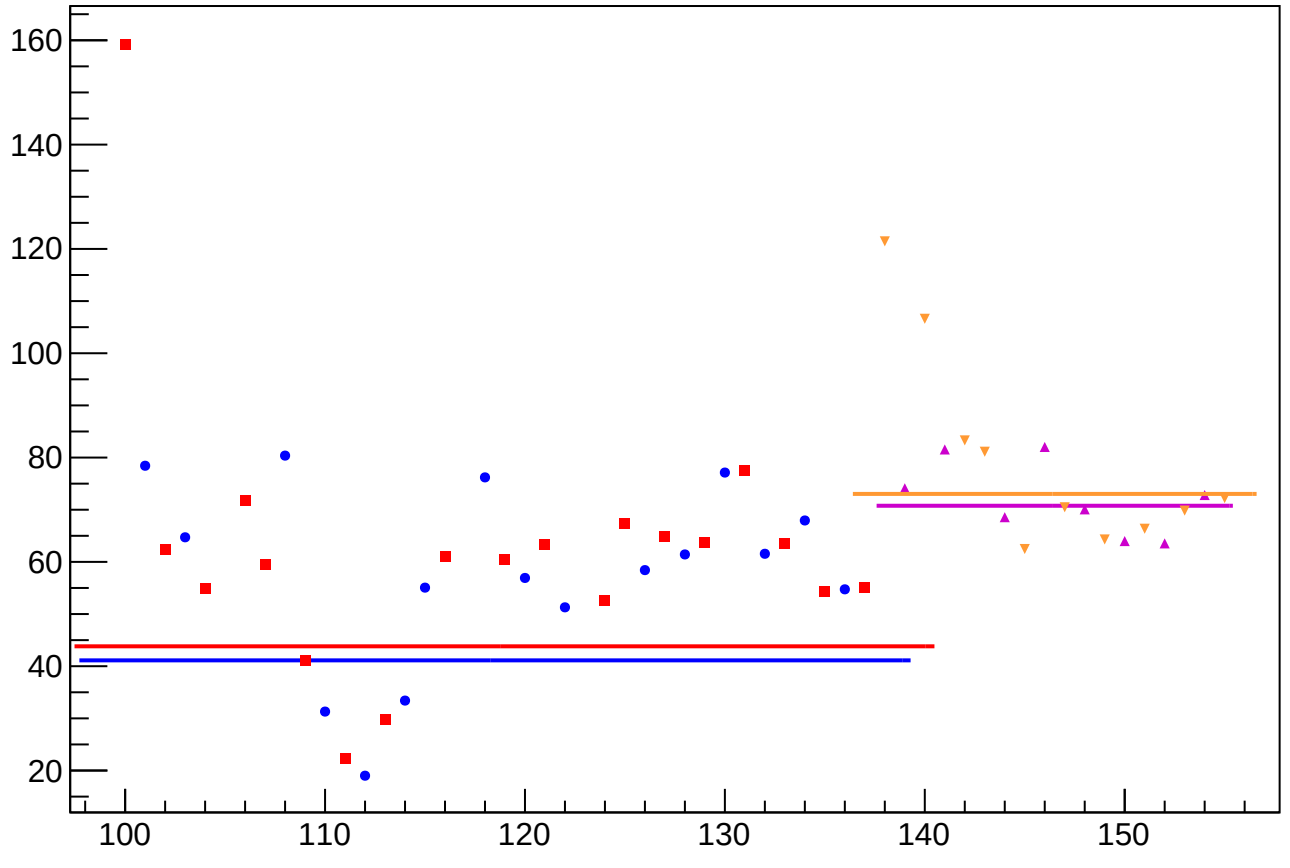
Left: 0.015+/-0.019 χ^2/NDF: 22.8/17

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.047+/-0.015 χ^2/NDF:26.7/23

Out: -0.000+/-0.015 χ^2/NDF:32.6/28

All: 0.023+/-0.011 χ^2/NDF: 64.3/52



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 73.031+/-0.019 χ^2/NDF:501788.9/9

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.762+/-0.019 χ^2/NDF:108009.4/7

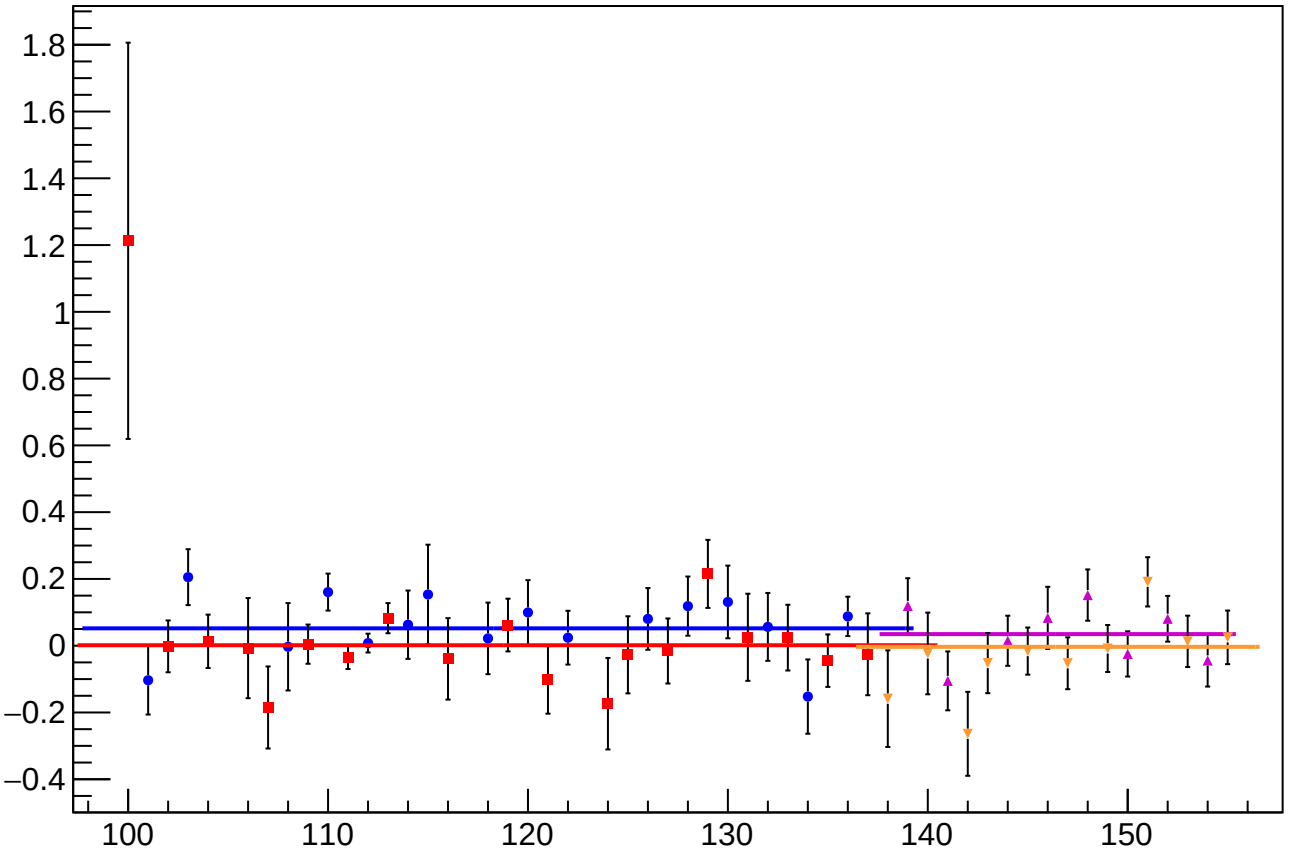
Left: 71.916+/-0.014 χ^2/NDF: 616768.3/17

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 49.894+/-0.011 χ^2/NDF:4680222.1/23

Out: 52.777+/-0.011 χ^2/NDF:4180027.3/28

All: 51.334+/-0.007 χ^2/NDF: 8897591.3/52



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.027 χ^2/NDF:13.3/9

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.035+/-0.027 χ^2/NDF:8.5/7

Left: 0.015+/-0.019 χ^2/NDF: 22.8/17

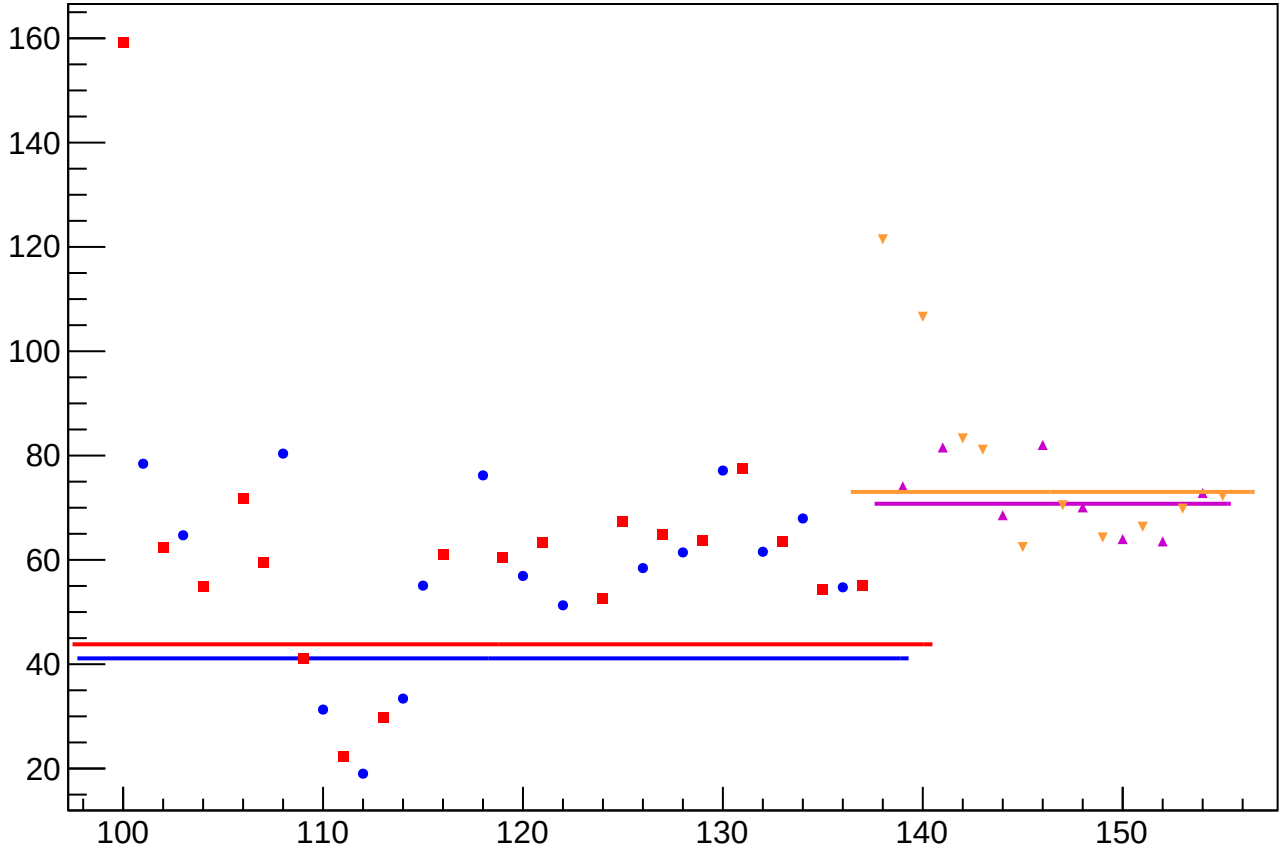
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.047+/-0.015 χ^2/NDF:26.7/23

Out: -0.000+/-0.015 χ^2/NDF:32.6/28

All: 0.023+/-0.011 χ^2/NDF: 64.3/52

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 73.031+/-0.019 χ^2/NDF:501788.9/9

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.762+/-0.019 χ^2/NDF:108009.4/7

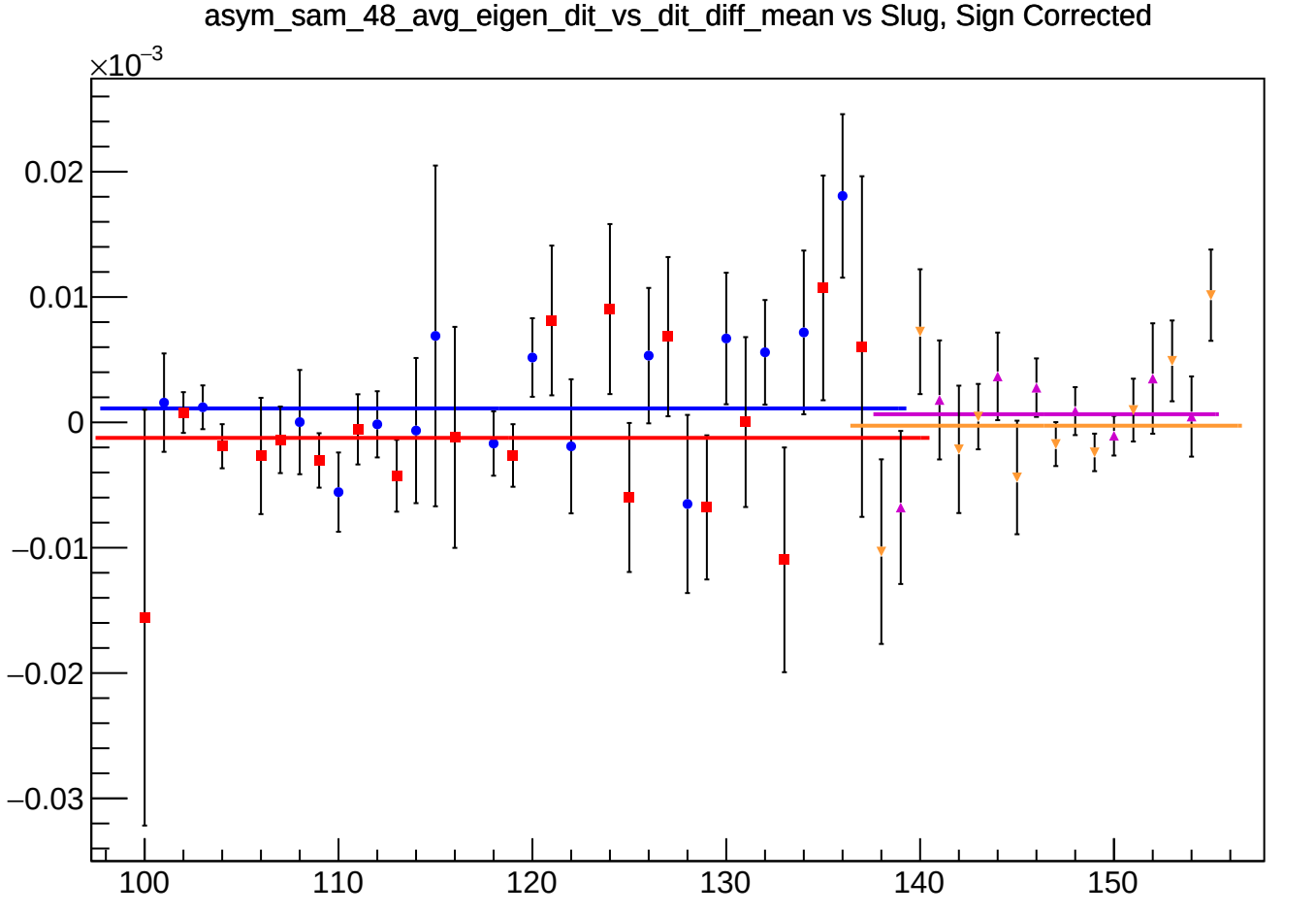
Left: 71.916+/-0.014 χ^2/NDF: 616768.3/17

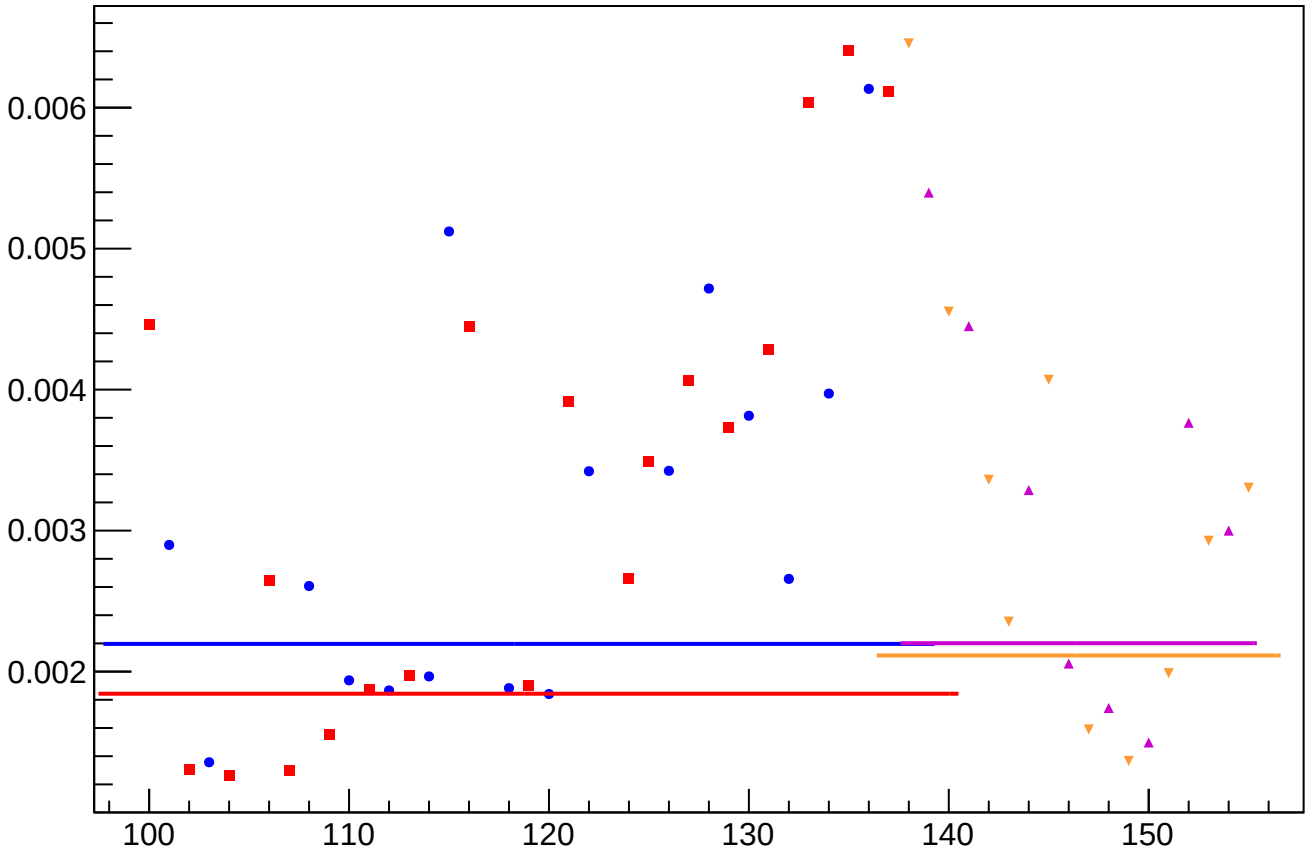
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 49.894+/-0.011 χ^2/NDF:4680222.1/23

Out: 52.777+/-0.011 χ^2/NDF:4180027.3/28

All: 51.334+/-0.007 χ^2/NDF: 8897591.3/52


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:18.9/9
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:4.7/7
Left: 0.000+/-0.000 χ²/NDF: 24.2/17
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:24.8/23
Out: -0.000+/-0.000 χ²/NDF:35.6/28
All: -0.000+/-0.000 χ²/NDF: 64.2/52



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2709820.3/9

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:2085435.6/7

Left: 0.002+/-0.000 χ^2/NDF: 4804821.3/17

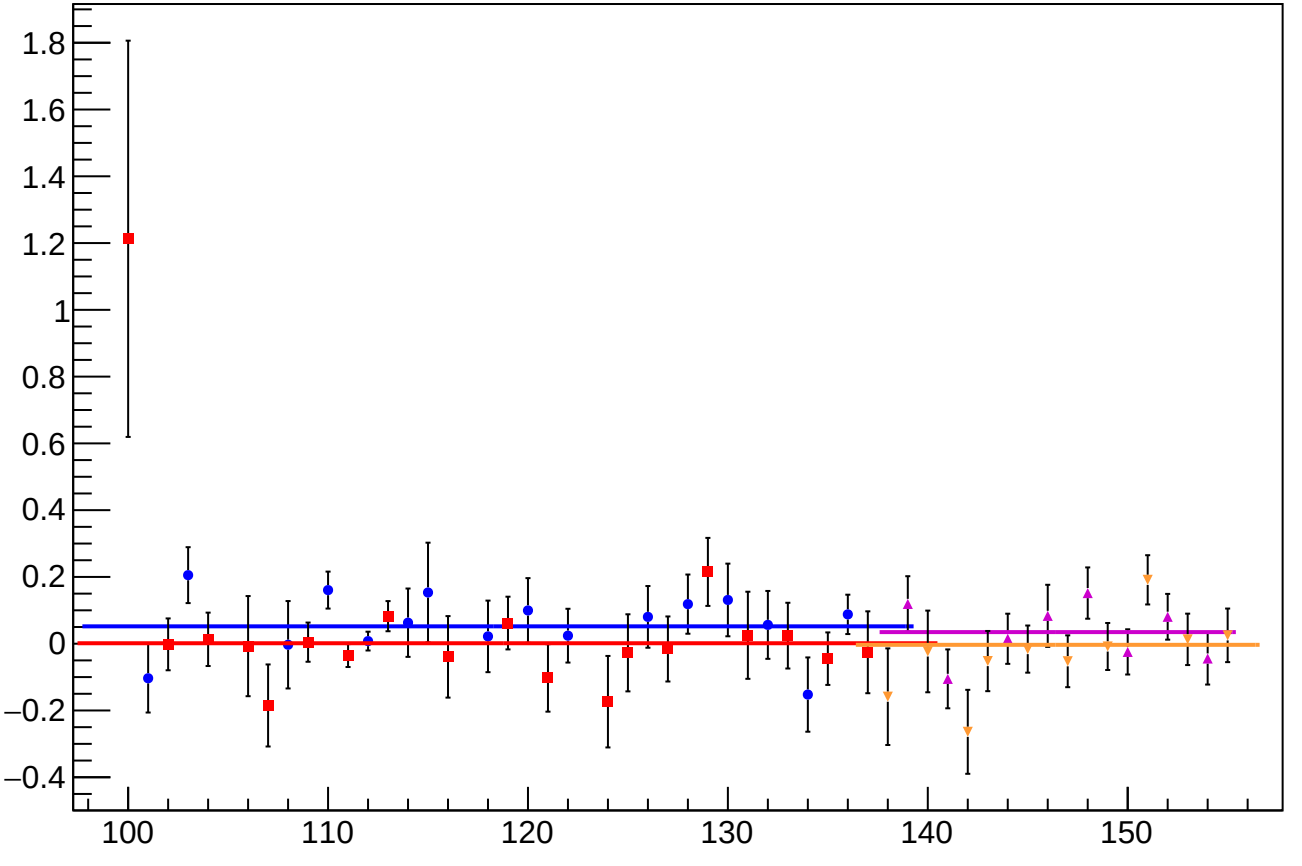
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:4378374.1/23

Out: 0.002+/-0.000 χ^2/NDF:5960712.8/28

All: 0.002+/-0.000 χ^2/NDF: 10486250.3/52

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: -0.003+/-0.027 χ^2/NDF:13.3/9

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.035+/-0.027 χ^2/NDF:8.5/7

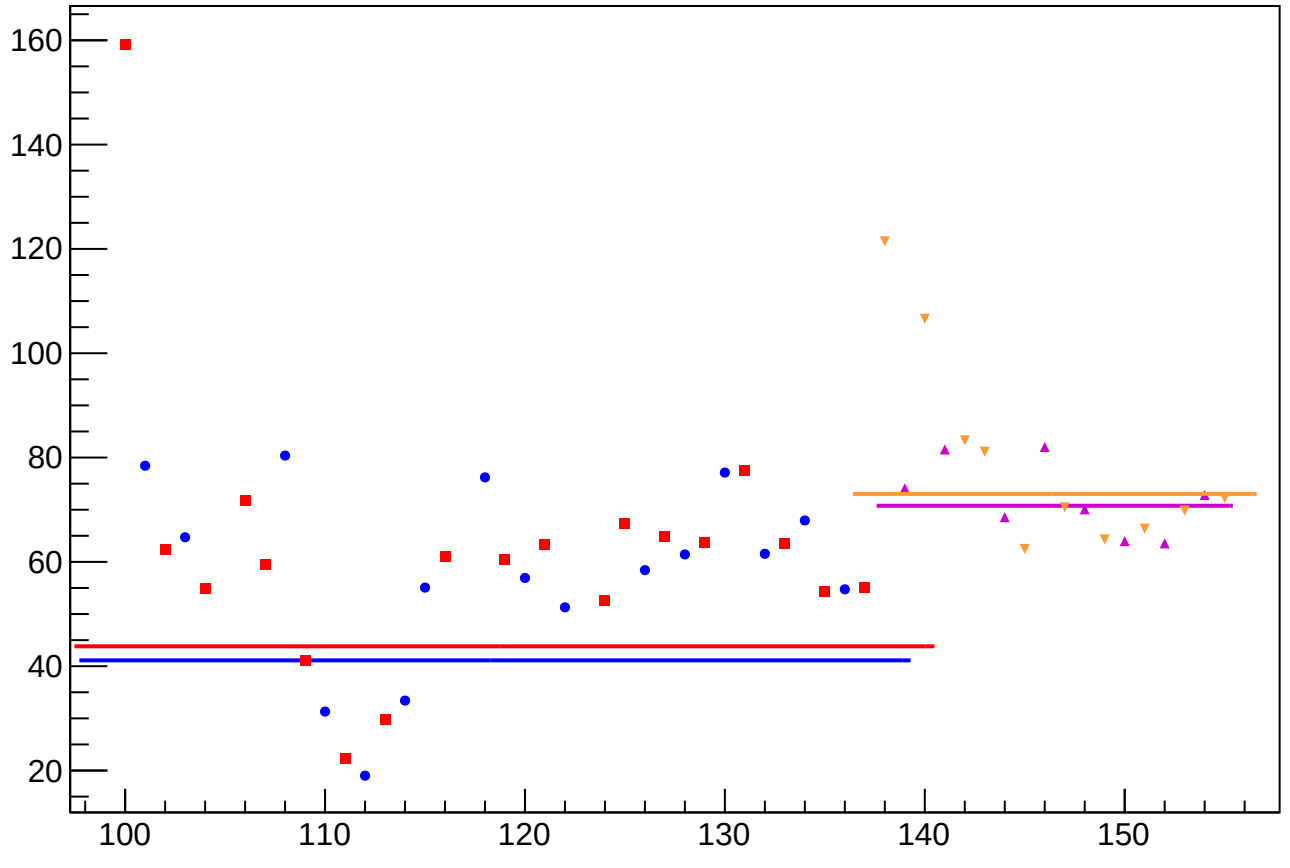
Left: 0.015+/-0.019 χ^2/NDF: 22.8/17

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.047+/-0.015 χ^2/NDF:26.7/23

Out: -0.000+/-0.015 χ^2/NDF:32.6/28

All: 0.023+/-0.011 χ^2/NDF: 64.3/52



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 73.032+/-0.019 χ^2/NDF:501764.9/9

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.763+/-0.019 χ^2/NDF:108007.7/7

Left: 71.917+/-0.014 χ^2/NDF: 616743.2/17

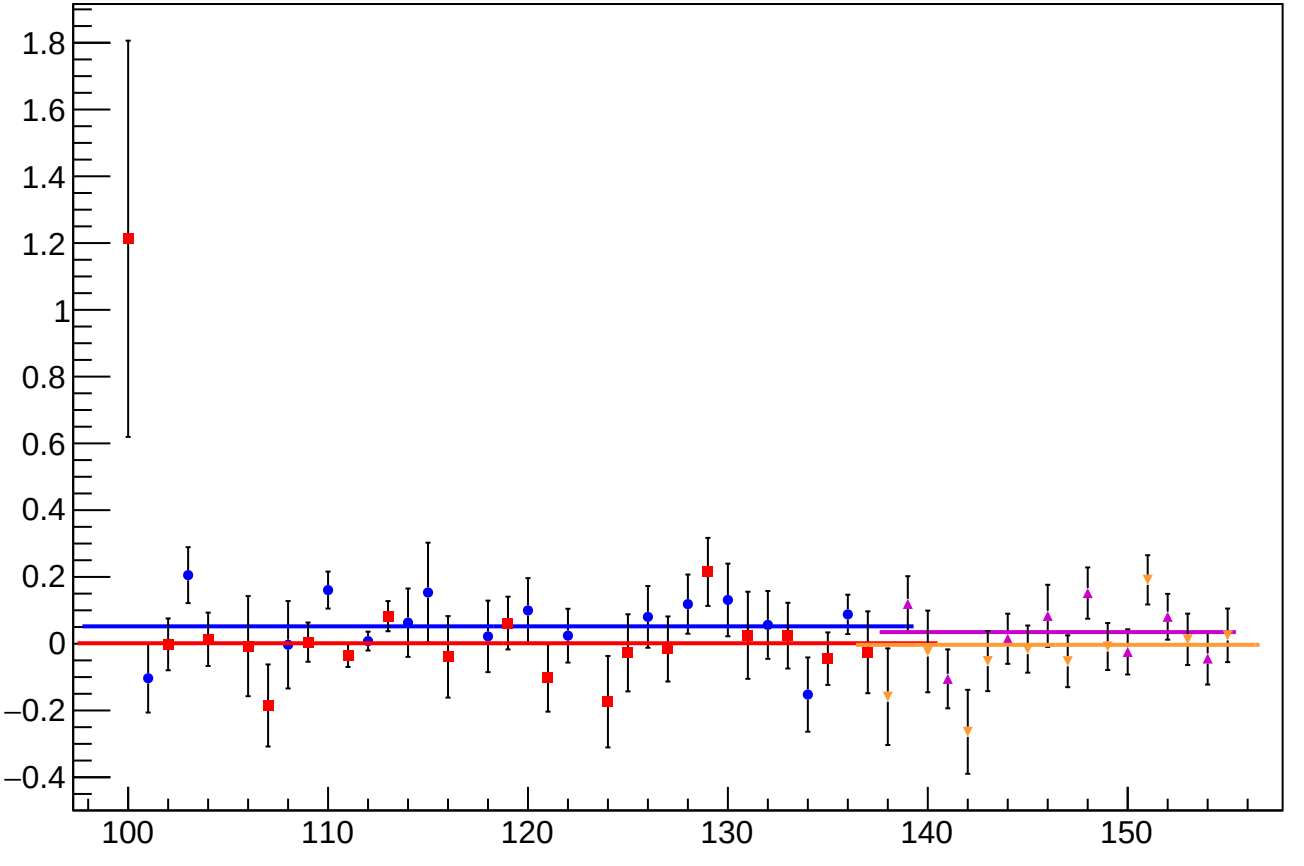
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 49.894+/-0.011 χ^2/NDF:4680559.9/23

Out: 52.777+/-0.011 χ^2/NDF:4180366.4/28

All: 51.334+/-0.007 χ^2/NDF: 8898270.7/52

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: -0.003+/-0.027 χ^2/NDF:13.3/9

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.035+/-0.027 χ^2/NDF:8.5/7

Left: 0.015+/-0.019 χ^2/NDF: 22.8/17

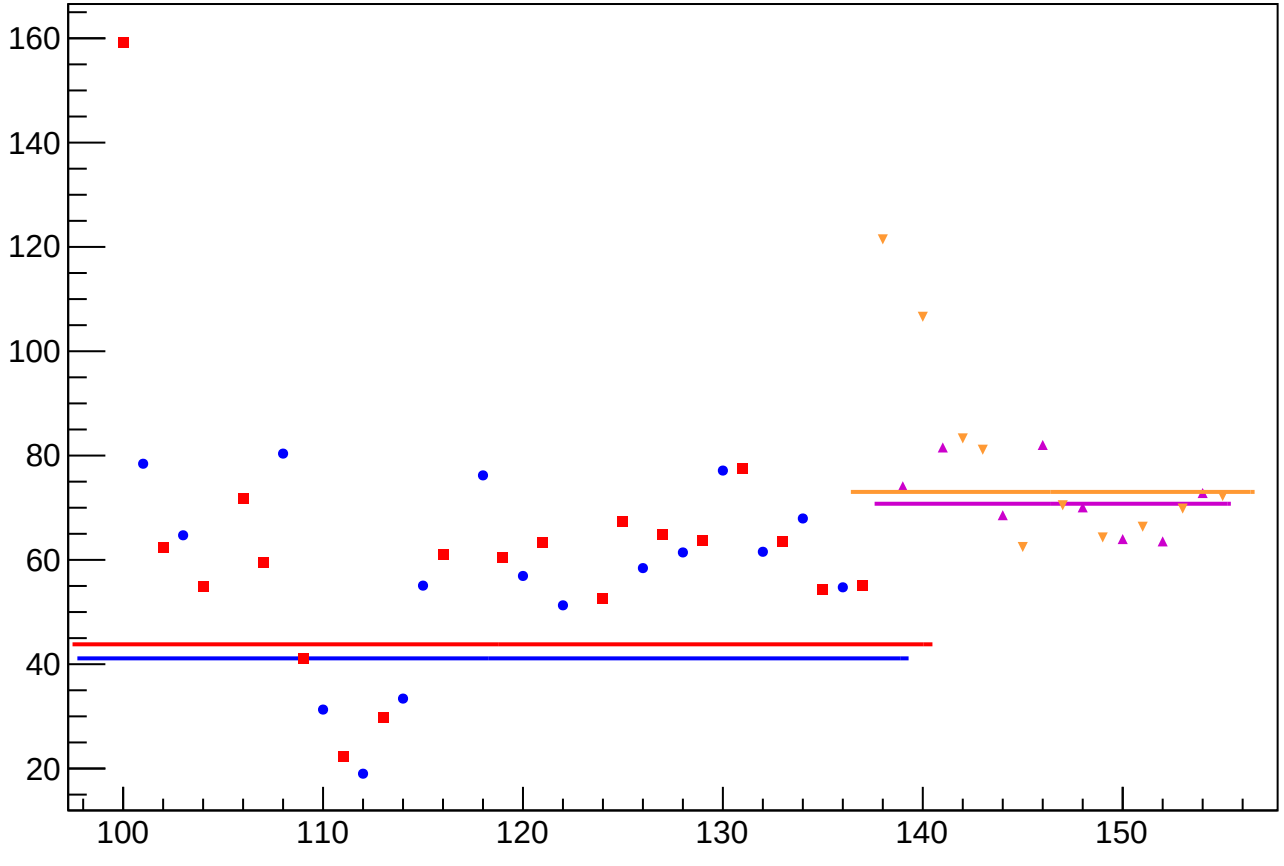
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.047+/-0.015 χ^2/NDF:26.7/23

Out: -0.000+/-0.015 χ^2/NDF:32.6/28

All: 0.023+/-0.011 χ^2/NDF: 64.3/52

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: 73.032+/-0.019 χ^2/NDF:501764.9/9

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.763+/-0.019 χ^2/NDF:108007.7/7

Left: 71.917+/-0.014 χ^2/NDF: 616743.2/17

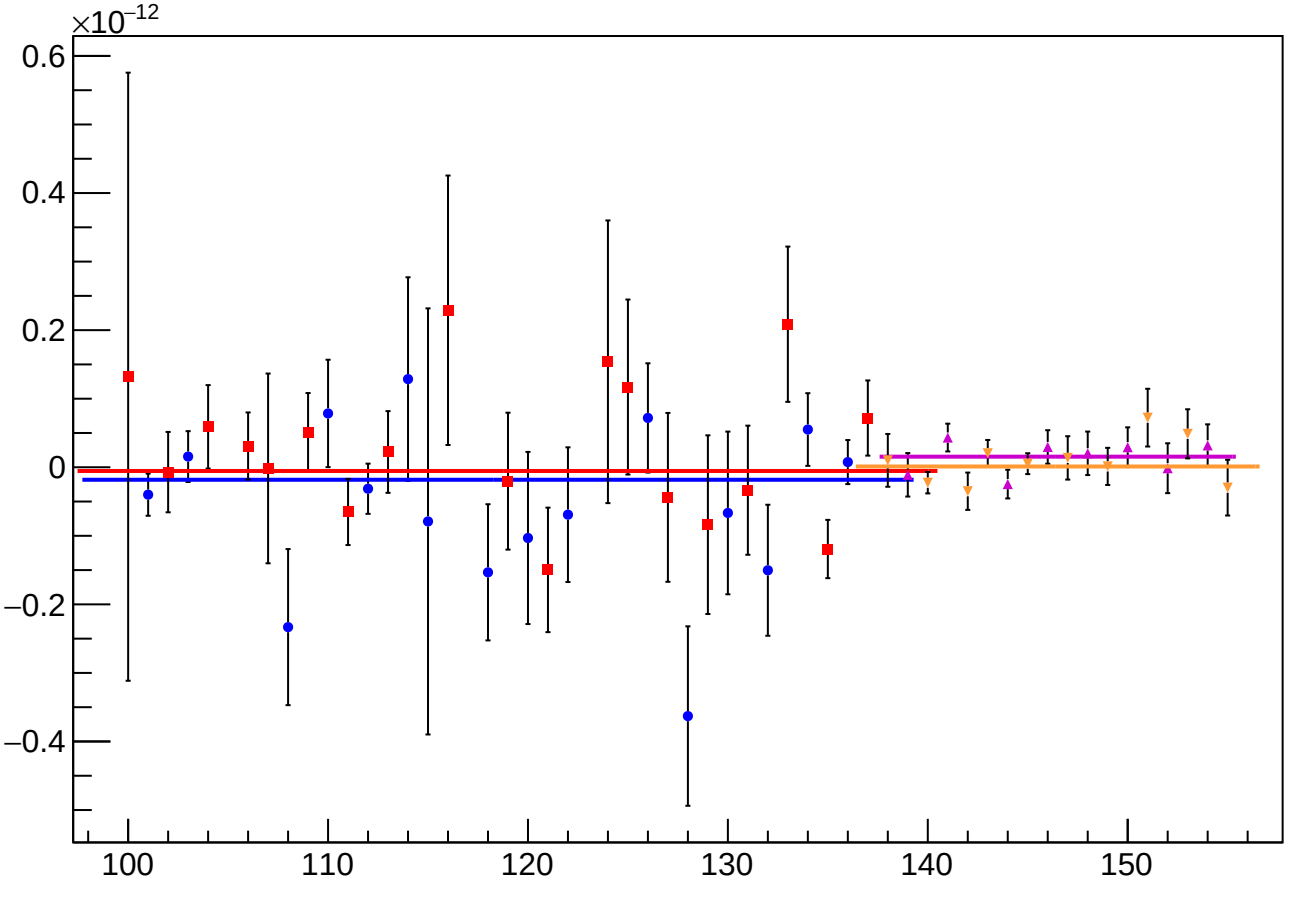
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 49.894+/-0.011 χ^2/NDF:4680559.9/23

Out: 52.777+/-0.011 χ^2/NDF:4180366.4/28

All: 51.334+/-0.007 χ^2/NDF: 8898270.7/52

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/9

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/7

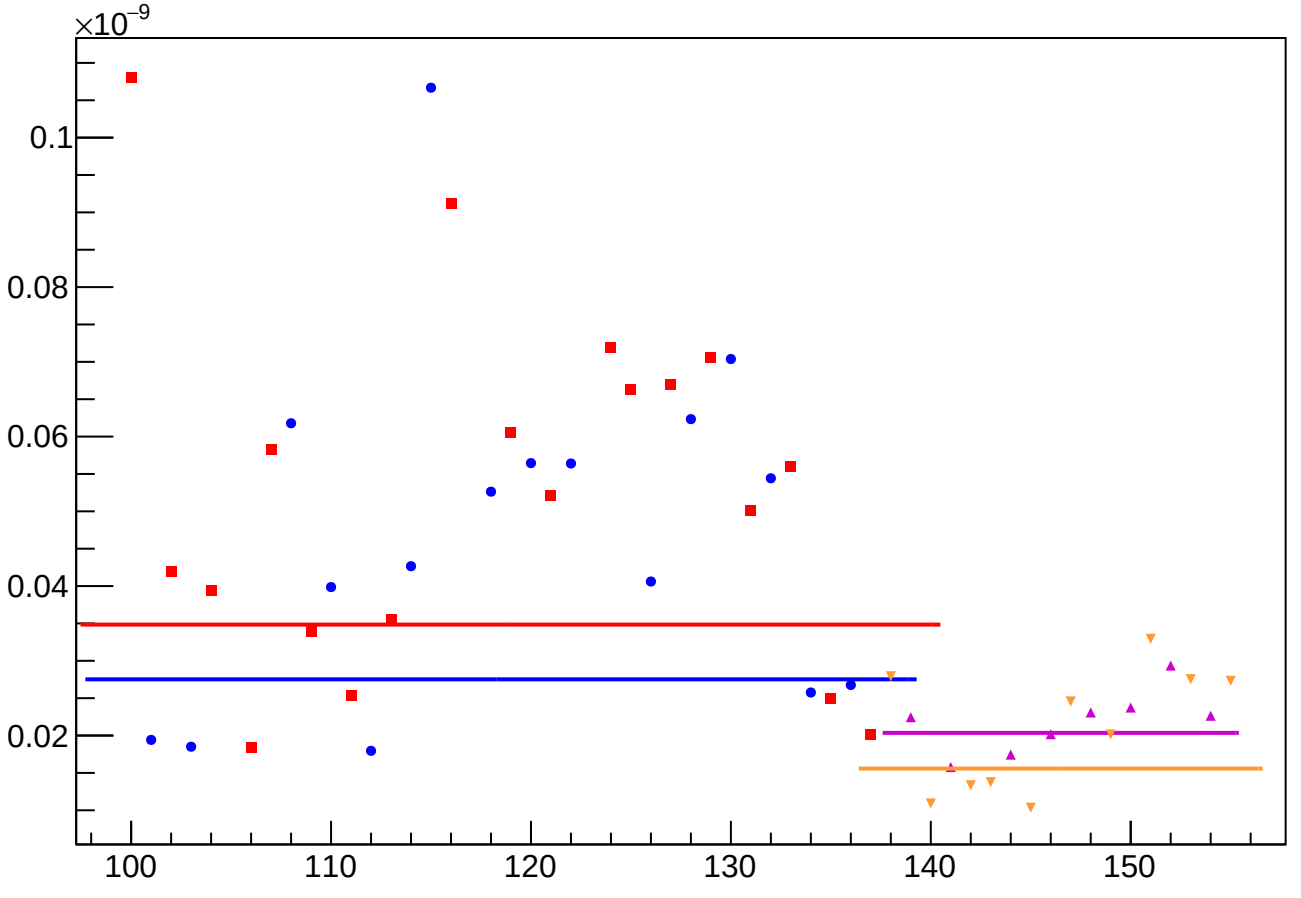
Left: 0.000+/-0.000 χ^2/NDF: 19.3/17

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:34.2/23

Out: 0.000+/-0.000 χ^2/NDF:34.0/28

All: 0.000+/-0.000 χ^2/NDF: 68.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1600587.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:325528.5/7

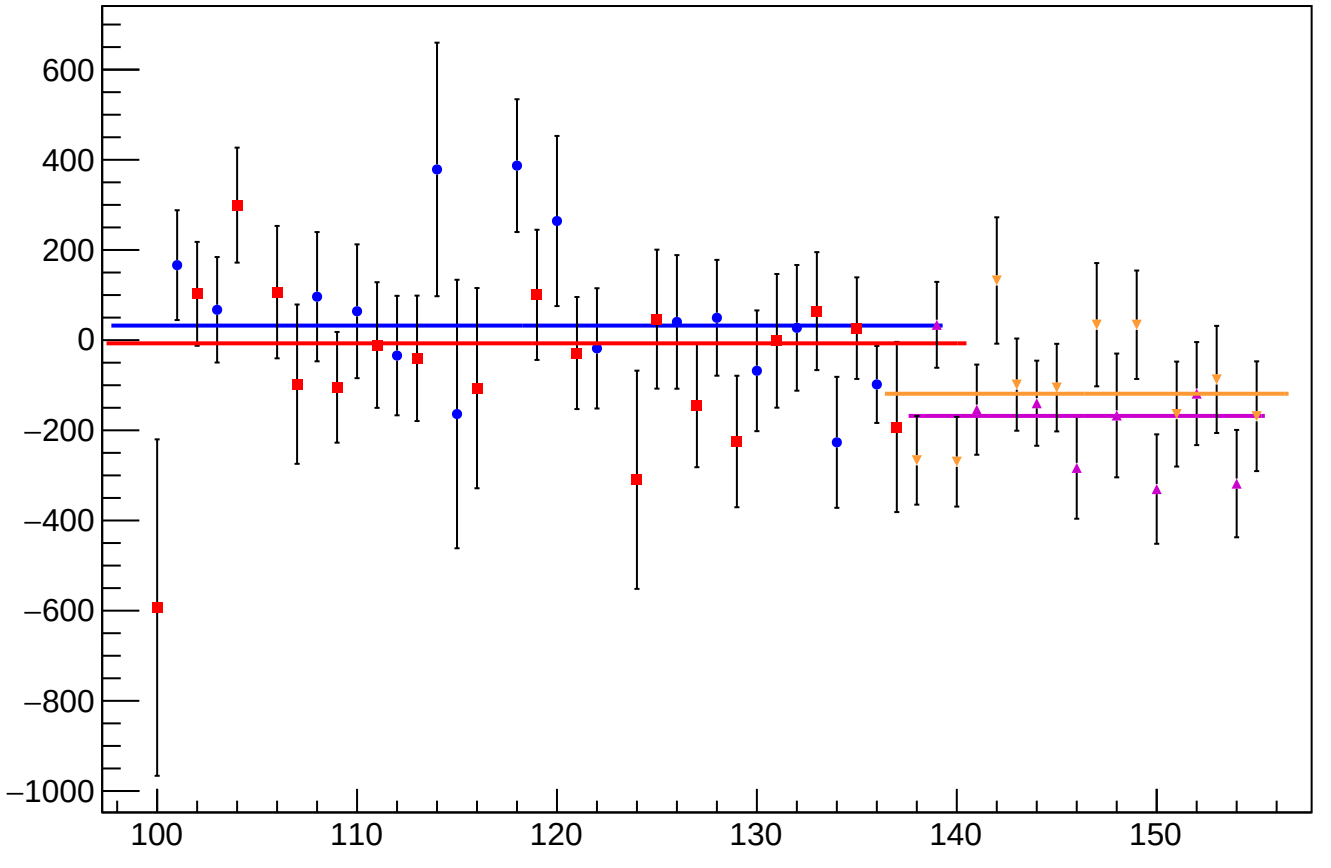
Left: 0.000+/-0.000 χ^2/NDF: 2240138.4/17

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2472534.0/23

Out: 0.000+/-0.000 χ^2/NDF:5486004.5/28

All: 0.000+/-0.000 χ^2/NDF: 8197297.9/52



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -118.862+/-35.540 χ^2/NDF:11.1/9

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -168.051+/-38.656 χ^2/NDF:9.2/7

Left: -141.395+/-26.163 χ^2/NDF: 21.2/17

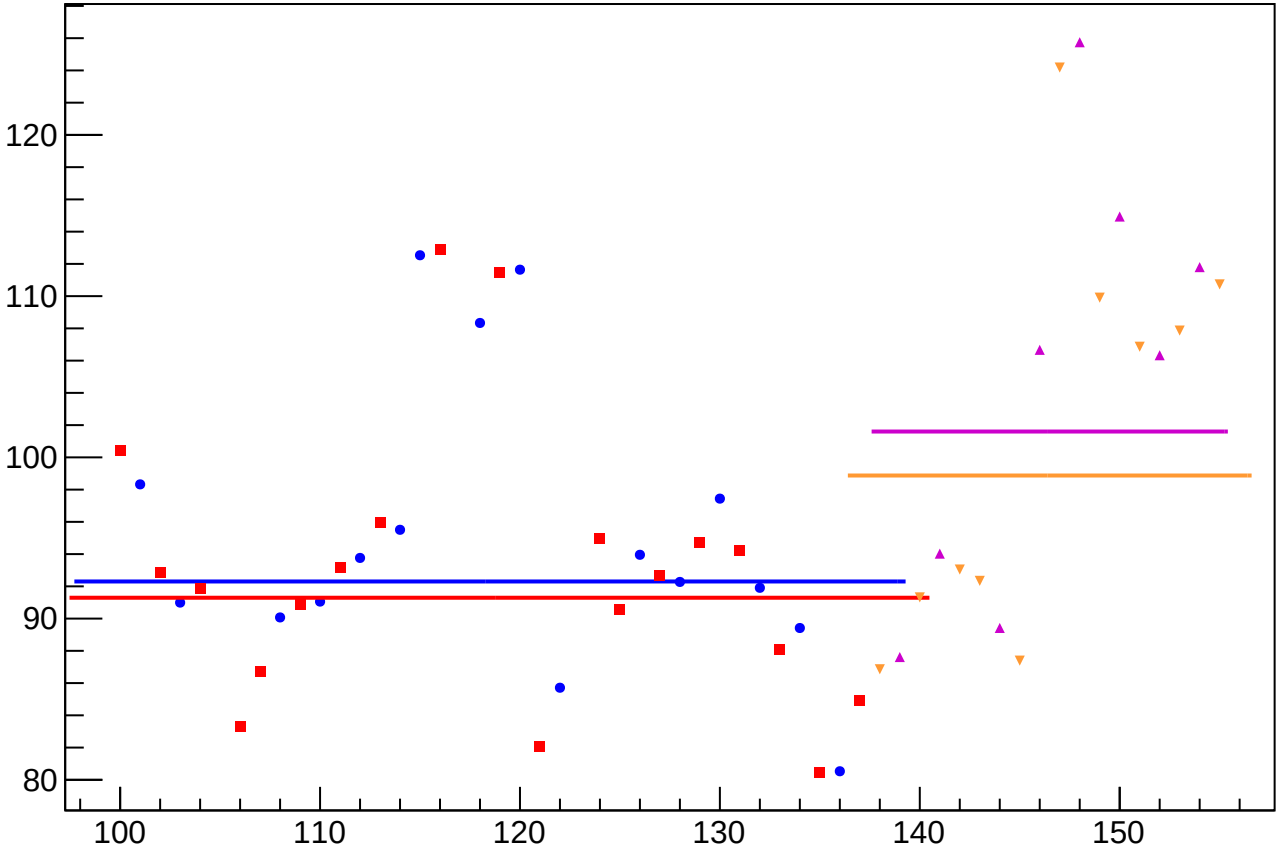
Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -56.327+/-25.710 χ^2/NDF:41.5/23

Out: -59.532+/-24.347 χ^2/NDF:34.1/28

All: -58.017+/-17.678 χ^2/NDF: 75.6/52

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 98.875+/-0.025 χ^2/NDF:206192.5/9

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 101.603+/-0.027 χ^2/NDF:196097.1/7

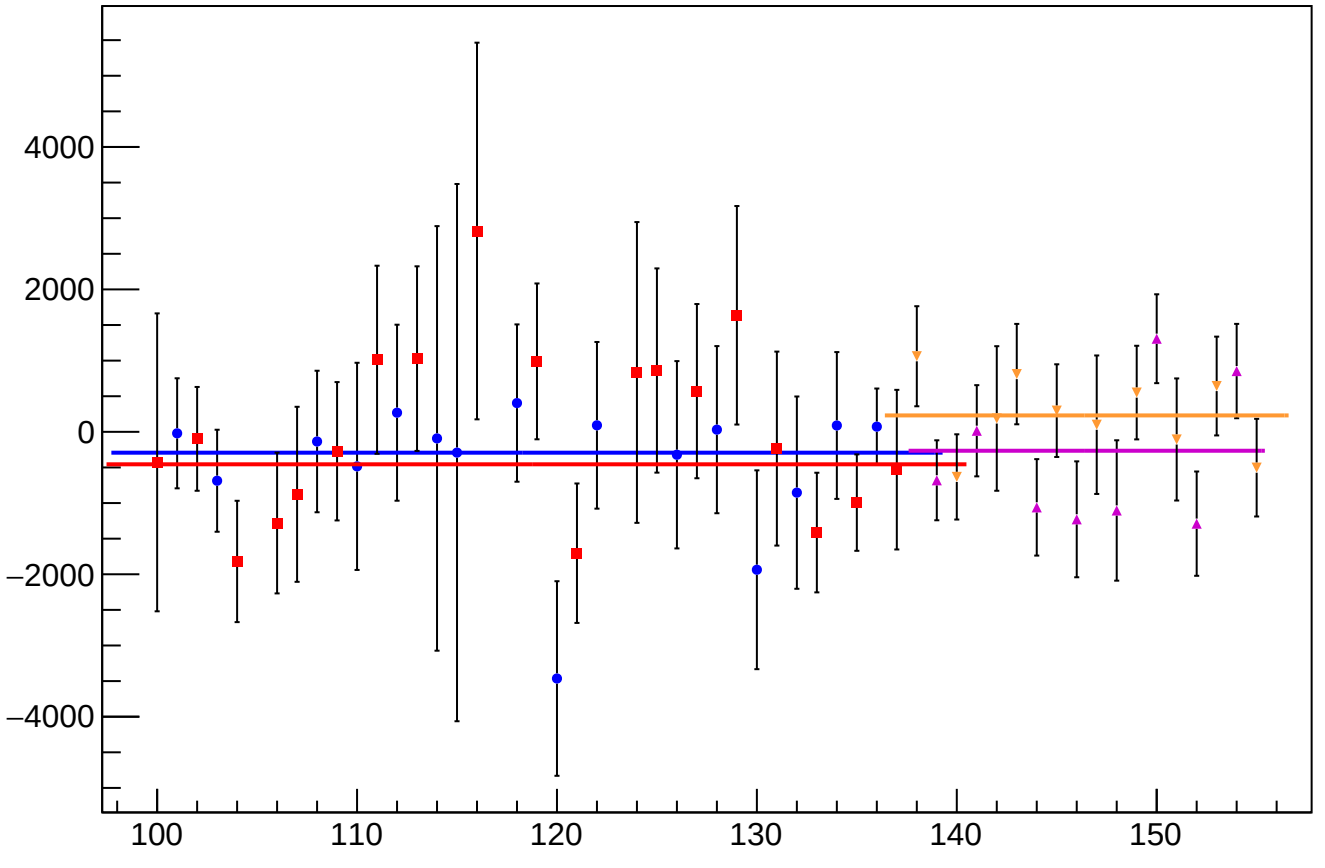
Left: 100.124+/-0.019 χ^2/NDF: 407686.9/17

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 96.416+/-0.018 χ^2/NDF:367721.1/23

Out: 94.851+/-0.017 χ^2/NDF:359586.5/28

All: 95.591+/-0.013 χ^2/NDF: 731214.8/52



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 230.569+/-228.806 χ^2/NDF:6.1/9

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -265.481+/-242.226 χ^2/NDF:15.4/7

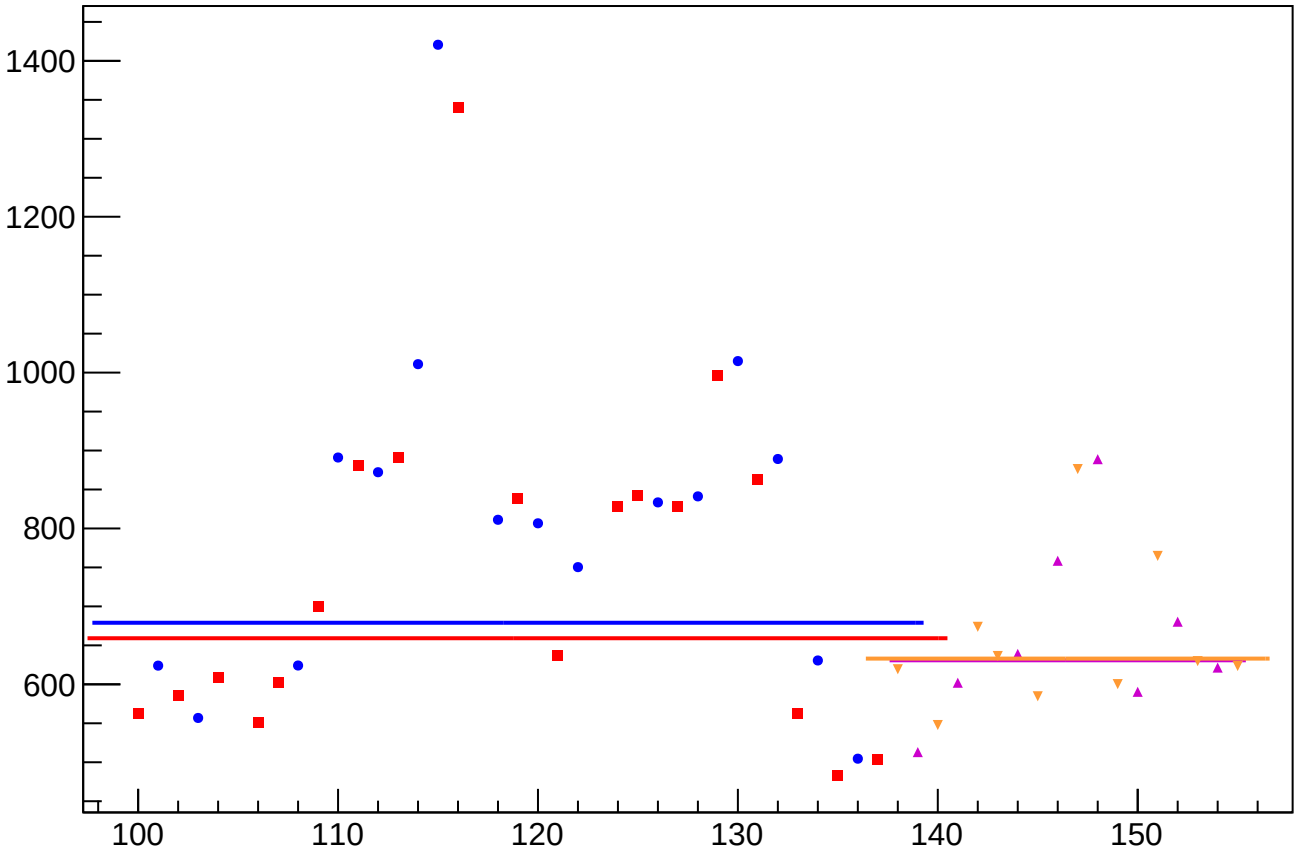
Left: -3.334+/-166.332 χ^2/NDF: 23.7/17

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -278.170+/-177.133 χ^2/NDF:24.2/23

Out: -84.060+/-168.390 χ^2/NDF:27.1/28

All: -176.206+/-122.043 χ^2/NDF: 51.9/52



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 633.012+/-0.162 χ^2/NDF:233446.5/9

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 630.841+/-0.171 χ^2/NDF:296721.8/7

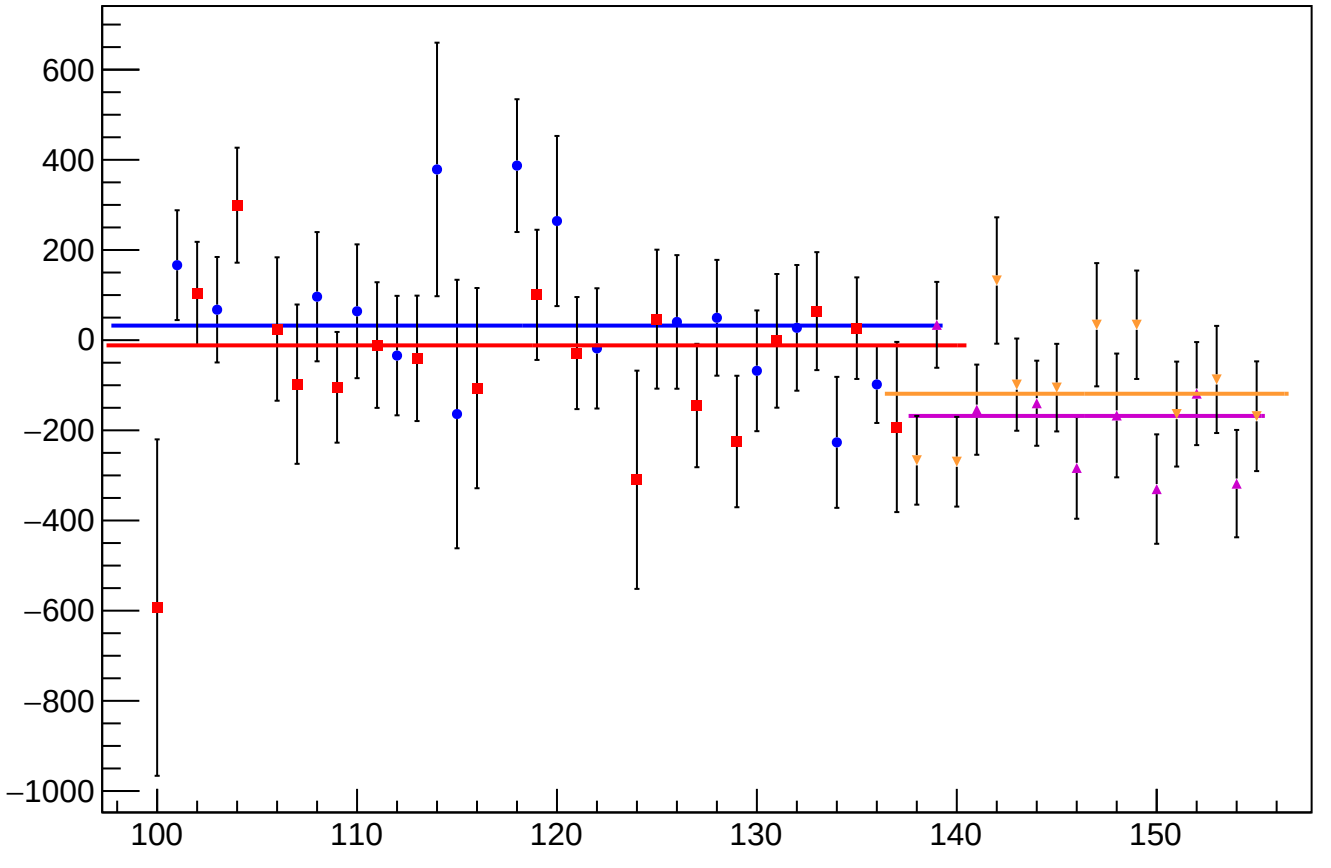
Left: 631.988+/-0.118 χ^2/NDF: 530253.2/17

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 653.248+/-0.125 χ^2/NDF:1101491.4/23

Out: 644.986+/-0.119 χ^2/NDF:1041272.3/28

All: 648.908+/-0.086 χ^2/NDF: 2145049.4/52



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -118.863+/-35.540 χ^2/NDF:11.1/9

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -168.051+/-38.656 χ^2/NDF:9.2/7

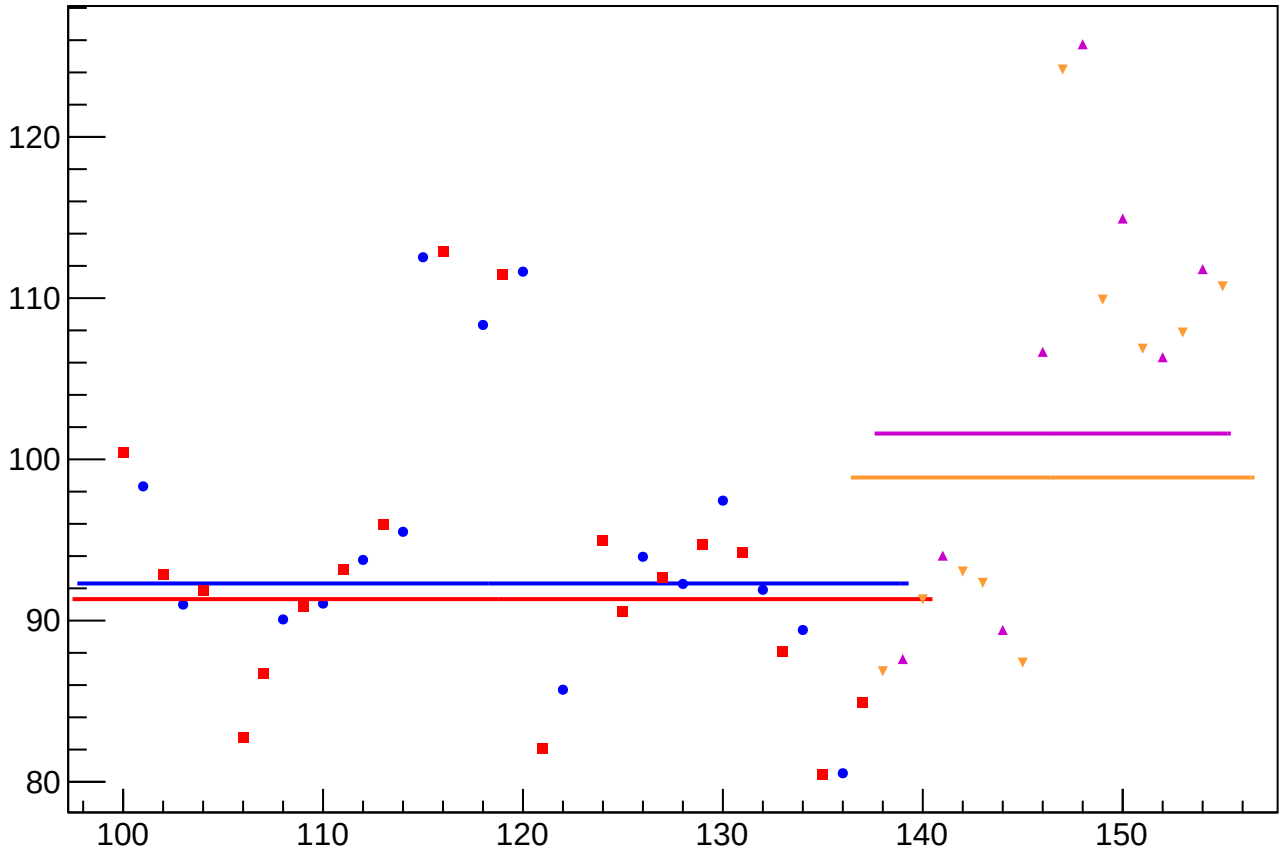
Left: -141.395+/-26.163 χ^2/NDF: 21.2/17

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -56.318+/-25.710 χ^2/NDF:41.5/23

Out: -62.129+/-24.396 χ^2/NDF:33.1/28

All: -59.376+/-17.697 χ^2/NDF: 74.6/52



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 98.875+/-0.025 χ^2/NDF:206192.5/9

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 101.603+/-0.027 χ^2/NDF:196097.1/7

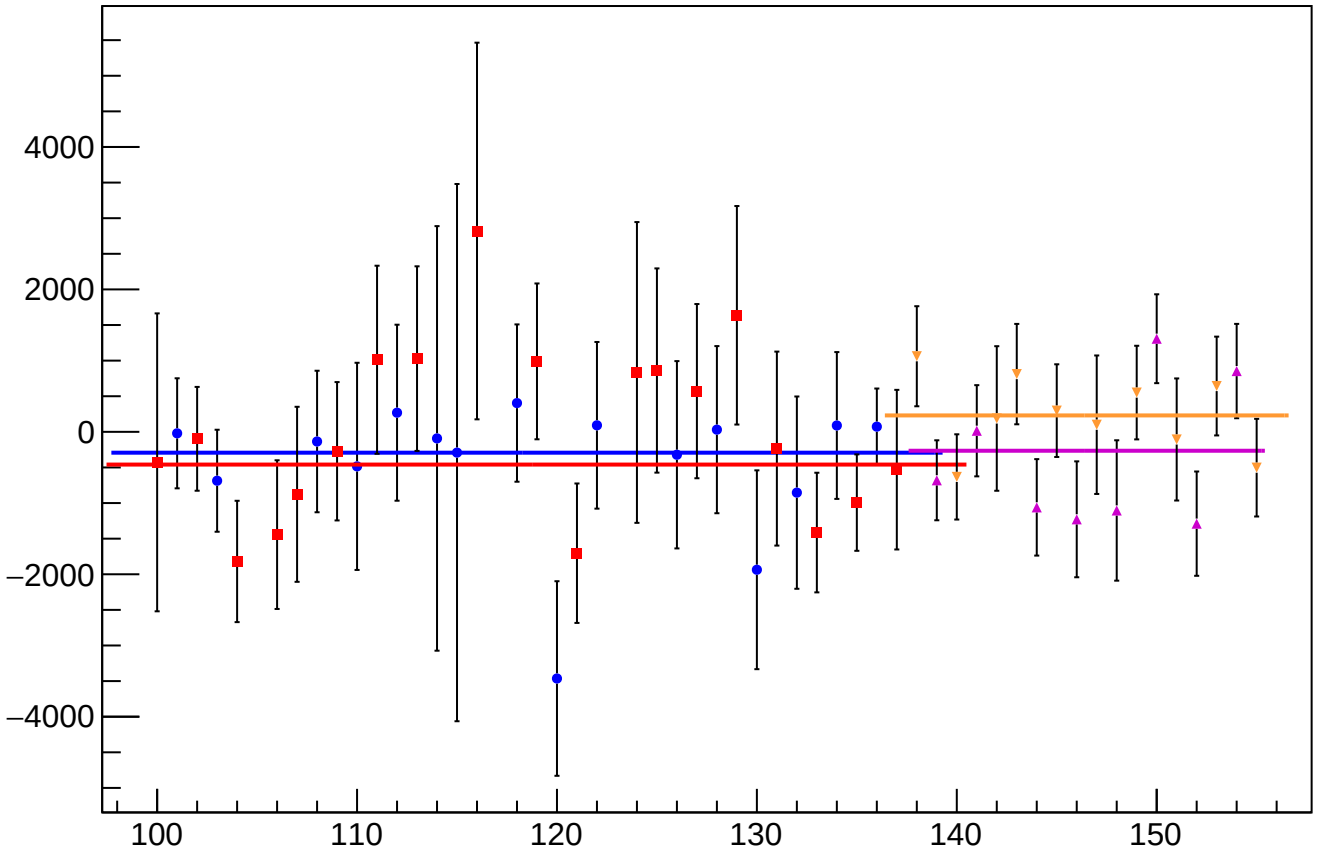
Left: 100.124+/-0.019 χ^2/NDF: 407686.9/17

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 96.416+/-0.018 χ^2/NDF:367721.0/23

Out: 94.886+/-0.017 χ^2/NDF:358748.7/28

All: 95.611+/-0.013 χ^2/NDF: 730198.0/52



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 230.566+/-228.806 χ^2/NDF:6.1/9

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -265.477+/-242.226 χ^2/NDF:15.4/7

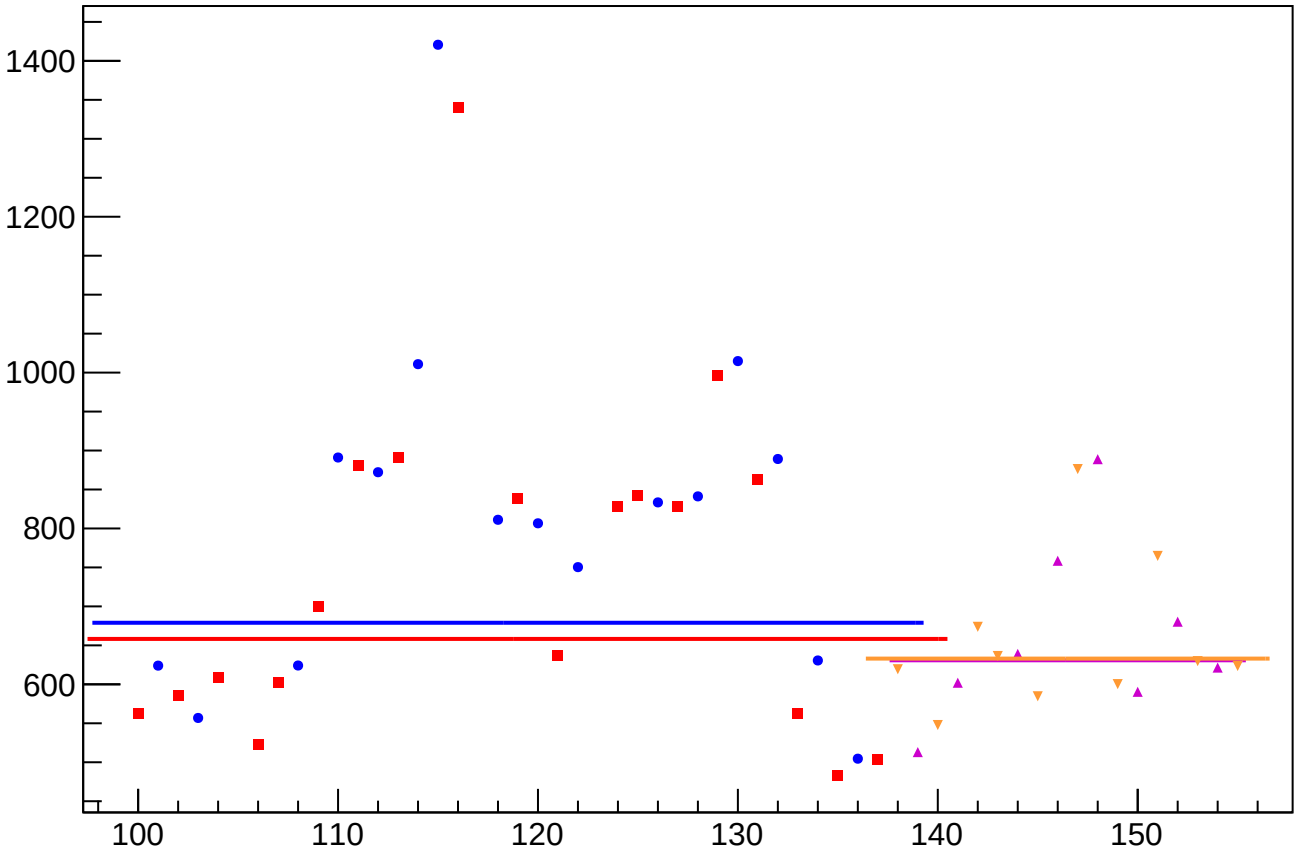
Left: -3.335+/-166.332 χ^2/NDF: 23.7/17

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -278.167+/-177.133 χ^2/NDF:24.2/23

Out: -84.651+/-168.646 χ^2/NDF:27.3/28

All: -176.662+/-122.141 χ^2/NDF: 52.1/52



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 633.012+/-0.162 χ^2/NDF:233446.7/9

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 630.841+/-0.171 χ^2/NDF:296721.7/7

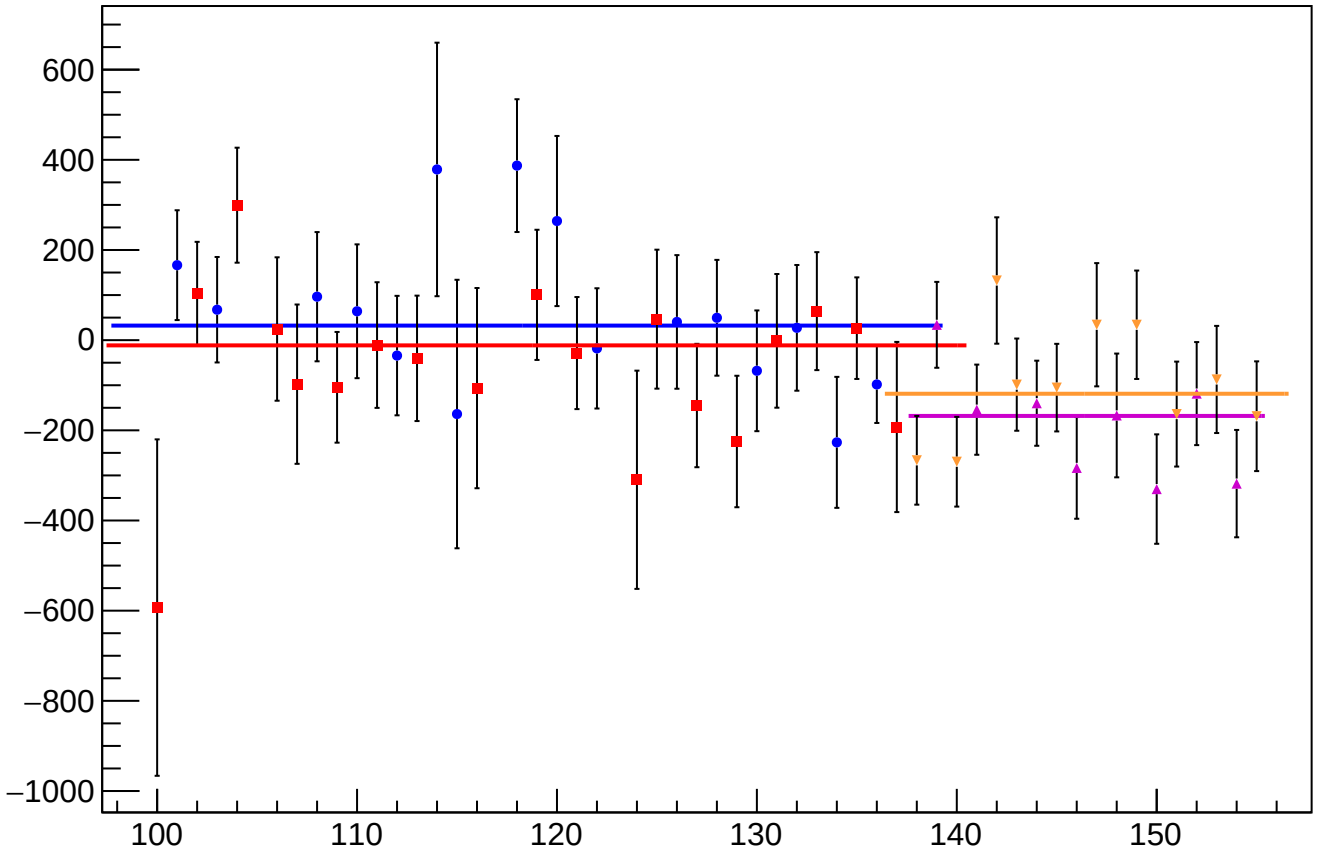
Left: 631.988+/-0.118 χ^2/NDF: 530253.3/17

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 653.248+/-0.125 χ^2/NDF:1101492.3/23

Out: 644.545+/-0.119 χ^2/NDF:1050468.8/28

All: 648.683+/-0.086 χ^2/NDF: 2154493.7/52



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -118.863+/-35.540 χ^2/NDF:11.1/9

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -168.051+/-38.656 χ^2/NDF:9.2/7

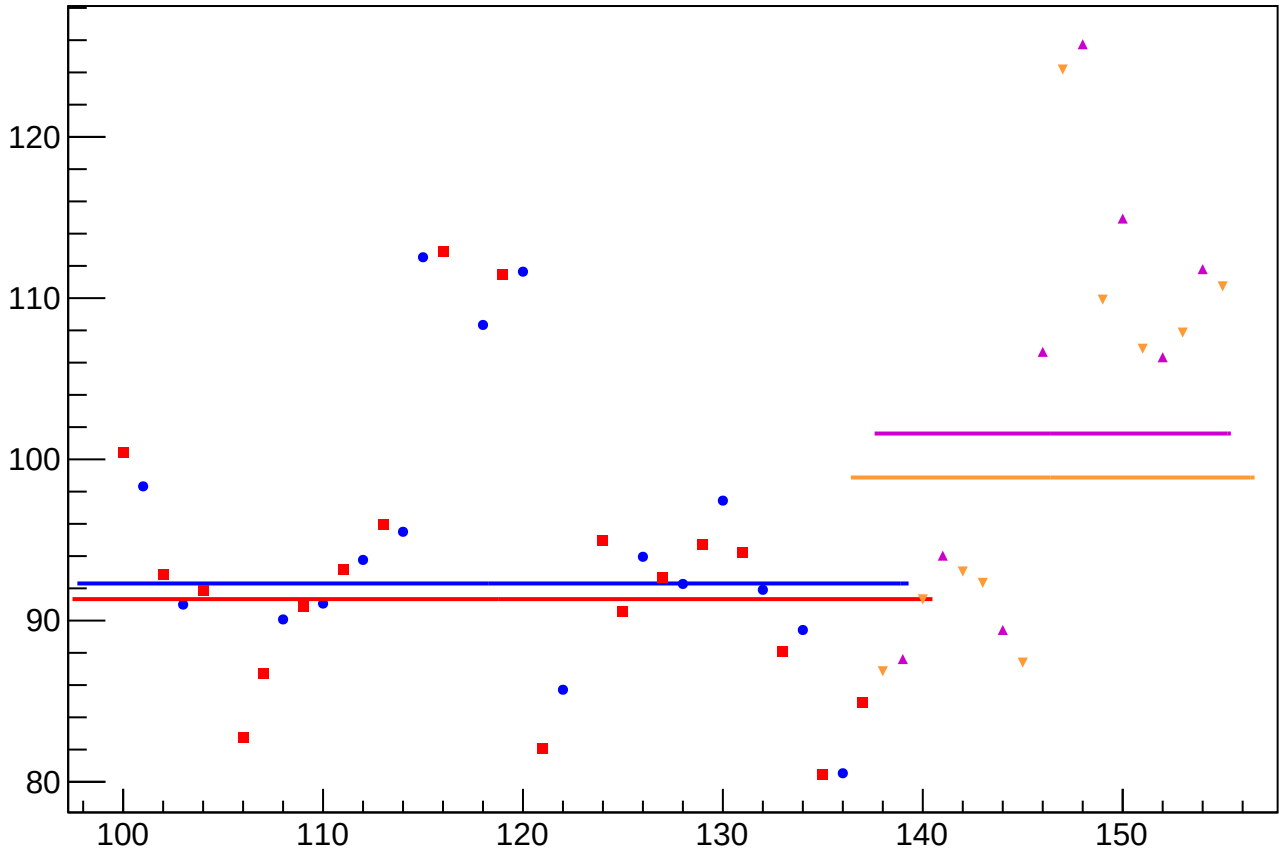
Left: -141.395+/-26.163 χ^2/NDF: 21.2/17

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -56.318+/-25.710 χ^2/NDF:41.5/23

Out: -62.129+/-24.396 χ^2/NDF:33.1/28

All: -59.376+/-17.697 χ^2/NDF: 74.6/52



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 98.875+/-0.025 χ^2/NDF:206192.5/9

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 101.603+/-0.027 χ^2/NDF:196097.1/7

Left: 100.124+/-0.019 χ^2/NDF: 407686.9/17

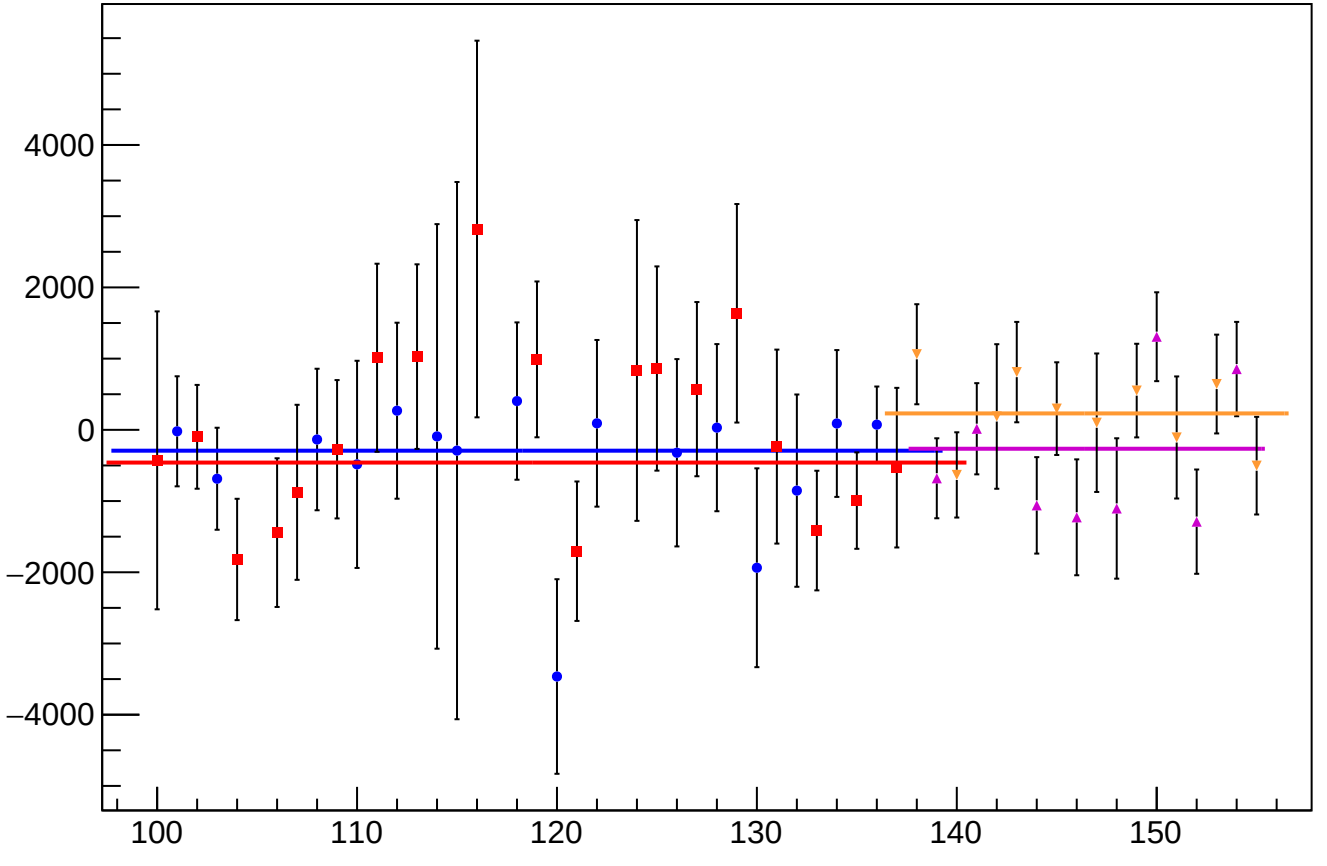
Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 96.416+/-0.018 χ^2/NDF:367721.0/23

Out: 94.886+/-0.017 χ^2/NDF:358748.7/28

All: 95.611+/-0.013 χ^2/NDF: 730198.0/52

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 230.566+/-228.806 χ^2/NDF:6.1/9

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -265.477+/-242.226 χ^2/NDF:15.4/7

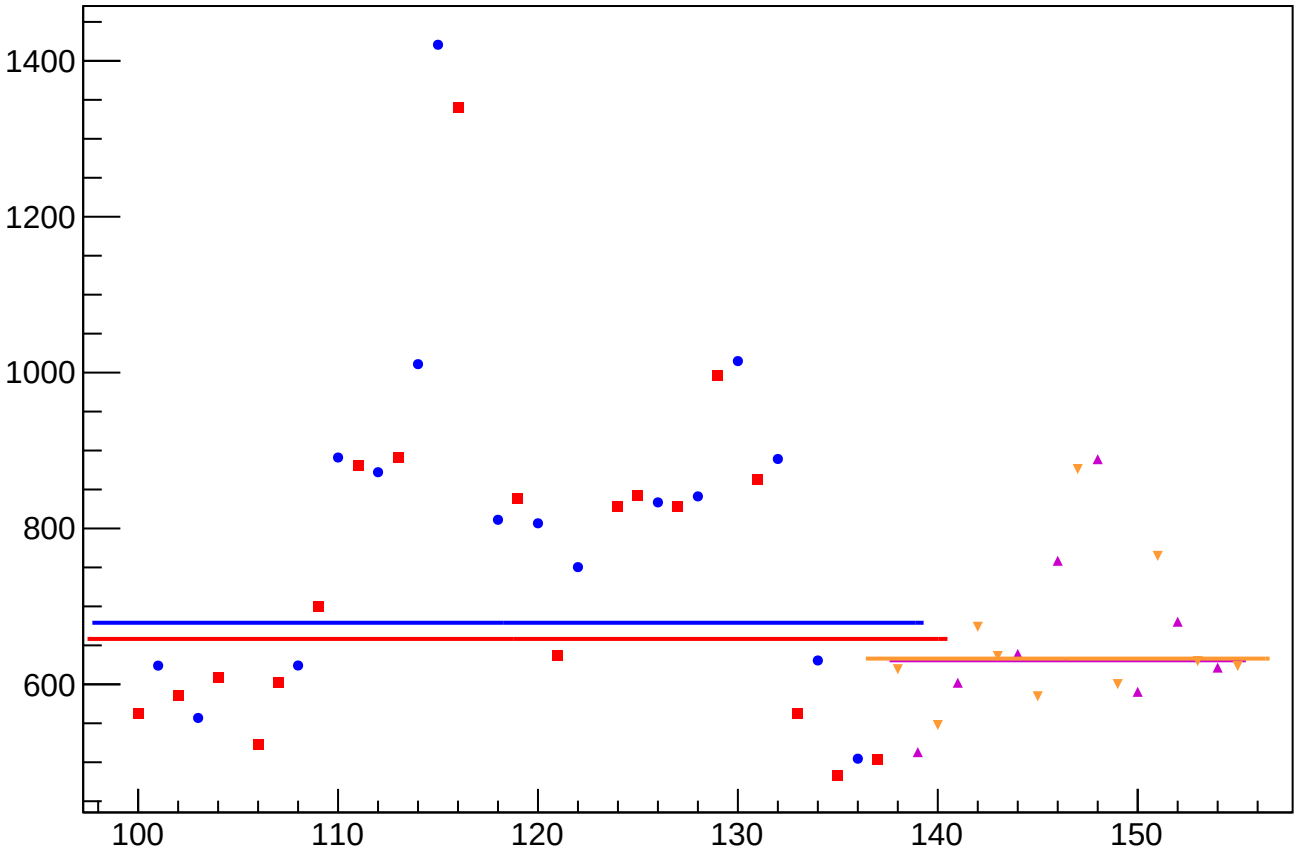
Left: -3.335+/-166.332 χ^2/NDF: 23.7/17

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -278.167+/-177.133 χ^2/NDF:24.2/23

Out: -84.651+/-168.646 χ^2/NDF:27.3/28

All: -176.662+/-122.141 χ^2/NDF: 52.1/52



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 633.012+/-0.162 χ^2/NDF:233446.7/9

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 630.841+/-0.171 χ^2/NDF:296721.7/7

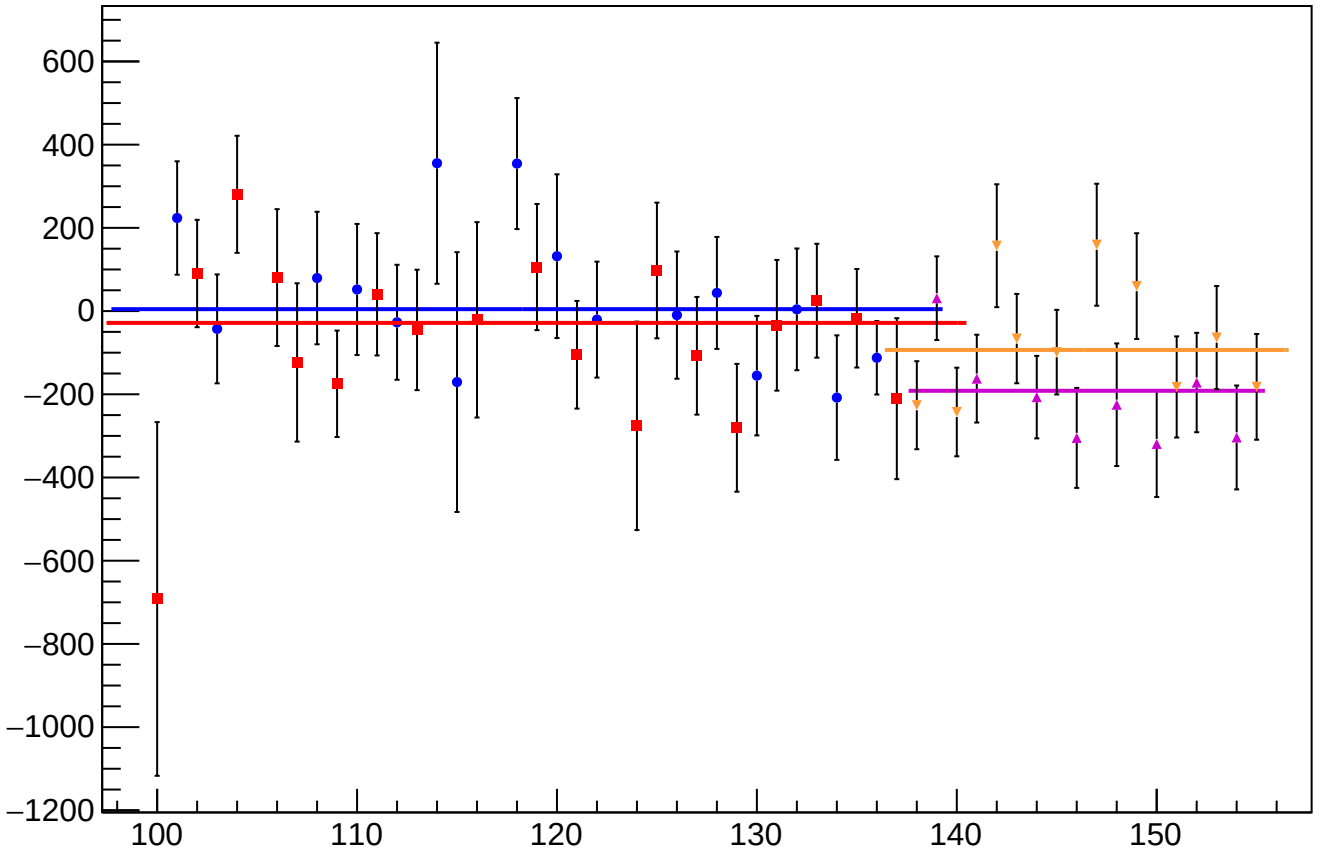
Left: 631.988+/-0.118 χ^2/NDF: 530253.3/17

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 653.248+/-0.125 χ^2/NDF:1101492.3/23

Out: 644.545+/-0.119 χ^2/NDF:1050468.8/28

All: 648.683+/-0.086 χ^2/NDF: 2154493.7/52



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -93.397+/-37.533 χ^2/NDF:12.0/9

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -191.573+/-40.774 χ^2/NDF:7.8/7

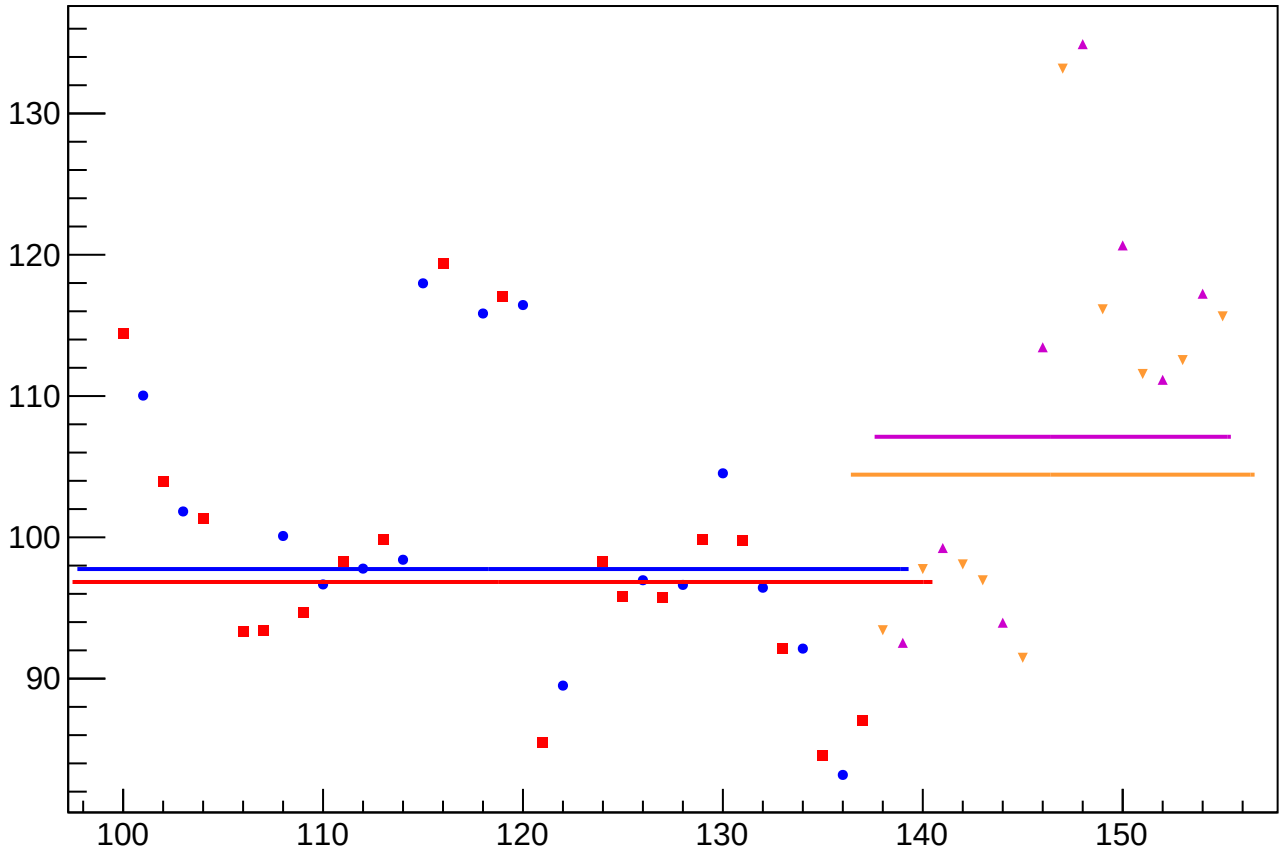
Left: -138.428+/-27.615 χ^2/NDF: 22.9/17

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -82.682+/-27.199 χ^2/NDF:36.0/23

Out: -59.062+/-25.778 χ^2/NDF:30.7/28

All: -70.239+/-18.710 χ^2/NDF: 67.0/52



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 104.437+/-0.027 χ^2/NDF:200233.1/9

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 107.118+/-0.029 χ^2/NDF:203202.5/7

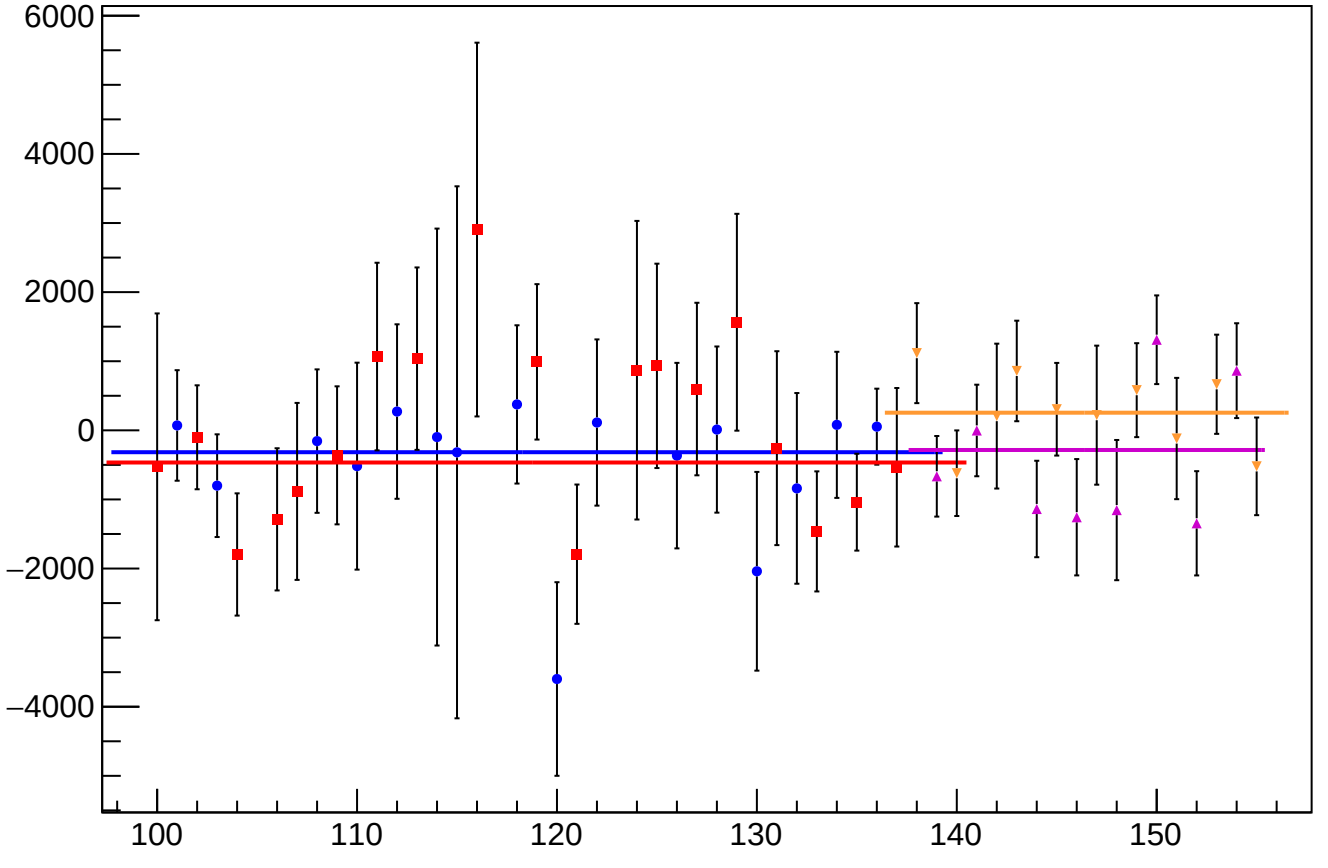
Left: 105.666+/-0.020 χ^2/NDF: 408116.5/17

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 101.922+/-0.019 χ^2/NDF:402373.4/23

Out: 100.423+/-0.018 χ^2/NDF:358691.4/28

All: 101.132+/-0.013 χ^2/NDF: 764263.6/52



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 255.249+/-236.136 χ^2/NDF:6.1/9

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -284.485+/-250.294 χ^2/NDF:15.1/7

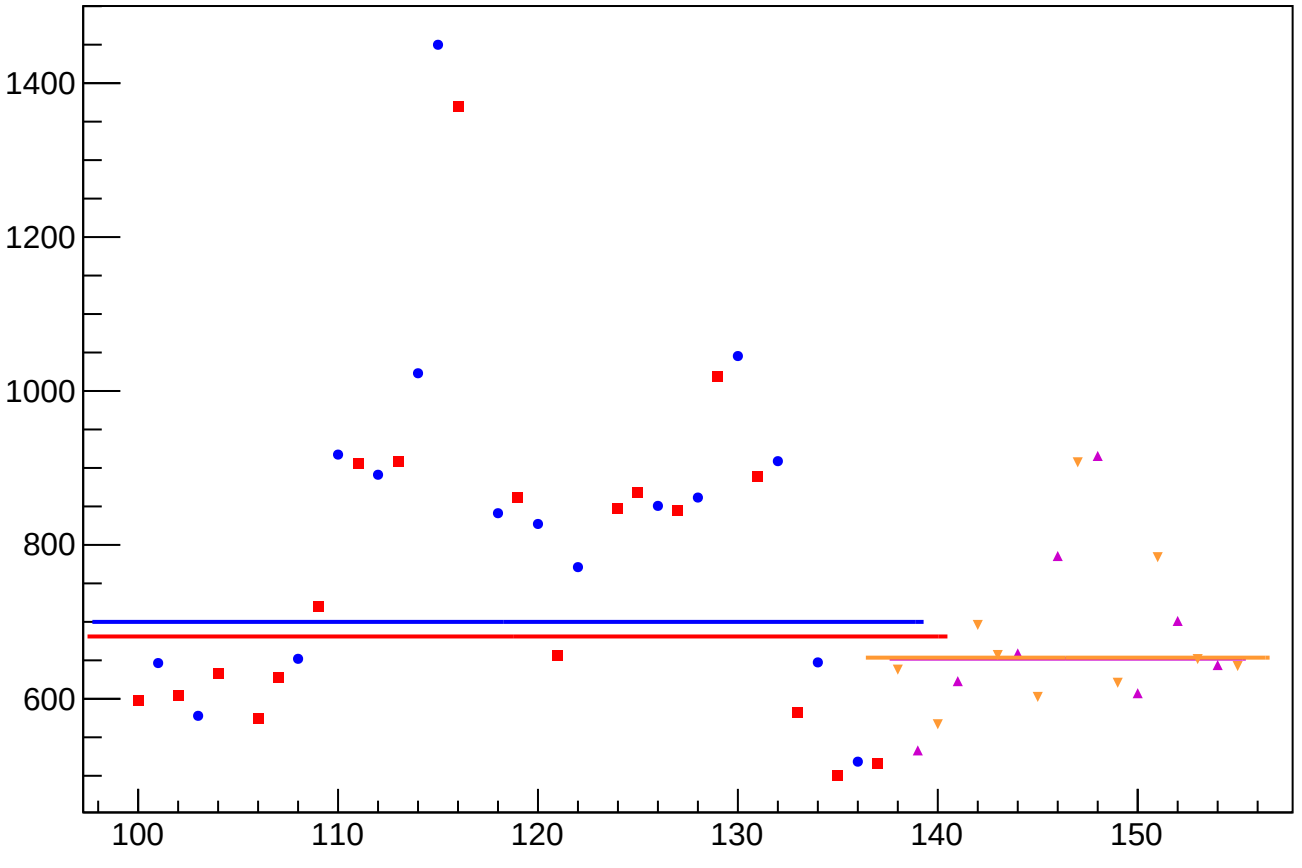
Left: 1.078+/-171.760 χ^2/NDF: 23.7/17

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -299.462+/-182.770 χ^2/NDF:24.3/23

Out: -75.214+/-173.772 χ^2/NDF:26.8/28

All: -181.683+/-125.936 χ^2/NDF: 51.9/52



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 653.504+/-0.167 χ^2/NDF:231508.0/9

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 652.251+/-0.177 χ^2/NDF:291140.8/7

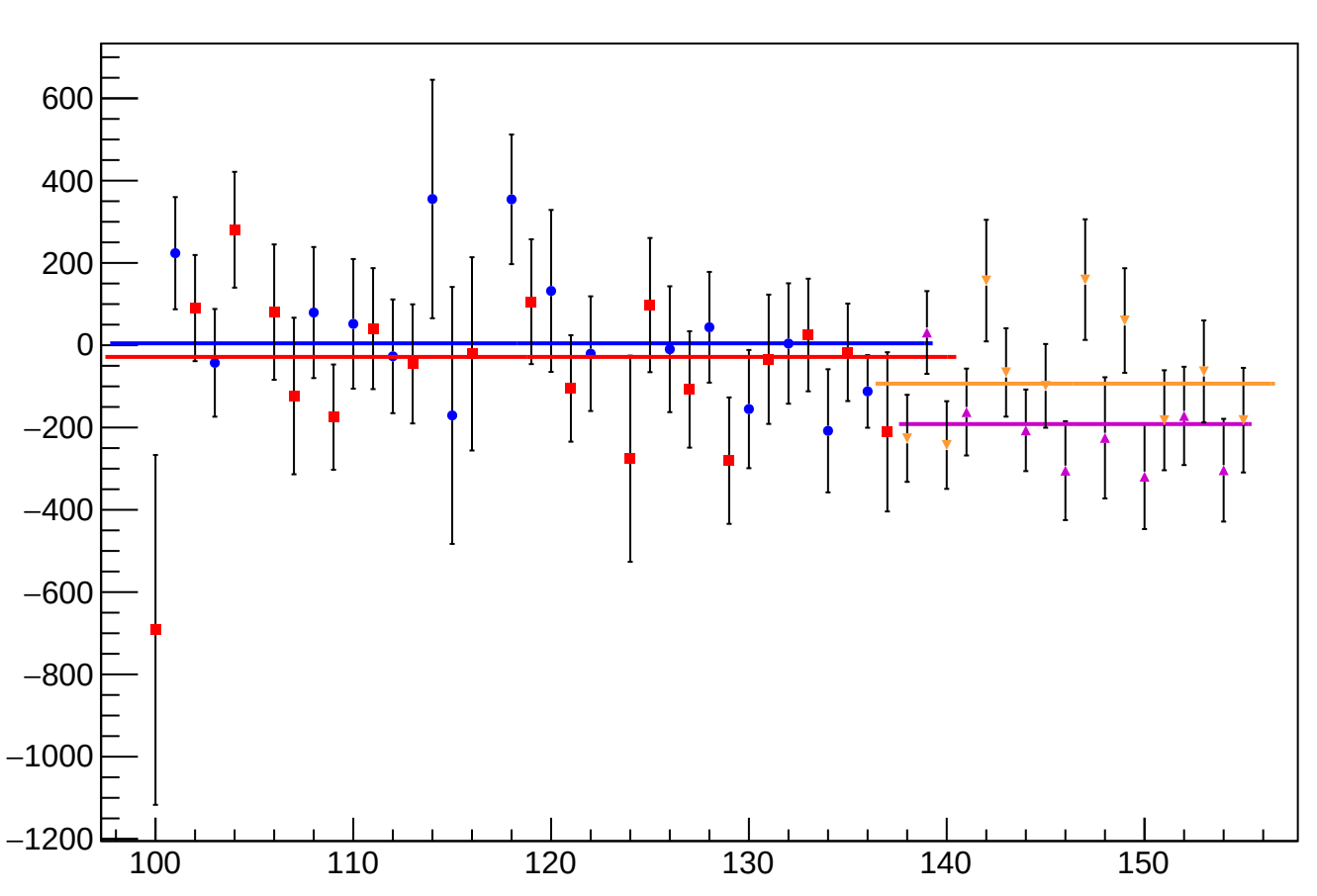
Left: 652.914+/-0.121 χ^2/NDF: 522675.3/17

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 674.527+/-0.129 χ^2/NDF:1078742.9/23

Out: 666.117+/-0.123 χ^2/NDF:1013352.3/28

All: 670.110+/-0.089 χ^2/NDF: 2094319.0/52



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -93.397+/-37.533 χ^2/NDF:12.0/9

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -191.573+/-40.774 χ^2/NDF:7.8/7

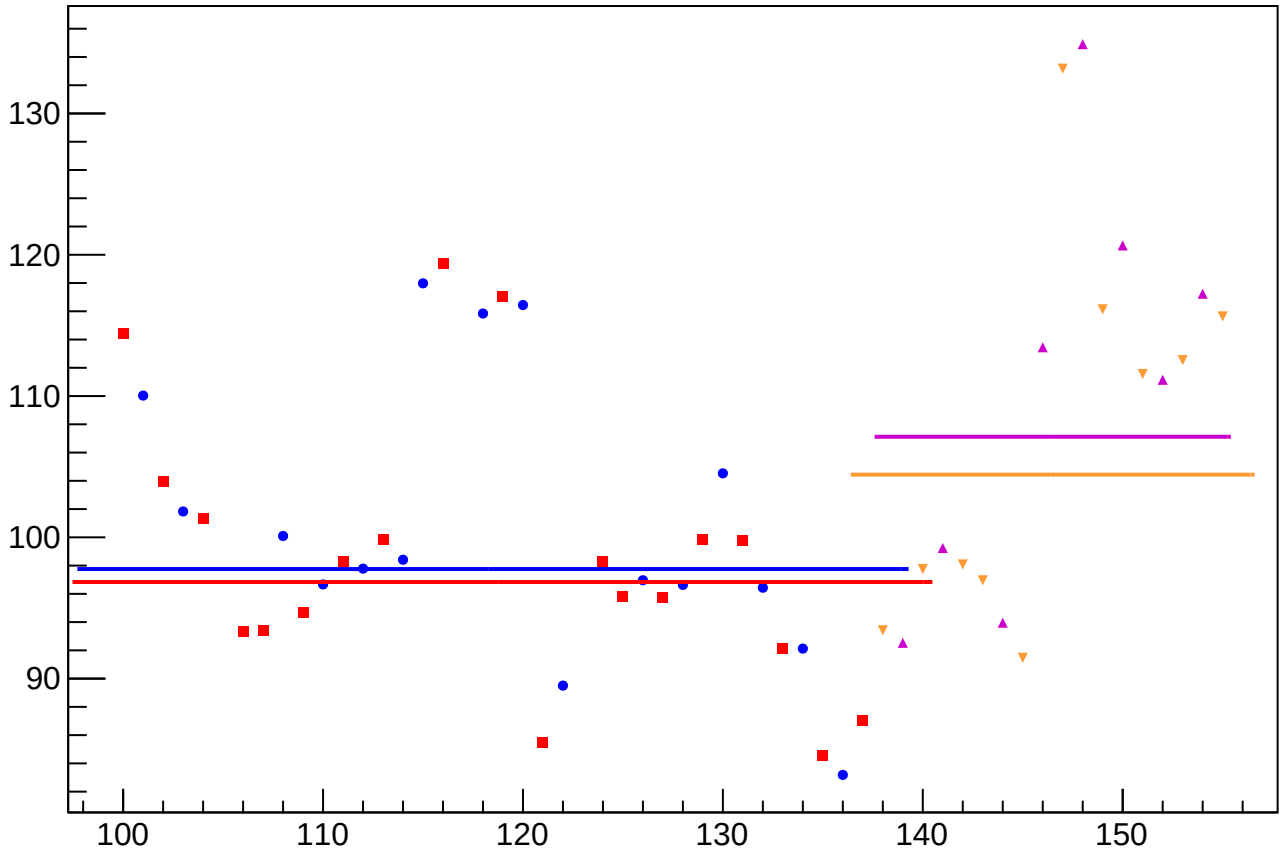
Left: -138.429+/-27.615 χ^2/NDF: 22.9/17

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -82.682+/-27.199 χ^2/NDF:36.0/23

Out: -59.062+/-25.778 χ^2/NDF:30.7/28

All: -70.239+/-18.710 χ^2/NDF: 67.0/52



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 104.437+/-0.027 χ^2/NDF:200234.0/9

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 107.118+/-0.029 χ^2/NDF:203202.3/7

Left: 105.666+/-0.020 χ^2/NDF: 408117.4/17

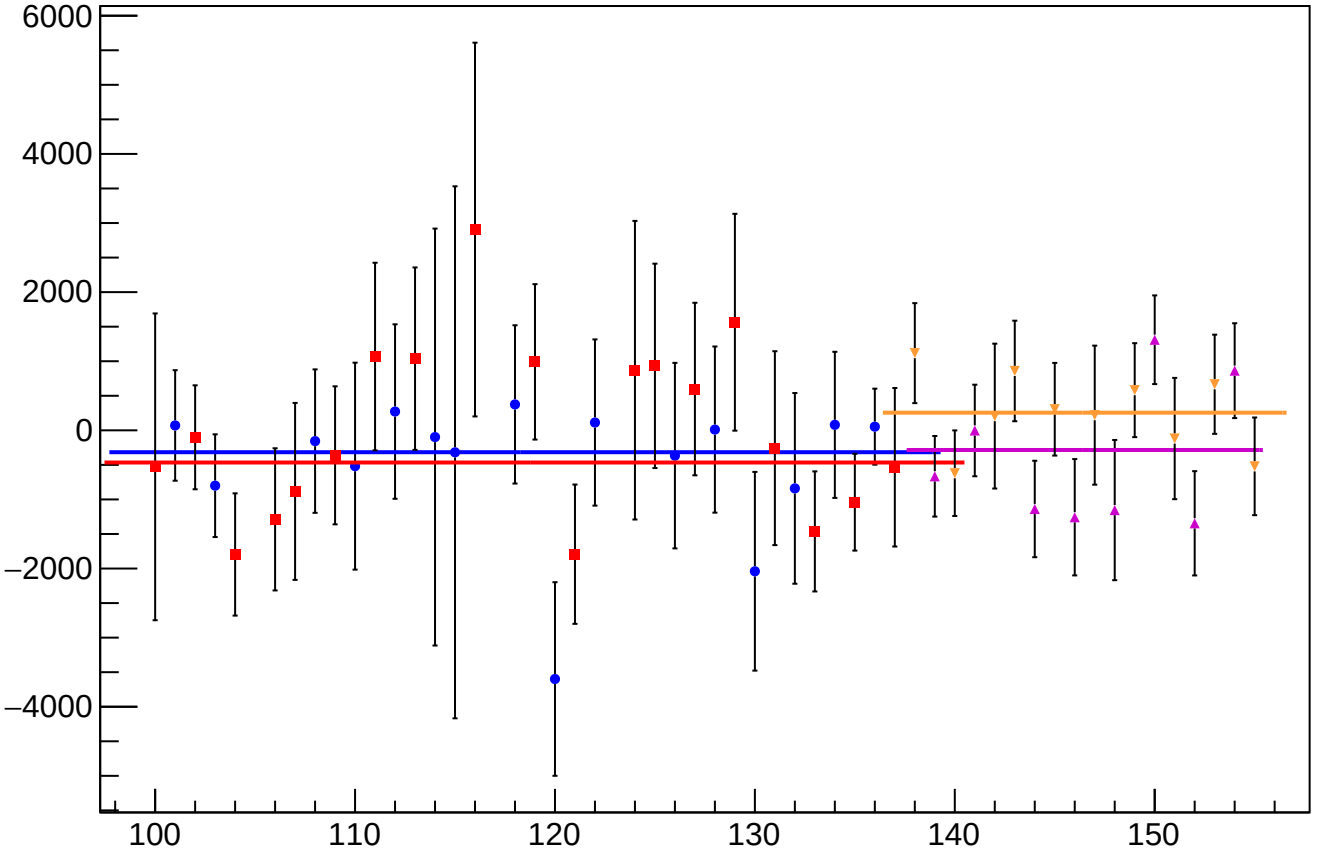
Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 101.922+/-0.019 χ^2/NDF:402379.7/23

Out: 100.423+/-0.018 χ^2/NDF:358699.7/28

All: 101.132+/-0.013 χ^2/NDF: 764278.3/52

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 255.249+/-236.136 χ^2/NDF:6.1/9

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -284.486+/-250.294 χ^2/NDF:15.1/7

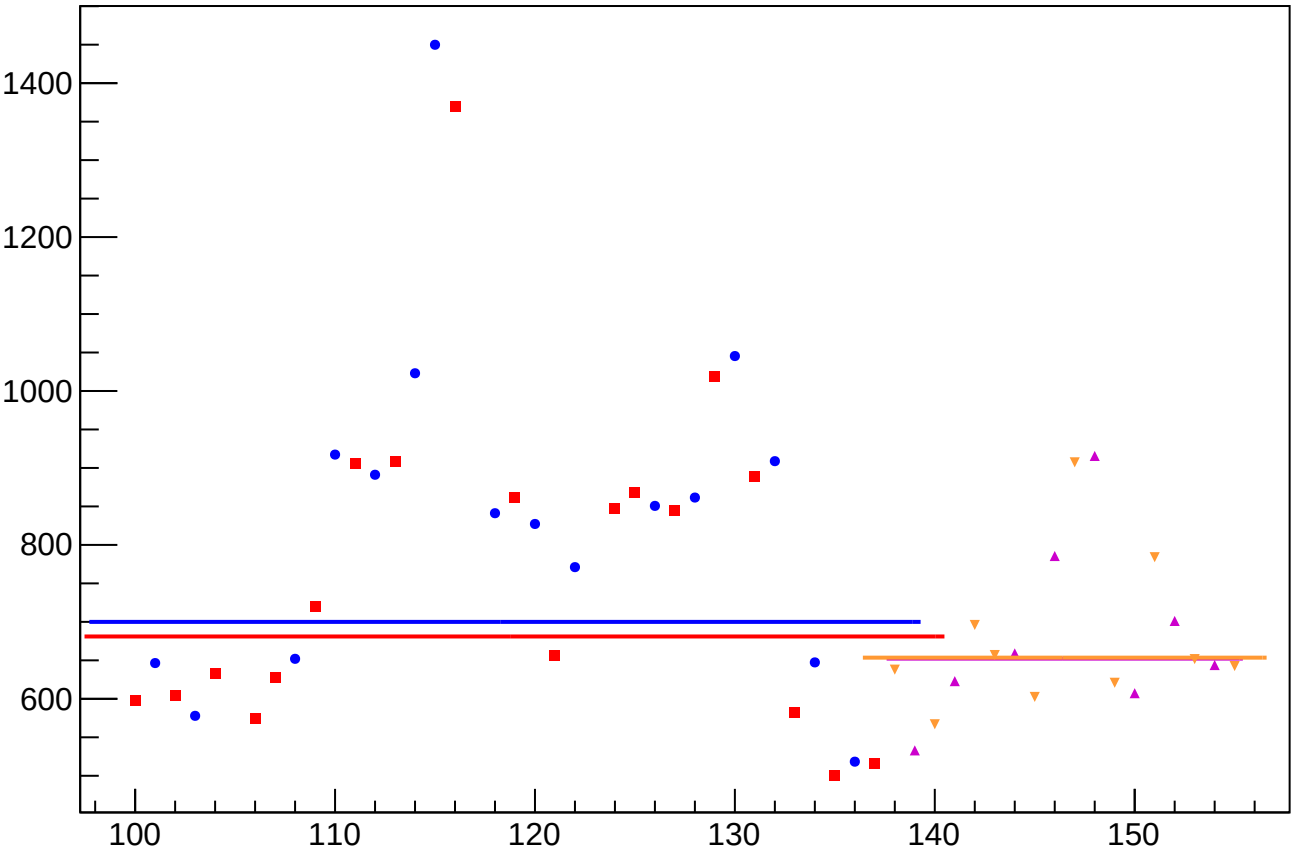
Left: 1.078+/-171.761 χ^2/NDF: 23.7/17

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -299.462+/-182.770 χ^2/NDF:24.3/23

Out: -75.215+/-173.772 χ^2/NDF:26.8/28

All: -181.683+/-125.936 χ^2/NDF: 51.9/52



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 653.505+/-0.167 χ^2/NDF:231507.1/9

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 652.252+/-0.177 χ^2/NDF:291140.4/7

Left: 652.915+/-0.121 χ^2/NDF: 522674.0/17

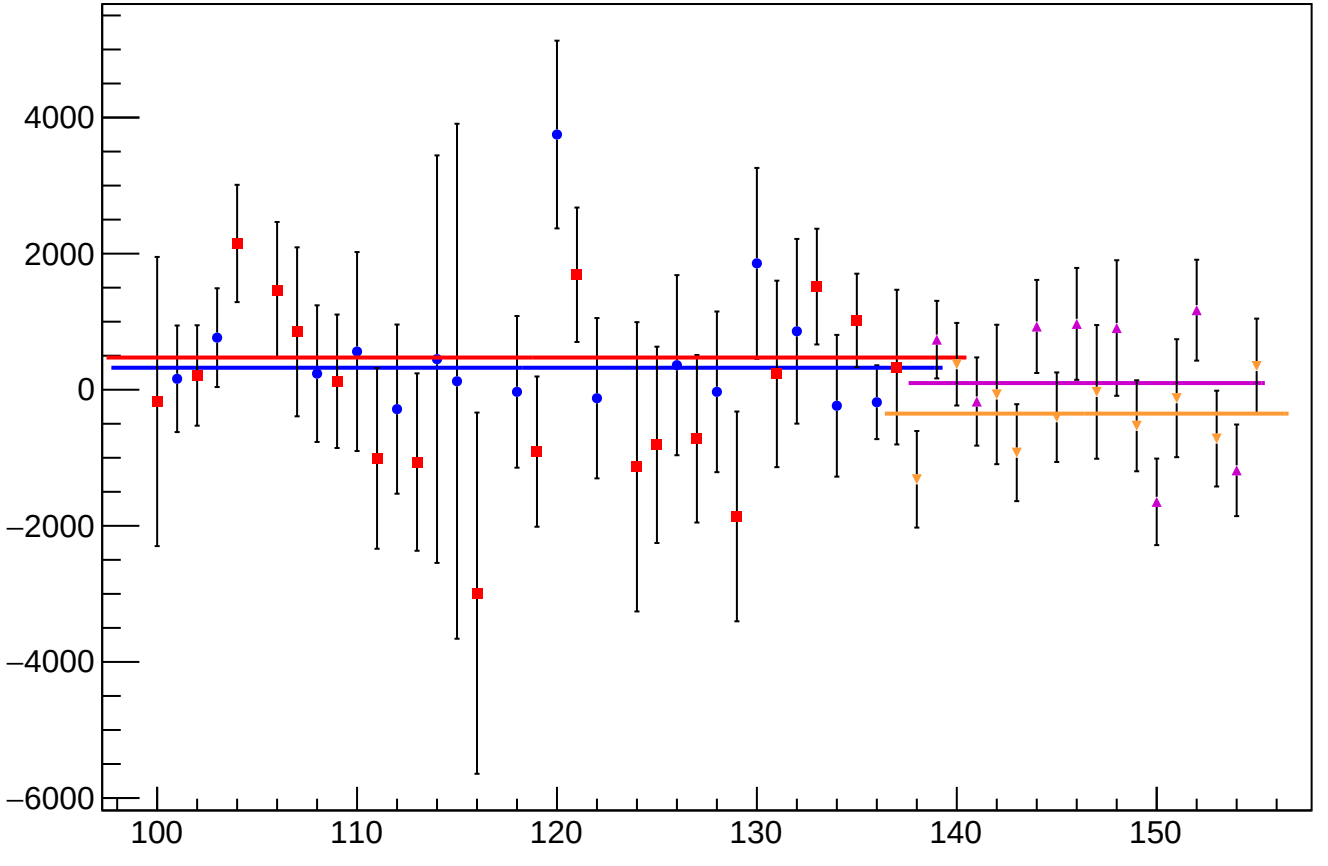
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 674.527+/-0.129 χ^2/NDF:1078741.5/23

Out: 666.117+/-0.123 χ^2/NDF:1013352.2/28

All: 670.110+/-0.089 χ^2/NDF: 2094317.7/52

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -350.912+/-231.743 χ^2/NDF:5.5/9

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 97.972+/-245.548 χ^2/NDF:17.9/7

Left: -139.443+/-168.536 χ^2/NDF: 25.3/17

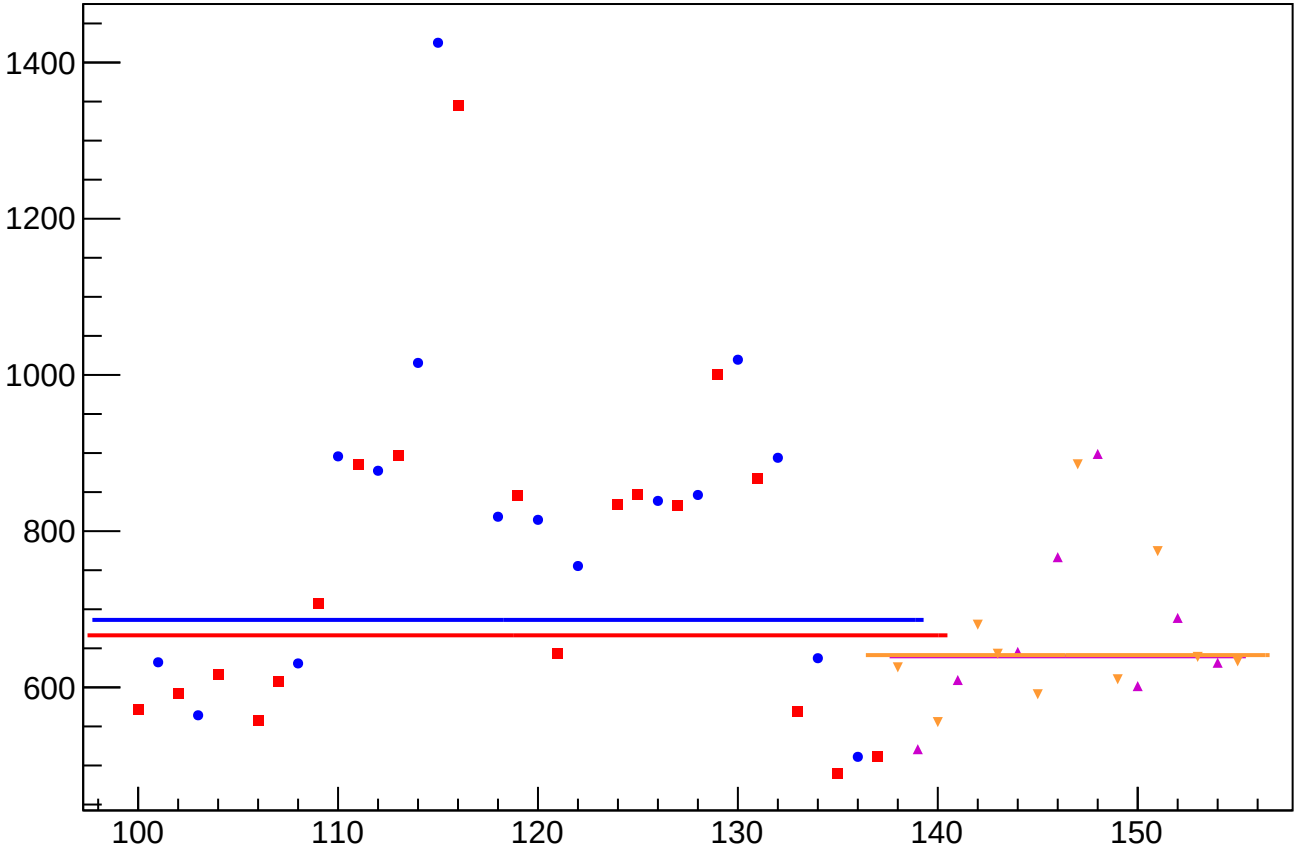
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 203.150+/-179.269 χ^2/NDF:28.1/23

Out: 27.799+/-170.371 χ^2/NDF:30.8/28

All: 111.015+/-123.496 χ^2/NDF: 59.3/52

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 641.322+/-0.164 χ^2/NDF:230772.4/9

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 639.765+/-0.174 χ^2/NDF:290883.8/7

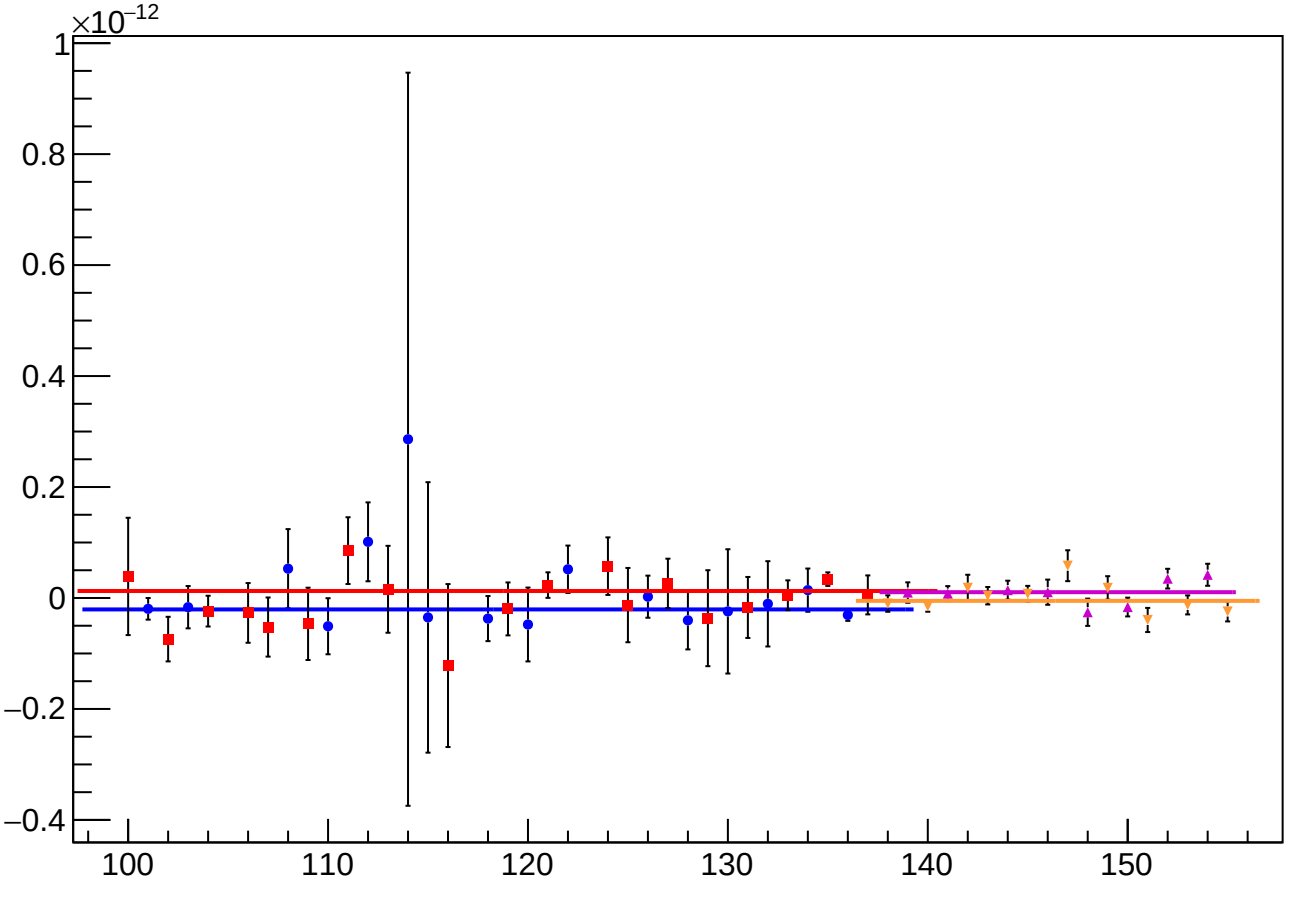
Left: 640.588+/-0.119 χ^2/NDF: 521698.8/17

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 661.540+/-0.127 χ^2/NDF:1074019.7/23

Out: 652.954+/-0.120 χ^2/NDF:1018770.4/28

All: 657.029+/-0.087 χ^2/NDF: 2095200.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/7

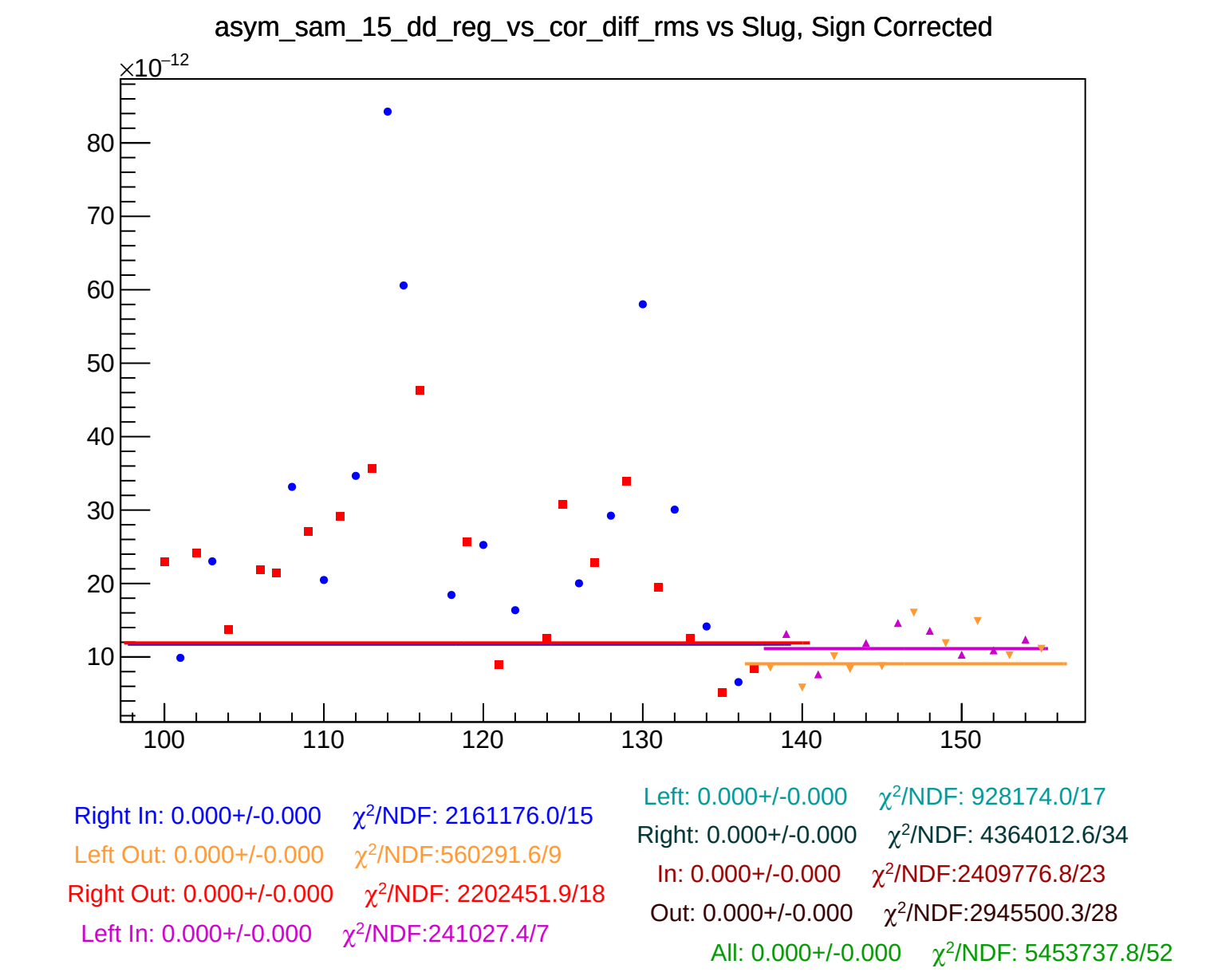
Left: 0.000+/-0.000 χ^2/NDF: 26.2/17

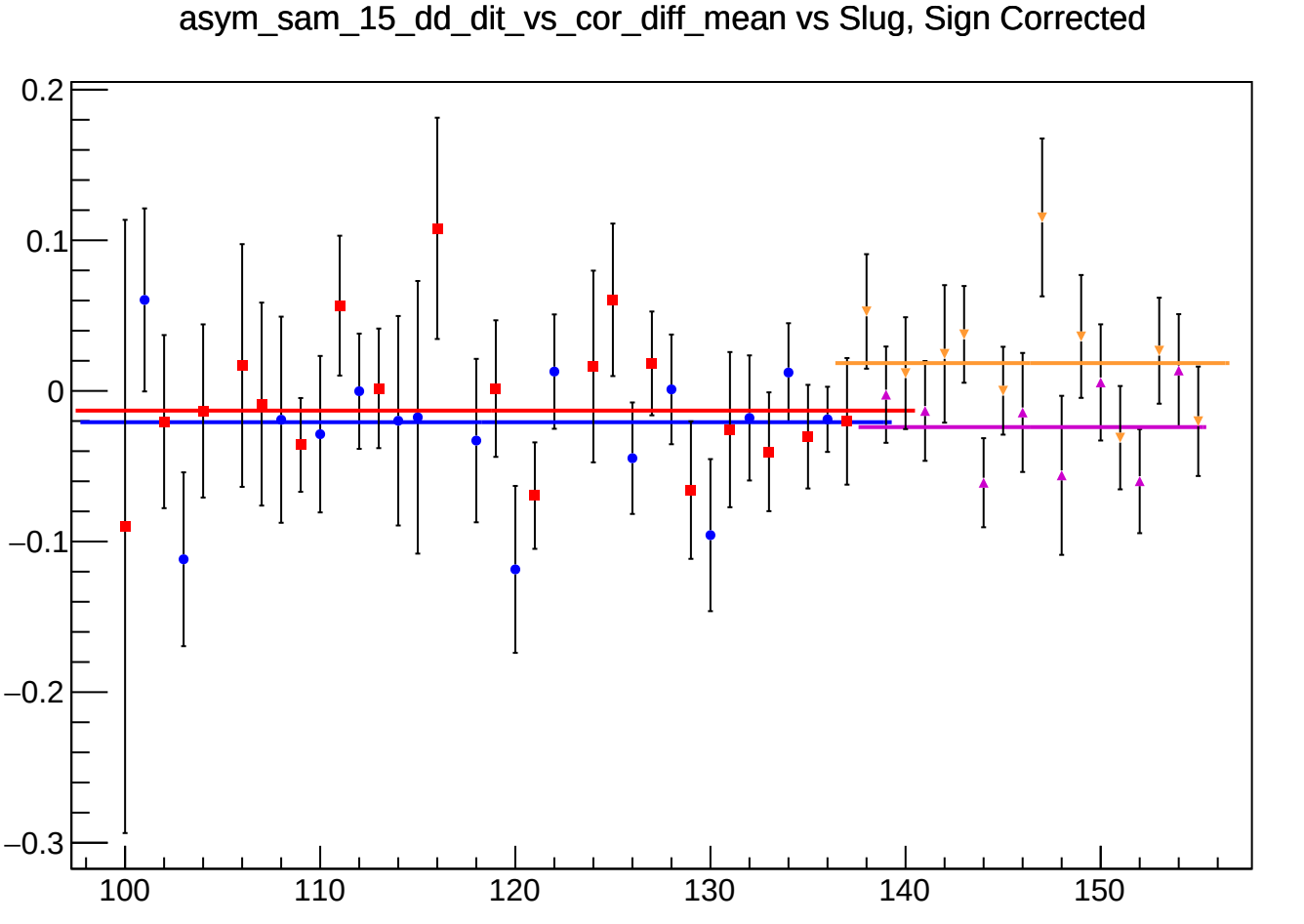
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:28.6/23

Out: 0.000+/-0.000 χ^2/NDF:34.0/28

All: -0.000+/-0.000 χ^2/NDF: 62.7/52


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:560291.6/9
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:241027.4/7
Left: 0.000+/-0.000 χ²/NDF: 928174.0/17
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2409776.8/23
Out: 0.000+/-0.000 χ²/NDF:2945500.3/28
All: 0.000+/-0.000 χ²/NDF: 5453737.8/52



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.012 χ^2/NDF:8.5/9

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.024+/-0.013 χ^2/NDF:5.2/7

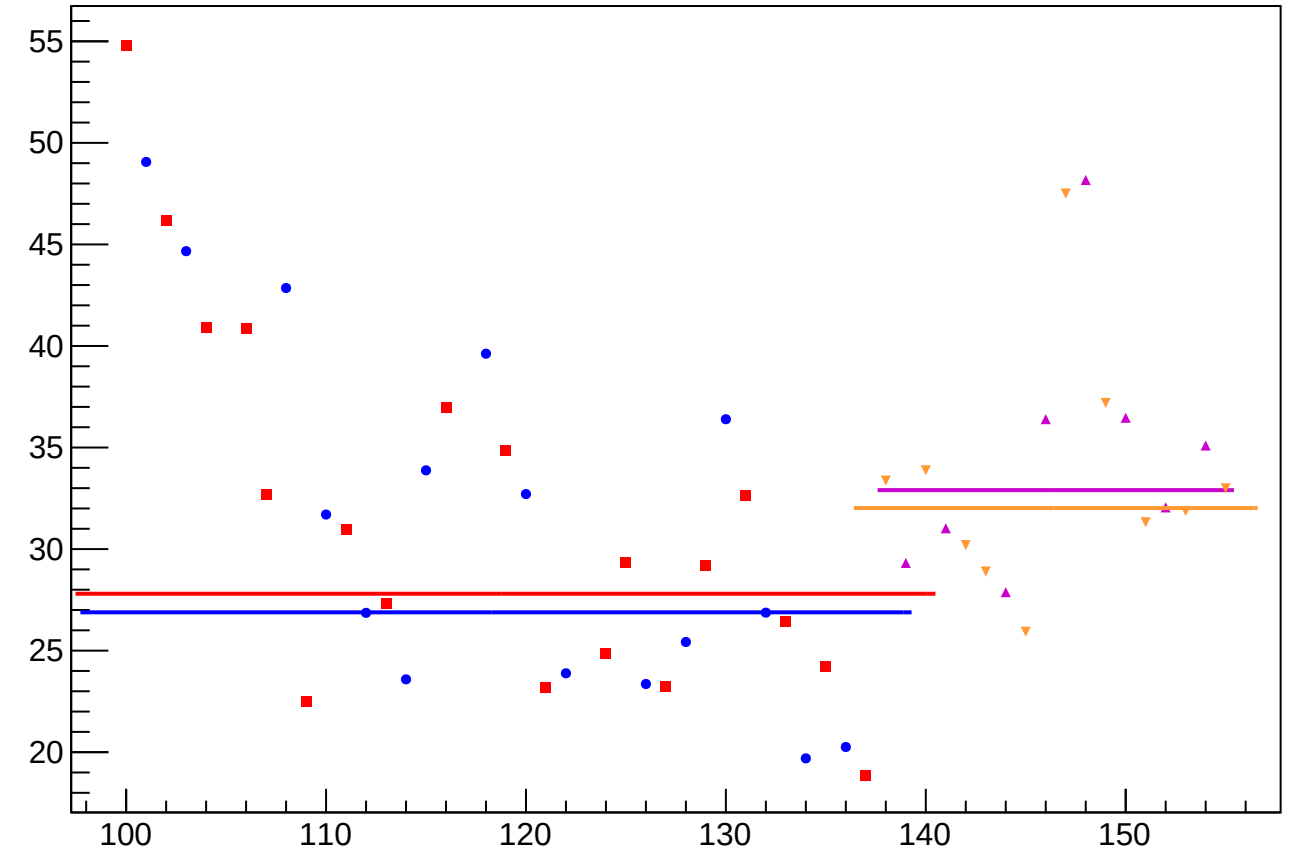
Left: -0.001+/-0.009 χ^2/NDF: 19.8/17

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.008 χ^2/NDF:17.8/23

Out: 0.001+/-0.008 χ^2/NDF:26.4/28

All: -0.010+/-0.006 χ^2/NDF: 48.5/52



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.020+/-0.008 χ^2/NDF:325872.6/9

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.903+/-0.009 χ^2/NDF:297546.4/7

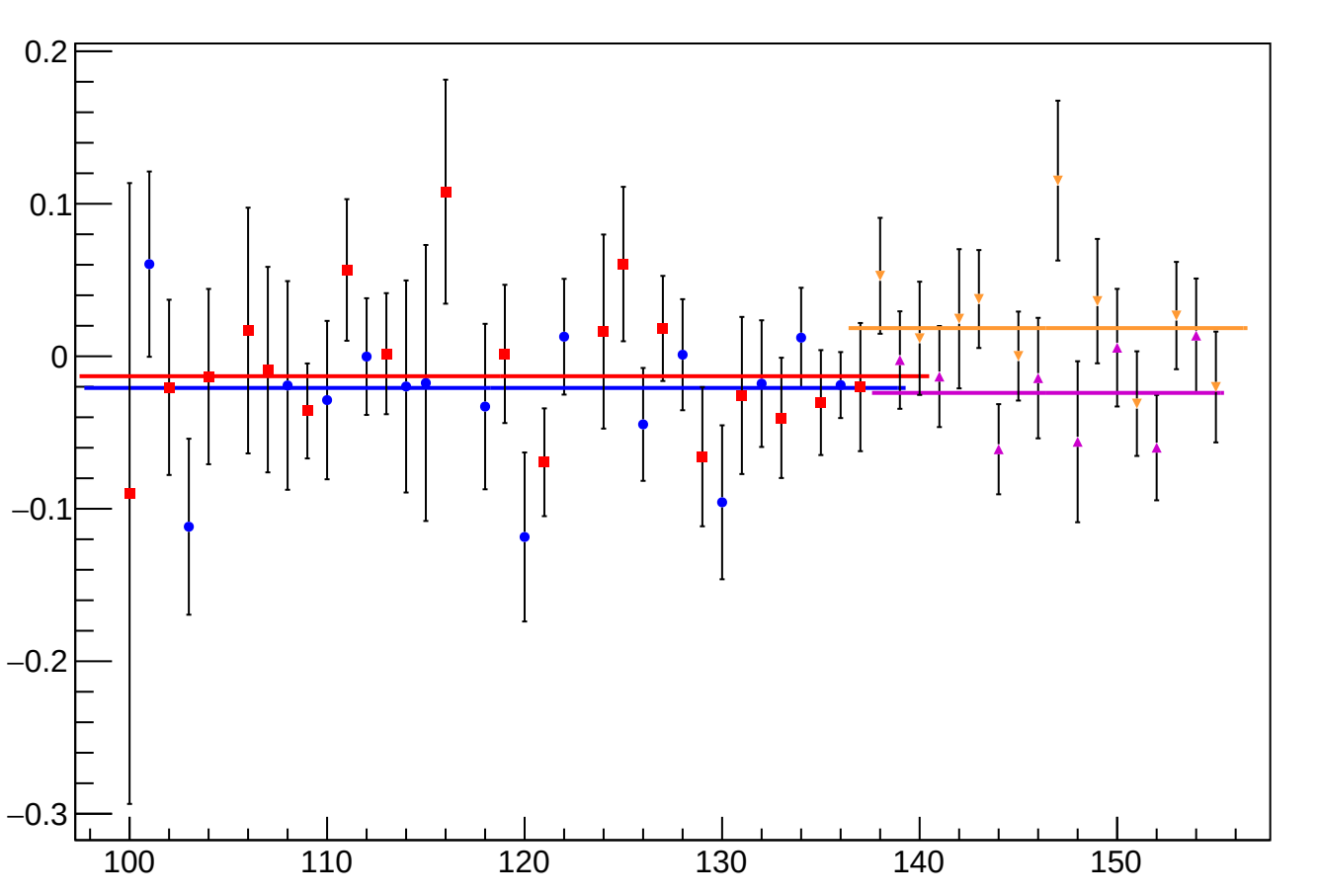
Left: 32.424+/-0.006 χ^2/NDF: 628709.4/17

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.345+/-0.006 χ^2/NDF:1686009.3/23

Out: 29.709+/-0.006 χ^2/NDF:1233732.1/28

All: 29.533+/-0.004 χ^2/NDF: 2921839.1/52



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.012 χ^2/NDF:8.5/9

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.024+/-0.013 χ^2/NDF:5.2/7

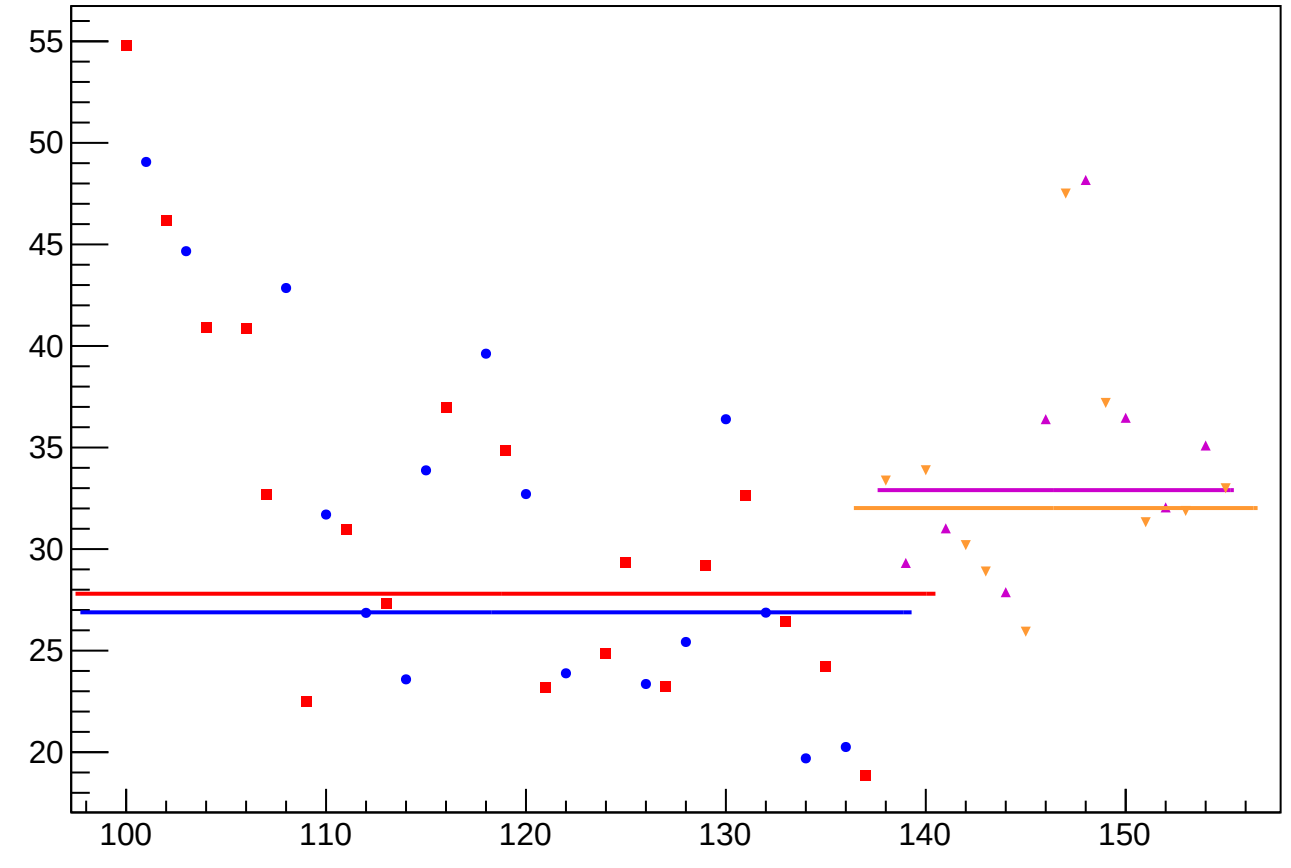
Left: -0.001+/-0.009 χ^2/NDF: 19.8/17

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.008 χ^2/NDF:17.8/23

Out: 0.001+/-0.008 χ^2/NDF:26.4/28

All: -0.010+/-0.006 χ^2/NDF: 48.5/52



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 32.020+/-0.008 χ^2/NDF:325872.6/9

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.903+/-0.009 χ^2/NDF:297546.4/7

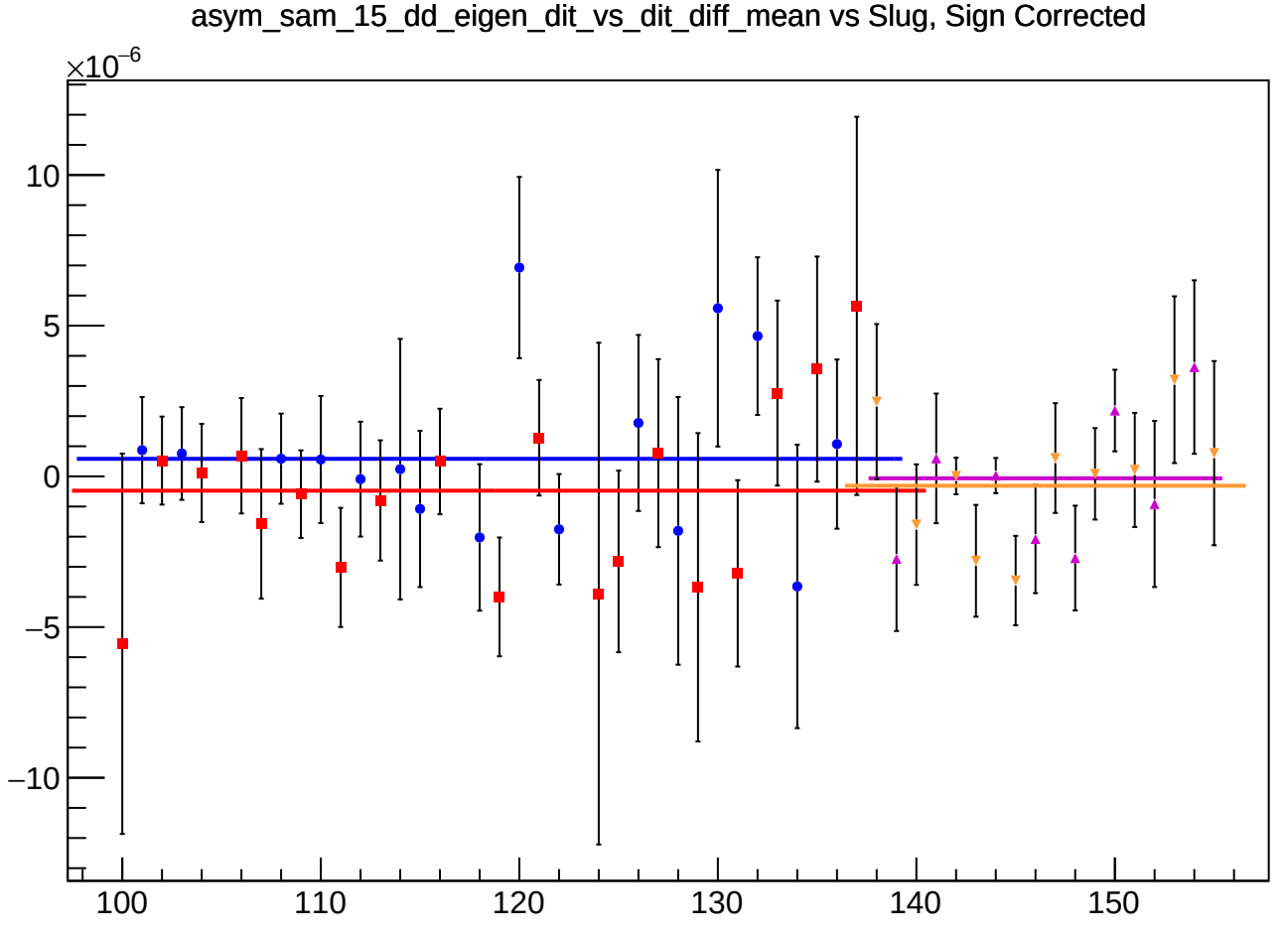
Left: 32.424+/-0.006 χ^2/NDF: 628709.4/17

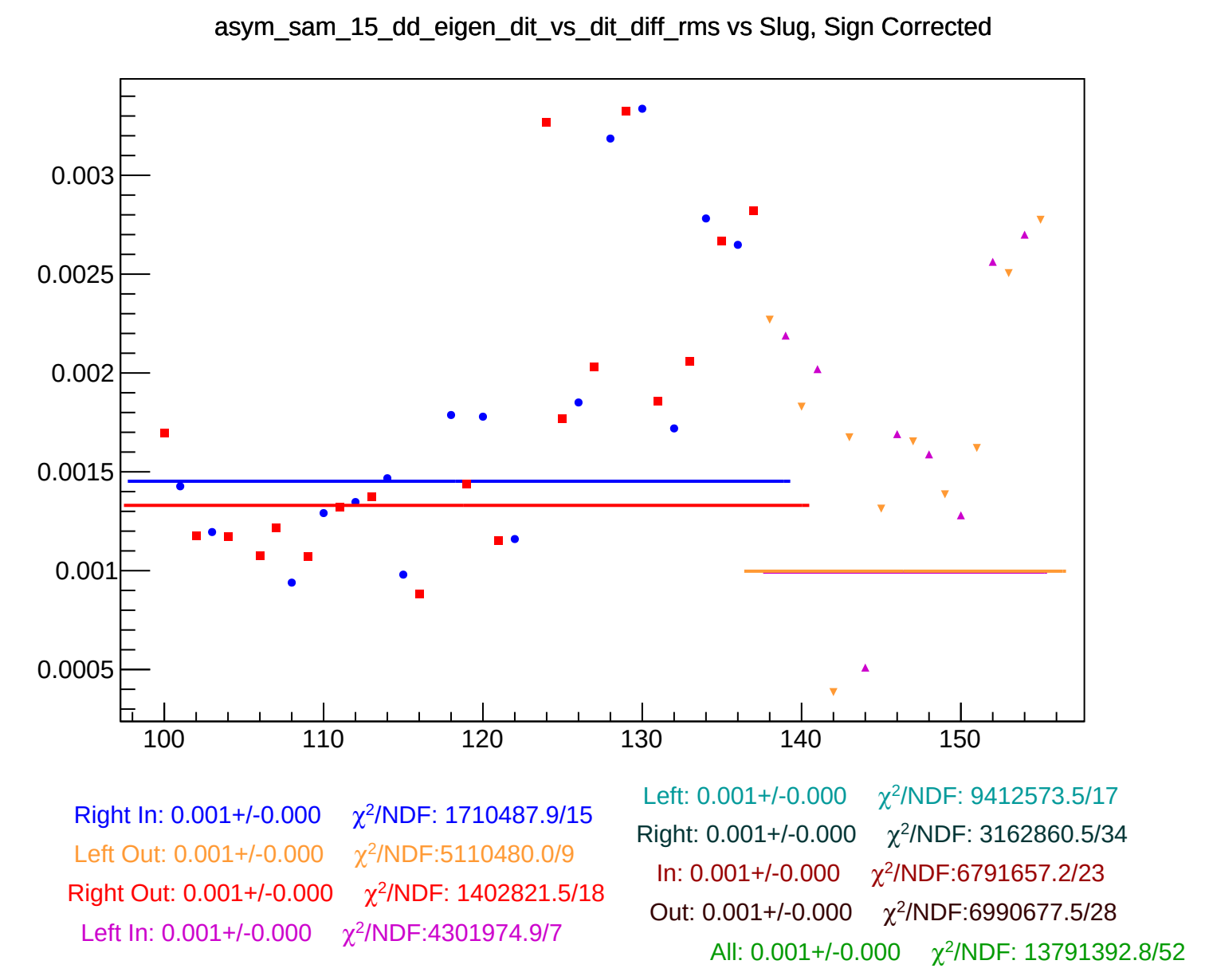
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

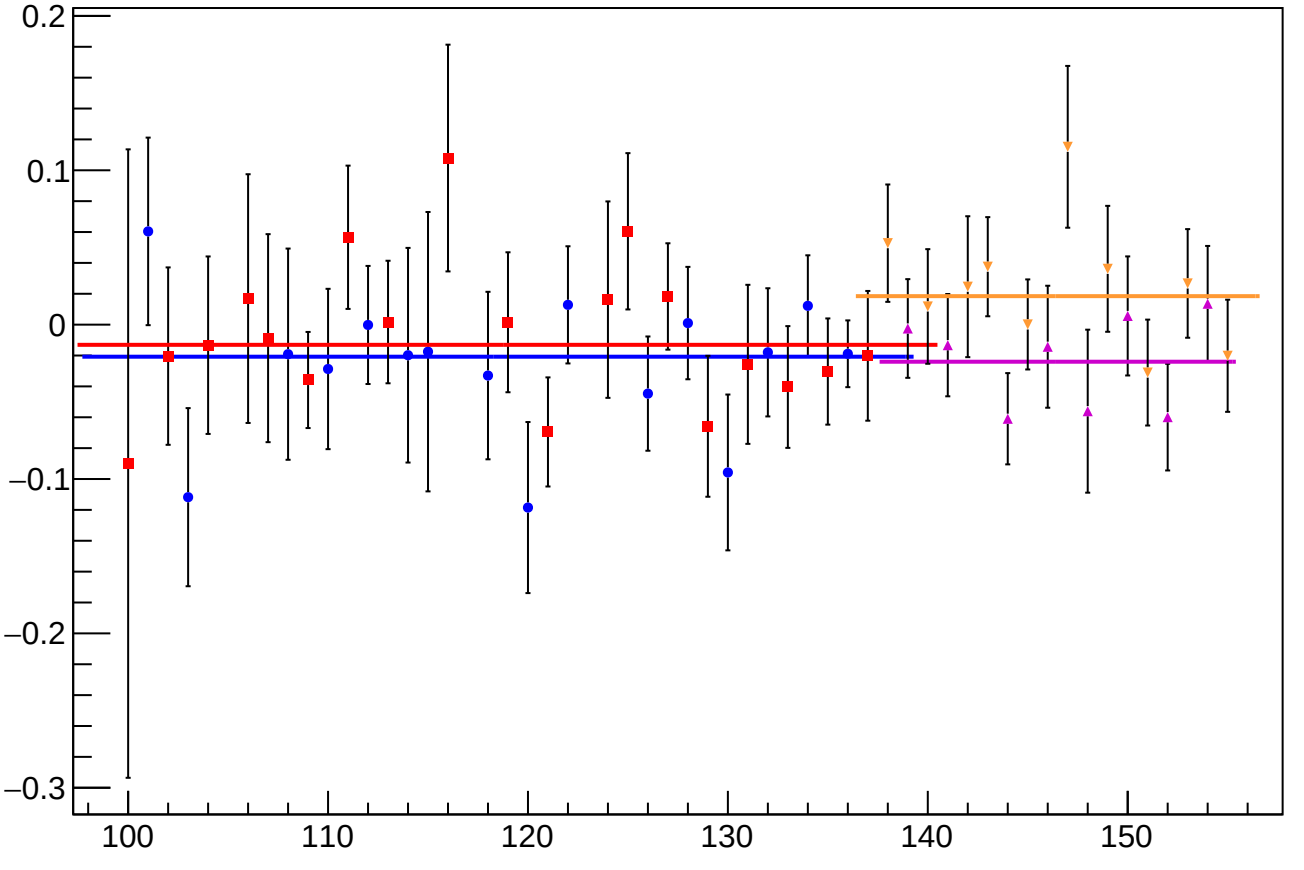
In: 29.345+/-0.006 χ^2/NDF:1686009.3/23

Out: 29.709+/-0.006 χ^2/NDF:1233732.1/28

All: 29.533+/-0.004 χ^2/NDF: 2921839.1/52


asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−6
10
5
0
−5
−10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 12.7/15
Left Out: -0.000+/-0.000 χ²/NDF:10.3/9
Right Out: -0.000+/-0.000 χ²/NDF: 13.2/18
Left In: -0.000+/-0.000 χ²/NDF:9.4/7
Left: -0.000+/-0.000 χ²/NDF: 19.9/17
Right: -0.000+/-0.000 χ²/NDF: 27.8/34
In: 0.000+/-0.000 χ²/NDF:22.9/23
Out: -0.000+/-0.000 χ²/NDF:23.6/28
All: -0.000+/-0.000 χ²/NDF: 47.8/52


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:5110480.0/9
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:4301974.9/7
Left: 0.001+/-0.000 χ²/NDF: 9412573.5/17
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:6791657.2/23
Out: 0.001+/-0.000 χ²/NDF:6990677.5/28
All: 0.001+/-0.000 χ²/NDF: 13791392.8/52



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.018+/-0.012 χ^2/NDF:8.5/9

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.024+/-0.013 χ^2/NDF:5.2/7

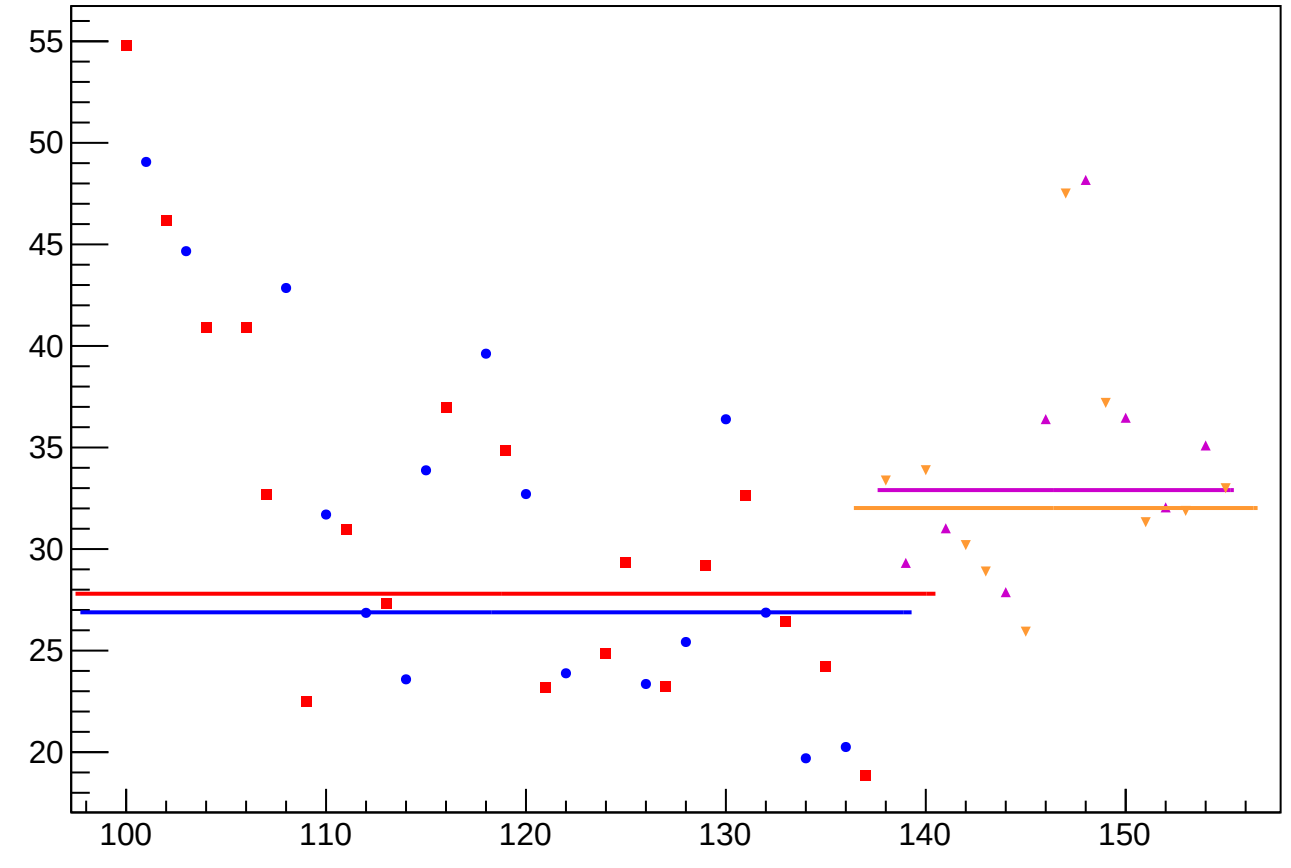
Left: -0.001+/-0.009 χ^2/NDF: 19.8/17

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.008 χ^2/NDF:17.8/23

Out: 0.001+/-0.008 χ^2/NDF:26.4/28

All: -0.010+/-0.006 χ^2/NDF: 48.5/52



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.020+/-0.008 χ^2/NDF:325925.8/9

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.903+/-0.009 χ^2/NDF:297554.5/7

Left: 32.424+/-0.006 χ^2/NDF: 628774.9/17

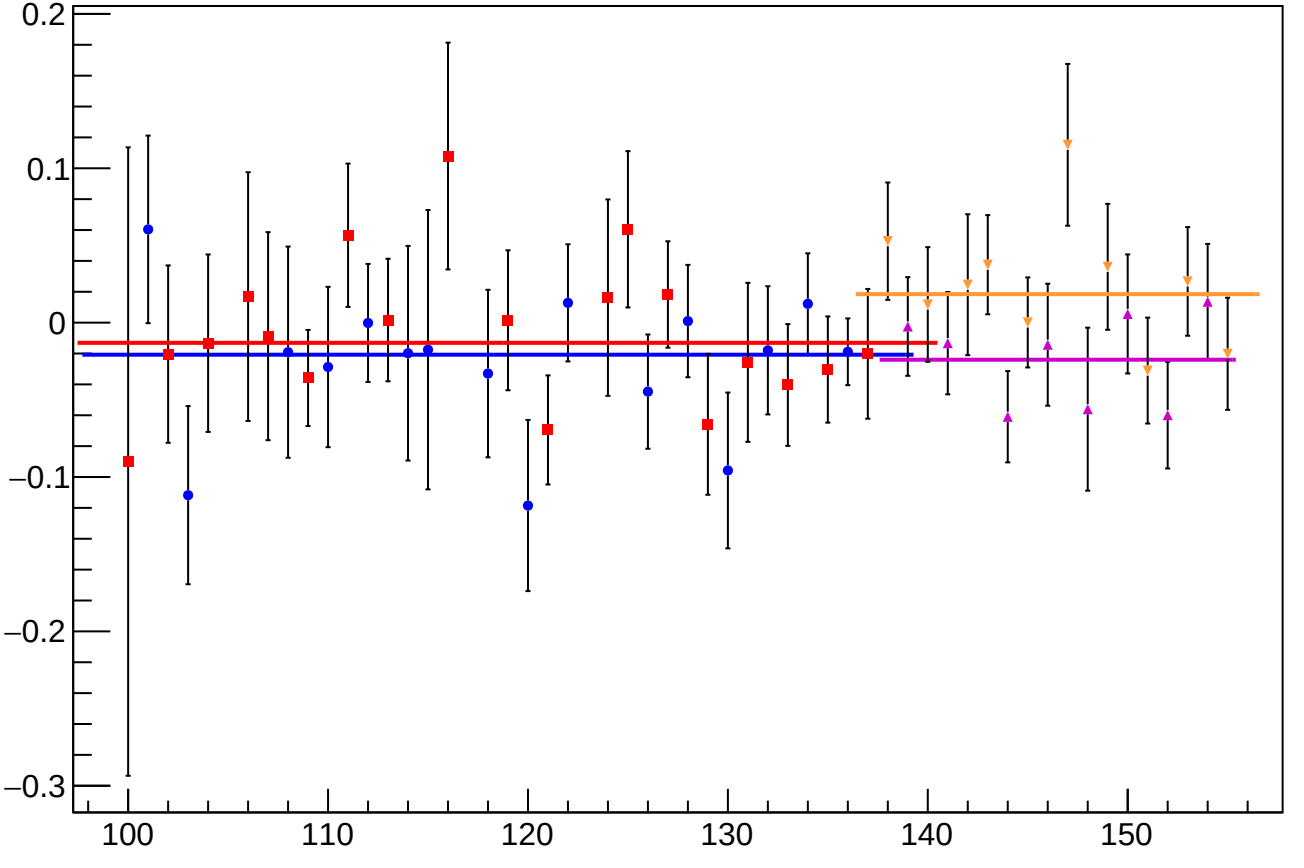
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.344+/-0.006 χ^2/NDF:1686157.7/23

Out: 29.708+/-0.006 χ^2/NDF:1234004.9/28

All: 29.532+/-0.004 χ^2/NDF: 2922256.7/52

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: 0.018+/-0.012 χ^2/NDF:8.5/9

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.024+/-0.013 χ^2/NDF:5.2/7

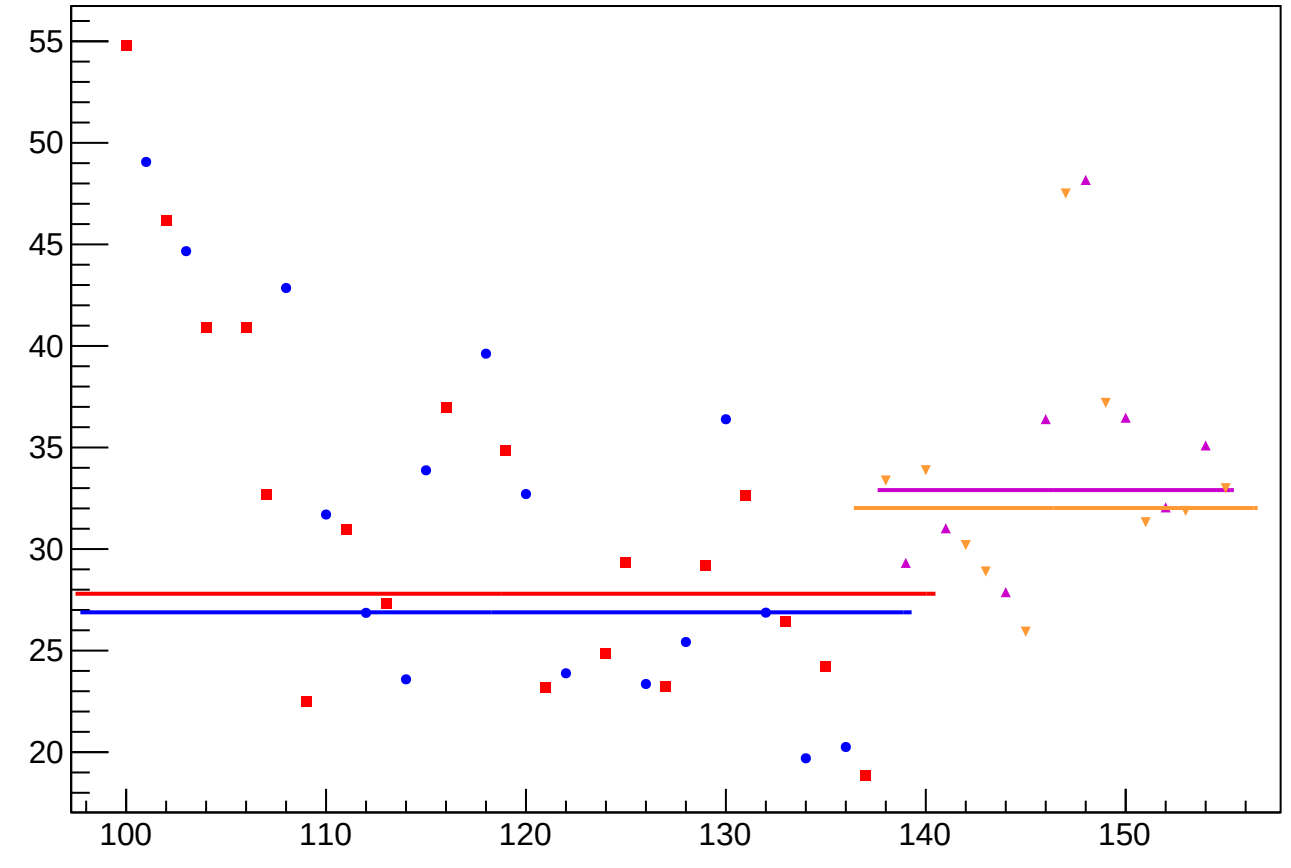
Left: -0.001+/-0.009 χ^2/NDF: 19.8/17

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.022+/-0.008 χ^2/NDF:17.8/23

Out: 0.001+/-0.008 χ^2/NDF:26.4/28

All: -0.010+/-0.006 χ^2/NDF: 48.5/52



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.020+/-0.008 χ^2/NDF:325925.8/9

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.903+/-0.009 χ^2/NDF:297554.5/7

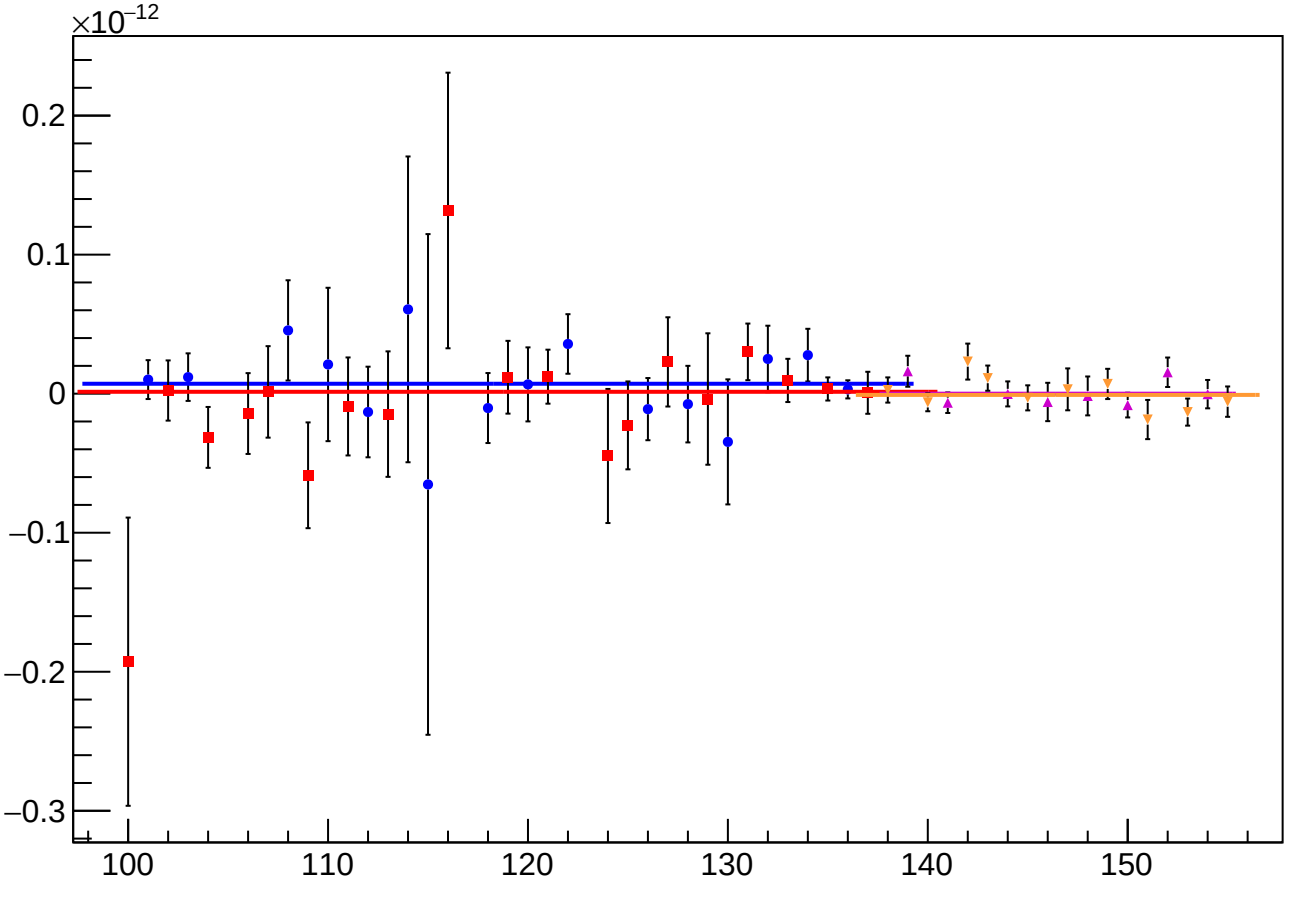
Left: 32.424+/-0.006 χ^2/NDF: 628774.9/17

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.344+/-0.006 χ^2/NDF:1686157.7/23

Out: 29.708+/-0.006 χ^2/NDF:1234004.9/28

All: 29.532+/-0.004 χ^2/NDF: 2922256.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/7

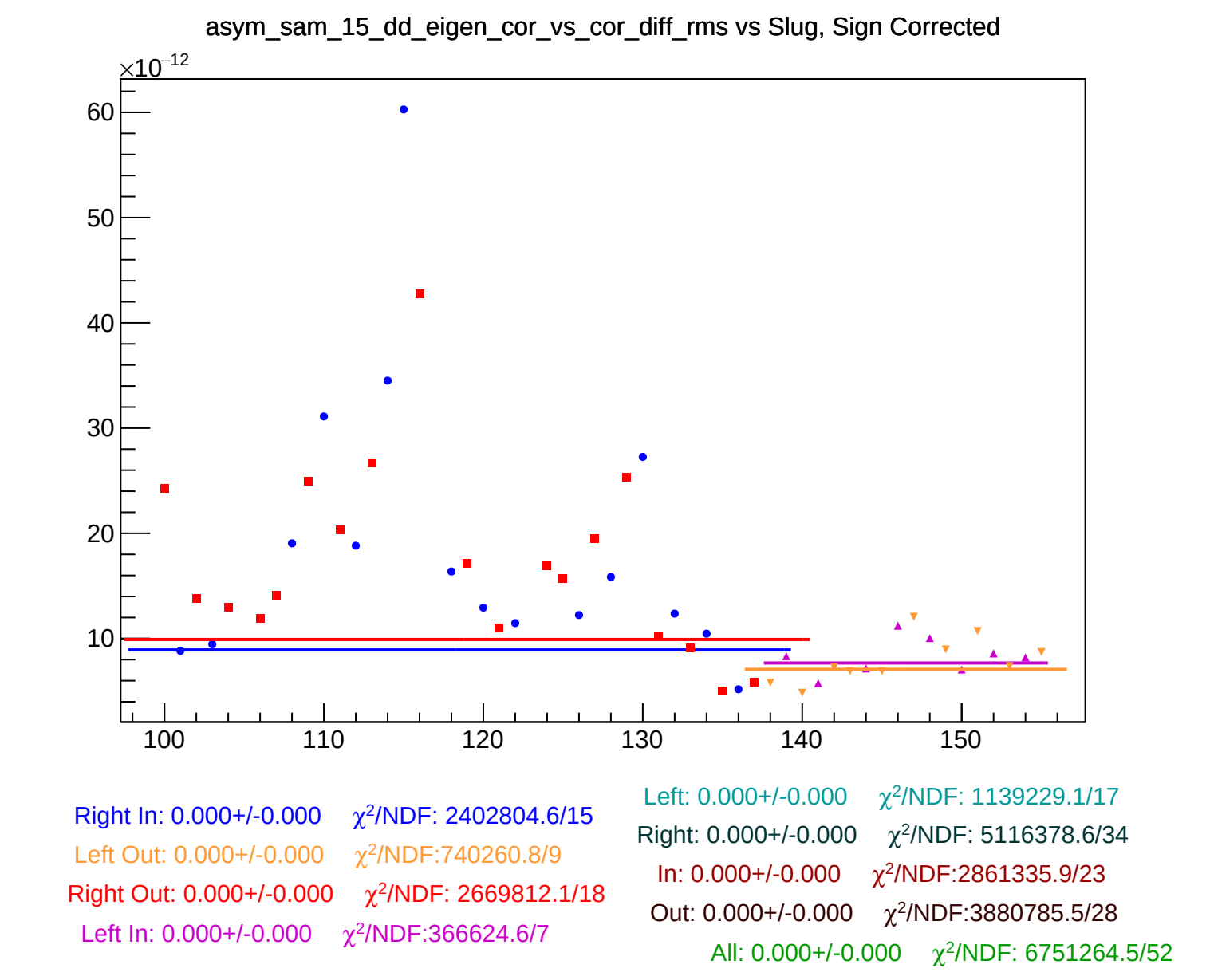
Left: -0.000+/-0.000 χ^2/NDF: 16.2/17

Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:15.9/23

Out: -0.000+/-0.000 χ^2/NDF:25.5/28

All: 0.000+/-0.000 χ^2/NDF: 41.9/52


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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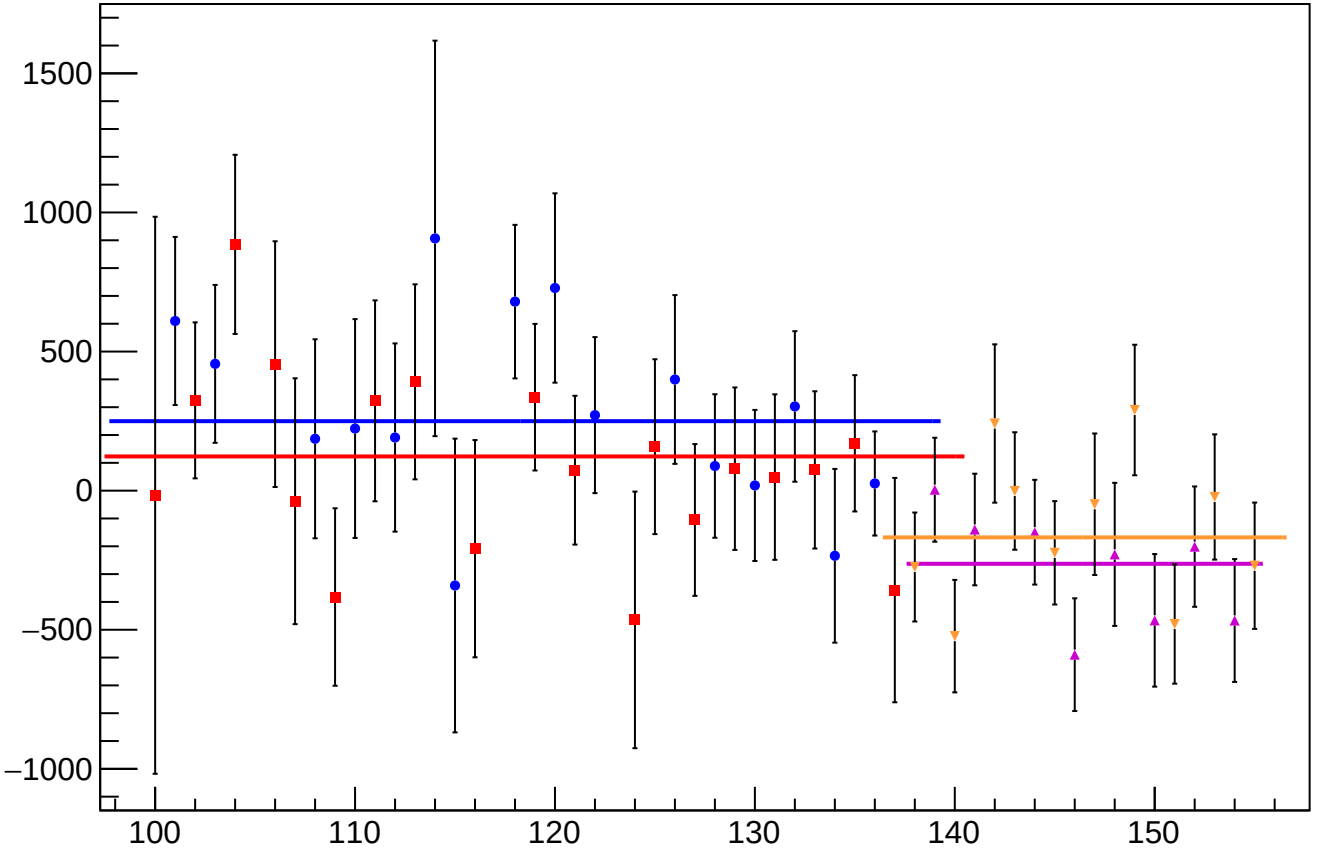
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:740260.8/9
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:366624.6/7
Left: 0.000+/-0.000 χ²/NDF: 1139229.1/17
Right: 0.000+/-0.000 χ²/NDF: 5116378.6/34
In: 0.000+/-0.000 χ²/NDF:2861335.9/23
Out: 0.000+/-0.000 χ²/NDF:3880785.5/28
All: 0.000+/-0.000 χ²/NDF: 6751264.5/52

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -168.000+/-69.208 χ^2/NDF:12.9/9

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -262.888+/-74.391 χ^2/NDF:7.1/7

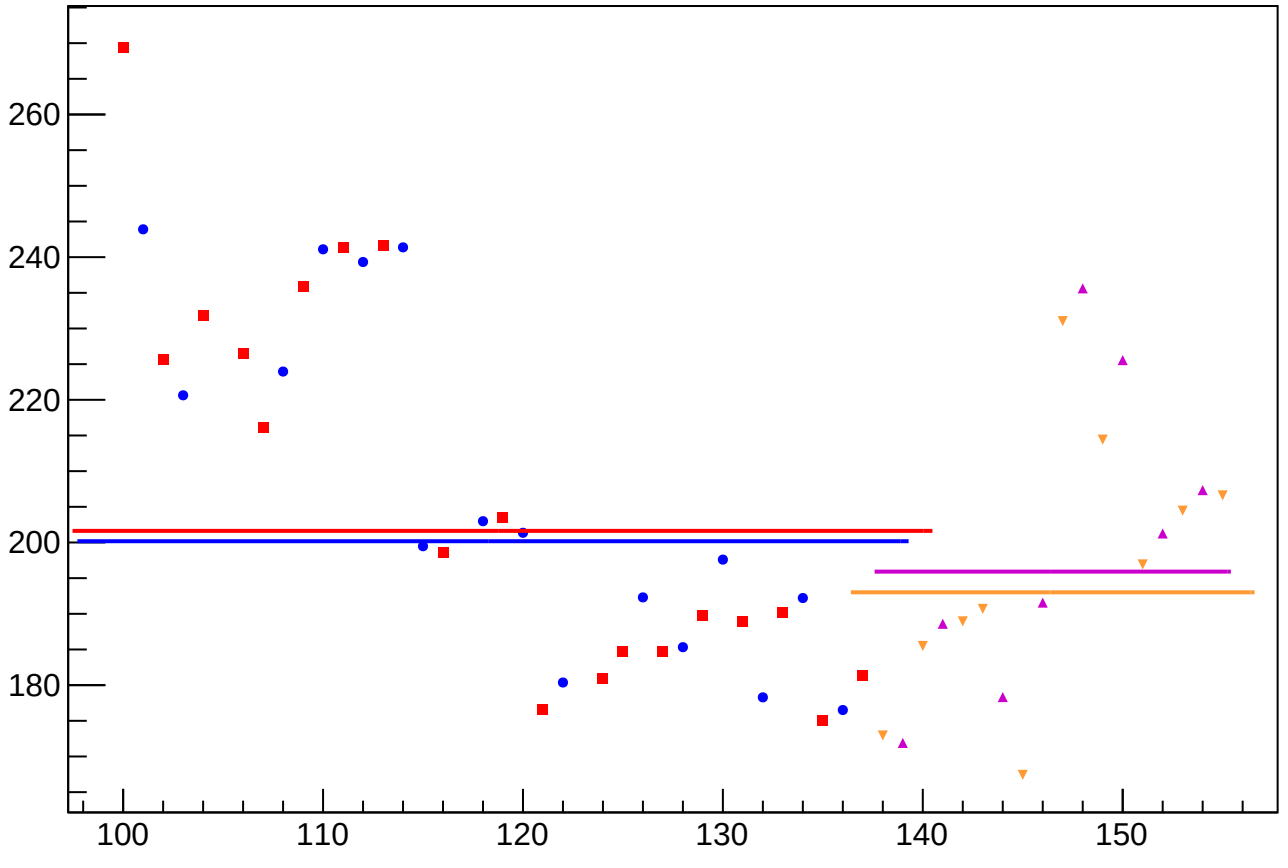
Left: -212.023+/-50.671 χ^2/NDF: 20.8/17

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -8.232+/-52.774 χ^2/NDF:44.4/23

Out: -32.951+/-50.664 χ^2/NDF:36.7/28

All: -21.095+/-36.548 χ^2/NDF: 81.2/52



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 193.015+/-0.049 χ^2/NDF:136685.1/9

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 195.915+/-0.053 χ^2/NDF:139293.9/7

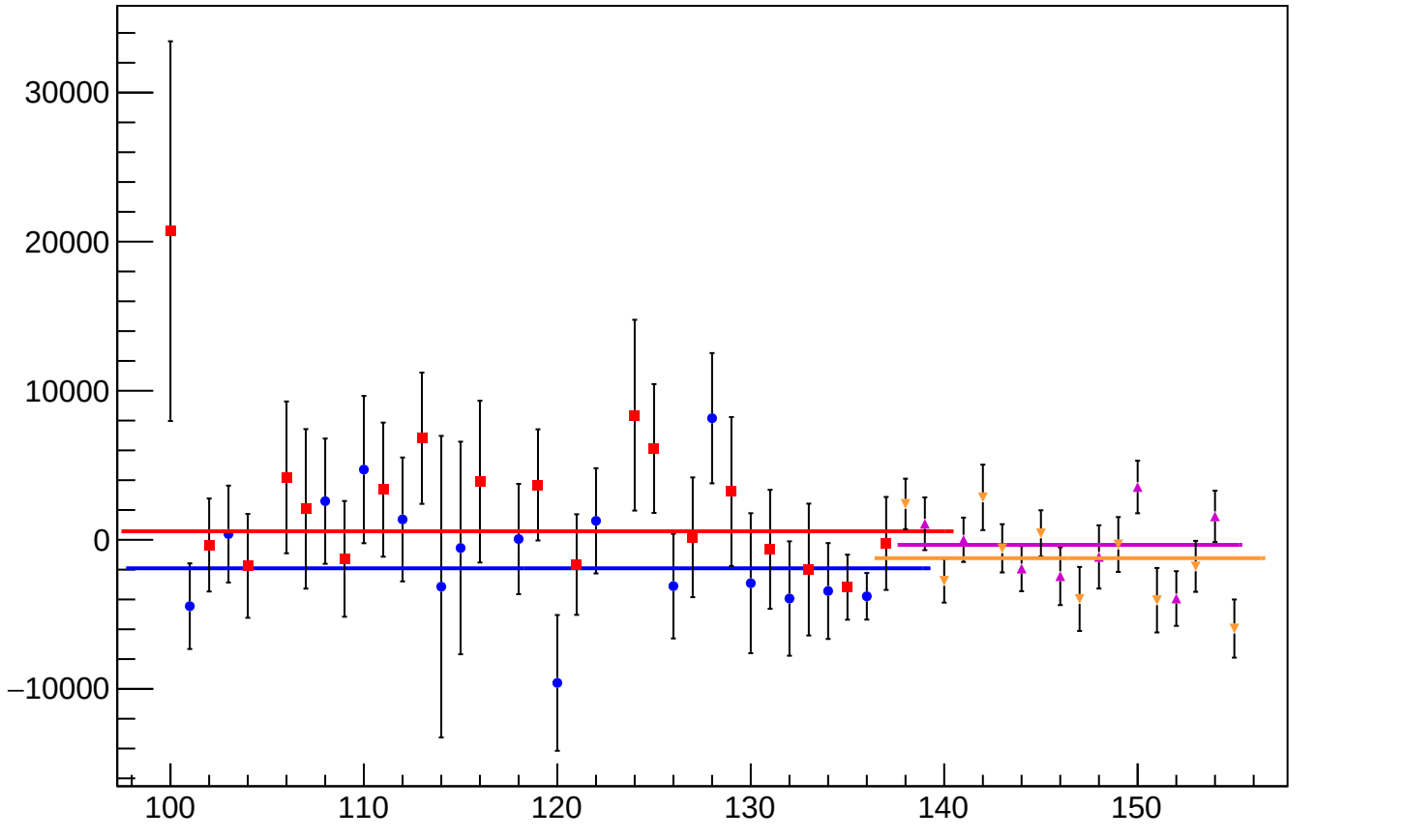
Left: 194.360+/-0.036 χ^2/NDF: 277609.1/17

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 198.032+/-0.037 χ^2/NDF:323555.5/23

Out: 197.012+/-0.036 χ^2/NDF:348304.8/28

All: 197.501+/-0.026 χ^2/NDF: 672249.5/52



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -1231.473+/-562.949 χ^2/NDF:20.0/9

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -338.272+/-613.932 χ^2/NDF:13.1/7

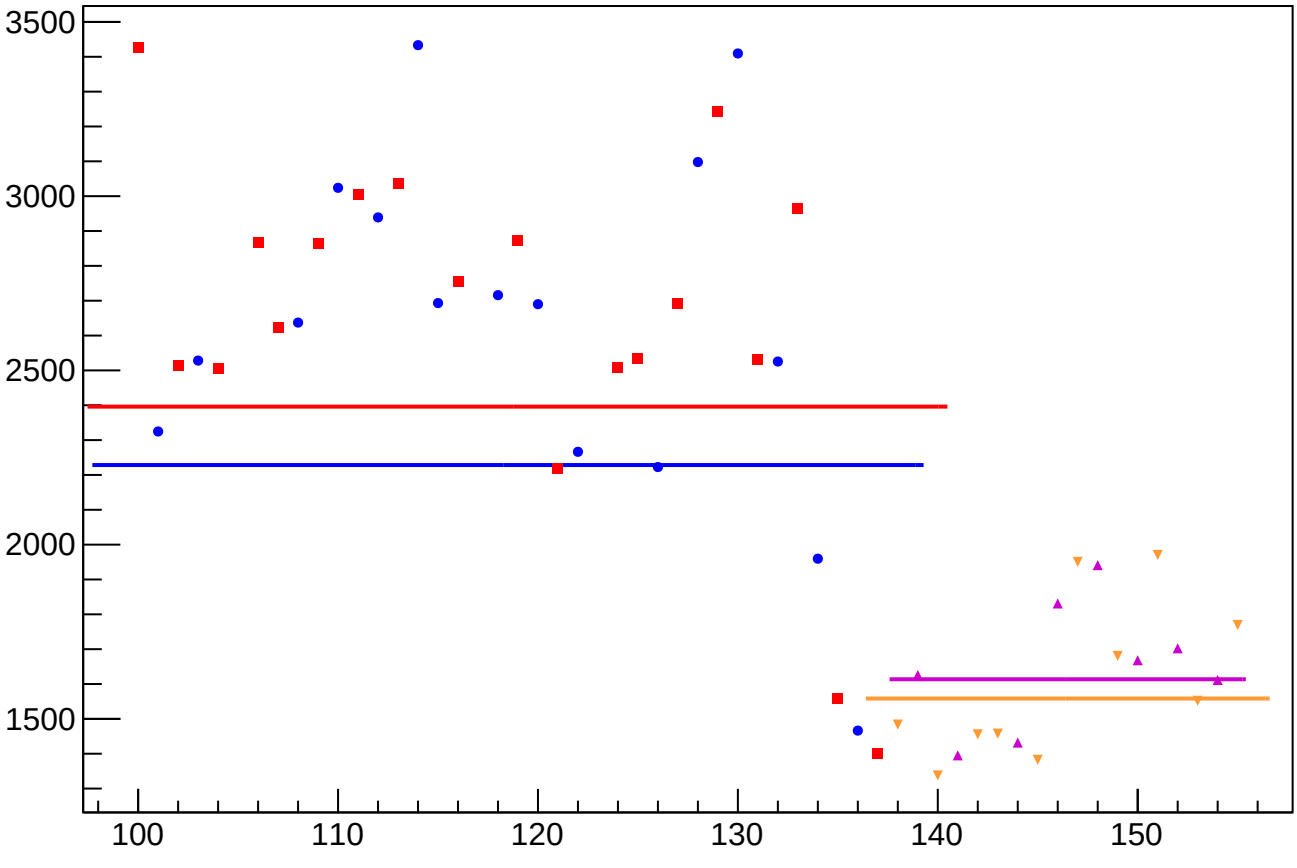
Left: -823.494+/-414.920 χ^2/NDF: 34.2/17

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -869.720+/-499.495 χ^2/NDF:31.5/23

Out: -724.960+/-477.340 χ^2/NDF:37.5/28

All: -794.059+/-345.097 χ^2/NDF: 69.1/52



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1558.387+/-0.398 χ^2/NDF:259089.5/9

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1613.686+/-0.434 χ^2/NDF:151416.0/7

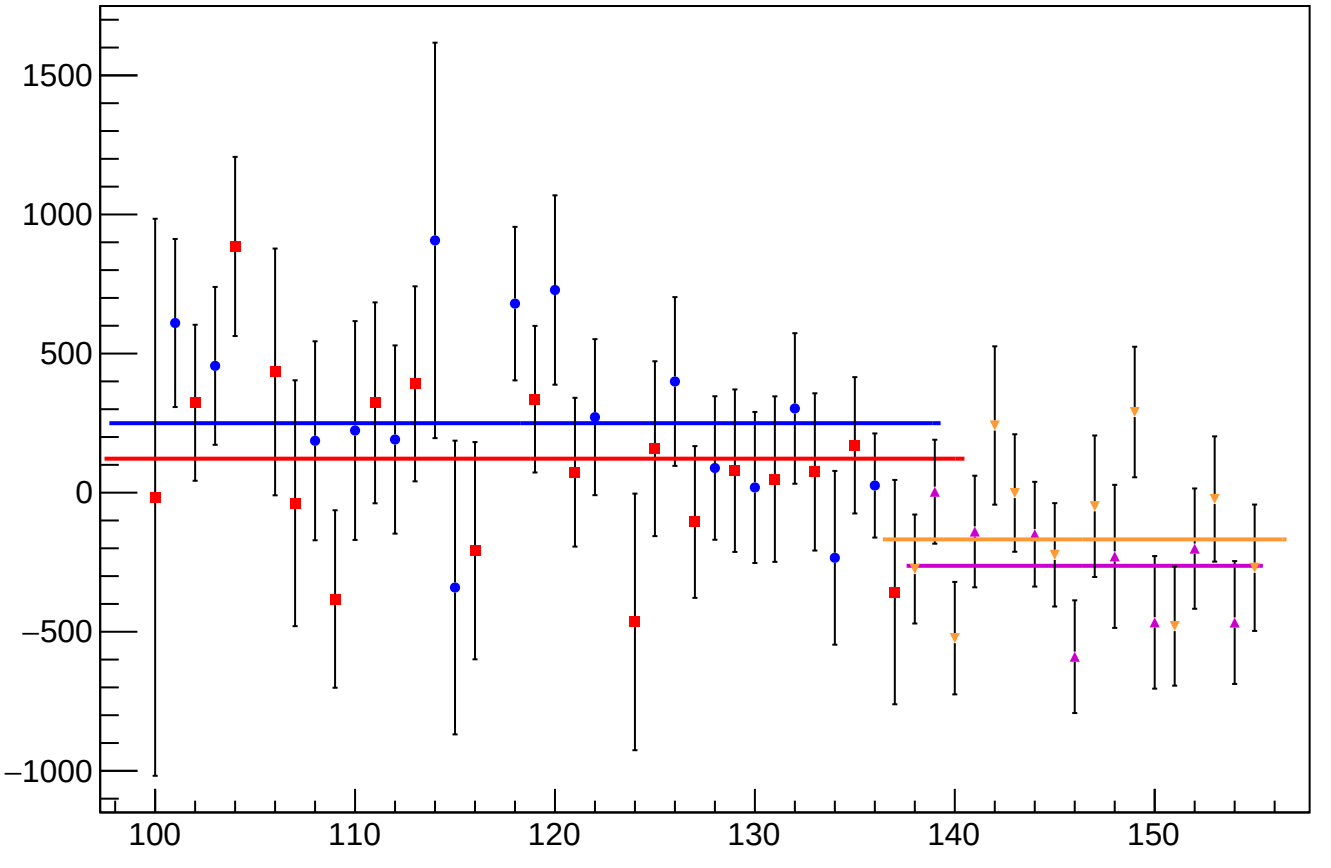
Left: 1583.646+/-0.293 χ^2/NDF: 419320.2/17

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1821.503+/-0.353 χ^2/NDF:1776974.0/23

Out: 1793.795+/-0.338 χ^2/NDF:2303035.6/28

All: 1807.021+/-0.244 χ^2/NDF: 4083226.6/52



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -167.998+/-69.208 χ^2/NDF:12.9/9

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -262.887+/-74.391 χ^2/NDF:7.1/7

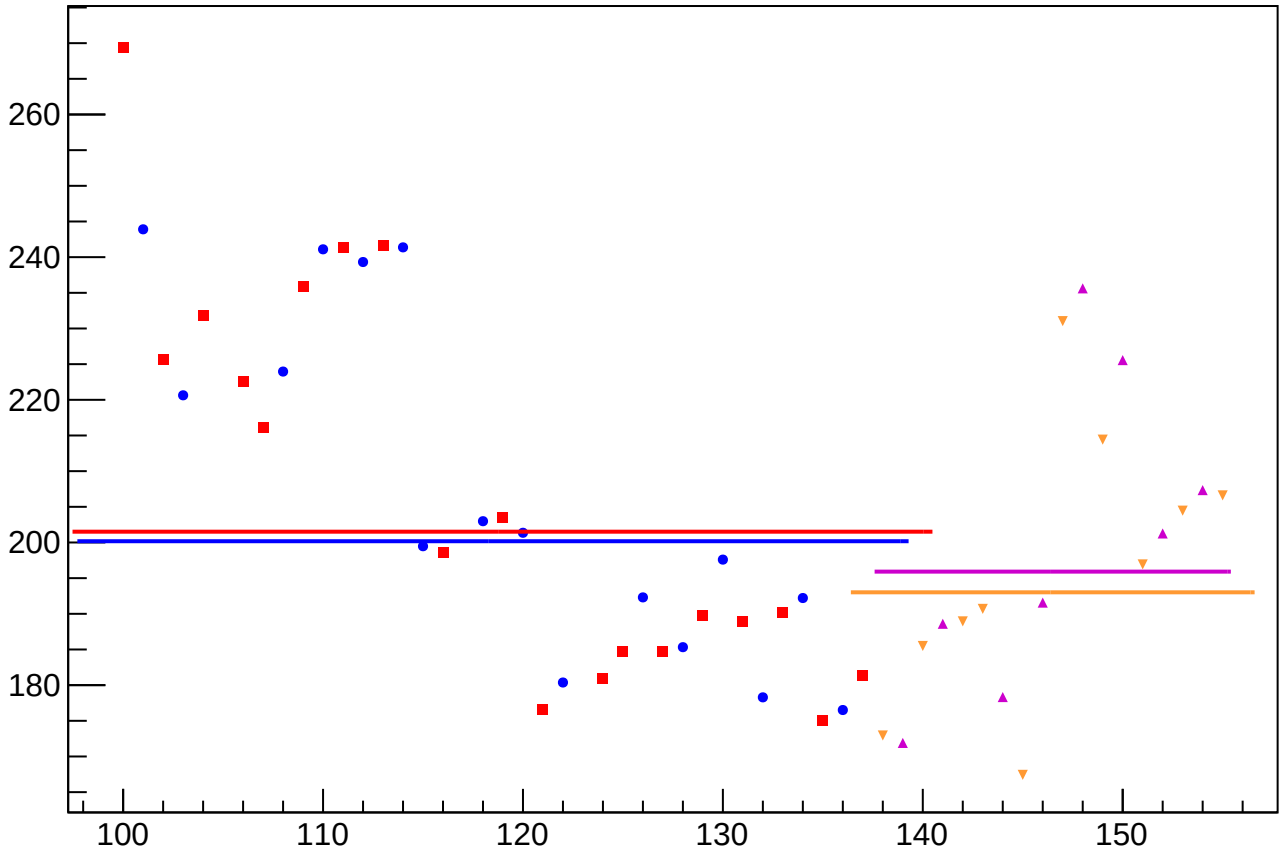
Left: -212.022+/-50.671 χ^2/NDF: 20.8/17

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -8.230+/-52.774 χ^2/NDF:44.4/23

Out: -33.334+/-50.667 χ^2/NDF:36.5/28

All: -21.293+/-36.549 χ^2/NDF: 81.1/52



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 193.015+/-0.049 χ^2/NDF:136685.1/9

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 195.915+/-0.053 χ^2/NDF:139294.0/7

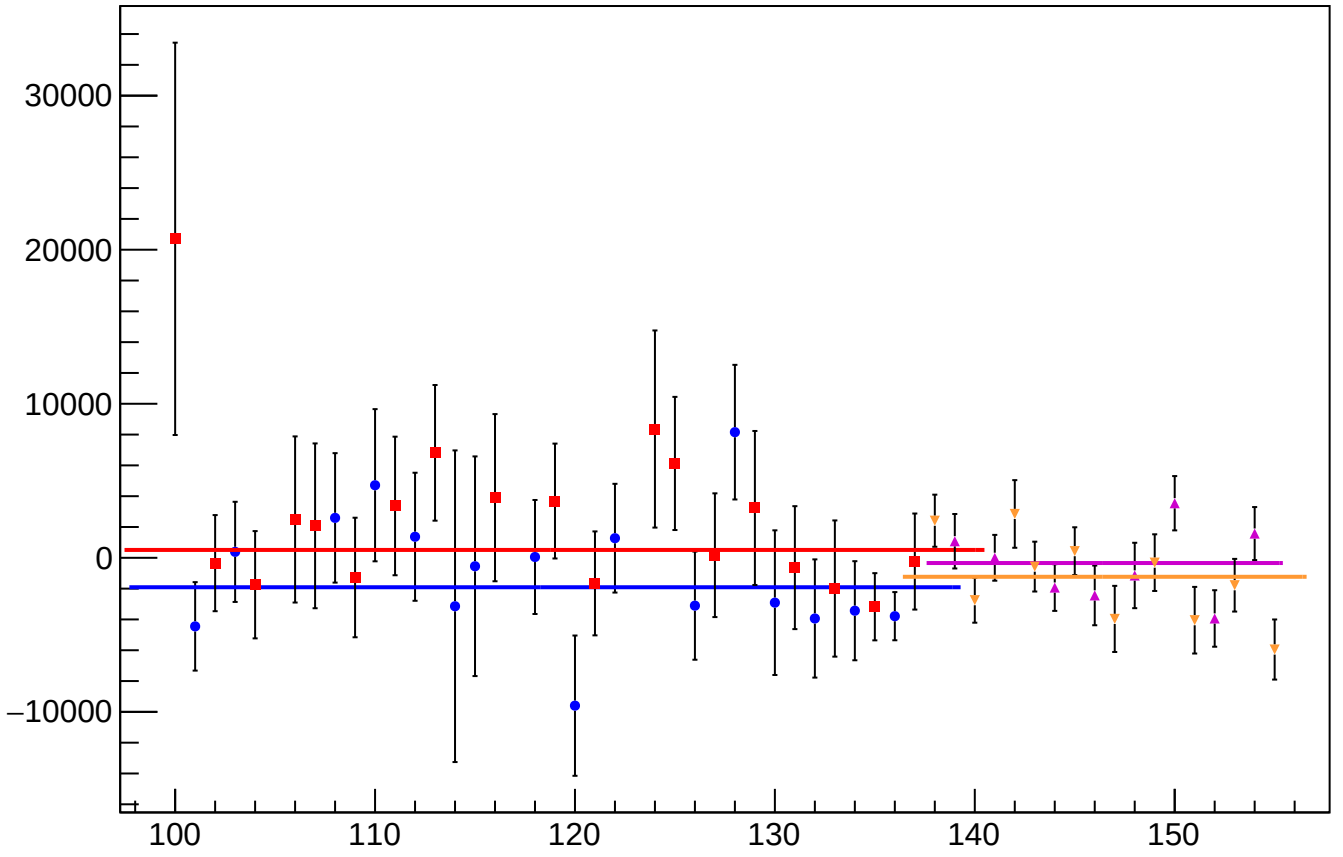
Left: 194.360+/-0.036 χ^2/NDF: 277609.1/17

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 198.032+/-0.037 χ^2/NDF:323555.9/23

Out: 196.959+/-0.036 χ^2/NDF:346114.2/28

All: 197.474+/-0.026 χ^2/NDF: 670100.7/52



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -1231.476+/-562.949 χ^2/NDF:20.0/9

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -338.263+/-613.932 χ^2/NDF:13.1/7

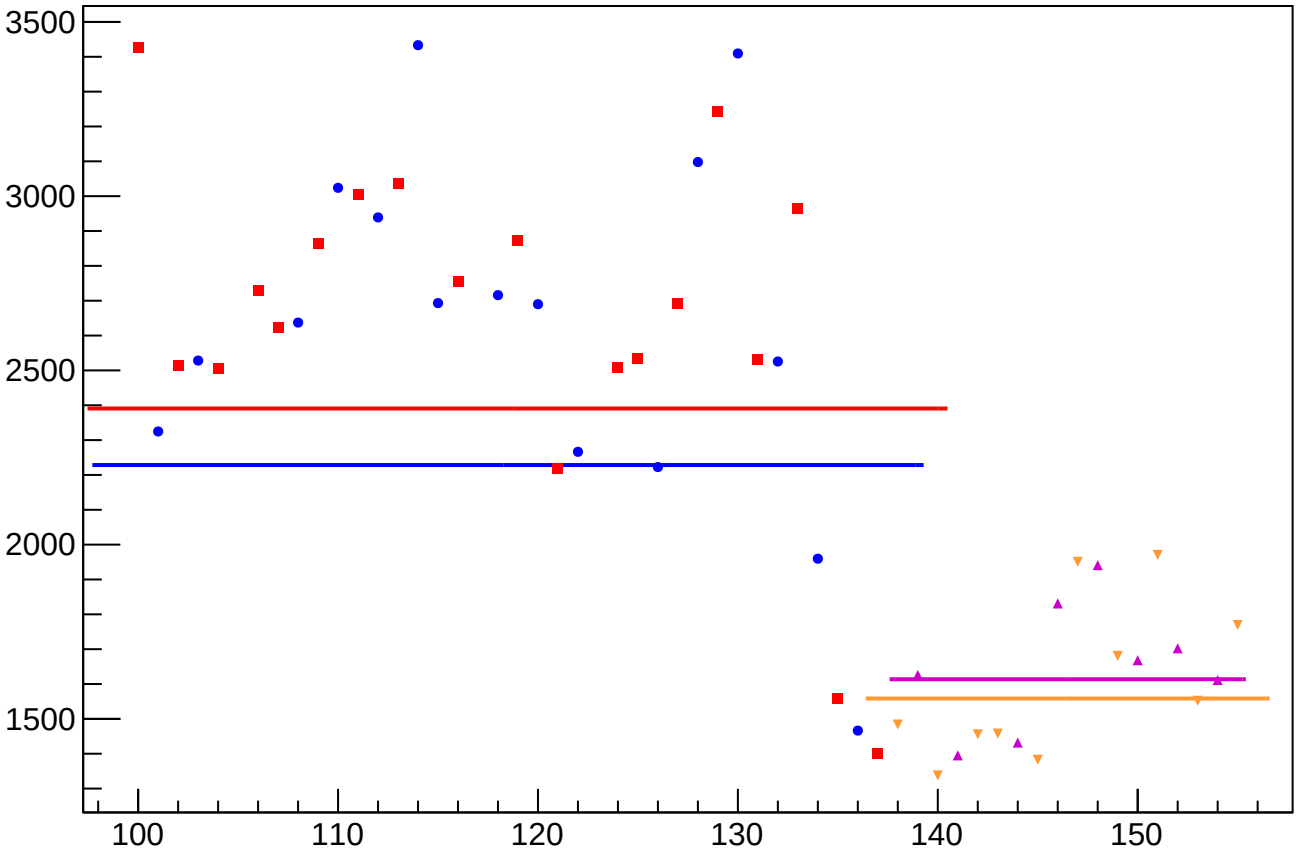
Left: -823.491+/-414.920 χ^2/NDF: 34.2/17

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -869.700+/-499.495 χ^2/NDF:31.5/23

Out: -742.951+/-477.572 χ^2/NDF:37.0/28

All: -803.483+/-345.185 χ^2/NDF: 68.5/52



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1558.387+/-0.398 χ^2/NDF:259090.0/9

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1613.686+/-0.434 χ^2/NDF:151416.8/7

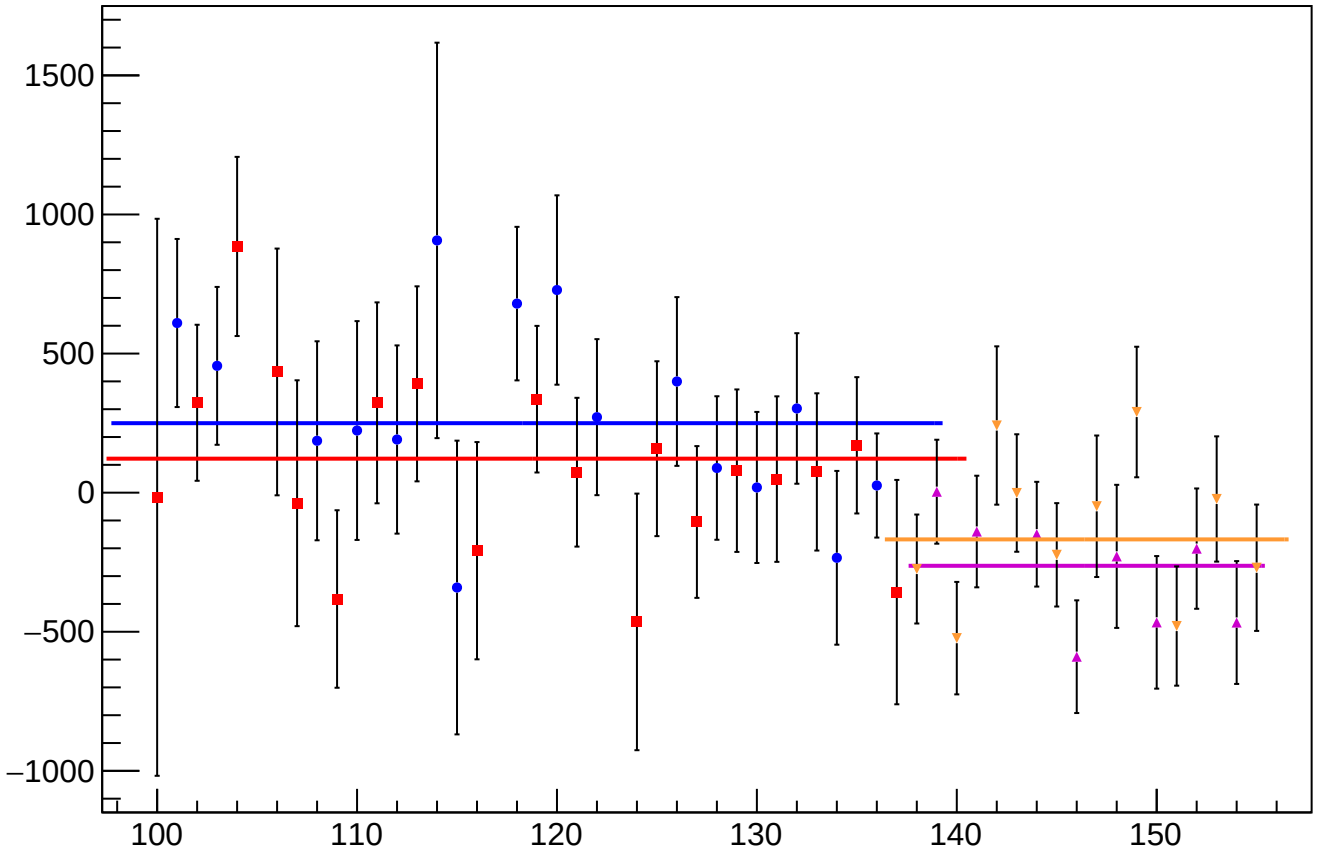
Left: 1583.646+/-0.293 χ^2/NDF: 419321.6/17

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1821.505+/-0.353 χ^2/NDF:1776984.6/23

Out: 1791.708+/-0.338 χ^2/NDF:2274695.1/28

All: 1805.938+/-0.244 χ^2/NDF: 4055397.8/52



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -167.998+/-69.208 χ^2/NDF:12.9/9

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -262.887+/-74.391 χ^2/NDF:7.1/7

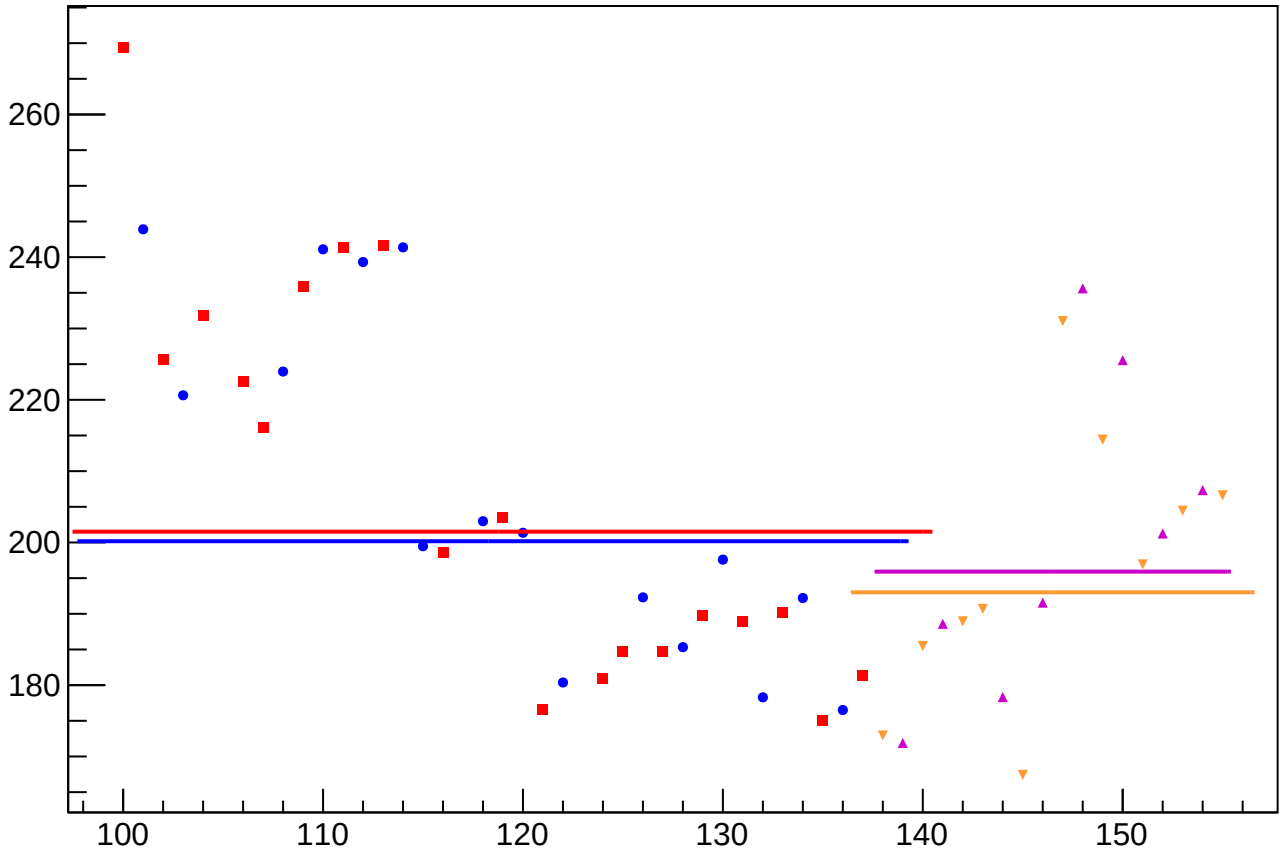
Left: -212.022+/-50.671 χ^2/NDF: 20.8/17

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -8.230+/-52.774 χ^2/NDF:44.4/23

Out: -33.334+/-50.667 χ^2/NDF:36.5/28

All: -21.293+/-36.549 χ^2/NDF: 81.1/52



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 193.015+/-0.049 χ^2/NDF:136685.1/9

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 195.915+/-0.053 χ^2/NDF:139294.0/7

Left: 194.360+/-0.036 χ^2/NDF: 277609.1/17

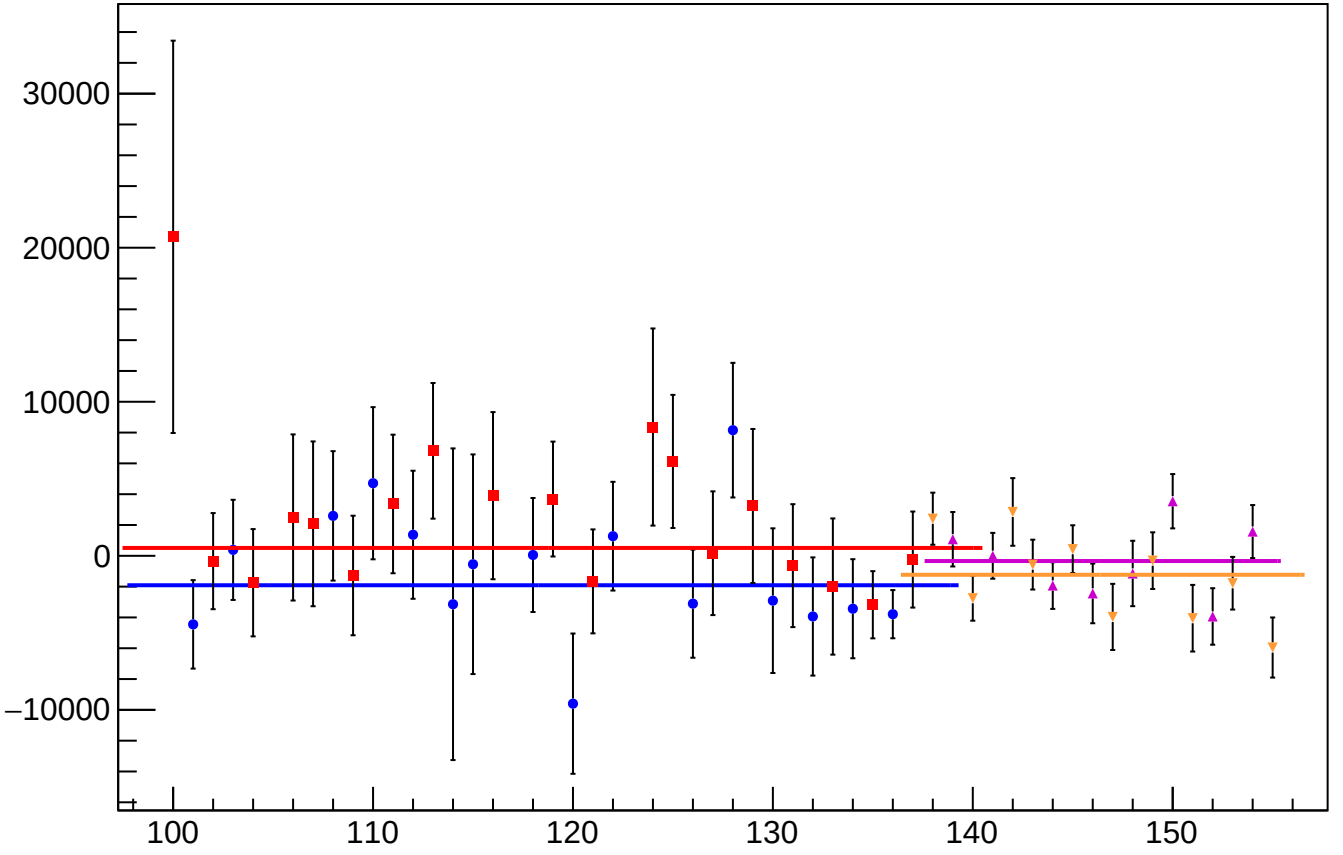
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 198.032+/-0.037 χ^2/NDF:323555.9/23

Out: 196.959+/-0.036 χ^2/NDF:346114.2/28

All: 197.474+/-0.026 χ^2/NDF: 670100.7/52

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -1231.476+/-562.949 χ^2/NDF:20.0/9

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -338.263+/-613.932 χ^2/NDF:13.1/7

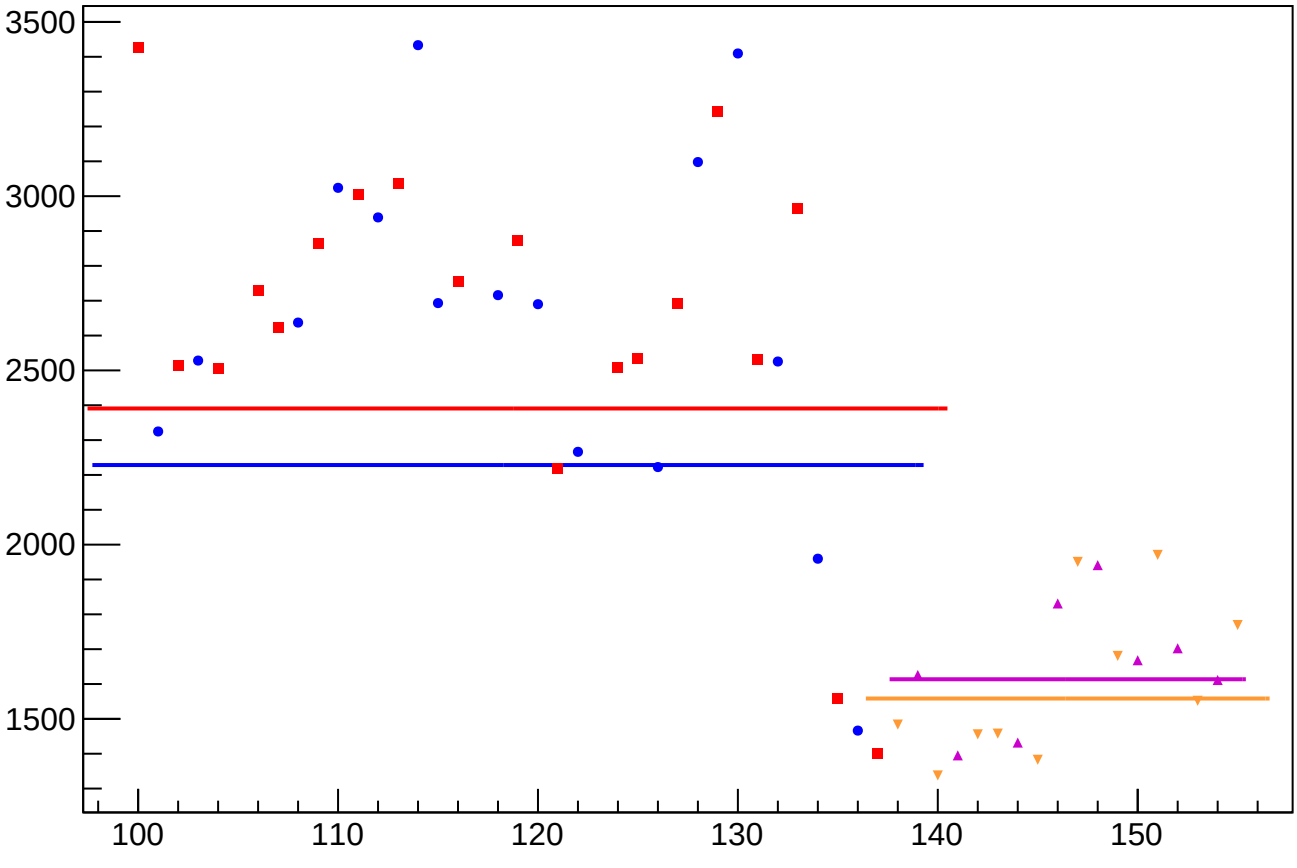
Left: -823.491+/-414.920 χ^2/NDF: 34.2/17

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -869.700+/-499.495 χ^2/NDF:31.5/23

Out: -742.951+/-477.572 χ^2/NDF:37.0/28

All: -803.483+/-345.185 χ^2/NDF: 68.5/52



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1558.387+/-0.398 χ^2/NDF:259090.0/9

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1613.686+/-0.434 χ^2/NDF:151416.8/7

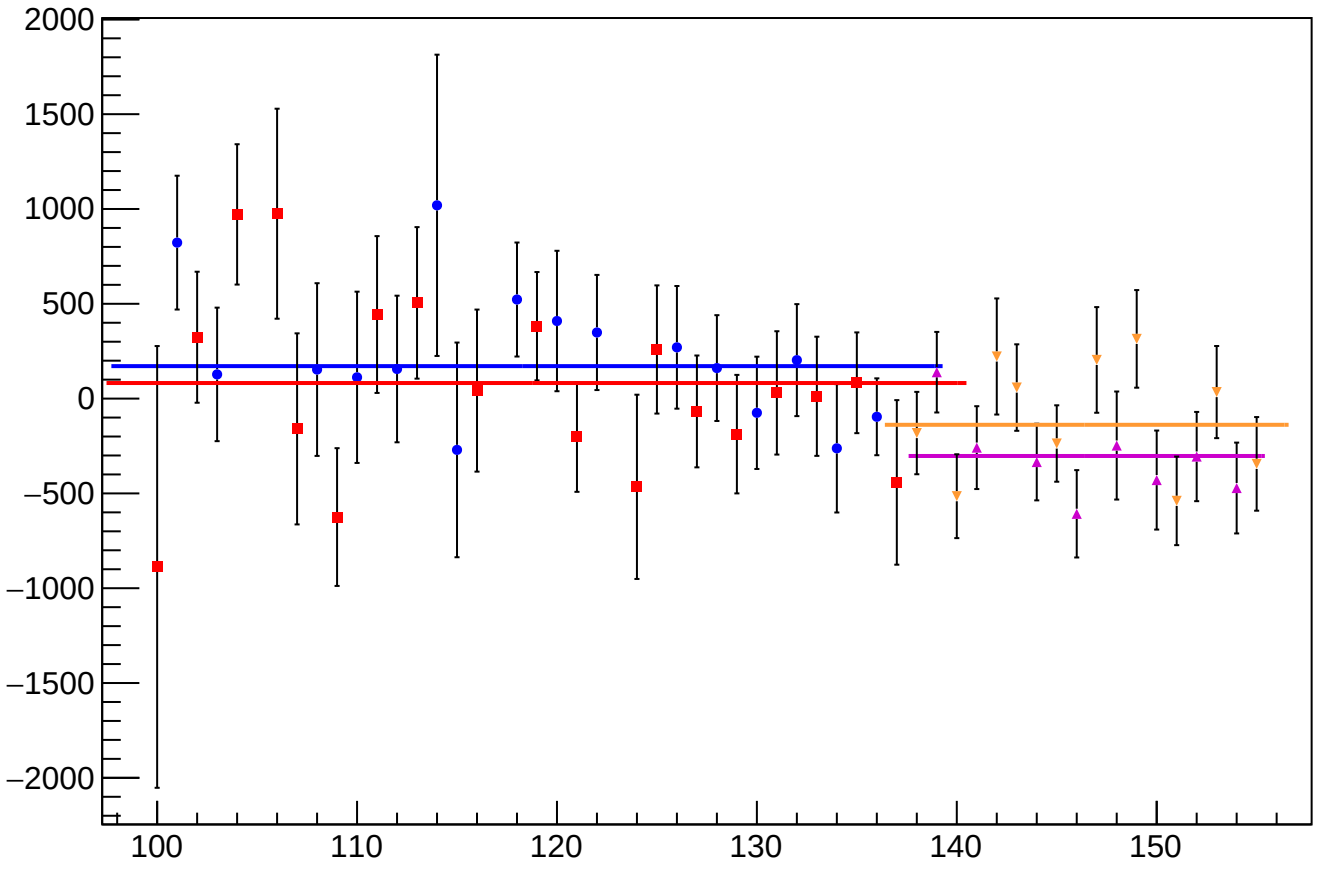
Left: 1583.646+/-0.293 χ^2/NDF: 419321.6/17

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1821.505+/-0.353 χ^2/NDF:1776984.6/23

Out: 1791.708+/-0.338 χ^2/NDF:2274695.1/28

All: 1805.938+/-0.244 χ^2/NDF: 4055397.8/52



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -138.184+/-75.417 χ^2/NDF:14.1/9

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -302.632+/-81.953 χ^2/NDF:6.9/7

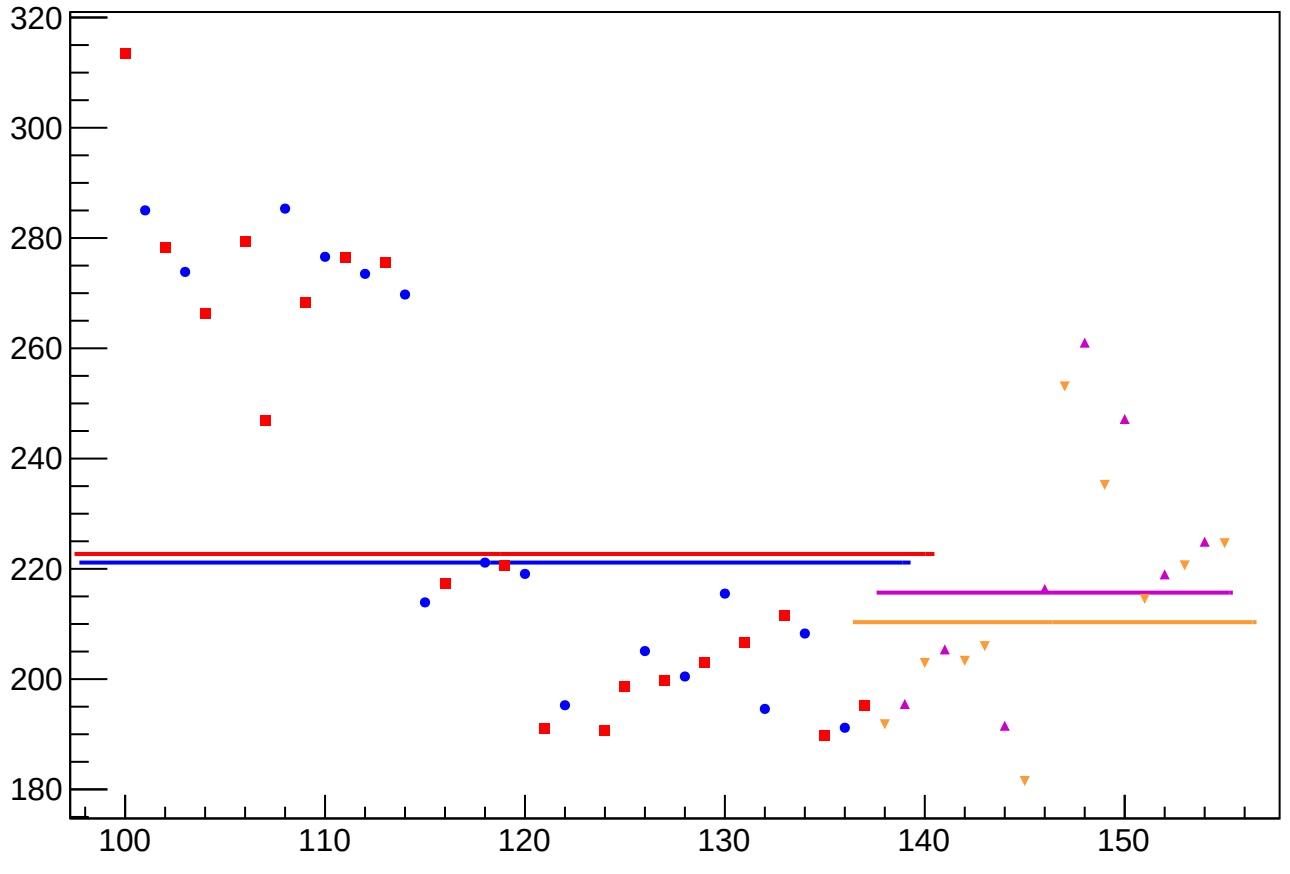
Left: -213.590+/-55.495 χ^2/NDF: 23.2/17

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -69.025+/-58.356 χ^2/NDF:34.9/23

Out: -37.939+/-55.678 χ^2/NDF:39.6/28

All: -52.752+/-40.284 χ^2/NDF: 74.6/52



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 210.333+/-0.053 χ^2/NDF:136223.4/9

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 215.690+/-0.058 χ^2/NDF:134158.0/7

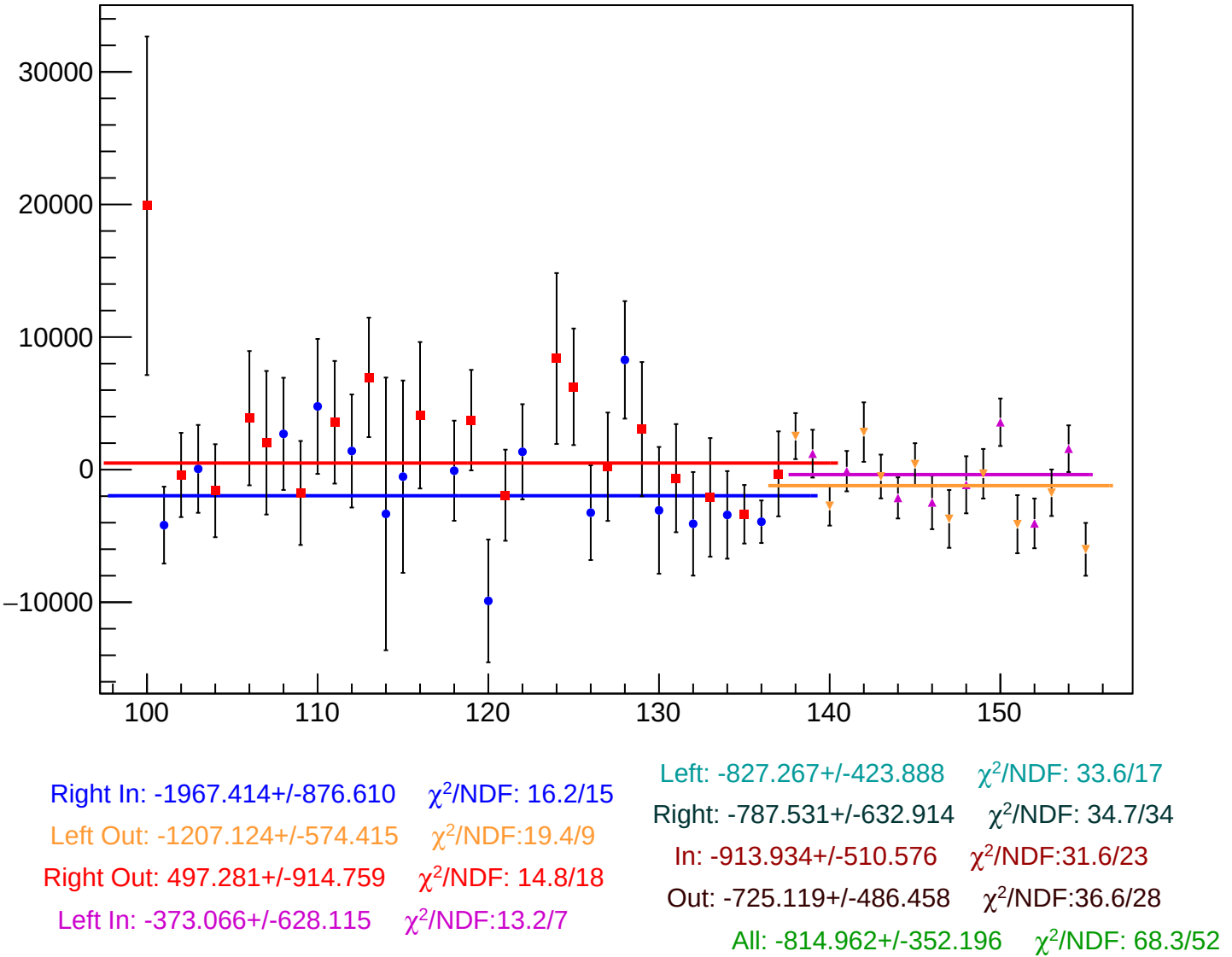
Left: 212.789+/-0.039 χ^2/NDF: 275008.9/17

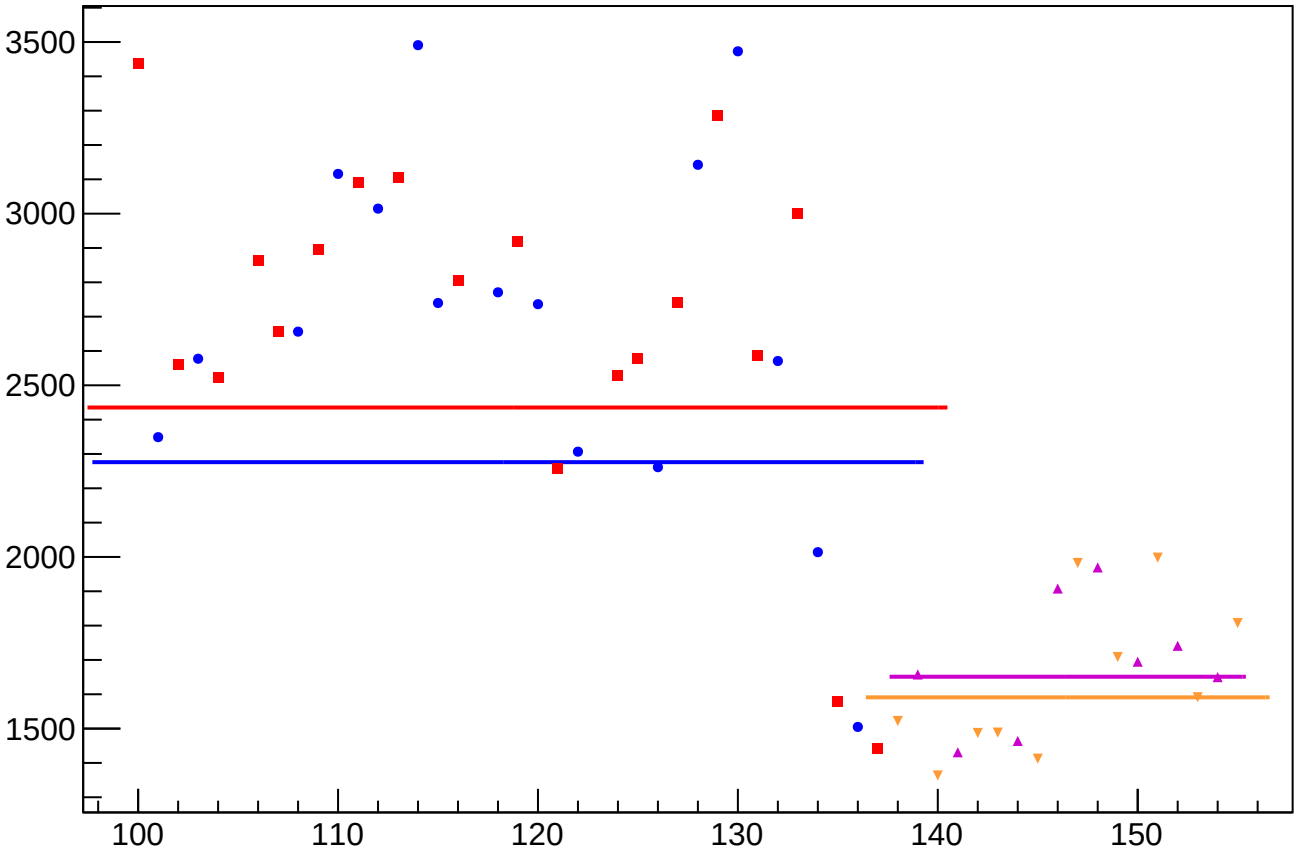
Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 218.376+/-0.041 χ^2/NDF:457218.7/23

Out: 215.958+/-0.039 χ^2/NDF:487714.1/28

All: 217.110+/-0.028 χ^2/NDF: 946730.1/52


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1967.414+/-876.610 χ²/NDF: 16.2/15
Left Out: -1207.124+/-574.415 χ²/NDF:19.4/9
Right Out: 497.281+/-914.759 χ²/NDF: 14.8/18
Left In: -373.066+/-628.115 χ²/NDF:13.2/7
Left: -827.267+/-423.888 χ²/NDF: 33.6/17
Right: -787.531+/-632.914 χ²/NDF: 34.7/34
In: -913.934+/-510.576 χ²/NDF:31.6/23
Out: -725.119+/-486.458 χ²/NDF:36.6/28
All: -814.962+/-352.196 χ²/NDF: 68.3/52



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1591.027+/-0.406 χ^2/NDF:252199.9/9

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1651.097+/-0.444 χ^2/NDF:152760.5/7

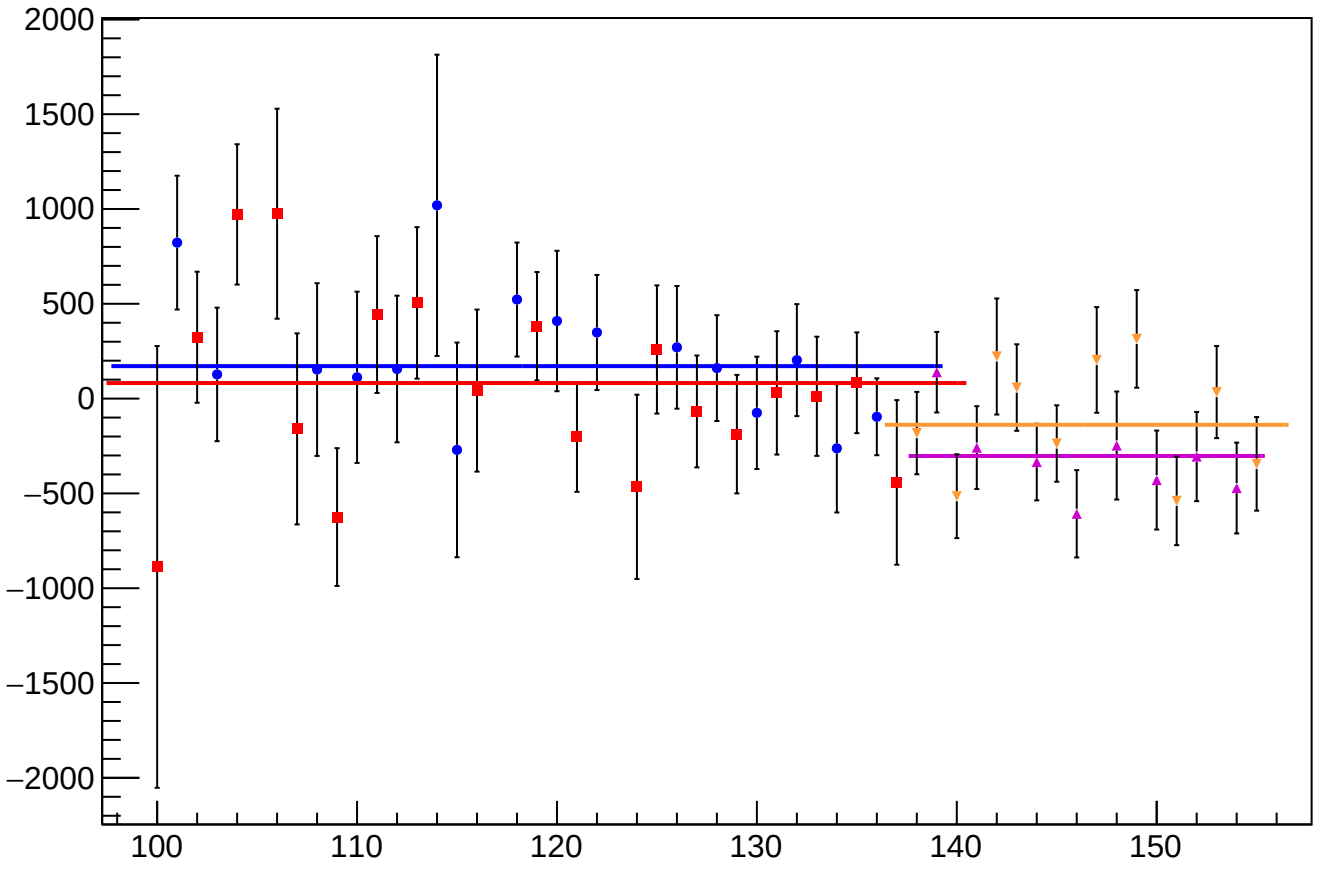
Left: 1618.385+/-0.300 χ^2/NDF: 414921.6/17

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1863.135+/-0.361 χ^2/NDF:1751593.7/23

Out: 1829.802+/-0.344 χ^2/NDF:2265736.9/28

All: 1845.663+/-0.249 χ^2/NDF: 4021798.8/52



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -138.188+/-75.417 χ^2/NDF:14.1/9

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -302.632+/-81.953 χ^2/NDF:6.9/7

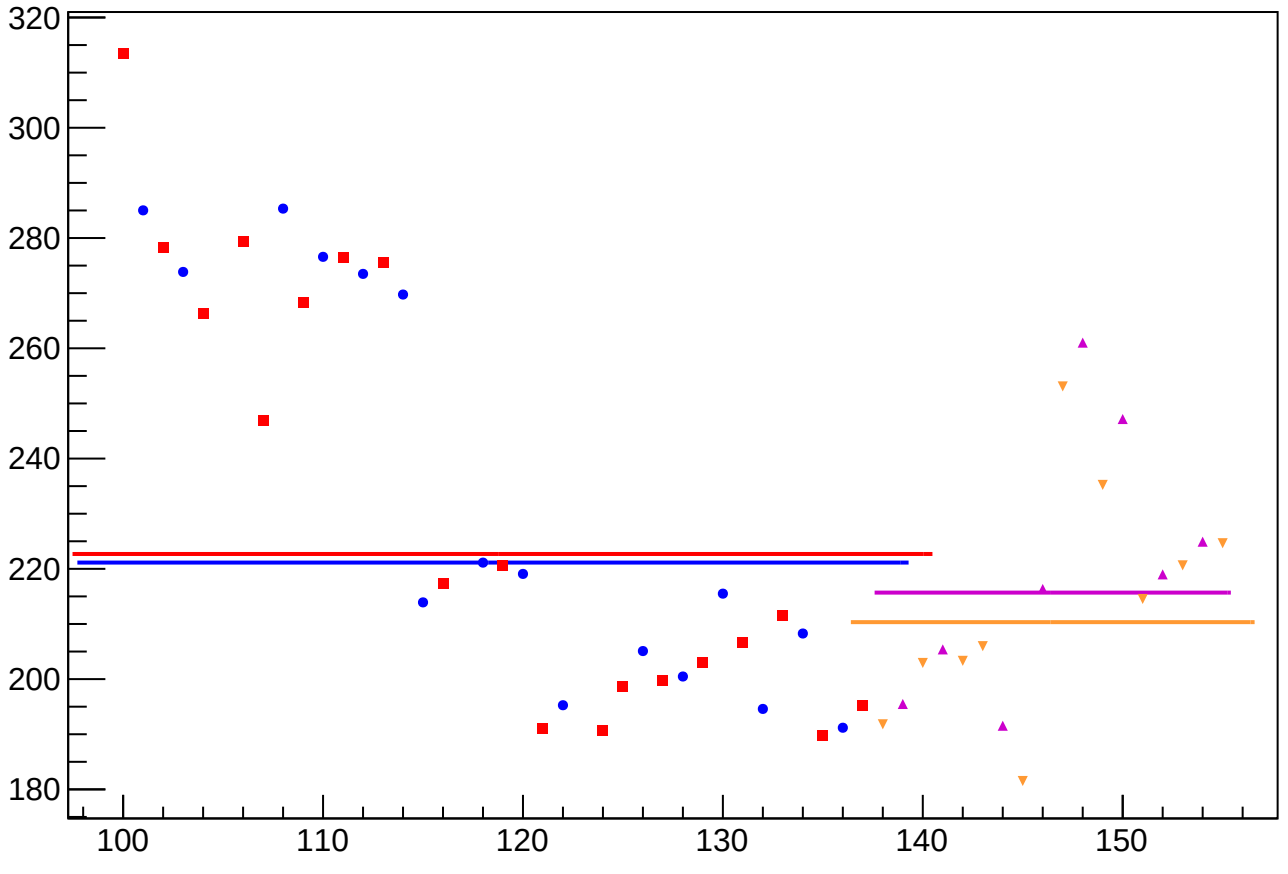
Left: -213.592+/-55.495 χ^2/NDF: 23.2/17

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -69.023+/-58.356 χ^2/NDF:34.9/23

Out: -37.941+/-55.678 χ^2/NDF:39.6/28

All: -52.752+/-40.284 χ^2/NDF: 74.6/52



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 210.333+/-0.053 χ^2/NDF:136227.2/9

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 215.690+/-0.058 χ^2/NDF:134159.9/7

Left: 212.789+/-0.039 χ^2/NDF: 275014.5/17

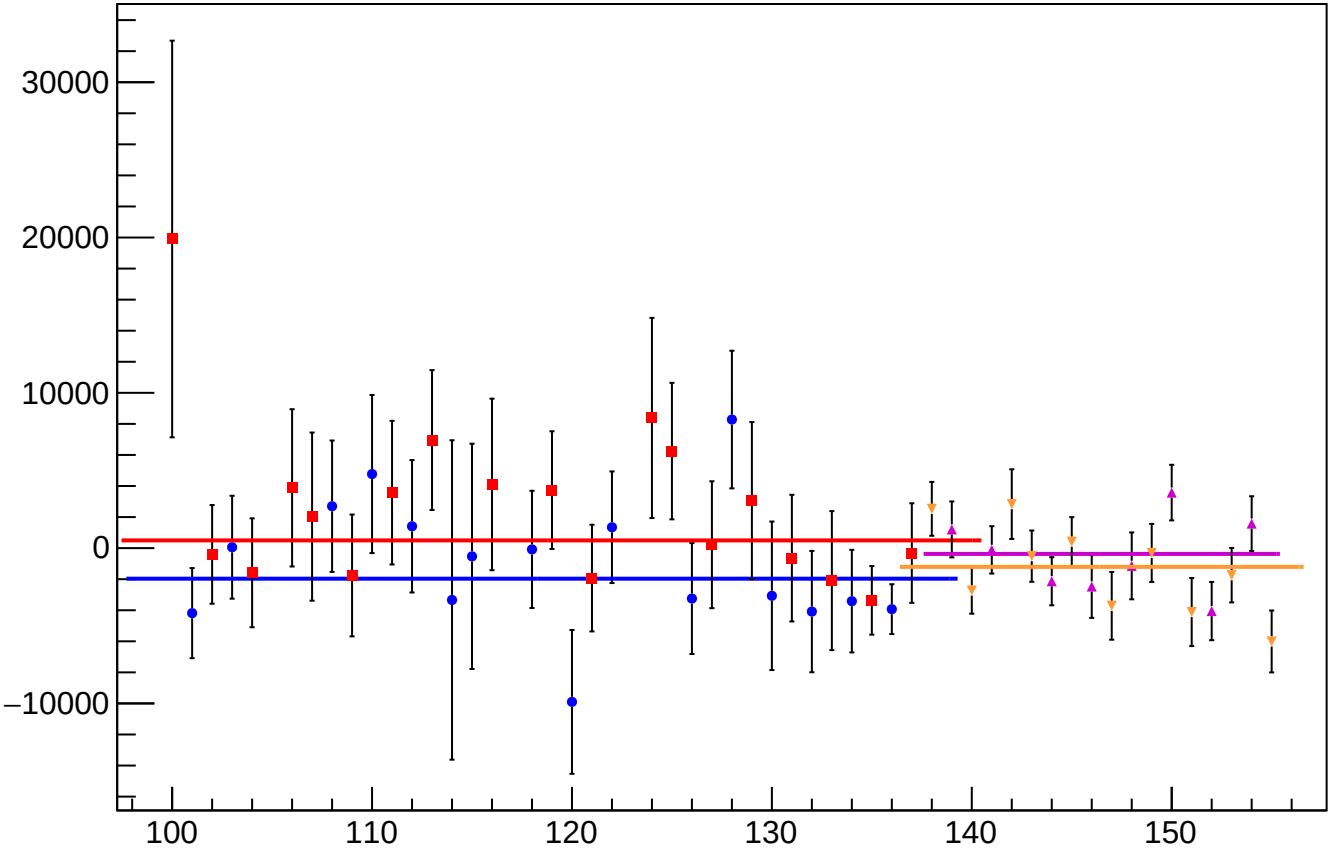
Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 218.375+/-0.041 χ^2/NDF:457213.8/23

Out: 215.958+/-0.039 χ^2/NDF:487707.9/28

All: 217.110+/-0.028 χ^2/NDF: 946718.8/52

asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -1207.124+/-574.414 χ^2/NDF:19.4/9

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: -373.064+/-628.115 χ^2/NDF:13.2/7

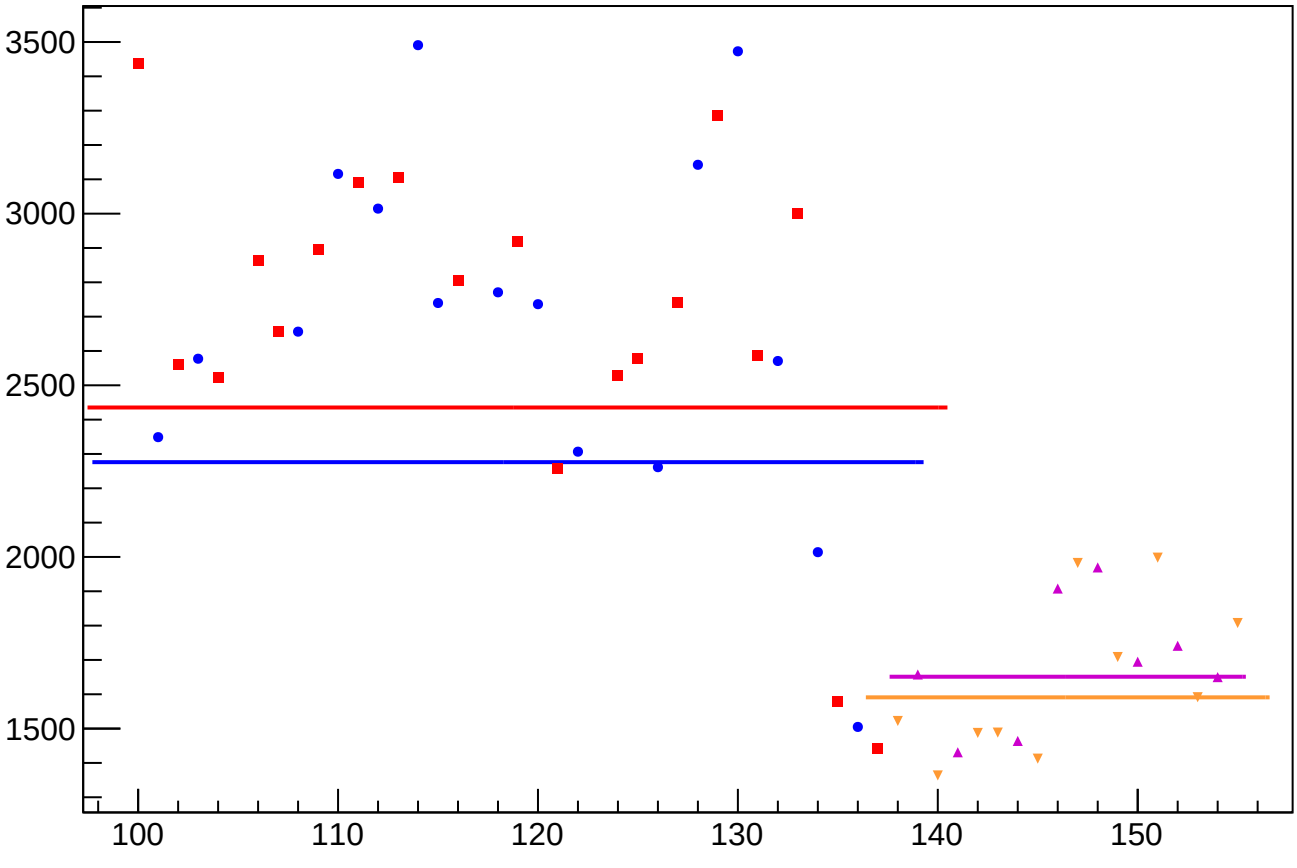
Left: -827.266+/-423.888 χ^2/NDF: 33.6/17

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -913.933+/-510.576 χ^2/NDF:31.6/23

Out: -725.118+/-486.458 χ^2/NDF:36.6/28

All: -814.961+/-352.195 χ^2/NDF: 68.3/52



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1591.027+/-0.406 χ^2/NDF:252202.1/9

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1651.097+/-0.444 χ^2/NDF:152760.3/7

Left: 1618.384+/-0.300 χ^2/NDF: 414923.8/17

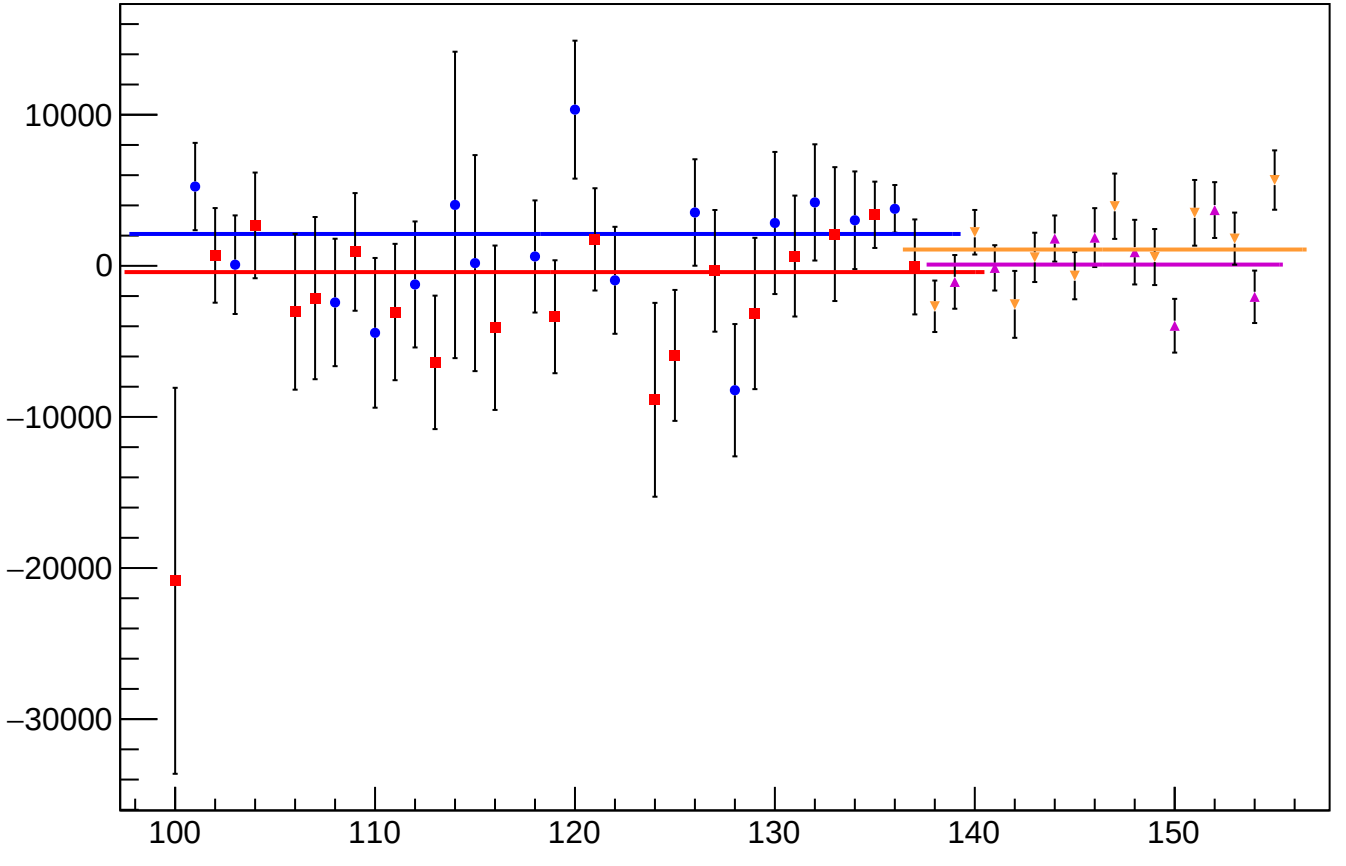
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1863.135+/-0.361 χ^2/NDF:1751580.1/23

Out: 1829.801+/-0.344 χ^2/NDF:2265728.0/28

All: 1845.662+/-0.249 χ^2/NDF: 4021776.3/52

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 1079.660+/-567.430 χ^2/NDF:18.2/9

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: 82.957+/-618.671 χ^2/NDF:13.2/7

Left: 624.287+/-418.177 χ^2/NDF: 32.8/17

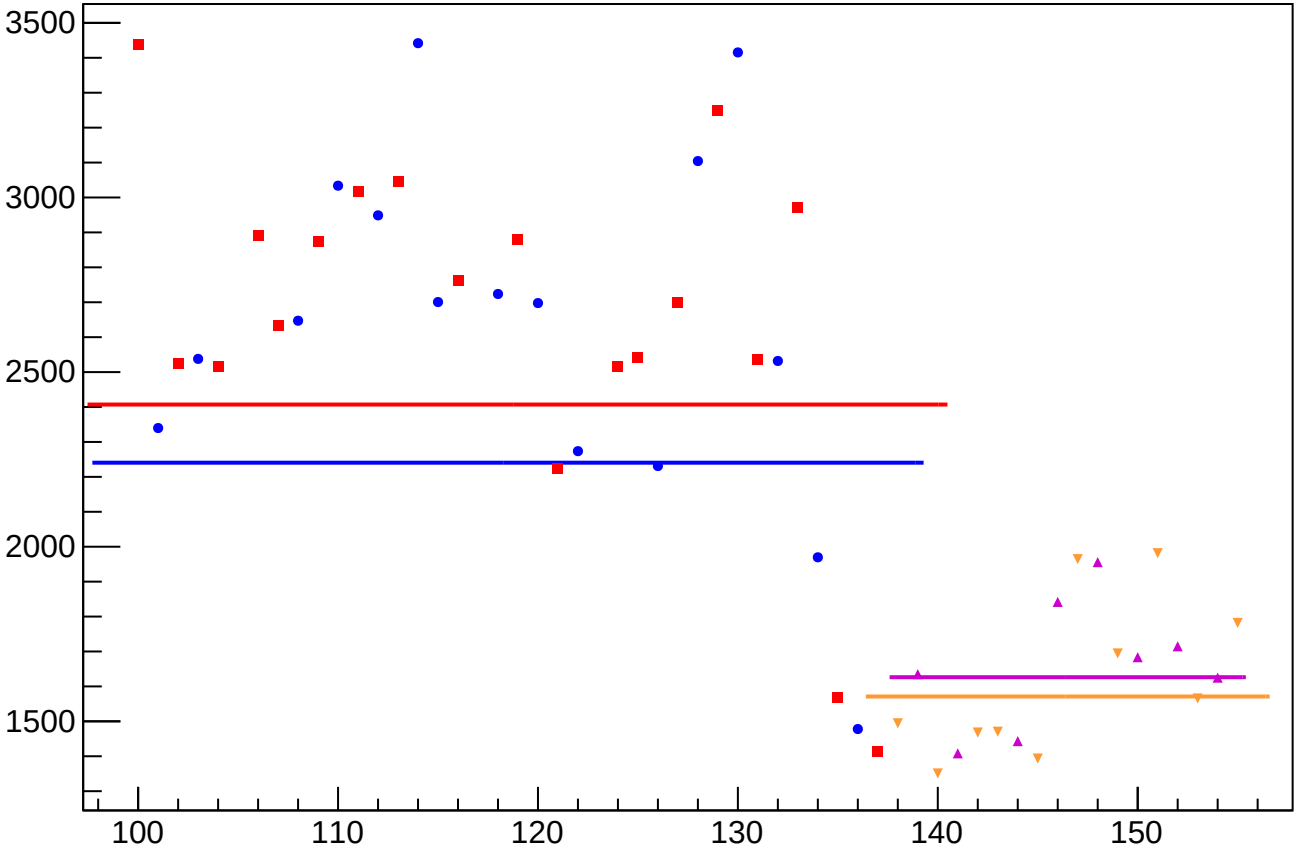
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 770.602+/-502.872 χ^2/NDF:33.5/23

Out: 657.749+/-480.660 χ^2/NDF:34.8/28

All: 711.628+/-347.465 χ^2/NDF: 68.3/52

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1571.111+/-0.401 χ^2/NDF:255841.7/9

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1626.350+/-0.437 χ^2/NDF:149603.1/7

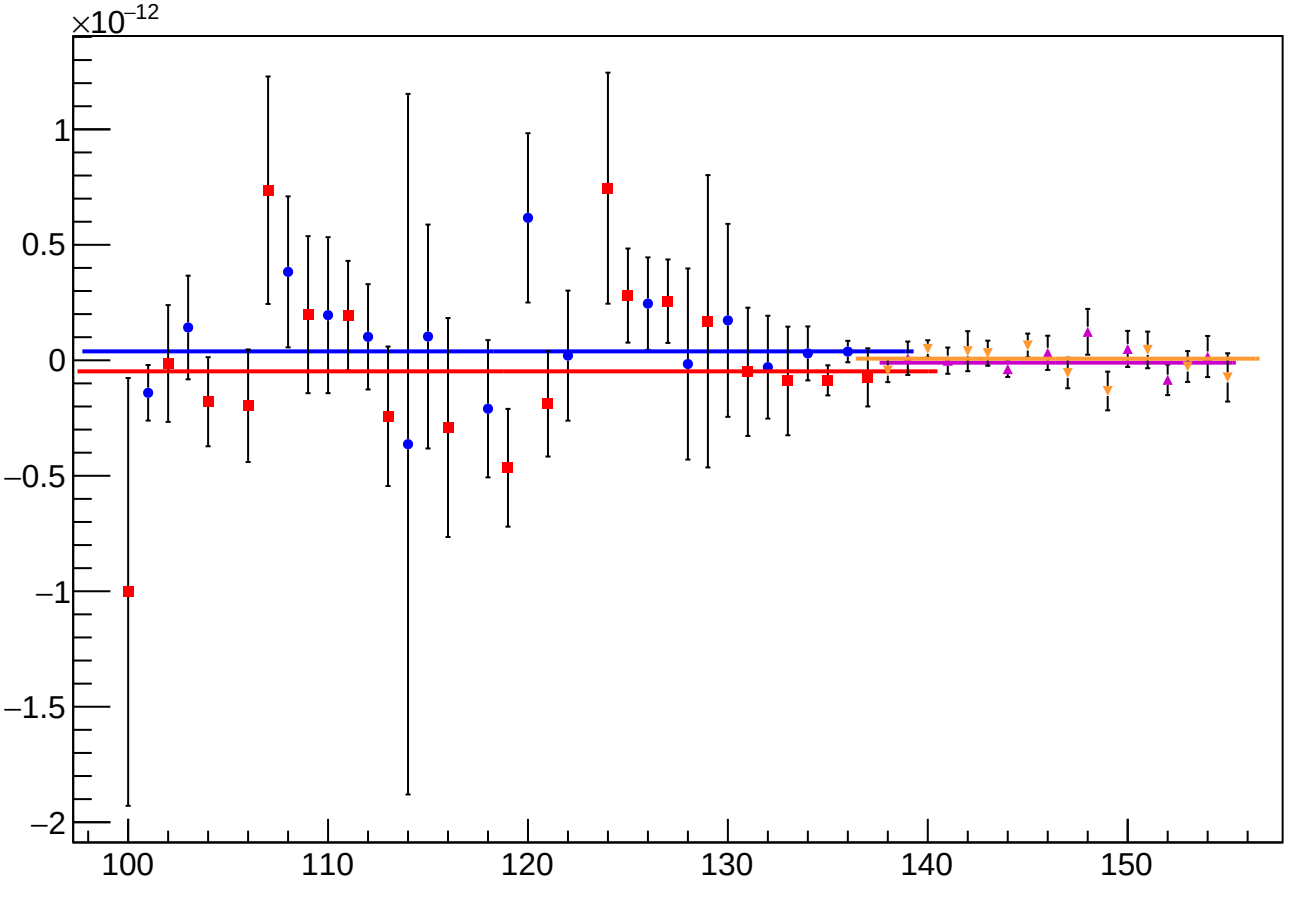
Left: 1596.349+/-0.296 χ^2/NDF: 414104.6/17

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1834.782+/-0.356 χ^2/NDF:1752212.5/23

Out: 1807.243+/-0.340 χ^2/NDF:2271053.9/28

All: 1820.391+/-0.246 χ^2/NDF: 4026400.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.7/9

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/7

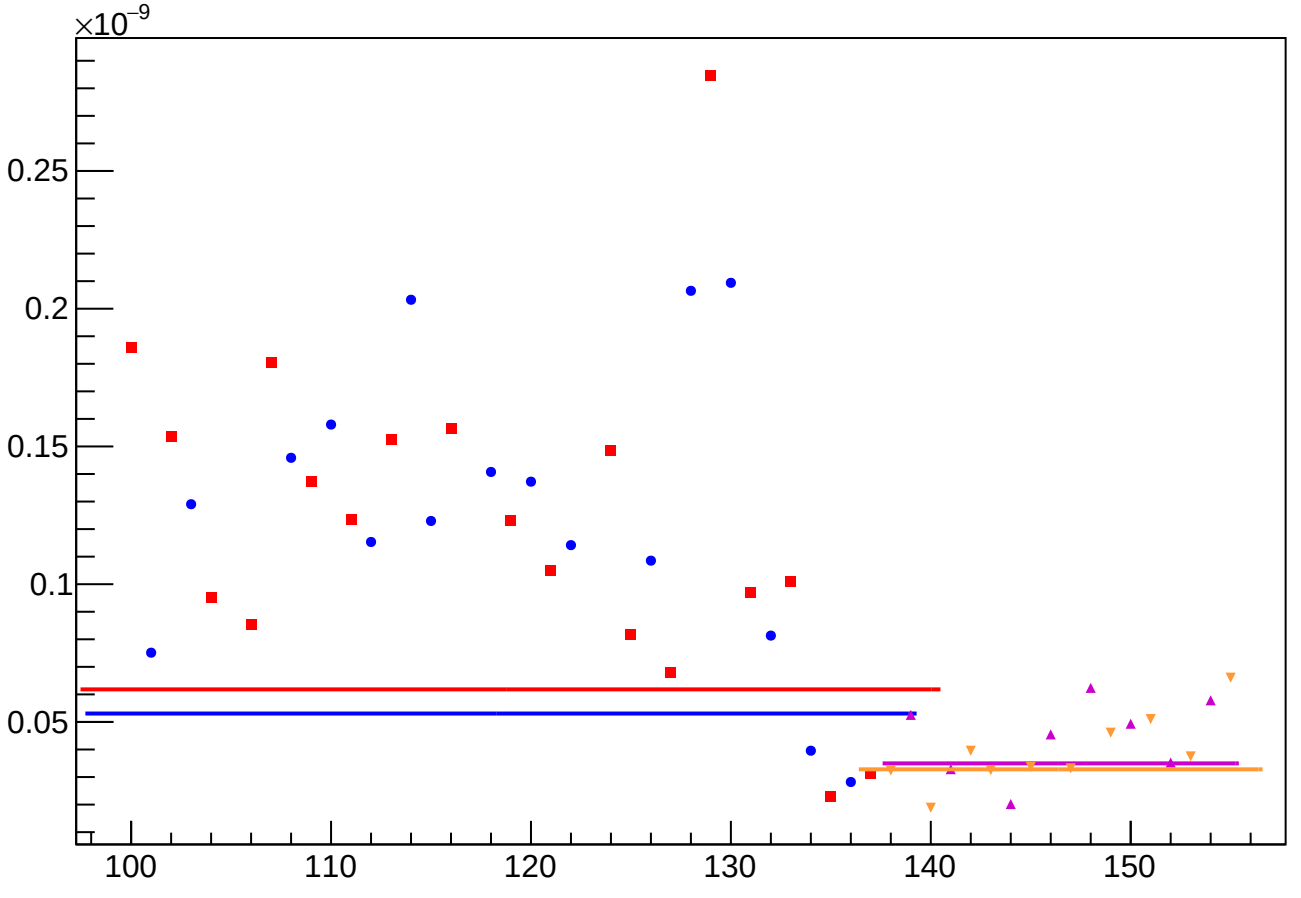
Left: -0.000+/-0.000 χ^2/NDF: 13.9/17

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:14.6/23

Out: -0.000+/-0.000 χ^2/NDF:28.2/28

All: 0.000+/-0.000 χ^2/NDF: 42.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:658098.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:891091.1/7

Left: 0.000+/-0.000 χ^2/NDF: 1560700.1/17

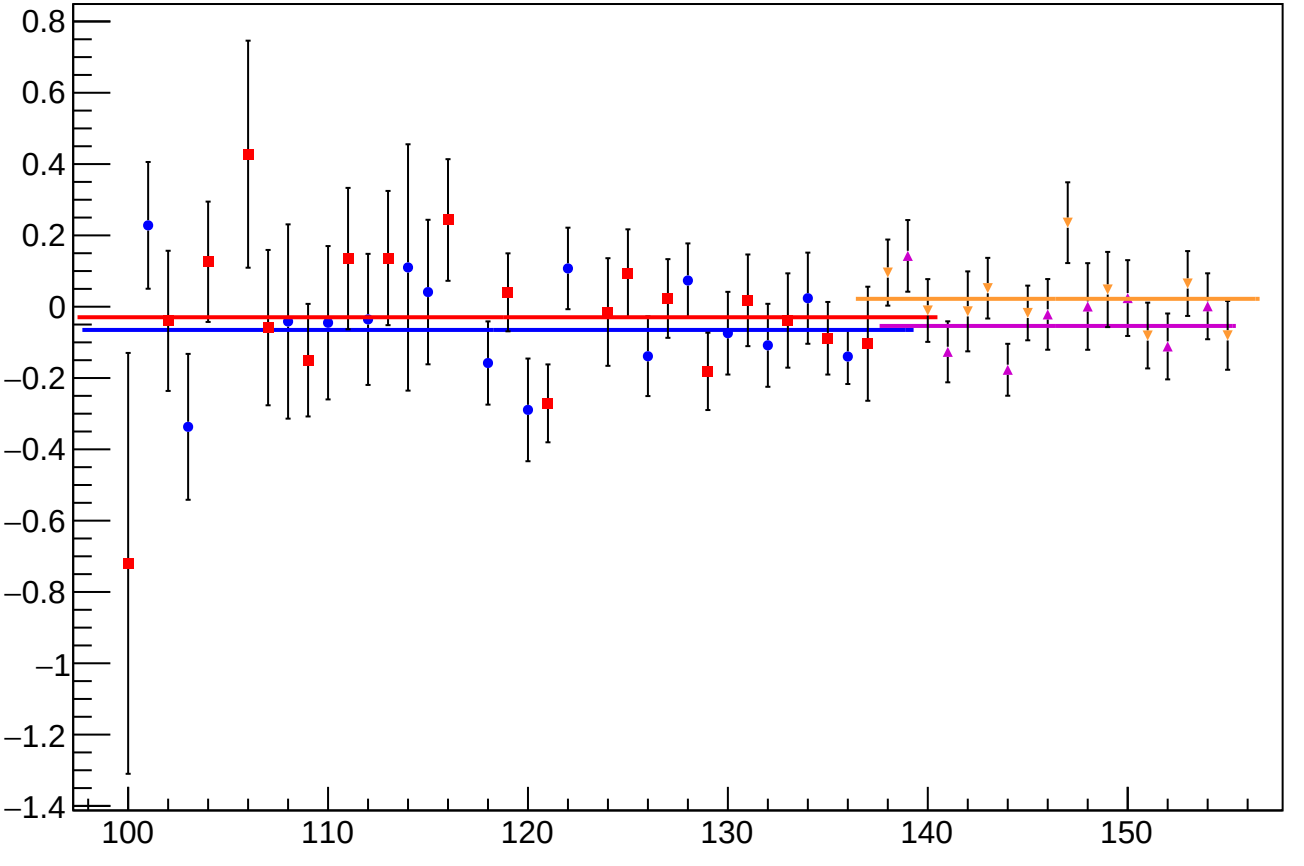
Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:3834711.4/23

Out: 0.000+/-0.000 χ^2/NDF:3828331.0/28

All: 0.000+/-0.000 χ^2/NDF: 7678524.5/52

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.022+/-0.030 χ^2/NDF:7.5/9

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.054+/-0.033 χ^2/NDF:9.0/7

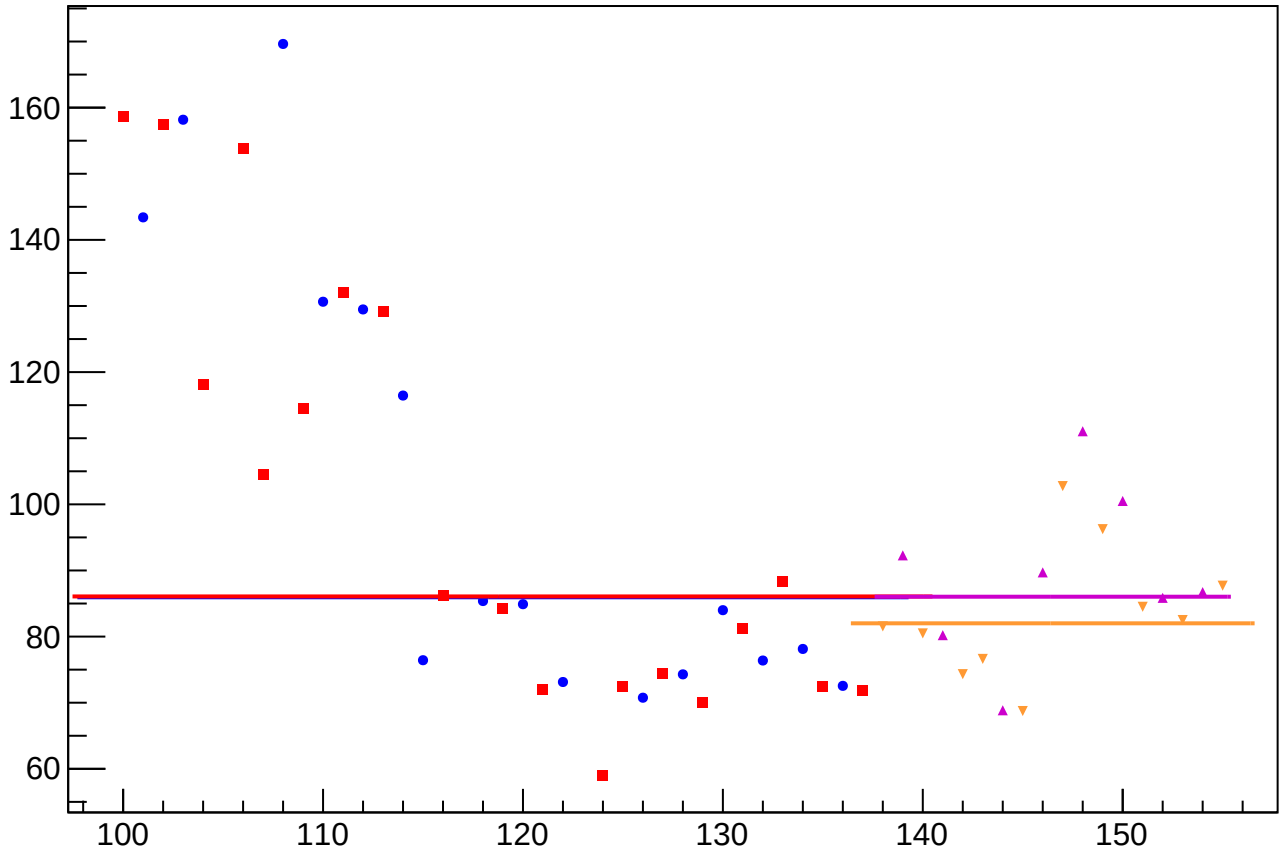
Left: -0.012+/-0.022 χ^2/NDF: 19.4/17

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.059+/-0.023 χ^2/NDF:23.2/23

Out: -0.001+/-0.022 χ^2/NDF:26.9/28

All: -0.028+/-0.016 χ^2/NDF: 53.5/52



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 82.007+/-0.021 χ^2/NDF:190048.9/9

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 86.031+/-0.023 χ^2/NDF:253167.2/7

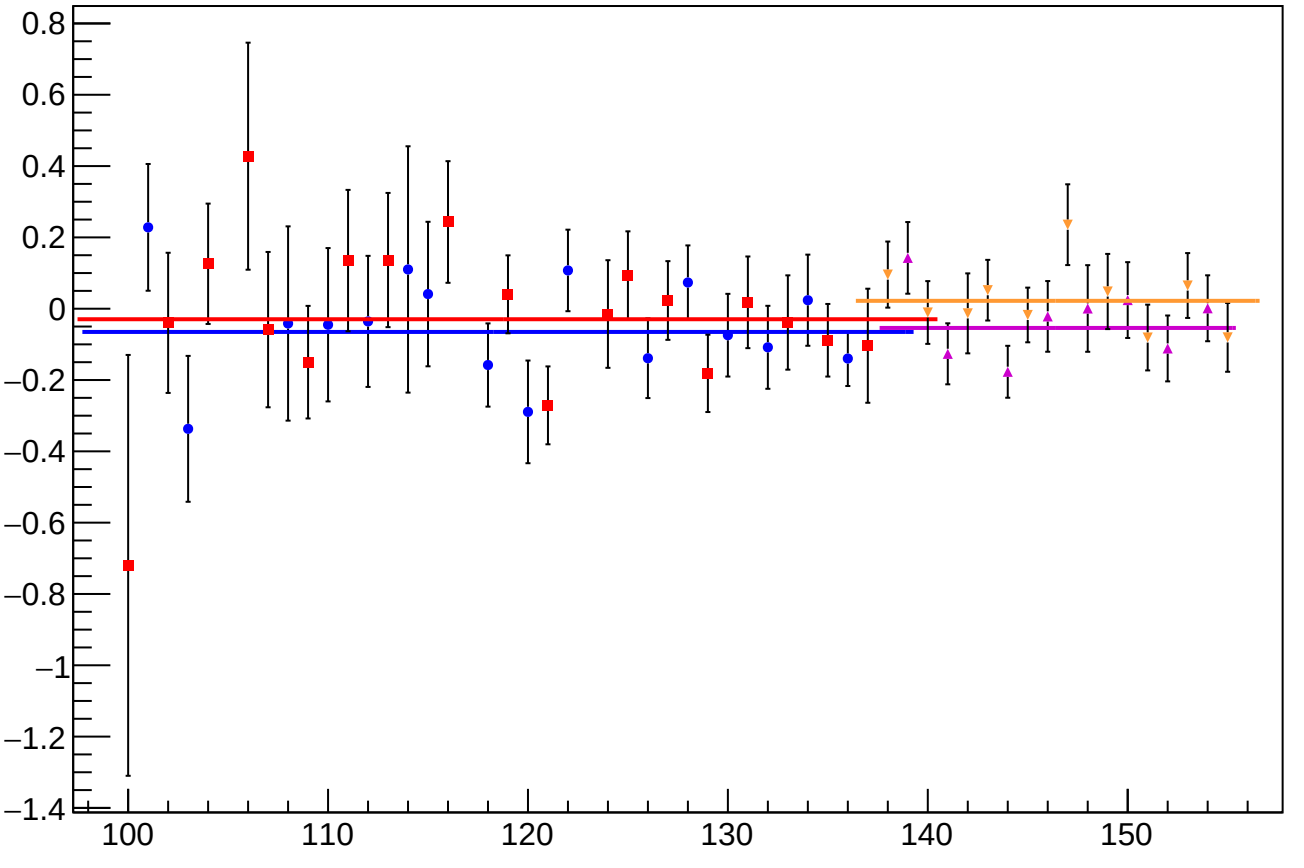
Left: 83.794+/-0.016 χ^2/NDF: 459717.8/17

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.989+/-0.017 χ^2/NDF:1288178.3/23

Out: 83.817+/-0.016 χ^2/NDF:1198306.2/28

All: 84.833+/-0.011 χ^2/NDF: 2495611.2/52



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.022+/-0.030 χ^2/NDF:7.5/9

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.054+/-0.033 χ^2/NDF:9.0/7

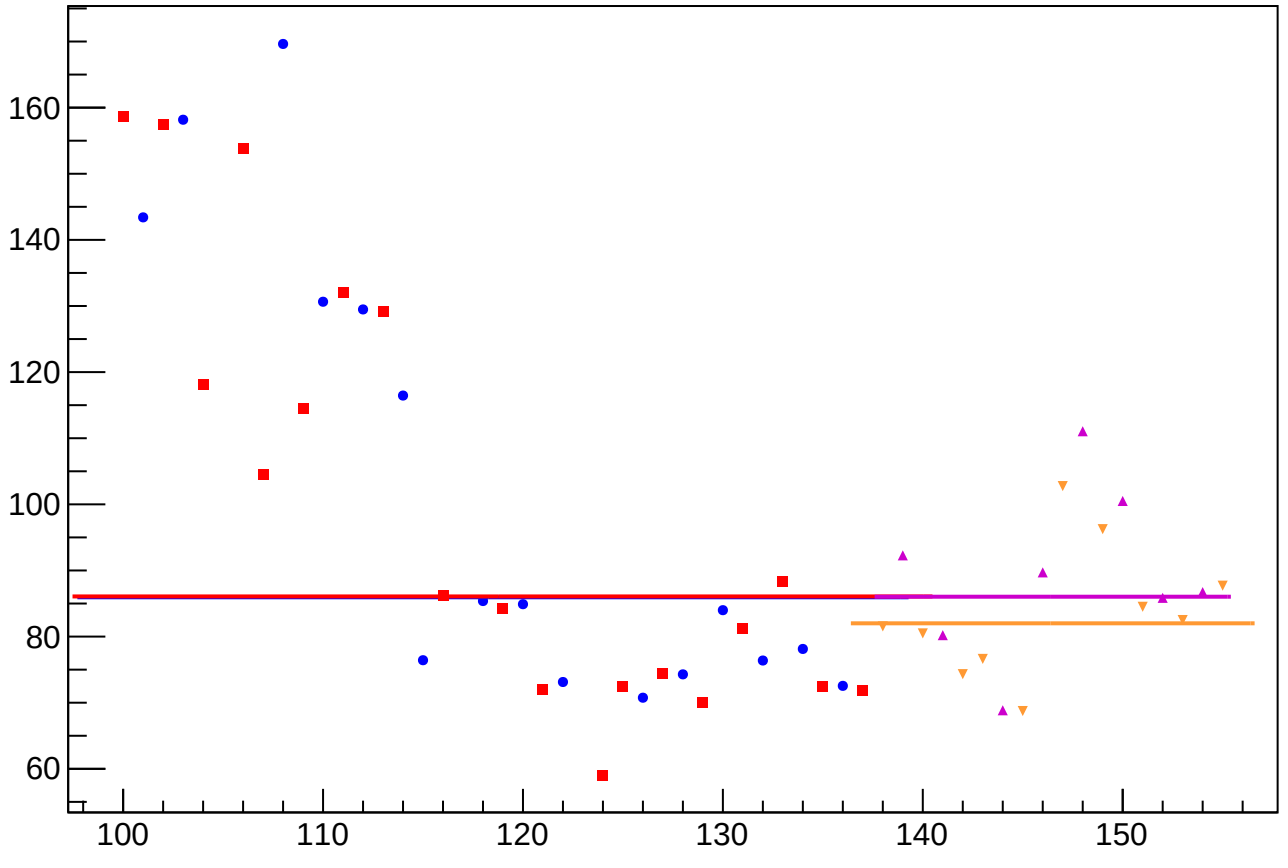
Left: -0.012+/-0.022 χ^2/NDF: 19.4/17

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.059+/-0.023 χ^2/NDF:23.2/23

Out: -0.001+/-0.022 χ^2/NDF:26.9/28

All: -0.028+/-0.016 χ^2/NDF: 53.5/52



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 82.007+/-0.021 χ^2/NDF:190048.9/9

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 86.031+/-0.023 χ^2/NDF:253167.2/7

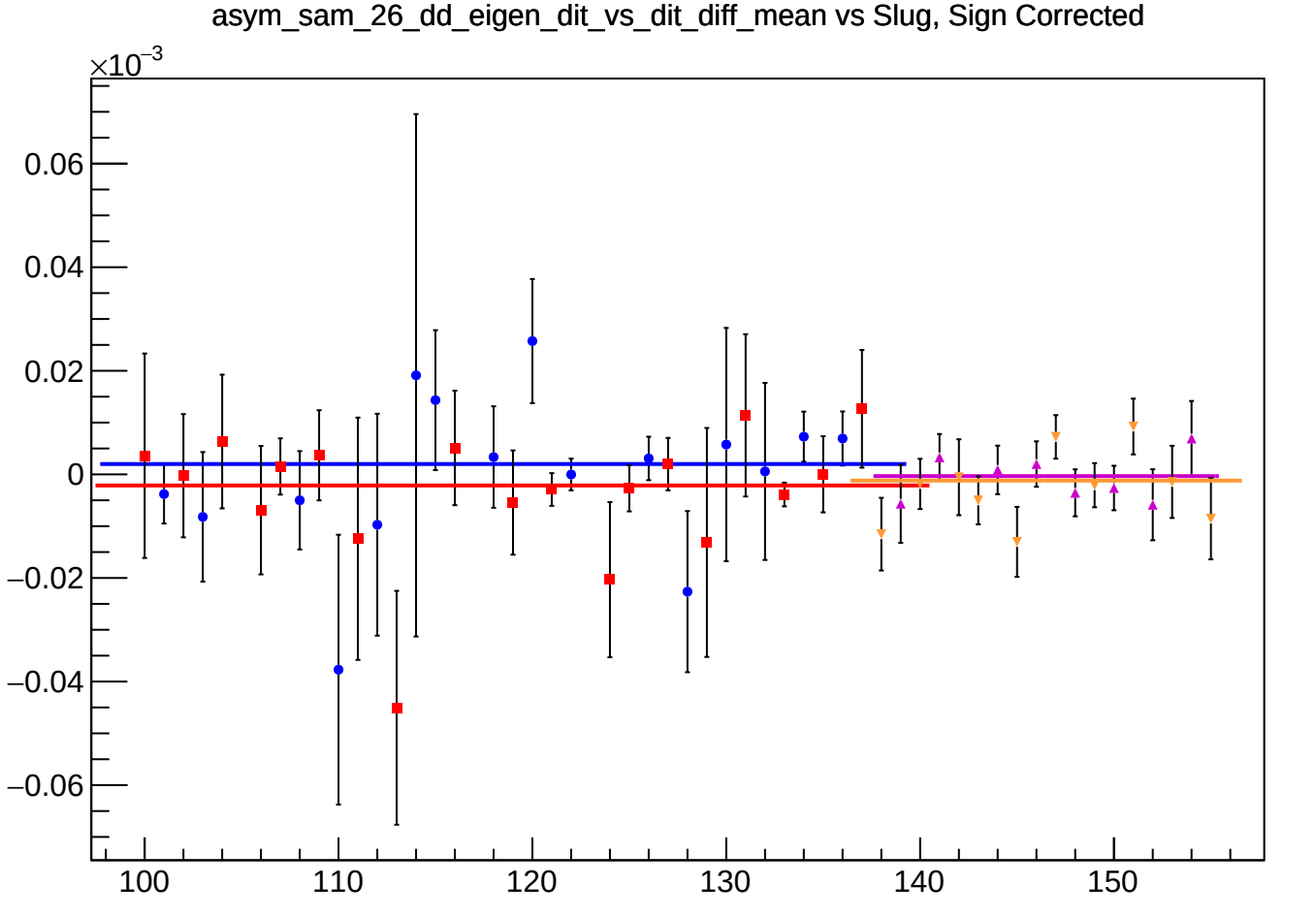
Left: 83.794+/-0.016 χ^2/NDF: 459717.8/17

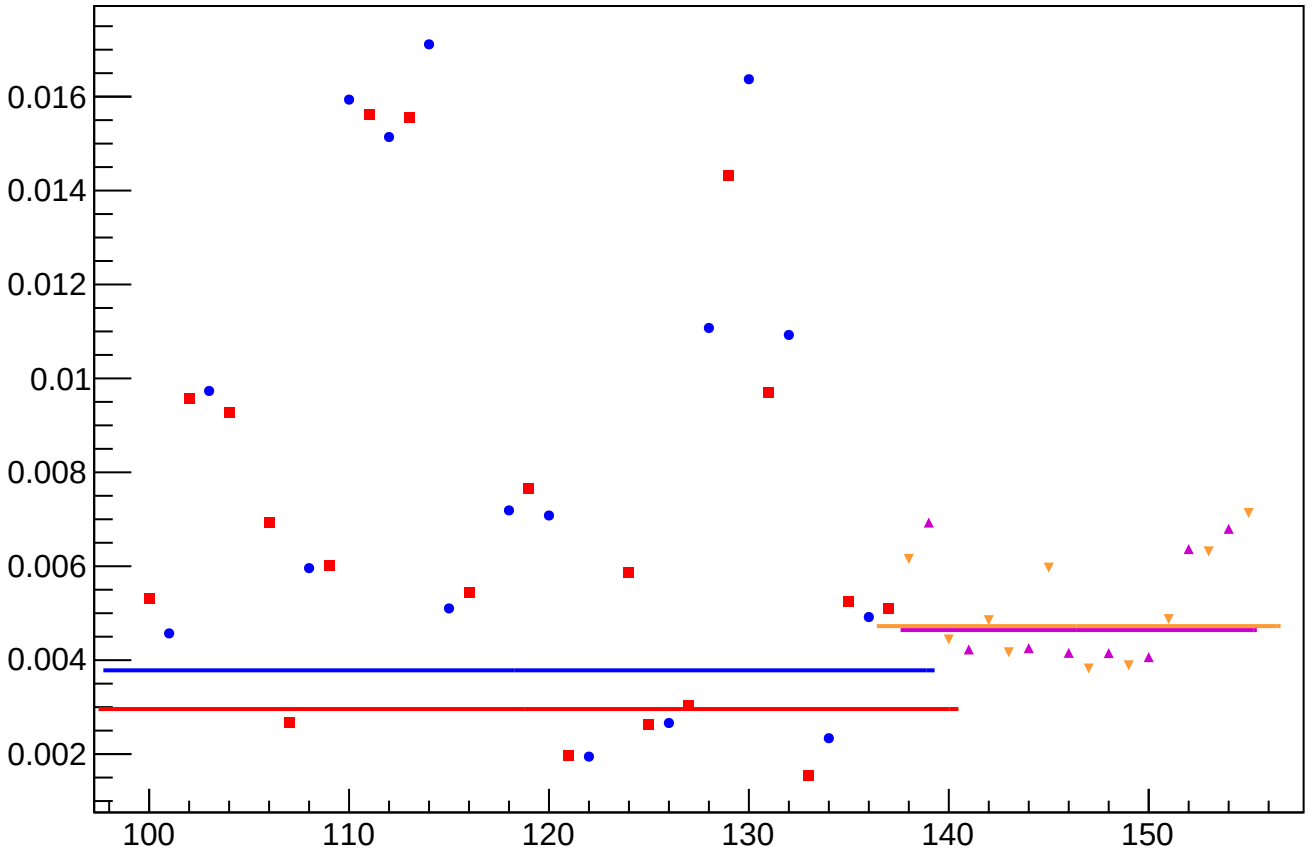
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.989+/-0.017 χ^2/NDF:1288178.3/23

Out: 83.817+/-0.016 χ^2/NDF:1198306.2/28

All: 84.833+/-0.011 χ^2/NDF: 2495611.2/52


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:14.6/9
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:3.9/7
Left: -0.000+/-0.000 χ²/NDF: 18.7/17
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:19.7/23
Out: -0.000+/-0.000 χ²/NDF:26.3/28
All: -0.000+/-0.000 χ²/NDF: 48.6/52



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:650796.3/9

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:601606.2/7

Left: 0.005+/-0.000 χ^2/NDF: 1254669.4/17

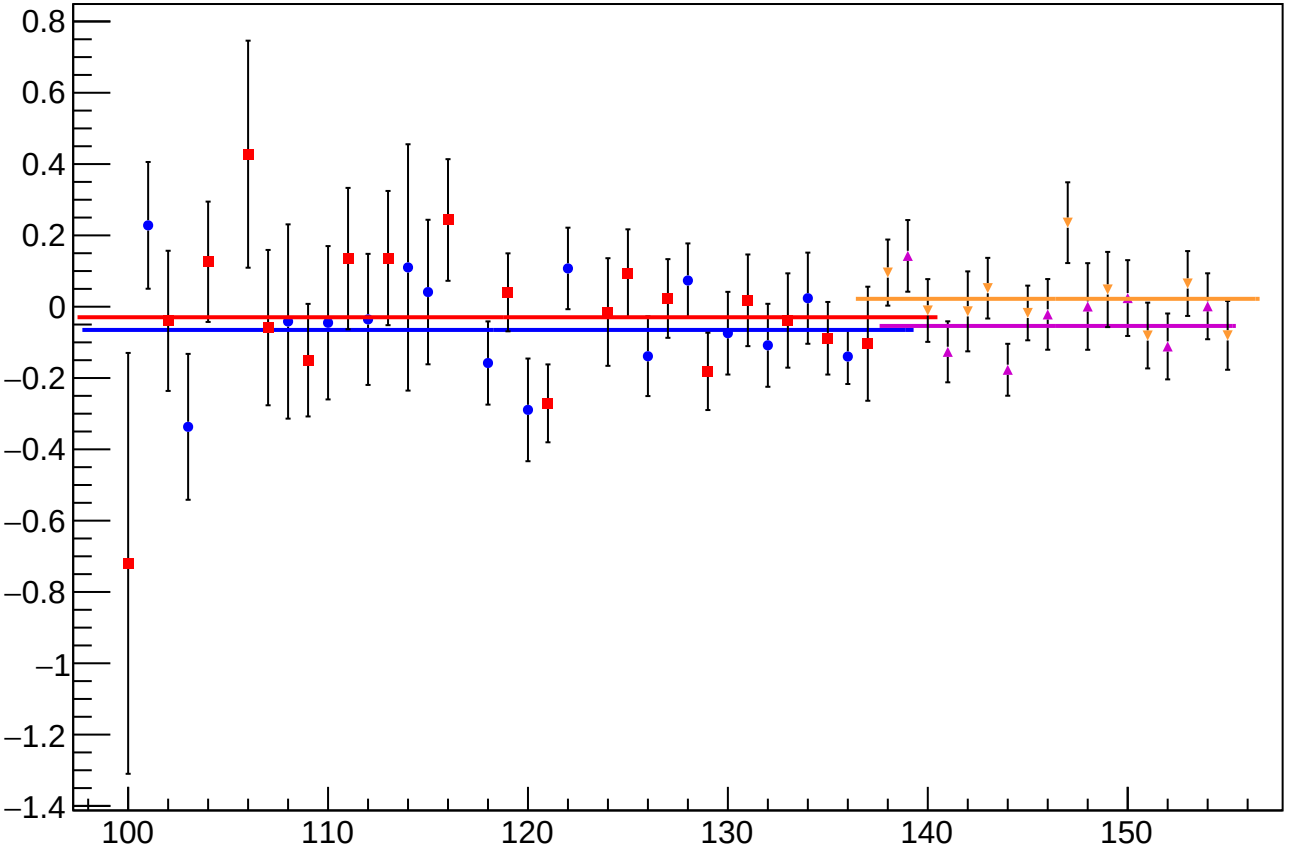
Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:5529305.9/23

Out: 0.004+/-0.000 χ^2/NDF:7454523.8/28

All: 0.004+/-0.000 χ^2/NDF: 13195276.4/52

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.022+/-0.030 χ^2/NDF:7.5/9

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.054+/-0.033 χ^2/NDF:9.0/7

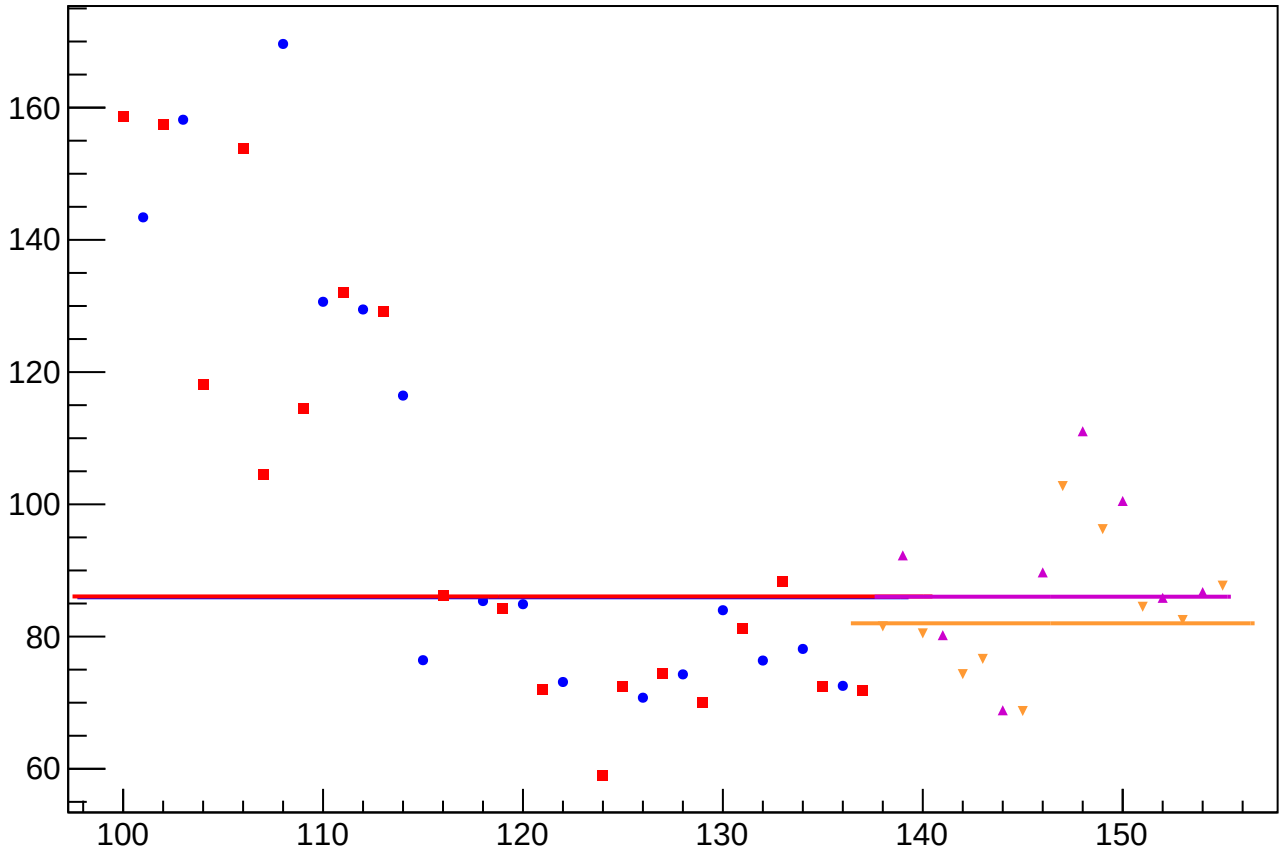
Left: -0.012+/-0.022 χ^2/NDF: 19.4/17

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.059+/-0.023 χ^2/NDF:23.2/23

Out: -0.001+/-0.022 χ^2/NDF:26.9/28

All: -0.028+/-0.016 χ^2/NDF: 53.5/52



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 82.006+/-0.021 χ^2/NDF:190075.8/9

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 86.031+/-0.023 χ^2/NDF:253170.2/7

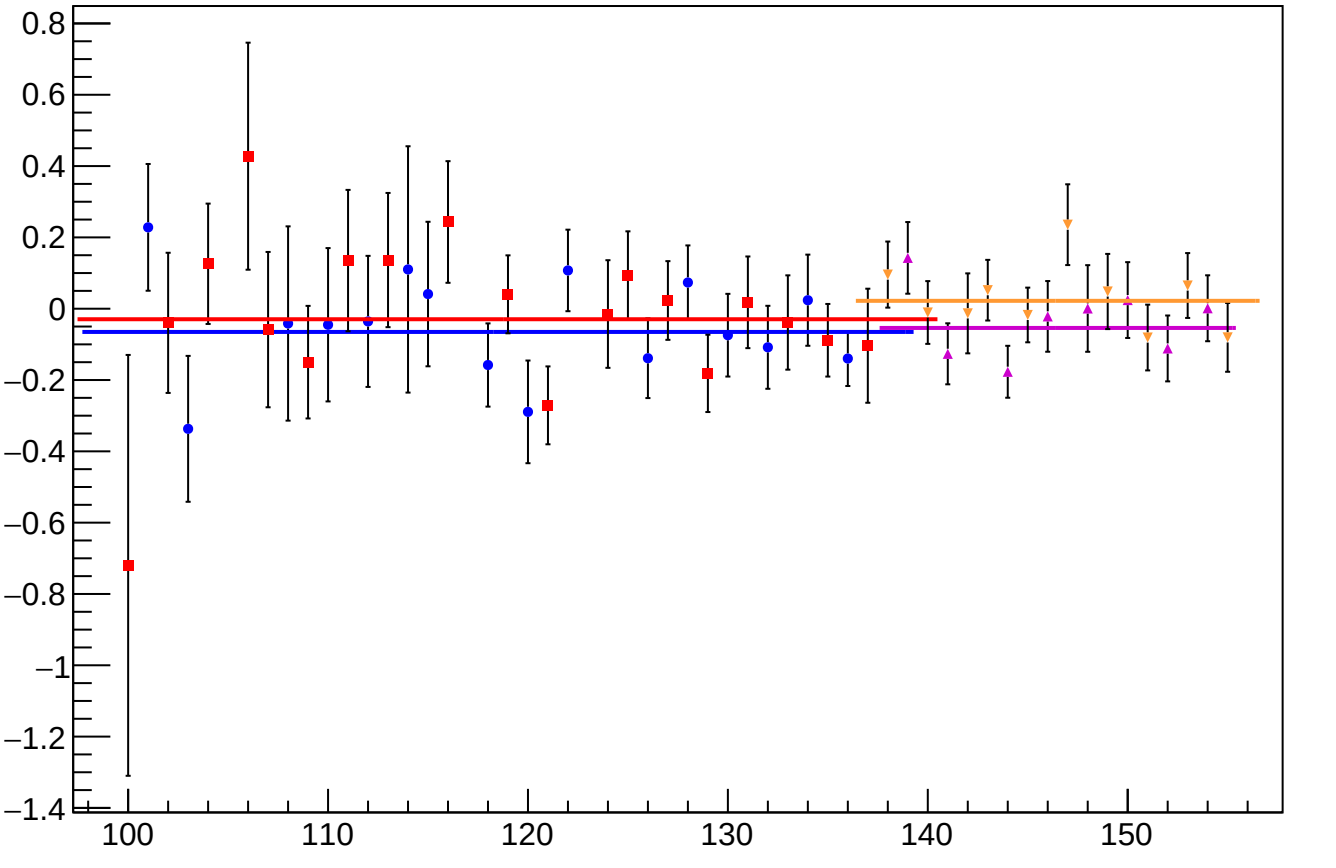
Left: 83.793+/-0.016 χ^2/NDF: 459749.0/17

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.987+/-0.017 χ^2/NDF:1288163.8/23

Out: 83.815+/-0.016 χ^2/NDF:1198313.3/28

All: 84.831+/-0.011 χ^2/NDF: 2495602.1/52



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.022+/-0.030 χ^2/NDF:7.5/9

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.054+/-0.033 χ^2/NDF:9.0/7

Left: -0.012+/-0.022 χ^2/NDF: 19.4/17

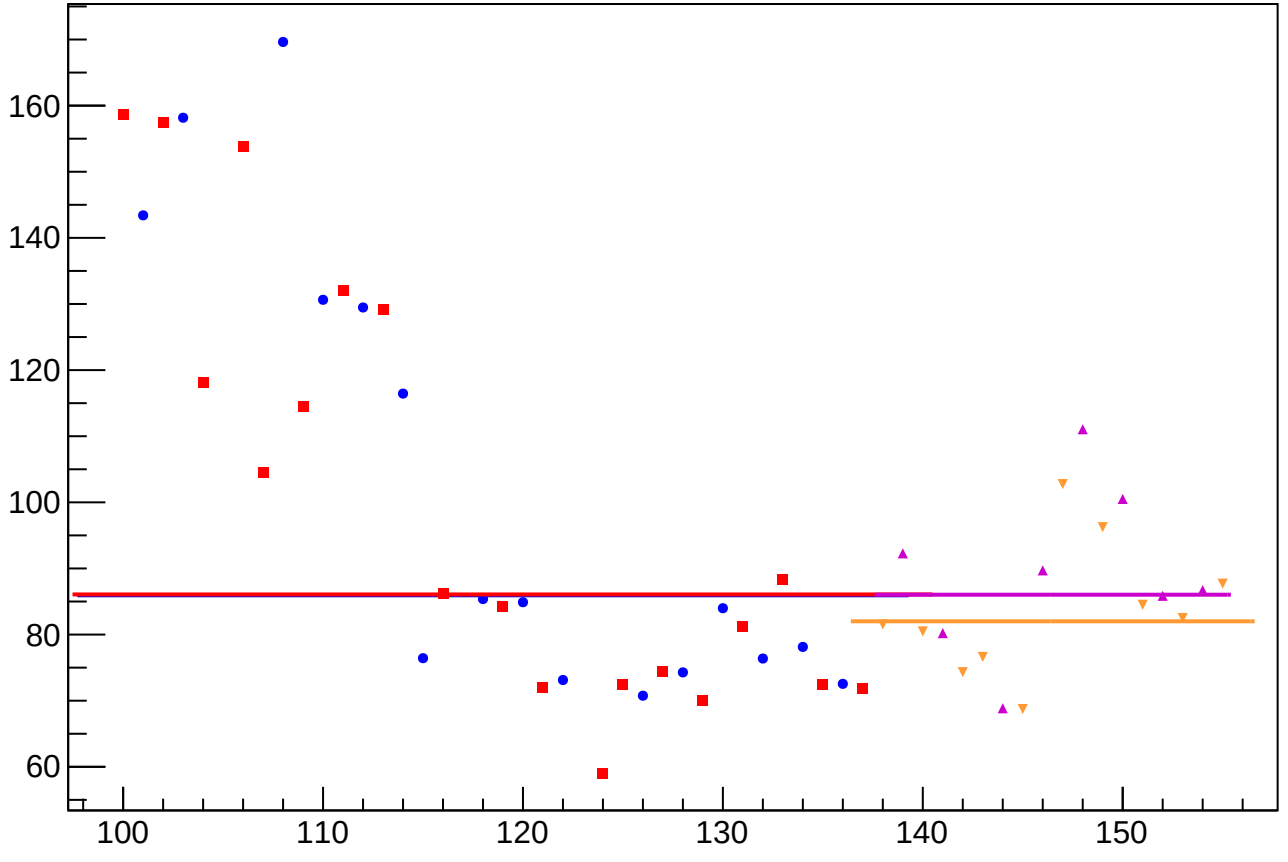
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.059+/-0.023 χ^2/NDF:23.2/23

Out: -0.001+/-0.022 χ^2/NDF:26.9/28

All: -0.028+/-0.016 χ^2/NDF: 53.5/52

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: 82.006+/-0.021 χ^2/NDF:190075.8/9

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 86.031+/-0.023 χ^2/NDF:253170.2/7

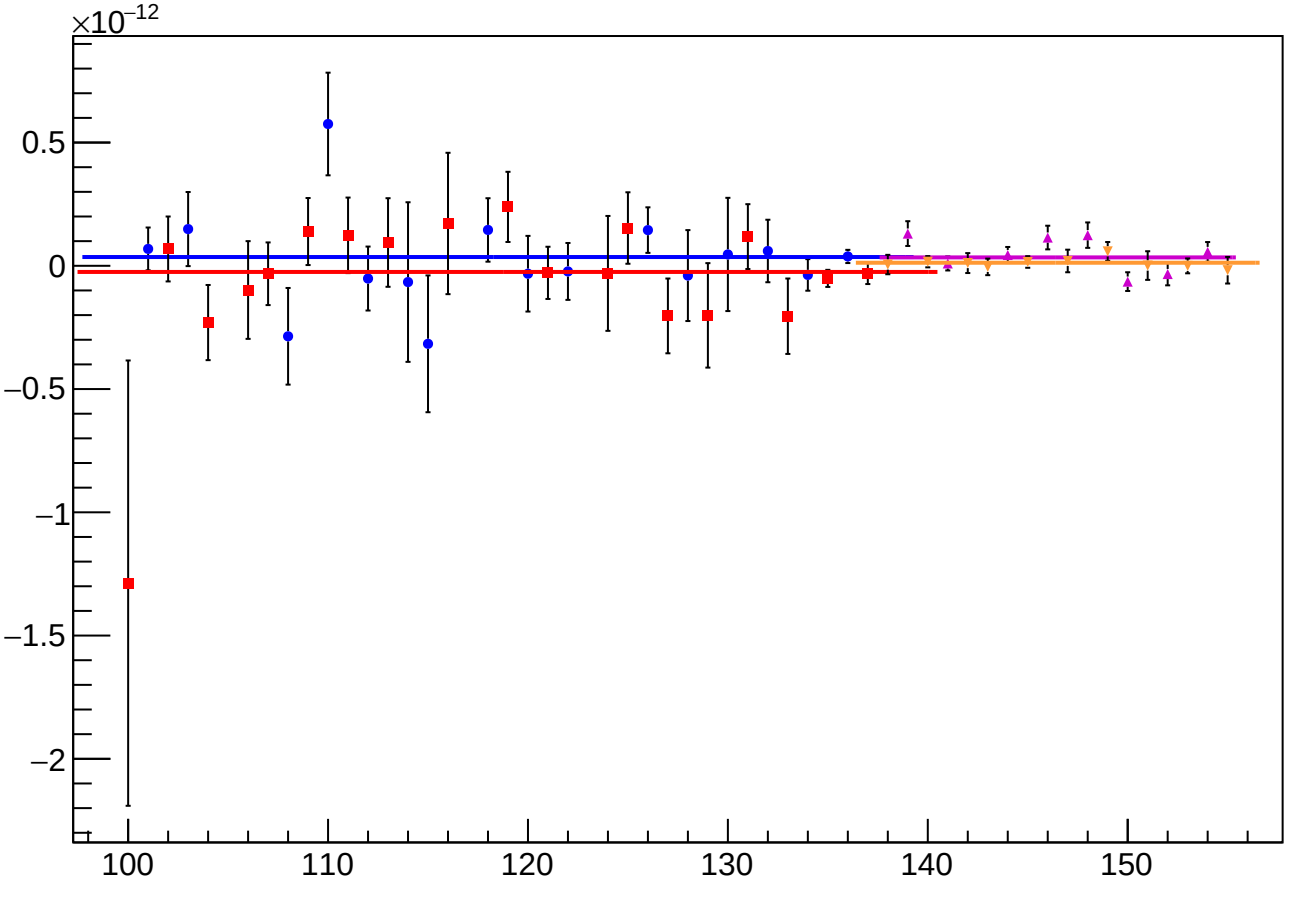
Left: 83.793+/-0.016 χ^2/NDF: 459749.0/17

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.987+/-0.017 χ^2/NDF:1288163.8/23

Out: 83.815+/-0.016 χ^2/NDF:1198313.3/28

All: 84.831+/-0.011 χ^2/NDF: 2495602.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:19.6/7

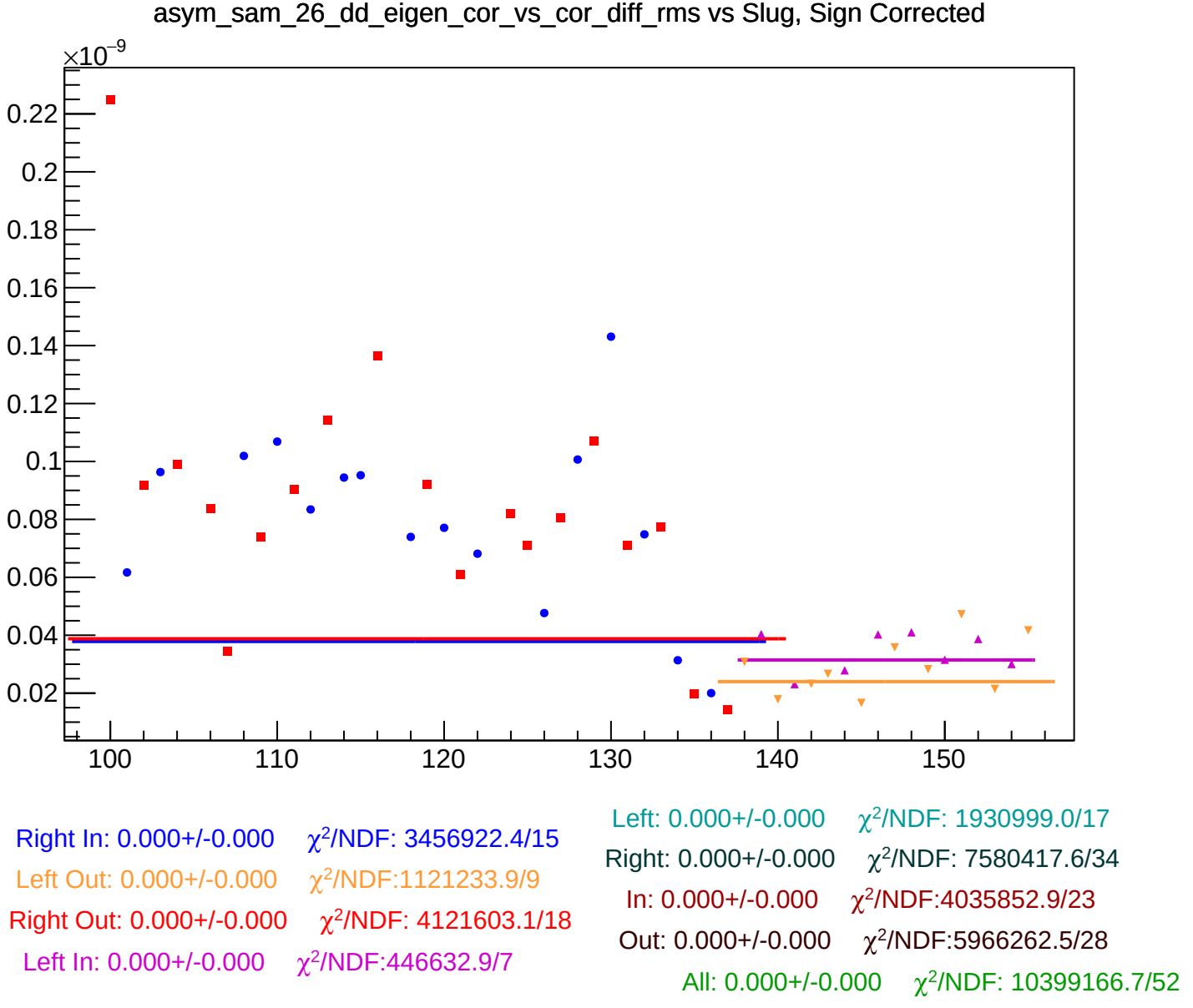
Left: 0.000+/-0.000 χ^2/NDF: 23.4/17

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

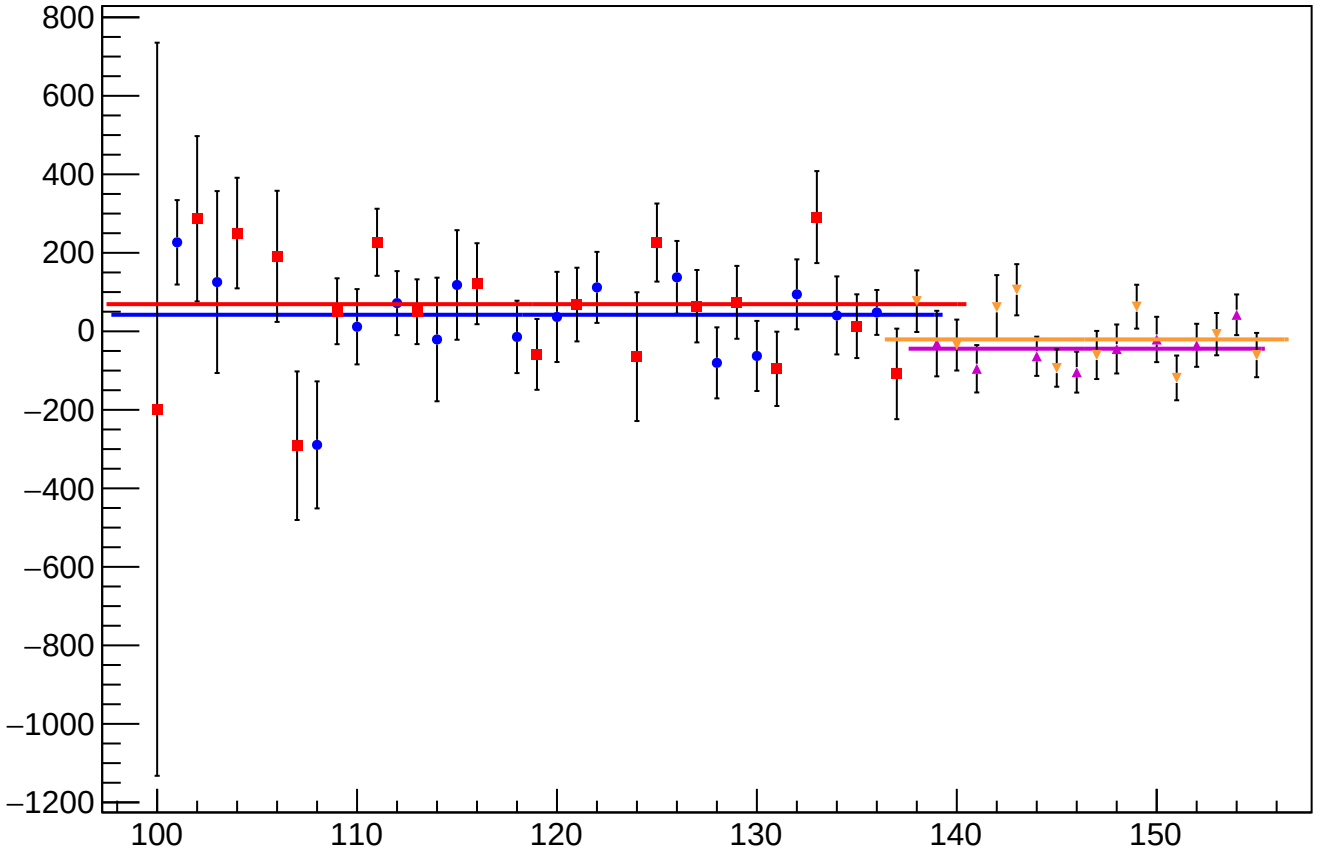
In: 0.000+/-0.000 χ^2/NDF:35.9/23

Out: 0.000+/-0.000 χ^2/NDF:22.5/28

All: 0.000+/-0.000 χ^2/NDF: 62.2/52


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1121233.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:446632.9/7
Left: 0.000+/-0.000 χ²/NDF: 1930999.0/17
Right: 0.000+/-0.000 χ²/NDF: 7580417.6/34
In: 0.000+/-0.000 χ²/NDF:4035852.9/23
Out: 0.000+/-0.000 χ²/NDF:5966262.5/28
All: 0.000+/-0.000 χ²/NDF: 10399166.7/52

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -20.495+/-18.972 χ^2/NDF:14.9/9

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -44.244+/-20.206 χ^2/NDF:5.2/7

Left: -31.622+/-13.831 χ^2/NDF: 20.8/17

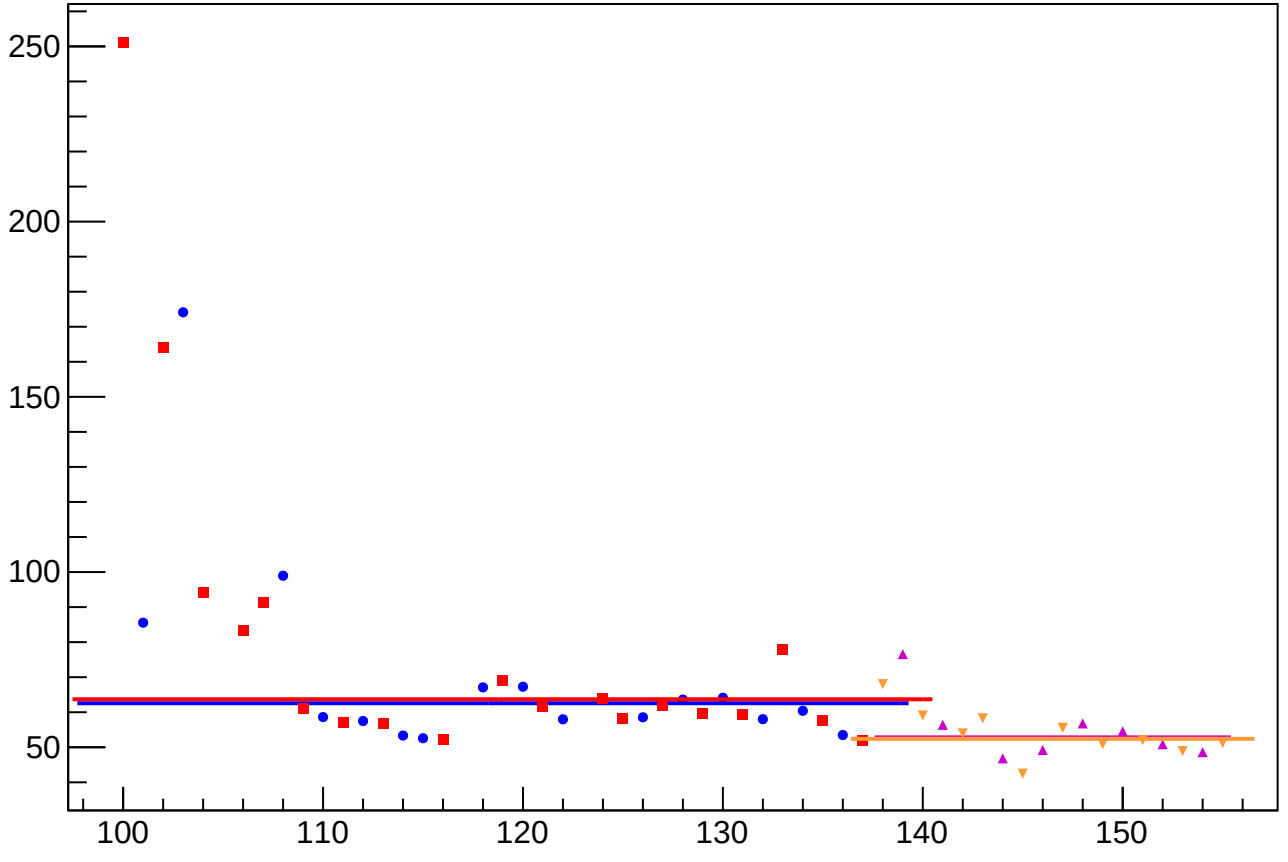
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -8.738+/-15.512 χ^2/NDF:26.2/23

Out: 13.288+/-14.982 χ^2/NDF:48.7/28

All: 2.658+/-10.776 χ^2/NDF: 76.0/52

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 52.411+/-0.013 χ^2/NDF:220542.6/9

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 52.824+/-0.014 χ^2/NDF:233178.9/7

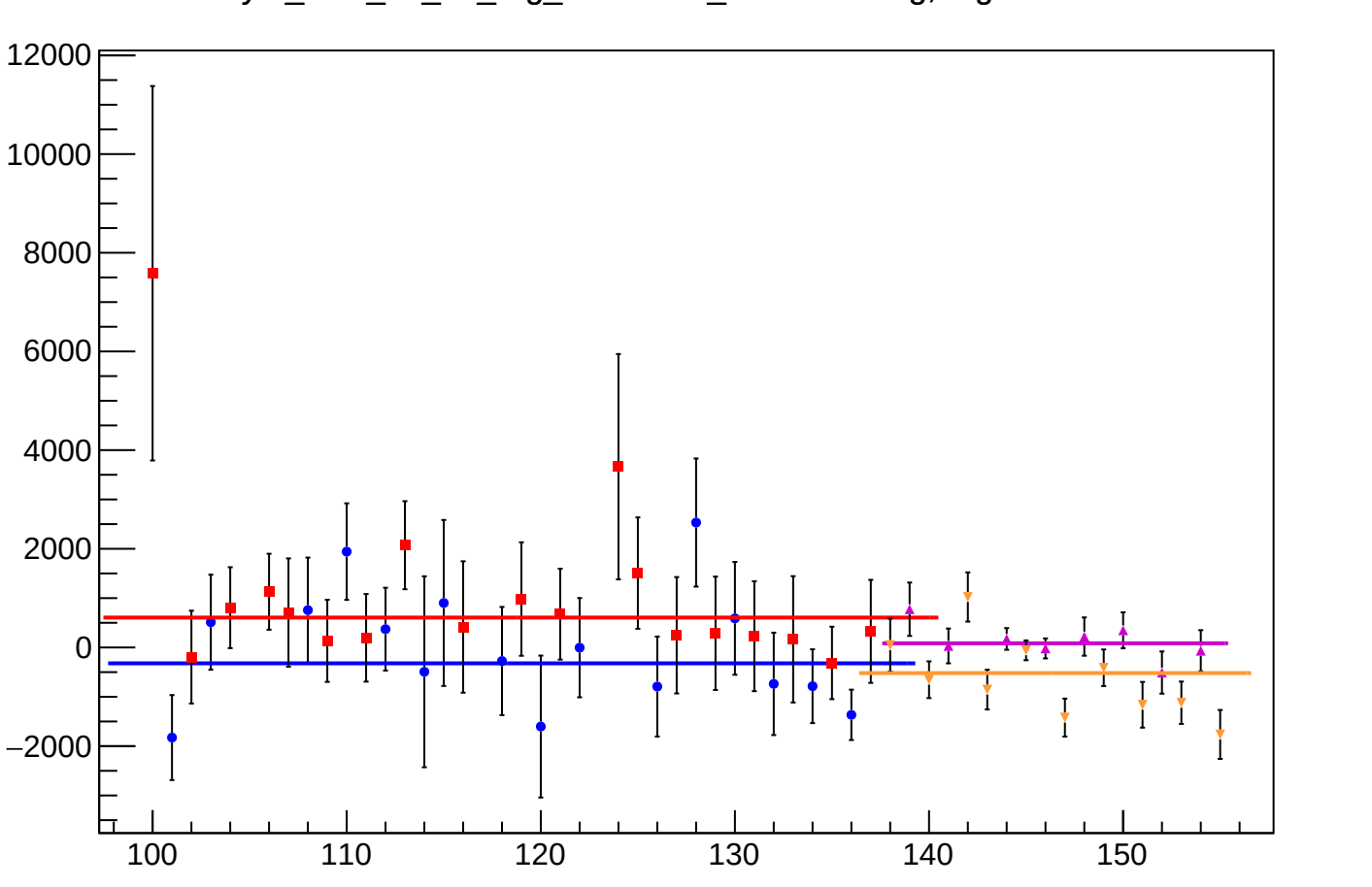
Left: 52.605+/-0.010 χ^2/NDF: 454163.8/17

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 56.824+/-0.011 χ^2/NDF:1182687.2/23

Out: 56.661+/-0.011 χ^2/NDF:1321227.8/28

All: 56.739+/-0.008 χ^2/NDF: 2504030.0/52



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -519.311+/-116.267 χ^2/NDF:32.6/9

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 84.503+/-110.468 χ^2/NDF:4.8/7

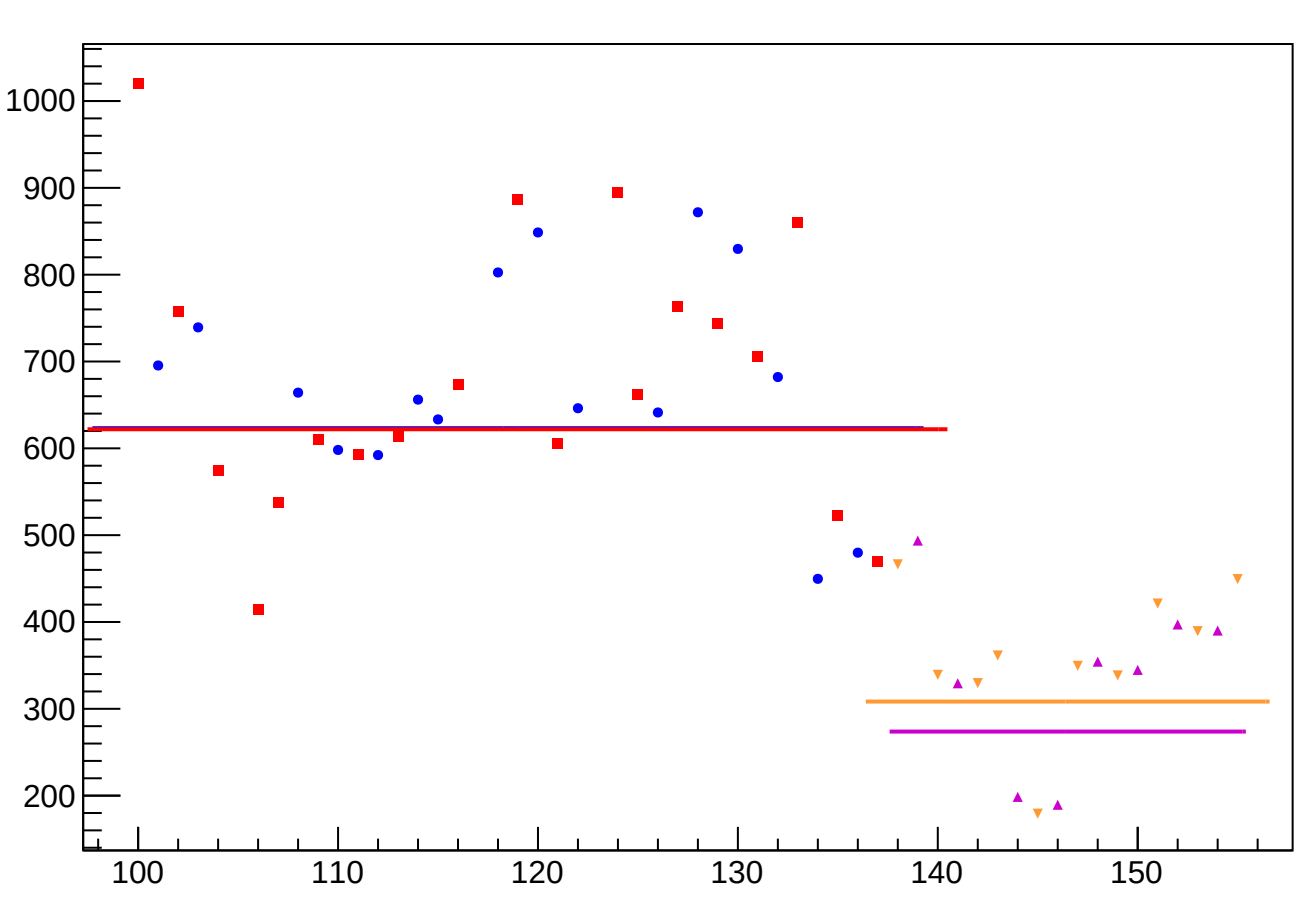
Left: -201.972+/-80.084 χ^2/NDF: 51.5/17

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 12.749+/-100.237 χ^2/NDF:29.9/23

Out: -295.986+/-104.091 χ^2/NDF:63.6/28

All: -135.796+/-72.202 χ^2/NDF: 98.1/52



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 308.373+/-0.082 χ^2/NDF:1444089.3/9

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 273.785+/-0.078 χ^2/NDF:1445614.1/7

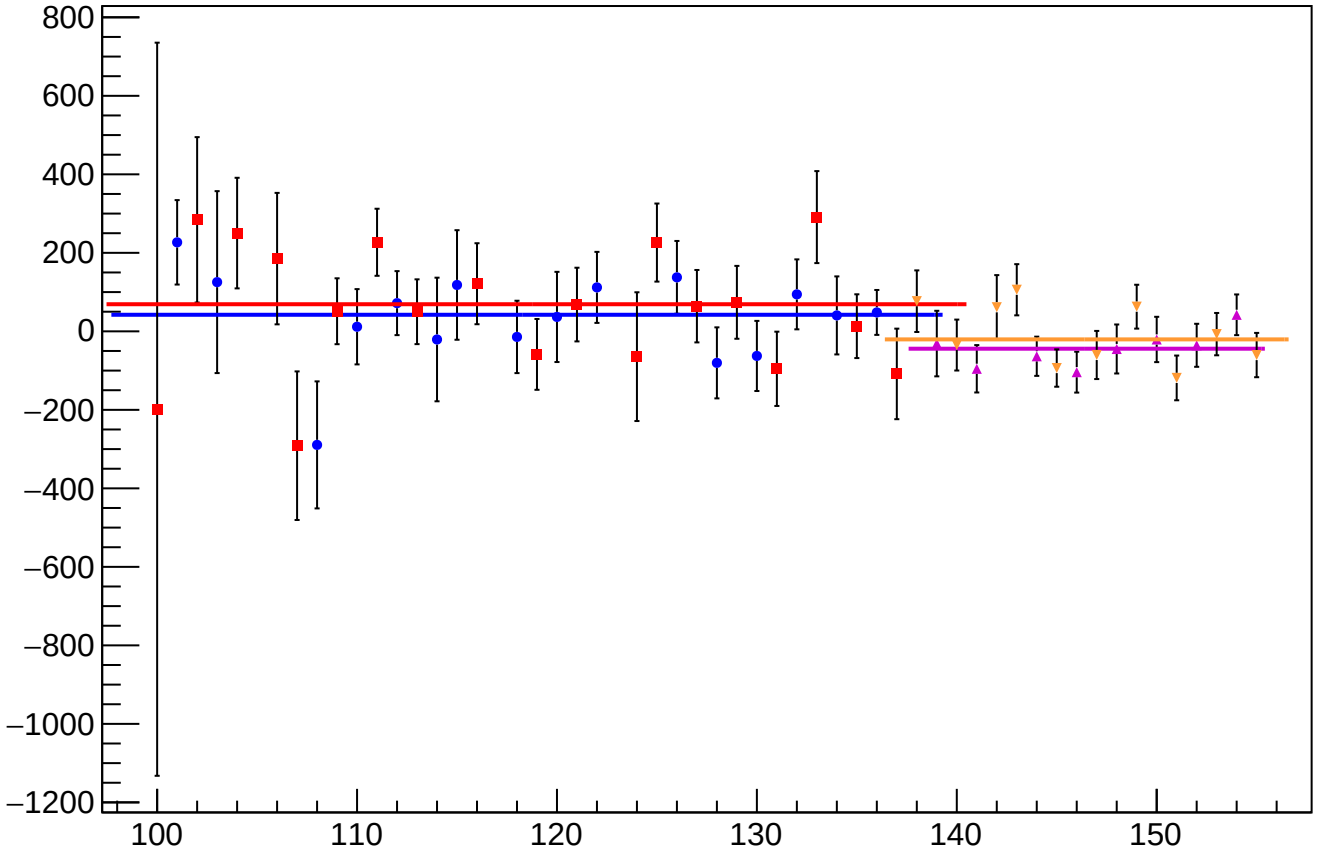
Left: 290.195+/-0.057 χ^2/NDF: 2982725.3/17

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 335.510+/-0.071 χ^2/NDF:5545668.8/23

Out: 370.617+/-0.074 χ^2/NDF:4914662.2/28

All: 352.402+/-0.051 χ^2/NDF: 10578376.5/52



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -20.493+/-18.972 χ^2/NDF:14.9/9

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -44.244+/-20.206 χ^2/NDF:5.2/7

Left: -31.621+/-13.831 χ^2/NDF: 20.8/17

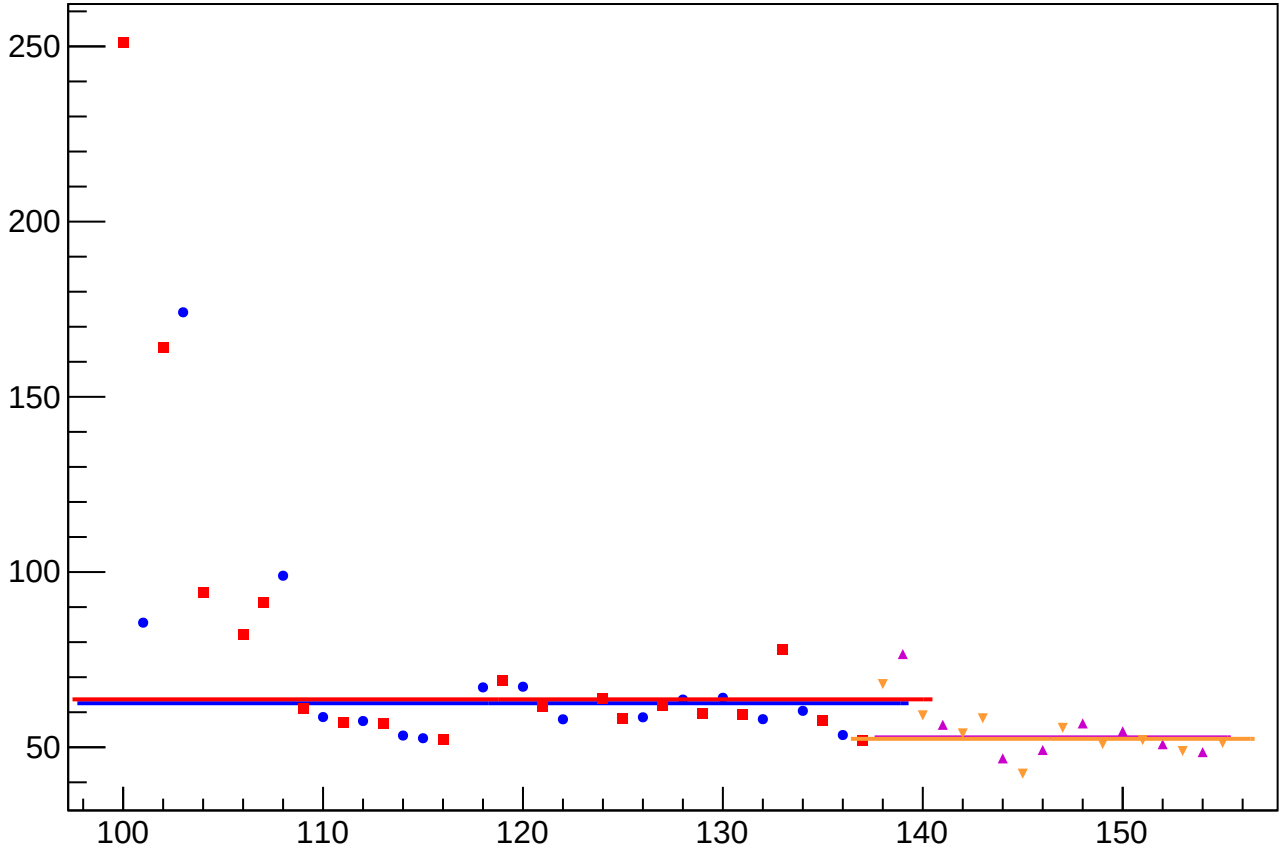
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -8.740+/-15.512 χ^2/NDF:26.2/23

Out: 13.219+/-14.982 χ^2/NDF:48.5/28

All: 2.621+/-10.776 χ^2/NDF: 75.8/52

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.411+/-0.013 χ^2/NDF:220542.6/9

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.824+/-0.014 χ^2/NDF:233178.9/7

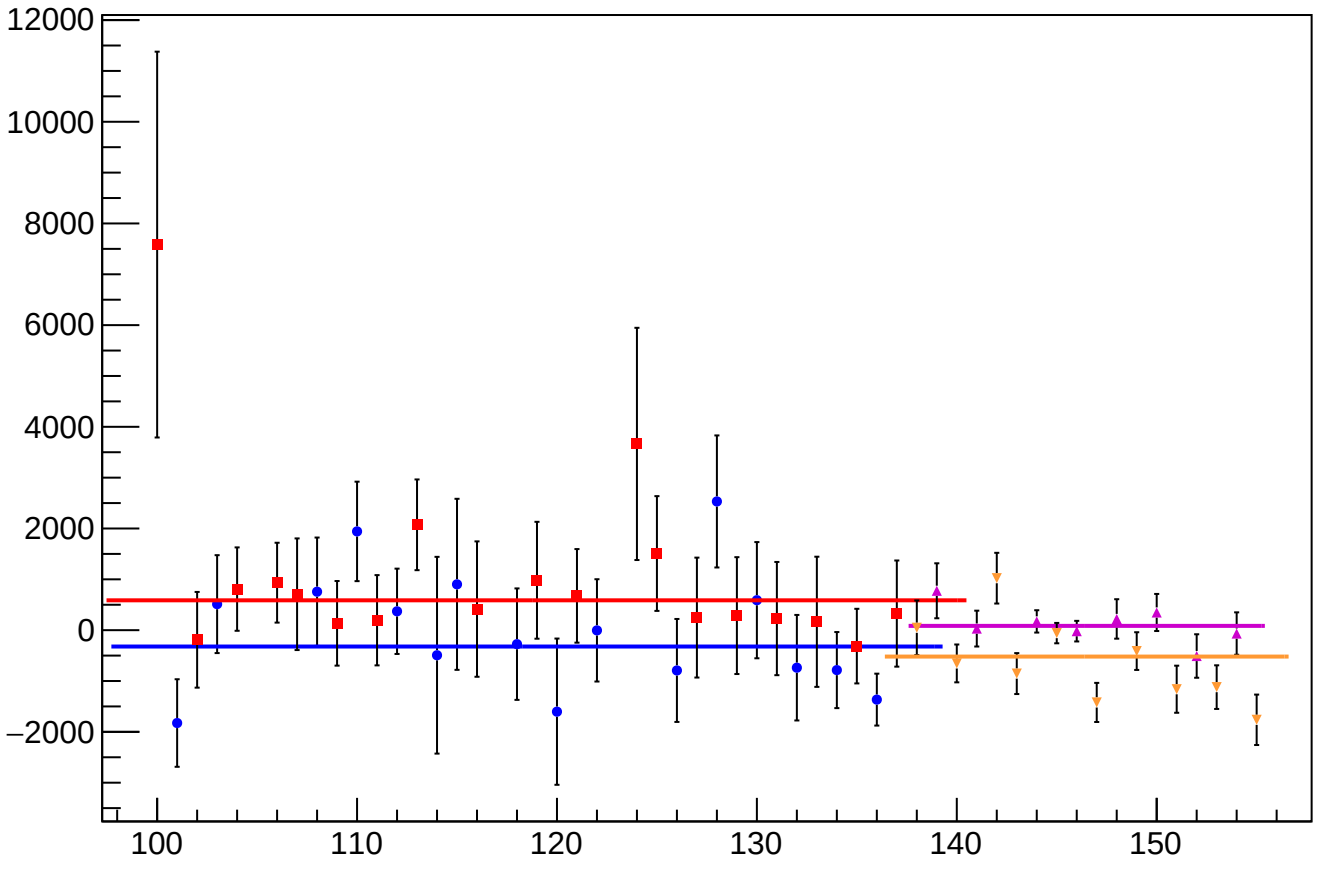
Left: 52.605+/-0.010 χ^2/NDF: 454163.8/17

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 56.824+/-0.011 χ^2/NDF:1182689.2/23

Out: 56.651+/-0.011 χ^2/NDF:1317321.4/28

All: 56.735+/-0.008 χ^2/NDF: 2500139.2/52



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -519.308+/-116.267 χ^2/NDF:32.6/9

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 84.507+/-110.468 χ^2/NDF:4.8/7

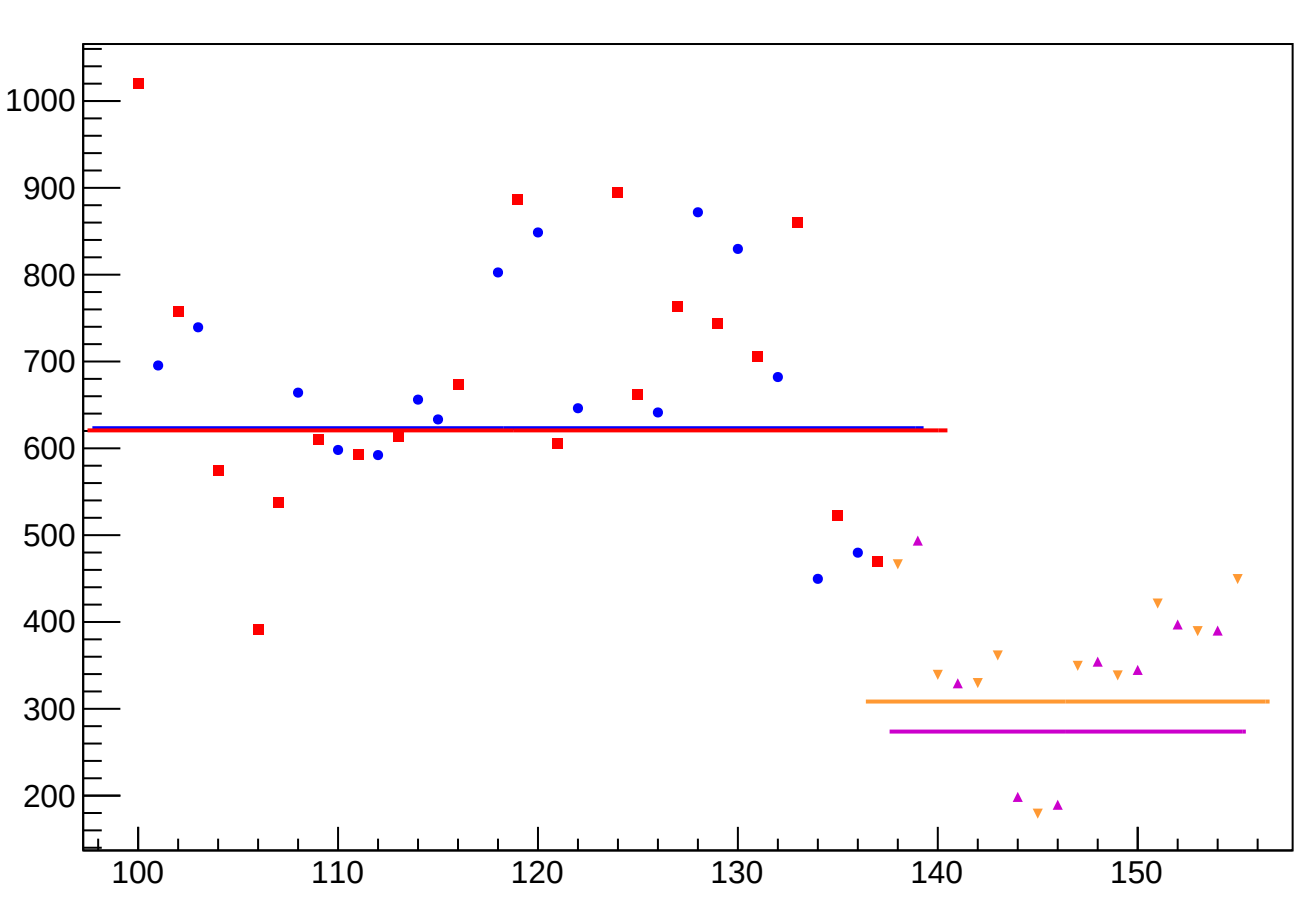
Left: -201.968+/-80.084 χ^2/NDF: 51.5/17

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 12.754+/-100.237 χ^2/NDF:29.9/23

Out: -300.339+/-104.129 χ^2/NDF:62.7/28

All: -137.831+/-72.215 χ^2/NDF: 97.2/52



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 308.373+/-0.082 χ^2/NDF:1444095.2/9

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 273.785+/-0.078 χ^2/NDF:1445620.1/7

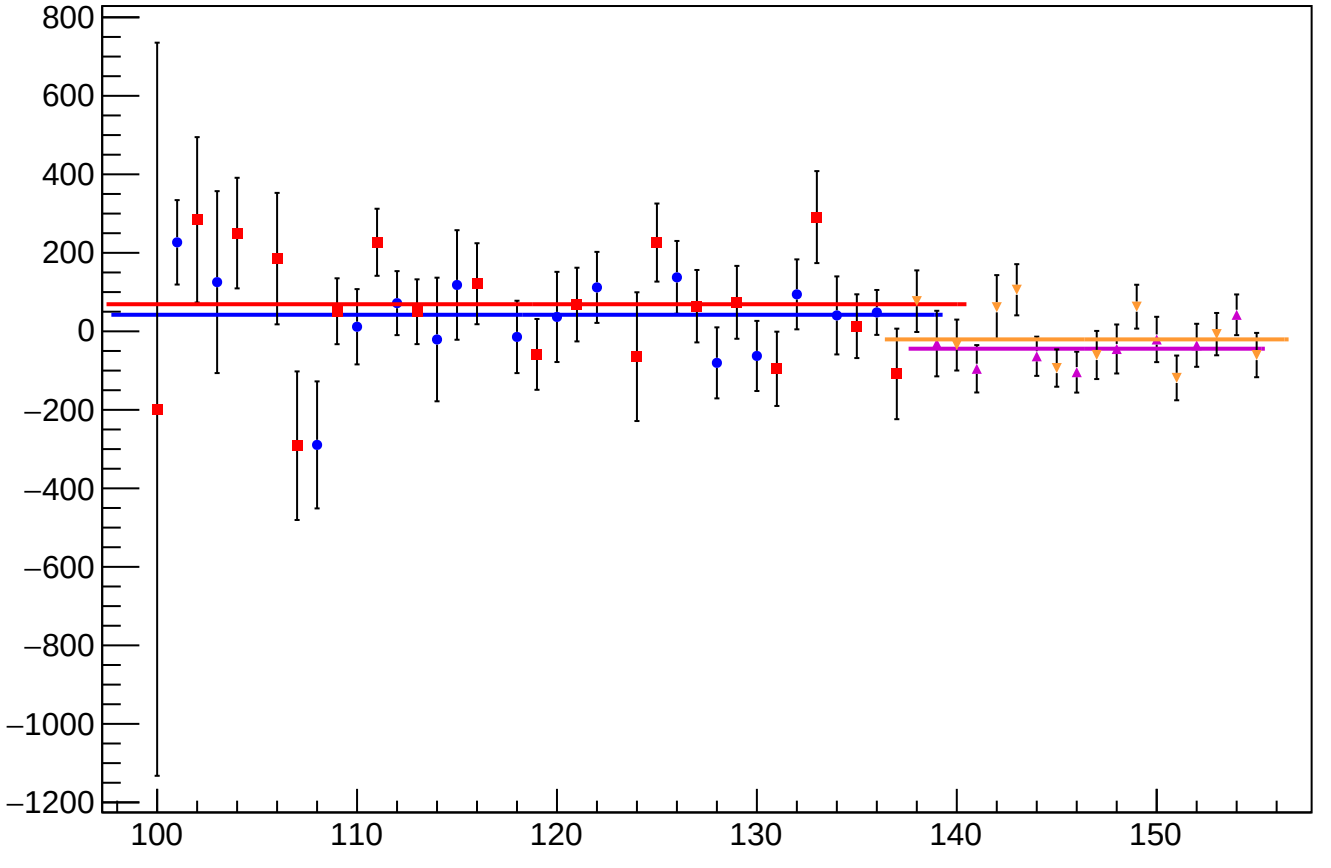
Left: 290.195+/-0.057 χ^2/NDF: 2982737.0/17

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 335.509+/-0.071 χ^2/NDF:5545735.8/23

Out: 370.173+/-0.074 χ^2/NDF:4910113.6/28

All: 352.181+/-0.051 χ^2/NDF: 10570885.7/52



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -20.493+/-18.972 χ^2/NDF:14.9/9

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -44.244+/-20.206 χ^2/NDF:5.2/7

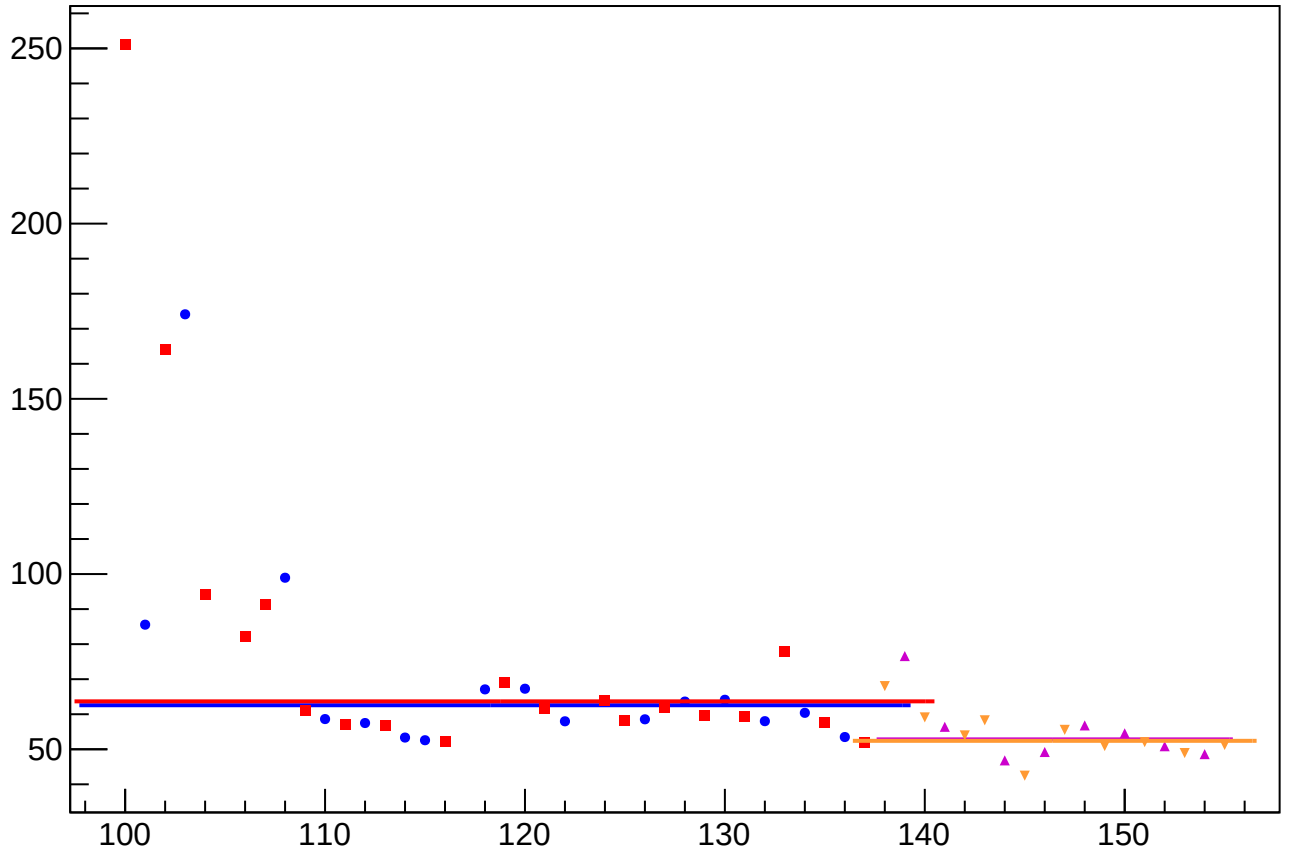
Left: -31.621+/-13.831 χ^2/NDF: 20.8/17

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -8.740+/-15.512 χ^2/NDF:26.2/23

Out: 13.219+/-14.982 χ^2/NDF:48.5/28

All: 2.621+/-10.776 χ^2/NDF: 75.8/52



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.411+/-0.013 χ^2/NDF:220542.6/9

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 52.824+/-0.014 χ^2/NDF:233178.9/7

Left: 52.605+/-0.010 χ^2/NDF: 454163.8/17

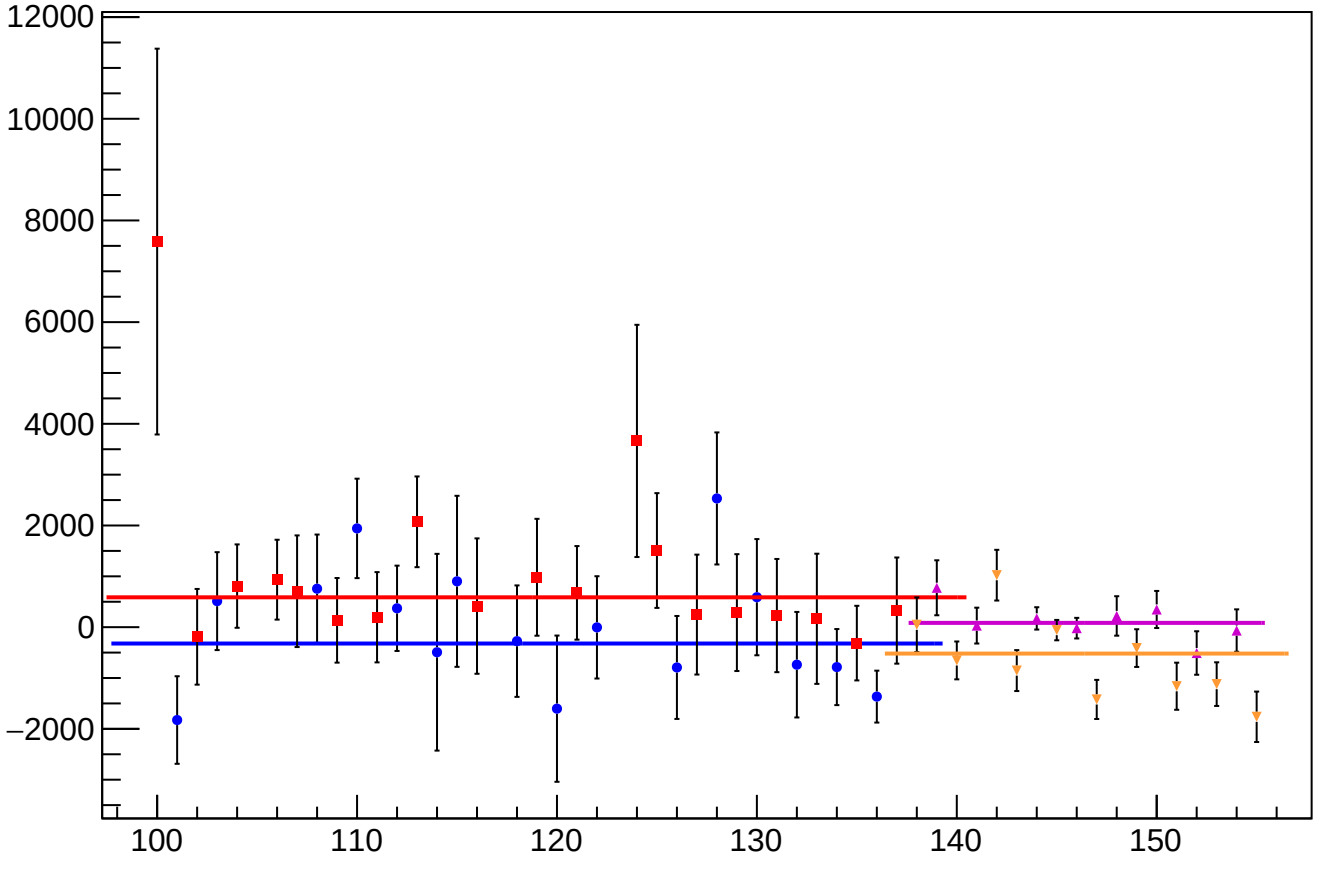
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 56.824+/-0.011 χ^2/NDF:1182689.2/23

Out: 56.651+/-0.011 χ^2/NDF:1317321.4/28

All: 56.735+/-0.008 χ^2/NDF: 2500139.2/52

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: -519.308+/-116.267 χ^2/NDF:32.6/9

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 84.507+/-110.468 χ^2/NDF:4.8/7

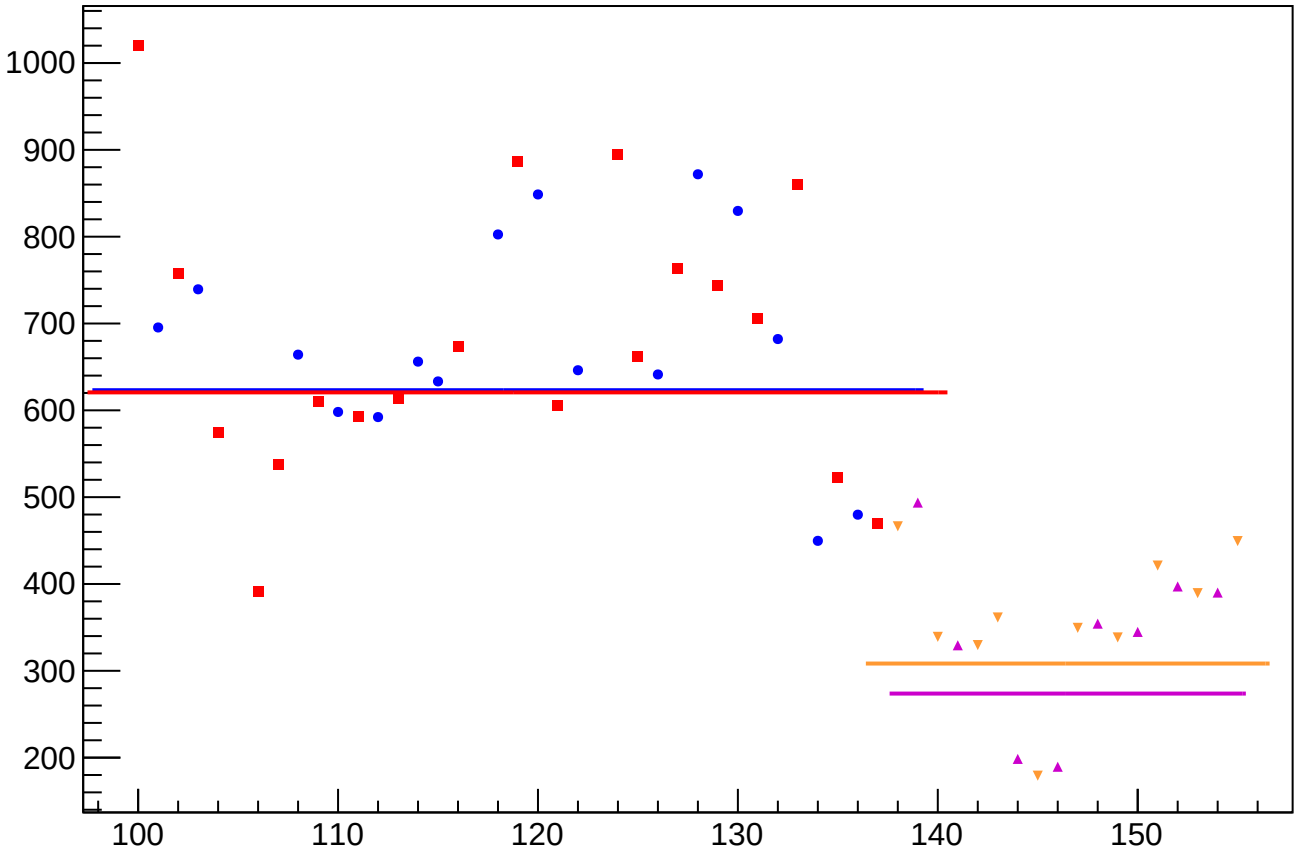
Left: -201.968+/-80.084 χ^2/NDF: 51.5/17

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 12.754+/-100.237 χ^2/NDF:29.9/23

Out: -300.339+/-104.129 χ^2/NDF:62.7/28

All: -137.831+/-72.215 χ^2/NDF: 97.2/52



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 308.373+/-0.082 χ^2/NDF:1444095.2/9

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 273.785+/-0.078 χ^2/NDF:1445620.1/7

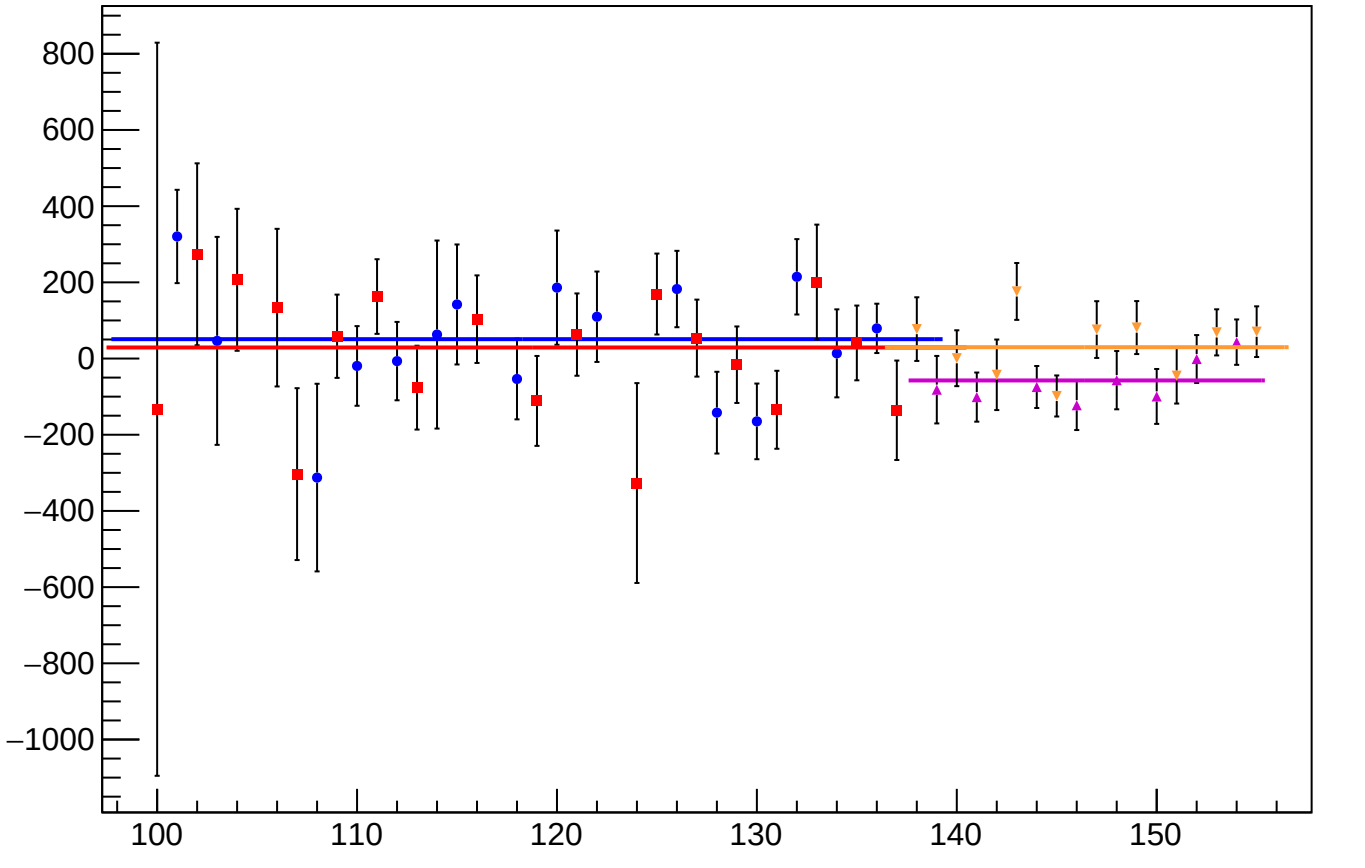
Left: 290.195+/-0.057 χ^2/NDF: 2982737.0/17

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 335.509+/-0.071 χ^2/NDF:5545735.8/23

Out: 370.173+/-0.074 χ^2/NDF:4910113.6/28

All: 352.181+/-0.051 χ^2/NDF: 10570885.7/52



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 29.785+/-22.126 χ^2/NDF:13.3/9

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -57.495+/-23.365 χ^2/NDF:5.6/7

Left: -11.479+/-16.066 χ^2/NDF: 26.3/17

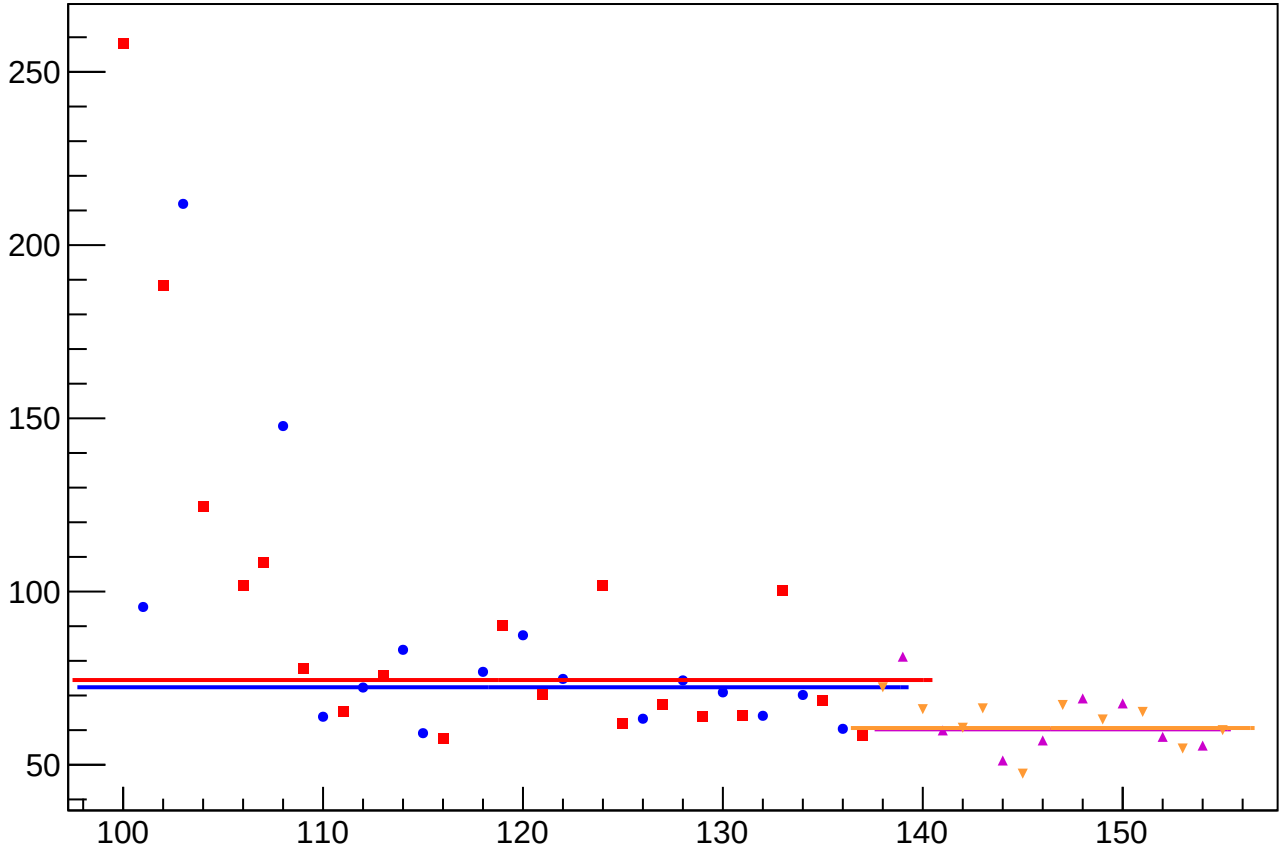
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -13.611+/-18.022 χ^2/NDF:37.2/23

Out: 29.510+/-17.571 χ^2/NDF:31.9/28

All: 8.496+/-12.581 χ^2/NDF: 72.0/52

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 60.611+/-0.016 χ^2/NDF:227429.7/9

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 60.225+/-0.017 χ^2/NDF:233857.6/7

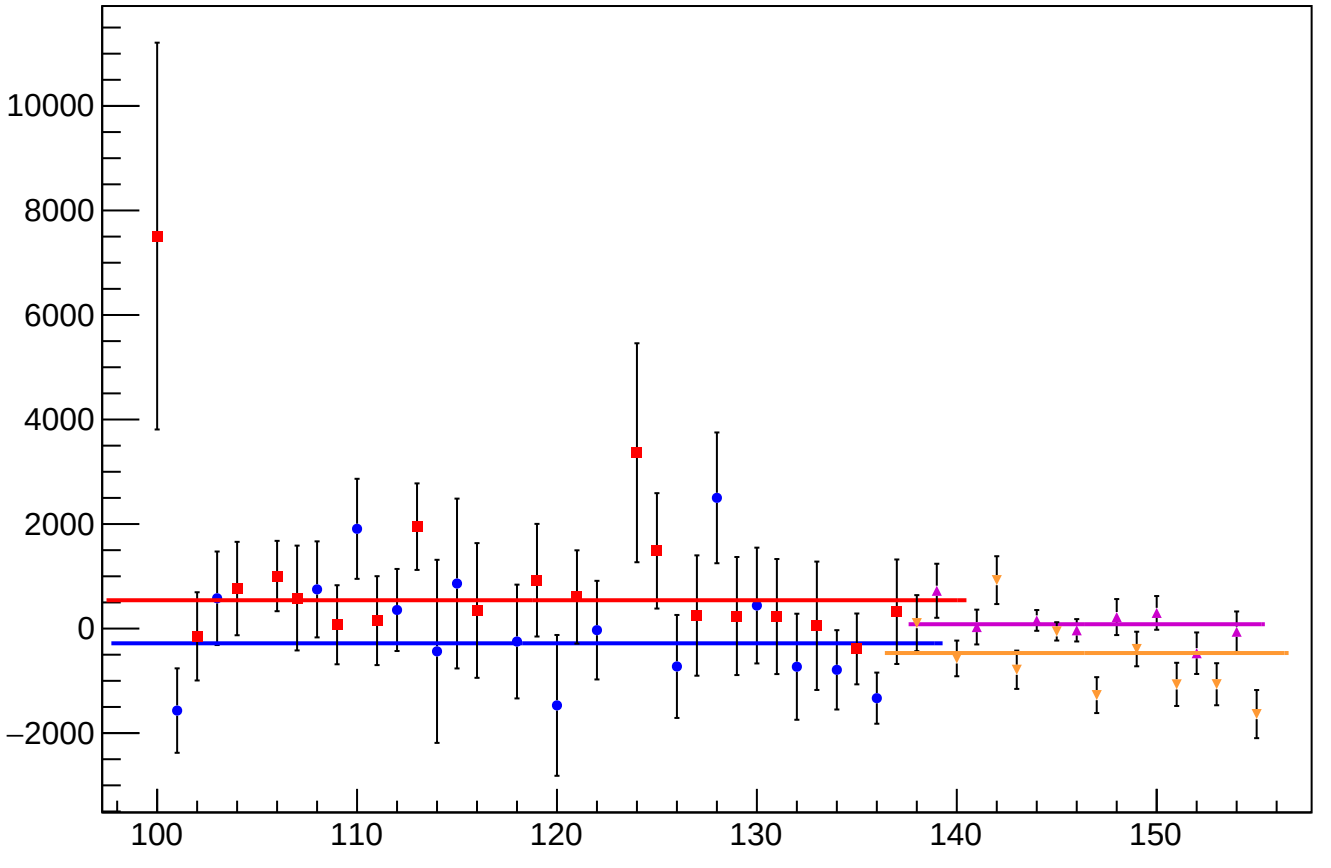
Left: 60.429+/-0.011 χ^2/NDF: 461574.9/17

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 65.148+/-0.013 χ^2/NDF:1391194.0/23

Out: 65.728+/-0.012 χ^2/NDF:1569299.9/28

All: 65.445+/-0.009 χ^2/NDF: 2961556.1/52



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -467.992+/-104.741 χ^2/NDF:33.2/9

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 82.925+/-104.834 χ^2/NDF:4.7/7

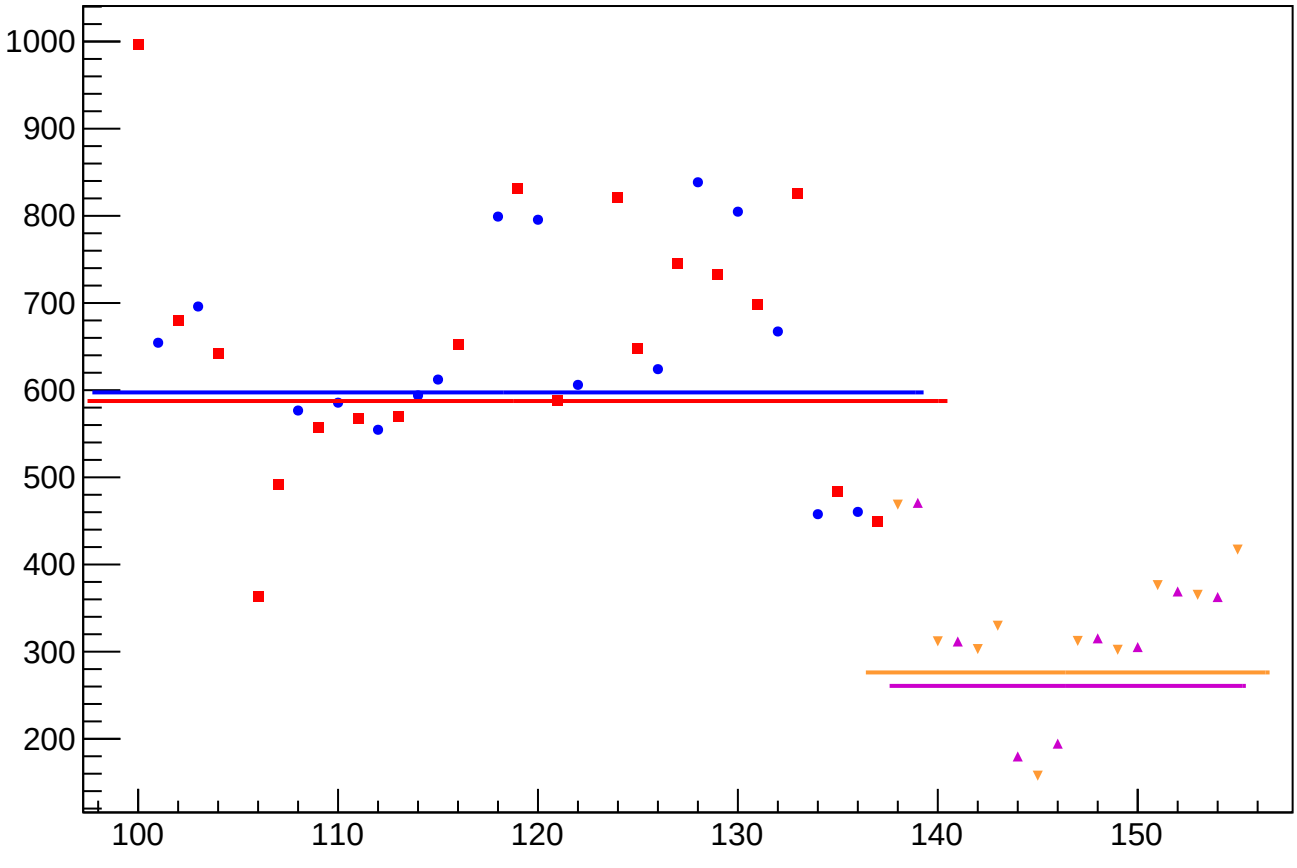
Left: -192.776+/-74.096 χ^2/NDF: 51.7/17

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 19.135+/-95.232 χ^2/NDF:29.6/23

Out: -282.602+/-94.642 χ^2/NDF:63.5/28

All: -132.672+/-67.130 χ^2/NDF: 98.1/52



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 276.173+/-0.074 χ^2/NDF:1678367.8/9

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 260.740+/-0.074 χ^2/NDF:1275985.1/7

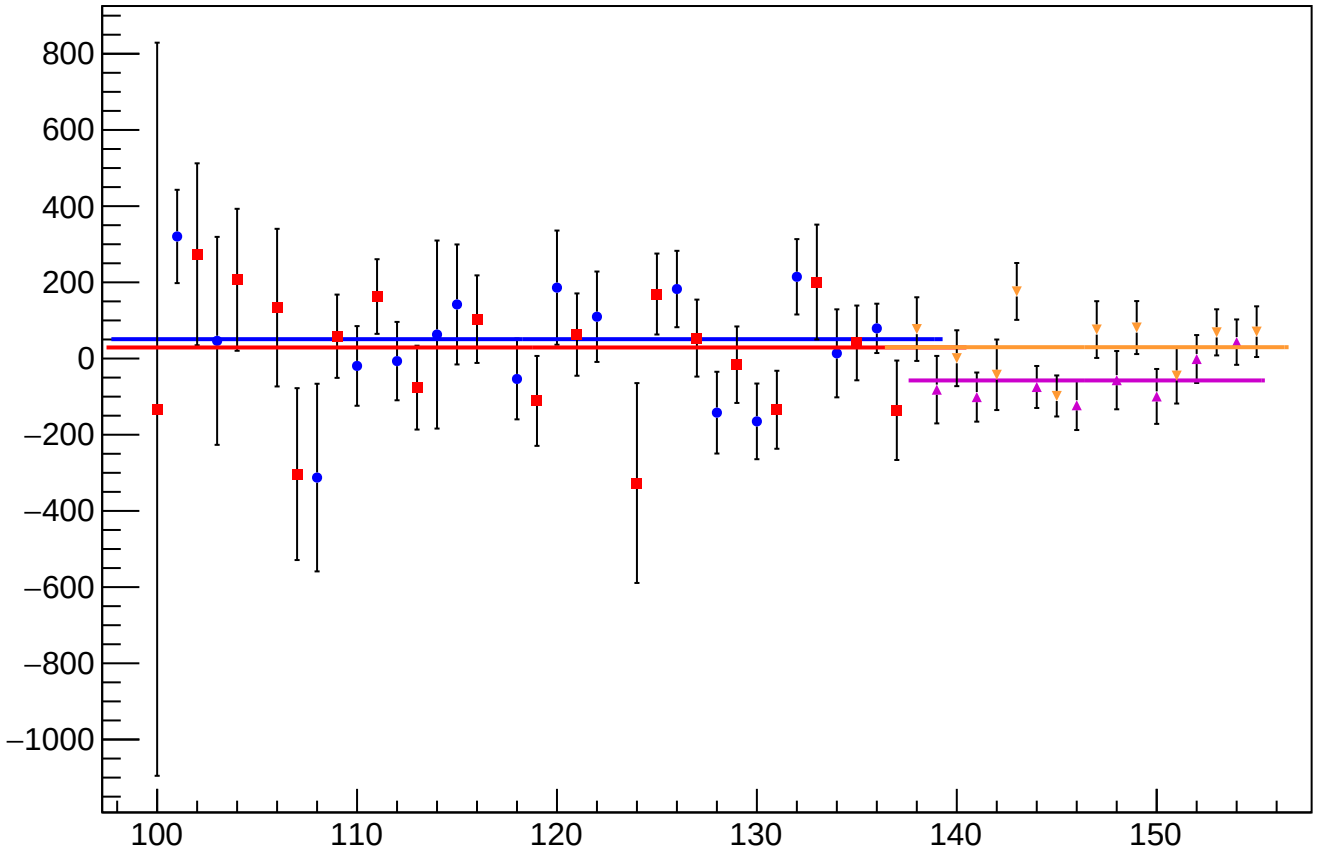
Left: 268.464+/-0.052 χ^2/NDF: 2976044.5/17

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 319.590+/-0.067 χ^2/NDF:5415661.8/23

Out: 333.330+/-0.067 χ^2/NDF:5612035.7/28

All: 326.502+/-0.047 χ^2/NDF: 11048643.2/52



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 29.787+/-22.126 χ^2/NDF:13.3/9

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -57.495+/-23.365 χ^2/NDF:5.6/7

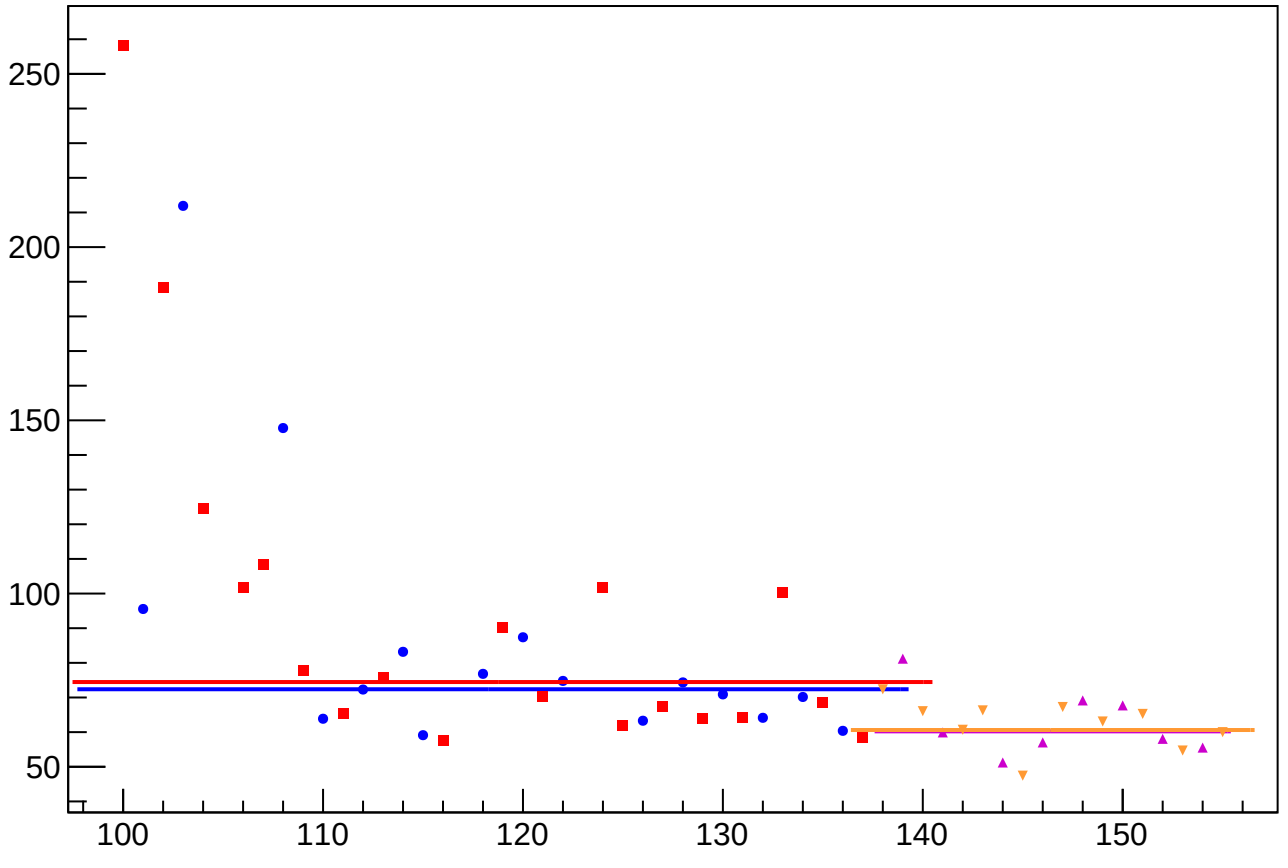
Left: -11.478+/-16.066 χ^2/NDF: 26.3/17

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -13.611+/-18.022 χ^2/NDF:37.2/23

Out: 29.510+/-17.571 χ^2/NDF:31.9/28

All: 8.496+/-12.581 χ^2/NDF: 72.0/52



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 60.611+/-0.016 χ^2/NDF:227439.7/9

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 60.225+/-0.017 χ^2/NDF:233859.0/7

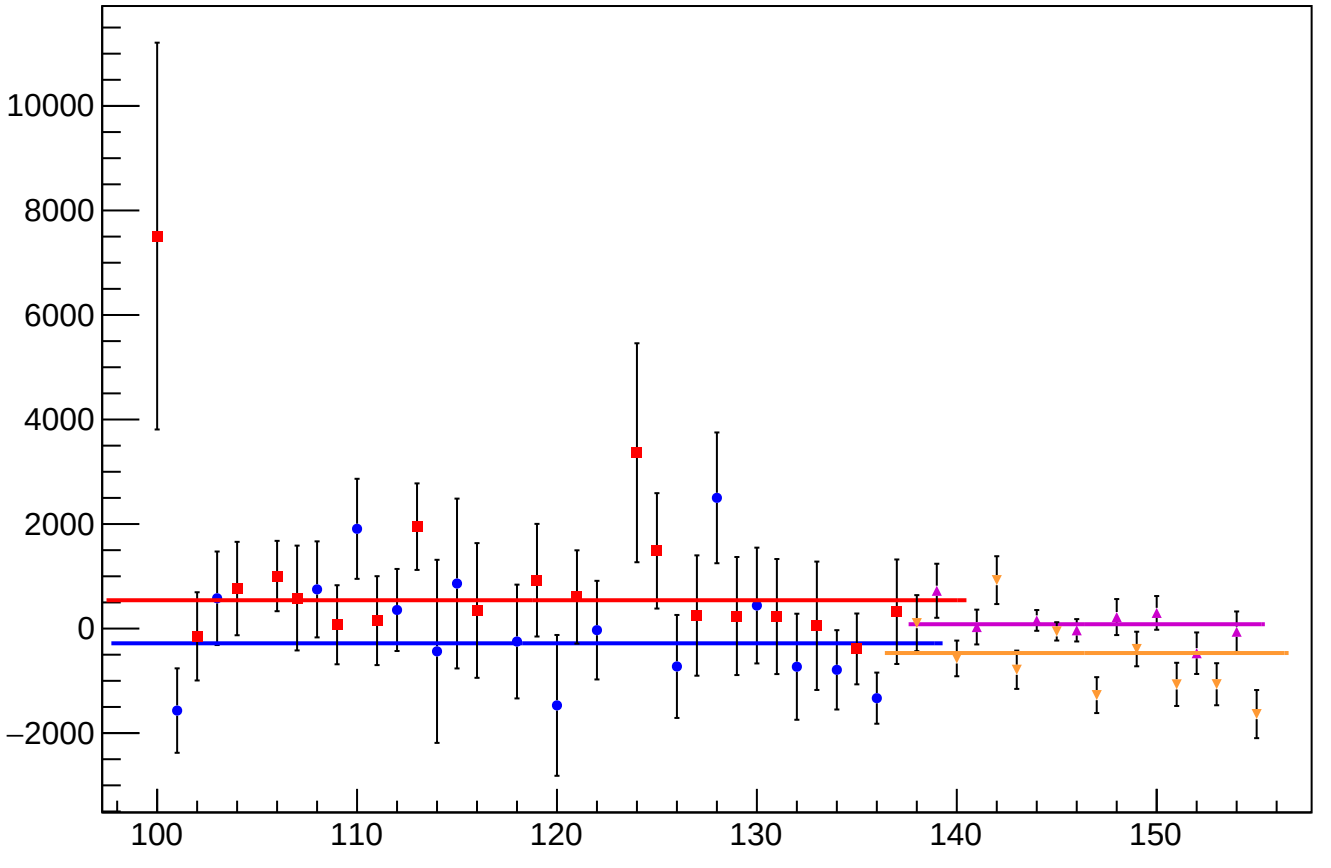
Left: 60.429+/-0.011 χ^2/NDF: 461586.3/17

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 65.148+/-0.013 χ^2/NDF:1391187.9/23

Out: 65.728+/-0.012 χ^2/NDF:1569288.9/28

All: 65.445+/-0.009 χ^2/NDF: 2961539.2/52



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -467.992+/-104.741 χ^2/NDF:33.2/9

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 82.924+/-104.834 χ^2/NDF:4.7/7

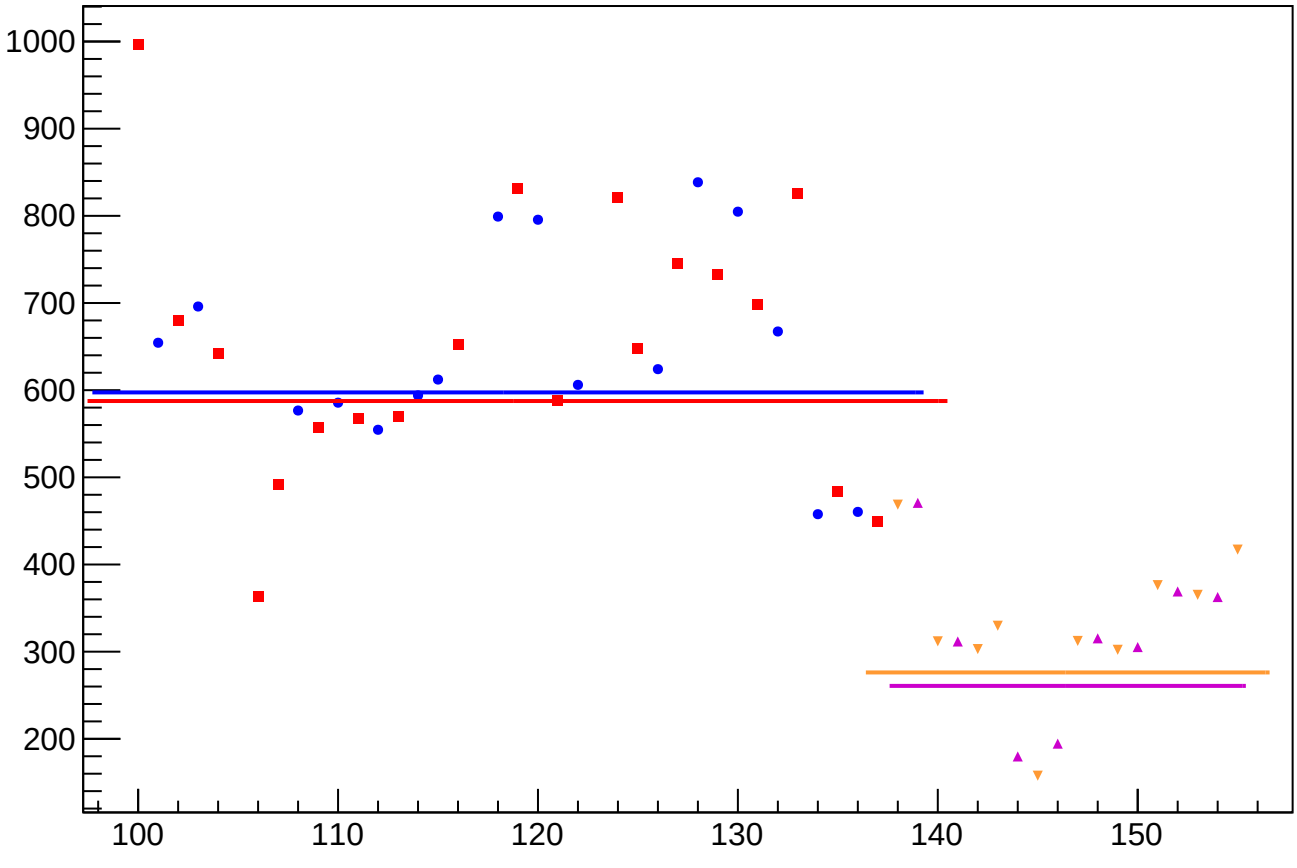
Left: -192.777+/-74.096 χ^2/NDF: 51.7/17

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 19.135+/-95.232 χ^2/NDF:29.6/23

Out: -282.602+/-94.642 χ^2/NDF:63.5/28

All: -132.672+/-67.130 χ^2/NDF: 98.1/52



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 276.173+/-0.074 χ^2/NDF:1678357.7/9

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 260.740+/-0.074 χ^2/NDF:1275978.8/7

Left: 268.463+/-0.052 χ^2/NDF: 2976028.5/17

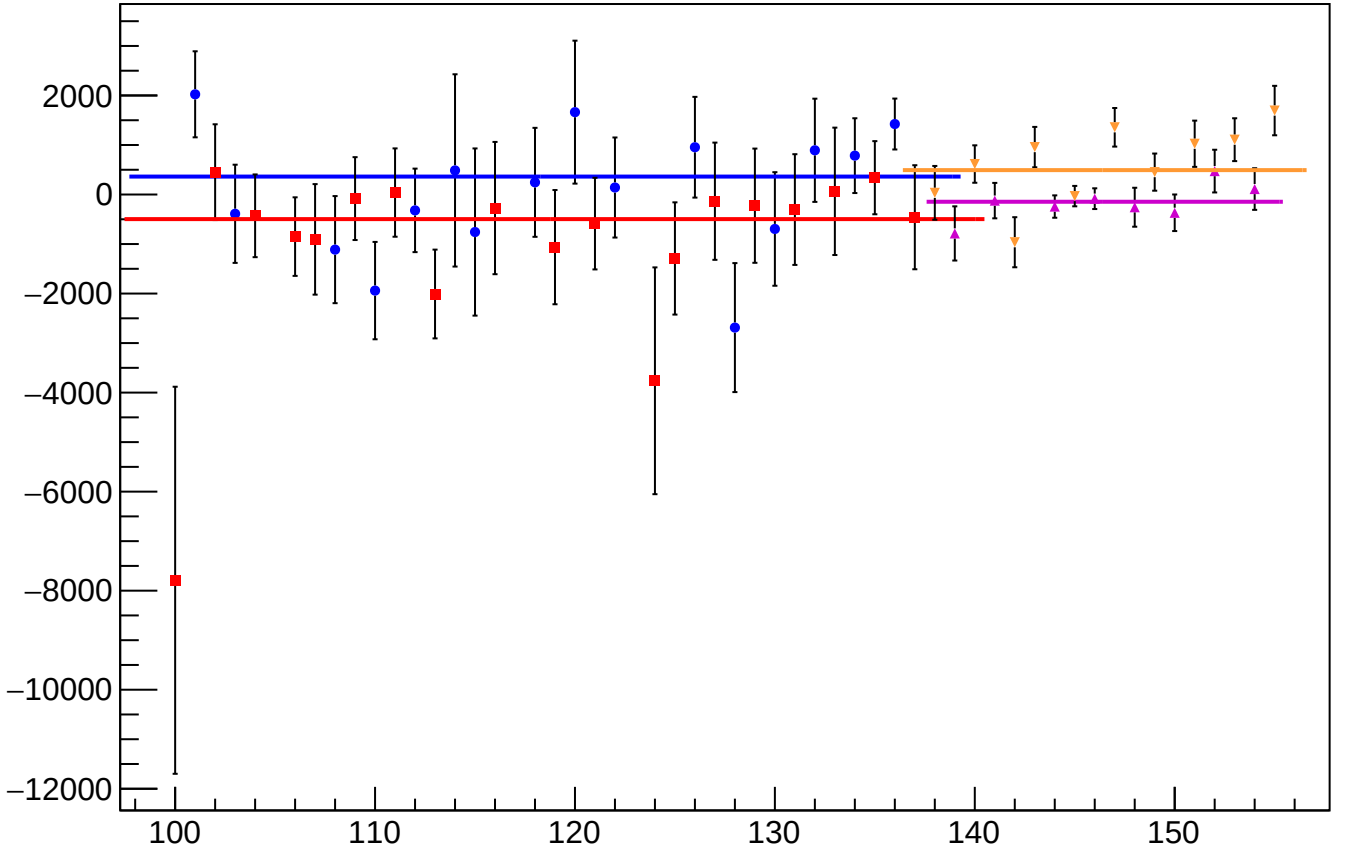
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 319.589+/-0.067 χ^2/NDF:5415664.9/23

Out: 333.329+/-0.067 χ^2/NDF:5612025.1/28

All: 326.502+/-0.047 χ^2/NDF: 11048636.0/52

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 492.573+/-118.251 χ^2/NDF:31.0/9

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -146.188+/-112.942 χ^2/NDF:4.5/7

Left: 158.533+/-81.674 χ^2/NDF: 50.7/17

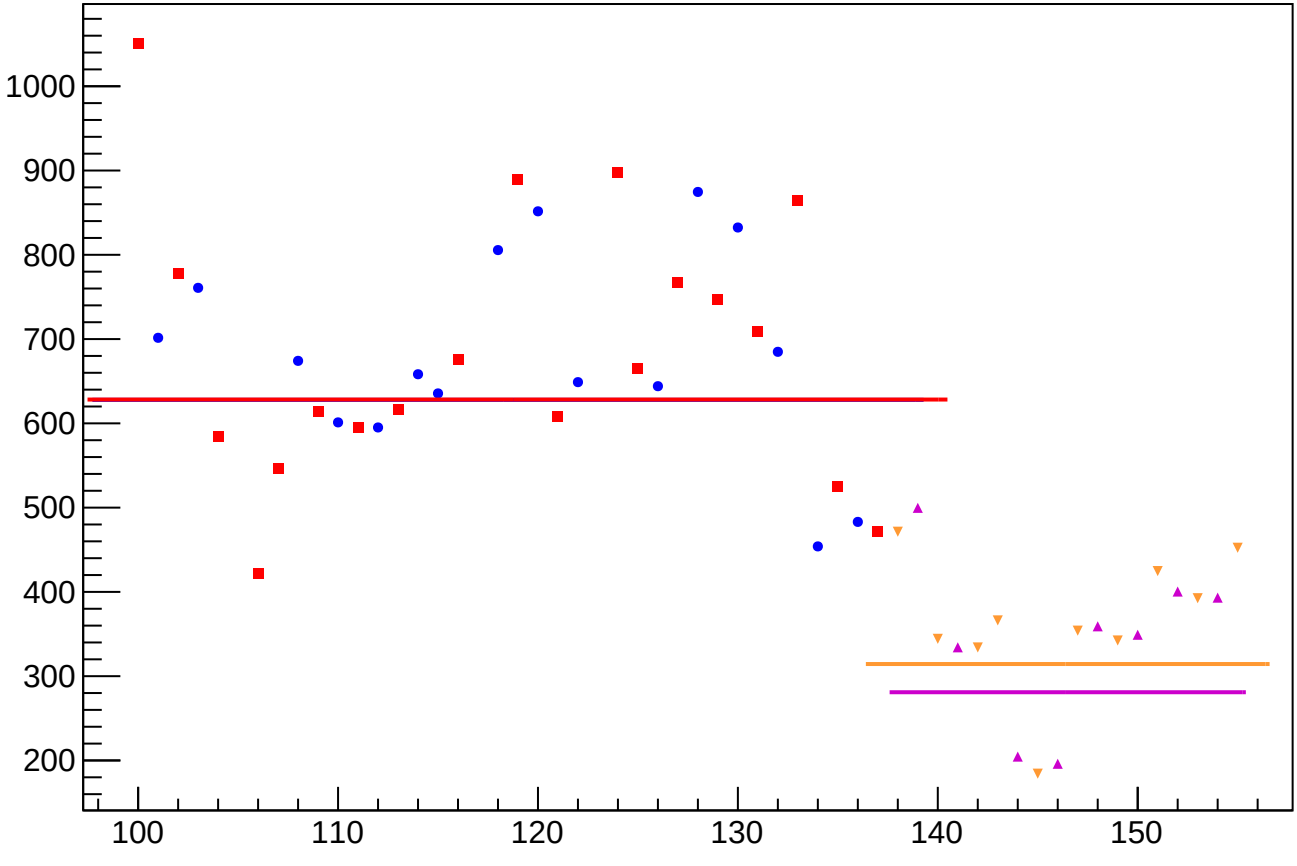
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -54.172+/-102.215 χ^2/NDF:33.2/23

Out: 294.097+/-105.724 χ^2/NDF:57.7/28

All: 114.087+/-73.486 χ^2/NDF: 96.6/52

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 314.422+/-0.084 χ^2/NDF:1373966.3/9

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 280.948+/-0.080 χ^2/NDF:1364932.9/7

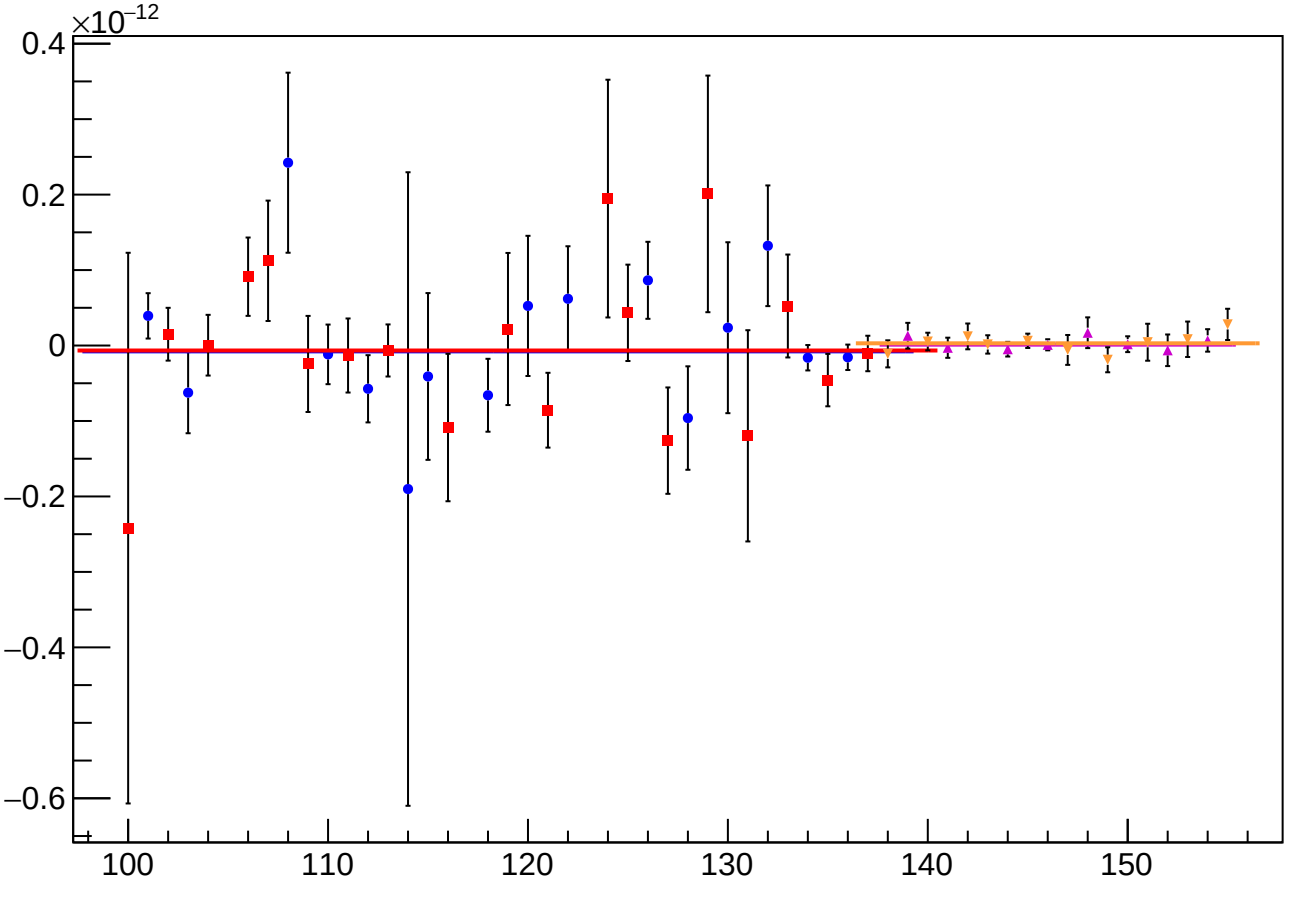
Left: 296.917+/-0.058 χ^2/NDF: 2822708.6/17

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 343.722+/-0.072 χ^2/NDF:5346488.5/23

Out: 377.389+/-0.075 χ^2/NDF:4771290.4/28

All: 359.987+/-0.052 χ^2/NDF: 10222605.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.5/9

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/7

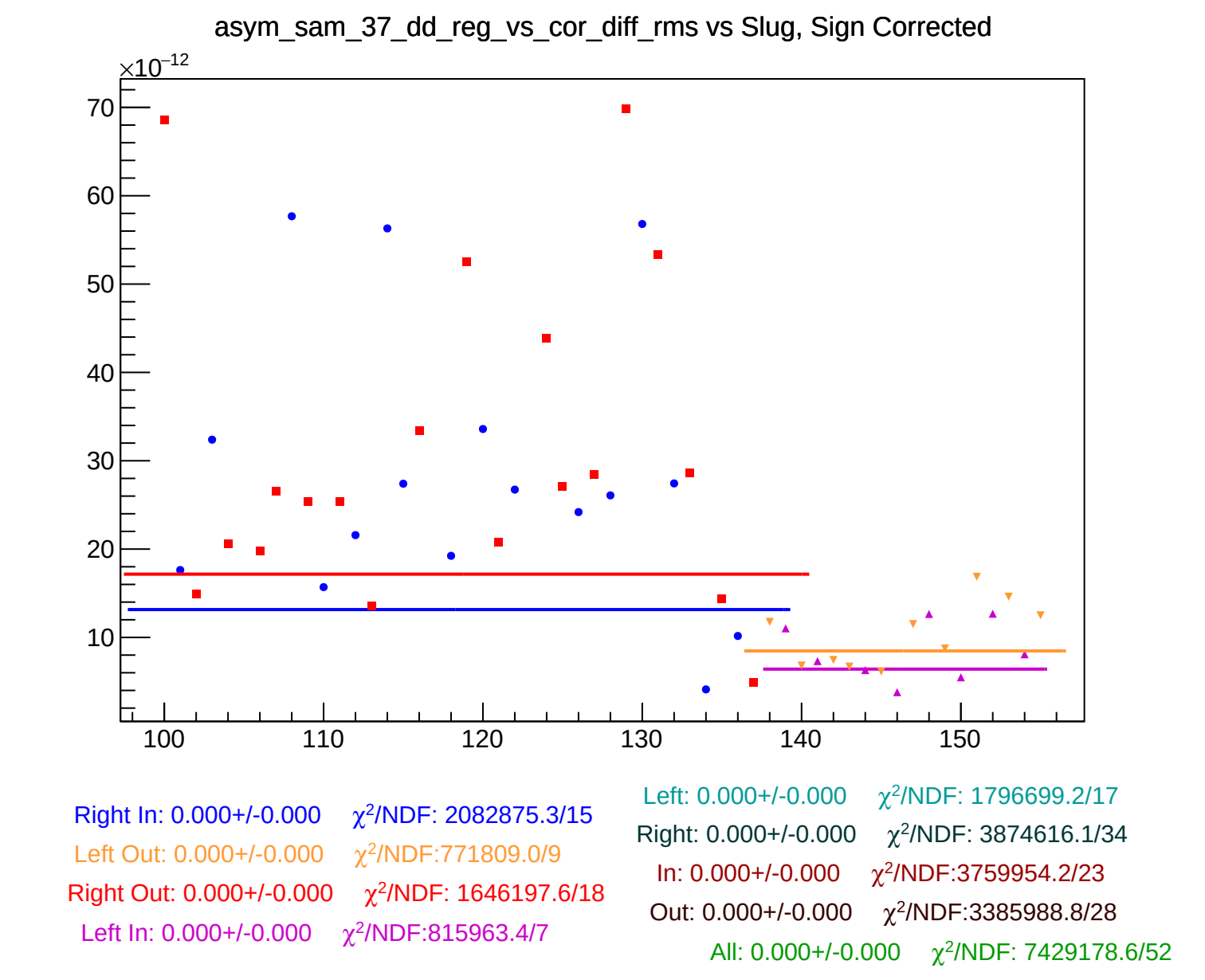
Left: 0.000+/-0.000 χ^2/NDF: 6.4/17

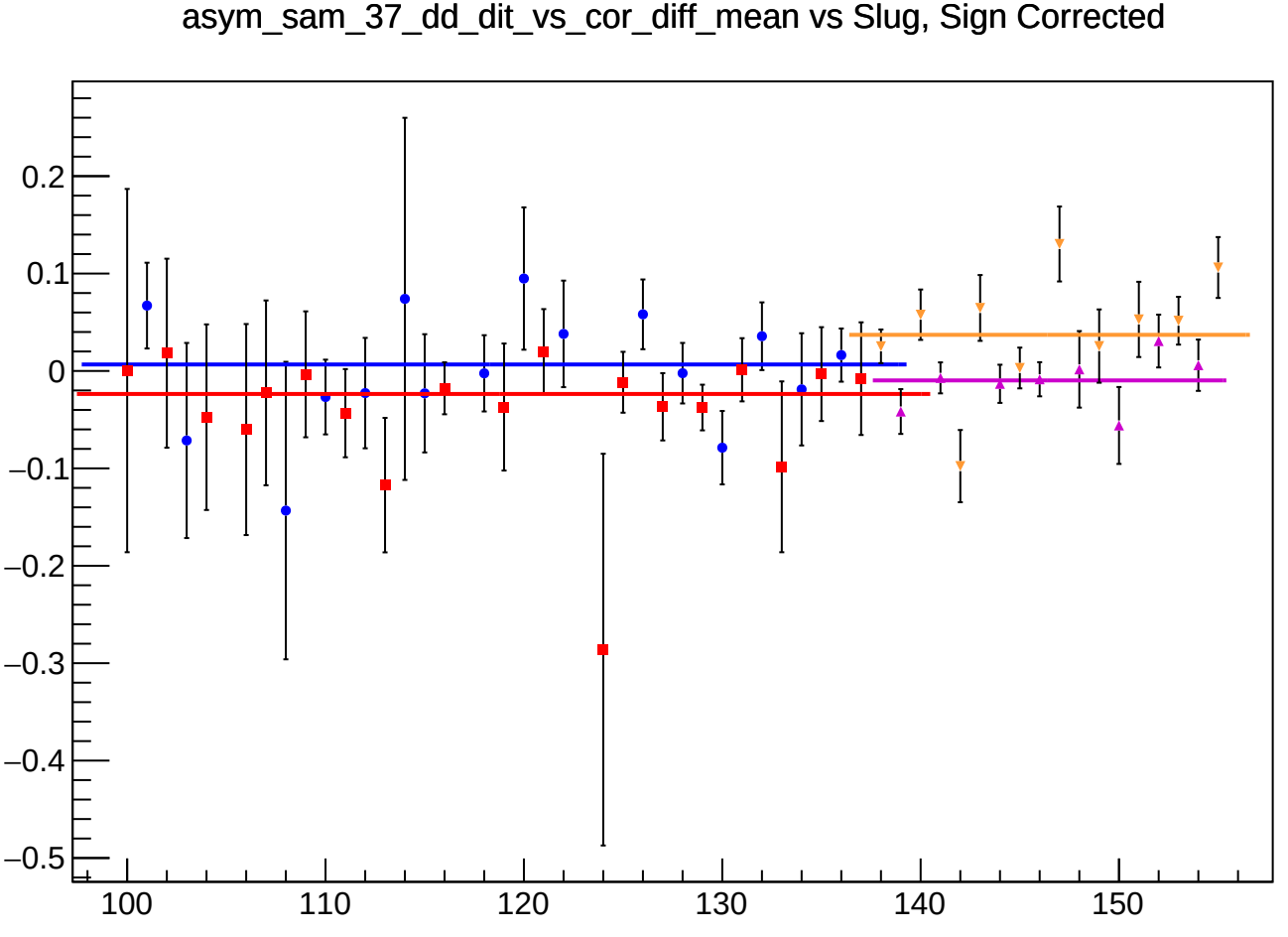
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:23.5/23

Out: 0.000+/-0.000 χ^2/NDF:25.1/28

All: 0.000+/-0.000 χ^2/NDF: 48.7/52


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:771809.0/9
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:815963.4/7
Left: 0.000+/-0.000 χ²/NDF: 1796699.2/17
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3759954.2/23
Out: 0.000+/-0.000 χ²/NDF:3385988.8/28
All: 0.000+/-0.000 χ²/NDF: 7429178.6/52



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.037+/-0.009 χ^2/NDF:29.0/9

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.010+/-0.008 χ^2/NDF:6.0/7

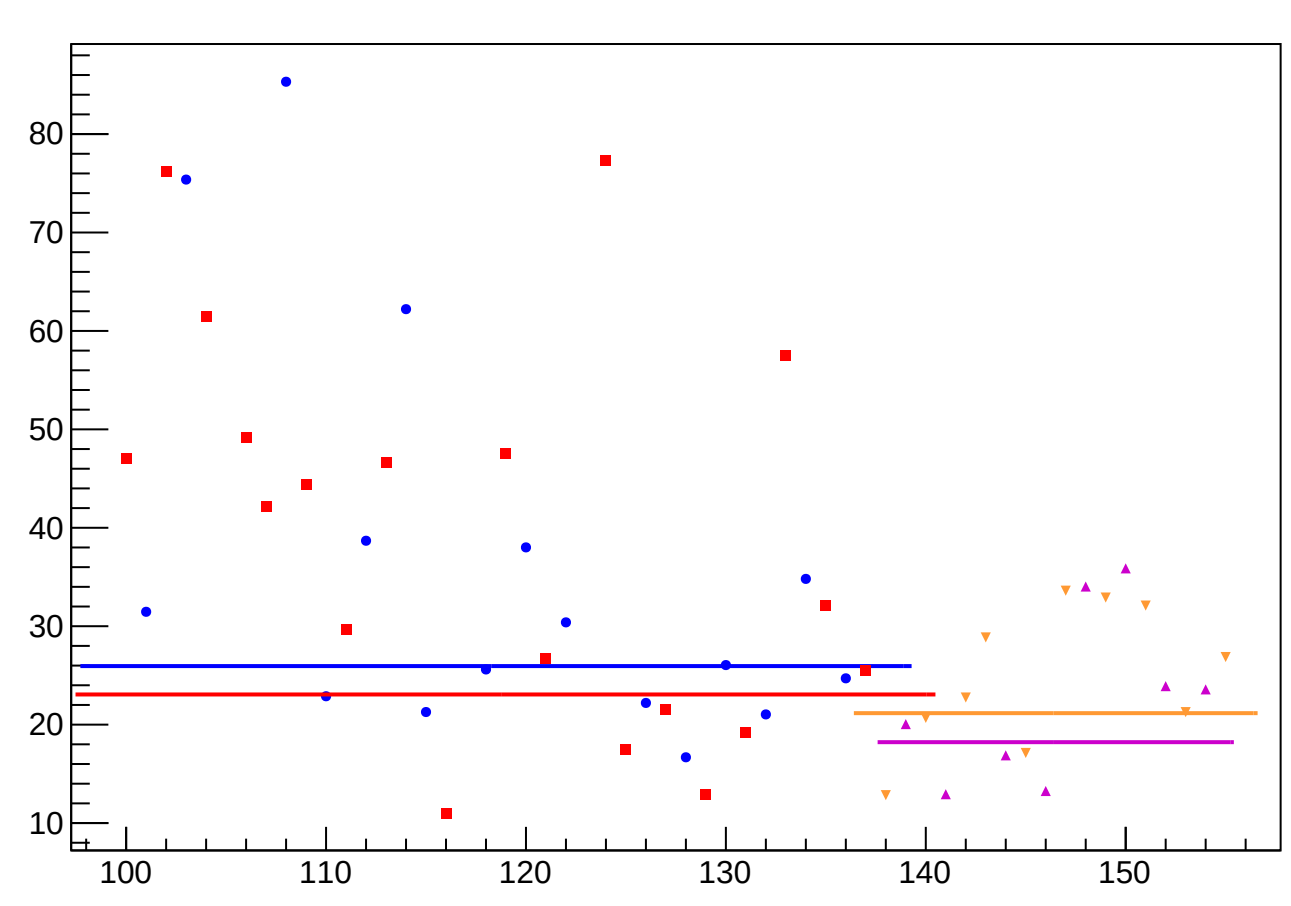
Left: 0.012+/-0.006 χ^2/NDF: 51.0/17

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.006 χ^2/NDF:22.5/23

Out: 0.013+/-0.007 χ^2/NDF:56.5/28

All: 0.004+/-0.005 χ^2/NDF: 82.3/52



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 21.167+/-0.006 χ^2/NDF:1280375.3/9

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 18.219+/-0.006 χ^2/NDF:1298632.2/7

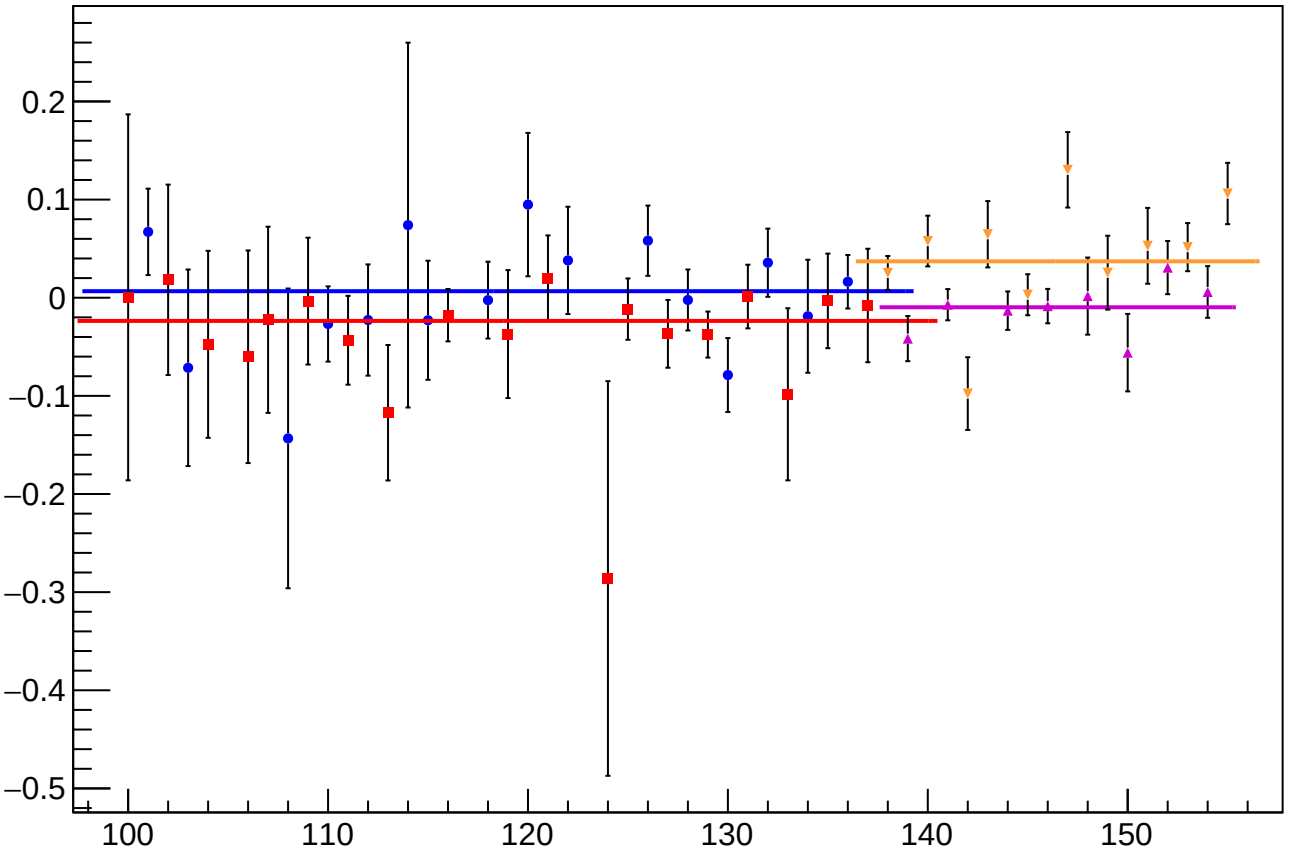
Left: 19.576+/-0.004 χ^2/NDF: 2705456.5/17

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 20.842+/-0.005 χ^2/NDF:3321110.4/23

Out: 21.930+/-0.005 χ^2/NDF:4680312.6/28

All: 21.370+/-0.003 χ^2/NDF: 8028873.5/52



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.037+/-0.009 χ^2/NDF:29.0/9

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.010+/-0.008 χ^2/NDF:6.0/7

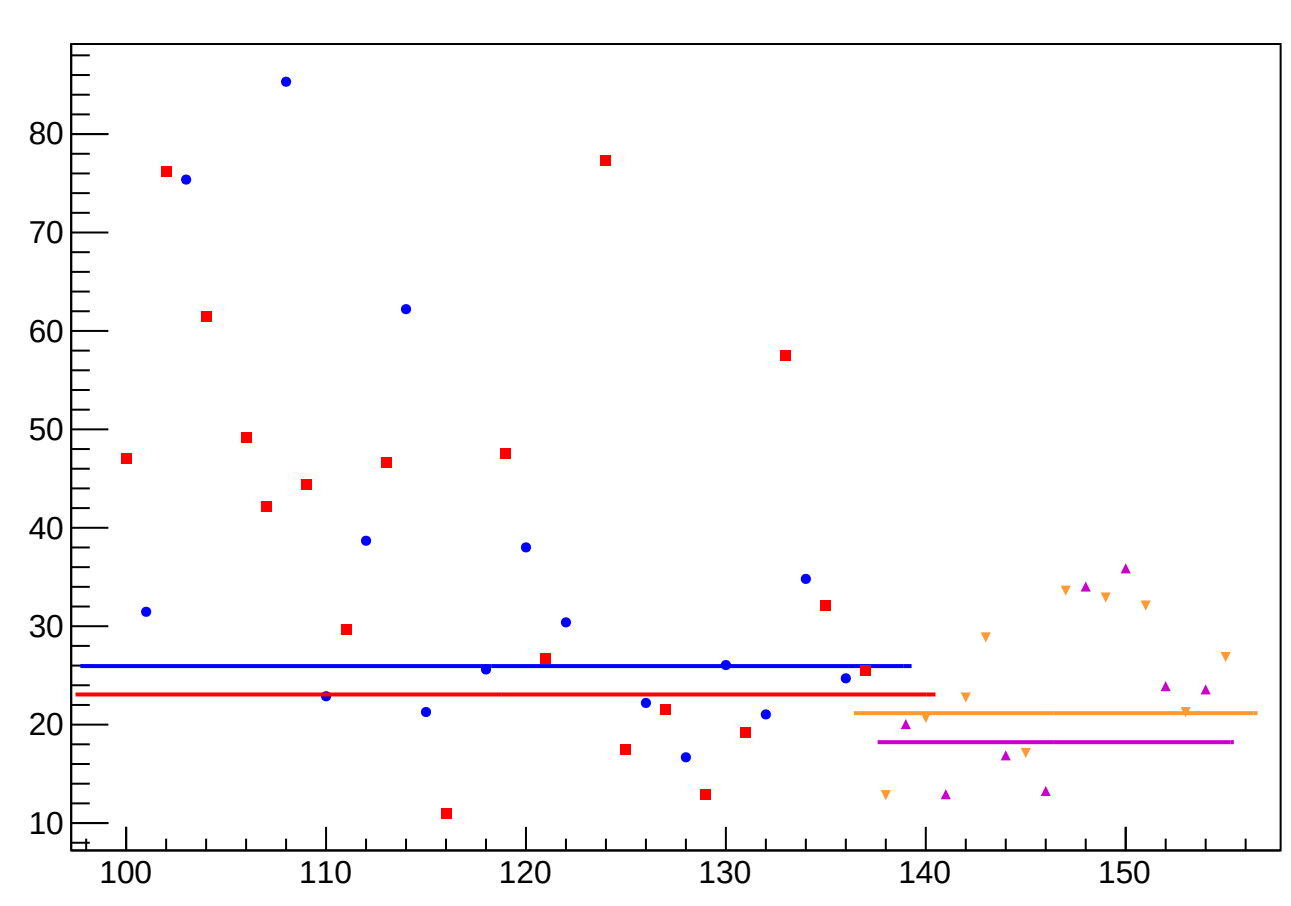
Left: 0.012+/-0.006 χ^2/NDF: 51.0/17

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.006 χ^2/NDF:22.5/23

Out: 0.013+/-0.007 χ^2/NDF:56.5/28

All: 0.004+/-0.005 χ^2/NDF: 82.3/52



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 21.167+/-0.006 χ^2/NDF:1280375.3/9

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 18.219+/-0.006 χ^2/NDF:1298632.2/7

Left: 19.576+/-0.004 χ^2/NDF: 2705456.5/17

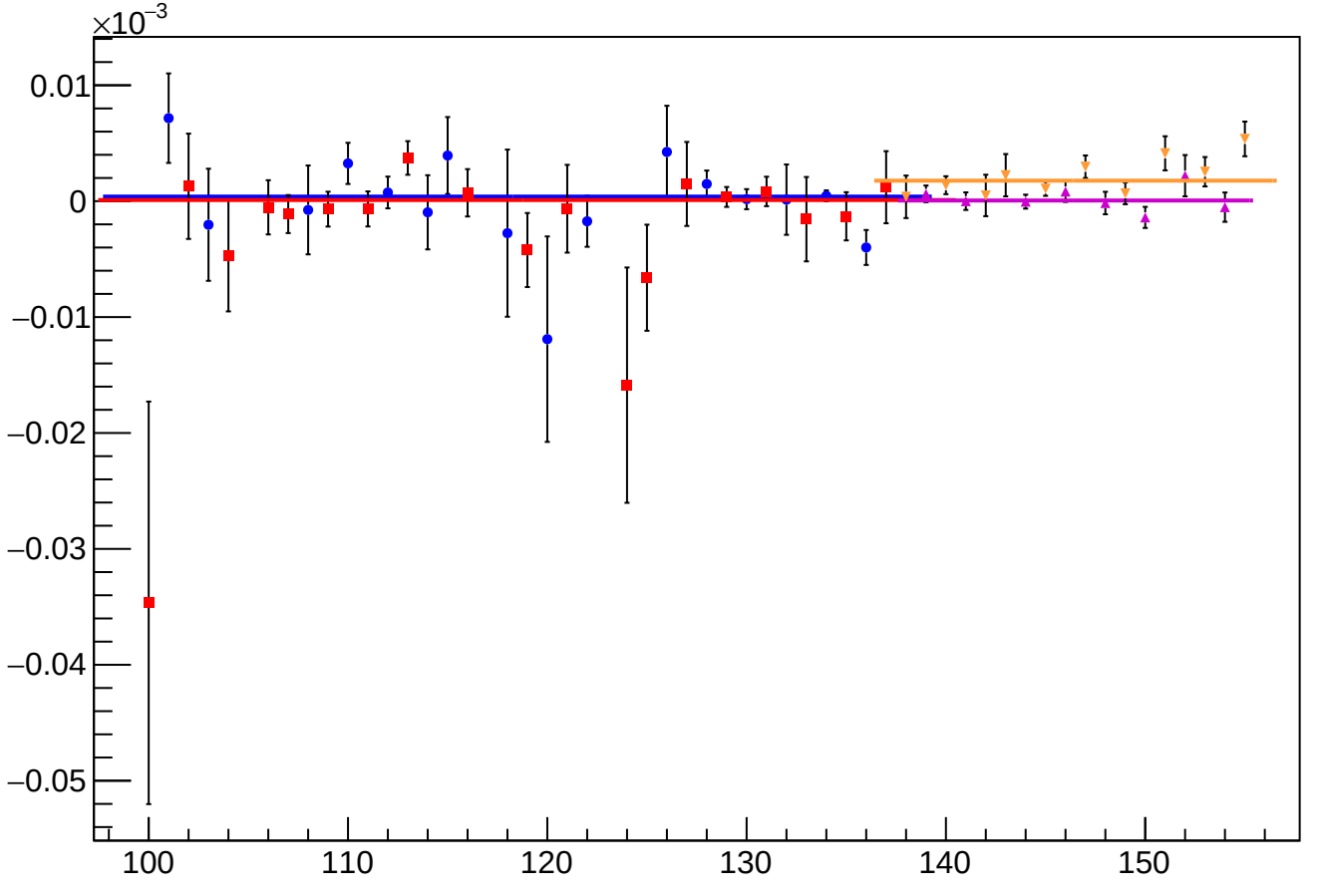
Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 20.842+/-0.005 χ^2/NDF:3321110.4/23

Out: 21.930+/-0.005 χ^2/NDF:4680312.6/28

All: 21.370+/-0.003 χ^2/NDF: 8028873.5/52

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.7/7

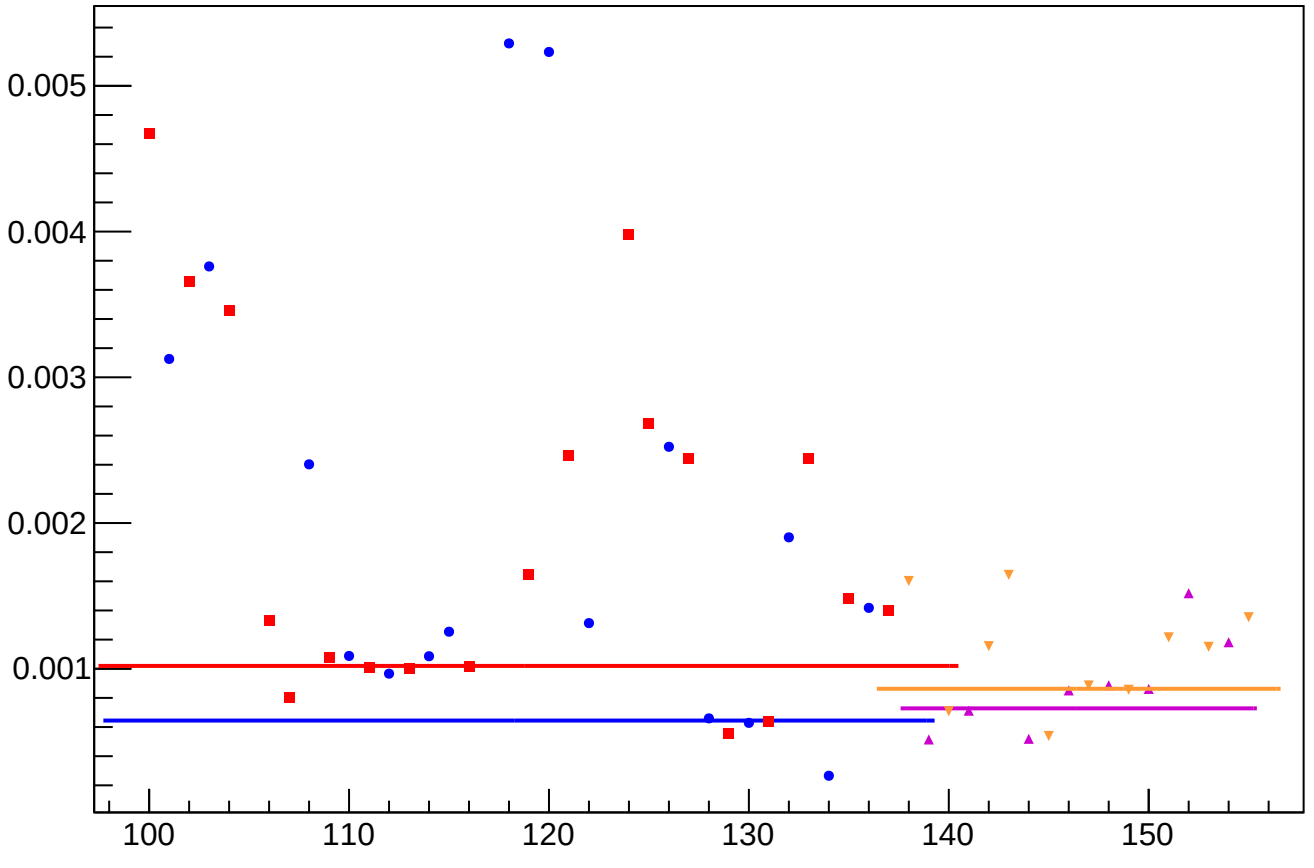
Left: 0.000+/-0.000 χ^2/NDF: 34.4/17

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:27.1/23

Out: 0.000+/-0.000 χ^2/NDF:43.7/28

All: 0.000+/-0.000 χ^2/NDF: 78.4/52



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1820687.1/9

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:1202346.1/7

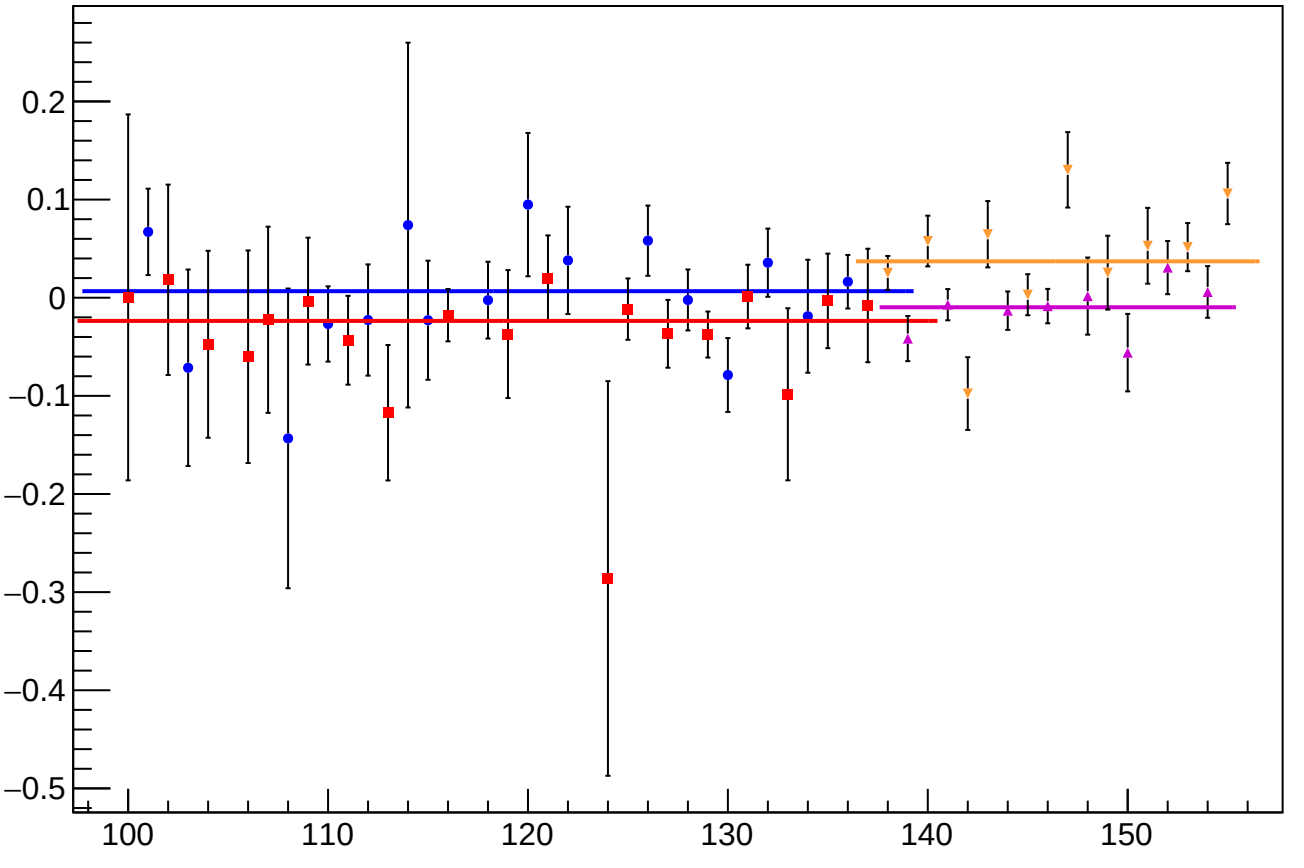
Left: 0.001+/-0.000 χ^2/NDF: 3200956.2/17

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:7845467.6/23

Out: 0.001+/-0.000 χ^2/NDF:5639795.4/28

All: 0.001+/-0.000 χ^2/NDF: 14323594.4/52



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.037+/-0.009 χ^2/NDF:29.0/9

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.010+/-0.008 χ^2/NDF:6.0/7

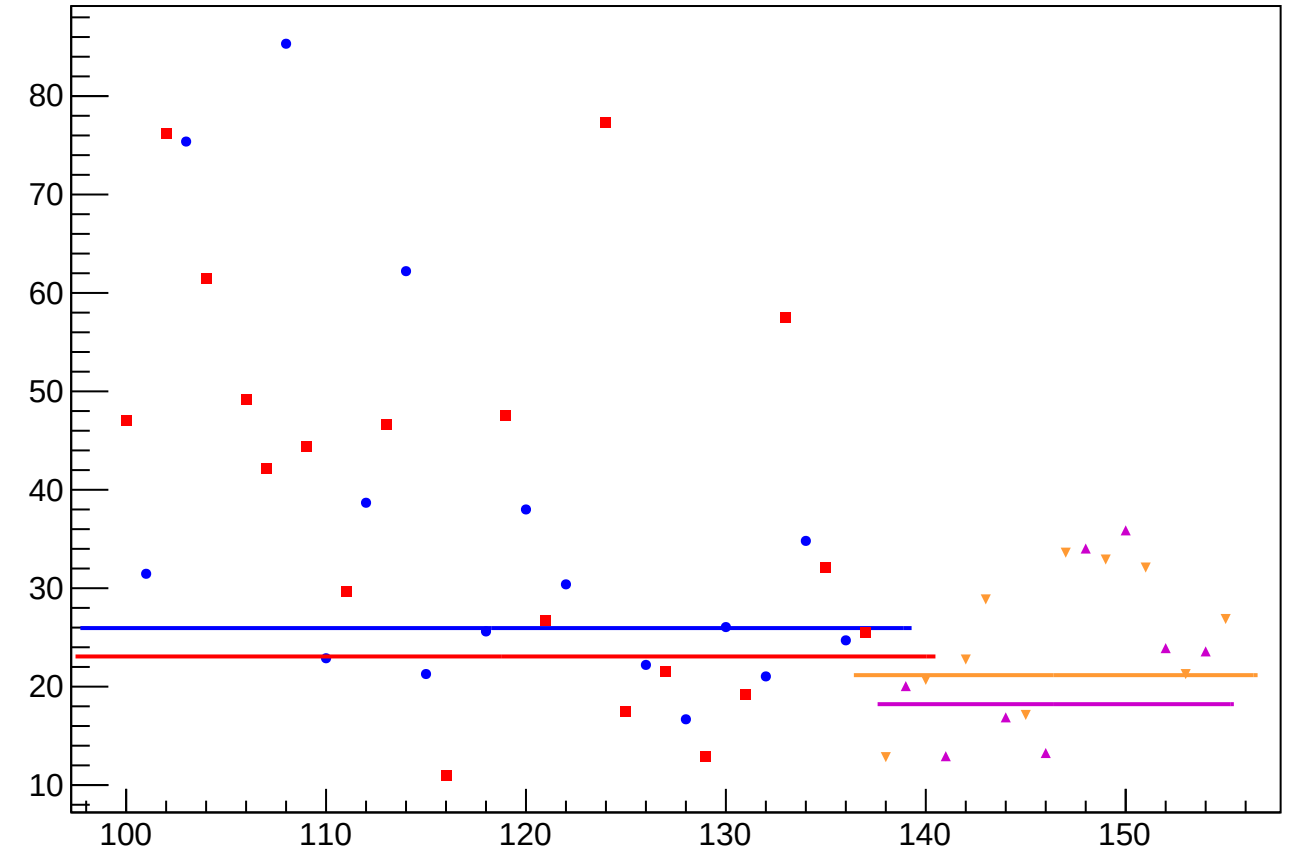
Left: 0.012+/-0.006 χ^2/NDF: 51.0/17

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.006 χ^2/NDF:22.5/23

Out: 0.013+/-0.007 χ^2/NDF:56.5/28

All: 0.004+/-0.005 χ^2/NDF: 82.3/52



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 21.167+/-0.006 χ^2/NDF:1280427.7/9

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 18.219+/-0.006 χ^2/NDF:1298700.9/7

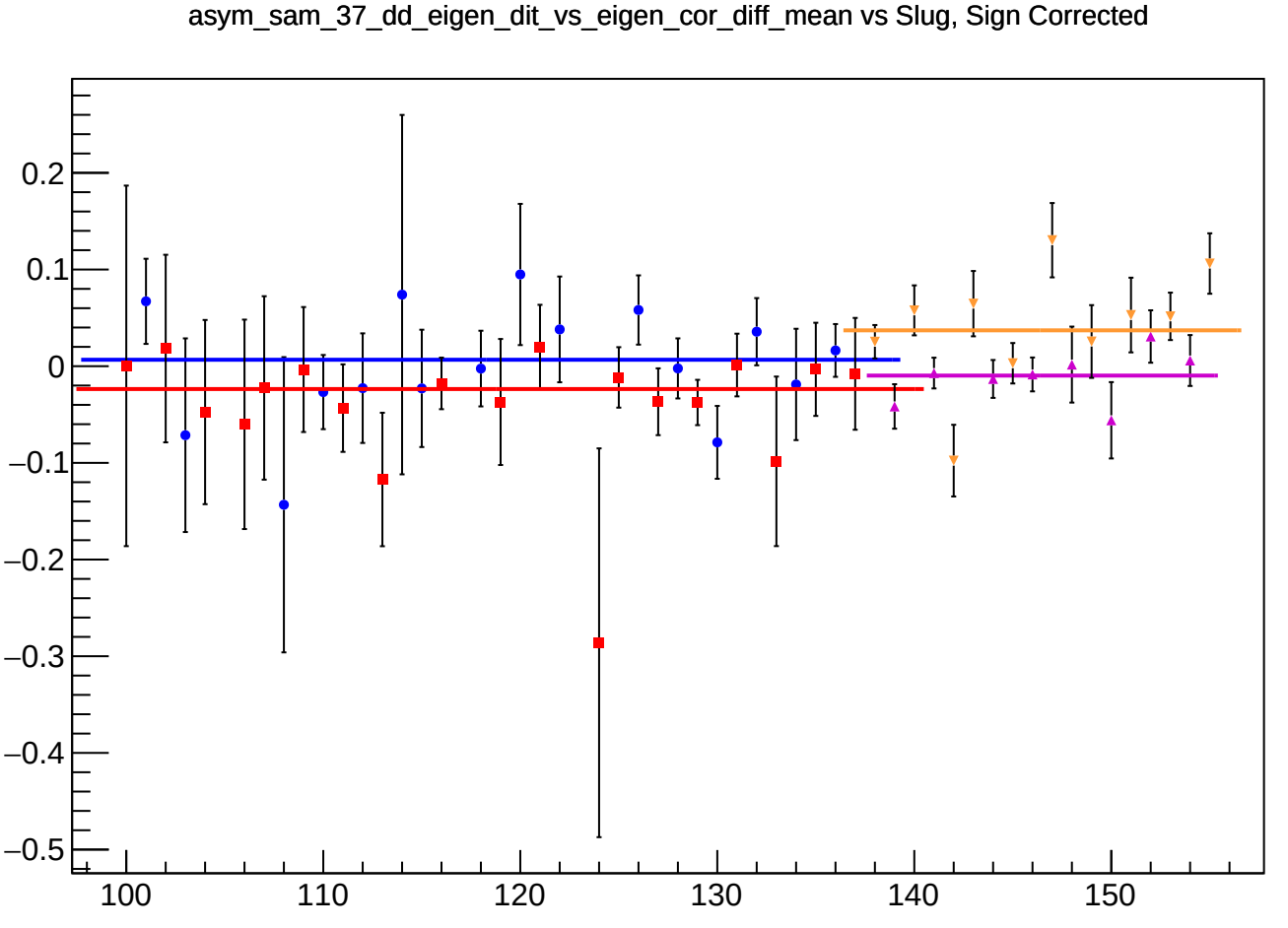
Left: 19.577+/-0.004 χ^2/NDF: 2705604.7/17

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 20.843+/-0.005 χ^2/NDF:3321147.4/23

Out: 21.931+/-0.005 χ^2/NDF:4680192.8/28

All: 21.371+/-0.003 χ^2/NDF: 8028804.5/52



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.037+/-0.009 χ^2/NDF:29.0/9

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.010+/-0.008 χ^2/NDF:6.0/7

Left: 0.012+/-0.006 χ^2/NDF: 51.0/17

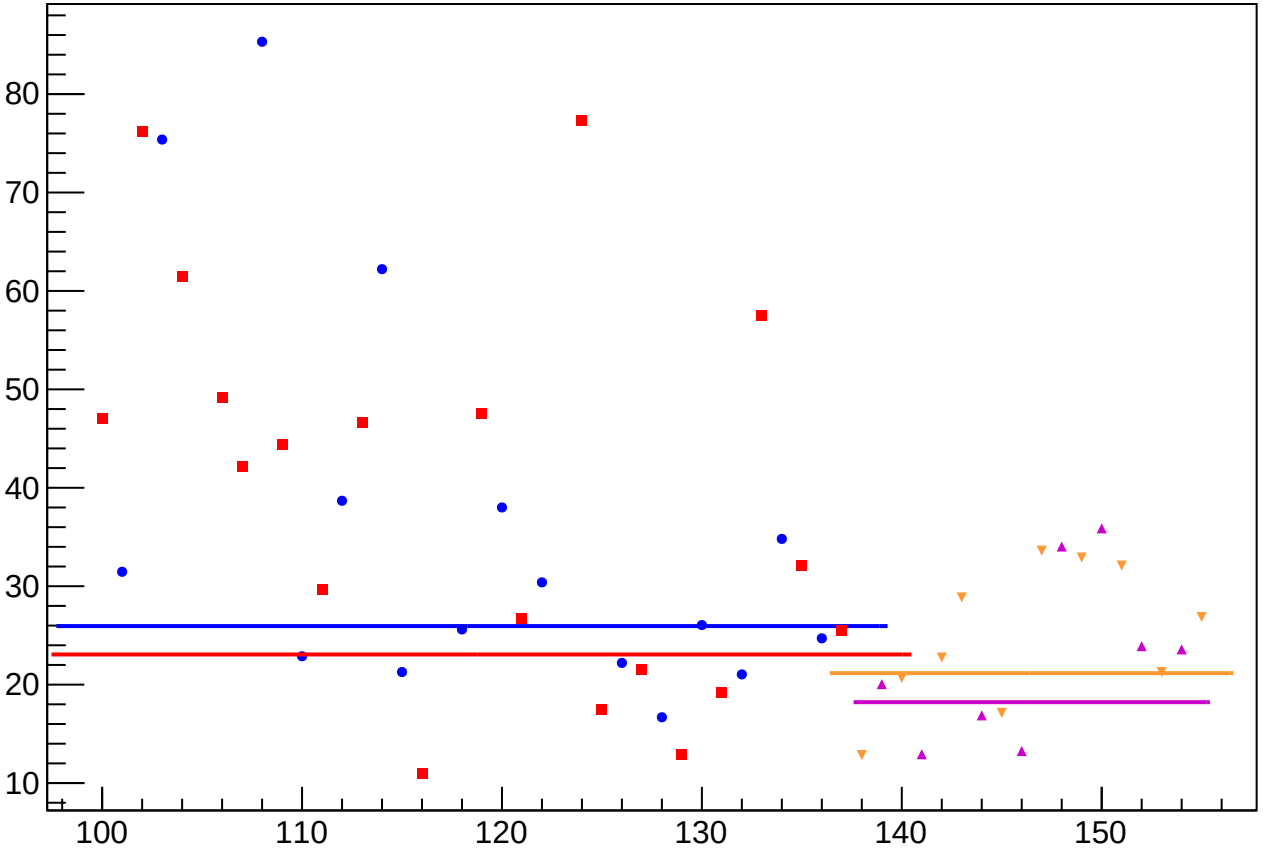
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.006 χ^2/NDF:22.5/23

Out: 0.013+/-0.007 χ^2/NDF:56.5/28

All: 0.004+/-0.005 χ^2/NDF: 82.3/52

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: 21.167+/-0.006 χ^2/NDF:1280427.7/9

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 18.219+/-0.006 χ^2/NDF:1298700.9/7

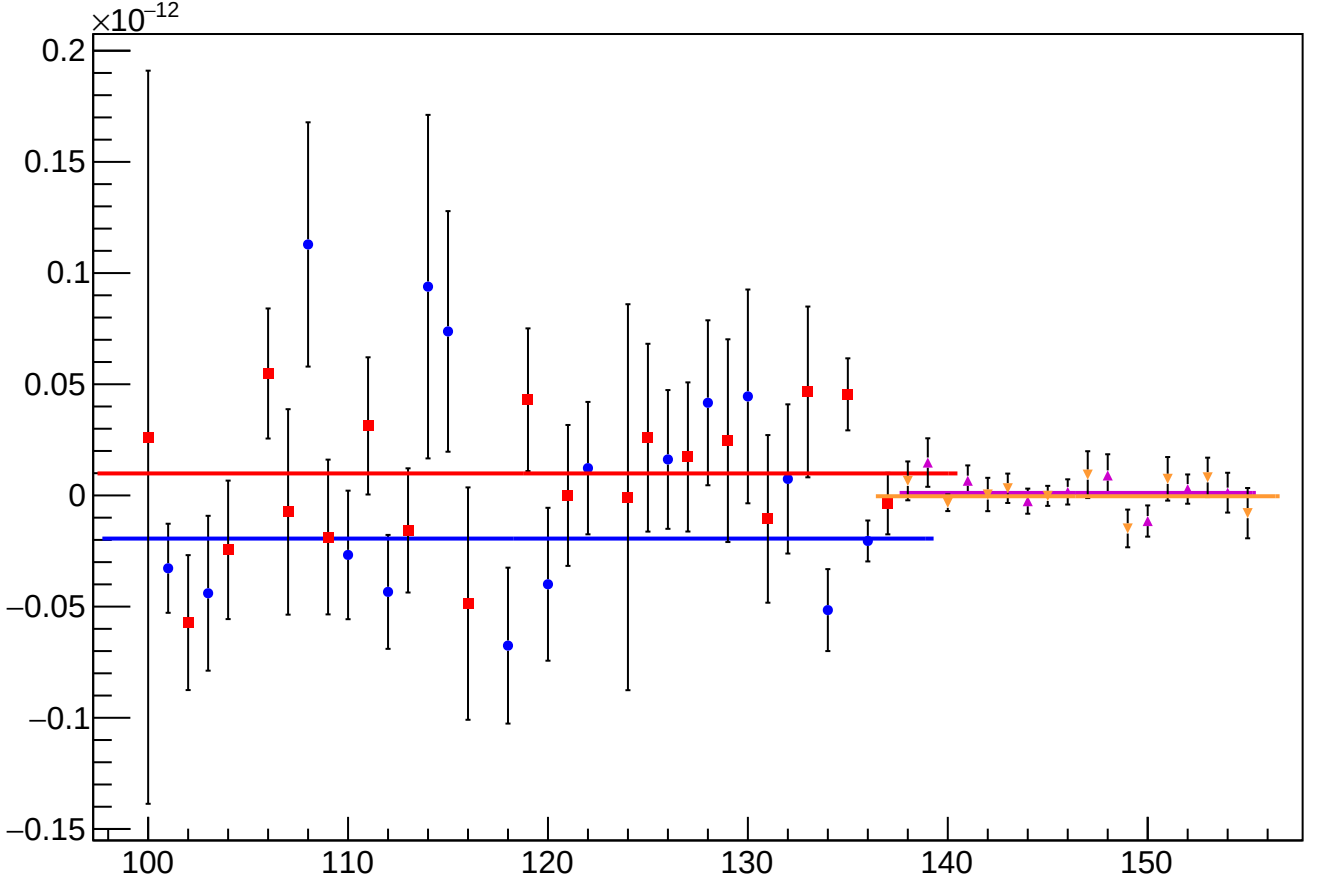
Left: 19.577+/-0.004 χ^2/NDF: 2705604.7/17

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 20.843+/-0.005 χ^2/NDF:3321147.4/23

Out: 21.931+/-0.005 χ^2/NDF:4680192.8/28

All: 21.371+/-0.003 χ^2/NDF: 8028804.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/7

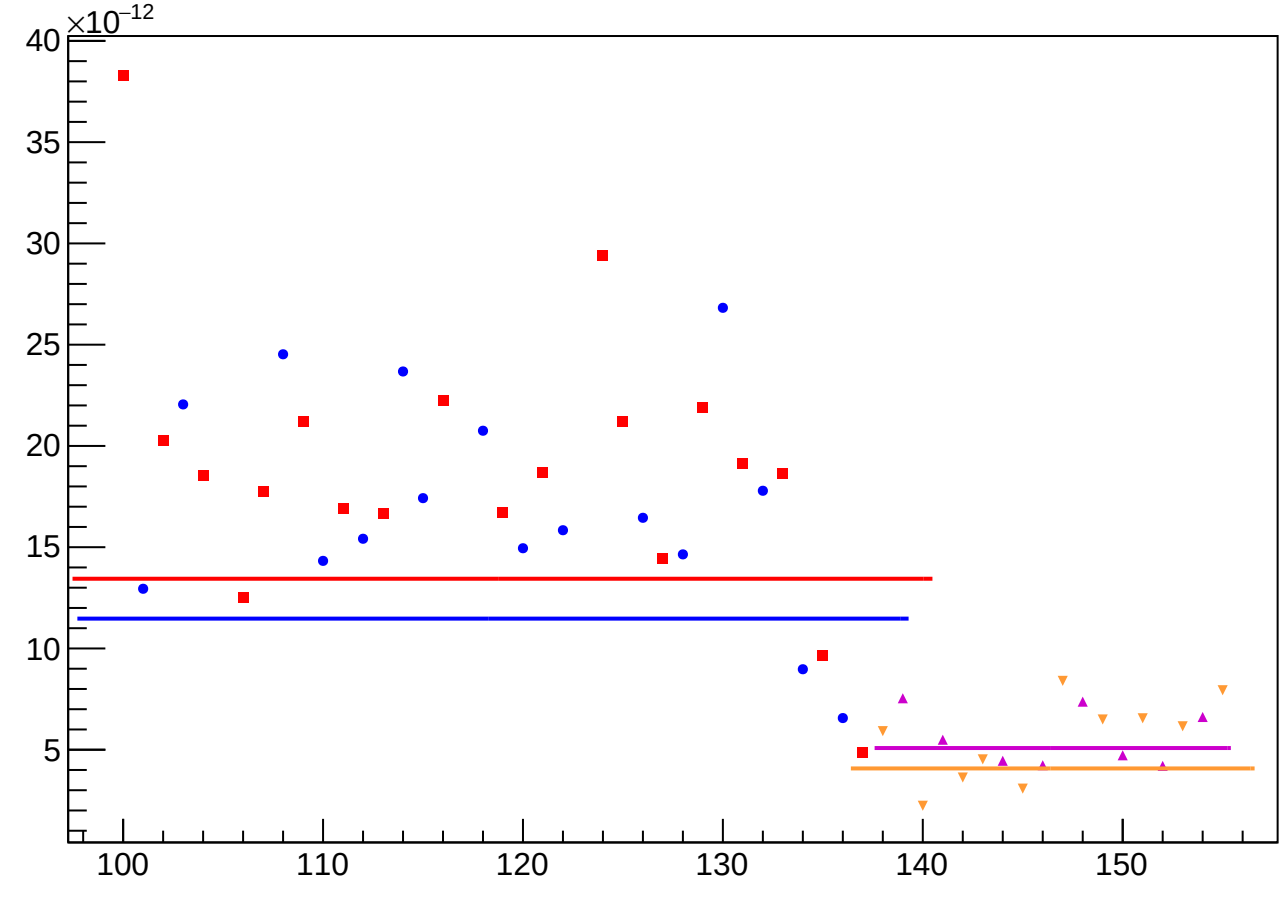
Left: 0.000+/-0.000 χ^2/NDF: 14.2/17

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:42.2/23

Out: 0.000+/-0.000 χ^2/NDF:29.8/28

All: -0.000+/-0.000 χ^2/NDF: 72.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1661271.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:393476.8/7

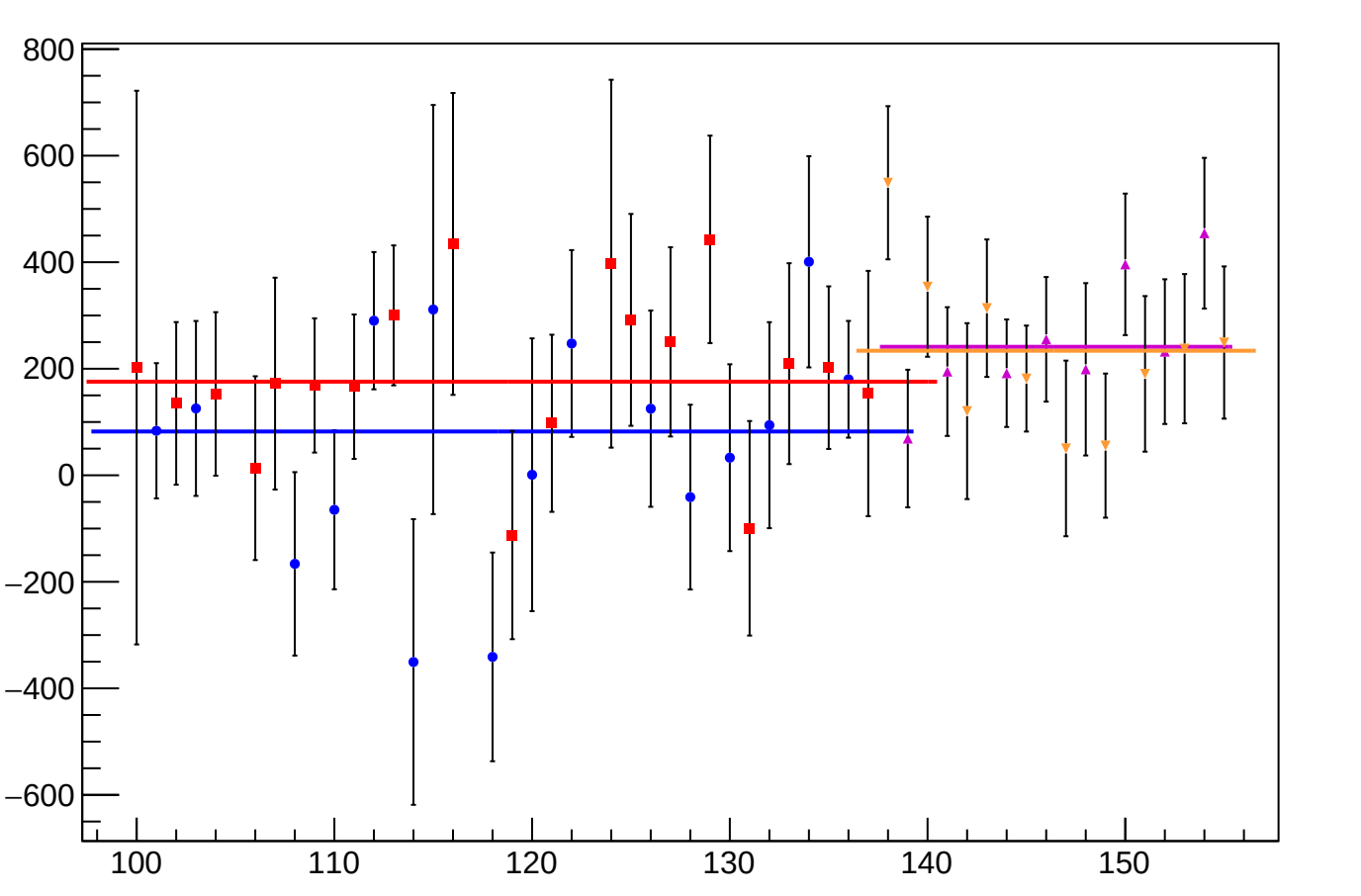
Left: 0.000+/-0.000 χ^2/NDF: 2244999.7/17

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:3905590.7/23

Out: 0.000+/-0.000 χ^2/NDF:6822021.9/28

All: 0.000+/-0.000 χ^2/NDF: 11003759.3/52



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.785+/-42.943 χ^2/NDF:9.8/9

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 241.142+/-44.775 χ^2/NDF:5.9/7

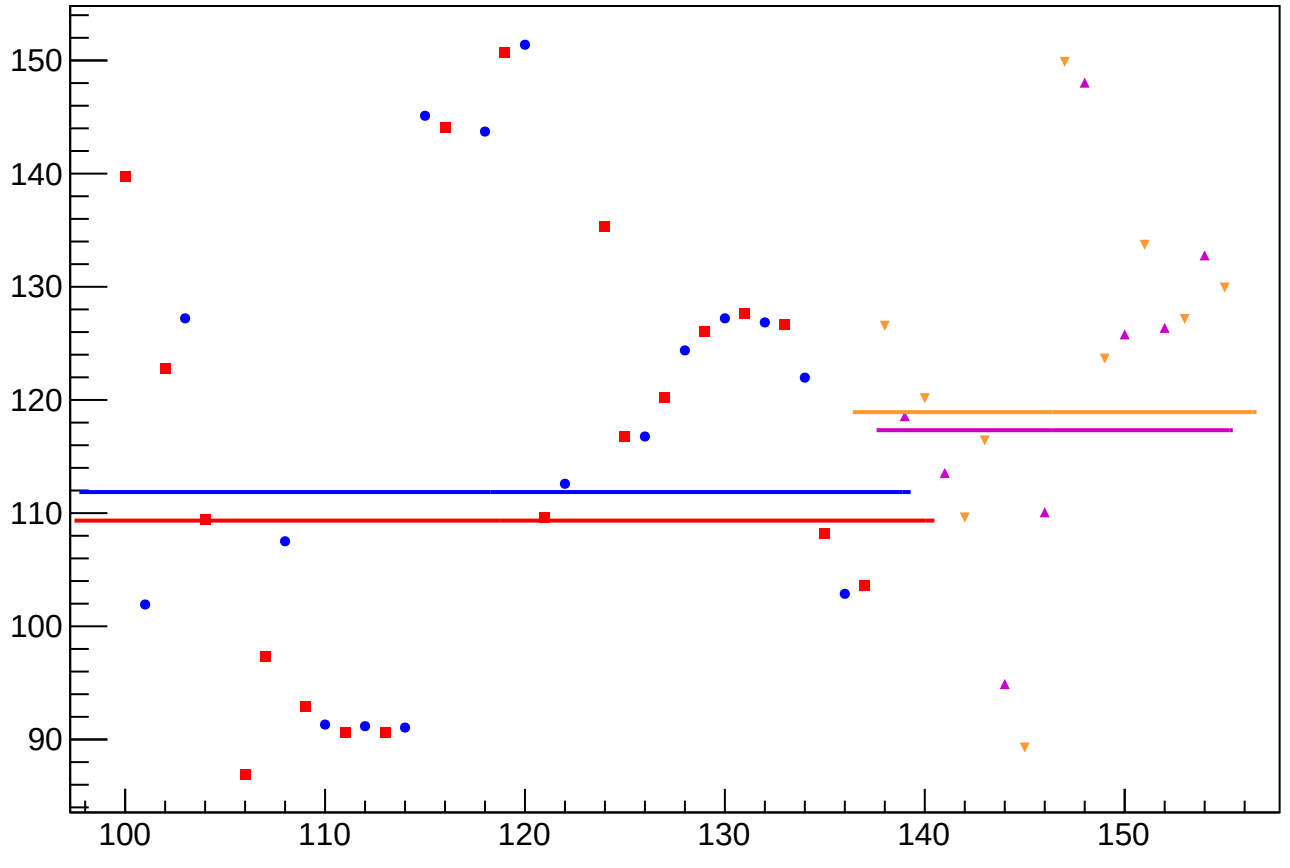
Left: 237.310+/-30.993 χ^2/NDF: 15.7/17

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 156.841+/-30.684 χ^2/NDF:30.9/23

Out: 203.183+/-29.530 χ^2/NDF:20.7/28

All: 180.900+/-21.277 χ^2/NDF: 52.8/52



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 118.926+/-0.030 χ^2/NDF:302705.2/9

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 117.328+/-0.032 χ^2/NDF:221562.7/7

Left: 118.160+/-0.022 χ^2/NDF: 525595.2/17

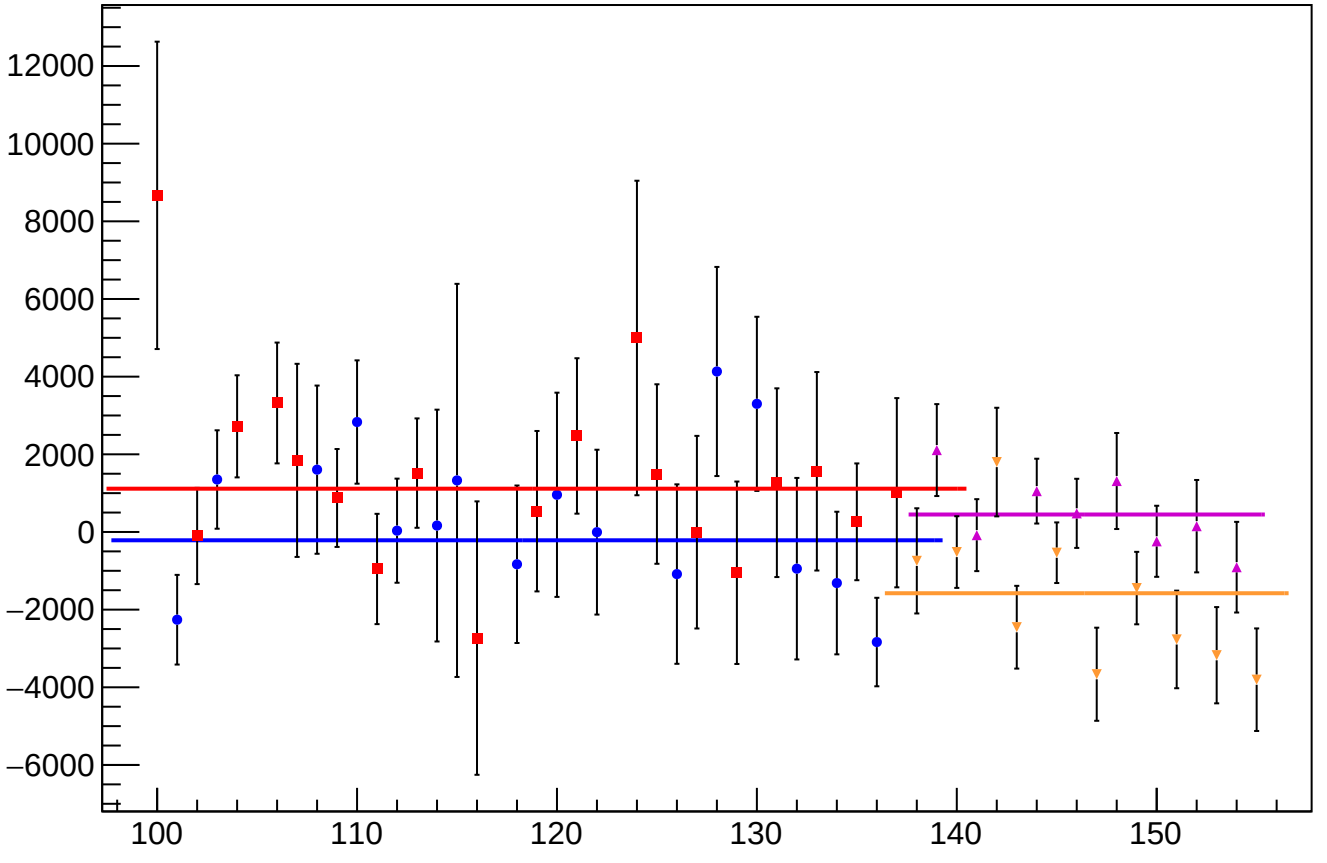
Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 114.429+/-0.022 χ^2/NDF:543393.4/23

Out: 113.873+/-0.021 χ^2/NDF:722457.1/28

All: 114.140+/-0.015 χ^2/NDF: 1266191.1/52

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: -1577.543+/-343.905 χ^2/NDF:18.4/9

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 449.792+/-356.569 χ^2/NDF:5.3/7

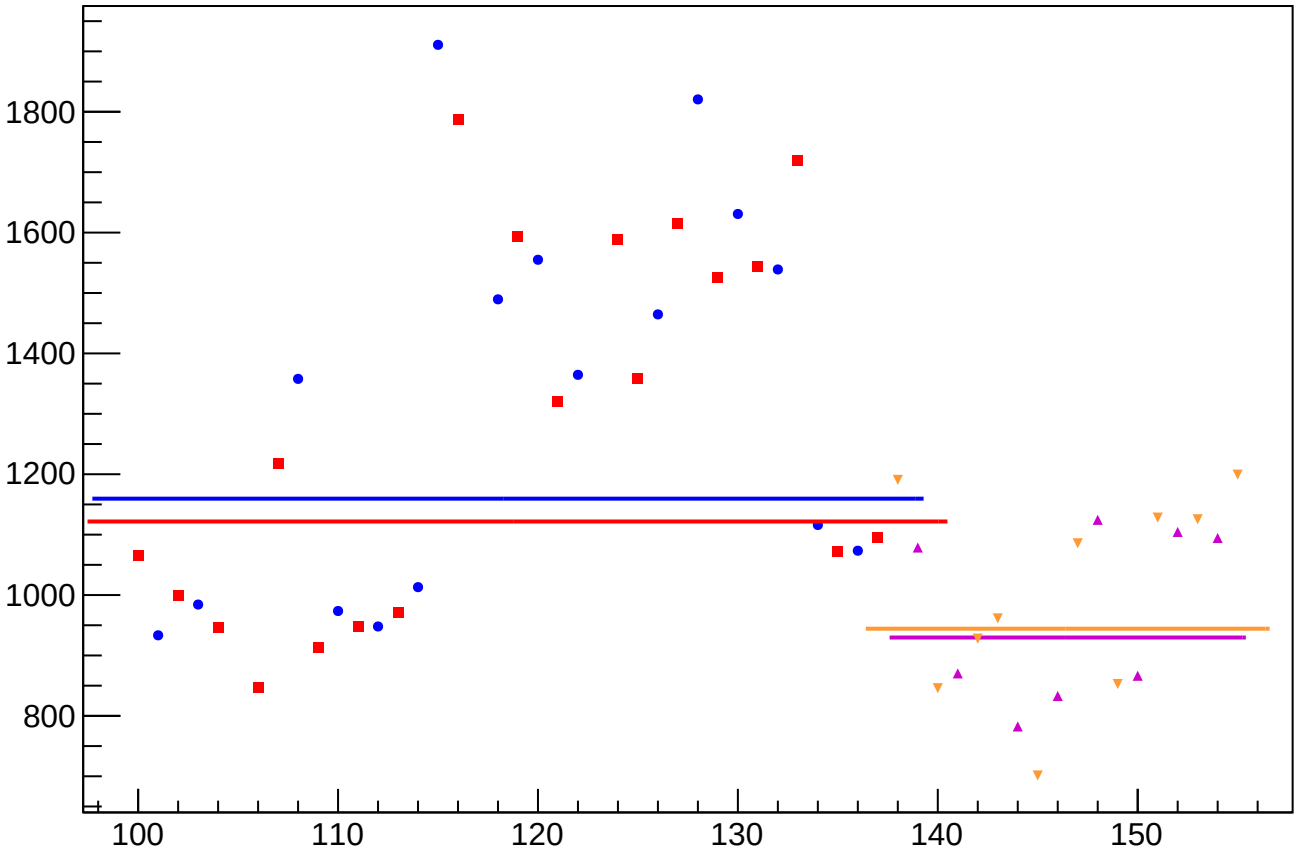
Left: -600.514+/-247.534 χ^2/NDF: 40.5/17

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 189.435+/-278.005 χ^2/NDF:27.1/23

Out: -506.282+/-266.852 χ^2/NDF:57.4/28

All: -172.659+/-192.515 χ^2/NDF: 87.7/52



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 944.318+/-0.243 χ^2/NDF:490758.0/9

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 929.694+/-0.252 χ^2/NDF:268010.1/7

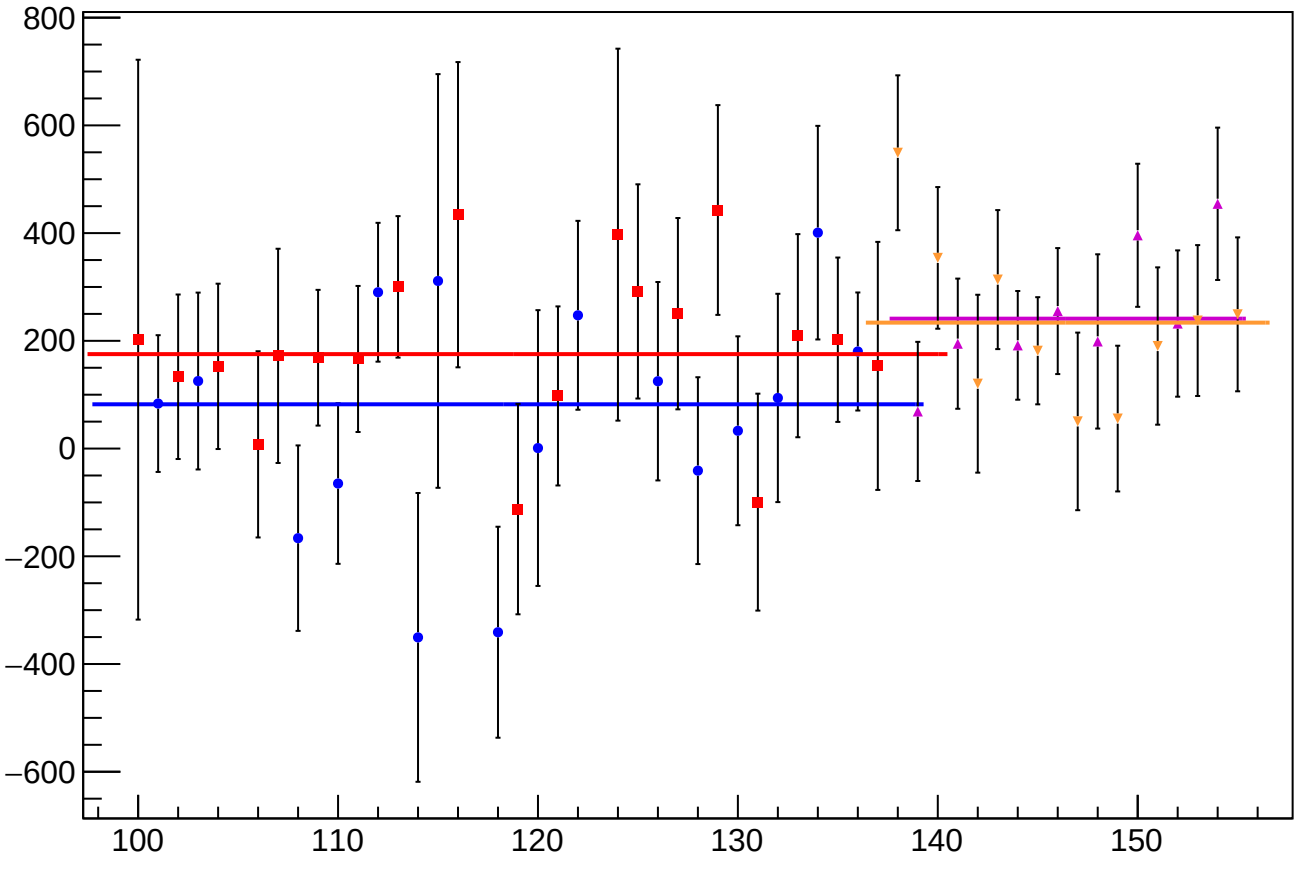
Left: 937.270+/-0.175 χ^2/NDF: 760511.0/17

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1019.831+/-0.197 χ^2/NDF:1277640.0/23

Out: 1014.920+/-0.189 χ^2/NDF:1484870.4/28

All: 1017.275+/-0.136 χ^2/NDF: 2762835.3/52



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.793+/-42.943 χ^2/NDF:9.8/9

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 241.142+/-44.775 χ^2/NDF:5.9/7

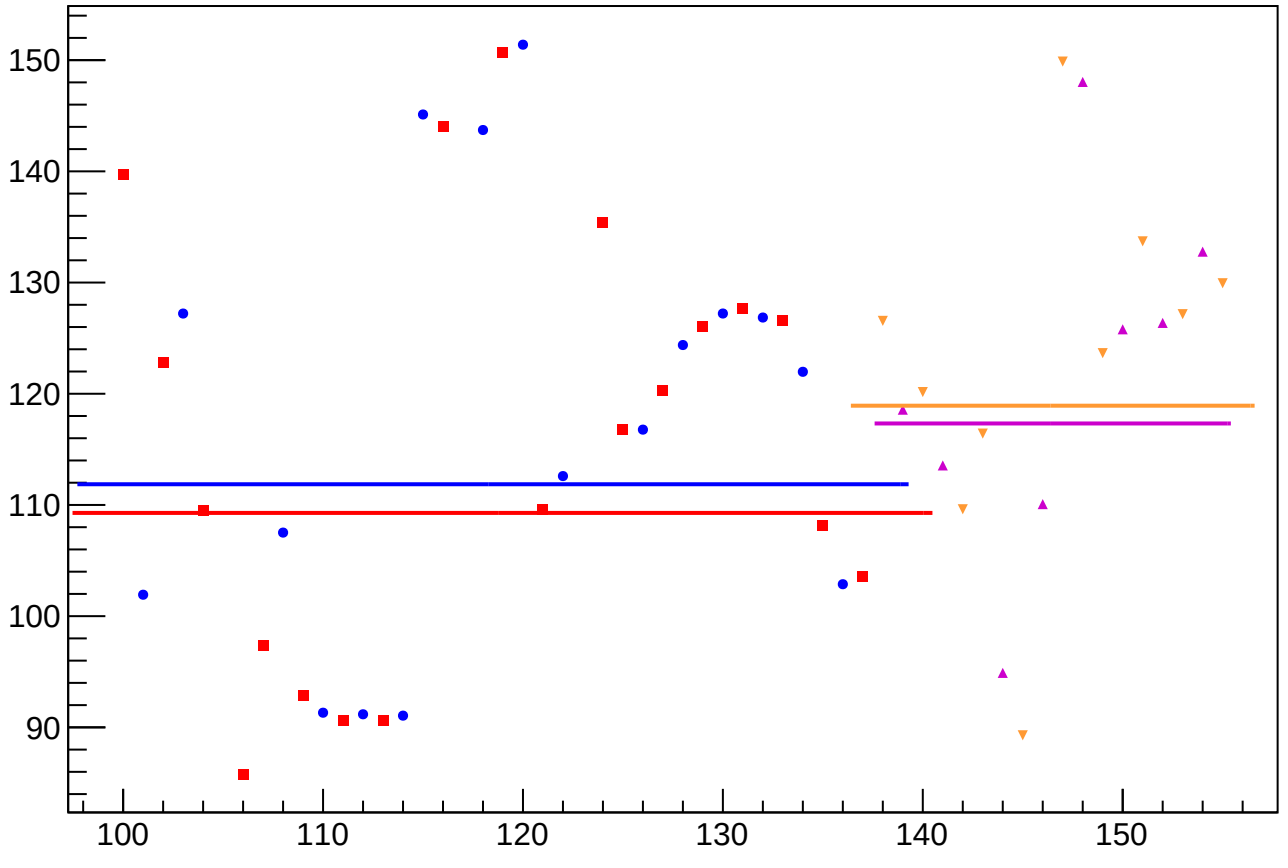
Left: 237.314+/-30.993 χ^2/NDF: 15.7/17

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 156.835+/-30.684 χ^2/NDF:30.9/23

Out: 202.984+/-29.532 χ^2/NDF:20.8/28

All: 180.792+/-21.278 χ^2/NDF: 52.9/52



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 118.926+/-0.030 χ^2/NDF:302705.2/9

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 117.328+/-0.032 χ^2/NDF:221562.7/7

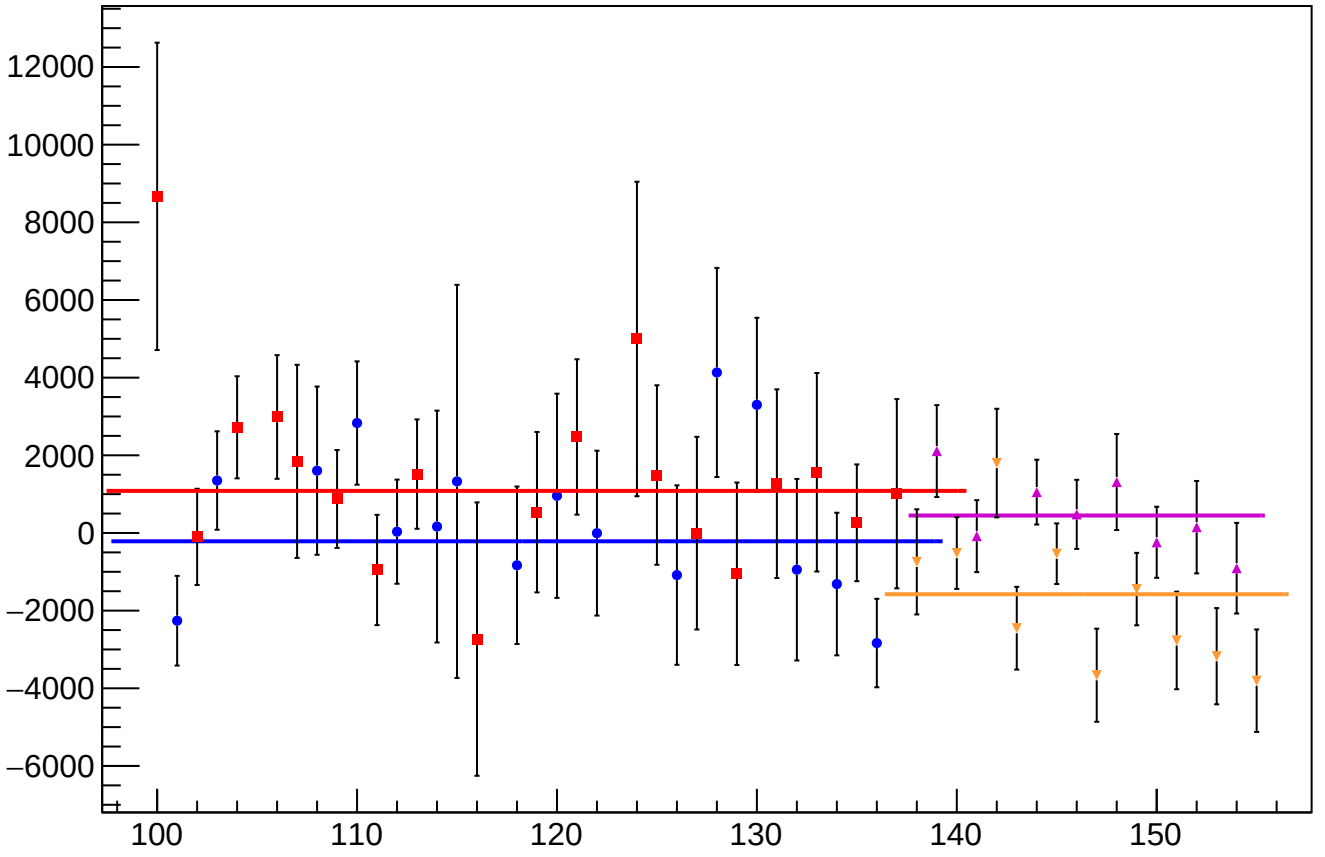
Left: 118.160+/-0.022 χ^2/NDF: 525595.2/17

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 114.429+/-0.022 χ^2/NDF:543394.4/23

Out: 113.844+/-0.021 χ^2/NDF:726558.8/28

All: 114.125+/-0.015 χ^2/NDF: 1270330.3/52



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1577.537+/-343.905 χ^2/NDF:18.4/9

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 449.797+/-356.569 χ^2/NDF:5.3/7

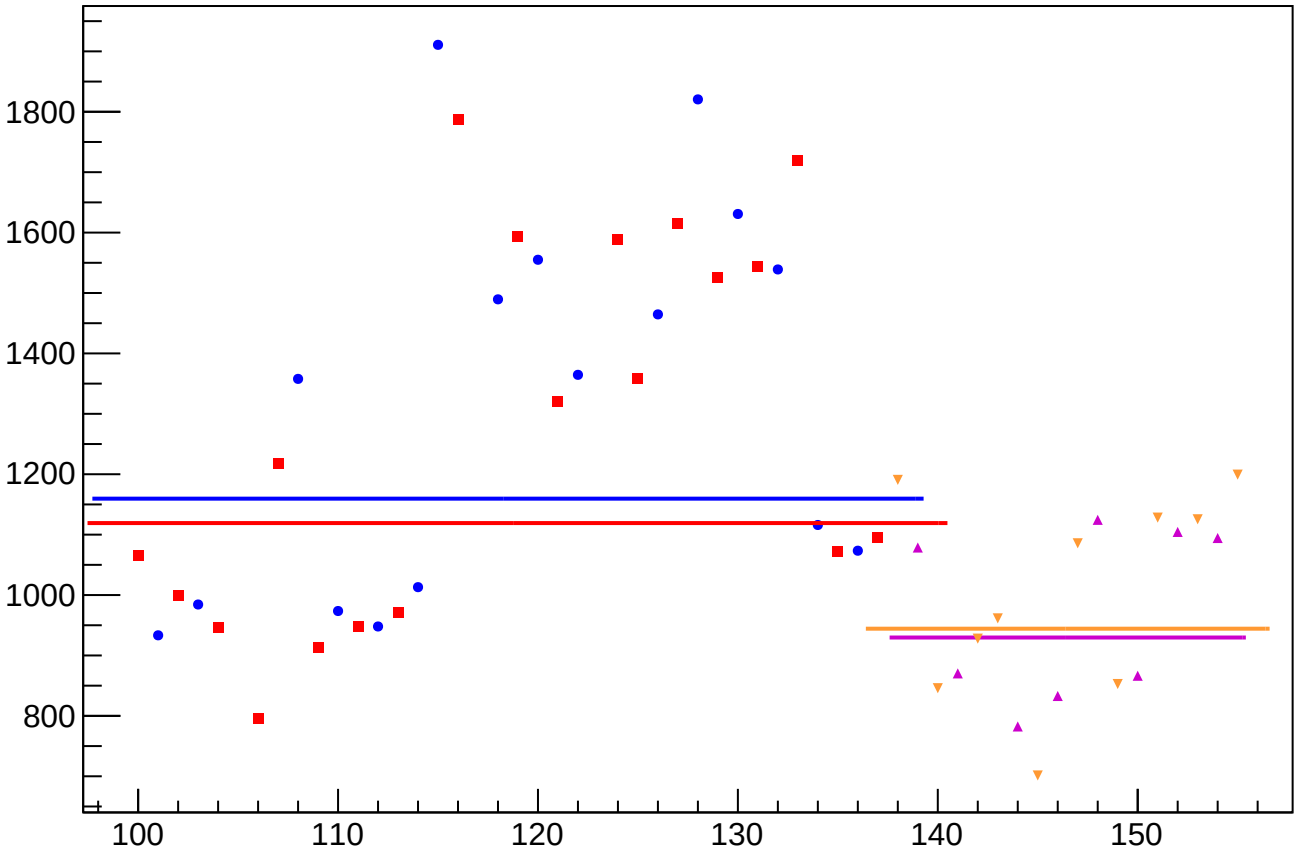
Left: -600.509+/-247.534 χ^2/NDF: 40.5/17

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 189.404+/-278.006 χ^2/NDF:27.1/23

Out: -520.732+/-267.037 χ^2/NDF:56.1/28

All: -179.950+/-192.585 χ^2/NDF: 86.6/52



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 944.318+/-0.243 χ^2/NDF:490760.3/9

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 929.695+/-0.252 χ^2/NDF:268008.0/7

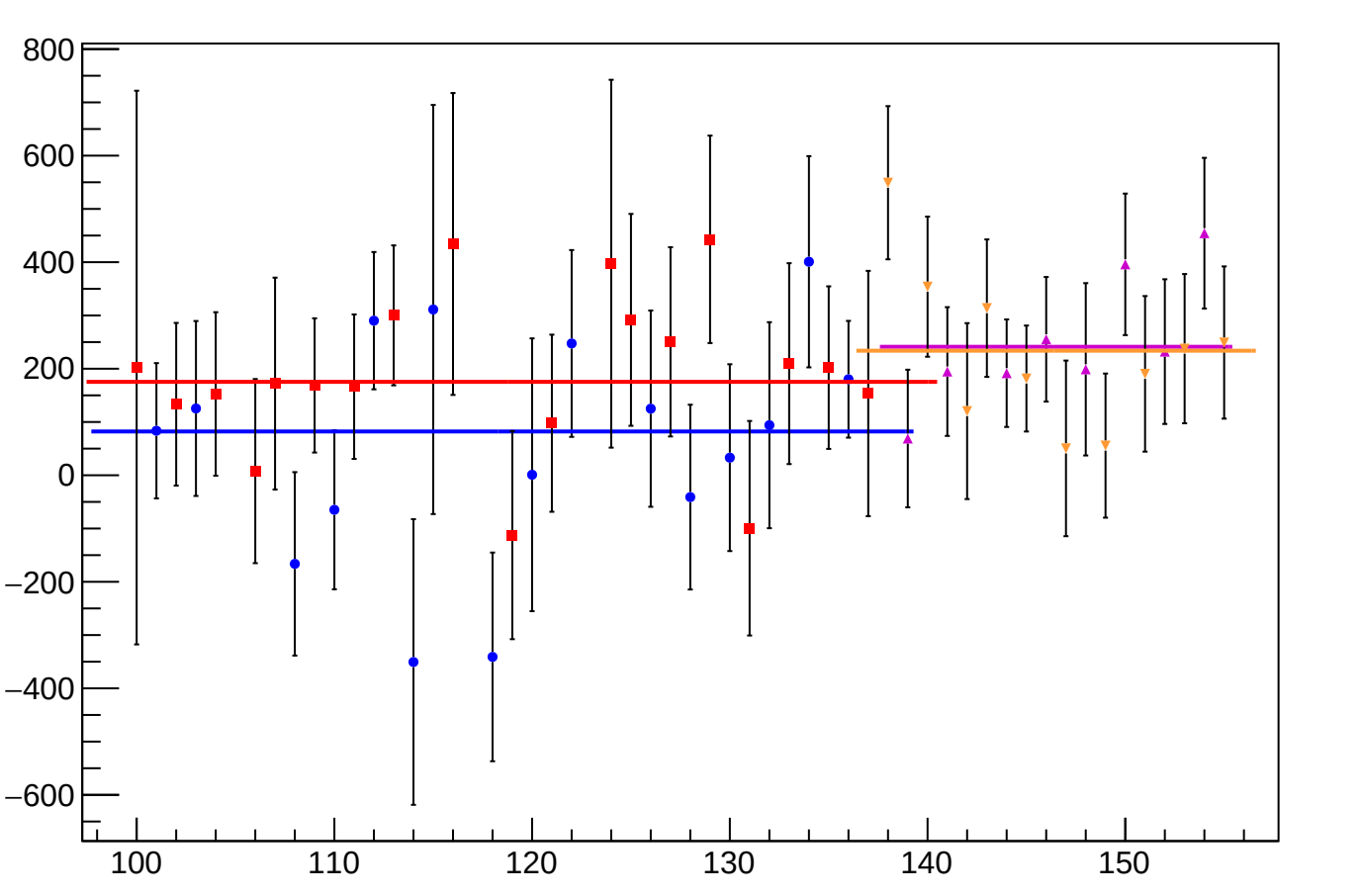
Left: 937.270+/-0.175 χ^2/NDF: 760510.9/17

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1019.834+/-0.197 χ^2/NDF:1277630.1/23

Out: 1013.741+/-0.189 χ^2/NDF:1499170.7/28

All: 1016.665+/-0.136 χ^2/NDF: 2777300.5/52



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 233.793+/-42.943 χ^2/NDF:9.8/9

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 241.142+/-44.775 χ^2/NDF:5.9/7

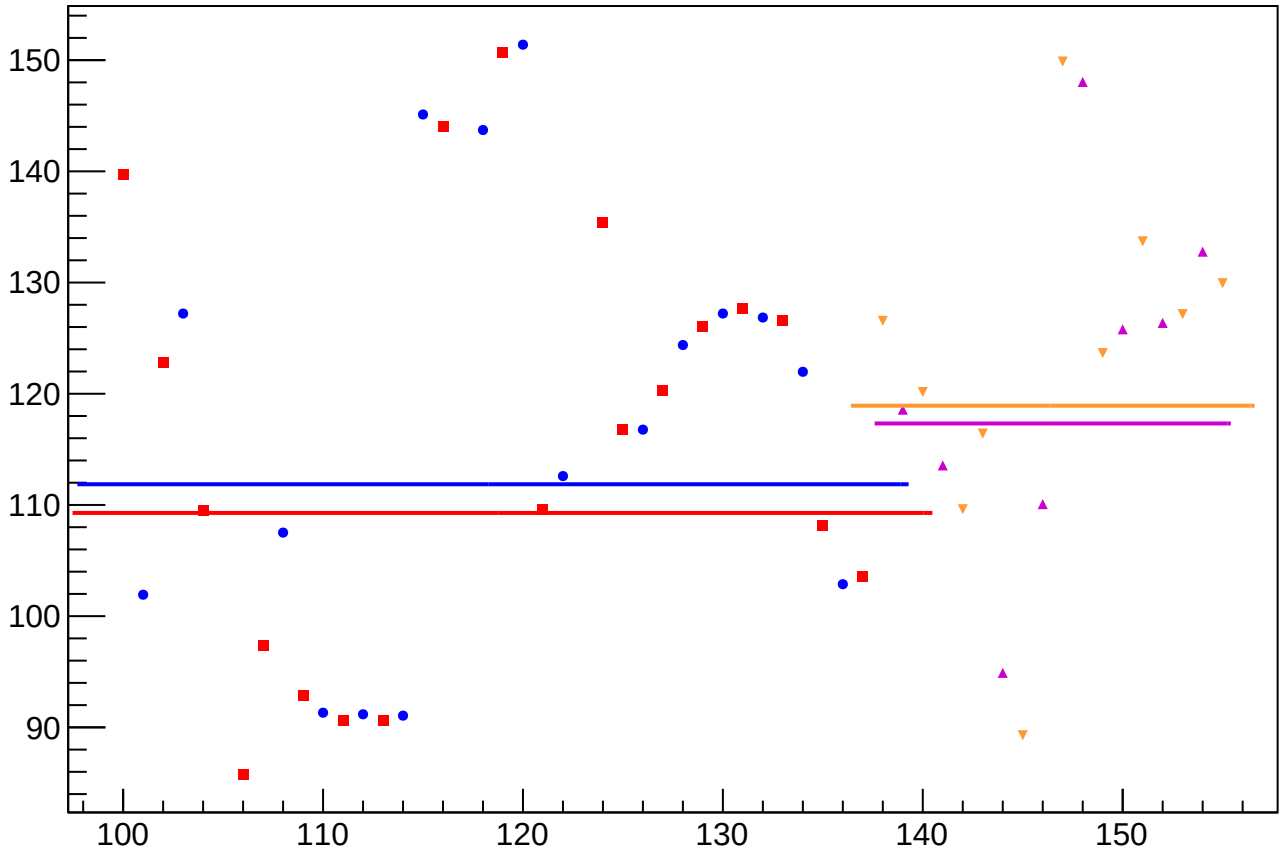
Left: 237.314+/-30.993 χ^2/NDF: 15.7/17

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 156.835+/-30.684 χ^2/NDF:30.9/23

Out: 202.984+/-29.532 χ^2/NDF:20.8/28

All: 180.792+/-21.278 χ^2/NDF: 52.9/52



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 118.926+/-0.030 χ^2/NDF:302705.2/9

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 117.328+/-0.032 χ^2/NDF:221562.7/7

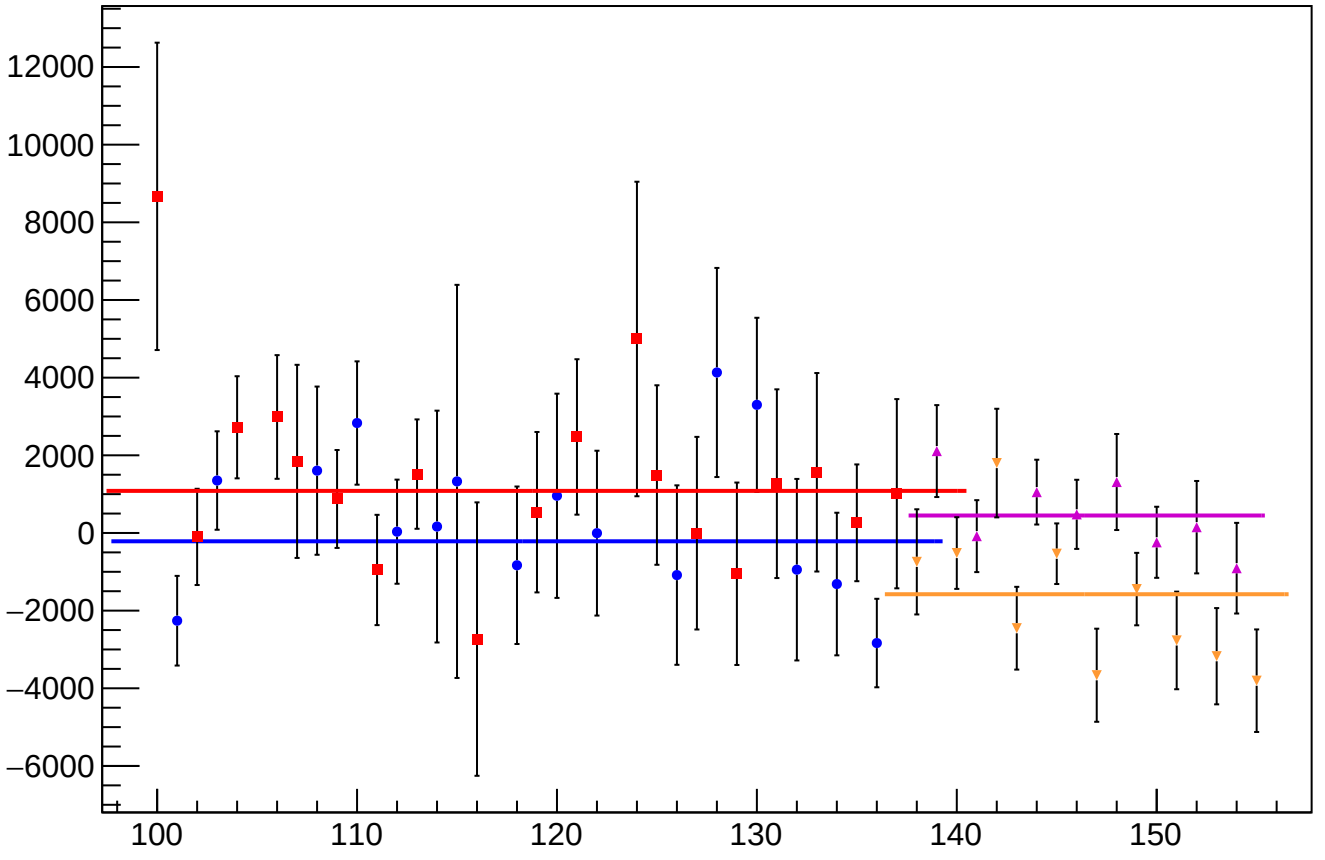
Left: 118.160+/-0.022 χ^2/NDF: 525595.2/17

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 114.429+/-0.022 χ^2/NDF:543394.4/23

Out: 113.844+/-0.021 χ^2/NDF:726558.8/28

All: 114.125+/-0.015 χ^2/NDF: 1270330.3/52



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1577.537+/-343.905 χ^2/NDF:18.4/9

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 449.797+/-356.569 χ^2/NDF:5.3/7

Left: -600.509+/-247.534 χ^2/NDF: 40.5/17

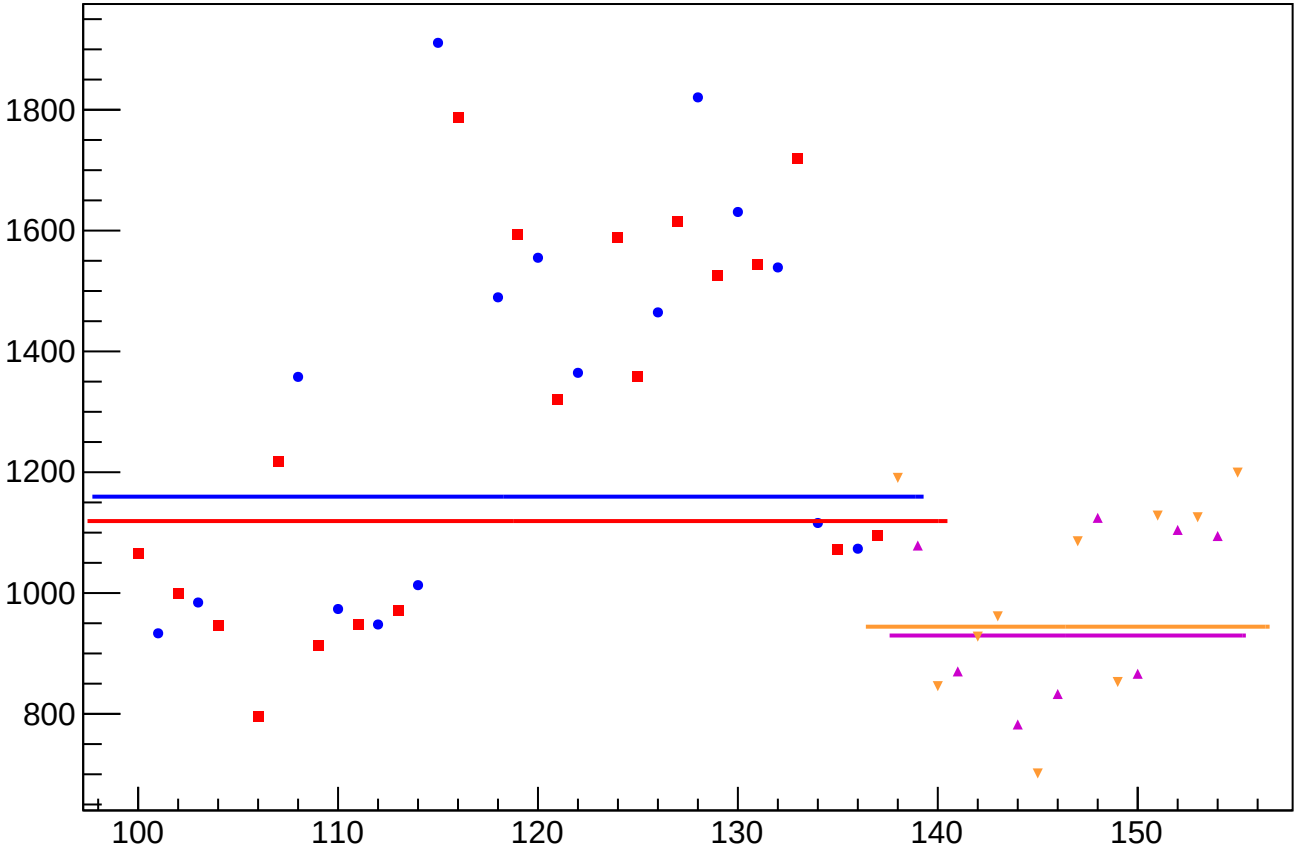
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 189.404+/-278.006 χ^2/NDF:27.1/23

Out: -520.732+/-267.037 χ^2/NDF:56.1/28

All: -179.950+/-192.585 χ^2/NDF: 86.6/52

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 944.318+/-0.243 χ^2/NDF:490760.3/9

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 929.695+/-0.252 χ^2/NDF:268008.0/7

Left: 937.270+/-0.175 χ^2/NDF: 760510.9/17

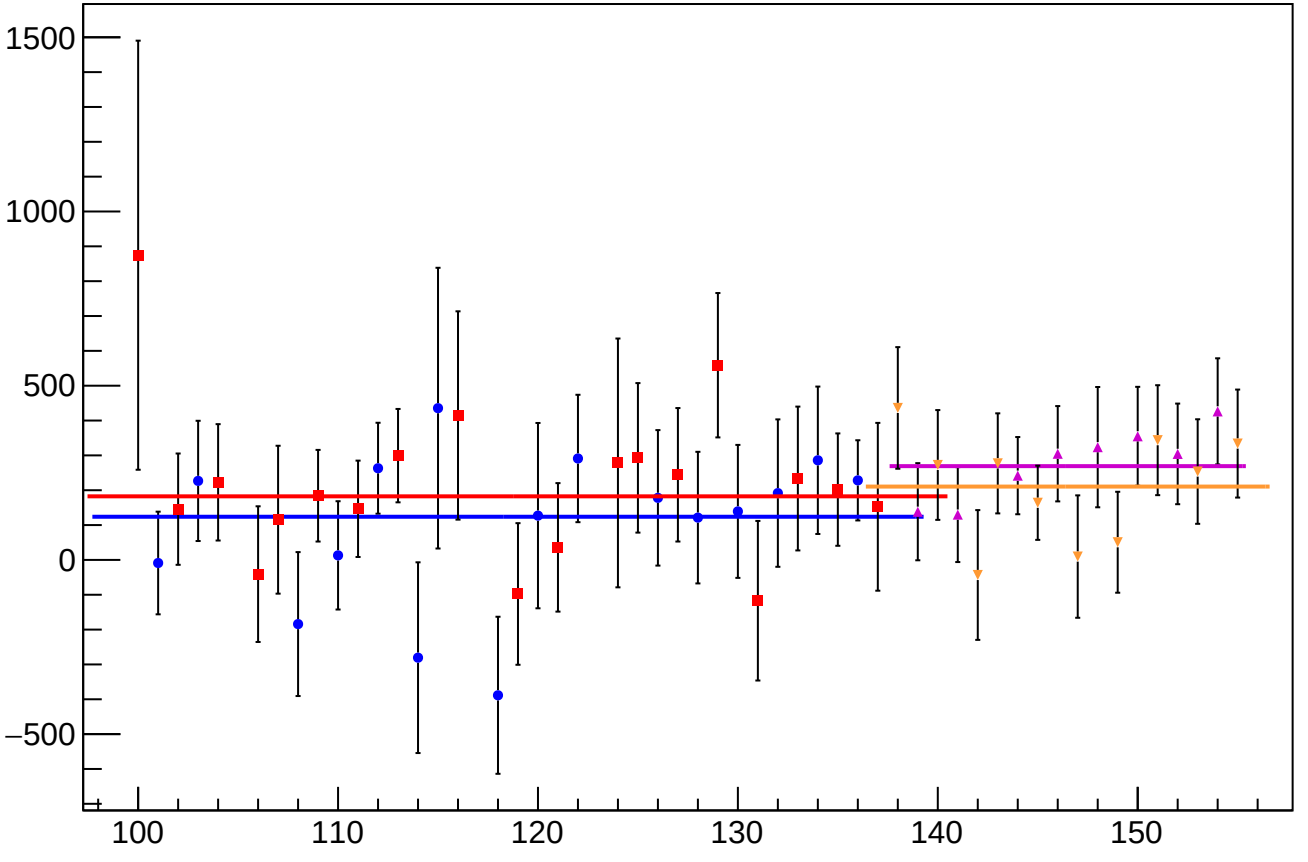
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1019.834+/-0.197 χ^2/NDF:1277630.1/23

Out: 1013.741+/-0.189 χ^2/NDF:1499170.7/28

All: 1016.665+/-0.136 χ^2/NDF: 2777300.5/52

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.485+/-47.407 χ^2/NDF:8.0/9

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 269.137+/-49.115 χ^2/NDF:3.6/7

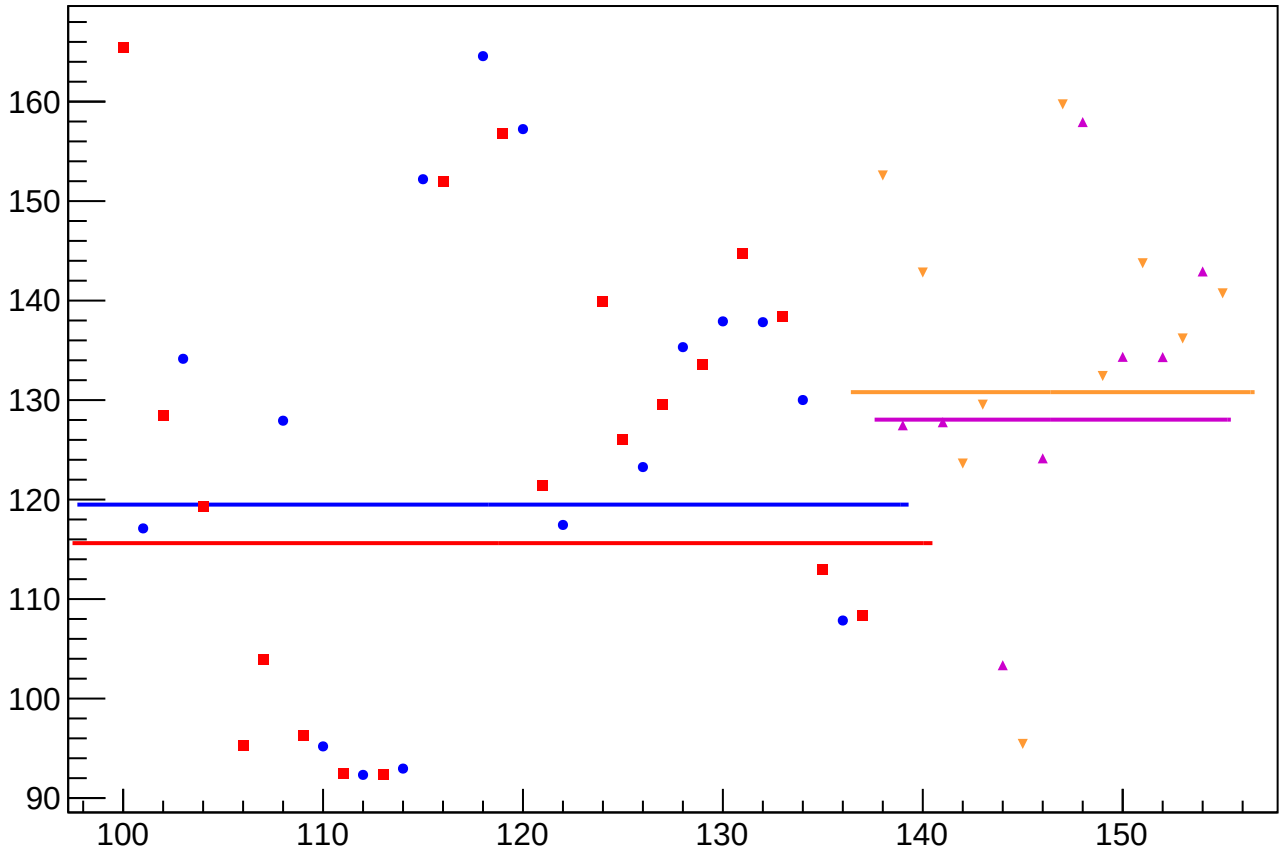
Left: 238.774+/-34.109 χ^2/NDF: 12.4/17

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 190.557+/-33.274 χ^2/NDF:23.8/23

Out: 195.186+/-31.941 χ^2/NDF:20.5/28

All: 192.966+/-23.042 χ^2/NDF: 44.3/52



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 130.798+/-0.034 χ^2/NDF:345226.5/9

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 128.034+/-0.035 χ^2/NDF:187806.7/7

Left: 129.465+/-0.024 χ^2/NDF: 536312.6/17

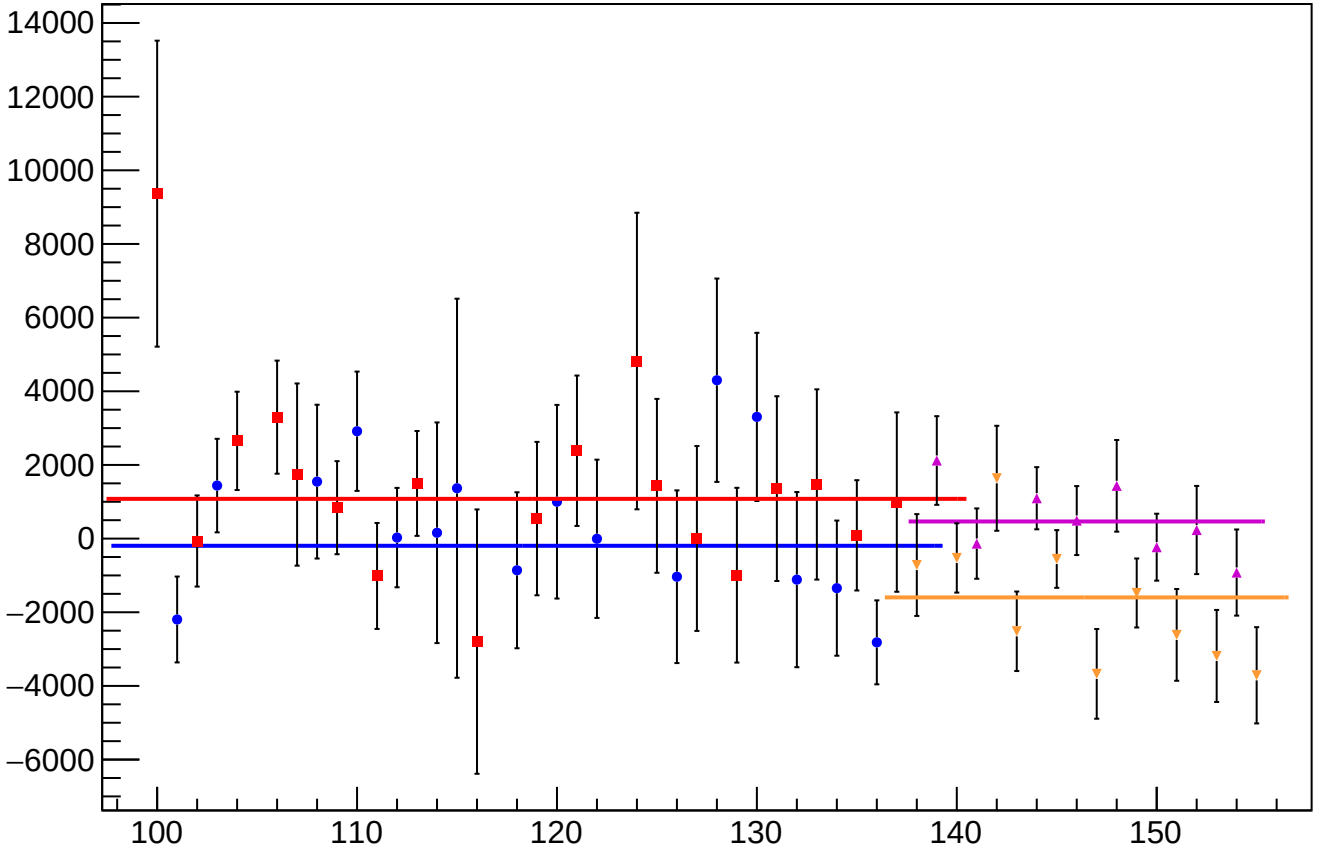
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 123.414+/-0.024 χ^2/NDF:600768.5/23

Out: 122.511+/-0.023 χ^2/NDF:884114.4/28

All: 122.944+/-0.016 χ^2/NDF: 1485649.4/52

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: -1596.595+/-346.716 χ^2/NDF:17.2/9

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 465.275+/-362.337 χ^2/NDF:5.5/7

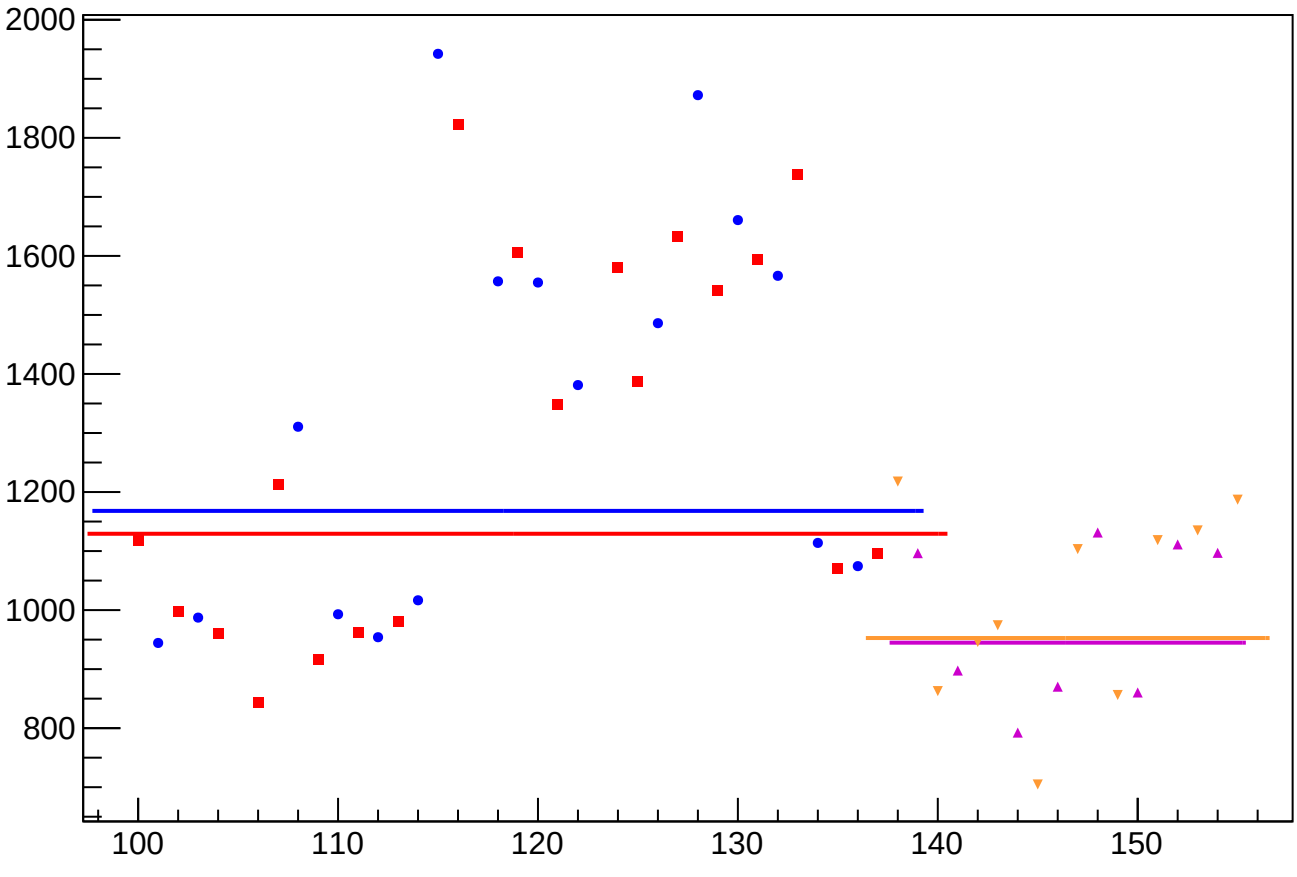
Left: -611.063+/-250.506 χ^2/NDF: 39.6/17

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 203.662+/-281.560 χ^2/NDF:27.2/23

Out: -530.159+/-268.896 χ^2/NDF:55.5/28

All: -180.122+/-194.461 χ^2/NDF: 86.2/52



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 952.700+/-0.245 χ^2/NDF:487451.5/9

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 944.820+/-0.256 χ^2/NDF:249177.4/7

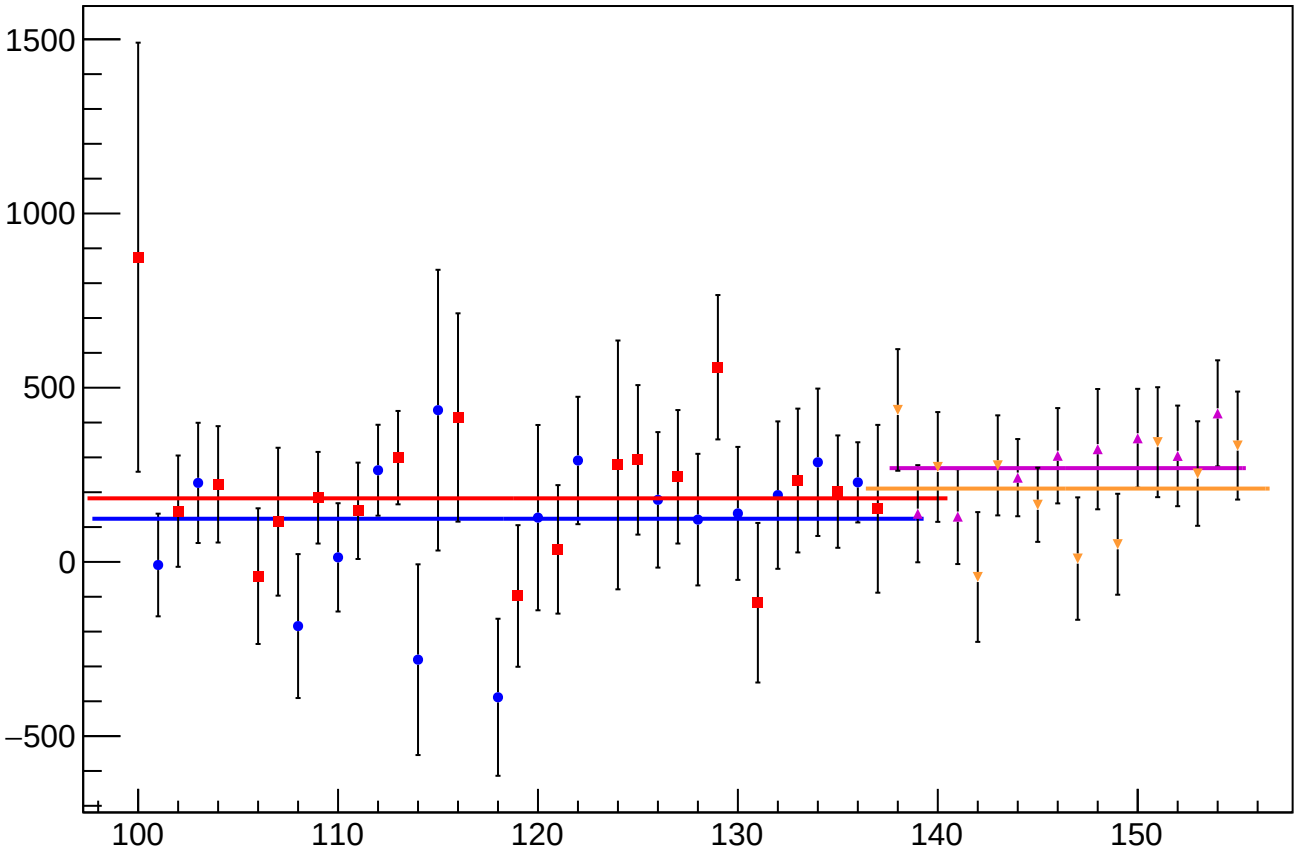
Left: 948.933+/-0.177 χ^2/NDF: 737122.7/17

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1033.262+/-0.199 χ^2/NDF:1259313.6/23

Out: 1023.085+/-0.190 χ^2/NDF:1501496.2/28

All: 1027.939+/-0.138 χ^2/NDF: 2762176.2/52



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 210.487+/-47.407 χ^2/NDF:8.0/9

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 269.138+/-49.115 χ^2/NDF:3.6/7

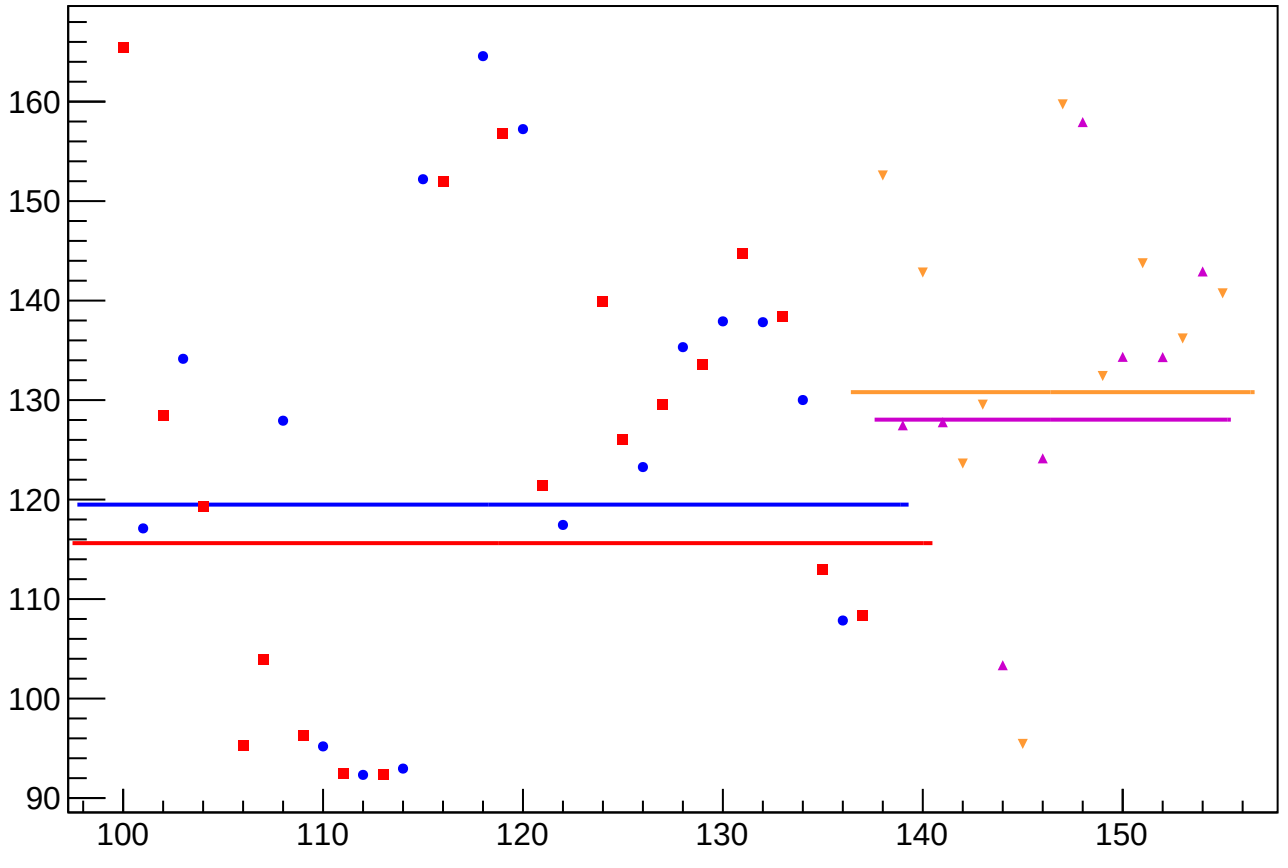
Left: 238.775+/-34.109 χ^2/NDF: 12.4/17

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 190.559+/-33.274 χ^2/NDF:23.8/23

Out: 195.187+/-31.941 χ^2/NDF:20.5/28

All: 192.968+/-23.043 χ^2/NDF: 44.3/52



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 130.798+/-0.034 χ^2/NDF:345224.7/9

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 128.034+/-0.035 χ^2/NDF:187804.9/7

Left: 129.465+/-0.024 χ^2/NDF: 536308.9/17

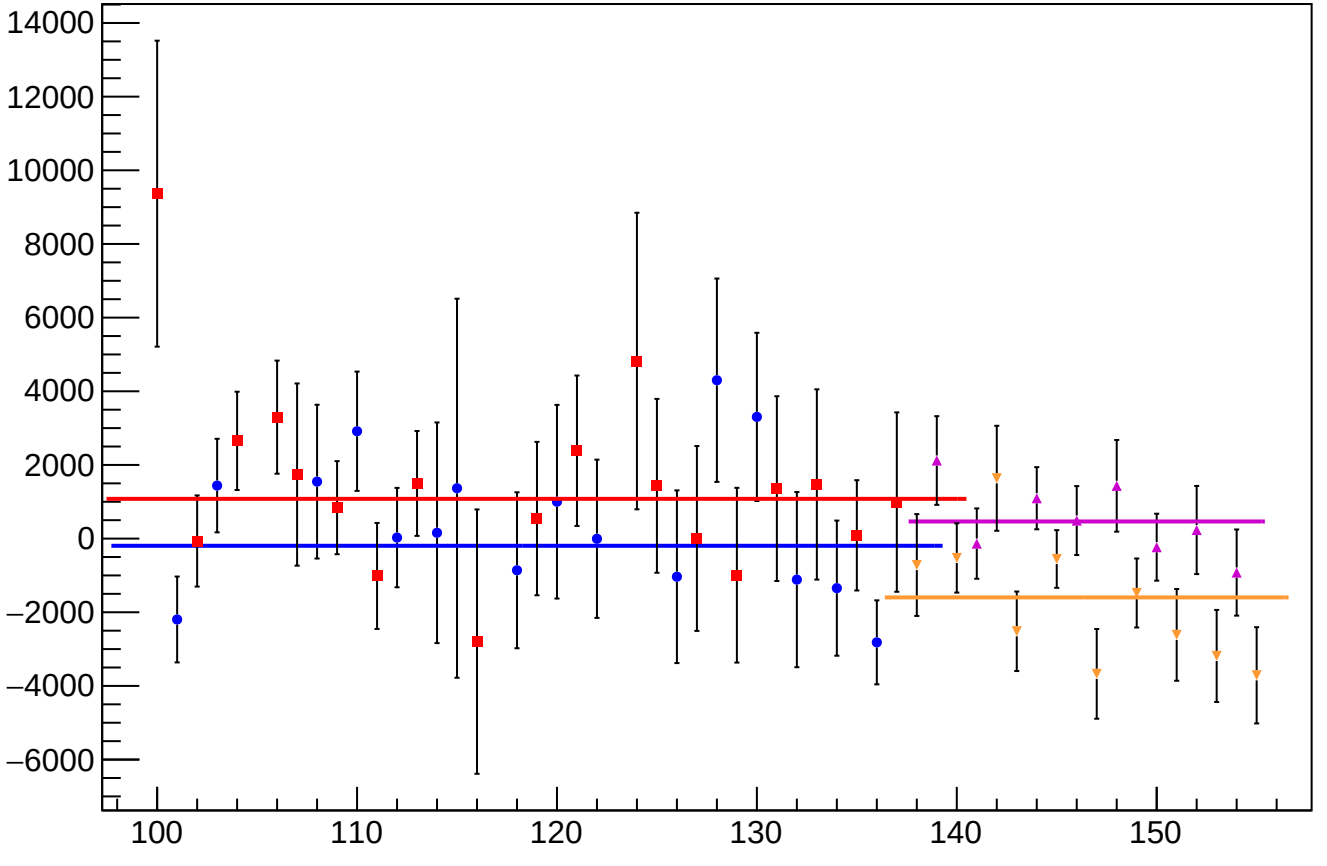
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 123.414+/-0.024 χ^2/NDF:600770.5/23

Out: 122.511+/-0.023 χ^2/NDF:884118.6/28

All: 122.944+/-0.016 χ^2/NDF: 1485655.6/52

asym_sam_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1596.593+/-346.716 χ^2/NDF:17.2/9

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 465.276+/-362.337 χ^2/NDF:5.5/7

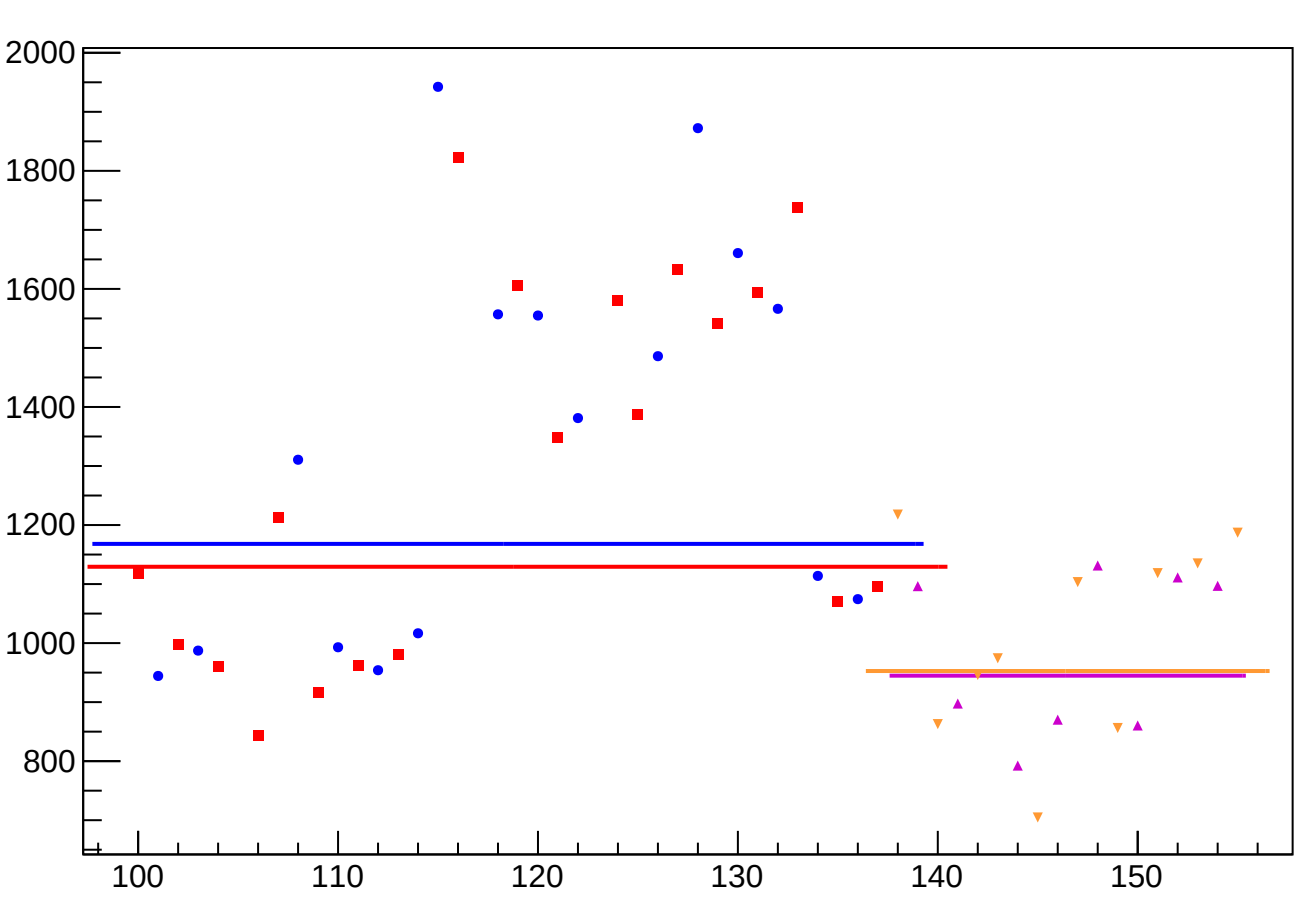
Left: -611.062+/-250.505 χ^2/NDF: 39.6/17

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

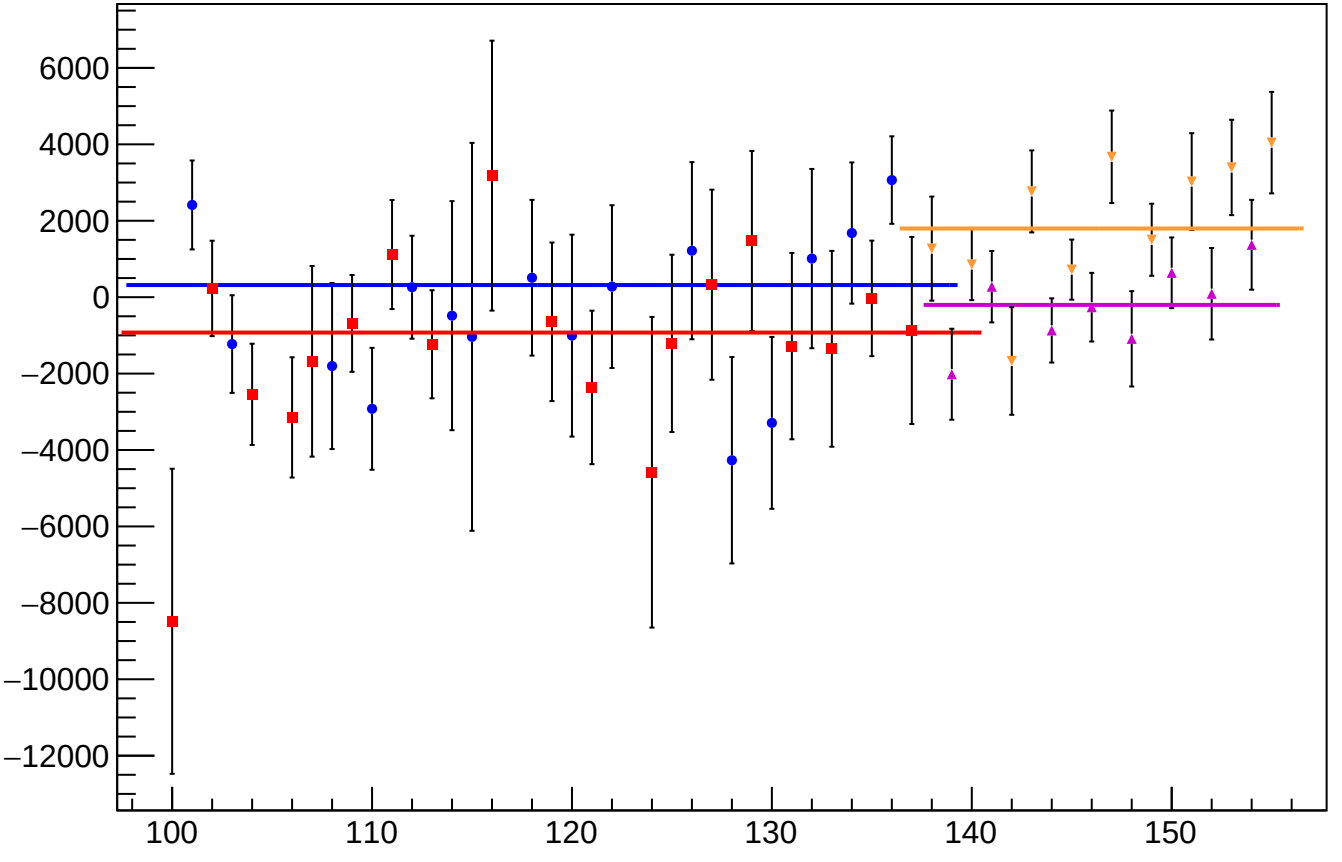
In: 203.662+/-281.560 χ^2/NDF:27.2/23

Out: -530.158+/-268.896 χ^2/NDF:55.5/28

All: -180.122+/-194.461 χ^2/NDF: 86.2/52


asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1168.063+/-0.316 χ²/NDF: 709365.6/15
Left Out: 952.699+/-0.245 χ²/NDF:487454.6/9
Right Out: 1129.316+/-0.301 χ²/NDF: 807224.0/18
Left In: 944.820+/-0.256 χ²/NDF:249176.0/7
Left: 948.933+/-0.177 χ²/NDF: 737124.3/17
Right: 1147.741+/-0.218 χ²/NDF: 1524459.2/34
In: 1033.261+/-0.199 χ²/NDF:1259313.8/23
Out: 1023.084+/-0.190 χ²/NDF:1501502.2/28
All: 1027.939+/-0.138 χ²/NDF: 2762182.5/52

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1797.475+/-346.745 χ^2/NDF:17.9/9

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -202.079+/-359.516 χ^2/NDF:6.4/7

Left: 833.842+/-249.578 χ^2/NDF: 40.3/17

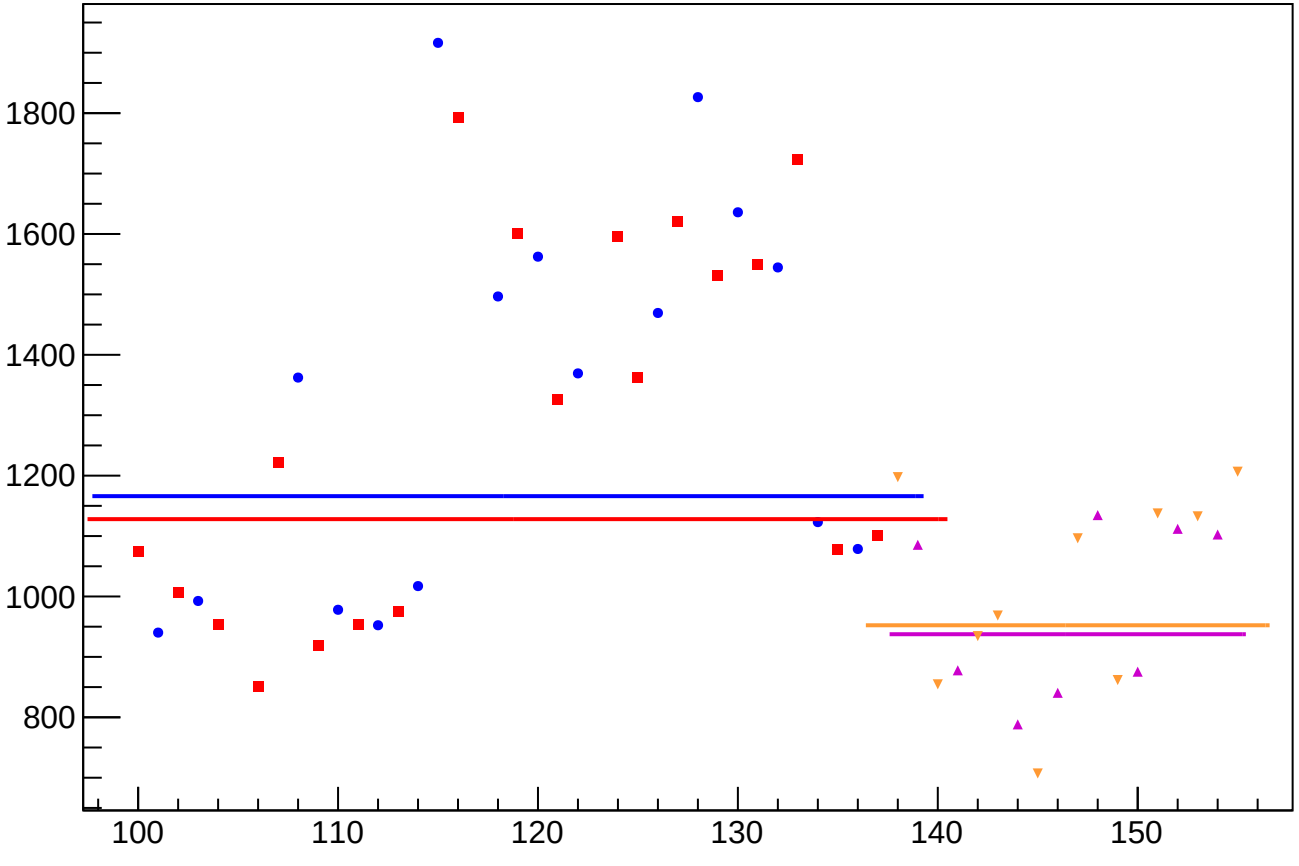
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 2.319+/-279.985 χ^2/NDF:29.4/23

Out: 710.317+/-268.772 χ^2/NDF:57.0/28

All: 370.779+/-193.894 χ^2/NDF: 89.8/52

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 952.329+/-0.245 χ^2/NDF:486467.9/9

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 937.527+/-0.254 χ^2/NDF:266174.6/7

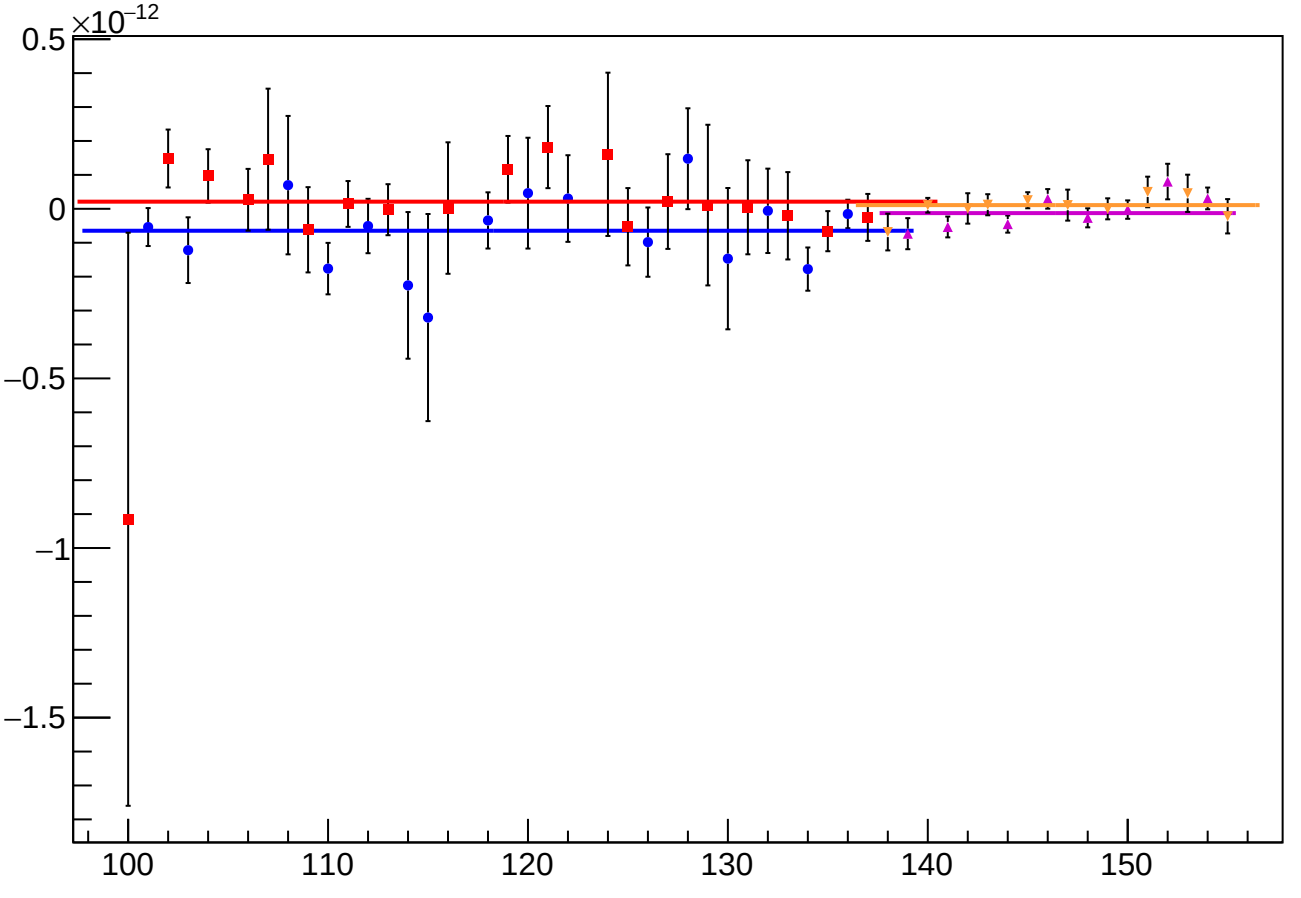
Left: 945.196+/-0.176 χ^2/NDF: 754399.1/17

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1027.452+/-0.198 χ^2/NDF:1261230.4/23

Out: 1022.455+/-0.190 χ^2/NDF:1467163.8/28

All: 1024.851+/-0.137 χ^2/NDF: 2728725.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/7

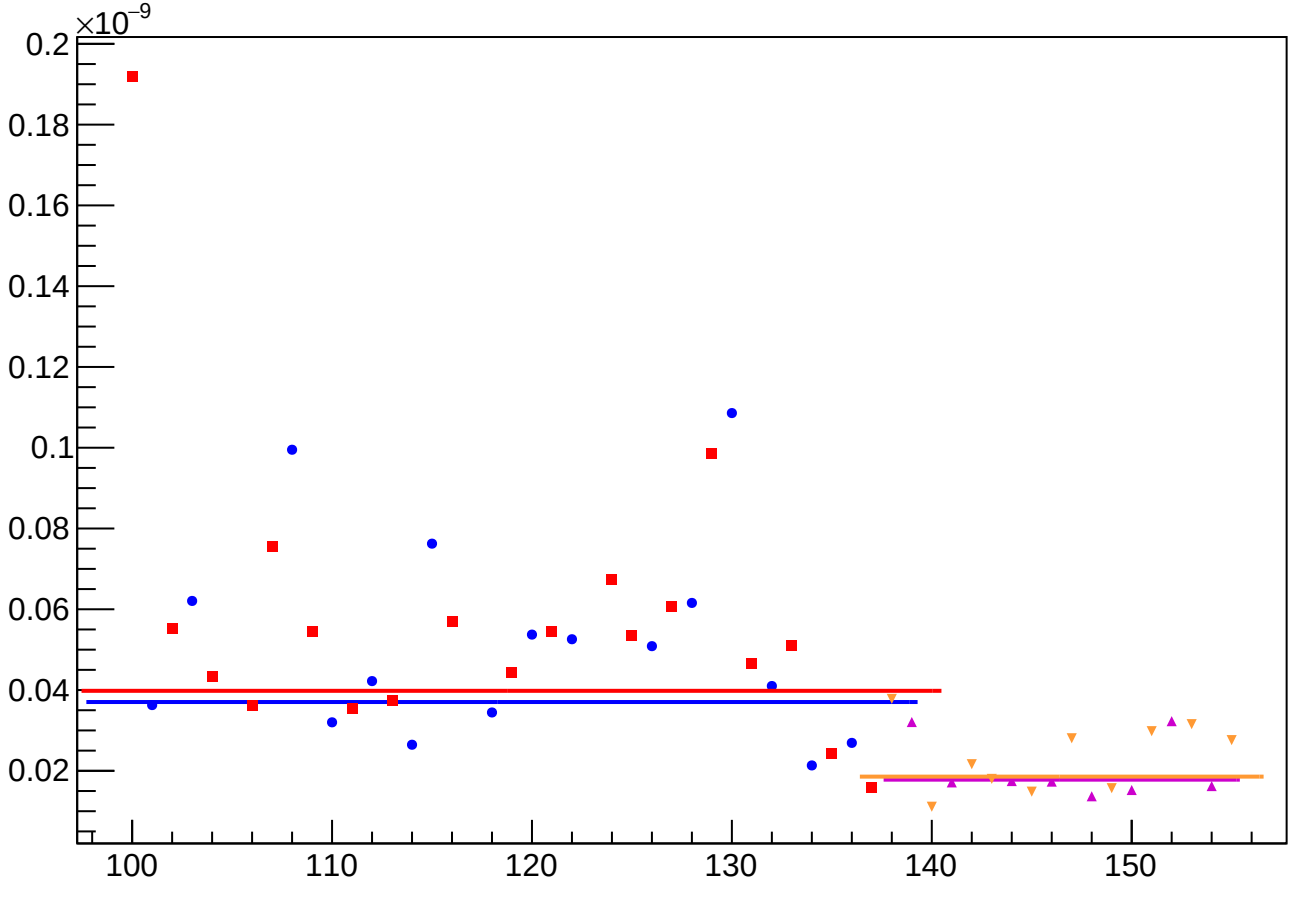
Left: -0.000+/-0.000 χ^2/NDF: 19.2/17

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:29.6/23

Out: 0.000+/-0.000 χ^2/NDF:15.9/28

All: -0.000+/-0.000 χ^2/NDF: 52.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:952108.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:414262.8/7

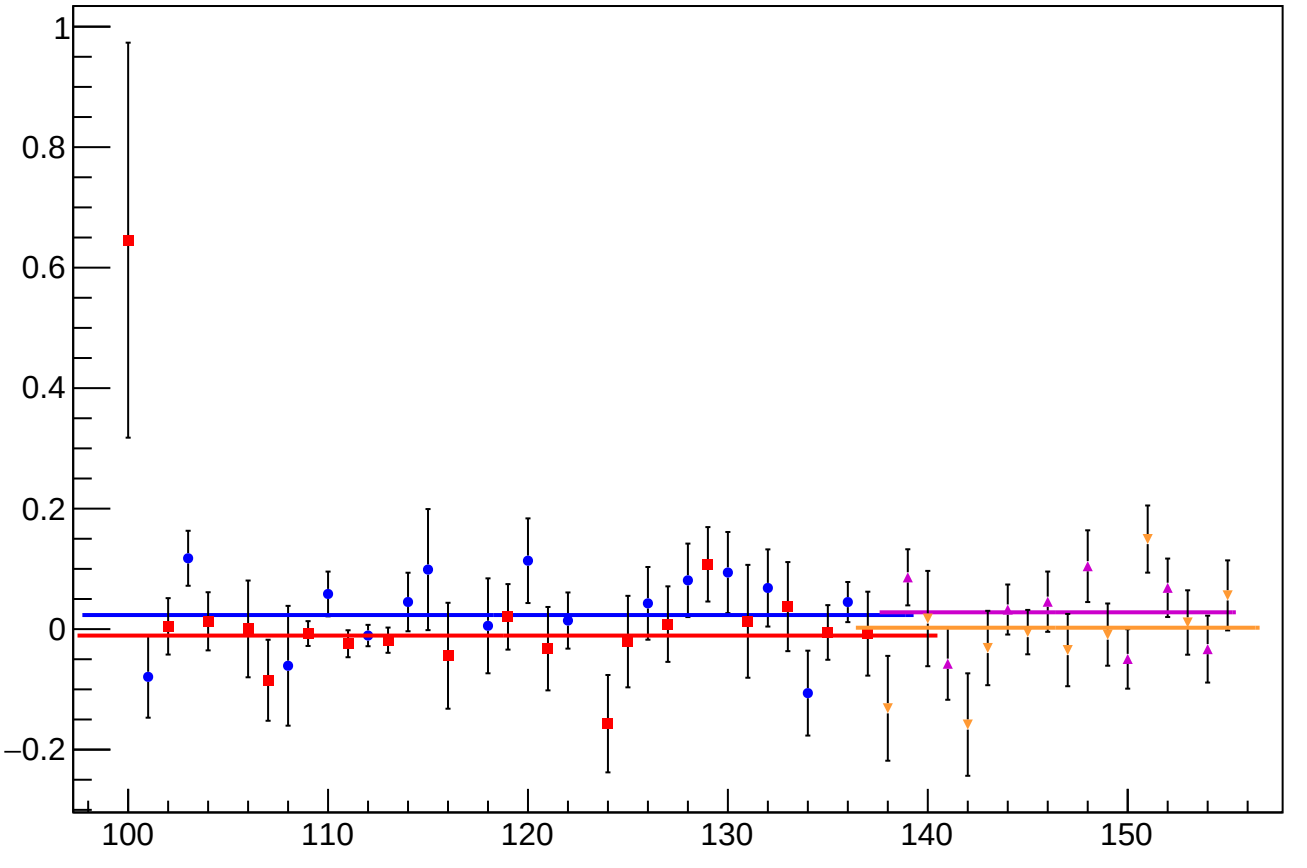
Left: 0.000+/-0.000 χ^2/NDF: 1371099.3/17

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2645986.0/23

Out: 0.000+/-0.000 χ^2/NDF:3241106.0/28

All: 0.000+/-0.000 χ^2/NDF: 5892032.1/52



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.002+/-0.018 χ^2/NDF:14.6/9

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.028+/-0.018 χ^2/NDF:9.7/7

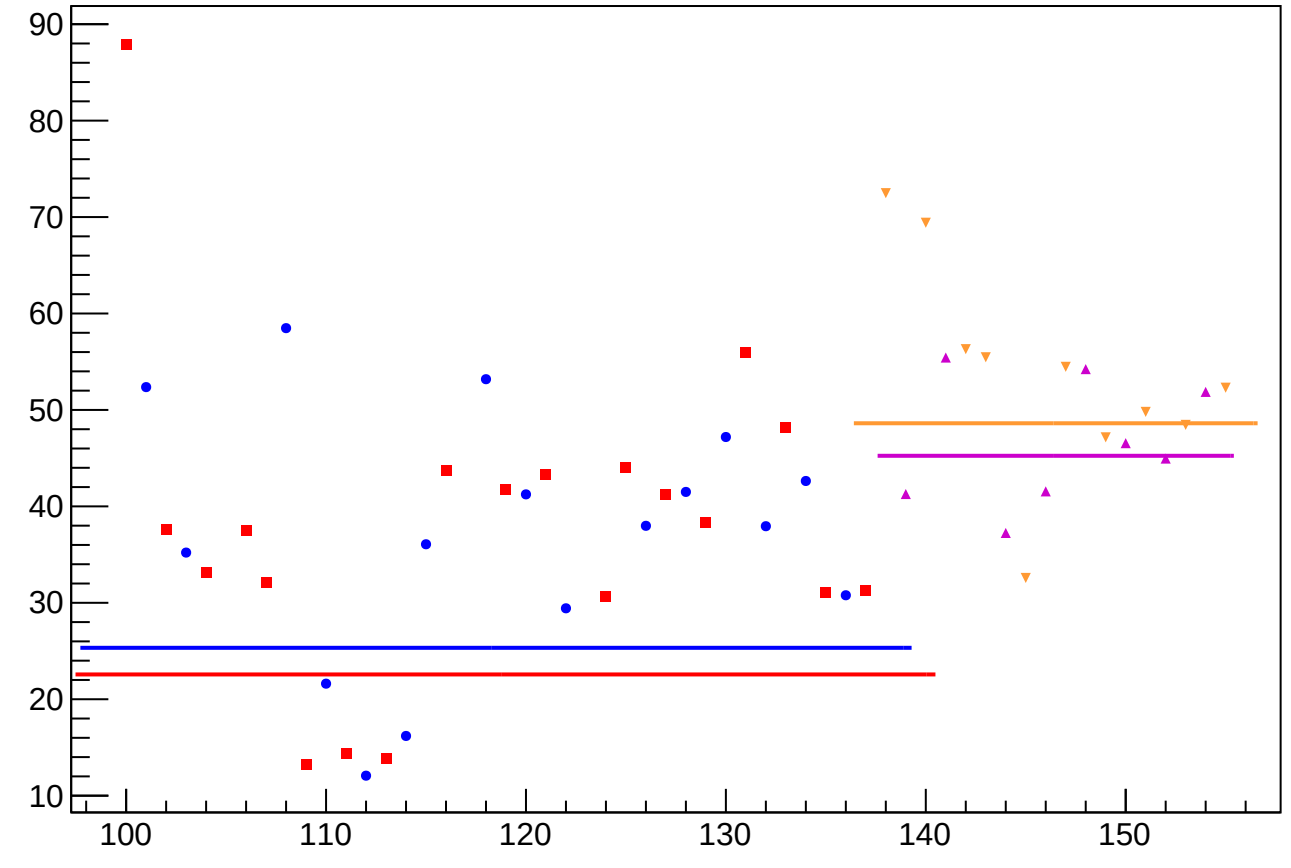
Left: 0.015+/-0.013 χ^2/NDF: 25.4/17

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.009 χ^2/NDF:30.5/23

Out: -0.008+/-0.009 χ^2/NDF:29.2/28

All: 0.007+/-0.006 χ^2/NDF: 66.2/52



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.618+/-0.013 χ^2/NDF:738259.8/9

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.245+/-0.013 χ^2/NDF:233010.6/7

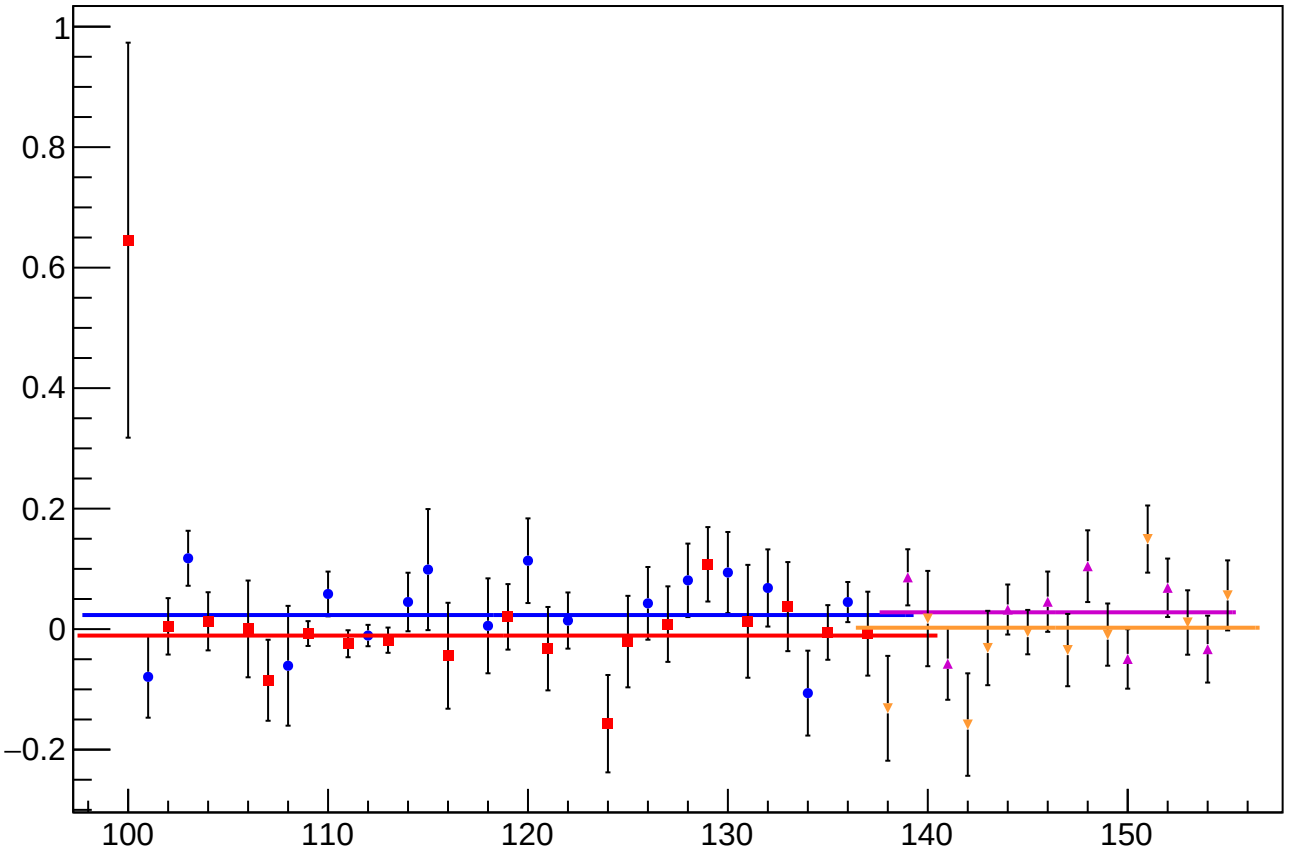
Left: 46.901+/-0.009 χ^2/NDF: 1006571.4/17

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 30.892+/-0.007 χ^2/NDF:4964855.4/23

Out: 28.474+/-0.006 χ^2/NDF:7078557.8/28

All: 29.579+/-0.004 χ^2/NDF: 12115321.4/52



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.002+/-0.018 χ^2/NDF:14.6/9

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.028+/-0.018 χ^2/NDF:9.7/7

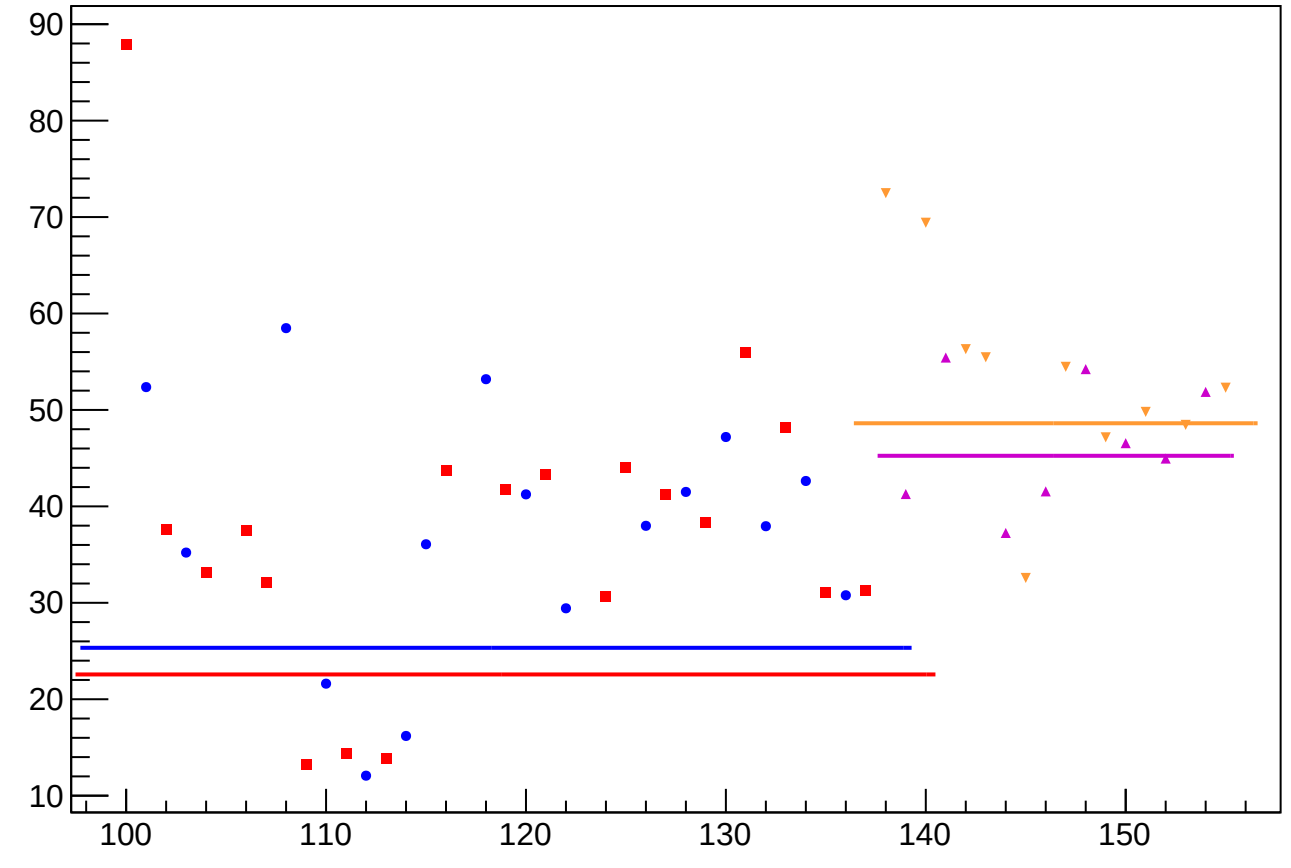
Left: 0.015+/-0.013 χ^2/NDF: 25.4/17

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.009 χ^2/NDF:30.5/23

Out: -0.008+/-0.009 χ^2/NDF:29.2/28

All: 0.007+/-0.006 χ^2/NDF: 66.2/52



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.618+/-0.013 χ^2/NDF:738259.8/9

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.245+/-0.013 χ^2/NDF:233010.6/7

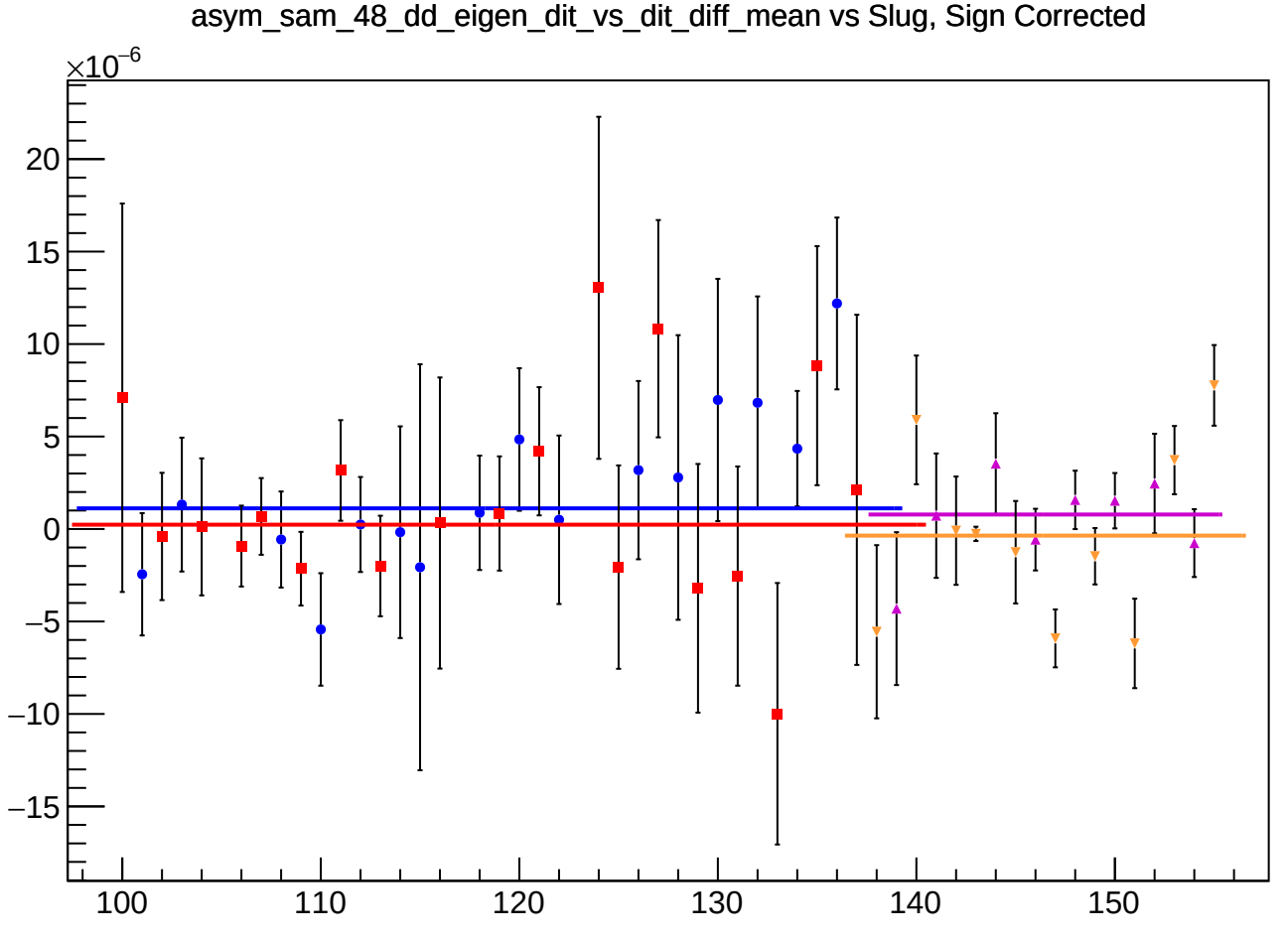
Left: 46.901+/-0.009 χ^2/NDF: 1006571.4/17

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 30.892+/-0.007 χ^2/NDF:4964855.4/23

Out: 28.474+/-0.006 χ^2/NDF:7078557.8/28

All: 29.579+/-0.004 χ^2/NDF: 12115321.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/7

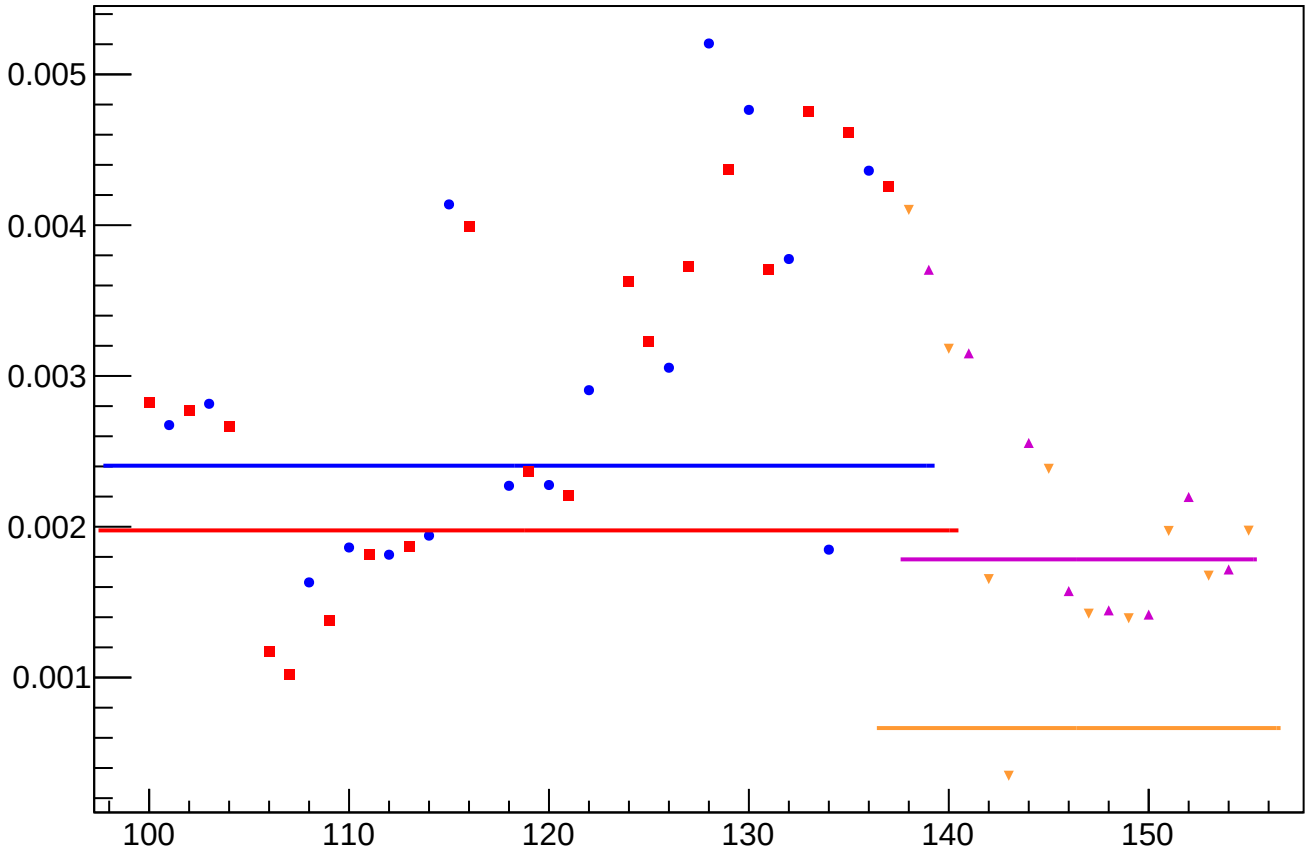
Left: -0.000+/-0.000 χ^2/NDF: 49.2/17

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:21.1/23

Out: -0.000+/-0.000 χ^2/NDF:58.0/28

All: 0.000+/-0.000 χ^2/NDF: 82.2/52



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:7293927.1/9

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1215845.0/7

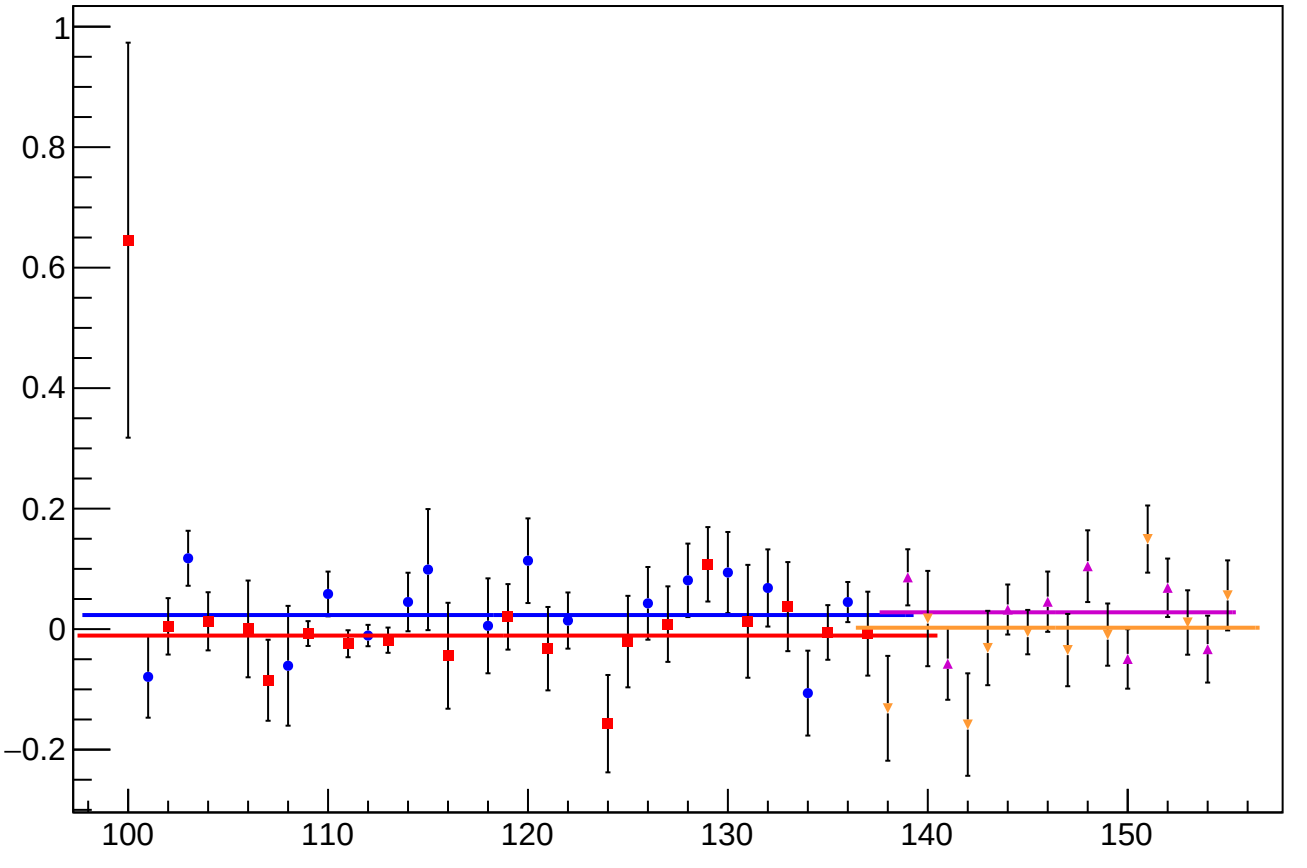
Left: 0.001+/-0.000 χ^2/NDF: 12443784.9/17

Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:3327213.0/23

Out: 0.001+/-0.000 χ^2/NDF:14494278.1/28

All: 0.001+/-0.000 χ^2/NDF: 23952986.4/52



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.002+/-0.018 χ^2/NDF:14.6/9

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.028+/-0.018 χ^2/NDF:9.7/7

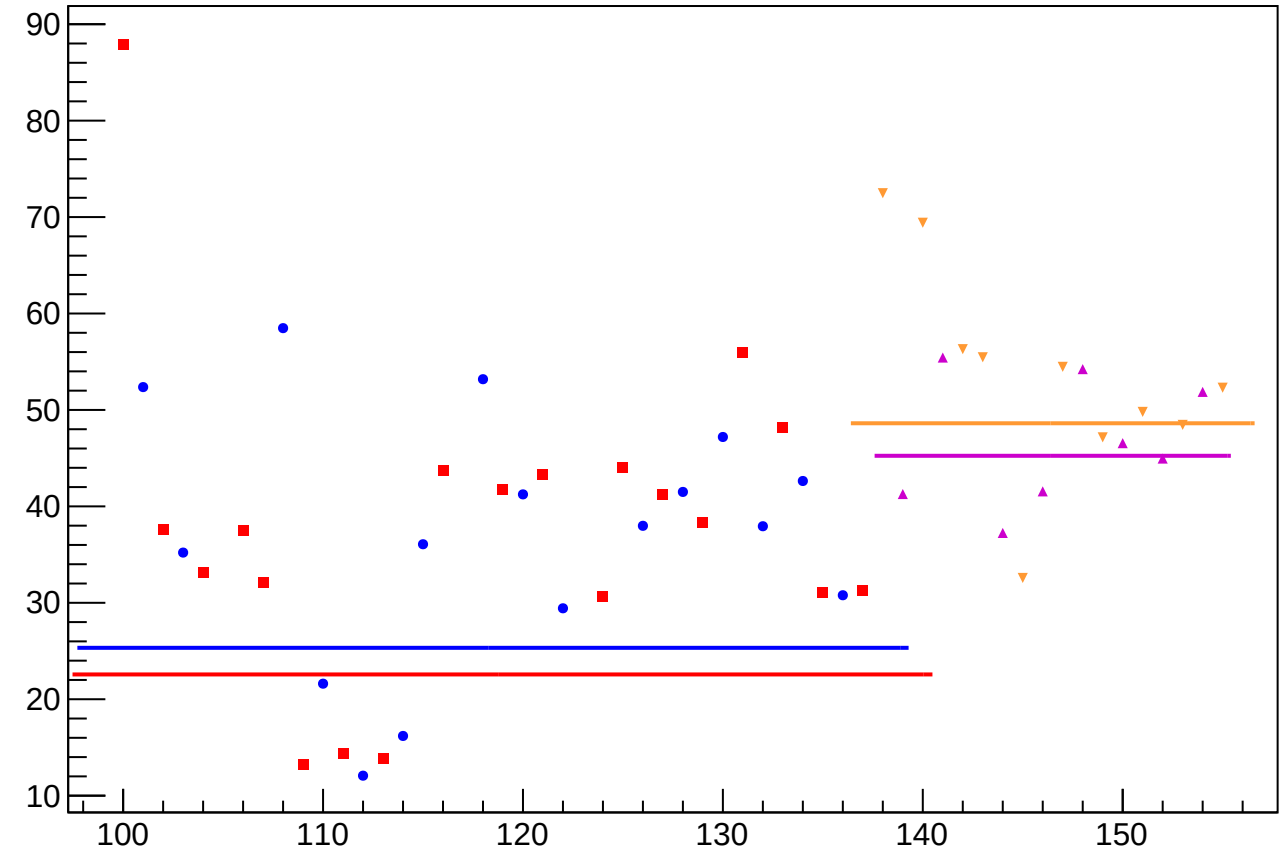
Left: 0.015+/-0.013 χ^2/NDF: 25.4/17

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.009 χ^2/NDF:30.5/23

Out: -0.008+/-0.009 χ^2/NDF:29.2/28

All: 0.007+/-0.006 χ^2/NDF: 66.2/52



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.618+/-0.013 χ^2/NDF:738231.6/9

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.246+/-0.013 χ^2/NDF:233000.4/7

Left: 46.902+/-0.009 χ^2/NDF: 1006533.0/17

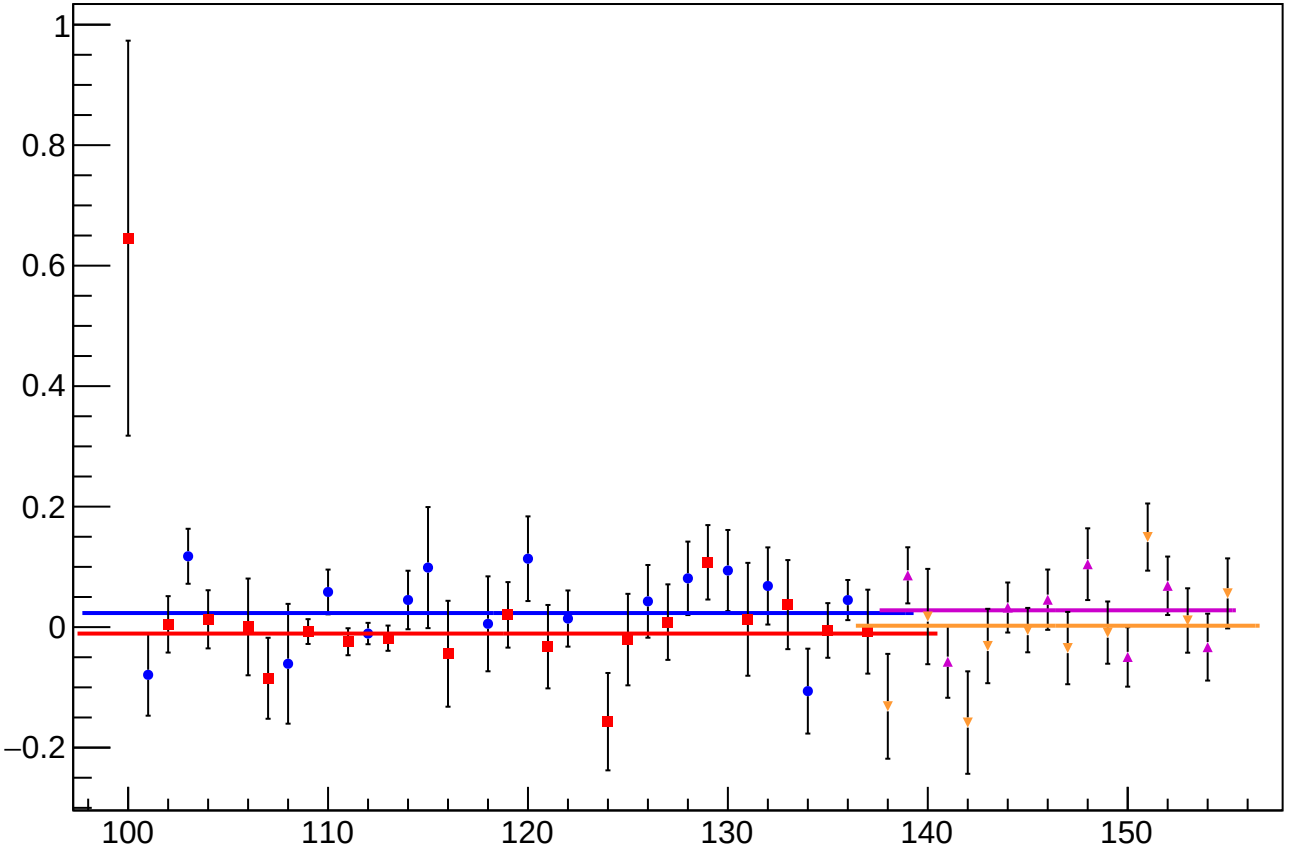
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 30.891+/-0.007 χ^2/NDF:4965582.7/23

Out: 28.474+/-0.006 χ^2/NDF:7078825.1/28

All: 29.578+/-0.004 χ^2/NDF: 12116266.9/52

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: 0.002+/-0.018 χ^2/NDF:14.6/9

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.028+/-0.018 χ^2/NDF:9.7/7

Left: 0.015+/-0.013 χ^2/NDF: 25.4/17

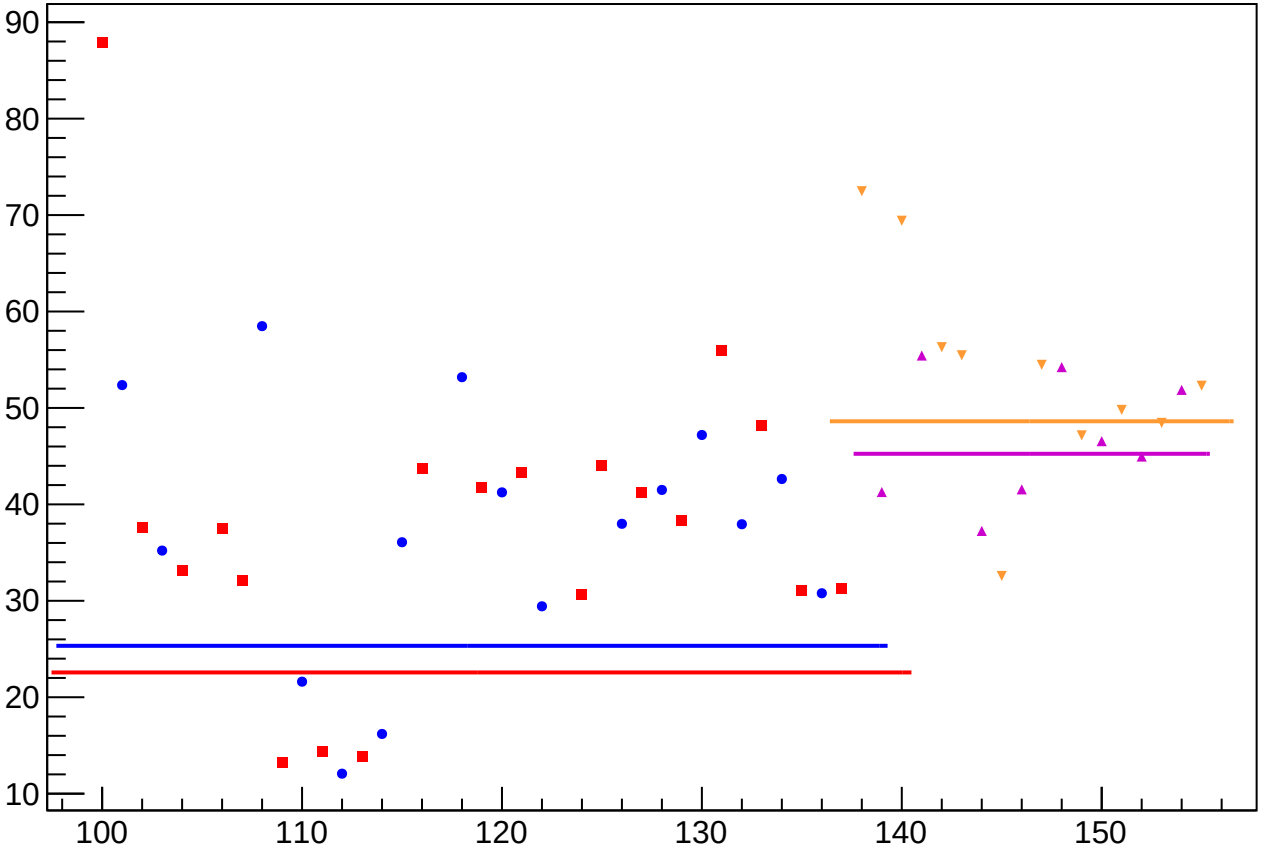
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.025+/-0.009 χ^2/NDF:30.5/23

Out: -0.008+/-0.009 χ^2/NDF:29.2/28

All: 0.007+/-0.006 χ^2/NDF: 66.2/52

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: 48.618+/-0.013 χ^2/NDF:738231.6/9

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.246+/-0.013 χ^2/NDF:233000.4/7

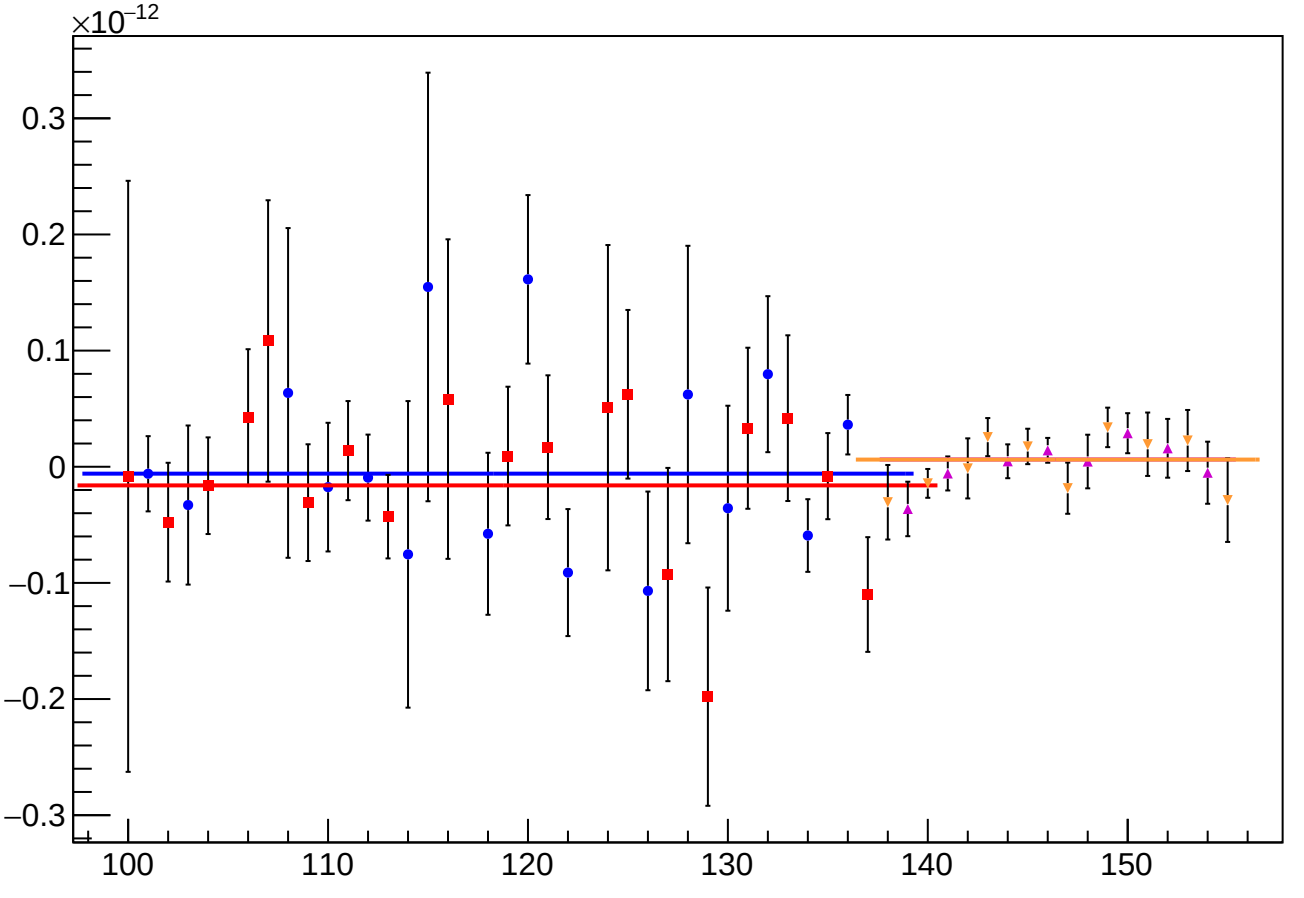
Left: 46.902+/-0.009 χ^2/NDF: 1006533.0/17

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 30.891+/-0.007 χ^2/NDF:4965582.7/23

Out: 28.474+/-0.006 χ^2/NDF:7078825.1/28

All: 29.578+/-0.004 χ^2/NDF: 12116266.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/9

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/7

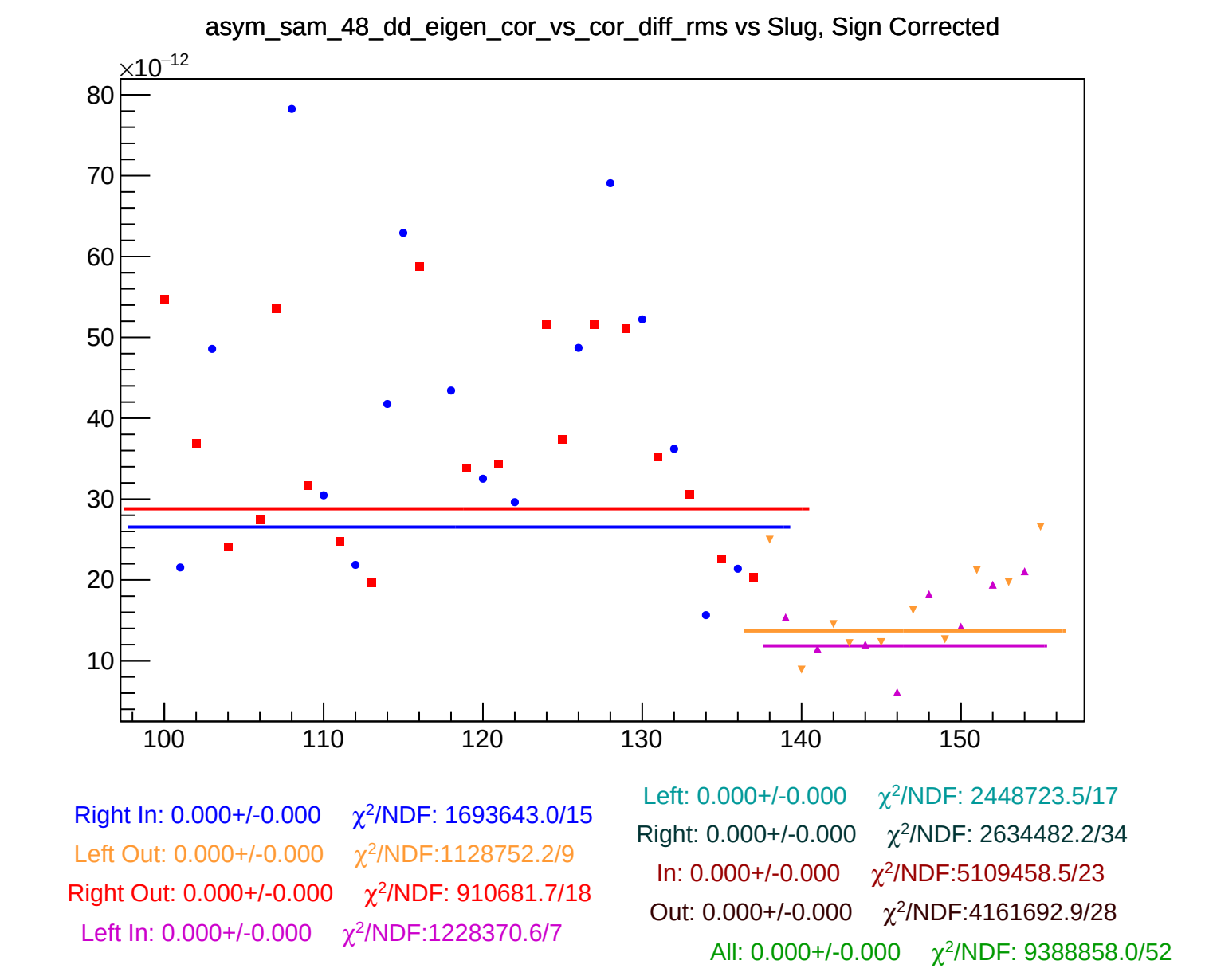
Left: 0.000+/-0.000 χ^2/NDF: 18.1/17

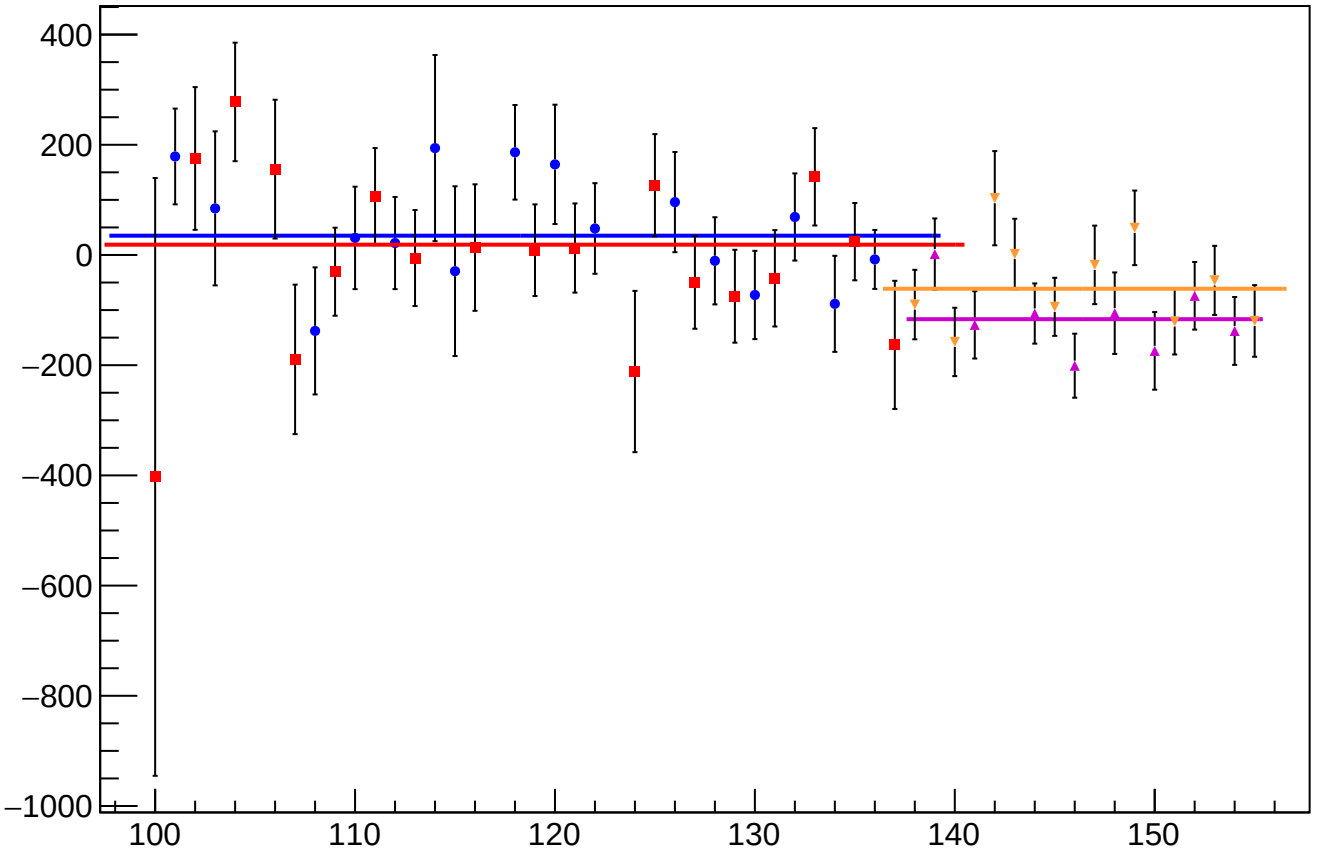
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:26.1/23

Out: 0.000+/-0.000 χ^2/NDF:28.8/28

All: 0.000+/-0.000 χ^2/NDF: 55.0/52


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:1128752.2/9
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1228370.6/7
Left: 0.000+/-0.000 χ²/NDF: 2448723.5/17
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5109458.5/23
Out: 0.000+/-0.000 χ²/NDF:4161692.9/28
All: 0.000+/-0.000 χ²/NDF: 9388858.0/52



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -61.285+/-20.257 χ^2/NDF:12.6/9

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -116.514+/-22.073 χ^2/NDF:6.8/7

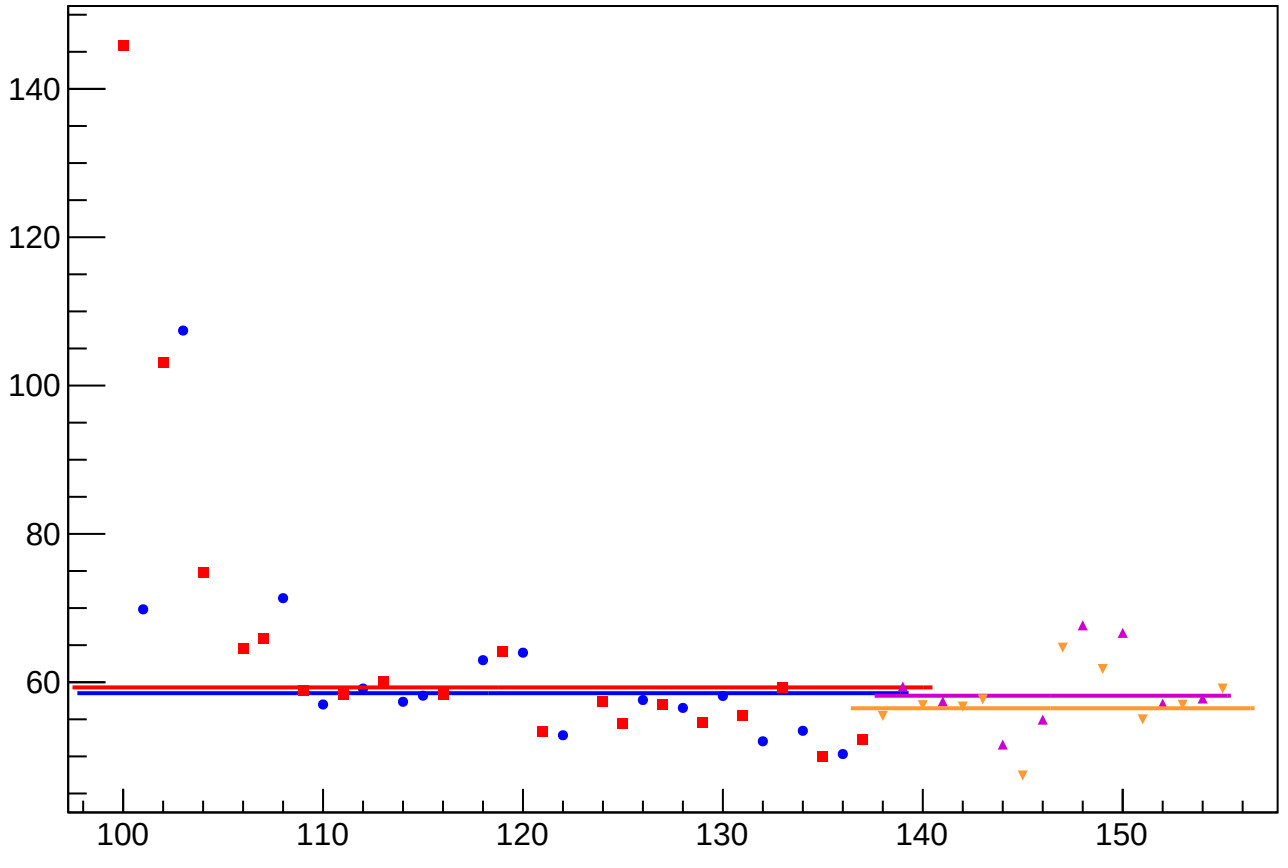
Left: -86.534+/-14.925 χ^2/NDF: 22.8/17

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -40.957+/-15.630 χ^2/NDF:46.5/23

Out: -24.836+/-14.945 χ^2/NDF:43.2/28

All: -32.535+/-10.802 χ^2/NDF: 90.2/52



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.491+/-0.014 χ^2/NDF:103735.1/9

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.182+/-0.016 χ^2/NDF:98880.3/7

Left: 57.264+/-0.011 χ^2/NDF: 208986.0/17

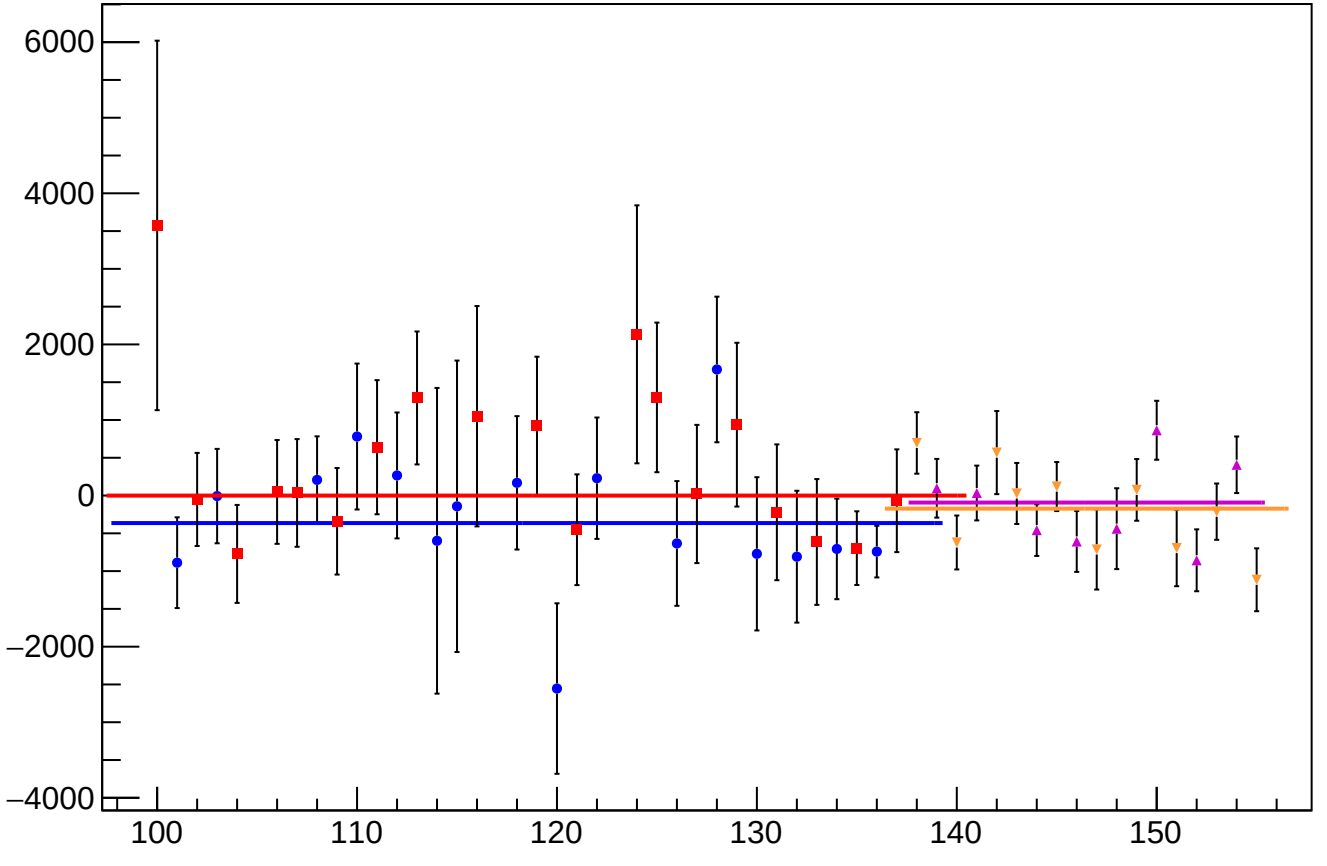
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.351+/-0.011 χ^2/NDF:491859.4/23

Out: 57.772+/-0.011 χ^2/NDF:527891.8/28

All: 58.048+/-0.008 χ^2/NDF: 1021187.6/52

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: -173.192+/-129.850 χ^2/NDF:16.6/9

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -92.696+/-138.513 χ^2/NDF:14.8/7

Left: -135.540+/-94.733 χ^2/NDF: 31.6/17

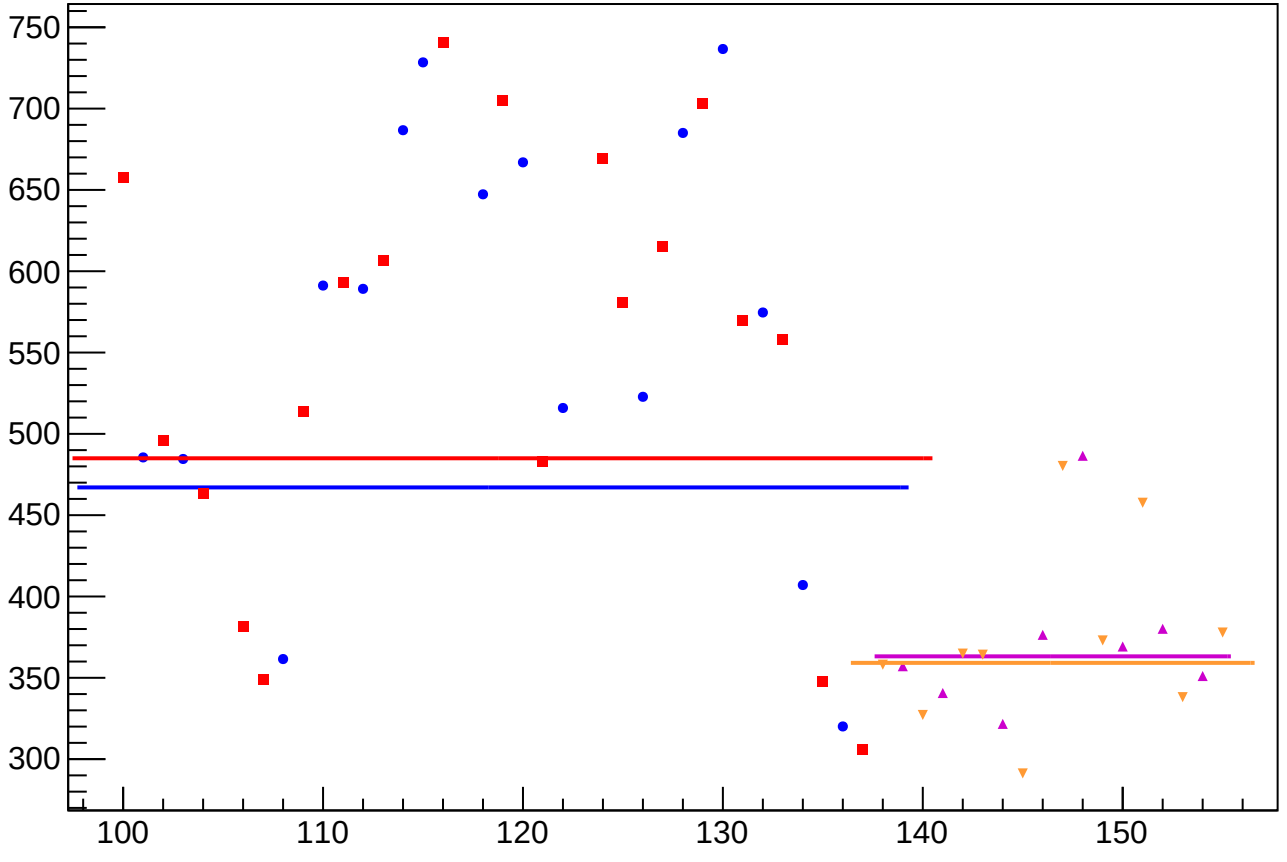
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -193.206+/-109.909 χ^2/NDF:31.5/23

Out: -115.421+/-105.916 χ^2/NDF:32.3/28

All: -152.875+/-76.267 χ^2/NDF: 64.0/52

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: 359.188+/-0.092 χ^2/NDF:297418.2/9

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 363.193+/-0.098 χ^2/NDF:152185.9/7

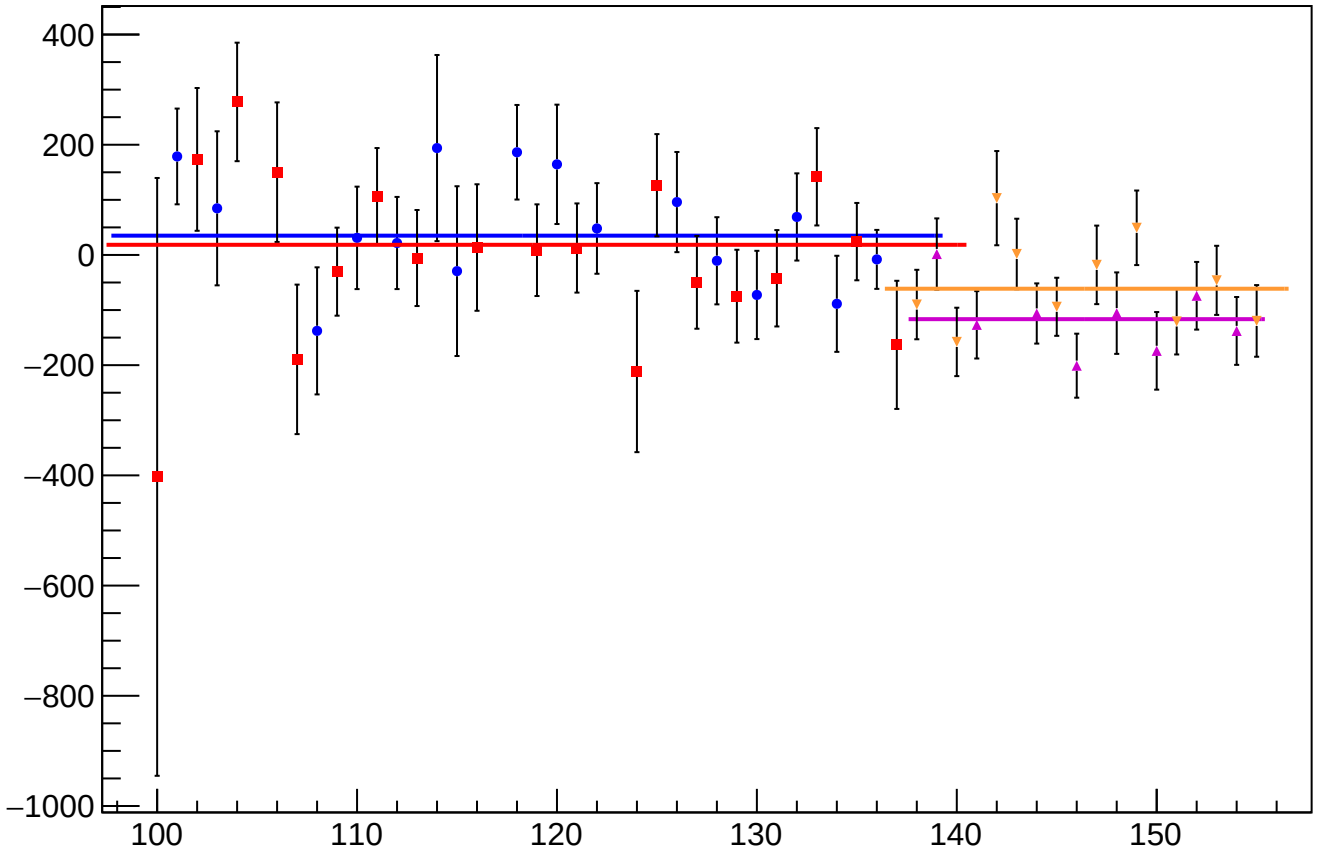
Left: 361.061+/-0.067 χ^2/NDF: 450494.3/17

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 401.665+/-0.078 χ^2/NDF:1599044.8/23

Out: 401.287+/-0.075 χ^2/NDF:1799694.2/28

All: 401.469+/-0.054 χ^2/NDF: 3398751.3/52



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -61.285+/-20.257 χ^2/NDF:12.6/9

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -116.514+/-22.073 χ^2/NDF:6.8/7

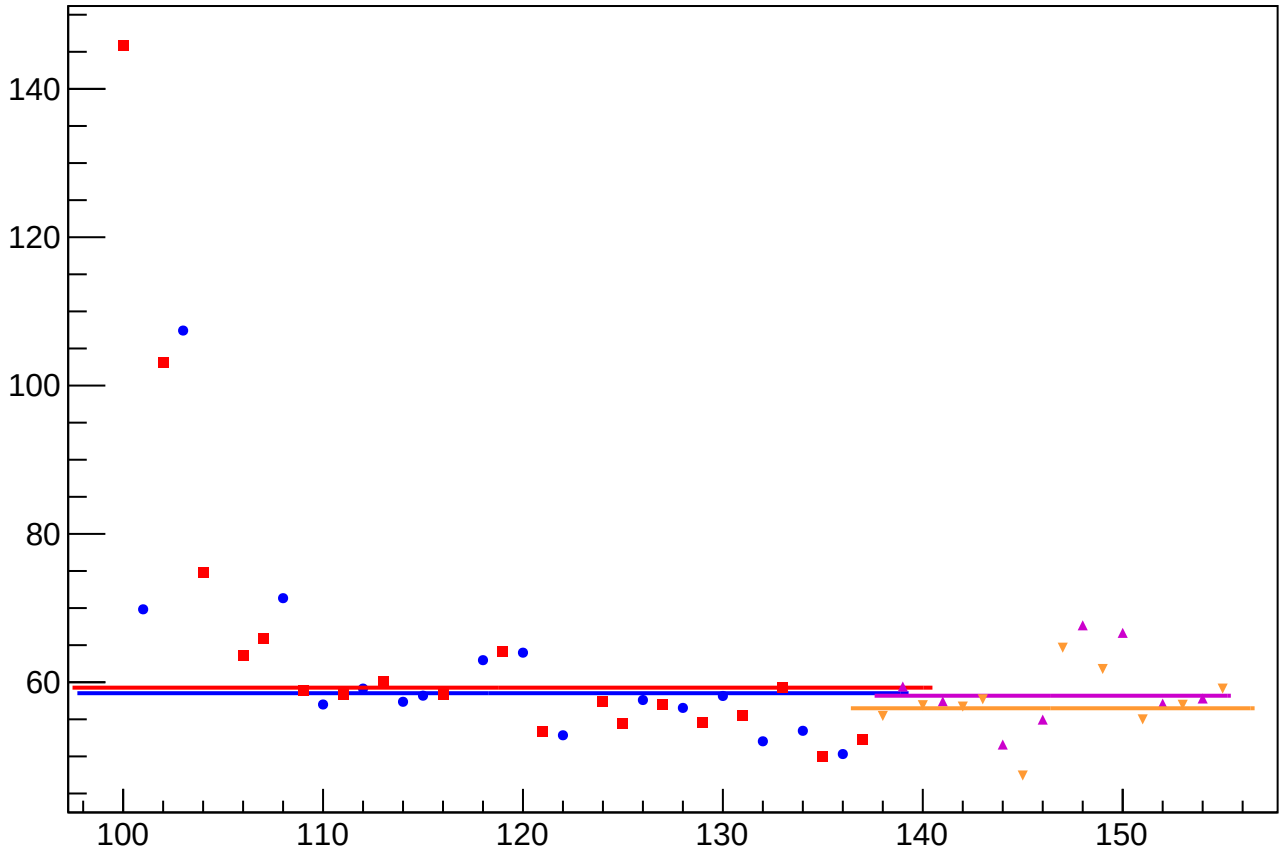
Left: -86.534+/-14.925 χ^2/NDF: 22.8/17

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -40.957+/-15.630 χ^2/NDF:46.5/23

Out: -24.968+/-14.946 χ^2/NDF:43.0/28

All: -32.605+/-10.802 χ^2/NDF: 90.0/52



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.491+/-0.014 χ^2/NDF:103735.1/9

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.182+/-0.016 χ^2/NDF:98880.3/7

Left: 57.264+/-0.011 χ^2/NDF: 208986.0/17

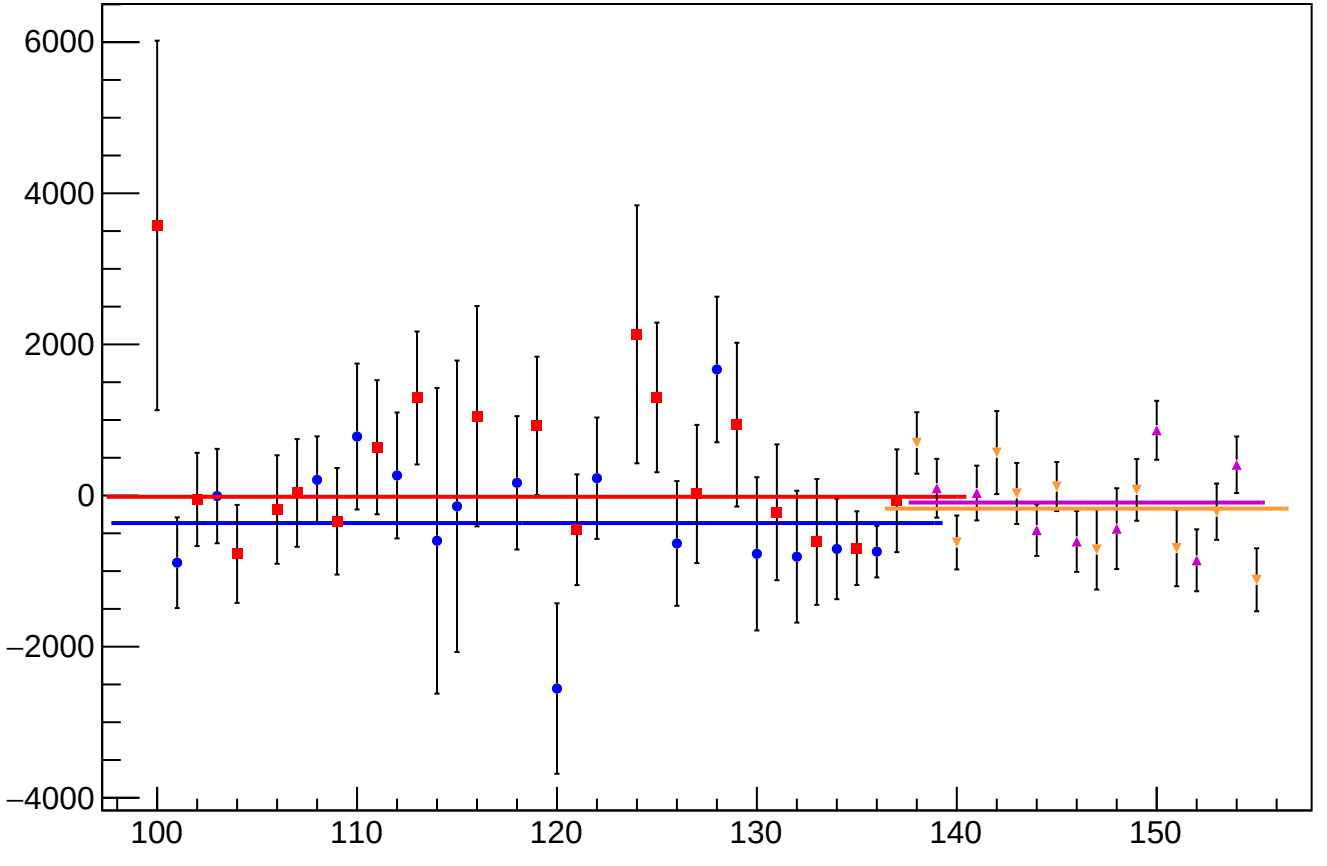
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.351+/-0.011 χ^2/NDF:491861.4/23

Out: 57.757+/-0.011 χ^2/NDF:526498.1/28

All: 58.041+/-0.008 χ^2/NDF: 1019869.9/52

asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -173.194+/-129.850 χ^2/NDF:16.6/9

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -92.694+/-138.513 χ^2/NDF:14.8/7

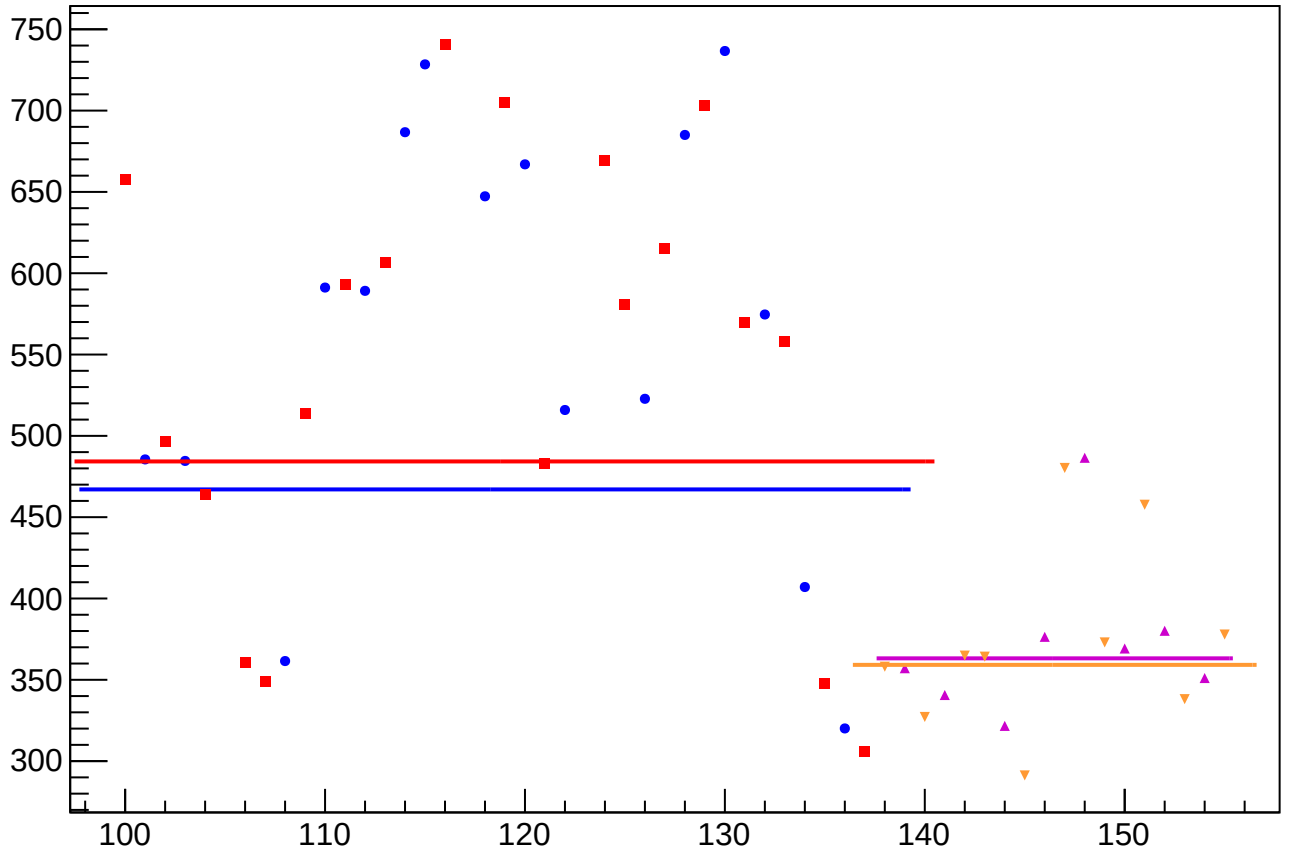
Left: -135.540+/-94.733 χ^2/NDF: 31.6/17

Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -193.191+/-109.910 χ^2/NDF:31.5/23

Out: -120.831+/-106.025 χ^2/NDF:32.2/28

All: -155.709+/-76.307 χ^2/NDF: 63.9/52



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 359.188+/-0.092 χ^2/NDF:297419.3/9

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 363.194+/-0.098 χ^2/NDF:152185.7/7

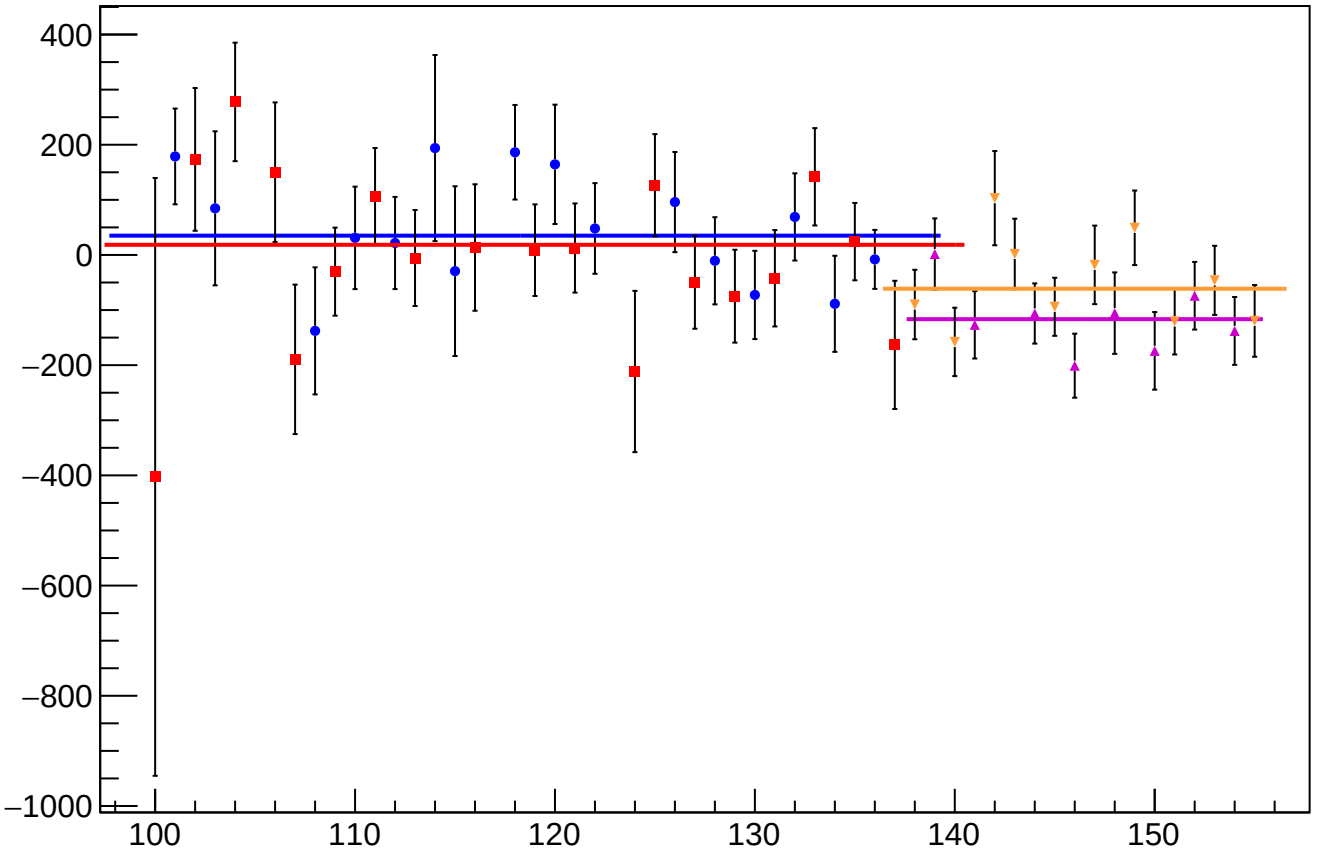
Left: 361.061+/-0.067 χ^2/NDF: 450495.3/17

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 401.666+/-0.078 χ^2/NDF:1599062.8/23

Out: 400.879+/-0.075 χ^2/NDF:1804795.6/28

All: 401.258+/-0.054 χ^2/NDF: 3403911.5/52



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -61.285+/-20.257 χ^2/NDF:12.6/9

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -116.514+/-22.073 χ^2/NDF:6.8/7

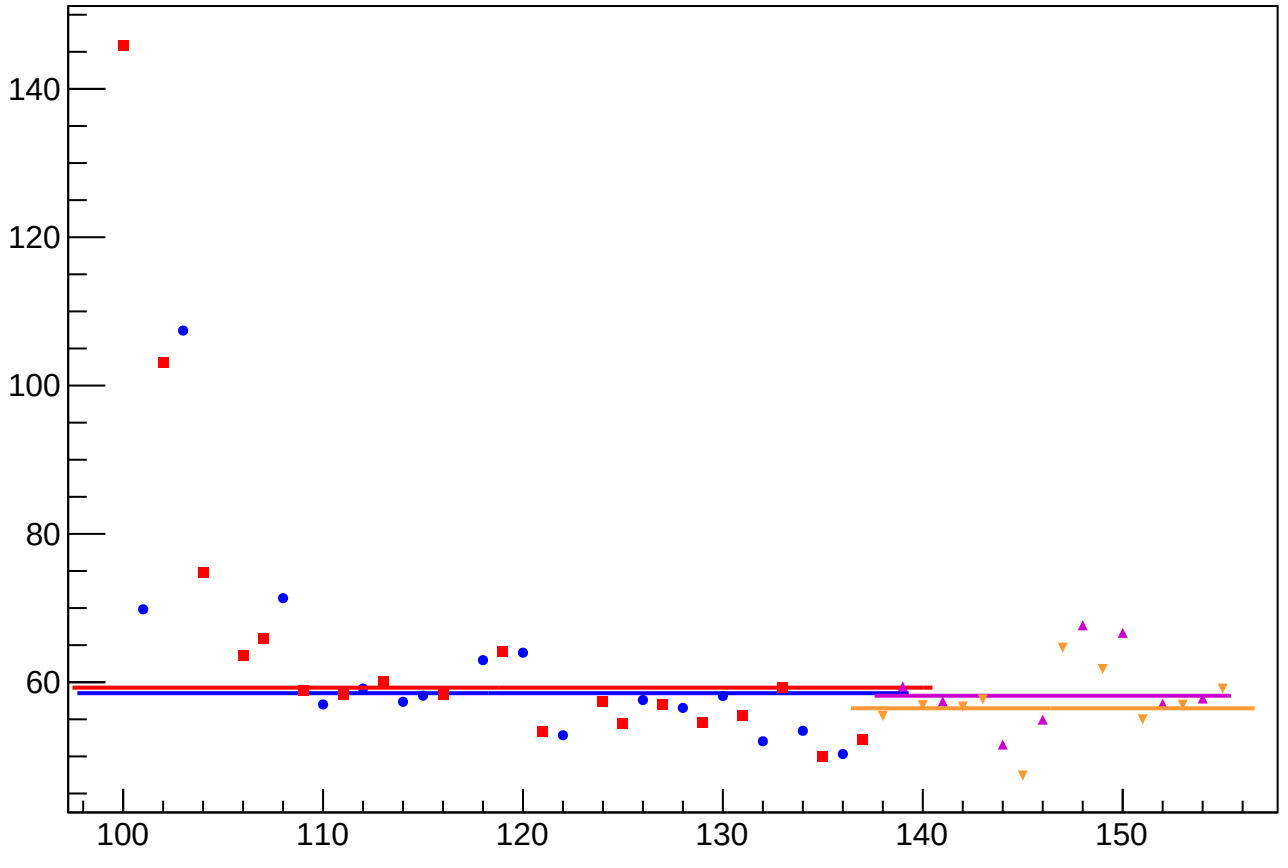
Left: -86.534+/-14.925 χ^2/NDF: 22.8/17

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -40.957+/-15.630 χ^2/NDF:46.5/23

Out: -24.968+/-14.946 χ^2/NDF:43.0/28

All: -32.605+/-10.802 χ^2/NDF: 90.0/52



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.491+/-0.014 χ^2/NDF:103735.1/9

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.182+/-0.016 χ^2/NDF:98880.3/7

Left: 57.264+/-0.011 χ^2/NDF: 208986.0/17

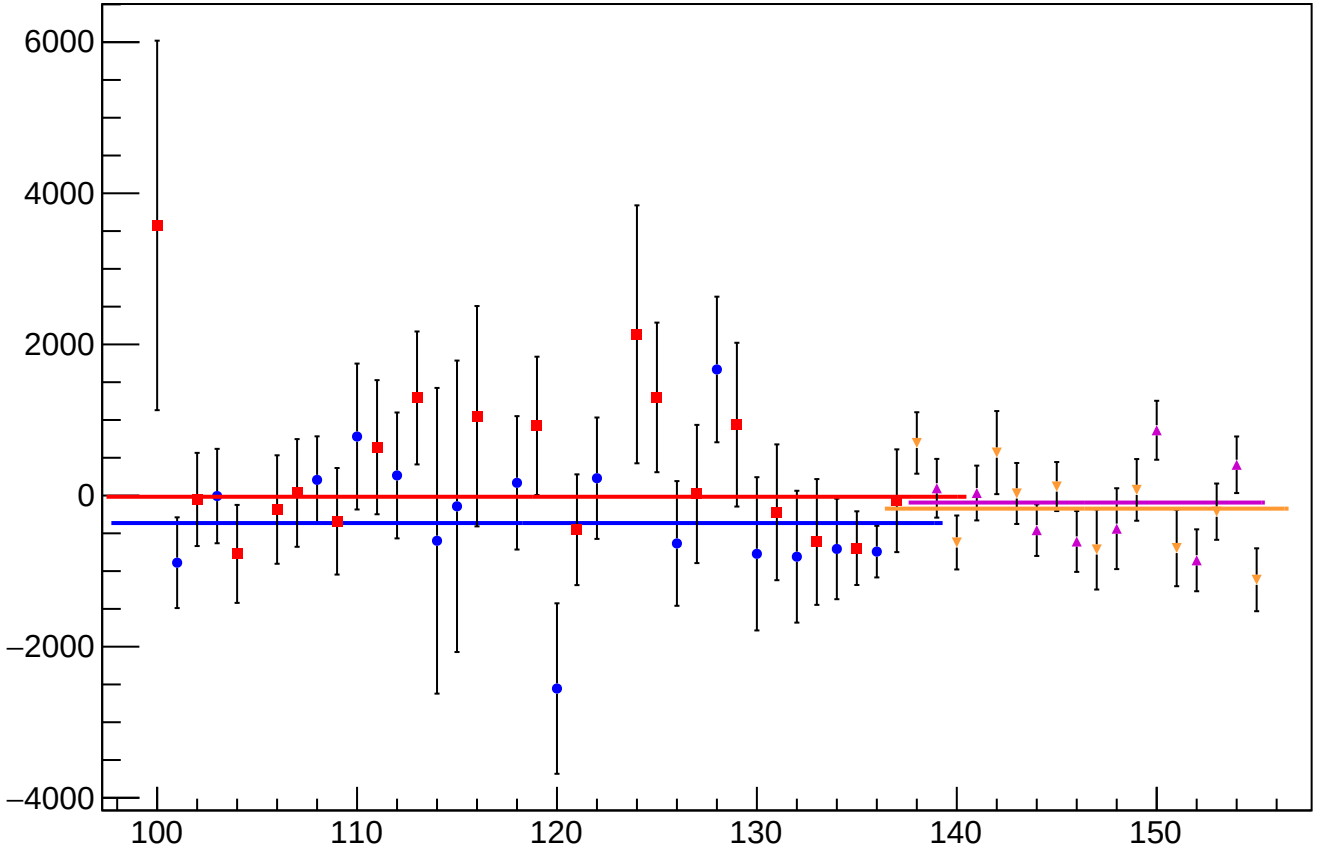
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.351+/-0.011 χ^2/NDF:491861.4/23

Out: 57.757+/-0.011 χ^2/NDF:526498.1/28

All: 58.041+/-0.008 χ^2/NDF: 1019869.9/52

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: -173.194+/-129.850 χ^2/NDF:16.6/9

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -92.694+/-138.513 χ^2/NDF:14.8/7

Left: -135.540+/-94.733 χ^2/NDF: 31.6/17

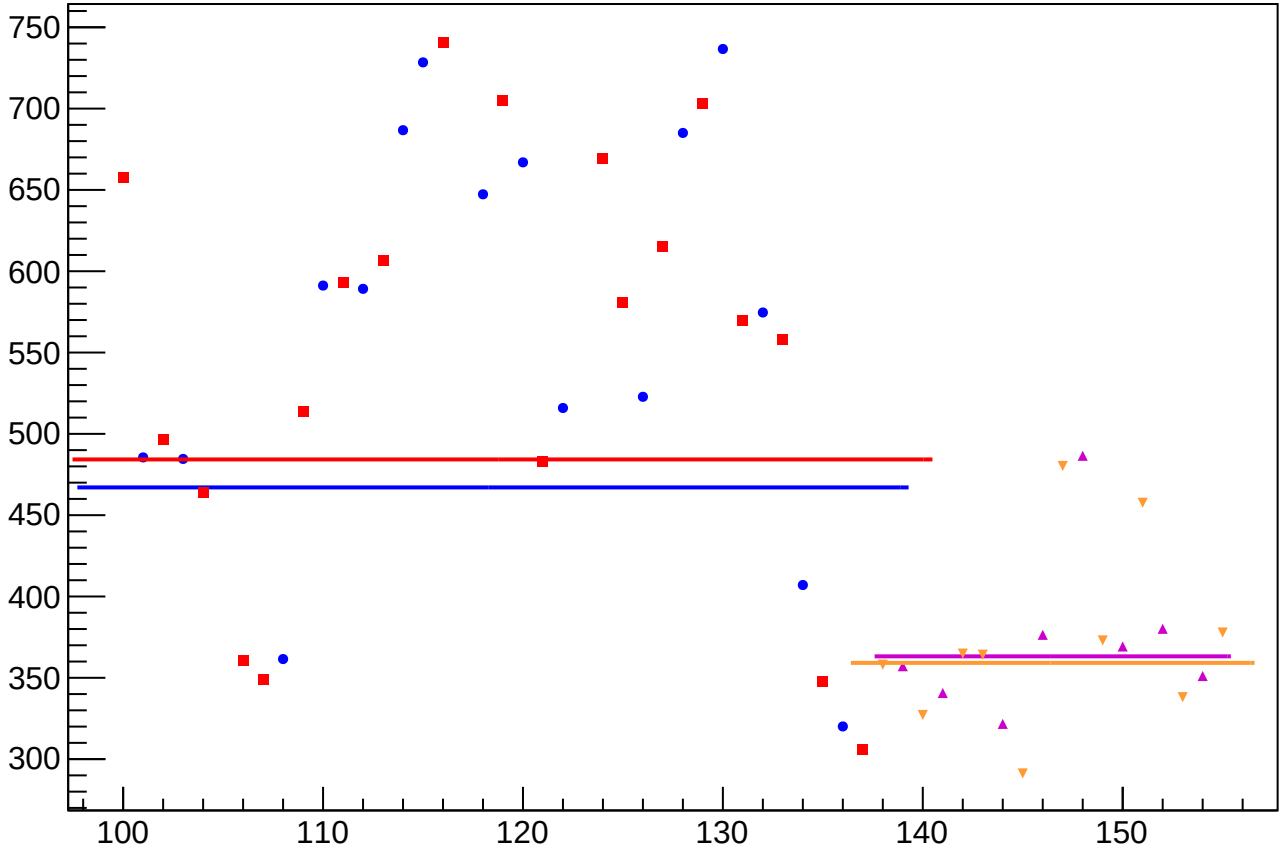
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -193.191+/-109.910 χ^2/NDF:31.5/23

Out: -120.831+/-106.025 χ^2/NDF:32.2/28

All: -155.709+/-76.307 χ^2/NDF: 63.9/52

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: 359.188+/-0.092 χ^2/NDF:297419.3/9

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 363.194+/-0.098 χ^2/NDF:152185.7/7

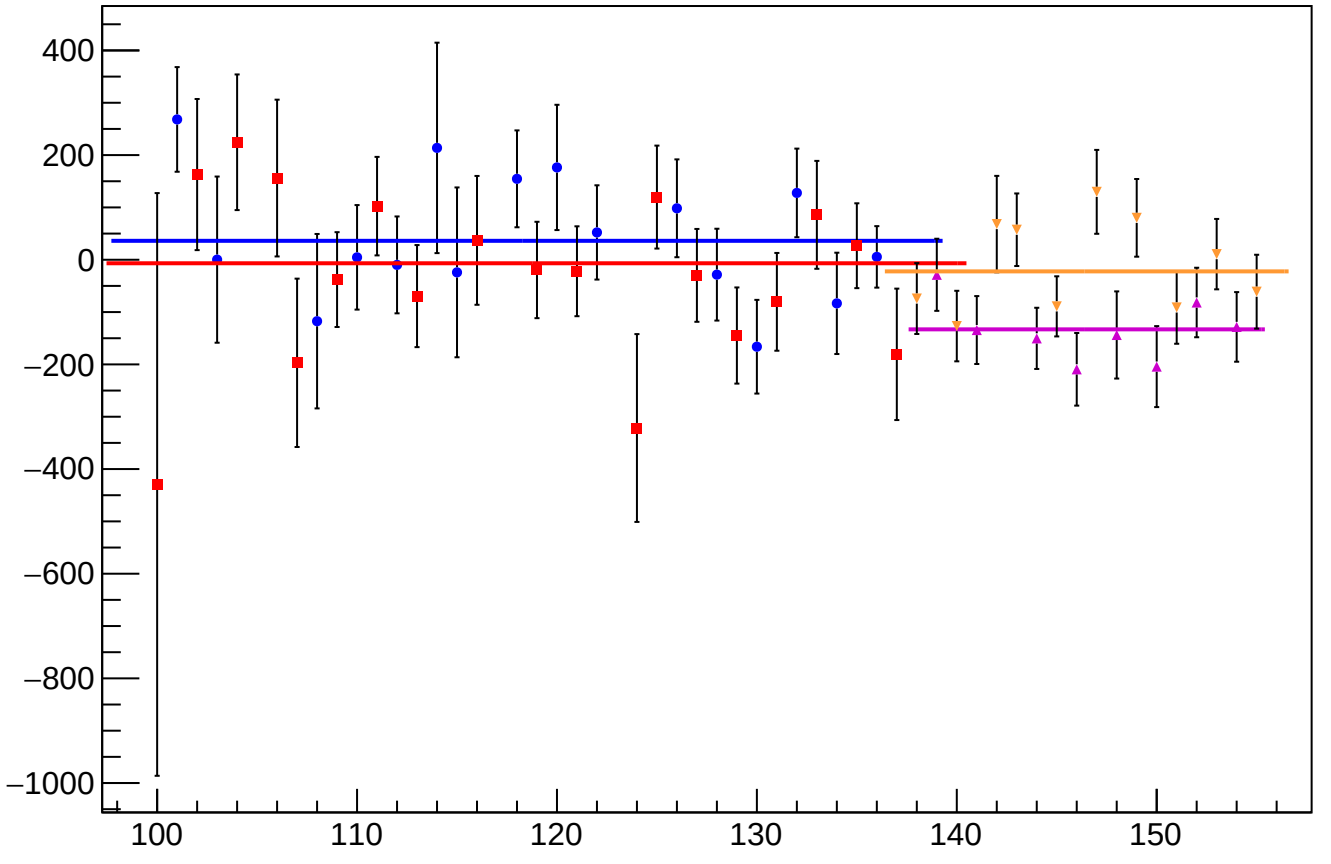
Left: 361.061+/-0.067 χ^2/NDF: 450495.3/17

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 401.666+/-0.078 χ^2/NDF:1599062.8/23

Out: 400.879+/-0.075 χ^2/NDF:1804795.6/28

All: 401.258+/-0.054 χ^2/NDF: 3403911.5/52



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -22.239+/-22.176 χ^2/NDF:13.7/9

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -133.027+/-24.168 χ^2/NDF:5.1/7

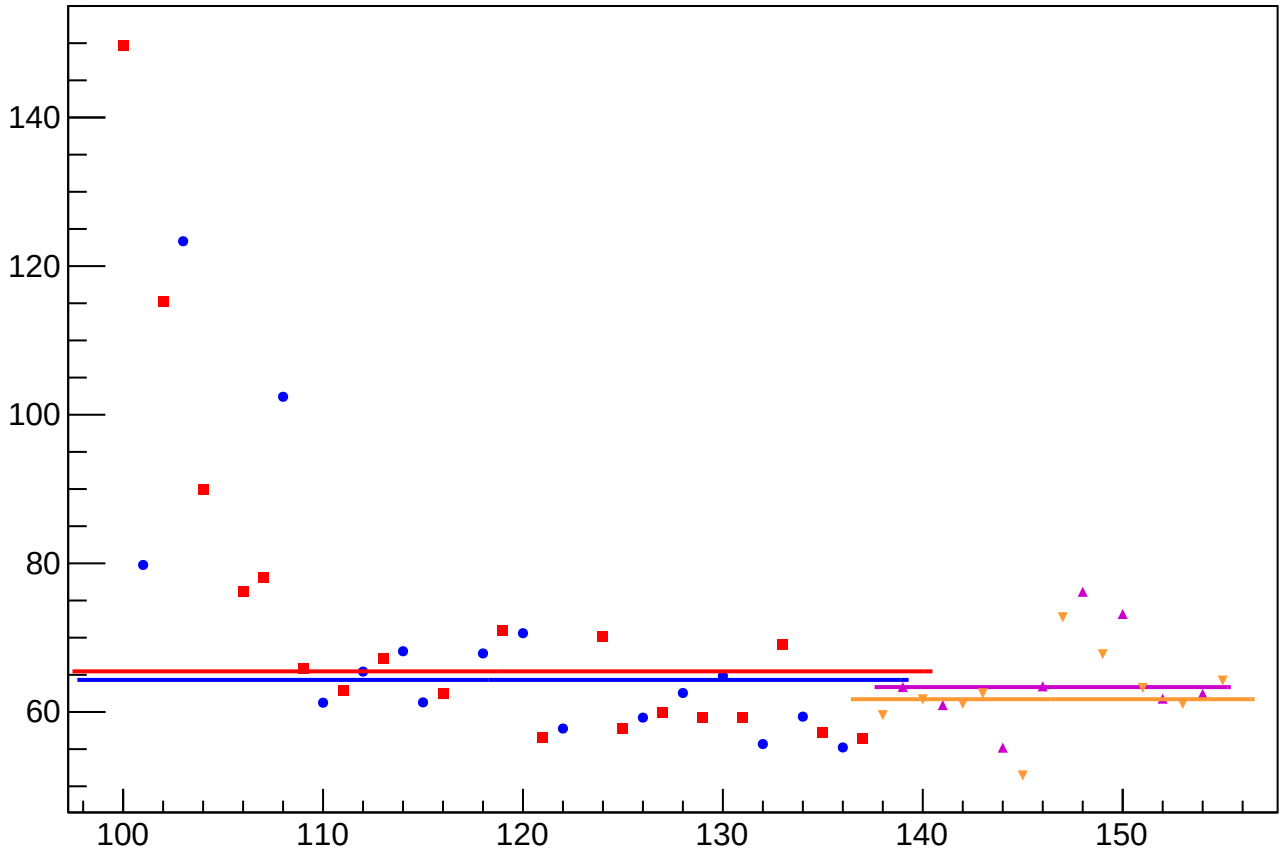
Left: -72.879+/-16.339 χ^2/NDF: 30.1/17

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -49.491+/-17.195 χ^2/NDF:48.9/23

Out: -15.277+/-16.461 χ^2/NDF:34.2/28

All: -31.637+/-11.891 χ^2/NDF: 85.2/52



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.717+/-0.016 χ^2/NDF:120979.9/9

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.350+/-0.017 χ^2/NDF:122909.7/7

Left: 62.463+/-0.012 χ^2/NDF: 248851.7/17

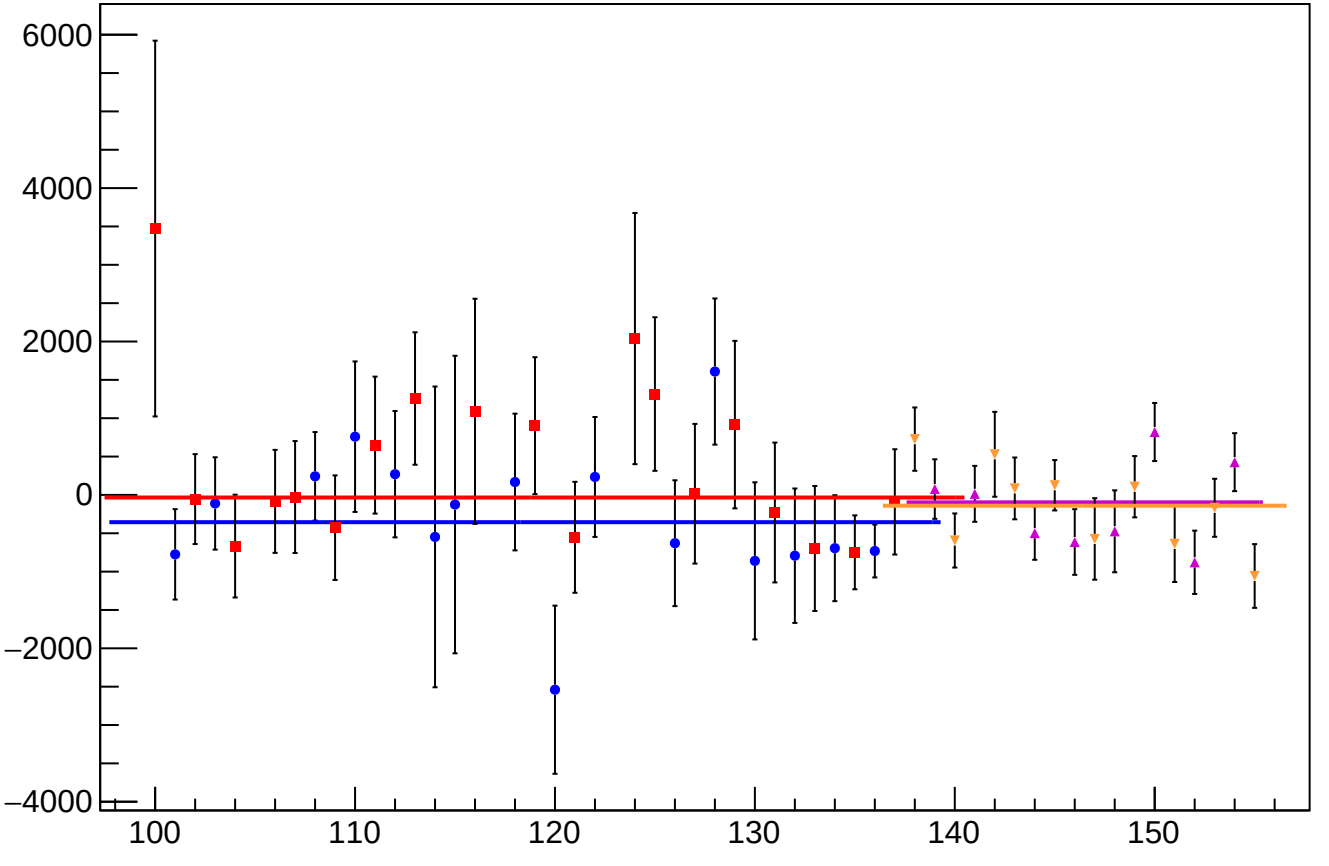
Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.827+/-0.012 χ^2/NDF:656552.1/23

Out: 63.400+/-0.012 χ^2/NDF:629013.8/28

All: 63.604+/-0.008 χ^2/NDF: 1286209.8/52

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: -140.524+/-129.916 χ^2/NDF:15.4/9

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -96.998+/-139.707 χ^2/NDF:14.9/7

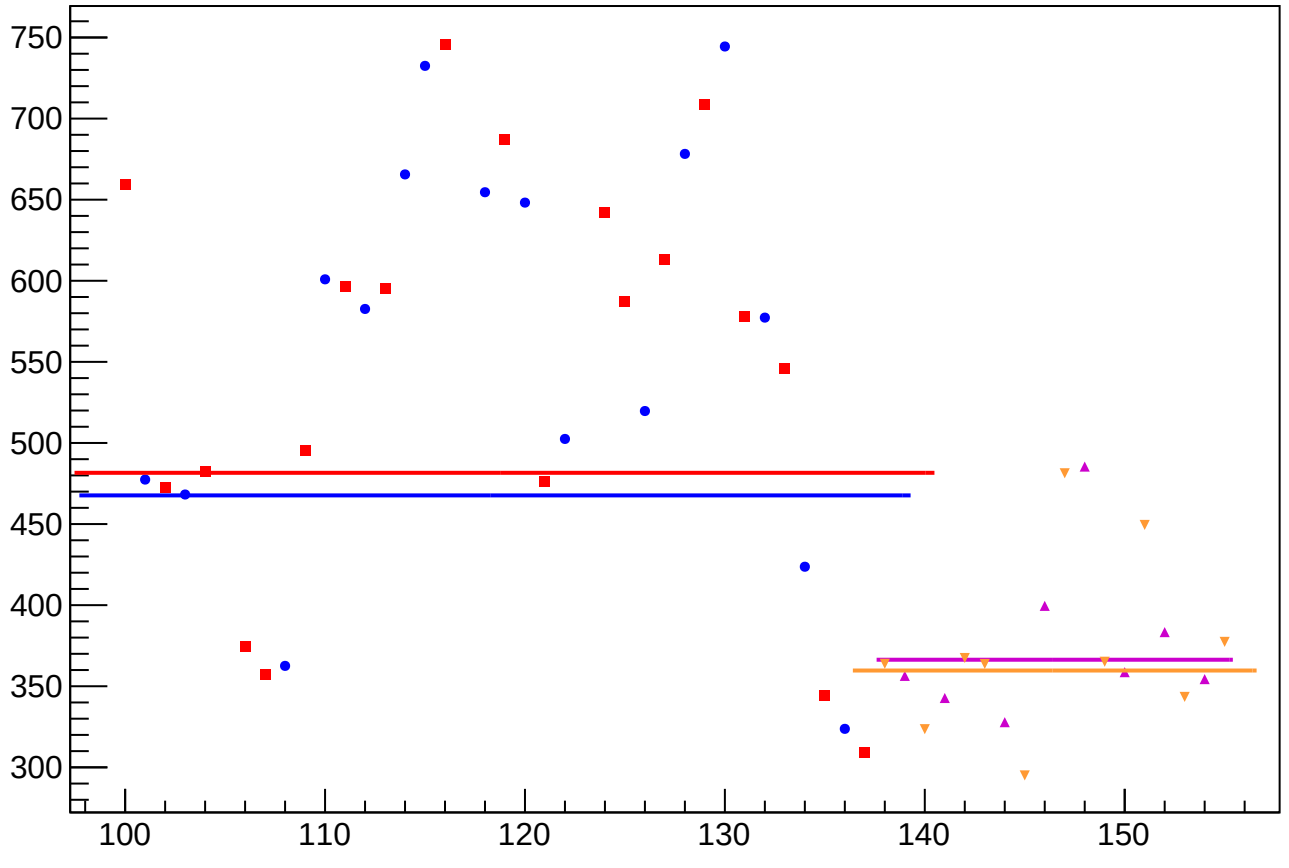
Left: -120.340+/-95.138 χ^2/NDF: 30.4/17

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -193.965+/-110.442 χ^2/NDF:31.0/23

Out: -104.380+/-105.654 χ^2/NDF:31.1/28

All: -147.188+/-76.345 χ^2/NDF: 62.4/52



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 359.699+/-0.092 χ^2/NDF:277092.9/9

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 366.349+/-0.099 χ^2/NDF:151880.8/7

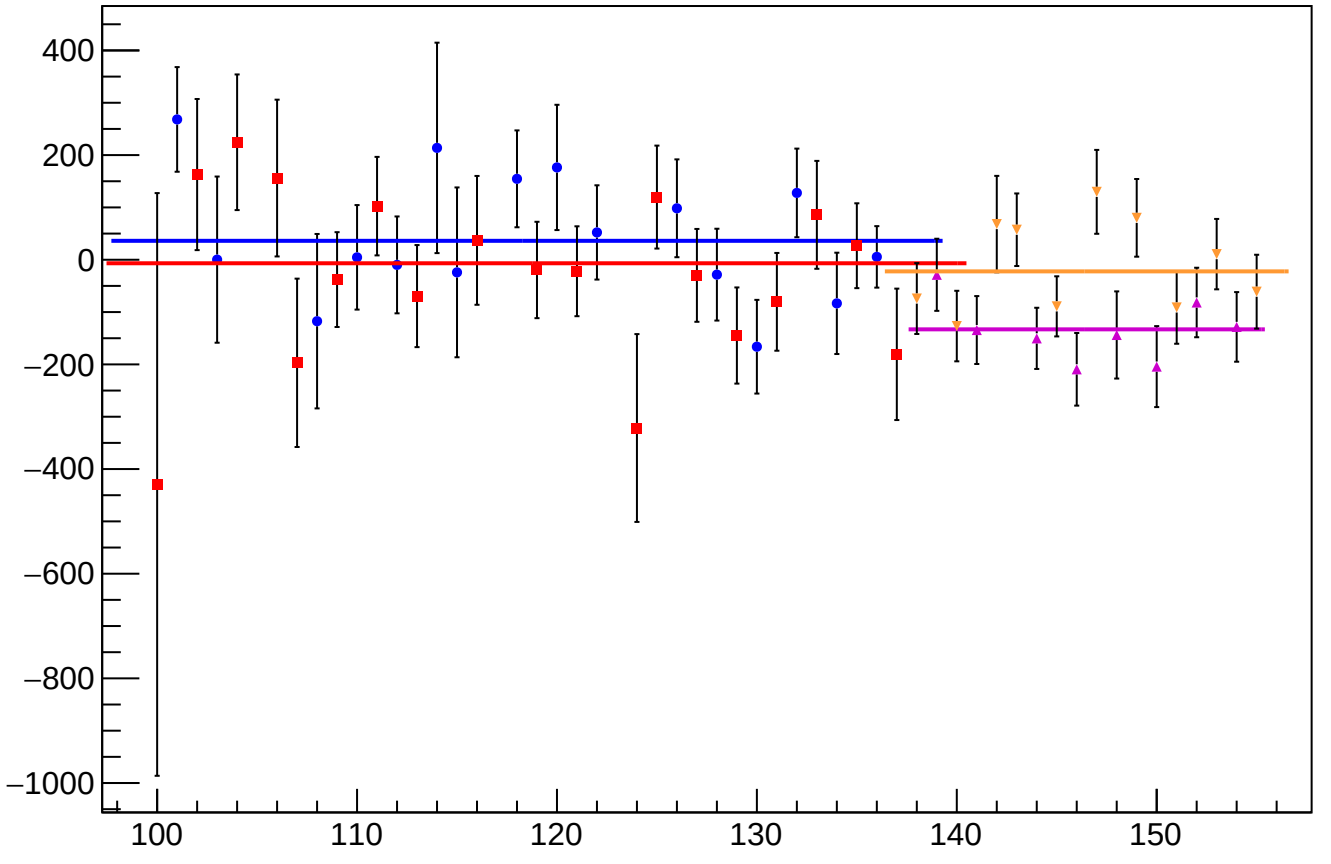
Left: 362.783+/-0.067 χ^2/NDF: 431403.5/17

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 404.353+/-0.078 χ^2/NDF:1532411.6/23

Out: 400.978+/-0.075 χ^2/NDF:1727640.2/28

All: 402.591+/-0.054 χ^2/NDF: 3261026.8/52



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -22.238+/-22.176 χ^2/NDF:13.7/9

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -133.027+/-24.168 χ^2/NDF:5.1/7

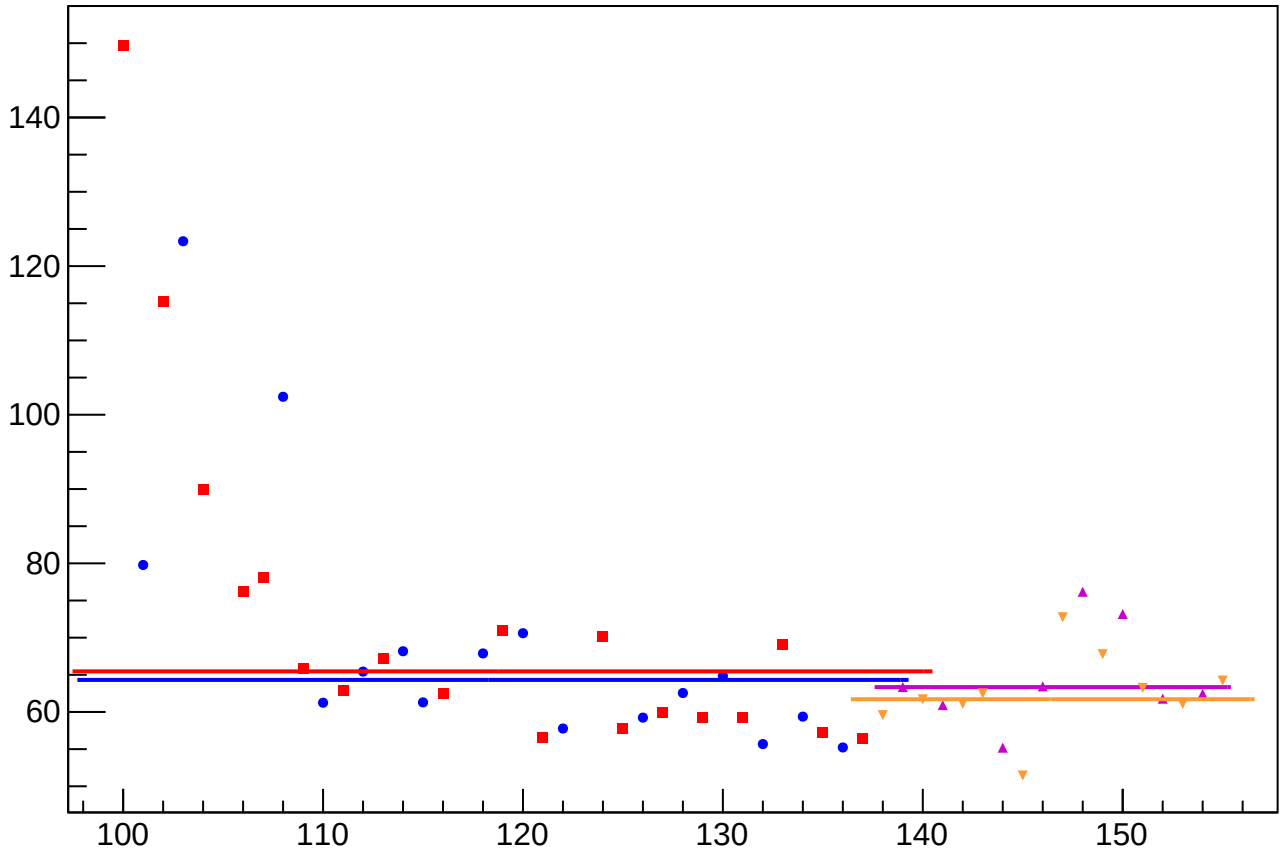
Left: -72.879+/-16.339 χ^2/NDF: 30.1/17

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -49.491+/-17.195 χ^2/NDF:48.9/23

Out: -15.277+/-16.461 χ^2/NDF:34.2/28

All: -31.637+/-11.891 χ^2/NDF: 85.2/52



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.717+/-0.016 χ^2/NDF:120983.1/9

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.351+/-0.017 χ^2/NDF:122911.7/7

Left: 62.464+/-0.012 χ^2/NDF: 248856.9/17

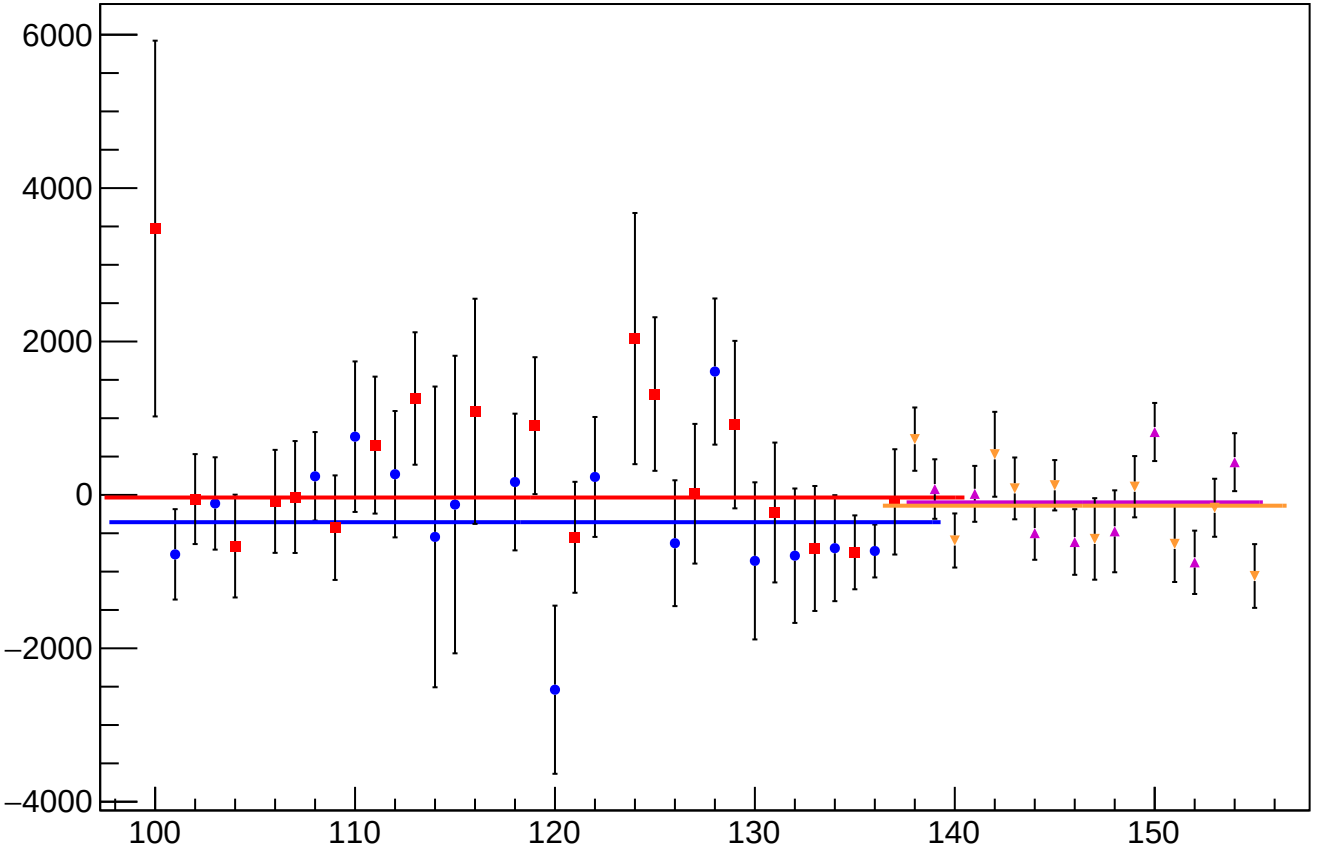
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.827+/-0.012 χ^2/NDF:656561.8/23

Out: 63.400+/-0.012 χ^2/NDF:629020.1/28

All: 63.604+/-0.008 χ^2/NDF: 1286225.8/52

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -140.524+/-129.916 χ^2/NDF:15.4/9

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -96.998+/-139.707 χ^2/NDF:14.9/7

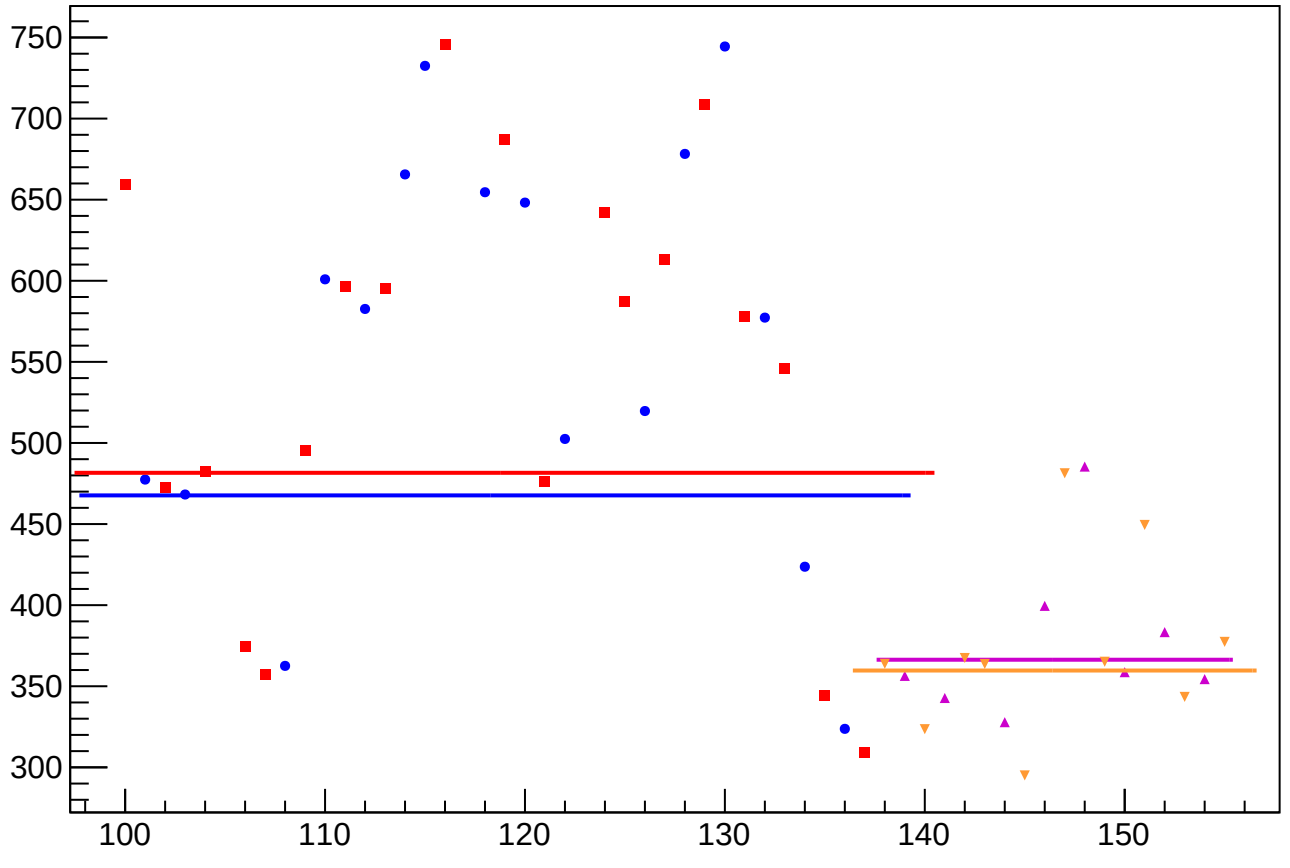
Left: -120.340+/-95.138 χ^2/NDF: 30.4/17

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -193.965+/-110.442 χ^2/NDF:31.0/23

Out: -104.379+/-105.654 χ^2/NDF:31.1/28

All: -147.188+/-76.345 χ^2/NDF: 62.4/52



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 359.699+/-0.092 χ^2/NDF:277092.2/9

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 366.349+/-0.099 χ^2/NDF:151880.3/7

Left: 362.783+/-0.067 χ^2/NDF: 431402.5/17

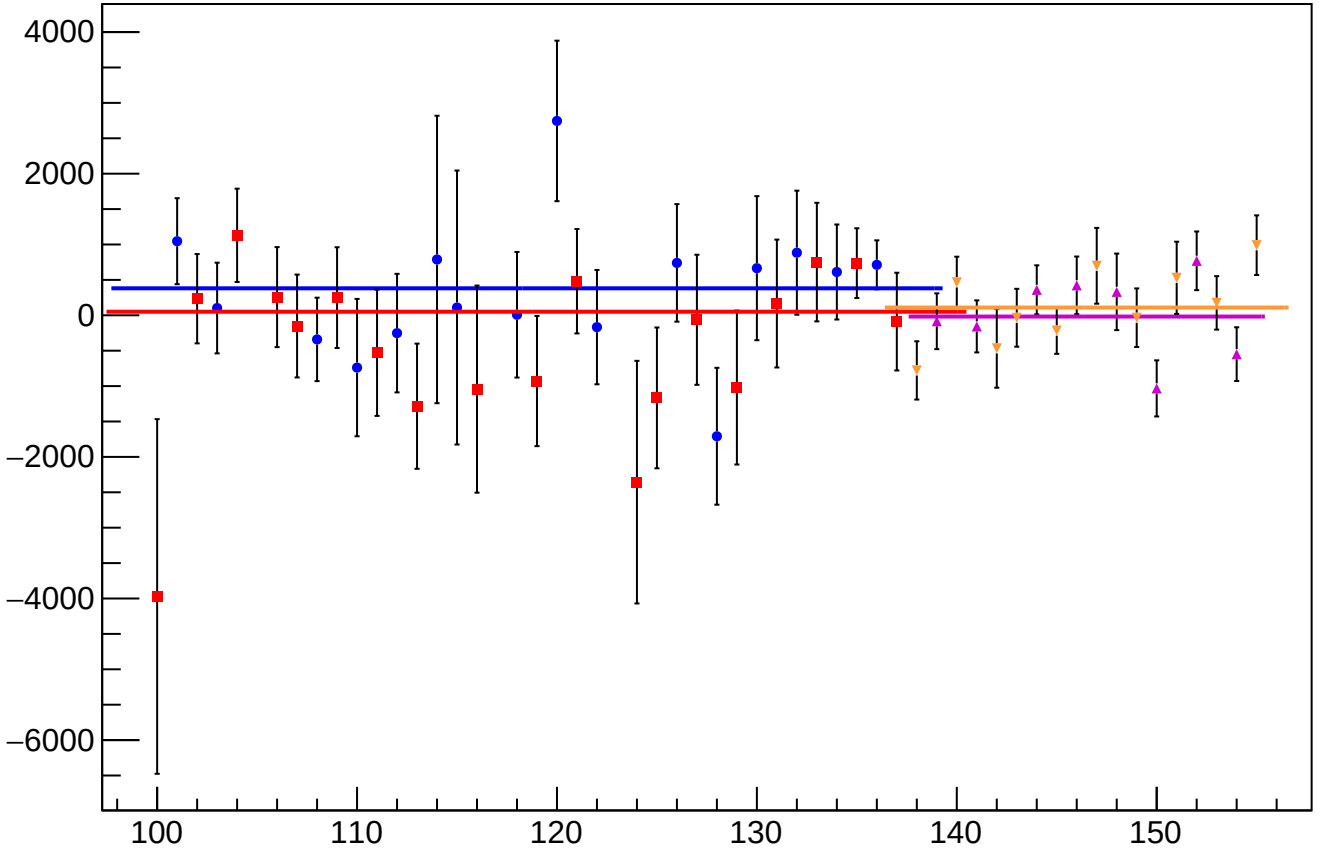
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 404.353+/-0.078 χ^2/NDF:1532406.2/23

Out: 400.978+/-0.075 χ^2/NDF:1727631.1/28

All: 402.591+/-0.054 χ^2/NDF: 3261012.4/52

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 109.399+/-131.508 χ^2/NDF:14.2/9

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -18.001+/-140.335 χ^2/NDF:15.1/7

Left: 49.831+/-95.959 χ^2/NDF: 29.7/17

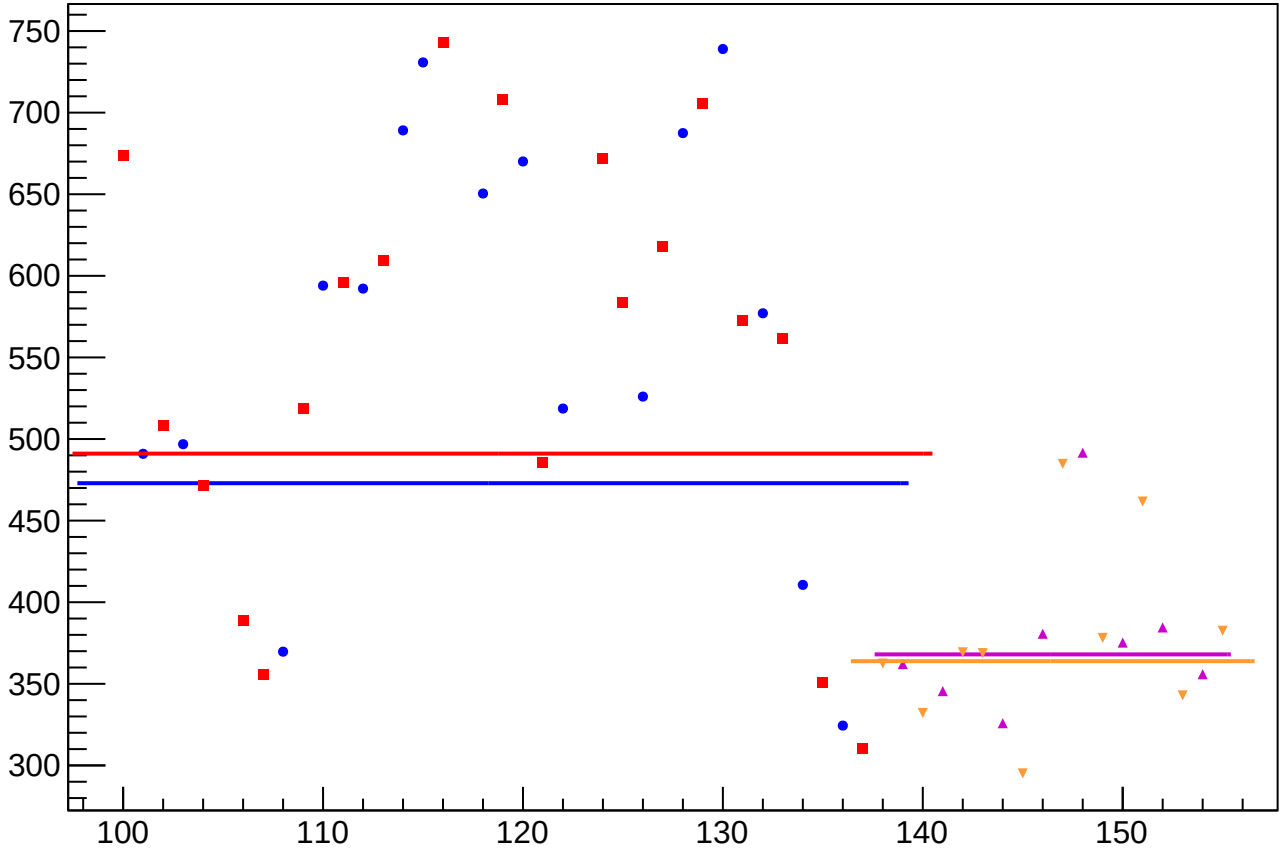
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 130.134+/-111.282 χ^2/NDF:34.2/23

Out: 89.628+/-107.237 χ^2/NDF:31.8/28

All: 109.131+/-77.219 χ^2/NDF: 66.0/52

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 363.877+/-0.093 χ^2/NDF:291597.3/9

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 368.043+/-0.099 χ^2/NDF:150076.6/7

Left: 365.825+/-0.068 χ^2/NDF: 442612.2/17

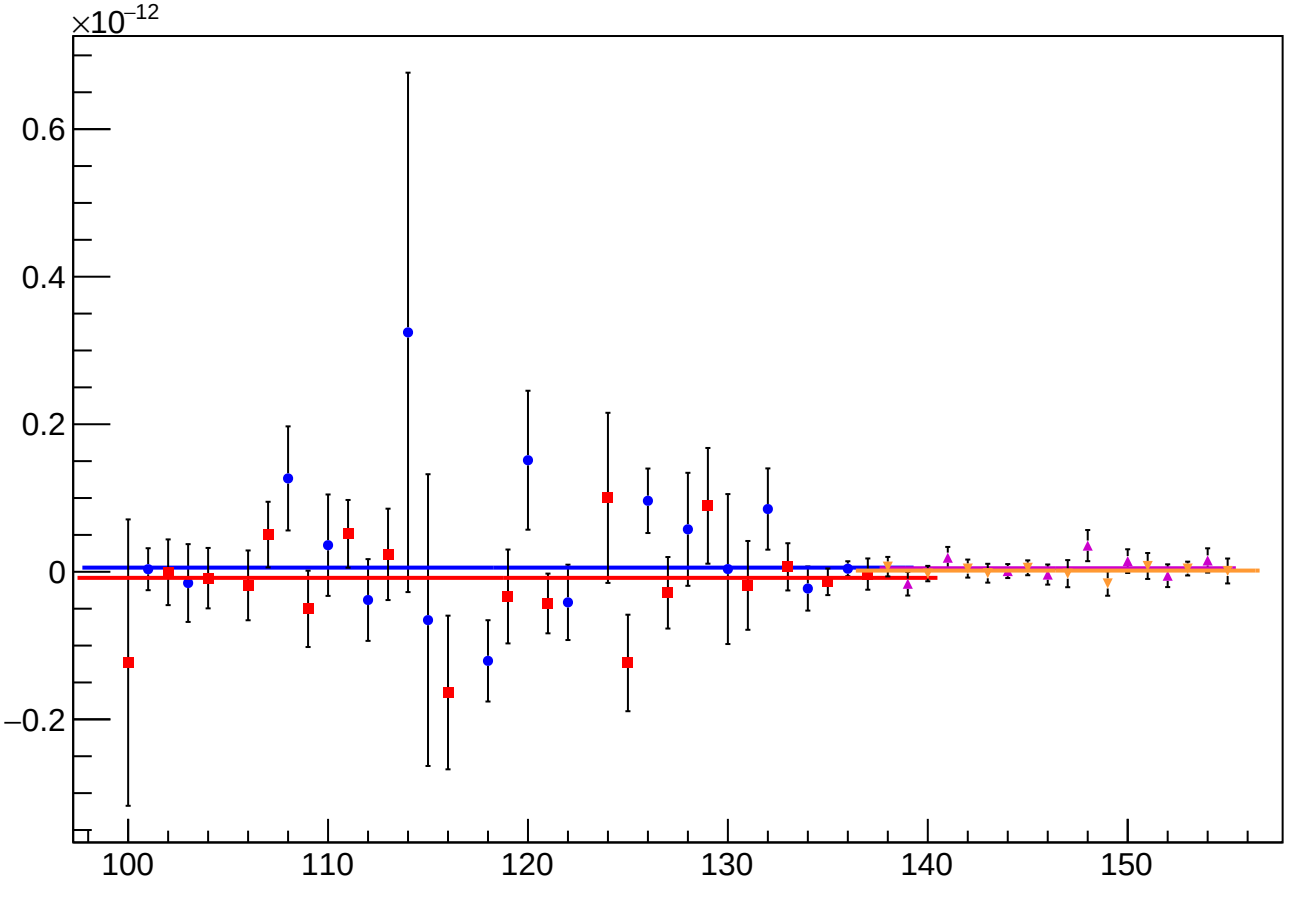
Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 406.973+/-0.079 χ^2/NDF:1565008.3/23

Out: 406.491+/-0.076 χ^2/NDF:1765879.6/28

All: 406.723+/-0.055 χ^2/NDF: 3330907.4/52

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.9/9

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/7

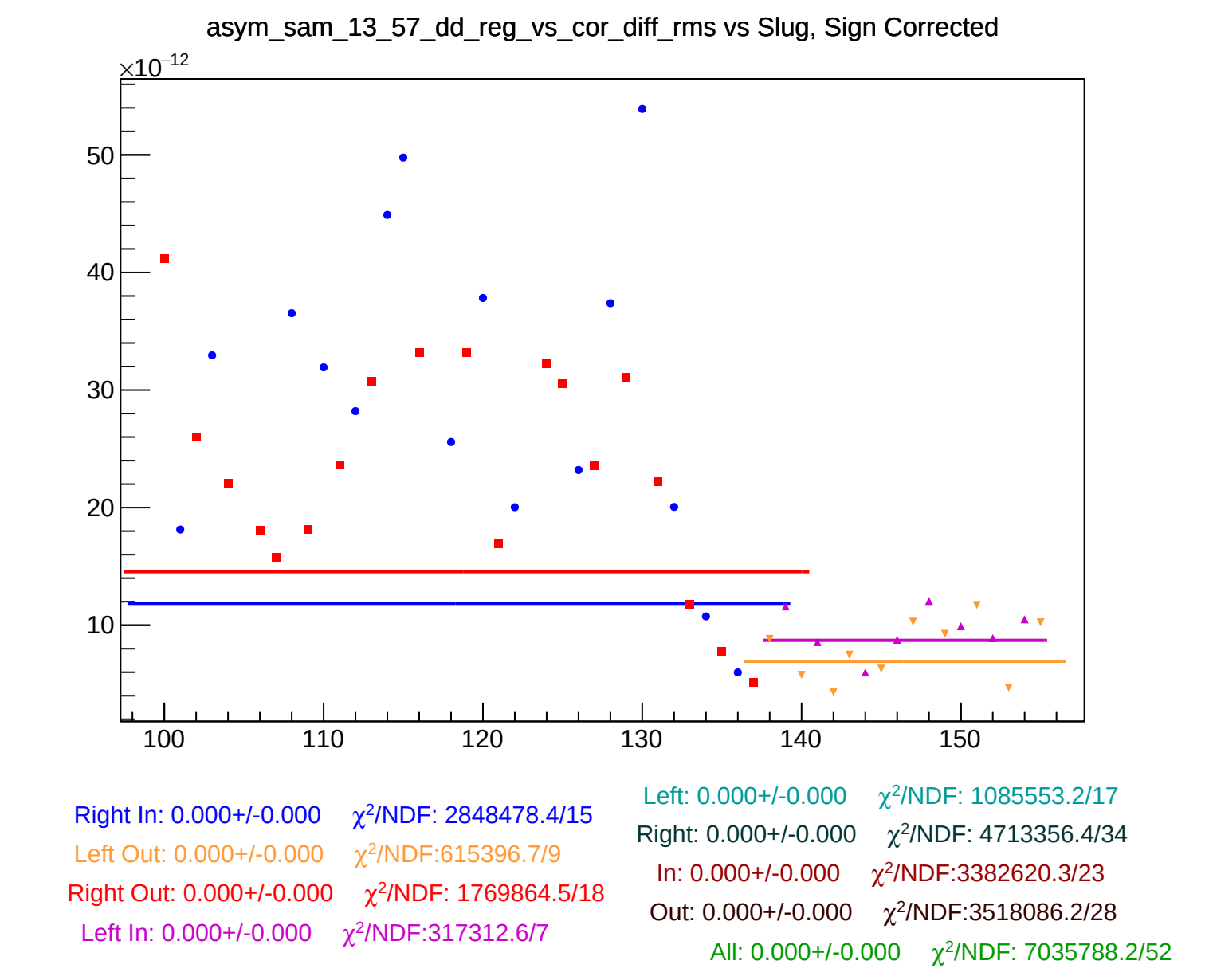
Left: 0.000+/-0.000 χ^2/NDF: 8.7/17

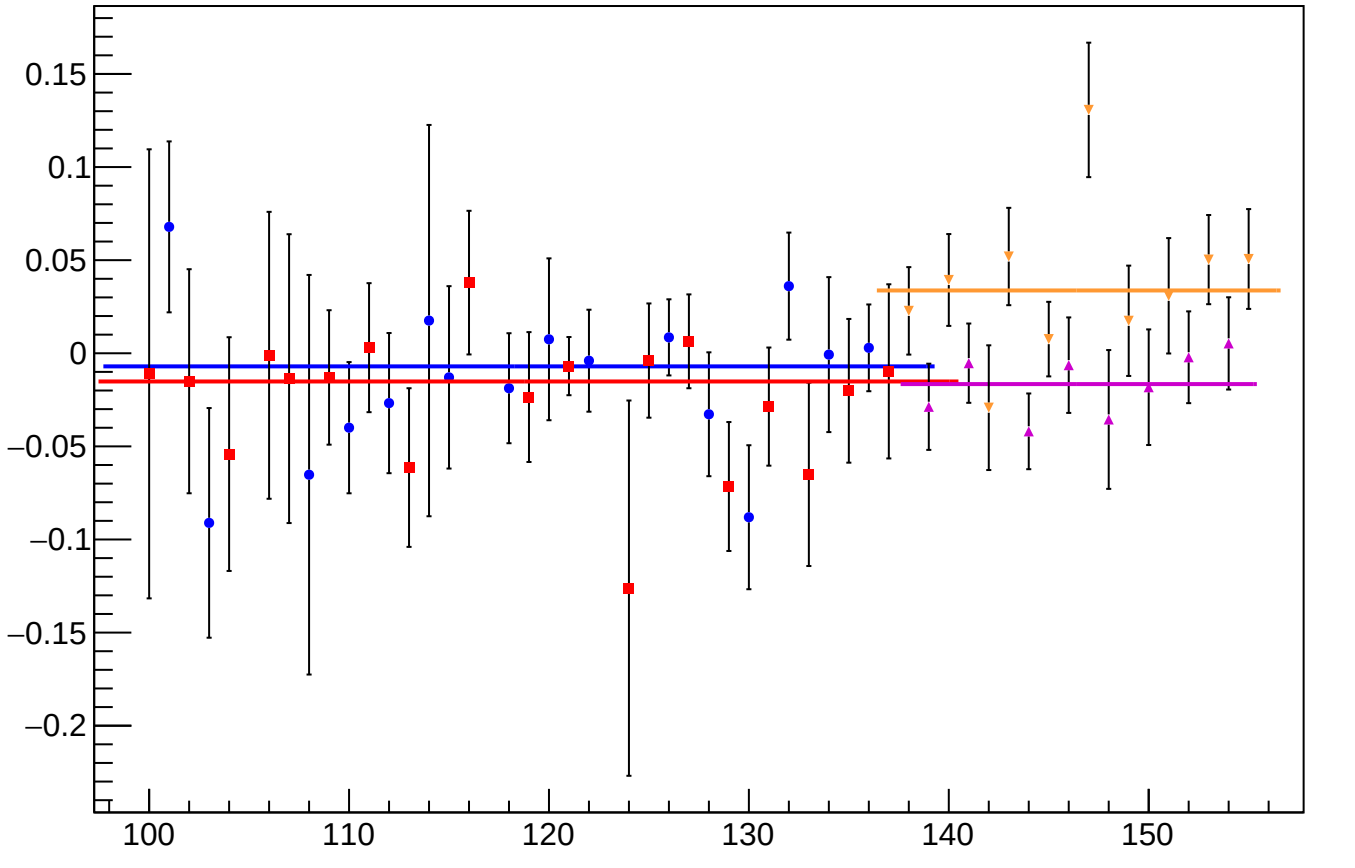
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:27.7/23

Out: 0.000+/-0.000 χ^2/NDF:16.9/28

All: 0.000+/-0.000 χ^2/NDF: 45.3/52


asym_sam_13_57_dd_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: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:615396.7/9
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:317312.6/7
Left: 0.000+/-0.000 χ²/NDF: 1085553.2/17
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:3382620.3/23
Out: 0.000+/-0.000 χ²/NDF:3518086.2/28
All: 0.000+/-0.000 χ²/NDF: 7035788.2/52



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.034+/-0.008 χ^2/NDF:14.4/9

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.017+/-0.009 χ^2/NDF:3.7/7

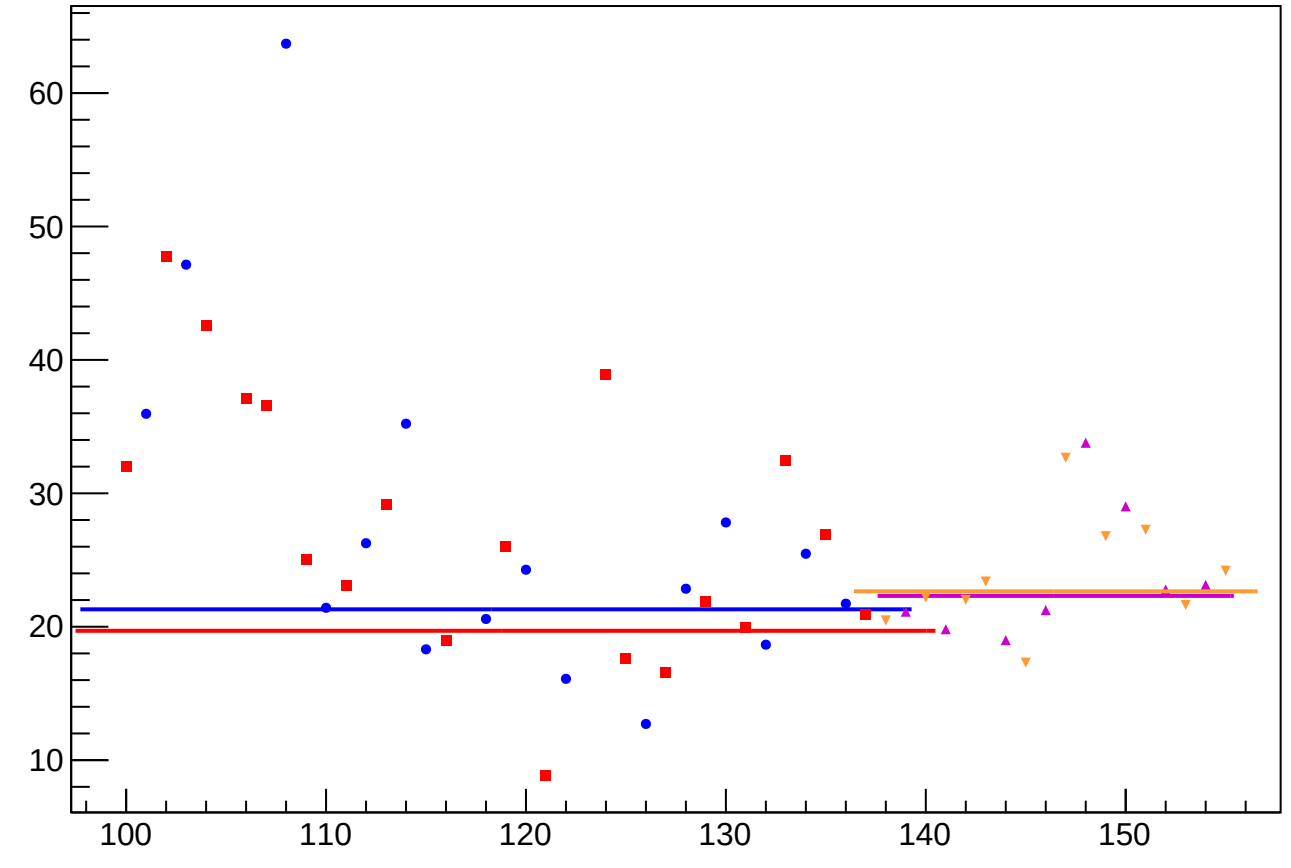
Left: 0.010+/-0.006 χ^2/NDF: 35.3/17

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.012+/-0.006 χ^2/NDF:18.6/23

Out: 0.009+/-0.006 χ^2/NDF:41.9/28

All: -0.001+/-0.004 χ^2/NDF: 66.4/52



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.654+/-0.006 χ^2/NDF:410001.1/9

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 22.312+/-0.006 χ^2/NDF:375473.6/7

Left: 22.491+/-0.004 χ^2/NDF: 787078.1/17

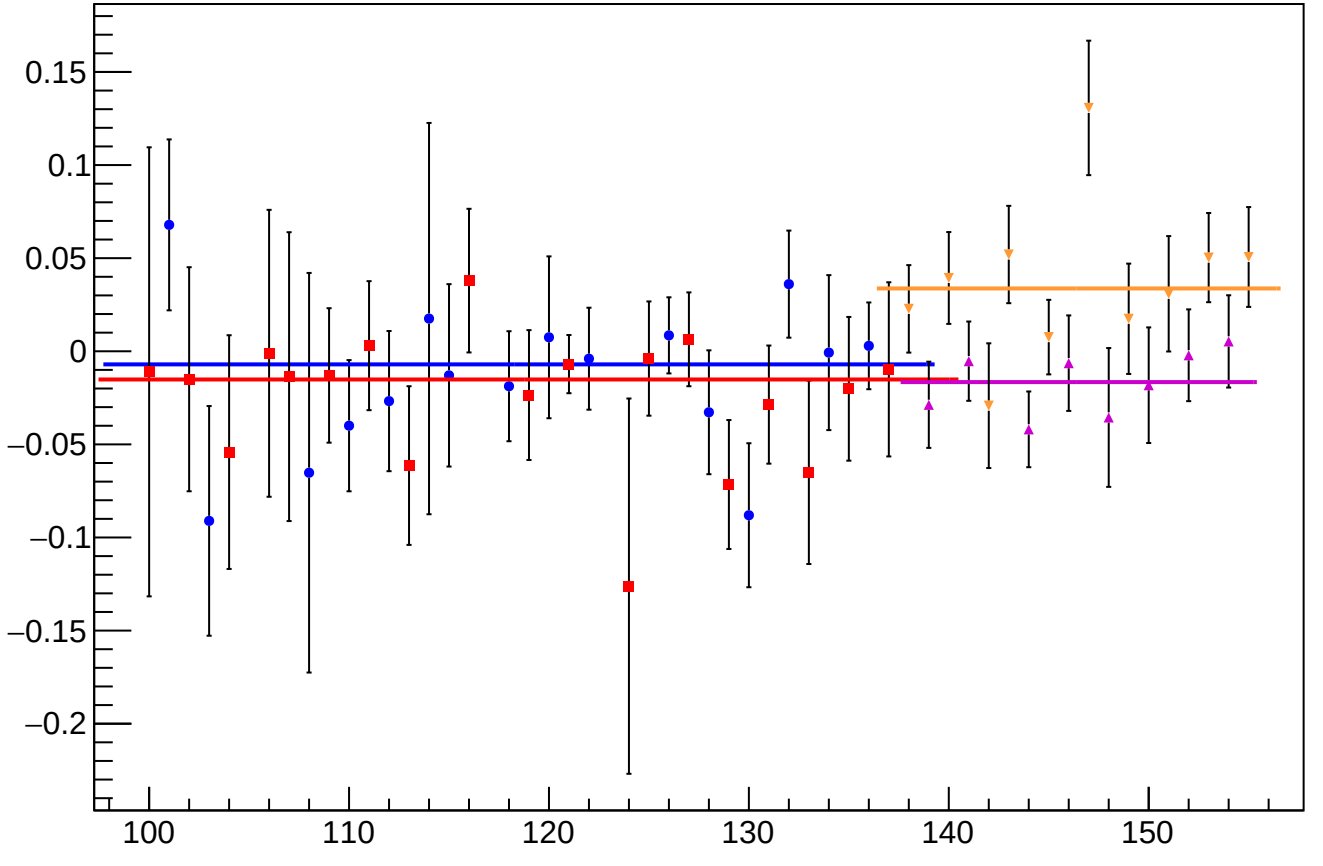
Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.801+/-0.004 χ^2/NDF:1868285.9/23

Out: 21.156+/-0.004 χ^2/NDF:2976510.8/28

All: 21.463+/-0.003 χ^2/NDF: 4856357.3/52

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.034+/-0.008 χ^2/NDF:14.4/9

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.017+/-0.009 χ^2/NDF:3.7/7

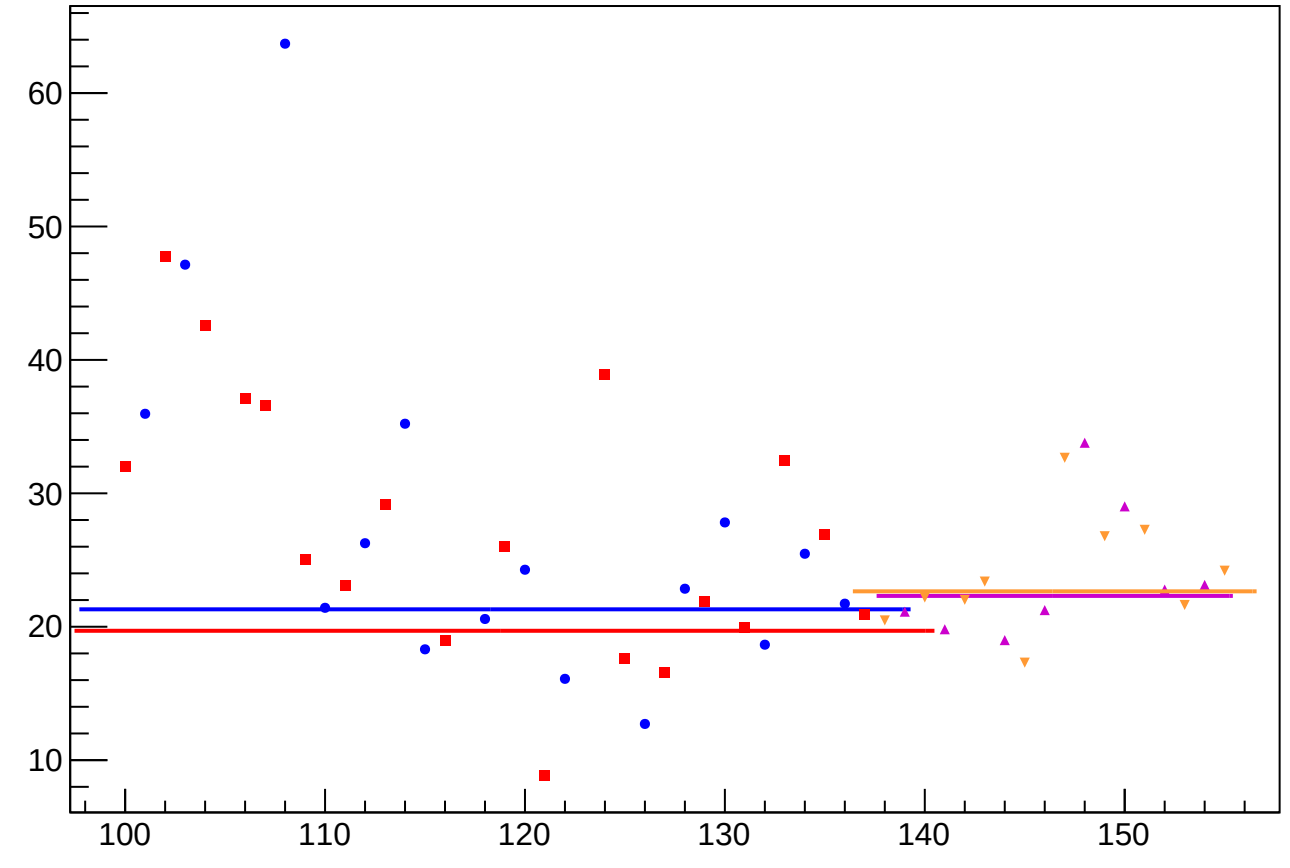
Left: 0.010+/-0.006 χ^2/NDF: 35.3/17

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.012+/-0.006 χ^2/NDF:18.6/23

Out: 0.009+/-0.006 χ^2/NDF:41.9/28

All: -0.001+/-0.004 χ^2/NDF: 66.4/52



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.654+/-0.006 χ^2/NDF:410001.1/9

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 22.312+/-0.006 χ^2/NDF:375473.6/7

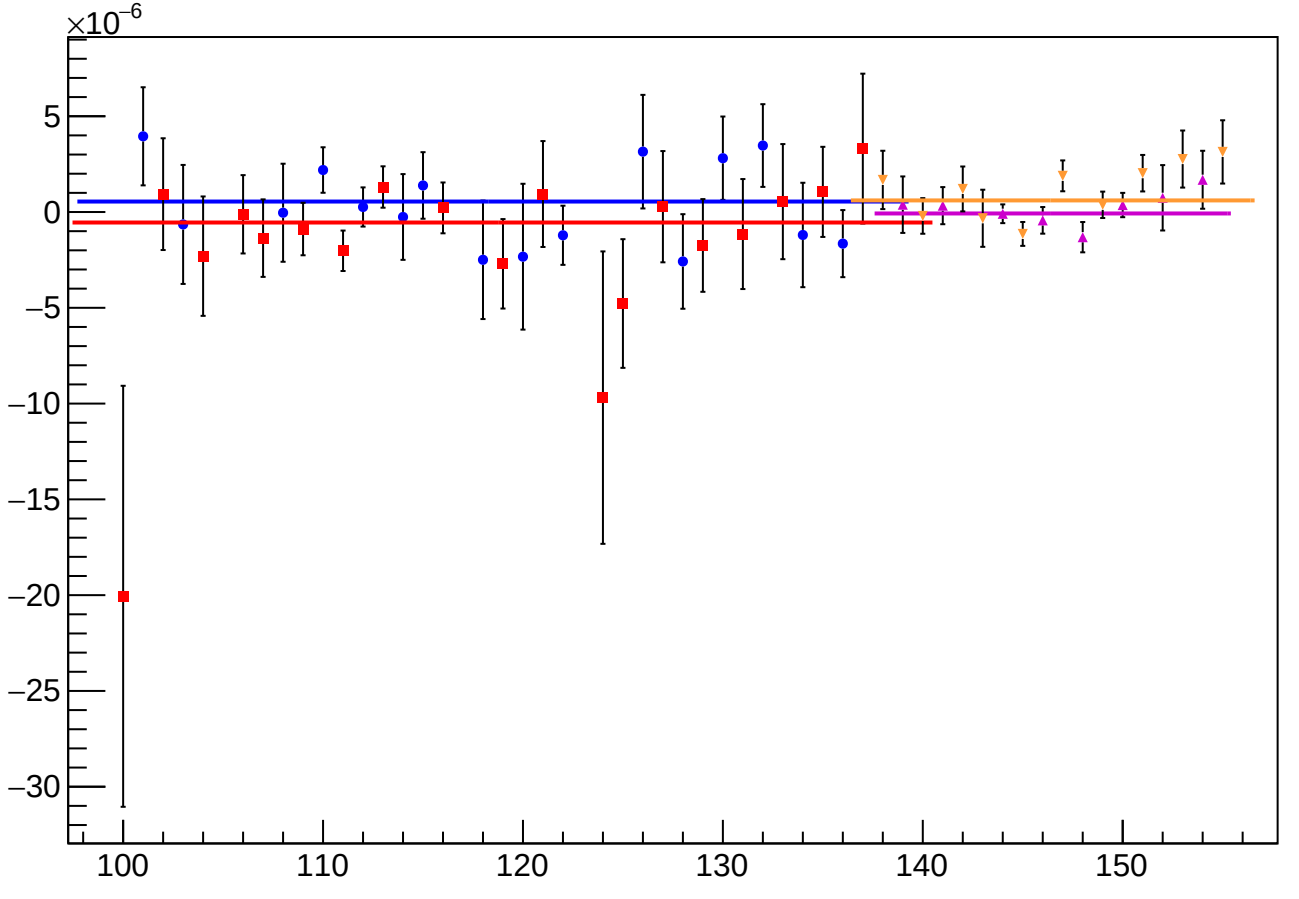
Left: 22.491+/-0.004 χ^2/NDF: 787078.1/17

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.801+/-0.004 χ^2/NDF:1868285.9/23

Out: 21.156+/-0.004 χ^2/NDF:2976510.8/28

All: 21.463+/-0.003 χ^2/NDF: 4856357.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/9

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:5.1/7

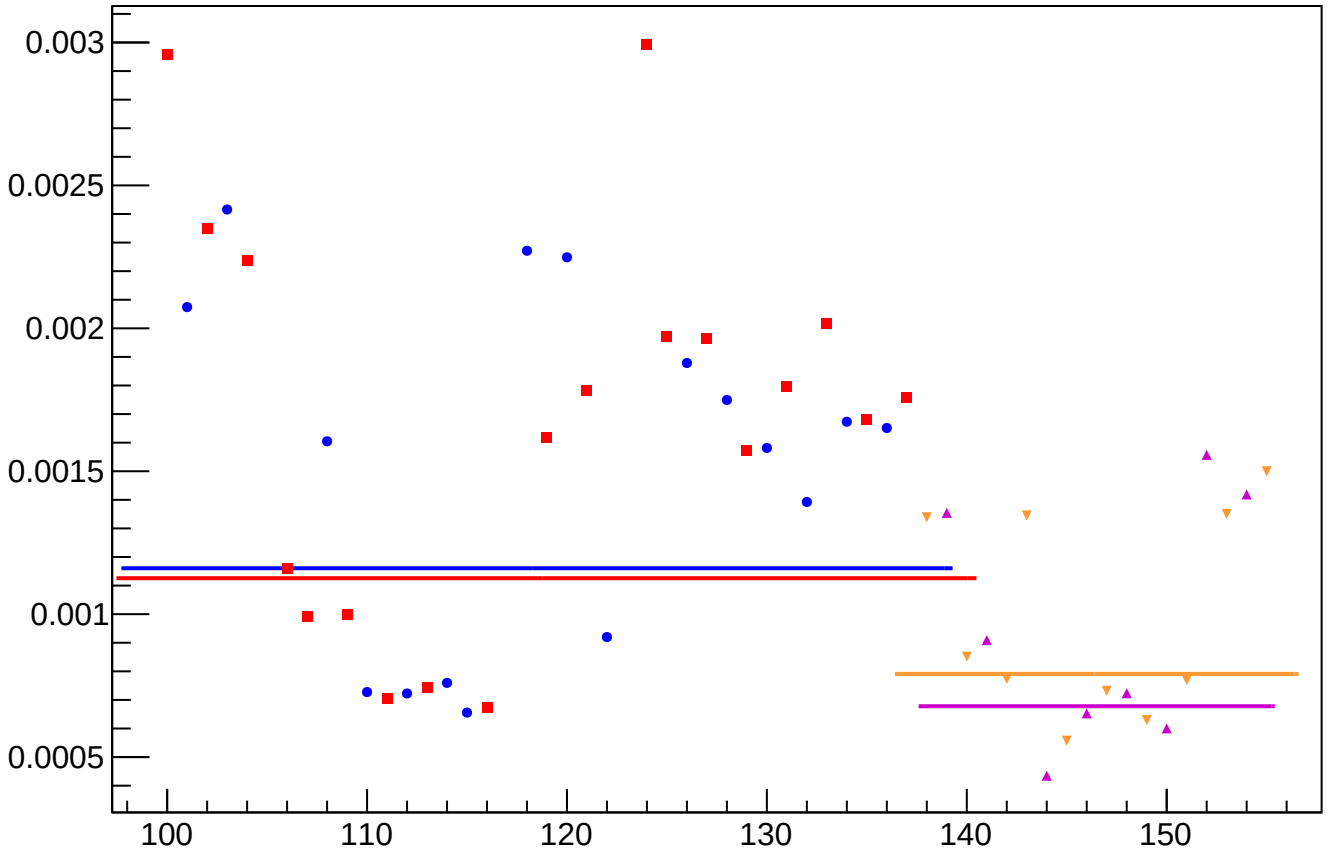
Left: 0.000+/-0.000 χ^2/NDF: 26.9/17

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: 0.000+/-0.000 χ^2/NDF:20.8/23

Out: 0.000+/-0.000 χ^2/NDF:38.8/28

All: 0.000+/-0.000 χ^2/NDF: 59.8/52



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1597577.9/9

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:2078142.5/7

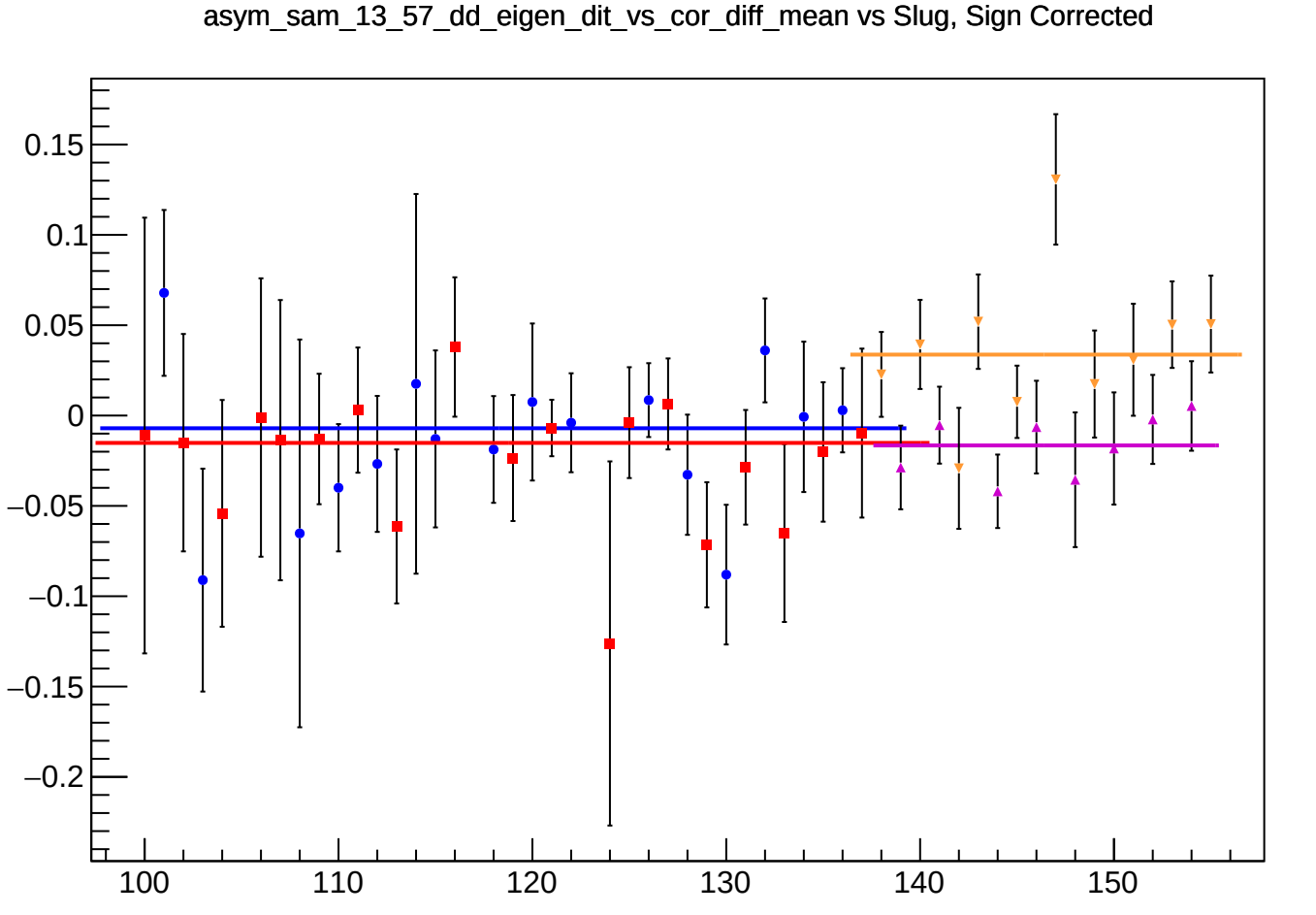
Left: 0.001+/-0.000 χ^2/NDF: 3825299.7/17

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

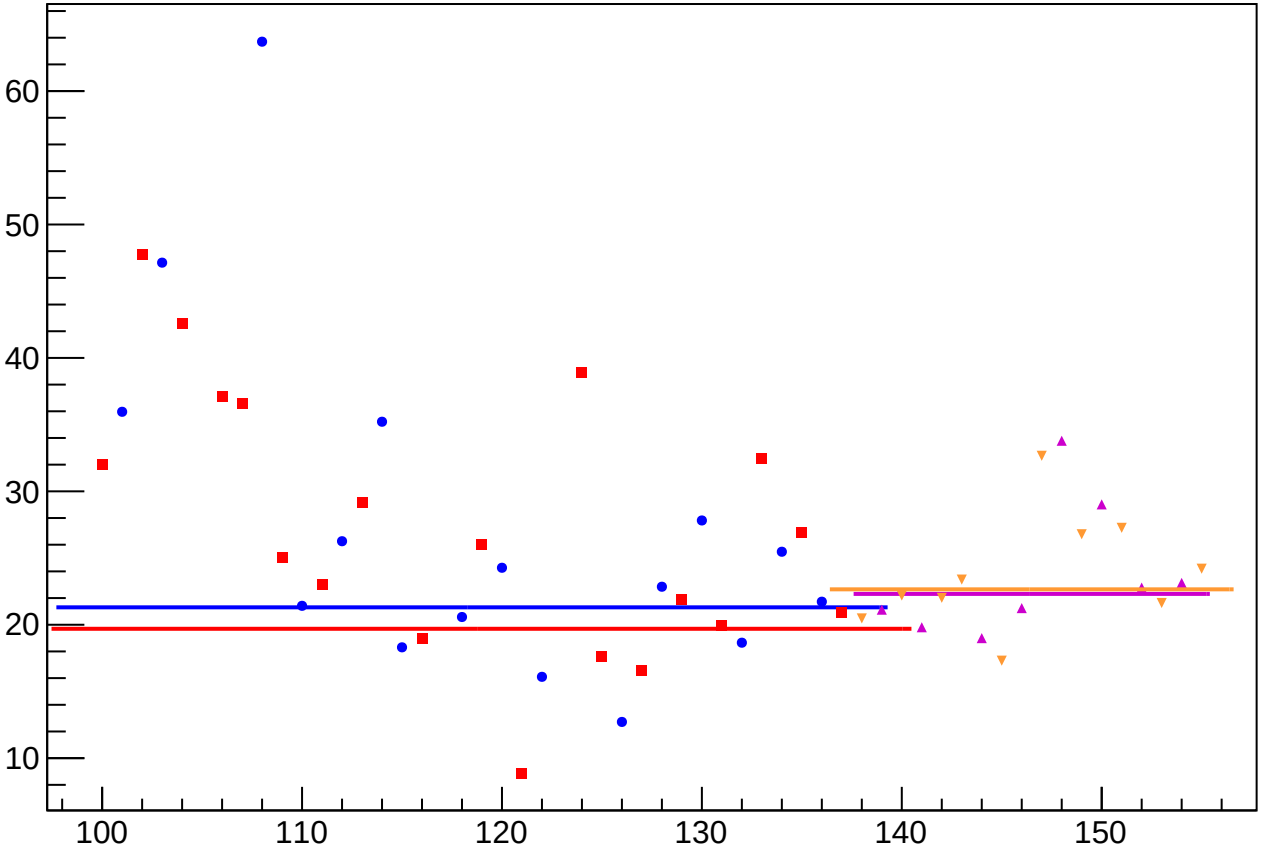
In: 0.001+/-0.000 χ^2/NDF:6124242.3/23

Out: 0.001+/-0.000 χ^2/NDF:4964334.9/28

All: 0.001+/-0.000 χ^2/NDF: 11222849.3/52


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.034+/-0.008 χ²/NDF:14.4/9
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.017+/-0.009 χ²/NDF:3.7/7
Left: 0.010+/-0.006 χ²/NDF: 35.3/17
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.012+/-0.006 χ²/NDF:18.6/23
Out: 0.009+/-0.006 χ²/NDF:41.9/28
All: -0.001+/-0.004 χ²/NDF: 66.4/52

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 22.654+/-0.006 χ^2/NDF:410034.8/9

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 22.312+/-0.006 χ^2/NDF:375487.8/7

Left: 22.491+/-0.004 χ^2/NDF: 787125.3/17

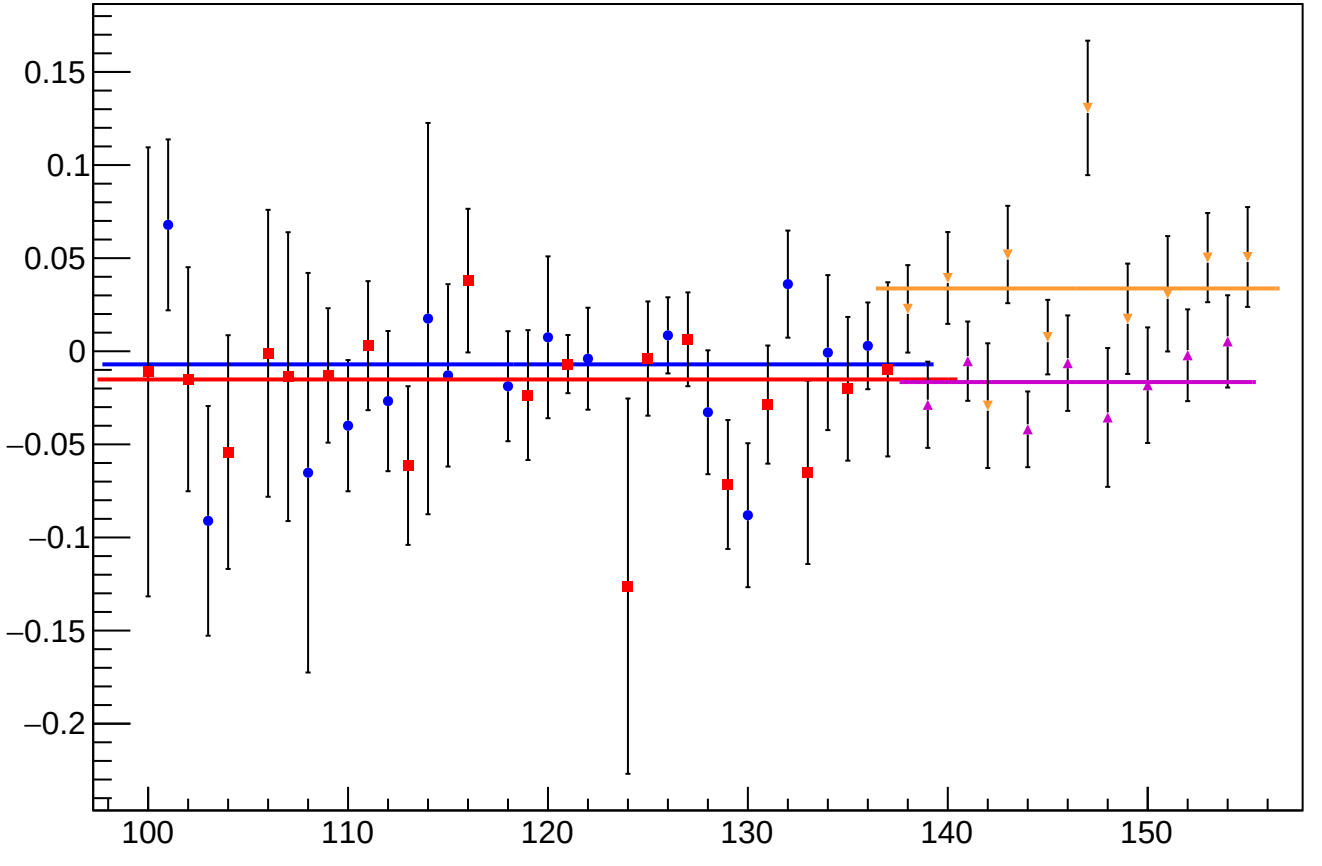
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 21.801+/-0.004 χ^2/NDF:1868134.3/23

Out: 21.156+/-0.004 χ^2/NDF:2976141.8/28

All: 21.463+/-0.003 χ^2/NDF: 4855830.7/52

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.034+/-0.008 χ^2/NDF:14.4/9

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.017+/-0.009 χ^2/NDF:3.7/7

Left: 0.010+/-0.006 χ^2/NDF: 35.3/17

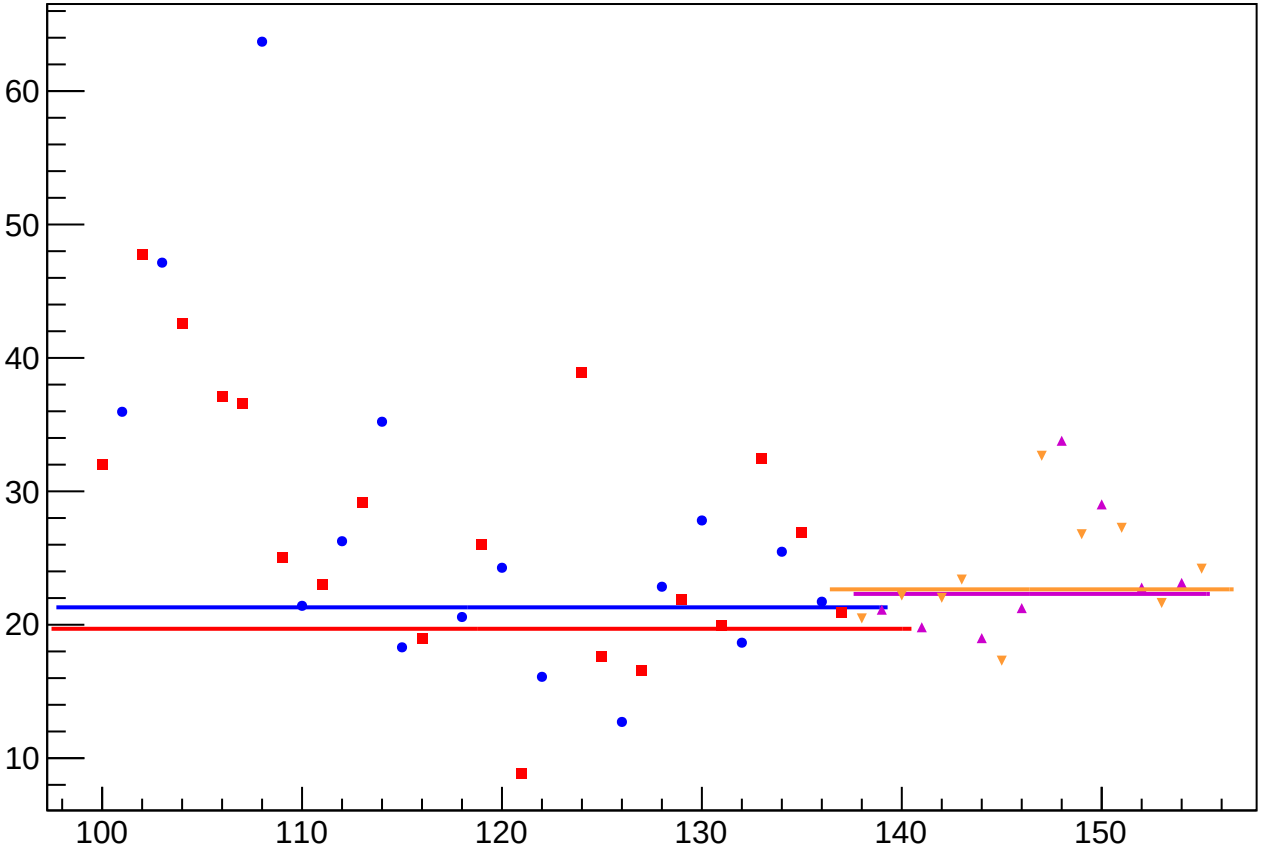
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.012+/-0.006 χ^2/NDF:18.6/23

Out: 0.009+/-0.006 χ^2/NDF:41.9/28

All: -0.001+/-0.004 χ^2/NDF: 66.4/52

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: 22.654+/-0.006 χ^2/NDF:410034.8/9

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 22.312+/-0.006 χ^2/NDF:375487.8/7

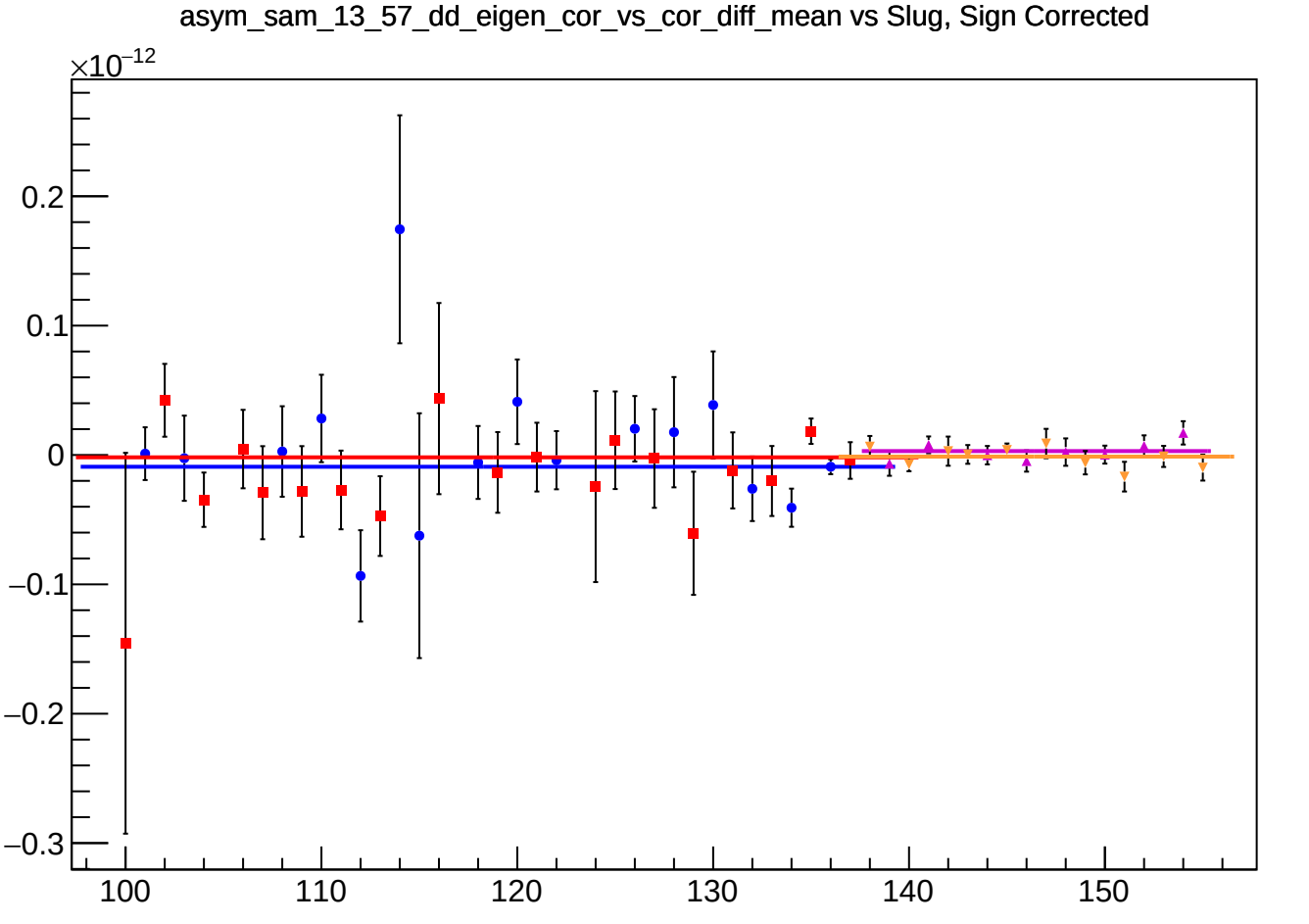
Left: 22.491+/-0.004 χ^2/NDF: 787125.3/17

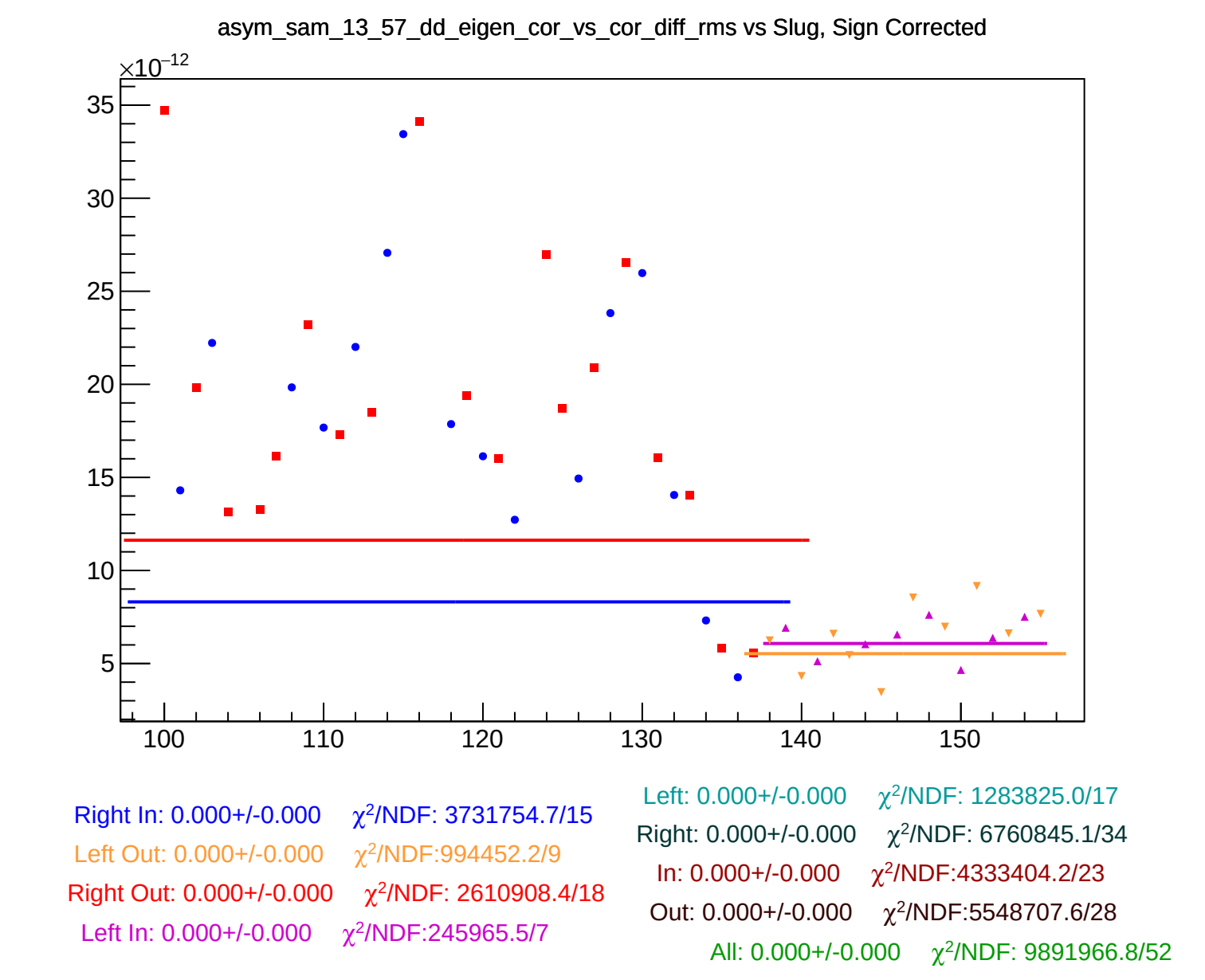
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

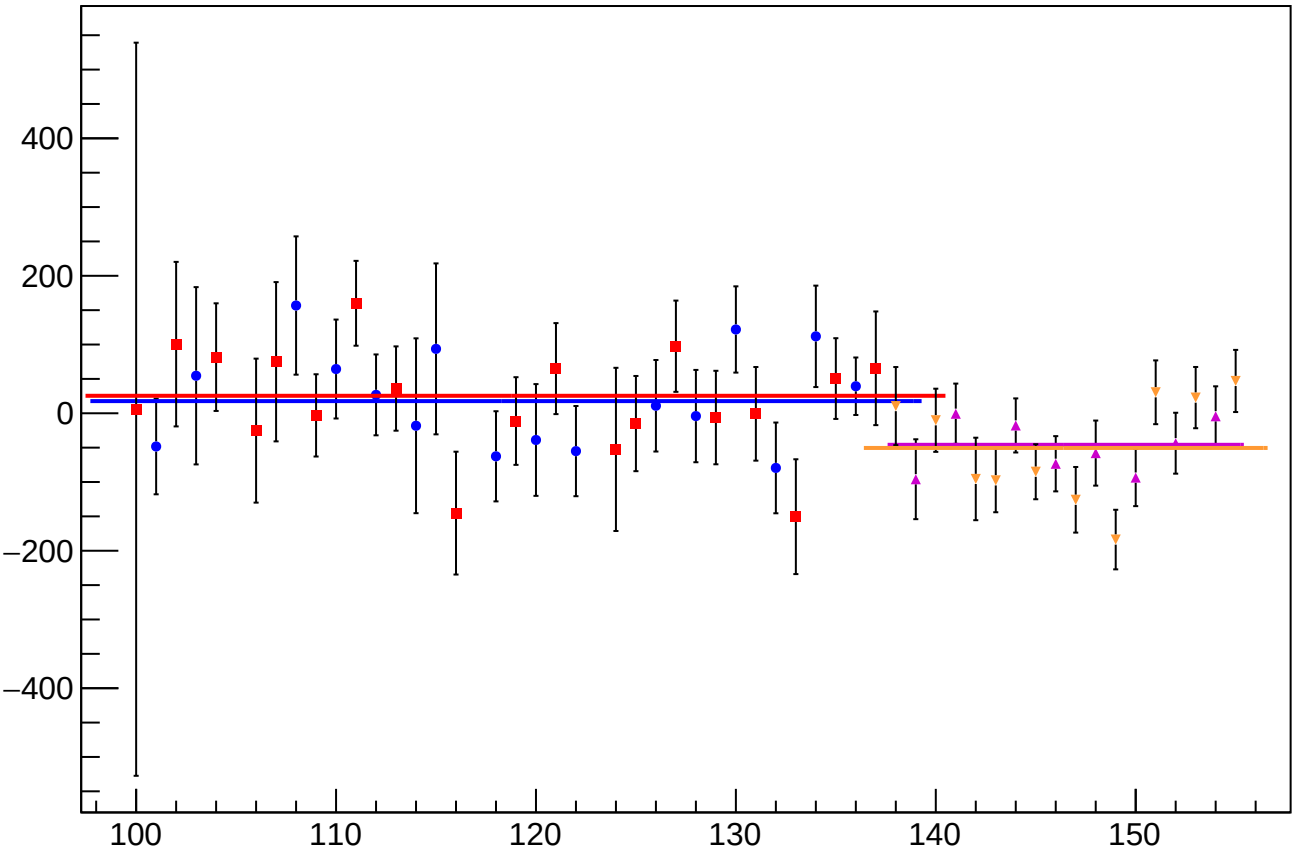
In: 21.801+/-0.004 χ^2/NDF:1868134.3/23

Out: 21.156+/-0.004 χ^2/NDF:2976141.8/28

All: 21.463+/-0.003 χ^2/NDF: 4855830.7/52


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: -0.000+/-0.000 χ²/NDF:6.9/9
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/18
Left In: 0.000+/-0.000 χ²/NDF:5.5/7
Left: 0.000+/-0.000 χ²/NDF: 13.8/17
Right: -0.000+/-0.000 χ²/NDF: 40.6/34
In: -0.000+/-0.000 χ²/NDF:33.3/23
Out: -0.000+/-0.000 χ²/NDF:23.9/28
All: -0.000+/-0.000 χ²/NDF: 57.4/52


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:994452.2/9
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:245965.5/7
Left: 0.000+/-0.000 χ²/NDF: 1283825.0/17
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:4333404.2/23
Out: 0.000+/-0.000 χ²/NDF:5548707.6/28
All: 0.000+/-0.000 χ²/NDF: 9891966.8/52



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -50.460+/-14.778 χ^2/NDF:26.6/9

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -45.881+/-15.535 χ^2/NDF:5.1/7

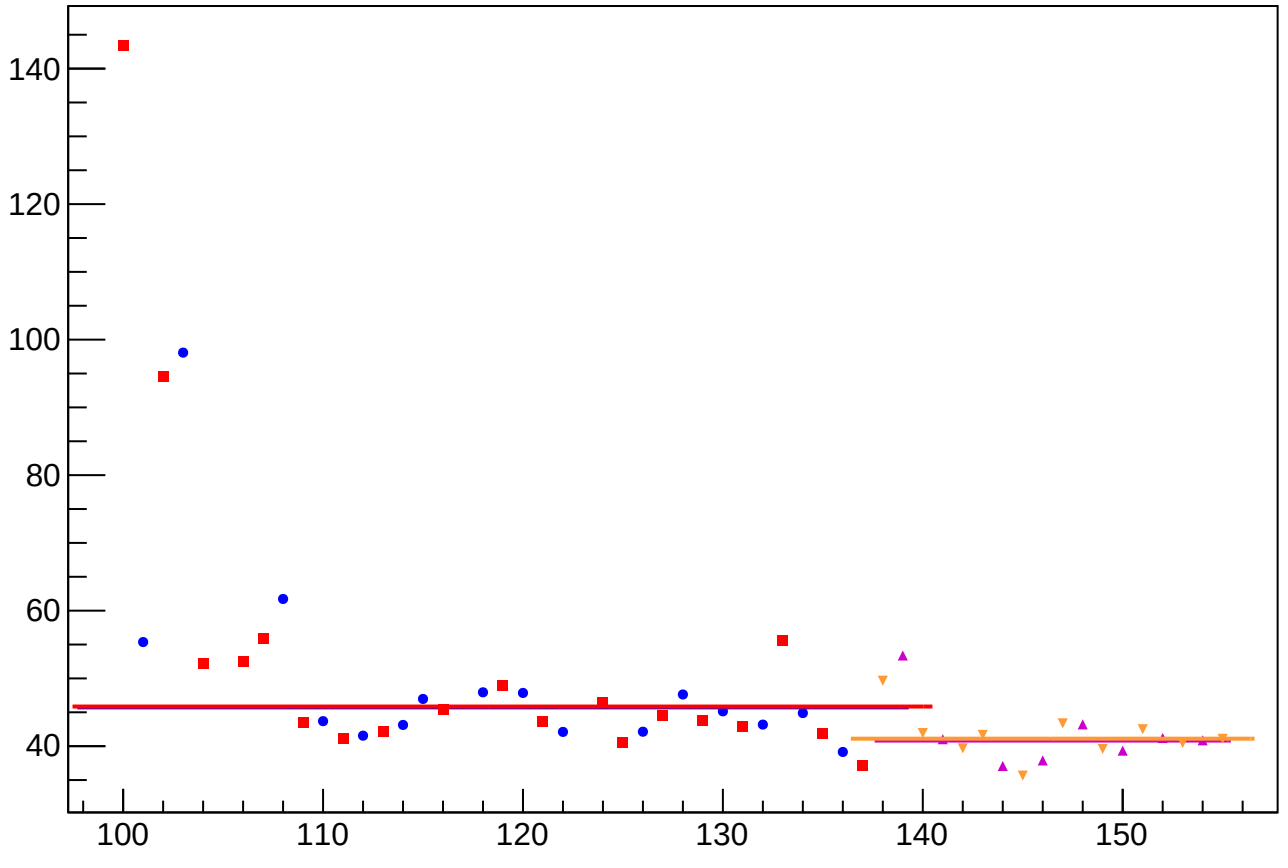
Left: -48.285+/-10.707 χ^2/NDF: 31.7/17

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -17.805+/-11.609 χ^2/NDF:26.4/23

Out: -18.518+/-11.247 χ^2/NDF:55.6/28

All: -18.173+/-8.078 χ^2/NDF: 82.0/52



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.105+/-0.010 χ^2/NDF:93516.9/9

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 40.830+/-0.011 χ^2/NDF:129982.2/7

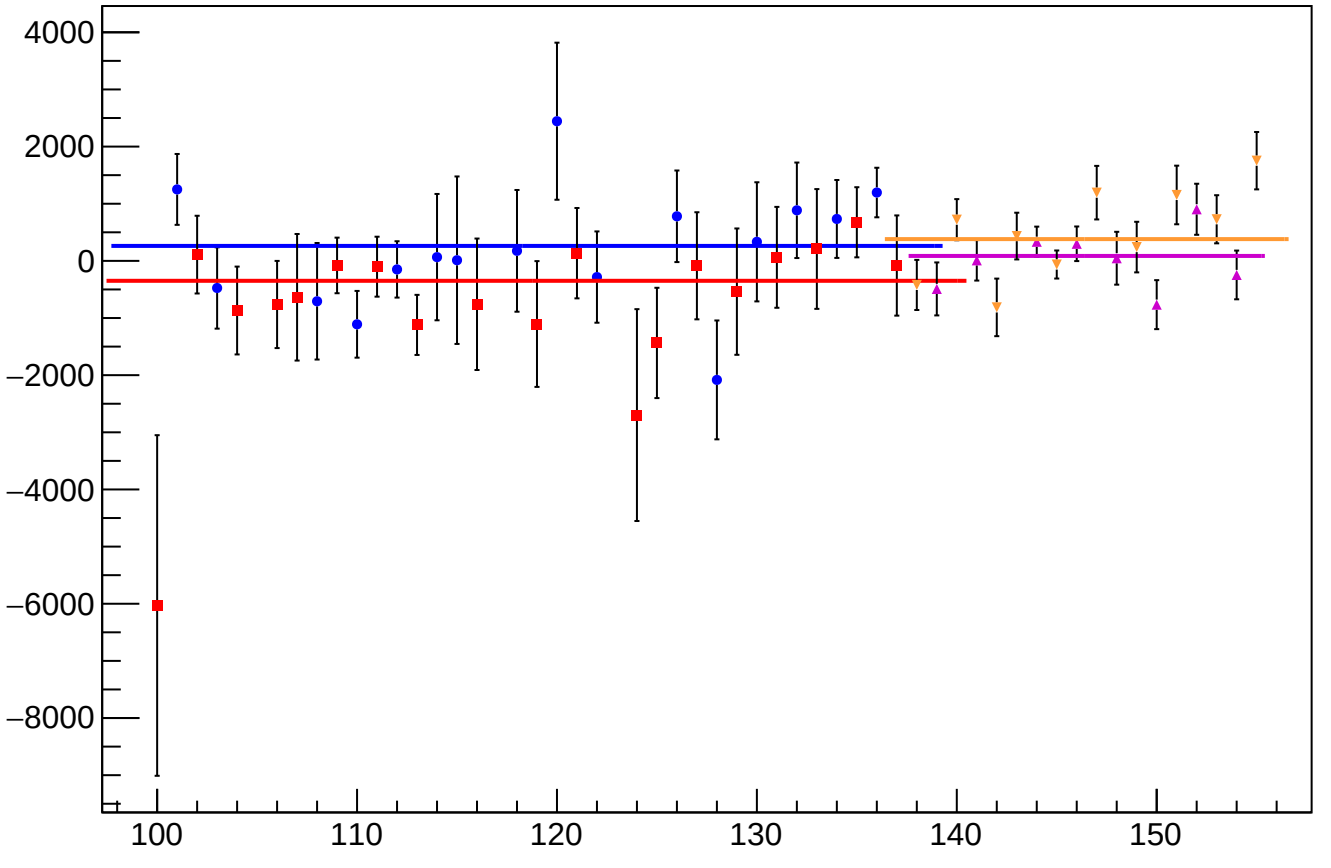
Left: 40.974+/-0.008 χ^2/NDF: 223828.8/17

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 42.992+/-0.008 χ^2/NDF:719197.2/23

Out: 43.102+/-0.008 χ^2/NDF:720413.9/28

All: 43.049+/-0.006 χ^2/NDF: 1439703.0/52



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 381.023+/-126.482 χ^2/NDF:26.7/9

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 86.497+/-130.803 χ^2/NDF:10.9/7

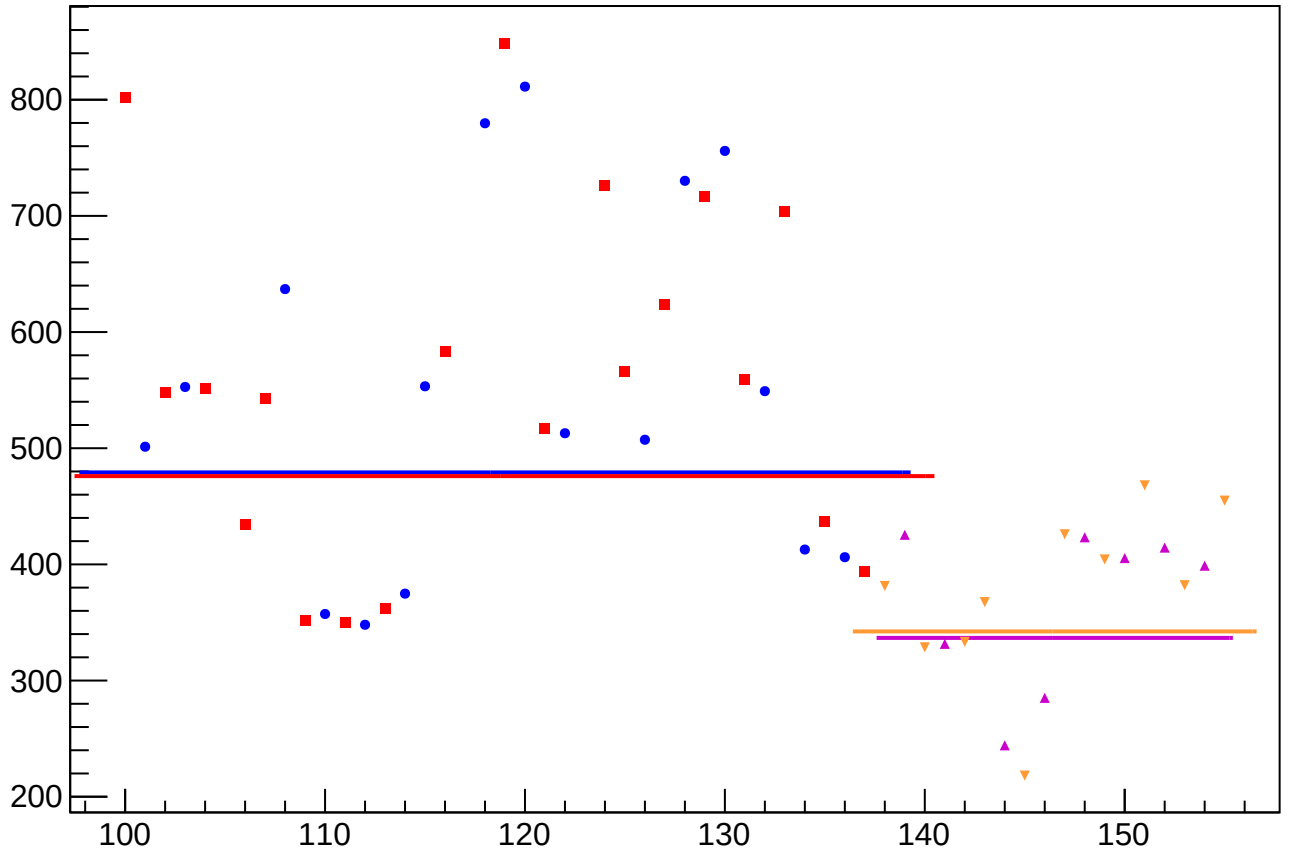
Left: 238.705+/-90.926 χ^2/NDF: 40.2/17

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 144.883+/-106.844 χ^2/NDF:36.5/23

Out: 141.040+/-103.617 χ^2/NDF:52.6/28

All: 142.903+/-74.383 χ^2/NDF: 89.0/52



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 342.270+/-0.089 χ^2/NDF:879941.2/9

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 336.718+/-0.092 χ^2/NDF:600740.4/7

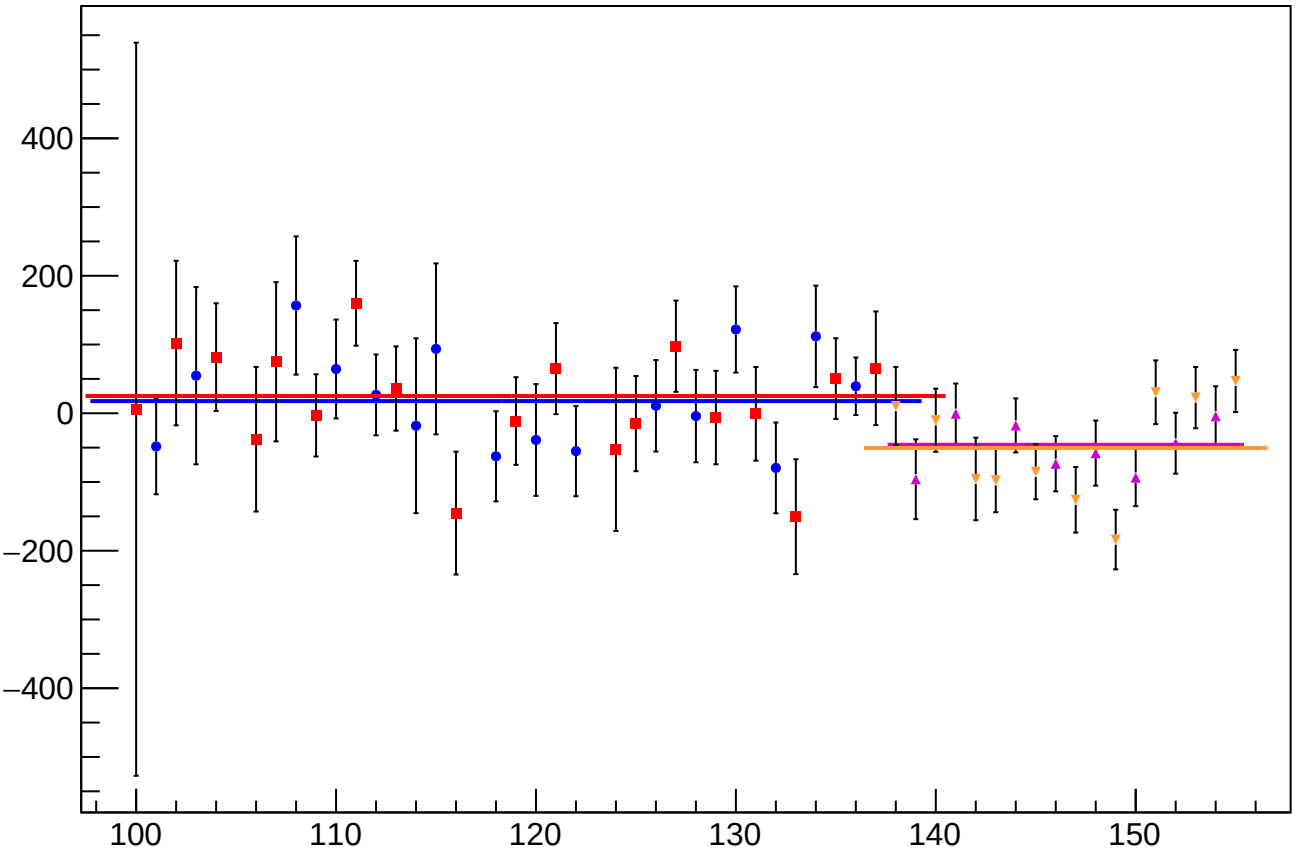
Left: 339.588+/-0.064 χ^2/NDF: 1482543.5/17

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 384.127+/-0.076 χ^2/NDF:2342915.0/23

Out: 386.248+/-0.073 χ^2/NDF:2621630.0/28

All: 385.220+/-0.053 χ^2/NDF: 4964951.1/52



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -50.460+/-14.778 χ^2/NDF:26.6/9

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -45.882+/-15.535 χ^2/NDF:5.1/7

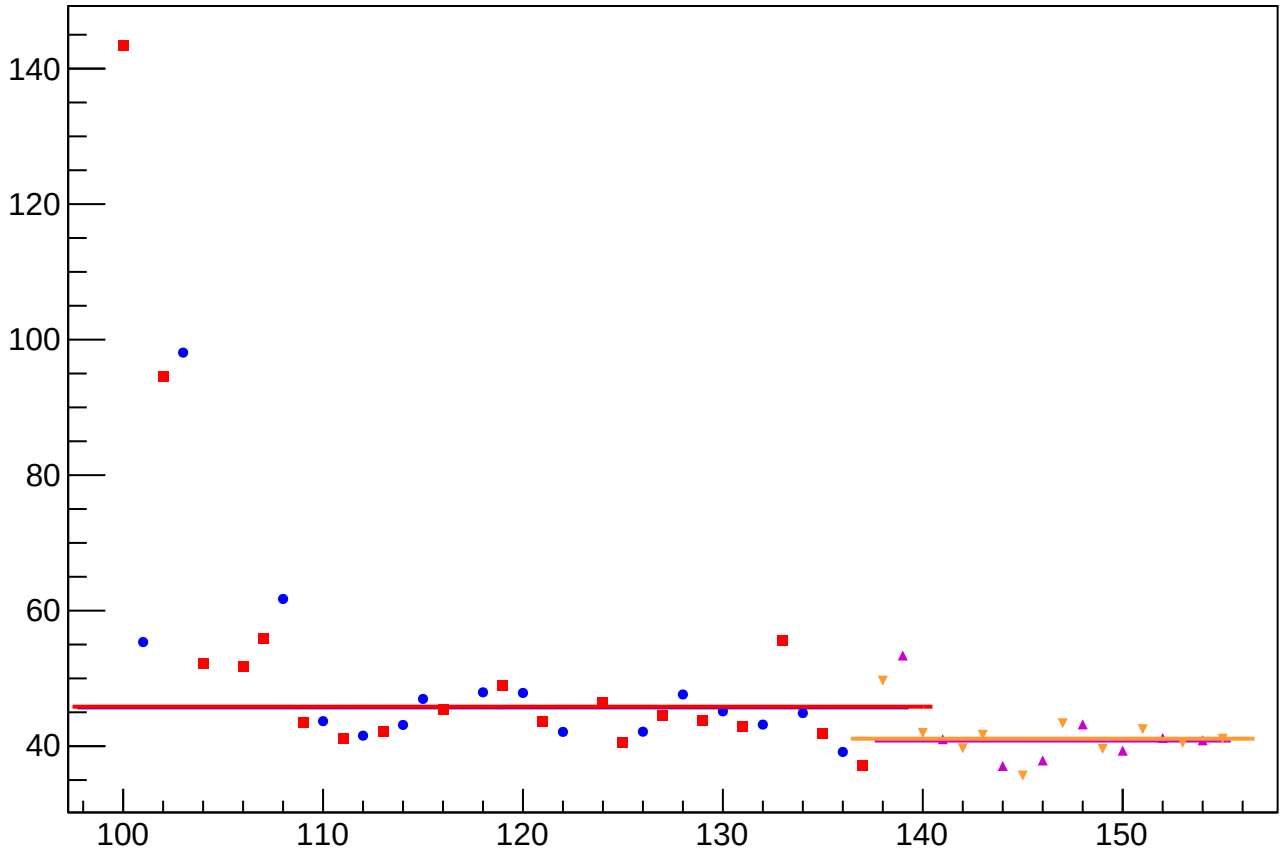
Left: -48.285+/-10.707 χ^2/NDF: 31.7/17

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -17.803+/-11.609 χ^2/NDF:26.4/23

Out: -18.647+/-11.247 χ^2/NDF:55.6/28

All: -18.239+/-8.078 χ^2/NDF: 82.0/52



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.105+/-0.010 χ^2/NDF:93516.9/9

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.830+/-0.011 χ^2/NDF:129982.2/7

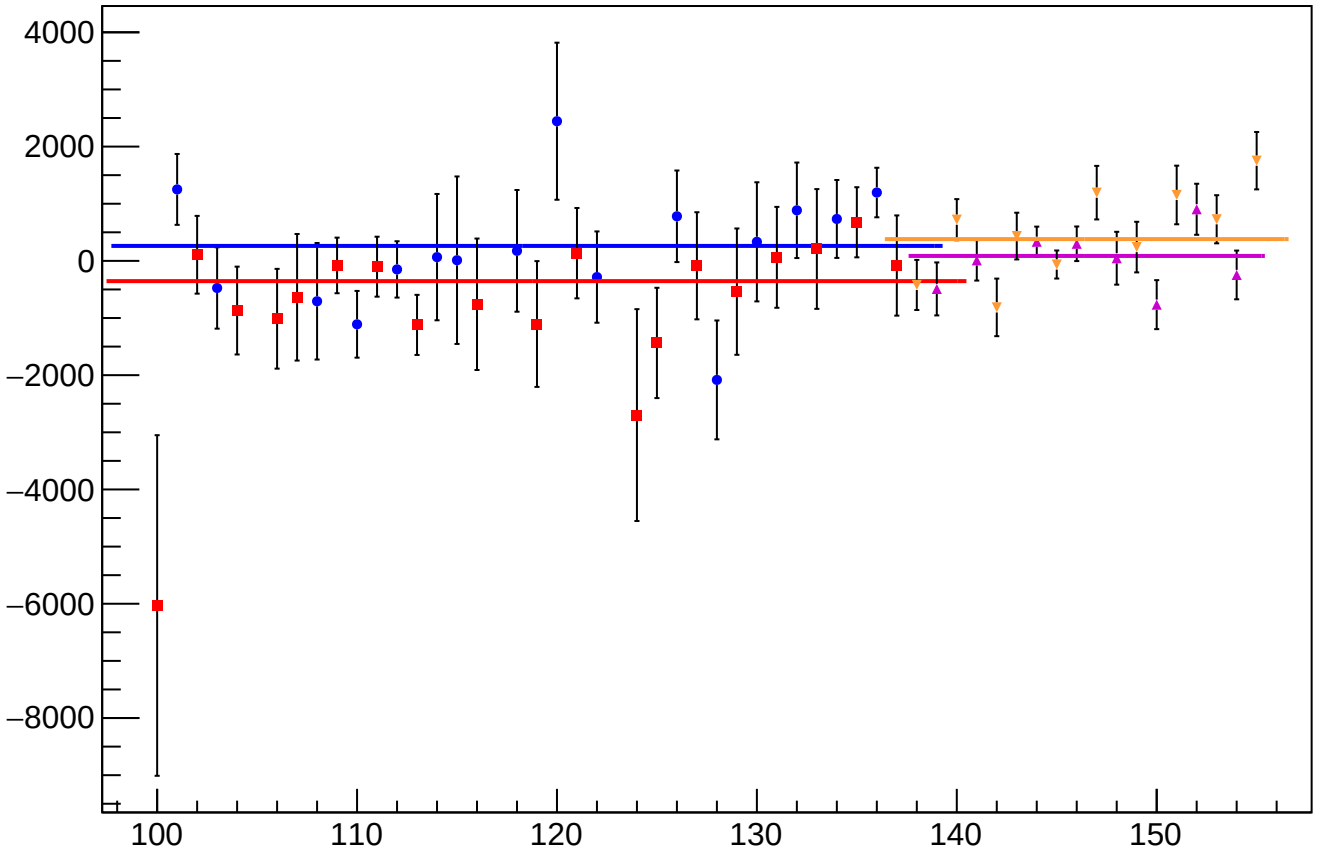
Left: 40.974+/-0.008 χ^2/NDF: 223828.8/17

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.992+/-0.008 χ^2/NDF:719200.2/23

Out: 43.091+/-0.008 χ^2/NDF:717844.4/28

All: 43.043+/-0.006 χ^2/NDF: 1437119.9/52



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 381.022+/-126.482 χ^2/NDF:26.7/9

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 86.497+/-130.803 χ^2/NDF:10.9/7

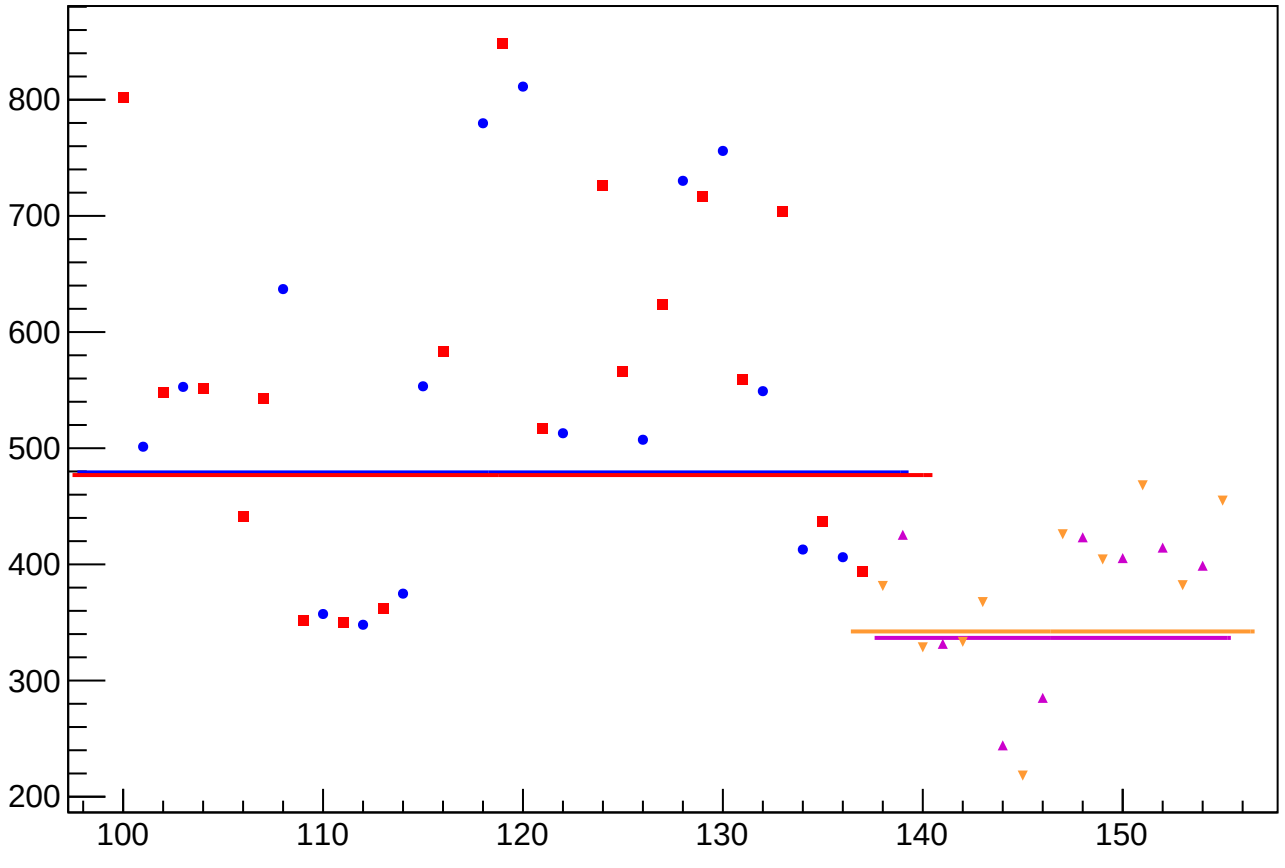
Left: 238.705+/-90.926 χ^2/NDF: 40.2/17

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 144.884+/-106.844 χ^2/NDF:36.5/23

Out: 141.404+/-103.846 χ^2/NDF:52.9/28

All: 143.095+/-74.467 χ^2/NDF: 89.4/52



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 342.270+/-0.089 χ^2/NDF:879941.7/9

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 336.719+/-0.092 χ^2/NDF:600741.7/7

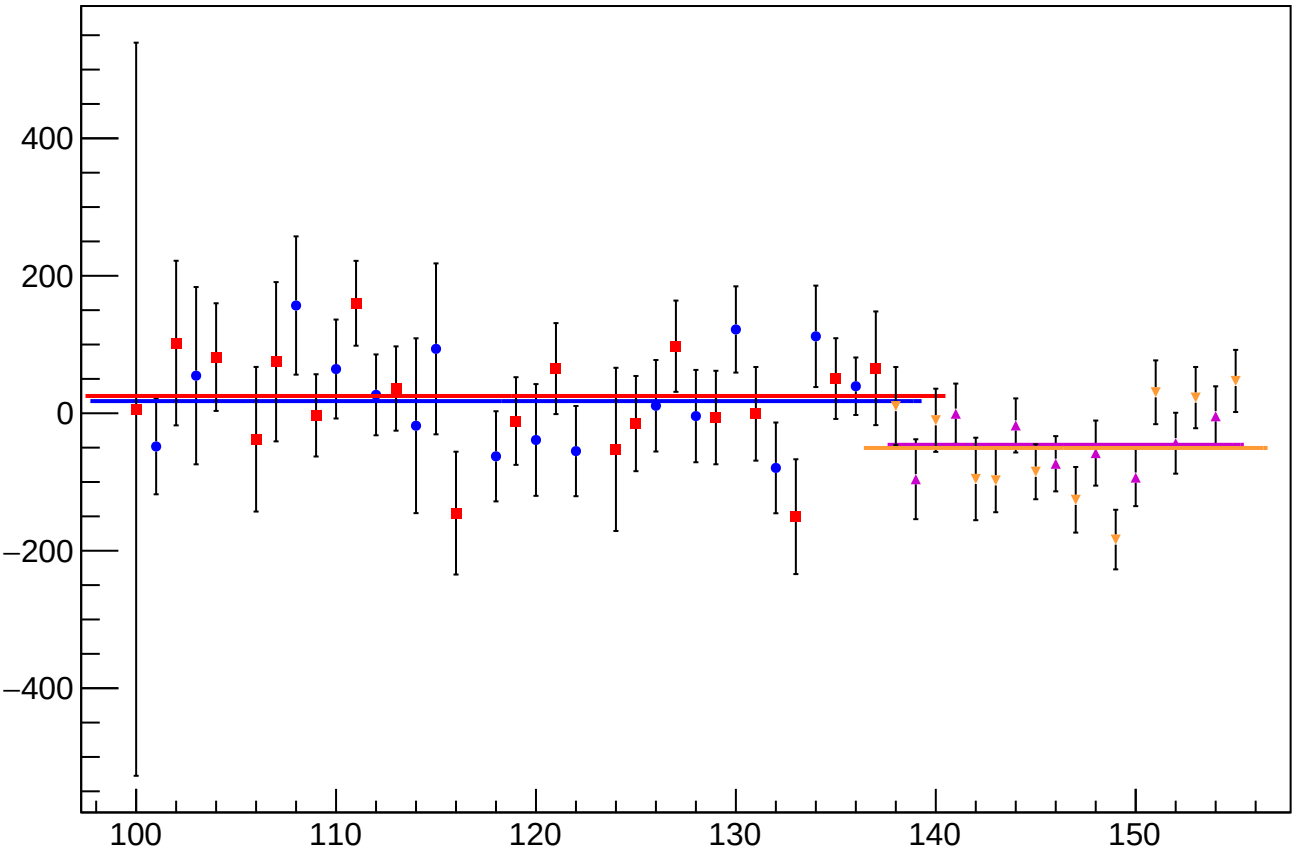
Left: 339.588+/-0.064 χ^2/NDF: 1482545.2/17

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 384.128+/-0.076 χ^2/NDF:2342961.3/23

Out: 386.145+/-0.073 χ^2/NDF:2622133.2/28

All: 385.165+/-0.053 χ^2/NDF: 4965461.1/52



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -50.460+/-14.778 χ^2/NDF:26.6/9

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -45.882+/-15.535 χ^2/NDF:5.1/7

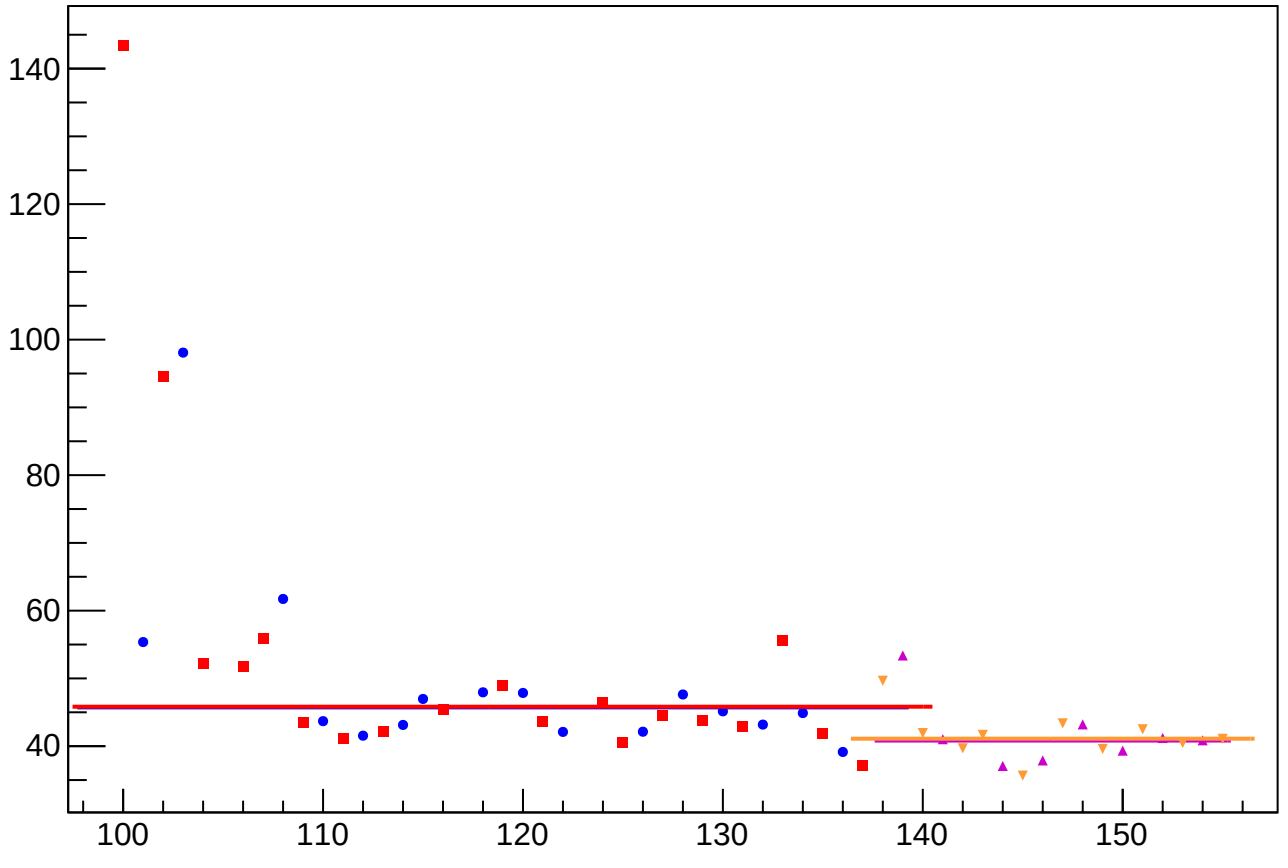
Left: -48.285+/-10.707 χ^2/NDF: 31.7/17

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -17.803+/-11.609 χ^2/NDF:26.4/23

Out: -18.647+/-11.247 χ^2/NDF:55.6/28

All: -18.239+/-8.078 χ^2/NDF: 82.0/52



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.105+/-0.010 χ^2/NDF:93516.9/9

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.830+/-0.011 χ^2/NDF:129982.2/7

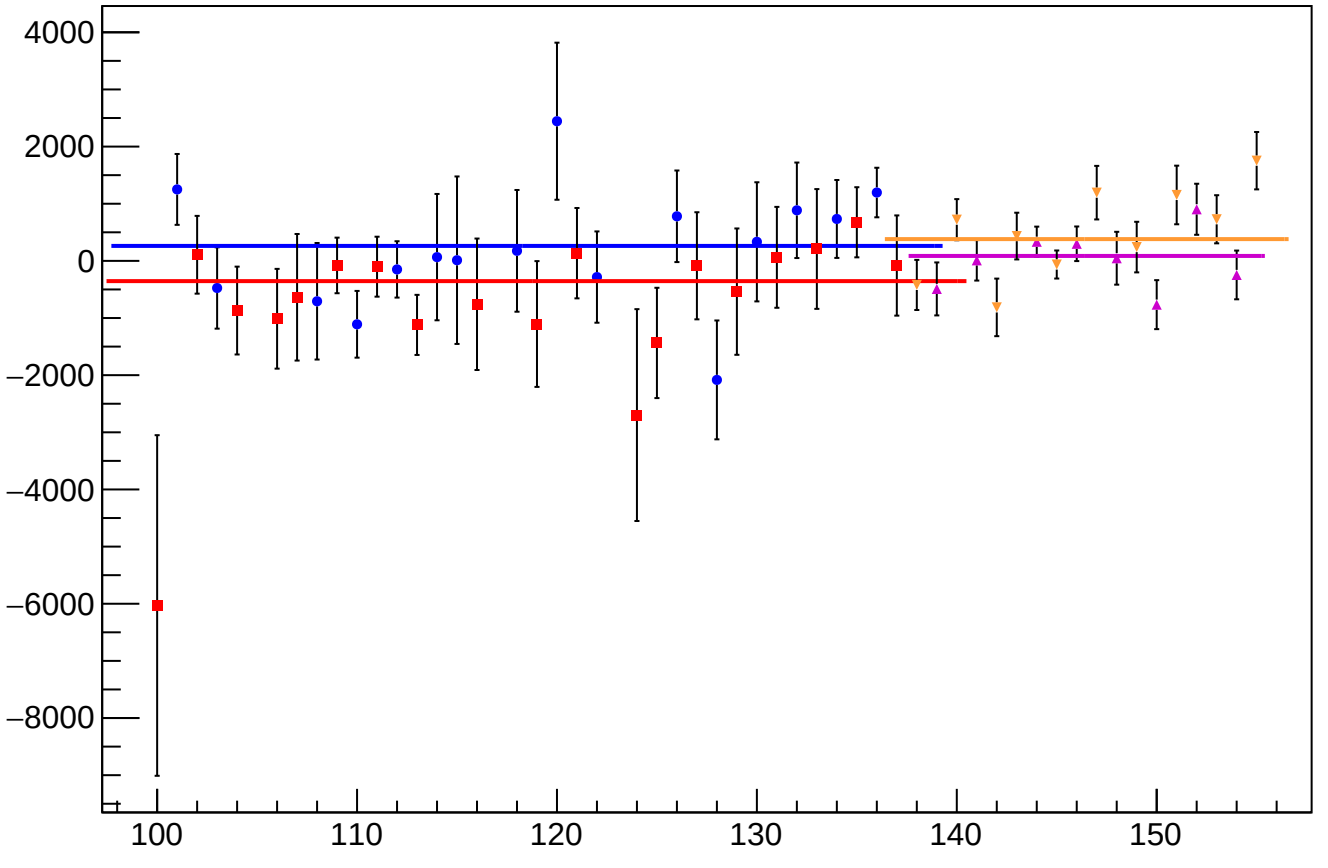
Left: 40.974+/-0.008 χ^2/NDF: 223828.8/17

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.992+/-0.008 χ^2/NDF:719200.2/23

Out: 43.091+/-0.008 χ^2/NDF:717844.4/28

All: 43.043+/-0.006 χ^2/NDF: 1437119.9/52



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 381.022+/-126.482 χ^2/NDF:26.7/9

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 86.497+/-130.803 χ^2/NDF:10.9/7

Left: 238.705+/-90.926 χ^2/NDF: 40.2/17

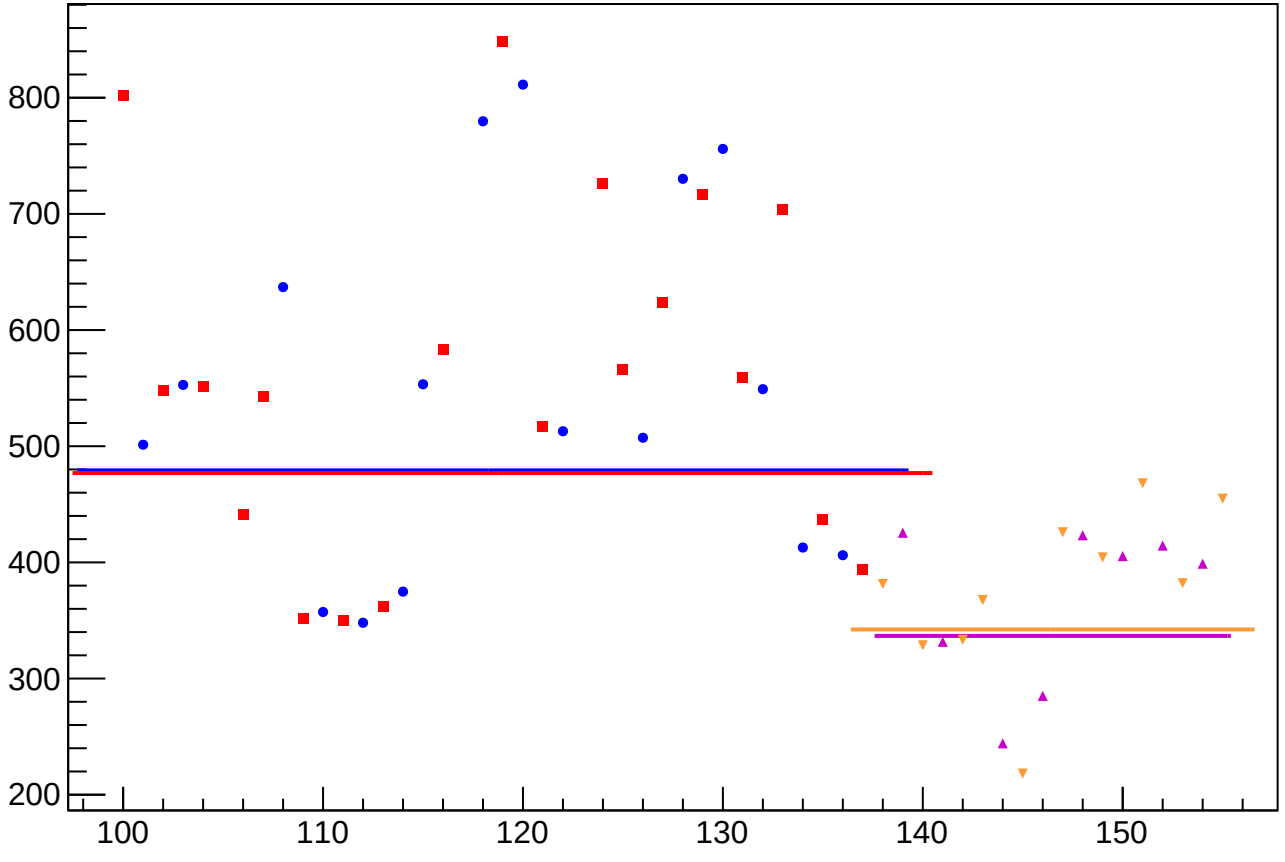
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 144.884+/-106.844 χ^2/NDF:36.5/23

Out: 141.404+/-103.846 χ^2/NDF:52.9/28

All: 143.095+/-74.467 χ^2/NDF: 89.4/52

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: 342.270+/-0.089 χ^2/NDF:879941.7/9

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 336.719+/-0.092 χ^2/NDF:600741.7/7

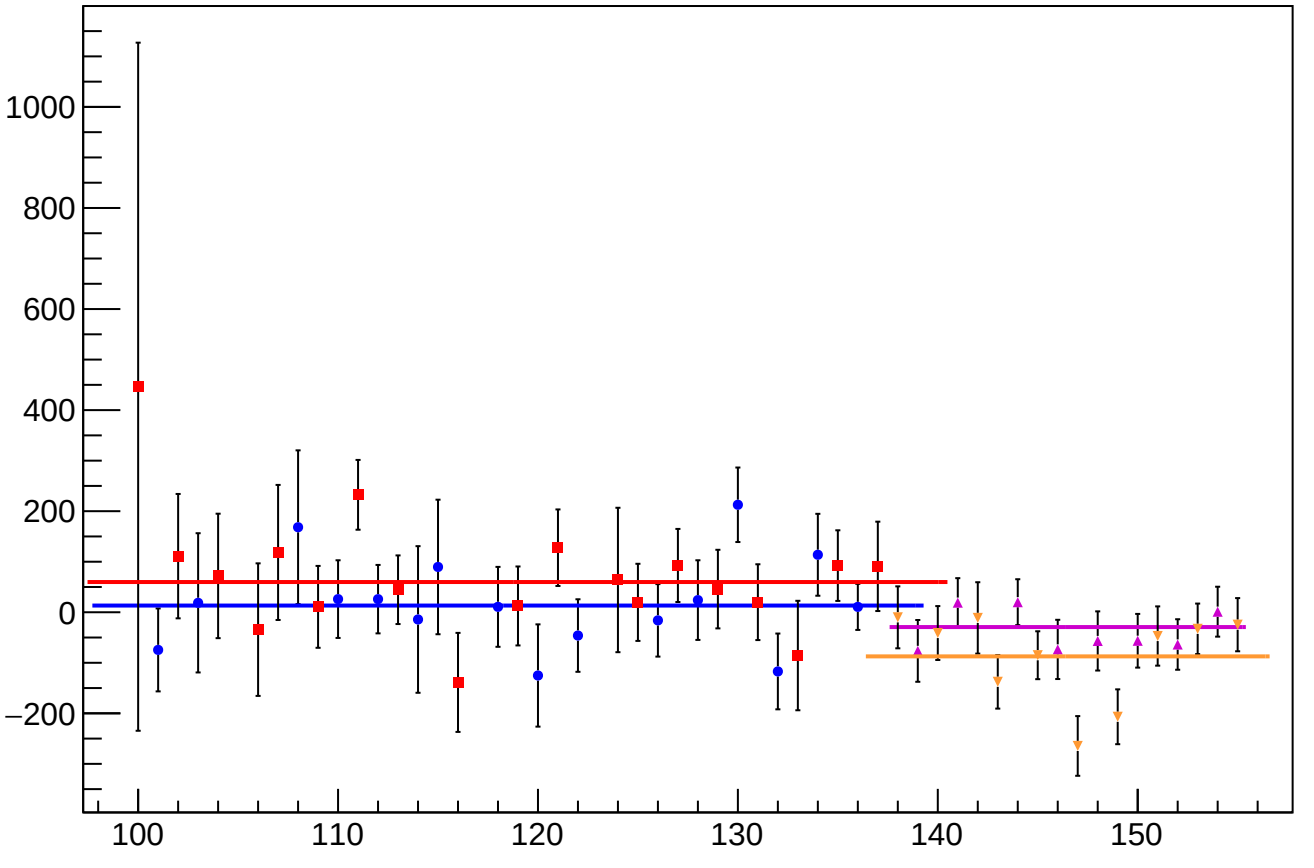
Left: 339.588+/-0.064 χ^2/NDF: 1482545.2/17

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 384.128+/-0.076 χ^2/NDF:2342961.3/23

Out: 386.145+/-0.073 χ^2/NDF:2622133.2/28

All: 385.165+/-0.053 χ^2/NDF: 4965461.1/52



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -87.314+/-17.415 χ^2/NDF:21.3/9

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -29.301+/-18.487 χ^2/NDF:4.7/7

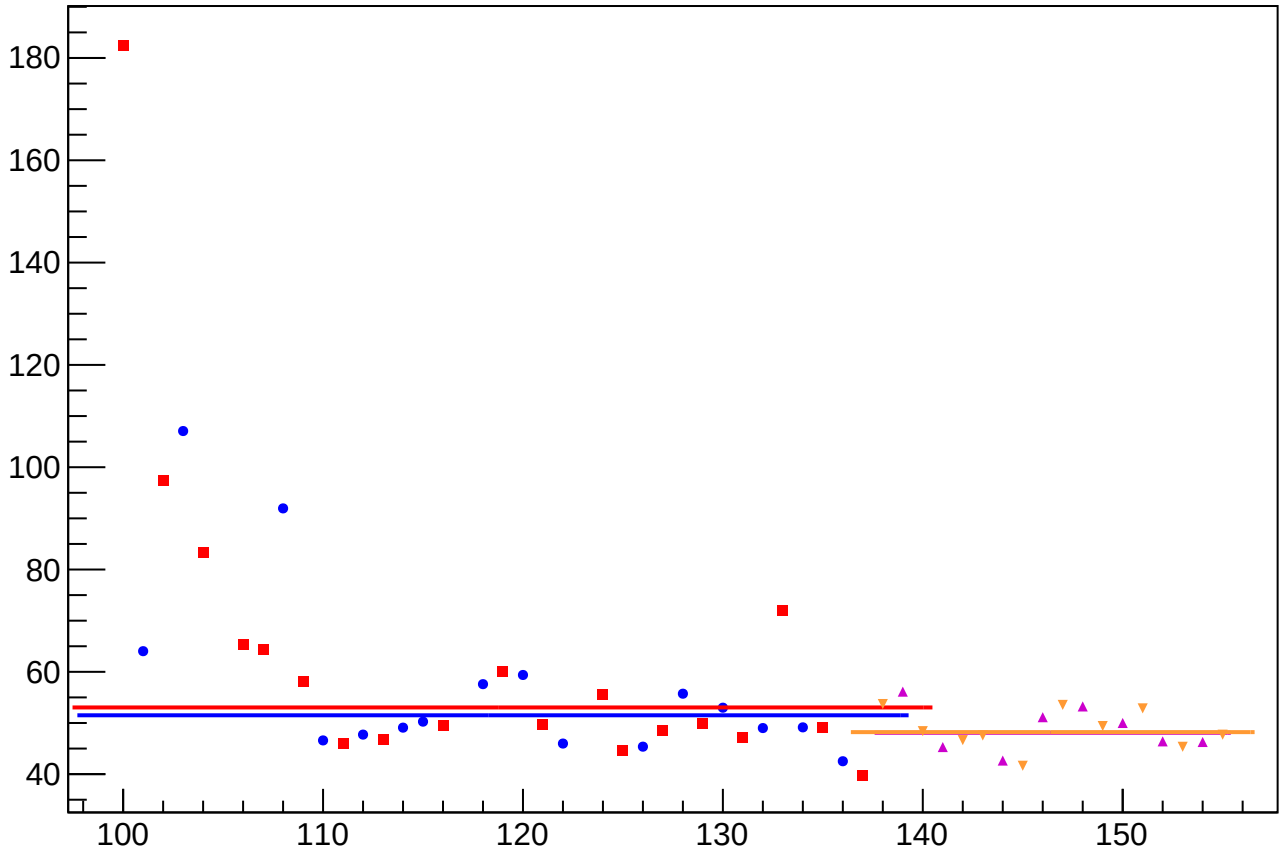
Left: -60.039+/-12.676 χ^2/NDF: 31.2/17

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -9.528+/-13.528 χ^2/NDF:24.4/23

Out: -24.707+/-13.199 χ^2/NDF:67.8/28

All: -17.304+/-9.447 χ^2/NDF: 92.8/52



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 48.213+/-0.012 χ^2/NDF:92351.4/9

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 48.083+/-0.013 χ^2/NDF:98247.8/7

Left: 48.152+/-0.009 χ^2/NDF: 190651.9/17

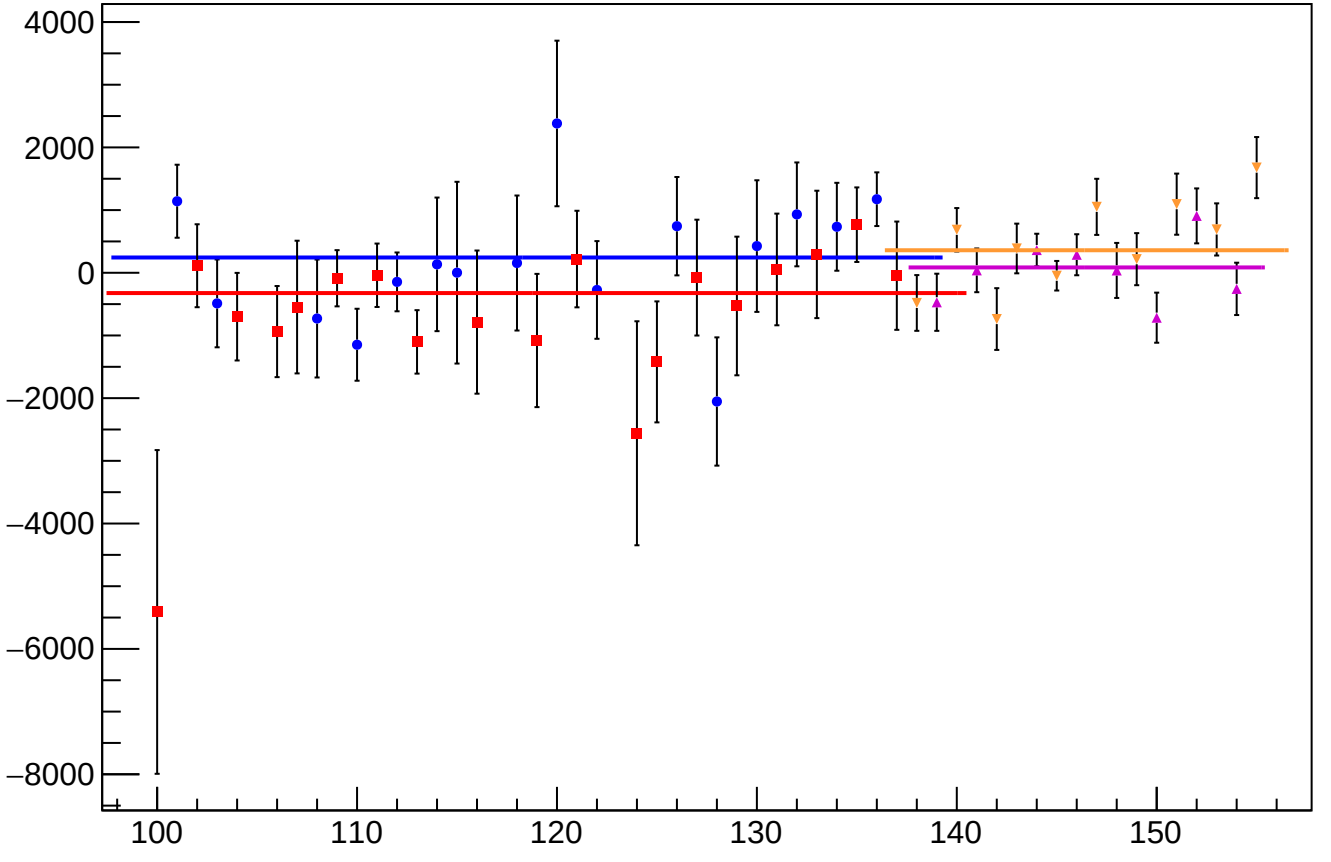
Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 49.673+/-0.010 χ^2/NDF:797154.1/23

Out: 50.266+/-0.009 χ^2/NDF:870575.0/28

All: 49.977+/-0.007 χ^2/NDF: 1669699.7/52

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: 359.392+/-122.321 χ^2/NDF:25.1/9

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 85.233+/-129.556 χ^2/NDF:11.3/7

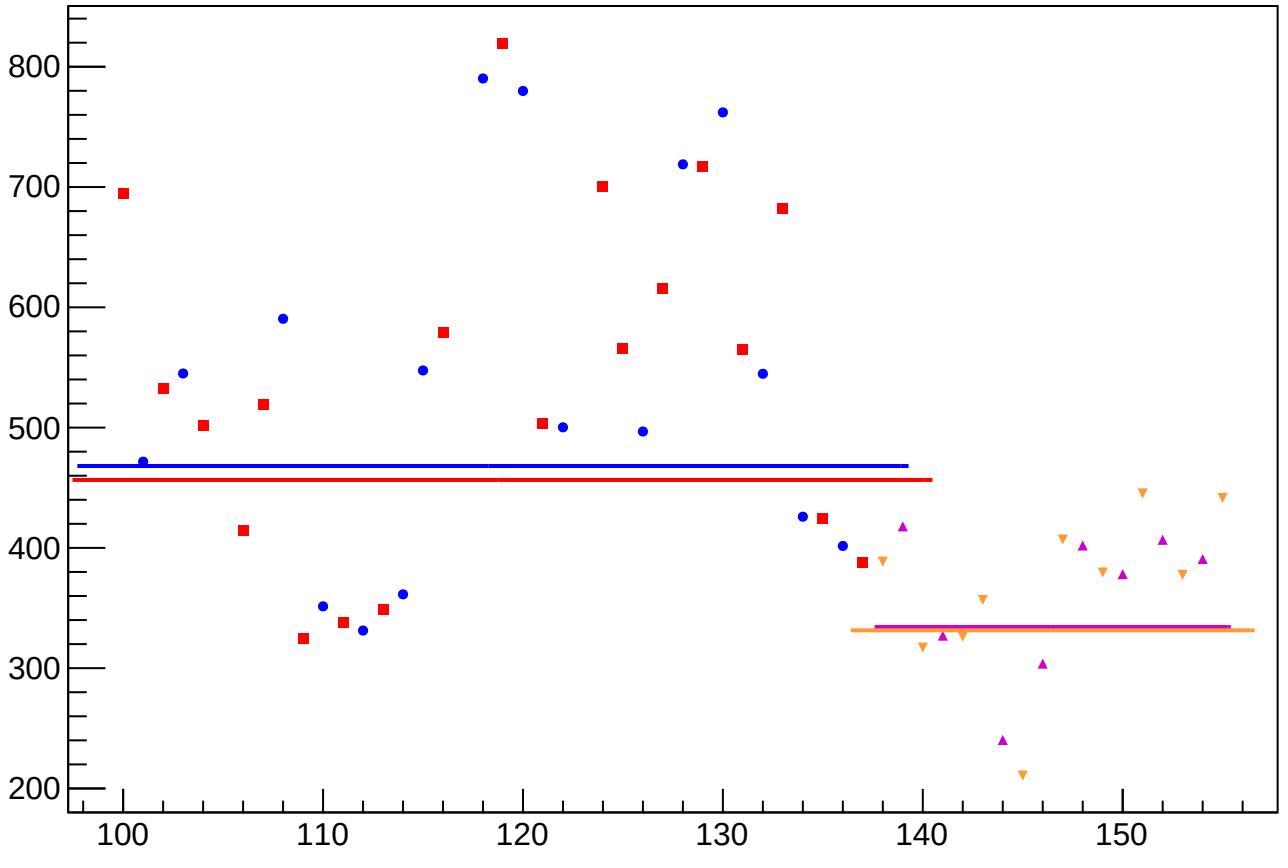
Left: 230.181+/-88.942 χ^2/NDF: 38.8/17

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 139.010+/-105.324 χ^2/NDF:37.4/23

Out: 132.846+/-99.998 χ^2/NDF:52.0/28

All: 135.768+/-72.519 χ^2/NDF: 89.3/52



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 331.481+/-0.086 χ^2/NDF:888315.9/9

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 334.211+/-0.092 χ^2/NDF:510022.7/7

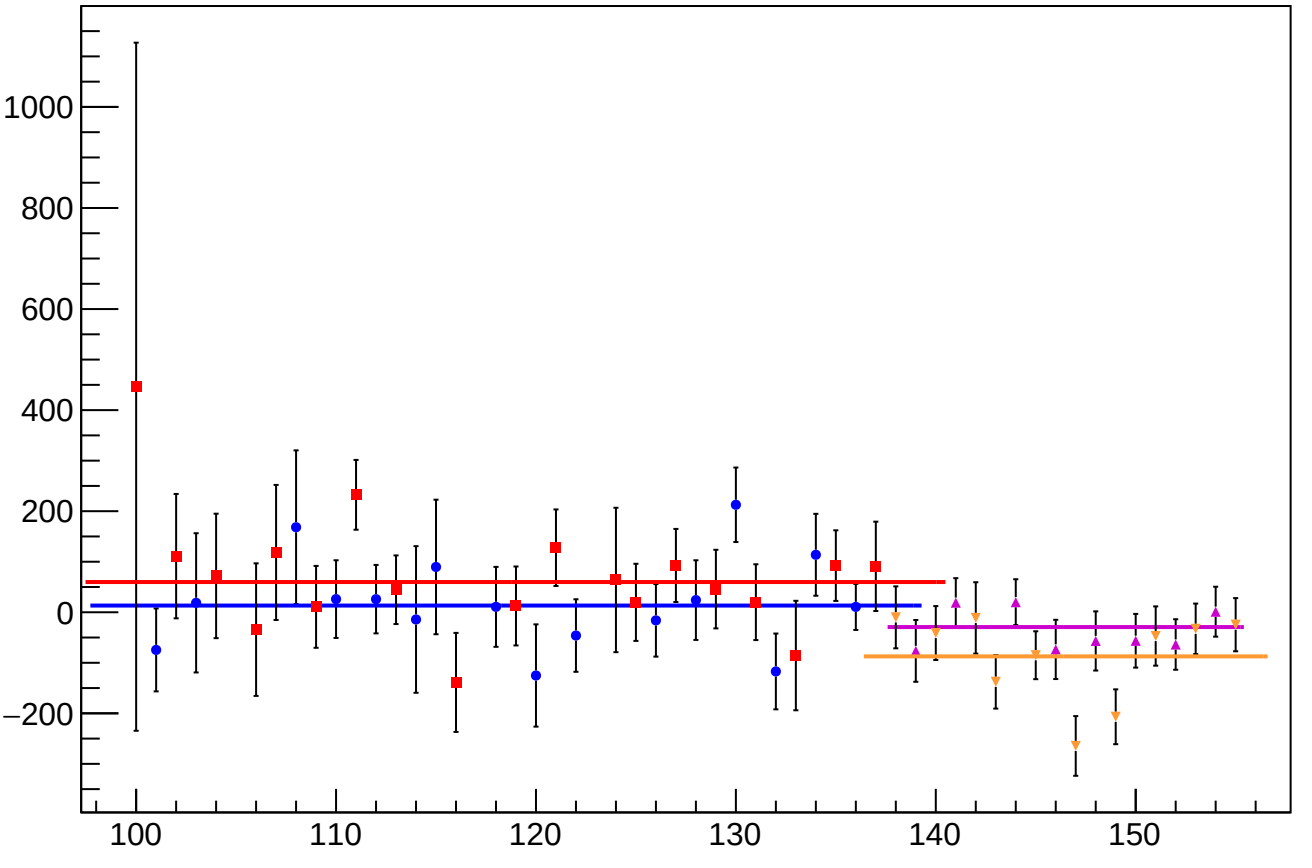
Left: 332.768+/-0.063 χ^2/NDF: 1398807.9/17

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 379.599+/-0.074 χ^2/NDF:2216871.3/23

Out: 372.937+/-0.071 χ^2/NDF:2663482.2/28

All: 376.096+/-0.051 χ^2/NDF: 4884561.9/52



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -87.314+/-17.415 χ^2/NDF:21.3/9

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -29.302+/-18.487 χ^2/NDF:4.7/7

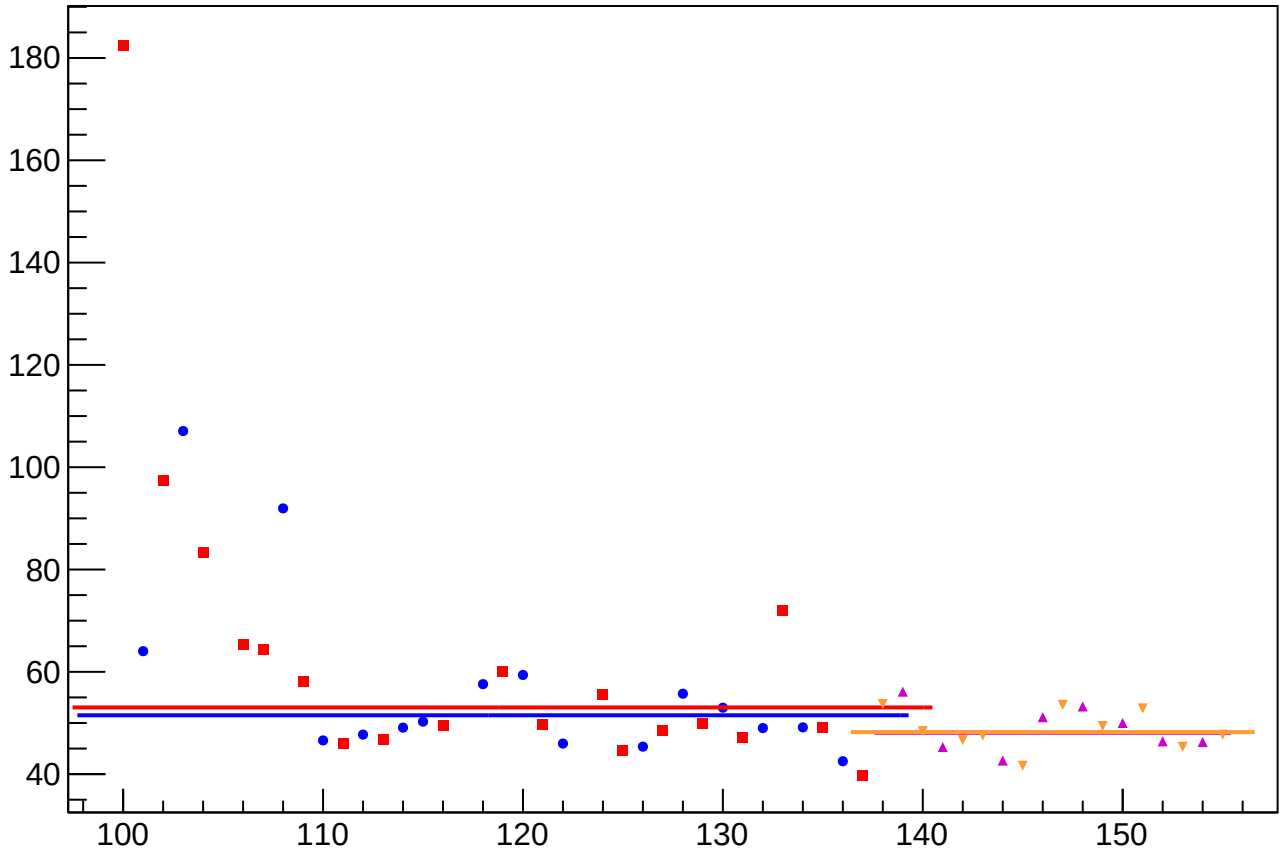
Left: -60.040+/-12.676 χ^2/NDF: 31.2/17

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -9.528+/-13.528 χ^2/NDF:24.4/23

Out: -24.706+/-13.199 χ^2/NDF:67.8/28

All: -17.304+/-9.448 χ^2/NDF: 92.8/52



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 48.213+/-0.012 χ^2/NDF:92349.5/9

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 48.083+/-0.013 χ^2/NDF:98245.4/7

Left: 48.152+/-0.009 χ^2/NDF: 190647.6/17

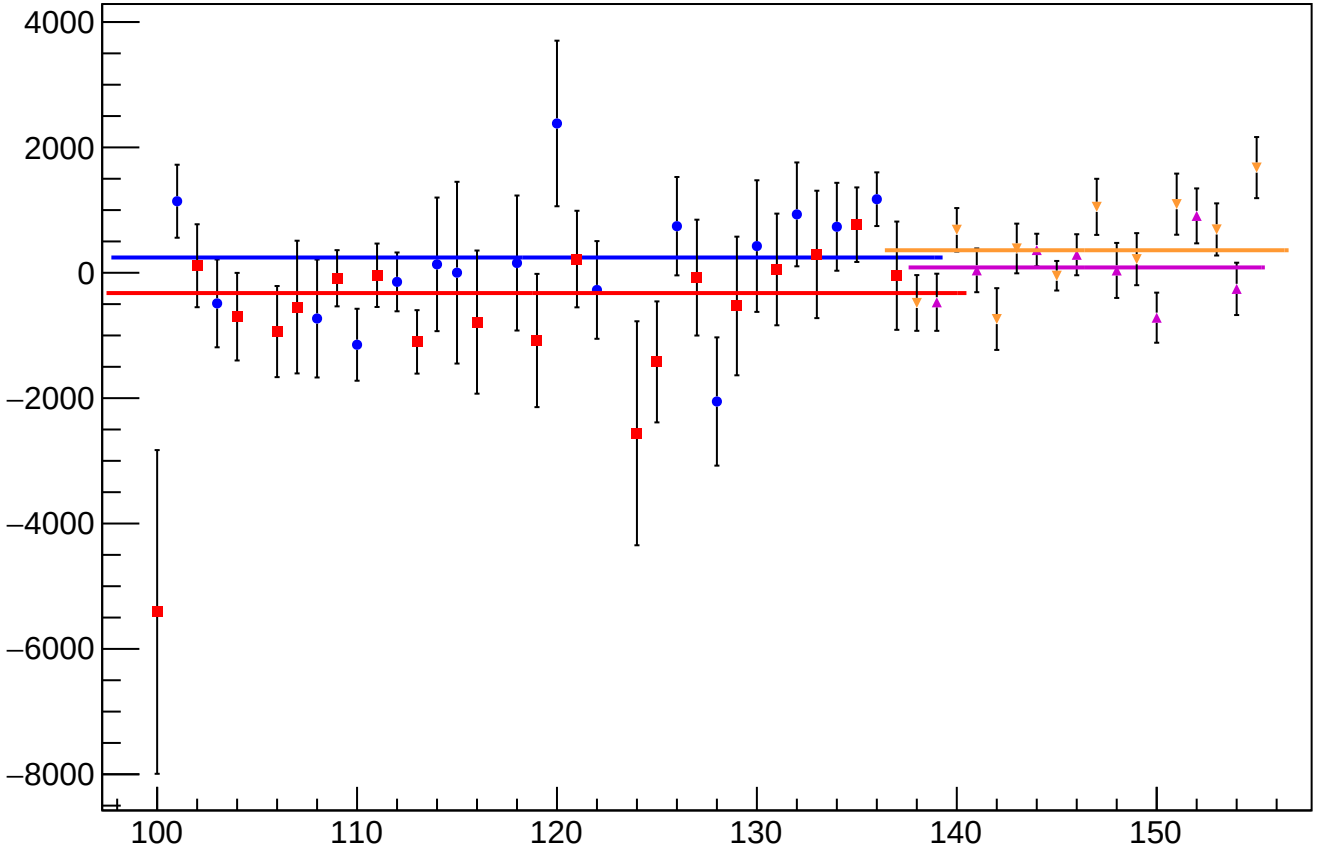
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 49.673+/-0.010 χ^2/NDF:797155.7/23

Out: 50.266+/-0.009 χ^2/NDF:870580.7/28

All: 49.977+/-0.007 χ^2/NDF: 1669707.2/52

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 359.392+/-122.321 χ^2/NDF:25.1/9

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 85.233+/-129.556 χ^2/NDF:11.3/7

Left: 230.181+/-88.942 χ^2/NDF: 38.8/17

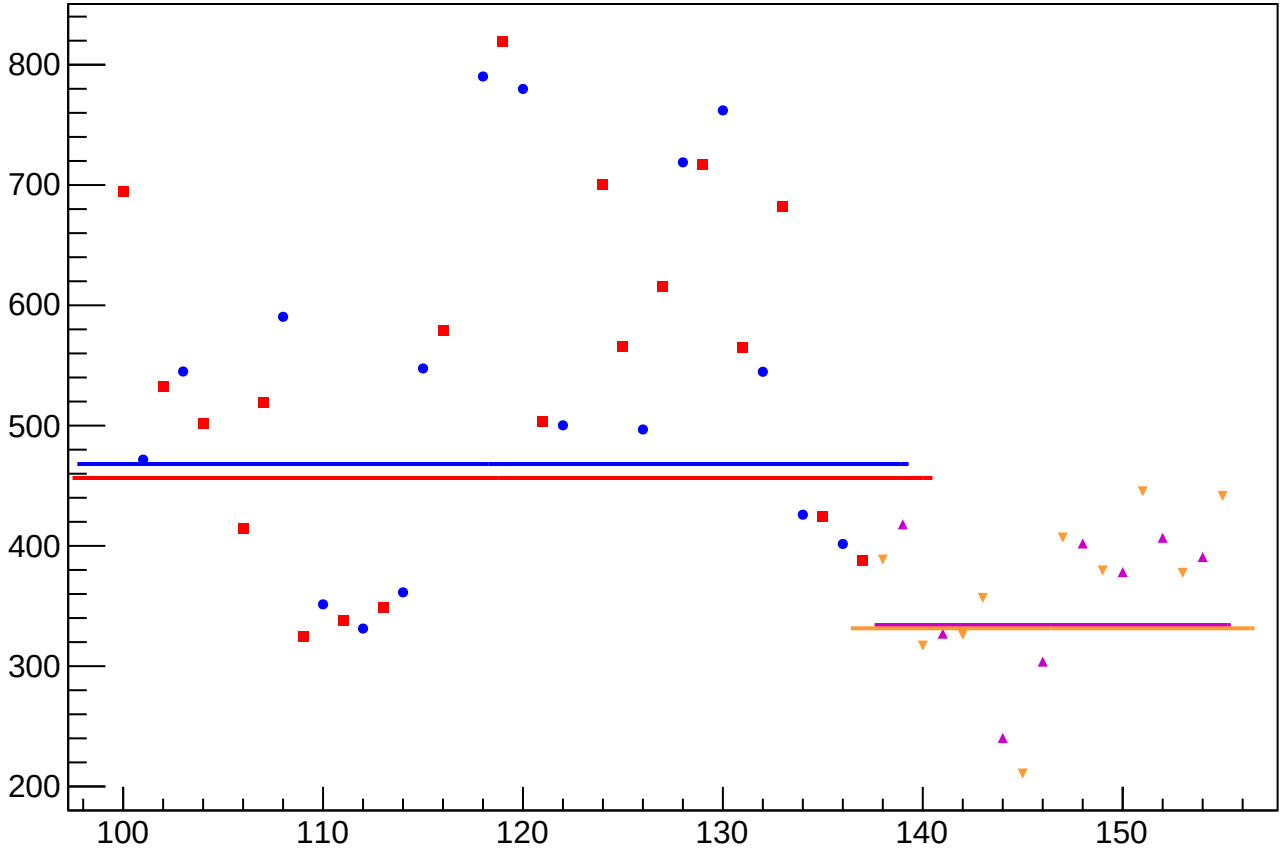
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 139.010+/-105.324 χ^2/NDF:37.4/23

Out: 132.845+/-99.998 χ^2/NDF:52.0/28

All: 135.768+/-72.519 χ^2/NDF: 89.3/52

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 331.481+/-0.086 χ^2/NDF:888320.0/9

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 334.211+/-0.092 χ^2/NDF:510024.3/7

Left: 332.768+/-0.063 χ^2/NDF: 1398813.8/17

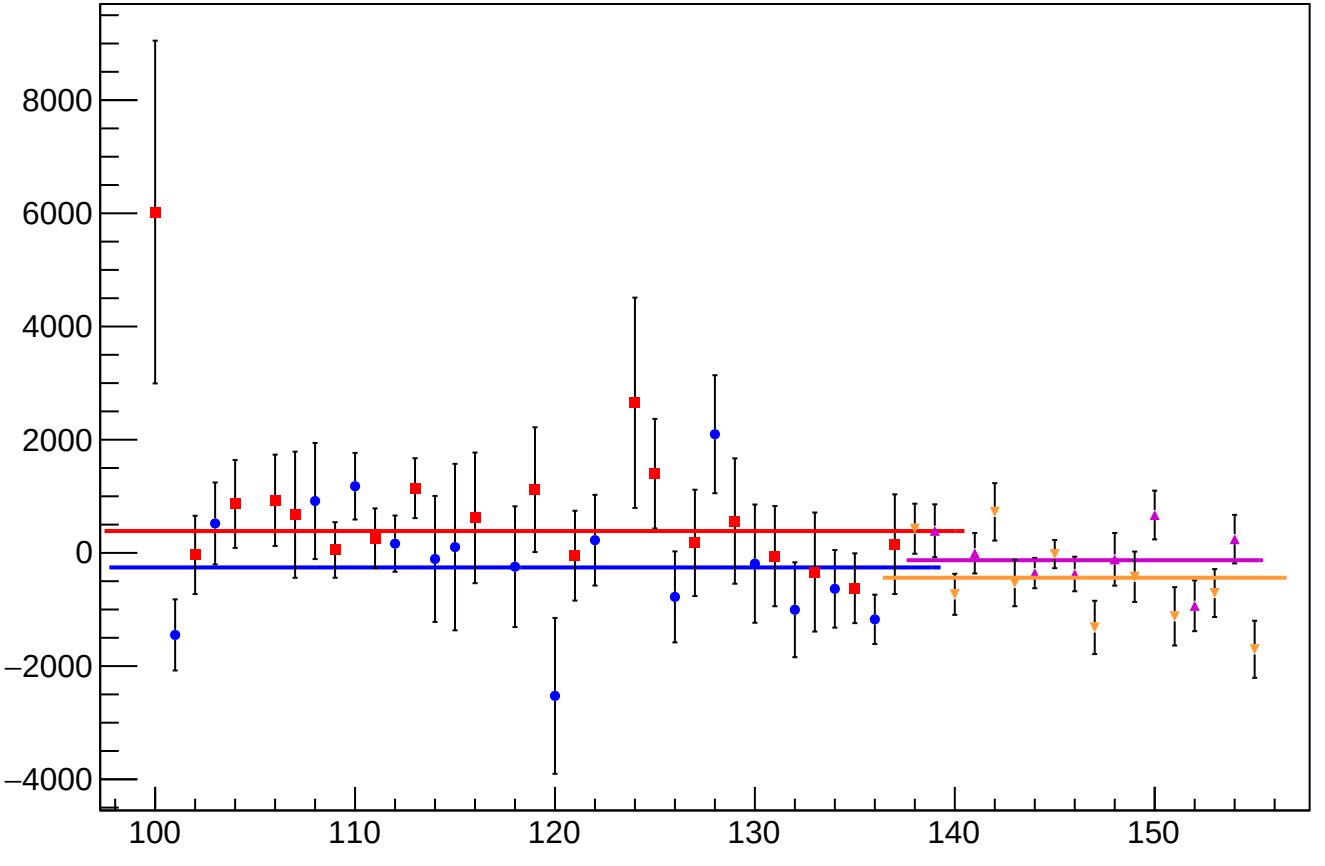
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 379.599+/-0.074 χ^2/NDF:2216863.9/23

Out: 372.937+/-0.071 χ^2/NDF:2663476.5/28

All: 376.096+/-0.051 χ^2/NDF: 4884549.0/52

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -438.493+/-127.513 χ^2/NDF:24.5/9

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -129.266+/-131.868 χ^2/NDF:10.1/7

Left: -289.070+/-91.666 χ^2/NDF: 37.5/17

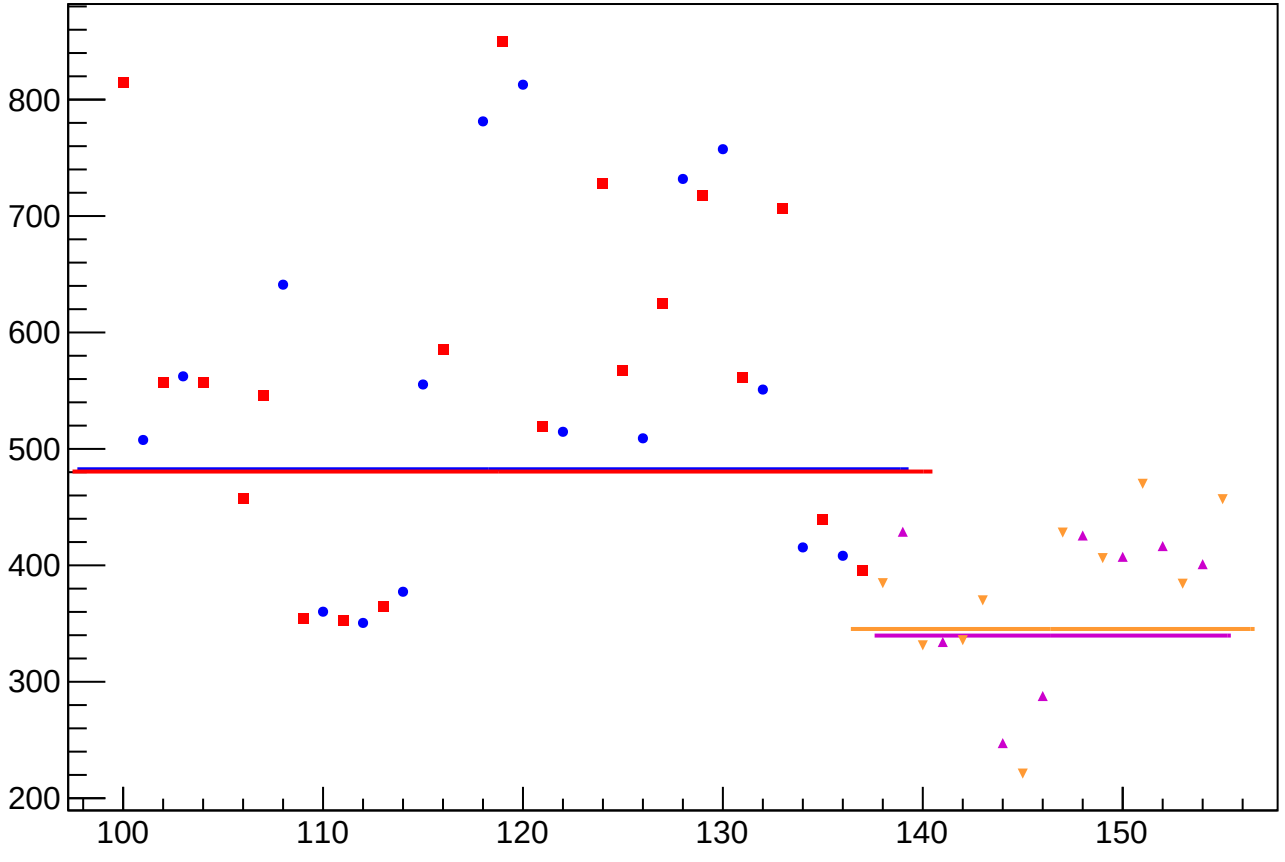
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -171.769+/-107.664 χ^2/NDF:37.4/23

Out: -167.606+/-104.501 χ^2/NDF:52.5/28

All: -169.625+/-74.987 χ^2/NDF: 89.9/52

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 345.352+/-0.090 χ^2/NDF:856218.2/9

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 339.684+/-0.093 χ^2/NDF:586140.8/7

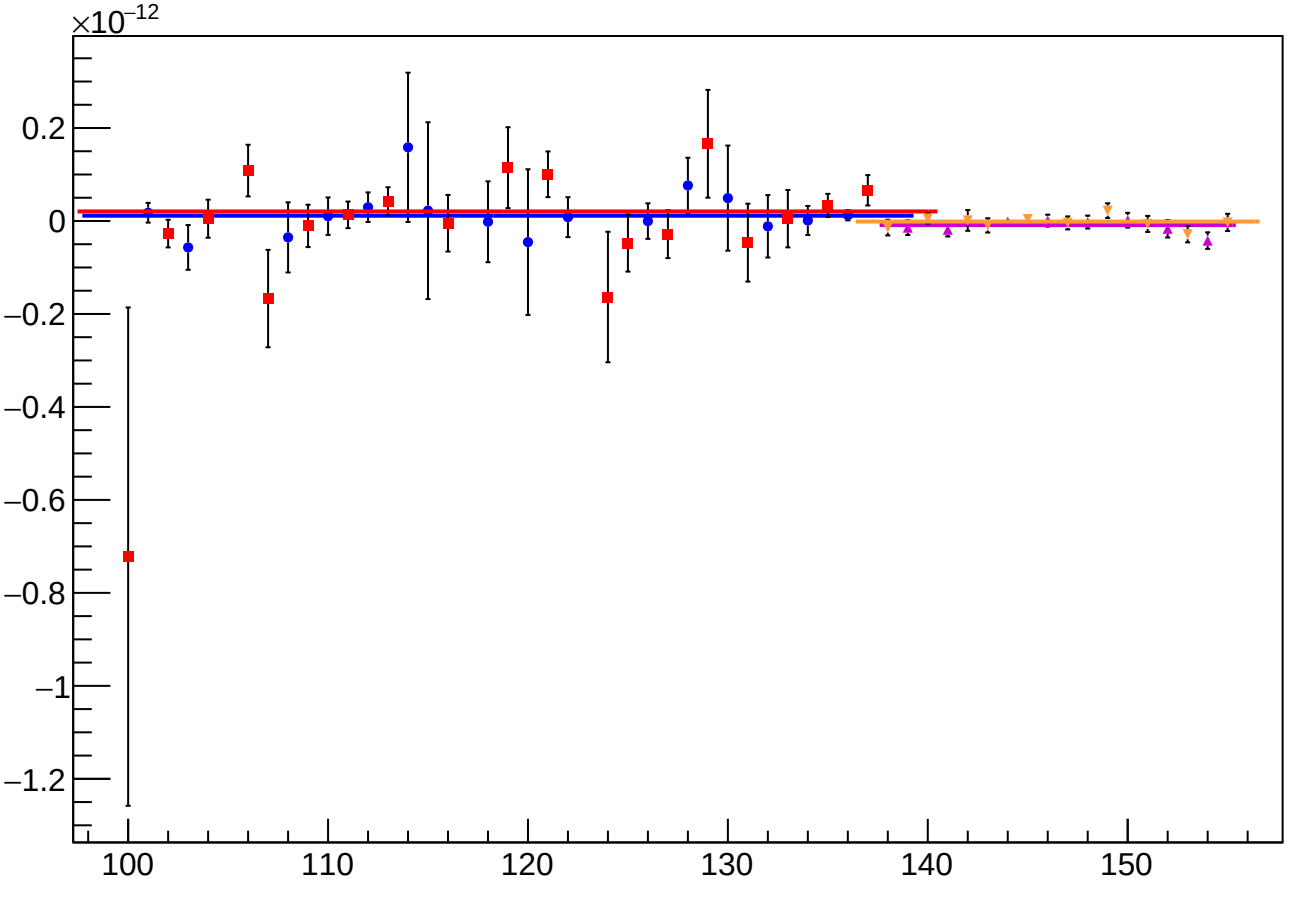
Left: 342.613+/-0.065 χ^2/NDF: 1444268.8/17

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 387.303+/-0.076 χ^2/NDF:2314919.2/23

Out: 389.750+/-0.074 χ^2/NDF:2588405.1/28

All: 388.563+/-0.053 χ^2/NDF: 4903856.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/7

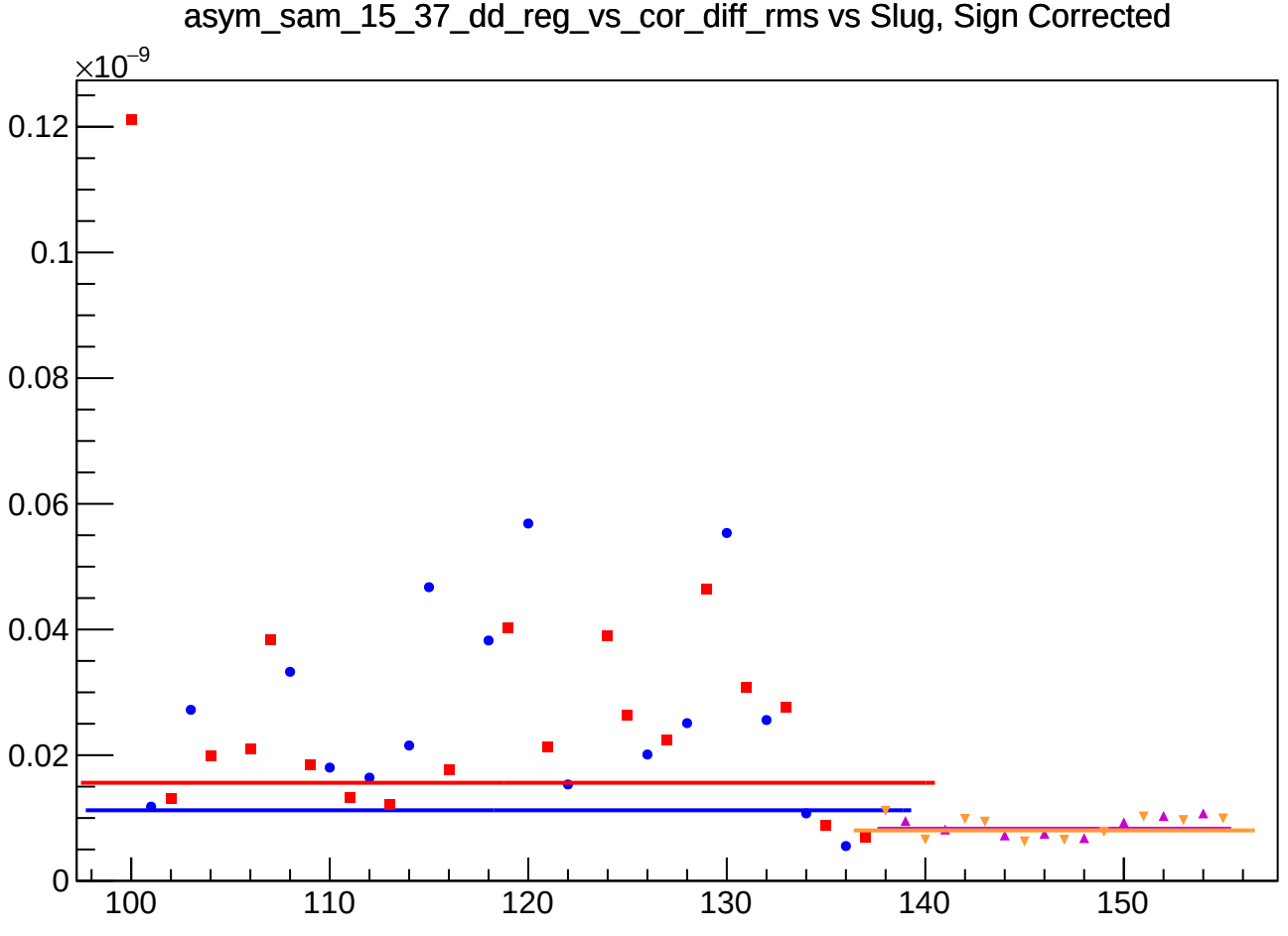
Left: -0.000+/-0.000 χ^2/NDF: 13.4/17

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:15.9/23

Out: 0.000+/-0.000 χ^2/NDF:33.8/28

All: -0.000+/-0.000 χ^2/NDF: 50.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:290859.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:131779.0/7

Left: 0.000+/-0.000 χ^2/NDF: 425634.7/17

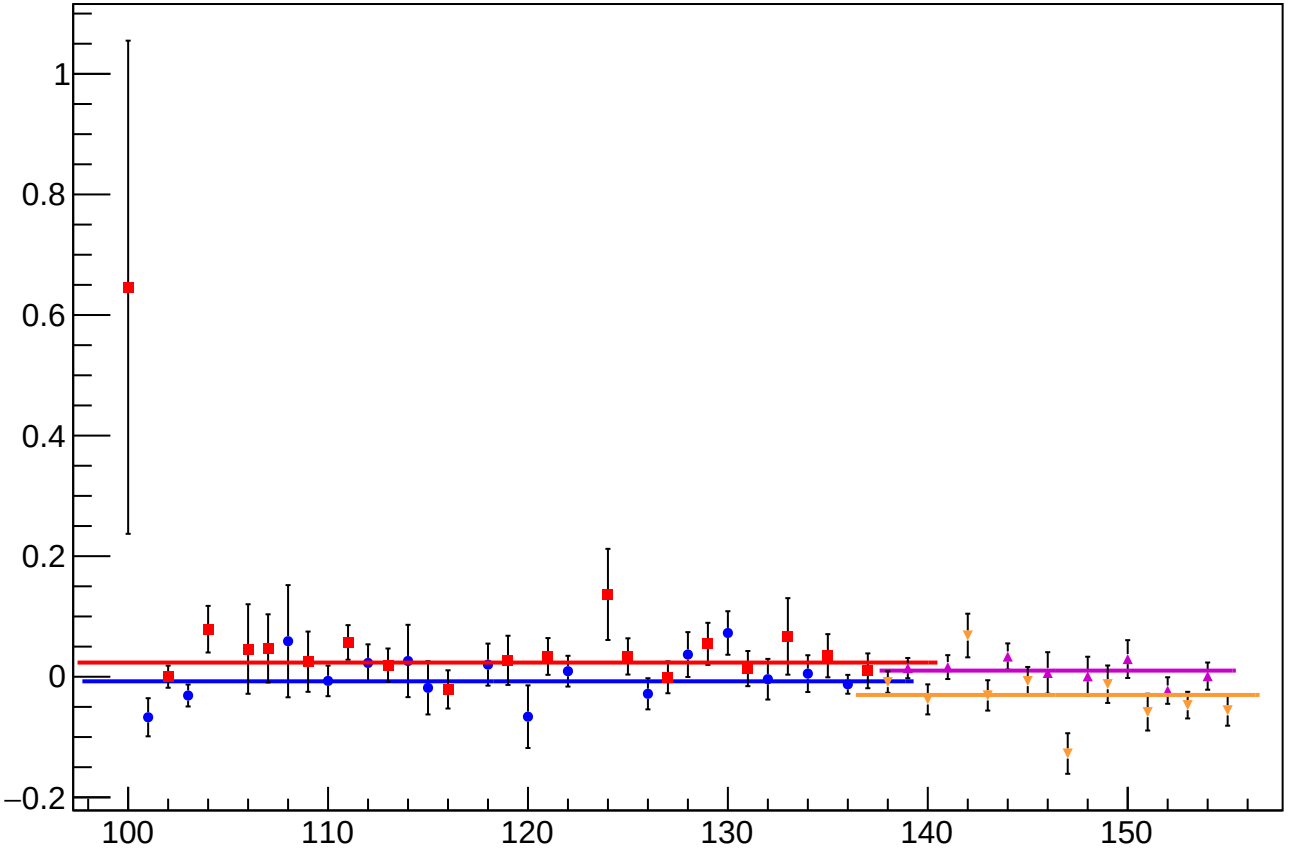
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2426846.4/23

Out: 0.000+/-0.000 χ^2/NDF:2382781.9/28

All: 0.000+/-0.000 χ^2/NDF: 4811211.1/52

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: -0.030+/-0.008 χ^2/NDF:21.0/9

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.010+/-0.008 χ^2/NDF:4.2/7

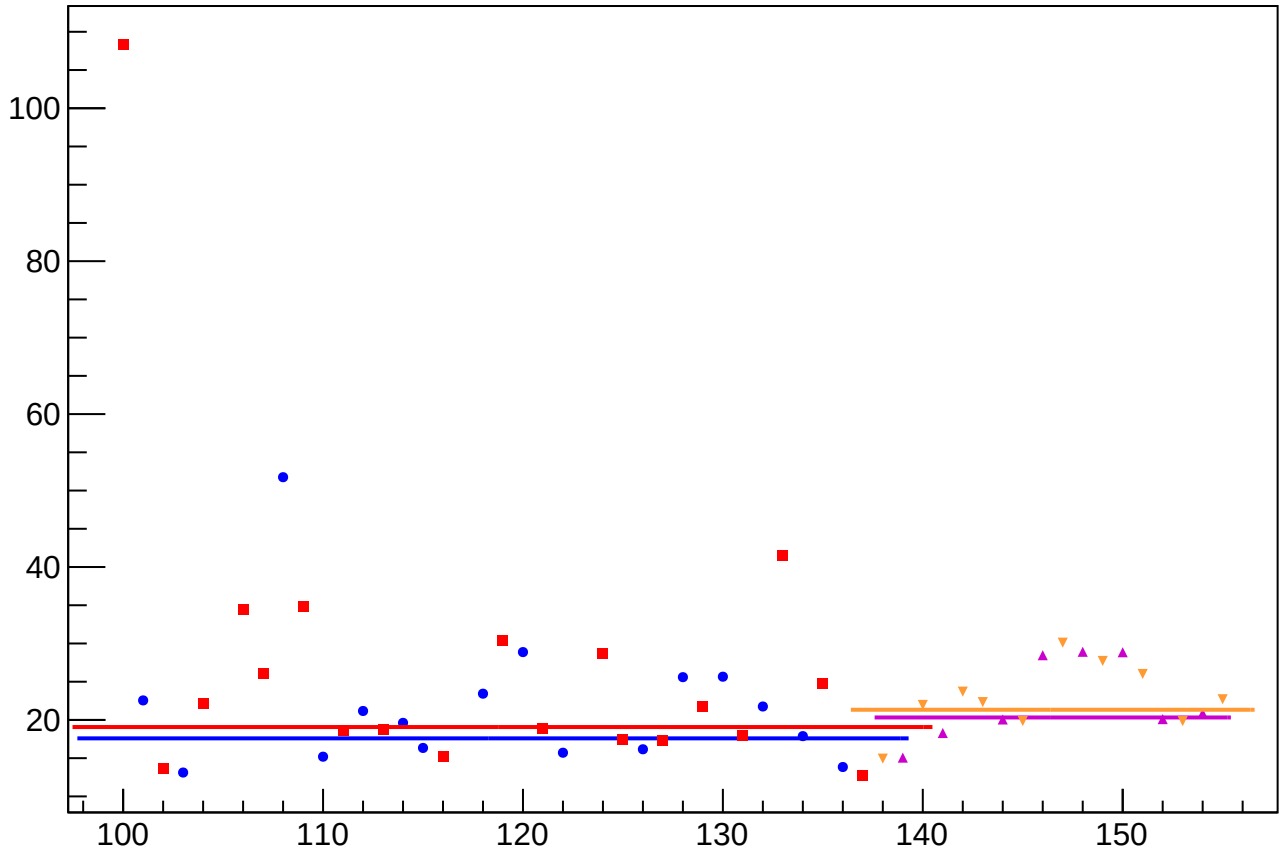
Left: -0.010+/-0.006 χ^2/NDF: 37.7/17

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.005 χ^2/NDF:23.6/23

Out: -0.002+/-0.006 χ^2/NDF:58.9/28

All: -0.001+/-0.004 χ^2/NDF: 82.6/52



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 21.332+/-0.006 χ^2/NDF:560741.3/9

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.323+/-0.006 χ^2/NDF:618008.6/7

Left: 20.836+/-0.004 χ^2/NDF: 1194303.2/17

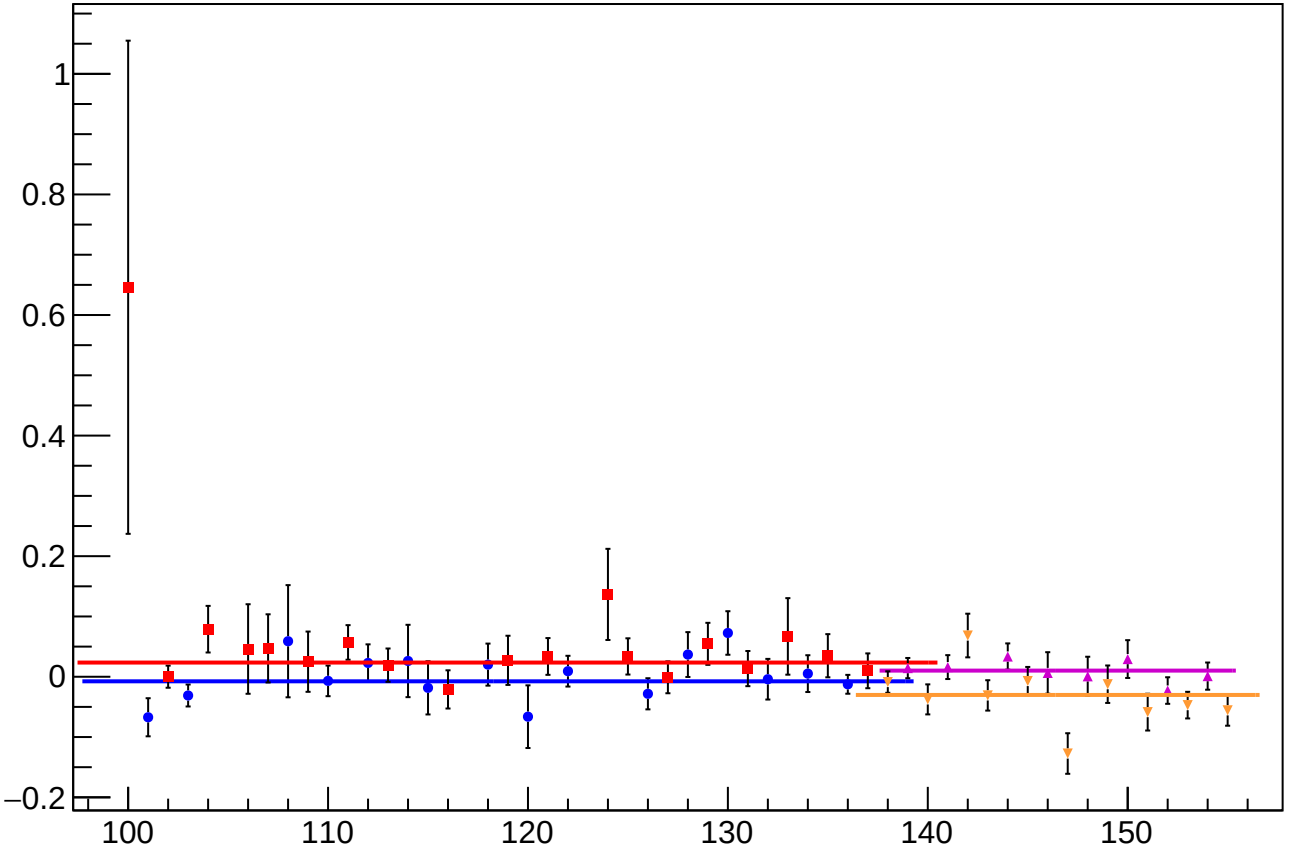
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 18.788+/-0.004 χ^2/NDF:1737397.9/23

Out: 20.161+/-0.004 χ^2/NDF:1890852.7/28

All: 19.453+/-0.003 χ^2/NDF: 3690872.4/52

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.030+/-0.008 χ^2/NDF:21.0/9

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.010+/-0.008 χ^2/NDF:4.2/7

Left: -0.010+/-0.006 χ^2/NDF: 37.7/17

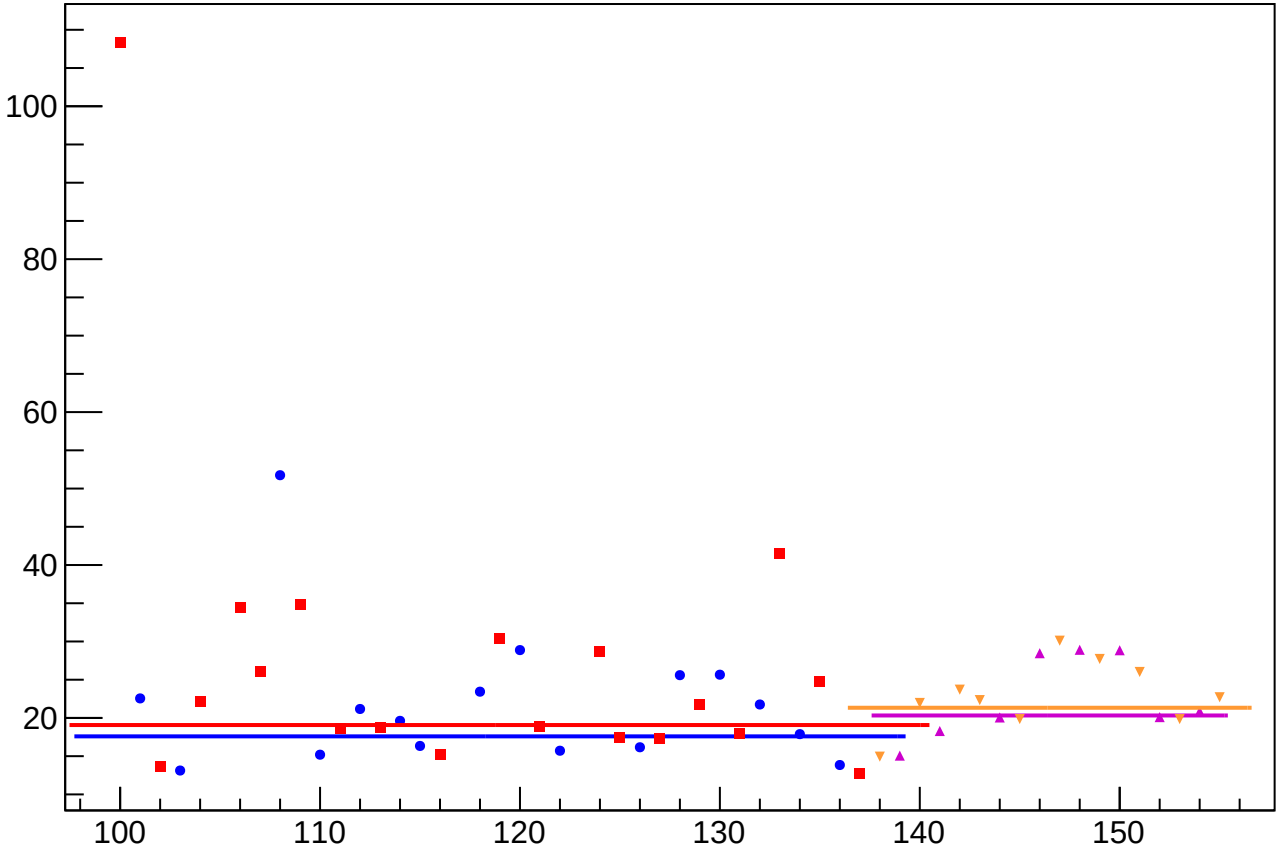
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.005 χ^2/NDF:23.6/23

Out: -0.002+/-0.006 χ^2/NDF:58.9/28

All: -0.001+/-0.004 χ^2/NDF: 82.6/52

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 21.332+/-0.006 χ^2/NDF:560741.3/9

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.323+/-0.006 χ^2/NDF:618008.6/7

Left: 20.836+/-0.004 χ^2/NDF: 1194303.2/17

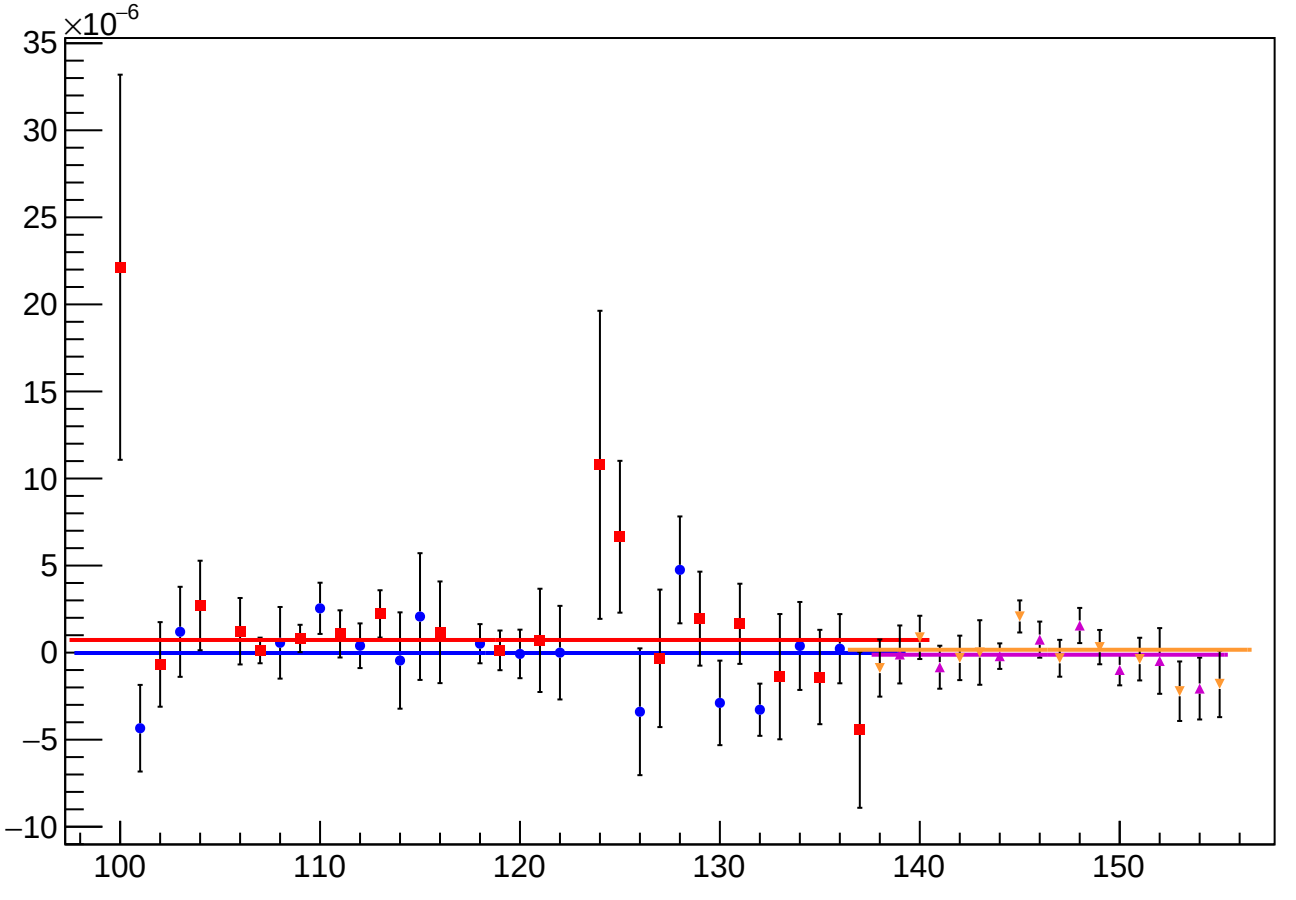
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 18.788+/-0.004 χ^2/NDF:1737397.9/23

Out: 20.161+/-0.004 χ^2/NDF:1890852.7/28

All: 19.453+/-0.003 χ^2/NDF: 3690872.4/52

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:8.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/7

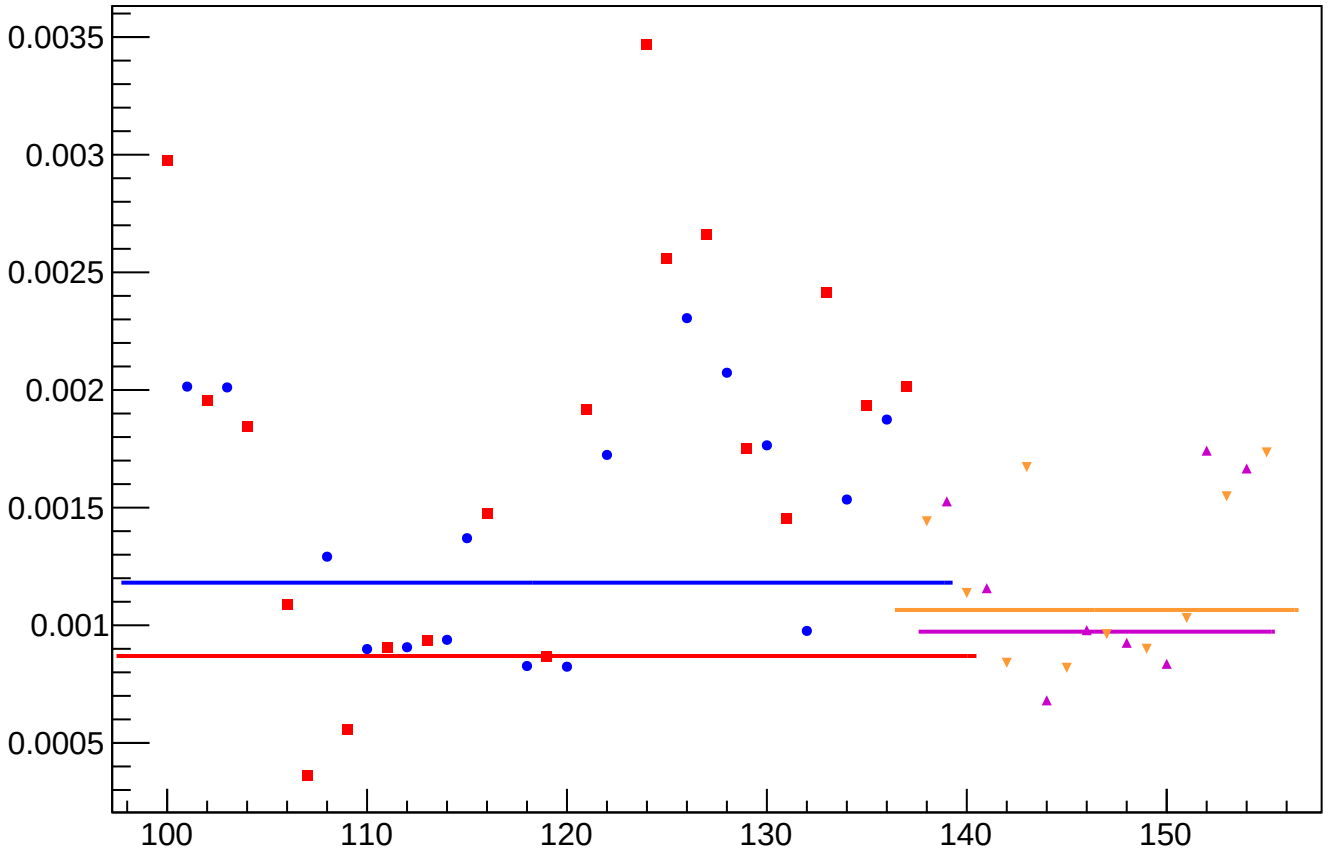
Left: 0.000+/-0.000 χ^2/NDF: 14.9/17

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:22.5/23

Out: 0.000+/-0.000 χ^2/NDF:22.5/28

All: 0.000+/-0.000 χ^2/NDF: 46.8/52



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1012815.0/9

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:1271736.2/7

Left: 0.001+/-0.000 χ^2/NDF: 2339692.4/17

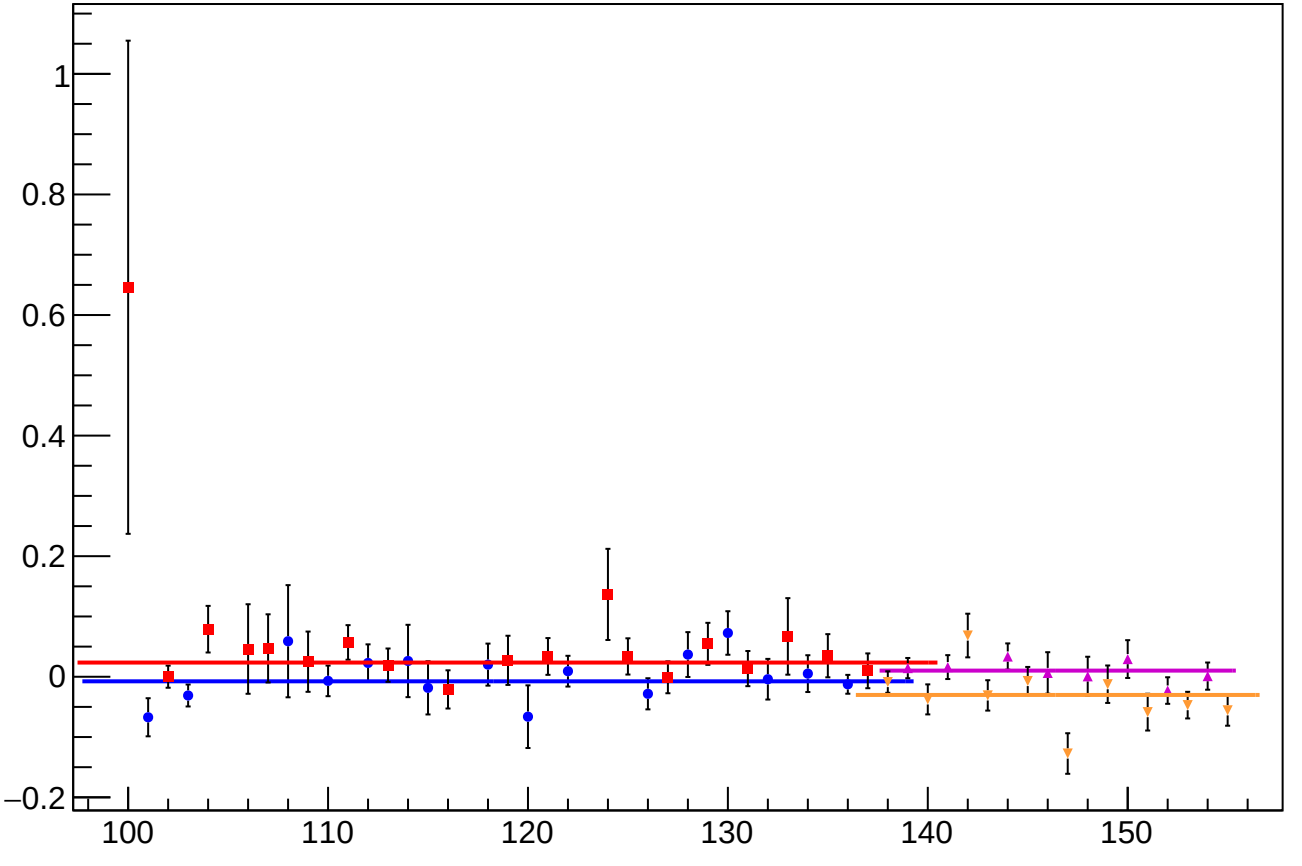
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:3332150.1/23

Out: 0.001+/-0.000 χ^2/NDF:5700222.2/28

All: 0.001+/-0.000 χ^2/NDF: 9137984.4/52

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.030+/-0.008 χ^2/NDF:21.0/9

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.010+/-0.008 χ^2/NDF:4.2/7

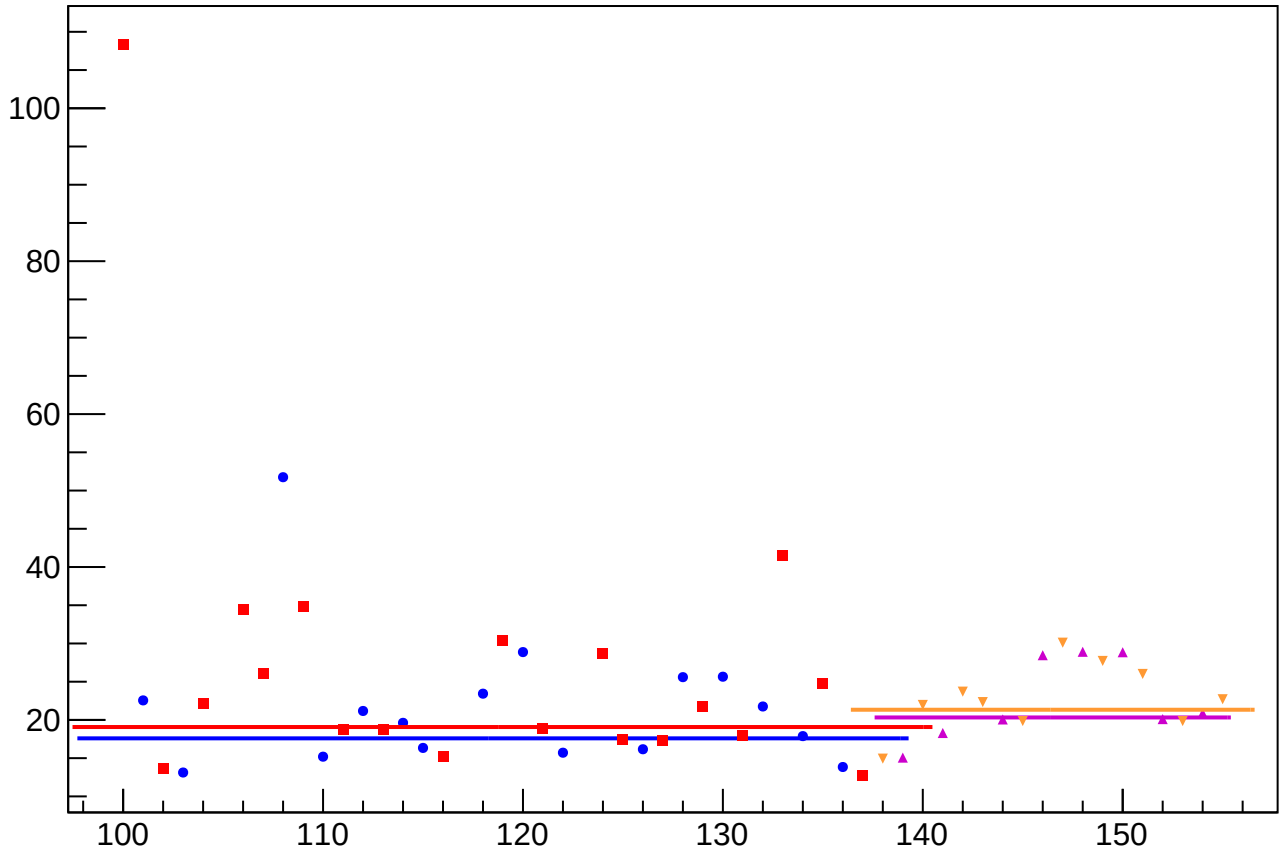
Left: -0.010+/-0.006 χ^2/NDF: 37.7/17

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.005 χ^2/NDF:23.6/23

Out: -0.002+/-0.006 χ^2/NDF:58.9/28

All: -0.001+/-0.004 χ^2/NDF: 82.6/52



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 21.333+/-0.006 χ^2/NDF:560728.0/9

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 20.324+/-0.006 χ^2/NDF:617969.6/7

Left: 20.836+/-0.004 χ^2/NDF: 1194248.9/17

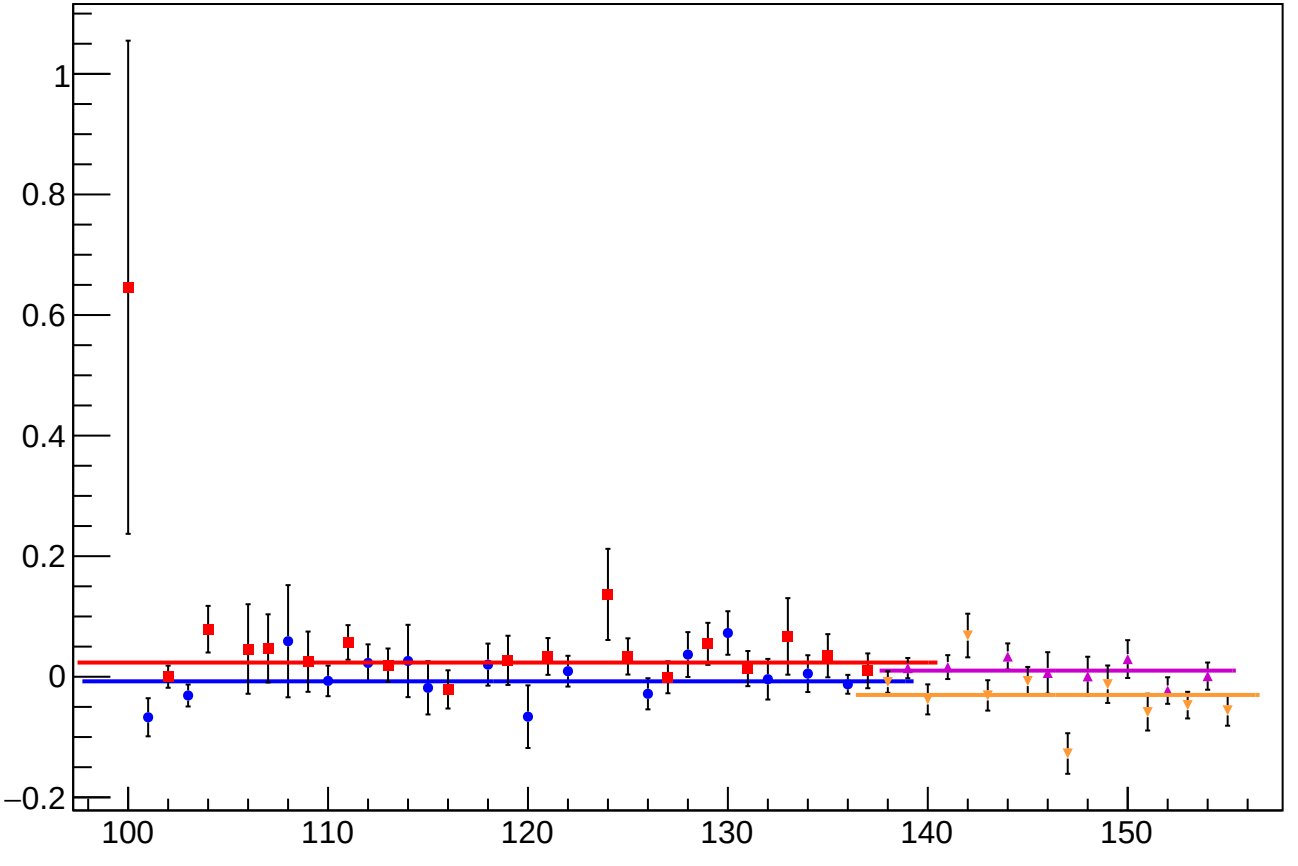
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 18.788+/-0.004 χ^2/NDF:1737420.4/23

Out: 20.162+/-0.004 χ^2/NDF:1890752.9/28

All: 19.453+/-0.003 χ^2/NDF: 3690807.7/52

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: -0.030+/-0.008 χ^2/NDF:21.0/9

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.010+/-0.008 χ^2/NDF:4.2/7

Left: -0.010+/-0.006 χ^2/NDF: 37.7/17

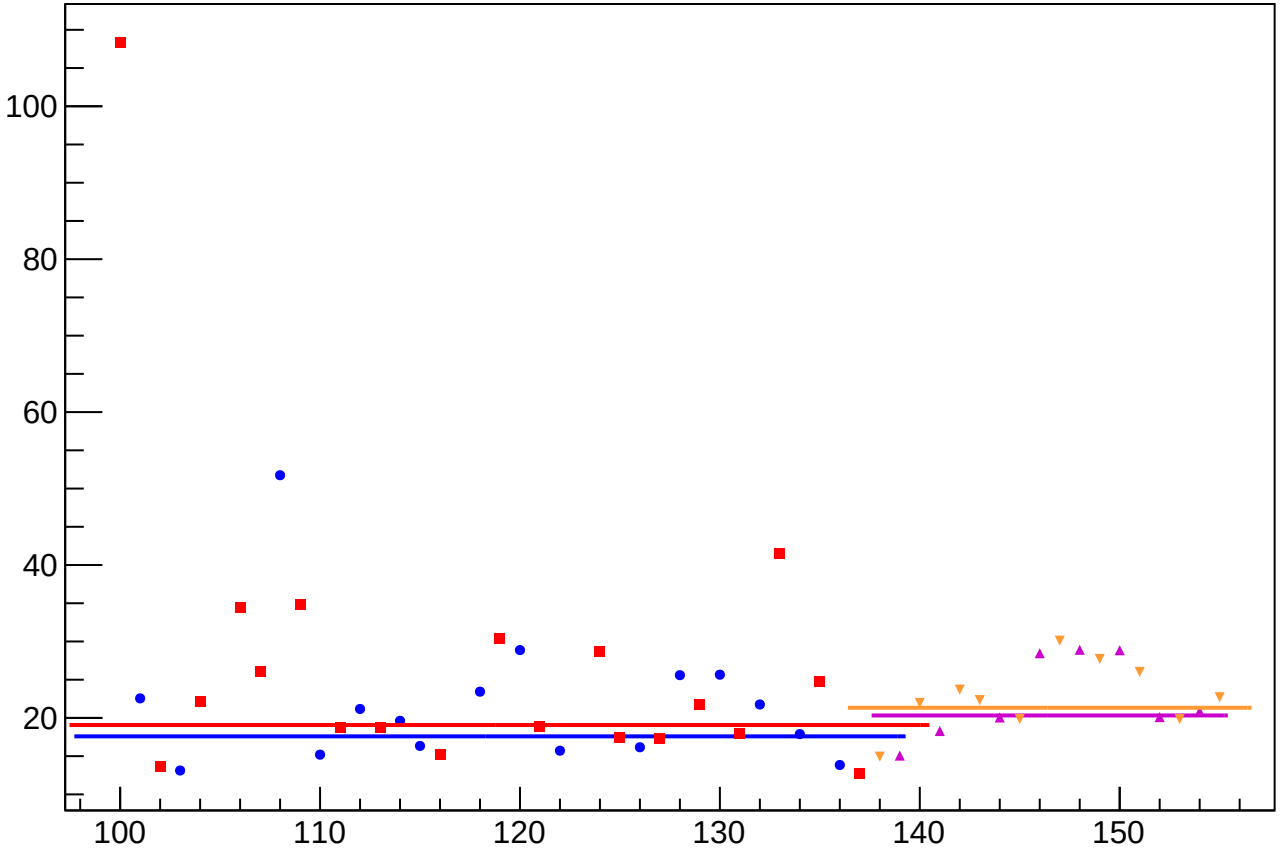
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.005 χ^2/NDF:23.6/23

Out: -0.002+/-0.006 χ^2/NDF:58.9/28

All: -0.001+/-0.004 χ^2/NDF: 82.6/52

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: 21.333+/-0.006 χ^2/NDF:560728.0/9

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 20.324+/-0.006 χ^2/NDF:617969.6/7

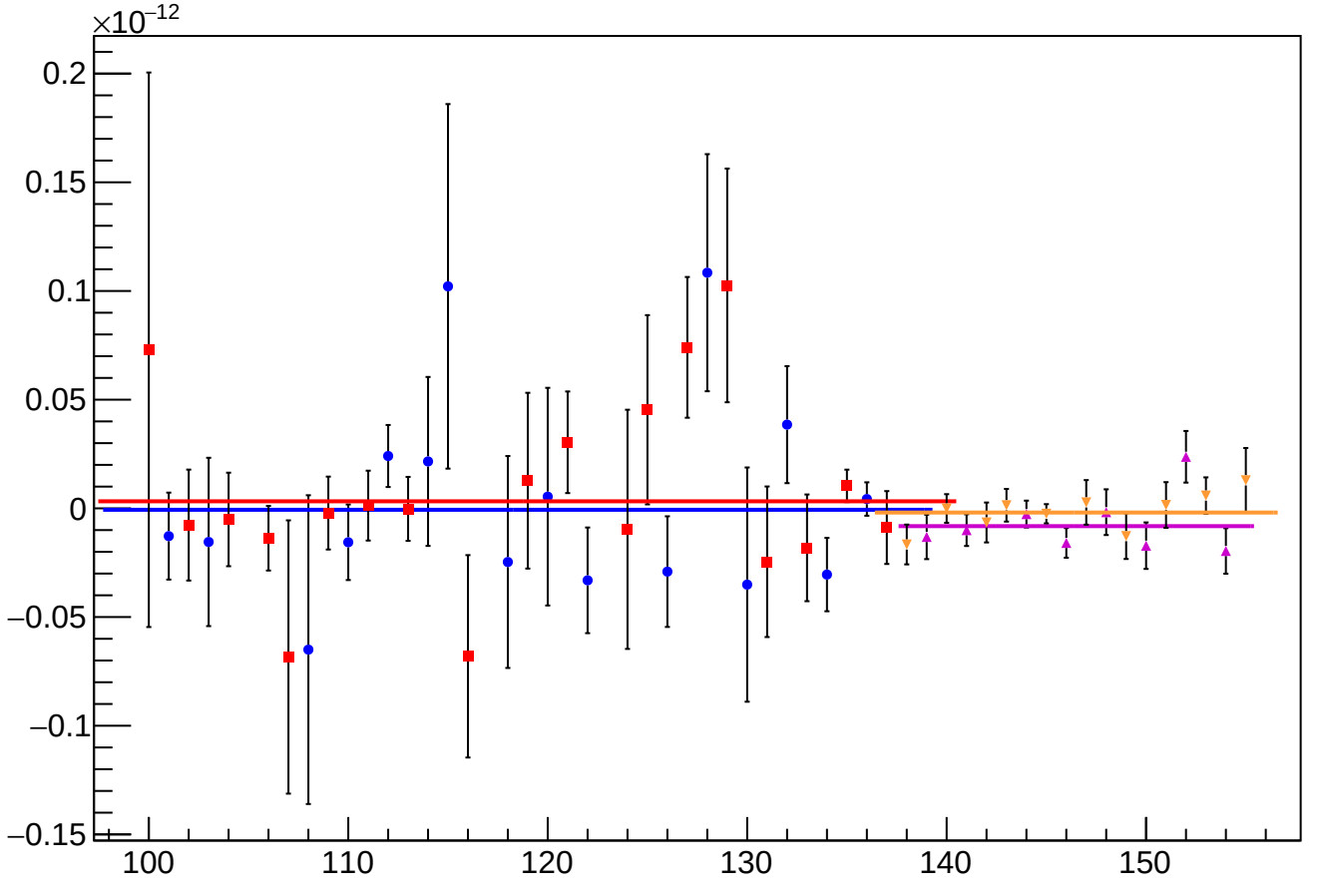
Left: 20.836+/-0.004 χ^2/NDF: 1194248.9/17

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 18.788+/-0.004 χ^2/NDF:1737420.4/23

Out: 20.162+/-0.004 χ^2/NDF:1890752.9/28

All: 19.453+/-0.003 χ^2/NDF: 3690807.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/7

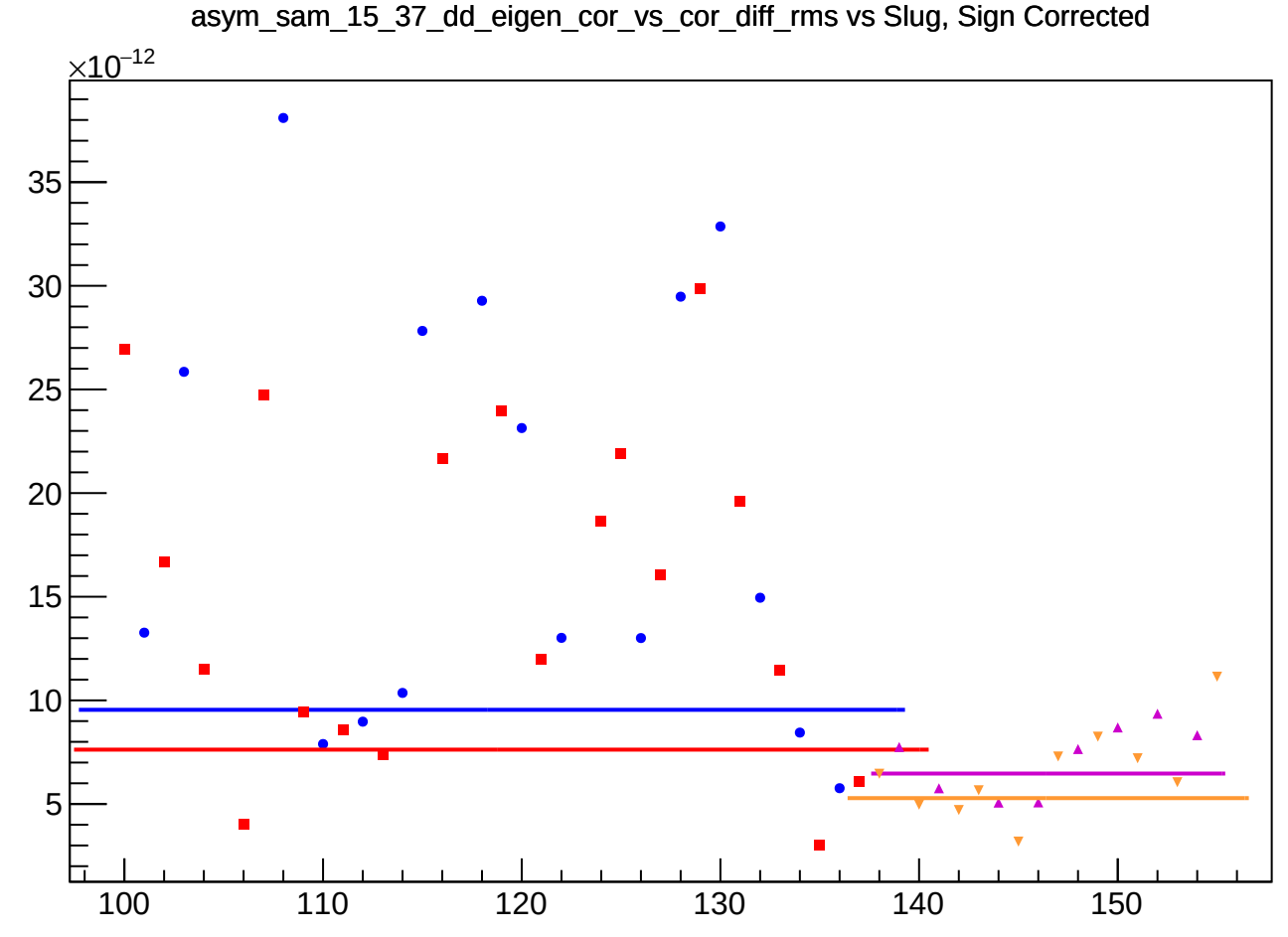
Left: -0.000+/-0.000 χ^2/NDF: 20.8/17

Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:33.7/23

Out: -0.000+/-0.000 χ^2/NDF:26.6/28

All: -0.000+/-0.000 χ^2/NDF: 63.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1130476.5/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:528427.9/7

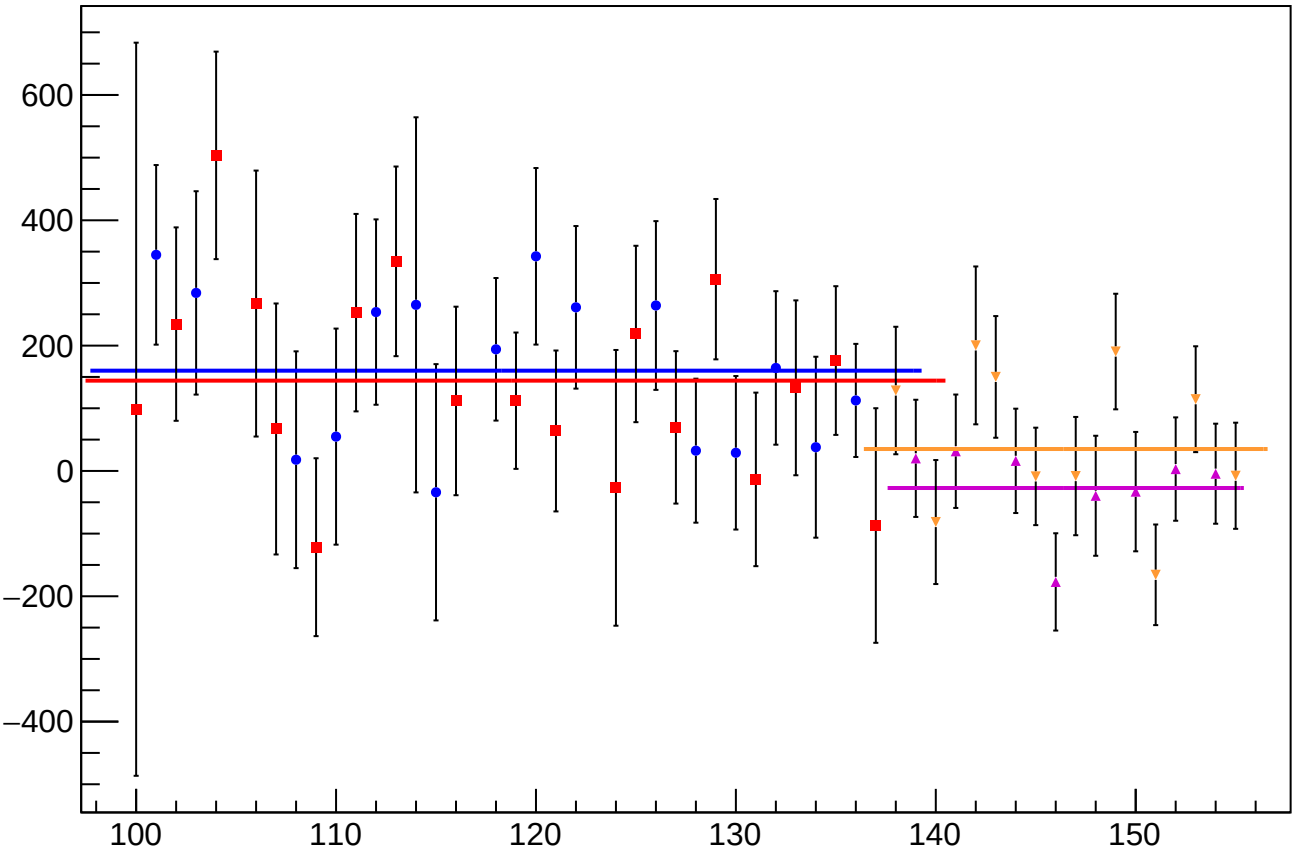
Left: 0.000+/-0.000 χ^2/NDF: 1843182.9/17

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:3704544.0/23

Out: 0.000+/-0.000 χ^2/NDF:4633026.6/28

All: 0.000+/-0.000 χ^2/NDF: 8700885.6/52



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 35.006+/-28.895 χ^2/NDF:16.1/9

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -27.228+/-30.573 χ^2/NDF:4.9/7

Left: 5.643+/-21.000 χ^2/NDF: 23.2/17

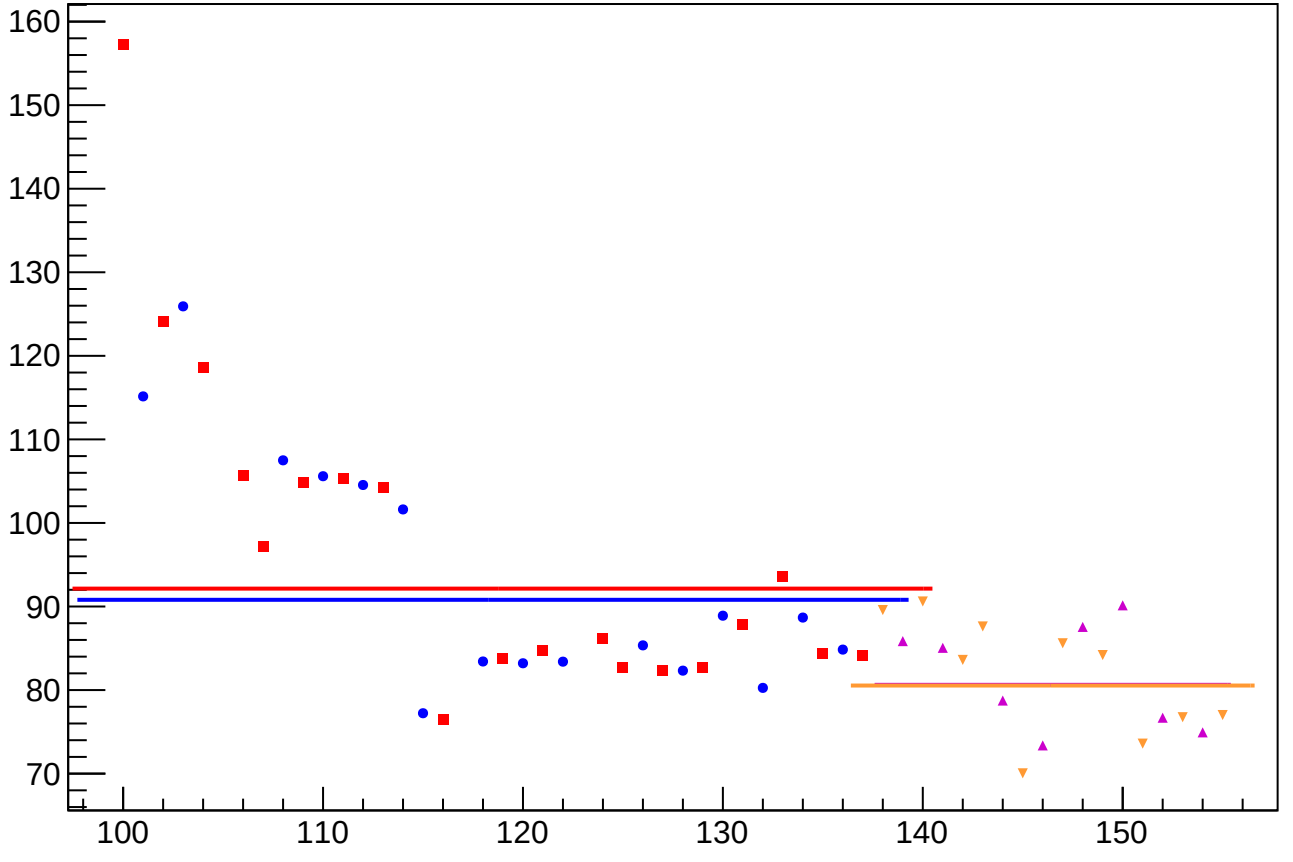
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 56.029+/-22.784 χ^2/NDF:32.7/23

Out: 80.432+/-22.076 χ^2/NDF:39.5/28

All: 68.616+/-15.855 χ^2/NDF: 72.7/52

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: 80.543+/-0.020 χ^2/NDF:116116.1/9

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 80.626+/-0.022 χ^2/NDF:74653.0/7

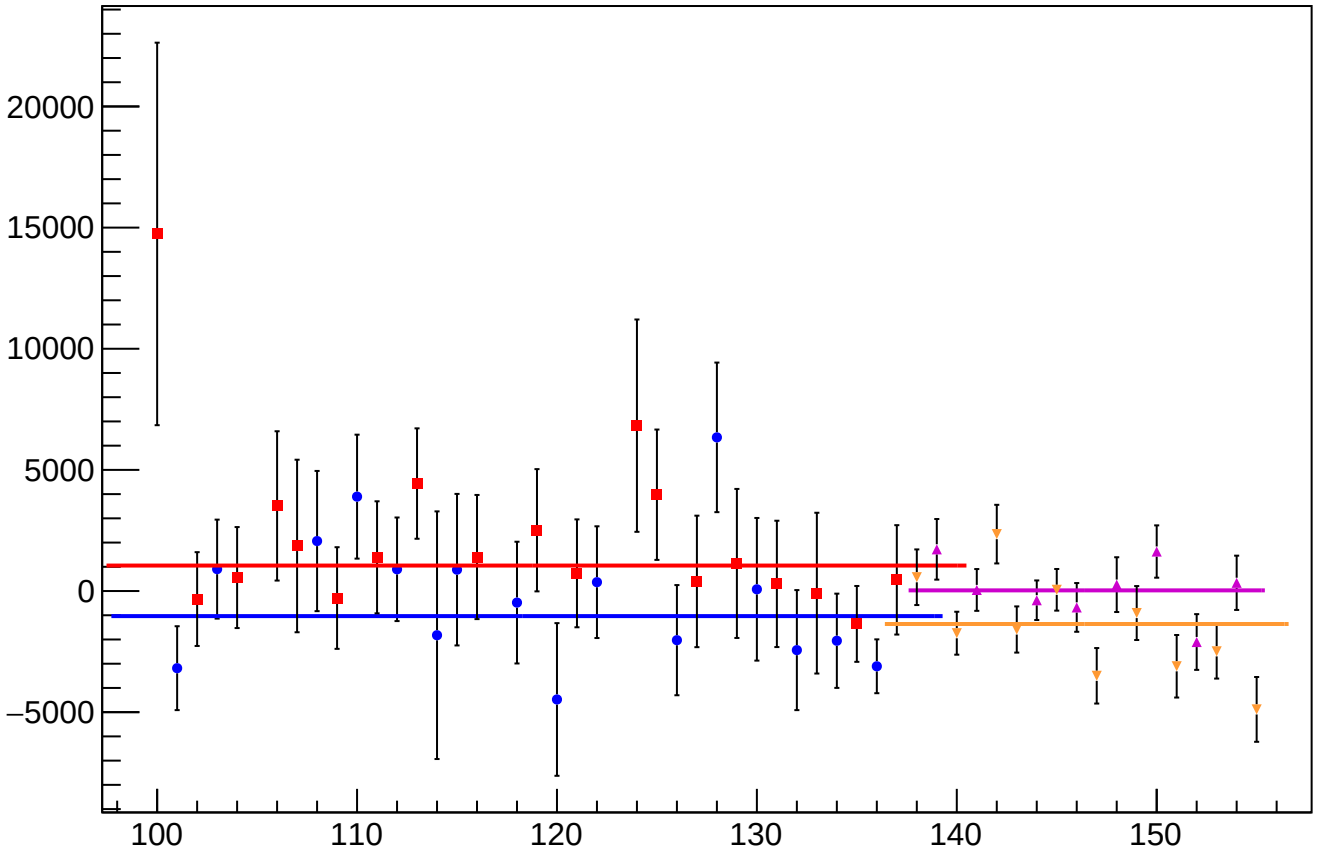
Left: 80.582+/-0.015 χ^2/NDF: 190777.0/17

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 85.151+/-0.016 χ^2/NDF:445910.8/23

Out: 85.371+/-0.016 χ^2/NDF:552306.3/28

All: 85.265+/-0.011 χ^2/NDF: 998314.0/52



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1360.789+/-339.220 χ^2/NDF:28.6/9

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 27.133+/-361.213 χ^2/NDF:8.3/7

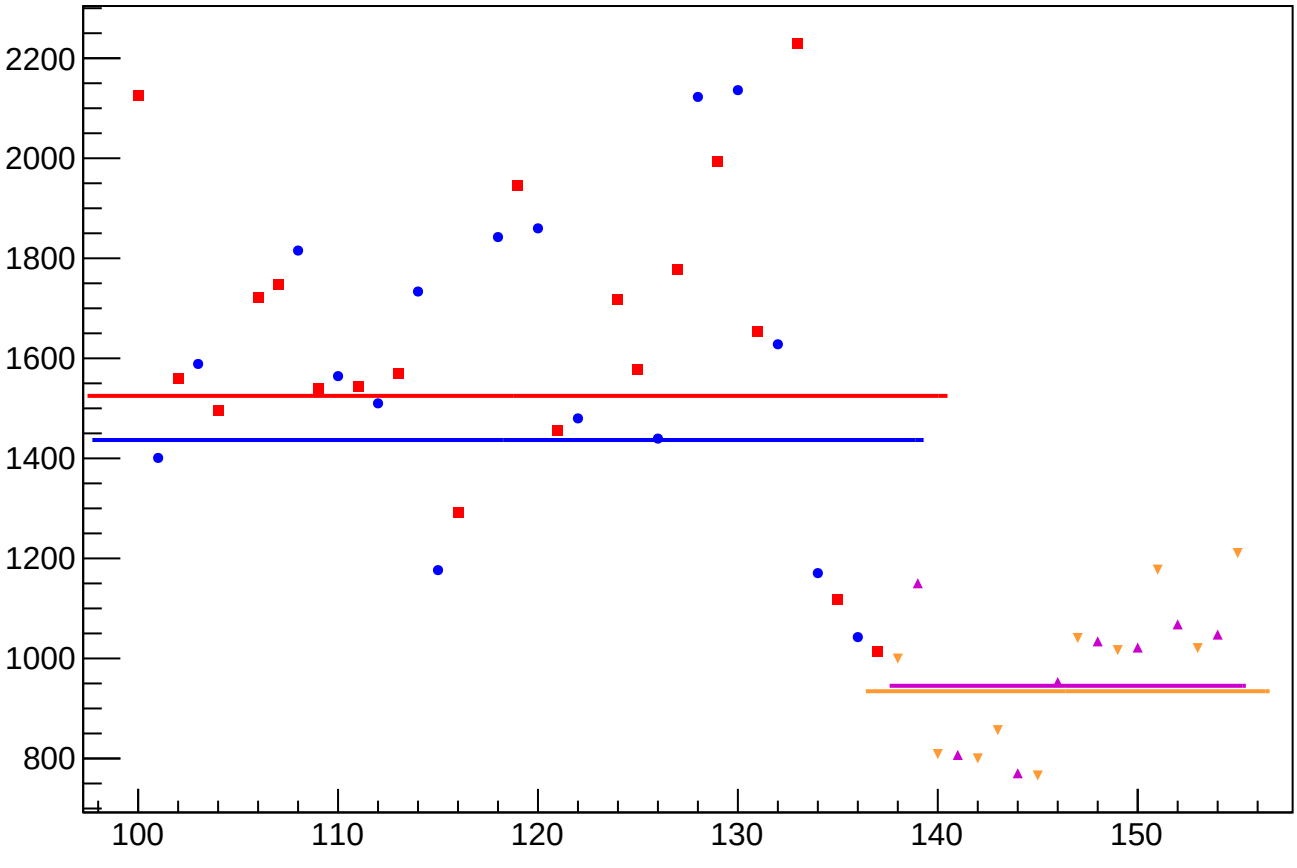
Left: -710.366+/-247.274 χ^2/NDF: 44.8/17

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -292.777+/-301.956 χ^2/NDF:31.2/23

Out: -728.128+/-291.361 χ^2/NDF:54.7/28

All: -518.225+/-209.669 χ^2/NDF: 87.0/52



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 934.443+/-0.240 χ^2/NDF:357626.3/9

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 945.352+/-0.255 χ^2/NDF:258775.5/7

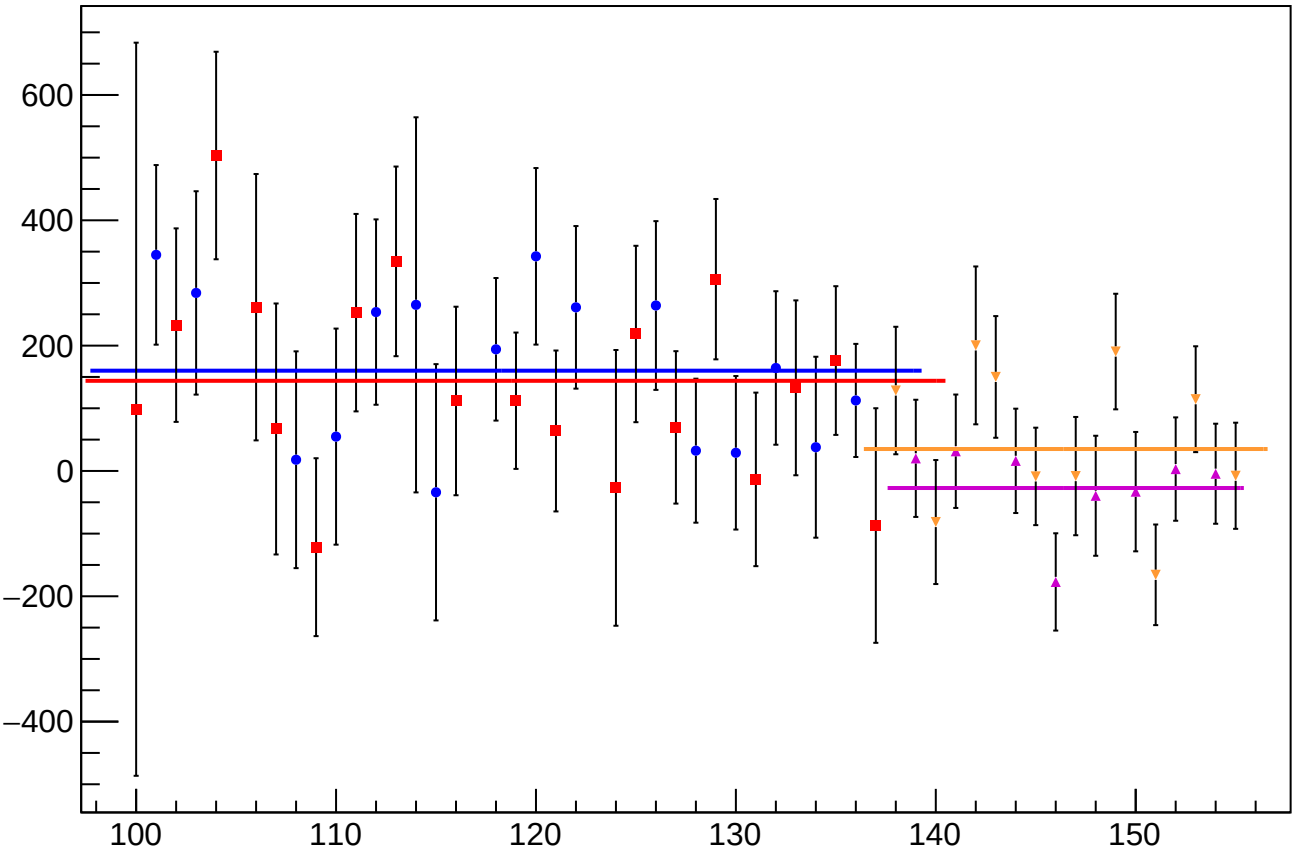
Left: 939.555+/-0.175 χ^2/NDF: 617371.1/17

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1093.350+/-0.214 χ^2/NDF:2049198.1/23

Out: 1089.313+/-0.206 χ^2/NDF:2451705.9/28

All: 1091.259+/-0.148 χ^2/NDF: 4501089.1/52



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 35.009+/-28.895 χ^2/NDF:16.1/9

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -27.229+/-30.573 χ^2/NDF:4.9/7

Left: 5.645+/-21.000 χ^2/NDF: 23.2/17

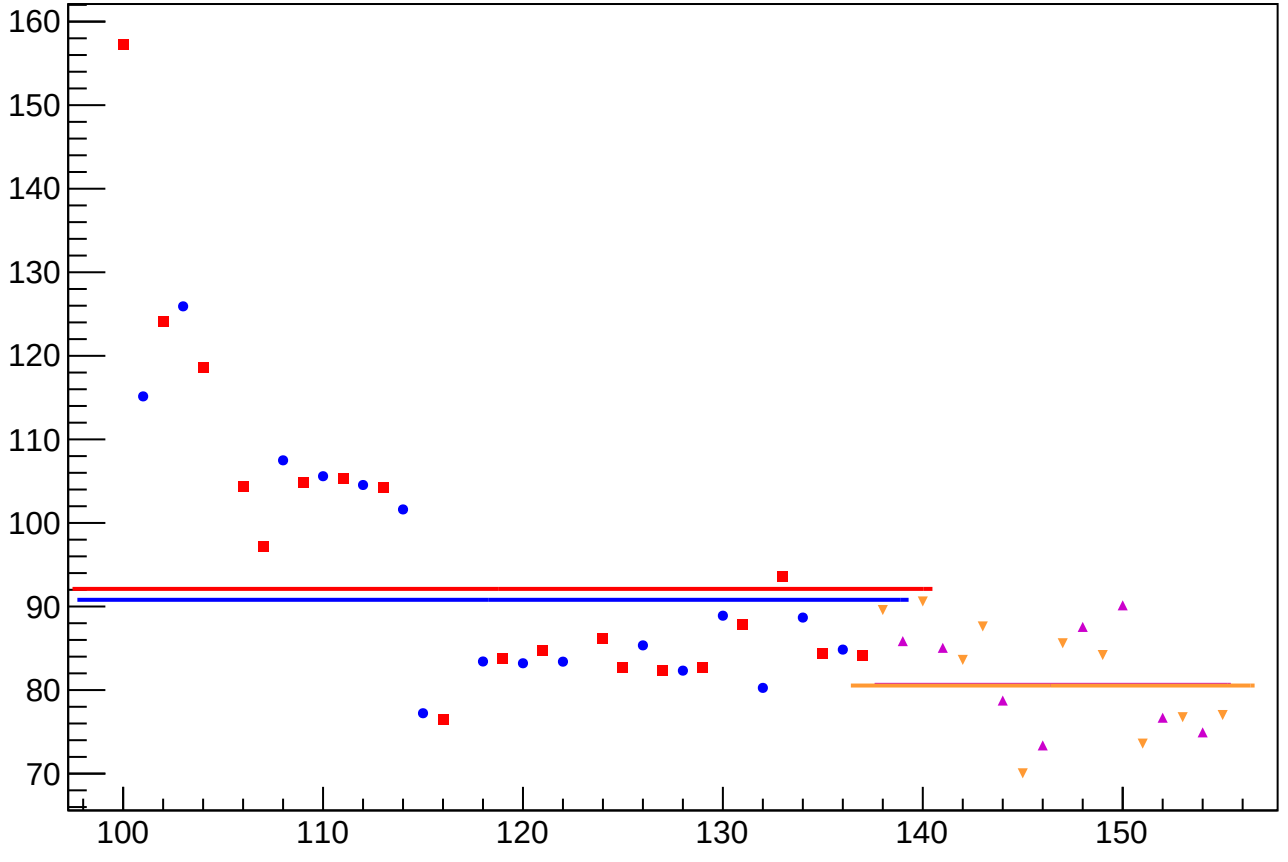
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 56.026+/-22.784 χ^2/NDF:32.7/23

Out: 80.324+/-22.076 χ^2/NDF:39.4/28

All: 68.559+/-15.855 χ^2/NDF: 72.6/52

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: 80.543+/-0.020 χ^2/NDF:116116.1/9

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.626+/-0.022 χ^2/NDF:74653.0/7

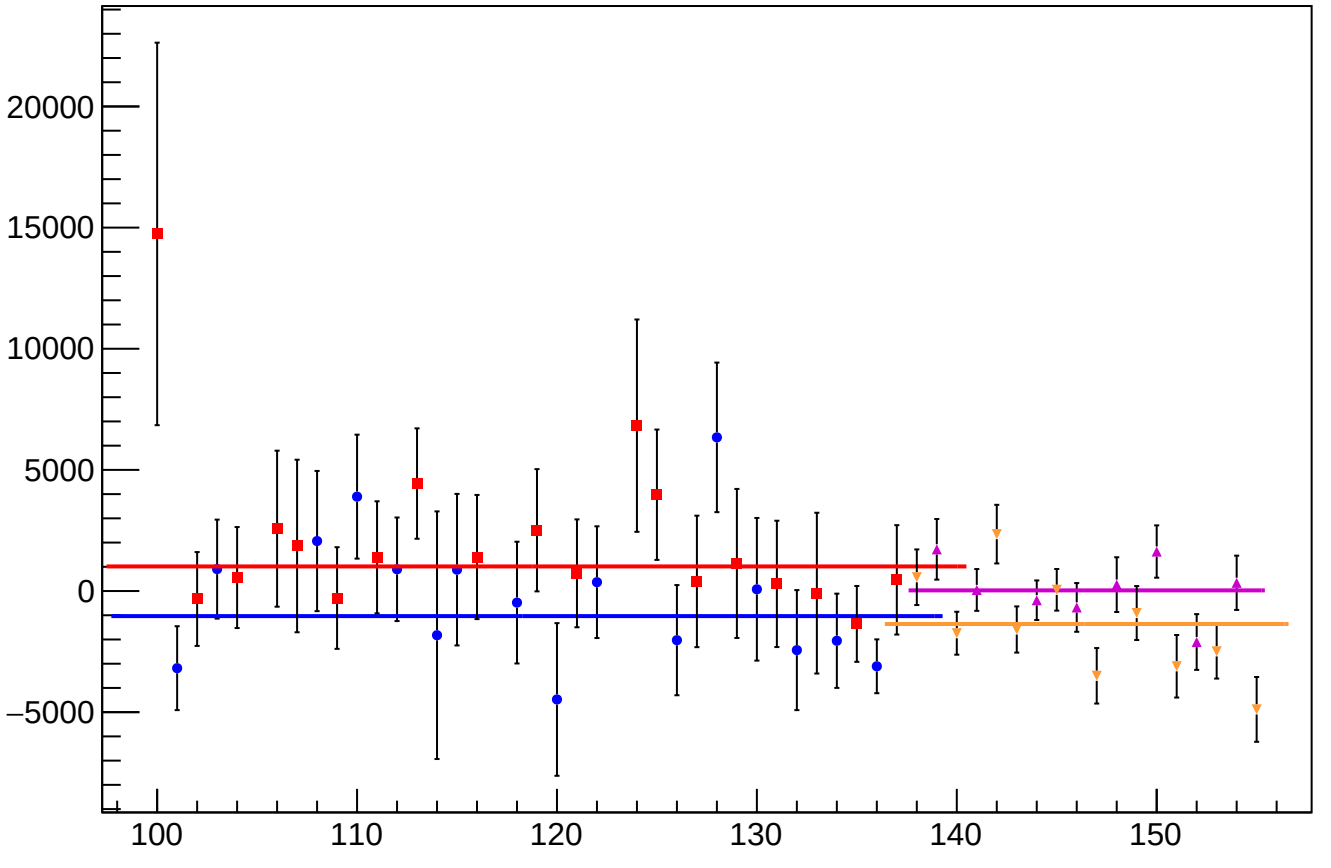
Left: 80.582+/-0.015 χ^2/NDF: 190777.0/17

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 85.151+/-0.016 χ^2/NDF:445912.7/23

Out: 85.357+/-0.016 χ^2/NDF:550268.0/28

All: 85.257+/-0.011 χ^2/NDF: 996265.6/52



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1360.782+/-339.220 χ^2/NDF:28.6/9

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 27.136+/-361.214 χ^2/NDF:8.3/7

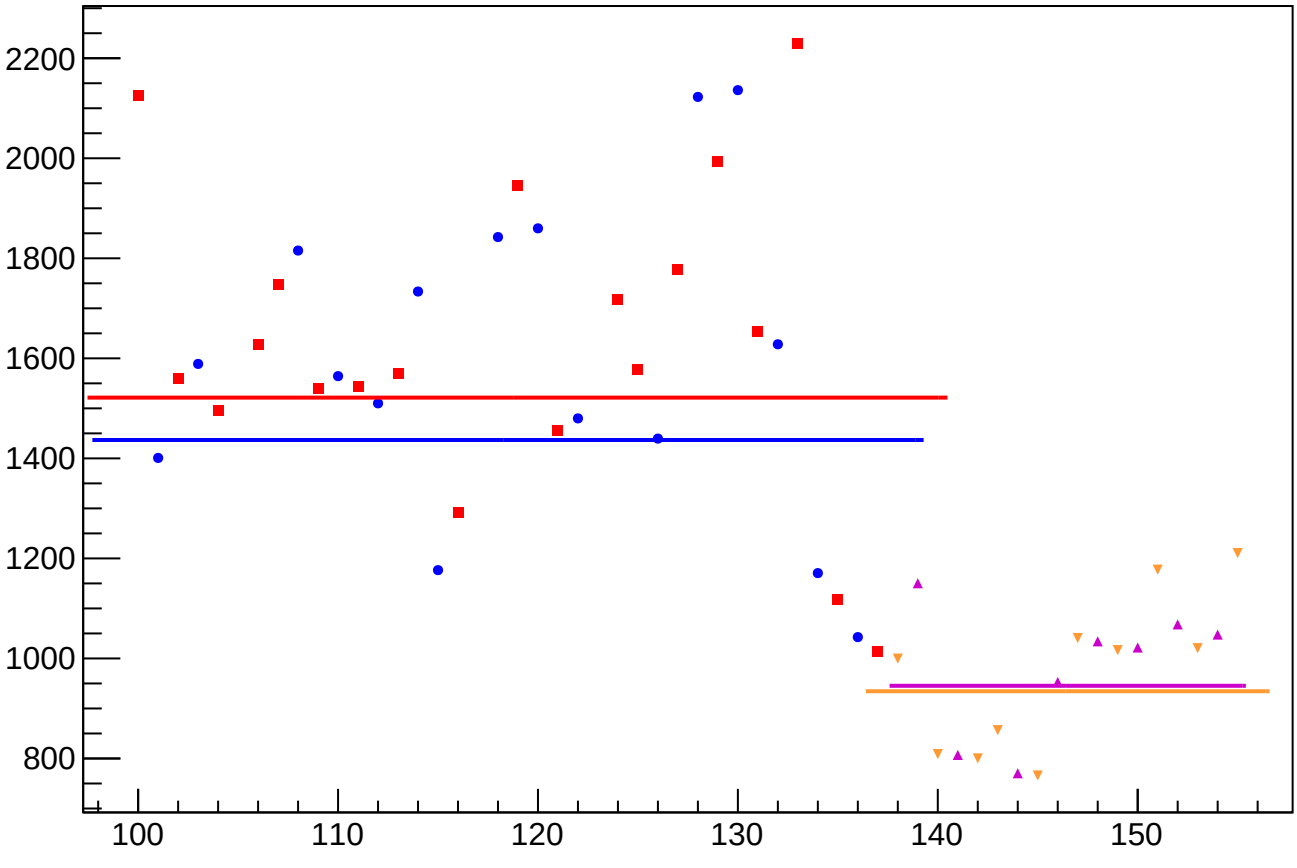
Left: -710.361+/-247.274 χ^2/NDF: 44.8/17

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -292.767+/-301.957 χ^2/NDF:31.2/23

Out: -738.952+/-291.473 χ^2/NDF:53.9/28

All: -523.739+/-209.711 χ^2/NDF: 86.2/52



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 934.442+/-0.240 χ^2/NDF:357627.3/9

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 945.352+/-0.255 χ^2/NDF:258775.9/7

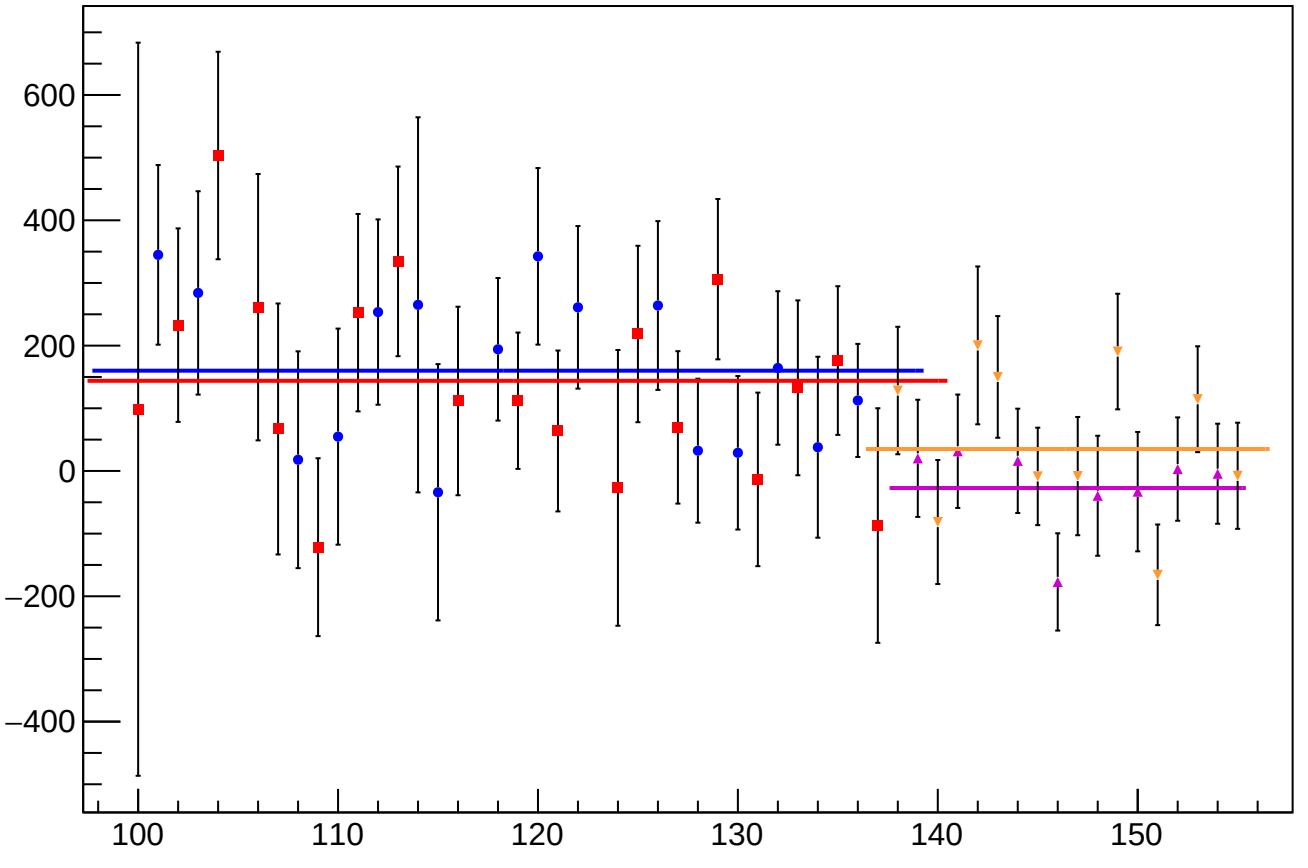
Left: 939.555+/-0.175 χ^2/NDF: 617372.6/17

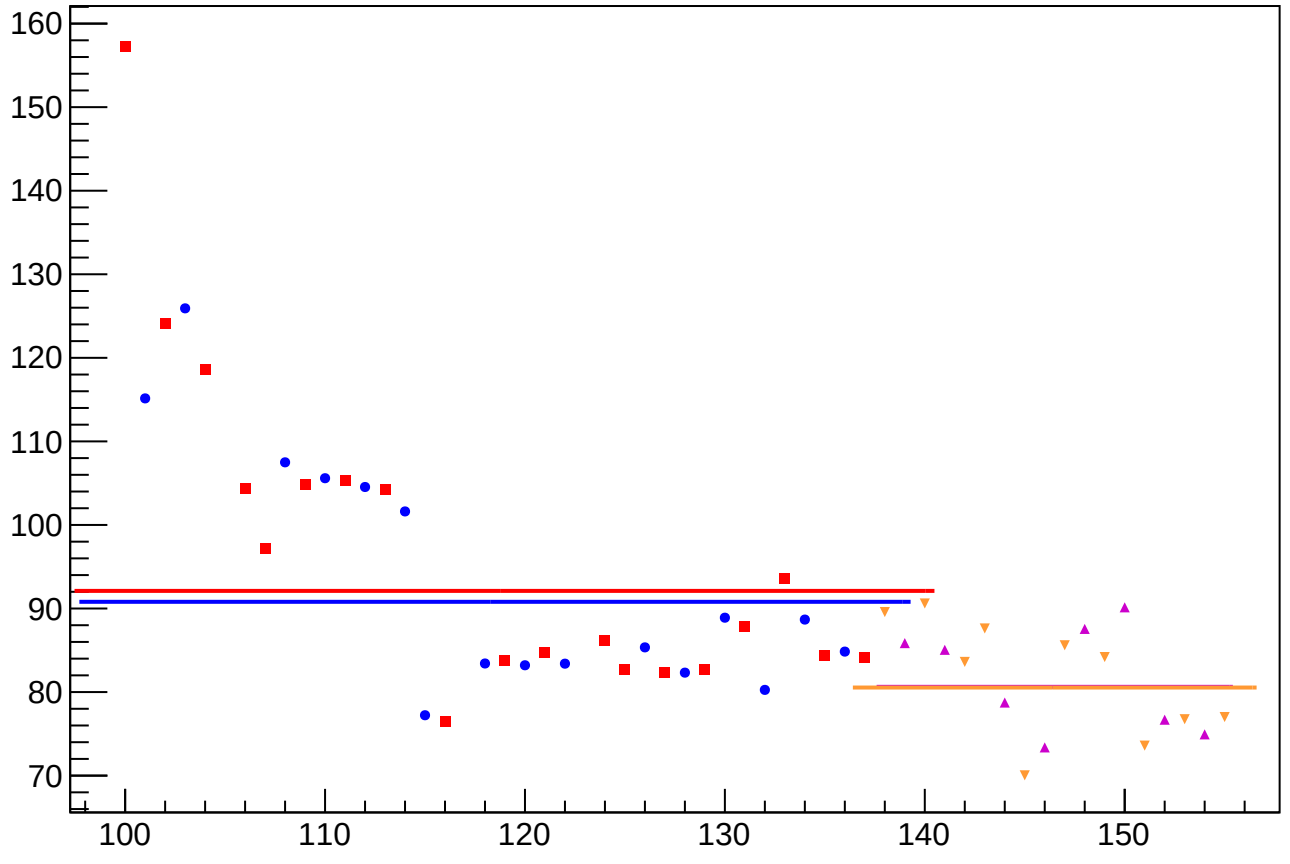
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1093.351+/-0.214 χ^2/NDF:2049218.0/23

Out: 1088.071+/-0.206 χ^2/NDF:2423531.7/28

All: 1090.618+/-0.148 χ^2/NDF: 4473066.1/52


eigen_cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
100
110
120
130
140
150
Right In: 160.020+/-34.170 χ²/NDF: 11.1/15
Left Out: 35.009+/-28.895 χ²/NDF:16.1/9
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: -27.229+/-30.573 χ²/NDF:4.9/7
Left: 5.645+/-21.000 χ²/NDF: 23.2/17
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 56.026+/-22.784 χ²/NDF:32.7/23
Out: 80.324+/-22.076 χ²/NDF:39.4/28
All: 68.559+/-15.855 χ²/NDF: 72.6/52



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.543+/-0.020 χ^2/NDF:116116.1/9

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.626+/-0.022 χ^2/NDF:74653.0/7

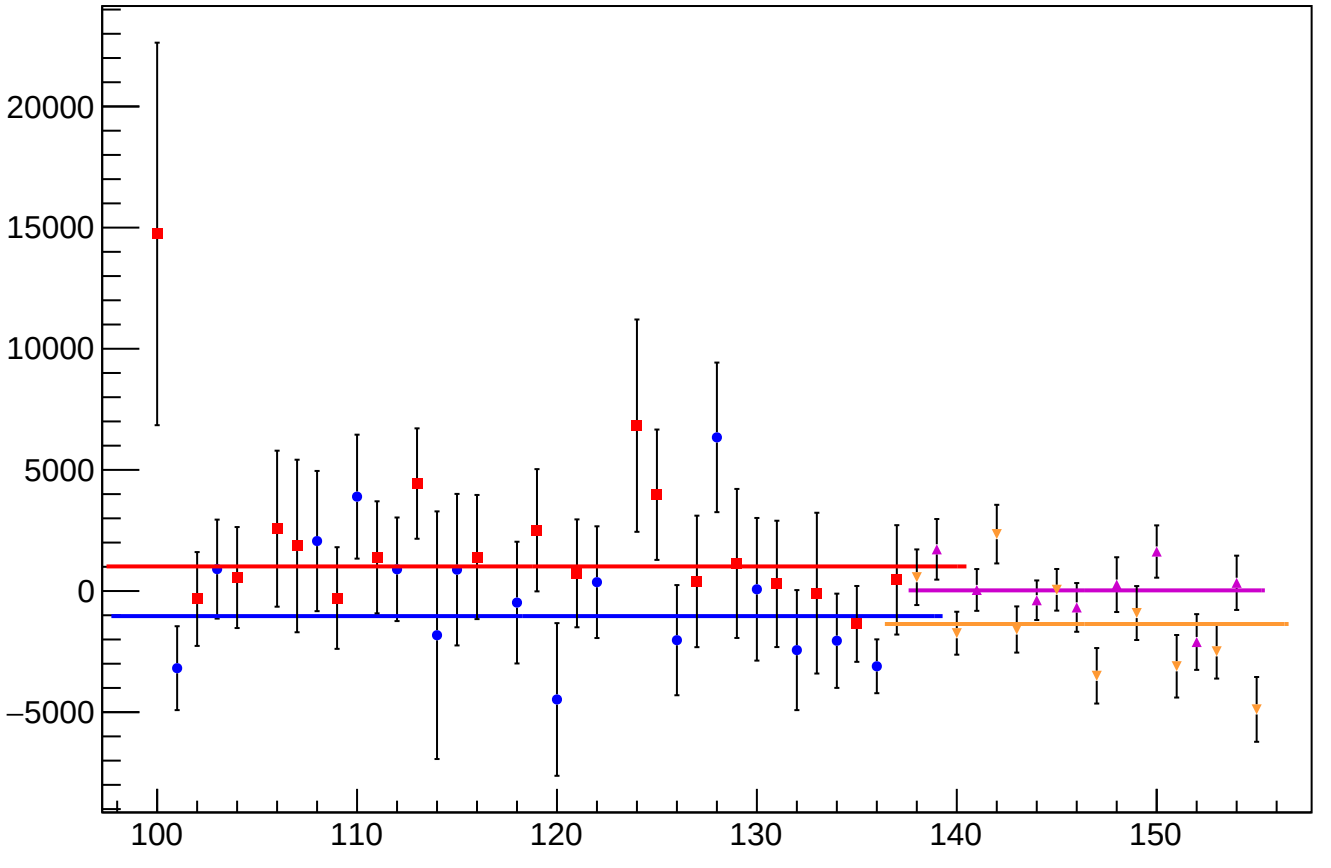
Left: 80.582+/-0.015 χ^2/NDF: 190777.0/17

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 85.151+/-0.016 χ^2/NDF:445912.7/23

Out: 85.357+/-0.016 χ^2/NDF:550268.0/28

All: 85.257+/-0.011 χ^2/NDF: 996265.6/52



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1360.782+/-339.220 χ^2/NDF:28.6/9

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 27.136+/-361.214 χ^2/NDF:8.3/7

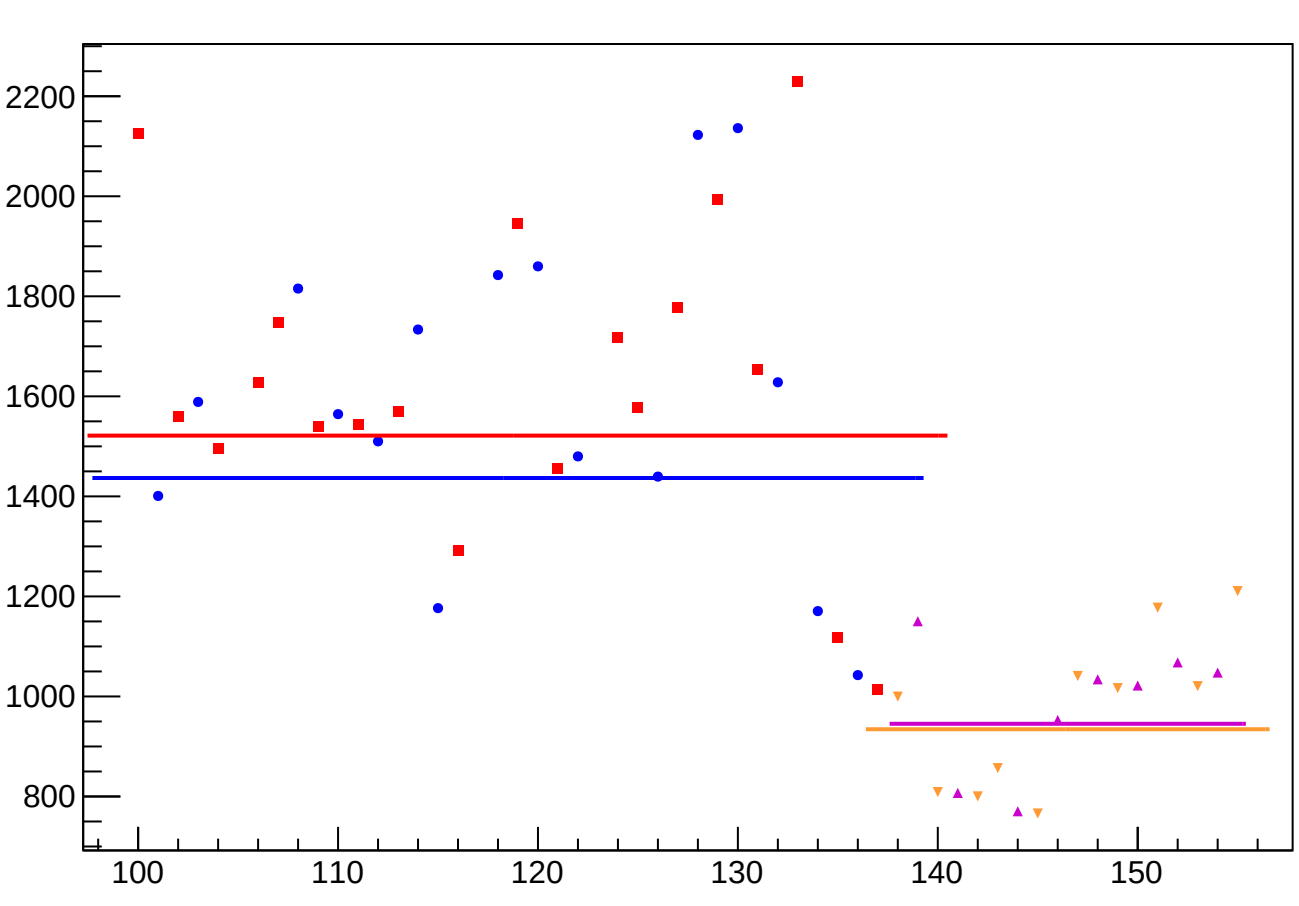
Left: -710.361+/-247.274 χ^2/NDF: 44.8/17

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -292.767+/-301.957 χ^2/NDF:31.2/23

Out: -738.952+/-291.473 χ^2/NDF:53.9/28

All: -523.739+/-209.711 χ^2/NDF: 86.2/52



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 934.442+/-0.240 χ^2/NDF:357627.3/9

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 945.352+/-0.255 χ^2/NDF:258775.9/7

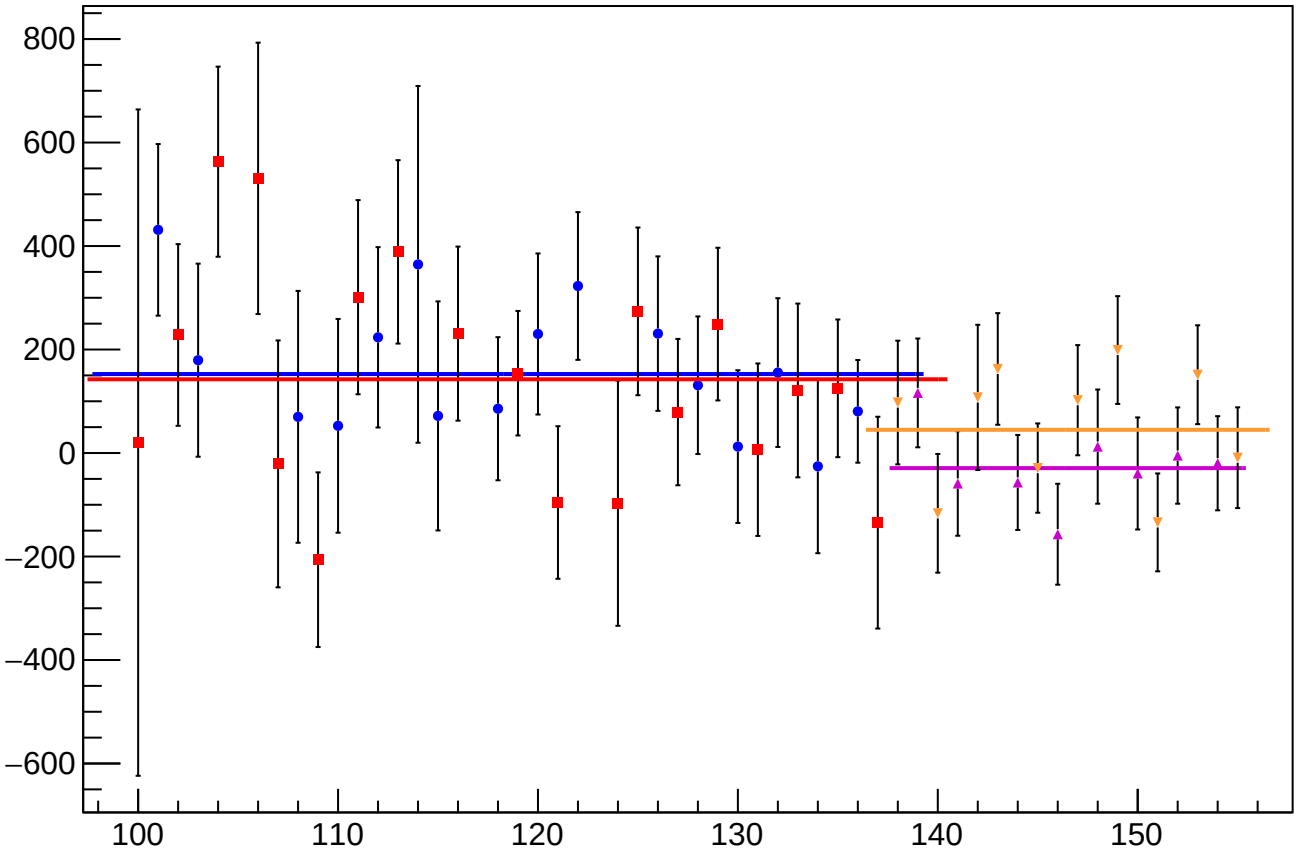
Left: 939.555+/-0.175 χ^2/NDF: 617372.6/17

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1093.351+/-0.214 χ^2/NDF:2049218.0/23

Out: 1088.071+/-0.206 χ^2/NDF:2423531.7/28

All: 1090.618+/-0.148 χ^2/NDF: 4473066.1/52


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
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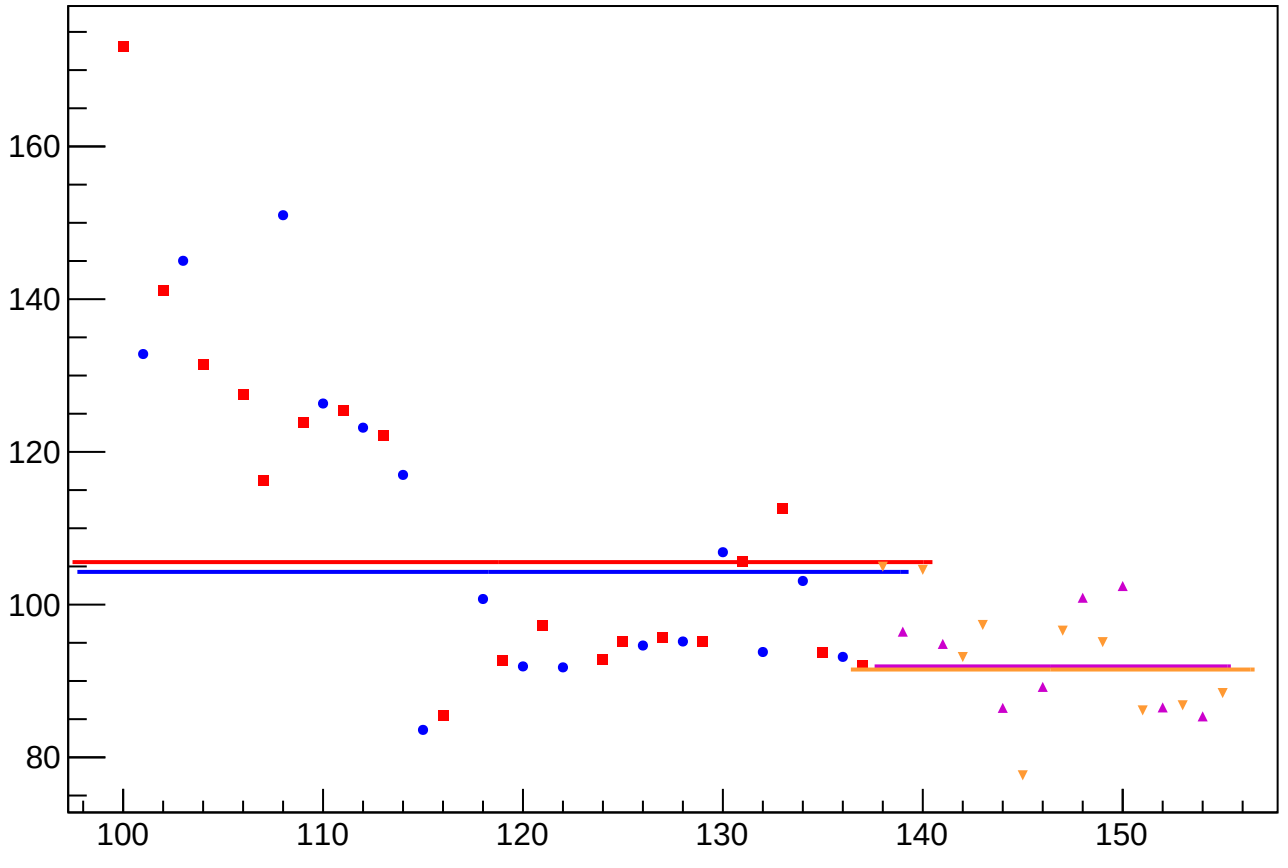
110
120
130
140
150
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: 44.869+/-32.889 χ²/NDF:11.9/9
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: -29.174+/-35.004 χ²/NDF:4.0/7
Left: 10.152+/-23.969 χ²/NDF: 18.3/17
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 50.917+/-26.182 χ²/NDF:24.6/23
Out: 85.032+/-25.233 χ²/NDF:38.4/28
All: 68.604+/-18.169 χ²/NDF: 63.9/52



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 91.500+/-0.023 χ^2/NDF:129178.7/9

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 91.910+/-0.025 χ^2/NDF:63175.8/7

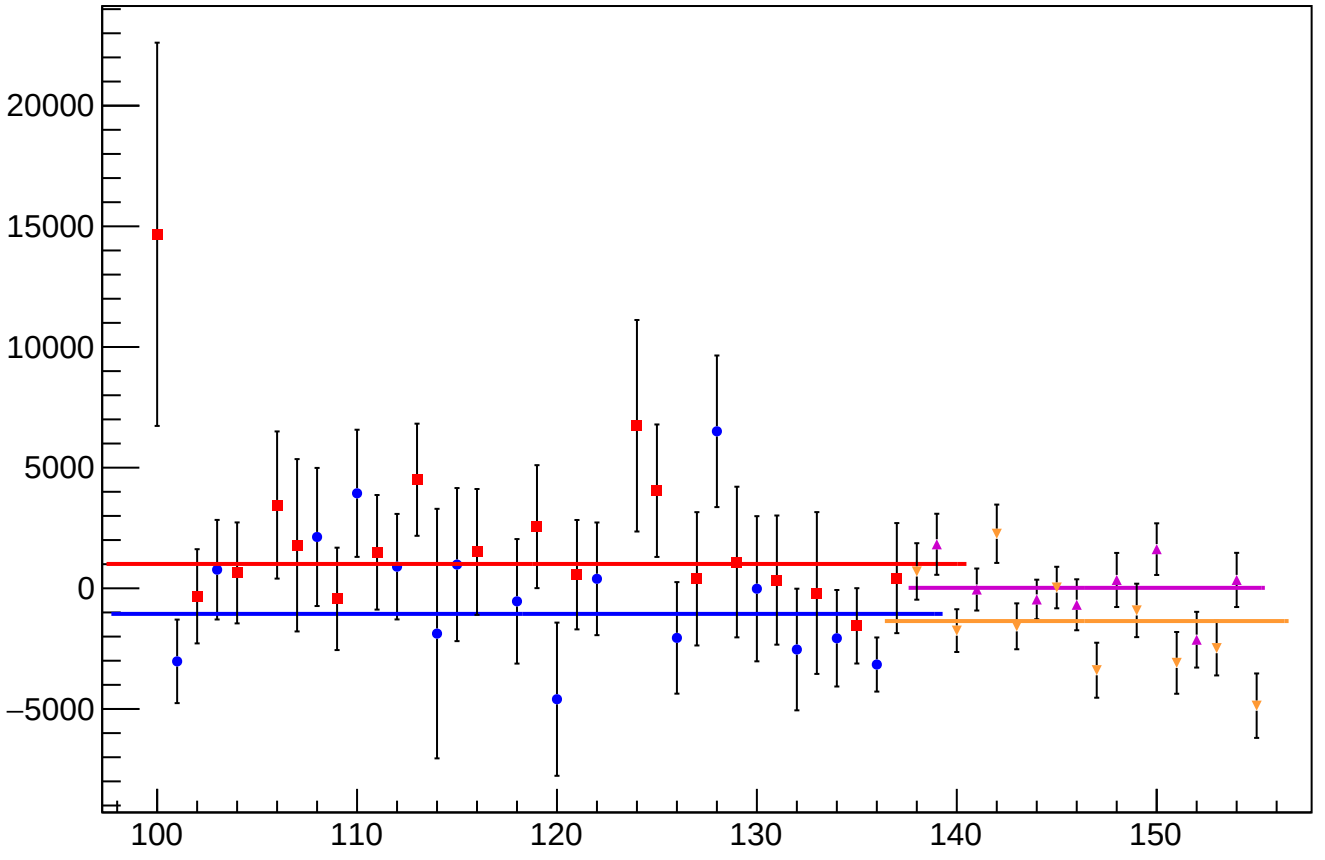
Left: 91.692+/-0.017 χ^2/NDF: 192500.3/17

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 97.362+/-0.019 χ^2/NDF:551626.4/23

Out: 97.288+/-0.018 χ^2/NDF:624325.9/28

All: 97.324+/-0.013 χ^2/NDF: 1175960.8/52



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1356.916+/-339.349 χ^2/NDF:28.0/9

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 19.504+/-364.140 χ^2/NDF:8.7/7

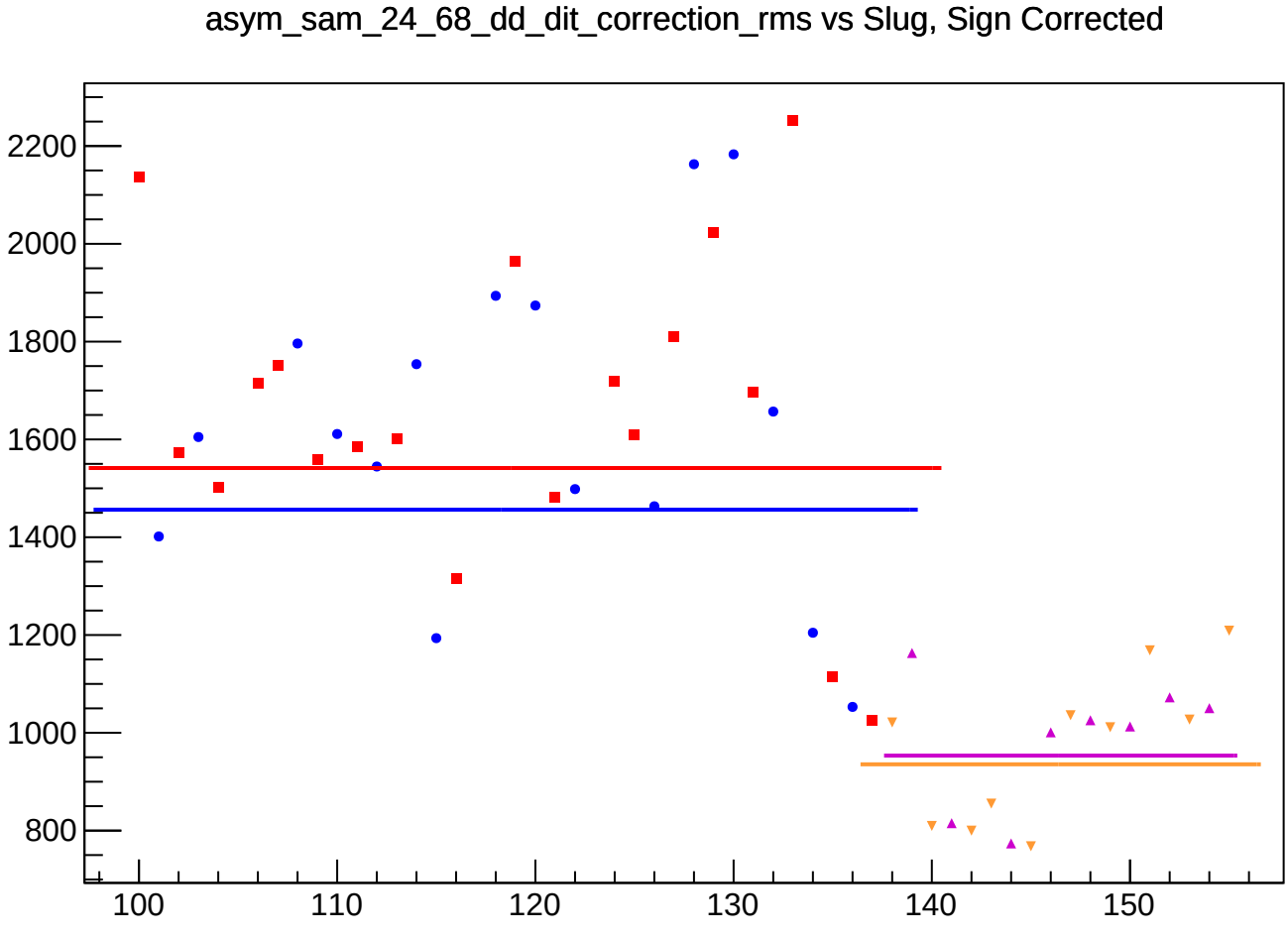
Left: -717.151+/-248.258 χ^2/NDF: 44.3/17

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -303.007+/-304.893 χ^2/NDF:31.4/23

Out: -745.660+/-292.262 χ^2/NDF:53.8/28

All: -533.692+/-210.984 χ^2/NDF: 86.3/52



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 935.582+/-0.240 χ^2/NDF:354671.0/9

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 953.420+/-0.257 χ^2/NDF:256246.9/7

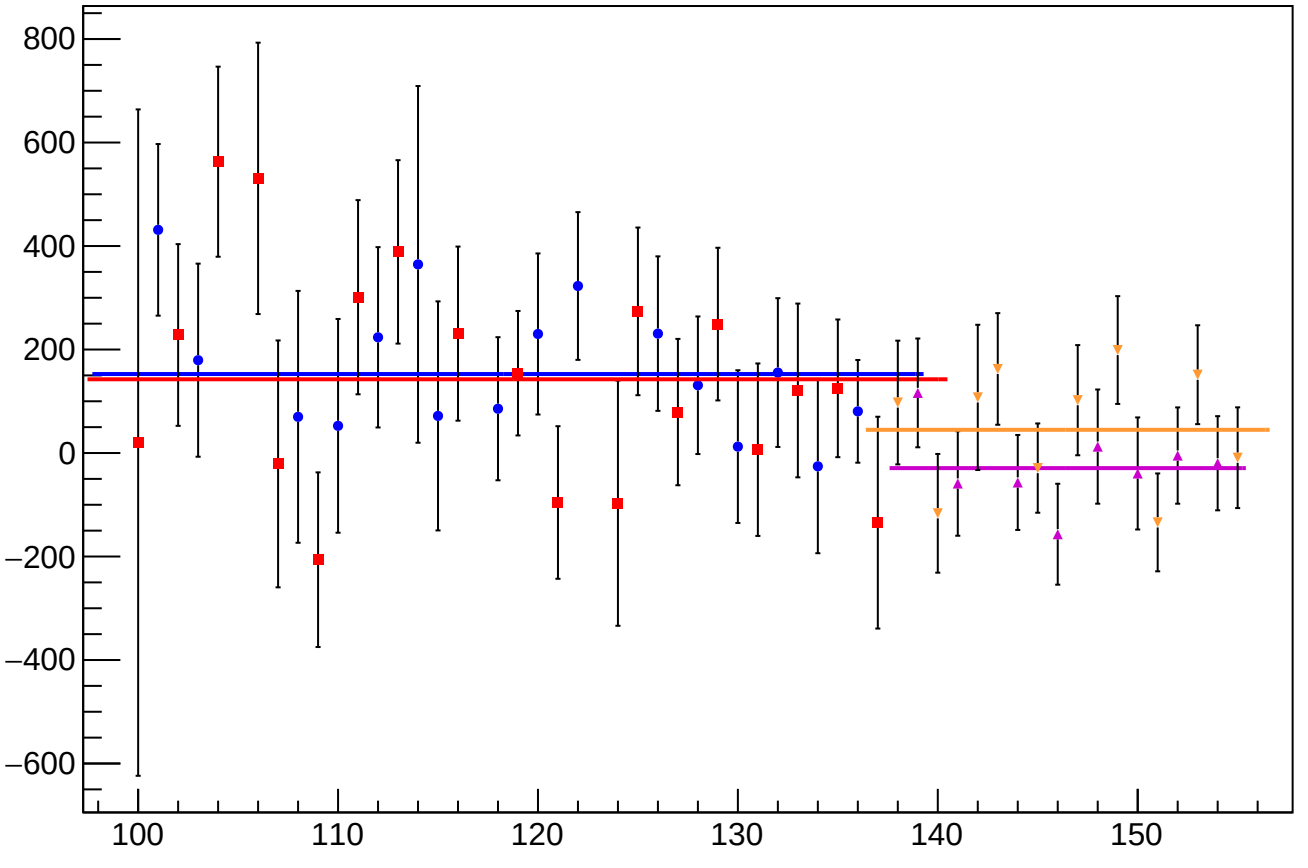
Left: 943.873+/-0.176 χ^2/NDF: 613486.7/17

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1103.750+/-0.216 χ^2/NDF:2081320.0/23

Out: 1092.072+/-0.207 χ^2/NDF:2520862.5/28

All: 1097.664+/-0.149 χ^2/NDF: 4603711.6/52



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 44.868+/-32.889 χ^2/NDF:11.9/9

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -29.173+/-35.004 χ^2/NDF:4.0/7

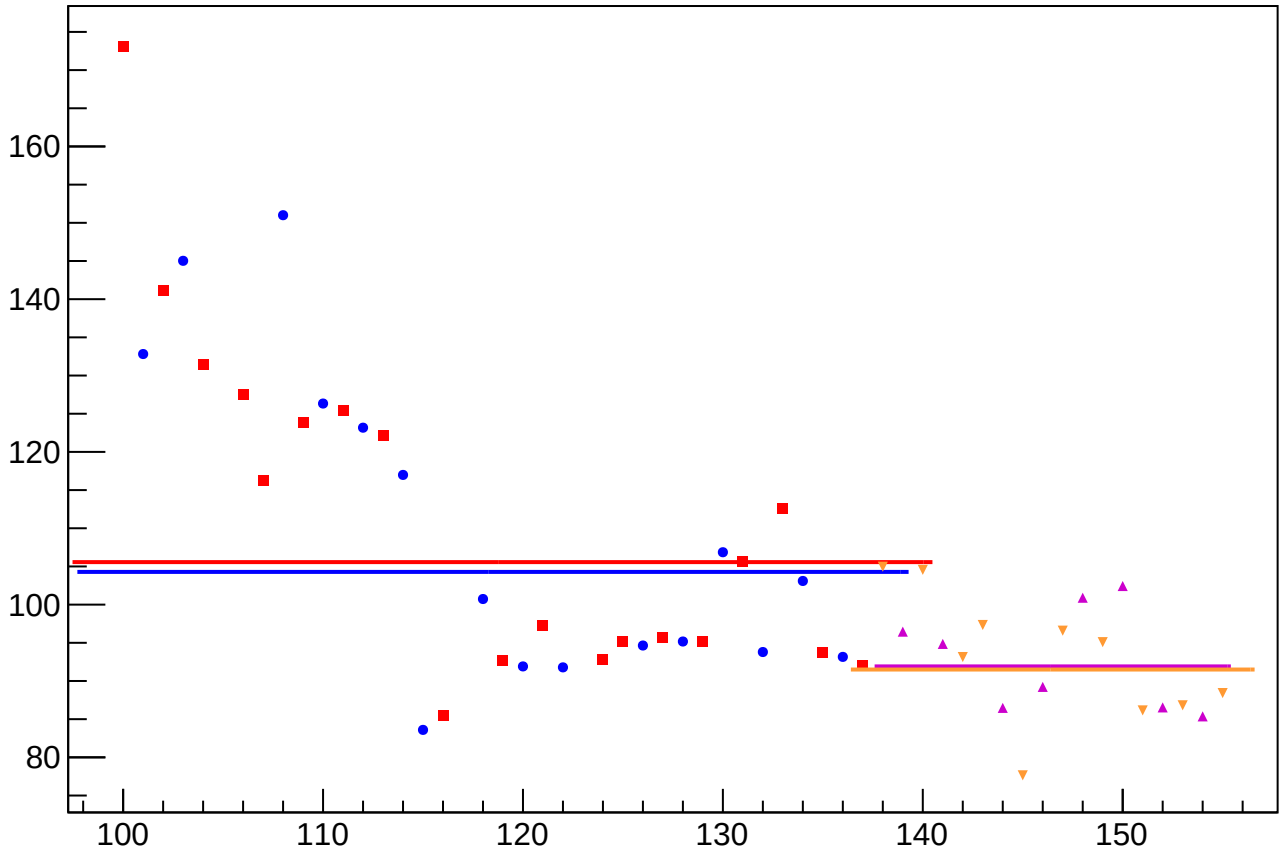
Left: 10.151+/-23.969 χ^2/NDF: 18.3/17

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 50.919+/-26.182 χ^2/NDF:24.6/23

Out: 85.031+/-25.233 χ^2/NDF:38.4/28

All: 68.604+/-18.168 χ^2/NDF: 63.9/52



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 91.500+/-0.023 χ^2/NDF:129175.7/9

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 91.910+/-0.025 χ^2/NDF:63173.3/7

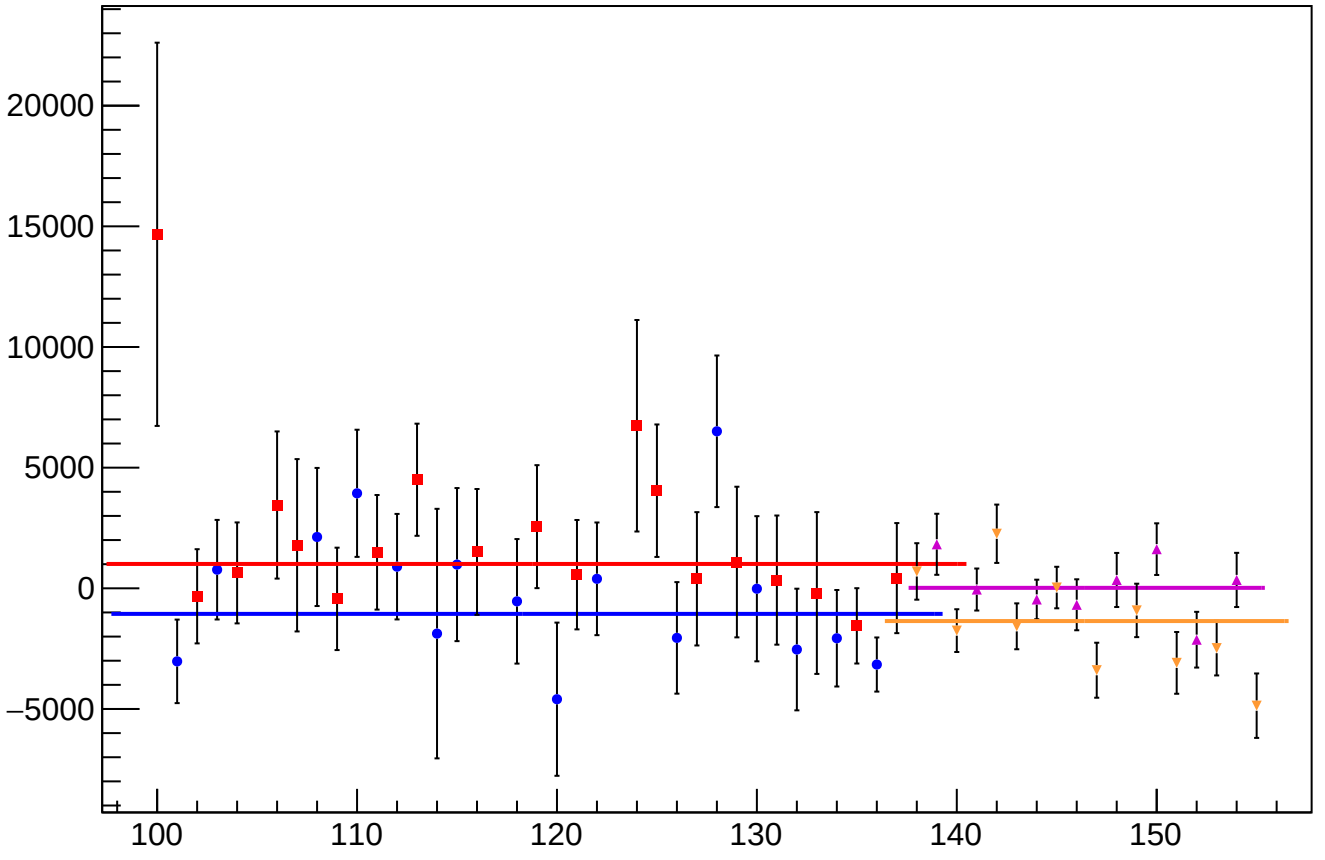
Left: 91.692+/-0.017 χ^2/NDF: 192494.7/17

Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 97.362+/-0.019 χ^2/NDF:551608.1/23

Out: 97.287+/-0.018 χ^2/NDF:624304.5/28

All: 97.323+/-0.013 χ^2/NDF: 1175921.1/52



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1356.916+/-339.349 χ^2/NDF:28.0/9

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 19.505+/-364.139 χ^2/NDF:8.7/7

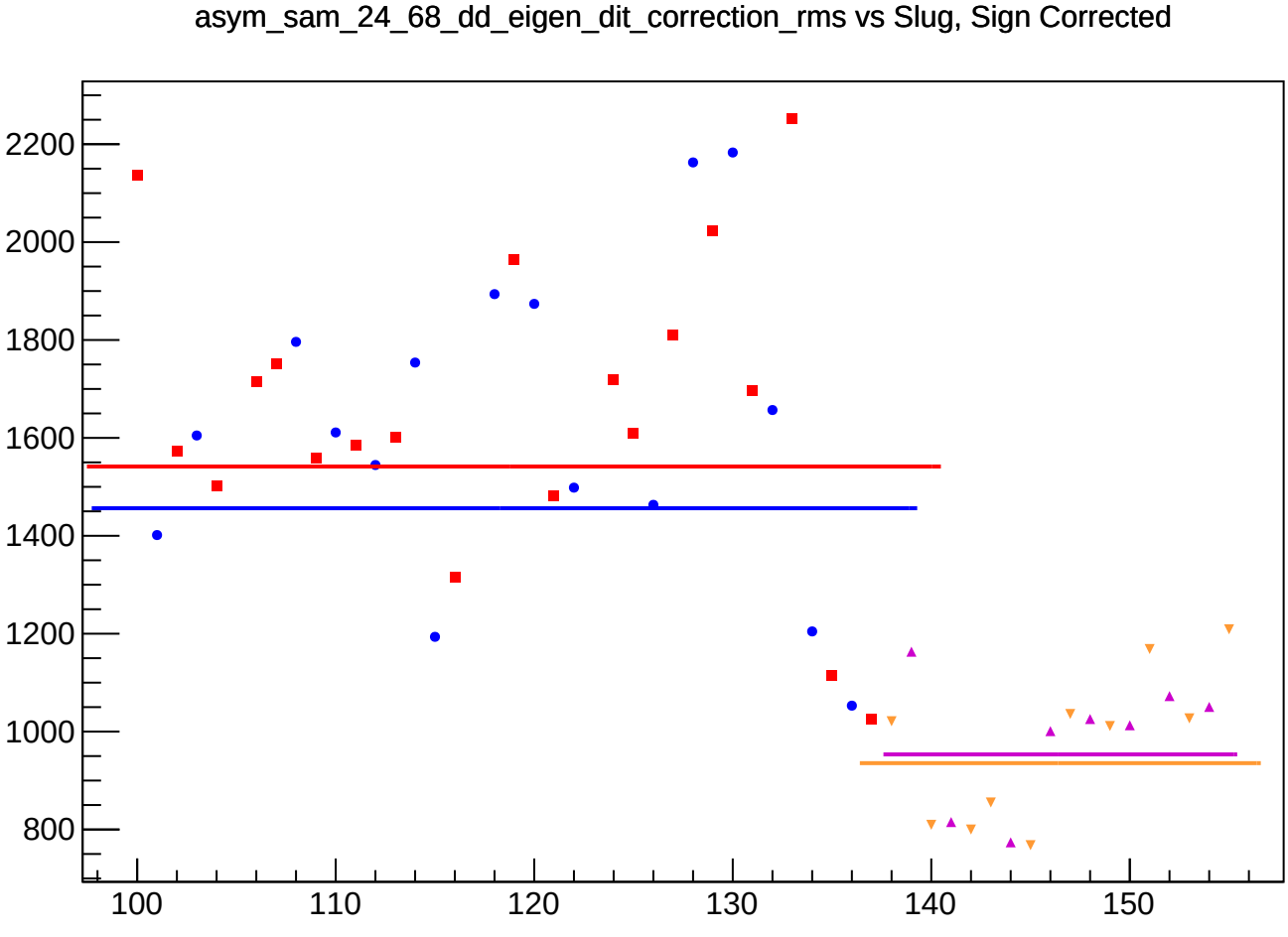
Left: -717.150+/-248.258 χ^2/NDF: 44.3/17

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -303.005+/-304.892 χ^2/NDF:31.4/23

Out: -745.658+/-292.262 χ^2/NDF:53.8/28

All: -533.690+/-210.984 χ^2/NDF: 86.3/52



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 935.581+/-0.240 χ^2/NDF:354673.4/9

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 953.419+/-0.257 χ^2/NDF:256247.2/7

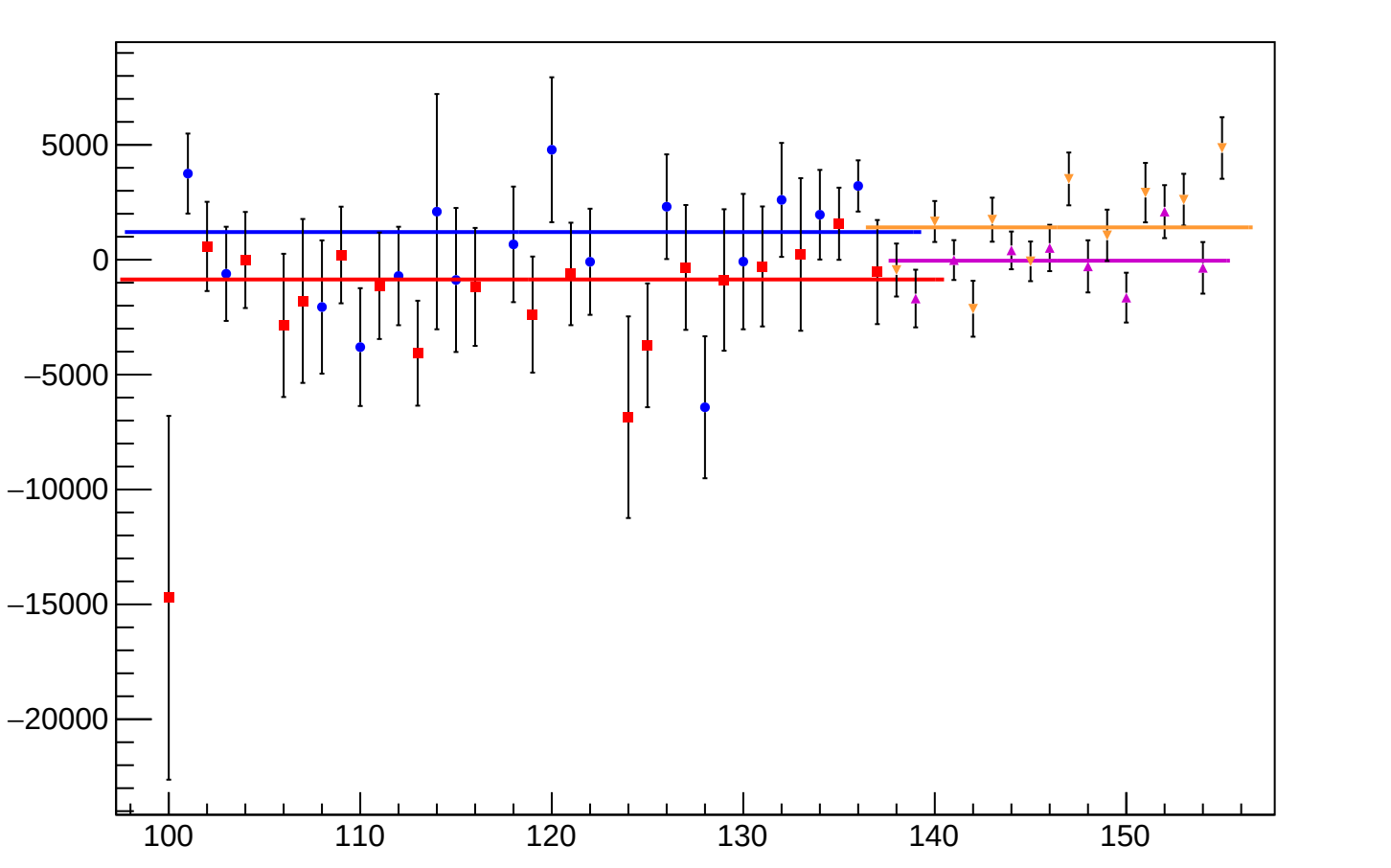
Left: 943.872+/-0.176 χ^2/NDF: 613489.4/17

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1103.749+/-0.216 χ^2/NDF:2081312.3/23

Out: 1092.071+/-0.207 χ^2/NDF:2520859.7/28

All: 1097.663+/-0.149 χ^2/NDF: 4603701.1/52



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1408.805+/-340.672 χ^2/NDF:26.8/9

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -42.295+/-362.672 χ^2/NDF:8.1/7

Left: 728.600+/-248.305 χ^2/NDF: 43.4/17

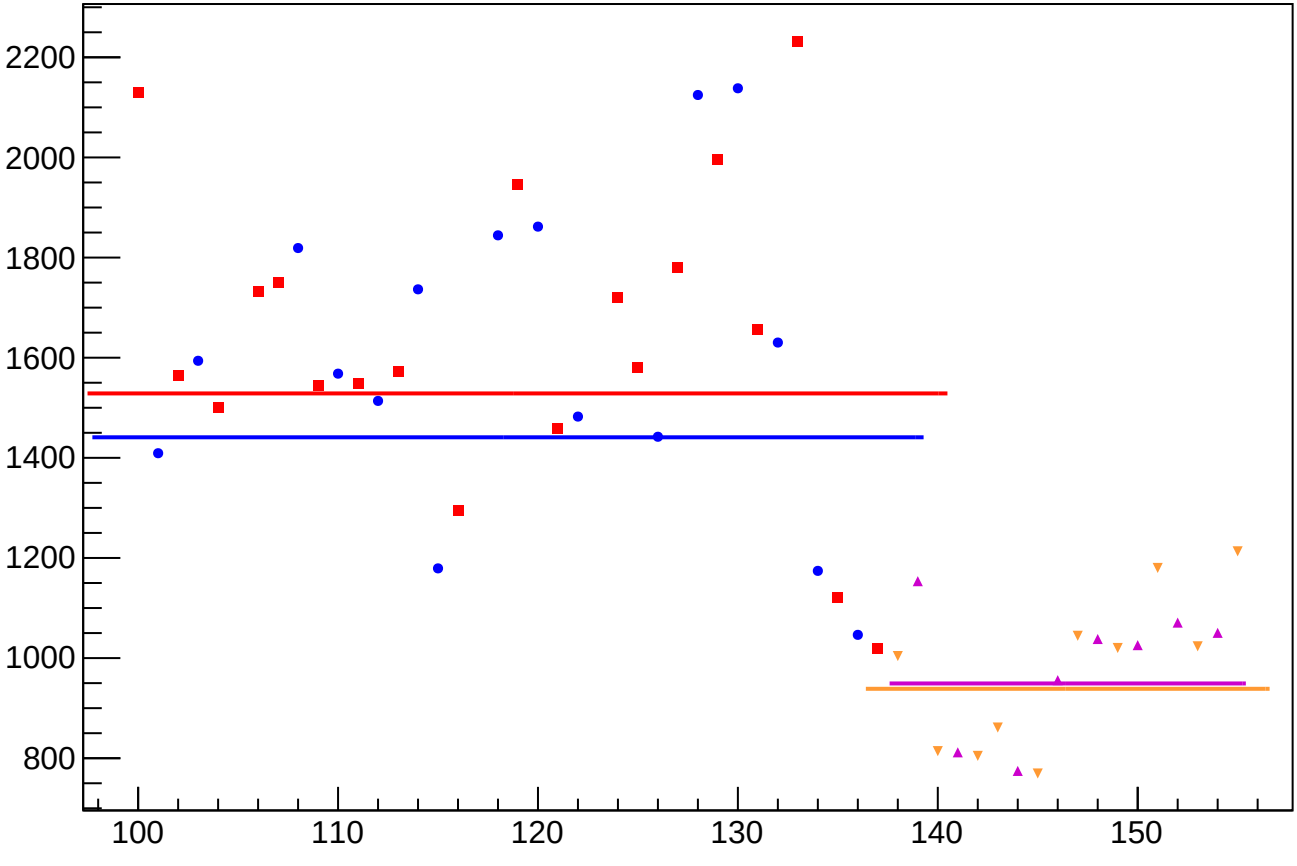
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 333.948+/-303.060 χ^2/NDF:32.8/23

Out: 812.458+/-292.477 χ^2/NDF:51.0/28

All: 581.704+/-210.454 χ^2/NDF: 85.0/52

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 938.681+/-0.241 χ^2/NDF:352117.4/9

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 949.351+/-0.256 χ^2/NDF:254583.6/7

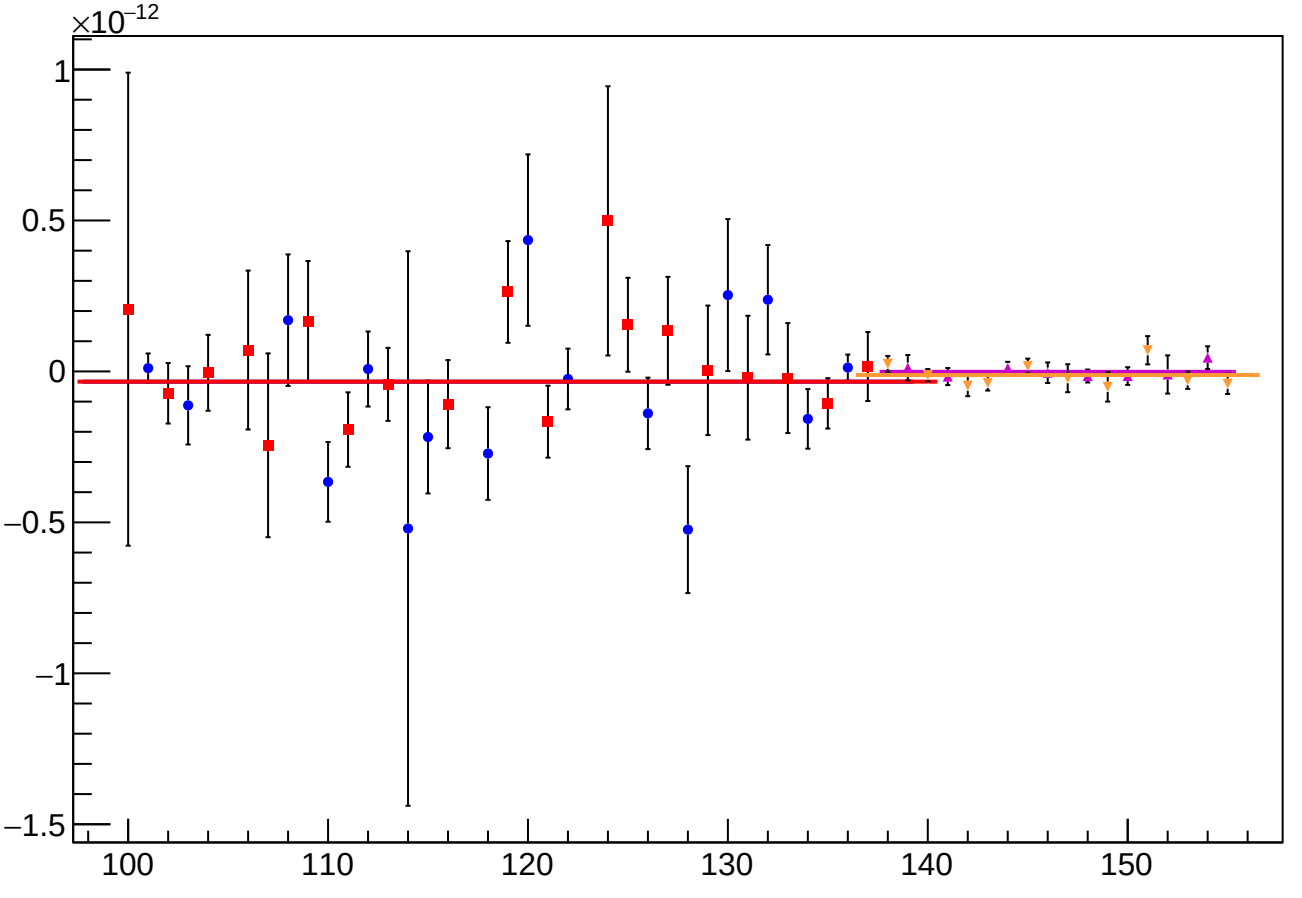
Left: 943.683+/-0.176 χ^2/NDF: 607620.6/17

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1097.700+/-0.214 χ^2/NDF:2034334.5/23

Out: 1093.801+/-0.207 χ^2/NDF:2430917.7/28

All: 1095.681+/-0.149 χ^2/NDF: 4465423.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/7

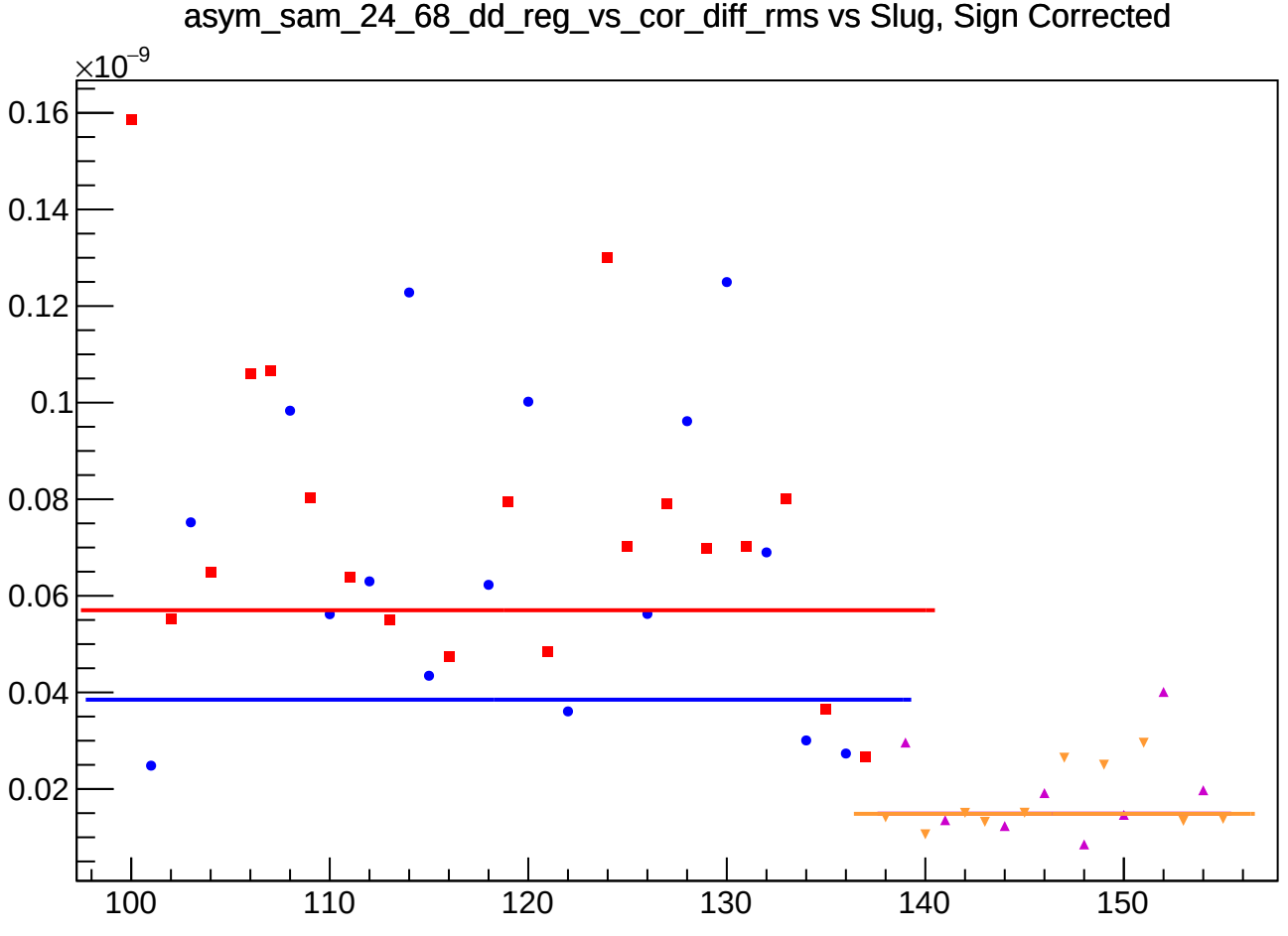
Left: -0.000+/-0.000 χ^2/NDF: 14.0/17

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:31.8/23

Out: -0.000+/-0.000 χ^2/NDF:23.8/28

All: -0.000+/-0.000 χ^2/NDF: 56.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:515158.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:838672.3/7

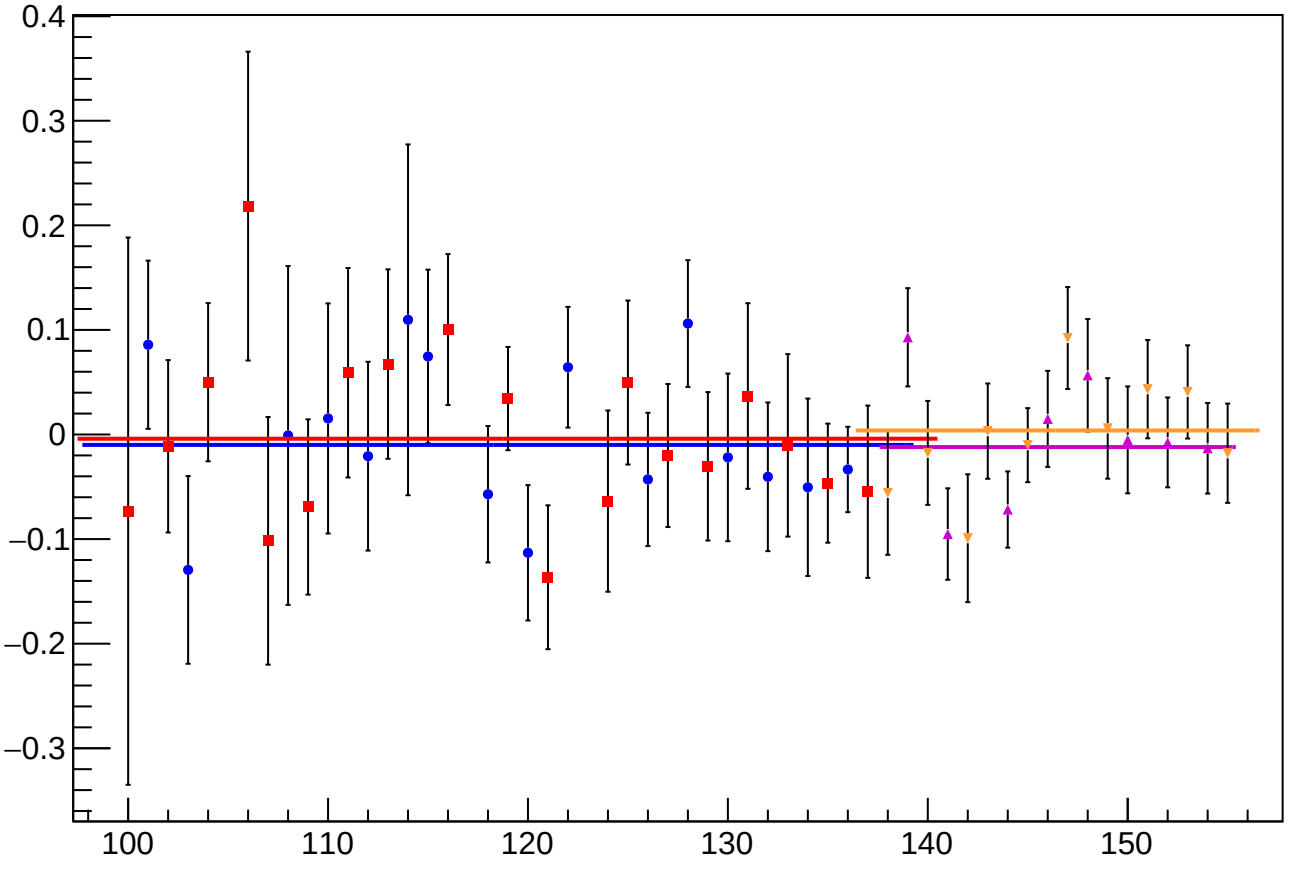
Left: 0.000+/-0.000 χ^2/NDF: 1353843.4/17

Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:3736300.5/23

Out: 0.000+/-0.000 χ^2/NDF:4065720.9/28

All: 0.000+/-0.000 χ^2/NDF: 7804708.7/52



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.015 χ^2/NDF:9.1/9

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.016 χ^2/NDF:13.3/7

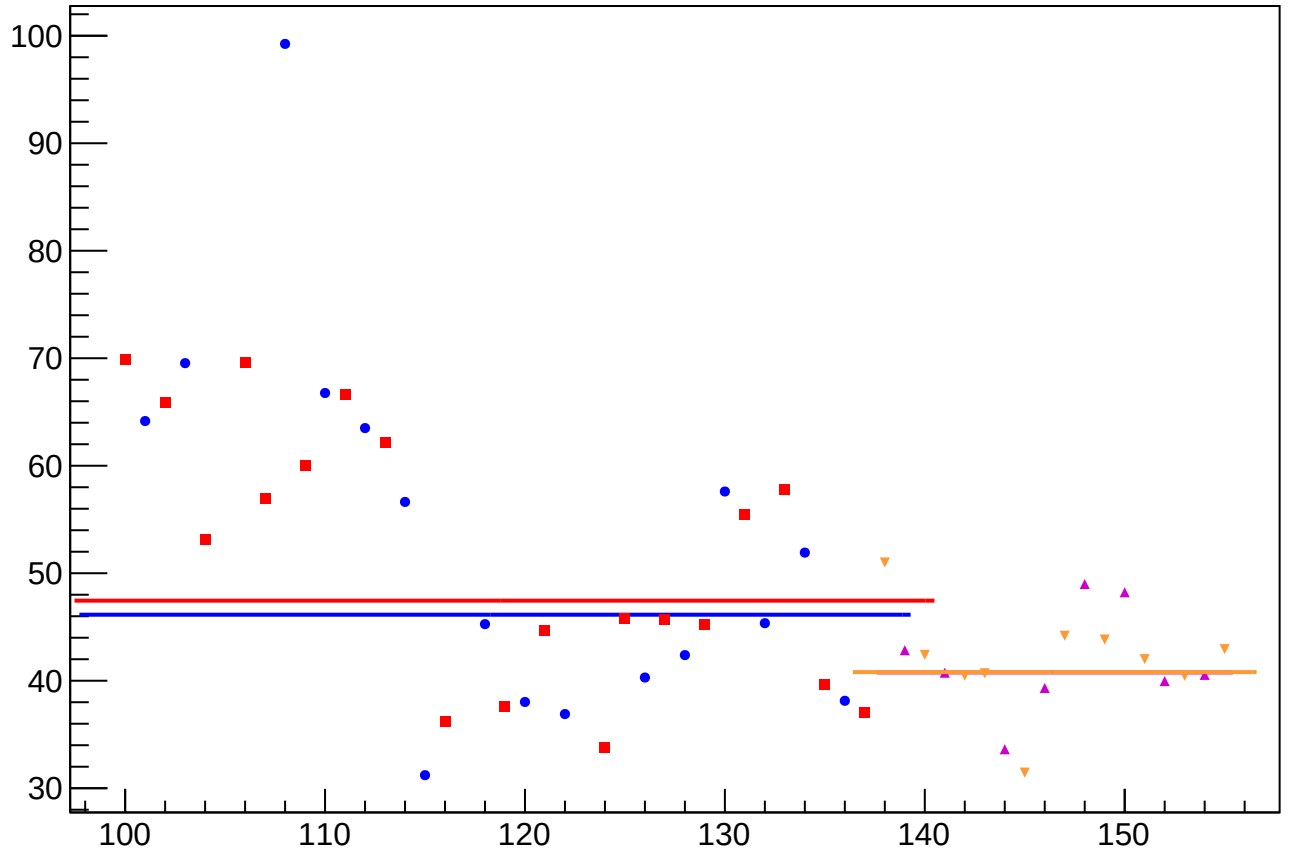
Left: -0.004+/-0.011 χ^2/NDF: 22.9/17

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/23

Out: 0.001+/-0.012 χ^2/NDF:23.1/28

All: -0.005+/-0.008 χ^2/NDF: 51.1/52



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.805+/-0.011 χ^2/NDF:224437.1/9

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.772+/-0.011 χ^2/NDF:172884.6/7

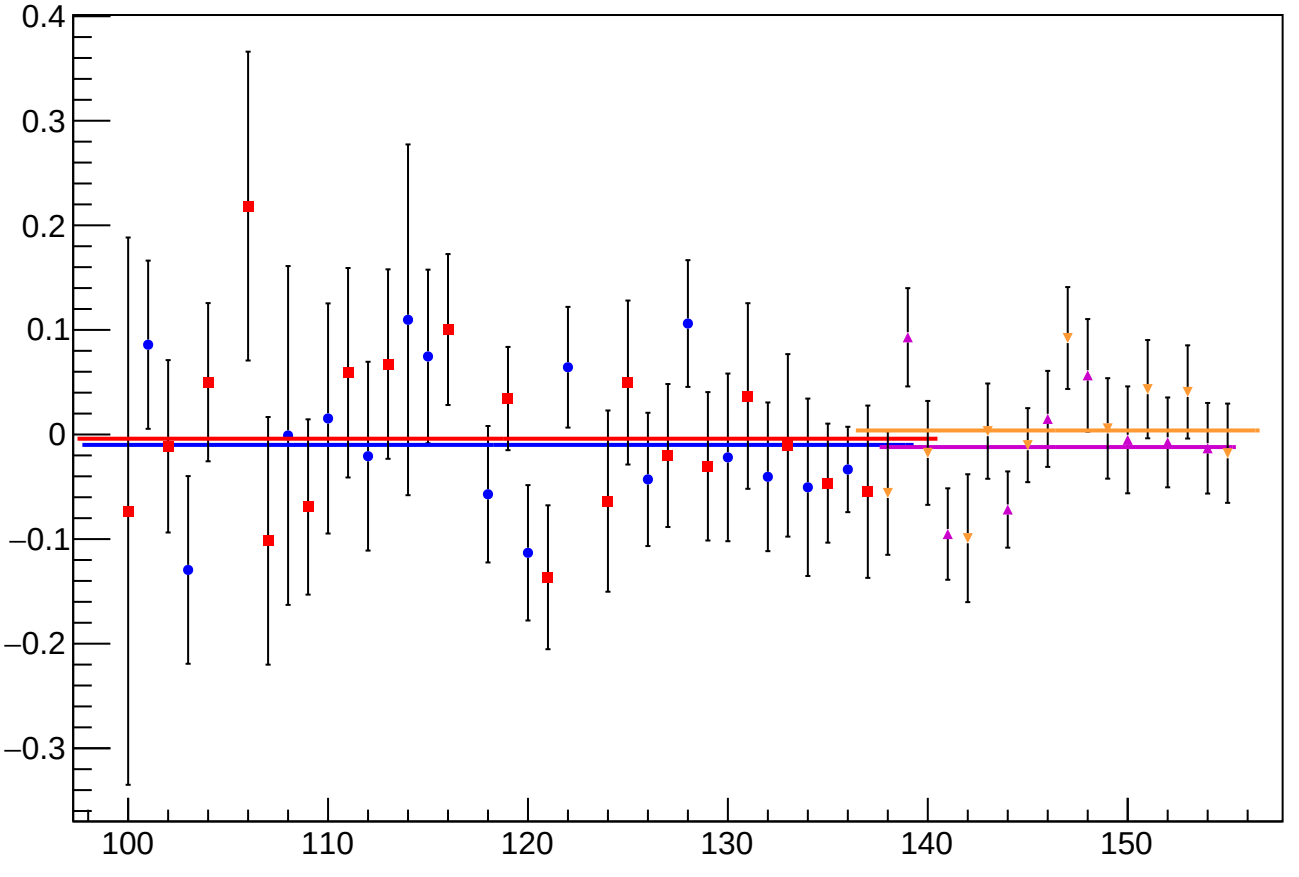
Left: 40.790+/-0.008 χ^2/NDF: 397326.2/17

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.109+/-0.008 χ^2/NDF:1176734.6/23

Out: 43.493+/-0.008 χ^2/NDF:1039753.1/28

All: 43.307+/-0.006 χ^2/NDF: 2217566.2/52



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.015 χ^2/NDF:9.1/9

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.016 χ^2/NDF:13.3/7

Left: -0.004+/-0.011 χ^2/NDF: 22.9/17

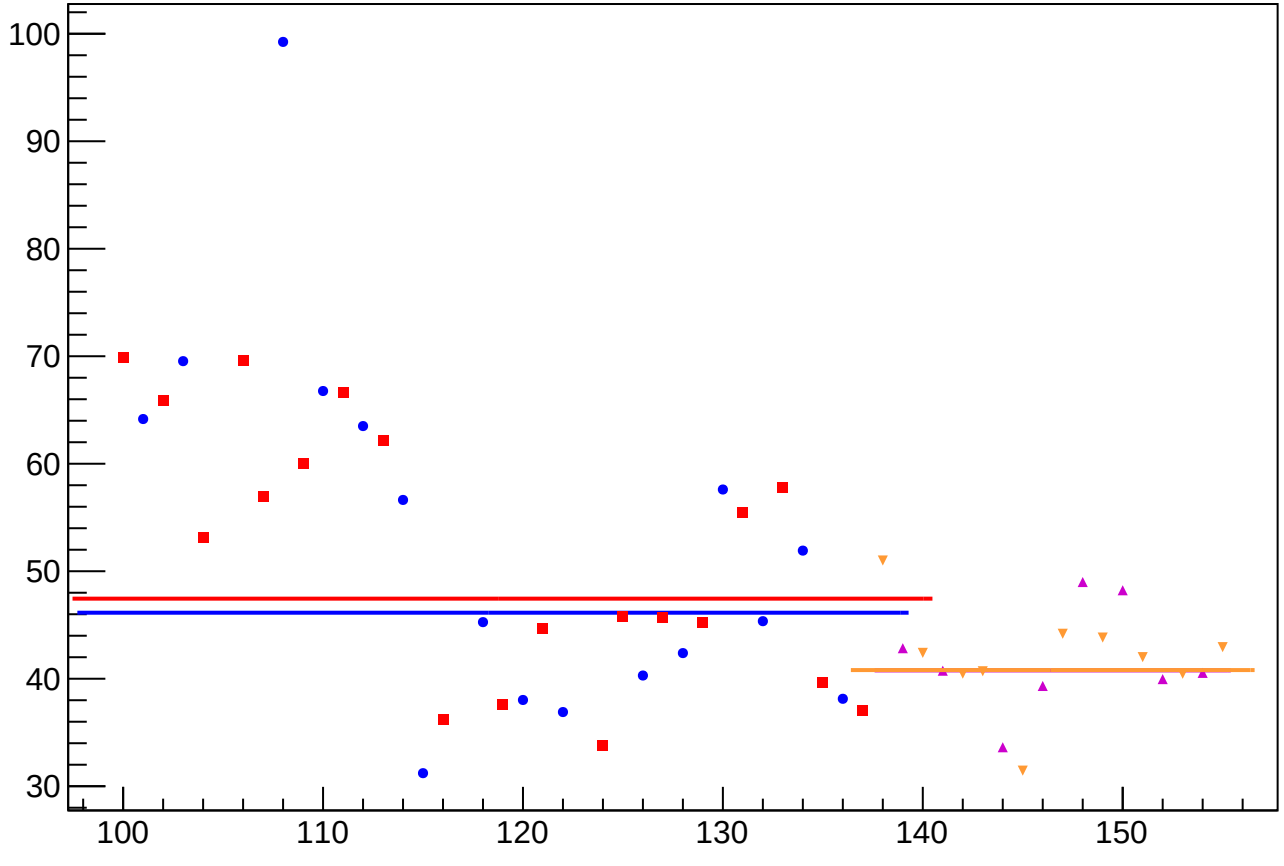
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/23

Out: 0.001+/-0.012 χ^2/NDF:23.1/28

All: -0.005+/-0.008 χ^2/NDF: 51.1/52

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.805+/-0.011 χ^2/NDF:224437.1/9

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.772+/-0.011 χ^2/NDF:172884.6/7

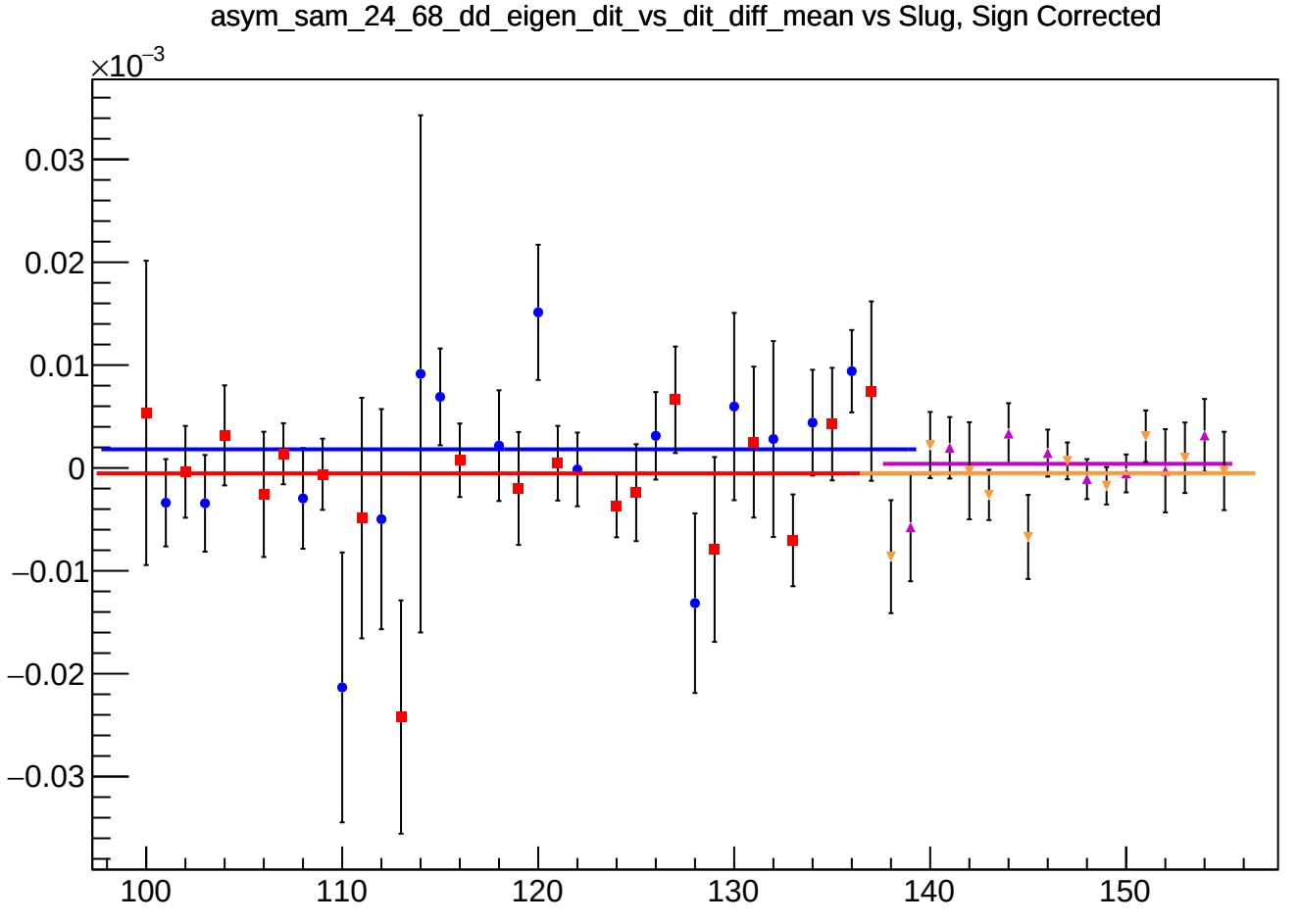
Left: 40.790+/-0.008 χ^2/NDF: 397326.2/17

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.109+/-0.008 χ^2/NDF:1176734.6/23

Out: 43.493+/-0.008 χ^2/NDF:1039753.1/28

All: 43.307+/-0.006 χ^2/NDF: 2217566.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/9

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:4.3/7

Left: -0.000+/-0.000 χ^2/NDF: 13.9/17

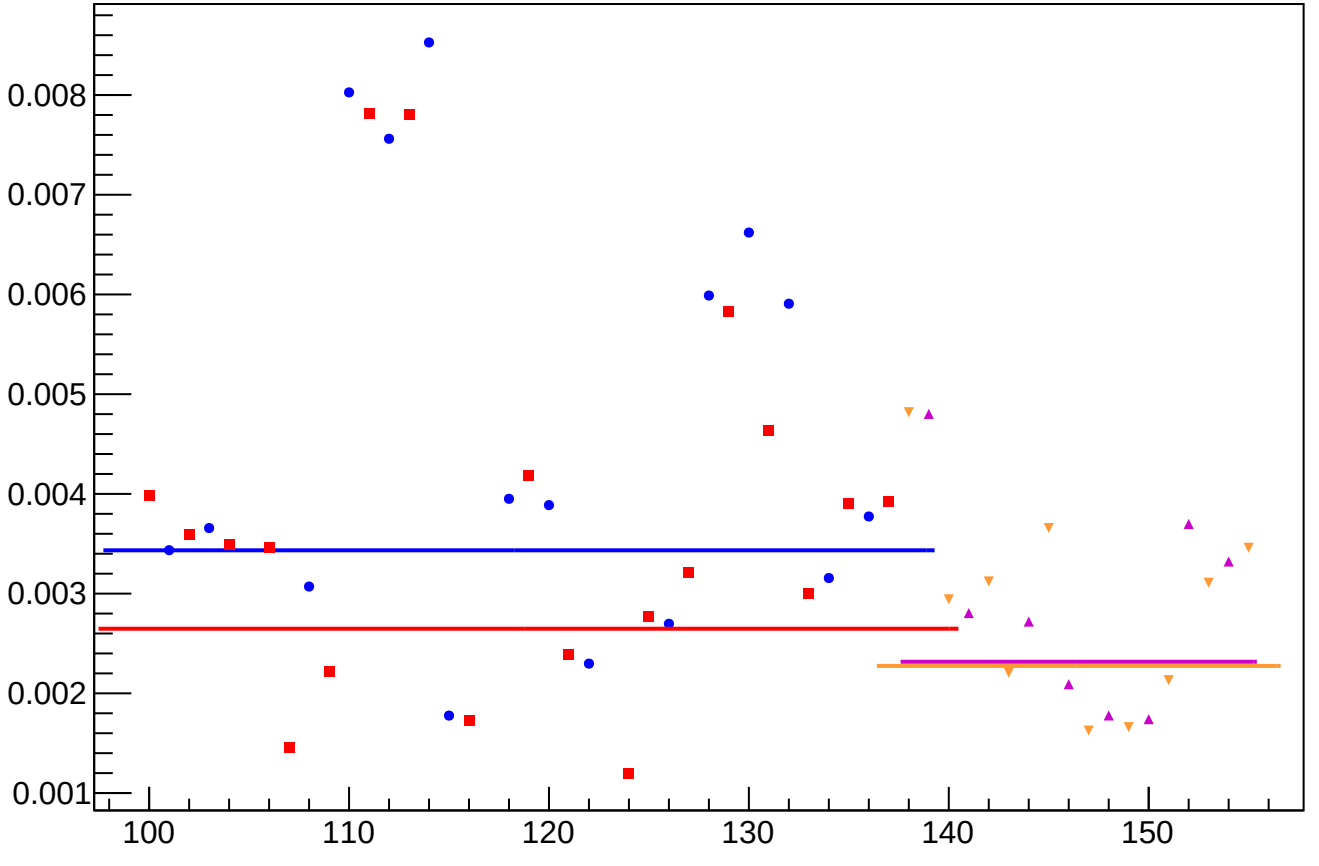
Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:25.0/23

Out: -0.000+/-0.000 χ^2/NDF:22.9/28

All: 0.000+/-0.000 χ^2/NDF: 49.7/52

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1619494.9/9

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1300209.9/7

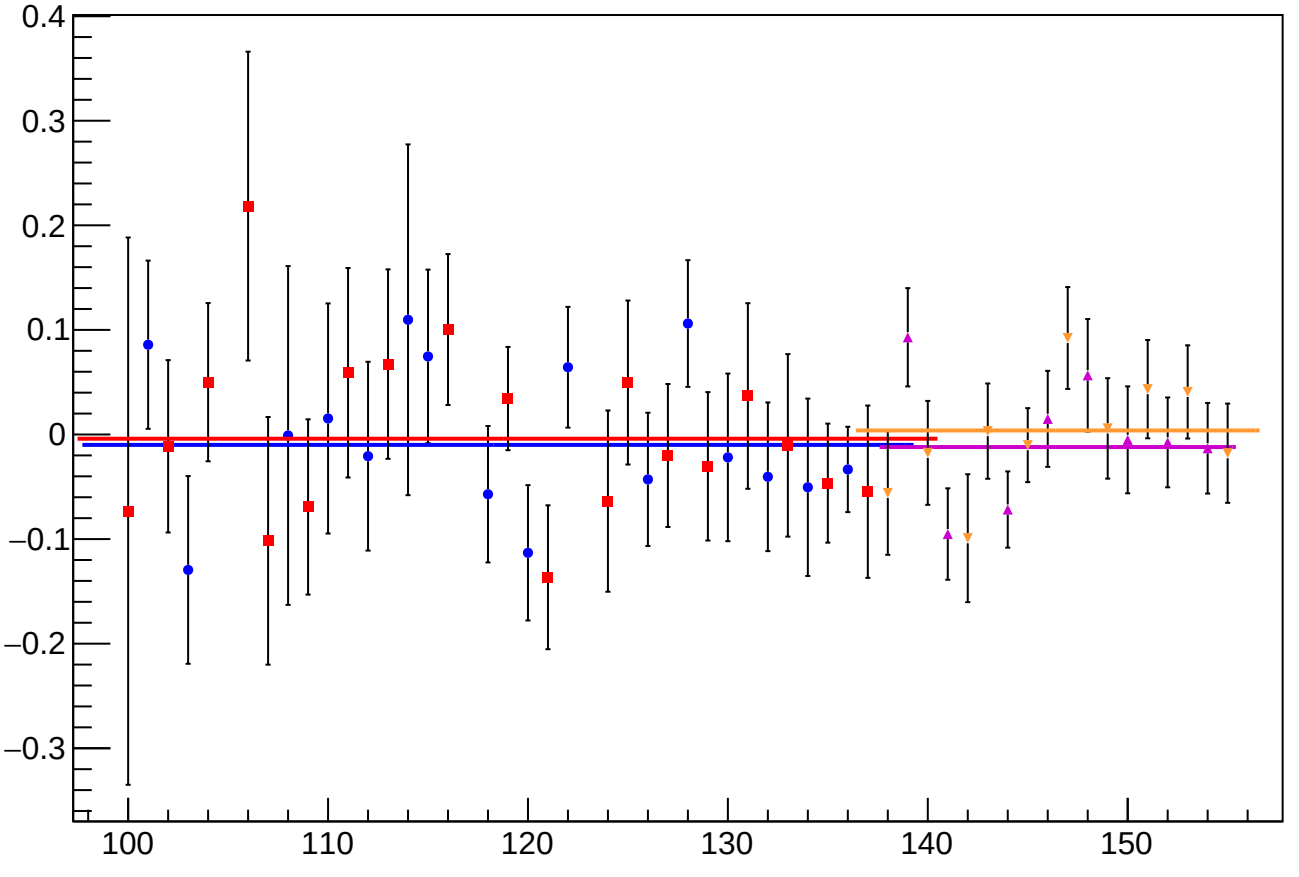
Left: 0.002+/-0.000 χ^2/NDF: 2921877.1/17

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:3957405.8/23

Out: 0.002+/-0.000 χ^2/NDF:4459987.4/28

All: 0.003+/-0.000 χ^2/NDF: 8535362.6/52



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.015 χ^2/NDF:9.1/9

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.016 χ^2/NDF:13.3/7

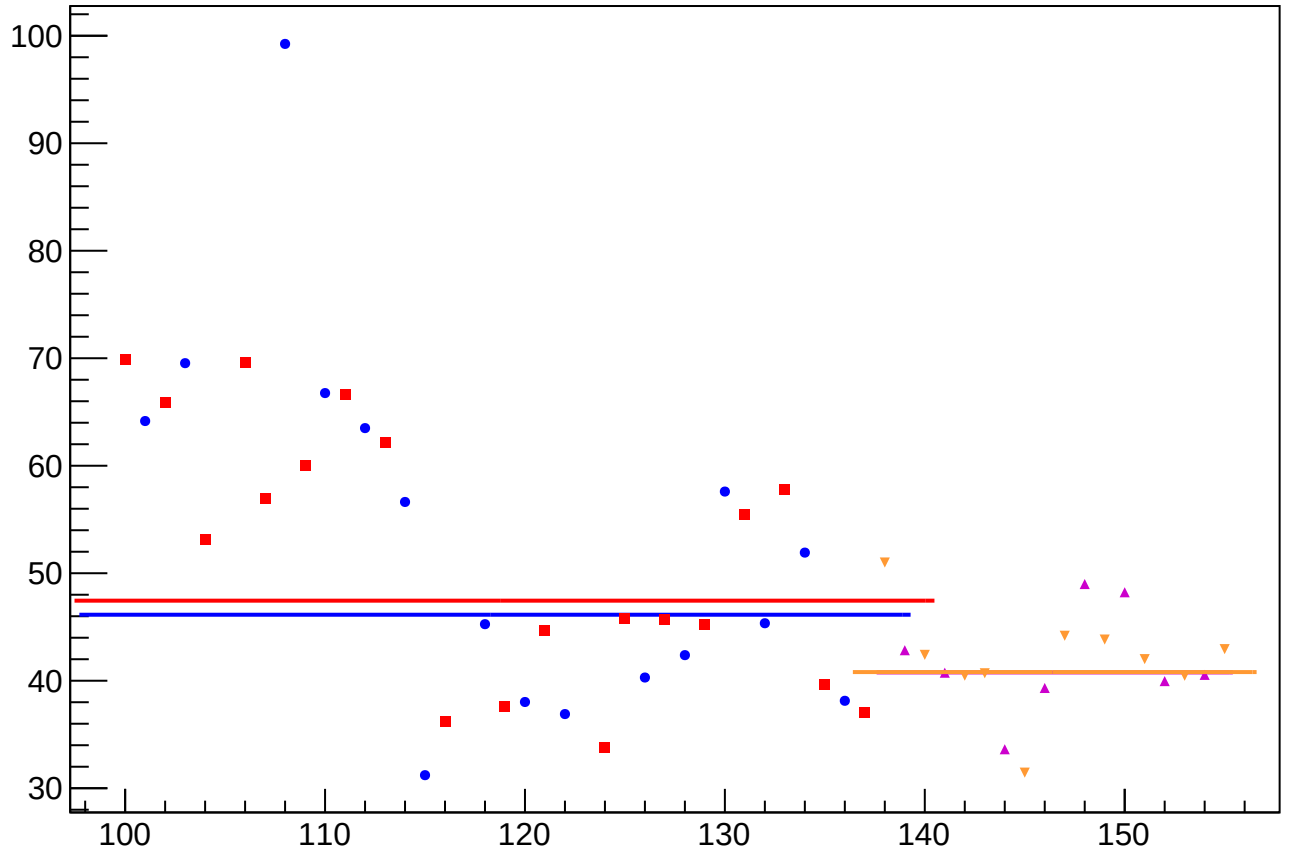
Left: -0.004+/-0.011 χ^2/NDF: 22.9/17

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/23

Out: 0.001+/-0.012 χ^2/NDF:23.1/28

All: -0.005+/-0.008 χ^2/NDF: 51.1/52



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 40.805+/-0.011 χ^2/NDF:224439.1/9

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.772+/-0.011 χ^2/NDF:172887.3/7

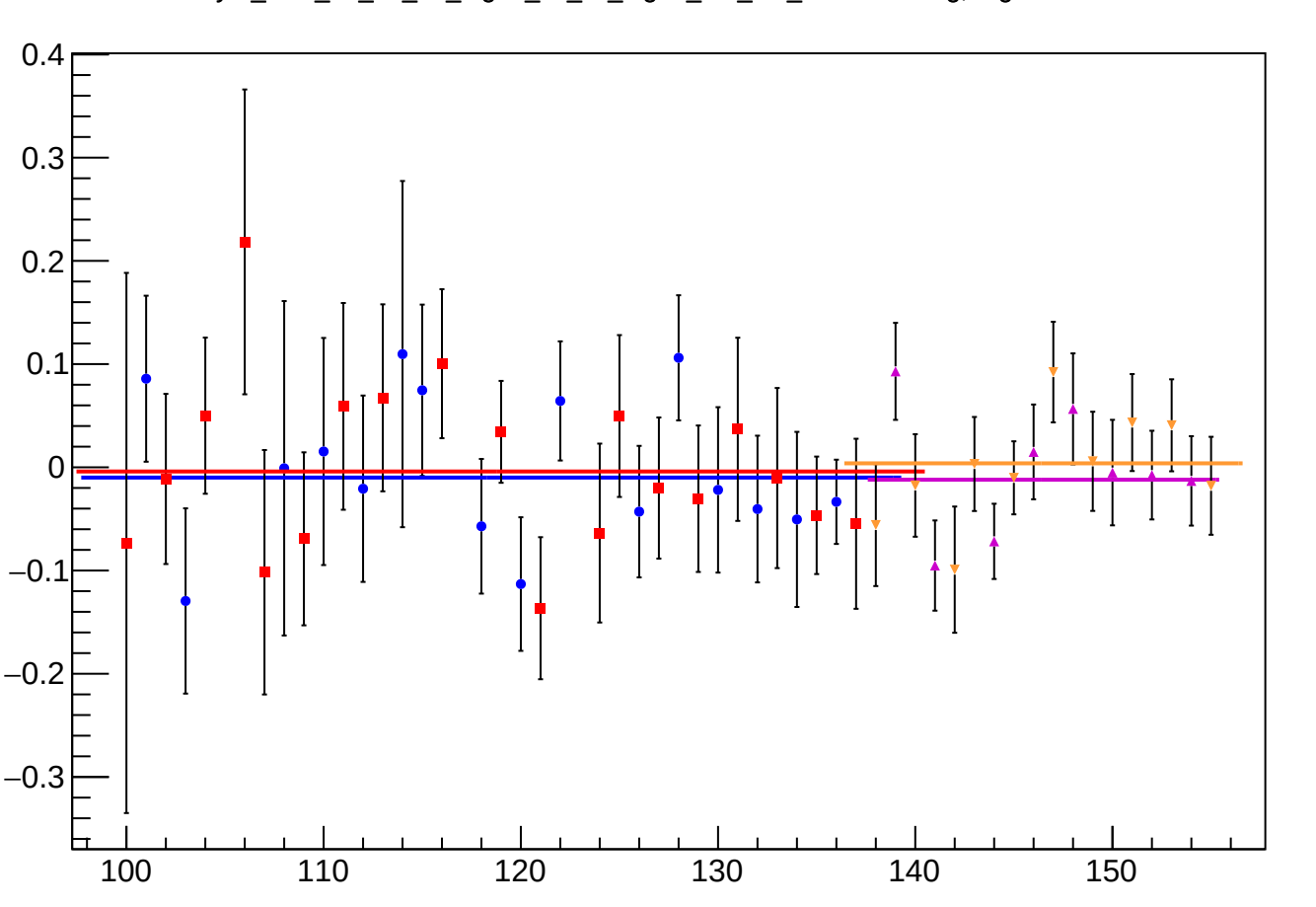
Left: 40.790+/-0.008 χ^2/NDF: 397330.9/17

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.109+/-0.008 χ^2/NDF:1176649.7/23

Out: 43.493+/-0.008 χ^2/NDF:1039680.8/28

All: 43.307+/-0.006 χ^2/NDF: 2217410.9/52



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.004+/-0.015 χ^2/NDF:9.1/9

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.016 χ^2/NDF:13.3/7

Left: -0.004+/-0.011 χ^2/NDF: 22.9/17

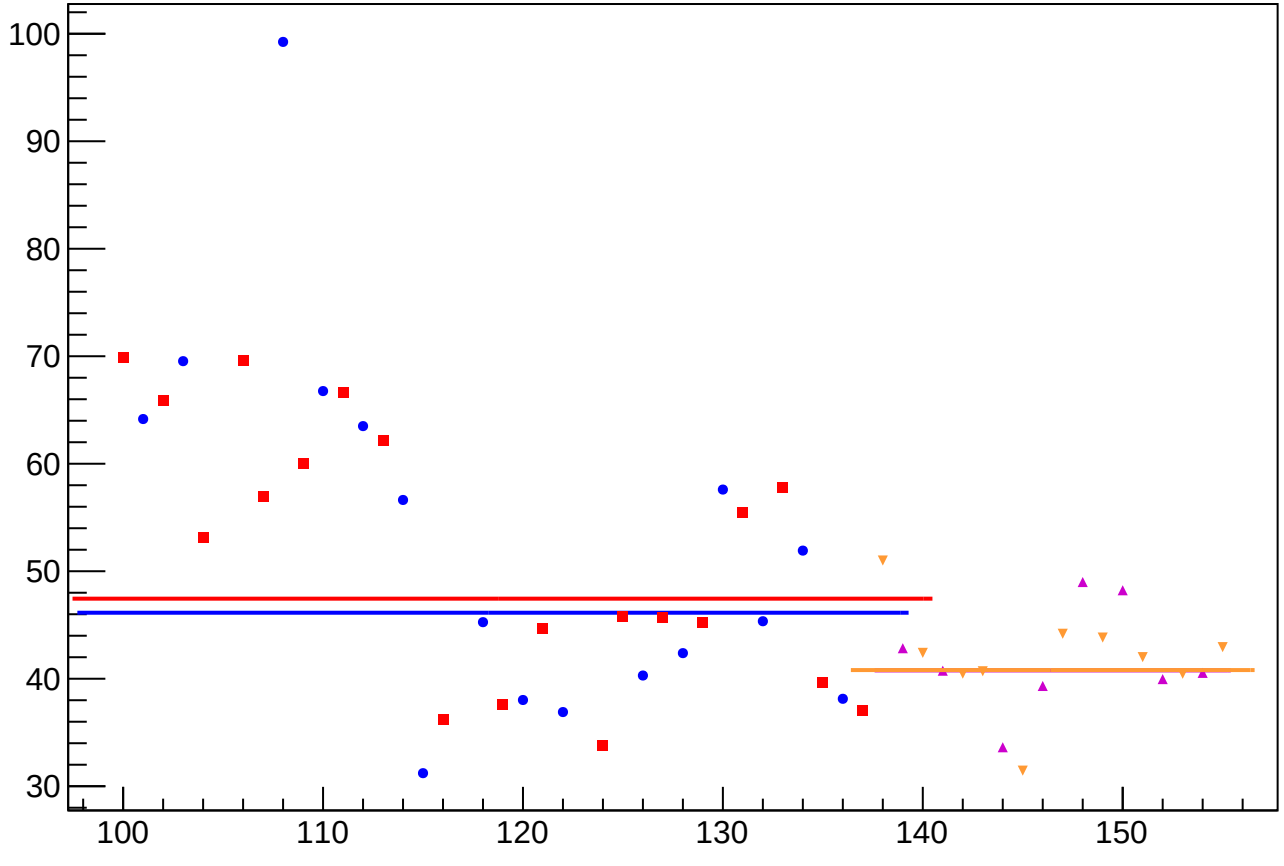
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/23

Out: 0.001+/-0.012 χ^2/NDF:23.1/28

All: -0.005+/-0.008 χ^2/NDF: 51.1/52

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: 40.805+/-0.011 χ^2/NDF:224439.1/9

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.772+/-0.011 χ^2/NDF:172887.3/7

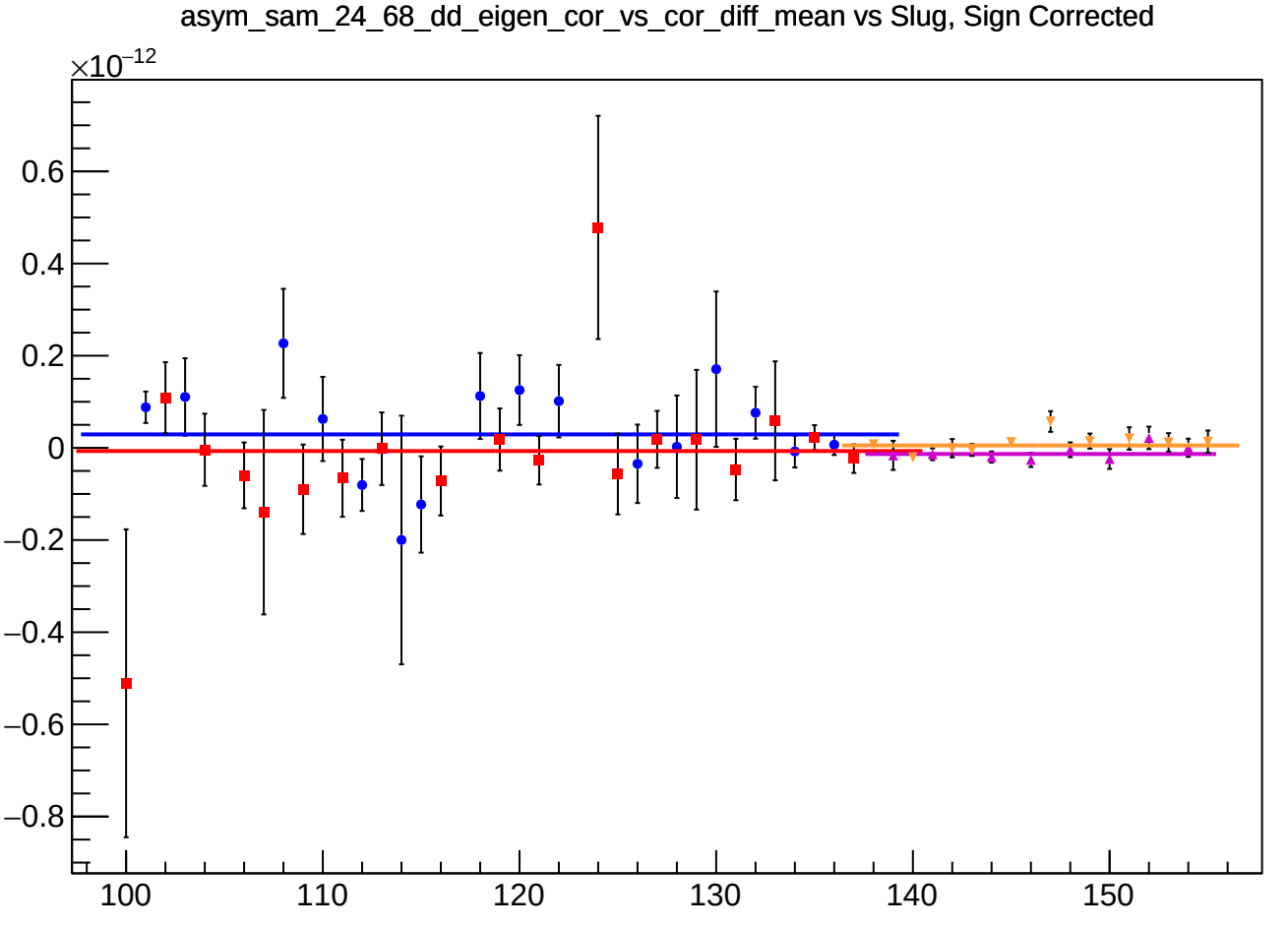
Left: 40.790+/-0.008 χ^2/NDF: 397330.9/17

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.109+/-0.008 χ^2/NDF:1176649.7/23

Out: 43.493+/-0.008 χ^2/NDF:1039680.8/28

All: 43.307+/-0.006 χ^2/NDF: 2217410.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:4.1/7

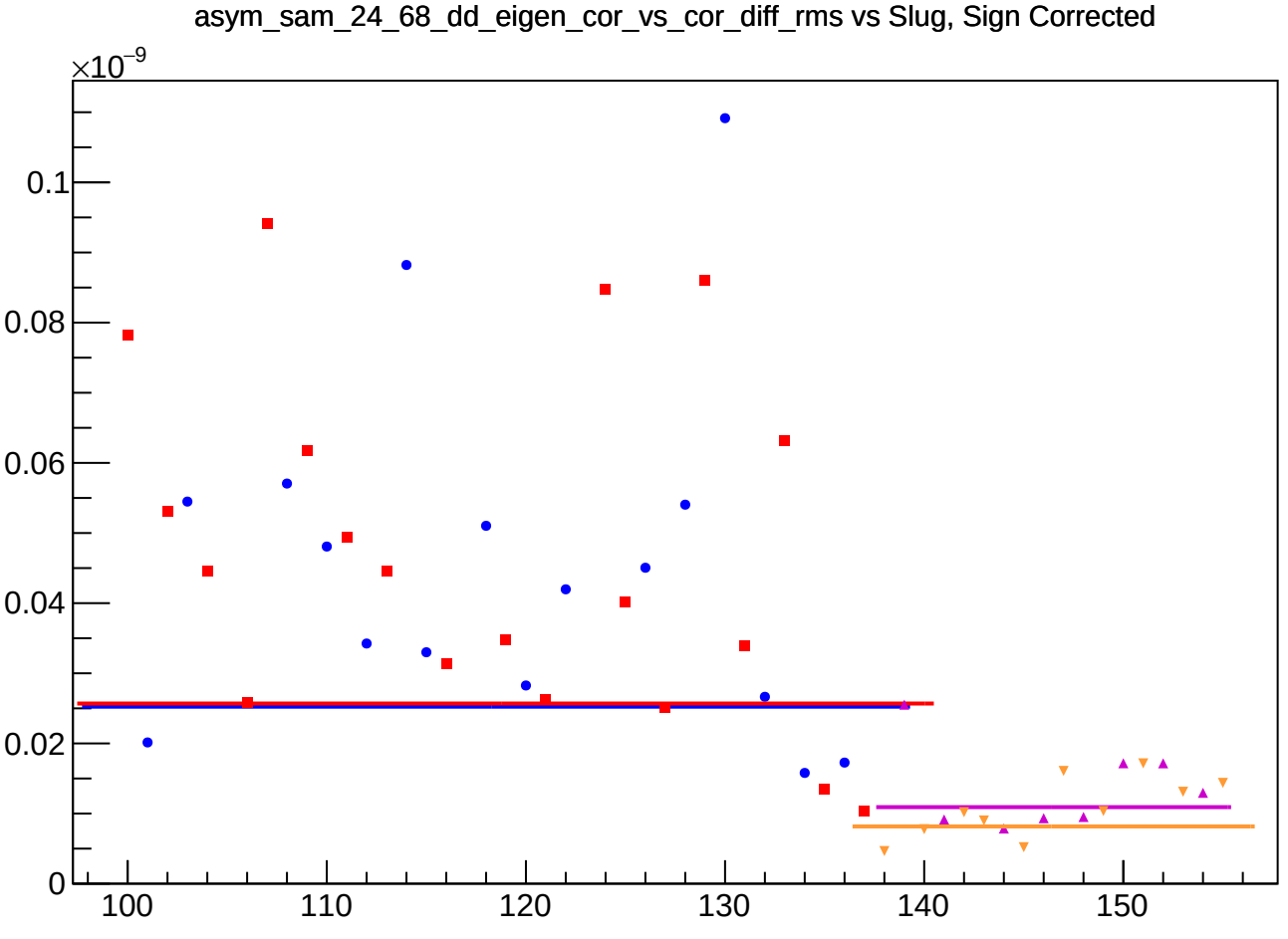
Left: -0.000+/-0.000 χ^2/NDF: 23.8/17

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:33.3/23

Out: 0.000+/-0.000 χ^2/NDF:28.4/28

All: 0.000+/-0.000 χ^2/NDF: 64.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1298544.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:957090.2/7

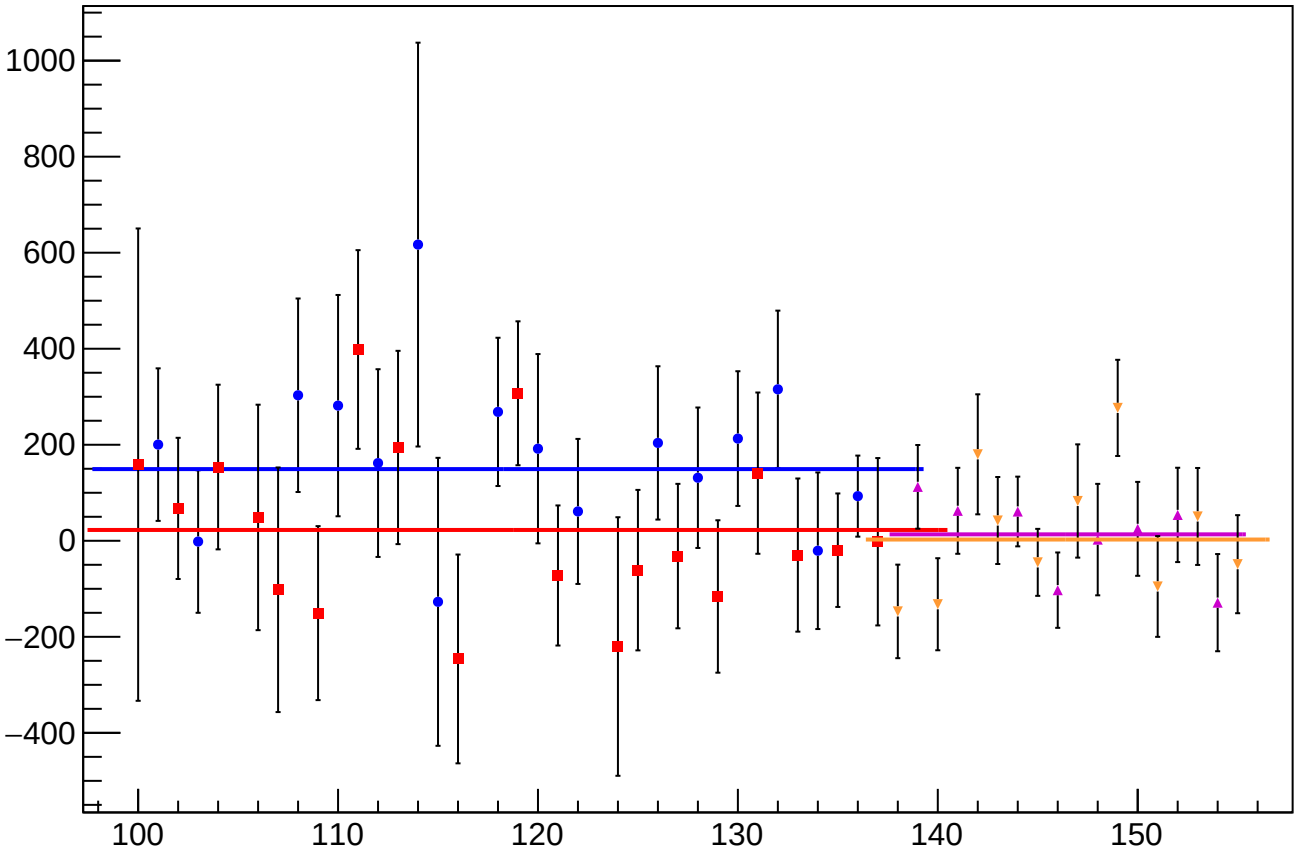
Left: 0.000+/-0.000 χ^2/NDF: 2532221.5/17

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:4960807.2/23

Out: 0.000+/-0.000 χ^2/NDF:6812533.0/28

All: 0.000+/-0.000 χ^2/NDF: 12290662.4/52



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: 2.601+/-30.688 χ^2/NDF:16.3/9

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 13.407+/-31.806 χ^2/NDF:6.4/7

Left: 7.811+/-22.084 χ^2/NDF: 22.8/17

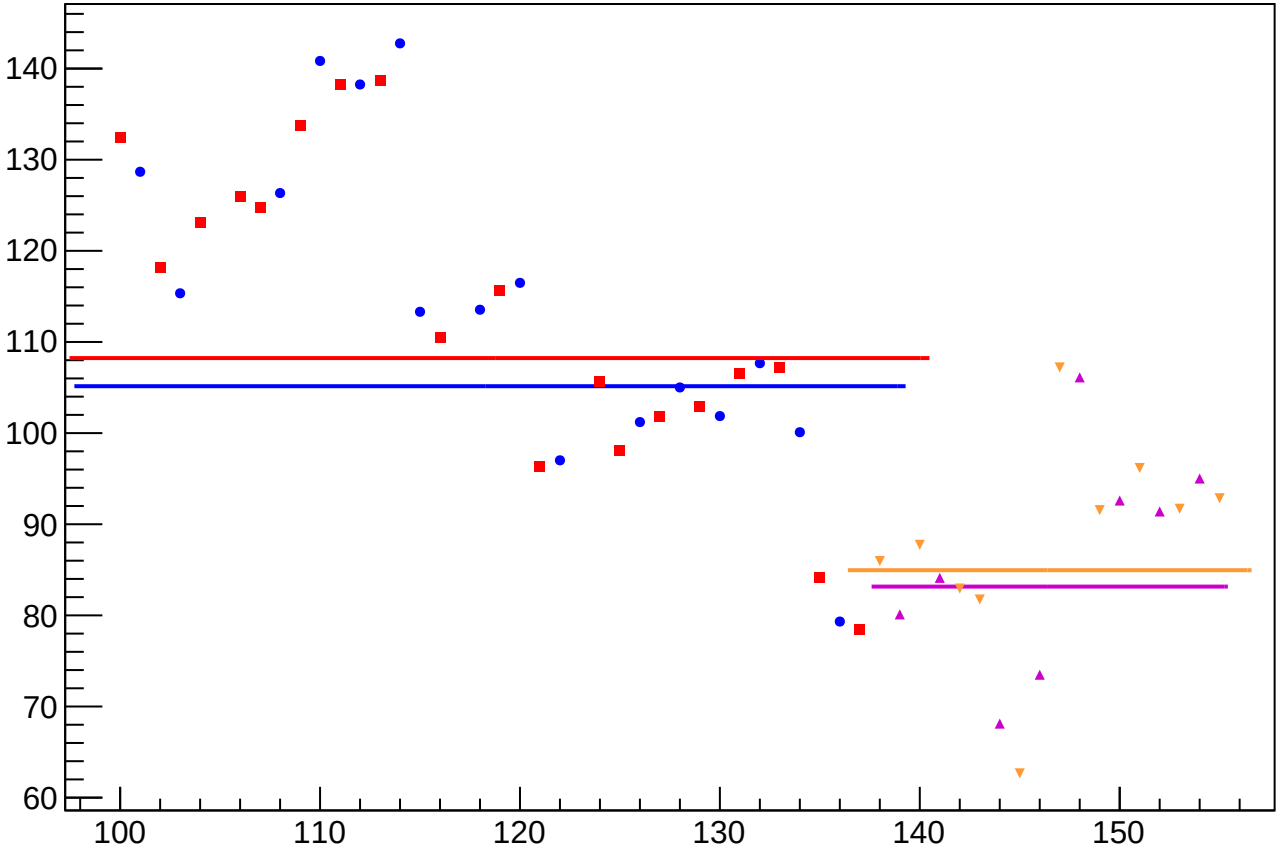
Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 66.554+/-24.819 χ^2/NDF:21.5/23

Out: 9.969+/-24.371 χ^2/NDF:30.7/28

All: 37.745+/-17.389 χ^2/NDF: 54.9/52

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 84.956+/-0.022 χ^2/NDF:332628.7/9

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 83.159+/-0.022 χ^2/NDF:257230.0/7

Left: 84.090+/-0.016 χ^2/NDF: 593167.7/17

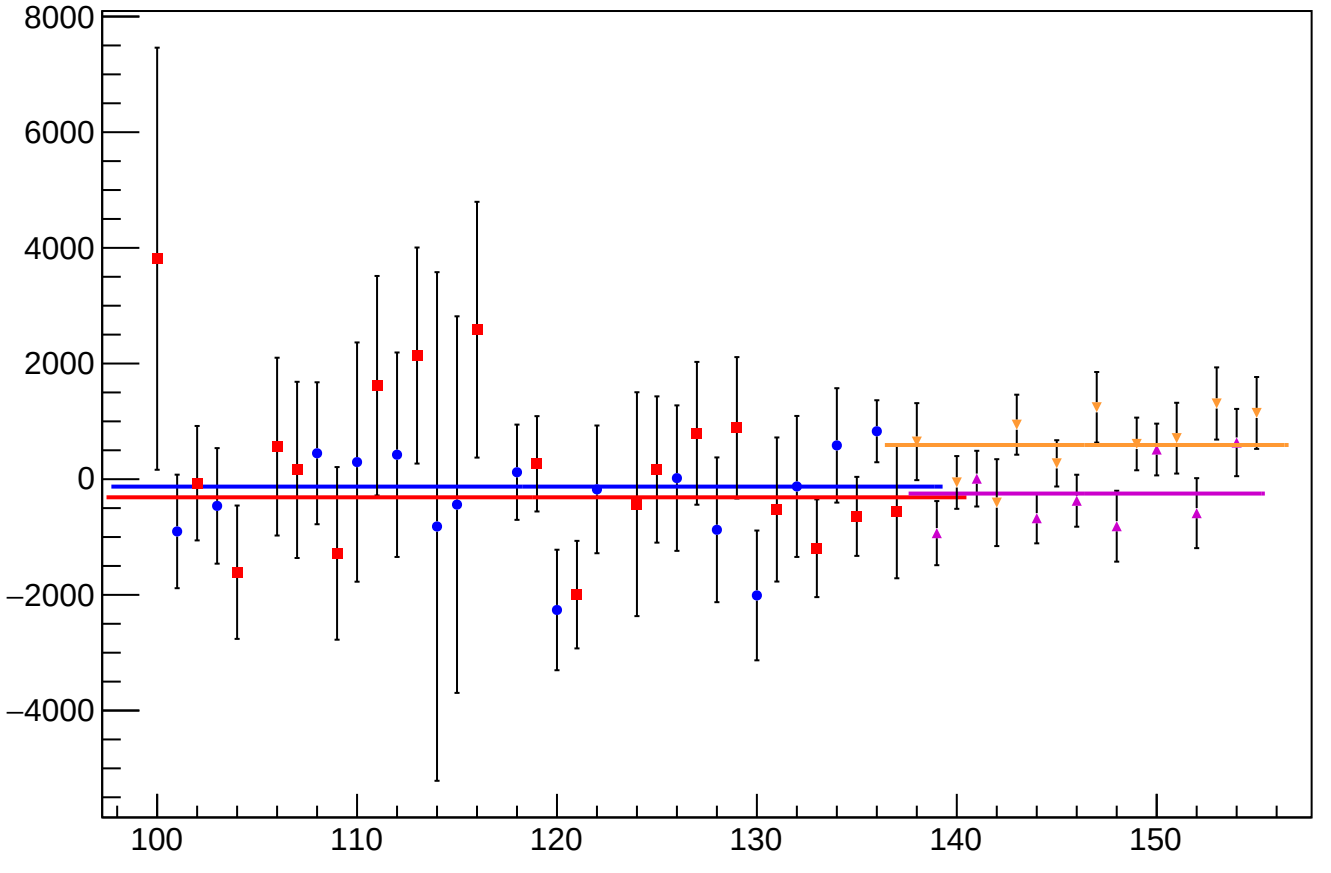
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 91.758+/-0.018 χ^2/NDF:1039441.6/23

Out: 93.553+/-0.017 χ^2/NDF:1107531.6/28

All: 92.672+/-0.012 χ^2/NDF: 2152304.3/52

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: 591.410+/-171.172 χ^2/NDF:8.2/9

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -248.259+/-179.188 χ^2/NDF:9.2/7

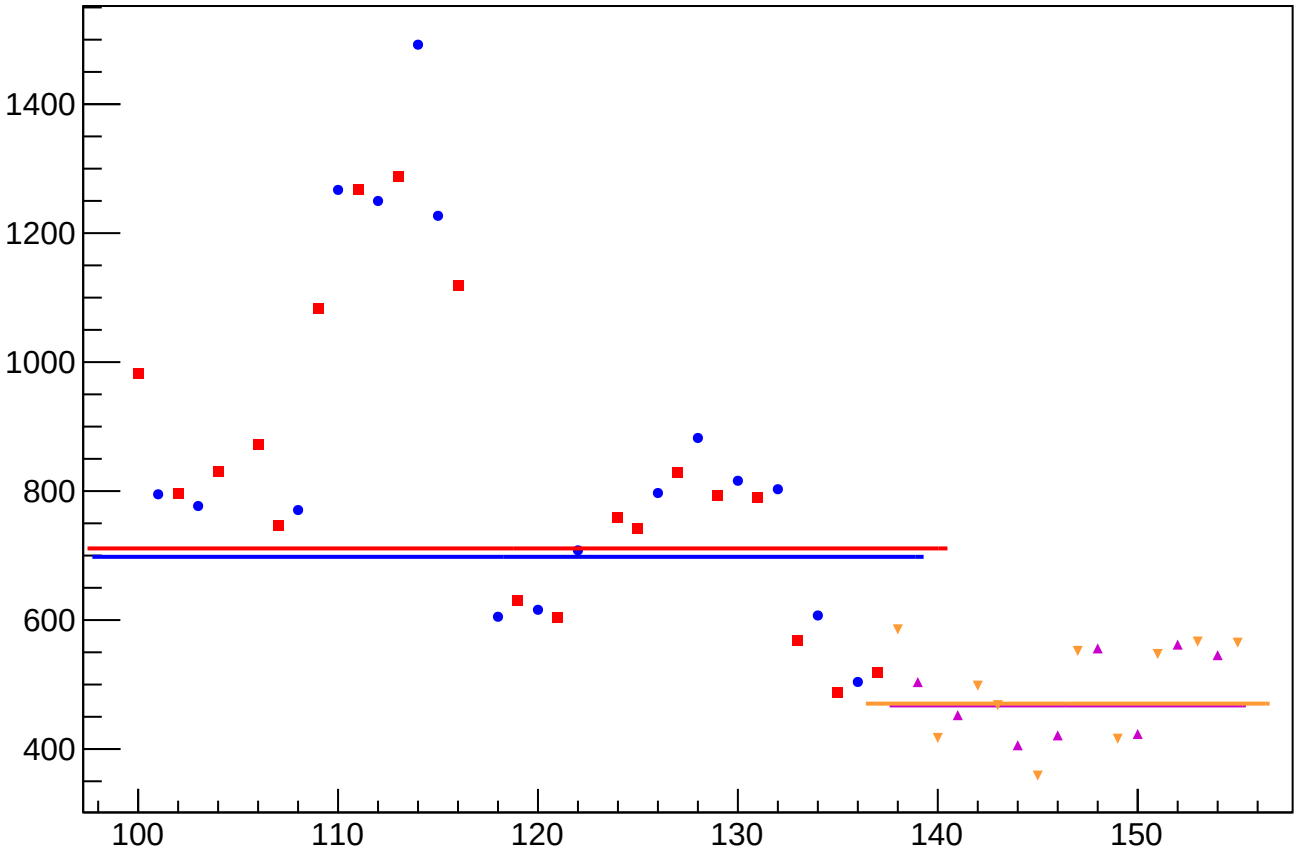
Left: 190.779+/-123.774 χ^2/NDF: 28.9/17

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -211.241+/-149.064 χ^2/NDF:21.6/23

Out: 332.294+/-144.588 χ^2/NDF:31.2/28

All: 68.811+/-103.785 χ^2/NDF: 59.7/52



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 470.430+/-0.121 χ^2/NDF:435226.1/9

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 467.609+/-0.127 χ^2/NDF:217944.9/7

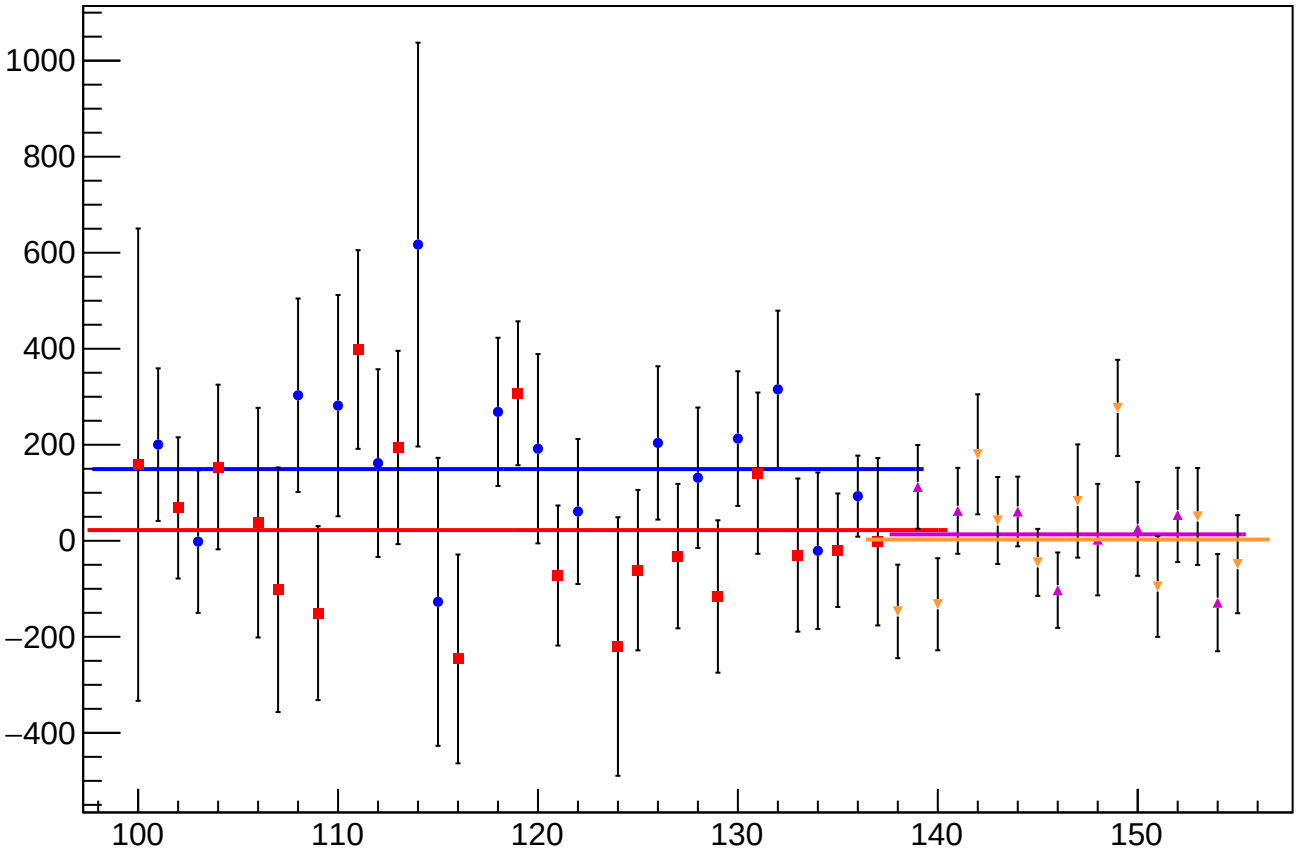
Left: 469.084+/-0.088 χ^2/NDF: 653430.2/17

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 538.578+/-0.105 χ^2/NDF:2149500.1/23

Out: 539.377+/-0.102 χ^2/NDF:2602950.2/28

All: 538.990+/-0.073 χ^2/NDF: 4752480.0/52



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 2.597+/-30.688 χ^2/NDF:16.3/9

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 13.407+/-31.806 χ^2/NDF:6.4/7

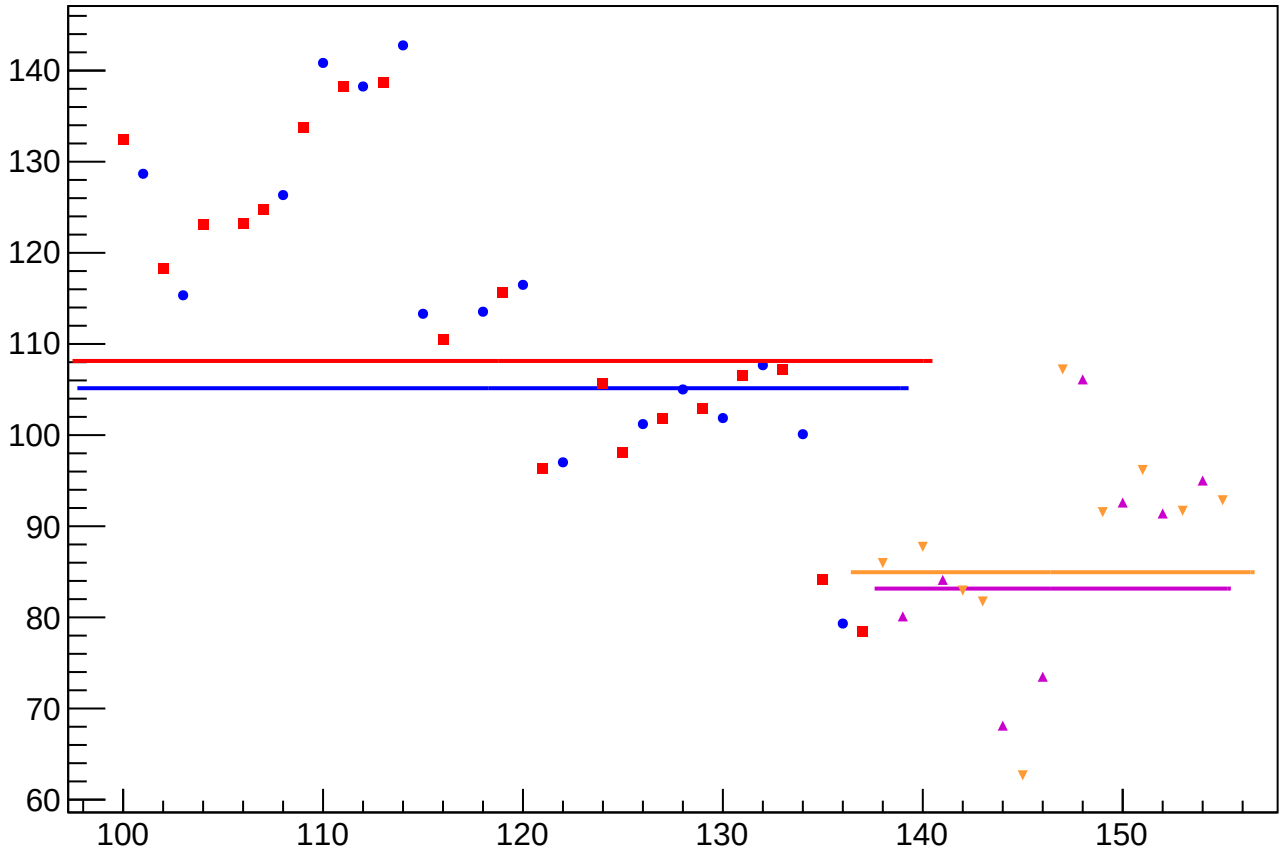
Left: 7.809+/-22.084 χ^2/NDF: 22.8/17

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 66.550+/-24.819 χ^2/NDF:21.5/23

Out: 9.868+/-24.376 χ^2/NDF:30.7/28

All: 37.698+/-17.391 χ^2/NDF: 54.9/52



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 84.956+/-0.022 χ^2/NDF:332628.7/9

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 83.159+/-0.022 χ^2/NDF:257230.0/7

Left: 84.090+/-0.016 χ^2/NDF: 593167.7/17

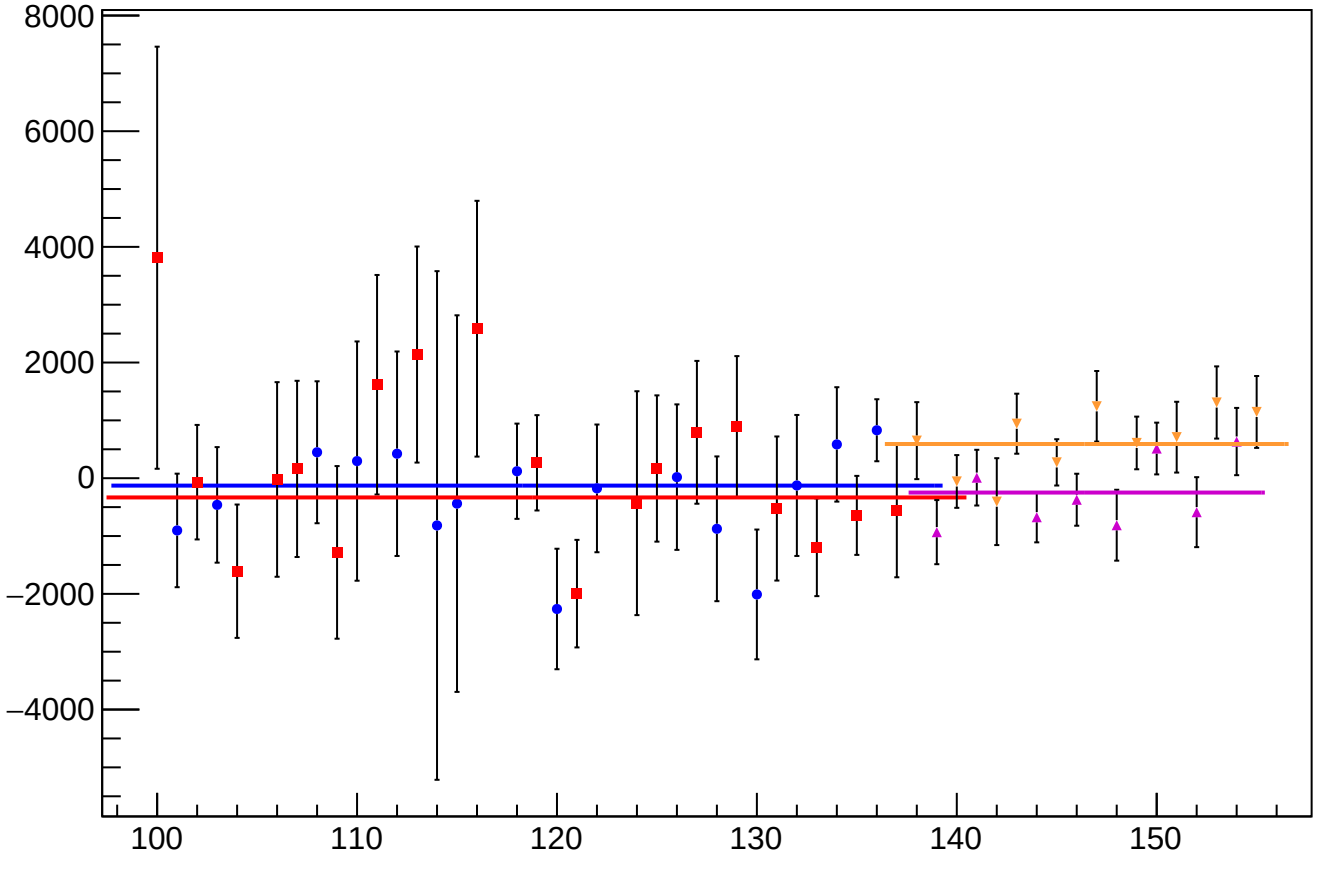
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.758+/-0.018 χ^2/NDF:1039441.9/23

Out: 93.512+/-0.017 χ^2/NDF:1100112.4/28

All: 92.651+/-0.012 χ^2/NDF: 2144640.6/52

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 591.411+/-171.172 χ^2/NDF:8.2/9

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -248.258+/-179.188 χ^2/NDF:9.2/7

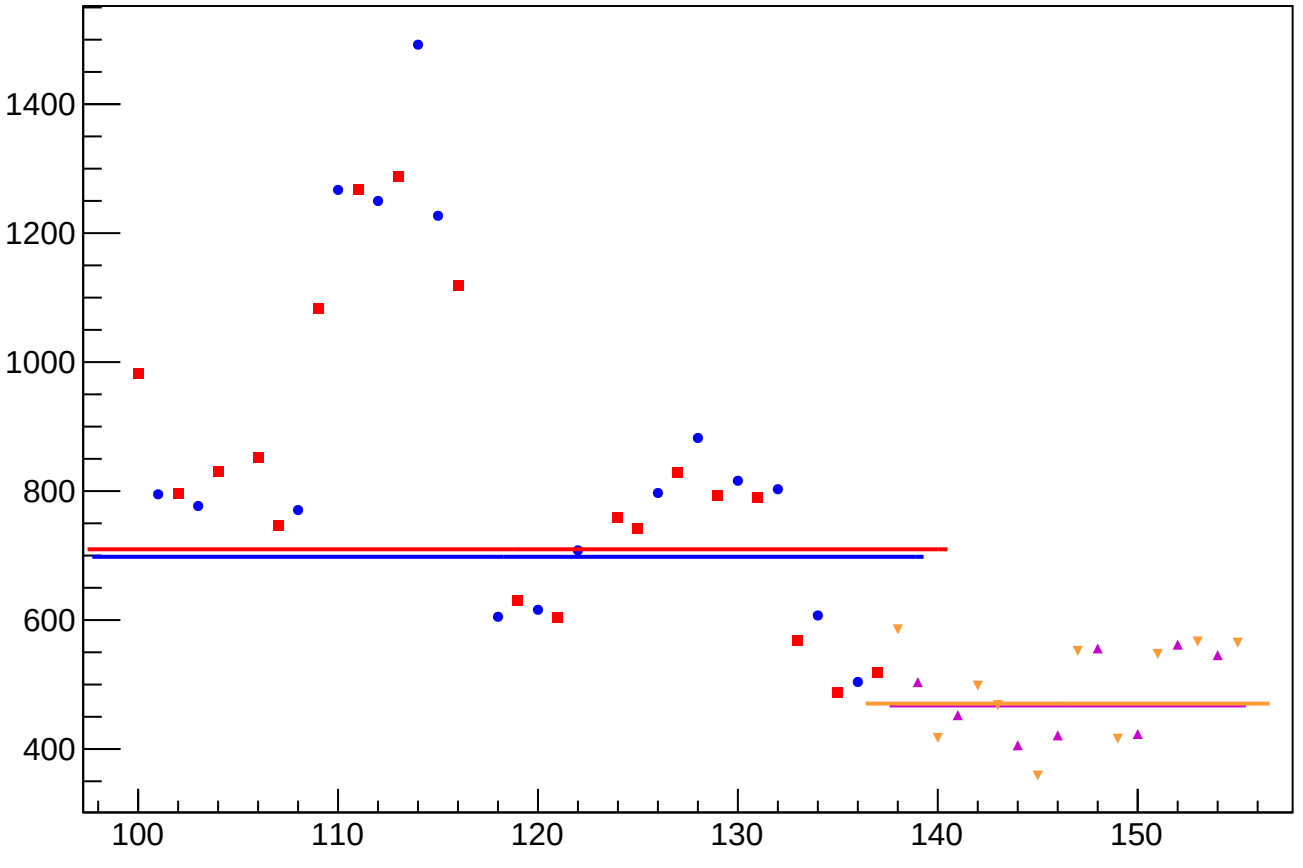
Left: 190.779+/-123.774 χ^2/NDF: 28.9/17

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -211.237+/-149.065 χ^2/NDF:21.6/23

Out: 327.652+/-144.695 χ^2/NDF:31.2/28

All: 66.221+/-103.825 χ^2/NDF: 59.6/52



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 470.430+/-0.121 χ^2/NDF:435227.2/9

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 467.609+/-0.127 χ^2/NDF:217943.0/7

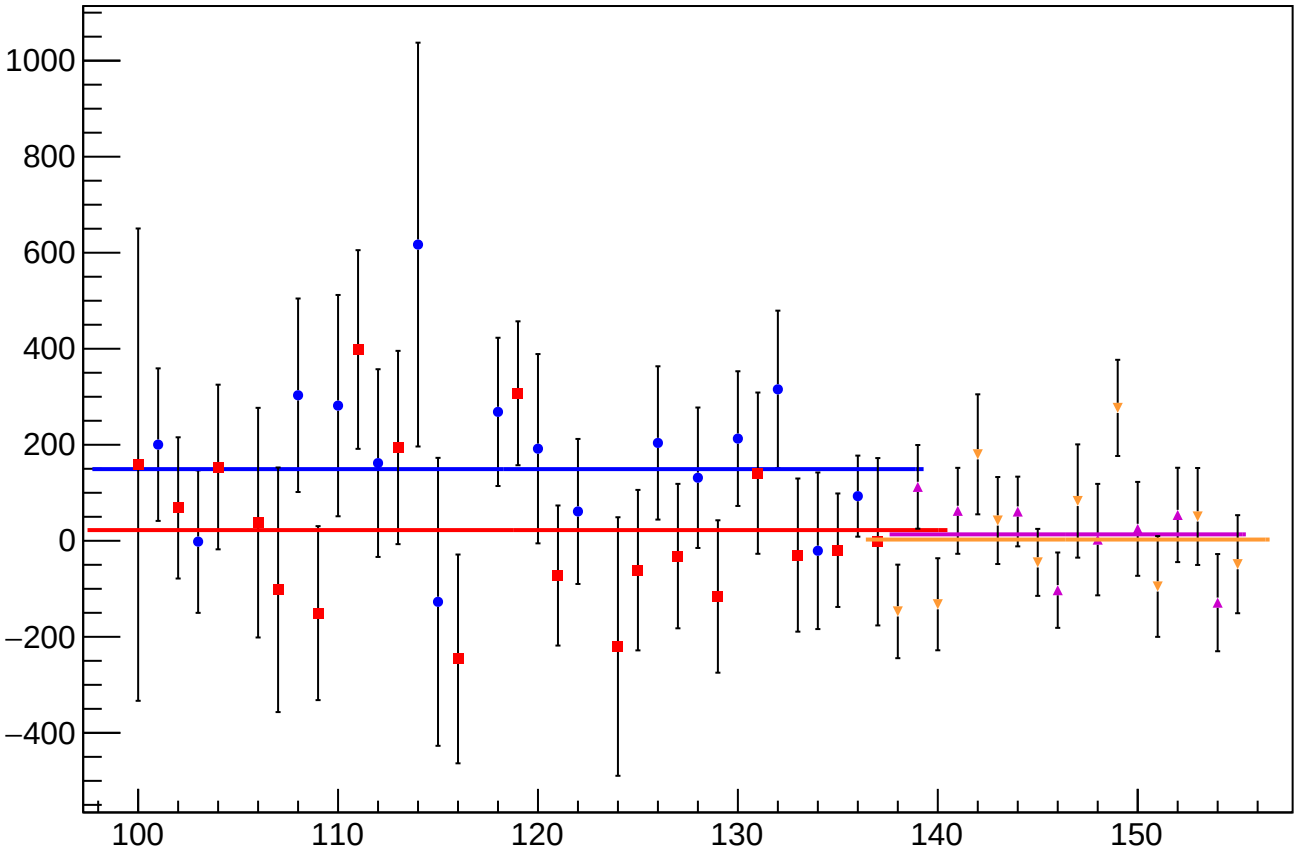
Left: 469.084+/-0.088 χ^2/NDF: 653429.4/17

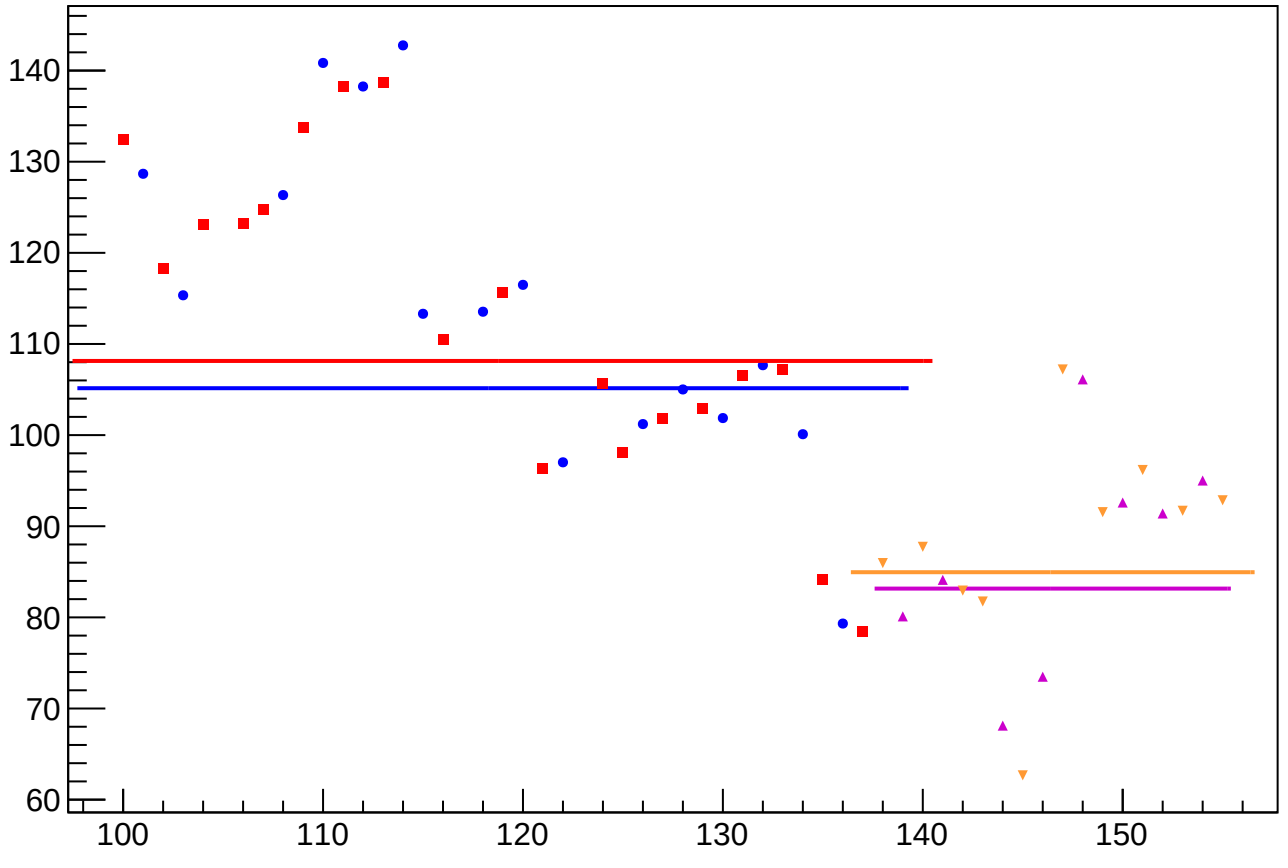
Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 538.578+/-0.105 χ^2/NDF:2149510.5/23

Out: 538.739+/-0.102 χ^2/NDF:2578216.8/28

All: 538.661+/-0.073 χ^2/NDF: 4727728.5/52


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: 2.597+/-30.688 χ²/NDF:16.3/9
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: 13.407+/-31.806 χ²/NDF:6.4/7
Left: 7.809+/-22.084 χ²/NDF: 22.8/17
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 66.550+/-24.819 χ²/NDF:21.5/23
Out: 9.868+/-24.376 χ²/NDF:30.7/28
All: 37.698+/-17.391 χ²/NDF: 54.9/52



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 84.956+/-0.022 χ^2/NDF:332628.7/9

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 83.159+/-0.022 χ^2/NDF:257230.0/7

Left: 84.090+/-0.016 χ^2/NDF: 593167.7/17

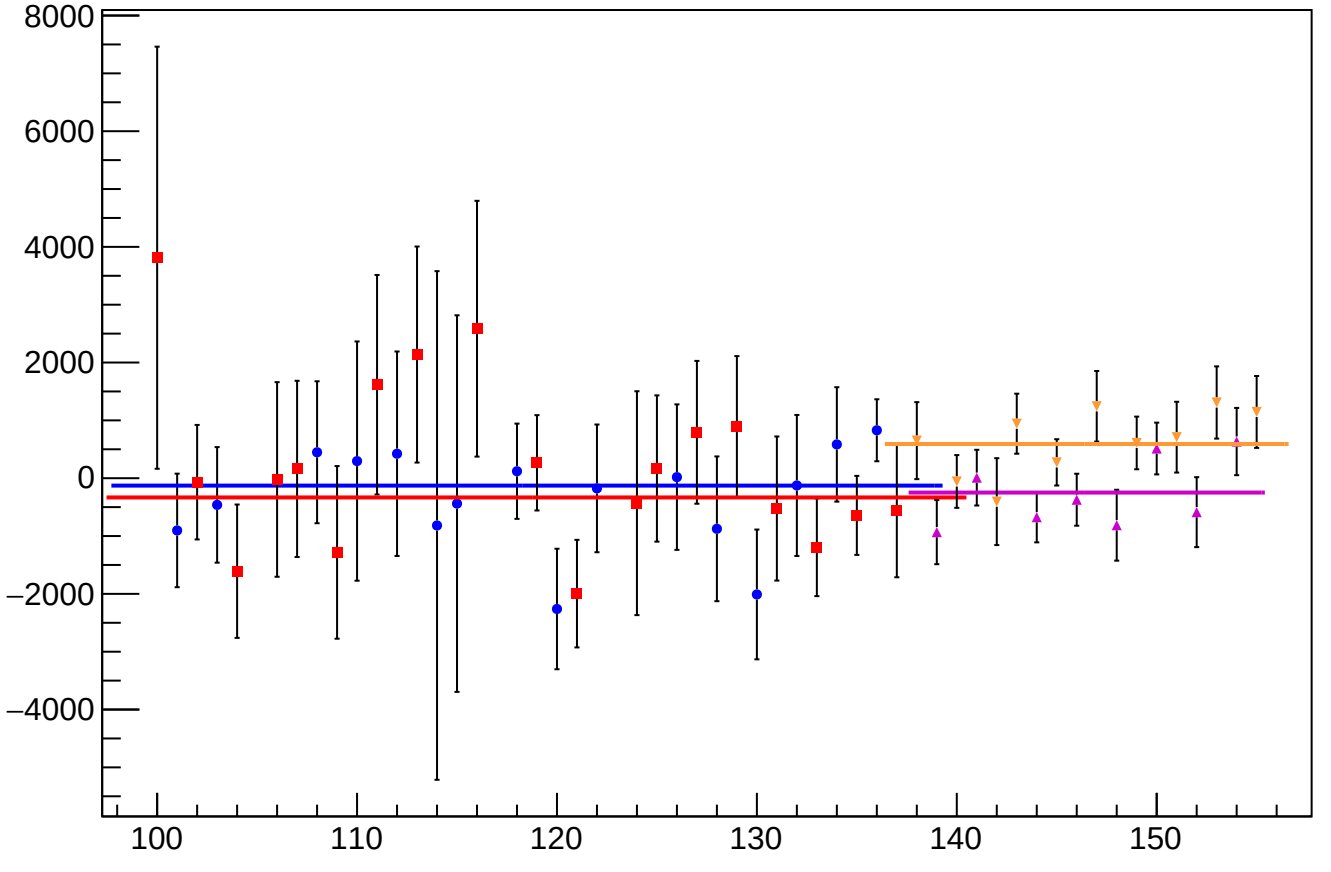
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.758+/-0.018 χ^2/NDF:1039441.9/23

Out: 93.512+/-0.017 χ^2/NDF:1100112.4/28

All: 92.651+/-0.012 χ^2/NDF: 2144640.6/52

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: 591.411+/-171.172 χ^2/NDF:8.2/9

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -248.258+/-179.188 χ^2/NDF:9.2/7

Left: 190.779+/-123.774 χ^2/NDF: 28.9/17

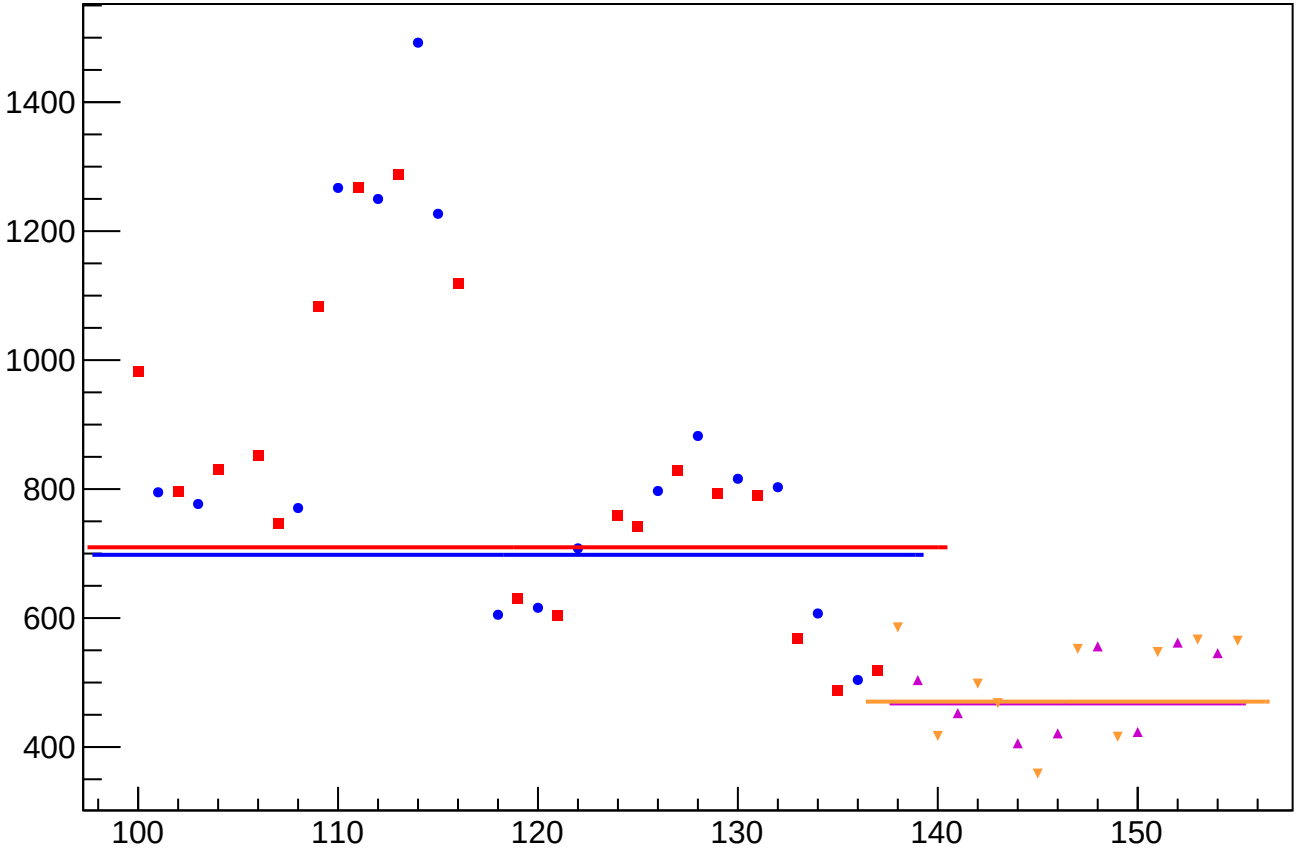
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -211.237+/-149.065 χ^2/NDF:21.6/23

Out: 327.652+/-144.695 χ^2/NDF:31.2/28

All: 66.221+/-103.825 χ^2/NDF: 59.6/52

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: 470.430+/-0.121 χ^2/NDF:435227.2/9

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 467.609+/-0.127 χ^2/NDF:217943.0/7

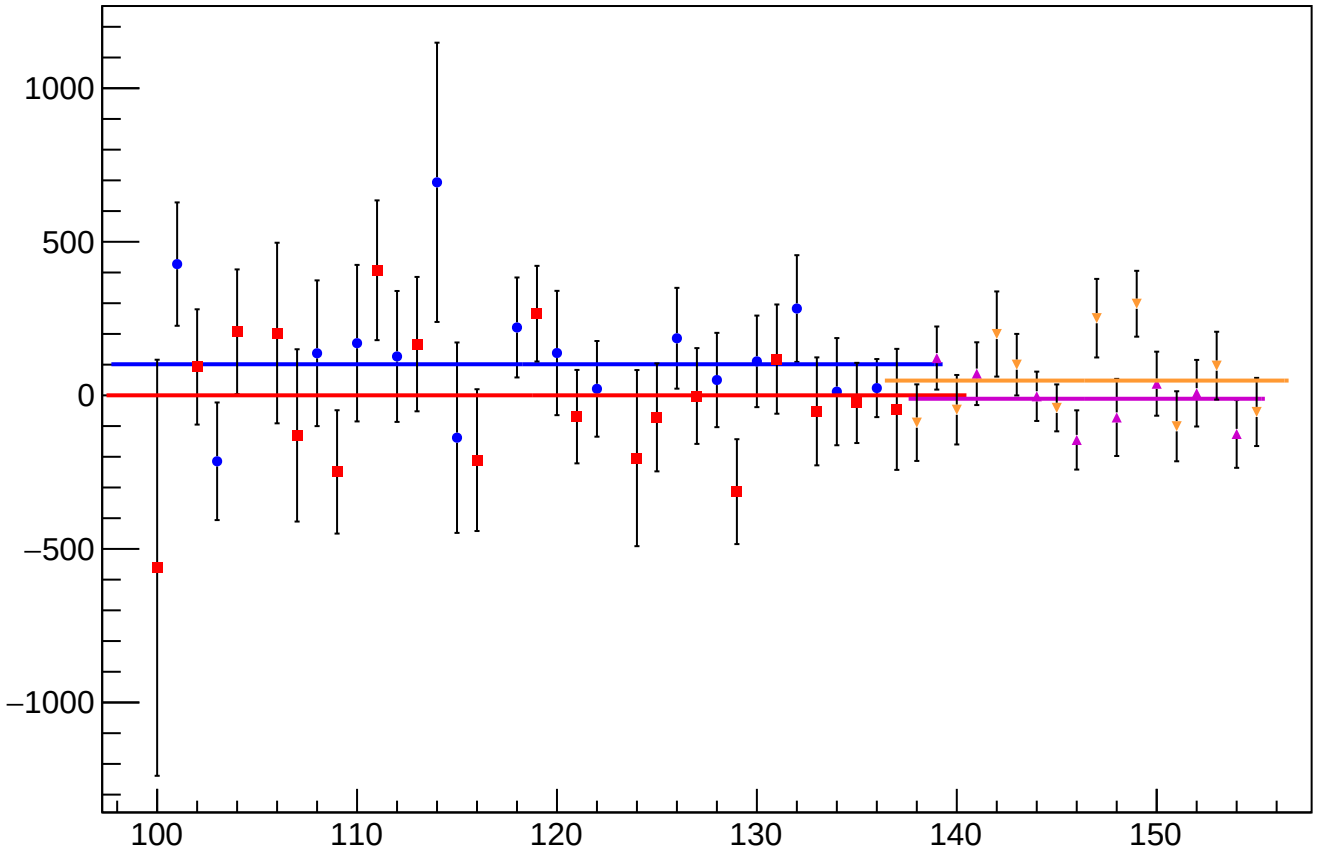
Left: 469.084+/-0.088 χ^2/NDF: 653429.4/17

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 538.578+/-0.105 χ^2/NDF:2149510.5/23

Out: 538.739+/-0.102 χ^2/NDF:2578216.8/28

All: 538.661+/-0.073 χ^2/NDF: 4727728.5/52



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 48.122+/-34.222 χ^2/NDF:15.4/9

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -11.098+/-35.904 χ^2/NDF:5.8/7

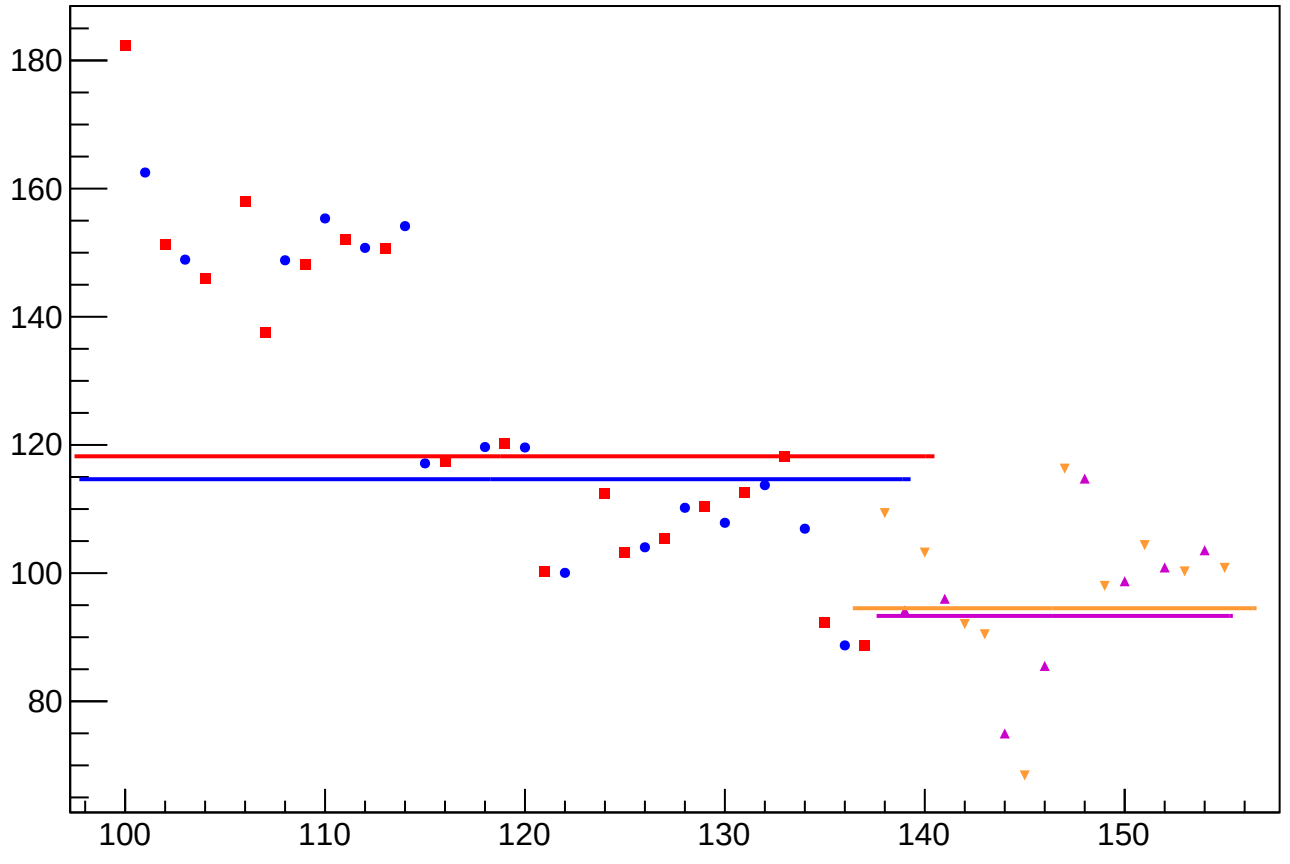
Left: 19.932+/-24.772 χ^2/NDF: 22.7/17

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 34.427+/-27.693 χ^2/NDF:20.8/23

Out: 30.049+/-27.022 χ^2/NDF:32.8/28

All: 32.184+/-19.340 χ^2/NDF: 53.6/52



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 94.521+/-0.024 χ^2/NDF:364222.9/9

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 93.323+/-0.025 χ^2/NDF:209528.6/7

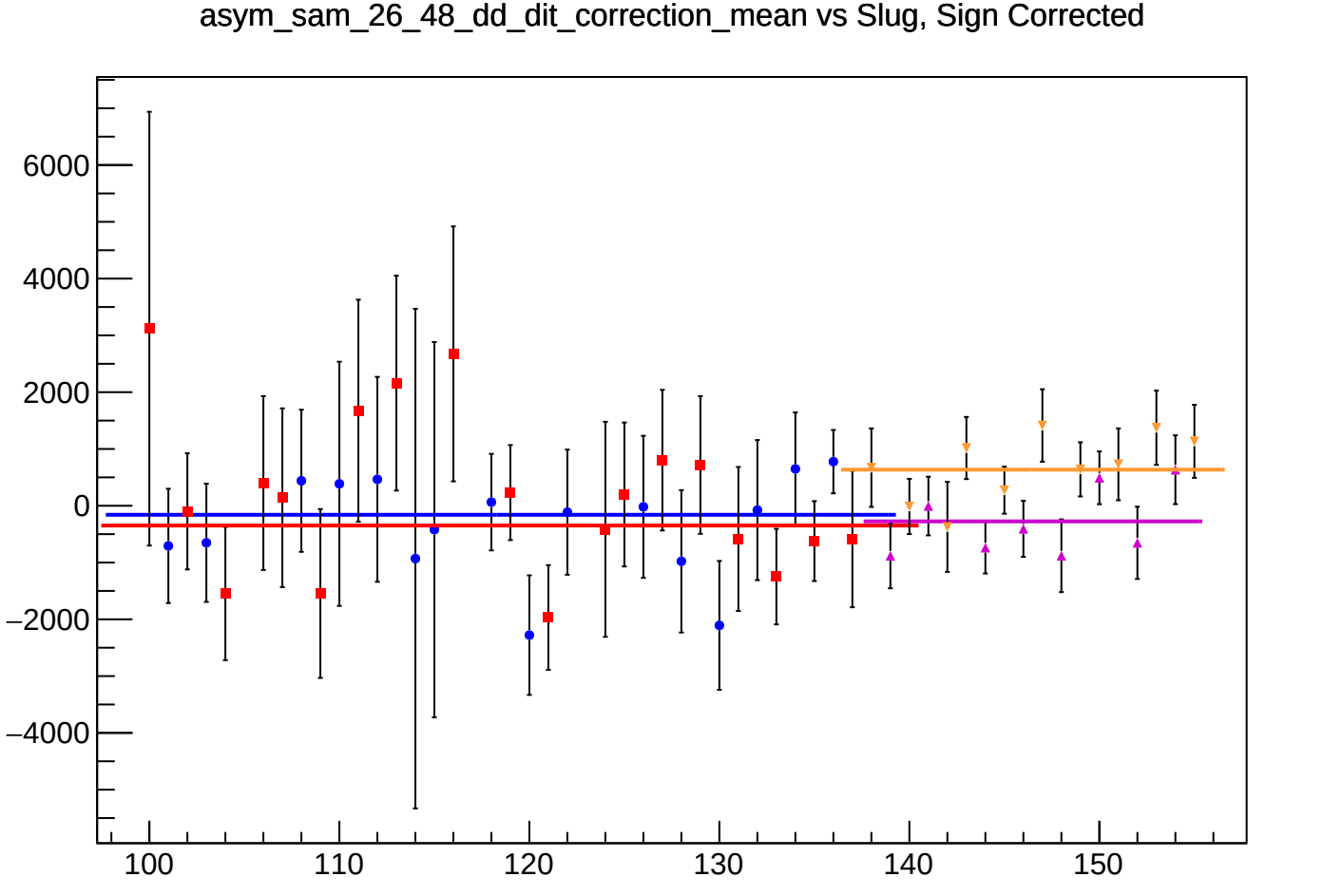
Left: 93.950+/-0.018 χ^2/NDF: 574918.5/17

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

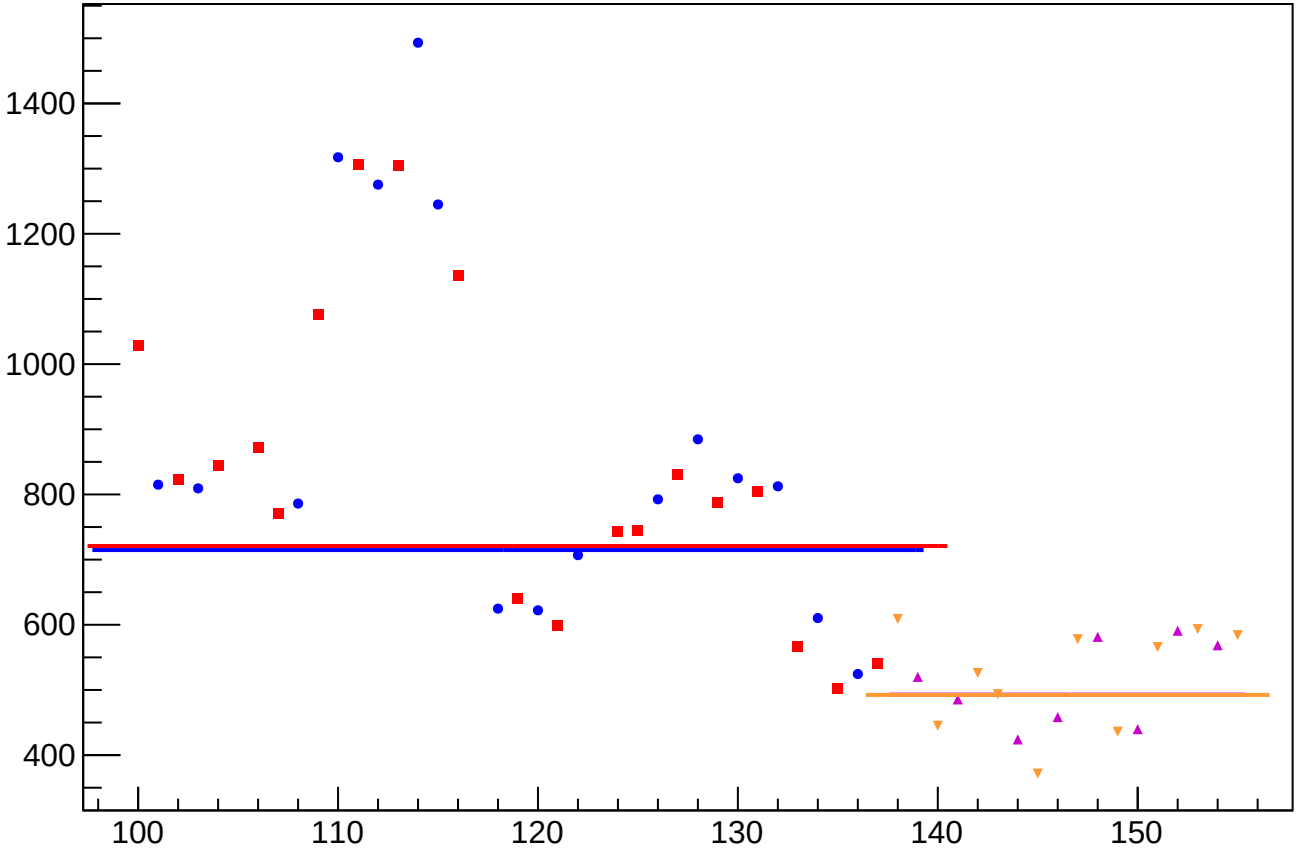
In: 101.964+/-0.020 χ^2/NDF:1027501.0/23

Out: 103.449+/-0.019 χ^2/NDF:1209112.9/28

All: 102.725+/-0.014 χ^2/NDF: 2239557.9/52


asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: -159.110+/-274.558 χ²/NDF: 12.0/15
Left Out: 635.164+/-179.012 χ²/NDF:8.0/9
Right Out: -348.528+/-273.595 χ²/NDF: 14.3/18
Left In: -275.124+/-188.934 χ²/NDF:8.7/7
Left: 204.549+/-129.947 χ²/NDF: 29.0/17
Right: -254.152+/-193.800 χ²/NDF: 26.5/34
In: -237.842+/-155.643 χ²/NDF:20.8/23
Out: 340.283+/-149.797 χ²/NDF:31.4/28
All: 62.282+/-107.930 χ²/NDF: 59.4/52

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: 492.382+/-0.127 χ^2/NDF:429153.6/9

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 492.856+/-0.134 χ^2/NDF:203681.5/7

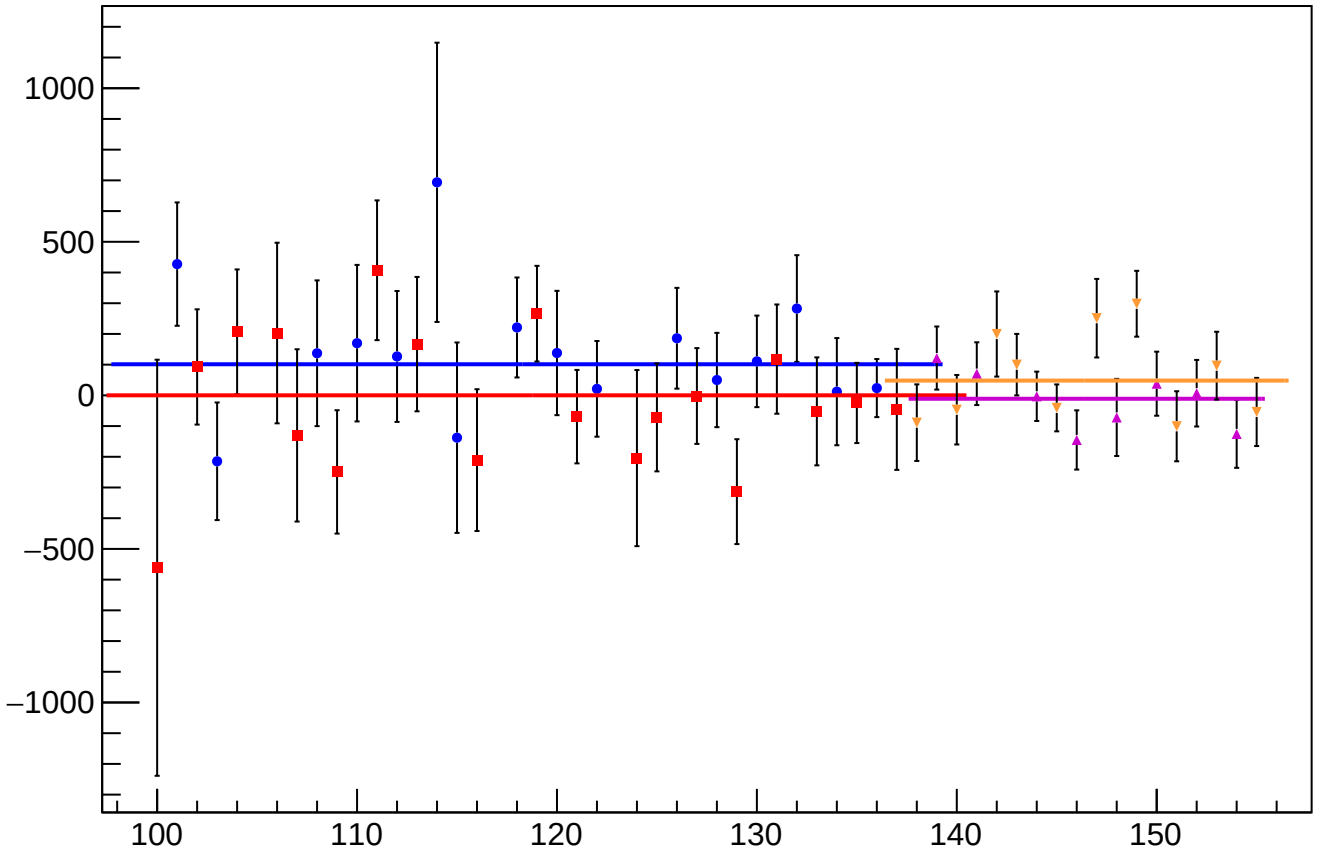
Left: 492.606+/-0.092 χ^2/NDF: 632841.7/17

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 564.137+/-0.110 χ^2/NDF:1965758.9/23

Out: 560.880+/-0.106 χ^2/NDF:2424455.7/28

All: 562.446+/-0.076 χ^2/NDF: 4390669.1/52



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 48.121+/-34.222 χ^2/NDF:15.4/9

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -11.099+/-35.904 χ^2/NDF:5.8/7

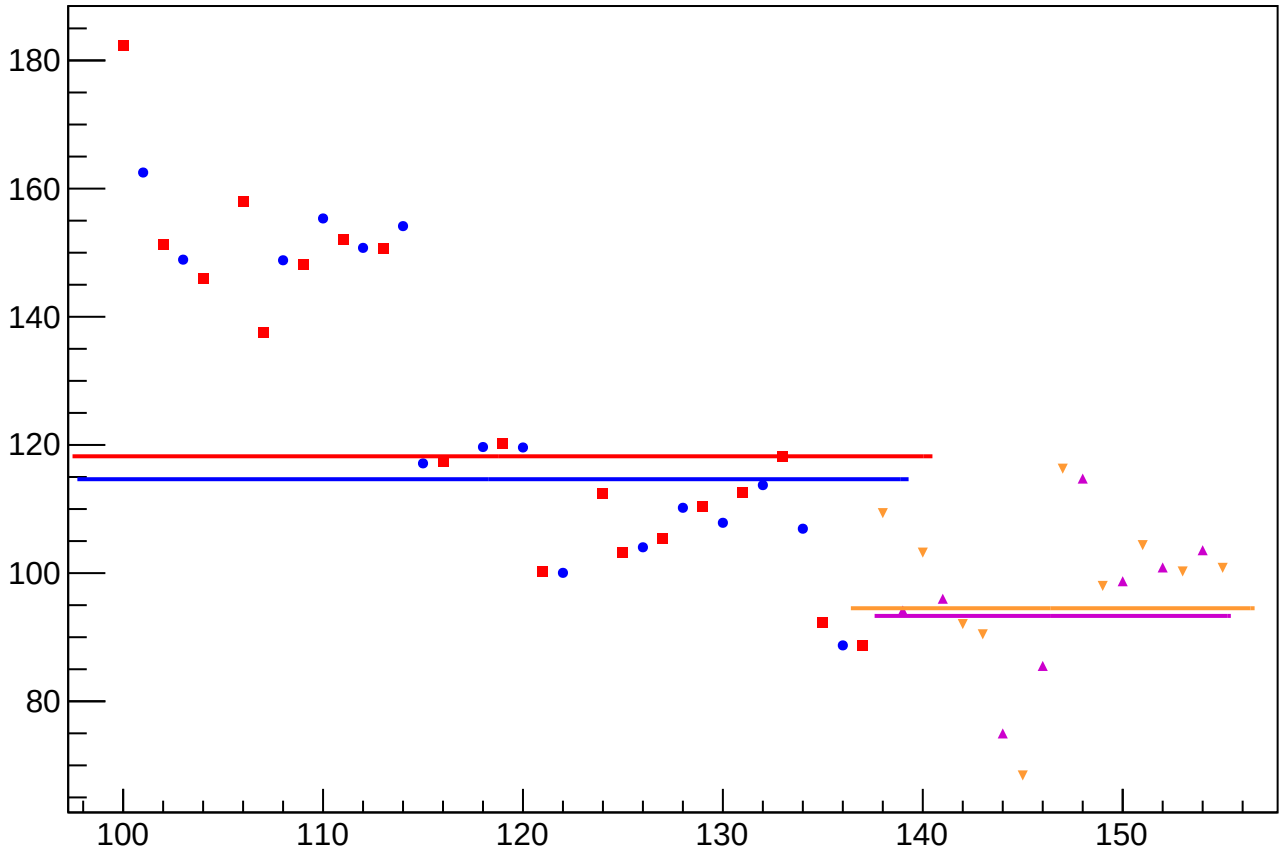
Left: 19.931+/-24.772 χ^2/NDF: 22.7/17

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 34.426+/-27.693 χ^2/NDF:20.8/23

Out: 30.048+/-27.022 χ^2/NDF:32.8/28

All: 32.183+/-19.340 χ^2/NDF: 53.6/52



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 94.521+/-0.024 χ^2/NDF:364228.1/9

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 93.323+/-0.025 χ^2/NDF:209528.7/7

Left: 93.950+/-0.018 χ^2/NDF: 574923.7/17

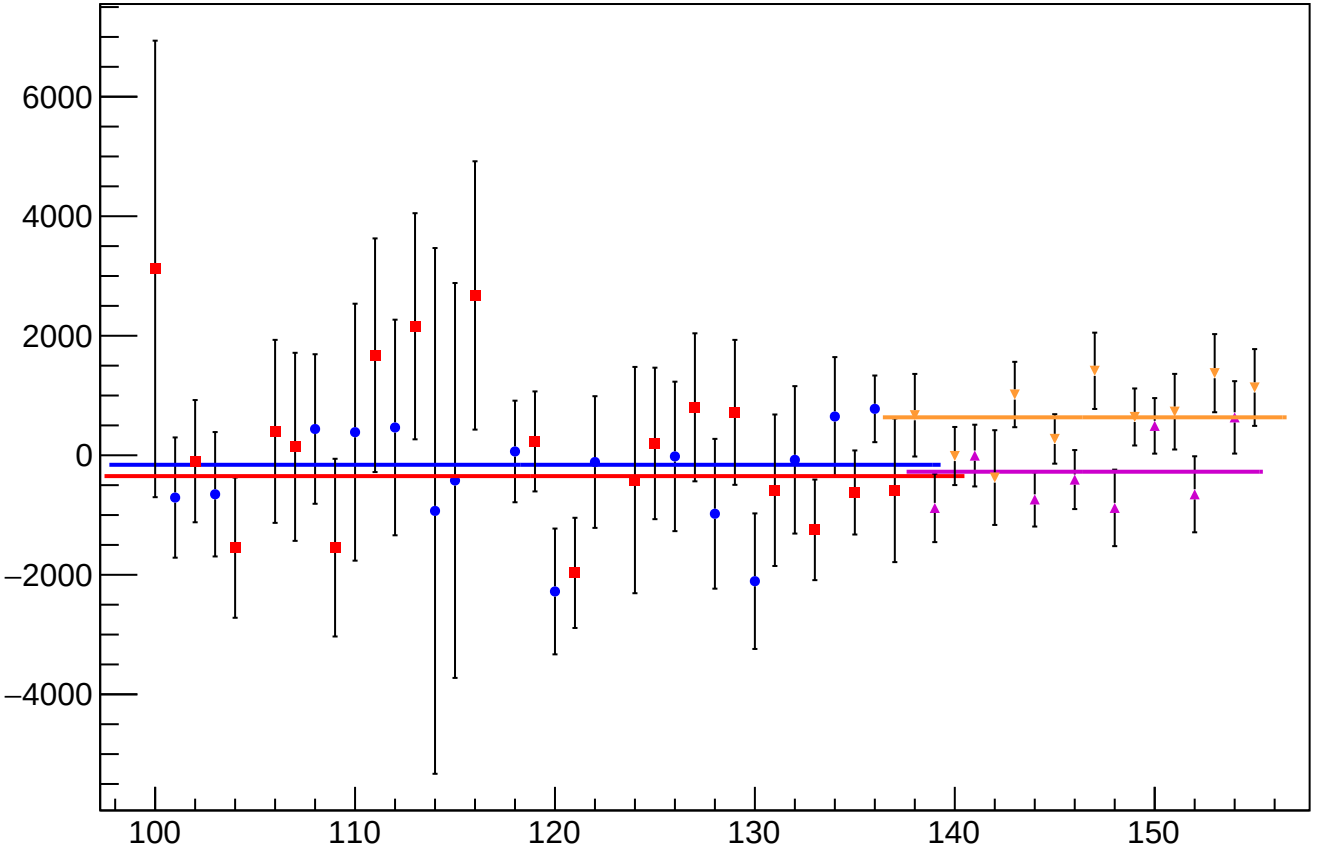
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 101.964+/-0.020 χ^2/NDF:1027490.1/23

Out: 103.449+/-0.019 χ^2/NDF:1209111.6/28

All: 102.725+/-0.014 χ^2/NDF: 2239545.3/52

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: 635.163+/-179.012 χ^2/NDF:8.0/9

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -275.125+/-188.934 χ^2/NDF:8.7/7

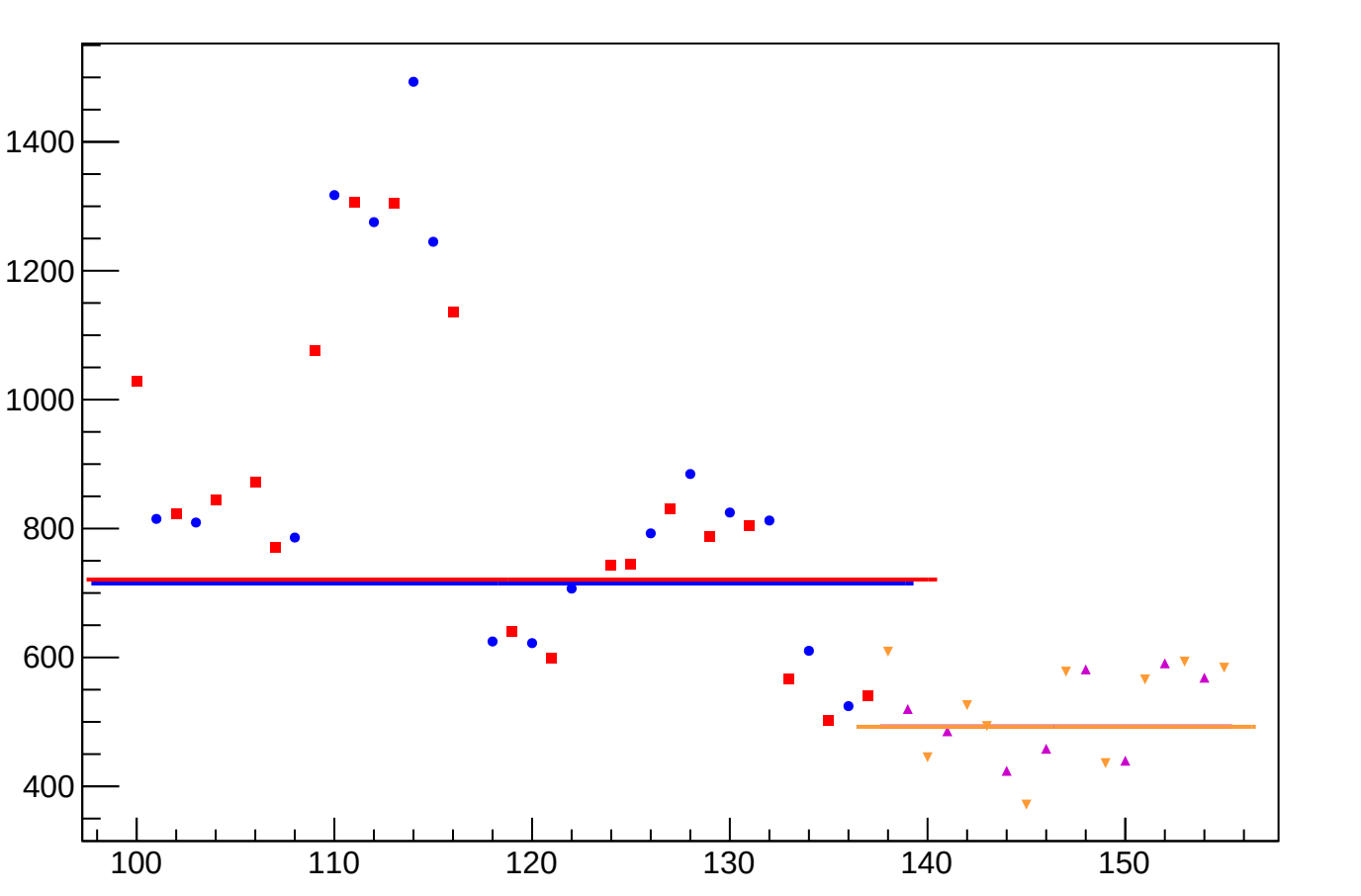
Left: 204.548+/-129.947 χ^2/NDF: 29.0/17

Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -237.843+/-155.643 χ^2/NDF:20.8/23

Out: 340.281+/-149.797 χ^2/NDF:31.4/28

All: 62.281+/-107.930 χ^2/NDF: 59.4/52



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 492.382+/-0.127 χ^2/NDF:429155.7/9

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 492.856+/-0.134 χ^2/NDF:203680.1/7

Left: 492.607+/-0.092 χ^2/NDF: 632842.4/17

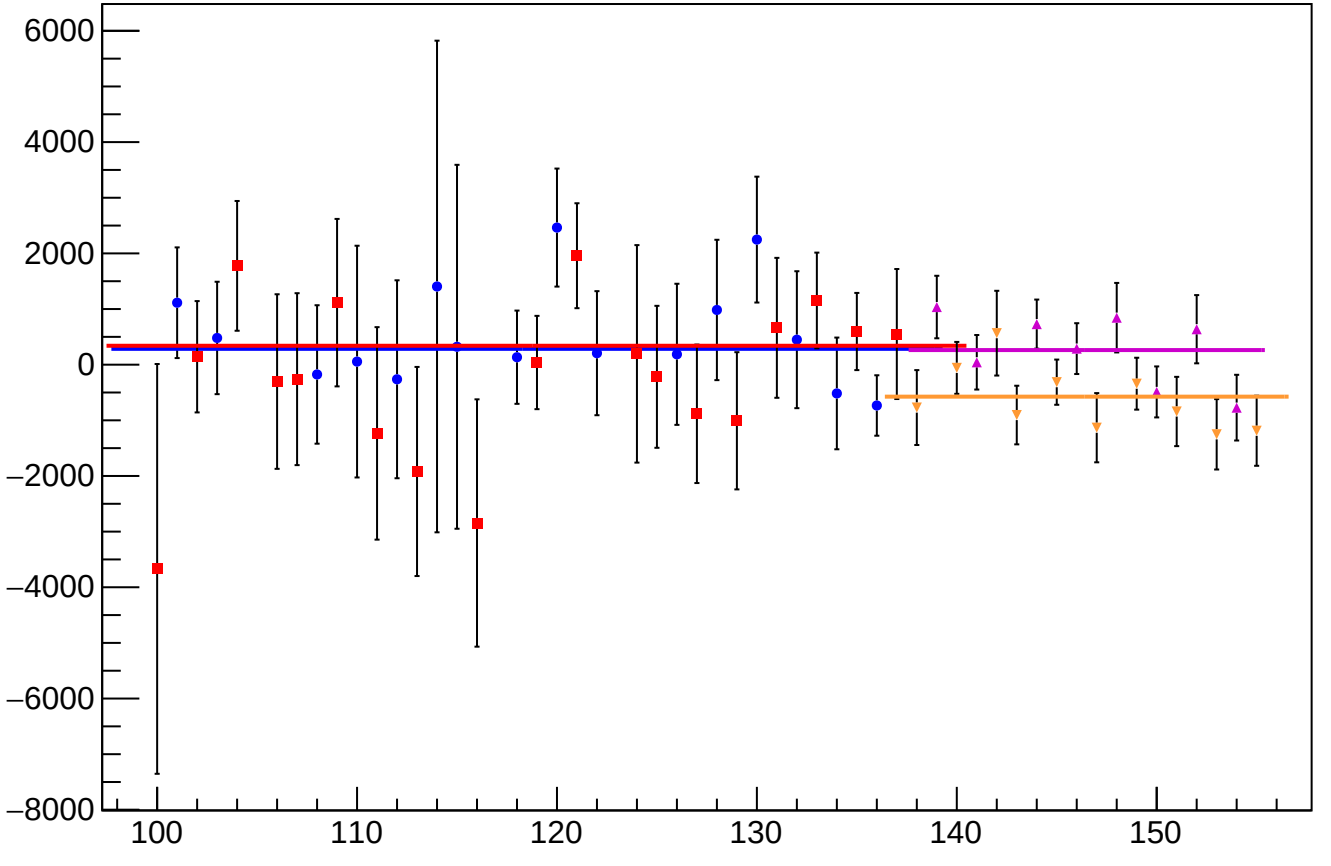
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 564.137+/-0.110 χ^2/NDF:1965749.3/23

Out: 560.880+/-0.106 χ^2/NDF:2424449.0/28

All: 562.447+/-0.076 χ^2/NDF: 4390652.9/52

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -574.538+/-174.136 χ^2/NDF:7.7/9

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 262.569+/-182.196 χ^2/NDF:10.2/7

Left: -174.910+/-125.886 χ^2/NDF: 29.0/17

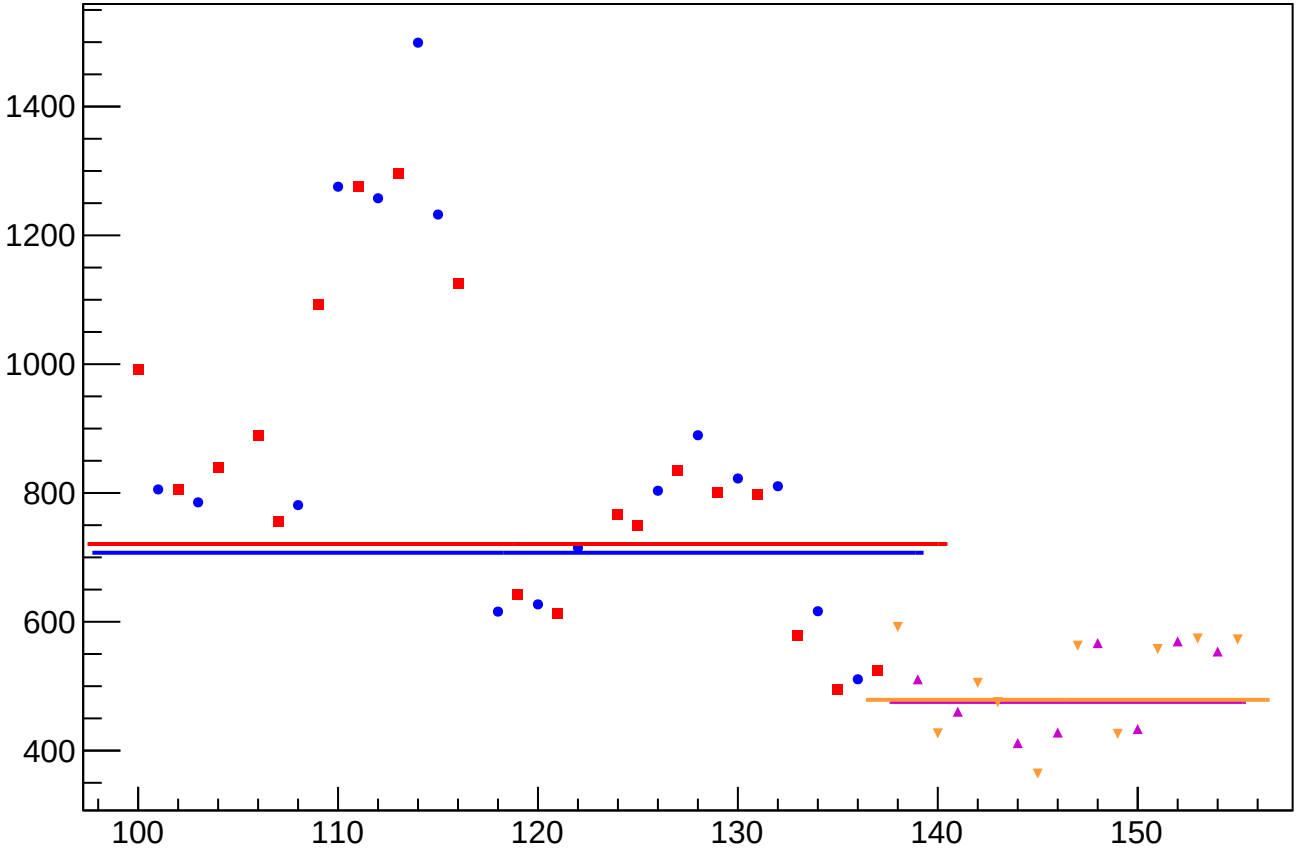
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 269.450+/-151.365 χ^2/NDF:23.0/23

Out: -310.873+/-146.906 χ^2/NDF:29.7/28

All: -29.386+/-105.419 χ^2/NDF: 60.3/52

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 478.834+/-0.123 χ^2/NDF:427027.0/9

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 475.605+/-0.129 χ^2/NDF:215234.0/7

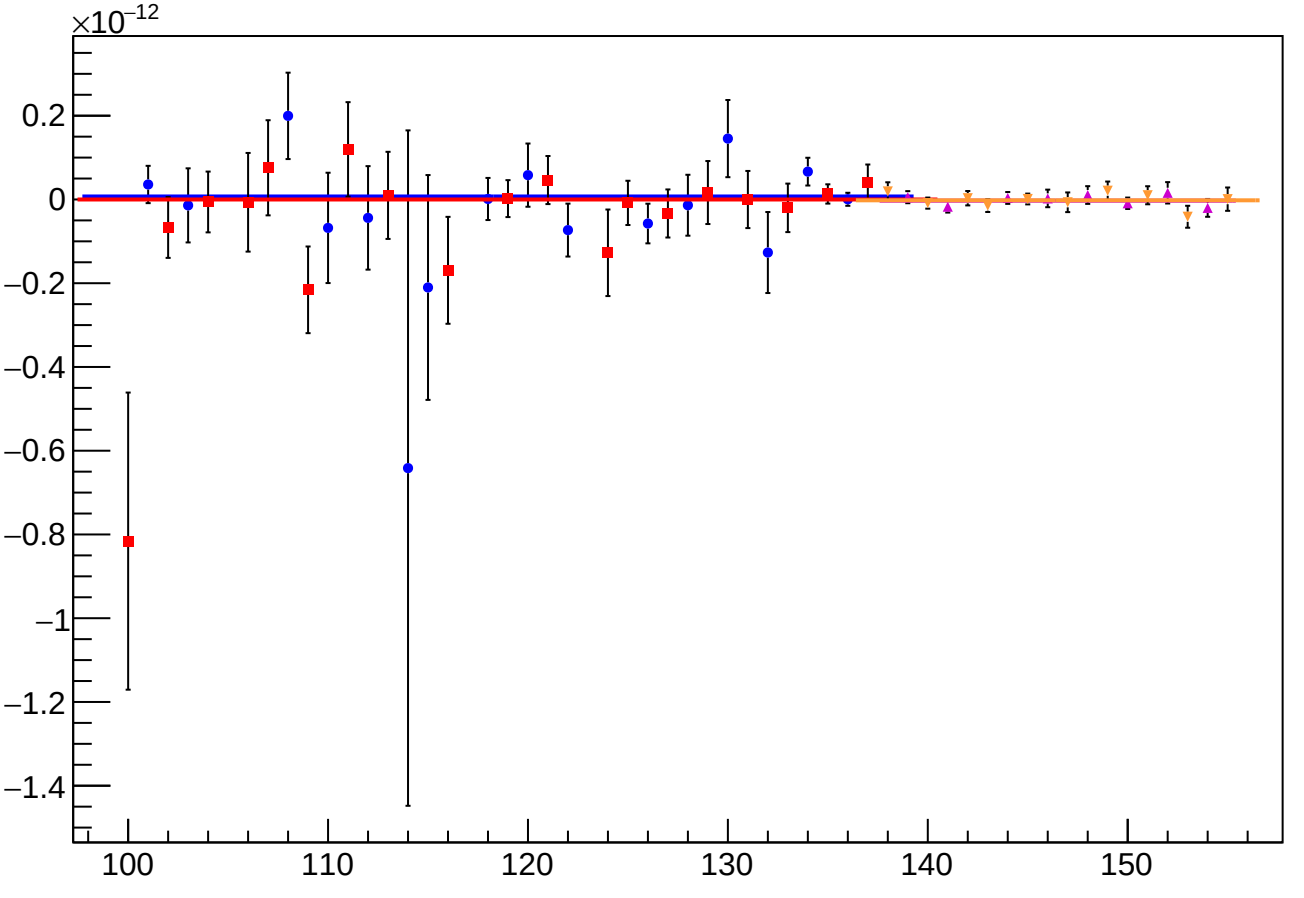
Left: 477.292+/-0.089 χ^2/NDF: 642589.3/17

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 547.358+/-0.107 χ^2/NDF:2113158.2/23

Out: 548.586+/-0.104 χ^2/NDF:2555371.7/28

All: 547.990+/-0.075 χ^2/NDF: 4668597.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/9

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.5/7

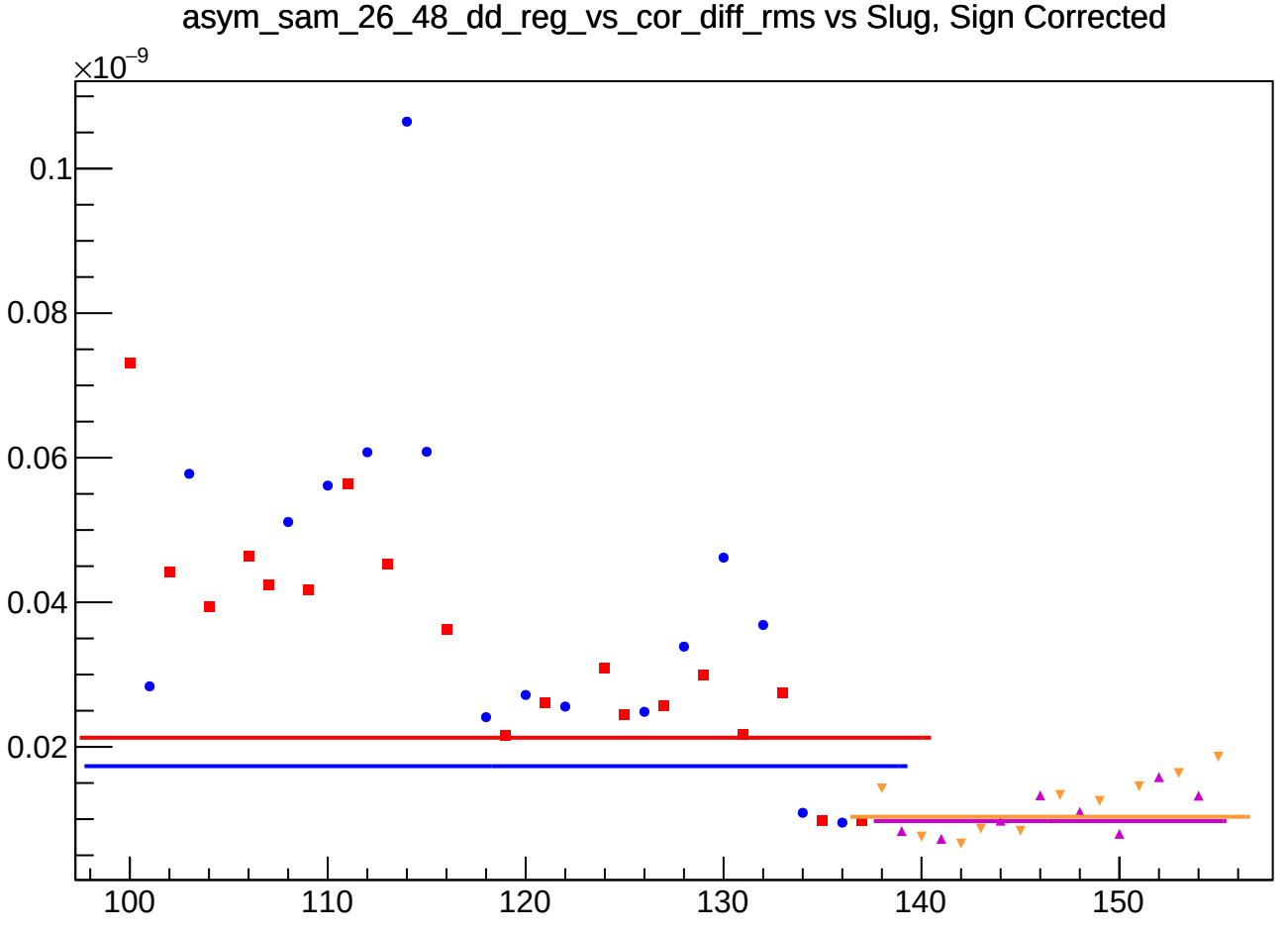
Left: -0.000+/-0.000 χ^2/NDF: 9.2/17

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:21.4/23

Out: -0.000+/-0.000 χ^2/NDF:23.5/28

All: -0.000+/-0.000 χ^2/NDF: 44.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:724260.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:344882.3/7

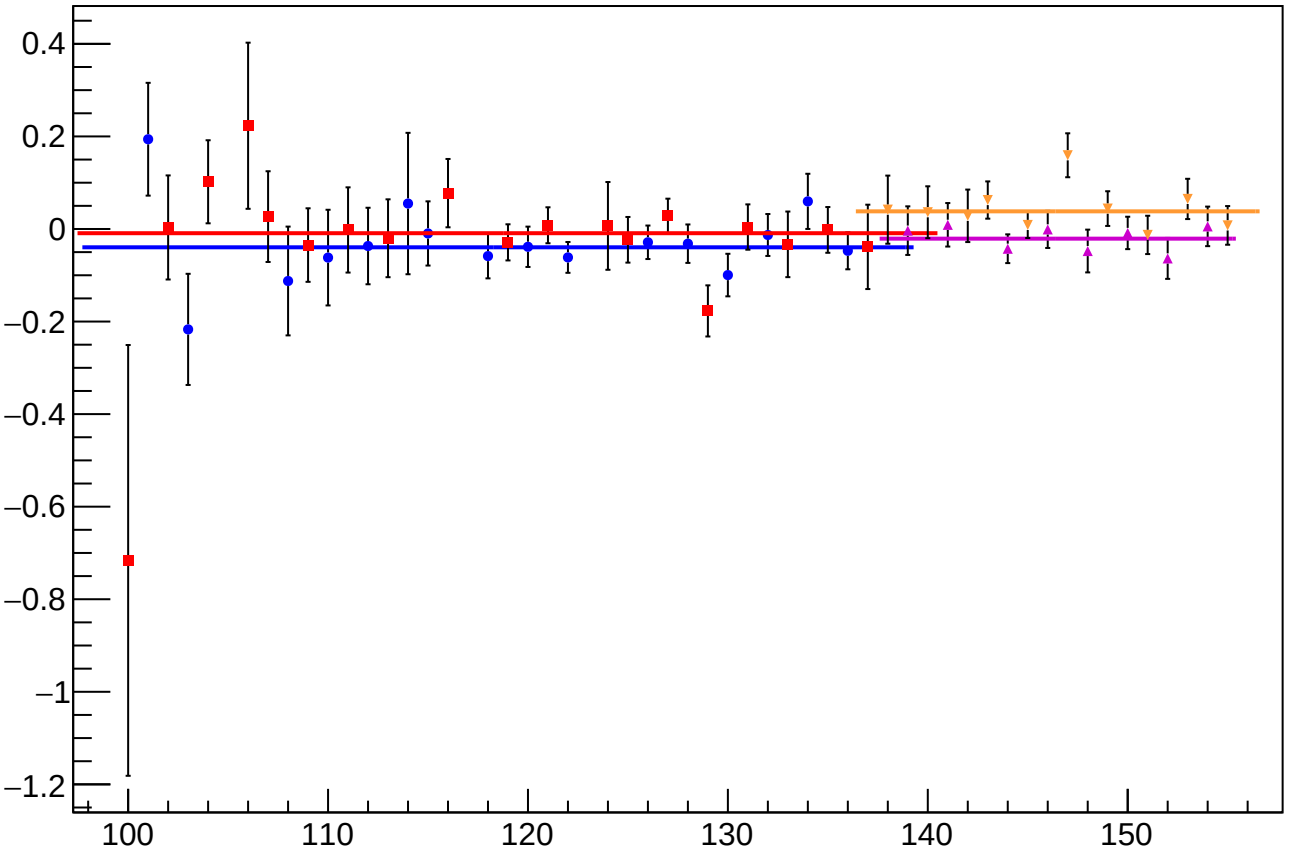
Left: 0.000+/-0.000 χ^2/NDF: 1079726.4/17

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3406271.6/23

Out: 0.000+/-0.000 χ^2/NDF:3520372.0/28

All: 0.000+/-0.000 χ^2/NDF: 6944387.6/52



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.013 χ^2/NDF:10.5/9

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.021+/-0.014 χ^2/NDF:3.0/7

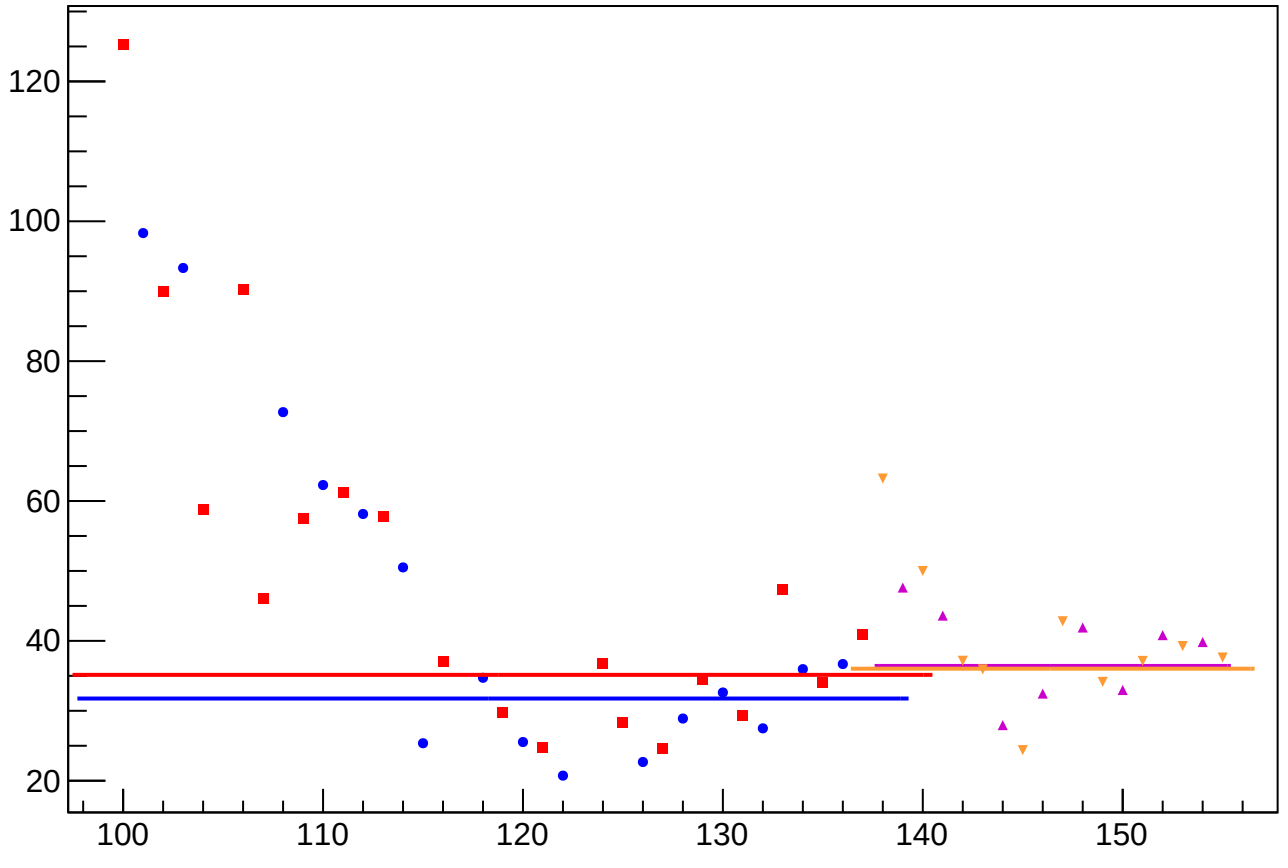
Left: 0.011+/-0.010 χ^2/NDF: 22.5/17

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.031+/-0.010 χ^2/NDF:16.4/23

Out: 0.016+/-0.010 χ^2/NDF:34.6/28

All: -0.008+/-0.007 χ^2/NDF: 62.5/52



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.022+/-0.010 χ^2/NDF:801453.3/9

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.415+/-0.010 χ^2/NDF:386018.5/7

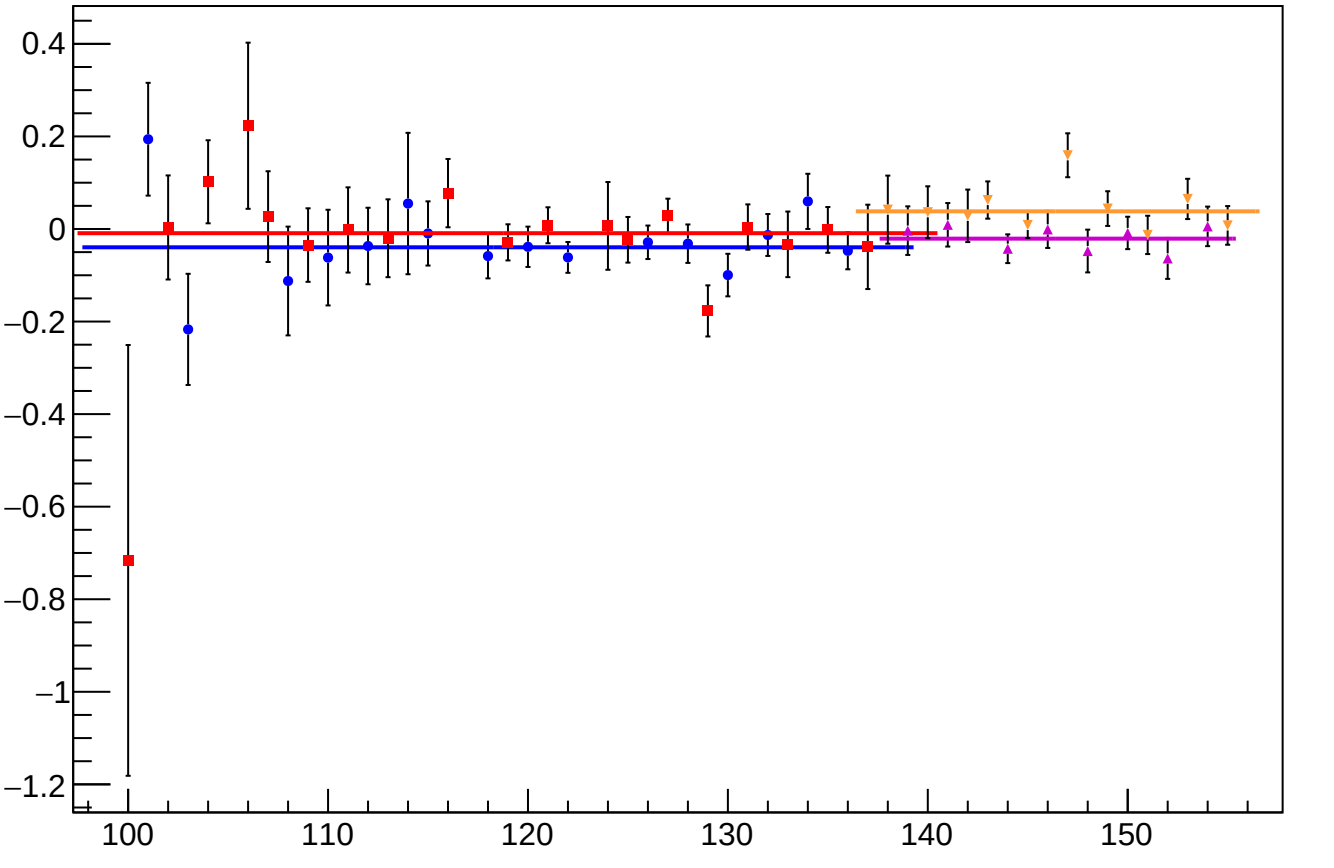
Left: 36.205+/-0.007 χ^2/NDF: 1188265.2/17

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.875+/-0.007 χ^2/NDF:2752402.3/23

Out: 35.604+/-0.007 χ^2/NDF:2650212.9/28

All: 34.736+/-0.005 χ^2/NDF: 5434167.7/52



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.013 χ^2/NDF:10.5/9

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.021+/-0.014 χ^2/NDF:3.0/7

Left: 0.011+/-0.010 χ^2/NDF: 22.5/17

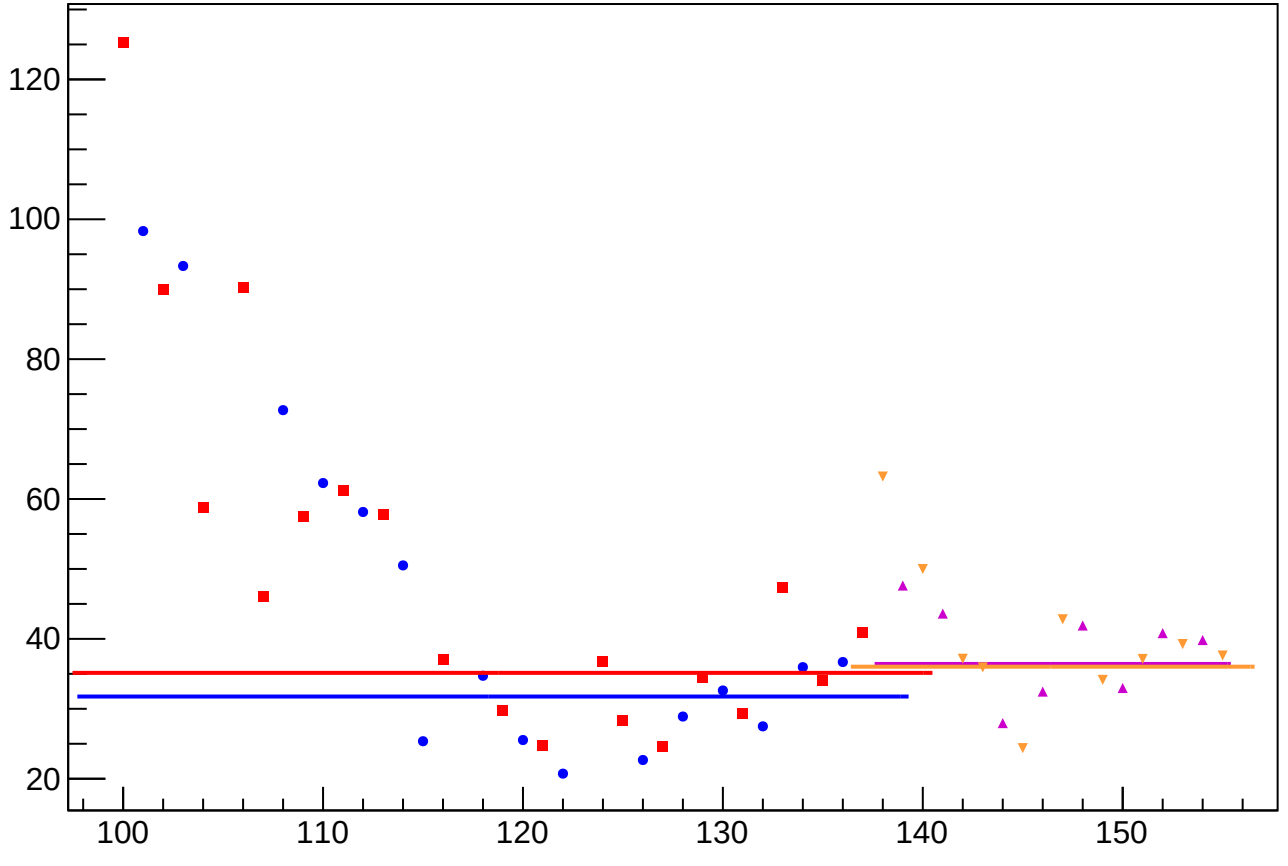
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.031+/-0.010 χ^2/NDF:16.4/23

Out: 0.016+/-0.010 χ^2/NDF:34.6/28

All: -0.008+/-0.007 χ^2/NDF: 62.5/52

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: 36.022+/-0.010 χ^2/NDF:801453.3/9

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.415+/-0.010 χ^2/NDF:386018.5/7

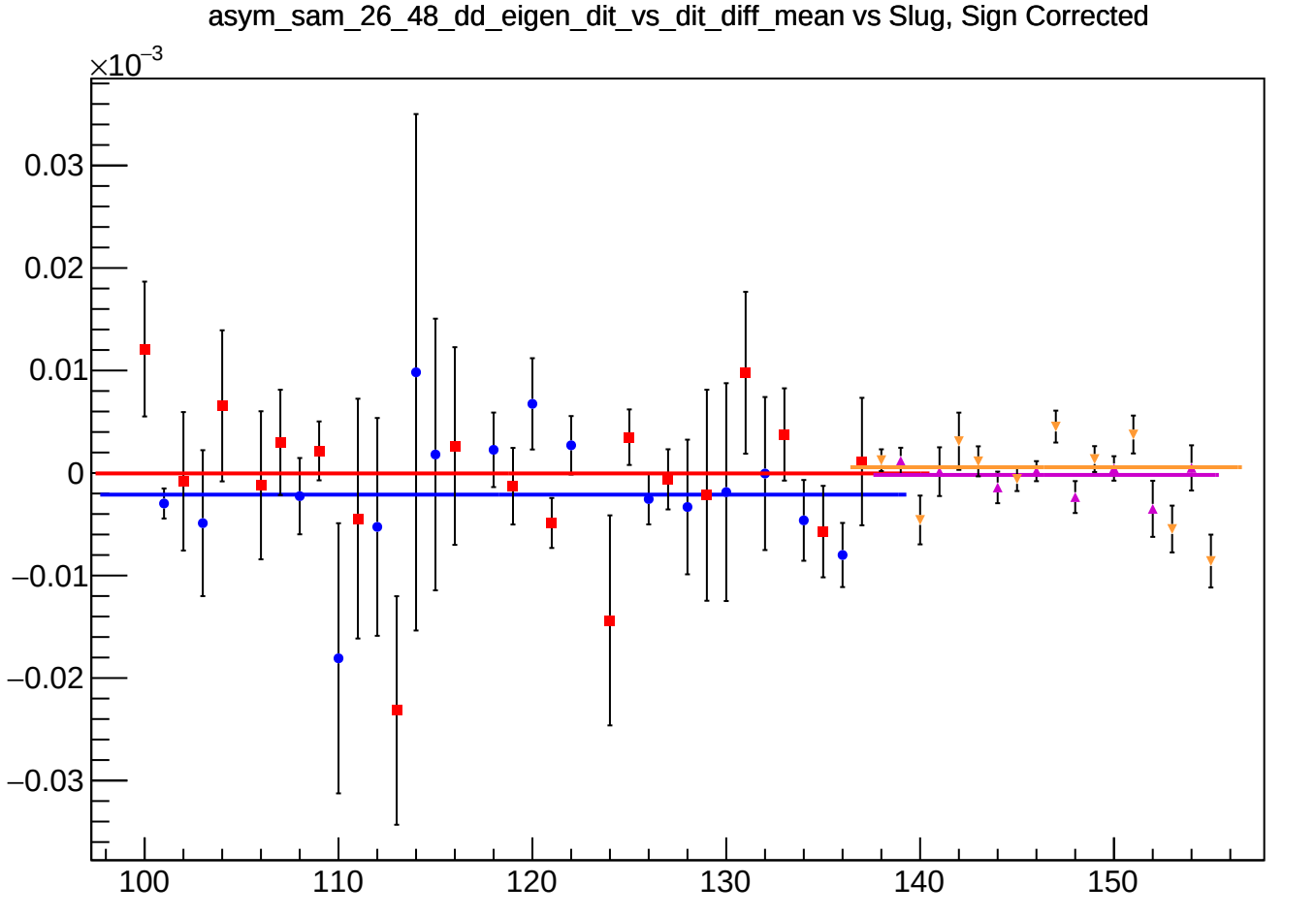
Left: 36.205+/-0.007 χ^2/NDF: 1188265.2/17

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.875+/-0.007 χ^2/NDF:2752402.3/23

Out: 35.604+/-0.007 χ^2/NDF:2650212.9/28

All: 34.736+/-0.005 χ^2/NDF: 5434167.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.5/9

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/7

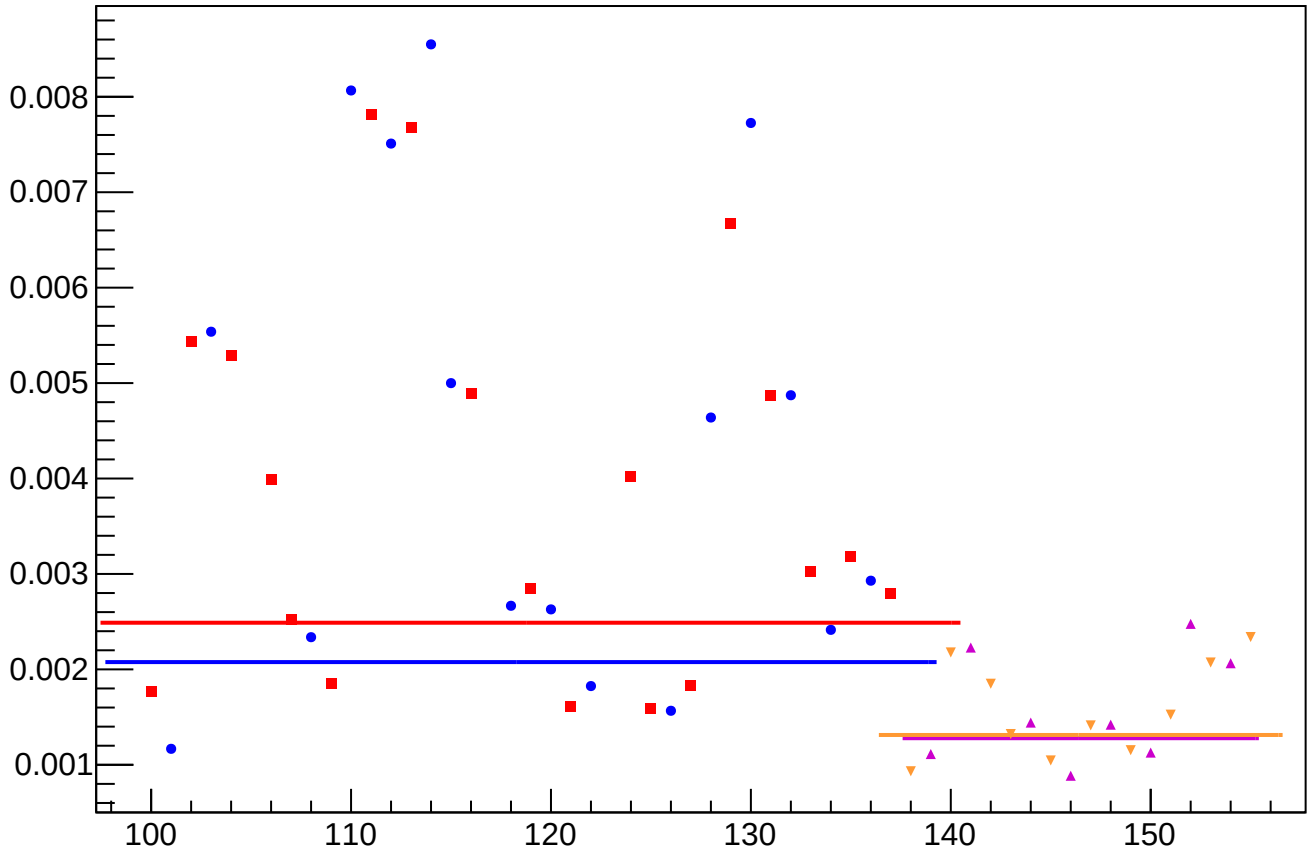
Left: 0.000+/-0.000 χ^2/NDF: 43.2/17

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:23.8/23

Out: 0.000+/-0.000 χ^2/NDF:58.1/28

All: -0.000+/-0.000 χ^2/NDF: 85.0/52



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1302724.9/9

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1385601.0/7

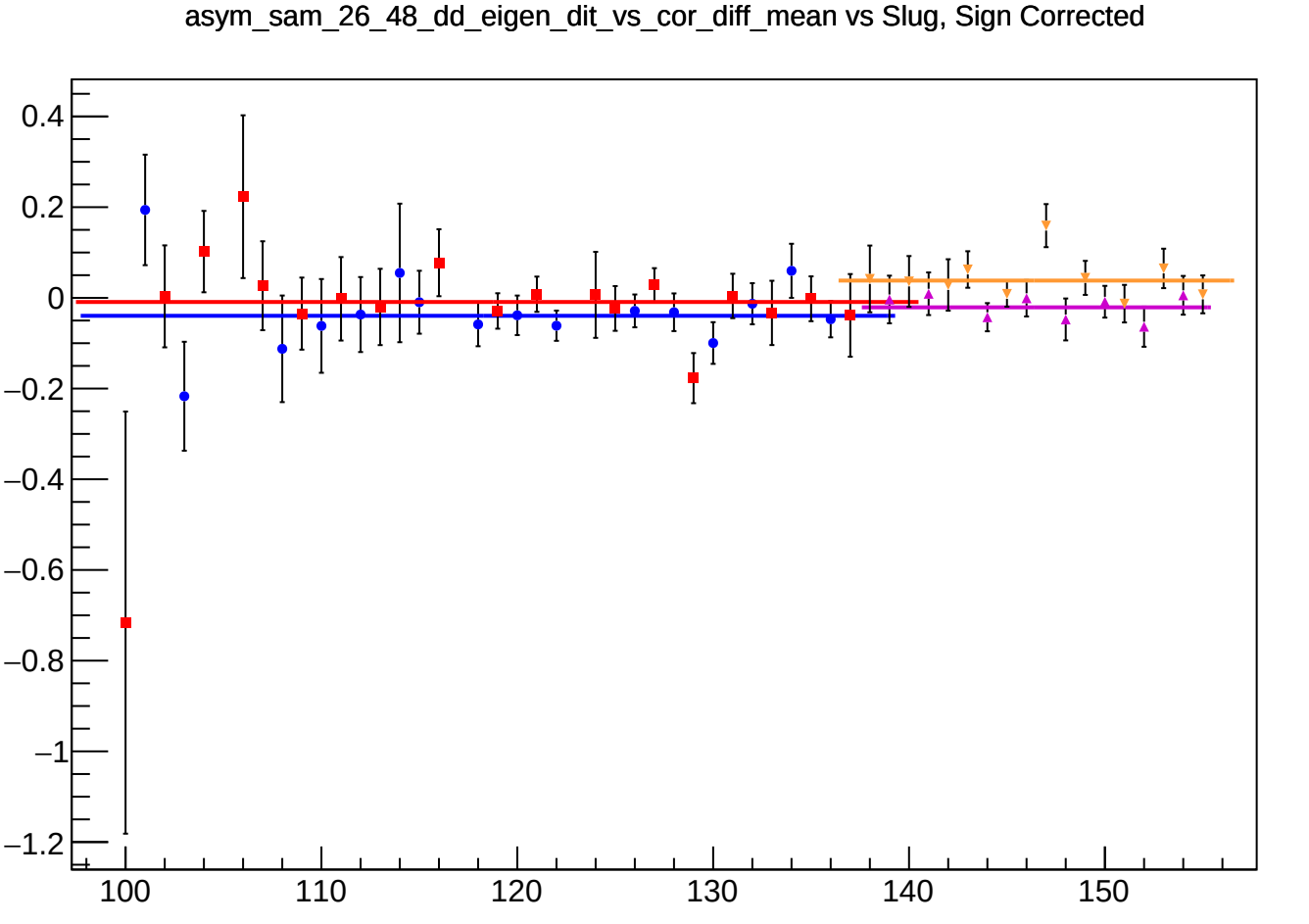
Left: 0.001+/-0.000 χ^2/NDF: 2692792.2/17

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:6462494.8/23

Out: 0.002+/-0.000 χ^2/NDF:6471106.4/28

All: 0.002+/-0.000 χ^2/NDF: 12948764.6/52



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.013 χ^2/NDF:10.5/9

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.021+/-0.014 χ^2/NDF:3.0/7

Left: 0.011+/-0.010 χ^2/NDF: 22.5/17

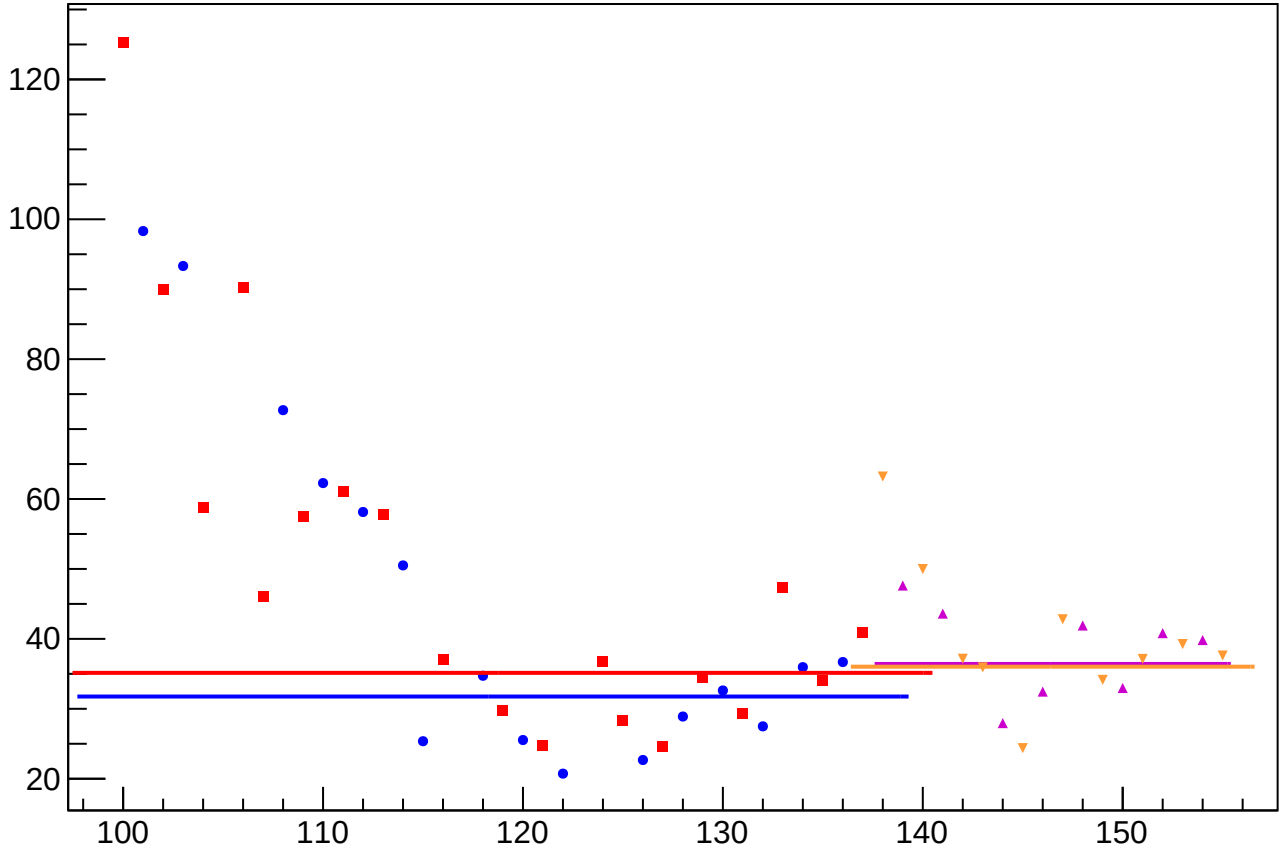
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.031+/-0.010 χ^2/NDF:16.4/23

Out: 0.016+/-0.010 χ^2/NDF:34.6/28

All: -0.008+/-0.007 χ^2/NDF: 62.5/52

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: 36.022+/-0.010 χ^2/NDF:801496.9/9

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.415+/-0.010 χ^2/NDF:386020.5/7

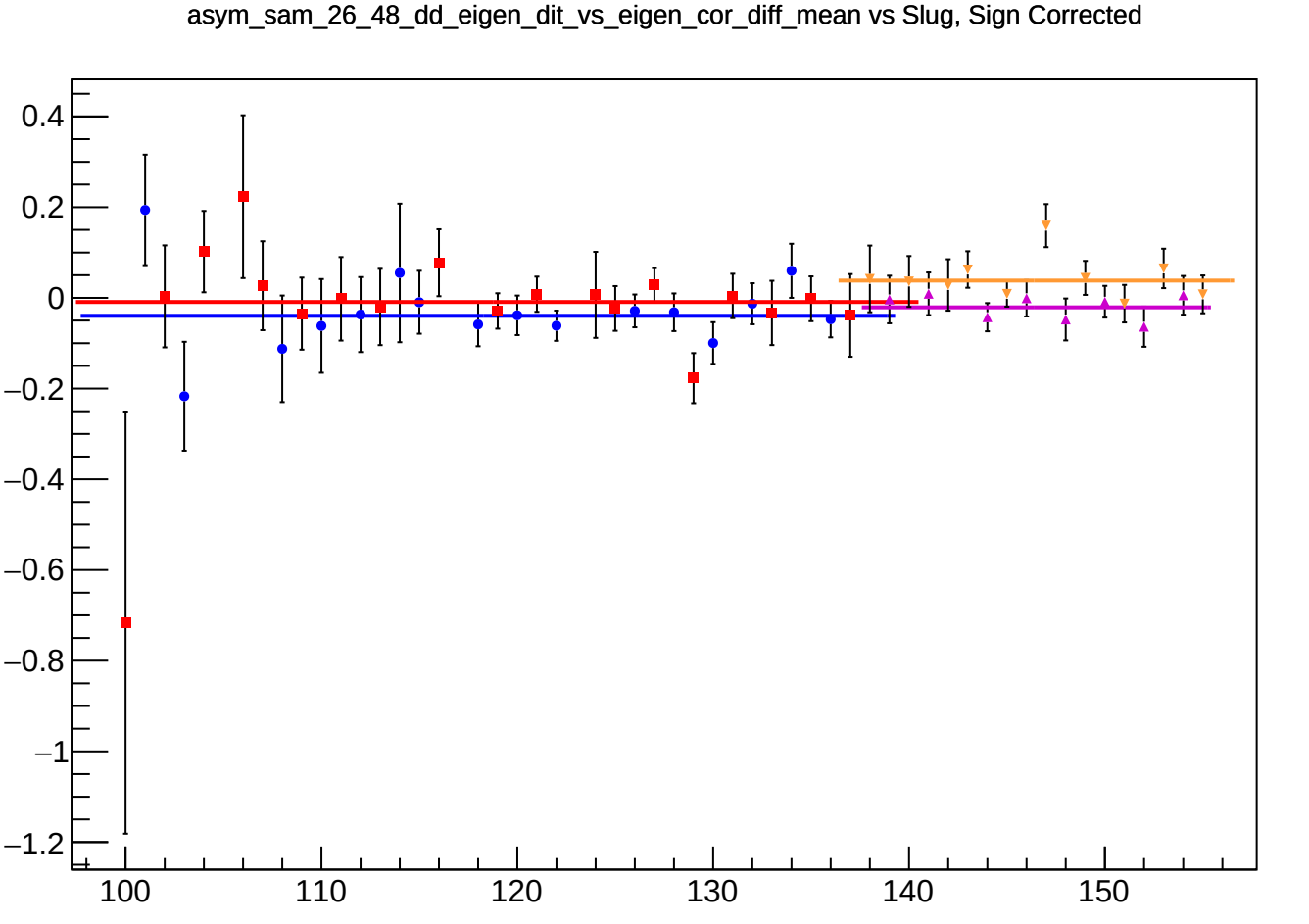
Left: 36.205+/-0.007 χ^2/NDF: 1188311.2/17

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.875+/-0.007 χ^2/NDF:2752362.9/23

Out: 35.604+/-0.007 χ^2/NDF:2650147.7/28

All: 34.736+/-0.005 χ^2/NDF: 5434061.1/52



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.038+/-0.013 χ^2/NDF:10.5/9

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.021+/-0.014 χ^2/NDF:3.0/7

Left: 0.011+/-0.010 χ^2/NDF: 22.5/17

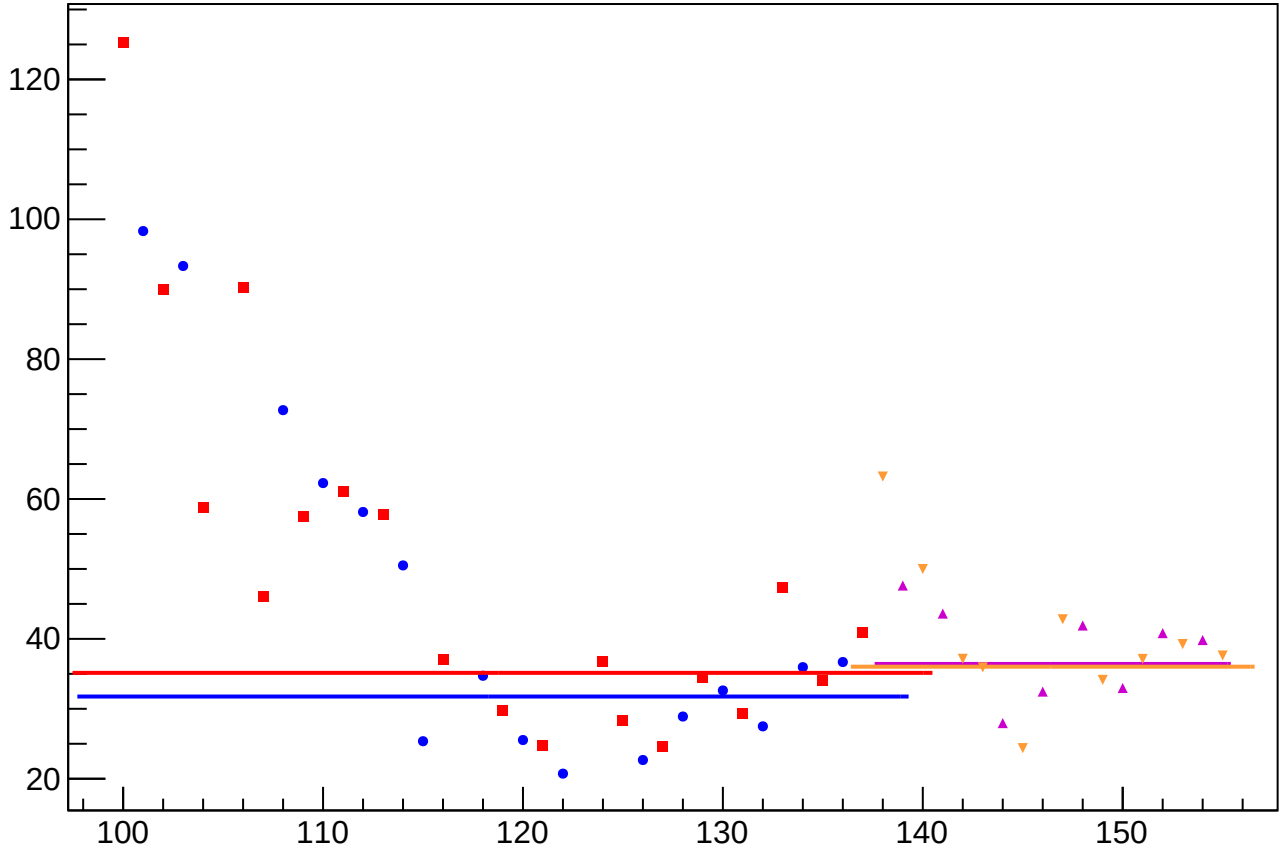
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.031+/-0.010 χ^2/NDF:16.4/23

Out: 0.016+/-0.010 χ^2/NDF:34.6/28

All: -0.008+/-0.007 χ^2/NDF: 62.5/52

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: 36.022+/-0.010 χ^2/NDF:801496.9/9

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.415+/-0.010 χ^2/NDF:386020.5/7

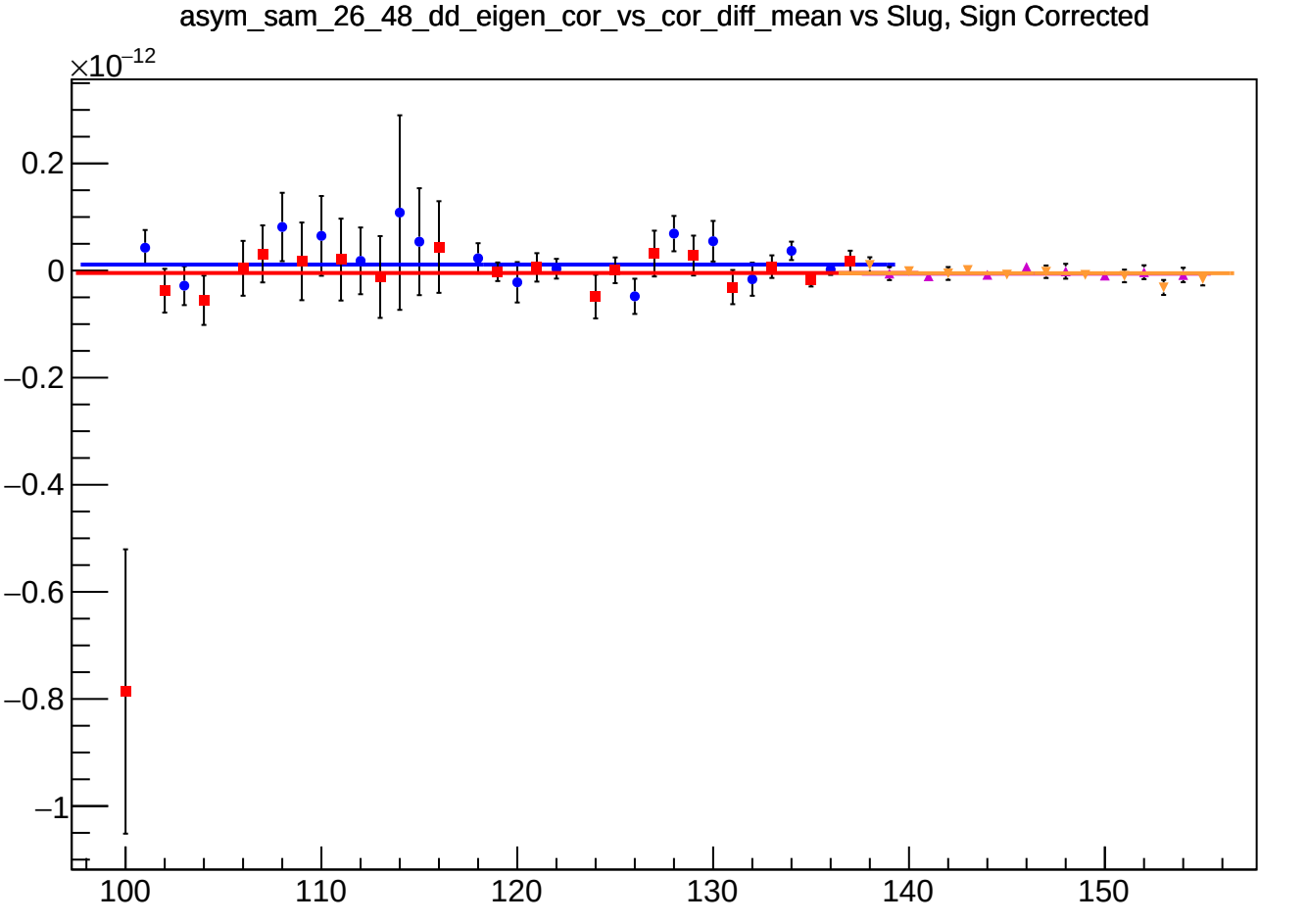
Left: 36.205+/-0.007 χ^2/NDF: 1188311.2/17

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.875+/-0.007 χ^2/NDF:2752362.9/23

Out: 35.604+/-0.007 χ^2/NDF:2650147.7/28

All: 34.736+/-0.005 χ^2/NDF: 5434061.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/7

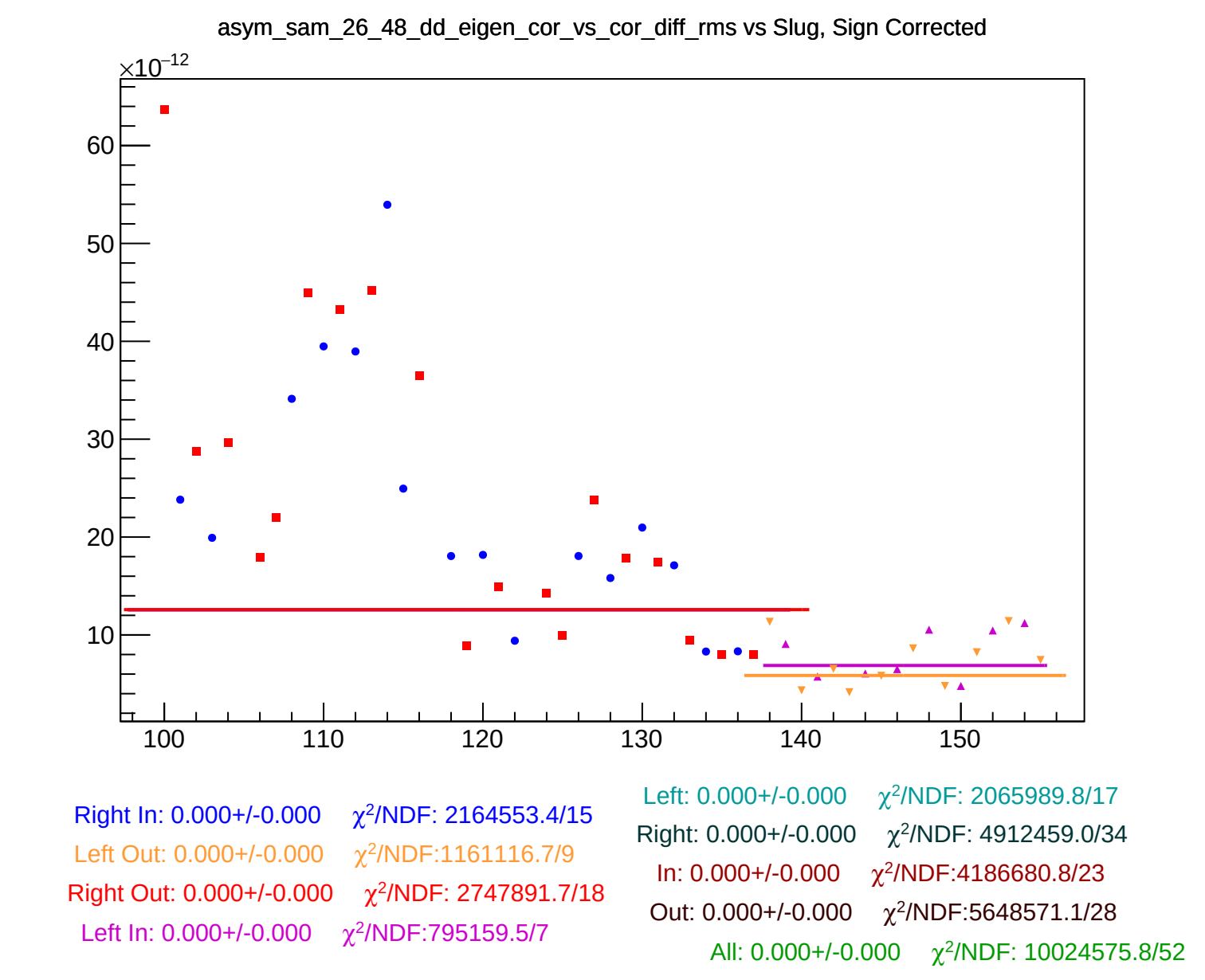
Left: -0.000+/-0.000 χ^2/NDF: 10.4/17

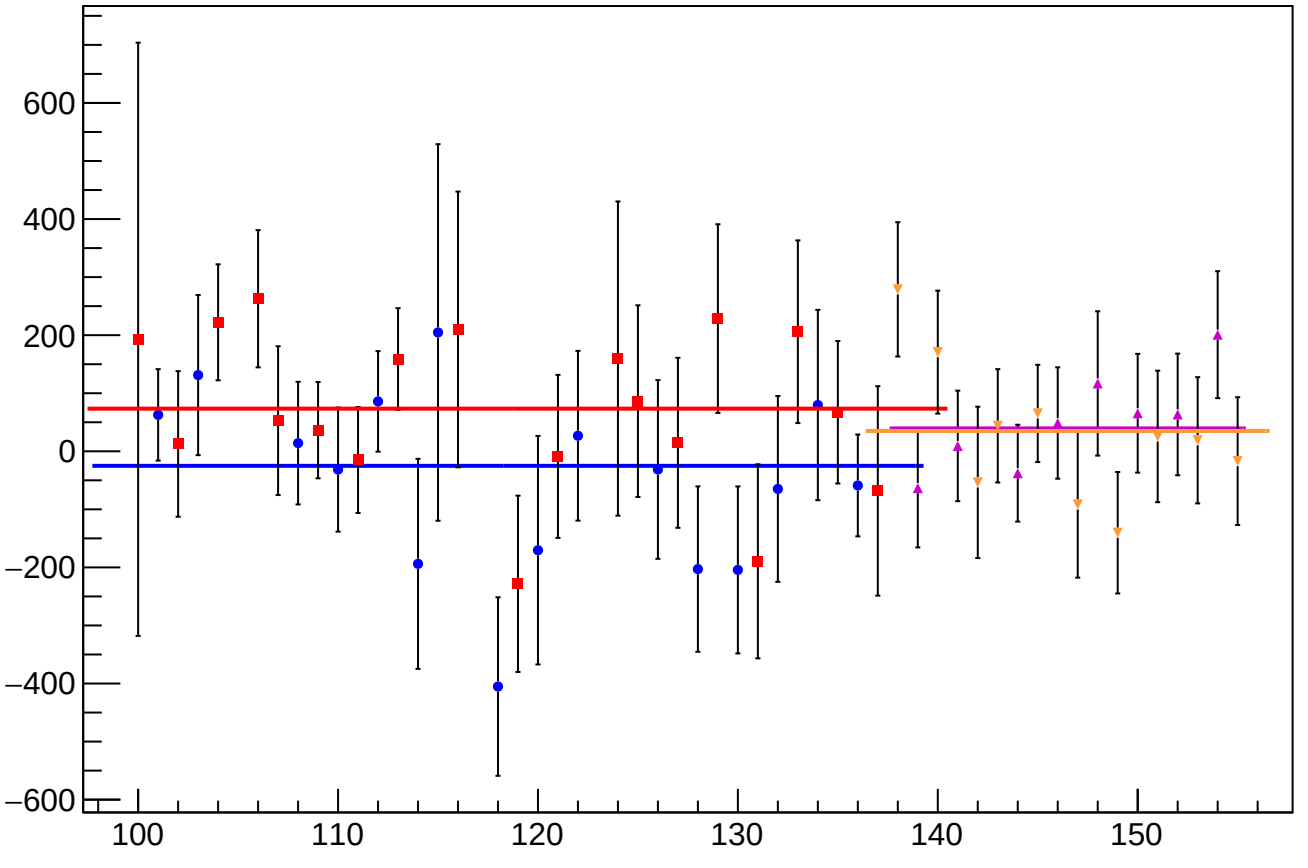
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:25.3/23

Out: -0.000+/-0.000 χ^2/NDF:24.9/28

All: -0.000+/-0.000 χ^2/NDF: 50.7/52


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:1161116.7/9
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:795159.5/7
Left: 0.000+/-0.000 χ²/NDF: 2065989.8/17
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4186680.8/23
Out: 0.000+/-0.000 χ²/NDF:5648571.1/28
All: 0.000+/-0.000 χ²/NDF: 10024575.8/52



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 34.992+/-33.907 χ^2/NDF:10.8/9

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 39.382+/-35.496 χ^2/NDF:4.7/7

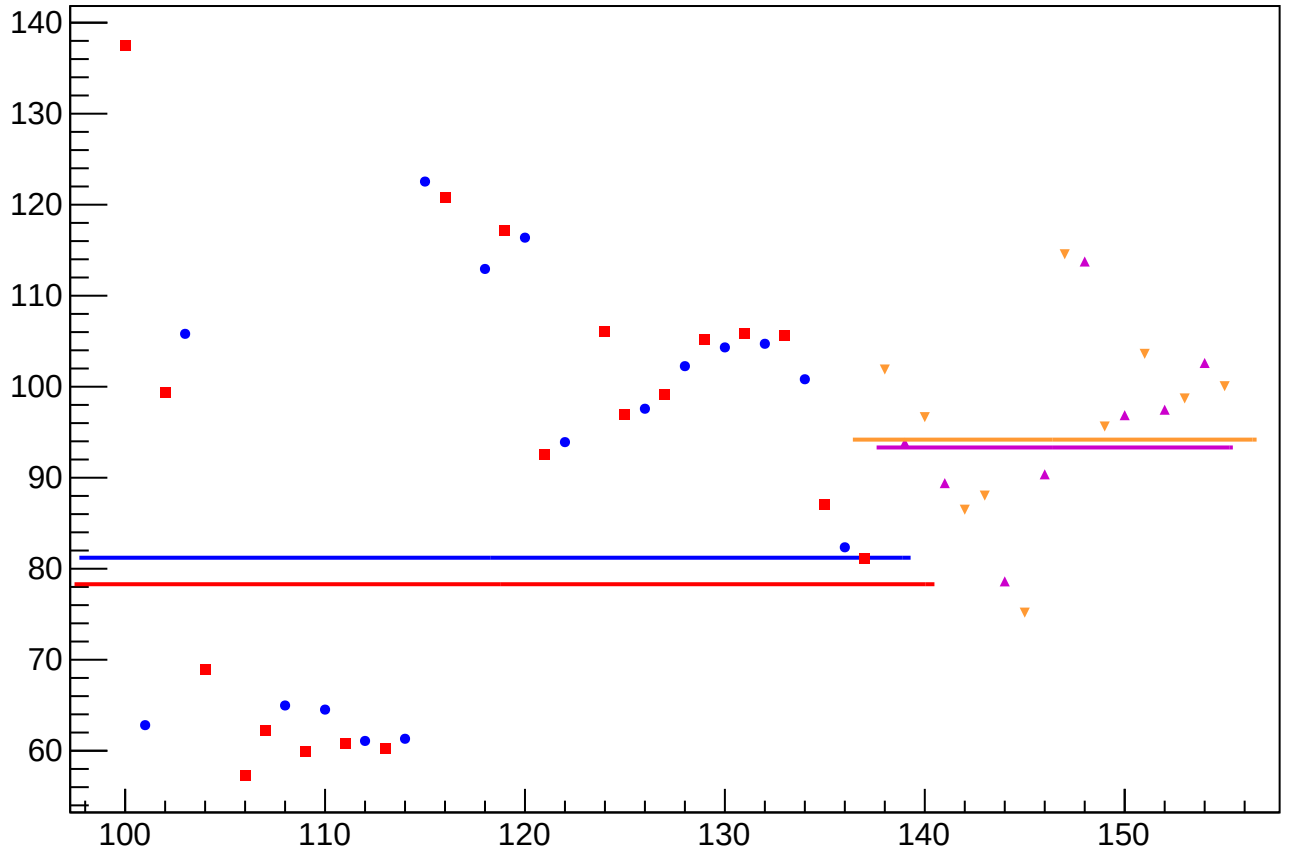
Left: 37.086+/-24.518 χ^2/NDF: 15.4/17

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 3.051+/-23.447 χ^2/NDF:22.7/23

Out: 56.609+/-22.441 χ^2/NDF:28.3/28

All: 31.004+/-16.212 χ^2/NDF: 53.7/52



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 94.187+/-0.024 χ^2/NDF:203583.4/9

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 93.323+/-0.025 χ^2/NDF:141584.5/7

Left: 93.775+/-0.017 χ^2/NDF: 345786.5/17

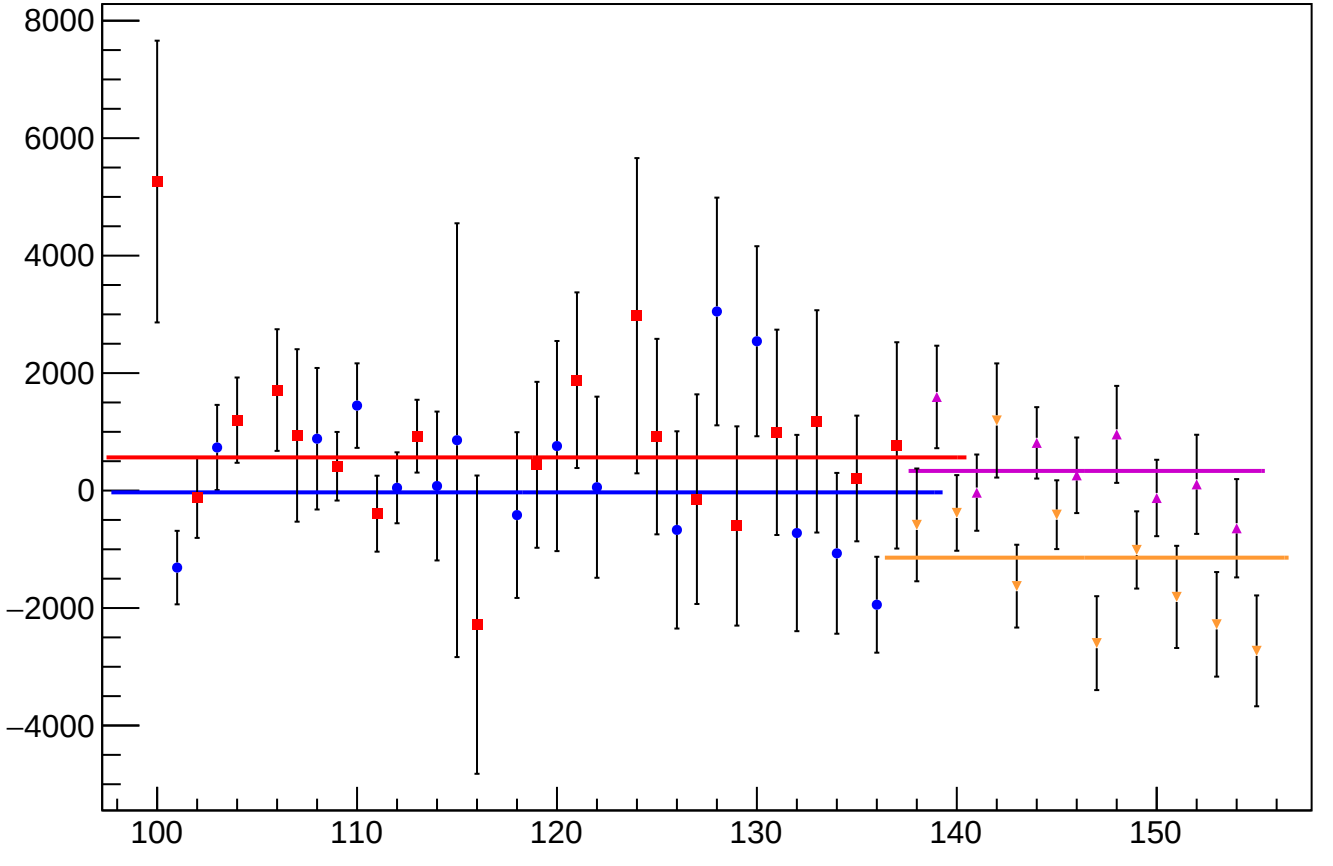
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 86.495+/-0.017 χ^2/NDF:1060562.4/23

Out: 85.258+/-0.016 χ^2/NDF:1385067.4/28

All: 85.849+/-0.011 χ^2/NDF: 2448537.6/52

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: -1142.291+/-242.071 χ^2/NDF:17.9/9

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 334.490+/-254.243 χ^2/NDF:5.5/7

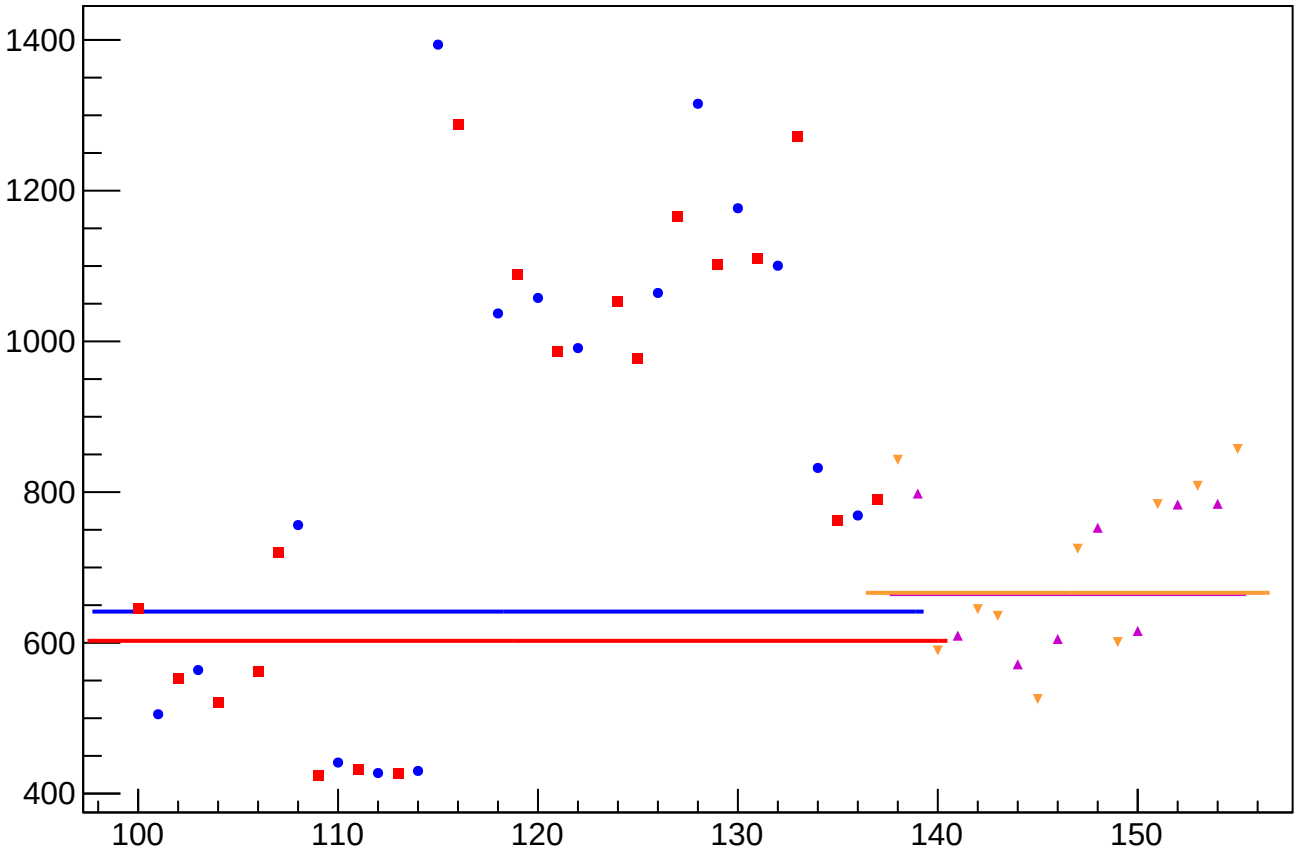
Left: -440.096+/-175.315 χ^2/NDF: 41.2/17

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 154.009+/-180.743 χ^2/NDF:28.4/23

Out: -275.987+/-169.891 χ^2/NDF:56.5/28

All: -74.285+/-123.790 χ^2/NDF: 87.9/52



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 666.381+/-0.171 χ^2/NDF:416014.5/9

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 664.708+/-0.180 χ^2/NDF:240103.6/7

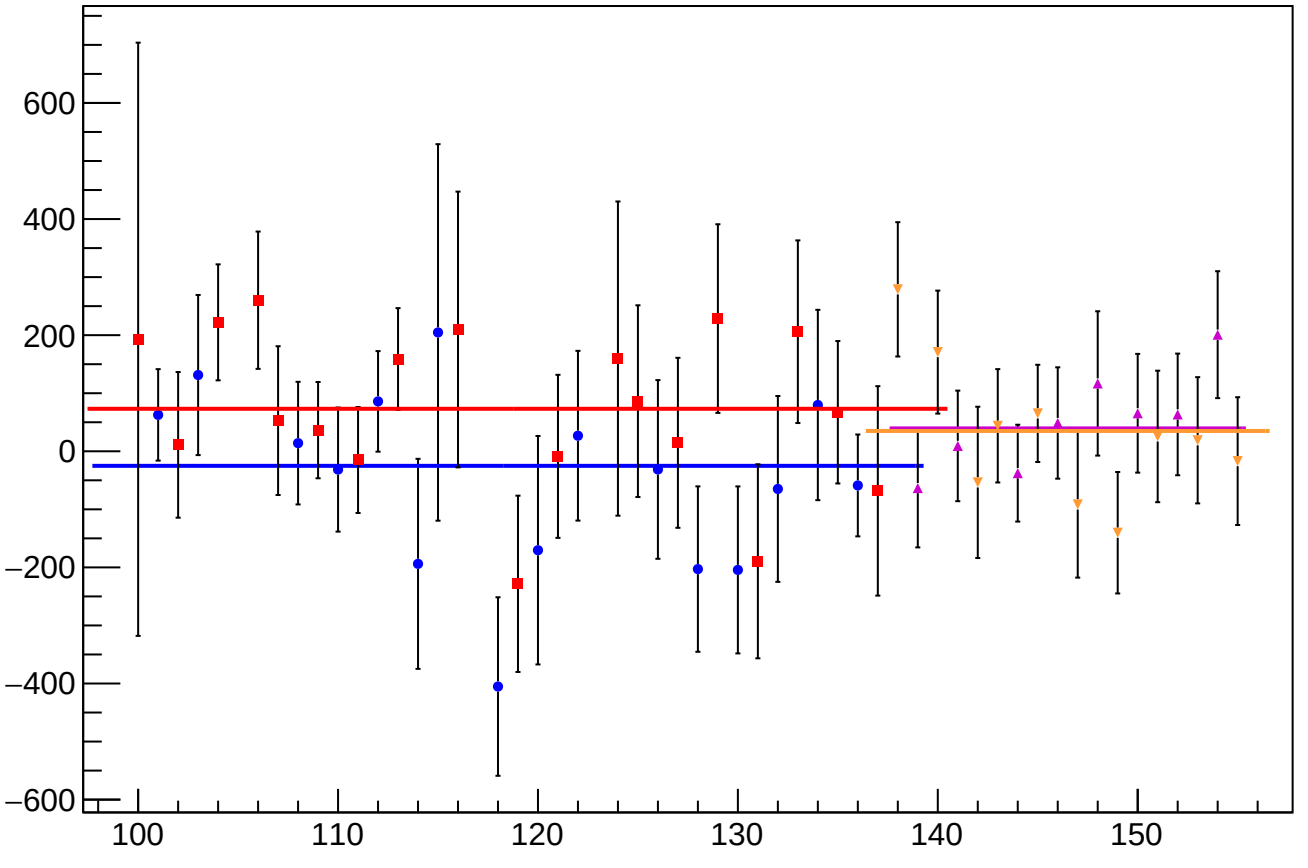
Left: 665.586+/-0.124 χ^2/NDF: 656163.5/17

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 653.229+/-0.128 χ^2/NDF:2123338.4/23

Out: 634.043+/-0.120 χ^2/NDF:2556659.3/28

All: 643.042+/-0.088 χ^2/NDF: 4691962.4/52



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 34.998+/-33.907 χ^2/NDF:10.8/9

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 39.381+/-35.496 χ^2/NDF:4.7/7

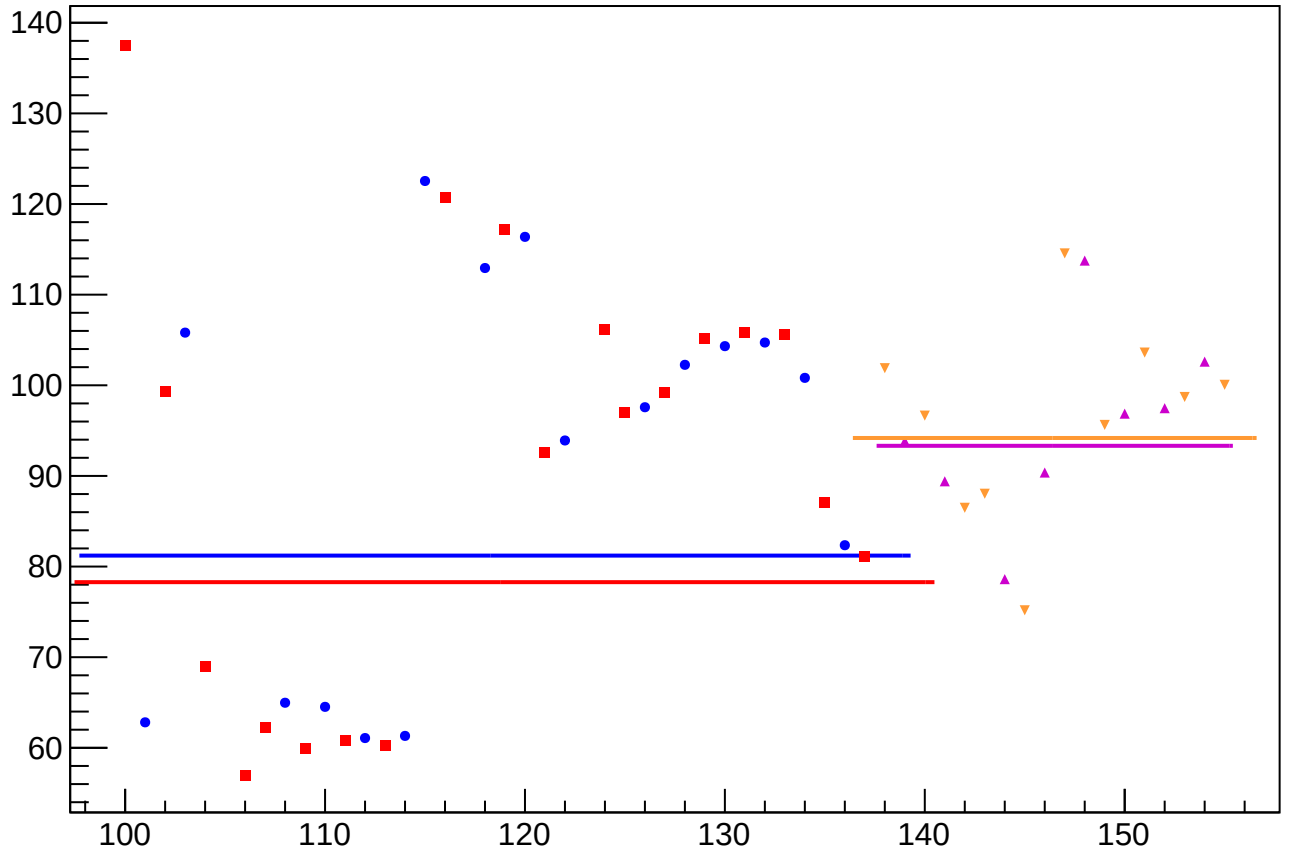
Left: 37.089+/-24.518 χ^2/NDF: 15.4/17

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 3.049+/-23.447 χ^2/NDF:22.7/23

Out: 56.461+/-22.441 χ^2/NDF:28.2/28

All: 30.925+/-16.212 χ^2/NDF: 53.6/52



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 94.187+/-0.024 χ^2/NDF:203583.4/9

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 93.323+/-0.025 χ^2/NDF:141584.5/7

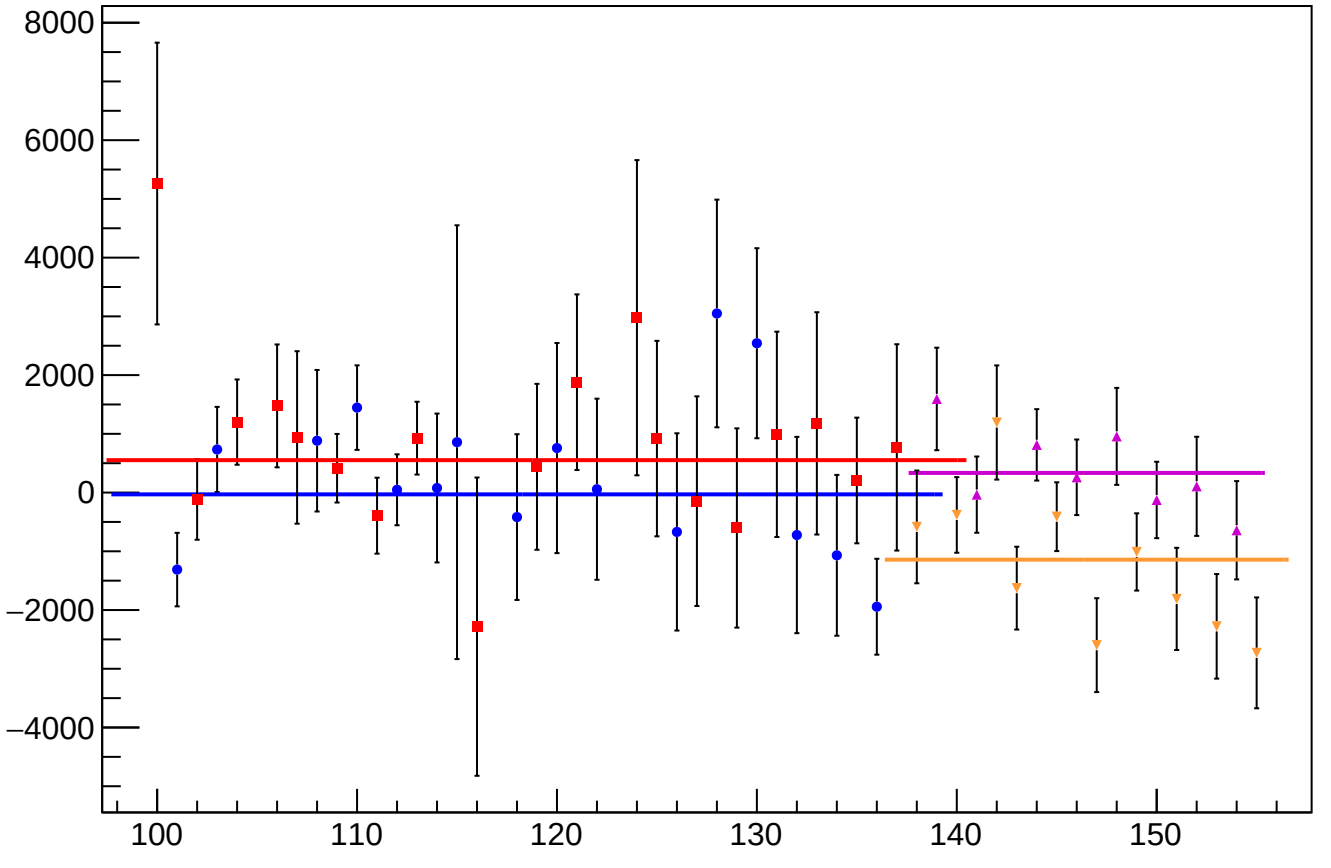
Left: 93.775+/-0.017 χ^2/NDF: 345786.5/17

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 86.495+/-0.017 χ^2/NDF:1060564.3/23

Out: 85.248+/-0.016 χ^2/NDF:1387772.0/28

All: 85.844+/-0.011 χ^2/NDF: 2451291.4/52



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1142.286+/-242.071 χ^2/NDF:17.9/9

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 334.495+/-254.243 χ^2/NDF:5.5/7

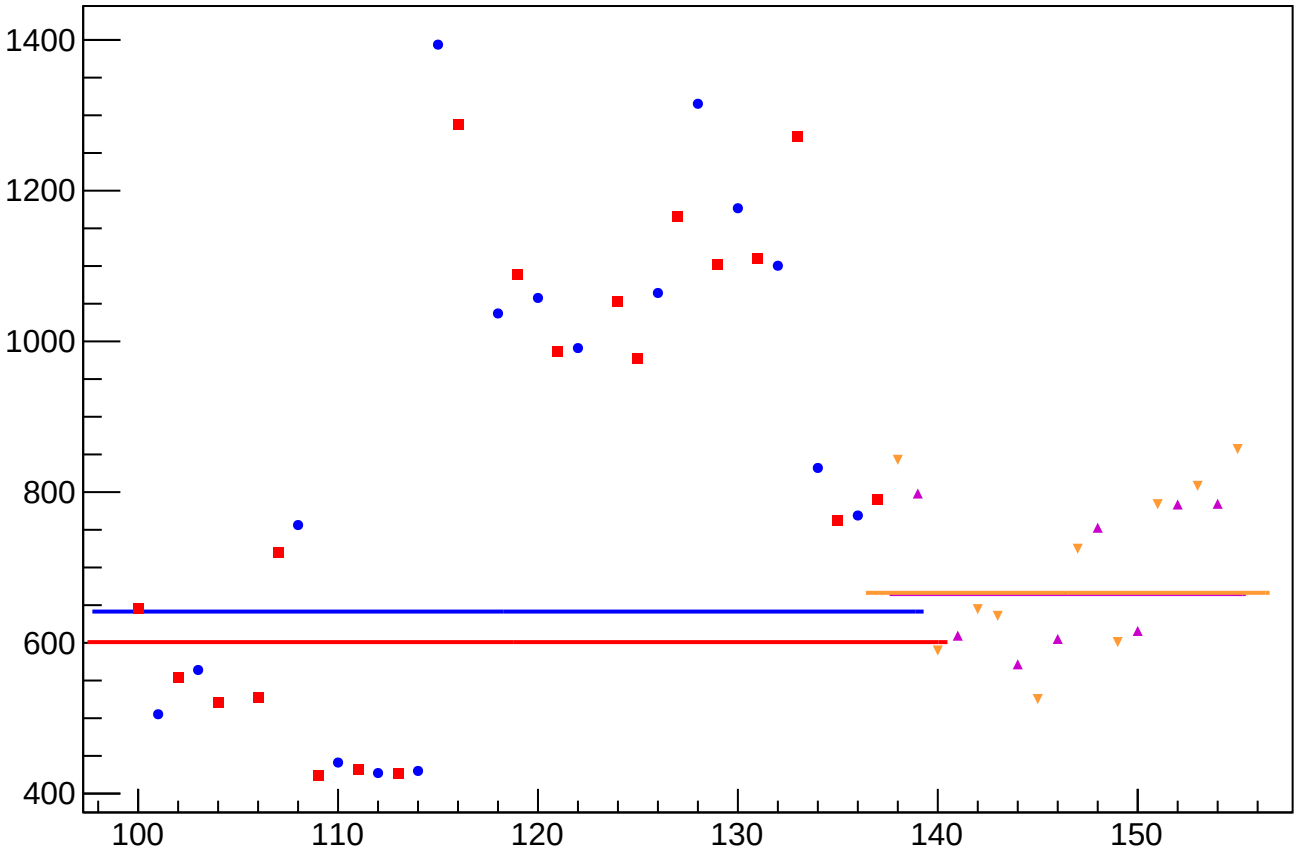
Left: -440.091+/-175.315 χ^2/NDF: 41.2/17

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 154.000+/-180.745 χ^2/NDF:28.4/23

Out: -283.077+/-169.944 χ^2/NDF:55.6/28

All: -77.987+/-123.811 χ^2/NDF: 87.1/52



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 666.381+/-0.171 χ^2/NDF:416016.4/9

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 664.709+/-0.180 χ^2/NDF:240102.0/7

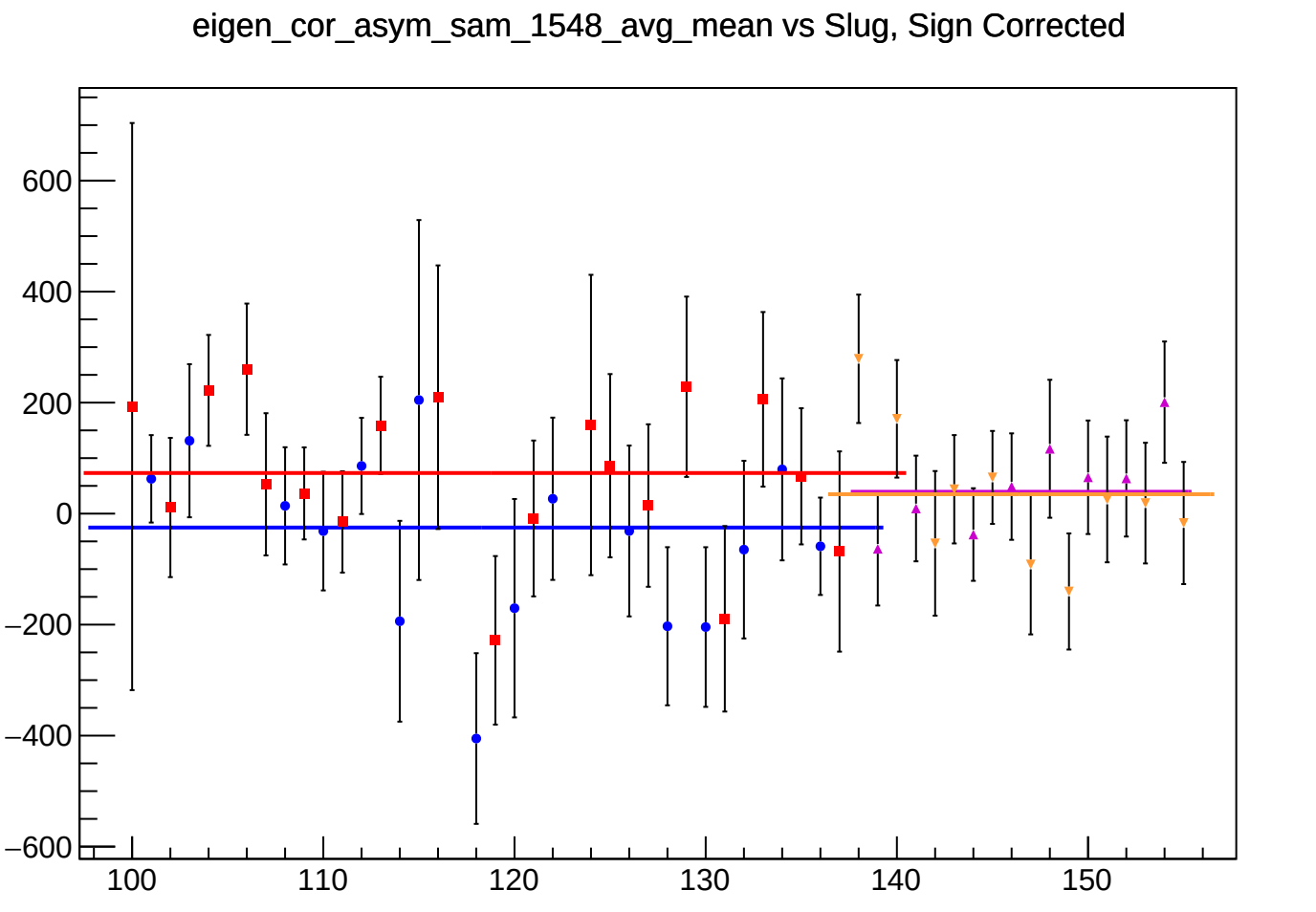
Left: 665.586+/-0.124 χ^2/NDF: 656163.7/17

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 653.233+/-0.128 χ^2/NDF:2123289.7/23

Out: 633.211+/-0.120 χ^2/NDF:2567294.0/28

All: 642.606+/-0.088 χ^2/NDF: 4703609.8/52



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 34.998+/-33.907 χ^2/NDF:10.8/9

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 39.381+/-35.496 χ^2/NDF:4.7/7

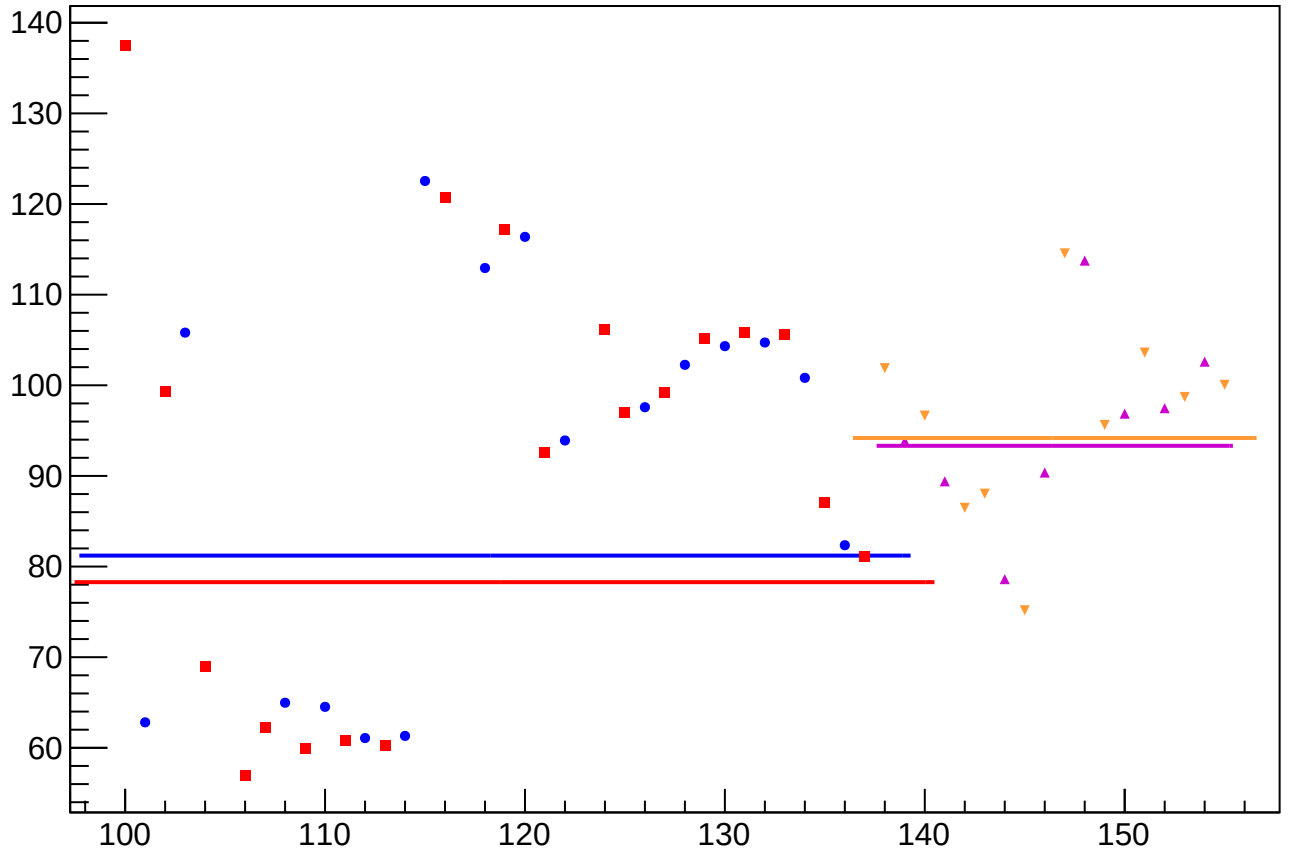
Left: 37.089+/-24.518 χ^2/NDF: 15.4/17

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 3.049+/-23.447 χ^2/NDF:22.7/23

Out: 56.461+/-22.441 χ^2/NDF:28.2/28

All: 30.925+/-16.212 χ^2/NDF: 53.6/52



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 94.187+/-0.024 χ^2/NDF:203583.4/9

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 93.323+/-0.025 χ^2/NDF:141584.5/7

Left: 93.775+/-0.017 χ^2/NDF: 345786.5/17

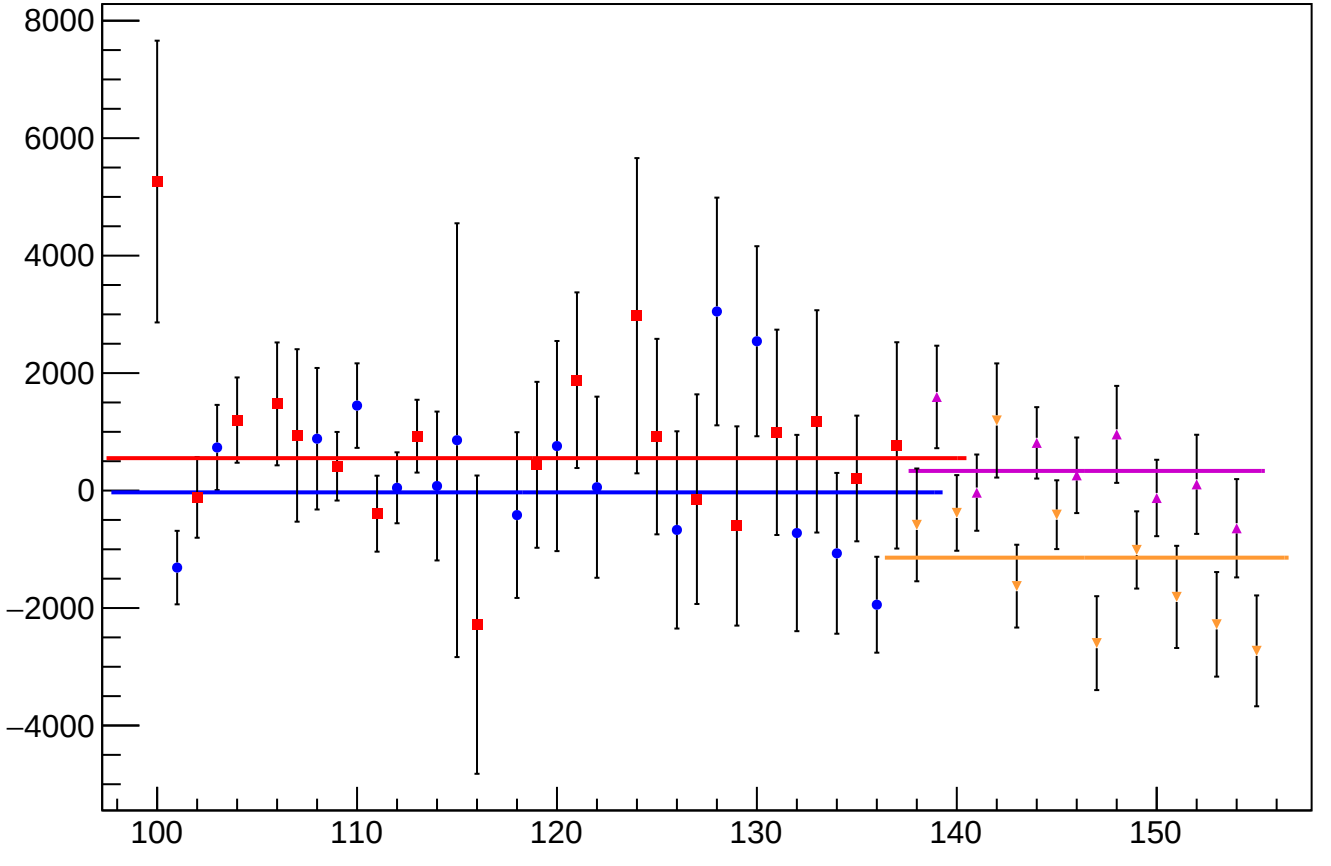
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 86.495+/-0.017 χ^2/NDF:1060564.3/23

Out: 85.248+/-0.016 χ^2/NDF:1387772.0/28

All: 85.844+/-0.011 χ^2/NDF: 2451291.4/52

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: -1142.286+/-242.071 χ^2/NDF:17.9/9

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 334.495+/-254.243 χ^2/NDF:5.5/7

Left: -440.091+/-175.315 χ^2/NDF: 41.2/17

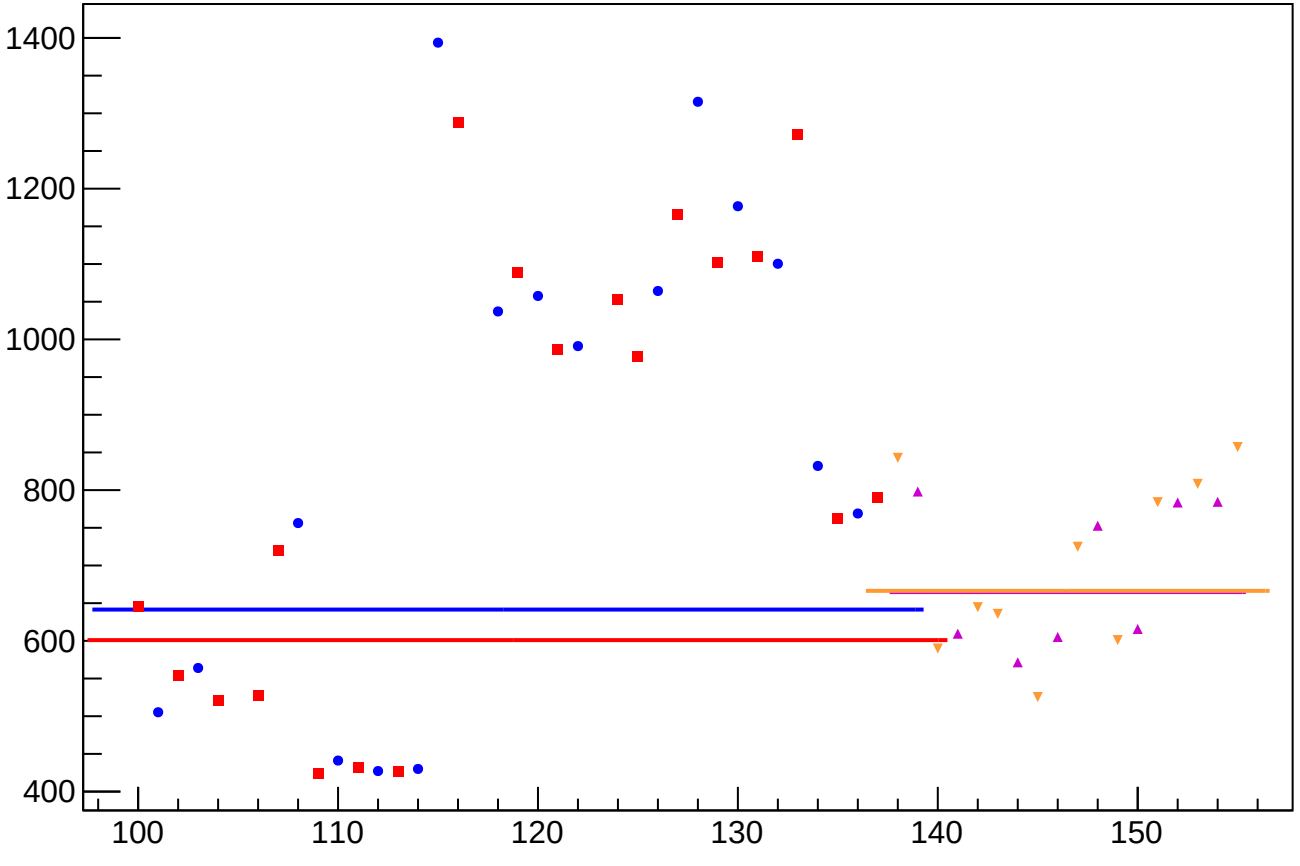
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 154.000+/-180.745 χ^2/NDF:28.4/23

Out: -283.077+/-169.944 χ^2/NDF:55.6/28

All: -77.987+/-123.811 χ^2/NDF: 87.1/52

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: 666.381+/-0.171 χ^2/NDF:416016.4/9

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 664.709+/-0.180 χ^2/NDF:240102.0/7

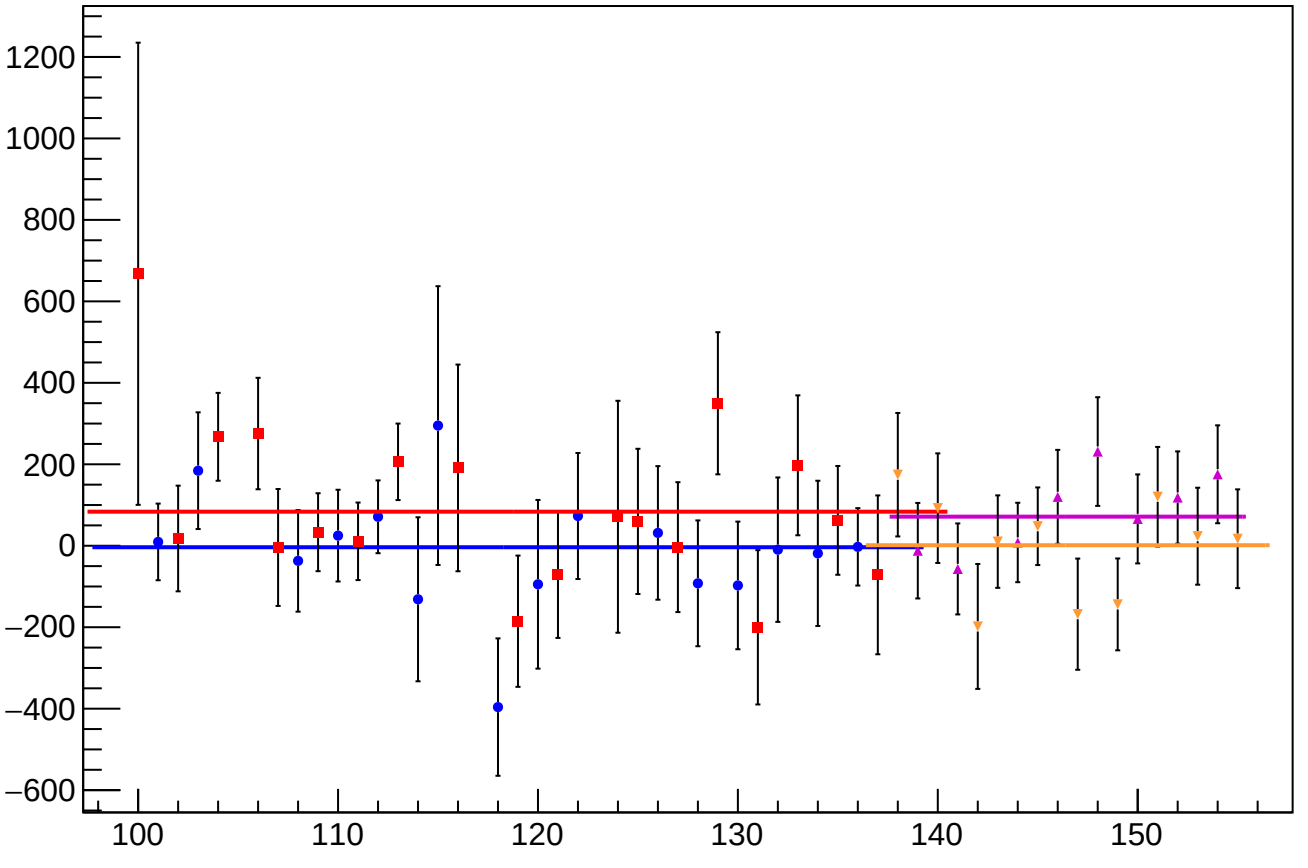
Left: 665.586+/-0.124 χ^2/NDF: 656163.7/17

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 653.233+/-0.128 χ^2/NDF:2123289.7/23

Out: 633.211+/-0.120 χ^2/NDF:2567294.0/28

All: 642.606+/-0.088 χ^2/NDF: 4703609.8/52



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 1.329+/-38.723 χ^2/NDF:7.9/9

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 71.446+/-40.144 χ^2/NDF:4.8/7

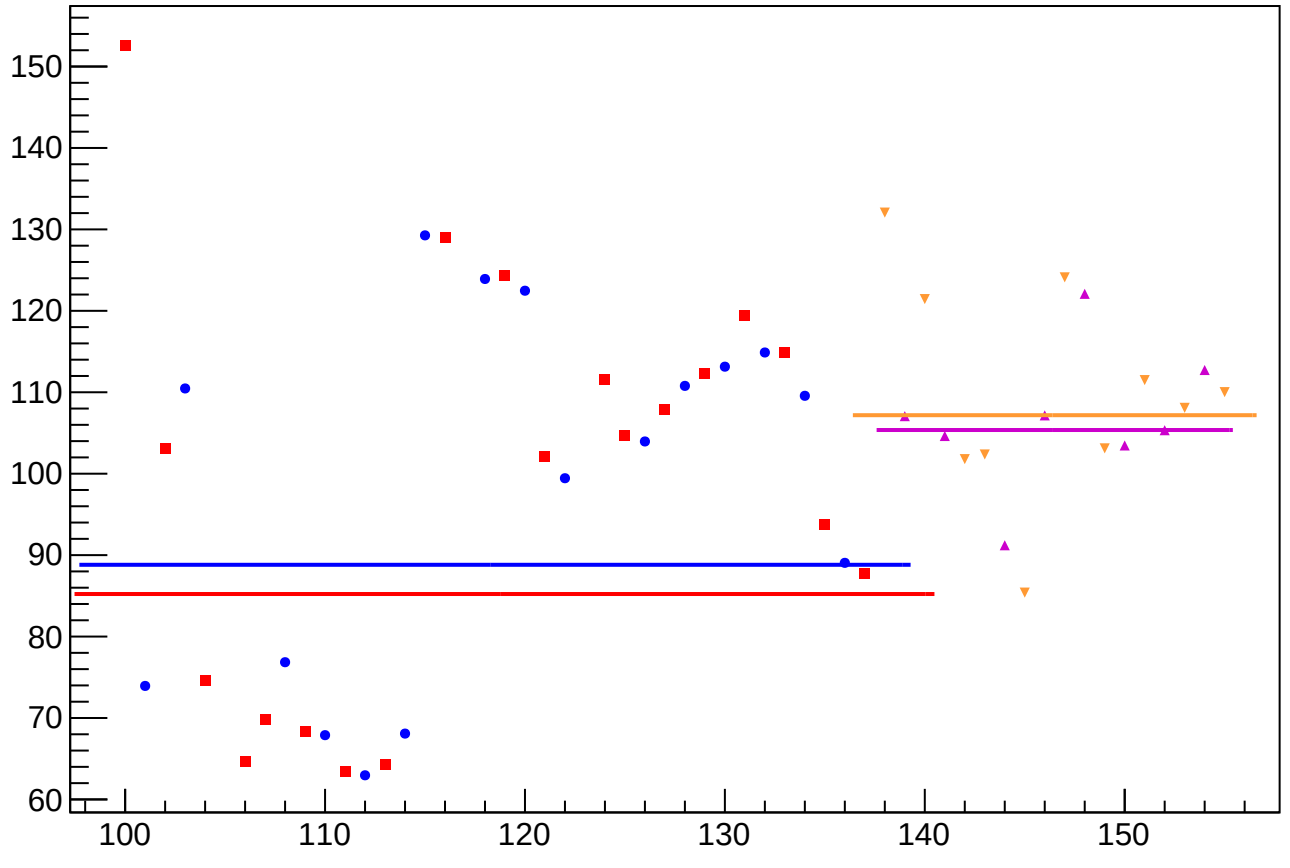
Left: 35.125+/-27.870 χ^2/NDF: 14.3/17

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 27.890+/-26.012 χ^2/NDF:17.2/23

Out: 49.481+/-24.954 χ^2/NDF:29.6/28

All: 39.134+/-18.007 χ^2/NDF: 47.1/52



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 107.184+/-0.027 χ^2/NDF:224062.8/9

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 105.365+/-0.028 χ^2/NDF:82706.7/7

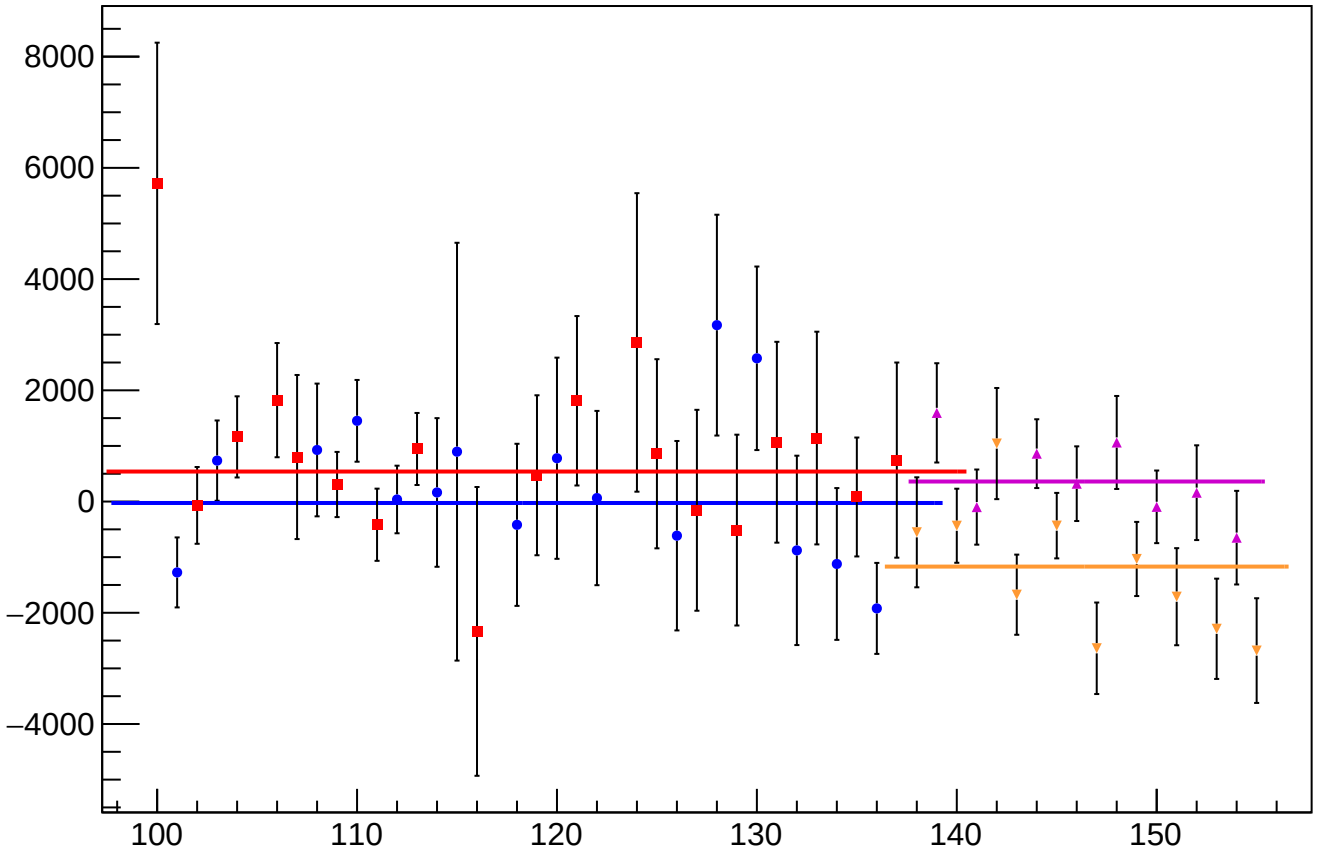
Left: 106.307+/-0.020 χ^2/NDF: 308896.4/17

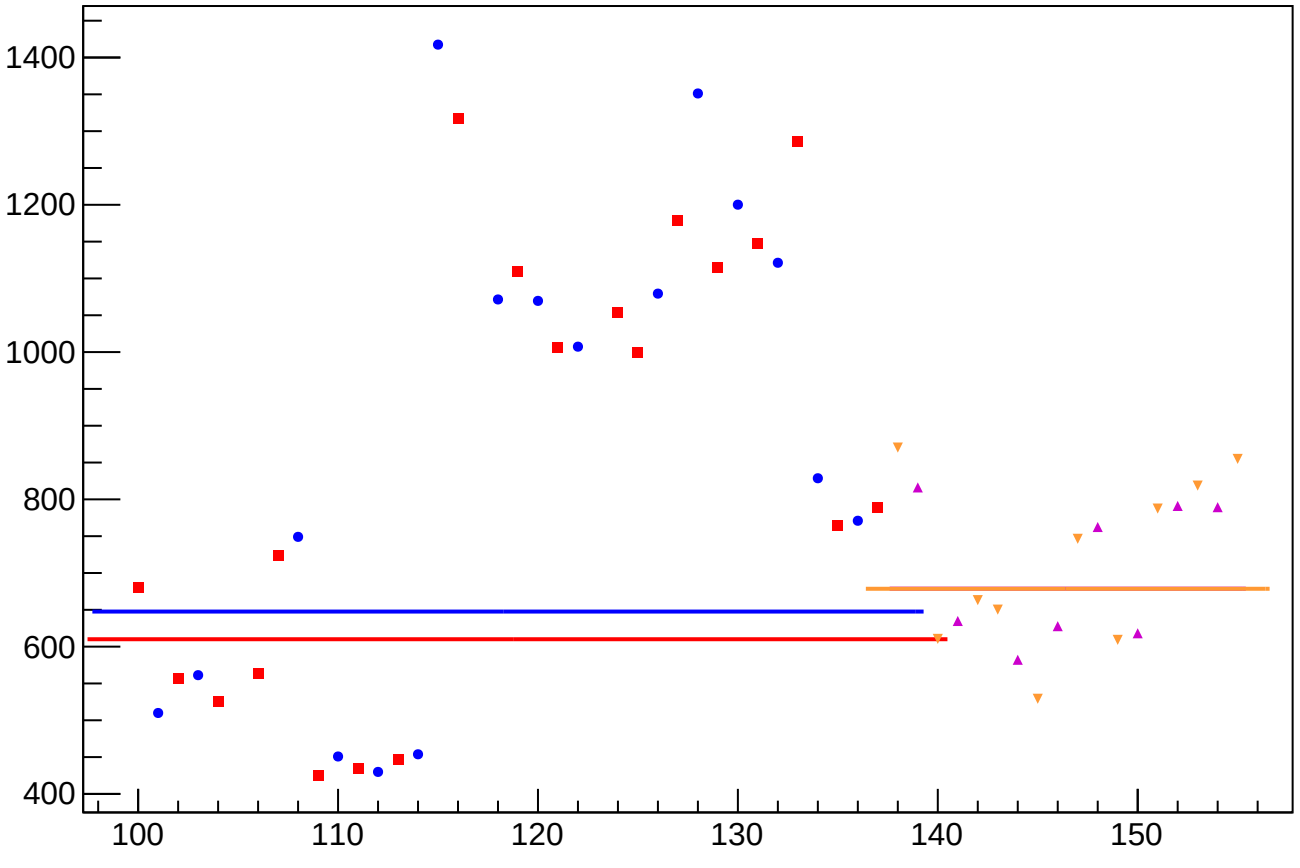
Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 95.763+/-0.018 χ^2/NDF:1004553.6/23

Out: 94.343+/-0.018 χ^2/NDF:1484208.2/28

All: 95.024+/-0.013 χ^2/NDF: 2491864.0/52


asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: -25.770+/-259.401 χ²/NDF: 21.6/15
Left Out: -1169.553+/-246.263 χ²/NDF:16.3/9
Right Out: 539.635+/-241.238 χ²/NDF: 13.6/18
Left In: 360.165+/-259.536 χ²/NDF:5.7/7
Left: -444.807+/-178.642 χ²/NDF: 40.3/17
Right: 277.418+/-176.654 χ²/NDF: 37.7/34
In: 167.097+/-183.472 χ²/NDF:28.4/23
Out: -297.343+/-172.330 χ²/NDF:54.5/28
All: -79.652+/-125.610 χ²/NDF: 86.3/52



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 678.582+/-0.174 χ^2/NDF:413305.6/9

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 678.704+/-0.184 χ^2/NDF:222773.0/7

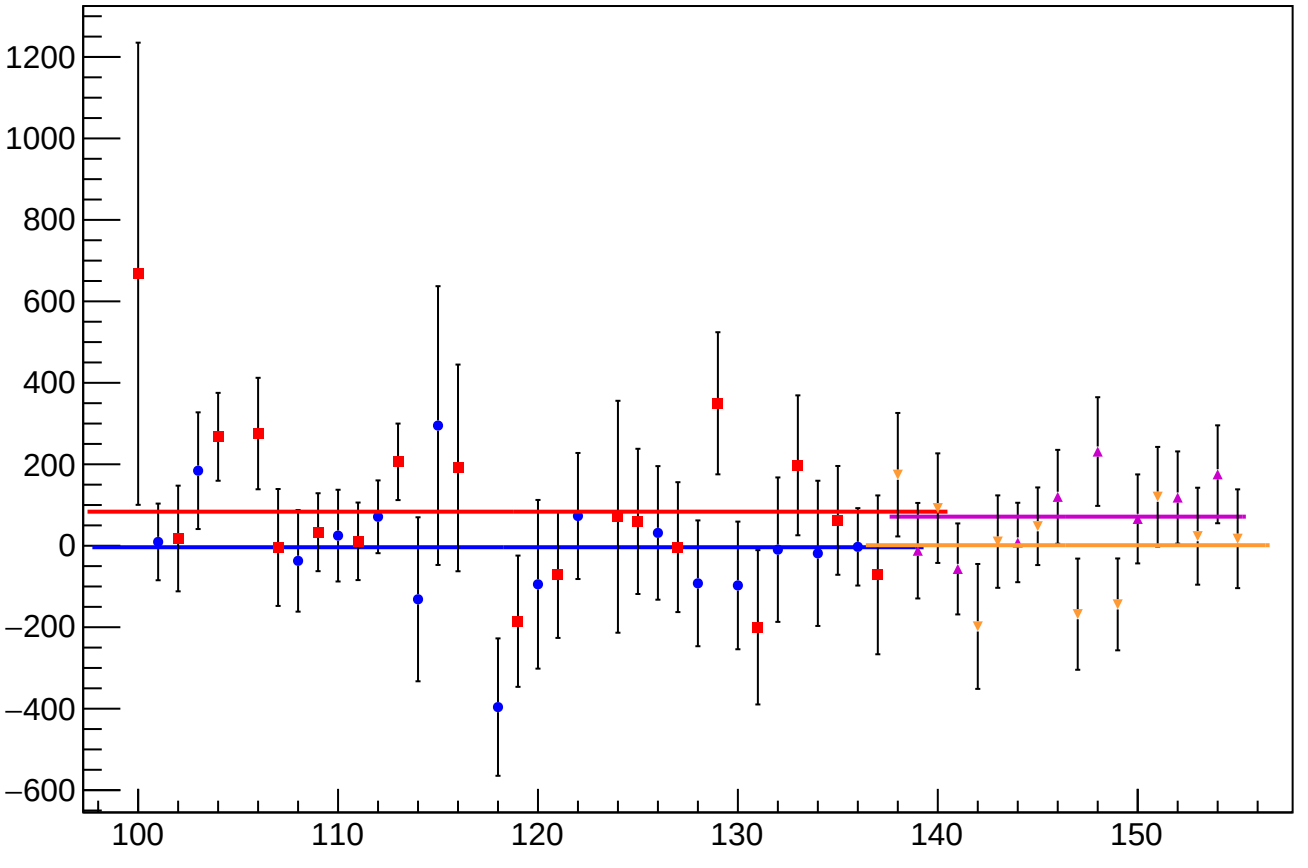
Left: 678.640+/-0.126 χ^2/NDF: 636078.9/17

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 663.164+/-0.130 χ^2/NDF:2124921.8/23

Out: 643.615+/-0.122 χ^2/NDF:2566570.2/28

All: 652.778+/-0.089 χ^2/NDF: 4703555.6/52



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 1.330+/-38.723 χ^2/NDF:7.9/9

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 71.447+/-40.144 χ^2/NDF:4.8/7

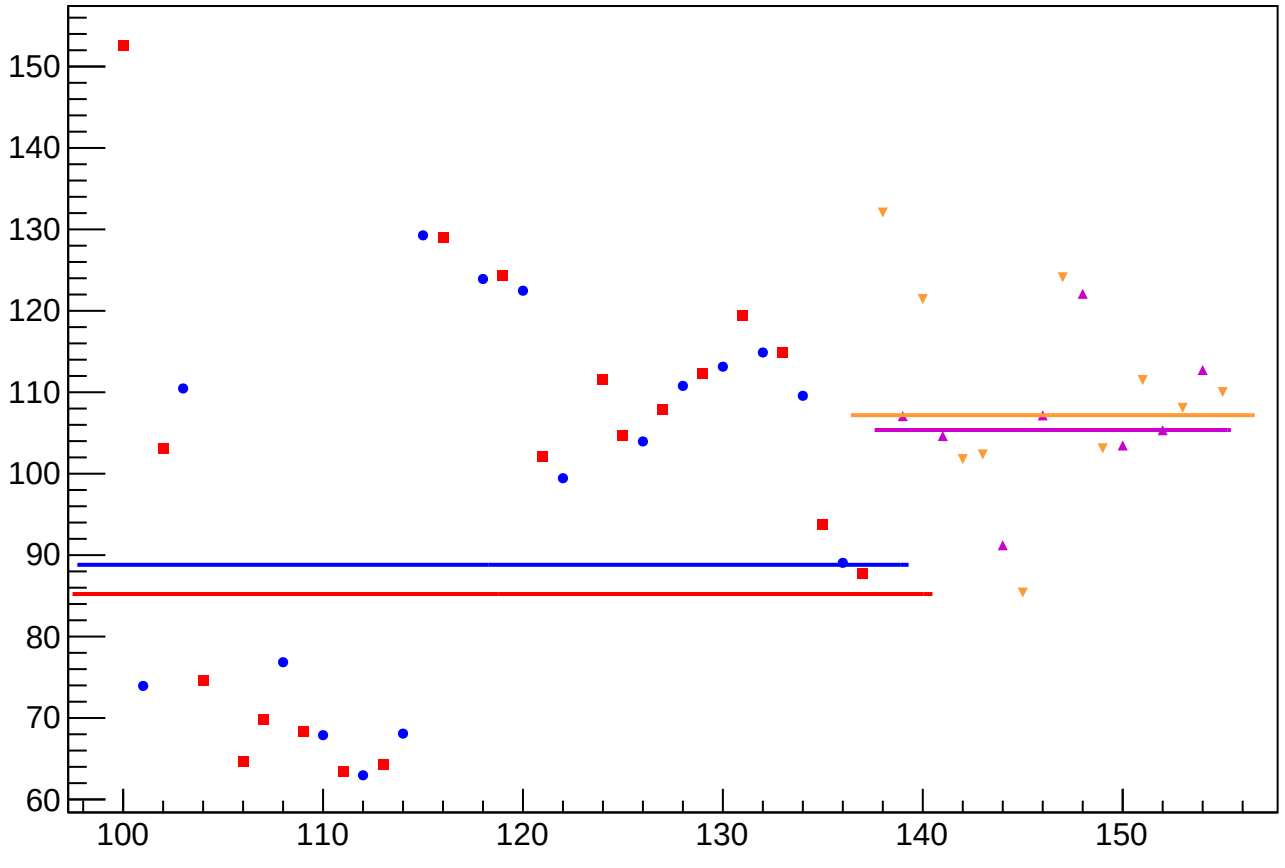
Left: 35.126+/-27.870 χ^2/NDF: 14.3/17

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 27.891+/-26.012 χ^2/NDF:17.2/23

Out: 49.481+/-24.954 χ^2/NDF:29.6/28

All: 39.135+/-18.008 χ^2/NDF: 47.1/52



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 107.184+/-0.027 χ^2/NDF:224061.2/9

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 105.365+/-0.028 χ^2/NDF:82706.4/7

Left: 106.307+/-0.020 χ^2/NDF: 308894.5/17

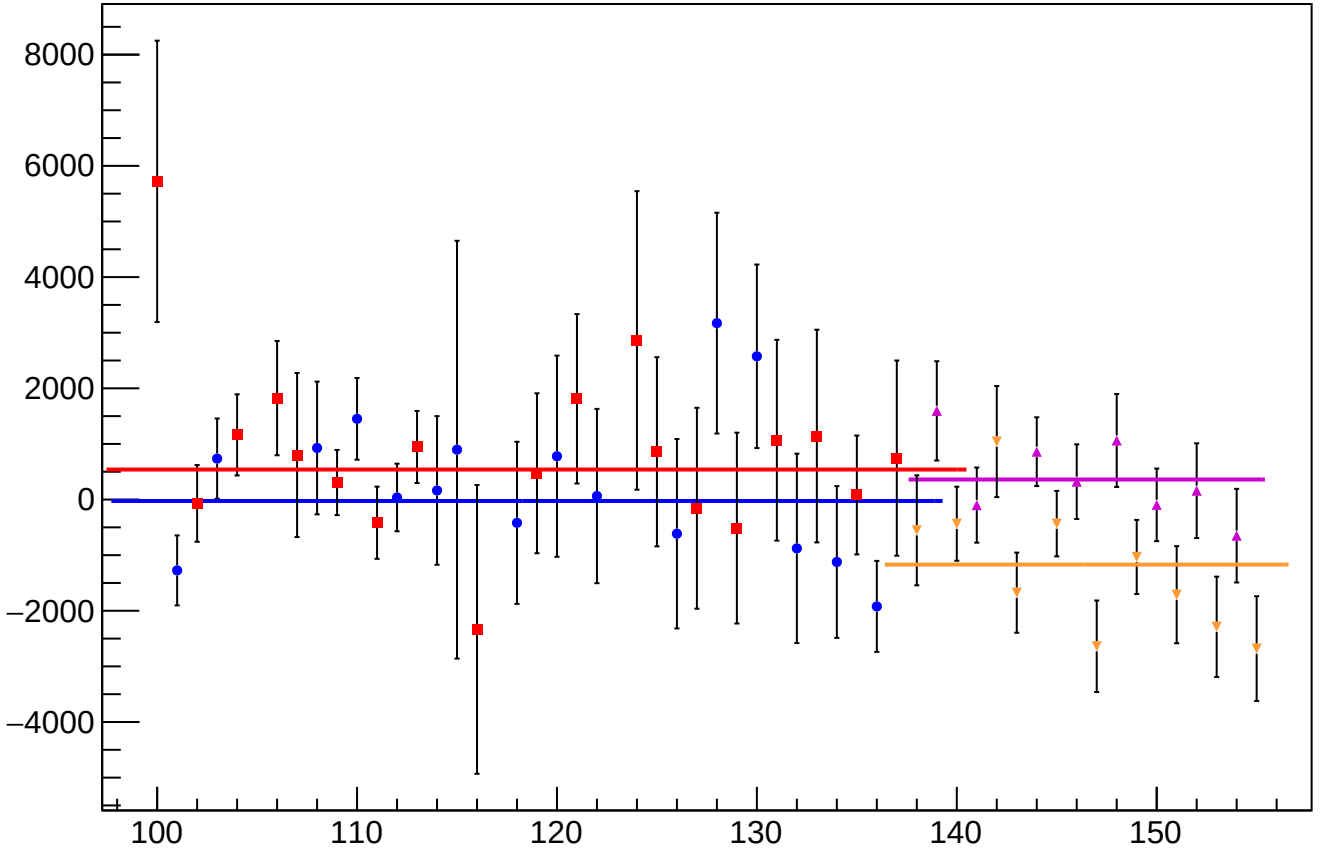
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 95.763+/-0.018 χ^2/NDF:1004559.4/23

Out: 94.343+/-0.018 χ^2/NDF:1484217.3/28

All: 95.024+/-0.013 χ^2/NDF: 2491879.1/52

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: -1169.551+/-246.263 χ^2/NDF:16.3/9

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 360.165+/-259.536 χ^2/NDF:5.7/7

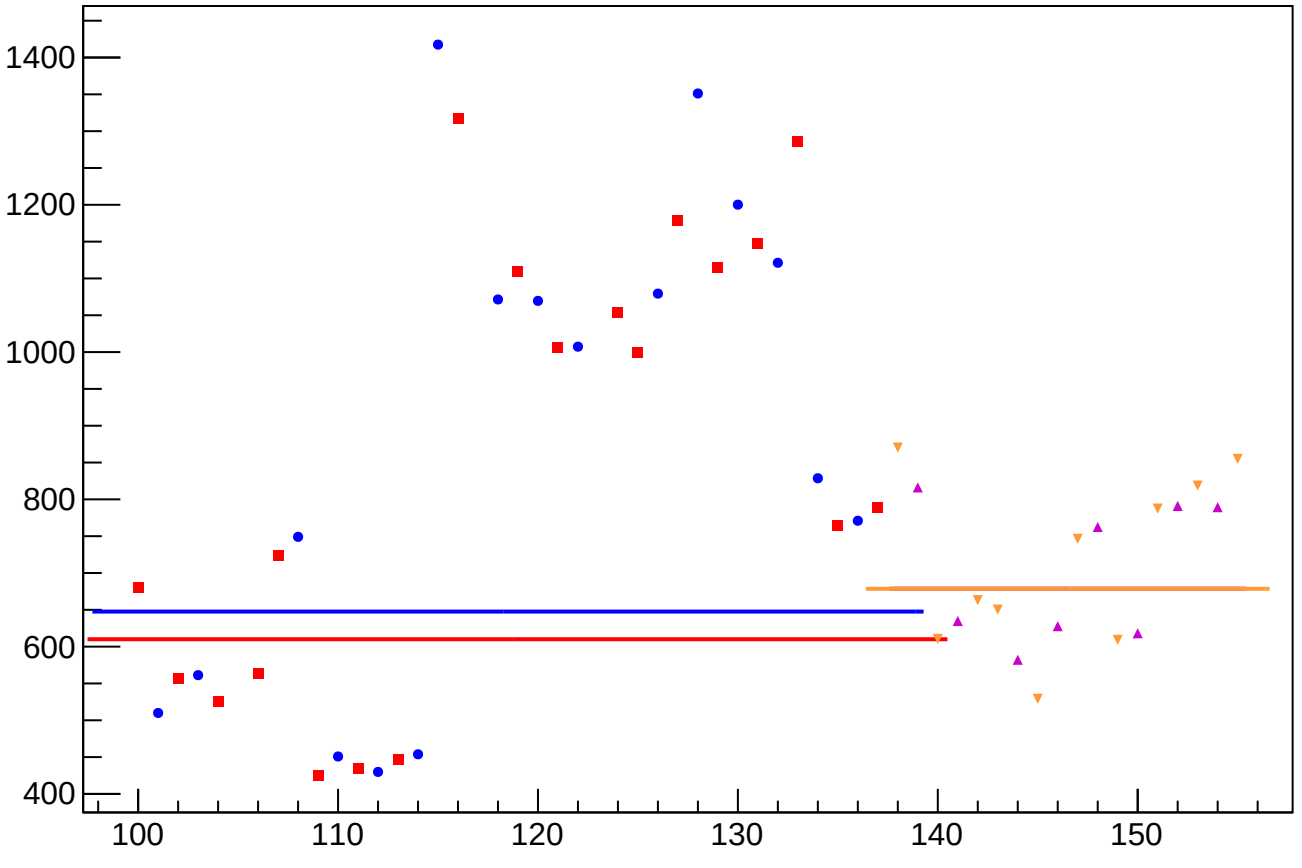
Left: -444.807+/-178.642 χ^2/NDF: 40.3/17

Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 167.097+/-183.472 χ^2/NDF:28.4/23

Out: -297.342+/-172.330 χ^2/NDF:54.5/28

All: -79.652+/-125.610 χ^2/NDF: 86.3/52



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 678.582+/-0.174 χ^2/NDF:413306.9/9

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 678.704+/-0.184 χ^2/NDF:222771.8/7

Left: 678.640+/-0.126 χ^2/NDF: 636079.0/17

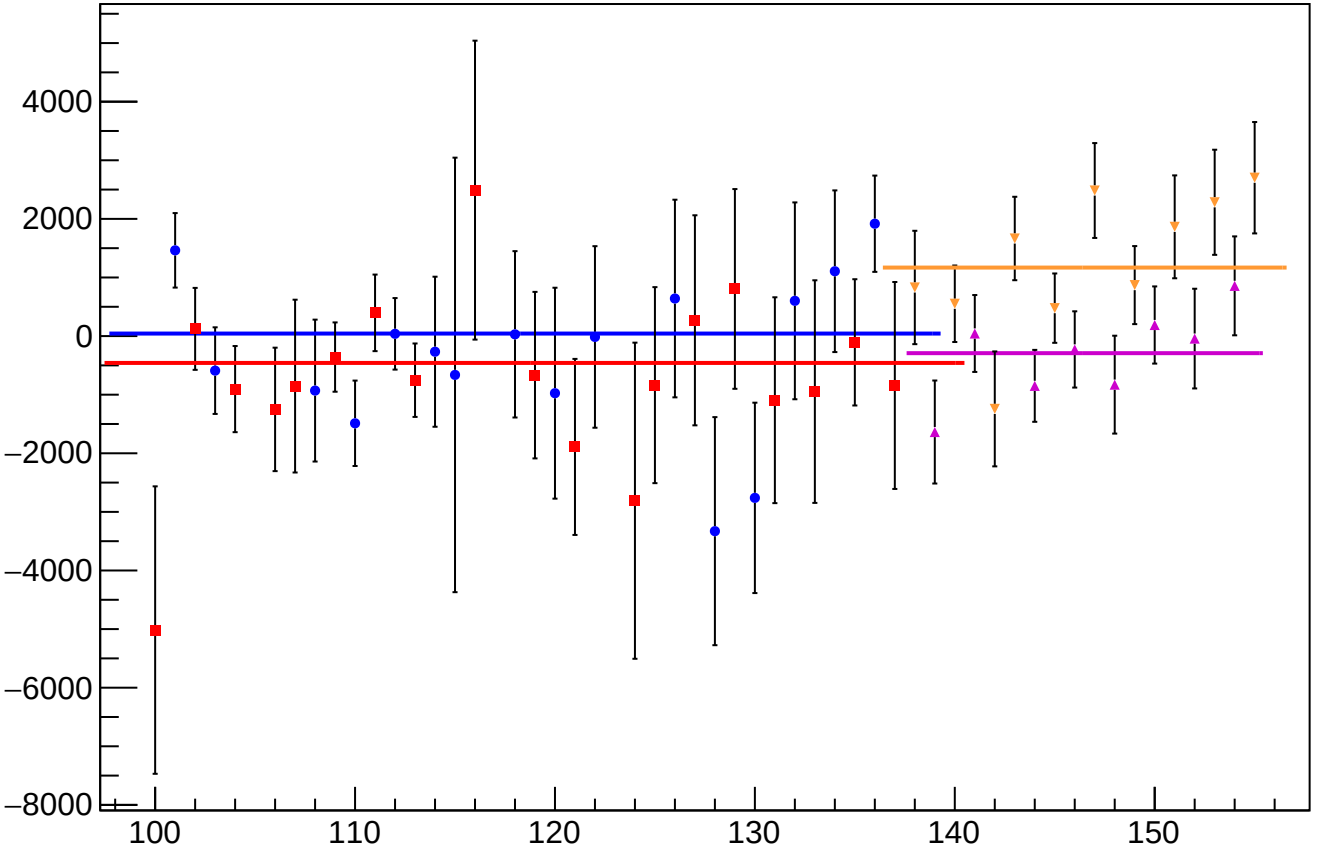
Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 663.164+/-0.130 χ^2/NDF:2124926.0/23

Out: 643.615+/-0.122 χ^2/NDF:2566575.4/28

All: 652.778+/-0.089 χ^2/NDF: 4703565.1/52

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1169.063+/-244.601 χ^2/NDF:16.5/9

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -291.410+/-256.840 χ^2/NDF:6.3/7

Left: 474.451+/-177.128 χ^2/NDF: 39.8/17

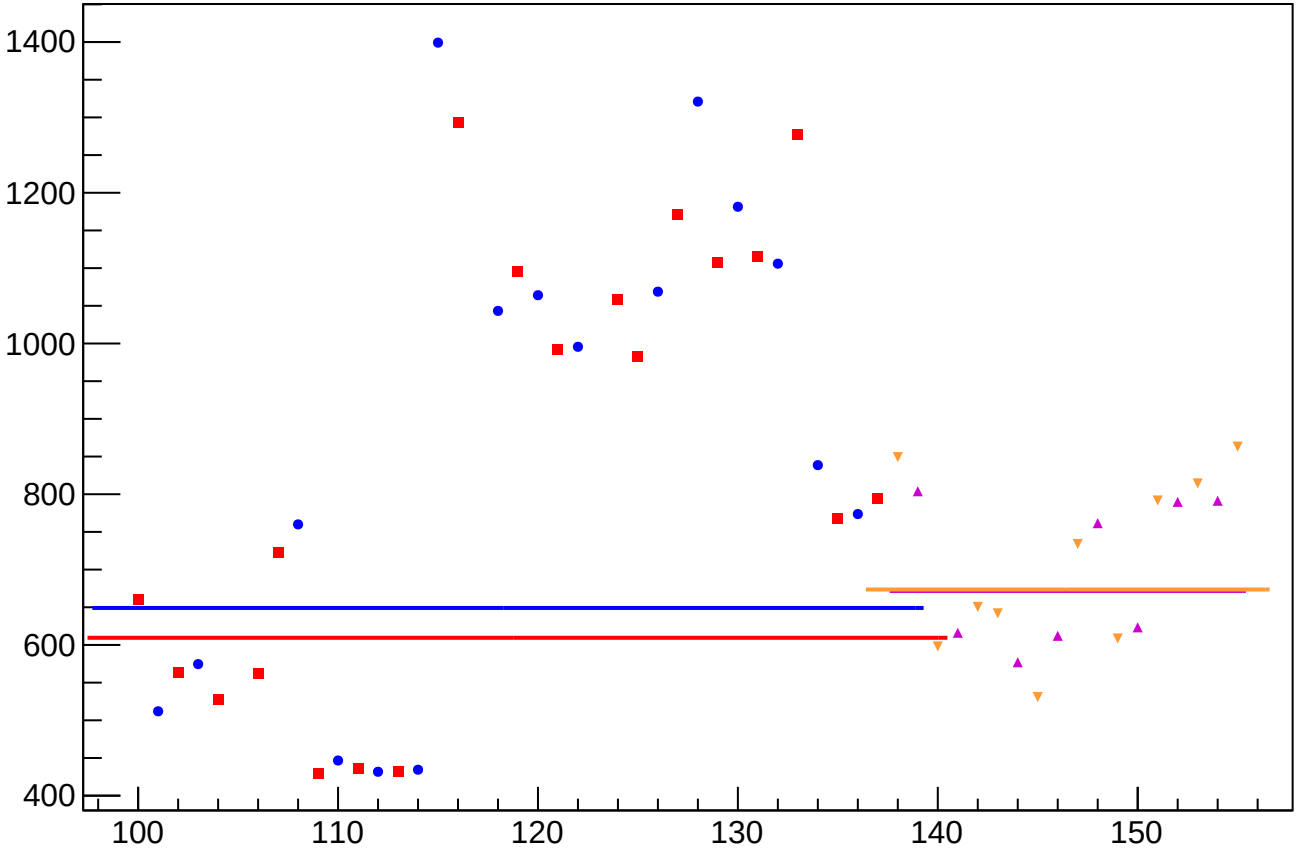
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -126.043+/-182.649 χ^2/NDF:30.4/23

Out: 343.806+/-171.714 χ^2/NDF:50.2/28

All: 123.366+/-125.108 χ^2/NDF: 84.1/52

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 673.553+/-0.173 χ^2/NDF:409484.6/9

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 671.640+/-0.182 χ^2/NDF:236665.1/7

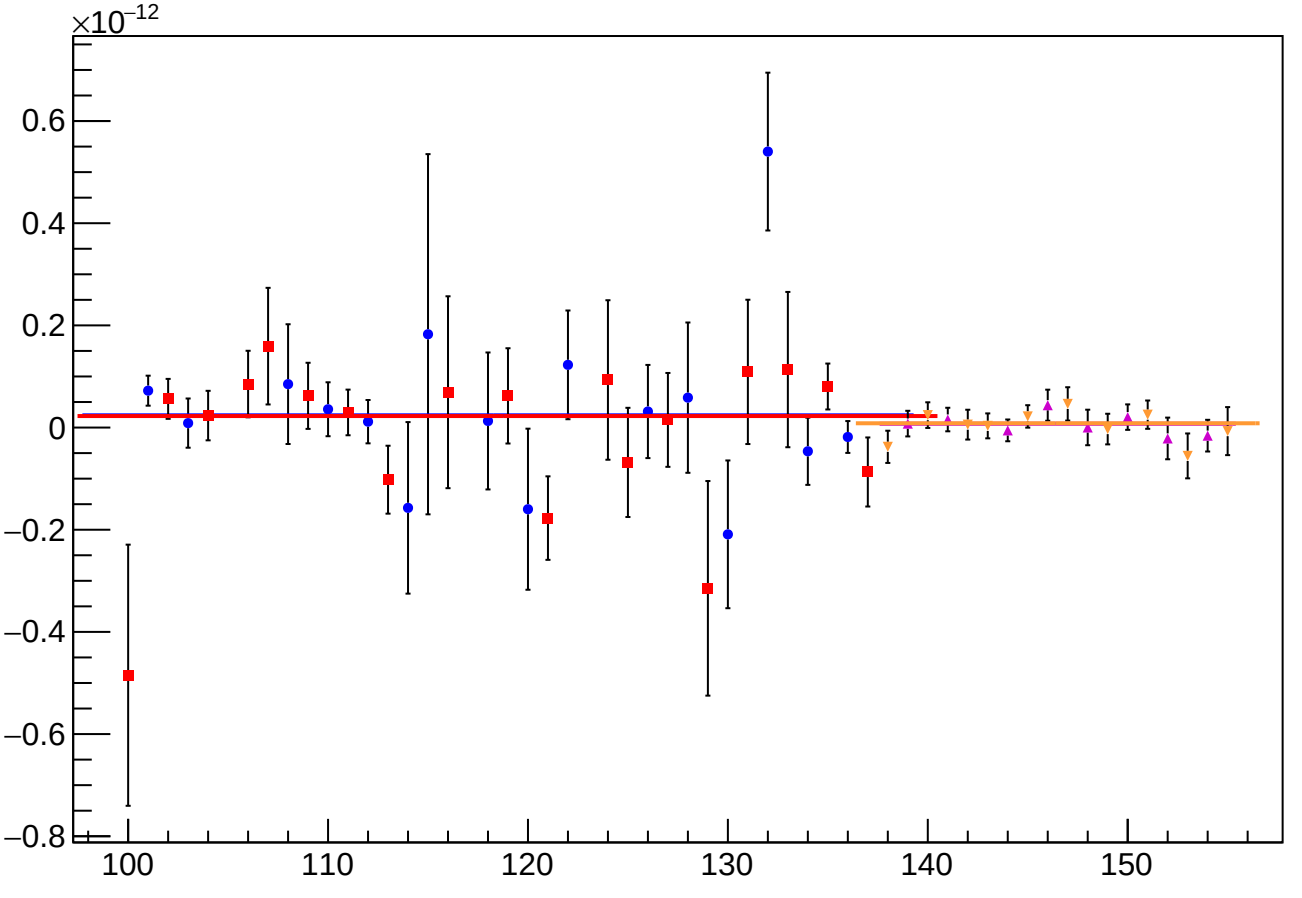
Left: 672.643+/-0.125 χ^2/NDF: 646207.9/17

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 660.494+/-0.129 χ^2/NDF:2090100.4/23

Out: 641.075+/-0.121 χ^2/NDF:2522597.9/28

All: 650.186+/-0.088 χ^2/NDF: 4624698.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/7

Left: 0.000+/-0.000 χ^2/NDF: 10.4/17

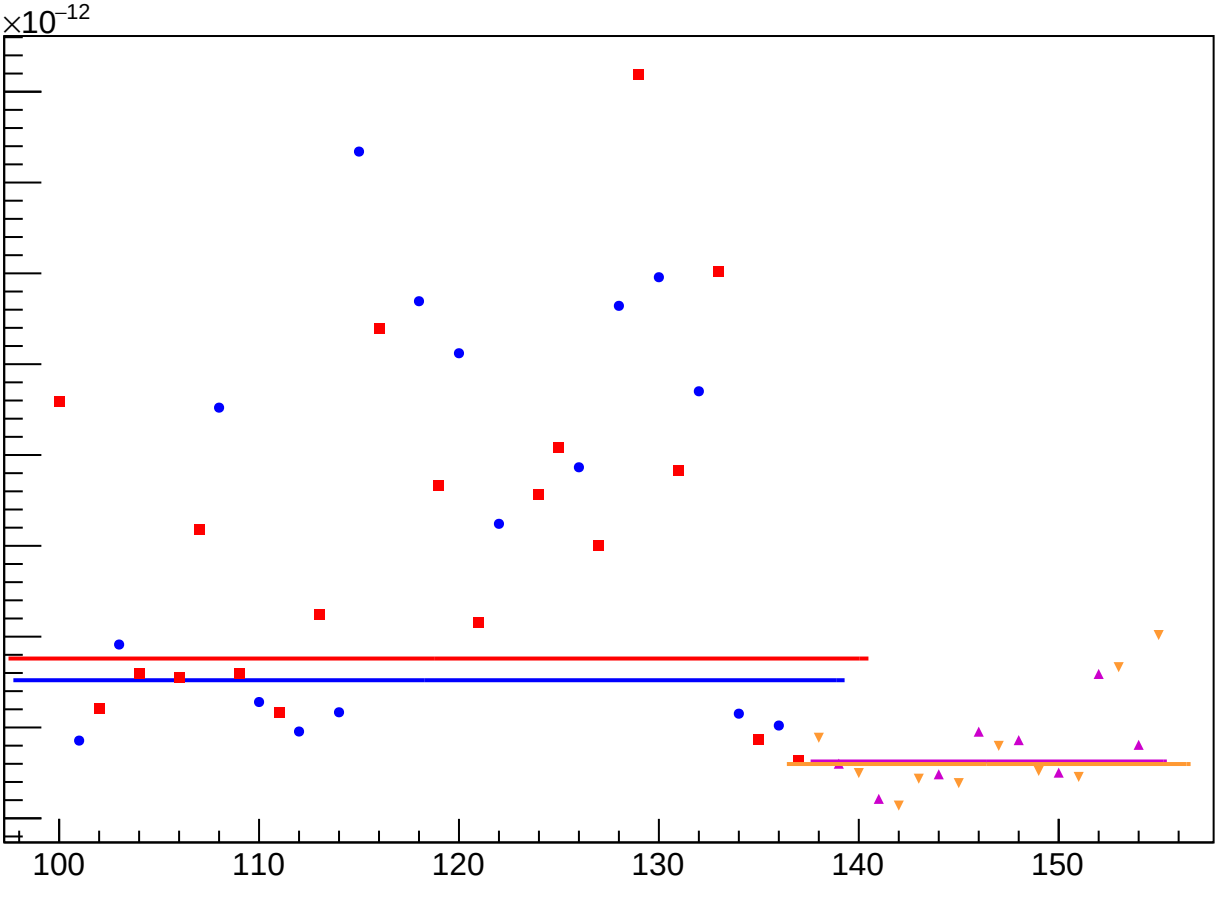
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:27.8/23

Out: 0.000+/-0.000 χ^2/NDF:33.3/28

All: 0.000+/-0.000 χ^2/NDF: 61.1/52

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:410644.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:228745.4/7

Left: 0.000+/-0.000 χ^2/NDF: 640275.9/17

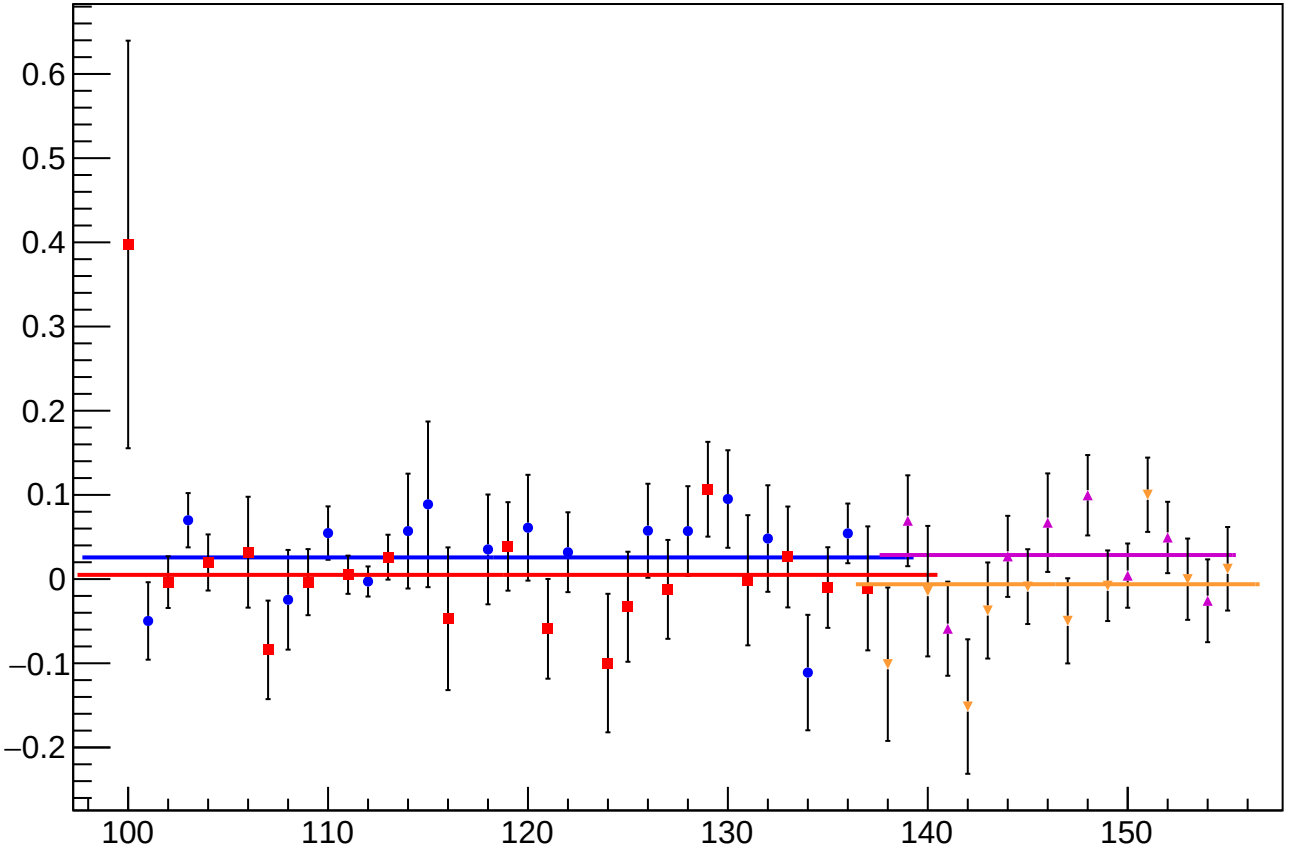
Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2035623.5/23

Out: 0.000+/-0.000 χ^2/NDF:2166657.8/28

All: 0.000+/-0.000 χ^2/NDF: 4202307.8/52

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.006+/-0.017 χ^2/NDF:11.4/9

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.029+/-0.017 χ^2/NDF:7.5/7

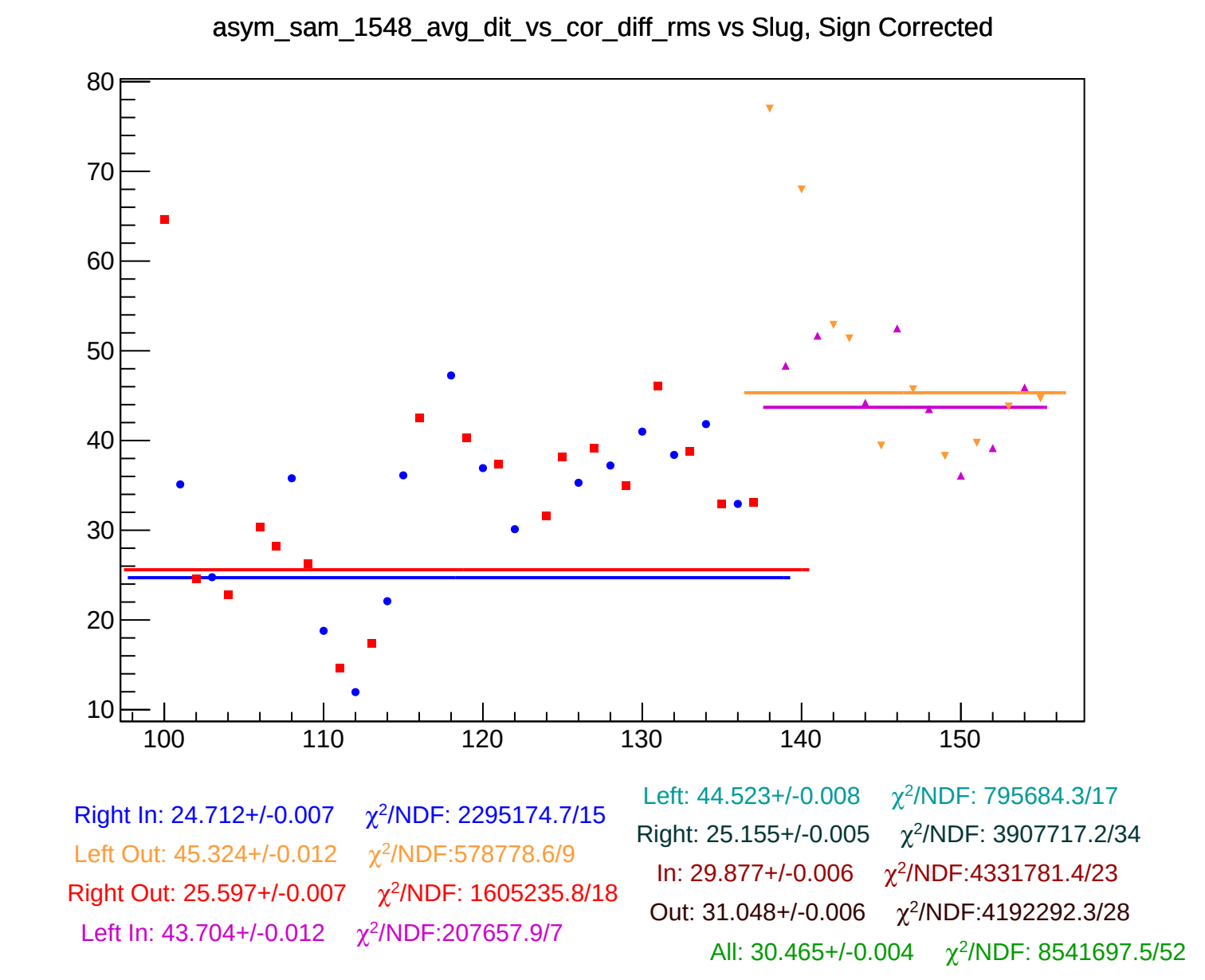
Left: 0.011+/-0.012 χ^2/NDF: 21.1/17

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.009 χ^2/NDF:24.1/23

Out: 0.002+/-0.009 χ^2/NDF:25.3/28

All: 0.014+/-0.006 χ^2/NDF: 53.3/52


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
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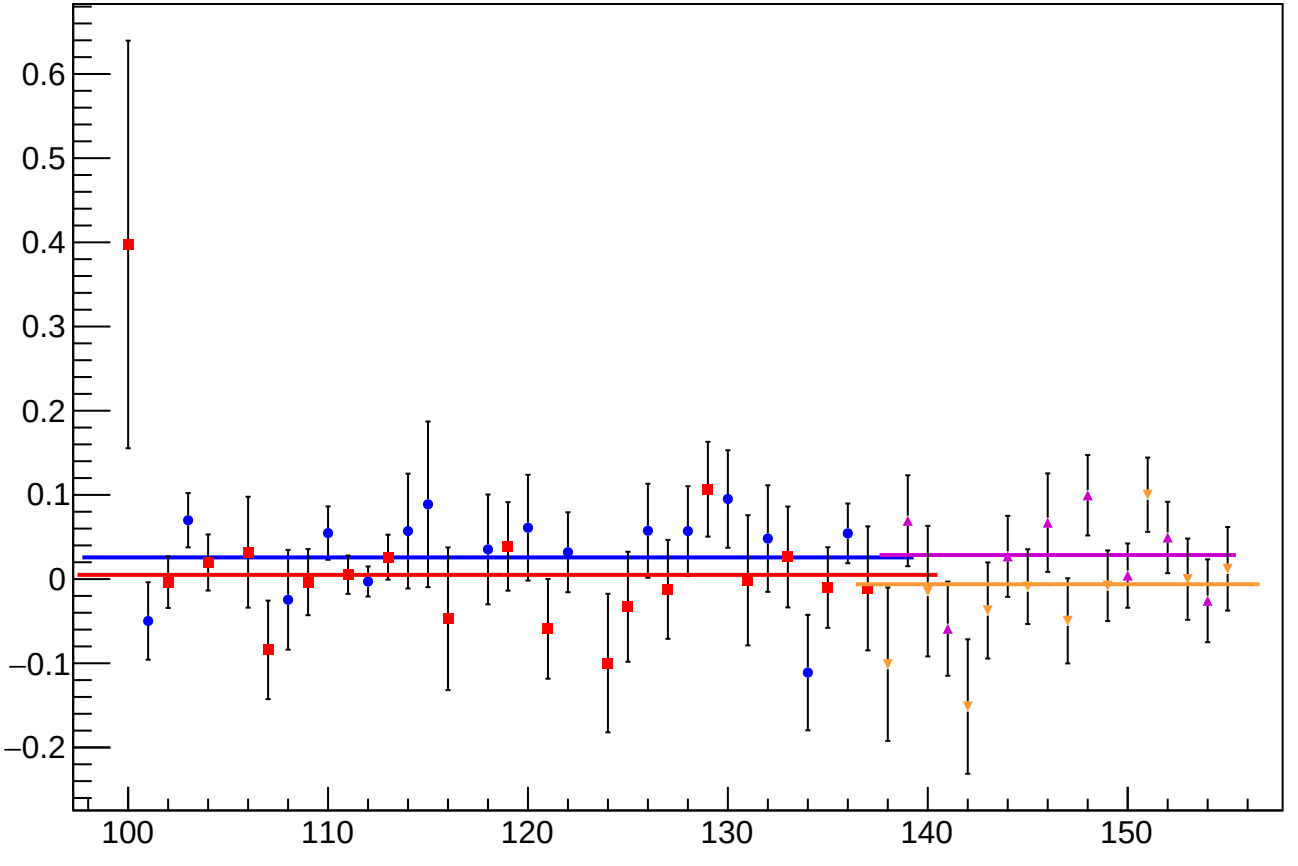
100
110
120
130
140
150
Right In: 24.712+/-0.007 χ2/NDF: 2295174.7/15
Left Out: 45.324+/-0.012 χ2/NDF:578778.6/9
Right Out: 25.597+/-0.007 χ2/NDF: 1605235.8/18
Left In: 43.704+/-0.012 χ2/NDF:207657.9/7
Left: 44.523+/-0.008 χ2/NDF: 795684.3/17
Right: 25.155+/-0.005 χ2/NDF: 3907717.2/34
In: 29.877+/-0.006 χ2/NDF:4331781.4/23
Out: 31.048+/-0.006 χ2/NDF:4192292.3/28
All: 30.465+/-0.004 χ2/NDF: 8541697.5/52

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: -0.006+/-0.017 χ^2/NDF:11.4/9

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.029+/-0.017 χ^2/NDF:7.5/7

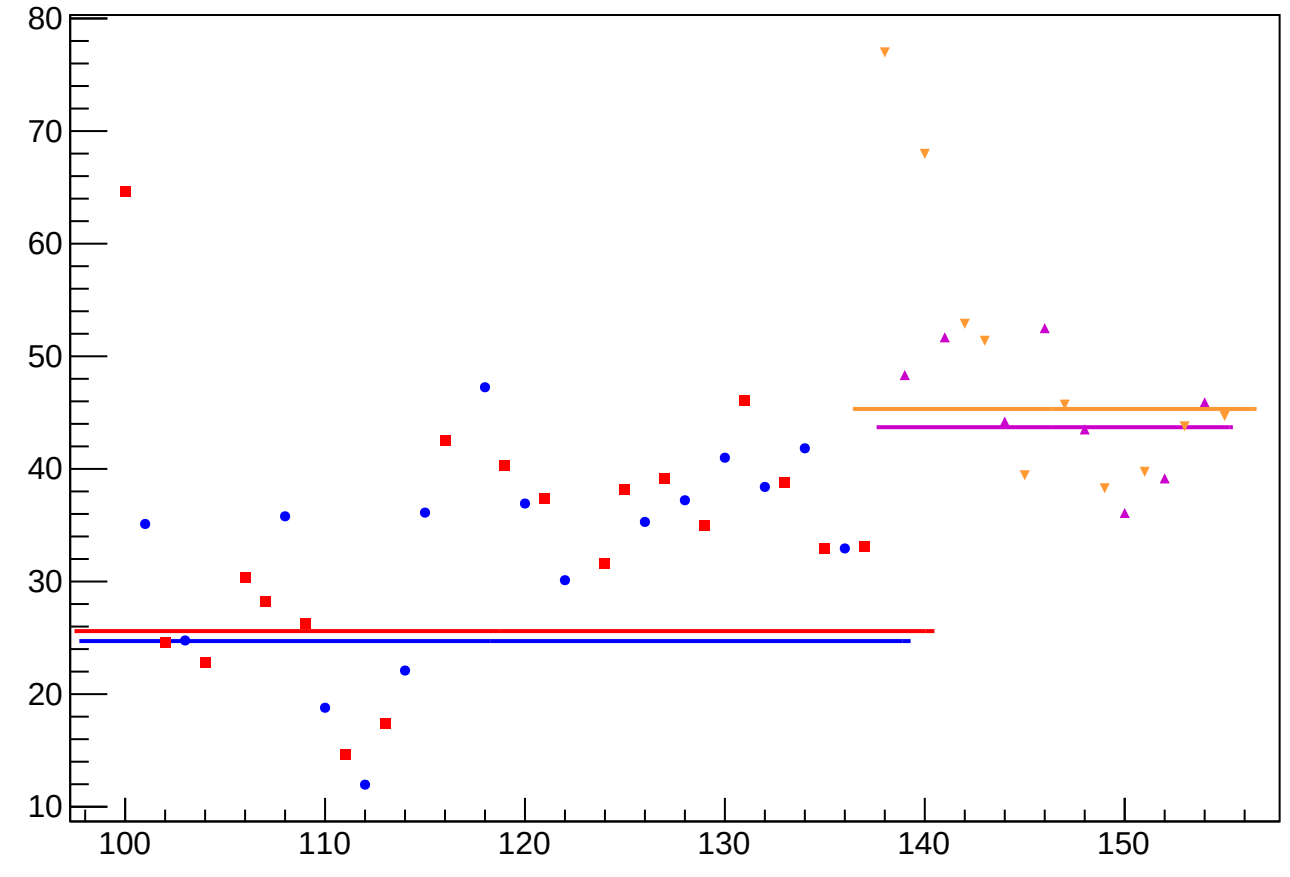
Left: 0.011+/-0.012 χ^2/NDF: 21.1/17

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.009 χ^2/NDF:24.1/23

Out: 0.002+/-0.009 χ^2/NDF:25.3/28

All: 0.014+/-0.006 χ^2/NDF: 53.3/52



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.324+/-0.012 χ^2/NDF:578778.6/9

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.704+/-0.012 χ^2/NDF:207657.9/7

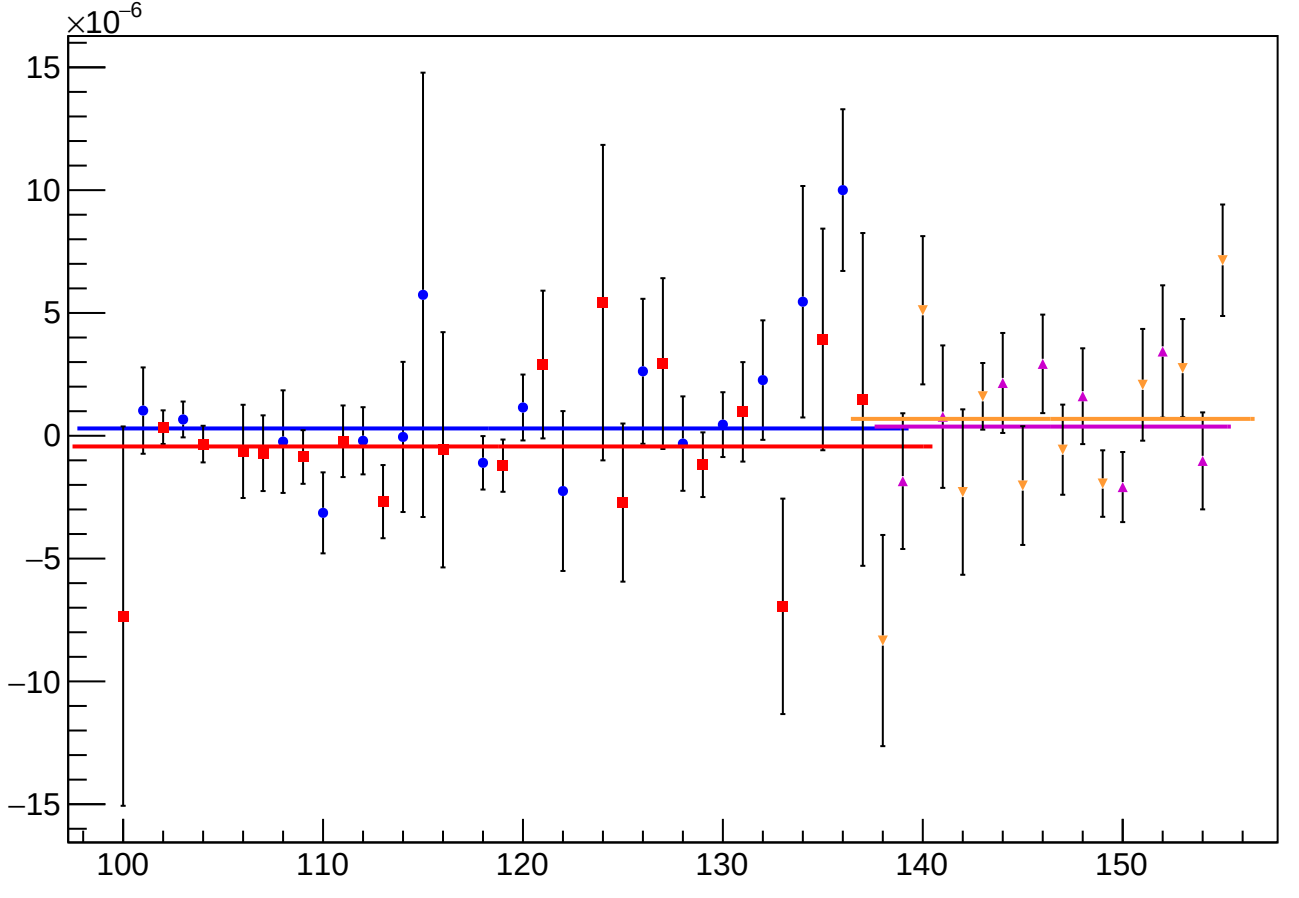
Left: 44.523+/-0.008 χ^2/NDF: 795684.3/17

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 29.877+/-0.006 χ^2/NDF:4331781.4/23

Out: 31.048+/-0.006 χ^2/NDF:4192292.3/28

All: 30.465+/-0.004 χ^2/NDF: 8541697.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/7

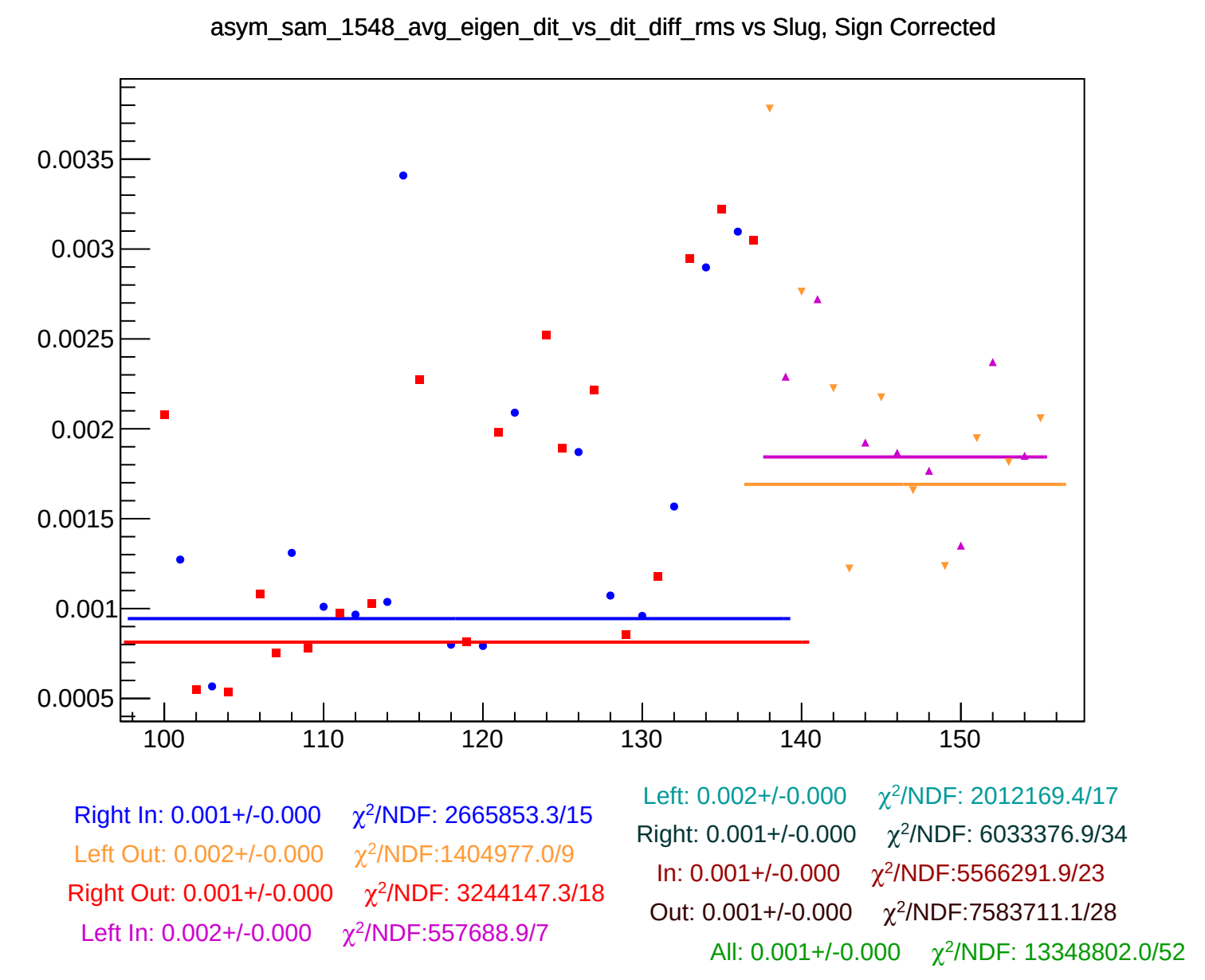
Left: 0.000+/-0.000 χ^2/NDF: 31.2/17

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:27.5/23

Out: -0.000+/-0.000 χ^2/NDF:37.9/28

All: 0.000+/-0.000 χ^2/NDF: 66.6/52


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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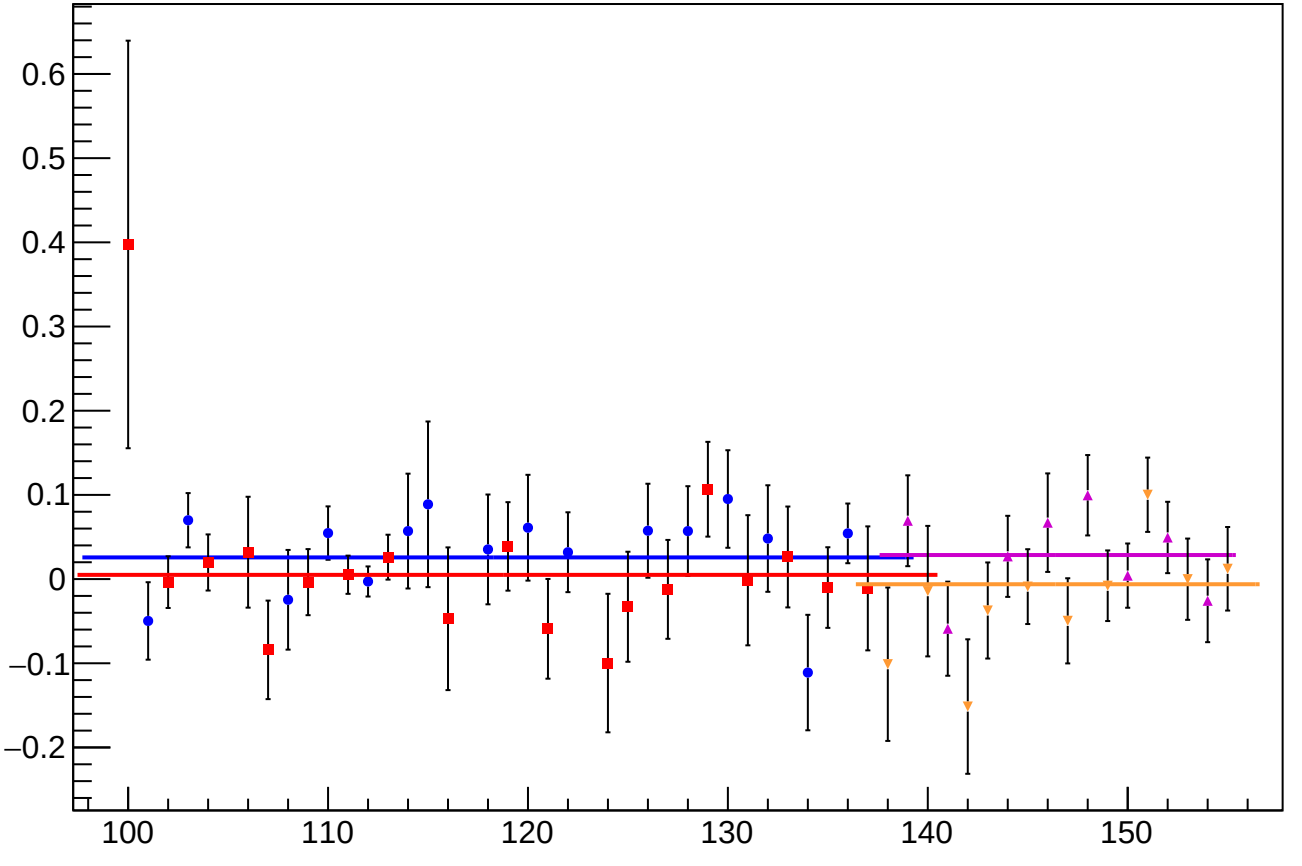
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1404977.0/9
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:557688.9/7
Left: 0.002+/-0.000 χ²/NDF: 2012169.4/17
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:5566291.9/23
Out: 0.001+/-0.000 χ²/NDF:7583711.1/28
All: 0.001+/-0.000 χ²/NDF: 13348802.0/52

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: -0.006+/-0.017 χ^2/NDF:11.4/9

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.029+/-0.017 χ^2/NDF:7.5/7

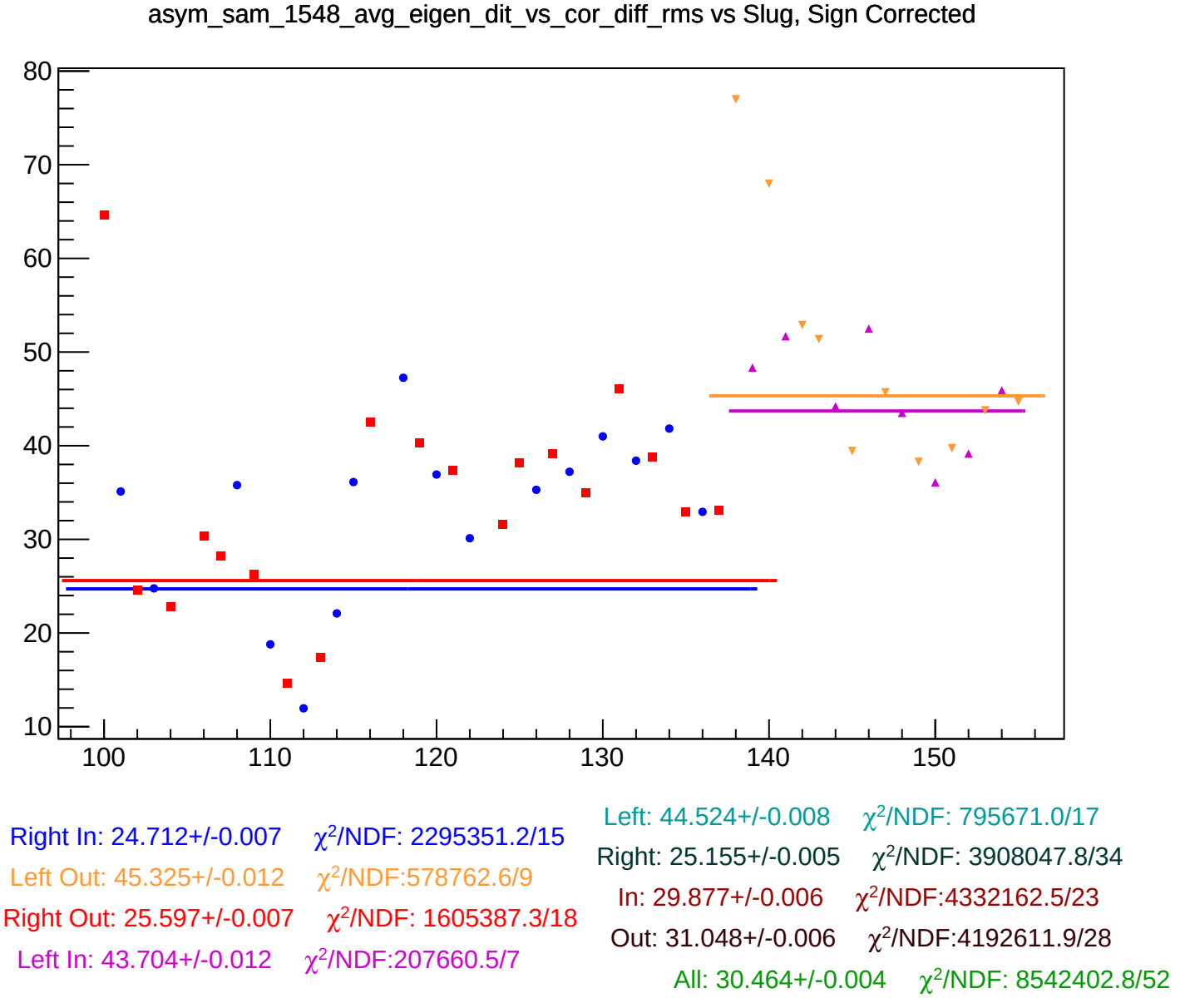
Left: 0.011+/-0.012 χ^2/NDF: 21.1/17

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.009 χ^2/NDF:24.1/23

Out: 0.002+/-0.009 χ^2/NDF:25.3/28

All: 0.014+/-0.006 χ^2/NDF: 53.3/52


asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
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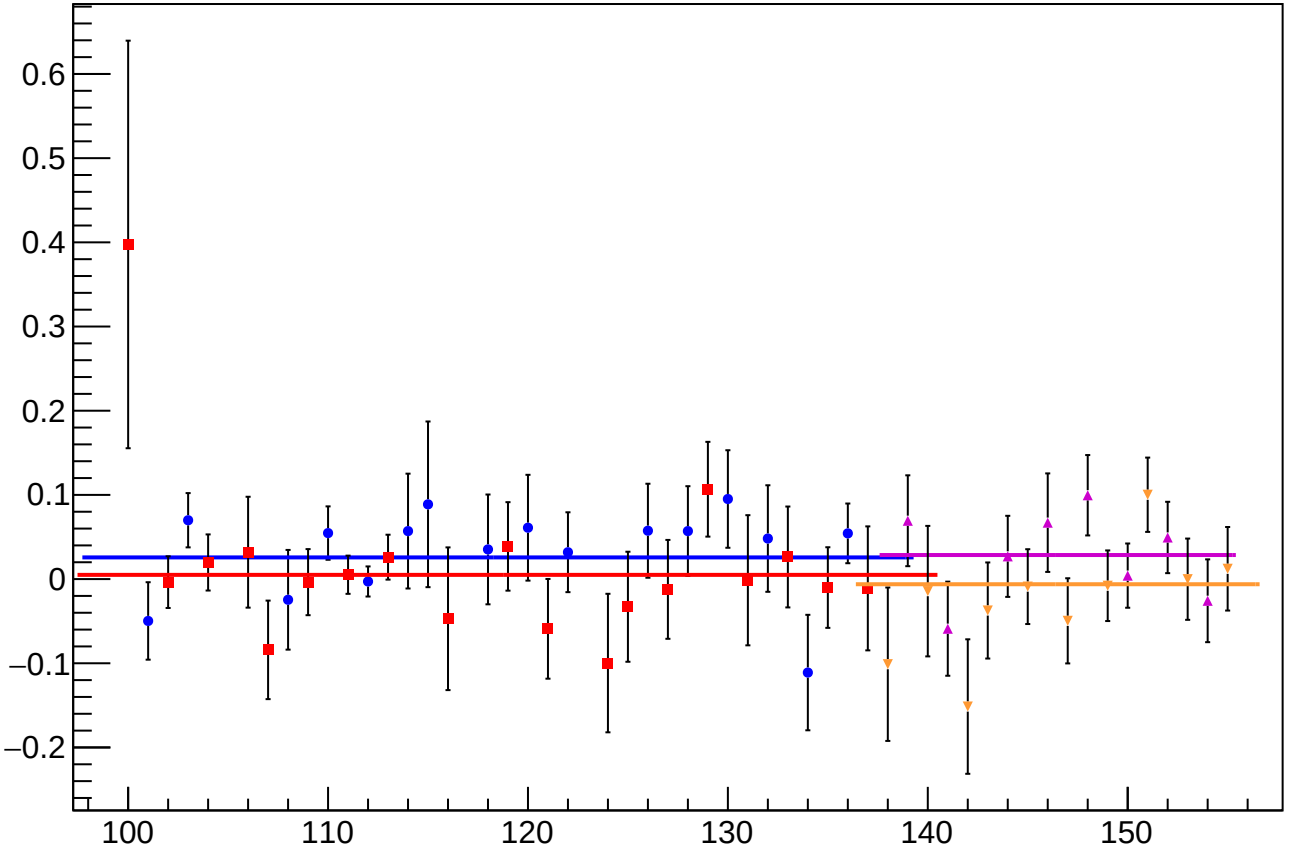
Right In: 24.712+/-0.007 χ2/NDF: 2295351.2/15
Left Out: 45.325+/-0.012 χ2/NDF:578762.6/9
Right Out: 25.597+/-0.007 χ2/NDF: 1605387.3/18
Left In: 43.704+/-0.012 χ2/NDF:207660.5/7
Left: 44.524+/-0.008 χ2/NDF: 795671.0/17
Right: 25.155+/-0.005 χ2/NDF: 3908047.8/34
In: 29.877+/-0.006 χ2/NDF:4332162.5/23
Out: 31.048+/-0.006 χ2/NDF:4192611.9/28
All: 30.464+/-0.004 χ2/NDF: 8542402.8/52

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: -0.006+/-0.017 χ^2/NDF:11.4/9

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.029+/-0.017 χ^2/NDF:7.5/7

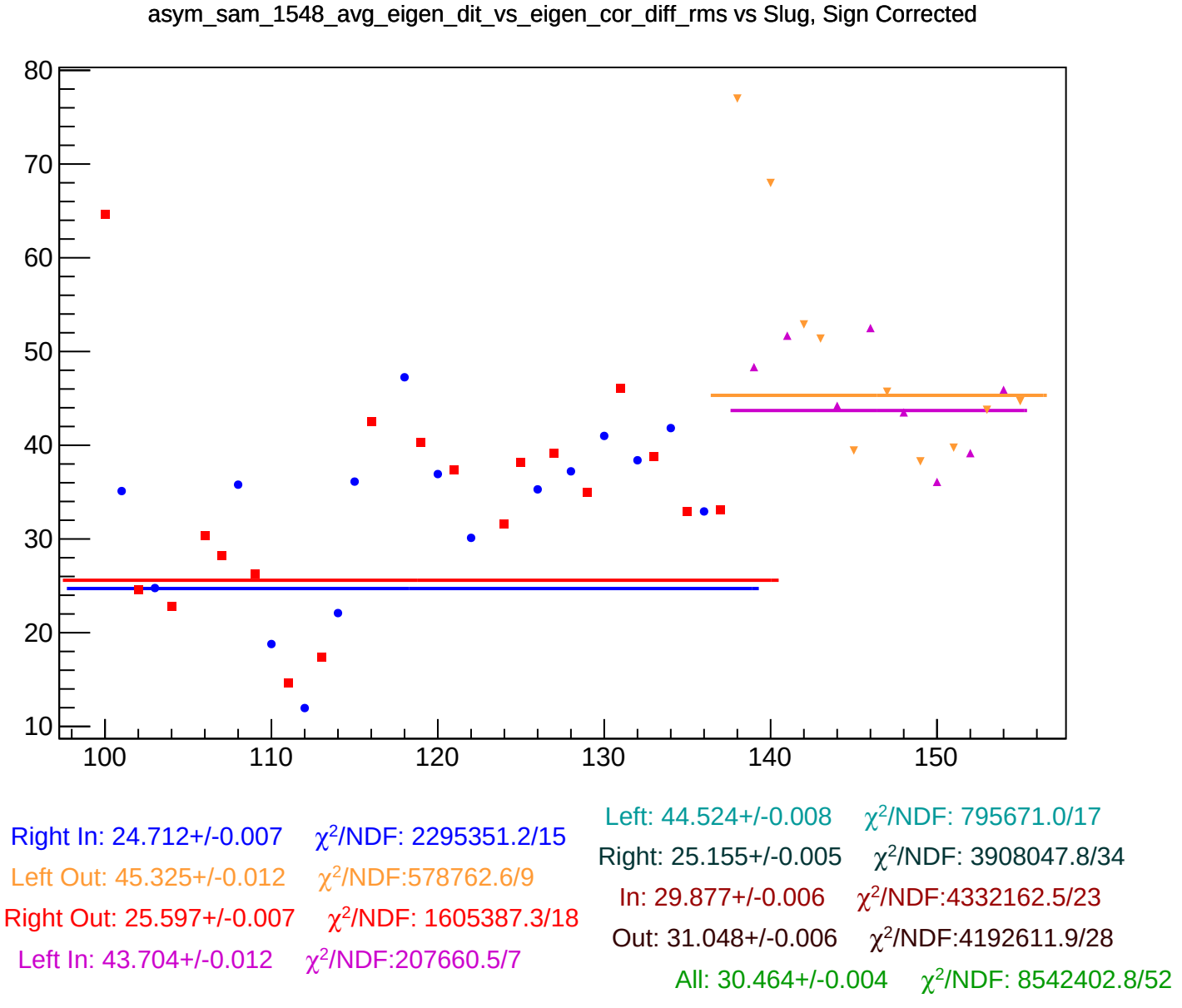
Left: 0.011+/-0.012 χ^2/NDF: 21.1/17

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.027+/-0.009 χ^2/NDF:24.1/23

Out: 0.002+/-0.009 χ^2/NDF:25.3/28

All: 0.014+/-0.006 χ^2/NDF: 53.3/52


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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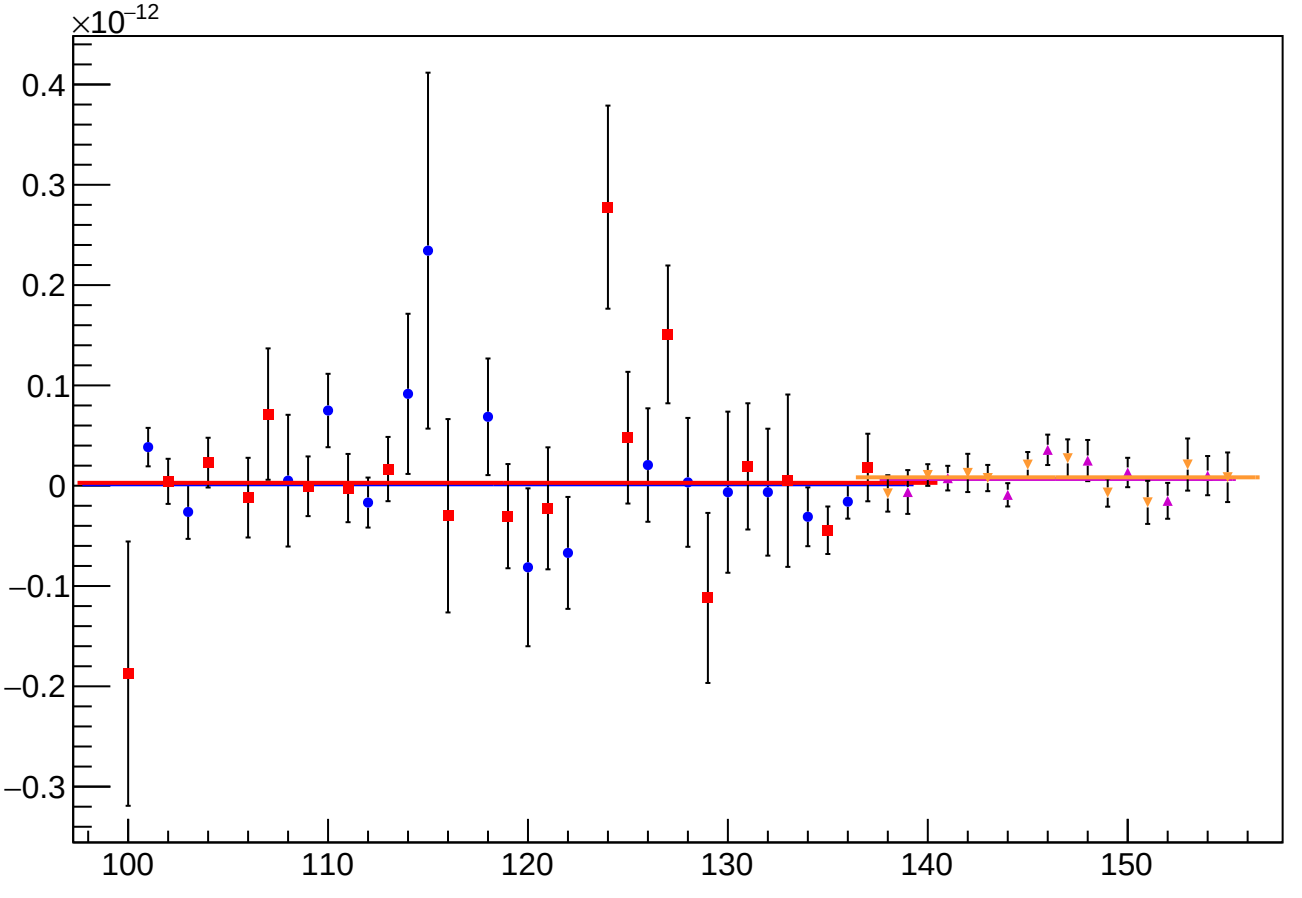
140
150
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 45.325+/-0.012 χ²/NDF:578762.6/9
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 43.704+/-0.012 χ²/NDF:207660.5/7
Left: 44.524+/-0.008 χ²/NDF: 795671.0/17
Right: 25.155+/-0.005 χ²/NDF: 3908047.8/34
In: 29.877+/-0.006 χ²/NDF:4332162.5/23
Out: 31.048+/-0.006 χ²/NDF:4192611.9/28
All: 30.464+/-0.004 χ²/NDF: 8542402.8/52

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:5.7/9

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/7

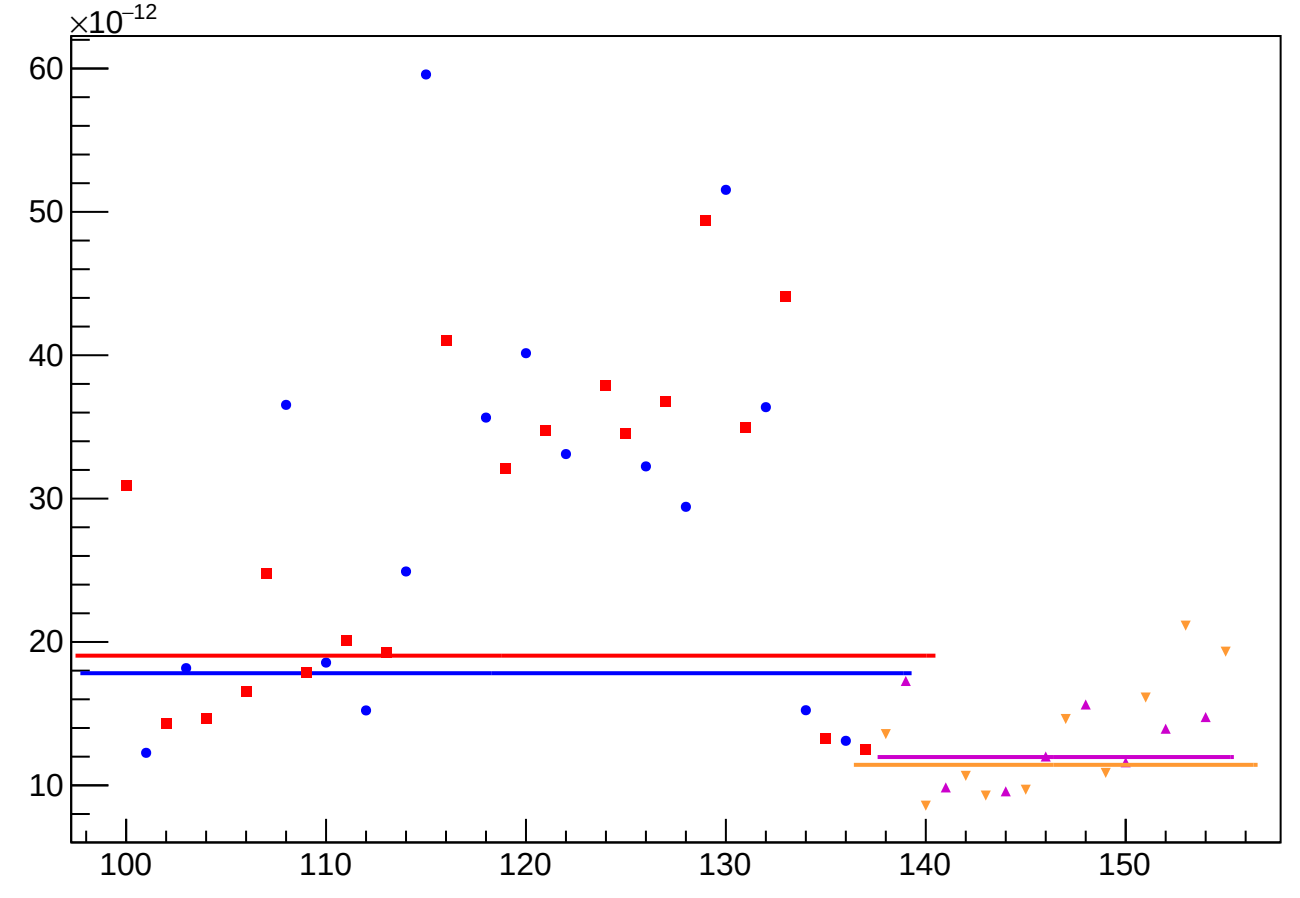
Left: 0.000+/-0.000 χ^2/NDF: 14.1/17

Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:27.4/23

Out: 0.000+/-0.000 χ^2/NDF:29.4/28

All: 0.000+/-0.000 χ^2/NDF: 56.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:901070.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:392572.4/7

Left: 0.000+/-0.000 χ^2/NDF: 1304354.2/17

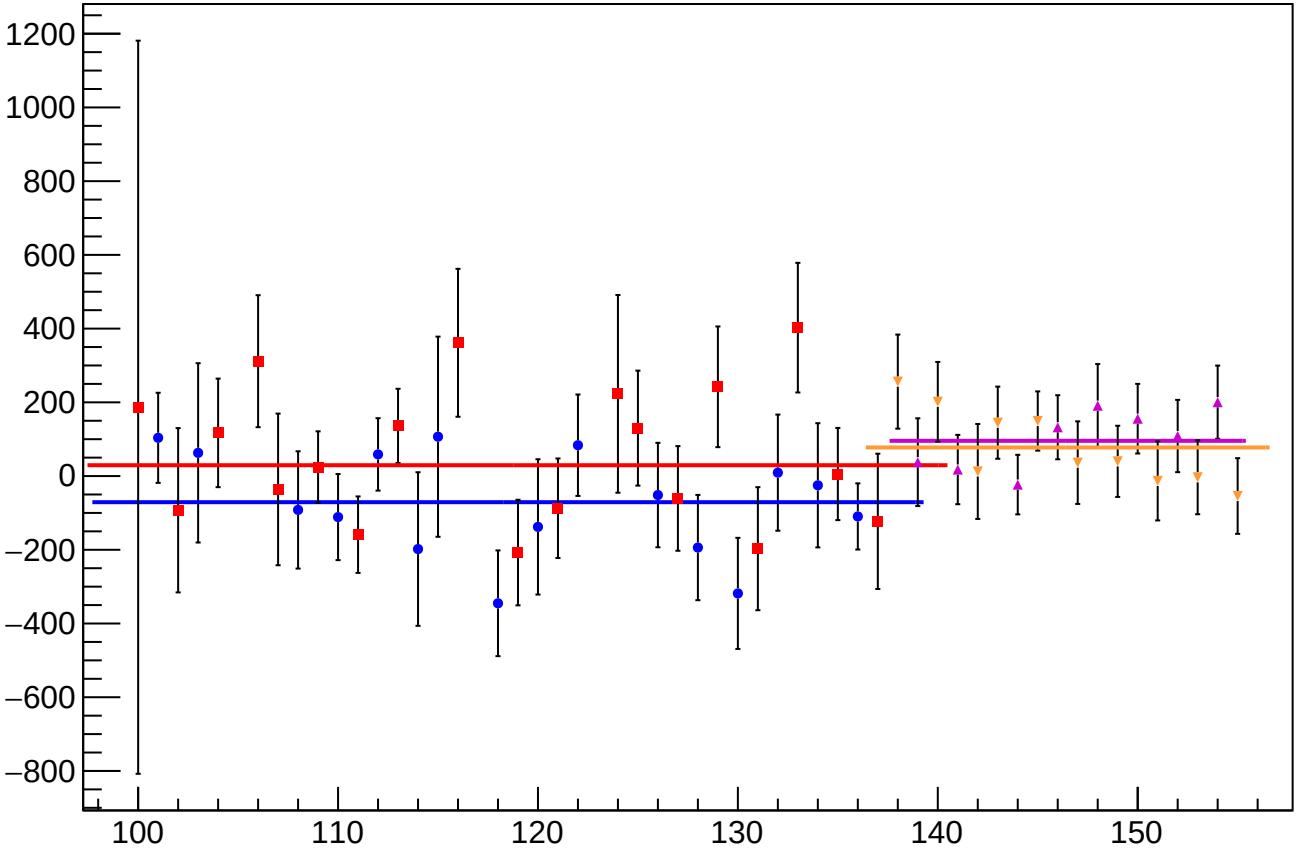
Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:2911799.3/23

Out: 0.000+/-0.000 χ^2/NDF:3589118.4/28

All: 0.000+/-0.000 χ^2/NDF: 6510699.6/52

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 77.578+/-32.702 χ^2/NDF:8.1/9

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 95.582+/-33.994 χ^2/NDF:5.5/7

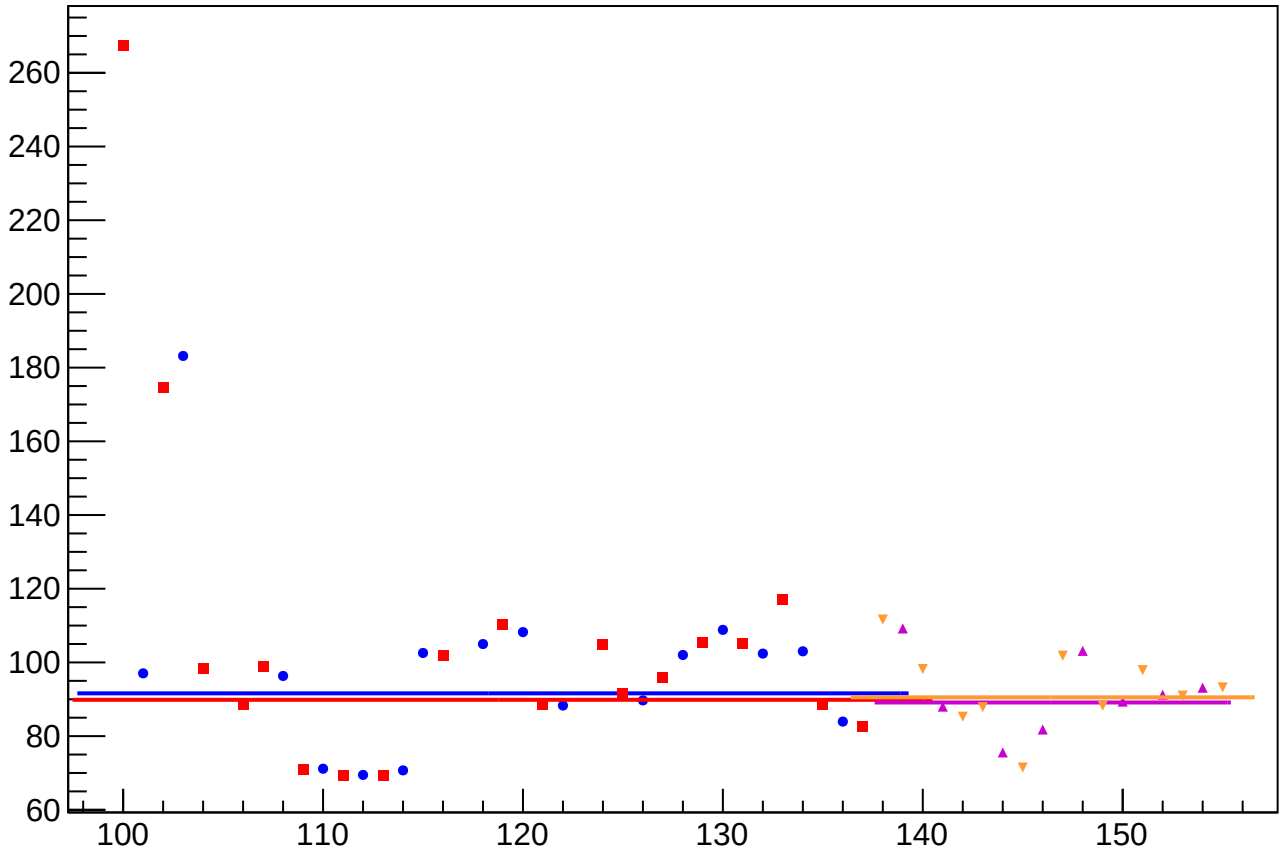
Left: 86.231+/-23.568 χ^2/NDF: 13.8/17

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 15.060+/-24.427 χ^2/NDF:31.2/23

Out: 54.602+/-23.650 χ^2/NDF:33.2/28

All: 35.470+/-16.991 χ^2/NDF: 65.7/52



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.527+/-0.023 χ^2/NDF:214290.7/9

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.128+/-0.024 χ^2/NDF:162748.6/7

Left: 89.854+/-0.017 χ^2/NDF: 378798.5/17

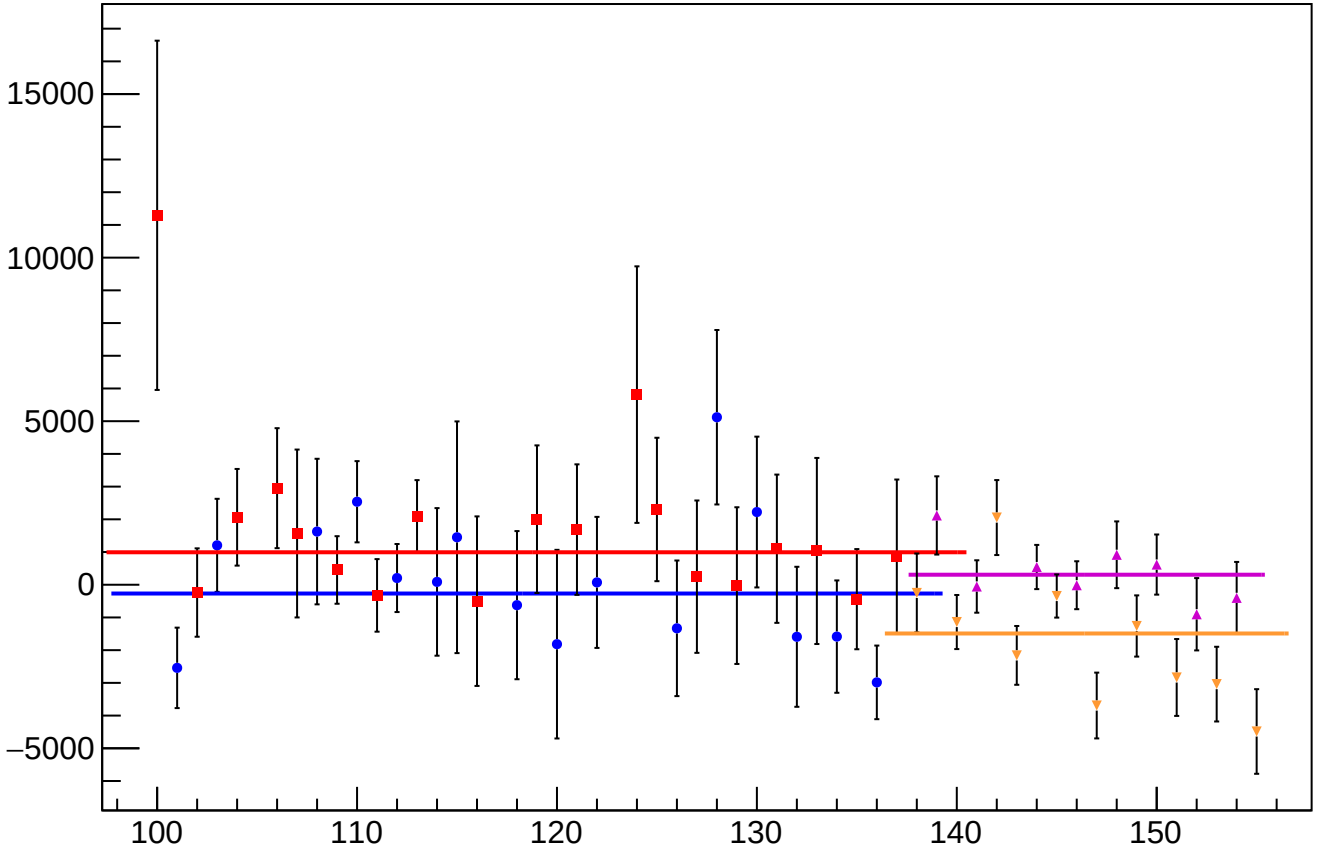
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.327+/-0.017 χ^2/NDF:748571.1/23

Out: 90.206+/-0.017 χ^2/NDF:960982.9/28

All: 90.265+/-0.012 χ^2/NDF: 1709579.5/52

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: -1490.230+/-306.215 χ^2/NDF:27.7/9

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 306.546+/-314.649 χ^2/NDF:4.9/7

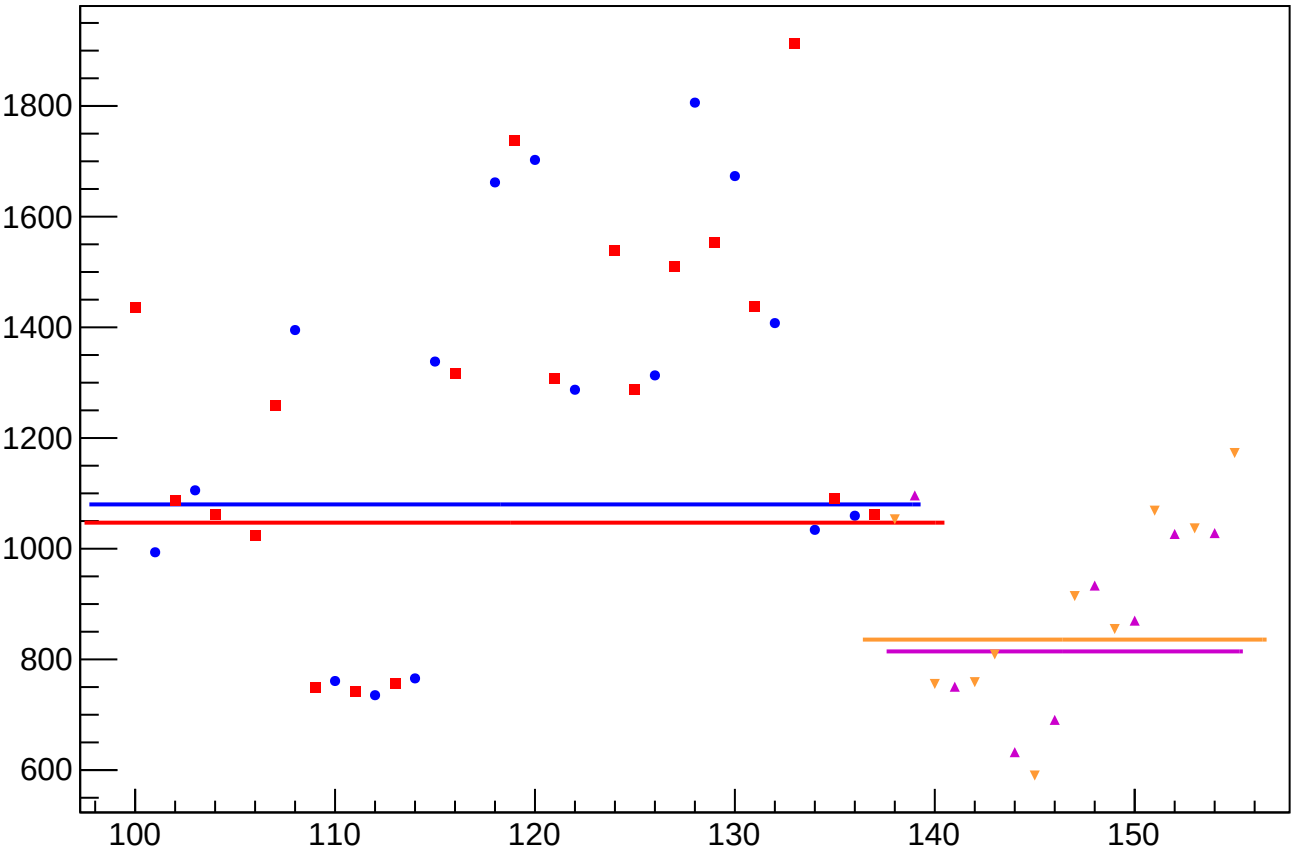
Left: -616.244+/-219.448 χ^2/NDF: 49.4/17

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 99.564+/-251.729 χ^2/NDF:29.5/23

Out: -575.172+/-243.332 χ^2/NDF:64.6/28

All: -249.246+/-174.955 χ^2/NDF: 97.9/52



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 835.784+/-0.217 χ^2/NDF:661027.3/9

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 814.425+/-0.222 χ^2/NDF:510006.3/7

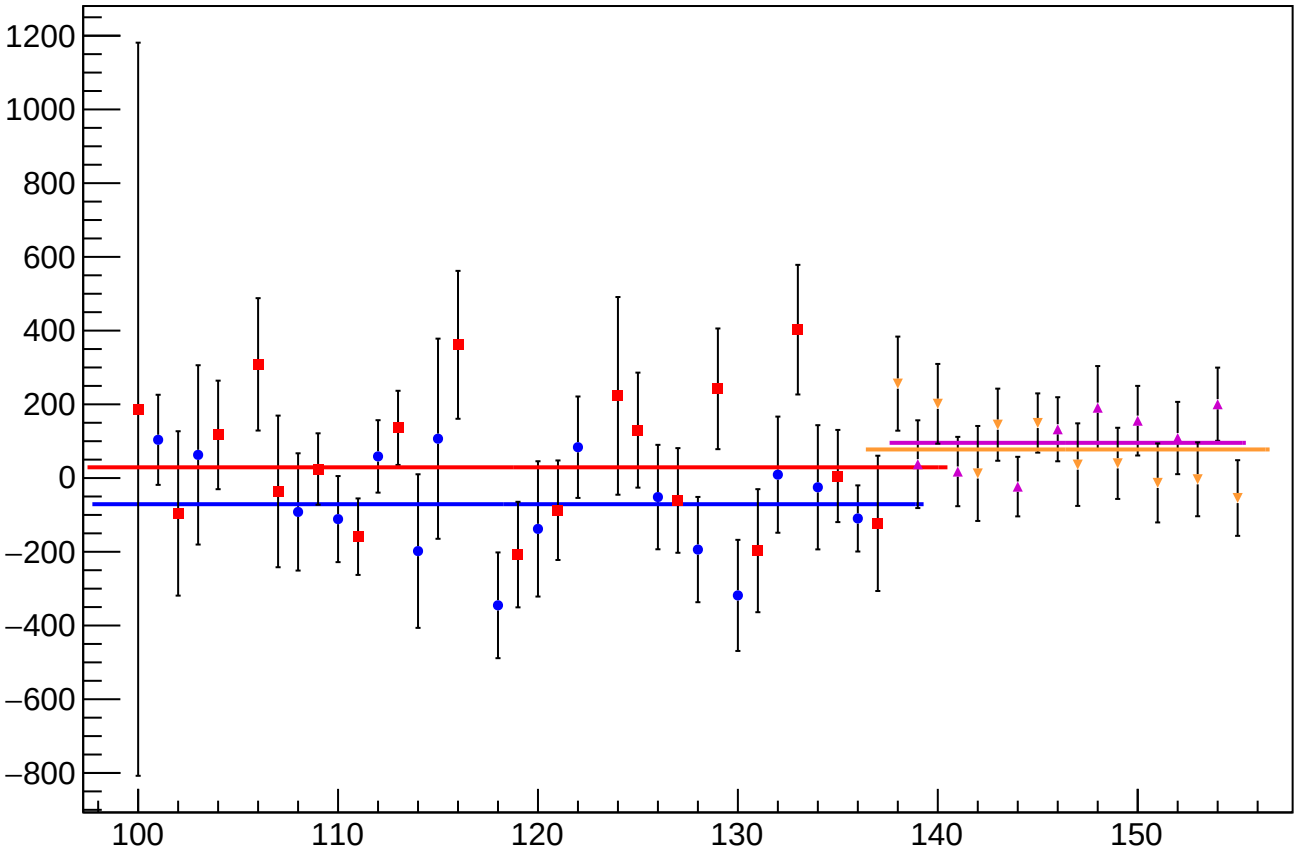
Left: 825.394+/-0.155 χ^2/NDF: 1175766.5/17

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 910.035+/-0.178 χ^2/NDF:2076503.1/23

Out: 913.651+/-0.172 χ^2/NDF:2210585.8/28

All: 911.904+/-0.124 χ^2/NDF: 4287302.3/52



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 77.585+/-32.702 χ^2/NDF:8.1/9

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 95.582+/-33.994 χ^2/NDF:5.5/7

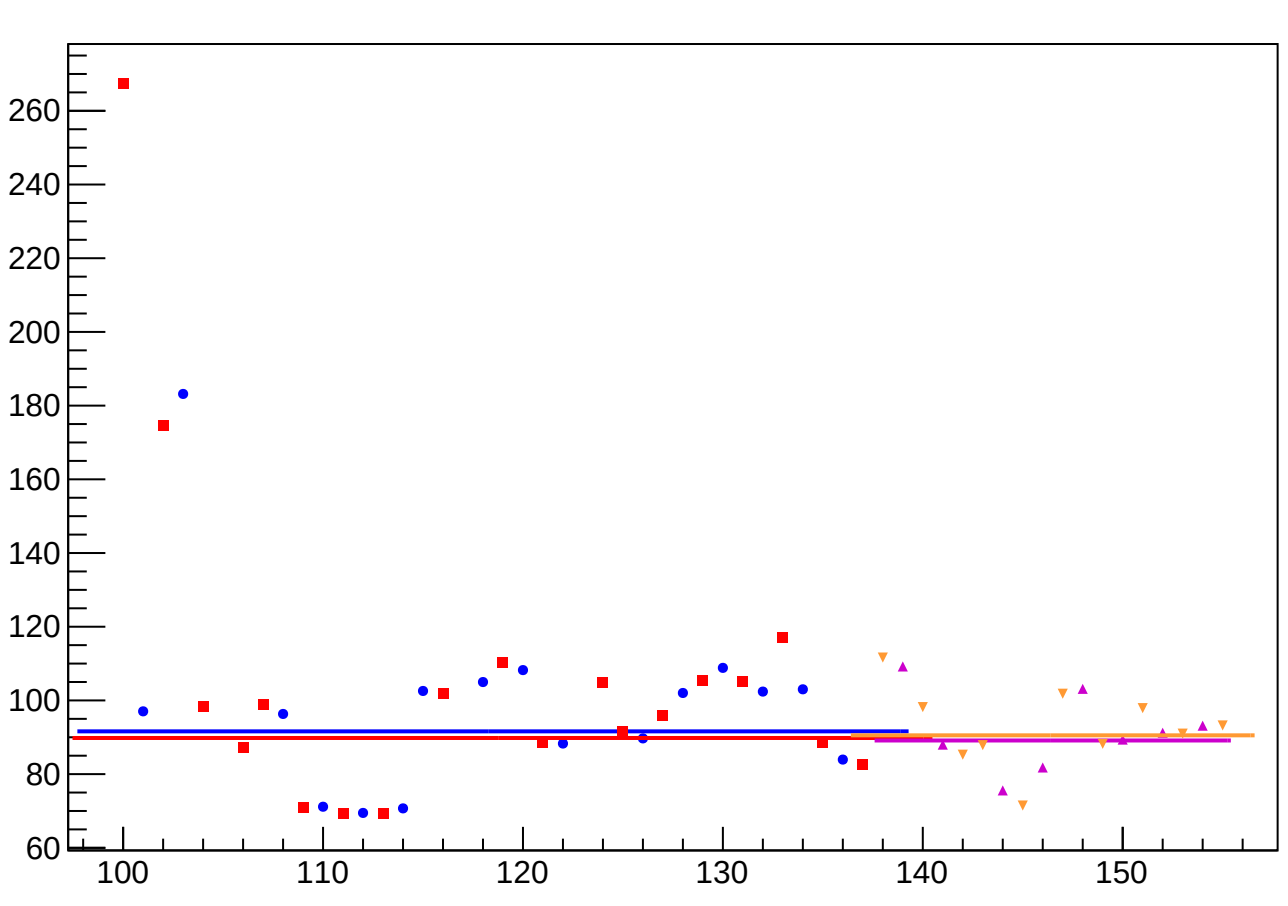
Left: 86.235+/-23.568 χ^2/NDF: 13.8/17

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 15.055+/-24.427 χ^2/NDF:31.2/23

Out: 54.489+/-23.651 χ^2/NDF:33.1/28

All: 35.408+/-16.991 χ^2/NDF: 65.6/52



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.527+/-0.023 χ^2/NDF:214290.7/9

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.128+/-0.024 χ^2/NDF:162748.6/7

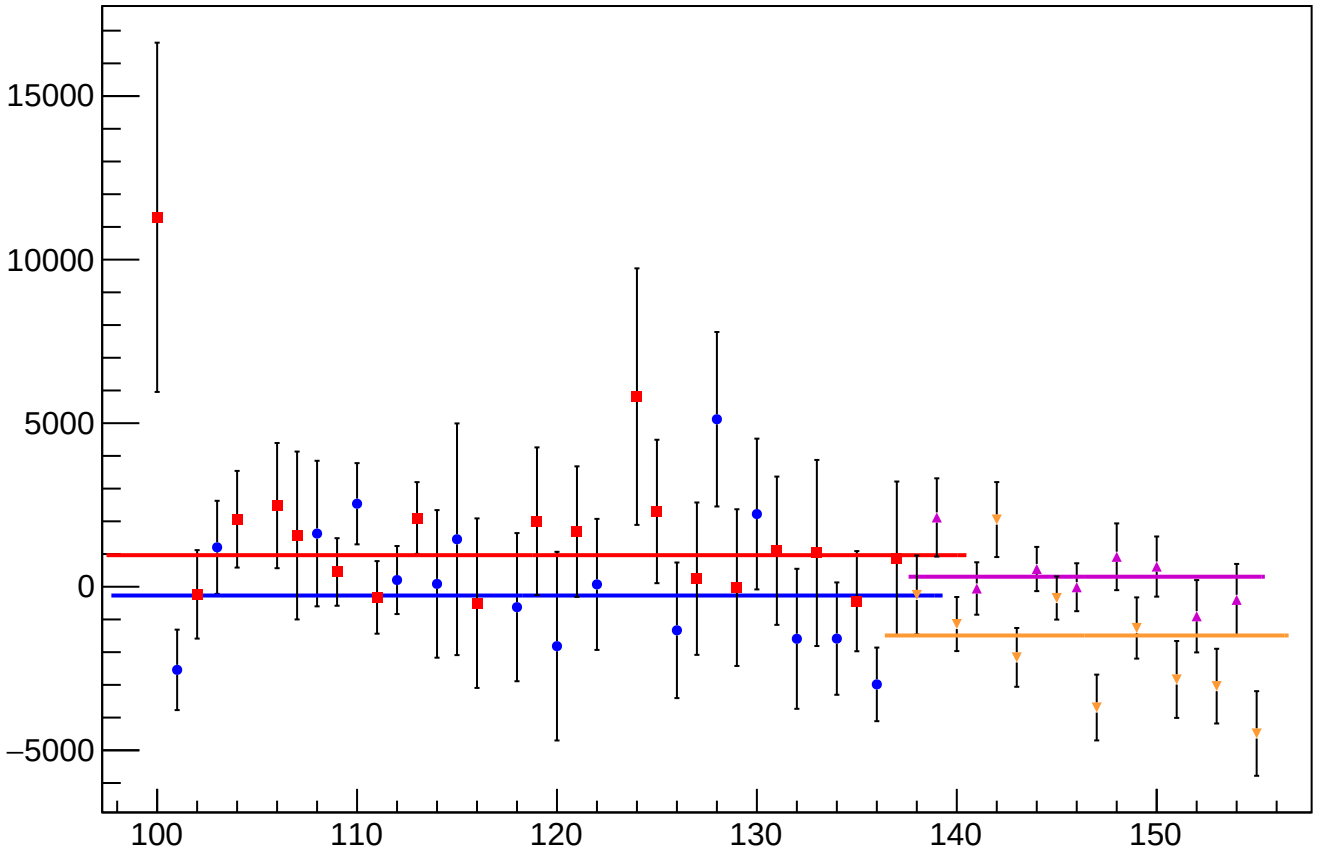
Left: 89.854+/-0.017 χ^2/NDF: 378798.5/17

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.327+/-0.017 χ^2/NDF:748574.2/23

Out: 90.183+/-0.017 χ^2/NDF:961586.1/28

All: 90.253+/-0.012 χ^2/NDF: 1710196.1/52



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1490.222+/-306.215 χ^2/NDF:27.7/9

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 306.552+/-314.649 χ^2/NDF:4.9/7

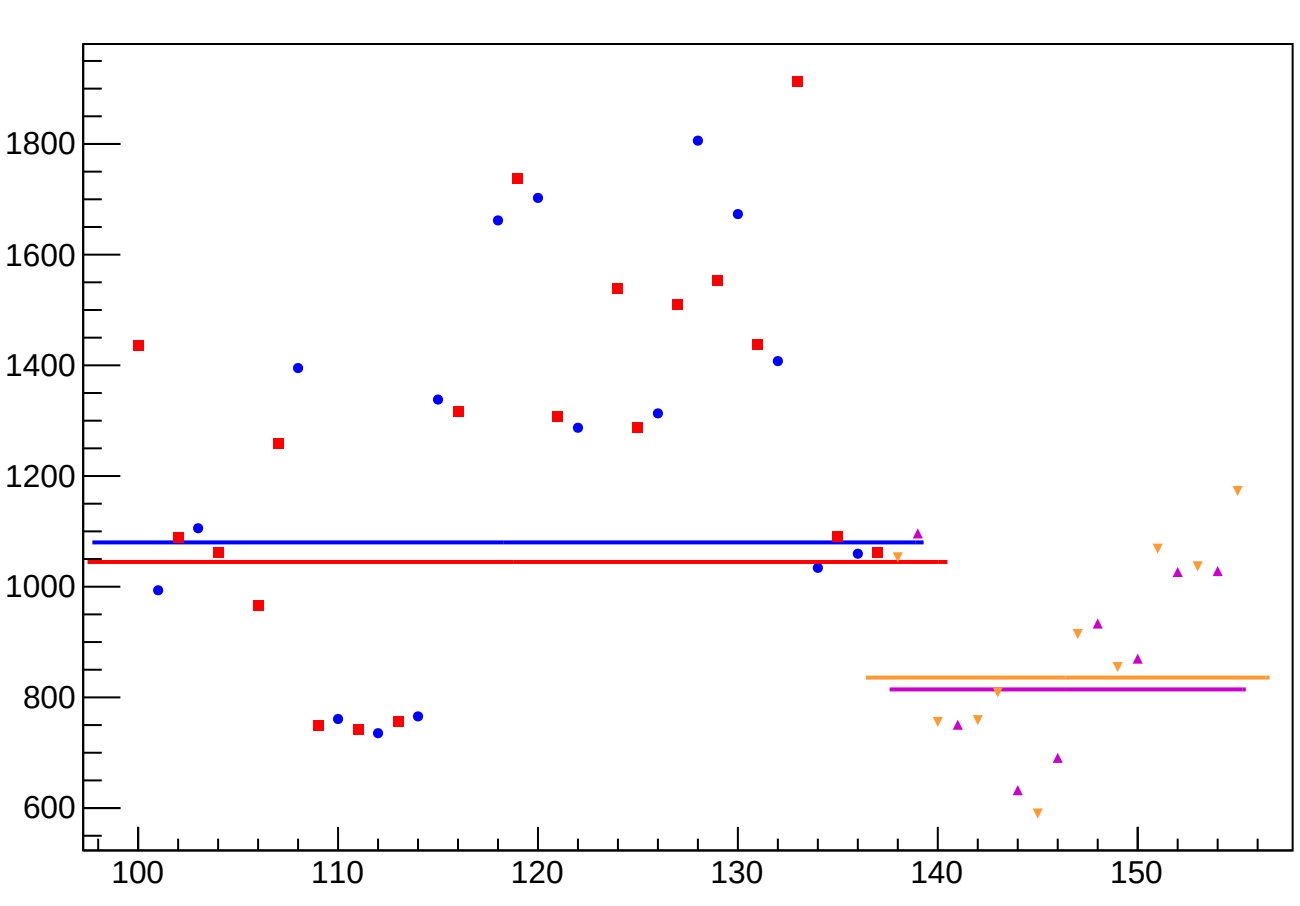
Left: -616.238+/-219.448 χ^2/NDF: 49.4/17

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 99.562+/-251.730 χ^2/NDF:29.5/23

Out: -587.672+/-243.512 χ^2/NDF:63.5/28

All: -255.455+/-175.022 χ^2/NDF: 96.9/52



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 835.783+/-0.217 χ^2/NDF:661029.9/9

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 814.425+/-0.222 χ^2/NDF:510005.7/7

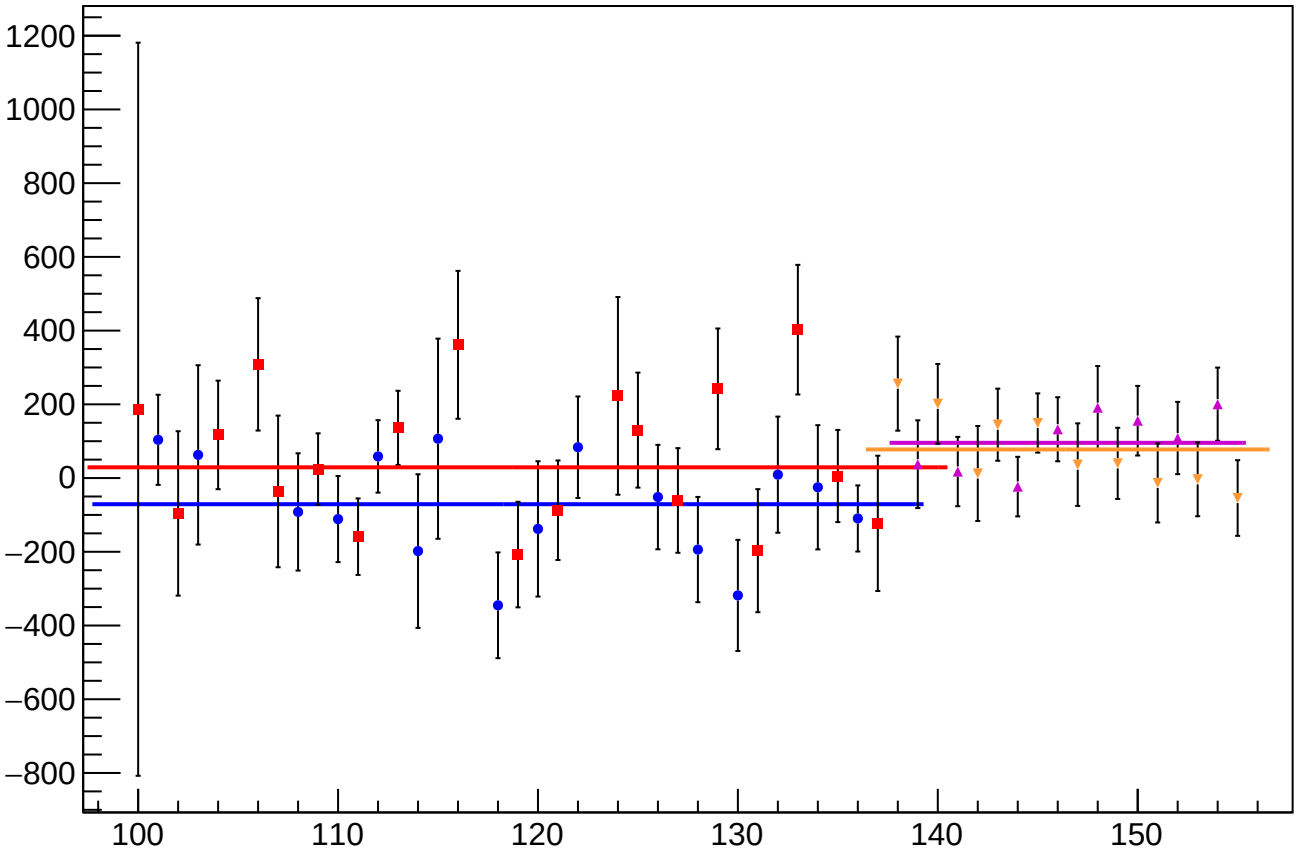
Left: 825.394+/-0.155 χ^2/NDF: 1175768.3/17

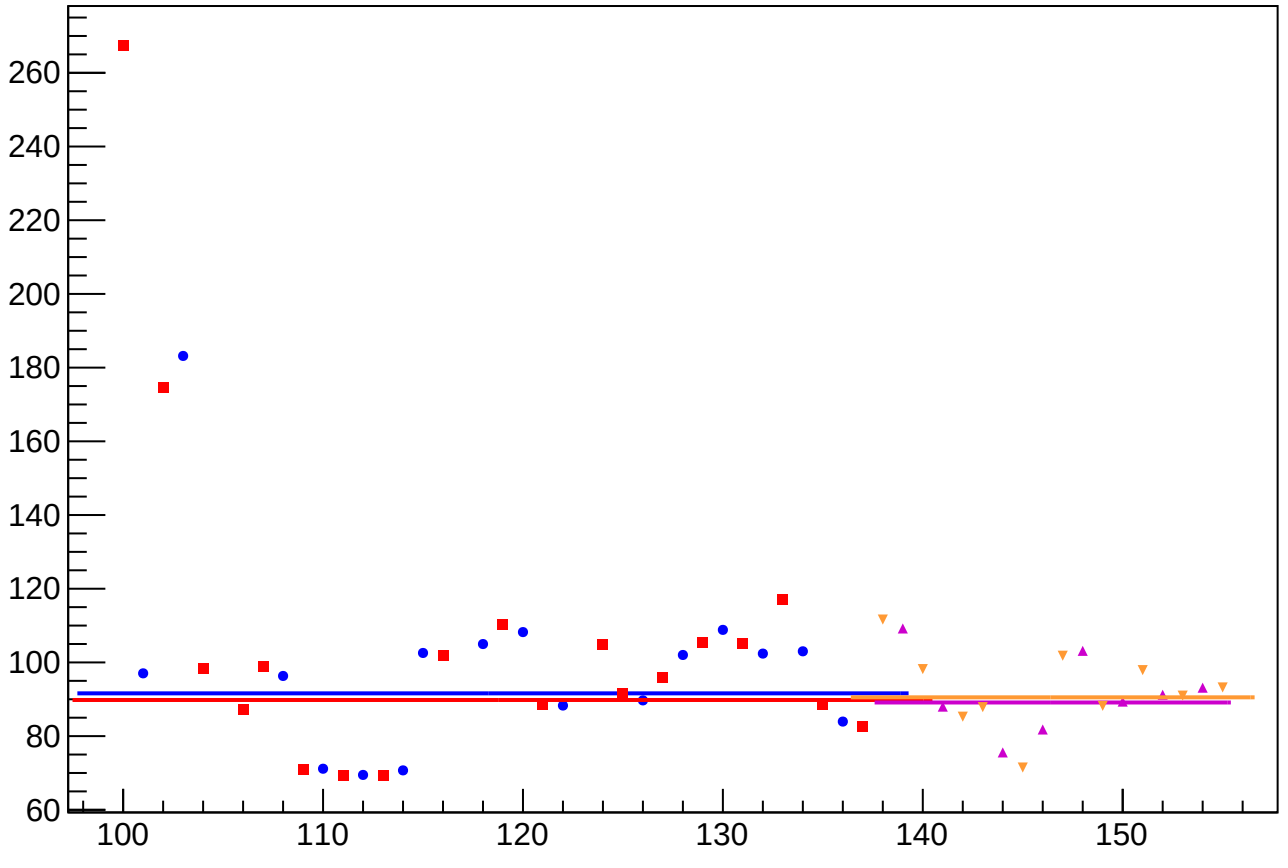
Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 910.037+/-0.178 χ^2/NDF:2076535.6/23

Out: 912.588+/-0.172 χ^2/NDF:2205130.1/28

All: 911.355+/-0.124 χ^2/NDF: 4281771.9/52


eigen_cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
Right In: -70.903+/-35.122 χ²/NDF: 14.1/15
Left Out: 77.585+/-32.702 χ²/NDF:8.1/9
Right Out: 29.159+/-34.247 χ²/NDF: 24.0/18
Left In: 95.582+/-33.994 χ²/NDF:5.5/7
Left: 86.235+/-23.568 χ²/NDF: 13.8/17
Right: -19.610+/-24.520 χ²/NDF: 42.2/34
In: 15.055+/-24.427 χ²/NDF:31.2/23
Out: 54.489+/-23.651 χ²/NDF:33.1/28
All: 35.408+/-16.991 χ²/NDF: 65.6/52



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.527+/-0.023 χ^2/NDF:214290.7/9

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.128+/-0.024 χ^2/NDF:162748.6/7

Left: 89.854+/-0.017 χ^2/NDF: 378798.5/17

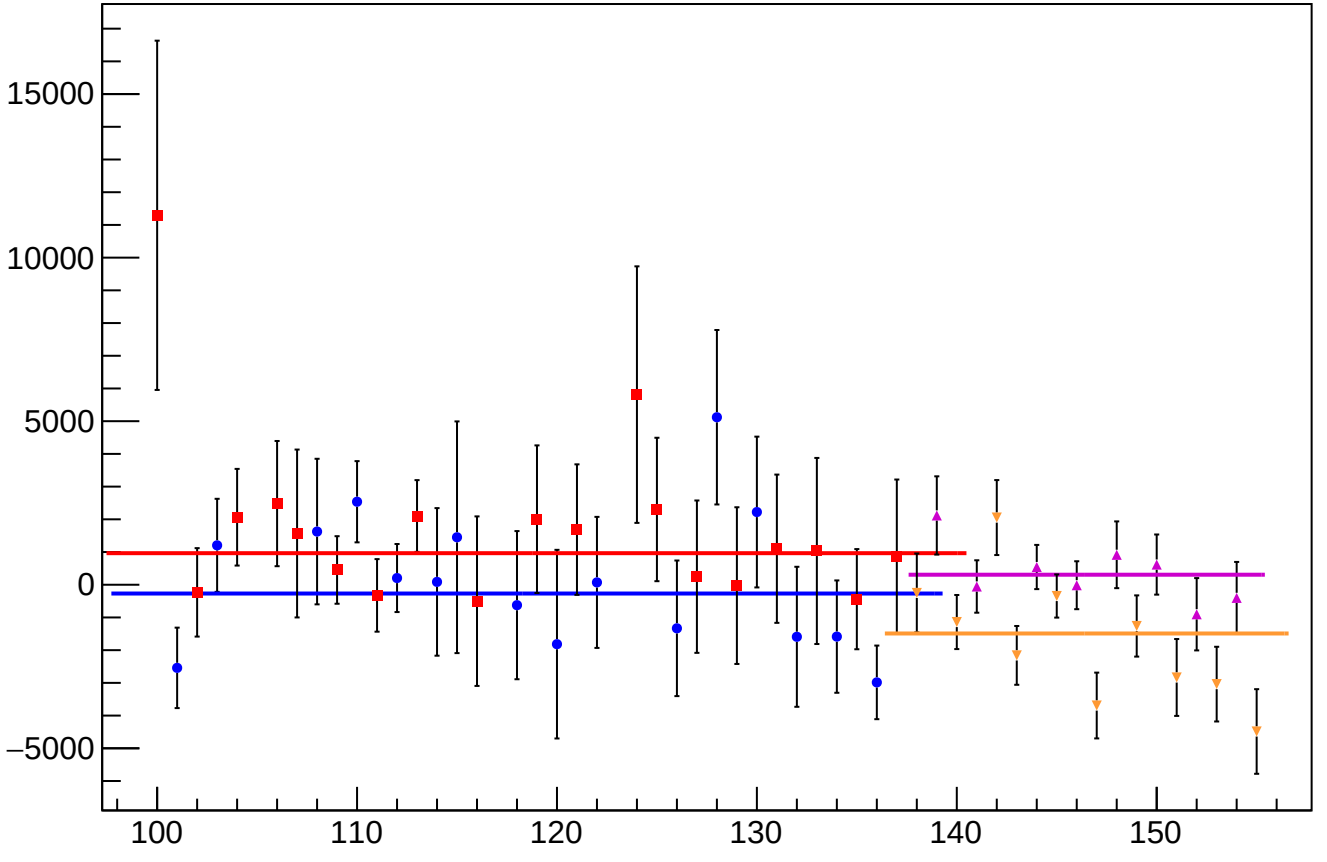
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.327+/-0.017 χ^2/NDF:748574.2/23

Out: 90.183+/-0.017 χ^2/NDF:961586.1/28

All: 90.253+/-0.012 χ^2/NDF: 1710196.1/52

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: -1490.222+/-306.215 χ^2/NDF:27.7/9

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 306.552+/-314.649 χ^2/NDF:4.9/7

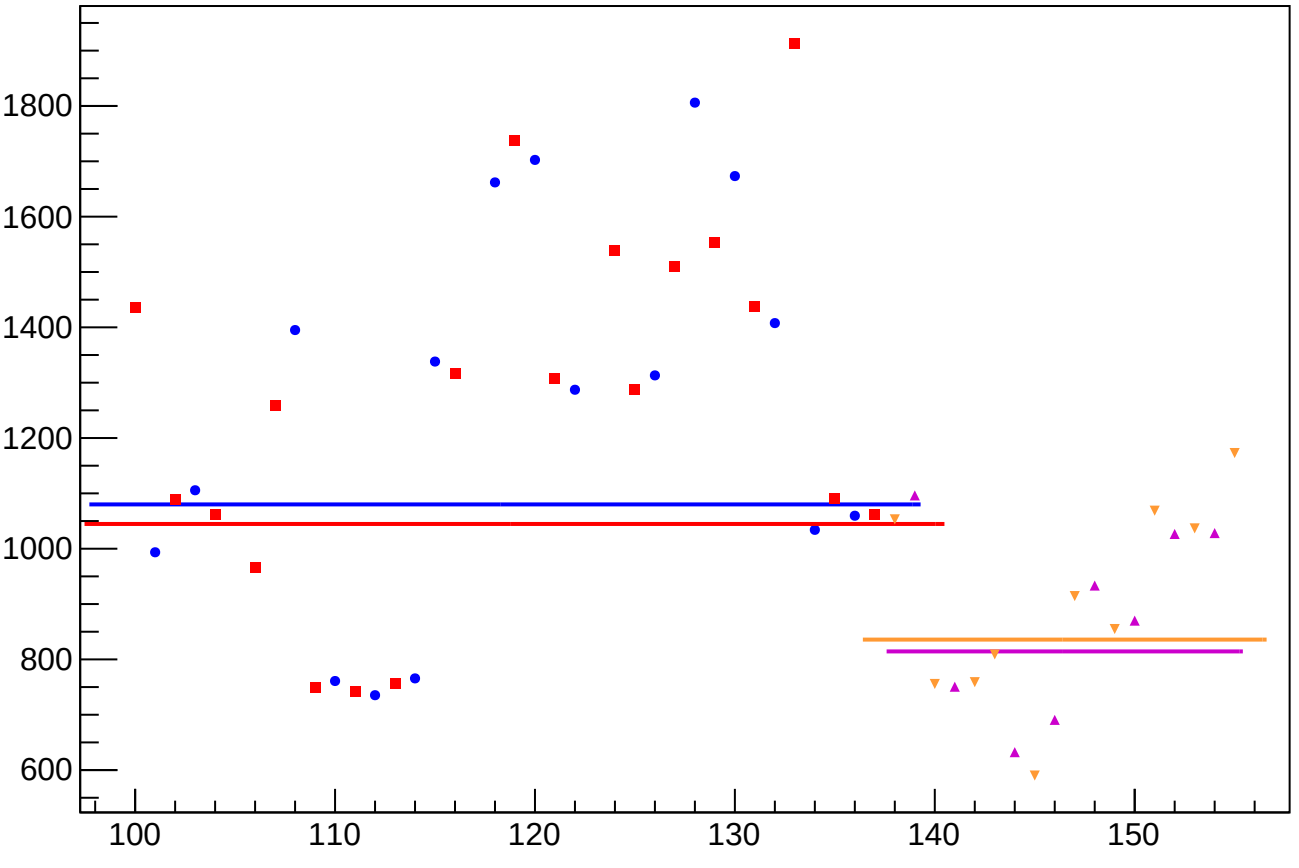
Left: -616.238+/-219.448 χ^2/NDF: 49.4/17

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 99.562+/-251.730 χ^2/NDF:29.5/23

Out: -587.672+/-243.512 χ^2/NDF:63.5/28

All: -255.455+/-175.022 χ^2/NDF: 96.9/52



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 835.783+/-0.217 χ^2/NDF:661029.9/9

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 814.425+/-0.222 χ^2/NDF:510005.7/7

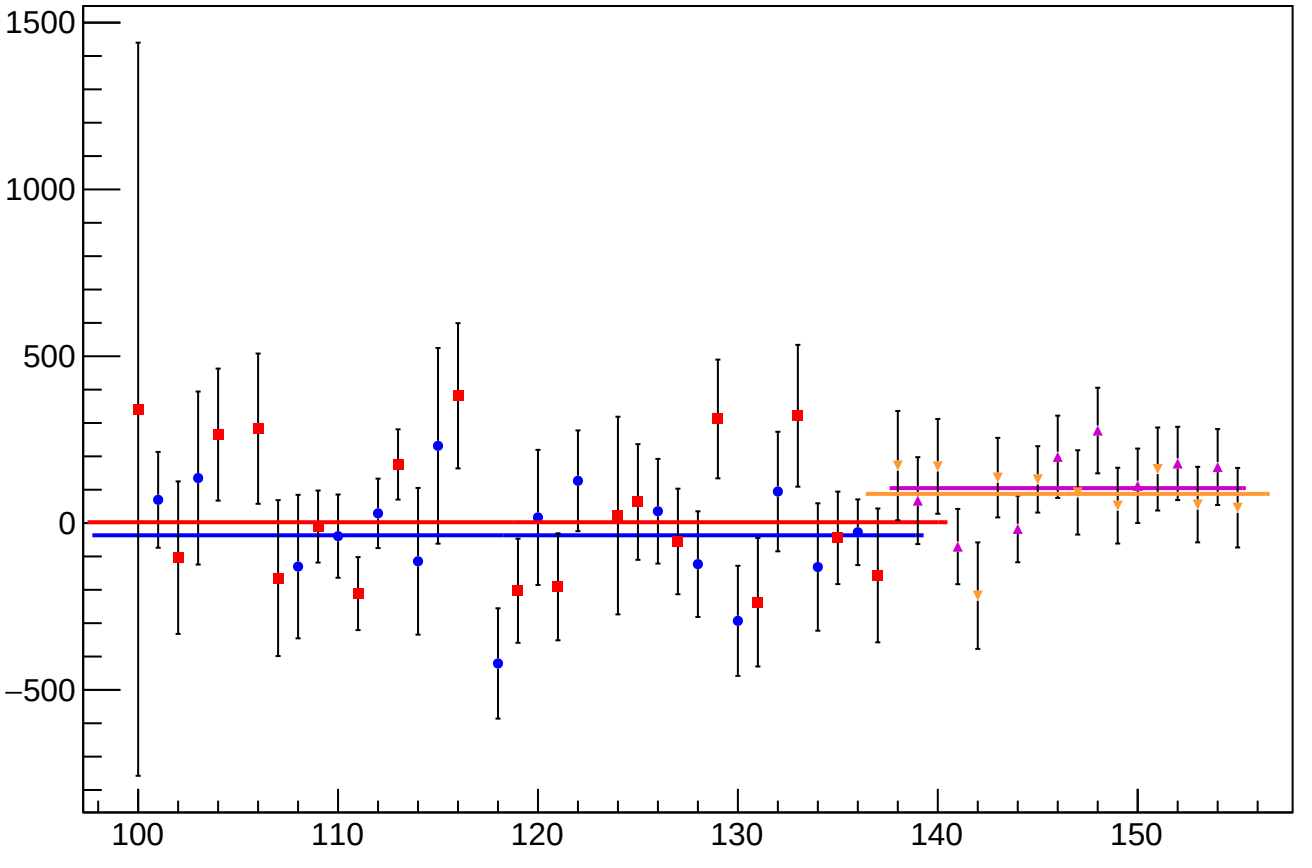
Left: 825.394+/-0.155 χ^2/NDF: 1175768.3/17

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 910.037+/-0.178 χ^2/NDF:2076535.6/23

Out: 912.588+/-0.172 χ^2/NDF:2205130.1/28

All: 911.355+/-0.124 χ^2/NDF: 4281771.9/52



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 87.558+/-39.200 χ^2/NDF:5.3/9

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 104.811+/-40.670 χ^2/NDF:7.1/7

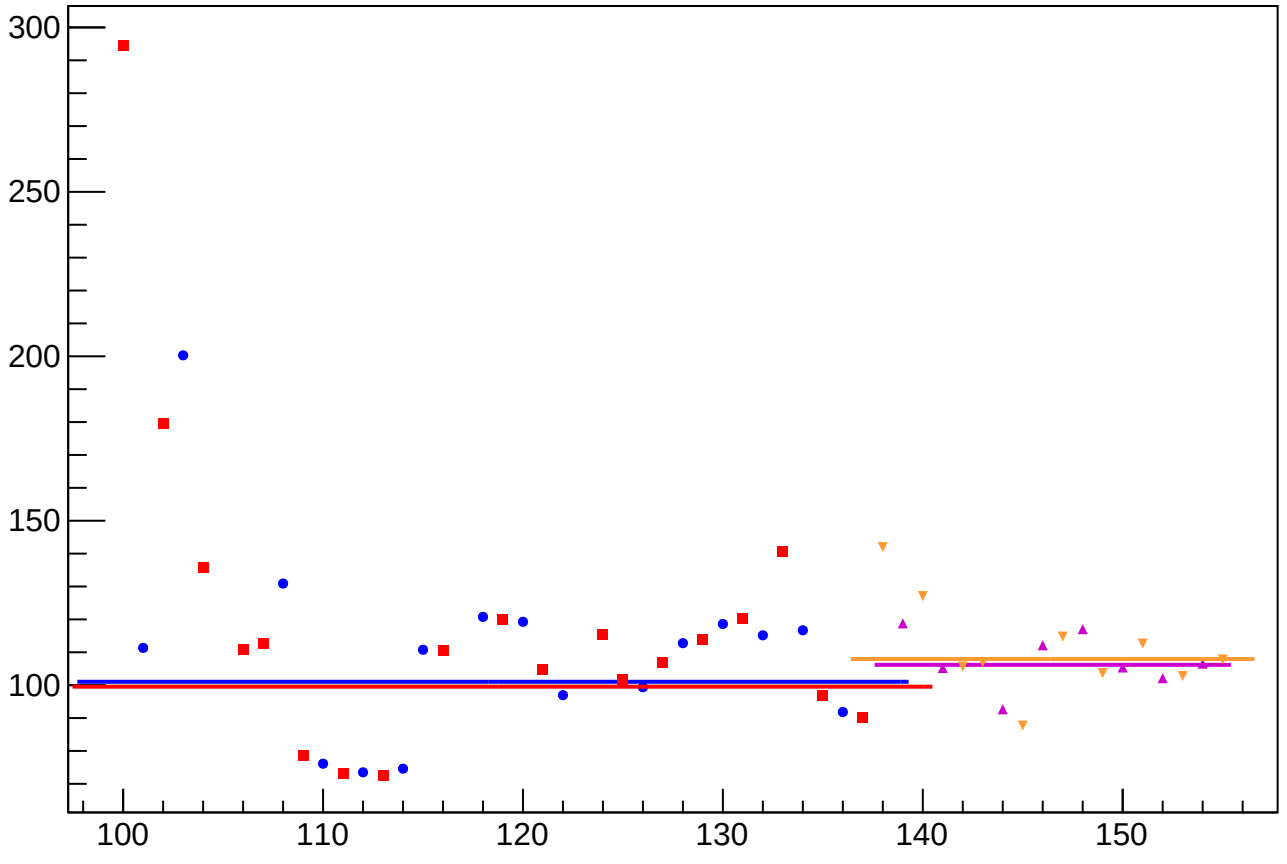
Left: 95.867+/-28.224 χ^2/NDF: 12.5/17

Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 31.130+/-28.146 χ^2/NDF:26.3/23

Out: 43.926+/-27.345 χ^2/NDF:32.4/28

All: 37.713+/-19.613 χ^2/NDF: 58.9/52



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 107.946+/-0.028 χ^2/NDF:221839.2/9

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 106.178+/-0.029 χ^2/NDF:77241.3/7

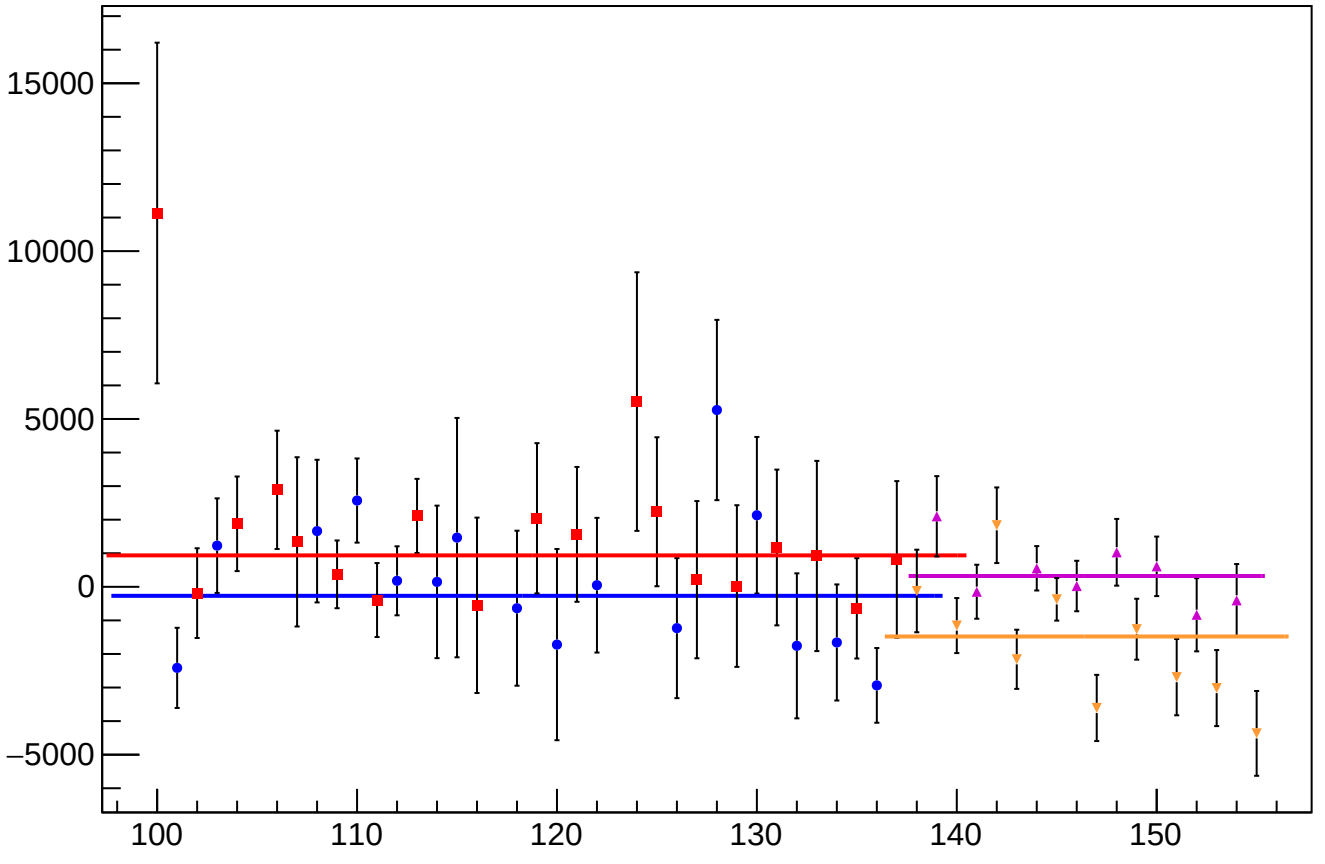
Left: 107.095+/-0.020 χ^2/NDF: 301040.1/17

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.496+/-0.020 χ^2/NDF:810028.6/23

Out: 103.634+/-0.019 χ^2/NDF:1149475.4/28

All: 103.567+/-0.014 χ^2/NDF: 1959528.8/52



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1479.333+/-299.640 χ^2/NDF:26.6/9

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 322.881+/-311.806 χ^2/NDF:5.0/7

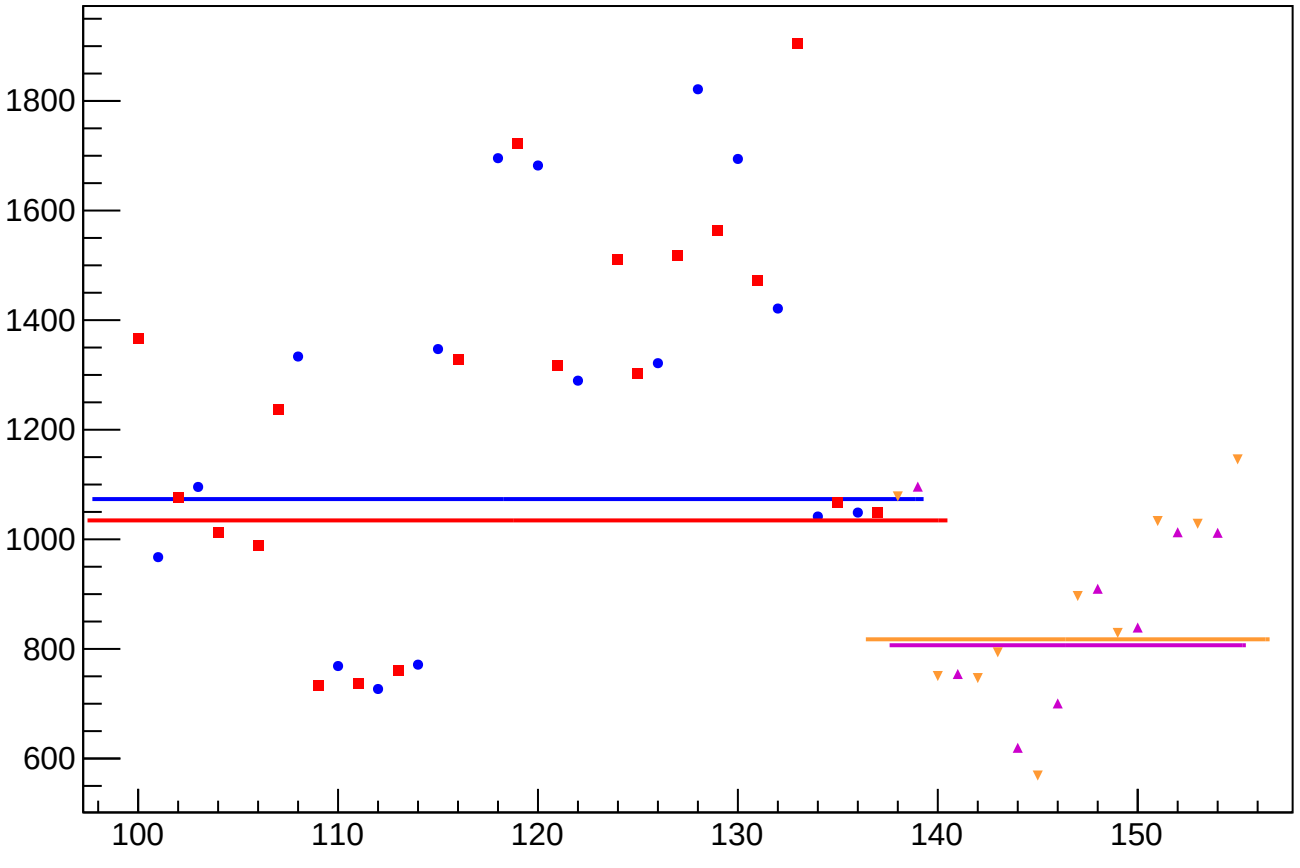
Left: -614.070+/-216.051 χ^2/NDF: 49.0/17

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 111.067+/-249.729 χ^2/NDF:29.8/23

Out: -600.333+/-238.997 χ^2/NDF:63.4/28

All: -260.248+/-172.666 χ^2/NDF: 97.4/52



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 817.546+/-0.212 χ^2/NDF:710006.0/9

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 806.723+/-0.220 χ^2/NDF:493526.3/7

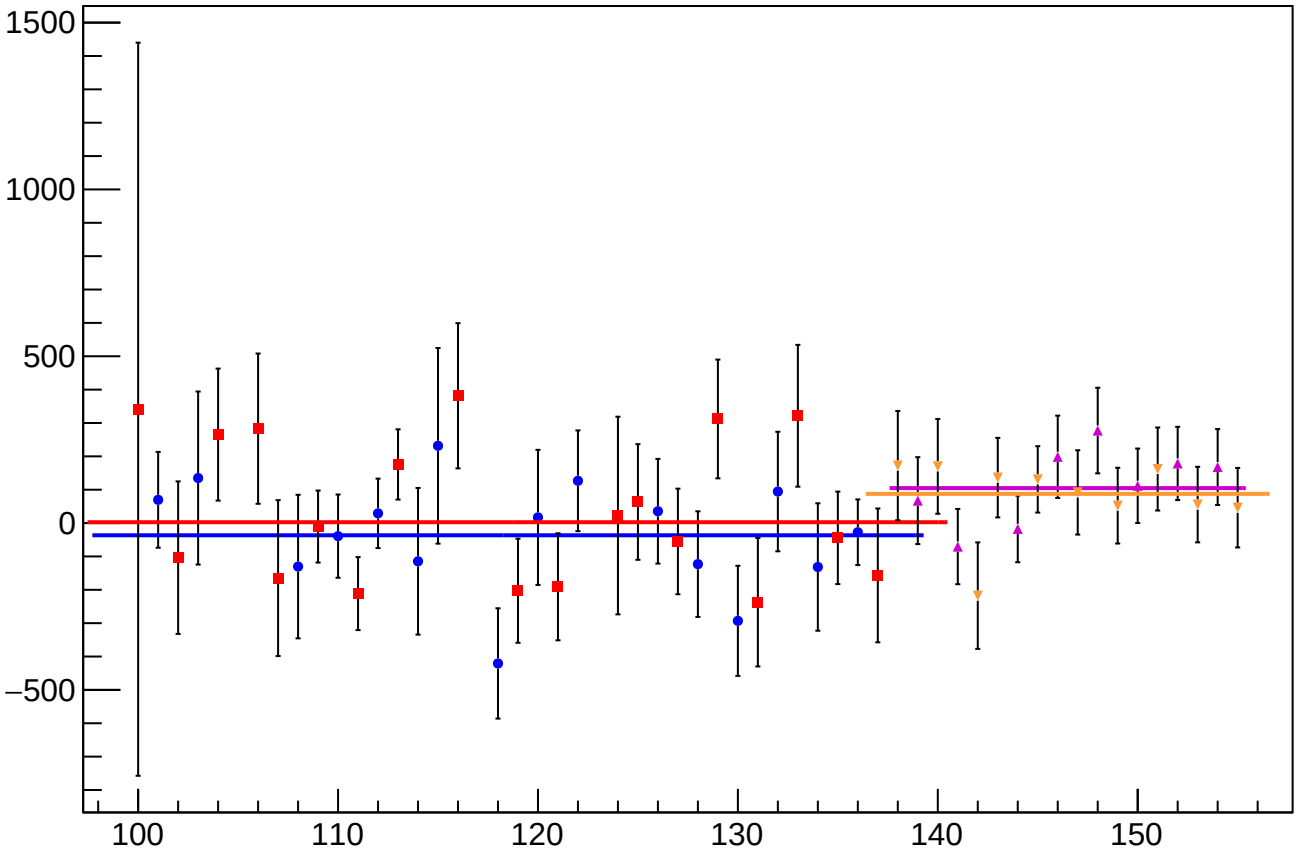
Left: 812.350+/-0.153 χ^2/NDF: 1204785.1/17

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 902.358+/-0.177 χ^2/NDF:2095329.1/23

Out: 896.490+/-0.169 χ^2/NDF:2320927.7/28

All: 899.295+/-0.122 χ^2/NDF: 4416833.1/52



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 87.559+/-39.200 χ^2/NDF:5.3/9

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 104.812+/-40.670 χ^2/NDF:7.1/7

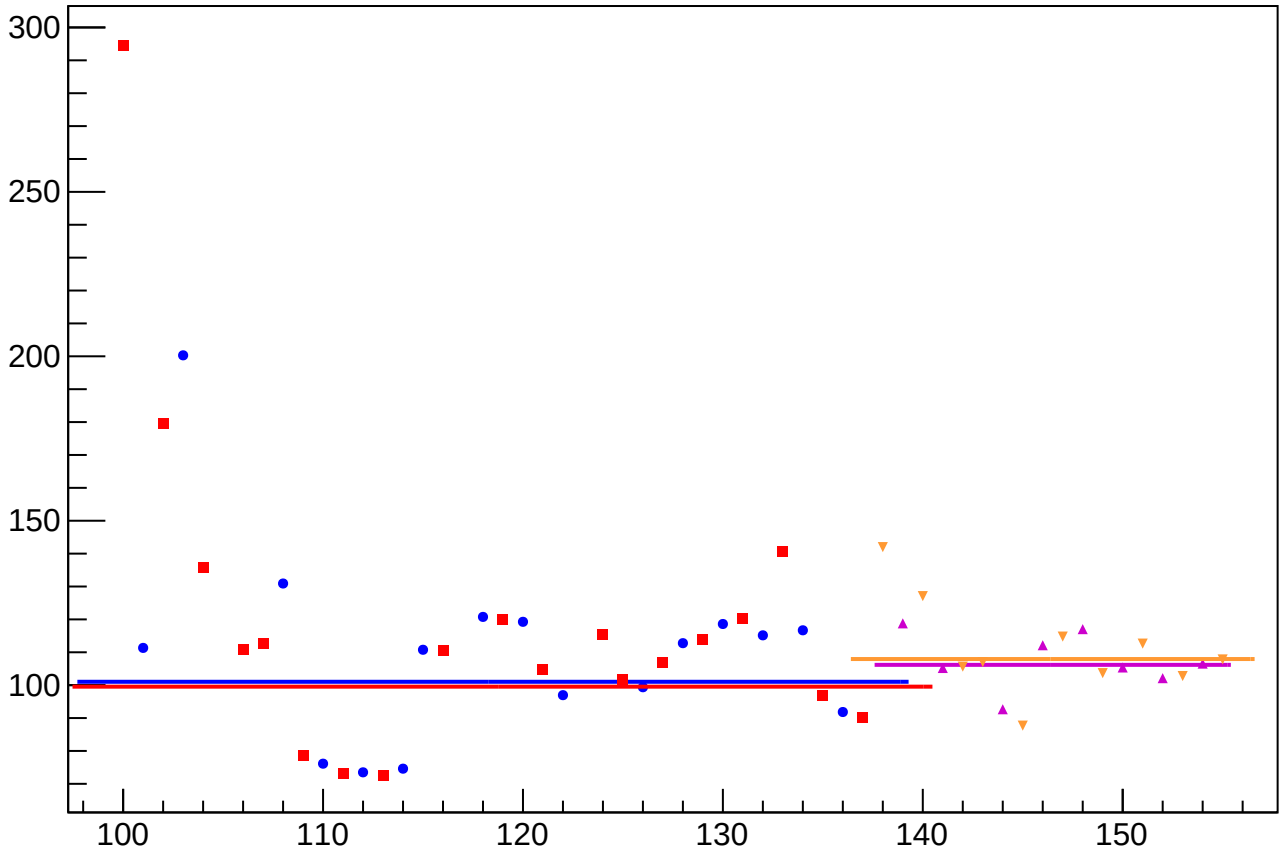
Left: 95.868+/-28.224 χ^2/NDF: 12.5/17

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 31.131+/-28.146 χ^2/NDF:26.3/23

Out: 43.925+/-27.345 χ^2/NDF:32.4/28

All: 37.713+/-19.613 χ^2/NDF: 58.9/52



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 107.947+/-0.028 χ^2/NDF:221832.1/9

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 106.179+/-0.029 χ^2/NDF:77238.4/7

Left: 107.095+/-0.020 χ^2/NDF: 301030.2/17

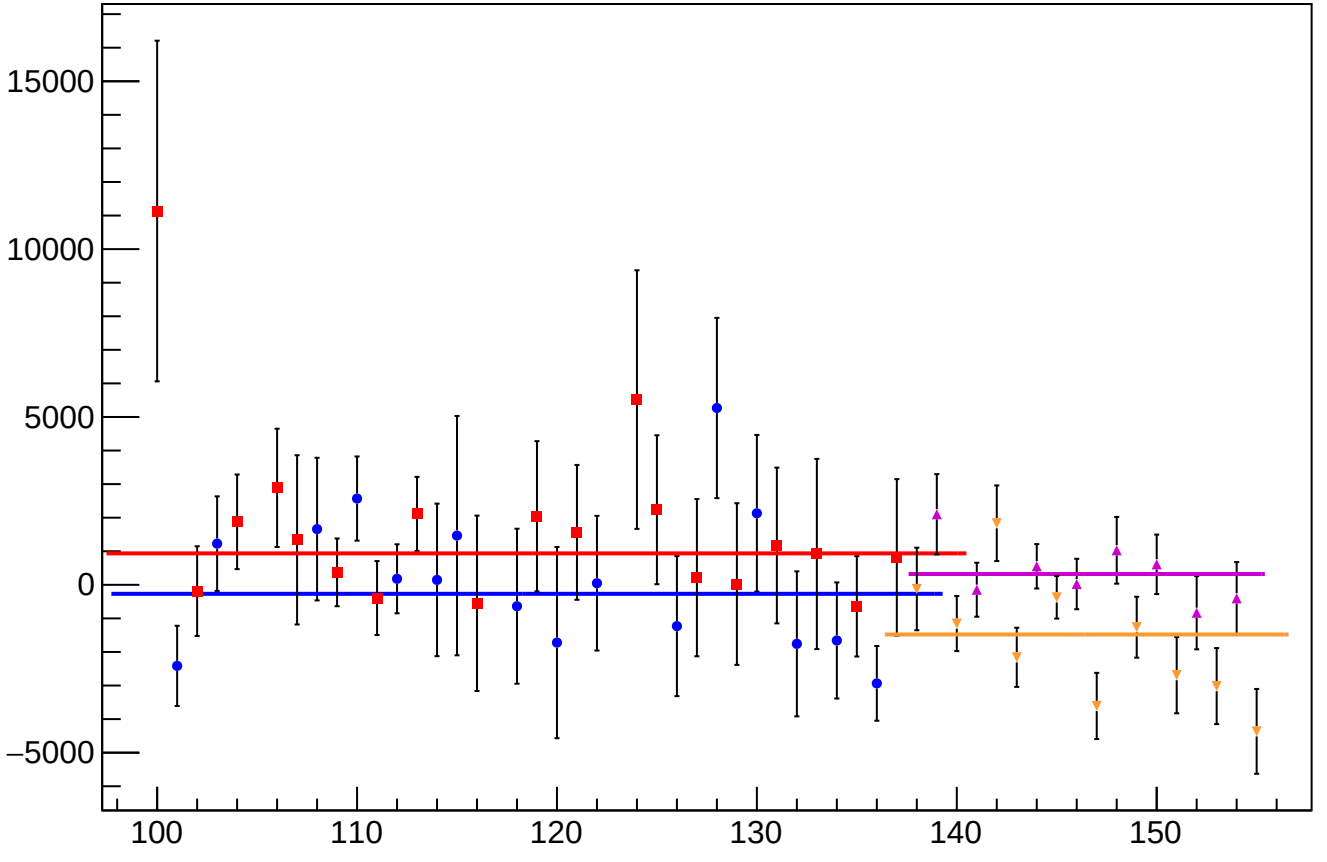
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.497+/-0.020 χ^2/NDF:810026.4/23

Out: 103.635+/-0.019 χ^2/NDF:1149474.6/28

All: 103.568+/-0.014 χ^2/NDF: 1959525.8/52

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: -1479.332+/-299.640 χ^2/NDF:26.6/9

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 322.880+/-311.806 χ^2/NDF:5.0/7

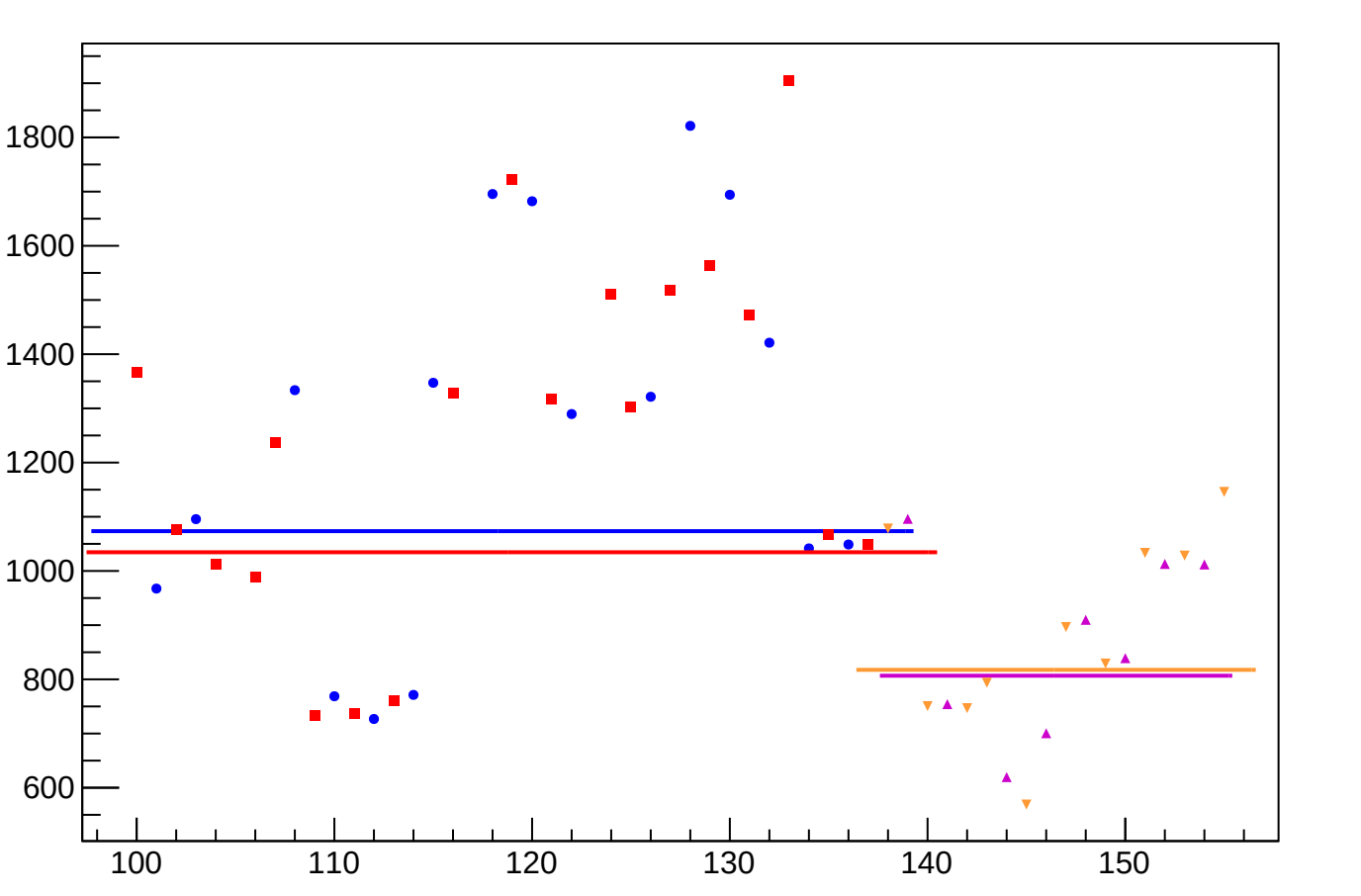
Left: -614.070+/-216.050 χ^2/NDF: 49.0/17

Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 111.067+/-249.729 χ^2/NDF:29.8/23

Out: -600.333+/-238.996 χ^2/NDF:63.4/28

All: -260.248+/-172.666 χ^2/NDF: 97.4/52



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 817.545+/-0.212 χ^2/NDF:710009.1/9

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 806.723+/-0.220 χ^2/NDF:493525.7/7

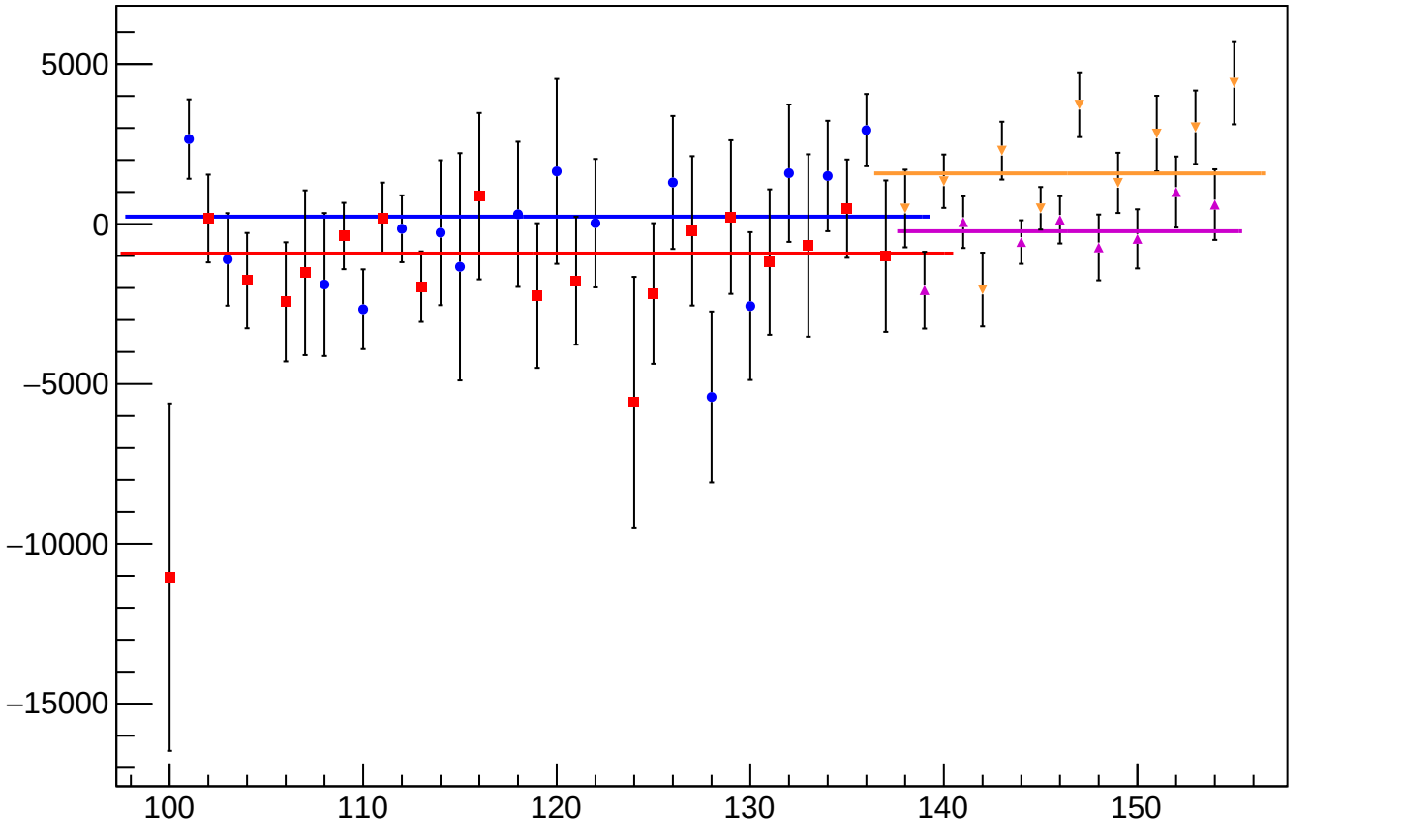
Left: 812.349+/-0.153 χ^2/NDF: 1204787.5/17

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 902.357+/-0.177 χ^2/NDF:2095331.2/23

Out: 896.489+/-0.169 χ^2/NDF:2320932.9/28

All: 899.294+/-0.122 χ^2/NDF: 4416840.5/52



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1582.288+/-308.134 χ^2/NDF:26.2/9

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -225.921+/-316.610 χ^2/NDF:5.0/7

Left: 702.710+/-220.819 χ^2/NDF: 48.0/17

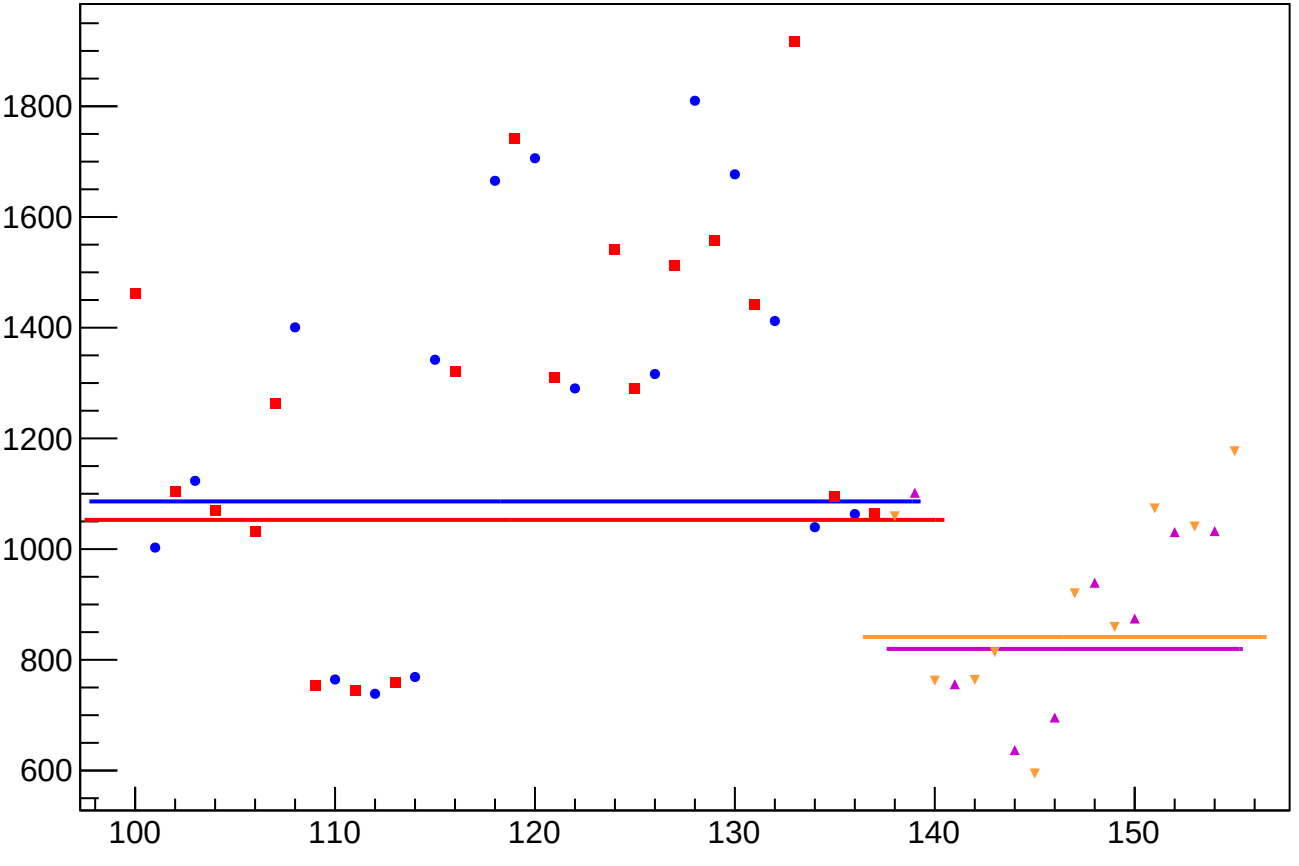
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -62.536+/-253.221 χ^2/NDF:30.2/23

Out: 658.063+/-244.804 χ^2/NDF:61.8/28

All: 309.939+/-176.003 χ^2/NDF: 96.2/52

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 841.254+/-0.218 χ^2/NDF:653166.8/9

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 819.695+/-0.224 χ^2/NDF:504285.3/7

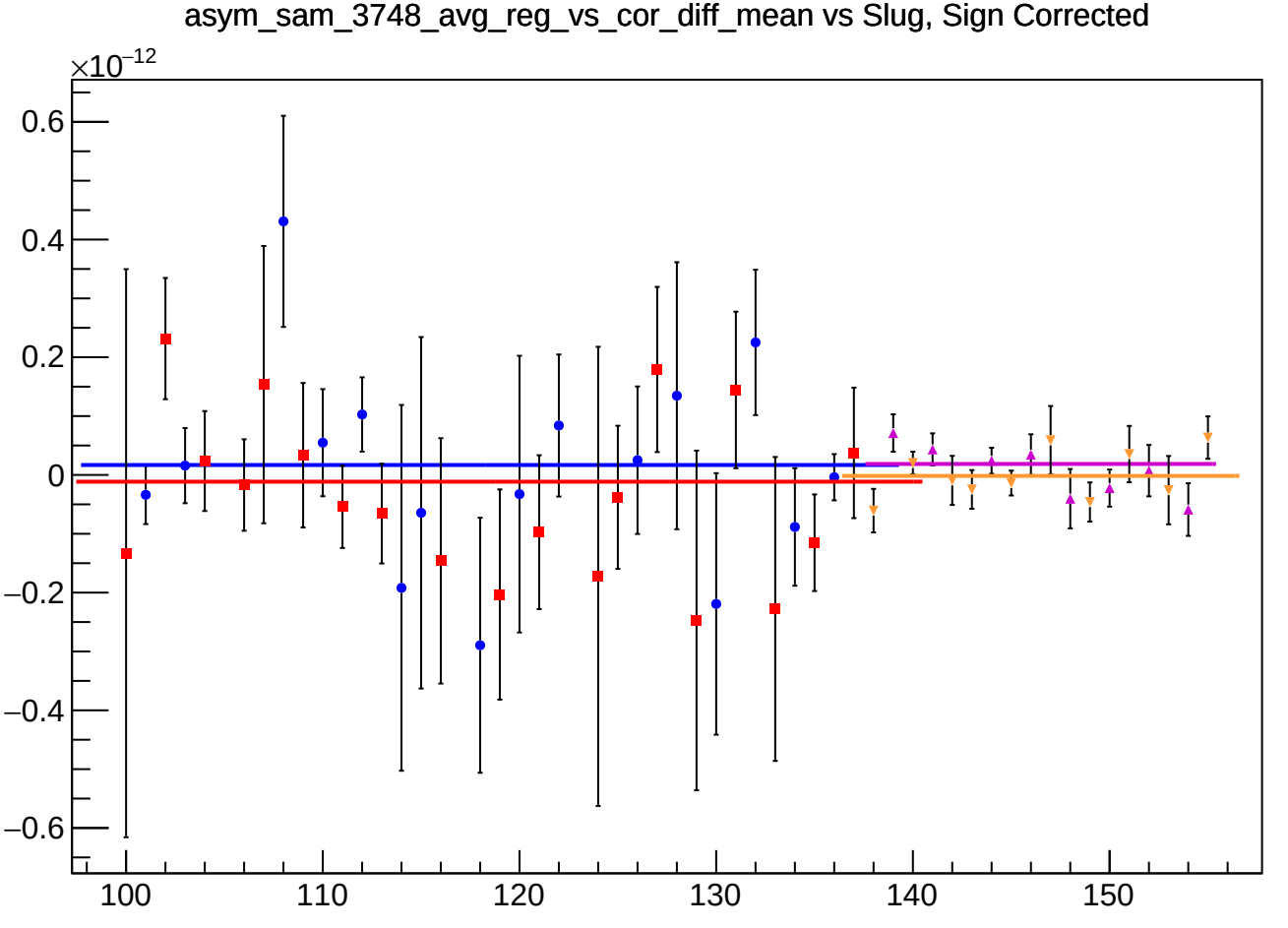
Left: 830.767+/-0.156 χ^2/NDF: 1162214.6/17

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 915.704+/-0.179 χ^2/NDF:2062149.8/23

Out: 919.286+/-0.173 χ^2/NDF:2195359.3/28

All: 917.556+/-0.124 χ^2/NDF: 4257716.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/9

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/7

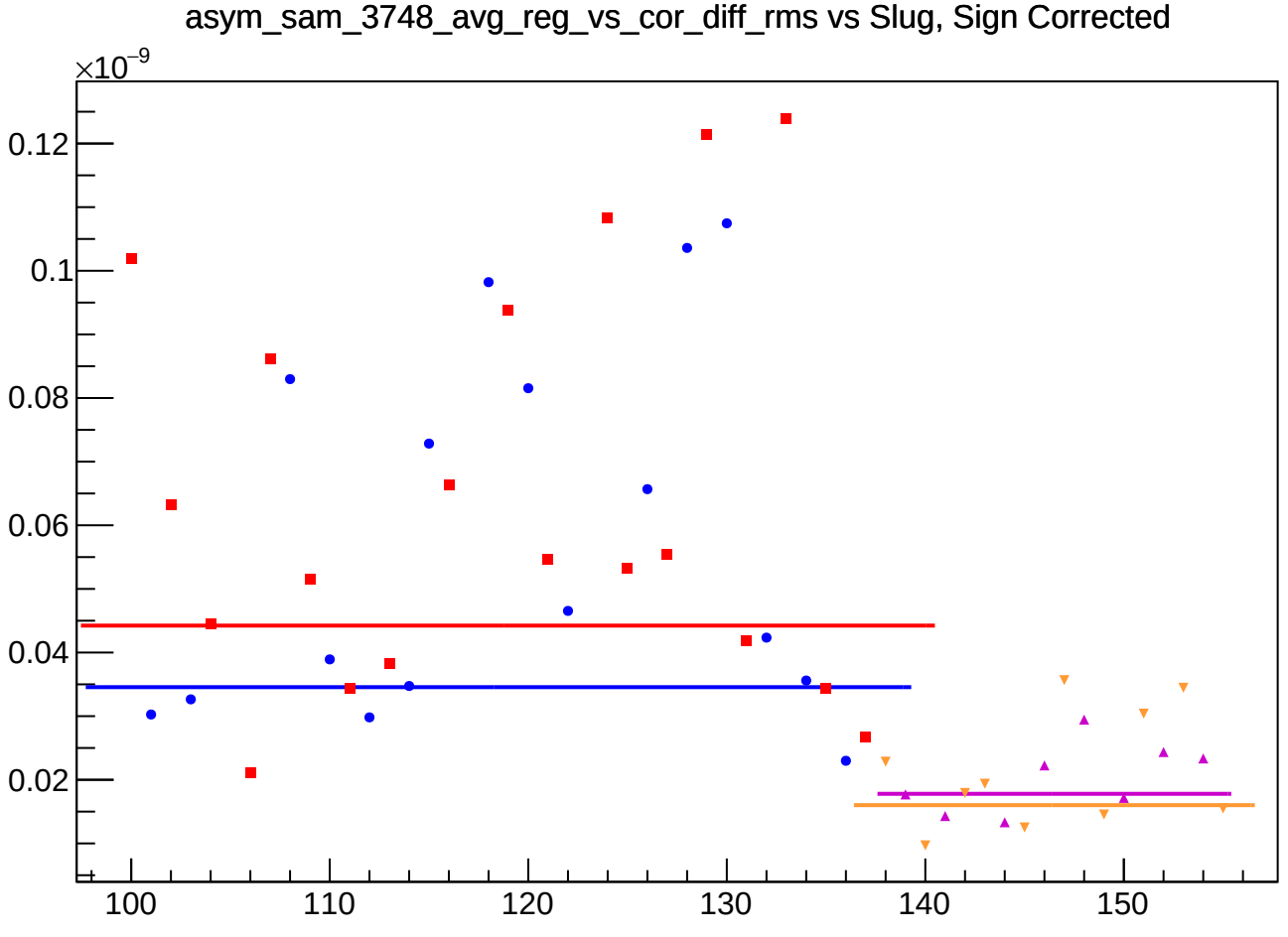
Left: 0.000+/-0.000 χ^2/NDF: 23.3/17

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:26.9/23

Out: -0.000+/-0.000 χ^2/NDF:27.5/28

All: 0.000+/-0.000 χ^2/NDF: 56.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:979795.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:331718.7/7

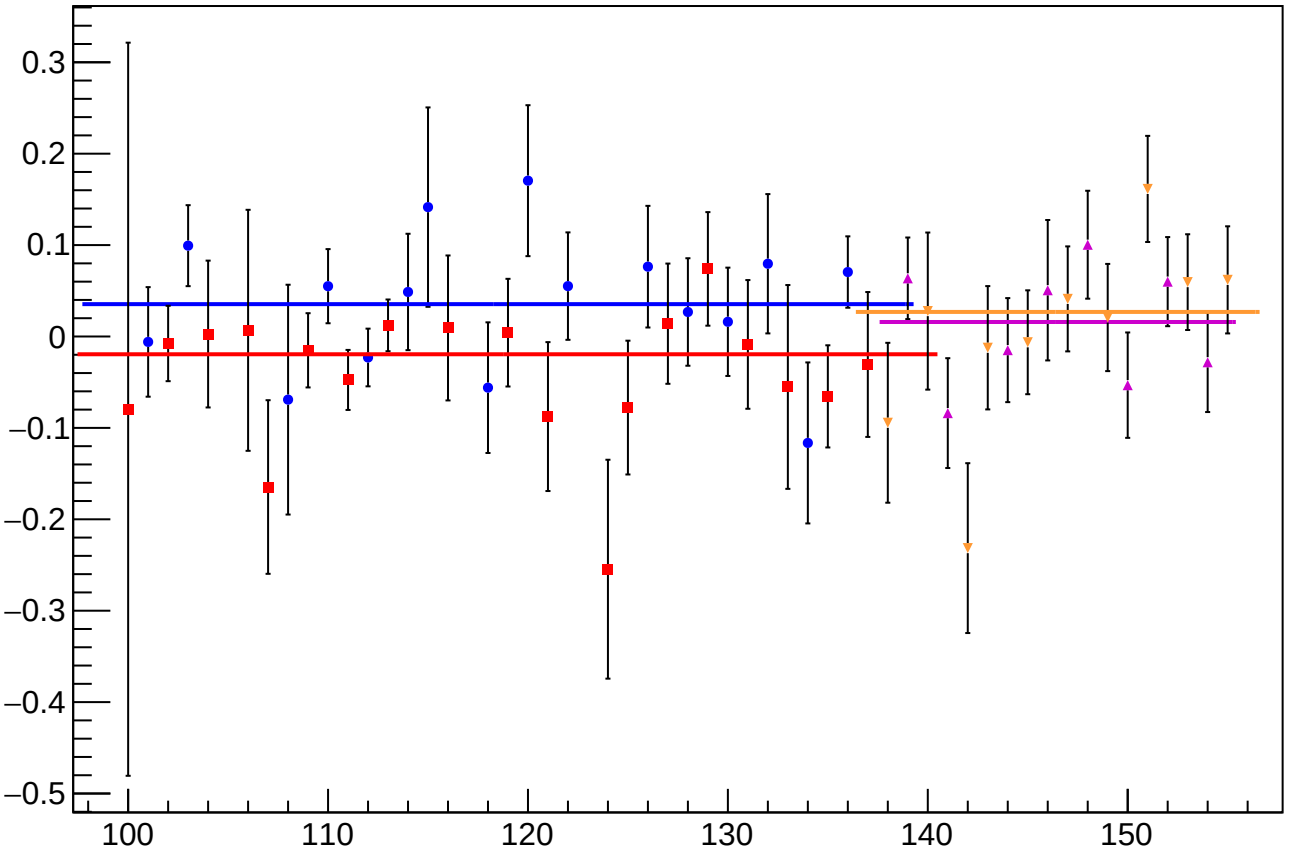
Left: 0.000+/-0.000 χ^2/NDF: 1338860.7/17

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2445963.9/23

Out: 0.000+/-0.000 χ^2/NDF:3984770.2/28

All: 0.000+/-0.000 χ^2/NDF: 6469929.7/52



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.027+/-0.020 χ^2/NDF:16.5/9

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.016+/-0.020 χ^2/NDF:9.4/7

Left: 0.021+/-0.014 χ^2/NDF: 26.0/17

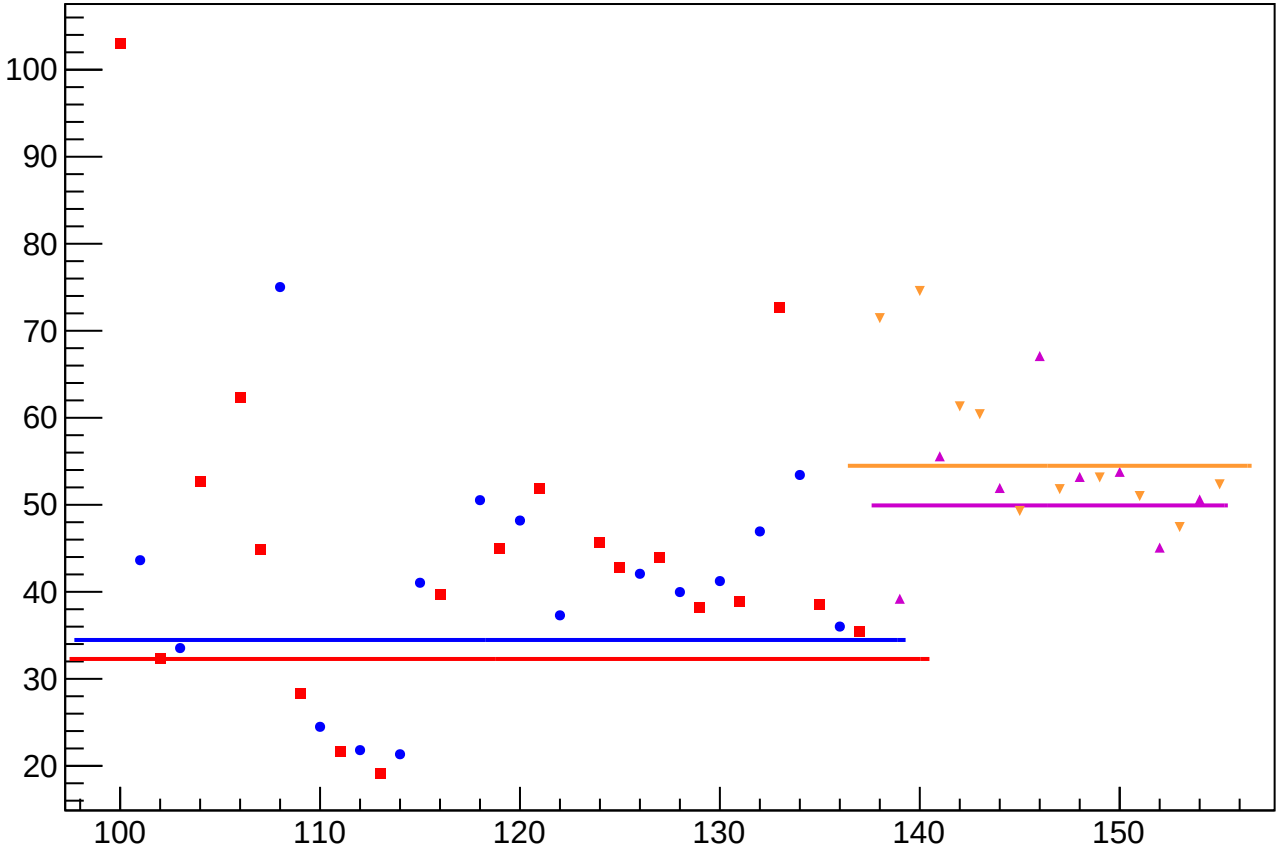
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.029+/-0.011 χ^2/NDF:27.0/23

Out: -0.006+/-0.011 χ^2/NDF:33.6/28

All: 0.011+/-0.008 χ^2/NDF: 65.4/52

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 54.485+/-0.014 χ^2/NDF:278867.6/9

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.930+/-0.014 χ^2/NDF:270677.5/7

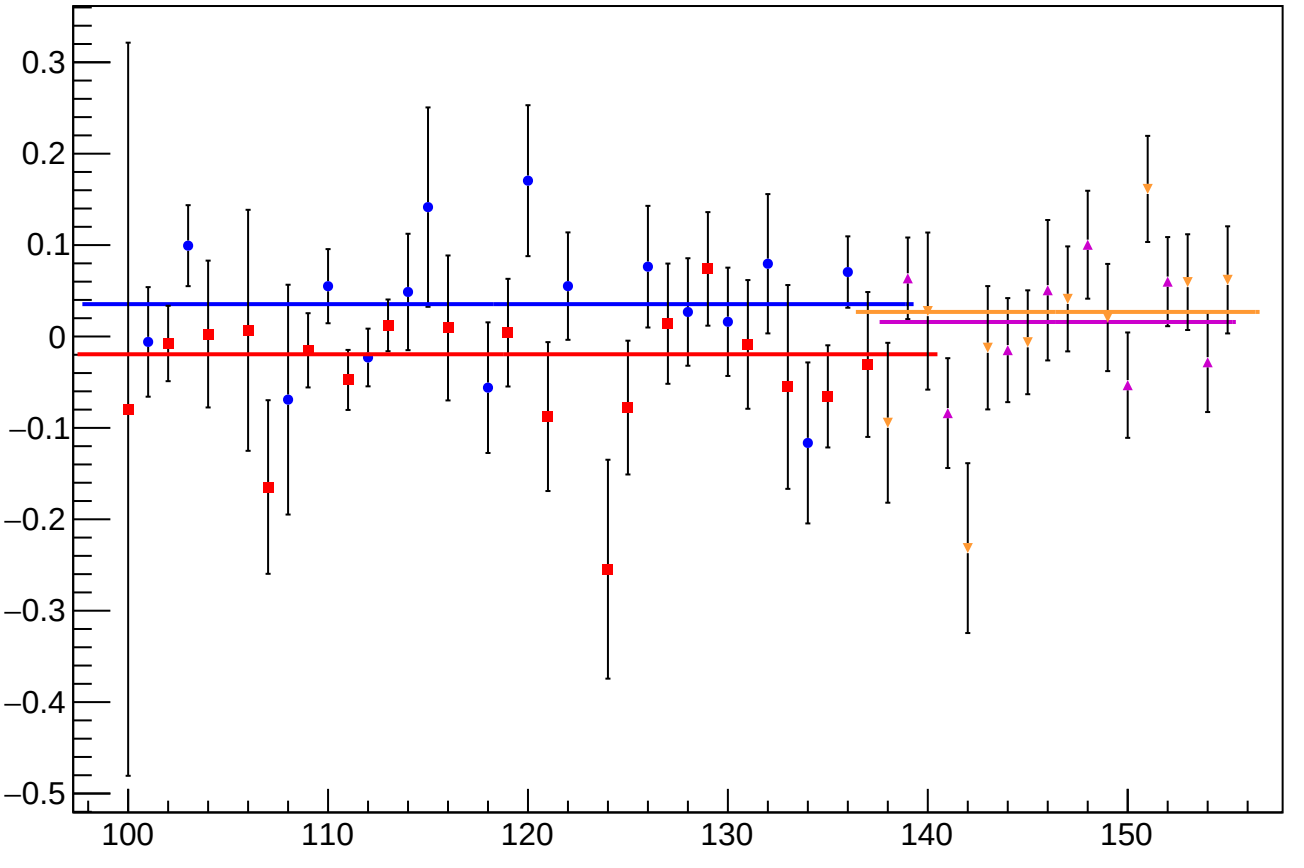
Left: 52.142+/-0.010 χ^2/NDF: 601999.2/17

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.637+/-0.008 χ^2/NDF:2270321.7/23

Out: 38.887+/-0.008 χ^2/NDF:3653662.5/28

All: 39.251+/-0.006 χ^2/NDF: 5928500.6/52



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.027+/-0.020 χ^2/NDF:16.5/9

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.016+/-0.020 χ^2/NDF:9.4/7

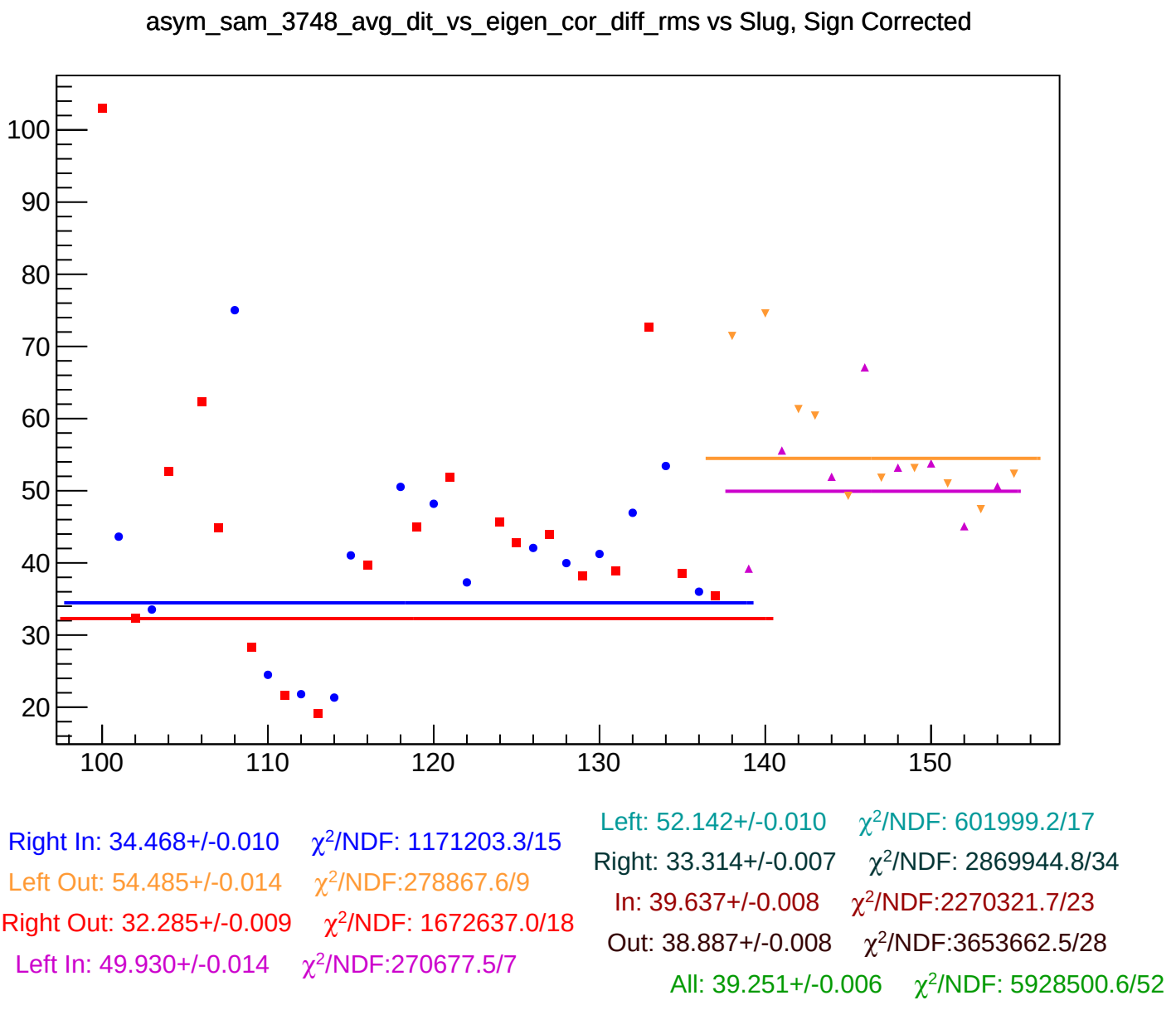
Left: 0.021+/-0.014 χ^2/NDF: 26.0/17

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.029+/-0.011 χ^2/NDF:27.0/23

Out: -0.006+/-0.011 χ^2/NDF:33.6/28

All: 0.011+/-0.008 χ^2/NDF: 65.4/52


asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
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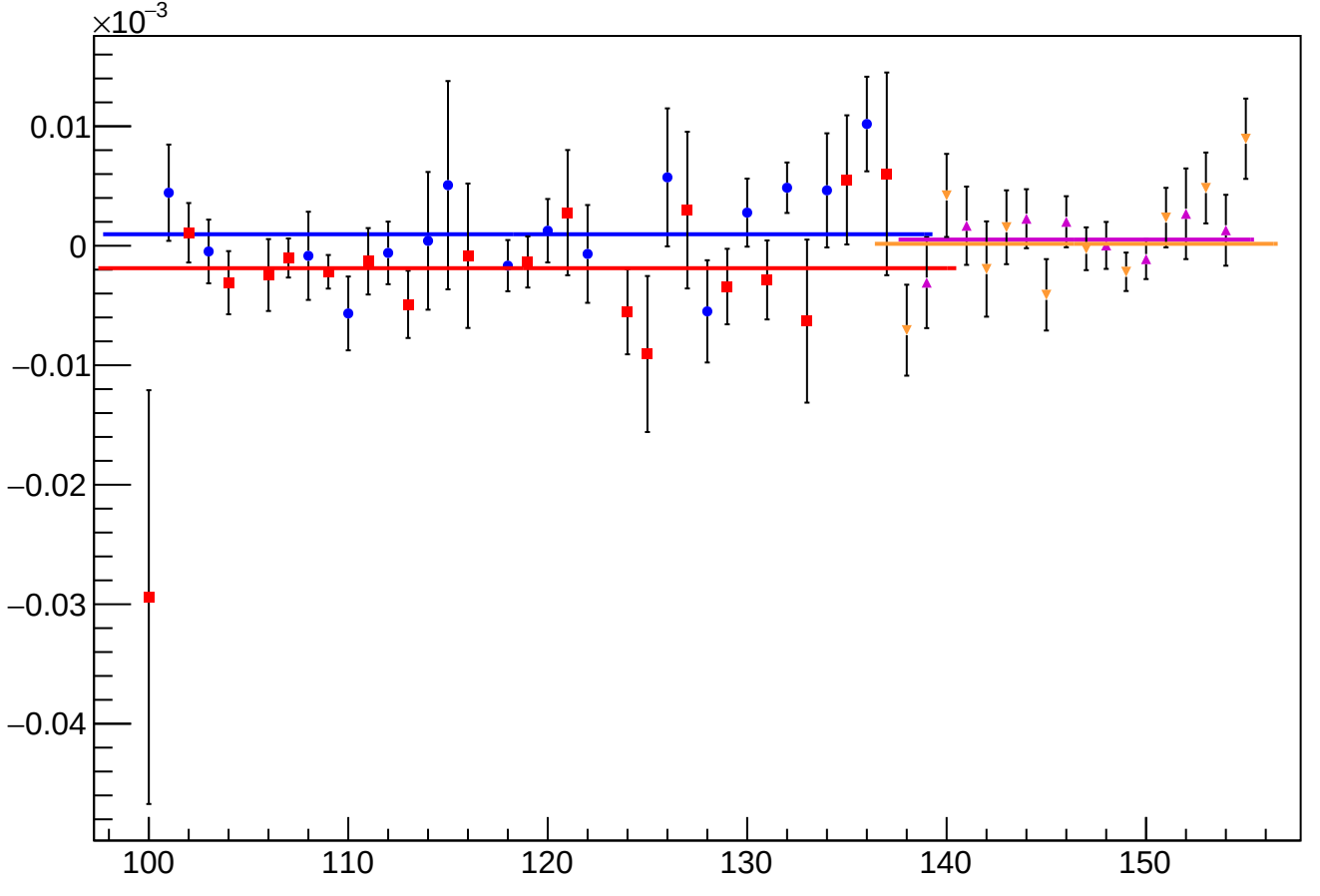
140
150
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 54.485+/-0.014 χ²/NDF:278867.6/9
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 49.930+/-0.014 χ²/NDF:270677.5/7
Left: 52.142+/-0.010 χ²/NDF: 601999.2/17
Right: 33.314+/-0.007 χ²/NDF: 2869944.8/34
In: 39.637+/-0.008 χ²/NDF:2270321.7/23
Out: 38.887+/-0.008 χ²/NDF:3653662.5/28
All: 39.251+/-0.006 χ²/NDF: 5928500.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.4/7

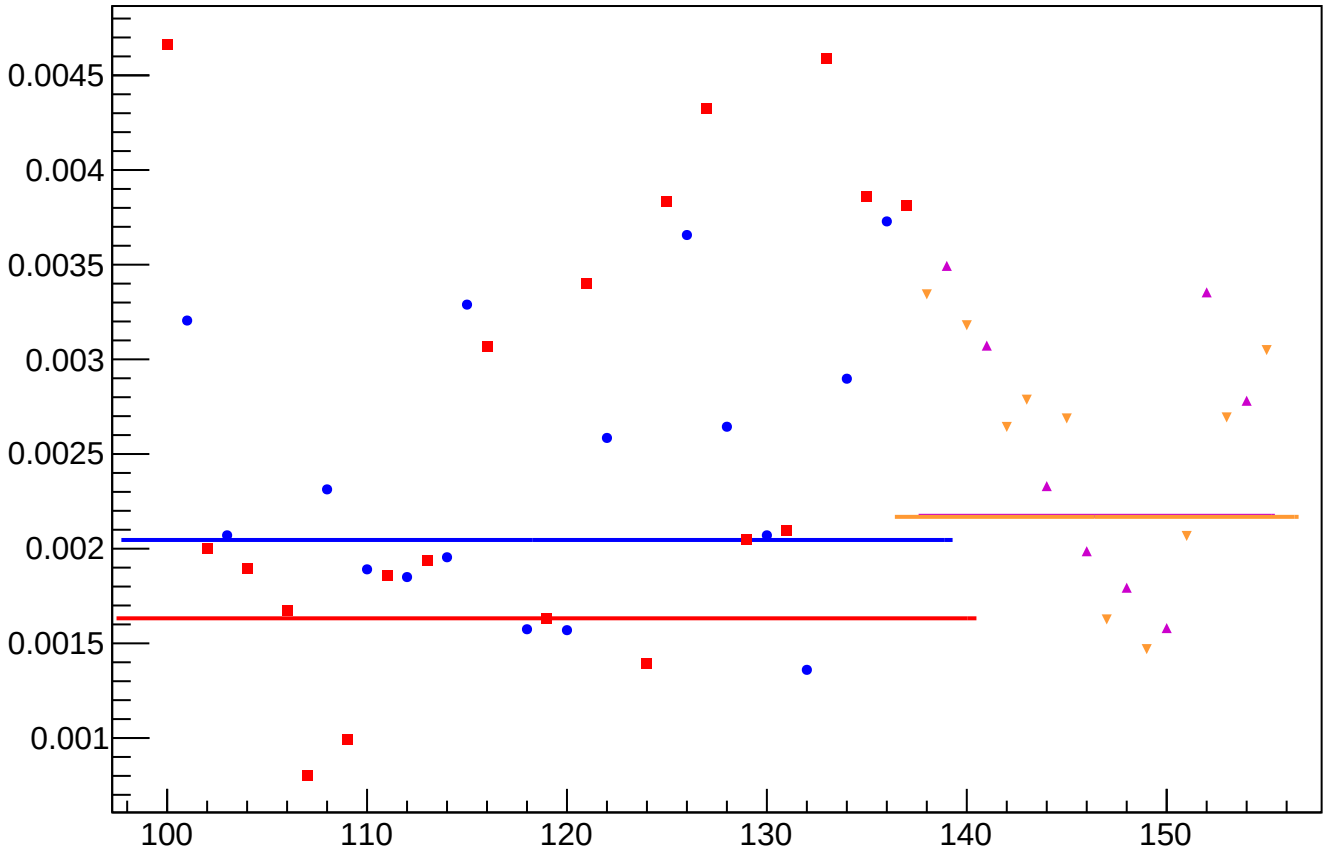
Left: 0.000+/-0.000 χ^2/NDF: 23.3/17

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:24.5/23

Out: -0.000+/-0.000 χ^2/NDF:36.4/28

All: -0.000+/-0.000 χ^2/NDF: 66.2/52



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1293084.9/9

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:1018335.7/7

Left: 0.002+/-0.000 χ^2/NDF: 2311463.1/17

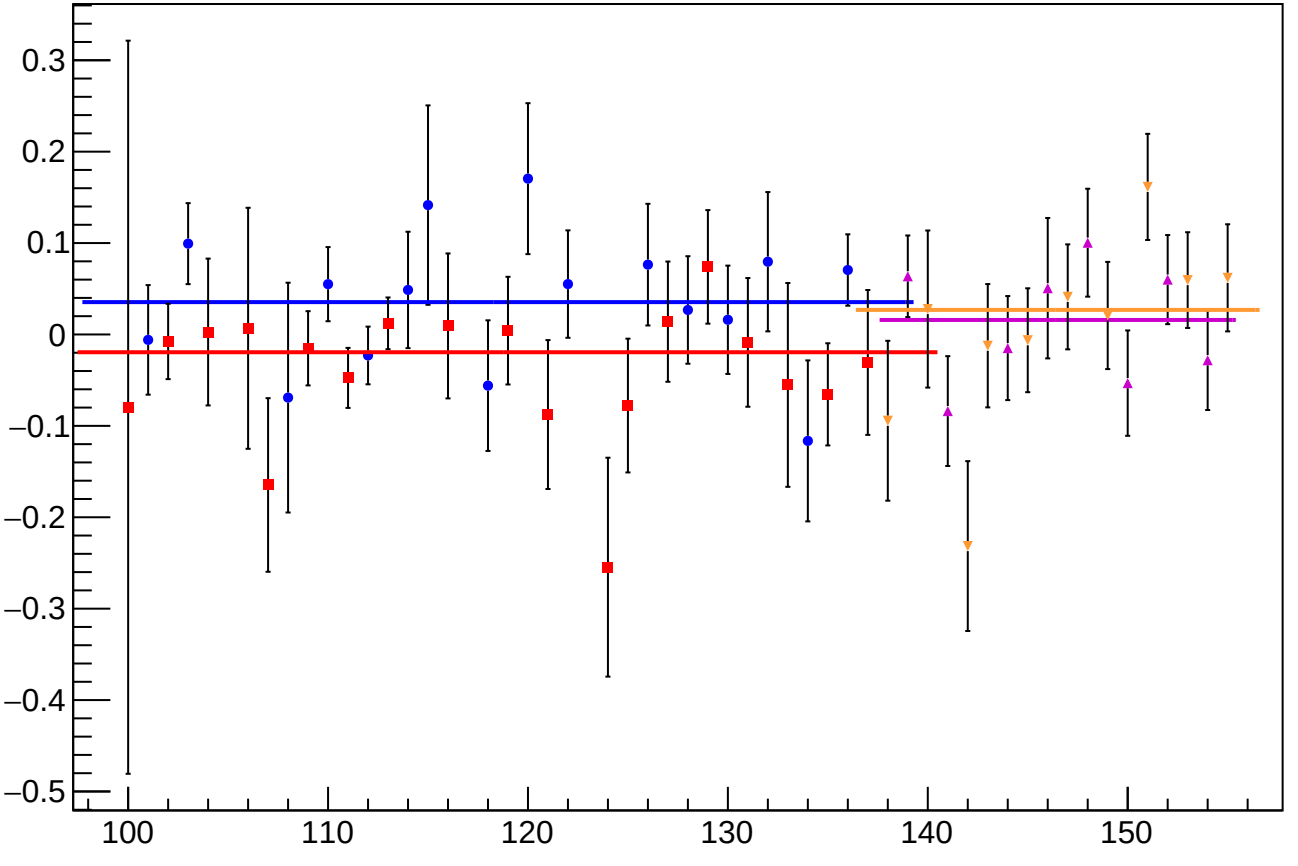
Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:2302142.6/23

Out: 0.002+/-0.000 χ^2/NDF:4735391.0/28

All: 0.002+/-0.000 χ^2/NDF: 7253896.1/52

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.027+/-0.020 χ^2/NDF:16.5/9

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.016+/-0.020 χ^2/NDF:9.4/7

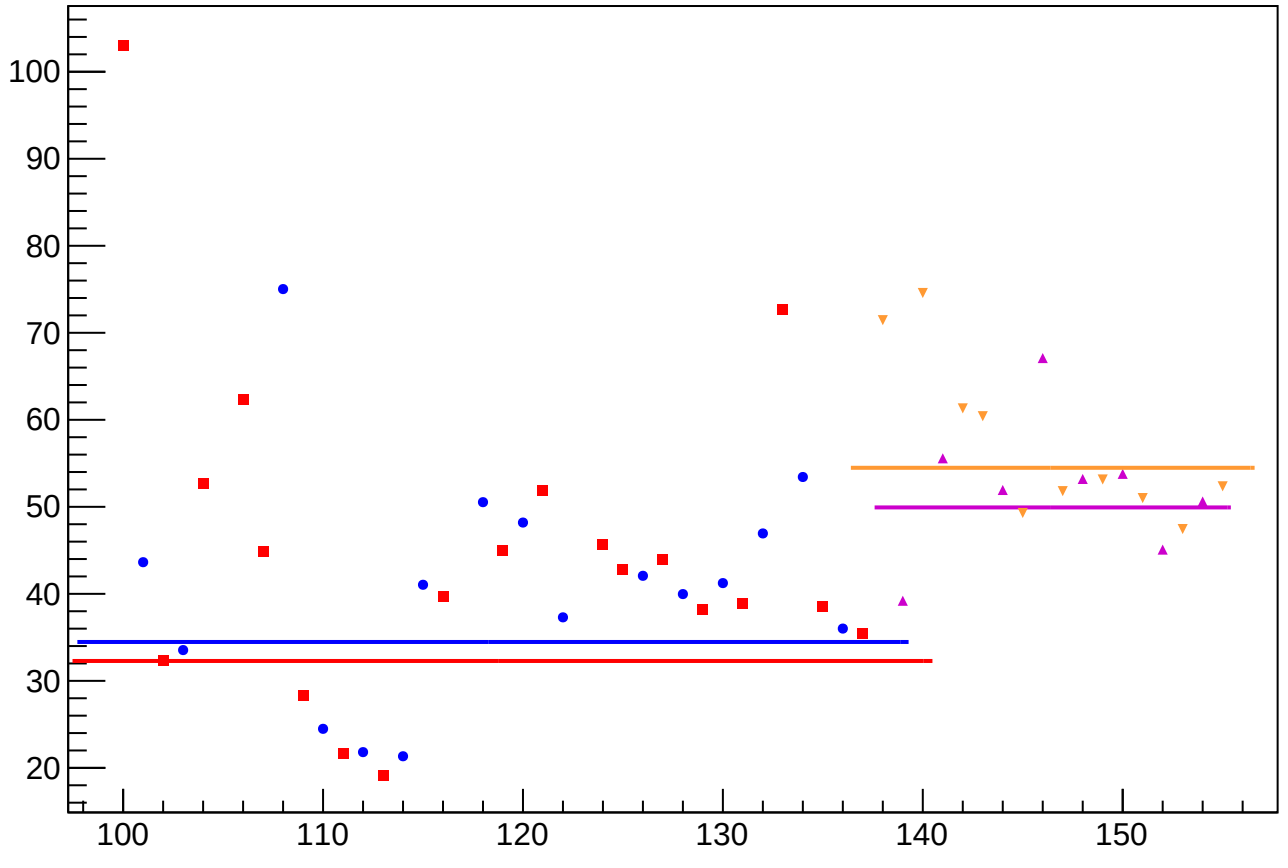
Left: 0.021+/-0.014 χ^2/NDF: 26.0/17

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.029+/-0.011 χ^2/NDF:27.0/23

Out: -0.006+/-0.011 χ^2/NDF:33.6/28

All: 0.011+/-0.008 χ^2/NDF: 65.4/52



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 54.486+/-0.014 χ^2/NDF:278845.2/9

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 49.931+/-0.014 χ^2/NDF:270687.6/7

Left: 52.143+/-0.010 χ^2/NDF: 601992.7/17

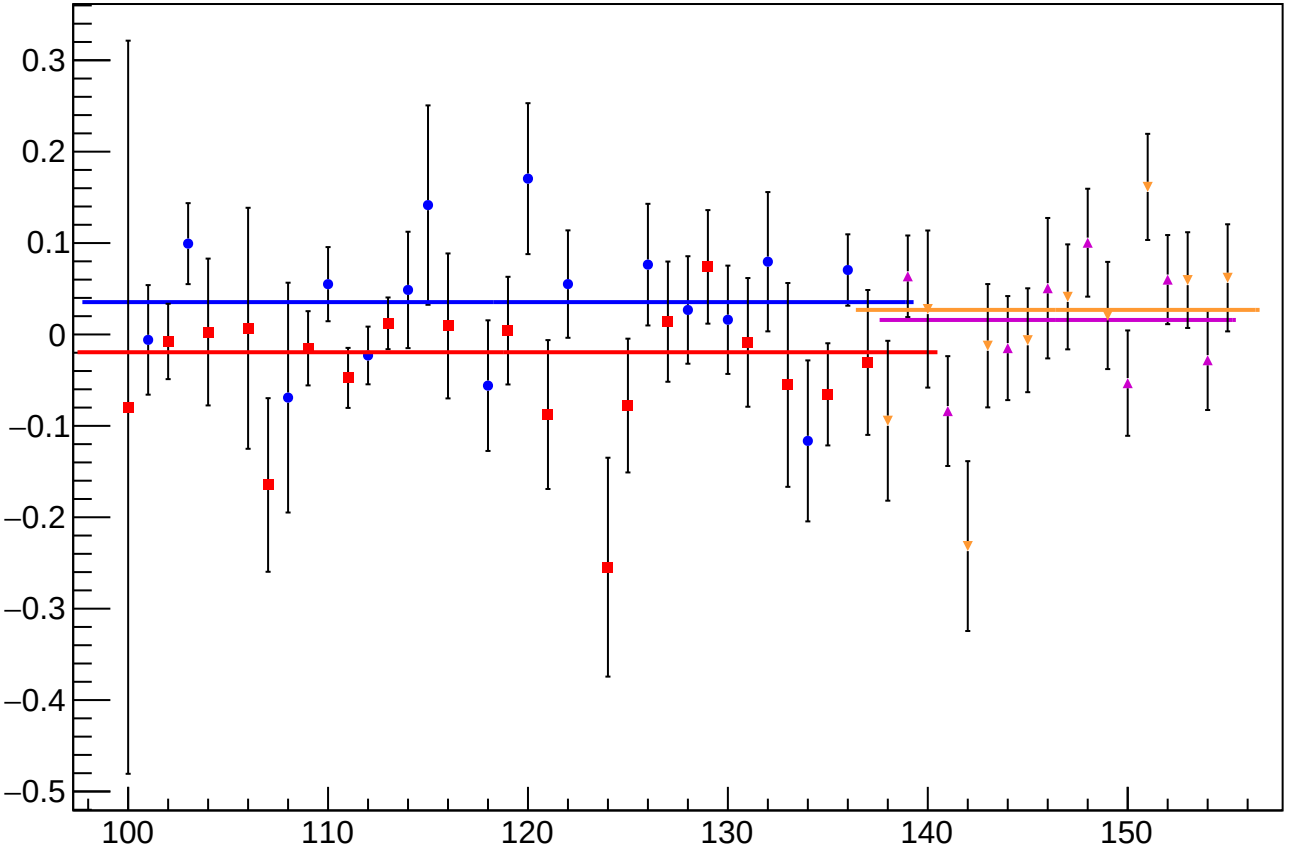
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 39.638+/-0.008 χ^2/NDF:2270304.9/23

Out: 38.887+/-0.008 χ^2/NDF:3653657.7/28

All: 39.251+/-0.006 χ^2/NDF: 5928478.2/52

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: 0.027+/-0.020 χ^2/NDF:16.5/9

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.016+/-0.020 χ^2/NDF:9.4/7

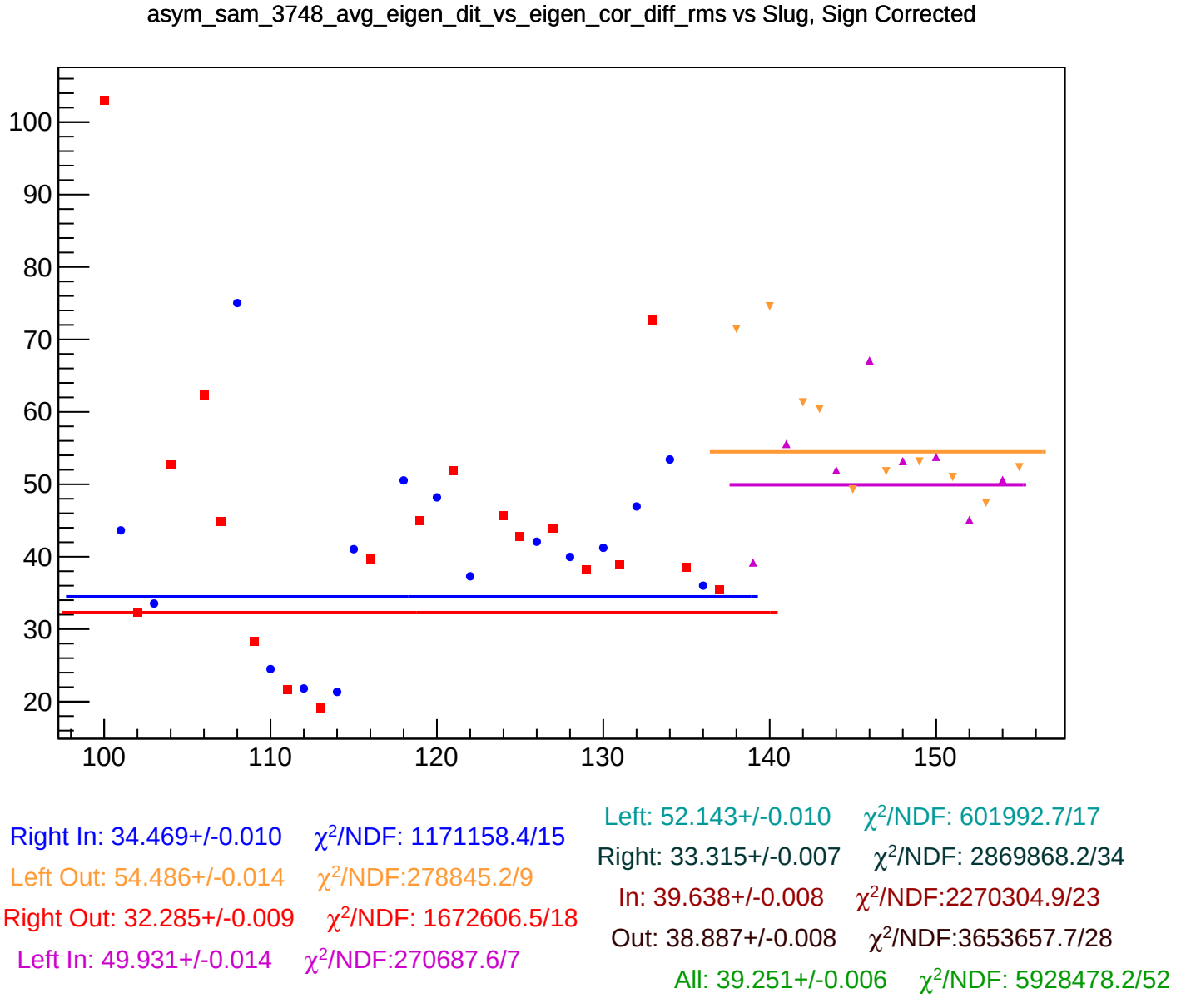
Left: 0.021+/-0.014 χ^2/NDF: 26.0/17

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.029+/-0.011 χ^2/NDF:27.0/23

Out: -0.006+/-0.011 χ^2/NDF:33.6/28

All: 0.011+/-0.008 χ^2/NDF: 65.4/52


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
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100
110
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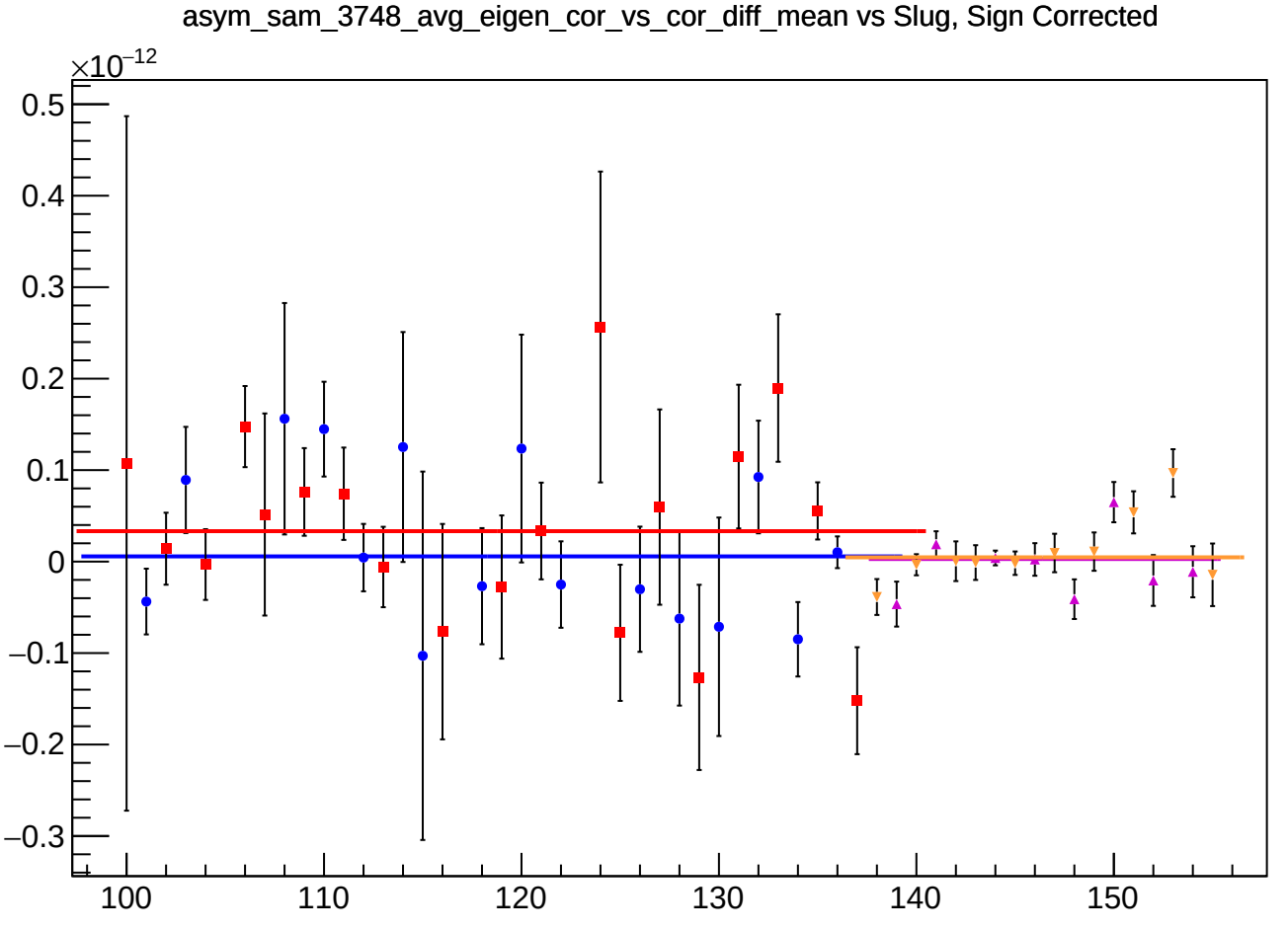
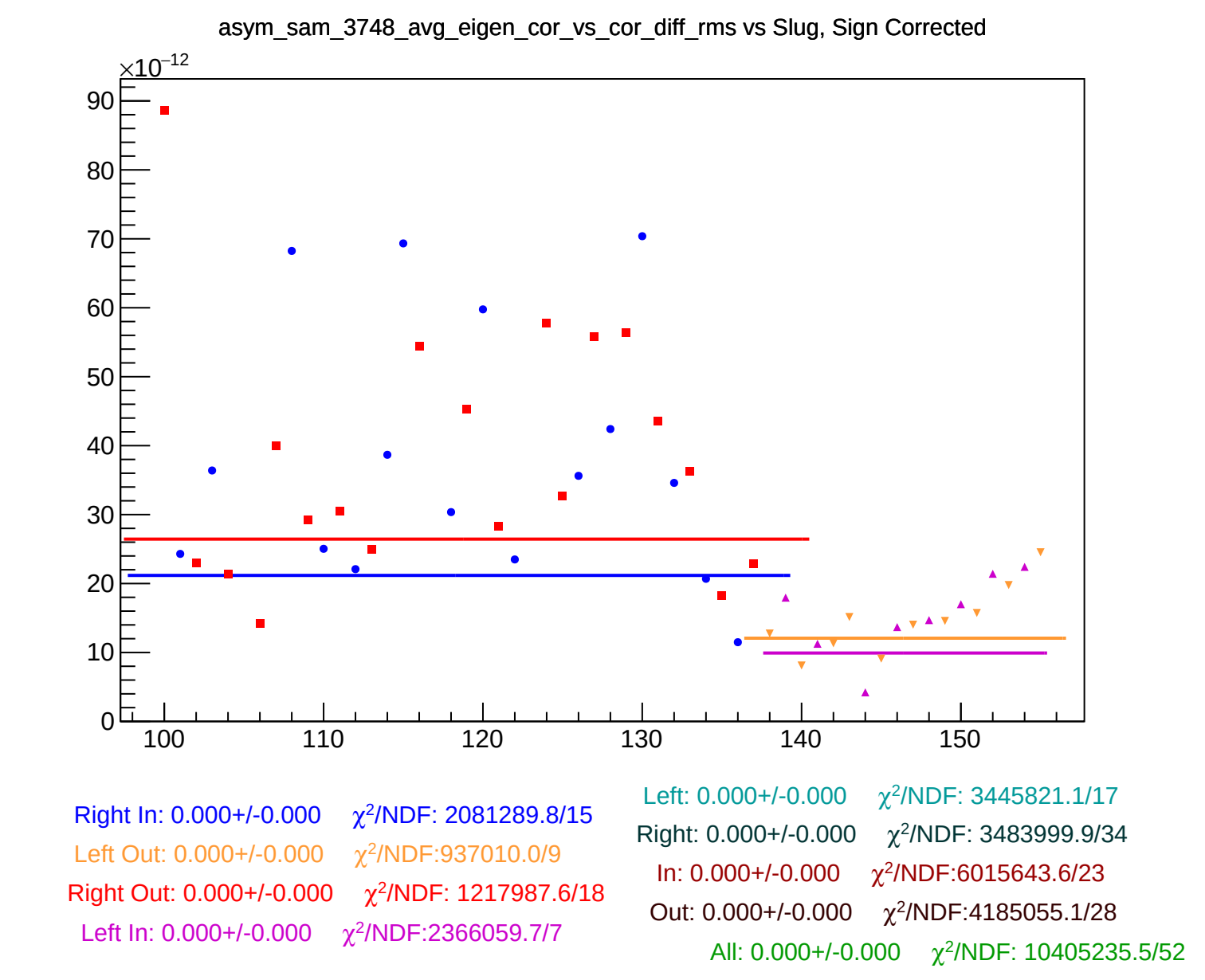
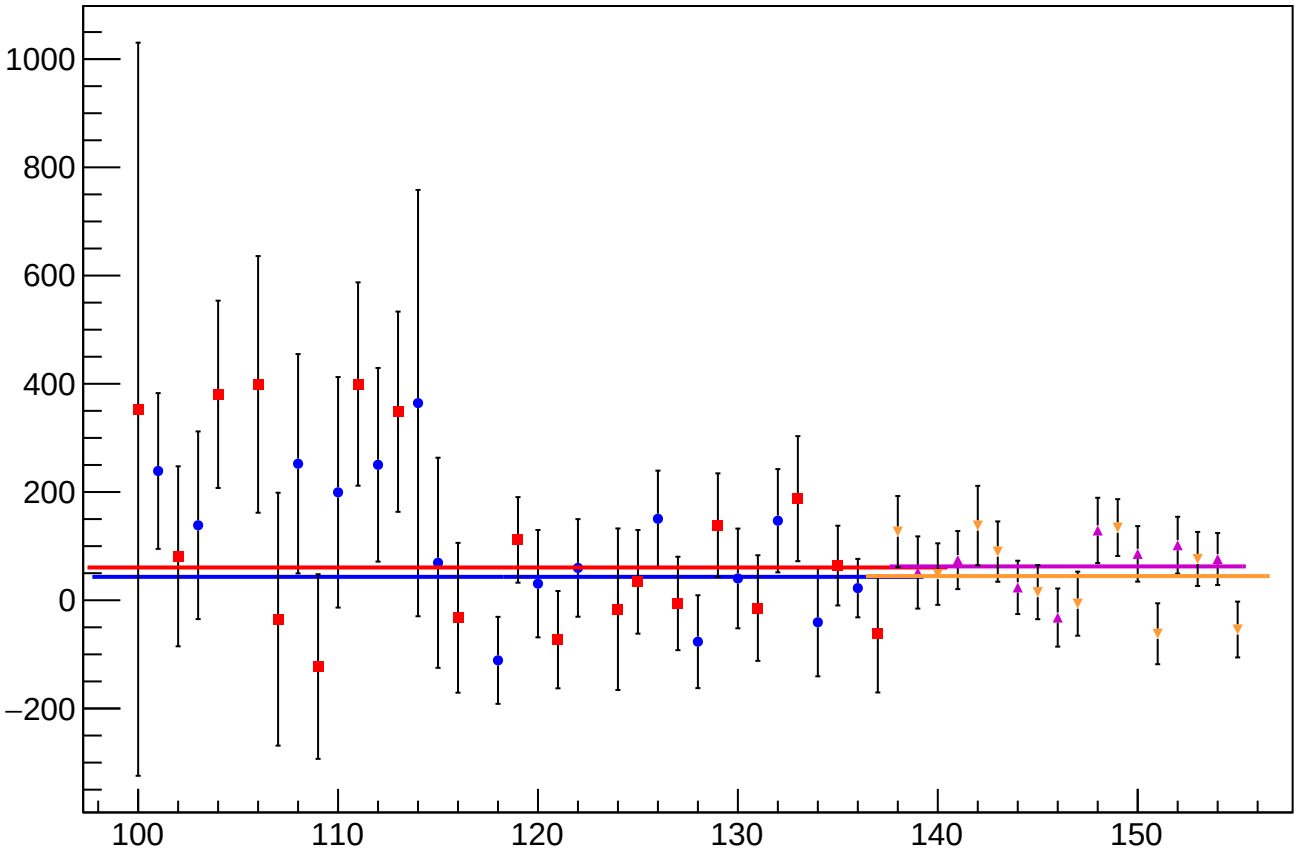
130
140
150
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 54.486+/-0.014 χ²/NDF:278845.2/9
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 49.931+/-0.014 χ²/NDF:270687.6/7
Left: 52.143+/-0.010 χ²/NDF: 601992.7/17
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 39.638+/-0.008 χ²/NDF:2270304.9/23
Out: 38.887+/-0.008 χ²/NDF:3653657.7/28
All: 39.251+/-0.006 χ²/NDF: 5928478.2/52


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: 0.000+/-0.000 χ²/NDF:23.3/9
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:18.4/7
Left: 0.000+/-0.000 χ²/NDF: 41.8/17
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:42.0/23
Out: 0.000+/-0.000 χ²/NDF:60.8/28
All: 0.000+/-0.000 χ²/NDF: 103.5/52


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:937010.0/9
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:2366059.7/7
Left: 0.000+/-0.000 χ²/NDF: 3445821.1/17
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:6015643.6/23
Out: 0.000+/-0.000 χ²/NDF:4185055.1/28
All: 0.000+/-0.000 χ²/NDF: 10405235.5/52



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 44.671+/-17.710 χ^2/NDF:15.5/9

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 62.520+/-18.964 χ^2/NDF:5.8/7

Left: 52.986+/-12.944 χ^2/NDF: 21.8/17

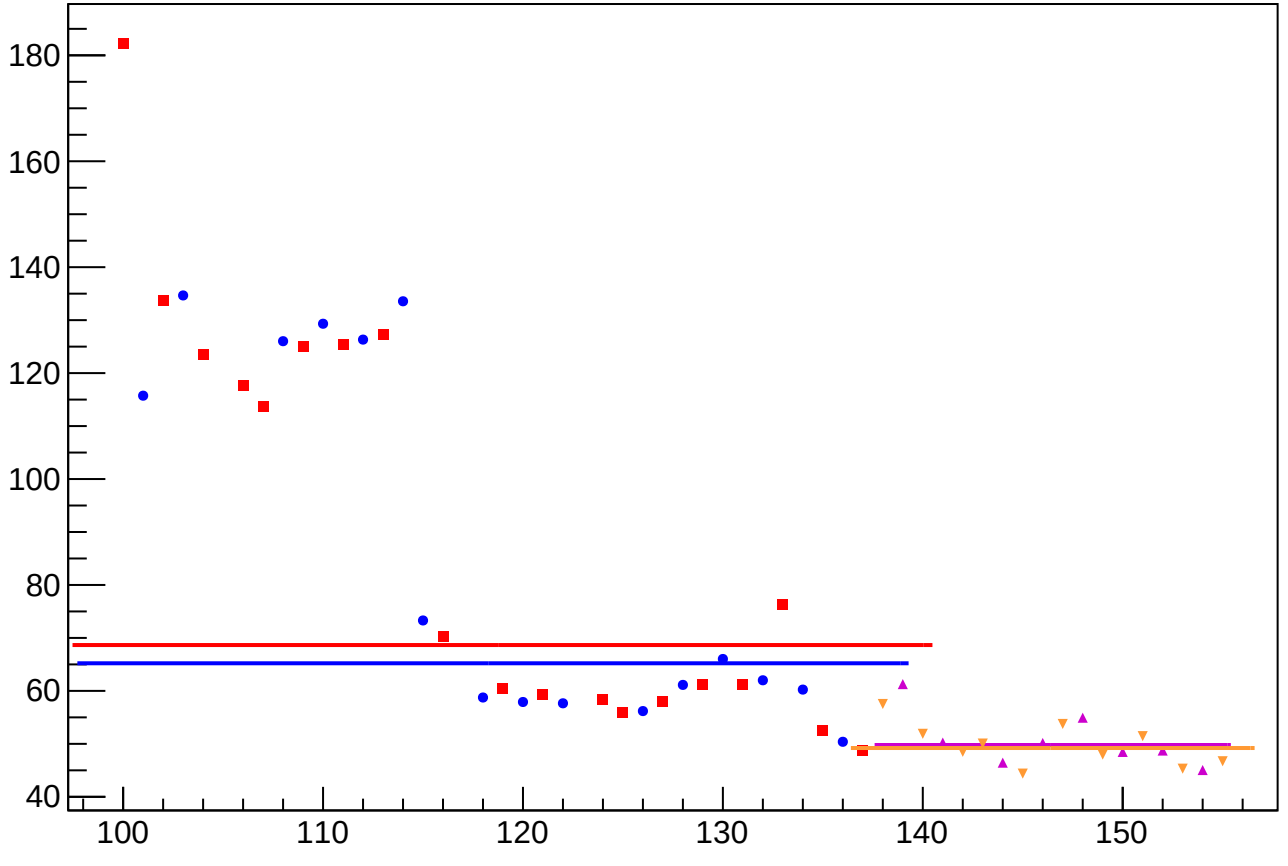
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 55.753+/-15.276 χ^2/NDF:21.2/23

Out: 49.484+/-14.791 χ^2/NDF:36.2/28

All: 52.517+/-10.626 χ^2/NDF: 57.4/52

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 49.214+/-0.013 χ^2/NDF:88689.6/9

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 49.782+/-0.013 χ^2/NDF:104827.9/7

Left: 49.479+/-0.009 χ^2/NDF: 194477.2/17

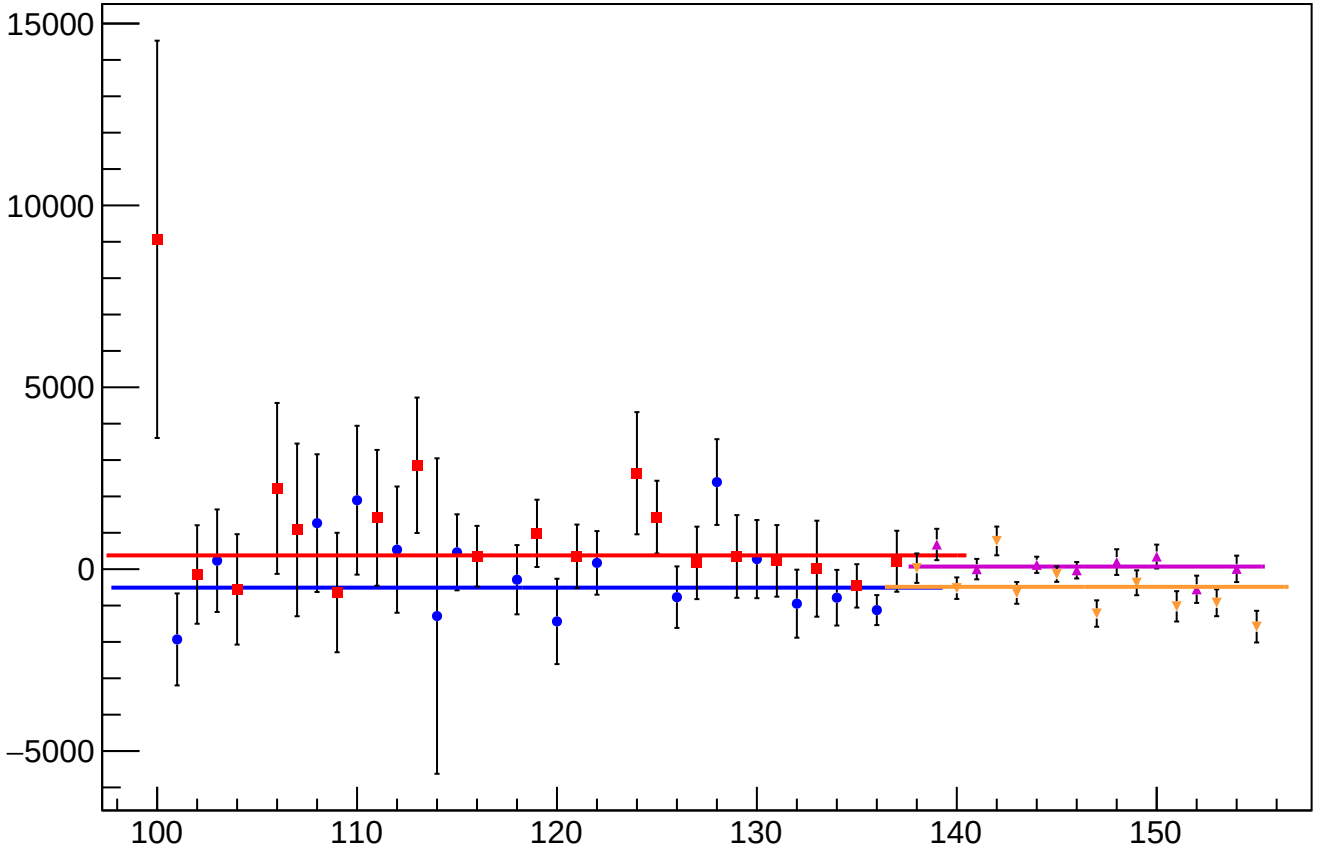
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 55.200+/-0.011 χ^2/NDF:2016228.2/23

Out: 55.095+/-0.010 χ^2/NDF:2458675.2/28

All: 55.146+/-0.008 χ^2/NDF: 4474952.5/52

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -485.945+/-104.454 χ^2/NDF:28.4/9

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 71.507+/-105.553 χ^2/NDF:5.9/7

Left: -210.136+/-74.245 χ^2/NDF: 48.4/17

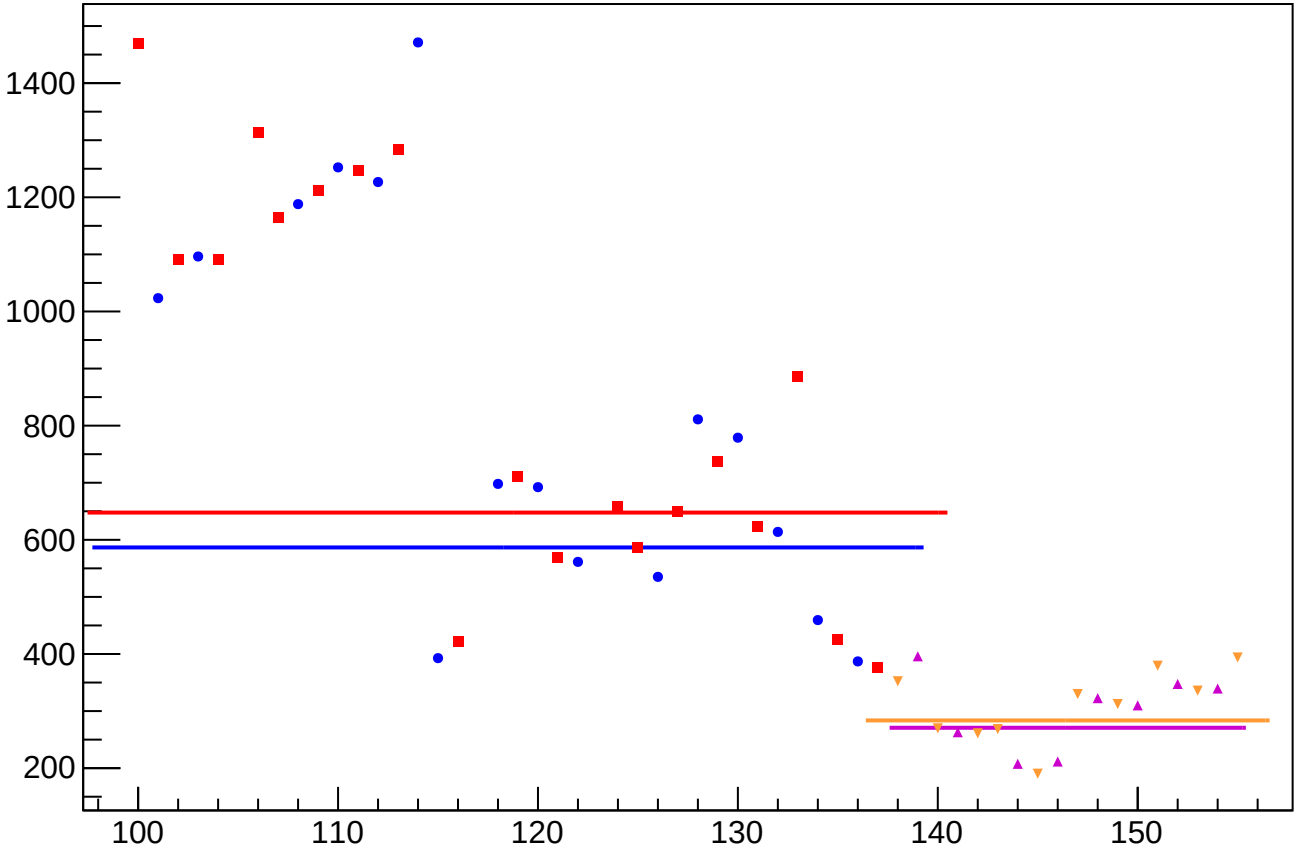
Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -24.440+/-96.418 χ^2/NDF:26.6/23

Out: -362.850+/-96.735 χ^2/NDF:49.9/28

All: -193.090+/-68.290 χ^2/NDF: 82.6/52

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: 283.626+/-0.074 χ^2/NDF:778289.7/9

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 270.761+/-0.075 χ^2/NDF:694985.0/7

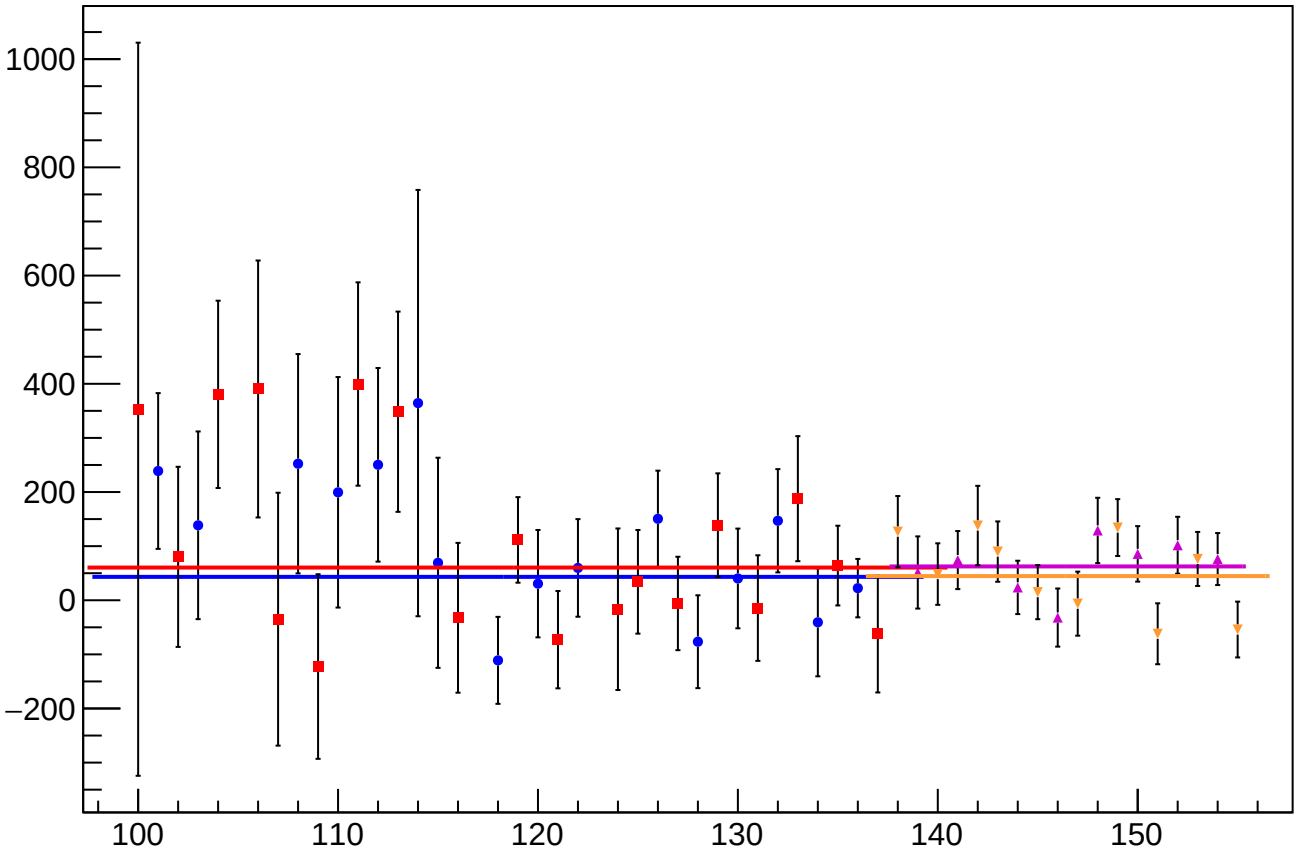
Left: 277.261+/-0.052 χ^2/NDF: 1488285.4/17

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 323.067+/-0.068 χ^2/NDF:5714130.6/23

Out: 335.451+/-0.068 χ^2/NDF:6342954.5/28

All: 329.239+/-0.048 χ^2/NDF: 12073527.0/52



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 44.675+/-17.710 χ^2/NDF:15.5/9

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 62.518+/-18.964 χ^2/NDF:5.8/7

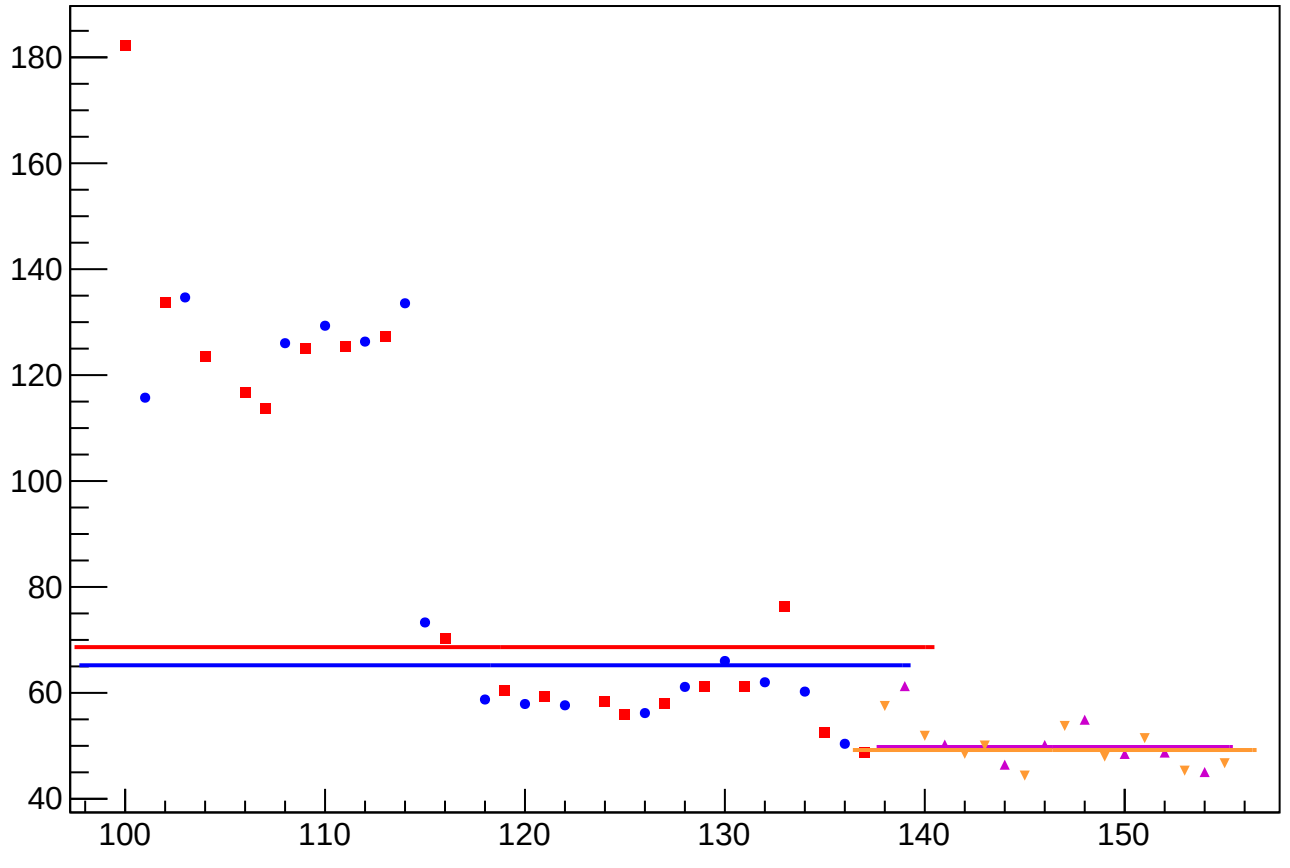
Left: 52.987+/-12.944 χ^2/NDF: 21.8/17

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 55.749+/-15.276 χ^2/NDF:21.2/23

Out: 49.441+/-14.791 χ^2/NDF:36.0/28

All: 52.493+/-10.626 χ^2/NDF: 57.3/52



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.214+/-0.013 χ^2/NDF:88689.6/9

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 49.782+/-0.013 χ^2/NDF:104827.9/7

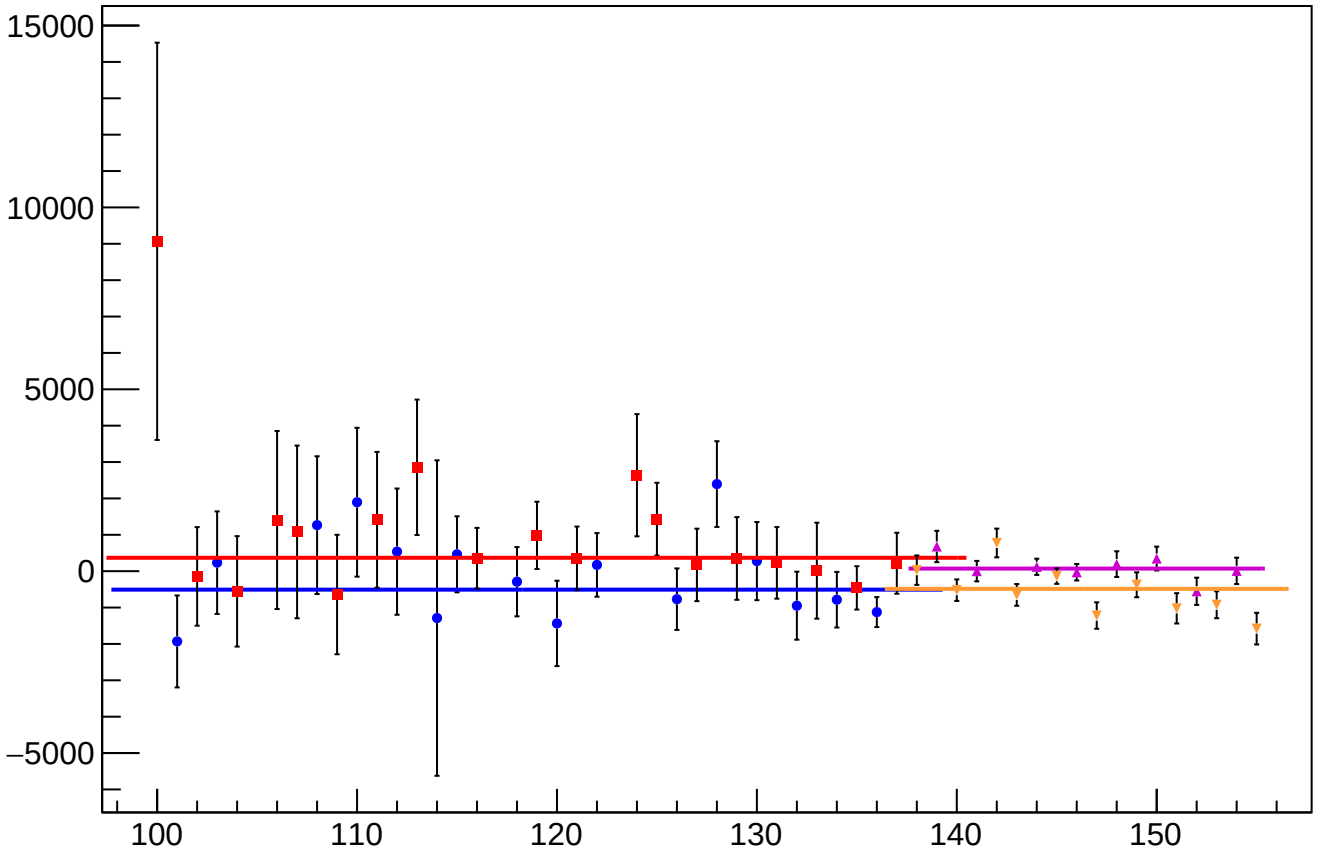
Left: 49.479+/-0.009 χ^2/NDF: 194477.2/17

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 55.200+/-0.011 χ^2/NDF:2016230.3/23

Out: 55.090+/-0.010 χ^2/NDF:2454222.7/28

All: 55.143+/-0.008 χ^2/NDF: 4470506.6/52



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -485.940+/-104.454 χ^2/NDF:28.4/9

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 71.506+/-105.553 χ^2/NDF:5.9/7

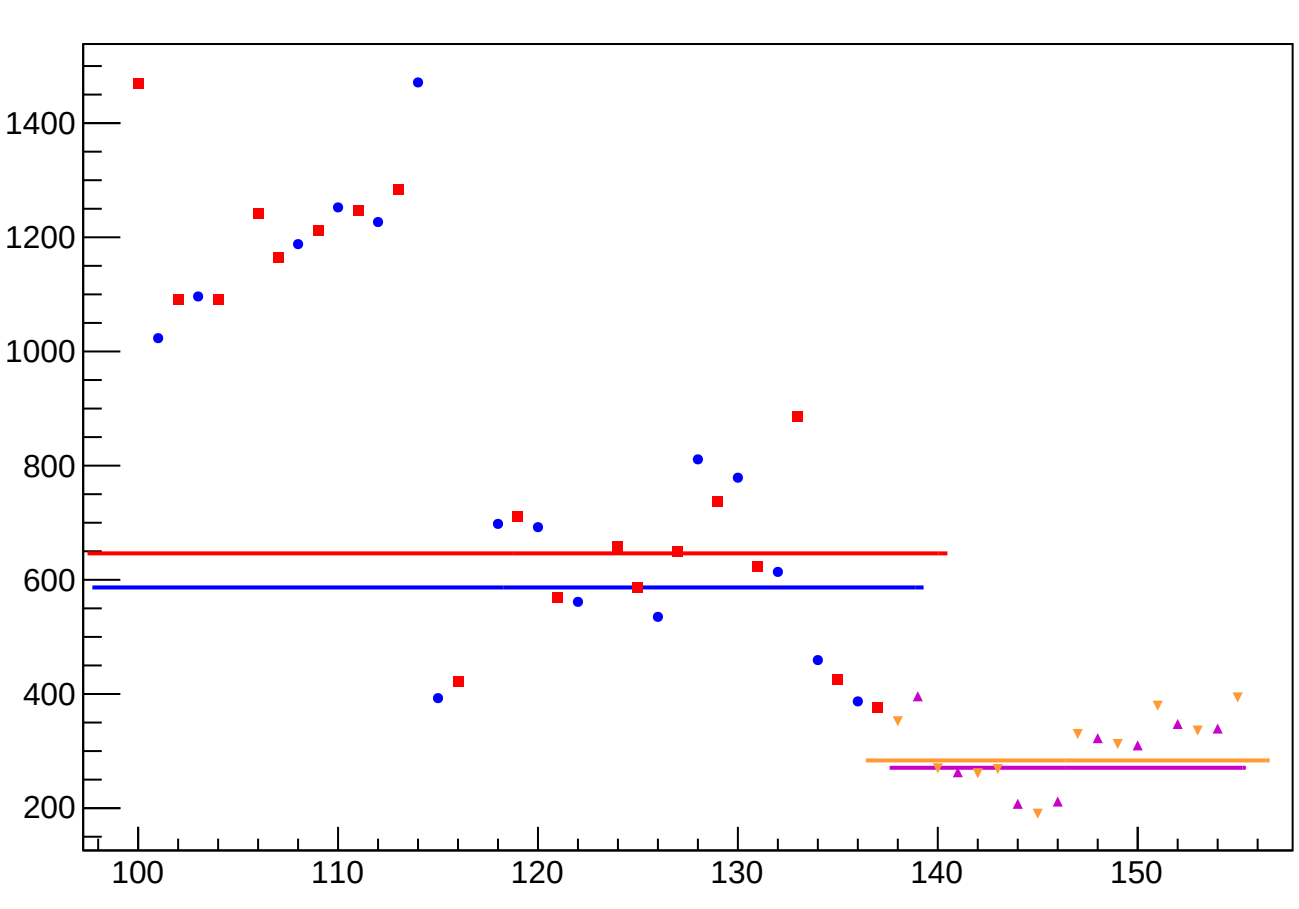
Left: -210.134+/-74.245 χ^2/NDF: 48.4/17

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -24.437+/-96.418 χ^2/NDF:26.6/23

Out: -364.452+/-96.742 χ^2/NDF:49.2/28

All: -193.876+/-68.292 χ^2/NDF: 82.0/52



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 283.626+/-0.074 χ^2/NDF:778293.4/9

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 270.761+/-0.075 χ^2/NDF:694981.0/7

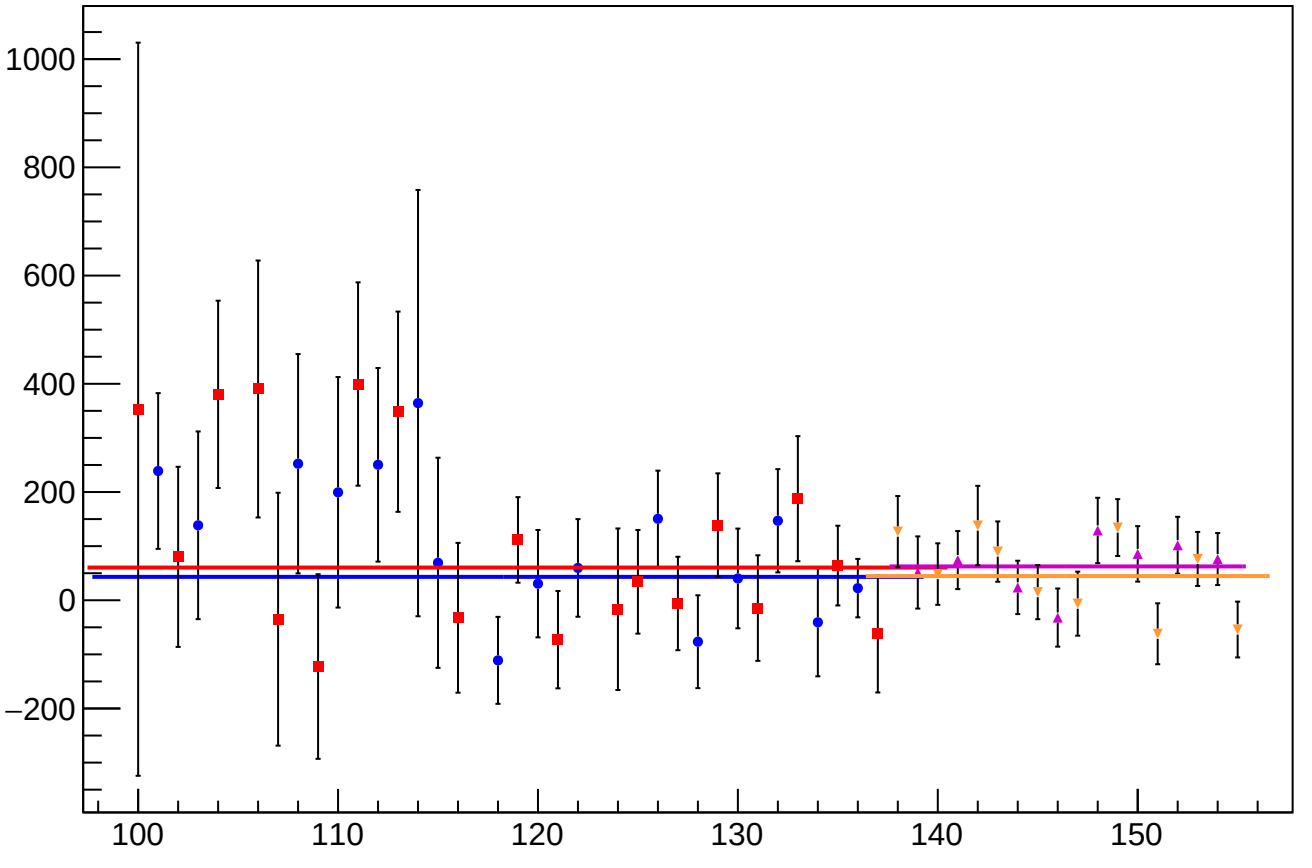
Left: 277.261+/-0.052 χ^2/NDF: 1488284.3/17

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 323.067+/-0.068 χ^2/NDF:5714148.3/23

Out: 335.206+/-0.068 χ^2/NDF:6270896.6/28

All: 329.116+/-0.048 χ^2/NDF: 12000843.0/52



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 44.675+/-17.710 χ^2/NDF:15.5/9

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 62.518+/-18.964 χ^2/NDF:5.8/7

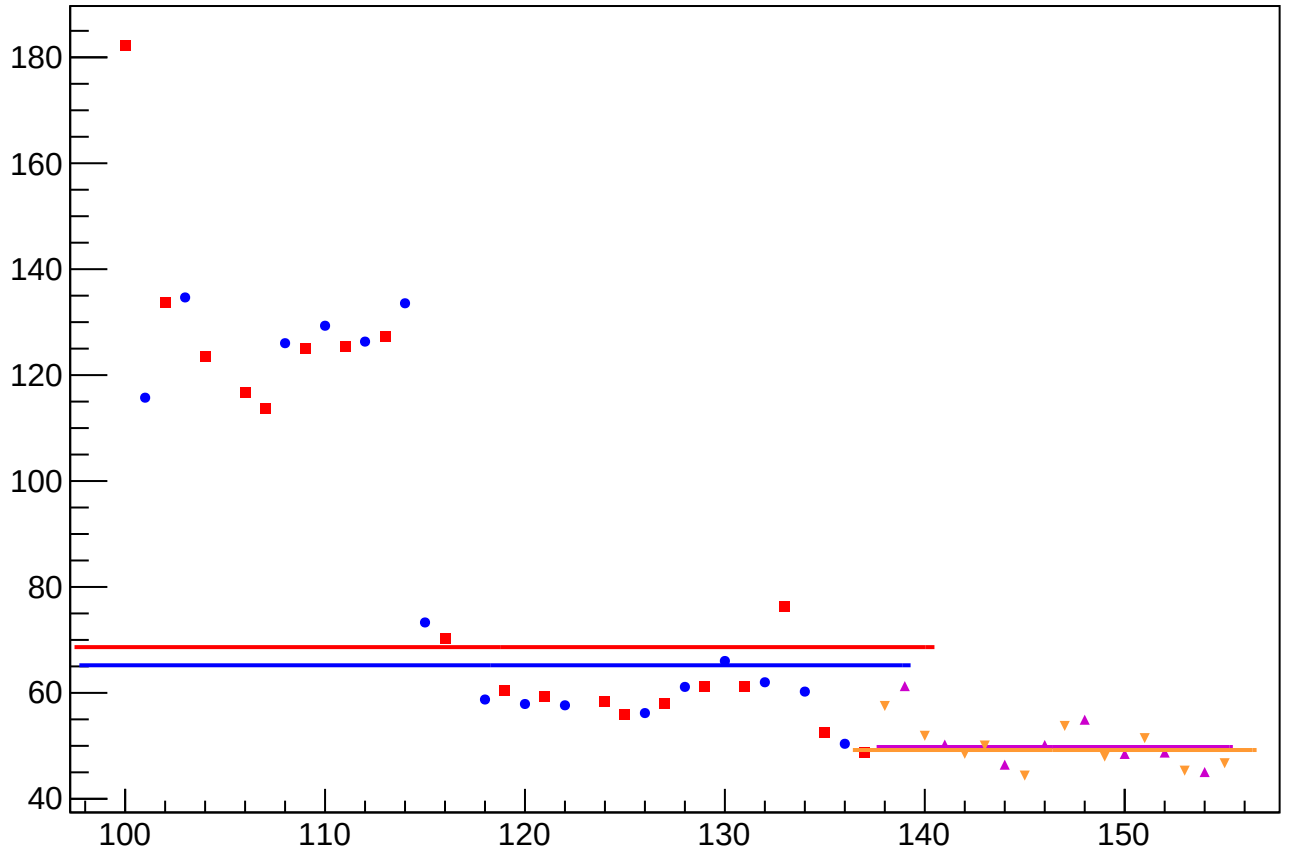
Left: 52.987+/-12.944 χ^2/NDF: 21.8/17

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 55.749+/-15.276 χ^2/NDF:21.2/23

Out: 49.441+/-14.791 χ^2/NDF:36.0/28

All: 52.493+/-10.626 χ^2/NDF: 57.3/52



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.214+/-0.013 χ^2/NDF:88689.6/9

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 49.782+/-0.013 χ^2/NDF:104827.9/7

Left: 49.479+/-0.009 χ^2/NDF: 194477.2/17

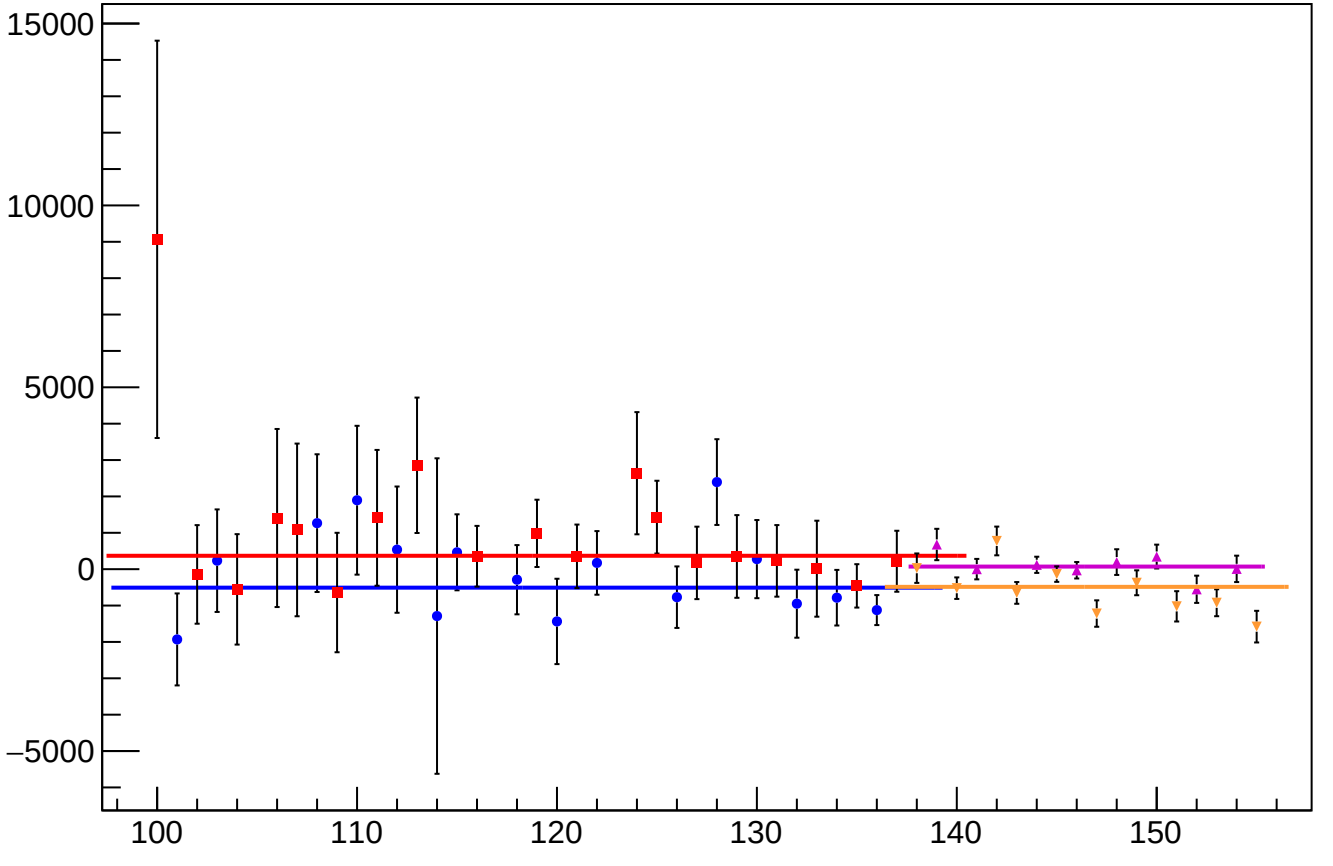
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 55.200+/-0.011 χ^2/NDF:2016230.3/23

Out: 55.090+/-0.010 χ^2/NDF:2454222.7/28

All: 55.143+/-0.008 χ^2/NDF: 4470506.6/52

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: -485.940+/-104.454 χ^2/NDF:28.4/9

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 71.506+/-105.553 χ^2/NDF:5.9/7

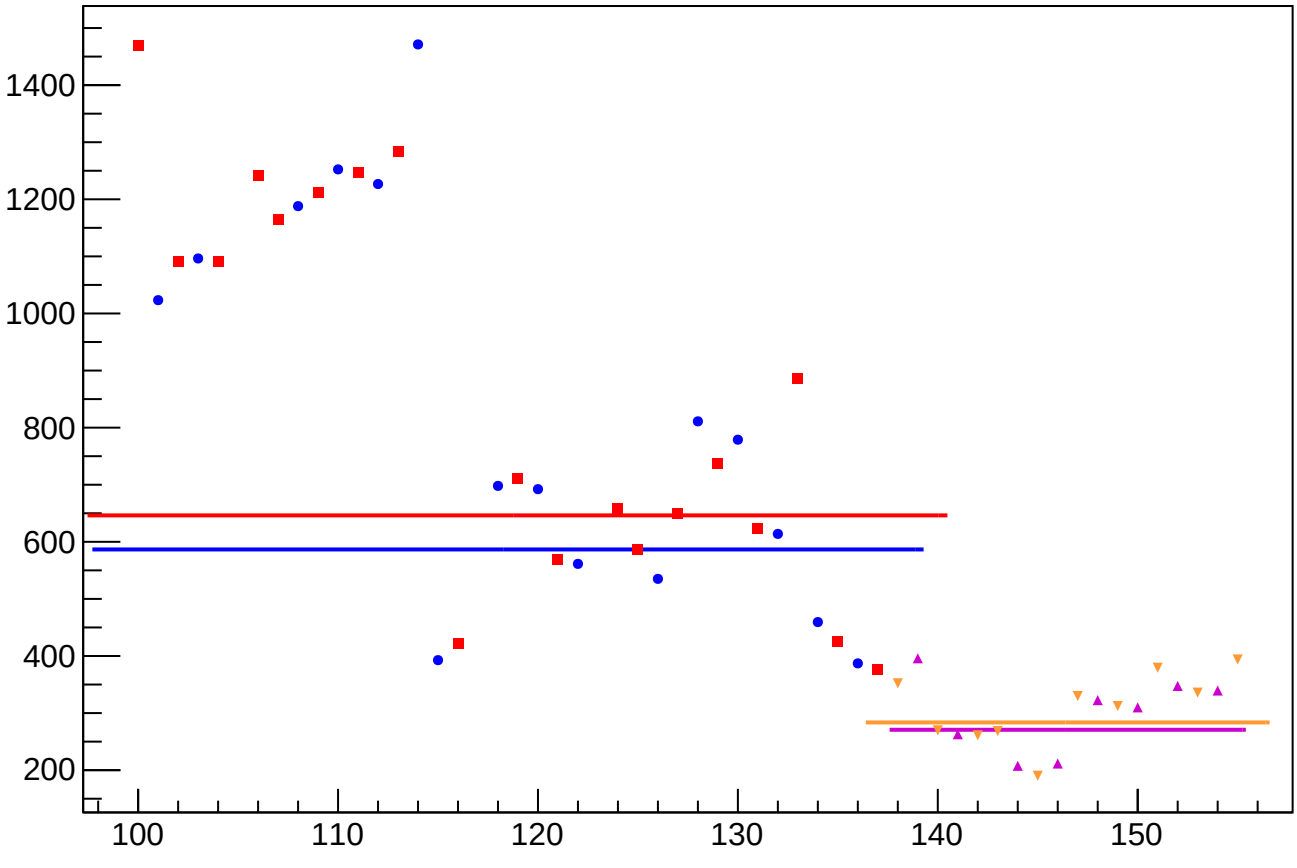
Left: -210.134+/-74.245 χ^2/NDF: 48.4/17

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -24.437+/-96.418 χ^2/NDF:26.6/23

Out: -364.452+/-96.742 χ^2/NDF:49.2/28

All: -193.876+/-68.292 χ^2/NDF: 82.0/52



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 283.626+/-0.074 χ^2/NDF:778293.4/9

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 270.761+/-0.075 χ^2/NDF:694981.0/7

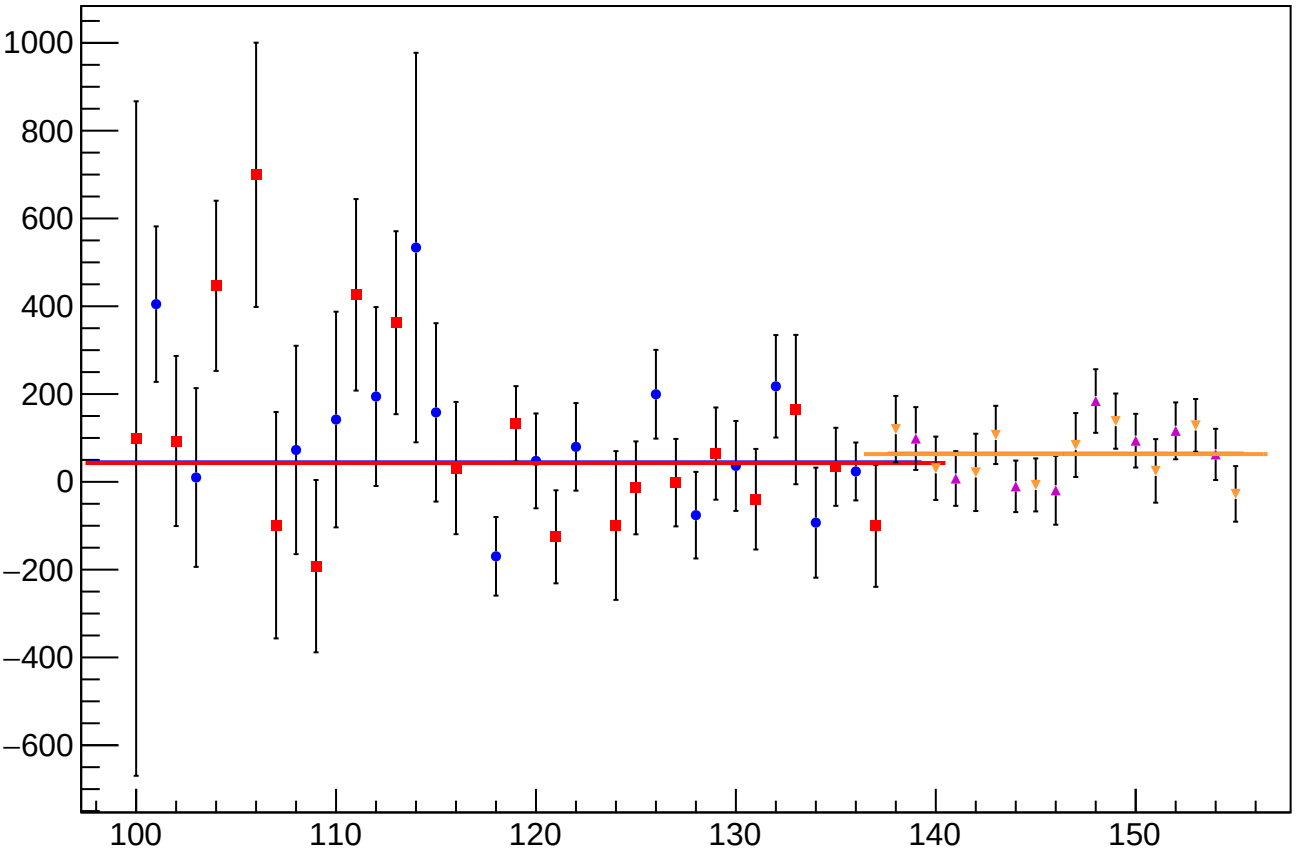
Left: 277.261+/-0.052 χ^2/NDF: 1488284.3/17

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 323.067+/-0.068 χ^2/NDF:5714148.3/23

Out: 335.206+/-0.068 χ^2/NDF:6270896.6/28

All: 329.116+/-0.048 χ^2/NDF: 12000843.0/52



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 63.265+/-21.533 χ^2/NDF:7.8/9

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 64.028+/-22.963 χ^2/NDF:7.4/7

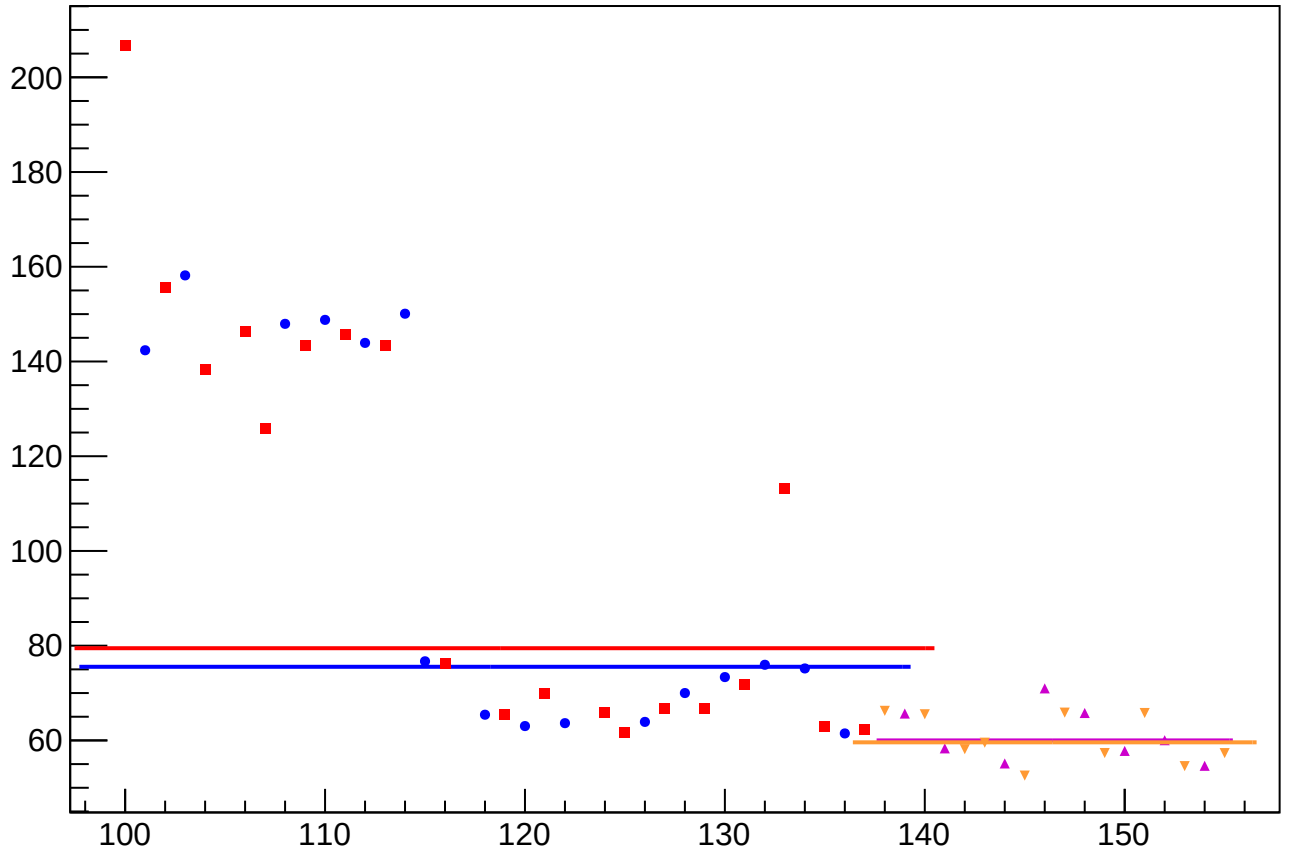
Left: 63.622+/-15.707 χ^2/NDF: 15.2/17

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 56.744+/-18.214 χ^2/NDF:27.3/23

Out: 56.708+/-17.731 χ^2/NDF:31.4/28

All: 56.726+/-12.705 χ^2/NDF: 58.7/52



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 59.595+/-0.015 χ^2/NDF:105193.1/9

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 60.000+/-0.016 χ^2/NDF:99308.5/7

Left: 59.784+/-0.011 χ^2/NDF: 204831.7/17

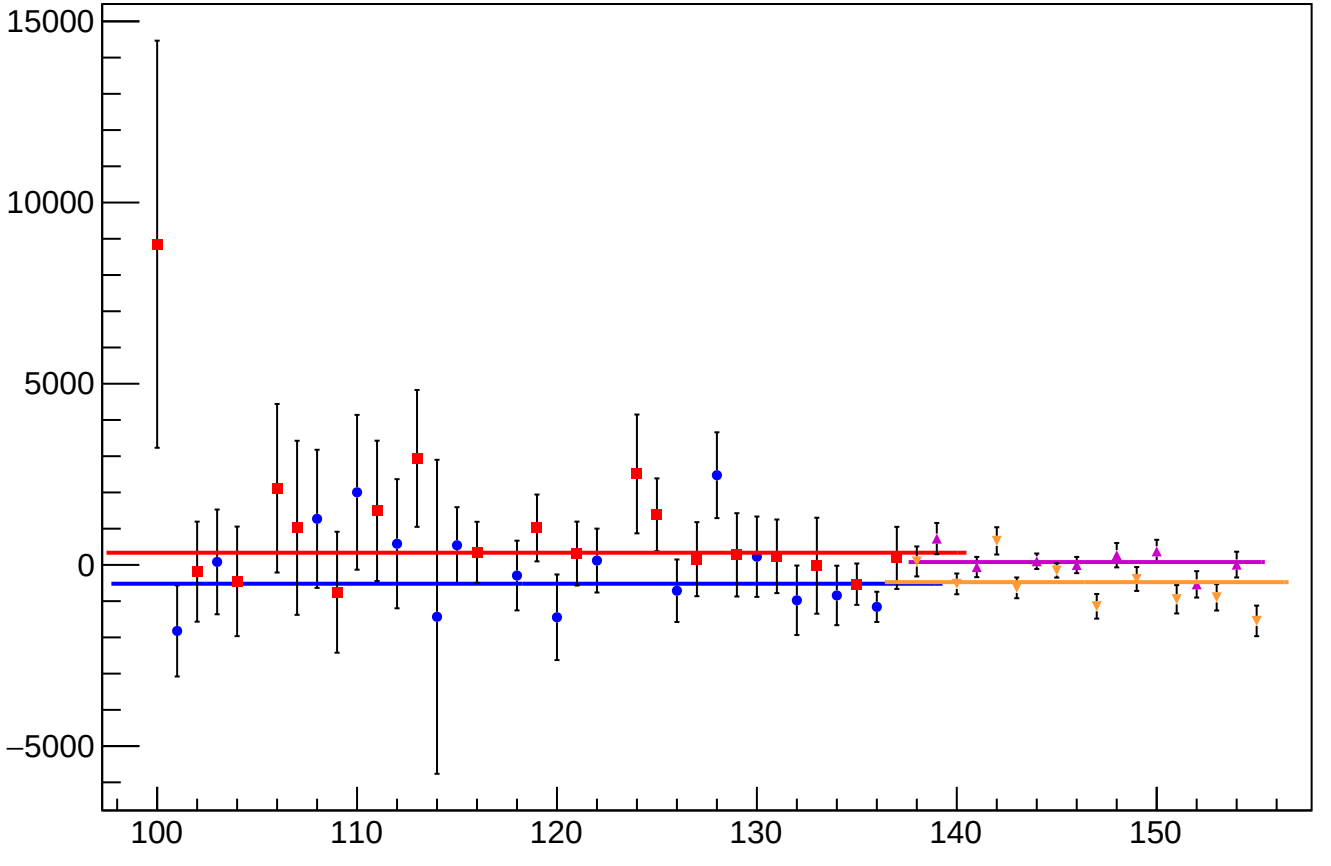
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 65.764+/-0.013 χ^2/NDF:1904766.4/23

Out: 65.993+/-0.013 χ^2/NDF:2337151.0/28

All: 65.882+/-0.009 χ^2/NDF: 4242078.9/52

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -475.497+/-99.606 χ^2/NDF:27.2/9

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 78.521+/-103.012 χ^2/NDF:6.7/7

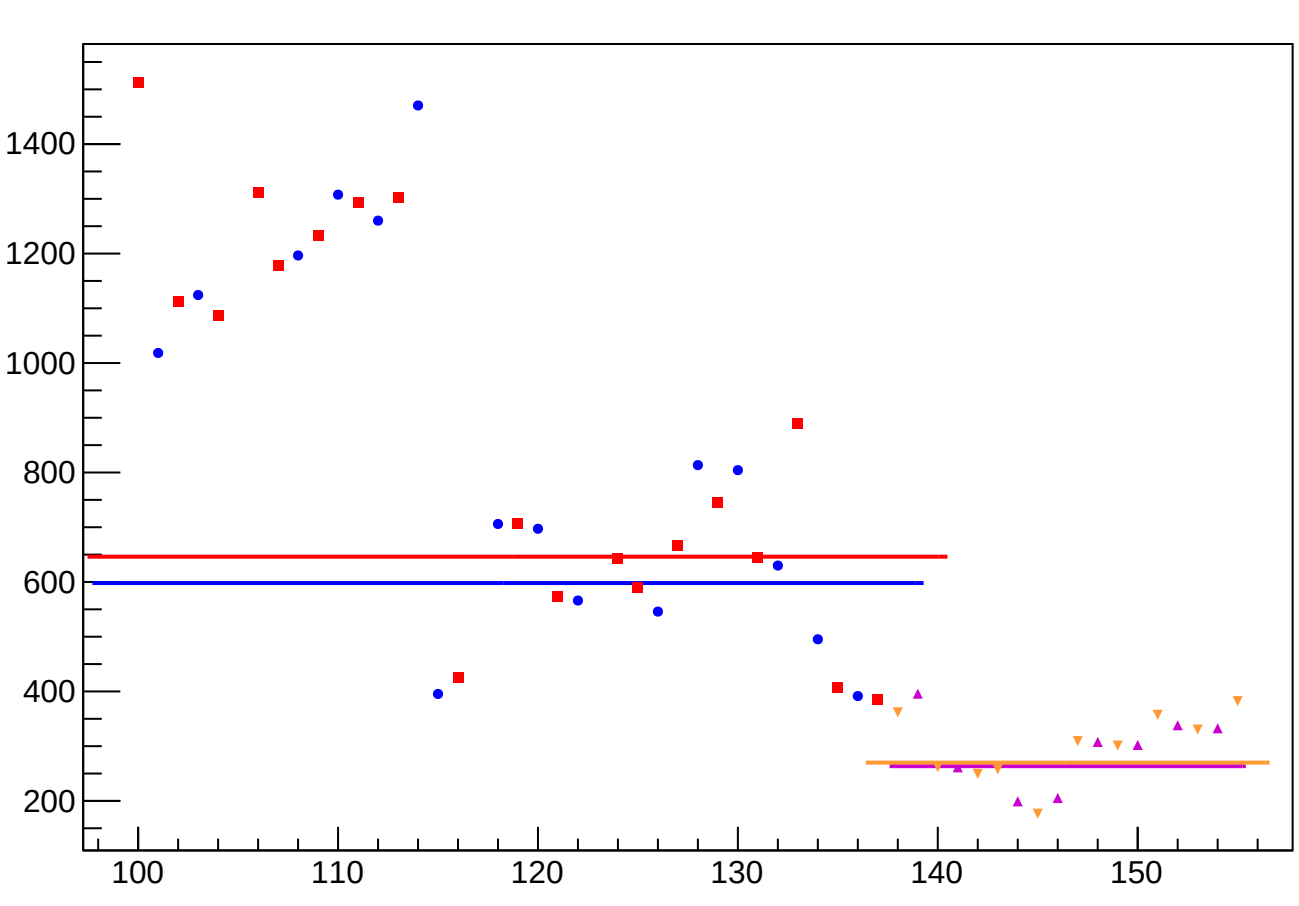
Left: -207.798+/-71.606 χ^2/NDF: 48.9/17

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -13.617+/-94.741 χ^2/NDF:27.7/23

Out: -369.148+/-92.857 χ^2/NDF:47.8/28

All: -194.954+/-66.316 χ^2/NDF: 82.7/52



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 269.943+/-0.070 χ^2/NDF:902623.7/9

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 263.477+/-0.073 χ^2/NDF:729115.0/7

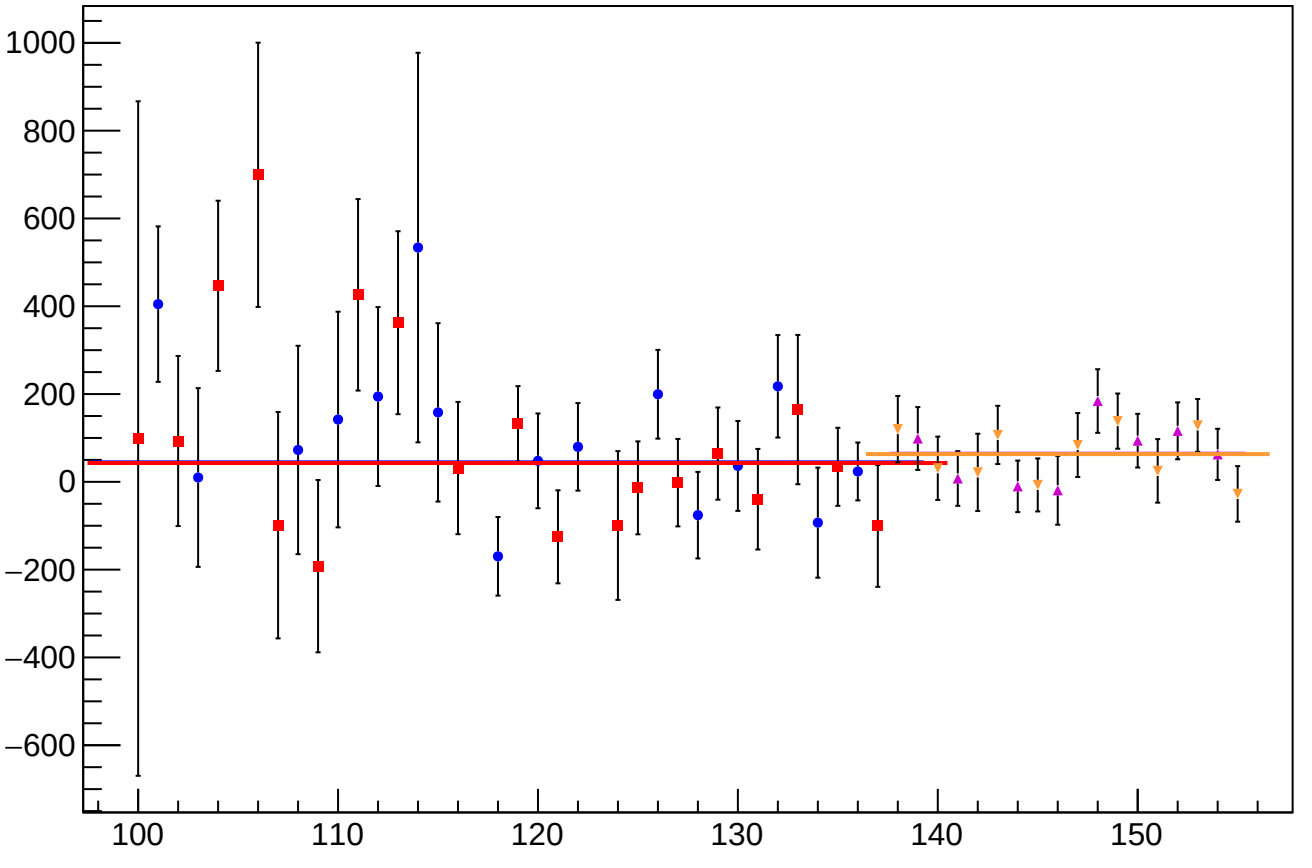
Left: 266.819+/-0.051 χ^2/NDF: 1635810.2/17

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 315.046+/-0.067 χ^2/NDF:6028724.1/23

Out: 319.206+/-0.066 χ^2/NDF:6844485.8/28

All: 317.168+/-0.047 χ^2/NDF: 12875176.9/52



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 63.265+/-21.533 χ^2/NDF:7.8/9

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 64.027+/-22.963 χ^2/NDF:7.4/7

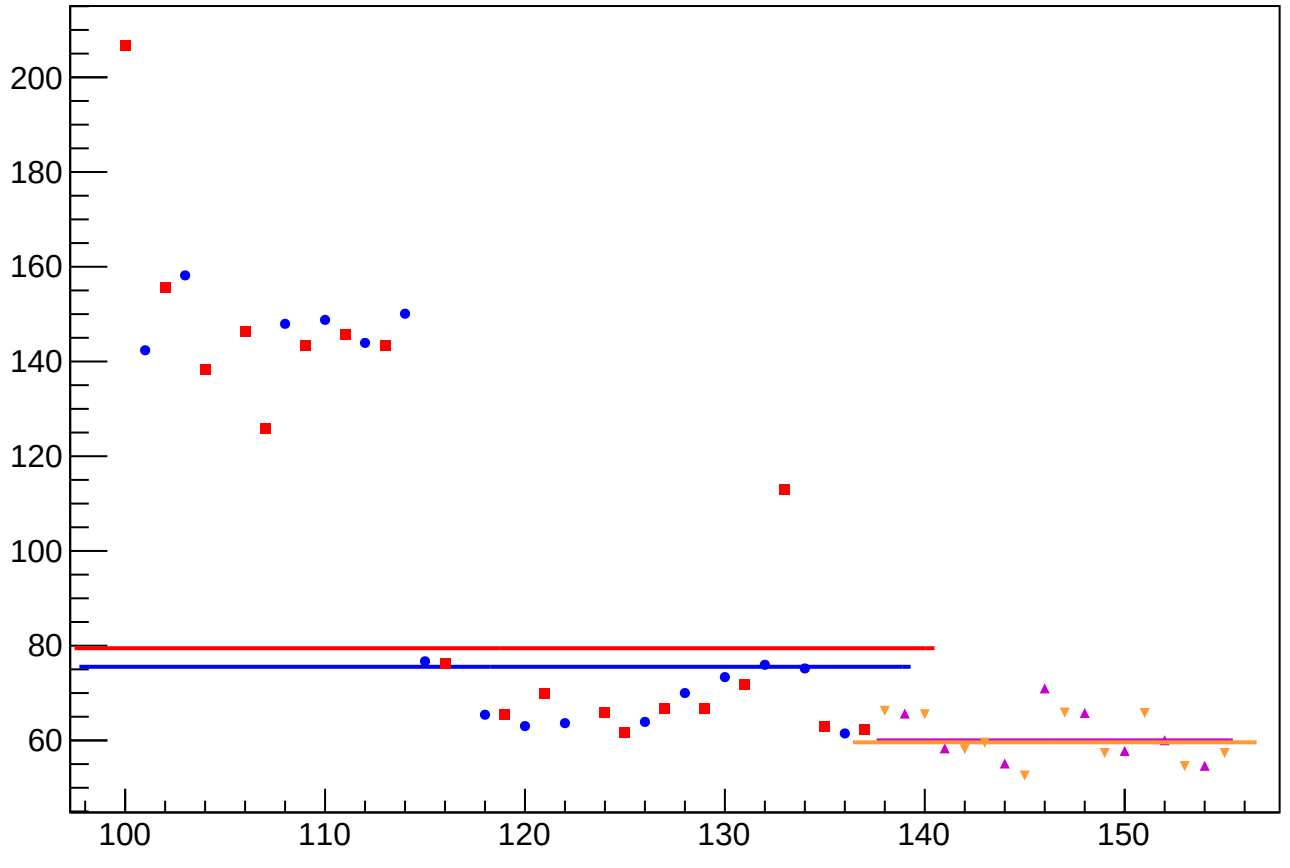
Left: 63.622+/-15.707 χ^2/NDF: 15.2/17

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 56.744+/-18.214 χ^2/NDF:27.3/23

Out: 56.708+/-17.731 χ^2/NDF:31.4/28

All: 56.726+/-12.705 χ^2/NDF: 58.7/52



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 59.595+/-0.015 χ^2/NDF:105192.2/9

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 60.000+/-0.016 χ^2/NDF:99309.2/7

Left: 59.785+/-0.011 χ^2/NDF: 204831.5/17

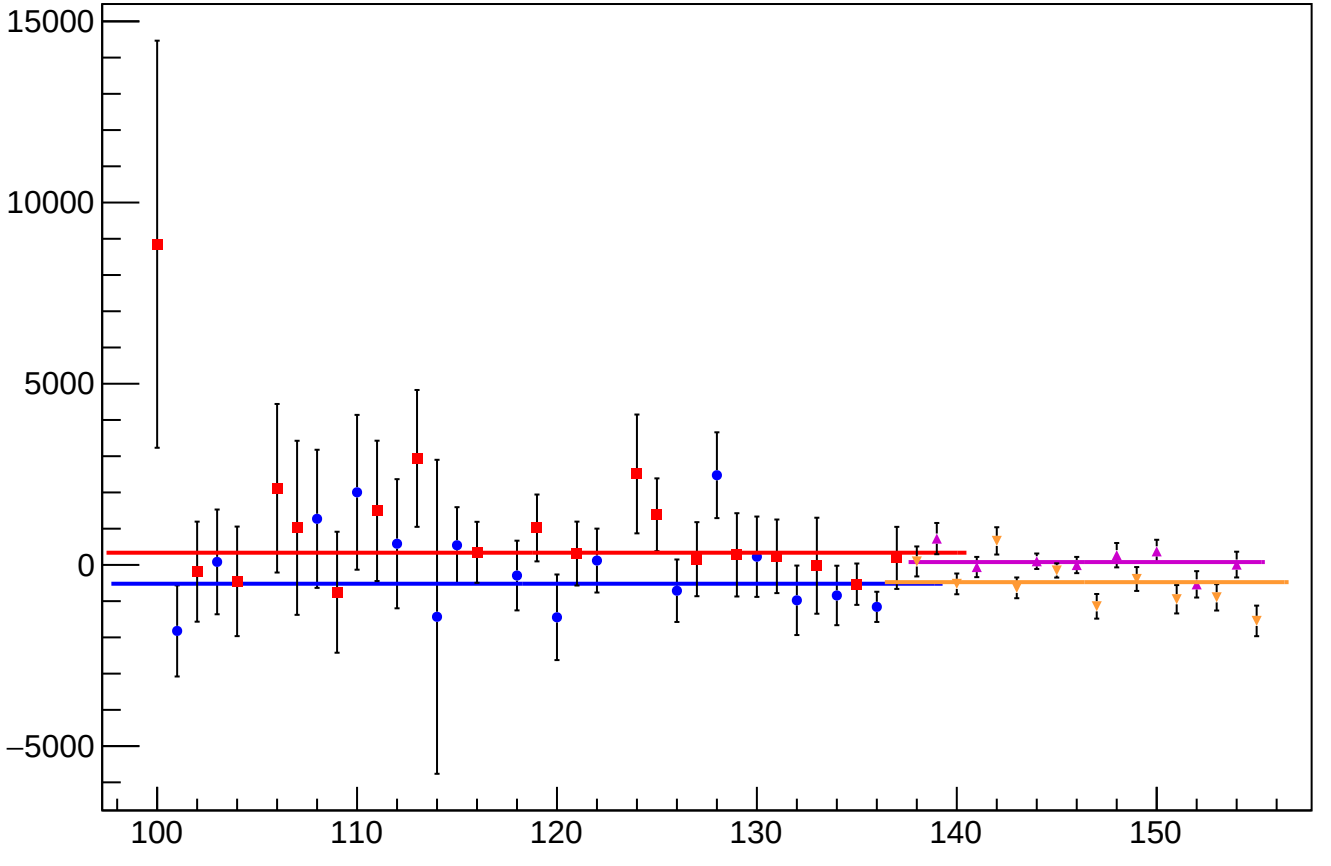
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 65.765+/-0.013 χ^2/NDF:1904731.1/23

Out: 65.993+/-0.013 χ^2/NDF:2337119.1/28

All: 65.882+/-0.009 χ^2/NDF: 4242011.6/52

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: -475.497+/-99.606 χ^2/NDF:27.2/9

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 78.521+/-103.012 χ^2/NDF:6.7/7

Left: -207.798+/-71.606 χ^2/NDF: 48.9/17

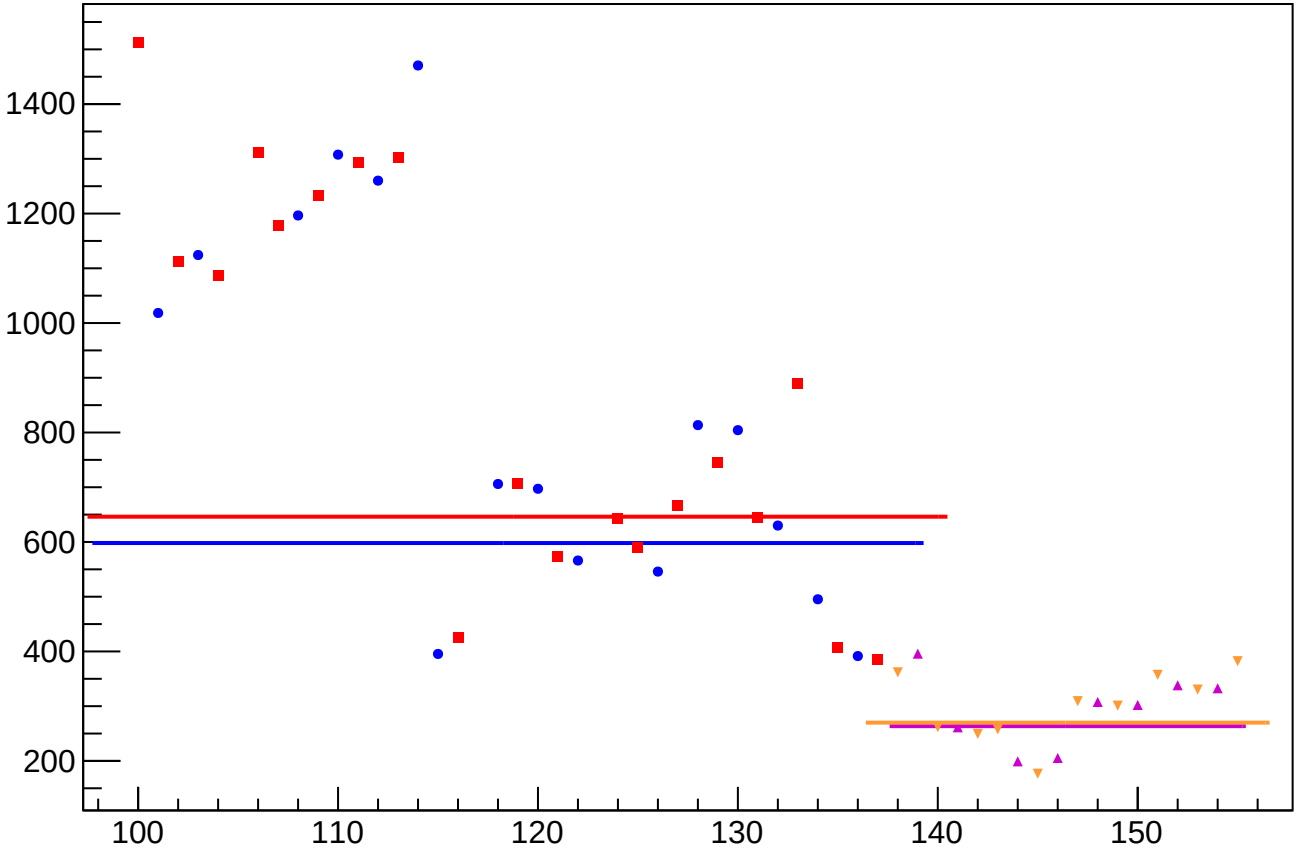
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -13.617+/-94.741 χ^2/NDF:27.7/23

Out: -369.149+/-92.857 χ^2/NDF:47.8/28

All: -194.954+/-66.316 χ^2/NDF: 82.7/52

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 269.942+/-0.070 χ^2/NDF:902629.8/9

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 263.477+/-0.073 χ^2/NDF:729112.3/7

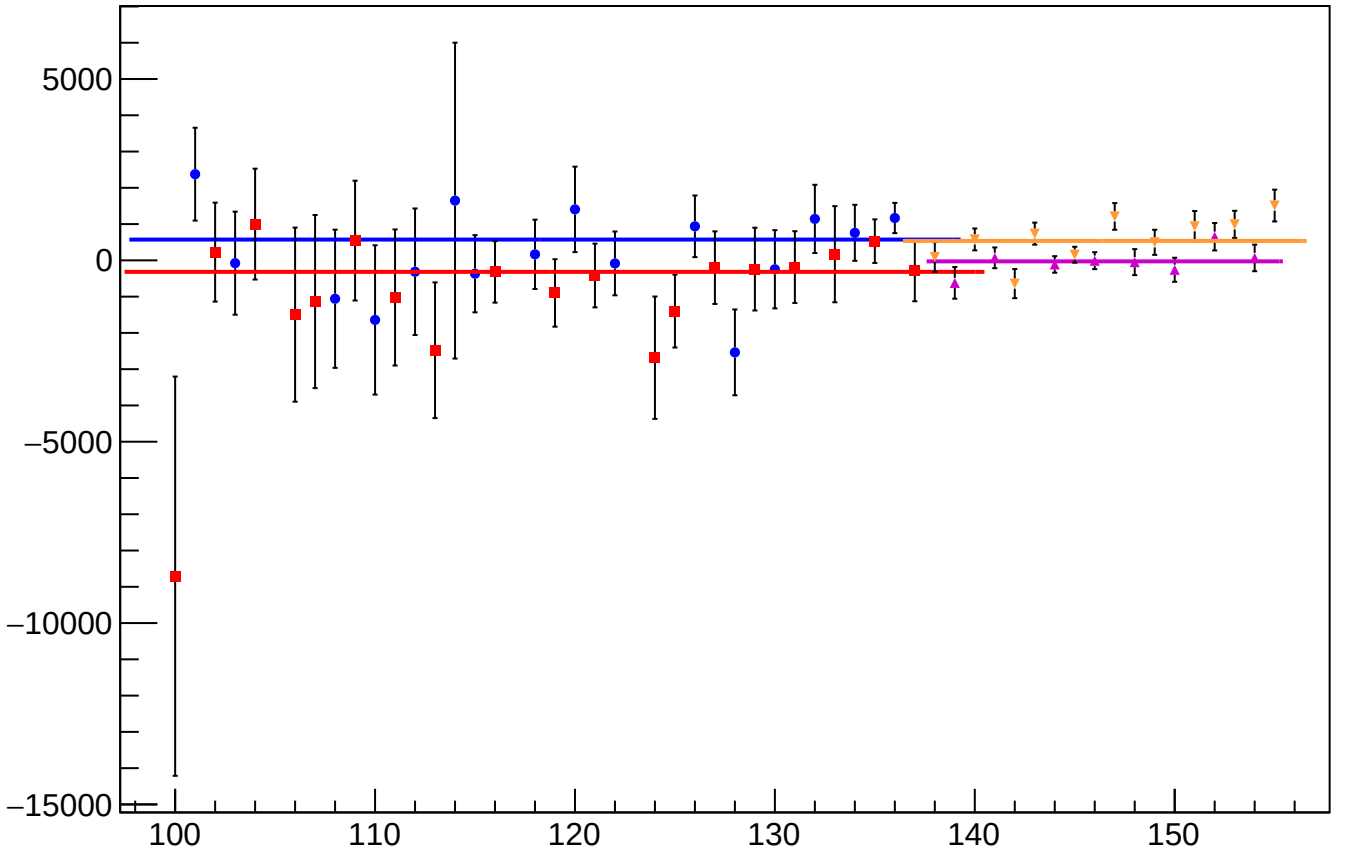
Left: 266.818+/-0.051 χ^2/NDF: 1635813.2/17

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 315.046+/-0.067 χ^2/NDF:6028707.7/23

Out: 319.206+/-0.066 χ^2/NDF:6844487.3/28

All: 317.168+/-0.047 χ^2/NDF: 12875161.6/52



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 536.594+/-106.258 χ^2/NDF:24.0/9

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -27.640+/-107.685 χ^2/NDF:5.9/7

Left: 258.240+/-75.635 χ^2/NDF: 43.8/17

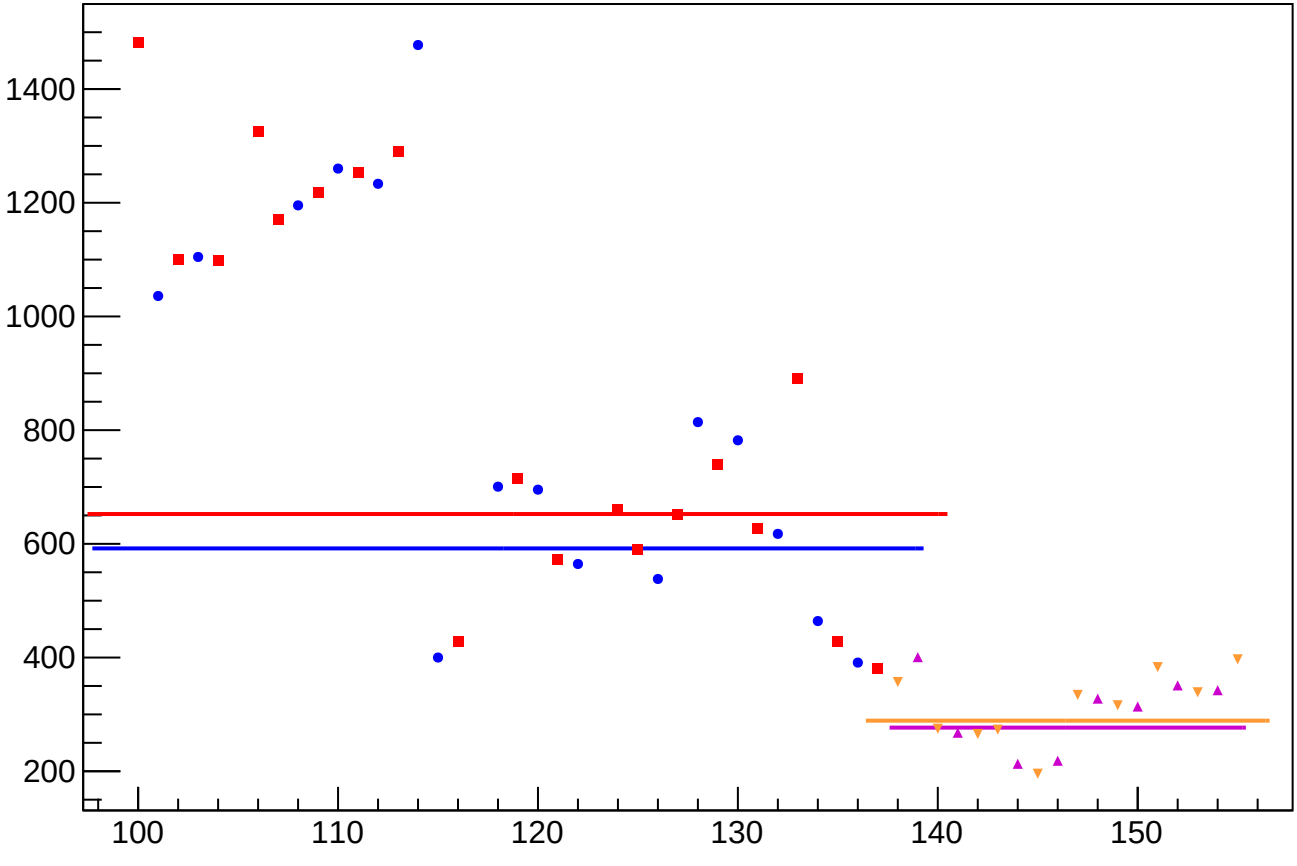
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 73.838+/-98.174 χ^2/NDF:27.7/23

Out: 413.022+/-98.265 χ^2/NDF:44.3/28

All: 243.274+/-69.452 χ^2/NDF: 78.0/52

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 288.971+/-0.075 χ^2/NDF:734253.9/9

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 276.738+/-0.076 χ^2/NDF:649998.1/7

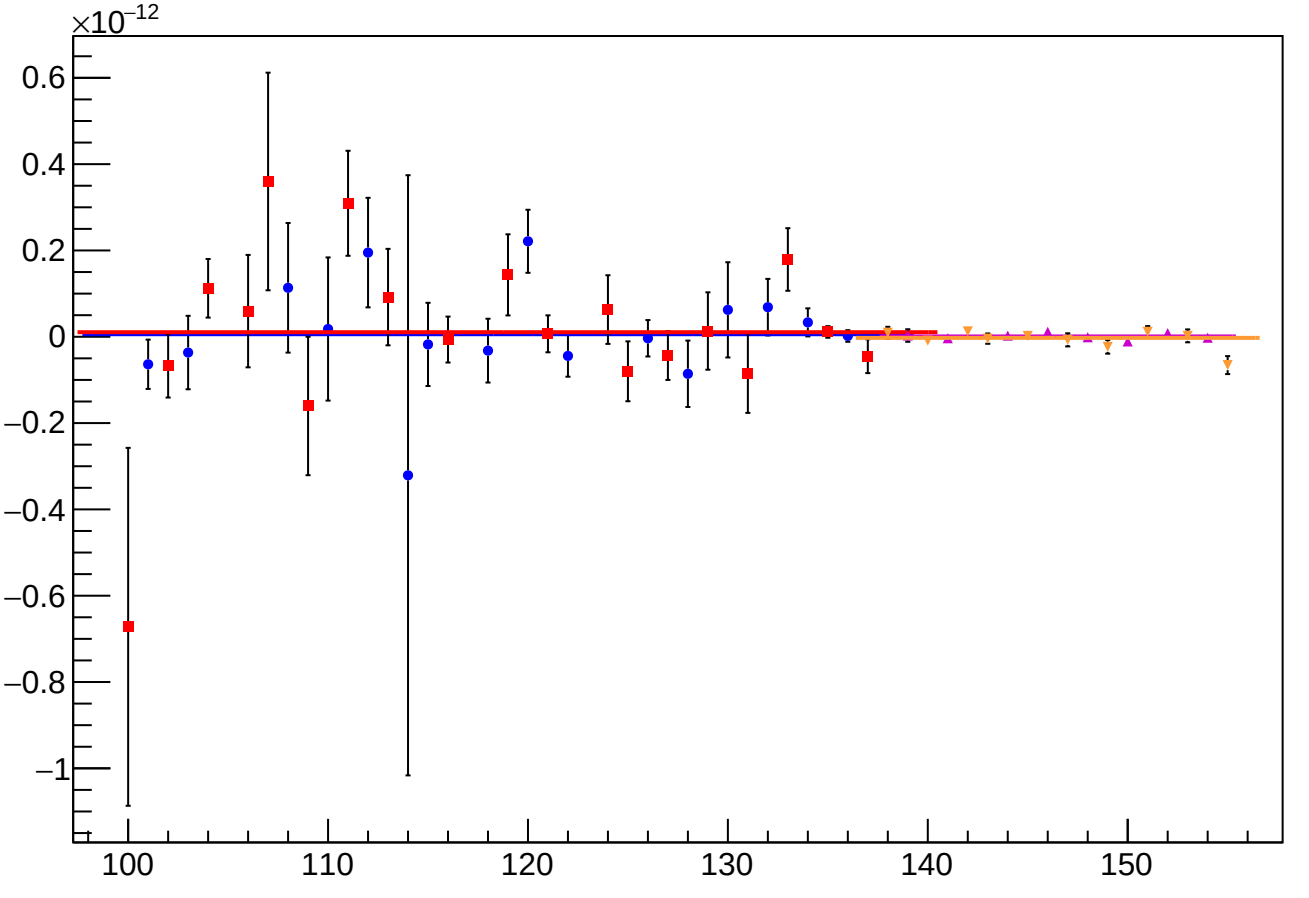
Left: 282.936+/-0.053 χ^2/NDF: 1397329.0/17

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 329.963+/-0.069 χ^2/NDF:5579547.5/23

Out: 341.602+/-0.069 χ^2/NDF:6212983.1/28

All: 335.777+/-0.049 χ^2/NDF: 11806571.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3.5/7

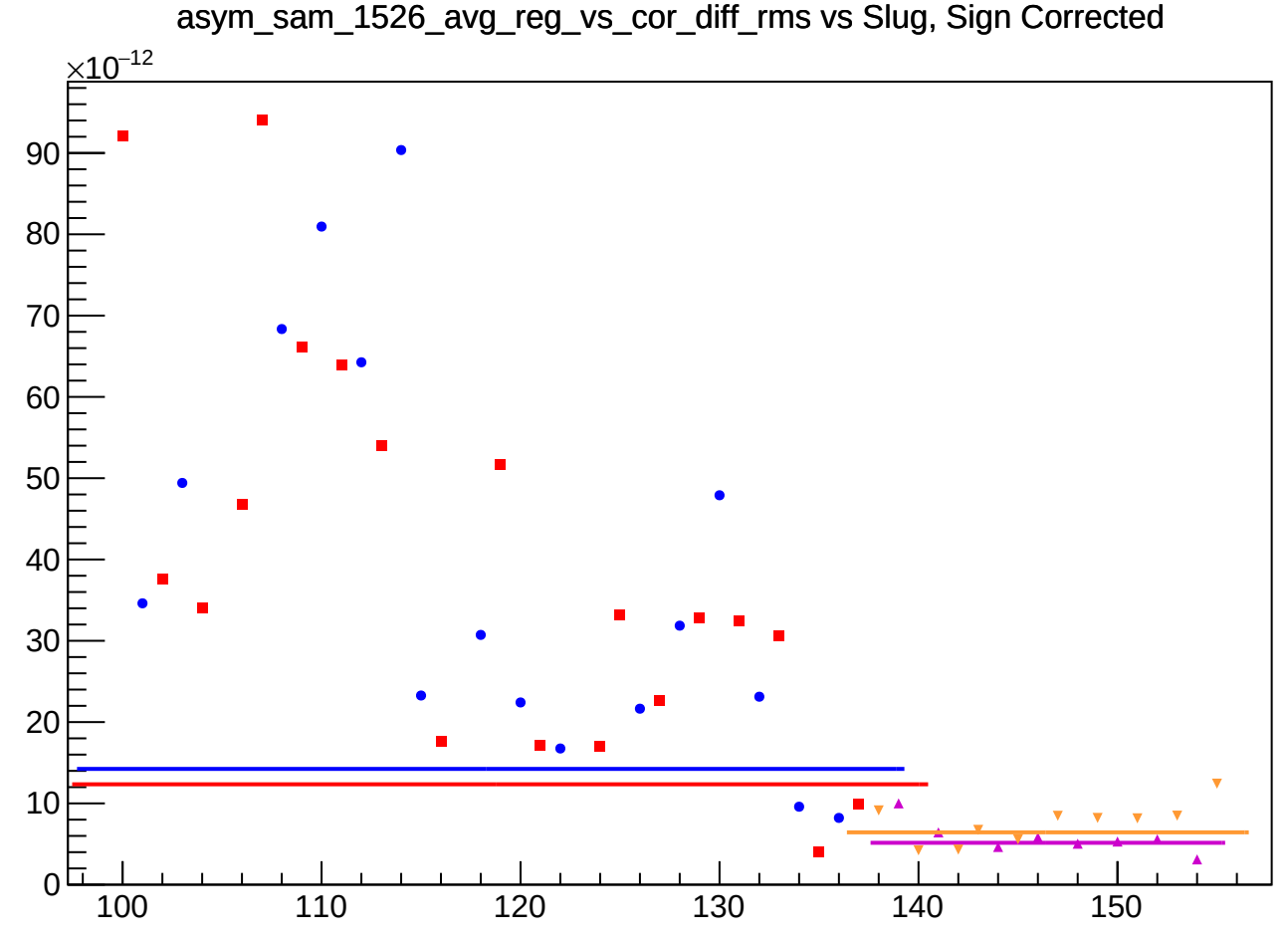
Left: -0.000+/-0.000 χ^2/NDF: 19.7/17

Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:21.9/23

Out: -0.000+/-0.000 χ^2/NDF:46.7/28

All: 0.000+/-0.000 χ^2/NDF: 68.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:625144.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:406270.1/7

Left: 0.000+/-0.000 χ^2/NDF: 1160874.3/17

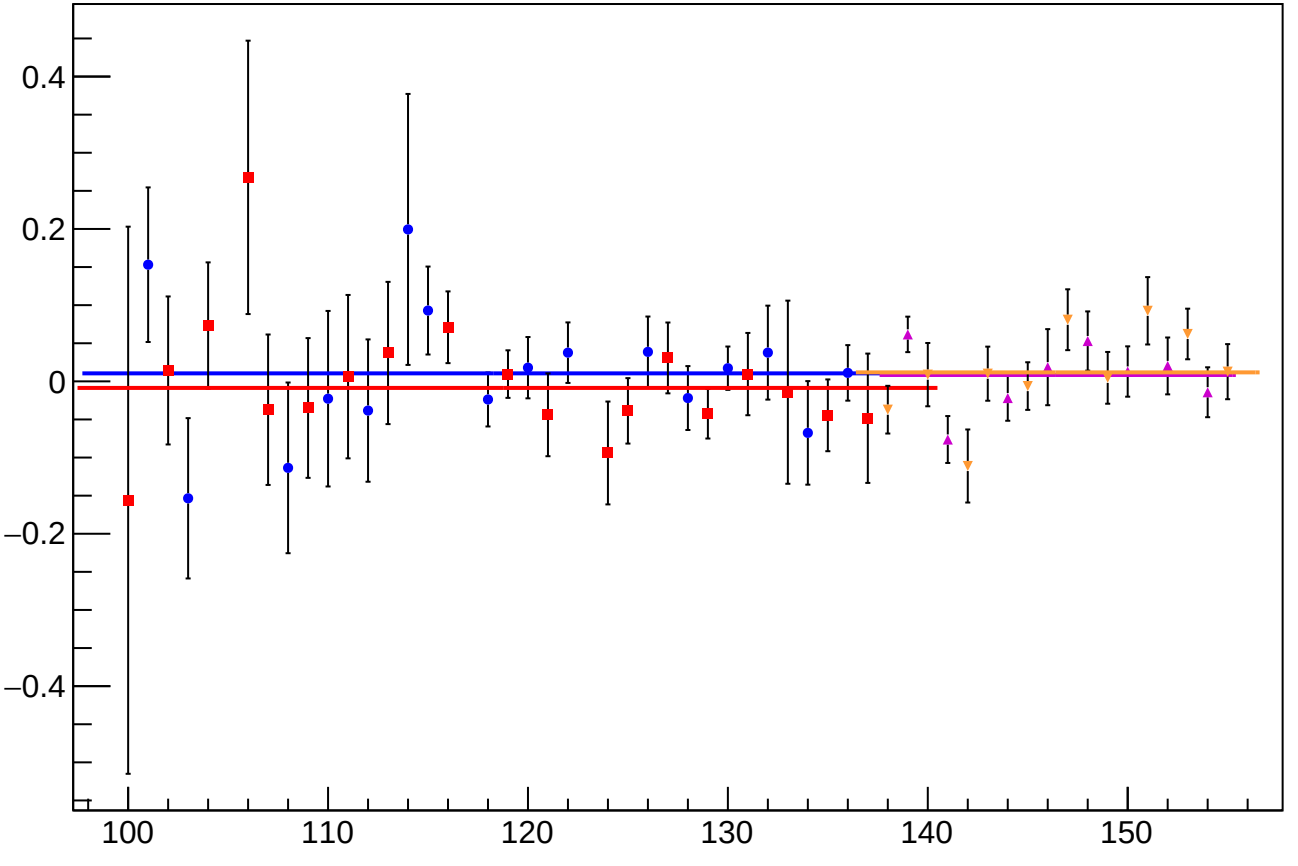
Right: 0.000+/-0.000 χ^2/NDF: 5998748.7/34

In: 0.000+/-0.000 χ^2/NDF:4250364.6/23

Out: 0.000+/-0.000 χ^2/NDF:4655923.2/28

All: 0.000+/-0.000 χ^2/NDF: 9010719.7/52

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.012 χ^2/NDF:18.0/9

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.008+/-0.011 χ^2/NDF:15.8/7

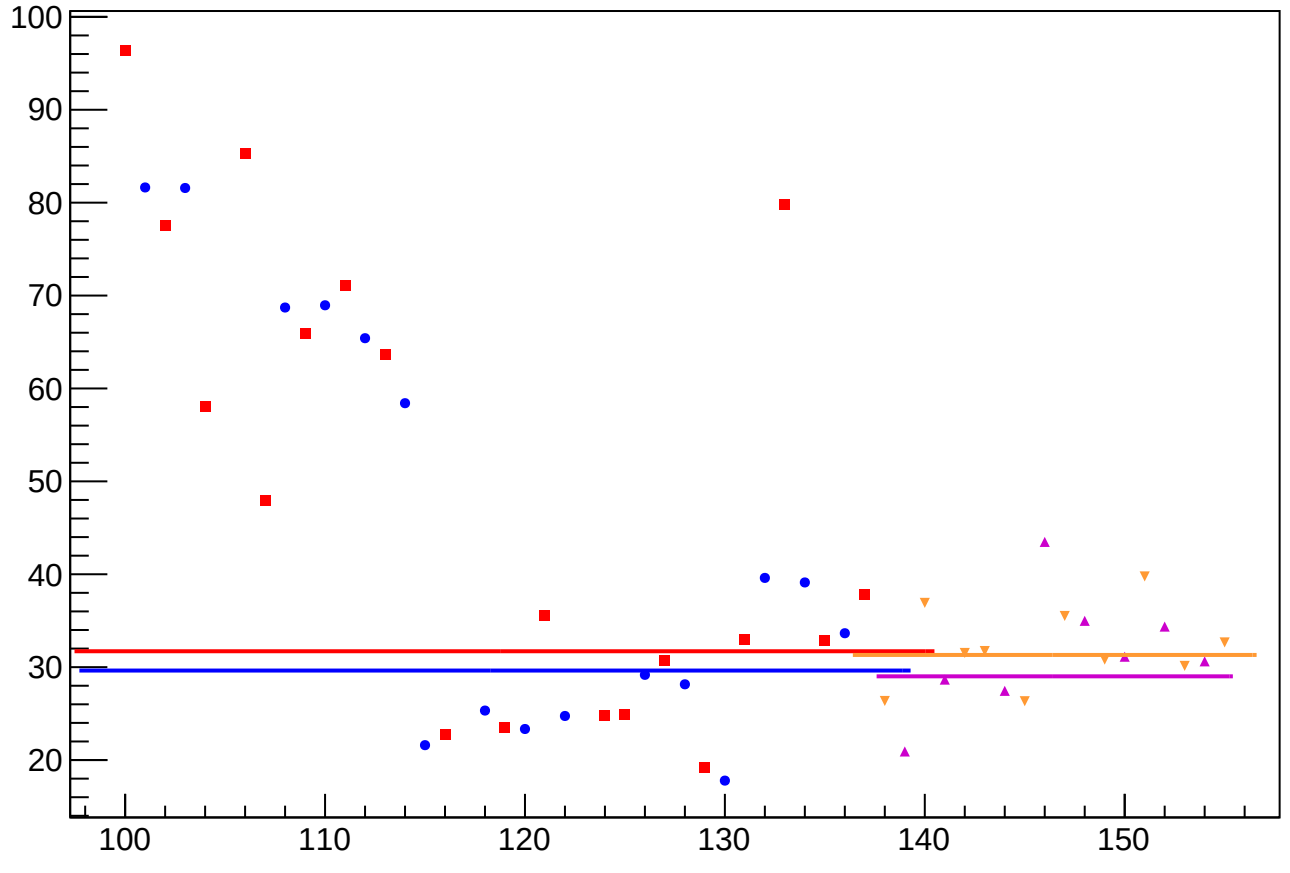
Left: 0.010+/-0.008 χ^2/NDF: 33.9/17

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.009+/-0.008 χ^2/NDF:28.9/23

Out: 0.003+/-0.009 χ^2/NDF:31.8/28

All: 0.006+/-0.006 χ^2/NDF: 61.0/52



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 31.314+/-0.008 χ^2/NDF:238625.5/9

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 29.012+/-0.008 χ^2/NDF:516657.5/7

Left: 30.154+/-0.006 χ^2/NDF: 795506.7/17

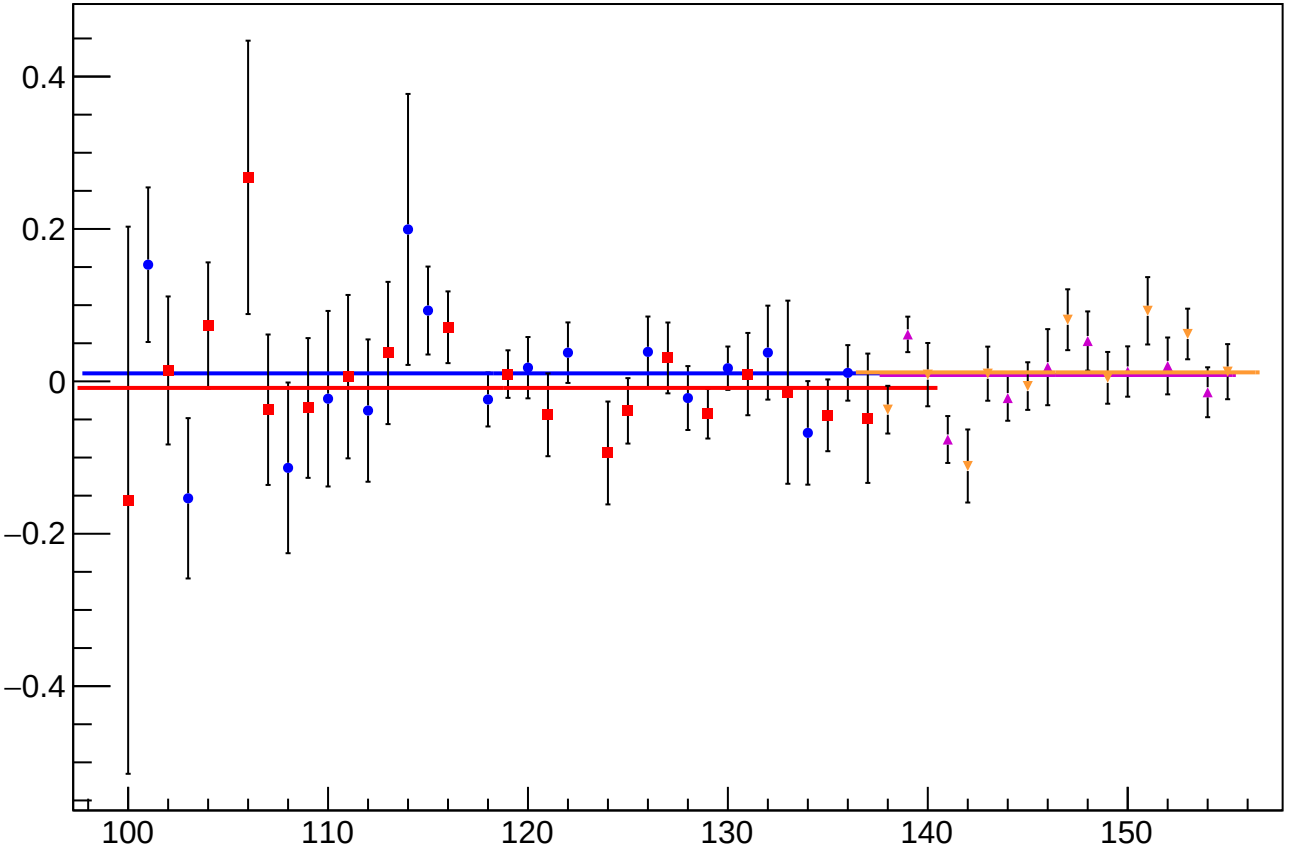
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.294+/-0.006 χ^2/NDF:2967813.2/23

Out: 31.486+/-0.006 χ^2/NDF:2891126.1/28

All: 30.359+/-0.004 χ^2/NDF: 5924273.5/52

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.012 χ^2/NDF:18.0/9

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.008+/-0.011 χ^2/NDF:15.8/7

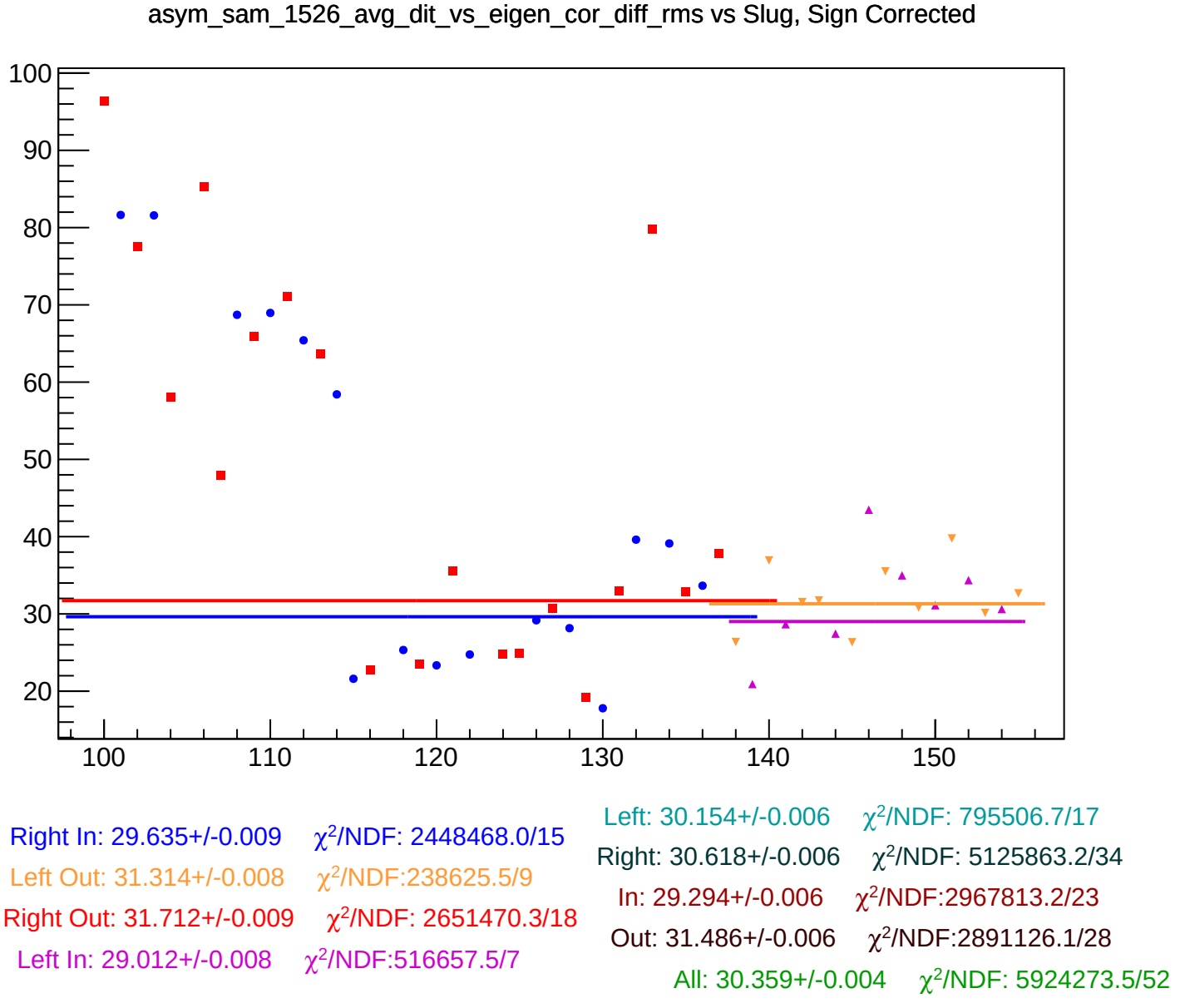
Left: 0.010+/-0.008 χ^2/NDF: 33.9/17

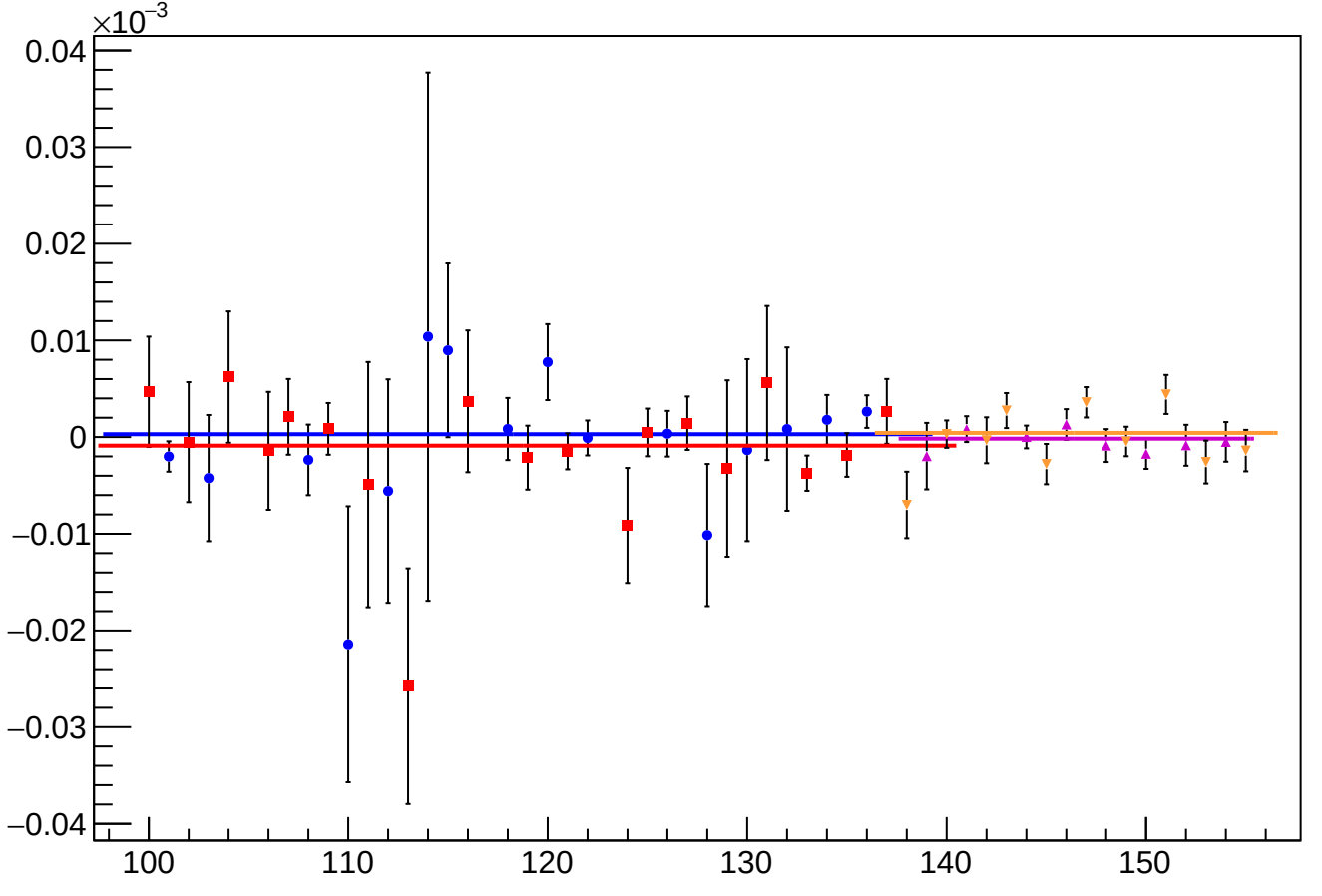
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.009+/-0.008 χ^2/NDF:28.9/23

Out: 0.003+/-0.009 χ^2/NDF:31.8/28

All: 0.006+/-0.006 χ^2/NDF: 61.0/52


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: 31.314+/-0.008 χ²/NDF:238625.5/9
Right Out: 31.712+/-0.009 χ²/NDF: 2651470.3/18
Left In: 29.012+/-0.008 χ²/NDF:516657.5/7
Left: 30.154+/-0.006 χ²/NDF: 795506.7/17
Right: 30.618+/-0.006 χ²/NDF: 5125863.2/34
In: 29.294+/-0.006 χ²/NDF:2967813.2/23
Out: 31.486+/-0.006 χ²/NDF:2891126.1/28
All: 30.359+/-0.004 χ²/NDF: 5924273.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/9

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/7

Left: 0.000+/-0.000 χ^2/NDF: 23.2/17

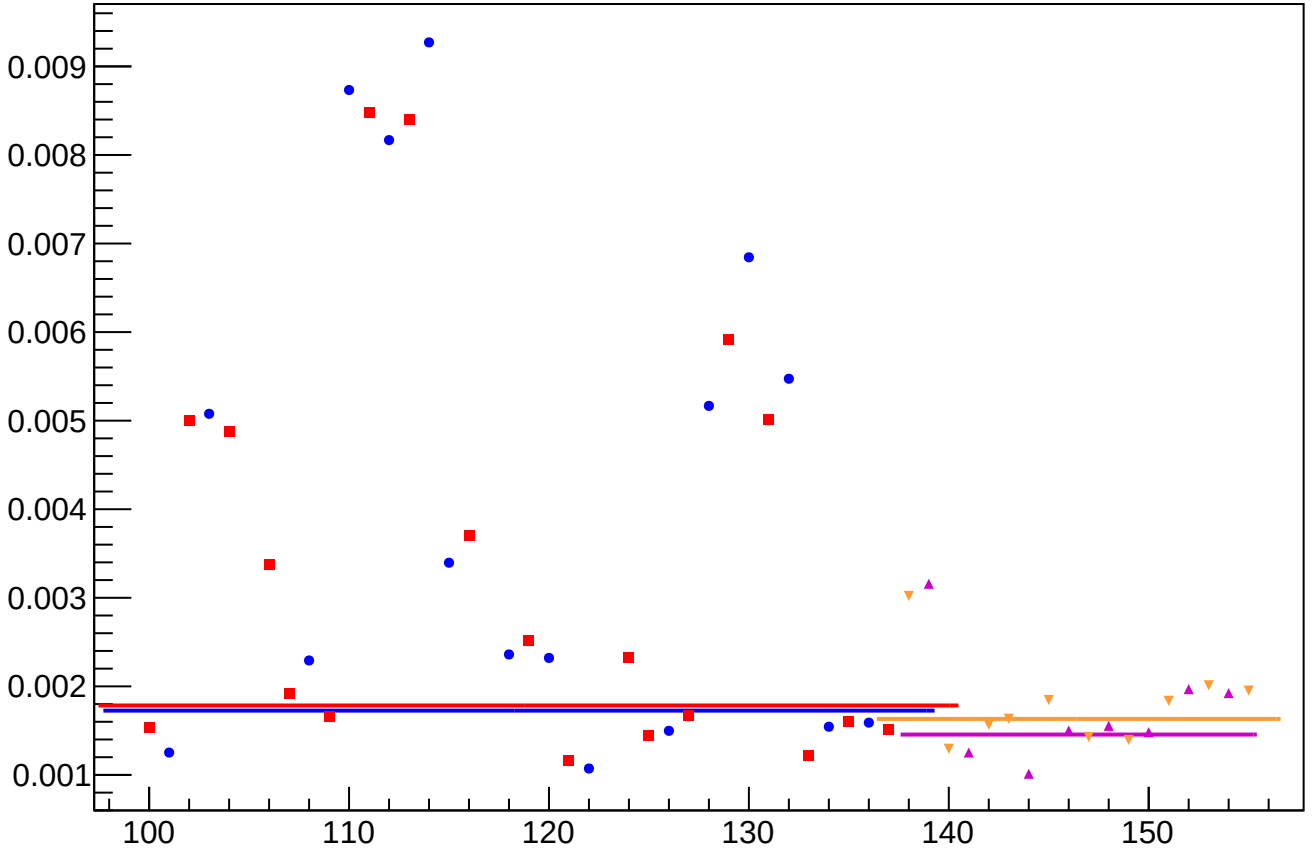
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: 0.000+/-0.000 χ^2/NDF:18.0/23

Out: -0.000+/-0.000 χ^2/NDF:36.9/28

All: -0.000+/-0.000 χ^2/NDF: 54.9/52

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:668698.2/9

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:1049955.6/7

Left: 0.002+/-0.000 χ^2/NDF: 1808788.0/17

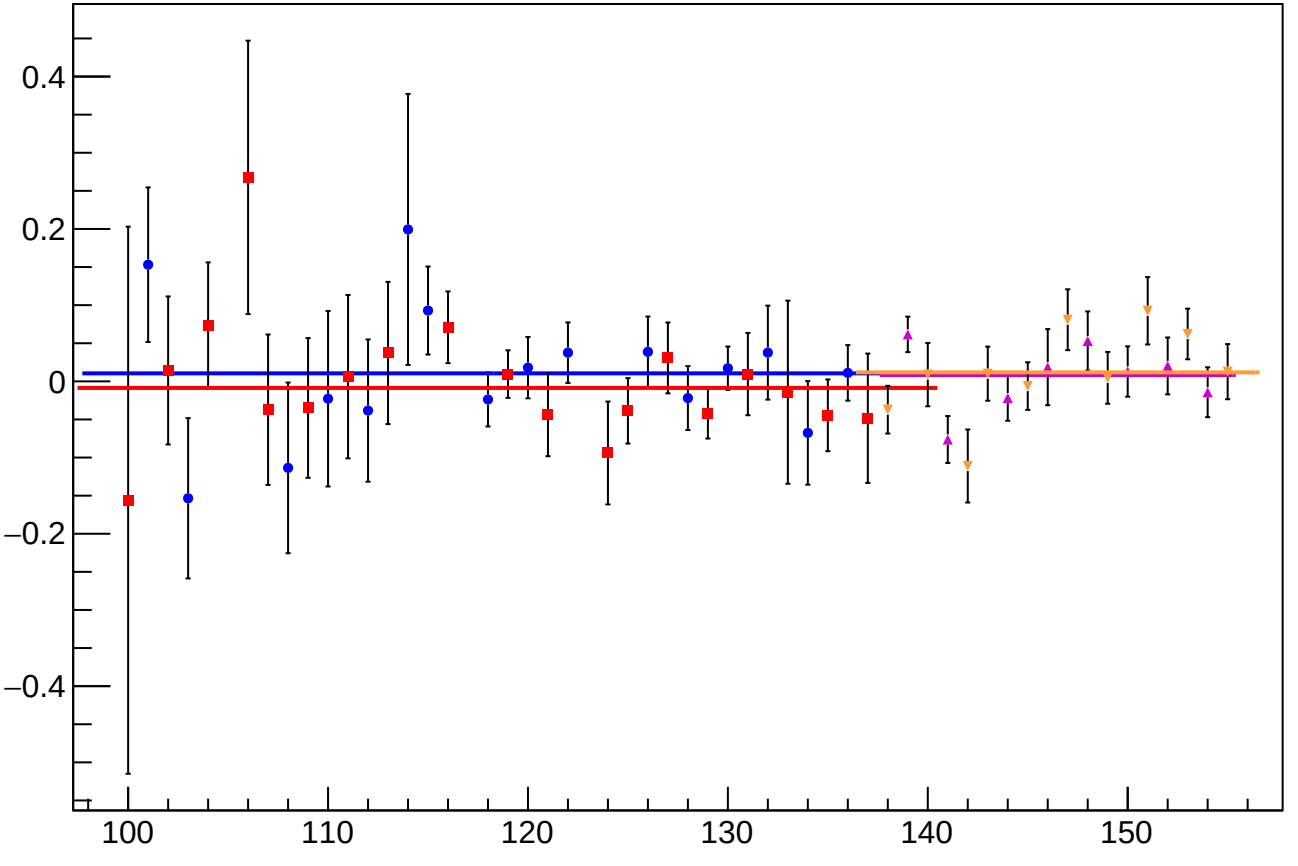
Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:5141945.3/23

Out: 0.002+/-0.000 χ^2/NDF:4435221.1/28

All: 0.002+/-0.000 χ^2/NDF: 9659475.7/52

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.012 χ^2/NDF:18.0/9

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.008+/-0.011 χ^2/NDF:15.8/7

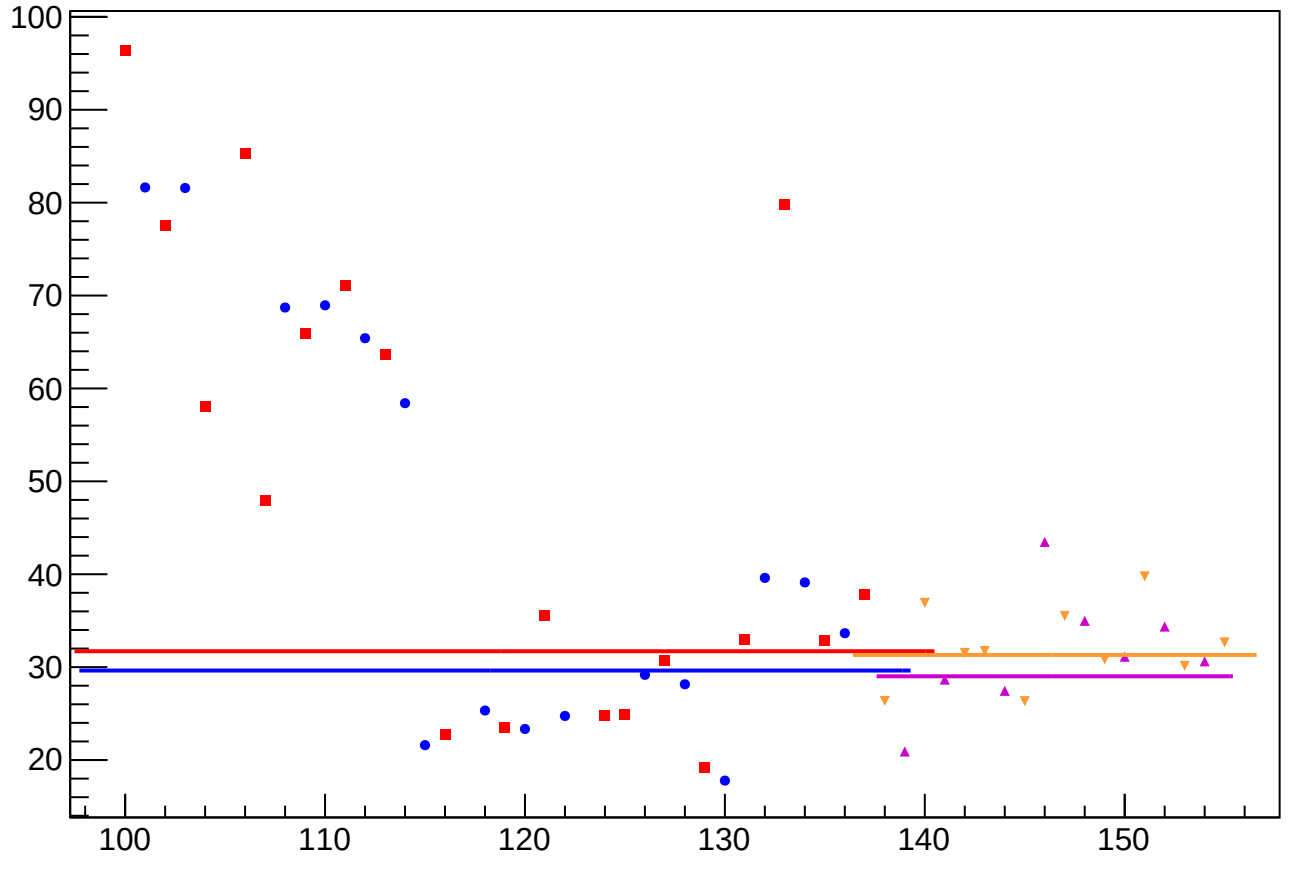
Left: 0.010+/-0.008 χ^2/NDF: 33.9/17

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.009+/-0.008 χ^2/NDF:28.9/23

Out: 0.003+/-0.009 χ^2/NDF:31.8/28

All: 0.006+/-0.006 χ^2/NDF: 61.0/52



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 31.314+/-0.008 χ^2/NDF:238626.8/9

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 29.013+/-0.008 χ^2/NDF:516647.8/7

Left: 30.154+/-0.006 χ^2/NDF: 795495.9/17

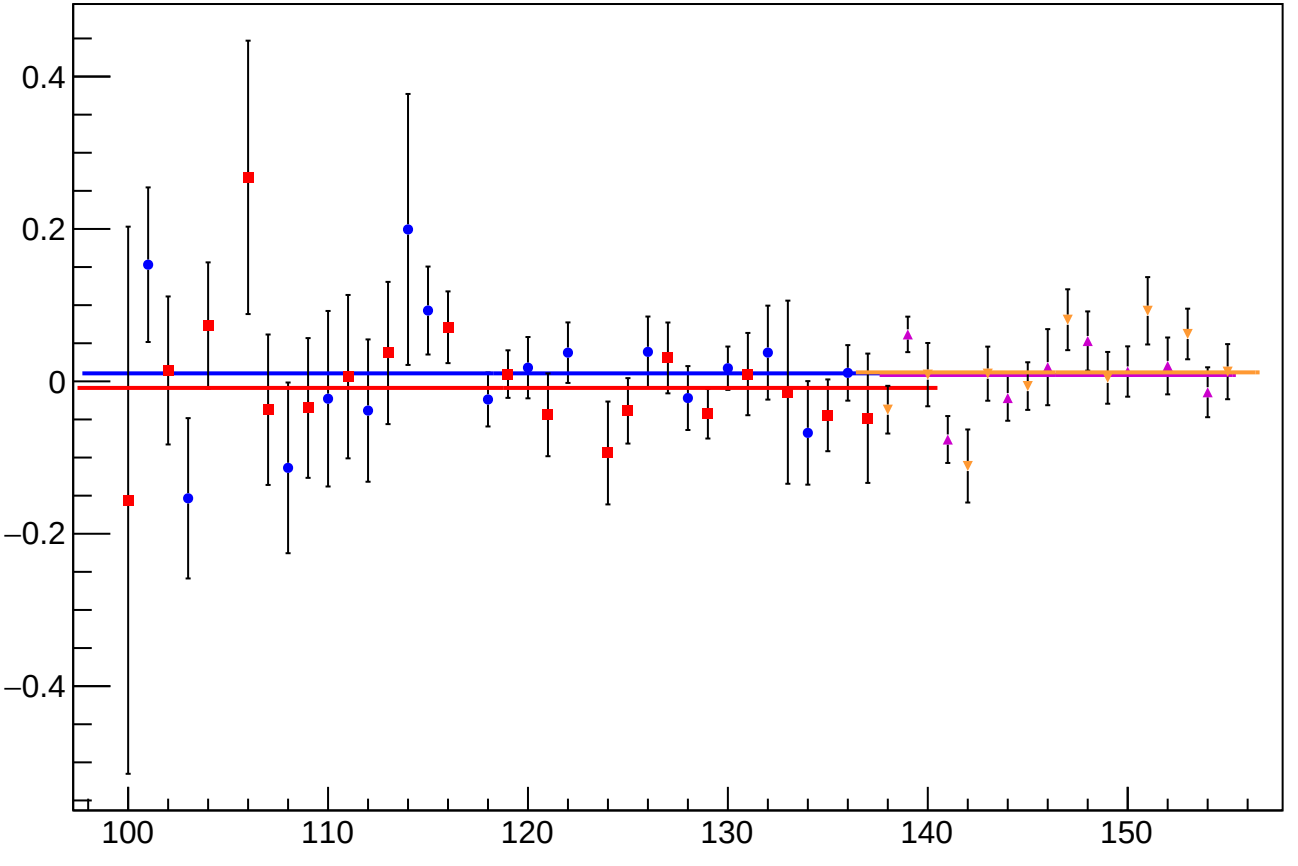
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 29.294+/-0.006 χ^2/NDF:2967991.7/23

Out: 31.485+/-0.006 χ^2/NDF:2891287.1/28

All: 30.359+/-0.004 χ^2/NDF: 5924614.0/52

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.012 χ^2/NDF:18.0/9

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.008+/-0.011 χ^2/NDF:15.8/7

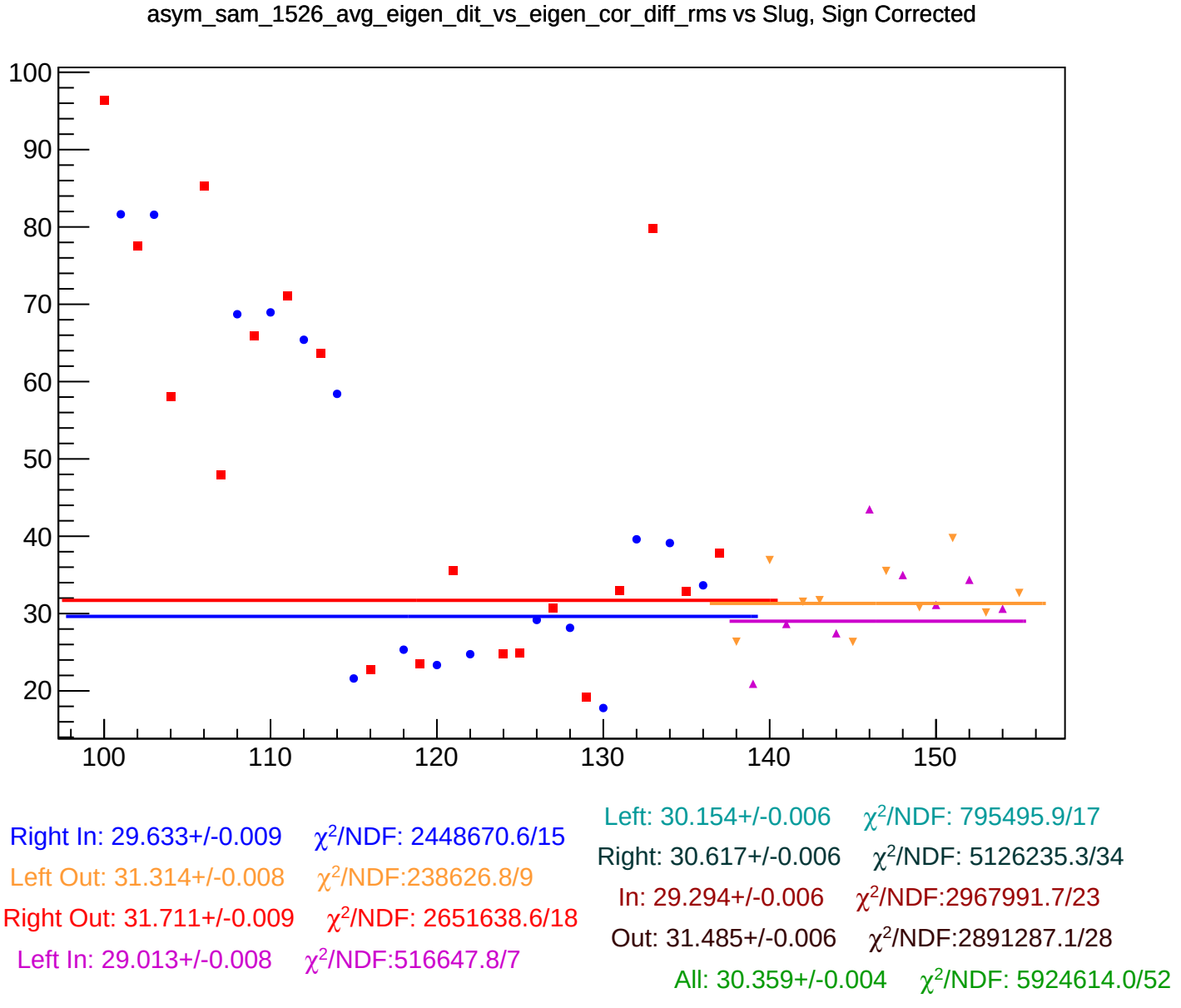
Left: 0.010+/-0.008 χ^2/NDF: 33.9/17

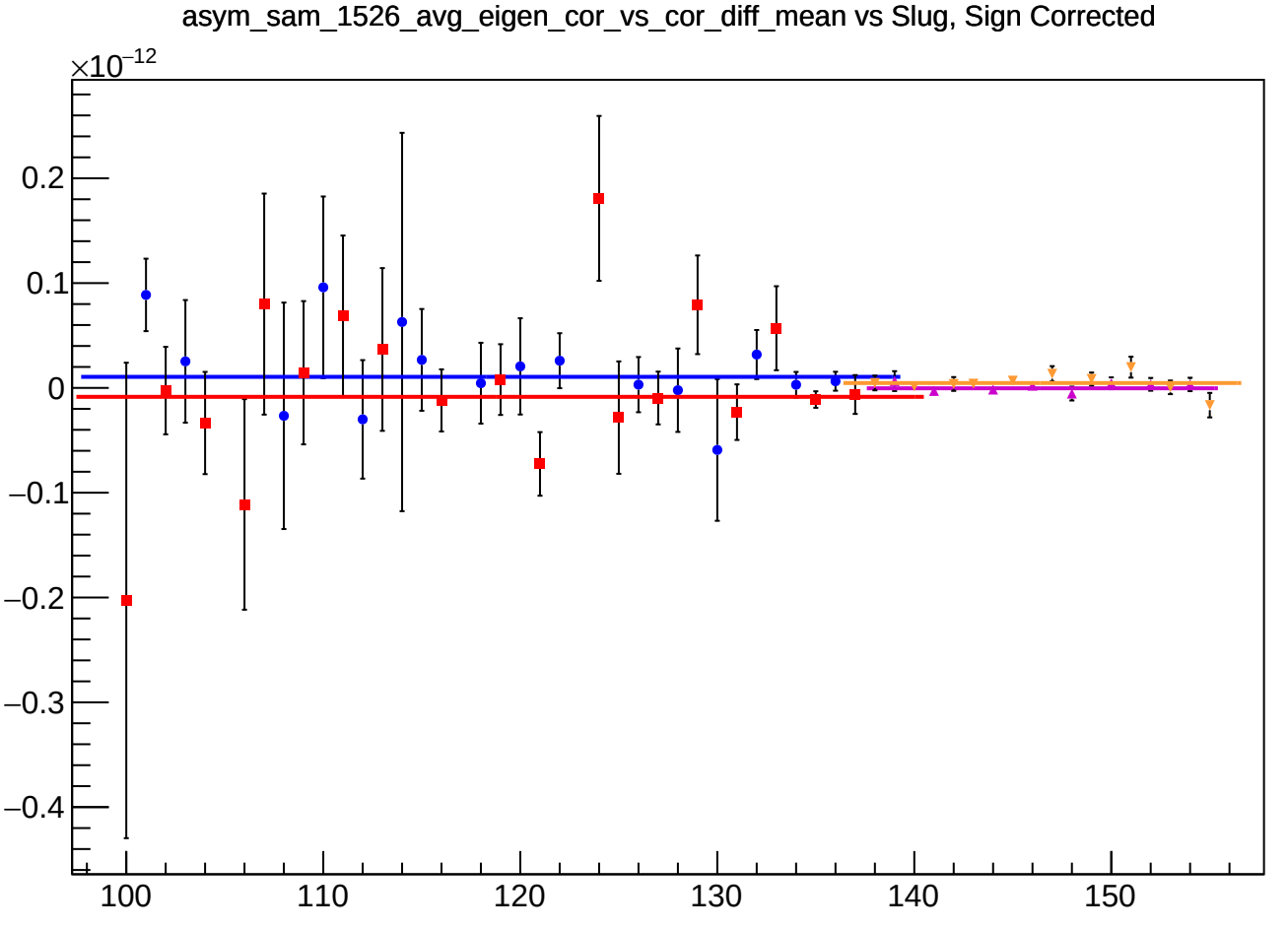
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.009+/-0.008 χ^2/NDF:28.9/23

Out: 0.003+/-0.009 χ^2/NDF:31.8/28

All: 0.006+/-0.006 χ^2/NDF: 61.0/52


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 29.633+/-0.009 χ²/NDF: 2448670.6/15
Left Out: 31.314+/-0.008 χ²/NDF:238626.8/9
Right Out: 31.711+/-0.009 χ²/NDF: 2651638.6/18
Left In: 29.013+/-0.008 χ²/NDF:516647.8/7
Left: 30.154+/-0.006 χ²/NDF: 795495.9/17
Right: 30.617+/-0.006 χ²/NDF: 5126235.3/34
In: 29.294+/-0.006 χ²/NDF:2967991.7/23
Out: 31.485+/-0.006 χ²/NDF:2891287.1/28
All: 30.359+/-0.004 χ²/NDF: 5924614.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.9/9

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/7

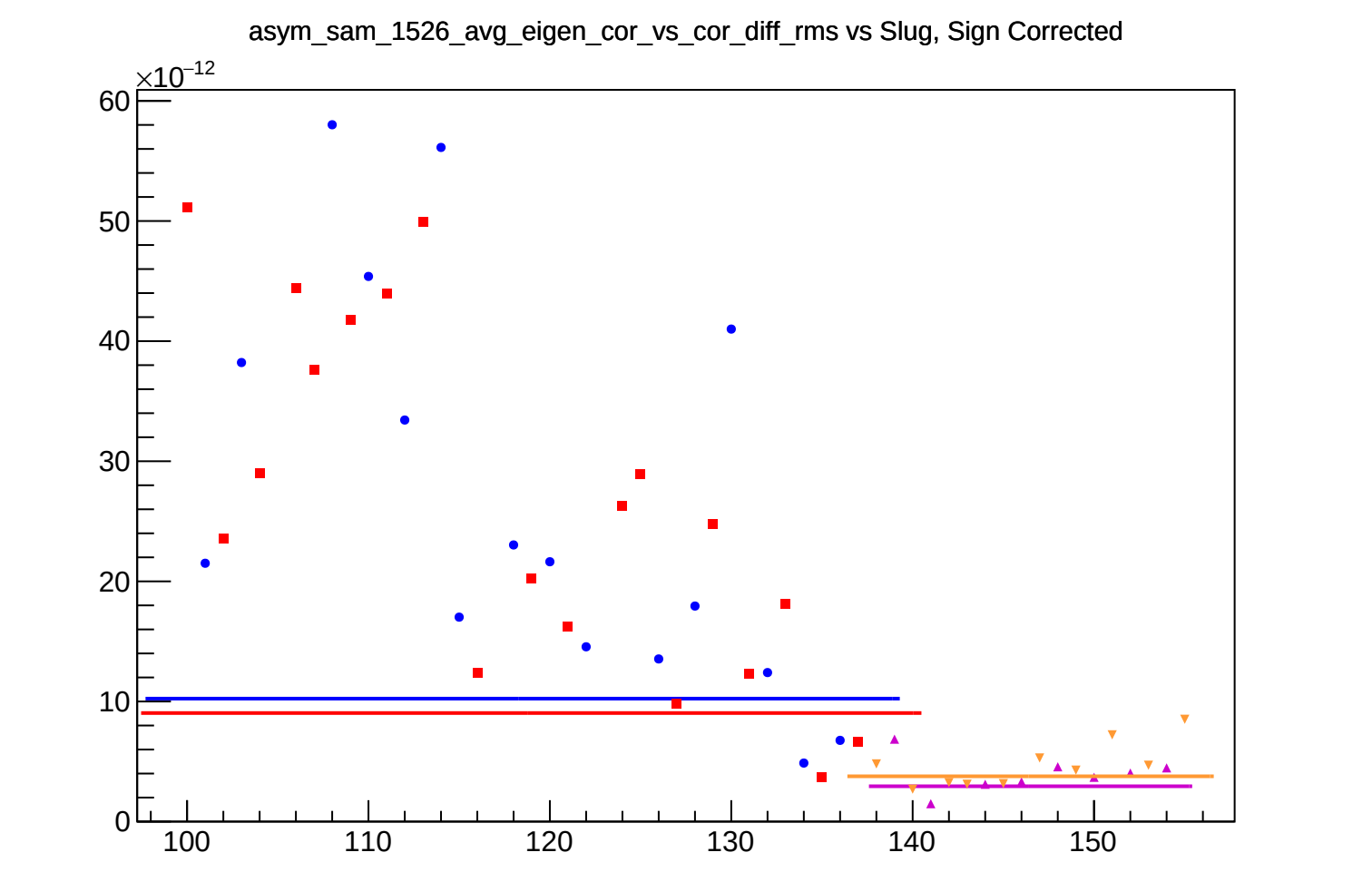
Left: 0.000+/-0.000 χ^2/NDF: 16.9/17

Right: 0.000+/-0.000 χ^2/NDF: 36.6/34

In: 0.000+/-0.000 χ^2/NDF:16.9/23

Out: 0.000+/-0.000 χ^2/NDF:34.8/28

All: 0.000+/-0.000 χ^2/NDF: 53.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1012669.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1273135.2/7

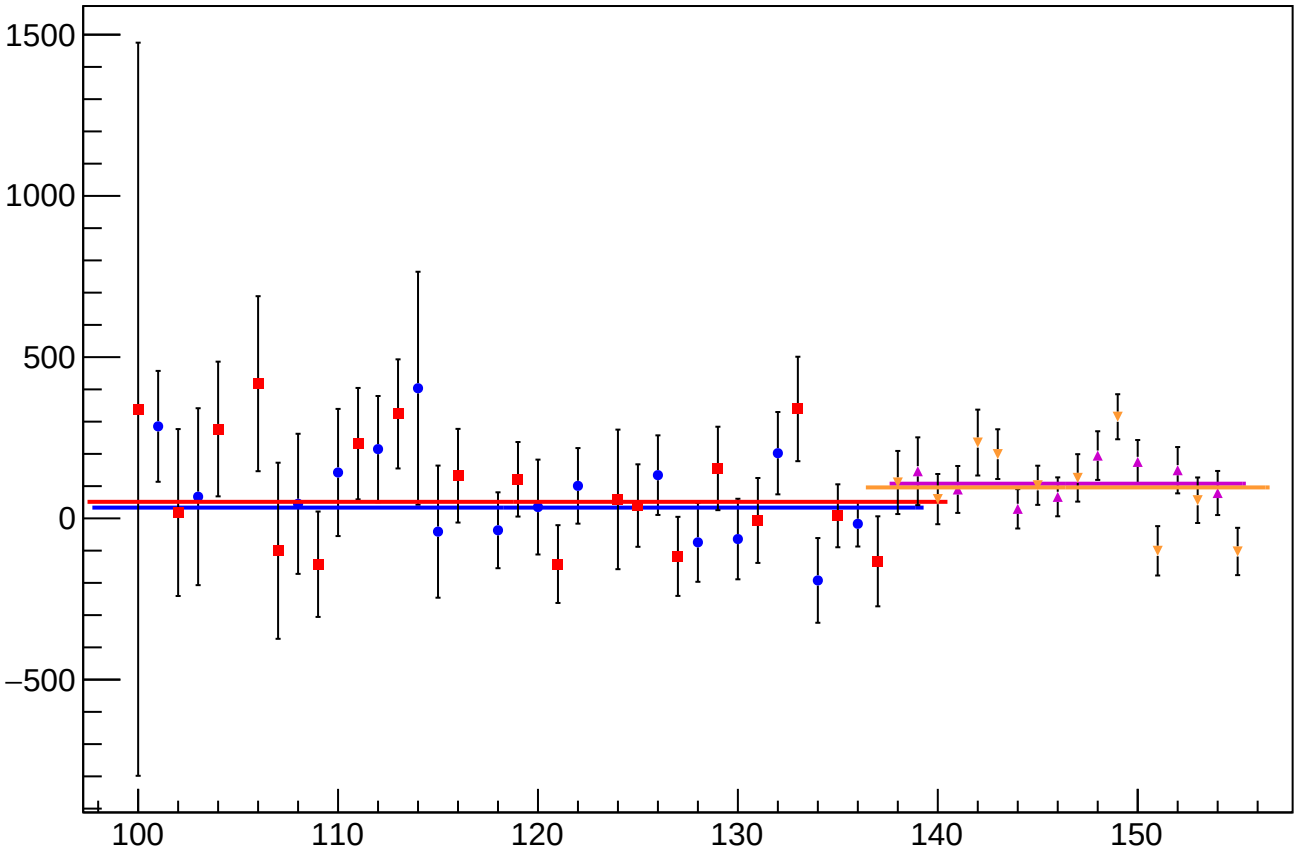
Left: 0.000+/-0.000 χ^2/NDF: 2514664.0/17

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7535316.2/23

Out: 0.000+/-0.000 χ^2/NDF:6973037.9/28

All: 0.000+/-0.000 χ^2/NDF: 14718952.7/52



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 96.010+/-23.895 χ^2/NDF:28.2/9

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 107.569+/-24.818 χ^2/NDF:5.1/7

Left: 101.571+/-17.213 χ^2/NDF: 33.4/17

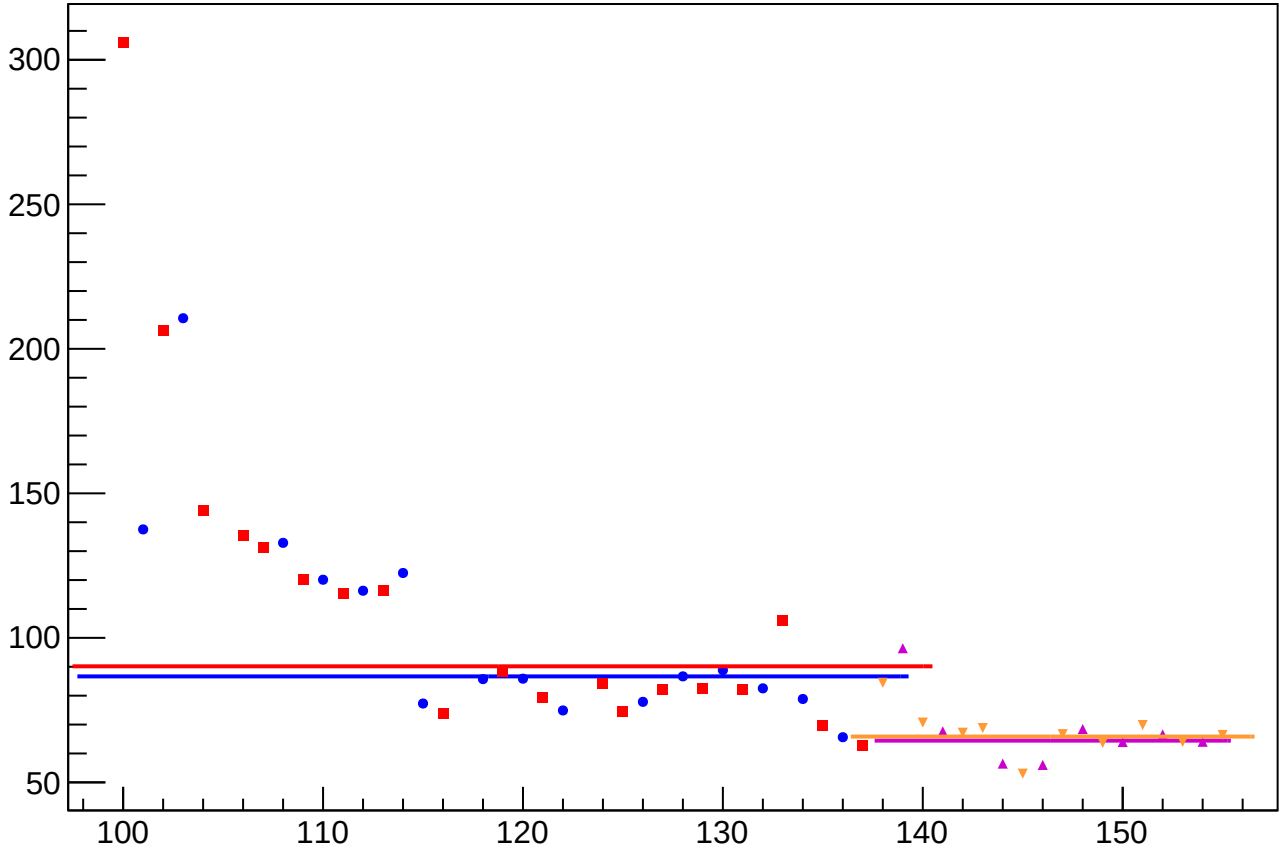
Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 81.680+/-20.021 χ^2/NDF:21.1/23

Out: 81.725+/-19.707 χ^2/NDF:48.8/28

All: 81.703+/-14.045 χ^2/NDF: 69.9/52

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.847+/-0.017 χ^2/NDF:181767.9/9

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.443+/-0.018 χ^2/NDF:269264.6/7

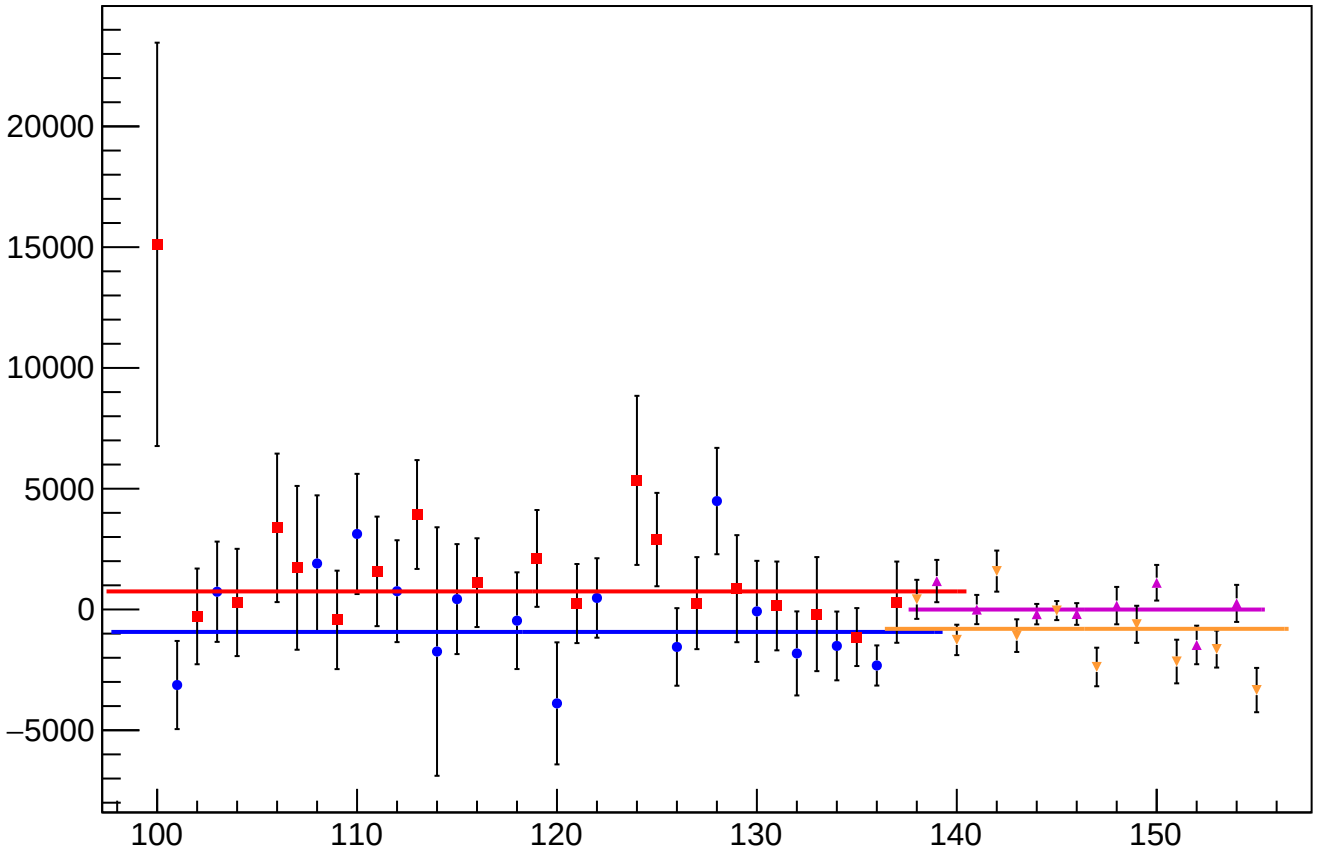
Left: 65.172+/-0.012 χ^2/NDF: 454350.7/17

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 72.203+/-0.014 χ^2/NDF:1868060.6/23

Out: 73.619+/-0.014 χ^2/NDF:1993499.5/28

All: 72.922+/-0.010 χ^2/NDF: 3866637.4/52



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -802.039+/-216.075 χ^2/NDF:29.6/9

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: -2.960+/-216.347 χ^2/NDF:8.0/7

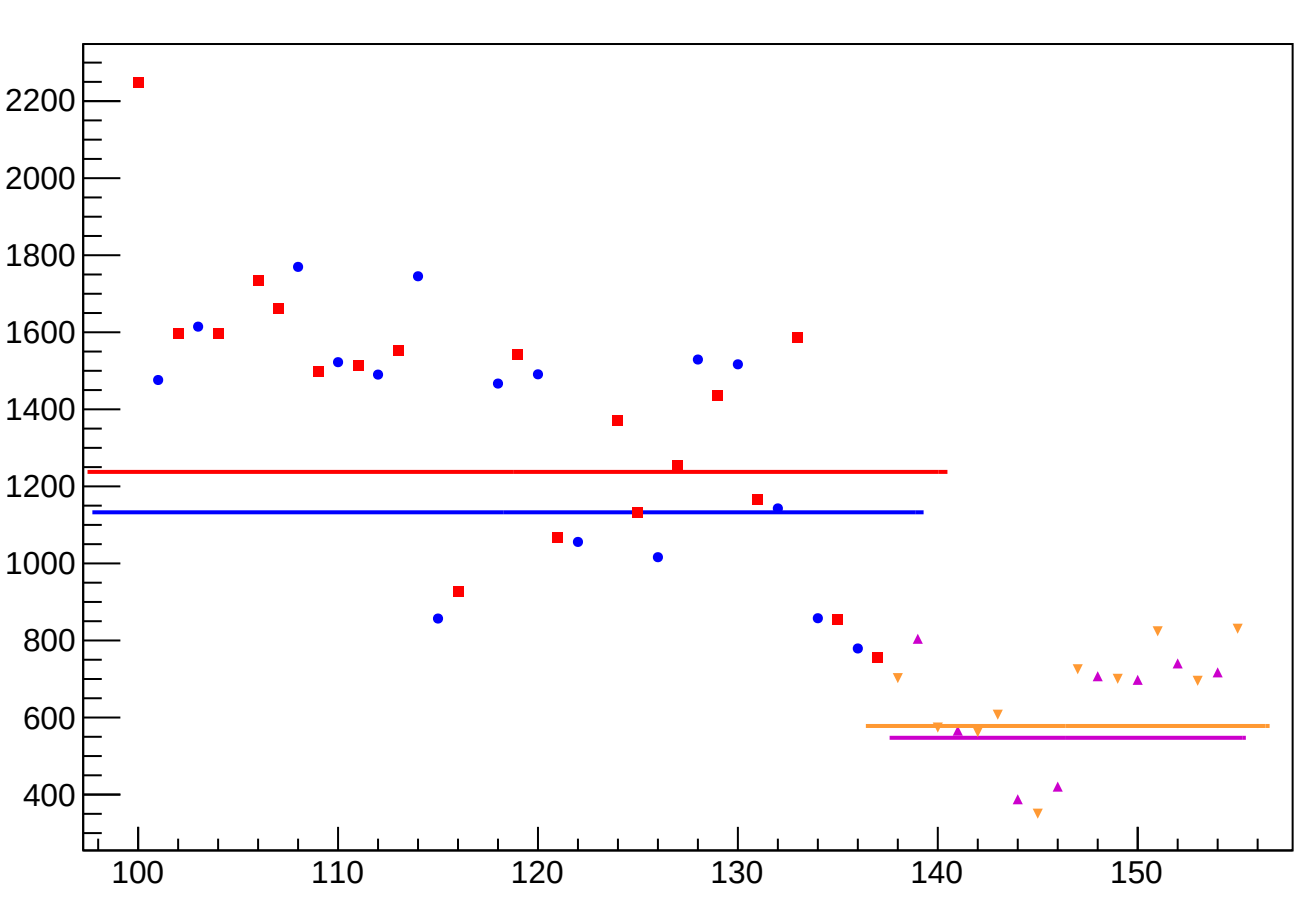
Left: -403.003+/-152.884 χ^2/NDF: 44.4/17

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -182.828+/-194.224 χ^2/NDF:30.1/23

Out: -529.729+/-196.168 χ^2/NDF:51.6/28

All: -354.550+/-138.019 χ^2/NDF: 83.3/52



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 578.057+/-0.153 χ^2/NDF:1181711.3/9

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 547.386+/-0.153 χ^2/NDF:1001933.4/7

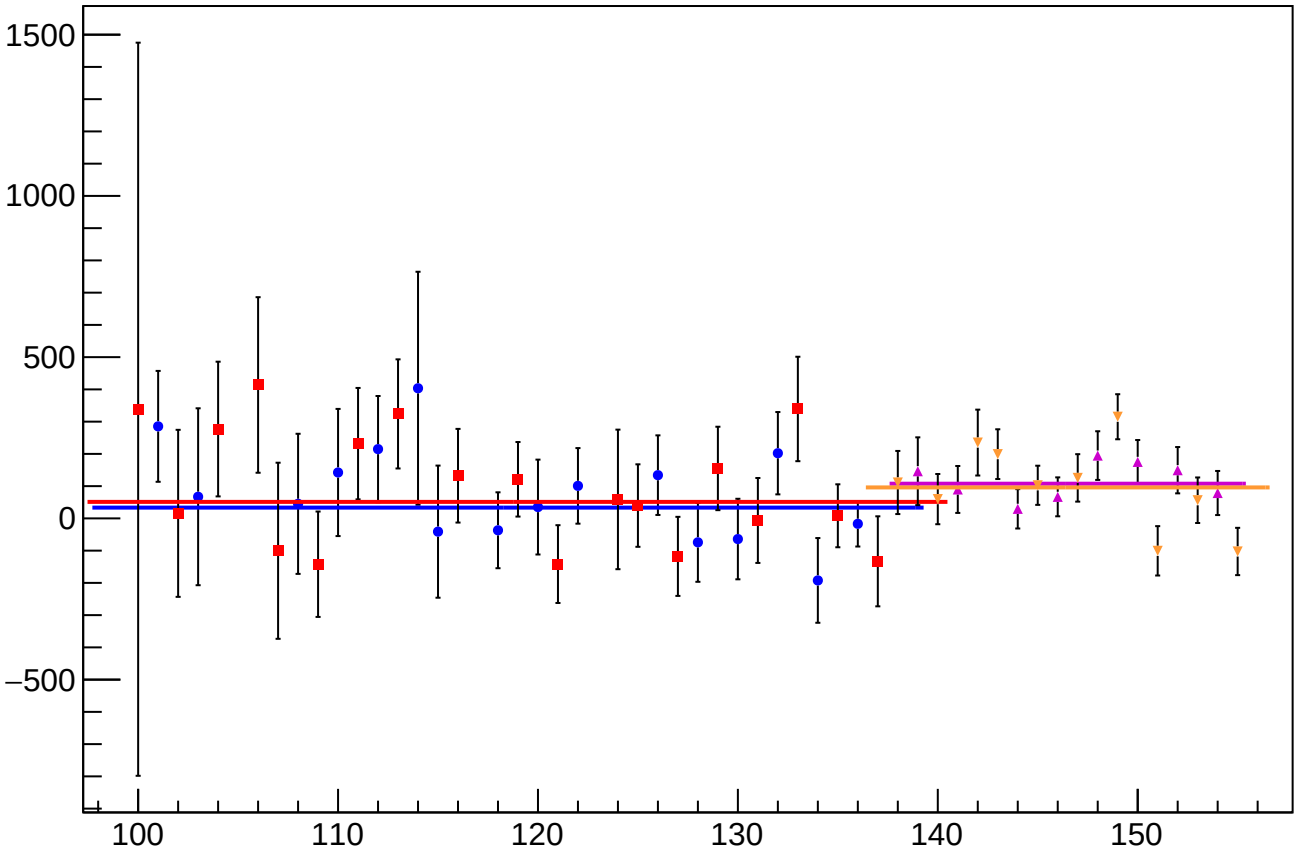
Left: 562.741+/-0.108 χ^2/NDF: 2203768.5/17

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 660.970+/-0.137 χ^2/NDF:4966790.0/23

Out: 693.984+/-0.139 χ^2/NDF:5352257.9/28

All: 677.312+/-0.098 χ^2/NDF: 10347652.5/52



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 96.014+/-23.895 χ^2/NDF:28.2/9

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 107.568+/-24.818 χ^2/NDF:5.1/7

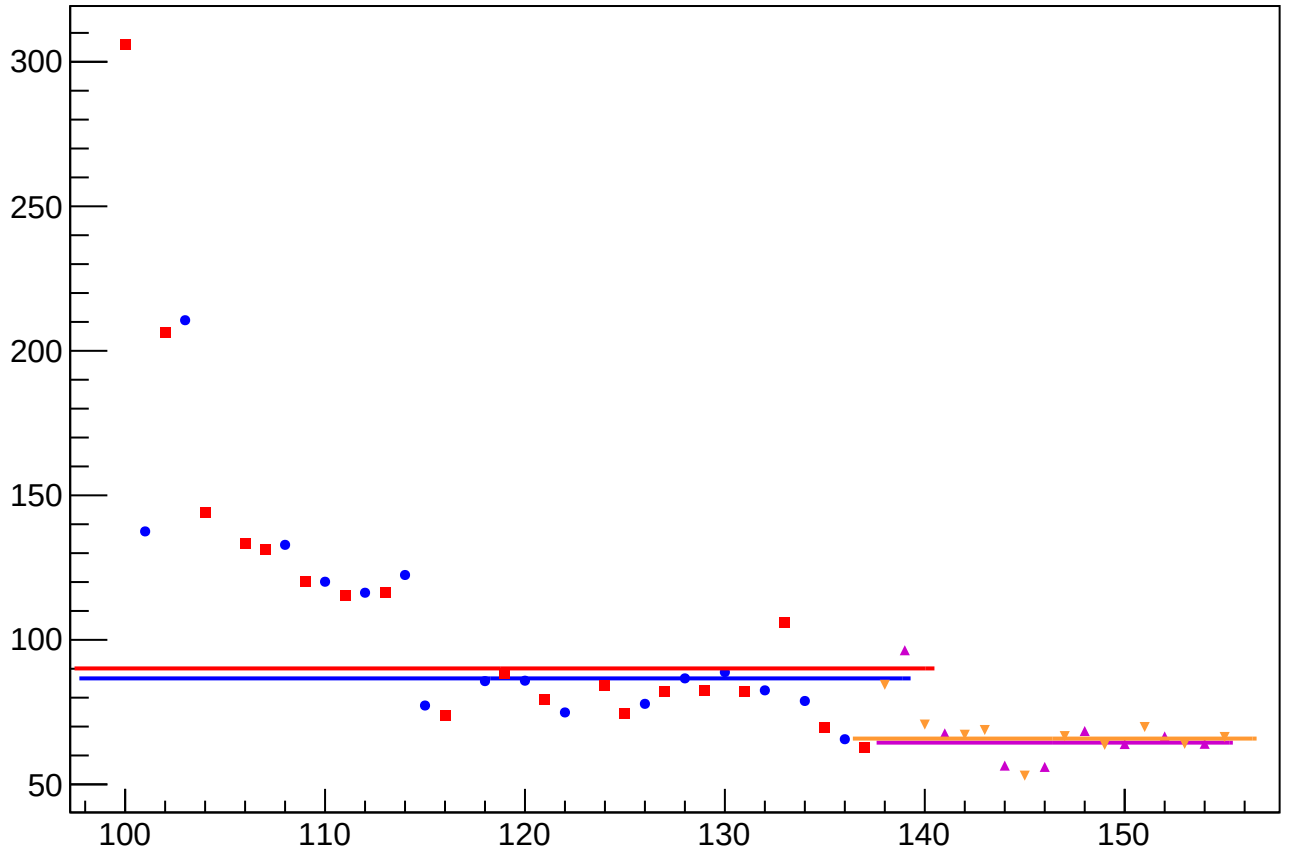
Left: 101.572+/-17.213 χ^2/NDF: 33.4/17

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 81.676+/-20.021 χ^2/NDF:21.1/23

Out: 81.682+/-19.708 χ^2/NDF:48.8/28

All: 81.679+/-14.045 χ^2/NDF: 69.8/52



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.847+/-0.017 χ^2/NDF:181767.9/9

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.443+/-0.018 χ^2/NDF:269264.6/7

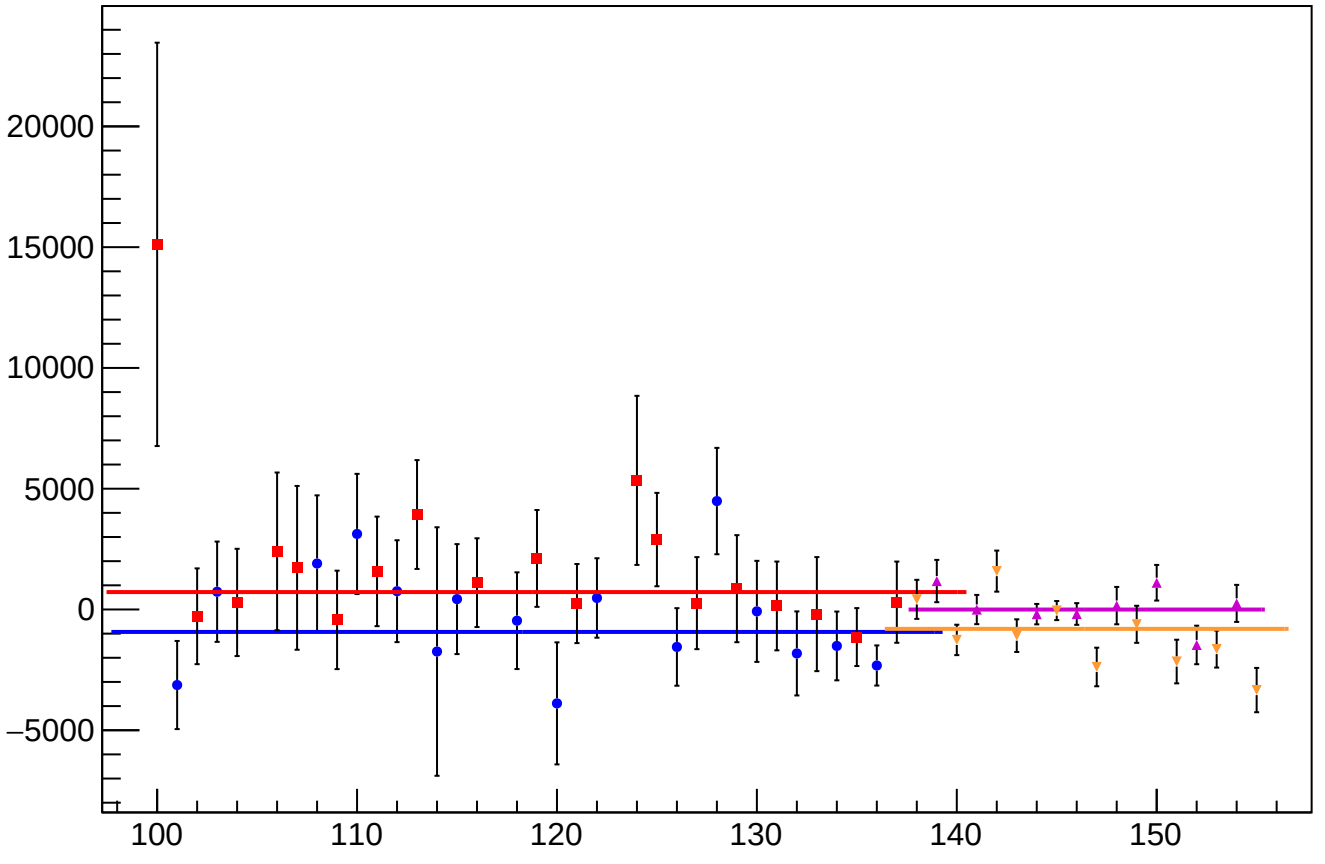
Left: 65.172+/-0.012 χ^2/NDF: 454350.7/17

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 72.203+/-0.014 χ^2/NDF:1868063.1/23

Out: 73.606+/-0.014 χ^2/NDF:1986733.3/28

All: 72.916+/-0.010 χ^2/NDF: 3859784.3/52



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -802.032+/-216.075 χ^2/NDF:29.6/9

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -2.959+/-216.347 χ^2/NDF:8.0/7

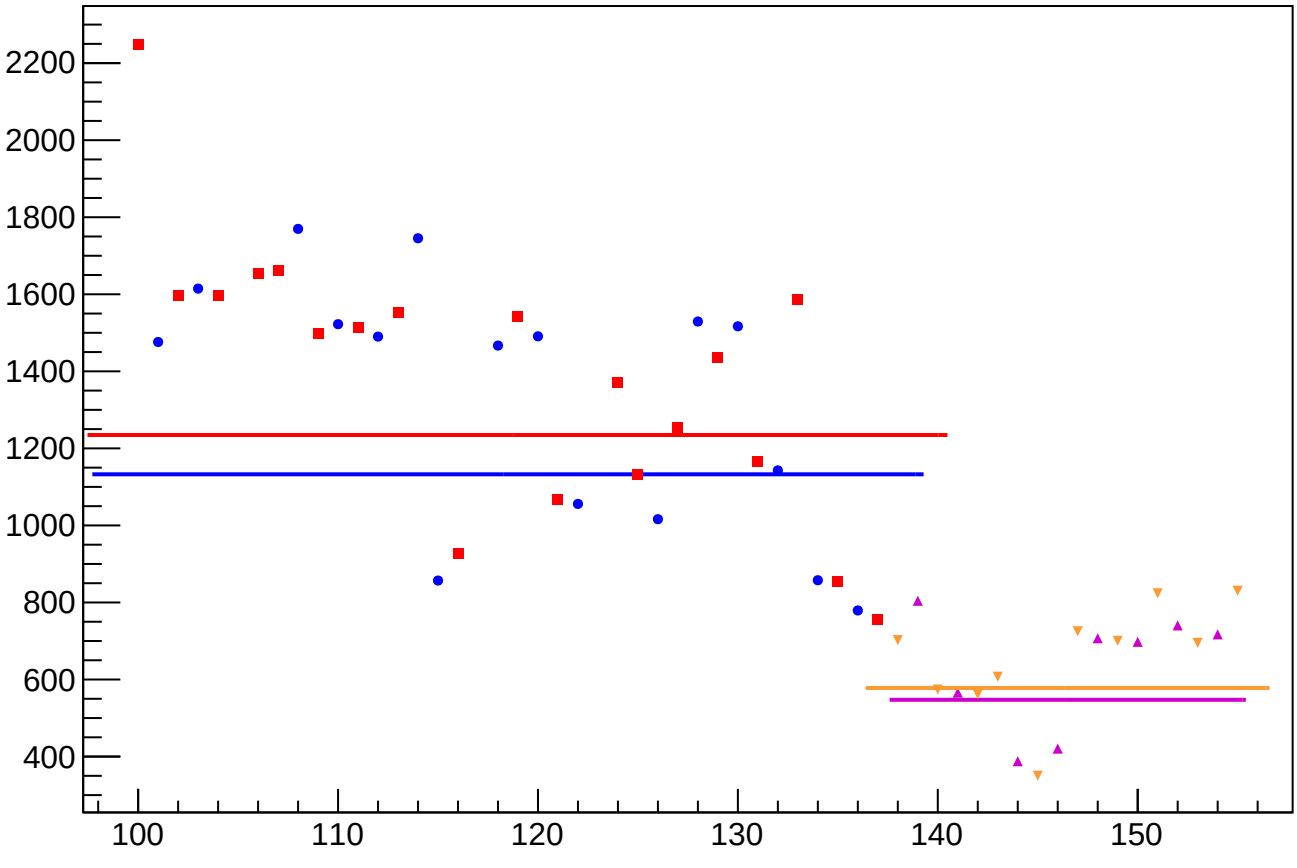
Left: -402.999+/-152.884 χ^2/NDF: 44.4/17

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -182.819+/-194.224 χ^2/NDF:30.1/23

Out: -534.999+/-196.215 χ^2/NDF:50.8/28

All: -357.113+/-138.036 χ^2/NDF: 82.5/52



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 578.057+/-0.153 χ^2/NDF:1181713.6/9

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 547.386+/-0.153 χ^2/NDF:1001934.5/7

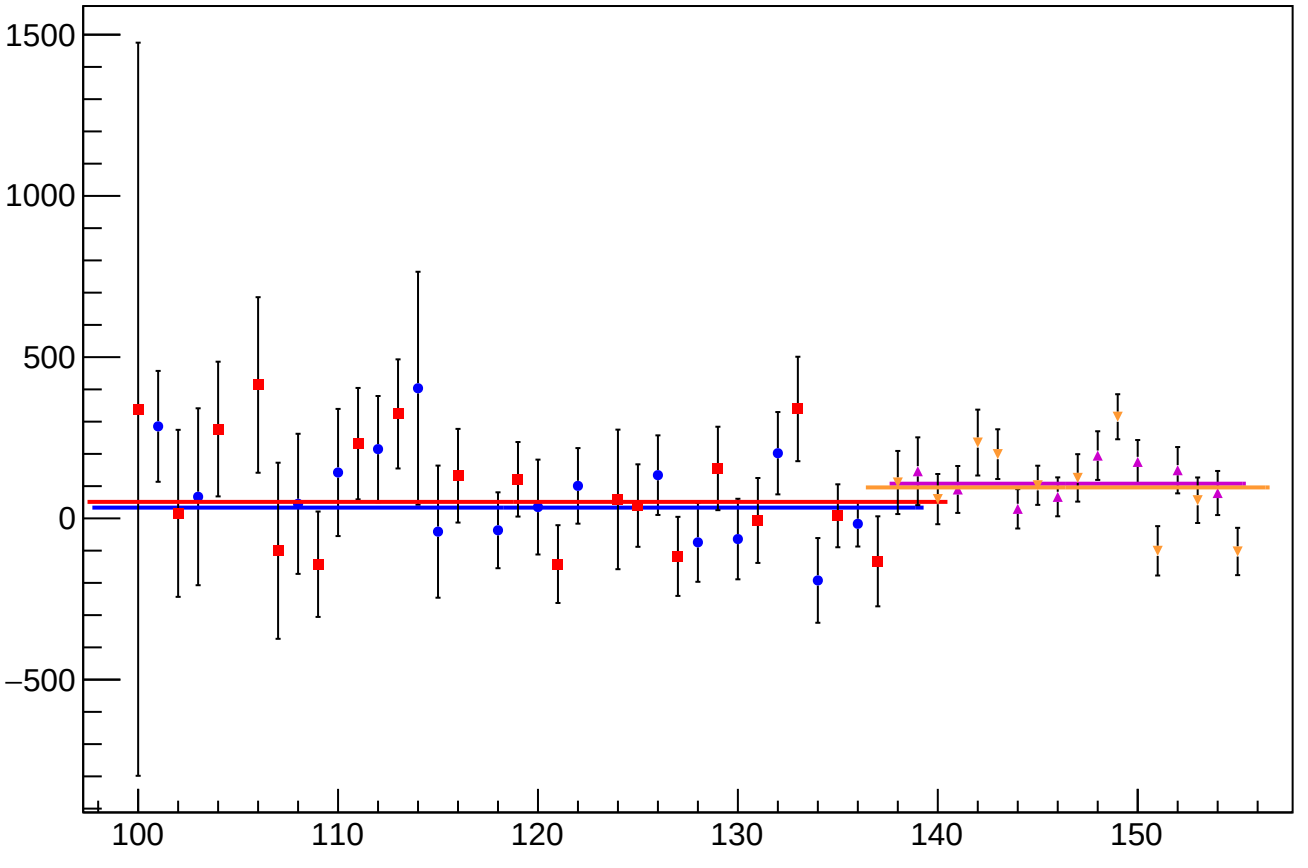
Left: 562.741+/-0.108 χ^2/NDF: 2203771.3/17

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 660.970+/-0.137 χ^2/NDF:4966827.2/23

Out: 693.218+/-0.139 χ^2/NDF:5297376.5/28

All: 676.929+/-0.098 χ^2/NDF: 10291490.3/52



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 96.014+/-23.895 χ^2/NDF:28.2/9

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 107.568+/-24.818 χ^2/NDF:5.1/7

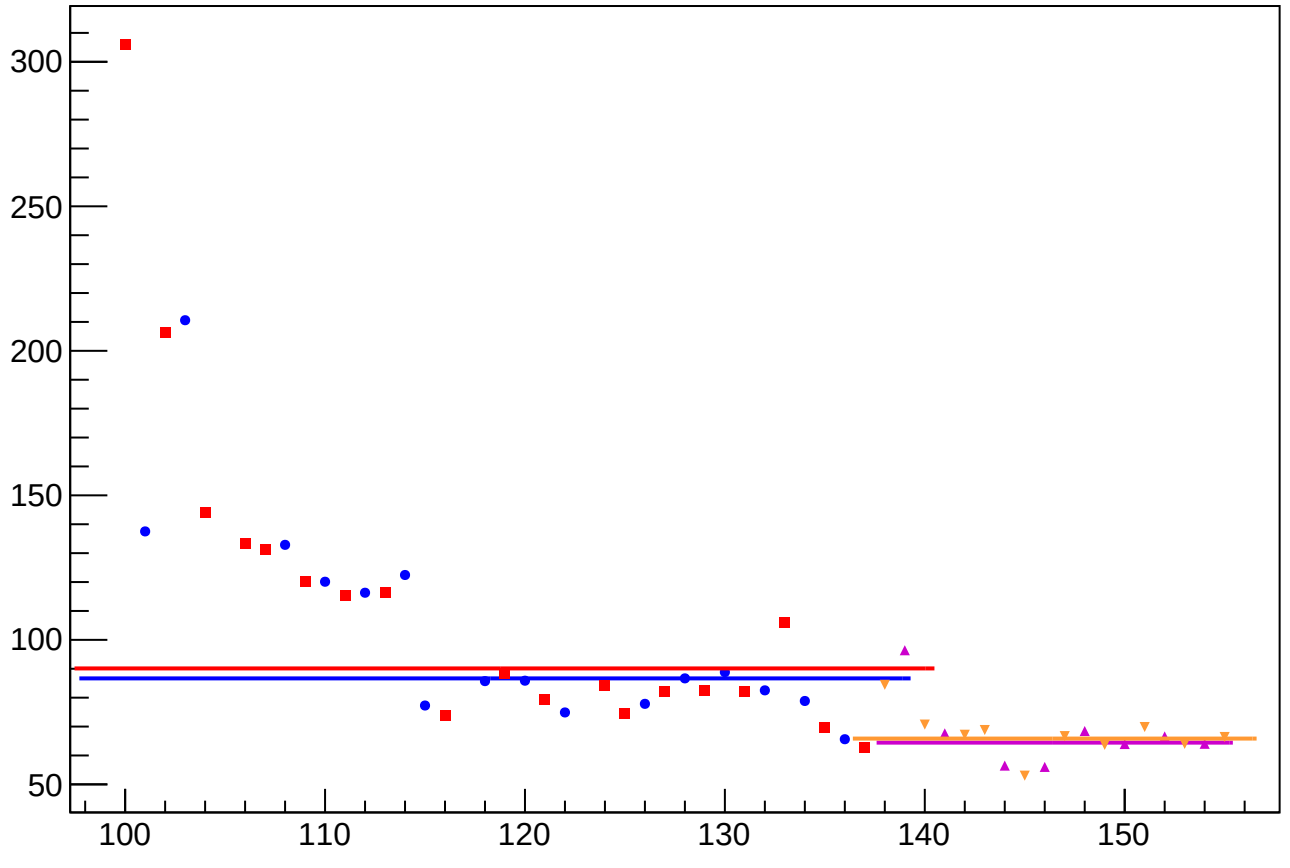
Left: 101.572+/-17.213 χ^2/NDF: 33.4/17

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 81.676+/-20.021 χ^2/NDF:21.1/23

Out: 81.682+/-19.708 χ^2/NDF:48.8/28

All: 81.679+/-14.045 χ^2/NDF: 69.8/52



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.847+/-0.017 χ^2/NDF:181767.9/9

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.443+/-0.018 χ^2/NDF:269264.6/7

Left: 65.172+/-0.012 χ^2/NDF: 454350.7/17

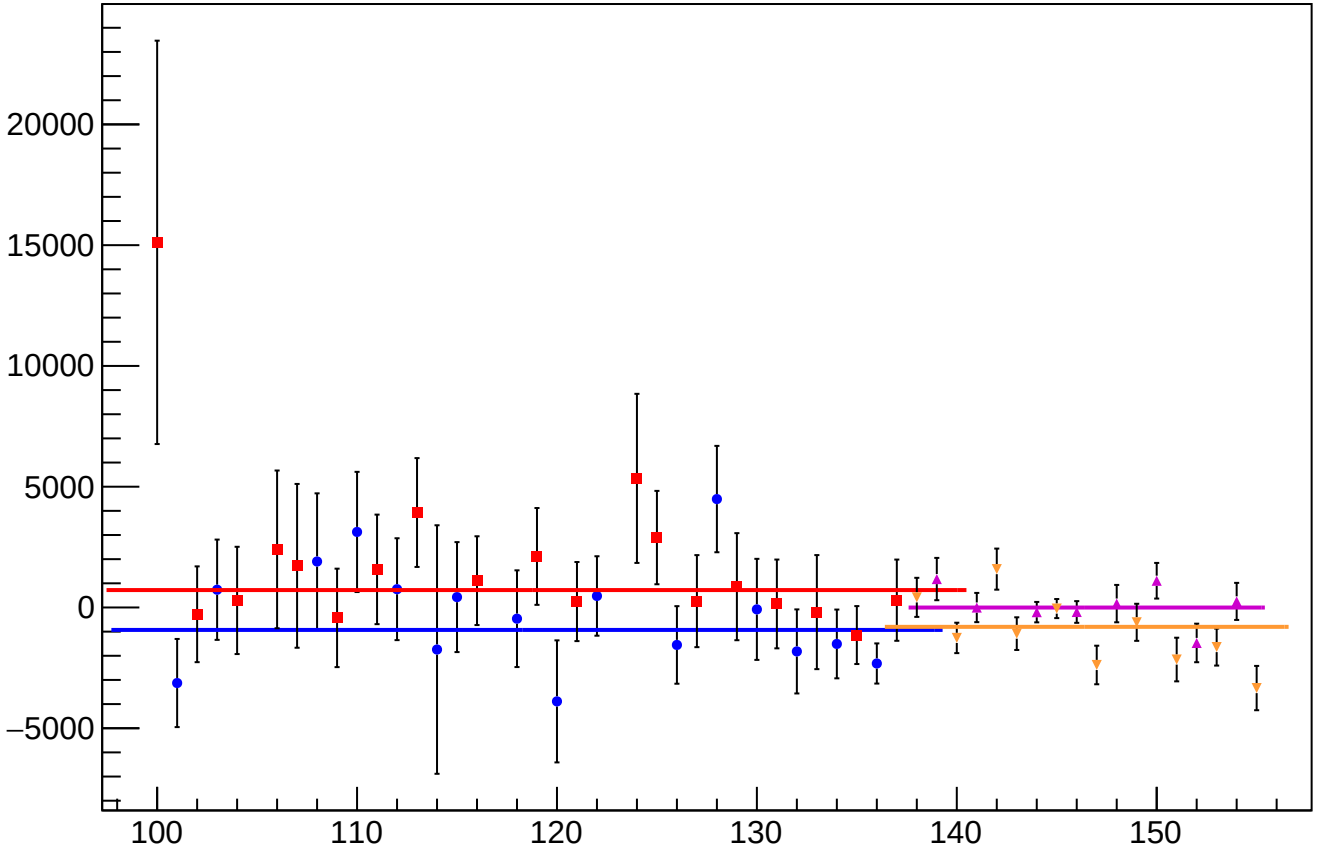
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 72.203+/-0.014 χ^2/NDF:1868063.1/23

Out: 73.606+/-0.014 χ^2/NDF:1986733.3/28

All: 72.916+/-0.010 χ^2/NDF: 3859784.3/52

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: -802.032+/-216.075 χ^2/NDF:29.6/9

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -2.959+/-216.347 χ^2/NDF:8.0/7

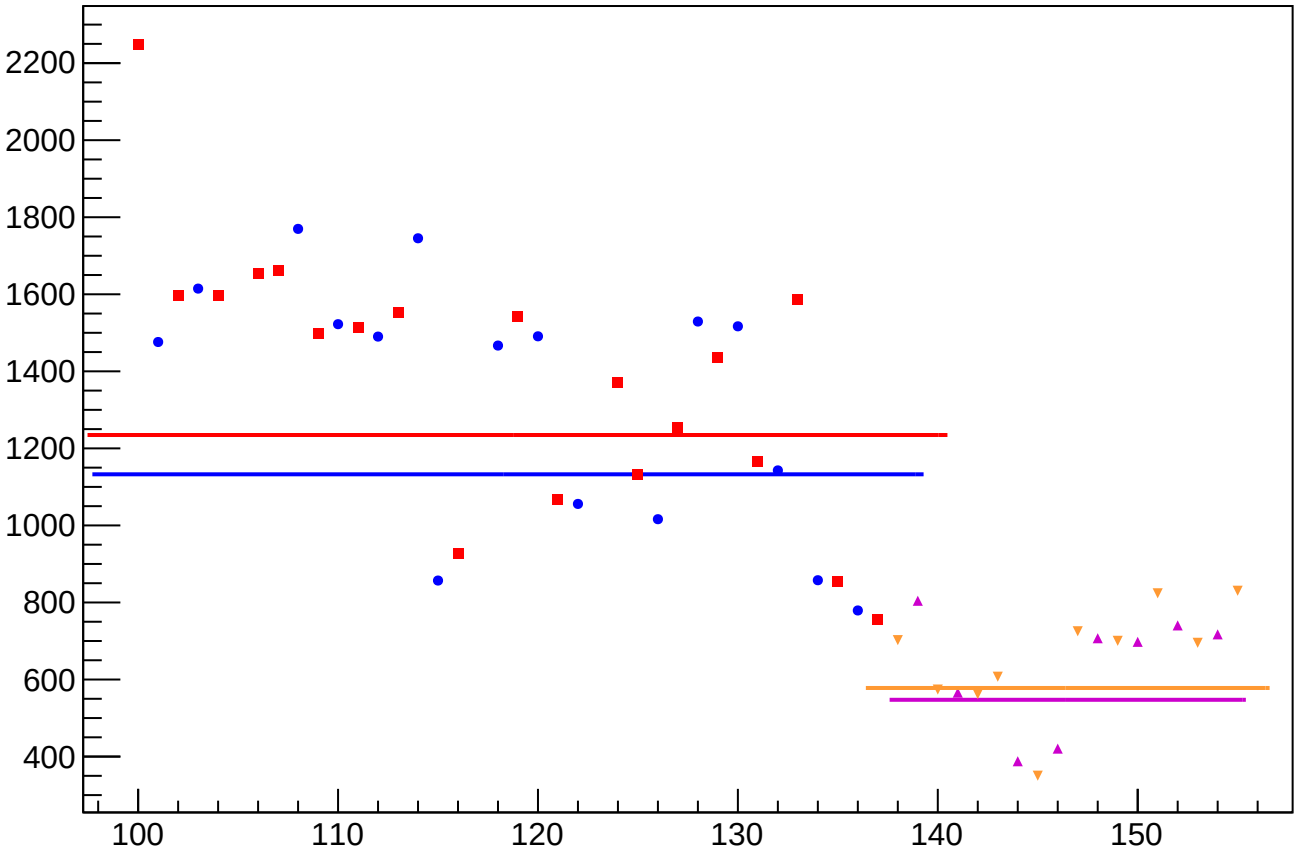
Left: -402.999+/-152.884 χ^2/NDF: 44.4/17

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -182.819+/-194.224 χ^2/NDF:30.1/23

Out: -534.999+/-196.215 χ^2/NDF:50.8/28

All: -357.113+/-138.036 χ^2/NDF: 82.5/52



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 578.057+/-0.153 χ^2/NDF:1181713.6/9

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 547.386+/-0.153 χ^2/NDF:1001934.5/7

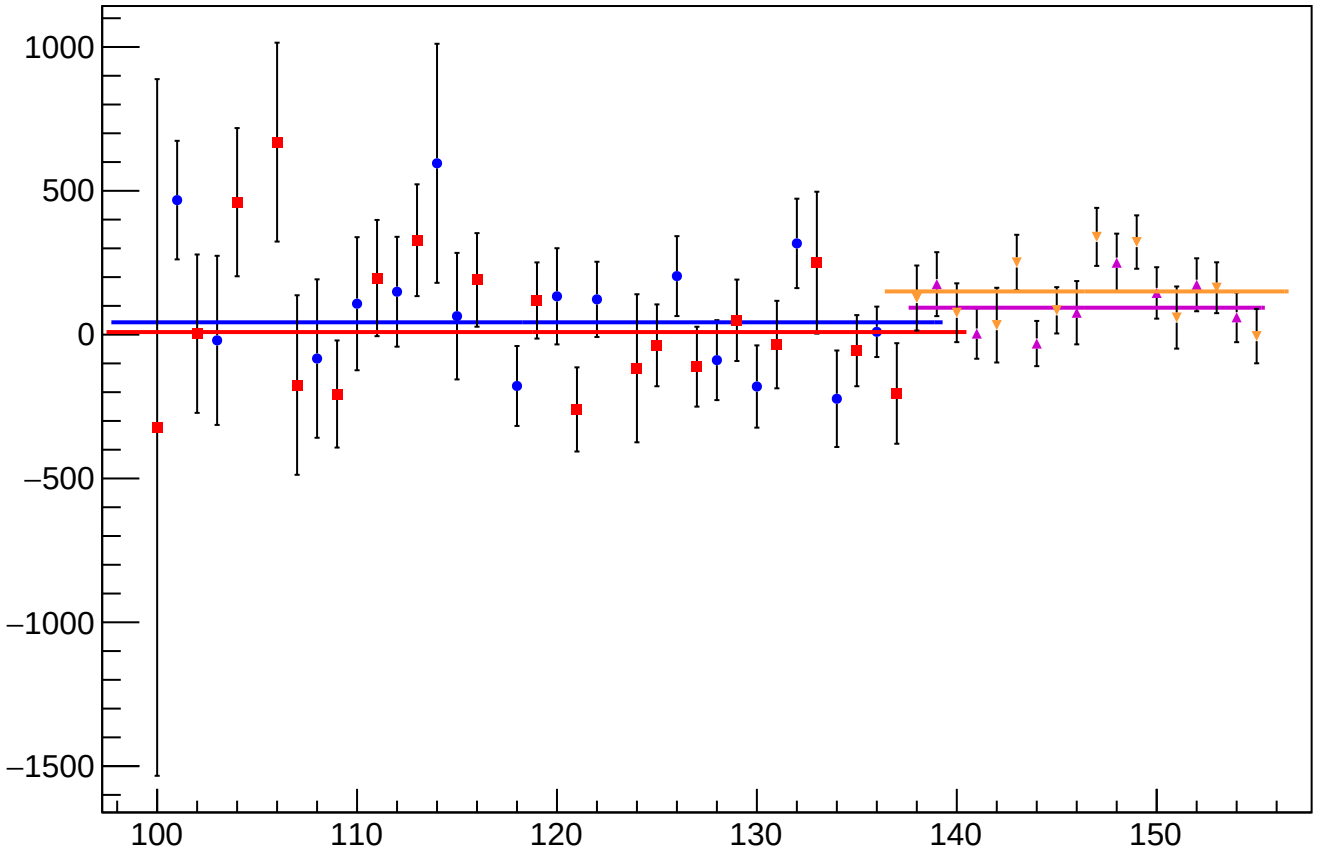
Left: 562.741+/-0.108 χ^2/NDF: 2203771.3/17

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 660.970+/-0.137 χ^2/NDF:4966827.2/23

Out: 693.218+/-0.139 χ^2/NDF:5297376.5/28

All: 676.929+/-0.098 χ^2/NDF: 10291490.3/52



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 150.217+/-31.073 χ^2/NDF:13.5/9

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 93.643+/-32.775 χ^2/NDF:7.8/7

Left: 123.437+/-22.549 χ^2/NDF: 22.9/17

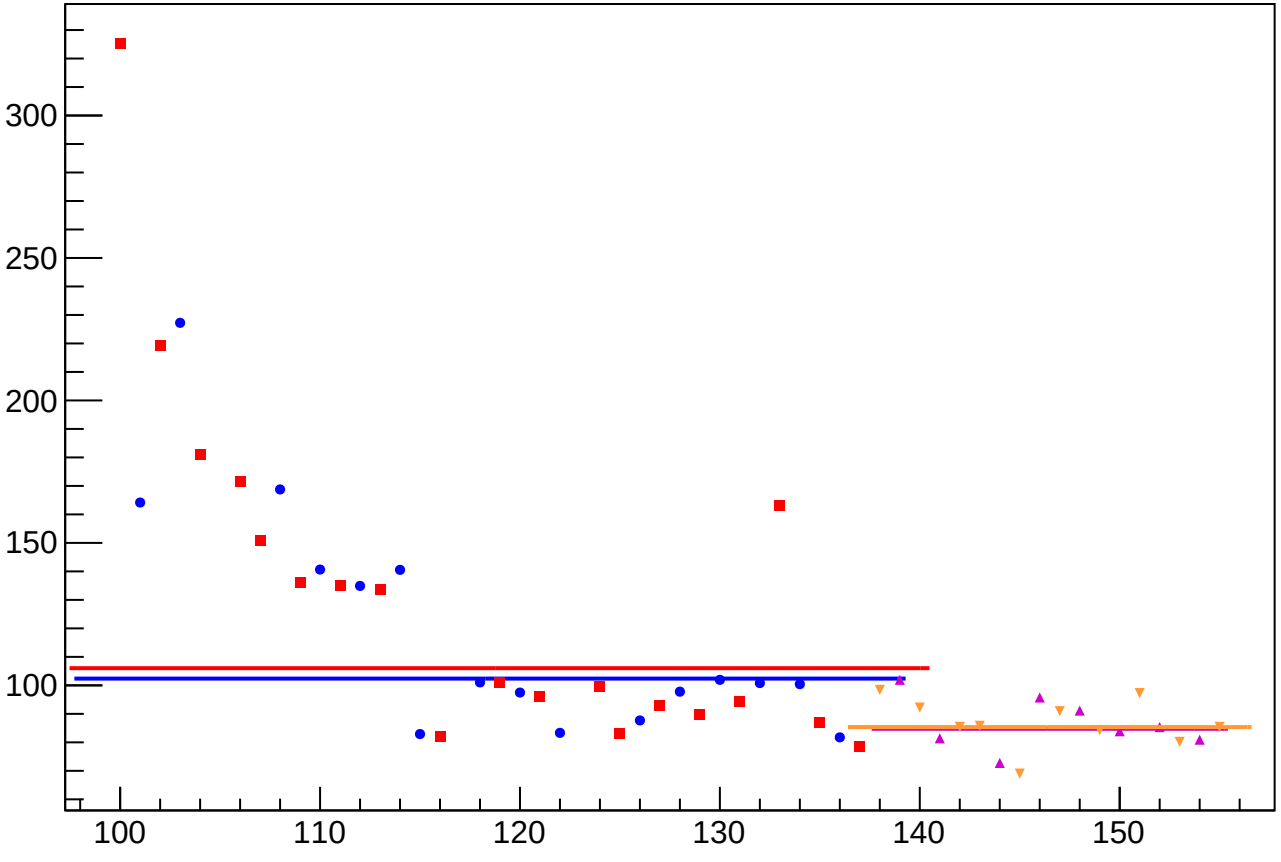
Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 73.234+/-25.338 χ^2/NDF:29.0/23

Out: 98.788+/-24.777 χ^2/NDF:42.4/28

All: 86.297+/-17.715 χ^2/NDF: 71.9/52

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 85.359+/-0.022 χ^2/NDF:155800.9/9

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 84.762+/-0.023 χ^2/NDF:129339.7/7

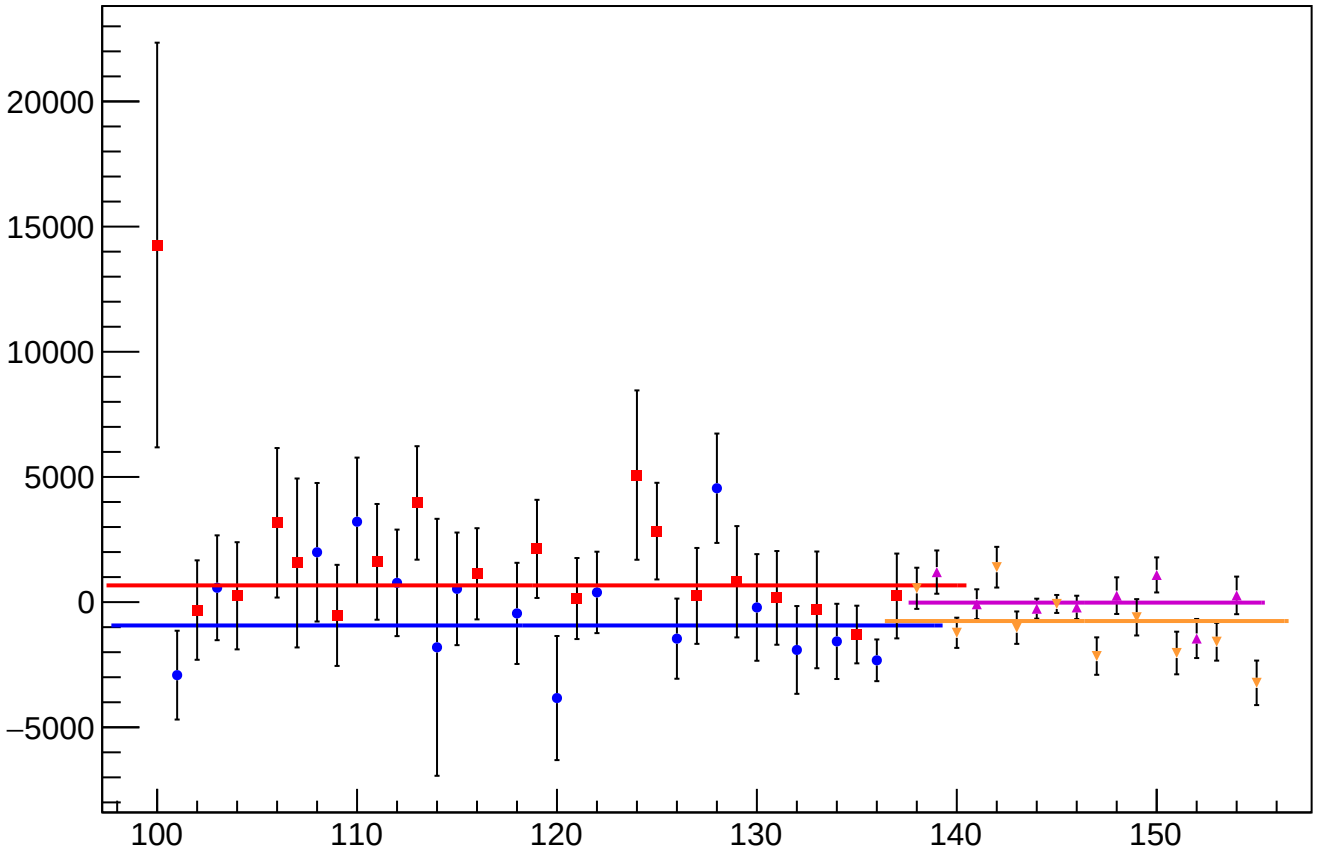
Left: 85.076+/-0.016 χ^2/NDF: 285490.7/17

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 91.849+/-0.018 χ^2/NDF:1344123.1/23

Out: 92.887+/-0.018 χ^2/NDF:1669476.7/28

All: 92.380+/-0.013 χ^2/NDF: 3015316.6/52



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -755.458+/-204.280 χ^2/NDF:28.6/9

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: -19.999+/-211.514 χ^2/NDF:8.7/7

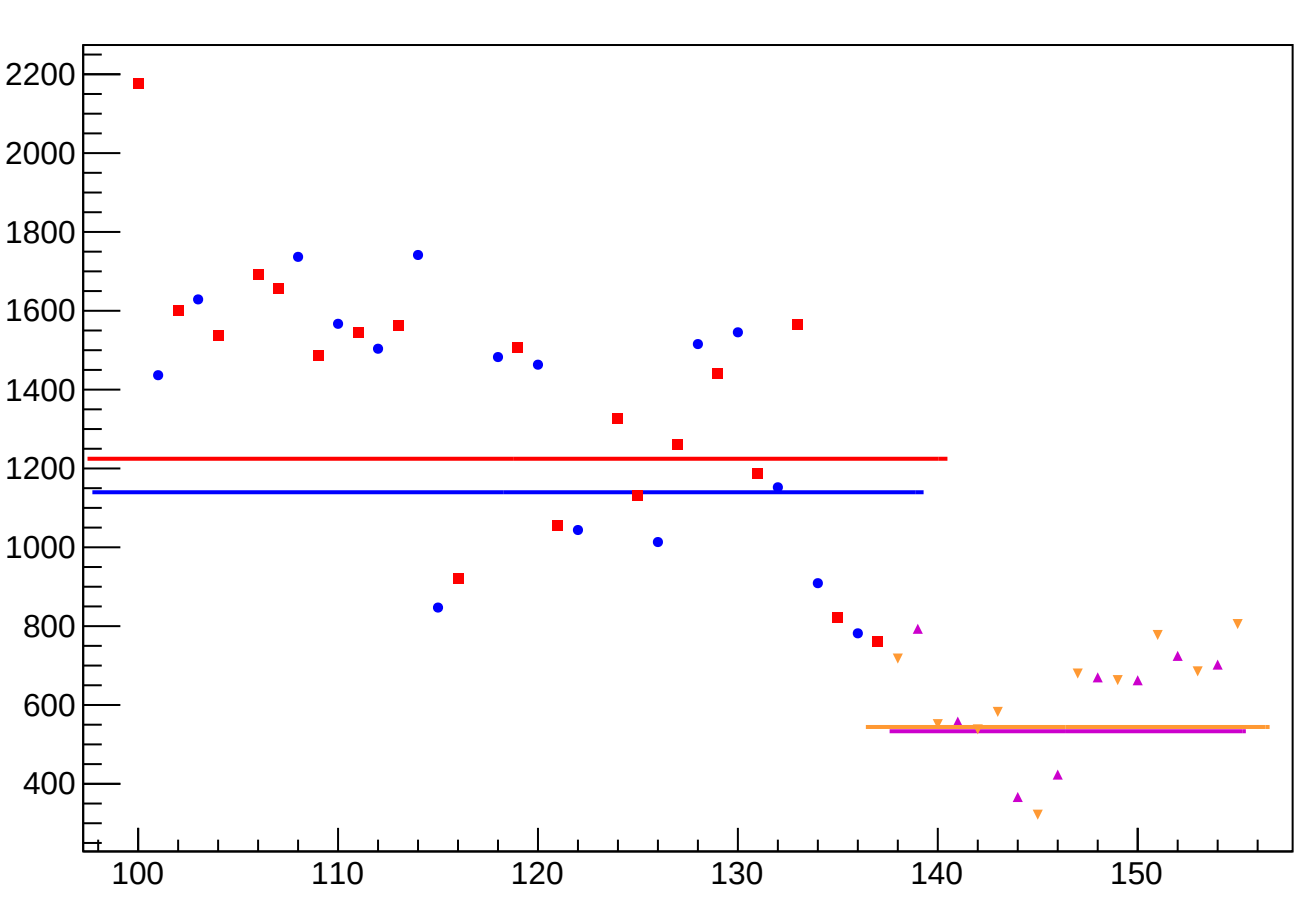
Left: -400.520+/-146.938 χ^2/NDF: 43.6/17

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -189.550+/-190.851 χ^2/NDF:30.6/23

Out: -523.606+/-186.911 χ^2/NDF:50.0/28

All: -360.062+/-133.537 χ^2/NDF: 82.2/52



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 544.199+/-0.144 χ^2/NDF:1375886.6/9

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 533.363+/-0.150 χ^2/NDF:1003450.5/7

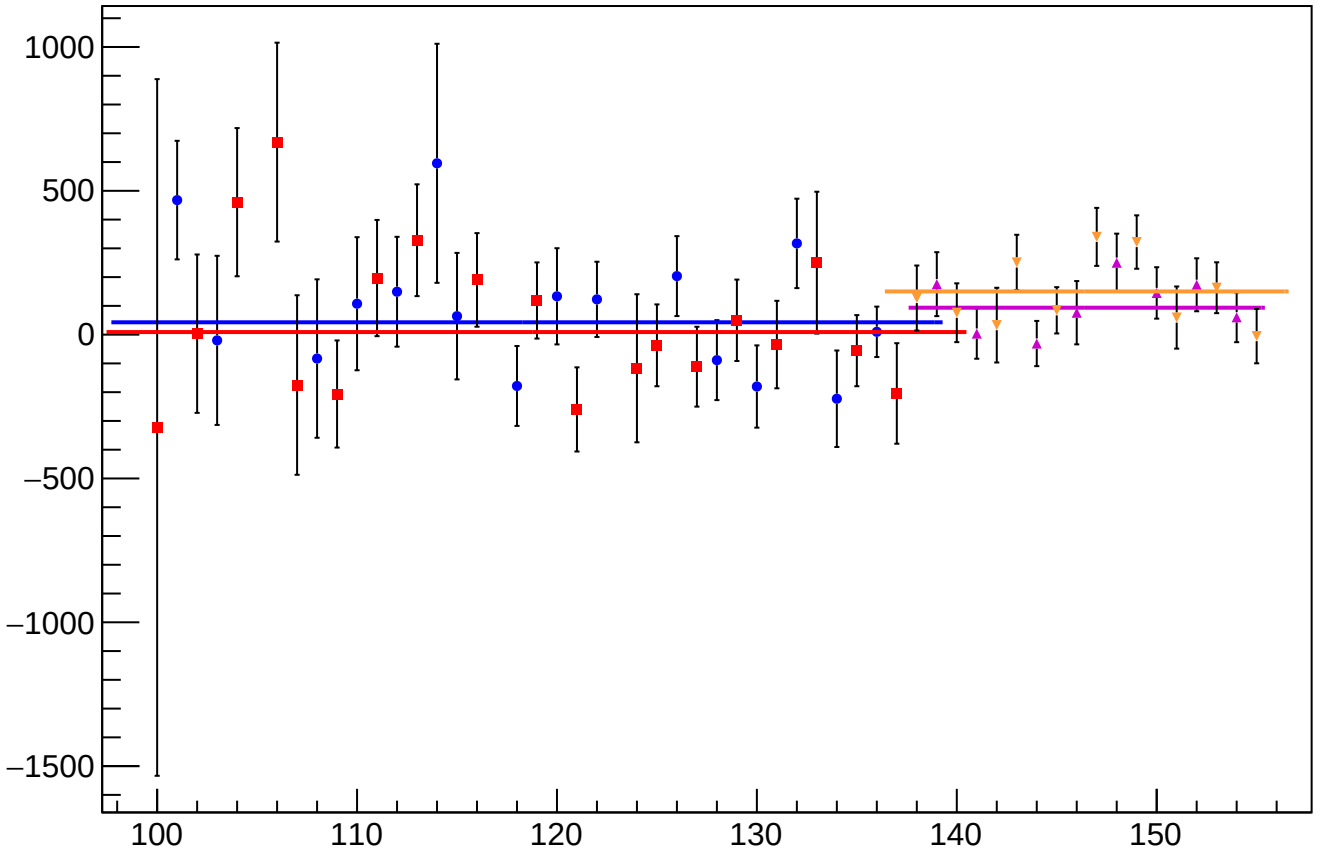
Left: 538.970+/-0.104 χ^2/NDF: 2382053.1/17

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 646.033+/-0.135 χ^2/NDF:5150680.7/23

Out: 654.988+/-0.132 χ^2/NDF:5911245.7/28

All: 650.604+/-0.094 χ^2/NDF: 11064174.1/52



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 150.217+/-31.073 χ^2/NDF:13.5/9

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 93.643+/-32.775 χ^2/NDF:7.8/7

Left: 123.437+/-22.550 χ^2/NDF: 22.9/17

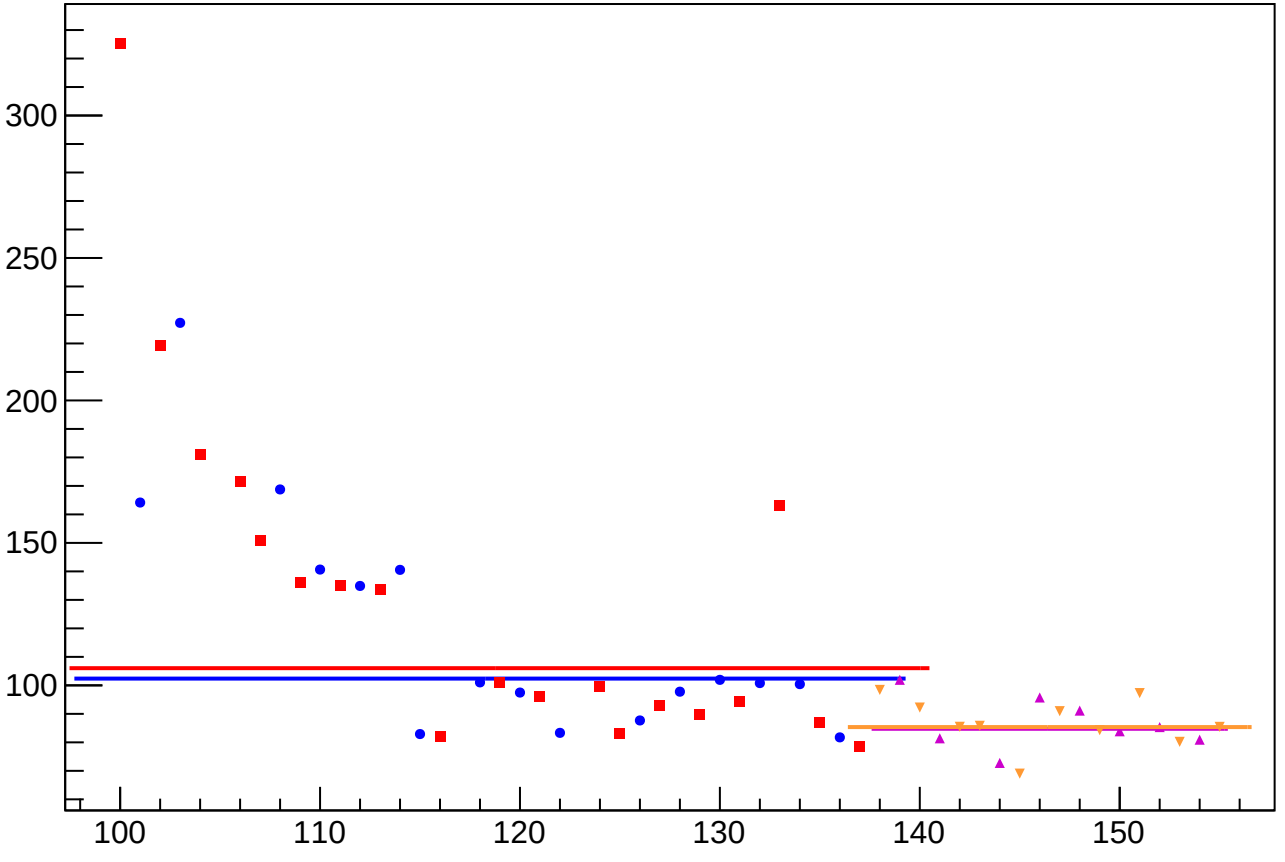
Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 73.234+/-25.338 χ^2/NDF:29.0/23

Out: 98.787+/-24.778 χ^2/NDF:42.4/28

All: 86.296+/-17.715 χ^2/NDF: 71.9/52

eigen_dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 85.360+/-0.022 χ^2/NDF:155793.3/9

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 84.762+/-0.023 χ^2/NDF:129337.6/7

Left: 85.077+/-0.016 χ^2/NDF: 285481.0/17

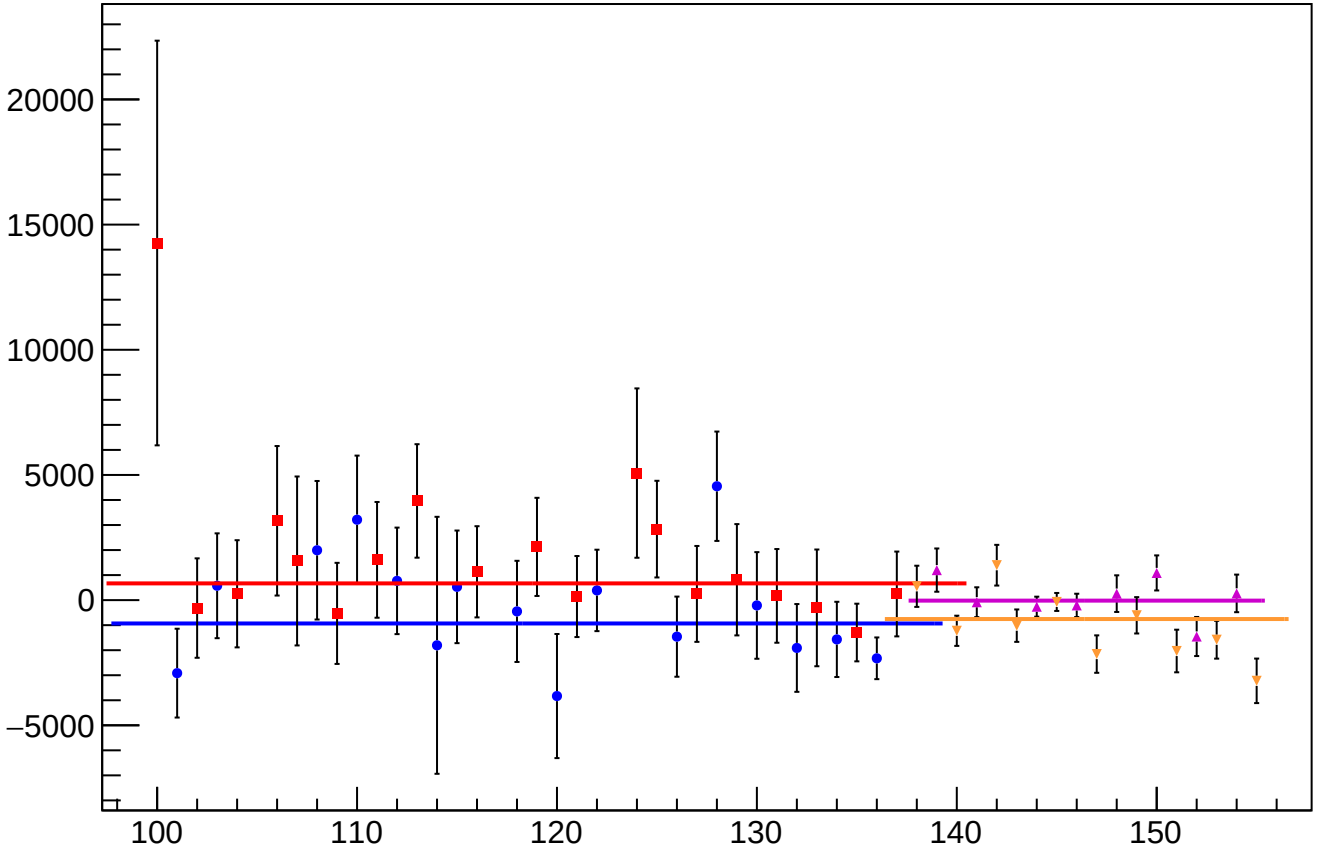
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 91.849+/-0.018 χ^2/NDF:1344099.1/23

Out: 92.888+/-0.018 χ^2/NDF:1669454.9/28

All: 92.380+/-0.013 χ^2/NDF: 3015271.0/52

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: -755.458+/-204.279 χ^2/NDF:28.6/9

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -19.999+/-211.513 χ^2/NDF:8.7/7

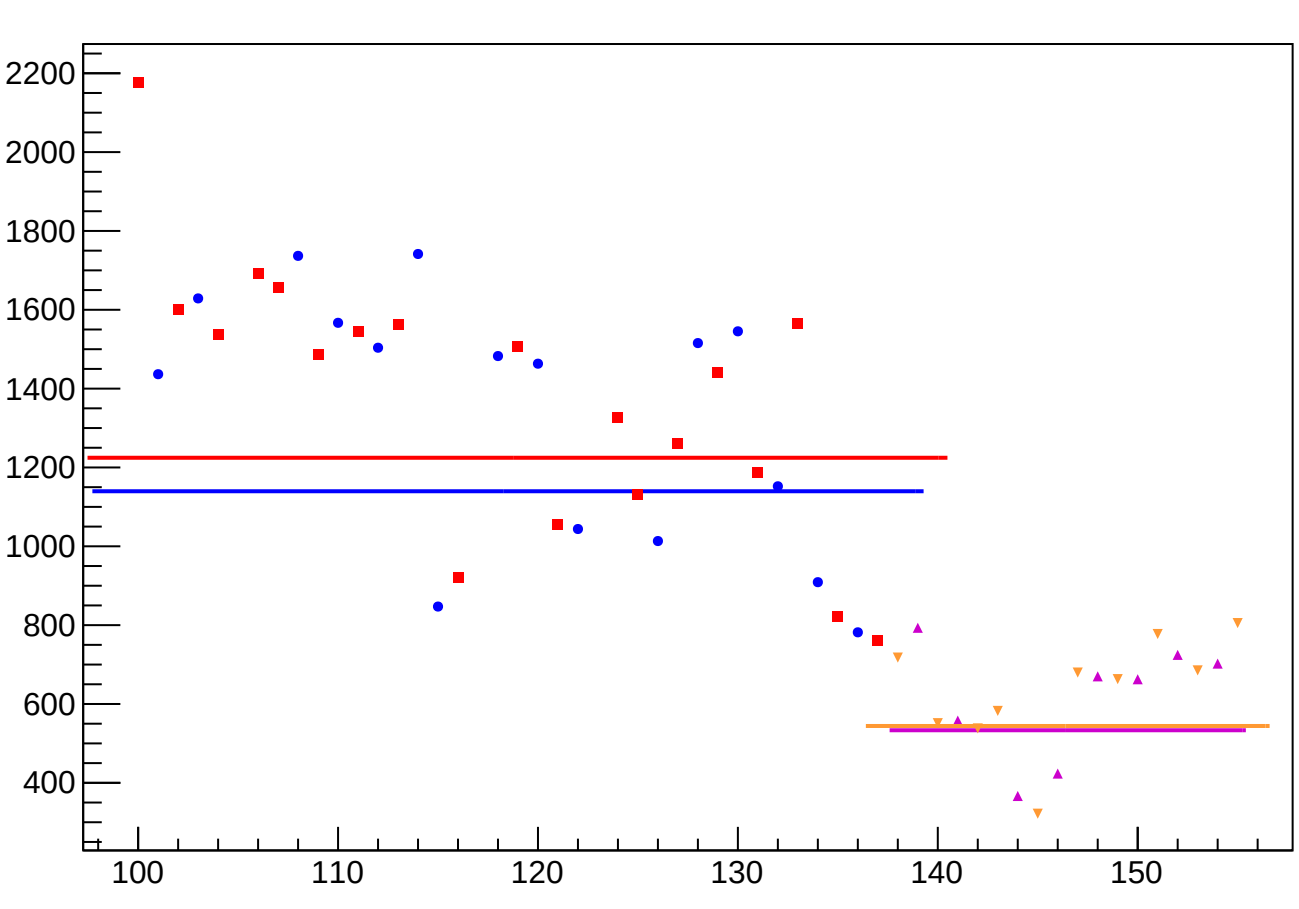
Left: -400.520+/-146.938 χ^2/NDF: 43.6/17

Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -189.549+/-190.851 χ^2/NDF:30.6/23

Out: -523.605+/-186.910 χ^2/NDF:50.0/28

All: -360.062+/-133.537 χ^2/NDF: 82.2/52



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 544.198+/-0.144 χ^2/NDF:1375903.5/9

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 533.362+/-0.150 χ^2/NDF:1003455.1/7

Left: 538.969+/-0.104 χ^2/NDF: 2382074.2/17

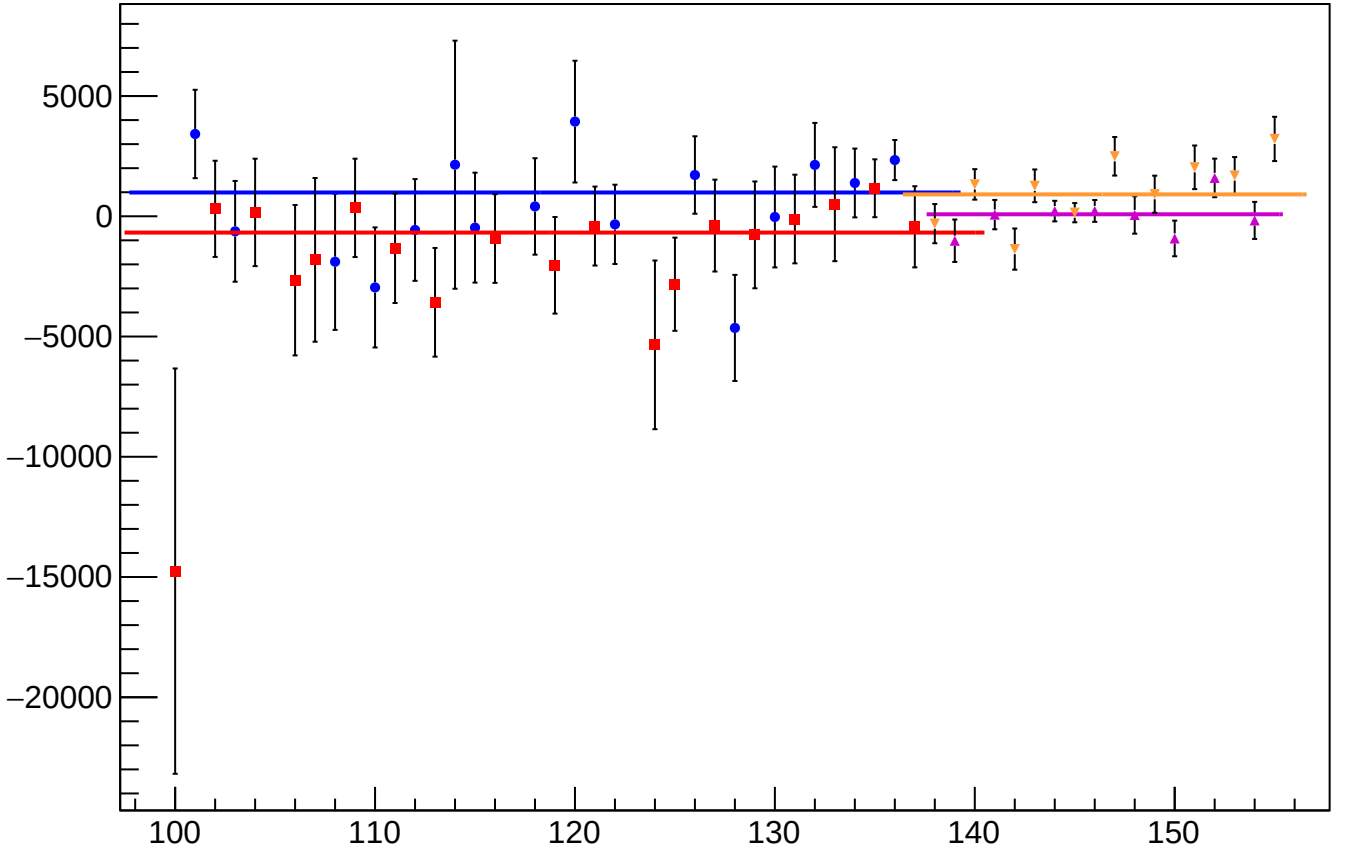
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 646.032+/-0.135 χ^2/NDF:5150676.9/23

Out: 654.987+/-0.132 χ^2/NDF:5911261.8/28

All: 650.603+/-0.094 χ^2/NDF: 11064186.1/52

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 910.309+/-217.764 χ^2/NDF:26.4/9

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 83.034+/-218.151 χ^2/NDF:7.3/7

Left: 497.406+/-154.119 χ^2/NDF: 40.8/17

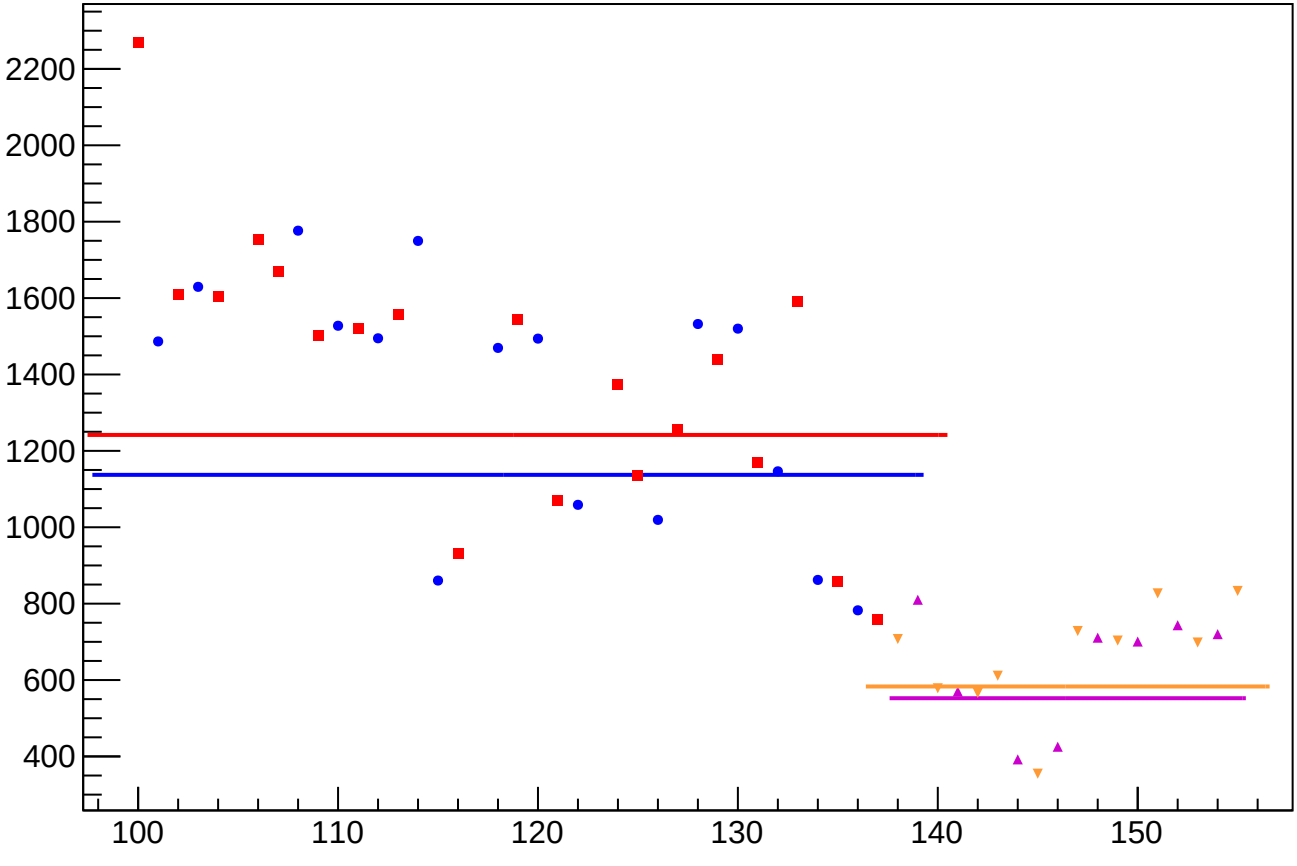
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 260.149+/-195.677 χ^2/NDF:29.7/23

Out: 629.326+/-197.560 χ^2/NDF:47.7/28

All: 442.969+/-139.025 χ^2/NDF: 79.1/52

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 583.118+/-0.154 χ^2/NDF:1153918.9/9

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 552.408+/-0.154 χ^2/NDF:981403.7/7

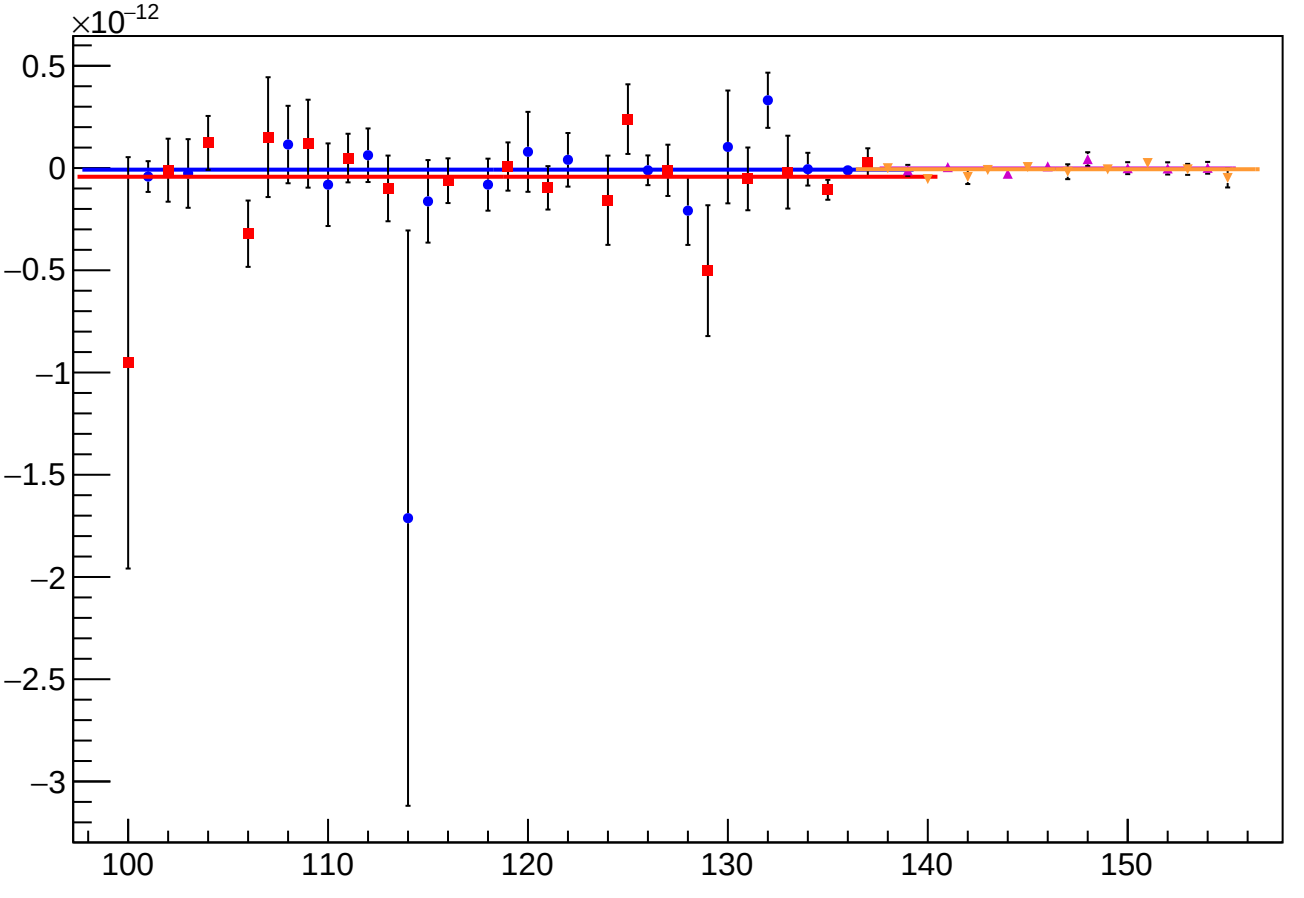
Left: 567.790+/-0.109 χ^2/NDF: 2155174.6/17

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 666.697+/-0.138 χ^2/NDF:4913991.0/23

Out: 699.654+/-0.140 χ^2/NDF:5290296.7/28

All: 683.018+/-0.098 χ^2/NDF: 10232383.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.5/9

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/7

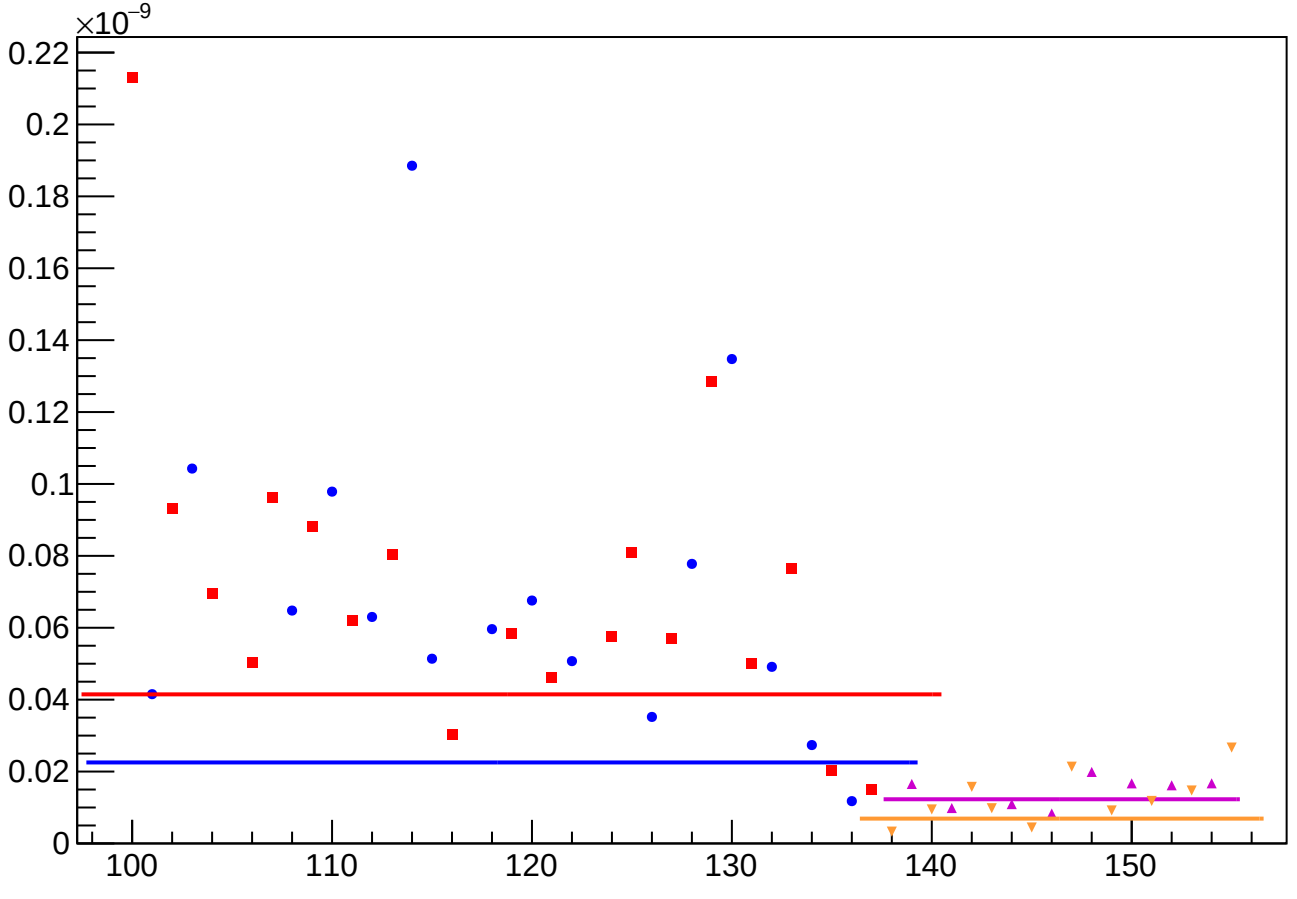
Left: -0.000+/-0.000 χ^2/NDF: 17.6/17

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:16.7/23

Out: -0.000+/-0.000 χ^2/NDF:29.8/28

All: -0.000+/-0.000 χ^2/NDF: 46.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1583204.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:452228.2/7

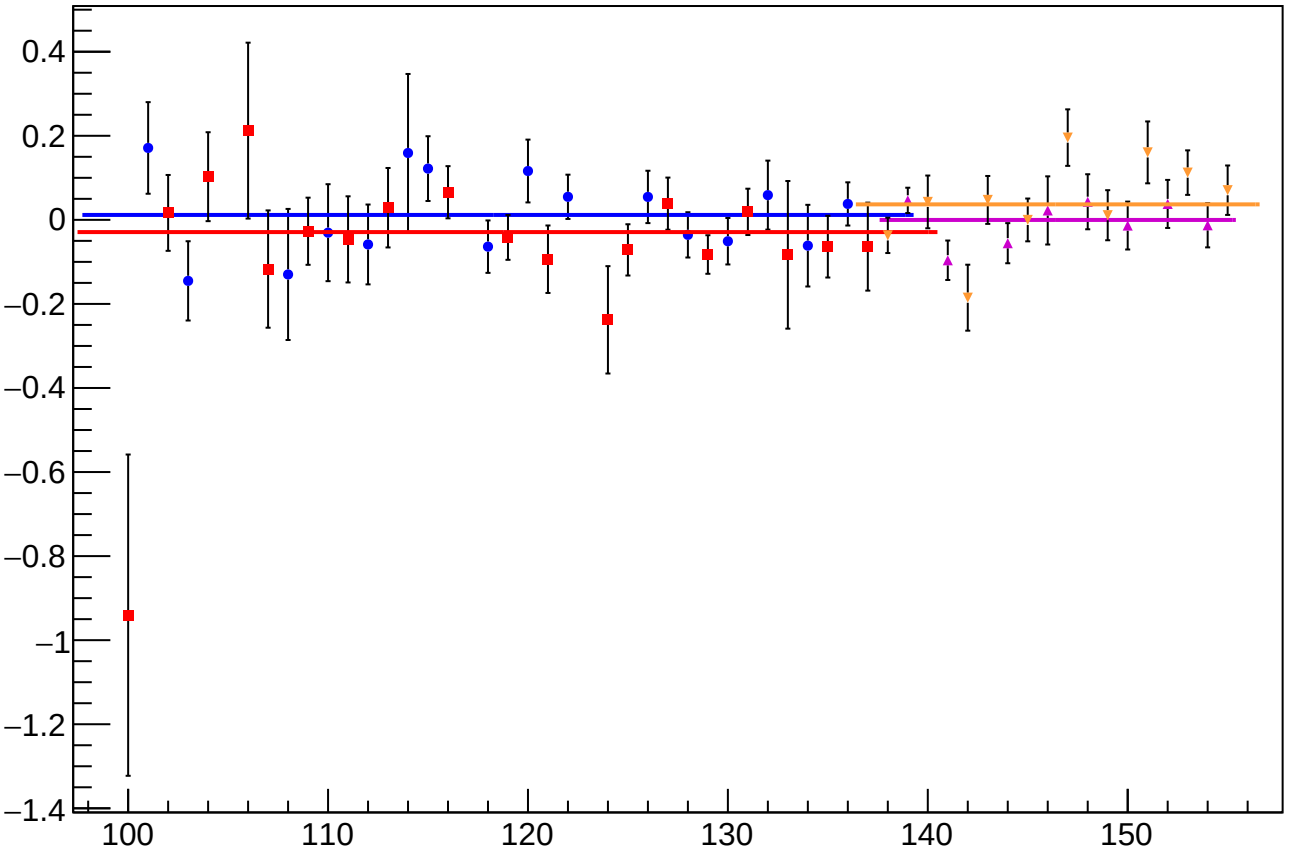
Left: 0.000+/-0.000 χ^2/NDF: 2674059.0/17

Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:3881951.1/23

Out: 0.000+/-0.000 χ^2/NDF:6569861.5/28

All: 0.000+/-0.000 χ^2/NDF: 11318457.7/52



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.037+/-0.018 χ^2/NDF:22.6/9

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.000+/-0.017 χ^2/NDF:9.0/7

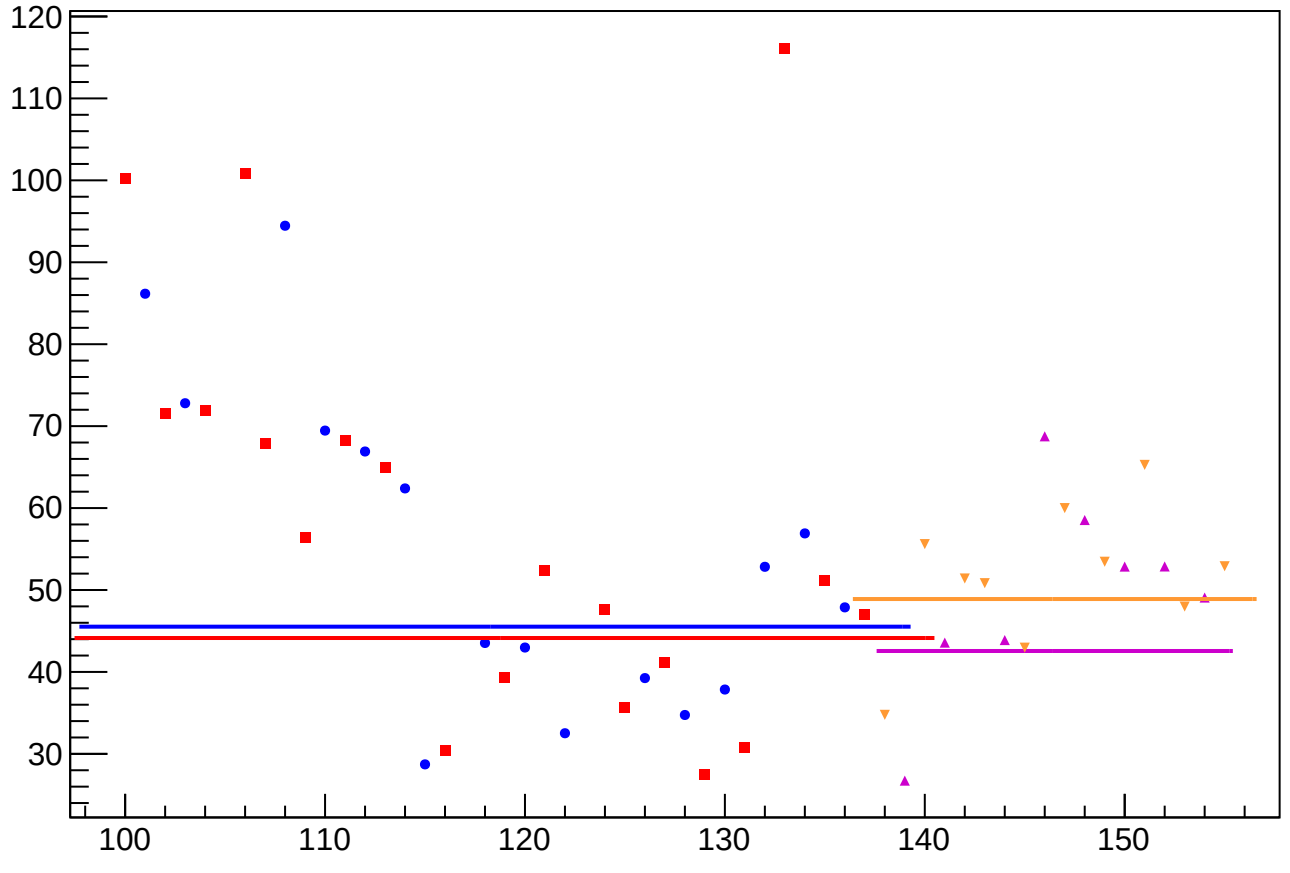
Left: 0.017+/-0.013 χ^2/NDF: 33.8/17

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.013 χ^2/NDF:26.1/23

Out: 0.003+/-0.013 χ^2/NDF:48.8/28

All: 0.004+/-0.009 χ^2/NDF: 74.9/52



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.898+/-0.013 χ^2/NDF:455504.4/9

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 42.556+/-0.012 χ^2/NDF:1043950.0/7

Left: 45.554+/-0.009 χ^2/NDF: 1627084.6/17

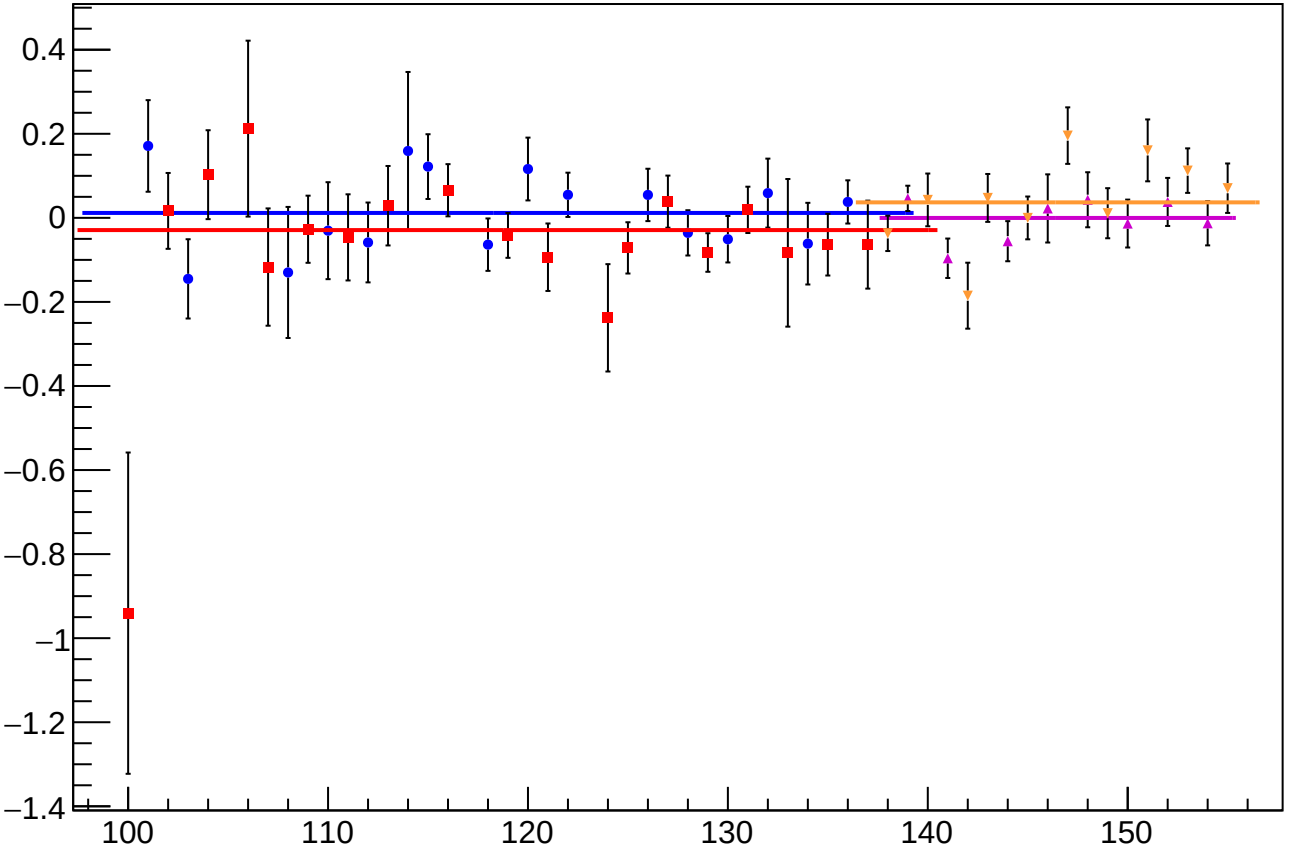
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 43.952+/-0.009 χ^2/NDF:2325736.4/23

Out: 46.474+/-0.009 χ^2/NDF:2268345.1/28

All: 45.193+/-0.006 χ^2/NDF: 4633722.5/52

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: 0.037+/-0.018 χ^2/NDF:22.6/9

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.000+/-0.017 χ^2/NDF:9.0/7

Left: 0.017+/-0.013 χ^2/NDF: 33.8/17

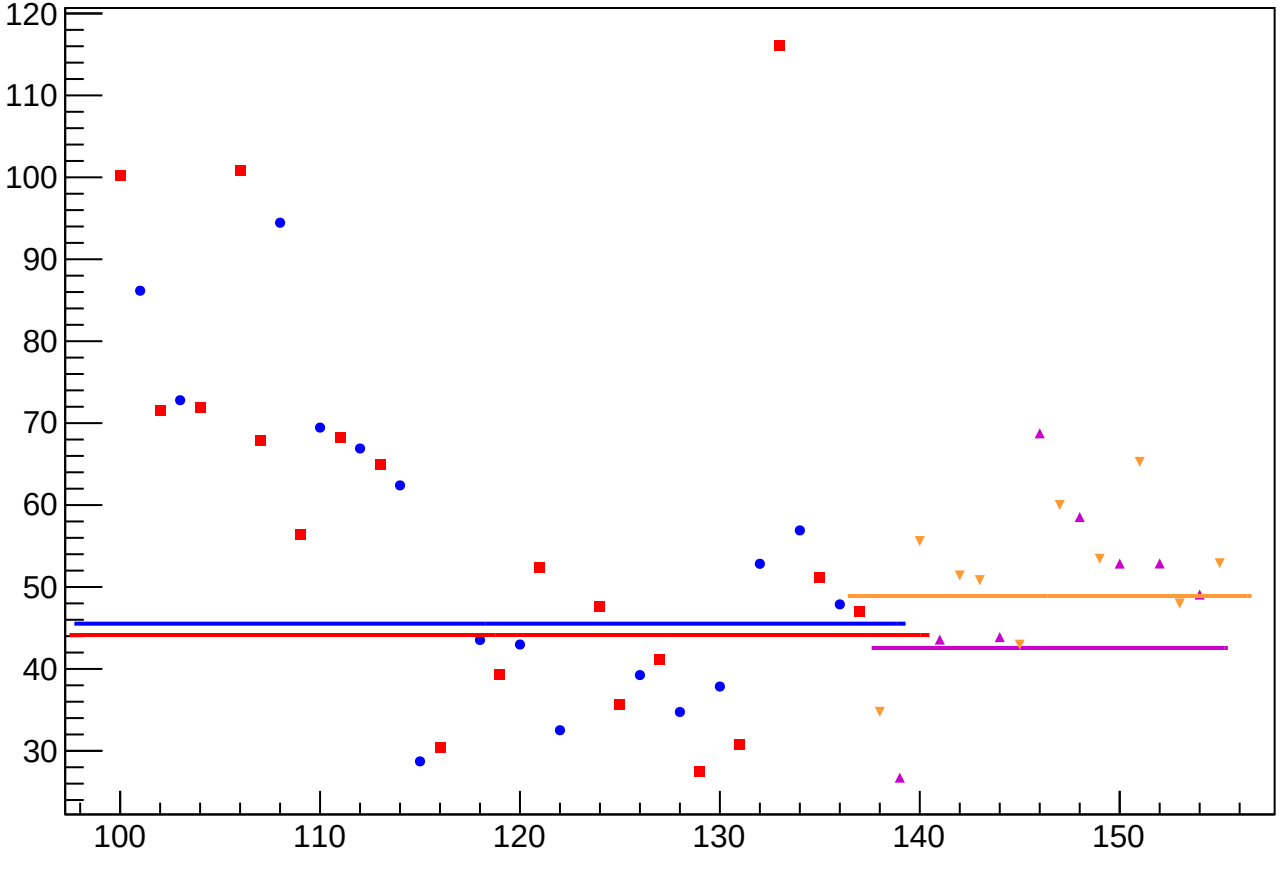
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.013 χ^2/NDF:26.1/23

Out: 0.003+/-0.013 χ^2/NDF:48.8/28

All: 0.004+/-0.009 χ^2/NDF: 74.9/52

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.898+/-0.013 χ^2/NDF:455504.4/9

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 42.556+/-0.012 χ^2/NDF:1043950.0/7

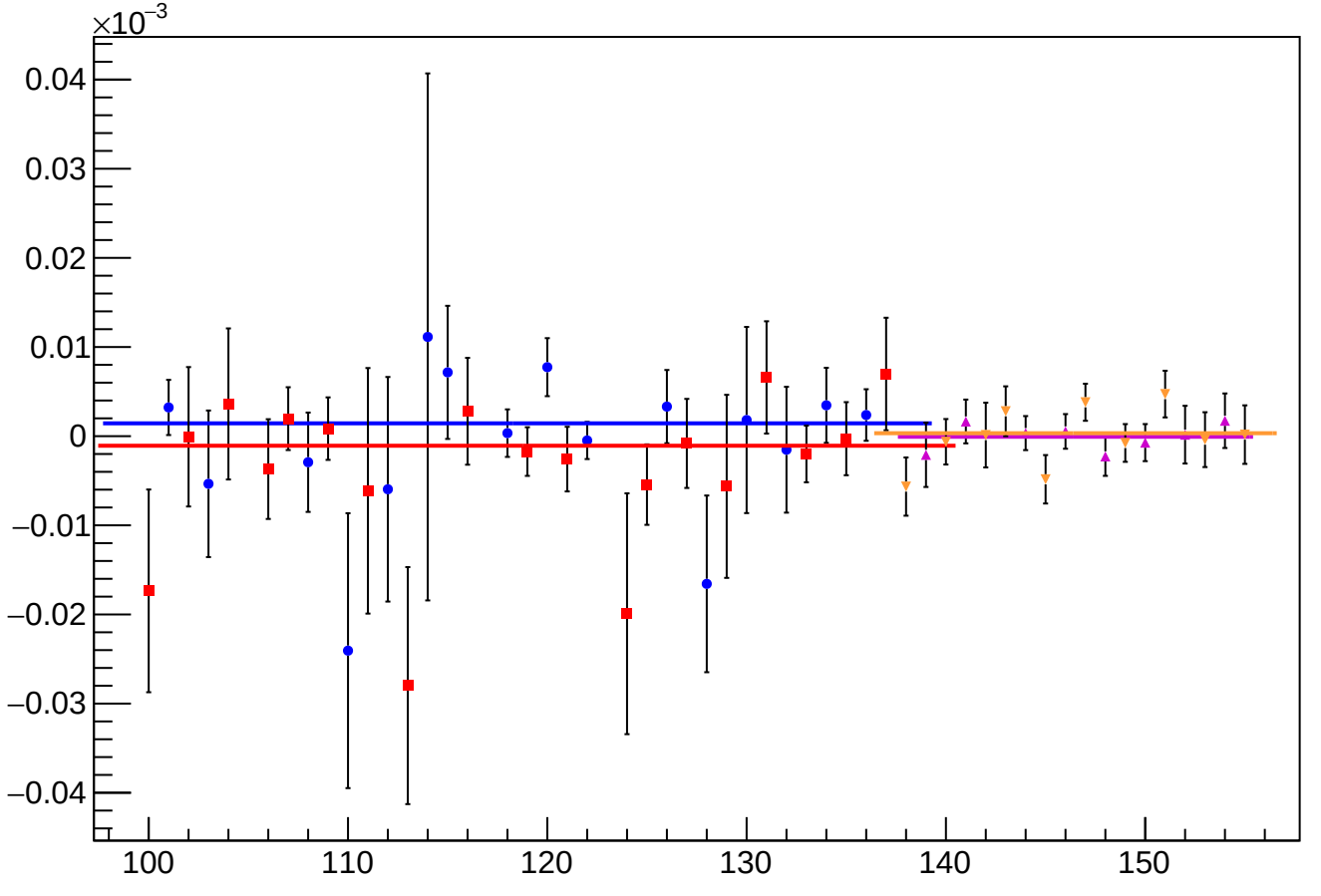
Left: 45.554+/-0.009 χ^2/NDF: 1627084.6/17

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 43.952+/-0.009 χ^2/NDF:2325736.4/23

Out: 46.474+/-0.009 χ^2/NDF:2268345.1/28

All: 45.193+/-0.006 χ^2/NDF: 4633722.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/9

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.4/7

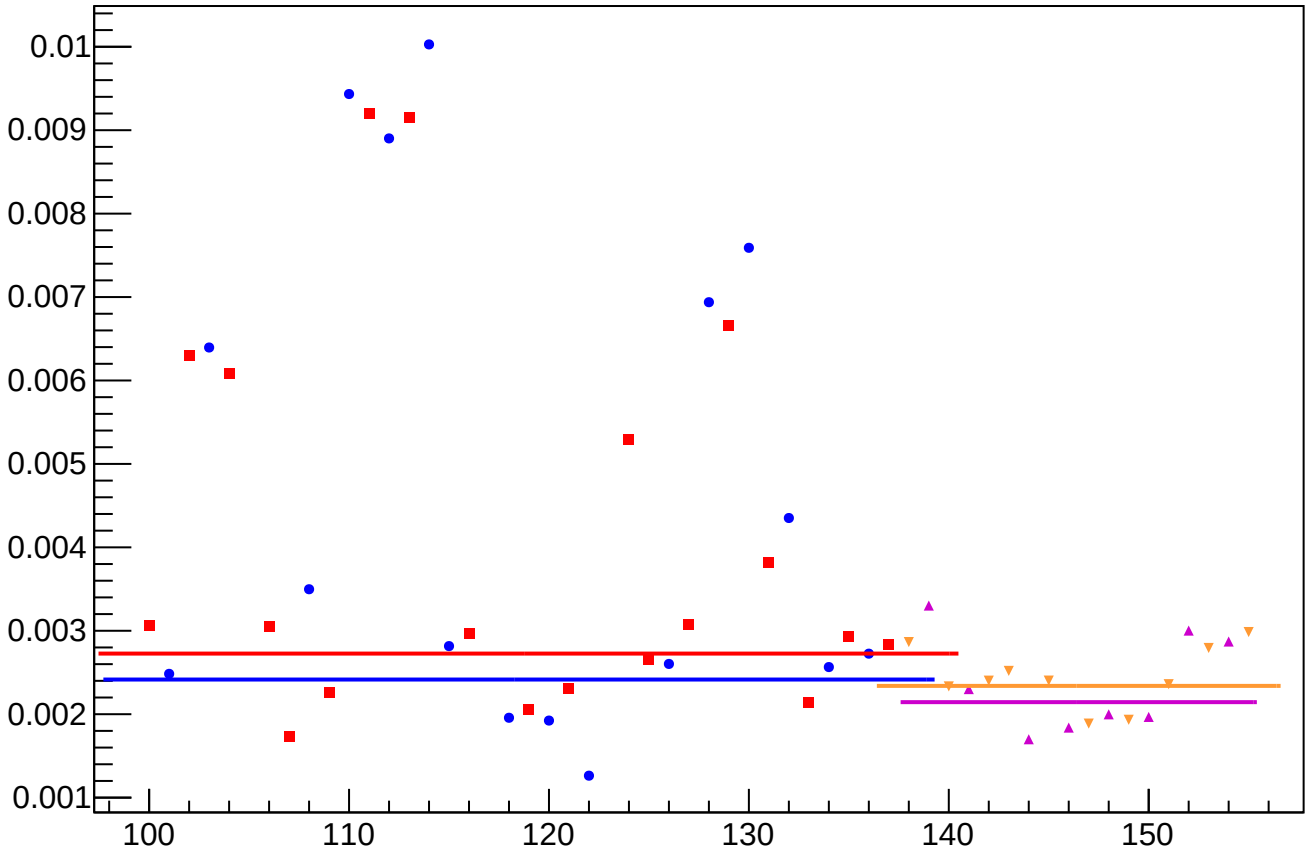
Left: 0.000+/-0.000 χ^2/NDF: 16.4/17

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:17.9/23

Out: -0.000+/-0.000 χ^2/NDF:29.7/28

All: 0.000+/-0.000 χ^2/NDF: 48.1/52



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:351226.8/9

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:648352.5/7

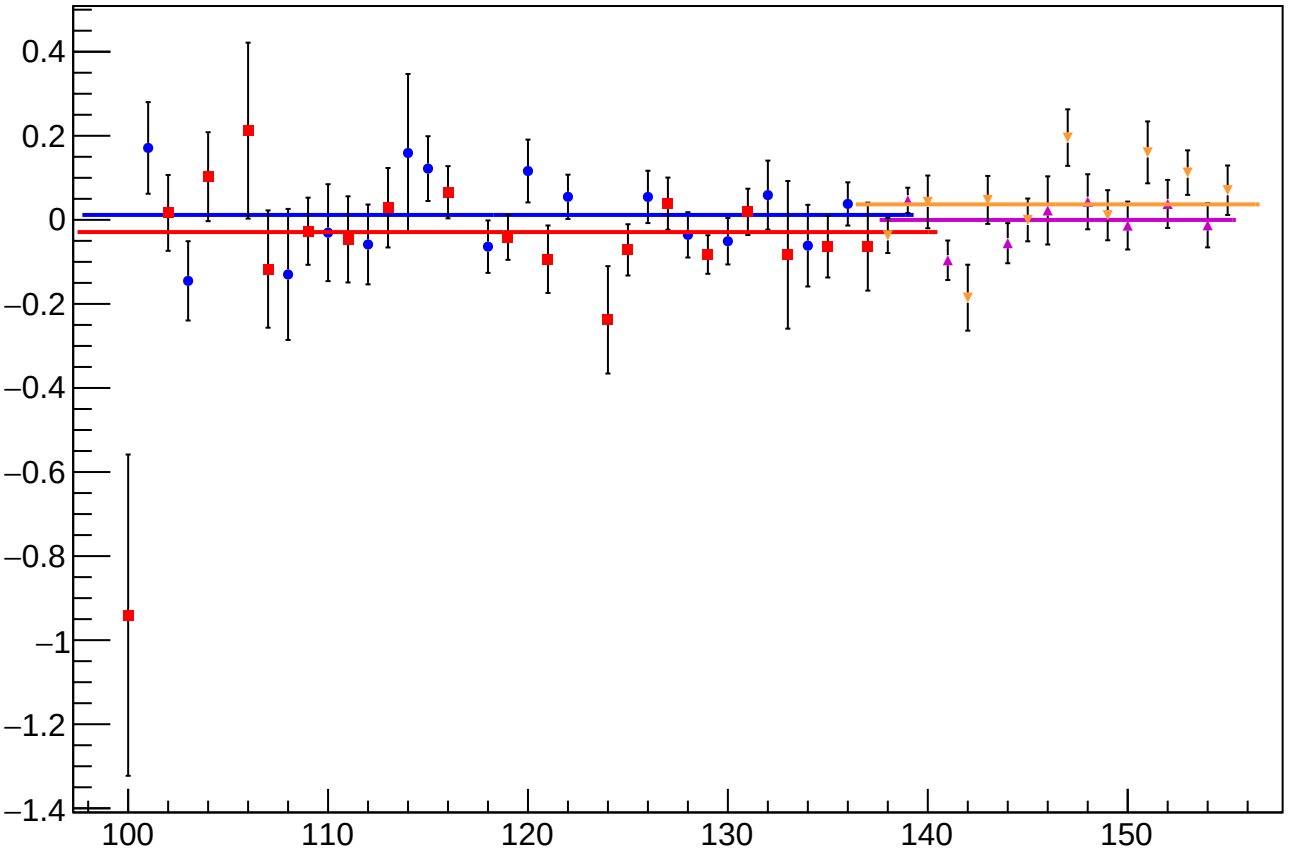
Left: 0.002+/-0.000 χ^2/NDF: 1052997.3/17

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4162687.7/23

Out: 0.002+/-0.000 χ^2/NDF:3007736.8/28

All: 0.002+/-0.000 χ^2/NDF: 7289551.8/52



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.037+/-0.018 χ^2/NDF:22.6/9

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.000+/-0.017 χ^2/NDF:9.0/7

Left: 0.017+/-0.013 χ^2/NDF: 33.8/17

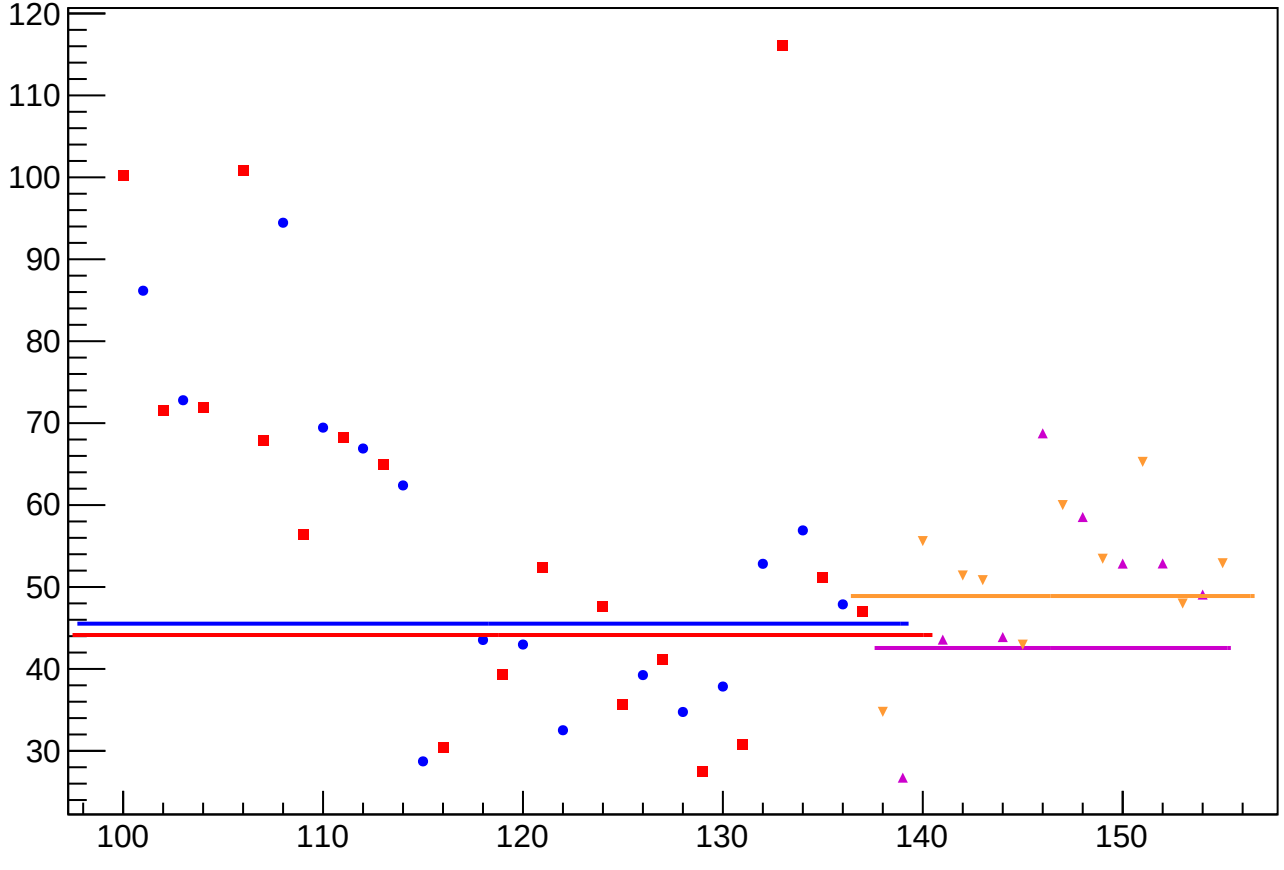
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.013 χ^2/NDF:26.1/23

Out: 0.003+/-0.013 χ^2/NDF:48.8/28

All: 0.004+/-0.009 χ^2/NDF: 74.9/52

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 48.898+/-0.013 χ^2/NDF:455528.9/9

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 42.557+/-0.012 χ^2/NDF:1043977.8/7

Left: 45.555+/-0.009 χ^2/NDF: 1627137.6/17

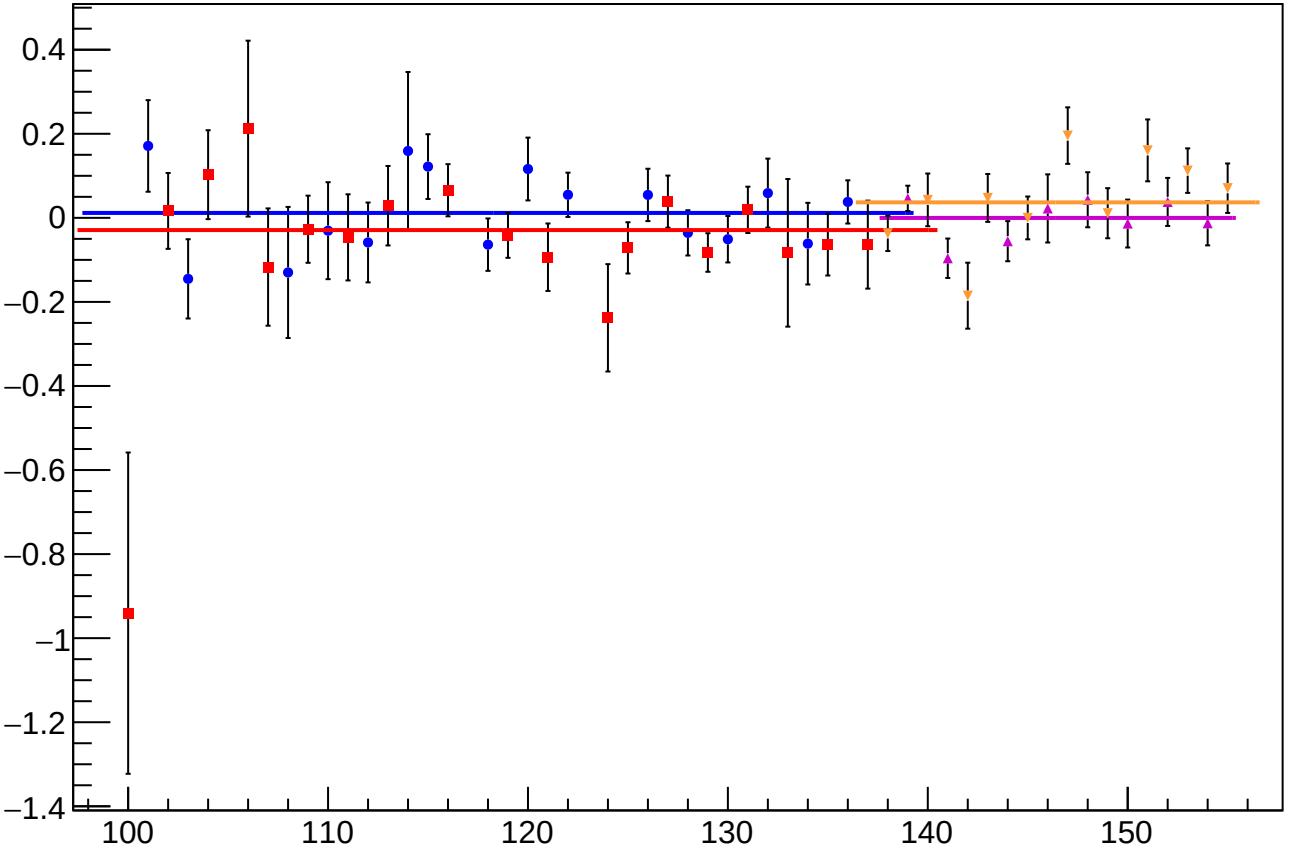
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 43.953+/-0.009 χ^2/NDF:2325712.7/23

Out: 46.474+/-0.009 χ^2/NDF:2268289.8/28

All: 45.193+/-0.006 χ^2/NDF: 4633648.7/52

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: 0.037+/-0.018 χ^2/NDF:22.6/9

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.000+/-0.017 χ^2/NDF:9.0/7

Left: 0.017+/-0.013 χ^2/NDF: 33.8/17

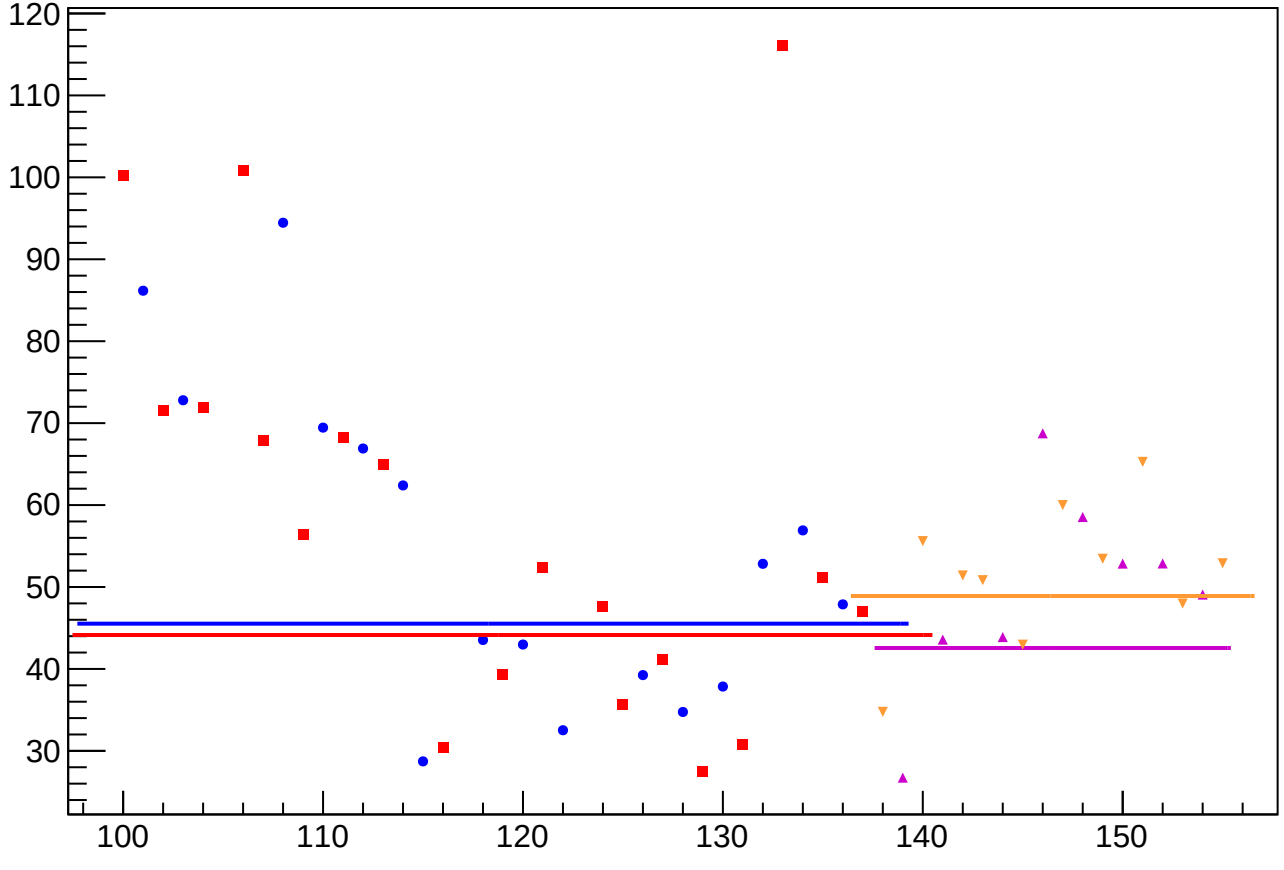
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.013 χ^2/NDF:26.1/23

Out: 0.003+/-0.013 χ^2/NDF:48.8/28

All: 0.004+/-0.009 χ^2/NDF: 74.9/52

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: 48.898+/-0.013 χ^2/NDF:455528.9/9

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 42.557+/-0.012 χ^2/NDF:1043977.8/7

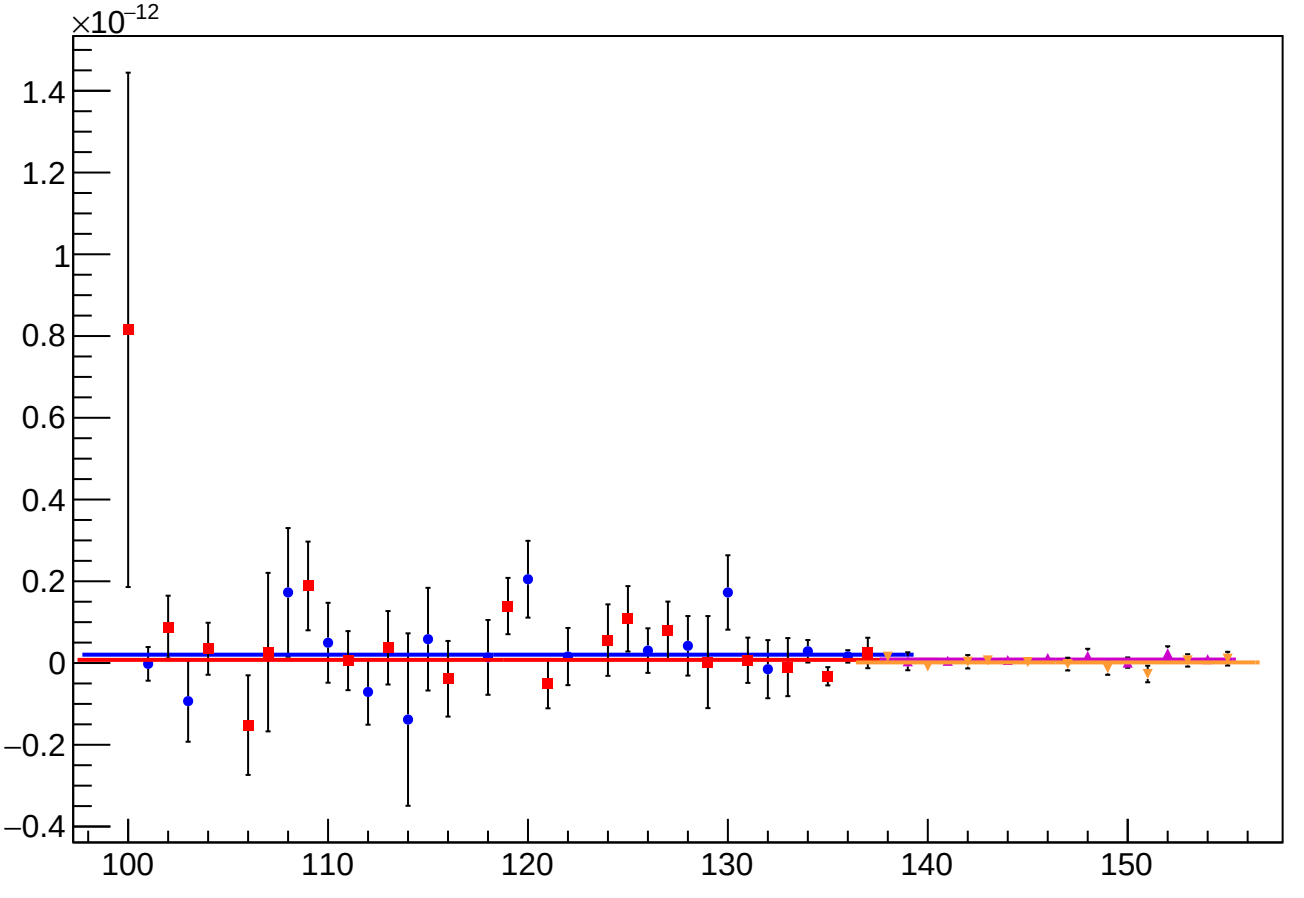
Left: 45.555+/-0.009 χ^2/NDF: 1627137.6/17

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 43.953+/-0.009 χ^2/NDF:2325712.7/23

Out: 46.474+/-0.009 χ^2/NDF:2268289.8/28

All: 45.193+/-0.006 χ^2/NDF: 4633648.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/7

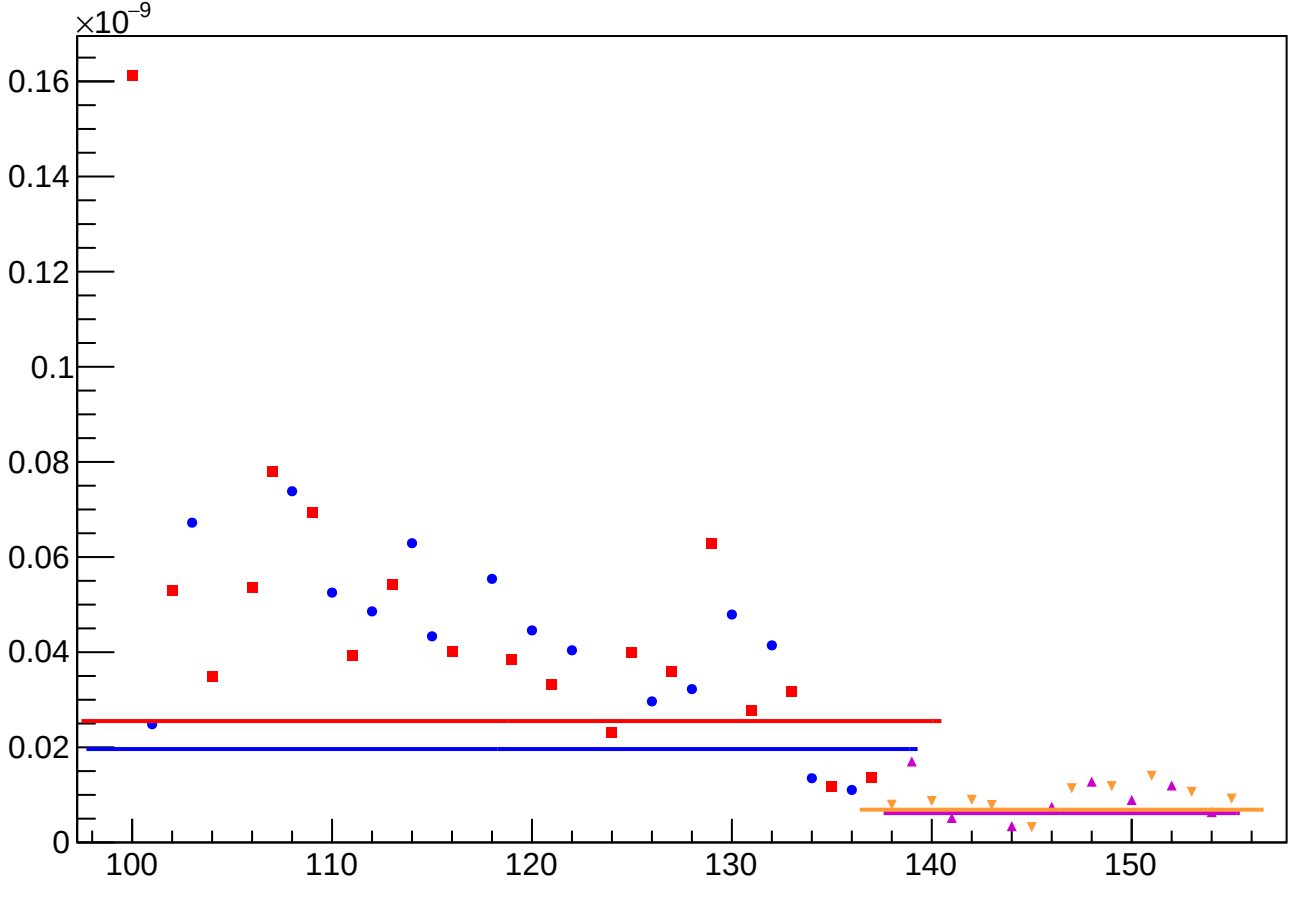
Left: 0.000+/-0.000 χ^2/NDF: 9.3/17

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:14.6/23

Out: 0.000+/-0.000 χ^2/NDF:24.5/28

All: 0.000+/-0.000 χ^2/NDF: 41.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1743581.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1624286.3/7

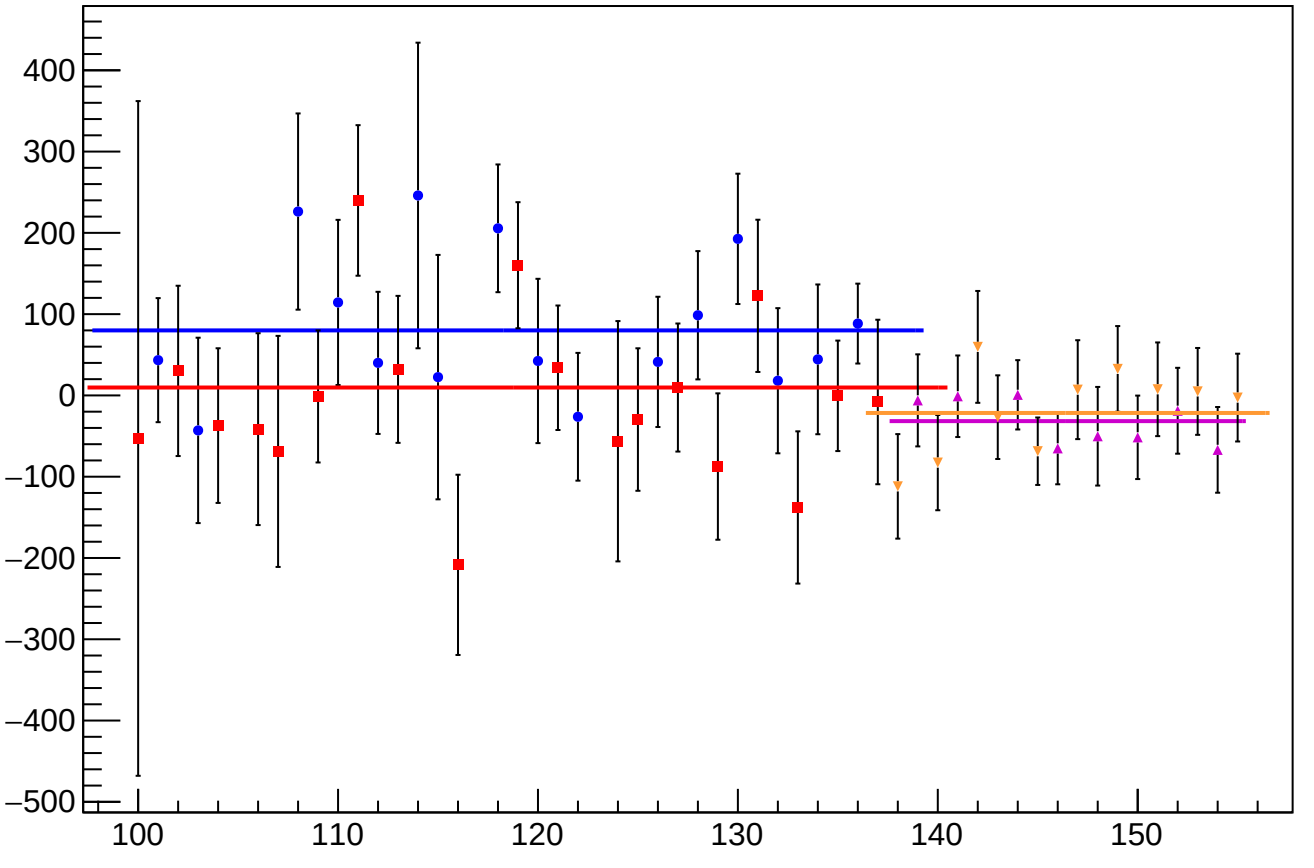
Left: 0.000+/-0.000 χ^2/NDF: 3407644.6/17

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7497698.4/23

Out: 0.000+/-0.000 χ^2/NDF:7909677.0/28

All: 0.000+/-0.000 χ^2/NDF: 15444384.4/52



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -21.569+/-17.337 χ^2/NDF:7.7/9

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -31.616+/-17.847 χ^2/NDF:2.5/7

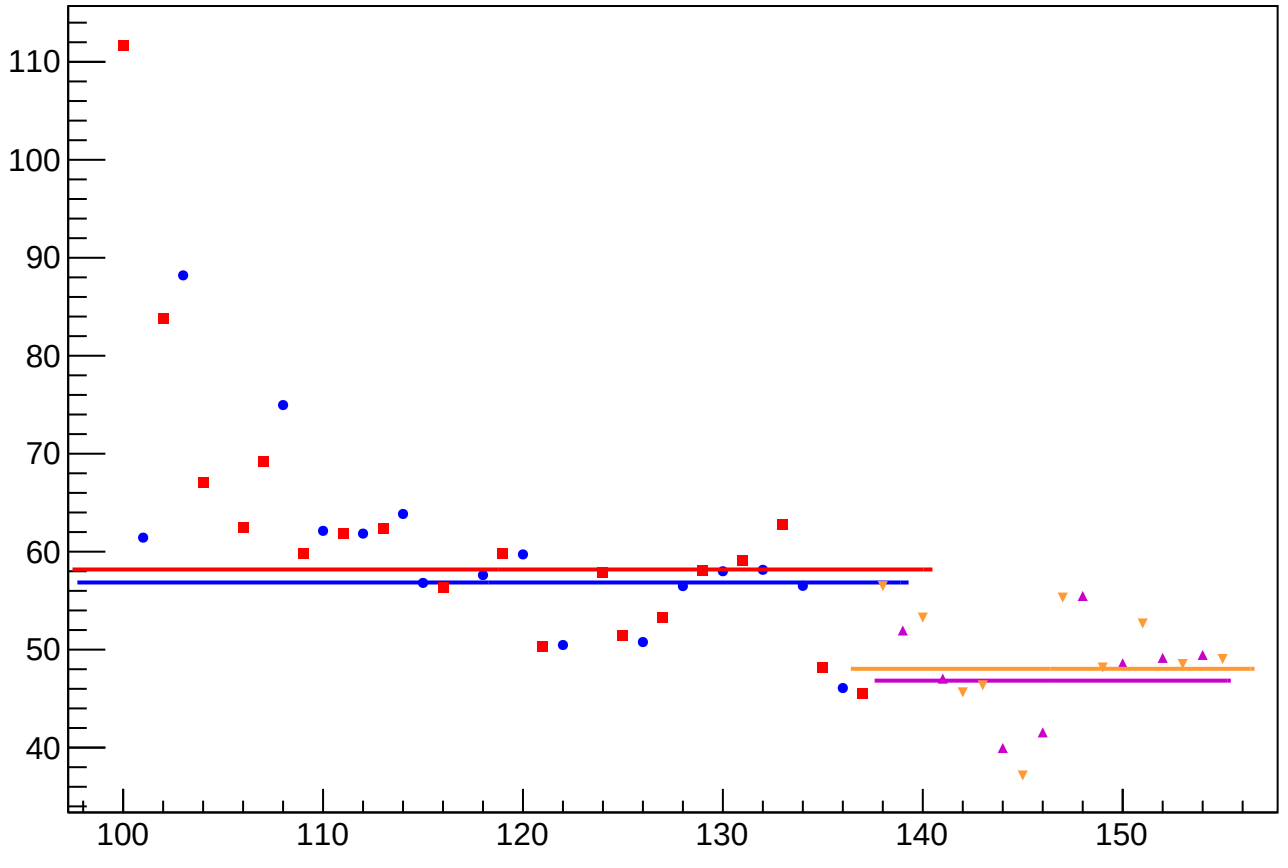
Left: -26.447+/-12.435 χ^2/NDF: 10.3/17

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 13.979+/-13.726 χ^2/NDF:30.0/23

Out: -9.317+/-13.525 χ^2/NDF:29.3/28

All: 2.159+/-9.634 χ^2/NDF: 60.7/52



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.044+/-0.012 χ^2/NDF:235064.5/9

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 46.834+/-0.013 χ^2/NDF:148692.4/7

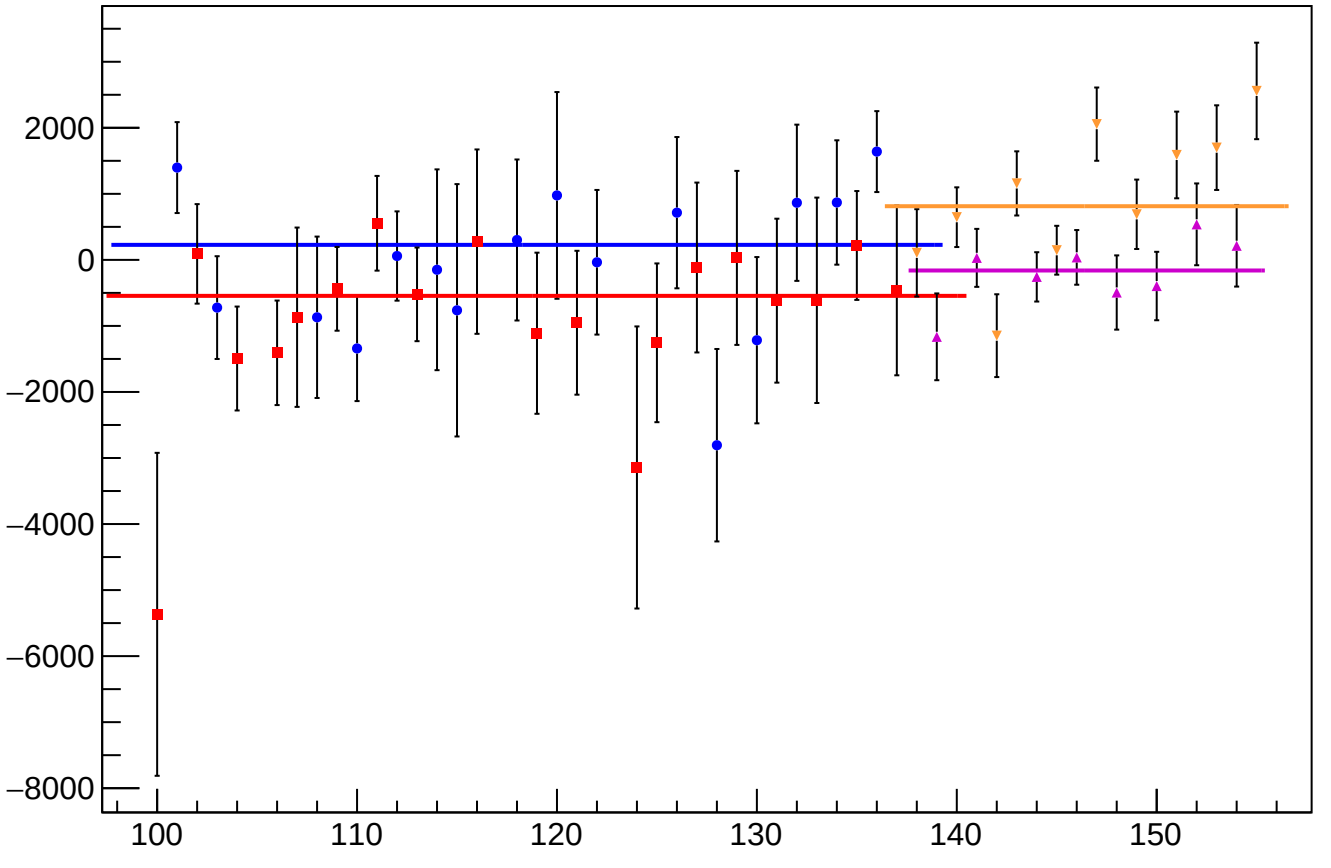
Left: 47.457+/-0.009 χ^2/NDF: 388487.6/17

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 50.928+/-0.010 χ^2/NDF:747853.3/23

Out: 52.012+/-0.010 χ^2/NDF:817382.3/28

All: 51.478+/-0.007 χ^2/NDF: 1571572.4/52



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 812.709+/-169.573 χ^2/NDF:28.9/9

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -160.637+/-175.068 χ^2/NDF:5.0/7

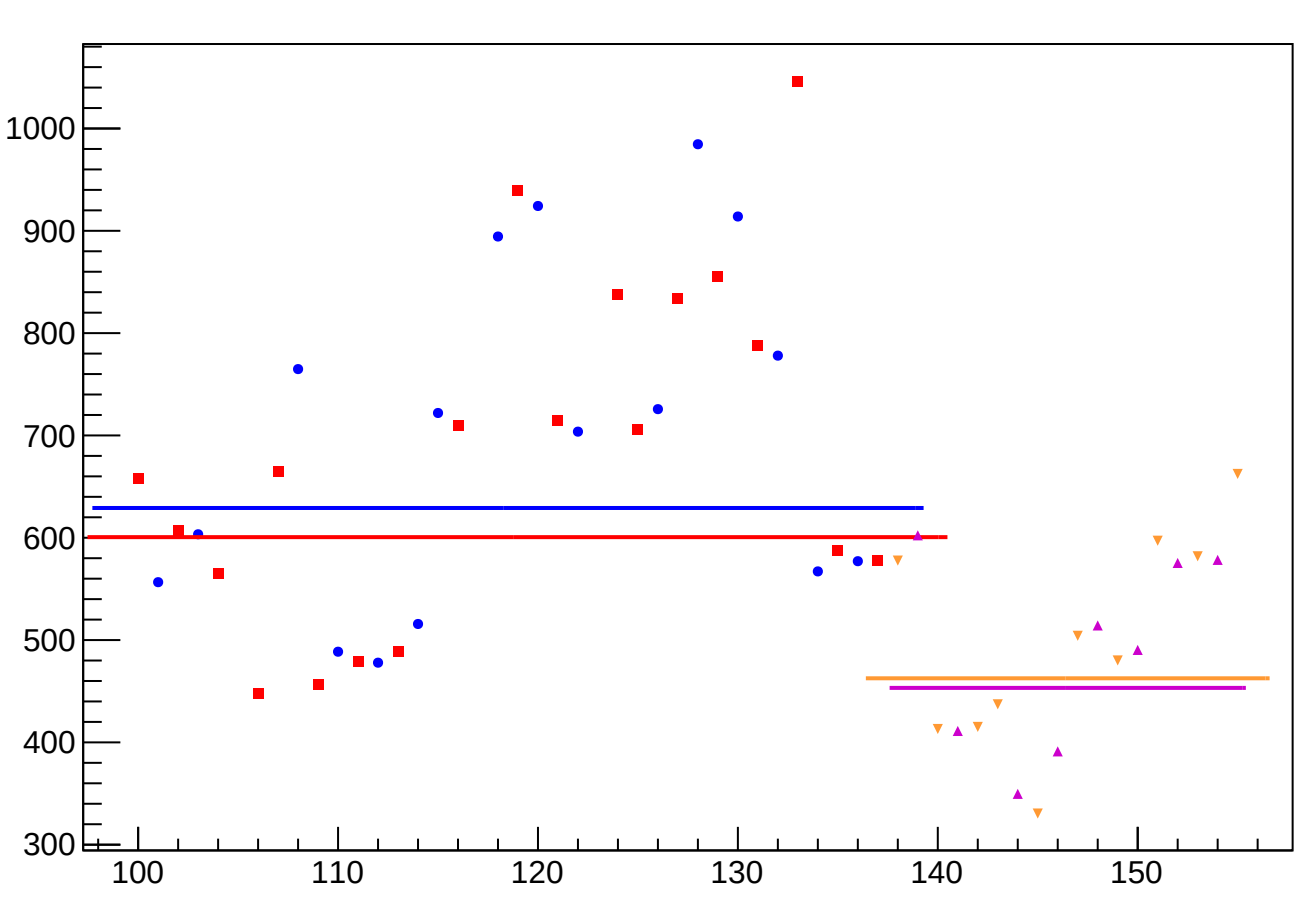
Left: 341.551+/-121.802 χ^2/NDF: 49.9/17

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -26.729+/-141.686 χ^2/NDF:28.4/23

Out: 327.173+/-135.904 χ^2/NDF:65.2/28

All: 157.591+/-98.079 χ^2/NDF: 96.8/52



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 462.632+/-0.120 χ^2/NDF:673191.2/9

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 453.251+/-0.124 χ^2/NDF:513756.9/7

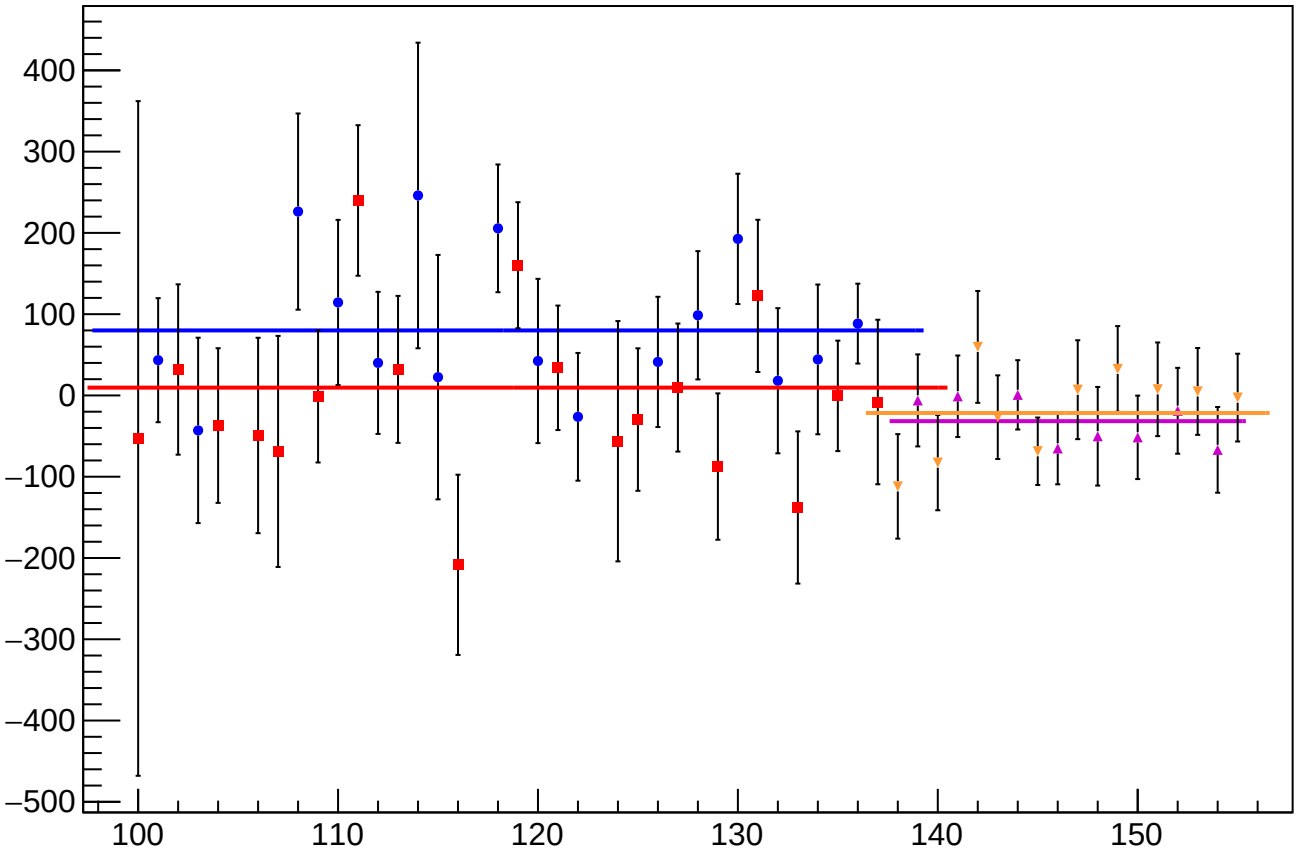
Left: 458.091+/-0.086 χ^2/NDF: 1189910.7/17

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 513.917+/-0.100 χ^2/NDF:1902606.6/23

Out: 511.977+/-0.096 χ^2/NDF:2021305.4/28

All: 512.907+/-0.069 χ^2/NDF: 3924107.2/52



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -21.573+/-17.337 χ^2/NDF:7.7/9

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -31.617+/-17.847 χ^2/NDF:2.5/7

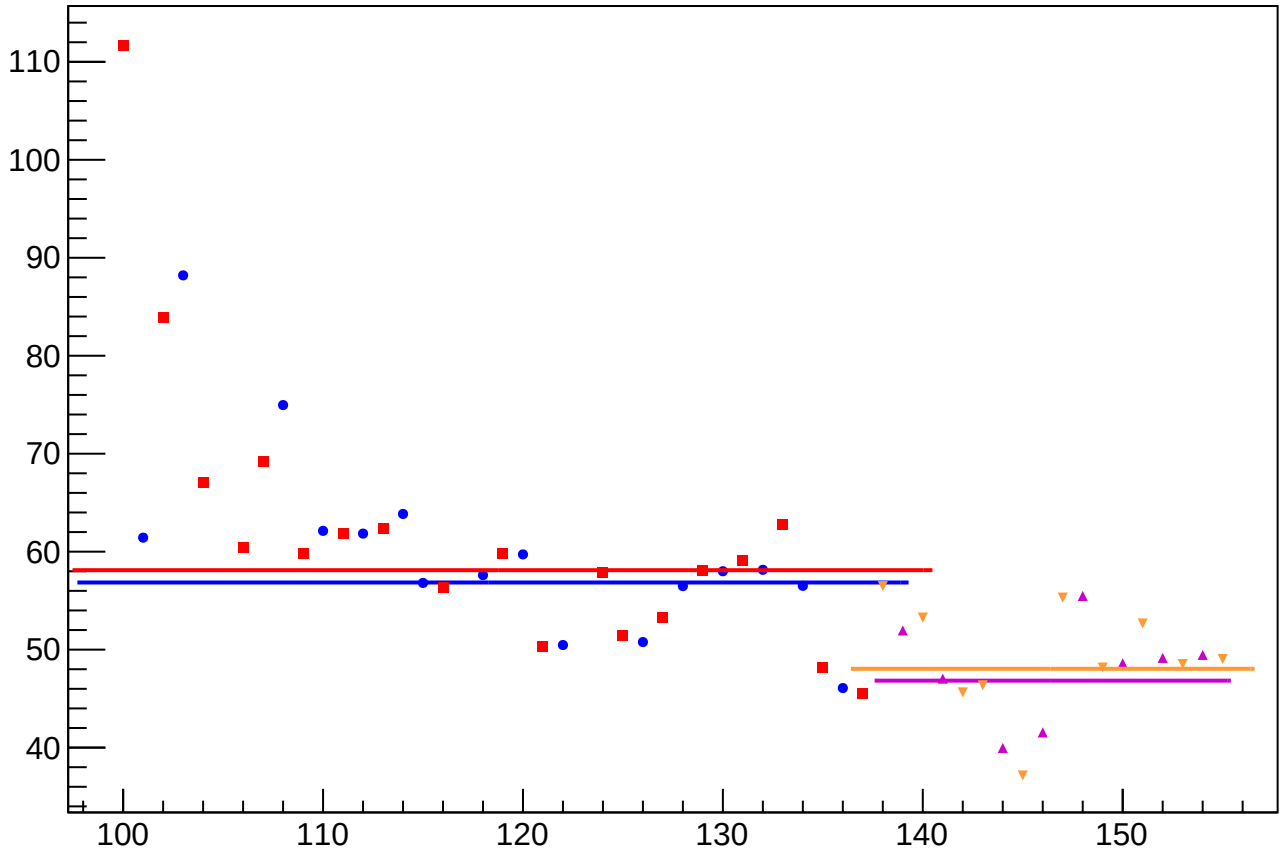
Left: -26.450+/-12.435 χ^2/NDF: 10.3/17

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 13.980+/-13.726 χ^2/NDF:30.0/23

Out: -9.373+/-13.528 χ^2/NDF:29.3/28

All: 2.135+/-9.635 χ^2/NDF: 60.8/52



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.044+/-0.012 χ^2/NDF:235064.5/9

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.834+/-0.013 χ^2/NDF:148692.4/7

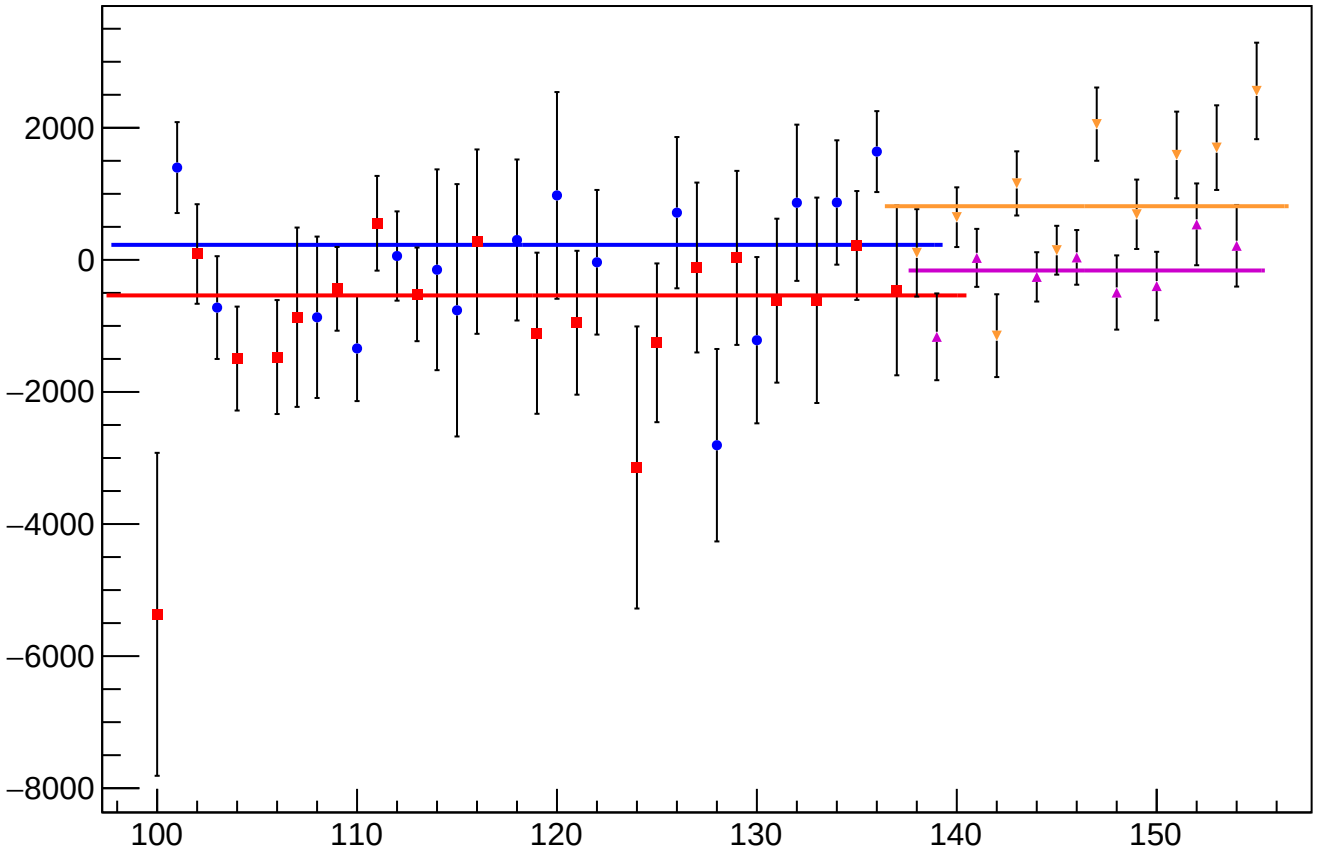
Left: 47.457+/-0.009 χ^2/NDF: 388487.6/17

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.928+/-0.010 χ^2/NDF:747857.3/23

Out: 51.982+/-0.010 χ^2/NDF:811736.8/28

All: 51.462+/-0.007 χ^2/NDF: 1565575.9/52



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 812.705+/-169.573 χ^2/NDF:28.9/9

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -160.641+/-175.068 χ^2/NDF:5.0/7

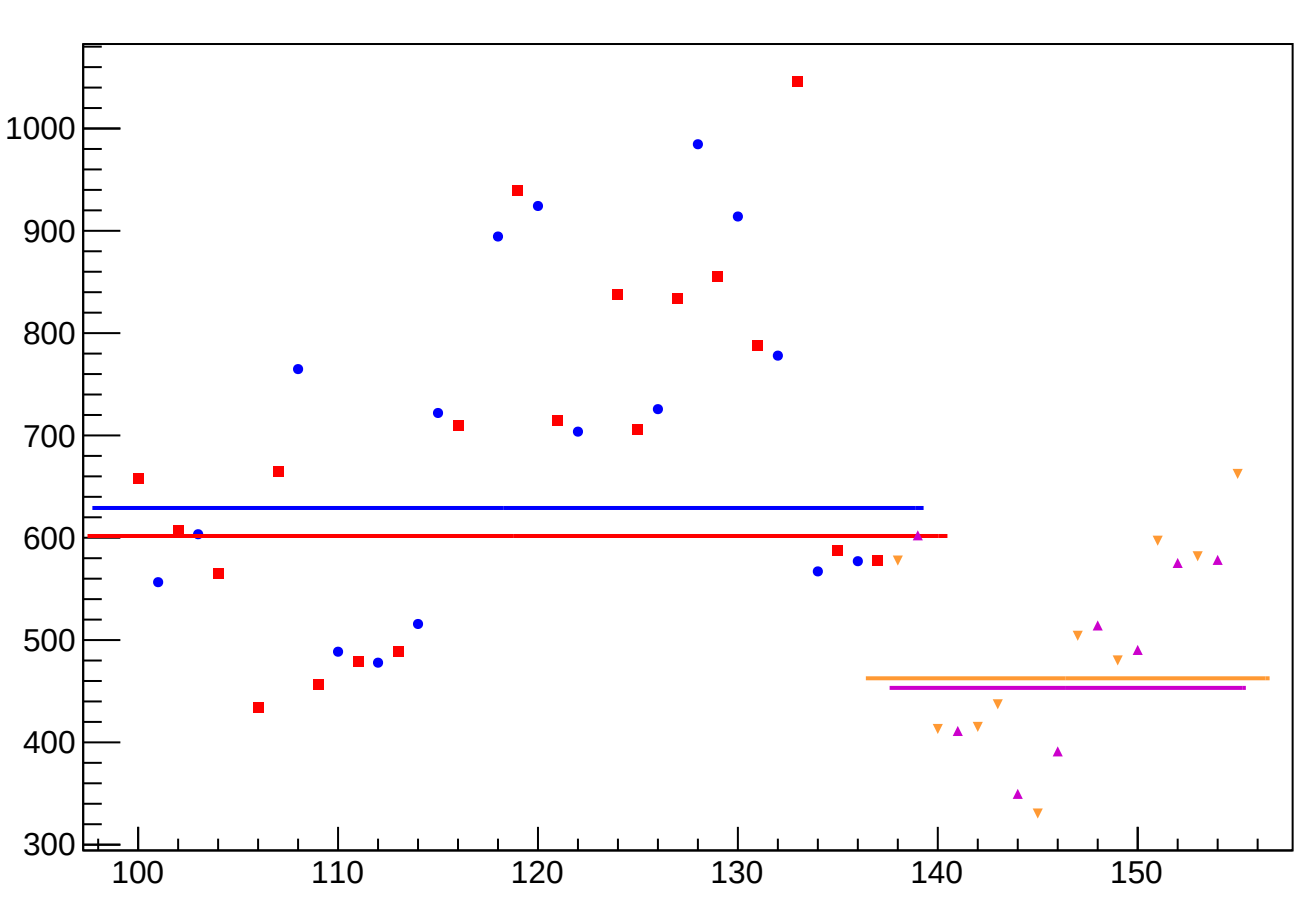
Left: 341.547+/-121.802 χ^2/NDF: 49.9/17

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -26.720+/-141.687 χ^2/NDF:28.4/23

Out: 333.658+/-136.226 χ^2/NDF:64.7/28

All: 160.548+/-98.200 χ^2/NDF: 96.5/52



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 462.632+/-0.120 χ^2/NDF:673193.2/9

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 453.252+/-0.124 χ^2/NDF:513756.3/7

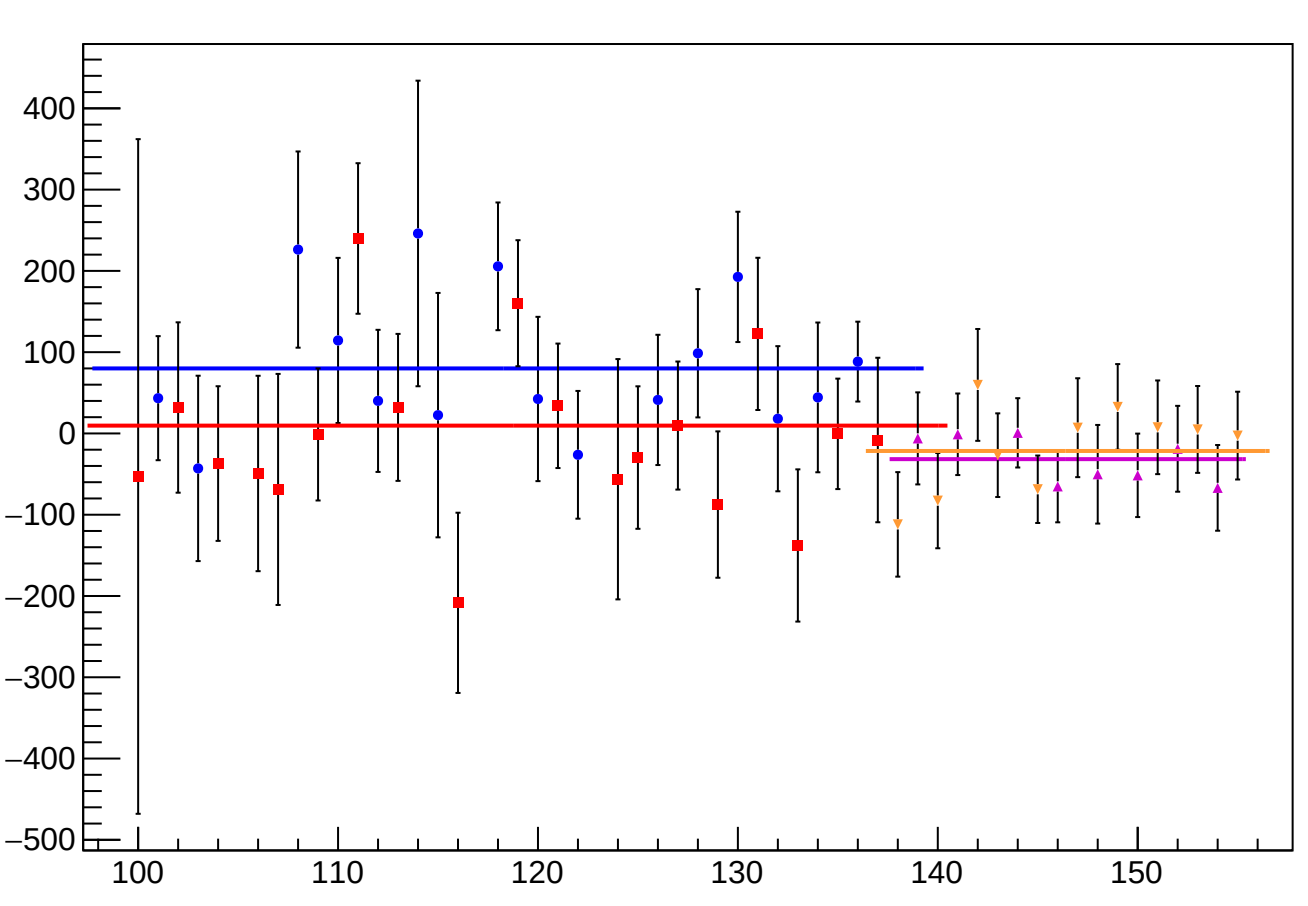
Left: 458.091+/-0.086 χ^2/NDF: 1189911.9/17

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 513.918+/-0.100 χ^2/NDF:1902626.5/23

Out: 511.957+/-0.096 χ^2/NDF:2024415.9/28

All: 512.899+/-0.069 χ^2/NDF: 3927241.4/52



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -21.573+/-17.337 χ^2/NDF:7.7/9

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -31.617+/-17.847 χ^2/NDF:2.5/7

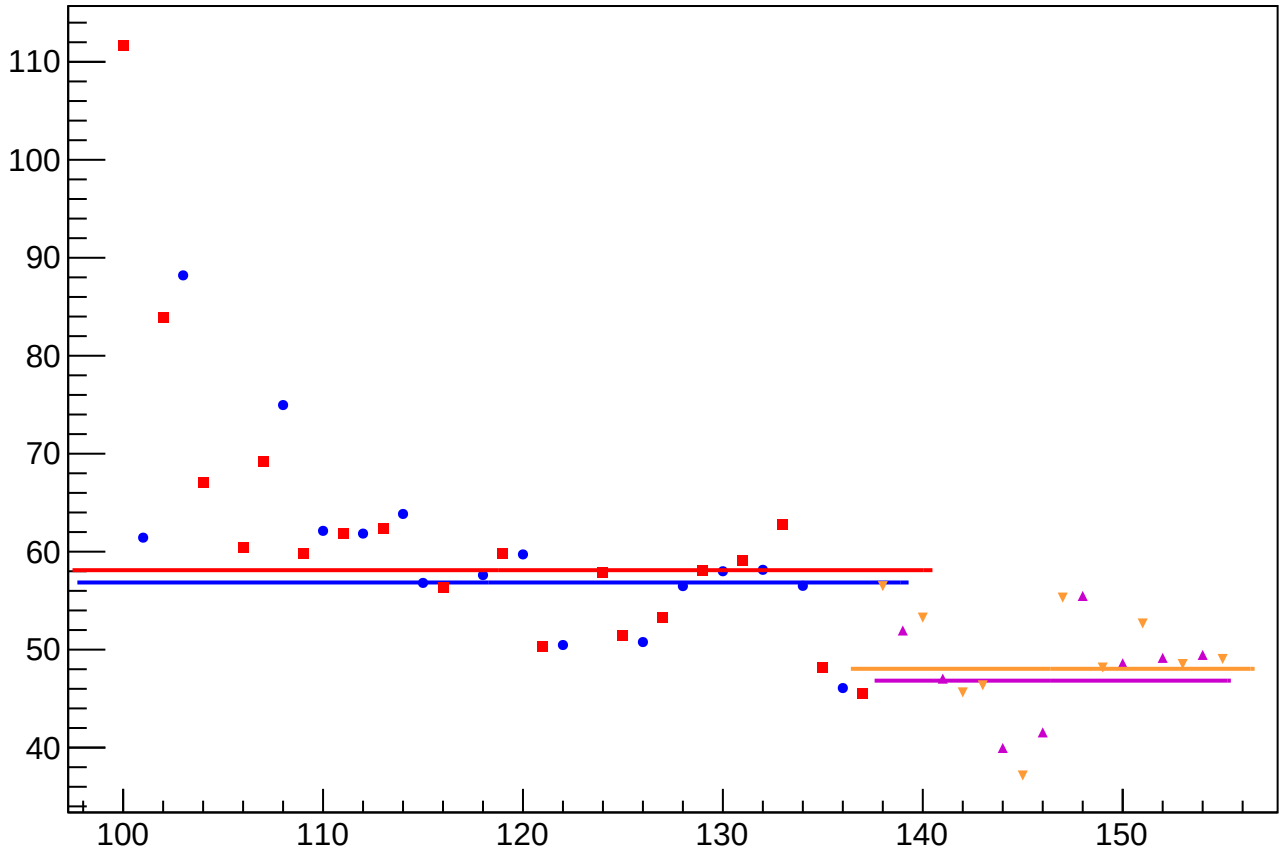
Left: -26.450+/-12.435 χ^2/NDF: 10.3/17

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 13.980+/-13.726 χ^2/NDF:30.0/23

Out: -9.373+/-13.528 χ^2/NDF:29.3/28

All: 2.135+/-9.635 χ^2/NDF: 60.8/52



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.044+/-0.012 χ^2/NDF:235064.5/9

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.834+/-0.013 χ^2/NDF:148692.4/7

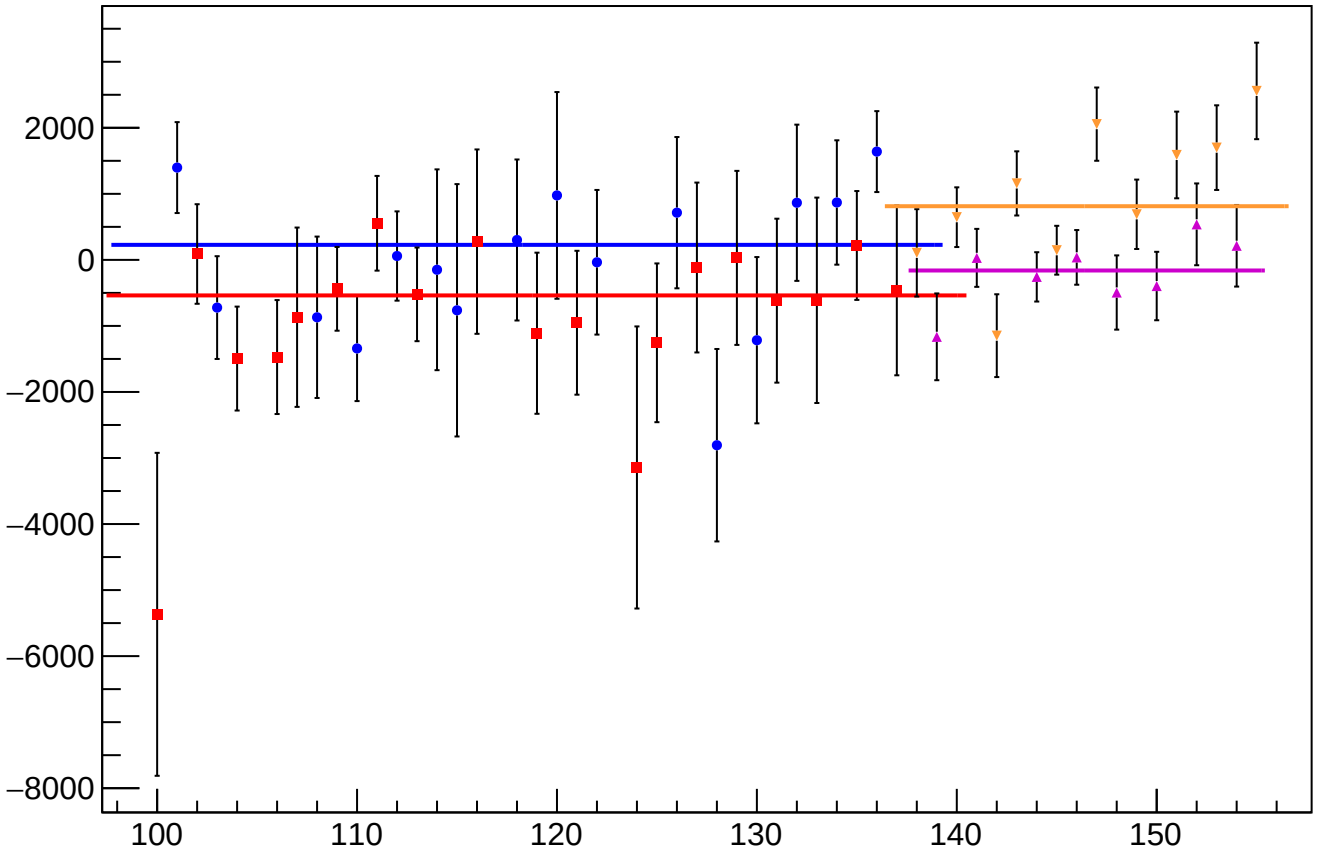
Left: 47.457+/-0.009 χ^2/NDF: 388487.6/17

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.928+/-0.010 χ^2/NDF:747857.3/23

Out: 51.982+/-0.010 χ^2/NDF:811736.8/28

All: 51.462+/-0.007 χ^2/NDF: 1565575.9/52



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 812.705+/-169.573 χ^2/NDF:28.9/9

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -160.641+/-175.068 χ^2/NDF:5.0/7

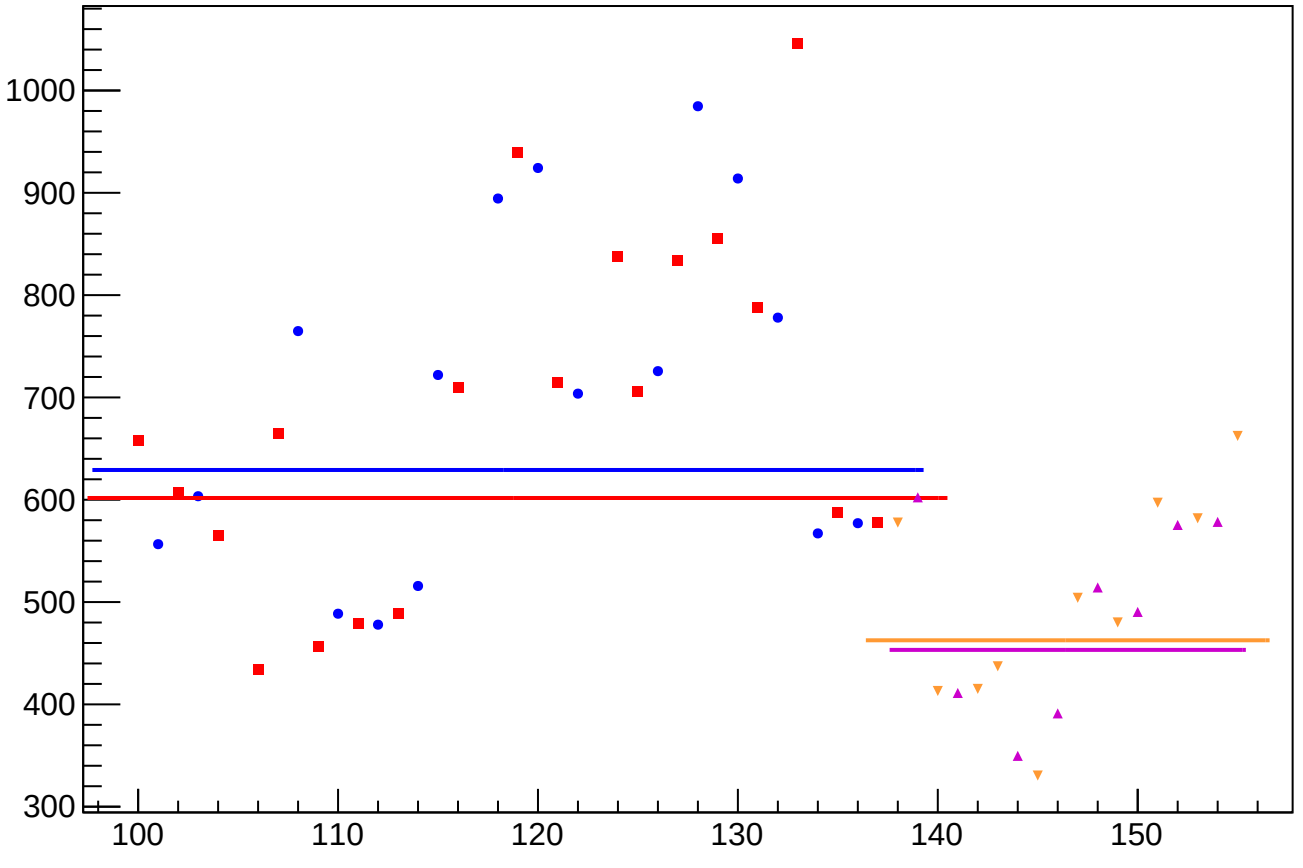
Left: 341.547+/-121.802 χ^2/NDF: 49.9/17

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -26.720+/-141.687 χ^2/NDF:28.4/23

Out: 333.658+/-136.226 χ^2/NDF:64.7/28

All: 160.548+/-98.200 χ^2/NDF: 96.5/52



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 462.632+/-0.120 χ^2/NDF:673193.2/9

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 453.252+/-0.124 χ^2/NDF:513756.3/7

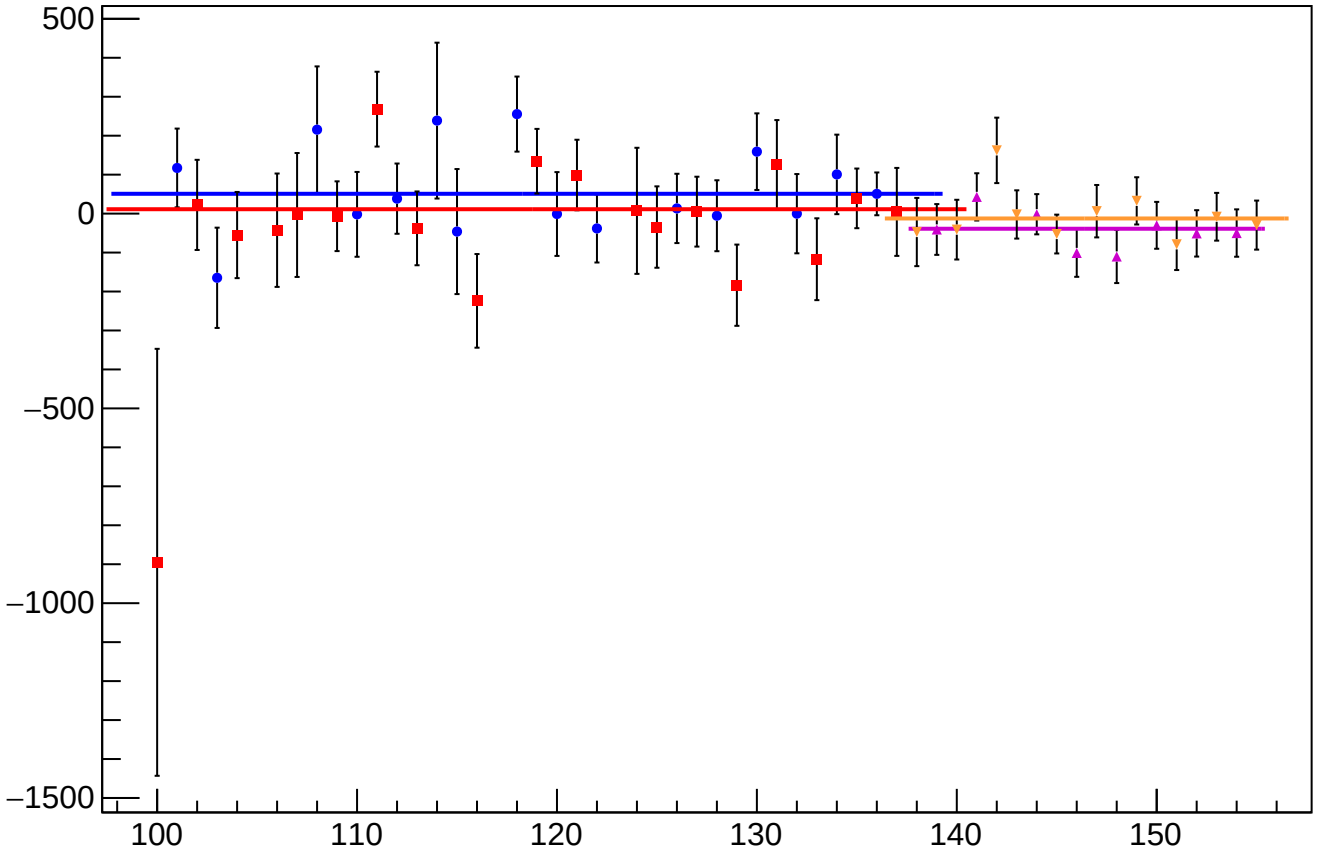
Left: 458.091+/-0.086 χ^2/NDF: 1189911.9/17

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 513.918+/-0.100 χ^2/NDF:1902626.5/23

Out: 511.957+/-0.096 χ^2/NDF:2024415.9/28

All: 512.899+/-0.069 χ^2/NDF: 3927241.4/52



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -12.496+/-20.639 χ^2/NDF:7.0/9

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -38.860+/-21.358 χ^2/NDF:4.5/7

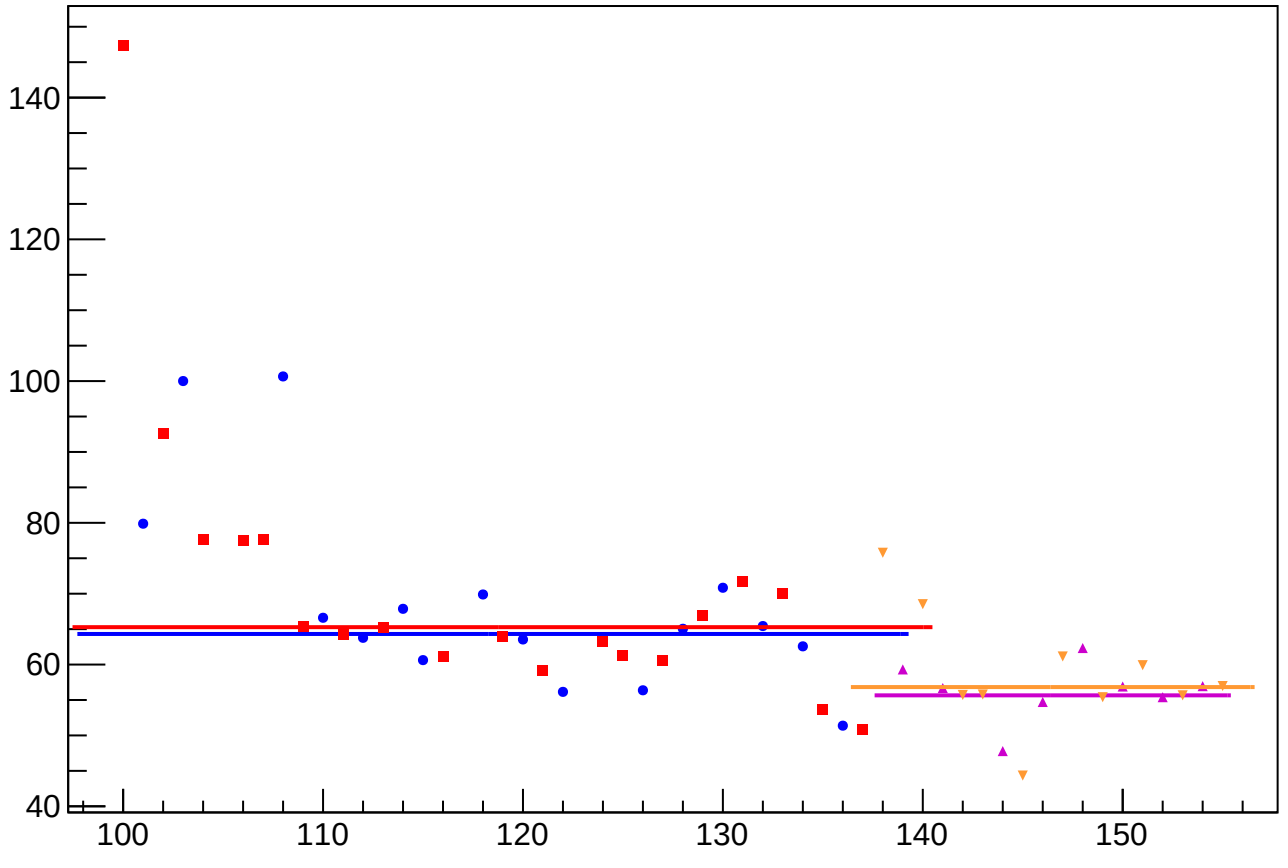
Left: -25.227+/-14.842 χ^2/NDF: 12.4/17

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: -0.104+/-16.097 χ^2/NDF:26.0/23

Out: -2.552+/-15.737 χ^2/NDF:31.6/28

All: -1.356+/-11.253 χ^2/NDF: 57.6/52



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.823+/-0.015 χ^2/NDF:281308.2/9

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.656+/-0.015 χ^2/NDF:74765.8/7

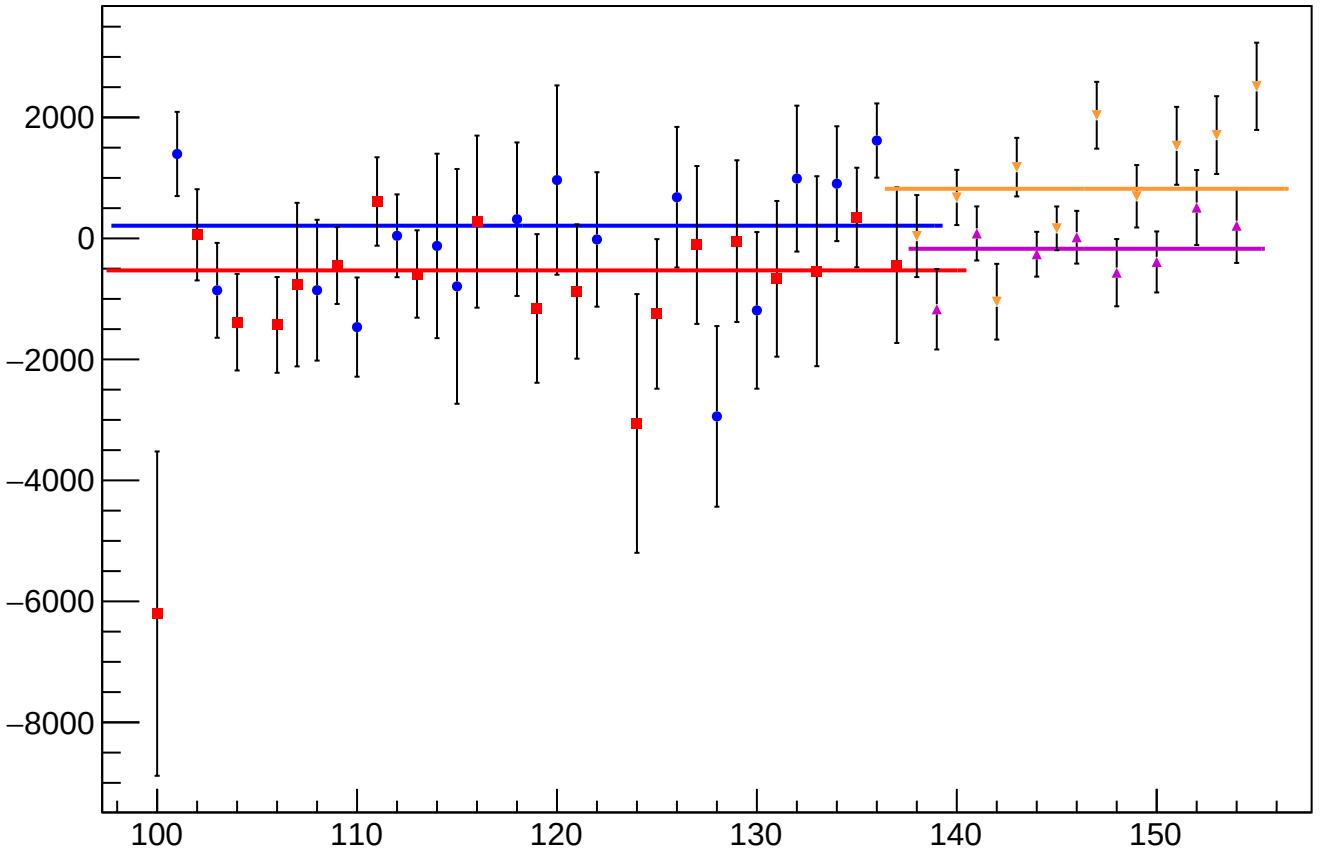
Left: 56.260+/-0.010 χ^2/NDF: 359161.2/17

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 59.397+/-0.011 χ^2/NDF:681766.2/23

Out: 60.362+/-0.011 χ^2/NDF:740908.3/28

All: 59.891+/-0.008 χ^2/NDF: 1426347.4/52



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 820.231+/-168.471 χ^2/NDF:27.7/9

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -171.326+/-176.135 χ^2/NDF:5.1/7

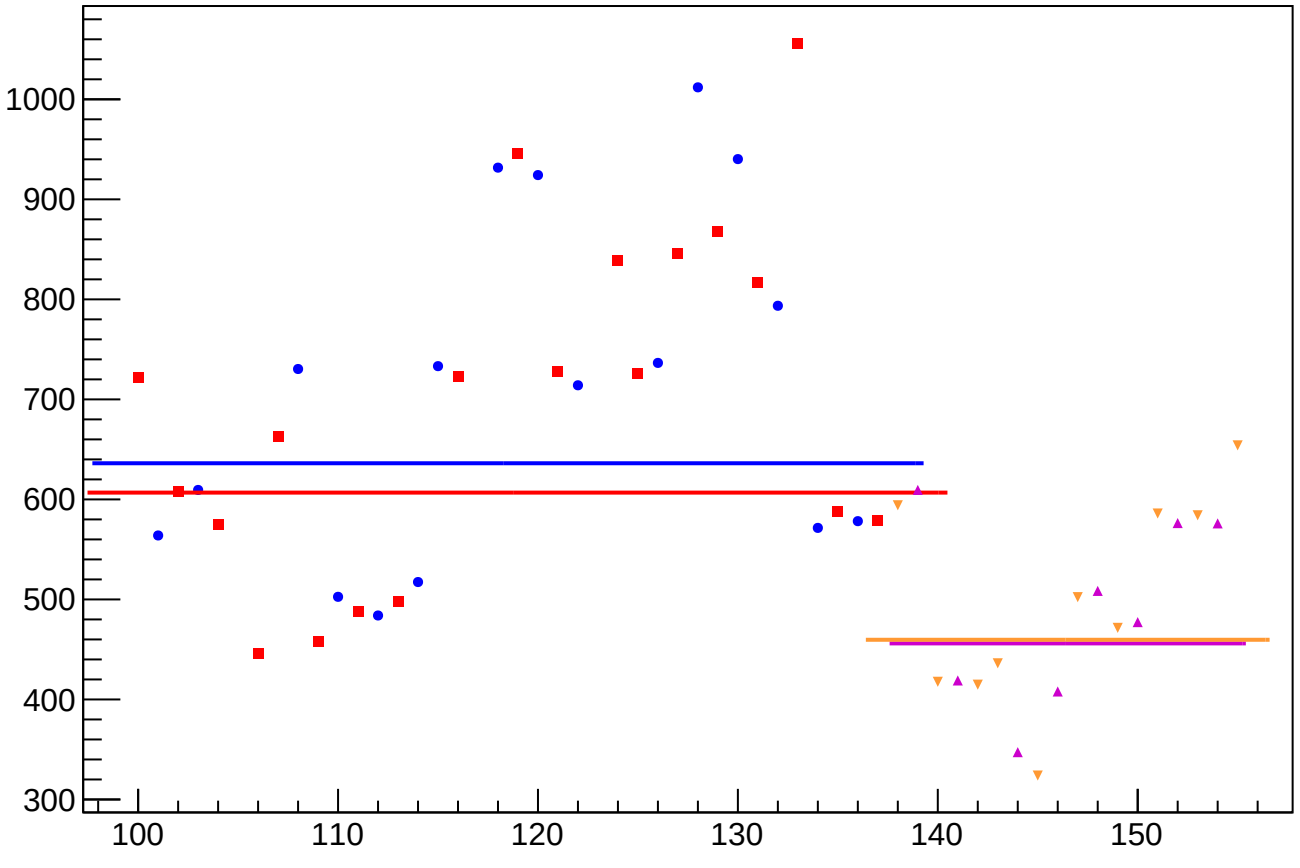
Left: 346.495+/-121.746 χ^2/NDF: 49.3/17

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -40.544+/-142.773 χ^2/NDF:29.2/23

Out: 348.359+/-135.844 χ^2/NDF:63.9/28

All: 163.572+/-98.415 χ^2/NDF: 97.0/52



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 459.666+/-0.119 χ^2/NDF:702621.7/9

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 456.044+/-0.125 χ^2/NDF:489585.2/7

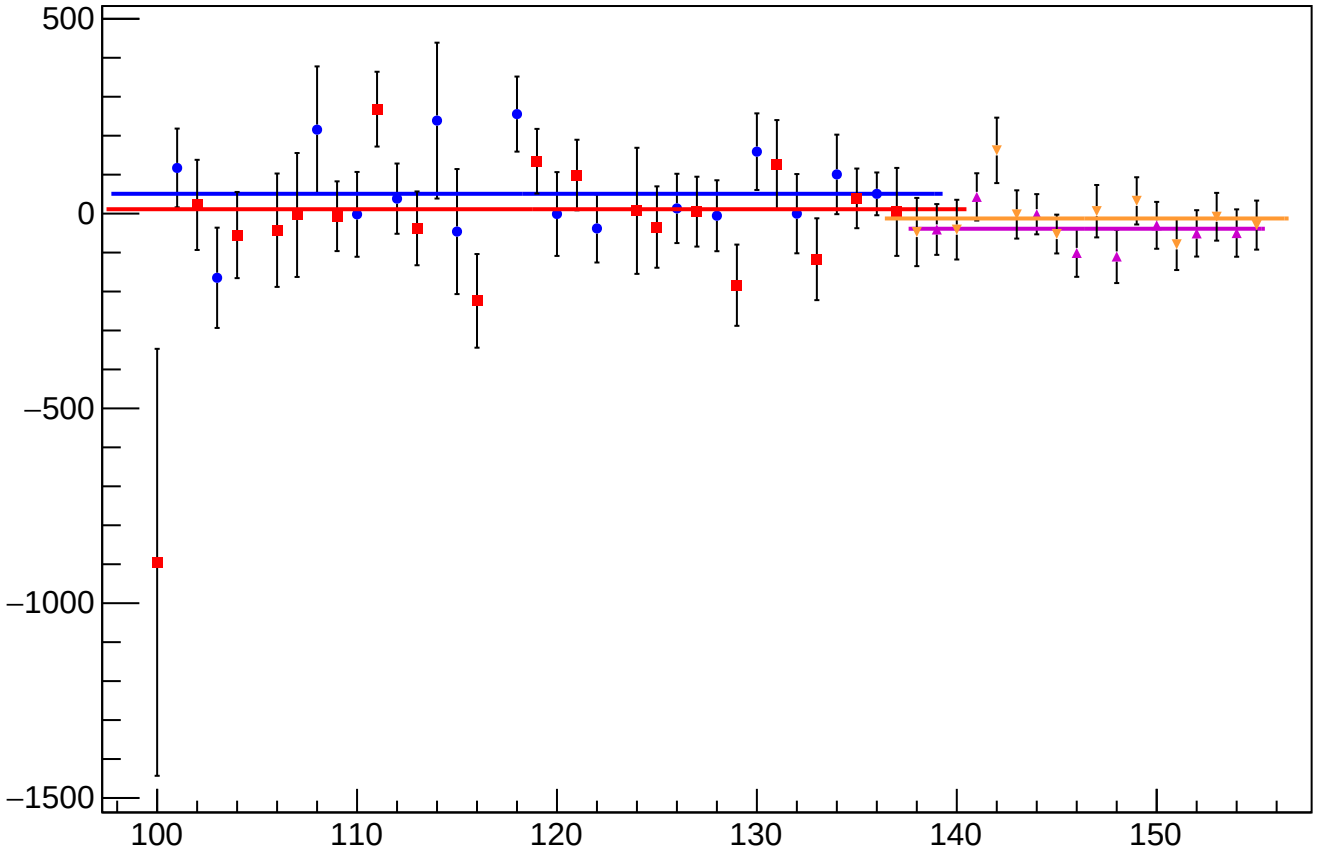
Left: 457.936+/-0.086 χ^2/NDF: 1192648.6/17

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 517.810+/-0.101 χ^2/NDF:1911951.6/23

Out: 511.137+/-0.096 χ^2/NDF:2130161.2/28

All: 514.308+/-0.070 χ^2/NDF: 4044405.4/52



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -12.496+/-20.639 χ^2/NDF:7.0/9

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -38.860+/-21.358 χ^2/NDF:4.5/7

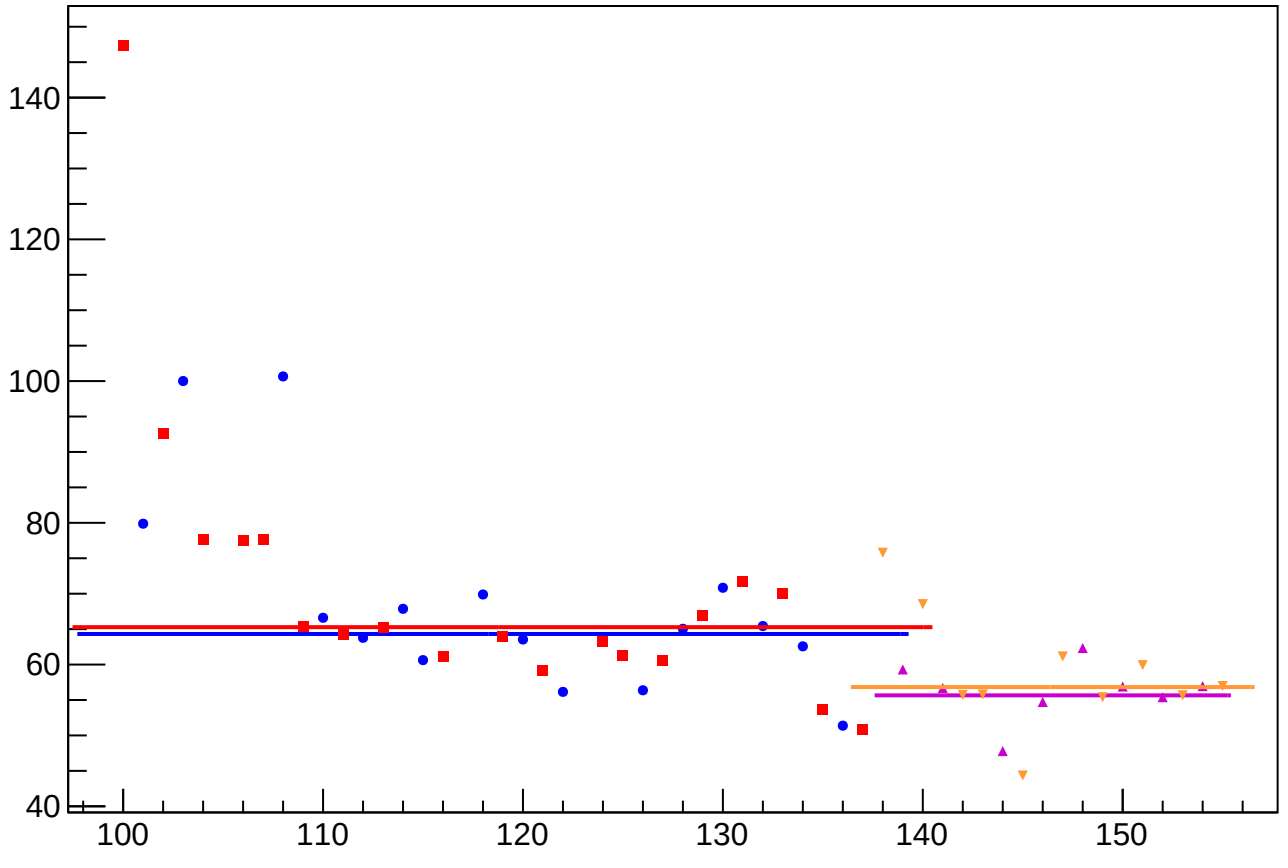
Left: -25.227+/-14.842 χ^2/NDF: 12.4/17

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: -0.106+/-16.097 χ^2/NDF:26.0/23

Out: -2.552+/-15.737 χ^2/NDF:31.6/28

All: -1.356+/-11.253 χ^2/NDF: 57.6/52



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.824+/-0.015 χ^2/NDF:281294.6/9

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.657+/-0.015 χ^2/NDF:74761.1/7

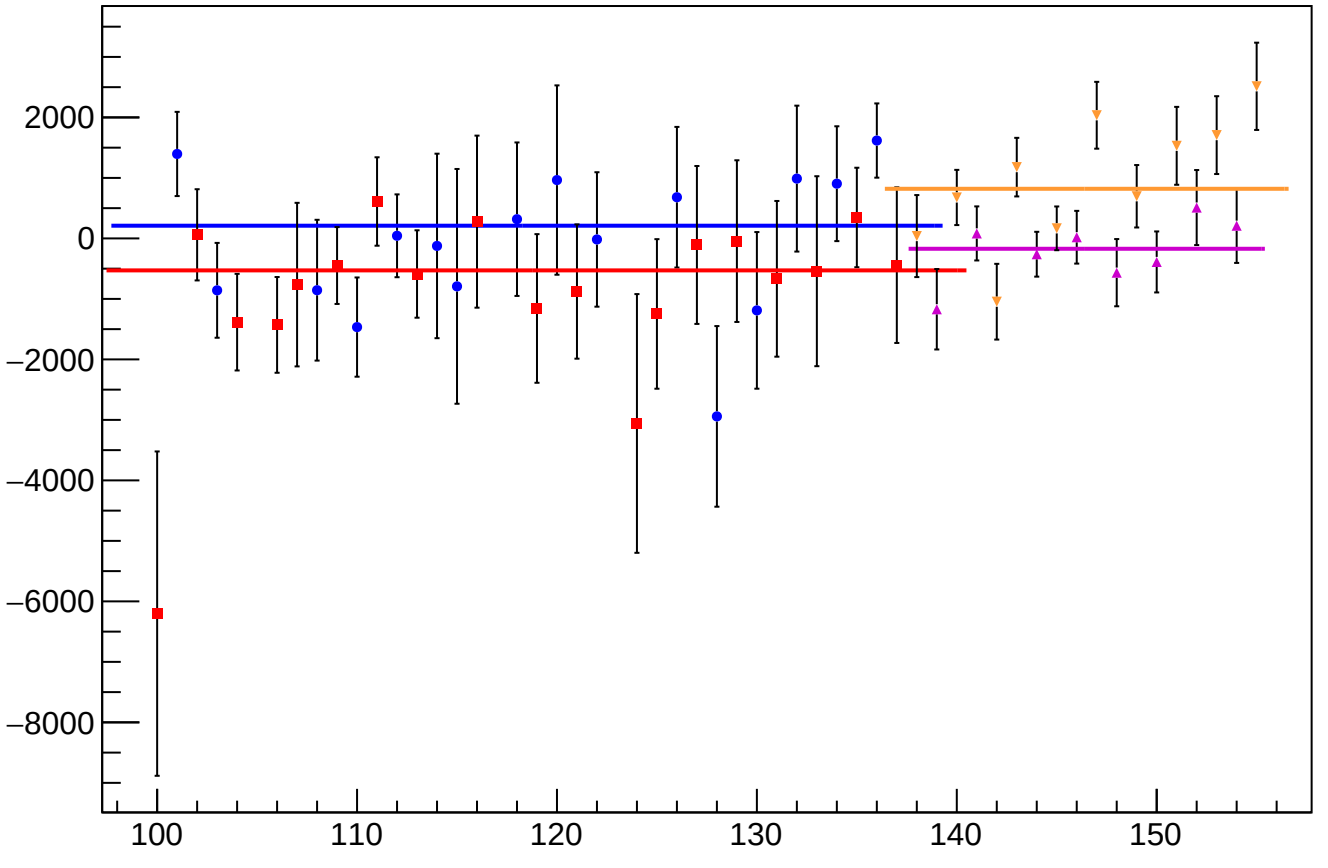
Left: 56.260+/-0.010 χ^2/NDF: 359143.3/17

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 59.397+/-0.011 χ^2/NDF:681754.2/23

Out: 60.362+/-0.011 χ^2/NDF:740888.4/28

All: 59.891+/-0.008 χ^2/NDF: 1426315.8/52



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 820.229+/-168.470 χ^2/NDF:27.7/9

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -171.326+/-176.135 χ^2/NDF:5.1/7

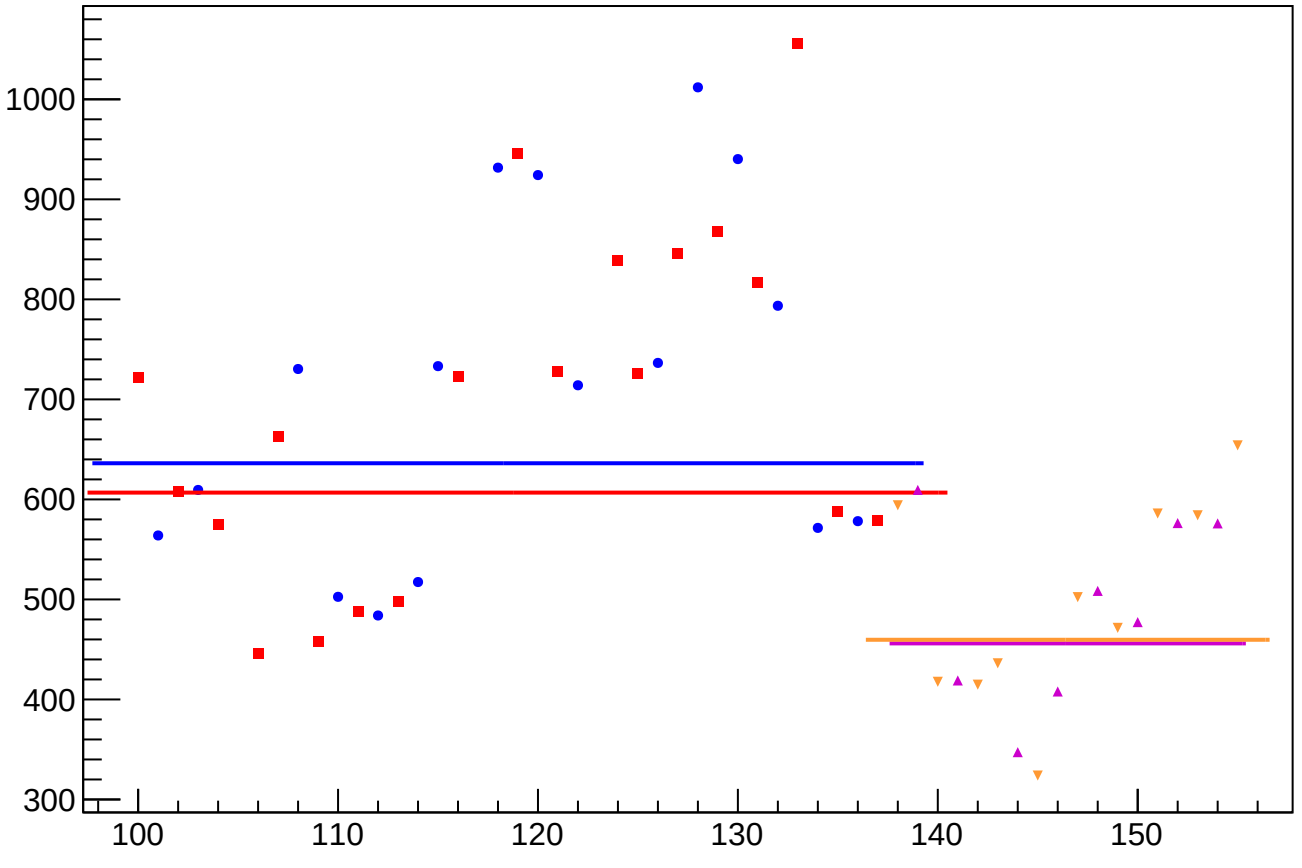
Left: 346.494+/-121.746 χ^2/NDF: 49.3/17

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -40.545+/-142.773 χ^2/NDF:29.2/23

Out: 348.359+/-135.844 χ^2/NDF:63.9/28

All: 163.572+/-98.415 χ^2/NDF: 97.0/52



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 459.665+/-0.119 χ^2/NDF:702627.9/9

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 456.044+/-0.125 χ^2/NDF:489585.6/7

Left: 457.935+/-0.086 χ^2/NDF: 1192655.1/17

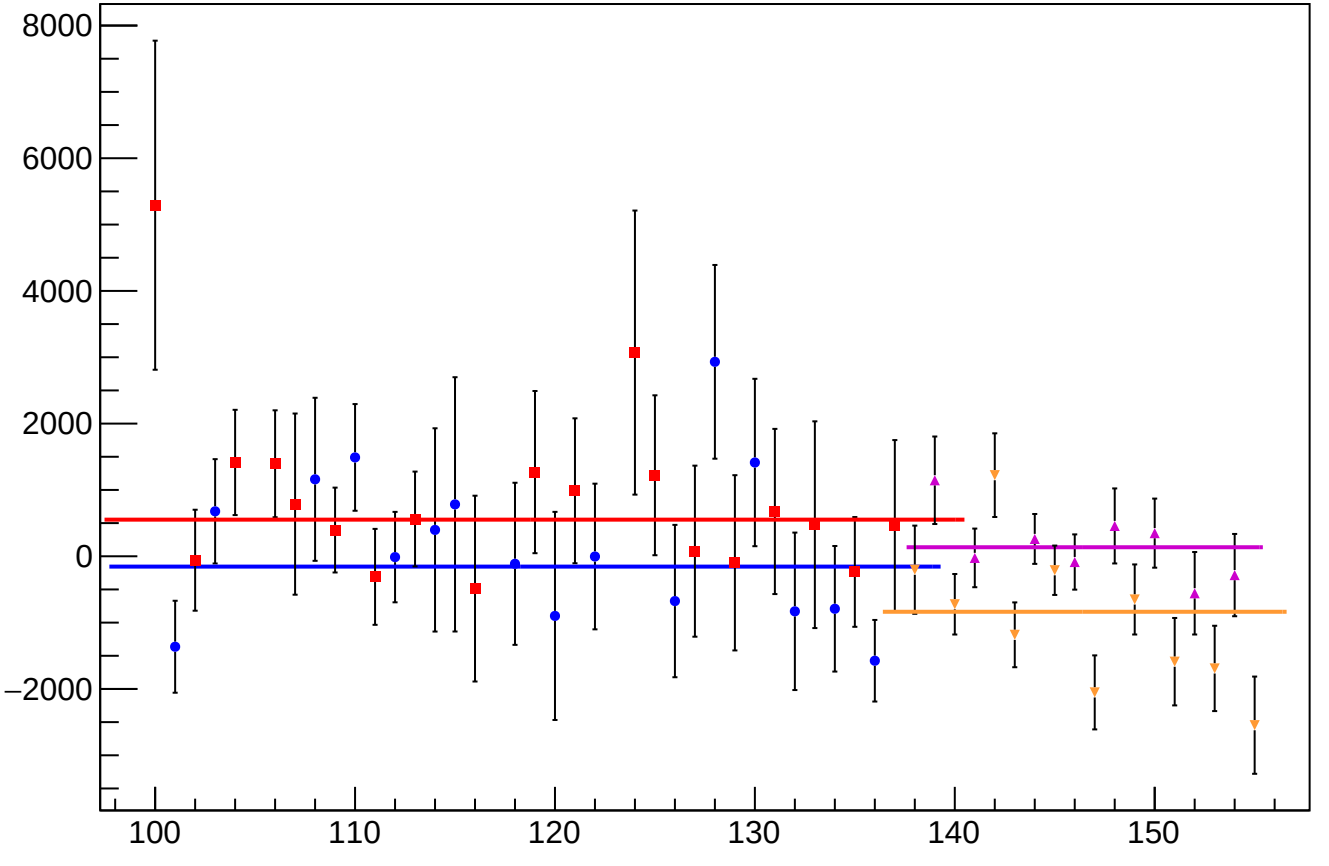
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 517.809+/-0.101 χ^2/NDF:1911956.4/23

Out: 511.136+/-0.096 χ^2/NDF:2130173.3/28

All: 514.307+/-0.070 χ^2/NDF: 4044422.4/52

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -836.506+/-170.557 χ^2/NDF:28.3/9

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 136.238+/-176.049 χ^2/NDF:5.1/7

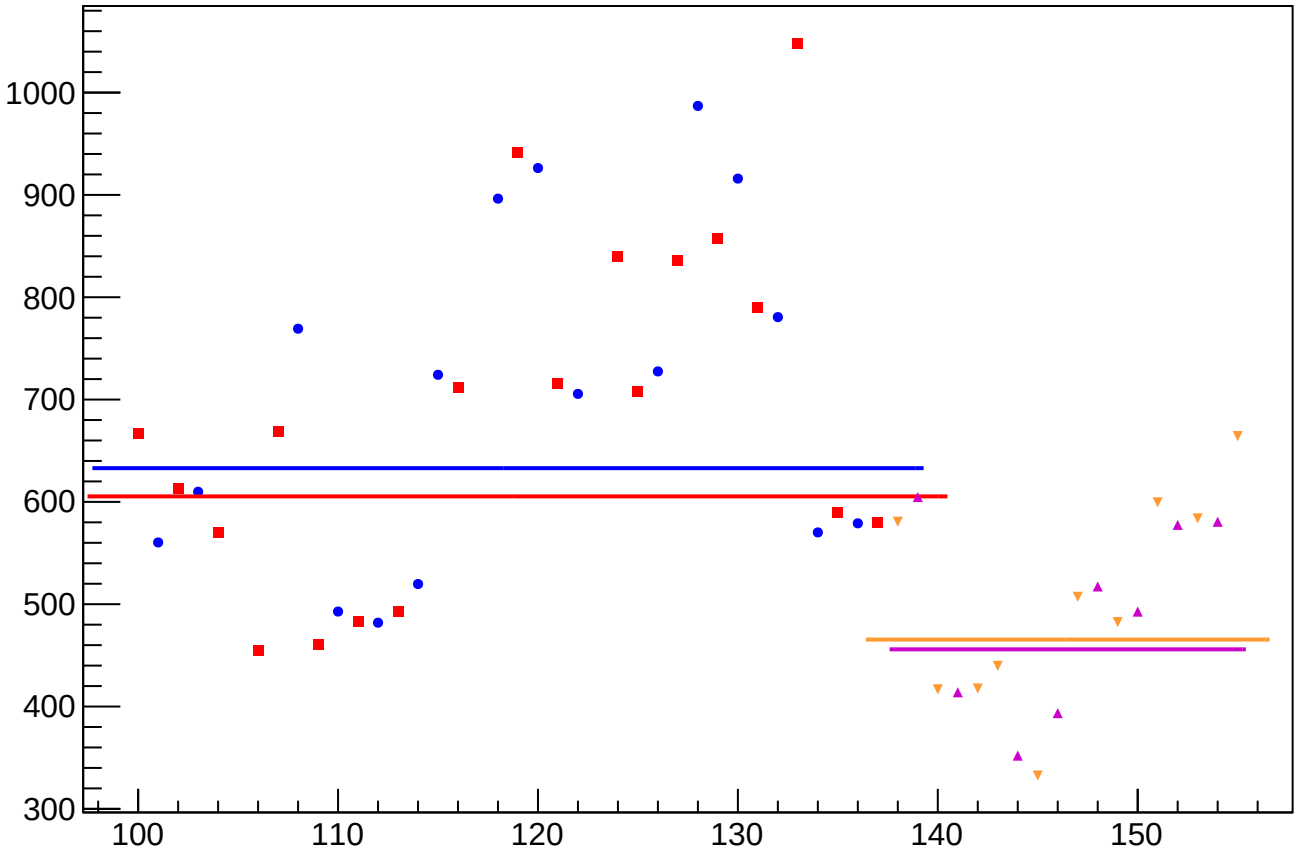
Left: -365.542+/-122.498 χ^2/NDF: 49.2/17

Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 35.548+/-142.484 χ^2/NDF:28.5/23

Out: -340.725+/-136.764 χ^2/NDF:64.1/28

All: -160.294+/-98.667 χ^2/NDF: 96.3/52



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 465.446+/-0.121 χ^2/NDF:666195.2/9

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 455.894+/-0.124 χ^2/NDF:508401.9/7

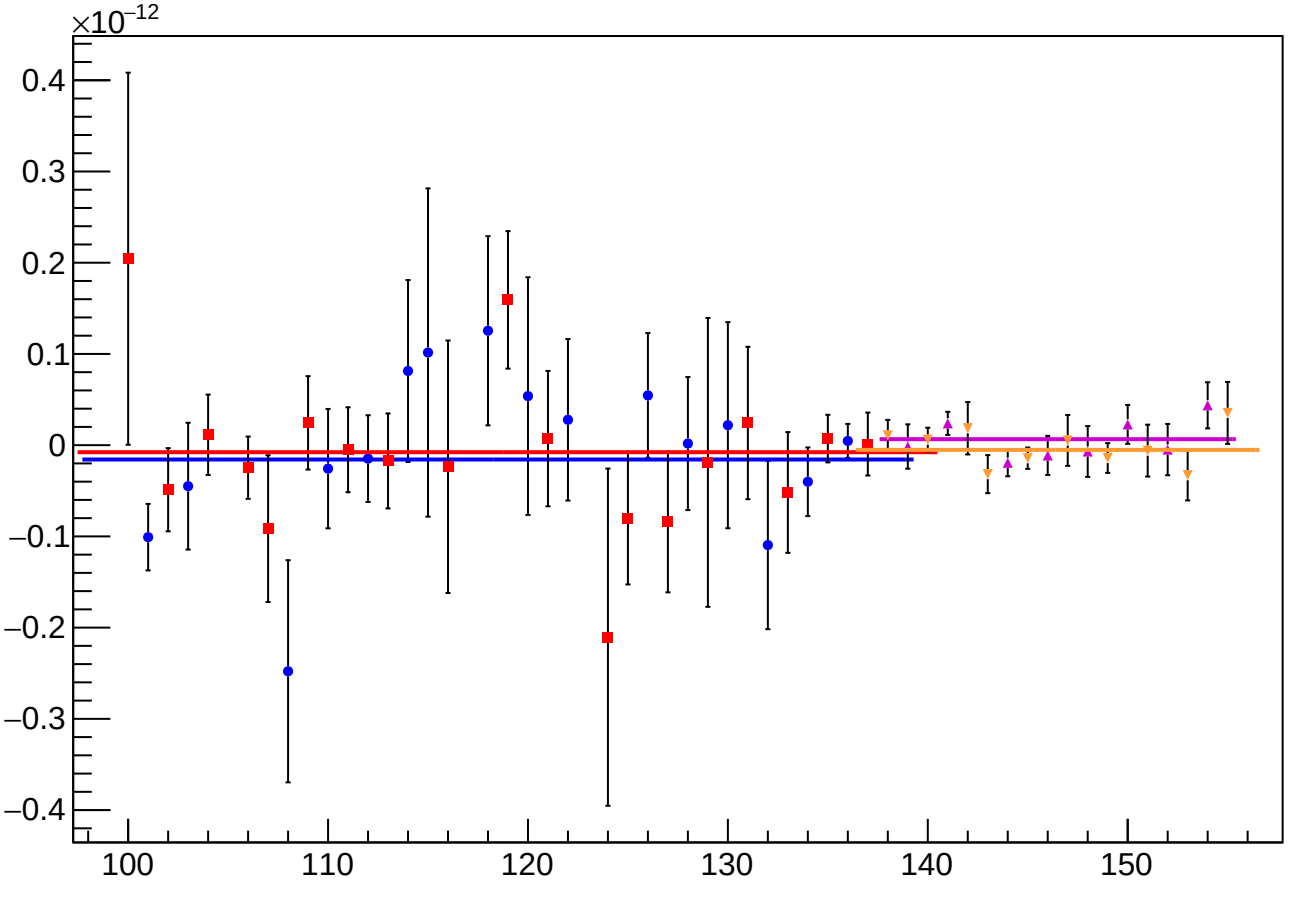
Left: 460.821+/-0.087 χ^2/NDF: 1177633.9/17

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 516.977+/-0.101 χ^2/NDF:1887503.7/23

Out: 515.402+/-0.097 χ^2/NDF:2000787.3/28

All: 516.157+/-0.070 χ^2/NDF: 3888418.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.4/9

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/7

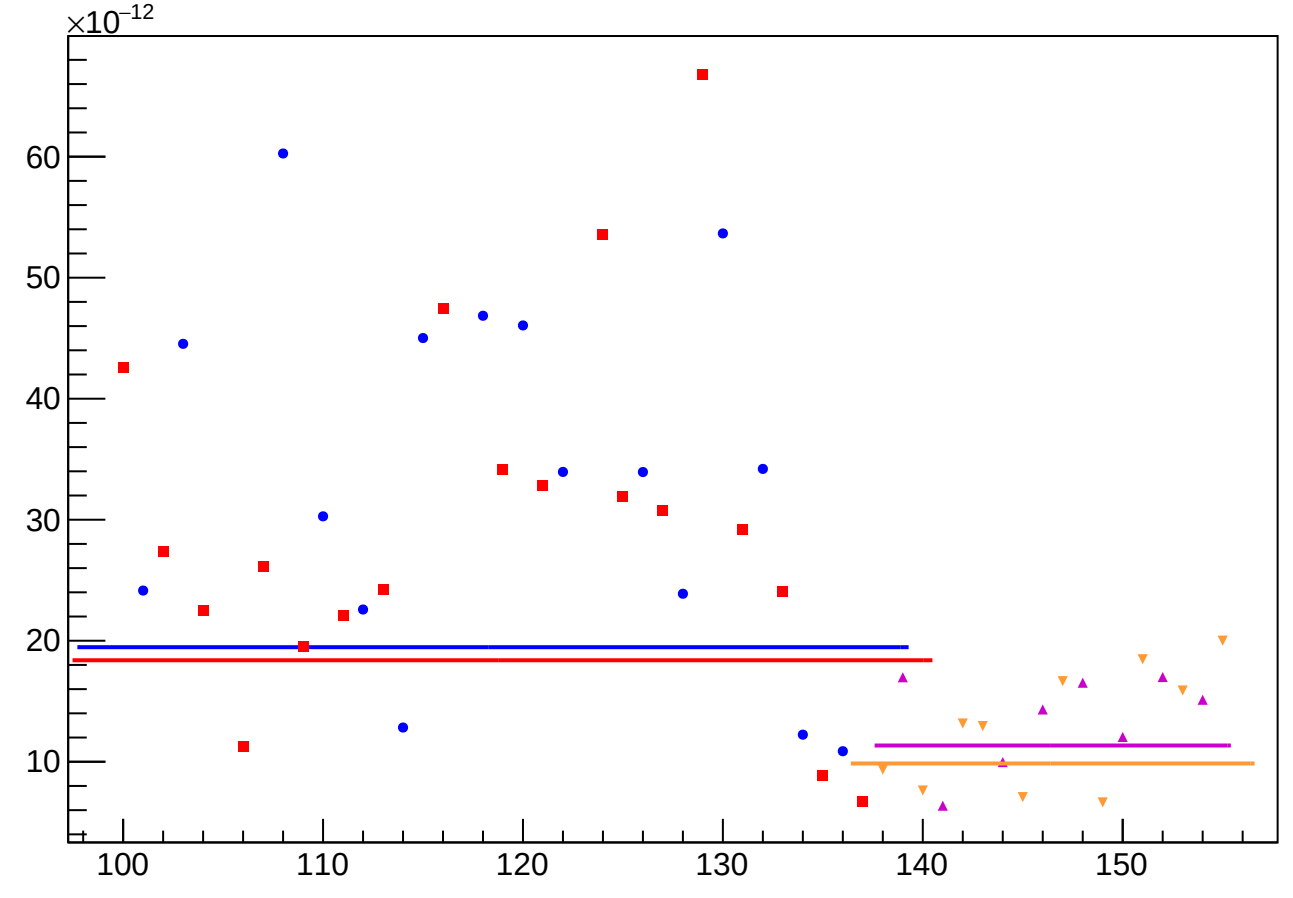
Left: -0.000+/-0.000 χ^2/NDF: 17.9/17

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:28.2/23

Out: -0.000+/-0.000 χ^2/NDF:20.4/28

All: -0.000+/-0.000 χ^2/NDF: 49.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:895787.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:669104.1/7

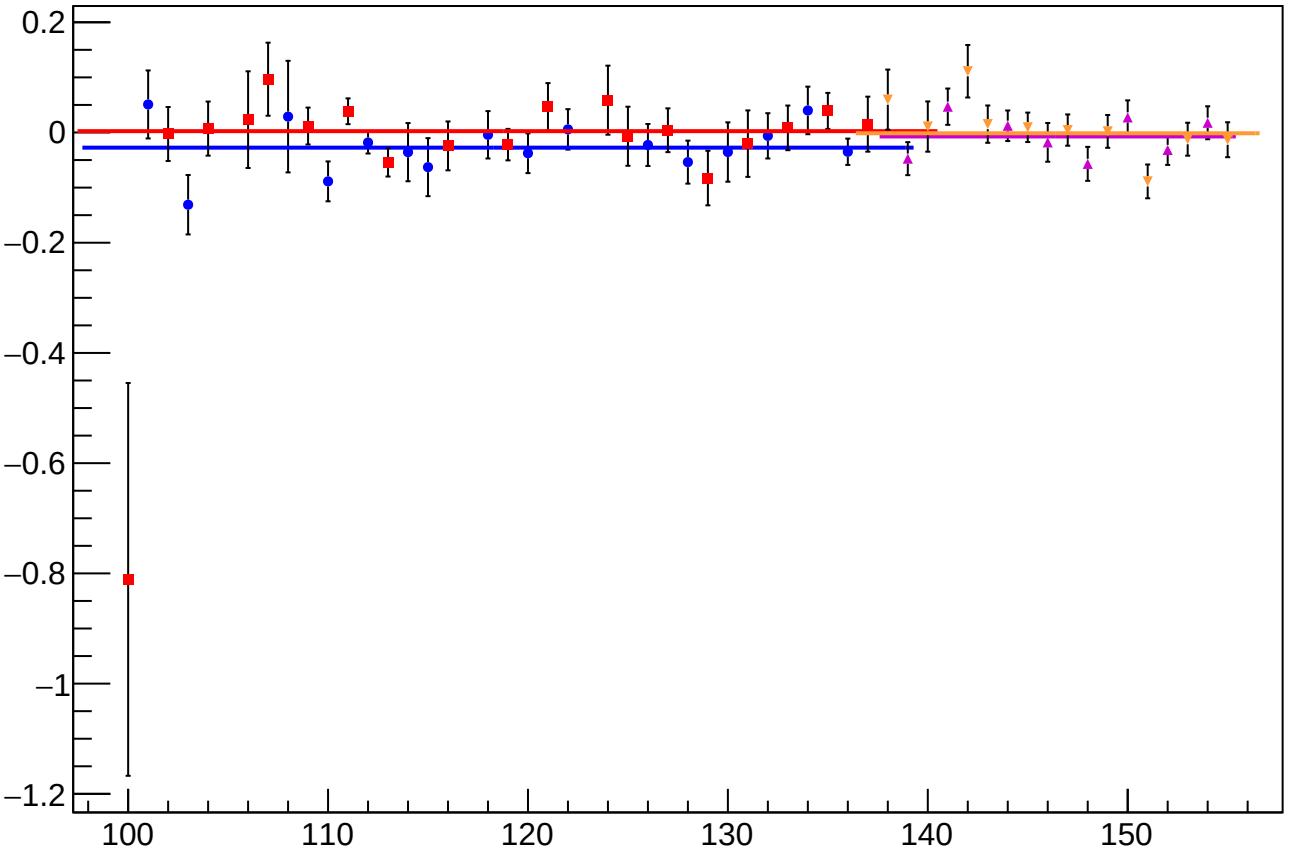
Left: 0.000+/-0.000 χ^2/NDF: 1618223.4/17

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:3043472.1/23

Out: 0.000+/-0.000 χ^2/NDF:3136084.6/28

All: 0.000+/-0.000 χ^2/NDF: 6271320.9/52



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: -0.001+/-0.010 χ^2/NDF:15.8/9

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.007+/-0.011 χ^2/NDF:10.4/7

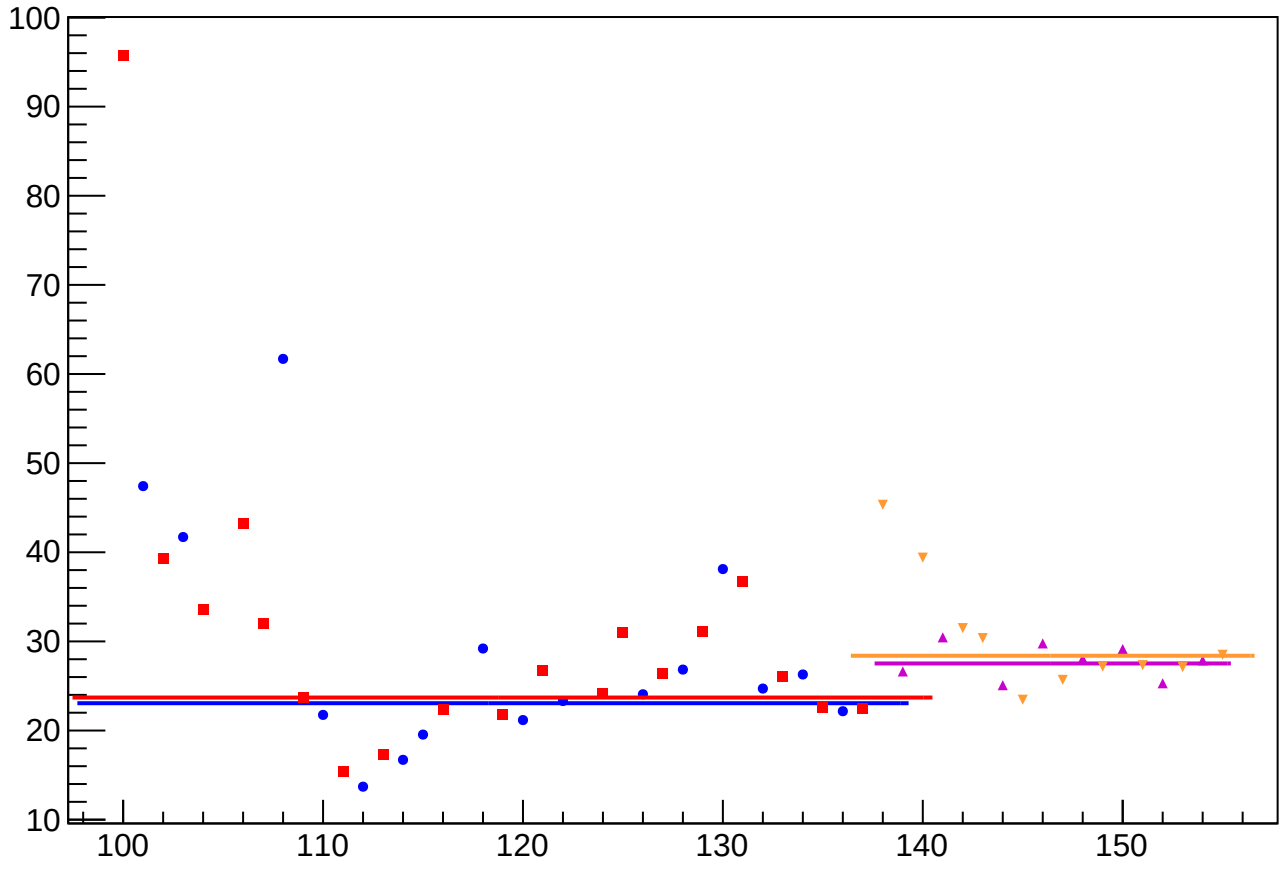
Left: -0.004+/-0.007 χ^2/NDF: 26.3/17

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.019+/-0.007 χ^2/NDF:26.1/23

Out: 0.001+/-0.007 χ^2/NDF:37.9/28

All: -0.009+/-0.005 χ^2/NDF: 67.9/52



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.392+/-0.007 χ^2/NDF:420537.9/9

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.527+/-0.008 χ^2/NDF:60922.7/7

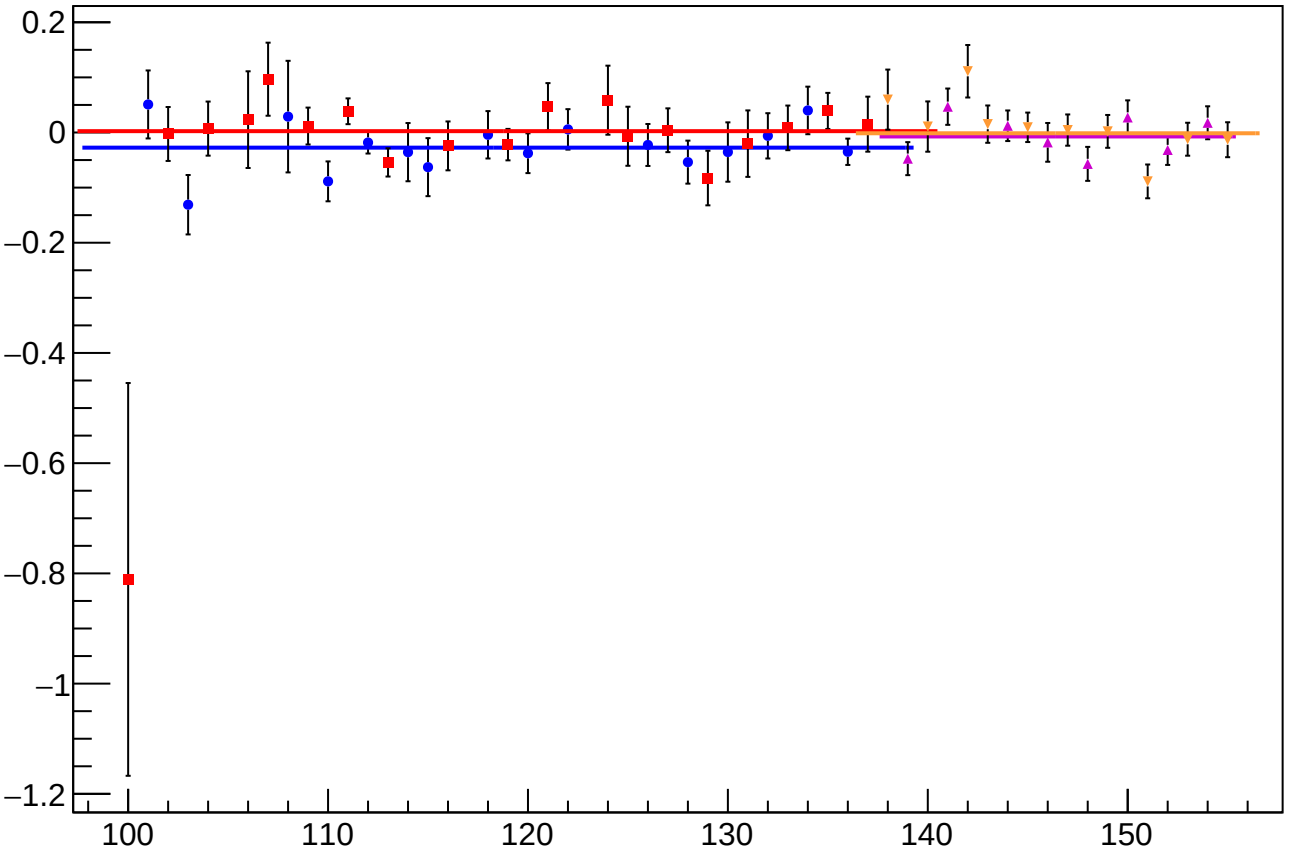
Left: 27.968+/-0.005 χ^2/NDF: 488111.0/17

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.004+/-0.005 χ^2/NDF:1821368.9/23

Out: 25.763+/-0.005 χ^2/NDF:1732862.4/28

All: 25.389+/-0.004 χ^2/NDF: 3565947.7/52



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: -0.001+/-0.010 χ^2/NDF:15.8/9

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.007+/-0.011 χ^2/NDF:10.4/7

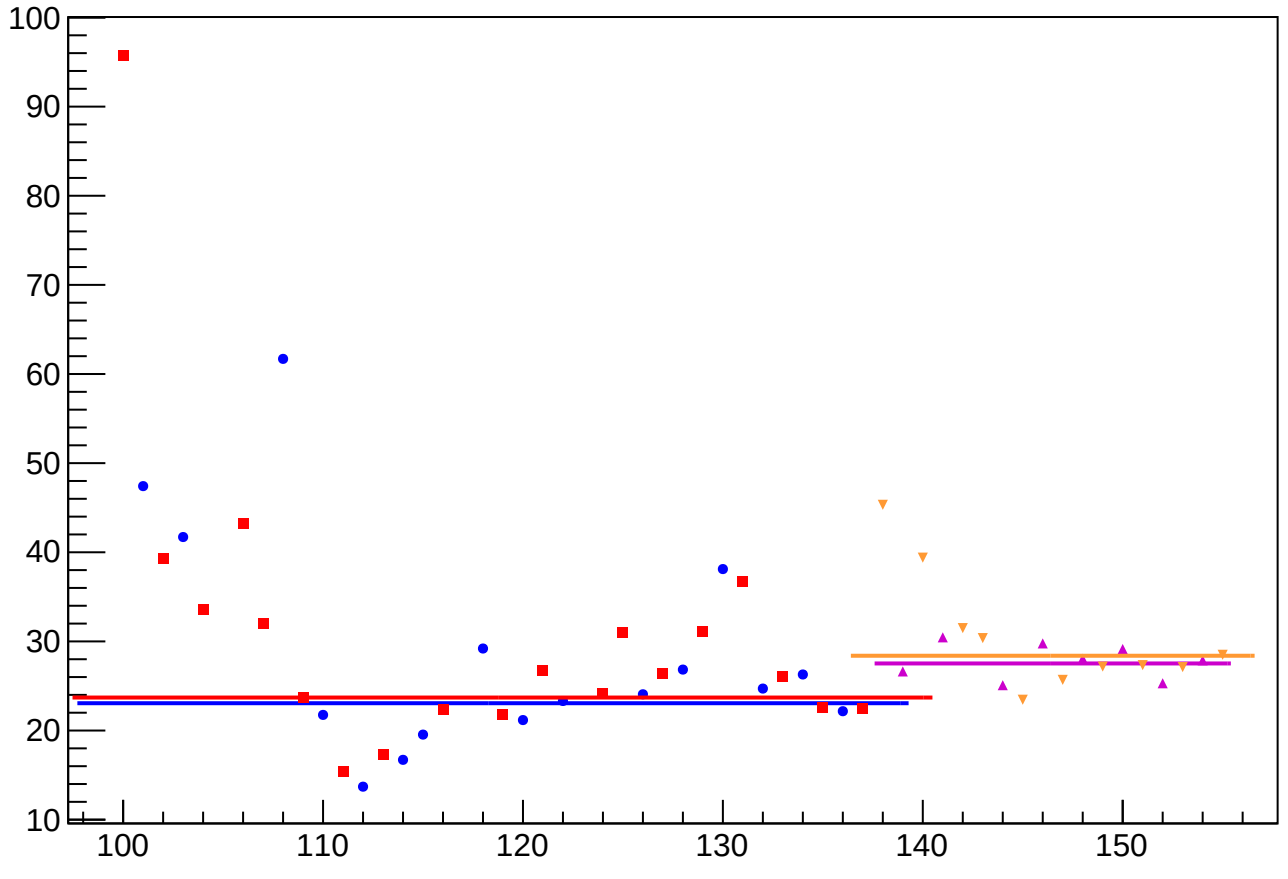
Left: -0.004+/-0.007 χ^2/NDF: 26.3/17

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.019+/-0.007 χ^2/NDF:26.1/23

Out: 0.001+/-0.007 χ^2/NDF:37.9/28

All: -0.009+/-0.005 χ^2/NDF: 67.9/52



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.392+/-0.007 χ^2/NDF:420537.9/9

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.527+/-0.008 χ^2/NDF:60922.7/7

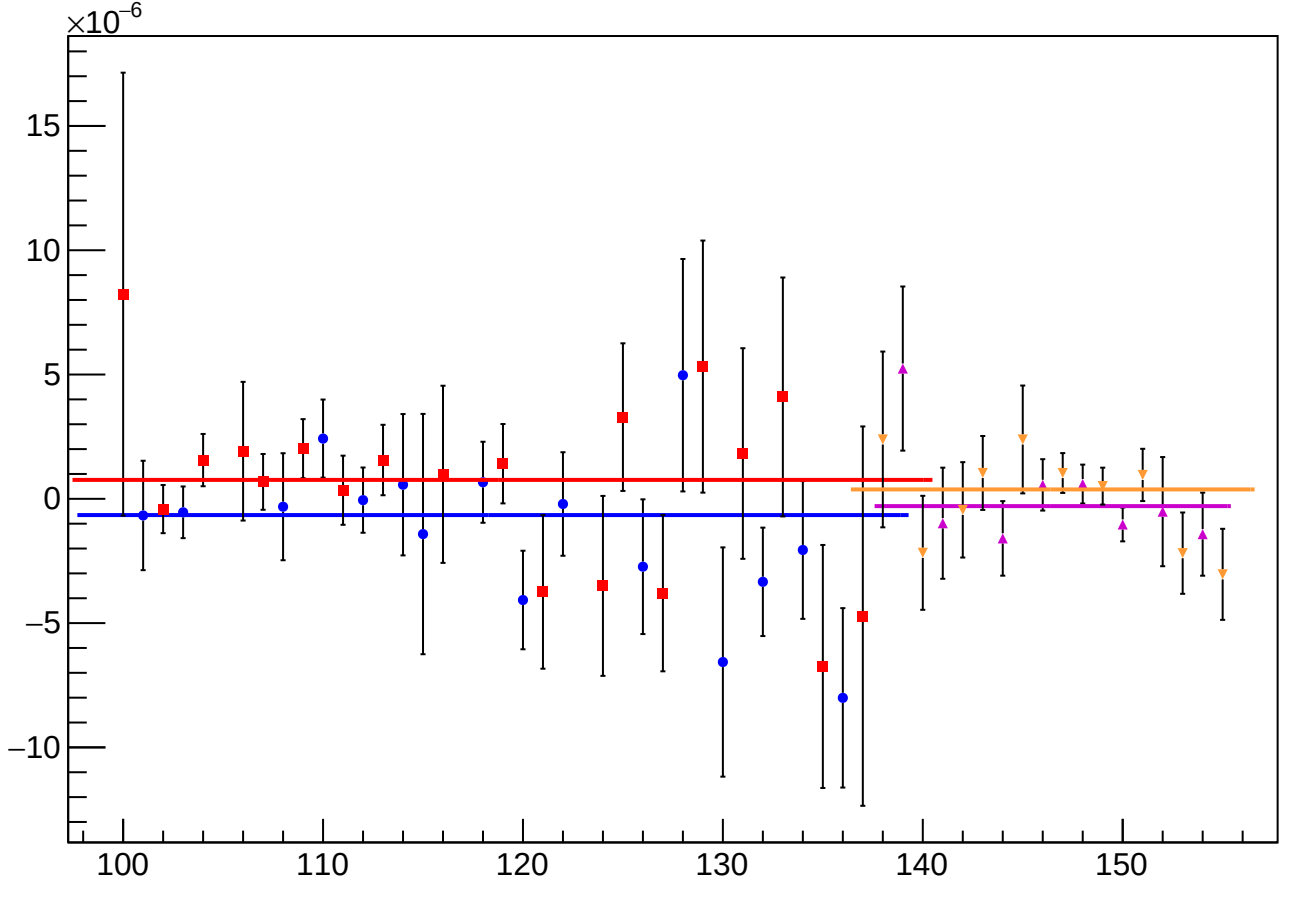
Left: 27.968+/-0.005 χ^2/NDF: 488111.0/17

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.004+/-0.005 χ^2/NDF:1821368.9/23

Out: 25.763+/-0.005 χ^2/NDF:1732862.4/28

All: 25.389+/-0.004 χ^2/NDF: 3565947.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/7

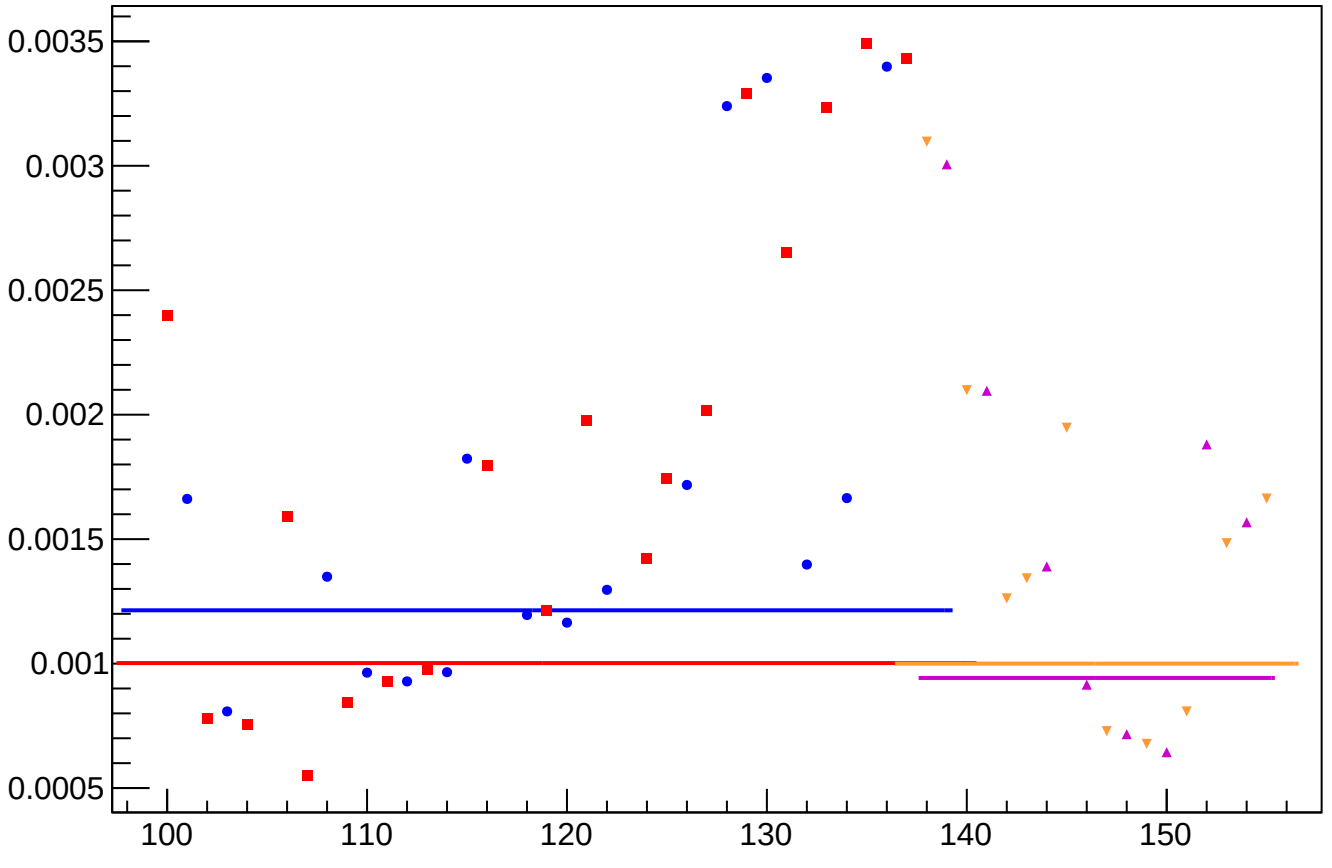
Left: 0.000+/-0.000 χ^2/NDF: 18.4/17

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:25.1/23

Out: 0.000+/-0.000 χ^2/NDF:25.4/28

All: 0.000+/-0.000 χ^2/NDF: 55.9/52



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:2798943.7/9

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:2690260.0/7

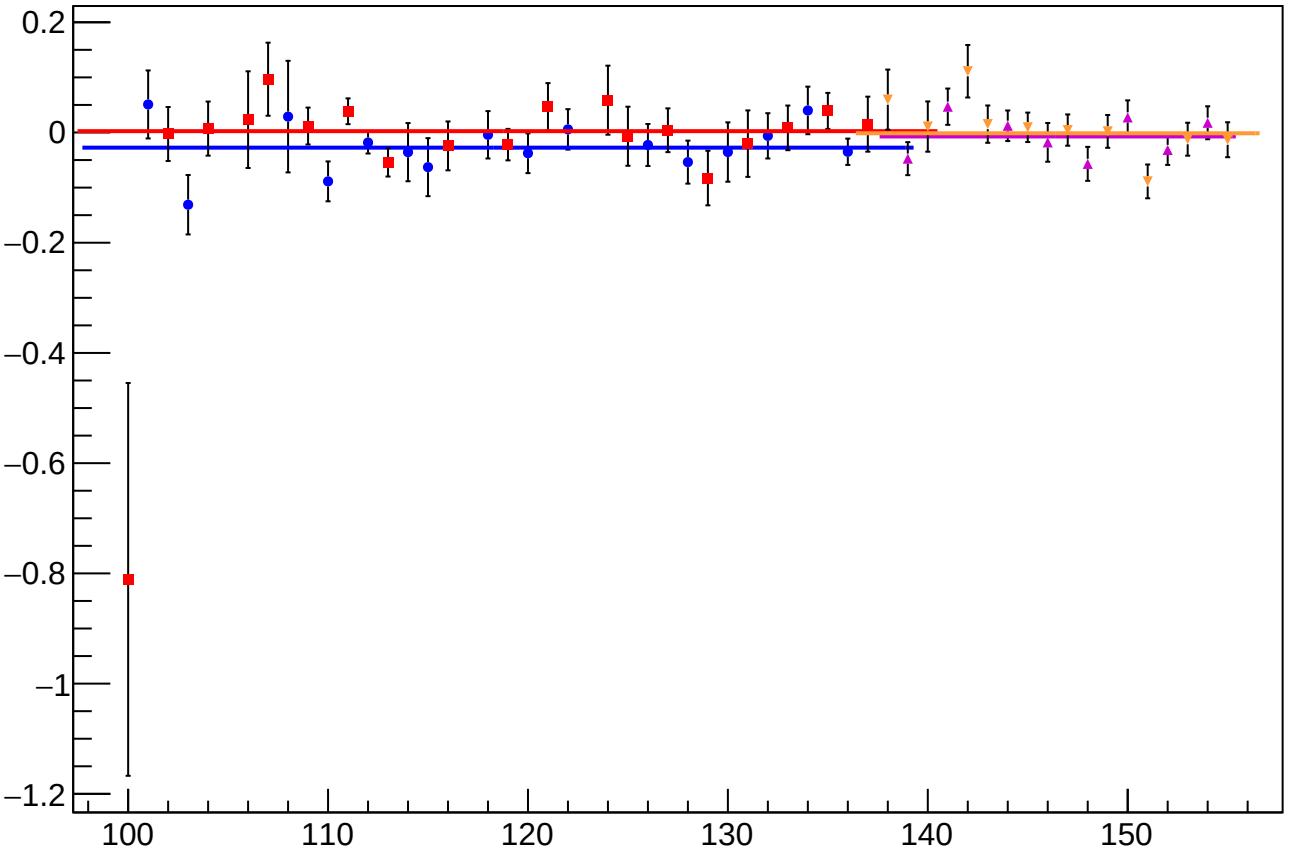
Left: 0.001+/-0.000 χ^2/NDF: 5509363.3/17

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:5313154.8/23

Out: 0.001+/-0.000 χ^2/NDF:6076199.6/28

All: 0.001+/-0.000 χ^2/NDF: 11416382.0/52



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: -0.001+/-0.010 χ^2/NDF:15.8/9

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.007+/-0.011 χ^2/NDF:10.4/7

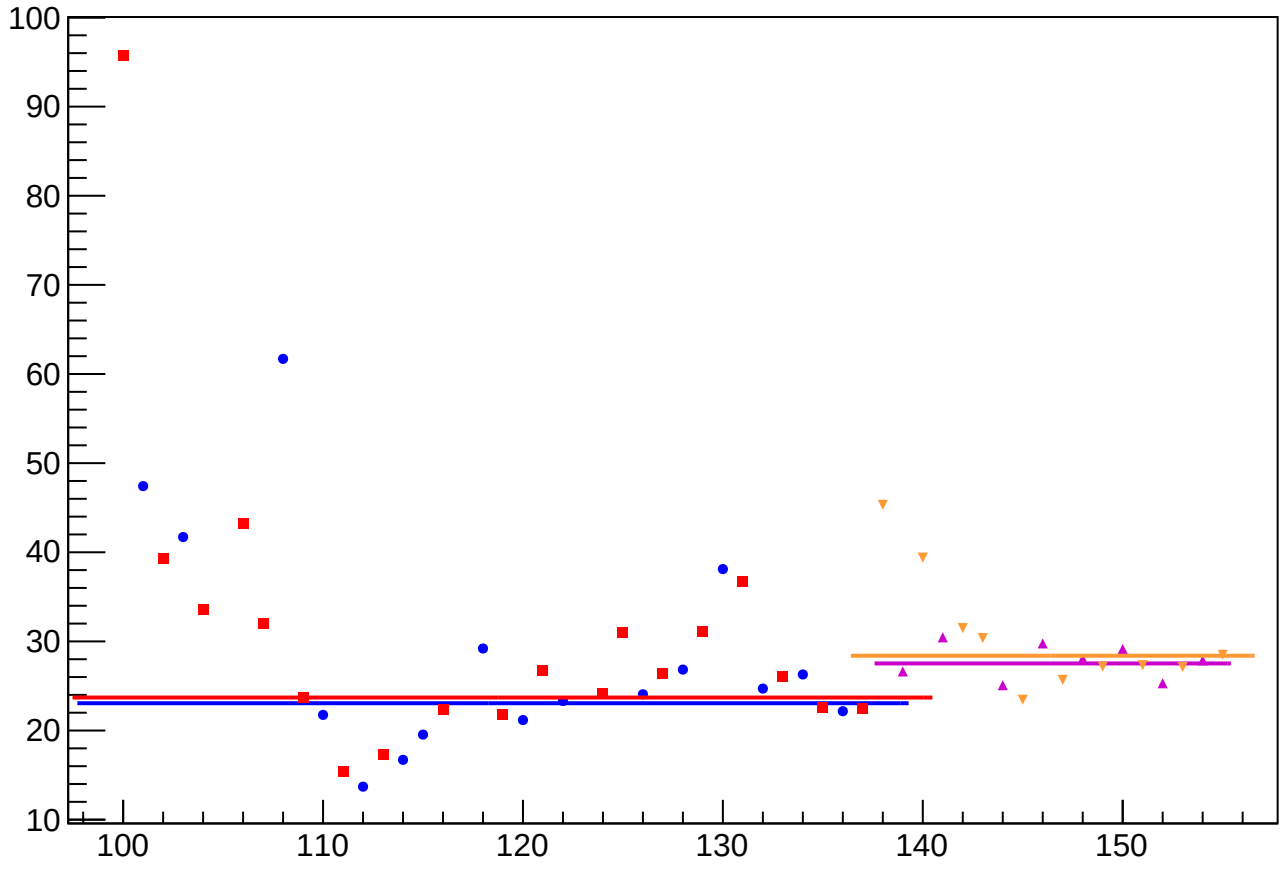
Left: -0.004+/-0.007 χ^2/NDF: 26.3/17

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.019+/-0.007 χ^2/NDF:26.1/23

Out: 0.001+/-0.007 χ^2/NDF:37.9/28

All: -0.009+/-0.005 χ^2/NDF: 67.9/52



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.392+/-0.007 χ^2/NDF:420498.5/9

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.527+/-0.008 χ^2/NDF:60914.5/7

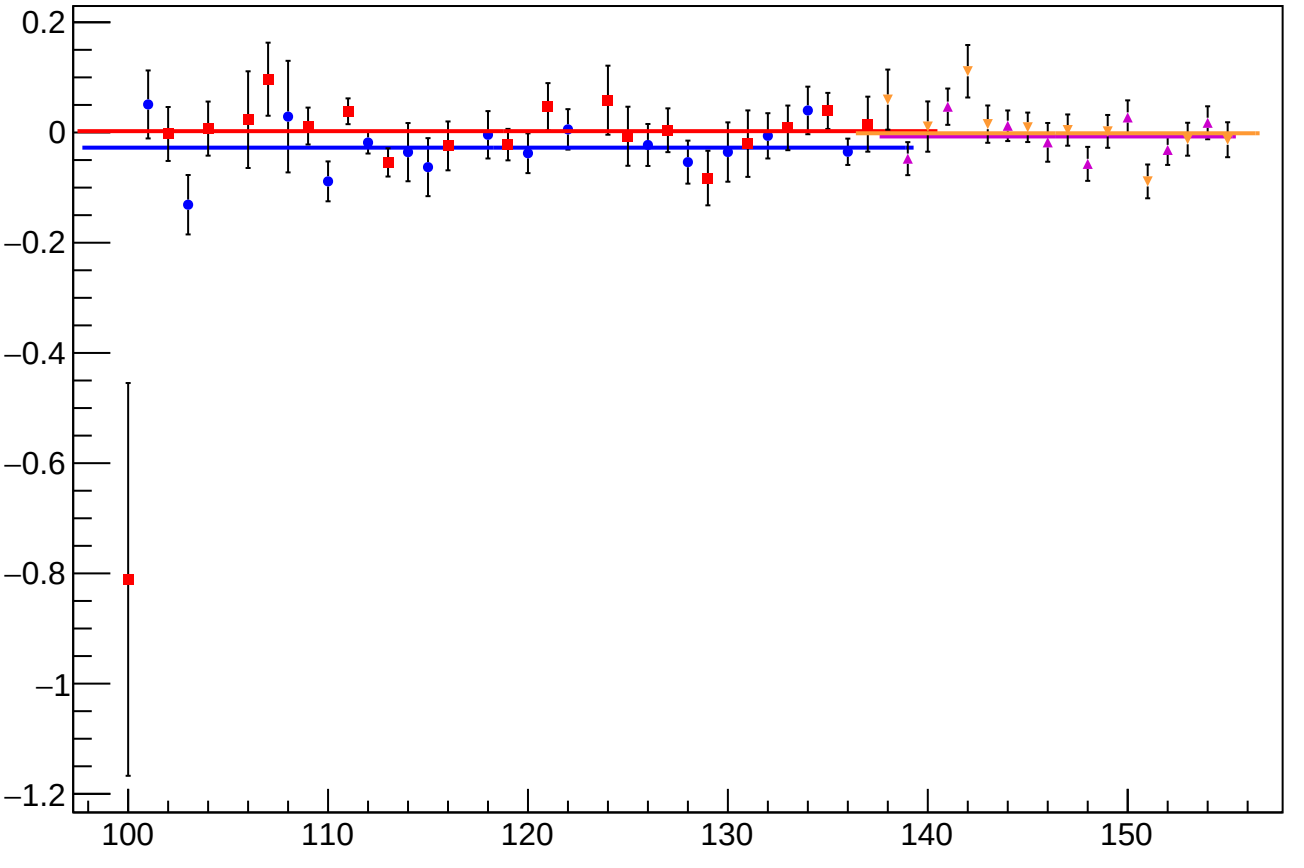
Left: 27.968+/-0.005 χ^2/NDF: 488066.0/17

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.004+/-0.005 χ^2/NDF:1821407.5/23

Out: 25.763+/-0.005 χ^2/NDF:1732915.8/28

All: 25.389+/-0.004 χ^2/NDF: 3566041.0/52



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: -0.001+/-0.010 χ^2/NDF:15.8/9

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.007+/-0.011 χ^2/NDF:10.4/7

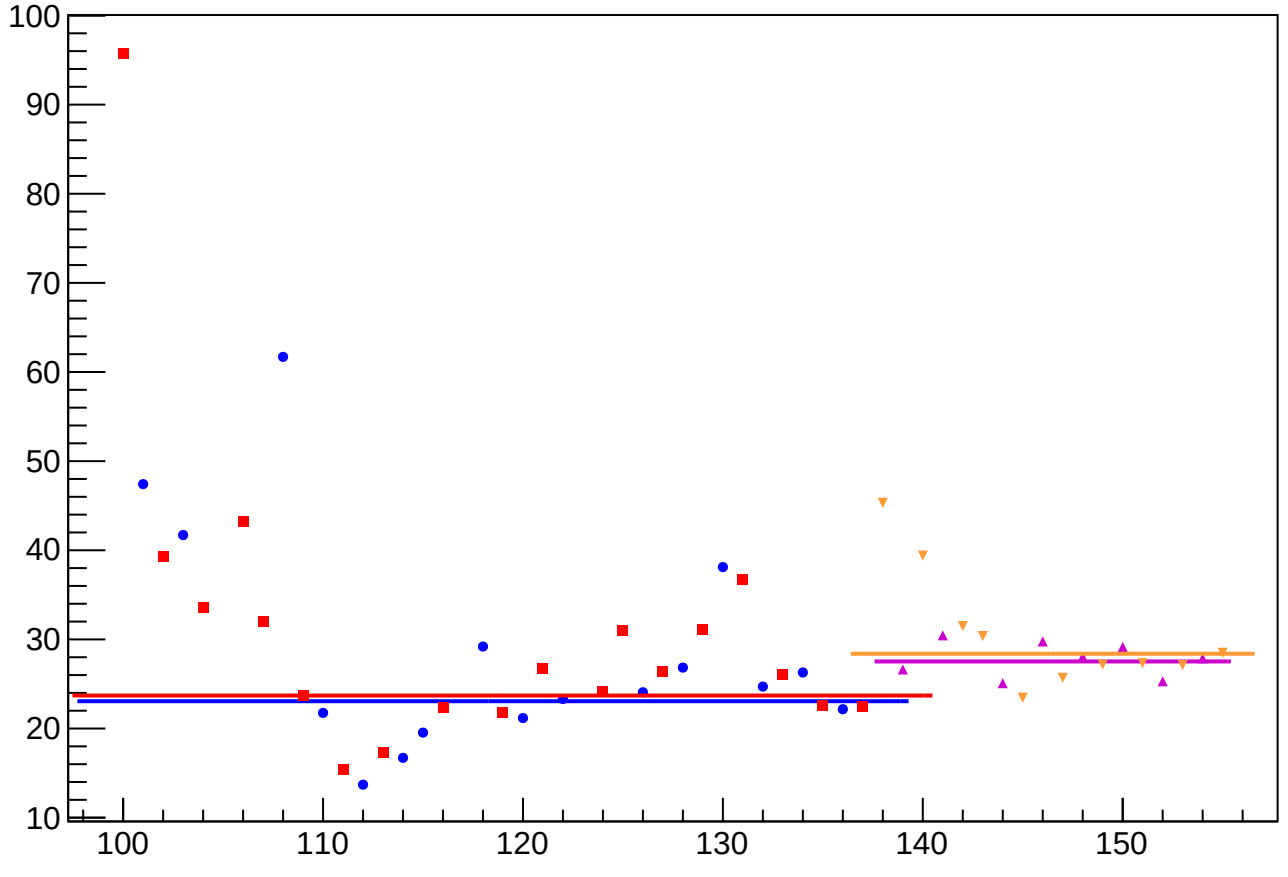
Left: -0.004+/-0.007 χ^2/NDF: 26.3/17

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.019+/-0.007 χ^2/NDF:26.1/23

Out: 0.001+/-0.007 χ^2/NDF:37.9/28

All: -0.009+/-0.005 χ^2/NDF: 67.9/52



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.392+/-0.007 χ^2/NDF:420498.5/9

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.527+/-0.008 χ^2/NDF:60914.5/7

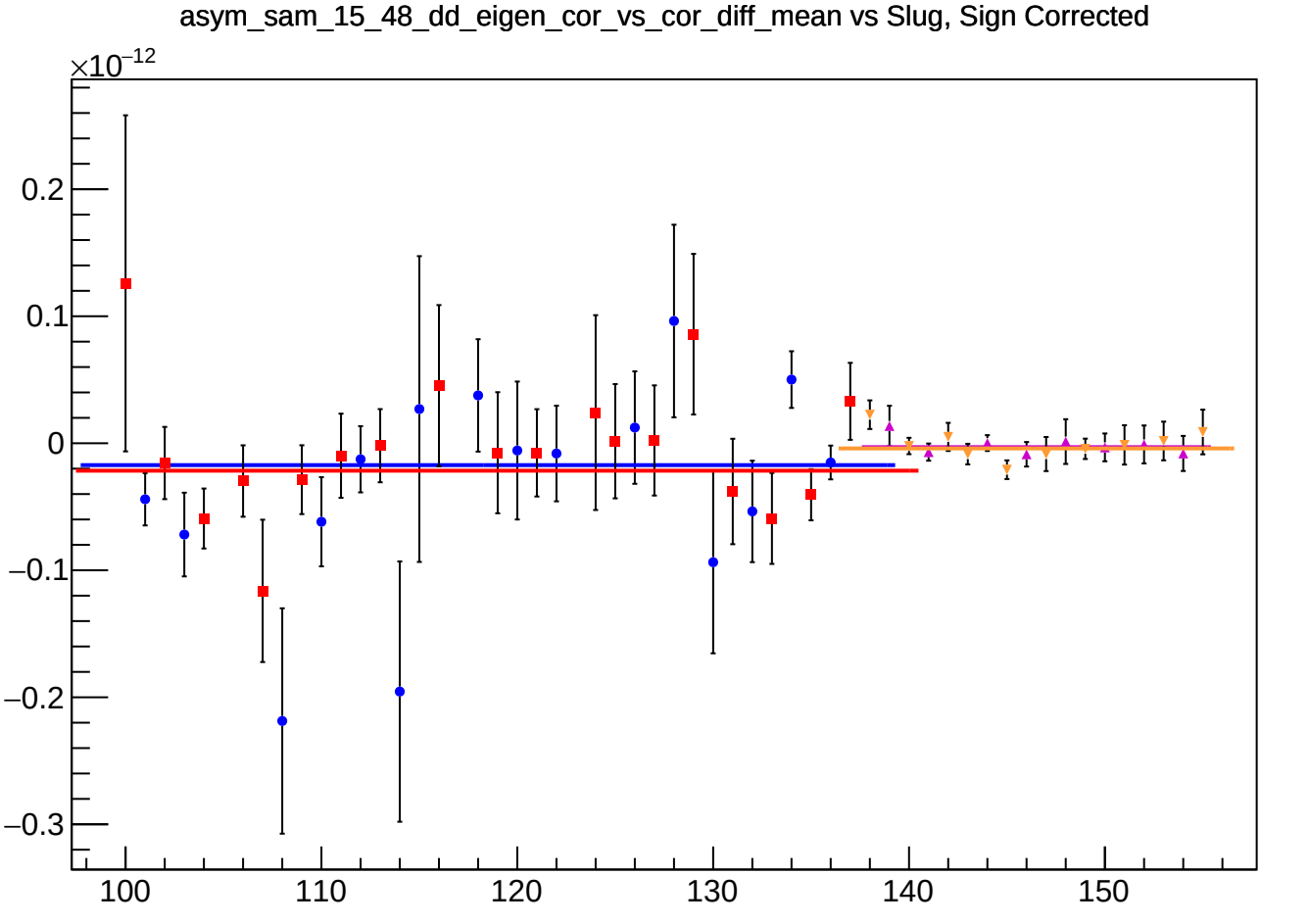
Left: 27.968+/-0.005 χ^2/NDF: 488066.0/17

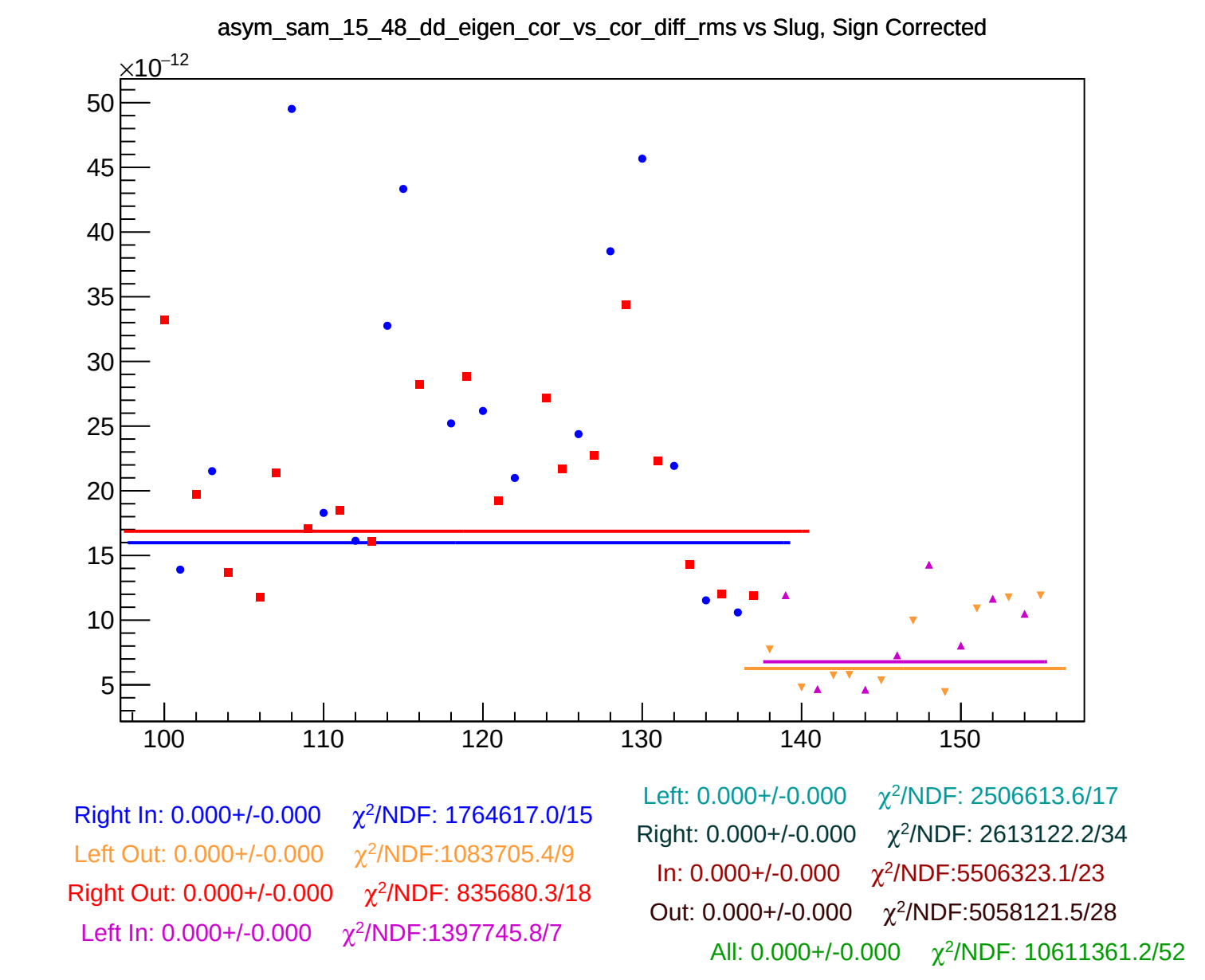
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

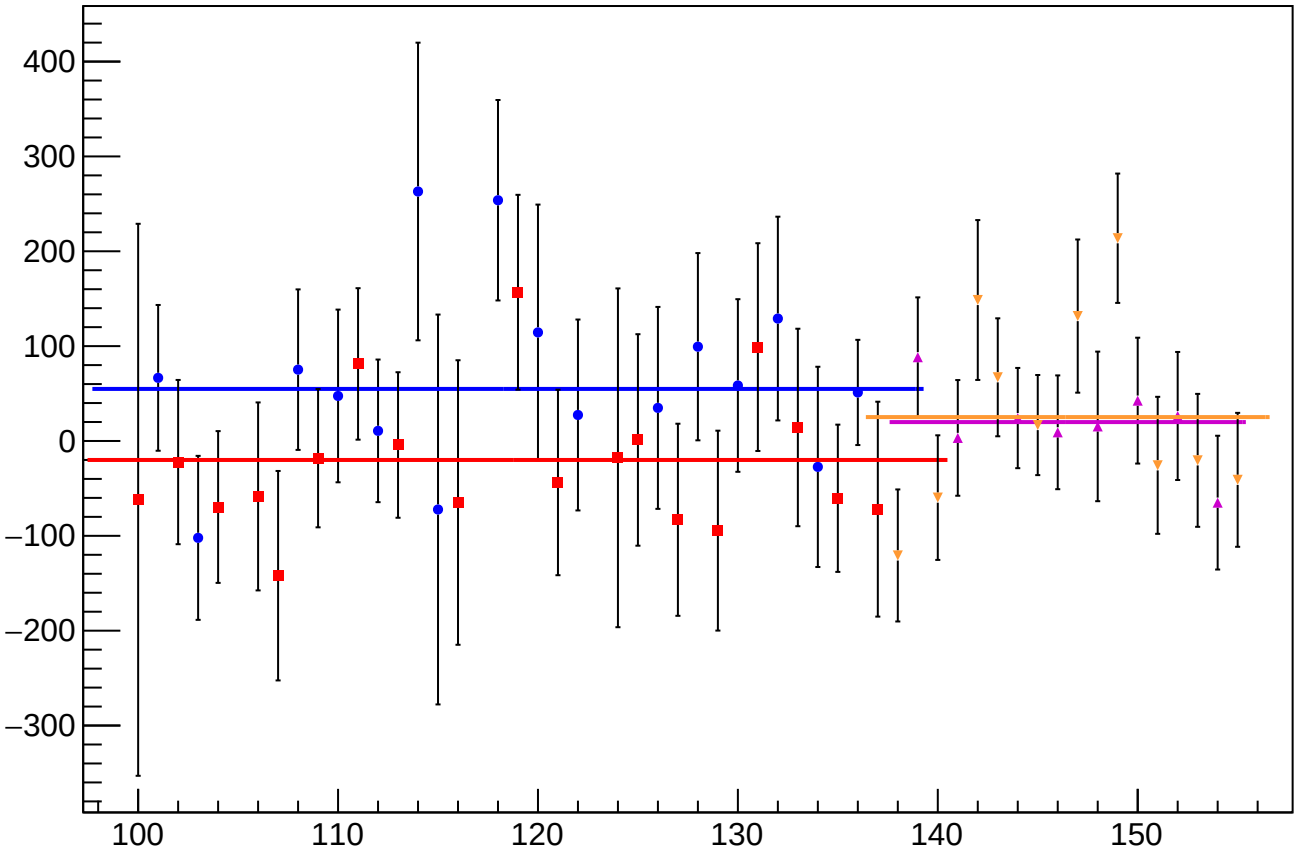
In: 25.004+/-0.005 χ^2/NDF:1821407.5/23

Out: 25.763+/-0.005 χ^2/NDF:1732915.8/28

All: 25.389+/-0.004 χ^2/NDF: 3566041.0/52


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 29.9/15
Left Out: -0.000+/-0.000 χ²/NDF:12.6/9
Right Out: -0.000+/-0.000 χ²/NDF: 18.0/18
Left In: -0.000+/-0.000 χ²/NDF:2.3/7
Left: -0.000+/-0.000 χ²/NDF: 14.9/17
Right: -0.000+/-0.000 χ²/NDF: 48.0/34
In: -0.000+/-0.000 χ²/NDF:34.9/23
Out: -0.000+/-0.000 χ²/NDF:34.9/28
All: -0.000+/-0.000 χ²/NDF: 69.9/52


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1083705.4/9
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:1397745.8/7
Left: 0.000+/-0.000 χ²/NDF: 2506613.6/17
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:5506323.1/23
Out: 0.000+/-0.000 χ²/NDF:5058121.5/28
All: 0.000+/-0.000 χ²/NDF: 10611361.2/52



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 25.195+/-21.512 χ^2/NDF:19.9/9

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 19.916+/-22.560 χ^2/NDF:2.9/7

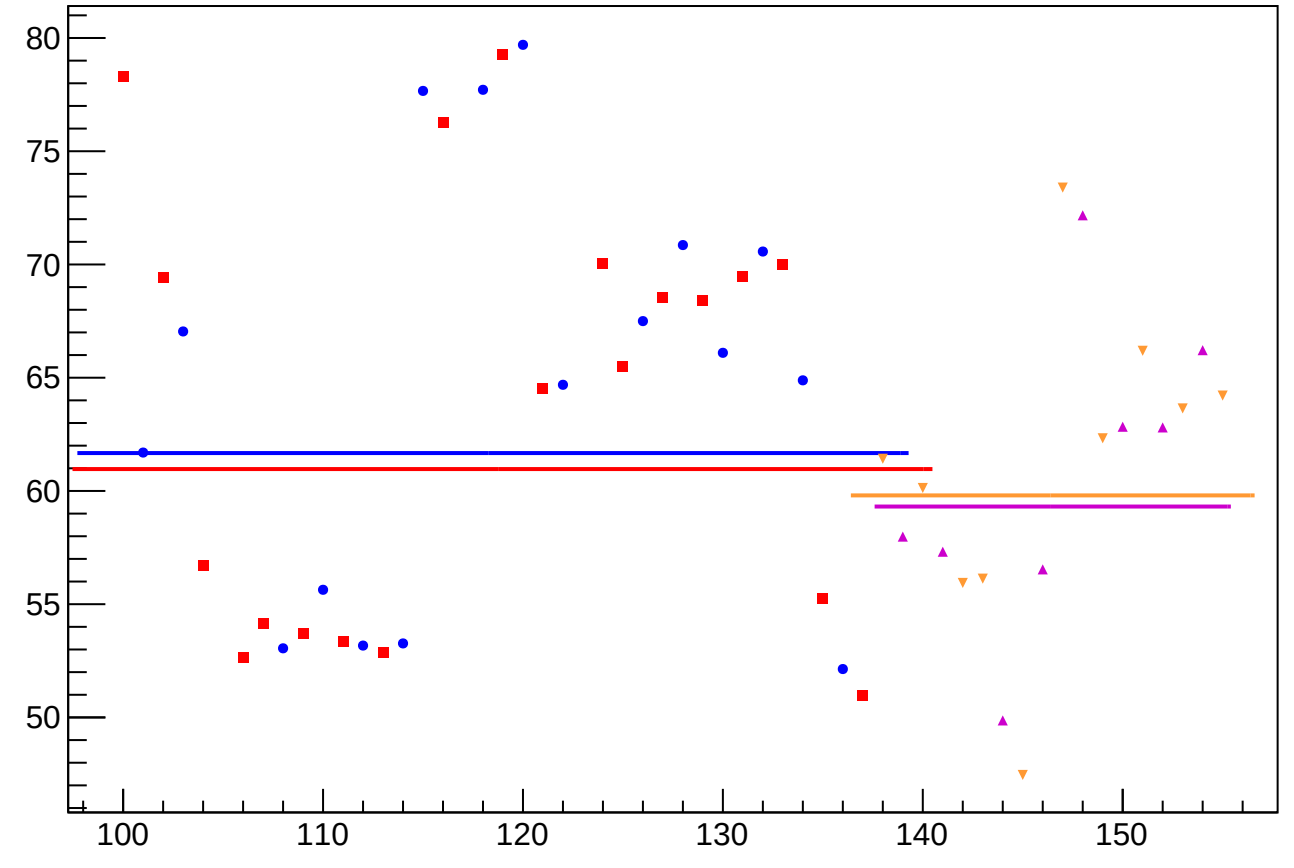
Left: 22.681+/-15.569 χ^2/NDF: 22.8/17

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 36.927+/-16.167 χ^2/NDF:15.1/23

Out: 3.673+/-15.572 χ^2/NDF:31.2/28

All: 19.677+/-11.215 χ^2/NDF: 48.5/52



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 59.804+/-0.015 χ^2/NDF:210559.8/9

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 59.312+/-0.016 χ^2/NDF:154537.0/7

Left: 59.570+/-0.011 χ^2/NDF: 365594.9/17

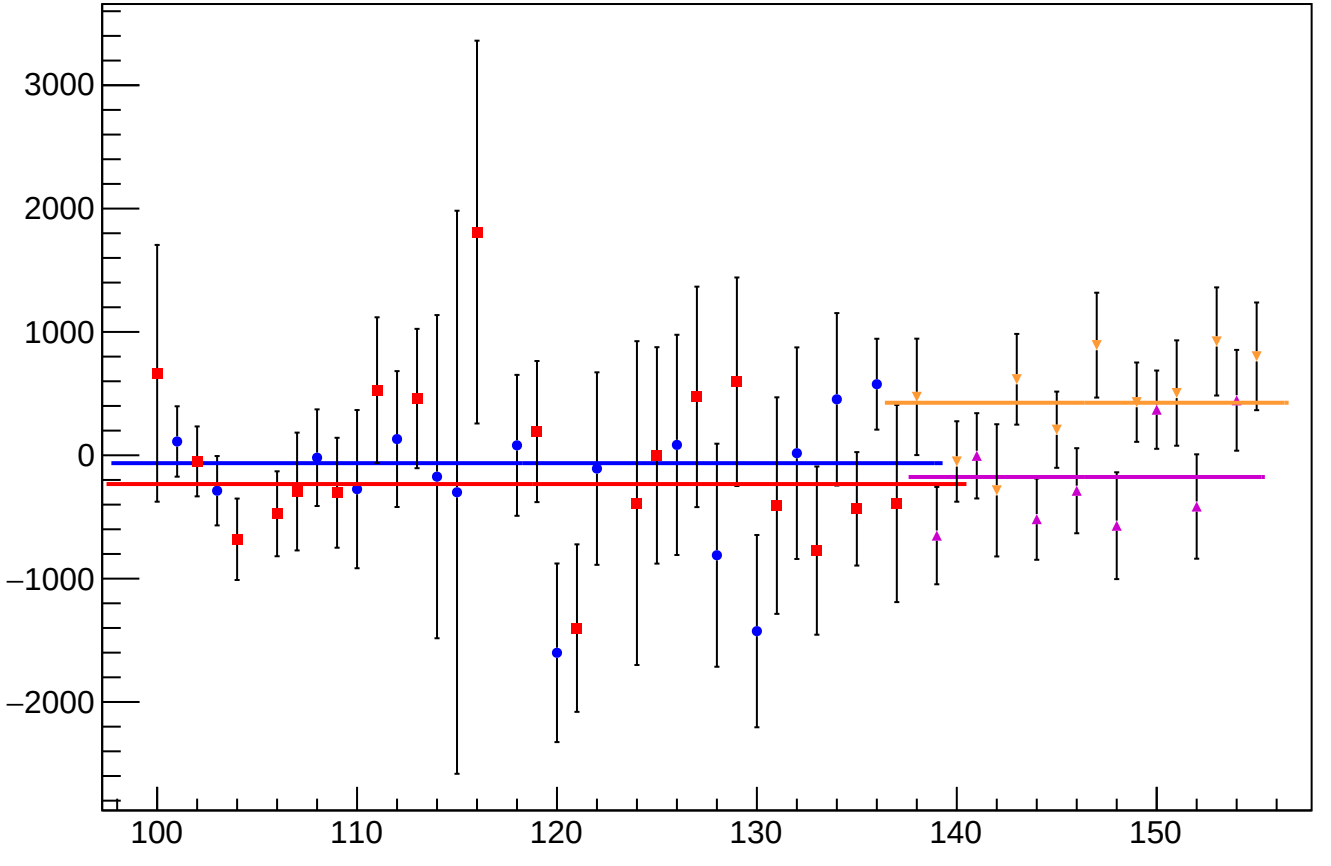
Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 60.460+/-0.011 χ^2/NDF:432301.7/23

Out: 60.357+/-0.011 χ^2/NDF:497524.4/28

All: 60.407+/-0.008 χ^2/NDF: 929868.3/52

asym_sam_37_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 425.933+/-122.736 χ^2/NDF:7.9/9

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -175.894+/-129.914 χ^2/NDF:9.3/7

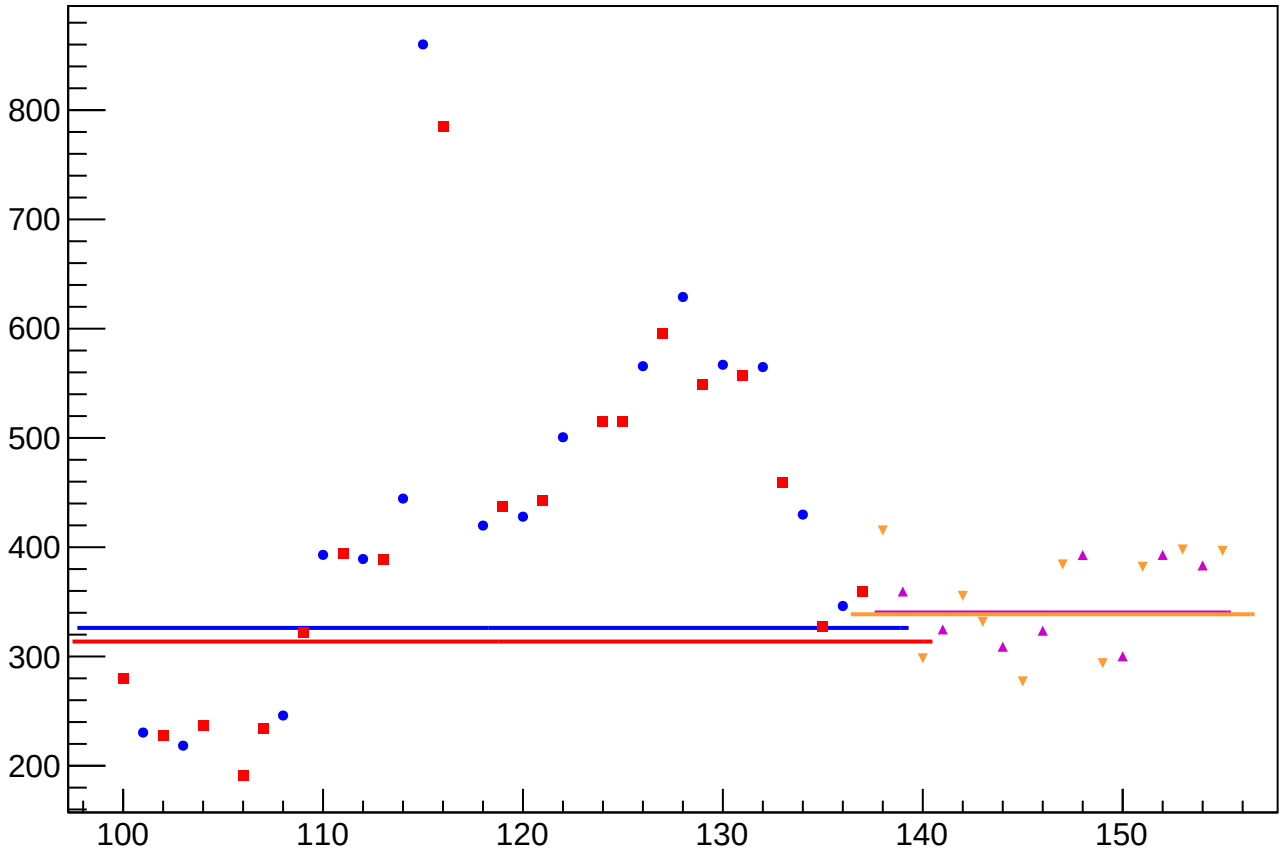
Left: 142.102+/-89.217 χ^2/NDF: 28.6/17

Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -119.761+/-91.778 χ^2/NDF:22.9/23

Out: 96.510+/-86.807 χ^2/NDF:36.9/28

All: -5.610+/-63.066 χ^2/NDF: 62.7/52



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 338.623+/-0.087 χ^2/NDF:319693.3/9

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 340.279+/-0.092 χ^2/NDF:146145.3/7

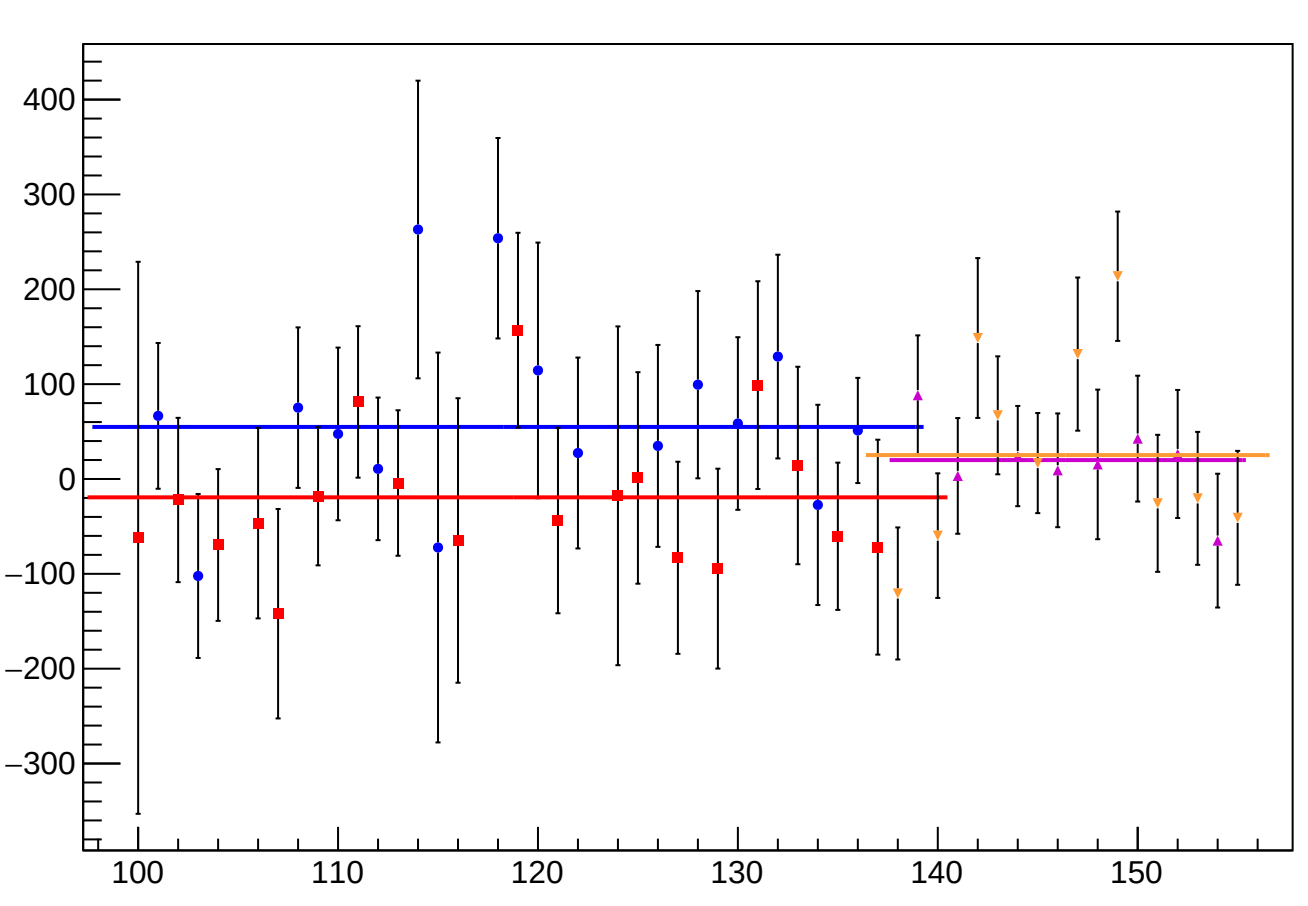
Left: 339.404+/-0.063 χ^2/NDF: 466010.2/17

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 333.200+/-0.065 χ^2/NDF:1891994.7/23

Out: 326.153+/-0.061 χ^2/NDF:2148350.3/28

All: 329.481+/-0.045 χ^2/NDF: 4046568.2/52



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 25.191+/-21.512 χ^2/NDF:19.9/9

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 19.916+/-22.560 χ^2/NDF:2.9/7

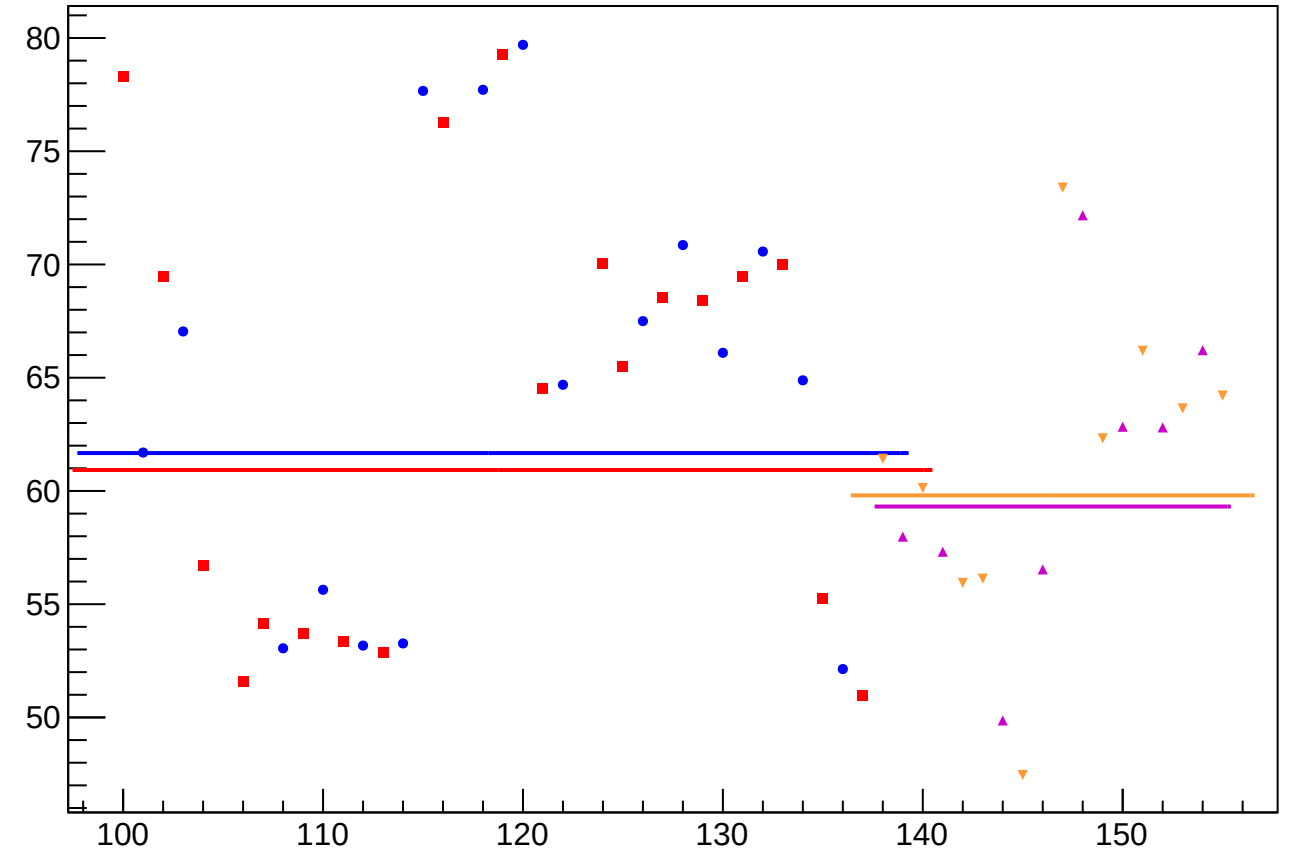
Left: 22.679+/-15.569 χ^2/NDF: 22.8/17

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 36.923+/-16.167 χ^2/NDF:15.1/23

Out: 4.005+/-15.578 χ^2/NDF:31.1/28

All: 19.854+/-11.218 χ^2/NDF: 48.3/52



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 59.804+/-0.015 χ^2/NDF:210559.8/9

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 59.312+/-0.016 χ^2/NDF:154537.1/7

Left: 59.570+/-0.011 χ^2/NDF: 365594.9/17

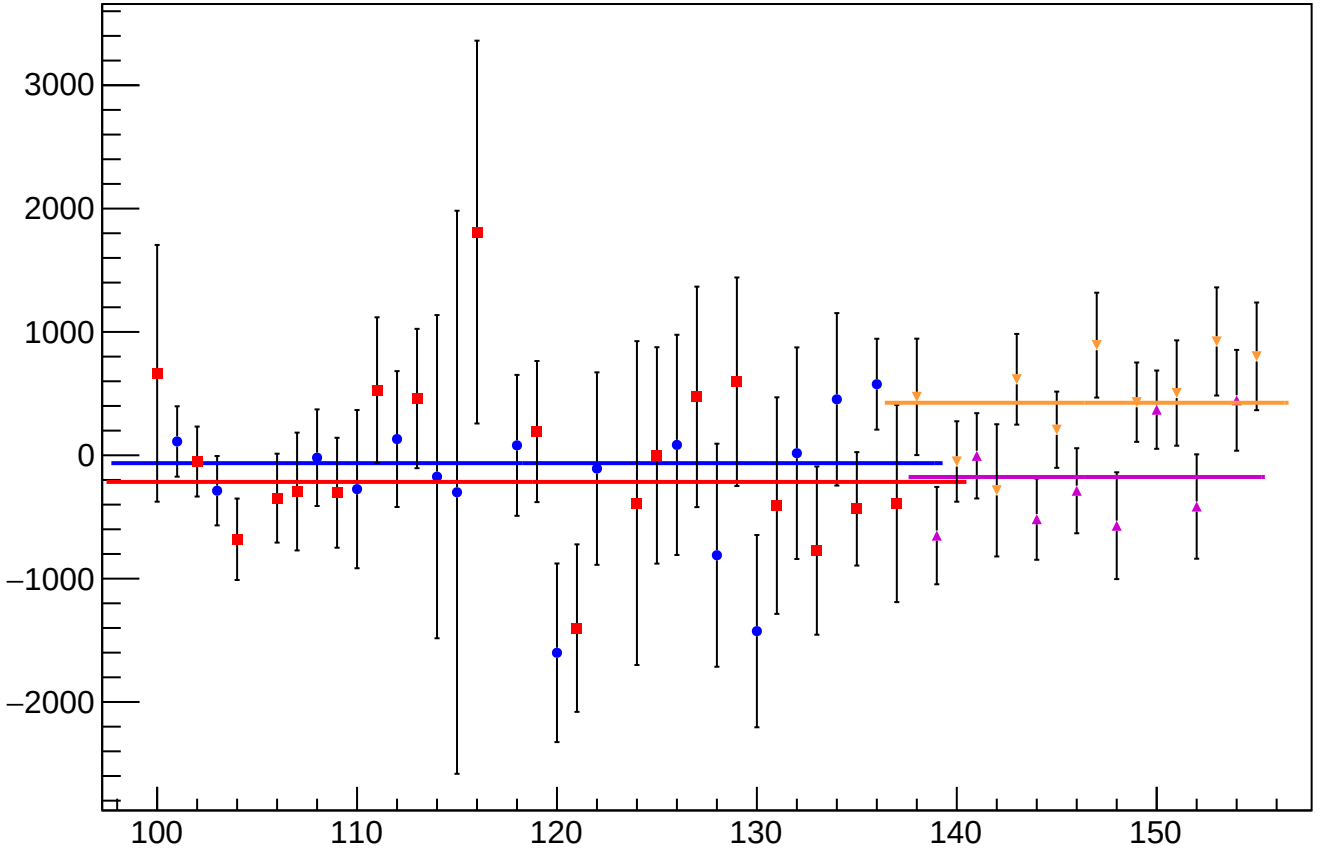
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 60.460+/-0.011 χ^2/NDF:432301.9/23

Out: 60.337+/-0.011 χ^2/NDF:500726.8/28

All: 60.397+/-0.008 χ^2/NDF: 933088.9/52

asym_sam_37_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 425.932+/-122.736 χ^2/NDF:7.9/9

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -175.892+/-129.914 χ^2/NDF:9.3/7

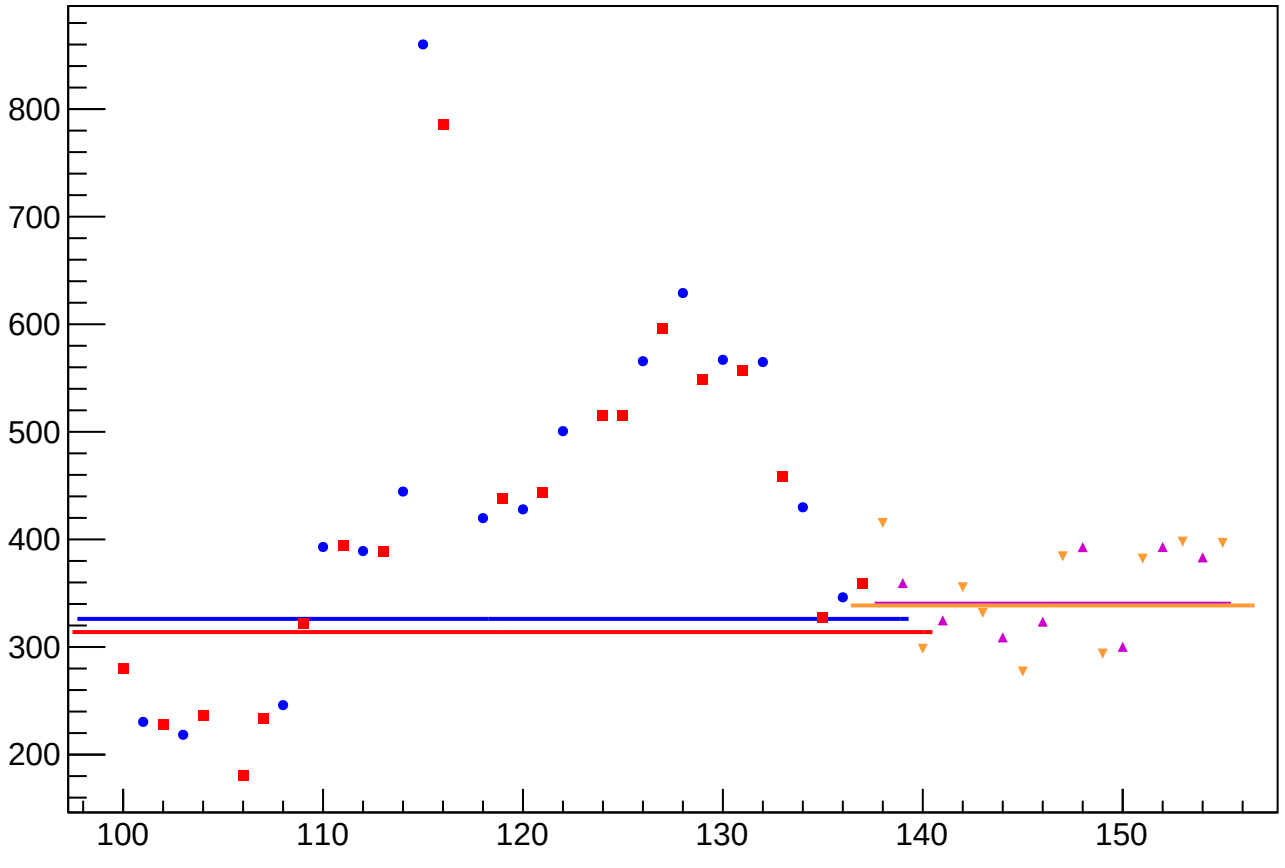
Left: 142.103+/-89.217 χ^2/NDF: 28.6/17

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -119.753+/-91.778 χ^2/NDF:22.9/23

Out: 106.978+/-87.053 χ^2/NDF:35.6/28

All: -0.401+/-63.160 χ^2/NDF: 61.7/52



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 338.624+/-0.087 χ^2/NDF:319693.4/9

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 340.279+/-0.092 χ^2/NDF:146143.4/7

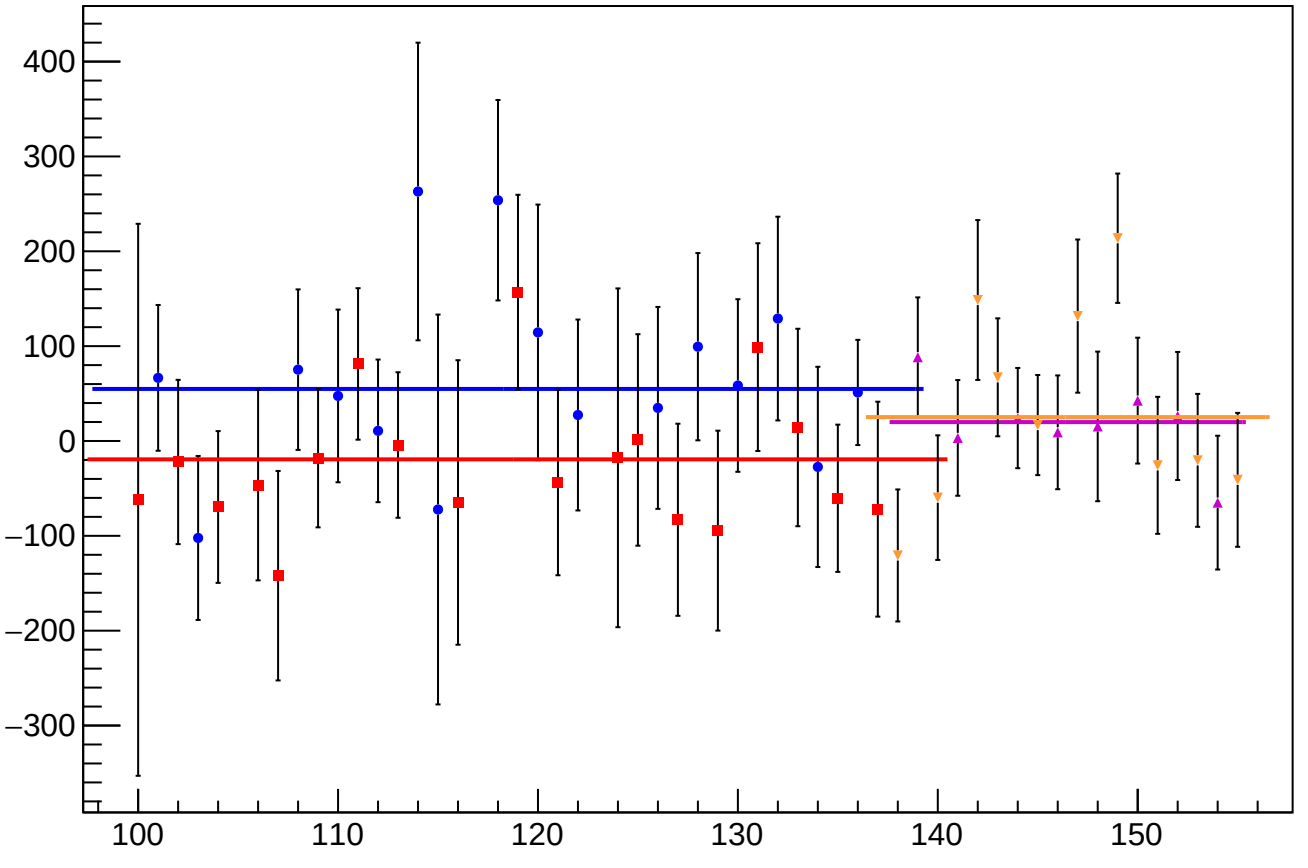
Left: 339.404+/-0.063 χ^2/NDF: 466008.4/17

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 333.202+/-0.065 χ^2/NDF:1891927.3/23

Out: 326.318+/-0.062 χ^2/NDF:2165928.4/28

All: 329.578+/-0.045 χ^2/NDF: 4063778.0/52



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 25.191+/-21.512 χ^2/NDF:19.9/9

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 19.916+/-22.560 χ^2/NDF:2.9/7

Left: 22.679+/-15.569 χ^2/NDF: 22.8/17

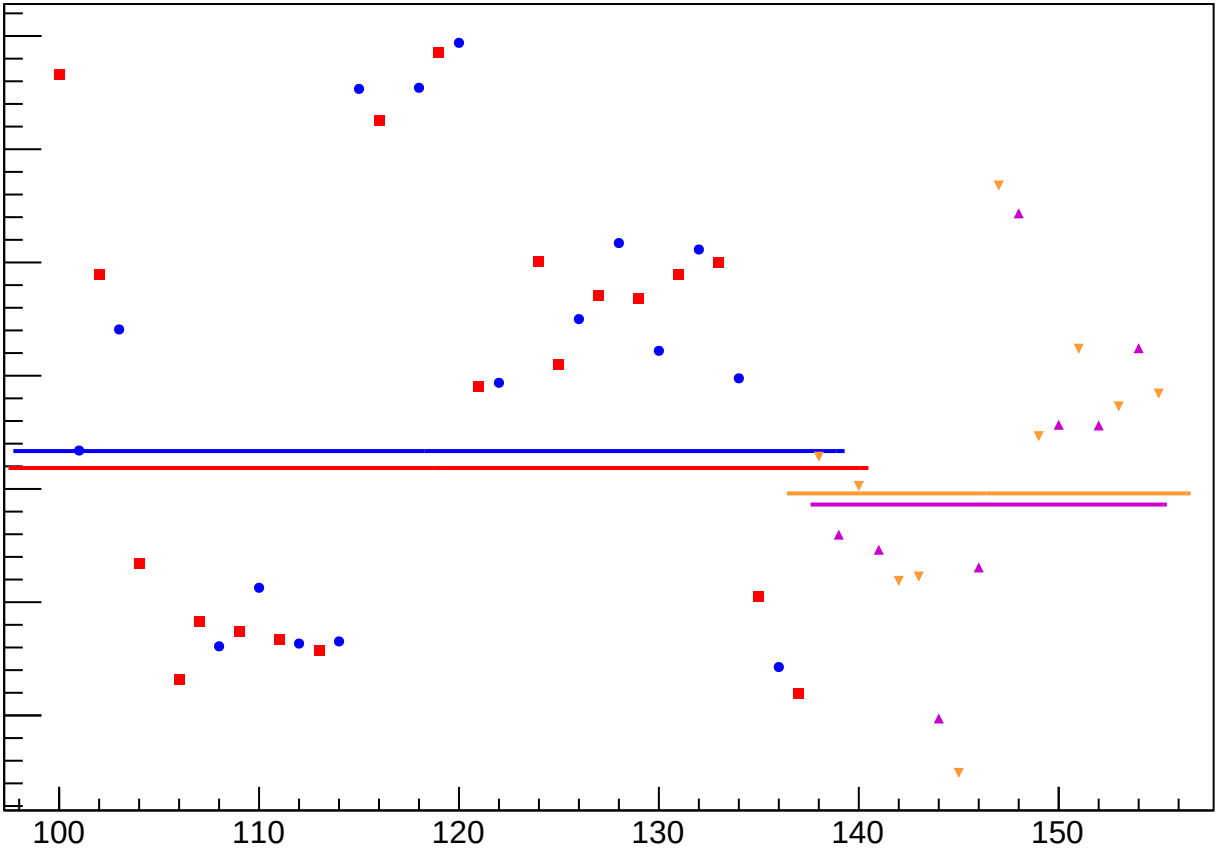
Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 36.923+/-16.167 χ^2/NDF:15.1/23

Out: 4.005+/-15.578 χ^2/NDF:31.1/28

All: 19.854+/-11.218 χ^2/NDF: 48.3/52

eigen_cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 59.804+/-0.015 χ^2/NDF:210559.8/9

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 59.312+/-0.016 χ^2/NDF:154537.1/7

Left: 59.570+/-0.011 χ^2/NDF: 365594.9/17

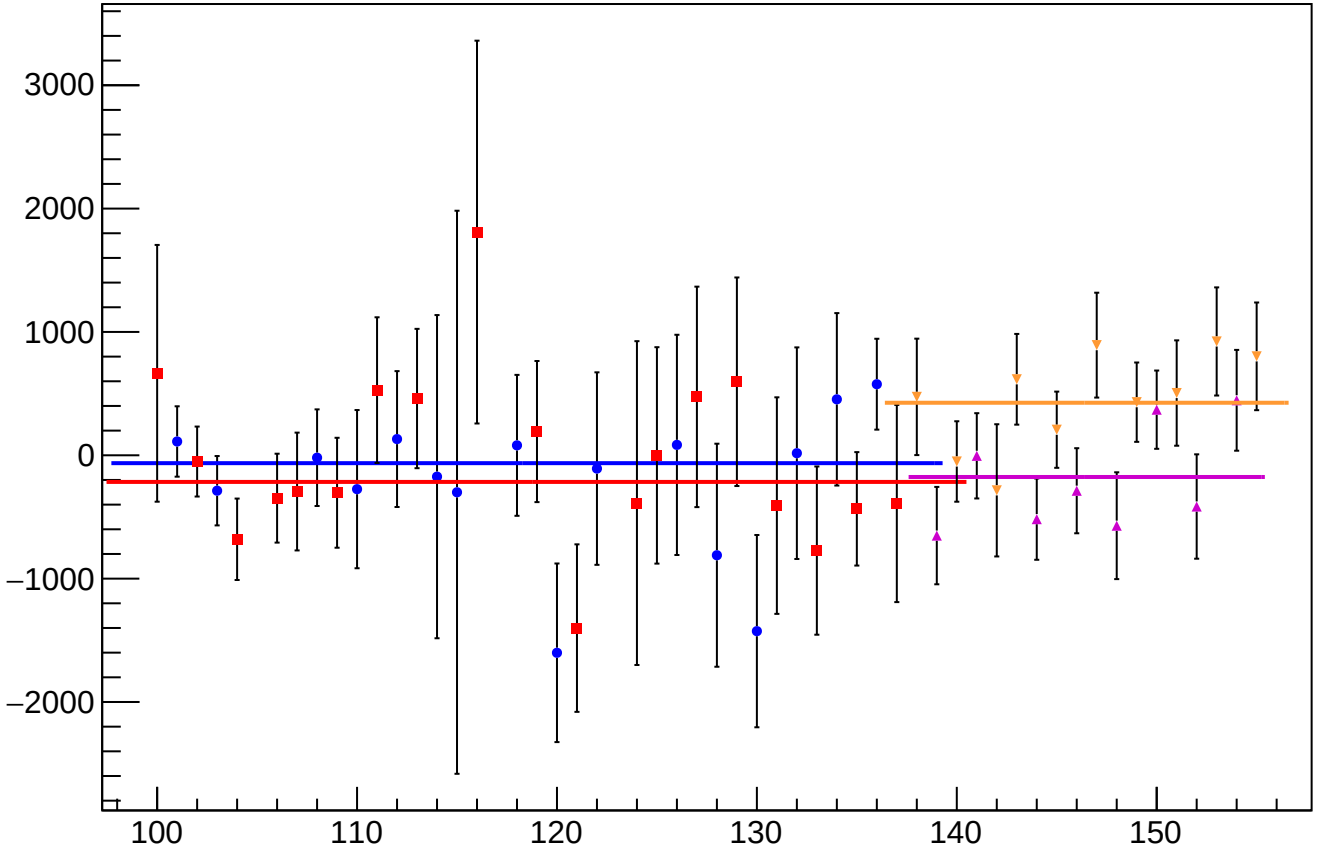
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 60.460+/-0.011 χ^2/NDF:432301.9/23

Out: 60.337+/-0.011 χ^2/NDF:500726.8/28

All: 60.397+/-0.008 χ^2/NDF: 933088.9/52

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 425.932+/-122.736 χ^2/NDF:7.9/9

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -175.892+/-129.914 χ^2/NDF:9.3/7

Left: 142.103+/-89.217 χ^2/NDF: 28.6/17

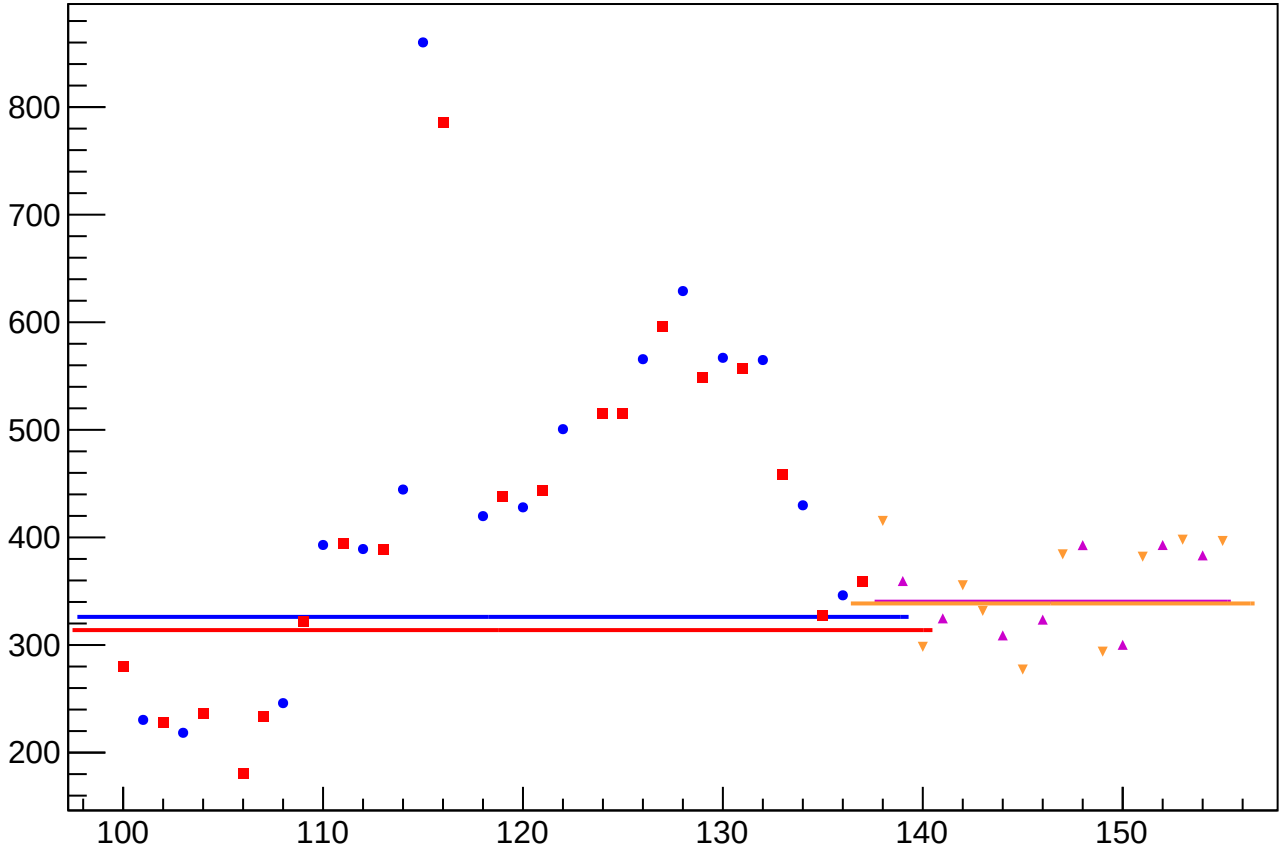
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -119.753+/-91.778 χ^2/NDF:22.9/23

Out: 106.978+/-87.053 χ^2/NDF:35.6/28

All: -0.401+/-63.160 χ^2/NDF: 61.7/52

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: 338.624+/-0.087 χ^2/NDF:319693.4/9

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 340.279+/-0.092 χ^2/NDF:146143.4/7

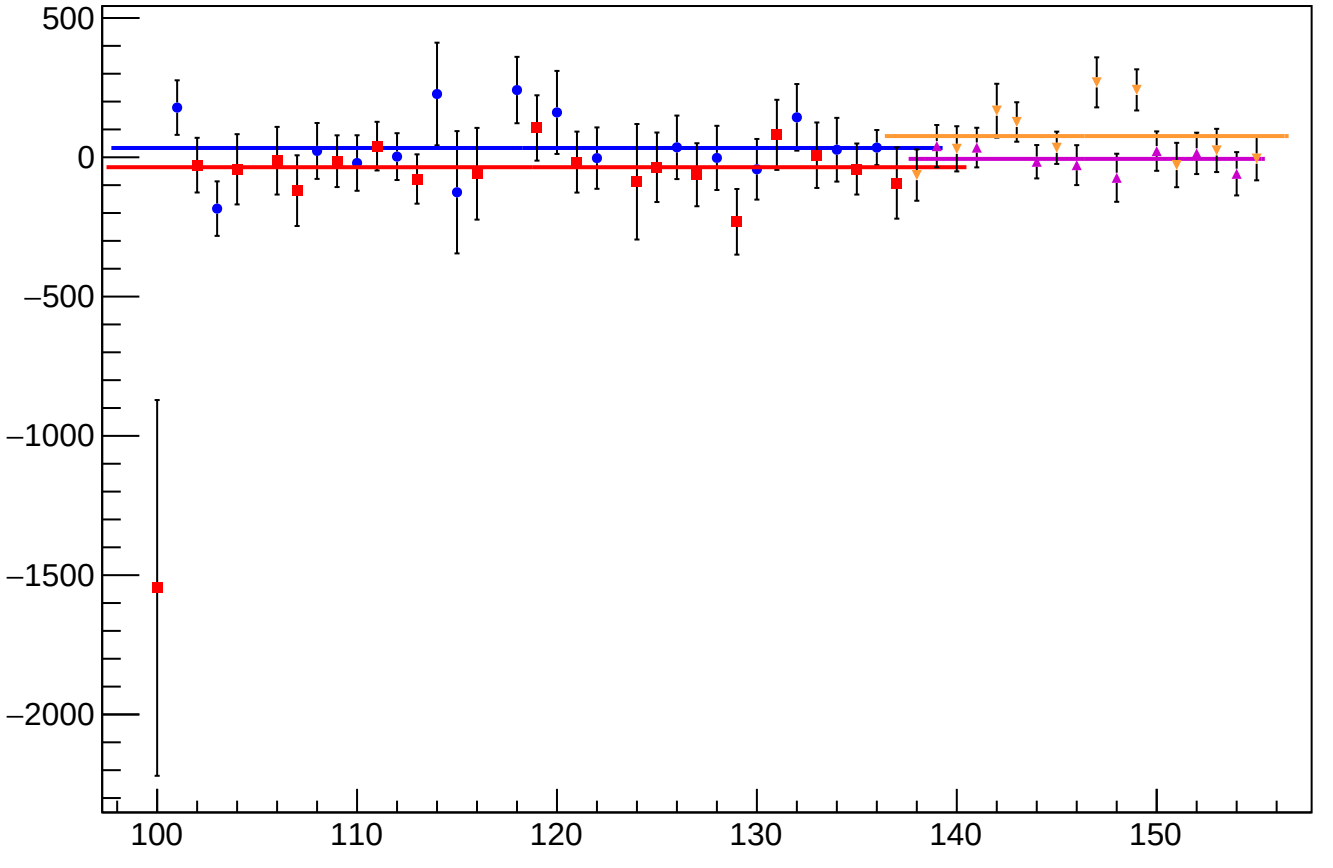
Left: 339.404+/-0.063 χ^2/NDF: 466008.4/17

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 333.202+/-0.065 χ^2/NDF:1891927.3/23

Out: 326.318+/-0.062 χ^2/NDF:2165928.4/28

All: 329.578+/-0.045 χ^2/NDF: 4063778.0/52



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 76.132+/-24.467 χ^2/NDF:17.4/9

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -5.708+/-25.596 χ^2/NDF:2.1/7

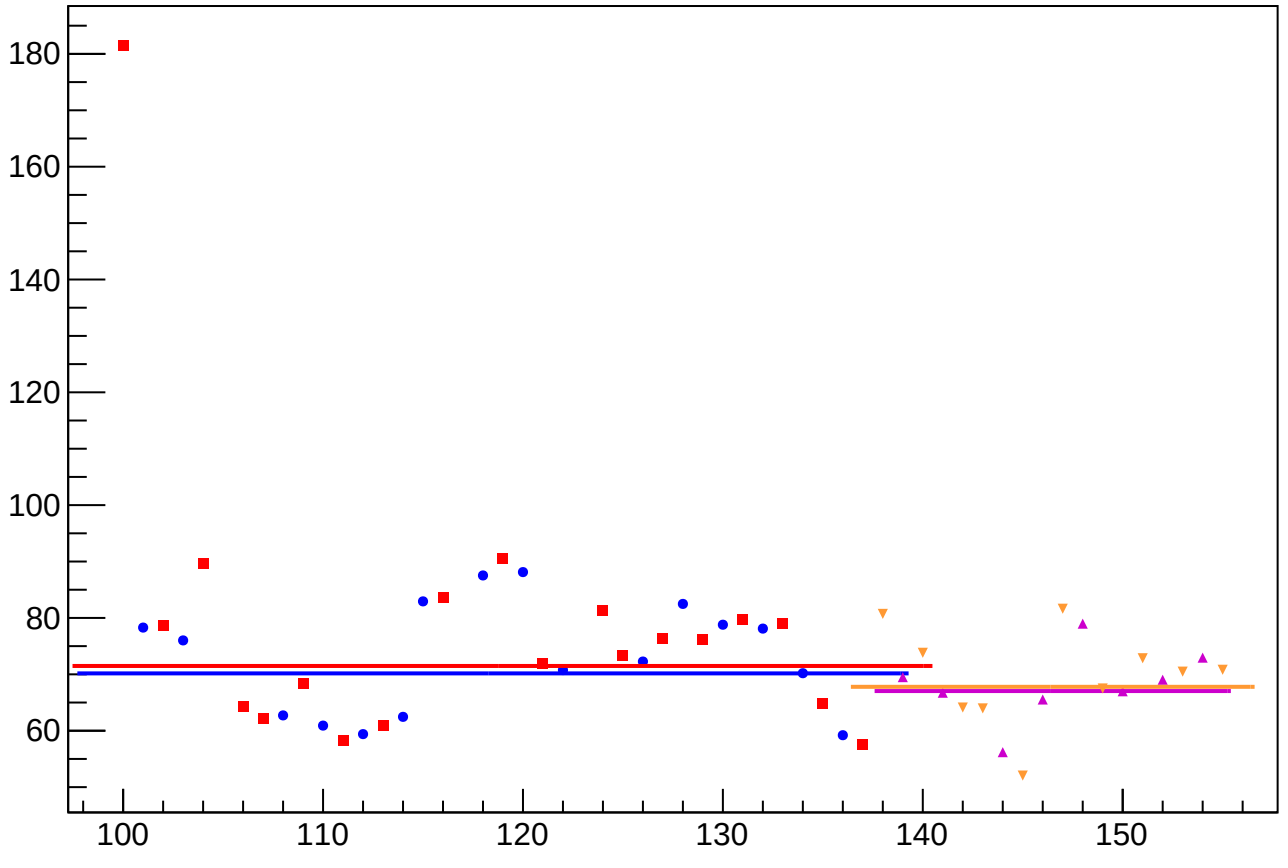
Left: 37.056+/-17.686 χ^2/NDF: 24.9/17

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 13.230+/-18.382 χ^2/NDF:17.8/23

Out: 24.802+/-17.988 χ^2/NDF:39.1/28

All: 19.141+/-12.856 χ^2/NDF: 57.1/52



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 67.787+/-0.017 χ^2/NDF:267908.5/9

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 67.035+/-0.018 χ^2/NDF:119929.6/7

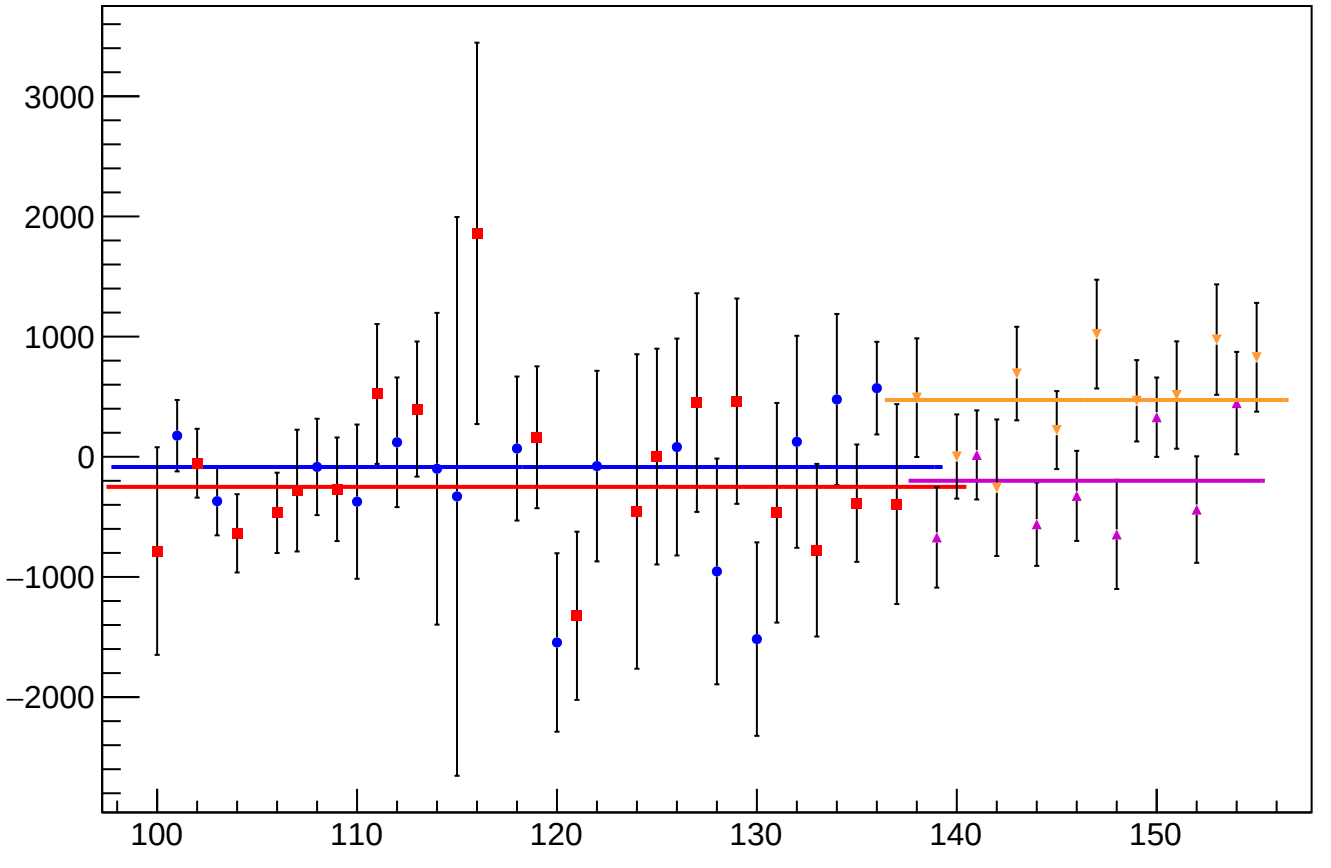
Left: 67.428+/-0.013 χ^2/NDF: 388741.3/17

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 68.552+/-0.013 χ^2/NDF:403685.0/23

Out: 69.486+/-0.013 χ^2/NDF:614591.9/28

All: 69.029+/-0.009 χ^2/NDF: 1020913.1/52



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 472.666+/-129.432 χ^2/NDF:7.7/9

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -199.494+/-137.289 χ^2/NDF:8.9/7

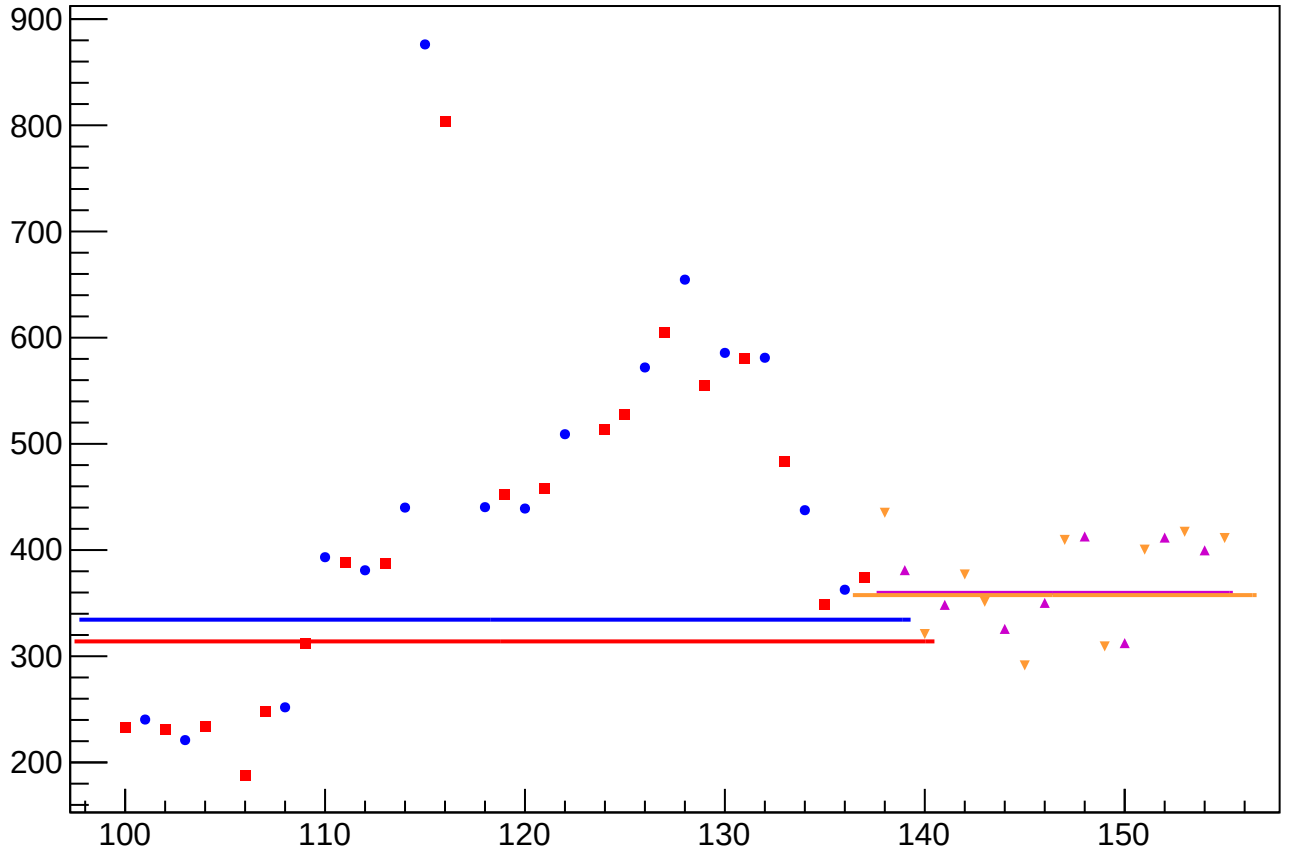
Left: 156.369+/-94.178 χ^2/NDF: 29.3/17

Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -140.473+/-95.480 χ^2/NDF:23.0/23

Out: 93.583+/-89.276 χ^2/NDF:36.5/28

All: -15.594+/-65.211 χ^2/NDF: 62.7/52



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 357.572+/-0.092 χ^2/NDF:304802.1/9

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 359.689+/-0.097 χ^2/NDF:141191.7/7

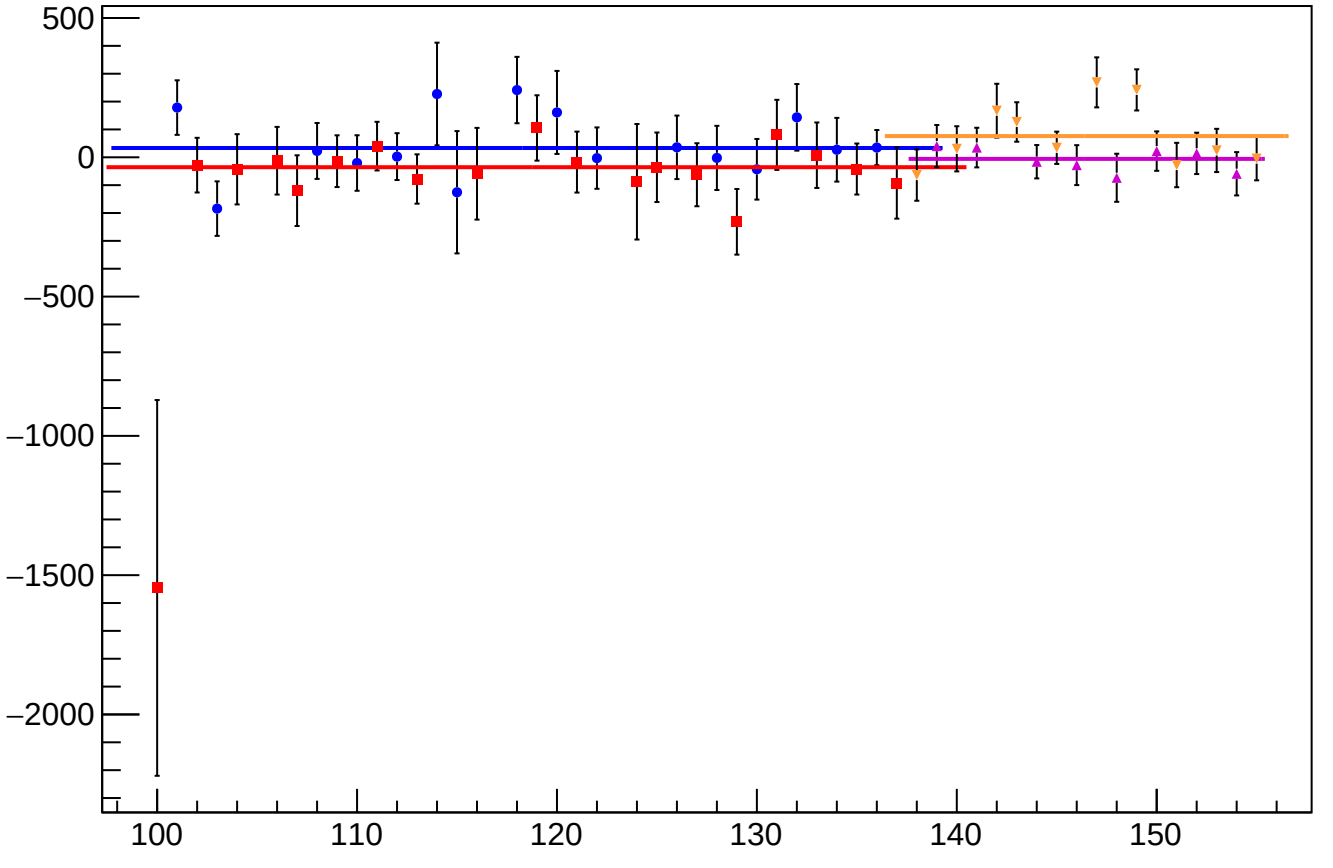
Left: 358.568+/-0.067 χ^2/NDF: 446245.6/17

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 346.648+/-0.068 χ^2/NDF:1906755.0/23

Out: 334.715+/-0.063 χ^2/NDF:2328387.5/28

All: 340.281+/-0.046 χ^2/NDF: 4251809.8/52



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 76.131+/-24.467 χ^2/NDF:17.4/9

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -5.708+/-25.596 χ^2/NDF:2.1/7

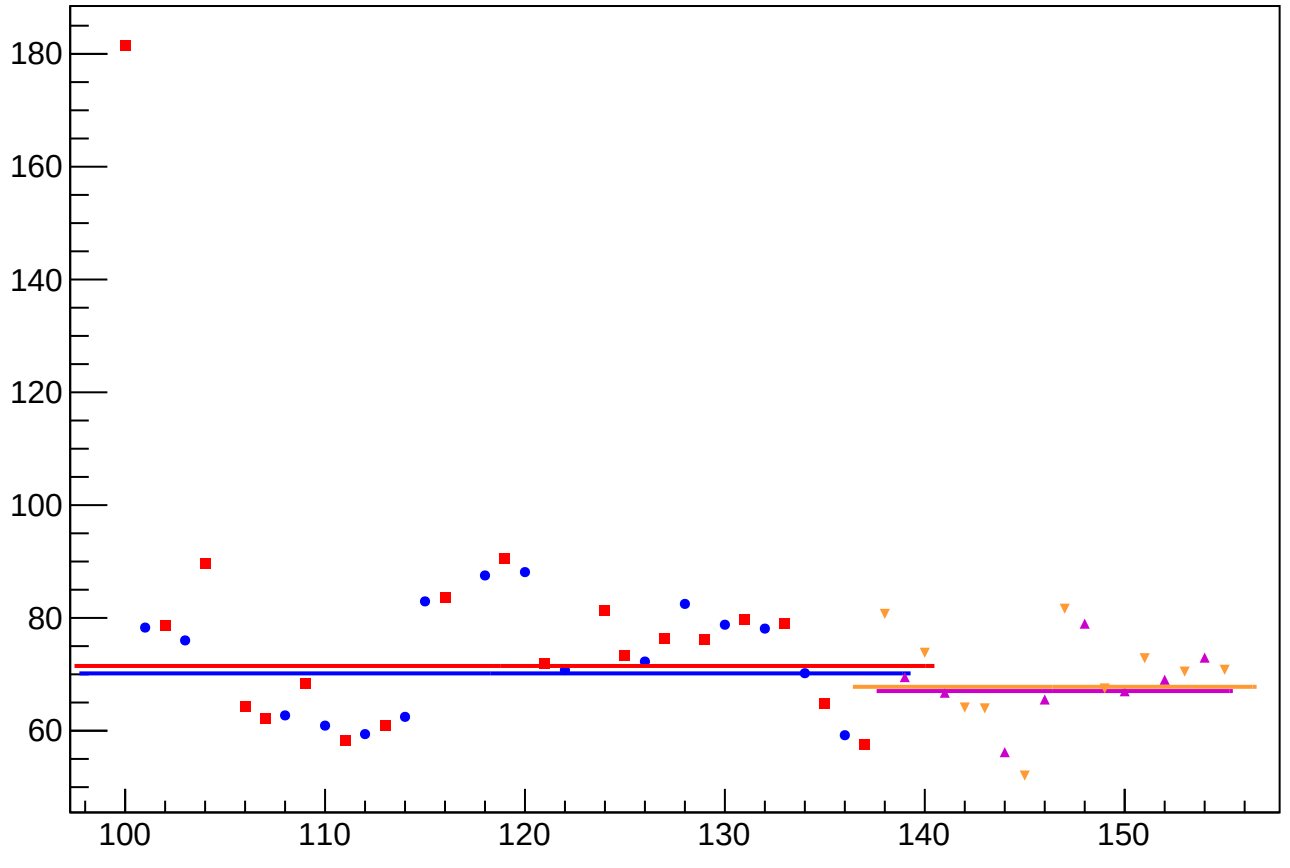
Left: 37.056+/-17.686 χ^2/NDF: 24.9/17

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 13.229+/-18.382 χ^2/NDF:17.8/23

Out: 24.801+/-17.988 χ^2/NDF:39.1/28

All: 19.140+/-12.856 χ^2/NDF: 57.1/52



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 67.787+/-0.017 χ^2/NDF:267912.6/9

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 67.035+/-0.018 χ^2/NDF:119930.1/7

Left: 67.428+/-0.013 χ^2/NDF: 388745.8/17

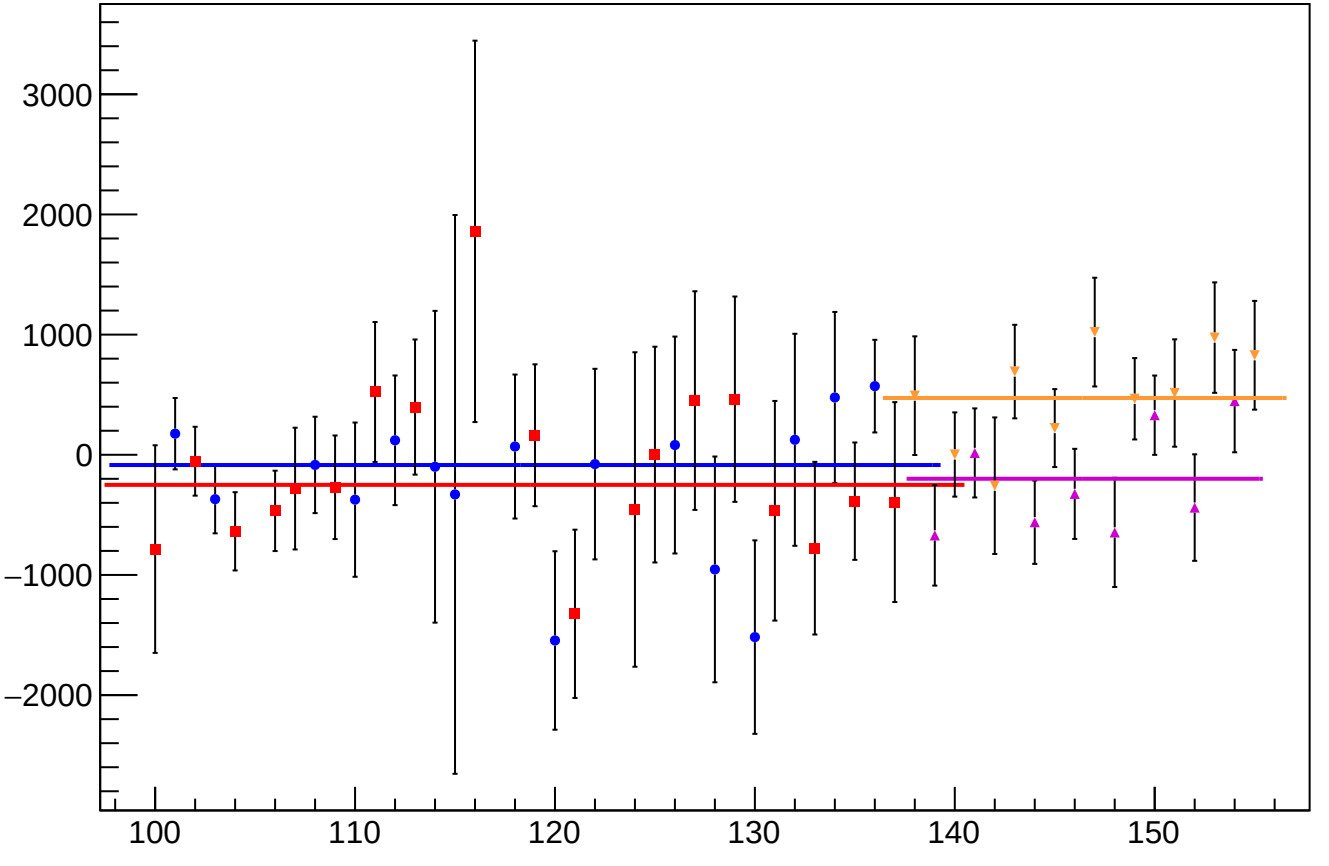
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 68.552+/-0.013 χ^2/NDF:403689.8/23

Out: 69.486+/-0.013 χ^2/NDF:614604.1/28

All: 69.029+/-0.009 χ^2/NDF: 1020929.9/52

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 472.666+/-129.432 χ^2/NDF:7.7/9

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -199.494+/-137.289 χ^2/NDF:8.9/7

Left: 156.369+/-94.178 χ^2/NDF: 29.3/17

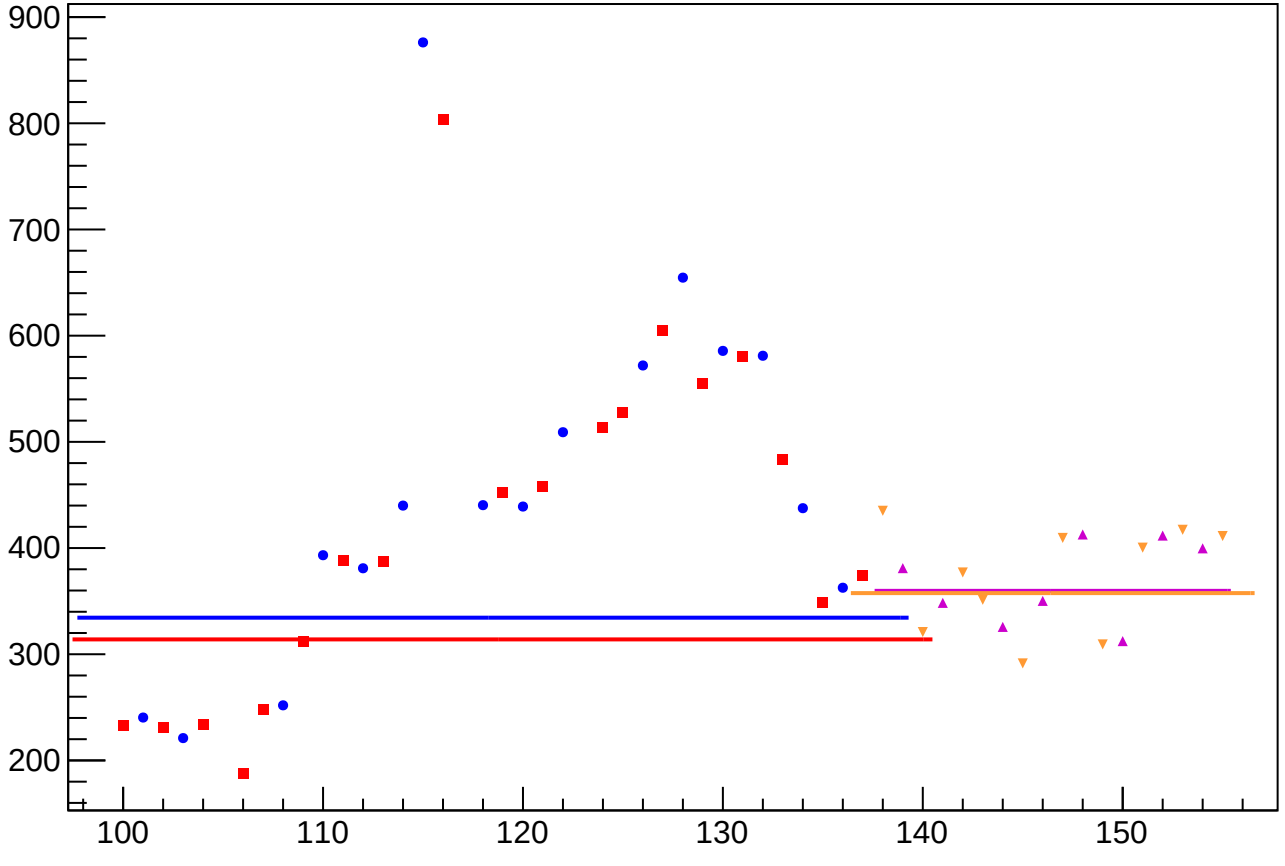
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -140.473+/-95.480 χ^2/NDF:23.0/23

Out: 93.583+/-89.276 χ^2/NDF:36.5/28

All: -15.595+/-65.211 χ^2/NDF: 62.7/52

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: 357.572+/-0.092 χ^2/NDF:304805.0/9

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 359.689+/-0.097 χ^2/NDF:141191.2/7

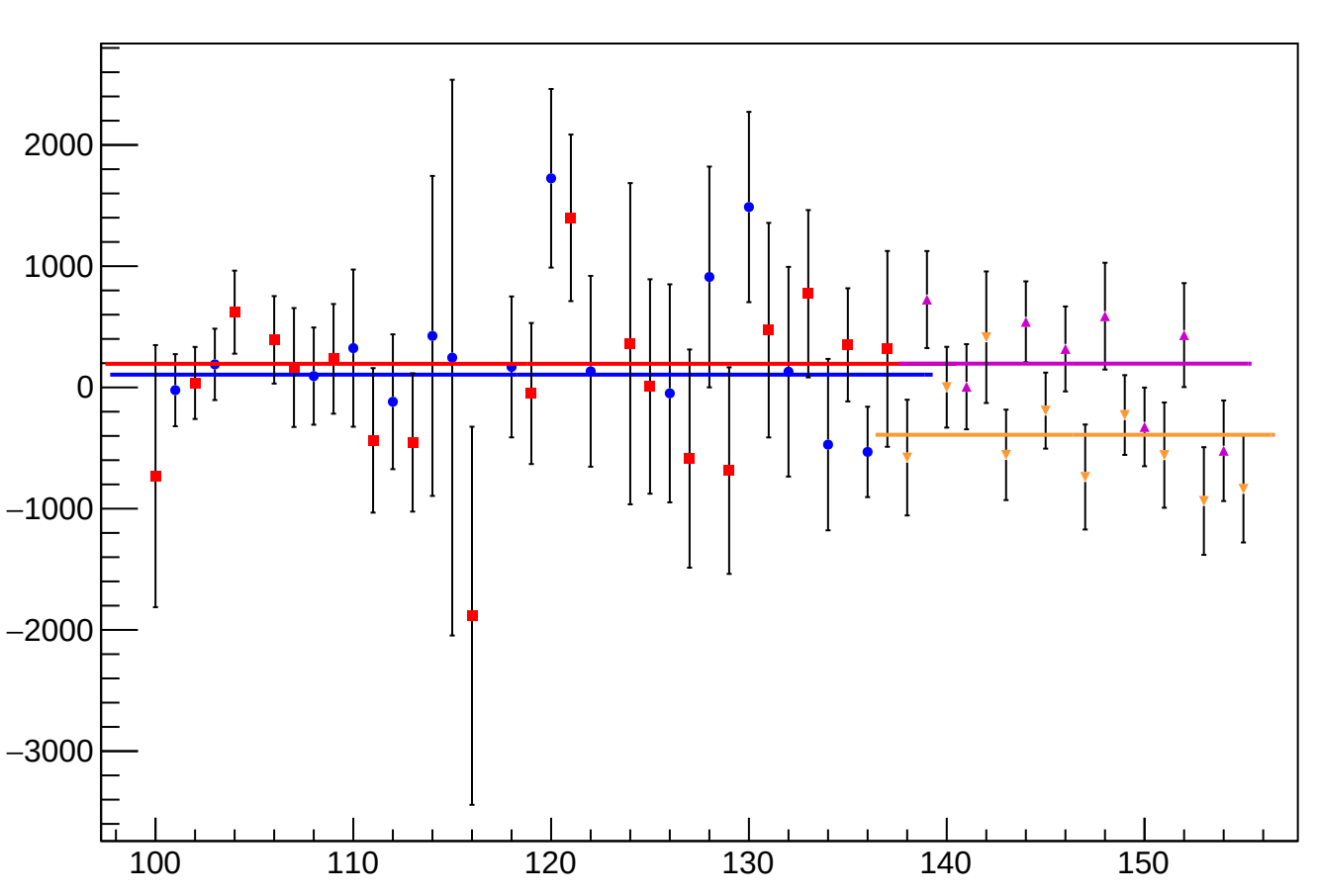
Left: 358.568+/-0.067 χ^2/NDF: 446248.1/17

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 346.648+/-0.068 χ^2/NDF:1906753.0/23

Out: 334.715+/-0.063 χ^2/NDF:2328387.8/28

All: 340.281+/-0.046 χ^2/NDF: 4251808.7/52



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -390.690+/-124.753 χ^2/NDF:7.9/9

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 196.101+/-131.981 χ^2/NDF:9.9/7

Left: -113.802+/-90.661 χ^2/NDF: 28.3/17

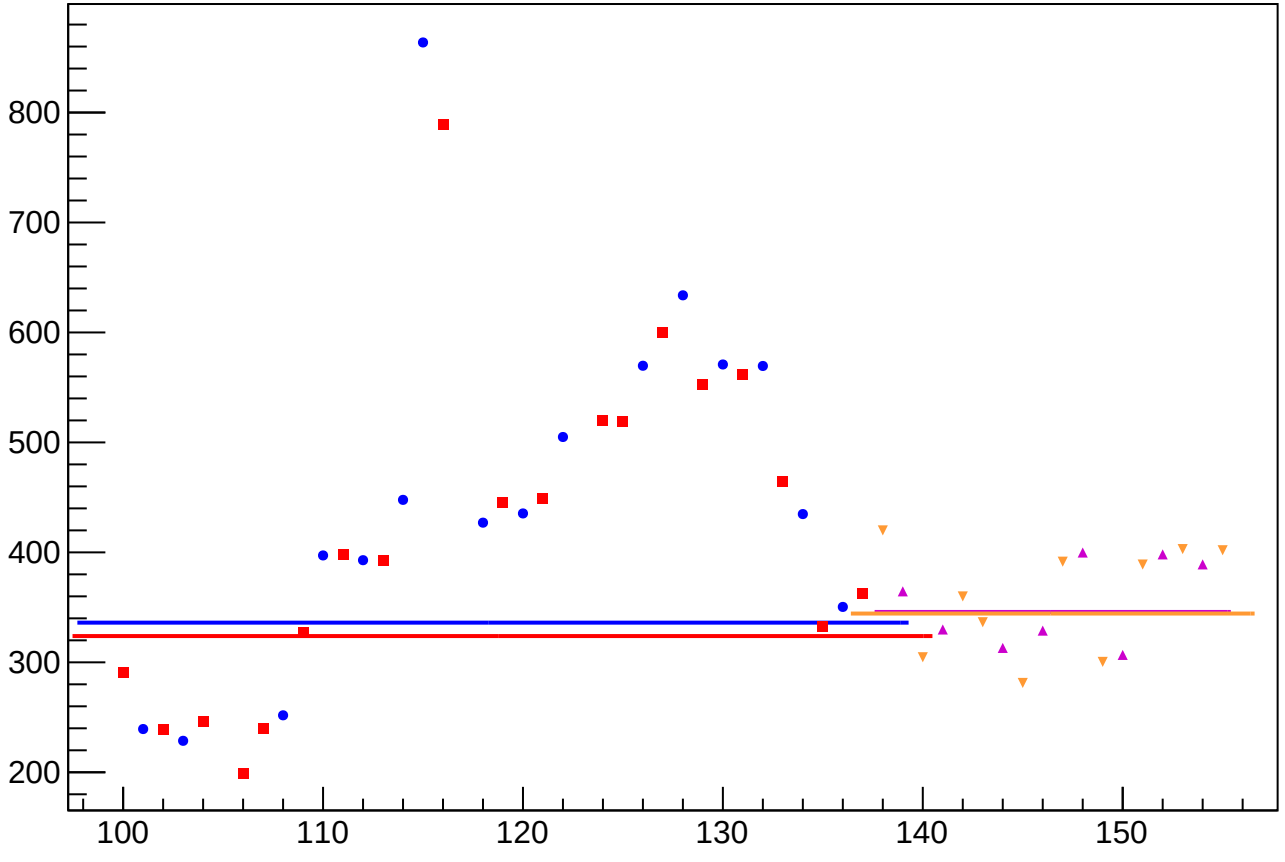
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 151.110+/-93.699 χ^2/NDF:23.1/23

Out: -101.361+/-88.720 χ^2/NDF:31.9/28

All: 17.989+/-64.423 χ^2/NDF: 58.9/52

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 344.362+/-0.088 χ^2/NDF:311677.5/9

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 345.809+/-0.093 χ^2/NDF:143136.3/7

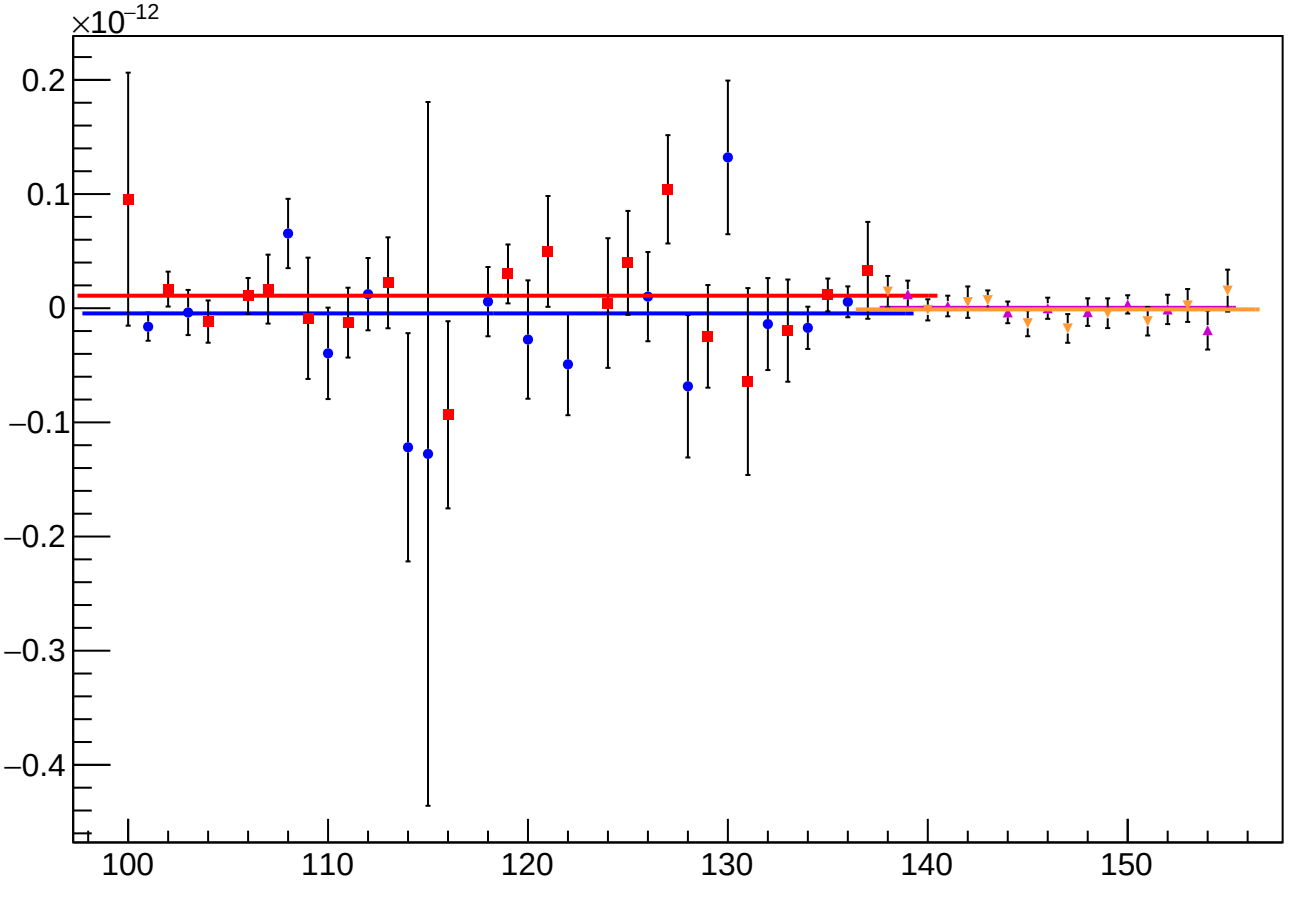
Left: 345.045+/-0.064 χ^2/NDF: 454940.7/17

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 340.990+/-0.066 χ^2/NDF:1767510.5/23

Out: 334.242+/-0.063 χ^2/NDF:2003729.2/28

All: 337.432+/-0.046 χ^2/NDF: 3776709.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/7

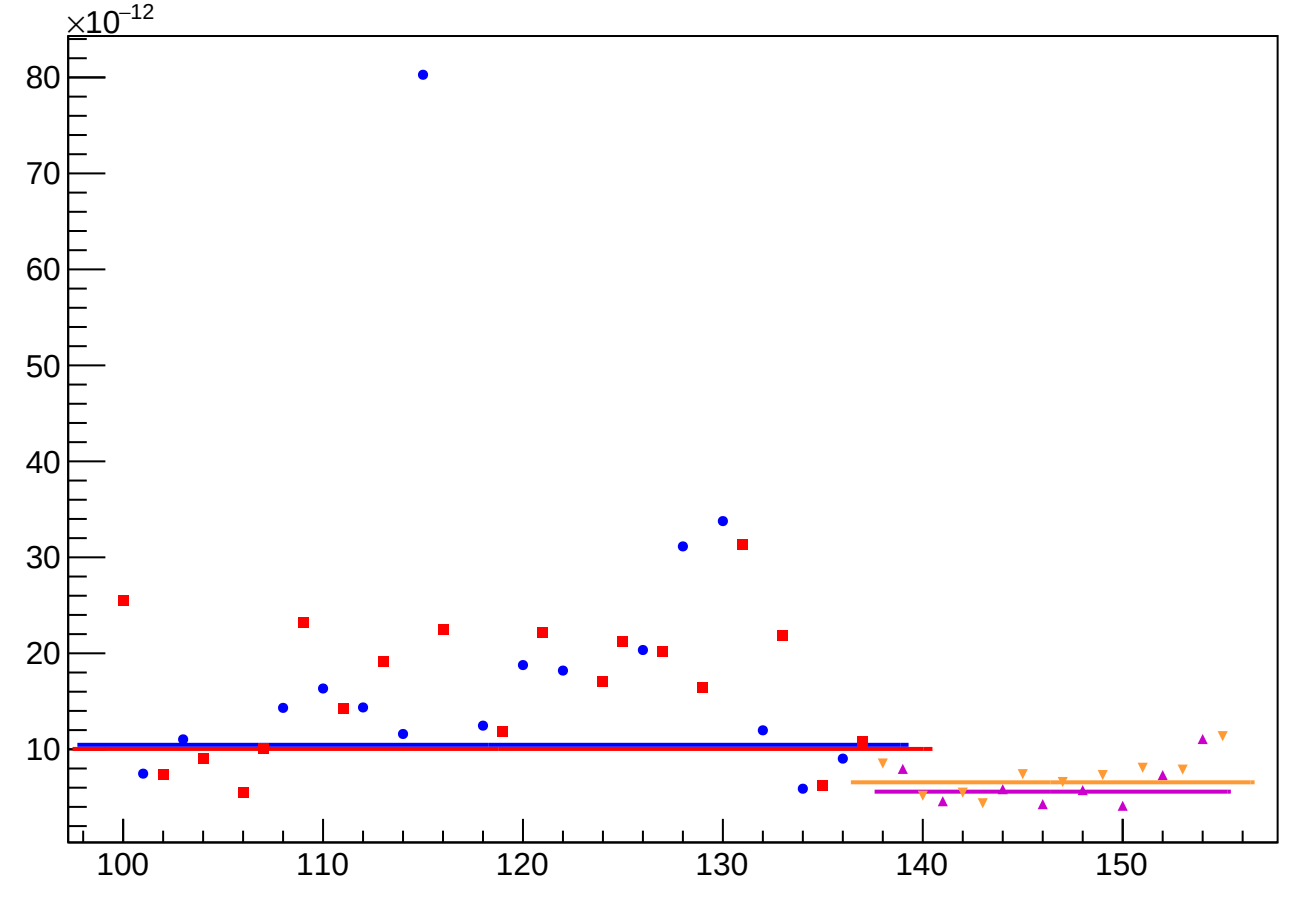
Left: -0.000+/-0.000 χ^2/NDF: 9.7/17

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:19.7/23

Out: 0.000+/-0.000 χ^2/NDF:21.9/28

All: 0.000+/-0.000 χ^2/NDF: 42.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:428755.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:455015.9/7

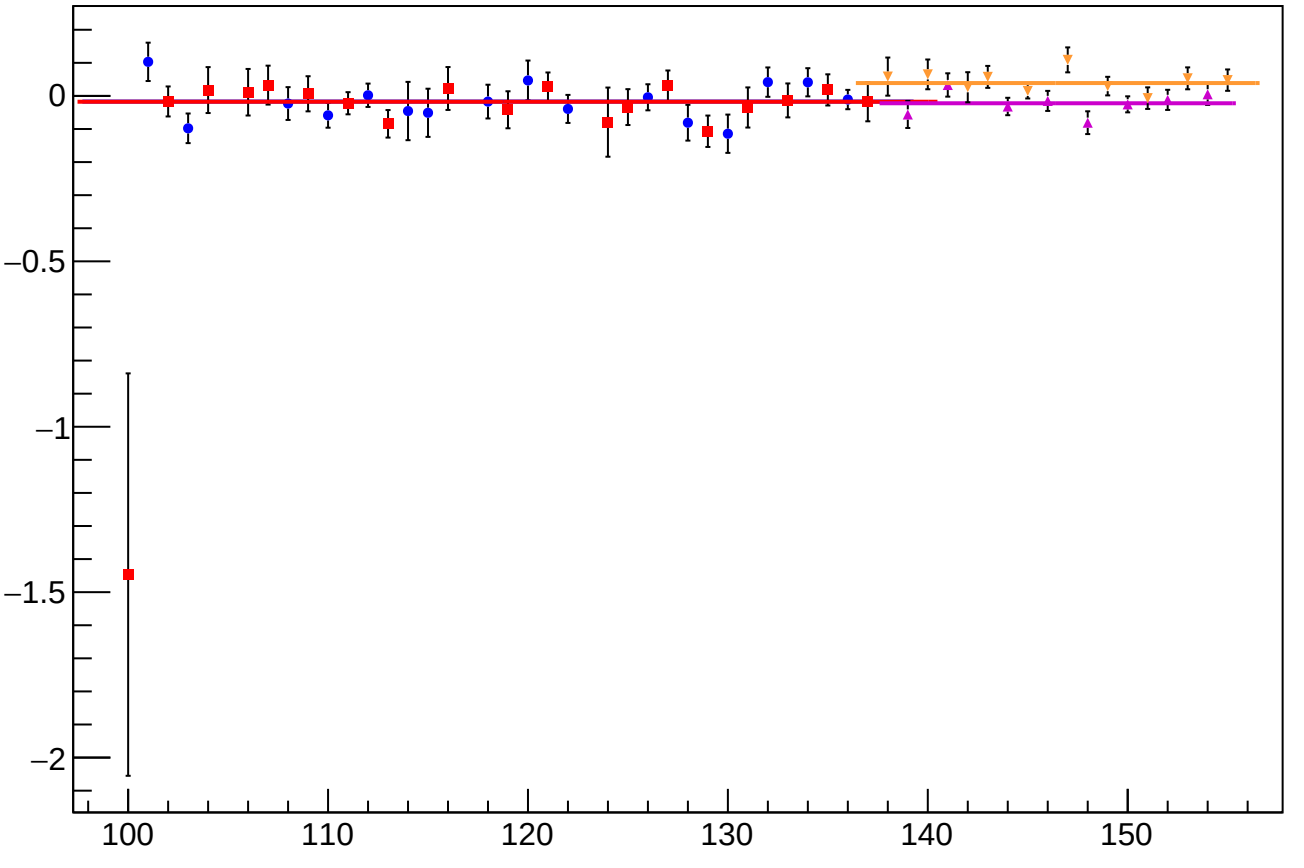
Left: 0.000+/-0.000 χ^2/NDF: 952011.8/17

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2503729.2/23

Out: 0.000+/-0.000 χ^2/NDF:2280862.8/28

All: 0.000+/-0.000 χ^2/NDF: 4828030.0/52



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.039+/-0.011 χ^2/NDF:7.7/9

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.022+/-0.011 χ^2/NDF:7.1/7

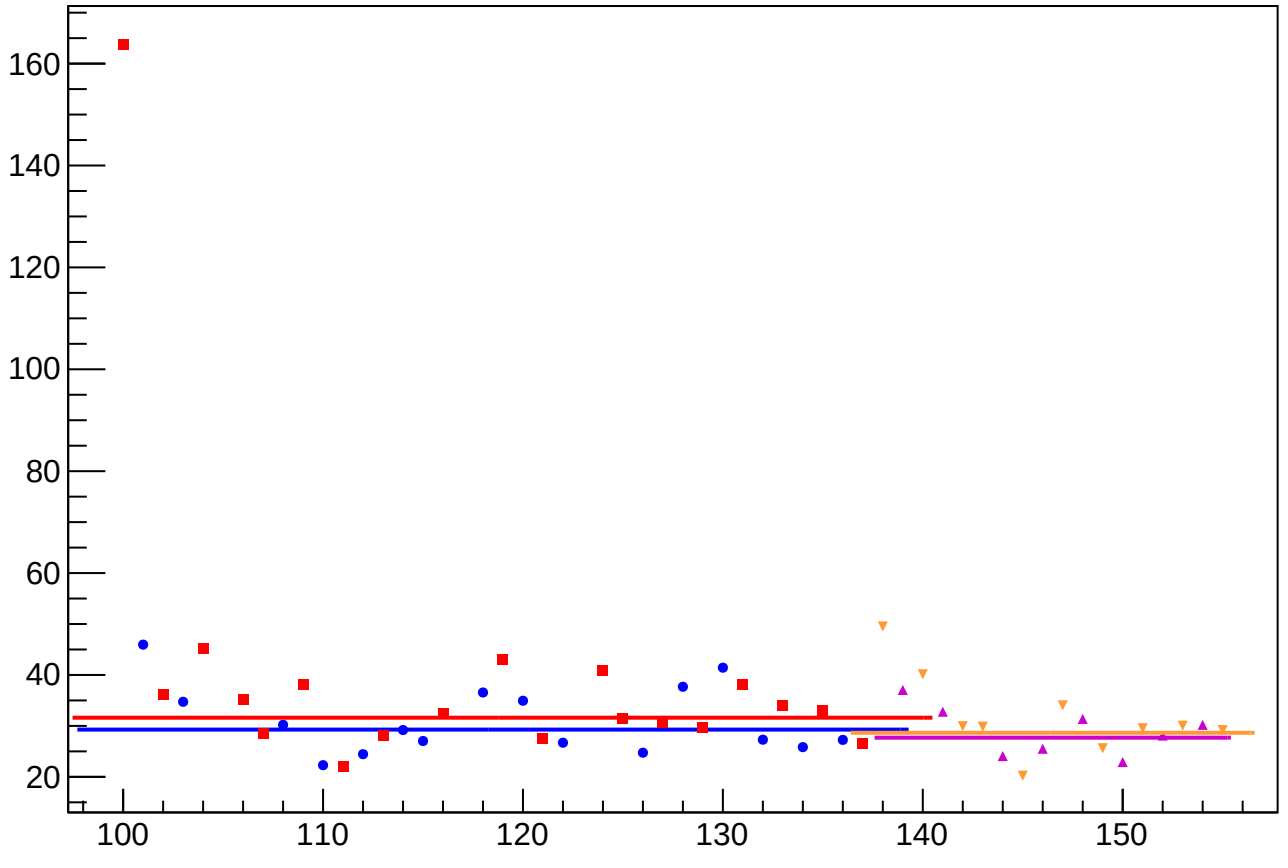
Left: 0.009+/-0.008 χ^2/NDF: 31.0/17

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.020+/-0.008 χ^2/NDF:26.0/23

Out: 0.014+/-0.008 χ^2/NDF:36.8/28

All: -0.003+/-0.006 χ^2/NDF: 72.2/52



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.652+/-0.008 χ^2/NDF:739323.8/9

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.690+/-0.008 χ^2/NDF:308184.4/7

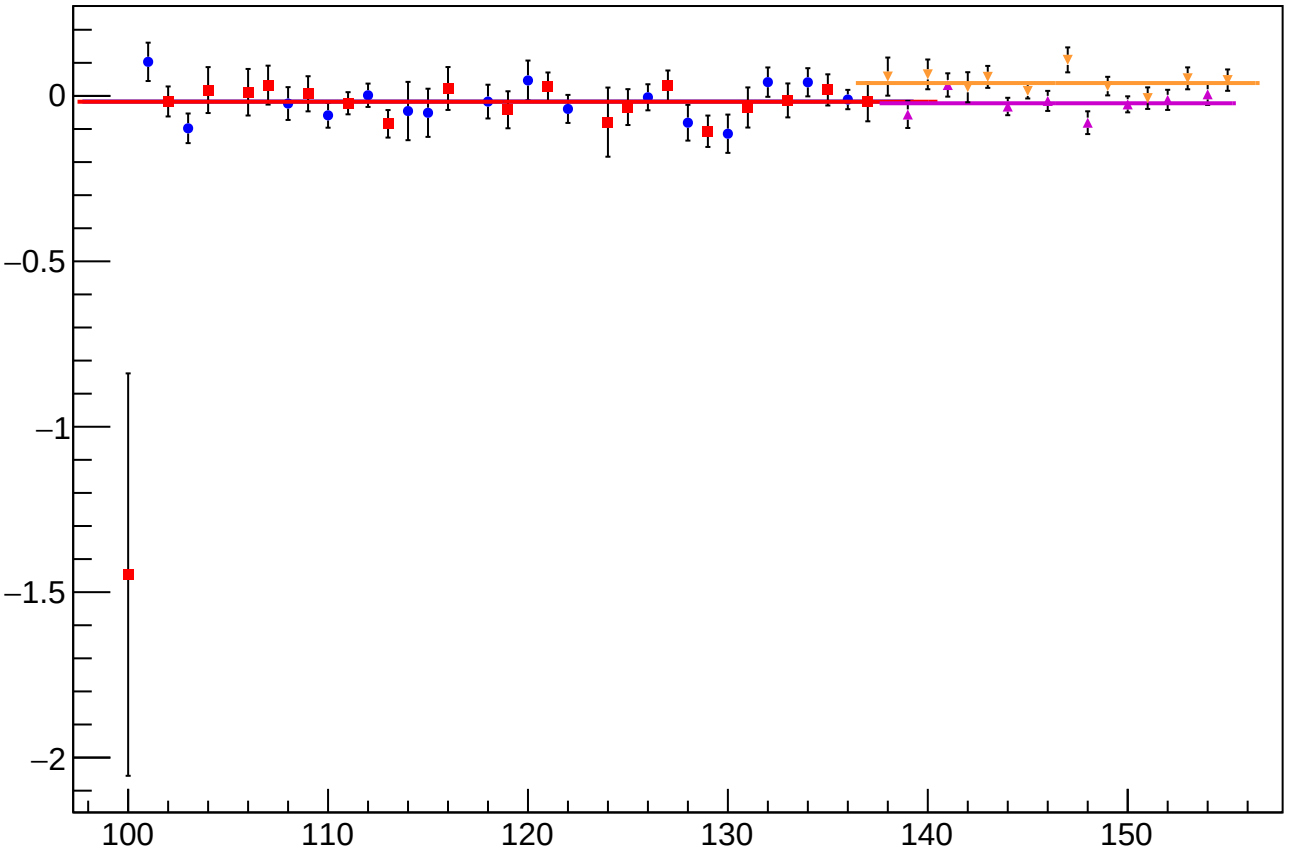
Left: 28.181+/-0.005 χ^2/NDF: 1055565.1/17

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.447+/-0.006 χ^2/NDF:889353.6/23

Out: 29.939+/-0.006 χ^2/NDF:1379254.9/28

All: 29.180+/-0.004 χ^2/NDF: 2304192.9/52



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.039+/-0.011 χ^2/NDF:7.7/9

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.022+/-0.011 χ^2/NDF:7.1/7

Left: 0.009+/-0.008 χ^2/NDF: 31.0/17

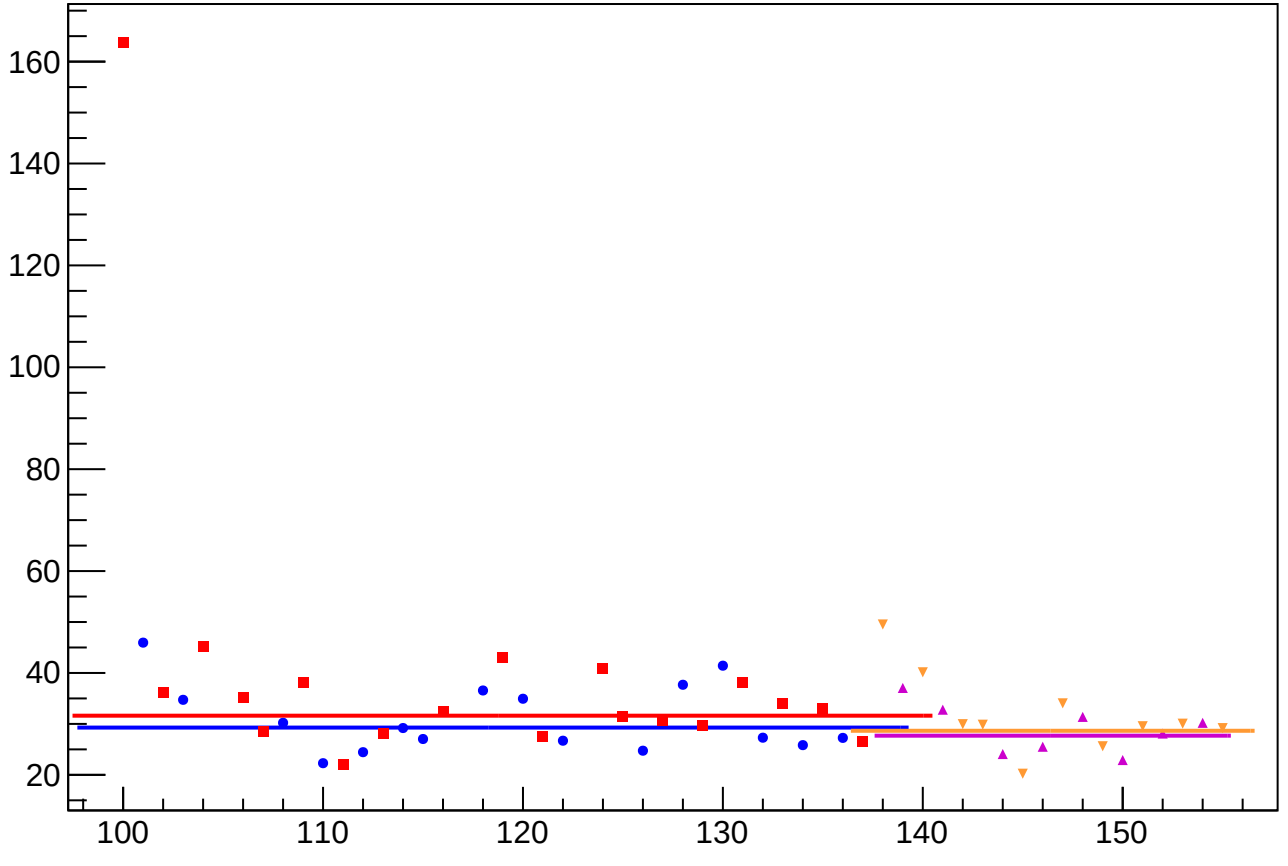
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.020+/-0.008 χ^2/NDF:26.0/23

Out: 0.014+/-0.008 χ^2/NDF:36.8/28

All: -0.003+/-0.006 χ^2/NDF: 72.2/52

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: 28.652+/-0.008 χ^2/NDF:739323.8/9

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.690+/-0.008 χ^2/NDF:308184.4/7

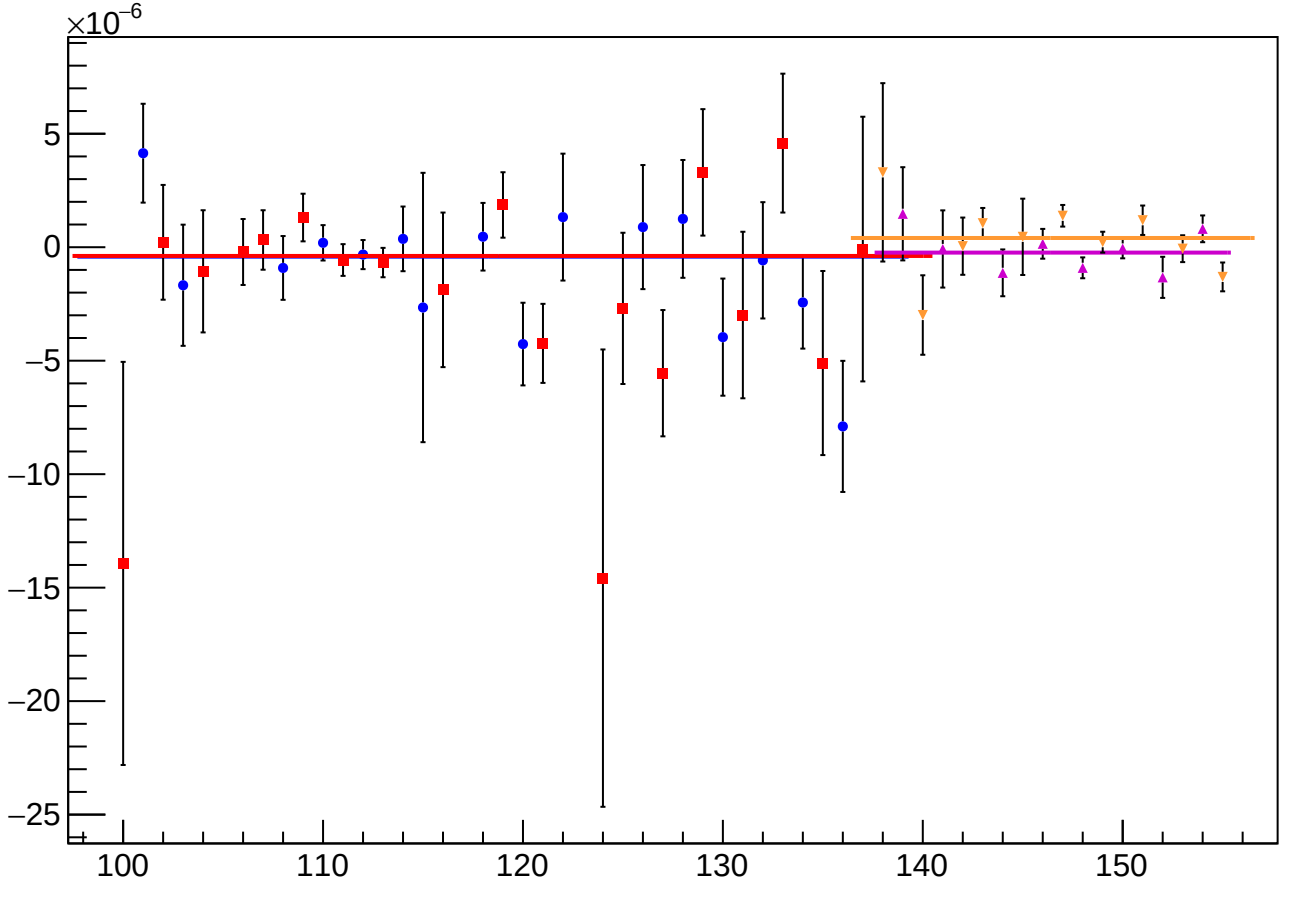
Left: 28.181+/-0.005 χ^2/NDF: 1055565.1/17

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.447+/-0.006 χ^2/NDF:889353.6/23

Out: 29.939+/-0.006 χ^2/NDF:1379254.9/28

All: 29.180+/-0.004 χ^2/NDF: 2304192.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.1/9

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.7/7

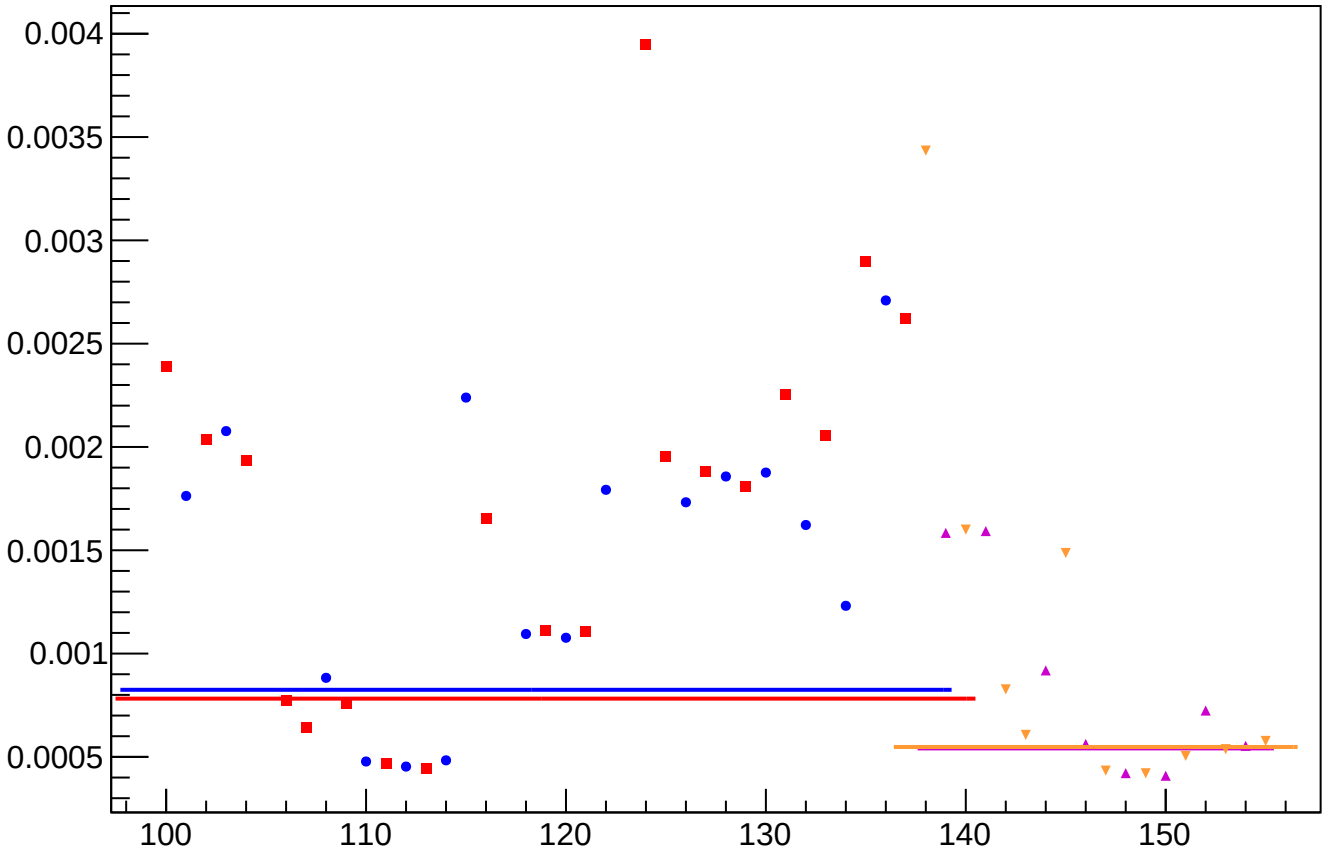
Left: 0.000+/-0.000 χ^2/NDF: 31.8/17

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:30.1/23

Out: 0.000+/-0.000 χ^2/NDF:48.0/28

All: -0.000+/-0.000 χ^2/NDF: 81.1/52



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2820607.8/9

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1956913.1/7

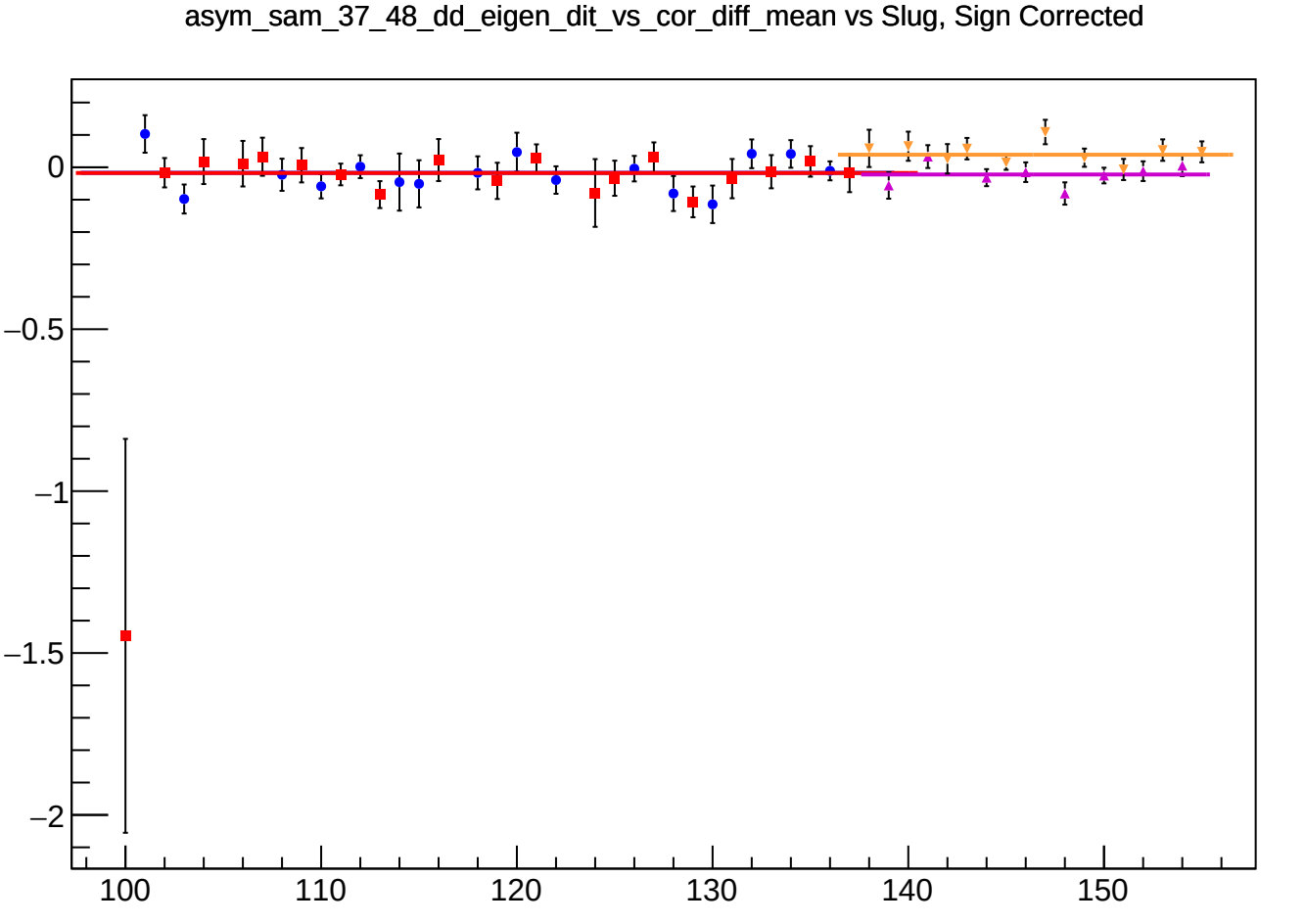
Left: 0.001+/-0.000 χ^2/NDF: 4778436.7/17

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:7240323.8/23

Out: 0.001+/-0.000 χ^2/NDF:8101319.1/28

All: 0.001+/-0.000 χ^2/NDF: 15343143.8/52



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.039+/-0.011 χ^2/NDF:7.7/9

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.022+/-0.011 χ^2/NDF:7.1/7

Left: 0.009+/-0.008 χ^2/NDF: 31.0/17

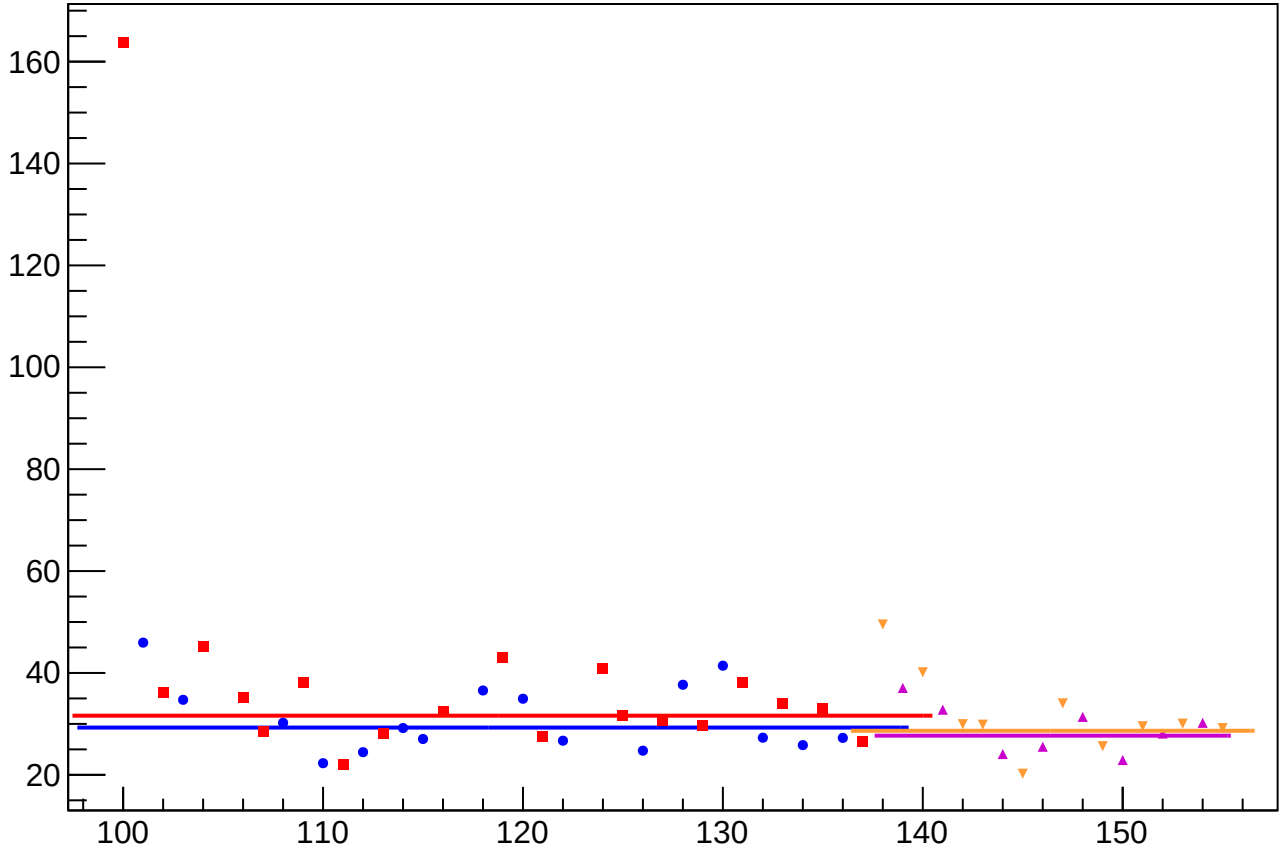
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.020+/-0.008 χ^2/NDF:26.0/23

Out: 0.014+/-0.008 χ^2/NDF:36.8/28

All: -0.003+/-0.006 χ^2/NDF: 72.2/52

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: 28.652+/-0.008 χ^2/NDF:739373.8/9

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.690+/-0.008 χ^2/NDF:308155.8/7

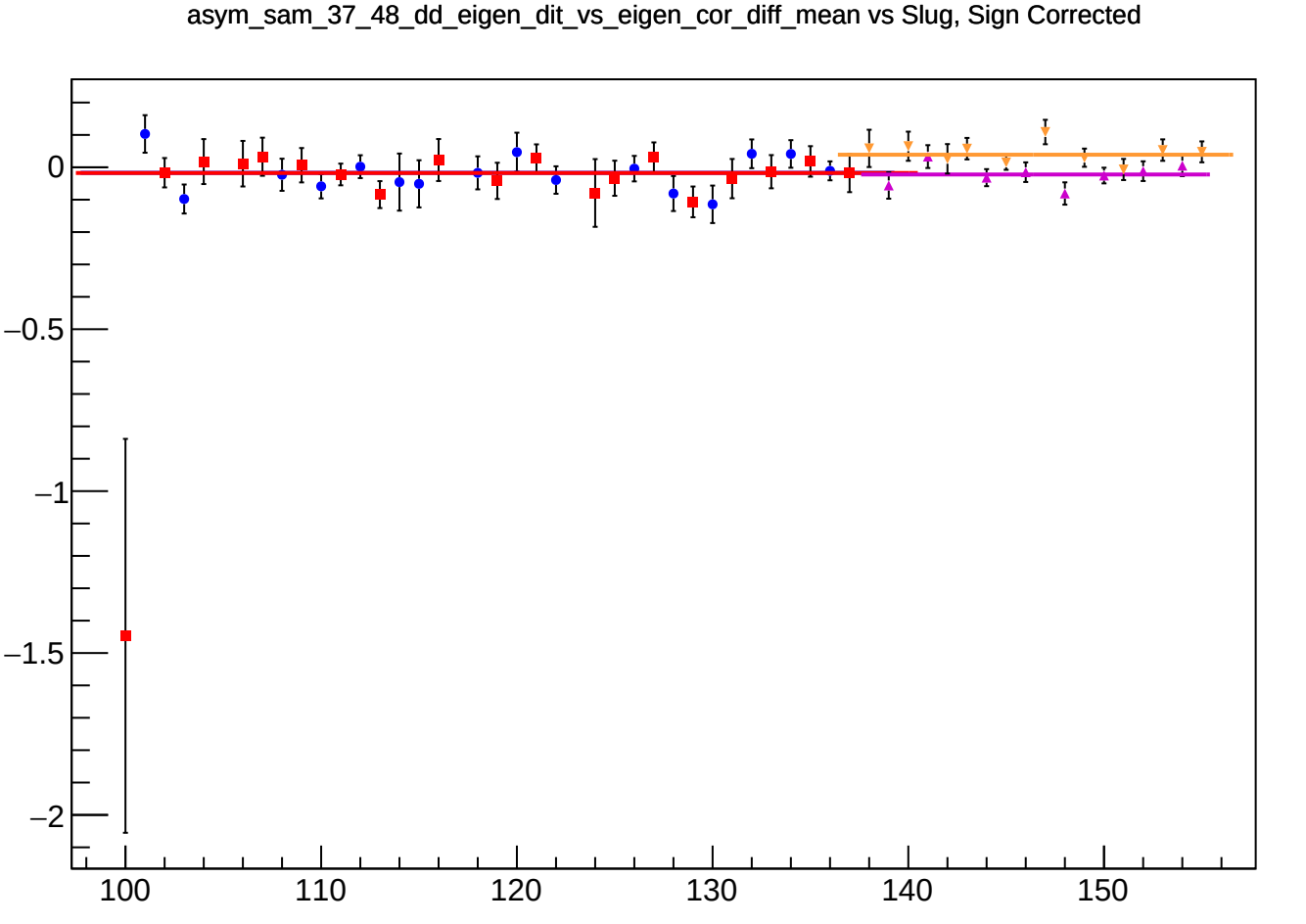
Left: 28.181+/-0.005 χ^2/NDF: 1055582.9/17

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.447+/-0.006 χ^2/NDF:889328.8/23

Out: 29.939+/-0.006 χ^2/NDF:1379325.7/28

All: 29.180+/-0.004 χ^2/NDF: 2304234.5/52



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.039+/-0.011 χ^2/NDF:7.7/9

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.022+/-0.011 χ^2/NDF:7.1/7

Left: 0.009+/-0.008 χ^2/NDF: 31.0/17

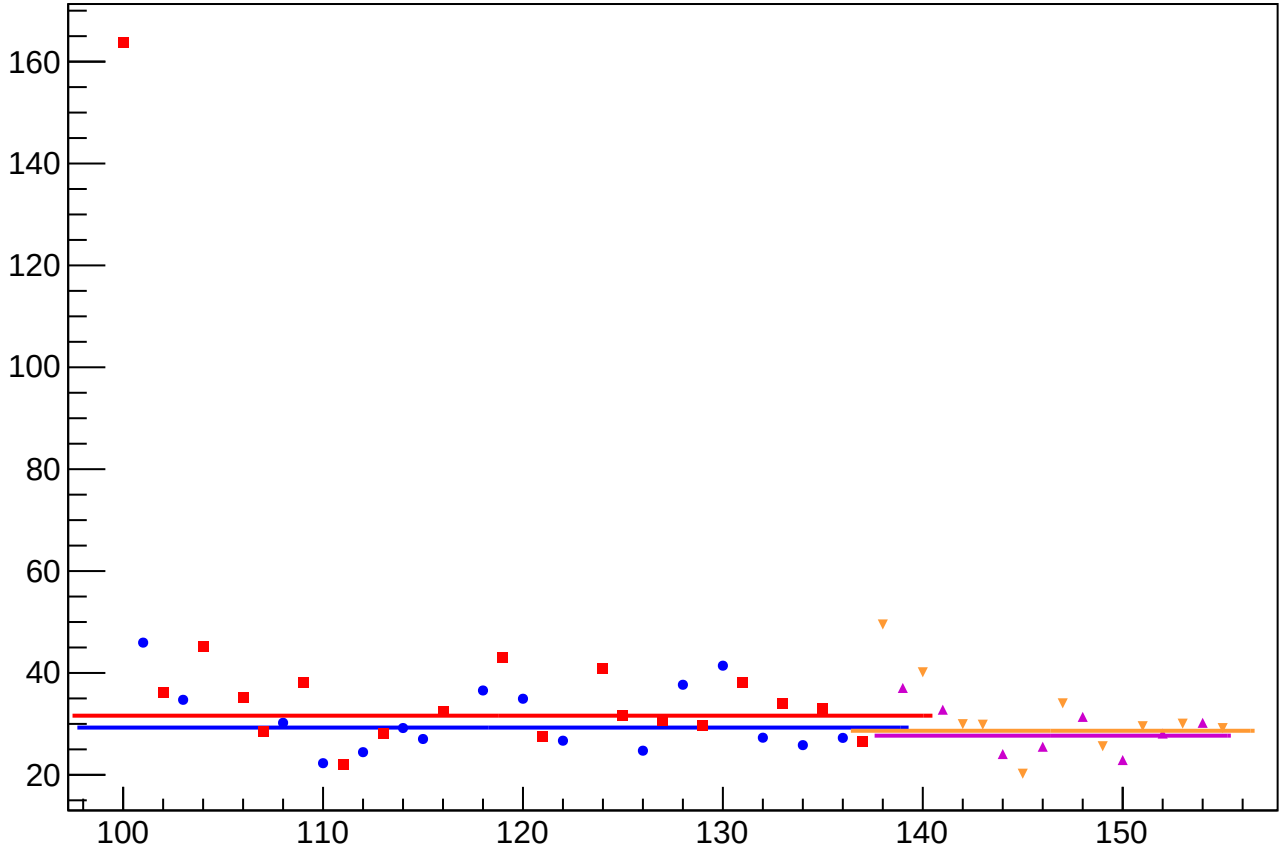
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.020+/-0.008 χ^2/NDF:26.0/23

Out: 0.014+/-0.008 χ^2/NDF:36.8/28

All: -0.003+/-0.006 χ^2/NDF: 72.2/52

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: 28.652+/-0.008 χ^2/NDF:739373.8/9

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.690+/-0.008 χ^2/NDF:308155.8/7

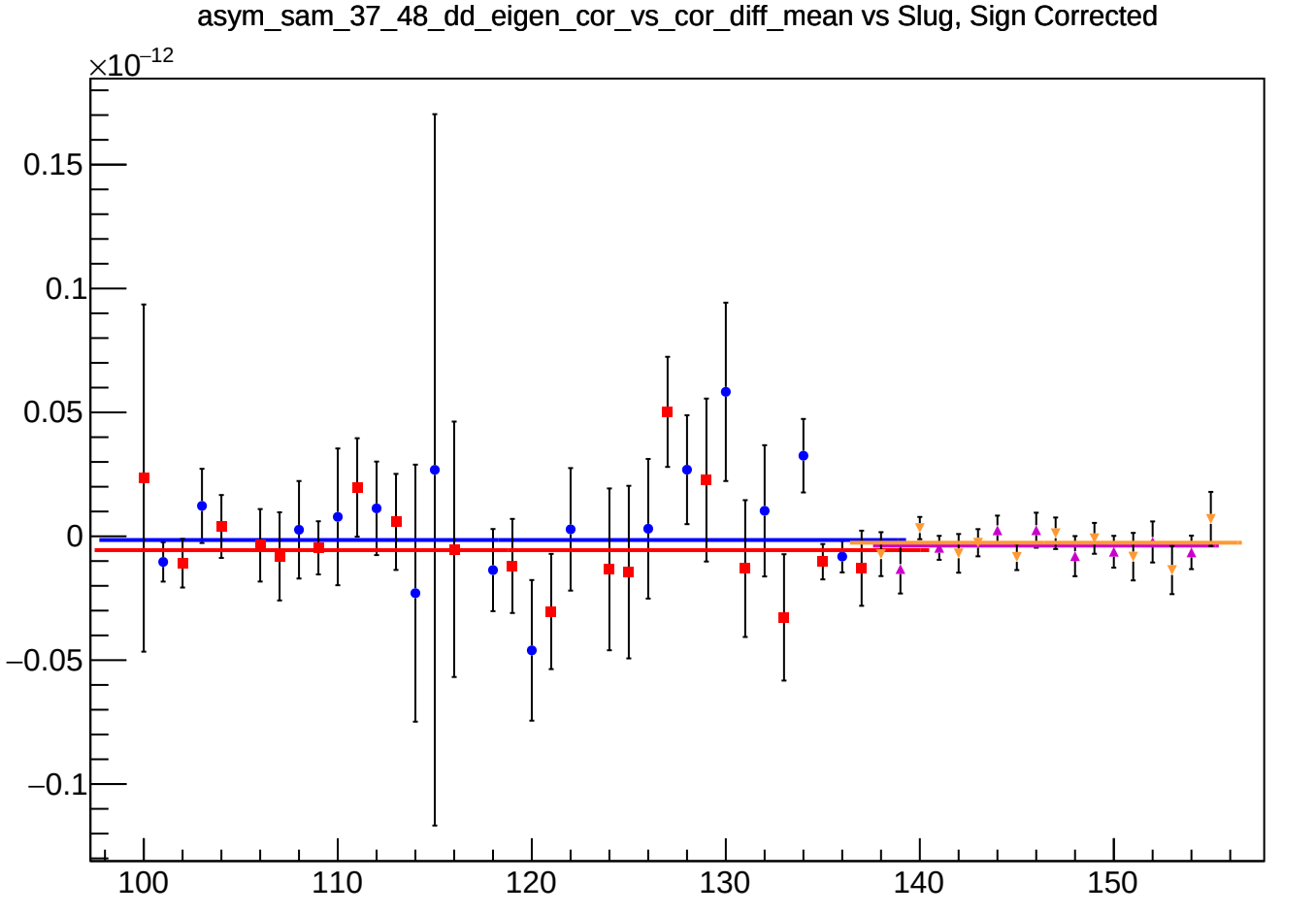
Left: 28.181+/-0.005 χ^2/NDF: 1055582.9/17

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.447+/-0.006 χ^2/NDF:889328.8/23

Out: 29.939+/-0.006 χ^2/NDF:1379325.7/28

All: 29.180+/-0.004 χ^2/NDF: 2304234.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/9

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.4/7

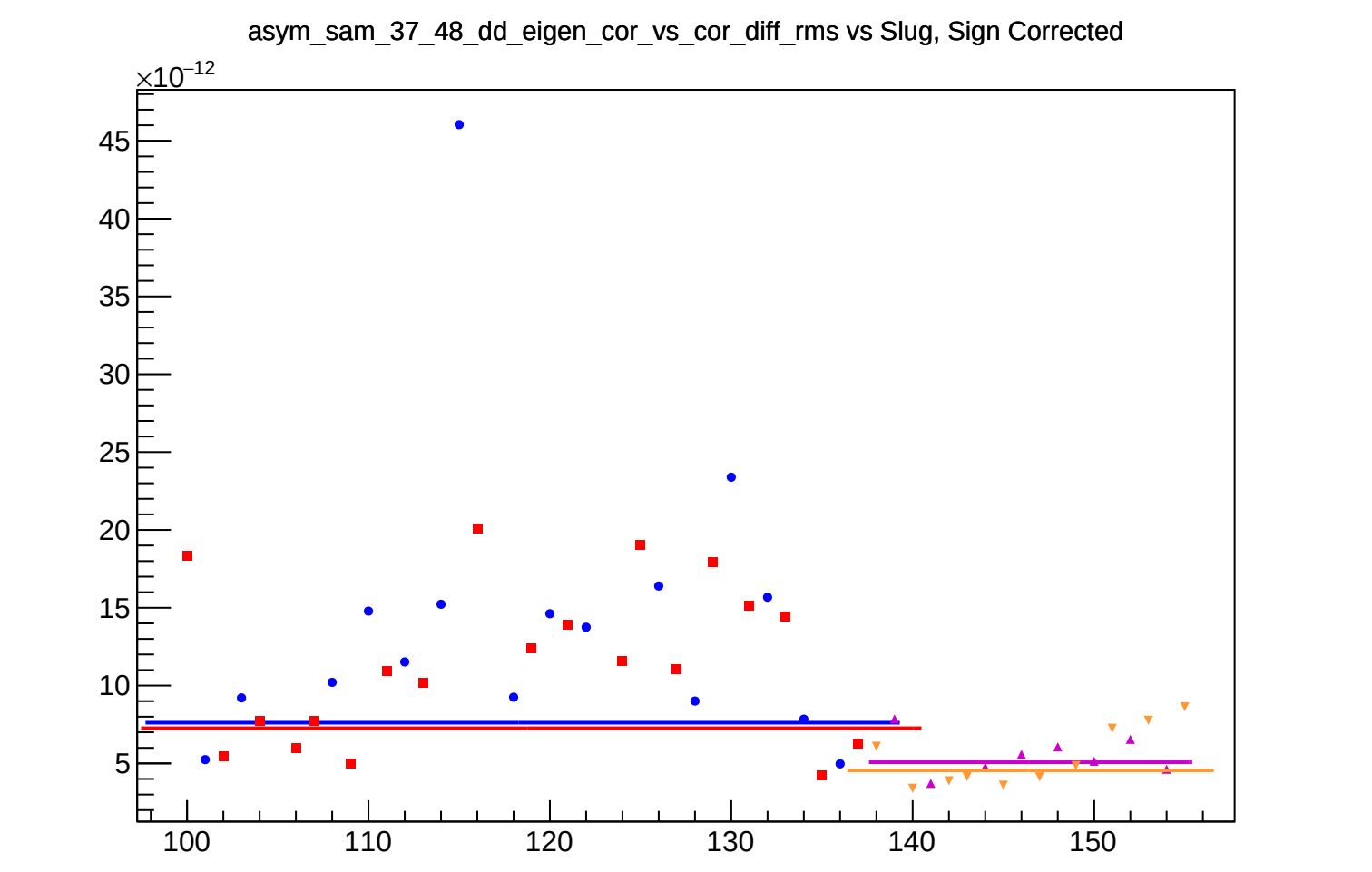
Left: -0.000+/-0.000 χ^2/NDF: 9.9/17

Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:20.6/23

Out: -0.000+/-0.000 χ^2/NDF:20.1/28

All: -0.000+/-0.000 χ^2/NDF: 40.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:951735.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:433590.5/7

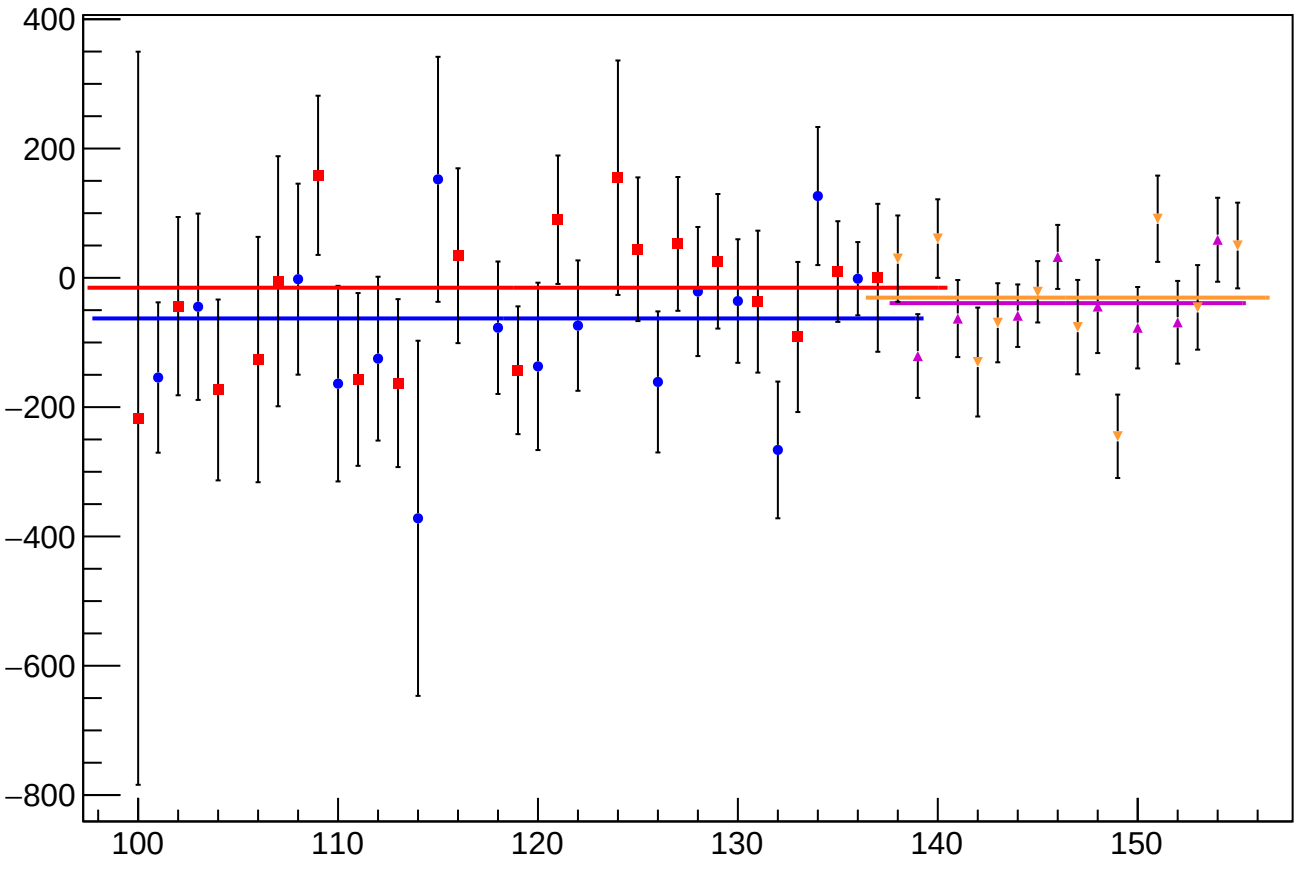
Left: 0.000+/-0.000 χ^2/NDF: 1439867.3/17

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3092399.4/23

Out: 0.000+/-0.000 χ^2/NDF:3777198.7/28

All: 0.000+/-0.000 χ^2/NDF: 6954109.8/52



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -30.628+/-20.156 χ^2/NDF:21.2/9

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -39.119+/-20.935 χ^2/NDF:6.9/7

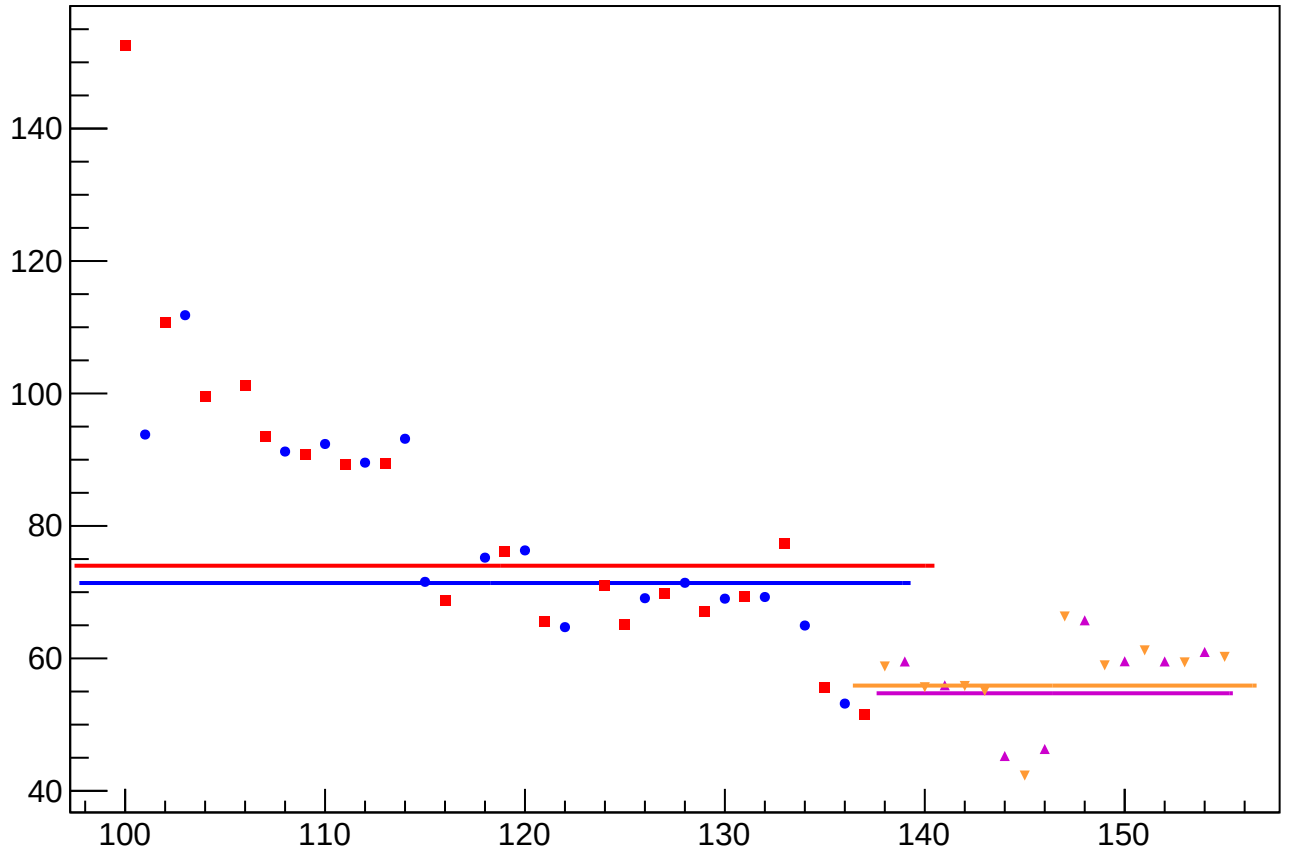
Left: -34.713+/-14.520 χ^2/NDF: 28.2/17

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -47.922+/-16.593 χ^2/NDF:20.8/23

Out: -25.335+/-16.312 χ^2/NDF:32.9/28

All: -36.436+/-11.632 χ^2/NDF: 54.7/52



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 55.897+/-0.014 χ^2/NDF:240452.9/9

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 54.735+/-0.015 χ^2/NDF:234582.9/7

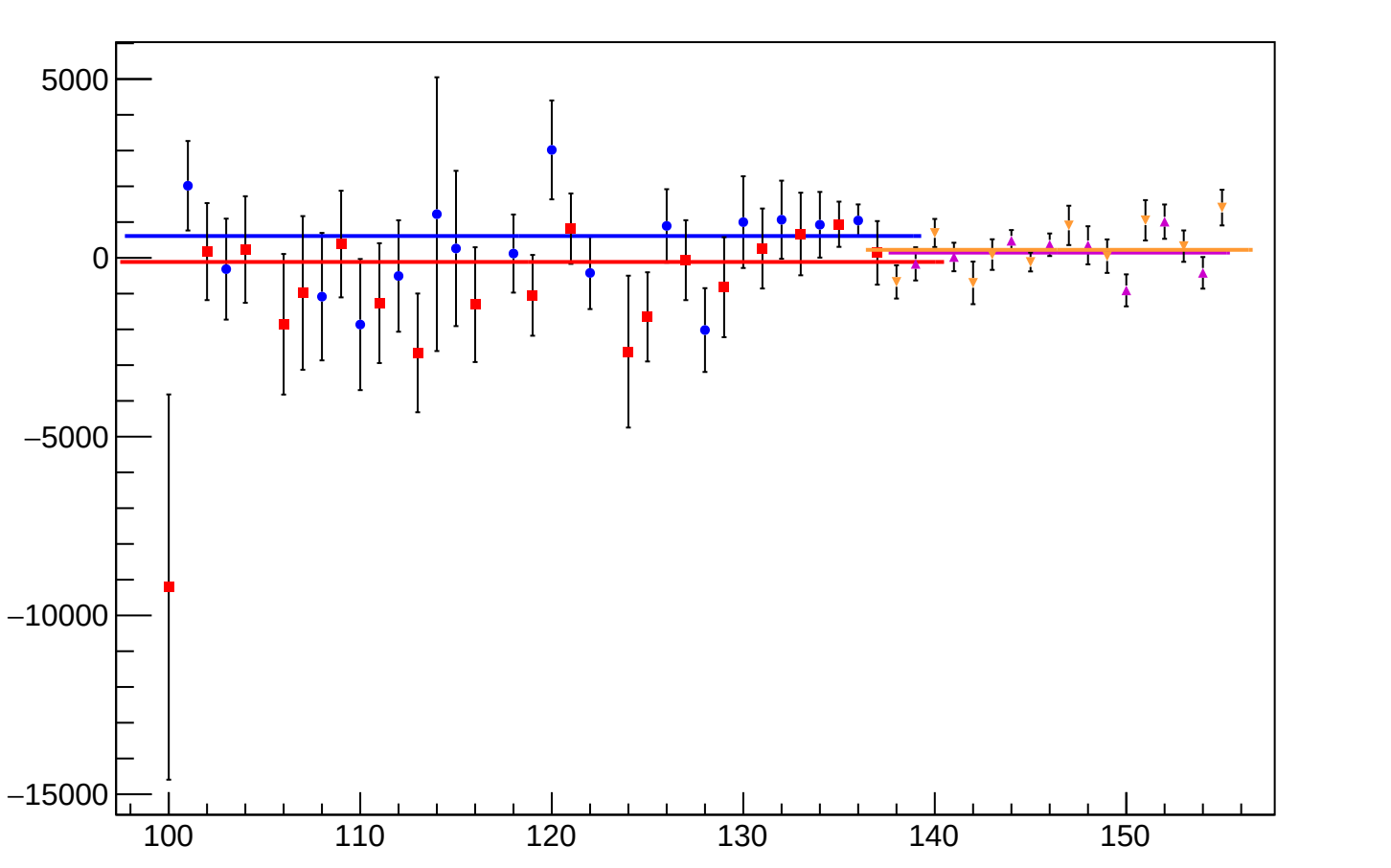
Left: 55.338+/-0.010 χ^2/NDF: 478234.8/17

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.925+/-0.012 χ^2/NDF:1295742.6/23

Out: 62.141+/-0.012 χ^2/NDF:1435184.0/28

All: 61.543+/-0.008 χ^2/NDF: 2736392.8/52



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 224.285+/-136.119 χ^2/NDF:18.8/9

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 146.507+/-141.234 χ^2/NDF:12.9/7

Left: 186.830+/-98.009 χ^2/NDF: 31.8/17

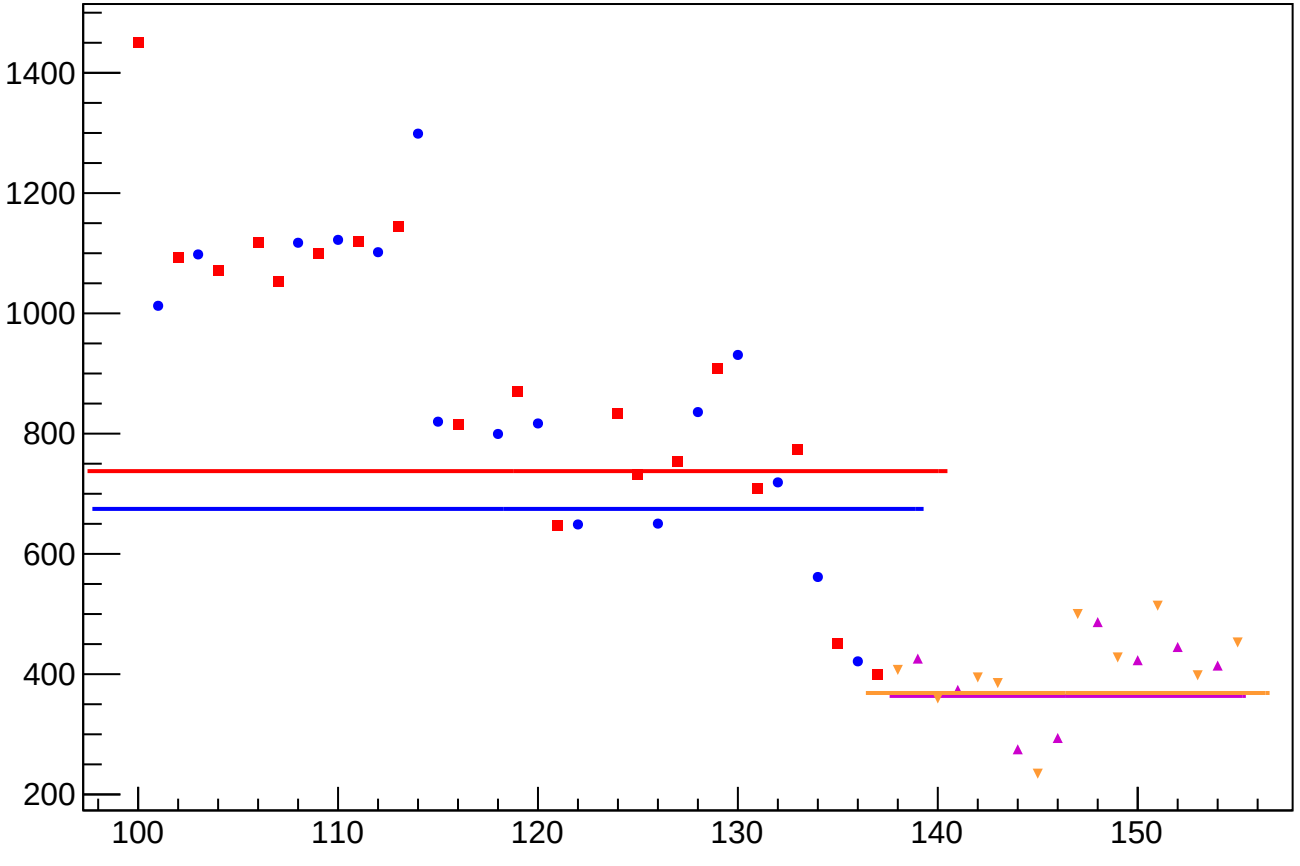
Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 248.081+/-124.824 χ^2/NDF:30.9/23

Out: 161.086+/-122.773 χ^2/NDF:35.5/28

All: 203.863+/-87.530 χ^2/NDF: 66.7/52

asym_sam_15_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 368.709+/-0.096 χ^2/NDF:883269.2/9

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 363.825+/-0.100 χ^2/NDF:536345.1/7

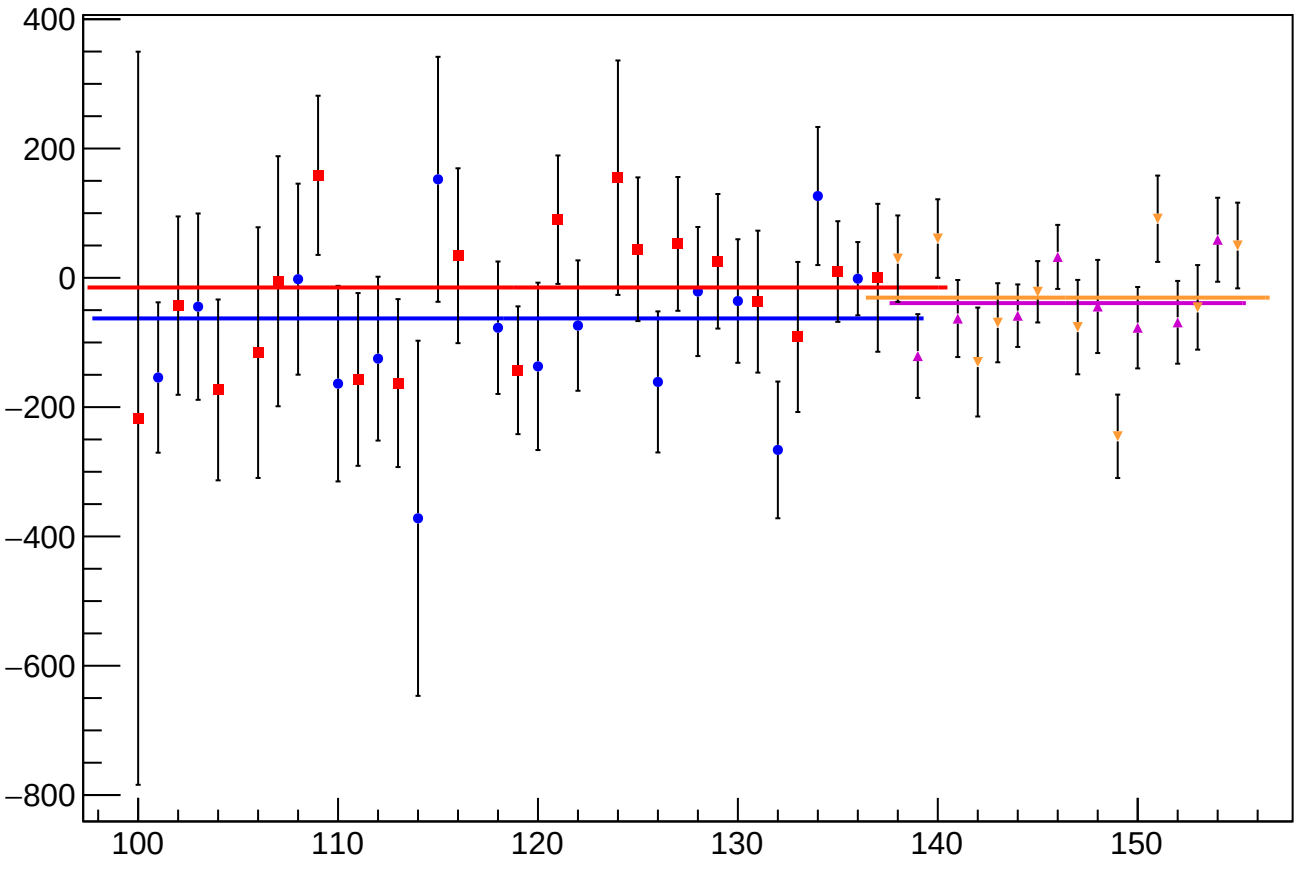
Left: 366.357+/-0.069 χ^2/NDF: 1420854.4/17

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 431.899+/-0.088 χ^2/NDF:4276713.9/23

Out: 437.511+/-0.087 χ^2/NDF:5140216.6/28

All: 434.752+/-0.062 χ^2/NDF: 9418985.6/52



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -30.629+/-20.156 χ^2/NDF:21.2/9

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -39.119+/-20.935 χ^2/NDF:6.9/7

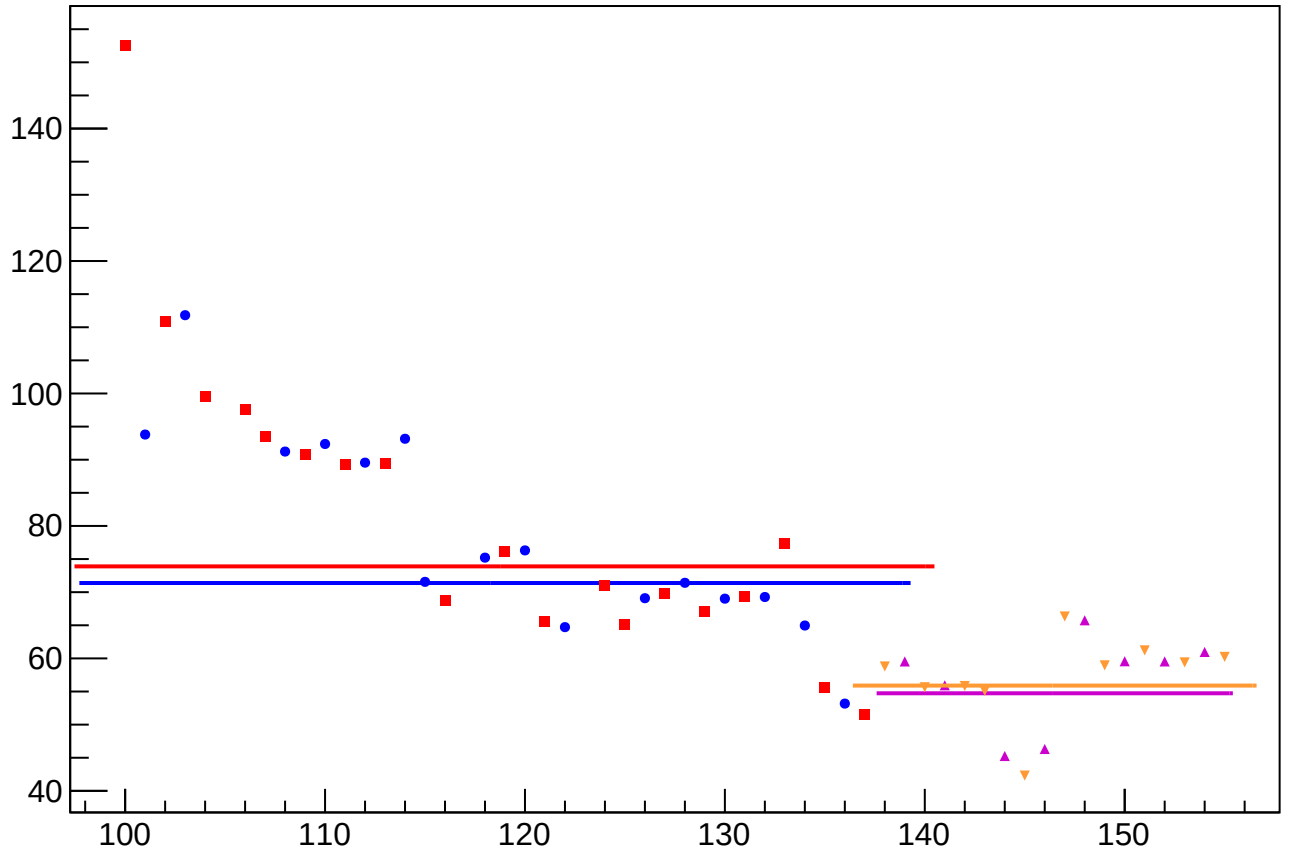
Left: -34.713+/-14.520 χ^2/NDF: 28.2/17

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -47.920+/-16.593 χ^2/NDF:20.8/23

Out: -25.216+/-16.315 χ^2/NDF:32.8/28

All: -36.376+/-11.633 χ^2/NDF: 54.6/52



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.897+/-0.014 χ^2/NDF:240452.9/9

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 54.735+/-0.015 χ^2/NDF:234582.9/7

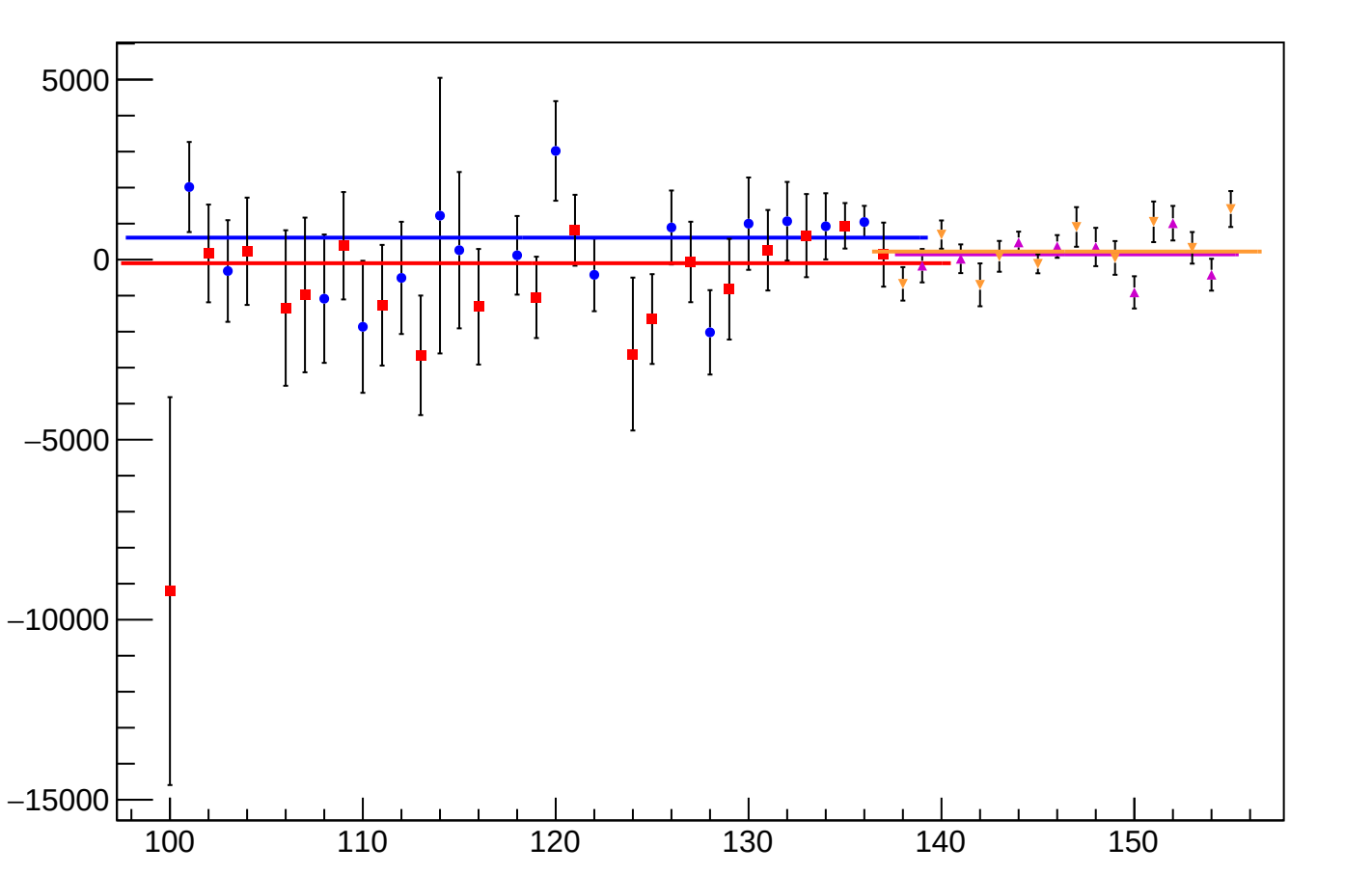
Left: 55.338+/-0.010 χ^2/NDF: 478234.8/17

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.925+/-0.012 χ^2/NDF:1295745.3/23

Out: 62.103+/-0.012 χ^2/NDF:1417293.8/28

All: 61.524+/-0.008 χ^2/NDF: 2718165.7/52



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 224.284+/-136.119 χ^2/NDF:18.8/9

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 146.506+/-141.234 χ^2/NDF:12.9/7

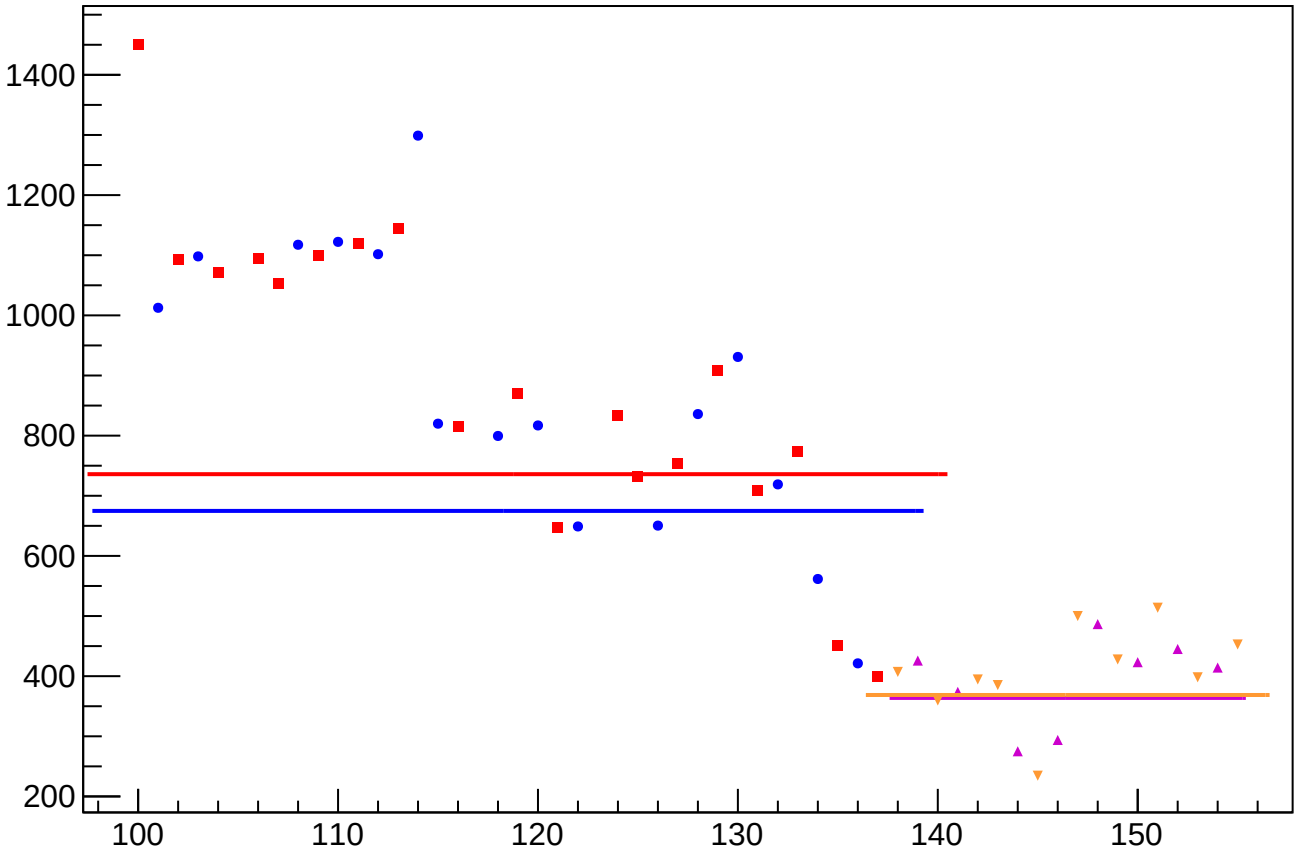
Left: 186.829+/-98.009 χ^2/NDF: 31.8/17

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 248.077+/-124.824 χ^2/NDF:30.9/23

Out: 164.075+/-122.815 χ^2/NDF:35.0/28

All: 205.395+/-87.545 χ^2/NDF: 66.1/52



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 368.709+/-0.096 χ^2/NDF:883275.6/9

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 363.825+/-0.100 χ^2/NDF:536345.4/7

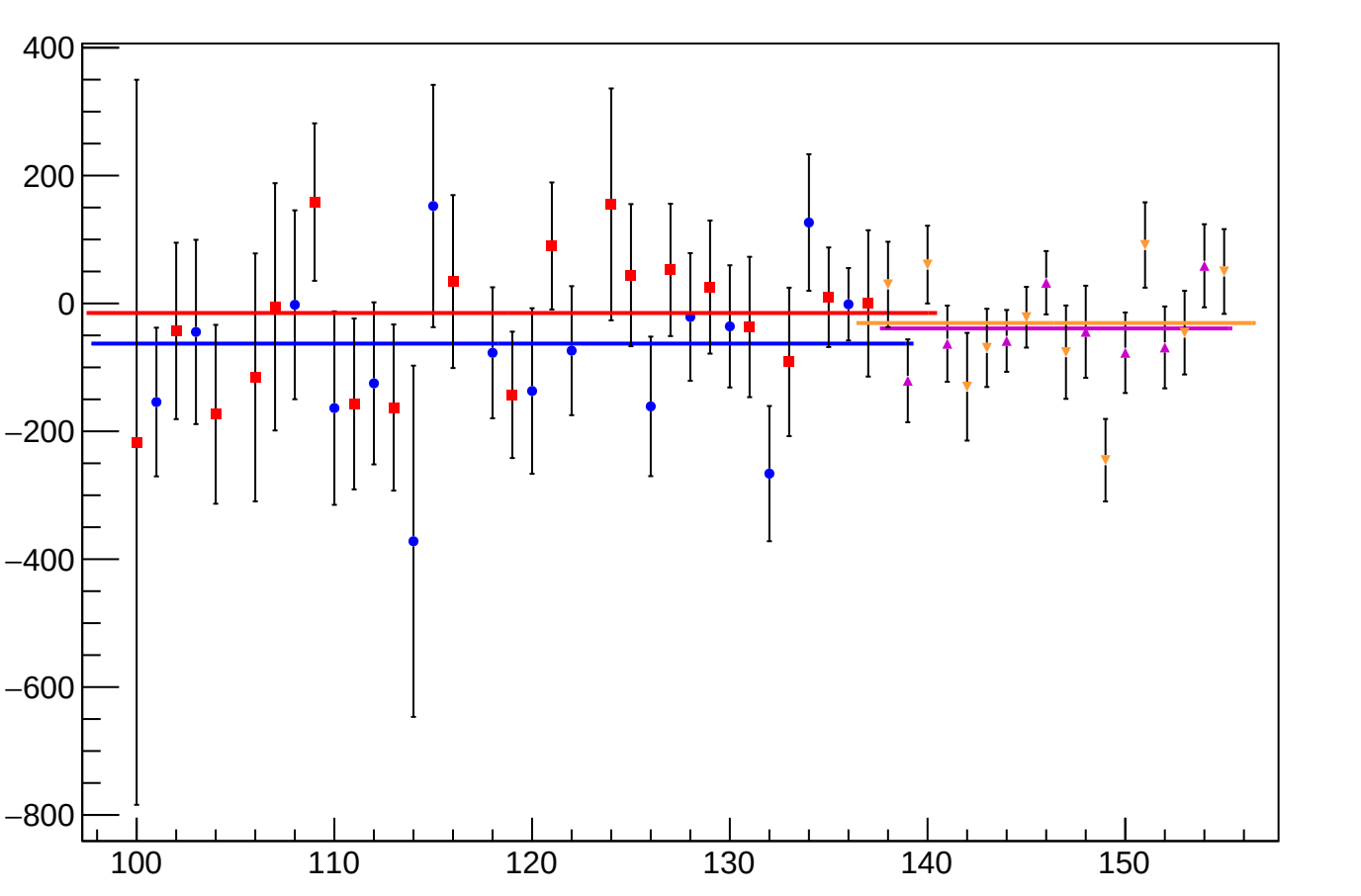
Left: 366.357+/-0.069 χ^2/NDF: 1420860.8/17

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 431.899+/-0.088 χ^2/NDF:4276738.2/23

Out: 436.981+/-0.087 χ^2/NDF:5086407.2/28

All: 434.481+/-0.062 χ^2/NDF: 9364829.8/52



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -30.629+/-20.156 χ^2/NDF:21.2/9

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -39.119+/-20.935 χ^2/NDF:6.9/7

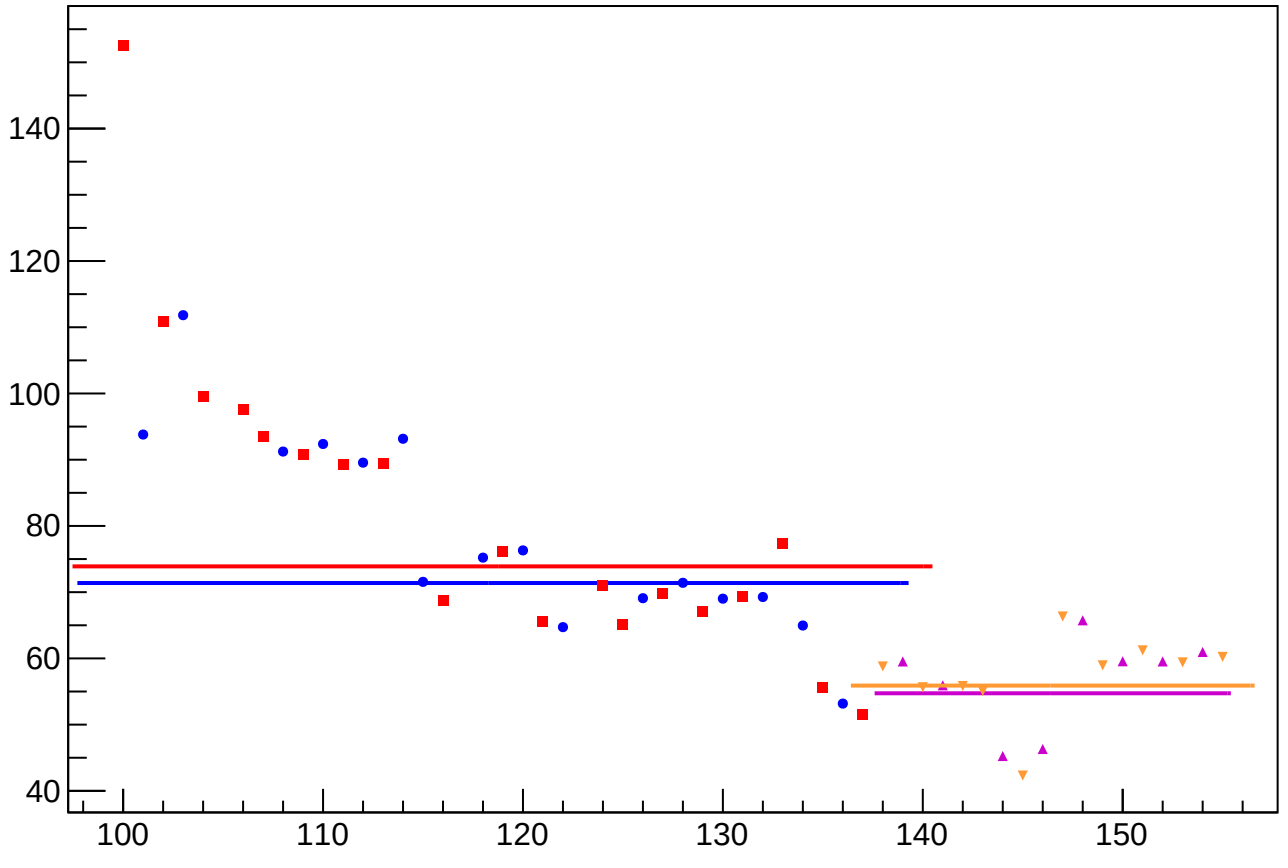
Left: -34.713+/-14.520 χ^2/NDF: 28.2/17

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -47.920+/-16.593 χ^2/NDF:20.8/23

Out: -25.216+/-16.315 χ^2/NDF:32.8/28

All: -36.376+/-11.633 χ^2/NDF: 54.6/52



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.897+/-0.014 χ^2/NDF:240452.9/9

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 54.735+/-0.015 χ^2/NDF:234582.9/7

Left: 55.338+/-0.010 χ^2/NDF: 478234.8/17

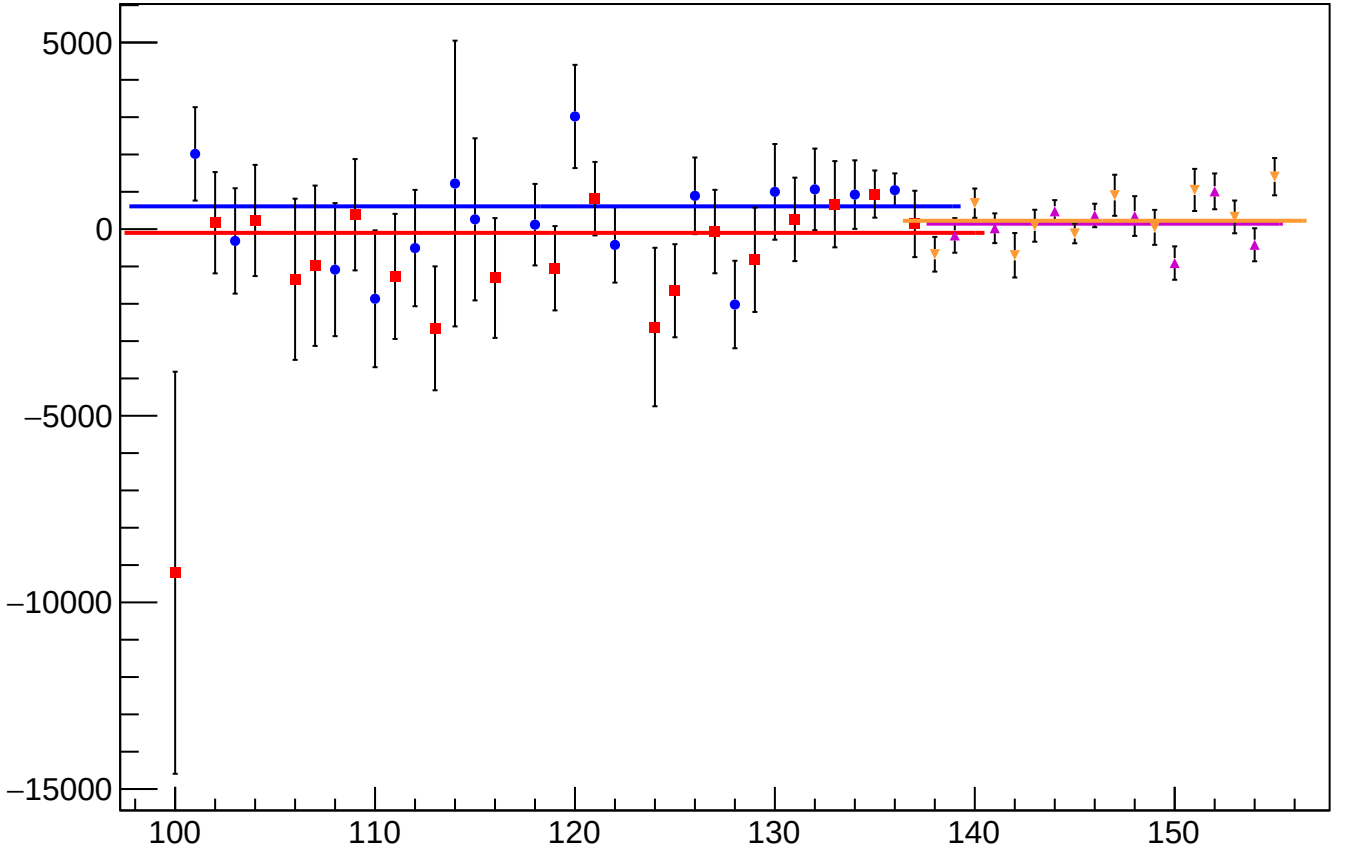
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.925+/-0.012 χ^2/NDF:1295745.3/23

Out: 62.103+/-0.012 χ^2/NDF:1417293.8/28

All: 61.524+/-0.008 χ^2/NDF: 2718165.7/52

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 224.284+/-136.119 χ^2/NDF:18.8/9

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 146.506+/-141.234 χ^2/NDF:12.9/7

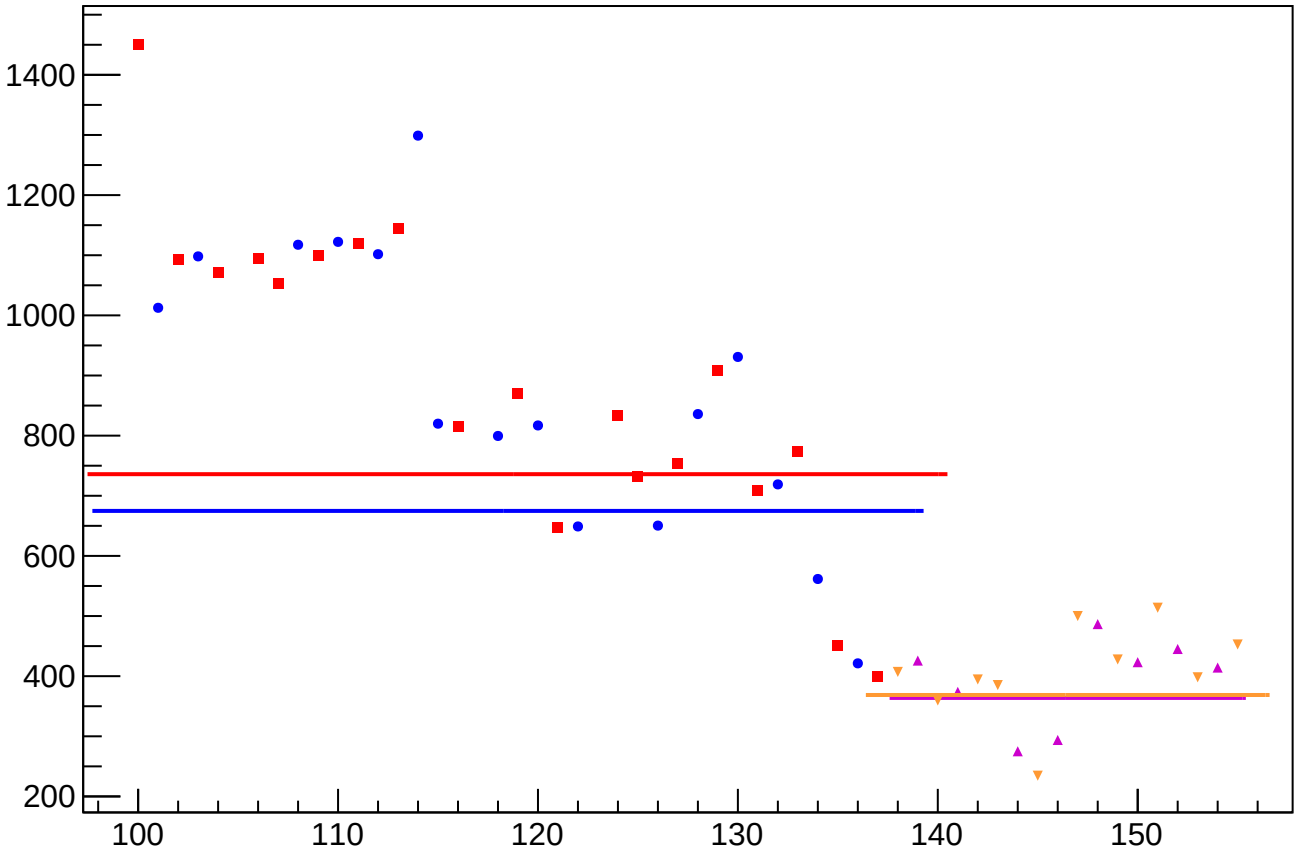
Left: 186.829+/-98.009 χ^2/NDF: 31.8/17

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 248.077+/-124.824 χ^2/NDF:30.9/23

Out: 164.075+/-122.815 χ^2/NDF:35.0/28

All: 205.395+/-87.545 χ^2/NDF: 66.1/52



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 368.709+/-0.096 χ^2/NDF:883275.6/9

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 363.825+/-0.100 χ^2/NDF:536345.4/7

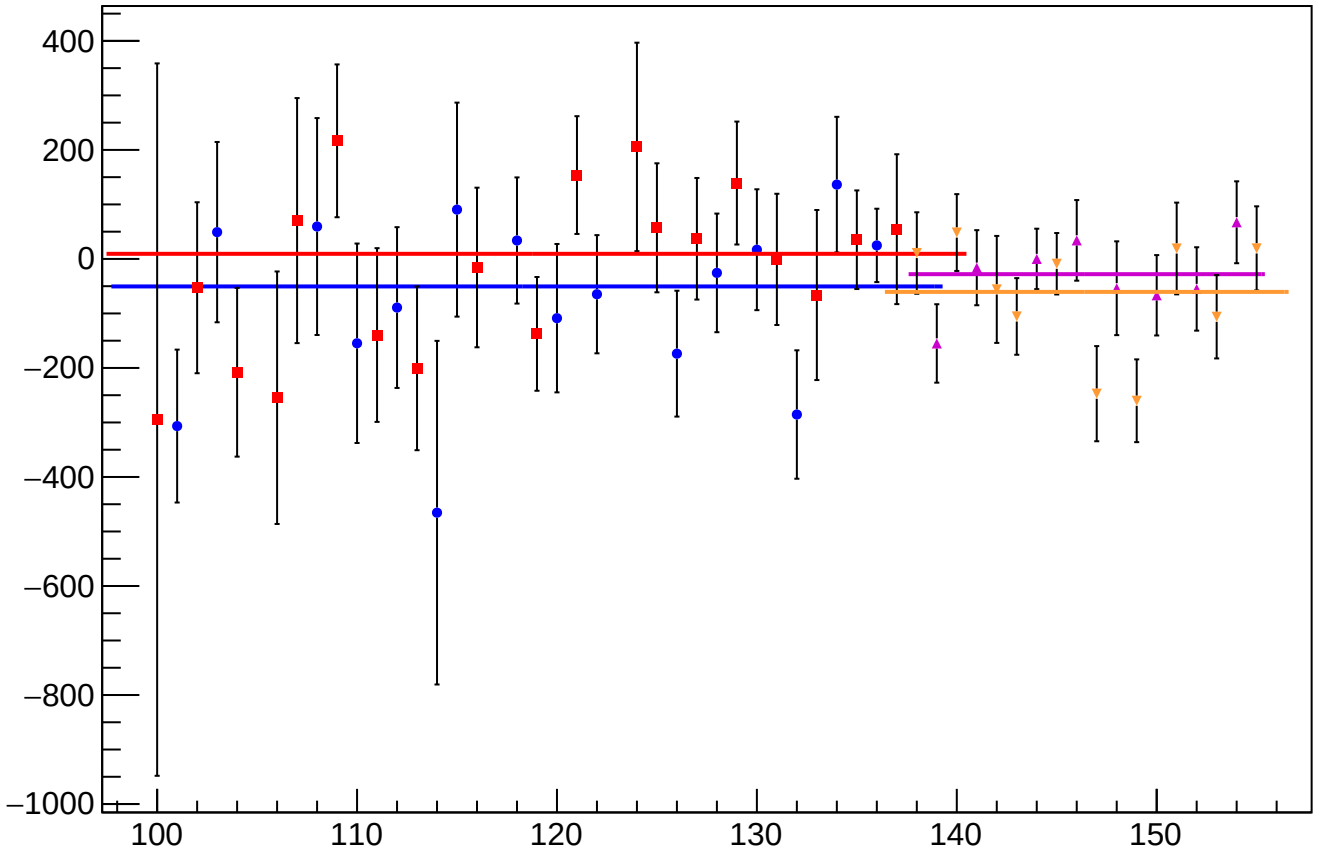
Left: 366.357+/-0.069 χ^2/NDF: 1420860.8/17

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 431.899+/-0.088 χ^2/NDF:4276738.2/23

Out: 436.981+/-0.087 χ^2/NDF:5086407.2/28

All: 434.481+/-0.062 χ^2/NDF: 9364829.8/52



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -60.470+/-23.659 χ^2/NDF:18.4/9

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -27.945+/-25.162 χ^2/NDF:6.2/7

Left: -45.208+/-17.236 χ^2/NDF: 25.5/17

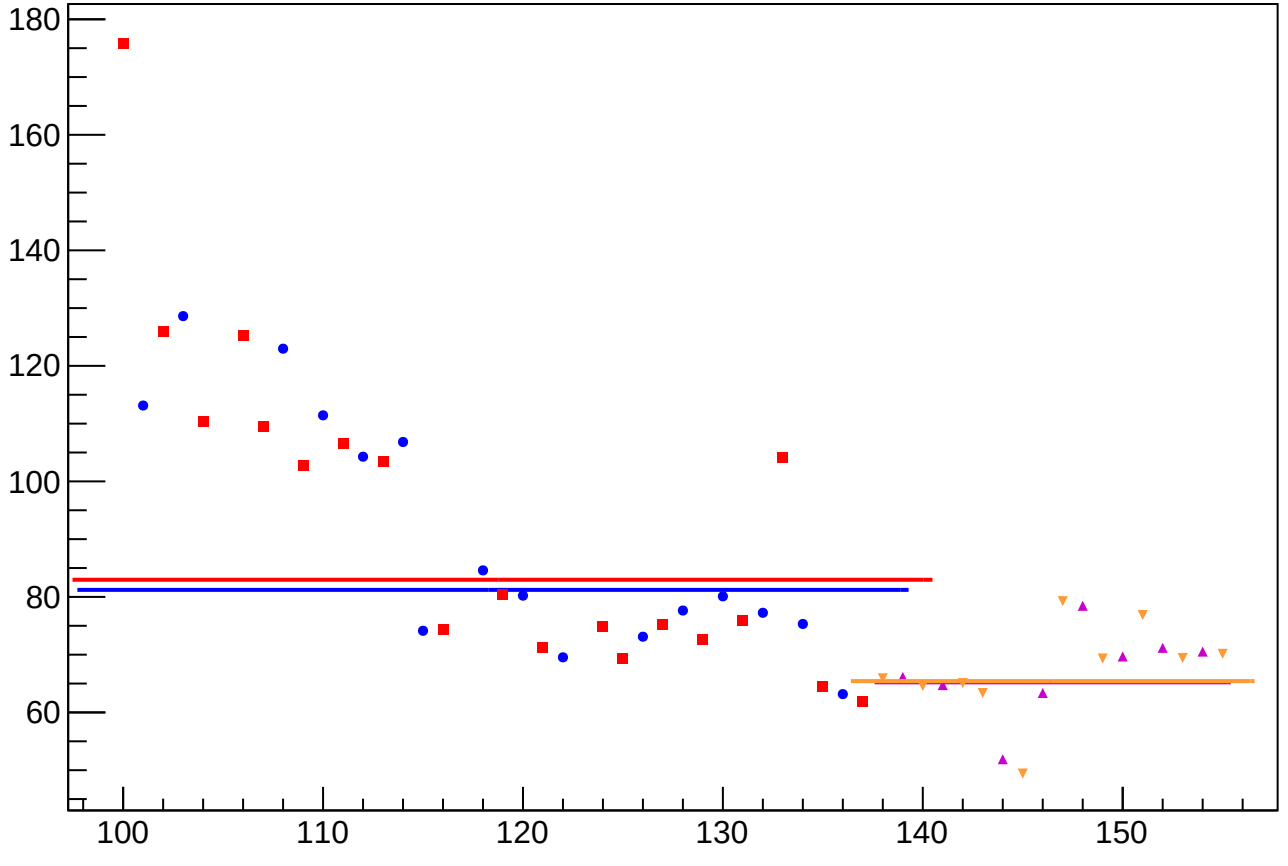
Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -36.868+/-19.552 χ^2/NDF:22.9/23

Out: -35.005+/-18.859 χ^2/NDF:37.1/28

All: -35.903+/-13.574 χ^2/NDF: 60.1/52

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 65.426+/-0.017 χ^2/NDF:268861.6/9

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 65.207+/-0.018 χ^2/NDF:194108.4/7

Left: 65.323+/-0.012 χ^2/NDF: 463049.8/17

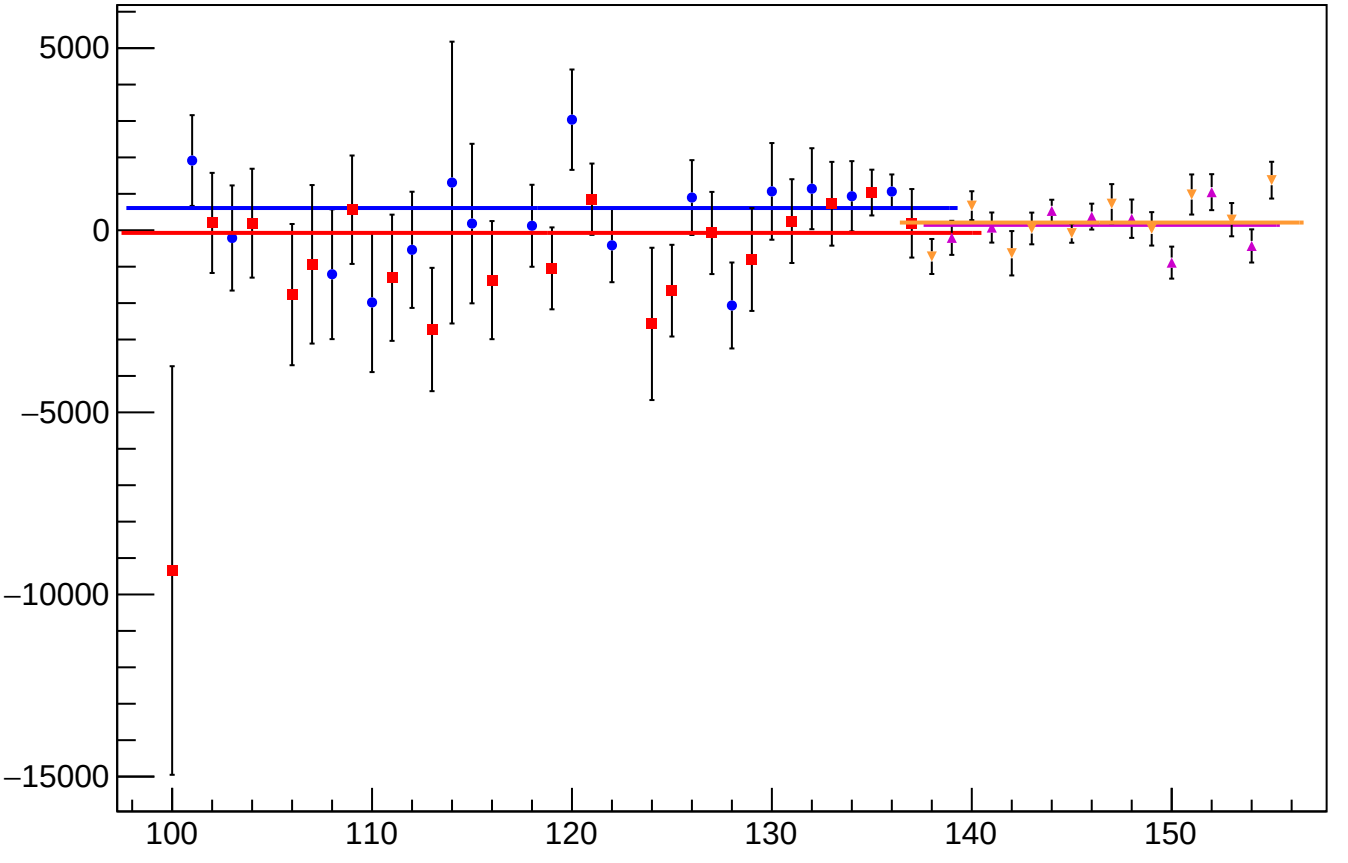
Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.551+/-0.014 χ^2/NDF:1177823.2/23

Out: 71.822+/-0.013 χ^2/NDF:1400246.9/28

All: 71.691+/-0.010 χ^2/NDF: 2578269.1/52

asym_sam_15_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 211.394+/-136.816 χ^2/NDF:16.8/9

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 148.011+/-146.206 χ^2/NDF:13.2/7

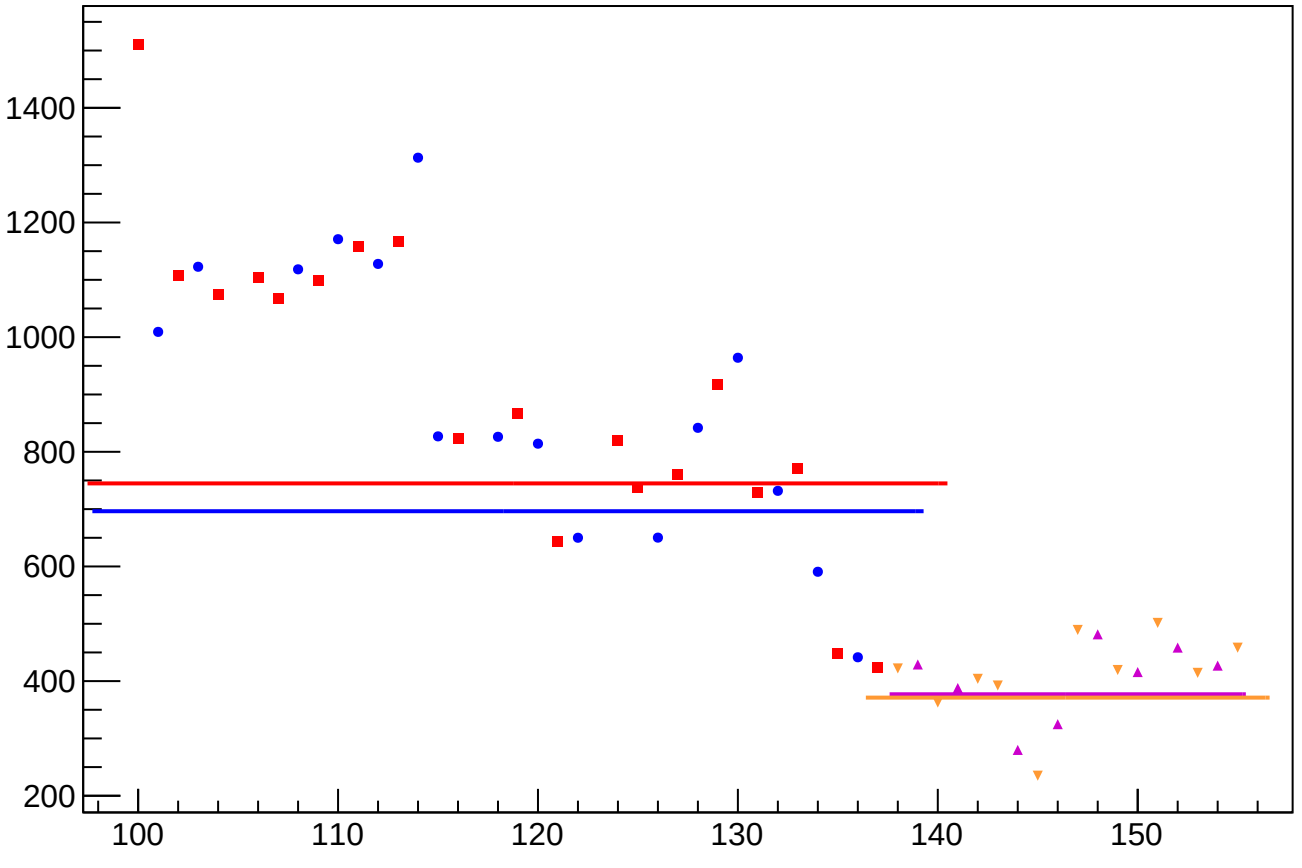
Left: 181.803+/-99.898 χ^2/NDF: 30.1/17

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 250.494+/-128.989 χ^2/NDF:31.2/23

Out: 158.809+/-123.487 χ^2/NDF:33.8/28

All: 202.655+/-89.200 χ^2/NDF: 65.2/52



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 371.204+/-0.097 χ^2/NDF:880618.6/9

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 377.045+/-0.103 χ^2/NDF:444298.5/7

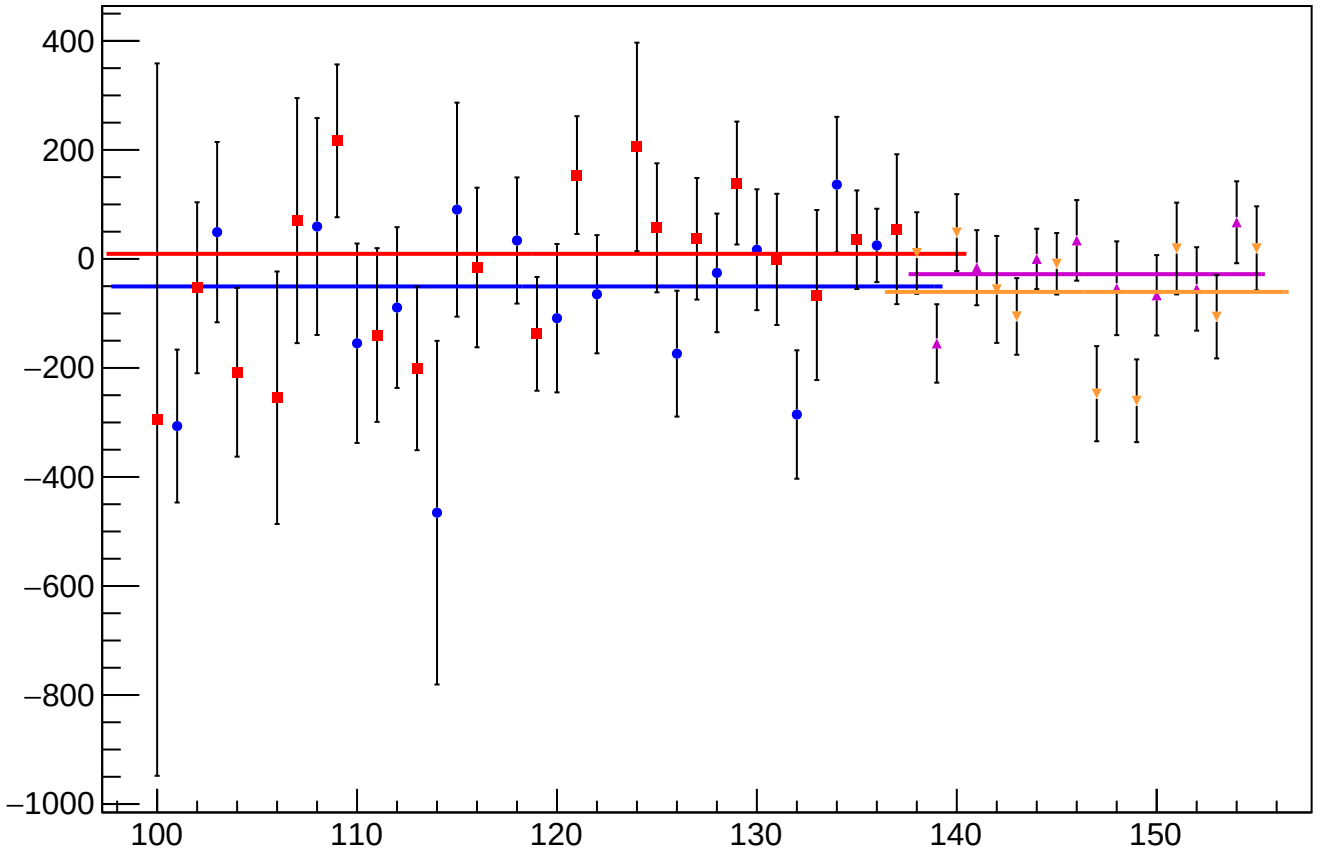
Left: 373.931+/-0.071 χ^2/NDF: 1326619.4/17

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 447.823+/-0.091 χ^2/NDF:4074385.7/23

Out: 440.464+/-0.087 χ^2/NDF:5144207.1/28

All: 443.983+/-0.063 χ^2/NDF: 9221989.7/52



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -60.469+/-23.659 χ^2/NDF:18.4/9

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -27.944+/-25.162 χ^2/NDF:6.2/7

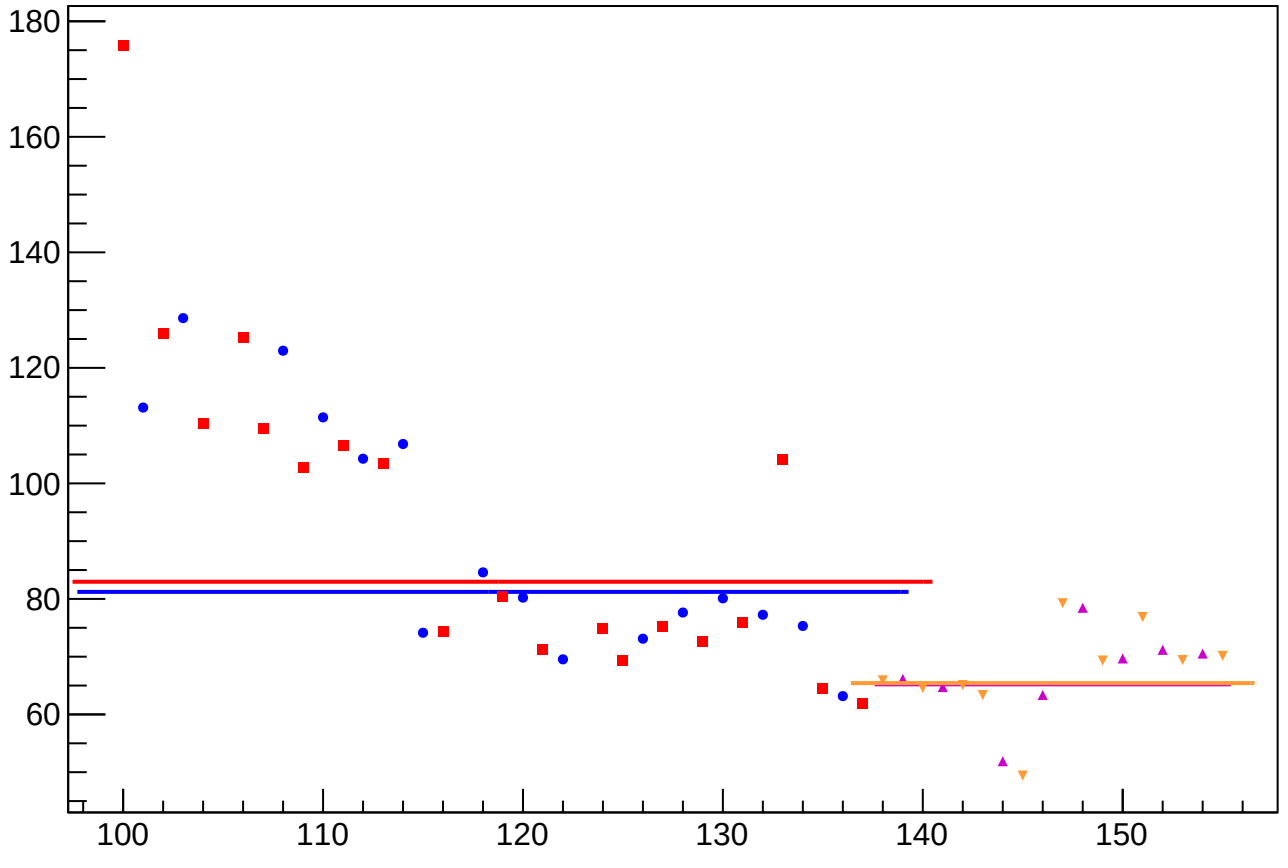
Left: -45.207+/-17.236 χ^2/NDF: 25.5/17

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -36.868+/-19.552 χ^2/NDF:22.9/23

Out: -35.004+/-18.859 χ^2/NDF:37.1/28

All: -35.902+/-13.574 χ^2/NDF: 60.1/52



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 65.426+/-0.017 χ^2/NDF:268856.2/9

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 65.208+/-0.018 χ^2/NDF:194107.5/7

Left: 65.323+/-0.012 χ^2/NDF: 463043.5/17

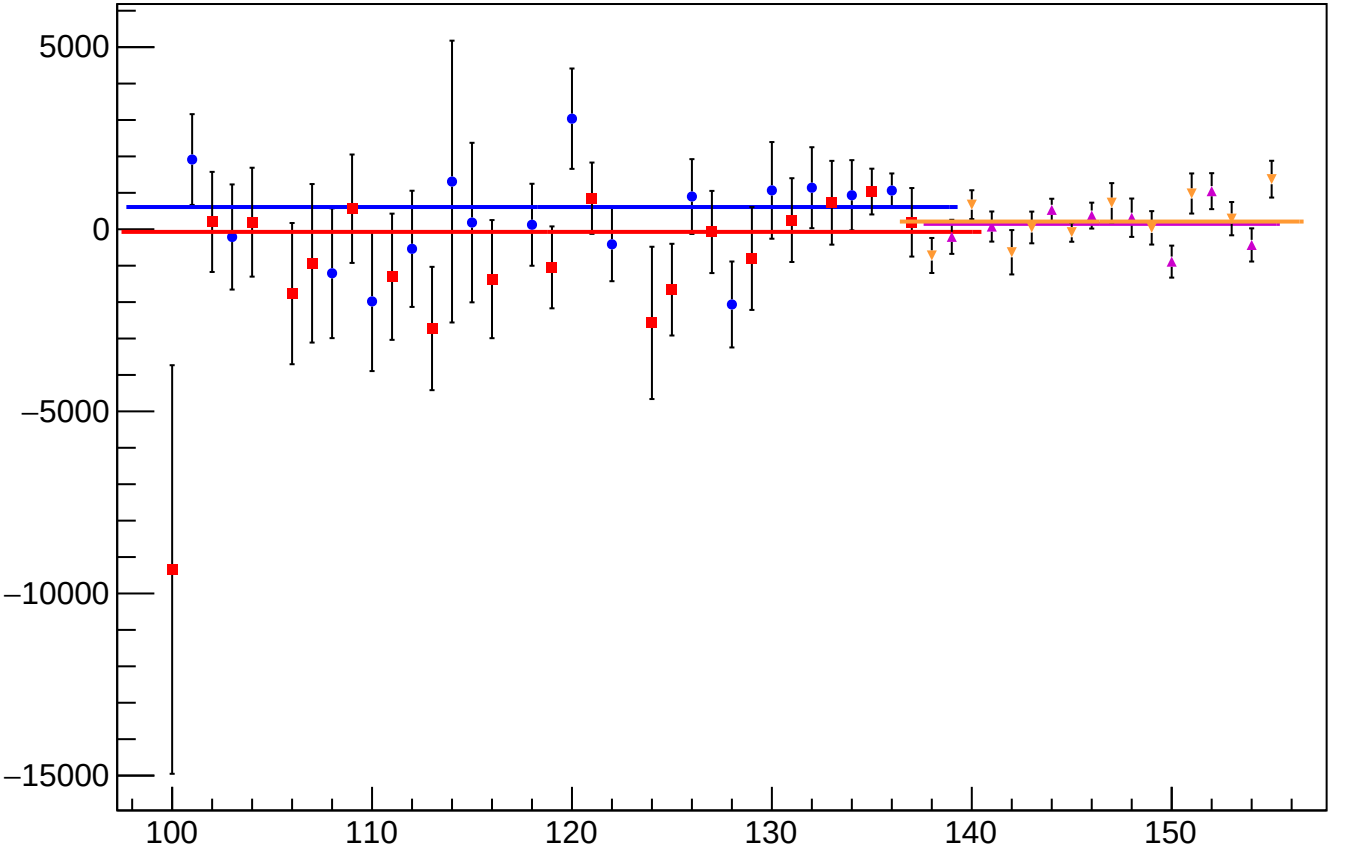
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.551+/-0.014 χ^2/NDF:1177784.1/23

Out: 71.822+/-0.013 χ^2/NDF:1400209.9/28

All: 71.691+/-0.010 χ^2/NDF: 2578193.1/52

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: 211.393+/-136.816 χ^2/NDF:16.8/9

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 148.011+/-146.206 χ^2/NDF:13.2/7

Left: 181.803+/-99.898 χ^2/NDF: 30.1/17

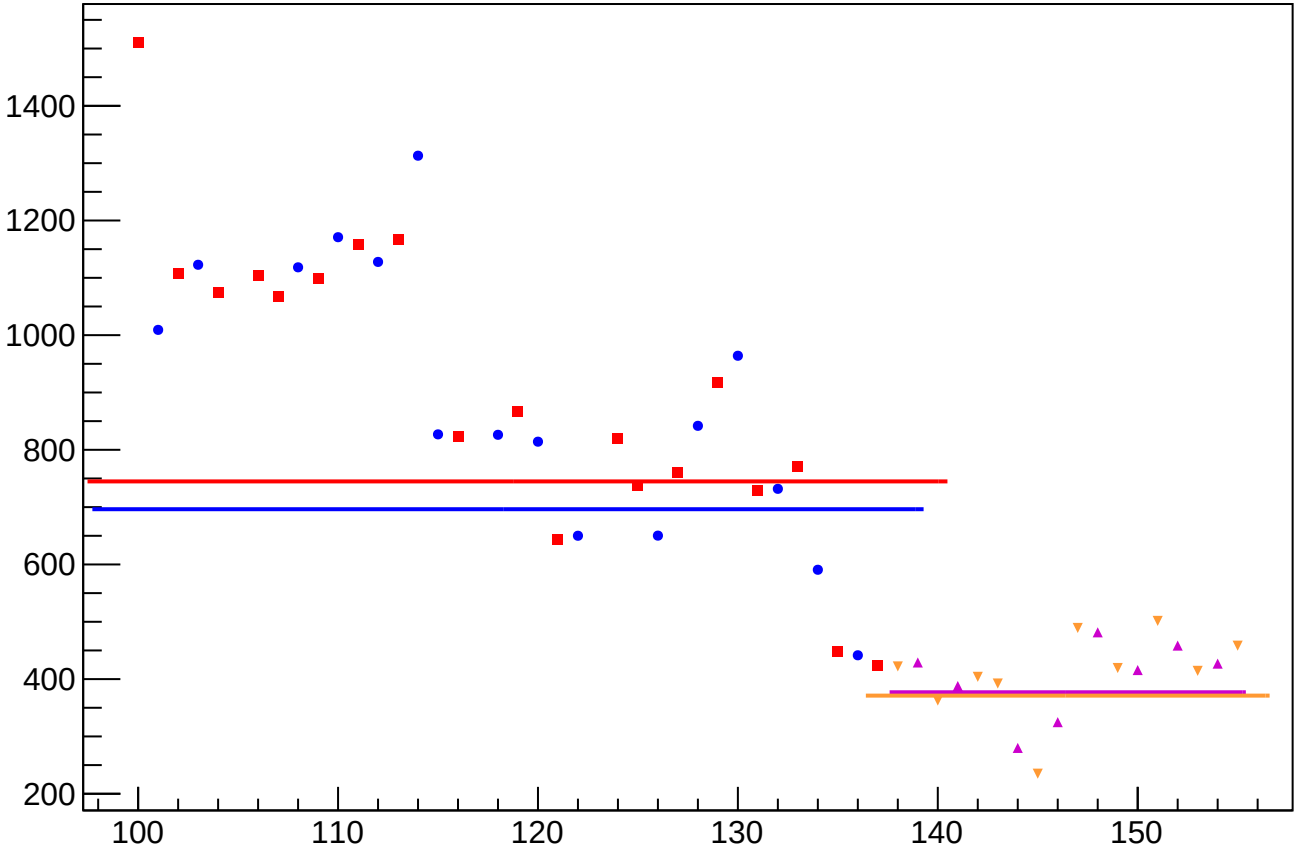
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 250.495+/-128.989 χ^2/NDF:31.2/23

Out: 158.808+/-123.487 χ^2/NDF:33.8/28

All: 202.654+/-89.200 χ^2/NDF: 65.2/52

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 371.203+/-0.097 χ^2/NDF:880637.3/9

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 377.046+/-0.103 χ^2/NDF:444304.9/7

Left: 373.931+/-0.071 χ^2/NDF: 1326644.7/17

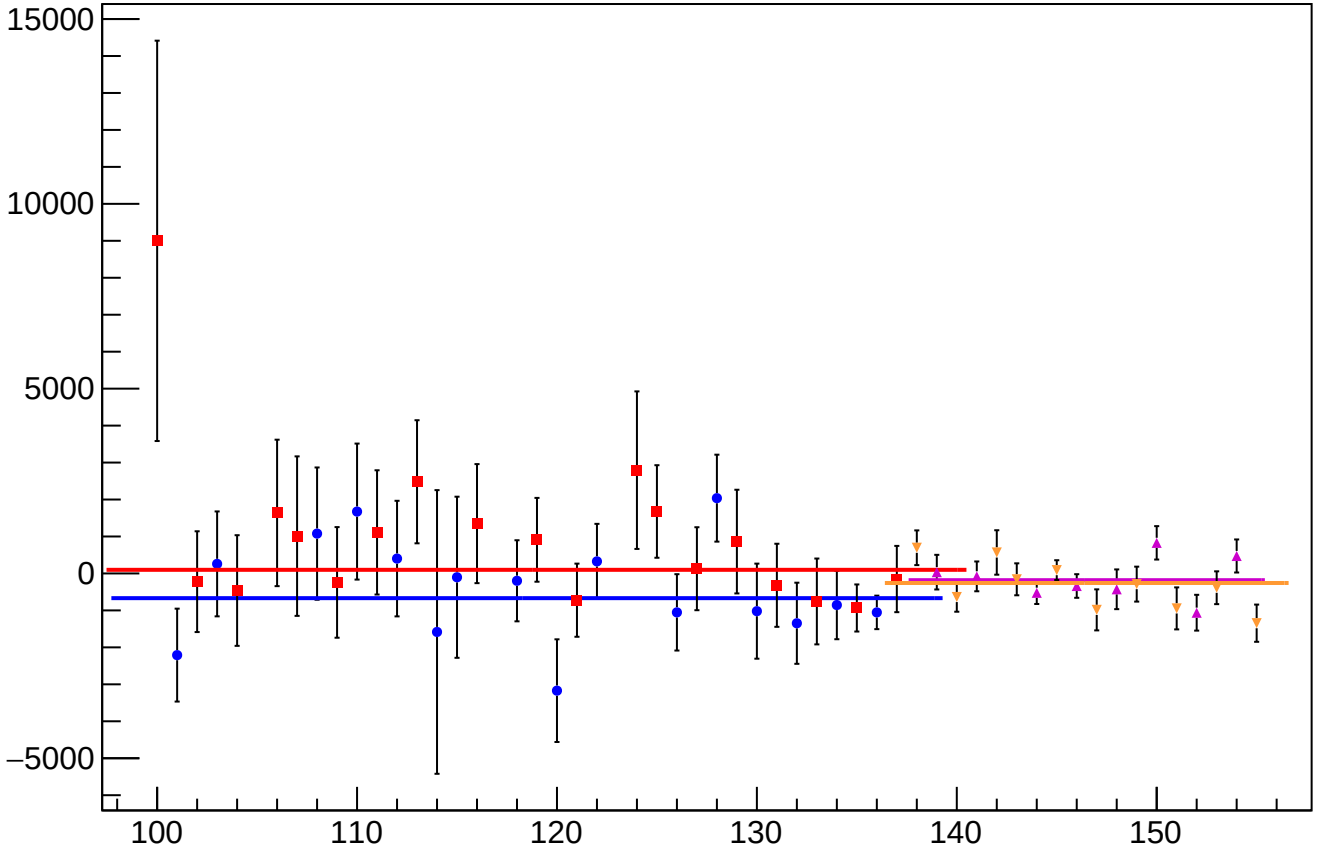
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 447.823+/-0.091 χ^2/NDF:4074368.1/23

Out: 440.464+/-0.087 χ^2/NDF:5144208.0/28

All: 443.983+/-0.063 χ^2/NDF: 9221973.3/52

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -258.022+/-137.720 χ^2/NDF:16.6/9

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -182.313+/-142.876 χ^2/NDF:12.4/7

Left: -221.558+/-99.155 χ^2/NDF: 29.2/17

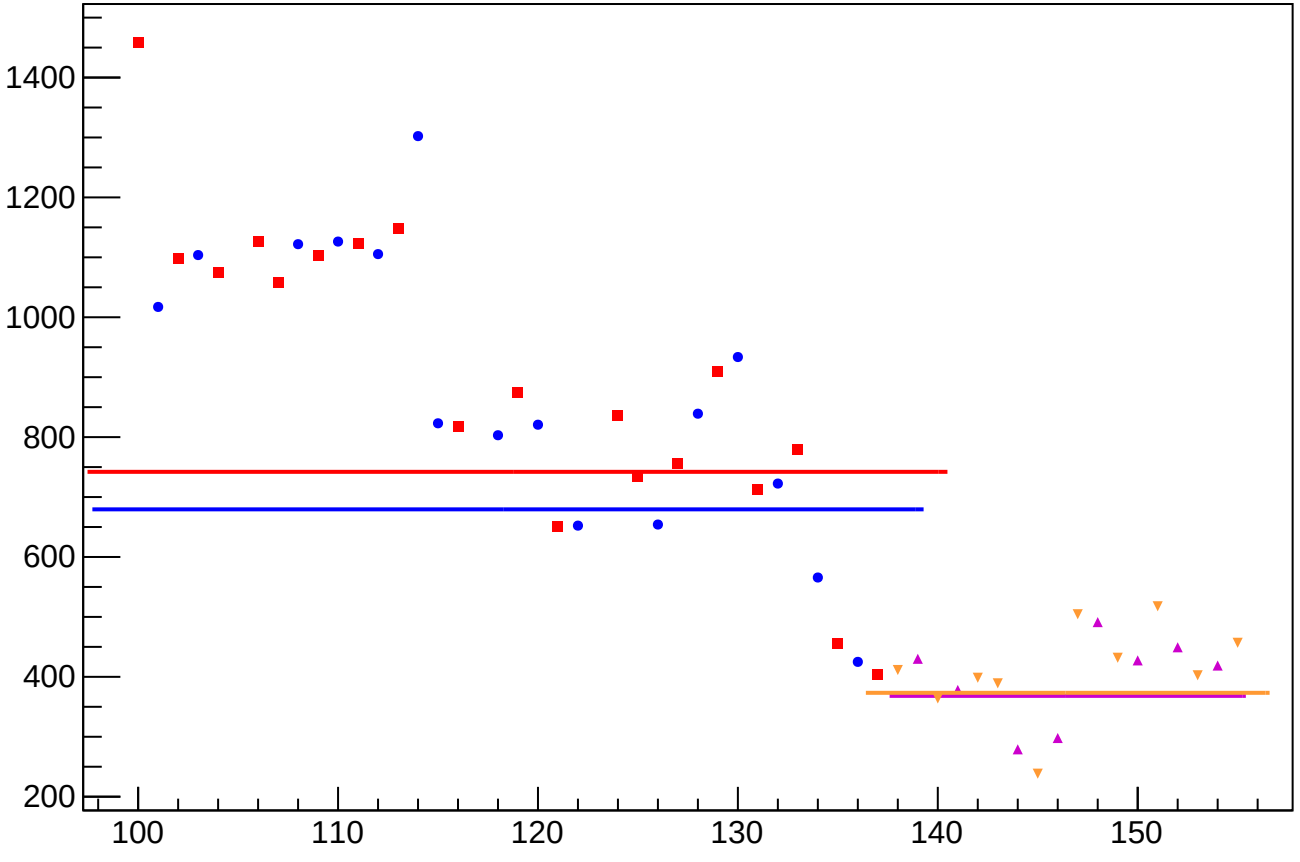
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -289.631+/-126.125 χ^2/NDF:31.1/23

Out: -190.962+/-124.074 χ^2/NDF:32.7/28

All: -239.488+/-88.450 χ^2/NDF: 64.1/52

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 373.341+/-0.097 χ^2/NDF:862433.2/9

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 368.243+/-0.101 χ^2/NDF:526564.5/7

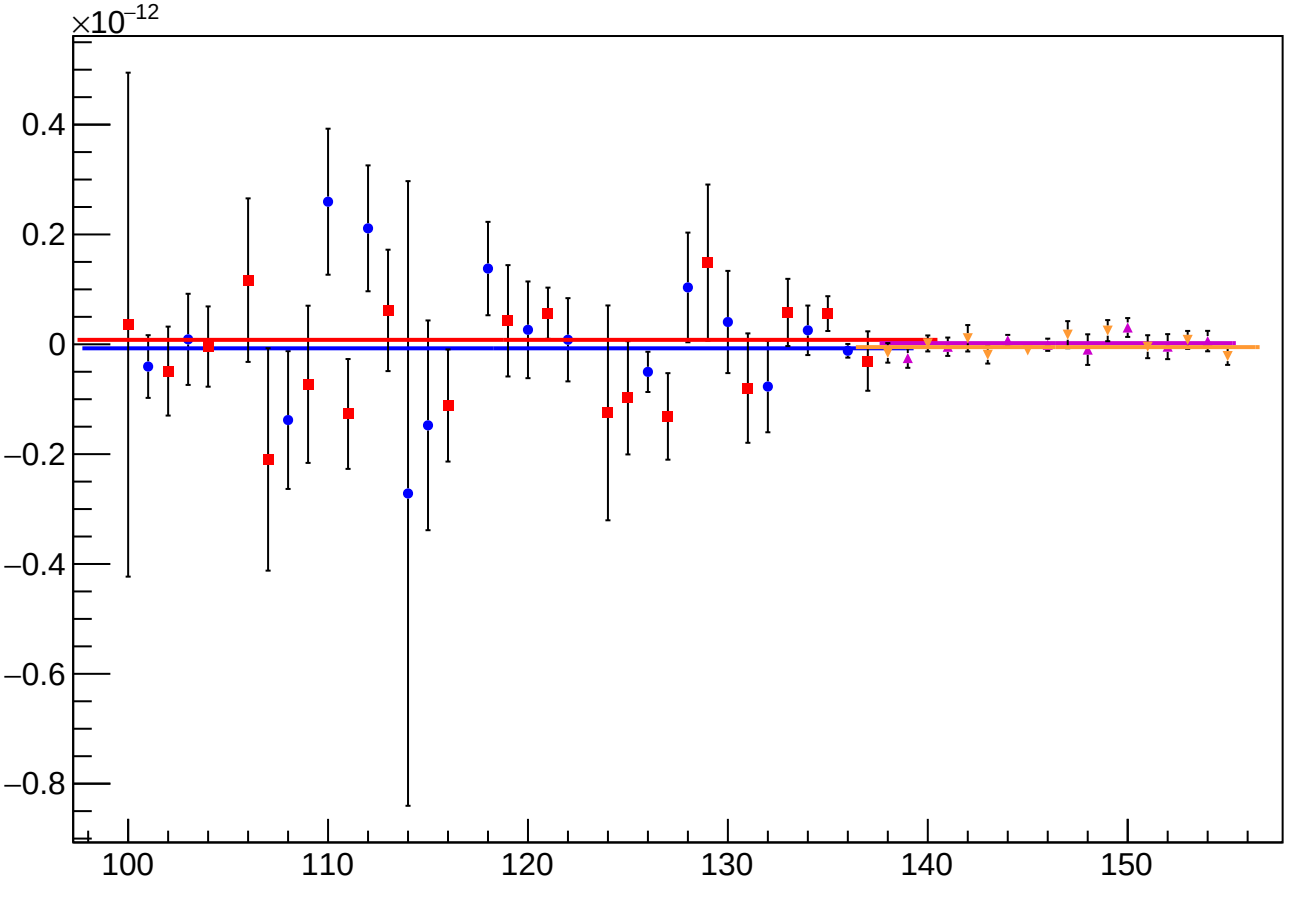
Left: 370.886+/-0.070 χ^2/NDF: 1390317.8/17

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 436.941+/-0.089 χ^2/NDF:4222239.6/23

Out: 442.797+/-0.088 χ^2/NDF:5067423.7/28

All: 439.917+/-0.063 χ^2/NDF: 9291854.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/7

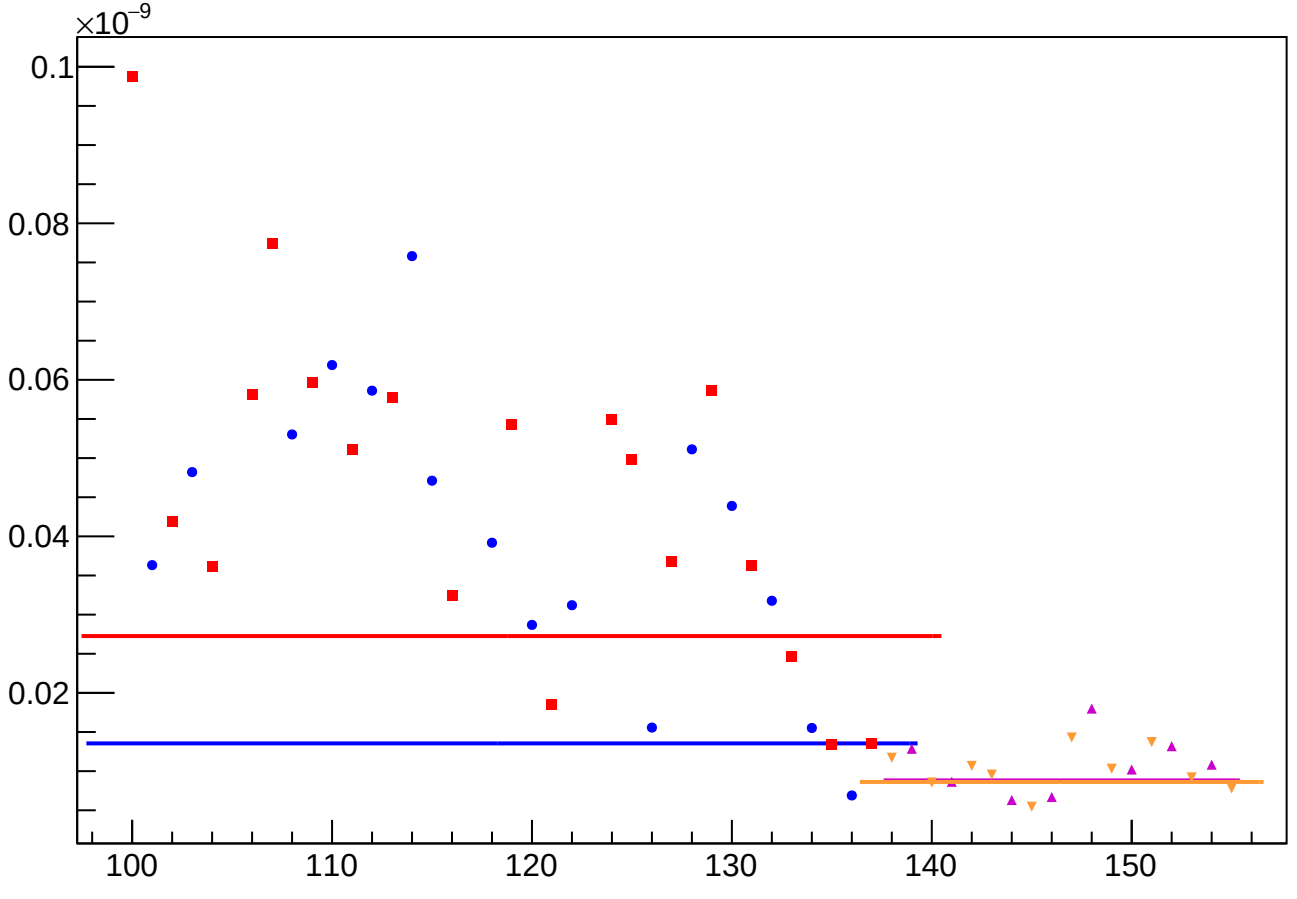
Left: -0.000+/-0.000 χ^2/NDF: 14.1/17

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: 0.000+/-0.000 χ^2/NDF:23.7/23

Out: -0.000+/-0.000 χ^2/NDF:24.8/28

All: -0.000+/-0.000 χ^2/NDF: 48.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:589196.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:631408.1/7

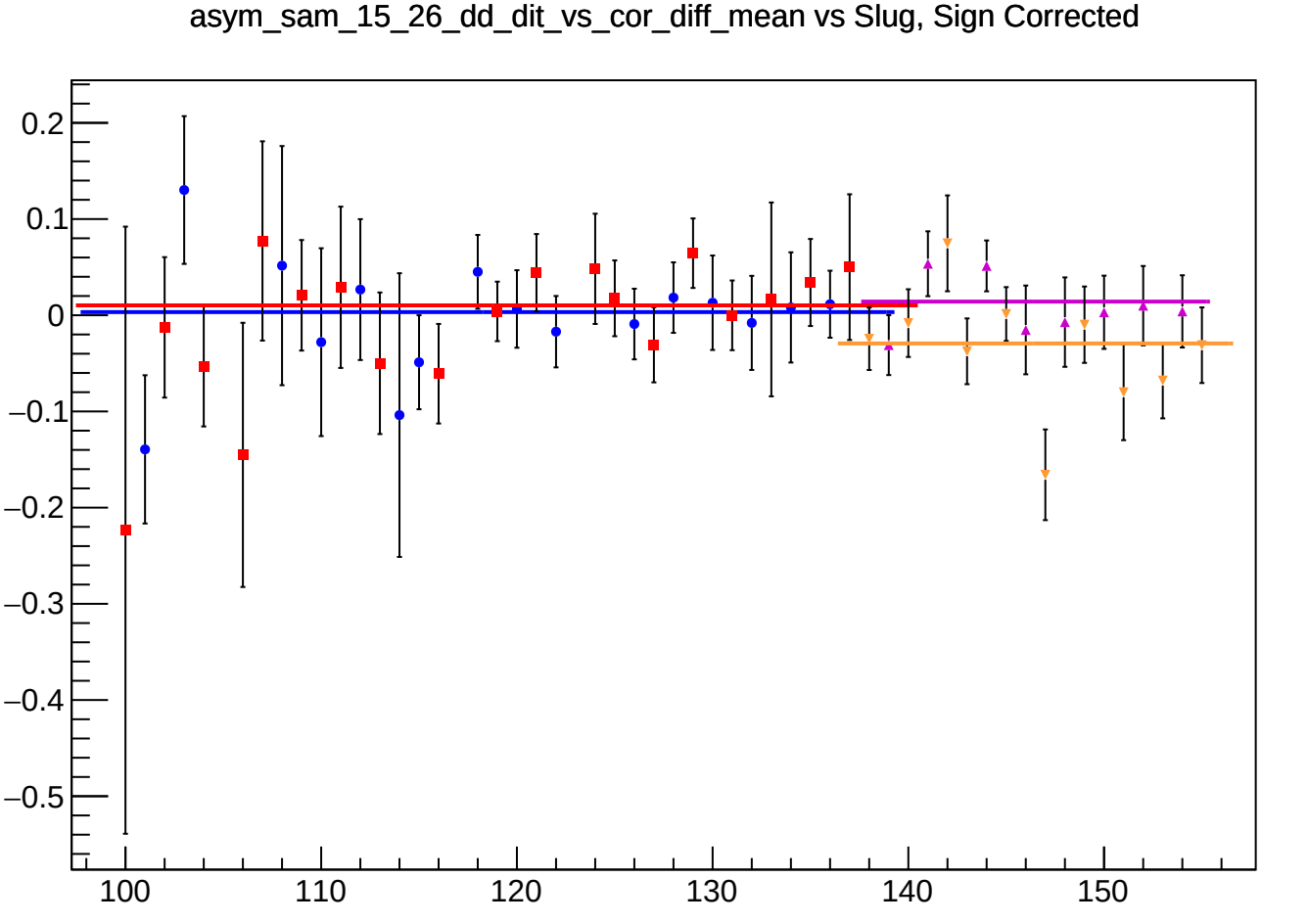
Left: 0.000+/-0.000 χ^2/NDF: 1222062.2/17

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:3999566.2/23

Out: 0.000+/-0.000 χ^2/NDF:4466630.2/28

All: 0.000+/-0.000 χ^2/NDF: 8468420.3/52



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.012 χ^2/NDF:16.6/9

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.014+/-0.013 χ^2/NDF:6.2/7

Left: -0.009+/-0.009 χ^2/NDF: 29.2/17

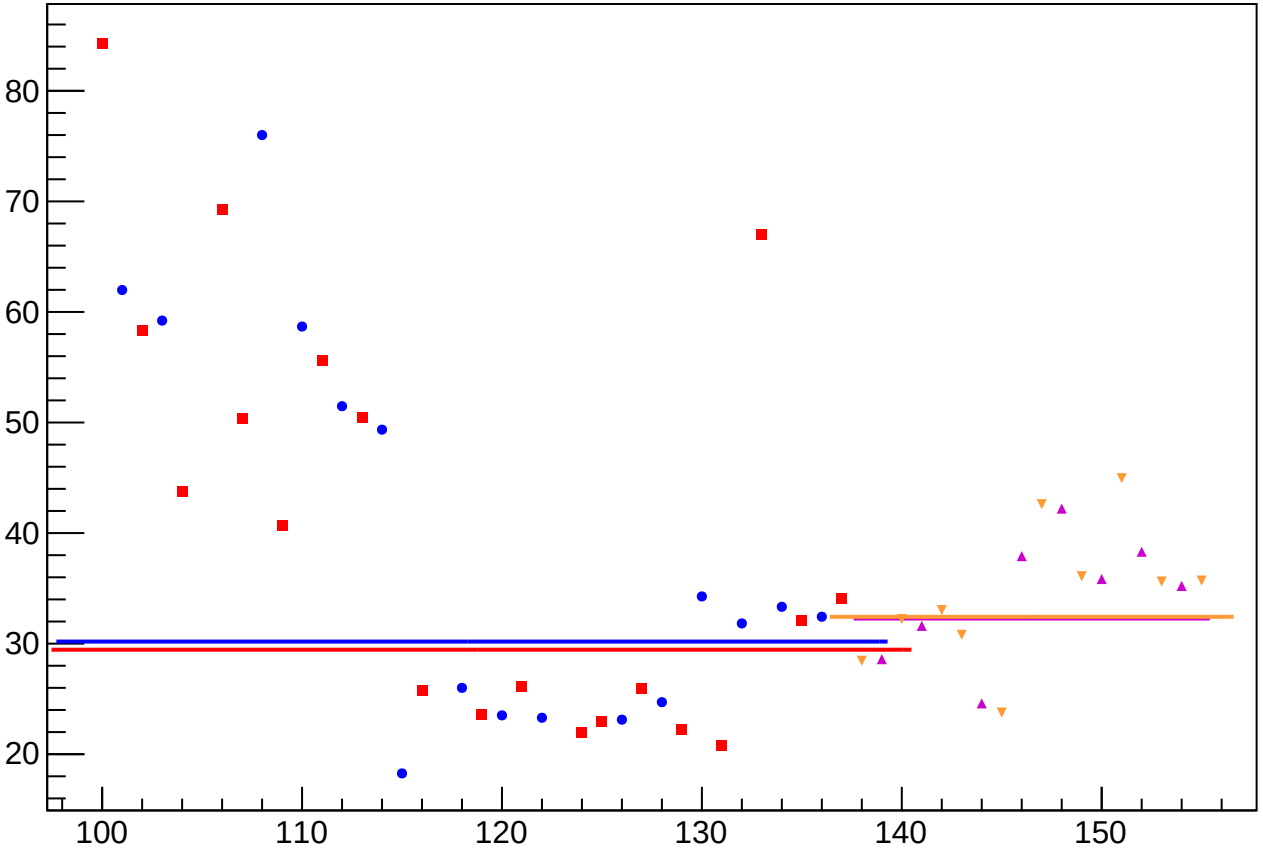
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.009+/-0.009 χ^2/NDF:16.7/23

Out: -0.009+/-0.008 χ^2/NDF:33.5/28

All: -0.001+/-0.006 χ^2/NDF: 52.4/52

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.426+/-0.008 χ^2/NDF:491598.4/9

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 32.272+/-0.009 χ^2/NDF:391587.4/7

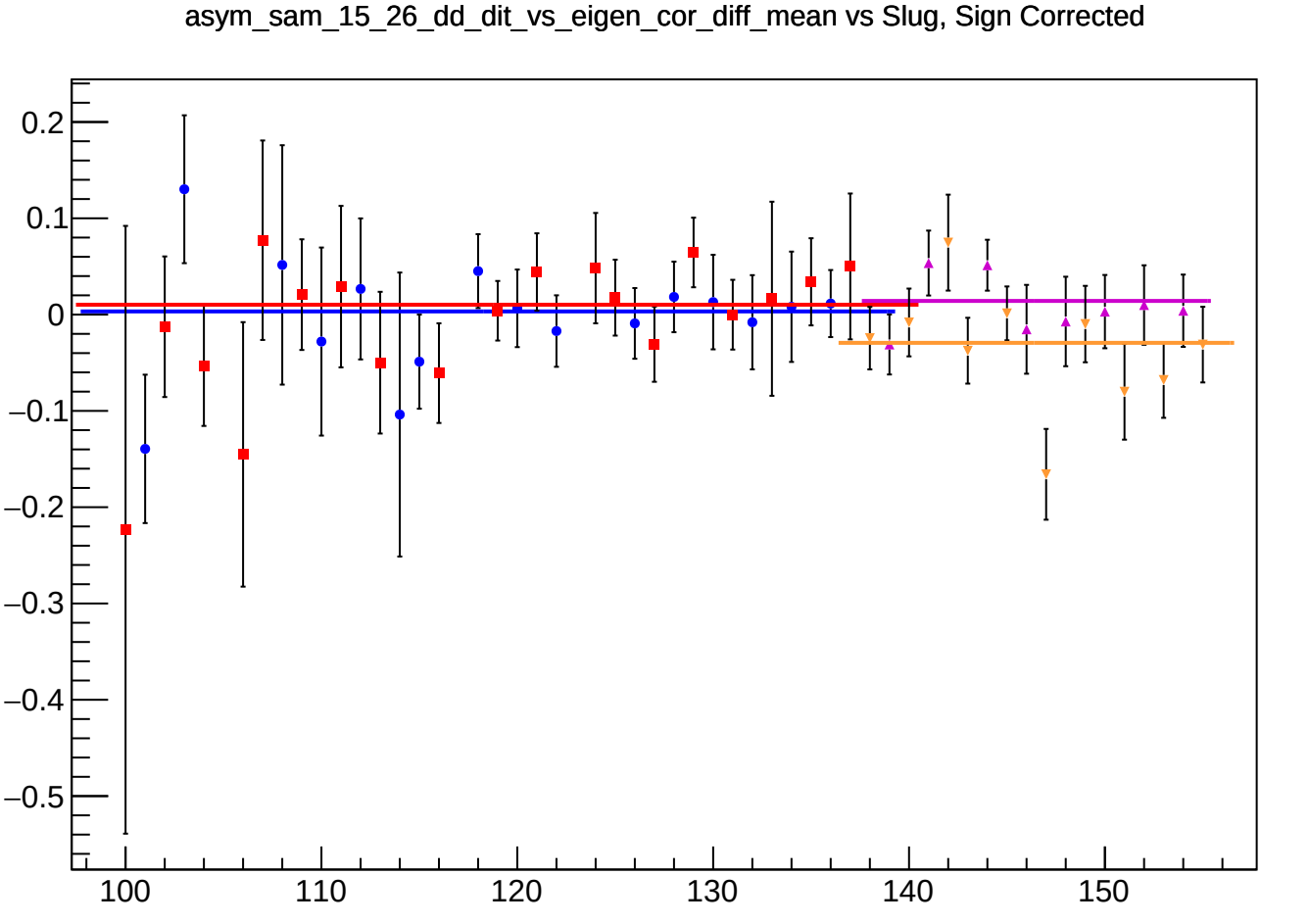
Left: 32.354+/-0.006 χ^2/NDF: 883343.7/17

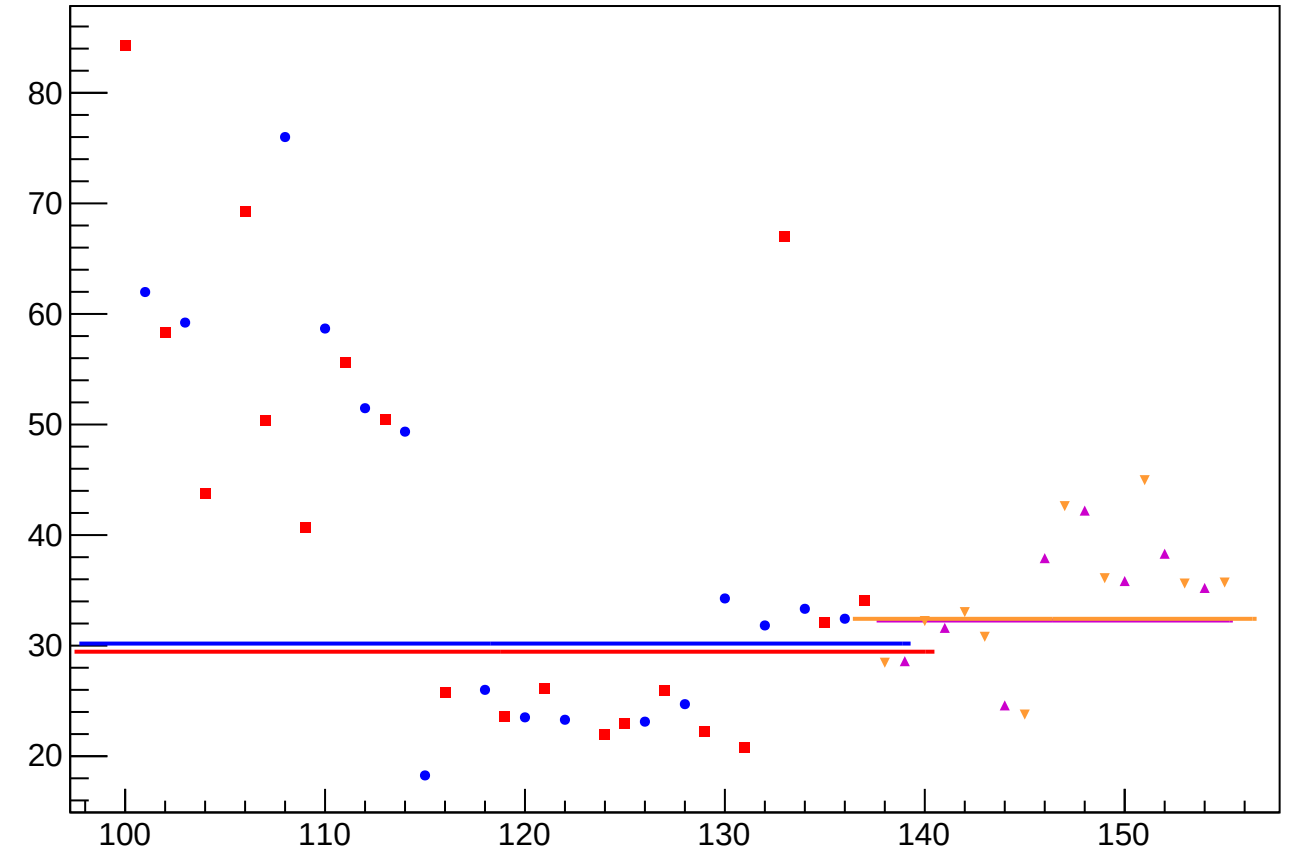
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 31.200+/-0.006 χ^2/NDF:2106966.2/23

Out: 30.930+/-0.006 χ^2/NDF:2403251.5/28

All: 31.058+/-0.004 χ^2/NDF: 4511200.0/52


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.029+/-0.012 χ²/NDF:16.6/9
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.014+/-0.013 χ²/NDF:6.2/7
Left: -0.009+/-0.009 χ²/NDF: 29.2/17
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.009+/-0.009 χ²/NDF:16.7/23
Out: -0.009+/-0.008 χ²/NDF:33.5/28
All: -0.001+/-0.006 χ²/NDF: 52.4/52



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.426+/-0.008 χ^2/NDF:491598.4/9

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 32.272+/-0.009 χ^2/NDF:391587.4/7

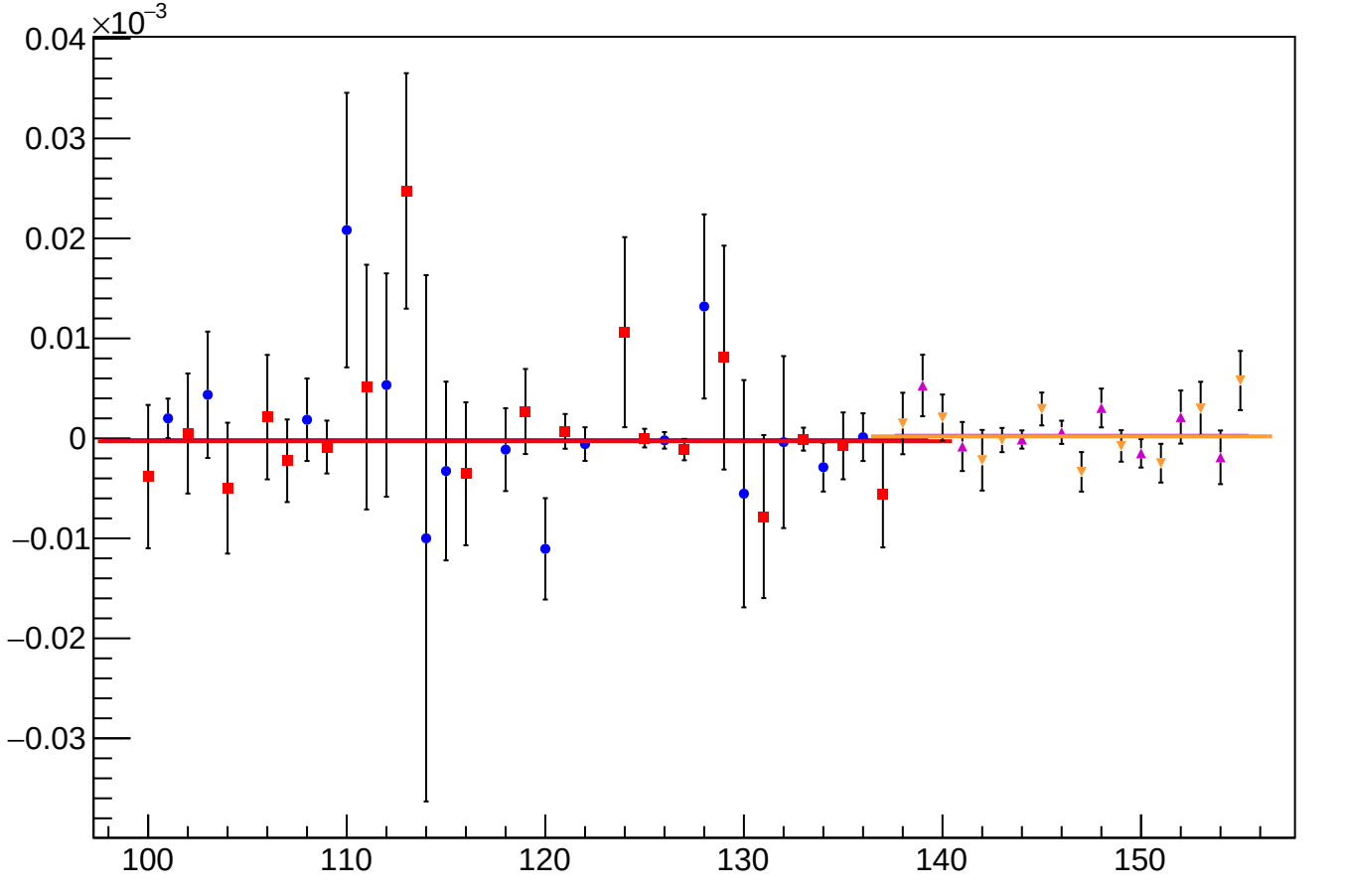
Left: 32.354+/-0.006 χ^2/NDF: 883343.7/17

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 31.200+/-0.006 χ^2/NDF:2106966.2/23

Out: 30.930+/-0.006 χ^2/NDF:2403251.5/28

All: 31.058+/-0.004 χ^2/NDF: 4511200.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.5/9

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/7

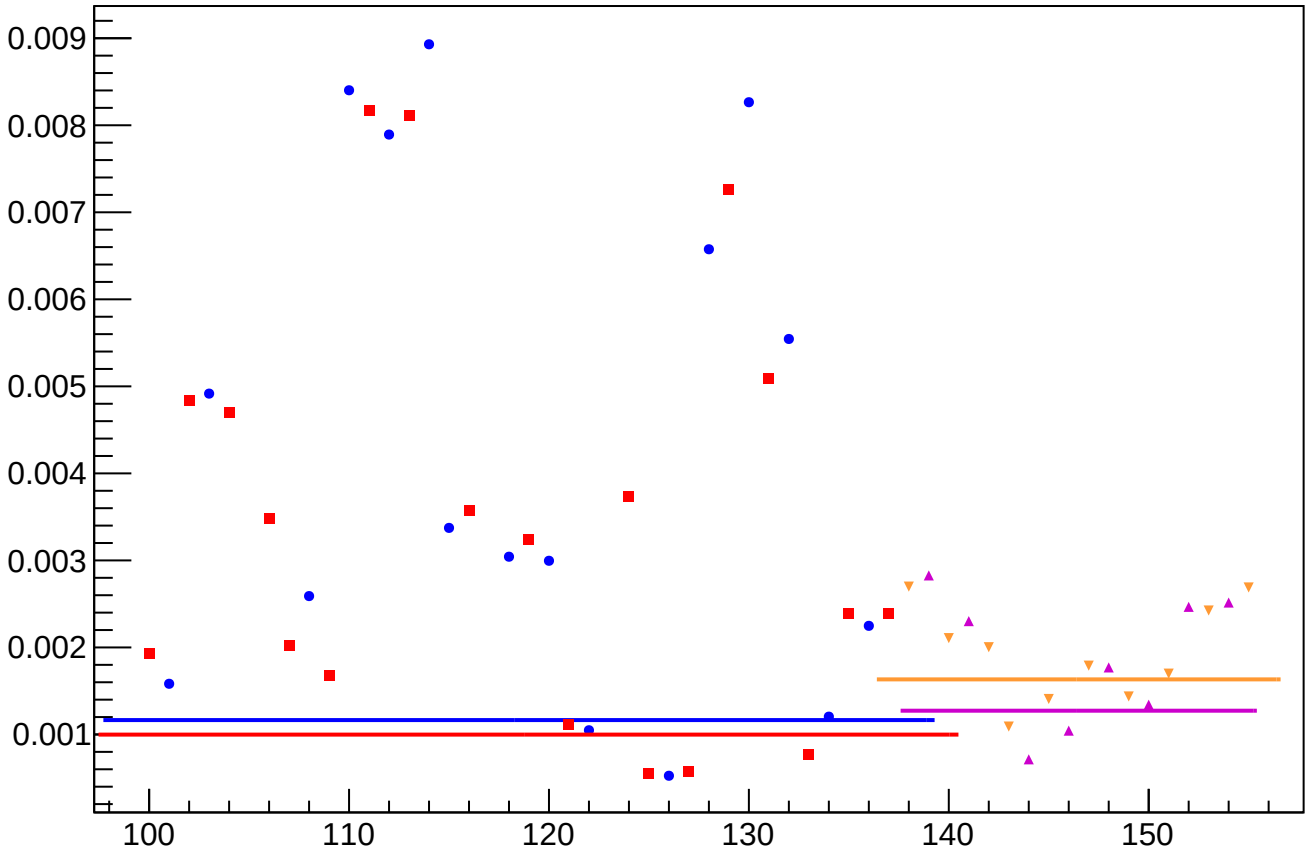
Left: 0.000+/-0.000 χ^2/NDF: 22.3/17

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:21.2/23

Out: -0.000+/-0.000 χ^2/NDF:26.3/28

All: -0.000+/-0.000 χ^2/NDF: 47.6/52



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1269234.6/9

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:2662799.4/7

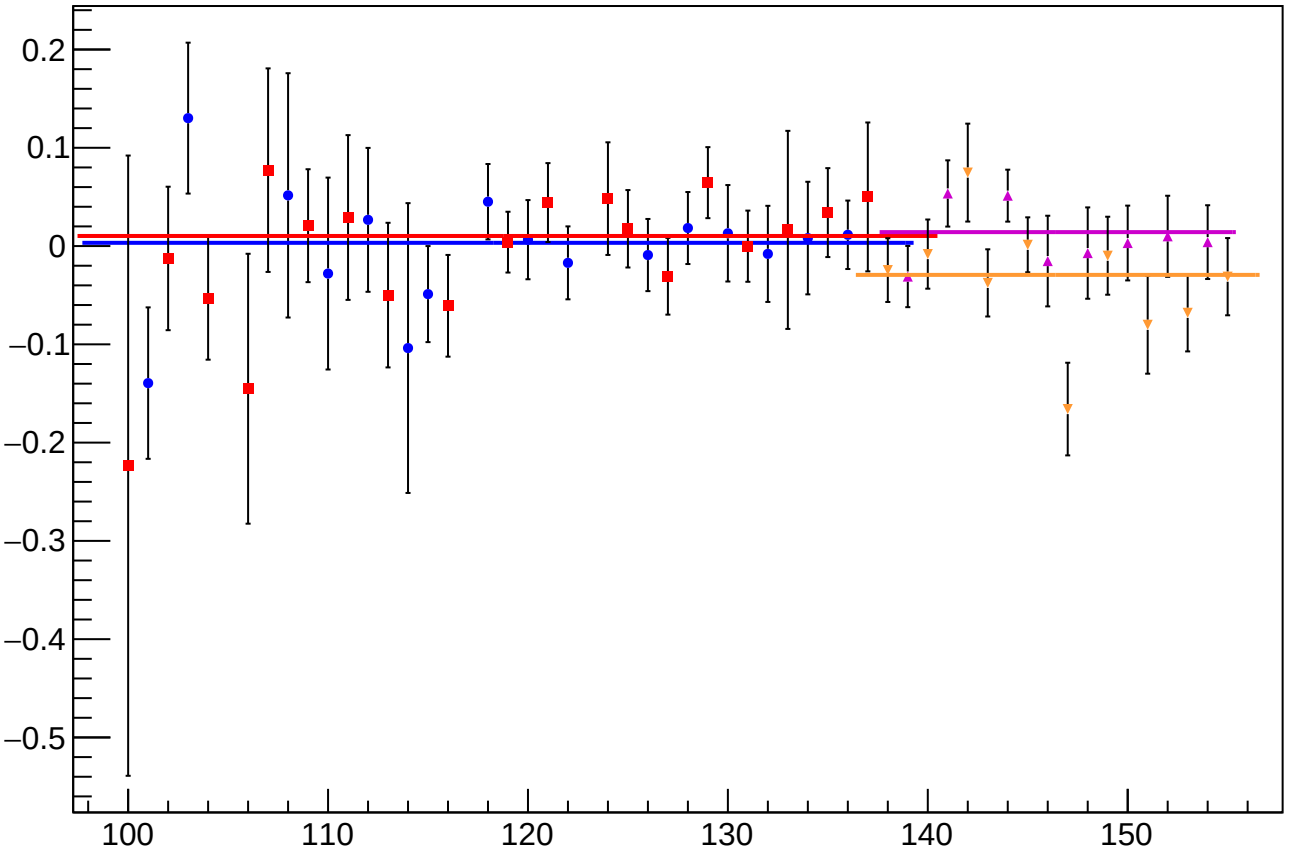
Left: 0.001+/-0.000 χ^2/NDF: 4309604.9/17

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:9578493.3/23

Out: 0.001+/-0.000 χ^2/NDF:9441322.3/28

All: 0.001+/-0.000 χ^2/NDF: 19029112.3/52



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.012 χ^2/NDF:16.6/9

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.014+/-0.013 χ^2/NDF:6.2/7

Left: -0.009+/-0.009 χ^2/NDF: 29.2/17

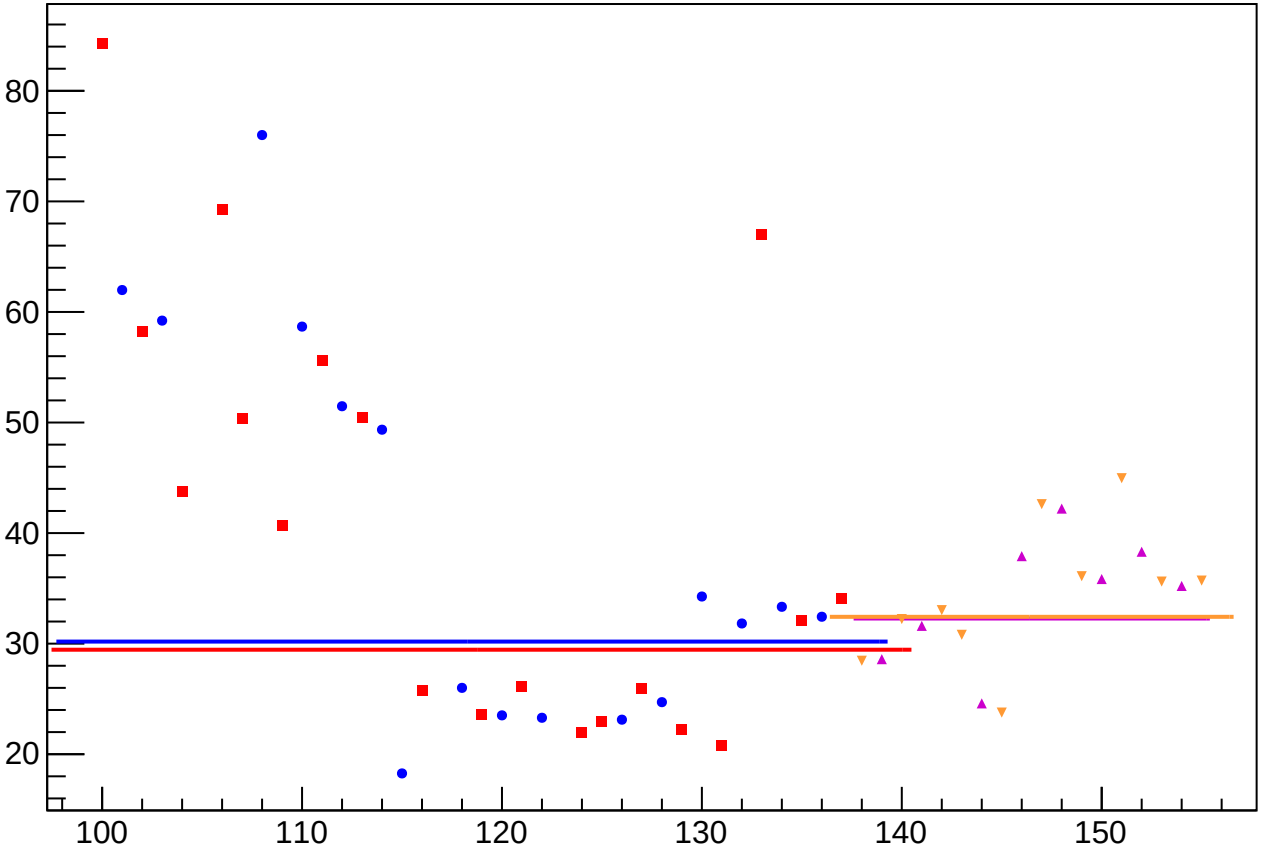
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.009+/-0.009 χ^2/NDF:16.7/23

Out: -0.009+/-0.008 χ^2/NDF:33.5/28

All: -0.001+/-0.006 χ^2/NDF: 52.4/52

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 32.426+/-0.008 χ^2/NDF:491562.9/9

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 32.272+/-0.009 χ^2/NDF:391575.2/7

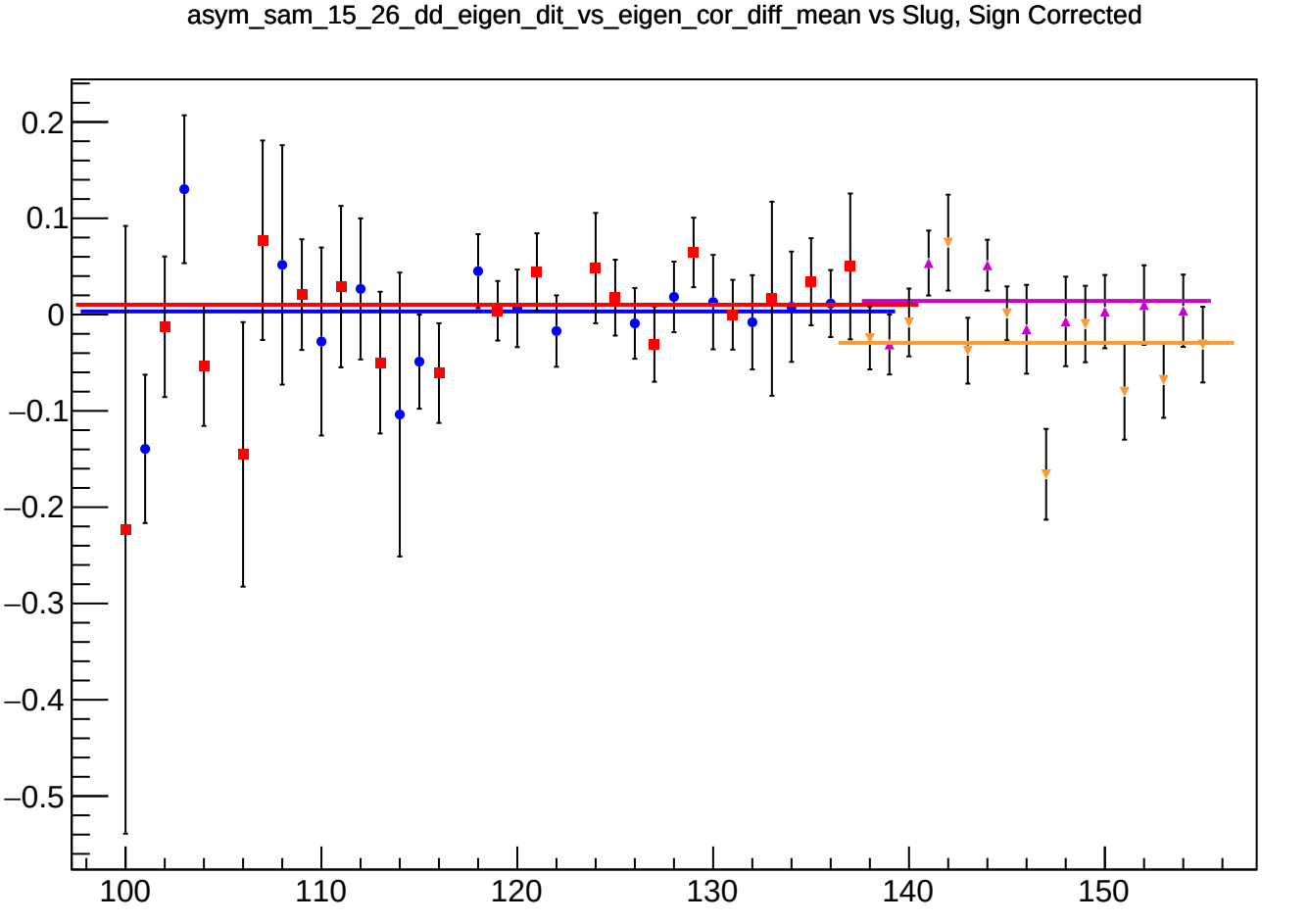
Left: 32.354+/-0.006 χ^2/NDF: 883296.0/17

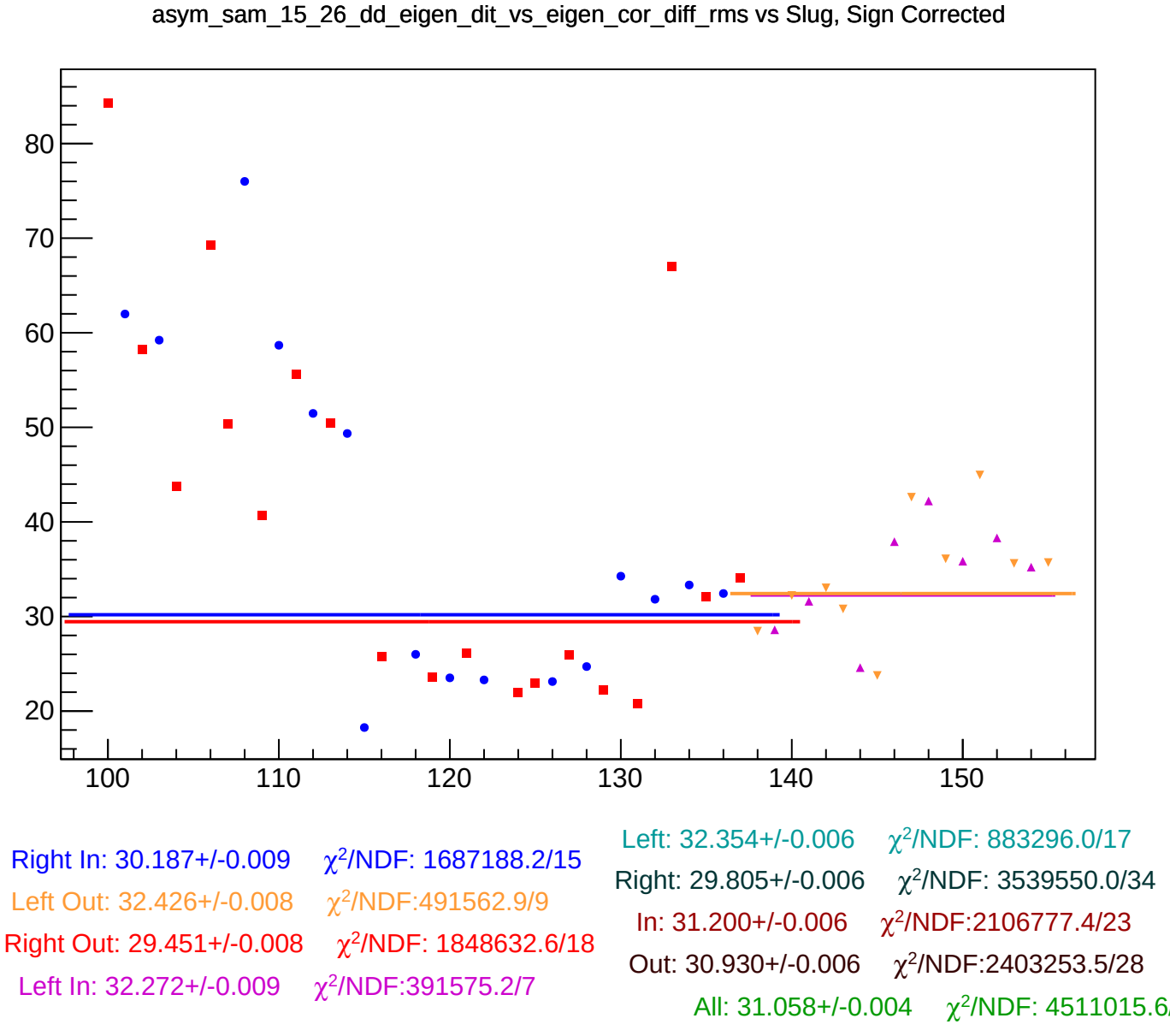
Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 31.200+/-0.006 χ^2/NDF:2106777.4/23

Out: 30.930+/-0.006 χ^2/NDF:2403253.5/28

All: 31.058+/-0.004 χ^2/NDF: 4511015.6/52


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.029+/-0.012 χ²/NDF:16.6/9
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.014+/-0.013 χ²/NDF:6.2/7
Left: -0.009+/-0.009 χ²/NDF: 29.2/17
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.009+/-0.009 χ²/NDF:16.7/23
Out: -0.009+/-0.008 χ²/NDF:33.5/28
All: -0.001+/-0.006 χ²/NDF: 52.4/52


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
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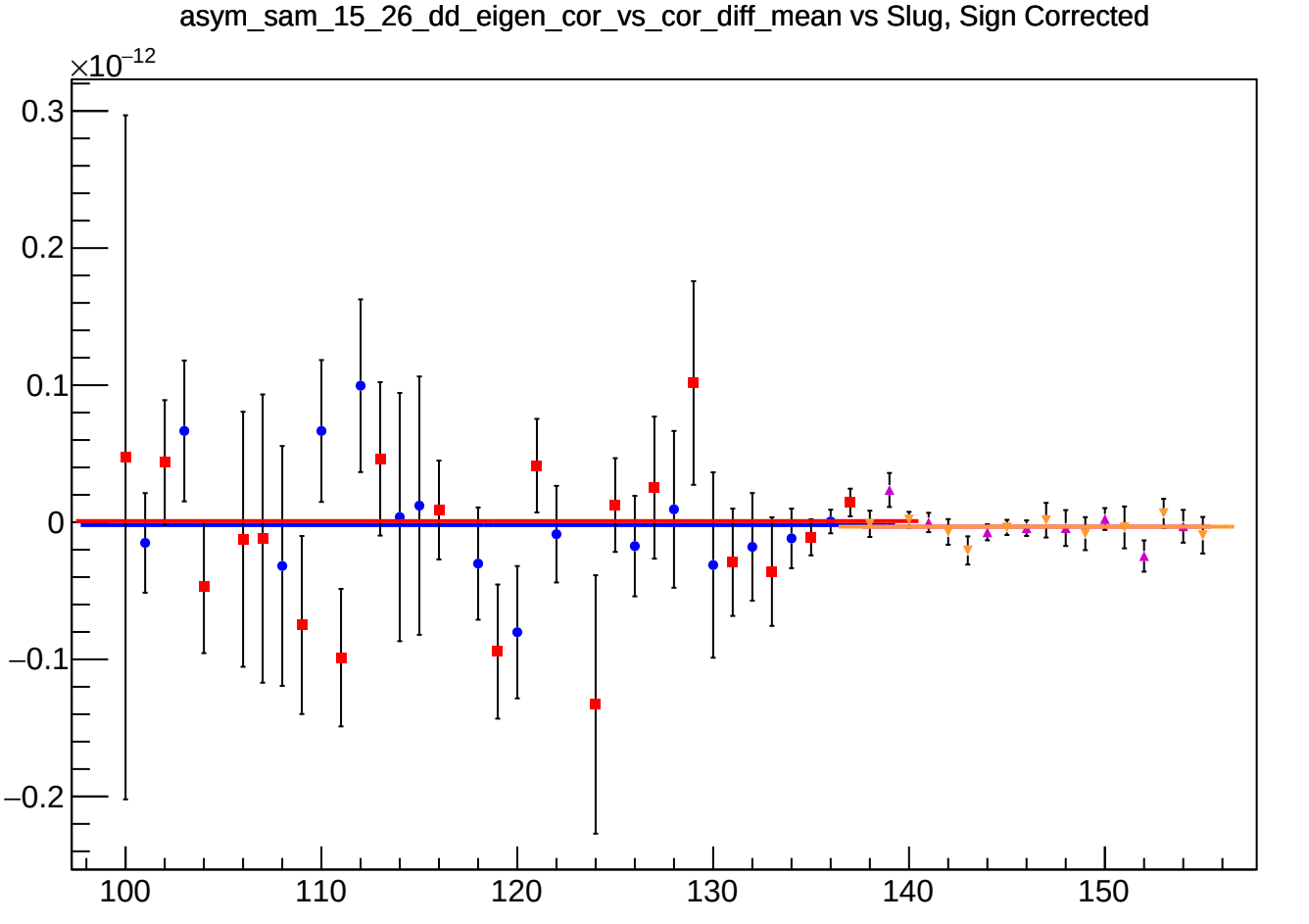
140
150
Right In: 30.187+/-0.009 χ²/NDF: 1687188.2/15
Left Out: 32.426+/-0.008 χ²/NDF:491562.9/9
Right Out: 29.451+/-0.008 χ²/NDF: 1848632.6/18
Left In: 32.272+/-0.009 χ²/NDF:391575.2/7
Left: 32.354+/-0.006 χ²/NDF: 883296.0/17
Right: 29.805+/-0.006 χ²/NDF: 3539550.0/34
In: 31.200+/-0.006 χ²/NDF:2106777.4/23
Out: 30.930+/-0.006 χ²/NDF:2403253.5/28
All: 31.058+/-0.004 χ²/NDF: 4511015.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/7

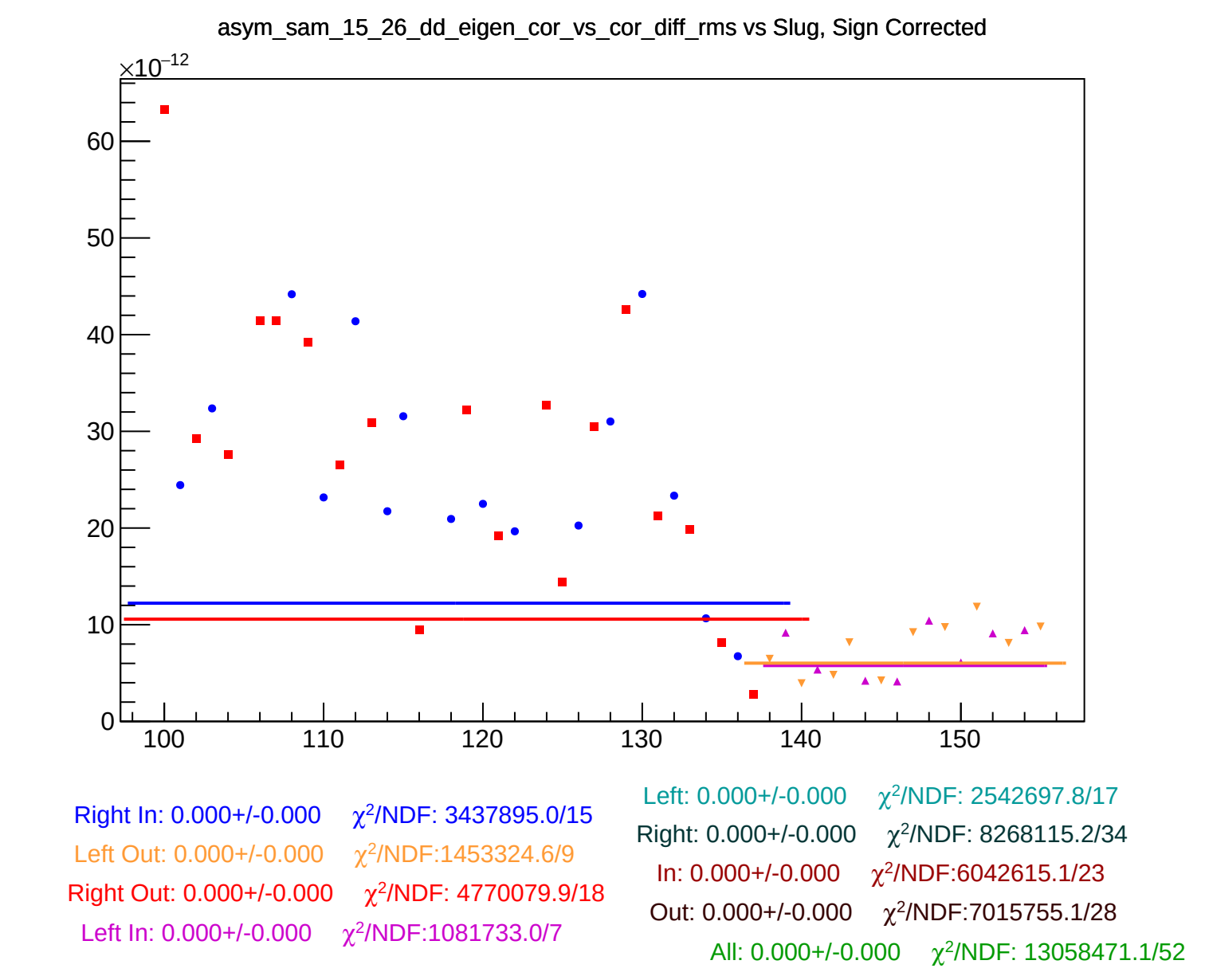
Left: -0.000+/-0.000 χ^2/NDF: 14.7/17

Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:19.8/23

Out: -0.000+/-0.000 χ^2/NDF:27.0/28

All: -0.000+/-0.000 χ^2/NDF: 46.8/52


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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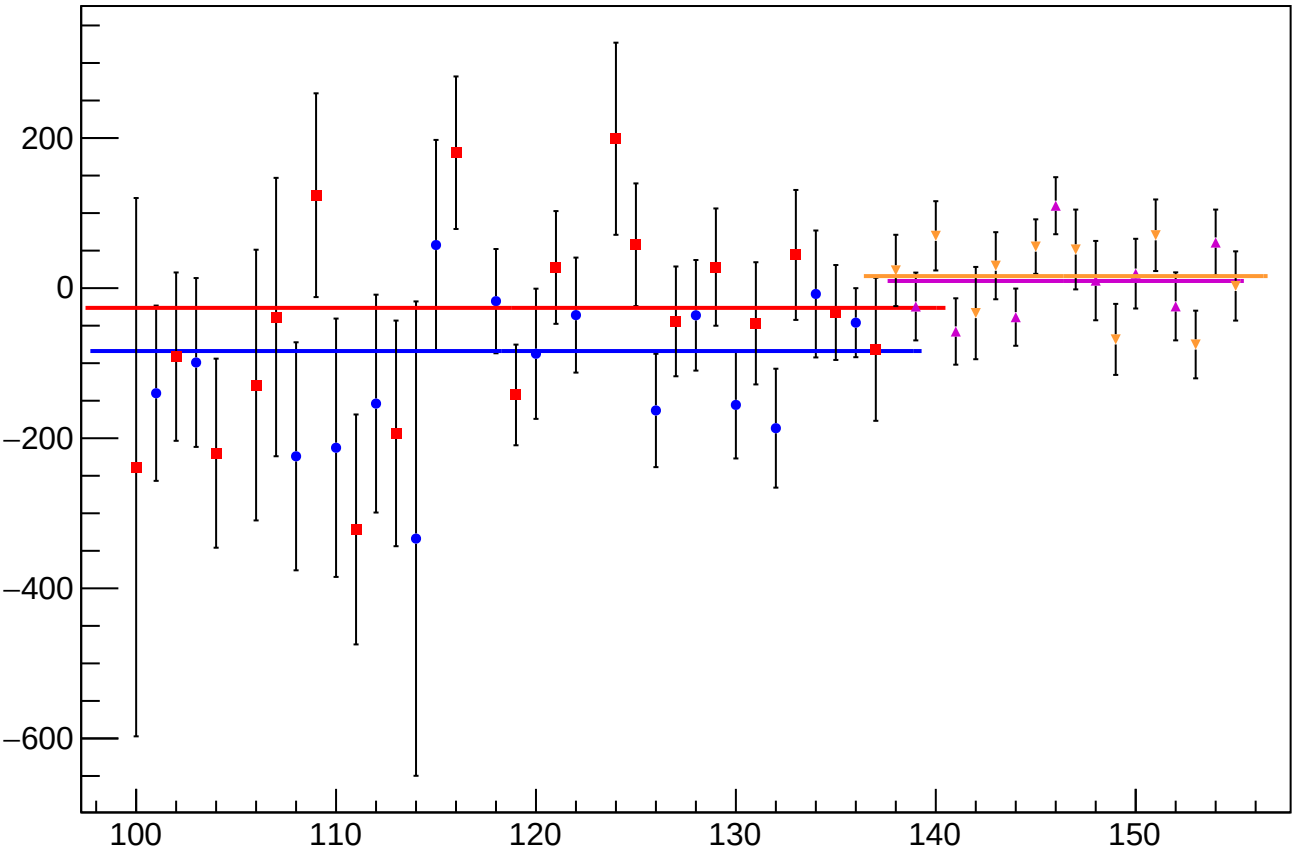
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1453324.6/9
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:1081733.0/7
Left: 0.000+/-0.000 χ²/NDF: 2542697.8/17
Right: 0.000+/-0.000 χ²/NDF: 8268115.2/34
In: 0.000+/-0.000 χ²/NDF:6042615.1/23
Out: 0.000+/-0.000 χ²/NDF:7015755.1/28
All: 0.000+/-0.000 χ²/NDF: 13058471.1/52



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 16.043+/-14.684 χ^2/NDF:12.4/9

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 9.535+/-15.413 χ^2/NDF:13.4/7

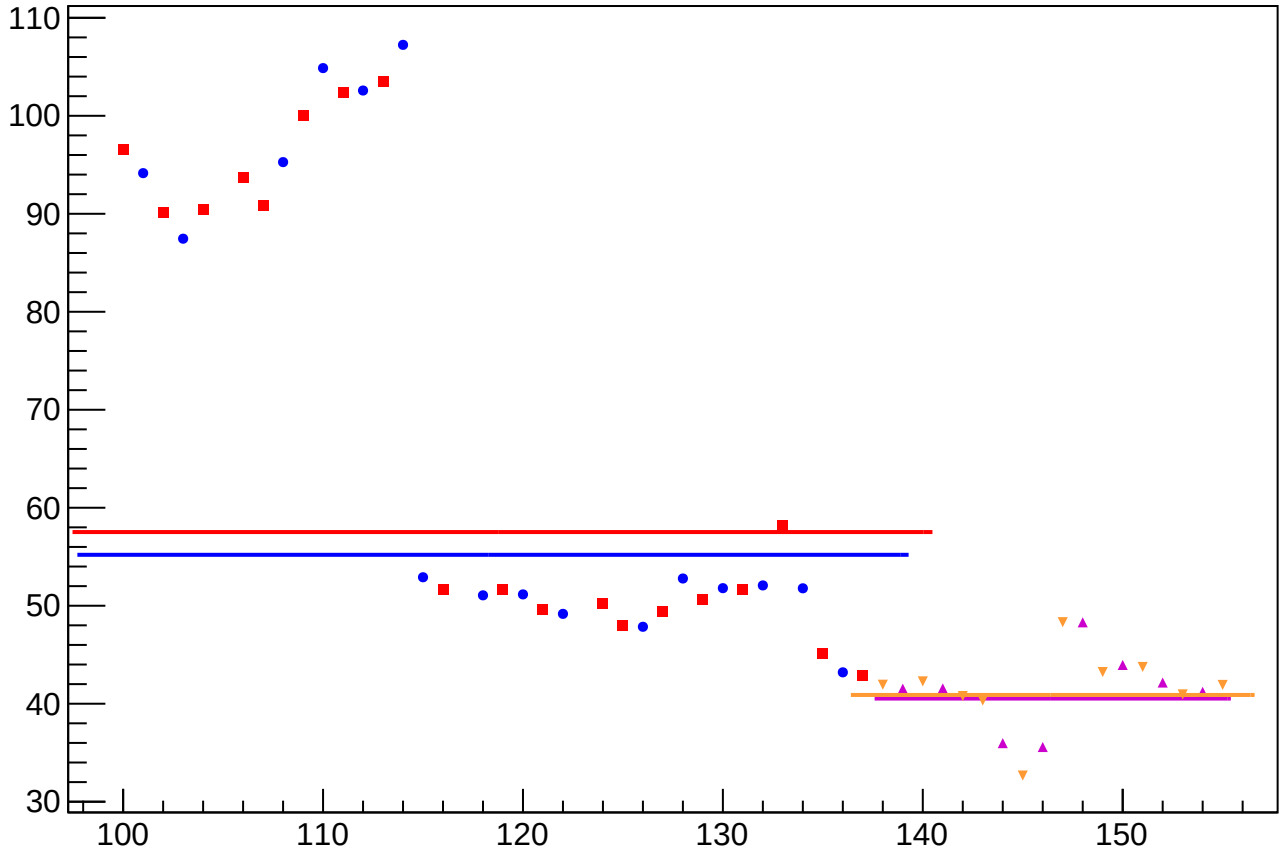
Left: 12.947+/-10.632 χ^2/NDF: 25.9/17

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -22.279+/-12.514 χ^2/NDF:36.5/23

Out: 3.047+/-12.225 χ^2/NDF:37.9/28

All: -9.320+/-8.745 χ^2/NDF: 76.5/52



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.895+/-0.010 χ^2/NDF:157679.5/9

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 40.527+/-0.011 χ^2/NDF:121799.4/7

Left: 40.720+/-0.008 χ^2/NDF: 280077.4/17

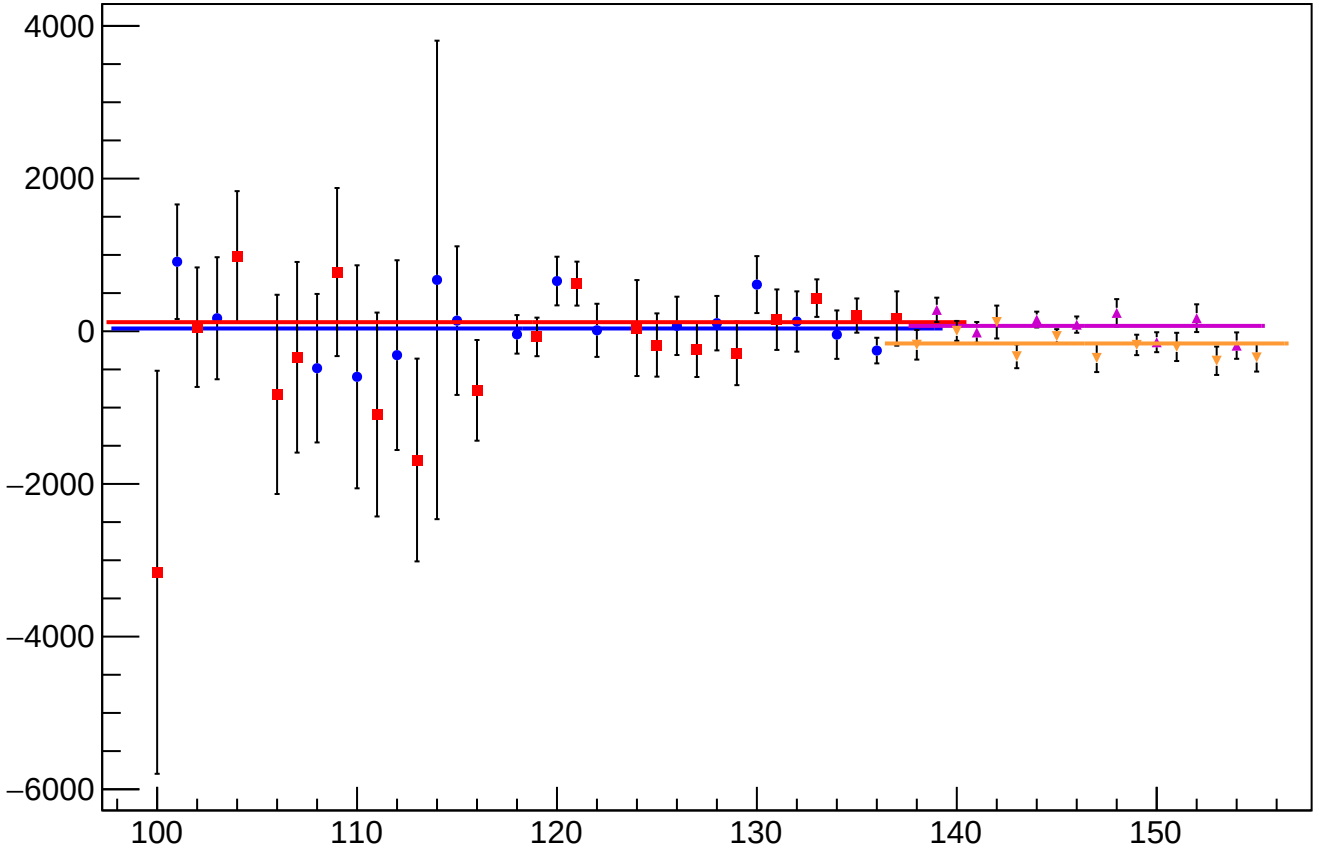
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 45.527+/-0.009 χ^2/NDF:1891977.9/23

Out: 45.997+/-0.009 χ^2/NDF:2226157.0/28

All: 45.768+/-0.006 χ^2/NDF: 4119579.7/52

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: -159.968+/-47.675 χ^2/NDF:9.2/9

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 70.347+/-48.379 χ^2/NDF:8.9/7

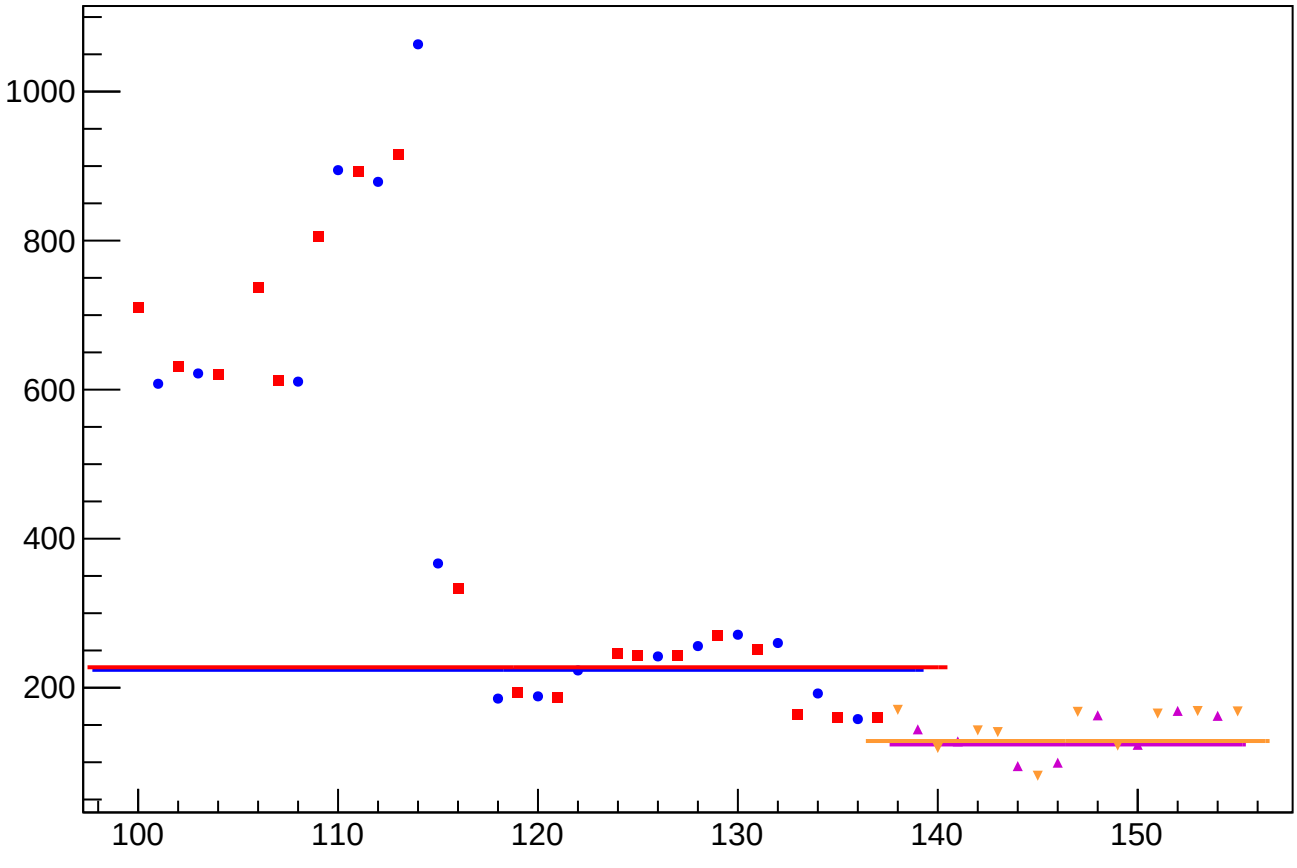
Left: -46.498+/-33.957 χ^2/NDF: 29.6/17

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 63.170+/-42.974 χ^2/NDF:20.4/23

Out: -104.592+/-42.685 χ^2/NDF:32.0/28

All: -21.277+/-30.284 χ^2/NDF: 60.1/52



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 128.483+/-0.034 χ^2/NDF:1000301.5/9

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 123.875+/-0.034 χ^2/NDF:611899.5/7

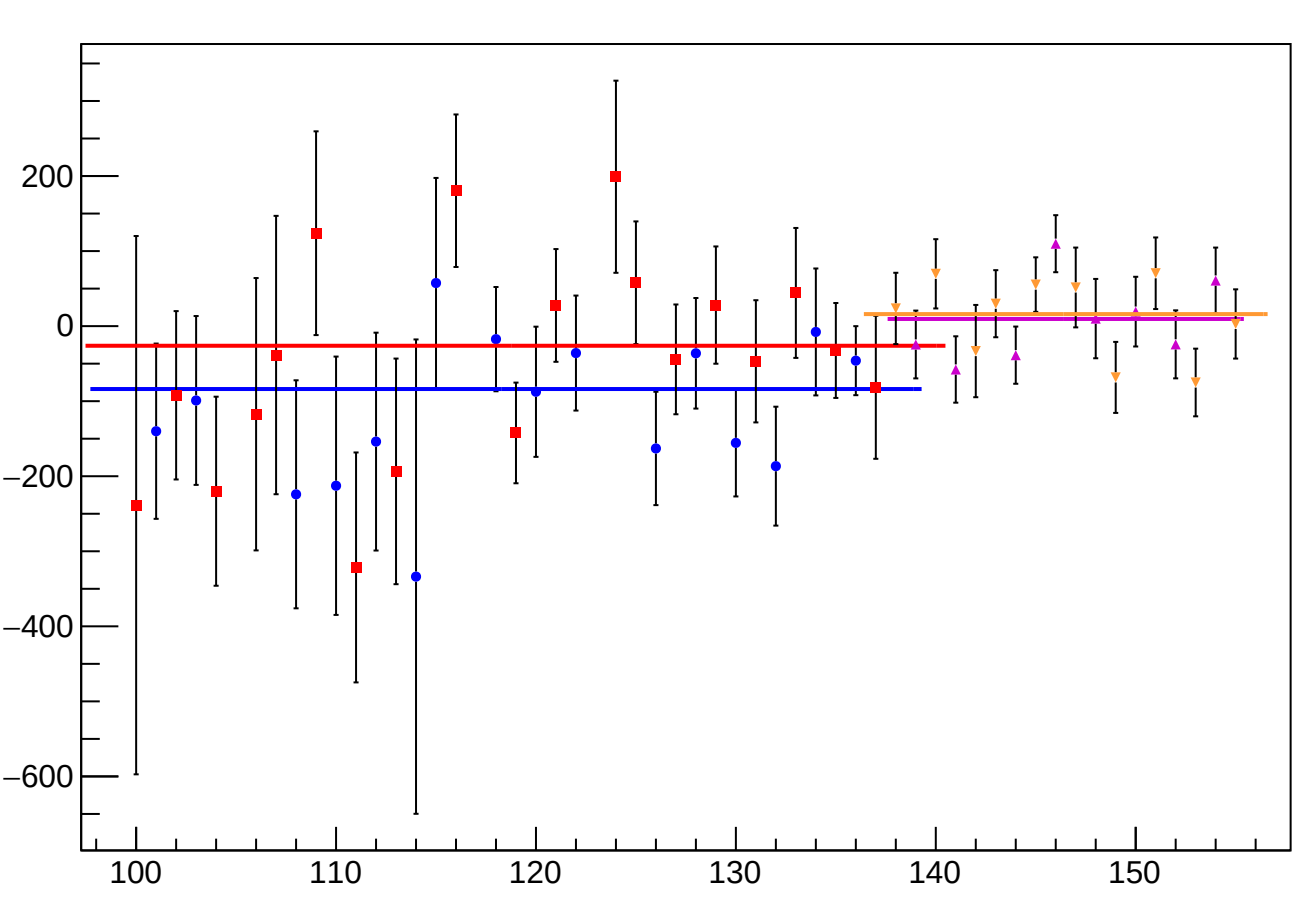
Left: 126.213+/-0.024 χ^2/NDF: 1621407.0/17

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 145.006+/-0.030 χ^2/NDF:5388653.9/23

Out: 148.117+/-0.030 χ^2/NDF:6350740.1/28

All: 146.572+/-0.021 χ^2/NDF: 11744668.9/52



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 16.043+/-14.684 χ^2/NDF:12.4/9

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 9.535+/-15.413 χ^2/NDF:13.4/7

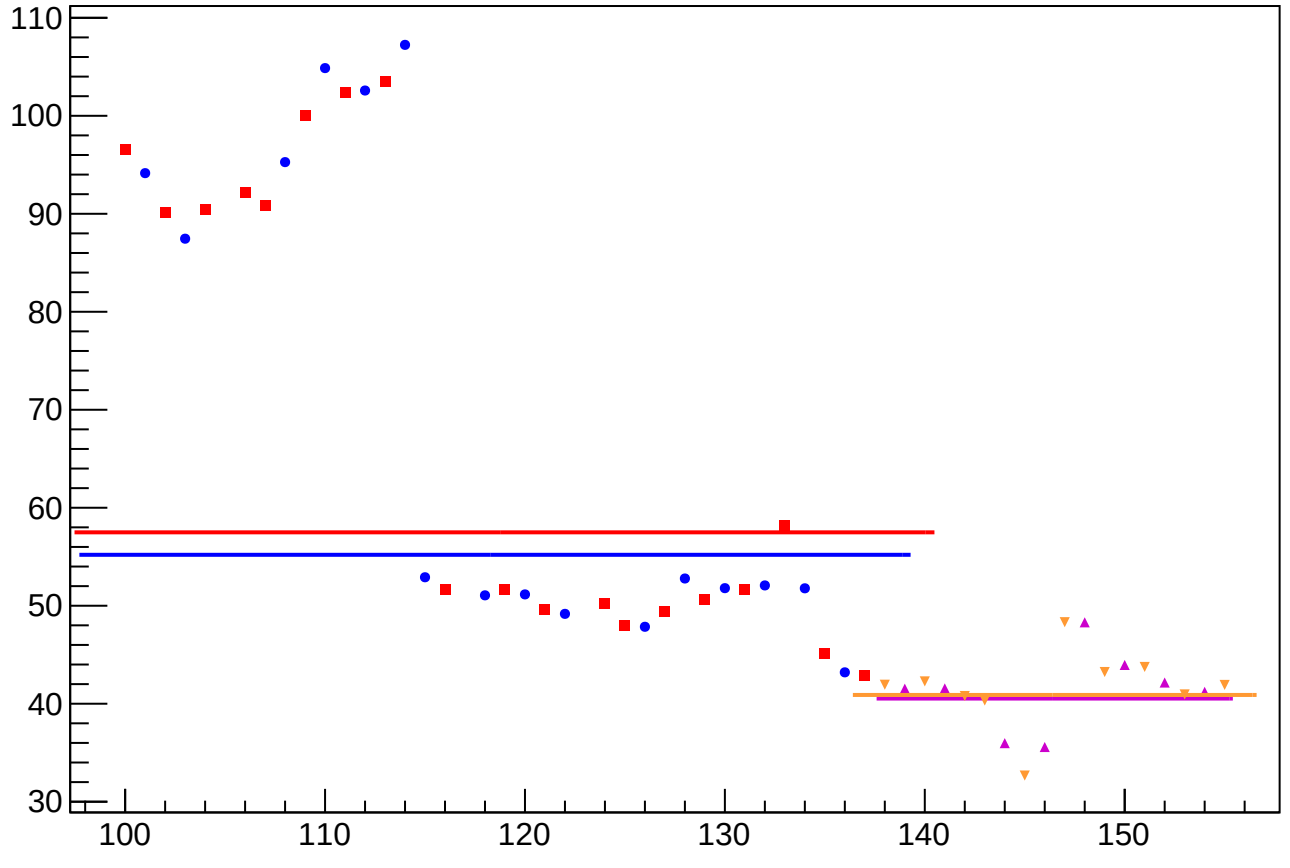
Left: 12.946+/-10.632 χ^2/NDF: 25.9/17

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -22.278+/-12.514 χ^2/NDF:36.5/23

Out: 3.097+/-12.225 χ^2/NDF:37.8/28

All: -9.295+/-8.745 χ^2/NDF: 76.4/52



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.895+/-0.010 χ^2/NDF:157679.5/9

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.527+/-0.011 χ^2/NDF:121799.4/7

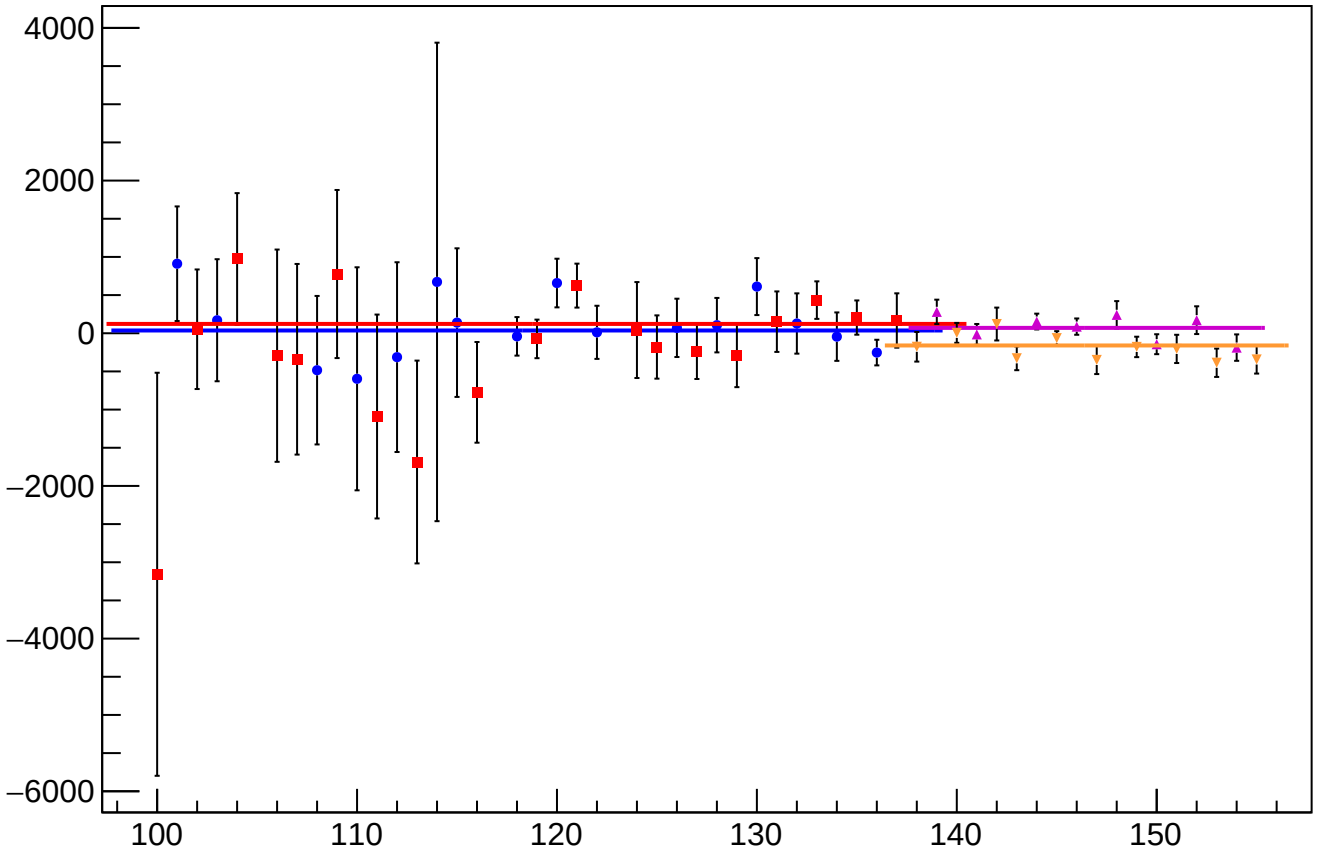
Left: 40.720+/-0.008 χ^2/NDF: 280077.4/17

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 45.527+/-0.009 χ^2/NDF:1891978.2/23

Out: 45.988+/-0.009 χ^2/NDF:2215916.8/28

All: 45.763+/-0.006 χ^2/NDF: 4109281.7/52



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -159.970+/-47.675 χ^2/NDF:9.2/9

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 70.347+/-48.379 χ^2/NDF:8.9/7

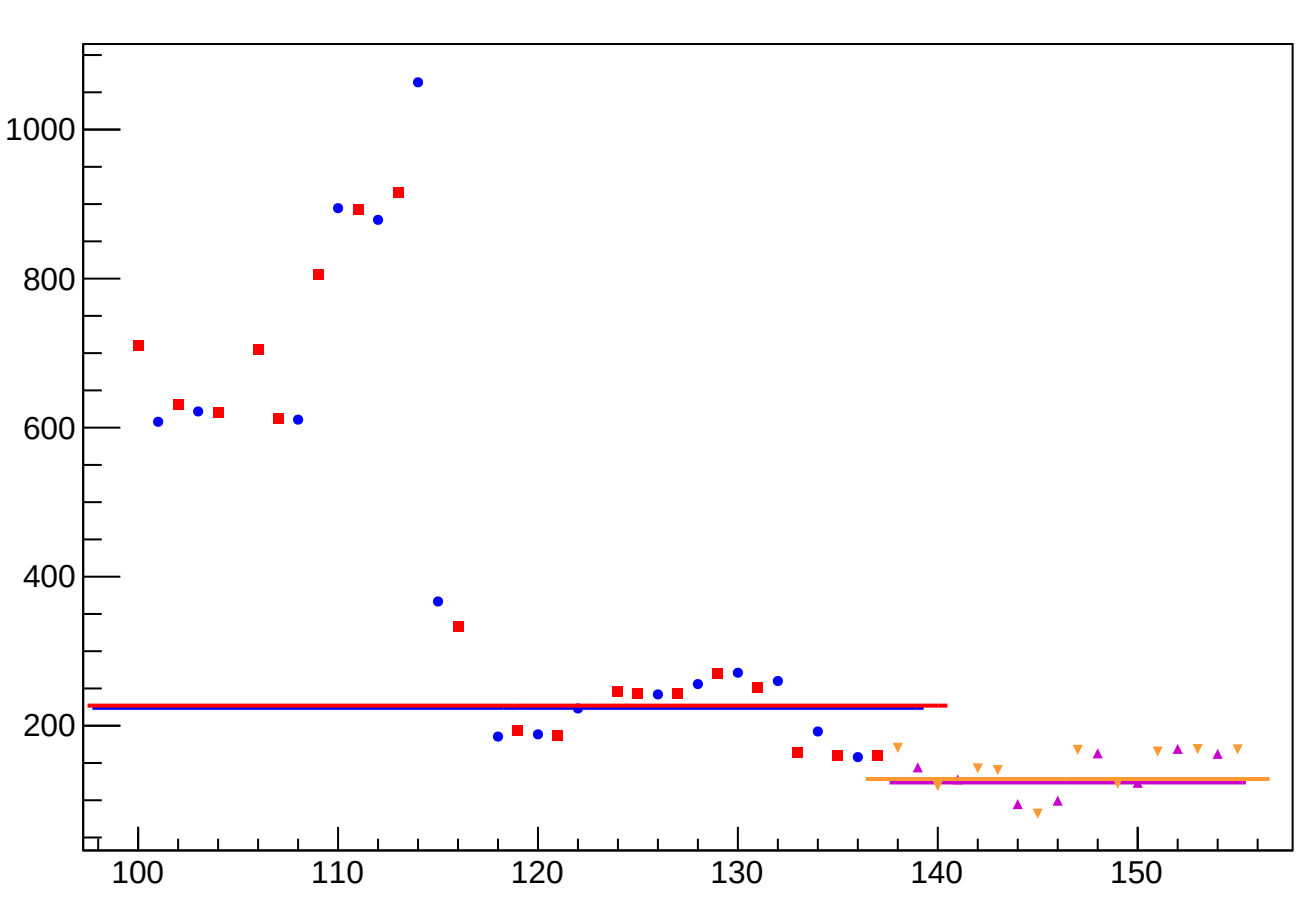
Left: -46.499+/-33.957 χ^2/NDF: 29.6/17

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 63.170+/-42.974 χ^2/NDF:20.4/23

Out: -104.003+/-42.687 χ^2/NDF:31.7/28

All: -20.976+/-30.285 χ^2/NDF: 59.7/52



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 128.483+/-0.034 χ^2/NDF:1000306.2/9

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 123.875+/-0.034 χ^2/NDF:611901.0/7

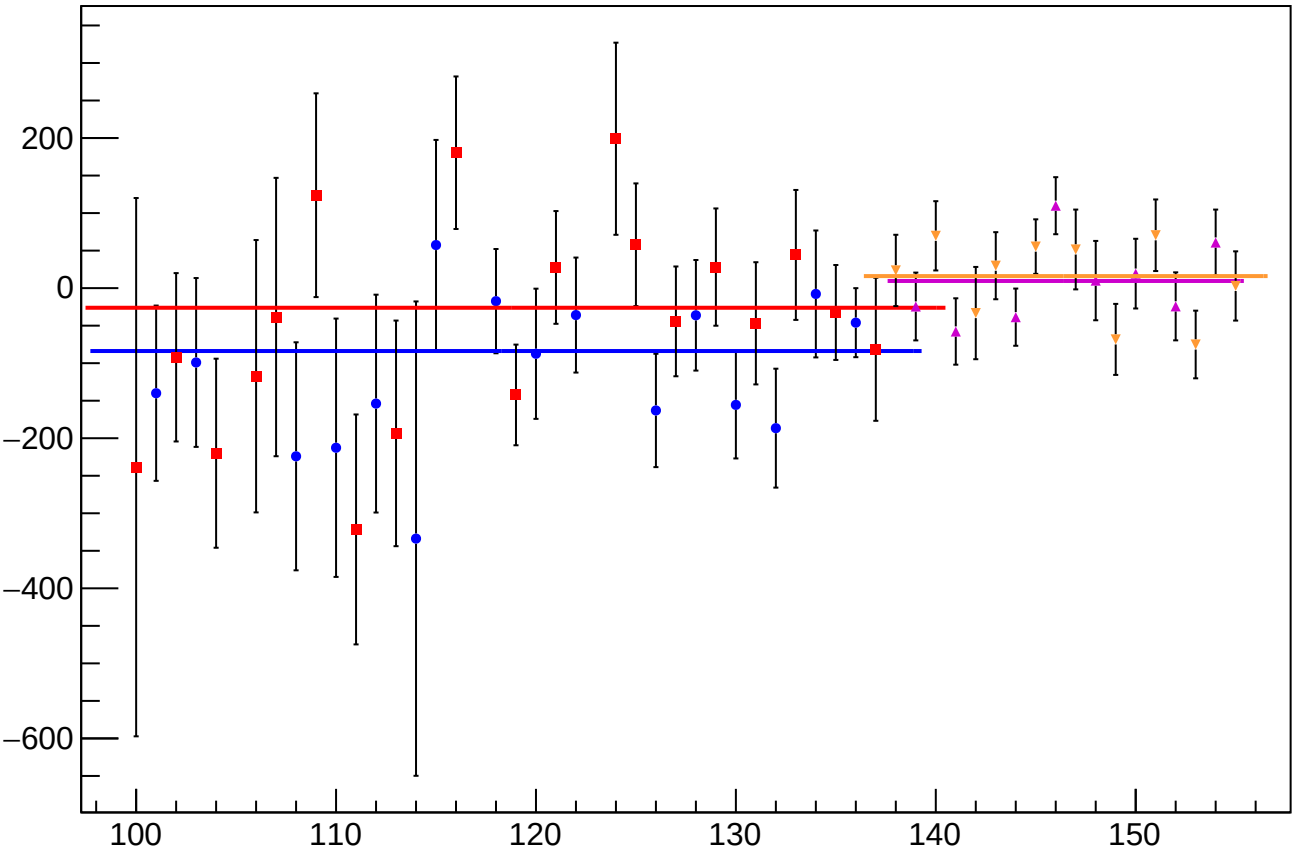
Left: 126.213+/-0.024 χ^2/NDF: 1621413.8/17

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 145.006+/-0.030 χ^2/NDF:5388668.4/23

Out: 148.012+/-0.030 χ^2/NDF:6264630.3/28

All: 146.519+/-0.021 χ^2/NDF: 11658222.3/52



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 16.043+/-14.684 χ^2/NDF:12.4/9

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 9.535+/-15.413 χ^2/NDF:13.4/7

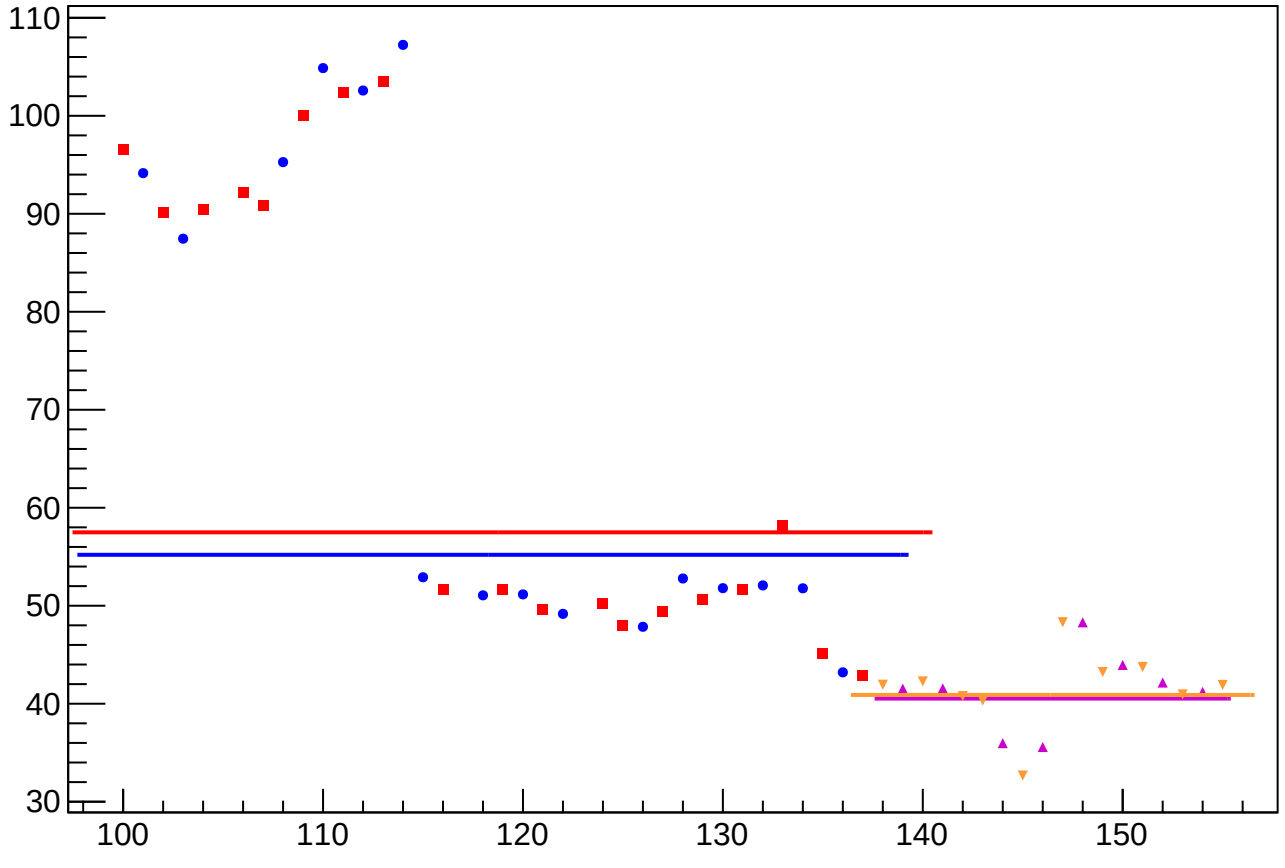
Left: 12.946+/-10.632 χ^2/NDF: 25.9/17

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -22.278+/-12.514 χ^2/NDF:36.5/23

Out: 3.097+/-12.225 χ^2/NDF:37.8/28

All: -9.295+/-8.745 χ^2/NDF: 76.4/52



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.895+/-0.010 χ^2/NDF:157679.5/9

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.527+/-0.011 χ^2/NDF:121799.4/7

Left: 40.720+/-0.008 χ^2/NDF: 280077.4/17

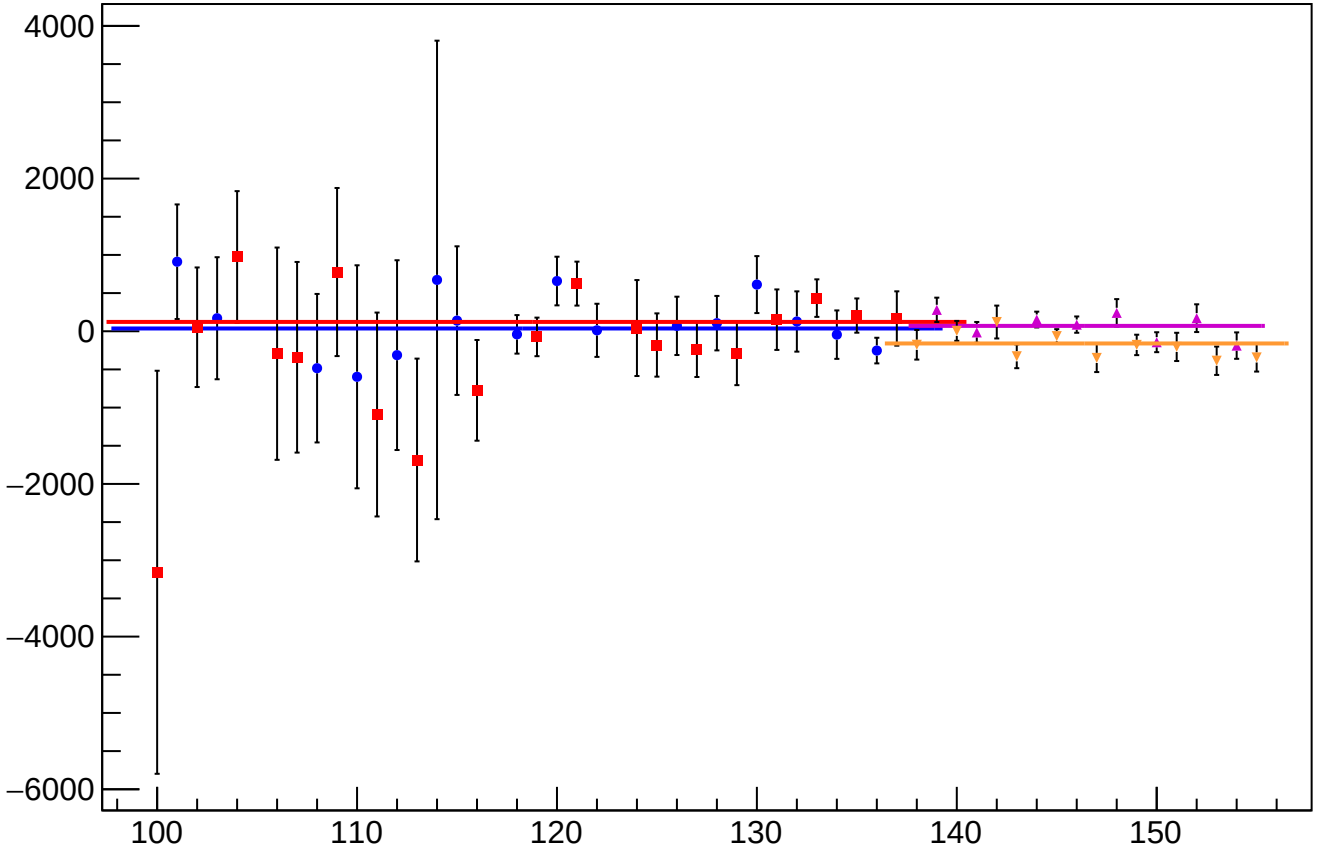
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 45.527+/-0.009 χ^2/NDF:1891978.2/23

Out: 45.988+/-0.009 χ^2/NDF:2215916.8/28

All: 45.763+/-0.006 χ^2/NDF: 4109281.7/52

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -159.970+/-47.675 χ^2/NDF:9.2/9

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 70.347+/-48.379 χ^2/NDF:8.9/7

Left: -46.499+/-33.957 χ^2/NDF: 29.6/17

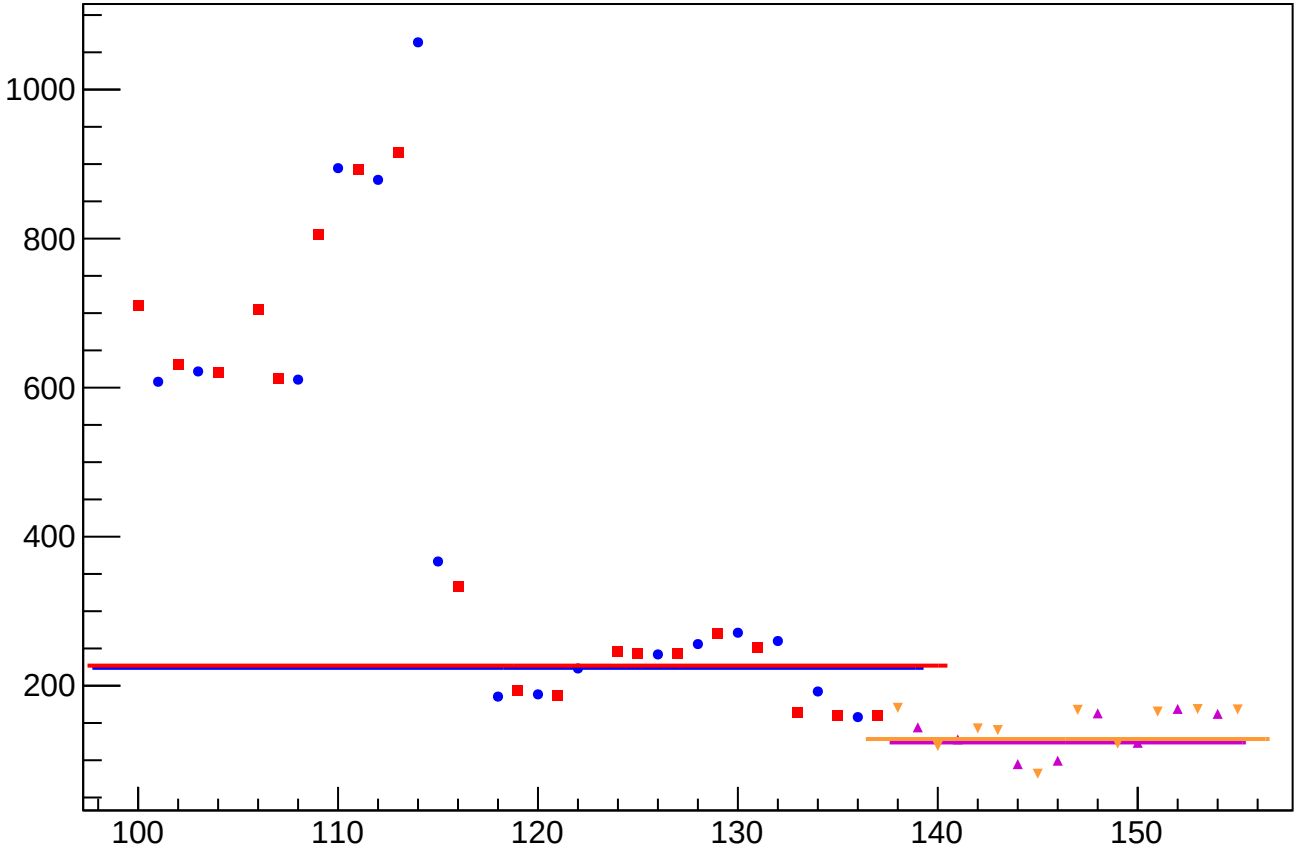
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 63.170+/-42.974 χ^2/NDF:20.4/23

Out: -104.003+/-42.687 χ^2/NDF:31.7/28

All: -20.976+/-30.285 χ^2/NDF: 59.7/52

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 128.483+/-0.034 χ^2/NDF:1000306.2/9

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 123.875+/-0.034 χ^2/NDF:611901.0/7

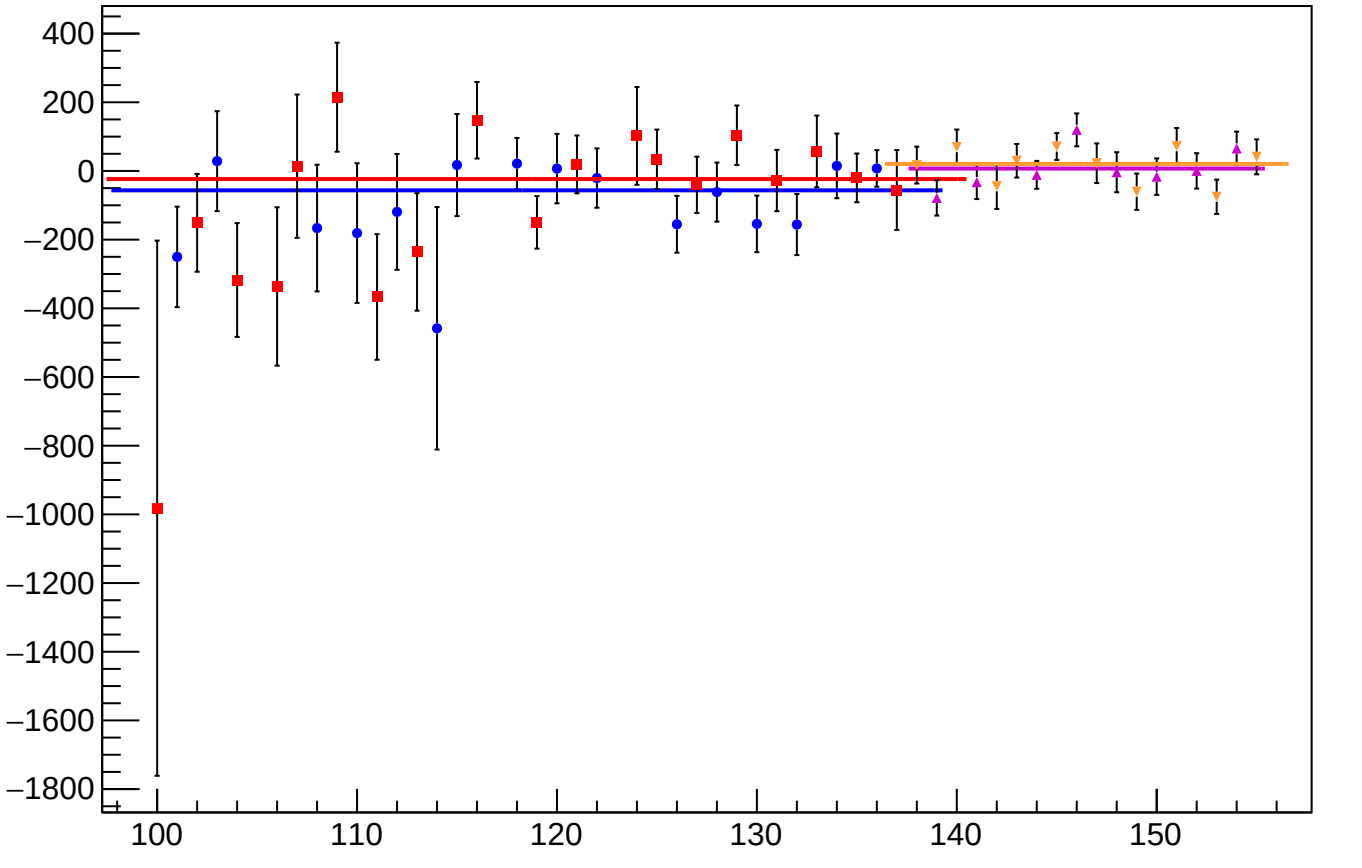
Left: 126.213+/-0.024 χ^2/NDF: 1621413.8/17

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 145.006+/-0.030 χ^2/NDF:5388668.4/23

Out: 148.012+/-0.030 χ^2/NDF:6264630.3/28

All: 146.519+/-0.021 χ^2/NDF: 11658222.3/52



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.476+/-16.147 χ^2/NDF:10.7/9

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 7.051+/-17.472 χ^2/NDF:10.9/7

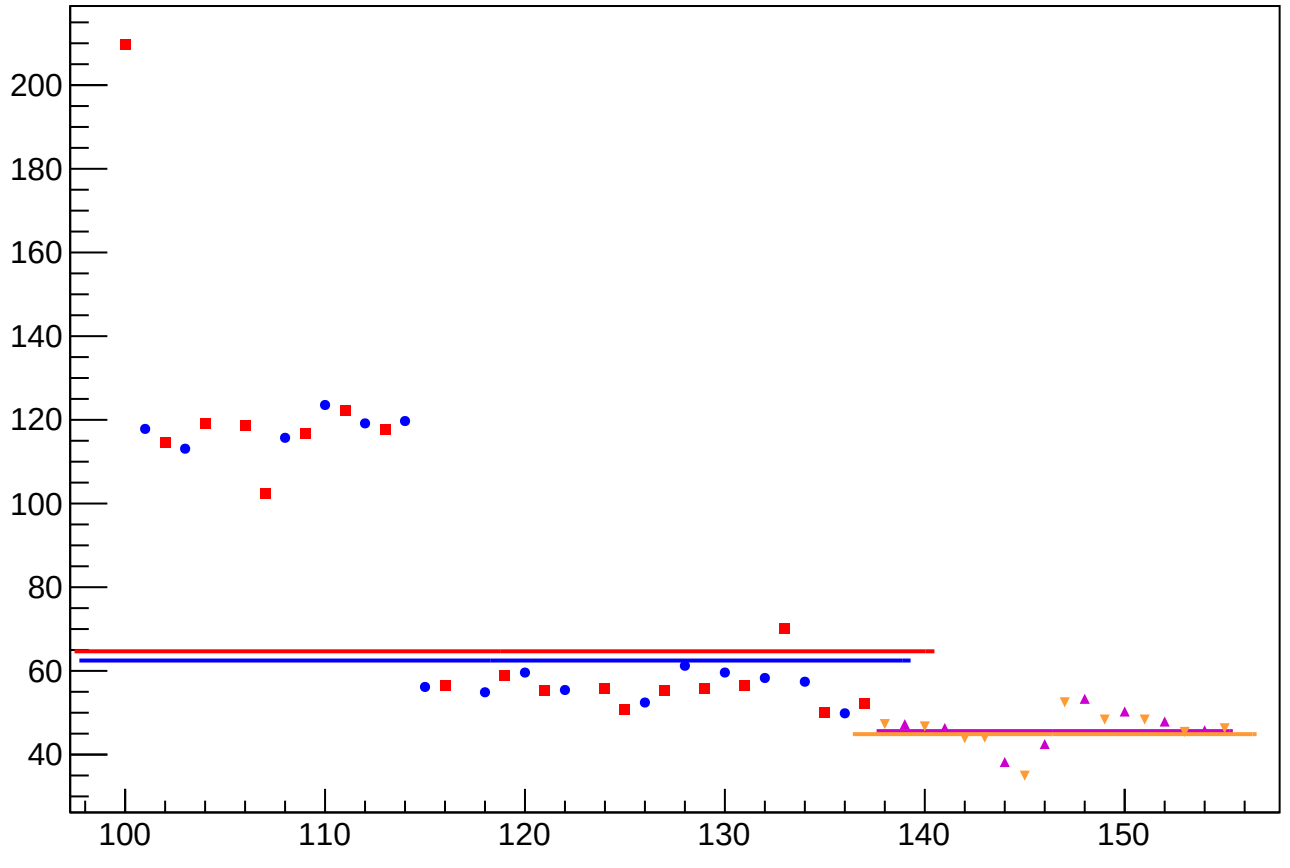
Left: 14.292+/-11.858 χ^2/NDF: 21.9/17

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -14.357+/-14.223 χ^2/NDF:27.6/23

Out: 7.649+/-13.589 χ^2/NDF:37.0/28

All: -2.852+/-9.825 χ^2/NDF: 65.8/52



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 44.880+/-0.011 χ^2/NDF:190457.4/9

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 45.606+/-0.012 χ^2/NDF:131420.2/7

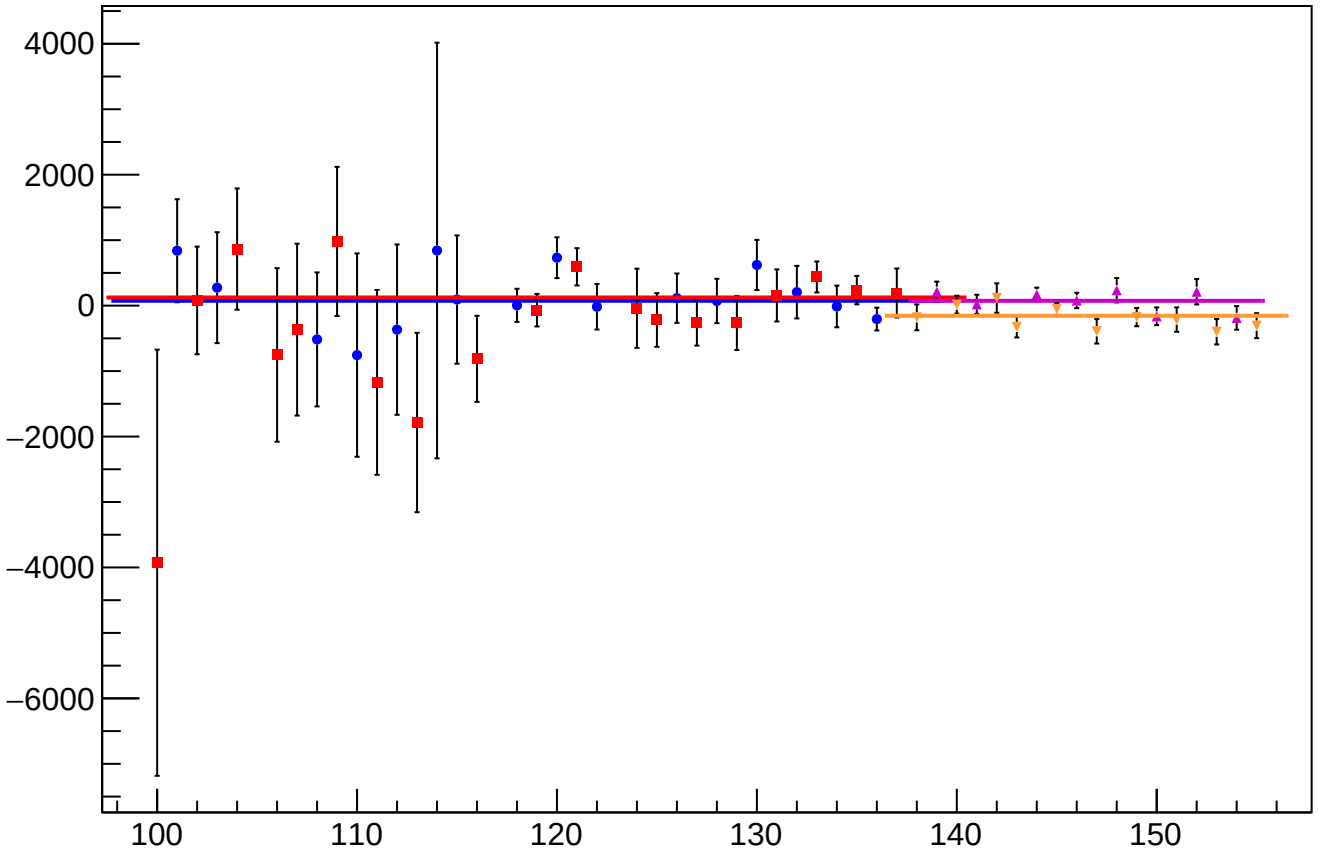
Left: 45.215+/-0.008 χ^2/NDF: 323739.1/17

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 51.296+/-0.010 χ^2/NDF:2108474.1/23

Out: 50.656+/-0.010 χ^2/NDF:2658199.8/28

All: 50.961+/-0.007 χ^2/NDF: 4768791.7/52



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -155.019+/-48.550 χ^2/NDF:9.4/9

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 73.509+/-50.454 χ^2/NDF:8.2/7

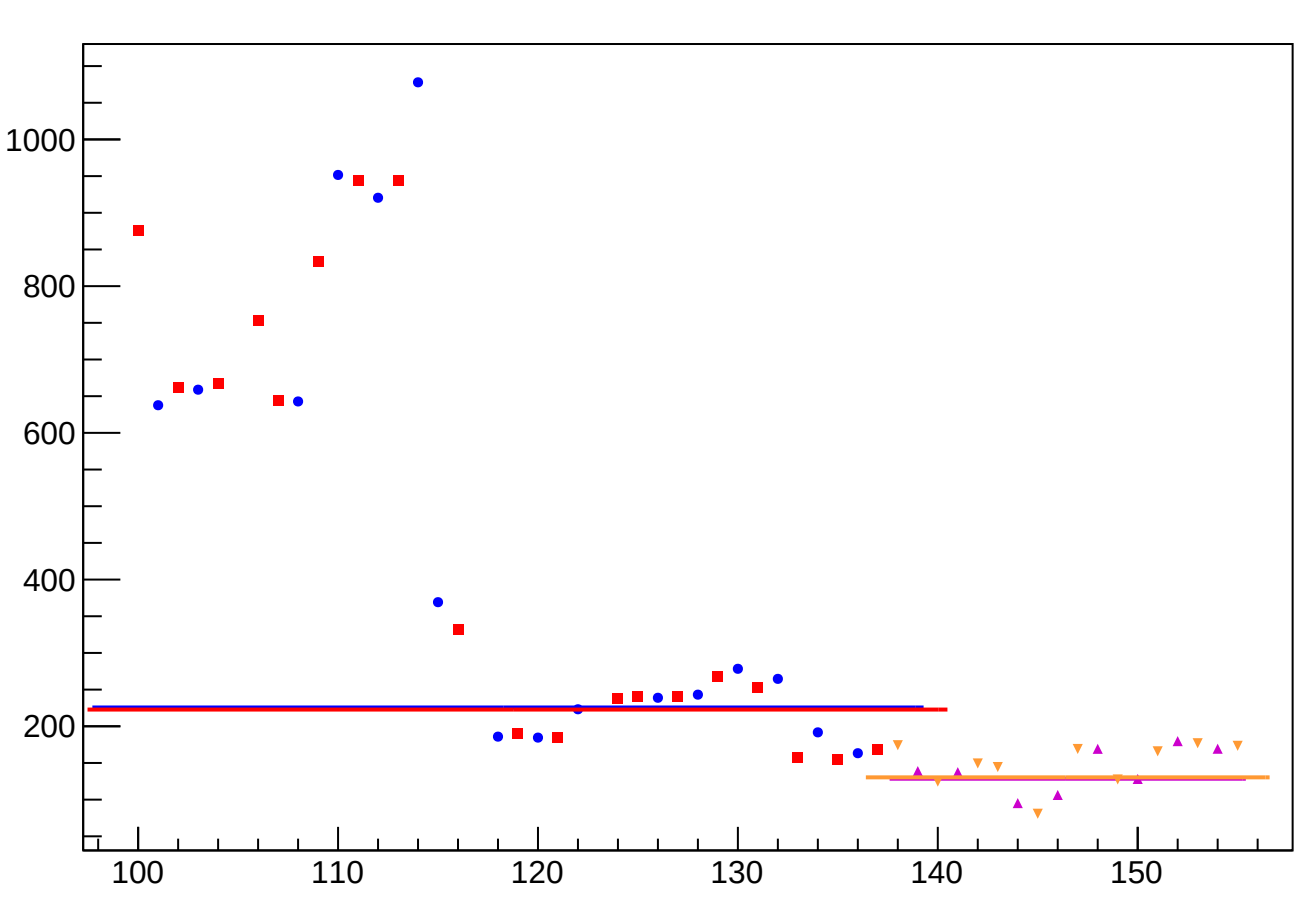
Left: -45.148+/-34.984 χ^2/NDF: 28.3/17

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 73.683+/-44.507 χ^2/NDF:19.4/23

Out: -96.871+/-43.200 χ^2/NDF:32.6/28

All: -14.134+/-30.999 χ^2/NDF: 59.6/52



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 130.376+/-0.034 χ^2/NDF:1113161.7/9

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 128.515+/-0.036 χ^2/NDF:627278.7/7

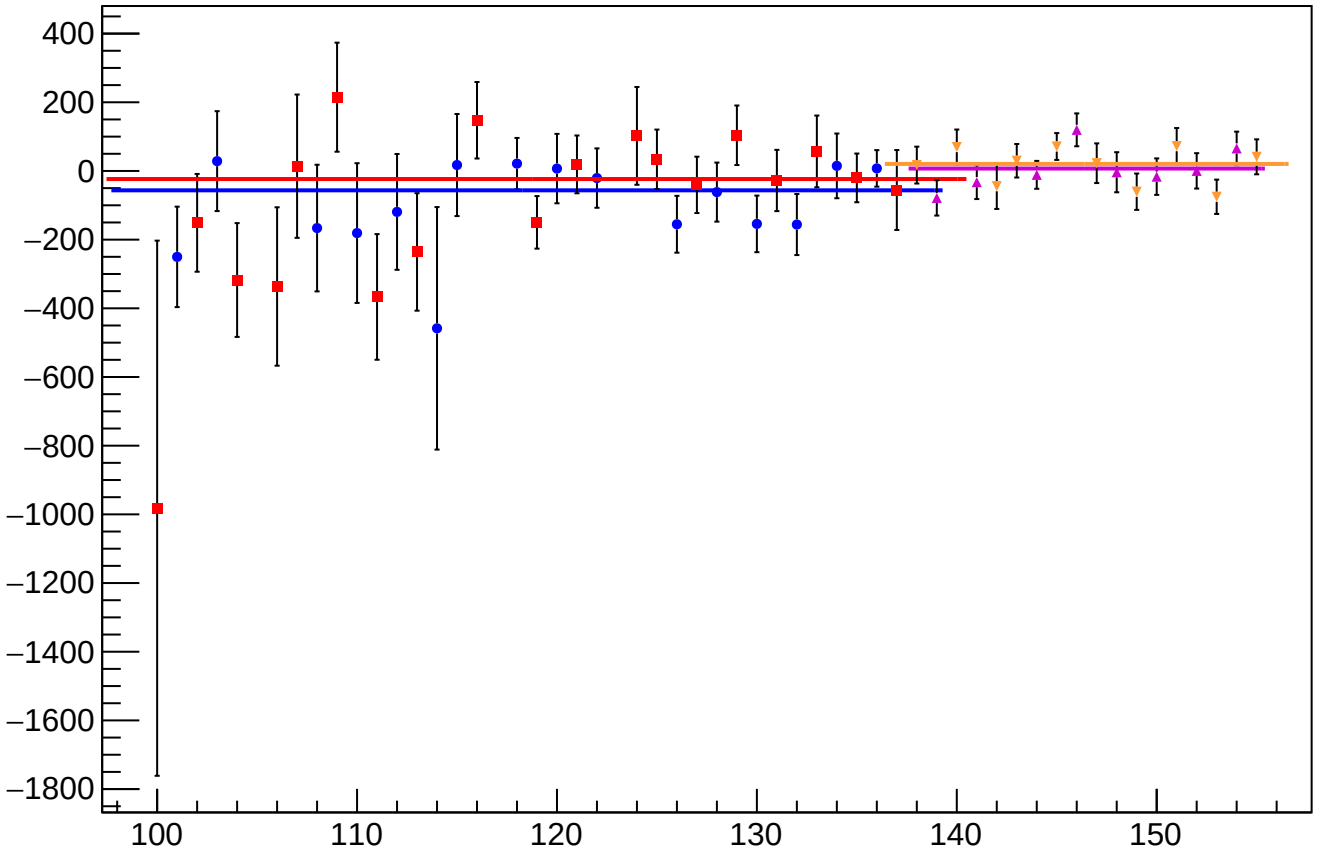
Left: 129.481+/-0.025 χ^2/NDF: 1741852.0/17

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 150.057+/-0.031 χ^2/NDF:5296628.1/23

Out: 149.620+/-0.031 χ^2/NDF:6470276.6/28

All: 149.832+/-0.022 χ^2/NDF: 11767003.8/52



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 20.477+/-16.147 χ^2/NDF:10.7/9

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 7.052+/-17.472 χ^2/NDF:10.9/7

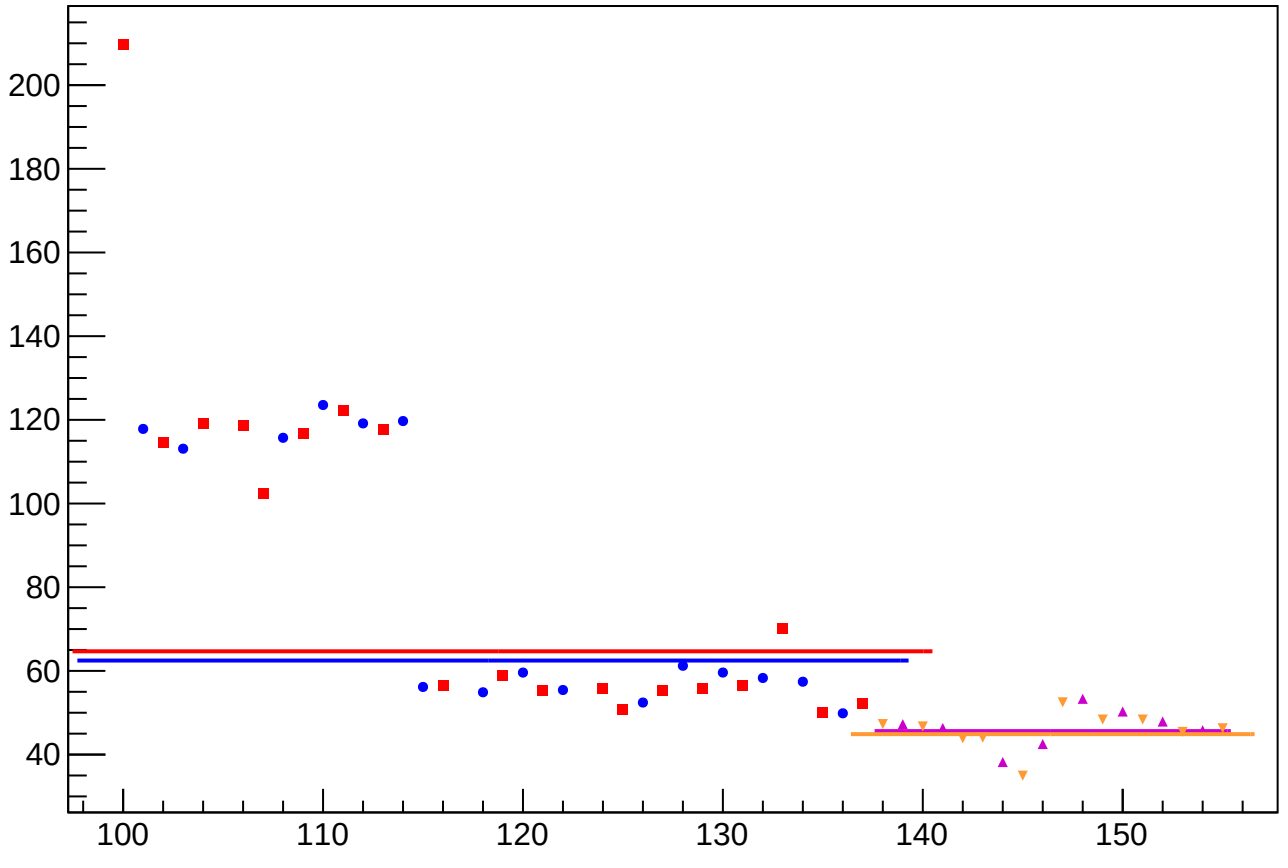
Left: 14.293+/-11.858 χ^2/NDF: 21.9/17

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -14.357+/-14.223 χ^2/NDF:27.6/23

Out: 7.649+/-13.589 χ^2/NDF:37.0/28

All: -2.852+/-9.825 χ^2/NDF: 65.8/52



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 44.880+/-0.011 χ^2/NDF:190460.5/9

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.606+/-0.012 χ^2/NDF:131420.2/7

Left: 45.215+/-0.008 χ^2/NDF: 323742.1/17

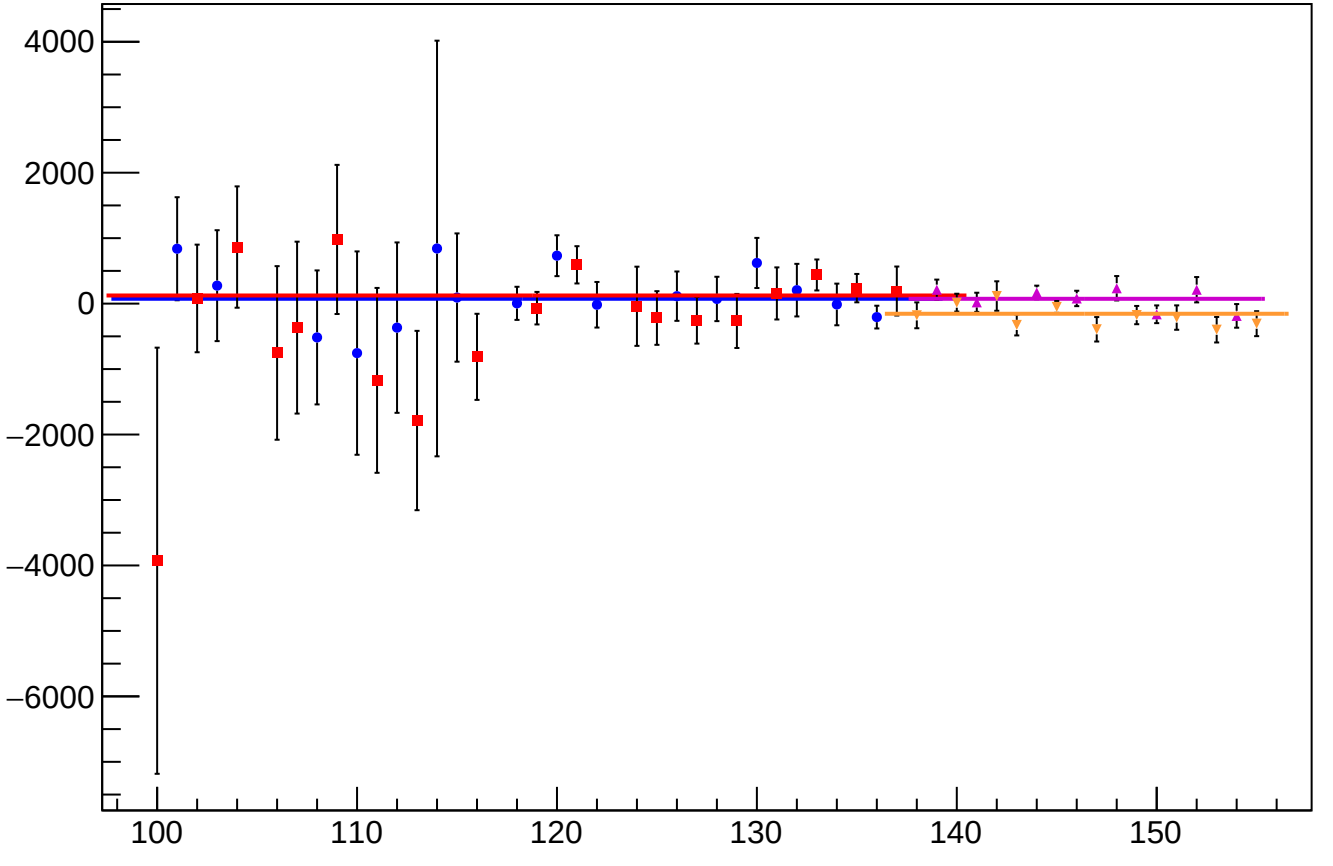
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 51.296+/-0.010 χ^2/NDF:2108417.8/23

Out: 50.656+/-0.010 χ^2/NDF:2658155.2/28

All: 50.961+/-0.007 χ^2/NDF: 4768690.2/52

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: -155.018+/-48.551 χ^2/NDF:9.4/9

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 73.509+/-50.454 χ^2/NDF:8.2/7

Left: -45.148+/-34.984 χ^2/NDF: 28.3/17

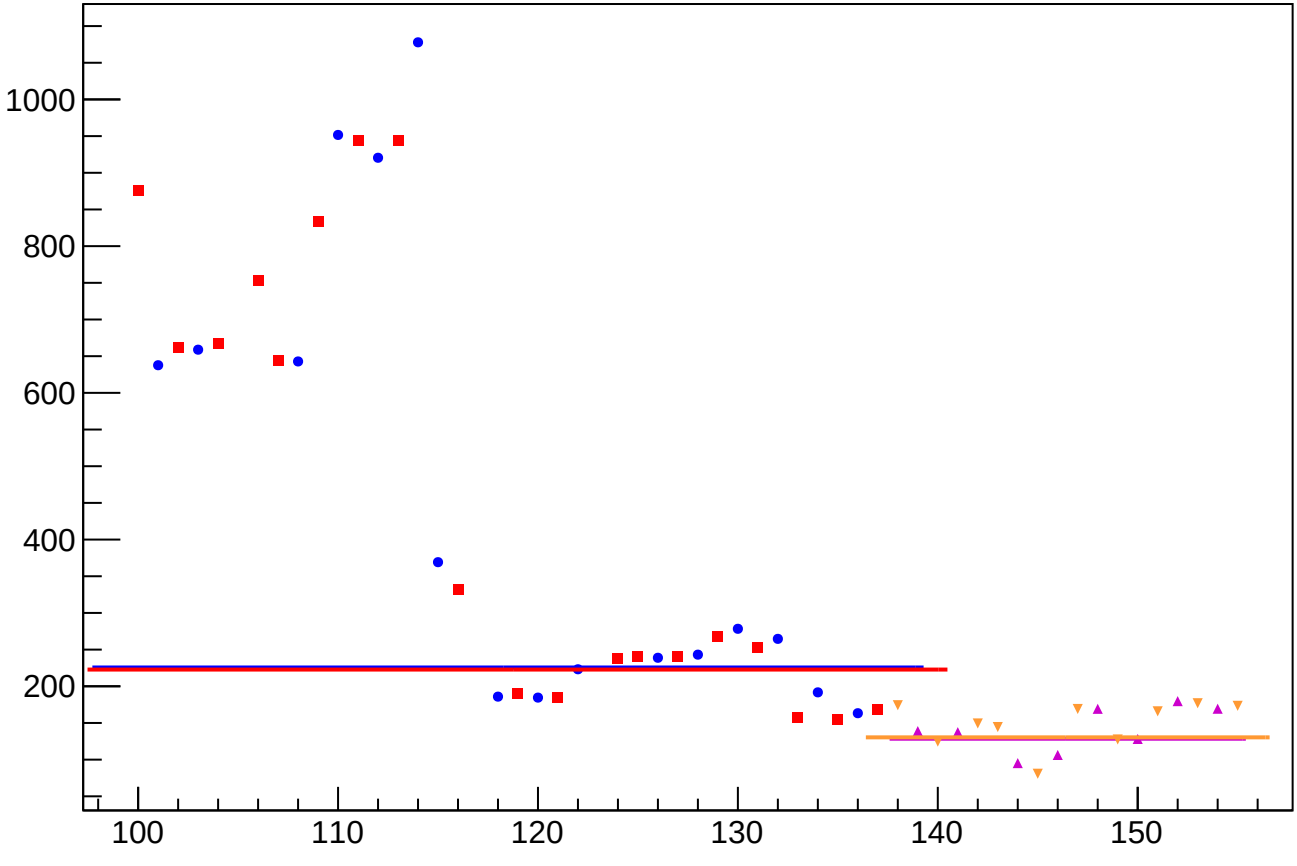
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 73.683+/-44.507 χ^2/NDF:19.4/23

Out: -96.871+/-43.200 χ^2/NDF:32.6/28

All: -14.134+/-30.999 χ^2/NDF: 59.6/52

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: 130.376+/-0.034 χ^2/NDF:1113156.1/9

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 128.516+/-0.036 χ^2/NDF:627278.8/7

Left: 129.482+/-0.025 χ^2/NDF: 1741846.8/17

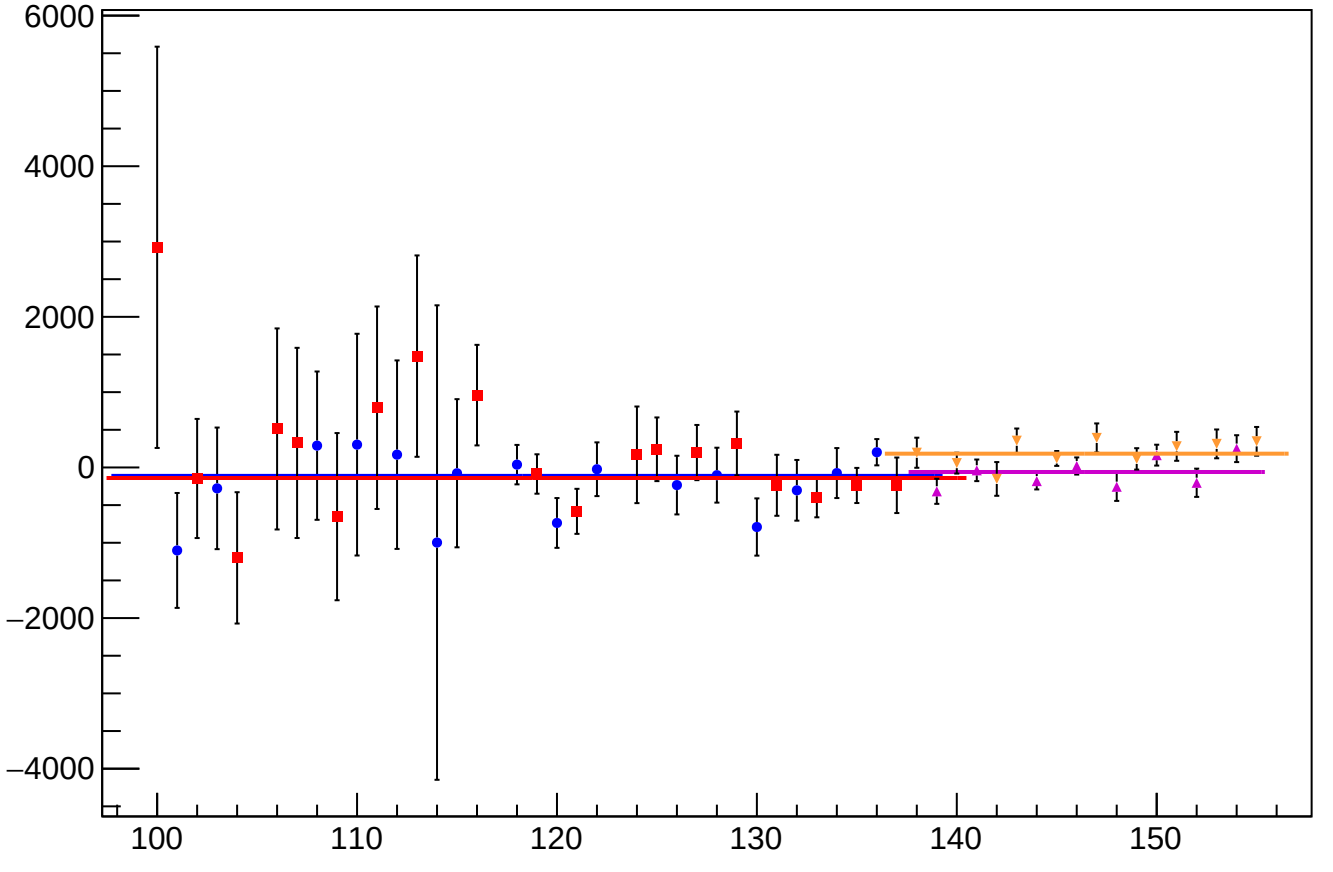
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 150.057+/-0.031 χ^2/NDF:5296607.1/23

Out: 149.621+/-0.031 χ^2/NDF:6470248.4/28

All: 149.832+/-0.022 χ^2/NDF: 11766954.5/52

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 183.023+/-50.235 χ^2/NDF:7.5/9

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -60.219+/-51.082 χ^2/NDF:11.3/7

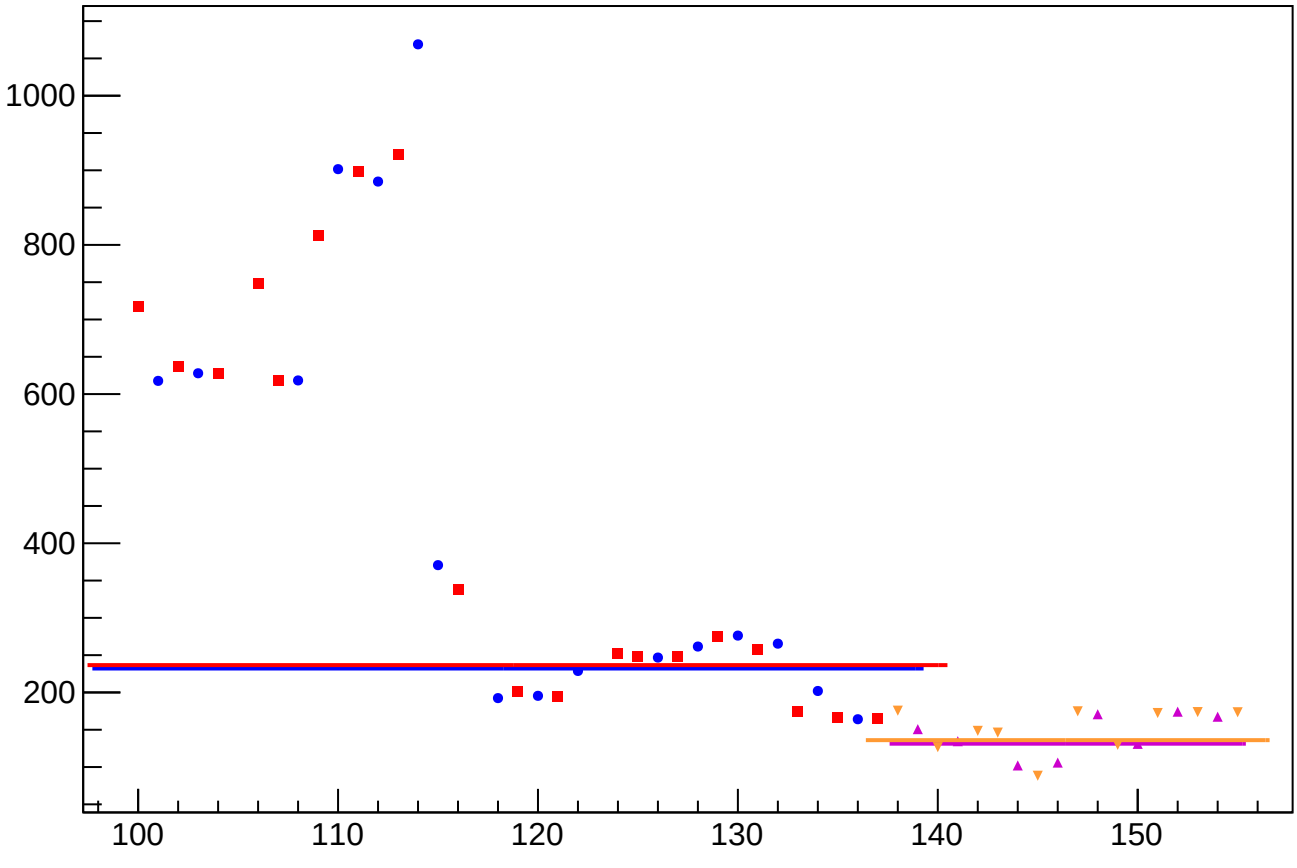
Left: 63.435+/-35.817 χ^2/NDF: 30.4/17

Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -71.525+/-45.152 χ^2/NDF:24.4/23

Out: 117.071+/-44.814 χ^2/NDF:30.6/28

All: 23.482+/-31.807 χ^2/NDF: 63.8/52



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 136.048+/-0.036 χ^2/NDF:878822.2/9

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 131.318+/-0.036 χ^2/NDF:540586.0/7

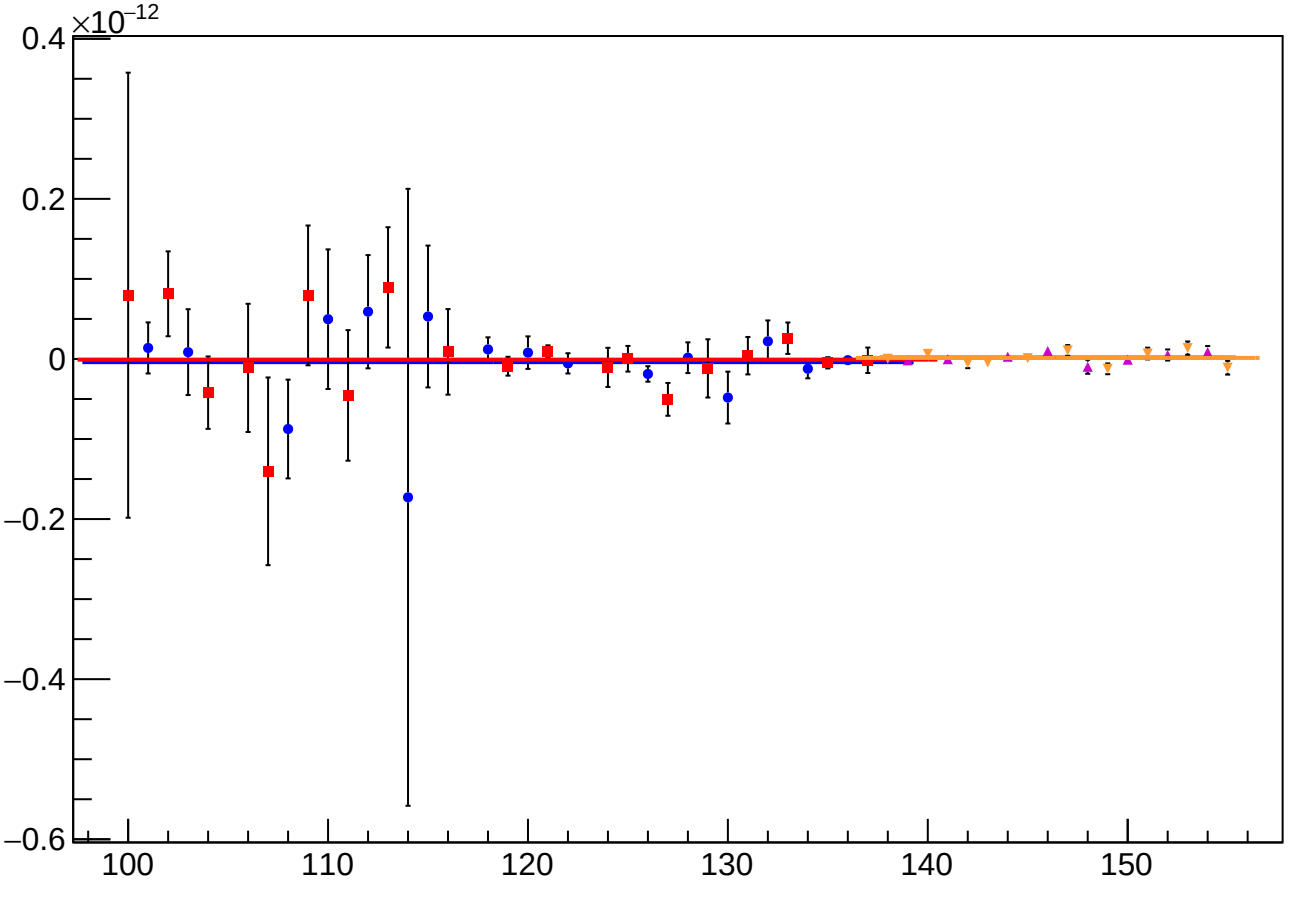
Left: 133.723+/-0.025 χ^2/NDF: 1428128.2/17

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 153.360+/-0.032 χ^2/NDF:5128911.9/23

Out: 156.589+/-0.032 χ^2/NDF:6037539.3/28

All: 154.987+/-0.022 χ^2/NDF: 11171605.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/9

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:5.7/7

Left: 0.000+/-0.000 χ^2/NDF: 20.7/17

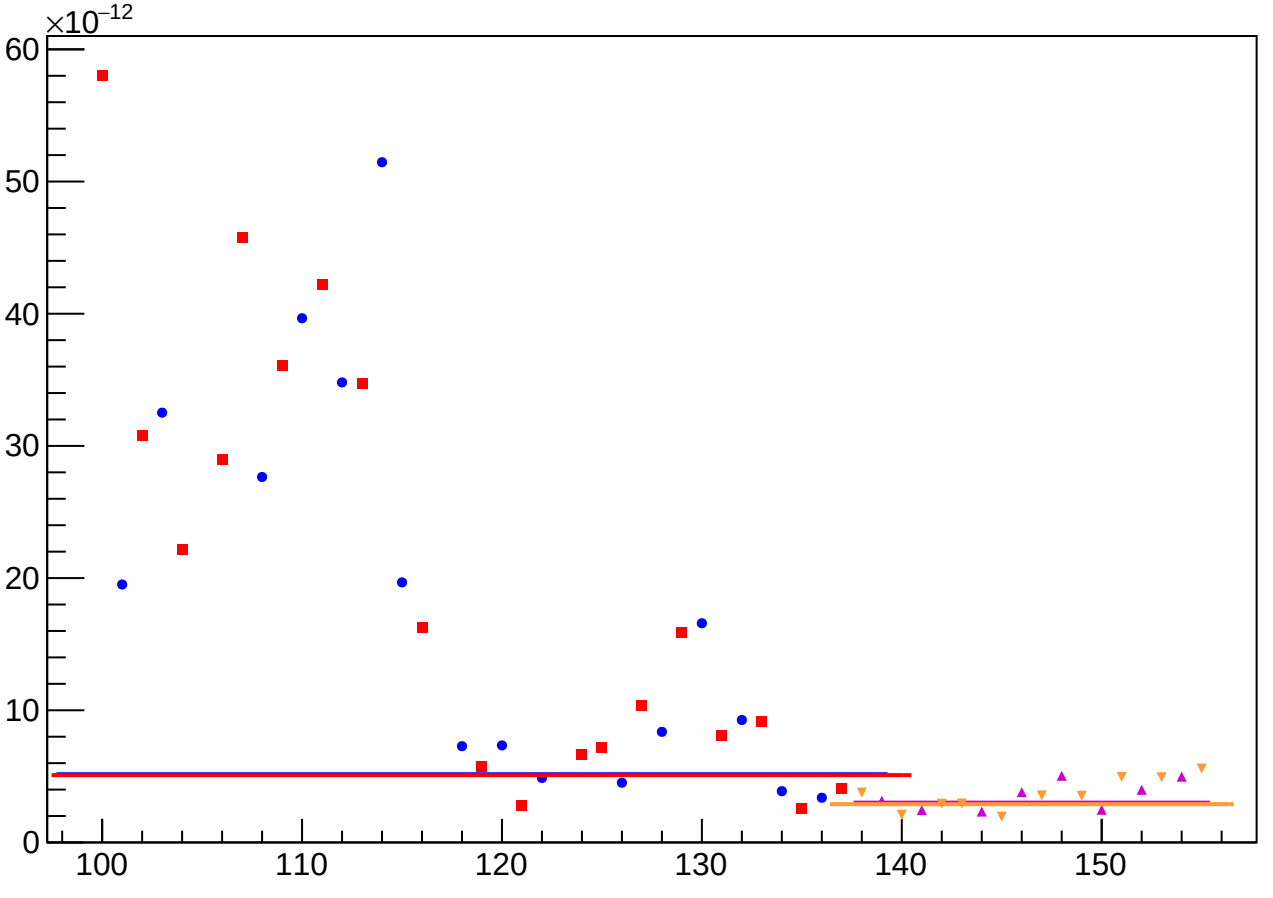
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:19.1/23

Out: 0.000+/-0.000 χ^2/NDF:33.2/28

All: 0.000+/-0.000 χ^2/NDF: 52.3/52

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:829362.2/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:453724.3/7

Left: 0.000+/-0.000 χ^2/NDF: 1287737.7/17

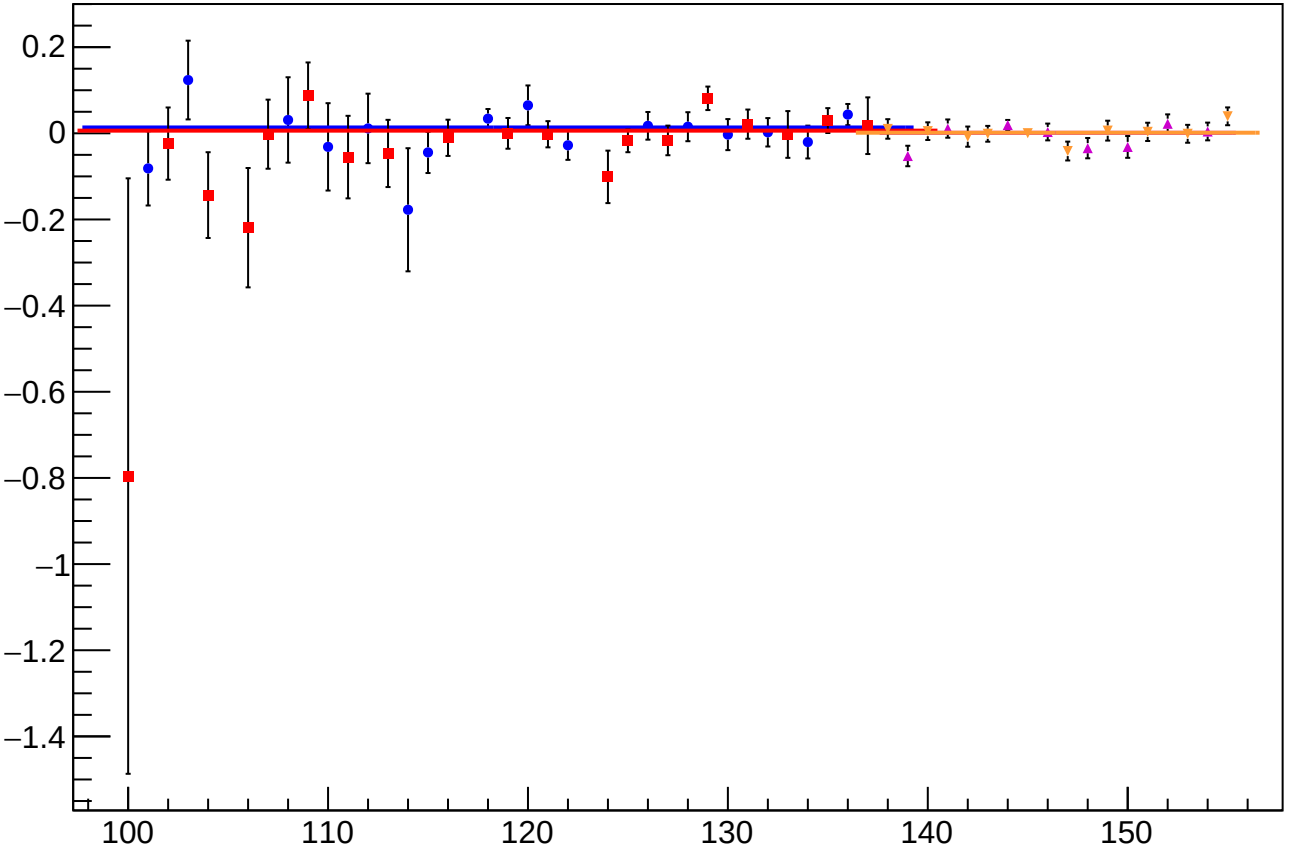
Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:3620904.9/23

Out: 0.000+/-0.000 χ^2/NDF:4591305.6/28

All: 0.000+/-0.000 χ^2/NDF: 8230425.4/52

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: 0.001+/-0.006 χ^2/NDF:7.6/9

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.007 χ^2/NDF:12.6/7

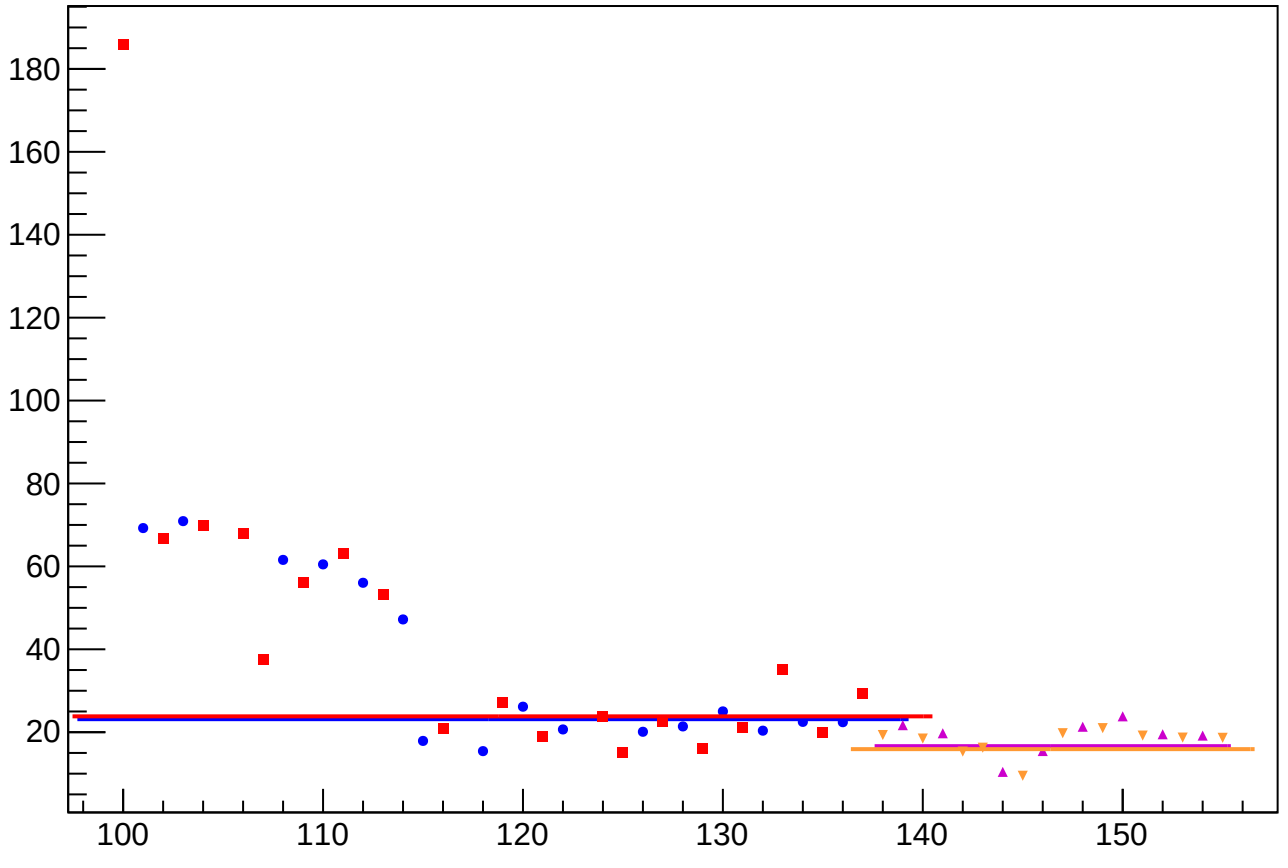
Left: 0.001+/-0.004 χ^2/NDF: 20.2/17

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.006 χ^2/NDF:26.0/23

Out: 0.003+/-0.005 χ^2/NDF:29.2/28

All: 0.004+/-0.004 χ^2/NDF: 55.3/52



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.916+/-0.004 χ^2/NDF:1000281.8/9

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 16.634+/-0.005 χ^2/NDF:1000641.3/7

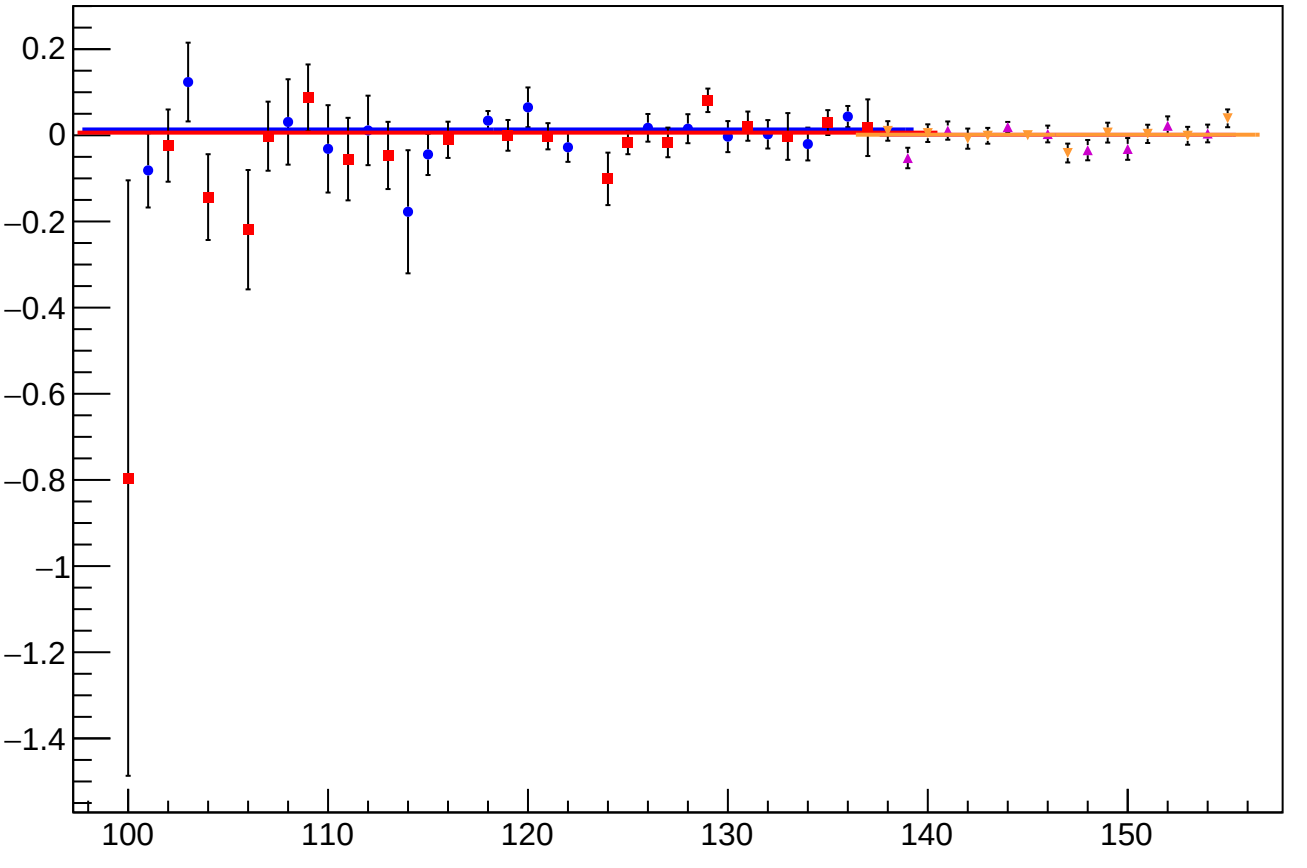
Left: 16.230+/-0.003 χ^2/NDF: 2013470.5/17

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.735+/-0.004 χ^2/NDF:3999448.2/23

Out: 17.988+/-0.004 χ^2/NDF:4810131.1/28

All: 18.331+/-0.003 χ^2/NDF: 8828868.4/52



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.001+/-0.006 χ^2/NDF:7.6/9

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.007 χ^2/NDF:12.6/7

Left: 0.001+/-0.004 χ^2/NDF: 20.2/17

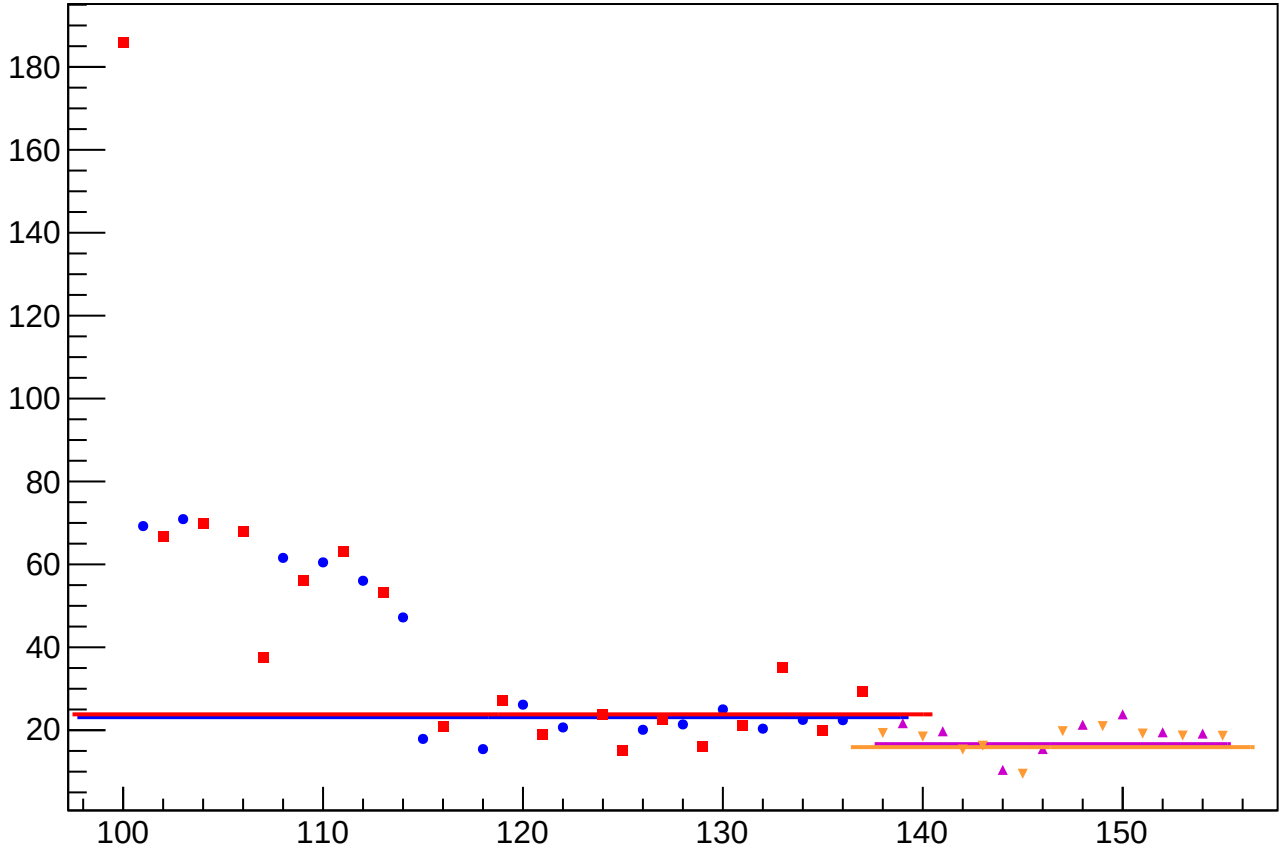
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.006 χ^2/NDF:26.0/23

Out: 0.003+/-0.005 χ^2/NDF:29.2/28

All: 0.004+/-0.004 χ^2/NDF: 55.3/52

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: 15.916+/-0.004 χ^2/NDF:1000281.8/9

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 16.634+/-0.005 χ^2/NDF:1000641.3/7

Left: 16.230+/-0.003 χ^2/NDF: 2013470.5/17

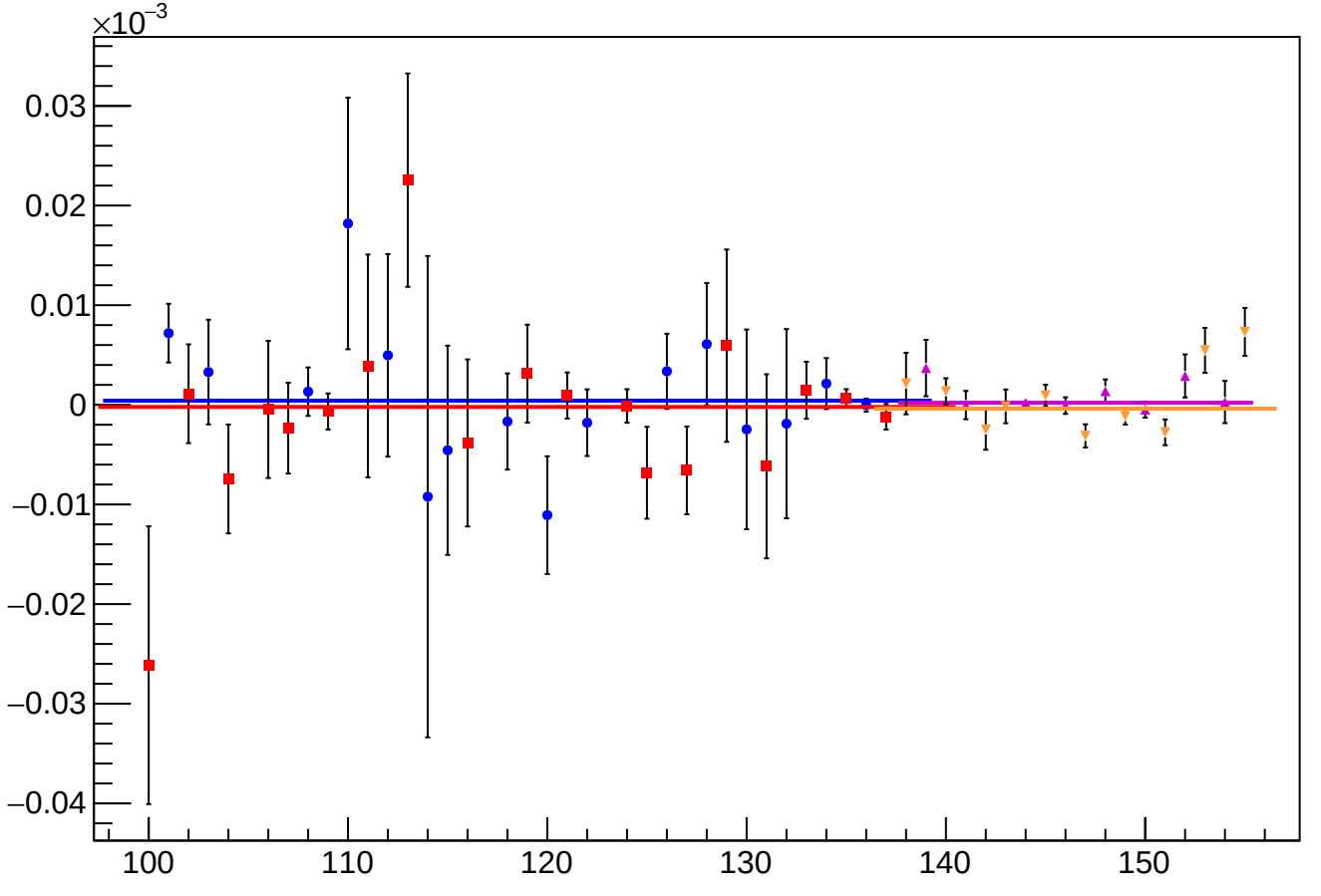
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.735+/-0.004 χ^2/NDF:3999448.2/23

Out: 17.988+/-0.004 χ^2/NDF:4810131.1/28

All: 18.331+/-0.003 χ^2/NDF: 8828868.4/52

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.7/9

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/7

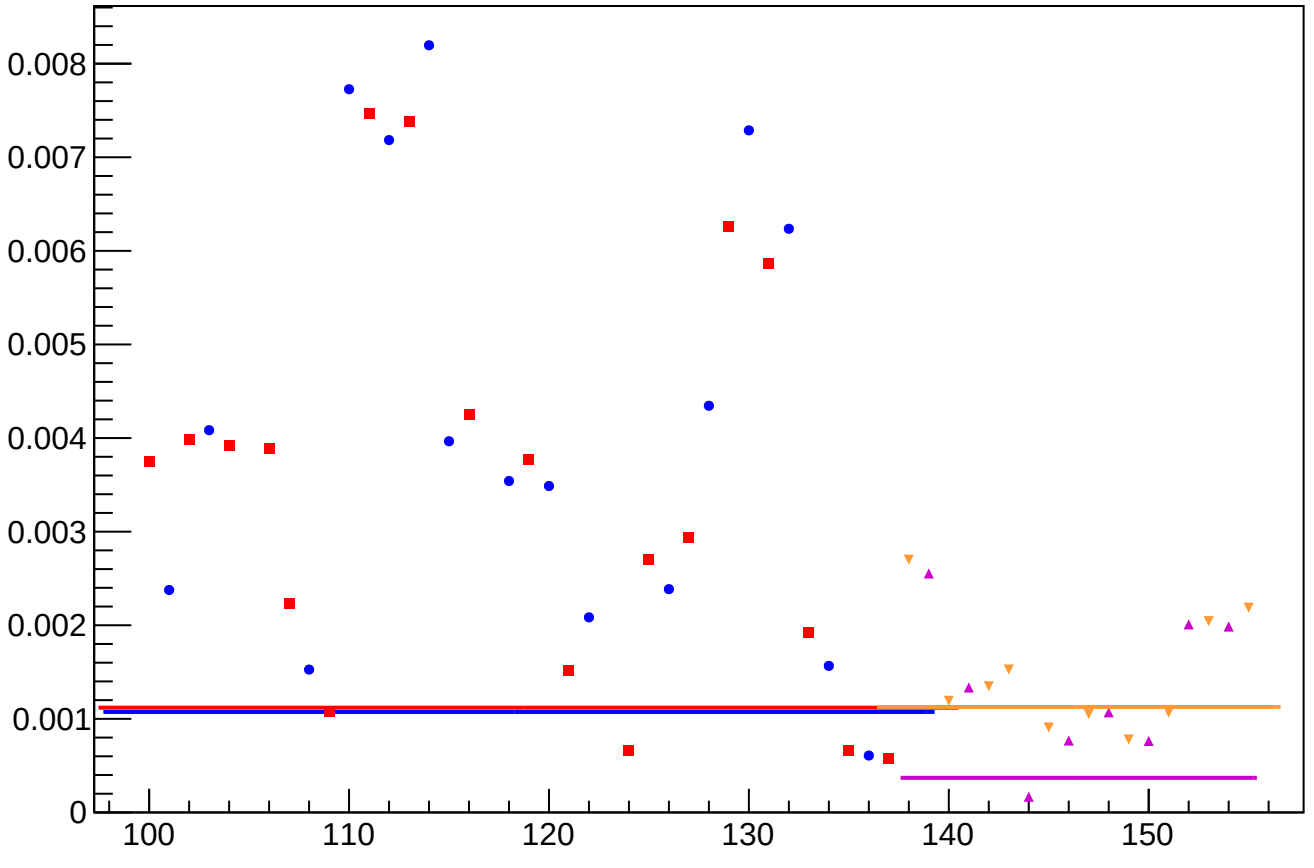
Left: 0.000+/-0.000 χ^2/NDF: 38.1/17

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:20.3/23

Out: -0.000+/-0.000 χ^2/NDF:49.7/28

All: 0.000+/-0.000 χ^2/NDF: 71.9/52



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:1807954.9/9

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7339633.3/7

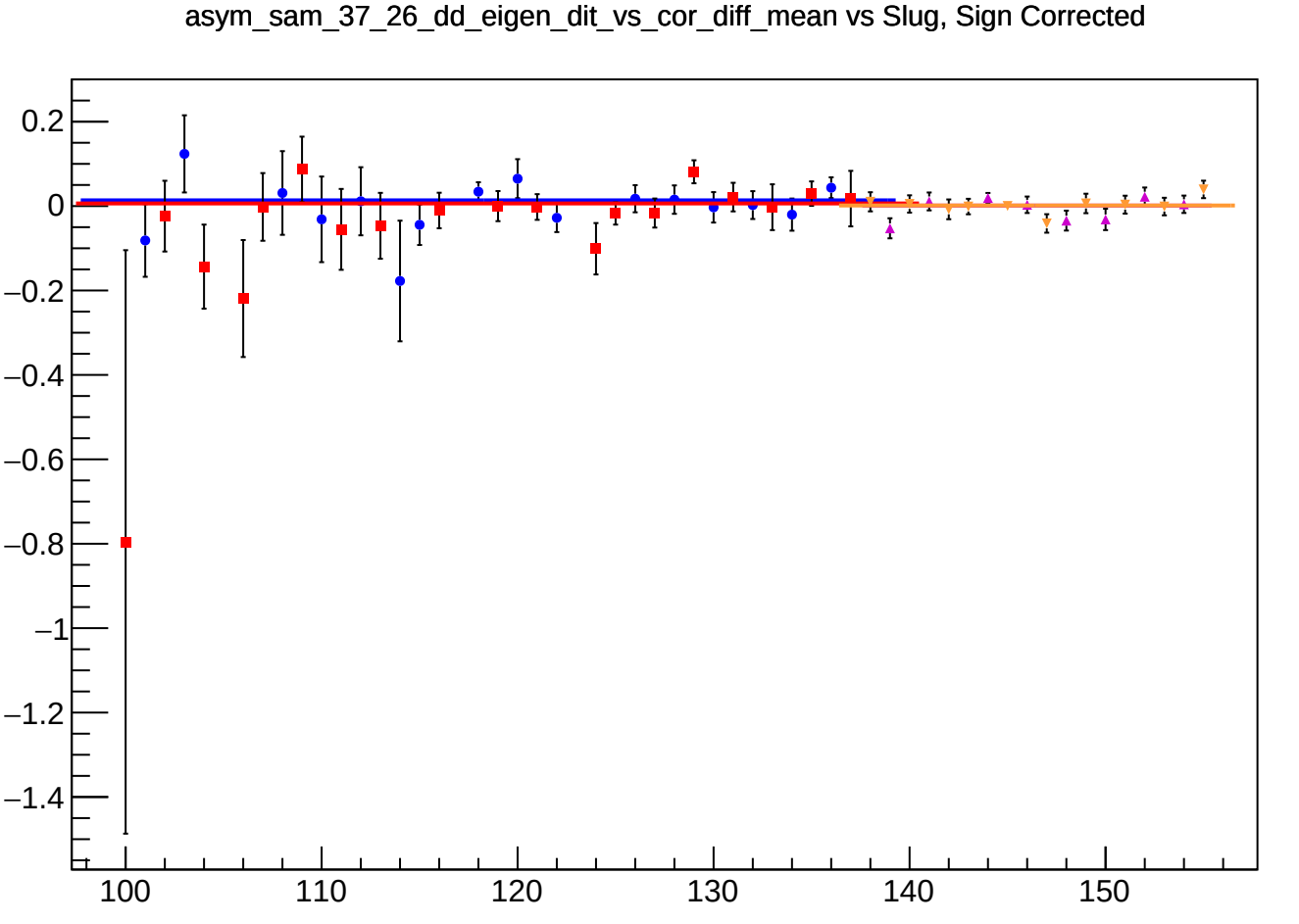
Left: 0.001+/-0.000 χ^2/NDF: 13910856.5/17

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

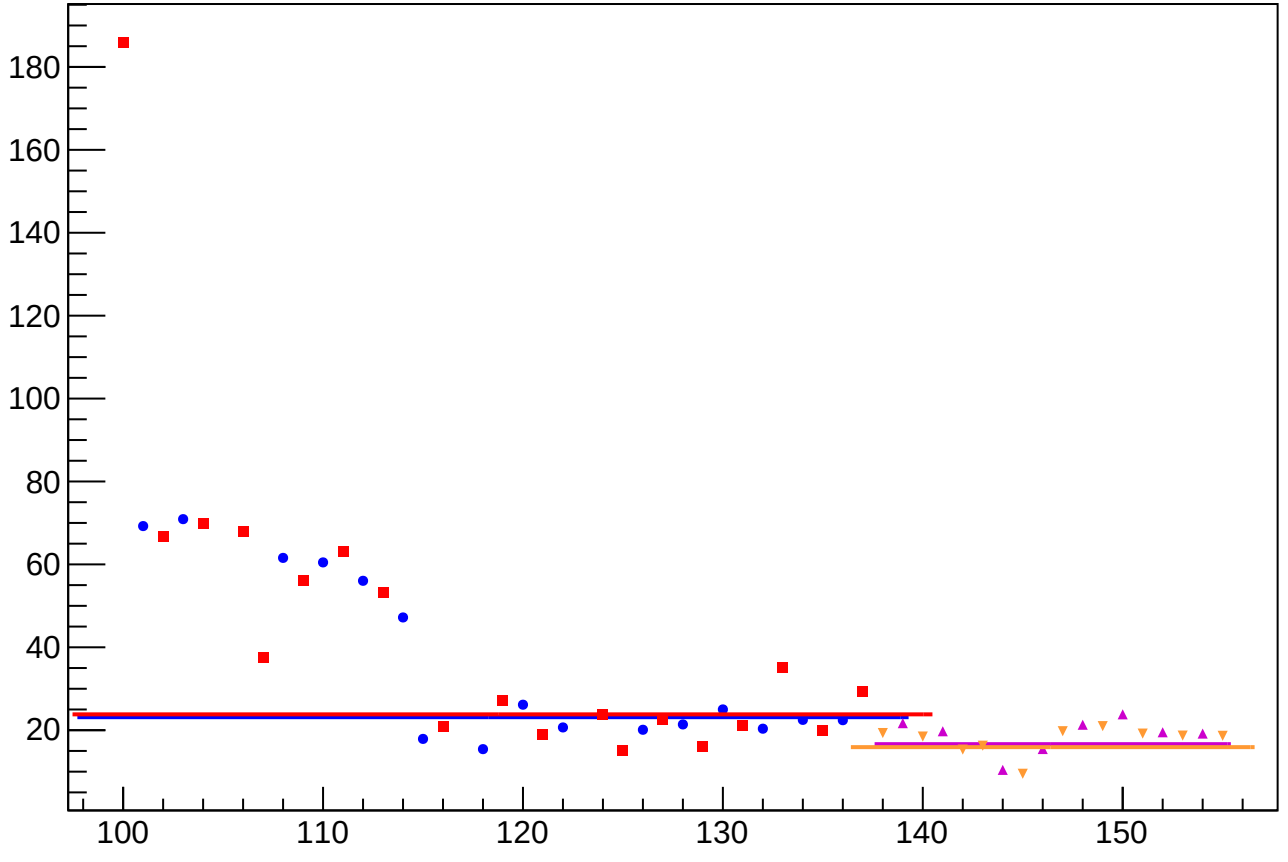
In: 0.000+/-0.000 χ^2/NDF:17102549.2/23

Out: 0.001+/-0.000 χ^2/NDF:8604517.9/28

All: 0.001+/-0.000 χ^2/NDF: 31038834.6/52


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: 0.001+/-0.006 χ²/NDF:7.6/9
Right Out: 0.006+/-0.010 χ²/NDF: 21.5/18
Left In: 0.001+/-0.007 χ²/NDF:12.6/7
Left: 0.001+/-0.004 χ²/NDF: 20.2/17
Right: 0.010+/-0.007 χ²/NDF: 34.1/34
In: 0.005+/-0.006 χ²/NDF:26.0/23
Out: 0.003+/-0.005 χ²/NDF:29.2/28
All: 0.004+/-0.004 χ²/NDF: 55.4/52

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: 15.916+/-0.004 χ^2/NDF:1000370.7/9

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 16.634+/-0.005 χ^2/NDF:1000608.9/7

Left: 16.230+/-0.003 χ^2/NDF: 2013528.8/17

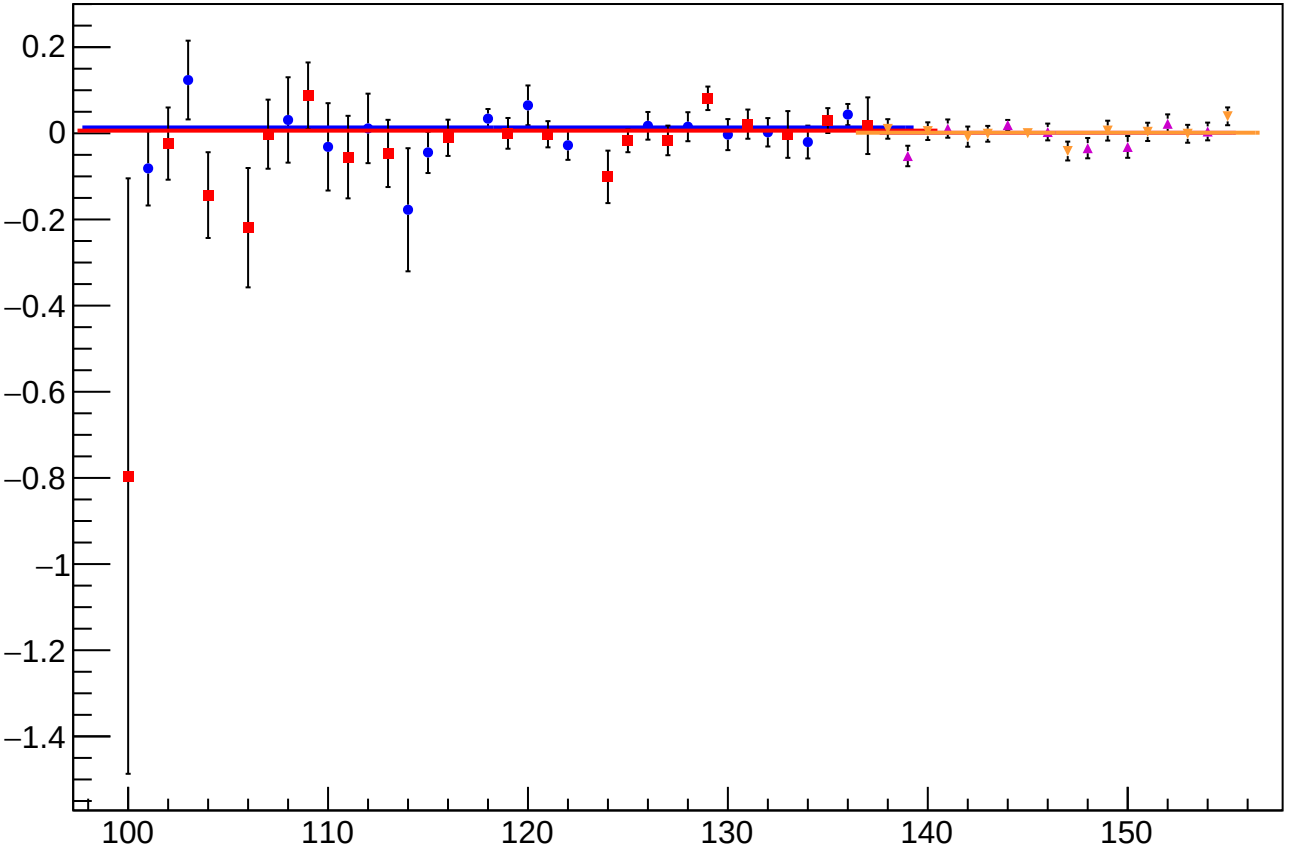
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.735+/-0.004 χ^2/NDF:3999215.2/23

Out: 17.988+/-0.004 χ^2/NDF:4810040.1/28

All: 18.331+/-0.003 χ^2/NDF: 8828536.3/52

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.001+/-0.006 χ^2/NDF:7.6/9

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.007 χ^2/NDF:12.6/7

Left: 0.001+/-0.004 χ^2/NDF: 20.2/17

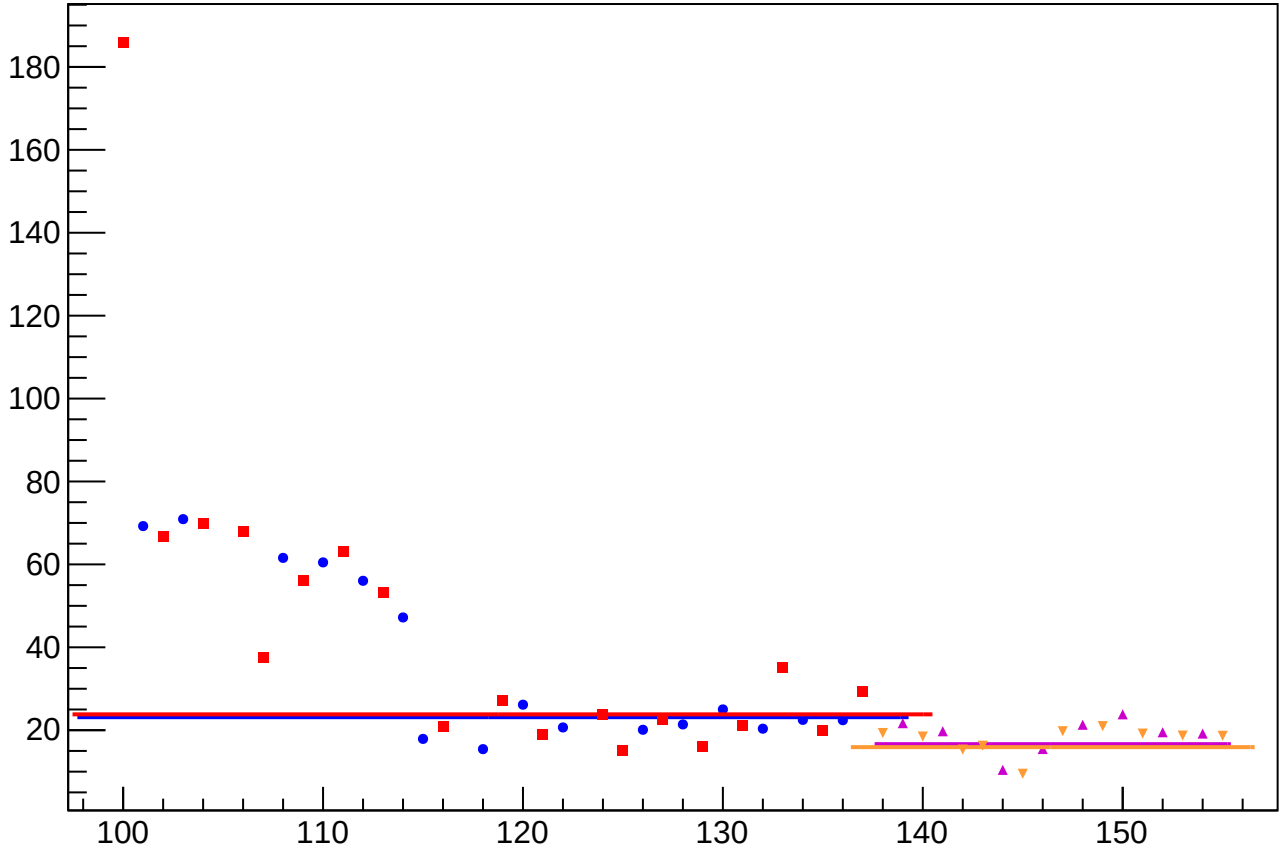
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.006 χ^2/NDF:26.0/23

Out: 0.003+/-0.005 χ^2/NDF:29.2/28

All: 0.004+/-0.004 χ^2/NDF: 55.4/52

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: 15.916+/-0.004 χ^2/NDF:1000370.7/9

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 16.634+/-0.005 χ^2/NDF:1000608.9/7

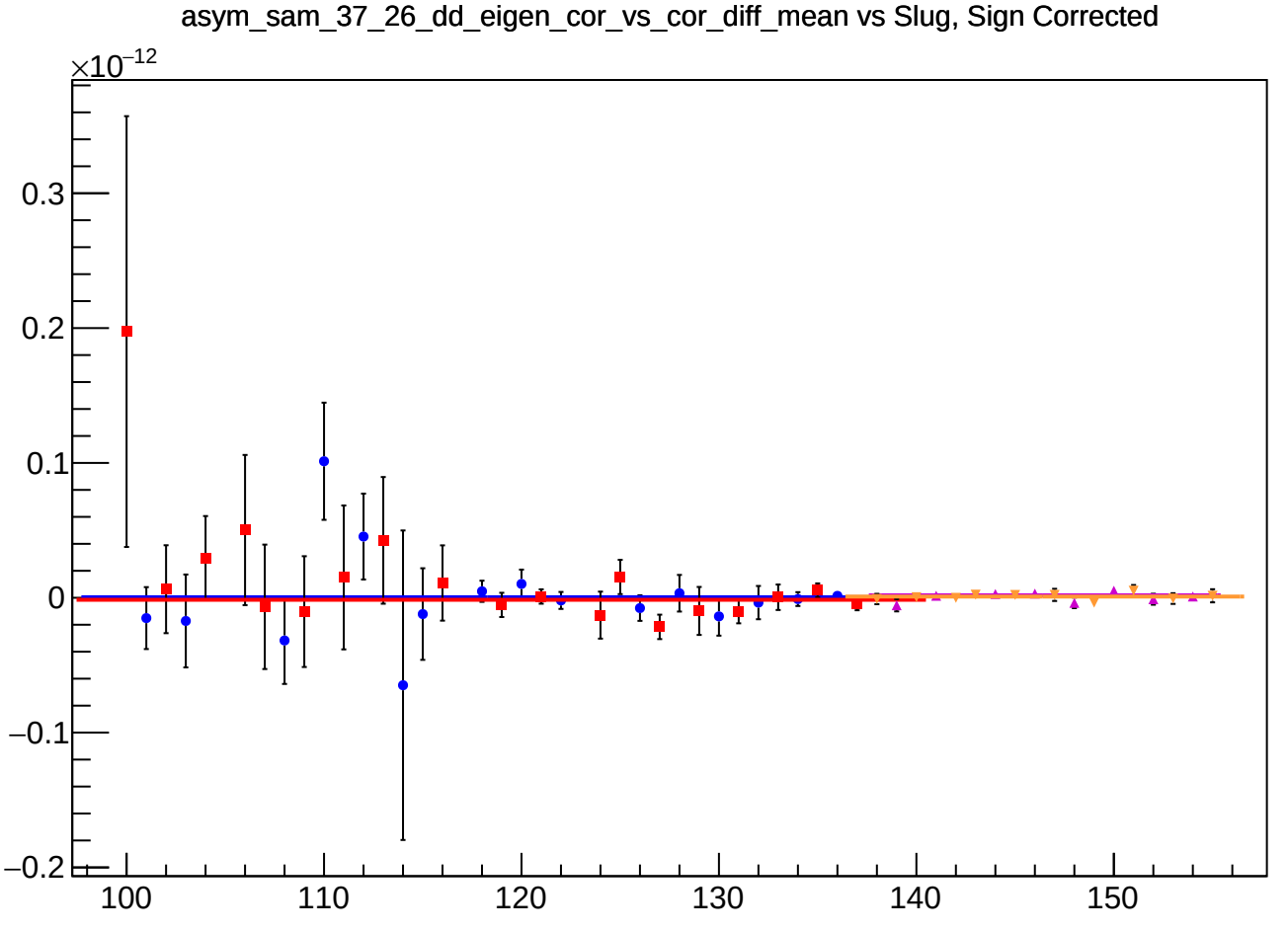
Left: 16.230+/-0.003 χ^2/NDF: 2013528.8/17

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.735+/-0.004 χ^2/NDF:3999215.2/23

Out: 17.988+/-0.004 χ^2/NDF:4810040.1/28

All: 18.331+/-0.003 χ^2/NDF: 8828536.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/9

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/7

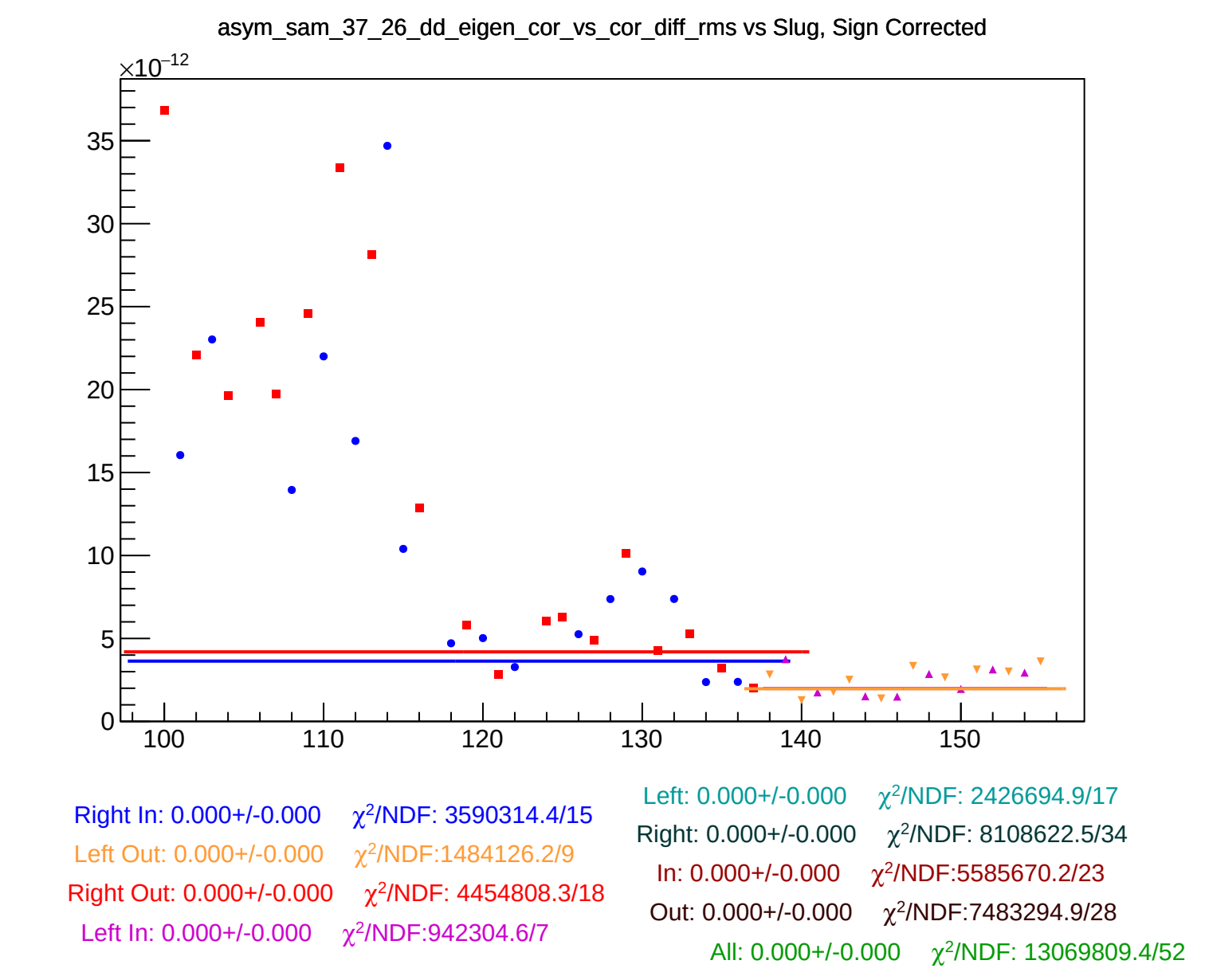
Left: 0.000+/-0.000 χ^2/NDF: 11.9/17

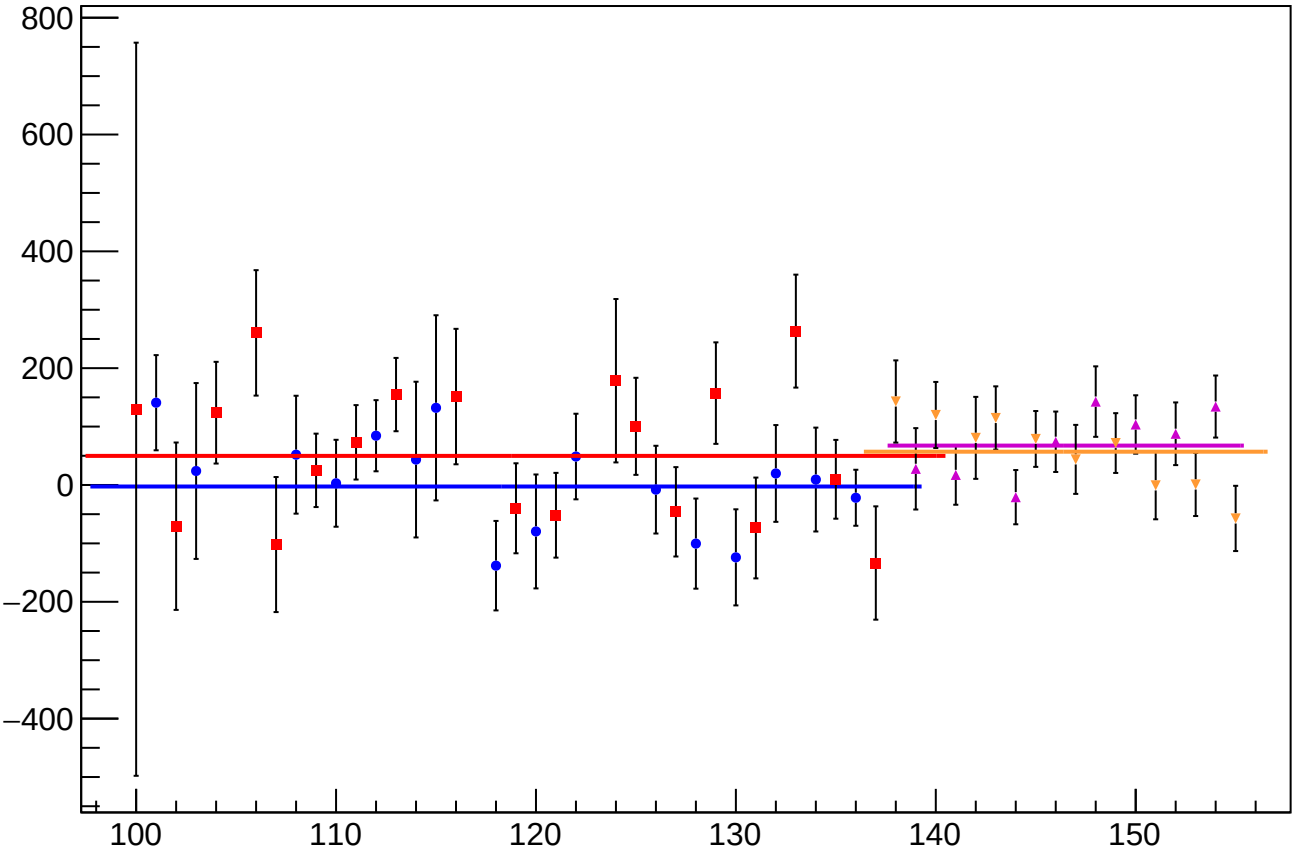
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:20.7/23

Out: 0.000+/-0.000 χ^2/NDF:20.5/28

All: 0.000+/-0.000 χ^2/NDF: 41.8/52


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:1484126.2/9
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:942304.6/7
Left: 0.000+/-0.000 χ²/NDF: 2426694.9/17
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:5585670.2/23
Out: 0.000+/-0.000 χ²/NDF:7483294.9/28
All: 0.000+/-0.000 χ²/NDF: 13069809.4/52



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 56.979+/-17.894 χ^2/NDF:10.6/9

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 67.430+/-18.889 χ^2/NDF:8.7/7

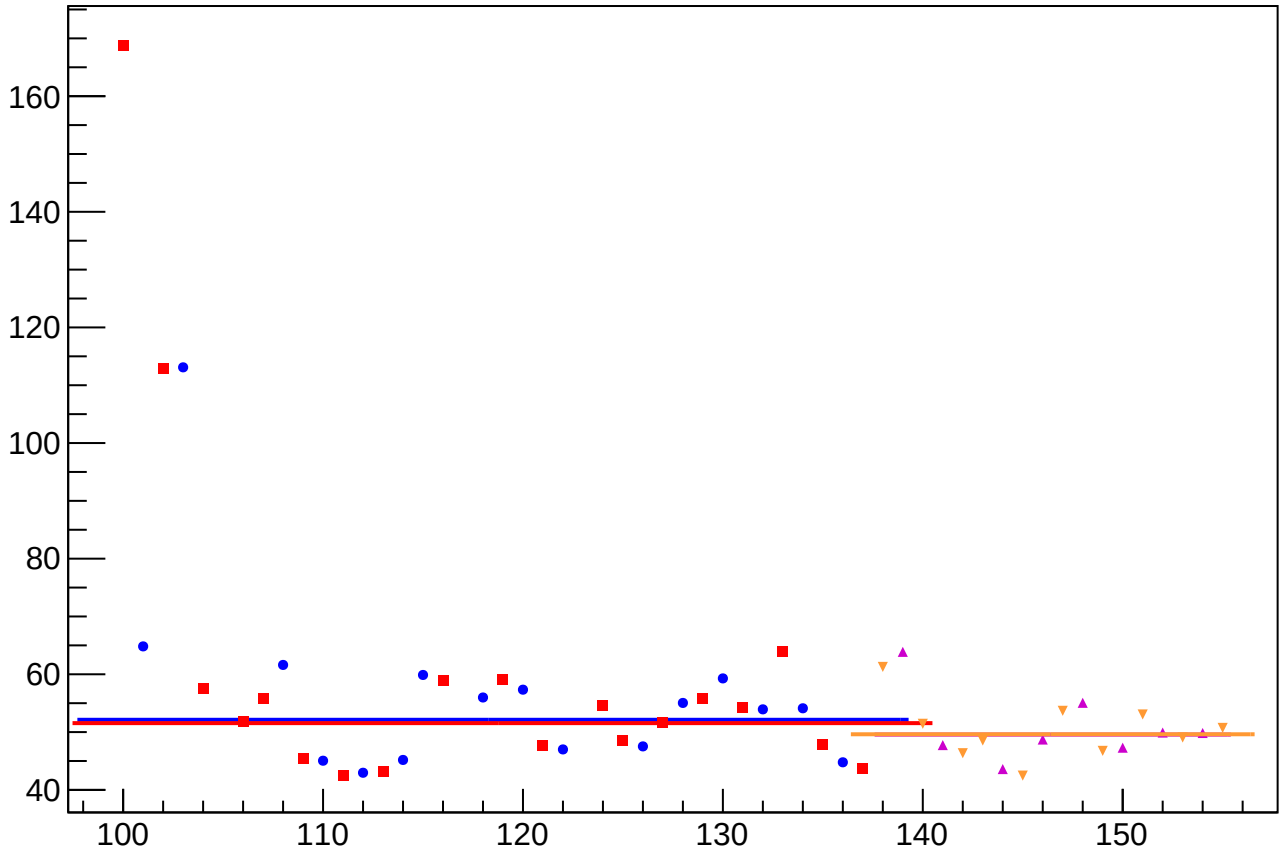
Left: 61.922+/-12.991 χ^2/NDF: 19.5/17

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 34.397+/-13.731 χ^2/NDF:29.8/23

Out: 53.724+/-13.222 χ^2/NDF:40.0/28

All: 44.426+/-9.524 χ^2/NDF: 70.8/52



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.622+/-0.013 χ^2/NDF:130433.0/9

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.566+/-0.013 χ^2/NDF:141352.8/7

Left: 49.596+/-0.009 χ^2/NDF: 271795.1/17

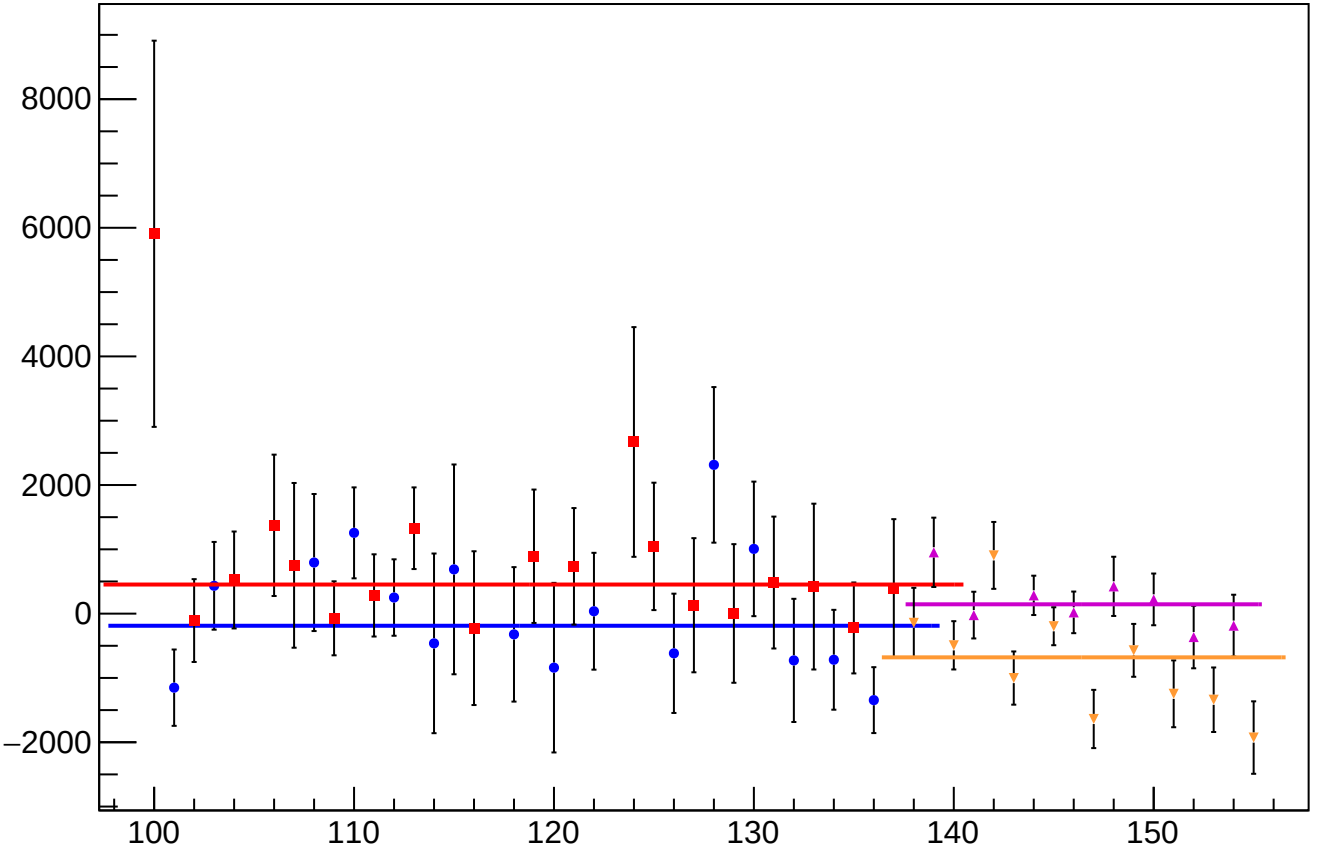
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.775+/-0.010 χ^2/NDF:721622.7/23

Out: 50.498+/-0.009 χ^2/NDF:780534.2/28

All: 50.631+/-0.007 χ^2/NDF: 1502579.5/52

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: -679.744+/-137.195 χ^2/NDF:26.2/9

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 145.121+/-140.421 χ^2/NDF:4.8/7

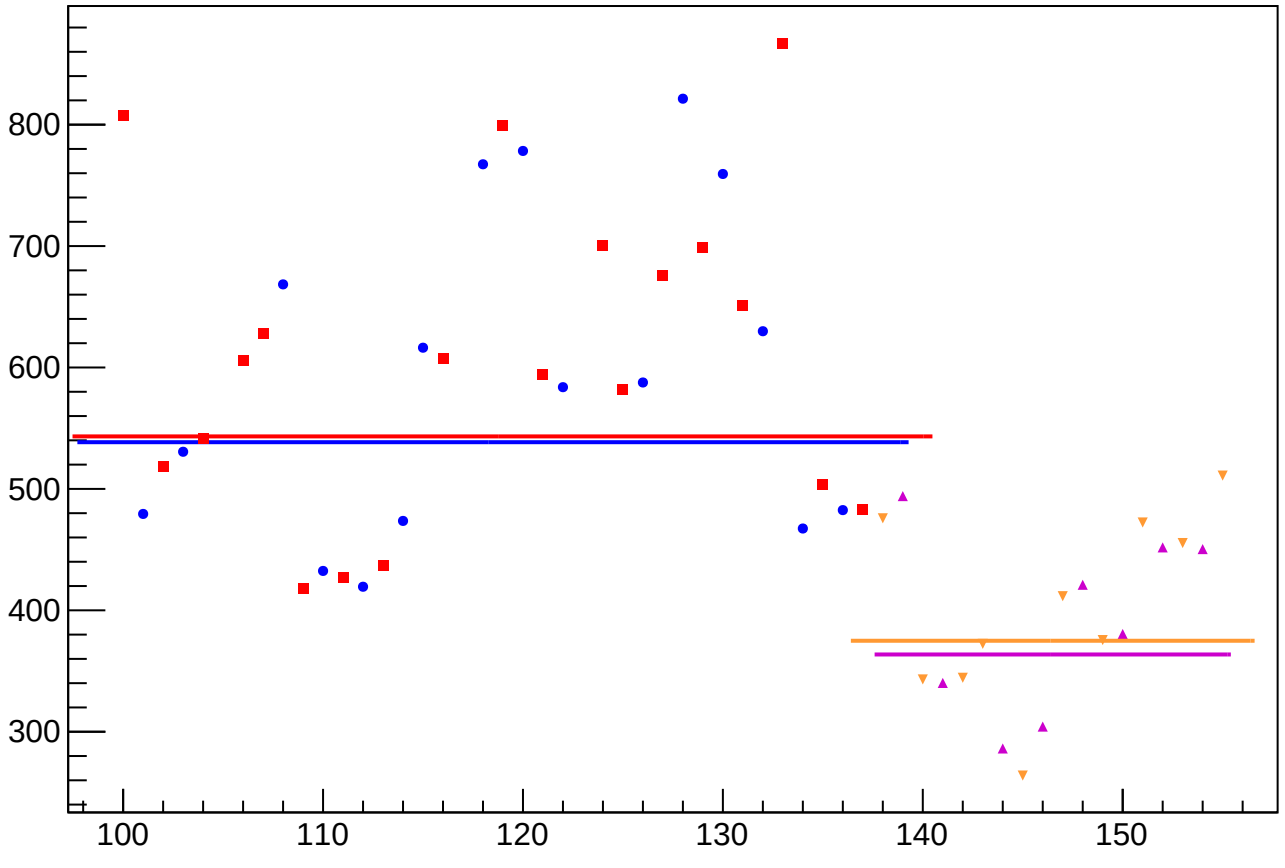
Left: -276.898+/-98.132 χ^2/NDF: 48.6/17

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 39.128+/-115.995 χ^2/NDF:27.9/23

Out: -326.920+/-113.830 χ^2/NDF:58.7/28

All: -147.344+/-81.245 χ^2/NDF: 91.7/52



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 374.932+/-0.097 χ^2/NDF:624913.5/9

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 363.634+/-0.099 χ^2/NDF:486431.1/7

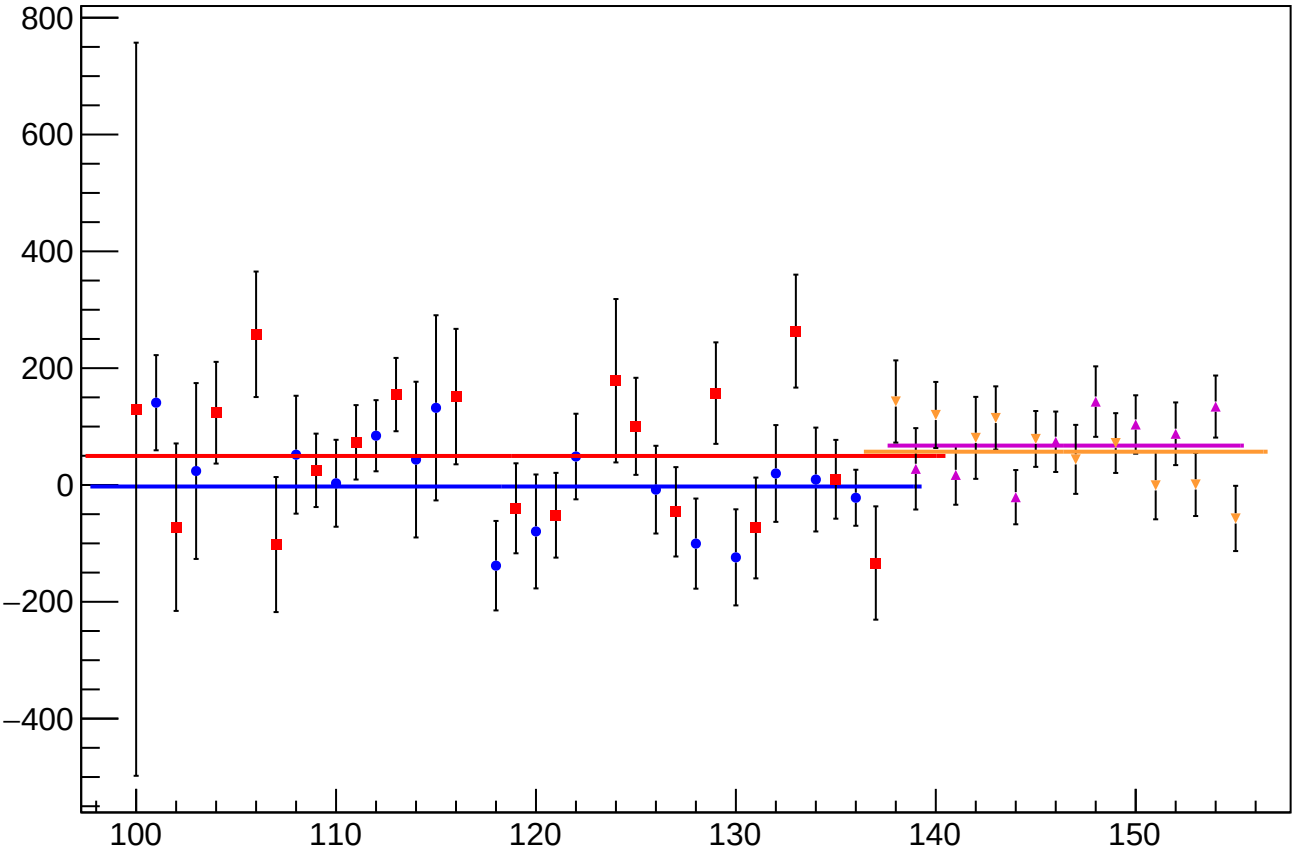
Left: 369.415+/-0.069 χ^2/NDF: 1117968.1/17

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

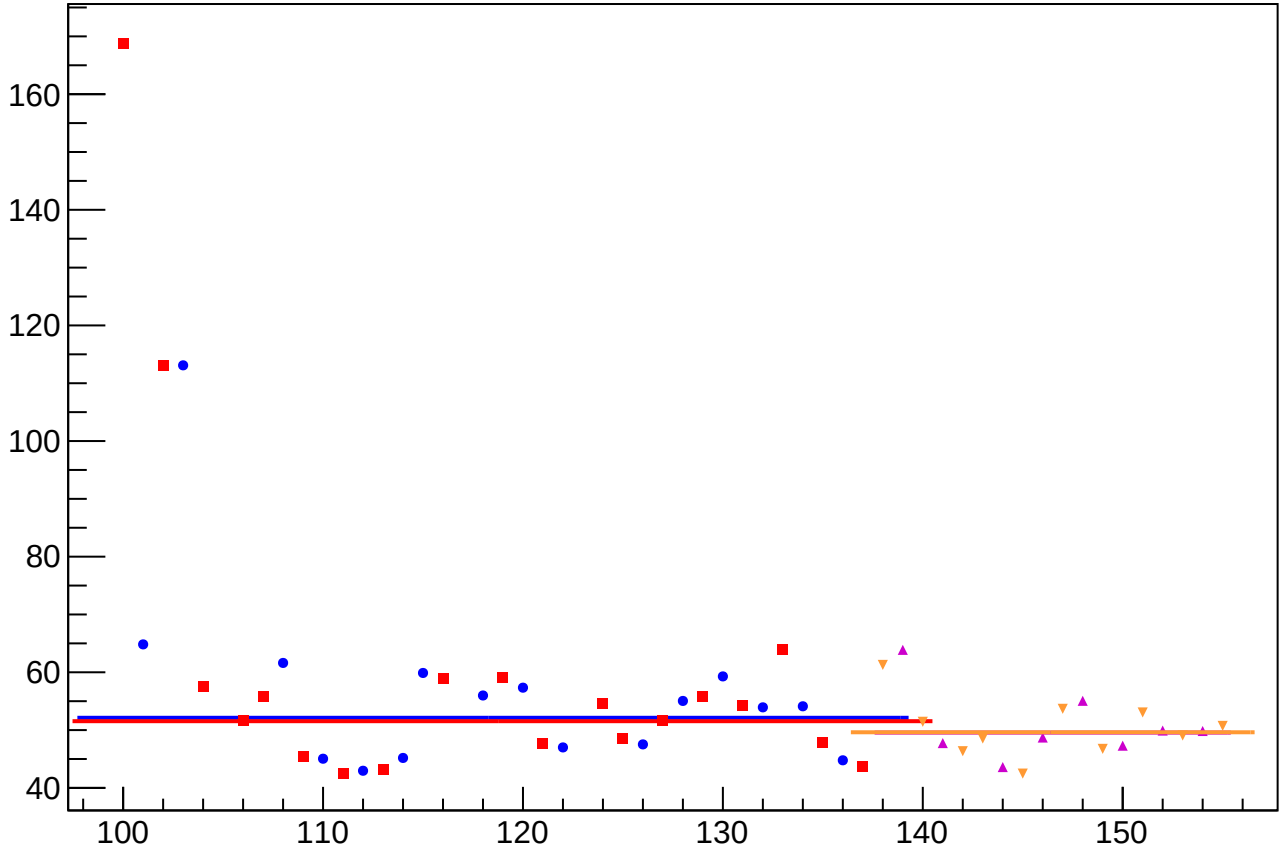
In: 419.169+/-0.082 χ^2/NDF:2085235.5/23

Out: 427.378+/-0.080 χ^2/NDF:2199970.9/28

All: 423.351+/-0.057 χ^2/NDF: 4290309.0/52


cor_asym_sam_1357_avg_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
110
120
130
140
150
Right In: -2.618+/-19.995 χ²/NDF: 14.6/15
Left Out: 56.982+/-17.894 χ²/NDF:10.6/9
Right Out: 49.694+/-19.622 χ²/NDF: 29.3/18
Left In: 67.429+/-18.889 χ²/NDF:8.7/7
Left: 61.923+/-12.991 χ²/NDF: 19.5/17
Right: 24.030+/-14.005 χ²/NDF: 47.4/34
In: 34.395+/-13.731 χ²/NDF:29.8/23
Out: 53.673+/-13.222 χ²/NDF:39.9/28
All: 44.398+/-9.524 χ²/NDF: 70.7/52

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.622+/-0.013 χ^2/NDF:130433.0/9

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.566+/-0.013 χ^2/NDF:141352.8/7

Left: 49.596+/-0.009 χ^2/NDF: 271795.1/17

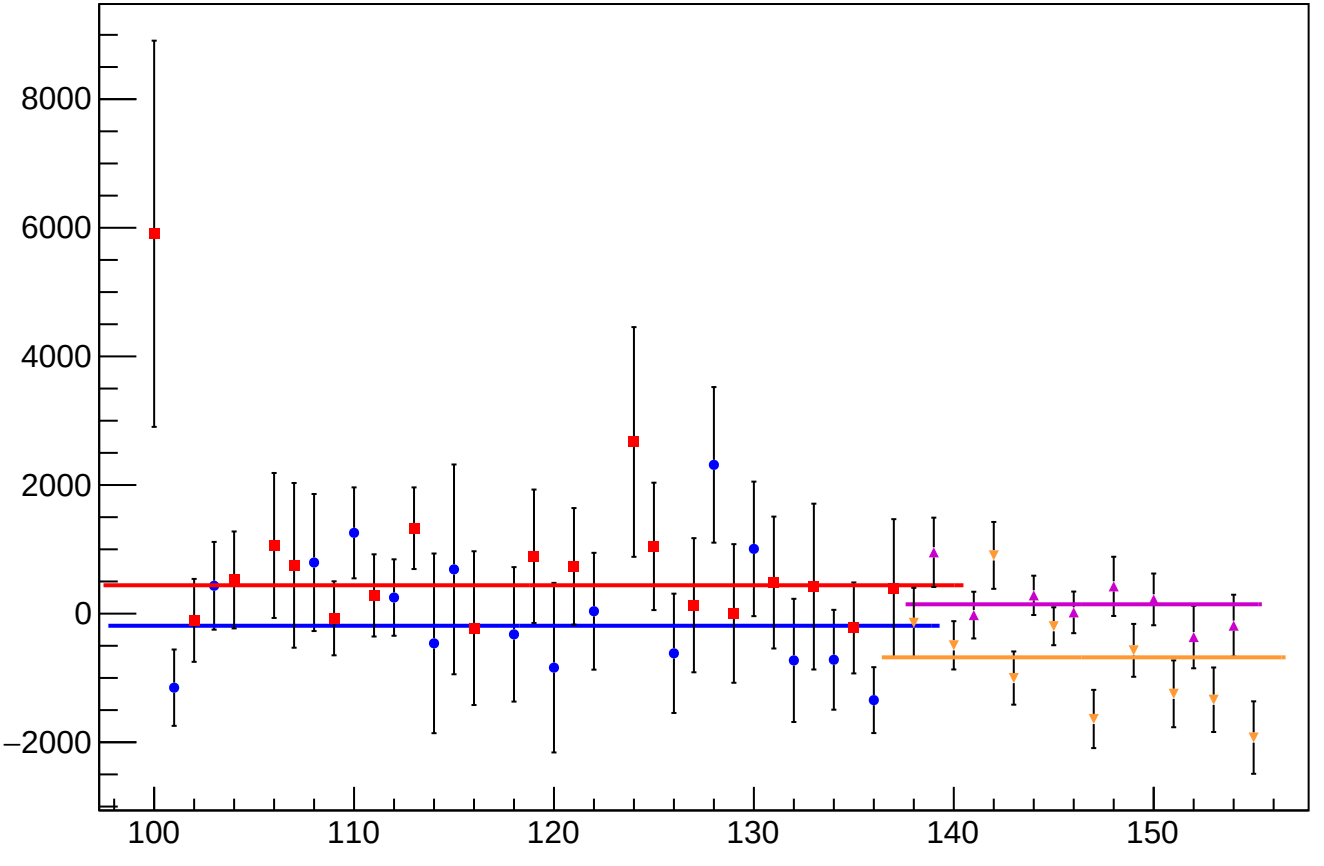
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.775+/-0.010 χ^2/NDF:721625.0/23

Out: 50.493+/-0.009 χ^2/NDF:780641.4/28

All: 50.628+/-0.007 χ^2/NDF: 1502703.4/52

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: -679.740+/-137.195 χ^2/NDF:26.2/9

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 145.123+/-140.421 χ^2/NDF:4.8/7

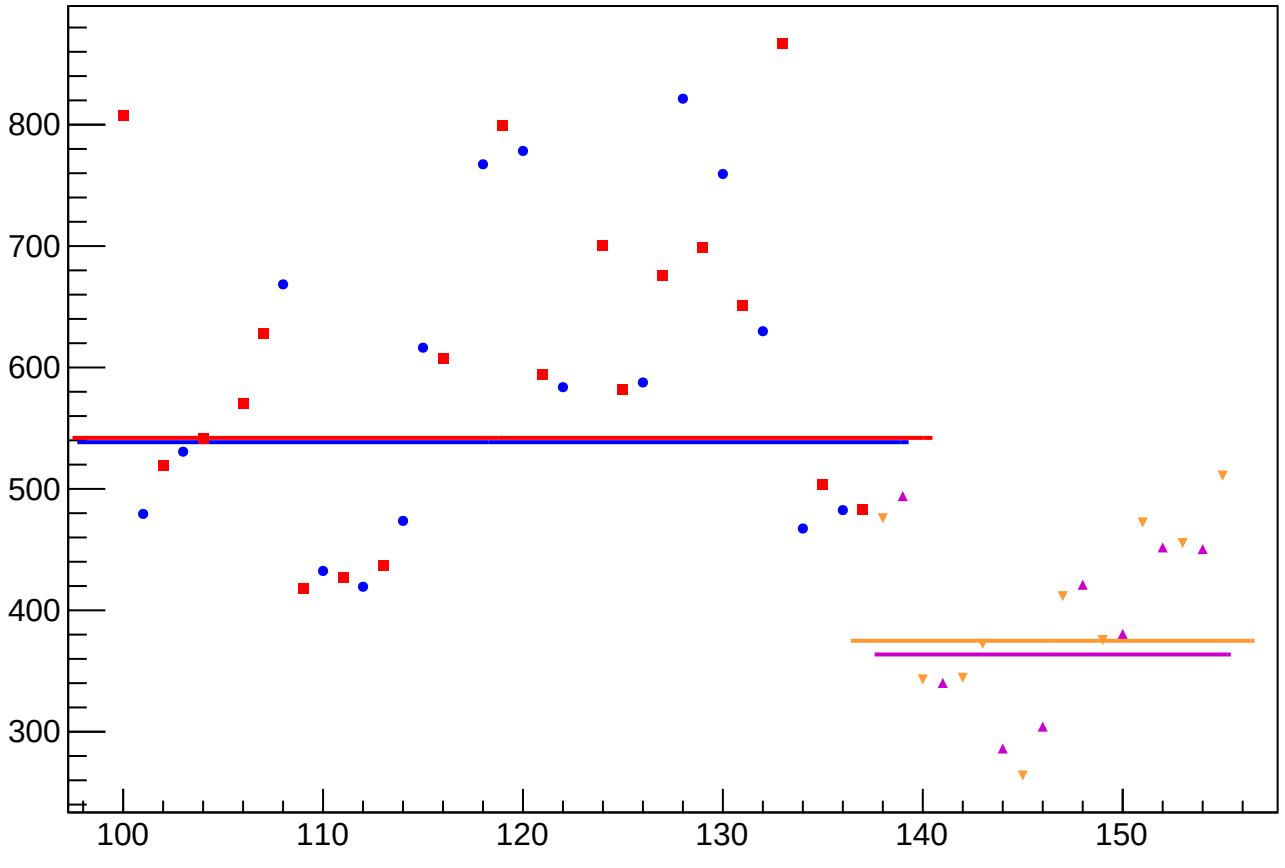
Left: -276.894+/-98.132 χ^2/NDF: 48.6/17

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 39.138+/-115.995 χ^2/NDF:27.9/23

Out: -330.914+/-113.863 χ^2/NDF:57.8/28

All: -149.320+/-81.257 χ^2/NDF: 91.0/52



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 374.932+/-0.097 χ^2/NDF:624916.5/9

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 363.634+/-0.099 χ^2/NDF:486430.7/7

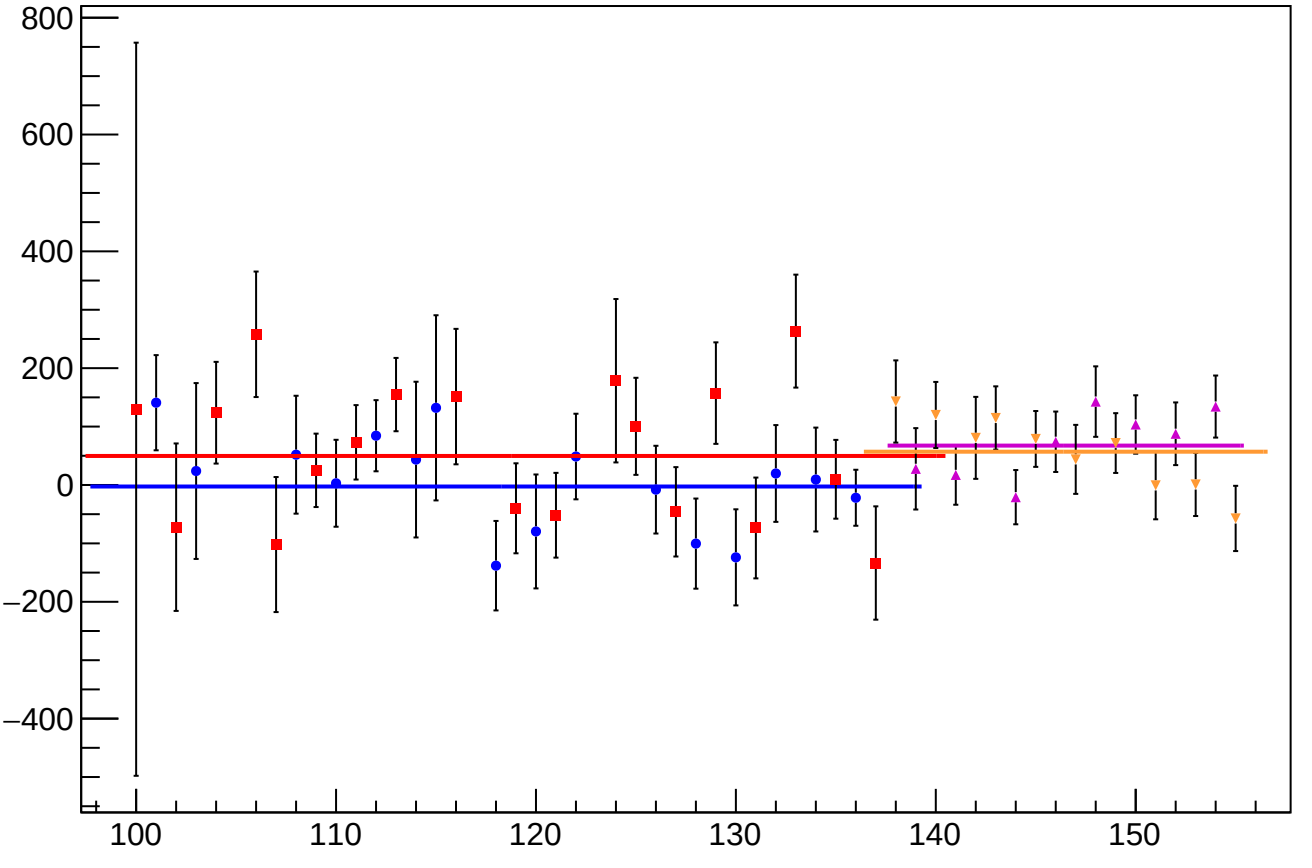
Left: 369.414+/-0.069 χ^2/NDF: 1117970.5/17

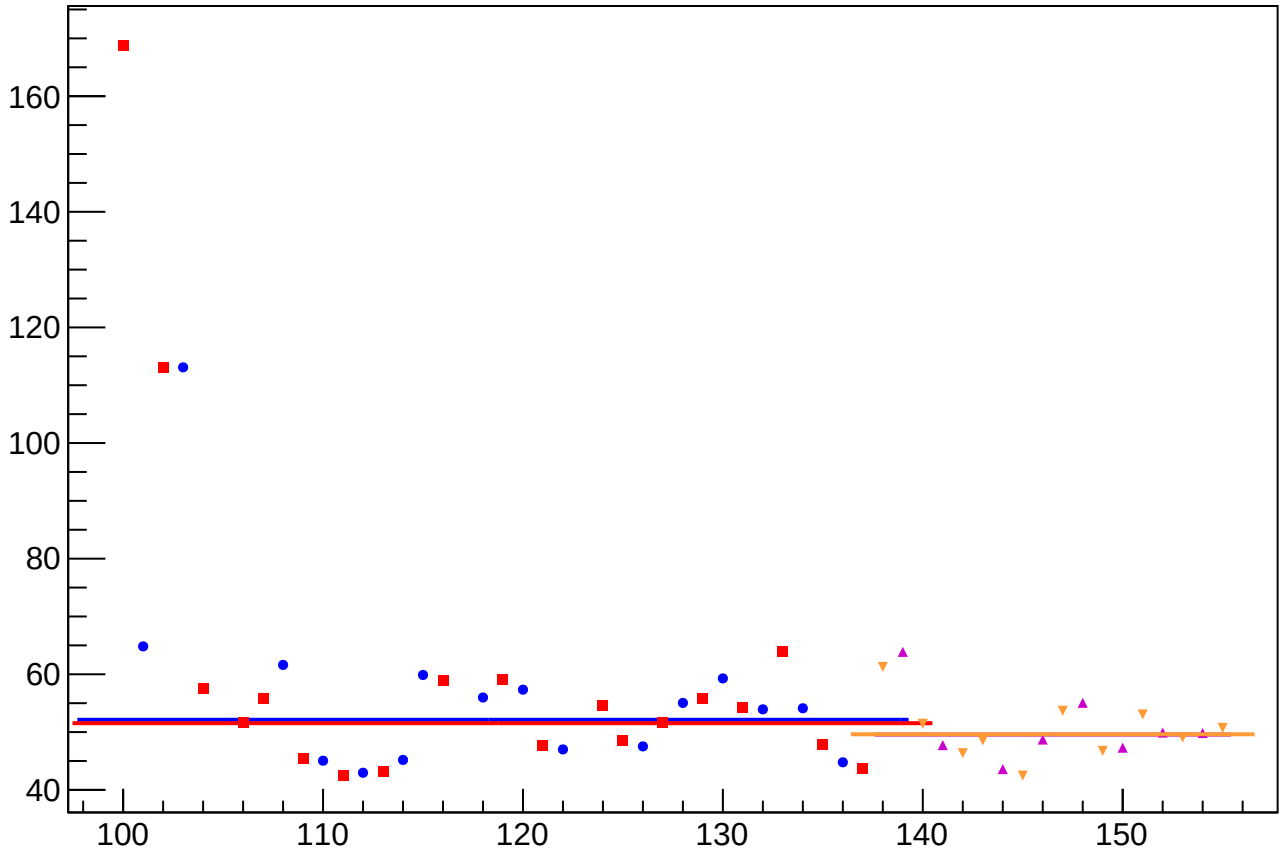
Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 419.170+/-0.082 χ^2/NDF:2085277.5/23

Out: 426.931+/-0.081 χ^2/NDF:2179708.2/28

All: 423.123+/-0.057 χ^2/NDF: 4269545.2/52


eigen_cor_asym_sam_1357_avg_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
110
120
130
140
150
Right In: -2.618+/-19.995 χ²/NDF: 14.6/15
Left Out: 56.982+/-17.894 χ²/NDF:10.6/9
Right Out: 49.694+/-19.622 χ²/NDF: 29.3/18
Left In: 67.429+/-18.889 χ²/NDF:8.7/7
Left: 61.923+/-12.991 χ²/NDF: 19.5/17
Right: 24.030+/-14.005 χ²/NDF: 47.4/34
In: 34.395+/-13.731 χ²/NDF:29.8/23
Out: 53.673+/-13.222 χ²/NDF:39.9/28
All: 44.398+/-9.524 χ²/NDF: 70.7/52



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.622+/-0.013 χ^2/NDF:130433.0/9

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.566+/-0.013 χ^2/NDF:141352.8/7

Left: 49.596+/-0.009 χ^2/NDF: 271795.1/17

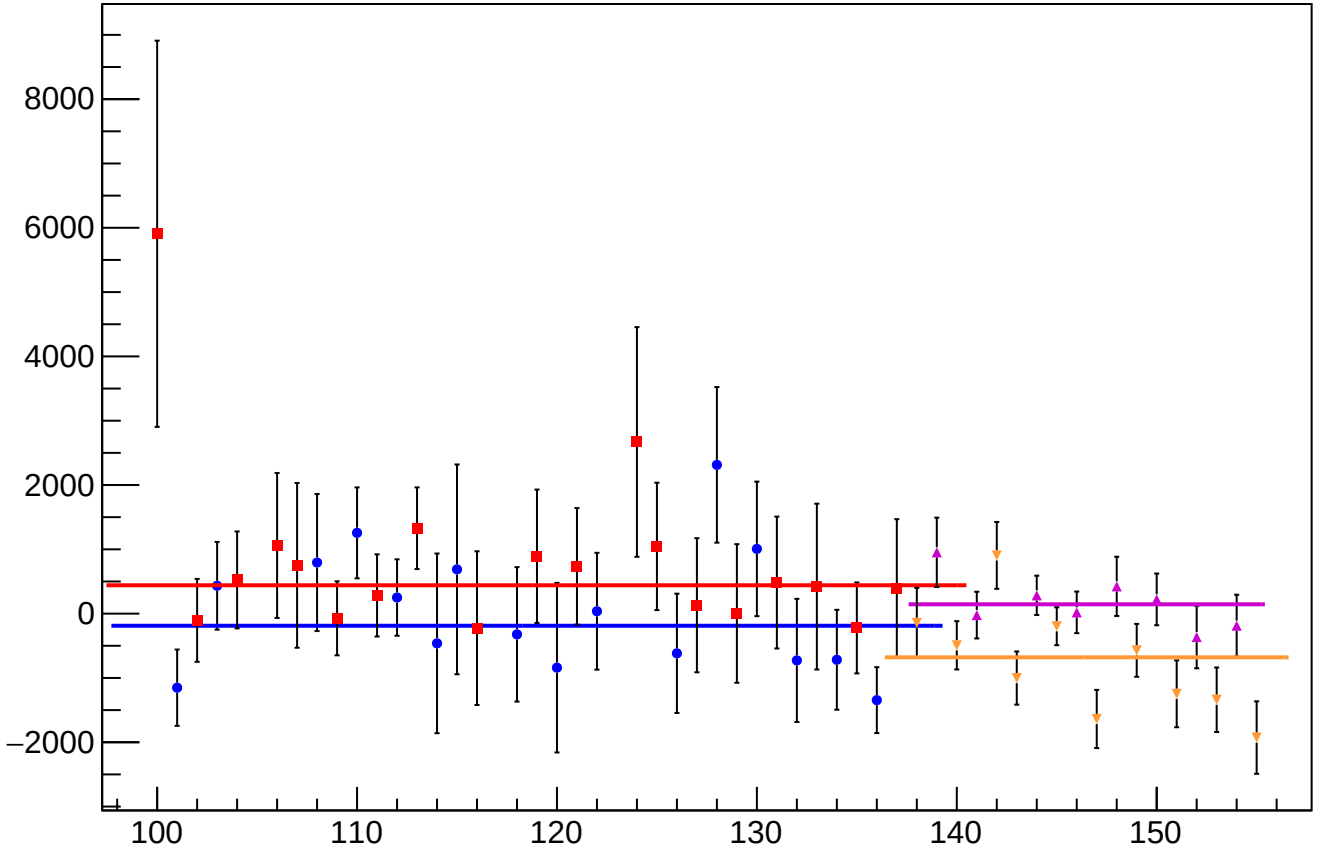
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.775+/-0.010 χ^2/NDF:721625.0/23

Out: 50.493+/-0.009 χ^2/NDF:780641.4/28

All: 50.628+/-0.007 χ^2/NDF: 1502703.4/52

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: -679.740+/-137.195 χ^2/NDF:26.2/9

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 145.123+/-140.421 χ^2/NDF:4.8/7

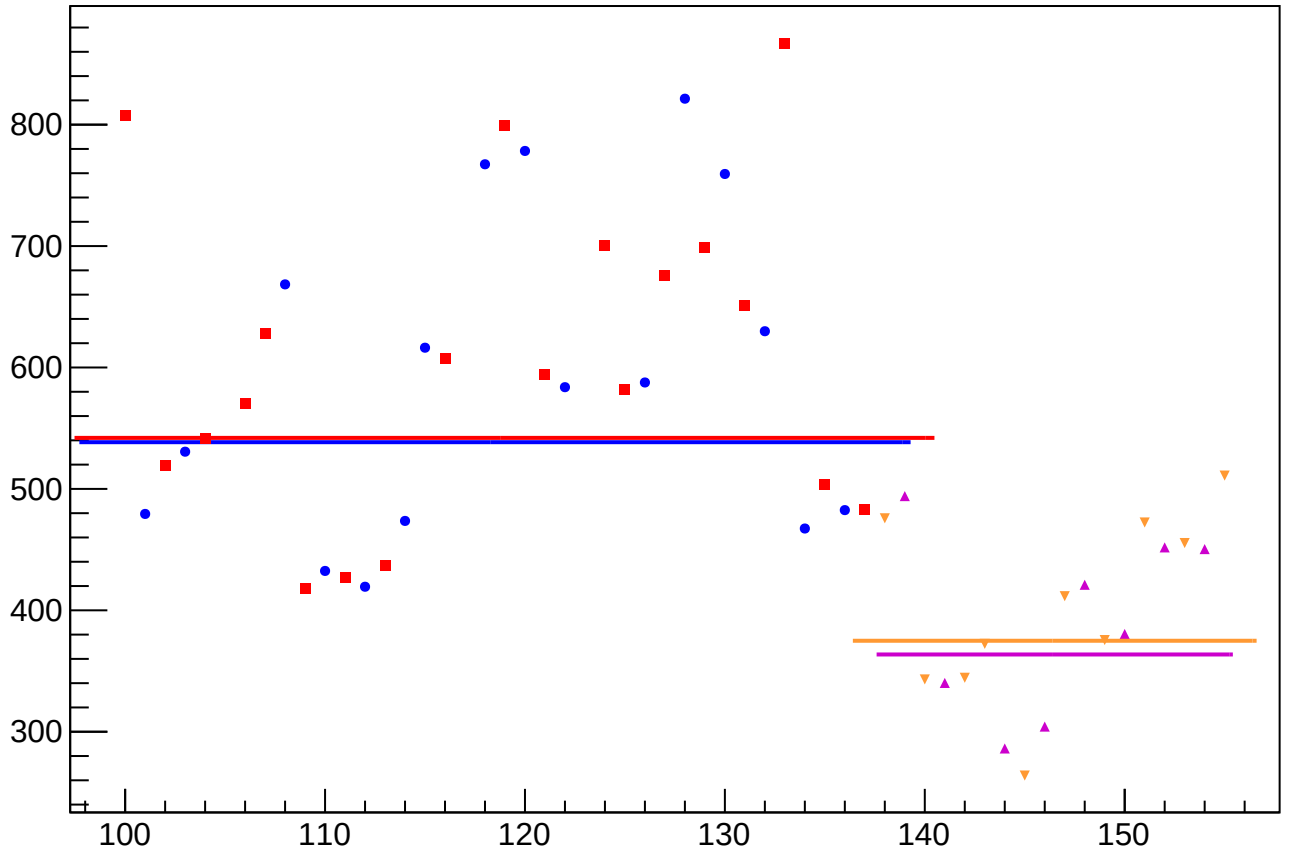
Left: -276.894+/-98.132 χ^2/NDF: 48.6/17

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 39.138+/-115.995 χ^2/NDF:27.9/23

Out: -330.914+/-113.863 χ^2/NDF:57.8/28

All: -149.320+/-81.257 χ^2/NDF: 91.0/52



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 374.932+/-0.097 χ^2/NDF:624916.5/9

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 363.634+/-0.099 χ^2/NDF:486430.7/7

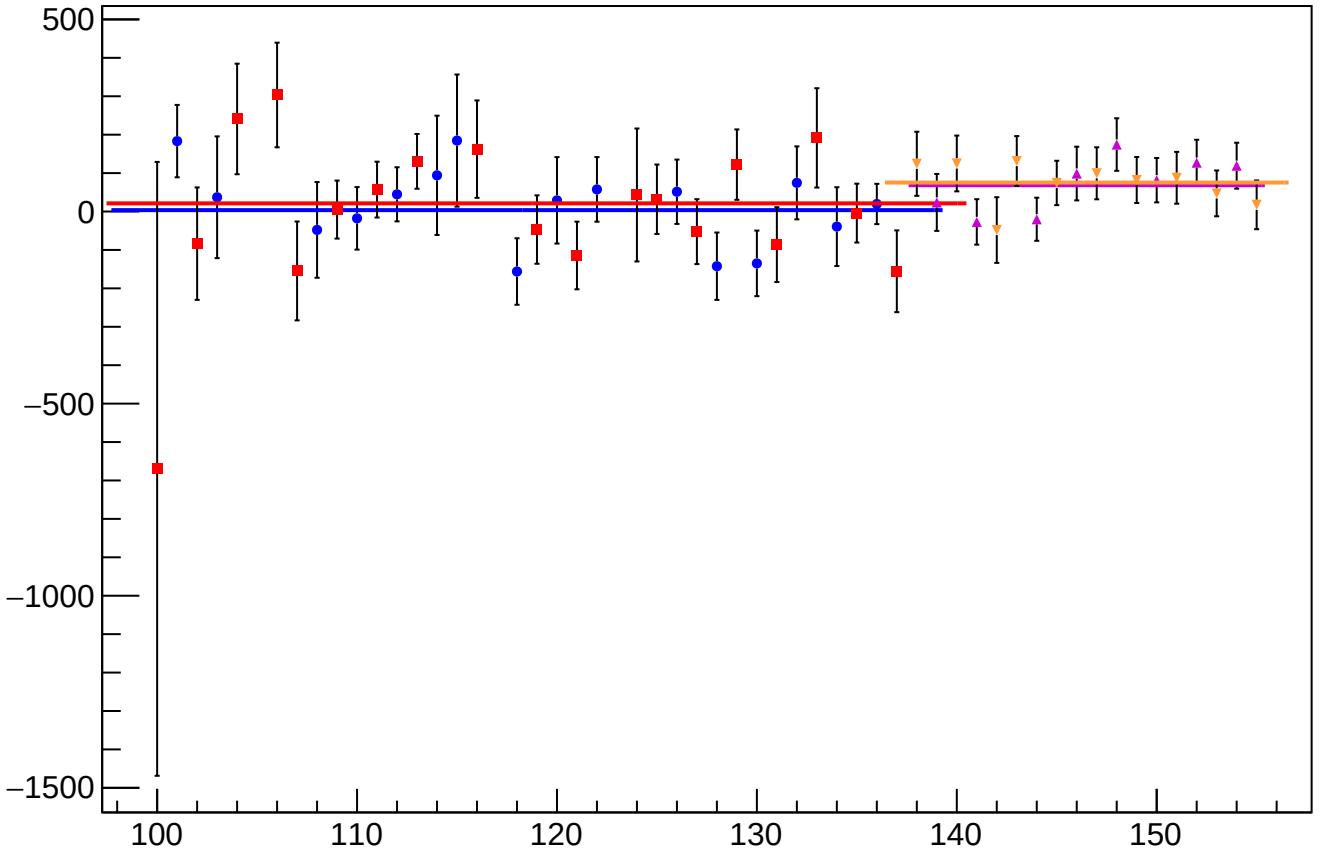
Left: 369.414+/-0.069 χ^2/NDF: 1117970.5/17

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 419.170+/-0.082 χ^2/NDF:2085277.5/23

Out: 426.931+/-0.081 χ^2/NDF:2179708.2/28

All: 423.123+/-0.057 χ^2/NDF: 4269545.2/52



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 75.417+/-21.064 χ^2/NDF:4.9/9

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 68.464+/-22.003 χ^2/NDF:9.8/7

Left: 72.092+/-15.216 χ^2/NDF: 14.7/17

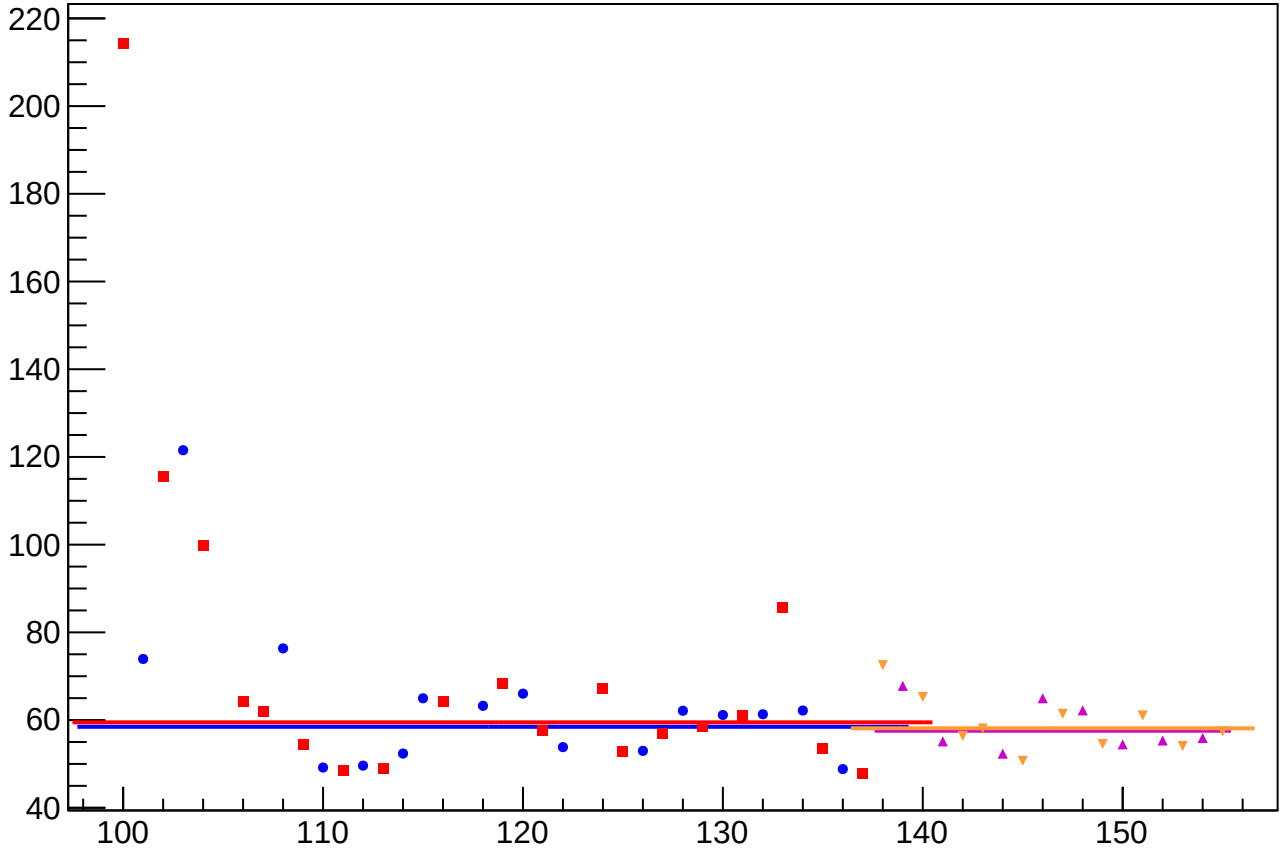
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 36.725+/-15.725 χ^2/NDF:30.2/23

Out: 50.439+/-15.462 χ^2/NDF:32.3/28

All: 43.698+/-11.025 χ^2/NDF: 62.9/52

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 58.126+/-0.015 χ^2/NDF:137874.0/9

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 57.578+/-0.016 χ^2/NDF:100643.1/7

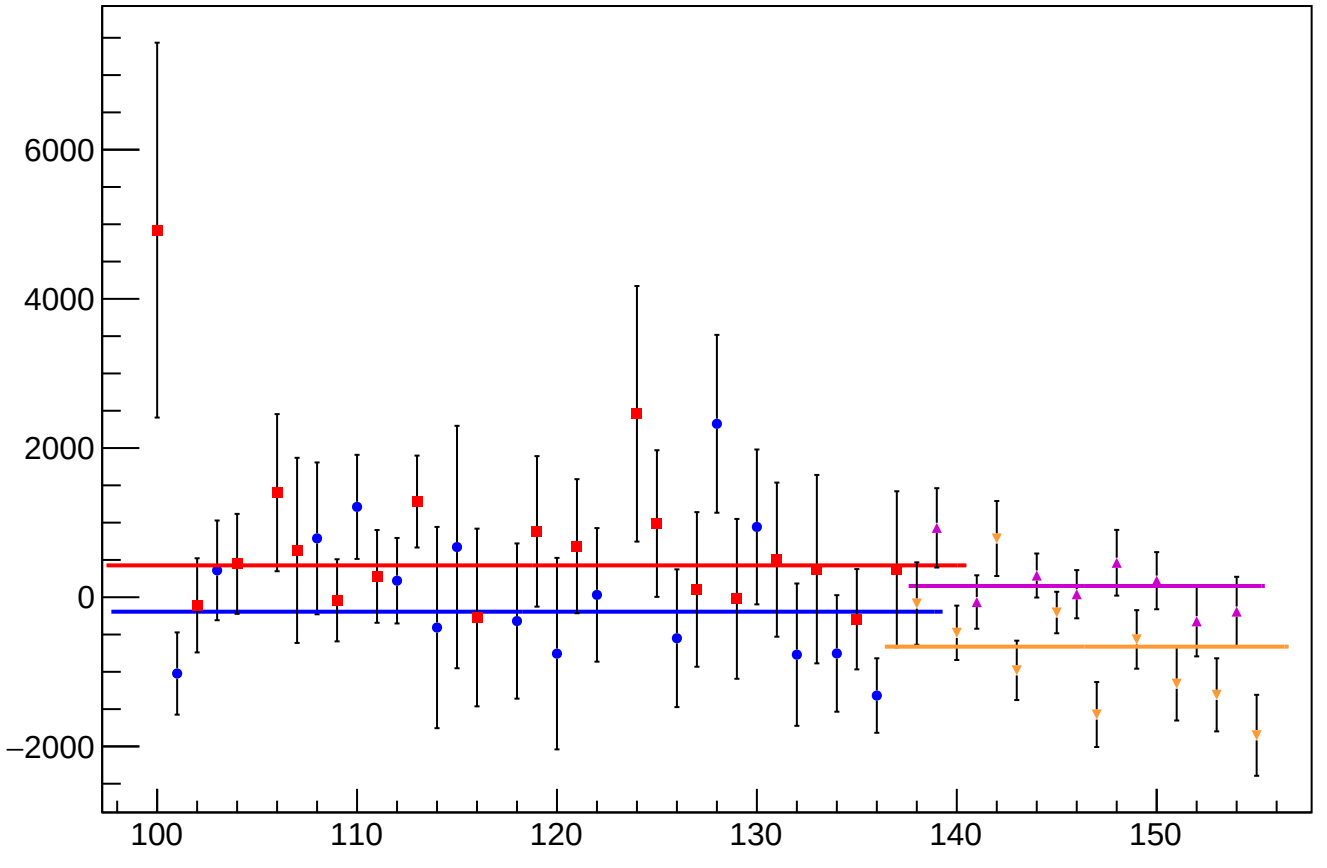
Left: 57.864+/-0.011 χ^2/NDF: 239165.5/17

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 58.012+/-0.011 χ^2/NDF:685220.1/23

Out: 58.752+/-0.011 χ^2/NDF:926587.4/28

All: 58.388+/-0.008 χ^2/NDF: 1614061.3/52



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -662.426+/-131.926 χ^2/NDF:25.0/9

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 150.903+/-136.730 χ^2/NDF:4.9/7

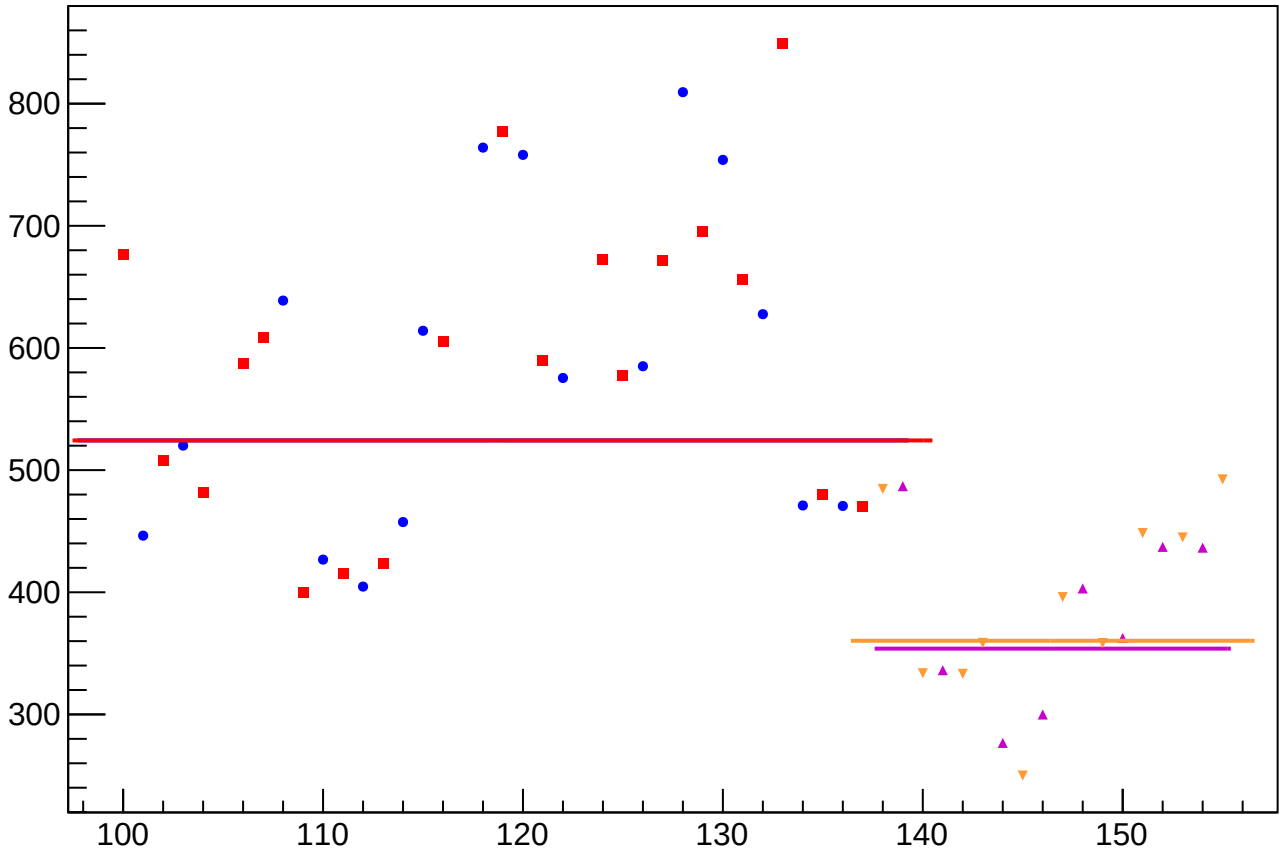
Left: -270.299+/-94.939 χ^2/NDF: 48.2/17

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 41.530+/-112.982 χ^2/NDF:27.7/23

Out: -325.143+/-109.618 χ^2/NDF:57.4/28

All: -147.347+/-78.674 χ^2/NDF: 90.6/52



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 360.304+/-0.093 χ^2/NDF:688105.7/9

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 353.855+/-0.097 χ^2/NDF:474214.1/7

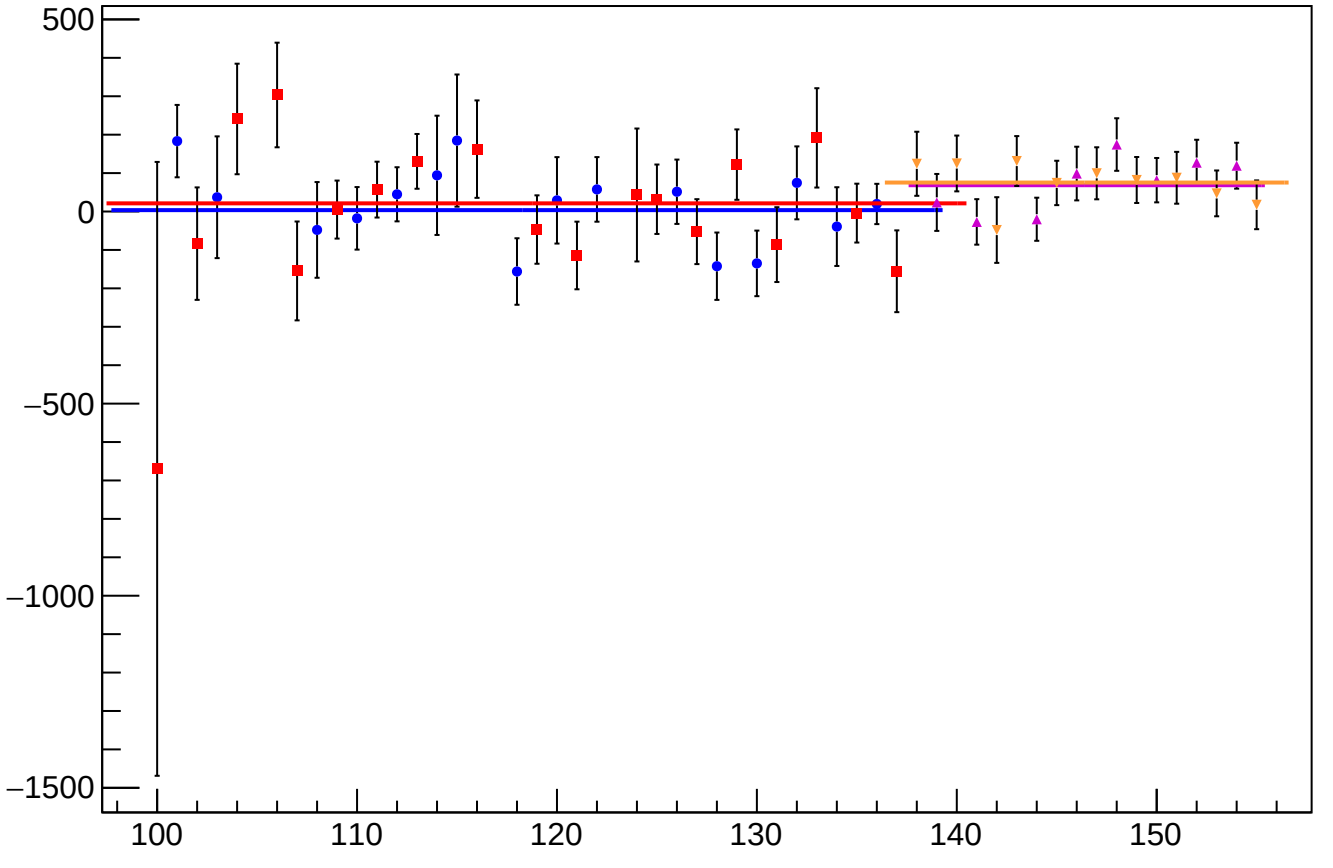
Left: 357.195+/-0.067 χ^2/NDF: 1164624.3/17

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 407.929+/-0.080 χ^2/NDF:2118862.6/23

Out: 411.080+/-0.078 χ^2/NDF:2331083.6/28

All: 409.552+/-0.056 χ^2/NDF: 4450747.4/52



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 75.418+/-21.064 χ^2/NDF:4.9/9

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 68.464+/-22.003 χ^2/NDF:9.8/7

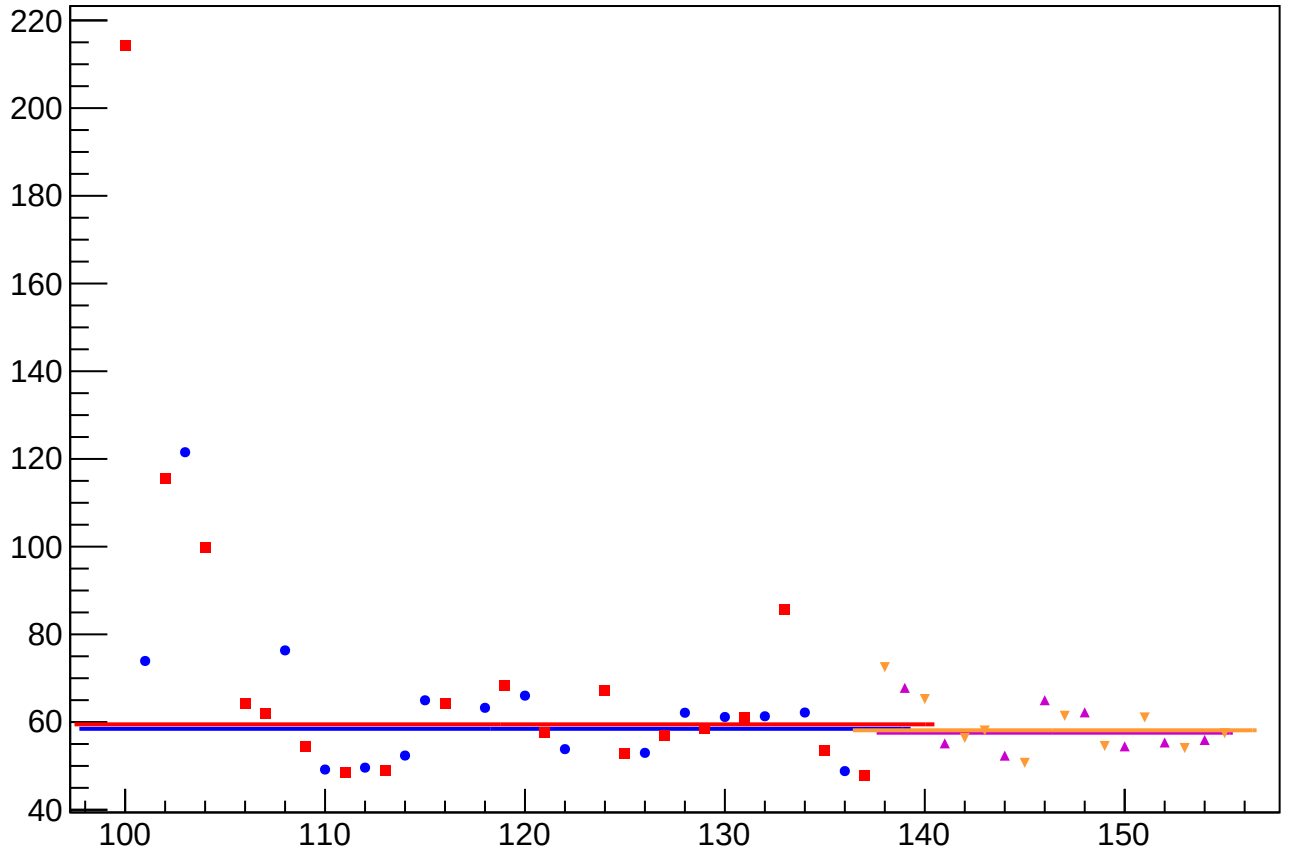
Left: 72.093+/-15.216 χ^2/NDF: 14.7/17

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 36.725+/-15.725 χ^2/NDF:30.2/23

Out: 50.438+/-15.462 χ^2/NDF:32.3/28

All: 43.697+/-11.025 χ^2/NDF: 62.9/52



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 58.126+/-0.015 χ^2/NDF:137874.1/9

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 57.578+/-0.016 χ^2/NDF:100641.2/7

Left: 57.864+/-0.011 χ^2/NDF: 239163.7/17

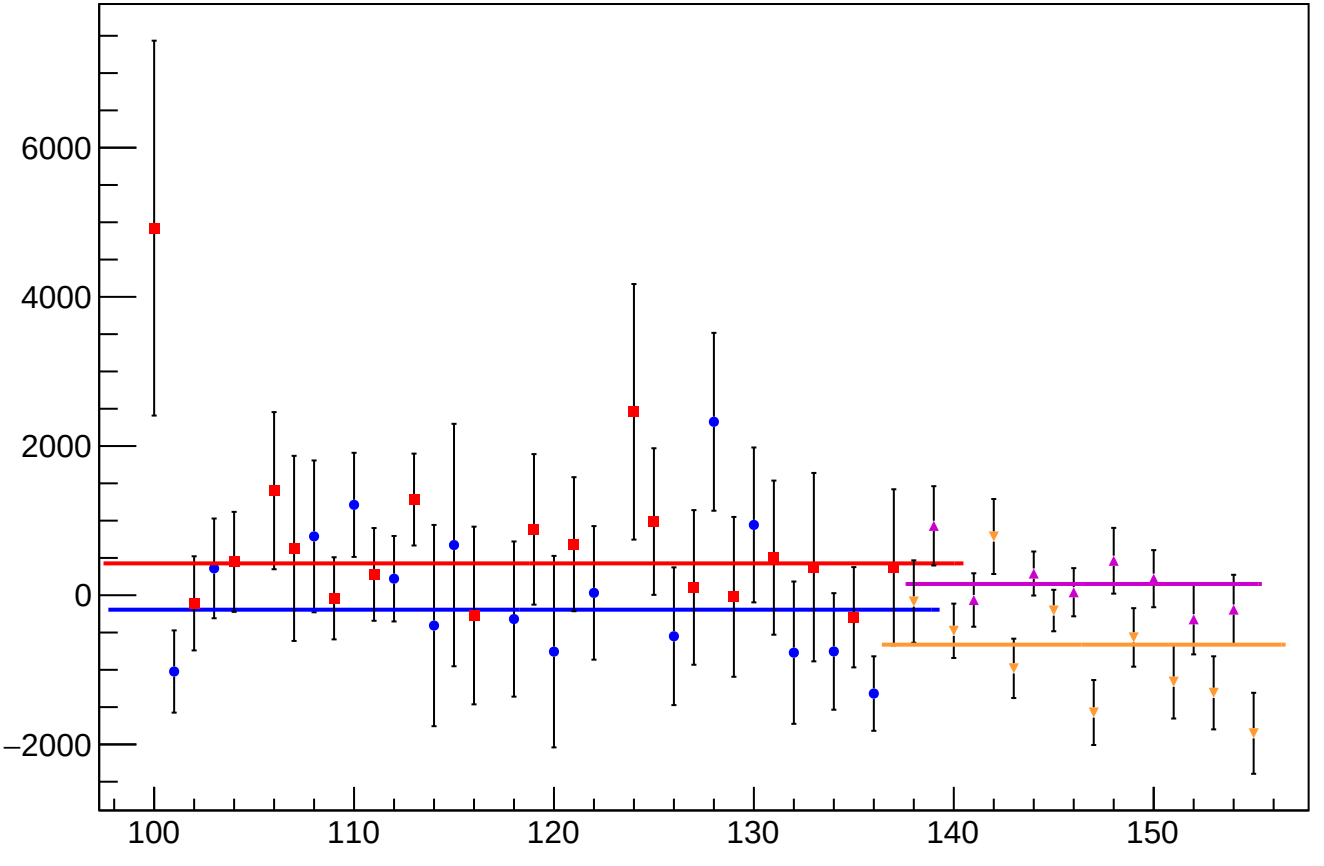
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 58.012+/-0.011 χ^2/NDF:685214.1/23

Out: 58.753+/-0.011 χ^2/NDF:926586.7/28

All: 58.389+/-0.008 χ^2/NDF: 1614054.7/52

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: -662.426+/-131.926 χ^2/NDF:25.0/9

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 150.903+/-136.730 χ^2/NDF:4.9/7

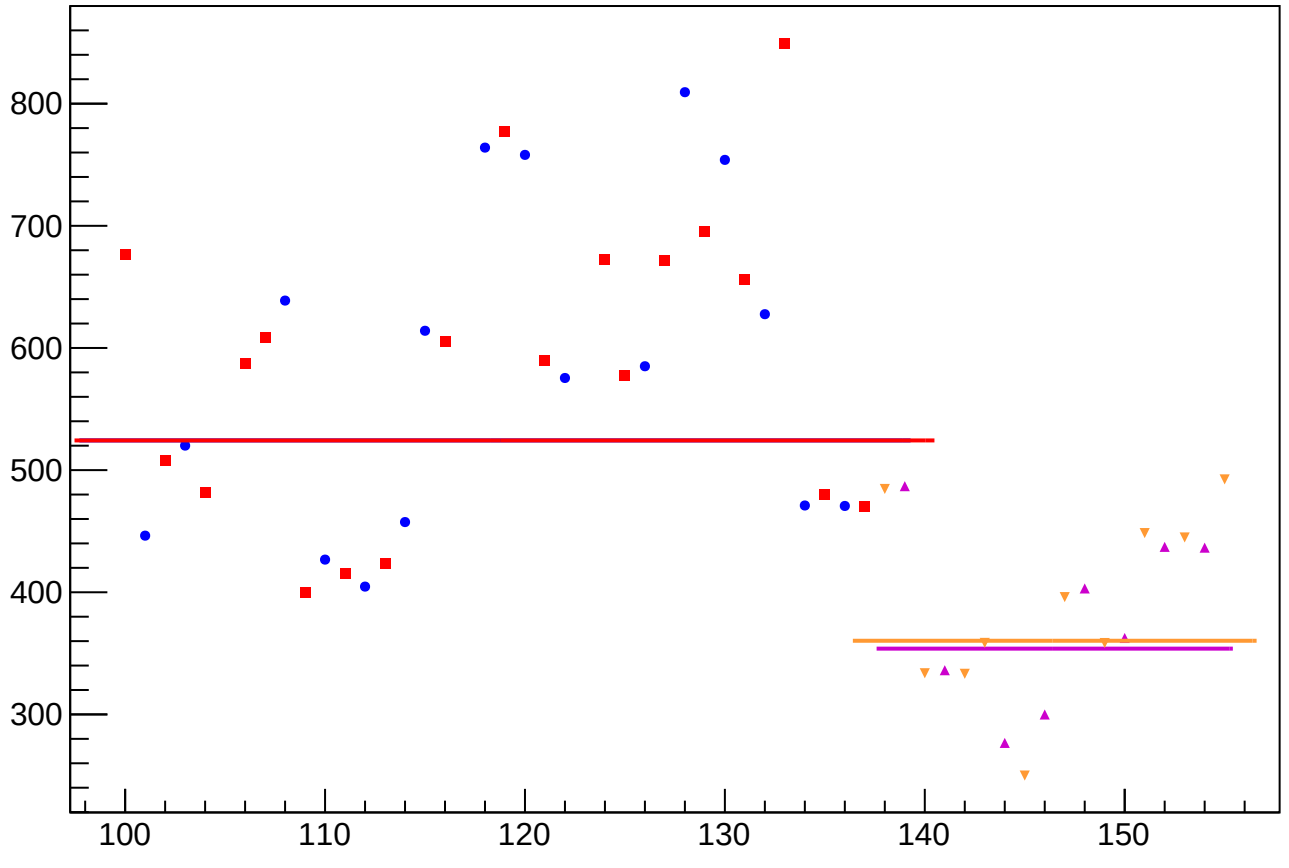
Left: -270.300+/-94.939 χ^2/NDF: 48.2/17

Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 41.530+/-112.982 χ^2/NDF:27.7/23

Out: -325.143+/-109.617 χ^2/NDF:57.4/28

All: -147.347+/-78.674 χ^2/NDF: 90.6/52



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 360.304+/-0.093 χ^2/NDF:688104.1/9

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 353.855+/-0.097 χ^2/NDF:474212.8/7

Left: 357.195+/-0.067 χ^2/NDF: 1164621.2/17

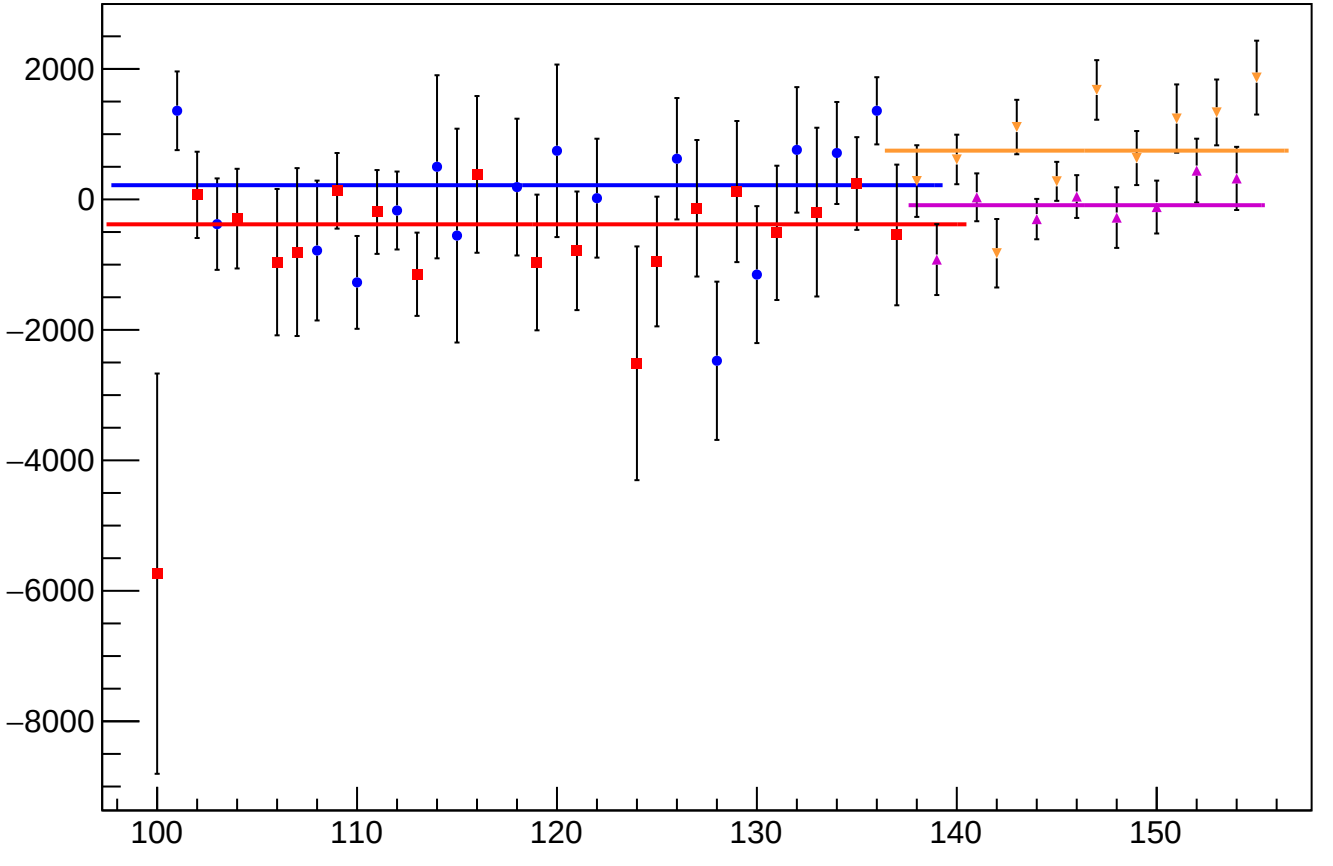
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 407.929+/-0.080 χ^2/NDF:2118858.1/23

Out: 411.079+/-0.078 χ^2/NDF:2331076.8/28

All: 409.552+/-0.056 χ^2/NDF: 4450736.1/52

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 747.532+/-138.486 χ^2/NDF:23.4/9

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -88.817+/-141.811 χ^2/NDF:5.2/7

Left: 339.278+/-99.079 χ^2/NDF: 46.4/17

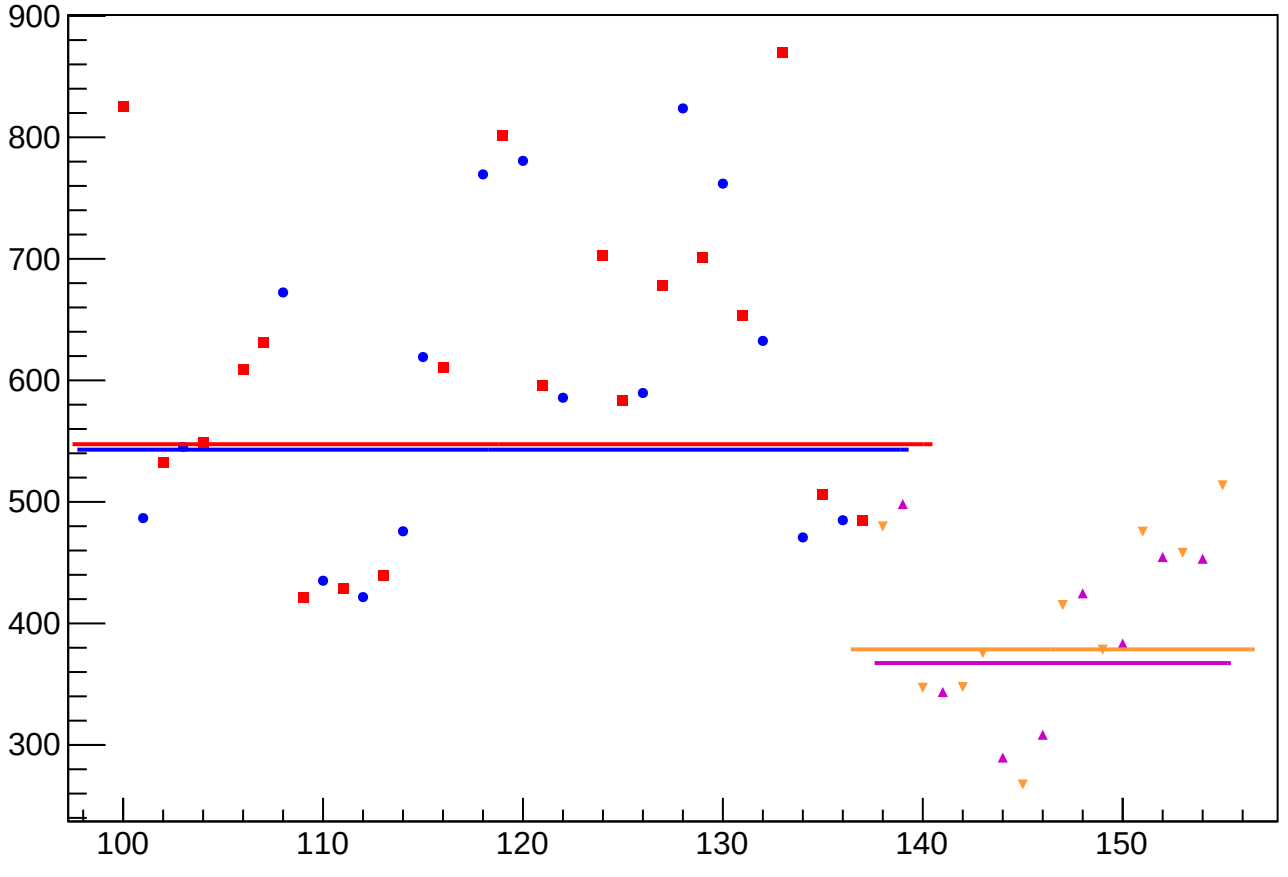
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 8.792+/-117.079 χ^2/NDF:29.5/23

Out: 395.023+/-114.857 χ^2/NDF:54.2/28

All: 205.607+/-81.991 χ^2/NDF: 89.3/52

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 378.644+/-0.098 χ^2/NDF:610193.9/9

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 367.405+/-0.100 χ^2/NDF:475357.5/7

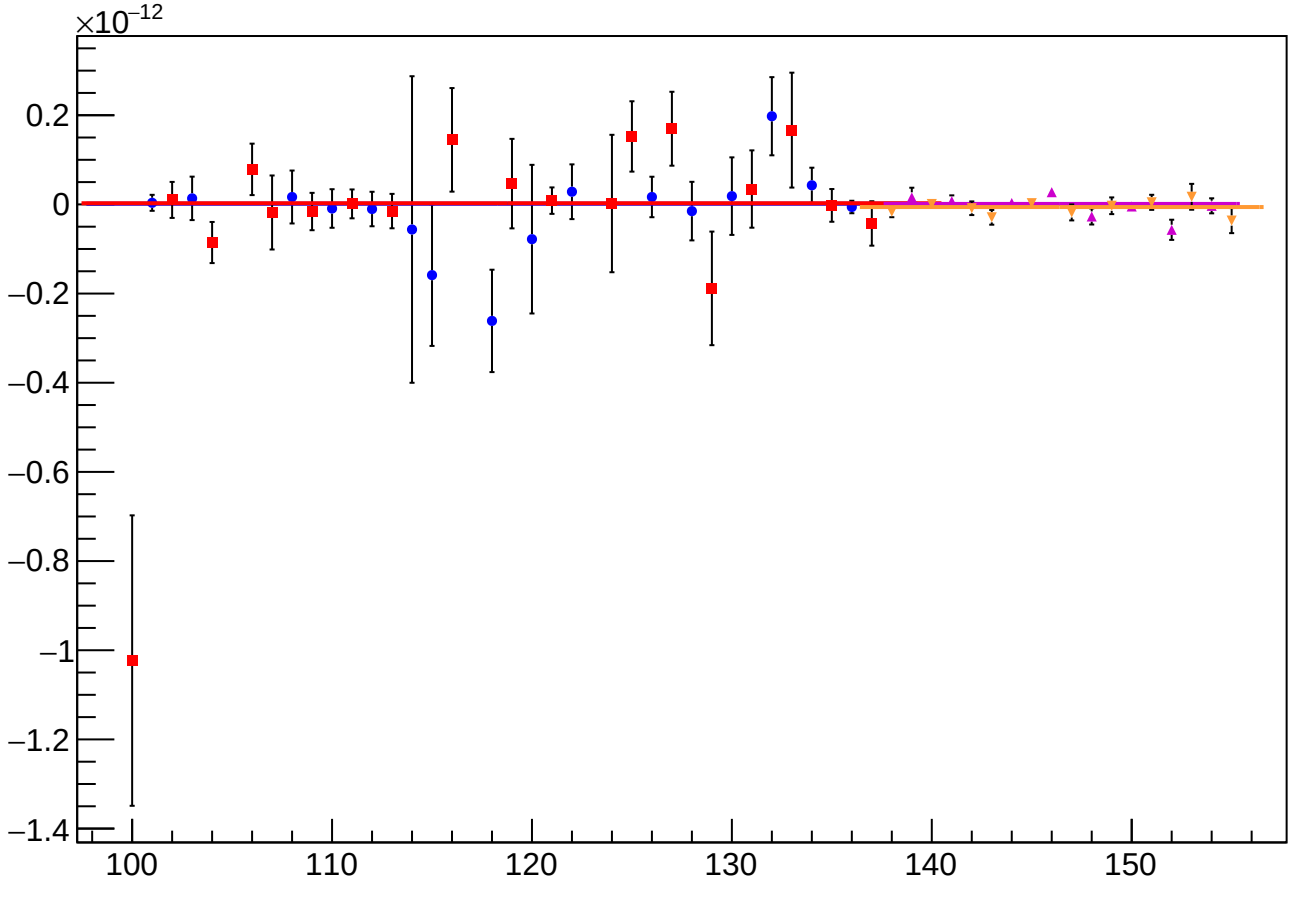
Left: 373.158+/-0.070 χ^2/NDF: 1091981.8/17

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 423.311+/-0.083 χ^2/NDF:2056897.3/23

Out: 431.338+/-0.081 χ^2/NDF:2168172.6/28

All: 427.401+/-0.058 χ^2/NDF: 4229859.9/52



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

Left Out: -0.000+/-0.000 χ^2/NDF:6.6/9

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/7

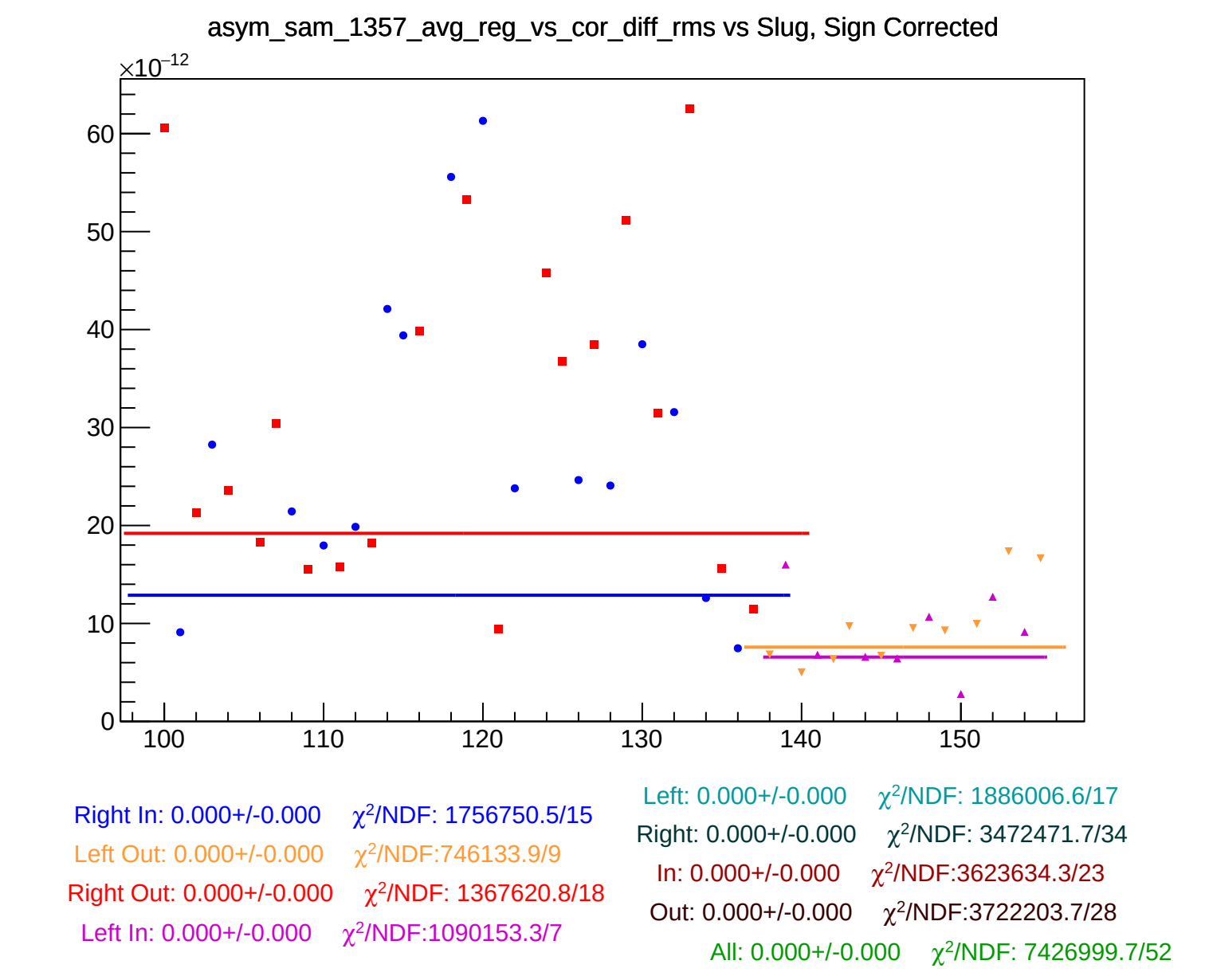
Left: -0.000+/-0.000 χ^2/NDF: 23.6/17

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

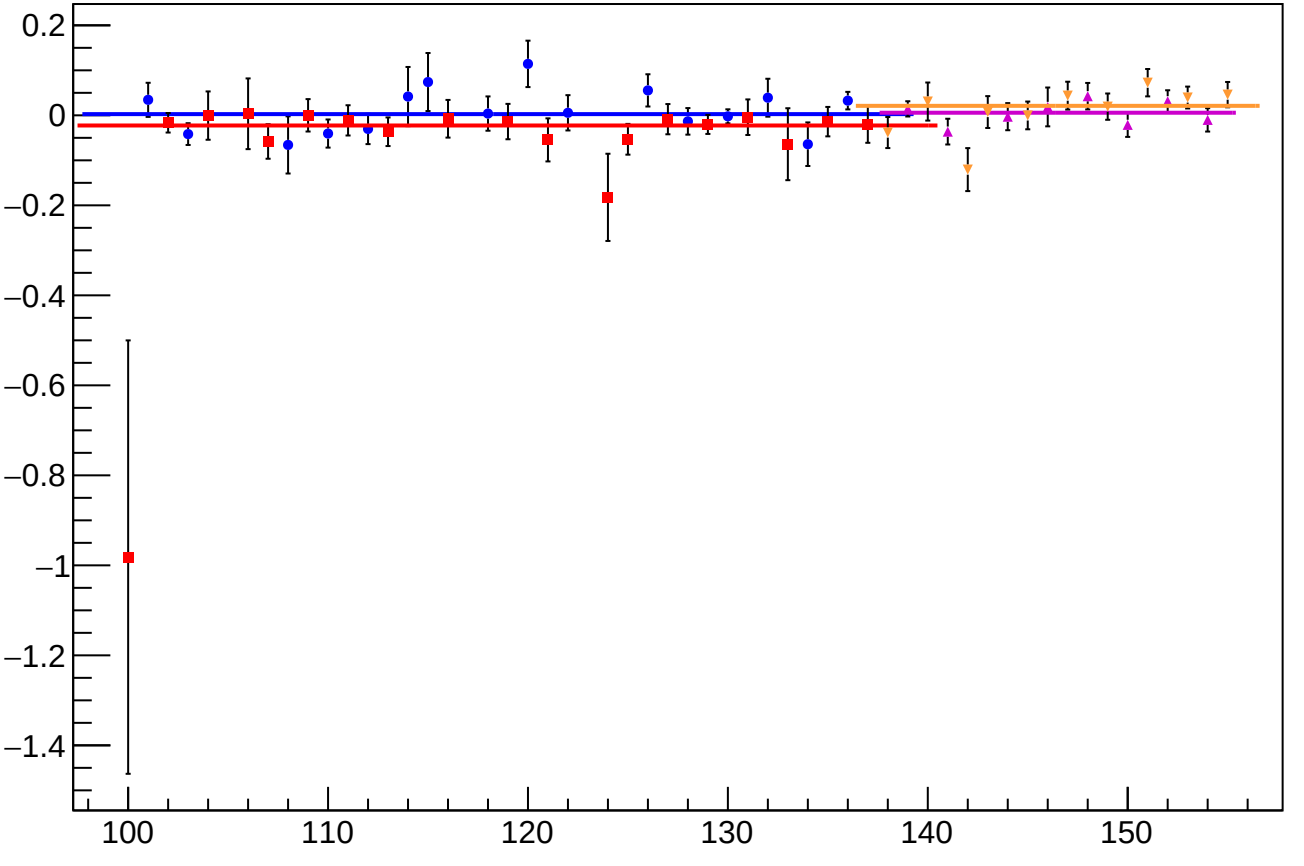
In: 0.000+/-0.000 χ^2/NDF:29.4/23

Out: -0.000+/-0.000 χ^2/NDF:37.1/28

All: -0.000+/-0.000 χ^2/NDF: 67.6/52


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:746133.9/9
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1090153.3/7
Left: 0.000+/-0.000 χ²/NDF: 1886006.6/17
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:3623634.3/23
Out: 0.000+/-0.000 χ²/NDF:3722203.7/28
All: 0.000+/-0.000 χ²/NDF: 7426999.7/52

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: 0.021+/-0.010 χ^2/NDF:17.2/9

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.009 χ^2/NDF:6.6/7

Left: 0.013+/-0.007 χ^2/NDF: 25.1/17

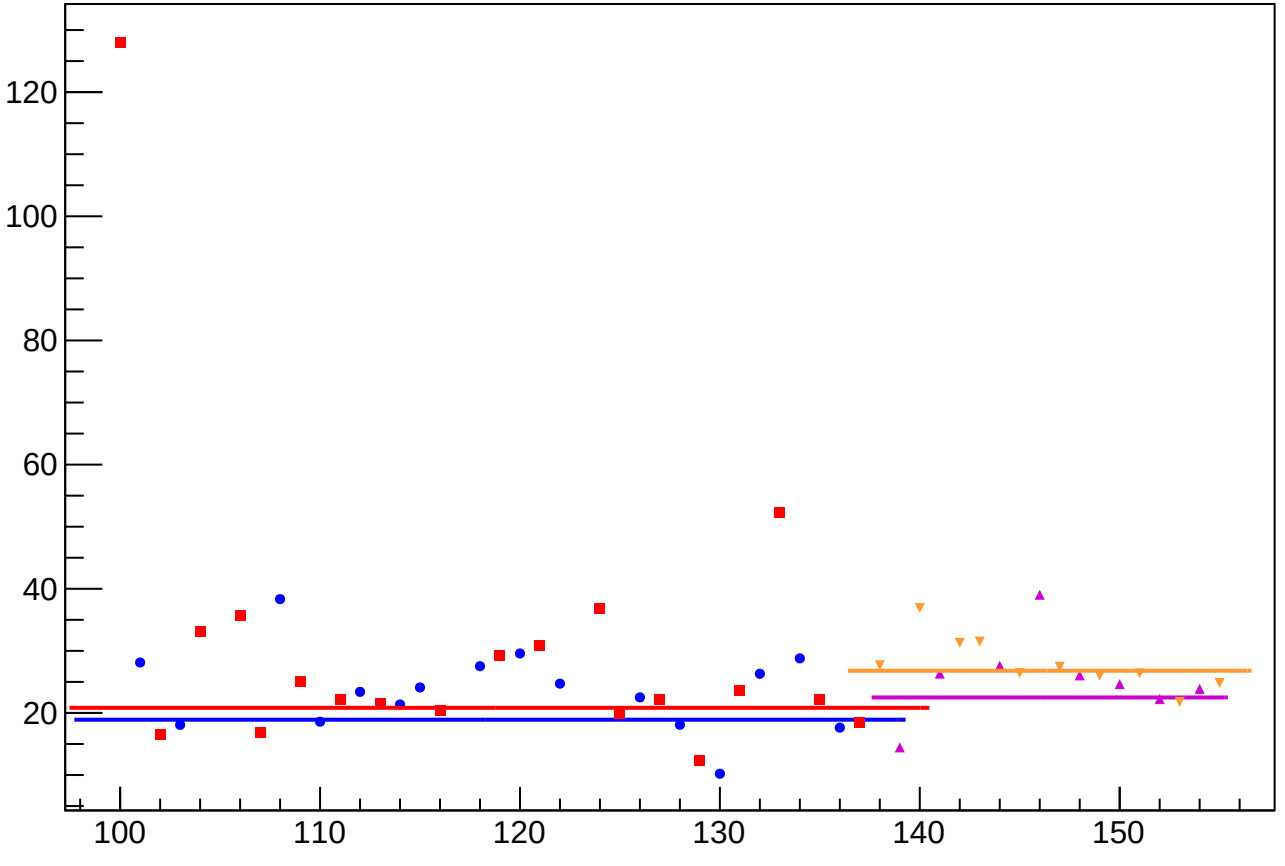
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:28.6/23

Out: -0.004+/-0.006 χ^2/NDF:39.1/28

All: 0.000+/-0.004 χ^2/NDF: 68.6/52

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: 26.799+/-0.007 χ^2/NDF:266357.8/9

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 22.493+/-0.006 χ^2/NDF:885780.7/7

Left: 24.441+/-0.005 χ^2/NDF: 1354098.6/17

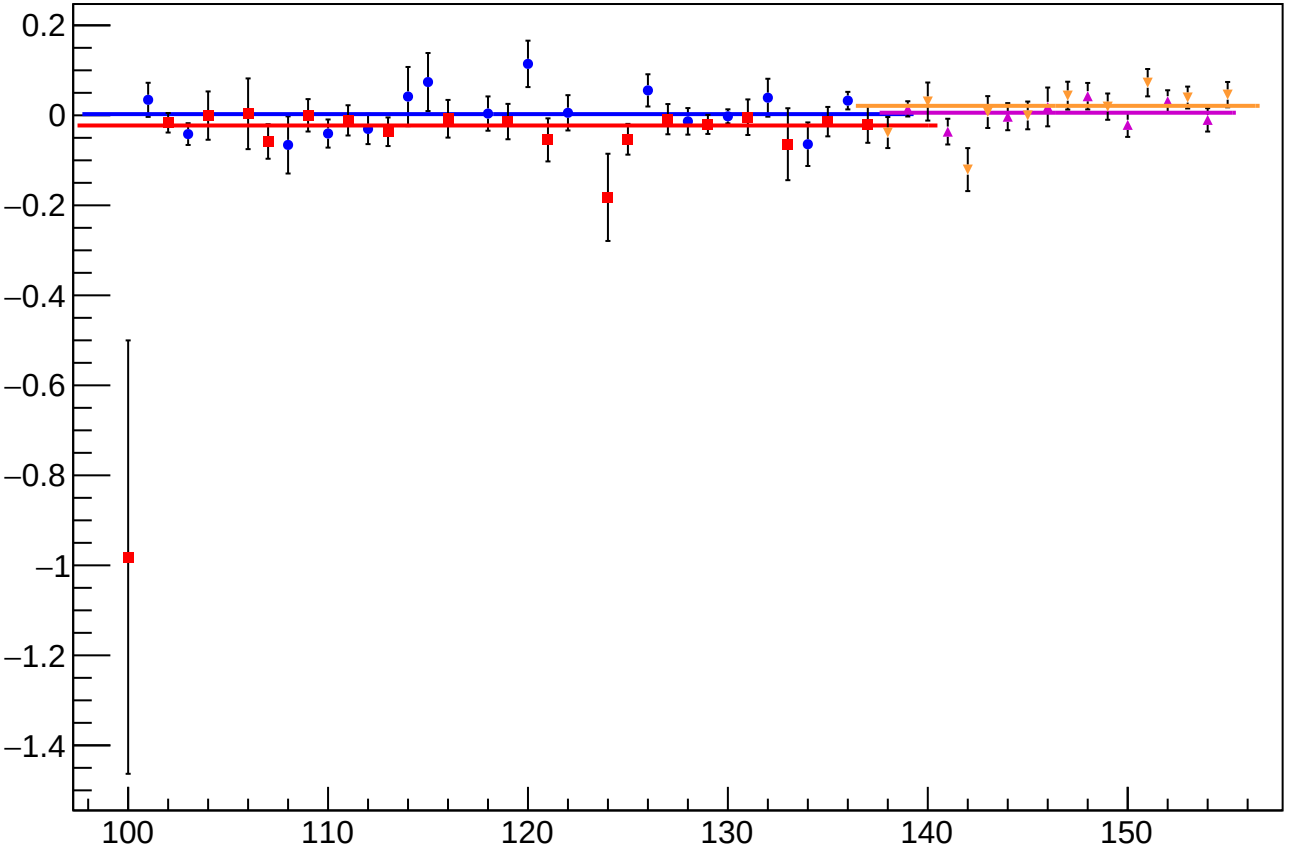
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 20.427+/-0.004 χ^2/NDF:2454339.5/23

Out: 23.306+/-0.005 χ^2/NDF:1972824.7/28

All: 21.743+/-0.003 χ^2/NDF: 4642841.8/52

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.021+/-0.010 χ^2/NDF:17.2/9

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.009 χ^2/NDF:6.6/7

Left: 0.013+/-0.007 χ^2/NDF: 25.1/17

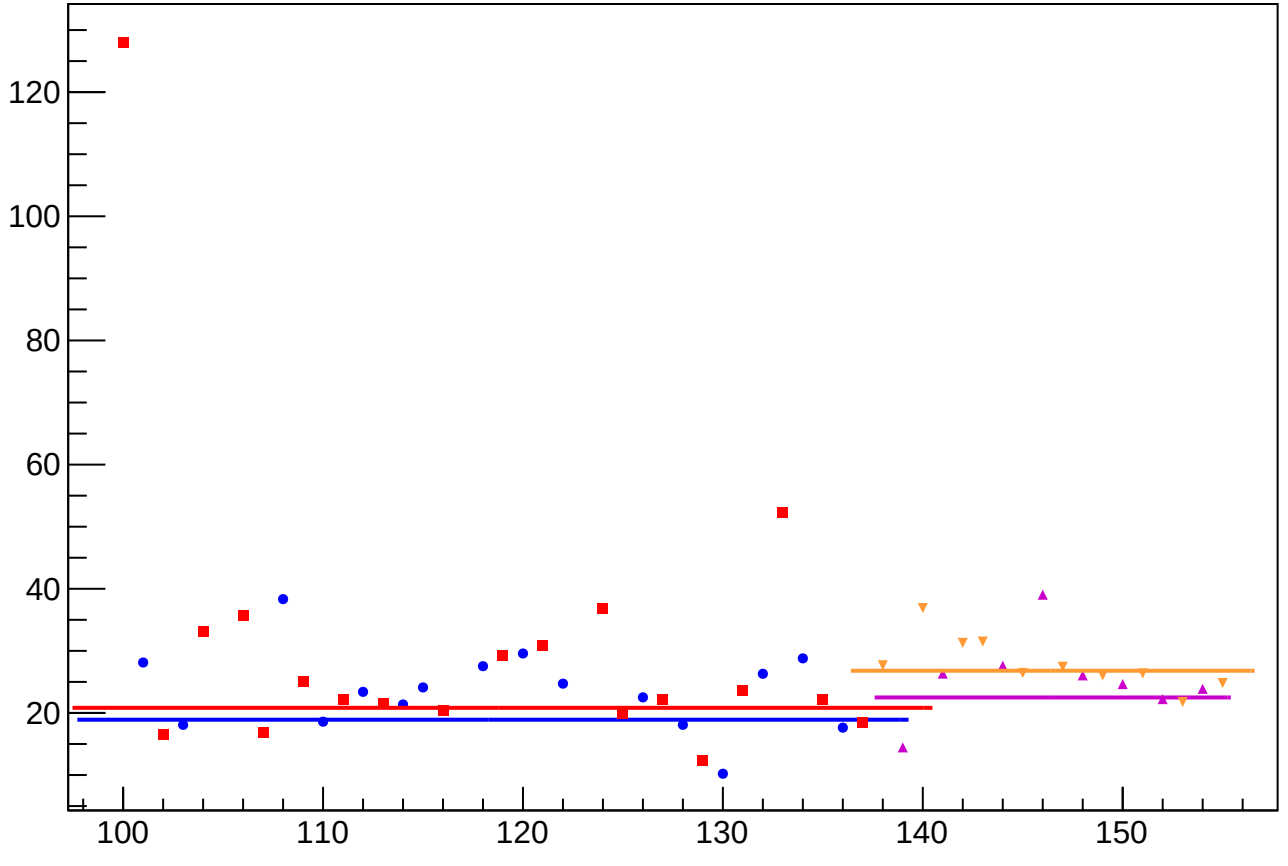
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:28.6/23

Out: -0.004+/-0.006 χ^2/NDF:39.1/28

All: 0.000+/-0.004 χ^2/NDF: 68.6/52

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: 26.799+/-0.007 χ^2/NDF:266357.8/9

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 22.493+/-0.006 χ^2/NDF:885780.7/7

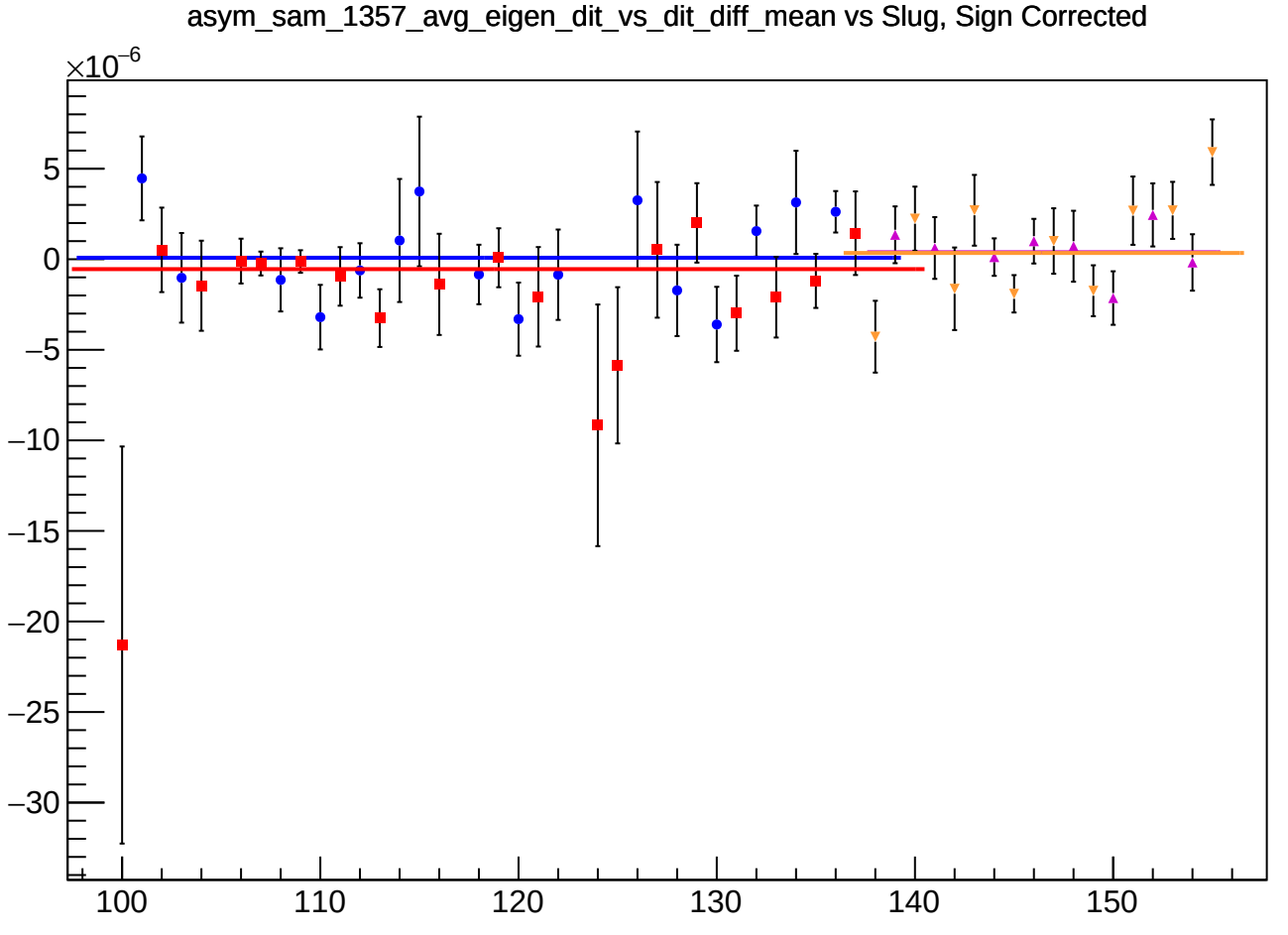
Left: 24.441+/-0.005 χ^2/NDF: 1354098.6/17

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 20.427+/-0.004 χ^2/NDF:2454339.5/23

Out: 23.306+/-0.005 χ^2/NDF:1972824.7/28

All: 21.743+/-0.003 χ^2/NDF: 4642841.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.1/9

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/7

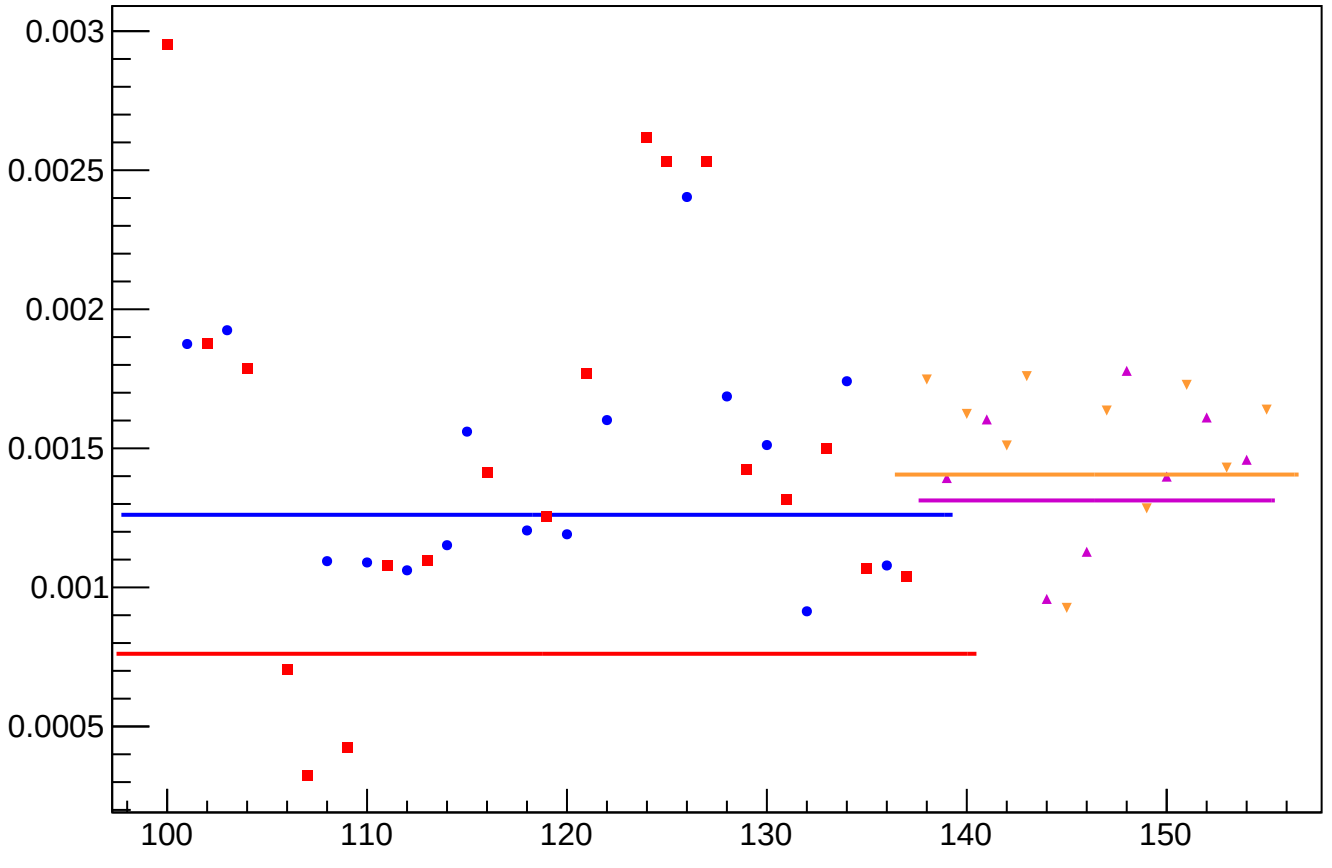
Left: 0.000+/-0.000 χ^2/NDF: 34.3/17

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:28.9/23

Out: -0.000+/-0.000 χ^2/NDF:46.9/28

All: -0.000+/-0.000 χ^2/NDF: 77.0/52



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:730858.5/9

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:538719.4/7

Left: 0.001+/-0.000 χ^2/NDF: 1302376.1/17

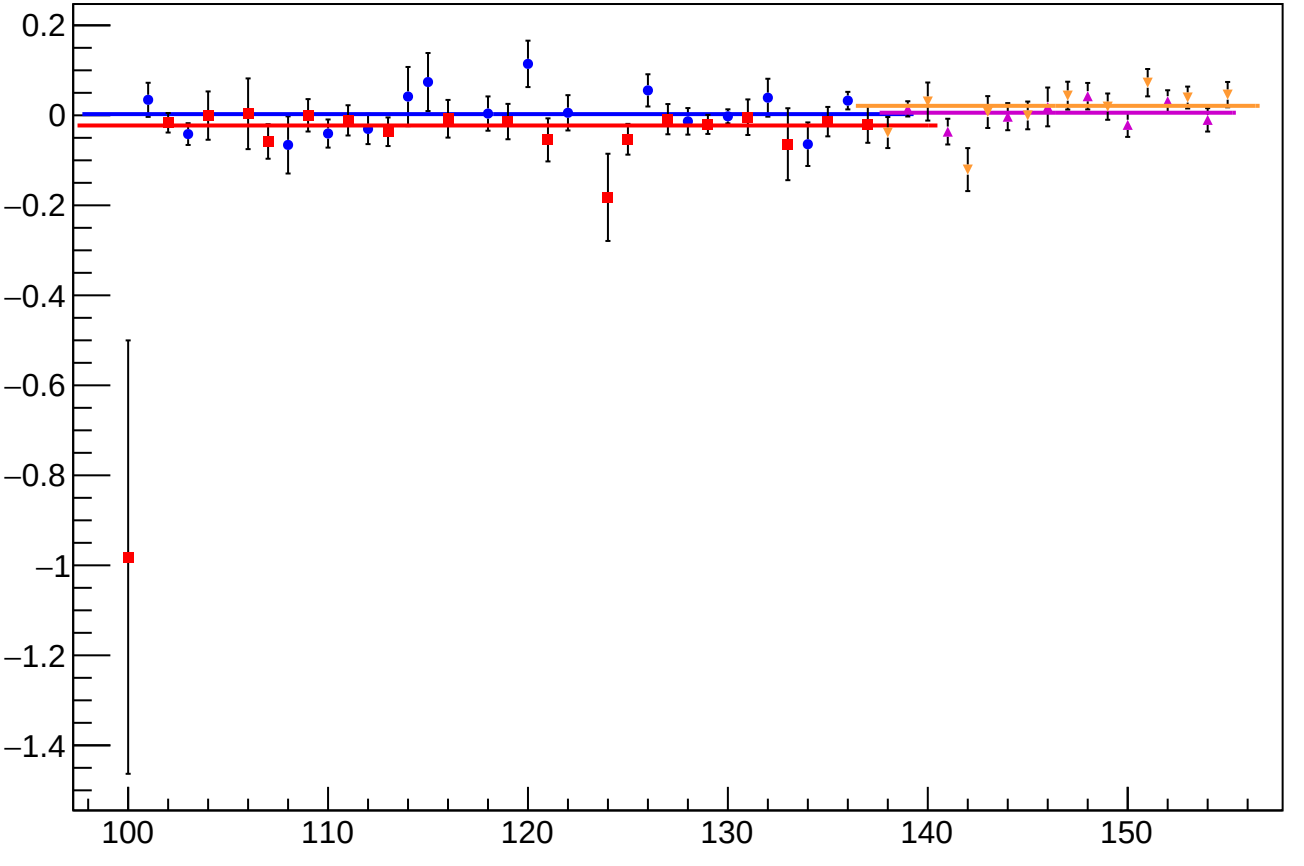
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1456703.0/23

Out: 0.001+/-0.000 χ^2/NDF:7590453.5/28

All: 0.001+/-0.000 χ^2/NDF: 10110270.8/52

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.021+/-0.010 χ^2/NDF:17.2/9

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.009 χ^2/NDF:6.6/7

Left: 0.013+/-0.007 χ^2/NDF: 25.1/17

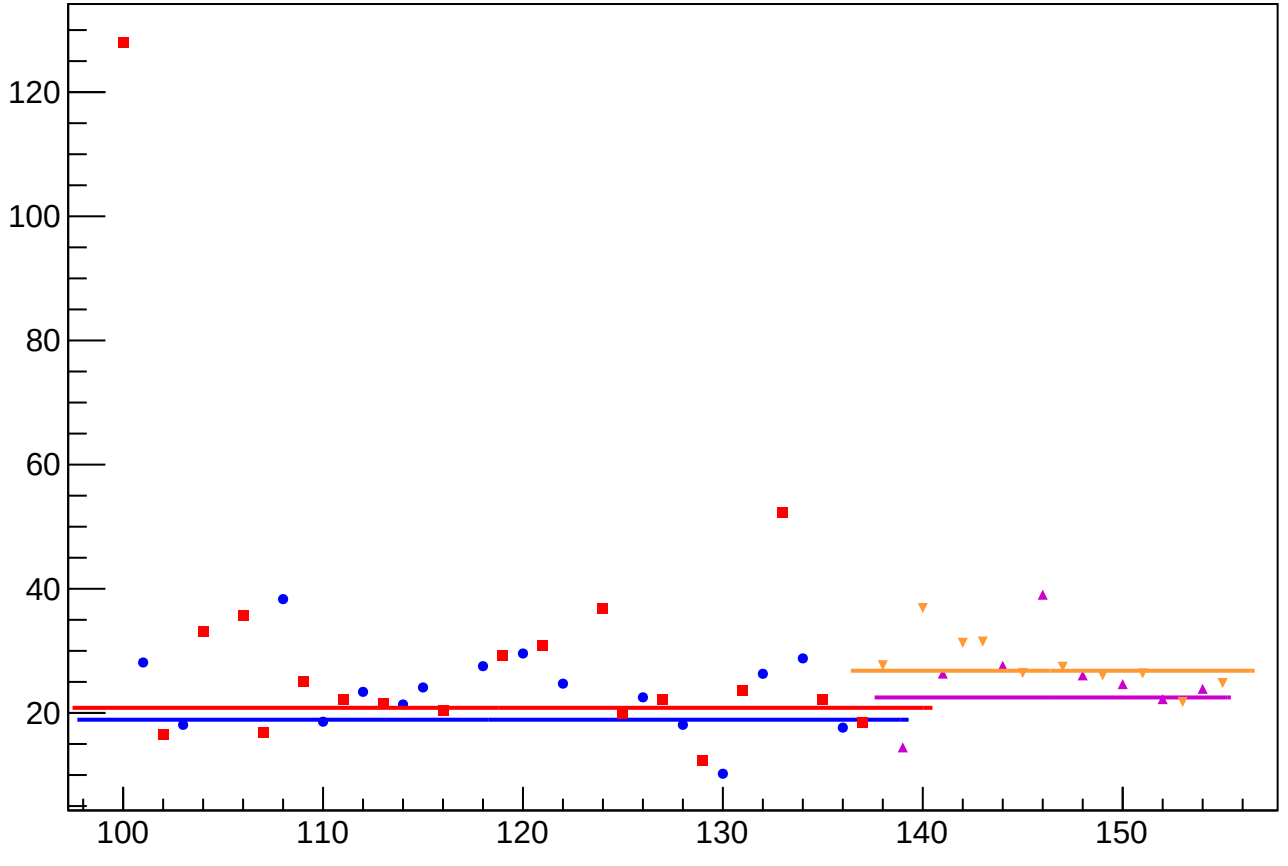
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:28.6/23

Out: -0.004+/-0.006 χ^2/NDF:39.1/28

All: 0.000+/-0.004 χ^2/NDF: 68.6/52

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: 26.800+/-0.007 χ^2/NDF:266349.0/9

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 22.494+/-0.006 χ^2/NDF:885705.7/7

Left: 24.442+/-0.005 χ^2/NDF: 1353998.2/17

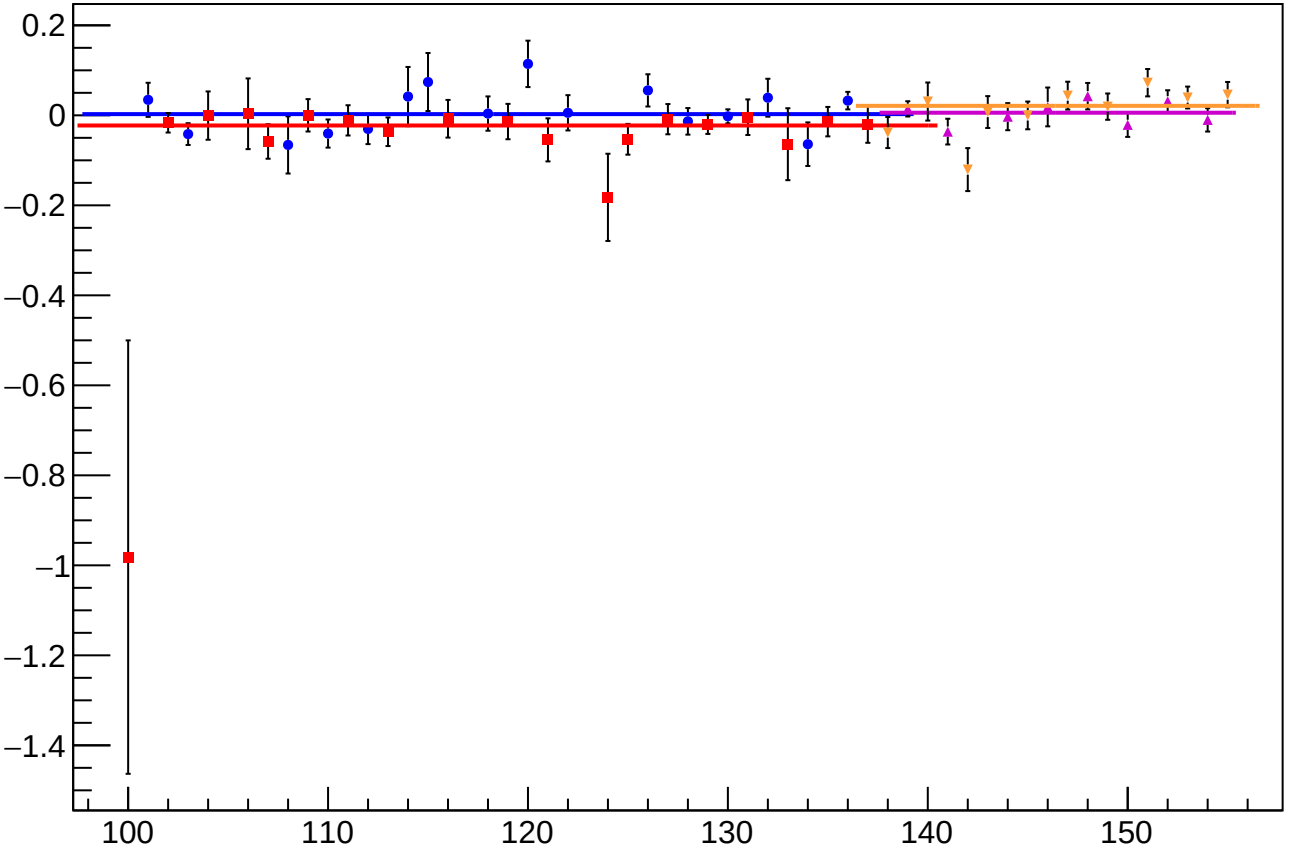
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 20.427+/-0.004 χ^2/NDF:2454170.0/23

Out: 23.307+/-0.005 χ^2/NDF:1972855.5/28

All: 21.743+/-0.003 χ^2/NDF: 4642671.0/52

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: 0.021+/-0.010 χ^2/NDF:17.2/9

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.006+/-0.009 χ^2/NDF:6.6/7

Left: 0.013+/-0.007 χ^2/NDF: 25.1/17

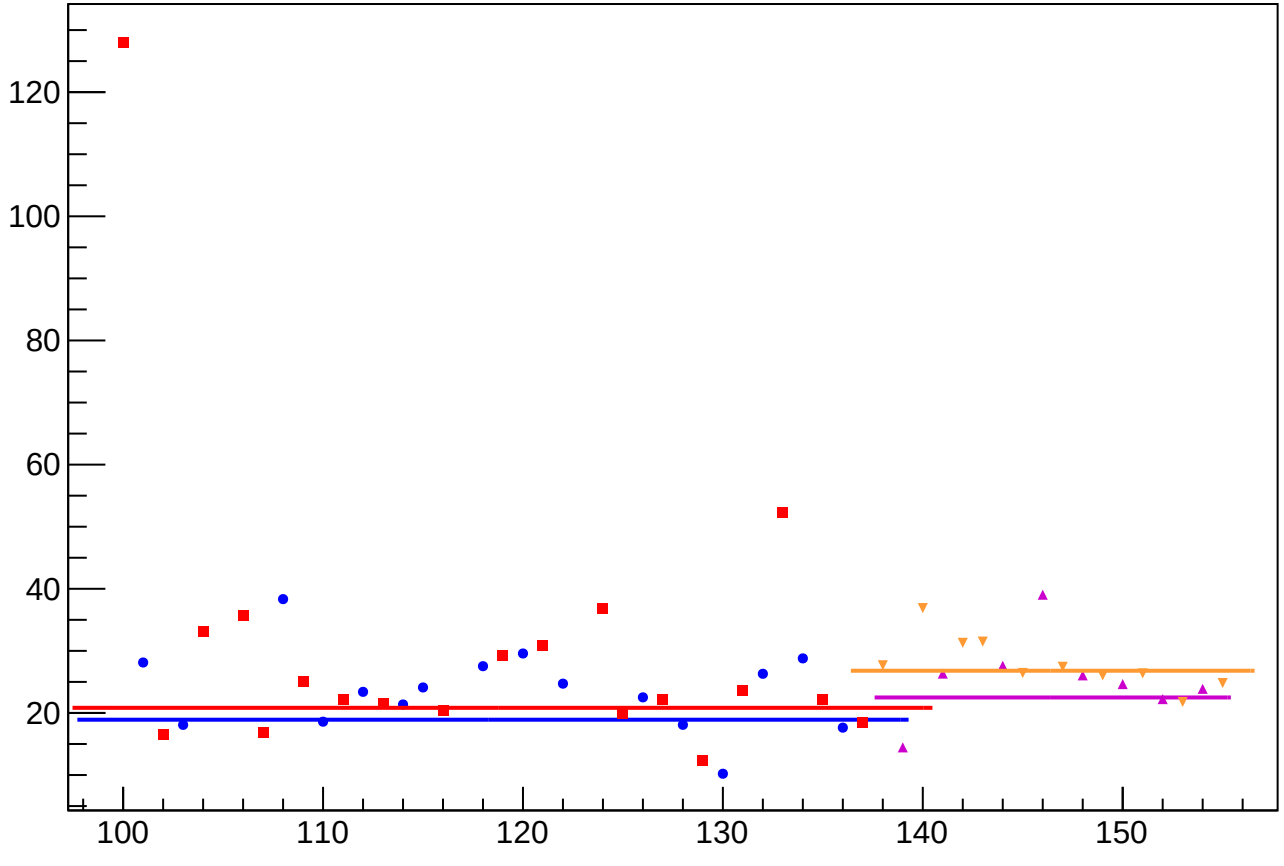
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.004+/-0.006 χ^2/NDF:28.6/23

Out: -0.004+/-0.006 χ^2/NDF:39.1/28

All: 0.000+/-0.004 χ^2/NDF: 68.6/52

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: 26.800+/-0.007 χ^2/NDF:266349.0/9

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 22.494+/-0.006 χ^2/NDF:885705.7/7

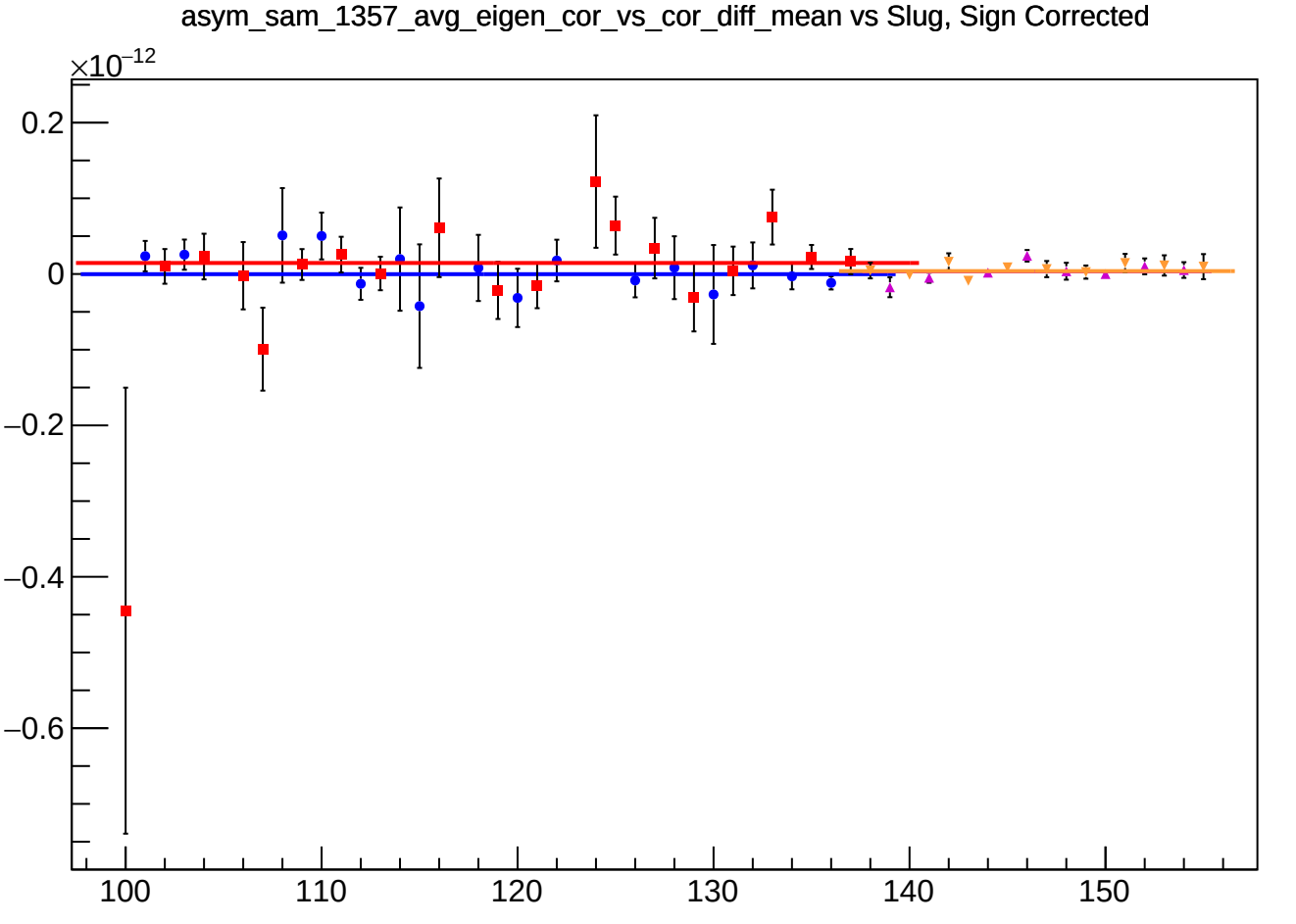
Left: 24.442+/-0.005 χ^2/NDF: 1353998.2/17

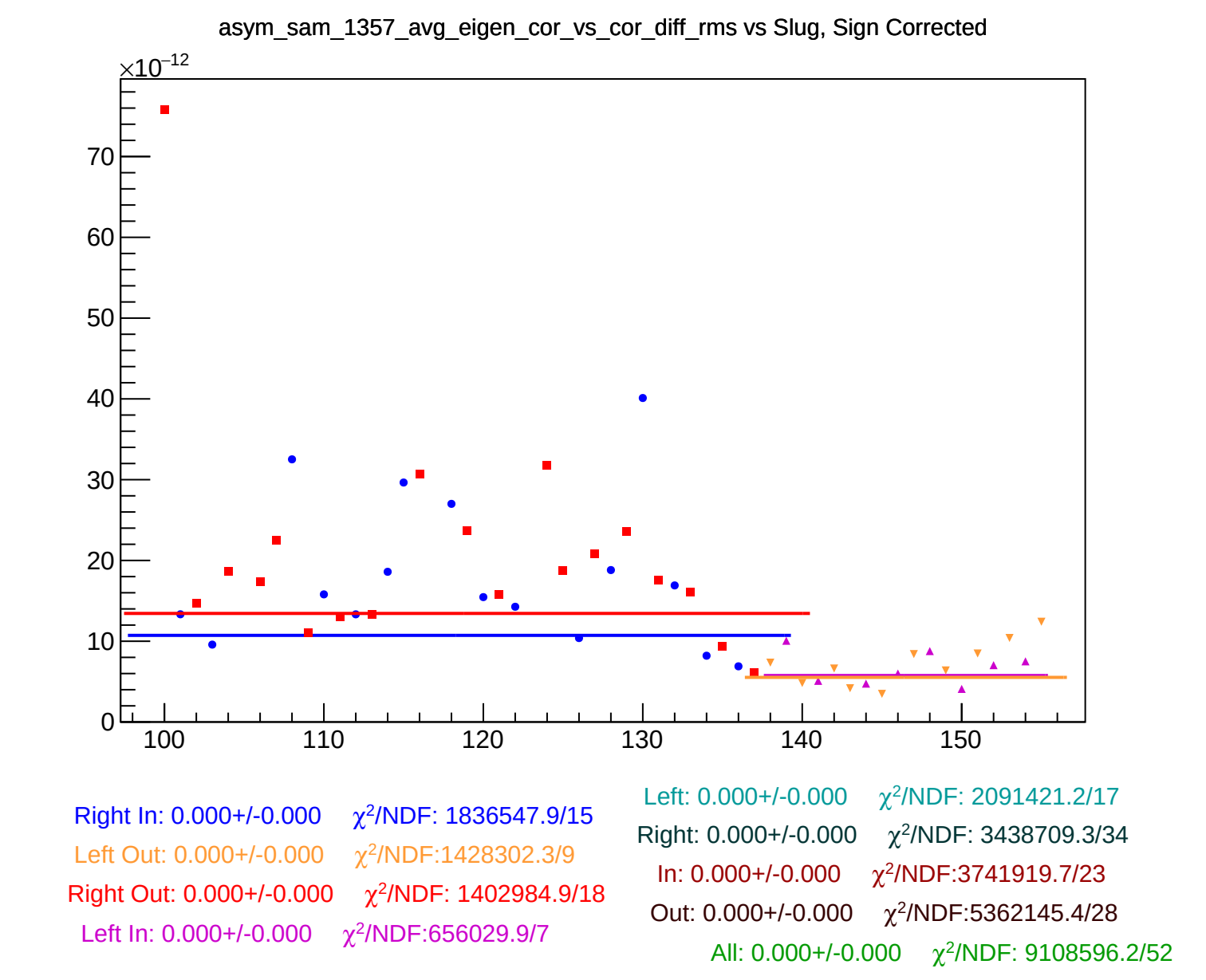
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

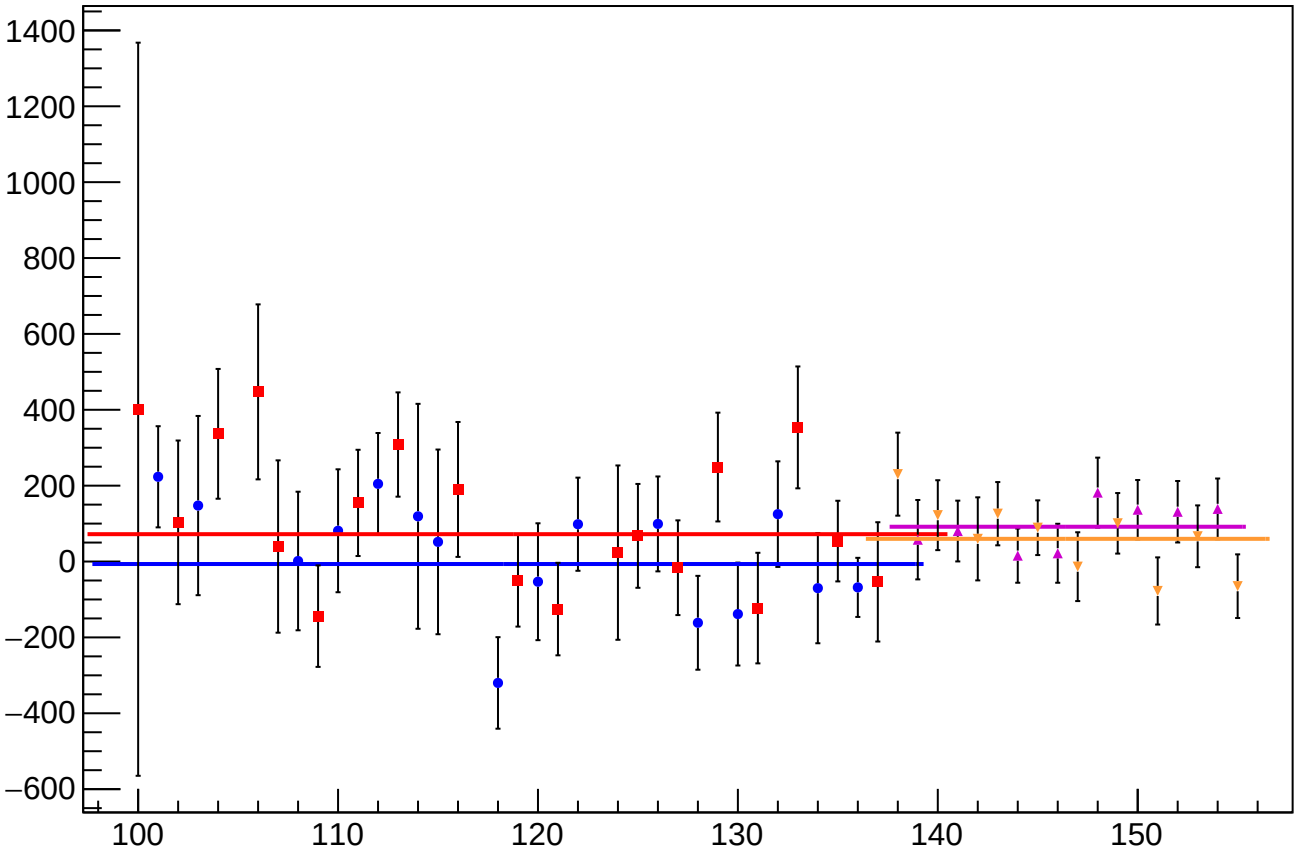
In: 20.427+/-0.004 χ^2/NDF:2454170.0/23

Out: 23.307+/-0.005 χ^2/NDF:1972855.5/28

All: 21.743+/-0.003 χ^2/NDF: 4642671.0/52


asym_sam_1357_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: 10.5/15
Left Out: 0.000+/-0.000 χ²/NDF:8.2/9
Right Out: 0.000+/-0.000 χ²/NDF: 17.6/18
Left In: 0.000+/-0.000 χ²/NDF:12.2/7
Left: 0.000+/-0.000 χ²/NDF: 20.4/17
Right: 0.000+/-0.000 χ²/NDF: 31.1/34
In: 0.000+/-0.000 χ²/NDF:23.0/23
Out: 0.000+/-0.000 χ²/NDF:28.1/28
All: 0.000+/-0.000 χ²/NDF: 51.7/52


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:1428302.3/9
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:656029.9/7
Left: 0.000+/-0.000 χ²/NDF: 2091421.2/17
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:3741919.7/23
Out: 0.000+/-0.000 χ²/NDF:5362145.4/28
All: 0.000+/-0.000 χ²/NDF: 9108596.2/52



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 59.830+/-27.525 χ^2/NDF:9.2/9

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 91.701+/-28.891 χ^2/NDF:3.9/7

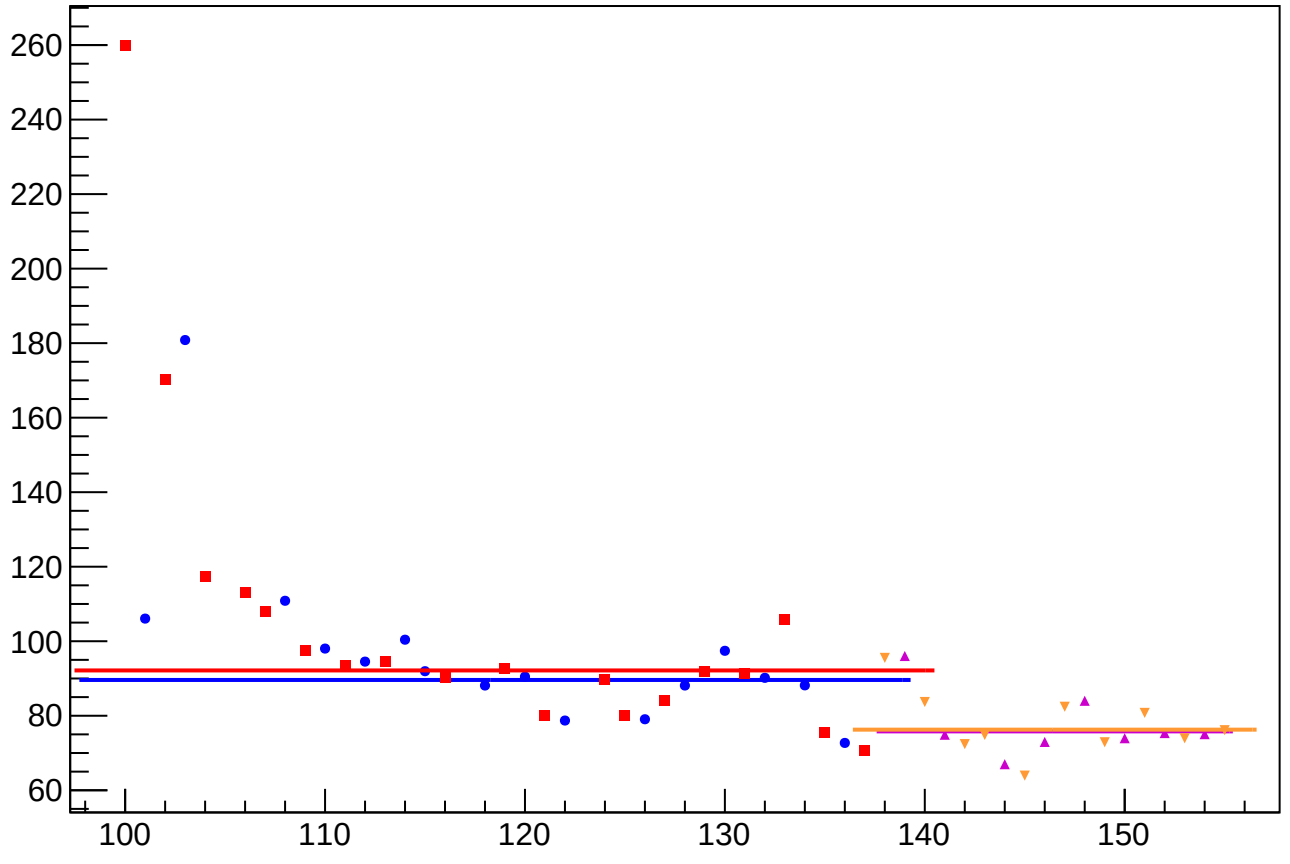
Left: 74.994+/-19.929 χ^2/NDF: 13.8/17

Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 50.901+/-22.093 χ^2/NDF:27.7/23

Out: 64.547+/-21.608 χ^2/NDF:32.1/28

All: 57.876+/-15.448 χ^2/NDF: 60.0/52



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.269+/-0.019 χ^2/NDF:156184.3/9

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.804+/-0.020 χ^2/NDF:125256.5/7

Left: 76.048+/-0.014 χ^2/NDF: 281711.4/17

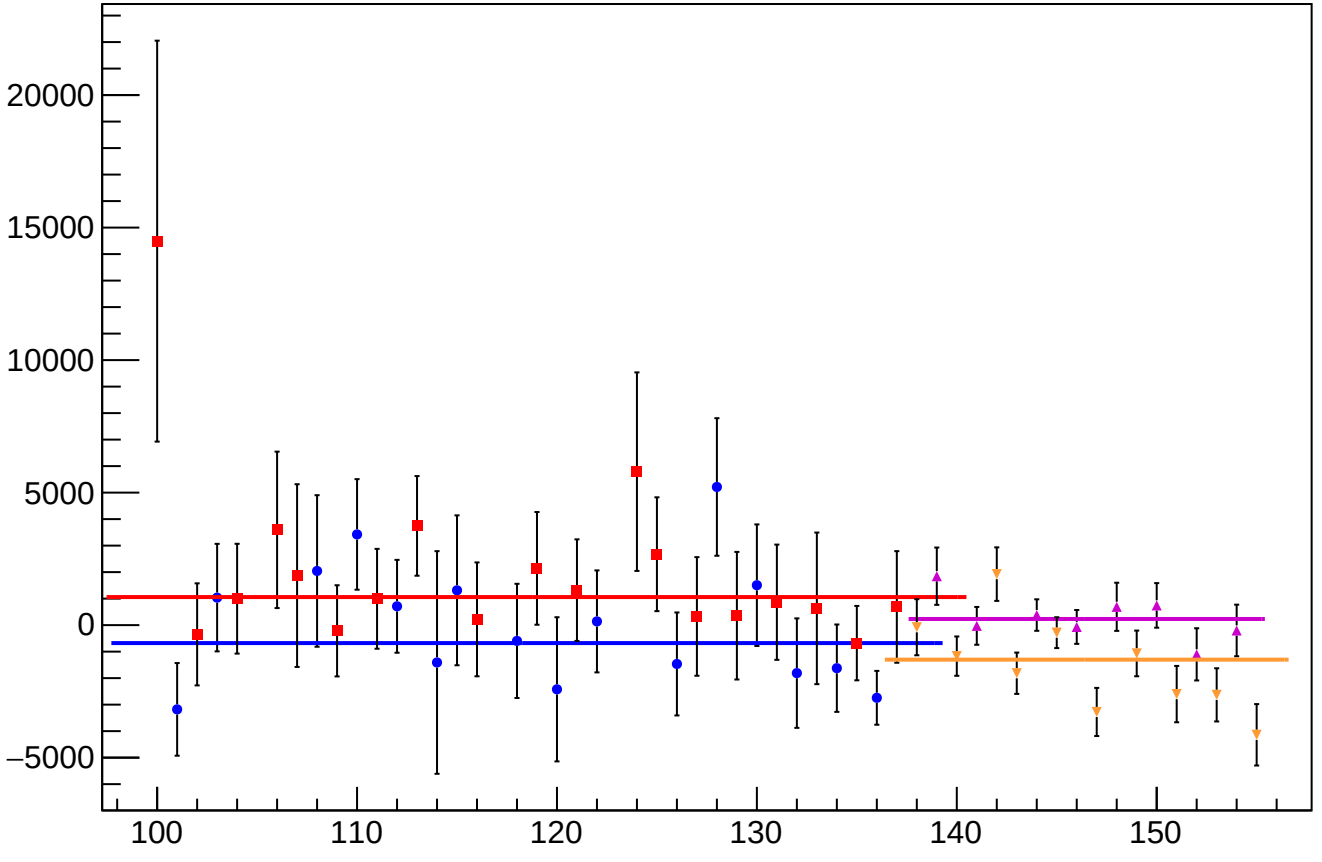
Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 81.534+/-0.016 χ^2/NDF:813086.7/23

Out: 82.367+/-0.015 χ^2/NDF:954099.8/28

All: 81.960+/-0.011 χ^2/NDF: 1768638.2/52

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: -1302.594+/-272.465 χ^2/NDF:29.1/9

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 231.907+/-279.379 χ^2/NDF:5.3/7

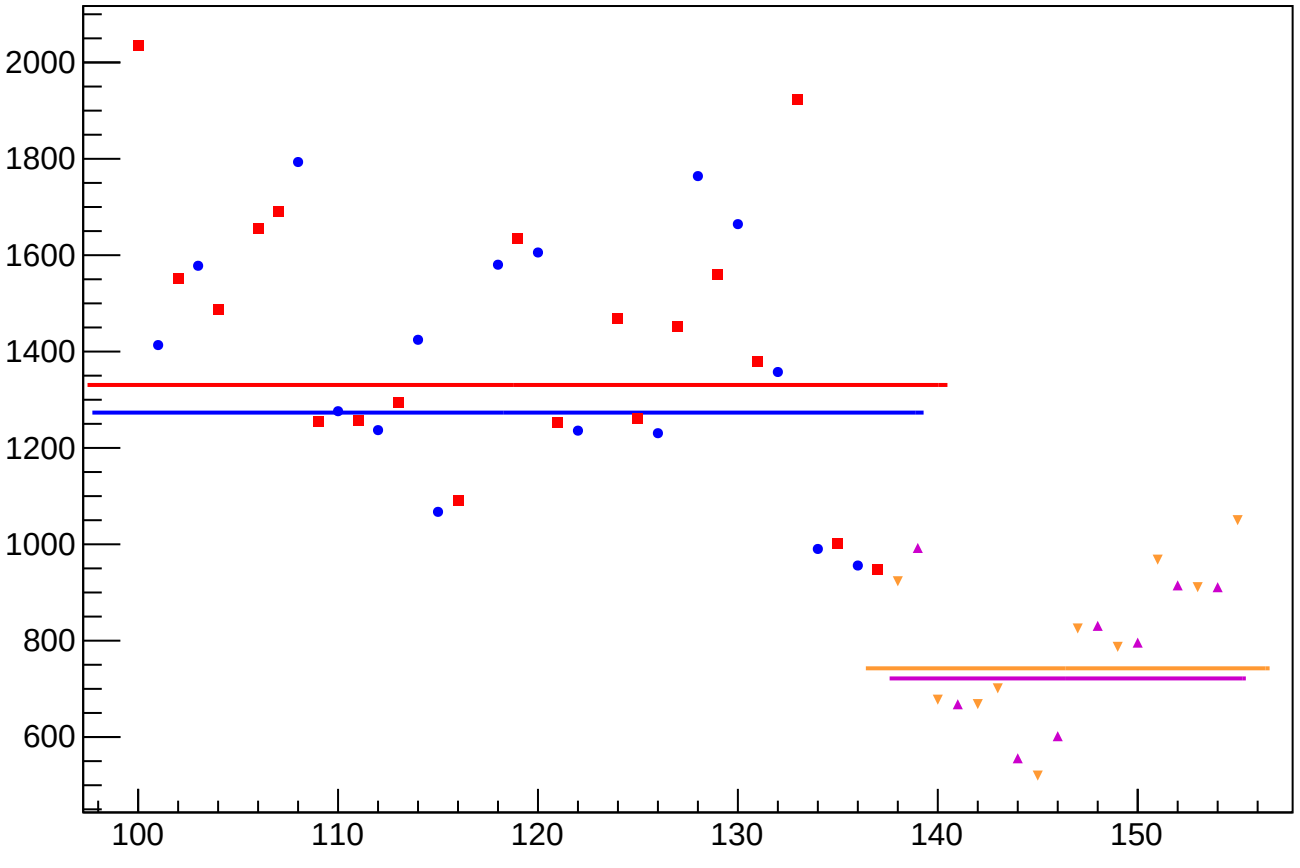
Left: -554.563+/-195.060 χ^2/NDF: 49.9/17

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 6.395+/-242.270 χ^2/NDF:28.2/23

Out: -755.805+/-238.846 χ^2/NDF:58.0/28

All: -380.130+/-170.087 χ^2/NDF: 91.2/52



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 742.623+/-0.193 χ^2/NDF:691869.4/9

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 721.637+/-0.198 χ^2/NDF:559694.4/7

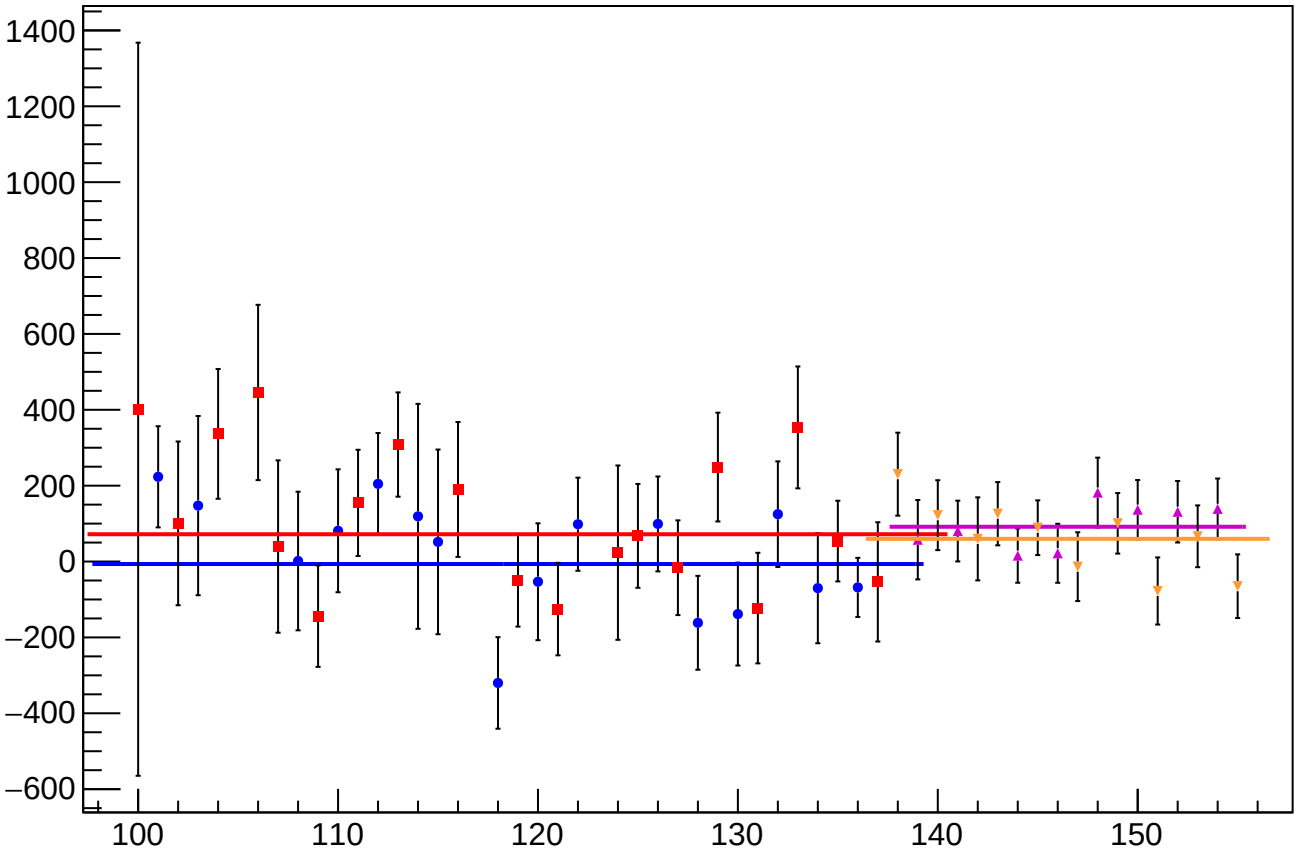
Left: 732.393+/-0.138 χ^2/NDF: 1257347.5/17

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 858.461+/-0.171 χ^2/NDF:3091400.9/23

Out: 878.792+/-0.169 χ^2/NDF:3319866.3/28

All: 868.771+/-0.120 χ^2/NDF: 6418410.2/52



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 59.838+/-27.525 χ^2/NDF:9.2/9

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 91.700+/-28.891 χ^2/NDF:3.9/7

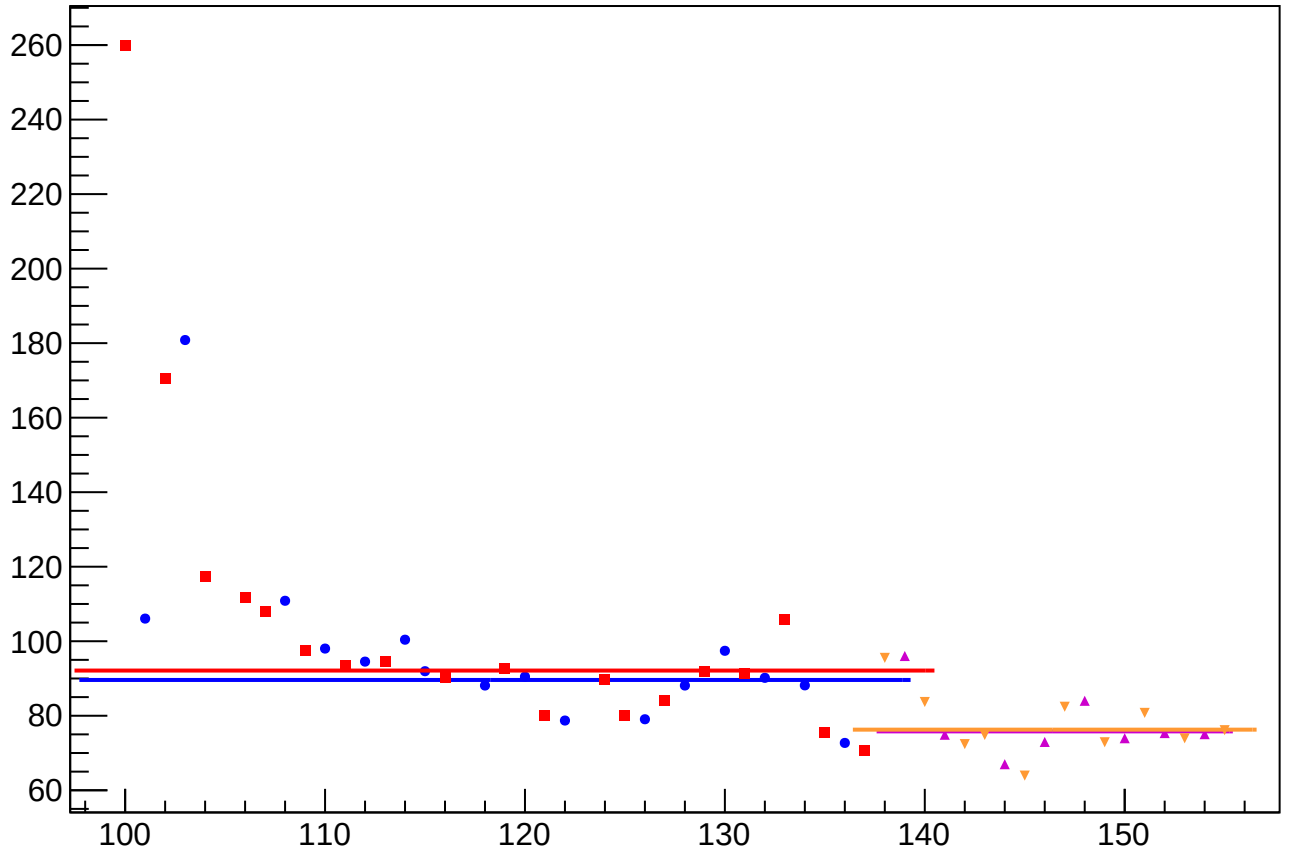
Left: 74.998+/-19.929 χ^2/NDF: 13.8/17

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 50.897+/-22.093 χ^2/NDF:27.7/23

Out: 64.497+/-21.609 χ^2/NDF:32.1/28

All: 57.848+/-15.448 χ^2/NDF: 59.9/52



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.269+/-0.019 χ^2/NDF:156184.3/9

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.804+/-0.020 χ^2/NDF:125256.5/7

Left: 76.048+/-0.014 χ^2/NDF: 281711.4/17

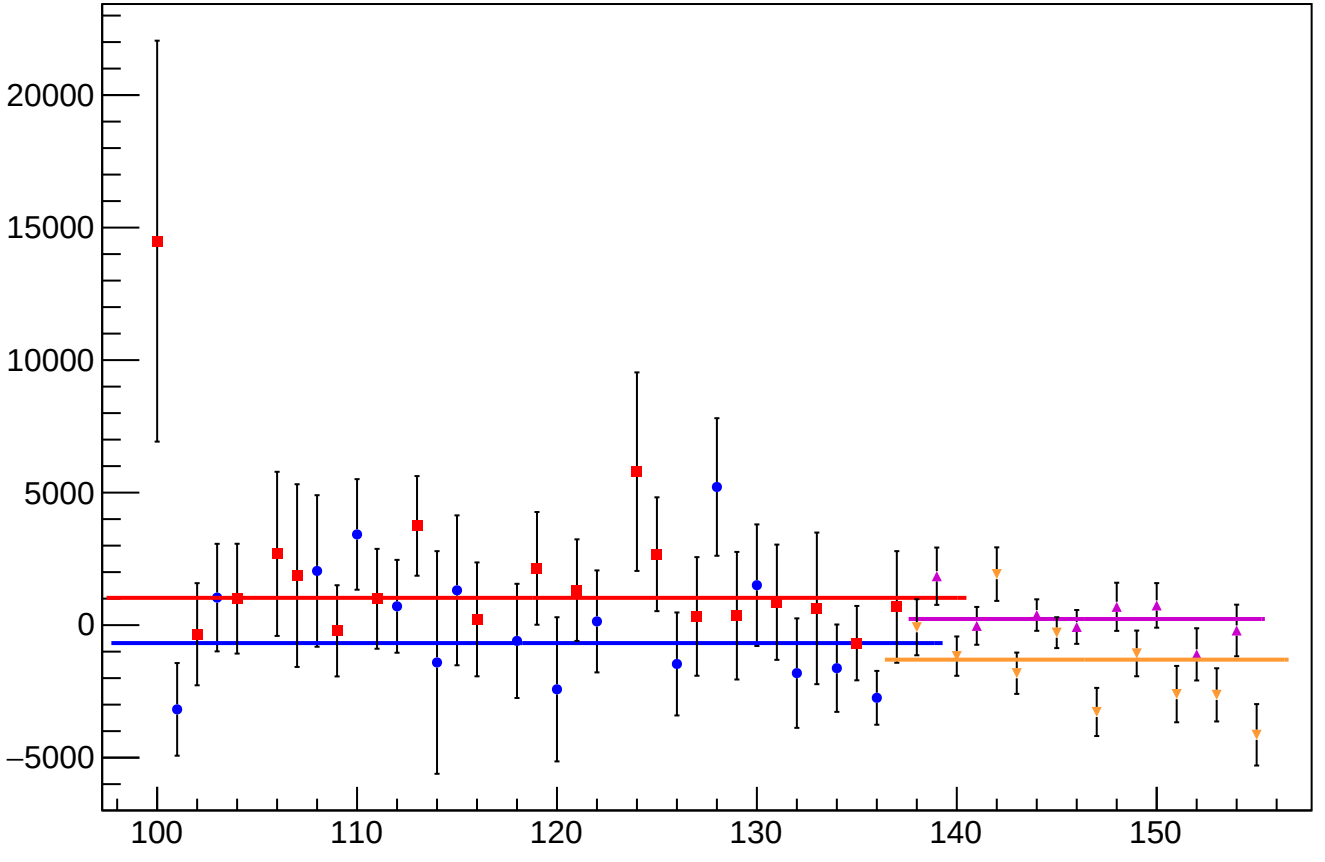
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 81.534+/-0.016 χ^2/NDF:813090.2/23

Out: 82.354+/-0.015 χ^2/NDF:951294.1/28

All: 81.953+/-0.011 χ^2/NDF: 1765792.3/52

asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1302.585+/-272.465 χ^2/NDF:29.1/9

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 231.912+/-279.379 χ^2/NDF:5.3/7

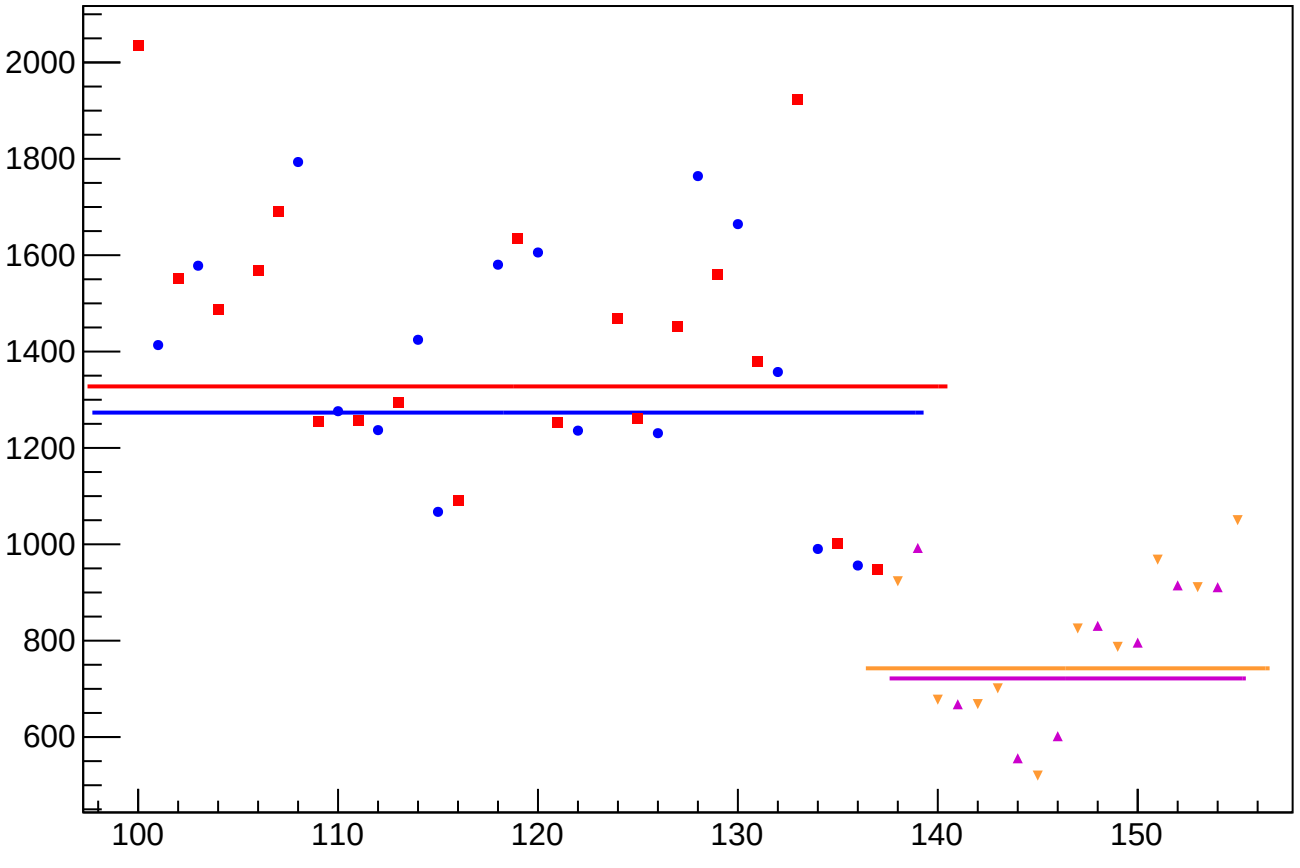
Left: -554.557+/-195.060 χ^2/NDF: 49.9/17

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 6.409+/-242.270 χ^2/NDF:28.2/23

Out: -763.713+/-238.920 χ^2/NDF:57.0/28

All: -384.014+/-170.114 χ^2/NDF: 90.3/52



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 742.622+/-0.193 χ^2/NDF:691872.4/9

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 721.637+/-0.198 χ^2/NDF:559692.8/7

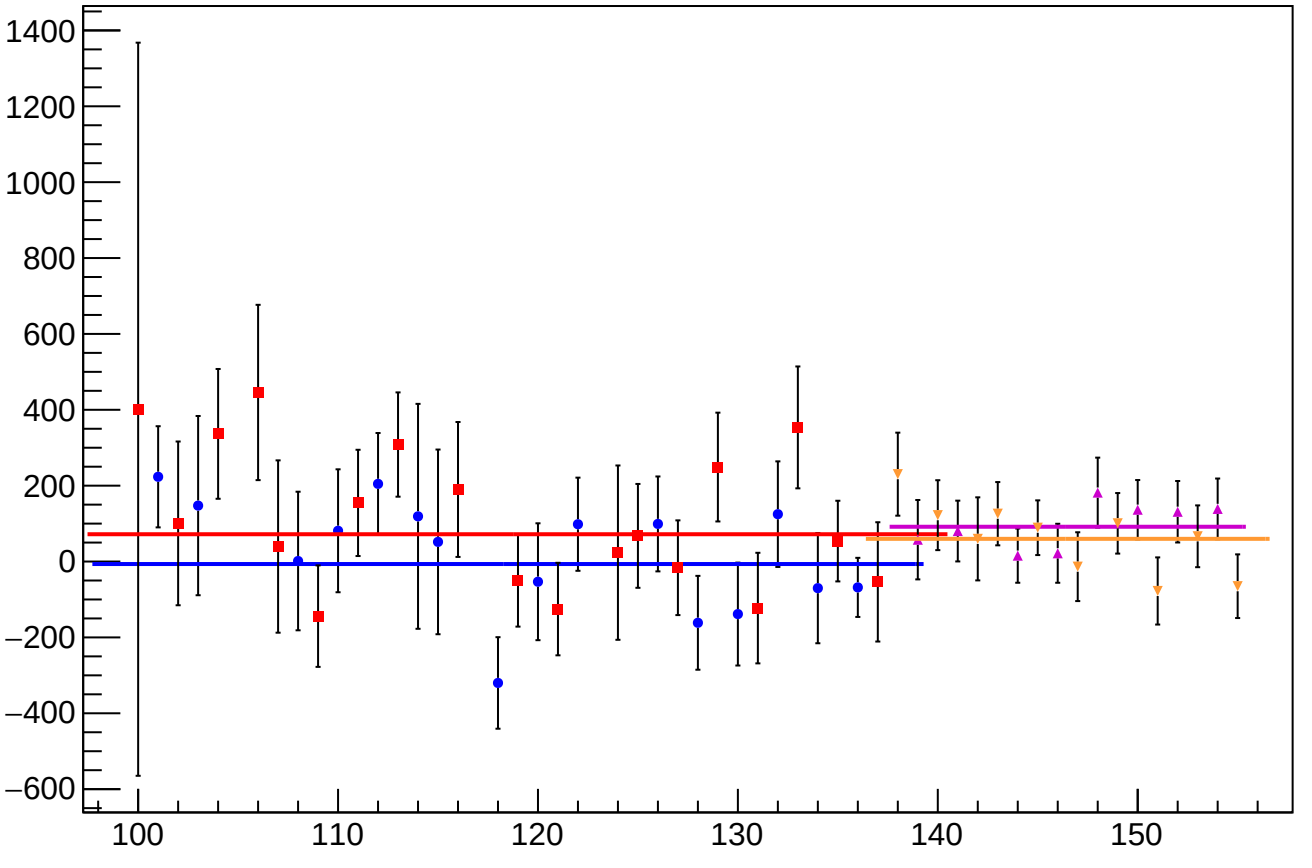
Left: 732.393+/-0.138 χ^2/NDF: 1257348.6/17

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 858.461+/-0.171 χ^2/NDF:3091436.4/23

Out: 877.812+/-0.169 χ^2/NDF:3281124.0/28

All: 868.272+/-0.120 χ^2/NDF: 6379029.3/52



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 59.838+/-27.525 χ^2/NDF:9.2/9

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 91.700+/-28.891 χ^2/NDF:3.9/7

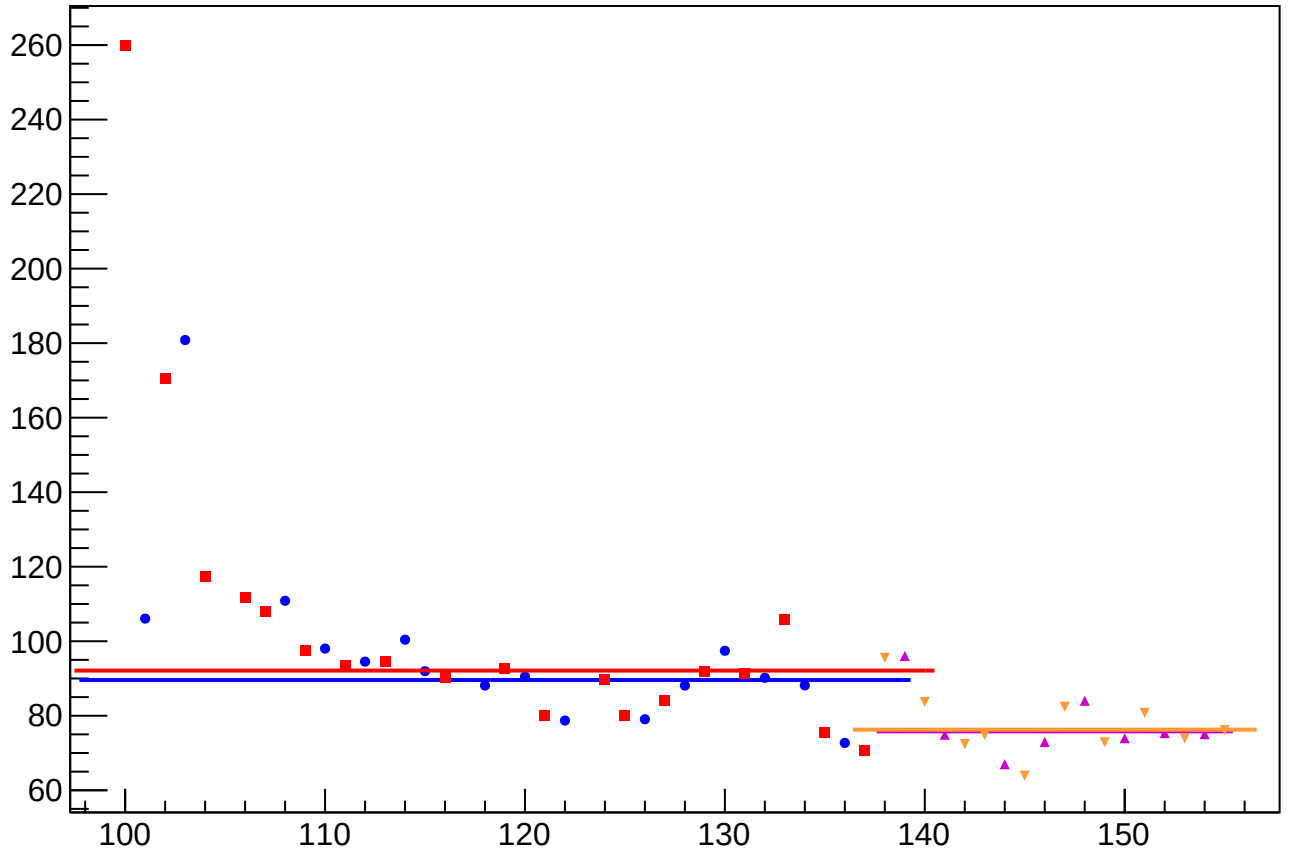
Left: 74.998+/-19.929 χ^2/NDF: 13.8/17

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 50.897+/-22.093 χ^2/NDF:27.7/23

Out: 64.497+/-21.609 χ^2/NDF:32.1/28

All: 57.848+/-15.448 χ^2/NDF: 59.9/52



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.269+/-0.019 χ^2/NDF:156184.3/9

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.804+/-0.020 χ^2/NDF:125256.5/7

Left: 76.048+/-0.014 χ^2/NDF: 281711.4/17

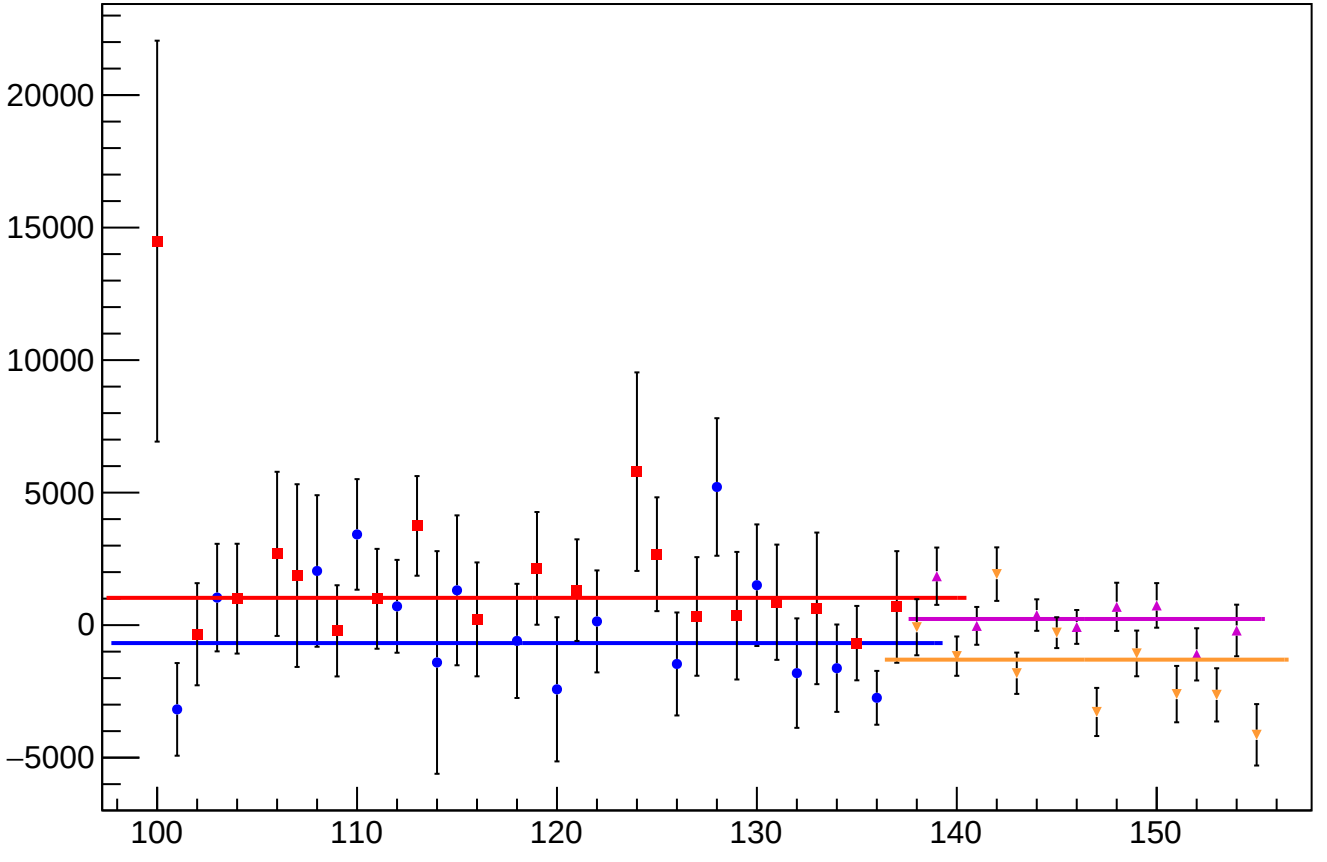
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 81.534+/-0.016 χ^2/NDF:813090.2/23

Out: 82.354+/-0.015 χ^2/NDF:951294.1/28

All: 81.953+/-0.011 χ^2/NDF: 1765792.3/52

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: -1302.585+/-272.465 χ^2/NDF:29.1/9

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 231.912+/-279.379 χ^2/NDF:5.3/7

Left: -554.557+/-195.060 χ^2/NDF: 49.9/17

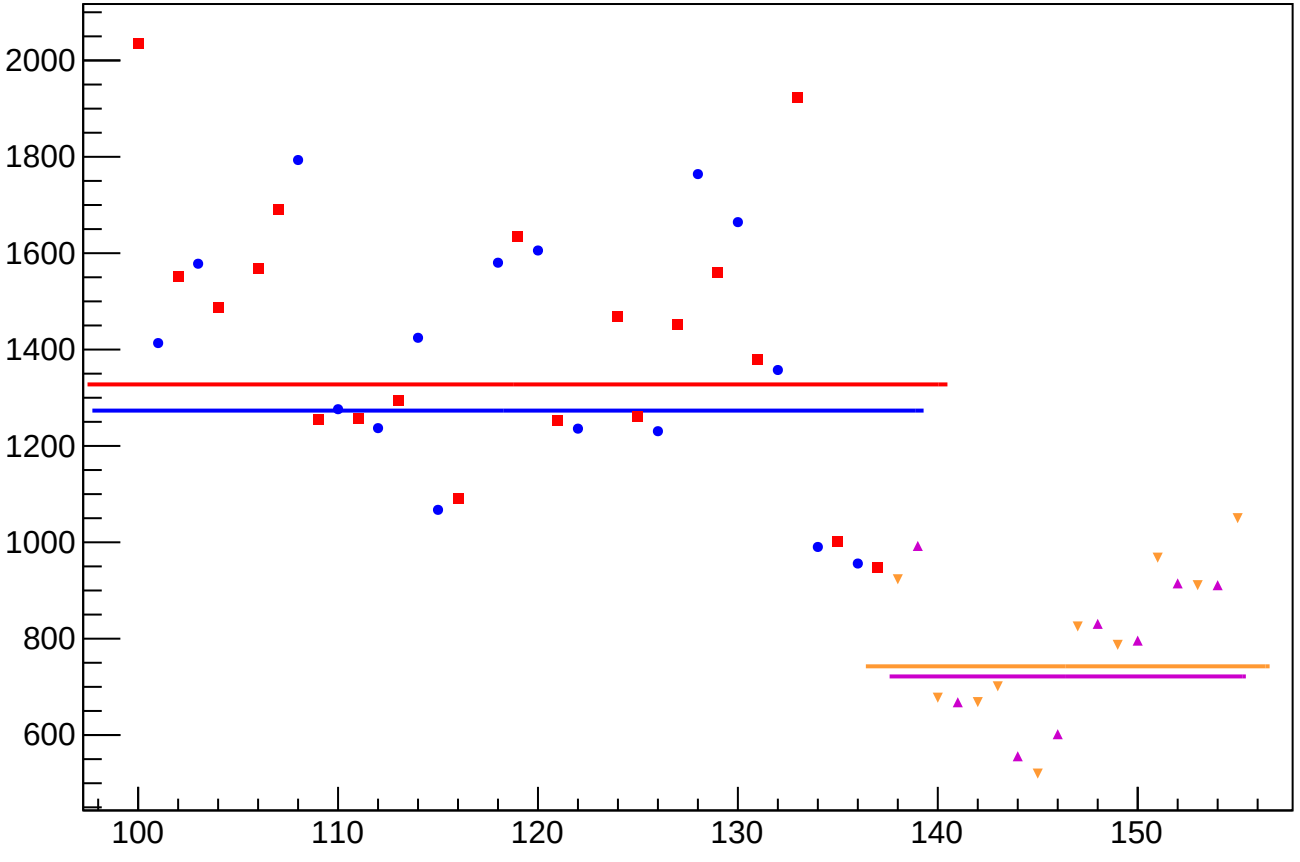
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 6.409+/-242.270 χ^2/NDF:28.2/23

Out: -763.713+/-238.920 χ^2/NDF:57.0/28

All: -384.014+/-170.114 χ^2/NDF: 90.3/52

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: 742.622+/-0.193 χ^2/NDF:691872.4/9

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 721.637+/-0.198 χ^2/NDF:559692.8/7

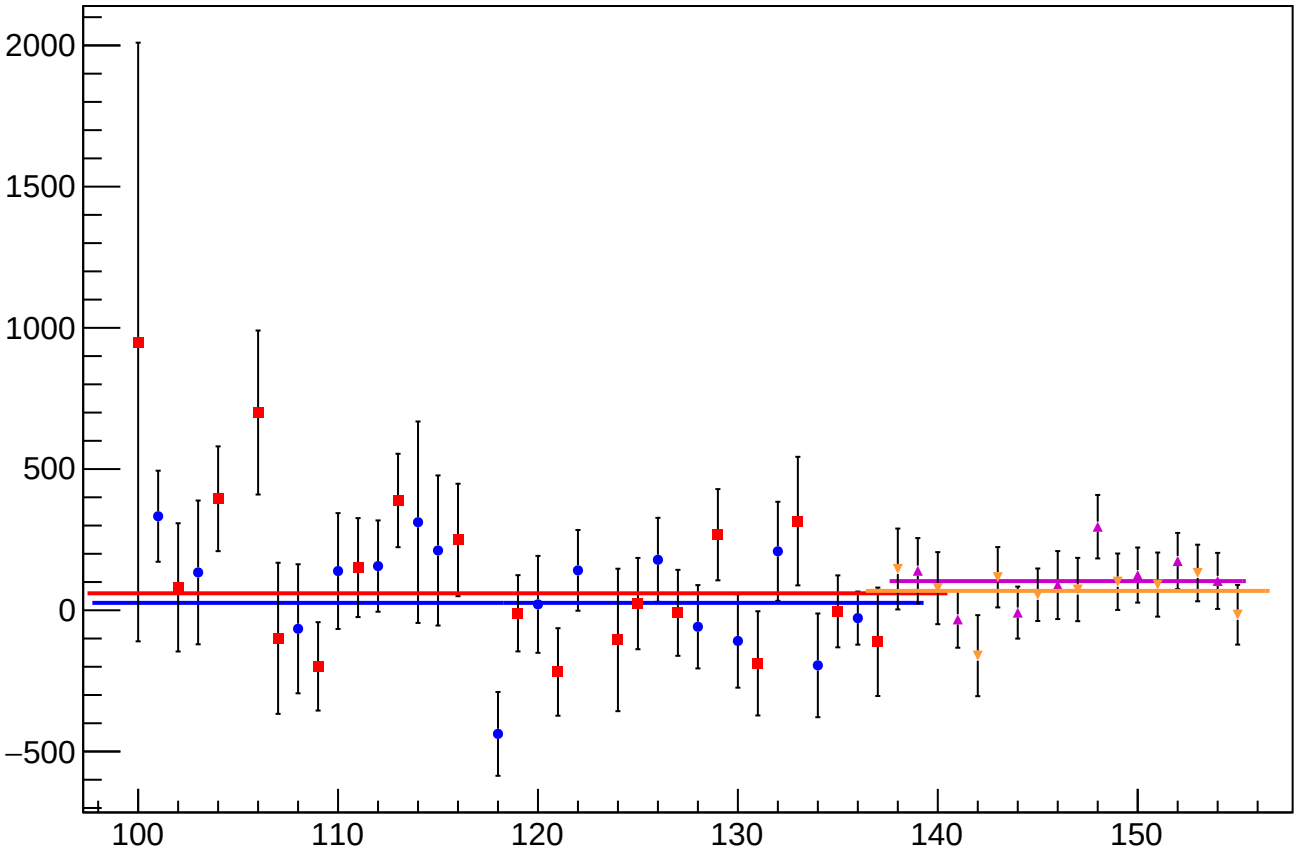
Left: 732.393+/-0.138 χ^2/NDF: 1257348.6/17

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 858.461+/-0.171 χ^2/NDF:3091436.4/23

Out: 877.812+/-0.169 χ^2/NDF:3281124.0/28

All: 868.272+/-0.120 χ^2/NDF: 6379029.3/52



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 68.679+/-35.166 χ^2/NDF:4.3/9

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 103.267+/-36.564 χ^2/NDF:6.9/7

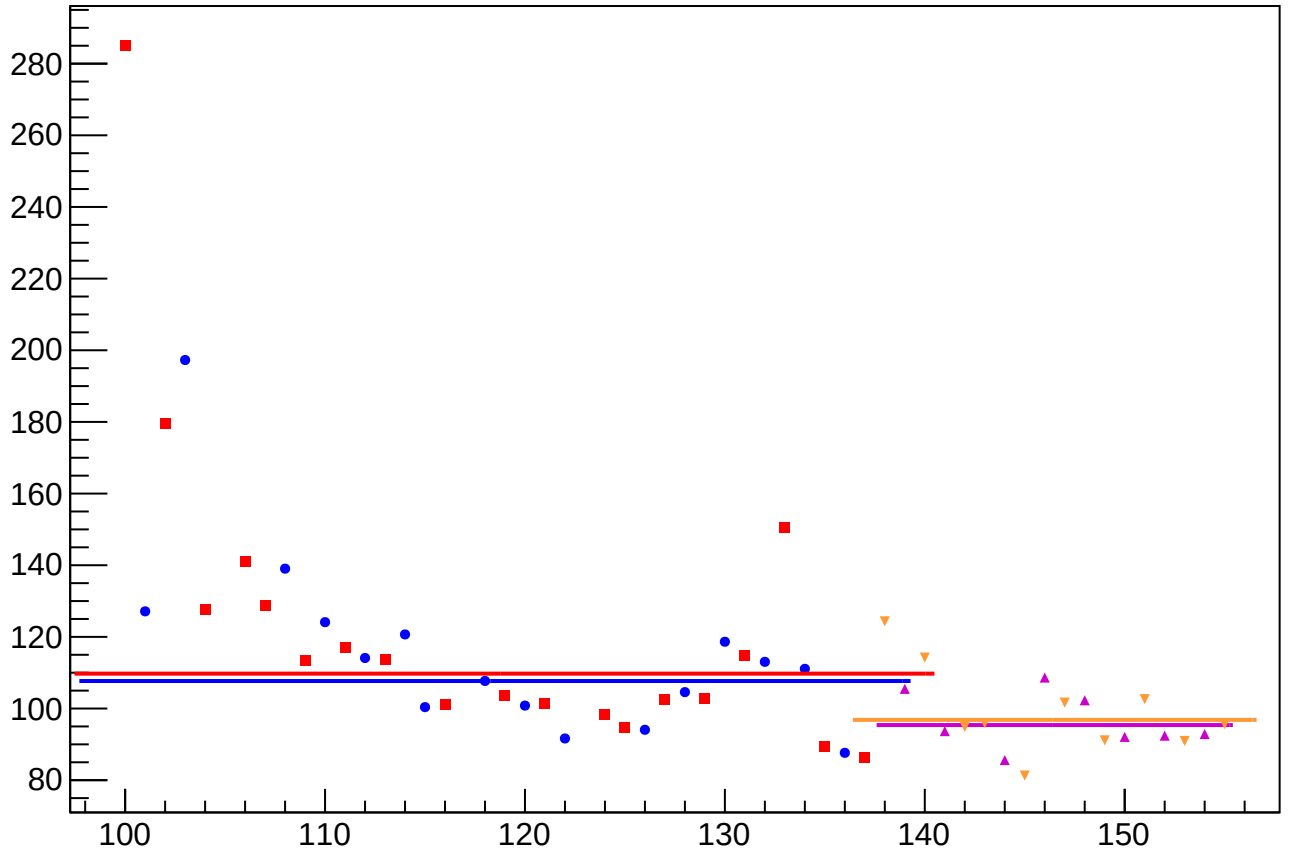
Left: 85.299+/-25.346 χ^2/NDF: 11.6/17

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 69.352+/-27.353 χ^2/NDF:30.2/23

Out: 65.105+/-26.837 χ^2/NDF:31.3/28

All: 67.188+/-19.156 χ^2/NDF: 61.5/52



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 96.838+/-0.025 χ^2/NDF:189892.5/9

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 95.389+/-0.026 χ^2/NDF:75519.8/7

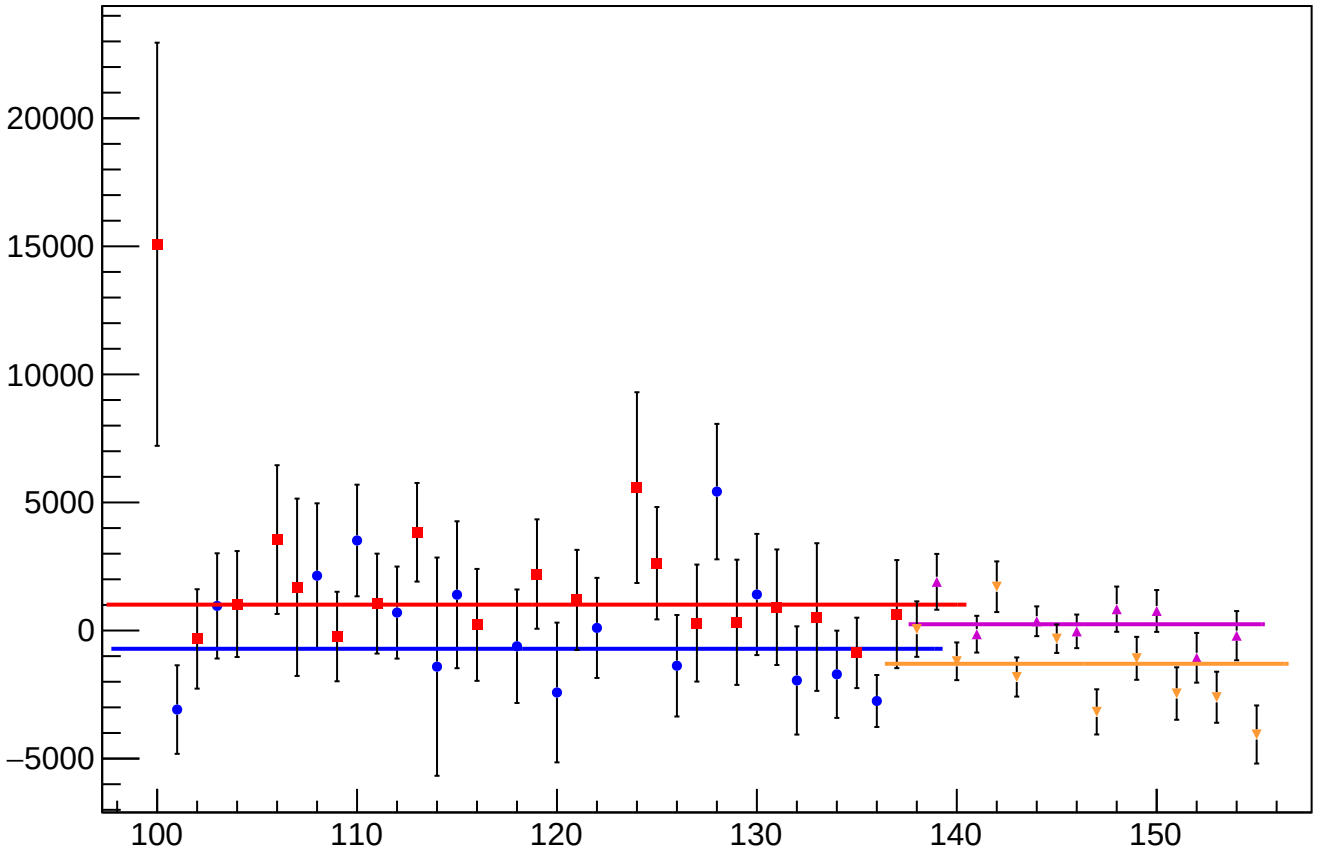
Left: 96.142+/-0.018 χ^2/NDF: 267043.2/17

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 100.801+/-0.019 χ^2/NDF:658158.0/23

Out: 102.226+/-0.019 χ^2/NDF:794101.1/28

All: 101.527+/-0.014 χ^2/NDF: 1455021.4/52



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1297.846+/-266.246 χ^2/NDF:27.9/9

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 245.421+/-277.352 χ^2/NDF:5.7/7

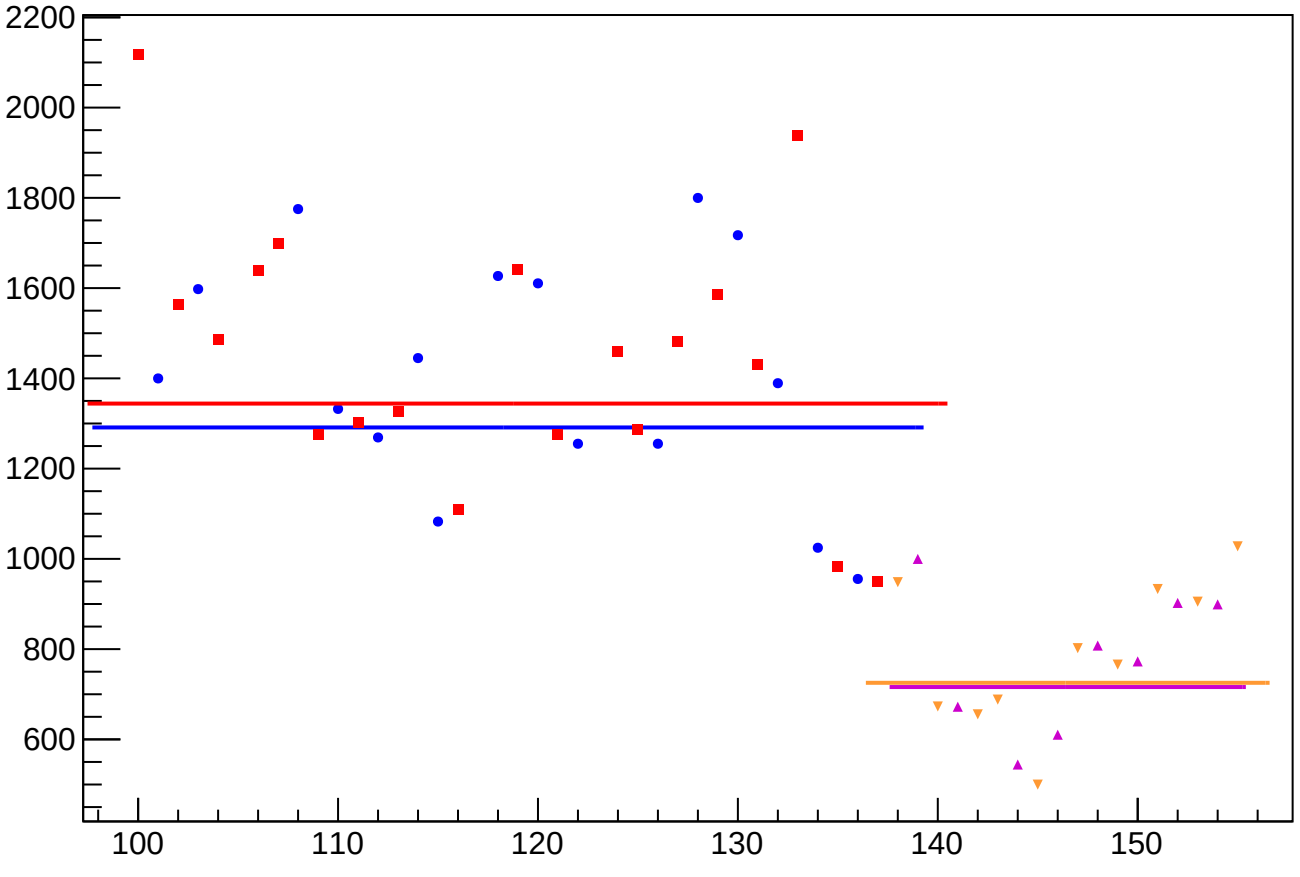
Left: -557.728+/-192.071 χ^2/NDF: 49.7/17

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 15.216+/-241.754 χ^2/NDF:28.7/23

Out: -790.074+/-235.147 χ^2/NDF:56.2/28

All: -398.584+/-168.562 χ^2/NDF: 90.6/52



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 725.395+/-0.188 χ^2/NDF:747550.5/9

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 715.992+/-0.196 χ^2/NDF:547420.9/7

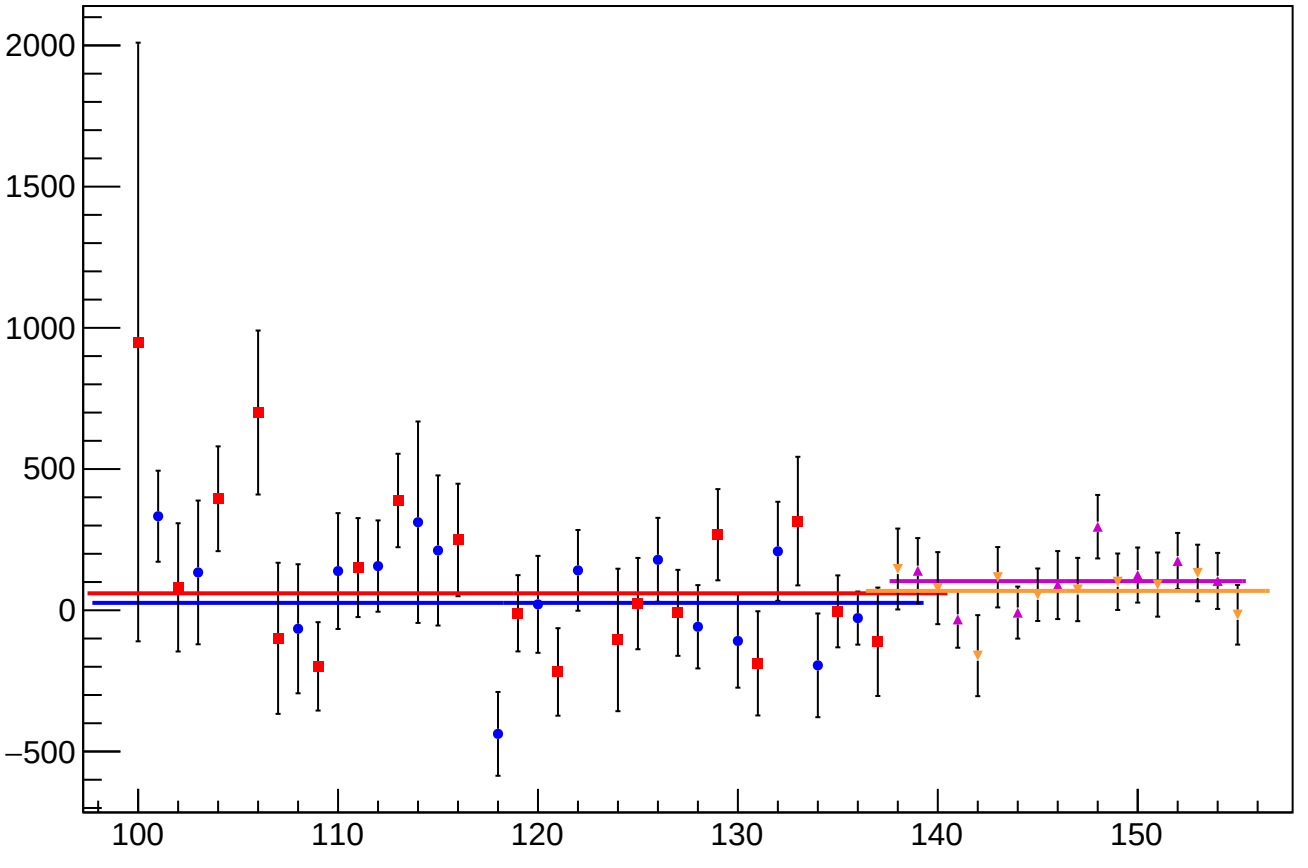
Left: 720.885+/-0.136 χ^2/NDF: 1296167.8/17

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 854.174+/-0.171 χ^2/NDF:3224949.8/23

Out: 861.493+/-0.166 χ^2/NDF:3614329.7/28

All: 857.935+/-0.119 χ^2/NDF: 6840221.4/52



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 68.680+/-35.166 χ^2/NDF:4.3/9

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 103.267+/-36.564 χ^2/NDF:6.9/7

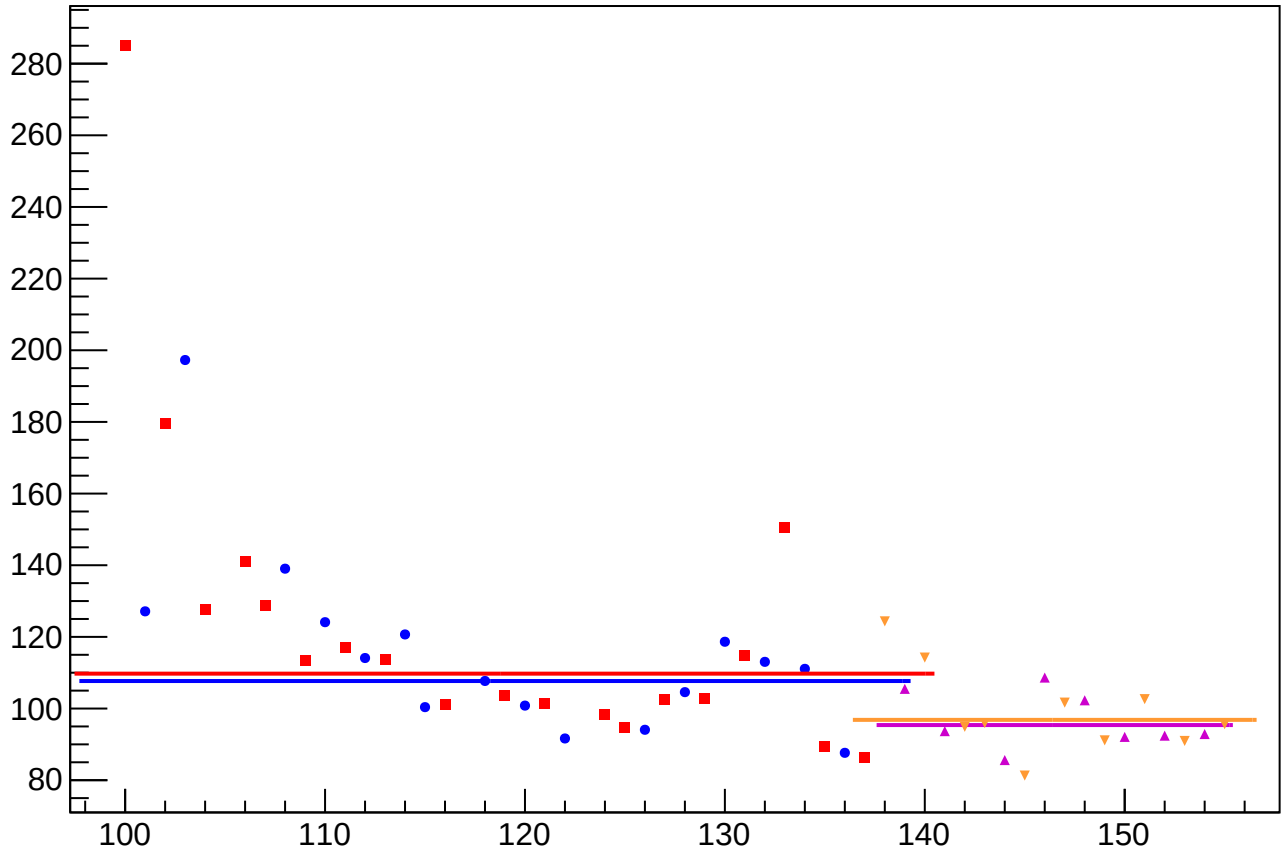
Left: 85.299+/-25.346 χ^2/NDF: 11.6/17

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

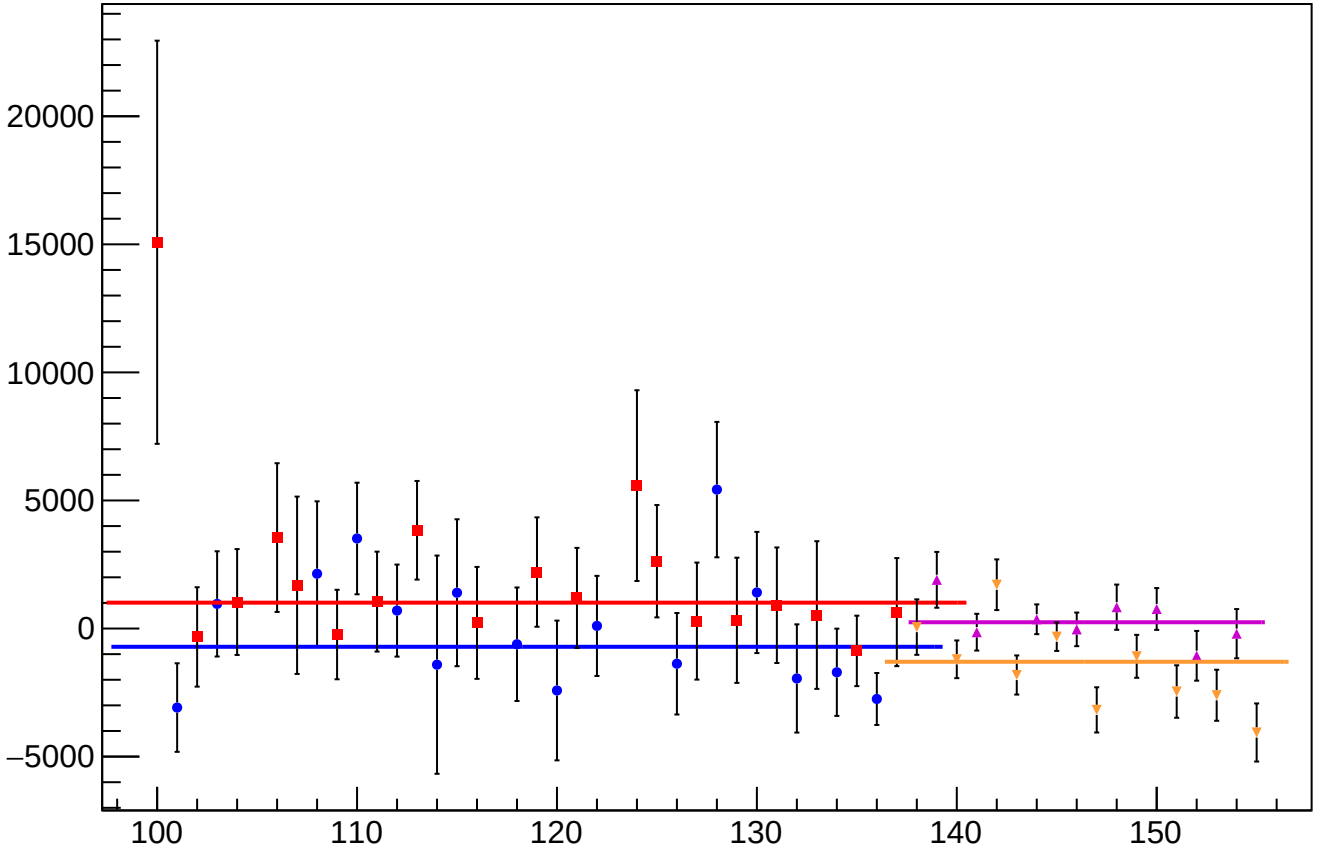
In: 69.352+/-27.353 χ^2/NDF:30.2/23

Out: 65.104+/-26.837 χ^2/NDF:31.3/28

All: 67.187+/-19.156 χ^2/NDF: 61.5/52


eigen_dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected
280
260
240
220
200
180
160
140
120
100
80
100
110
120
130
140
150
Right In: 107.679+/-0.029 χ²/NDF: 483112.2/15
Left Out: 96.838+/-0.025 χ²/NDF:189880.2/9
Right Out: 109.739+/-0.029 χ²/NDF: 491784.5/18
Left In: 95.390+/-0.026 χ²/NDF:75516.8/7
Left: 96.142+/-0.018 χ²/NDF: 267028.0/17
Right: 108.701+/-0.021 χ²/NDF: 977375.0/34
In: 100.801+/-0.019 χ²/NDF:658122.8/23
Out: 102.226+/-0.019 χ²/NDF:794066.7/28
All: 101.527+/-0.014 χ²/NDF: 1454952.1/52

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: -1297.844+/-266.246 χ^2/NDF:27.9/9

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 245.421+/-277.351 χ^2/NDF:5.7/7

Left: -557.728+/-192.070 χ^2/NDF: 49.7/17

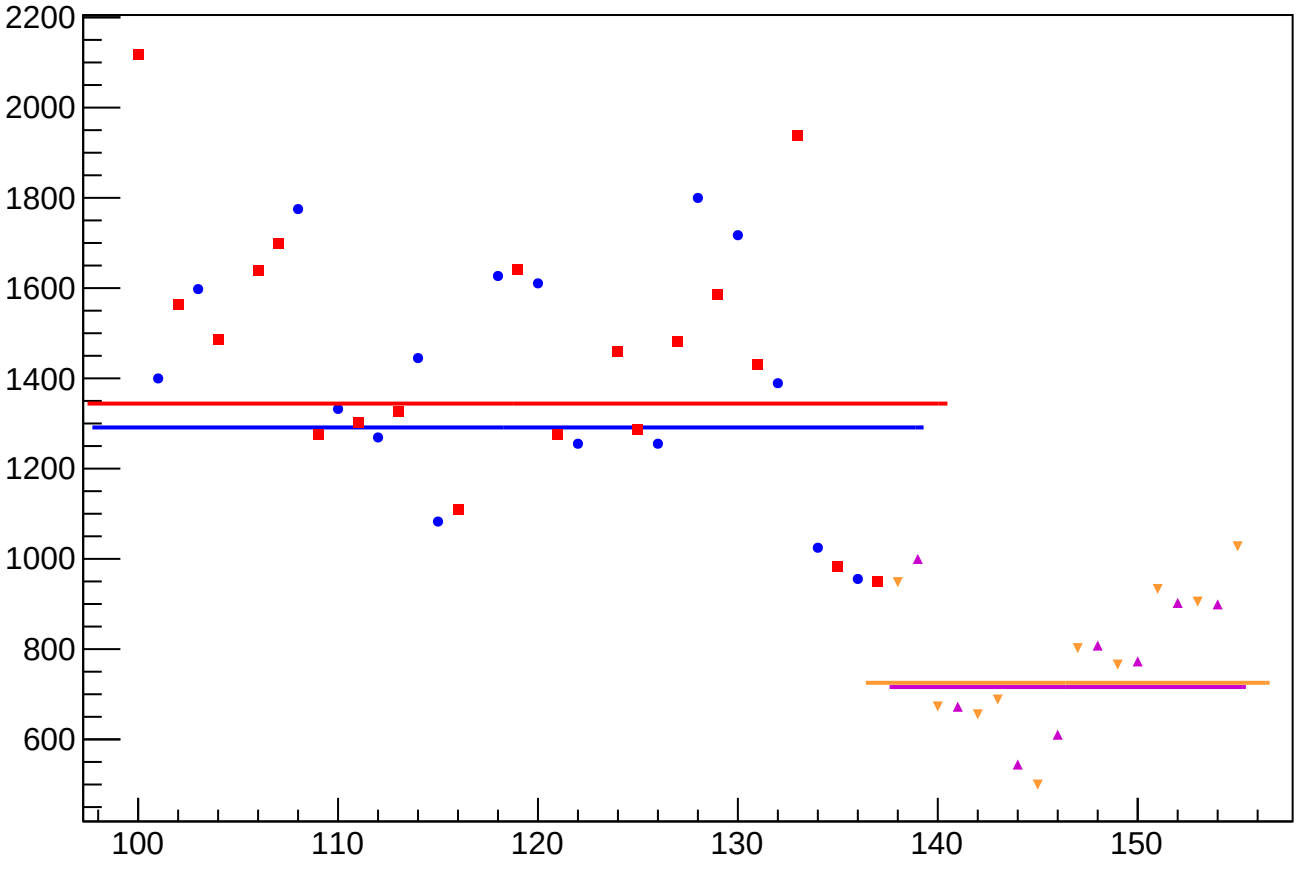
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 15.216+/-241.754 χ^2/NDF:28.7/23

Out: -790.073+/-235.147 χ^2/NDF:56.2/28

All: -398.583+/-168.561 χ^2/NDF: 90.6/52

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: 725.393+/-0.188 χ^2/NDF:747557.6/9

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 715.991+/-0.196 χ^2/NDF:547420.8/7

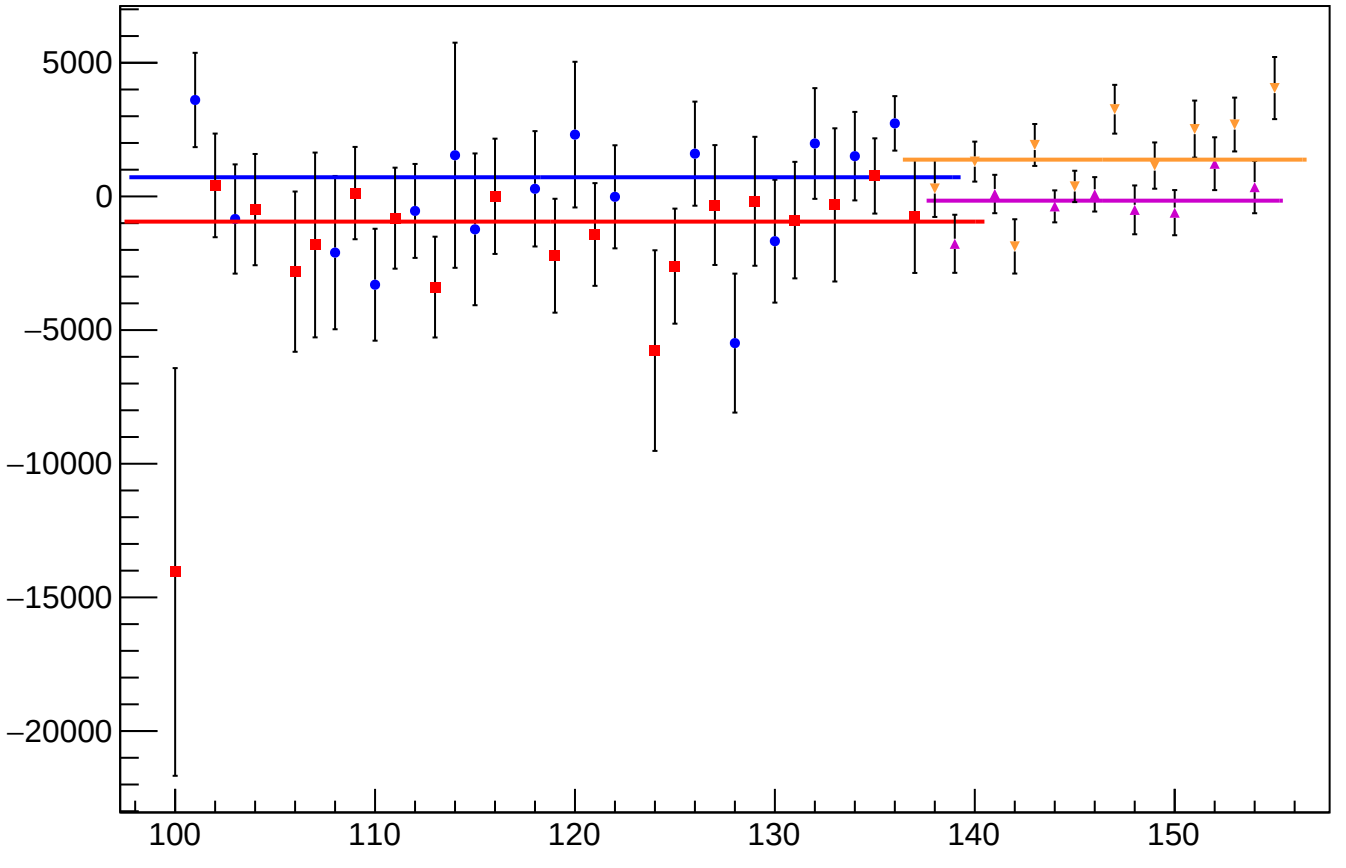
Left: 720.884+/-0.136 χ^2/NDF: 1296174.5/17

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 854.173+/-0.171 χ^2/NDF:3224942.1/23

Out: 861.491+/-0.166 χ^2/NDF:3614335.1/28

All: 857.934+/-0.119 χ^2/NDF: 6840219.0/52



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1376.168+/-274.056 χ^2/NDF:27.1/9

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -158.568+/-281.063 χ^2/NDF:5.2/7

Left: 628.169+/-196.217 χ^2/NDF: 47.7/17

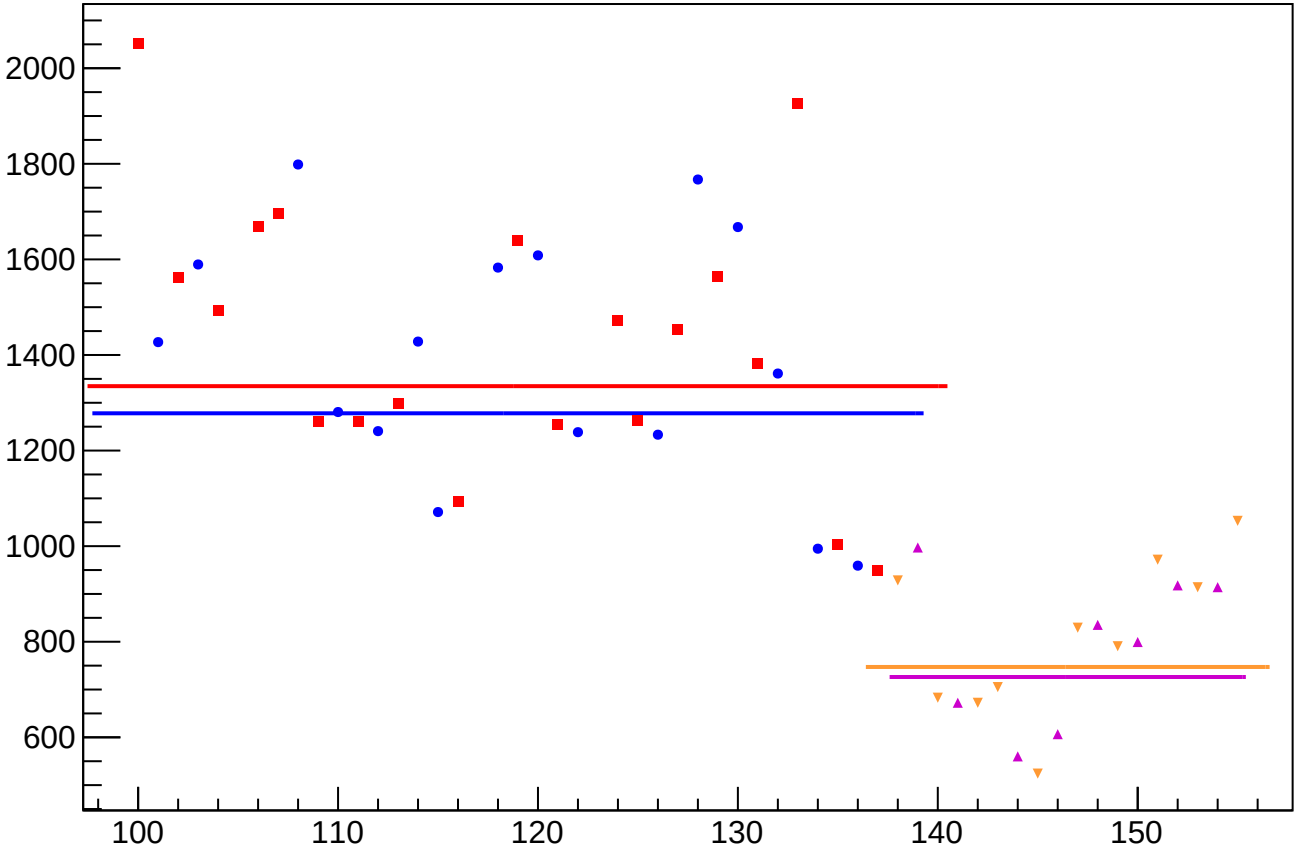
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 59.520+/-243.585 χ^2/NDF:28.6/23

Out: 837.327+/-240.106 χ^2/NDF:54.4/28

All: 454.017+/-170.997 χ^2/NDF: 88.2/52

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 747.214+/-0.194 χ^2/NDF:681840.4/9

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 726.227+/-0.199 χ^2/NDF:551474.9/7

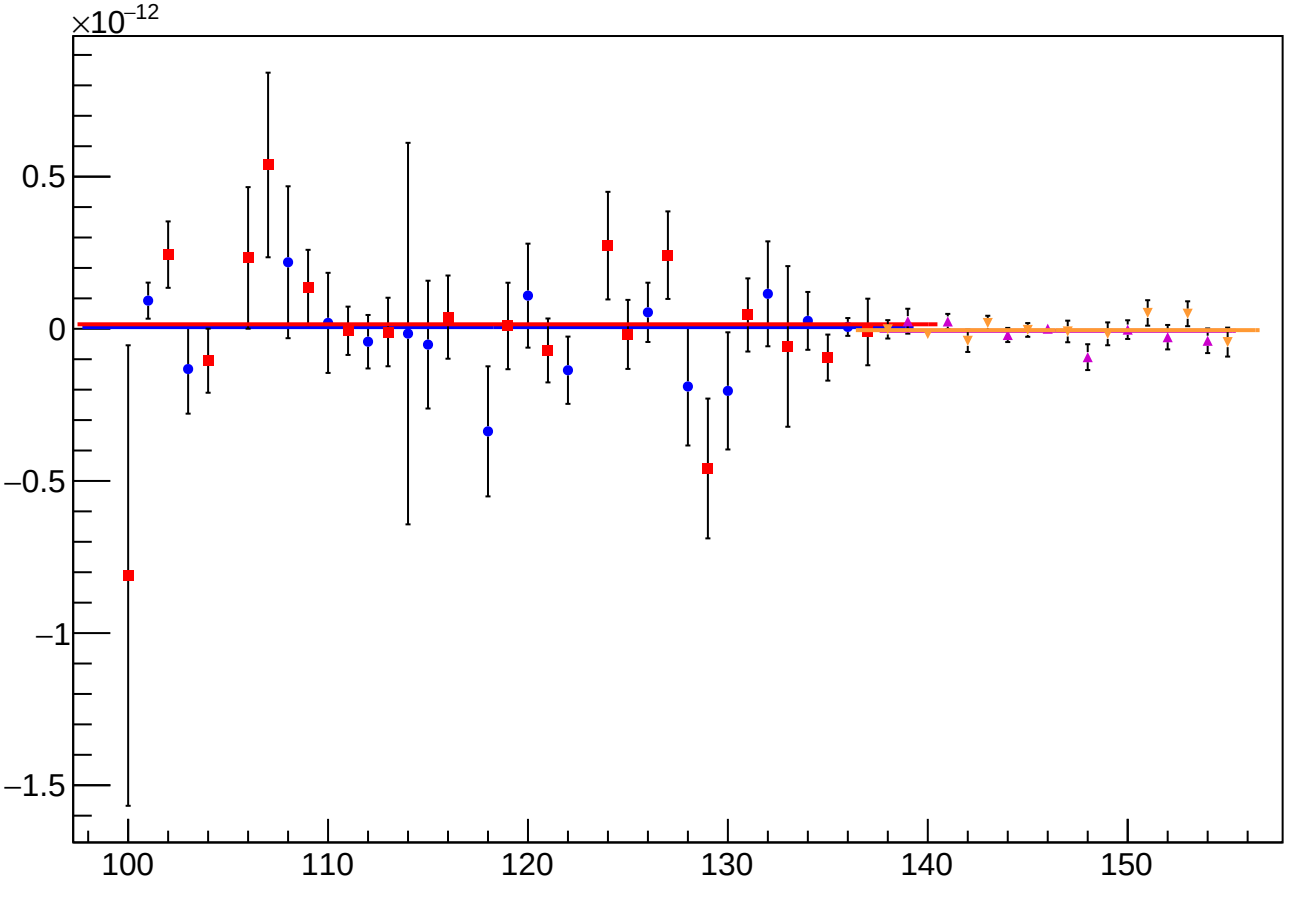
Left: 736.986+/-0.139 χ^2/NDF: 1239031.8/17

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 863.562+/-0.172 χ^2/NDF:3067576.2/23

Out: 883.770+/-0.170 χ^2/NDF:3290297.7/28

All: 873.811+/-0.121 χ^2/NDF: 6364855.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/9

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/7

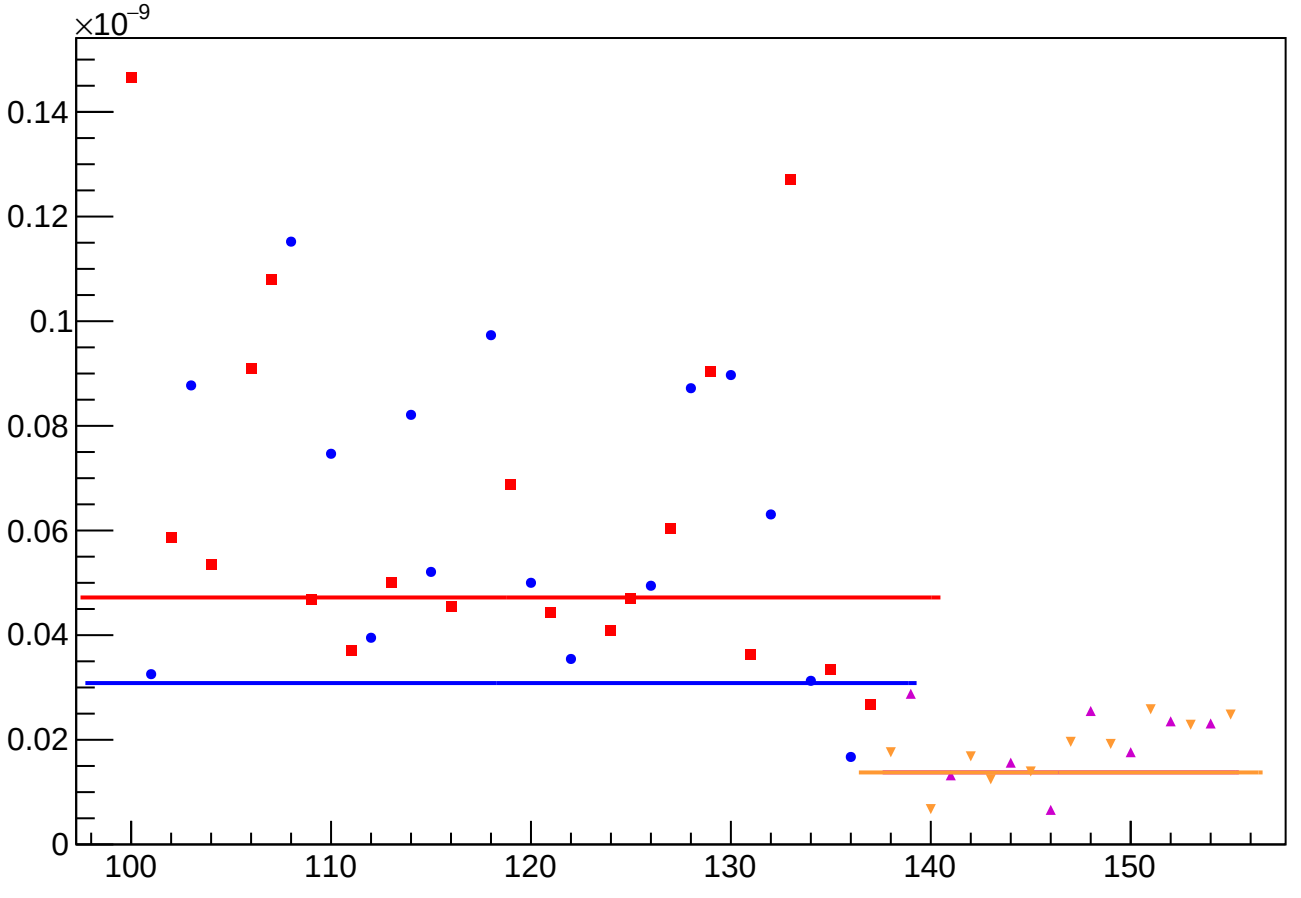
Left: -0.000+/-0.000 χ^2/NDF: 14.8/17

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:19.7/23

Out: -0.000+/-0.000 χ^2/NDF:31.1/28

All: -0.000+/-0.000 χ^2/NDF: 50.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:947165.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1177762.6/7

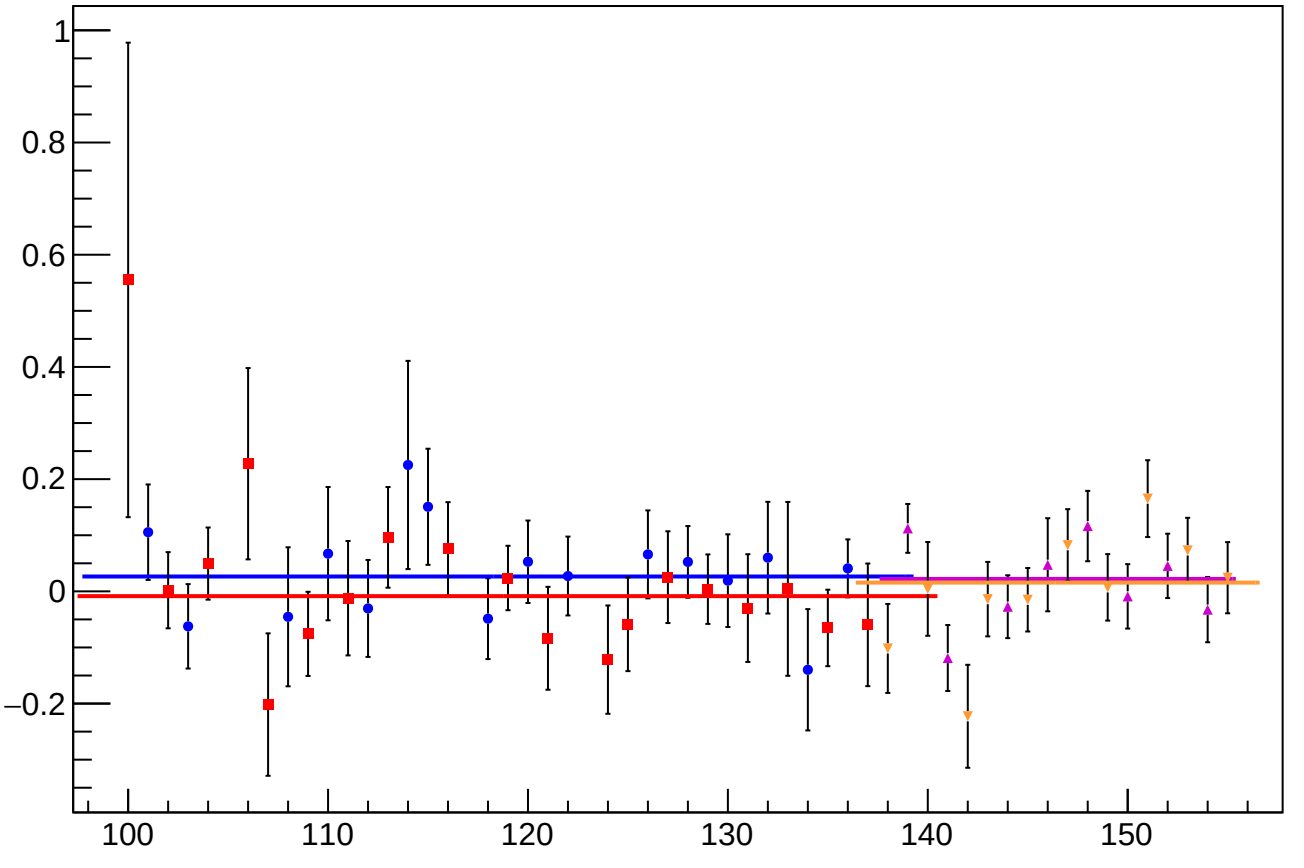
Left: 0.000+/-0.000 χ^2/NDF: 2124930.7/17

Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:4147284.3/23

Out: 0.000+/-0.000 χ^2/NDF:4164713.5/28

All: 0.000+/-0.000 χ^2/NDF: 8312550.3/52



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.016+/-0.021 χ^2/NDF:16.3/9

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.022+/-0.020 χ^2/NDF:14.5/7

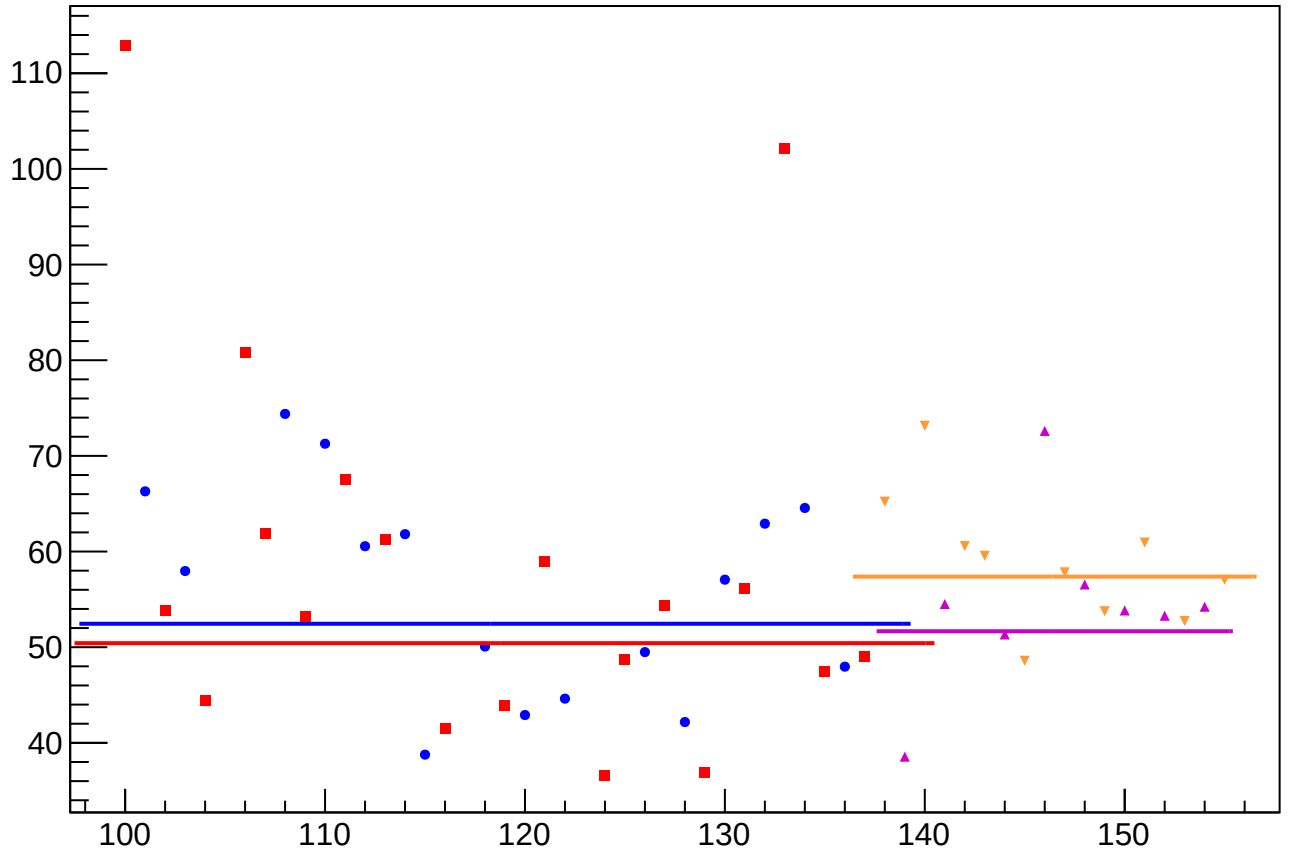
Left: 0.019+/-0.015 χ^2/NDF: 30.9/17

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.014 χ^2/NDF:24.5/23

Out: 0.003+/-0.014 χ^2/NDF:31.0/28

All: 0.013+/-0.010 χ^2/NDF: 56.6/52



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 57.378+/-0.015 χ^2/NDF:169321.5/9

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.669+/-0.014 χ^2/NDF:334029.3/7

Left: 54.406+/-0.010 χ^2/NDF: 579554.3/17

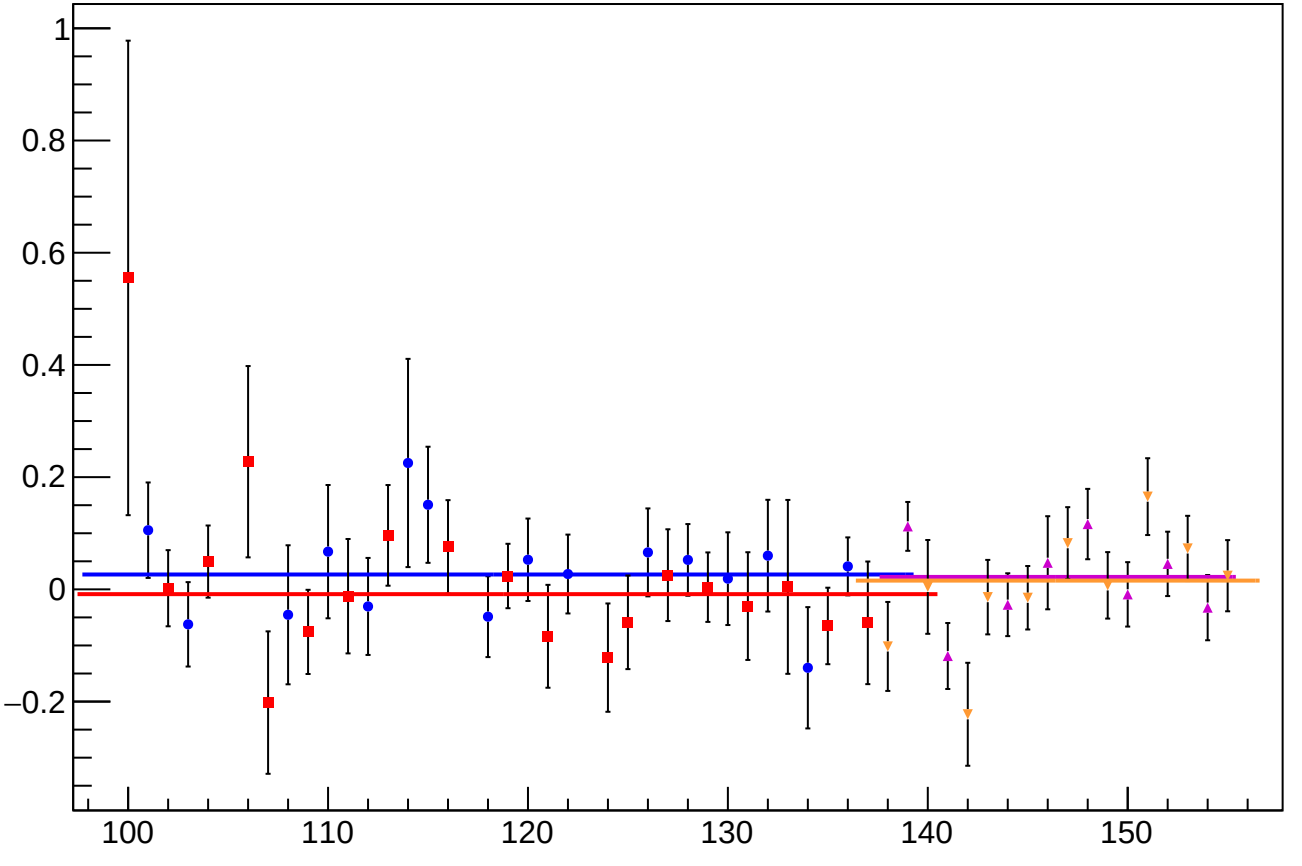
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 52.057+/-0.010 χ^2/NDF:753523.8/23

Out: 53.623+/-0.010 χ^2/NDF:963382.6/28

All: 52.843+/-0.007 χ^2/NDF: 1728821.1/52

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.016+/-0.021 χ^2/NDF:16.3/9

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.022+/-0.020 χ^2/NDF:14.5/7

Left: 0.019+/-0.015 χ^2/NDF: 30.9/17

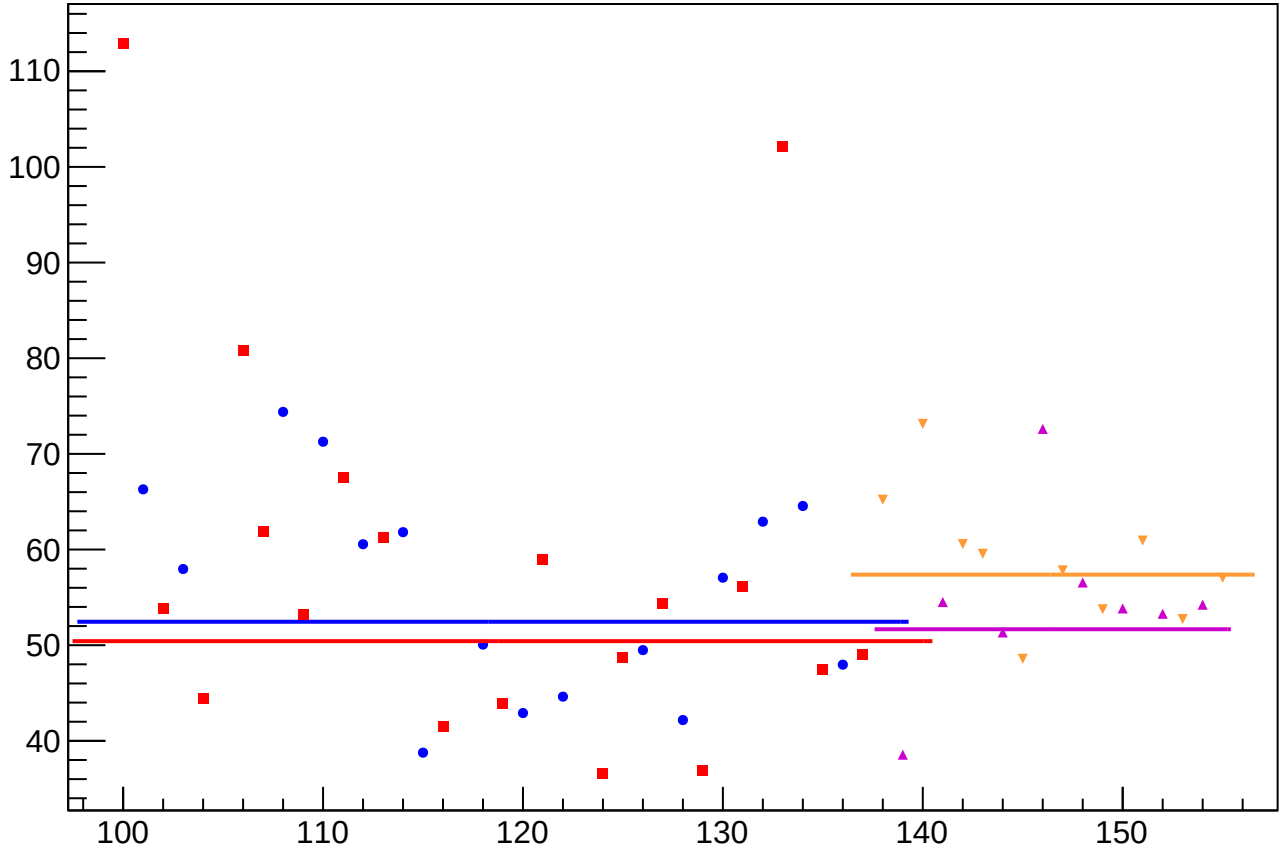
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.014 χ^2/NDF:24.5/23

Out: 0.003+/-0.014 χ^2/NDF:31.0/28

All: 0.013+/-0.010 χ^2/NDF: 56.6/52

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 57.378+/-0.015 χ^2/NDF:169321.5/9

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.669+/-0.014 χ^2/NDF:334029.3/7

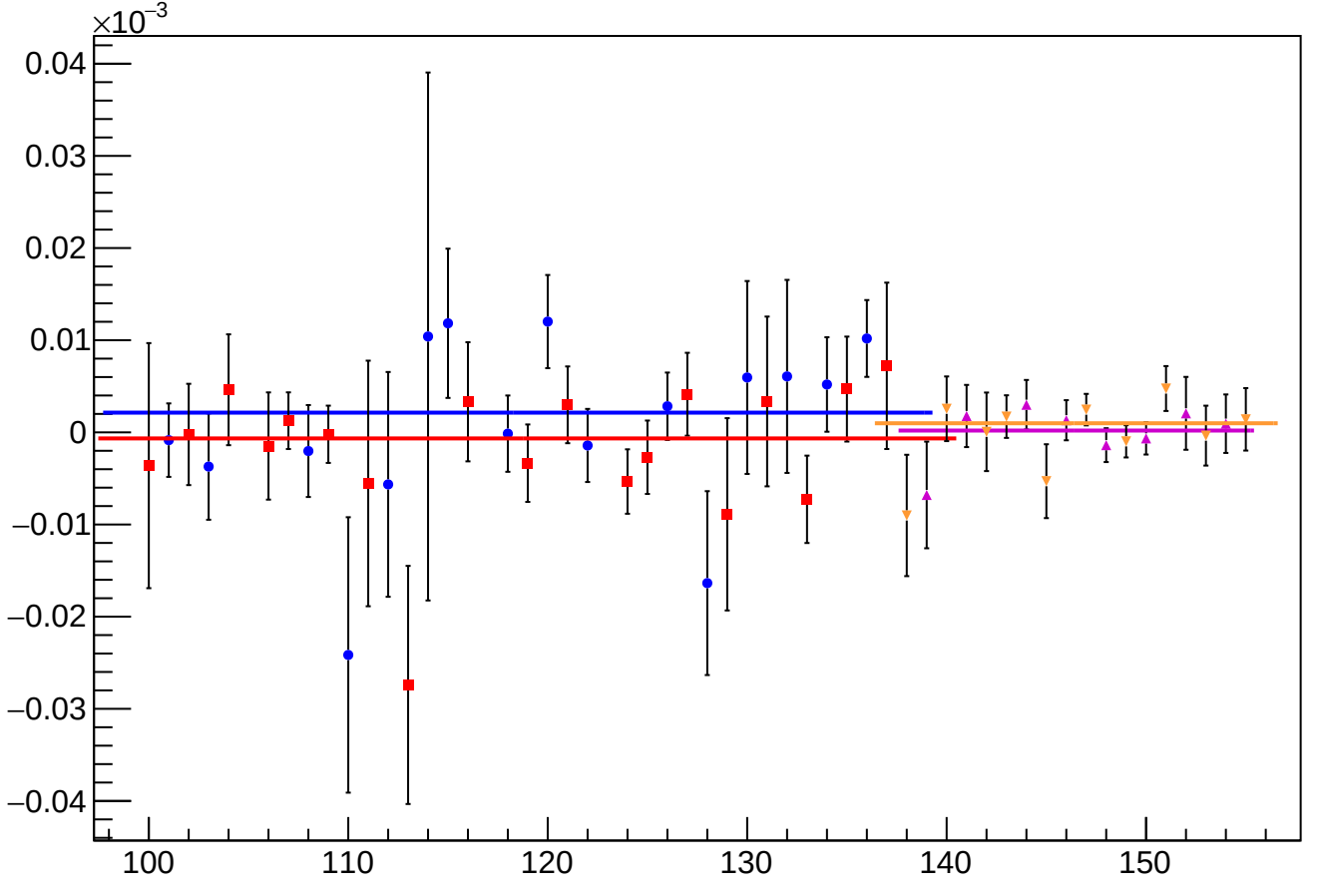
Left: 54.406+/-0.010 χ^2/NDF: 579554.3/17

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 52.057+/-0.010 χ^2/NDF:753523.8/23

Out: 53.623+/-0.010 χ^2/NDF:963382.6/28

All: 52.843+/-0.007 χ^2/NDF: 1728821.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/9

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:4.3/7

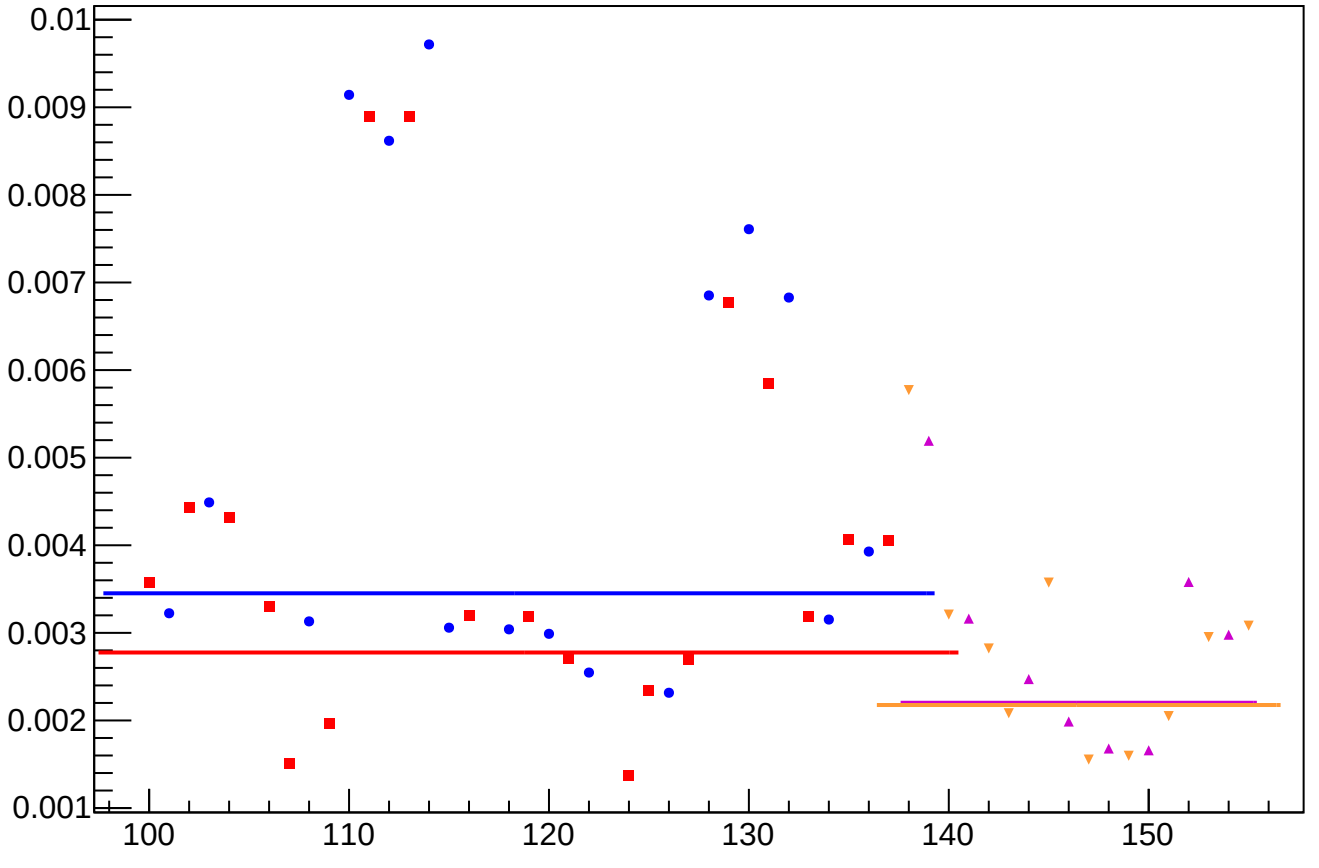
Left: 0.000+/-0.000 χ^2/NDF: 14.4/17

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:25.7/23

Out: 0.000+/-0.000 χ^2/NDF:25.9/28

All: 0.000+/-0.000 χ^2/NDF: 51.7/52



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1809516.7/9

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1452786.6/7

Left: 0.002+/-0.000 χ^2/NDF: 3263177.8/17

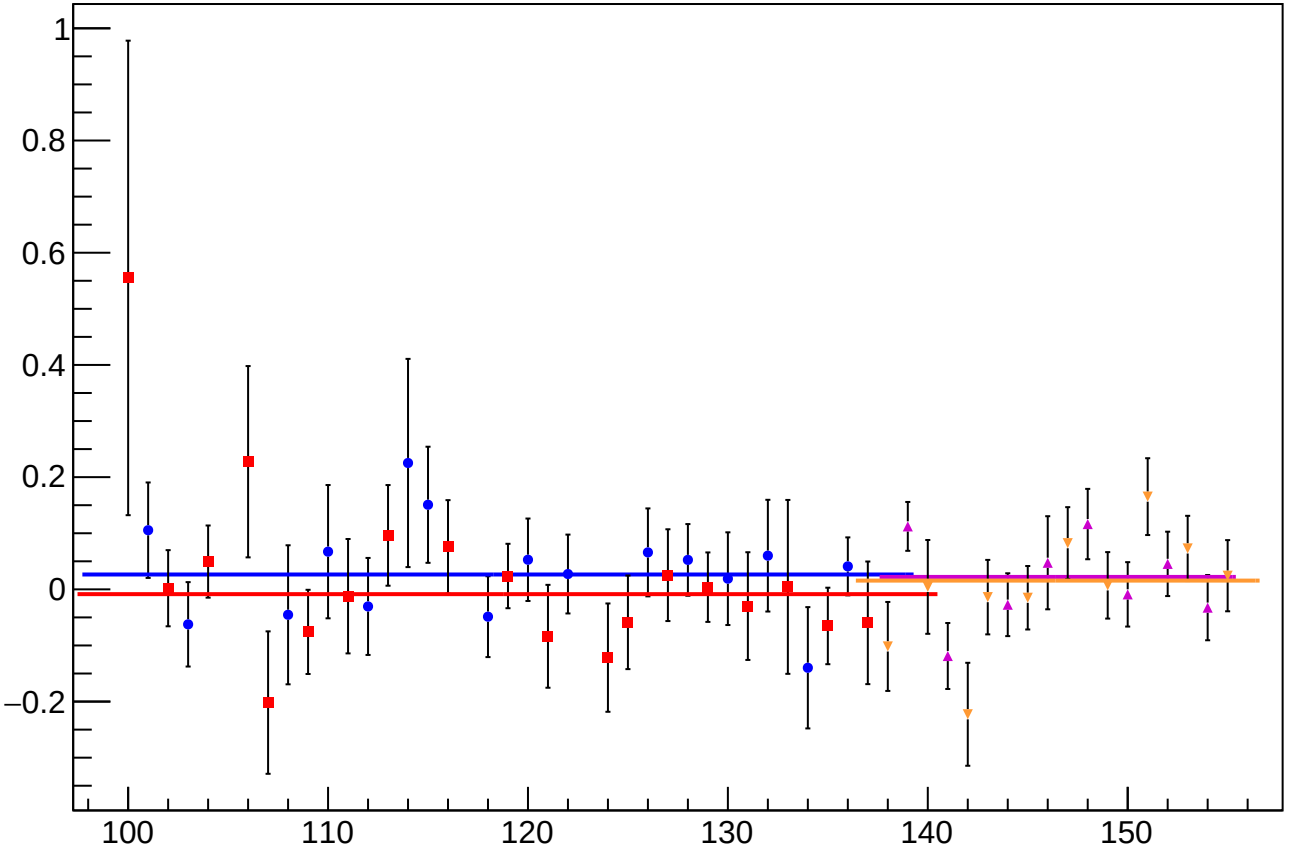
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:4552711.5/23

Out: 0.002+/-0.000 χ^2/NDF:4900417.2/28

All: 0.002+/-0.000 χ^2/NDF: 9520018.2/52

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.016+/-0.021 χ^2/NDF:16.3/9

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.022+/-0.020 χ^2/NDF:14.5/7

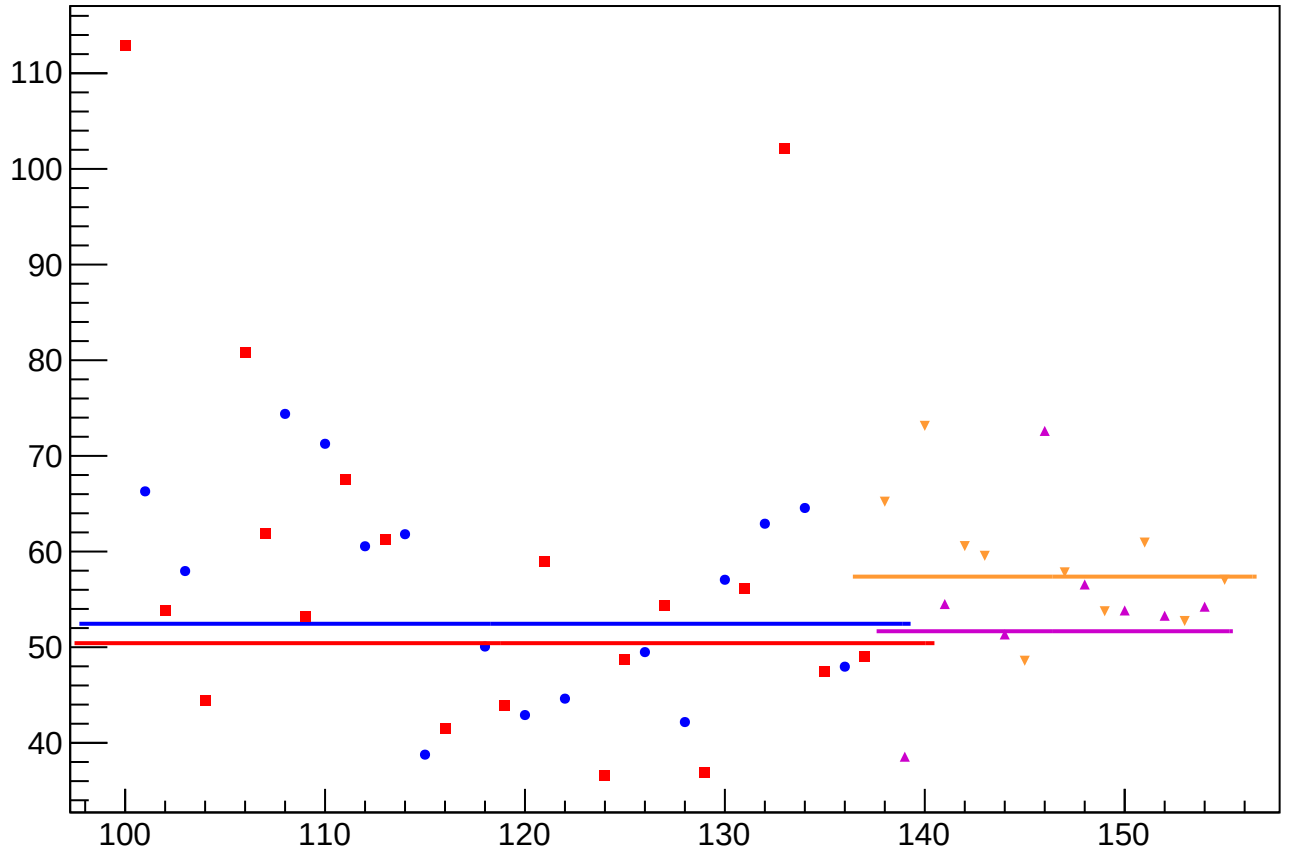
Left: 0.019+/-0.015 χ^2/NDF: 30.9/17

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.014 χ^2/NDF:24.5/23

Out: 0.003+/-0.014 χ^2/NDF:31.0/28

All: 0.013+/-0.010 χ^2/NDF: 56.6/52



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 57.379+/-0.015 χ^2/NDF:169293.8/9

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.669+/-0.014 χ^2/NDF:334079.0/7

Left: 54.407+/-0.010 χ^2/NDF: 579587.5/17

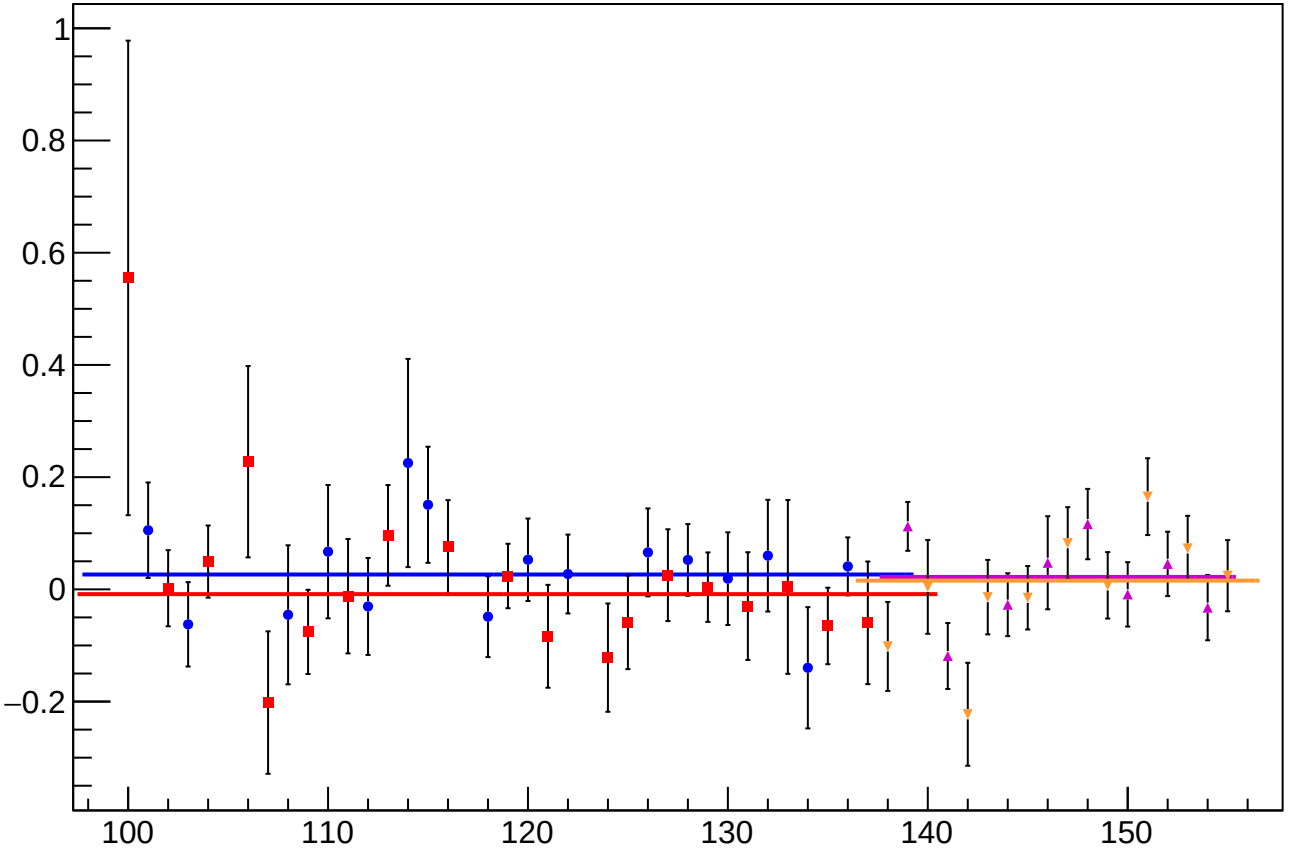
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 52.057+/-0.010 χ^2/NDF:753521.3/23

Out: 53.622+/-0.010 χ^2/NDF:963423.9/28

All: 52.843+/-0.007 χ^2/NDF: 1728860.8/52

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: 0.016+/-0.021 χ^2/NDF:16.3/9

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.022+/-0.020 χ^2/NDF:14.5/7

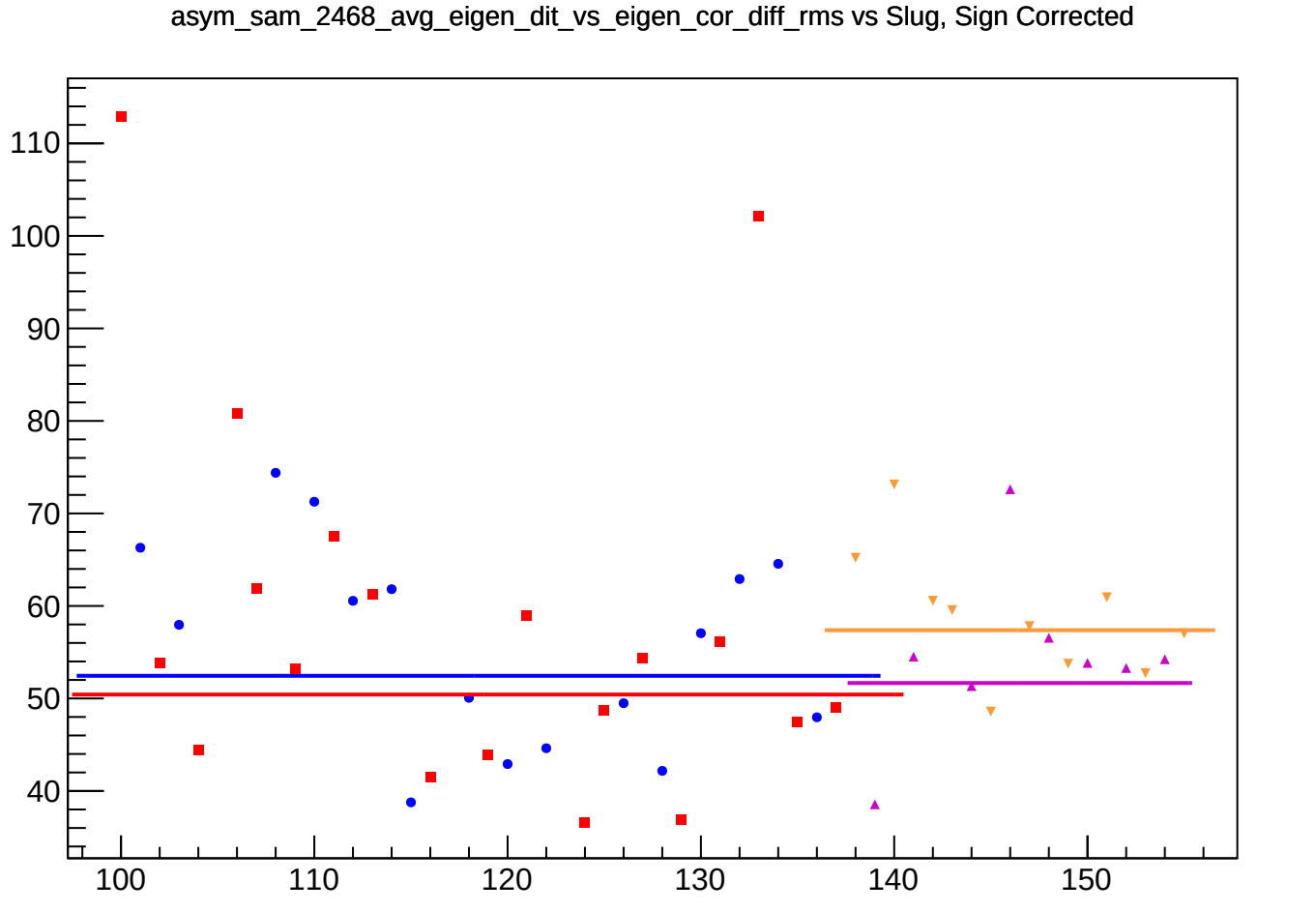
Left: 0.019+/-0.015 χ^2/NDF: 30.9/17

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.024+/-0.014 χ^2/NDF:24.5/23

Out: 0.003+/-0.014 χ^2/NDF:31.0/28

All: 0.013+/-0.010 χ^2/NDF: 56.6/52



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 57.379+/-0.015 χ^2/NDF:169293.8/9

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.669+/-0.014 χ^2/NDF:334079.0/7

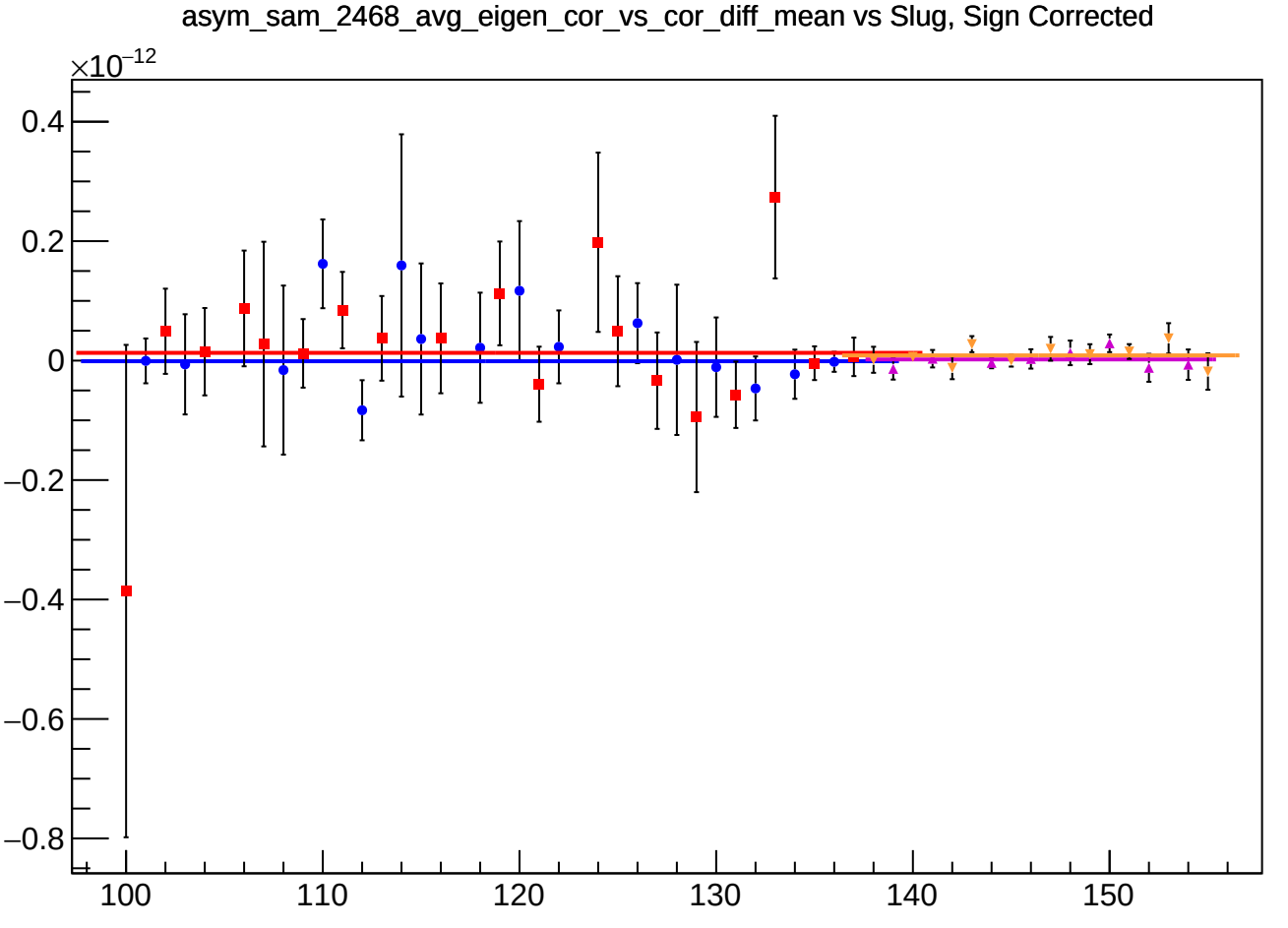
Left: 54.407+/-0.010 χ^2/NDF: 579587.5/17

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 52.057+/-0.010 χ^2/NDF:753521.3/23

Out: 53.622+/-0.010 χ^2/NDF:963423.9/28

All: 52.843+/-0.007 χ^2/NDF: 1728860.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/7

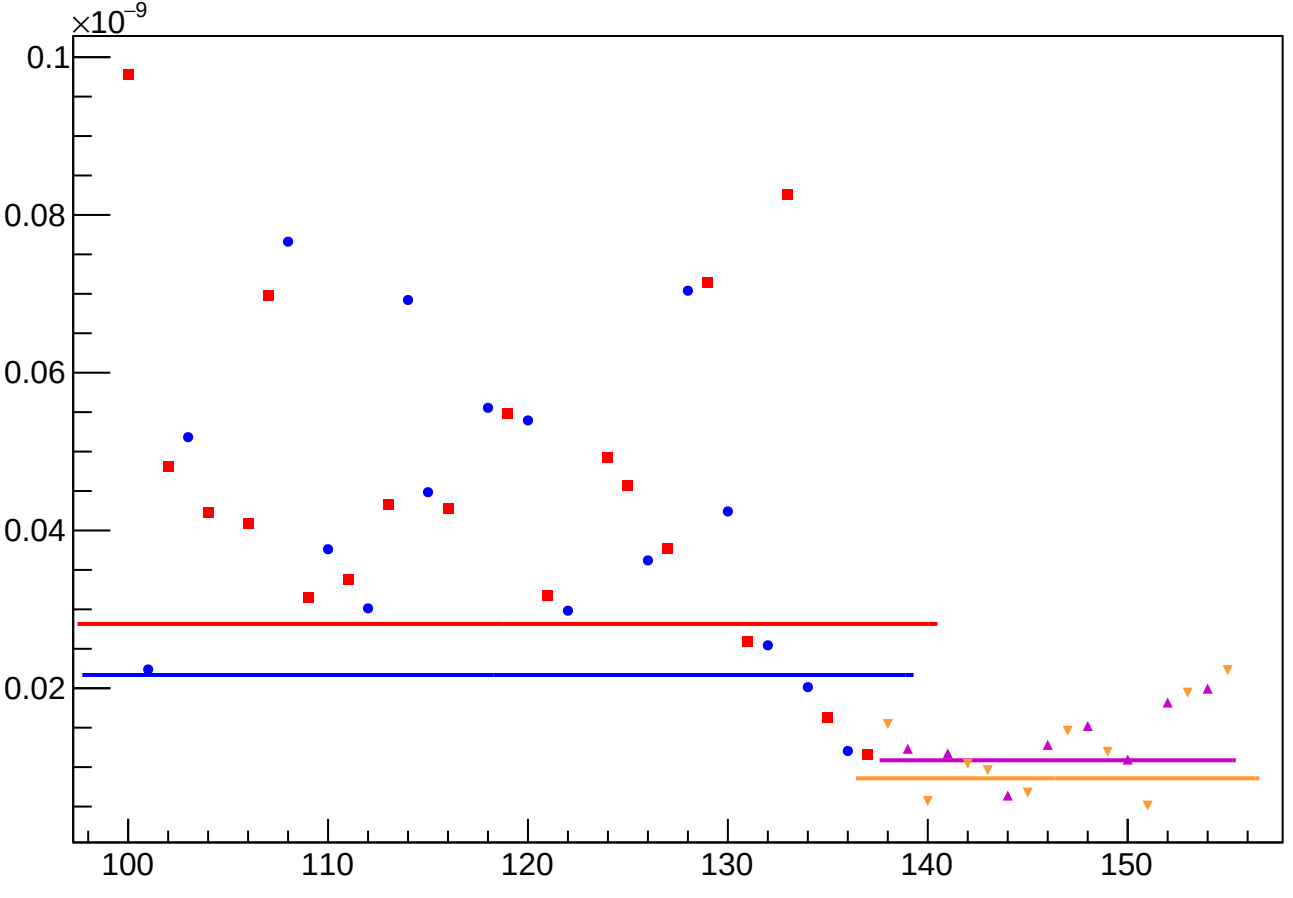
Left: 0.000+/-0.000 χ^2/NDF: 13.0/17

Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:16.6/23

Out: 0.000+/-0.000 χ^2/NDF:20.5/28

All: 0.000+/-0.000 χ^2/NDF: 38.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1735695.1/9

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1074860.0/7

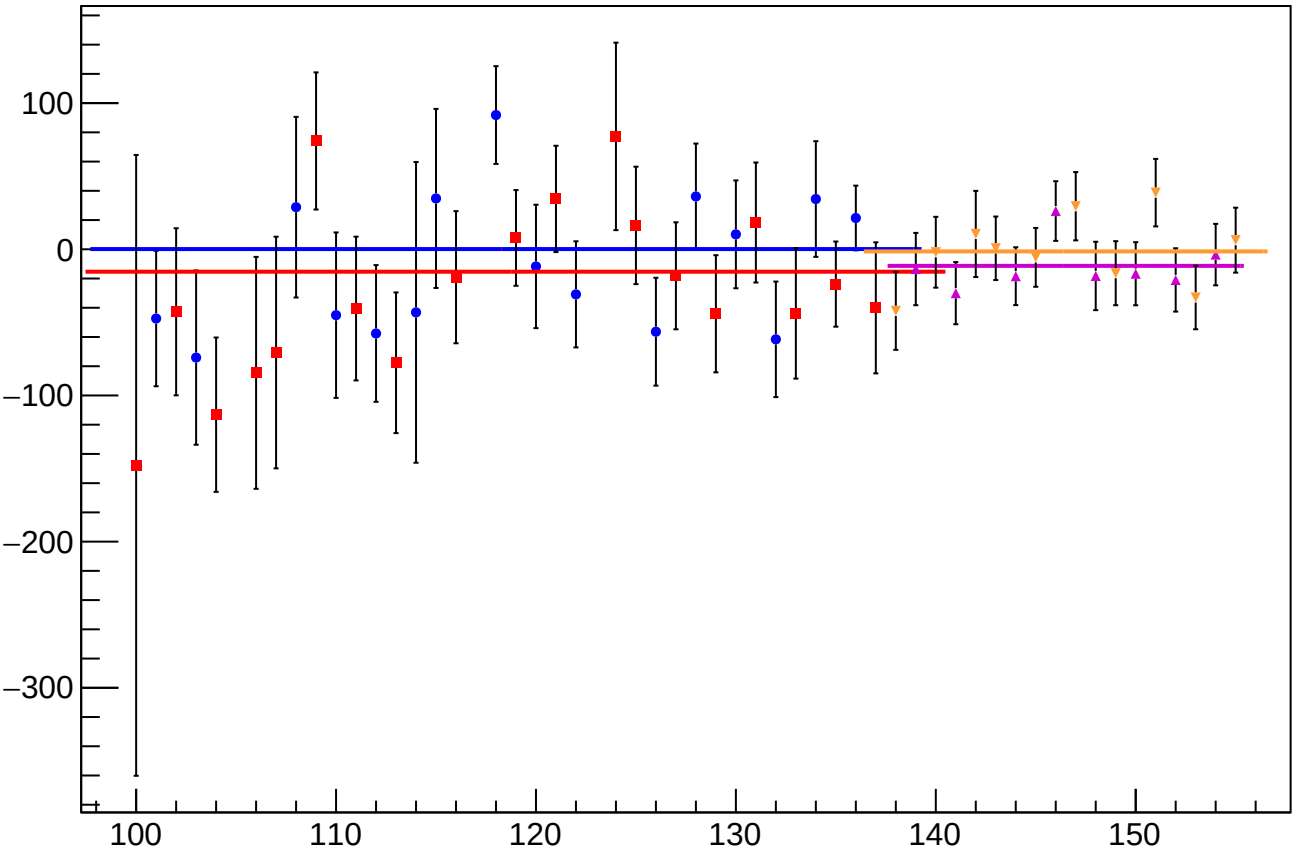
Left: 0.000+/-0.000 χ^2/NDF: 3023017.6/17

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:4949235.4/23

Out: 0.000+/-0.000 χ^2/NDF:7447045.3/28

All: 0.000+/-0.000 χ^2/NDF: 12676963.8/52



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: -1.452+/-7.297 χ^2/NDF:10.0/9

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -11.342+/-7.632 χ^2/NDF:4.8/7

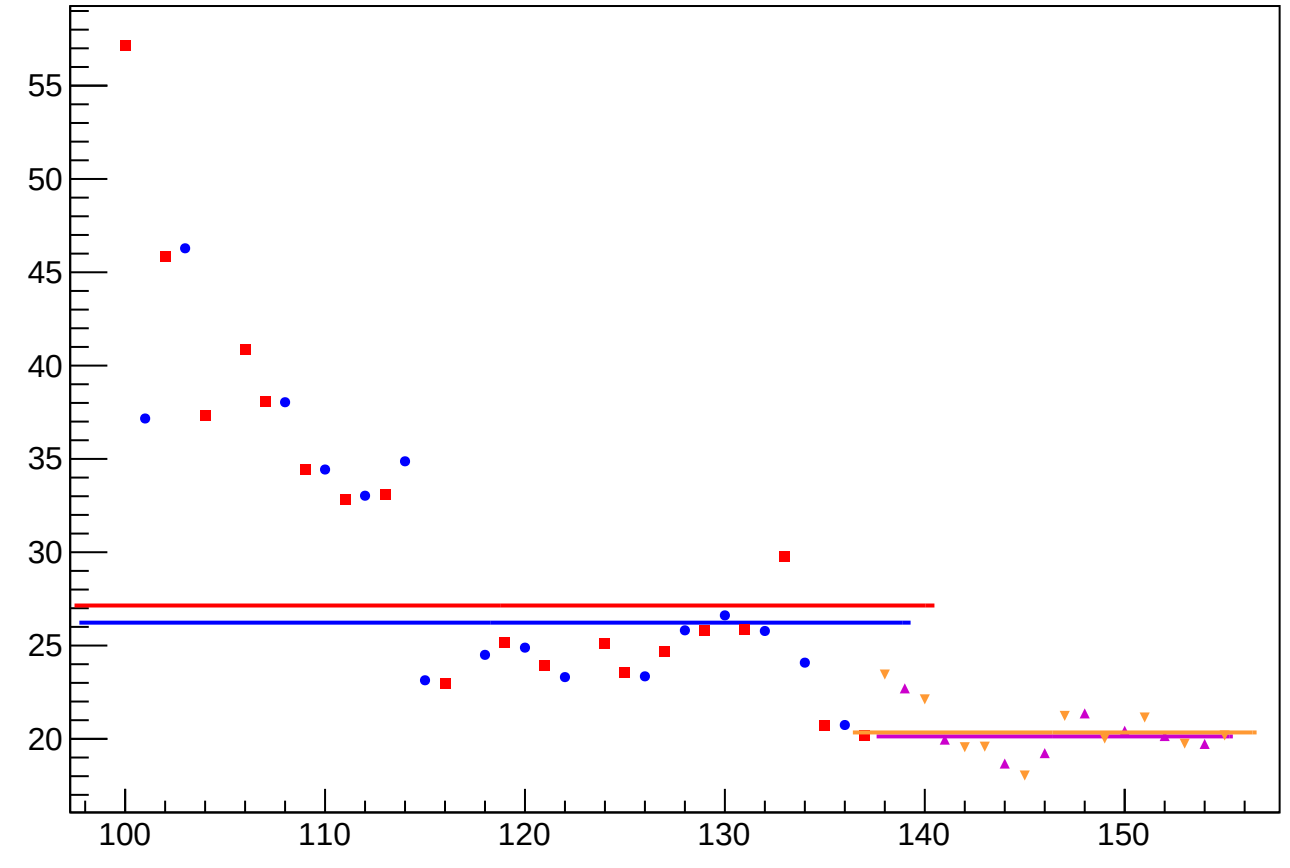
Left: -6.174+/-5.274 χ^2/NDF: 15.7/17

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -7.135+/-6.078 χ^2/NDF:26.9/23

Out: -6.110+/-5.948 χ^2/NDF:29.2/28

All: -6.612+/-4.251 χ^2/NDF: 56.1/52



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.344+/-0.005 χ^2/NDF:75330.1/9

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.132+/-0.005 χ^2/NDF:43132.5/7

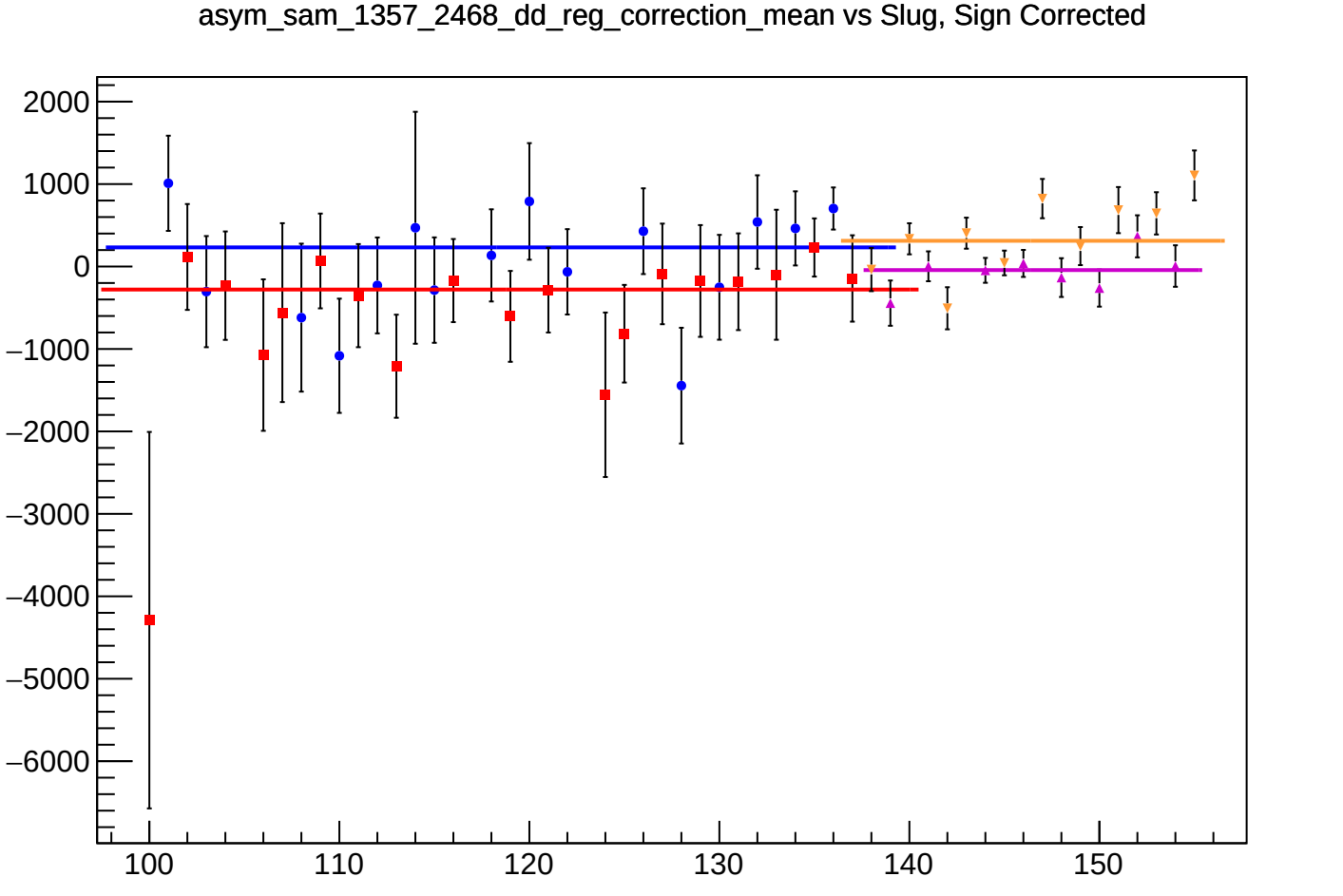
Left: 20.243+/-0.004 χ^2/NDF: 119264.1/17

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 22.362+/-0.004 χ^2/NDF:1185790.8/23

Out: 22.626+/-0.004 χ^2/NDF:1413973.5/28

All: 22.497+/-0.003 χ^2/NDF: 2601690.4/52



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 311.908+/-69.647 χ^2/NDF:30.5/9

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -43.008+/-71.824 χ^2/NDF:6.1/7

Left: 139.911+/-50.000 χ^2/NDF: 49.3/17

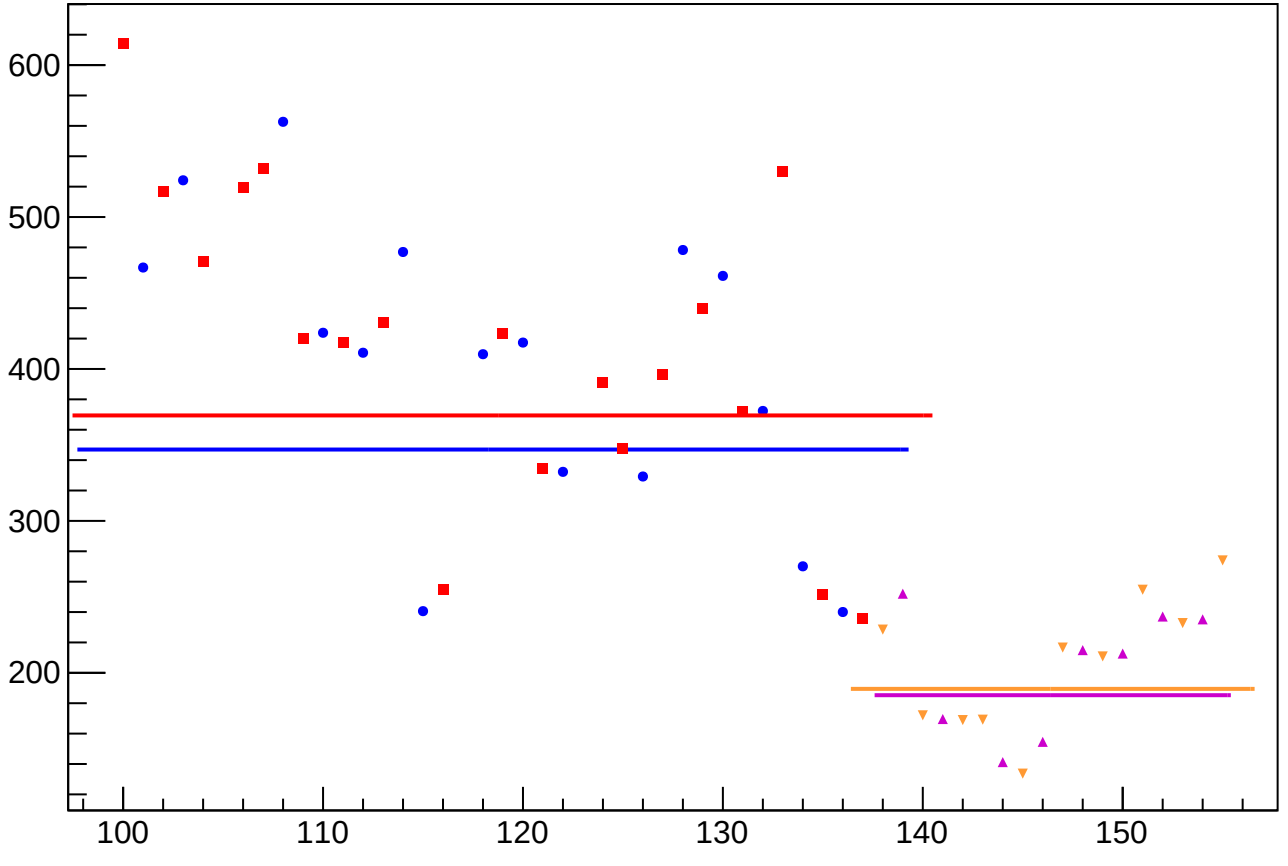
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 17.772+/-63.395 χ^2/NDF:29.0/23

Out: 194.625+/-62.354 χ^2/NDF:56.9/28

All: 107.663+/-44.454 χ^2/NDF: 89.9/52

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: 189.444+/-0.049 χ^2/NDF:740353.0/9

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 185.279+/-0.051 χ^2/NDF:596493.7/7

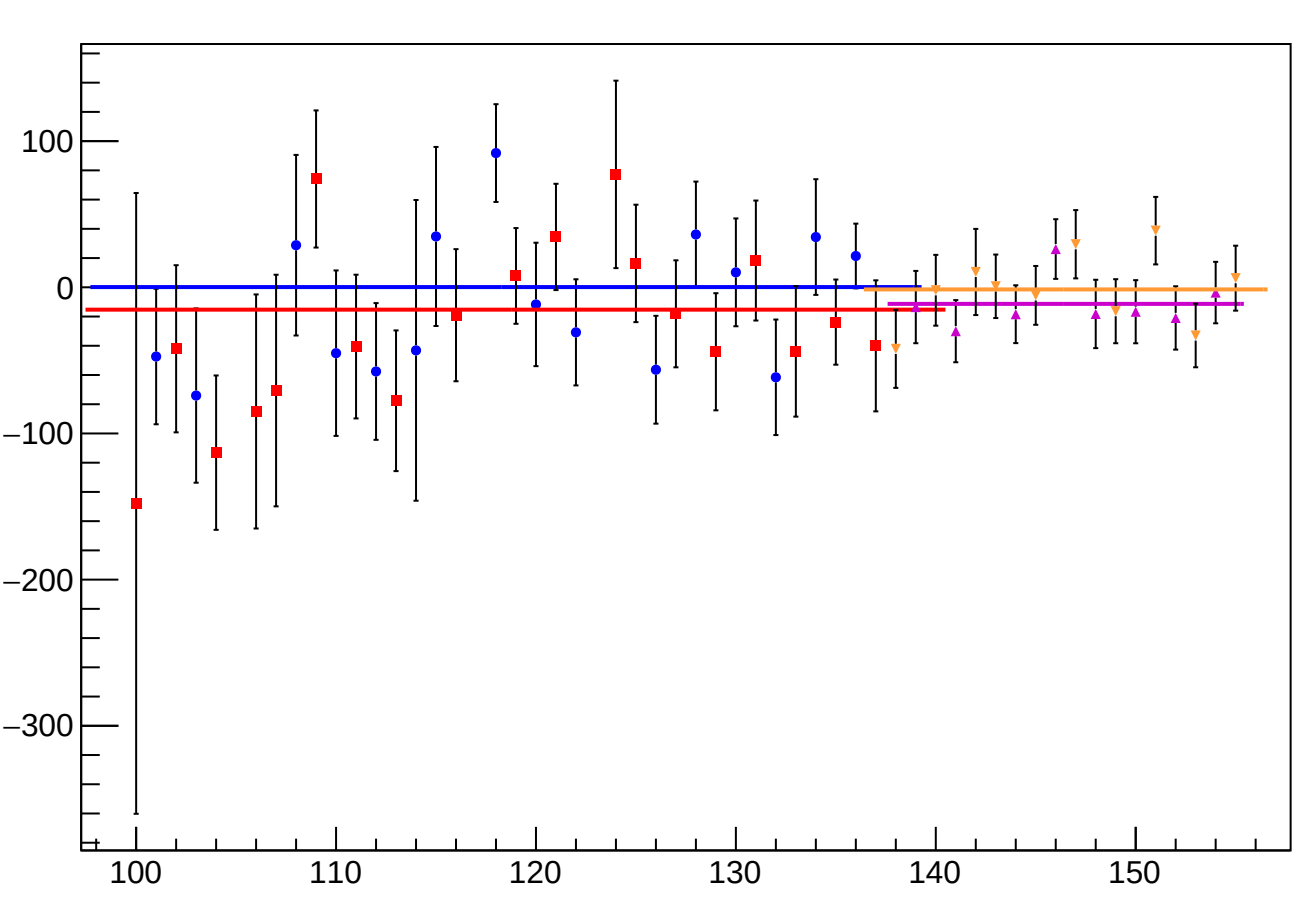
Left: 187.426+/-0.035 χ^2/NDF: 1340313.3/17

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 221.003+/-0.045 χ^2/NDF:3893916.5/23

Out: 225.161+/-0.044 χ^2/NDF:4309495.8/28

All: 223.117+/-0.031 χ^2/NDF: 8207786.2/52



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -1.454+/-7.297 χ^2/NDF:10.0/9

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -11.342+/-7.632 χ^2/NDF:4.8/7

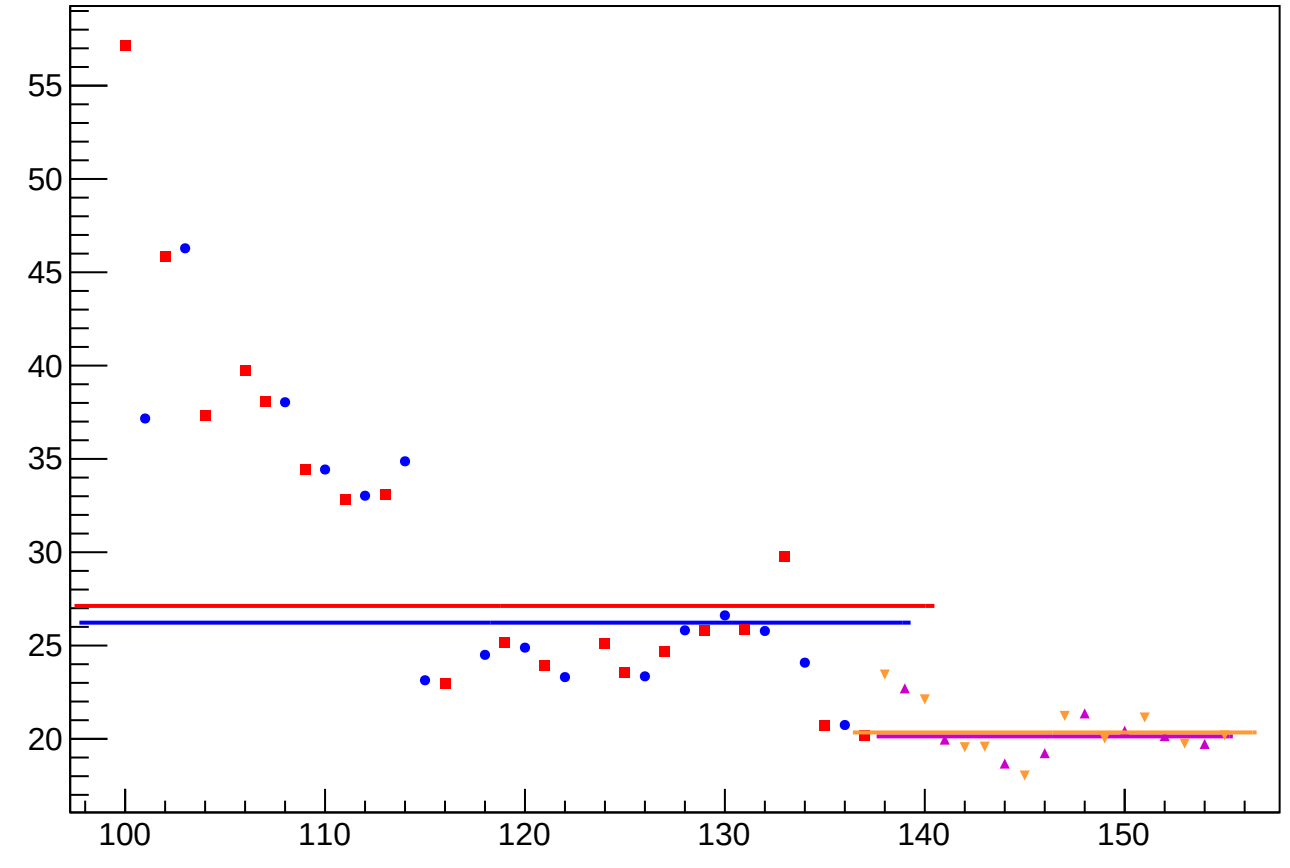
Left: -6.176+/-5.274 χ^2/NDF: 15.7/17

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -7.135+/-6.078 χ^2/NDF:26.9/23

Out: -6.097+/-5.948 χ^2/NDF:29.1/28

All: -6.605+/-4.251 χ^2/NDF: 56.1/52



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.344+/-0.005 χ^2/NDF:75330.1/9

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.132+/-0.005 χ^2/NDF:43132.5/7

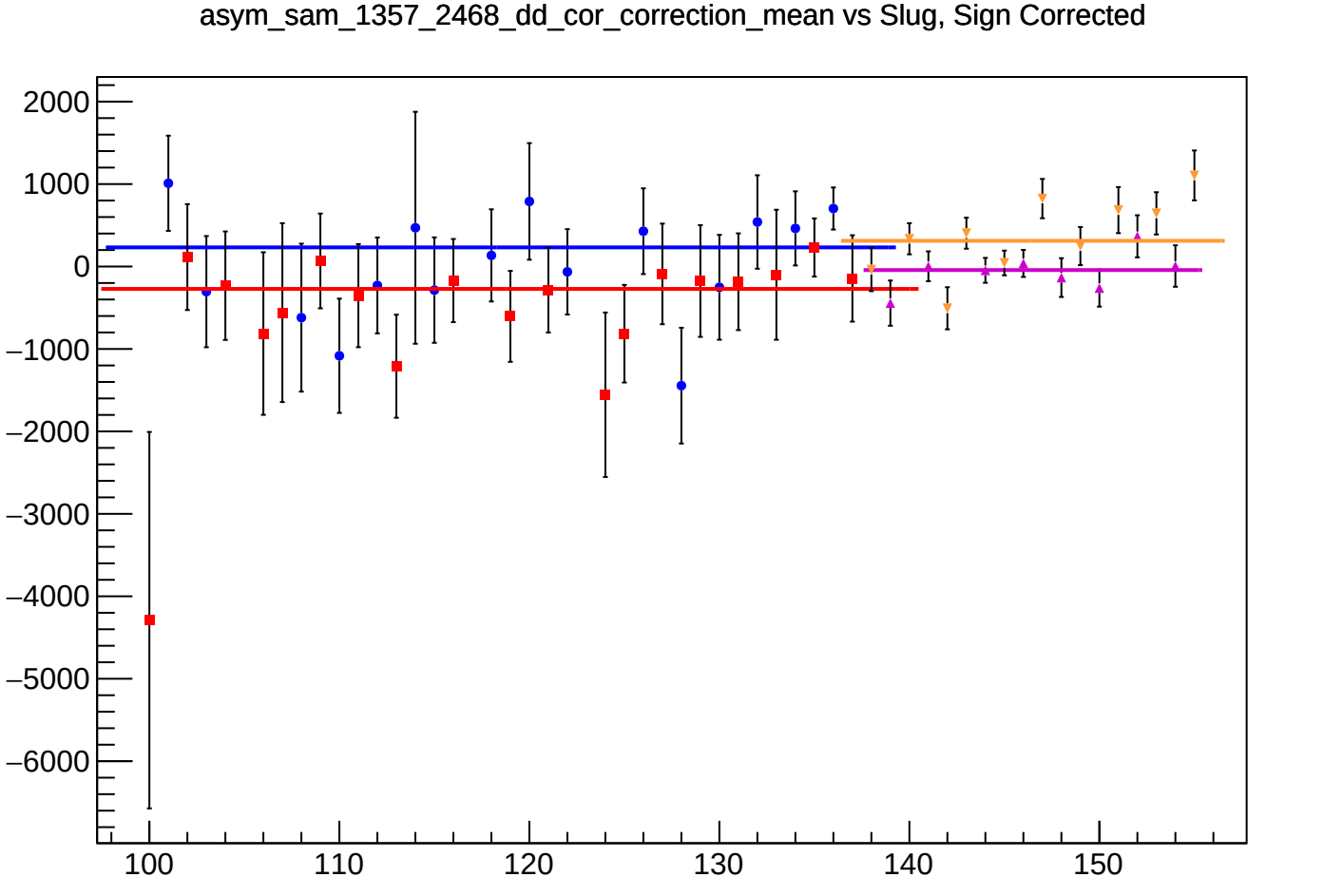
Left: 20.243+/-0.004 χ^2/NDF: 119264.1/17

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

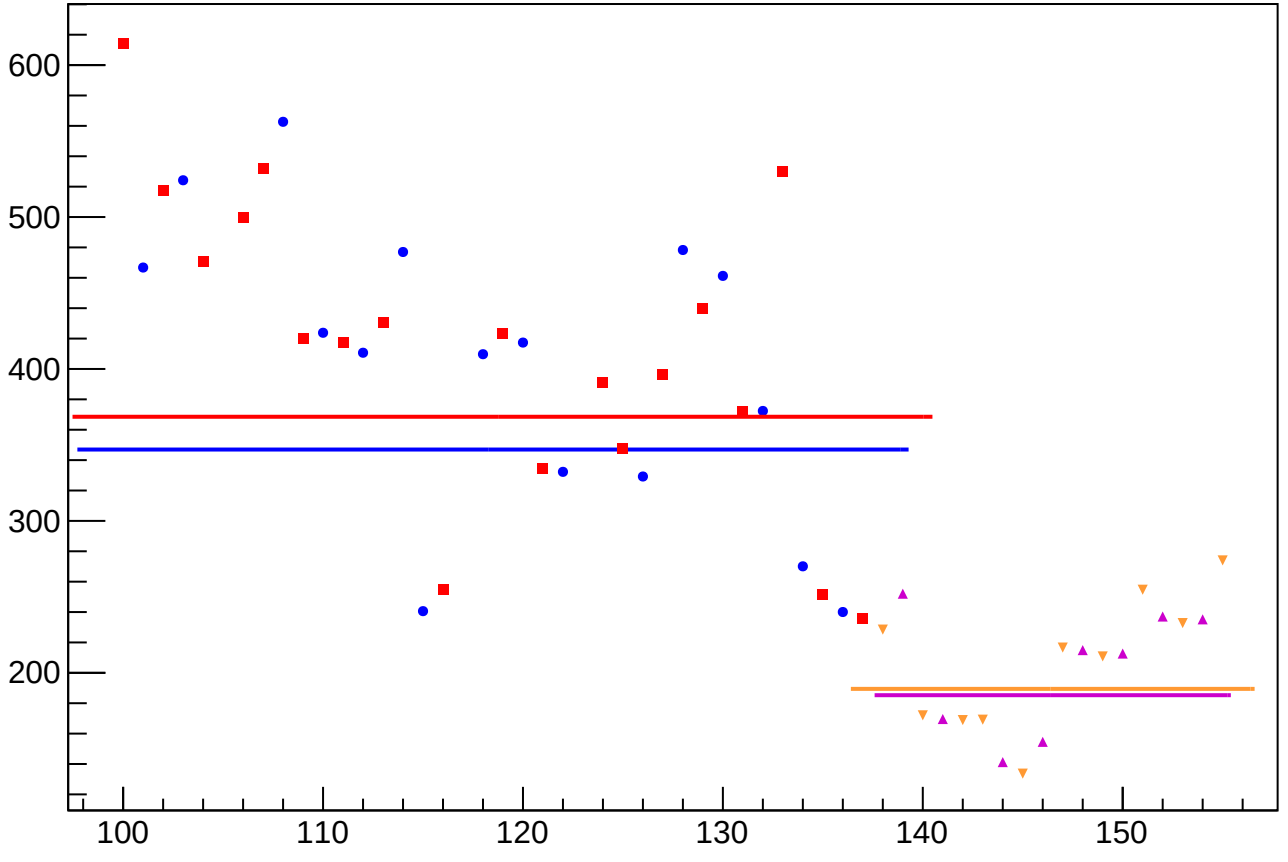
In: 22.362+/-0.004 χ^2/NDF:1185794.1/23

Out: 22.618+/-0.004 χ^2/NDF:1400349.4/28

All: 22.493+/-0.003 χ^2/NDF: 2587956.5/52


asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 311.906+/-69.647 χ²/NDF:30.5/9
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -43.010+/-71.824 χ²/NDF:6.1/7
Left: 139.910+/-50.000 χ²/NDF: 49.3/17
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: 17.770+/-63.395 χ²/NDF:29.0/23
Out: 196.426+/-62.373 χ²/NDF:56.1/28
All: 108.550+/-44.461 χ²/NDF: 89.1/52

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: 189.444+/-0.049 χ^2/NDF:740356.2/9

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 185.279+/-0.051 χ^2/NDF:596491.7/7

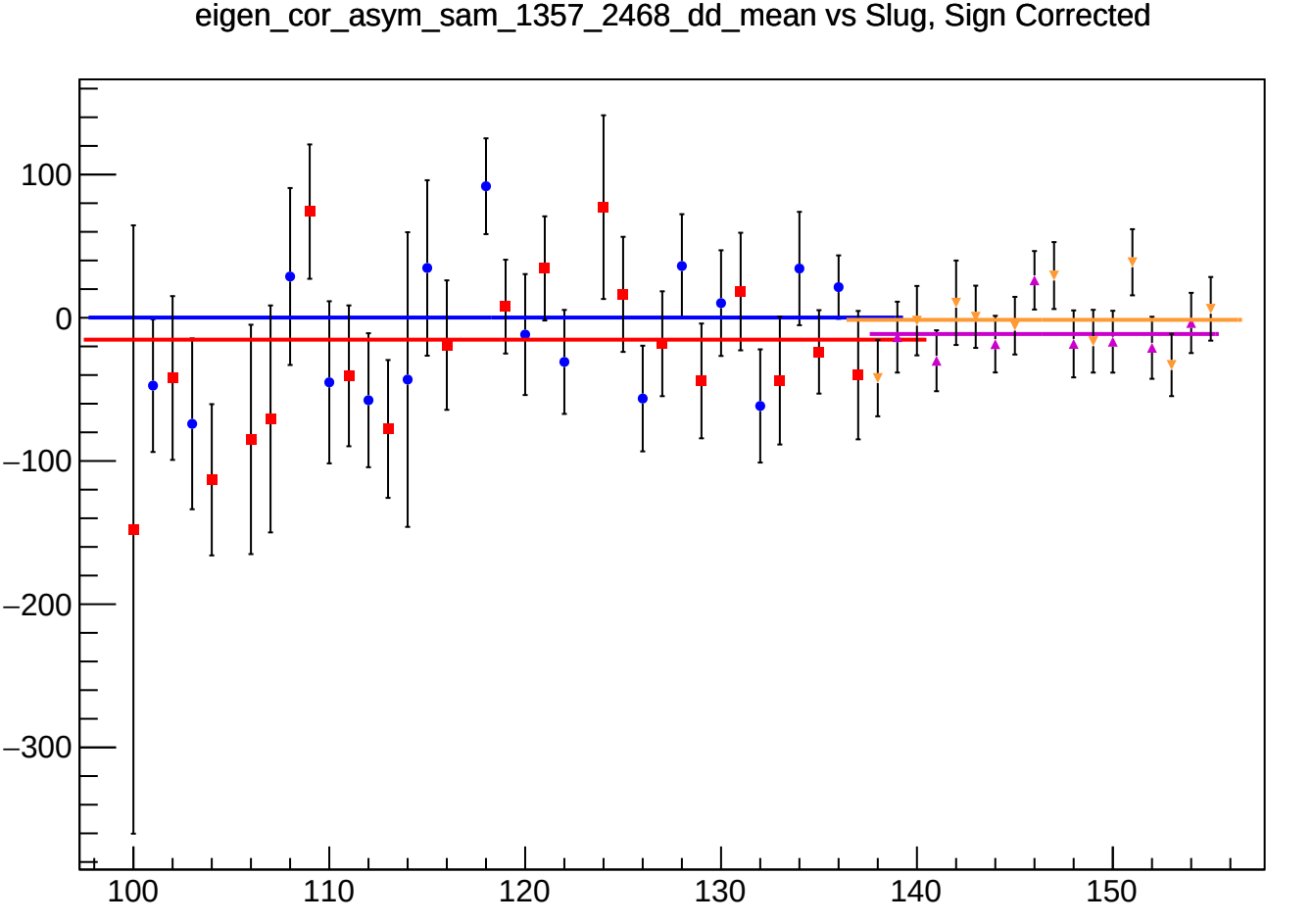
Left: 187.426+/-0.035 χ^2/NDF: 1340314.0/17

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

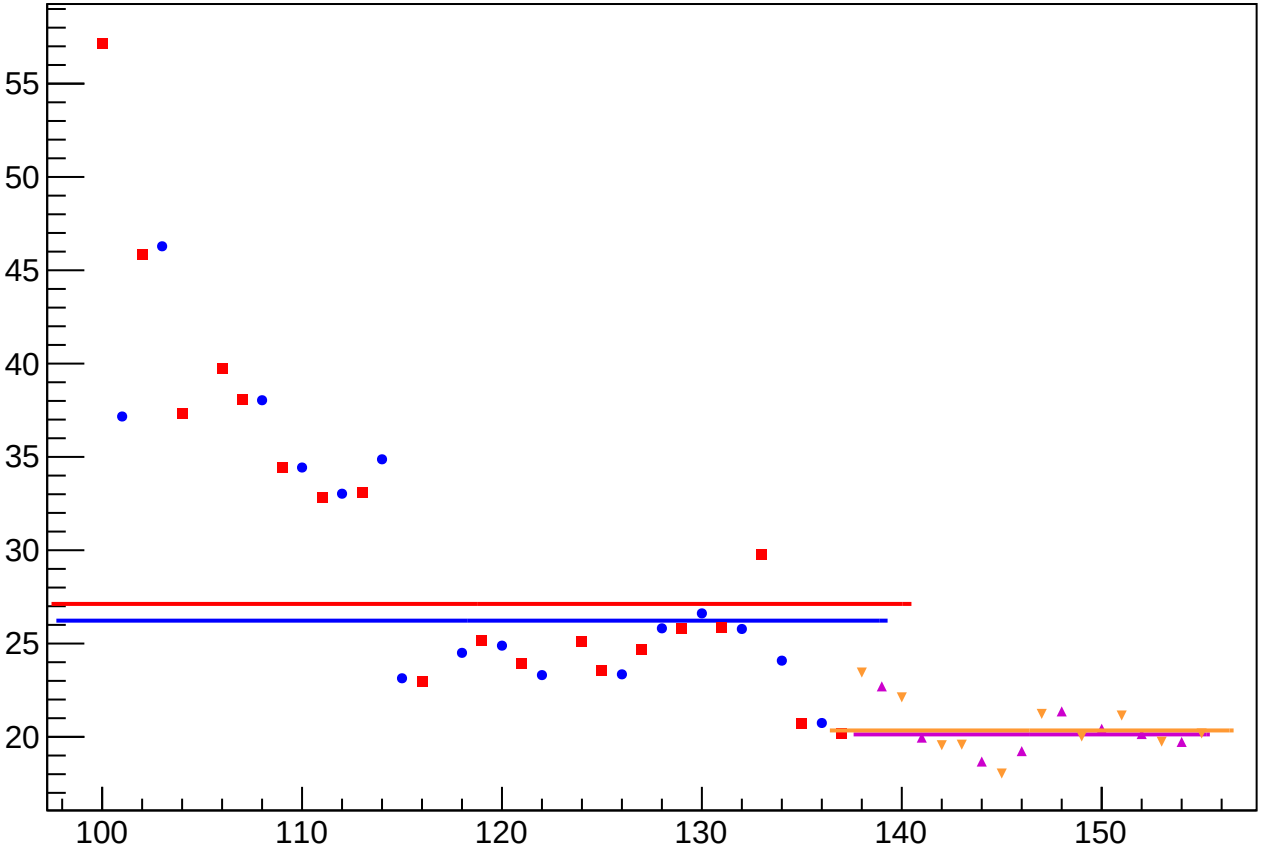
In: 221.003+/-0.045 χ^2/NDF:3893937.5/23

Out: 224.901+/-0.044 χ^2/NDF:4258866.5/28

All: 222.984+/-0.031 χ^2/NDF: 8156645.6/52


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: -1.454+/-7.297 χ²/NDF:10.0/9
Right Out: -15.292+/-10.269 χ²/NDF: 17.9/18
Left In: -11.342+/-7.632 χ²/NDF:4.8/7
Left: -6.176+/-5.274 χ²/NDF: 15.7/17
Right: -7.399+/-7.182 χ²/NDF: 40.4/34
In: -7.135+/-6.078 χ²/NDF:26.9/23
Out: -6.097+/-5.948 χ²/NDF:29.1/28
All: -6.605+/-4.251 χ²/NDF: 56.1/52

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.344+/-0.005 χ^2/NDF:75330.1/9

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.132+/-0.005 χ^2/NDF:43132.5/7

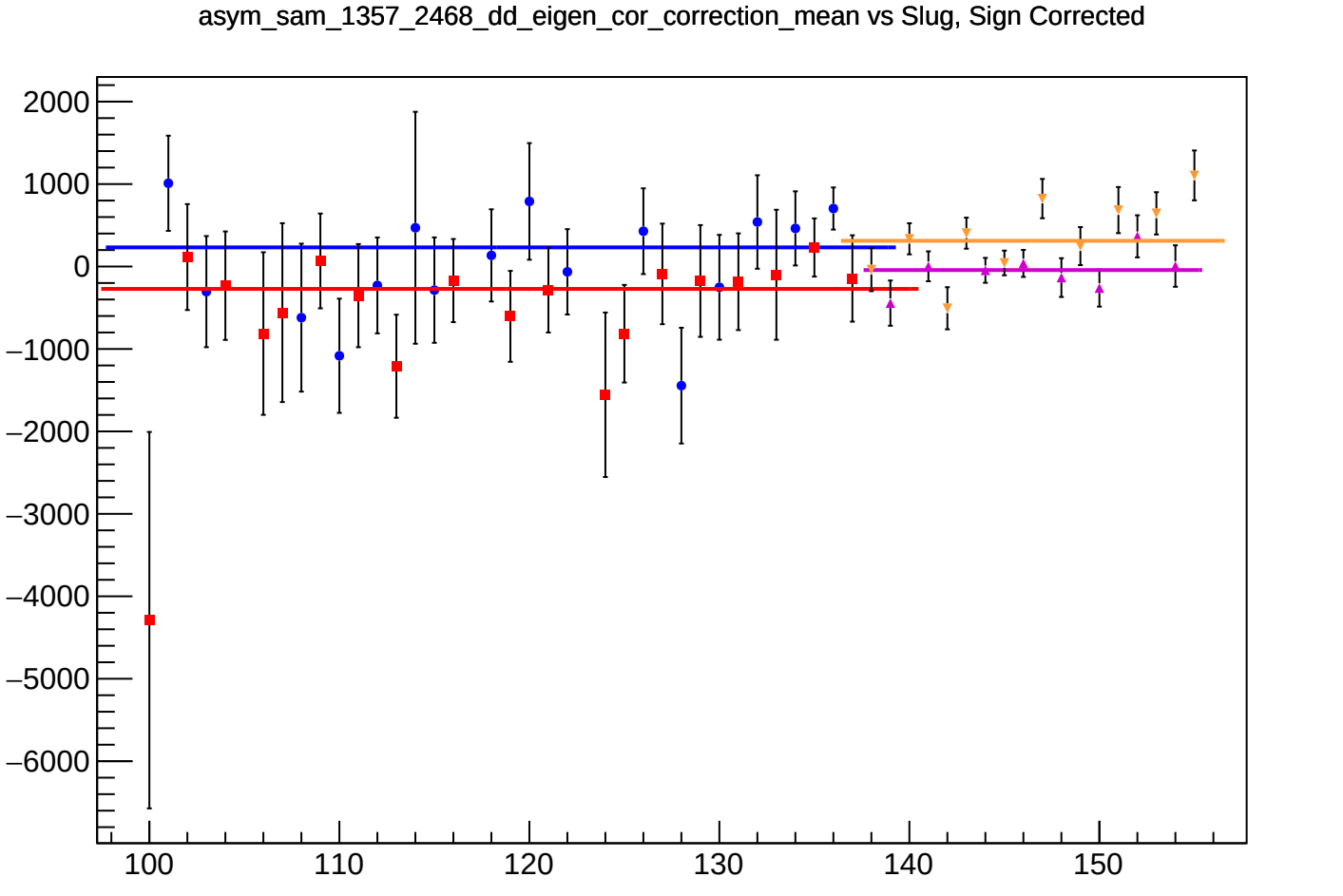
Left: 20.243+/-0.004 χ^2/NDF: 119264.1/17

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 22.362+/-0.004 χ^2/NDF:1185794.1/23

Out: 22.618+/-0.004 χ^2/NDF:1400349.4/28

All: 22.493+/-0.003 χ^2/NDF: 2587956.5/52


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
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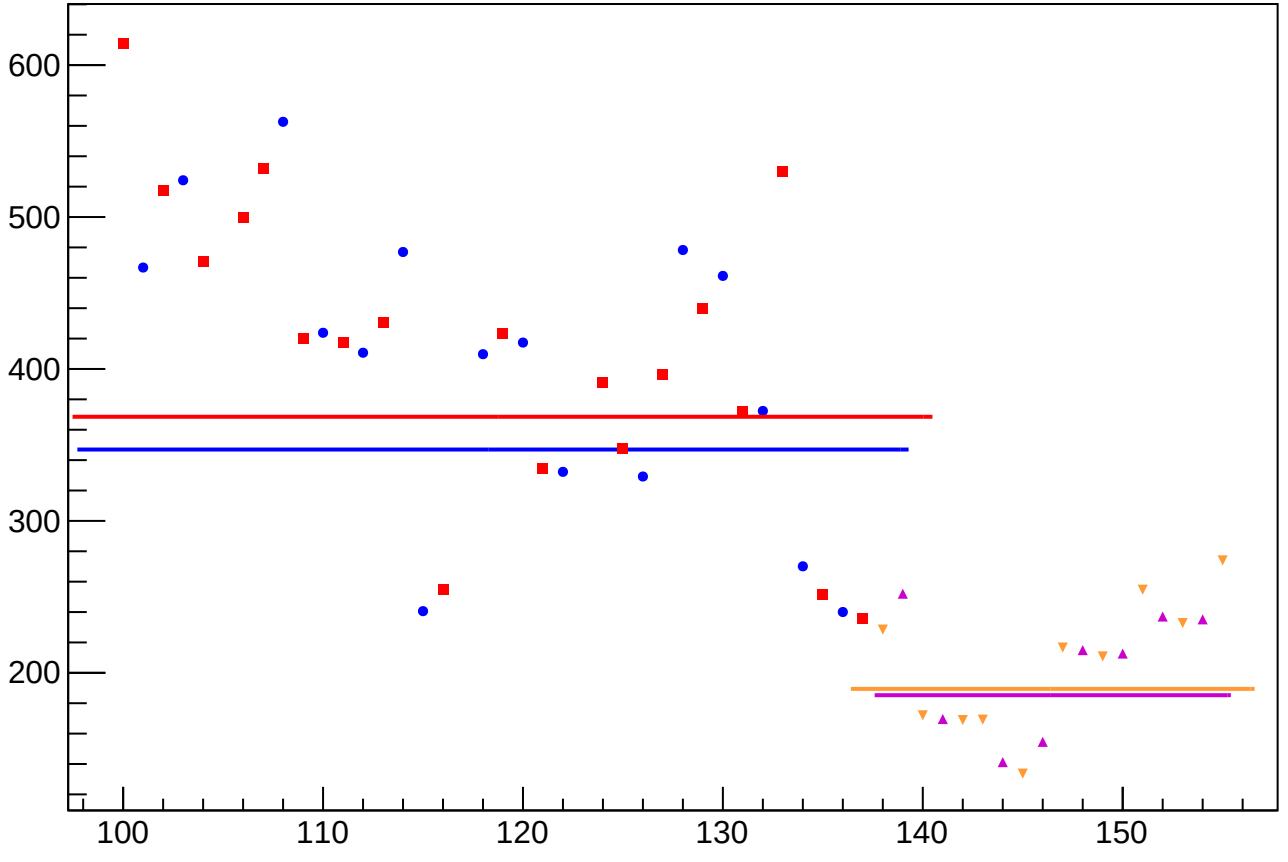
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 311.906+/-69.647 χ²/NDF:30.5/9
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -43.010+/-71.824 χ²/NDF:6.1/7
Left: 139.910+/-50.000 χ²/NDF: 49.3/17
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: 17.770+/-63.395 χ²/NDF:29.0/23
Out: 196.426+/-62.373 χ²/NDF:56.1/28
All: 108.550+/-44.461 χ²/NDF: 89.1/52

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: 189.444+/-0.049 χ^2/NDF:740356.2/9

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 185.279+/-0.051 χ^2/NDF:596491.7/7

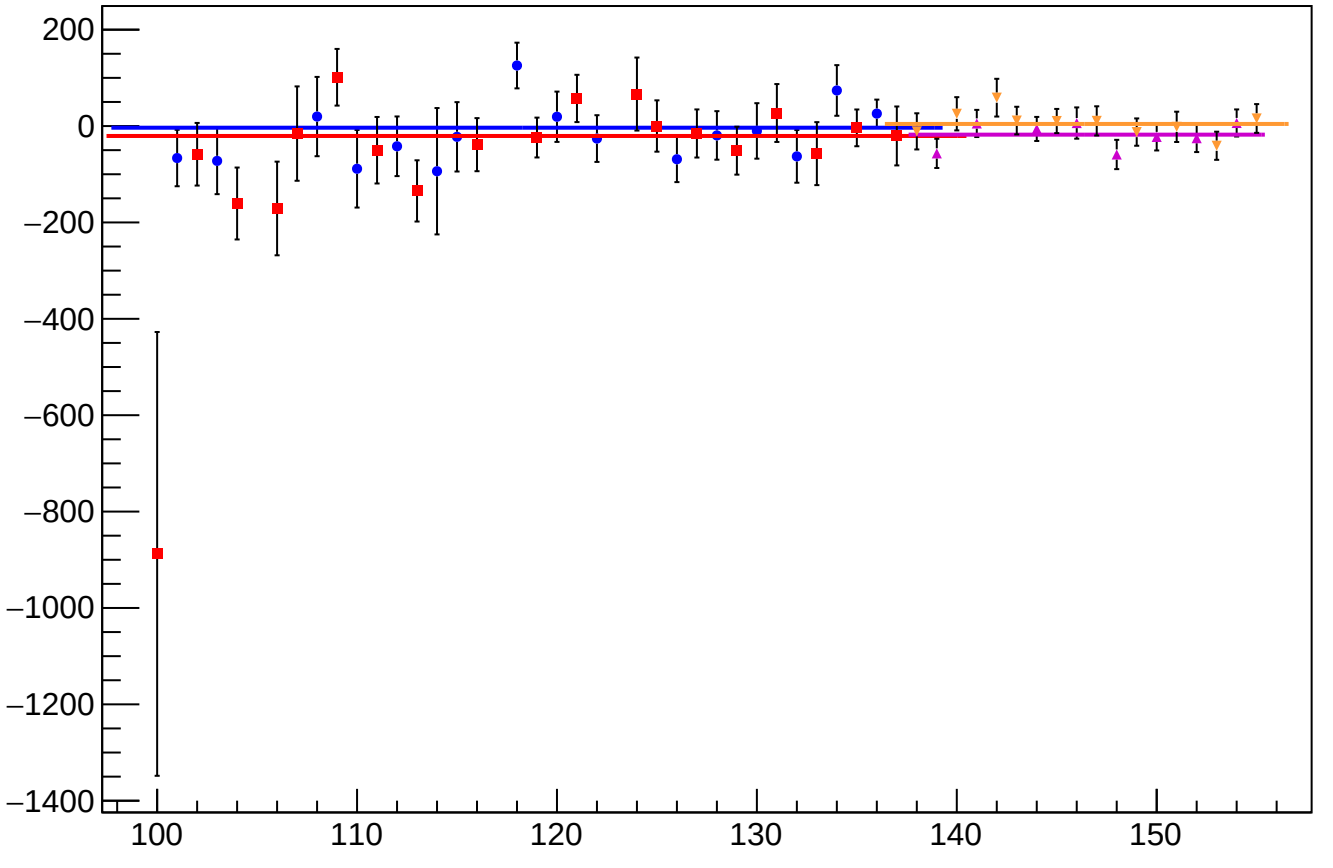
Left: 187.426+/-0.035 χ^2/NDF: 1340314.0/17

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 221.003+/-0.045 χ^2/NDF:3893937.5/23

Out: 224.901+/-0.044 χ^2/NDF:4258866.5/28

All: 222.984+/-0.031 χ^2/NDF: 8156645.6/52



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 4.372+/-9.690 χ^2/NDF:5.6/9

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -17.838+/-10.138 χ^2/NDF:5.8/7

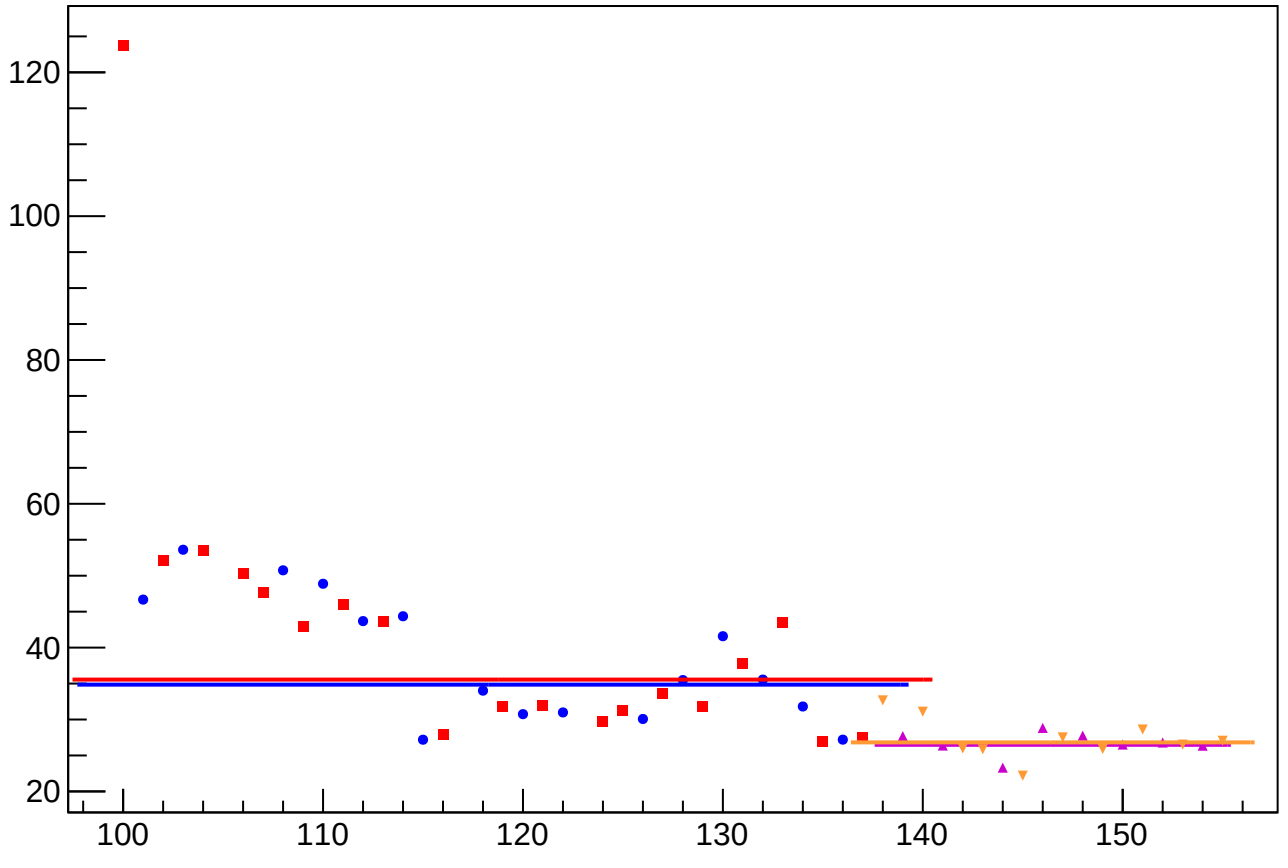
Left: -6.231+/-7.005 χ^2/NDF: 13.9/17

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -12.587+/-8.083 χ^2/NDF:25.0/23

Out: -4.130+/-7.867 χ^2/NDF:31.0/28

All: -8.243+/-5.638 χ^2/NDF: 56.5/52



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.820+/-0.007 χ^2/NDF:160260.8/9

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.483+/-0.007 χ^2/NDF:49870.7/7

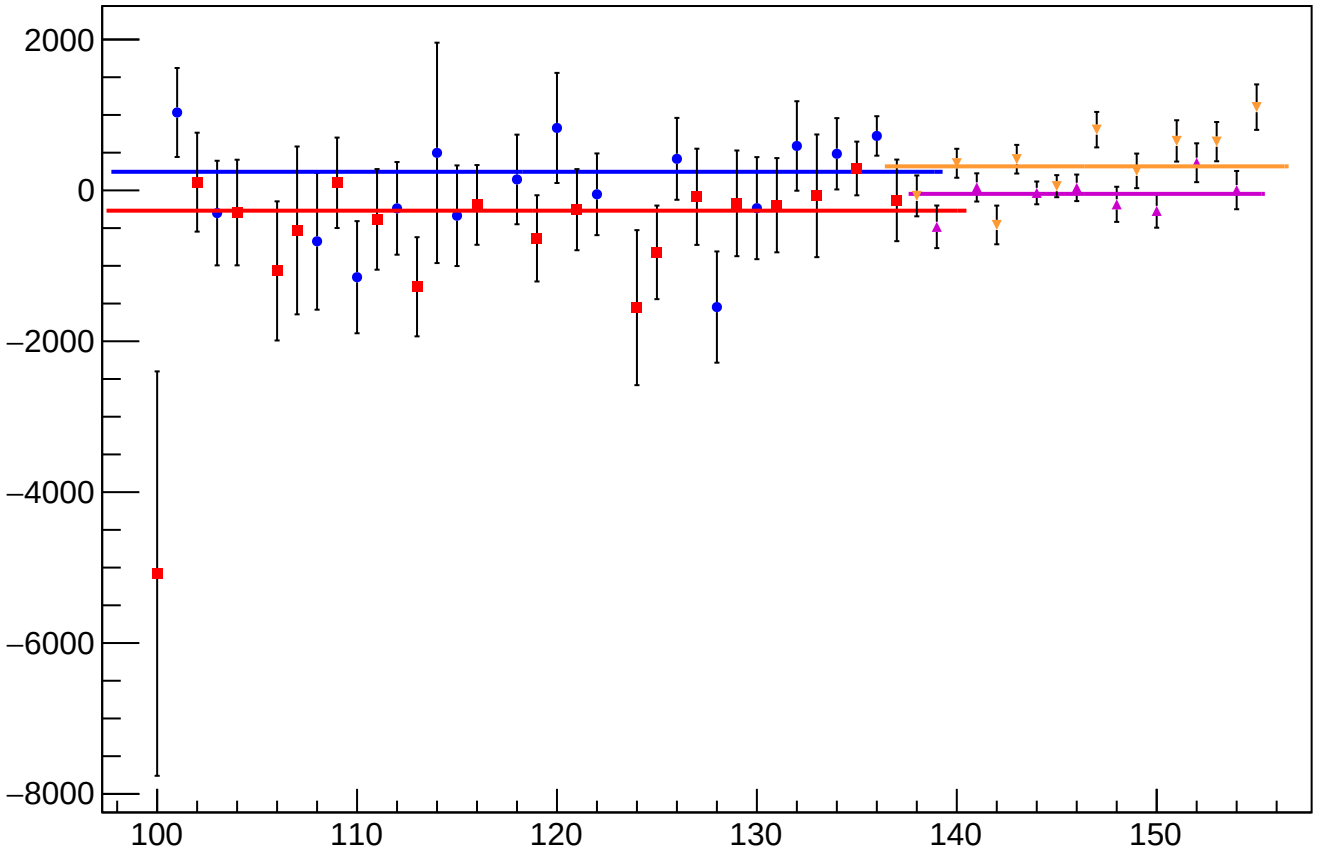
Left: 26.659+/-0.005 χ^2/NDF: 211286.6/17

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 29.531+/-0.006 χ^2/NDF:1204360.3/23

Out: 29.796+/-0.006 χ^2/NDF:1493897.7/28

All: 29.667+/-0.004 χ^2/NDF: 2699365.8/52



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 318.508+/-69.566 χ^2/NDF:29.0/9

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -46.052+/-73.215 χ^2/NDF:6.8/7

Left: 145.538+/-50.431 χ^2/NDF: 48.9/17

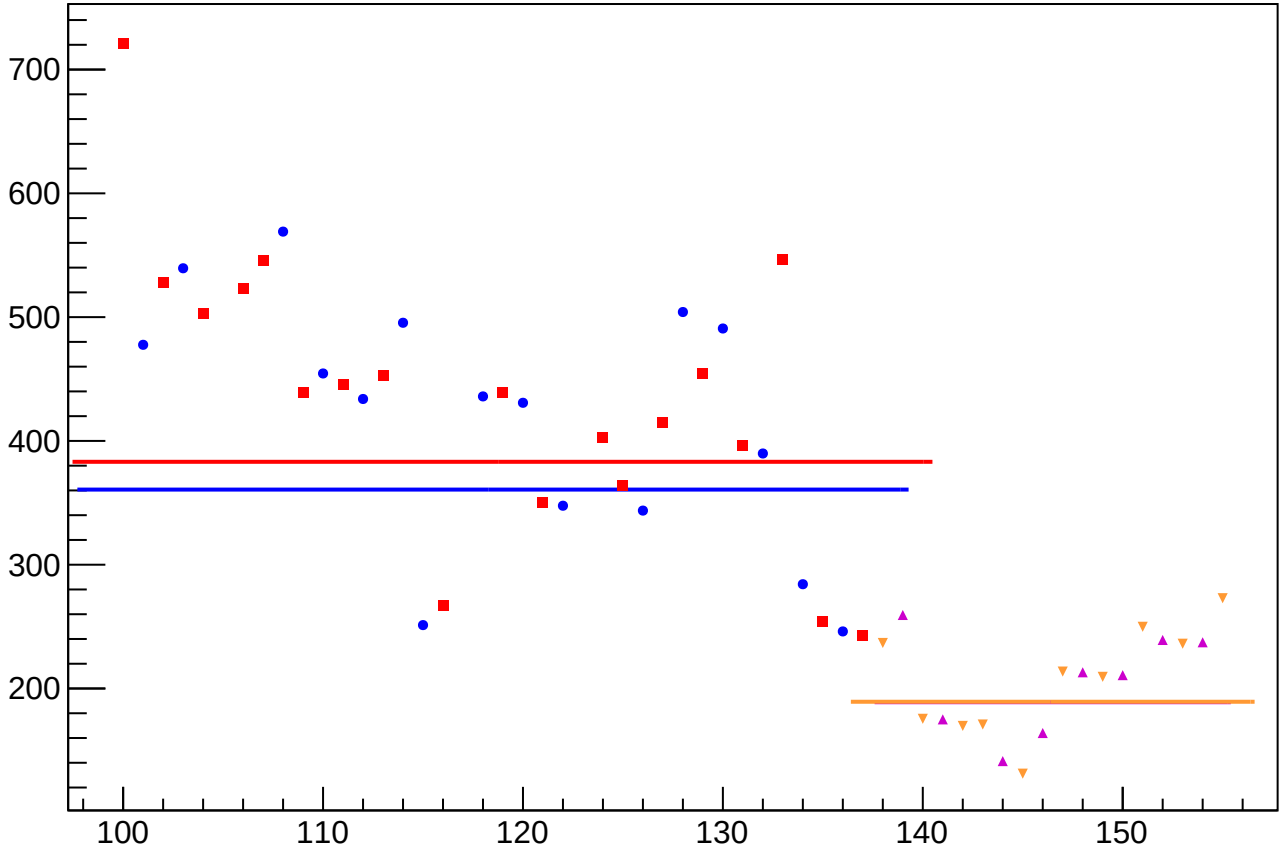
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 16.584+/-64.906 χ^2/NDF:30.0/23

Out: 208.961+/-62.745 χ^2/NDF:54.9/28

All: 116.028+/-45.112 χ^2/NDF: 89.5/52

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: 189.292+/-0.049 χ^2/NDF:771140.3/9

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 188.904+/-0.052 χ^2/NDF:564106.6/7

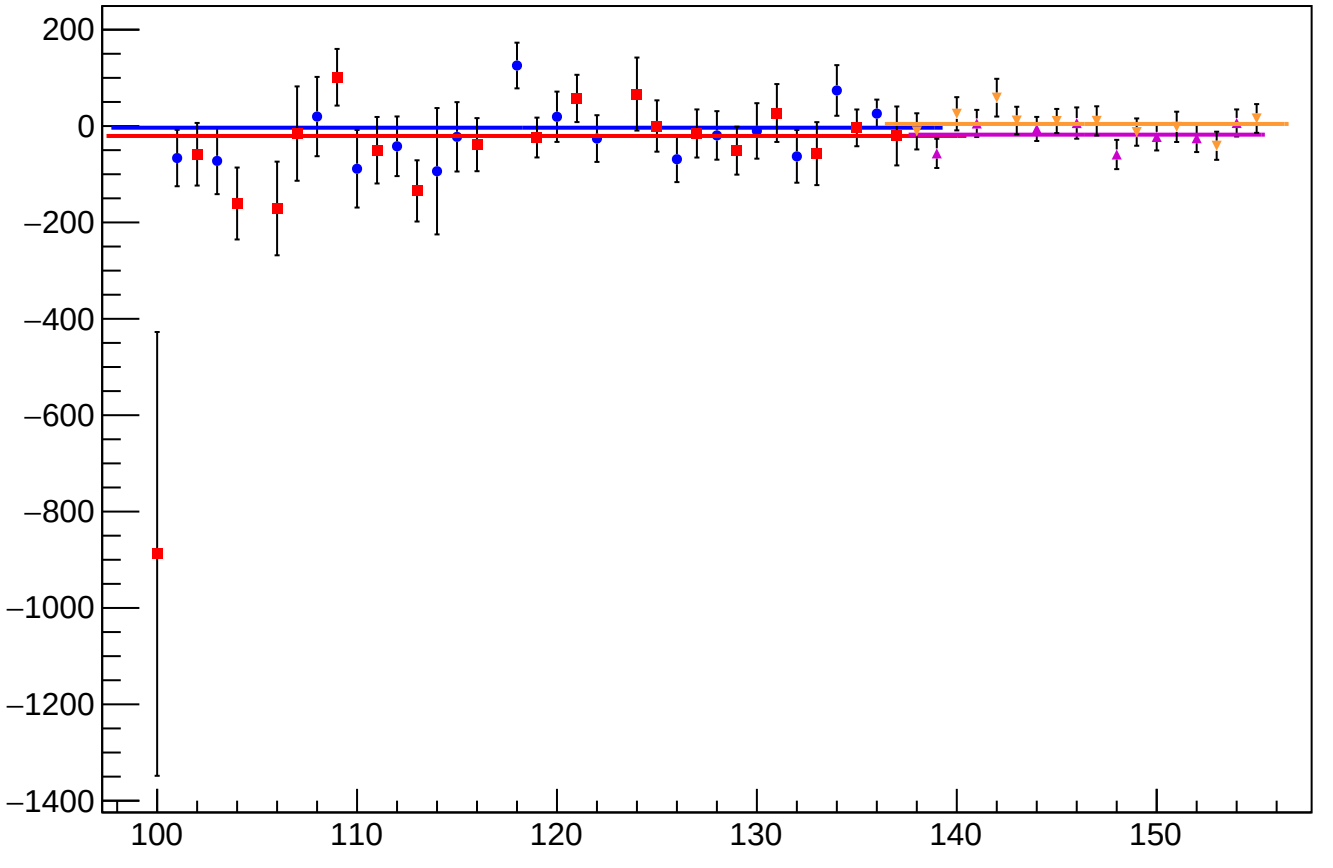
Left: 189.108+/-0.036 χ^2/NDF: 1335276.4/17

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 225.683+/-0.046 χ^2/NDF:4014237.4/23

Out: 225.441+/-0.044 χ^2/NDF:4630097.4/28

All: 225.558+/-0.032 χ^2/NDF: 8644349.1/52



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 4.372+/-9.690 χ^2/NDF:5.6/9

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -17.838+/-10.138 χ^2/NDF:5.8/7

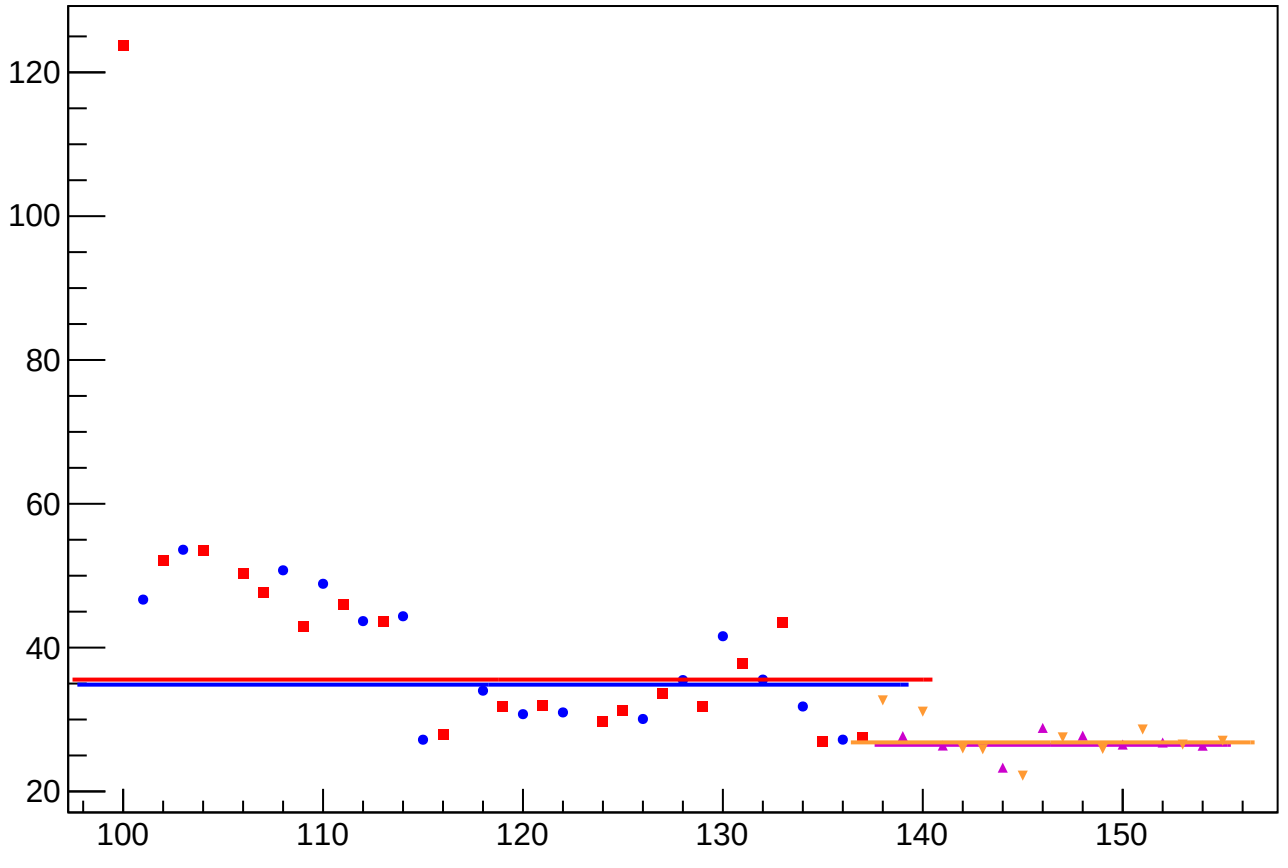
Left: -6.231+/-7.005 χ^2/NDF: 13.9/17

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -12.587+/-8.083 χ^2/NDF:25.0/23

Out: -4.129+/-7.867 χ^2/NDF:31.0/28

All: -8.243+/-5.638 χ^2/NDF: 56.5/52



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.820+/-0.007 χ^2/NDF:160244.8/9

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.483+/-0.007 χ^2/NDF:49866.8/7

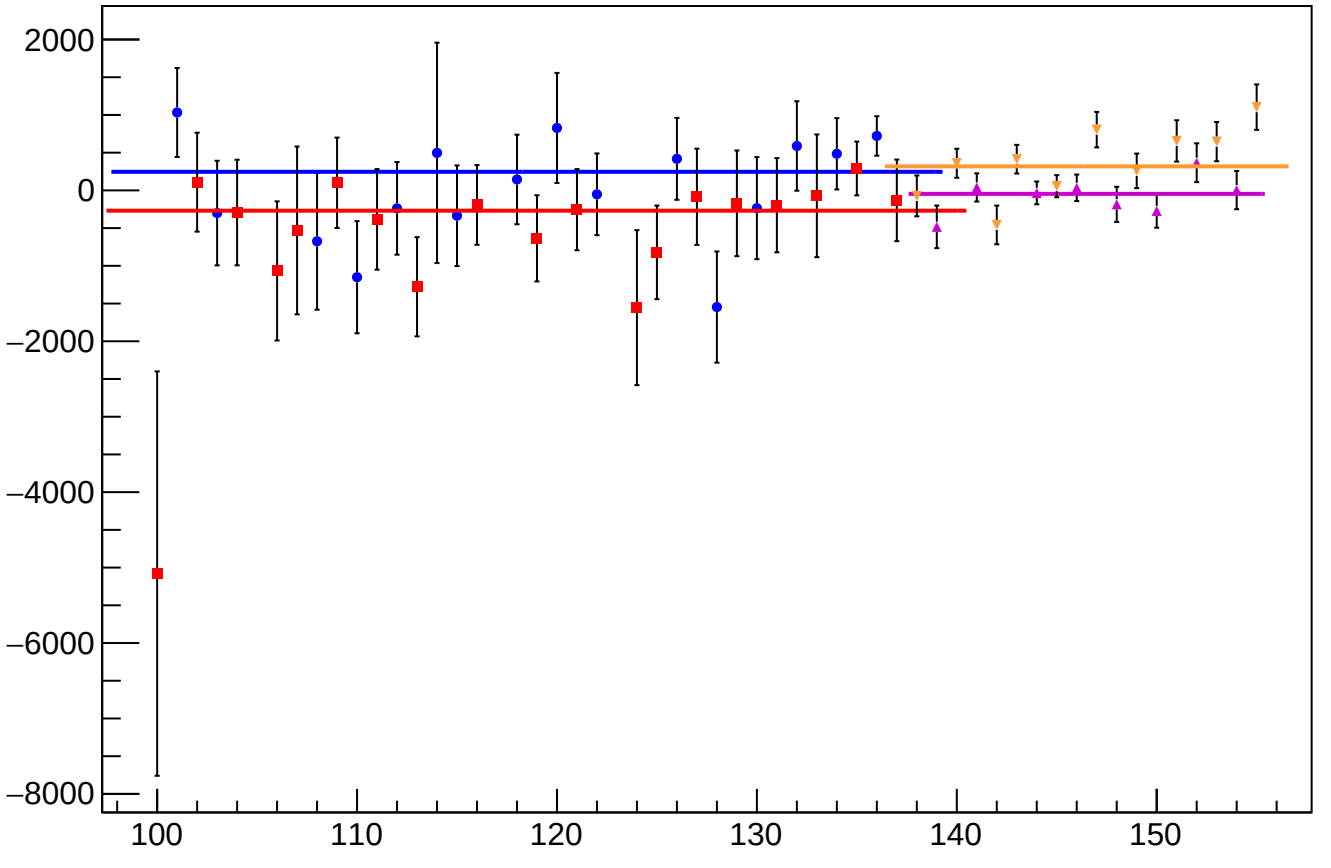
Left: 26.659+/-0.005 χ^2/NDF: 211266.8/17

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 29.531+/-0.006 χ^2/NDF:1204247.6/23

Out: 29.796+/-0.006 χ^2/NDF:1493796.7/28

All: 29.667+/-0.004 χ^2/NDF: 2699152.6/52



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 318.507+/-69.566 χ^2/NDF:29.0/9

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -46.052+/-73.214 χ^2/NDF:6.8/7

Left: 145.538+/-50.431 χ^2/NDF: 48.9/17

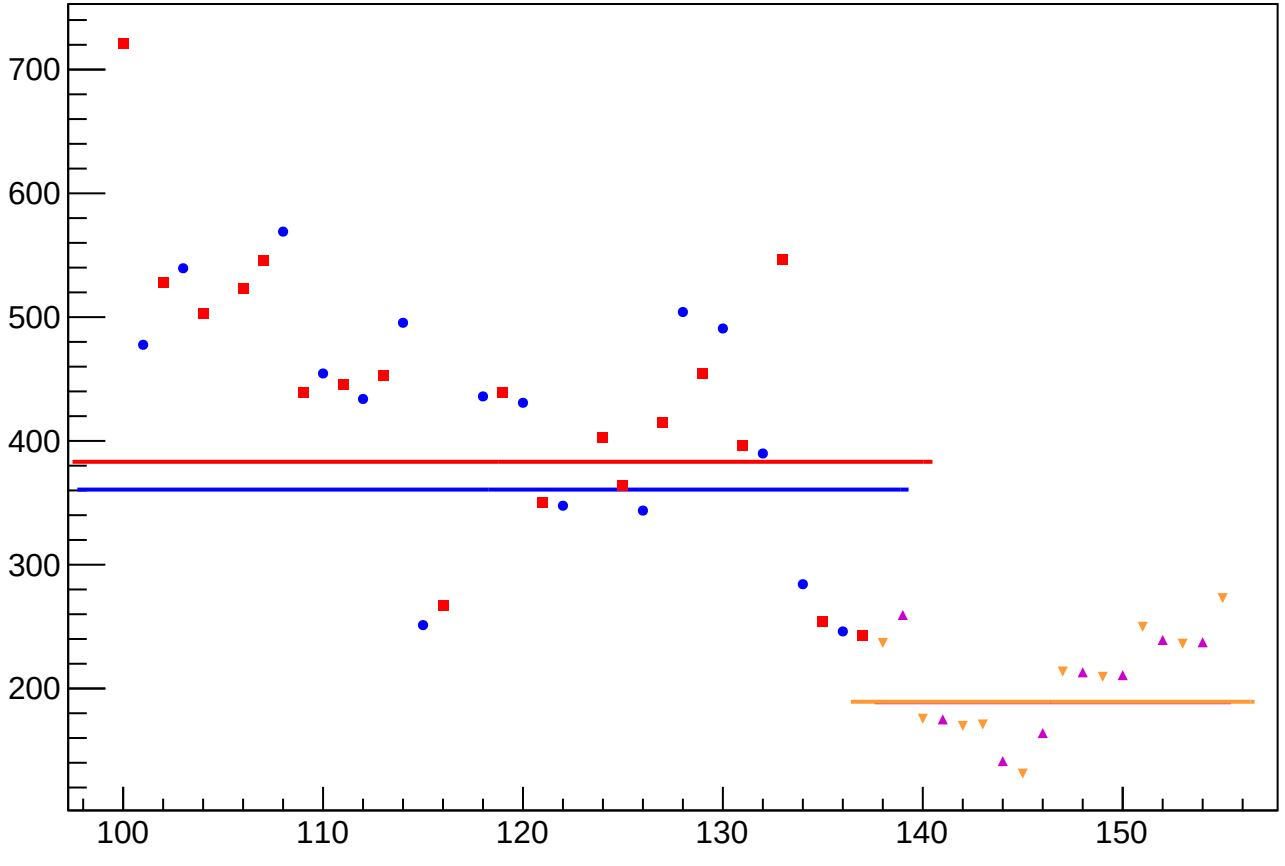
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 16.583+/-64.906 χ^2/NDF:30.0/23

Out: 208.960+/-62.745 χ^2/NDF:54.9/28

All: 116.027+/-45.112 χ^2/NDF: 89.5/52

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: 189.292+/-0.049 χ^2/NDF:771155.9/9

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 188.904+/-0.052 χ^2/NDF:564108.8/7

Left: 189.108+/-0.036 χ^2/NDF: 1335294.2/17

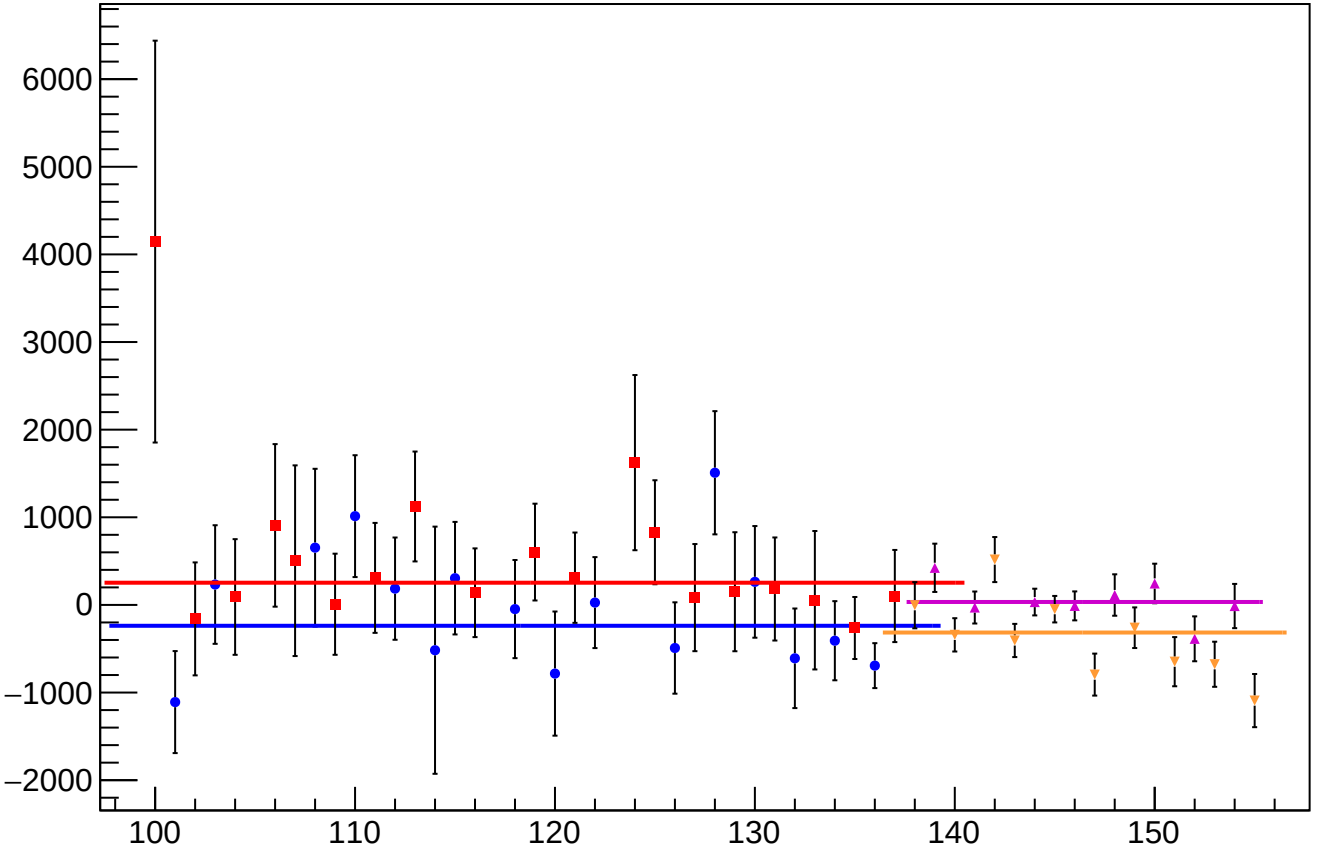
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 225.683+/-0.046 χ^2/NDF:4014228.7/23

Out: 225.441+/-0.044 χ^2/NDF:4630114.9/28

All: 225.558+/-0.032 χ^2/NDF: 8644357.9/52

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -315.022+/-70.095 χ^2/NDF:29.3/9

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 33.600+/-72.292 χ^2/NDF:5.9/7

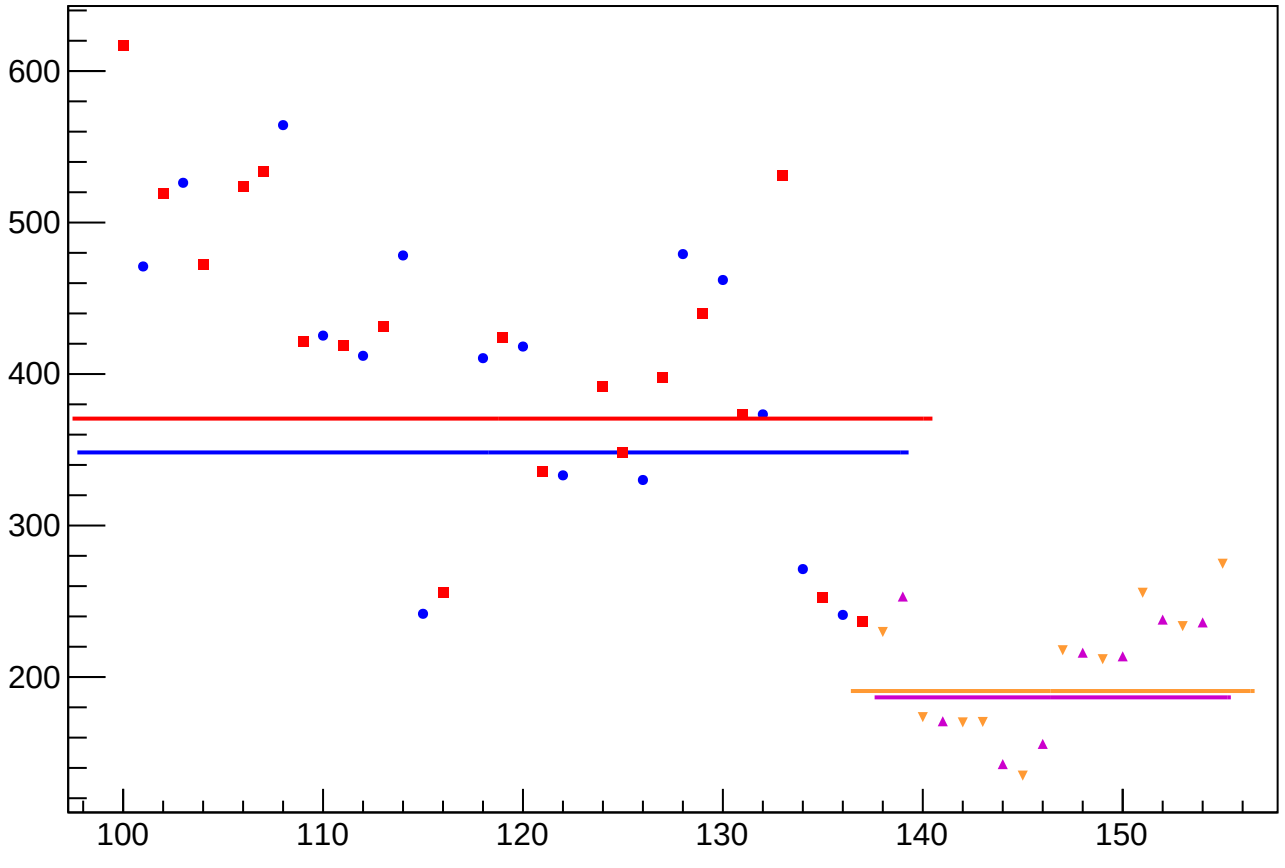
Left: -146.089+/-50.323 χ^2/NDF: 47.1/17

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -26.693+/-63.766 χ^2/NDF:29.0/23

Out: -201.619+/-62.715 χ^2/NDF:54.1/28

All: -115.611+/-44.713 χ^2/NDF: 86.9/52



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 190.764+/-0.050 χ^2/NDF:726718.8/9

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 186.576+/-0.051 χ^2/NDF:585142.2/7

Left: 188.735+/-0.036 χ^2/NDF: 1315319.3/17

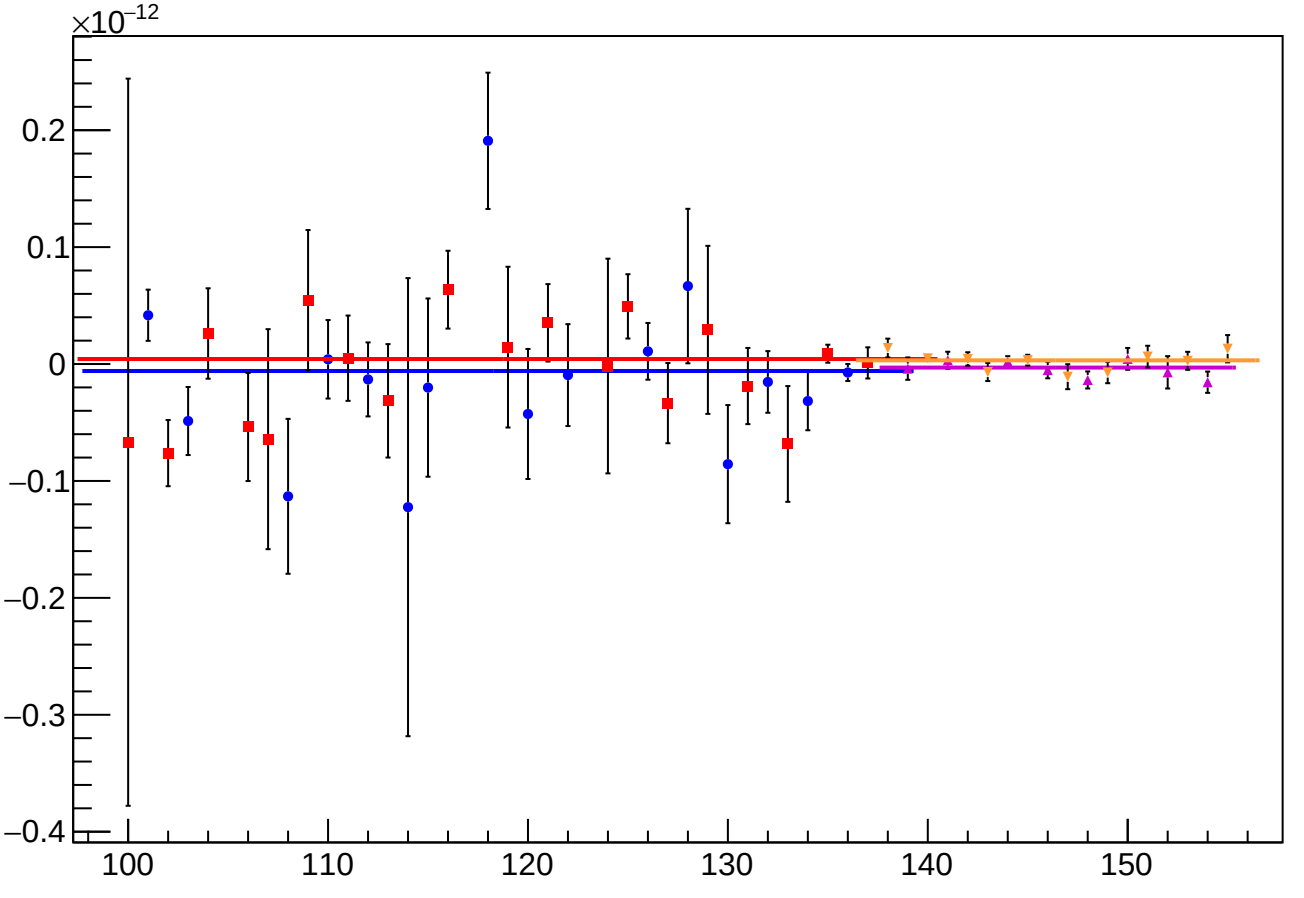
Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 222.462+/-0.045 χ^2/NDF:3862277.4/23

Out: 226.636+/-0.044 χ^2/NDF:4270429.3/28

All: 224.584+/-0.032 χ^2/NDF: 8137063.0/52

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/7

Left: 0.000+/-0.000 χ^2/NDF: 17.4/17

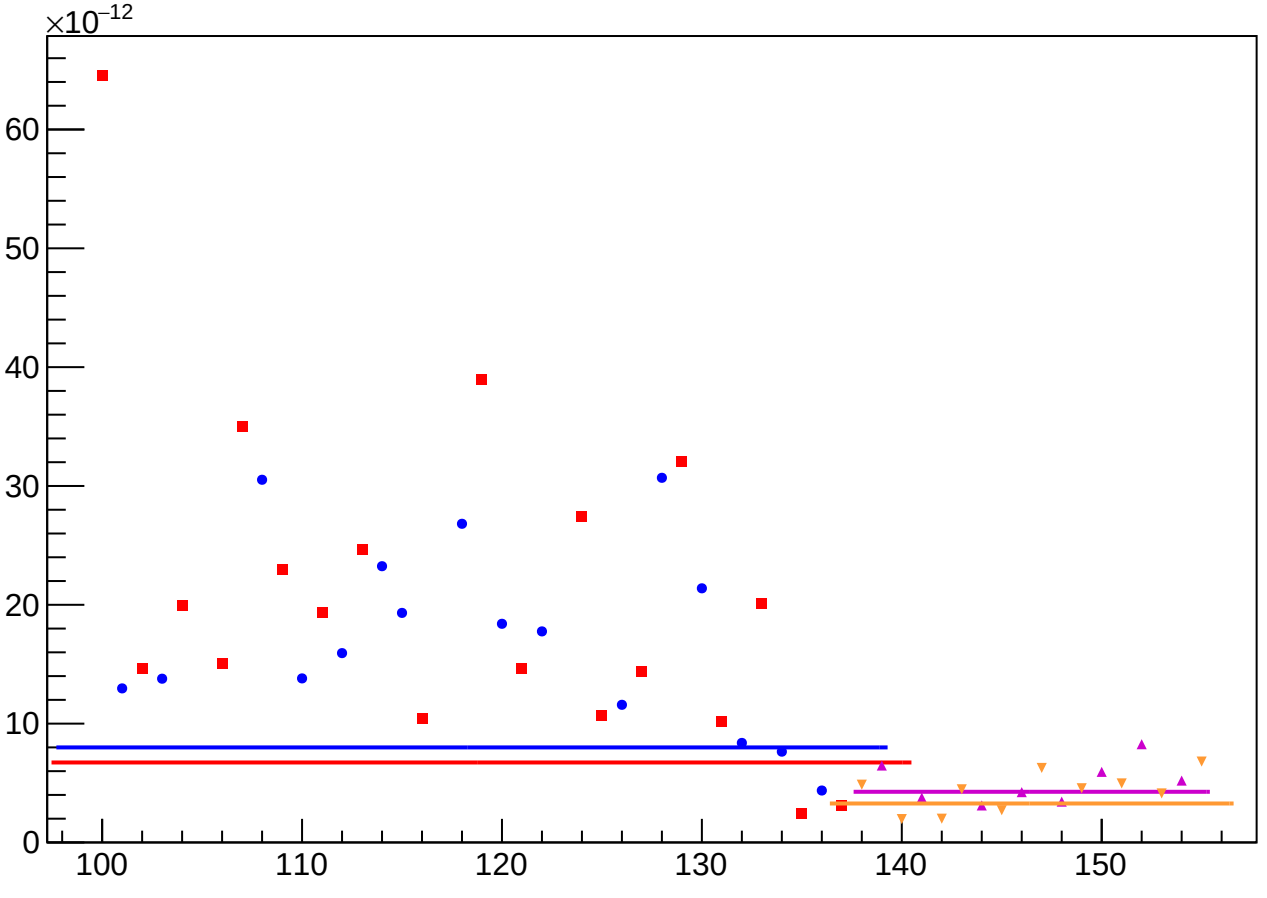
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:34.1/23

Out: 0.000+/-0.000 χ^2/NDF:30.4/28

All: 0.000+/-0.000 χ^2/NDF: 69.4/52

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:933546.3/9

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:510675.6/7

Left: 0.000+/-0.000 χ^2/NDF: 1612738.6/17

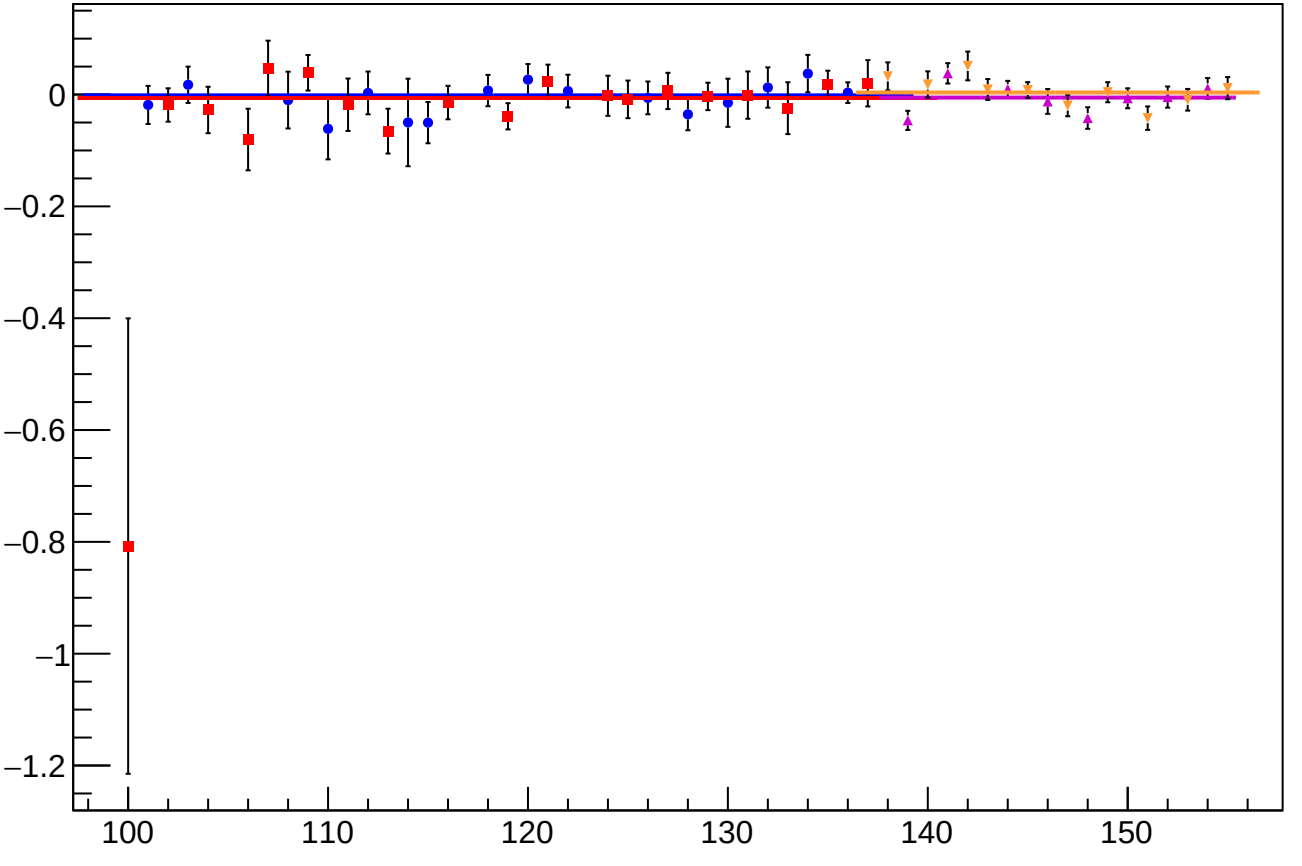
Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:3167143.5/23

Out: 0.000+/-0.000 χ^2/NDF:4988281.1/28

All: 0.000+/-0.000 χ^2/NDF: 8466413.4/52

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.006 χ^2/NDF:12.2/9

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.006 χ^2/NDF:17.0/7

Left: -0.001+/-0.004 χ^2/NDF: 30.2/17

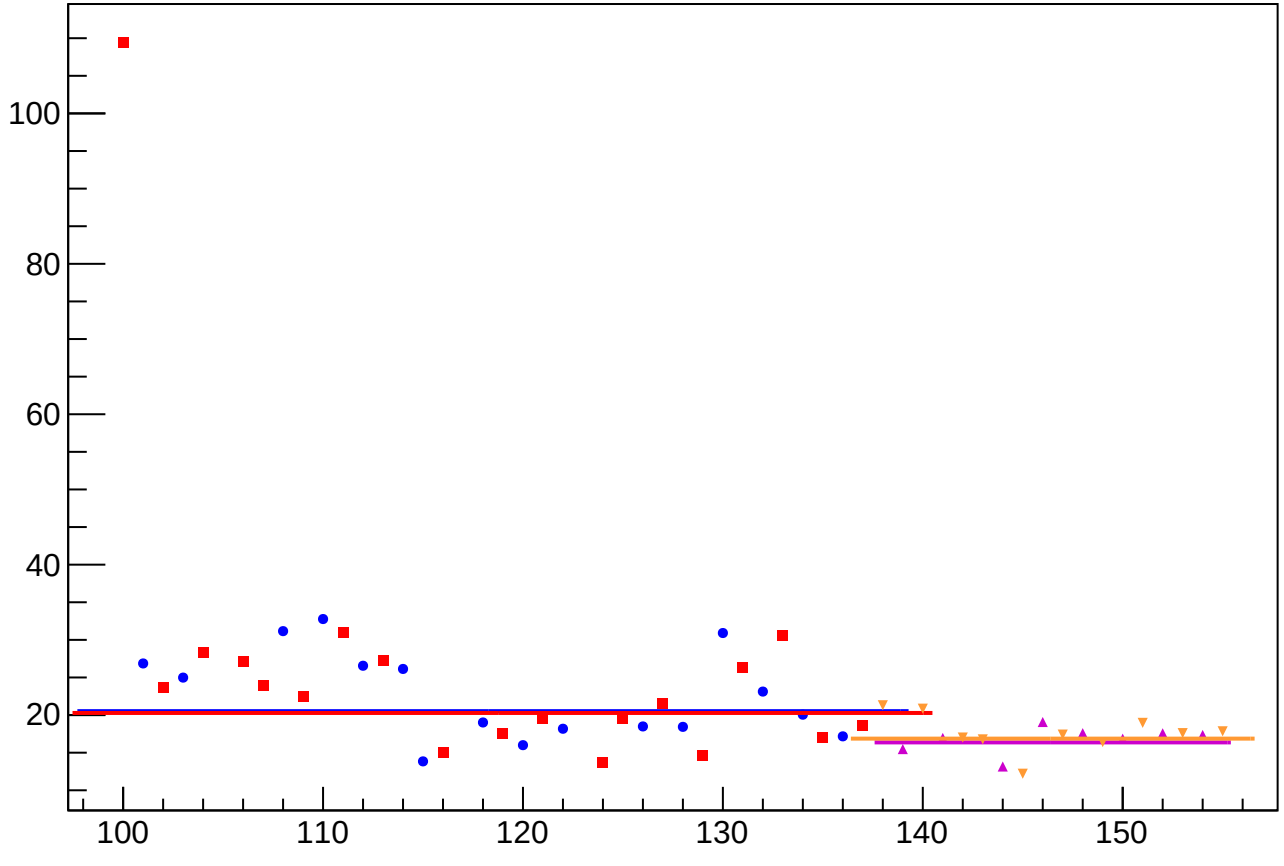
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.005 χ^2/NDF:25.4/23

Out: -0.000+/-0.005 χ^2/NDF:29.4/28

All: -0.002+/-0.003 χ^2/NDF: 55.1/52

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: 16.869+/-0.004 χ^2/NDF:368927.9/9

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.367+/-0.004 χ^2/NDF:159951.3/7

Left: 16.624+/-0.003 χ^2/NDF: 535316.1/17

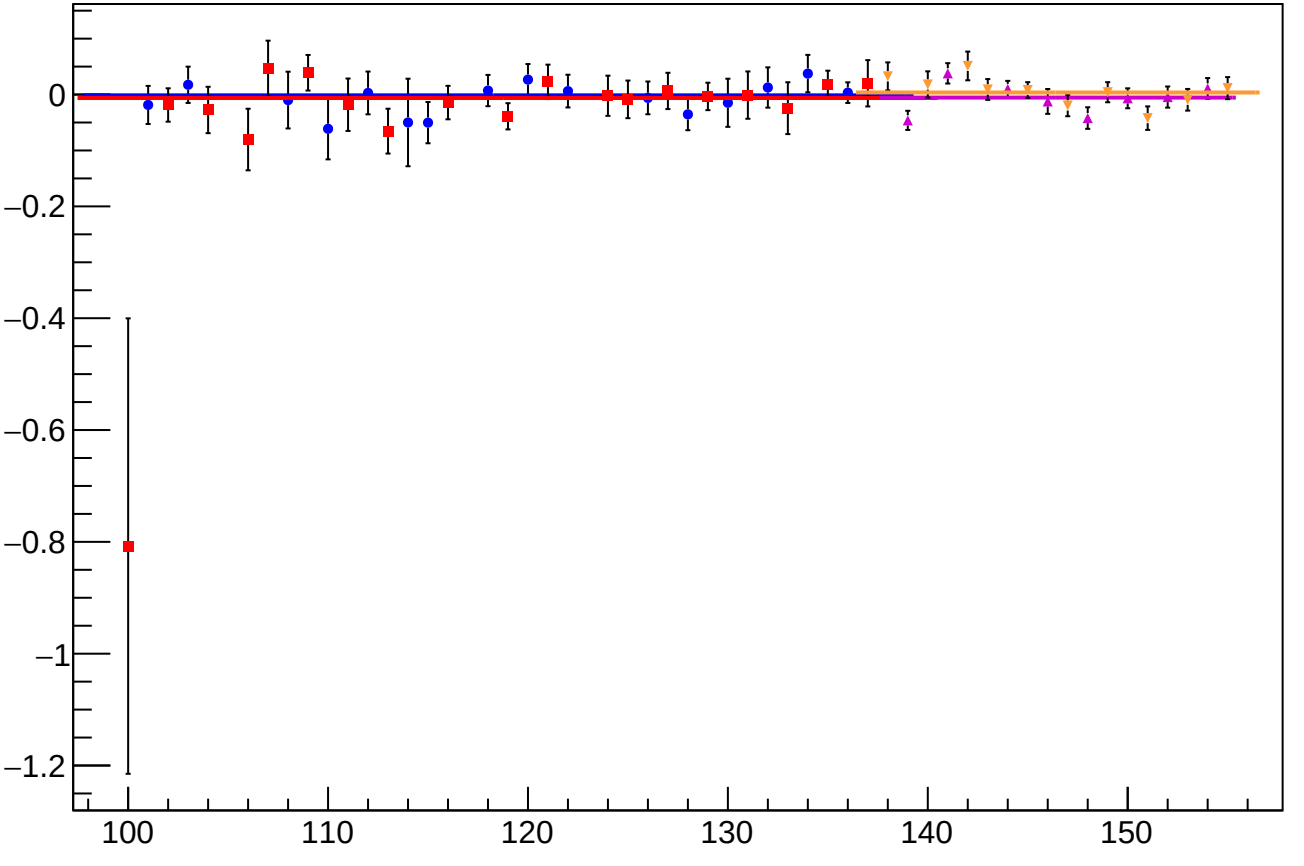
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.957+/-0.004 χ^2/NDF:1193969.3/23

Out: 18.170+/-0.003 χ^2/NDF:1465169.1/28

All: 18.066+/-0.002 χ^2/NDF: 2660996.1/52

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+/-0.006 χ^2/NDF:12.2/9

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.006 χ^2/NDF:17.0/7

Left: -0.001+/-0.004 χ^2/NDF: 30.2/17

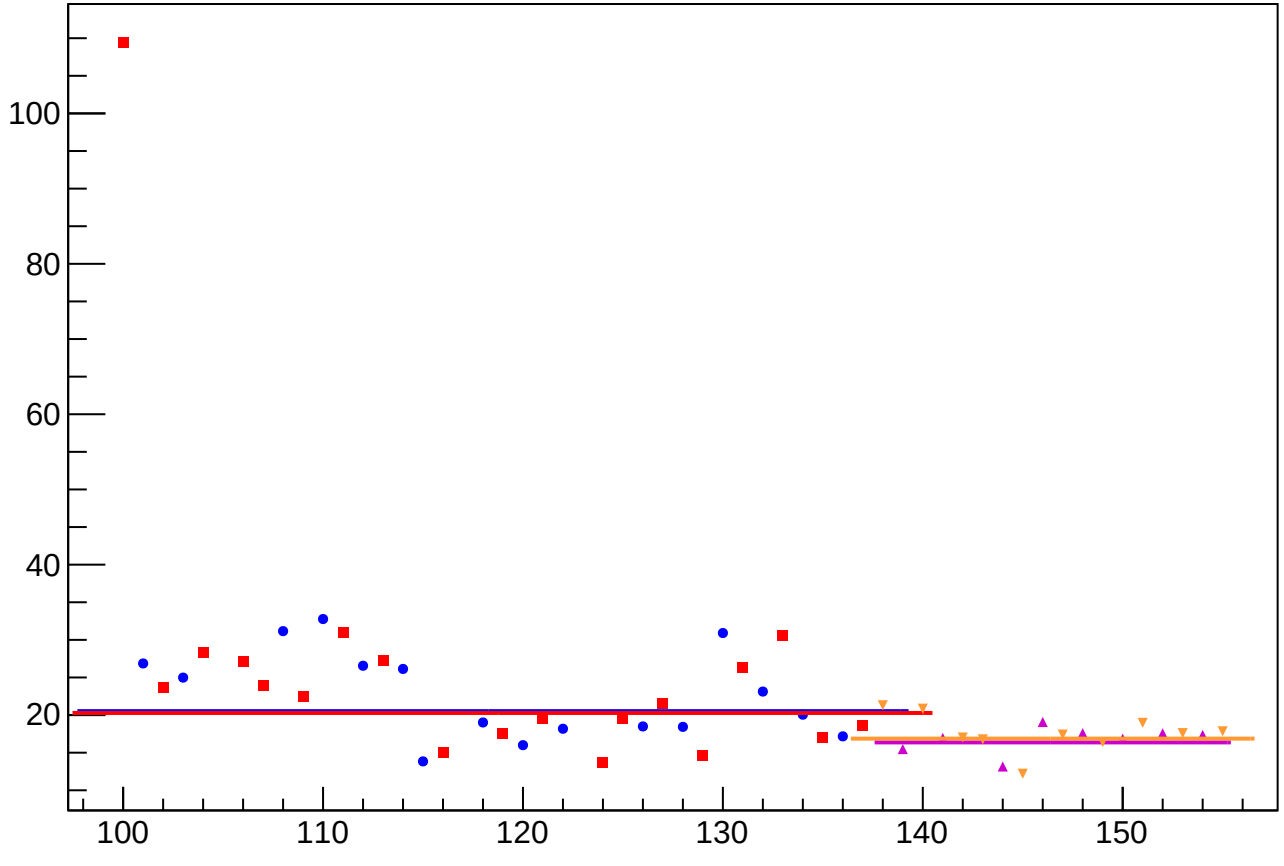
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.005 χ^2/NDF:25.4/23

Out: -0.000+/-0.005 χ^2/NDF:29.4/28

All: -0.002+/-0.003 χ^2/NDF: 55.1/52

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: 16.869+/-0.004 χ^2/NDF:368927.9/9

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.367+/-0.004 χ^2/NDF:159951.3/7

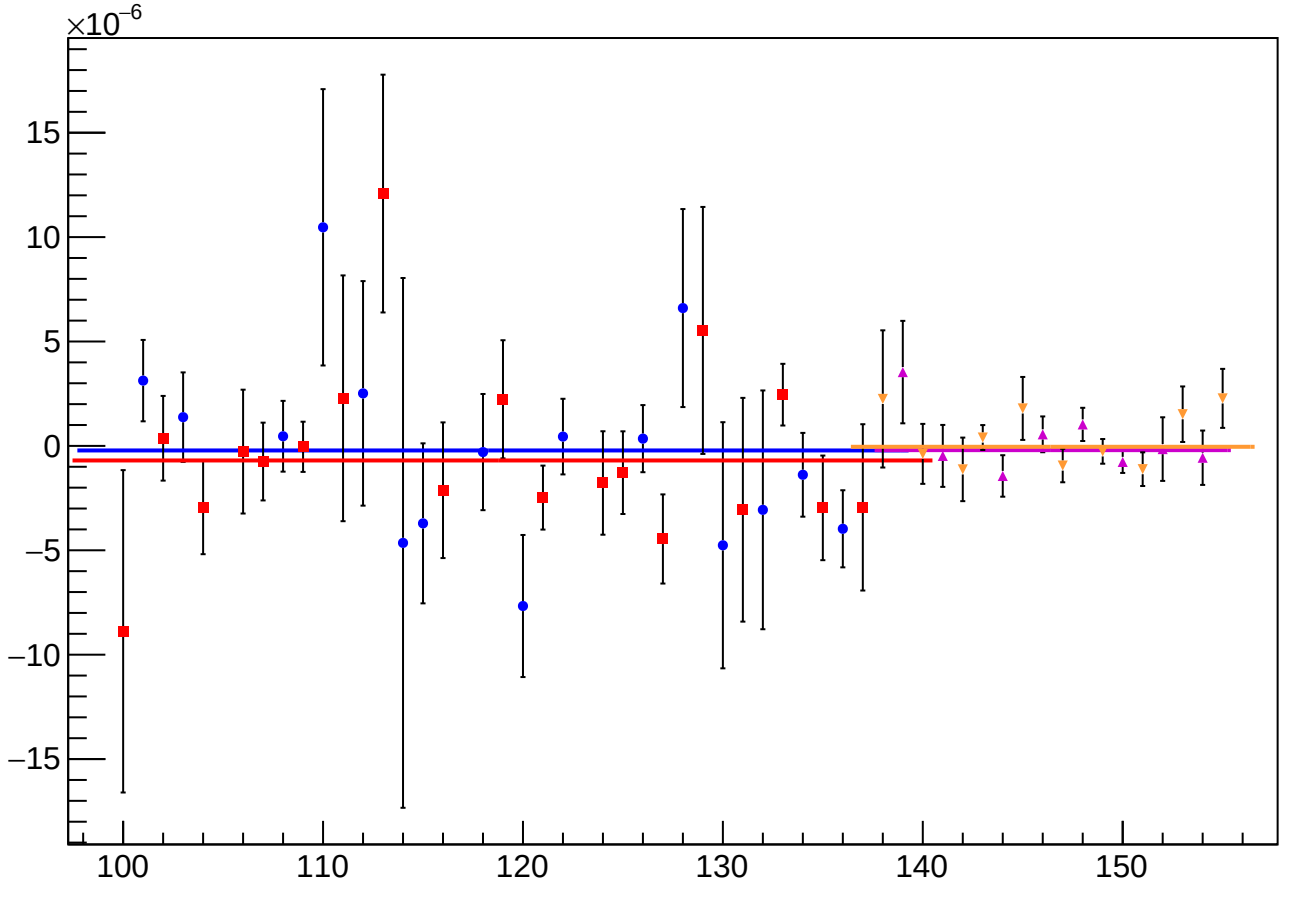
Left: 16.624+/-0.003 χ^2/NDF: 535316.1/17

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.957+/-0.004 χ^2/NDF:1193969.3/23

Out: 18.170+/-0.003 χ^2/NDF:1465169.1/28

All: 18.066+/-0.002 χ^2/NDF: 2660996.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.3/9

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/7

Left: -0.000+/-0.000 χ^2/NDF: 18.8/17

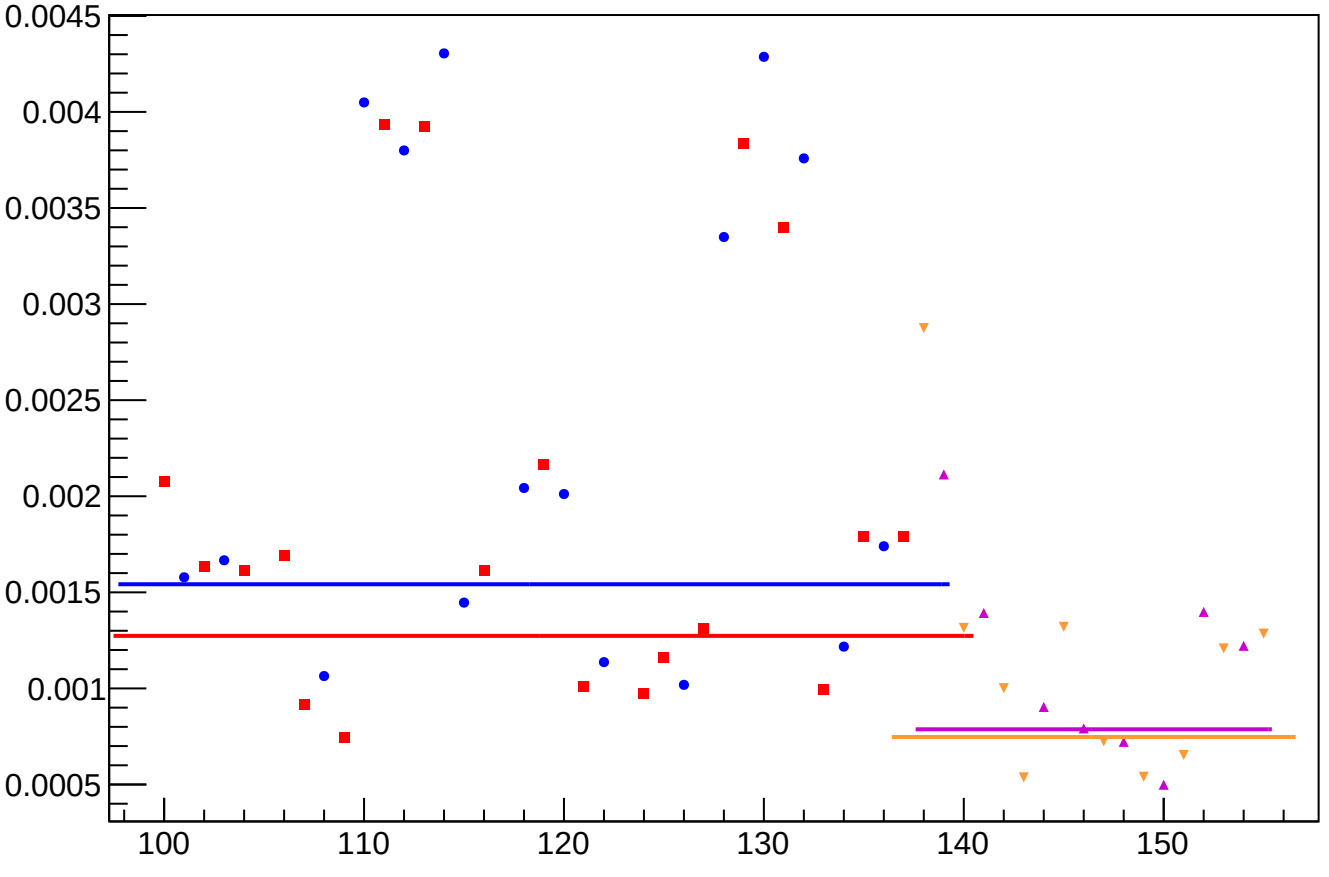
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:28.2/23

Out: -0.000+/-0.000 χ^2/NDF:32.5/28

All: -0.000+/-0.000 χ^2/NDF: 60.7/52

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:2547781.1/9

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:2101052.9/7

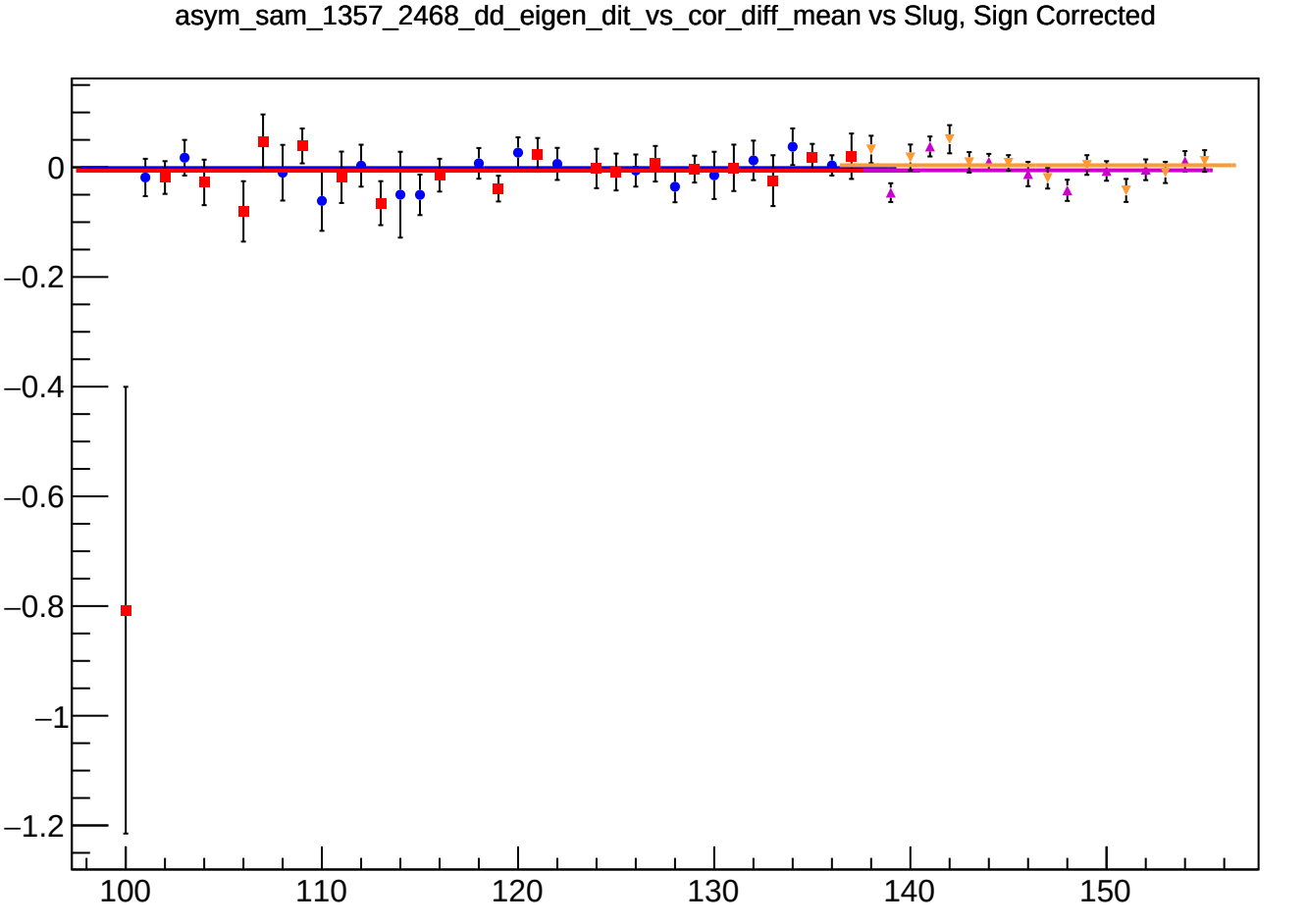
Left: 0.001+/-0.000 χ^2/NDF: 4664932.6/17

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:6766671.9/23

Out: 0.001+/-0.000 χ^2/NDF:6737642.4/28

All: 0.001+/-0.000 χ^2/NDF: 13575540.8/52



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.006 χ^2/NDF:12.2/9

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.006 χ^2/NDF:17.0/7

Left: -0.001+/-0.004 χ^2/NDF: 30.2/17

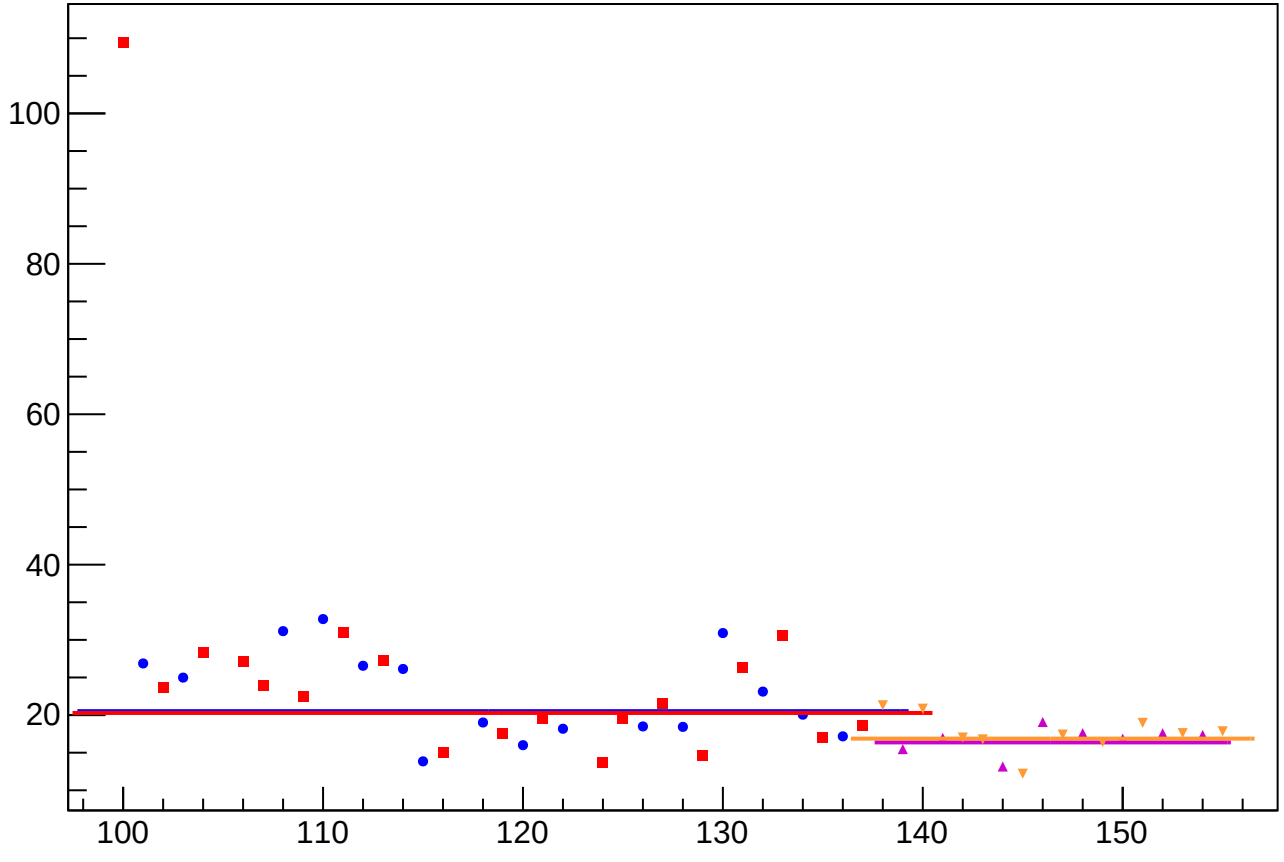
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.005 χ^2/NDF:25.4/23

Out: -0.000+/-0.005 χ^2/NDF:29.4/28

All: -0.002+/-0.003 χ^2/NDF: 55.1/52

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: 16.870+/-0.004 χ^2/NDF:368864.0/9

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.367+/-0.004 χ^2/NDF:159964.4/7

Left: 16.625+/-0.003 χ^2/NDF: 535269.4/17

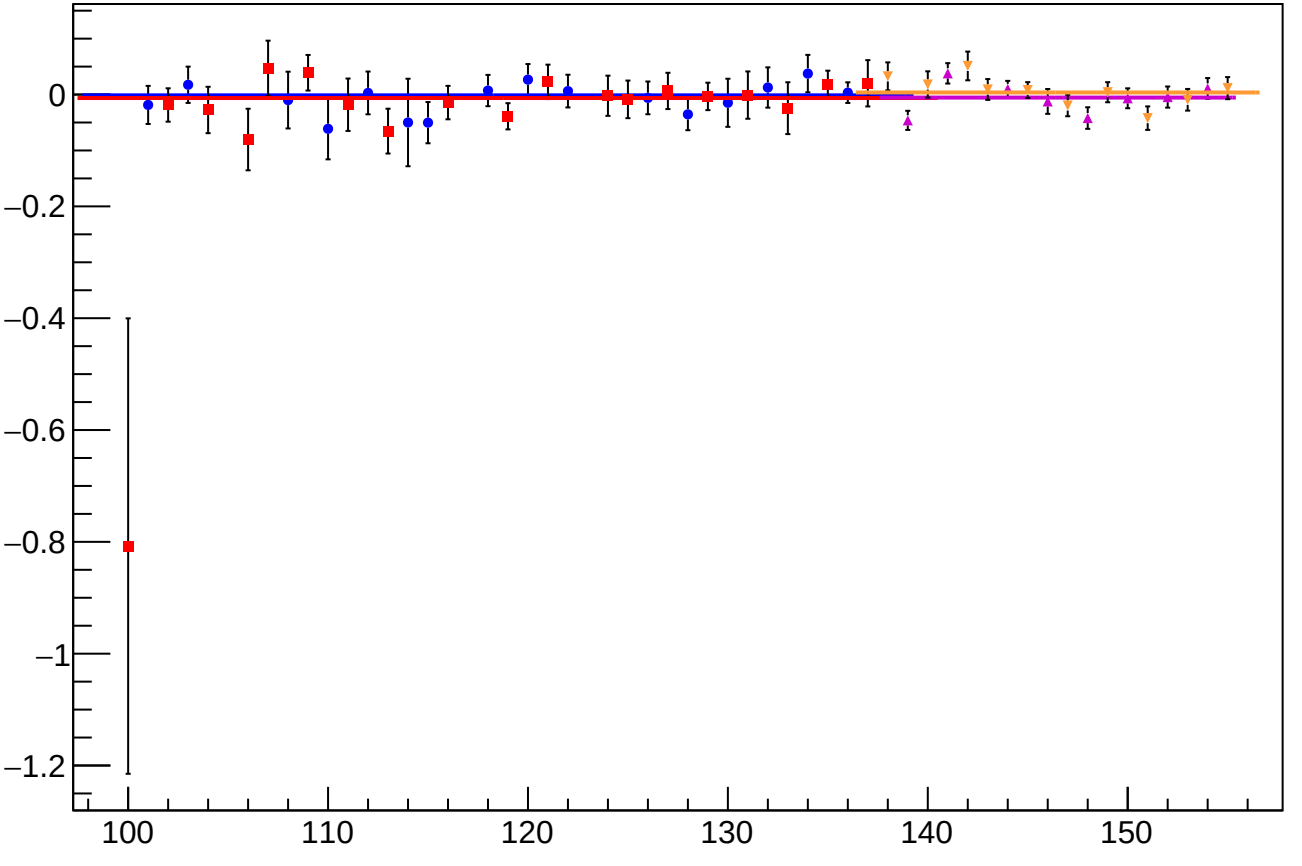
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.957+/-0.004 χ^2/NDF:1193772.5/23

Out: 18.170+/-0.003 χ^2/NDF:1464994.7/28

All: 18.066+/-0.002 χ^2/NDF: 2660625.9/52

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+/-0.006 χ^2/NDF:12.2/9

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.006 χ^2/NDF:17.0/7

Left: -0.001+/-0.004 χ^2/NDF: 30.2/17

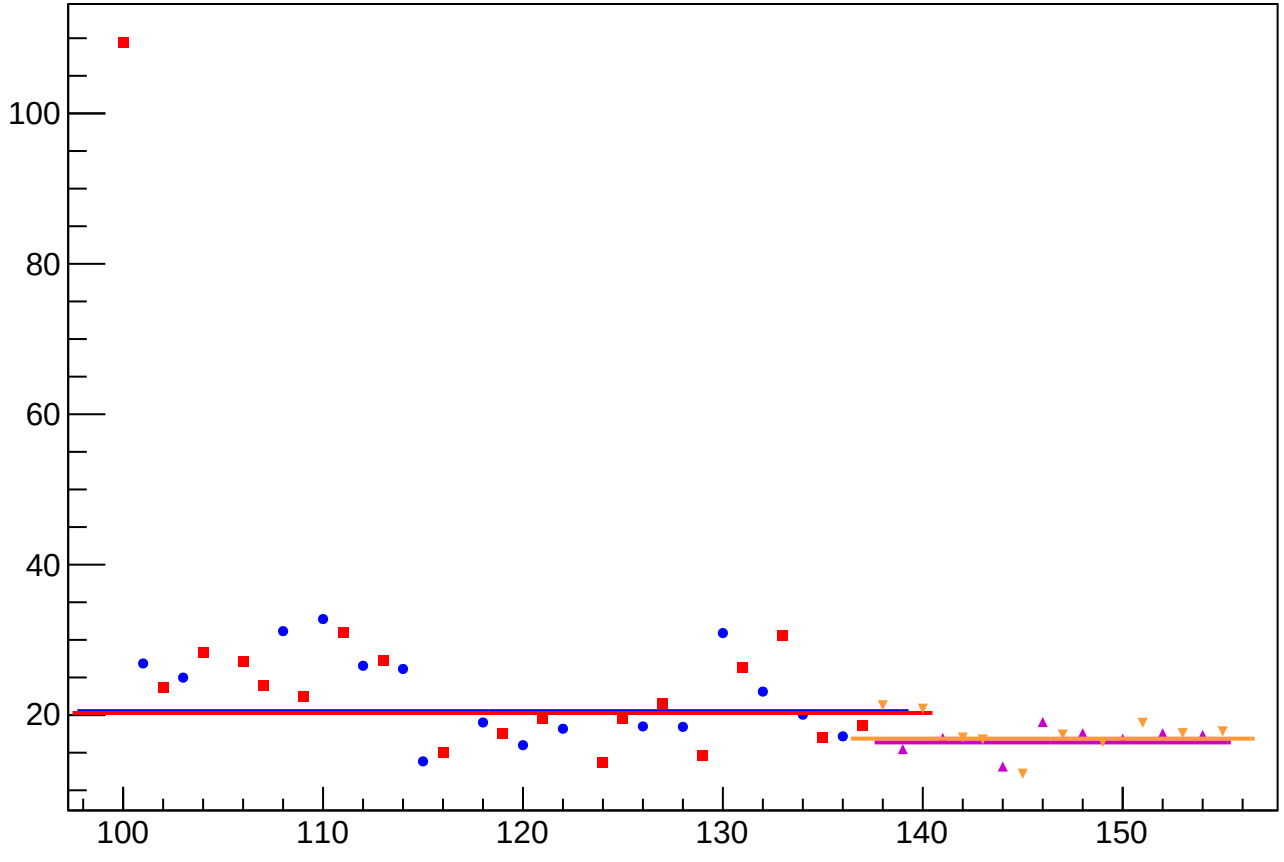
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.005 χ^2/NDF:25.4/23

Out: -0.000+/-0.005 χ^2/NDF:29.4/28

All: -0.002+/-0.003 χ^2/NDF: 55.1/52

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: 16.870+/-0.004 χ^2/NDF:368864.0/9

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.367+/-0.004 χ^2/NDF:159964.4/7

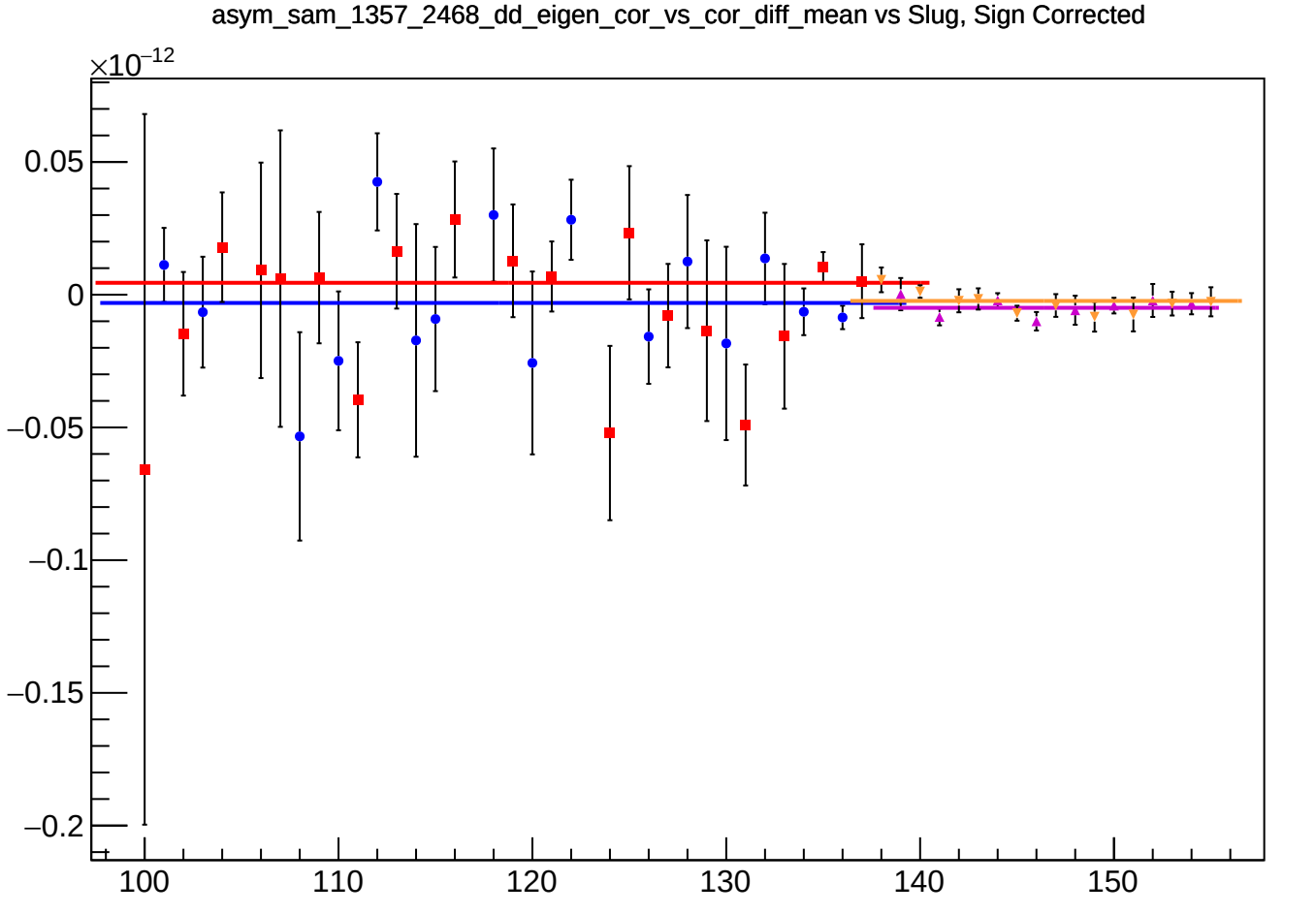
Left: 16.625+/-0.003 χ^2/NDF: 535269.4/17

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.957+/-0.004 χ^2/NDF:1193772.5/23

Out: 18.170+/-0.003 χ^2/NDF:1464994.7/28

All: 18.066+/-0.002 χ^2/NDF: 2660625.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.8/9

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/7

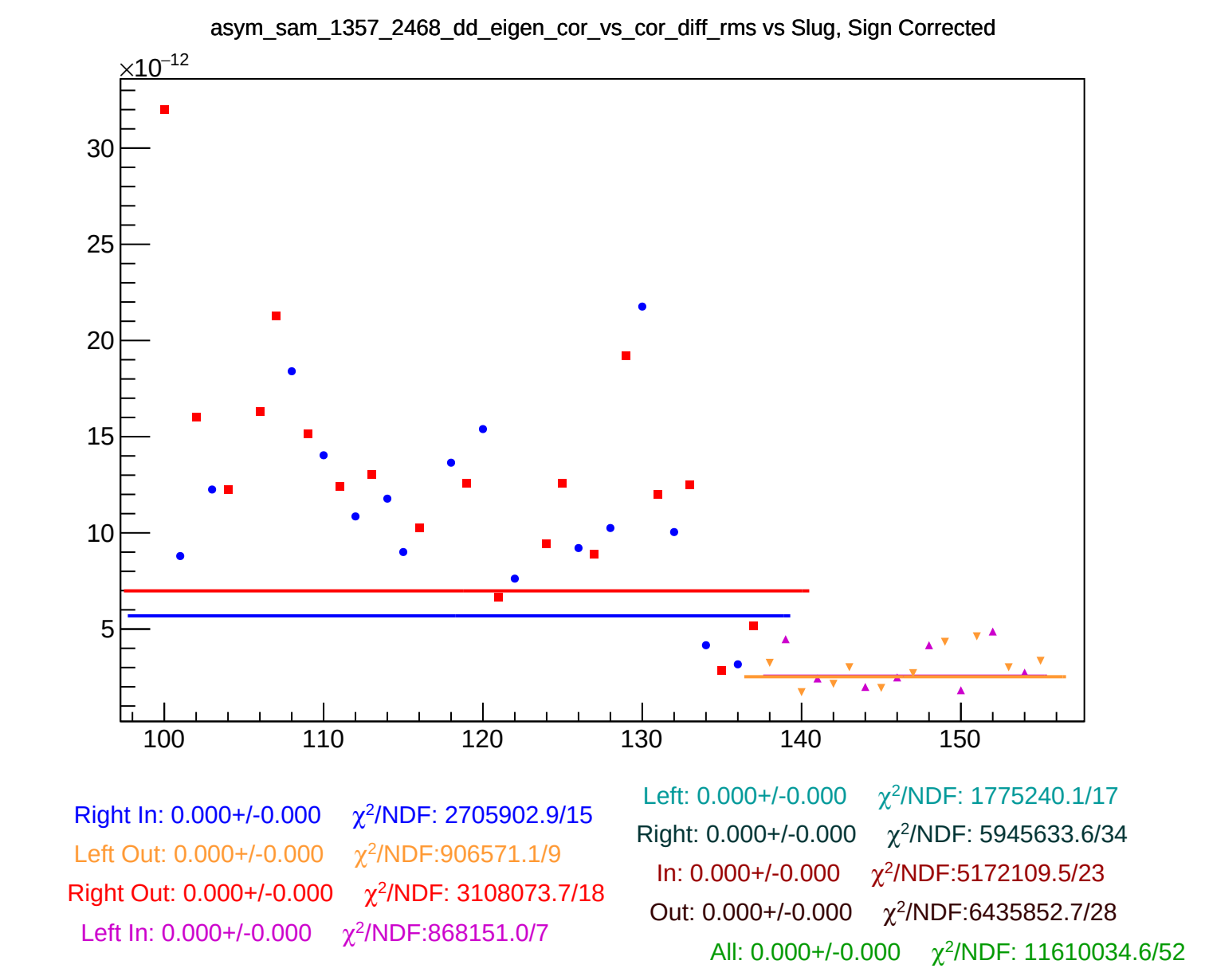
Left: -0.000+/-0.000 χ^2/NDF: 17.4/17

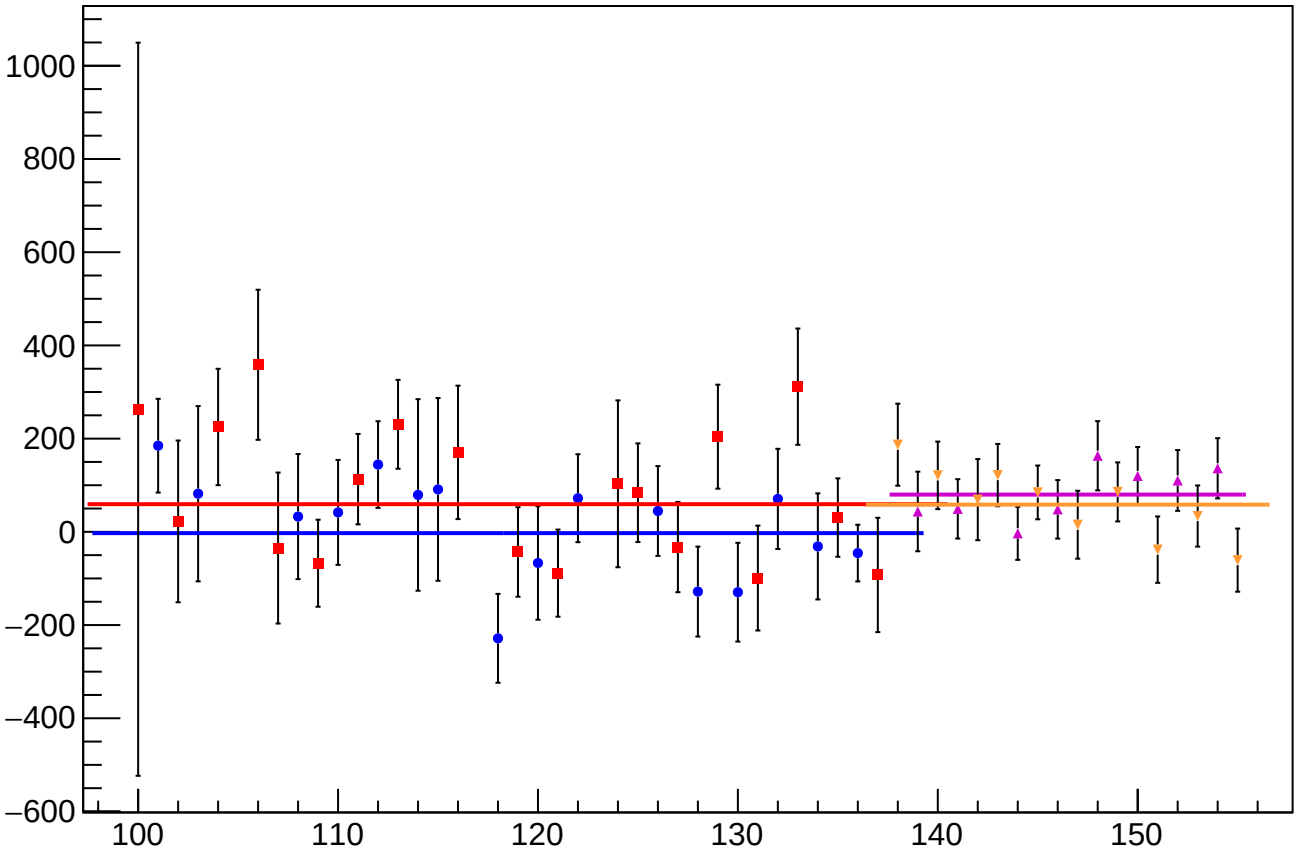
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:25.8/23

Out: -0.000+/-0.000 χ^2/NDF:31.3/28

All: -0.000+/-0.000 χ^2/NDF: 60.1/52


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:906571.1/9
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:868151.0/7
Left: 0.000+/-0.000 χ²/NDF: 1775240.1/17
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:5172109.5/23
Out: 0.000+/-0.000 χ²/NDF:6435852.7/28
All: 0.000+/-0.000 χ²/NDF: 11610034.6/52



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 58.399+/-22.030 χ^2/NDF:9.6/9

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 79.930+/-23.172 χ^2/NDF:5.5/7

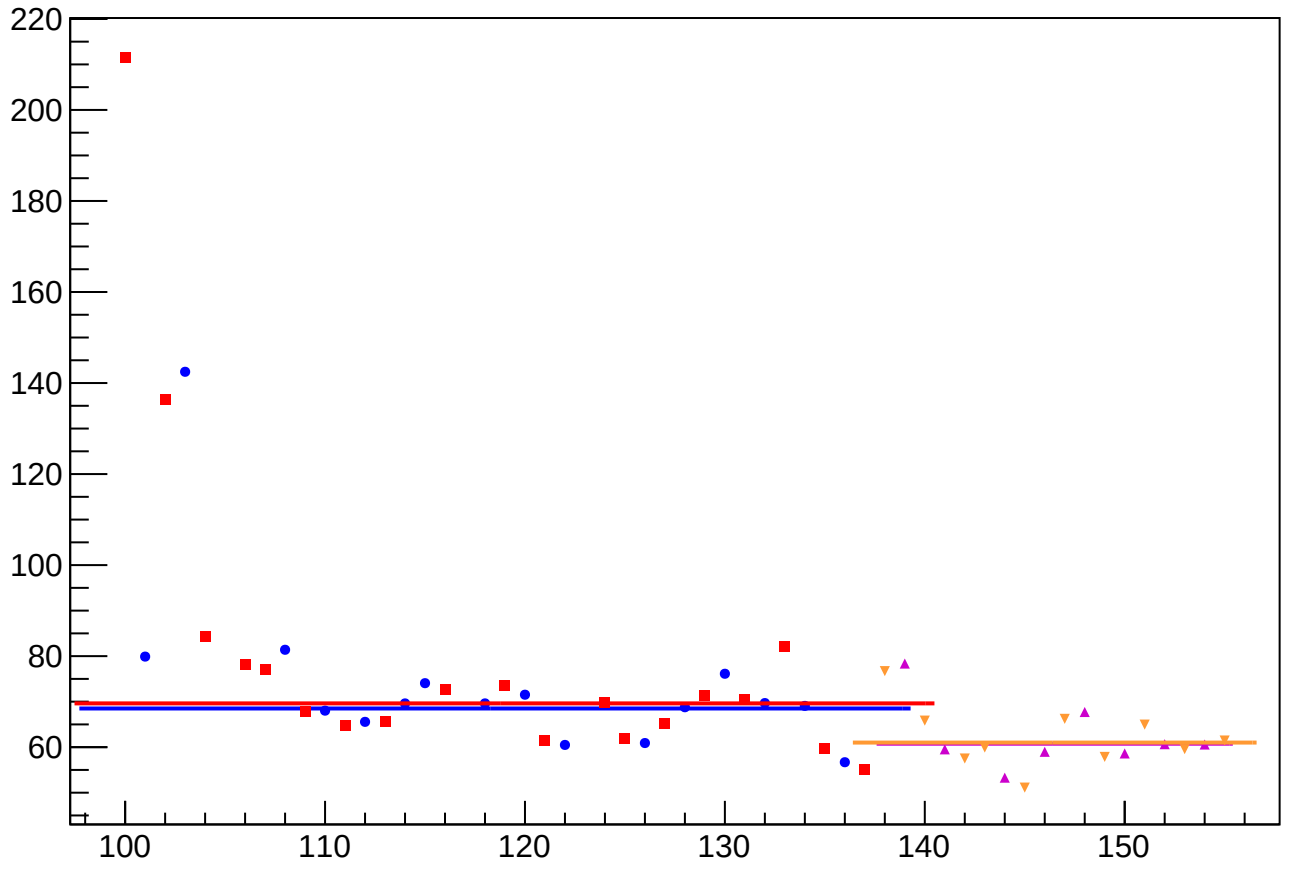
Left: 68.621+/-15.966 χ^2/NDF: 15.5/17

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 43.654+/-17.361 χ^2/NDF:28.7/23

Out: 58.789+/-16.910 χ^2/NDF:35.3/28

All: 51.421+/-12.113 χ^2/NDF: 64.5/52



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 61.011+/-0.016 χ^2/NDF:157430.5/9

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.759+/-0.016 χ^2/NDF:141731.6/7

Left: 60.891+/-0.011 χ^2/NDF: 299287.2/17

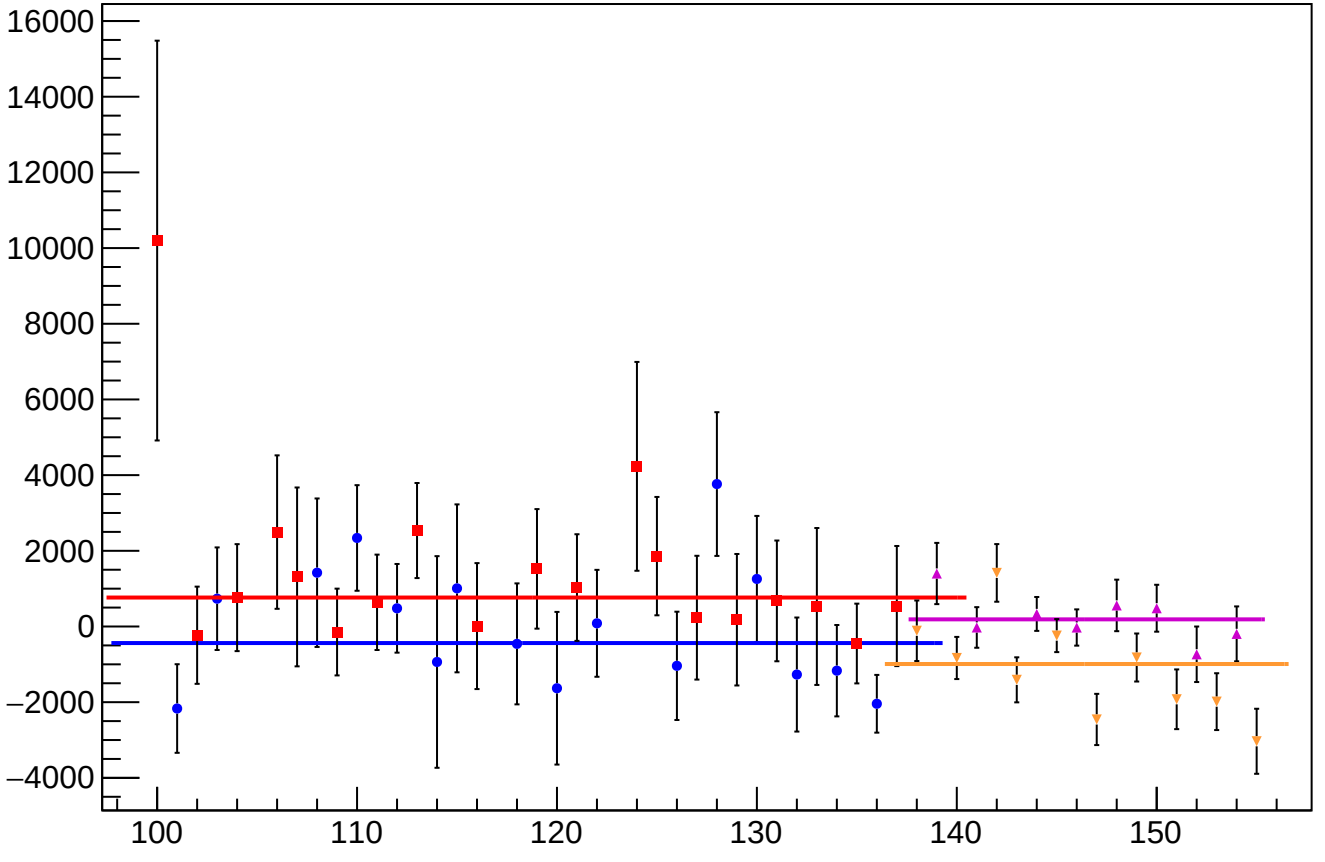
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 64.154+/-0.012 χ^2/NDF:711478.0/23

Out: 64.548+/-0.012 χ^2/NDF:803289.6/28

All: 64.356+/-0.009 χ^2/NDF: 1515296.2/52

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: -991.283+/-204.162 χ^2/NDF:28.3/9

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 188.694+/-209.138 χ^2/NDF:5.1/7

Left: -415.497+/-146.092 χ^2/NDF: 49.7/17

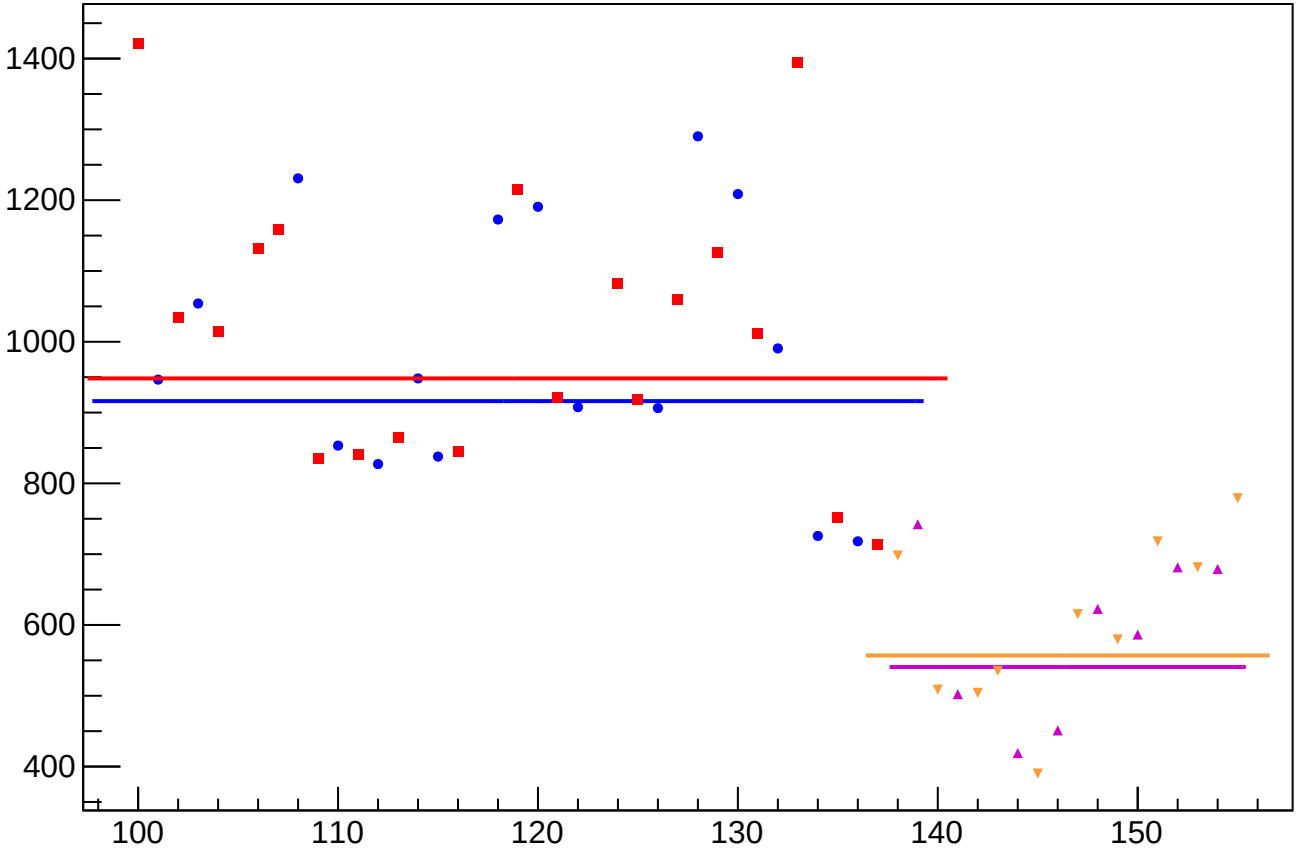
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 23.172+/-179.377 χ^2/NDF:28.0/23

Out: -551.068+/-176.739 χ^2/NDF:58.2/28

All: -268.202+/-125.896 χ^2/NDF: 91.4/52

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: 556.929+/-0.144 χ^2/NDF:671286.5/9

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 540.616+/-0.148 χ^2/NDF:538263.9/7

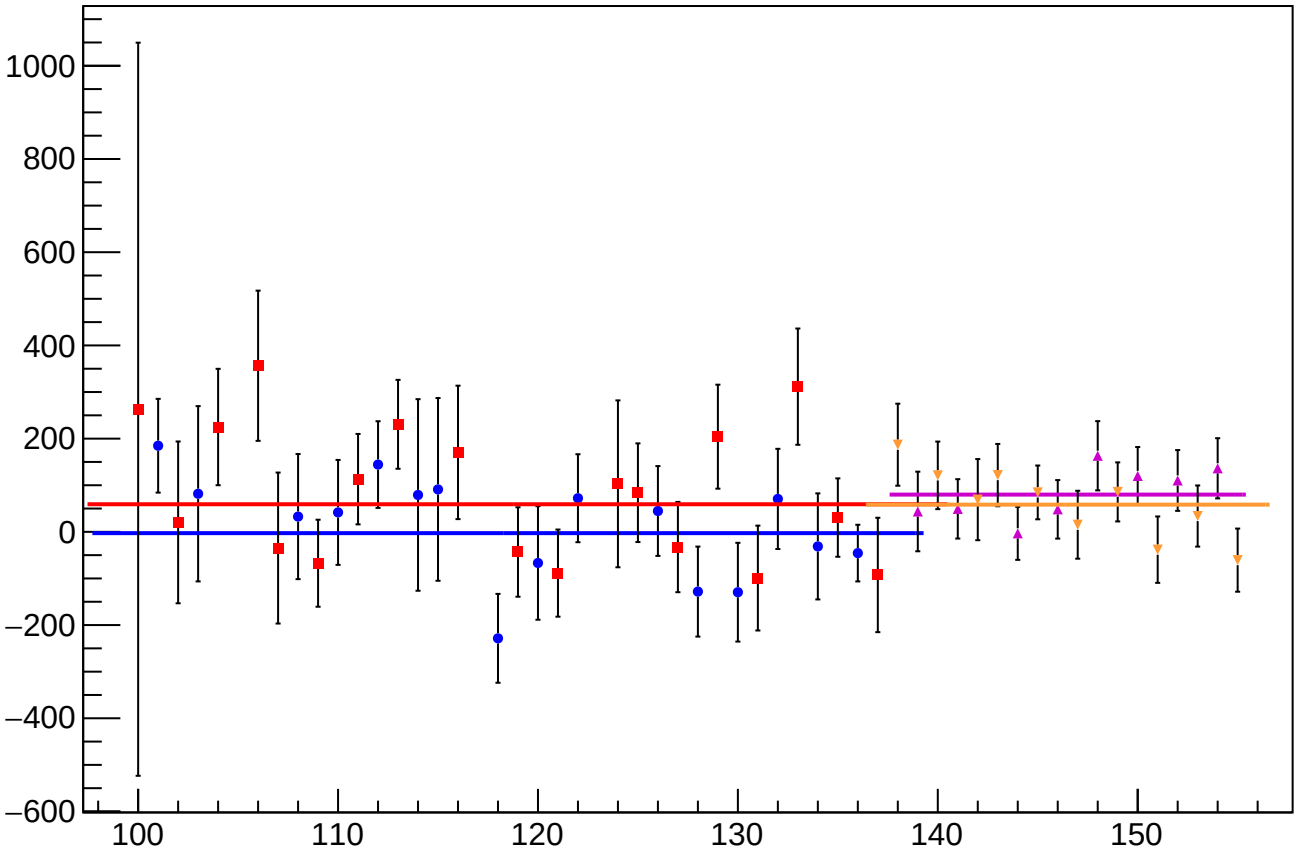
Left: 548.969+/-0.103 χ^2/NDF: 1215781.2/17

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 639.895+/-0.127 χ^2/NDF:2752271.8/23

Out: 654.992+/-0.125 χ^2/NDF:2927663.4/28

All: 647.555+/-0.089 χ^2/NDF: 5687123.5/52



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 58.405+/-22.030 χ^2/NDF:9.6/9

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 79.929+/-23.172 χ^2/NDF:5.5/7

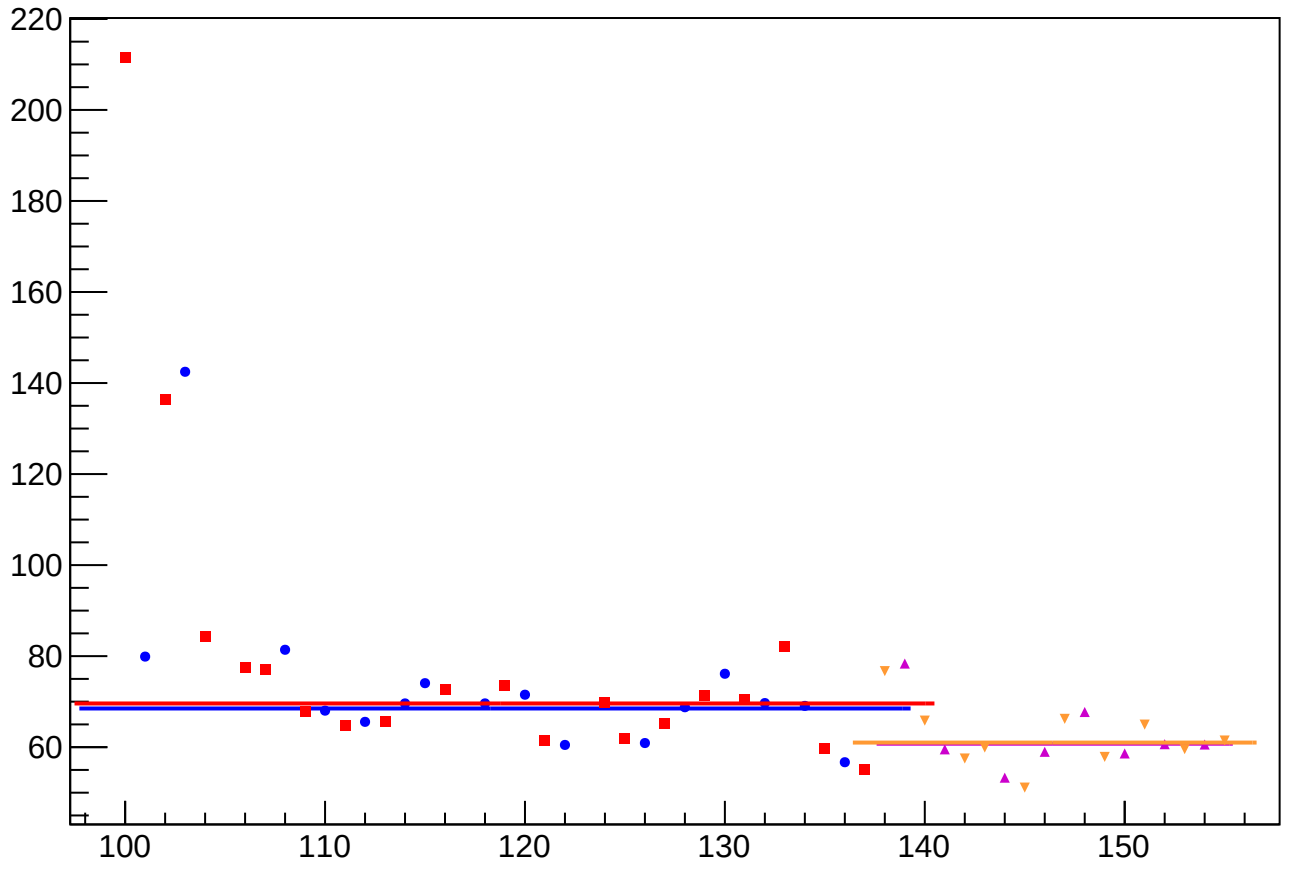
Left: 68.623+/-15.966 χ^2/NDF: 15.5/17

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 43.651+/-17.361 χ^2/NDF:28.7/23

Out: 58.742+/-16.910 χ^2/NDF:35.3/28

All: 51.395+/-12.114 χ^2/NDF: 64.4/52



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.011+/-0.016 χ^2/NDF:157430.5/9

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.759+/-0.016 χ^2/NDF:141731.6/7

Left: 60.891+/-0.011 χ^2/NDF: 299287.2/17

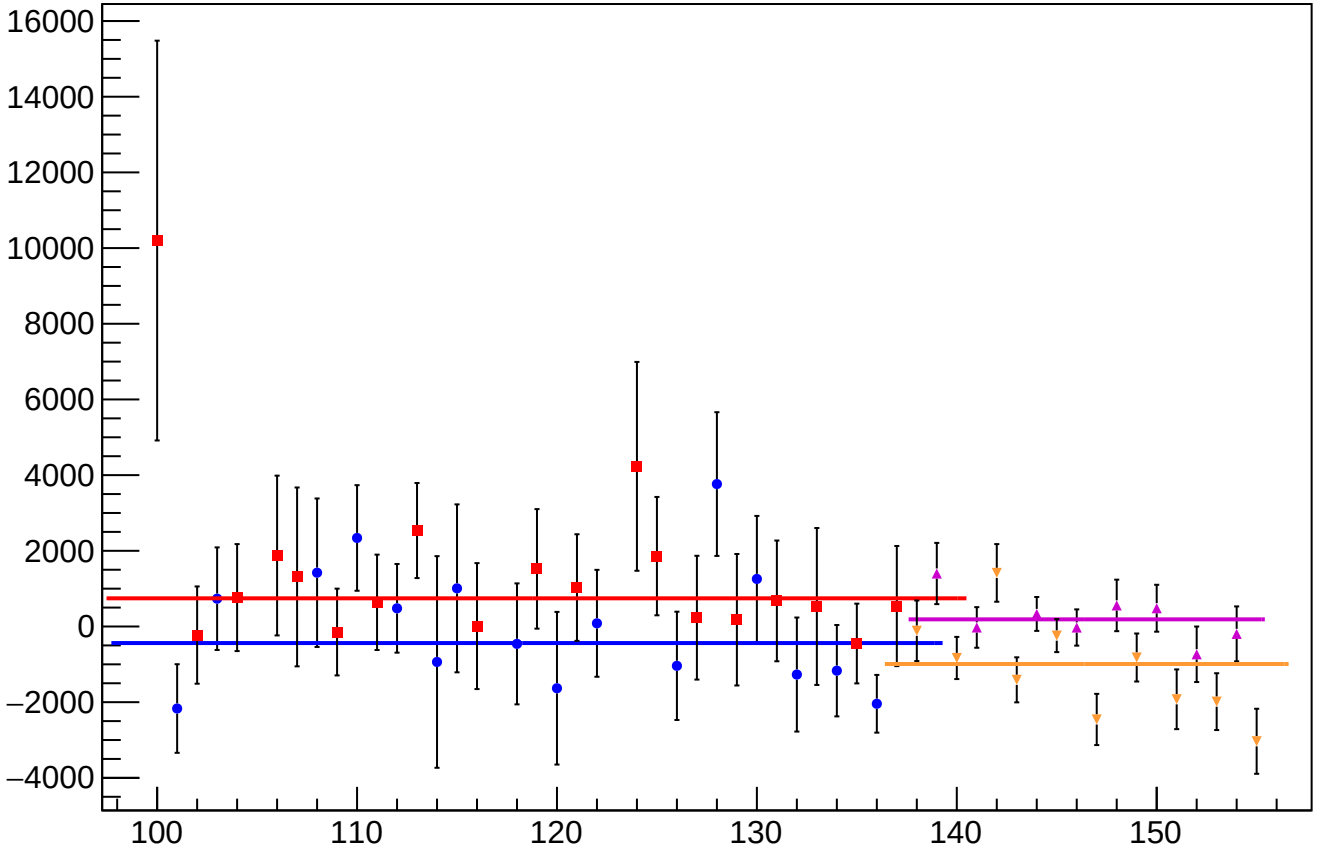
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 64.154+/-0.012 χ^2/NDF:711481.0/23

Out: 64.540+/-0.012 χ^2/NDF:802108.1/28

All: 64.352+/-0.009 χ^2/NDF: 1514096.2/52

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: -991.276+/-204.162 χ^2/NDF:28.3/9

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 188.697+/-209.138 χ^2/NDF:5.1/7

Left: -415.493+/-146.092 χ^2/NDF: 49.7/17

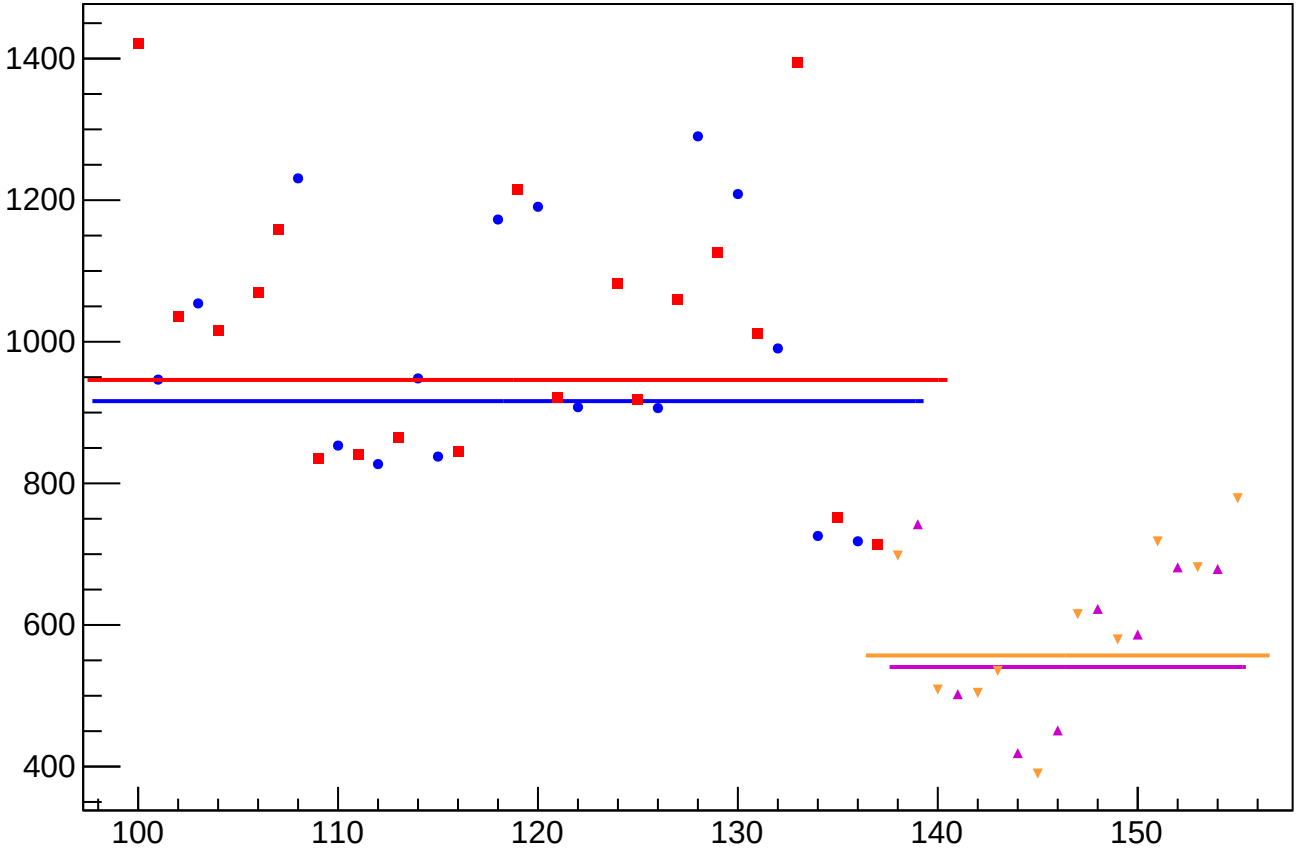
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 23.184+/-179.378 χ^2/NDF:28.0/23

Out: -557.118+/-176.793 χ^2/NDF:57.2/28

All: -271.177+/-125.915 χ^2/NDF: 90.5/52

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: 556.929+/-0.144 χ^2/NDF:671289.6/9

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 540.616+/-0.148 χ^2/NDF:538262.7/7

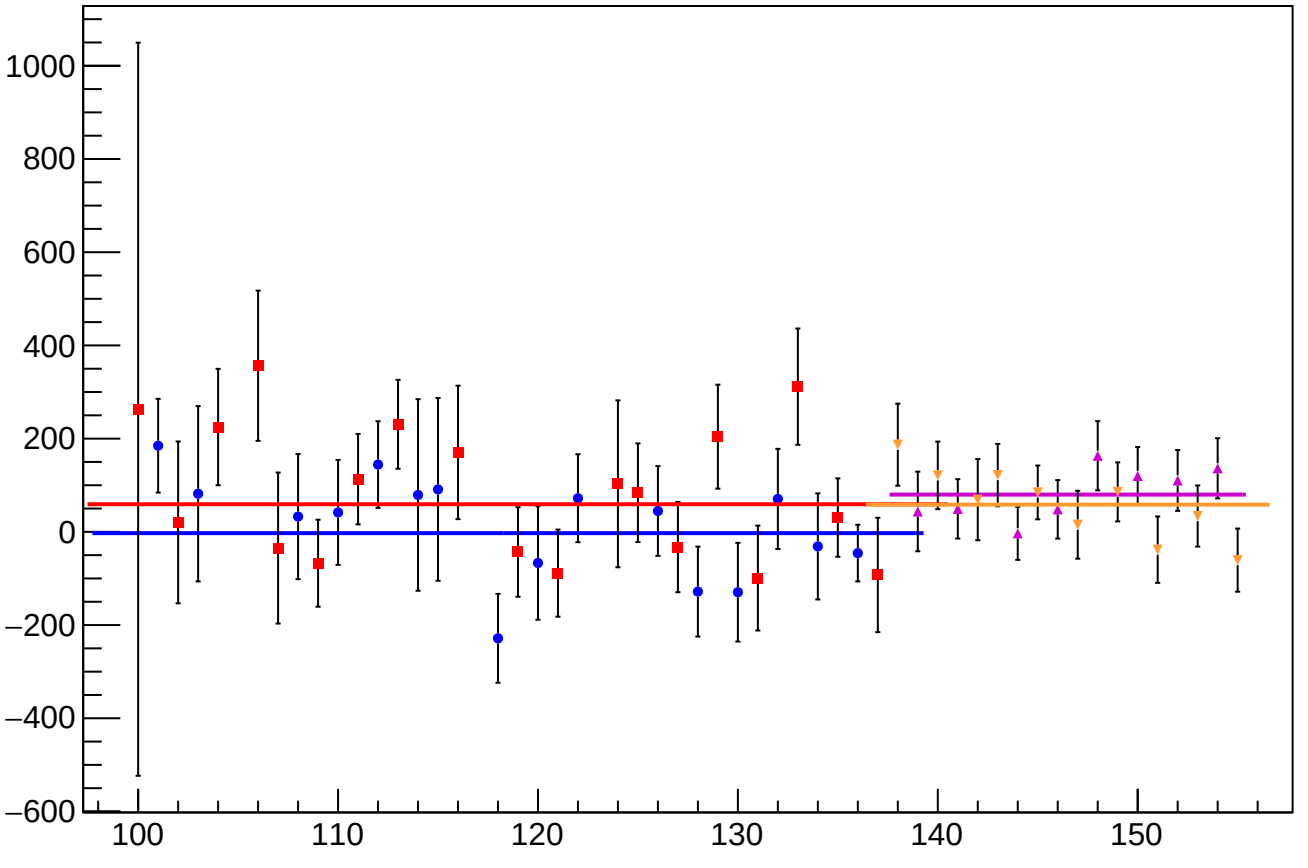
Left: 548.969+/-0.103 χ^2/NDF: 1215782.7/17

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 639.895+/-0.127 χ^2/NDF:2752312.7/23

Out: 654.274+/-0.125 χ^2/NDF:2894413.6/28

All: 647.189+/-0.089 χ^2/NDF: 5653245.2/52



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 58.405+/-22.030 χ^2/NDF:9.6/9

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 79.929+/-23.172 χ^2/NDF:5.5/7

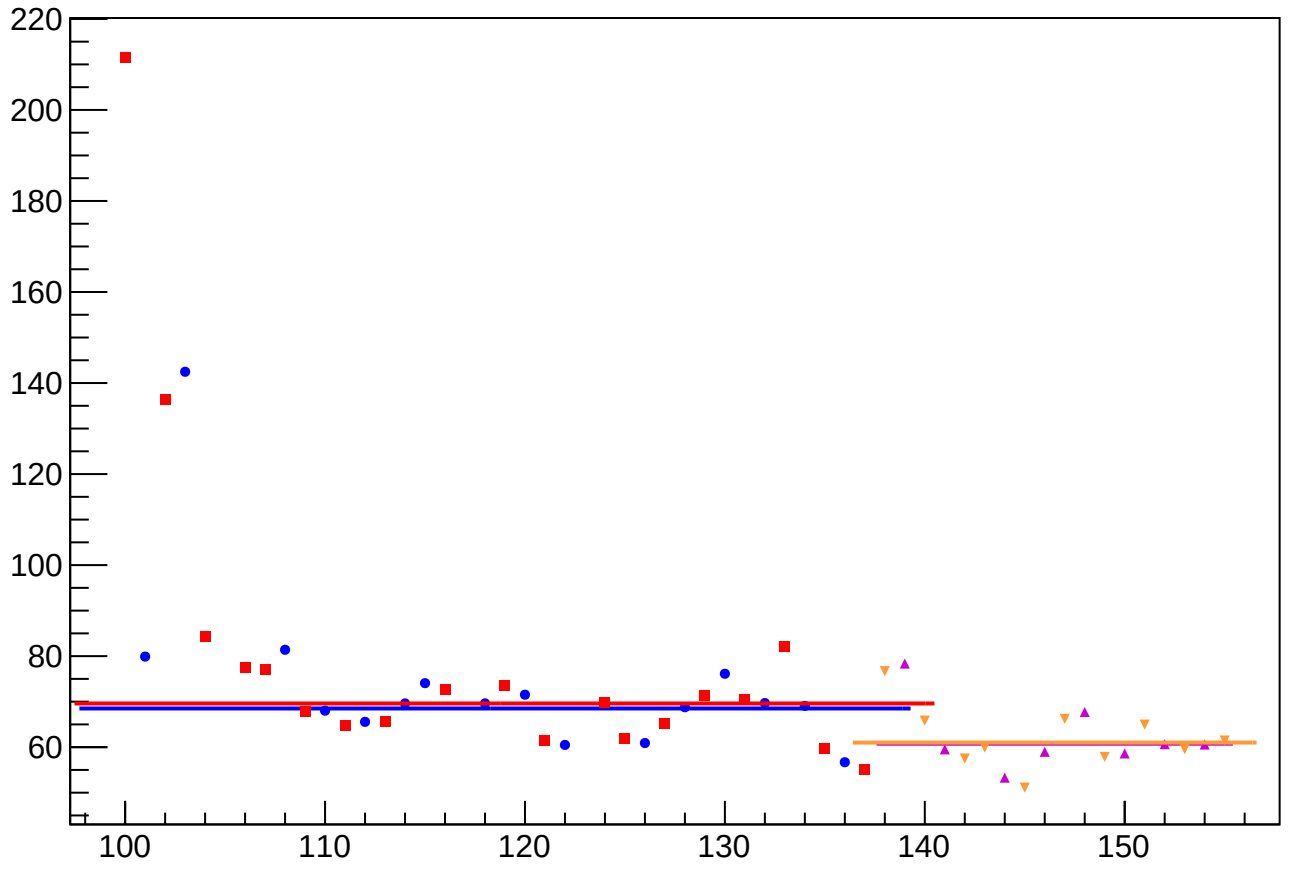
Left: 68.623+/-15.966 χ^2/NDF: 15.5/17

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 43.651+/-17.361 χ^2/NDF:28.7/23

Out: 58.742+/-16.910 χ^2/NDF:35.3/28

All: 51.395+/-12.114 χ^2/NDF: 64.4/52



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 61.011+/-0.016 χ^2/NDF:157430.5/9

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.759+/-0.016 χ^2/NDF:141731.6/7

Left: 60.891+/-0.011 χ^2/NDF: 299287.2/17

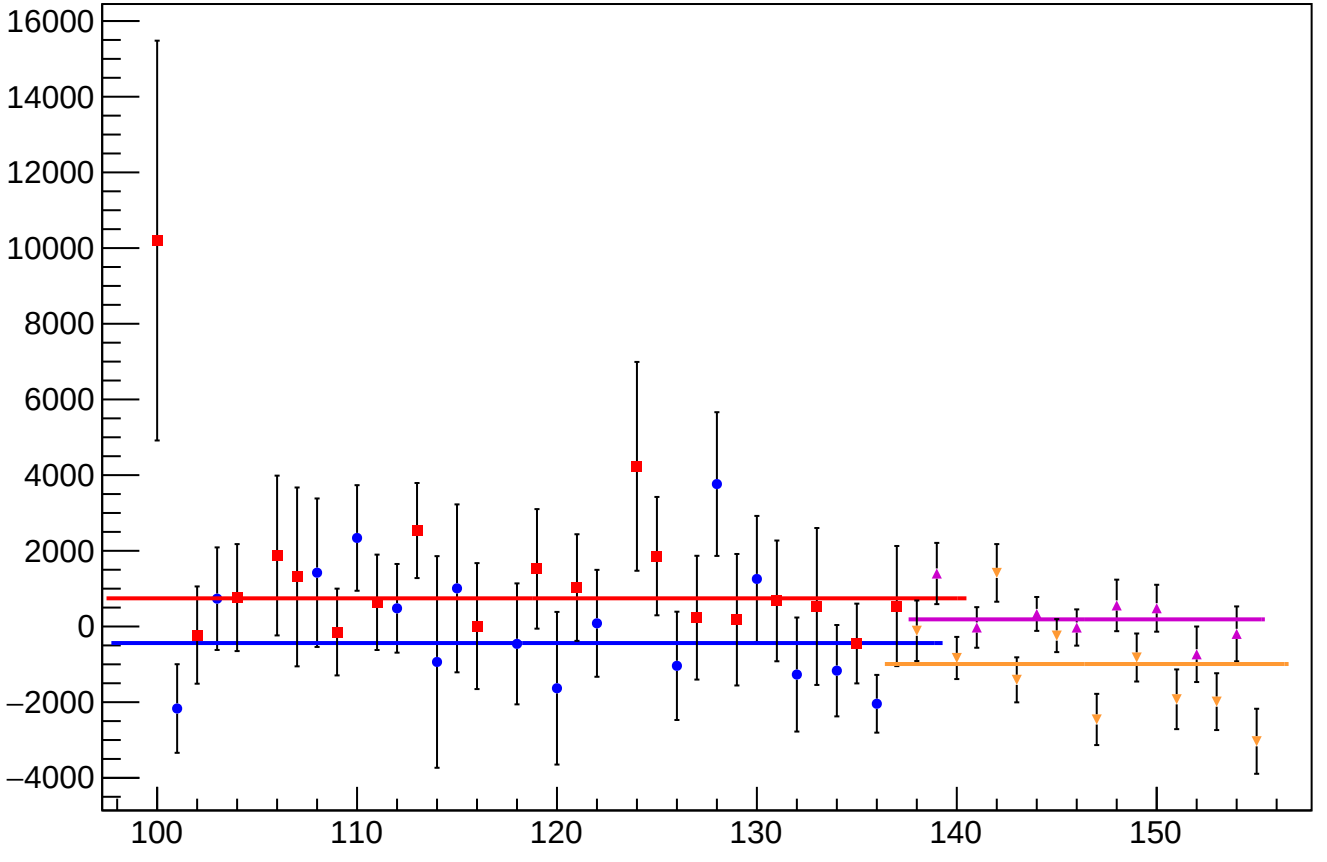
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 64.154+/-0.012 χ^2/NDF:711481.0/23

Out: 64.540+/-0.012 χ^2/NDF:802108.1/28

All: 64.352+/-0.009 χ^2/NDF: 1514096.2/52

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: -991.276+/-204.162 χ^2/NDF:28.3/9

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 188.697+/-209.138 χ^2/NDF:5.1/7

Left: -415.493+/-146.092 χ^2/NDF: 49.7/17

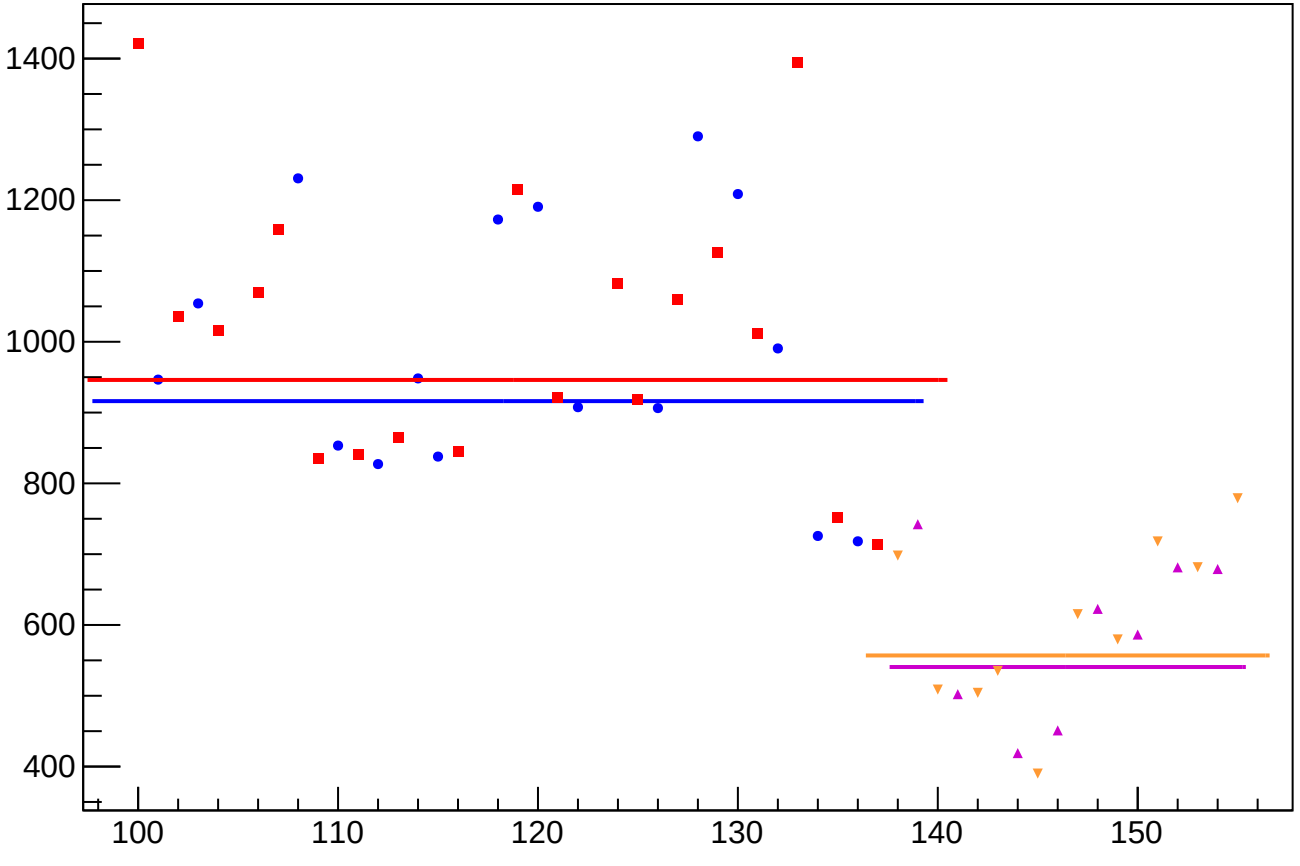
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 23.184+/-179.378 χ^2/NDF:28.0/23

Out: -557.118+/-176.793 χ^2/NDF:57.2/28

All: -271.177+/-125.915 χ^2/NDF: 90.5/52

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: 556.929+/-0.144 χ^2/NDF:671289.6/9

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 540.616+/-0.148 χ^2/NDF:538262.7/7

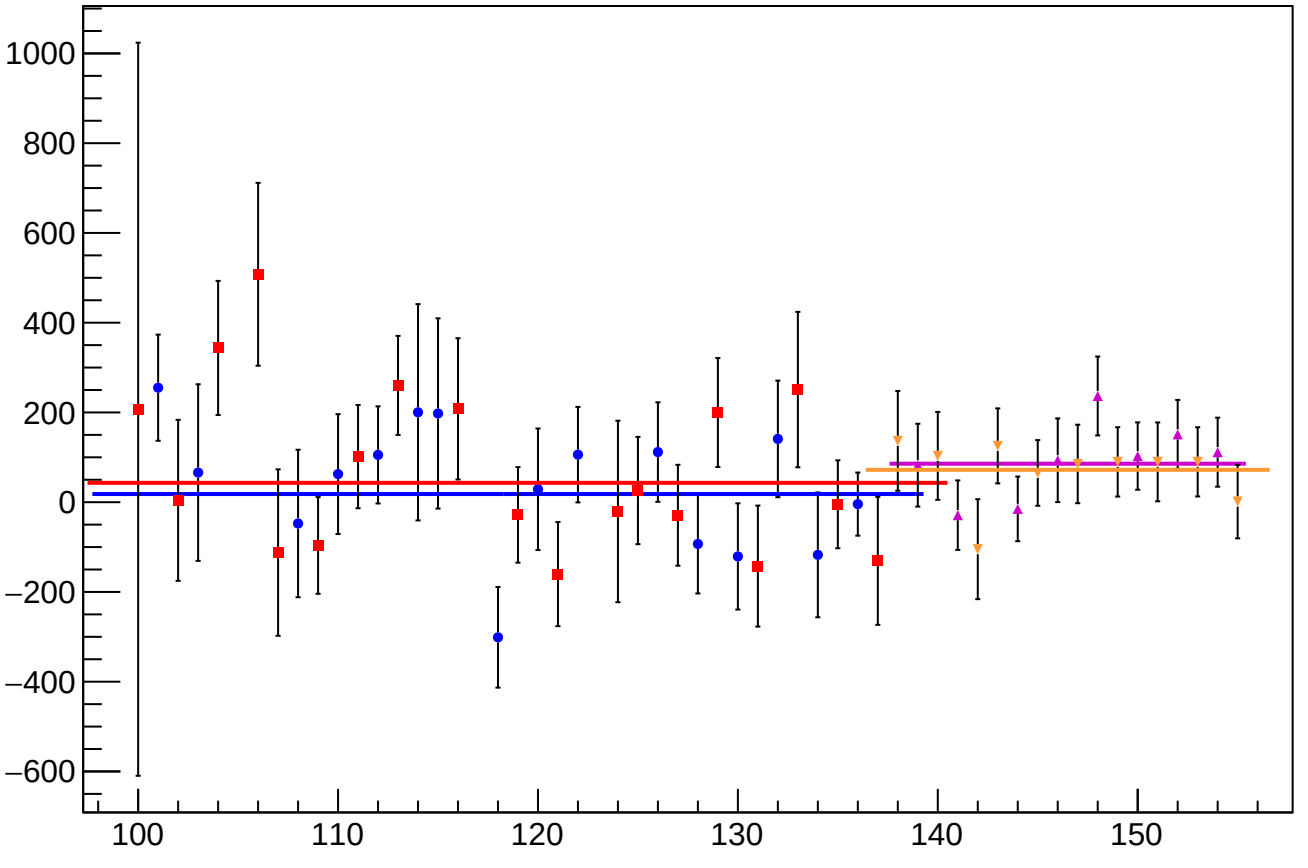
Left: 548.969+/-0.103 χ^2/NDF: 1215782.7/17

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 639.895+/-0.127 χ^2/NDF:2752312.7/23

Out: 654.274+/-0.125 χ^2/NDF:2894413.6/28

All: 647.189+/-0.089 χ^2/NDF: 5653245.2/52



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 72.103+/-27.310 χ^2/NDF:4.3/9

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 85.786+/-28.423 χ^2/NDF:8.0/7

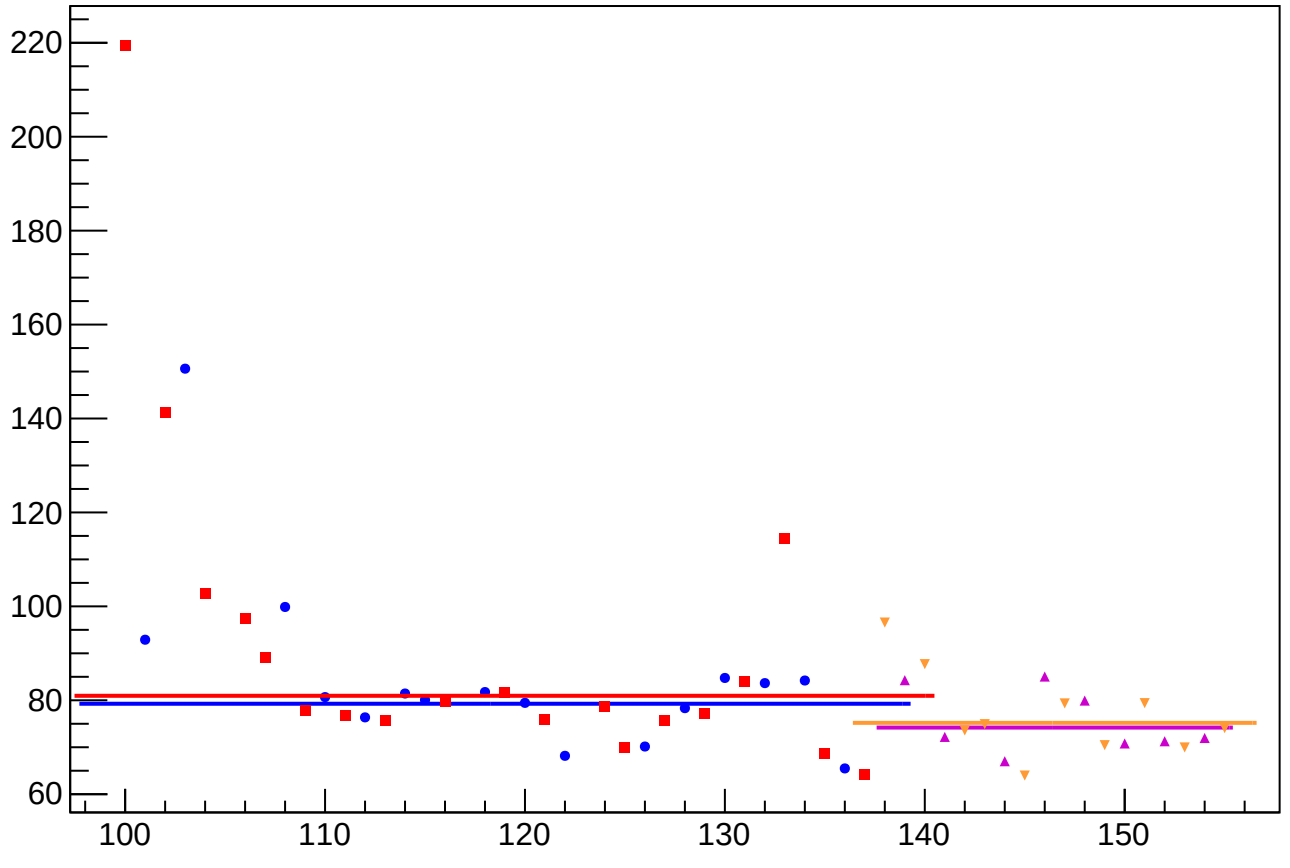
Left: 78.671+/-19.693 χ^2/NDF: 12.4/17

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 54.191+/-20.745 χ^2/NDF:30.8/23

Out: 59.314+/-20.407 χ^2/NDF:32.5/28

All: 56.794+/-14.548 χ^2/NDF: 63.3/52



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 75.199+/-0.019 χ^2/NDF:180100.8/9

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 74.189+/-0.020 χ^2/NDF:89330.0/7

Left: 74.714+/-0.014 χ^2/NDF: 270743.7/17

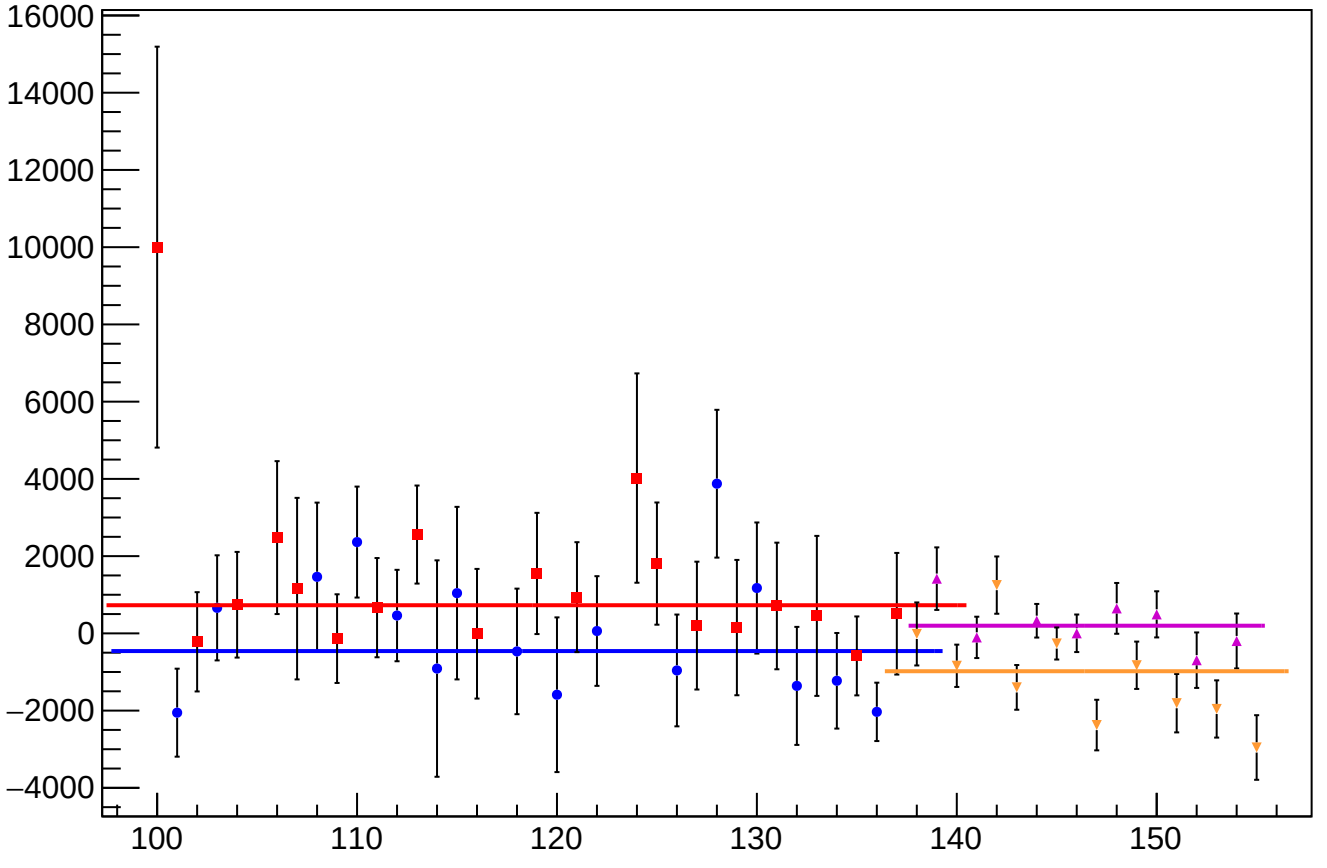
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 76.560+/-0.015 χ^2/NDF:564070.8/23

Out: 77.742+/-0.014 χ^2/NDF:733572.6/28

All: 77.161+/-0.010 χ^2/NDF: 1300945.3/52

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -980.168+/-198.271 χ^2/NDF:27.1/9

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 198.456+/-206.067 χ^2/NDF:5.4/7

Left: -413.571+/-142.875 χ^2/NDF: 49.5/17

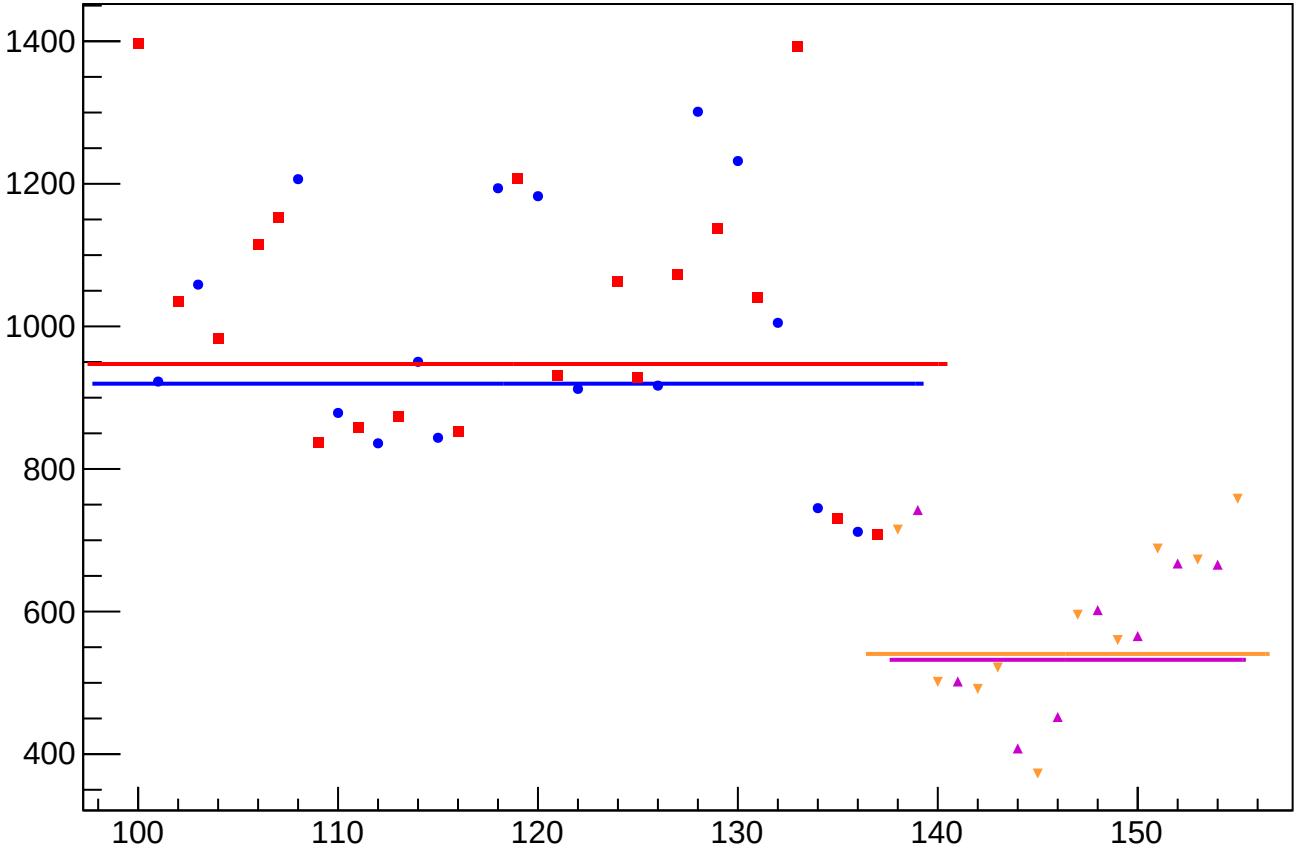
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 29.503+/-177.585 χ^2/NDF:28.3/23

Out: -569.582+/-172.819 χ^2/NDF:56.5/28

All: -278.186+/-123.852 χ^2/NDF: 90.6/52

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: 540.577+/-0.140 χ^2/NDF:731457.3/9

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 532.318+/-0.146 χ^2/NDF:528494.2/7

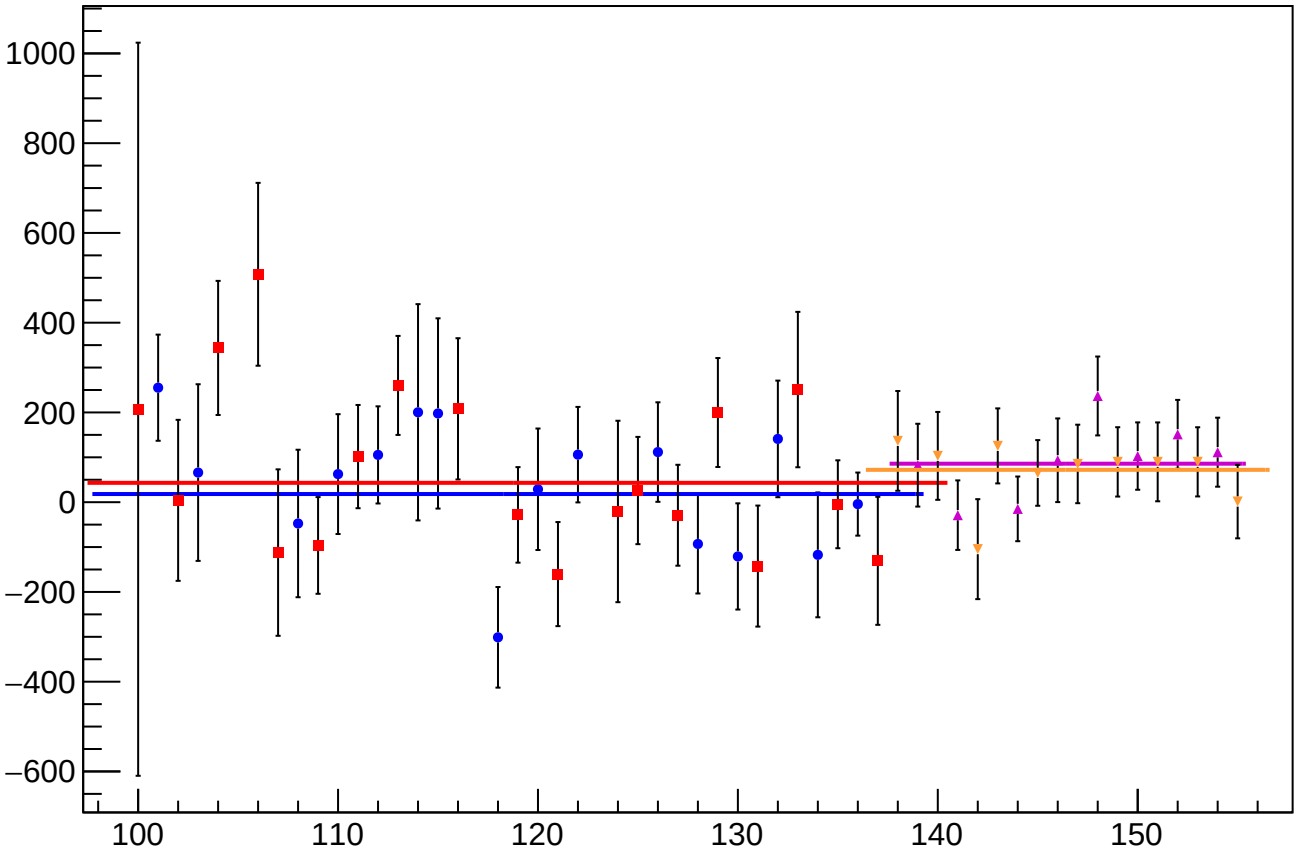
Left: 536.606+/-0.101 χ^2/NDF: 1261619.8/17

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 631.987+/-0.126 χ^2/NDF:2862154.7/23

Out: 638.290+/-0.122 χ^2/NDF:3178796.1/28

All: 635.224+/-0.088 χ^2/NDF: 6042244.9/52



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 72.104+/-27.310 χ^2/NDF:4.3/9

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 85.786+/-28.423 χ^2/NDF:8.0/7

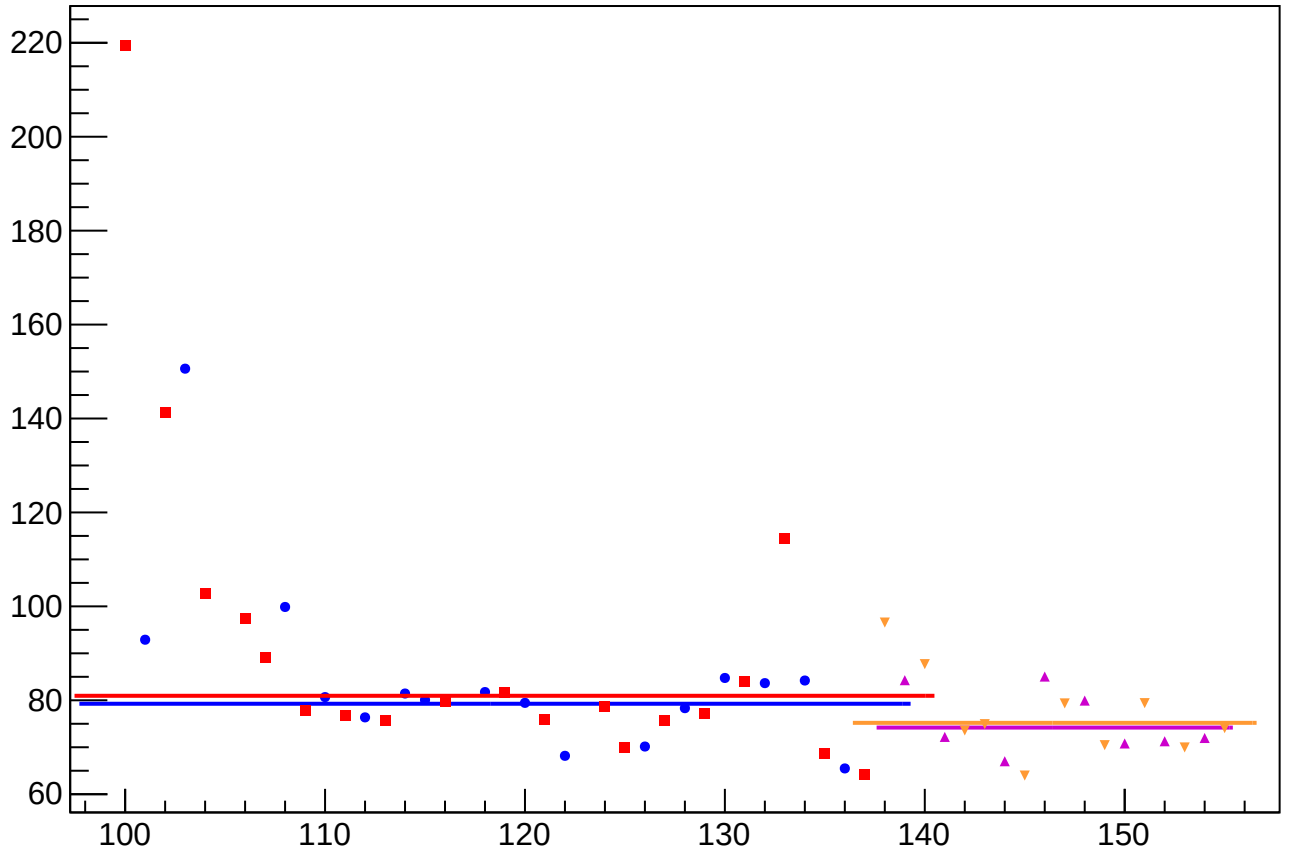
Left: 78.672+/-19.693 χ^2/NDF: 12.4/17

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 54.191+/-20.745 χ^2/NDF:30.8/23

Out: 59.313+/-20.407 χ^2/NDF:32.5/28

All: 56.794+/-14.548 χ^2/NDF: 63.3/52



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 75.199+/-0.019 χ^2/NDF:180093.4/9

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 74.189+/-0.020 χ^2/NDF:89328.0/7

Left: 74.714+/-0.014 χ^2/NDF: 270734.2/17

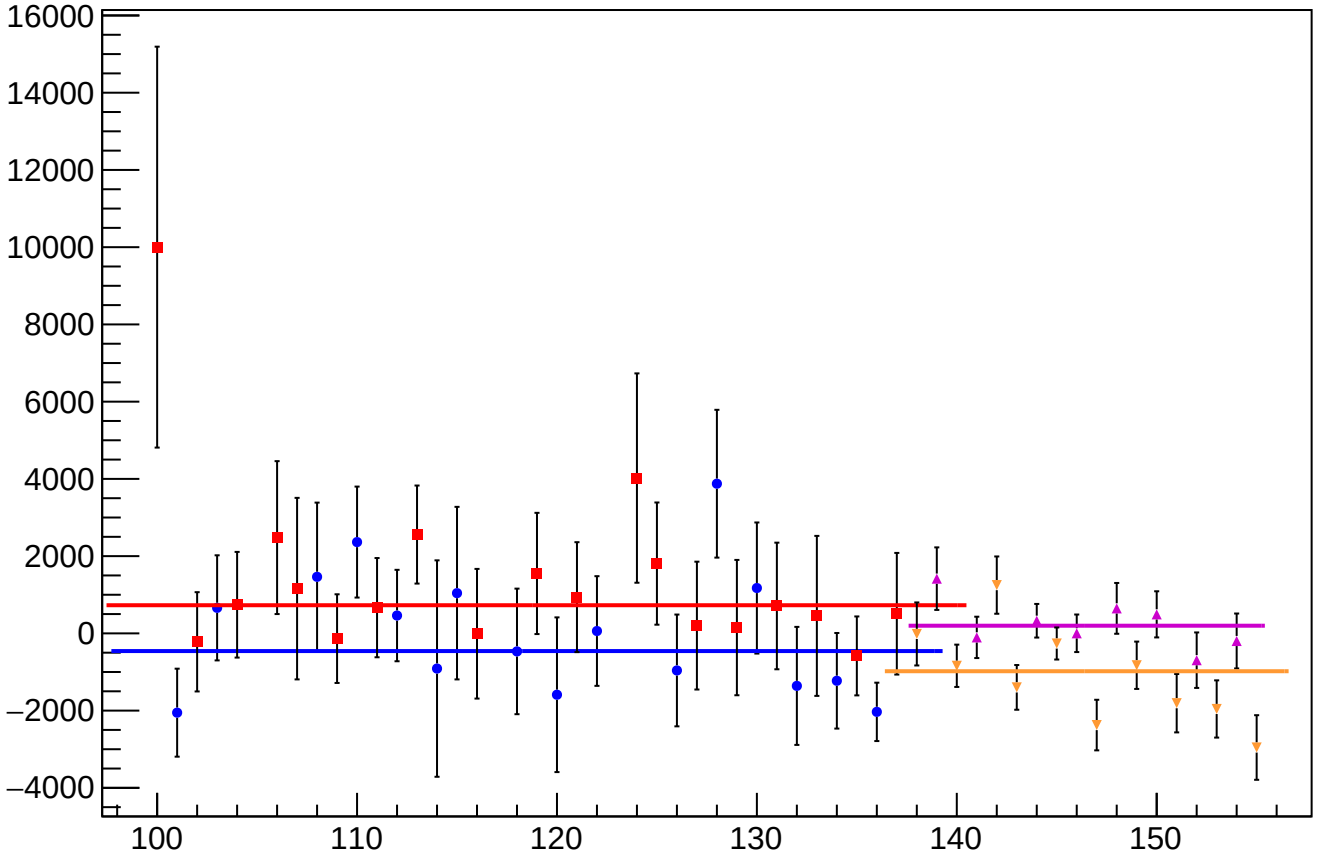
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 76.560+/-0.015 χ^2/NDF:564058.8/23

Out: 77.743+/-0.014 χ^2/NDF:733565.5/28

All: 77.161+/-0.010 χ^2/NDF: 1300926.5/52

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: -980.167+/-198.271 χ^2/NDF:27.1/9

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 198.456+/-206.066 χ^2/NDF:5.4/7

Left: -413.571+/-142.875 χ^2/NDF: 49.5/17

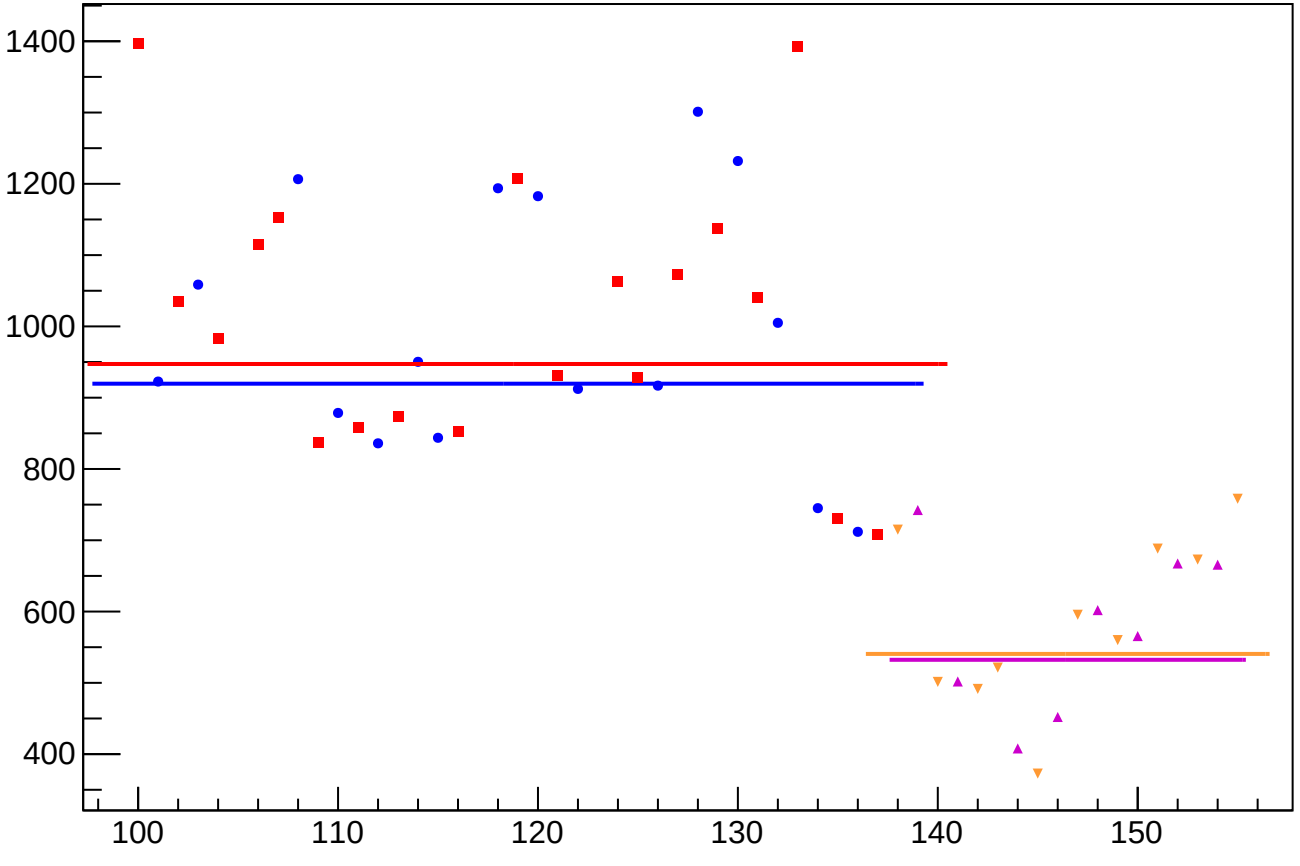
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 29.504+/-177.585 χ^2/NDF:28.3/23

Out: -569.582+/-172.819 χ^2/NDF:56.5/28

All: -278.186+/-123.852 χ^2/NDF: 90.6/52

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: 540.576+/-0.140 χ^2/NDF:731461.3/9

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 532.317+/-0.146 χ^2/NDF:528493.5/7

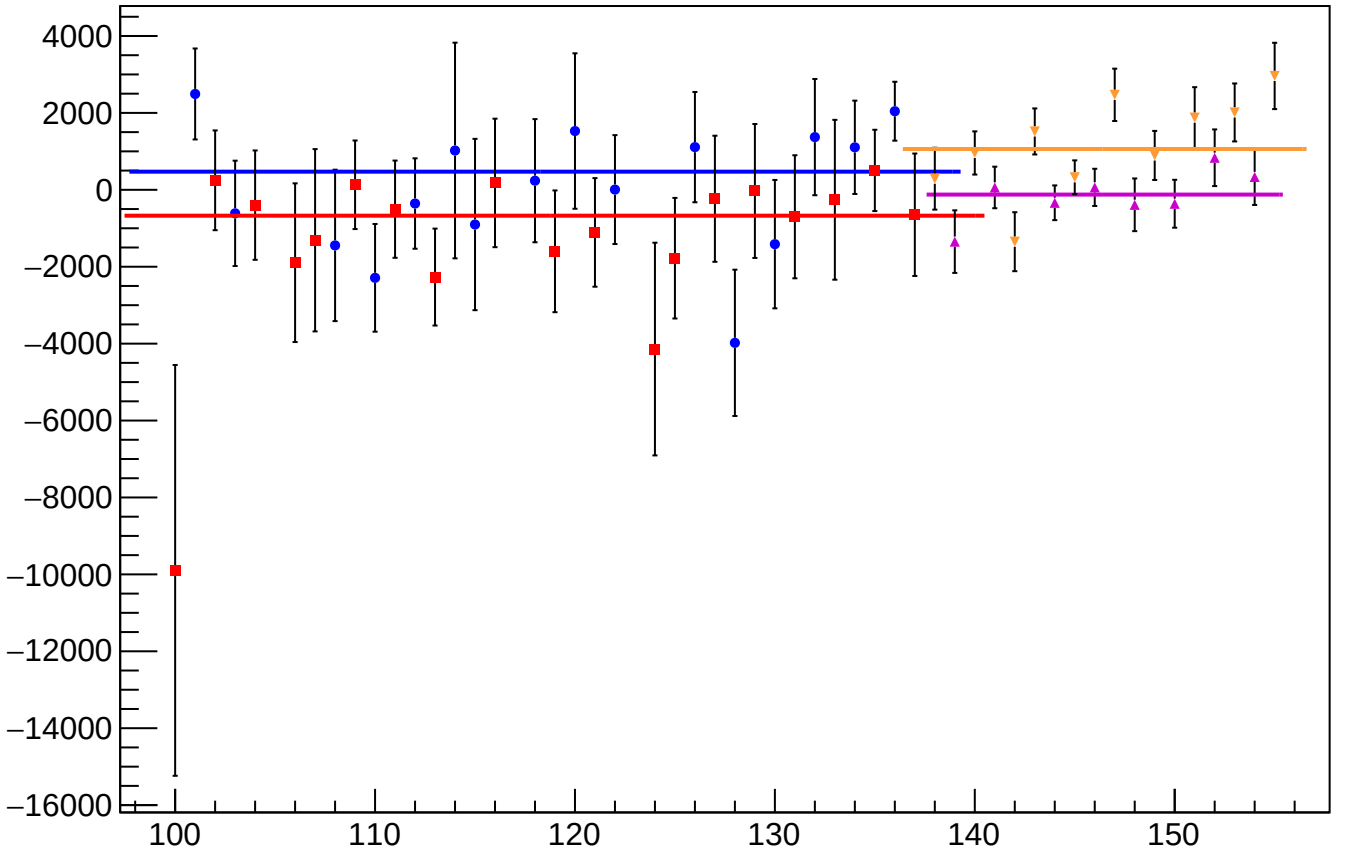
Left: 536.606+/-0.101 χ^2/NDF: 1261622.9/17

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 631.986+/-0.126 χ^2/NDF:2862147.5/23

Out: 638.289+/-0.122 χ^2/NDF:3178796.8/28

All: 635.223+/-0.088 χ^2/NDF: 6042238.2/52



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 1061.973+/-205.507 χ^2/NDF:26.1/9

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -124.154+/-210.571 χ^2/NDF:5.1/7

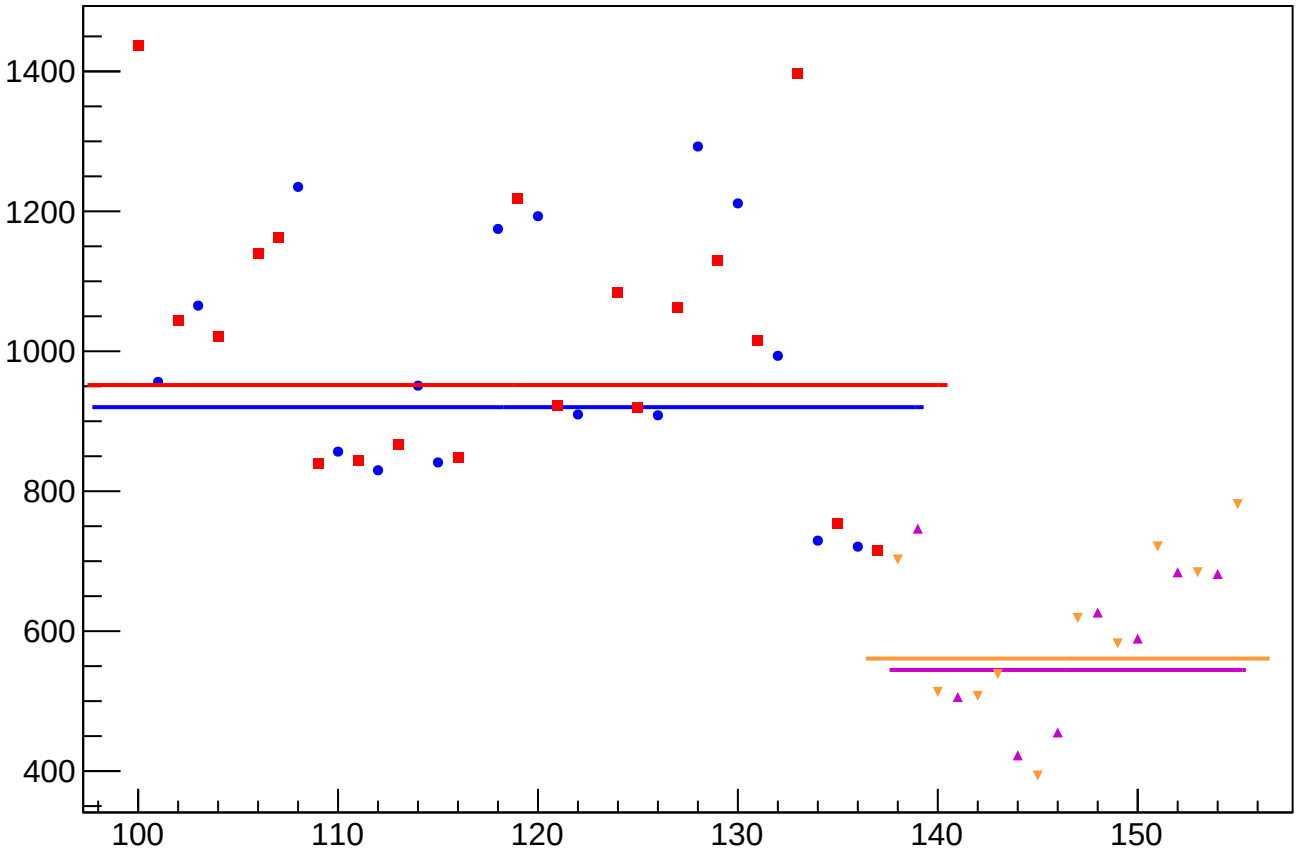
Left: 483.344+/-147.073 χ^2/NDF: 47.5/17

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 34.037+/-180.484 χ^2/NDF:28.8/23

Out: 625.712+/-177.794 χ^2/NDF:54.3/28

All: 334.318+/-126.660 χ^2/NDF: 88.5/52



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 560.797+/-0.145 χ^2/NDF:660473.0/9

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 544.510+/-0.149 χ^2/NDF:529609.2/7

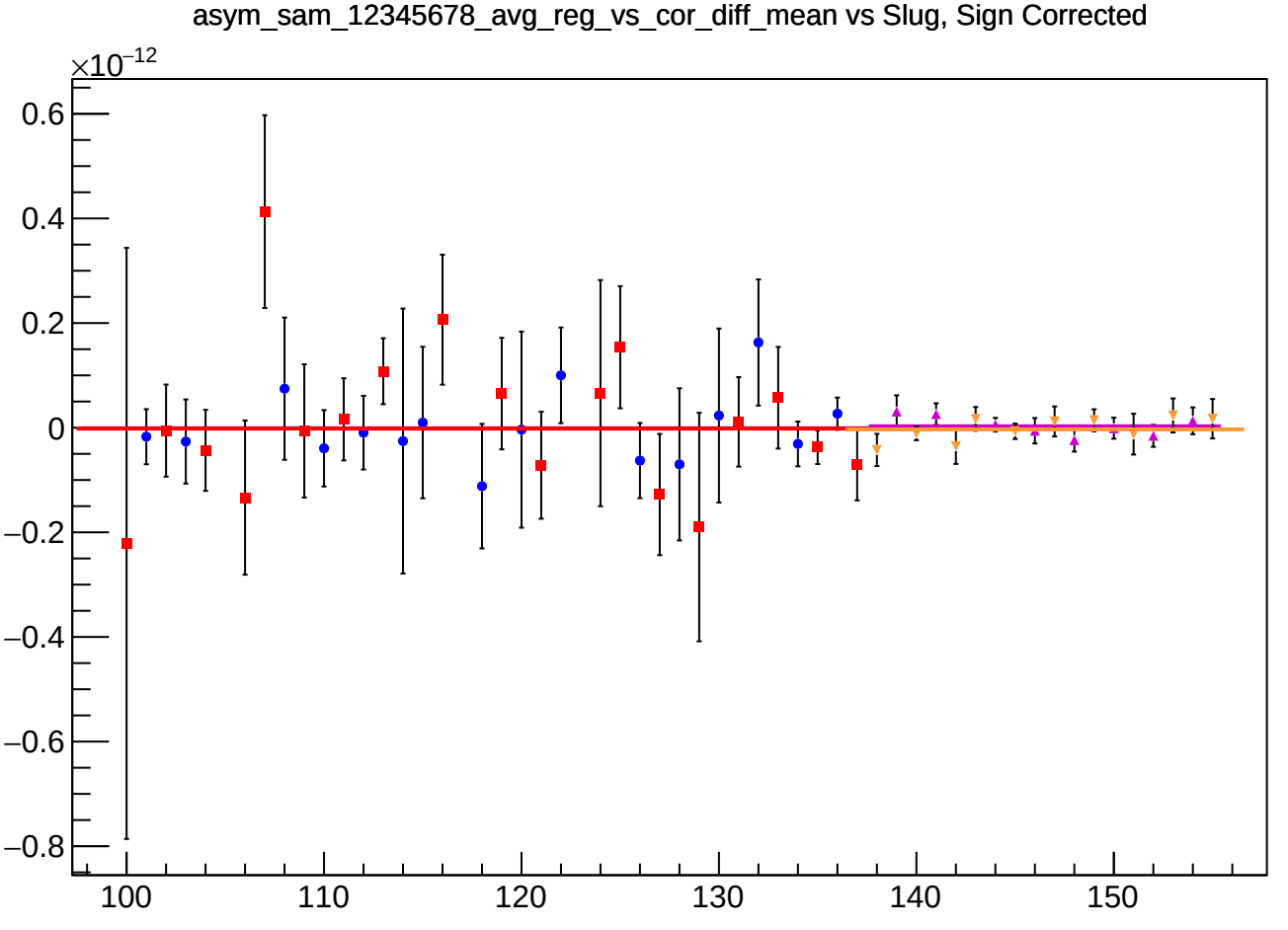
Left: 552.852+/-0.104 χ^2/NDF: 1196210.9/17

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 644.177+/-0.128 χ^2/NDF:2726912.4/23

Out: 659.123+/-0.126 χ^2/NDF:2896895.3/28

All: 651.763+/-0.090 χ^2/NDF: 5630768.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/9

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.7/7

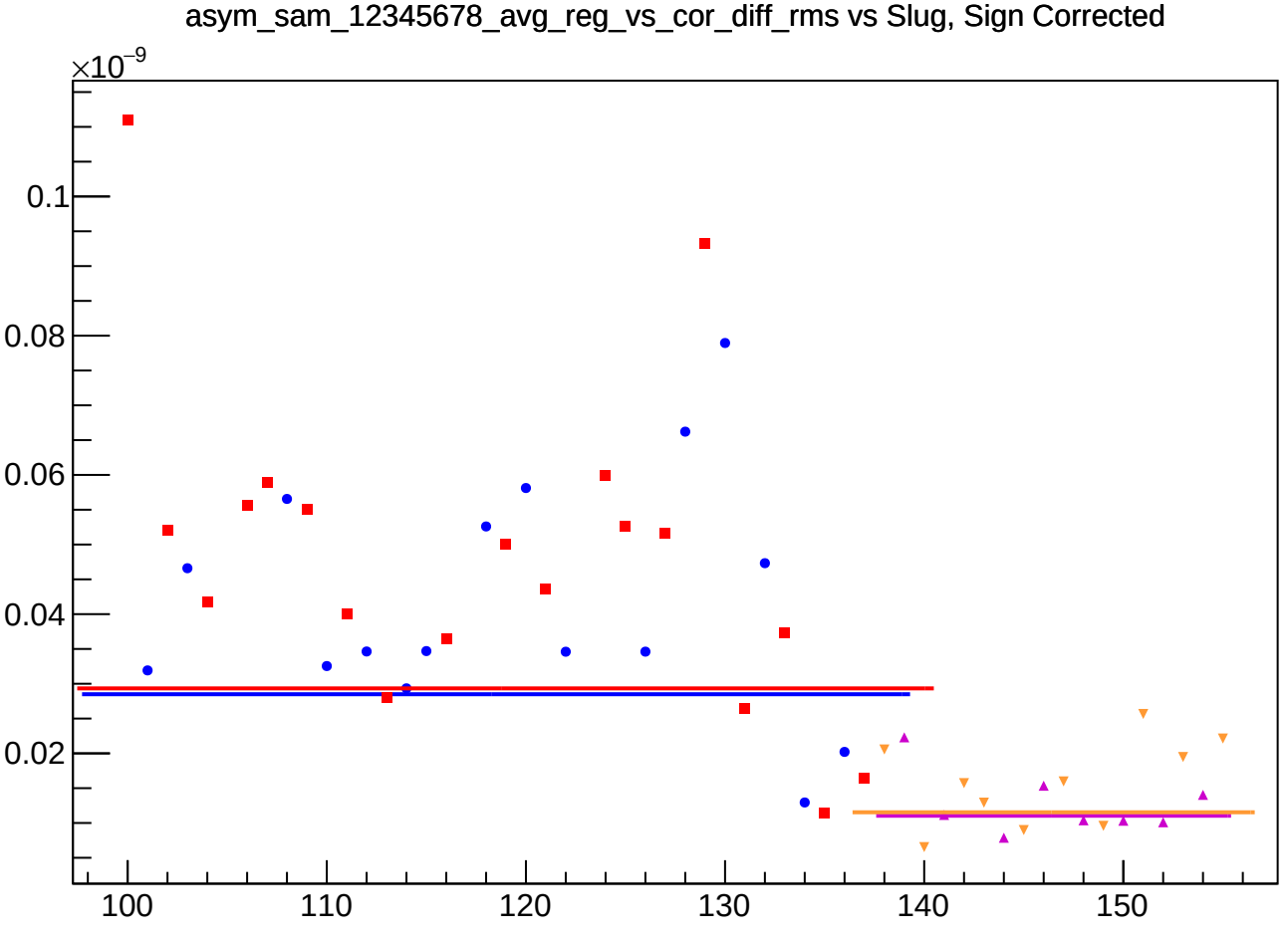
Left: -0.000+/-0.000 χ^2/NDF: 10.7/17

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:11.7/23

Out: -0.000+/-0.000 χ^2/NDF:25.1/28

All: -0.000+/-0.000 χ^2/NDF: 37.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1166376.4/9

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:478835.2/7

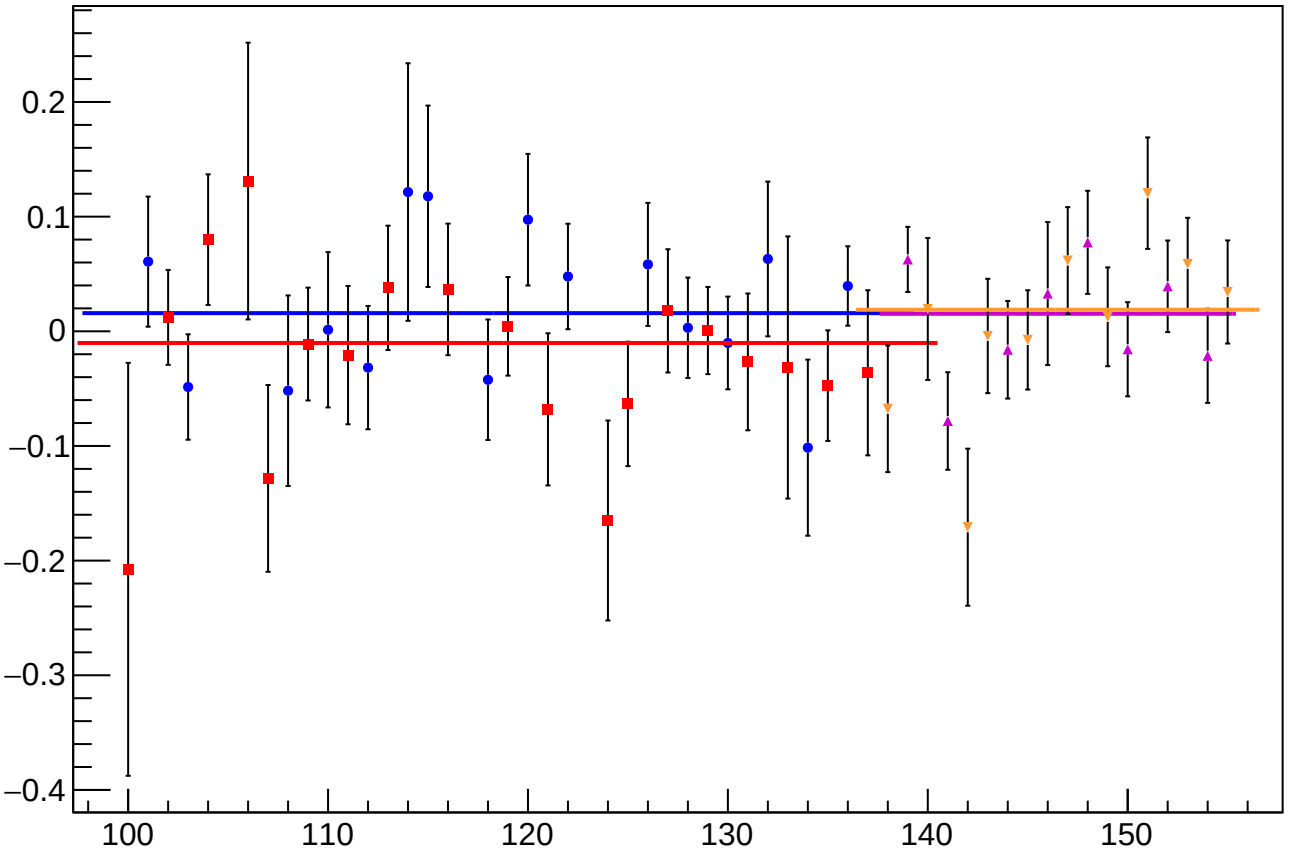
Left: 0.000+/-0.000 χ^2/NDF: 1650005.2/17

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3297276.0/23

Out: 0.000+/-0.000 χ^2/NDF:4318382.3/28

All: 0.000+/-0.000 χ^2/NDF: 7615973.5/52



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.019+/-0.015 χ^2/NDF:17.0/9

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.015+/-0.014 χ^2/NDF:11.9/7

Left: 0.017+/-0.010 χ^2/NDF: 29.0/17

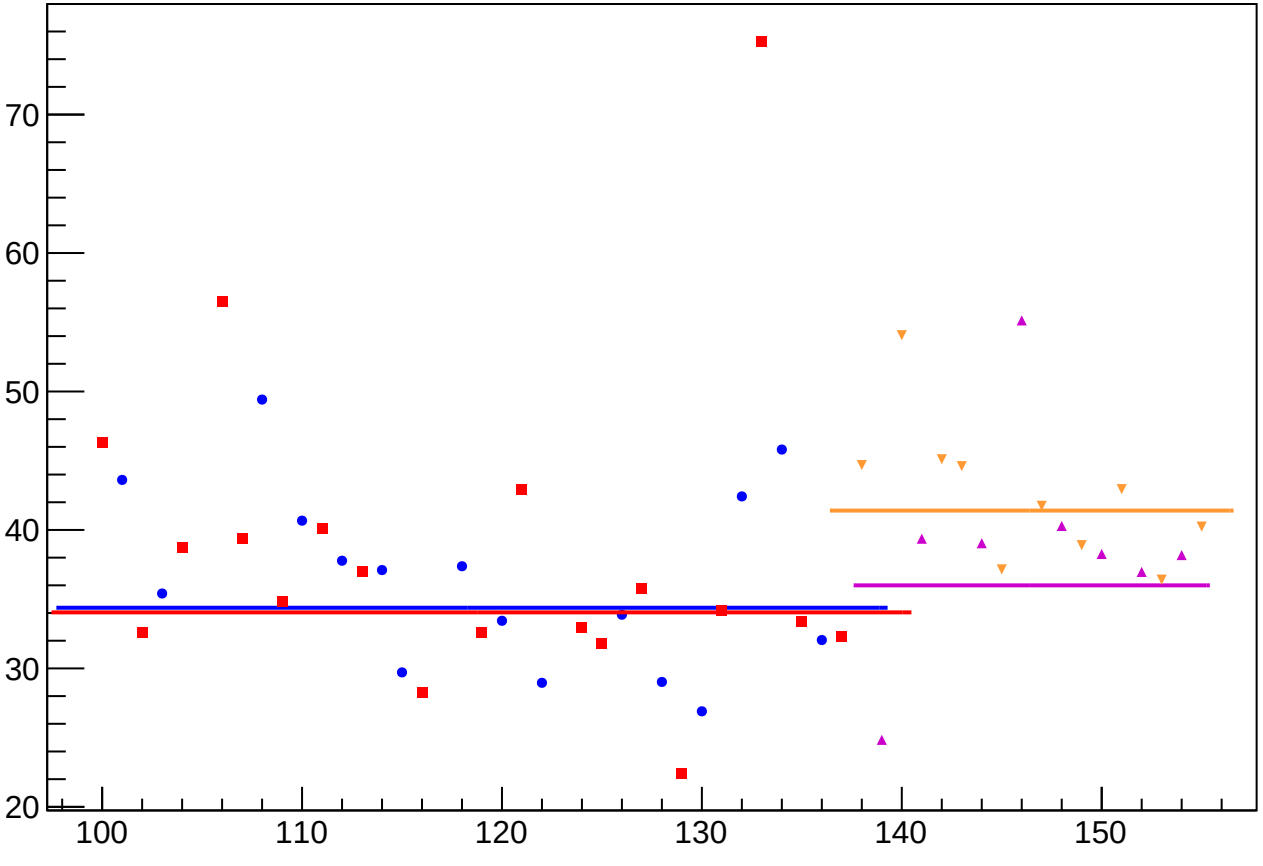
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.010 χ^2/NDF:26.6/23

Out: 0.002+/-0.010 χ^2/NDF:34.2/28

All: 0.009+/-0.007 χ^2/NDF: 61.8/52

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 41.400+/-0.011 χ^2/NDF:165038.7/9

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.998+/-0.010 χ^2/NDF:550878.1/7

Left: 38.512+/-0.007 χ^2/NDF: 849234.2/17

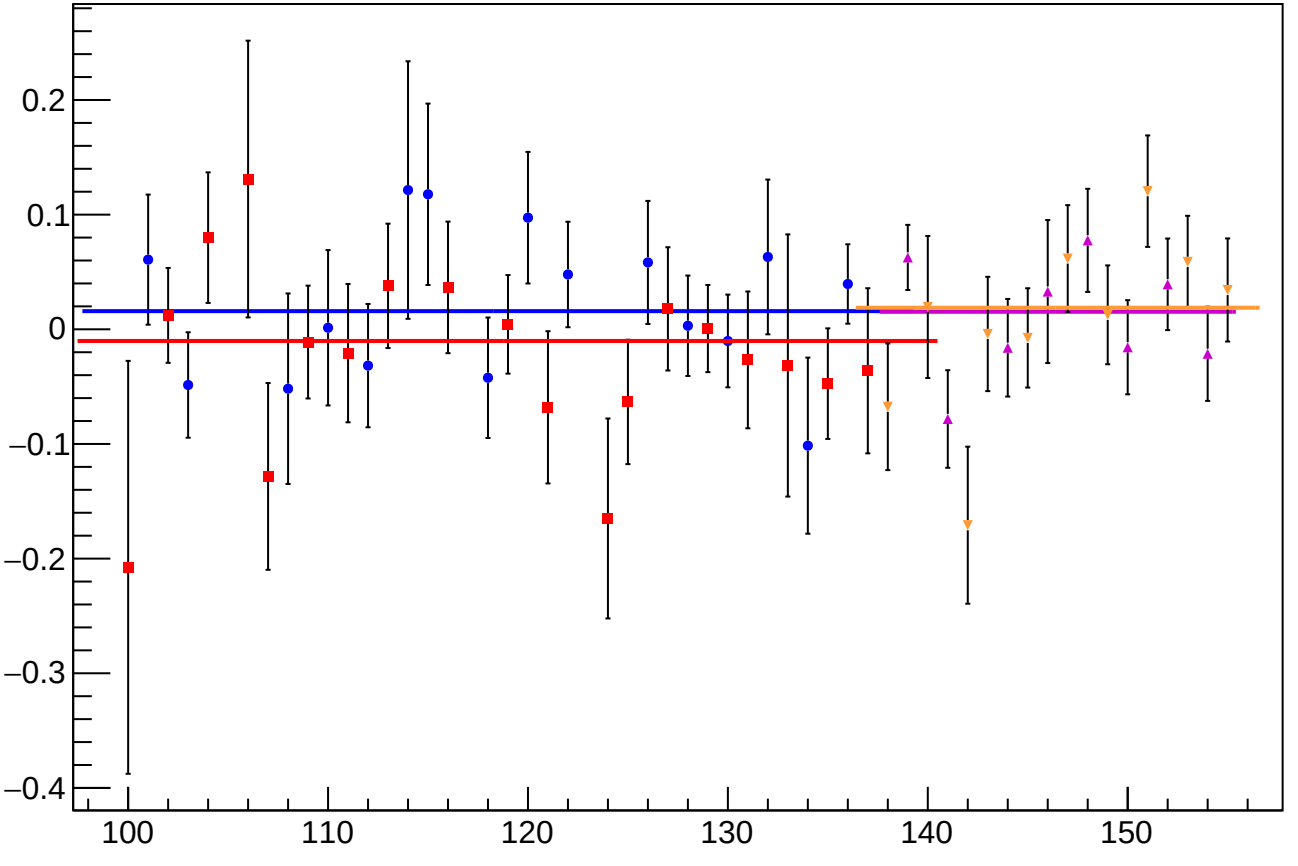
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 35.139+/-0.007 χ^2/NDF:932394.8/23

Out: 37.187+/-0.007 χ^2/NDF:1072440.1/28

All: 36.139+/-0.005 χ^2/NDF: 2047804.9/52

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.019+/-0.015 χ^2/NDF:17.0/9

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.015+/-0.014 χ^2/NDF:11.9/7

Left: 0.017+/-0.010 χ^2/NDF: 29.0/17

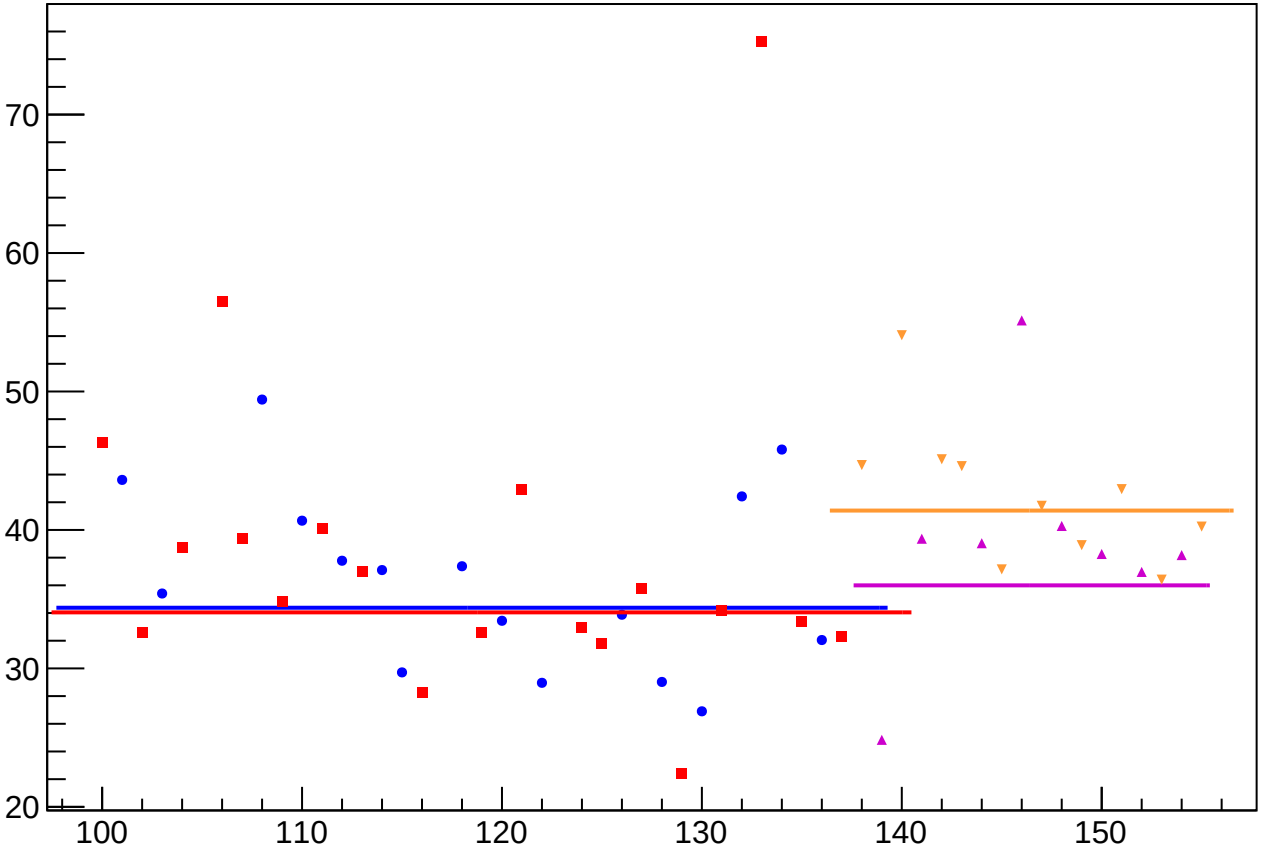
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.010 χ^2/NDF:26.6/23

Out: 0.002+/-0.010 χ^2/NDF:34.2/28

All: 0.009+/-0.007 χ^2/NDF: 61.8/52

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 41.400+/-0.011 χ^2/NDF:165038.7/9

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.998+/-0.010 χ^2/NDF:550878.1/7

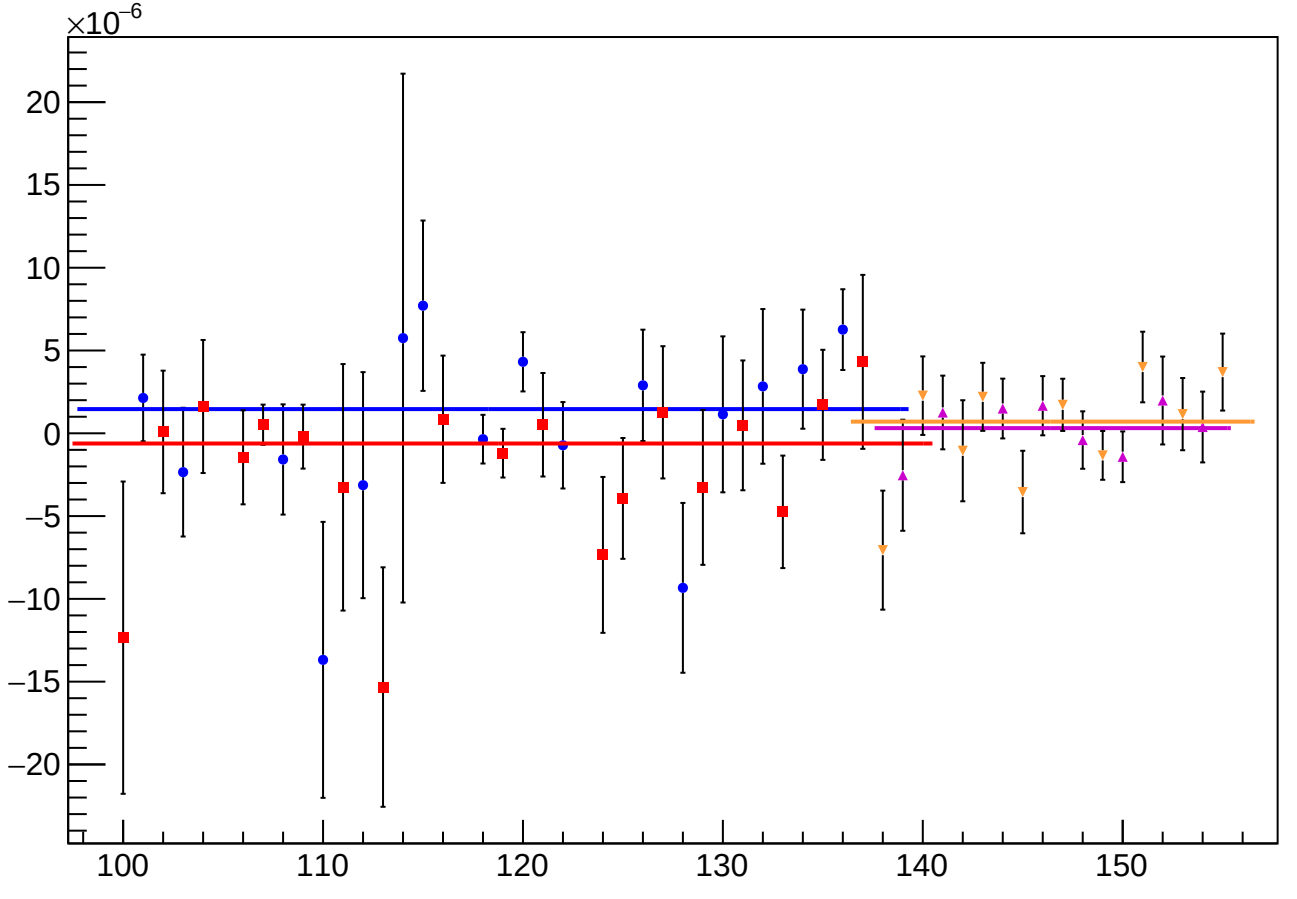
Left: 38.512+/-0.007 χ^2/NDF: 849234.2/17

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 35.139+/-0.007 χ^2/NDF:932394.8/23

Out: 37.187+/-0.007 χ^2/NDF:1072440.1/28

All: 36.139+/-0.005 χ^2/NDF: 2047804.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/9

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/7

Left: 0.000+/-0.000 χ^2/NDF: 19.2/17

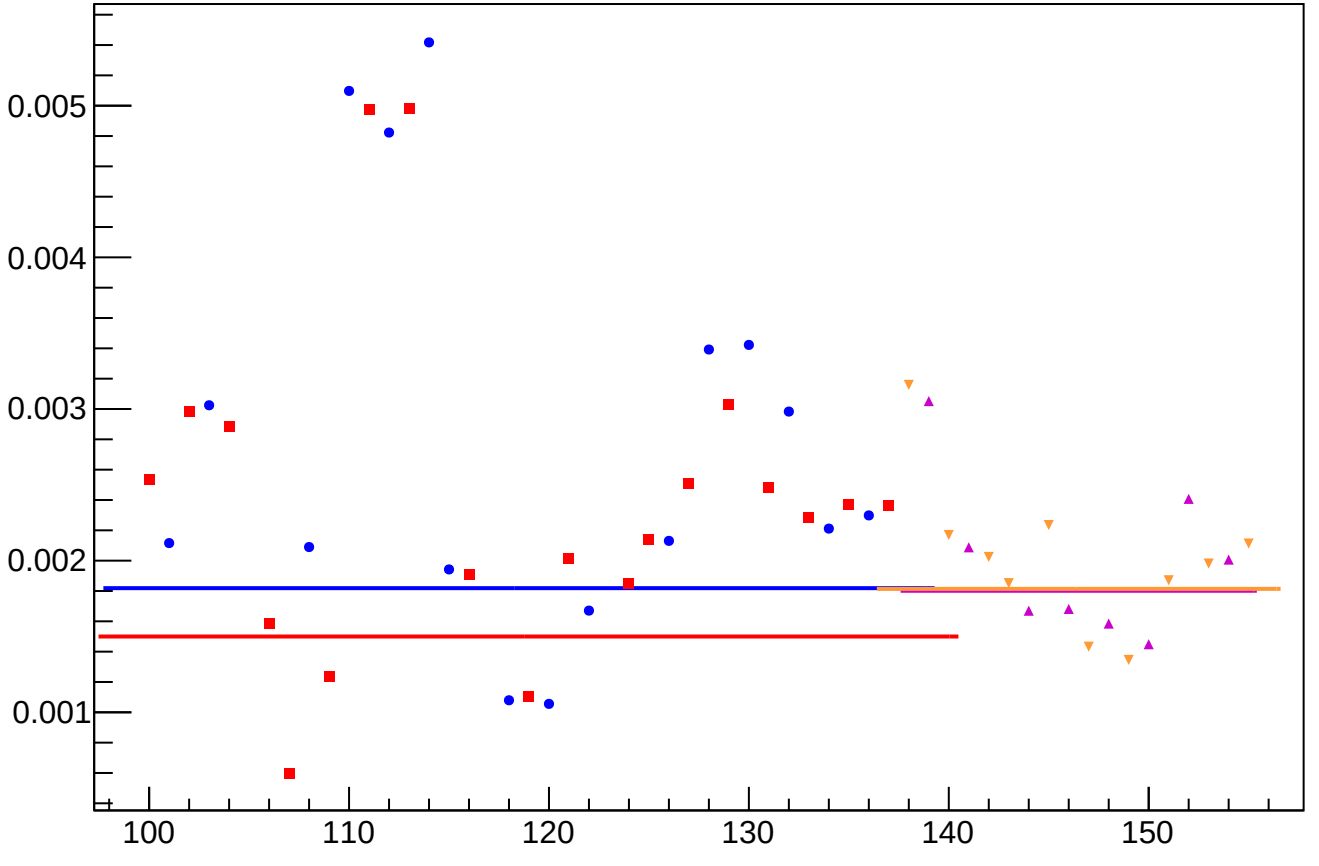
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:26.0/23

Out: 0.000+/-0.000 χ^2/NDF:31.3/28

All: 0.000+/-0.000 χ^2/NDF: 58.6/52

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:757863.2/9

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:590484.4/7

Left: 0.002+/-0.000 χ^2/NDF: 1348688.6/17

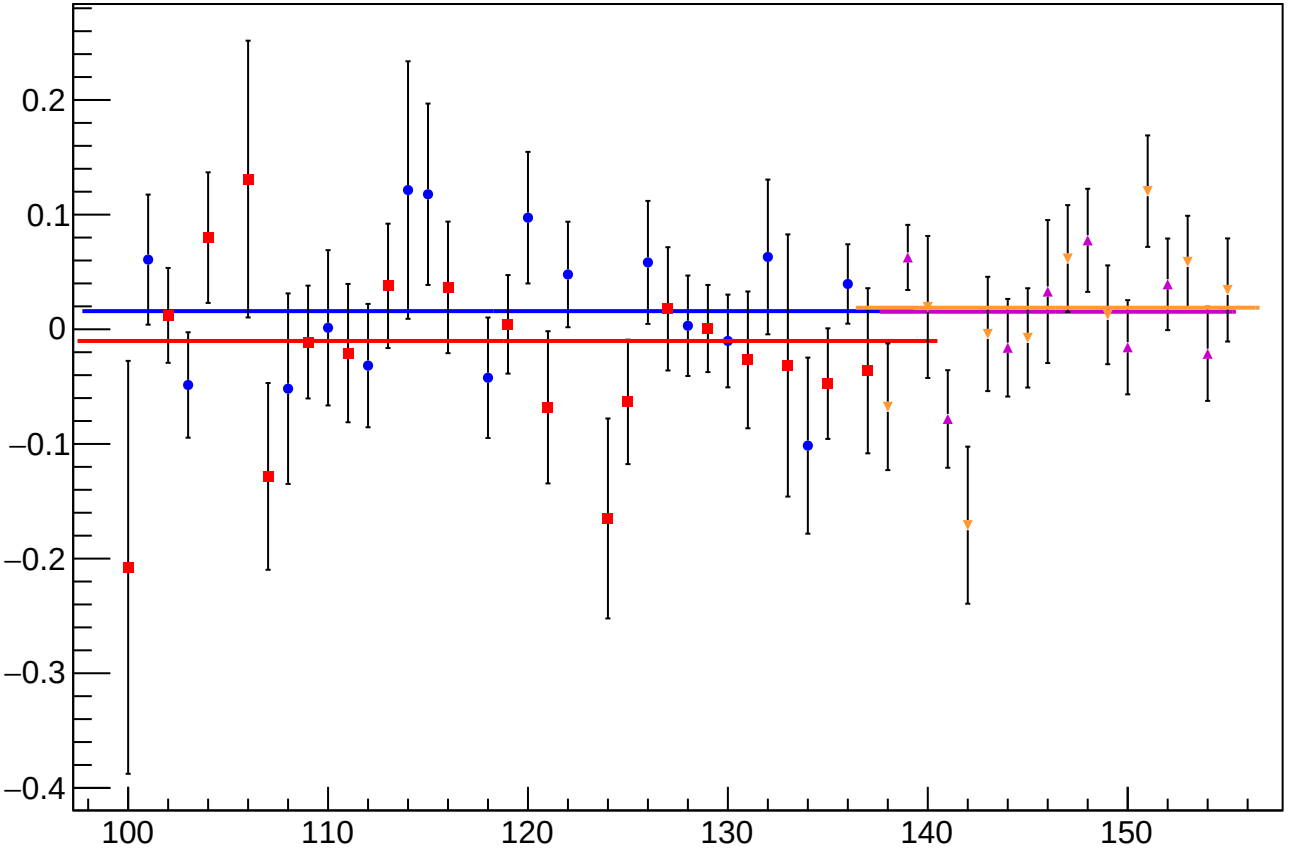
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3161300.0/23

Out: 0.002+/-0.000 χ^2/NDF:4675798.6/28

All: 0.002+/-0.000 χ^2/NDF: 7940920.8/52

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: 0.019+/-0.015 χ^2/NDF:17.0/9

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.015+/-0.014 χ^2/NDF:11.9/7

Left: 0.017+/-0.010 χ^2/NDF: 29.0/17

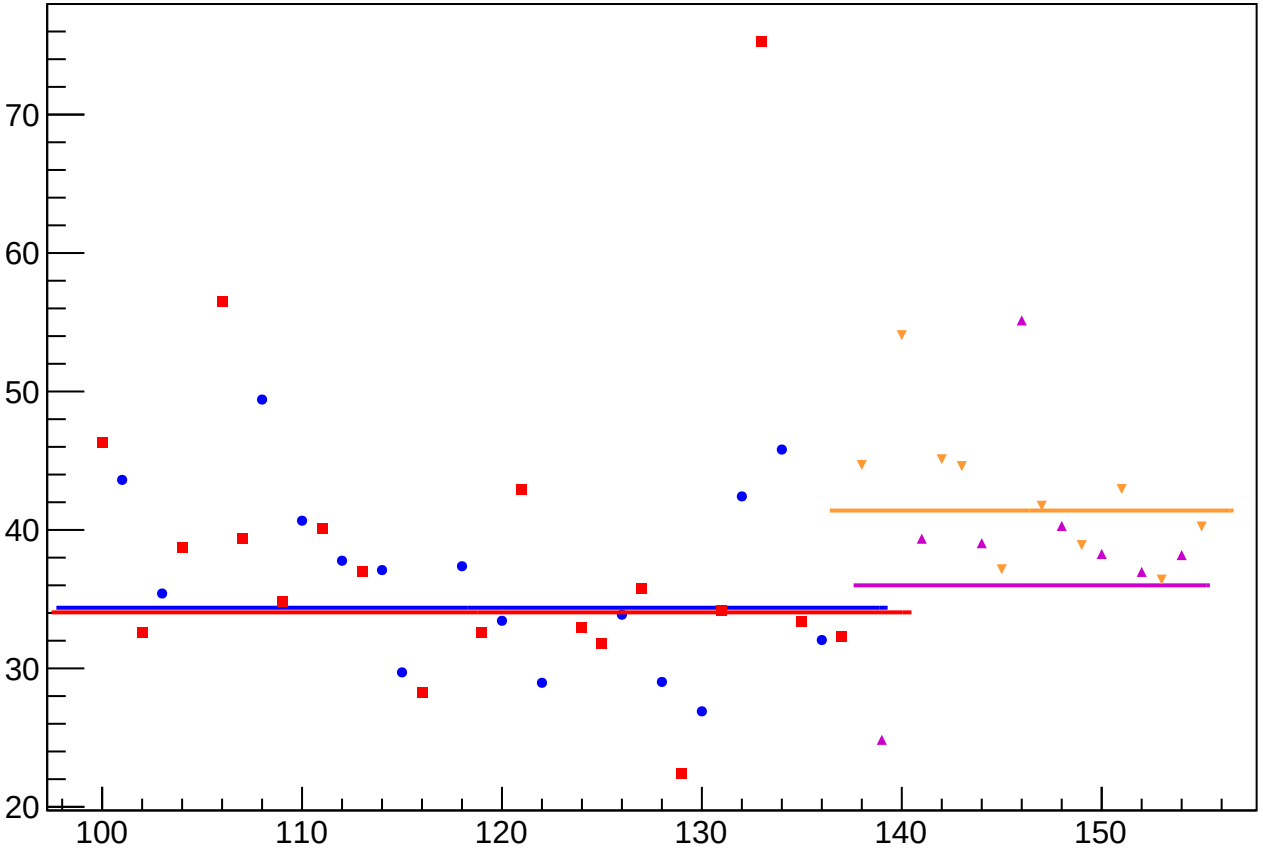
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.010 χ^2/NDF:26.6/23

Out: 0.002+/-0.010 χ^2/NDF:34.2/28

All: 0.009+/-0.007 χ^2/NDF: 61.8/52

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 41.401+/-0.011 χ^2/NDF:165027.3/9

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.999+/-0.010 χ^2/NDF:550893.0/7

Left: 38.513+/-0.007 χ^2/NDF: 849241.1/17

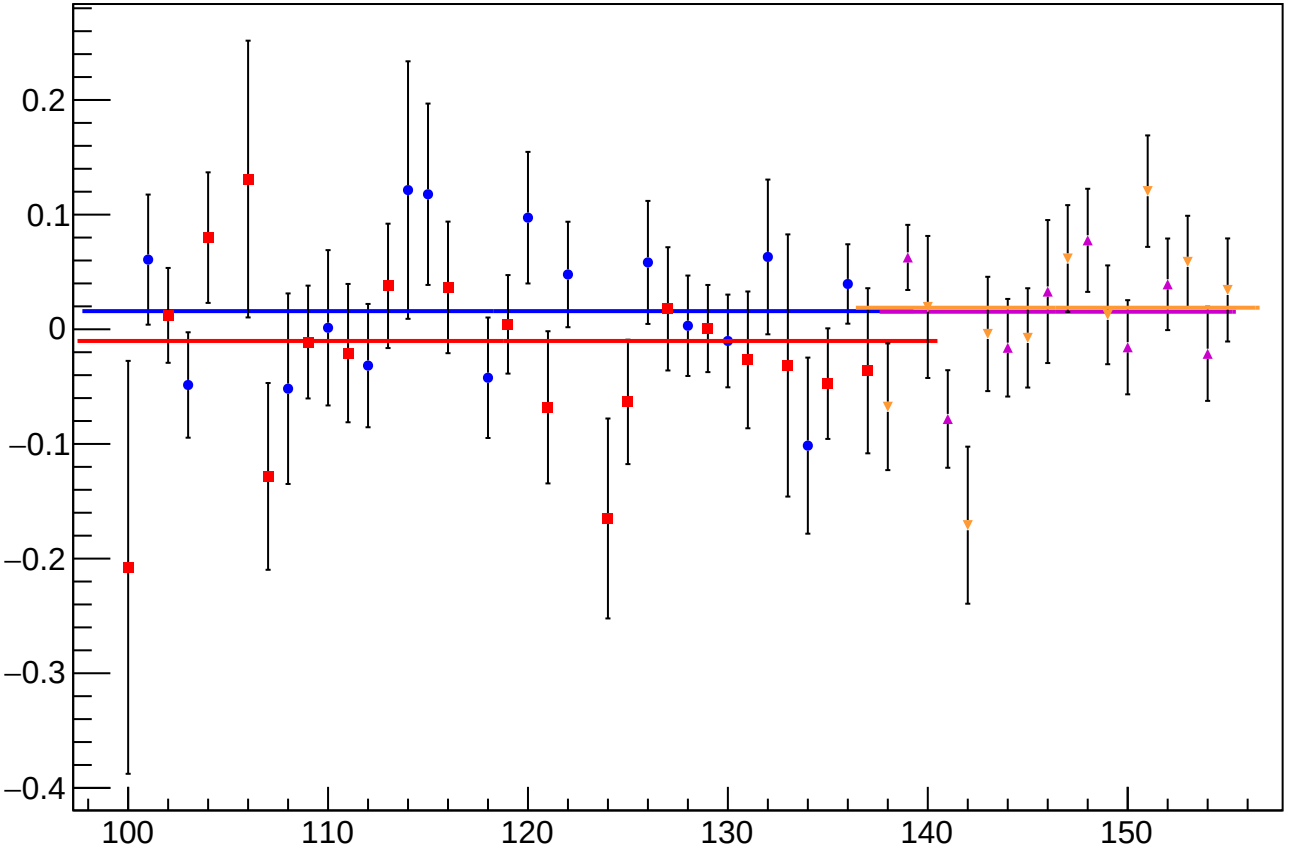
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 35.138+/-0.007 χ^2/NDF:932487.8/23

Out: 37.187+/-0.007 χ^2/NDF:1072554.6/28

All: 36.139+/-0.005 χ^2/NDF: 2048015.5/52

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: 0.019+/-0.015 χ^2/NDF:17.0/9

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.015+/-0.014 χ^2/NDF:11.9/7

Left: 0.017+/-0.010 χ^2/NDF: 29.0/17

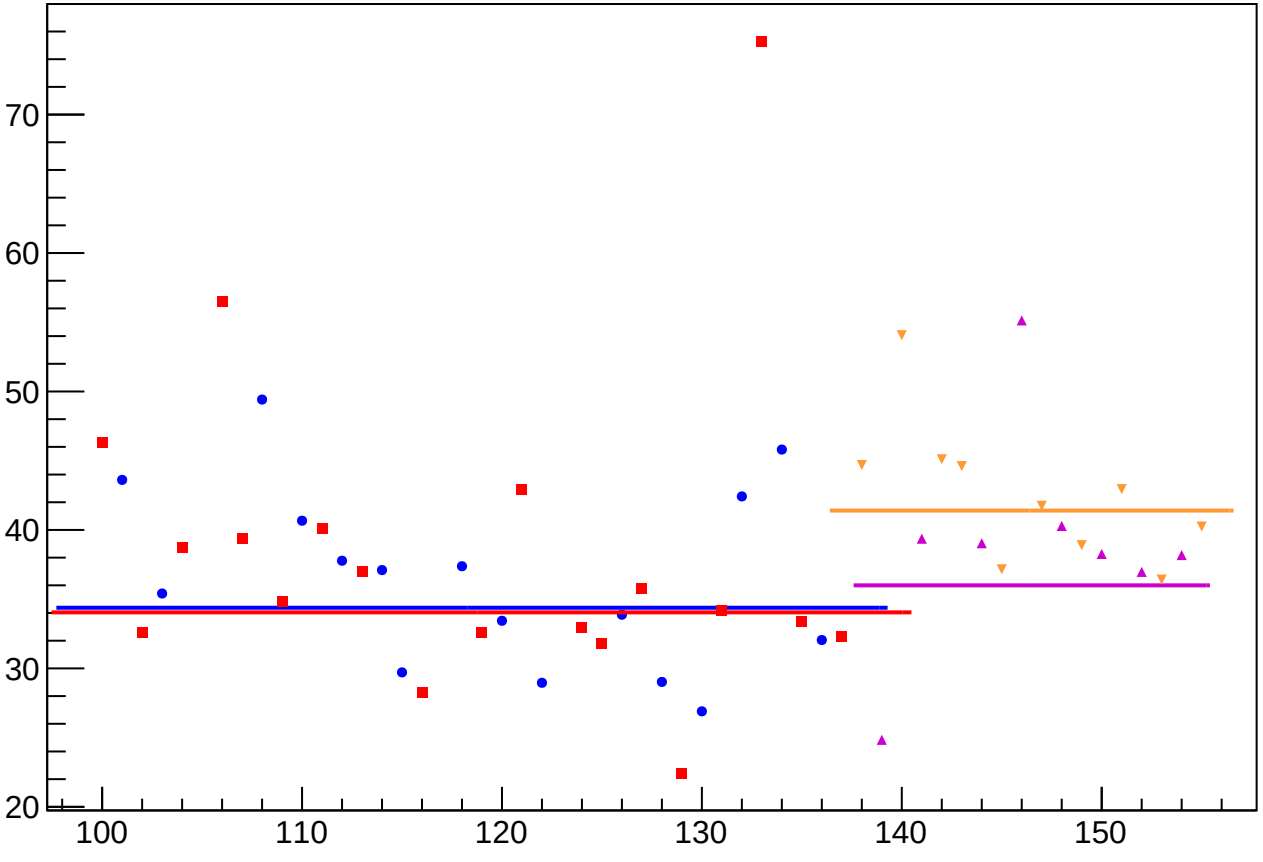
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.016+/-0.010 χ^2/NDF:26.6/23

Out: 0.002+/-0.010 χ^2/NDF:34.2/28

All: 0.009+/-0.007 χ^2/NDF: 61.8/52

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 41.401+/-0.011 χ^2/NDF:165027.3/9

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.999+/-0.010 χ^2/NDF:550893.0/7

Left: 38.513+/-0.007 χ^2/NDF: 849241.1/17

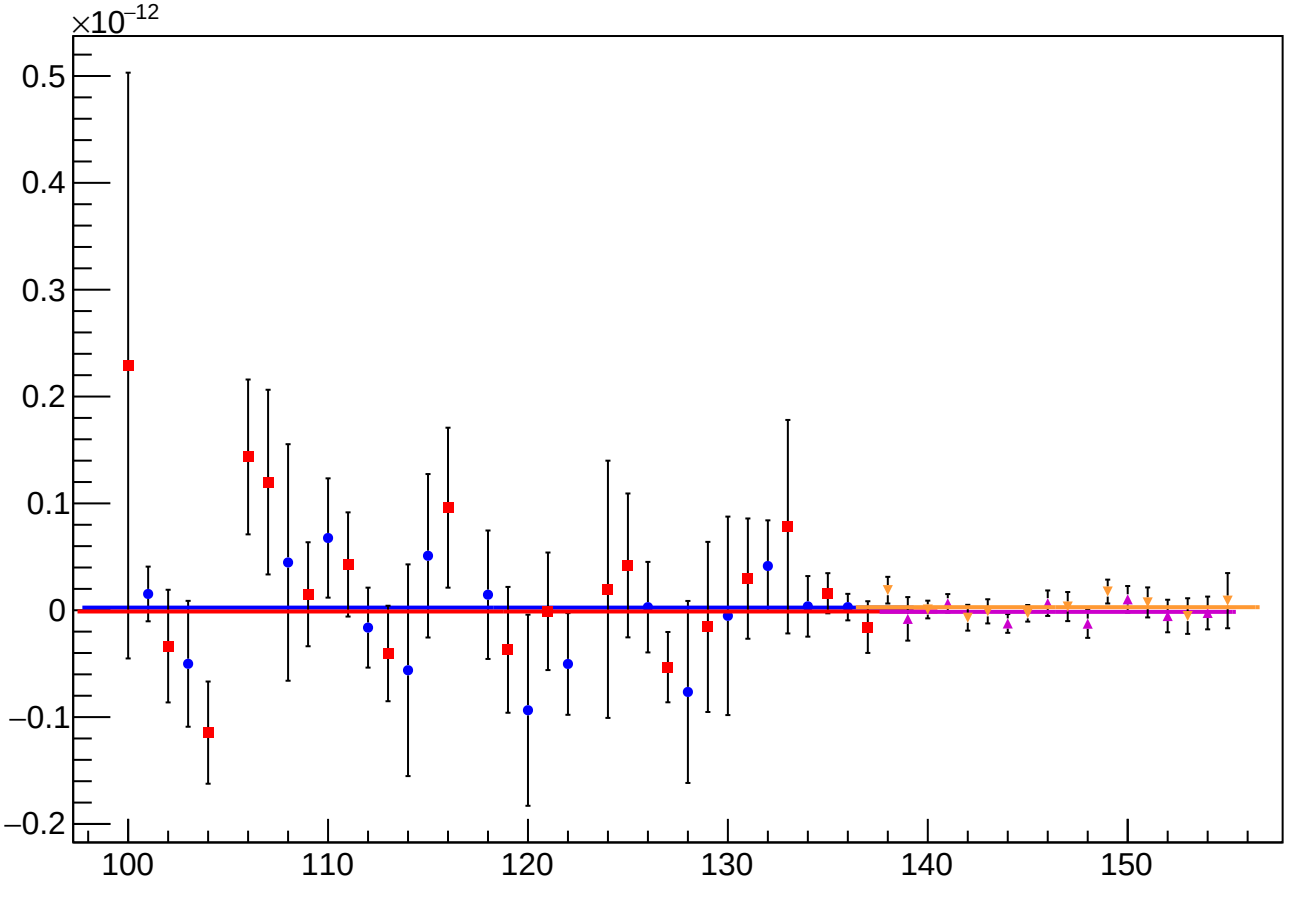
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 35.138+/-0.007 χ^2/NDF:932487.8/23

Out: 37.187+/-0.007 χ^2/NDF:1072554.6/28

All: 36.139+/-0.005 χ^2/NDF: 2048015.5/52

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.2/9

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:4.6/7

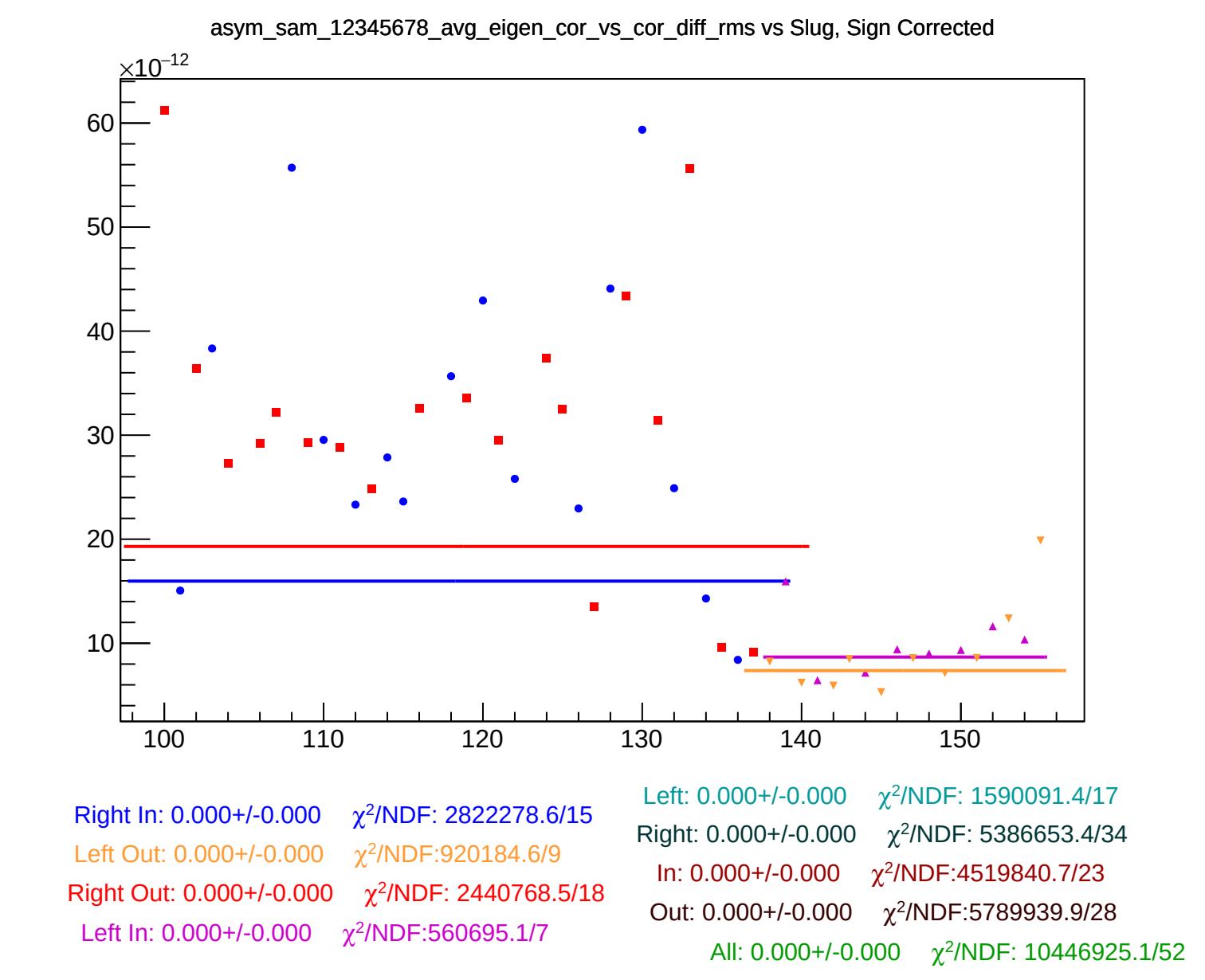
Left: 0.000+/-0.000 χ^2/NDF: 10.4/17

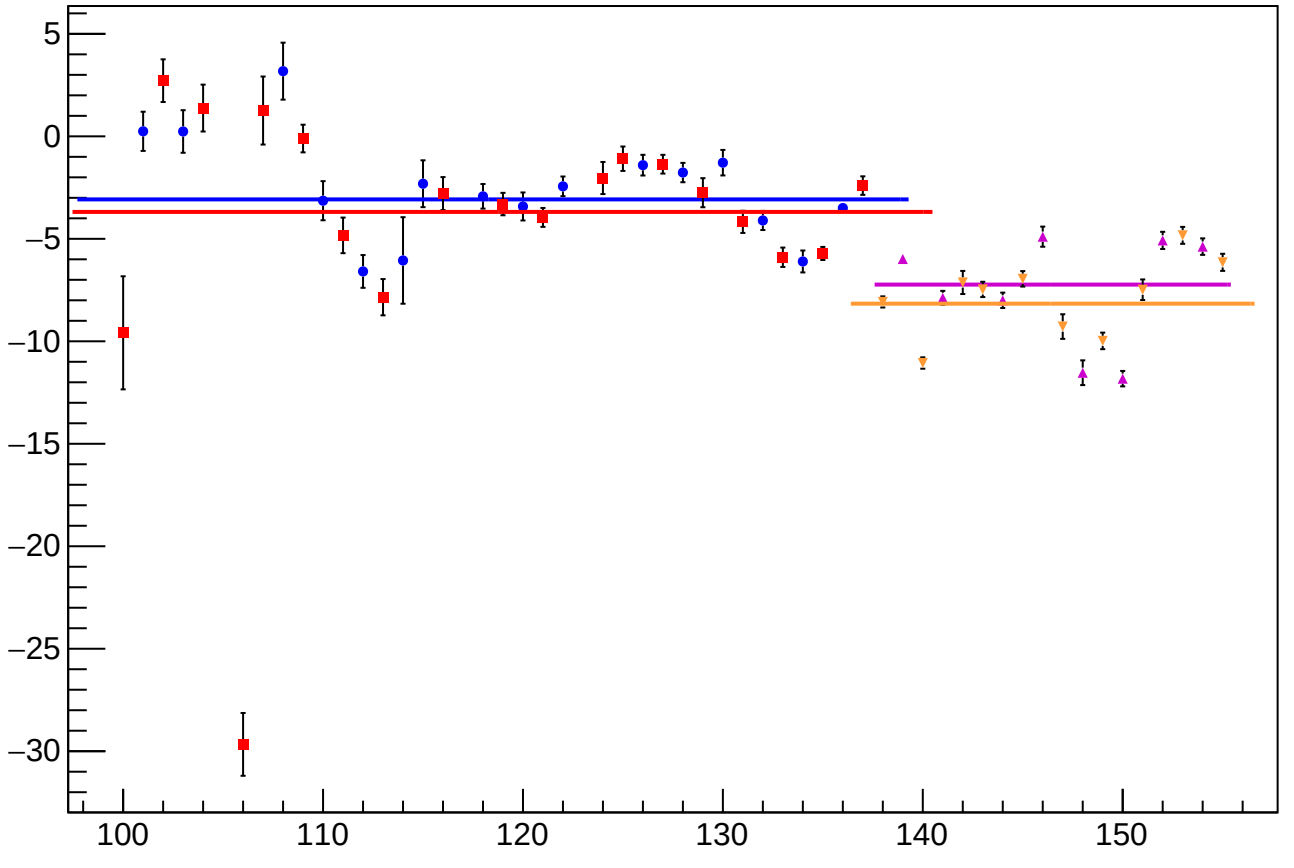
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:12.4/23

Out: 0.000+/-0.000 χ^2/NDF:26.8/28

All: 0.000+/-0.000 χ^2/NDF: 39.6/52


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:920184.6/9
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:560695.1/7
Left: 0.000+/-0.000 χ²/NDF: 1590091.4/17
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:4519840.7/23
Out: 0.000+/-0.000 χ²/NDF:5789939.9/28
All: 0.000+/-0.000 χ²/NDF: 10446925.1/52



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.164+/-0.121 χ^2/NDF:240.2/9

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -7.234+/-0.130 χ^2/NDF:304.6/7

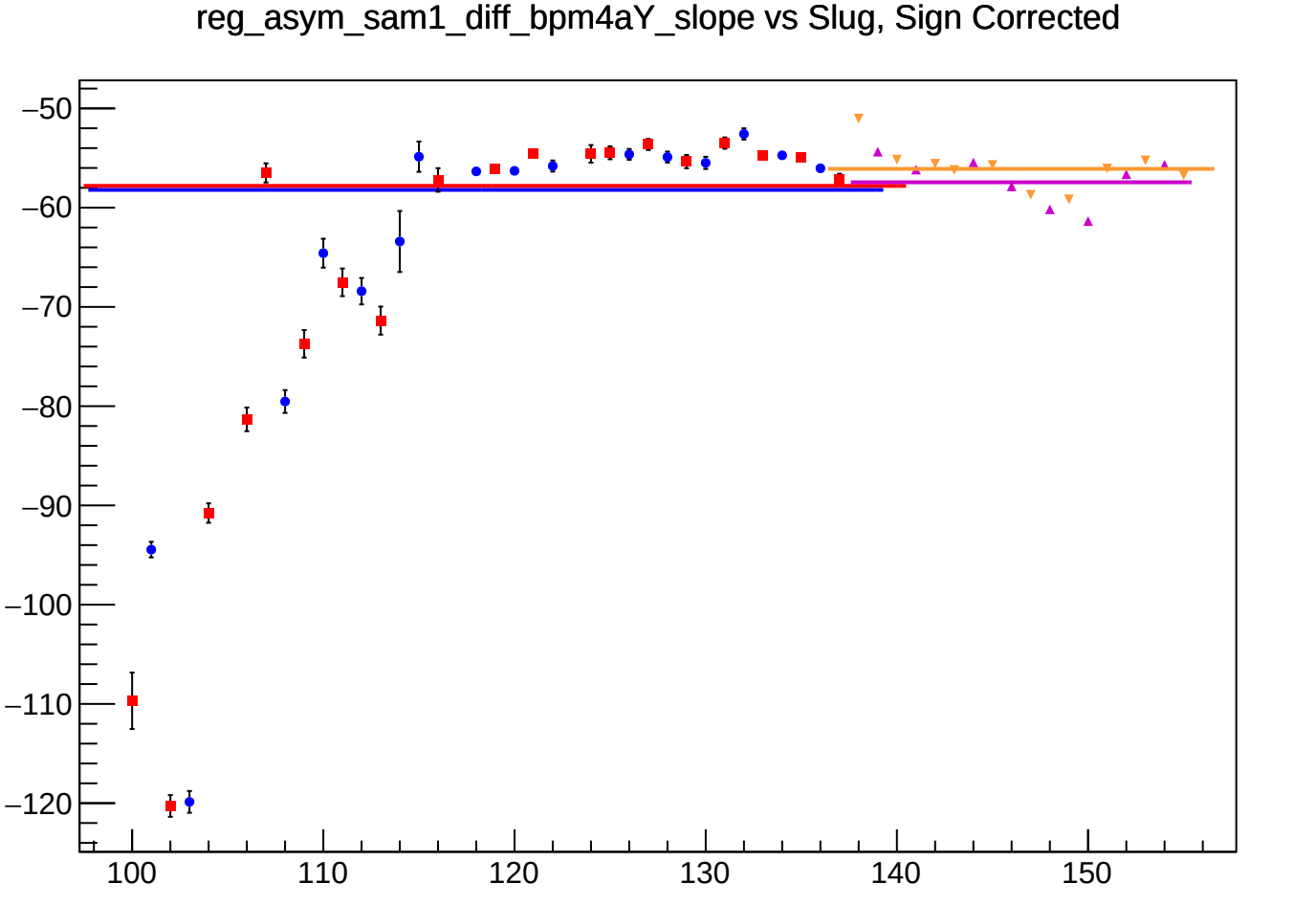
Left: -7.733+/-0.089 χ^2/NDF: 572.2/17

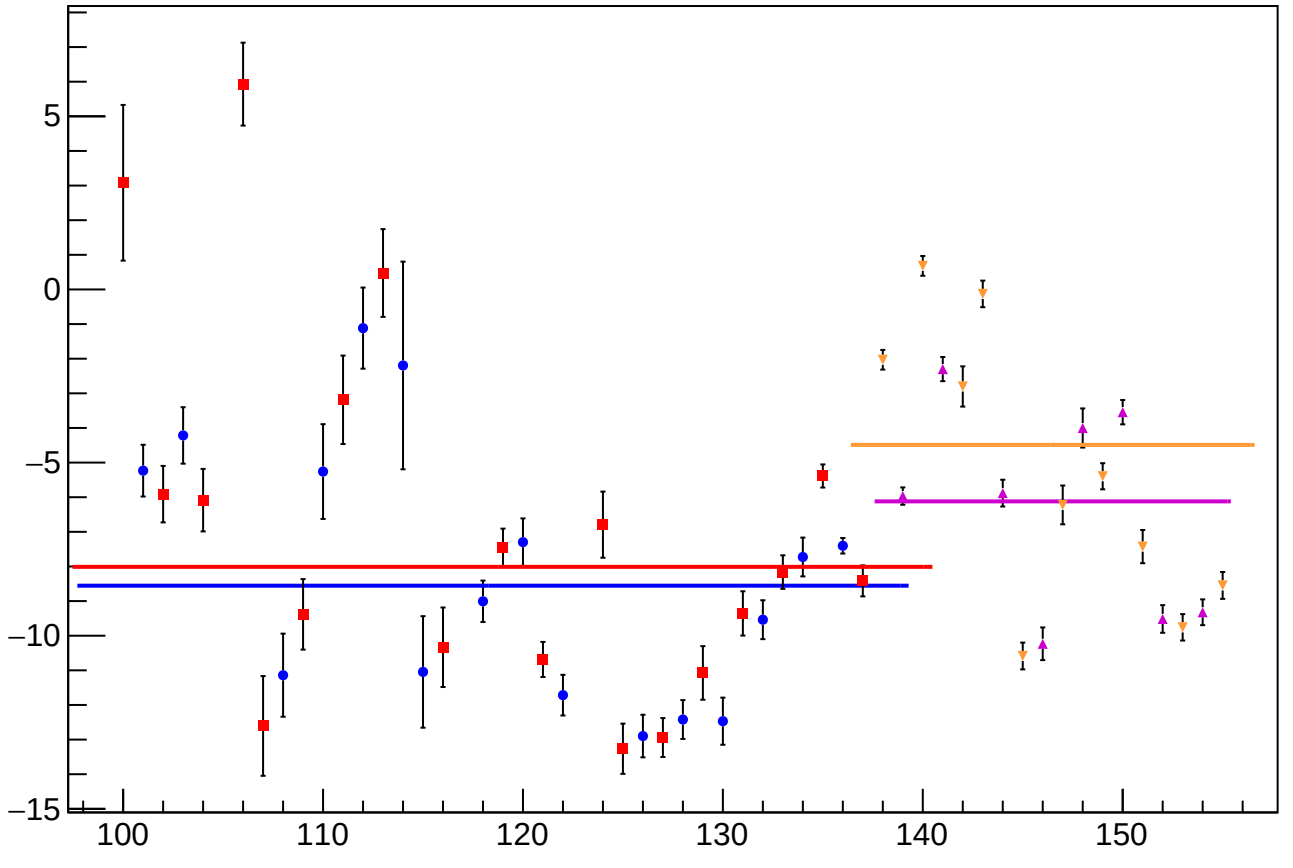
Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.233+/-0.094 χ^2/NDF:928.6/23

Out: -6.254+/-0.092 χ^2/NDF:1359.8/28

All: -5.756+/-0.066 χ^2/NDF: 2349.1/52


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: -56.091+/-0.090 χ²/NDF:521.6/9
Right Out: -57.804+/-0.138 χ²/NDF: 5792.7/18
Left In: -57.442+/-0.101 χ²/NDF:501.2/7
Left: -56.689+/-0.067 χ²/NDF: 1122.1/17
Right: -58.008+/-0.097 χ²/NDF: 11923.9/34
In: -57.715+/-0.081 χ²/NDF:6648.4/23
Out: -56.601+/-0.076 χ²/NDF:6421.7/28
All: -57.119+/-0.055 χ²/NDF: 13171.1/52



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -4.489+/-0.120 χ^2/NDF:1141.7/9

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -6.121+/-0.129 χ^2/NDF:410.7/7

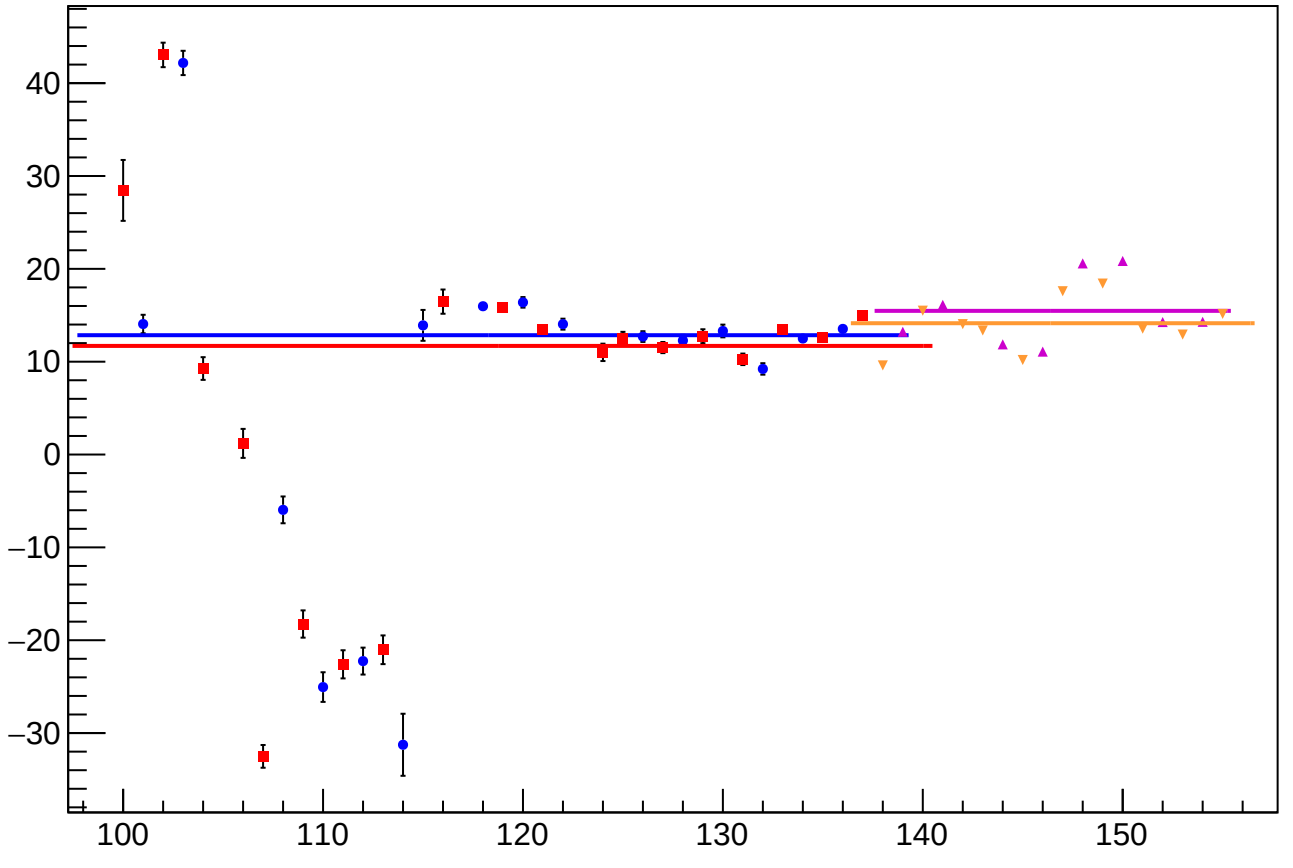
Left: -5.248+/-0.088 χ^2/NDF: 1638.0/17

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.199+/-0.096 χ^2/NDF:869.1/23

Out: -5.834+/-0.095 χ^2/NDF:1958.9/28

All: -6.504+/-0.067 χ^2/NDF: 2930.2/52



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 14.144+/-0.107 χ^2/NDF:621.1/9

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 15.475+/-0.119 χ^2/NDF:816.8/7

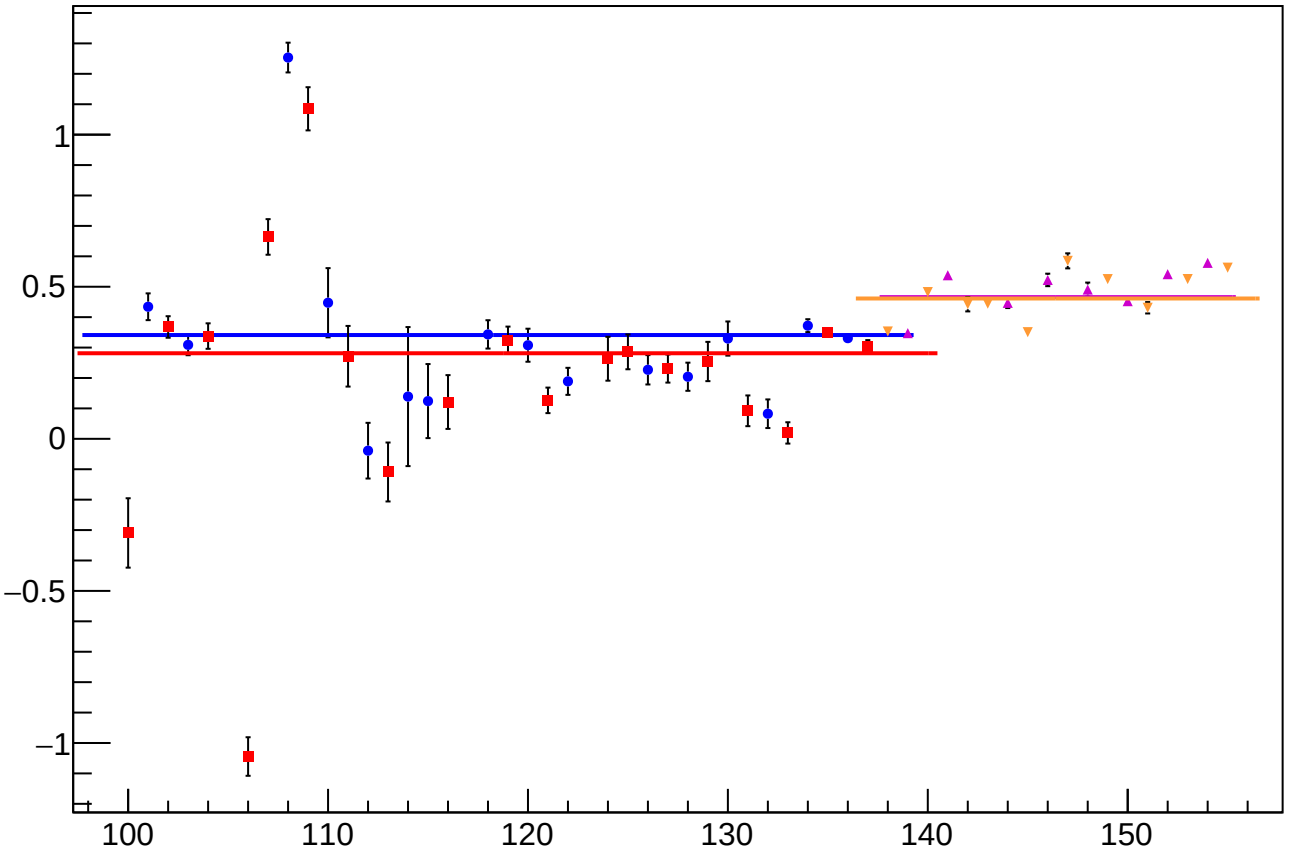
Left: 14.739+/-0.080 χ^2/NDF: 1507.1/17

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 14.465+/-0.093 χ^2/NDF:3132.3/23

Out: 13.355+/-0.088 χ^2/NDF:4288.2/28

All: 13.878+/-0.064 χ^2/NDF: 7495.4/52



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.461+/-0.005 χ^2/NDF:283.7/9

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.466+/-0.005 χ^2/NDF:320.1/7

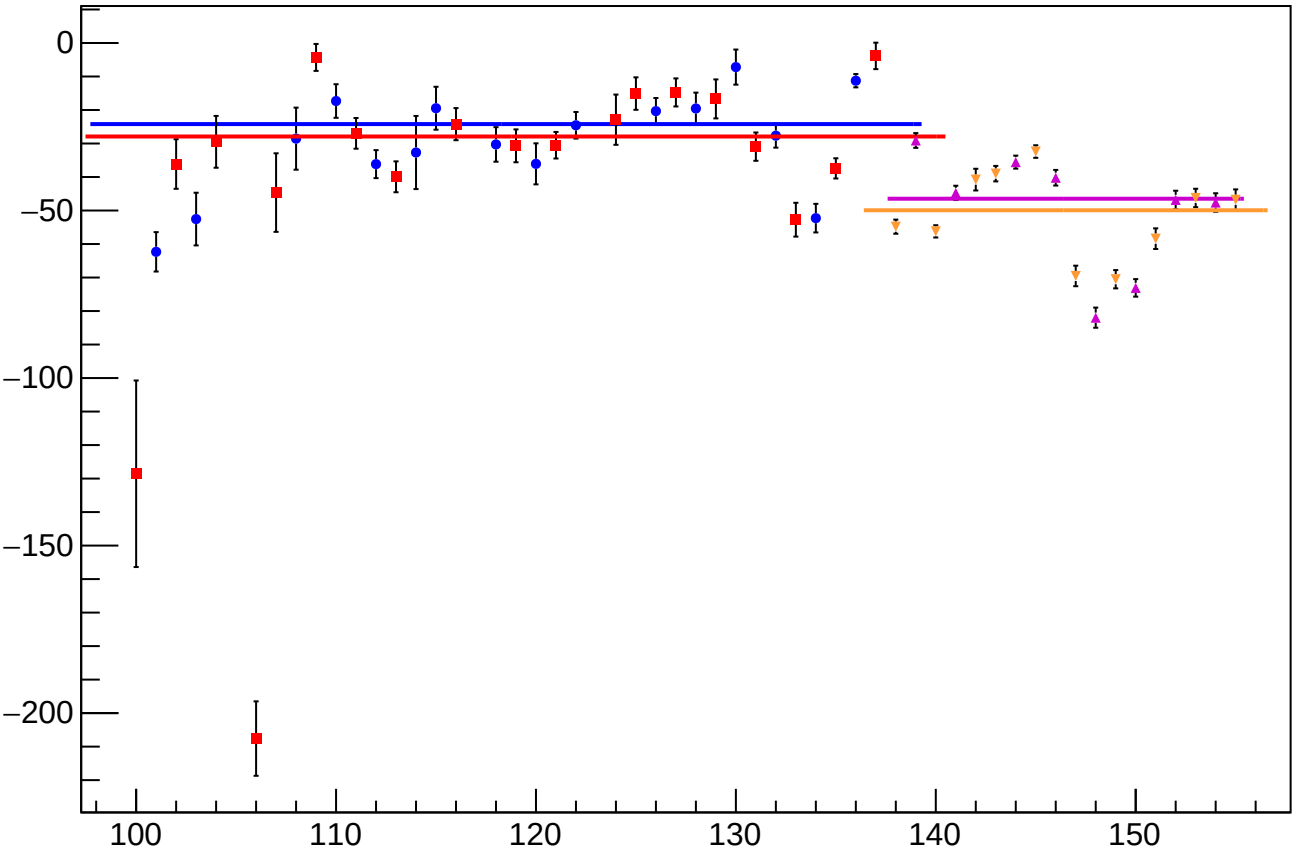
Left: 0.464+/-0.003 χ^2/NDF: 604.2/17

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.431+/-0.004 χ^2/NDF:935.2/23

Out: 0.419+/-0.004 χ^2/NDF:1405.9/28

All: 0.425+/-0.003 χ^2/NDF: 2345.5/52



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -49.925+/-0.773 χ^2/NDF:242.9/9

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -46.477+/-0.846 χ^2/NDF:344.7/7

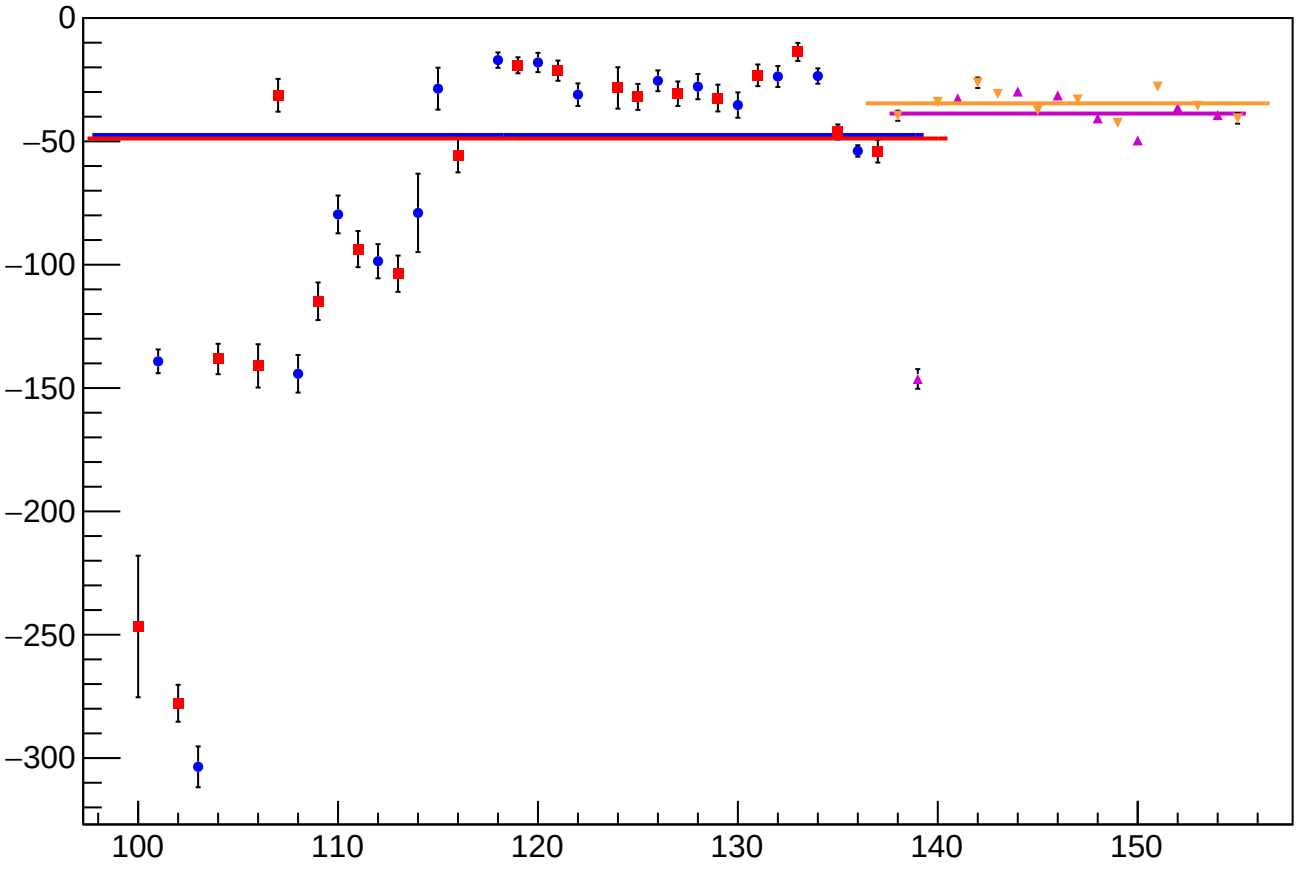
Left: -48.357+/-0.571 χ^2/NDF: 596.7/17

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -38.064+/-0.668 χ^2/NDF:777.0/23

Out: -42.962+/-0.639 χ^2/NDF:912.7/28

All: -40.619+/-0.462 χ^2/NDF: 1717.8/52



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -34.579+/-0.545 χ^2/NDF:76.4/9

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -38.731+/-0.588 χ^2/NDF:853.8/7

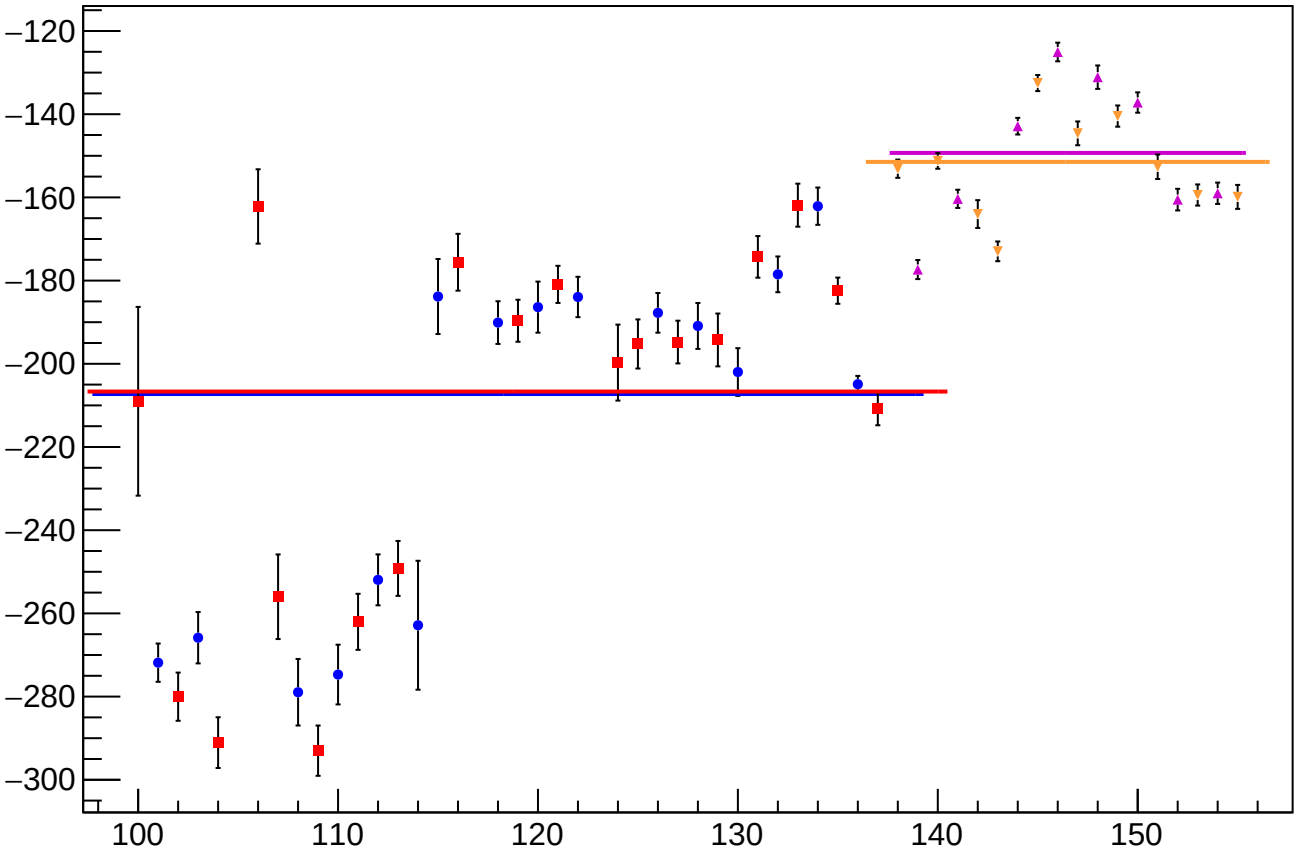
Left: -36.497+/-0.400 χ^2/NDF: 957.0/17

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -40.660+/-0.519 χ^2/NDF:2775.8/23

Out: -37.076+/-0.495 χ^2/NDF:1970.8/28

All: -38.783+/-0.358 χ^2/NDF: 4771.6/52



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -151.464+/-0.769 χ^2/NDF:235.7/9

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -149.308+/-0.833 χ^2/NDF:401.4/7

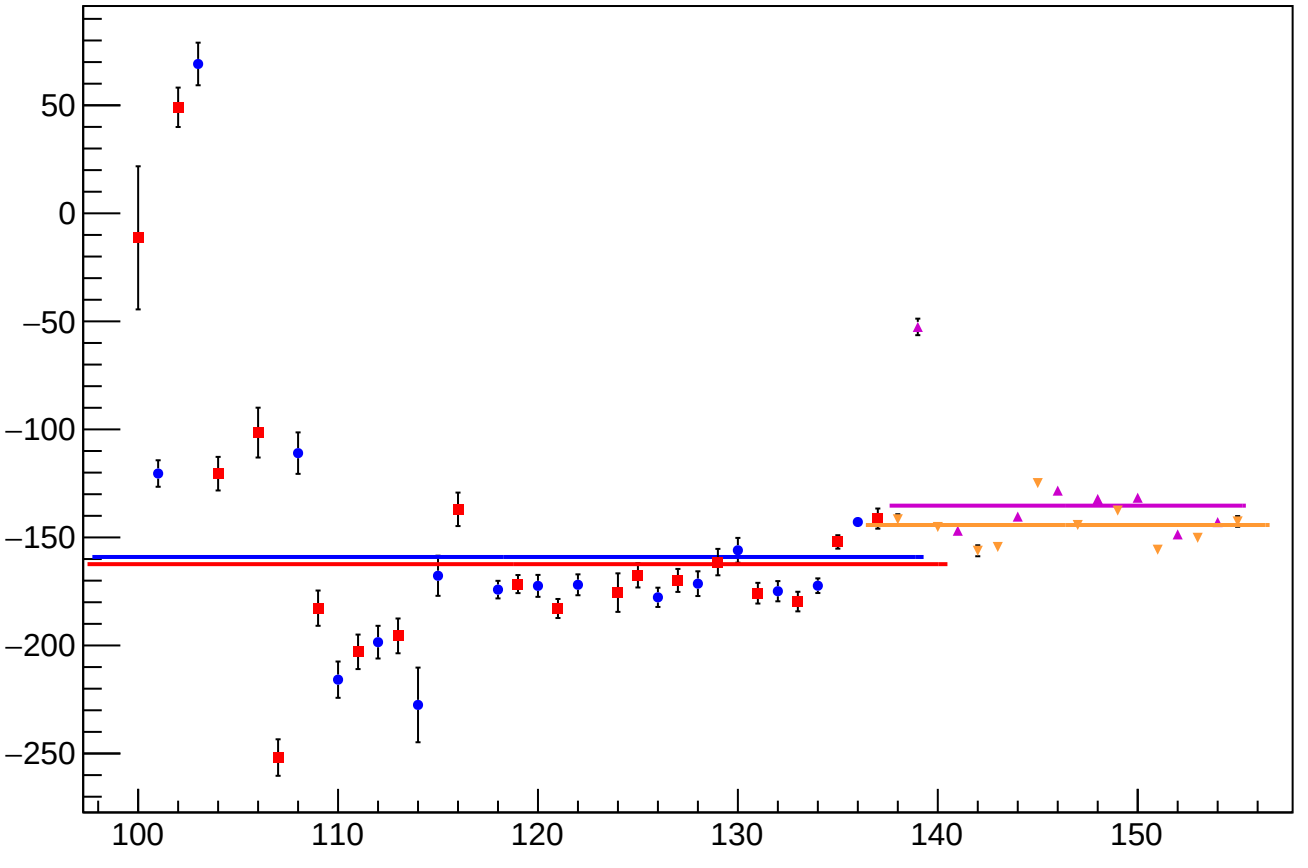
Left: -150.472+/-0.565 χ^2/NDF: 640.8/17

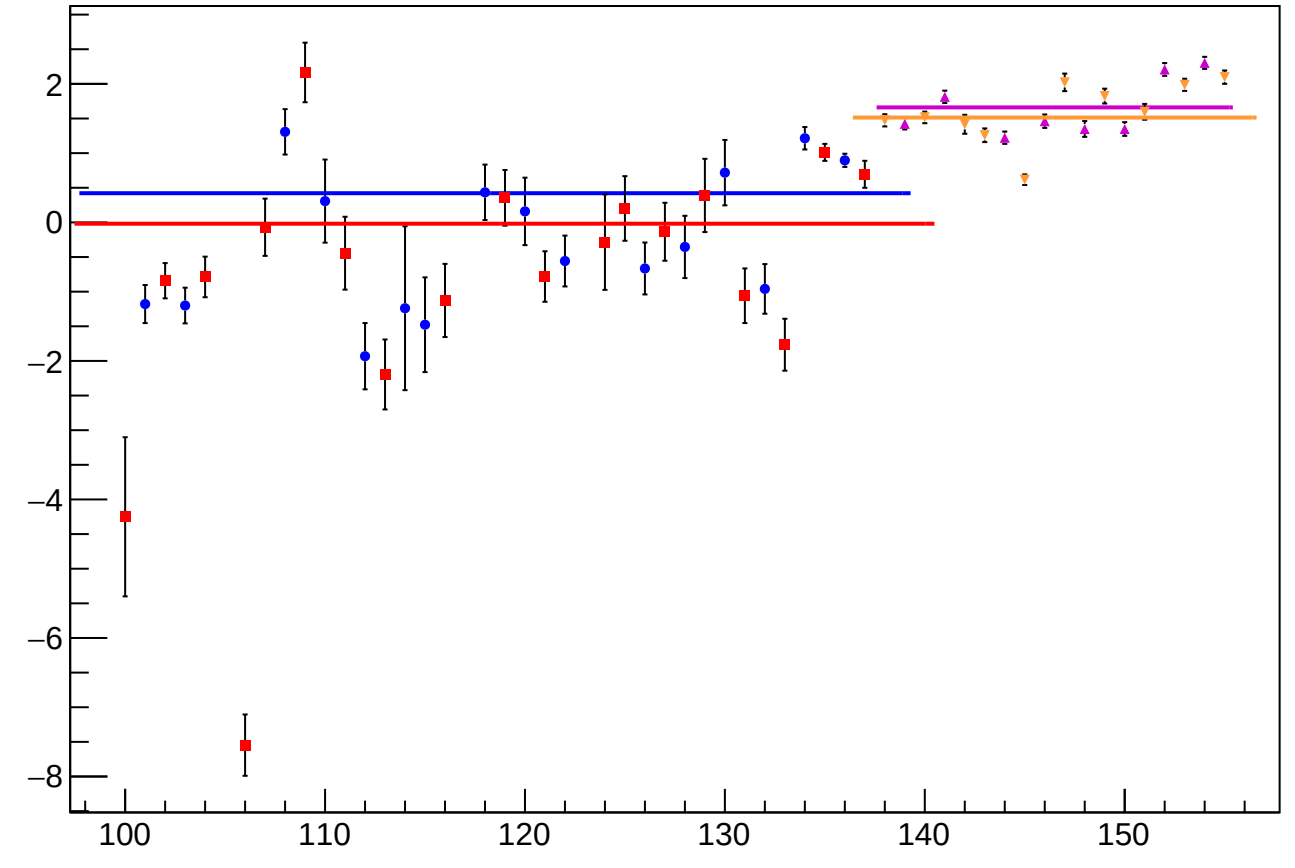
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

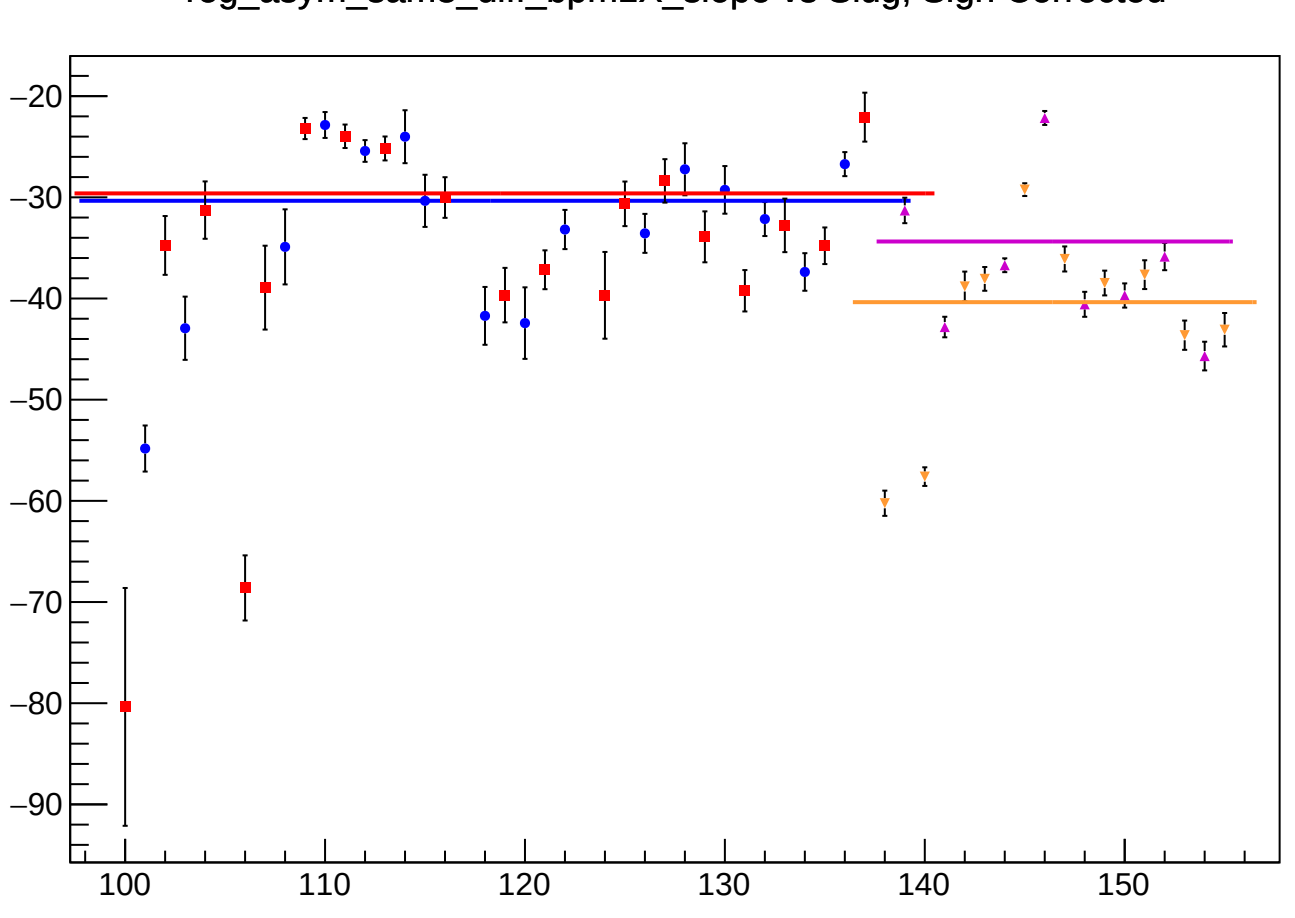
In: -168.628+/-0.680 χ^2/NDF:2762.8/23

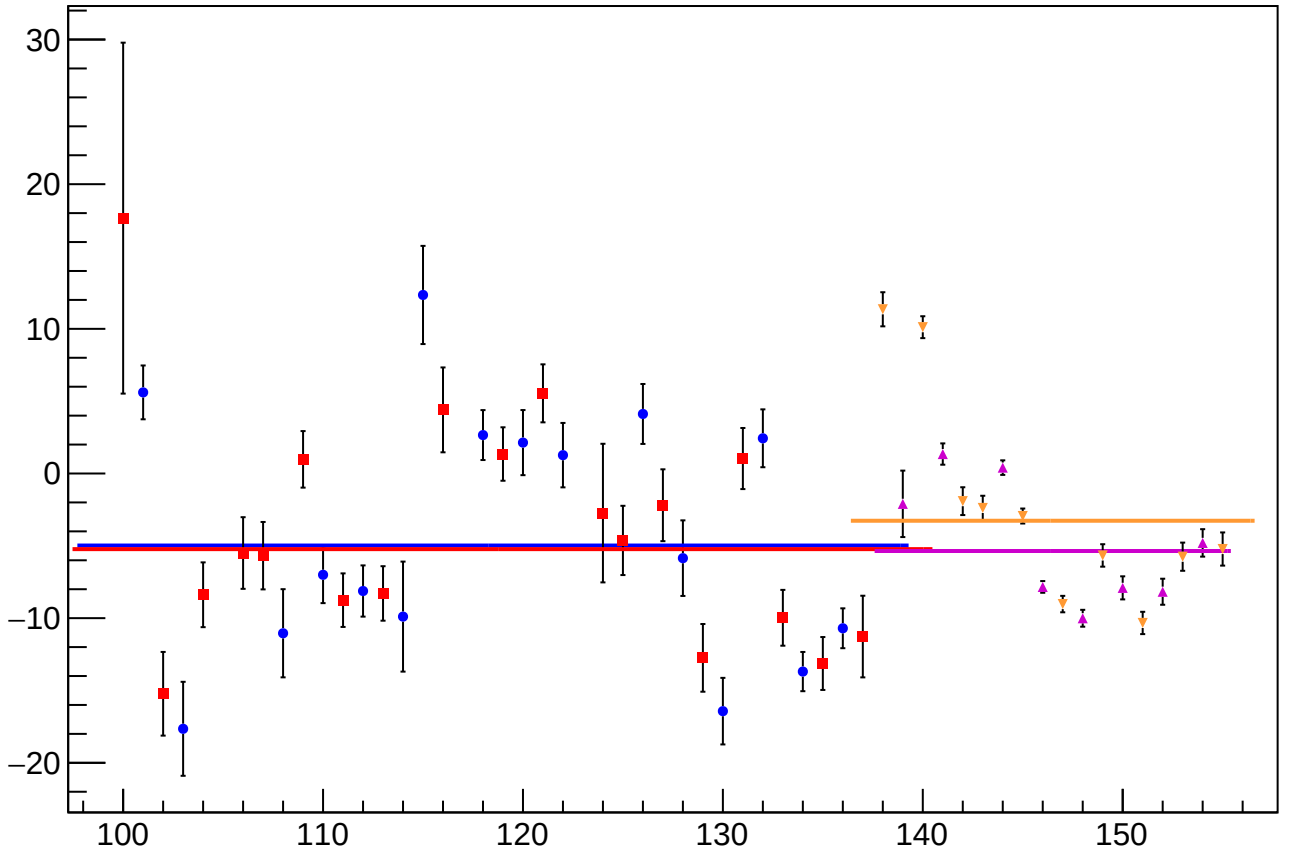
Out: -166.125+/-0.659 χ^2/NDF:2572.6/28

All: -167.337+/-0.473 χ^2/NDF: 5342.4/52


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
Right In: -159.048+/-1.225 χ²/NDF: 815.8/15
Left Out: -144.249+/-0.657 χ²/NDF:218.4/9
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: -135.291+/-0.711 χ²/NDF:589.2/7
Left: -140.120+/-0.483 χ²/NDF: 893.2/17
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -141.273+/-0.615 χ²/NDF:1686.2/23
Out: -147.832+/-0.589 χ²/NDF:1241.2/28
All: -144.694+/-0.425 χ²/NDF: 2986.7/52


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: 0.421+/-0.065 χ²/NDF: 197.6/15
Left Out: 1.514+/-0.031 χ²/NDF:234.7/9
Right Out: -0.019+/-0.072 χ²/NDF: 488.2/18
Left In: 1.660+/-0.033 χ²/NDF:146.3/7
Left: 1.582+/-0.022 χ²/NDF: 391.7/17
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.408+/-0.029 χ²/NDF:635.0/23
Out: 1.280+/-0.028 χ²/NDF:1103.5/28
All: 1.342+/-0.020 χ²/NDF: 1748.5/52


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: -40.361+/-0.350 χ²/NDF:945.0/9
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -34.367+/-0.348 χ²/NDF:509.3/7
Left: -37.352+/-0.247 χ²/NDF: 1601.8/17
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -32.931+/-0.279 χ²/NDF:810.5/23
Out: -36.319+/-0.276 χ²/NDF:1629.4/28
All: -34.644+/-0.196 χ²/NDF: 2514.3/52



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.266+/-0.243 χ^2/NDF:675.6/9

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -5.358+/-0.230 χ^2/NDF:337.5/7

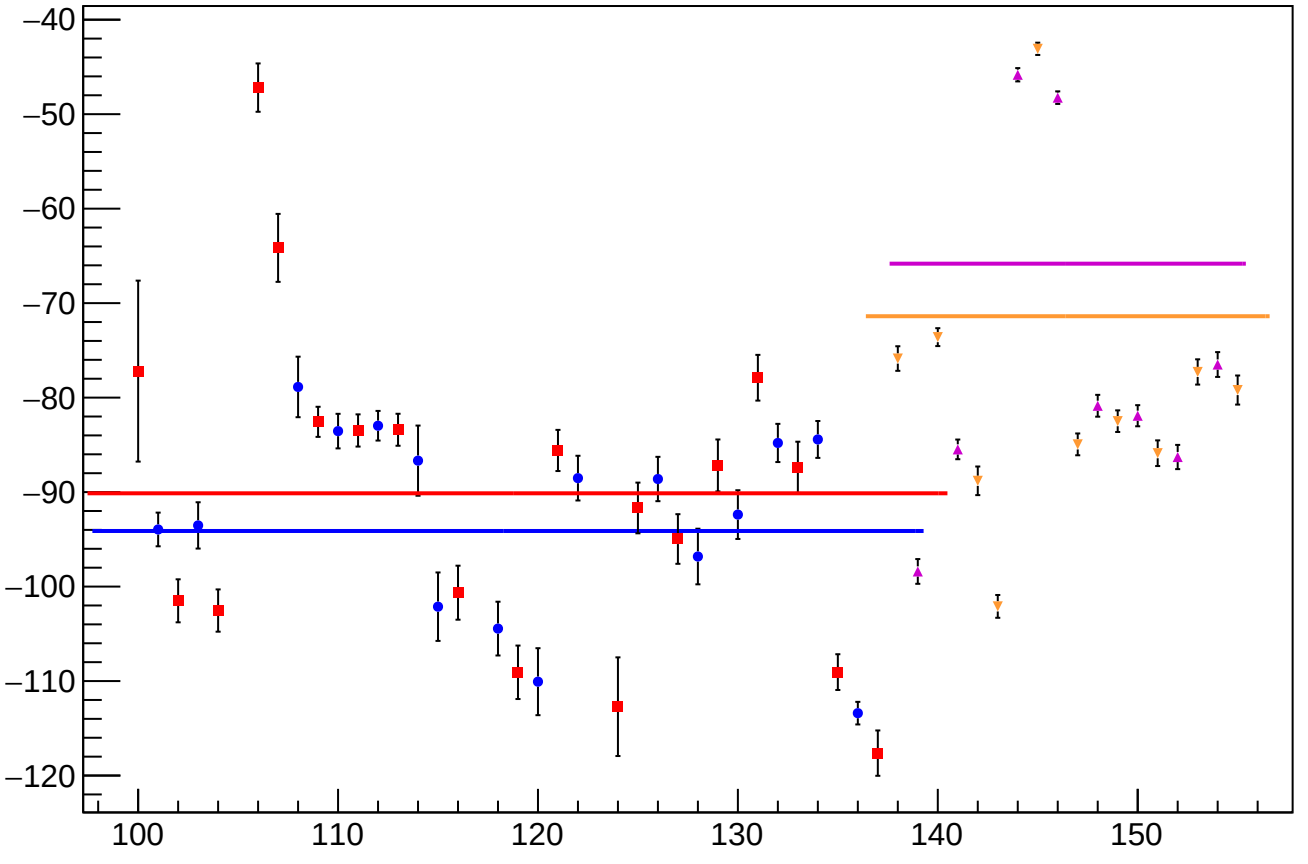
Left: -4.371+/-0.167 χ^2/NDF: 1052.3/17

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -5.294+/-0.209 χ^2/NDF:575.3/23

Out: -3.614+/-0.220 χ^2/NDF:823.7/28

All: -4.497+/-0.152 χ^2/NDF: 1429.5/52



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -71.385+/-0.349 χ^2/NDF:3082.0/9

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -65.823+/-0.343 χ^2/NDF:3174.4/7

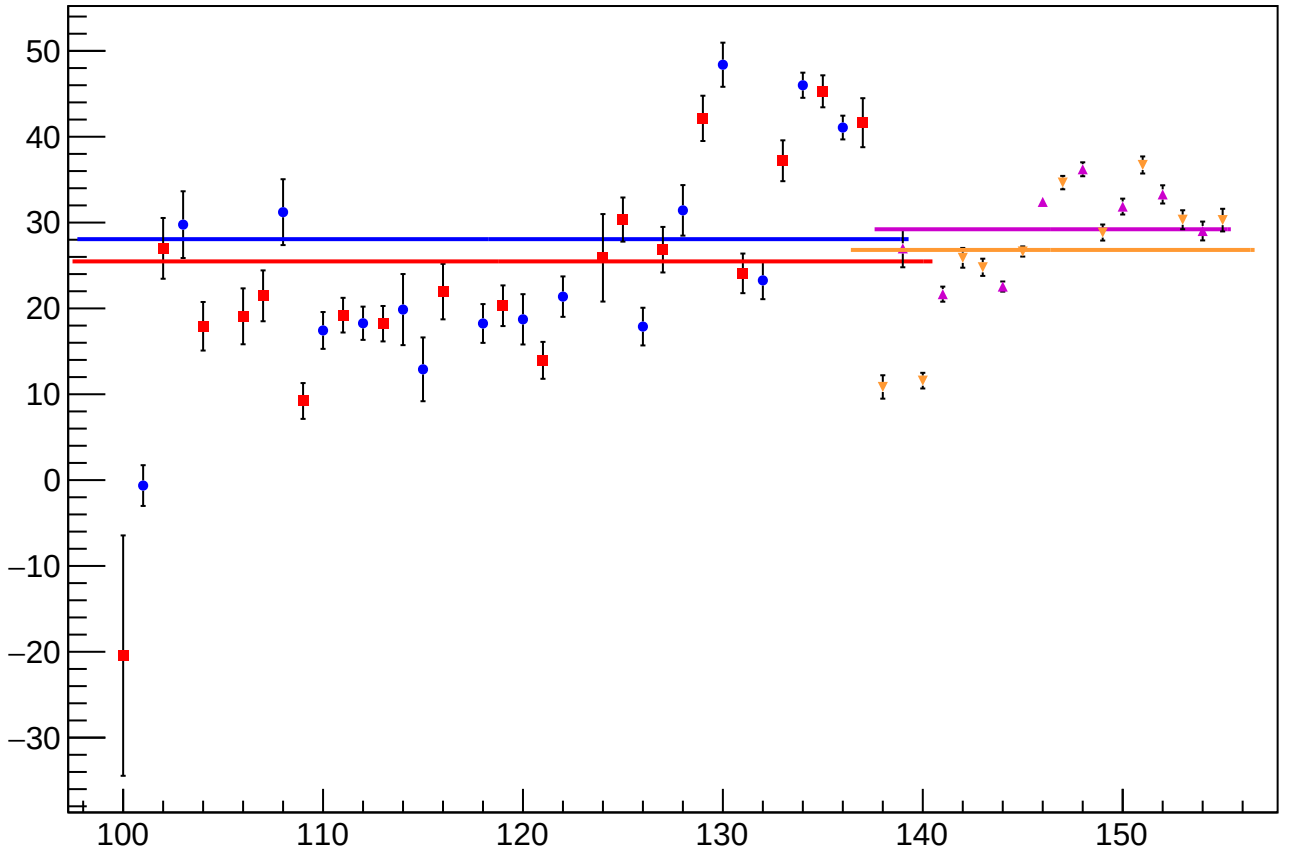
Left: -68.557+/-0.244 χ^2/NDF: 6385.9/17

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -74.011+/-0.289 χ^2/NDF:5613.5/23

Out: -76.856+/-0.293 χ^2/NDF:4715.1/28

All: -75.412+/-0.206 χ^2/NDF: 10376.3/52



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.813+/-0.295 χ^2/NDF:642.5/9

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 29.220+/-0.282 χ^2/NDF:338.6/7

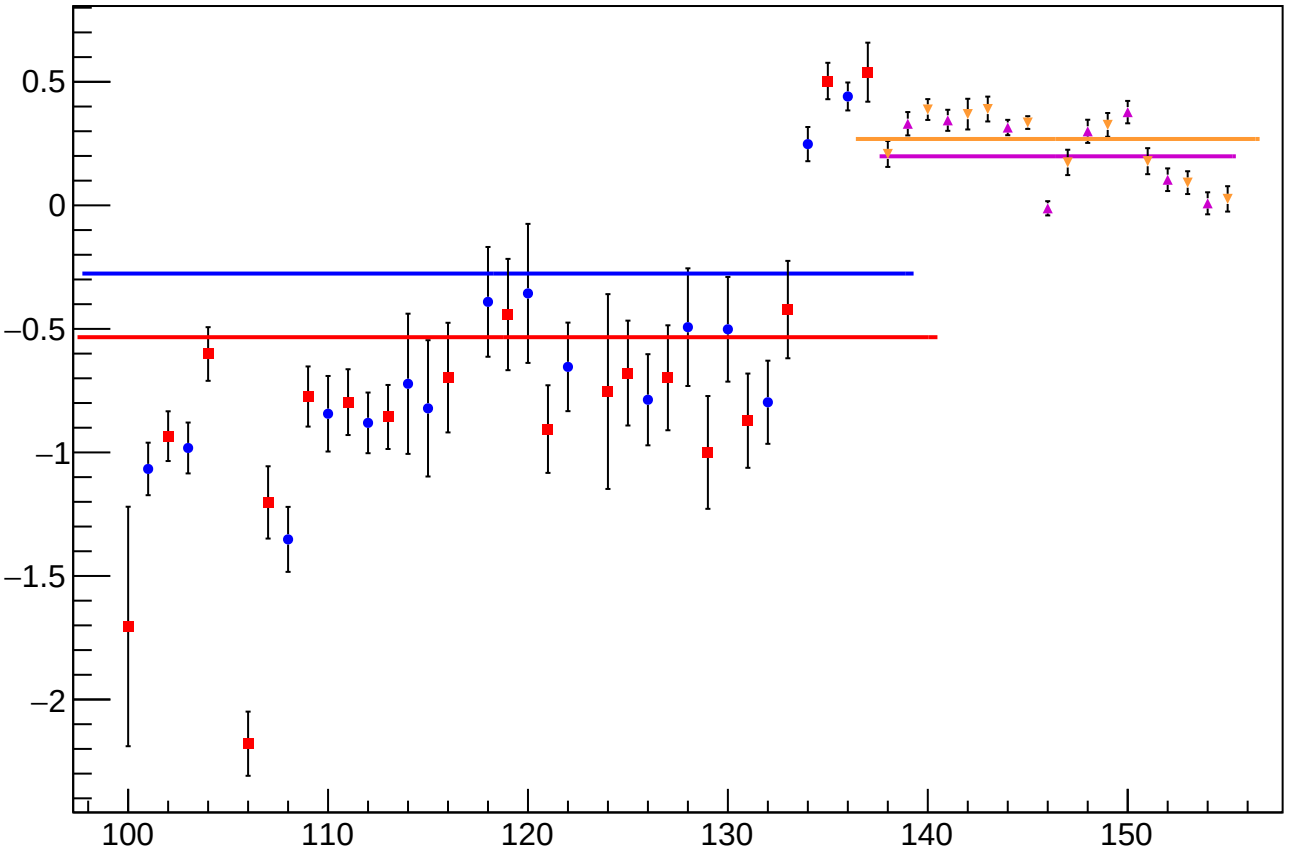
Left: 28.071+/-0.204 χ^2/NDF: 1016.0/17

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 28.994+/-0.252 χ^2/NDF:925.0/23

Out: 26.547+/-0.264 χ^2/NDF:1001.2/28

All: 27.823+/-0.182 χ^2/NDF: 1971.2/52



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.269+/-0.014 χ^2/NDF:69.1/9

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.198+/-0.014 χ^2/NDF:129.4/7

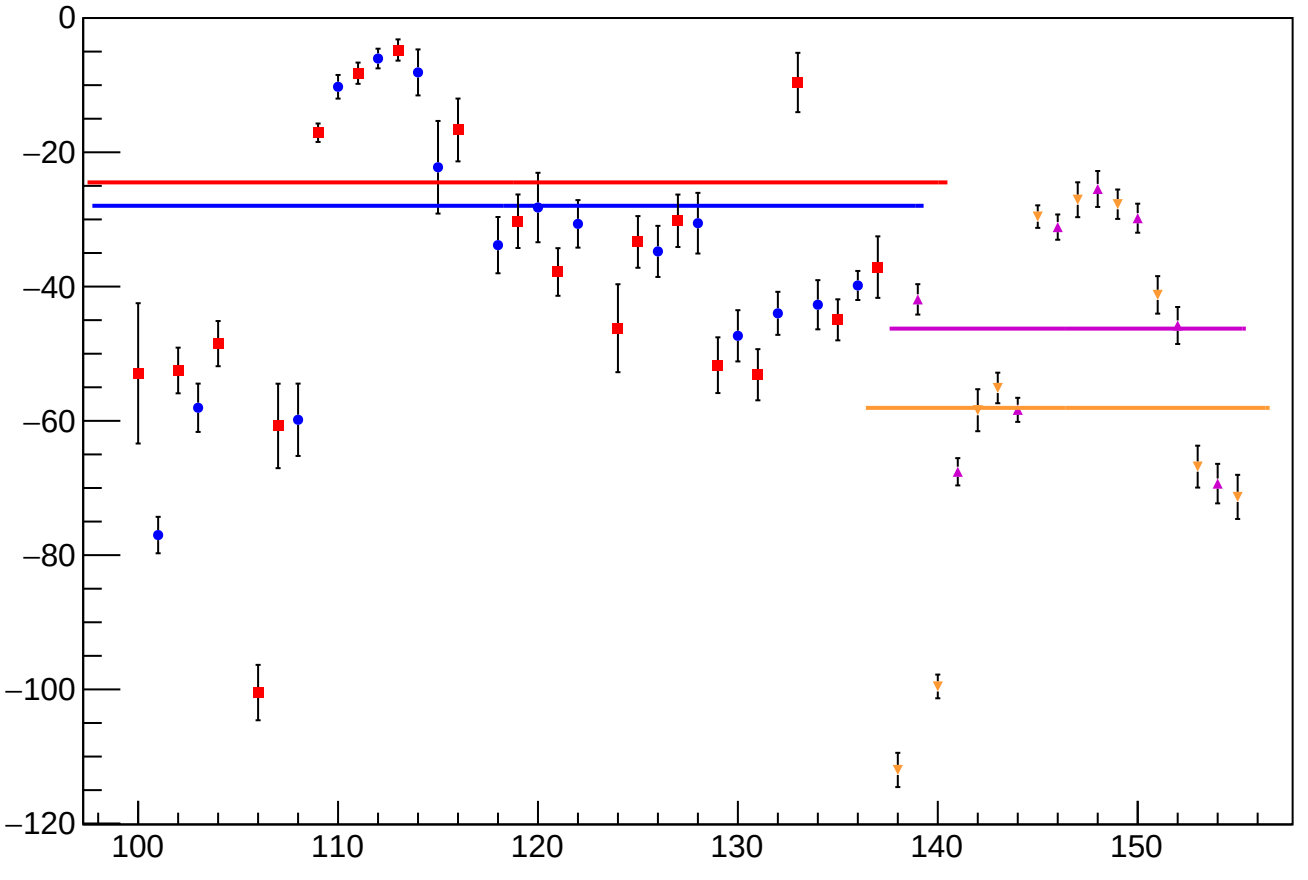
Left: 0.233+/-0.010 χ^2/NDF: 211.1/17

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.117+/-0.013 χ^2/NDF:783.9/23

Out: 0.145+/-0.013 χ^2/NDF:1084.2/28

All: 0.131+/-0.009 χ^2/NDF: 1870.4/52



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -58.065+/-0.744 χ^2/NDF:1684.1/9

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -46.261+/-0.783 χ^2/NDF:403.7/7

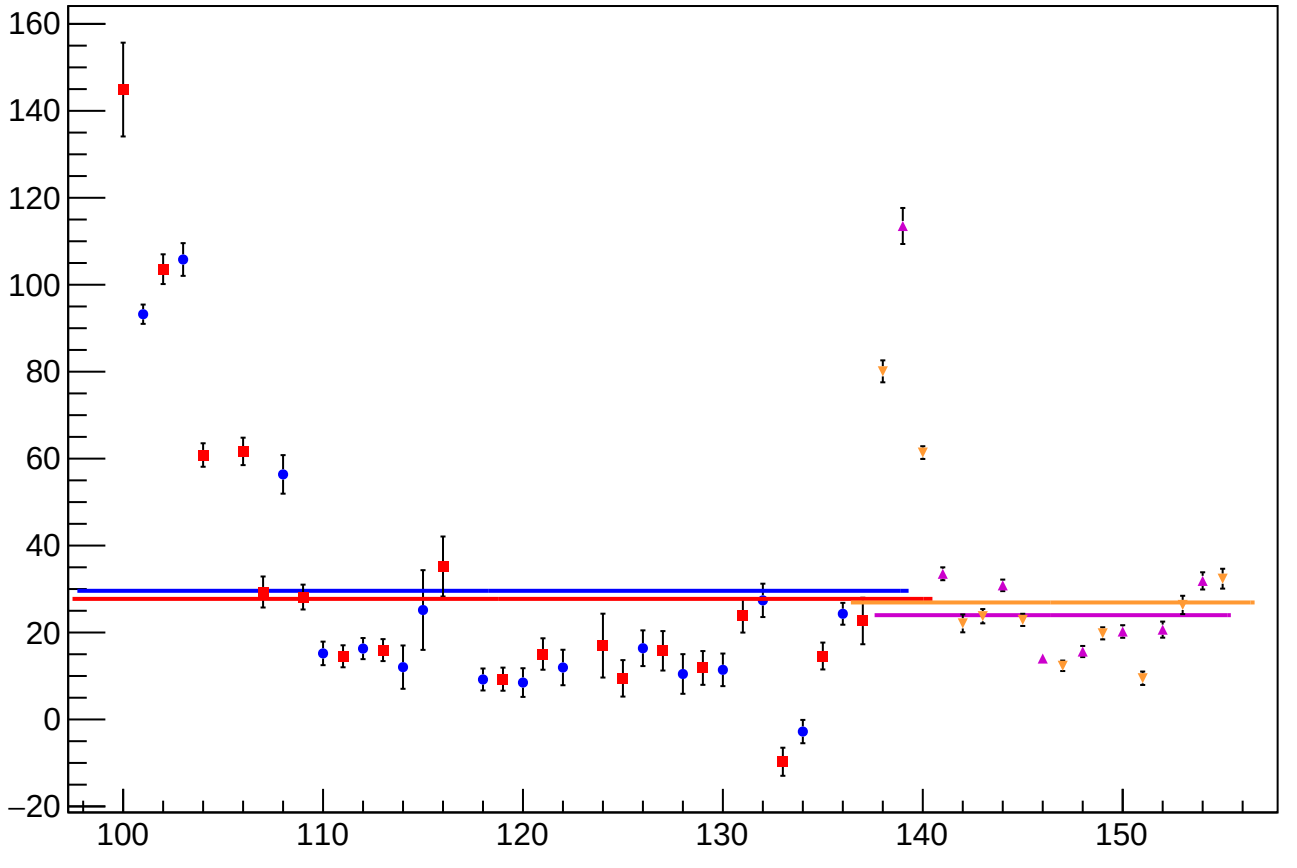
Left: -52.462+/-0.539 χ^2/NDF: 2207.2/17

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -36.445+/-0.533 χ^2/NDF:1591.3/23

Out: -39.339+/-0.495 χ^2/NDF:3809.0/28

All: -37.999+/-0.363 χ^2/NDF: 5416.2/52



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 26.911+/-0.515 χ^2/NDF:1317.7/9

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 23.990+/-0.537 χ^2/NDF:678.9/7

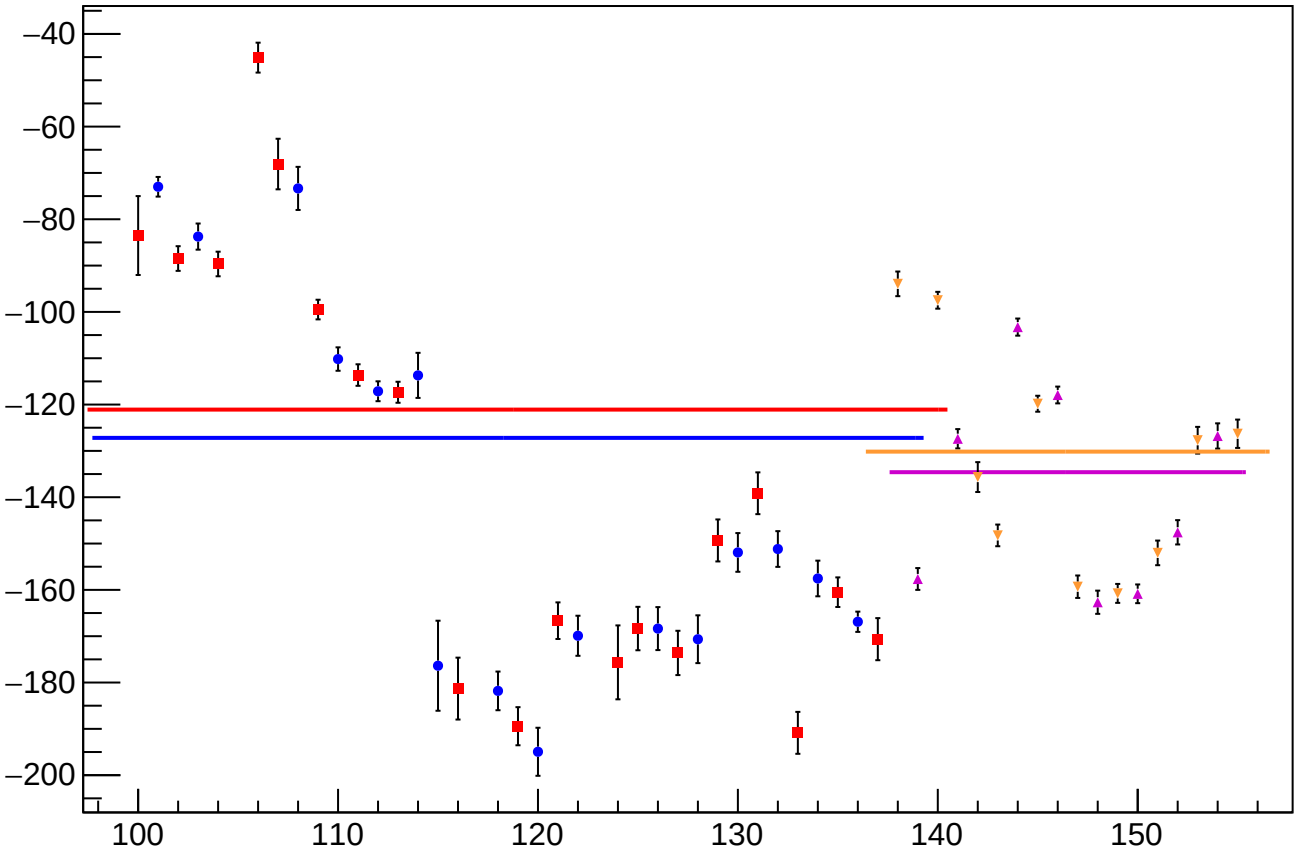
Left: 25.511+/-0.372 χ^2/NDF: 2012.1/17

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 25.707+/-0.447 χ^2/NDF:2378.1/23

Out: 27.154+/-0.432 χ^2/NDF:2503.5/28

All: 26.454+/-0.311 χ^2/NDF: 4887.0/52



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -130.157+/-0.738 χ^2/NDF:1046.3/9

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -134.596+/-0.769 χ^2/NDF:806.7/7

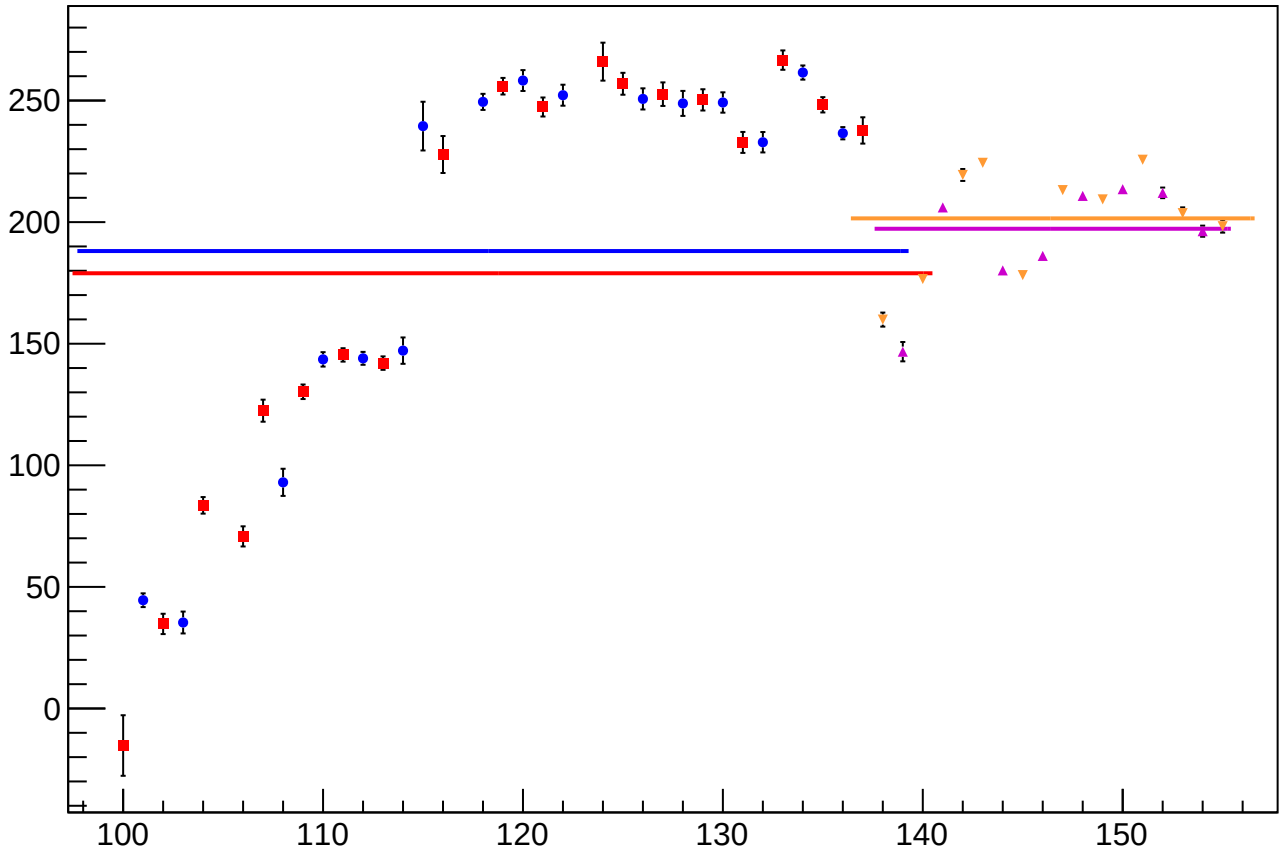
Left: -132.284+/-0.532 χ^2/NDF: 1870.3/17

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -131.173+/-0.564 χ^2/NDF:3027.7/23

Out: -125.976+/-0.542 χ^2/NDF:3513.3/28

All: -128.470+/-0.391 χ^2/NDF: 6585.2/52



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 201.540+/-0.624 χ^2/NDF:1035.7/9

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 197.274+/-0.649 χ^2/NDF:568.2/7

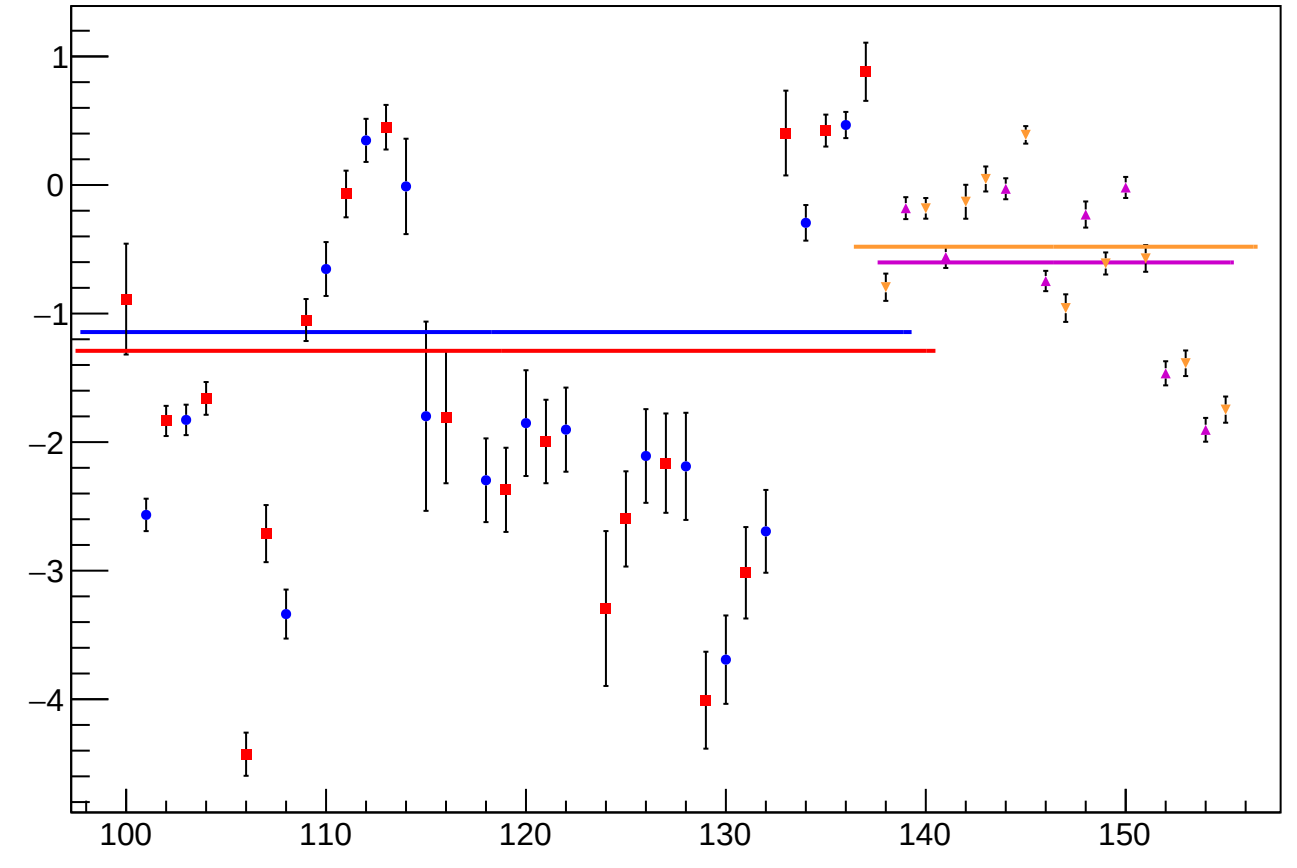
Left: 199.491+/-0.450 χ^2/NDF: 1626.3/17

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 194.217+/-0.530 χ^2/NDF:7753.3/23

Out: 194.297+/-0.514 χ^2/NDF:8123.9/28

All: 194.258+/-0.369 χ^2/NDF: 15877.2/52



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.480+/-0.030 χ^2/NDF:482.5/9

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.602+/-0.031 χ^2/NDF:424.1/7

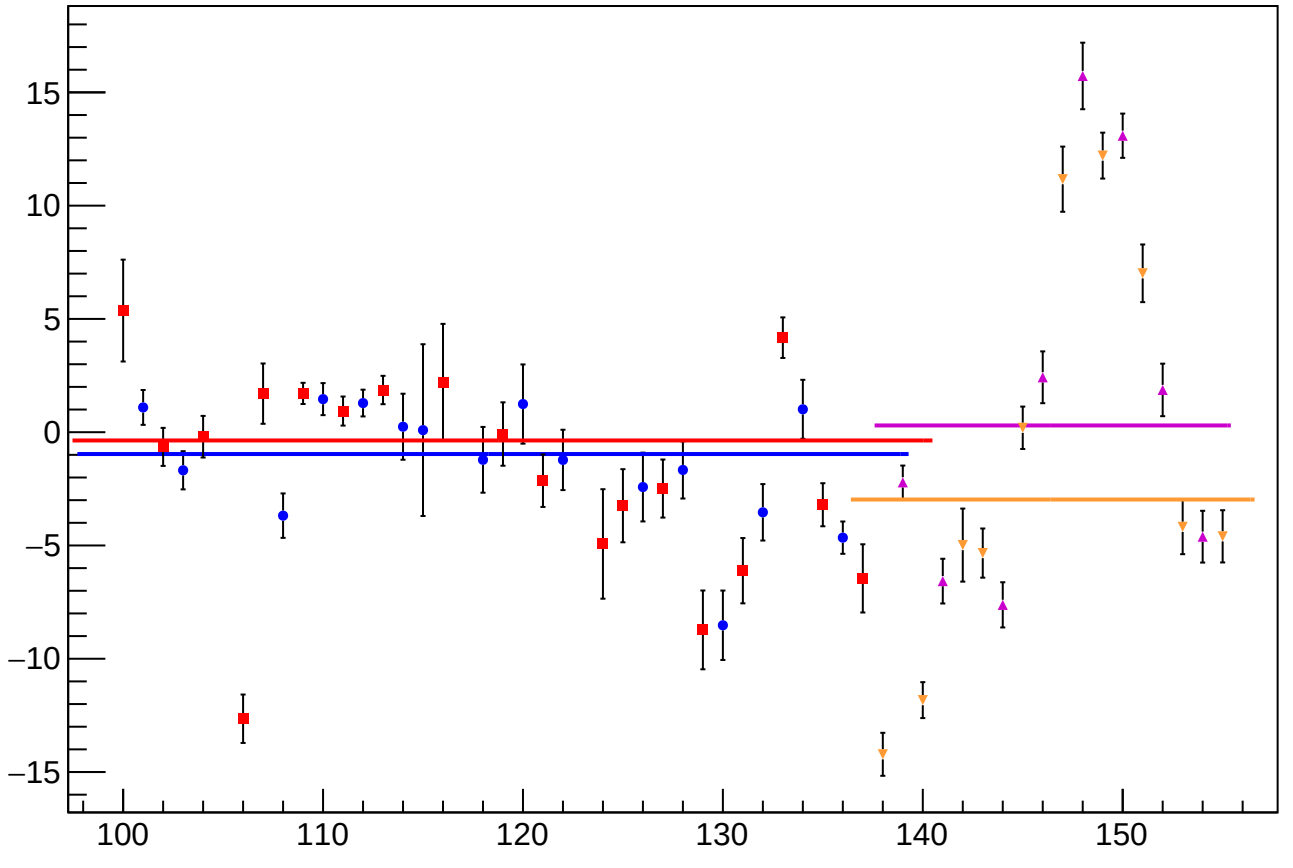
Left: -0.539+/-0.021 χ^2/NDF: 914.8/17

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.759+/-0.026 χ^2/NDF:1301.8/23

Out: -0.708+/-0.025 χ^2/NDF:1690.1/28

All: -0.733+/-0.018 χ^2/NDF: 2994.0/52



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -2.972+/-0.341 χ^2/NDF:668.4/9

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: 0.298+/-0.362 χ^2/NDF:428.5/7

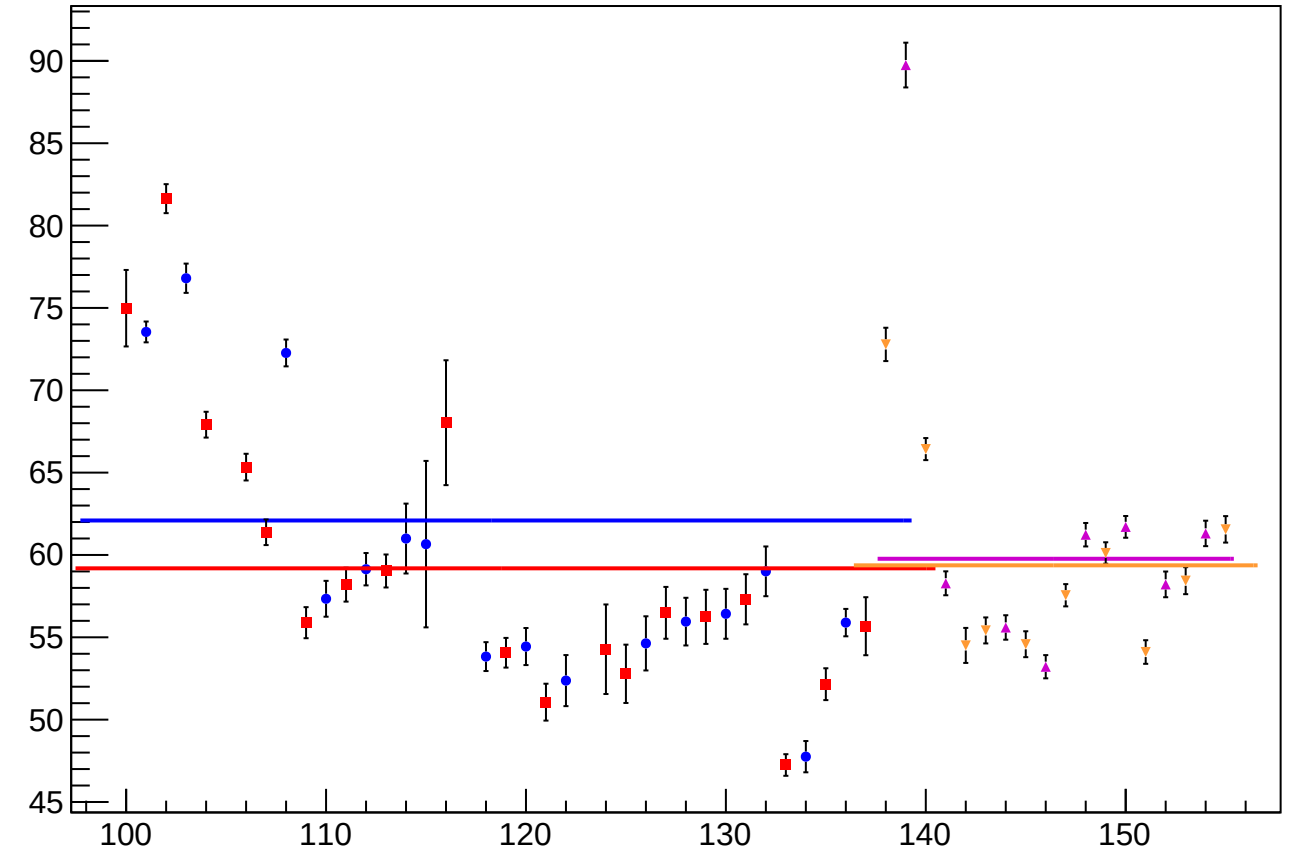
Left: -1.433+/-0.248 χ^2/NDF: 1140.1/17

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -0.549+/-0.207 χ^2/NDF:539.8/23

Out: -1.149+/-0.187 χ^2/NDF:989.8/28

All: -0.880+/-0.139 χ^2/NDF: 1534.2/52



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 59.370+/-0.244 χ^2/NDF:441.1/9

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 59.769+/-0.269 χ^2/NDF:629.6/7

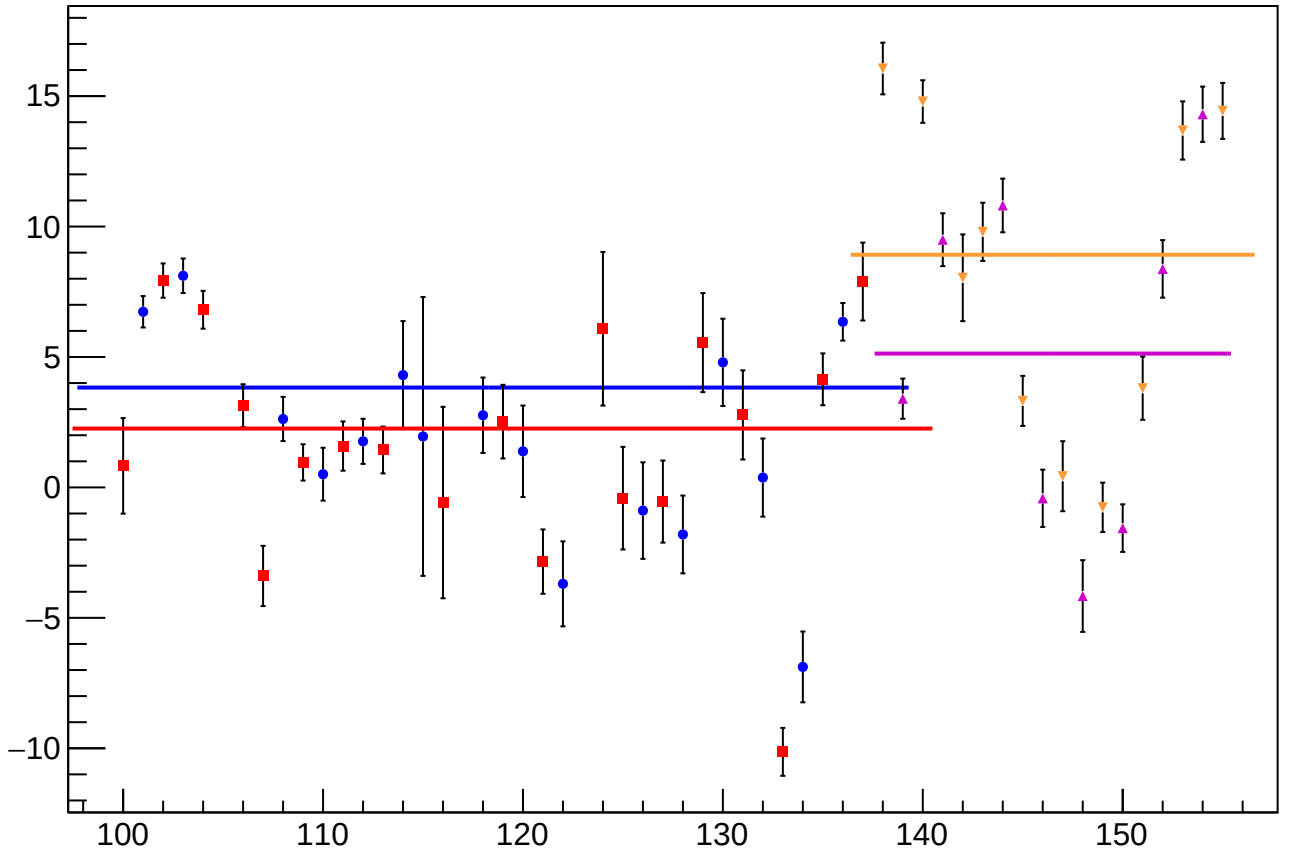
Left: 59.550+/-0.181 χ^2/NDF: 1071.9/17

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 60.946+/-0.189 χ^2/NDF:1968.8/23

Out: 59.279+/-0.172 χ^2/NDF:1843.5/28

All: 60.036+/-0.127 χ^2/NDF: 3854.8/52



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 8.919+/-0.337 χ^2/NDF:345.7/9

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 5.130+/-0.356 χ^2/NDF:262.6/7

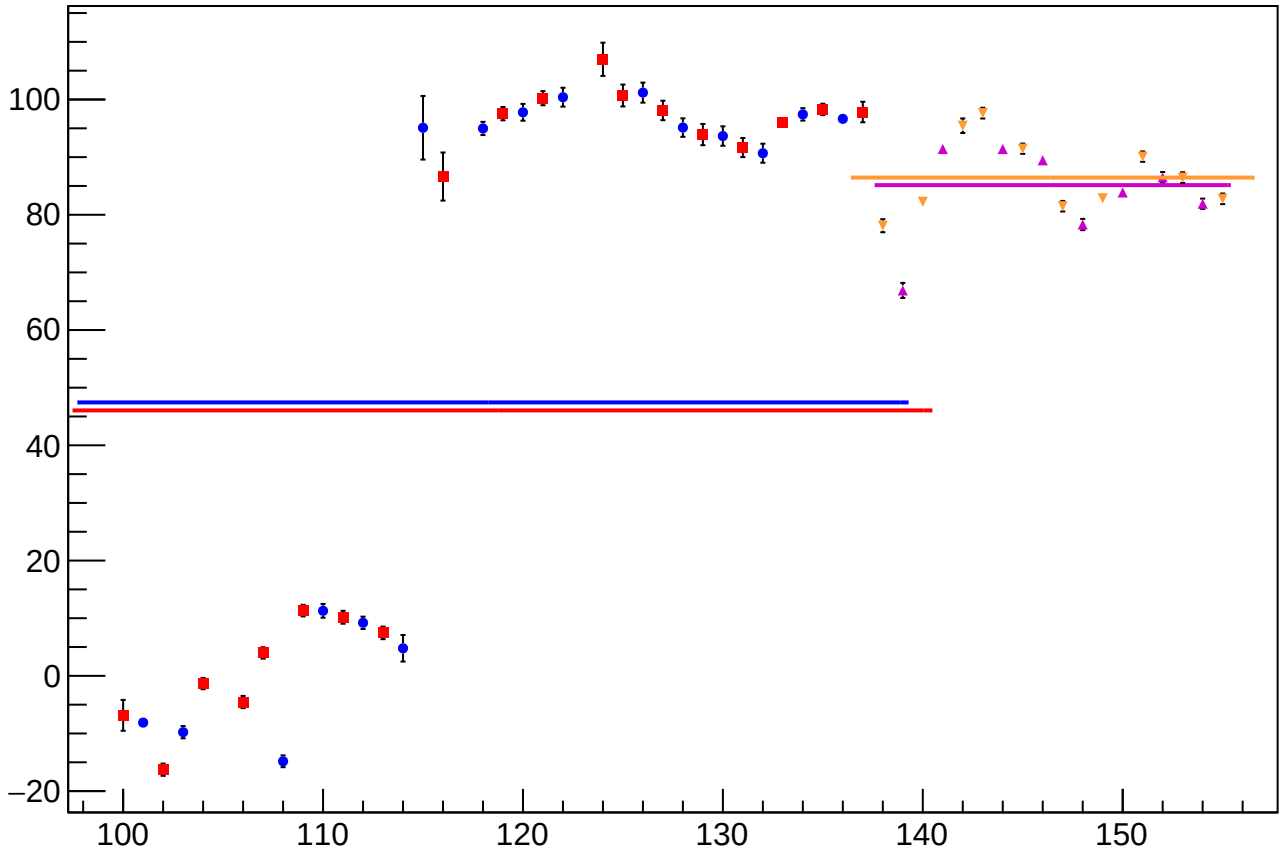
Left: 7.129+/-0.245 χ^2/NDF: 668.0/17

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 4.292+/-0.213 χ^2/NDF:479.8/23

Out: 4.576+/-0.199 χ^2/NDF:972.0/28

All: 4.444+/-0.145 χ^2/NDF: 1452.8/52



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 86.453+/-0.292 χ^2/NDF:390.3/9

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 85.144+/-0.319 χ^2/NDF:392.9/7

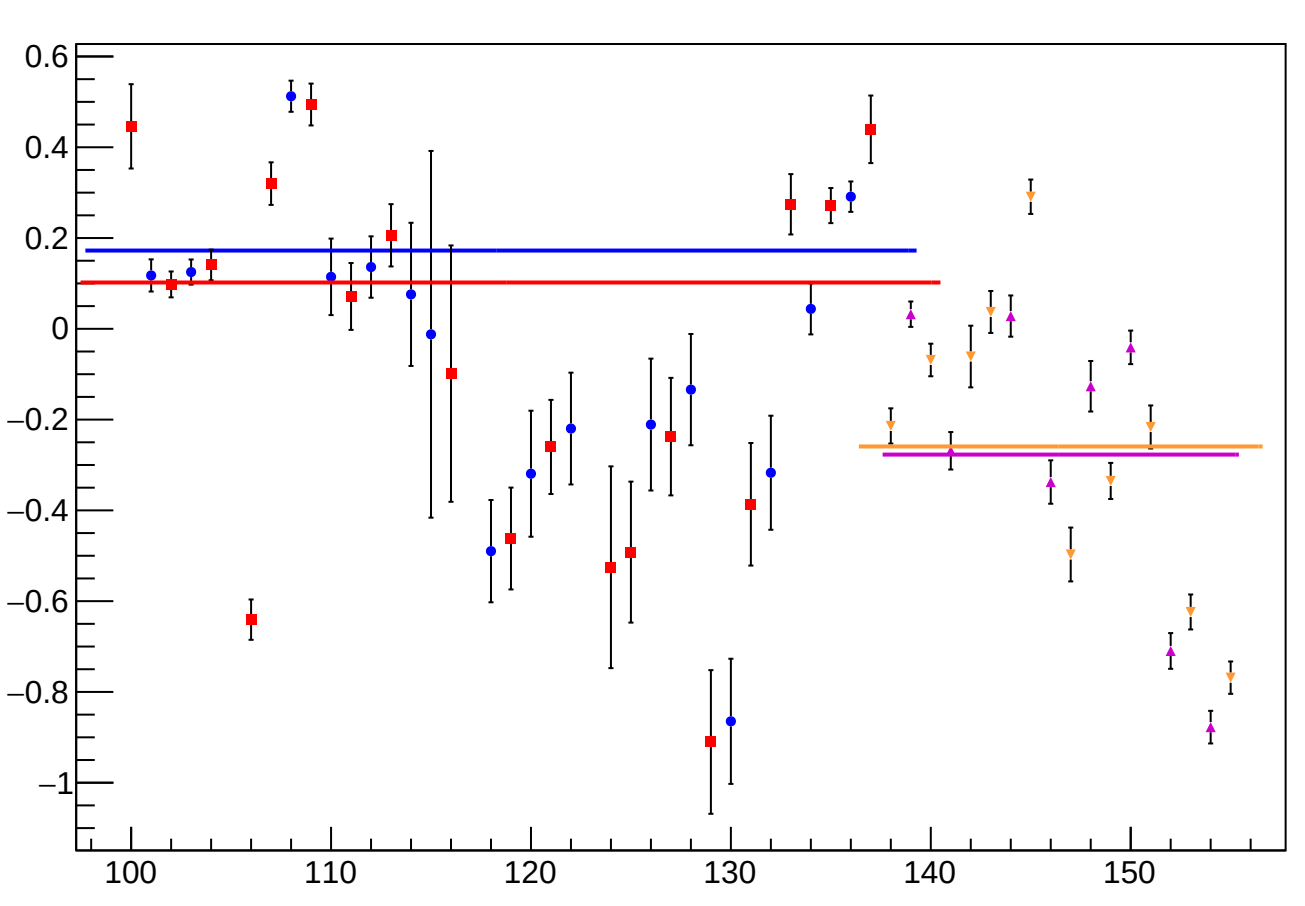
Left: 85.857+/-0.215 χ^2/NDF: 792.3/17

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 65.629+/-0.222 χ^2/NDF:34504.8/23

Out: 65.738+/-0.204 χ^2/NDF:39118.3/28

All: 65.689+/-0.150 χ^2/NDF: 73623.2/52



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.259+/-0.013 χ^2/NDF:604.4/9

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.277+/-0.014 χ^2/NDF:617.5/7

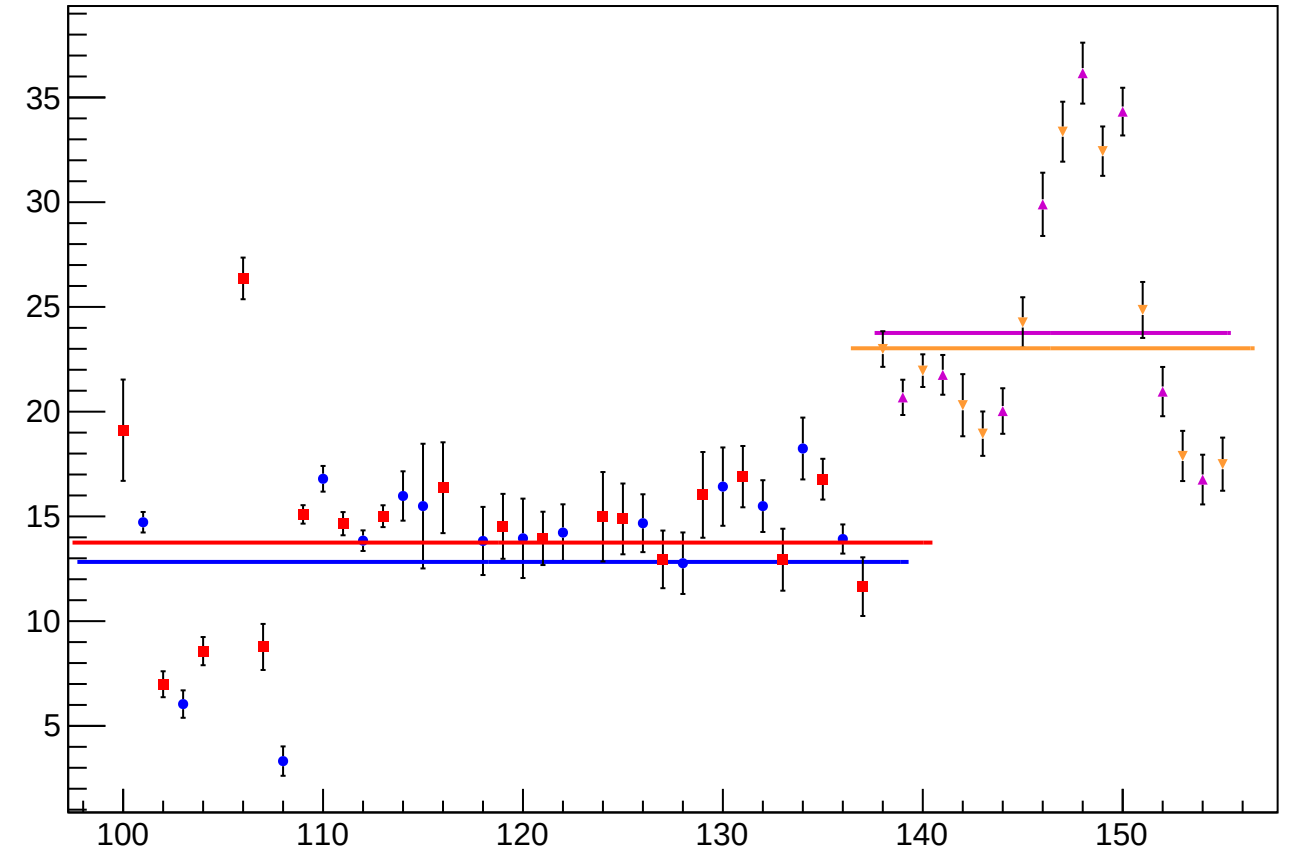
Left: -0.268+/-0.010 χ^2/NDF: 1222.8/17

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.058+/-0.010 χ^2/NDF:1400.4/23

Out: -0.080+/-0.009 χ^2/NDF:1527.6/28

All: -0.070+/-0.007 χ^2/NDF: 2930.6/52



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 23.026+/-0.350 χ^2/NDF:176.3/9

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 23.757+/-0.393 χ^2/NDF:245.3/7

Left: 23.350+/-0.261 χ^2/NDF: 423.6/17

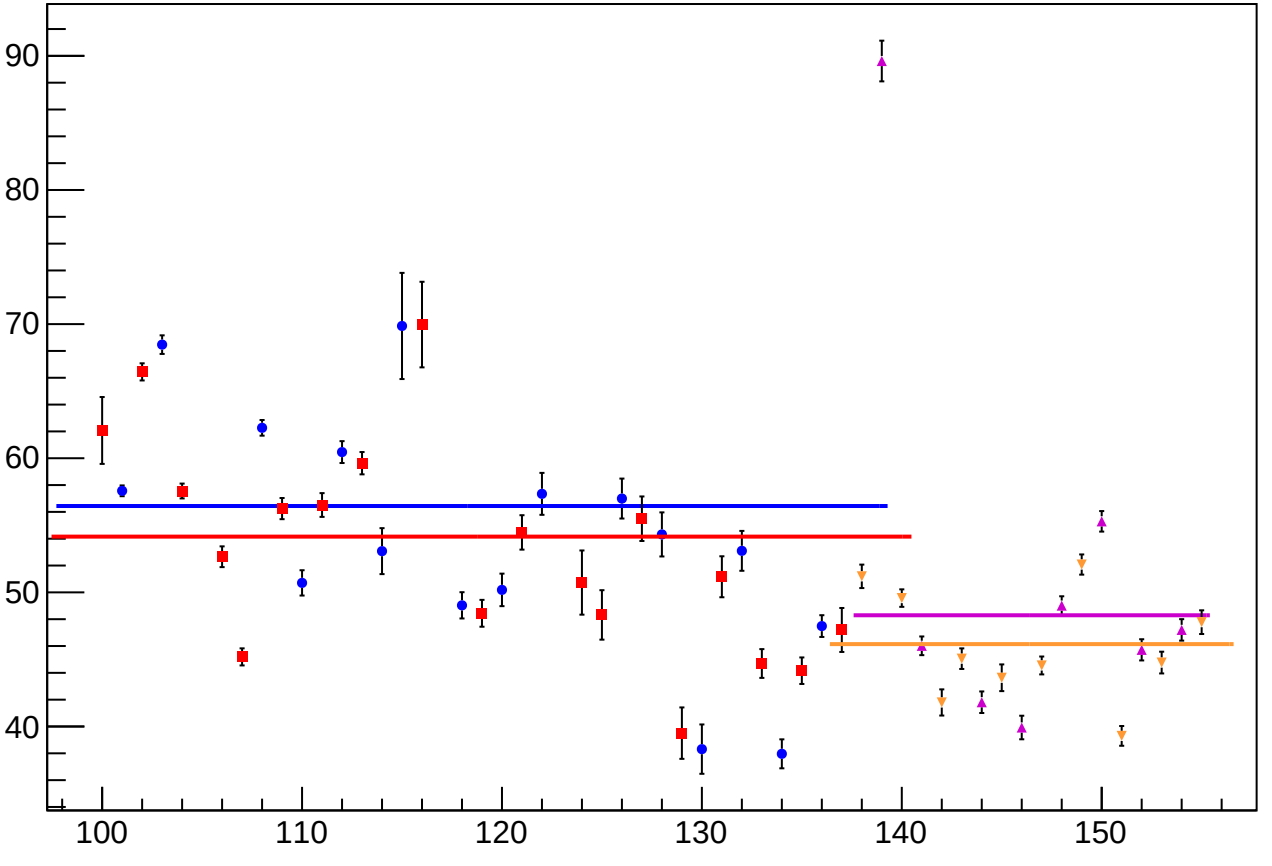
Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.330+/-0.188 χ^2/NDF:1230.4/23

Out: 16.101+/-0.176 χ^2/NDF:1103.7/28

All: 15.740+/-0.129 χ^2/NDF: 2343.1/52

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+/-0.249 χ^2/NDF:249.8/9

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 48.292+/-0.285 χ^2/NDF:1005.6/7

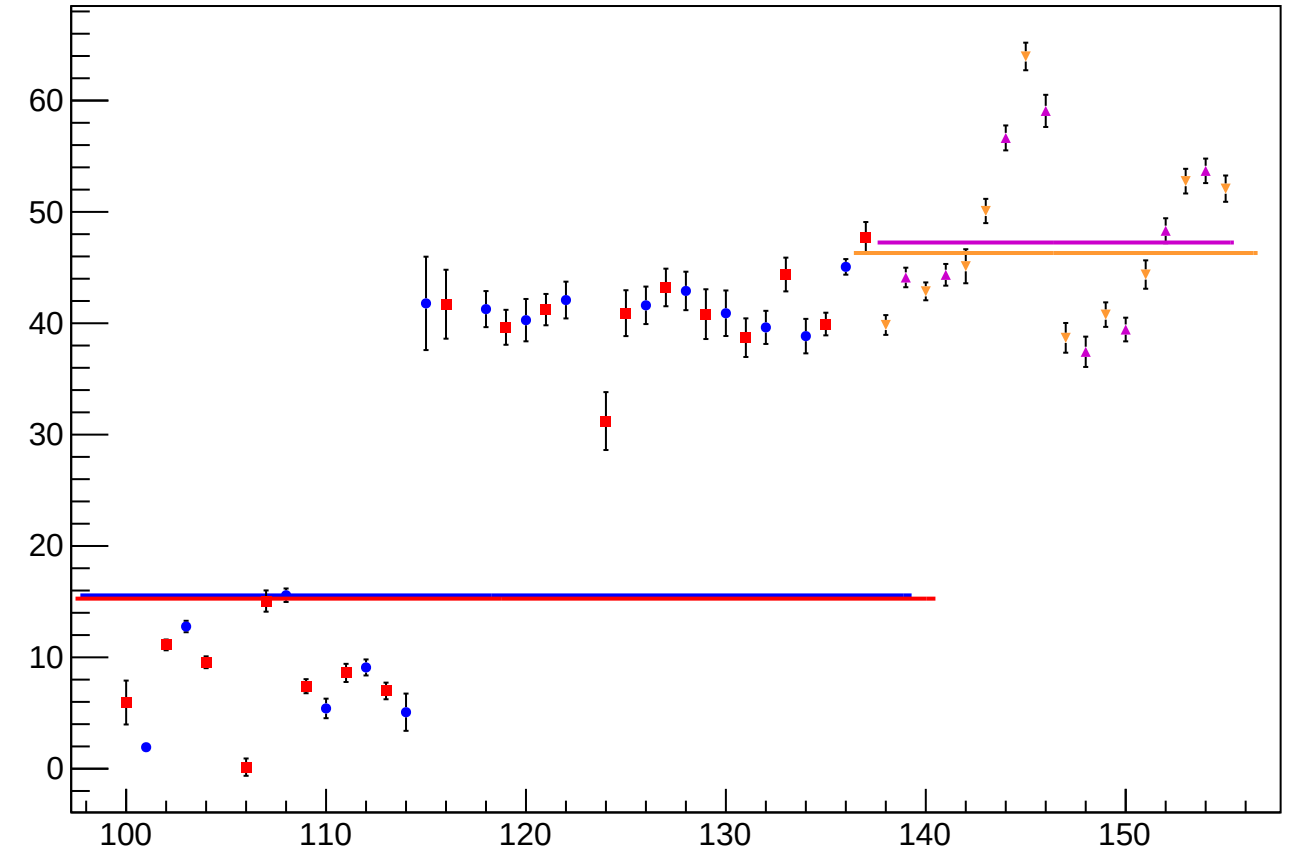
Left: 47.073+/-0.188 χ^2/NDF: 1287.6/17

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 53.371+/-0.175 χ^2/NDF:2601.4/23

Out: 50.568+/-0.167 χ^2/NDF:1826.7/28

All: 51.902+/-0.121 χ^2/NDF: 4562.4/52



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 46.309+/-0.348 χ^2/NDF:405.1/9

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 47.251+/-0.387 χ^2/NDF:300.1/7

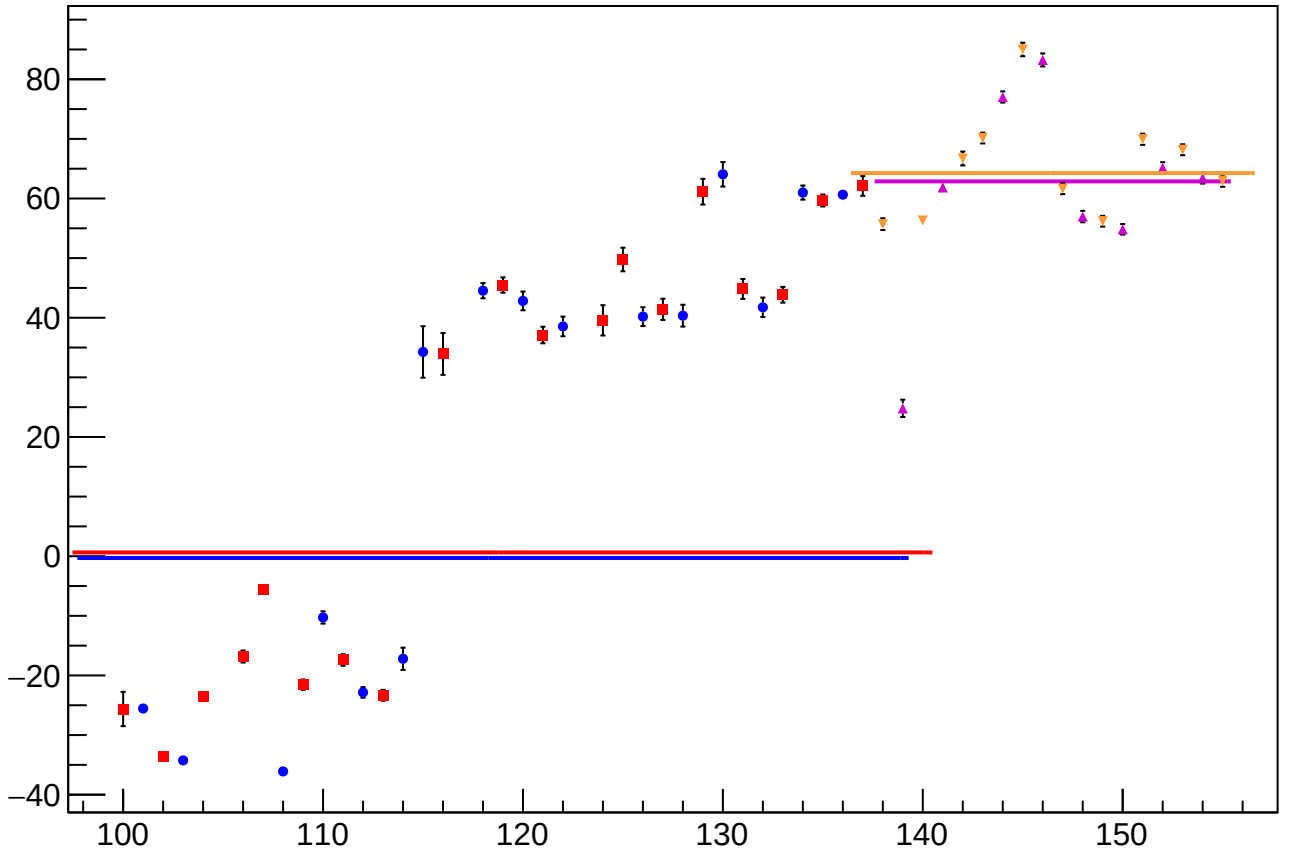
Left: 46.730+/-0.259 χ^2/NDF: 708.4/17

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 22.982+/-0.187 χ^2/NDF:10611.5/23

Out: 24.100+/-0.185 χ^2/NDF:9984.2/28

All: 23.547+/-0.132 χ^2/NDF: 20613.7/52



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 64.267+/-0.300 χ^2/NDF:701.7/9

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 62.868+/-0.341 χ^2/NDF:1382.1/7

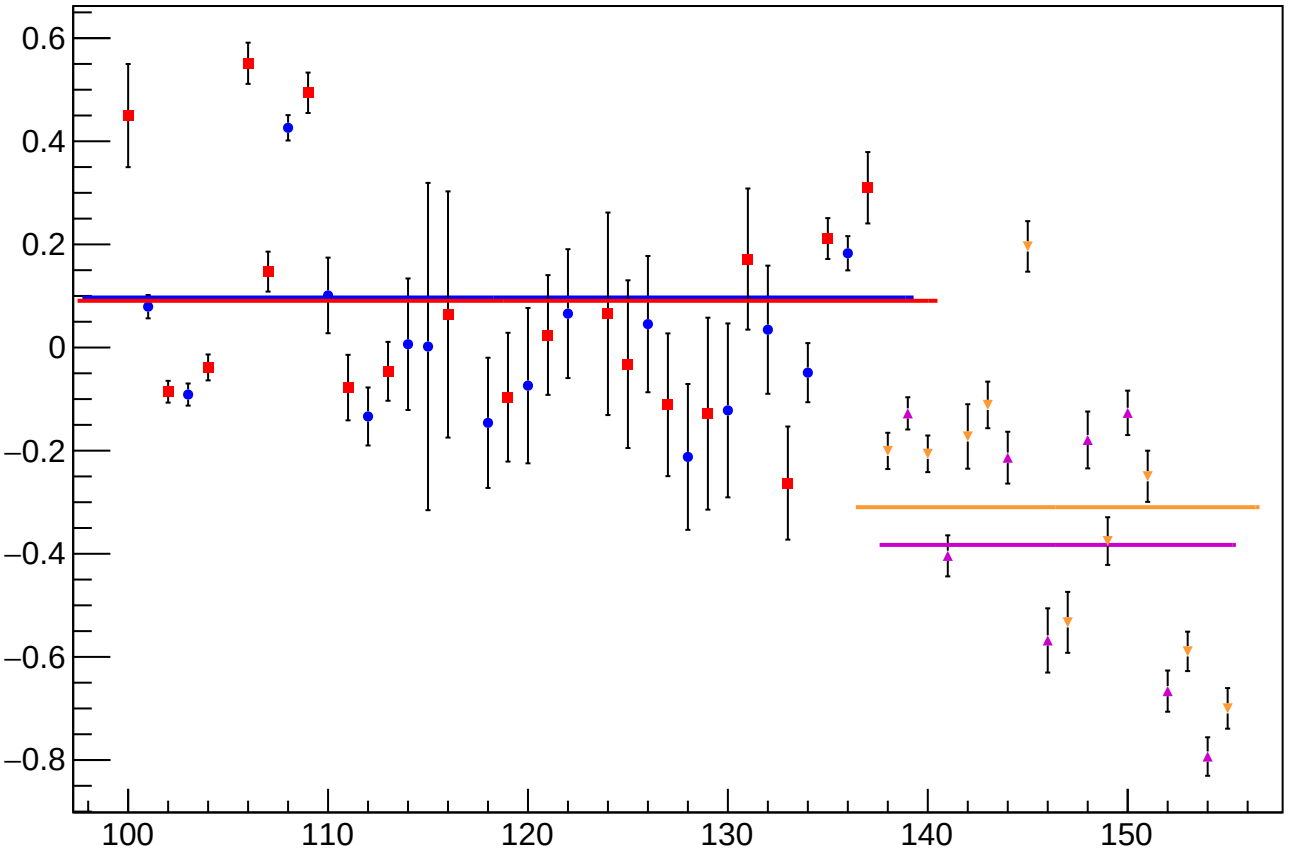
Left: 63.657+/-0.225 χ^2/NDF: 2093.3/17

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 23.044+/-0.208 χ^2/NDF:43988.4/23

Out: 28.344+/-0.198 χ^2/NDF:42105.8/28

All: 25.818+/-0.143 χ^2/NDF: 86435.5/52



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.310+/-0.014 χ^2/NDF:318.1/9

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.383+/-0.015 χ^2/NDF:307.1/7

Left: -0.343+/-0.010 χ^2/NDF: 638.3/17

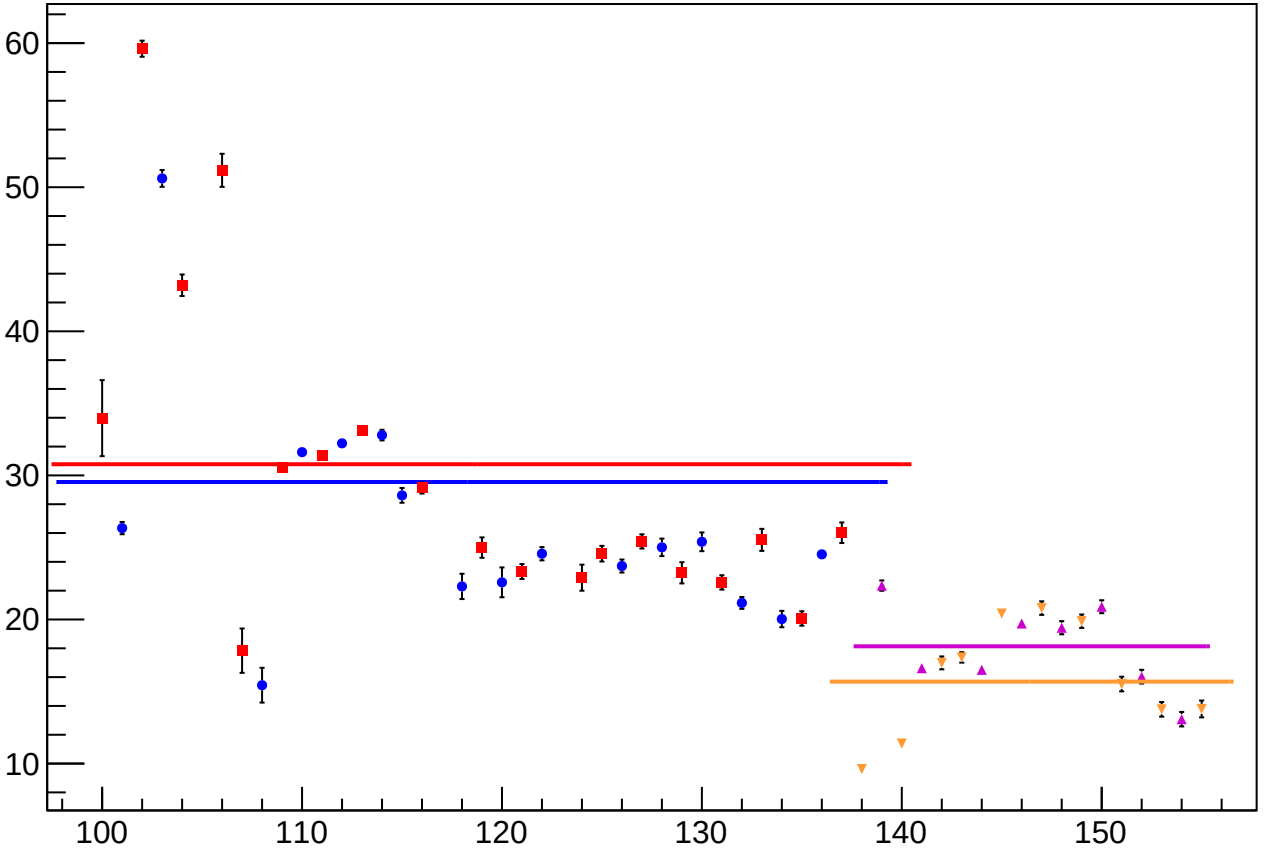
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.077+/-0.009 χ^2/NDF:1269.4/23

Out: -0.072+/-0.009 χ^2/NDF:1218.0/28

All: -0.074+/-0.006 χ^2/NDF: 2487.5/52

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.689+/-0.121 χ^2/NDF:1135.9/9

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 18.138+/-0.132 χ^2/NDF:383.8/7

Left: 16.809+/-0.089 χ^2/NDF: 1706.8/17

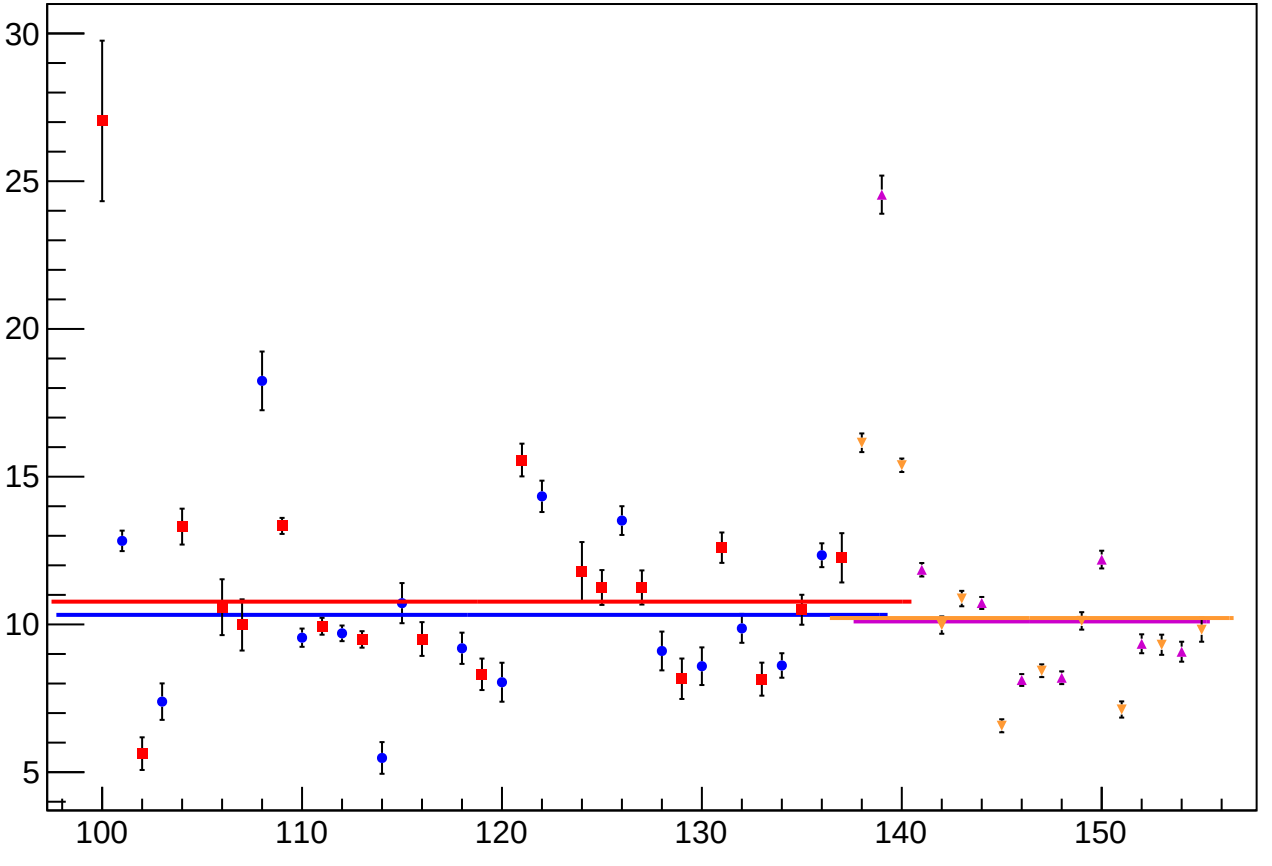
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 25.812+/-0.075 χ^2/NDF:8786.1/23

Out: 26.177+/-0.067 χ^2/NDF:17007.6/28

All: 26.017+/-0.050 χ^2/NDF: 25806.9/52

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.216+/-0.085 χ^2/NDF:1349.6/9

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 10.101+/-0.091 χ^2/NDF:808.1/7

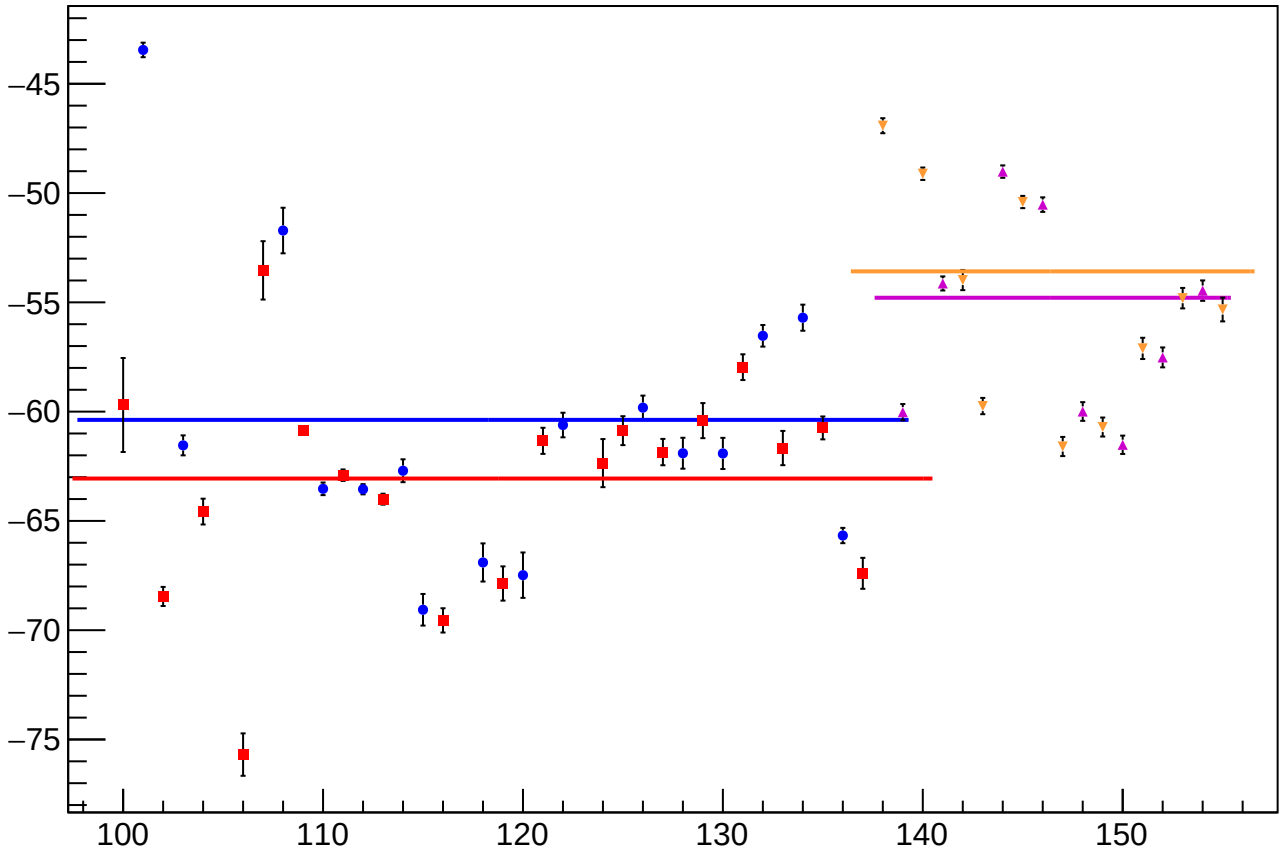
Left: 10.162+/-0.062 χ^2/NDF: 2158.5/17

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.187+/-0.071 χ^2/NDF:1213.0/23

Out: 10.418+/-0.068 χ^2/NDF:1780.7/28

All: 10.308+/-0.049 χ^2/NDF: 2999.3/52



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -53.583+/-0.121 χ^2/NDF:1694.8/9

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -54.790+/-0.130 χ^2/NDF:1218.8/7

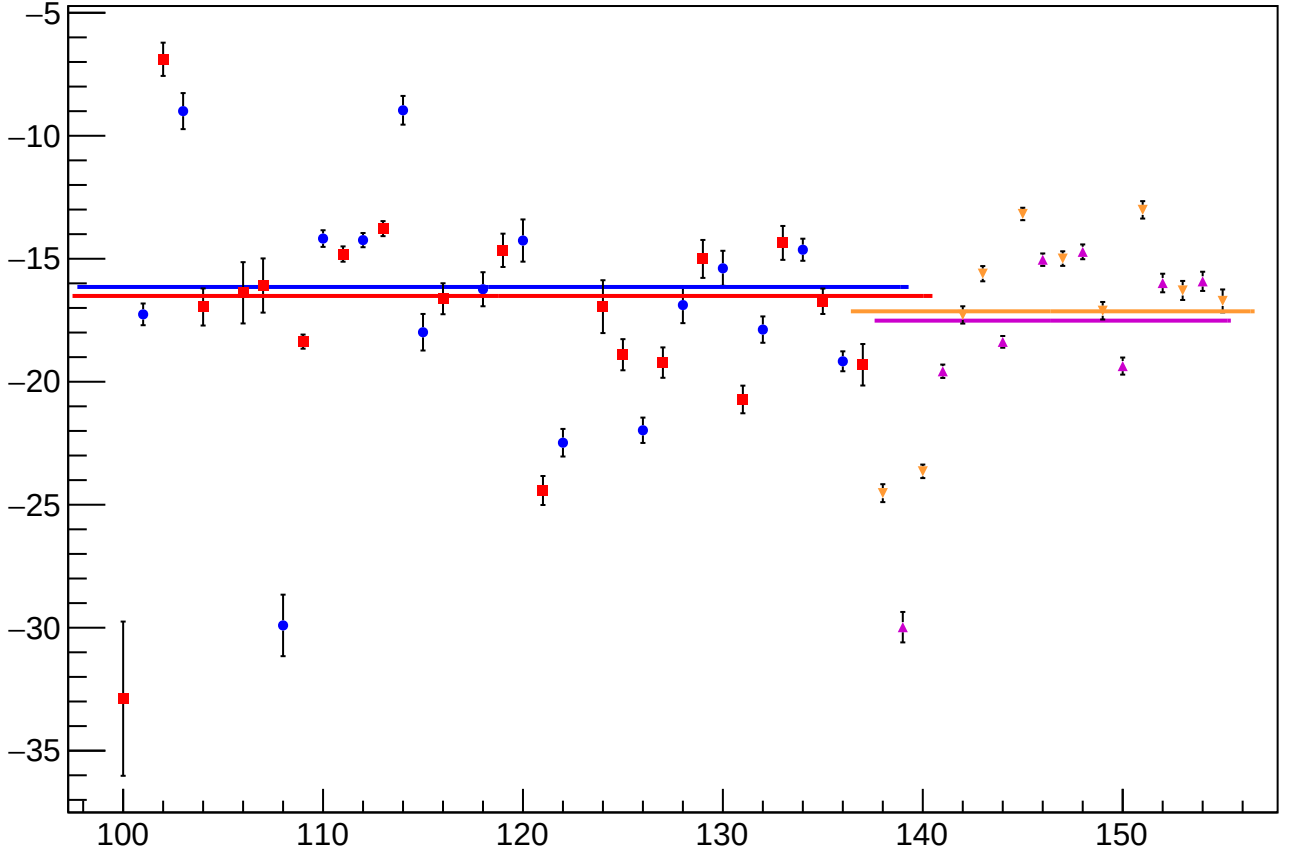
Left: -54.142+/-0.089 χ^2/NDF: 2959.6/17

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -57.982+/-0.085 χ^2/NDF:5864.7/23

Out: -58.900+/-0.080 χ^2/NDF:5967.6/28

All: -58.469+/-0.059 χ^2/NDF: 11893.6/52



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.137+/-0.103 χ^2/NDF:1434.9/9

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -17.516+/-0.110 χ^2/NDF:719.0/7

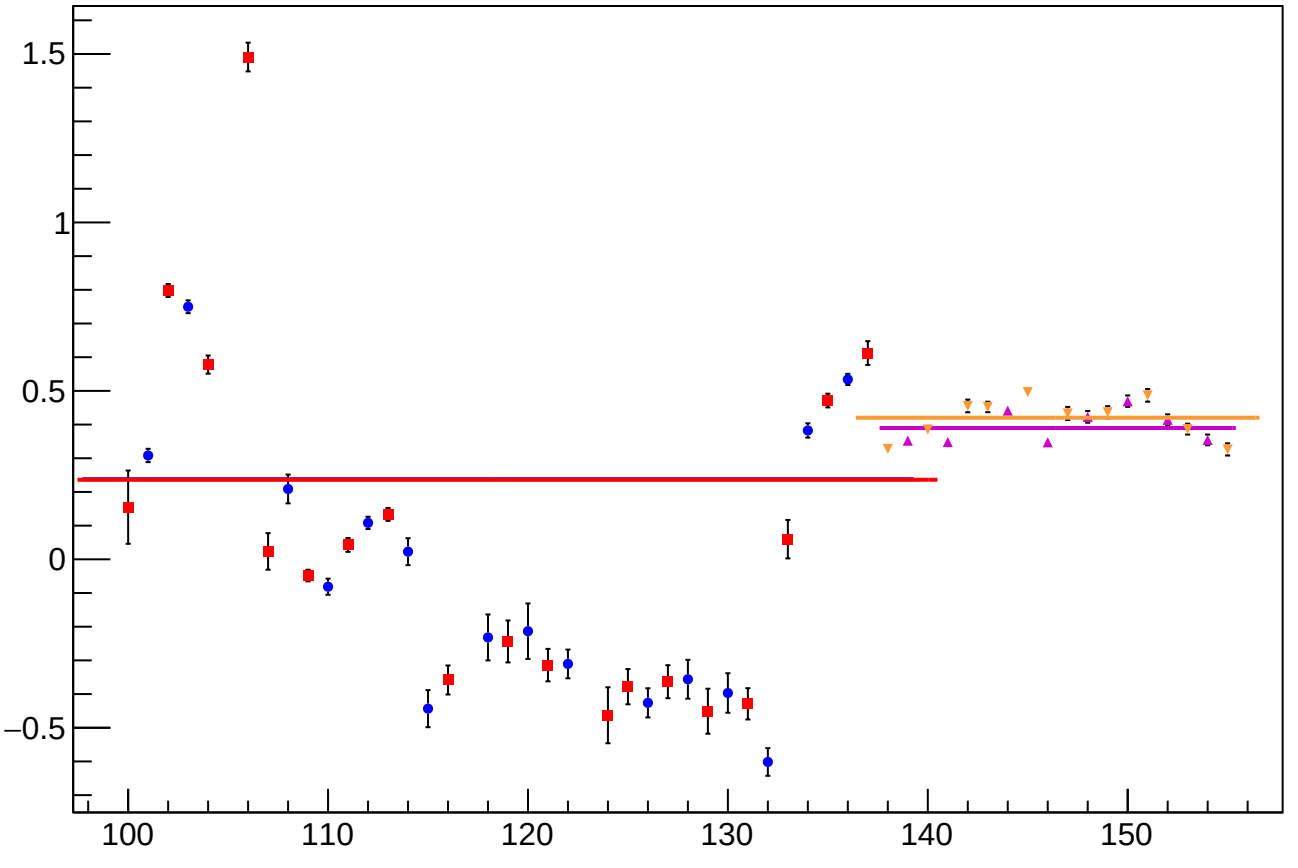
Left: -17.314+/-0.075 χ^2/NDF: 2160.1/17

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -16.928+/-0.083 χ^2/NDF:1582.2/23

Out: -16.882+/-0.080 χ^2/NDF:2134.4/28

All: -16.904+/-0.058 χ^2/NDF: 3716.8/52



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.420+/-0.005 χ^2/NDF:151.3/9

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.390+/-0.005 χ^2/NDF:76.1/7

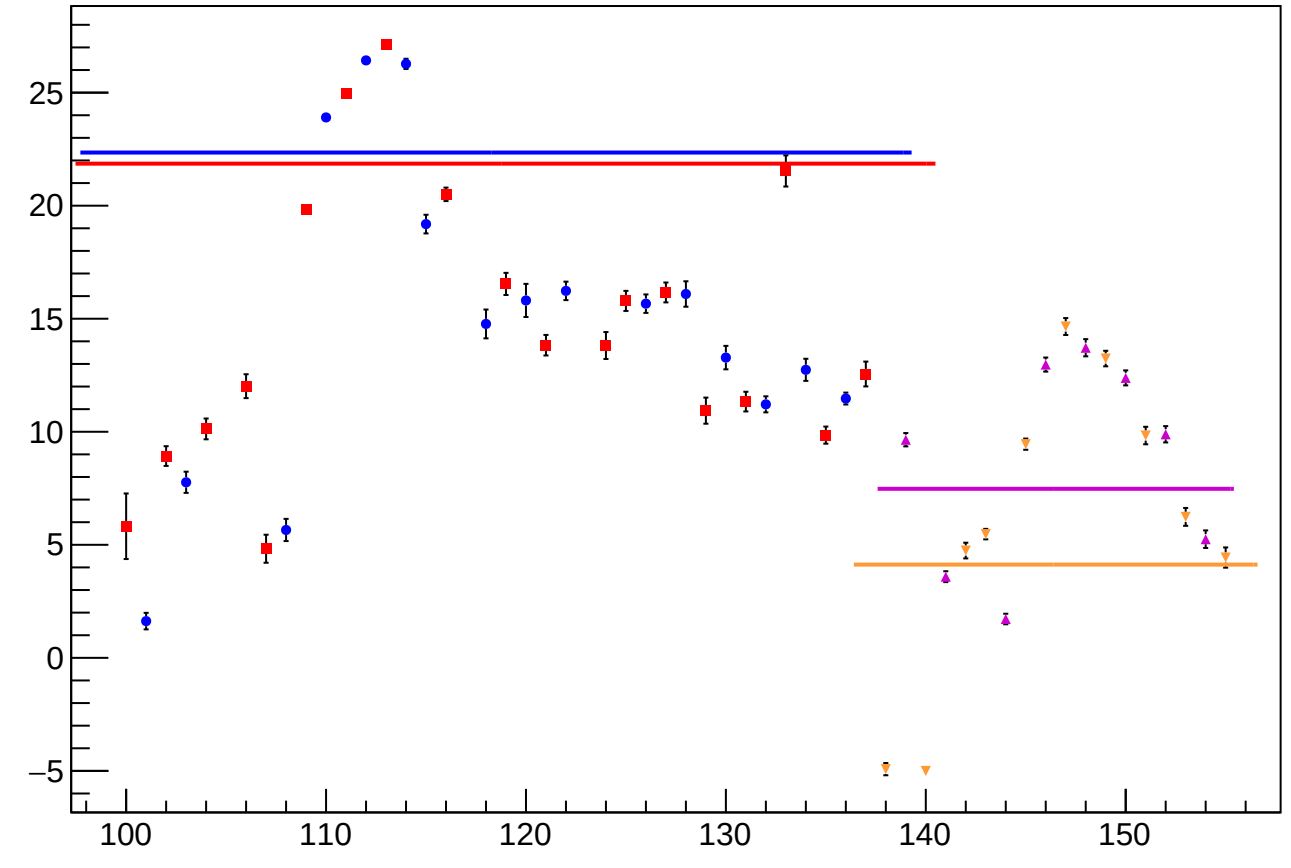
Left: 0.406+/-0.004 χ^2/NDF: 245.6/17

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.336+/-0.004 χ^2/NDF:3009.7/23

Out: 0.361+/-0.004 χ^2/NDF:4202.7/28

All: 0.349+/-0.003 χ^2/NDF: 7230.2/52



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 4.124+/-0.094 χ^2/NDF:5175.1/9

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 7.477+/-0.107 χ^2/NDF:1801.6/7

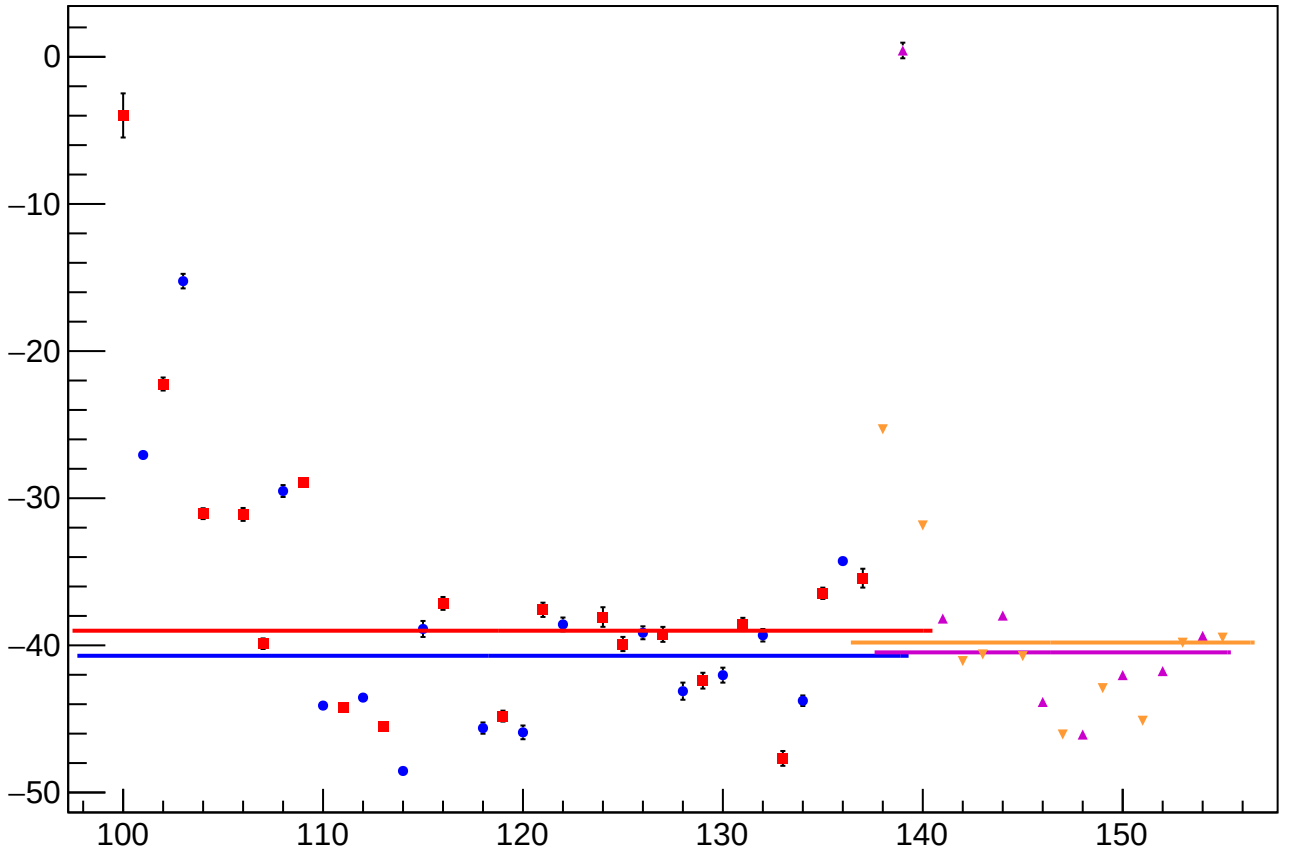
Left: 5.595+/-0.071 χ^2/NDF: 7530.3/17

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 19.090+/-0.050 χ^2/NDF:29299.2/23

Out: 18.420+/-0.042 χ^2/NDF:44336.5/28

All: 18.694+/-0.032 χ^2/NDF: 73742.0/52



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.808+/-0.066 χ^2/NDF:7309.6/9

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -40.477+/-0.074 χ^2/NDF:7696.4/7

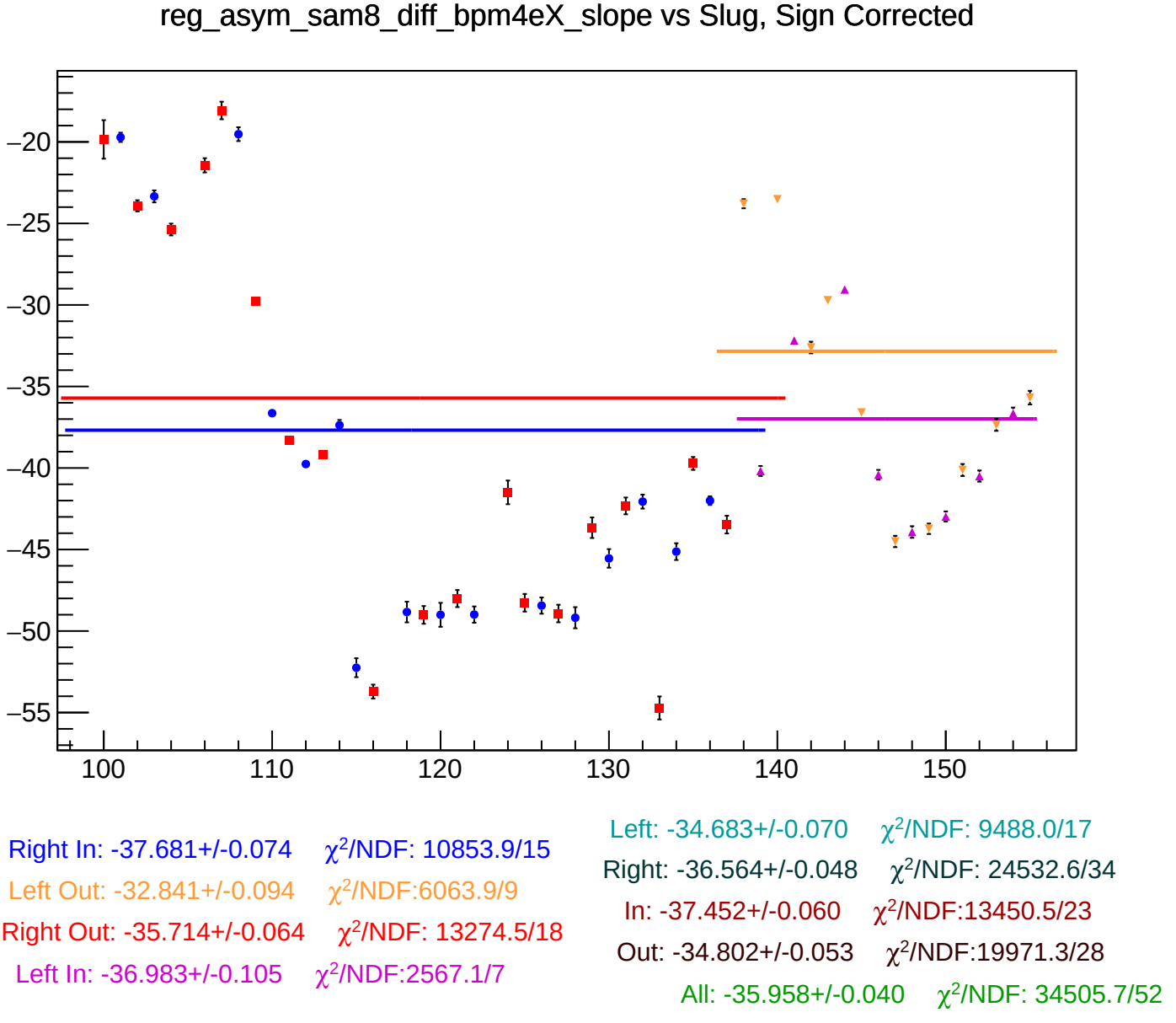
Left: -40.105+/-0.049 χ^2/NDF: 15051.2/17

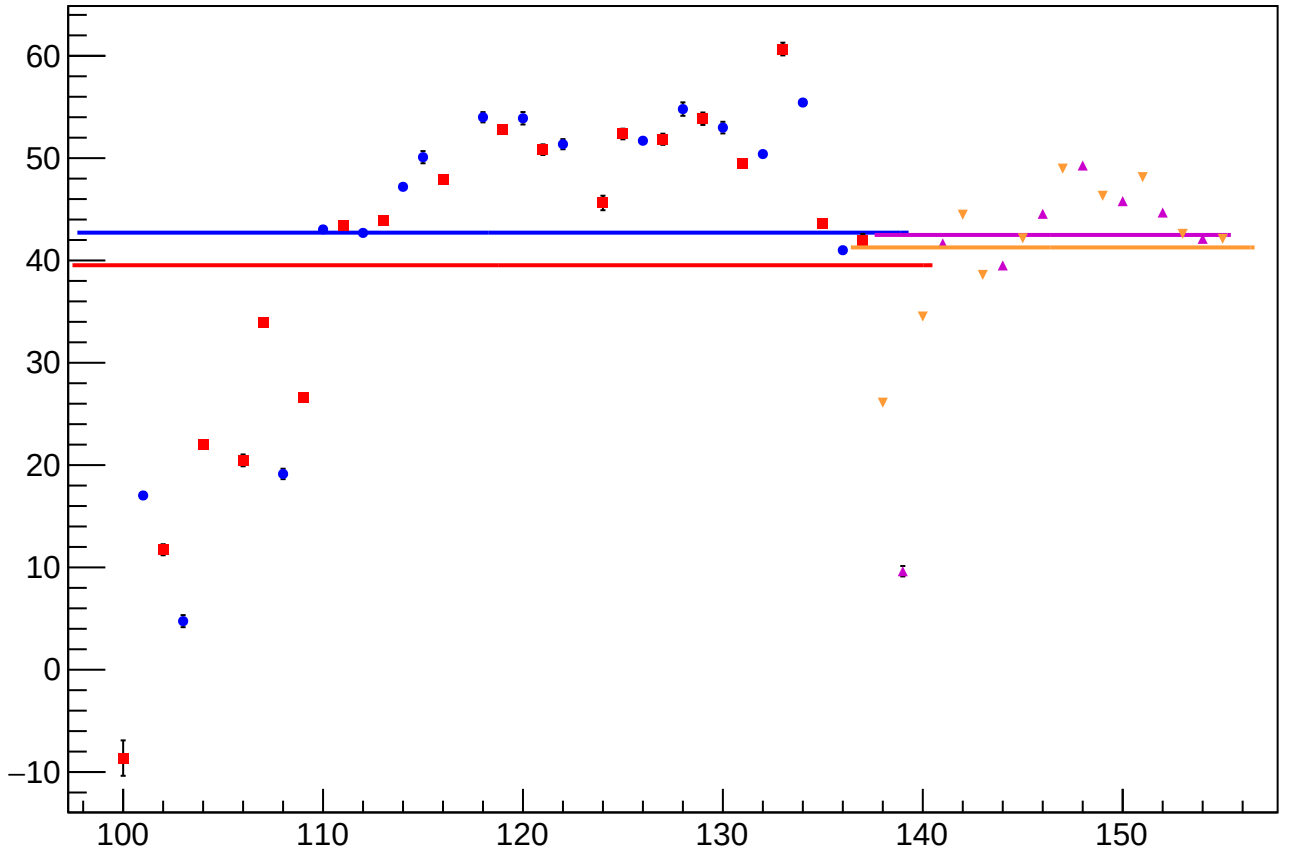
Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -40.589+/-0.053 χ^2/NDF:15481.5/23

Out: -39.434+/-0.049 χ^2/NDF:17479.2/28

All: -39.958+/-0.036 χ^2/NDF: 33218.1/52


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: -32.841+/-0.094 χ²/NDF:6063.9/9
Right Out: -35.714+/-0.064 χ²/NDF: 13274.5/18
Left In: -36.983+/-0.105 χ²/NDF:2567.1/7
Left: -34.683+/-0.070 χ²/NDF: 9488.0/17
Right: -36.564+/-0.048 χ²/NDF: 24532.6/34
In: -37.452+/-0.060 χ²/NDF:13450.5/23
Out: -34.802+/-0.053 χ²/NDF:19971.3/28
All: -35.958+/-0.040 χ²/NDF: 34505.7/52



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.274+/-0.080 χ^2/NDF:5977.2/9

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 42.494+/-0.090 χ^2/NDF:5440.1/7

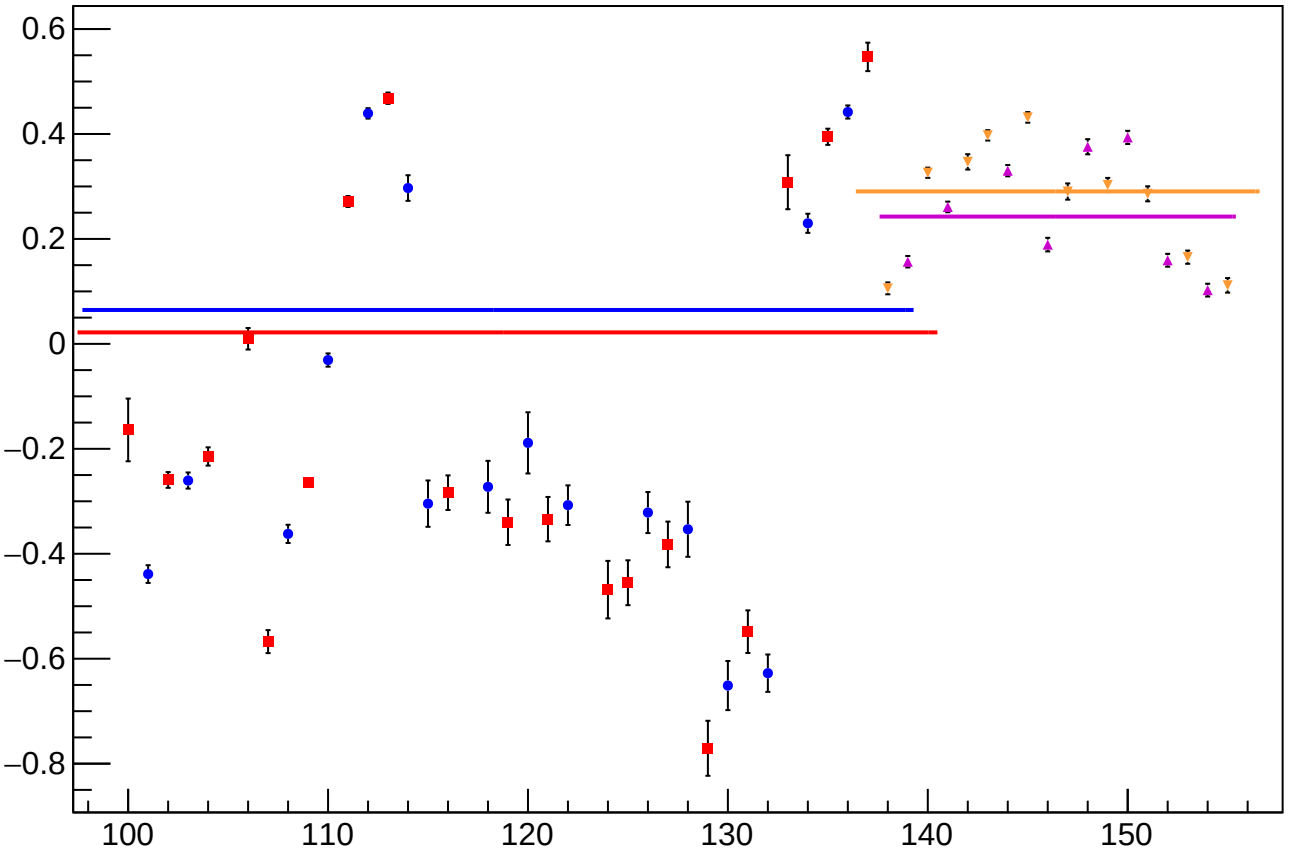
Left: 41.817+/-0.060 χ^2/NDF: 11520.1/17

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.612+/-0.062 χ^2/NDF:20208.3/23

Out: 40.380+/-0.056 χ^2/NDF:24196.7/28

All: 41.388+/-0.041 χ^2/NDF: 45122.1/52



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.291+/-0.004 χ^2/NDF:868.0/9

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.243+/-0.004 χ^2/NDF:554.6/7

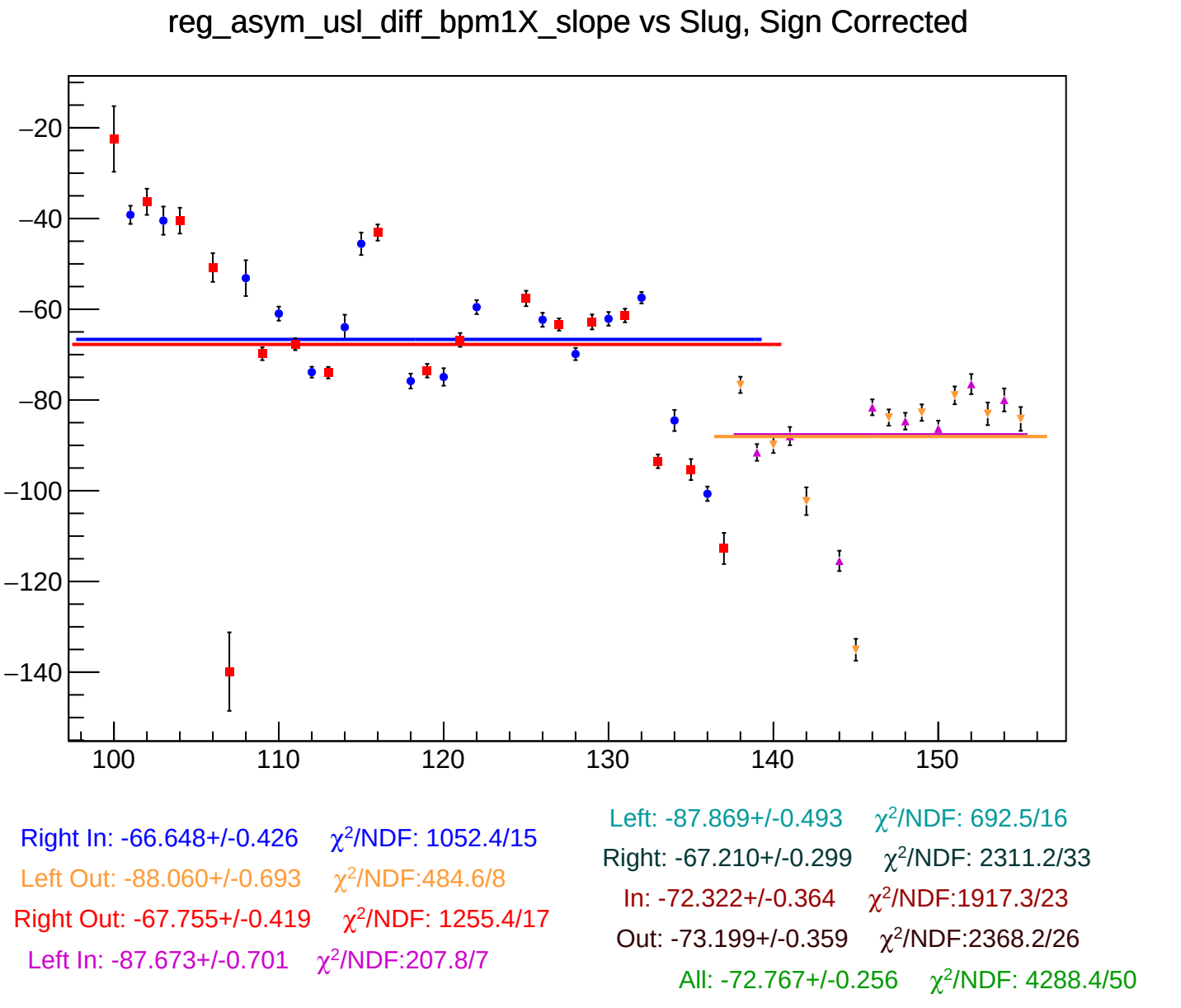
Left: 0.269+/-0.003 χ^2/NDF: 1494.3/17

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

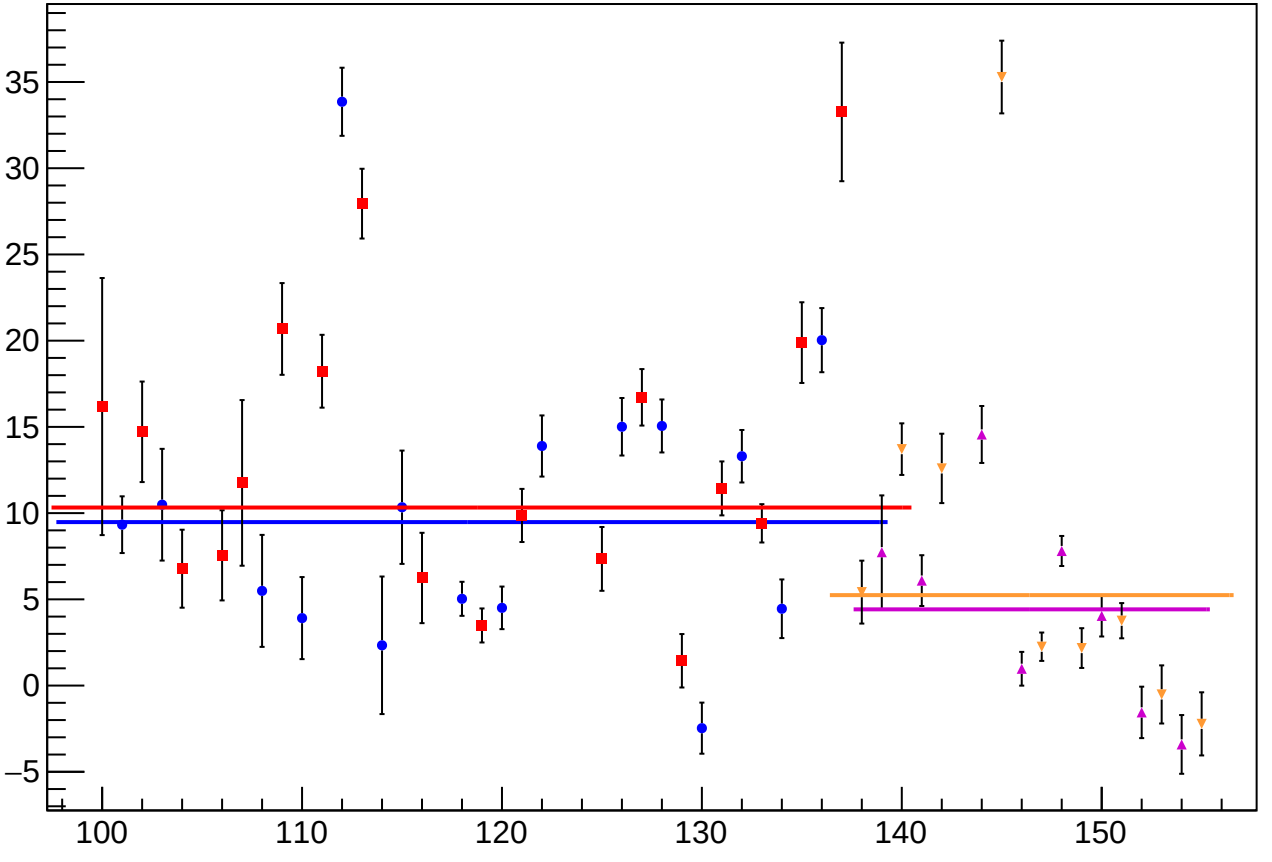
In: 0.167+/-0.003 χ^2/NDF:6826.5/23

Out: 0.175+/-0.003 χ^2/NDF:9410.2/28

All: 0.171+/-0.002 χ^2/NDF: 16240.4/52


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: -88.060+/-0.693 χ²/NDF:484.6/8
Right Out: -67.755+/-0.419 χ²/NDF: 1255.4/17
Left In: -87.673+/-0.701 χ²/NDF:207.8/7
Left: -87.869+/-0.493 χ²/NDF: 692.5/16
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -72.322+/-0.364 χ²/NDF:1917.3/23
Out: -73.199+/-0.359 χ²/NDF:2368.2/26
All: -72.767+/-0.256 χ²/NDF: 4288.4/50

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 5.245+/-0.445 χ^2/NDF:299.2/8

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 4.419+/-0.458 χ^2/NDF:104.8/7

Left: 4.844+/-0.319 χ^2/NDF: 405.6/16

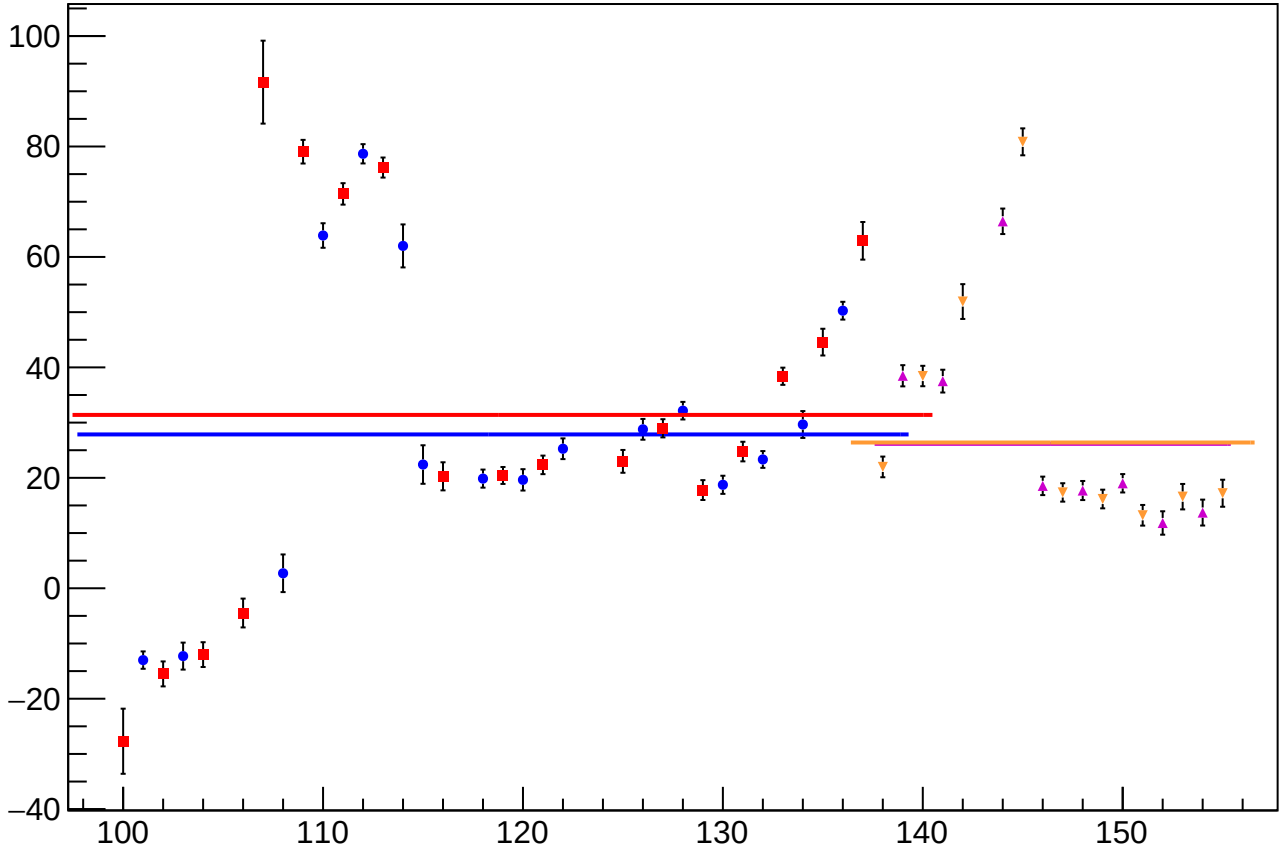
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 7.118+/-0.313 χ^2/NDF:511.9/23

Out: 7.837+/-0.311 χ^2/NDF:629.2/26

All: 7.479+/-0.221 χ^2/NDF: 1143.8/50

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 26.397+/-0.675 χ^2/NDF:759.3/8

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 26.153+/-0.682 χ^2/NDF:513.1/7

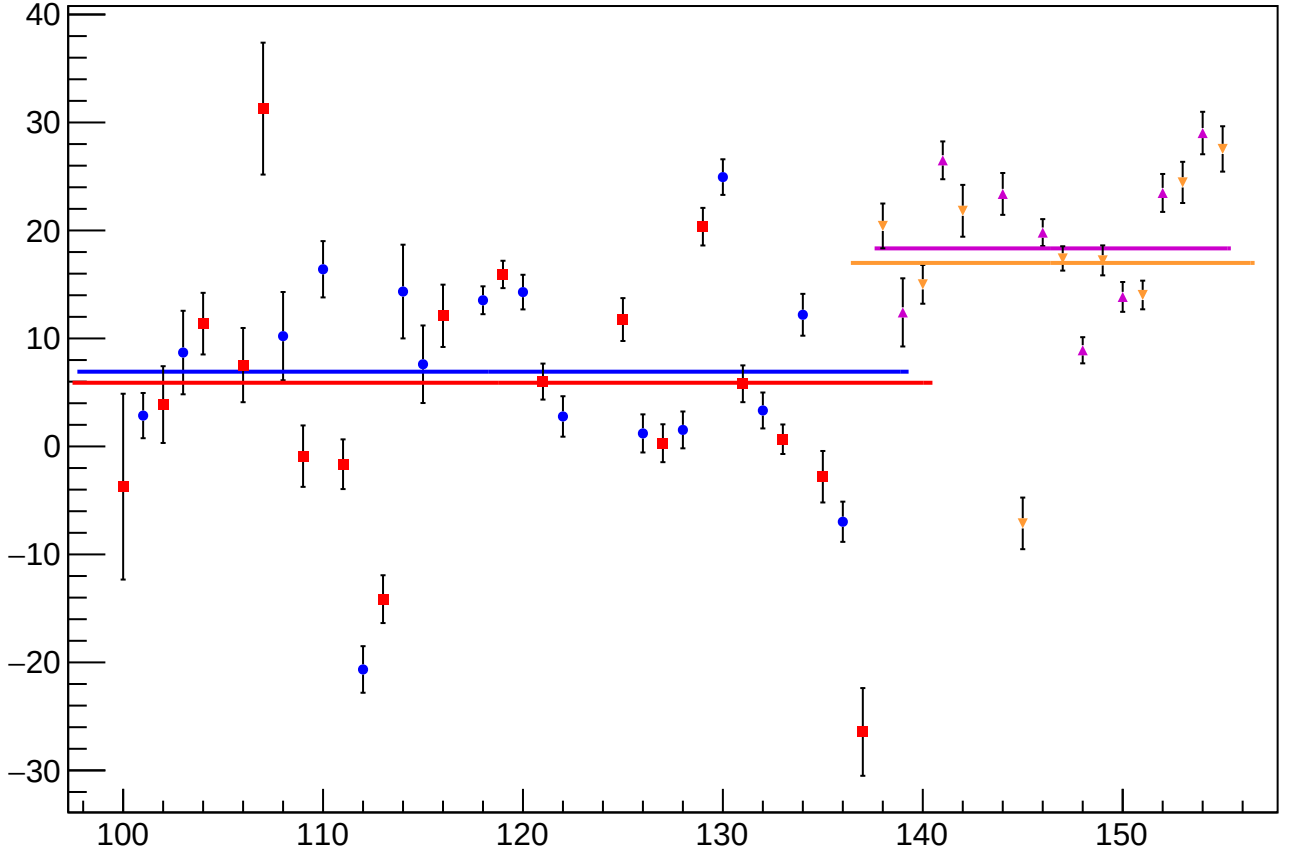
Left: 26.276+/-0.480 χ^2/NDF: 1272.4/16

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 27.290+/-0.394 χ^2/NDF:2991.2/23

Out: 29.680+/-0.395 χ^2/NDF:3806.7/26

All: 28.481+/-0.279 χ^2/NDF: 6816.3/50



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 16.994+/-0.553 χ^2/NDF:155.5/8

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 18.339+/-0.566 χ^2/NDF:142.6/7

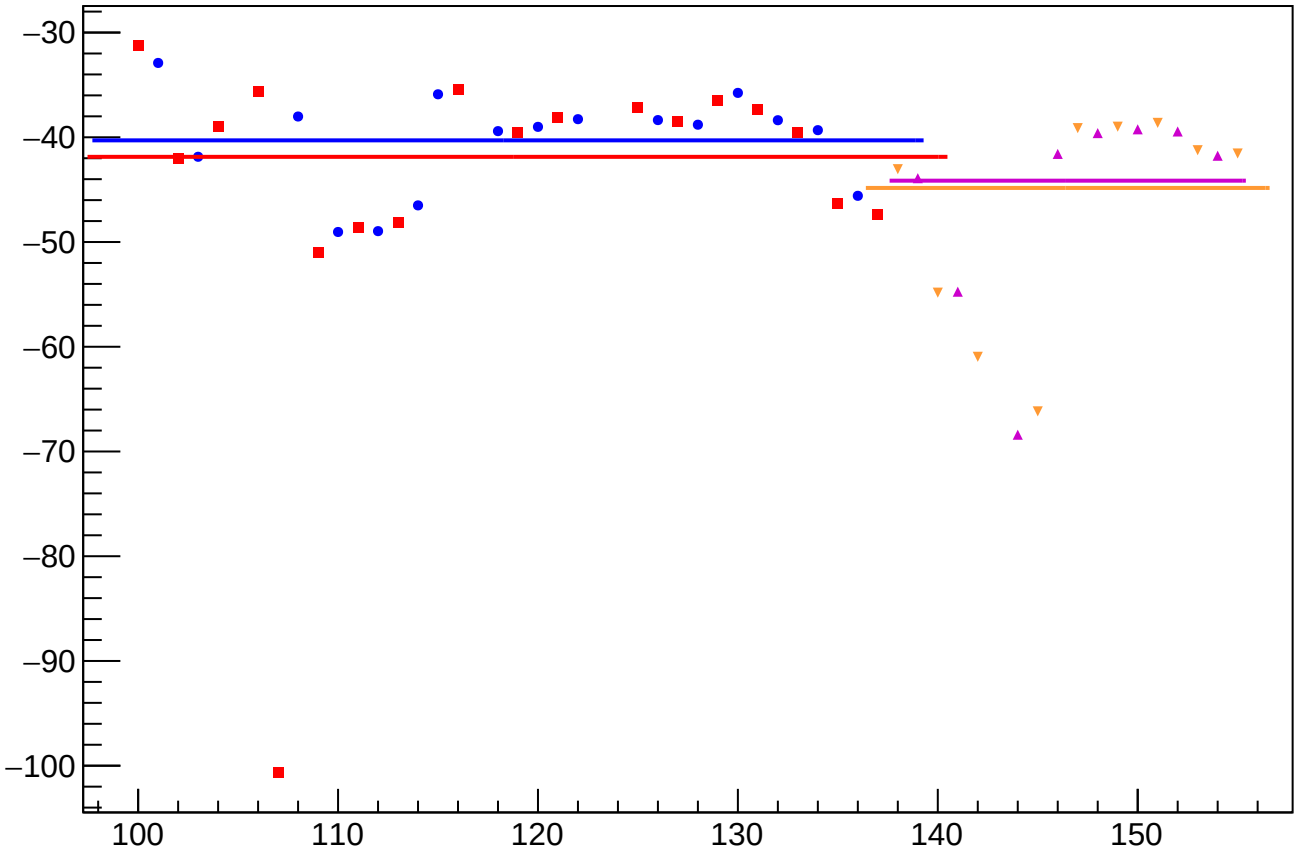
Left: 17.651+/-0.396 χ^2/NDF: 301.0/16

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 11.877+/-0.373 χ^2/NDF:817.3/23

Out: 10.905+/-0.372 χ^2/NDF:744.0/26

All: 11.389+/-0.263 χ^2/NDF: 1564.7/50



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -44.837+/-0.027 χ^2/NDF:103490.8/8

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -44.143+/-0.027 χ^2/NDF:85876.5/7

Left: -44.486+/-0.019 χ^2/NDF: 189700.2/16

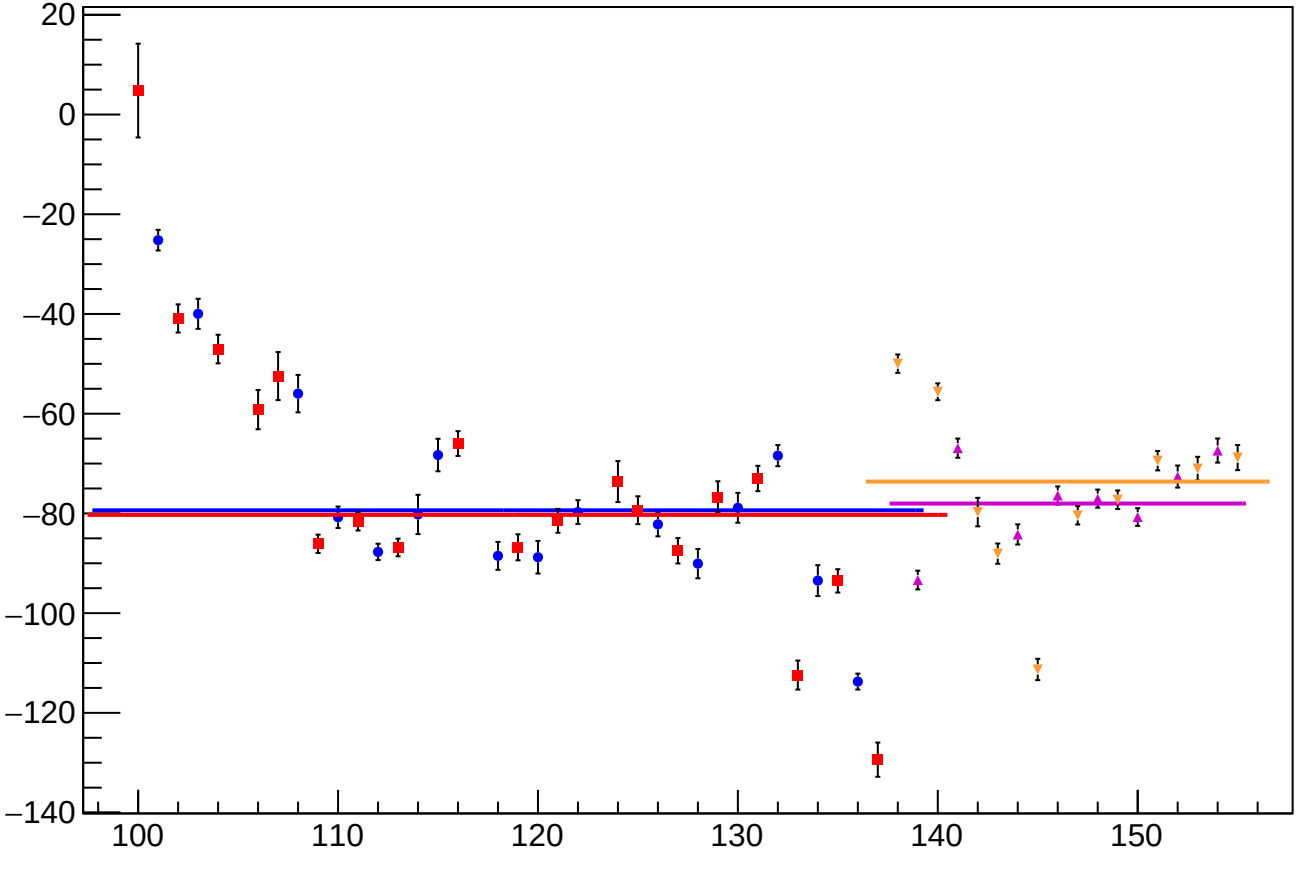
Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -42.523+/-0.020 χ^2/NDF:115246.5/23

Out: -43.605+/-0.021 χ^2/NDF:167232.6/26

All: -43.056+/-0.015 χ^2/NDF: 283869.6/50

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -73.614+/-0.644 χ^2/NDF:669.6/9

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -78.020+/-0.690 χ^2/NDF:138.1/7

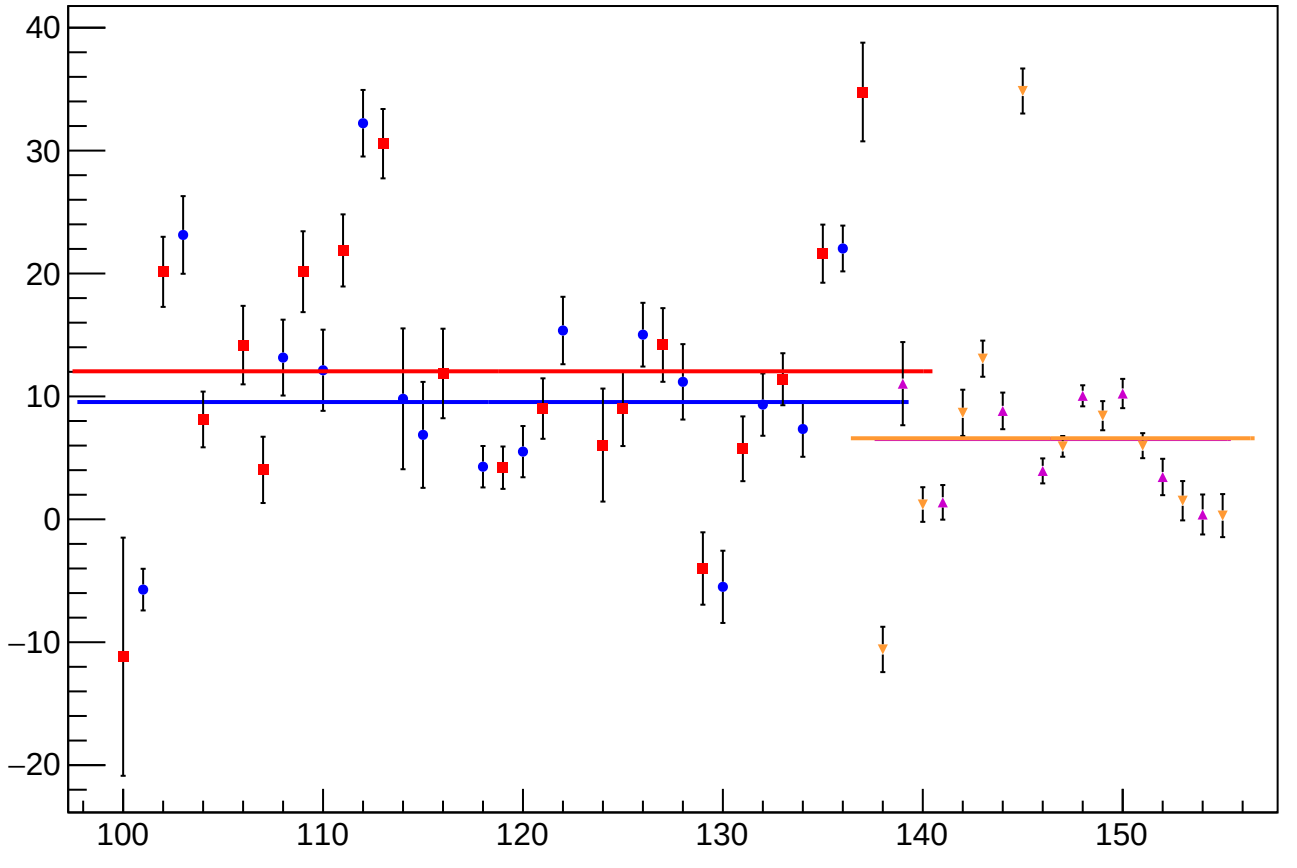
Left: -75.664+/-0.471 χ^2/NDF: 829.5/17

Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

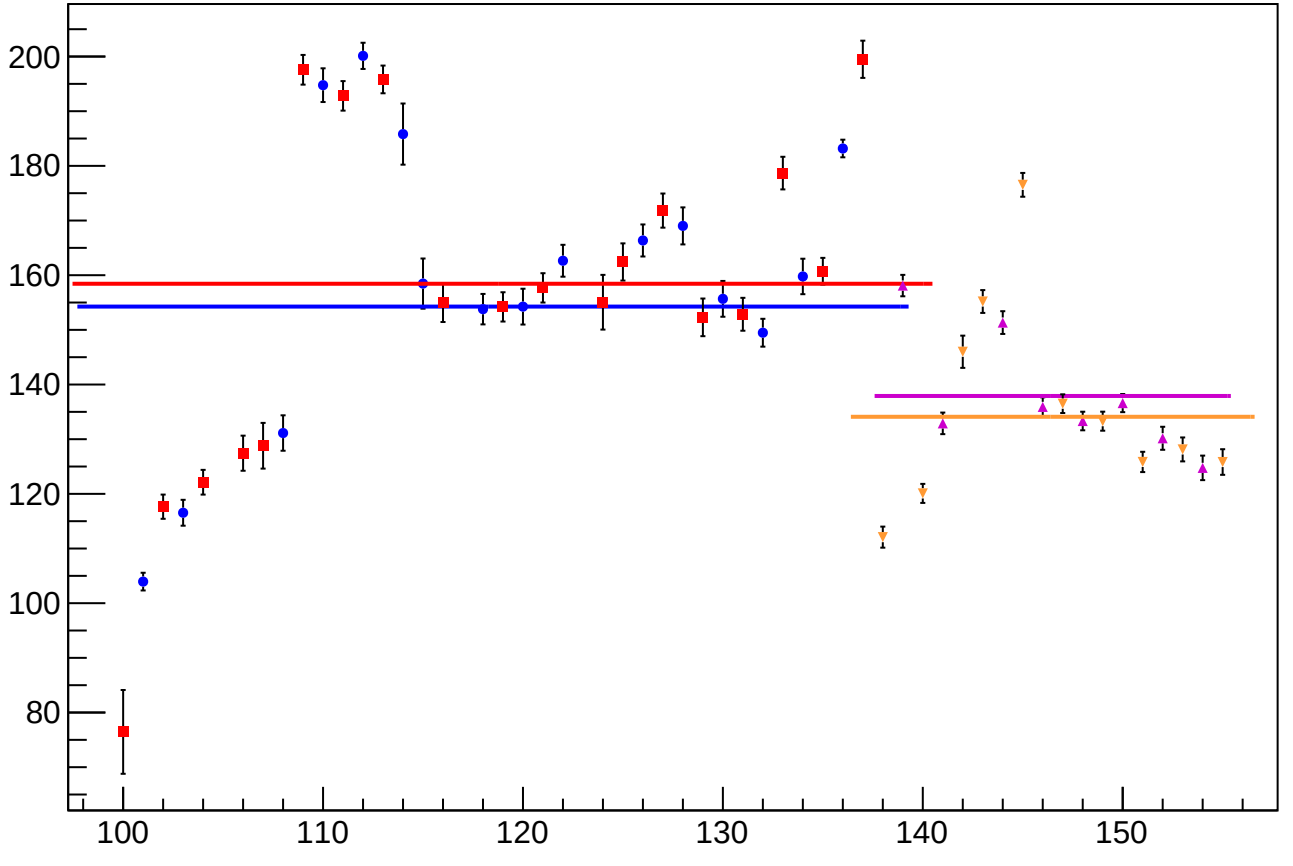
In: -78.784+/-0.458 χ^2/NDF:1616.2/23

Out: -77.168+/-0.441 χ^2/NDF:1641.5/28

All: -77.945+/-0.317 χ^2/NDF: 3264.1/52


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 6.595+/-0.421 χ²/NDF:386.2/9
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 6.532+/-0.451 χ²/NDF:69.2/7
Left: 6.566+/-0.308 χ²/NDF: 455.4/17
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 7.571+/-0.365 χ²/NDF:351.6/23
Out: 8.252+/-0.351 χ²/NDF:633.0/28
All: 7.925+/-0.253 χ²/NDF: 986.4/52

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 134.100+/-0.631 χ^2/NDF:735.4/9

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 137.907+/-0.672 χ^2/NDF:211.5/7

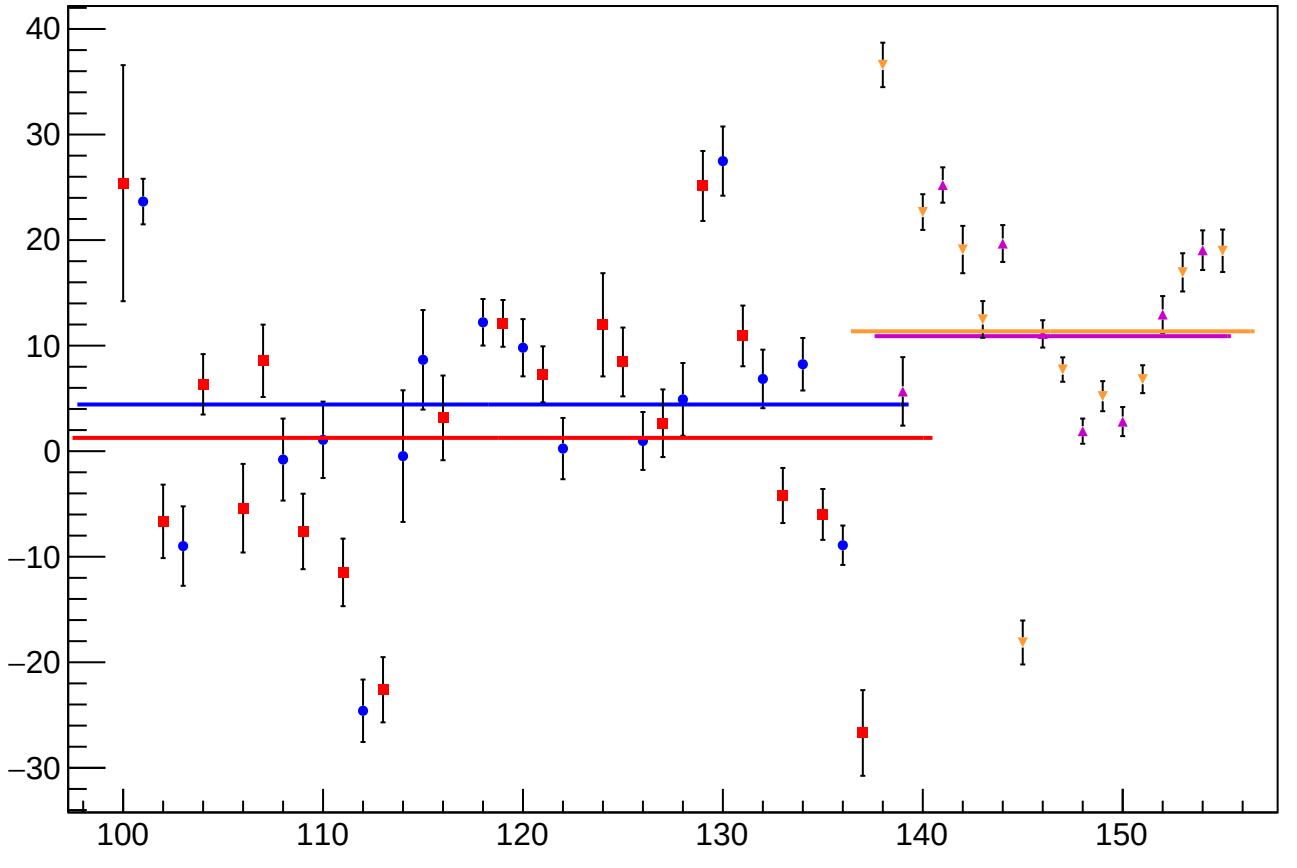
Left: 135.884+/-0.460 χ^2/NDF: 963.9/17

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 146.212+/-0.472 χ^2/NDF:2725.7/23

Out: 145.321+/-0.464 χ^2/NDF:3084.6/28

All: 145.759+/-0.331 χ^2/NDF: 5812.1/52



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 11.358+/-0.520 χ^2/NDF:465.0/9

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 10.898+/-0.557 χ^2/NDF:212.8/7

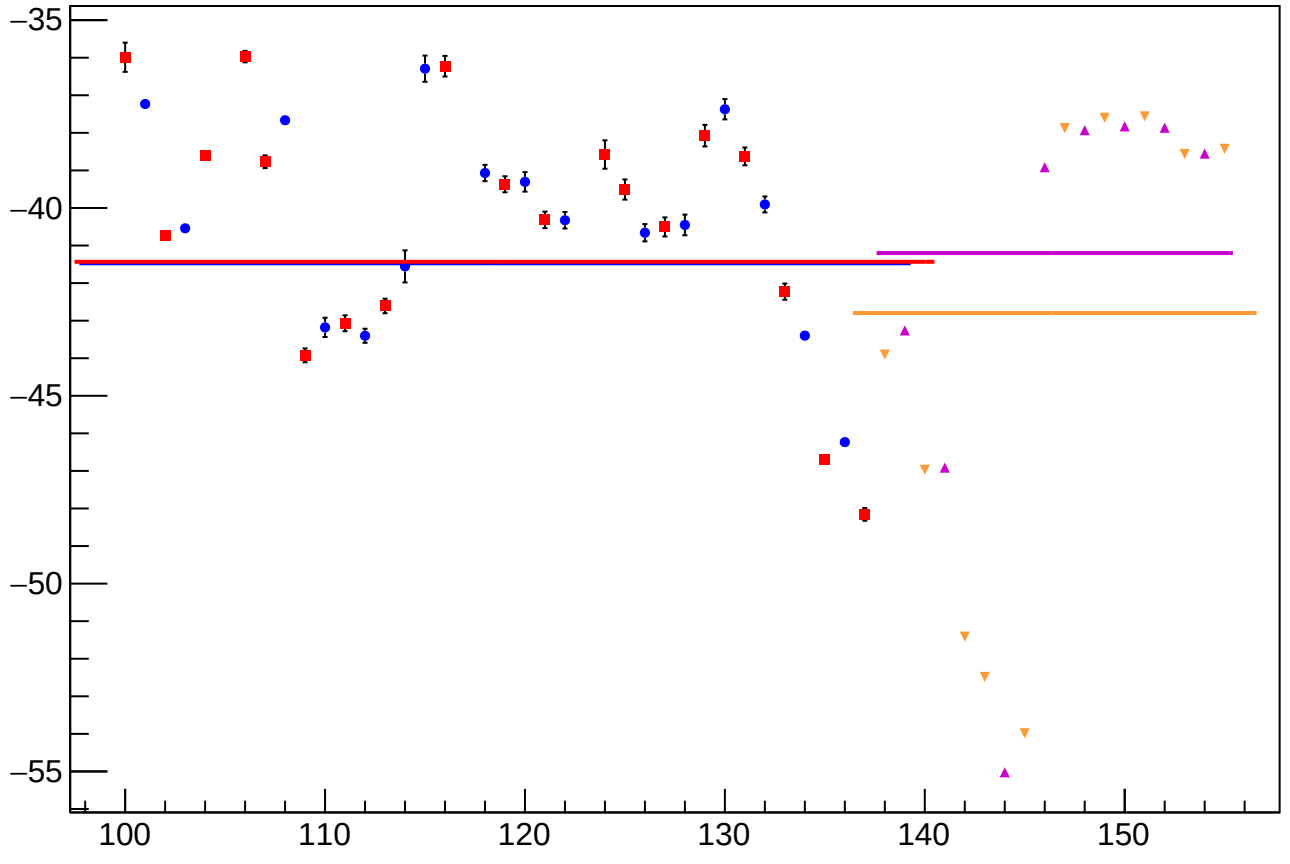
Left: 11.144+/-0.380 χ^2/NDF: 678.2/17

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 8.446+/-0.439 χ^2/NDF:579.9/23

Out: 7.969+/-0.424 χ^2/NDF:856.4/28

All: 8.199+/-0.305 χ^2/NDF: 1437.0/52



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -42.796+/-0.025 χ^2/NDF:58135.7/9

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -41.200+/-0.026 χ^2/NDF:36762.4/7

Left: -42.031+/-0.018 χ^2/NDF: 96797.5/17

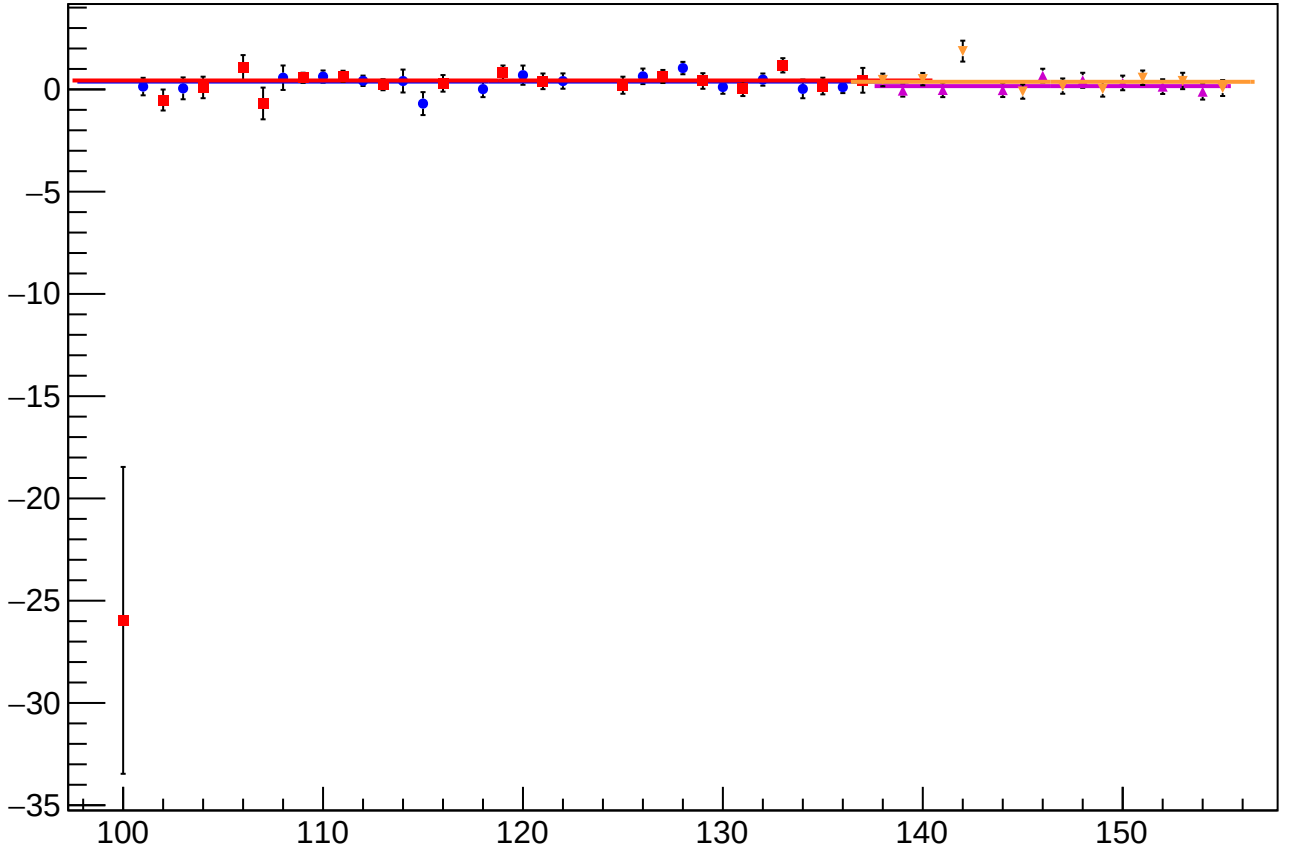
Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -41.289+/-0.022 χ^2/NDF:44708.7/23

Out: -42.399+/-0.021 χ^2/NDF:67204.3/28

All: -41.853+/-0.015 χ^2/NDF: 113243.0/52

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.372+/-0.121 χ^2/NDF:12.9/8

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.160+/-0.123 χ^2/NDF:4.6/7

Left: 0.268+/-0.086 χ^2/NDF: 19.0/16

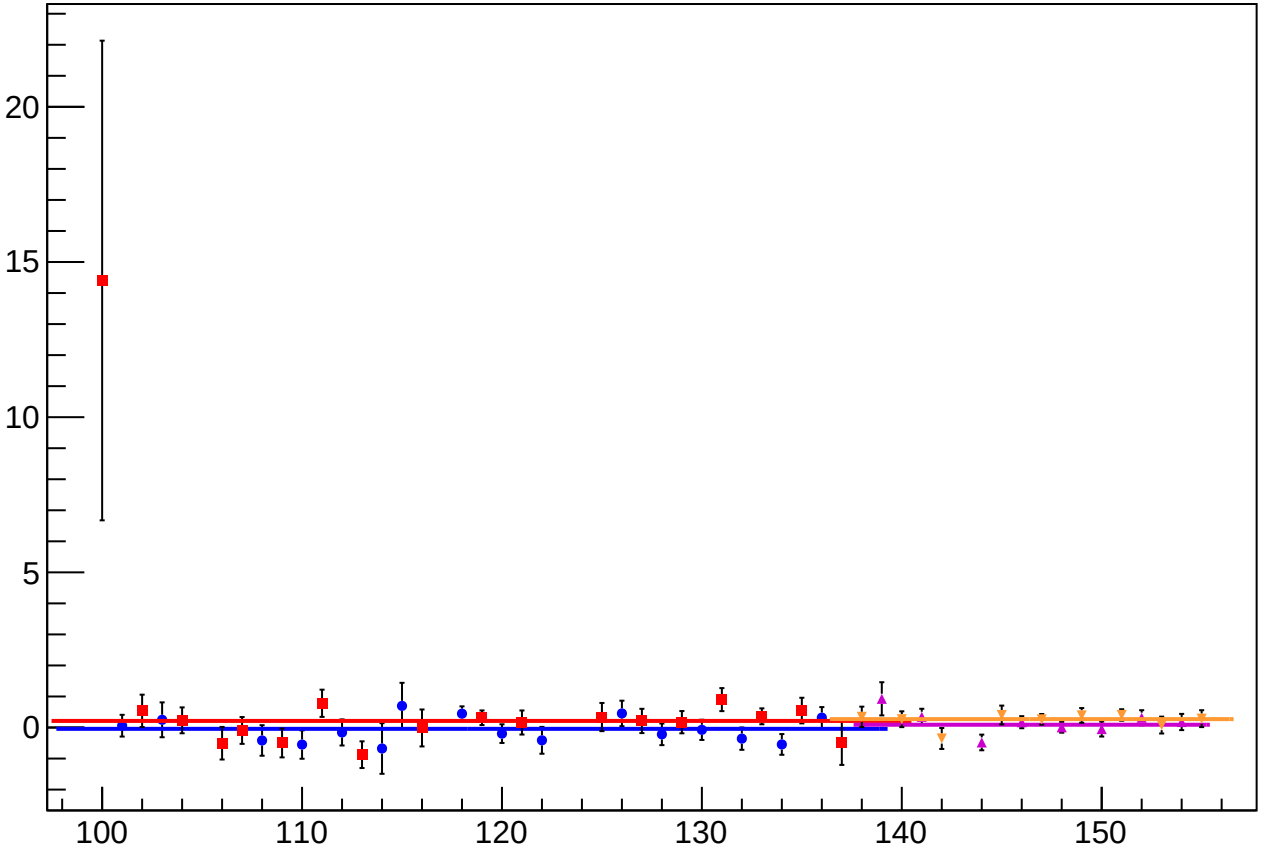
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.302+/-0.074 χ^2/NDF:20.7/23

Out: 0.413+/-0.072 χ^2/NDF:42.0/26

All: 0.359+/-0.052 χ^2/NDF: 63.9/50

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.271+/-0.081 χ^2/NDF:5.0/8

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.090+/-0.084 χ^2/NDF:10.3/7

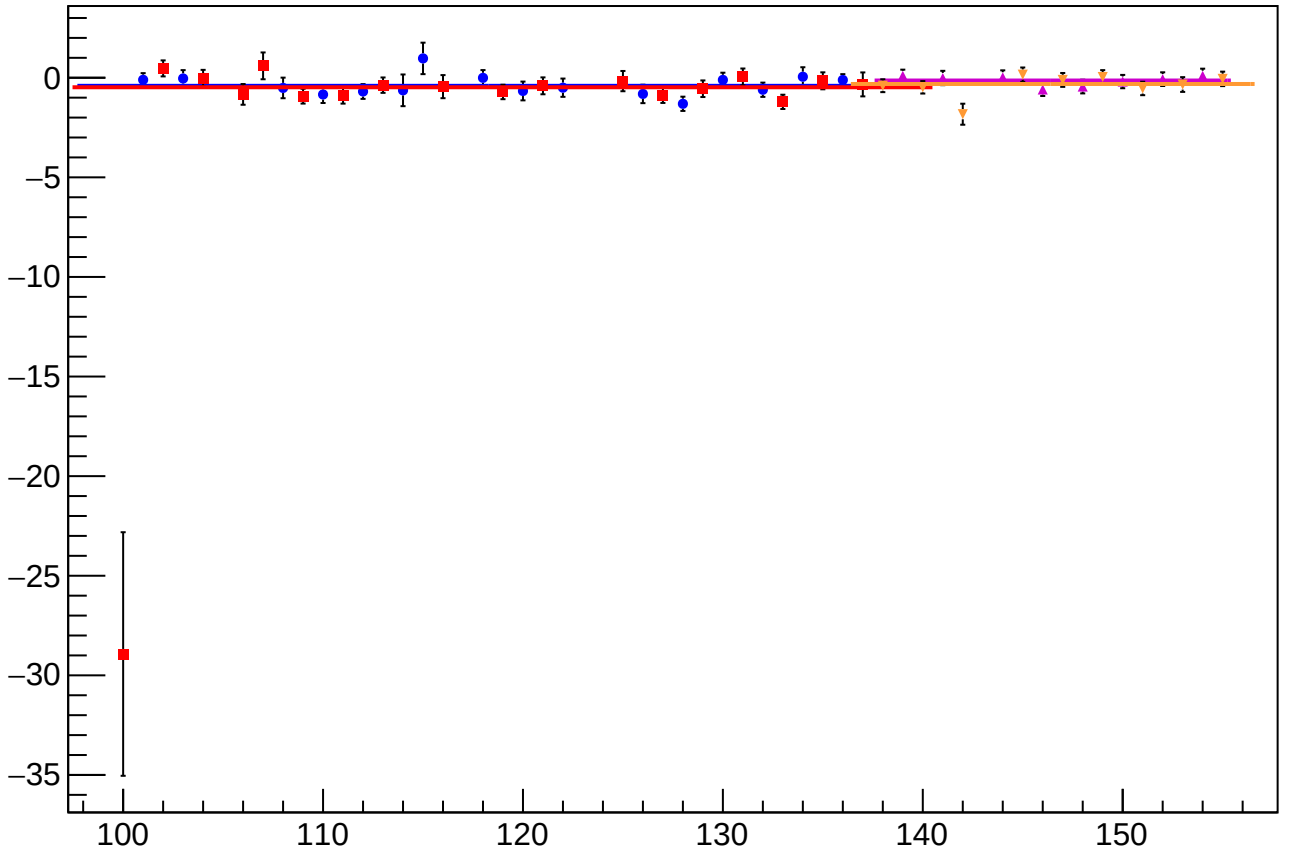
Left: 0.183+/-0.058 χ^2/NDF: 17.6/16

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.031+/-0.063 χ^2/NDF:26.4/23

Out: 0.246+/-0.062 χ^2/NDF:27.6/26

All: 0.140+/-0.044 χ^2/NDF: 59.9/50



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.313+/-0.118 χ^2/NDF:12.6/8

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.139+/-0.120 χ^2/NDF:4.1/7

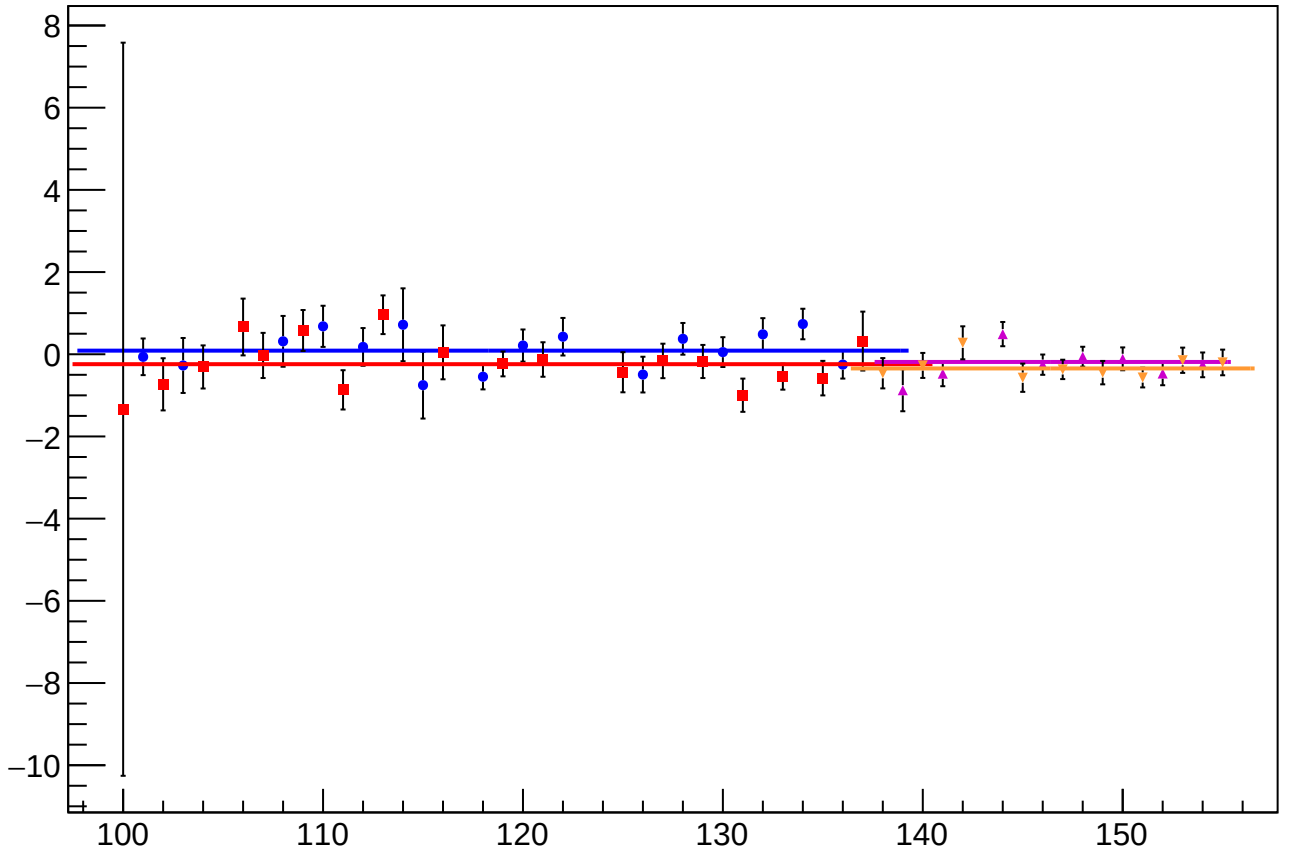
Left: -0.228+/-0.084 χ^2/NDF: 17.8/16

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.293+/-0.078 χ^2/NDF:24.7/23

Out: -0.406+/-0.078 χ^2/NDF:56.0/26

All: -0.349+/-0.055 χ^2/NDF: 81.7/50



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.345+/-0.099 χ^2/NDF:4.6/8

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.187+/-0.102 χ^2/NDF:9.4/7

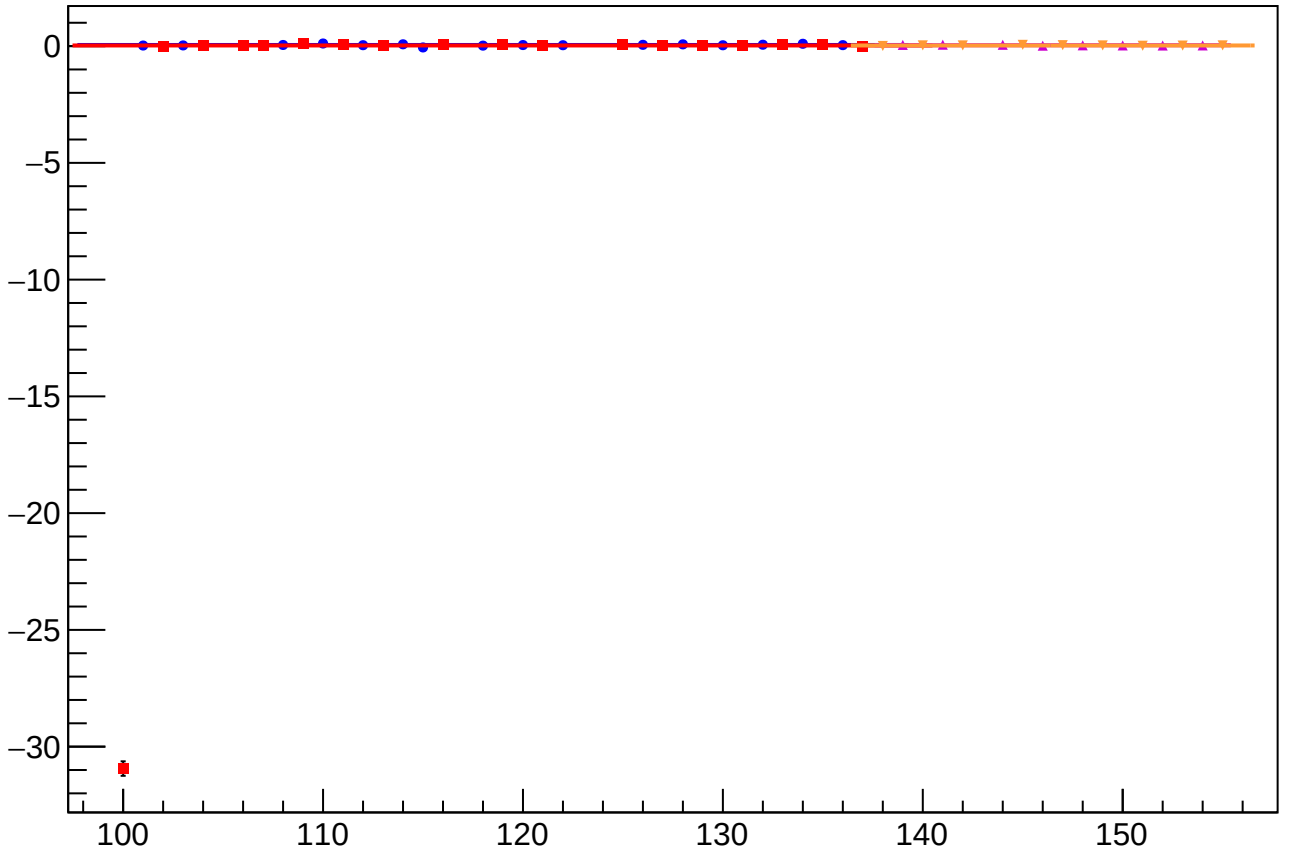
Left: -0.269+/-0.071 χ^2/NDF: 15.2/16

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.058+/-0.074 χ^2/NDF:28.7/23

Out: -0.298+/-0.074 χ^2/NDF:24.7/26

All: -0.179+/-0.052 χ^2/NDF: 58.7/50



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.005 χ^2/NDF:7.9/8

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.038+/-0.005 χ^2/NDF:9.4/7

Left: 0.033+/-0.003 χ^2/NDF: 19.8/16

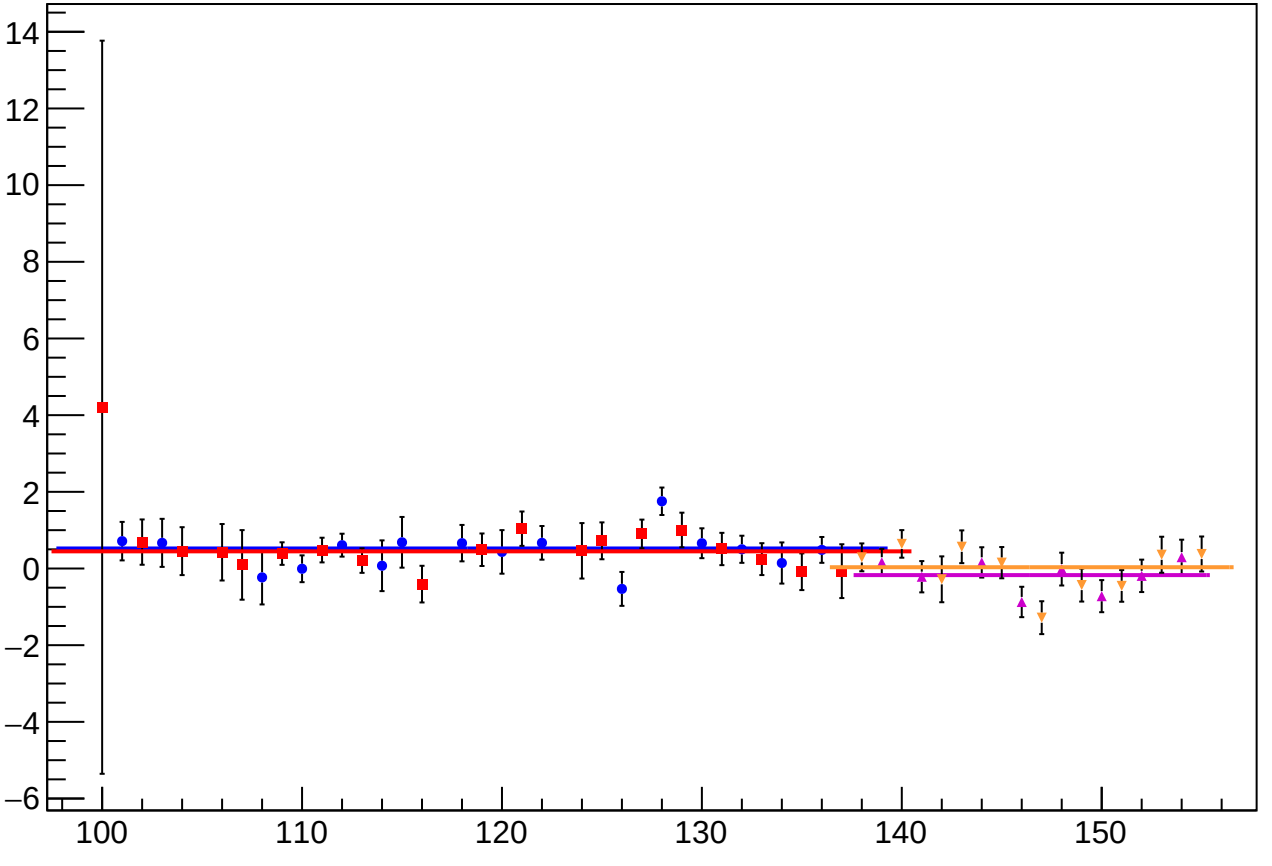
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.042+/-0.004 χ^2/NDF:30.4/23

Out: 0.028+/-0.004 χ^2/NDF:10028.8/26

All: 0.035+/-0.003 χ^2/NDF: 10066.3/50

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.034+/-0.134 χ^2/NDF:18.3/9

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.172+/-0.144 χ^2/NDF:7.7/7

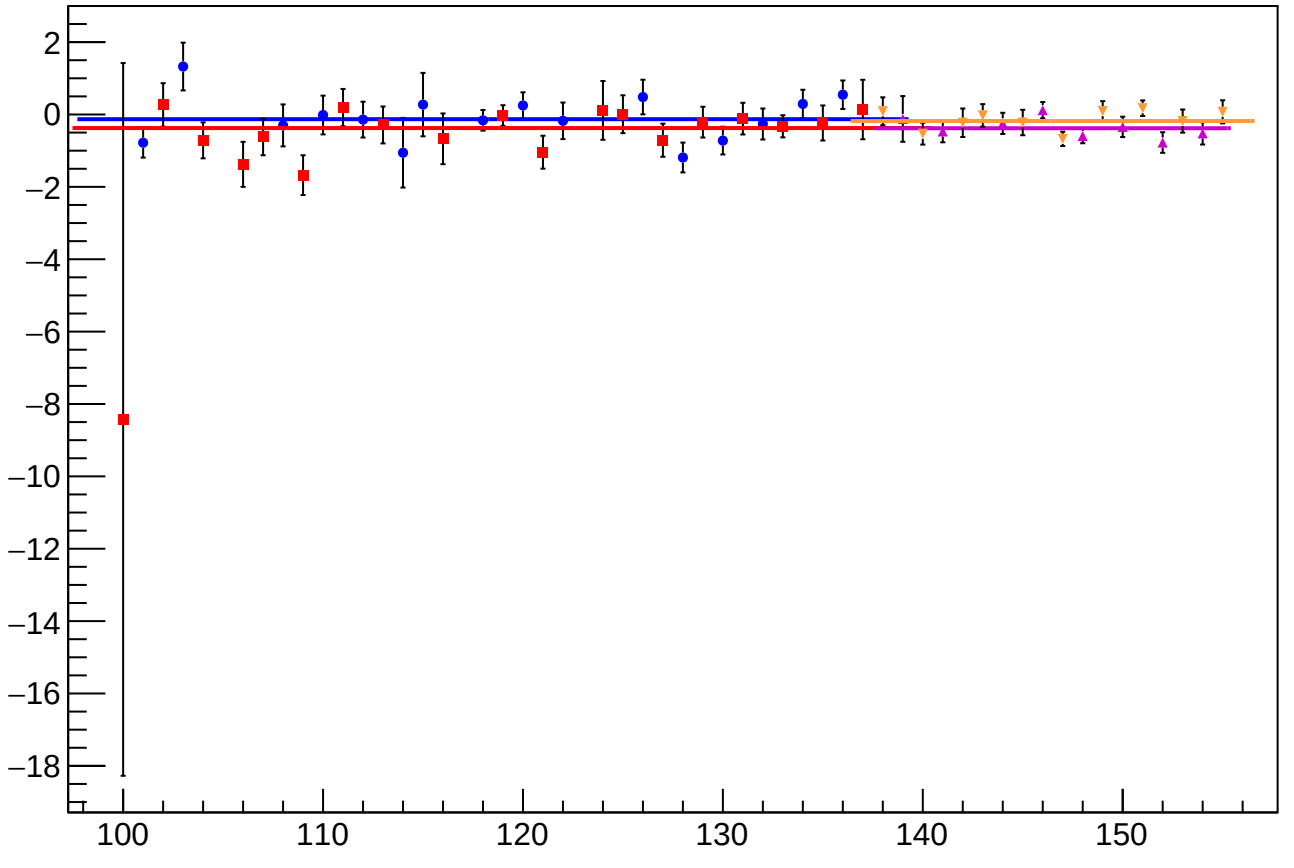
Left: -0.062+/-0.098 χ^2/NDF: 27.1/17

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.270+/-0.087 χ^2/NDF:45.2/23

Out: 0.290+/-0.083 χ^2/NDF:35.6/28

All: 0.280+/-0.060 χ^2/NDF: 80.8/52



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.180+/-0.090 χ^2/NDF:12.7/9

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.380+/-0.098 χ^2/NDF:8.7/7

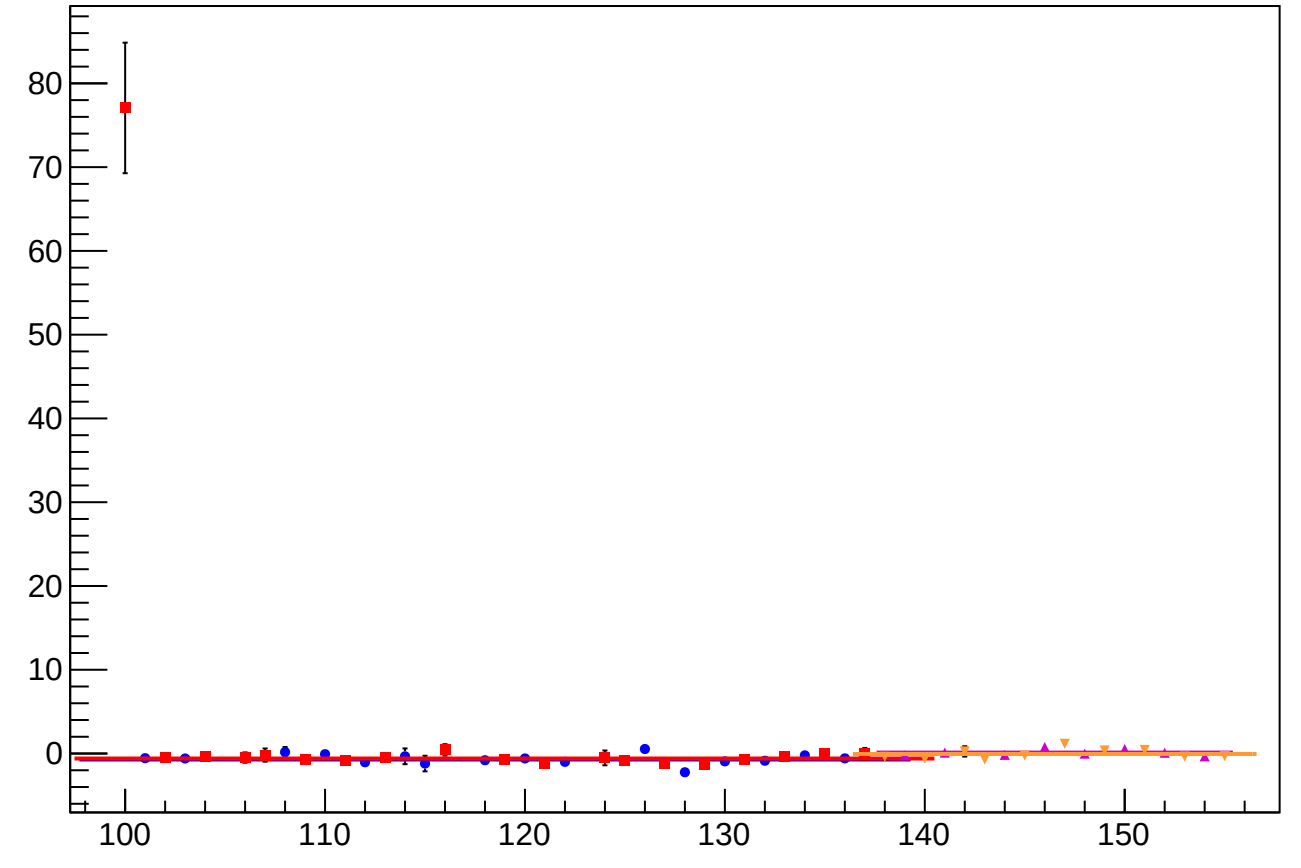
Left: -0.273+/-0.066 χ^2/NDF: 23.6/17

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.272+/-0.073 χ^2/NDF:36.1/23

Out: -0.258+/-0.070 χ^2/NDF:32.7/28

All: -0.264+/-0.051 χ^2/NDF: 68.8/52



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.055+/-0.132 χ^2/NDF:18.5/9

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.112+/-0.140 χ^2/NDF:6.6/7

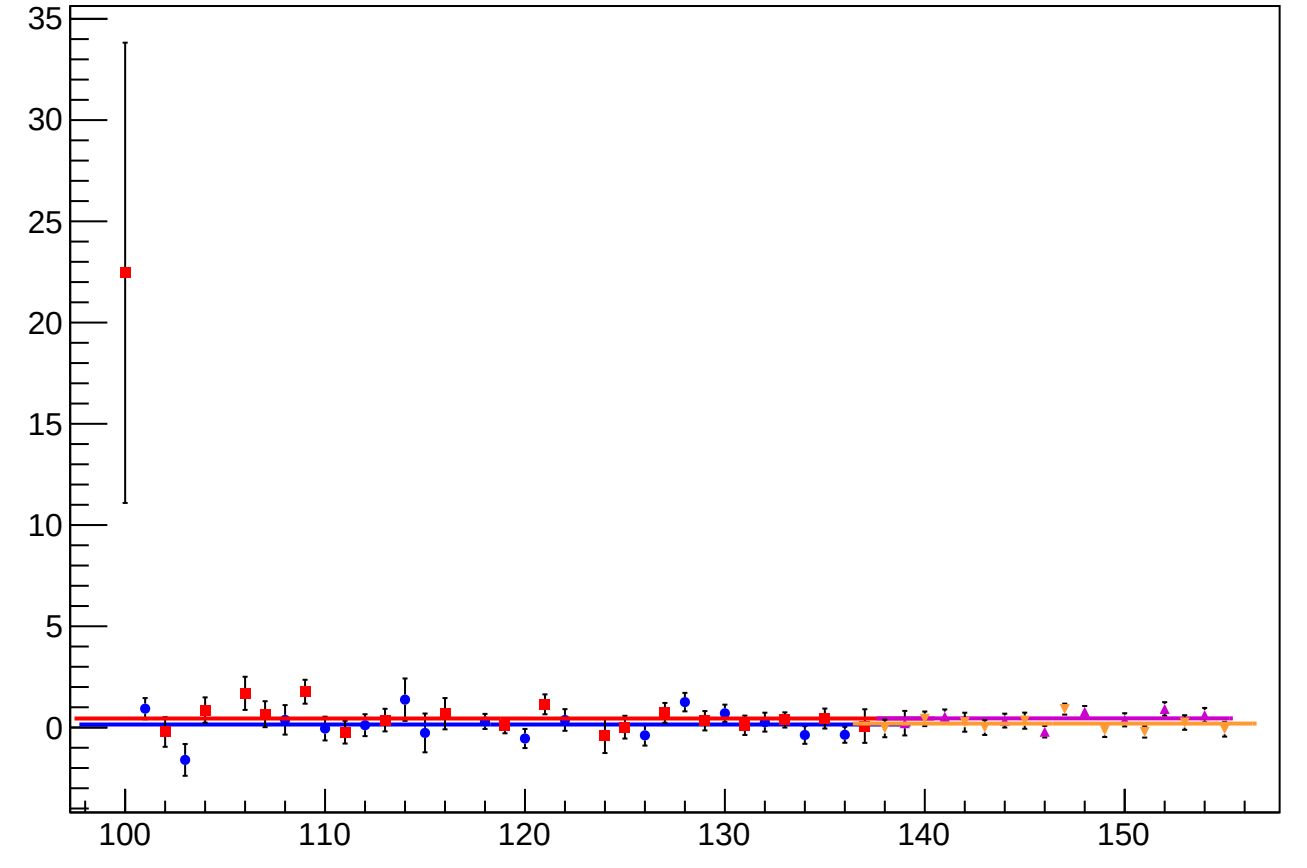
Left: 0.023+/-0.096 χ^2/NDF: 25.9/17

Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.359+/-0.092 χ^2/NDF:51.2/23

Out: -0.348+/-0.089 χ^2/NDF:138.6/28

All: -0.354+/-0.064 χ^2/NDF: 189.8/52



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.195+/-0.110 χ^2/NDF:11.9/9

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.451+/-0.119 χ^2/NDF:9.2/7

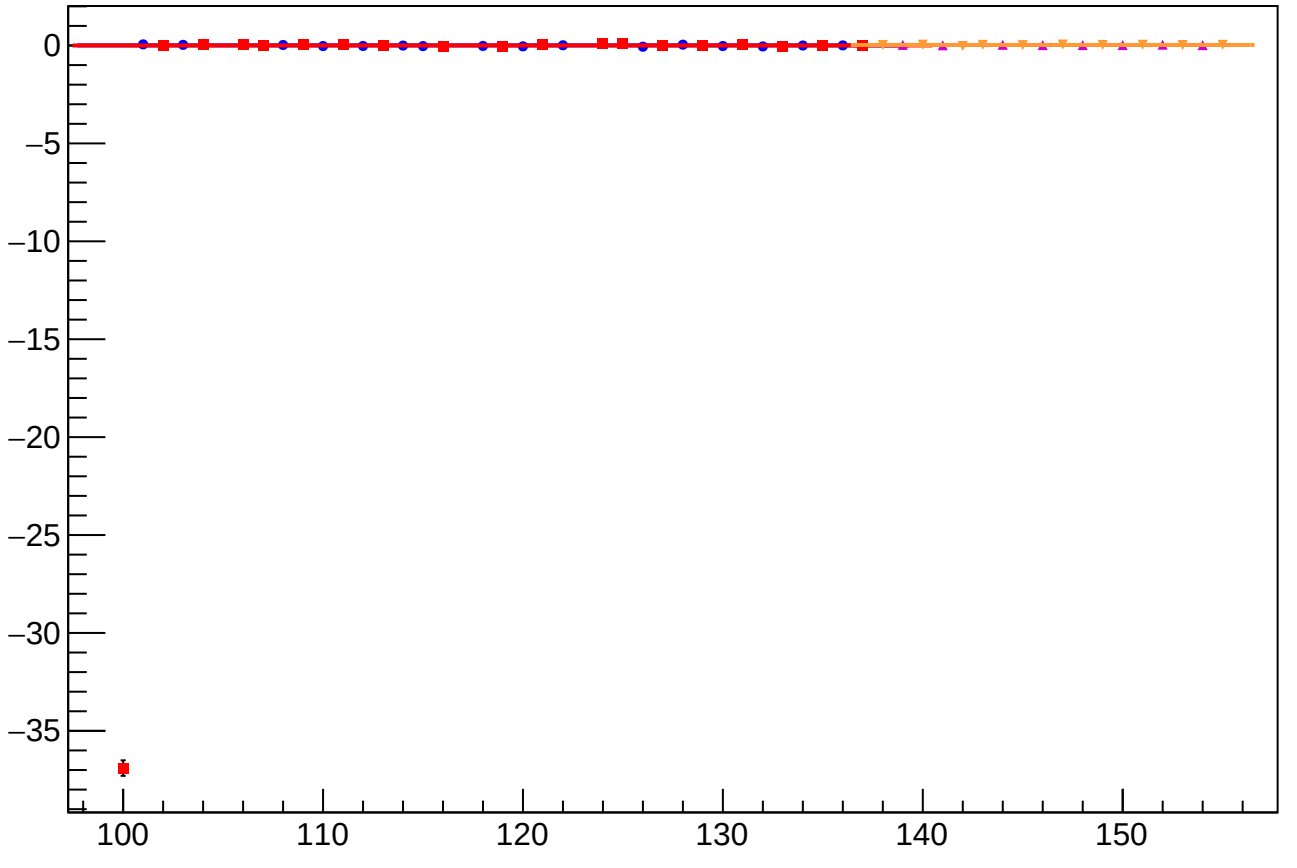
Left: 0.313+/-0.081 χ^2/NDF: 23.6/17

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.310+/-0.087 χ^2/NDF:35.4/23

Out: 0.302+/-0.084 χ^2/NDF:33.8/28

All: 0.306+/-0.060 χ^2/NDF: 69.3/52



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.027+/-0.005 χ^2/NDF:7.6/9

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.028+/-0.005 χ^2/NDF:3.2/7

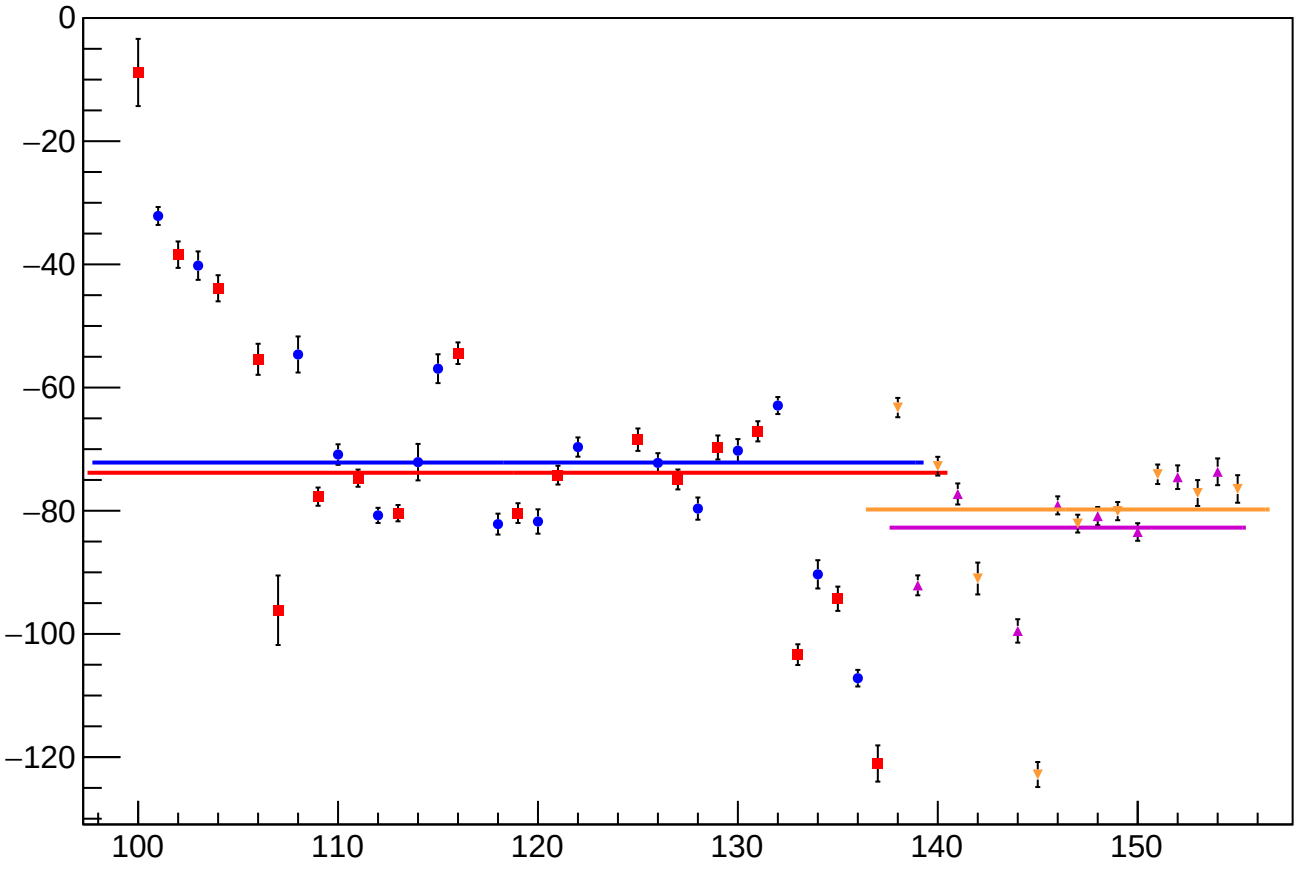
Left: 0.027+/-0.004 χ^2/NDF: 10.8/17

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.020+/-0.004 χ^2/NDF:26.3/23

Out: 0.019+/-0.004 χ^2/NDF:8768.6/28

All: 0.020+/-0.003 χ^2/NDF: 8794.9/52



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -79.795+/-0.578 χ^2/NDF:619.1/8

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -82.742+/-0.587 χ^2/NDF:165.1/7

Left: -81.245+/-0.412 χ^2/NDF: 796.9/16

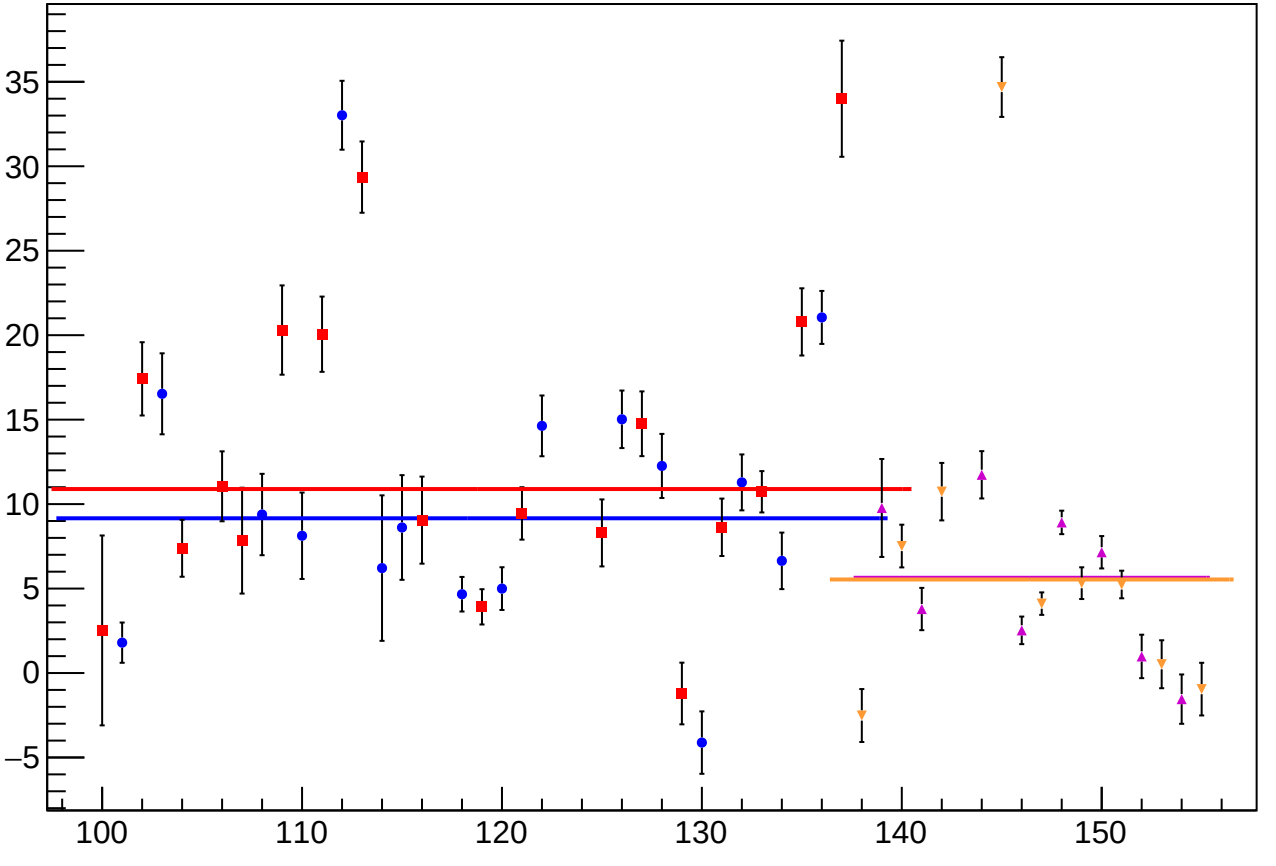
Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -75.883+/-0.348 χ^2/NDF:2311.2/23

Out: -75.958+/-0.345 χ^2/NDF:2245.2/26

All: -75.921+/-0.245 χ^2/NDF: 4556.4/50

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 5.538+/-0.365 χ^2/NDF:344.8/8

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 5.639+/-0.378 χ^2/NDF:99.8/7

Left: 5.587+/-0.263 χ^2/NDF: 444.6/16

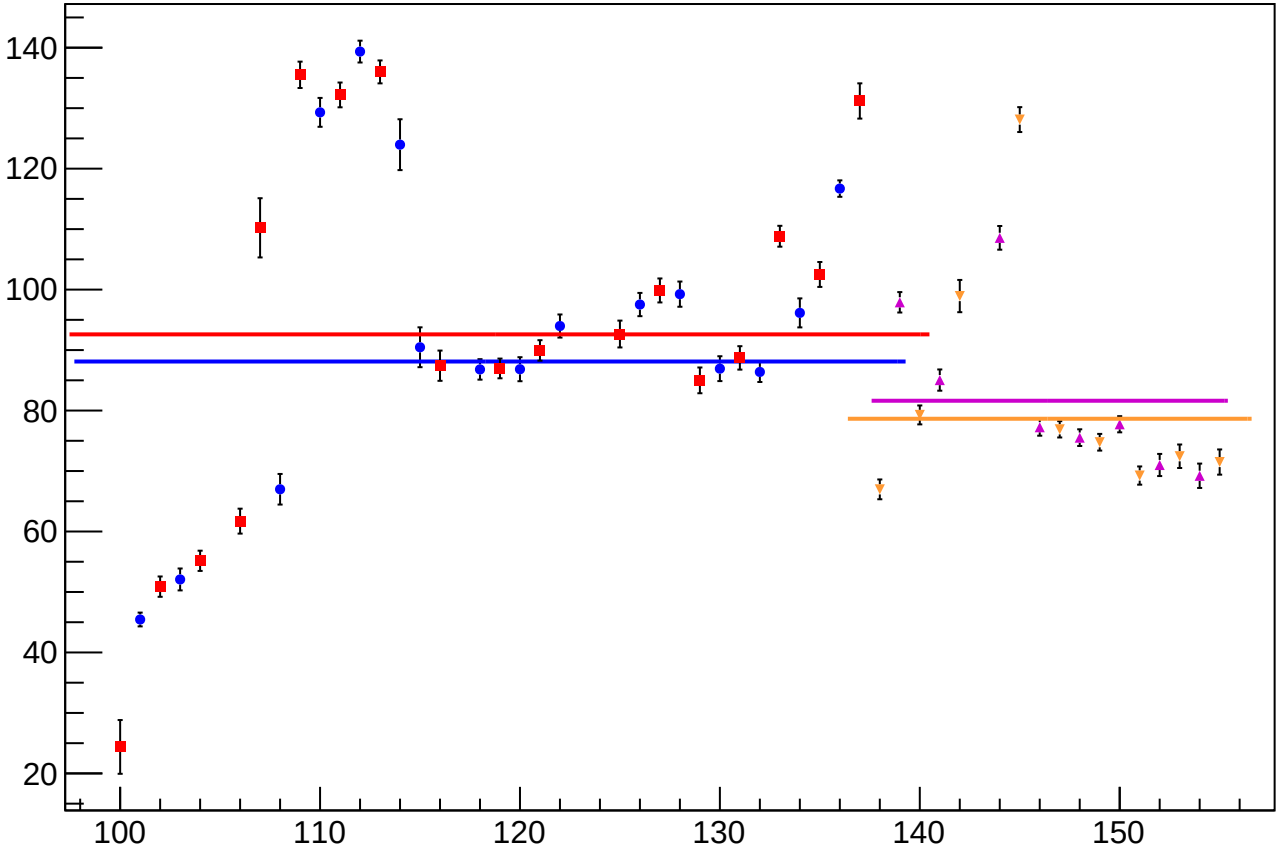
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 7.193+/-0.282 χ^2/NDF:490.2/23

Out: 7.721+/-0.281 χ^2/NDF:722.7/26

All: 7.458+/-0.199 χ^2/NDF: 1214.6/50

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 78.644+/-0.562 χ^2/NDF:756.9/8

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 81.622+/-0.570 χ^2/NDF:395.4/7

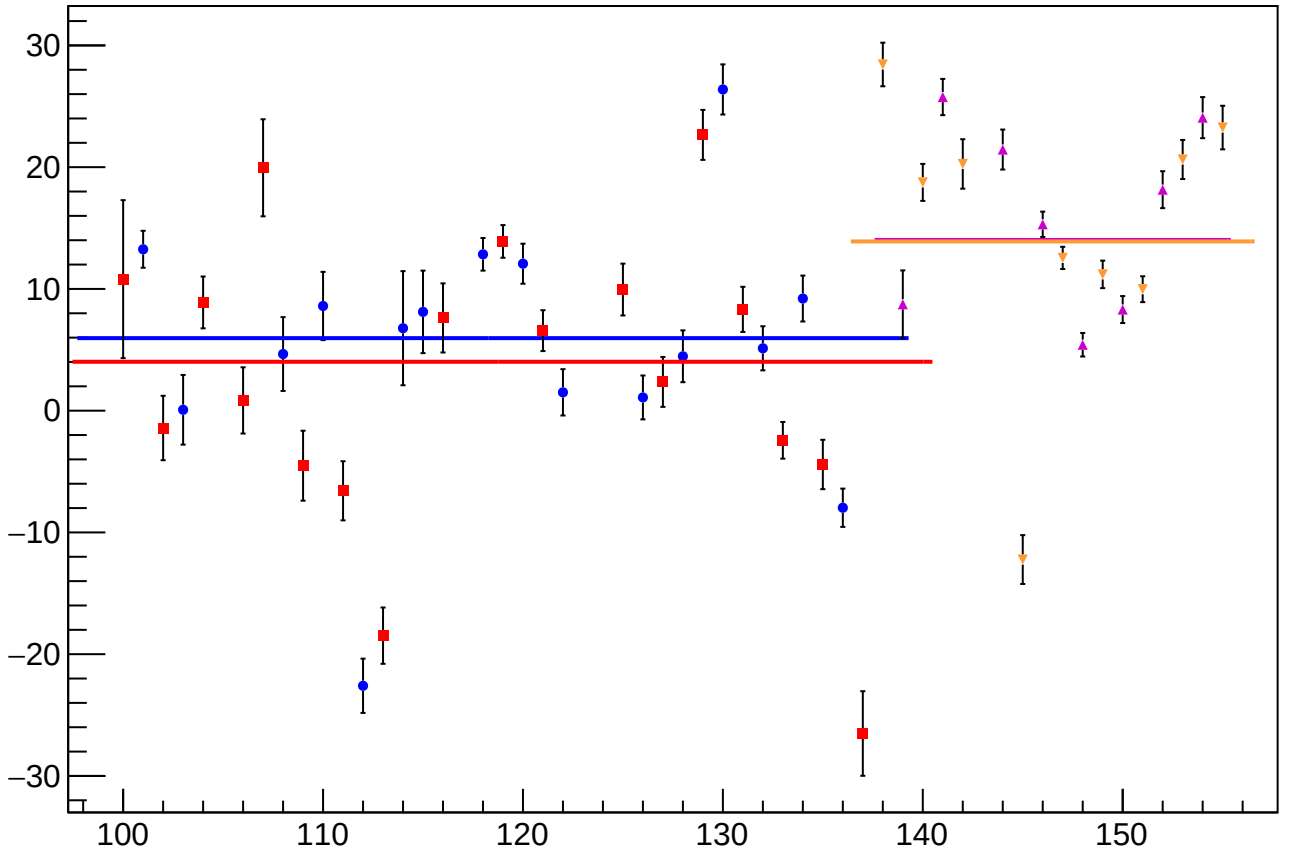
Left: 80.111+/-0.400 χ^2/NDF: 1166.2/16

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 85.493+/-0.362 χ^2/NDF:4034.4/23

Out: 86.664+/-0.366 χ^2/NDF:4322.4/26

All: 86.072+/-0.257 χ^2/NDF: 8362.0/50



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 13.900+/-0.456 χ^2/NDF:322.0/8

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 14.023+/-0.469 χ^2/NDF:236.5/7

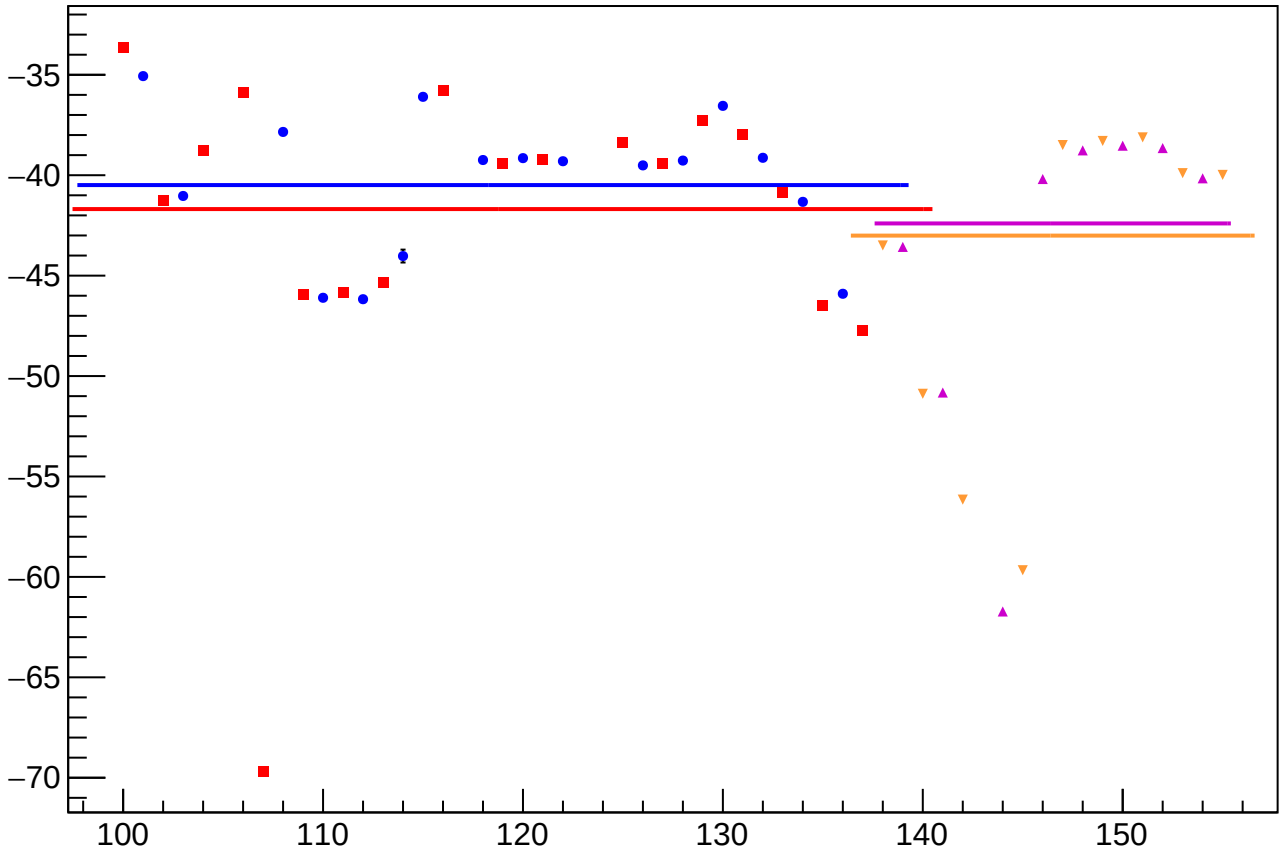
Left: 13.960+/-0.327 χ^2/NDF: 558.5/16

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 10.205+/-0.340 χ^2/NDF:803.2/23

Out: 9.504+/-0.340 χ^2/NDF:948.5/26

All: 9.854+/-0.240 χ^2/NDF: 1753.9/50



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -43.007+/-0.023 χ^2/NDF:92257.6/8

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -42.400+/-0.022 χ^2/NDF:77379.5/7

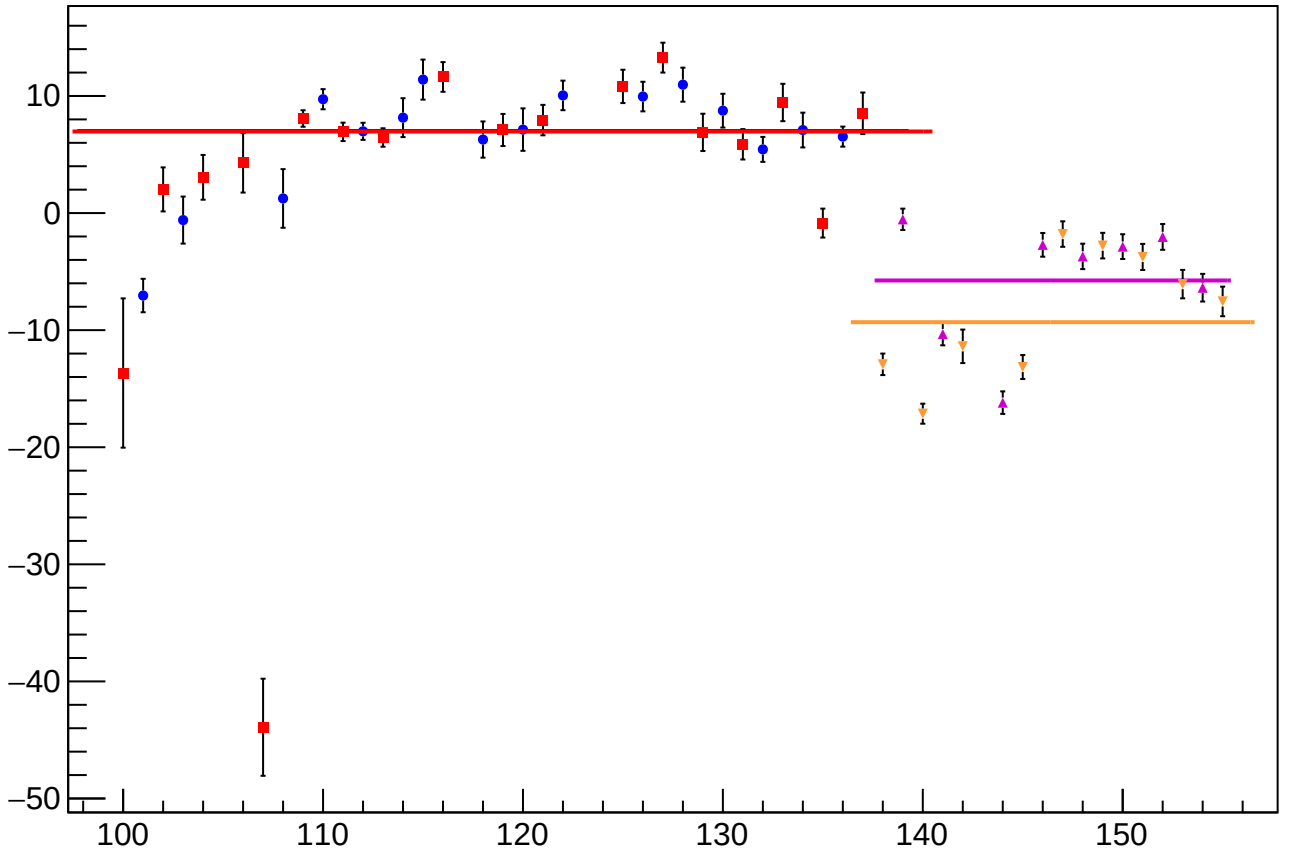
Left: -42.702+/-0.016 χ^2/NDF: 169999.4/16

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -41.663+/-0.018 χ^2/NDF:98297.9/23

Out: -42.513+/-0.018 χ^2/NDF:130373.7/26

All: -42.081+/-0.013 χ^2/NDF: 229819.7/50



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -9.319+/-0.358 χ^2/NDF:232.9/8

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -5.757+/-0.363 χ^2/NDF:204.5/7

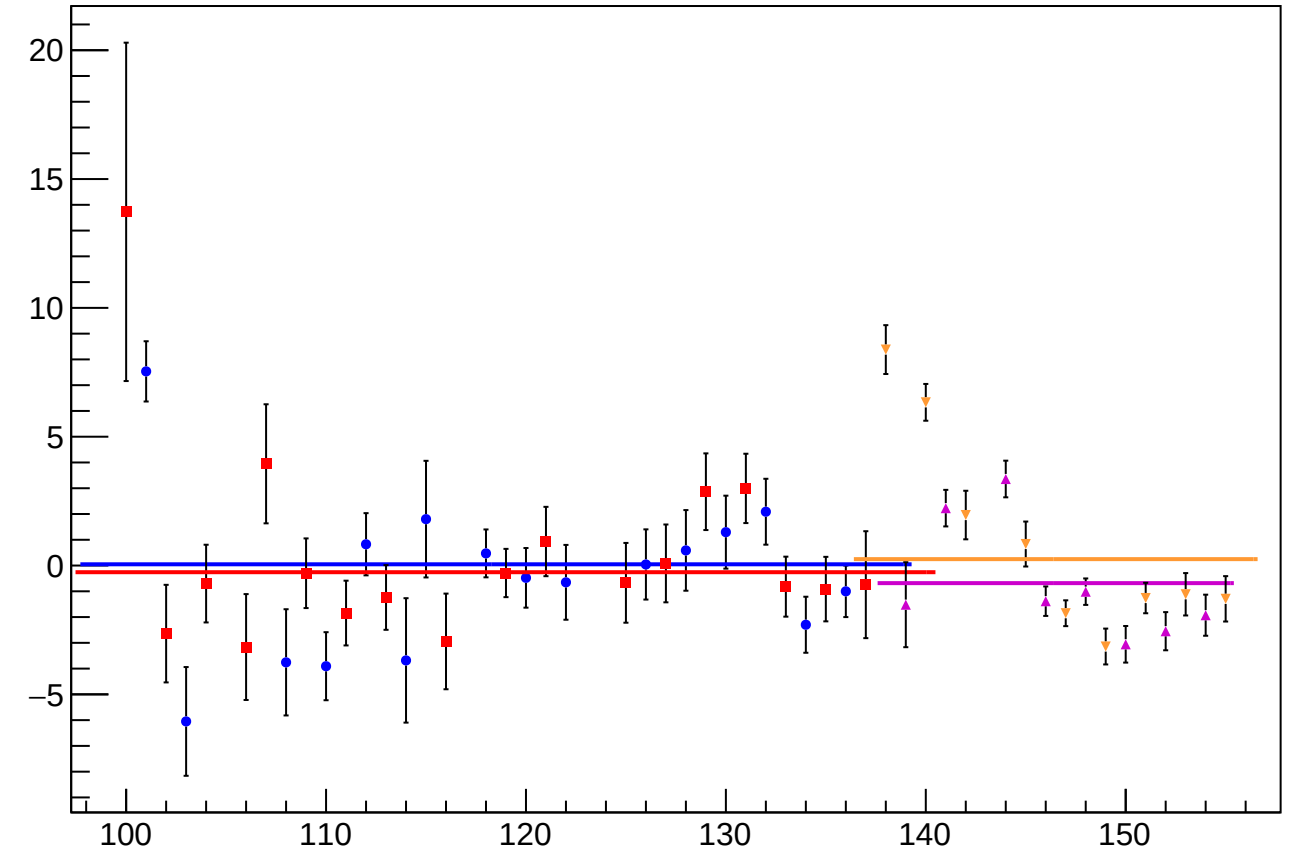
Left: -7.559+/-0.255 χ^2/NDF: 486.1/16

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 1.635+/-0.235 χ^2/NDF:1078.5/23

Out: 0.304+/-0.229 χ^2/NDF:1719.3/26

All: 0.952+/-0.164 χ^2/NDF: 2814.3/50



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.249+/-0.241 χ^2/NDF:203.7/8

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: -0.683+/-0.246 χ^2/NDF:71.3/7

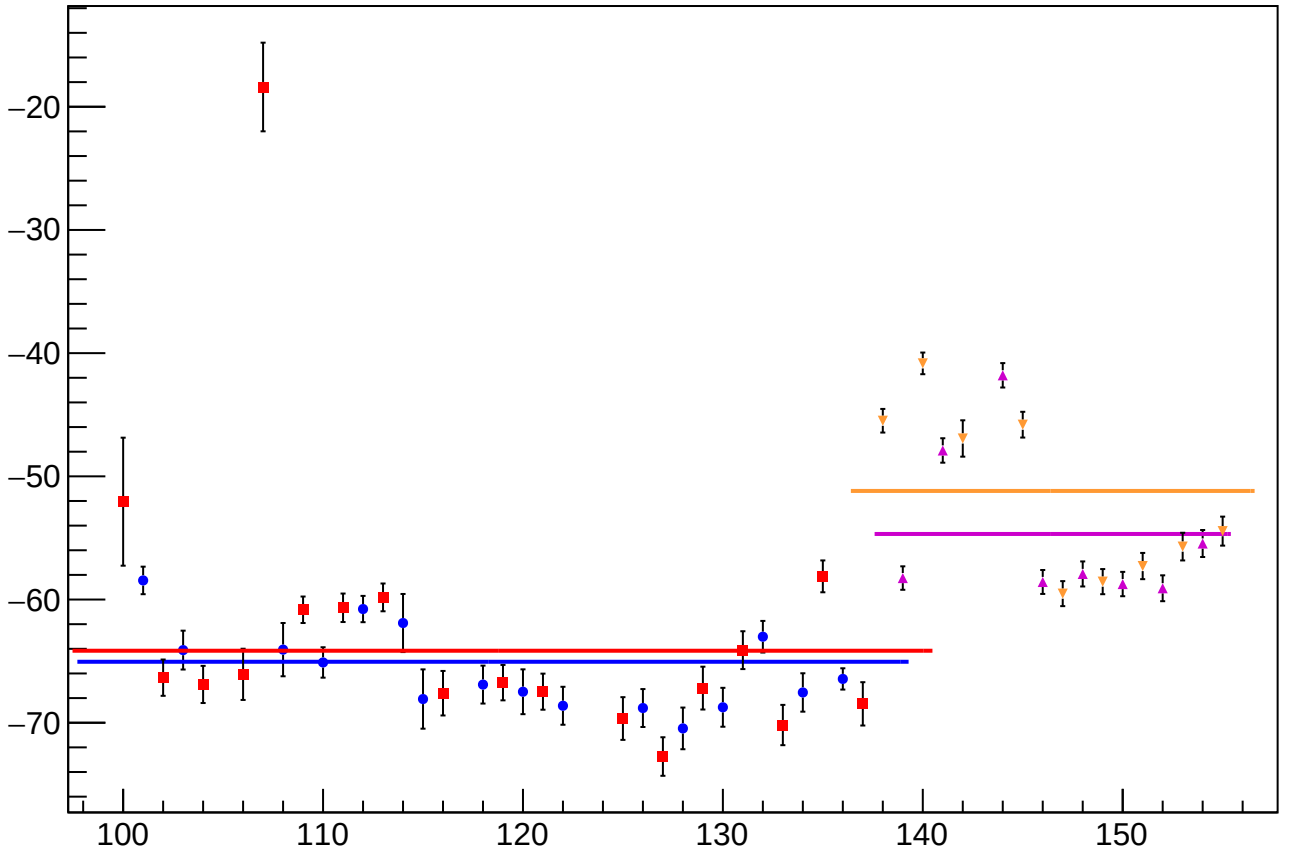
Left: -0.208+/-0.172 χ^2/NDF: 282.3/16

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: -0.423+/-0.197 χ^2/NDF:149.4/23

Out: 0.082+/-0.198 χ^2/NDF:232.7/26

All: -0.171+/-0.140 χ^2/NDF: 385.4/50



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -51.185+/-0.352 χ^2/NDF:385.1/8

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -54.677+/-0.355 χ^2/NDF:291.3/7

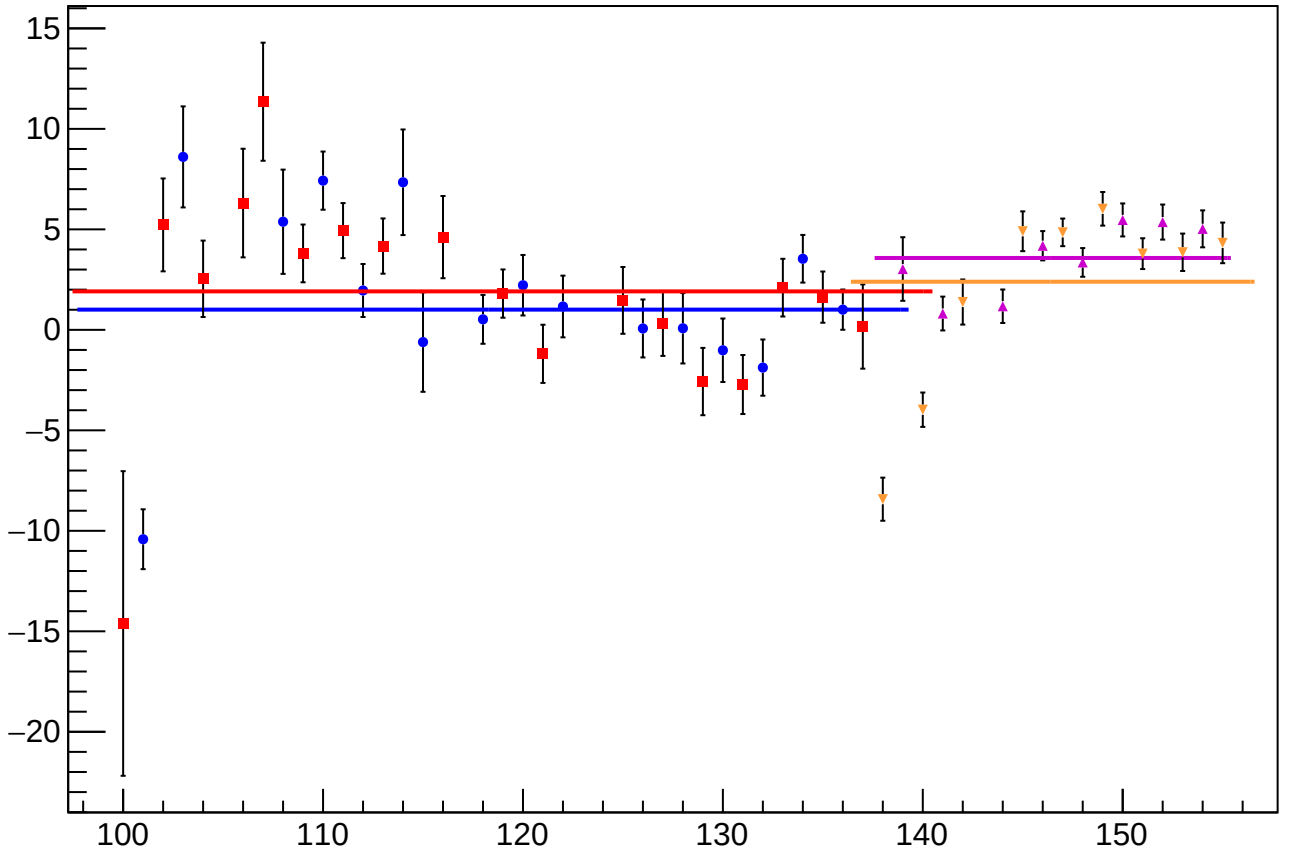
Left: -52.914+/-0.250 χ^2/NDF: 725.2/16

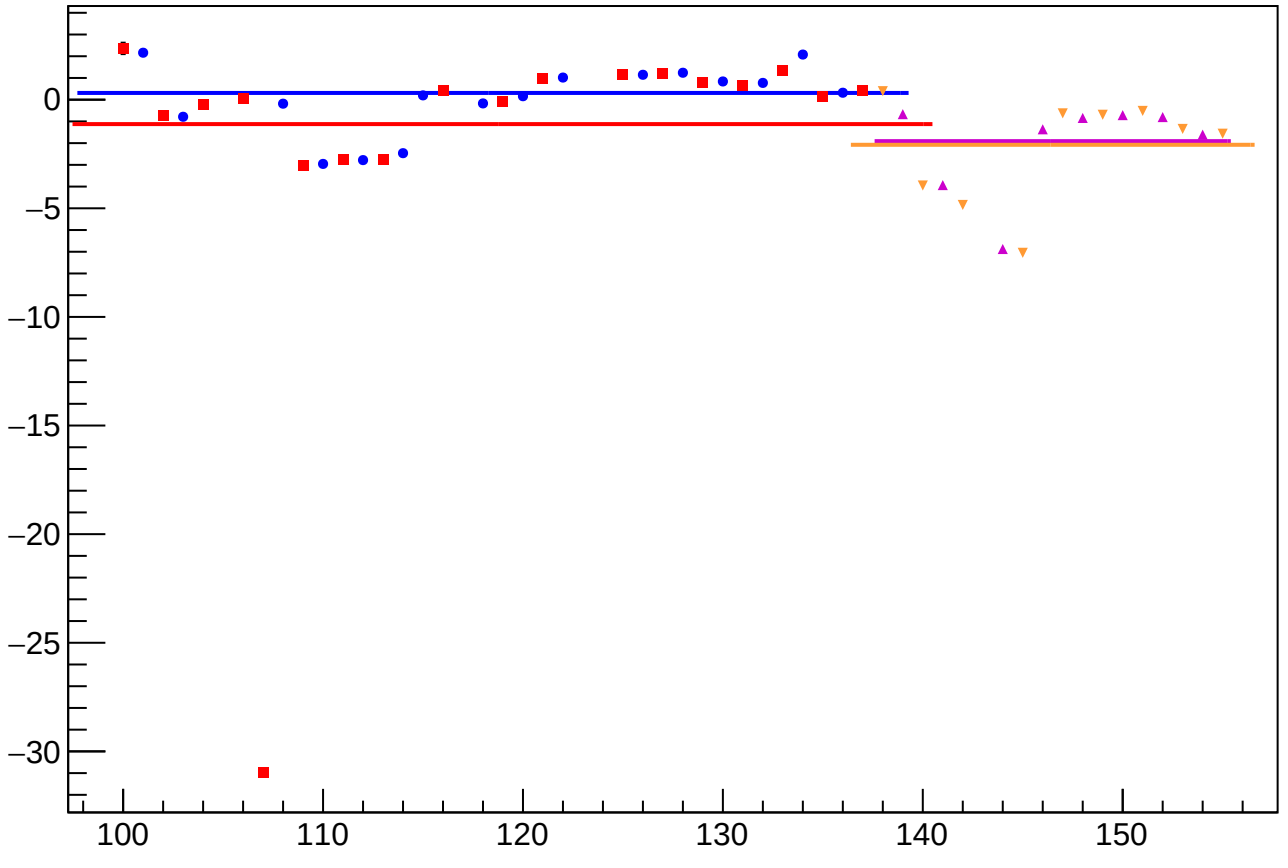
Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -59.880+/-0.251 χ^2/NDF:812.1/23

Out: -57.511+/-0.252 χ^2/NDF:1352.1/26

All: -58.700+/-0.178 χ^2/NDF: 2208.7/50


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: 2.394+/-0.296 χ²/NDF:205.6/8
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 3.576+/-0.300 χ²/NDF:32.0/7
Left: 2.976+/-0.211 χ²/NDF: 245.5/16
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 2.574+/-0.235 χ²/NDF:169.8/23
Out: 2.218+/-0.236 χ²/NDF:261.1/26
All: 2.397+/-0.166 χ²/NDF: 432.0/50



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -2.076+/-0.014 χ^2/NDF:27195.7/8

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -1.908+/-0.014 χ^2/NDF:19069.2/7

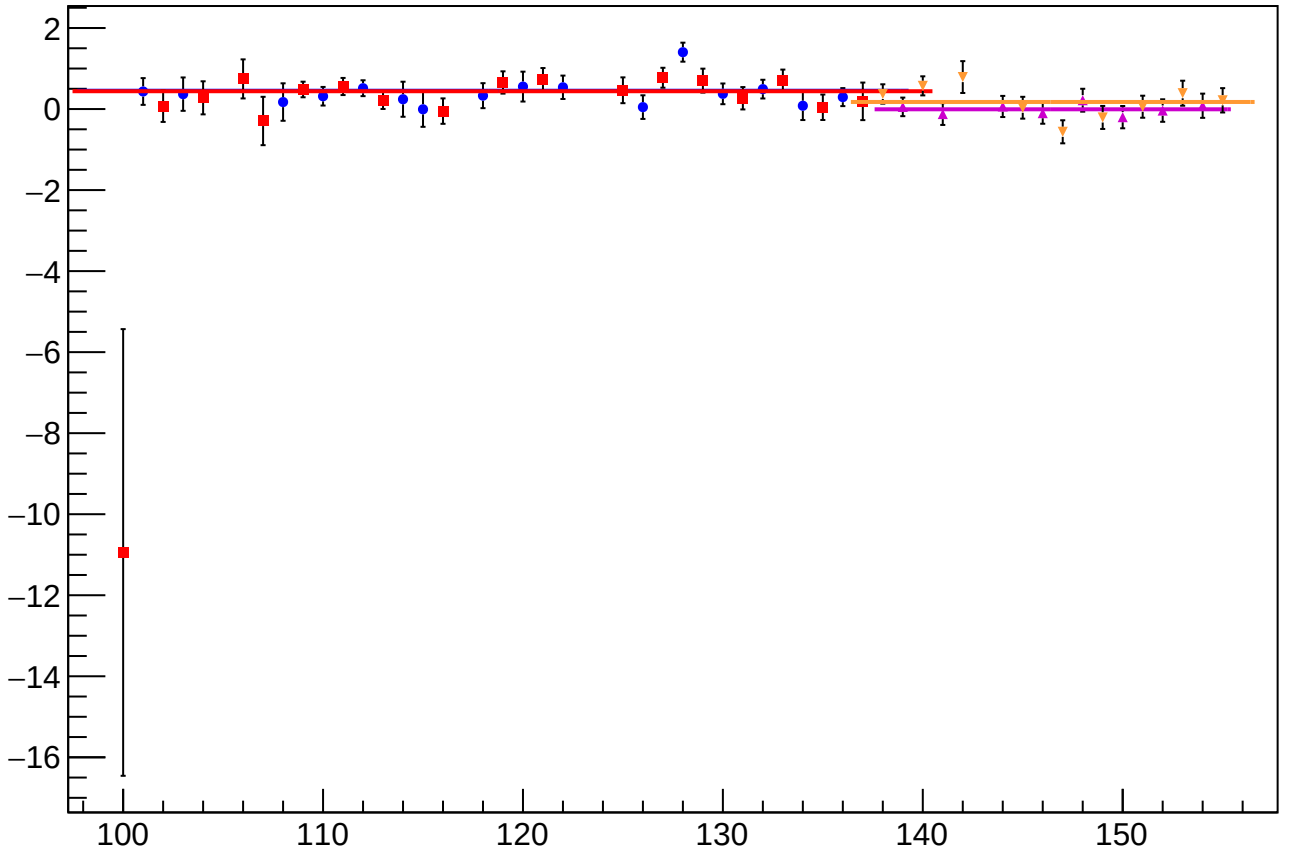
Left: -1.992+/-0.010 χ^2/NDF: 46338.1/16

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.238+/-0.012 χ^2/NDF:31659.2/23

Out: -1.808+/-0.012 χ^2/NDF:74863.7/26

All: -1.517+/-0.008 χ^2/NDF: 107710.9/50



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.175+/-0.093 χ^2/NDF:15.5/8

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: -0.006+/-0.094 χ^2/NDF:1.7/7

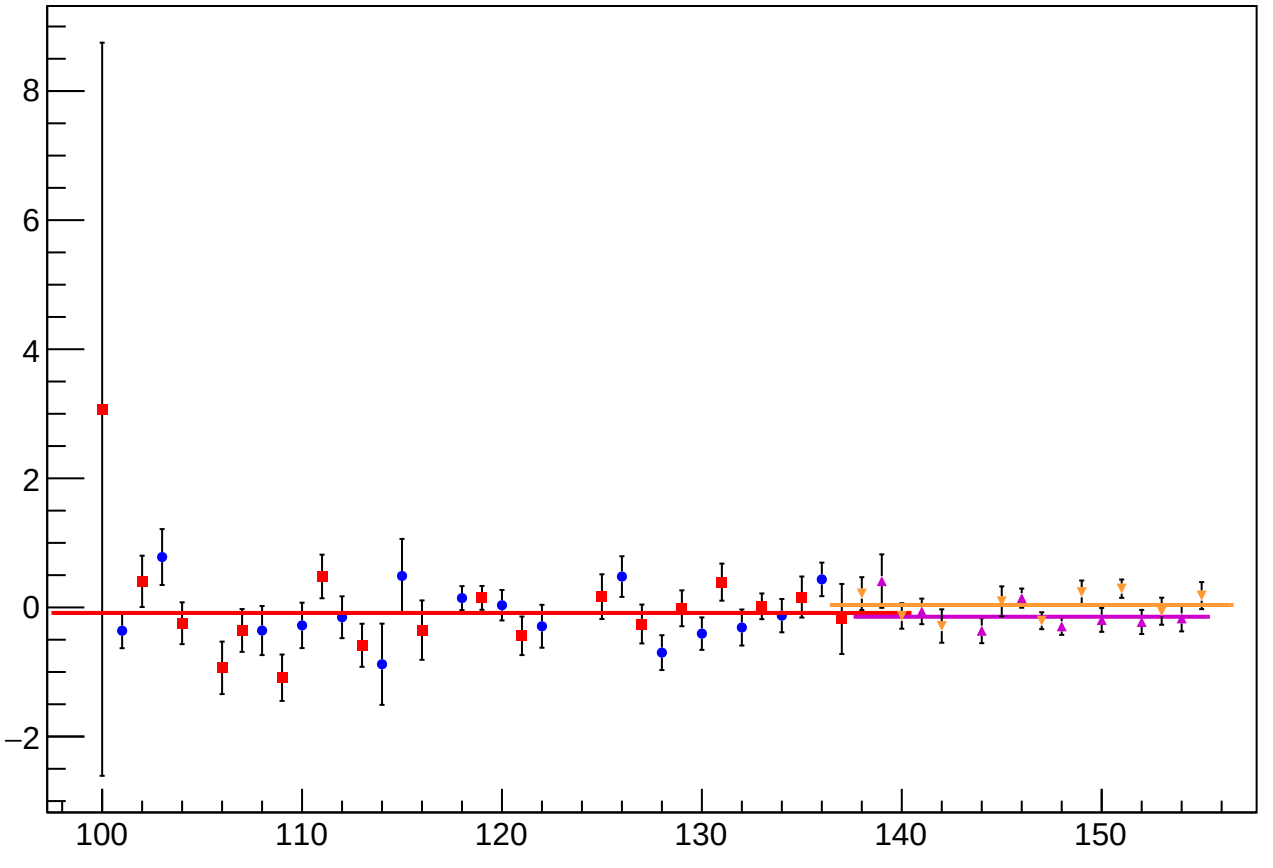
Left: 0.086+/-0.066 χ^2/NDF: 19.0/16

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.286+/-0.057 χ^2/NDF:39.3/23

Out: 0.345+/-0.056 χ^2/NDF:39.2/26

All: 0.316+/-0.040 χ^2/NDF: 79.1/50



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.038+/-0.062 χ^2/NDF:11.4/8

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.144+/-0.064 χ^2/NDF:8.5/7

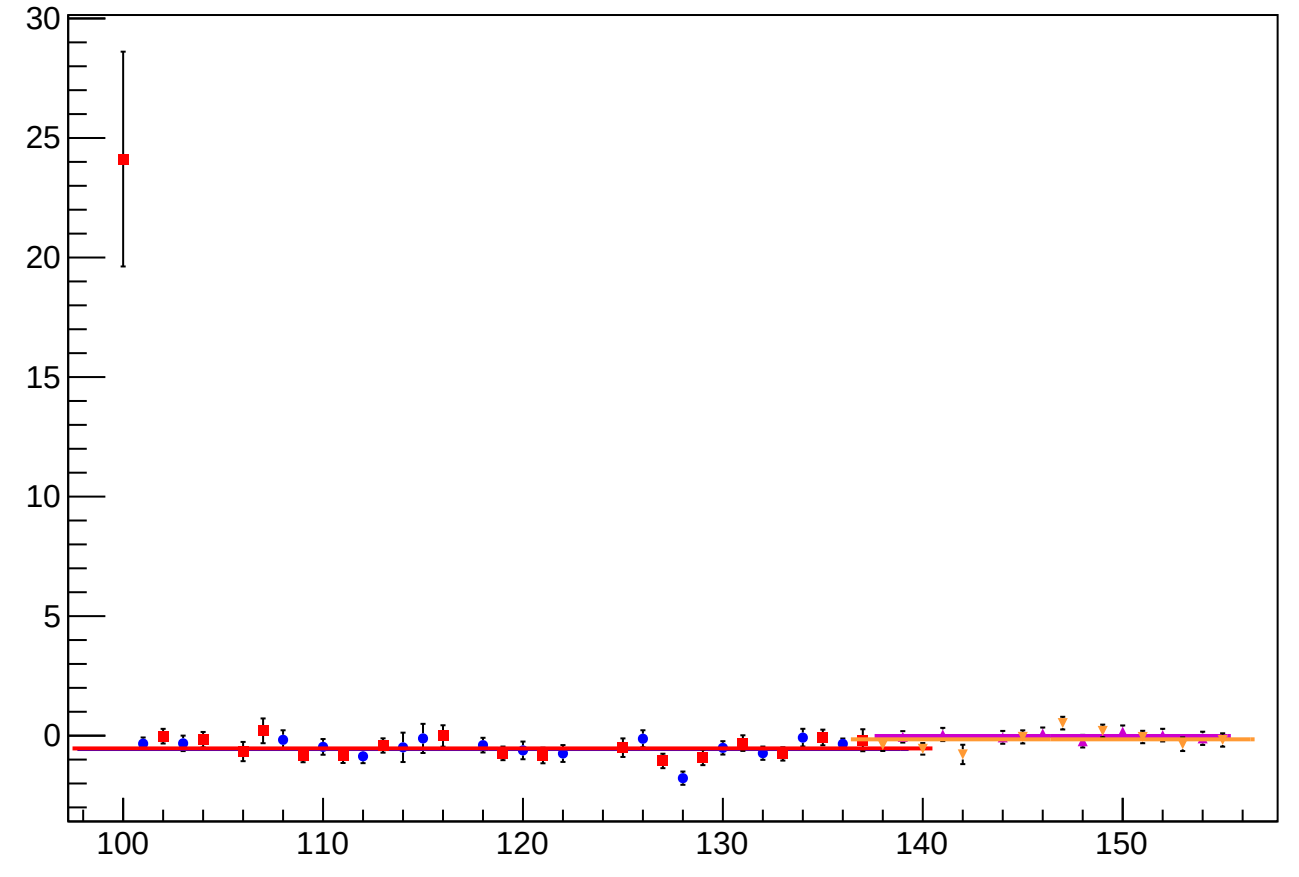
Left: -0.050+/-0.045 χ^2/NDF: 24.0/16

Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.119+/-0.048 χ^2/NDF:34.2/23

Out: -0.013+/-0.048 χ^2/NDF:40.9/26

All: -0.065+/-0.034 χ^2/NDF: 77.5/50



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.153+/-0.091 χ^2/NDF:15.1/8

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.014+/-0.092 χ^2/NDF:1.6/7

Left: -0.084+/-0.065 χ^2/NDF: 17.9/16

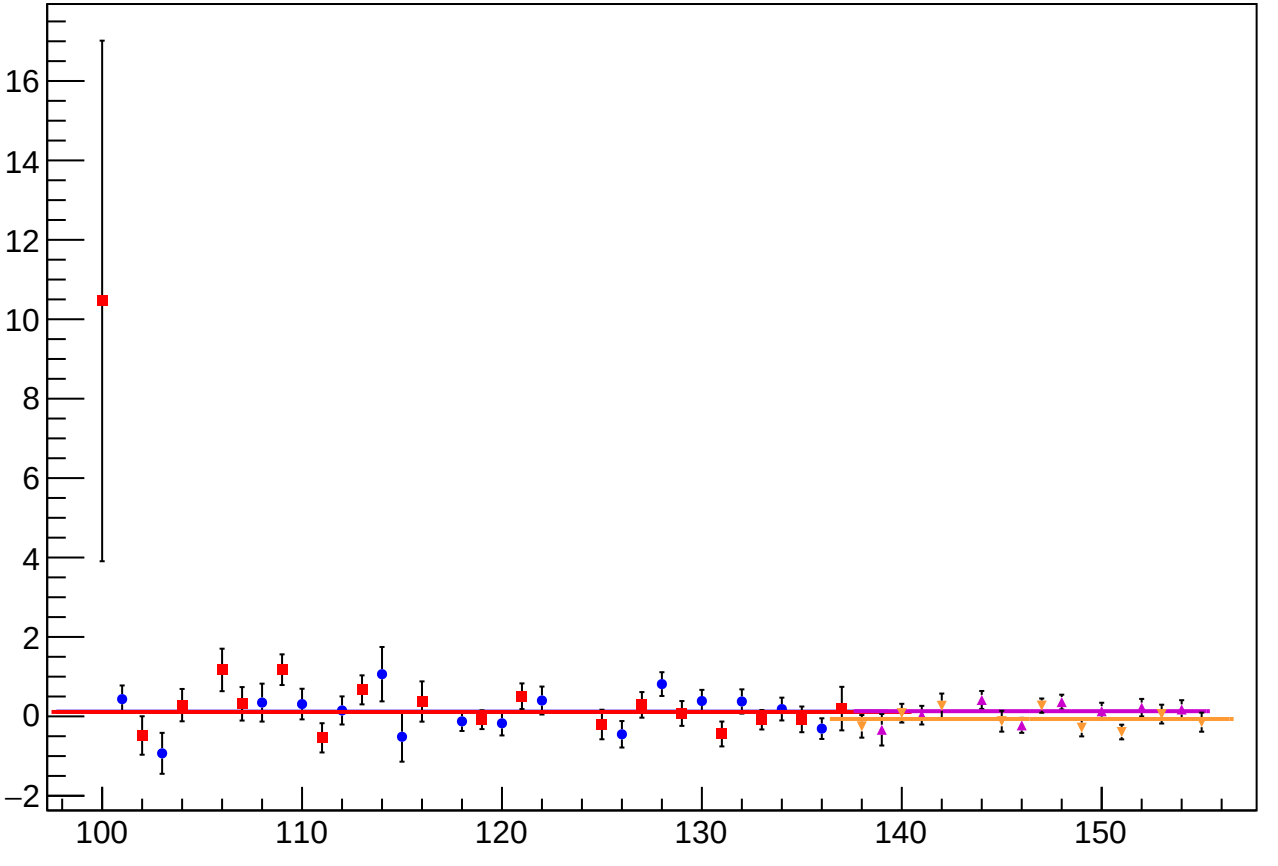
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.326+/-0.060 χ^2/NDF:49.9/23

Out: -0.366+/-0.060 χ^2/NDF:74.1/26

All: -0.346+/-0.043 χ^2/NDF: 124.2/50

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.066+/-0.076 χ^2/NDF:10.1/8

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.131+/-0.079 χ^2/NDF:8.5/7

Left: 0.029+/-0.055 χ^2/NDF: 21.8/16

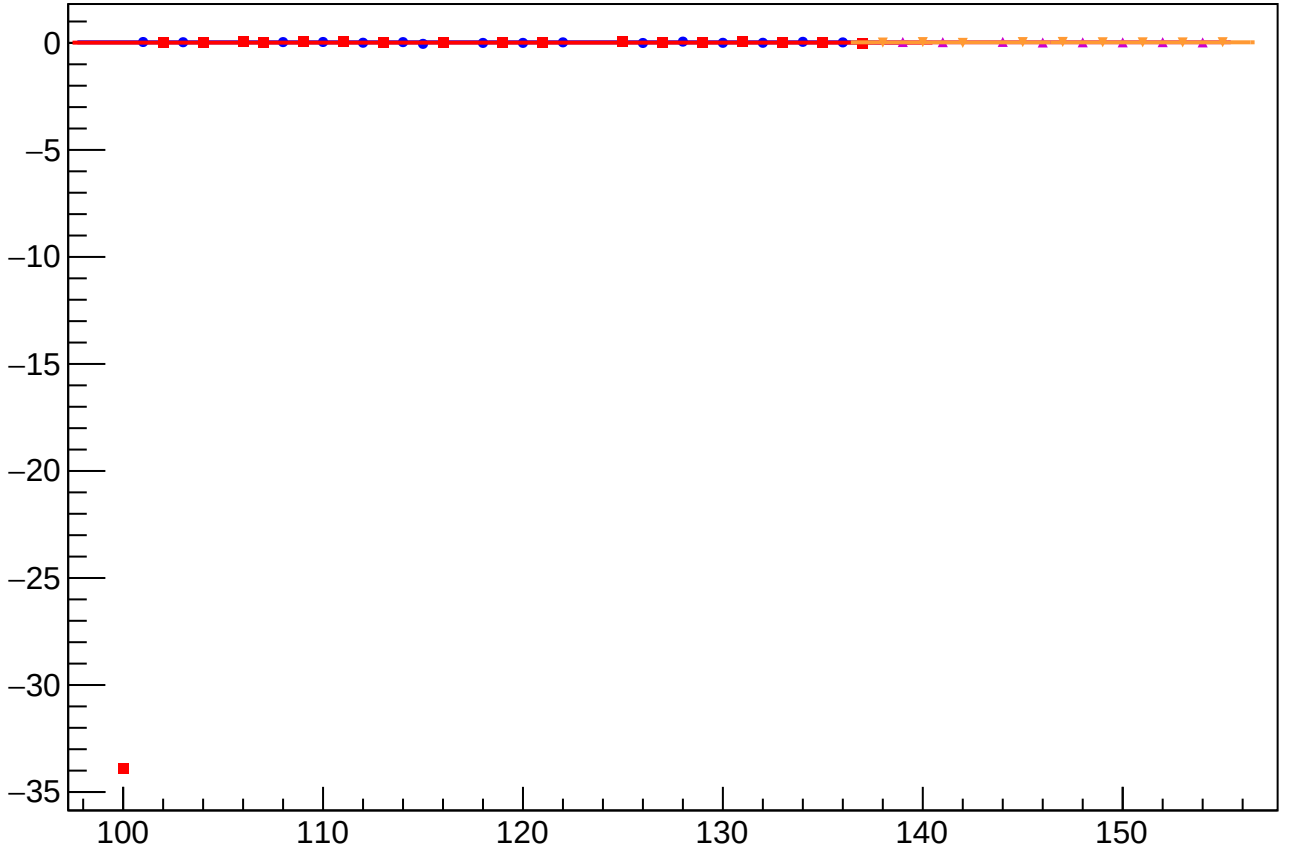
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.125+/-0.057 χ^2/NDF:32.1/23

Out: 0.013+/-0.057 χ^2/NDF:41.5/26

All: 0.068+/-0.040 χ^2/NDF: 75.5/50

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.027+/-0.004 χ^2/NDF:7.8/8

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.033+/-0.004 χ^2/NDF:5.6/7

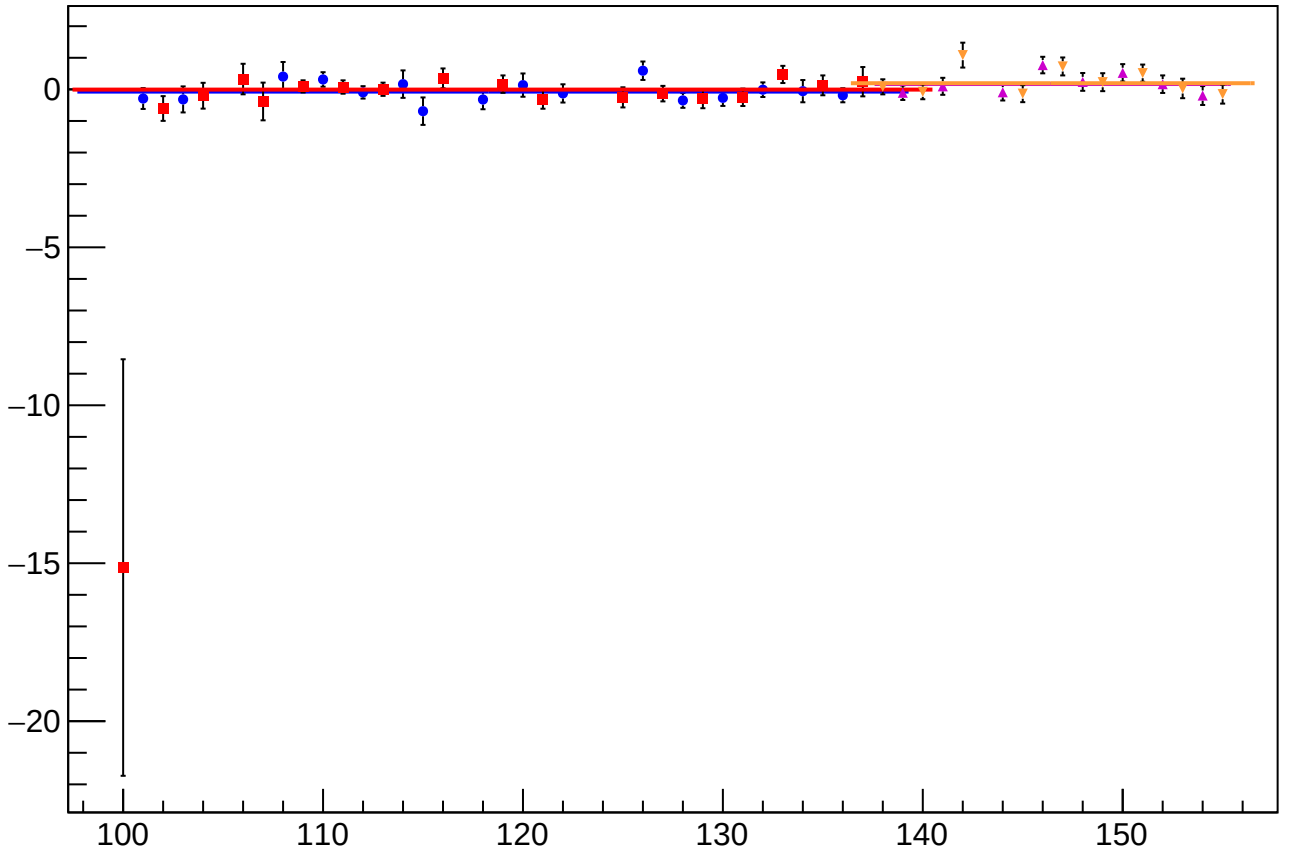
Left: 0.030+/-0.003 χ^2/NDF: 14.5/16

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.031+/-0.003 χ^2/NDF:21.0/23

Out: 0.022+/-0.003 χ^2/NDF:22276.5/26

All: 0.026+/-0.002 χ^2/NDF: 22302.2/50



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.195+/-0.093 χ^2/NDF:14.6/8

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.170+/-0.094 χ^2/NDF:11.0/7

Left: 0.183+/-0.066 χ^2/NDF: 25.7/16

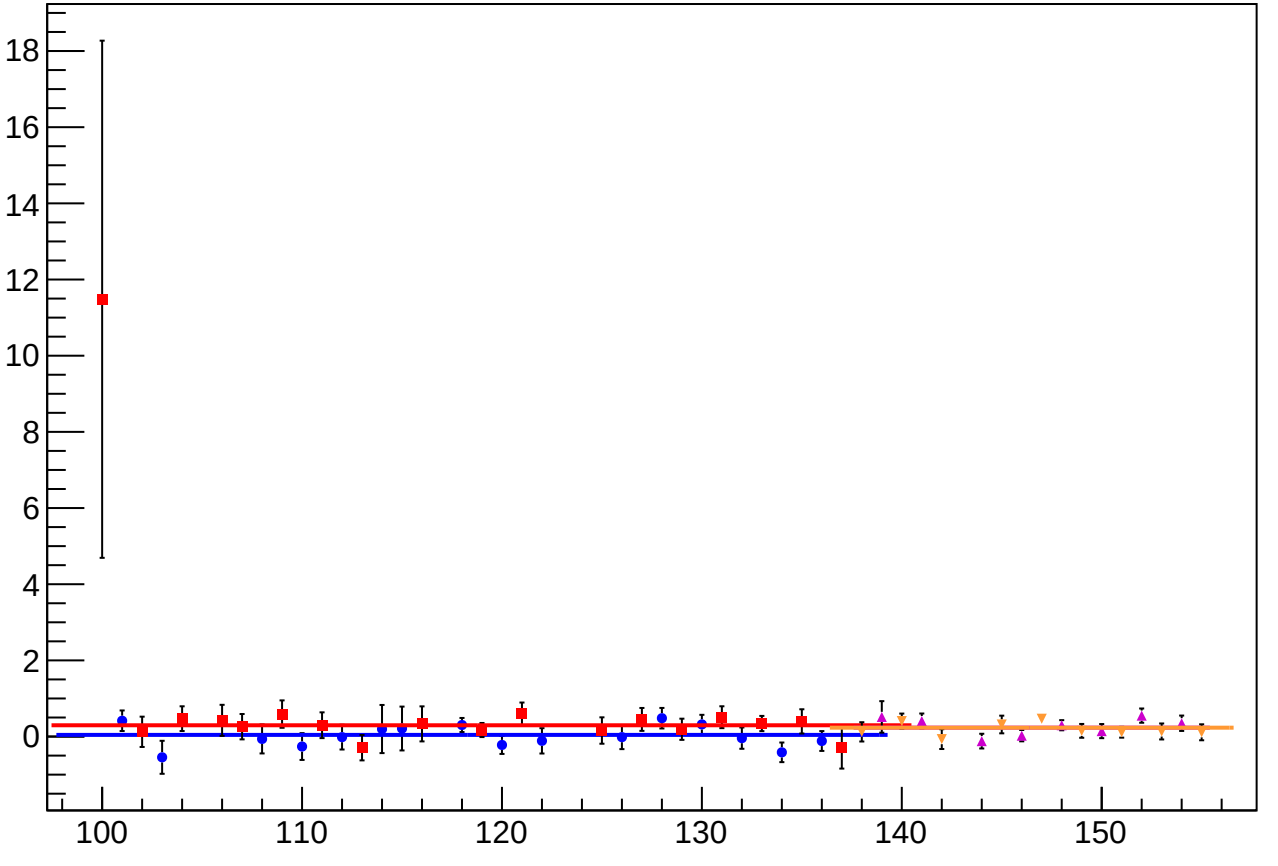
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.017+/-0.057 χ^2/NDF:30.6/23

Out: 0.066+/-0.056 χ^2/NDF:35.8/26

All: 0.042+/-0.040 χ^2/NDF: 66.8/50

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.233+/-0.062 χ^2/NDF:7.1/8

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.233+/-0.064 χ^2/NDF:10.2/7

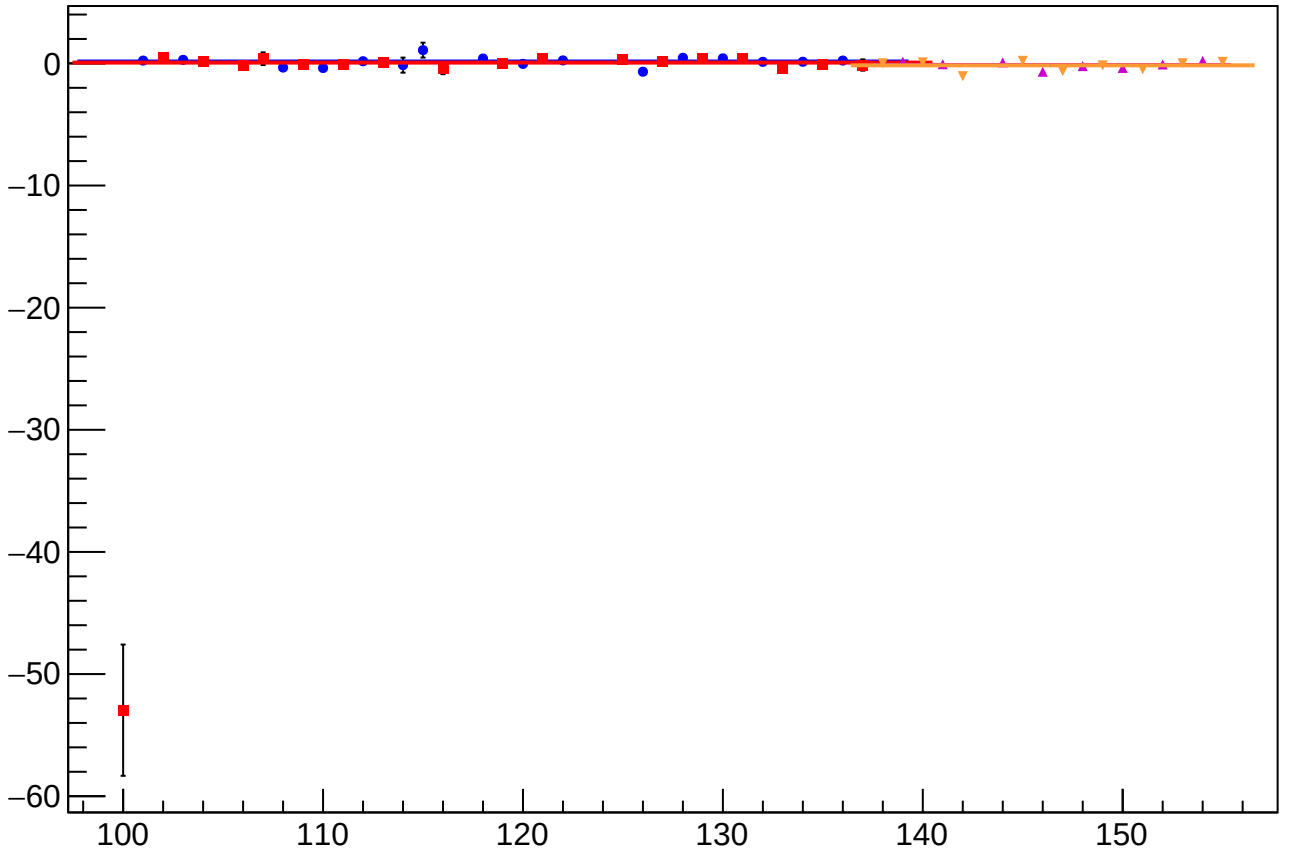
Left: 0.233+/-0.045 χ^2/NDF: 17.3/16

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.150+/-0.048 χ^2/NDF:29.7/23

Out: 0.259+/-0.048 χ^2/NDF:18.5/26

All: 0.206+/-0.034 χ^2/NDF: 50.9/50



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.158+/-0.091 χ^2/NDF:14.1/8

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.129+/-0.092 χ^2/NDF:9.3/7

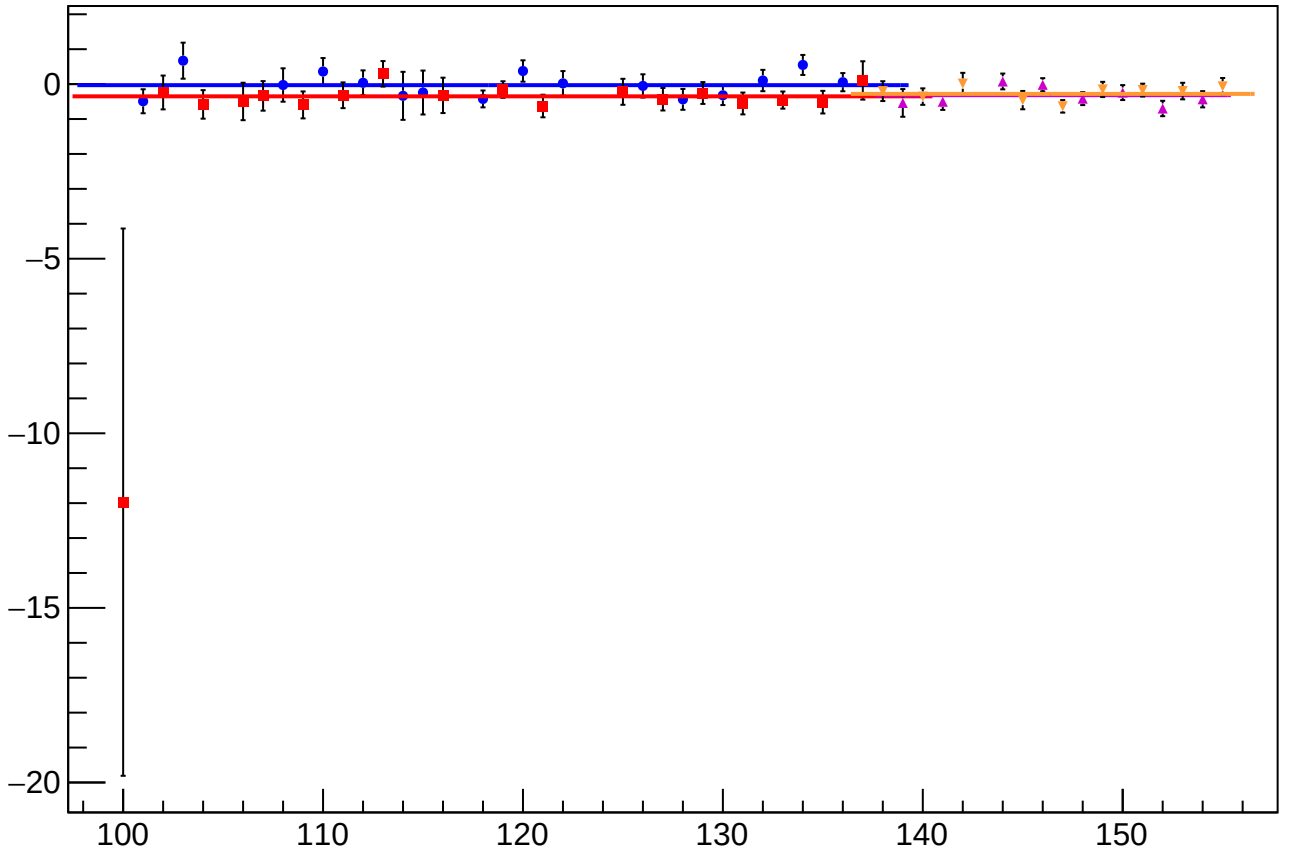
Left: -0.144+/-0.065 χ^2/NDF: 23.5/16

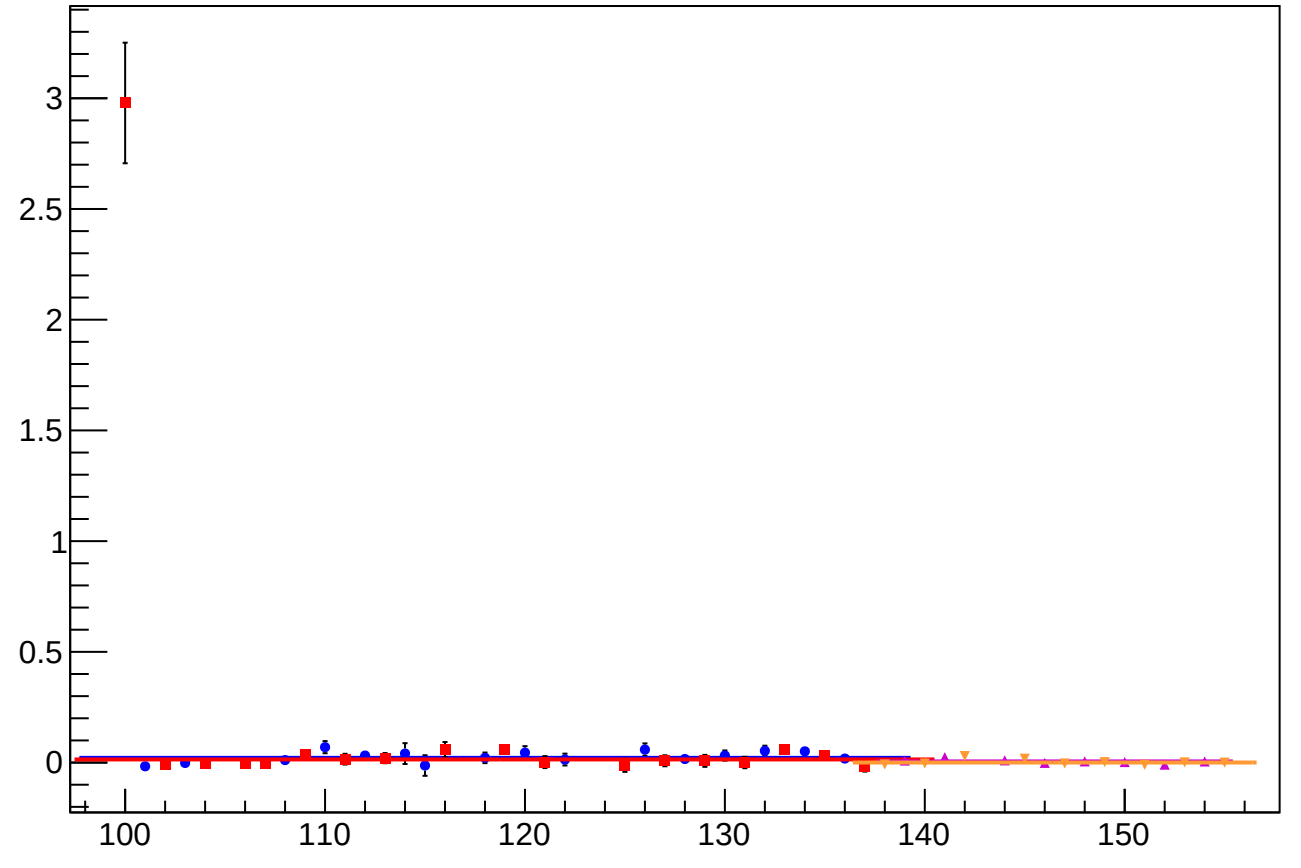
Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.033+/-0.060 χ^2/NDF:30.3/23

Out: -0.033+/-0.060 χ^2/NDF:126.8/26

All: -0.000+/-0.043 χ^2/NDF: 157.7/50


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: -0.280+/-0.076 χ²/NDF:7.1/8
Right Out: -0.350+/-0.085 χ²/NDF: 9.4/17
Left In: -0.317+/-0.079 χ²/NDF:10.1/7
Left: -0.298+/-0.055 χ²/NDF: 17.3/16
Right: -0.188+/-0.060 χ²/NDF: 33.4/33
In: -0.183+/-0.057 χ²/NDF:33.1/23
Out: -0.312+/-0.057 χ²/NDF:16.9/26
All: -0.248+/-0.040 χ²/NDF: 52.6/50



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.000+/-0.004 χ^2/NDF:7.7/8

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.005+/-0.004 χ^2/NDF:6.1/7

Left: 0.003+/-0.003 χ^2/NDF: 14.7/16

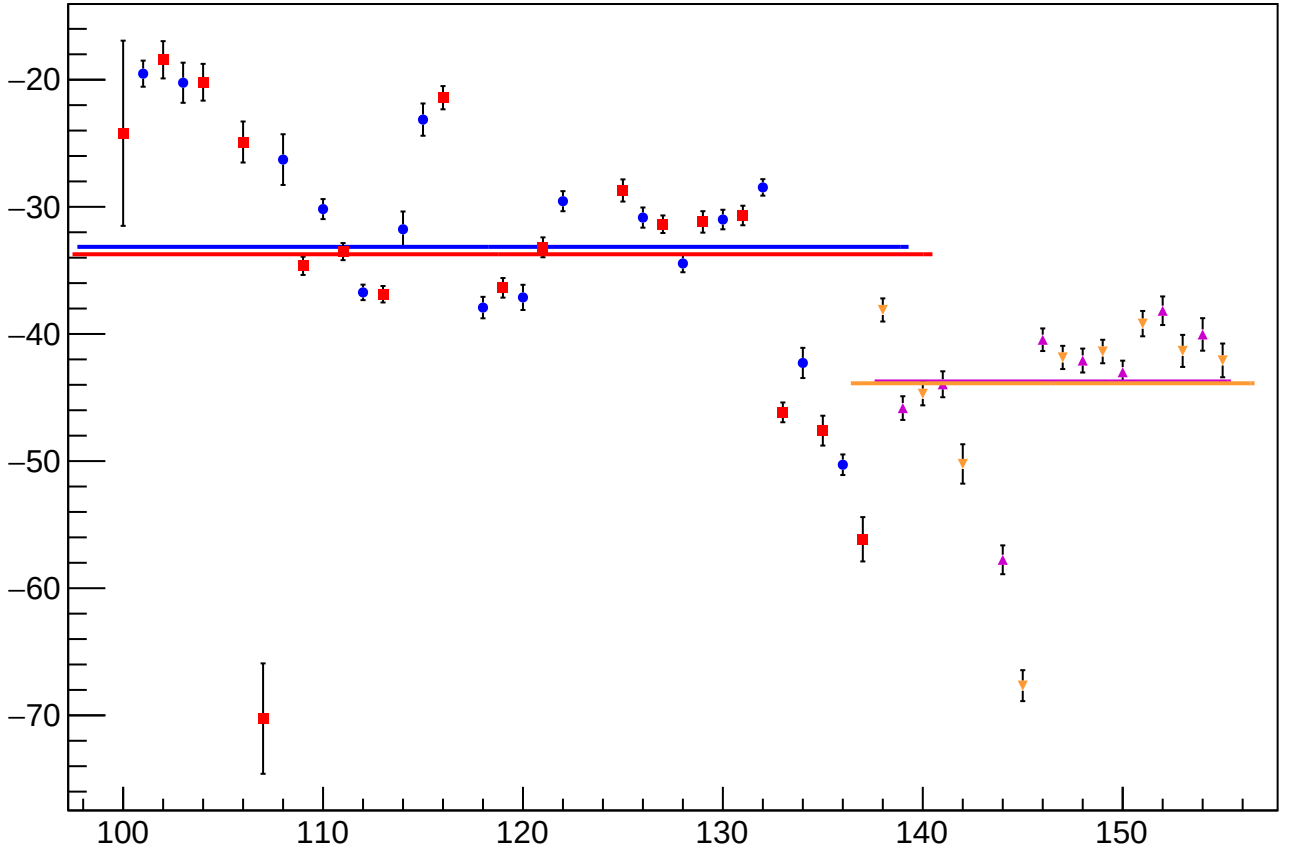
Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.011+/-0.003 χ^2/NDF:35.7/23

Out: 0.005+/-0.003 χ^2/NDF:153.8/26

All: 0.008+/-0.002 χ^2/NDF: 191.6/50

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -43.880+/-0.352 χ^2/NDF:479.8/8

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -43.734+/-0.356 χ^2/NDF:208.3/7

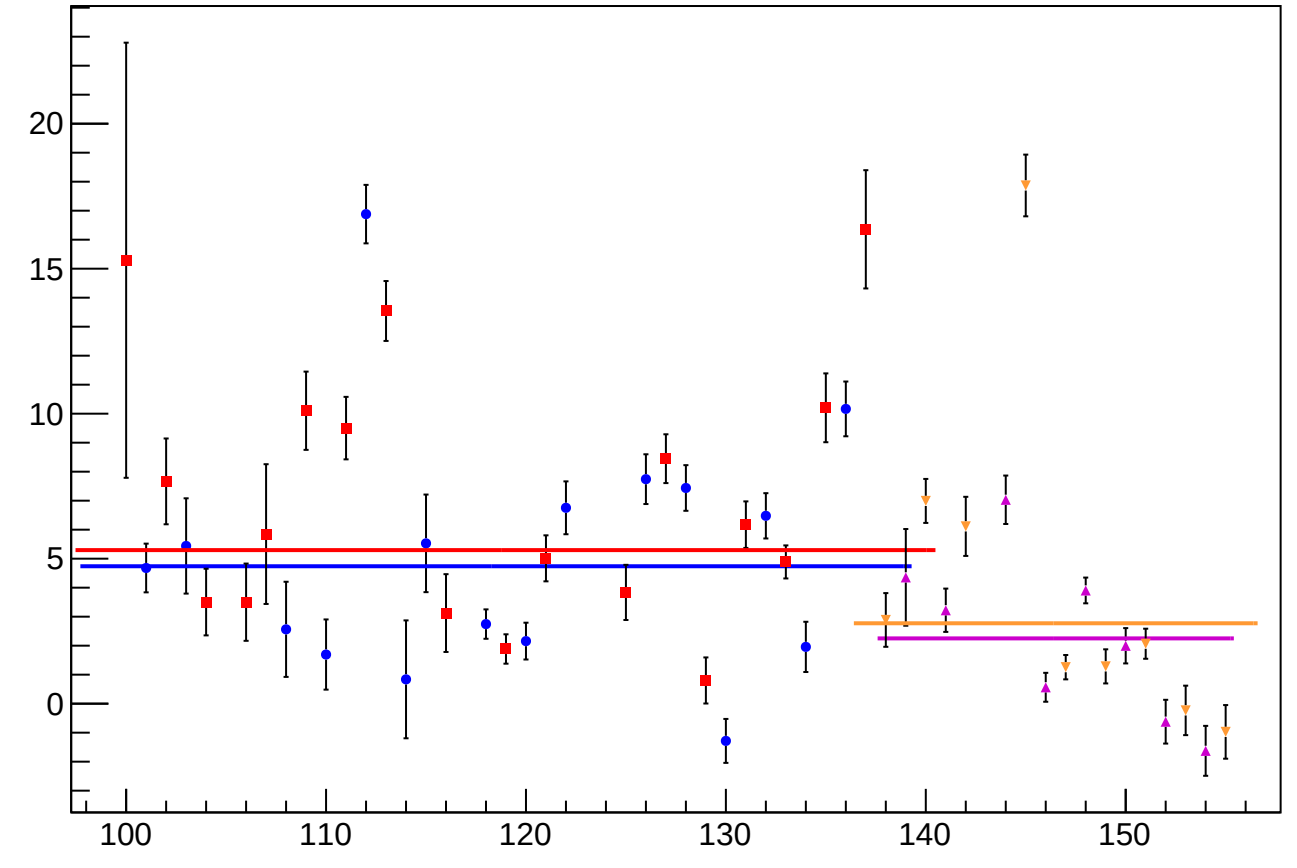
Left: -43.808+/-0.250 χ^2/NDF: 688.2/16

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.037+/-0.186 χ^2/NDF:1866.1/23

Out: -36.488+/-0.183 χ^2/NDF:2234.5/26

All: -36.266+/-0.131 χ^2/NDF: 4103.5/50



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.772+/-0.226 χ^2/NDF:293.1/8

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 2.251+/-0.233 χ^2/NDF:96.3/7

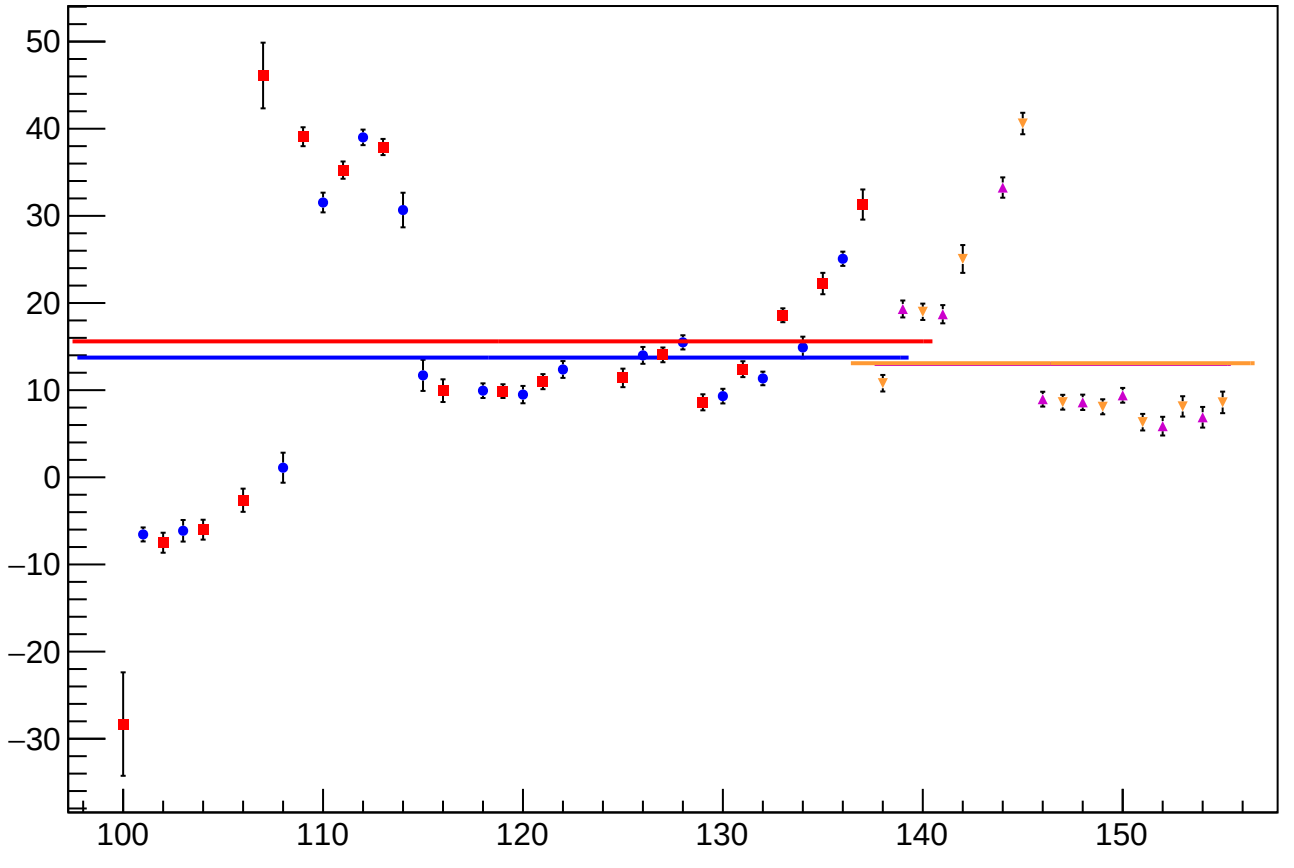
Left: 2.519+/-0.162 χ^2/NDF: 392.0/16

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 3.568+/-0.160 χ^2/NDF:486.5/23

Out: 4.049+/-0.159 χ^2/NDF:601.2/26

All: 3.809+/-0.113 χ^2/NDF: 1092.2/50



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 13.091+/-0.343 χ^2/NDF:743.0/8

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 13.002+/-0.346 χ^2/NDF:509.1/7

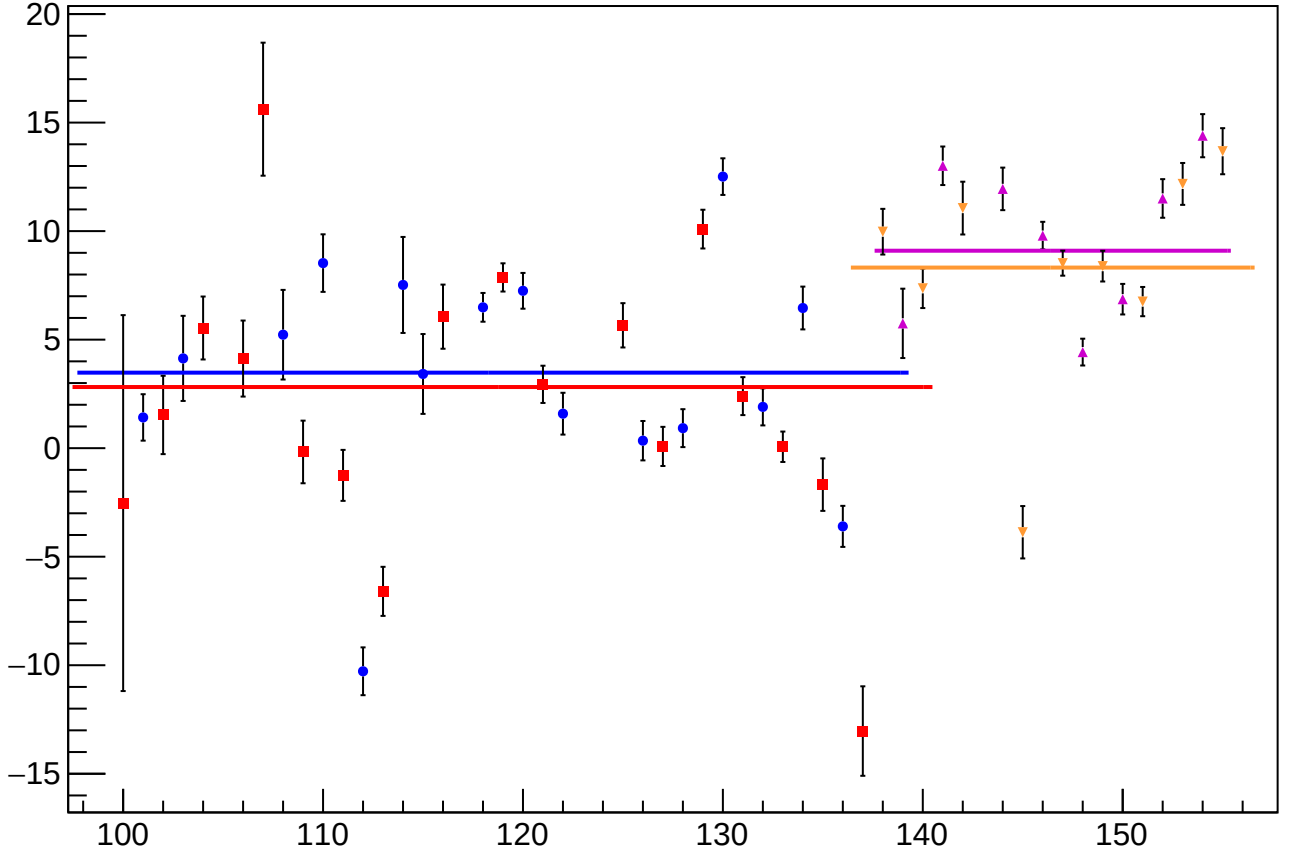
Left: 13.047+/-0.243 χ^2/NDF: 1252.2/16

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 13.490+/-0.201 χ^2/NDF:2862.0/23

Out: 14.727+/-0.202 χ^2/NDF:3604.3/26

All: 14.105+/-0.142 χ^2/NDF: 6485.1/50



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.320+/-0.281 χ^2/NDF:157.8/8

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.097+/-0.288 χ^2/NDF:136.5/7

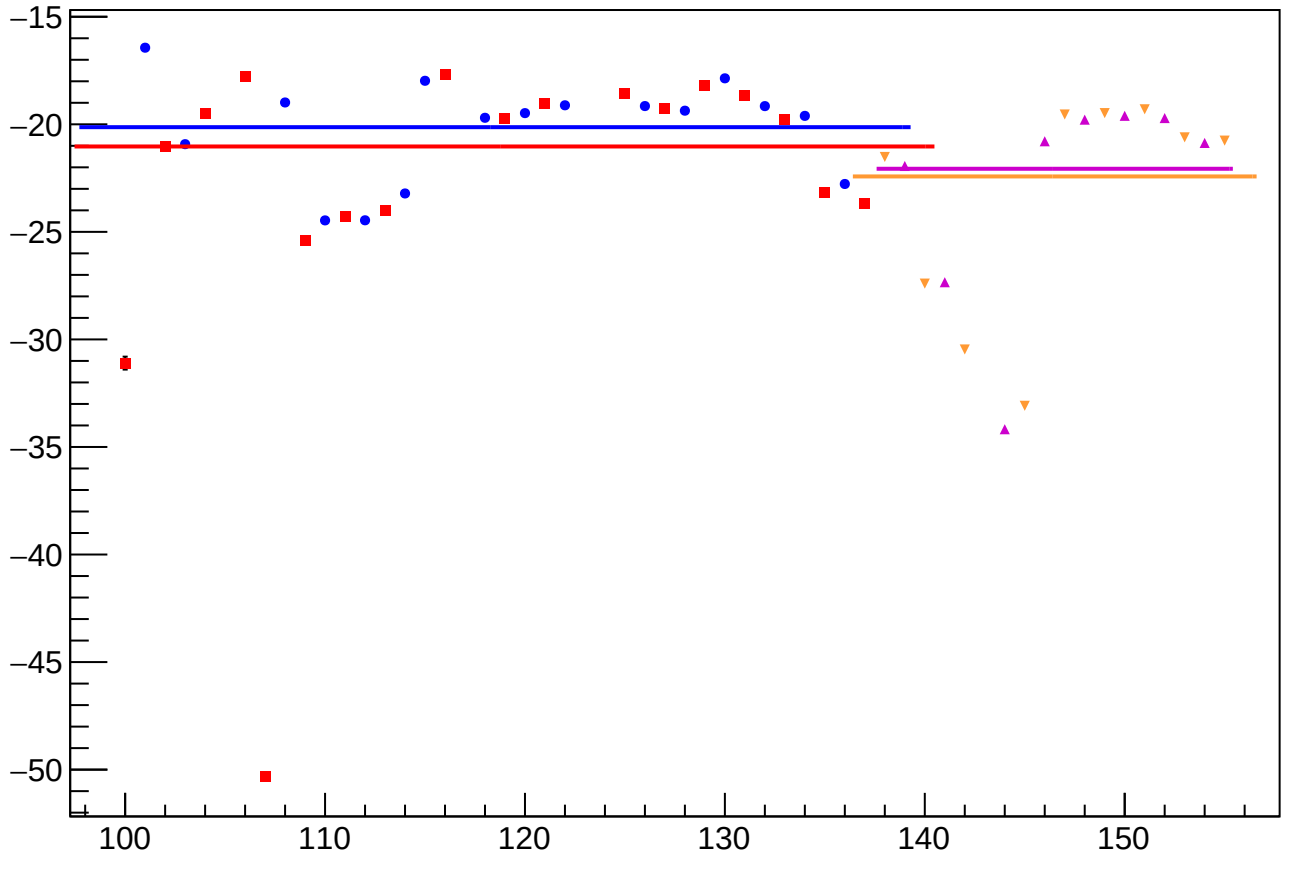
Left: 8.700+/-0.201 χ^2/NDF: 298.1/16

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 5.938+/-0.190 χ^2/NDF:778.8/23

Out: 5.325+/-0.190 χ^2/NDF:711.7/26

All: 5.631+/-0.134 χ^2/NDF: 1495.7/50



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -22.423+/-0.014 χ^2/NDF:101067.6/8

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -22.067+/-0.014 χ^2/NDF:83594.5/7

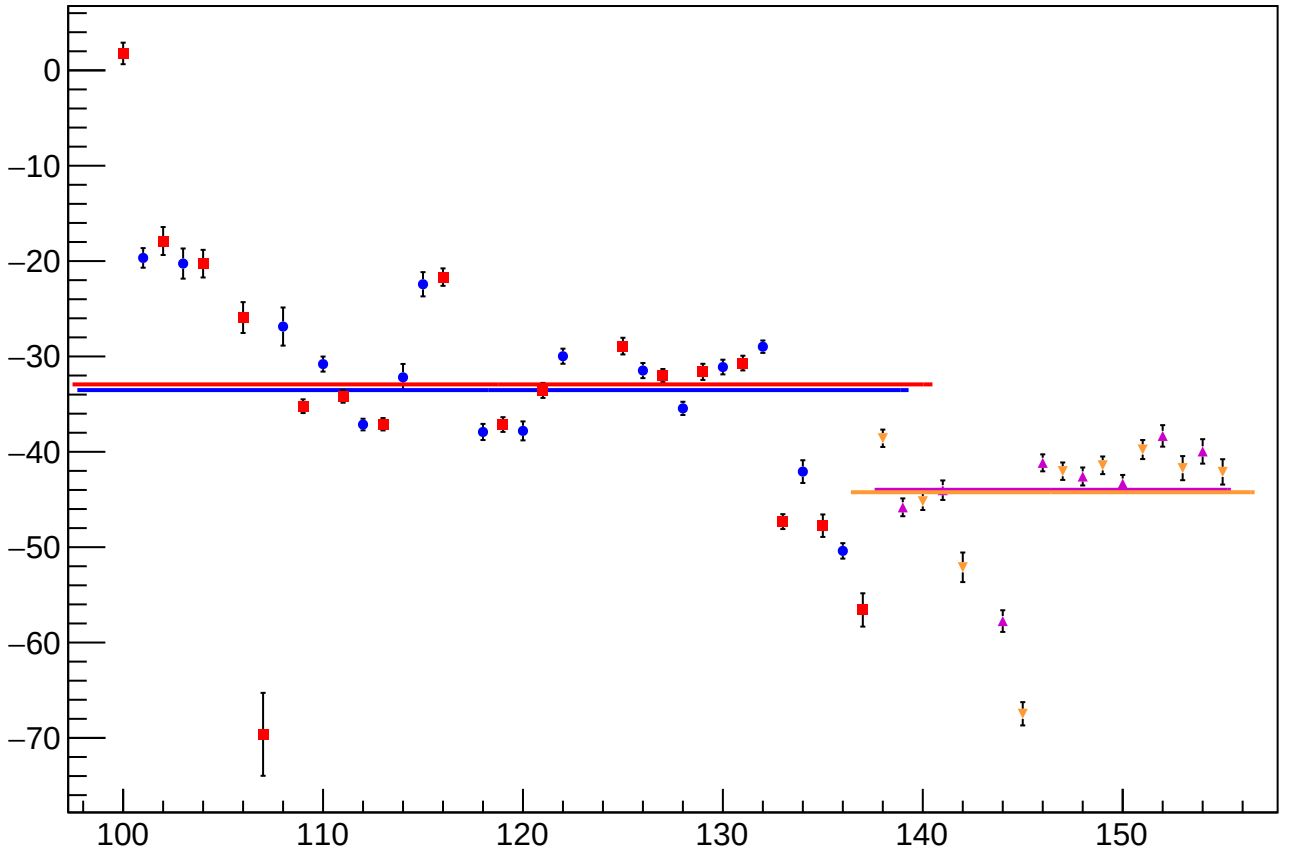
Left: -22.243+/-0.010 χ^2/NDF: 185003.3/16

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -21.258+/-0.010 χ^2/NDF:111908.6/23

Out: -21.853+/-0.011 χ^2/NDF:162820.5/26

All: -21.550+/-0.007 χ^2/NDF: 276348.2/50



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -44.237+/-0.352 χ^2/NDF:469.7/8

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -43.983+/-0.356 χ^2/NDF:198.6/7

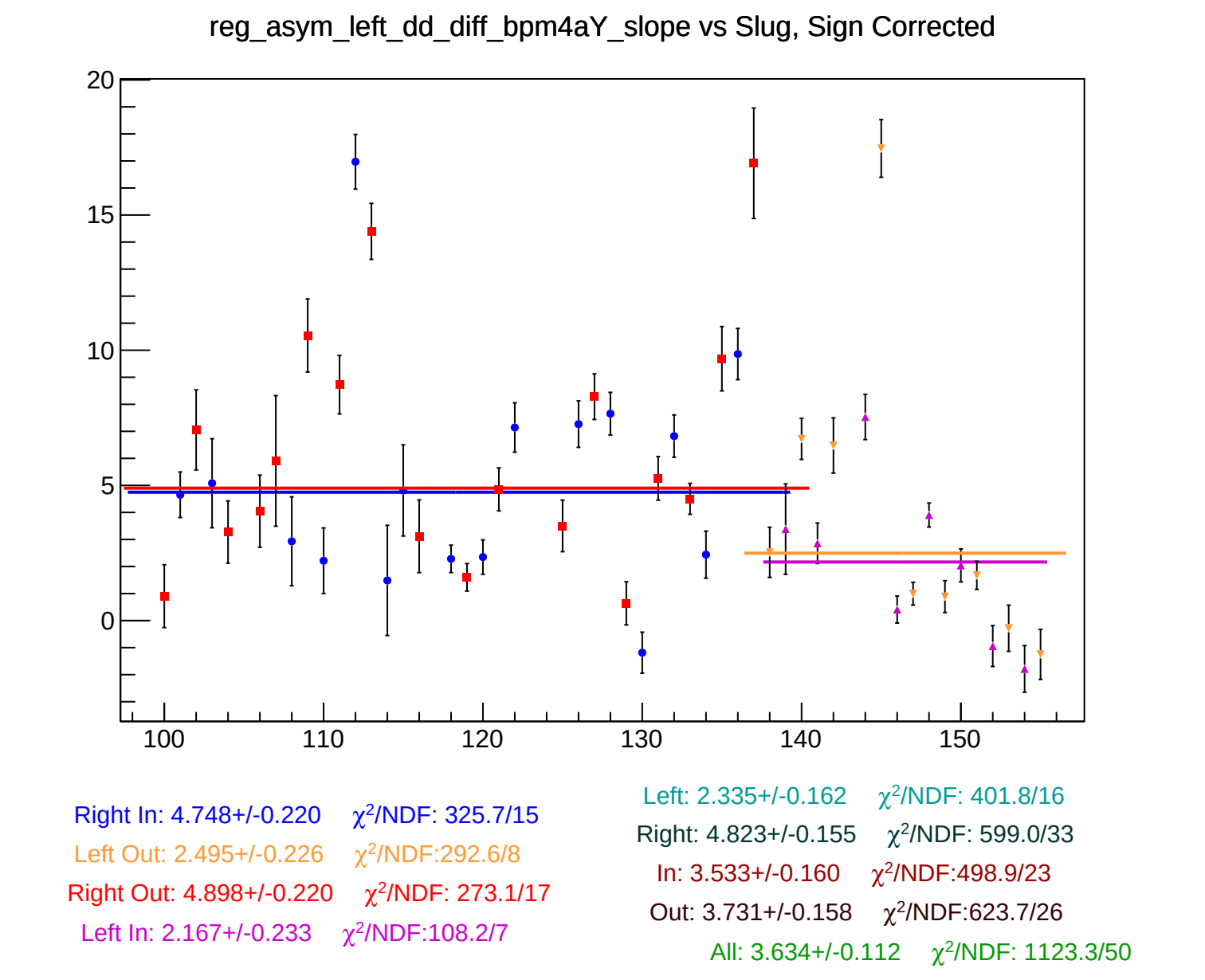
Left: -44.112+/-0.251 χ^2/NDF: 668.6/16

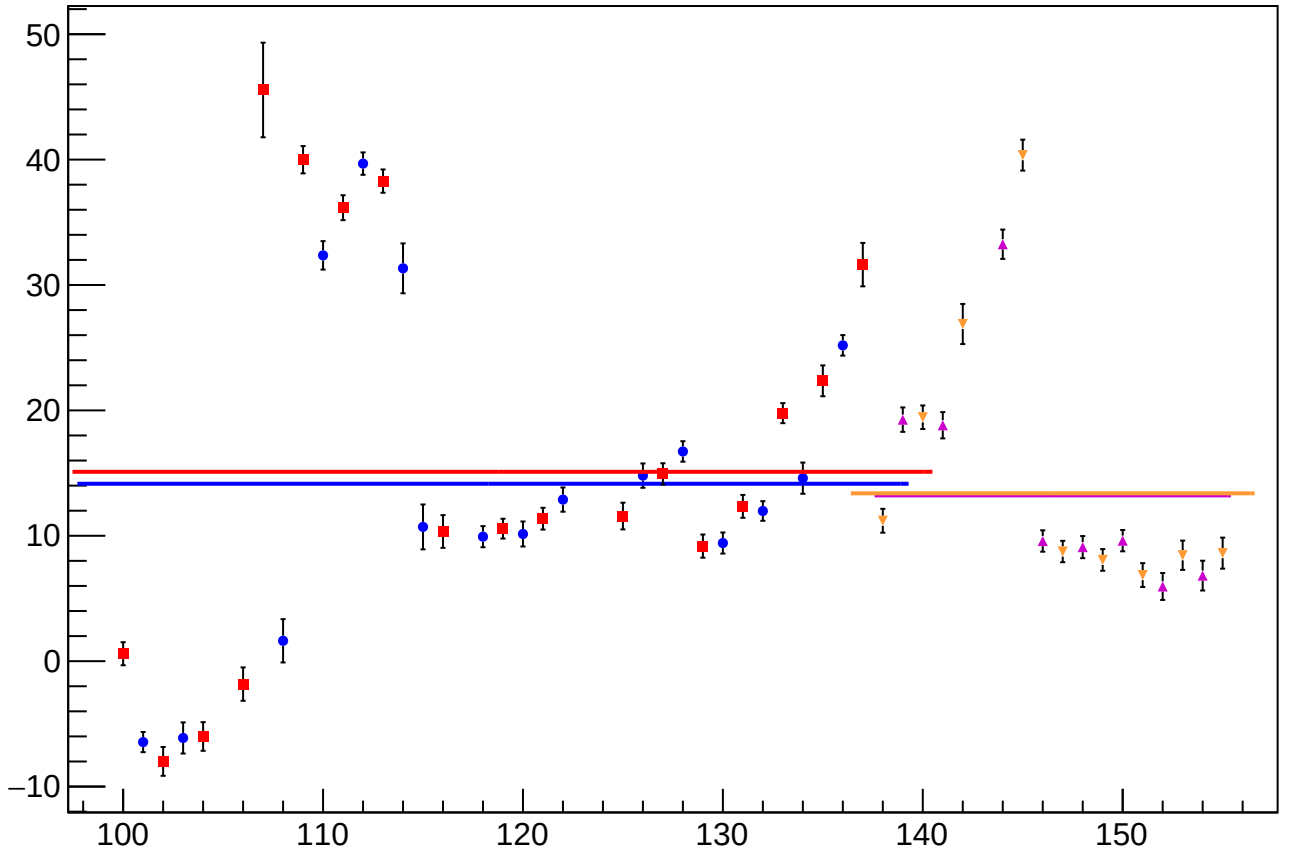
Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -36.382+/-0.186 χ^2/NDF:1832.7/23

Out: -35.927+/-0.181 χ^2/NDF:3396.4/26

All: -36.149+/-0.130 χ^2/NDF: 5232.2/50


reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
100
110
120
130
140
150
Right In: 4.748+/-0.220 χ²/NDF: 325.7/15
Left Out: 2.495+/-0.226 χ²/NDF:292.6/8
Right Out: 4.898+/-0.220 χ²/NDF: 273.1/17
Left In: 2.167+/-0.233 χ²/NDF:108.2/7
Left: 2.335+/-0.162 χ²/NDF: 401.8/16
Right: 4.823+/-0.155 χ²/NDF: 599.0/33
In: 3.533+/-0.160 χ²/NDF:498.9/23
Out: 3.731+/-0.158 χ²/NDF:623.7/26
All: 3.634+/-0.112 χ²/NDF: 1123.3/50



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 13.386+/-0.343 χ^2/NDF:742.3/8

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 13.221+/-0.347 χ^2/NDF:493.3/7

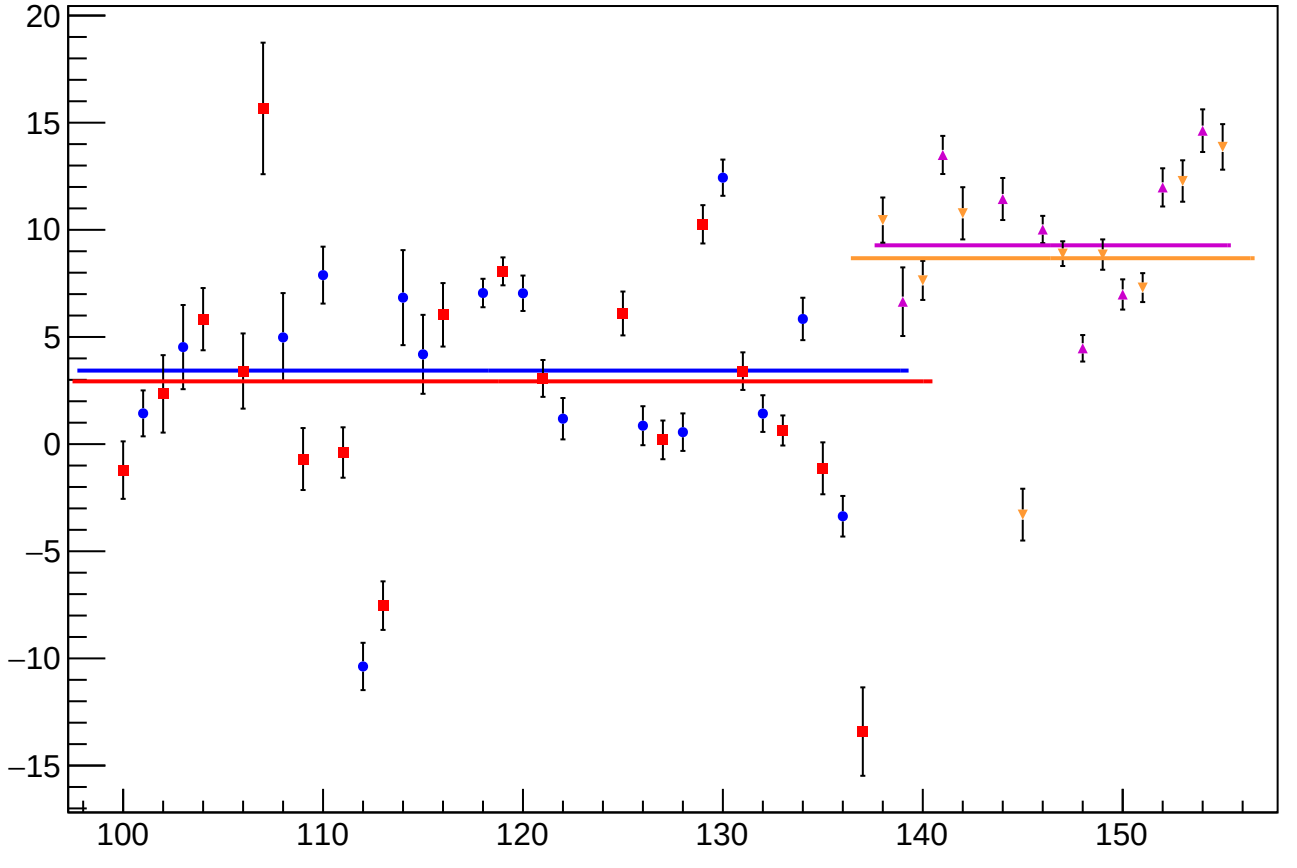
Left: 13.304+/-0.244 χ^2/NDF: 1235.7/16

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 13.836+/-0.201 χ^2/NDF:2900.4/23

Out: 14.533+/-0.198 χ^2/NDF:3861.3/26

All: 14.191+/-0.141 χ^2/NDF: 6767.8/50



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 8.675+/-0.282 χ^2/NDF:147.1/8

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.277+/-0.288 χ^2/NDF:140.4/7

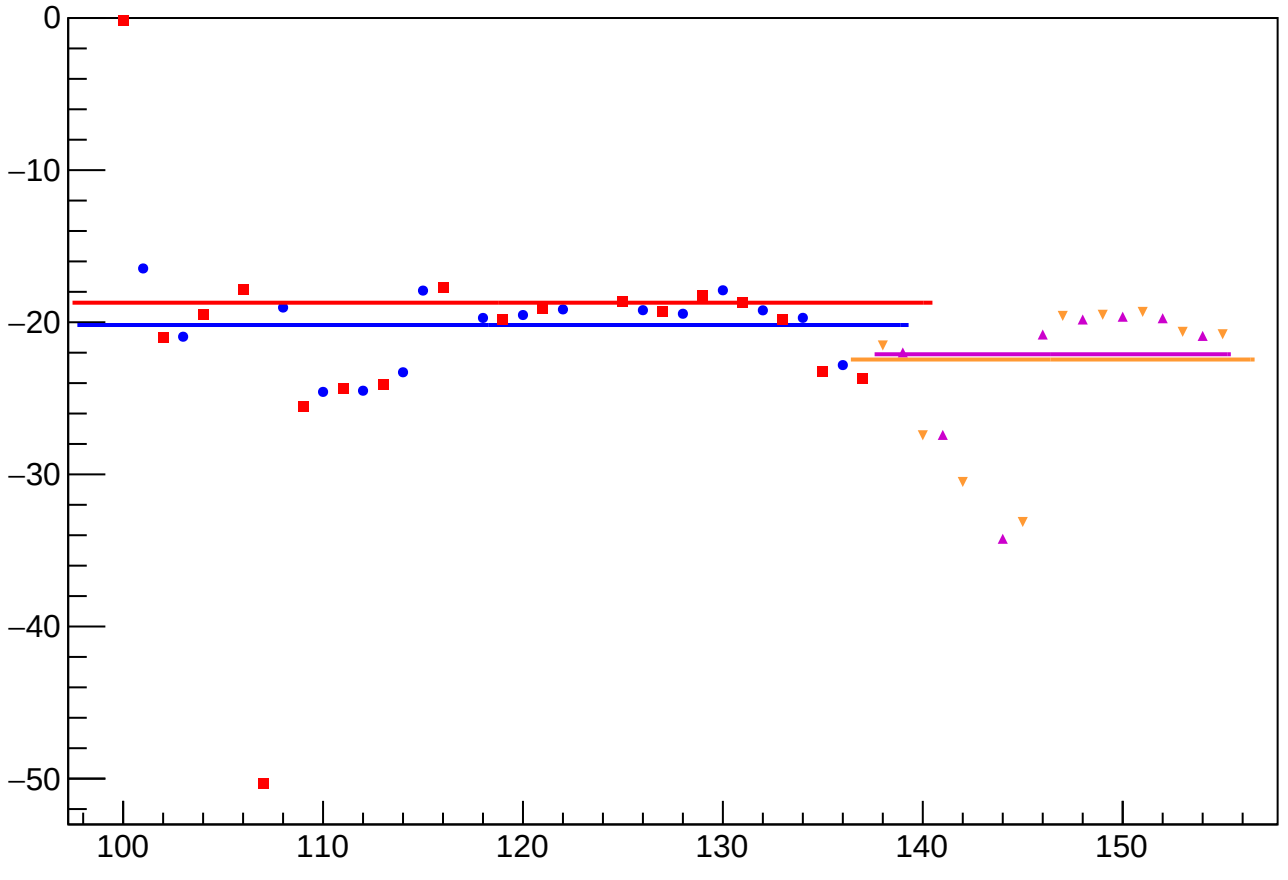
Left: 8.970+/-0.201 χ^2/NDF: 289.7/16

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 5.991+/-0.191 χ^2/NDF:795.9/23

Out: 5.499+/-0.188 χ^2/NDF:745.0/26

All: 5.742+/-0.134 χ^2/NDF: 1544.3/50



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -22.449+/-0.014 χ^2/NDF:100862.2/8

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -22.103+/-0.014 χ^2/NDF:83741.3/7

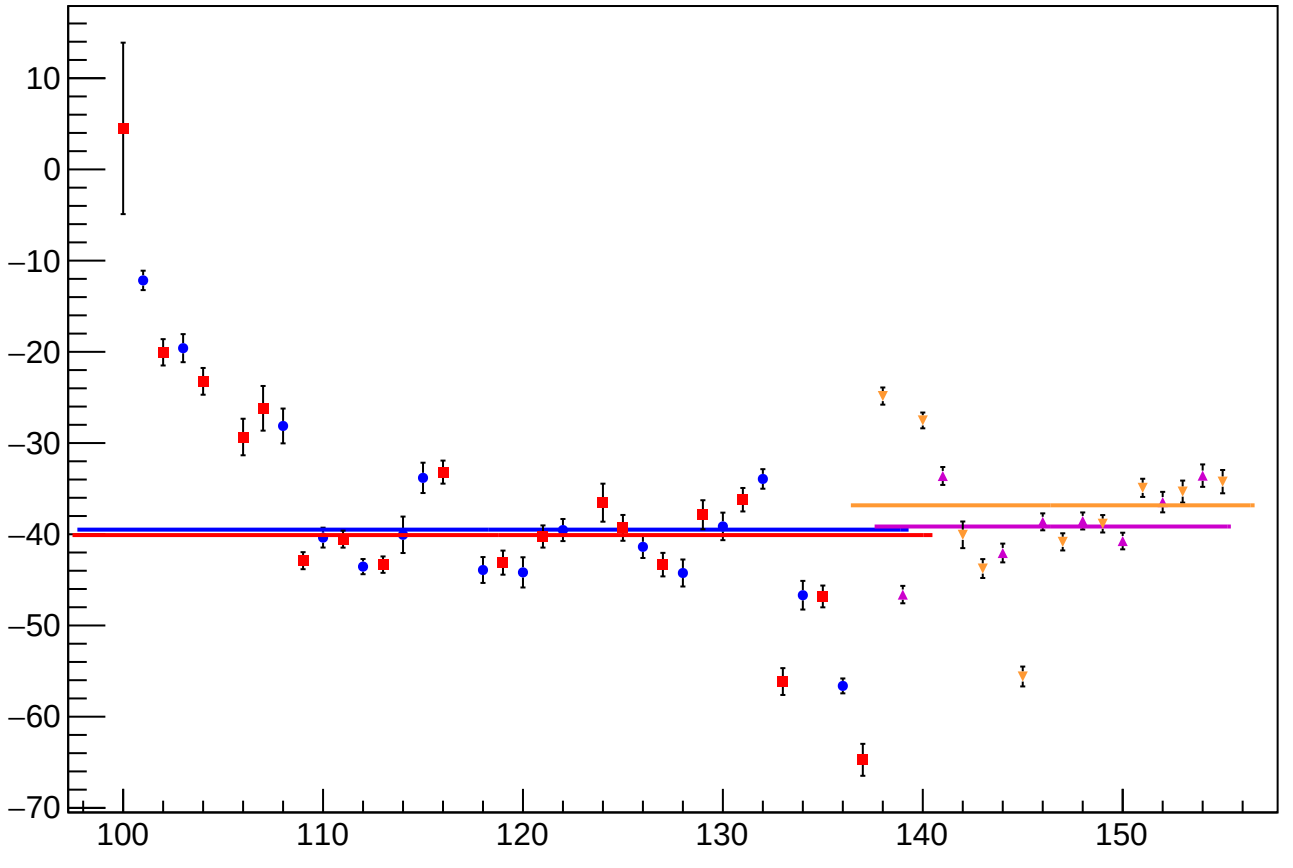
Left: -22.275+/-0.010 χ^2/NDF: 184924.1/16

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.299+/-0.010 χ^2/NDF:111949.2/23

Out: -20.814+/-0.010 χ^2/NDF:367907.3/26

All: -21.055+/-0.007 χ^2/NDF: 480956.9/50



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -36.827+/-0.329 χ^2/NDF:656.8/9

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -39.150+/-0.353 χ^2/NDF:130.9/7

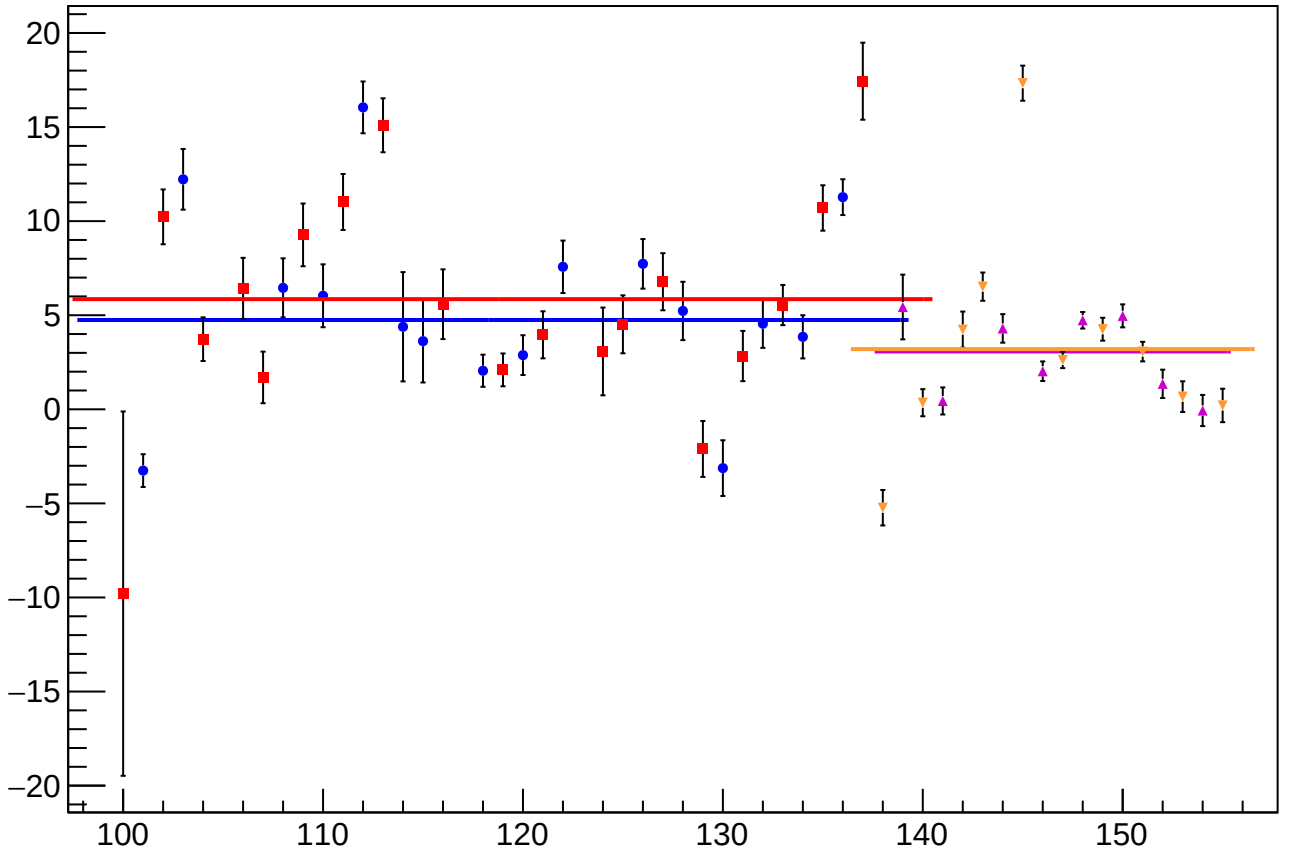
Left: -37.908+/-0.241 χ^2/NDF: 810.9/17

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.343+/-0.233 χ^2/NDF:1548.5/23

Out: -38.570+/-0.224 χ^2/NDF:1544.3/28

All: -38.942+/-0.162 χ^2/NDF: 3098.5/52


reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
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0
−5
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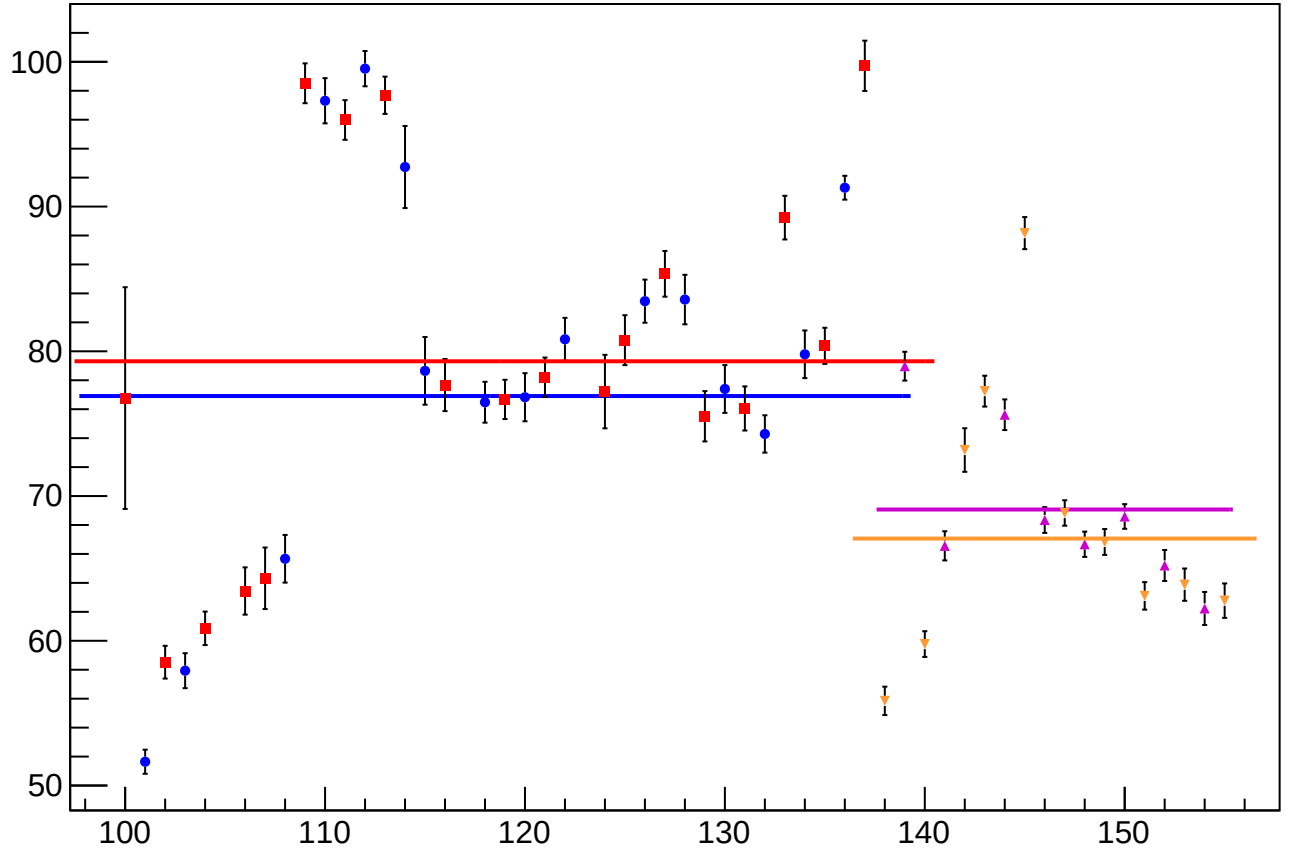
−15
−20
100
110
120
130
140
150
Right In: 4.747+/-0.316 χ²/NDF: 273.8/15
Left Out: 3.199+/-0.215 χ²/NDF:372.0/9
Right Out: 5.854+/-0.324 χ²/NDF: 187.6/18
Left In: 3.073+/-0.231 χ²/NDF:65.3/7
Left: 3.140+/-0.157 χ²/NDF: 437.5/17
Right: 5.287+/-0.226 χ²/NDF: 467.4/34
In: 3.655+/-0.186 χ²/NDF:357.5/23
Out: 4.013+/-0.179 χ²/NDF:606.2/28
All: 3.841+/-0.129 χ²/NDF: 965.6/52



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 67.062+/-0.323 χ^2/NDF:711.1/9

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 69.070+/-0.343 χ^2/NDF:200.9/7

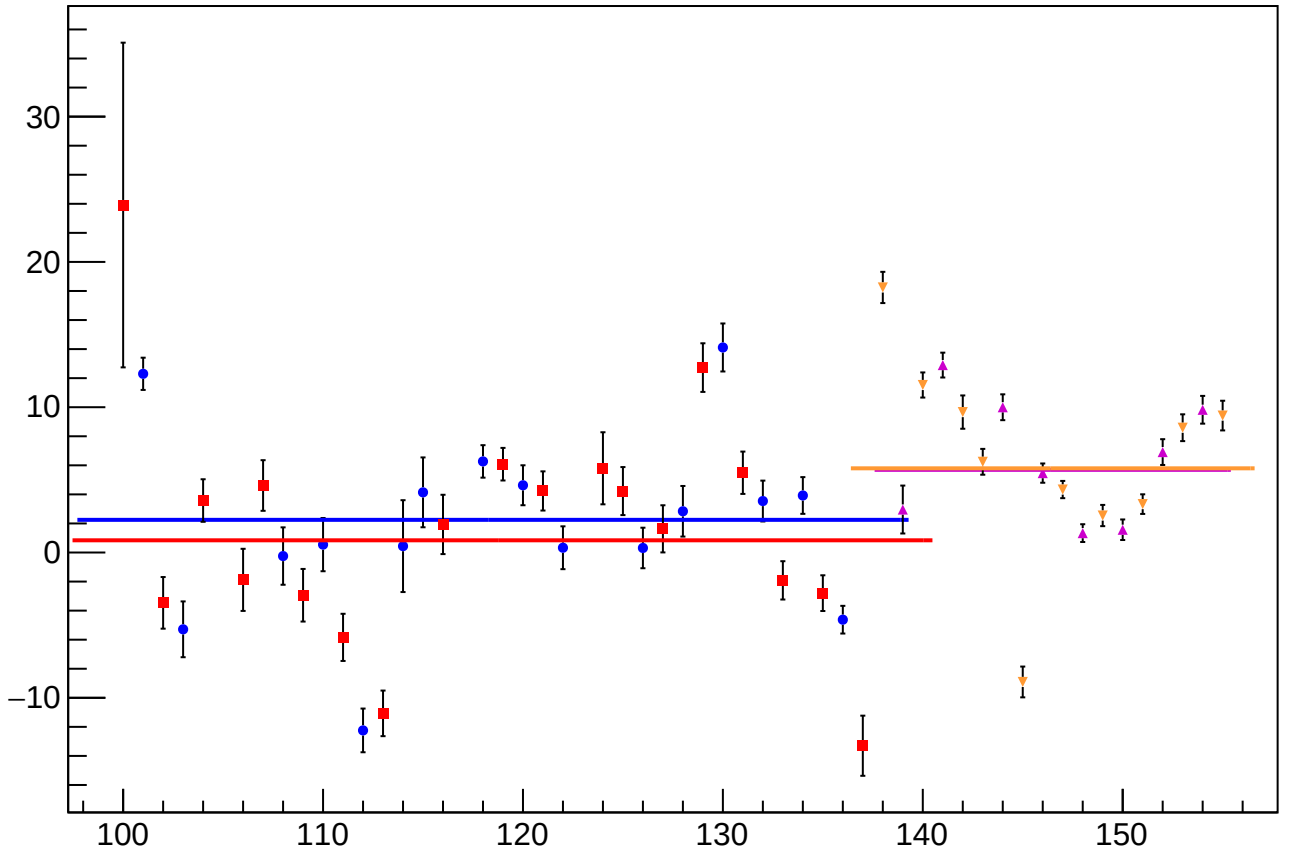
Left: 68.003+/-0.235 χ^2/NDF: 930.1/17

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 73.064+/-0.240 χ^2/NDF:2582.4/23

Out: 72.724+/-0.236 χ^2/NDF:2874.1/28

All: 72.891+/-0.169 χ^2/NDF: 5457.6/52



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 5.794+/-0.266 χ^2/NDF:443.2/9

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 5.689+/-0.285 χ^2/NDF:202.7/7

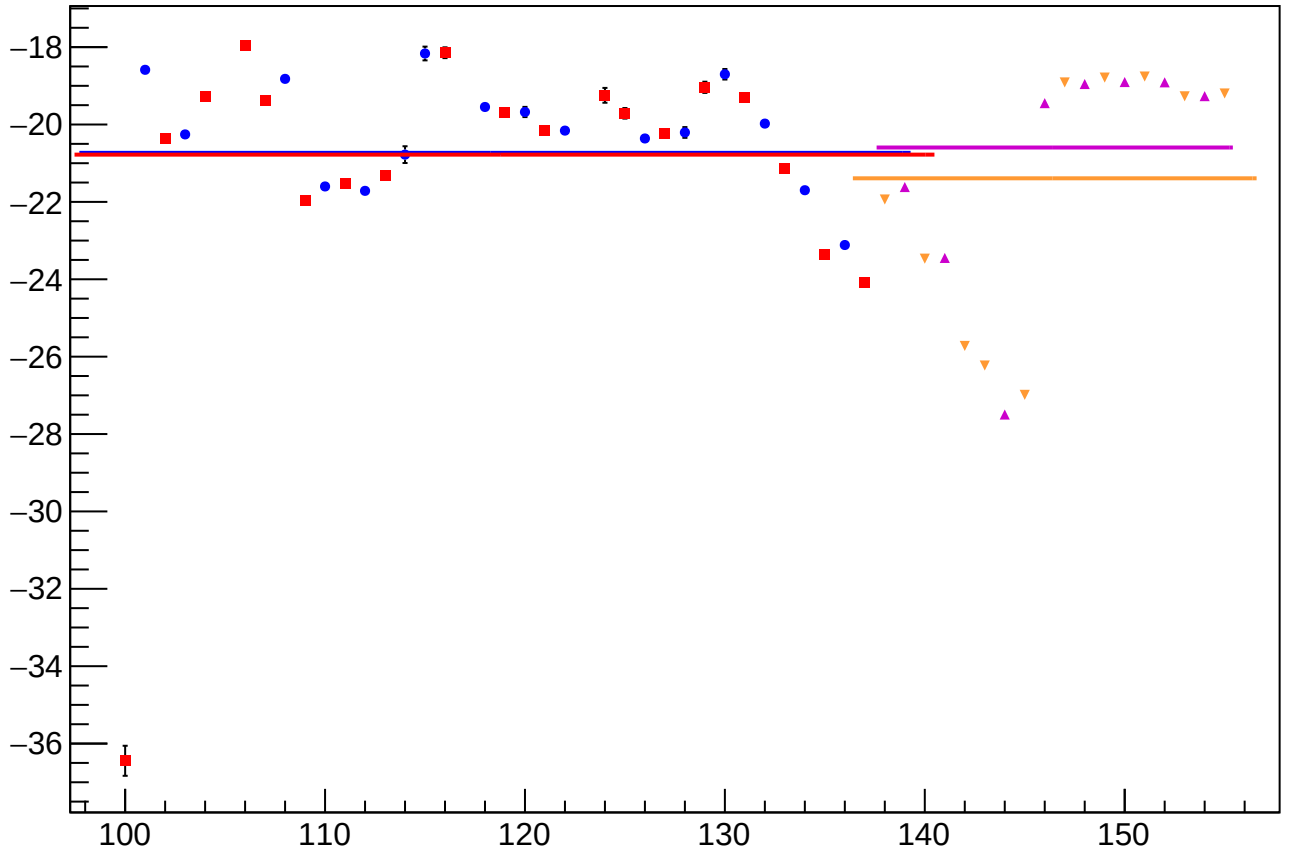
Left: 5.746+/-0.194 χ^2/NDF: 646.0/17

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 4.377+/-0.224 χ^2/NDF:577.9/23

Out: 4.121+/-0.216 χ^2/NDF:816.9/28

All: 4.244+/-0.156 χ^2/NDF: 1395.4/52



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -21.390+/-0.013 χ^2/NDF:55988.4/9

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -20.594+/-0.013 χ^2/NDF:35349.5/7

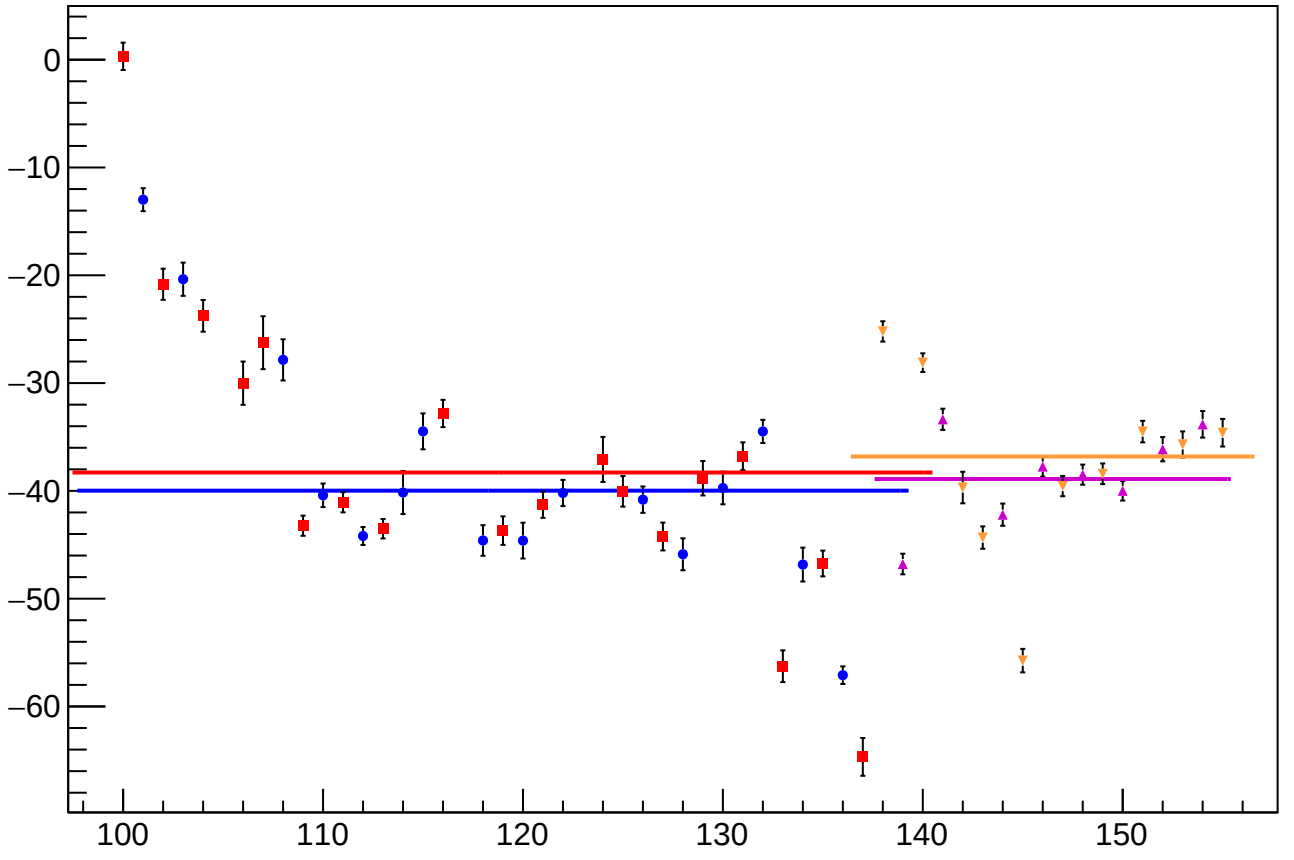
Left: -21.009+/-0.009 χ^2/NDF: 93151.7/17

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -20.639+/-0.011 χ^2/NDF:43017.7/23

Out: -21.212+/-0.011 χ^2/NDF:66066.4/28

All: -20.931+/-0.008 χ^2/NDF: 110443.8/52



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -36.810+/-0.329 χ^2/NDF:631.2/9

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -38.899+/-0.353 χ^2/NDF:136.1/7

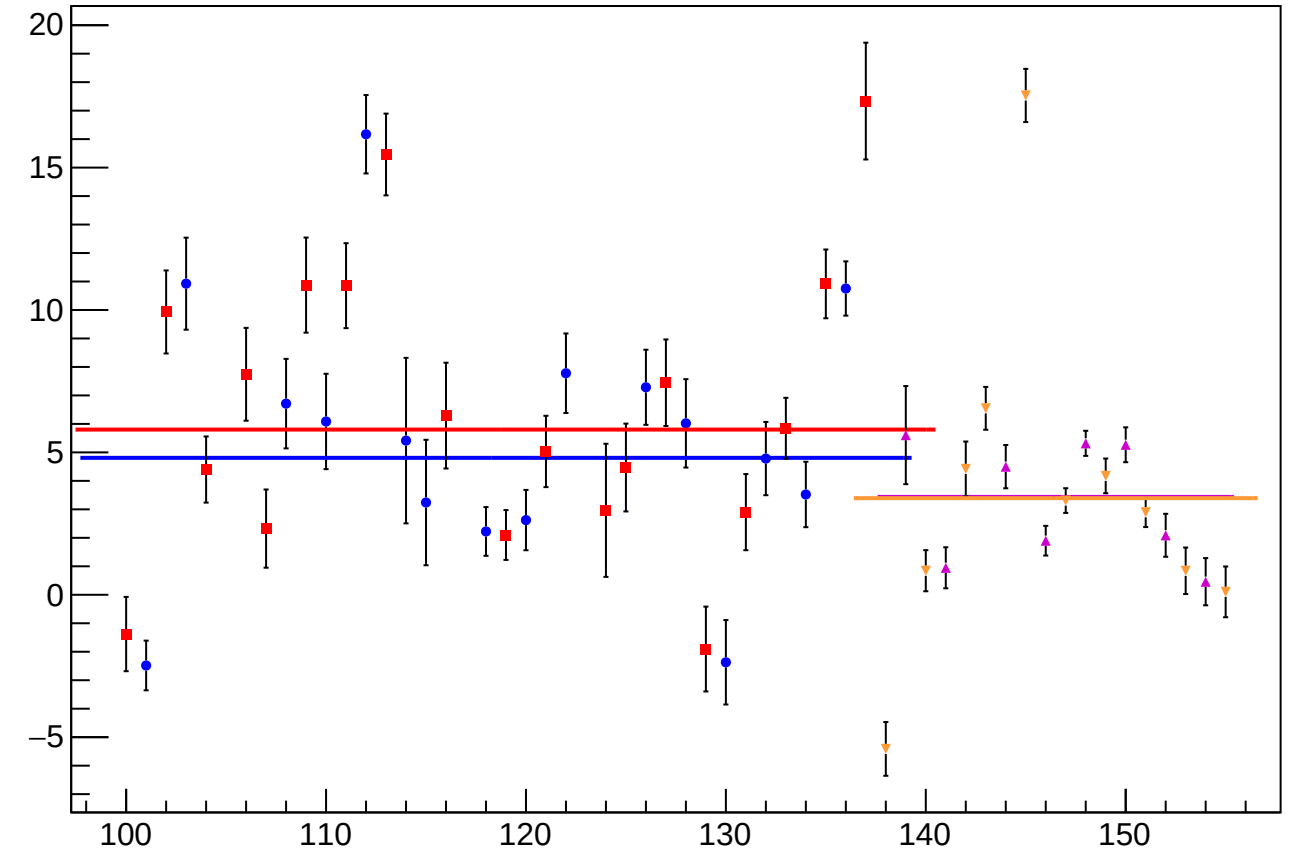
Left: -37.782+/-0.241 χ^2/NDF: 785.9/17

Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -39.508+/-0.233 χ^2/NDF:1539.7/23

Out: -37.624+/-0.221 χ^2/NDF:2416.0/28

All: -38.516+/-0.161 χ^2/NDF: 3990.1/52


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
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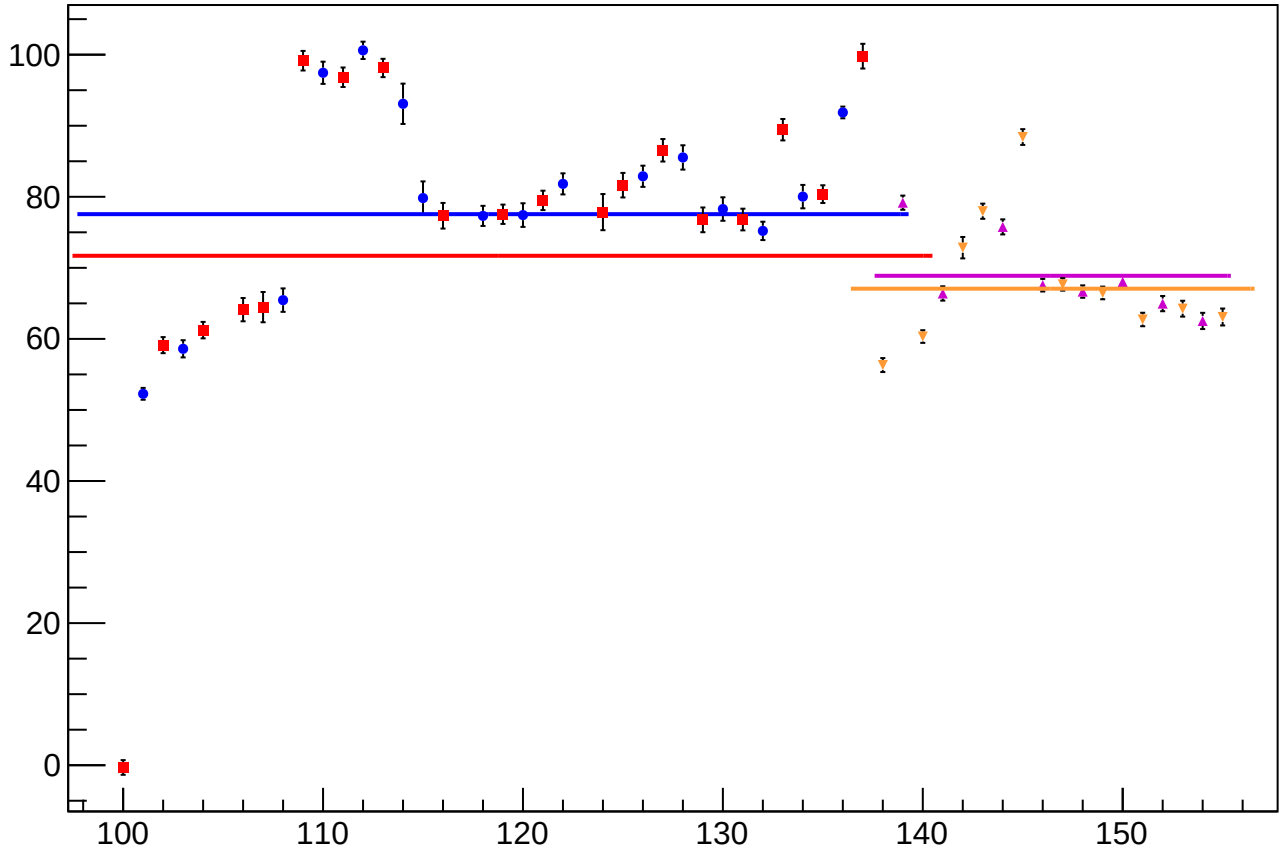
110
120
130
140
150
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 3.393+/-0.216 χ²/NDF:373.7/9
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 3.437+/-0.231 χ²/NDF:67.5/7
Left: 3.413+/-0.158 χ²/NDF: 441.1/17
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 3.914+/-0.187 χ²/NDF:320.2/23
Out: 4.161+/-0.178 χ²/NDF:629.9/28
All: 4.044+/-0.129 χ²/NDF: 951.0/52



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 67.067+/-0.323 χ^2/NDF:704.9/9

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 68.881+/-0.344 χ^2/NDF:208.5/7

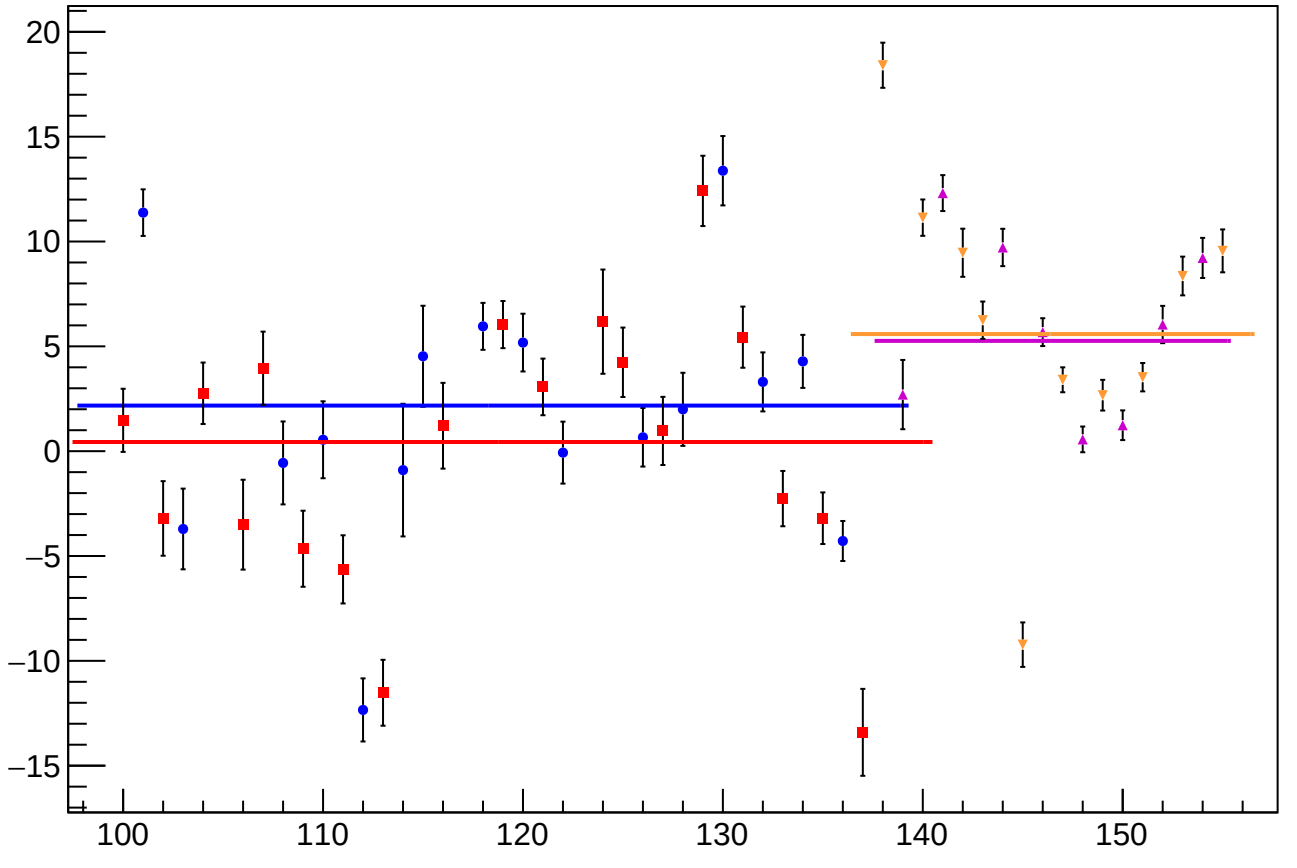
Left: 67.917+/-0.235 χ^2/NDF: 928.2/17

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 73.301+/-0.241 χ^2/NDF:2650.8/23

Out: 69.330+/-0.231 χ^2/NDF:7708.9/28

All: 71.233+/-0.167 χ^2/NDF: 10501.3/52



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 5.586+/-0.266 χ^2/NDF:452.4/9

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 5.261+/-0.285 χ^2/NDF:204.4/7

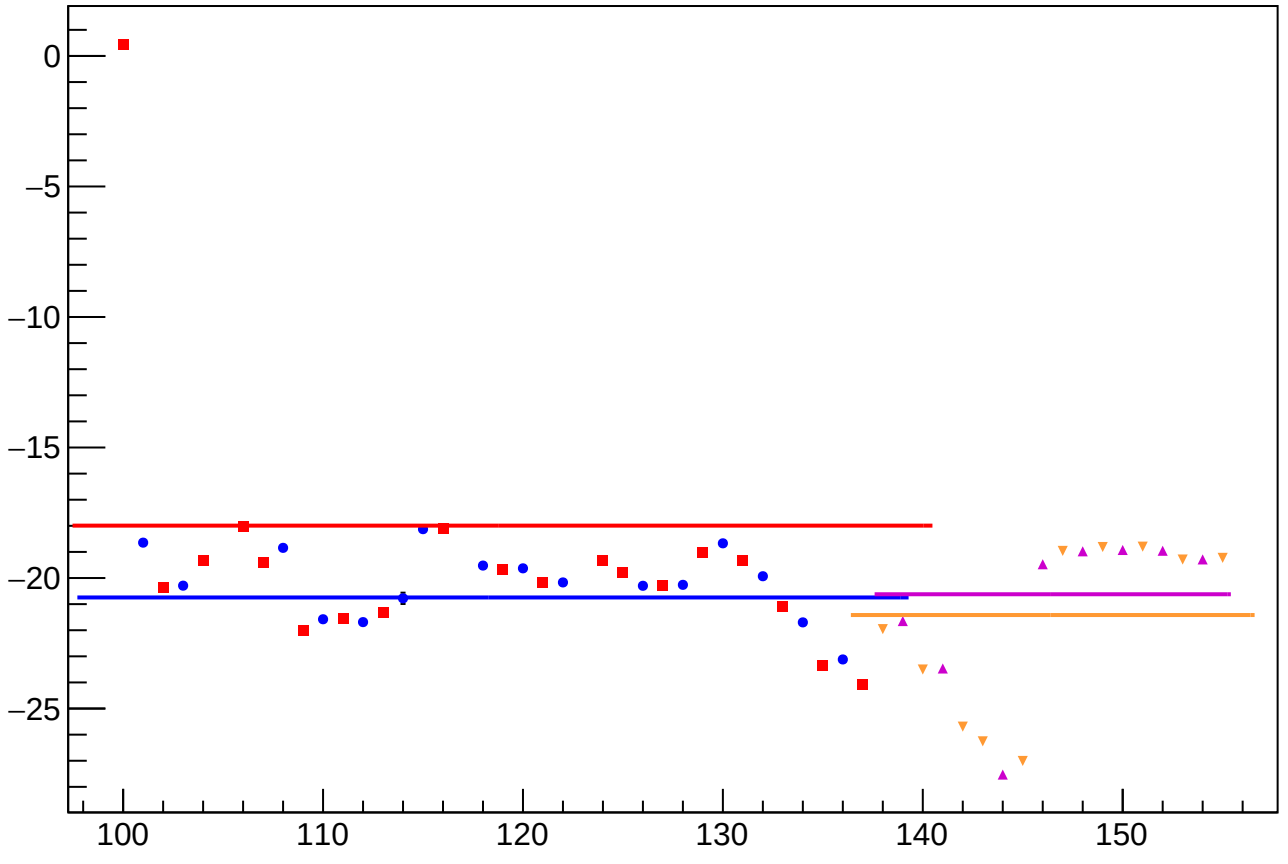
Left: 5.435+/-0.195 χ^2/NDF: 657.5/17

Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 4.084+/-0.225 χ^2/NDF:539.2/23

Out: 3.779+/-0.214 χ^2/NDF:837.8/28

All: 3.924+/-0.155 χ^2/NDF: 1378.0/52



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -21.418+/-0.013 χ^2/NDF:55585.1/9

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -20.622+/-0.014 χ^2/NDF:35242.7/7

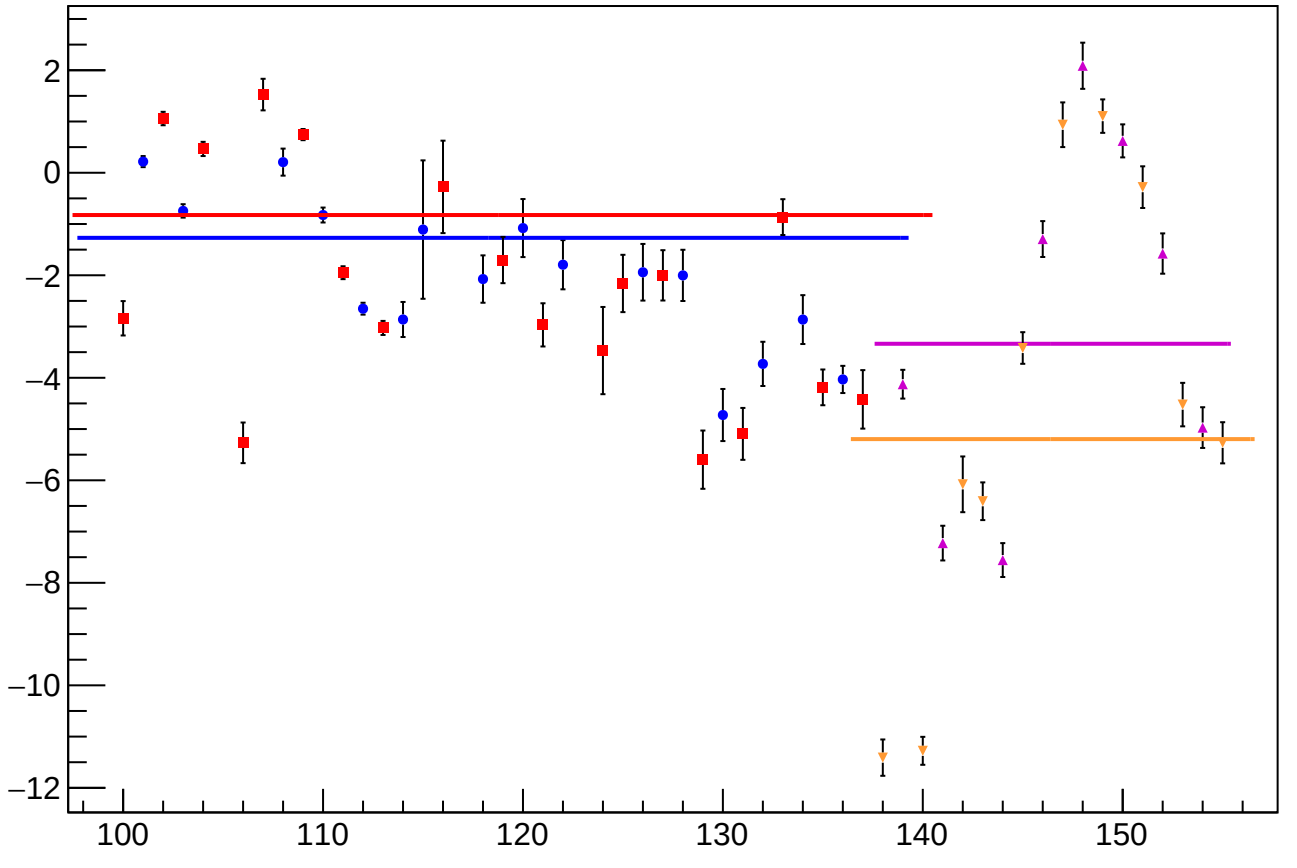
Left: -21.036+/-0.009 χ^2/NDF: 92635.5/17

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -20.662+/-0.011 χ^2/NDF:42783.2/23

Out: -20.321+/-0.011 χ^2/NDF:228534.3/28

All: -20.485+/-0.008 χ^2/NDF: 271806.8/52



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.196+/-0.115 χ^2/NDF:1570.5/9

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -3.336+/-0.123 χ^2/NDF:669.6/7

Left: -4.326+/-0.084 χ^2/NDF: 2361.8/17

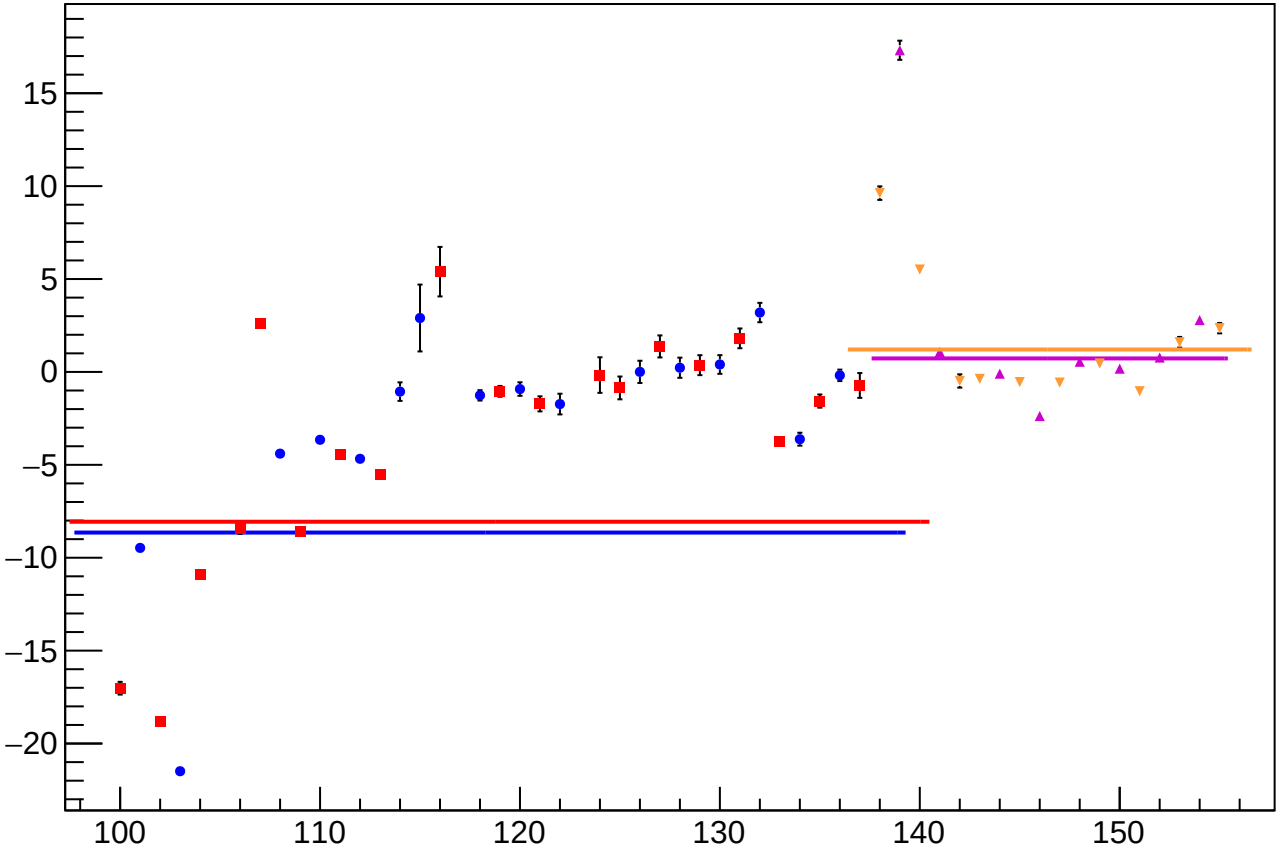
Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.609+/-0.050 χ^2/NDF:1522.1/23

Out: -1.540+/-0.047 χ^2/NDF:4155.6/28

All: -1.572+/-0.034 χ^2/NDF: 5678.8/52

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: 1.207+/-0.080 χ^2/NDF:1195.4/9

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.726+/-0.088 χ^2/NDF:1328.6/7

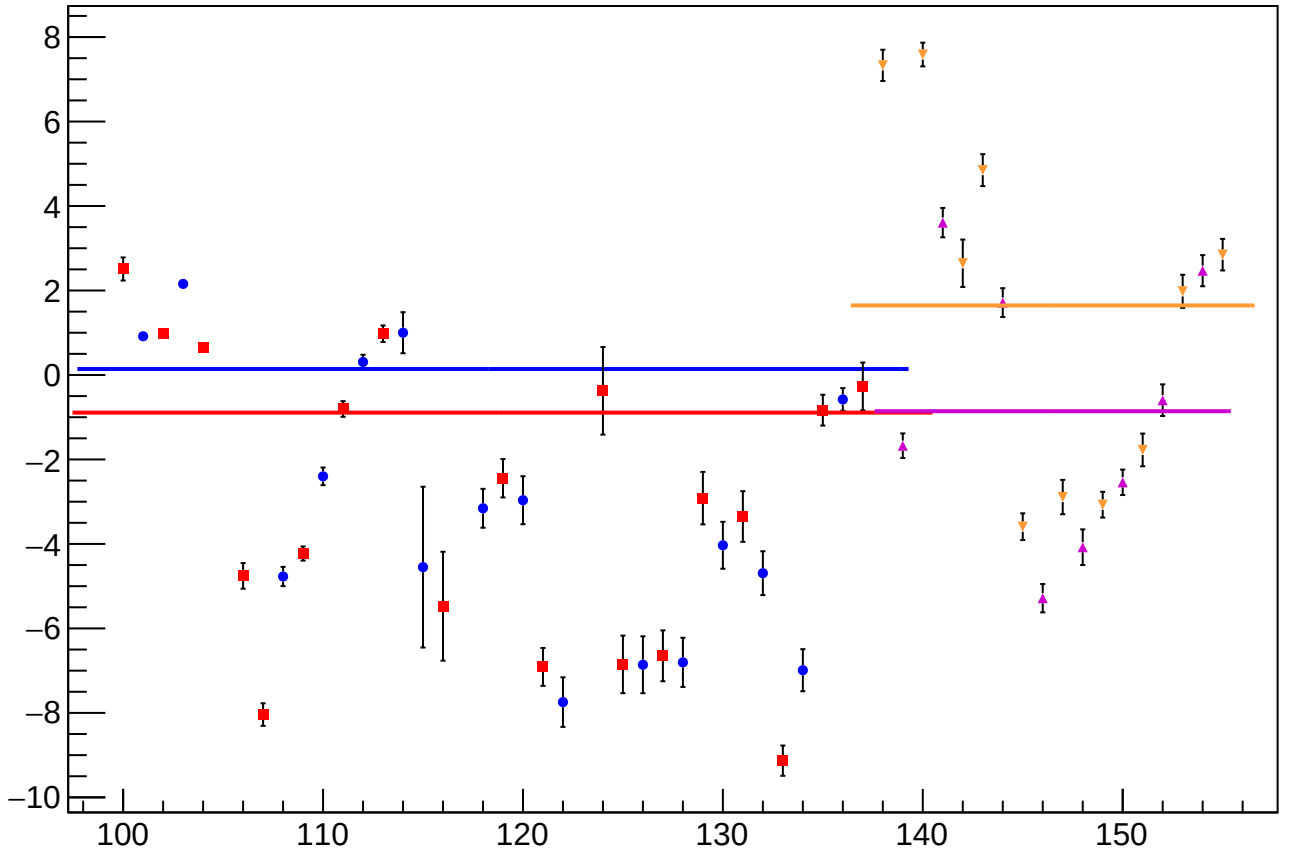
Left: 0.988+/-0.059 χ^2/NDF: 2540.2/17

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -5.880+/-0.048 χ^2/NDF:23149.7/23

Out: -4.930+/-0.047 χ^2/NDF:24405.7/28

All: -5.395+/-0.033 χ^2/NDF: 47757.0/52



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.646+/-0.114 χ^2/NDF:1485.8/9

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: -0.857+/-0.121 χ^2/NDF:575.0/7

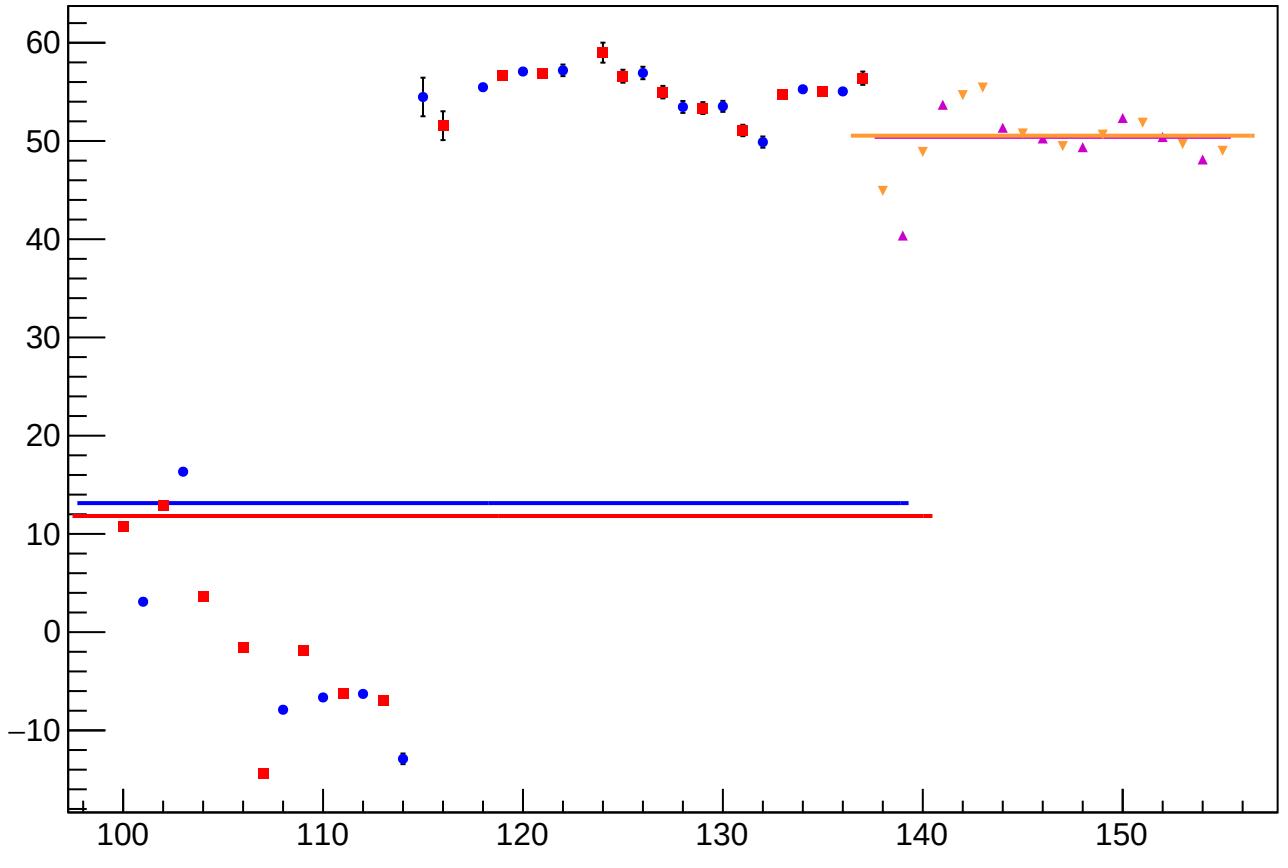
Left: 0.468+/-0.083 χ^2/NDF: 2288.6/17

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: -0.020+/-0.048 χ^2/NDF:2592.2/23

Out: -0.430+/-0.049 χ^2/NDF:4878.5/28

All: -0.225+/-0.034 χ^2/NDF: 7506.4/52



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.540+/-0.097 χ^2/NDF:623.0/9

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.422+/-0.105 χ^2/NDF:671.7/7

Left: 50.486+/-0.071 χ^2/NDF: 1295.4/17

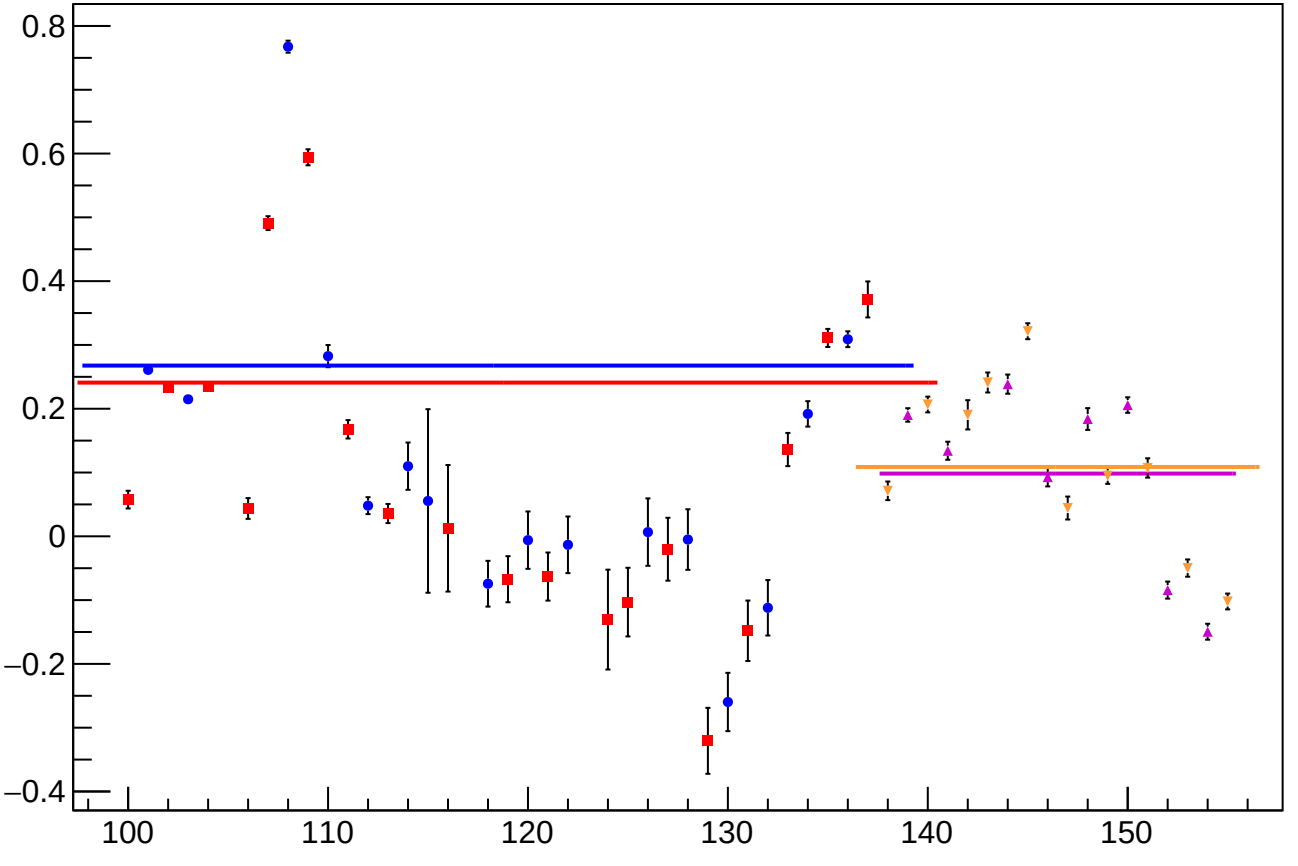
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 24.084+/-0.057 χ^2/NDF:197674.9/23

Out: 24.537+/-0.056 χ^2/NDF:225734.4/28

All: 24.317+/-0.040 χ^2/NDF: 423441.6/52

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.109+/-0.005 χ^2/NDF:883.2/9

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.098+/-0.005 χ^2/NDF:852.3/7

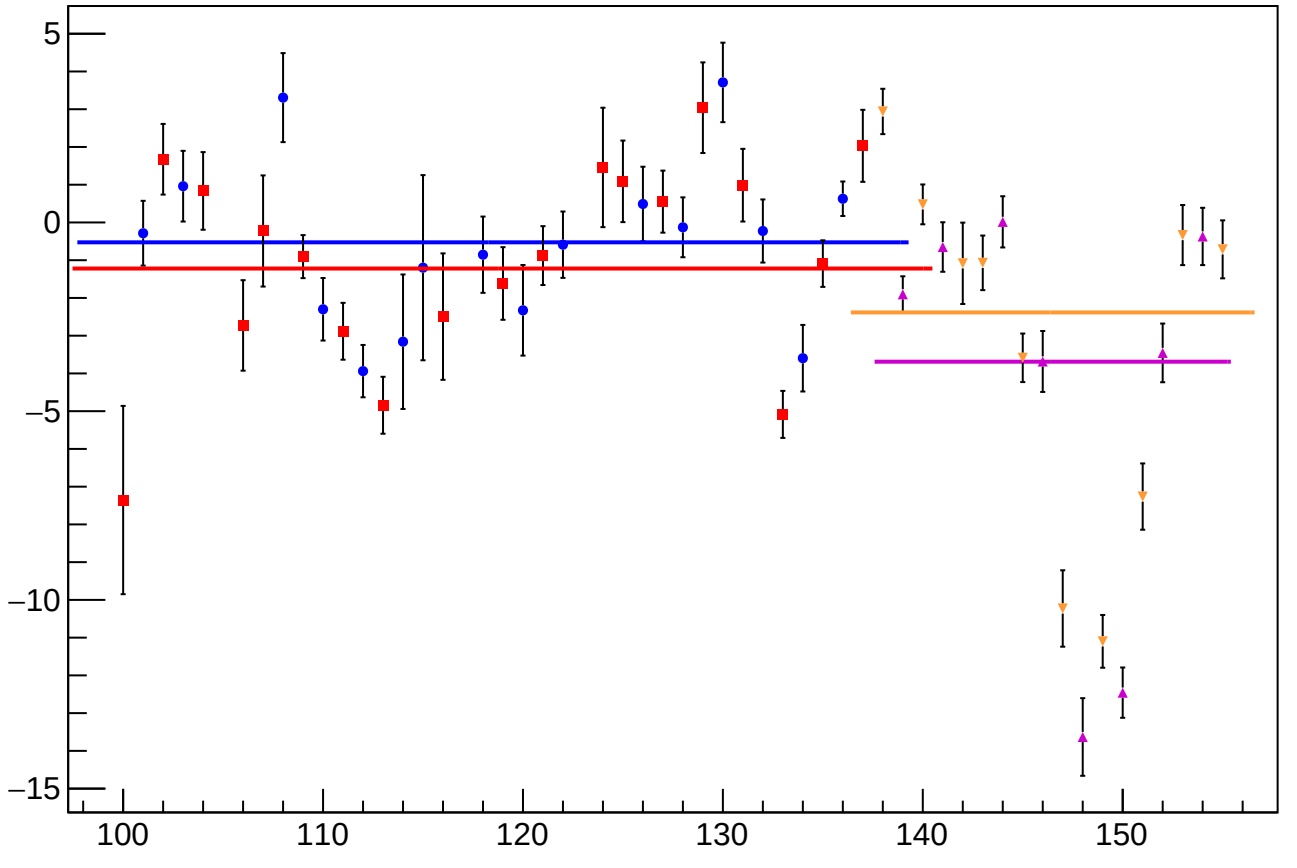
Left: 0.104+/-0.003 χ^2/NDF: 1738.0/17

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.224+/-0.002 χ^2/NDF:5530.5/23

Out: 0.205+/-0.002 χ^2/NDF:3849.8/28

All: 0.214+/-0.002 χ^2/NDF: 9410.1/52



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -2.384+/-0.229 χ^2/NDF:374.0/9

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -3.689+/-0.242 χ^2/NDF:351.2/7

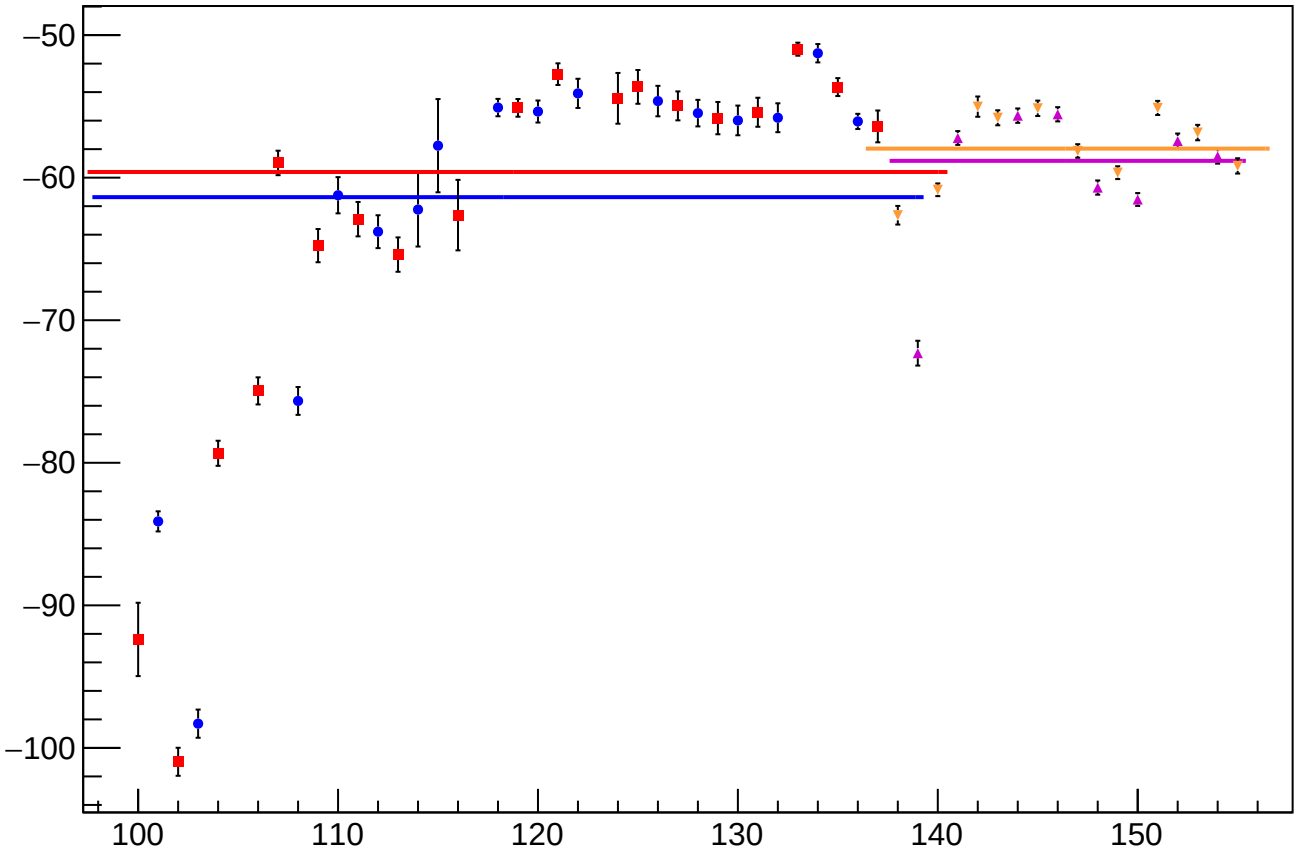
Left: -2.998+/-0.166 χ^2/NDF: 740.5/17

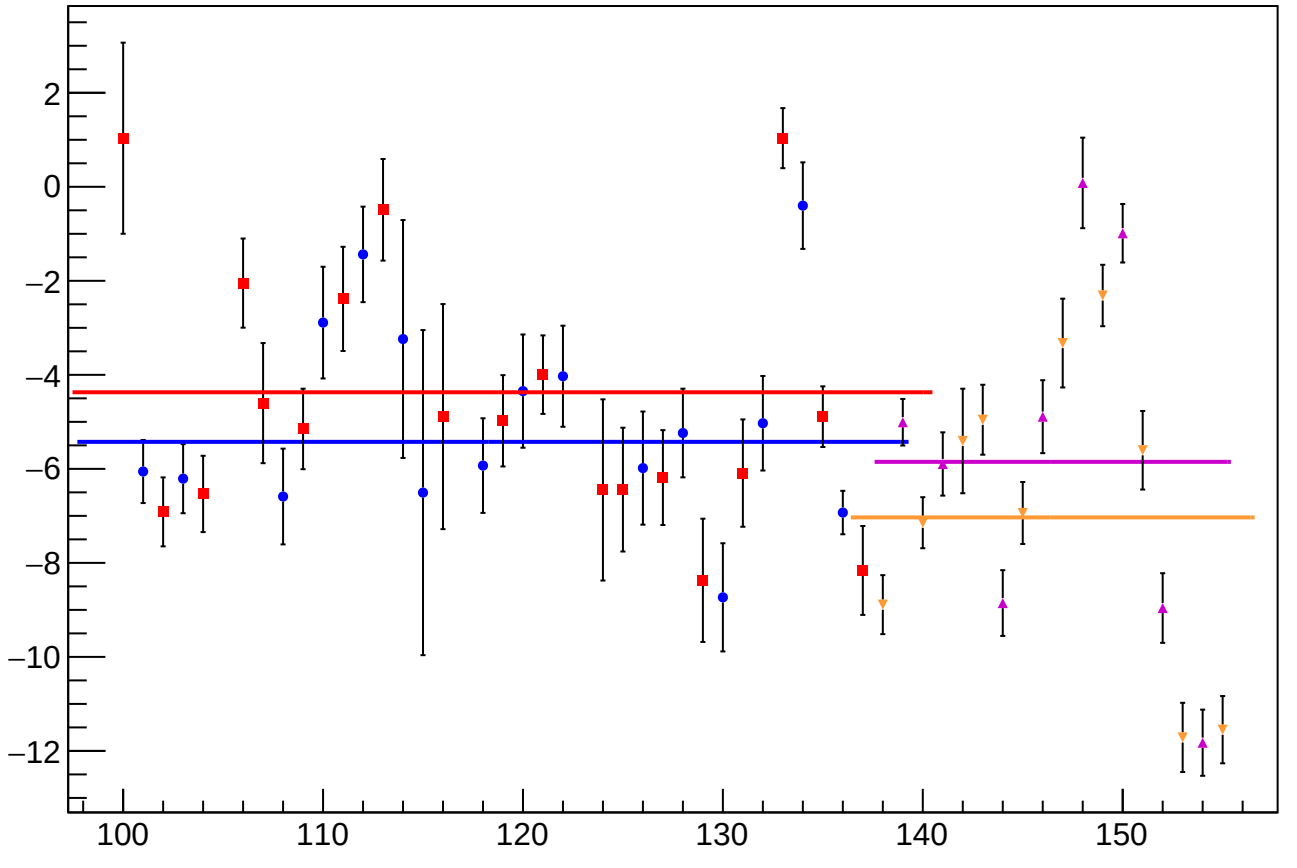
Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.934+/-0.162 χ^2/NDF:528.4/23

Out: -1.738+/-0.152 χ^2/NDF:519.3/28

All: -1.830+/-0.111 χ^2/NDF: 1048.4/52


reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
Right In: -61.367+/-0.219 χ²/NDF: 3351.2/15
Left Out: -57.963+/-0.165 χ²/NDF:210.9/9
Right Out: -59.601+/-0.207 χ²/NDF: 3421.3/18
Left In: -58.821+/-0.183 χ²/NDF:390.6/7
Left: -58.348+/-0.123 χ²/NDF: 613.7/17
Right: -60.433+/-0.150 χ²/NDF: 6806.9/34
In: -59.867+/-0.140 χ²/NDF:3821.4/23
Out: -58.602+/-0.129 χ²/NDF:3670.6/28
All: -59.181+/-0.095 χ²/NDF: 7536.1/52



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -7.032+/-0.226 χ^2/NDF:169.6/9

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -5.851+/-0.239 χ^2/NDF:211.6/7

Left: -6.474+/-0.164 χ^2/NDF: 394.0/17

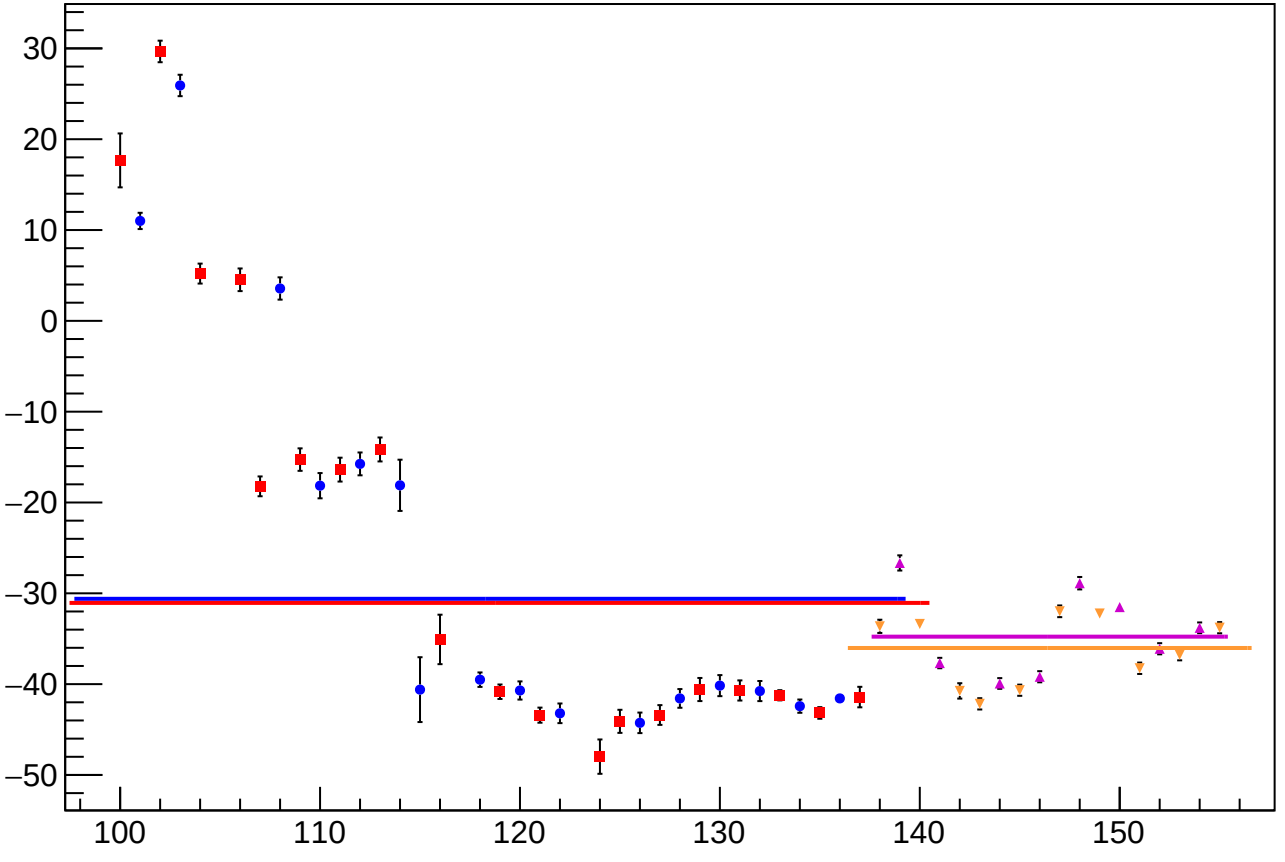
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -5.630+/-0.166 χ^2/NDF:289.2/23

Out: -5.680+/-0.159 χ^2/NDF:396.6/28

All: -5.656+/-0.115 χ^2/NDF: 685.8/52

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -36.020+/-0.197 χ^2/NDF:337.8/9

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -34.772+/-0.216 χ^2/NDF:368.7/7

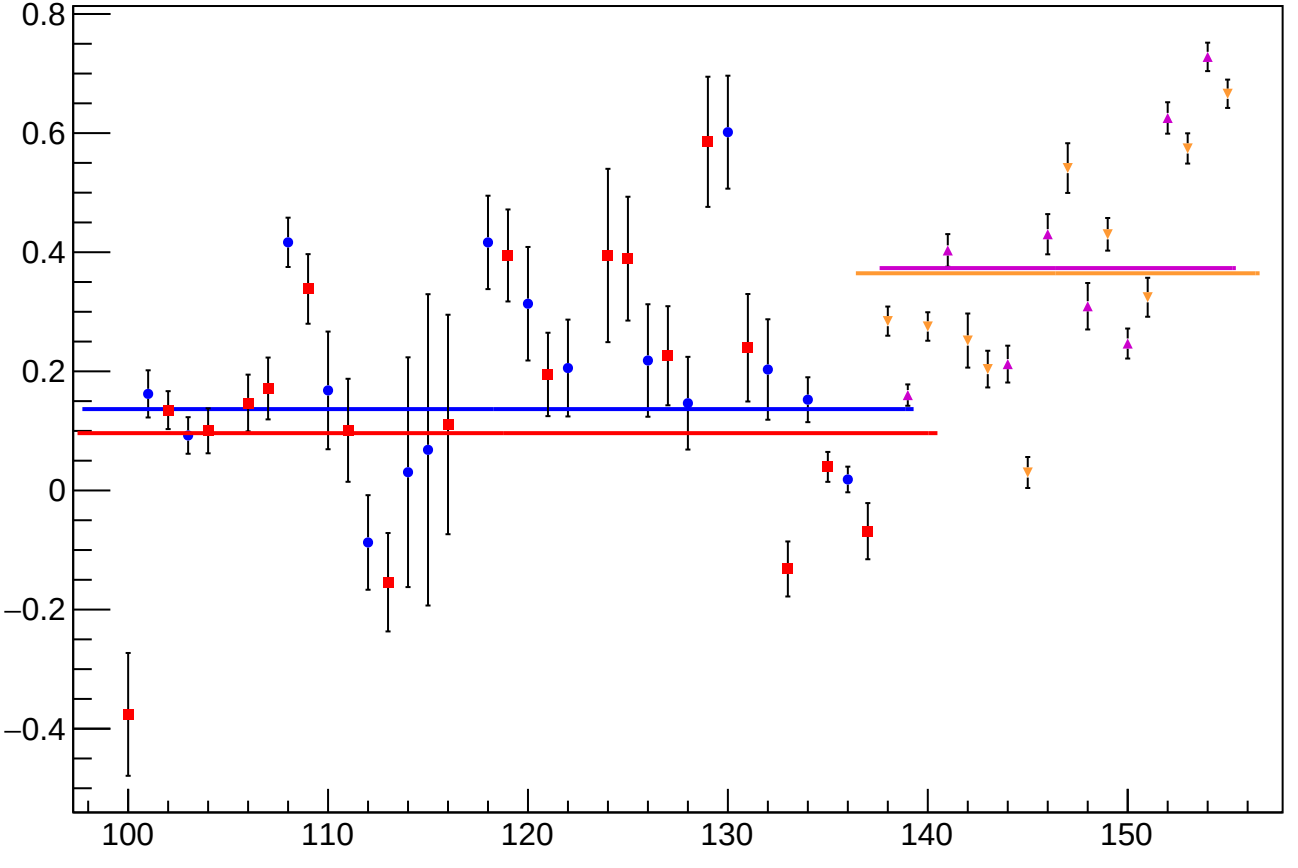
Left: -35.454+/-0.146 χ^2/NDF: 724.6/17

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -32.982+/-0.163 χ^2/NDF:7465.9/23

Out: -33.998+/-0.152 χ^2/NDF:7572.6/28

All: -33.527+/-0.111 χ^2/NDF: 15059.2/52



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.365+/-0.009 χ^2/NDF:477.3/9

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.373+/-0.009 χ^2/NDF:512.5/7

Left: 0.369+/-0.006 χ^2/NDF: 990.3/17

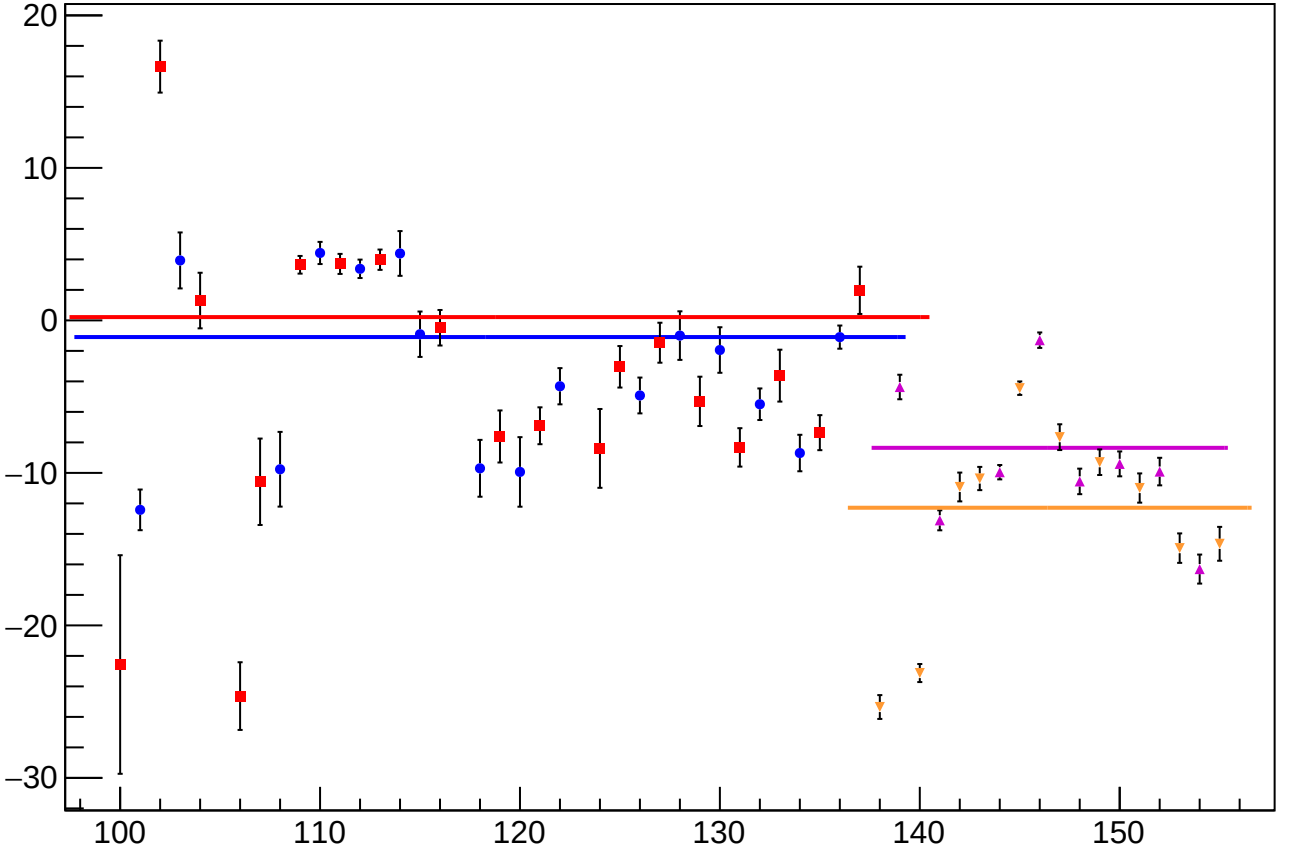
Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.290+/-0.007 χ^2/NDF:874.2/23

Out: 0.273+/-0.007 χ^2/NDF:935.9/28

All: 0.281+/-0.005 χ^2/NDF: 1813.0/52

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.285+/-0.234 χ^2/NDF:994.7/9

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -8.356+/-0.239 χ^2/NDF:364.2/7

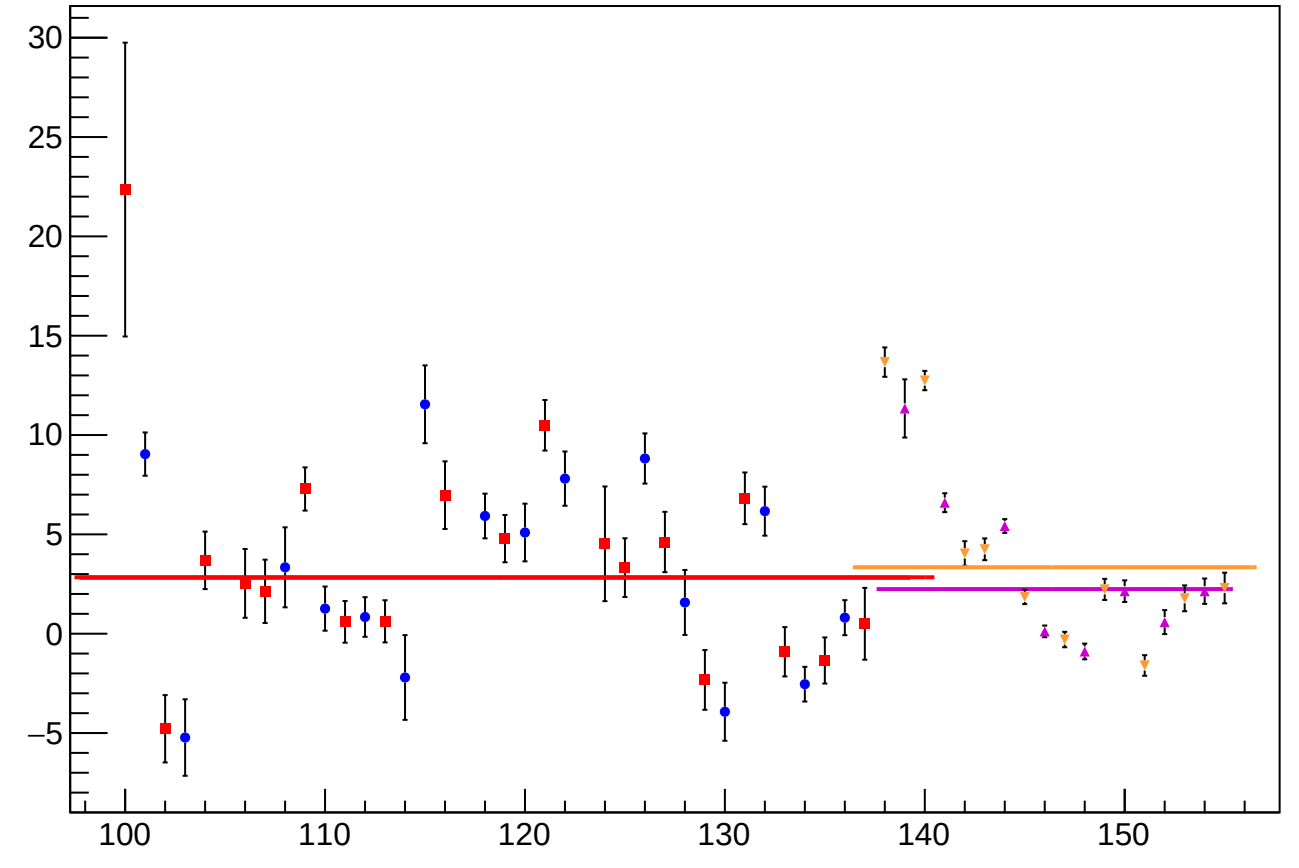
Left: -10.360+/-0.167 χ^2/NDF: 1496.9/17

Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -5.304+/-0.182 χ^2/NDF:1084.8/23

Out: -6.833+/-0.176 χ^2/NDF:2759.2/28

All: -6.095+/-0.126 χ^2/NDF: 3880.5/52



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.344+/-0.163 χ^2/NDF:780.2/9

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 2.245+/-0.159 χ^2/NDF:329.0/7

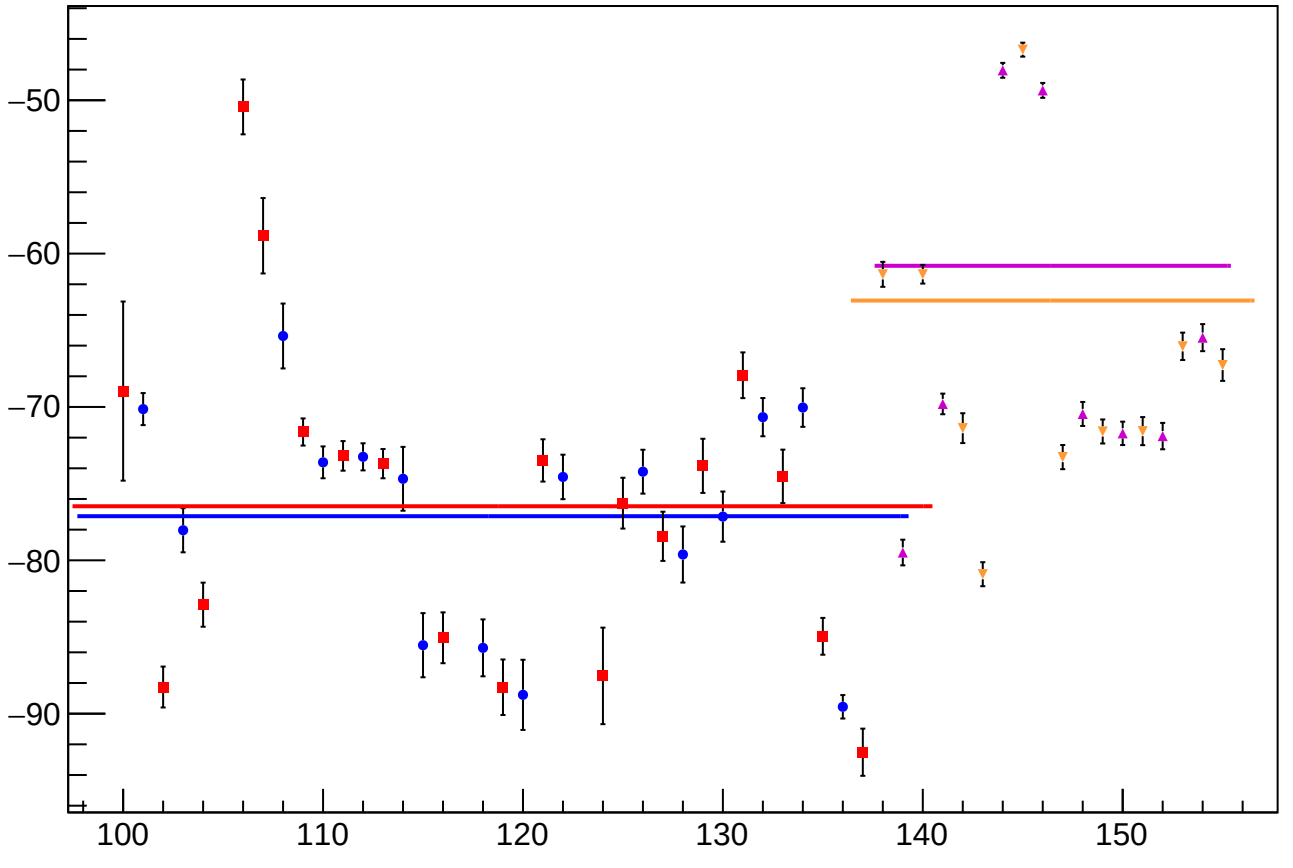
Left: 2.780+/-0.114 χ^2/NDF: 1132.5/17

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 2.363+/-0.142 χ^2/NDF:531.3/23

Out: 3.241+/-0.145 χ^2/NDF:927.1/28

All: 2.790+/-0.101 χ^2/NDF: 1477.1/52



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -63.061+/-0.234 χ^2/NDF:2294.5/9

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -60.795+/-0.235 χ^2/NDF:2470.0/7

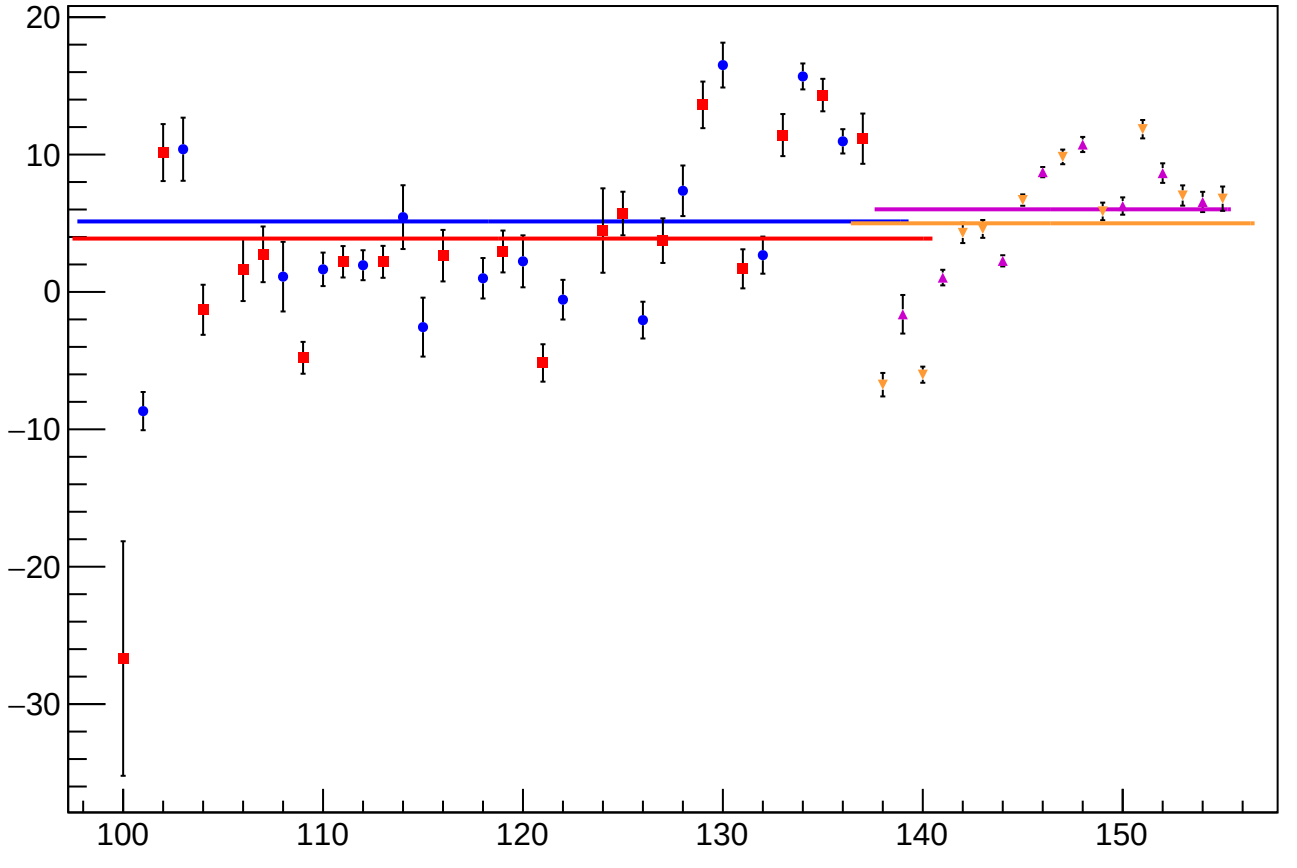
Left: -61.936+/-0.166 χ^2/NDF: 4811.2/17

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -66.379+/-0.191 χ^2/NDF:4621.1/23

Out: -67.566+/-0.190 χ^2/NDF:4097.8/28

All: -66.974+/-0.135 χ^2/NDF: 8738.3/52



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.996+/-0.198 χ^2/NDF:760.3/9

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 6.013+/-0.194 χ^2/NDF:331.7/7

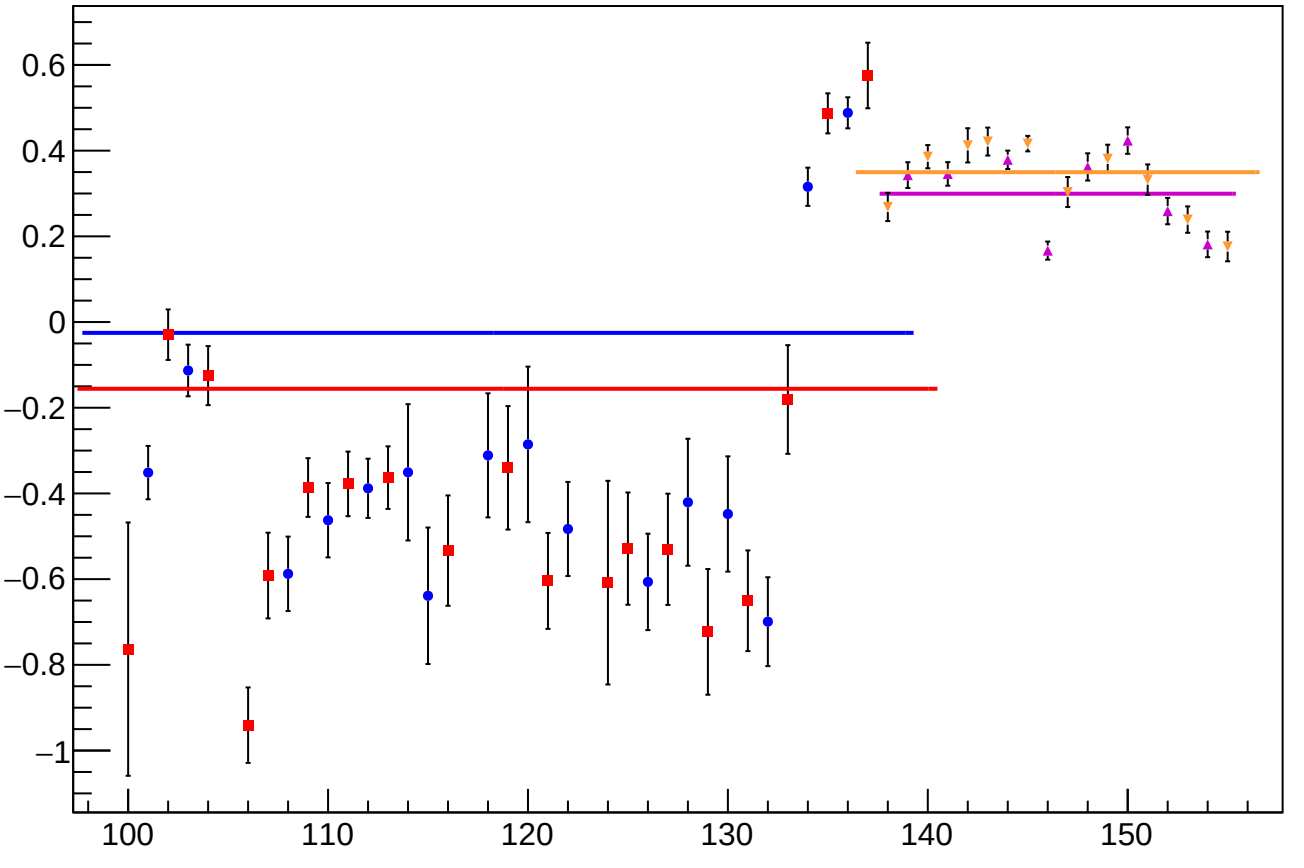
Left: 5.513+/-0.139 χ^2/NDF: 1105.5/17

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 5.806+/-0.170 χ^2/NDF:748.9/23

Out: 4.740+/-0.173 χ^2/NDF:1059.0/28

All: 5.284+/-0.121 χ^2/NDF: 1827.2/52



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.350+/-0.009 χ^2/NDF:69.7/9

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.300+/-0.010 χ^2/NDF:95.3/7

Left: 0.325+/-0.007 χ^2/NDF: 179.1/17

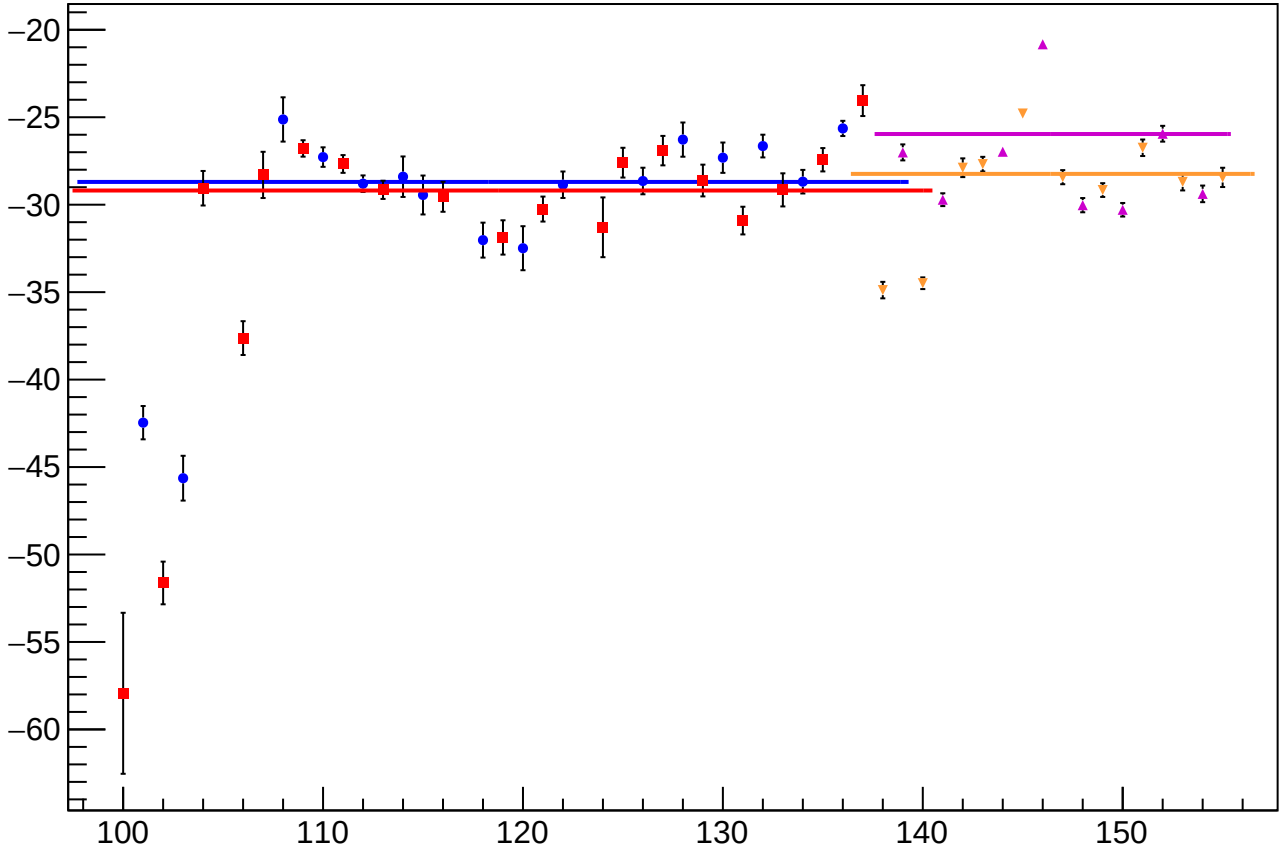
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.234+/-0.009 χ^2/NDF:842.5/23

Out: 0.260+/-0.009 χ^2/NDF:1078.9/28

All: 0.247+/-0.006 χ^2/NDF: 1926.0/52

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: -28.239+/-0.118 χ^2/NDF:856.7/9

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -25.959+/-0.114 χ^2/NDF:1025.6/7

Left: -27.057+/-0.082 χ^2/NDF: 2075.1/17

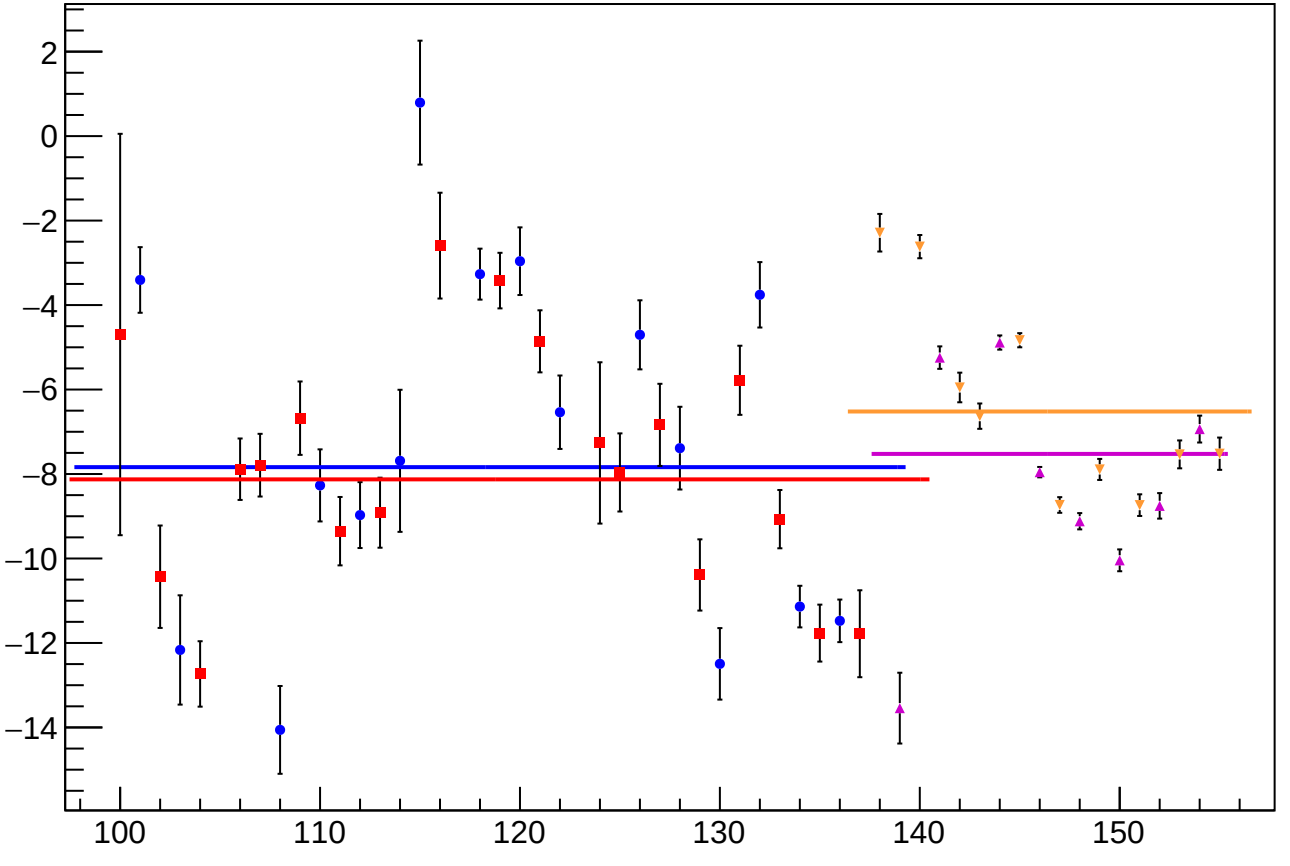
Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.707+/-0.097 χ^2/NDF:1670.7/23

Out: -28.522+/-0.099 χ^2/NDF:1433.2/28

All: -27.598+/-0.069 χ^2/NDF: 3275.2/52

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.520+/-0.082 χ^2/NDF:660.2/9

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.524+/-0.075 χ^2/NDF:566.4/7

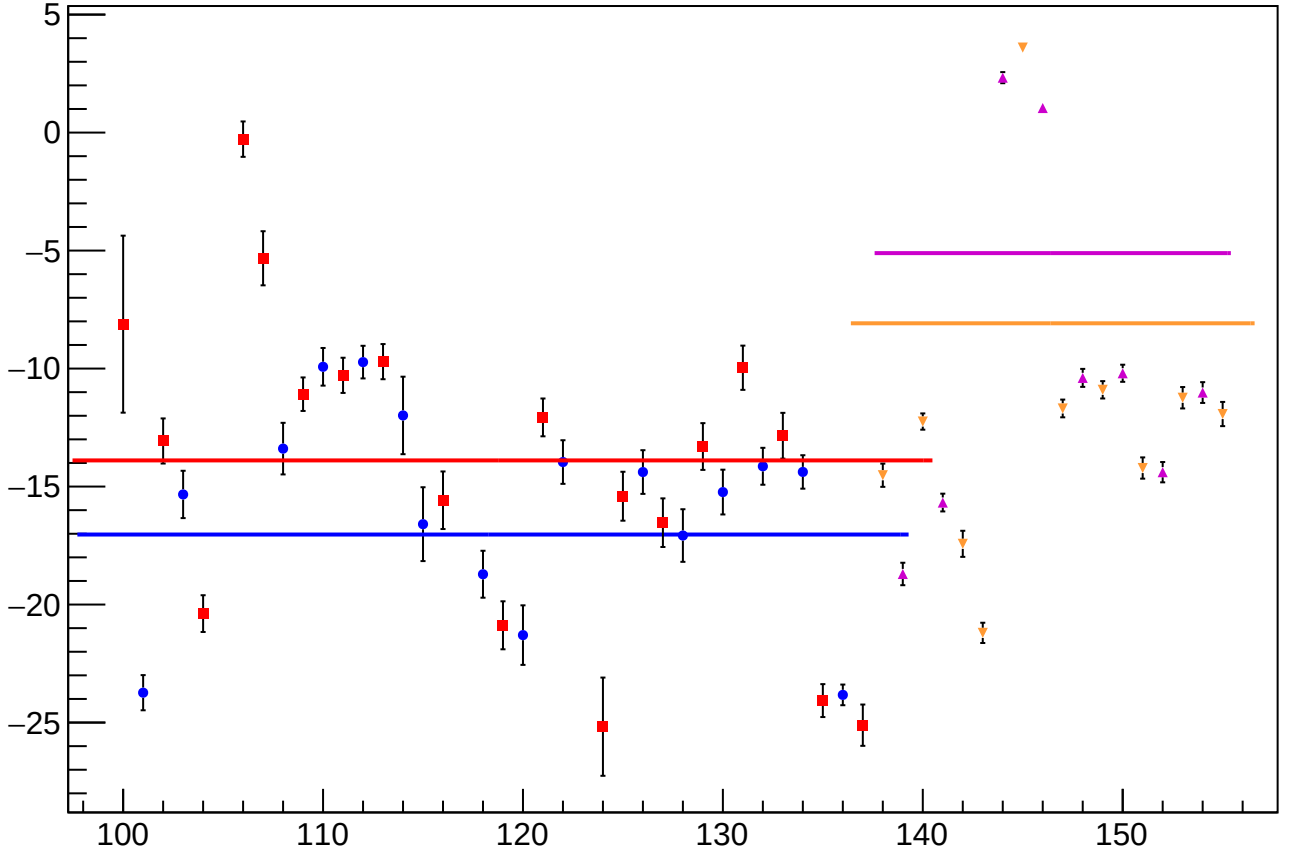
Left: -7.068+/-0.055 χ^2/NDF: 1309.0/17

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.564+/-0.070 χ^2/NDF:951.8/23

Out: -6.757+/-0.075 χ^2/NDF:914.5/28

All: -7.193+/-0.051 χ^2/NDF: 1928.2/52



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -8.082+/-0.117 χ^2/NDF:5133.3/9

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -5.108+/-0.112 χ^2/NDF:4598.4/7

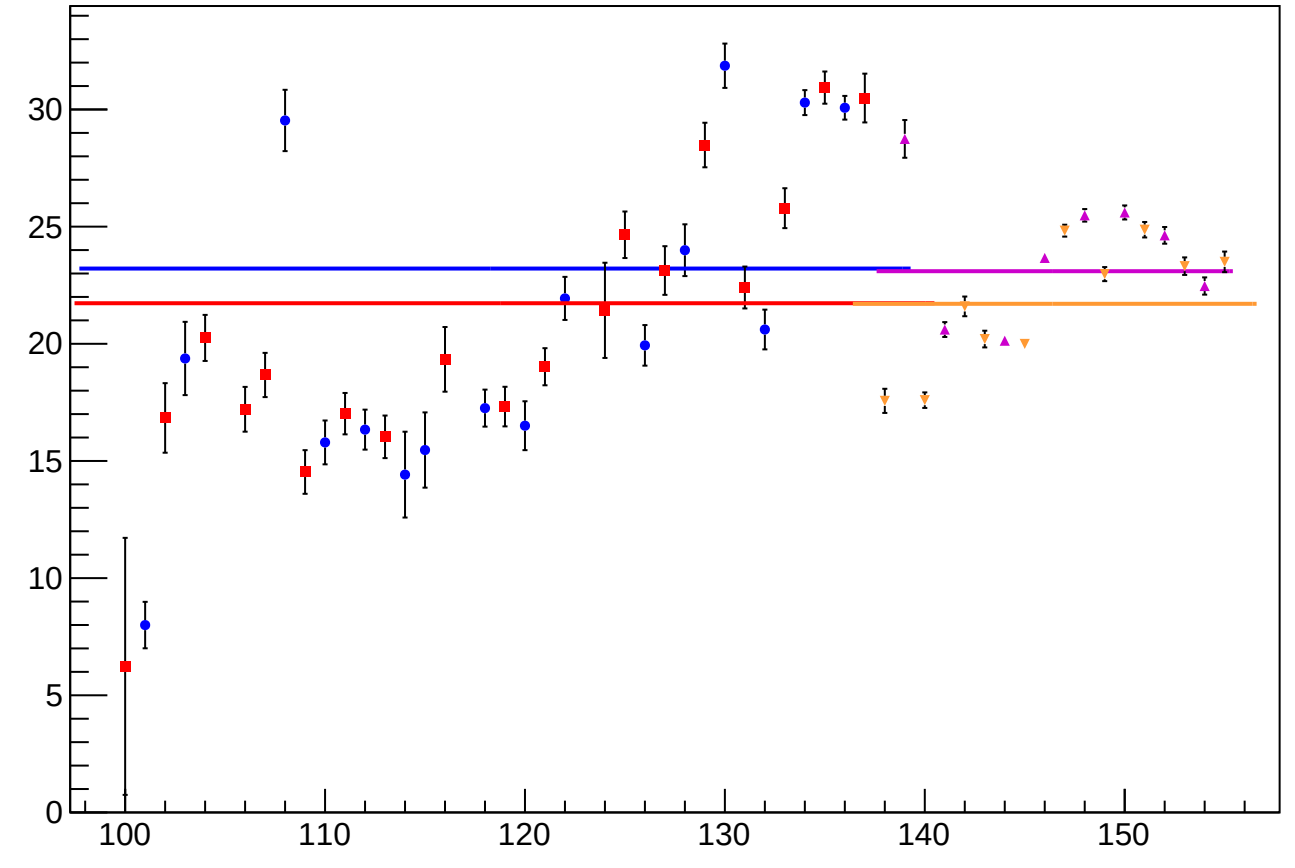
Left: -6.522+/-0.081 χ^2/NDF: 10068.0/17

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -7.755+/-0.099 χ^2/NDF:7723.6/23

Out: -9.473+/-0.102 χ^2/NDF:6736.6/28

All: -8.581+/-0.071 χ^2/NDF: 14606.3/52



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.707+/-0.099 χ^2/NDF:611.6/9

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 23.098+/-0.091 χ^2/NDF:521.1/7

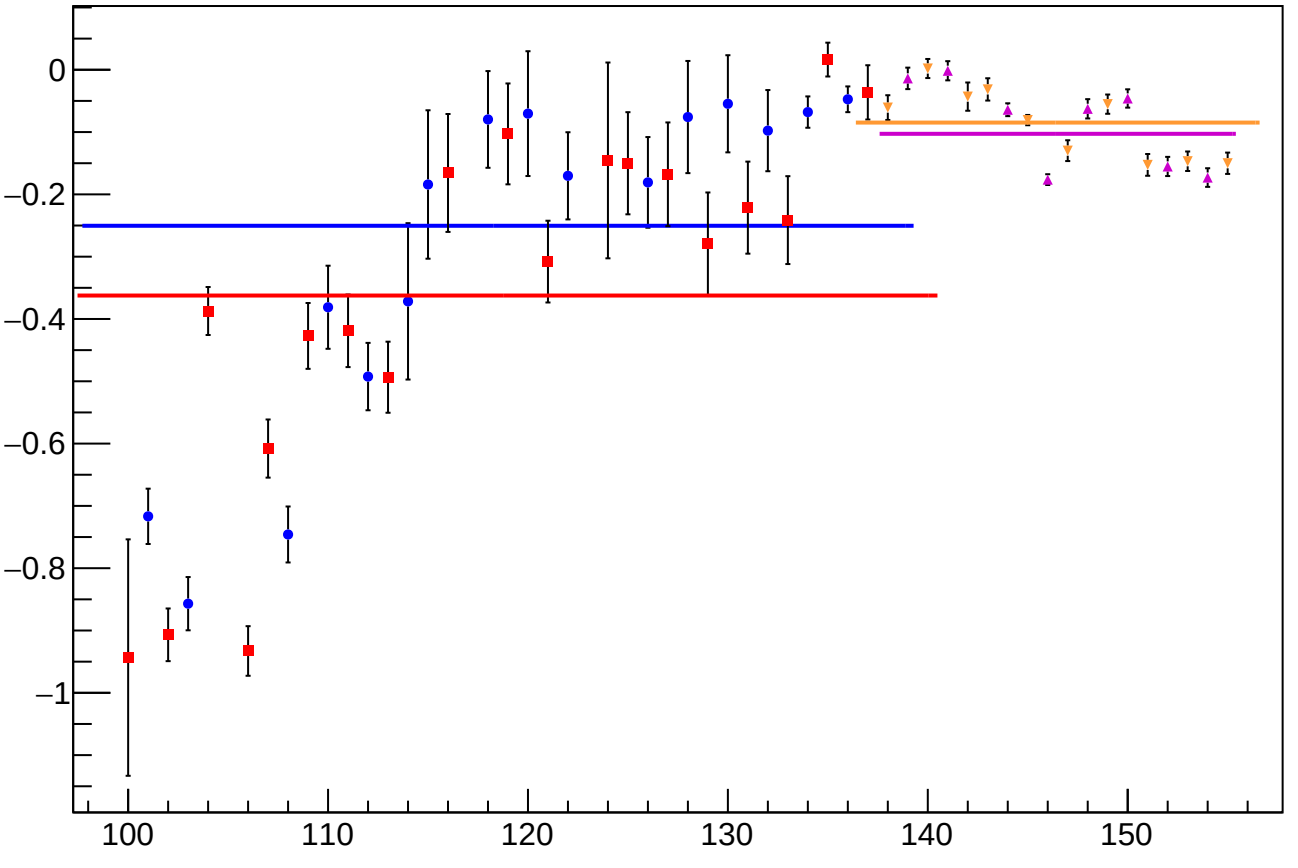
Left: 22.459+/-0.067 χ^2/NDF: 1239.2/17

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 23.115+/-0.084 χ^2/NDF:1529.5/23

Out: 21.711+/-0.091 χ^2/NDF:1169.9/28

All: 22.464+/-0.062 χ^2/NDF: 2828.1/52



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.085+/-0.005 χ^2/NDF:102.4/9

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.103+/-0.005 χ^2/NDF:211.6/7

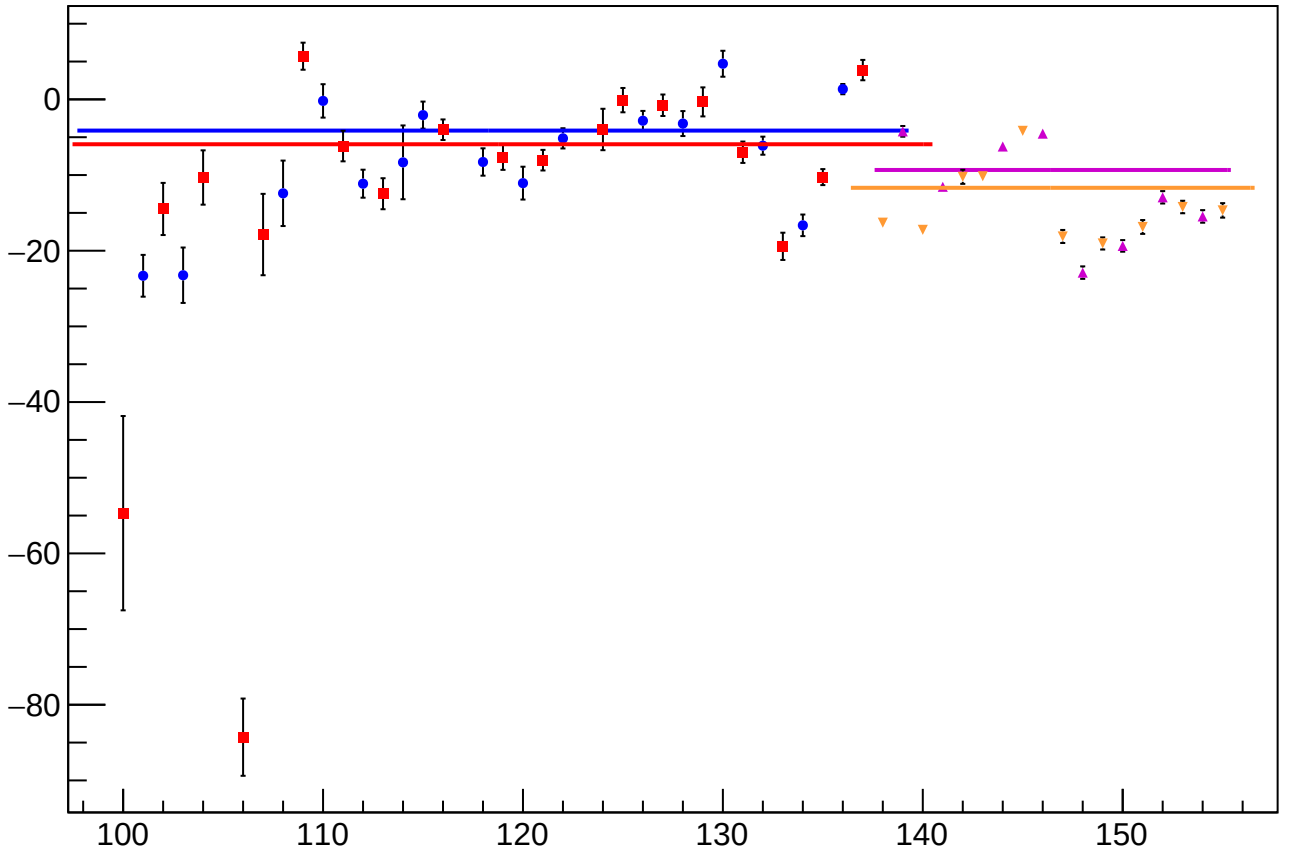
Left: -0.094+/-0.003 χ^2/NDF: 321.5/17

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.122+/-0.004 χ^2/NDF:984.0/23

Out: -0.120+/-0.004 χ^2/NDF:1248.0/28

All: -0.121+/-0.003 χ^2/NDF: 2232.1/52



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.685+/-0.209 χ^2/NDF:769.4/9

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -9.328+/-0.211 χ^2/NDF:773.6/7

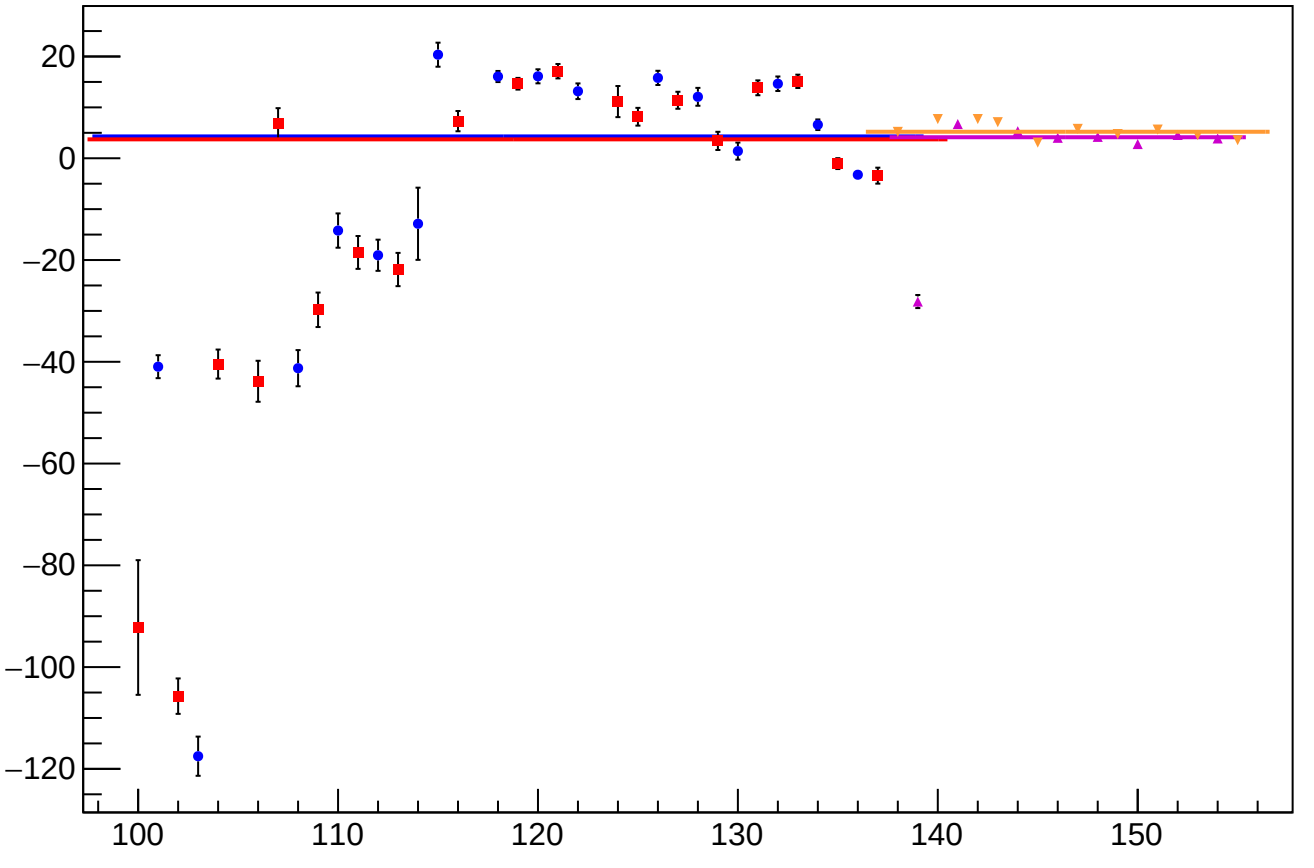
Left: -10.522+/-0.148 χ^2/NDF: 1605.9/17

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -8.108+/-0.185 χ^2/NDF:1203.8/23

Out: -10.491+/-0.186 χ^2/NDF:1409.9/28

All: -9.294+/-0.131 χ^2/NDF: 2696.4/52



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 5.210+/-0.148 χ^2/NDF:124.2/9

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 4.131+/-0.143 χ^2/NDF:685.7/7

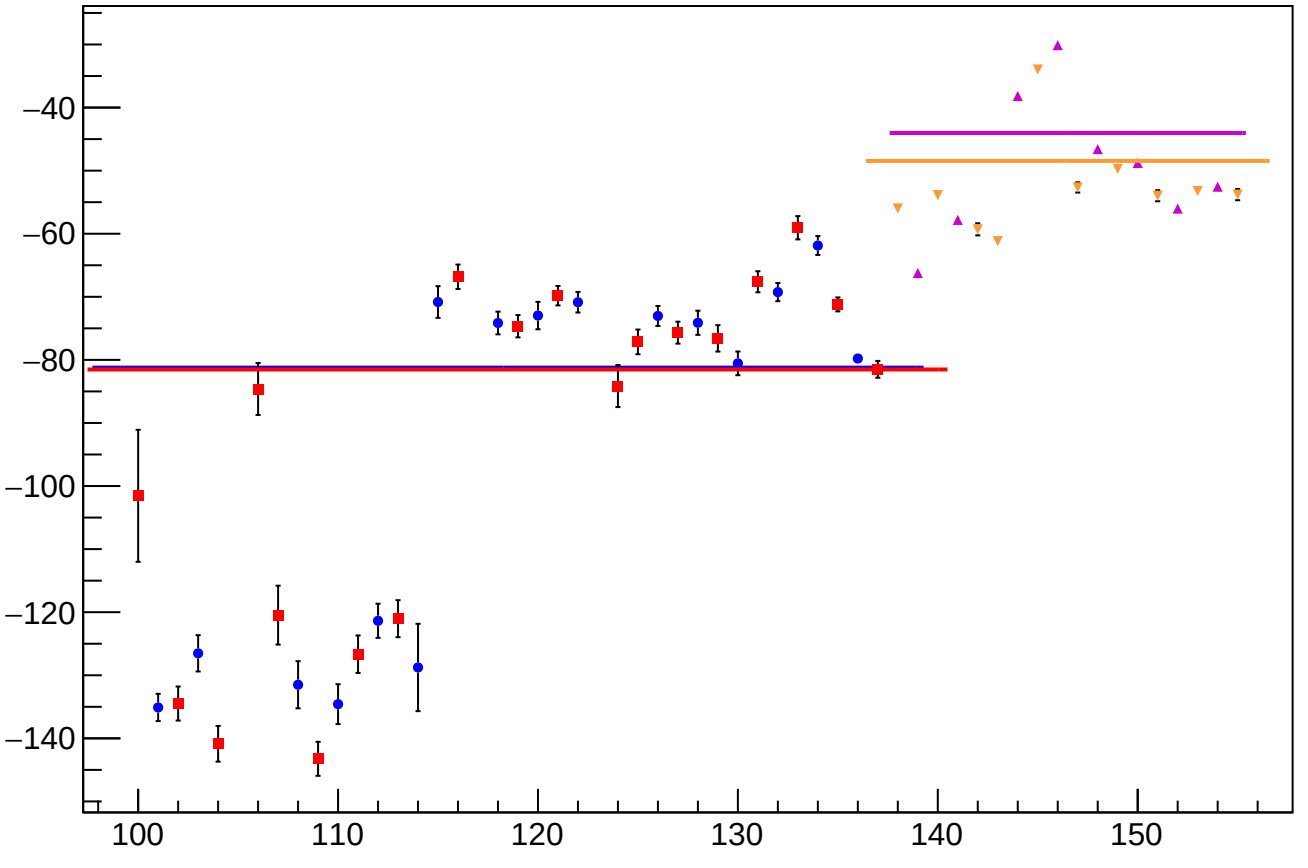
Left: 4.649+/-0.103 χ^2/NDF: 837.4/17

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 4.151+/-0.134 χ^2/NDF:2855.0/23

Out: 5.046+/-0.140 χ^2/NDF:2142.6/28

All: 4.578+/-0.097 χ^2/NDF: 5018.9/52



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -48.456+/-0.209 χ^2/NDF:2294.9/9

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -44.030+/-0.208 χ^2/NDF:3212.0/7

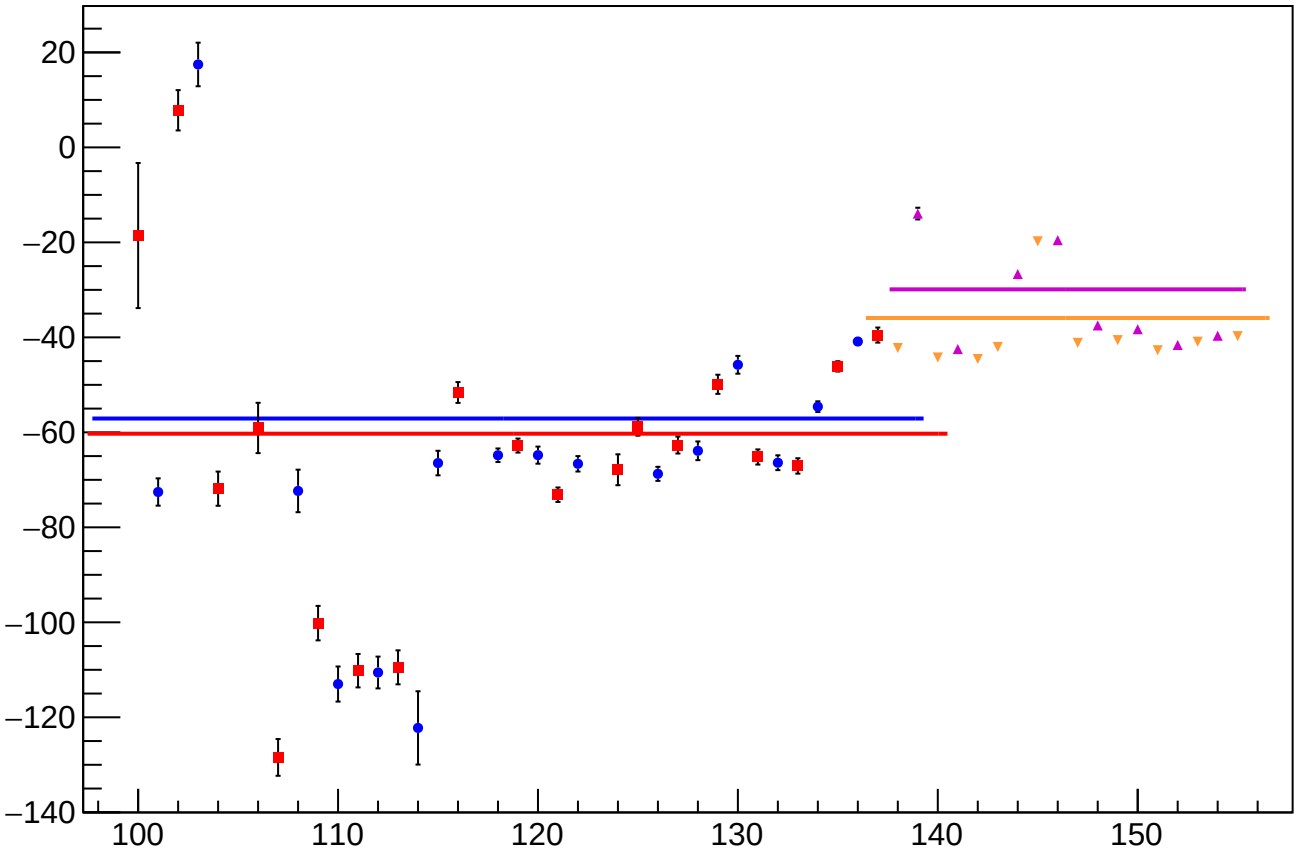
Left: -46.236+/-0.147 χ^2/NDF: 5732.0/17

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -51.459+/-0.186 χ^2/NDF:11557.4/23

Out: -54.075+/-0.190 χ^2/NDF:8847.7/28

All: -52.739+/-0.133 χ^2/NDF: 20501.7/52



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -35.919+/-0.178 χ^2/NDF:3159.8/9

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -29.892+/-0.173 χ^2/NDF:2856.1/7

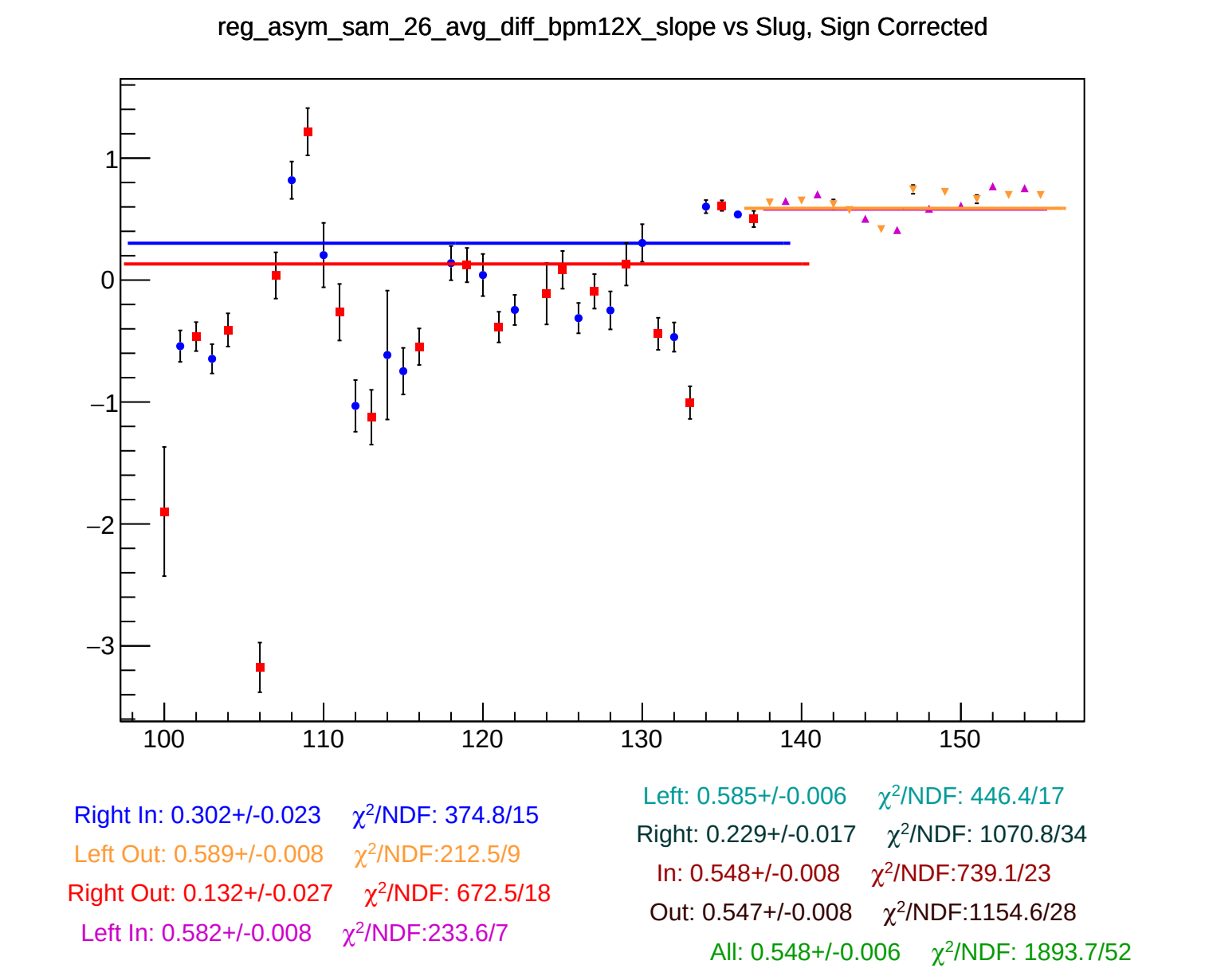
Left: -32.821+/-0.124 χ^2/NDF: 6602.3/17

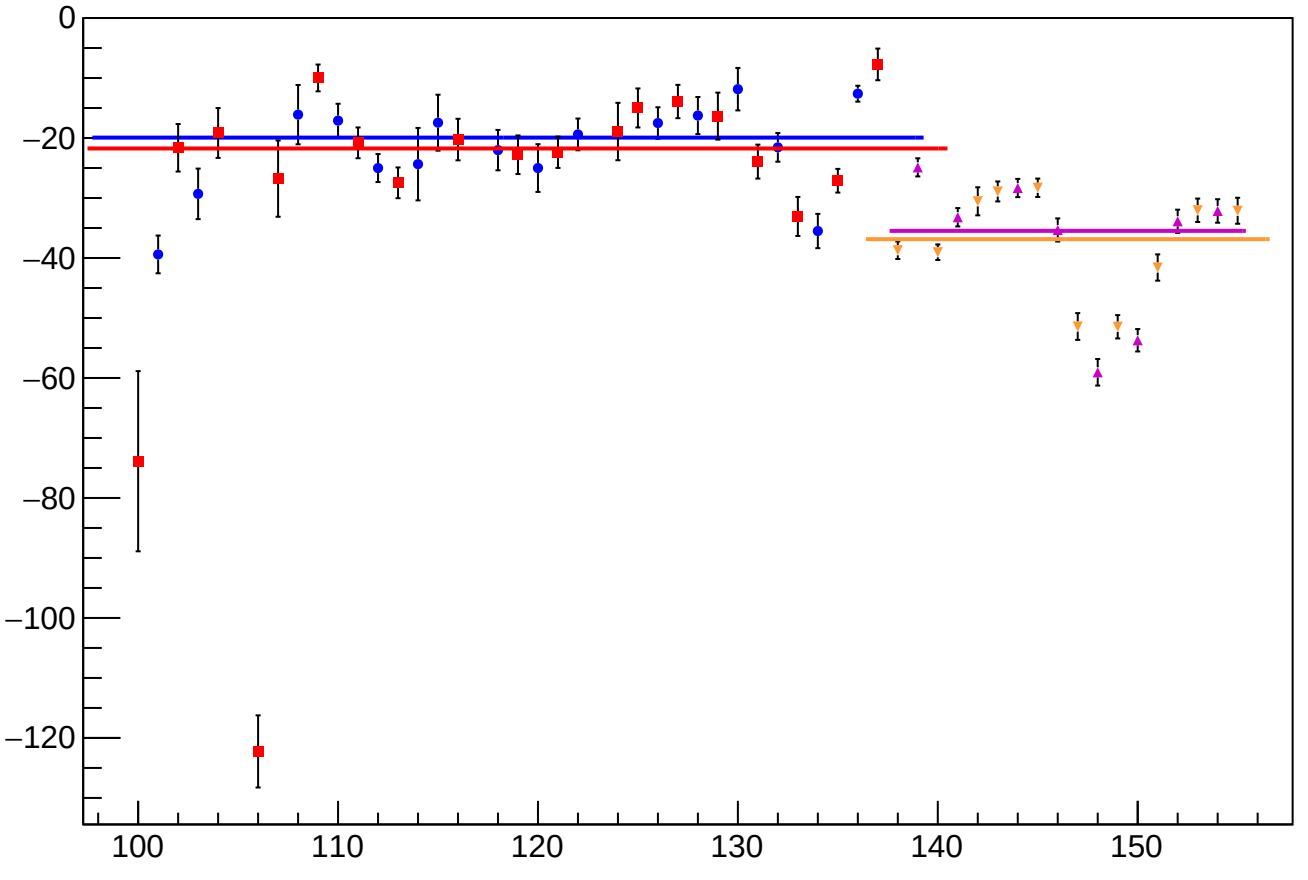
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -33.765+/-0.161 χ^2/NDF:7882.7/23

Out: -38.987+/-0.167 χ^2/NDF:7097.1/28

All: -36.279+/-0.116 χ^2/NDF: 15488.2/52


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: 0.589+/-0.008 χ²/NDF:212.5/9
Right Out: 0.132+/-0.027 χ²/NDF: 672.5/18
Left In: 0.582+/-0.008 χ²/NDF:233.6/7
Left: 0.585+/-0.006 χ²/NDF: 446.4/17
Right: 0.229+/-0.017 χ²/NDF: 1070.8/34
In: 0.548+/-0.008 χ²/NDF:739.1/23
Out: 0.547+/-0.008 χ²/NDF:1154.6/28
All: 0.548+/-0.006 χ²/NDF: 1893.7/52



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -36.864+/-0.561 χ^2/NDF:180.2/9

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -35.480+/-0.622 χ^2/NDF:285.8/7

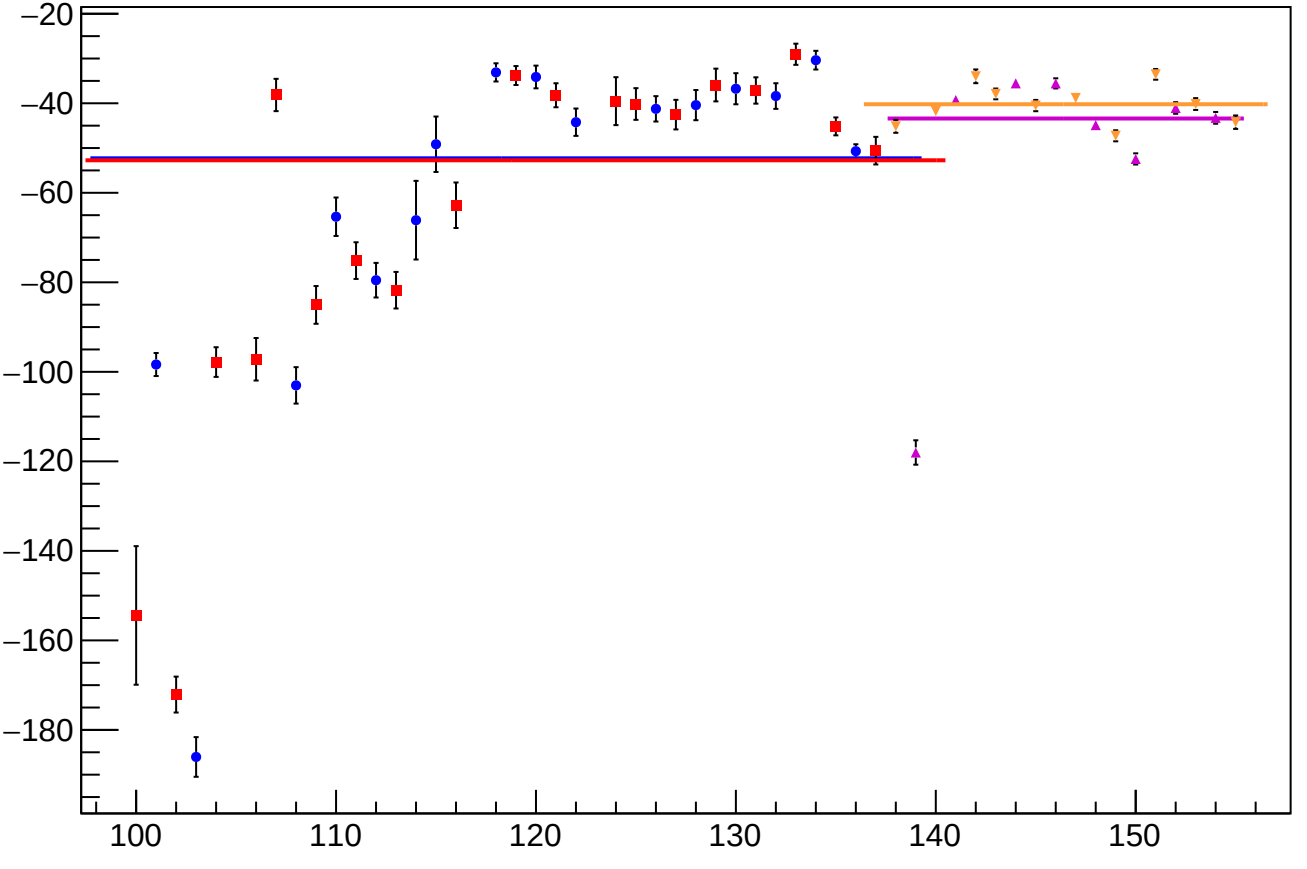
Left: -36.243+/-0.416 χ^2/NDF: 468.8/17

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -28.568+/-0.463 χ^2/NDF:684.4/23

Out: -31.095+/-0.441 χ^2/NDF:846.1/28

All: -29.894+/-0.319 χ^2/NDF: 1546.1/52



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -40.216+/-0.396 χ^2/NDF:106.5/9

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -43.403+/-0.438 χ^2/NDF:916.9/7

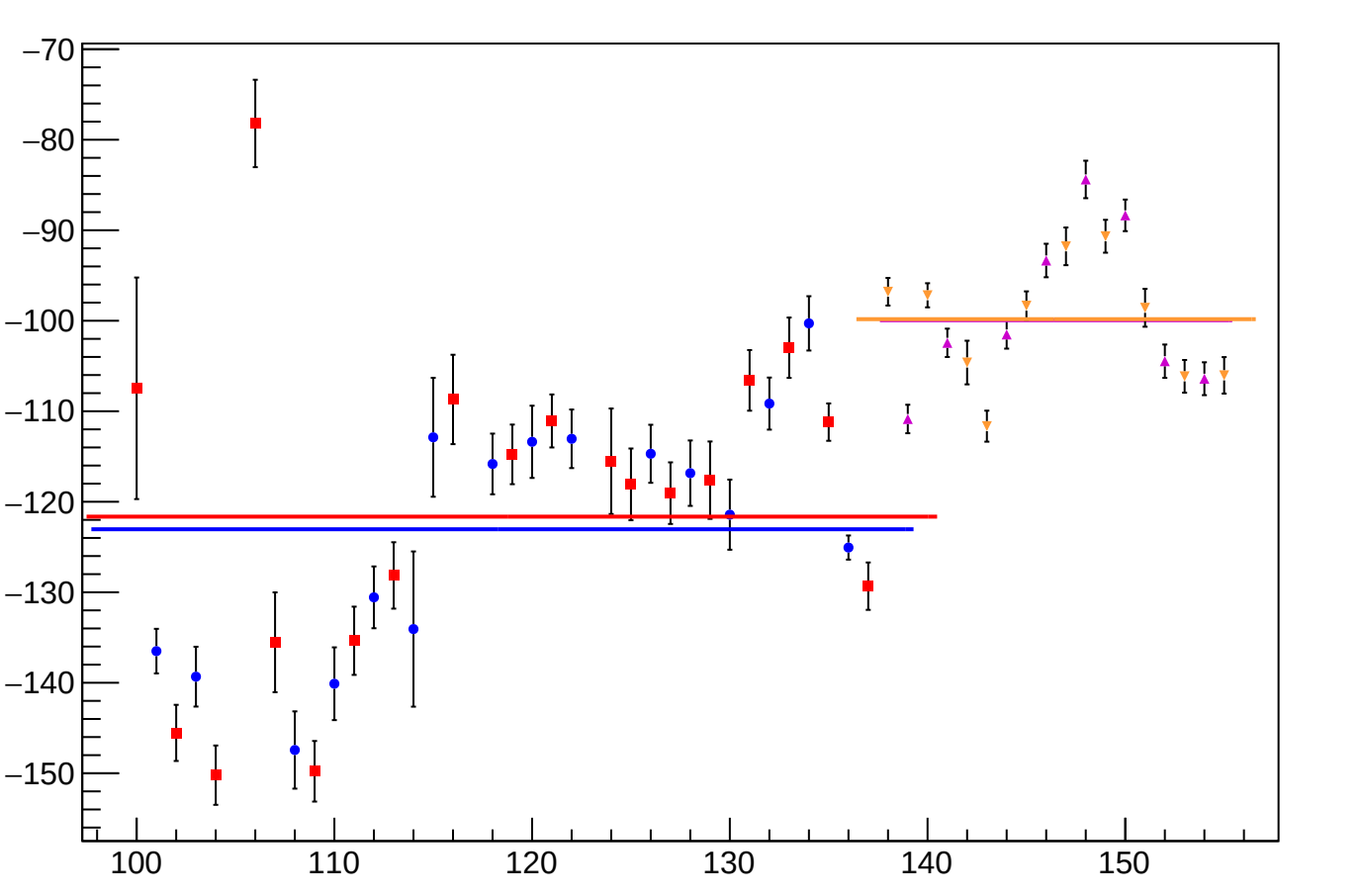
Left: -41.649+/-0.294 χ^2/NDF: 1052.6/17

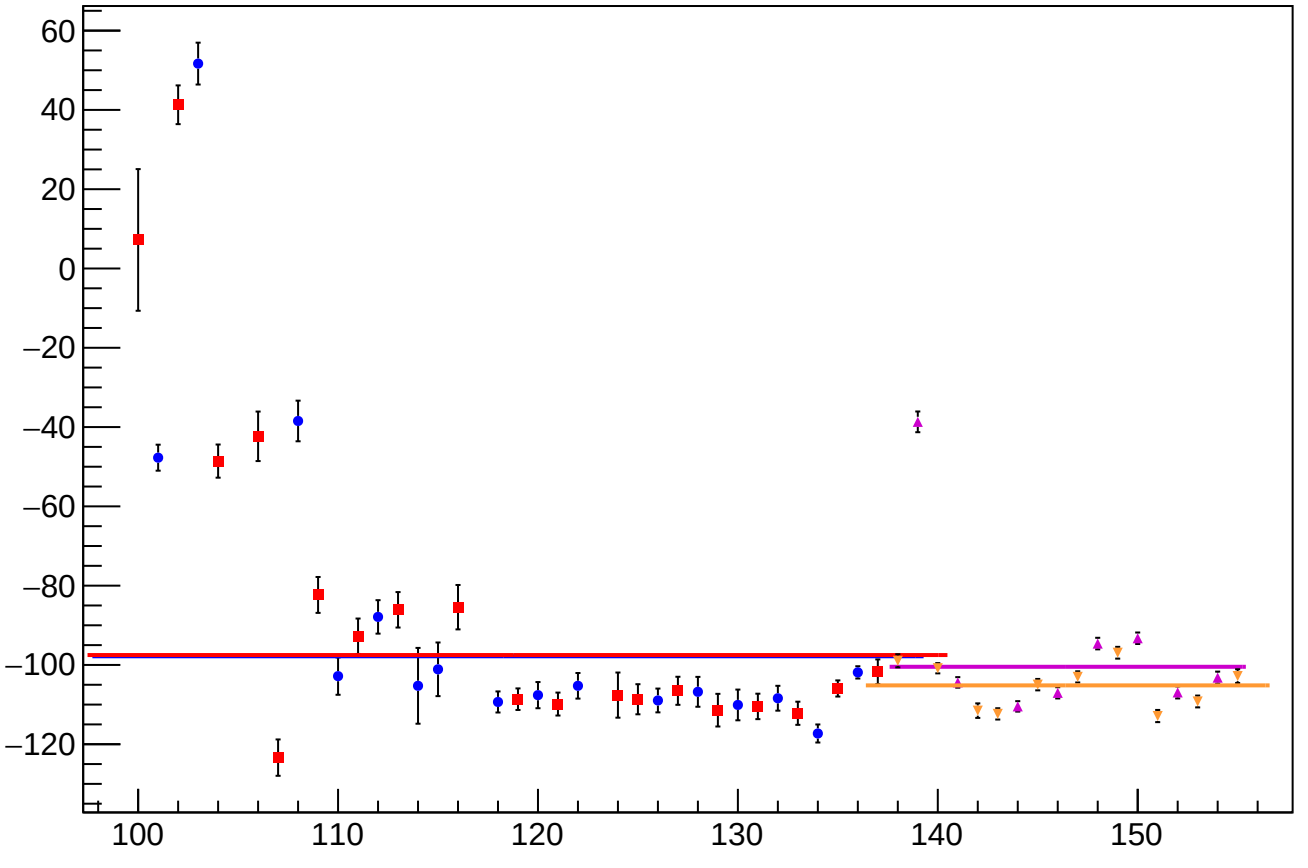
Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -45.863+/-0.372 χ^2/NDF:2809.2/23

Out: -42.951+/-0.350 χ^2/NDF:1987.8/28

All: -44.316+/-0.255 χ^2/NDF: 4829.6/52


reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−70
−80
−90
−100
−110
−120
−130
−140
−150
100
110
120
130
140
150
Right In: -123.039+/-0.750 χ²/NDF: 226.8/15
Left Out: -99.827+/-0.557 χ²/NDF:122.8/9
Right Out: -121.646+/-0.801 χ²/NDF: 424.5/18
Left In: -99.943+/-0.612 χ²/NDF:183.6/7
Left: -99.880+/-0.412 χ²/NDF: 306.4/17
Right: -122.388+/-0.548 χ²/NDF: 652.9/34
In: -109.175+/-0.474 χ²/NDF:979.7/23
Out: -106.937+/-0.457 χ²/NDF:1047.3/28
All: -108.016+/-0.329 χ²/NDF: 2038.5/52



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -105.156+/-0.477 χ^2/NDF:130.2/9

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -100.464+/-0.528 χ^2/NDF:707.8/7

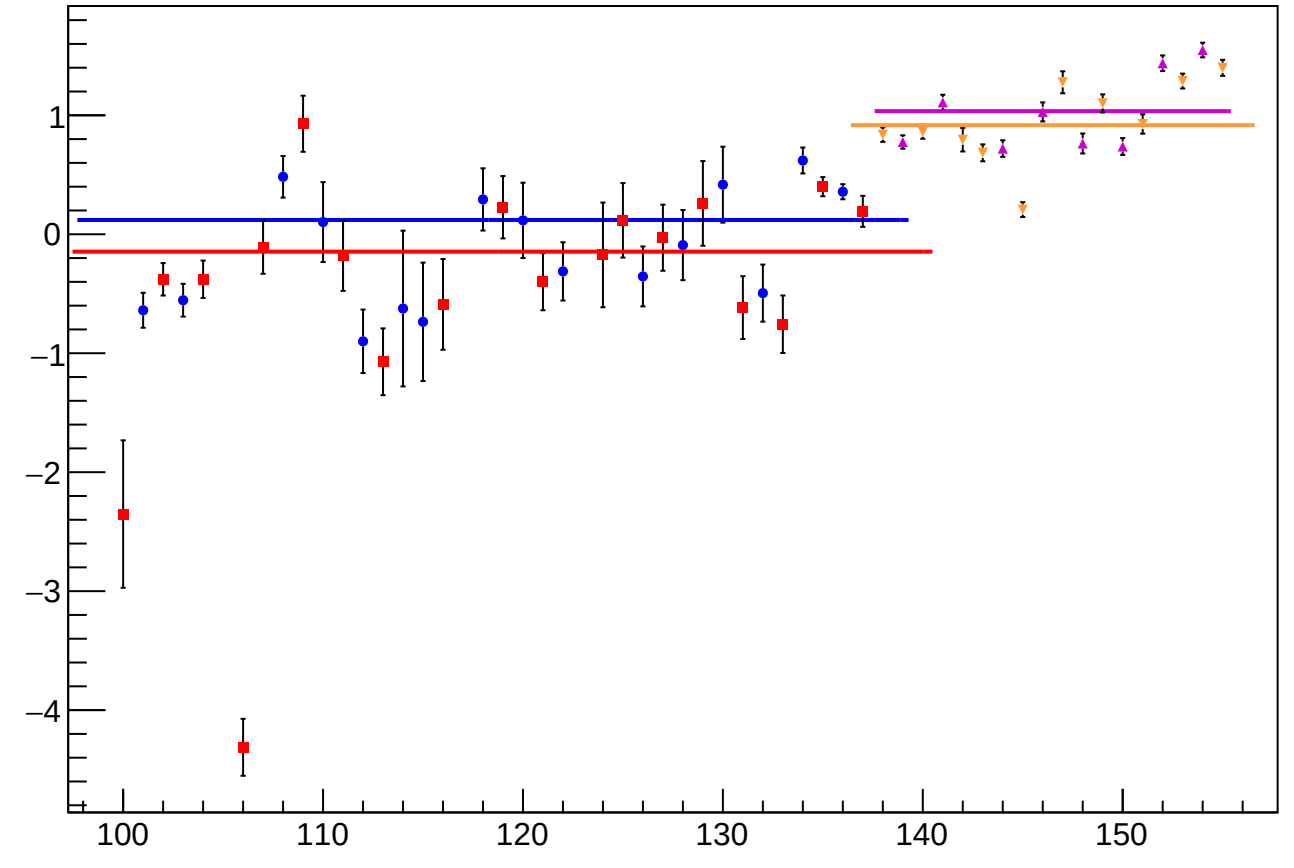
Left: -103.045+/-0.354 χ^2/NDF: 881.5/17

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -99.651+/-0.439 χ^2/NDF:2046.3/23

Out: -103.298+/-0.415 χ^2/NDF:1429.1/28

All: -101.577+/-0.302 χ^2/NDF: 3511.8/52



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.917+/-0.022 χ^2/NDF:251.0/9

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 1.035+/-0.024 χ^2/NDF:178.0/7

Left: 0.972+/-0.016 χ^2/NDF: 442.1/17

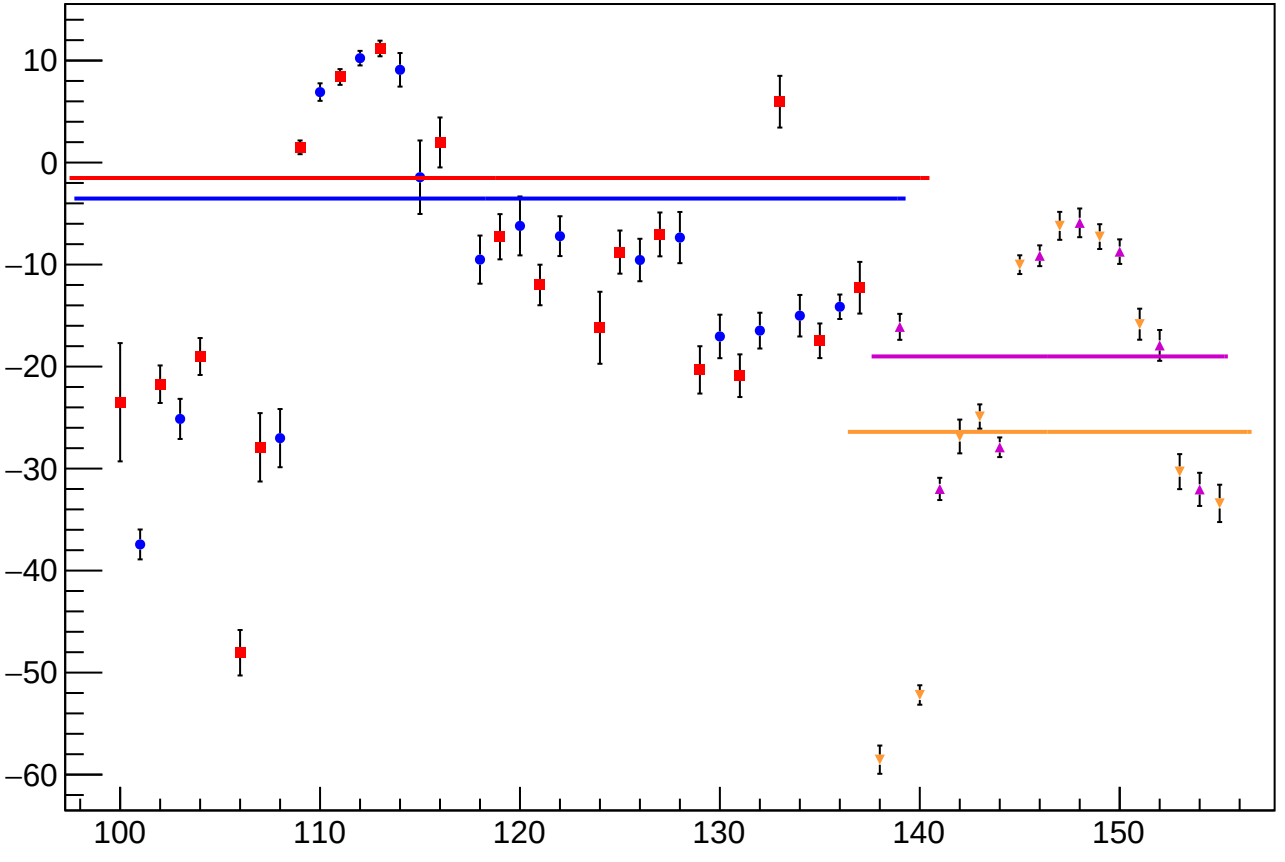
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.806+/-0.021 χ^2/NDF:670.9/23

Out: 0.708+/-0.020 χ^2/NDF:1122.7/28

All: 0.755+/-0.014 χ^2/NDF: 1805.2/52

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -26.400+/-0.403 χ^2/NDF:2122.9/9

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -19.005+/-0.426 χ^2/NDF:550.8/7

Left: -22.906+/-0.293 χ^2/NDF: 2832.7/17

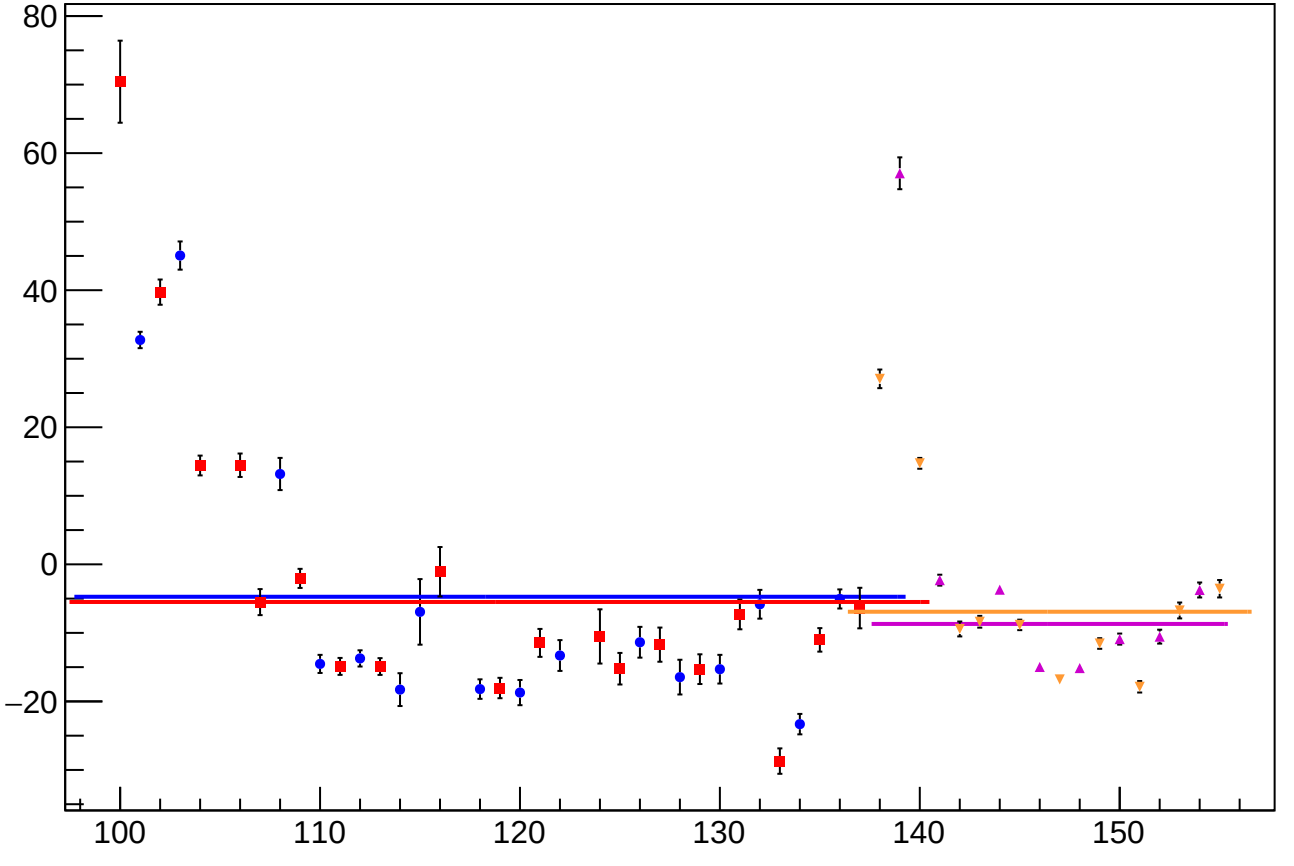
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -10.321+/-0.282 χ^2/NDF:2820.6/23

Out: -11.802+/-0.259 χ^2/NDF:5883.1/28

All: -11.125+/-0.191 χ^2/NDF: 8718.7/52

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: -6.915+/-0.277 χ^2/NDF:1847.5/9

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -8.696+/-0.289 χ^2/NDF:1143.1/7

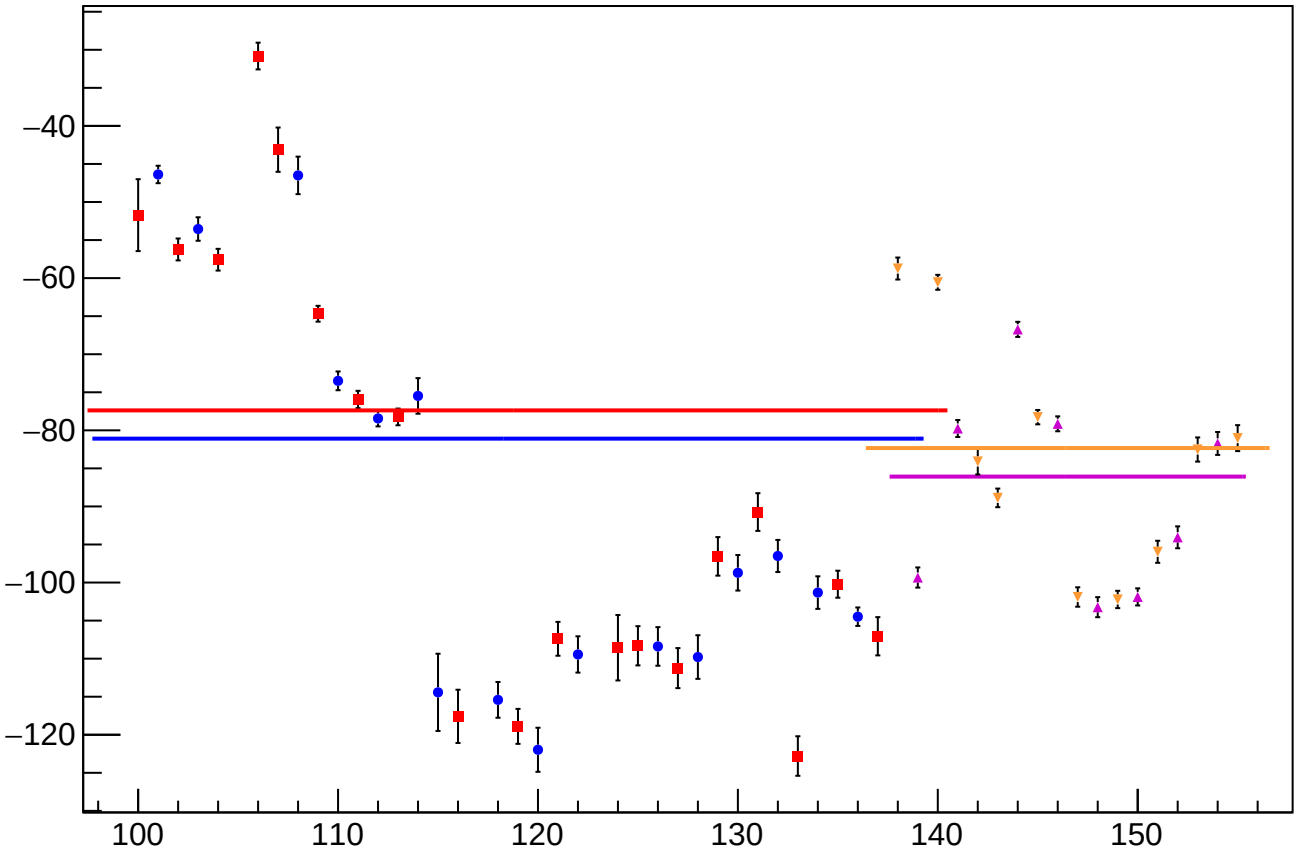
Left: -7.769+/-0.200 χ^2/NDF: 3010.3/17

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -7.466+/-0.240 χ^2/NDF:3349.5/23

Out: -6.486+/-0.232 χ^2/NDF:3364.0/28

All: -6.959+/-0.167 χ^2/NDF: 6722.1/52



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -82.327+/-0.400 χ^2/NDF:1438.2/9

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -86.079+/-0.418 χ^2/NDF:968.0/7

Left: -84.118+/-0.289 χ^2/NDF: 2448.2/17

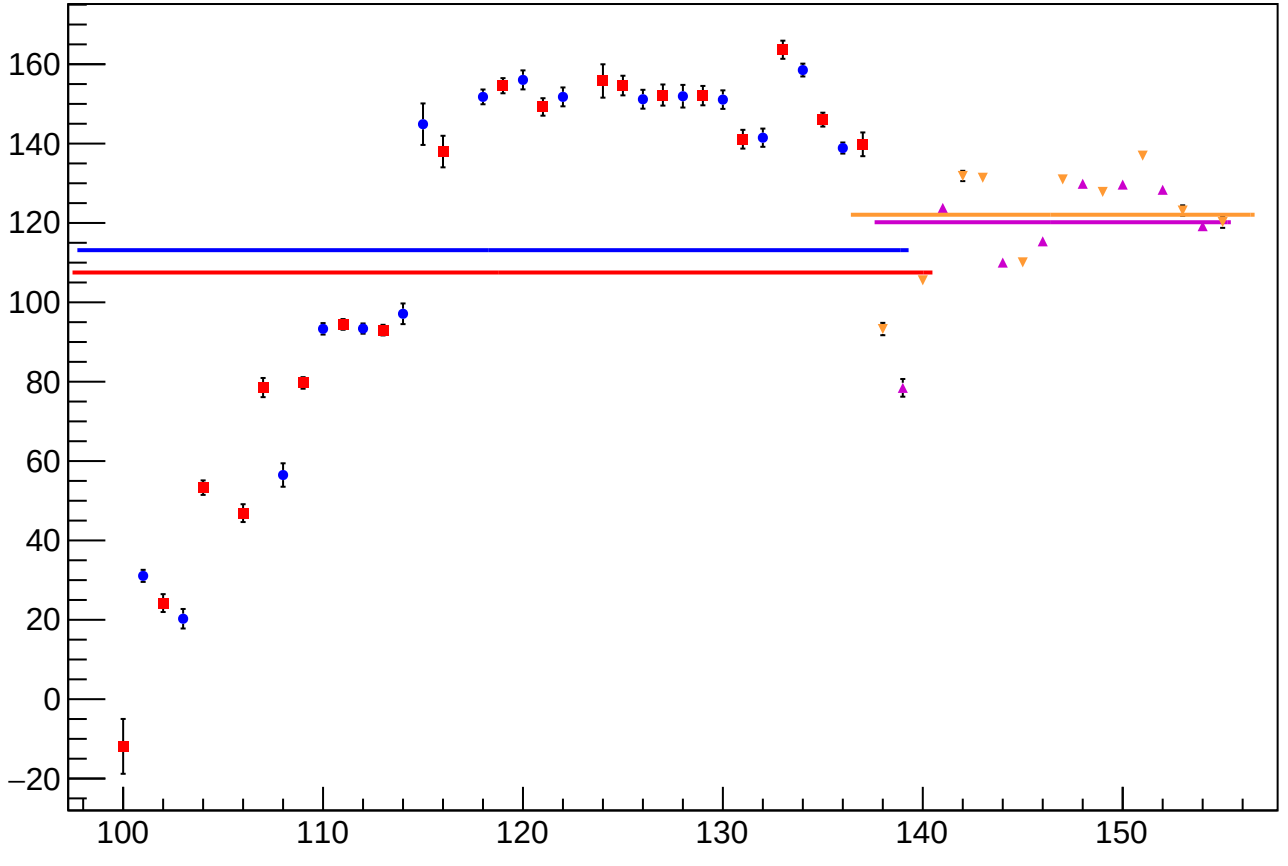
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -83.702+/-0.303 χ^2/NDF:3906.0/23

Out: -79.956+/-0.289 χ^2/NDF:4641.2/28

All: -81.740+/-0.209 χ^2/NDF: 8627.5/52

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: 122.071+/-0.337 χ^2/NDF:1313.7/9

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 120.182+/-0.351 χ^2/NDF:812.5/7

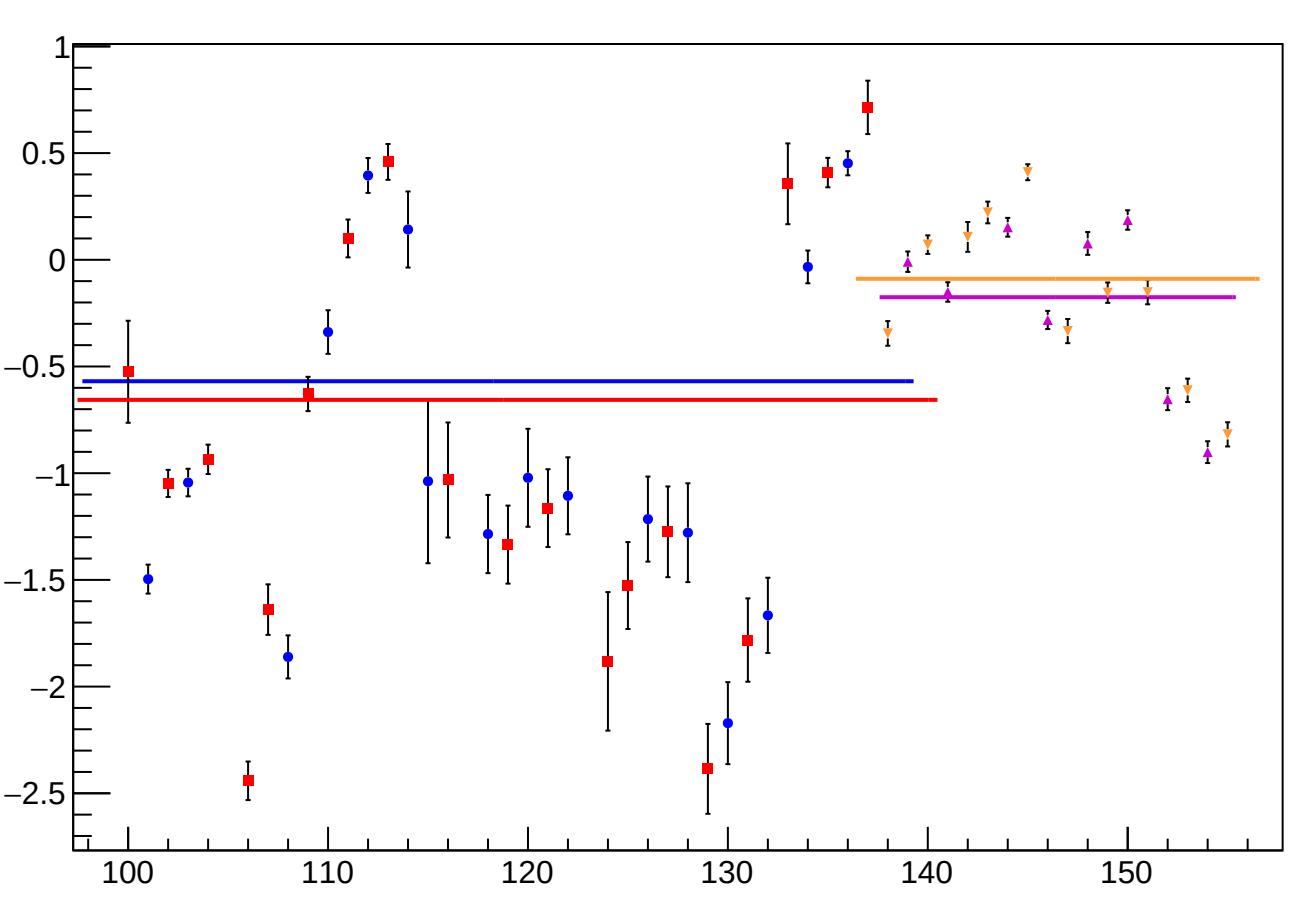
Left: 121.165+/-0.243 χ^2/NDF: 2141.3/17

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 117.788+/-0.285 χ^2/NDF:9153.4/23

Out: 117.254+/-0.276 χ^2/NDF:9474.7/28

All: 117.512+/-0.198 χ^2/NDF: 18629.8/52



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.089+/-0.016 χ^2/NDF:534.6/9

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.175+/-0.017 χ^2/NDF:447.3/7

Left: -0.131+/-0.012 χ^2/NDF: 995.7/17

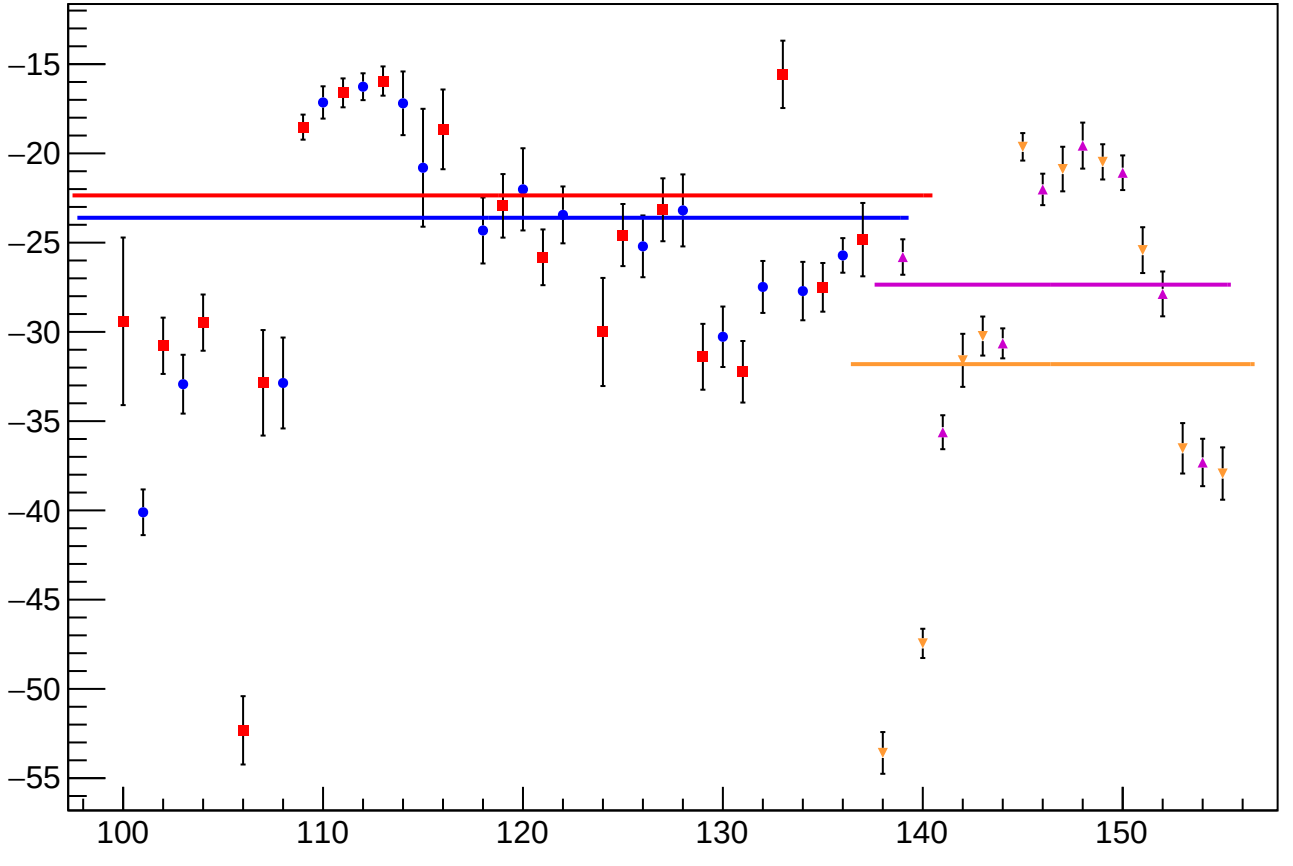
Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.292+/-0.014 χ^2/NDF:1708.9/23

Out: -0.254+/-0.014 χ^2/NDF:2209.1/28

All: -0.272+/-0.010 χ^2/NDF: 3921.7/52

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -31.806+/-0.344 χ^2/NDF:1225.2/9

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -27.354+/-0.361 χ^2/NDF:264.7/7

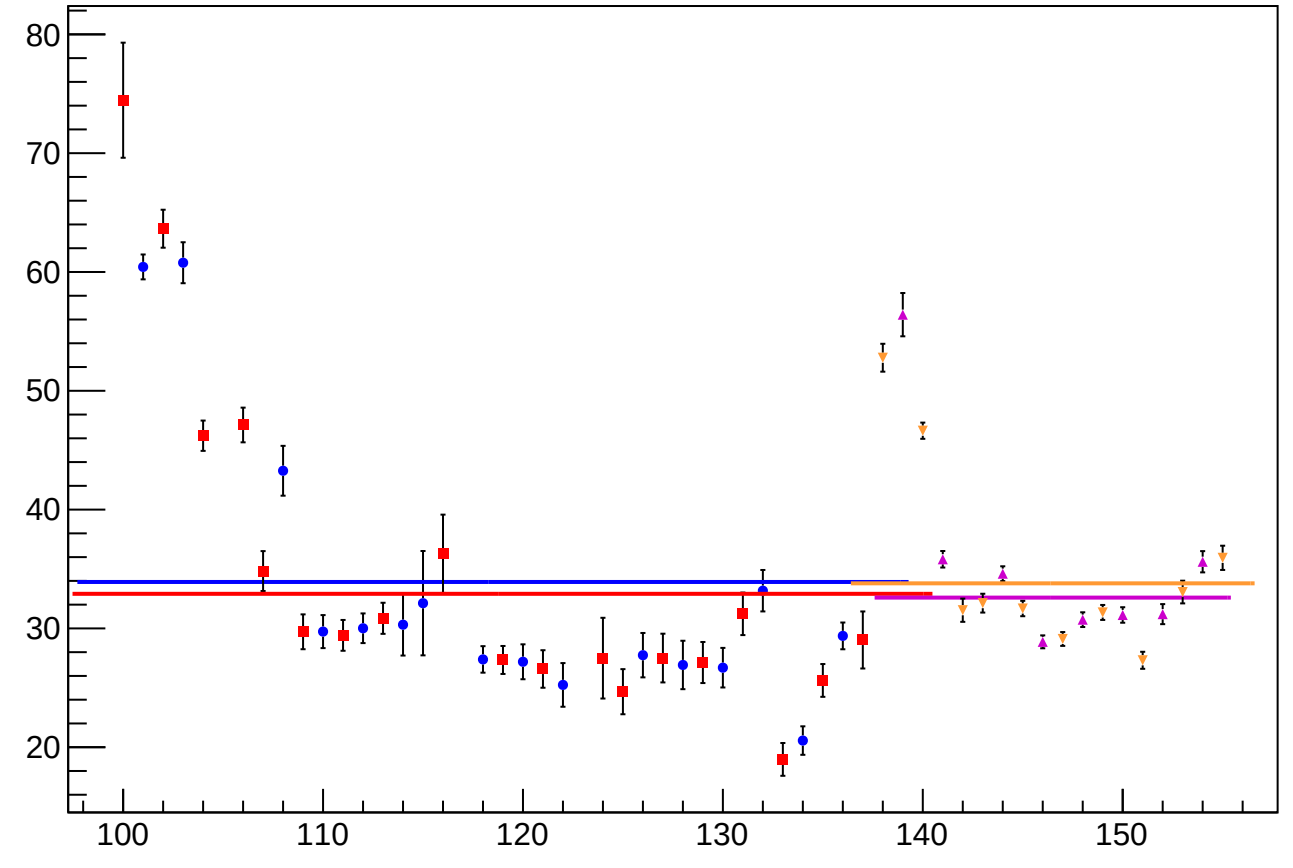
Left: -29.683+/-0.249 χ^2/NDF: 1569.7/17

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -25.415+/-0.251 χ^2/NDF:727.0/23

Out: -26.761+/-0.235 χ^2/NDF:2179.3/28

All: -26.131+/-0.171 χ^2/NDF: 2921.6/52



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.794+/-0.240 χ^2/NDF:803.6/9

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 32.593+/-0.251 χ^2/NDF:277.7/7

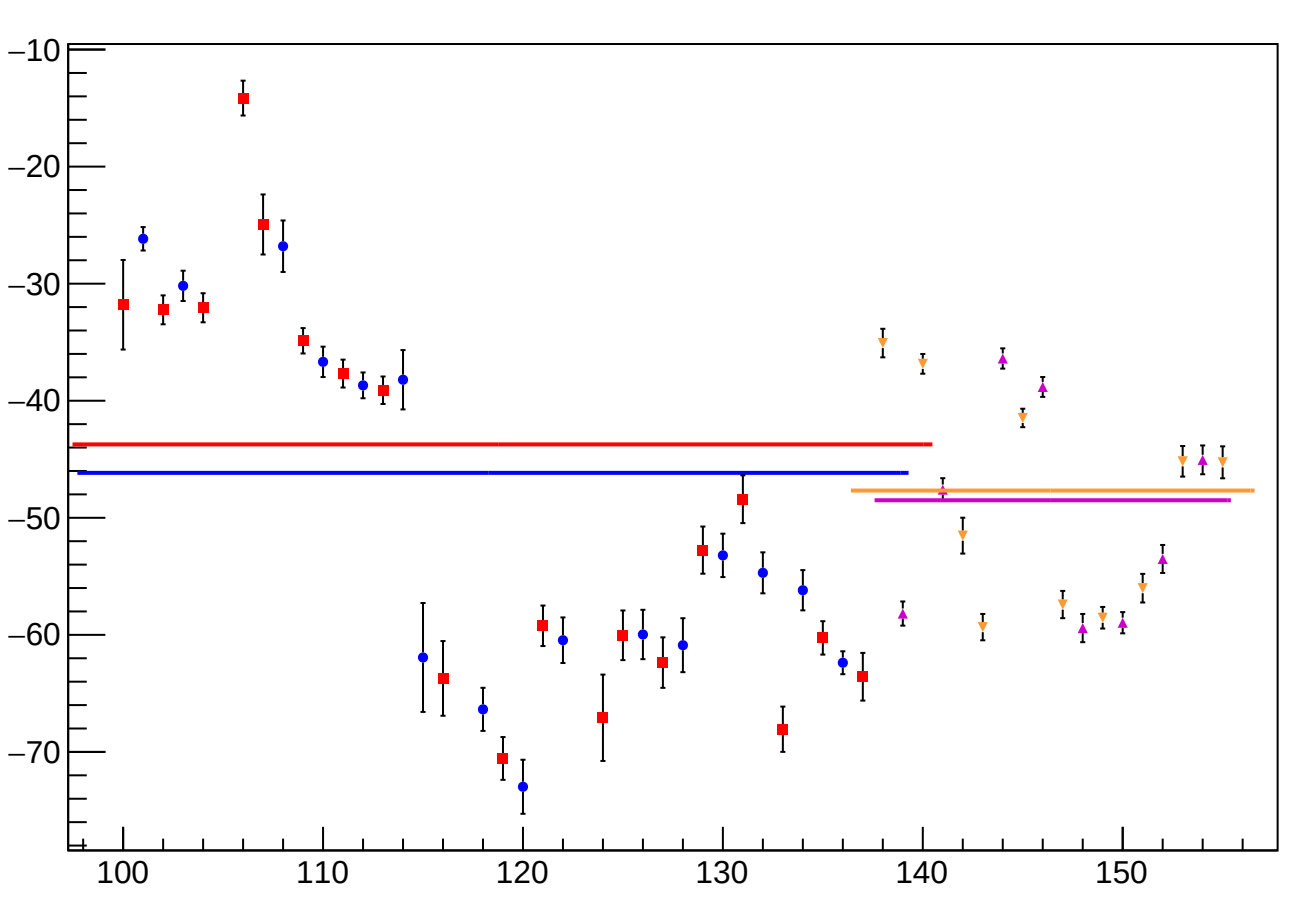
Left: 33.219+/-0.173 χ^2/NDF: 1093.3/17

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.999+/-0.208 χ^2/NDF:1470.6/23

Out: 33.535+/-0.202 χ^2/NDF:1682.5/28

All: 33.276+/-0.145 χ^2/NDF: 3156.6/52



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -47.672+/-0.341 χ^2/NDF:709.2/9

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -48.501+/-0.354 χ^2/NDF:654.9/7

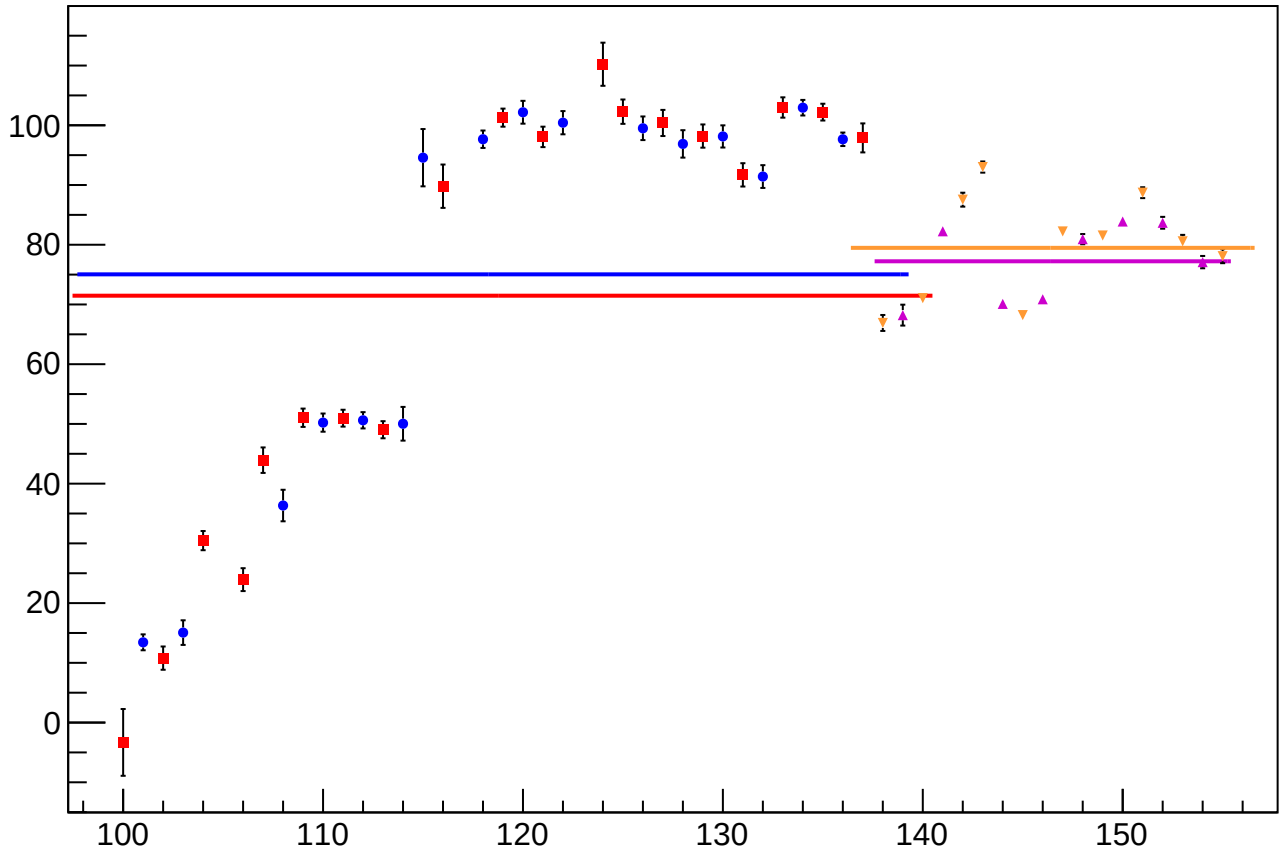
Left: -48.071+/-0.246 χ^2/NDF: 1367.0/17

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -47.443+/-0.262 χ^2/NDF:2164.3/23

Out: -45.906+/-0.253 χ^2/NDF:2432.5/28

All: -46.648+/-0.182 χ^2/NDF: 4614.6/52



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.480+/-0.290 χ^2/NDF:809.3/9

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 77.228+/-0.302 χ^2/NDF:388.6/7

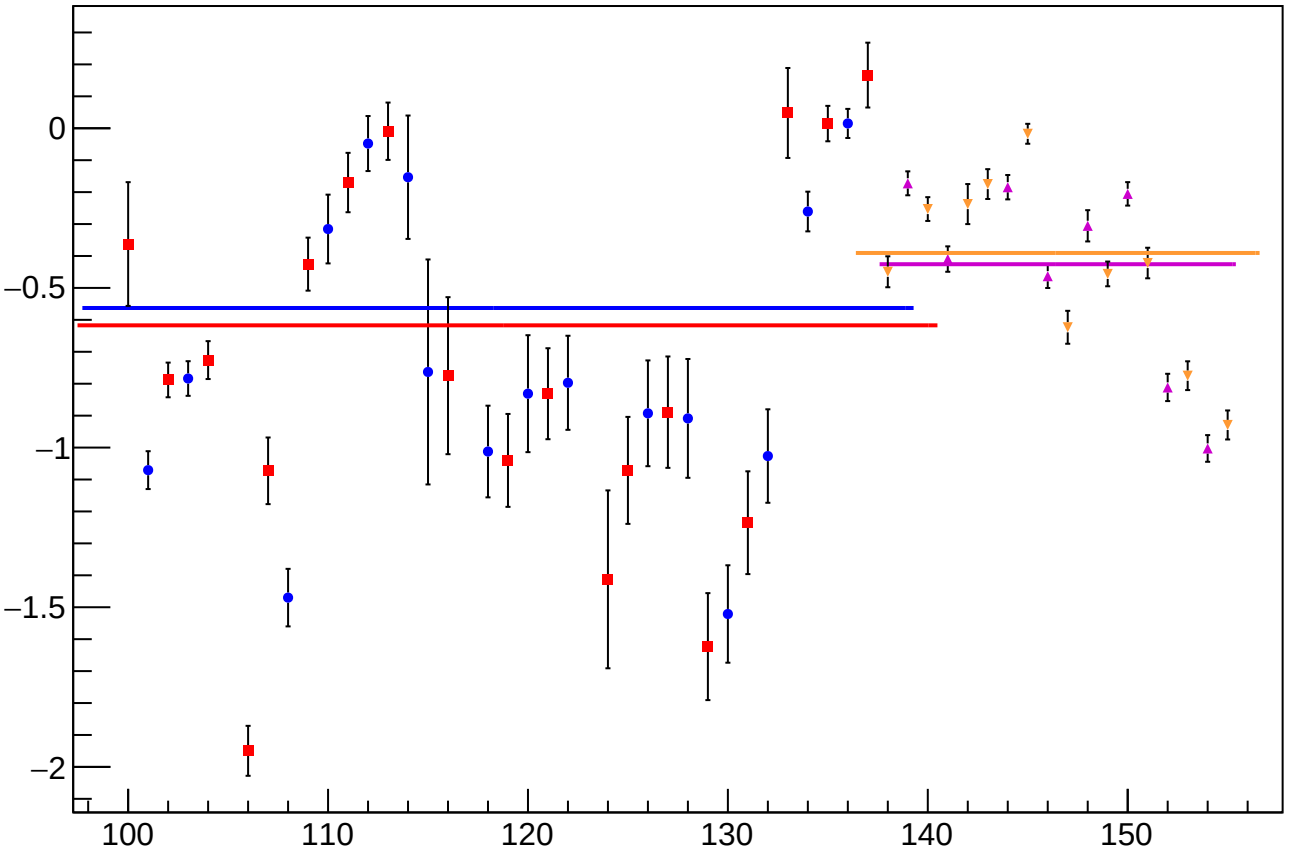
Left: 78.399+/-0.209 χ^2/NDF: 1226.8/17

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 76.501+/-0.246 χ^2/NDF:6234.3/23

Out: 76.940+/-0.240 χ^2/NDF:6679.4/28

All: 76.727+/-0.172 χ^2/NDF: 12915.4/52



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.391+/-0.014 χ^2/NDF:422.4/9

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.426+/-0.014 χ^2/NDF:401.2/7

Left: -0.408+/-0.010 χ^2/NDF: 826.8/17

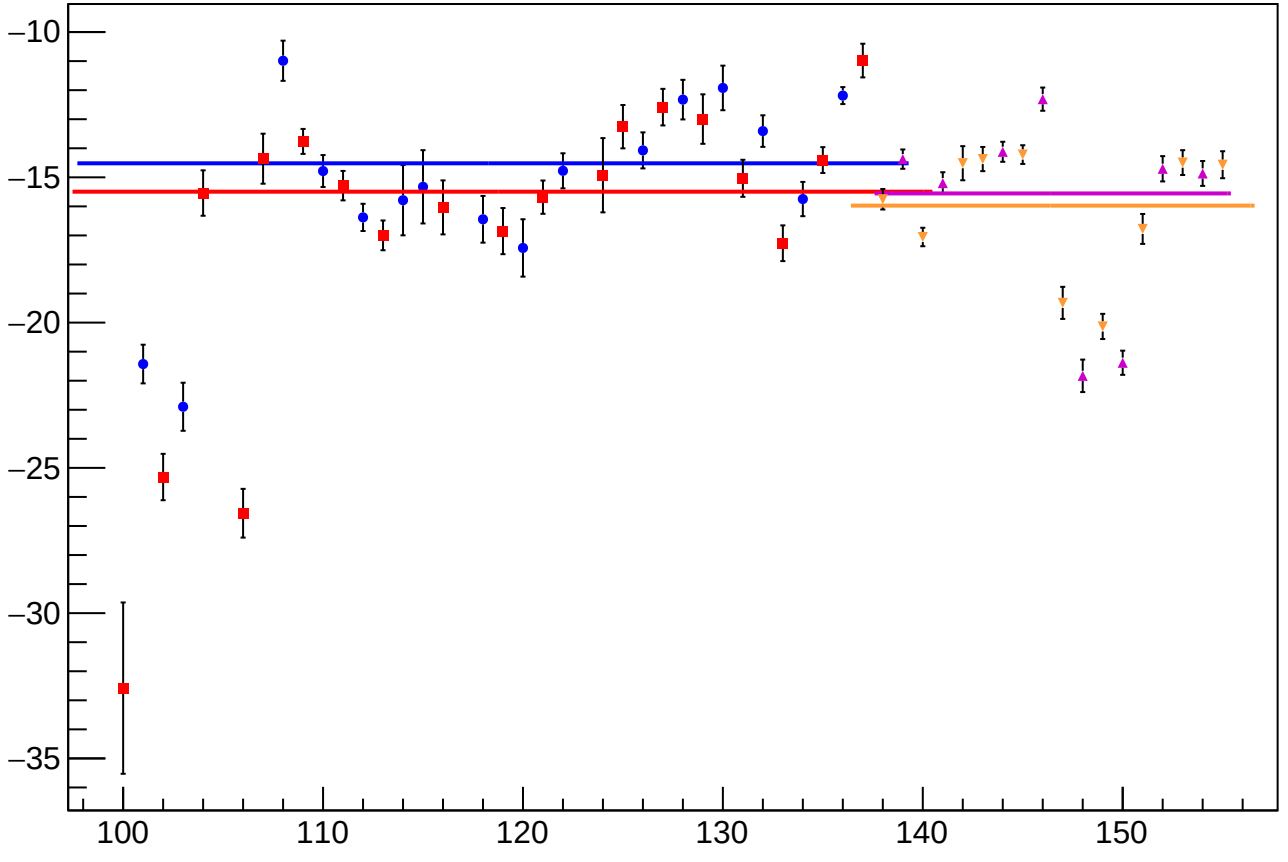
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.465+/-0.012 χ^2/NDF:921.4/23

Out: -0.453+/-0.012 χ^2/NDF:1188.0/28

All: -0.459+/-0.008 χ^2/NDF: 2109.9/52

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.974+/-0.130 χ^2/NDF:215.3/9

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.554+/-0.141 χ^2/NDF:425.6/7

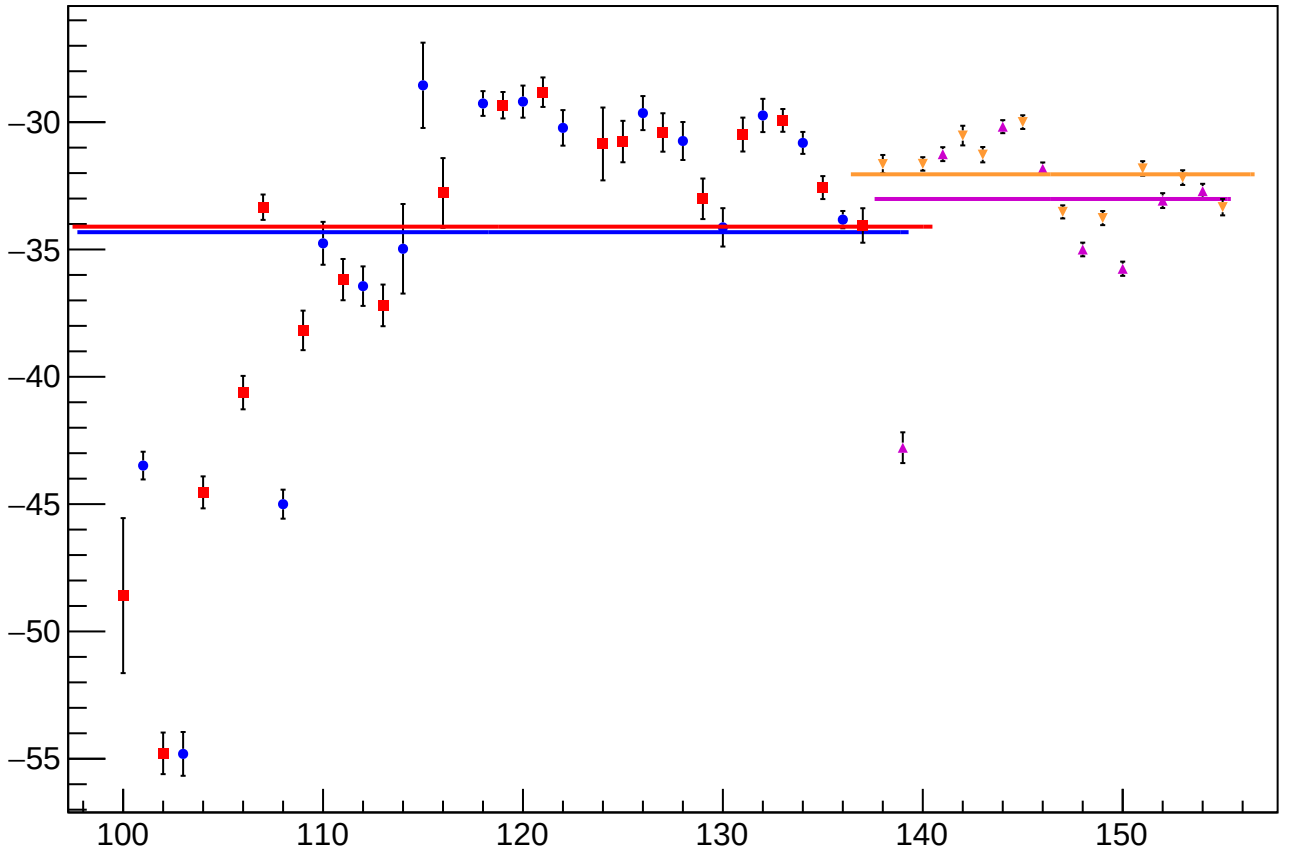
Left: -15.779+/-0.096 χ^2/NDF: 645.7/17

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -15.067+/-0.102 χ^2/NDF:814.4/23

Out: -15.767+/-0.098 χ^2/NDF:725.0/28

All: -15.431+/-0.071 χ^2/NDF: 1563.7/52



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -32.048+/-0.093 χ^2/NDF:171.8/9

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -33.017+/-0.101 χ^2/NDF:600.7/7

Left: -32.493+/-0.068 χ^2/NDF: 822.4/17

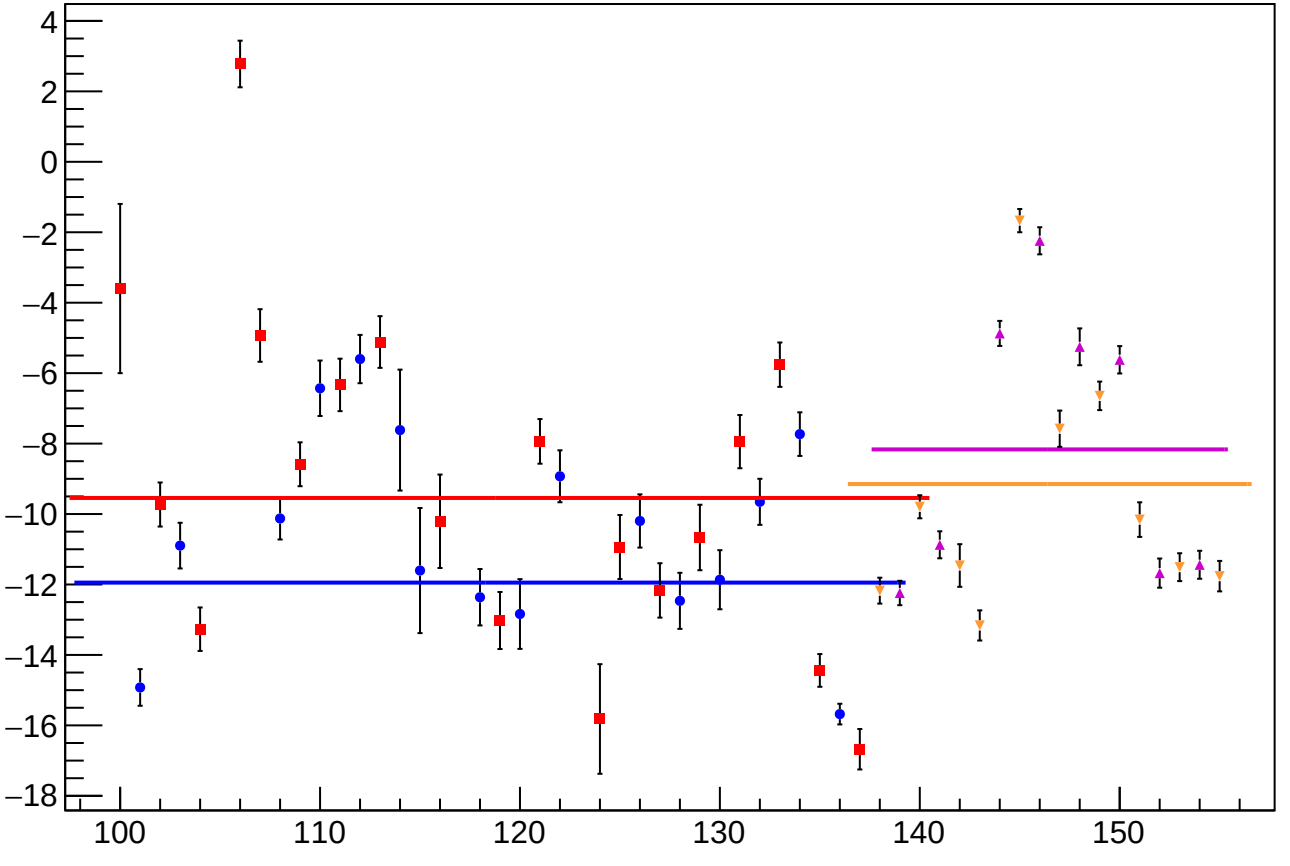
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -33.411+/-0.084 χ^2/NDF:2271.8/23

Out: -32.597+/-0.080 χ^2/NDF:1737.0/28

All: -32.981+/-0.058 χ^2/NDF: 4058.0/52

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: -9.149+/-0.129 χ^2/NDF:811.4/9

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -8.165+/-0.138 χ^2/NDF:725.1/7

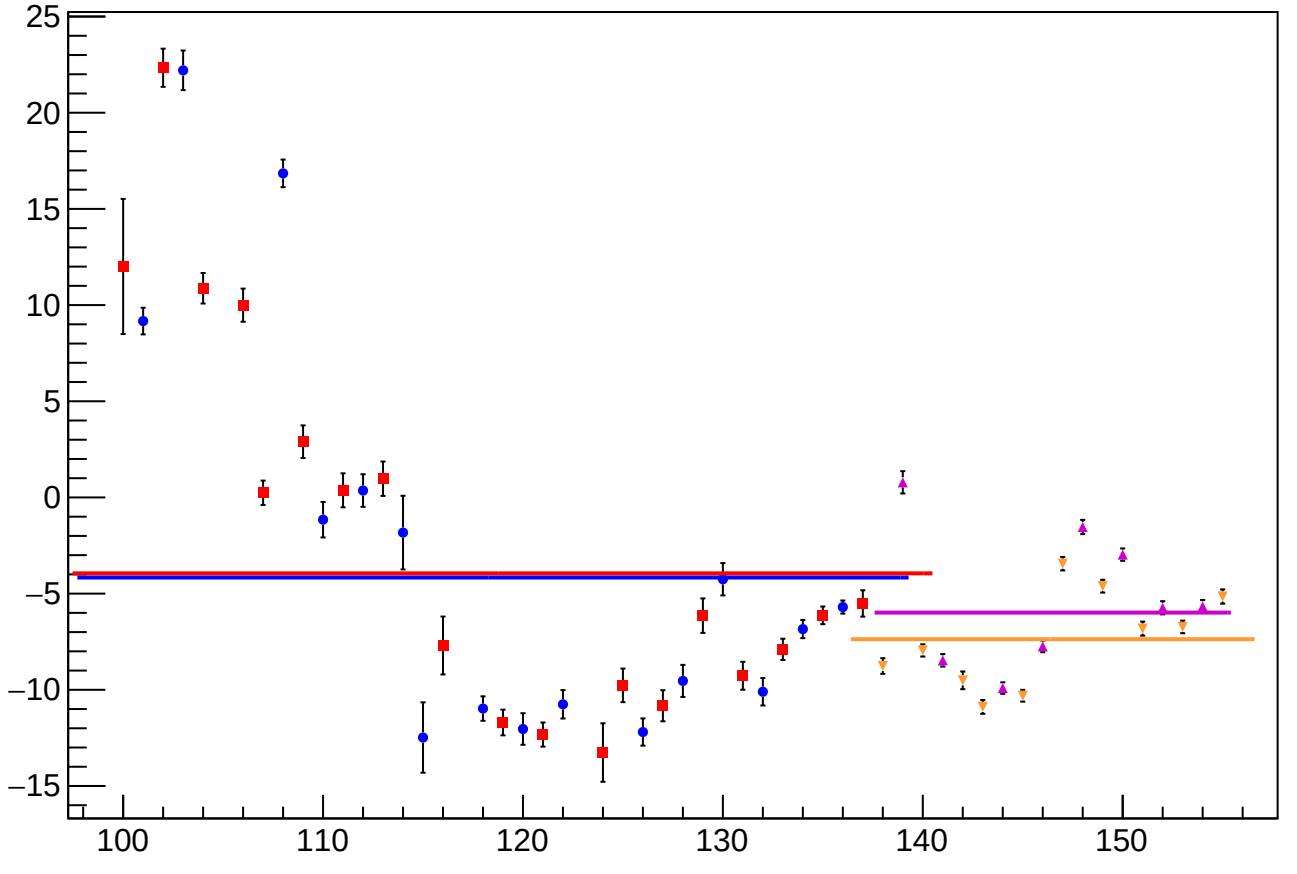
Left: -8.690+/-0.094 χ^2/NDF: 1563.5/17

Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -9.781+/-0.105 χ^2/NDF:1474.5/23

Out: -9.299+/-0.102 χ^2/NDF:1662.1/28

All: -9.533+/-0.073 χ^2/NDF: 3147.5/52



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -7.370+/-0.111 χ^2/NDF:461.9/9

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -5.986+/-0.121 χ^2/NDF:633.2/7

Left: -6.731+/-0.082 χ^2/NDF: 1166.1/17

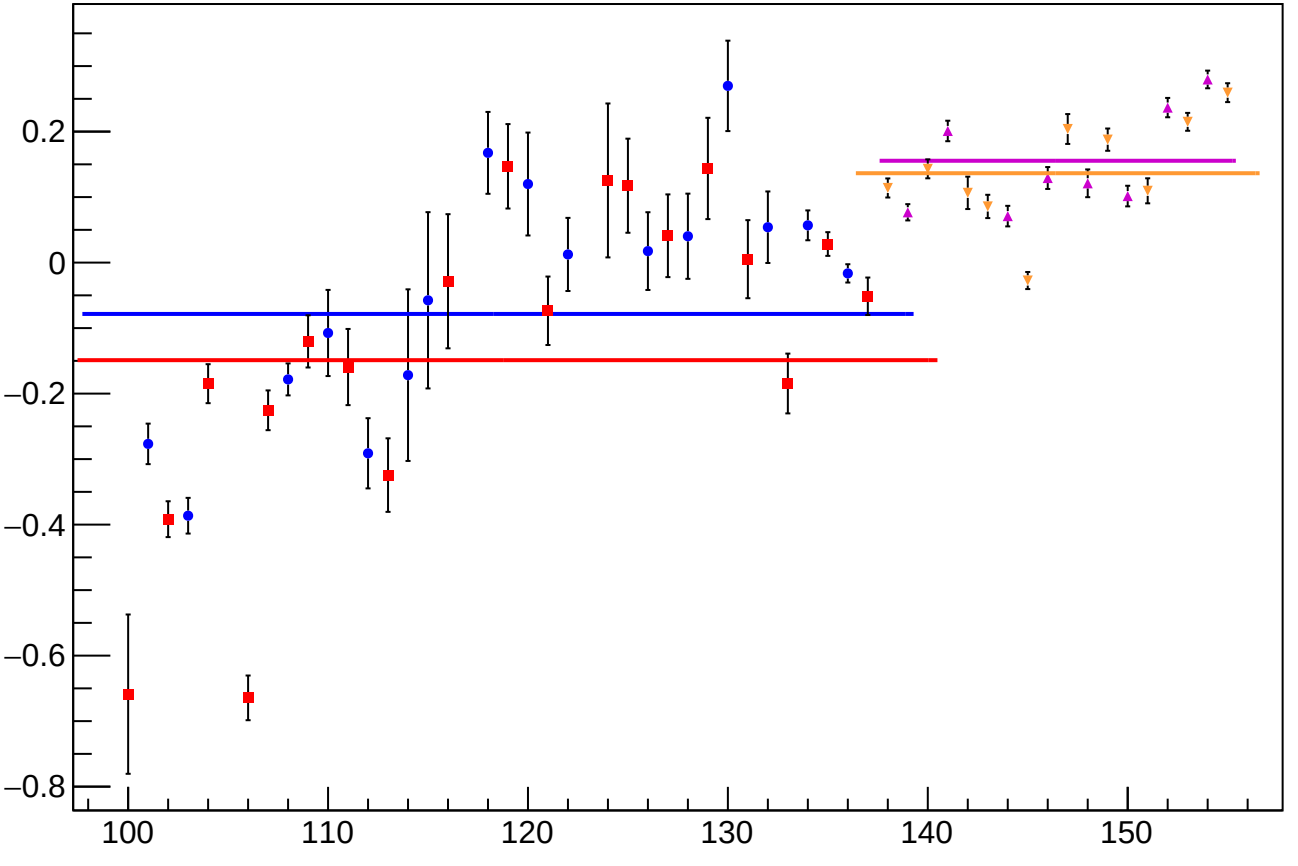
Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -5.385+/-0.099 χ^2/NDF:3233.6/23

Out: -6.390+/-0.094 χ^2/NDF:2841.9/28

All: -5.911+/-0.068 χ^2/NDF: 6129.7/52

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.136+/-0.005 χ^2/NDF:295.7/9

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.155+/-0.005 χ^2/NDF:209.4/7

Left: 0.145+/-0.004 χ^2/NDF: 511.7/17

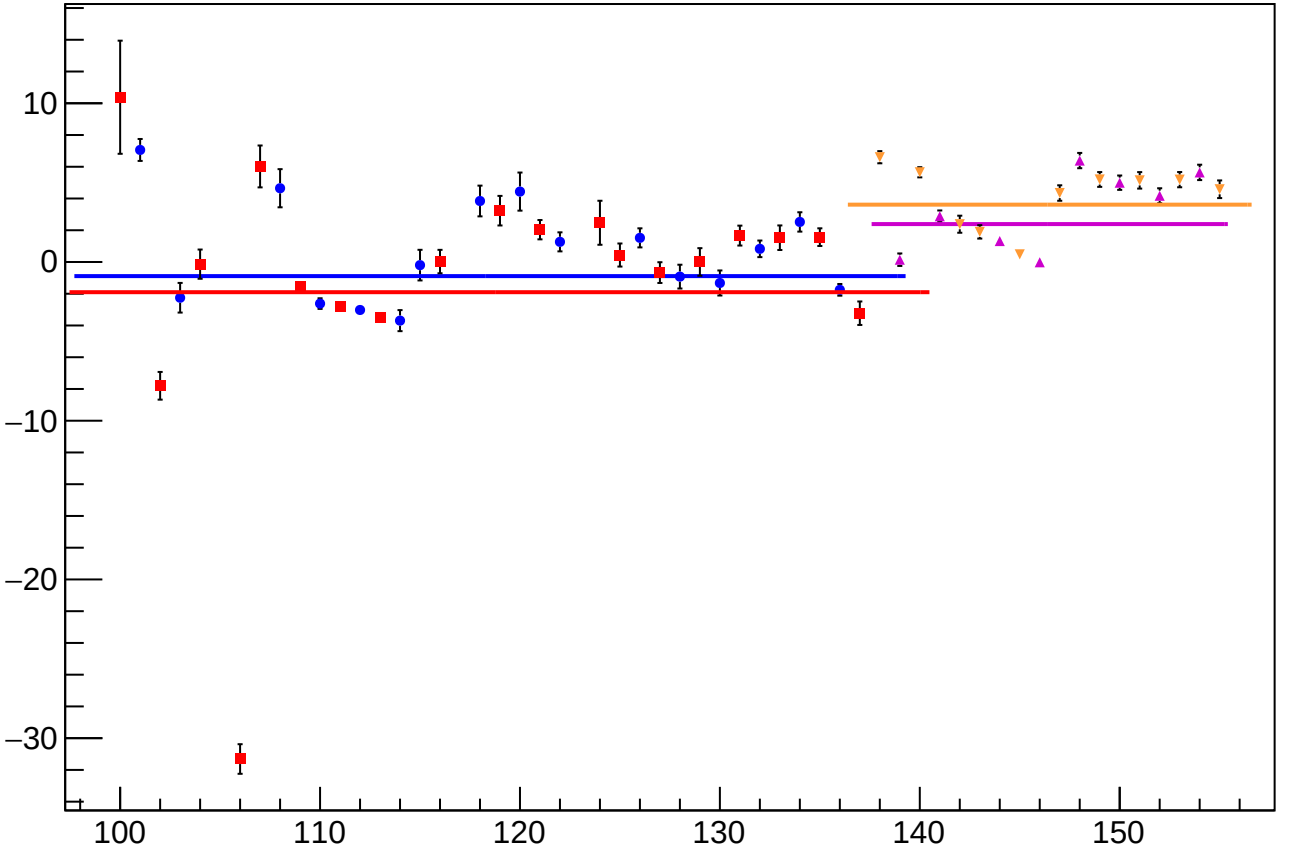
Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.089+/-0.005 χ^2/NDF:1062.2/23

Out: 0.068+/-0.004 χ^2/NDF:1572.5/28

All: 0.078+/-0.003 χ^2/NDF: 2646.0/52

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.613+/-0.127 χ^2/NDF:323.2/9

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 2.389+/-0.133 χ^2/NDF:275.5/7

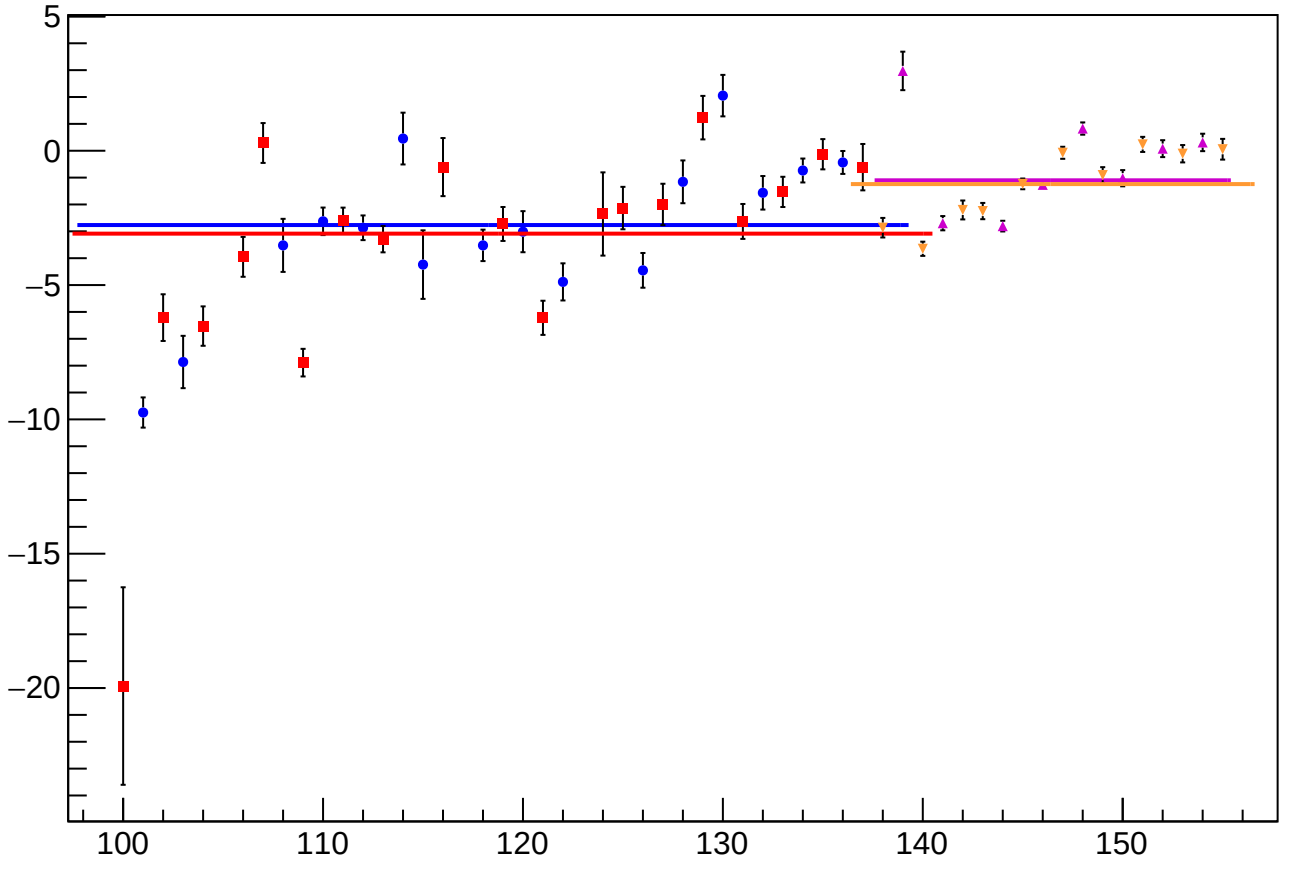
Left: 3.030+/-0.092 χ^2/NDF: 643.2/17

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 0.796+/-0.095 χ^2/NDF:951.8/23

Out: 0.894+/-0.090 χ^2/NDF:2591.1/28

All: 0.847+/-0.065 χ^2/NDF: 3543.4/52



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.241+/-0.089 χ^2/NDF:200.6/9

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.101+/-0.090 χ^2/NDF:247.0/7

Left: -1.172+/-0.063 χ^2/NDF: 448.8/17

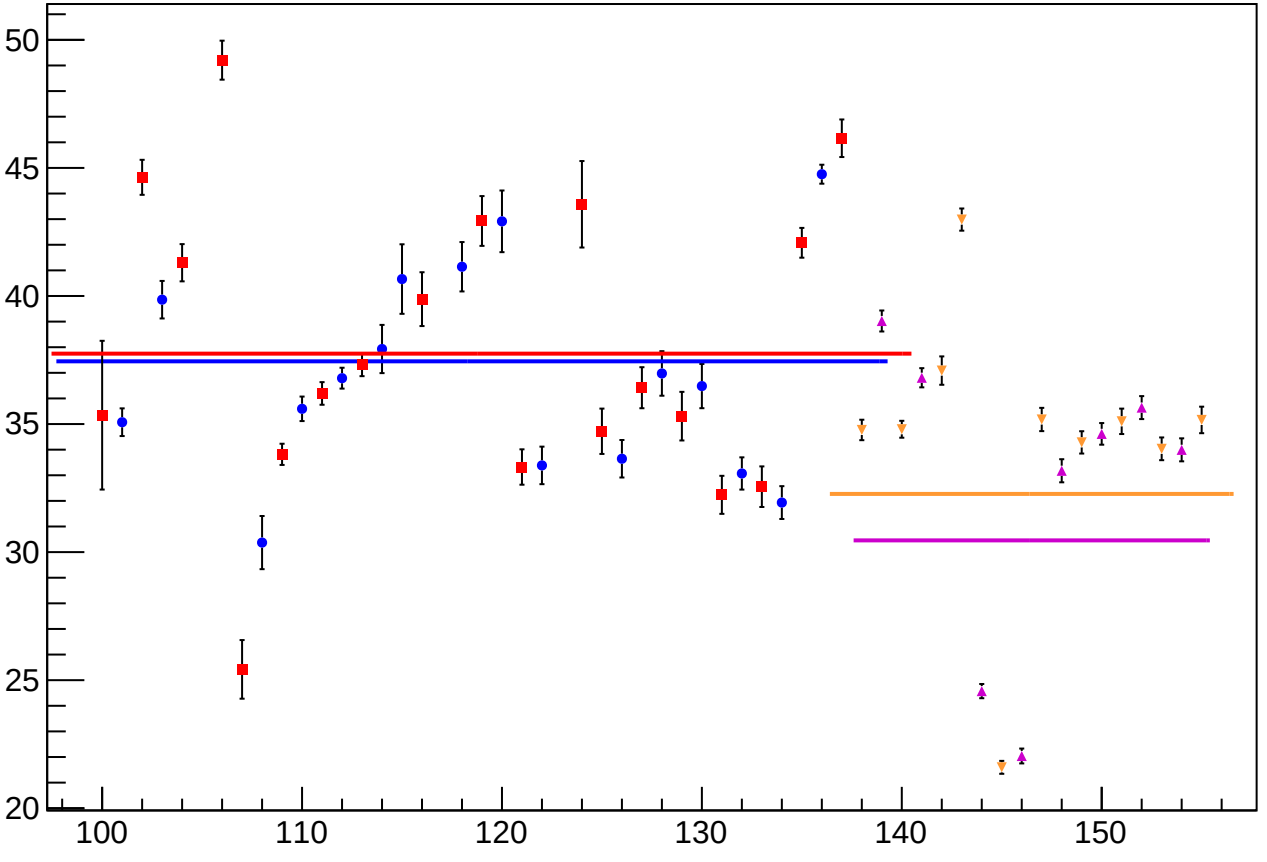
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.517+/-0.078 χ^2/NDF:642.2/23

Out: -1.688+/-0.078 χ^2/NDF:577.0/28

All: -1.603+/-0.055 χ^2/NDF: 1221.6/52

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 32.272+/-0.126 χ^2/NDF:2714.7/9

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 30.458+/-0.131 χ^2/NDF:2344.2/7

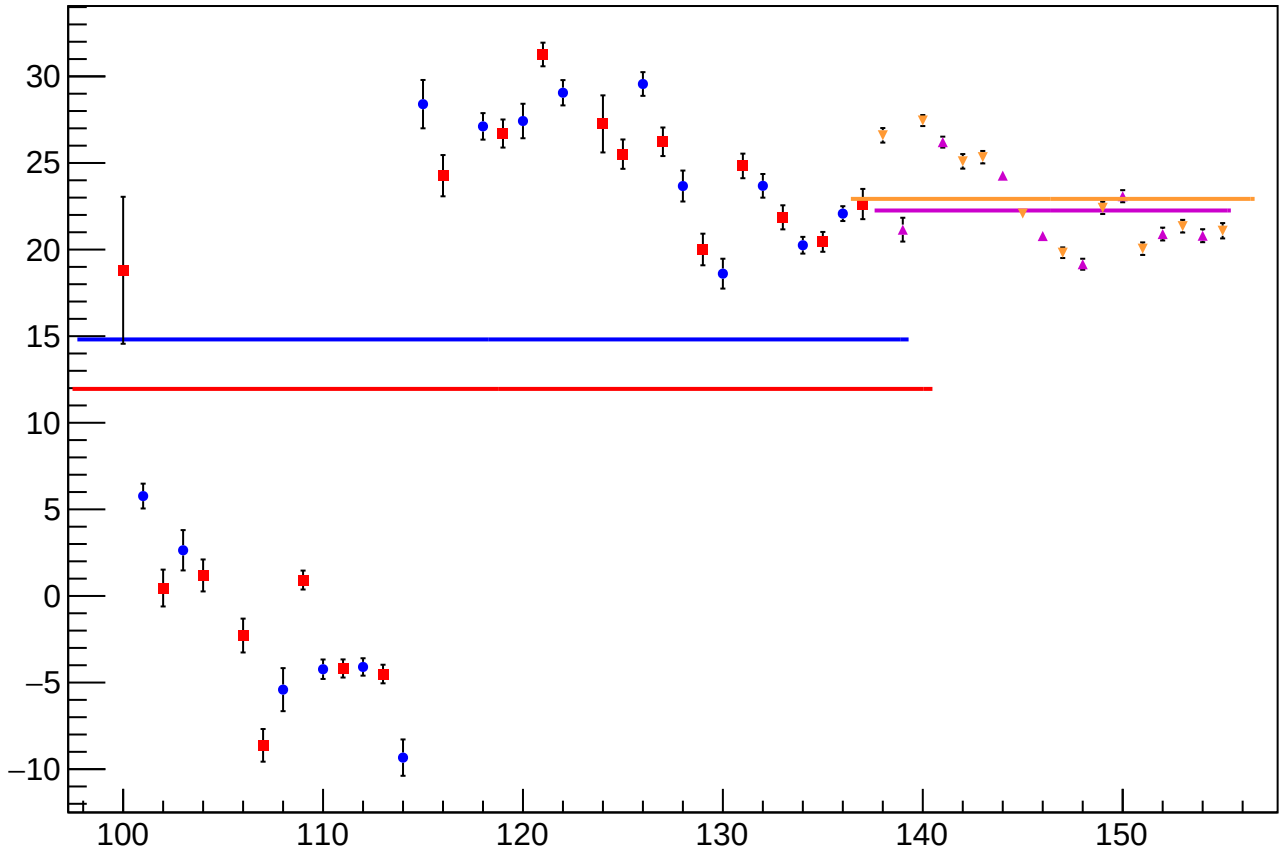
Left: 31.397+/-0.091 χ^2/NDF: 5158.4/17

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 33.245+/-0.101 χ^2/NDF:4188.8/23

Out: 34.383+/-0.099 χ^2/NDF:4403.7/28

All: 33.828+/-0.071 χ^2/NDF: 8657.0/52



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 22.927+/-0.107 χ^2/NDF:565.3/9

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.257+/-0.110 χ^2/NDF:406.2/7

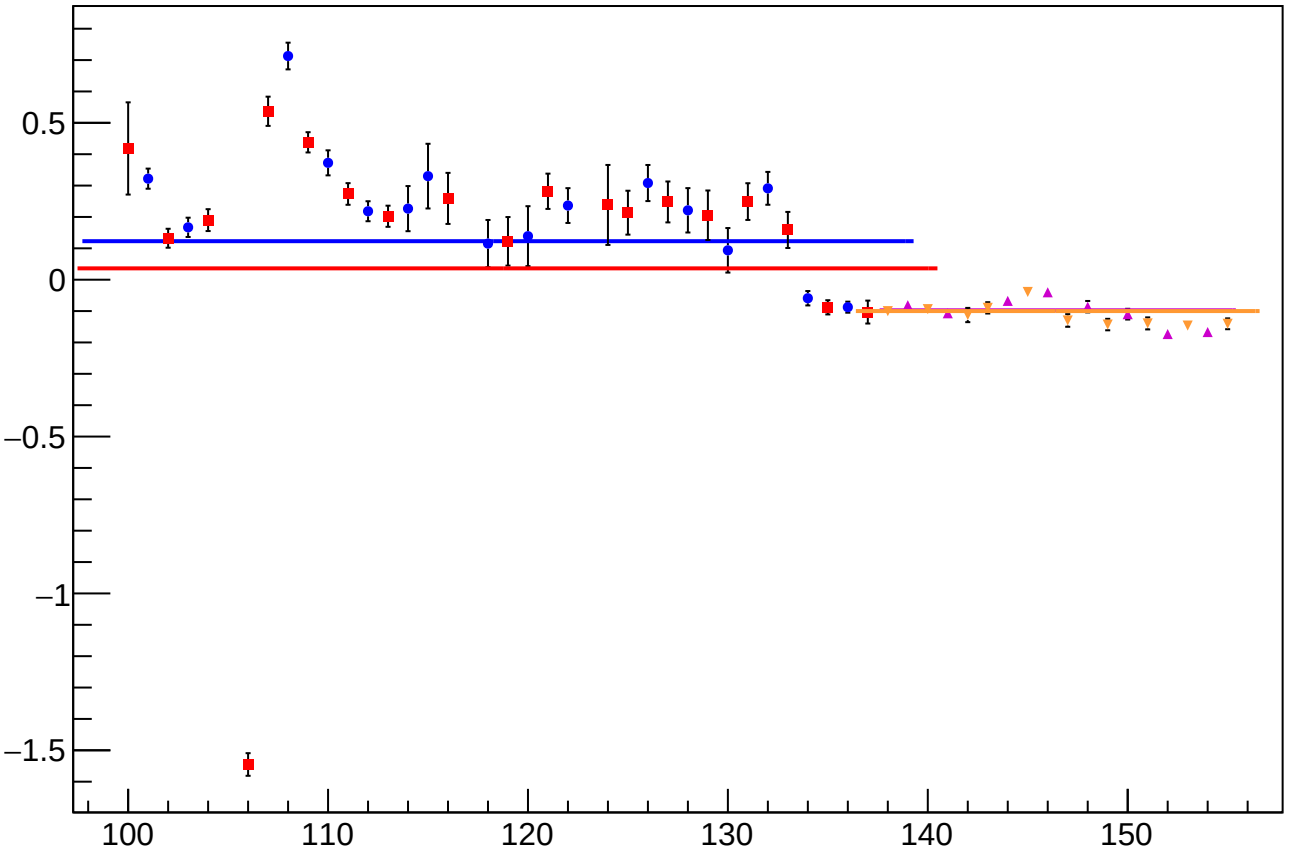
Left: 22.599+/-0.077 χ^2/NDF: 990.6/17

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 20.138+/-0.093 χ^2/NDF:7404.0/23

Out: 19.966+/-0.092 χ^2/NDF:9482.1/28

All: 20.051+/-0.065 χ^2/NDF: 16887.9/52



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.100+/-0.005 χ^2/NDF:64.3/9

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.098+/-0.005 χ^2/NDF:72.5/7

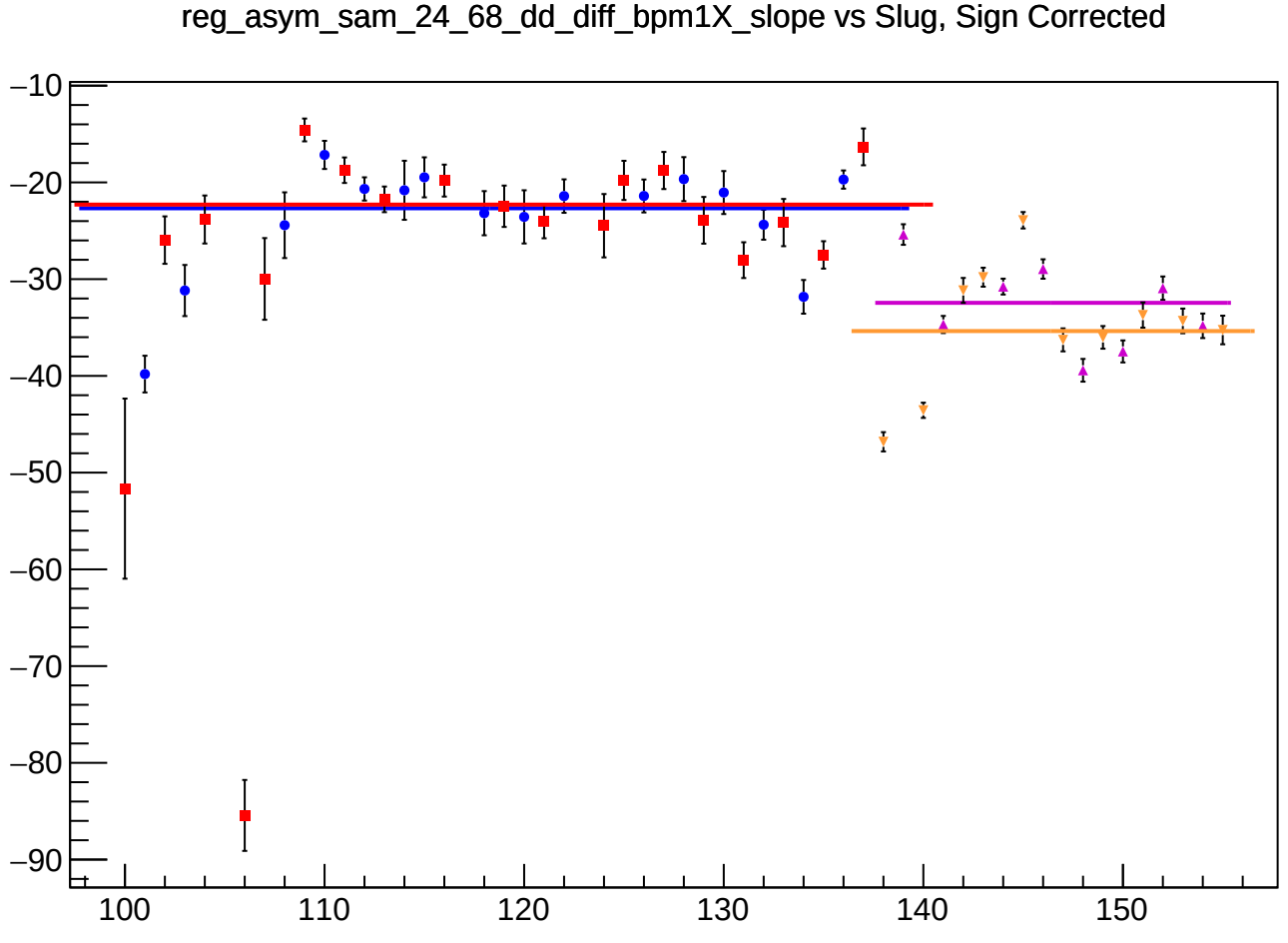
Left: -0.099+/-0.004 χ^2/NDF: 136.9/17

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

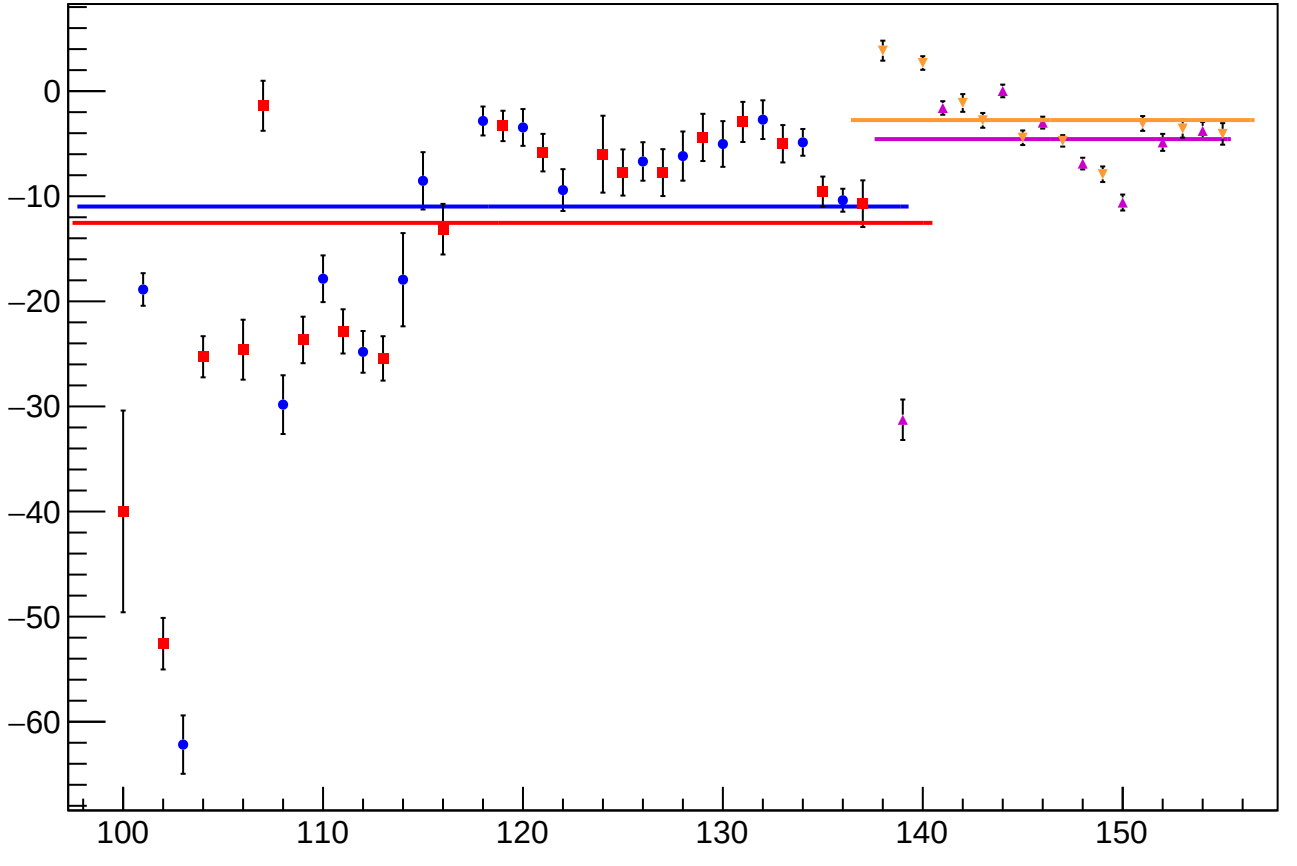
In: -0.046+/-0.005 χ^2/NDF:1011.0/23

Out: -0.071+/-0.004 χ^2/NDF:2632.1/28

All: -0.059+/-0.003 χ^2/NDF: 3659.4/52


reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
Right In: -22.675+/-0.435 χ²/NDF: 154.4/15
Left Out: -35.368+/-0.338 χ²/NDF:468.5/9
Right Out: -22.295+/-0.435 χ²/NDF: 405.5/18
Left In: -32.449+/-0.367 χ²/NDF:126.6/7
Left: -34.026+/-0.249 χ²/NDF: 629.3/17
Right: -22.485+/-0.307 χ²/NDF: 560.3/34
In: -28.383+/-0.280 χ²/NDF:576.5/23
Out: -30.447+/-0.267 χ²/NDF:1436.7/28
All: -29.465+/-0.193 χ²/NDF: 2041.7/52

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.752+/-0.233 χ^2/NDF:191.7/9

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -4.563+/-0.247 χ^2/NDF:360.3/7

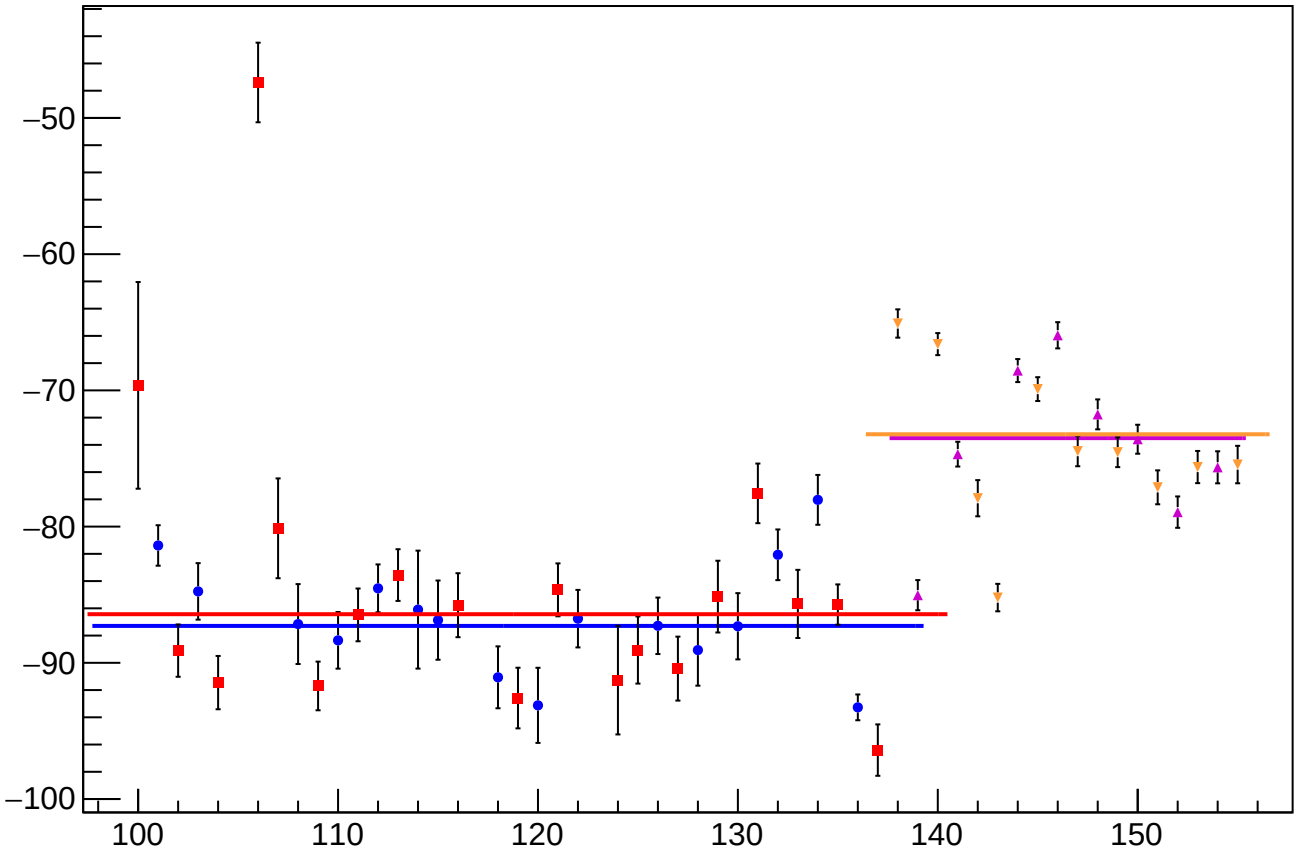
Left: -3.606+/-0.169 χ^2/NDF: 580.5/17

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -6.028+/-0.217 χ^2/NDF:1102.1/23

Out: -4.609+/-0.210 χ^2/NDF:1098.9/28

All: -5.295+/-0.151 χ^2/NDF: 2223.1/52



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -73.221+/-0.336 χ^2/NDF:315.7/9

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -73.505+/-0.361 χ^2/NDF:234.2/7

Left: -73.353+/-0.246 χ^2/NDF: 550.3/17

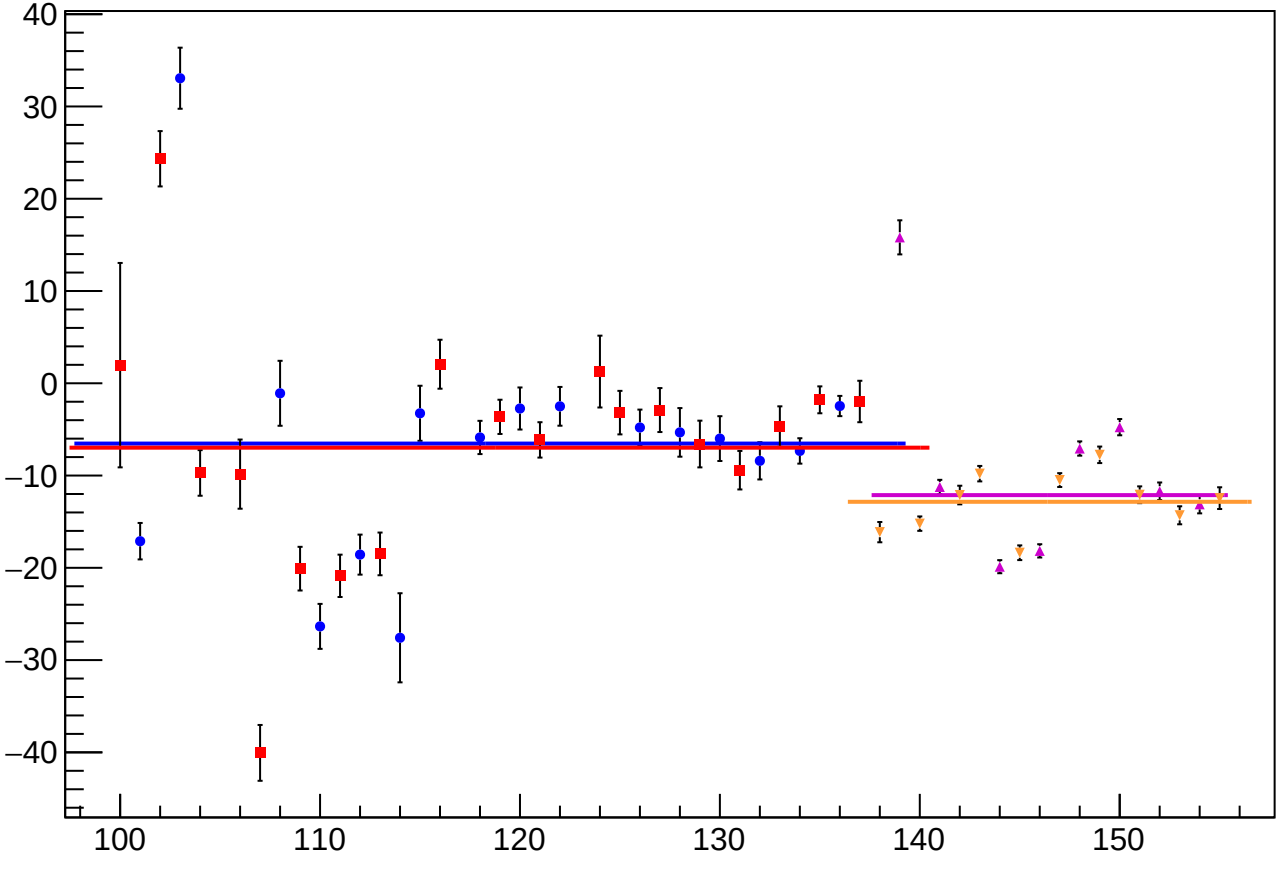
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -78.469+/-0.288 χ^2/NDF:861.9/23

Out: -77.266+/-0.280 χ^2/NDF:1053.5/28

All: -77.850+/-0.201 χ^2/NDF: 1924.4/52

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: -12.846+/-0.283 χ^2/NDF:125.2/9

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -12.121+/-0.302 χ^2/NDF:533.8/7

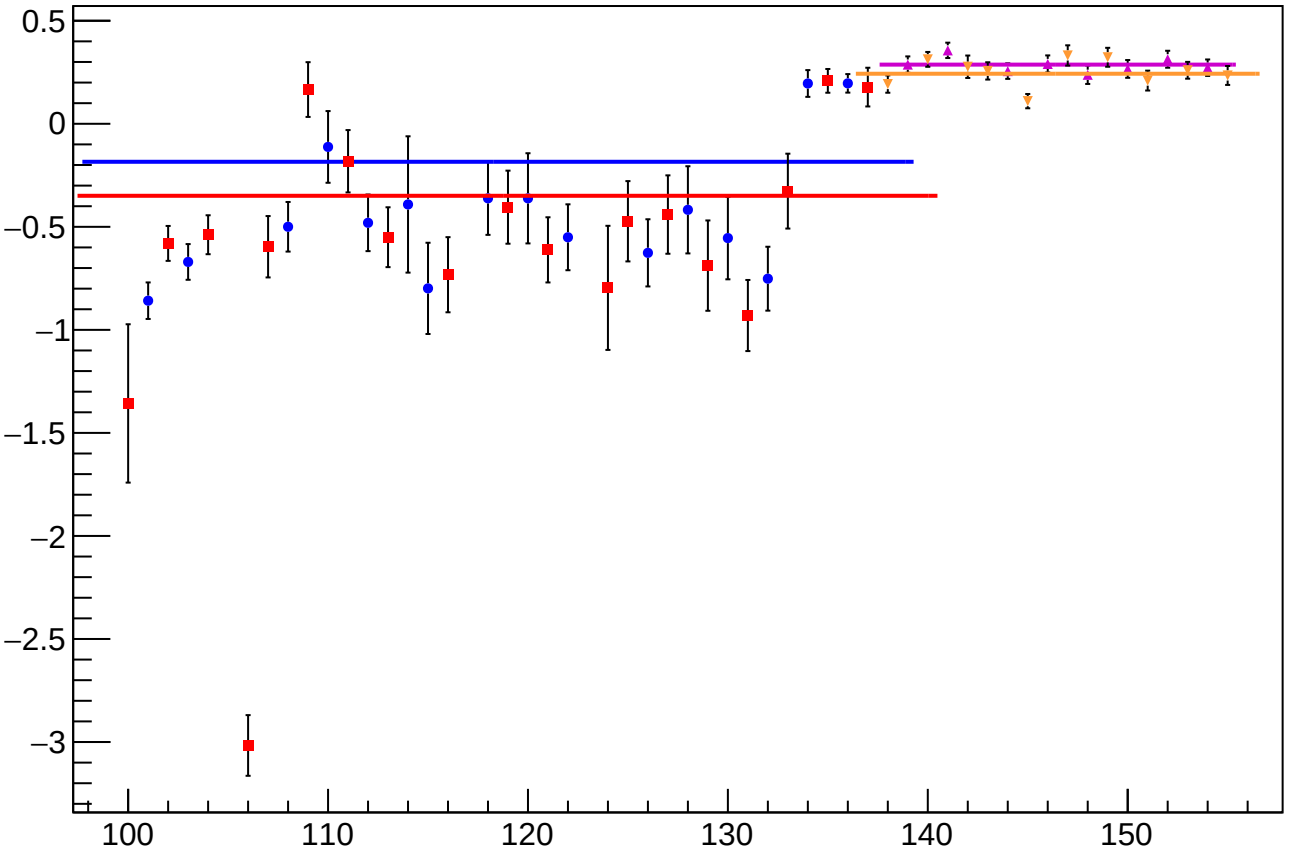
Left: -12.506+/-0.206 χ^2/NDF: 662.1/17

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -10.666+/-0.259 χ^2/NDF:937.2/23

Out: -11.585+/-0.251 χ^2/NDF:585.6/28

All: -11.140+/-0.180 χ^2/NDF: 1529.3/52



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.243+/-0.014 χ^2/NDF:27.3/9

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.287+/-0.014 χ^2/NDF:6.1/7

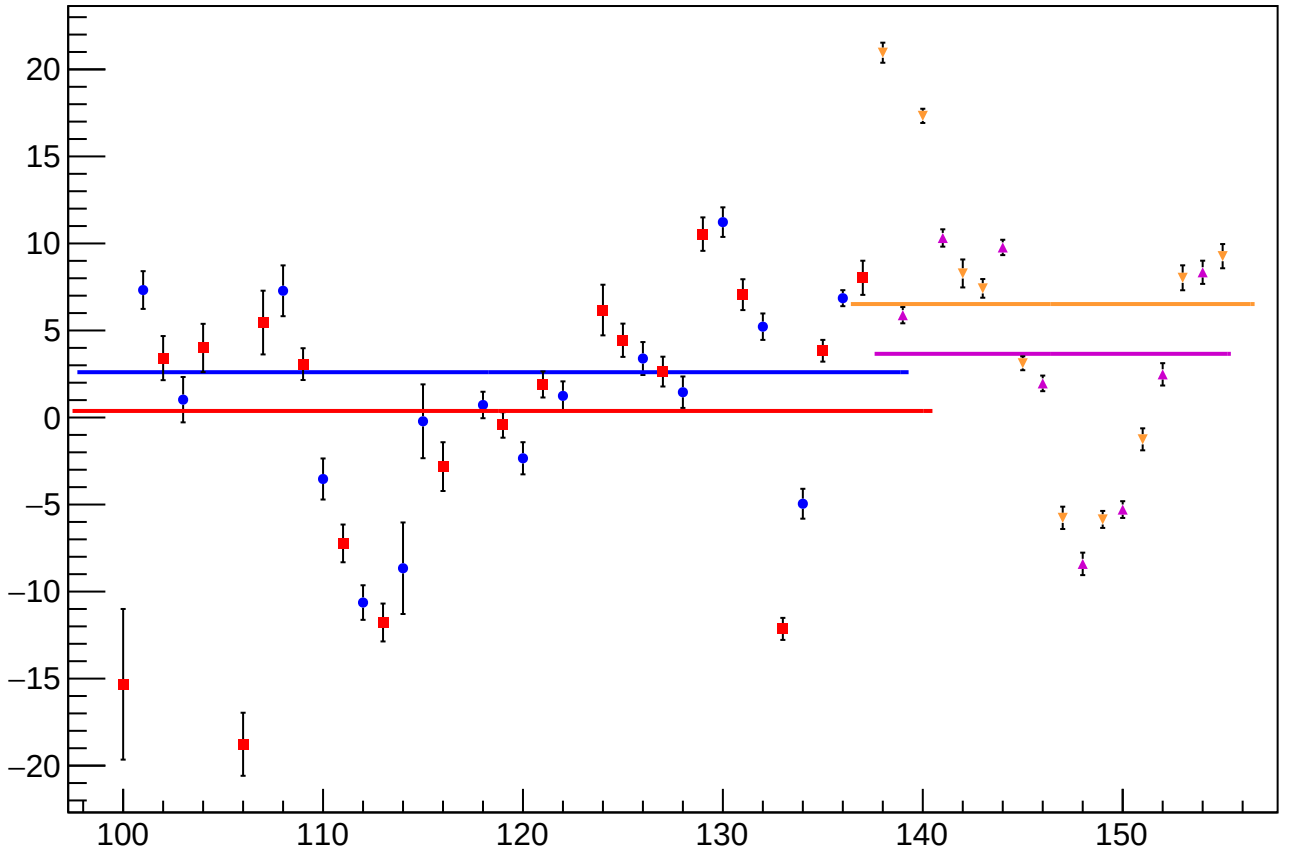
Left: 0.264+/-0.010 χ^2/NDF: 38.5/17

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.183+/-0.013 χ^2/NDF:494.9/23

Out: 0.139+/-0.012 χ^2/NDF:880.2/28

All: 0.160+/-0.009 χ^2/NDF: 1381.3/52



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 6.519+/-0.173 χ^2/NDF:2589.6/9

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 3.659+/-0.182 χ^2/NDF:1156.2/7

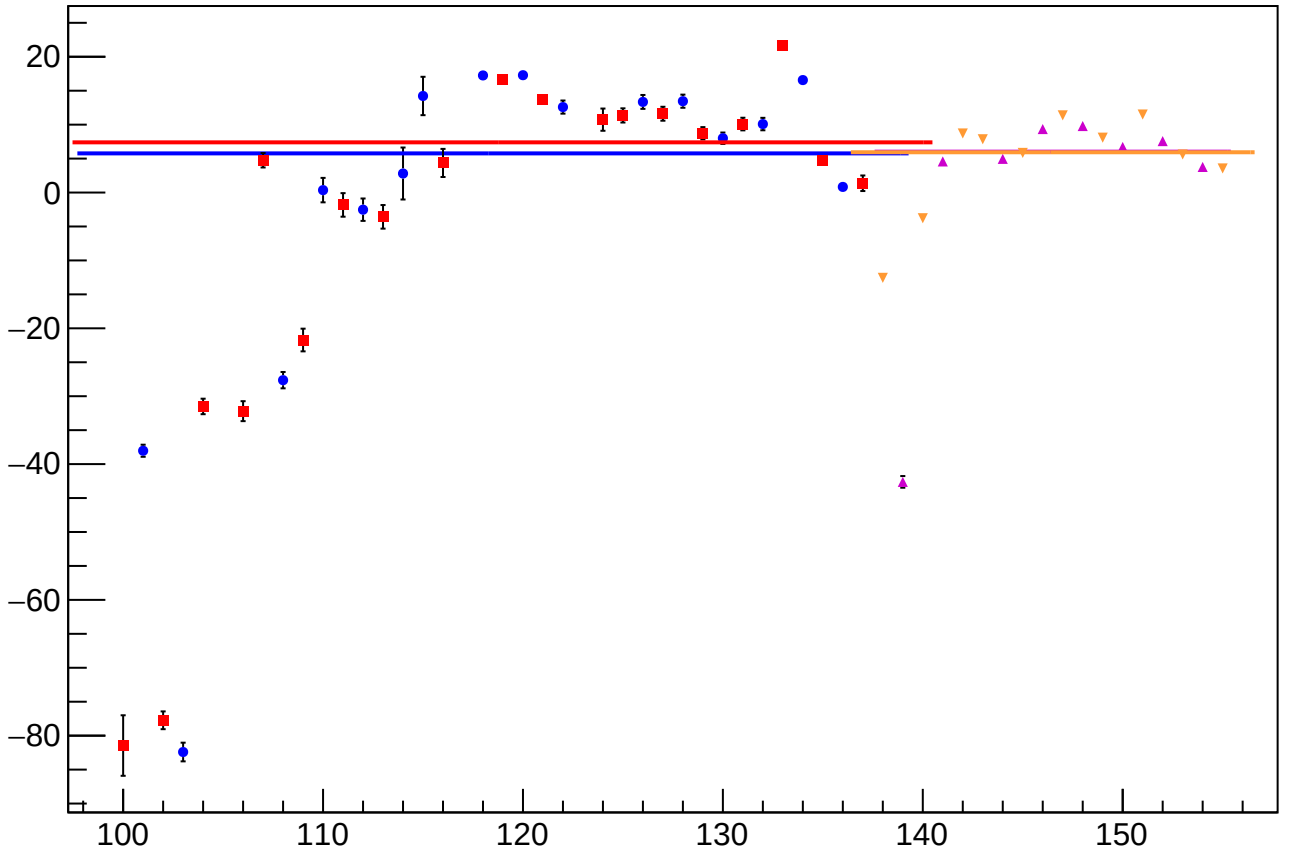
Left: 5.164+/-0.125 χ^2/NDF: 3875.6/17

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 3.239+/-0.141 χ^2/NDF:1742.7/23

Out: 4.204+/-0.136 χ^2/NDF:4096.5/28

All: 3.739+/-0.098 χ^2/NDF: 5863.3/52



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.933+/-0.121 χ^2/NDF:2517.9/9

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 6.022+/-0.127 χ^2/NDF:3572.0/7

Left: 5.975+/-0.088 χ^2/NDF: 6090.2/17

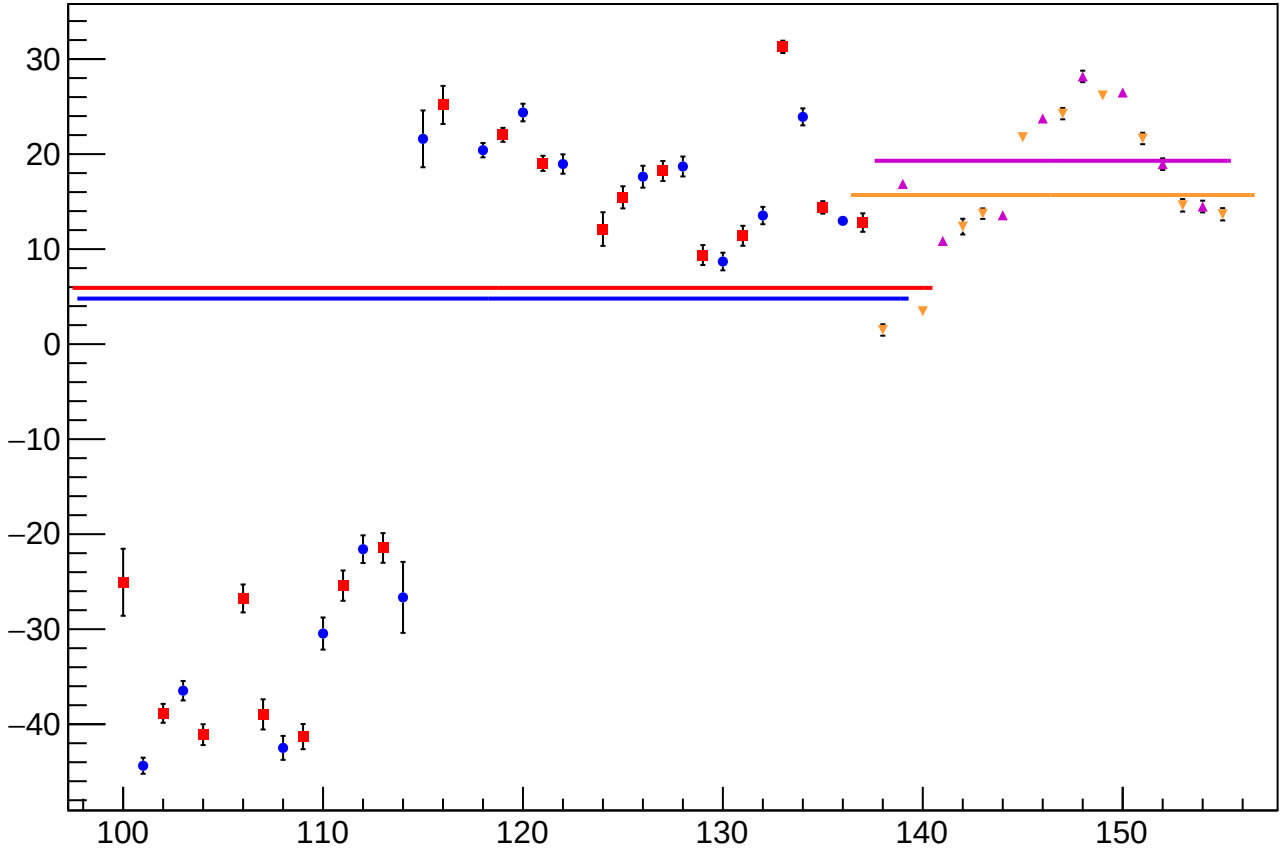
Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 5.954+/-0.109 χ^2/NDF:12506.9/23

Out: 6.299+/-0.104 χ^2/NDF:10945.2/28

All: 6.133+/-0.075 χ^2/NDF: 23457.3/52

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 15.693+/-0.171 χ^2/NDF:2498.3/9

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 19.295+/-0.179 χ^2/NDF:1095.7/7

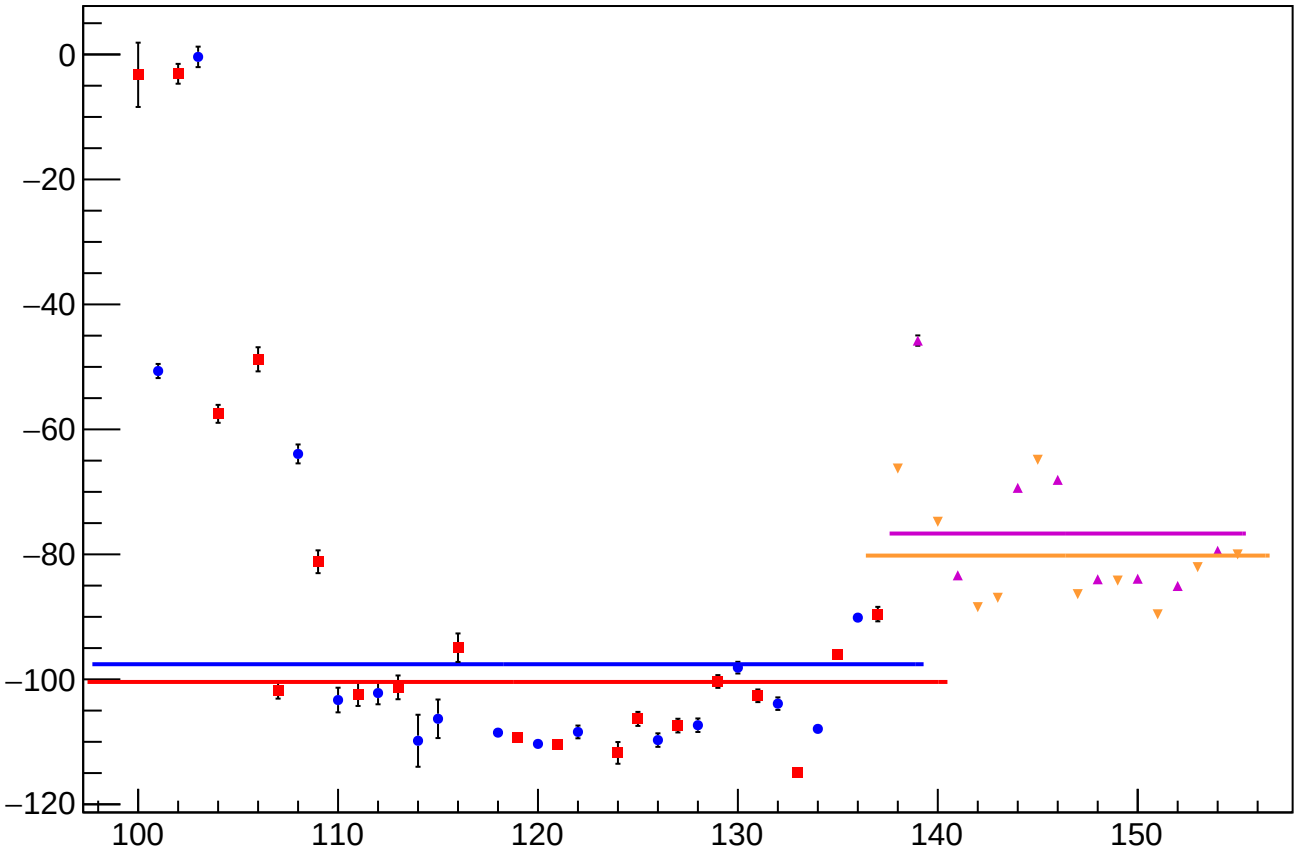
Left: 17.414+/-0.124 χ^2/NDF: 3805.8/17

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 14.045+/-0.143 χ^2/NDF:12972.7/23

Out: 12.399+/-0.139 χ^2/NDF:13657.7/28

All: 13.201+/-0.100 χ^2/NDF: 26698.4/52



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -80.195+/-0.146 χ^2/NDF:3443.6/9

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -76.668+/-0.153 χ^2/NDF:3609.7/7

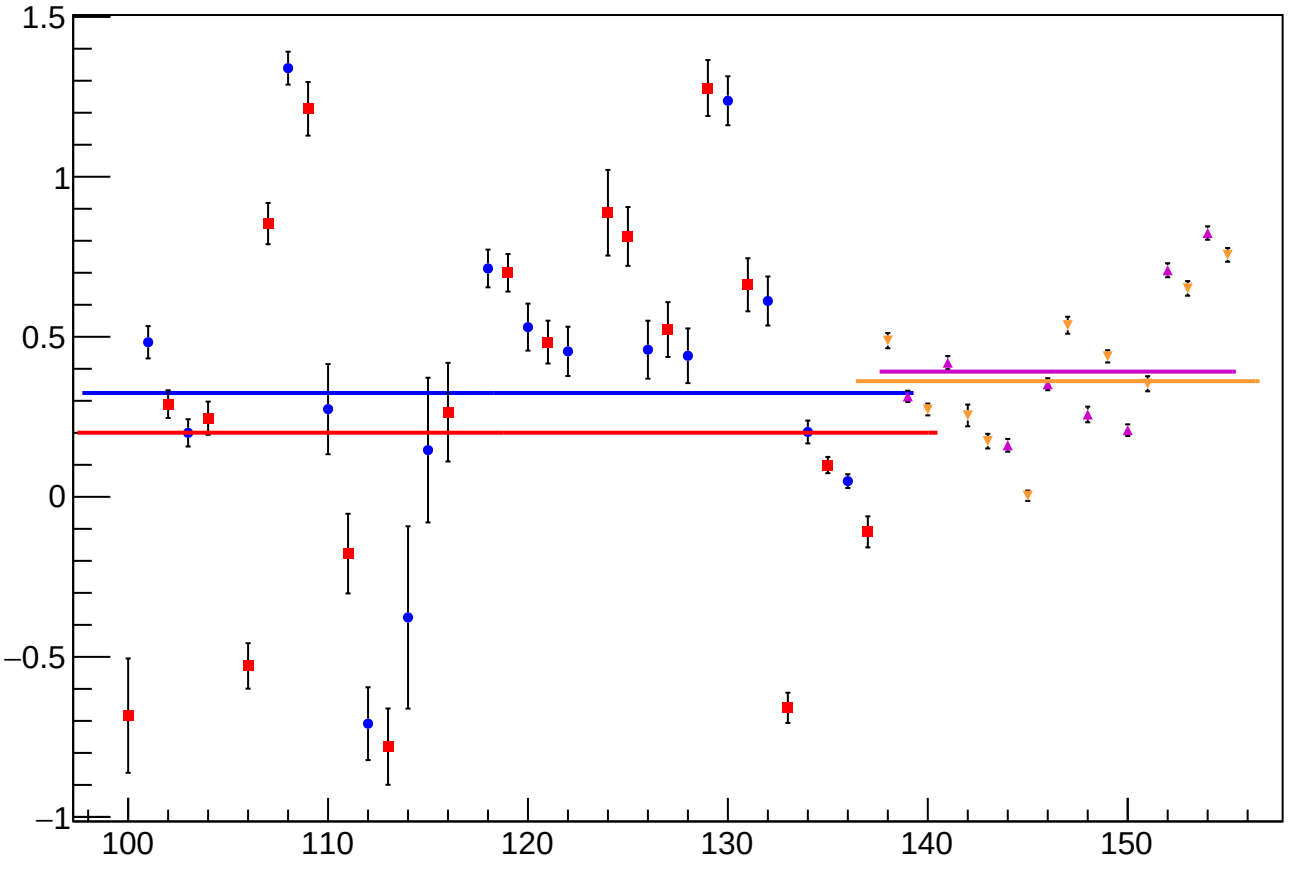
Left: -78.523+/-0.106 χ^2/NDF: 7331.2/17

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -82.676+/-0.130 χ^2/NDF:16090.1/23

Out: -85.608+/-0.125 χ^2/NDF:15716.8/28

All: -84.199+/-0.090 χ^2/NDF: 32072.9/52



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.361+/-0.007 χ^2/NDF:1173.7/9

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.391+/-0.007 χ^2/NDF:925.2/7

Left: 0.376+/-0.005 χ^2/NDF: 2108.0/17

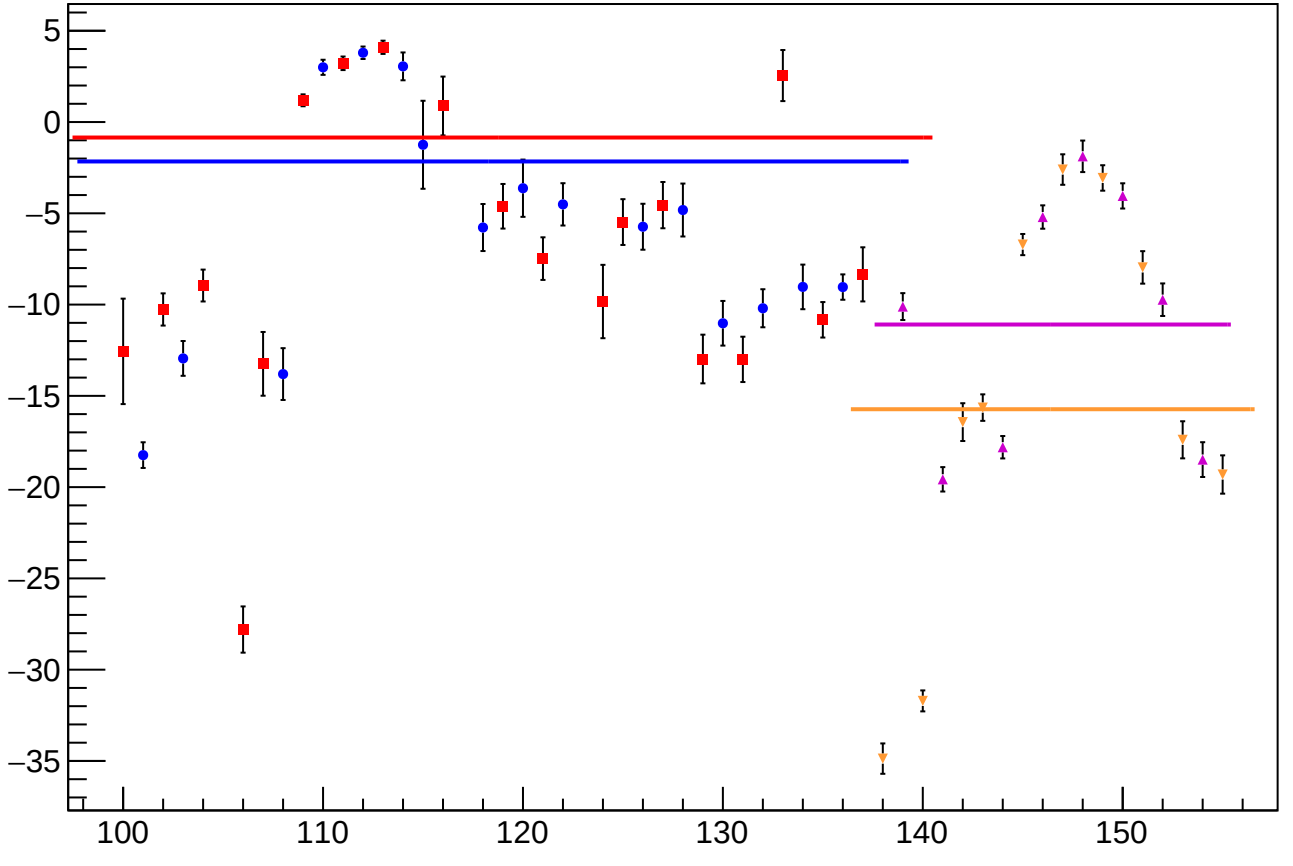
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.376+/-0.006 χ^2/NDF:1831.3/23

Out: 0.330+/-0.006 χ^2/NDF:2488.6/28

All: 0.353+/-0.004 χ^2/NDF: 4348.3/52

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: -15.732+/-0.243 χ^2/NDF:2213.6/9

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -11.092+/-0.258 χ^2/NDF:647.9/7

Left: -13.553+/-0.177 χ^2/NDF: 3032.5/17

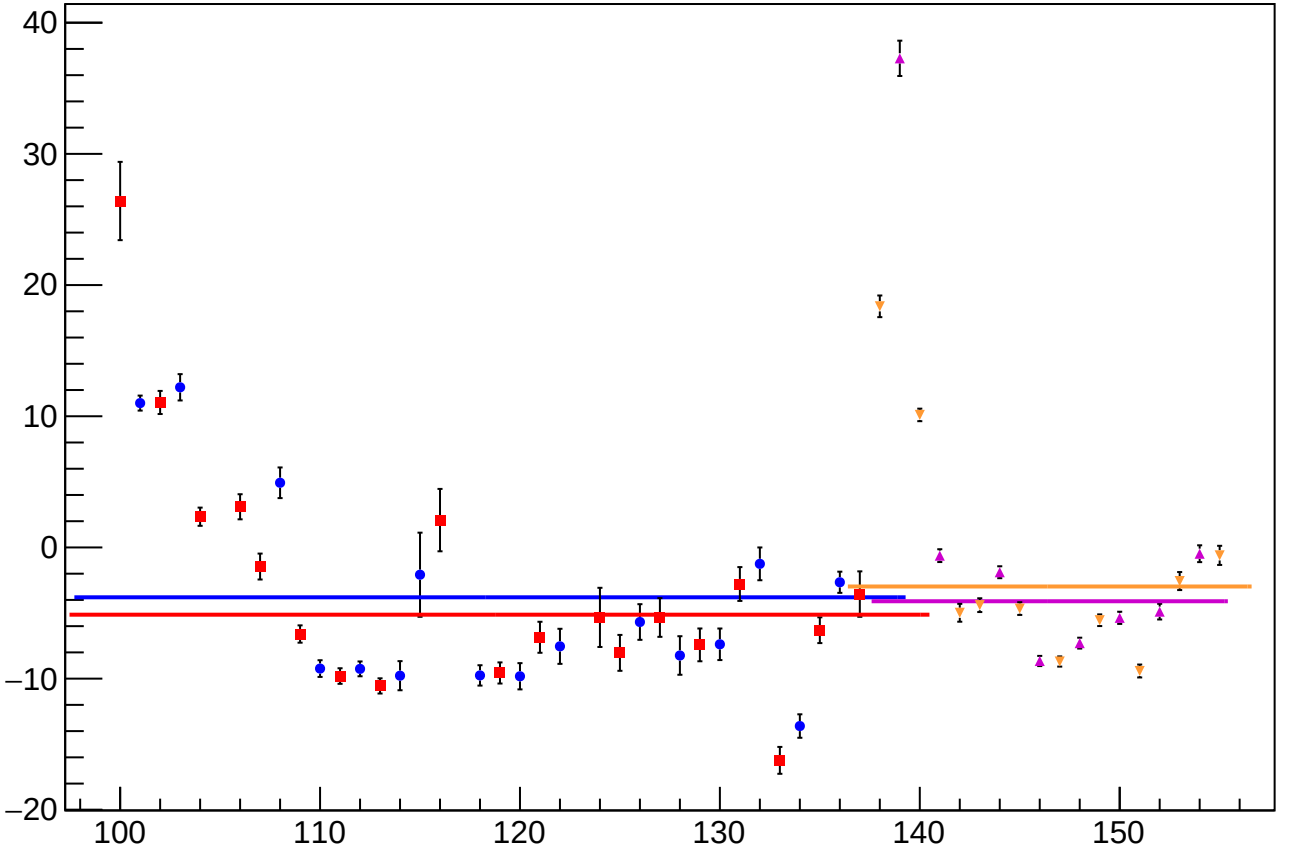
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -5.336+/-0.154 χ^2/NDF:2908.8/23

Out: -5.749+/-0.140 χ^2/NDF:6191.5/28

All: -5.563+/-0.103 χ^2/NDF: 9104.2/52

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: -2.977+/-0.167 χ^2/NDF:1879.1/9

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -4.102+/-0.177 χ^2/NDF:1258.0/7

Left: -3.508+/-0.122 χ^2/NDF: 3158.4/17

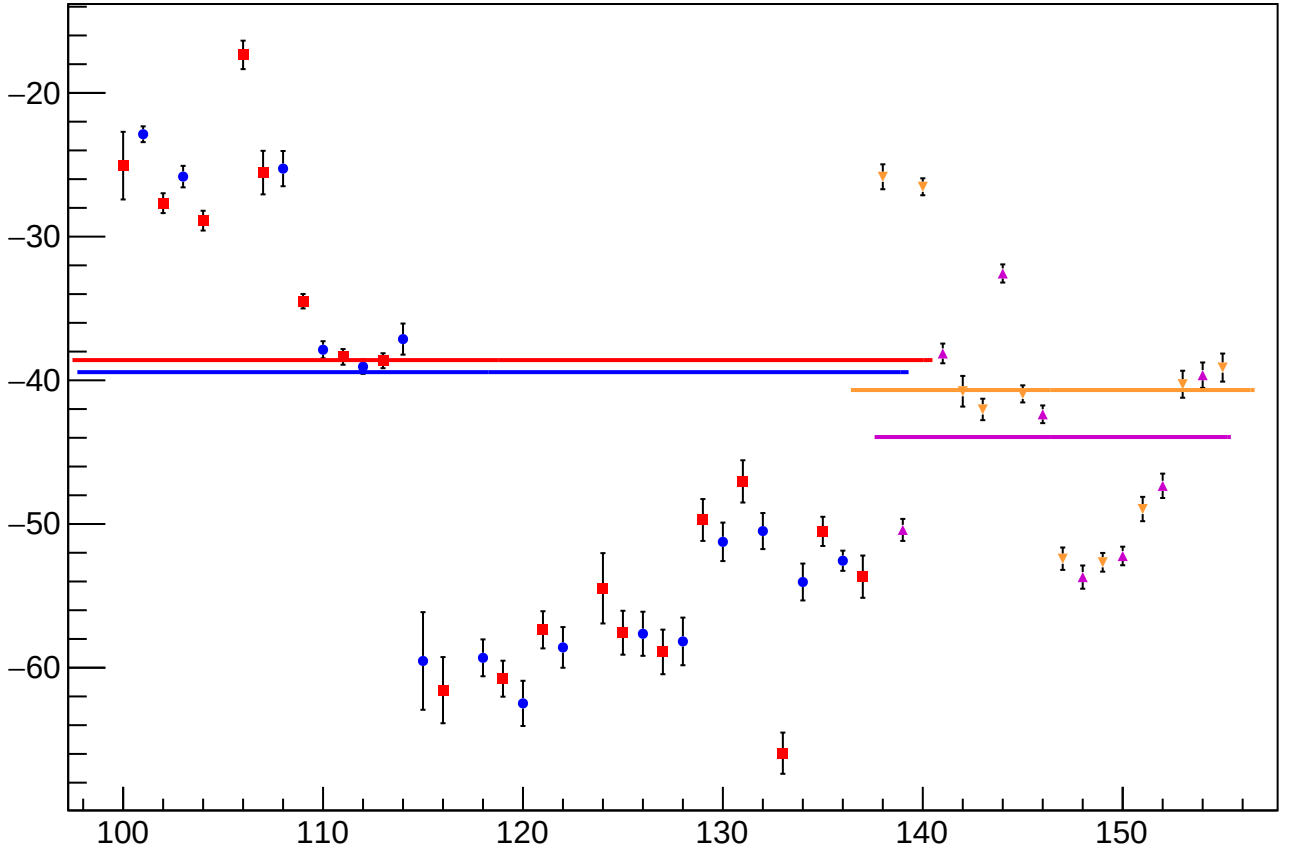
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.987+/-0.139 χ^2/NDF:2684.6/23

Out: -3.770+/-0.133 χ^2/NDF:2920.6/28

All: -3.874+/-0.096 χ^2/NDF: 5606.4/52

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -40.677+/-0.241 χ^2/NDF:1533.2/9

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -43.946+/-0.253 χ^2/NDF:823.3/7

Left: -42.227+/-0.175 χ^2/NDF: 2444.0/17

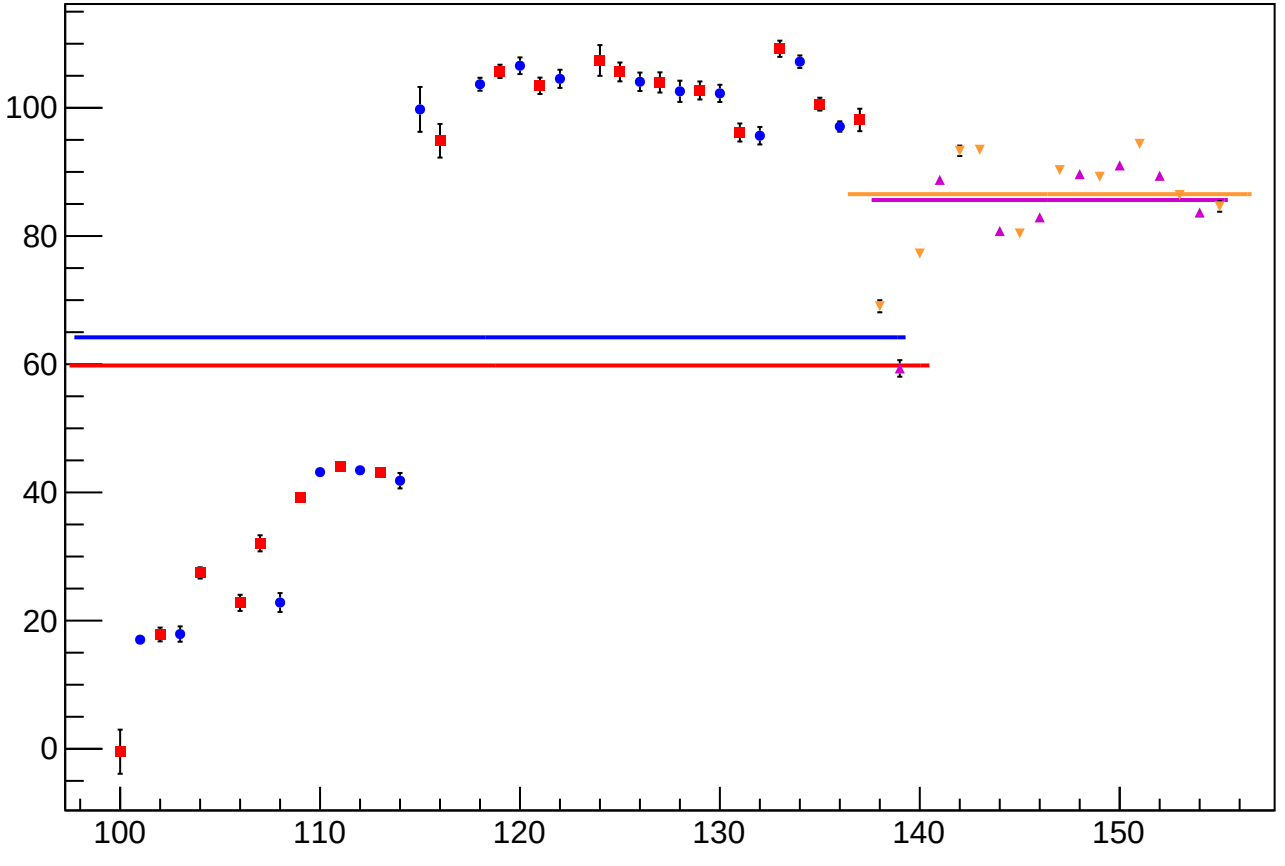
Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -41.426+/-0.168 χ^2/NDF:3958.6/23

Out: -39.506+/-0.159 χ^2/NDF:4347.4/28

All: -40.412+/-0.116 χ^2/NDF: 8374.6/52

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: 86.531+/-0.203 χ^2/NDF:1159.1/9

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 85.618+/-0.214 χ^2/NDF:744.1/7

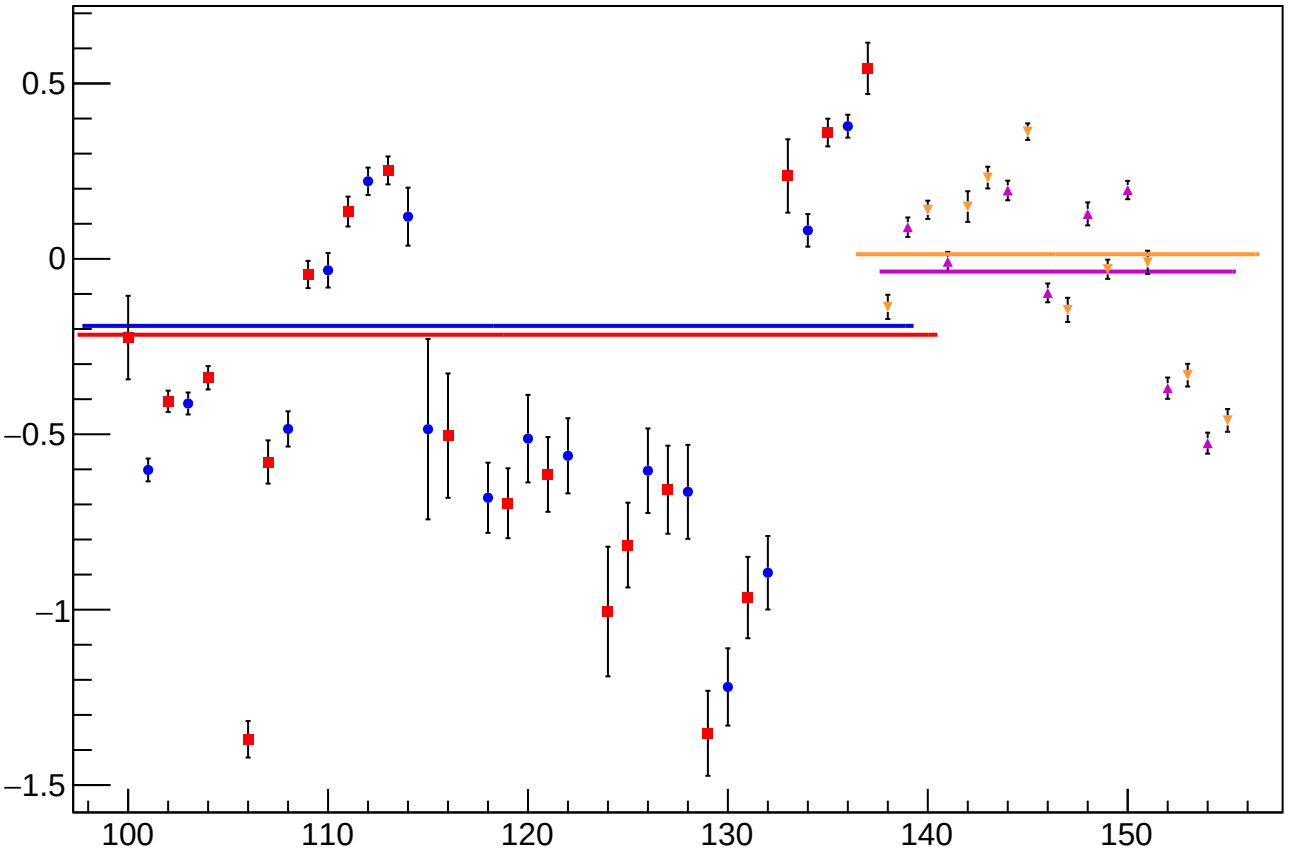
Left: 86.098+/-0.147 χ^2/NDF: 1912.7/17

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 76.857+/-0.165 χ^2/NDF:23431.1/23

Out: 75.834+/-0.157 χ^2/NDF:25514.1/28

All: 76.322+/-0.114 χ^2/NDF: 48965.3/52



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.013+/-0.010 χ^2/NDF:671.1/9

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.036+/-0.010 χ^2/NDF:585.7/7

Left: -0.011+/-0.007 χ^2/NDF: 1269.2/17

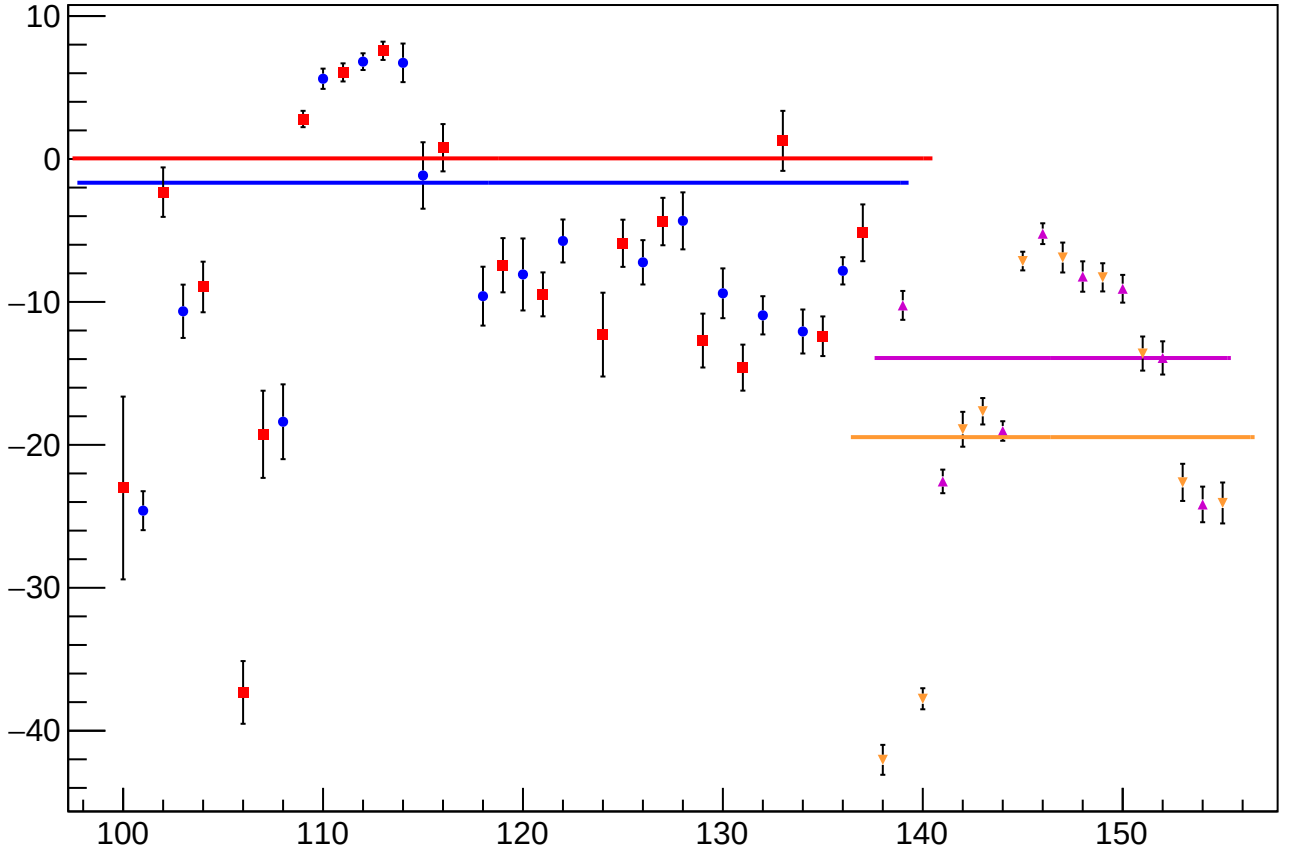
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.092+/-0.008 χ^2/NDF:1589.0/23

Out: -0.069+/-0.008 χ^2/NDF:2240.6/28

All: -0.080+/-0.006 χ^2/NDF: 3833.8/52

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: -19.459+/-0.306 χ^2/NDF:1755.2/9

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -13.924+/-0.319 χ^2/NDF:443.0/7

Left: -16.807+/-0.221 χ^2/NDF: 2354.8/17

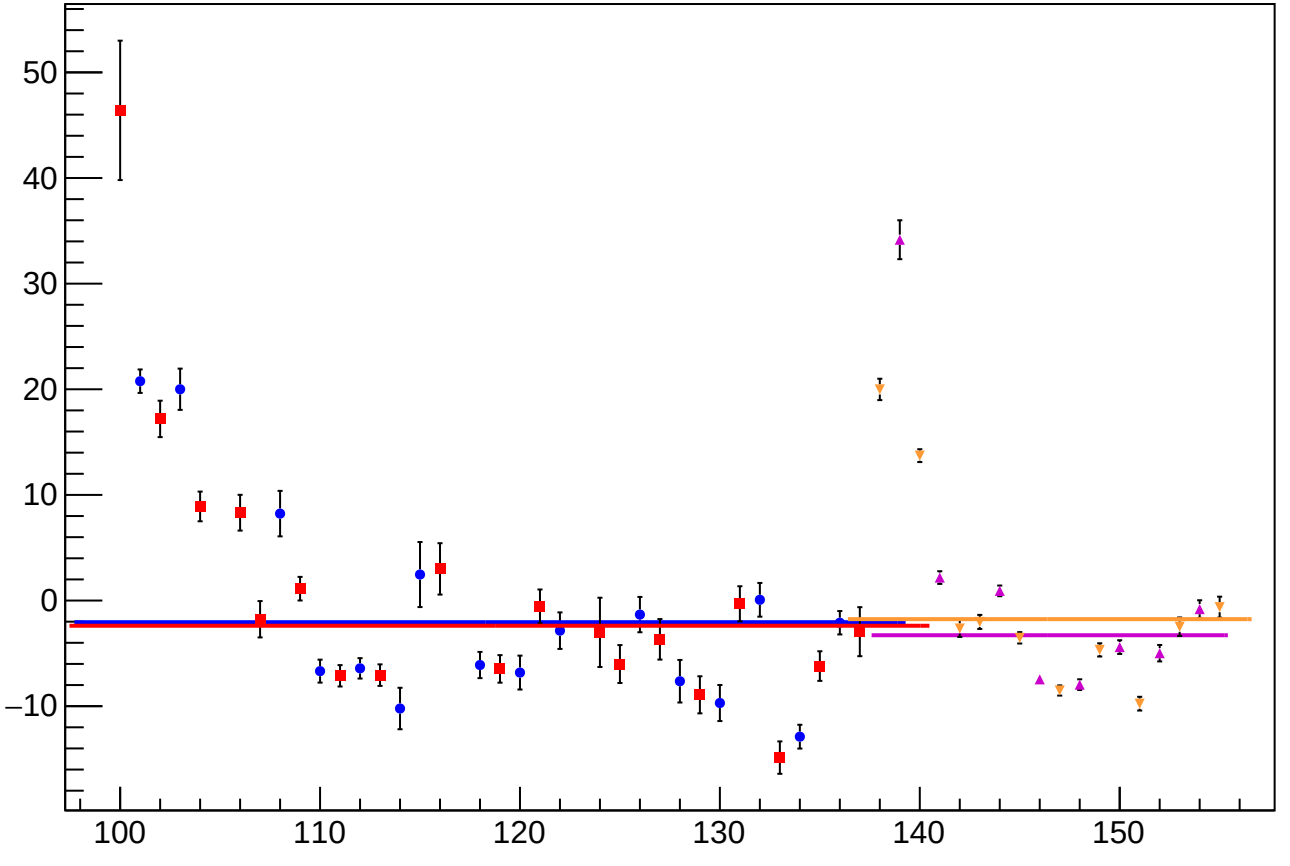
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -7.575+/-0.222 χ^2/NDF:2107.4/23

Out: -8.905+/-0.207 χ^2/NDF:4881.8/28

All: -8.284+/-0.151 χ^2/NDF: 7008.4/52

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: -1.761+/-0.211 χ^2/NDF:1492.9/9

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -3.284+/-0.214 χ^2/NDF:761.2/7

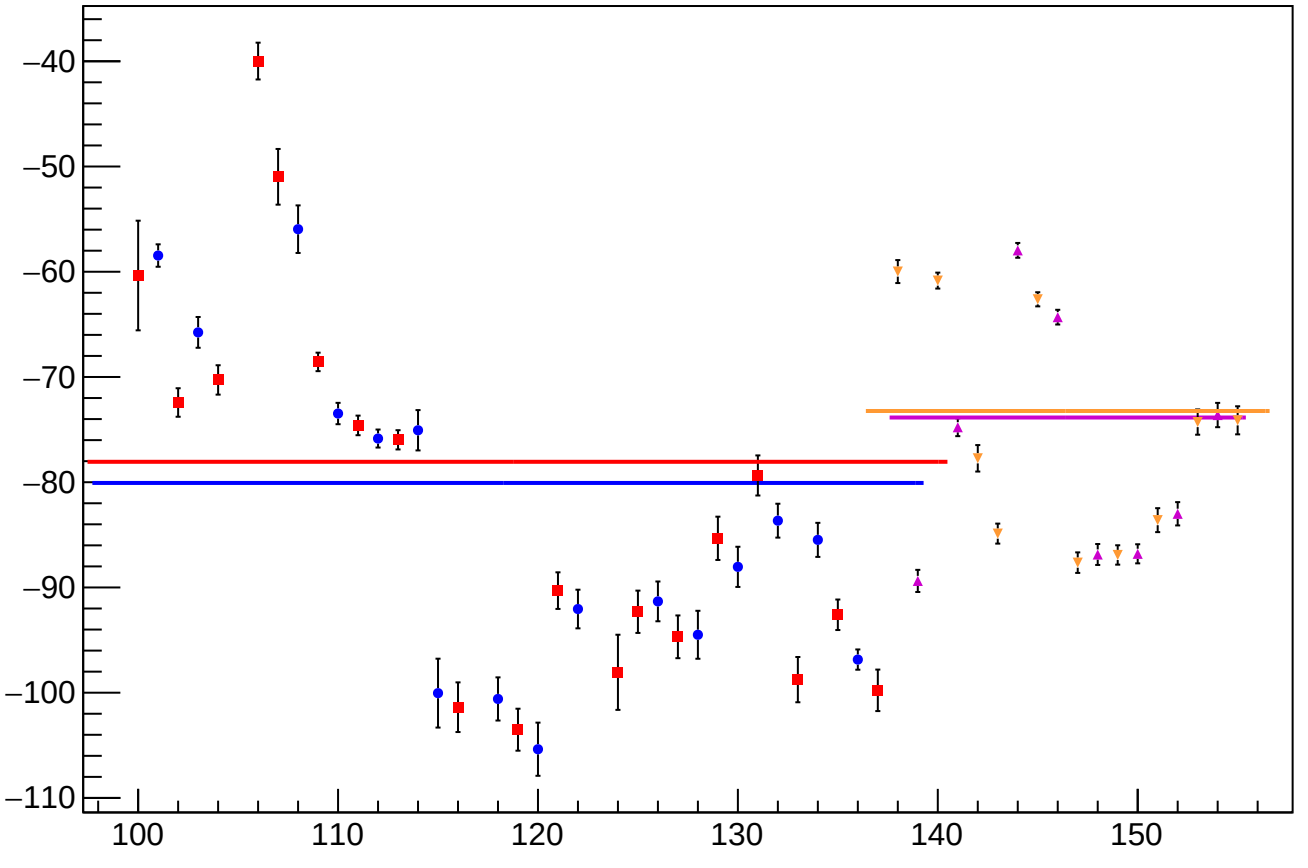
Left: -2.511+/-0.150 χ^2/NDF: 2279.8/17

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -2.956+/-0.184 χ^2/NDF:1542.0/23

Out: -1.924+/-0.181 χ^2/NDF:1946.1/28

All: -2.434+/-0.129 χ^2/NDF: 3504.1/52



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.232+/-0.304 χ^2/NDF:1350.4/9

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -73.852+/-0.314 χ^2/NDF:1357.7/7

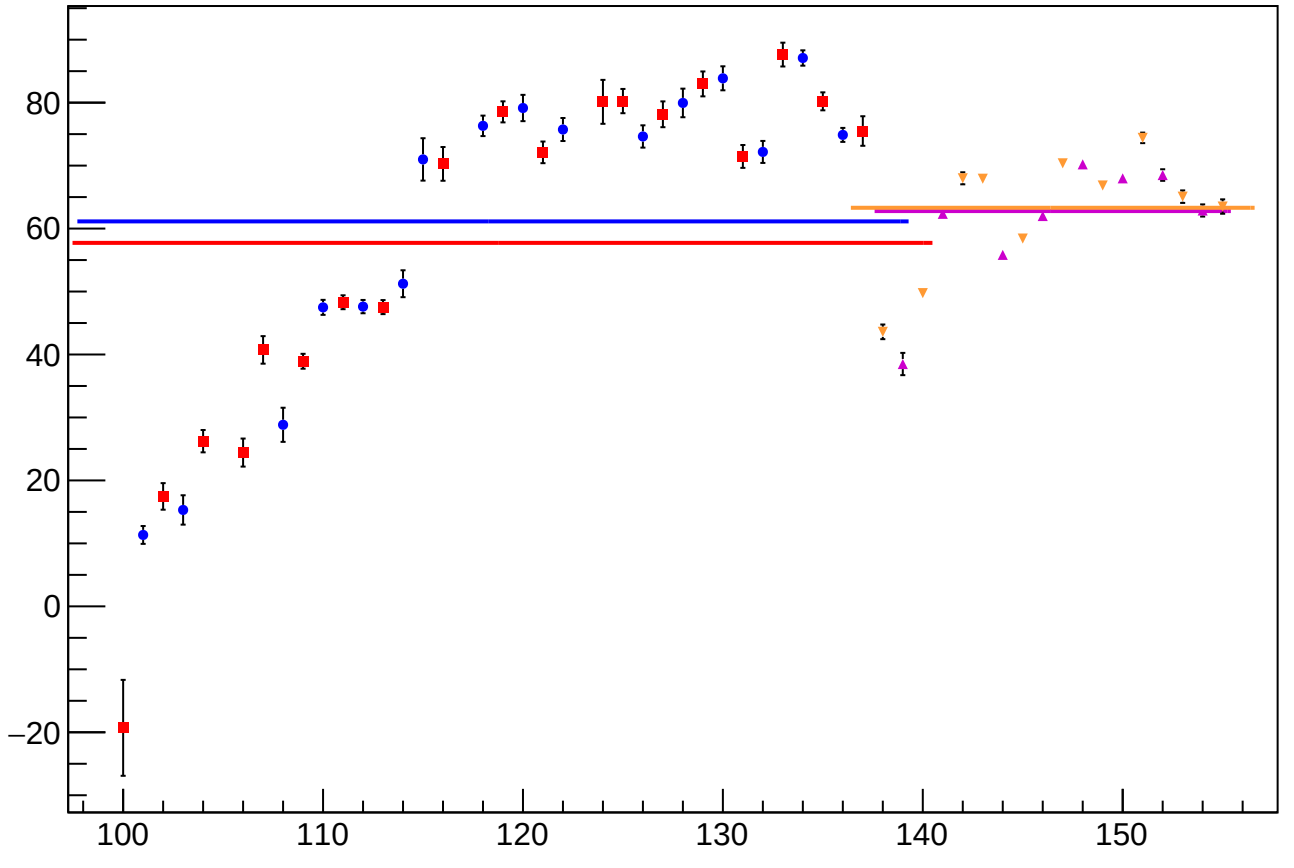
Left: -73.533+/-0.219 χ^2/NDF: 2710.2/17

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -76.499+/-0.238 χ^2/NDF:2912.0/23

Out: -75.287+/-0.231 χ^2/NDF:3018.7/28

All: -75.875+/-0.166 χ^2/NDF: 5944.1/52



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 63.303+/-0.257 χ^2/NDF:1066.3/9

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 62.778+/-0.261 χ^2/NDF:528.7/7

Left: 63.045+/-0.183 χ^2/NDF: 1597.1/17

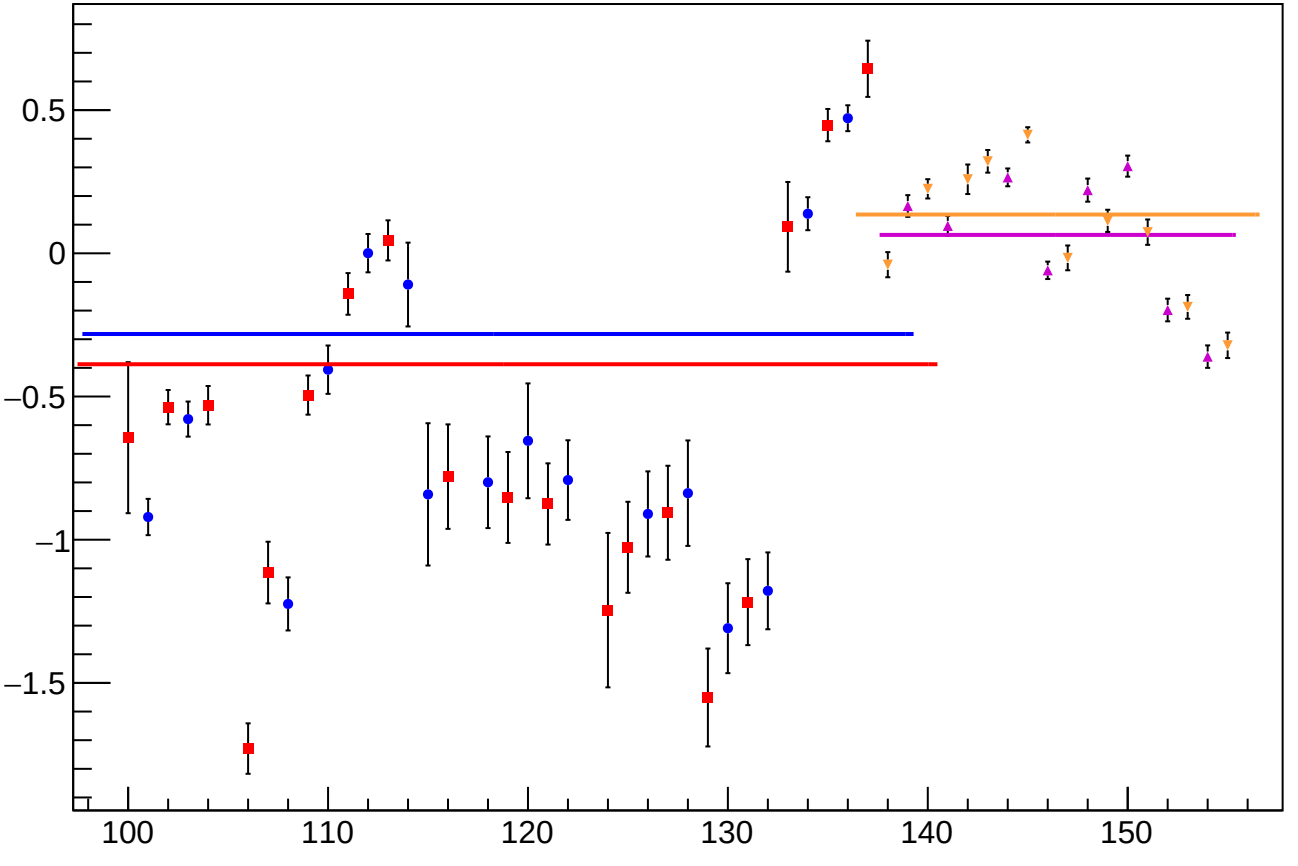
Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 62.288+/-0.219 χ^2/NDF:3769.7/23

Out: 61.678+/-0.216 χ^2/NDF:3979.5/28

All: 61.979+/-0.154 χ^2/NDF: 7753.2/52

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: 0.135+/-0.012 χ^2/NDF:340.7/9

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.064+/-0.013 χ^2/NDF:285.1/7

Left: 0.101+/-0.009 χ^2/NDF: 642.2/17

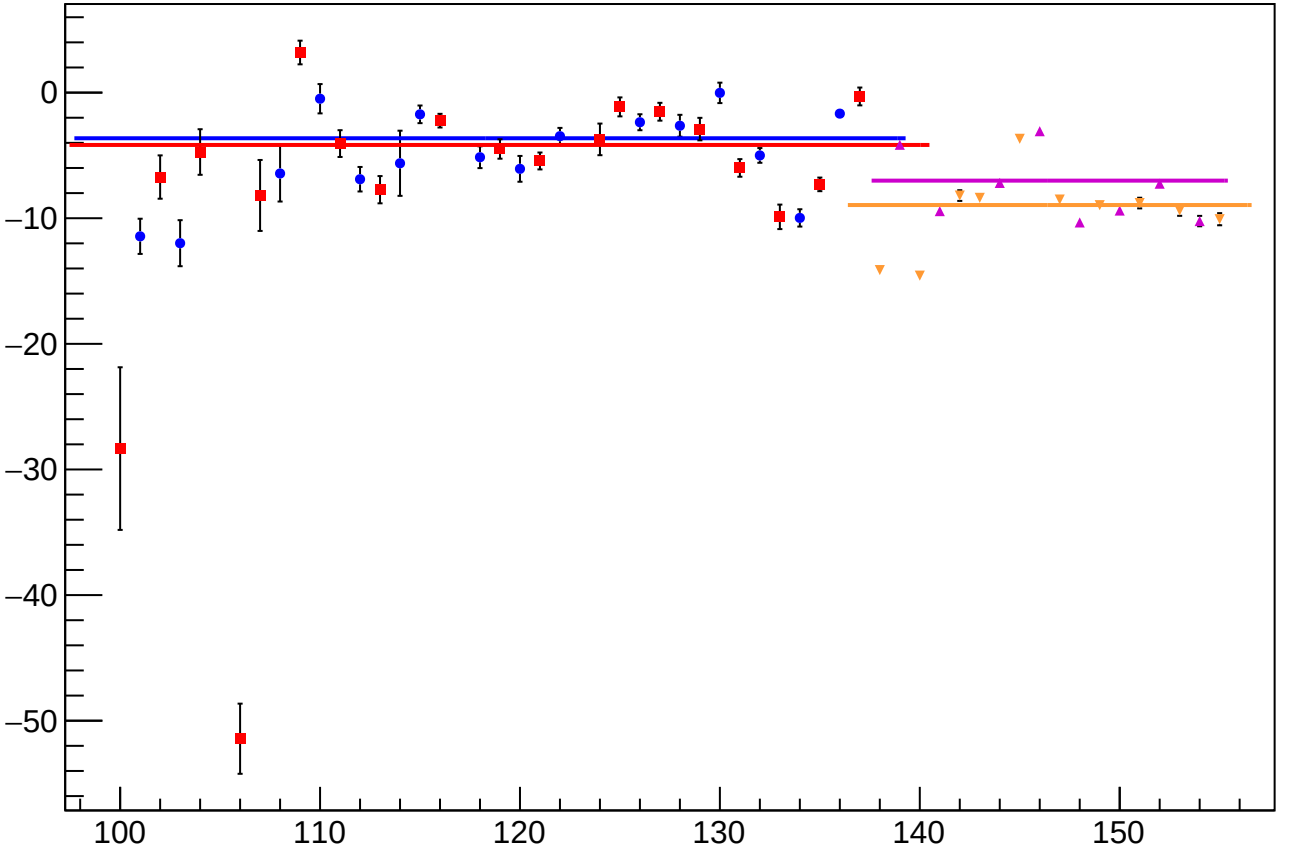
Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.024+/-0.011 χ^2/NDF:1204.3/23

Out: 0.010+/-0.011 χ^2/NDF:1592.7/28

All: -0.006+/-0.008 χ^2/NDF: 2801.9/52

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: -8.950+/-0.106 χ^2/NDF:1274.1/9

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -7.007+/-0.109 χ^2/NDF:610.8/7

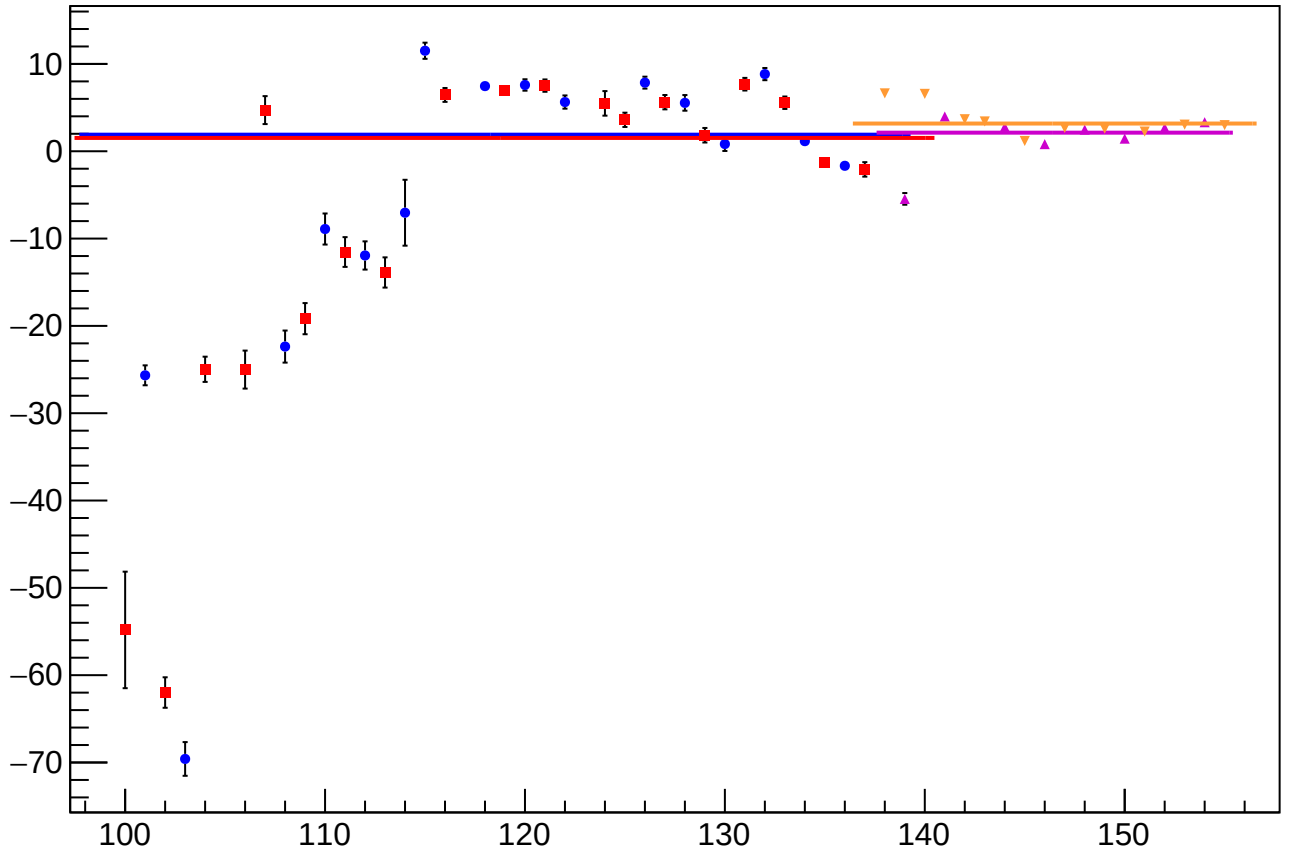
Left: -8.005+/-0.076 χ^2/NDF: 2049.0/17

Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -6.169+/-0.094 χ^2/NDF:1084.8/23

Out: -7.900+/-0.093 χ^2/NDF:2252.7/28

All: -7.042+/-0.066 χ^2/NDF: 3507.7/52



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.174+/-0.073 χ^2/NDF:507.2/9

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 2.129+/-0.073 χ^2/NDF:343.5/7

Left: 2.647+/-0.052 χ^2/NDF: 953.1/17

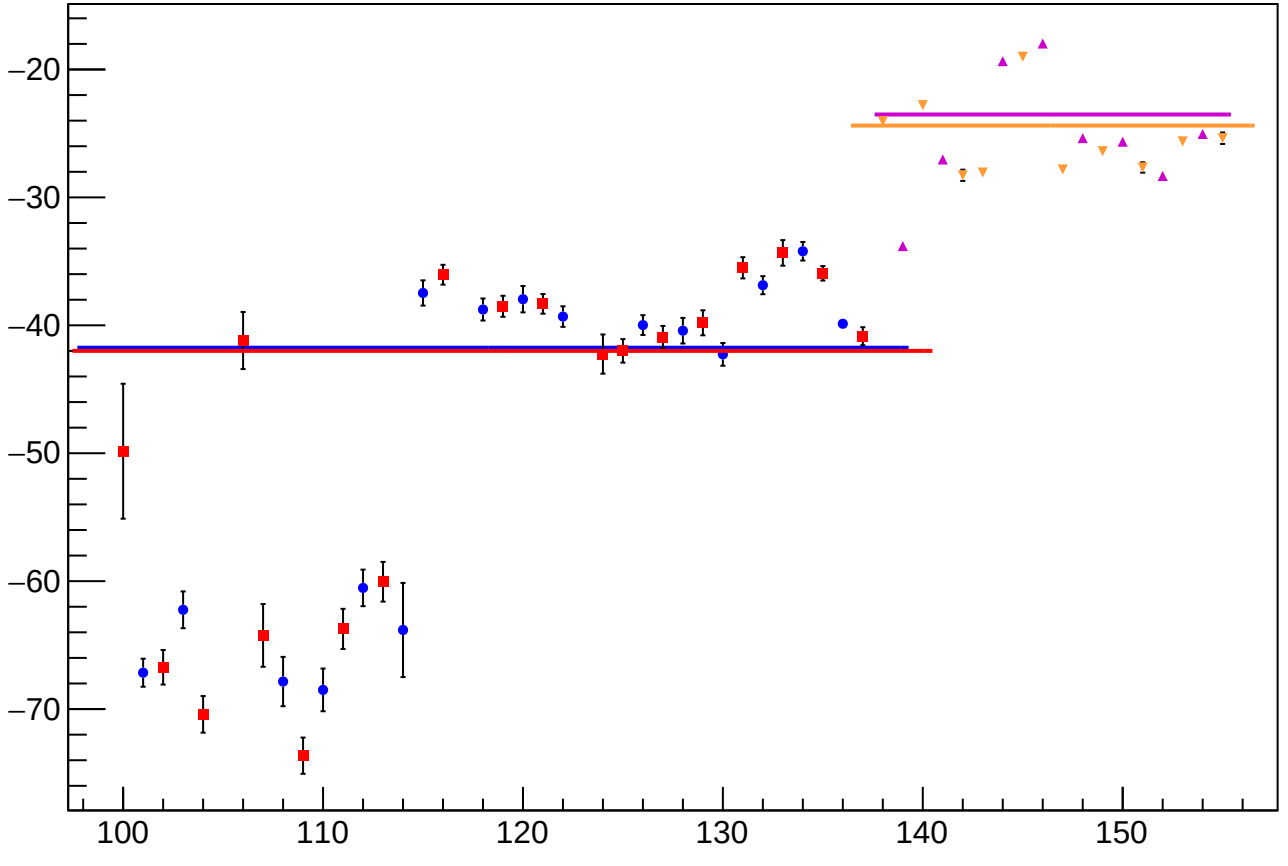
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.099+/-0.068 χ^2/NDF:3183.0/23

Out: 2.992+/-0.069 χ^2/NDF:3122.7/28

All: 2.537+/-0.048 χ^2/NDF: 6390.7/52

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: -24.385+/-0.105 χ^2/NDF:1044.6/9

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -23.519+/-0.107 χ^2/NDF:2043.4/7

Left: -23.958+/-0.075 χ^2/NDF: 3121.3/17

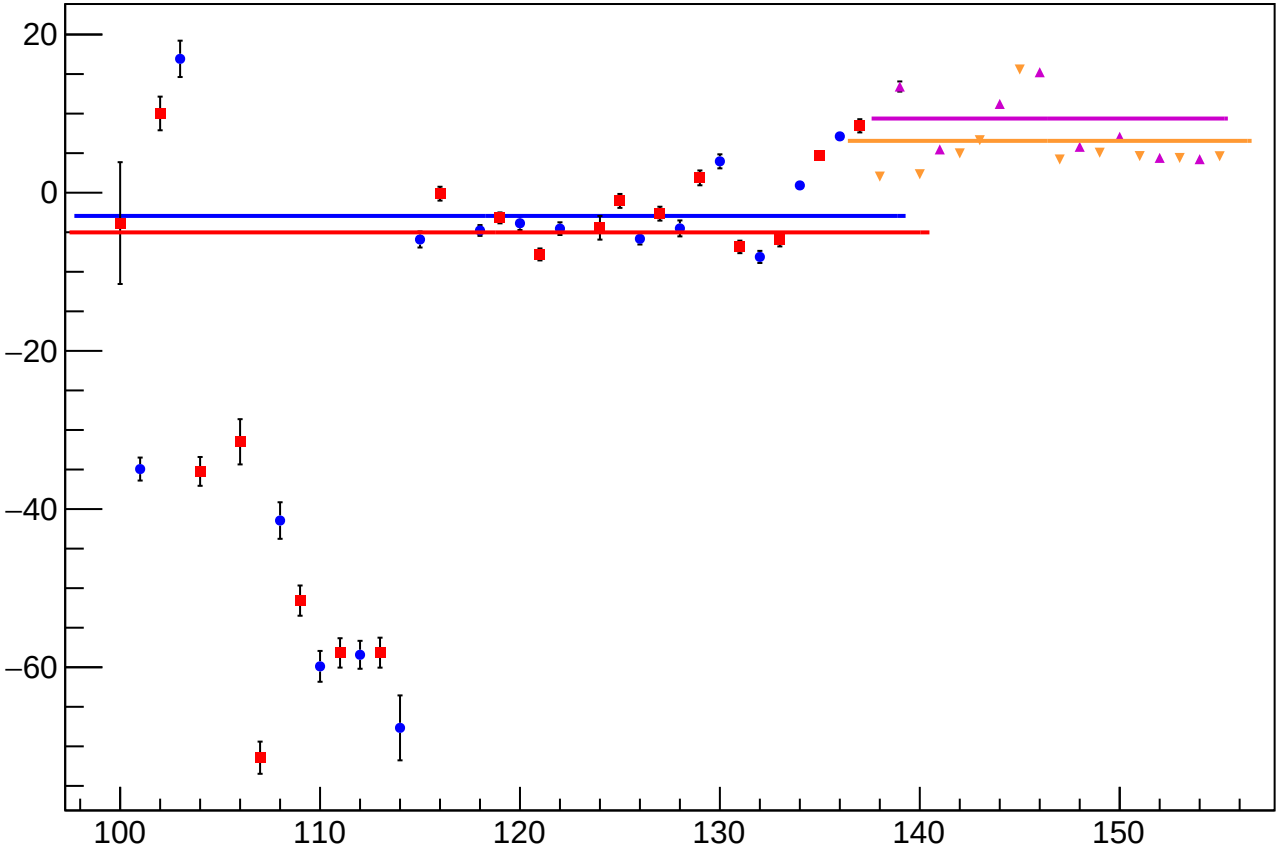
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -27.334+/-0.095 χ^2/NDF:9774.6/23

Out: -27.475+/-0.096 χ^2/NDF:7939.8/28

All: -27.404+/-0.067 χ^2/NDF: 17715.4/52

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.554+/-0.089 χ^2/NDF:2630.1/9

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 9.376+/-0.089 χ^2/NDF:2306.7/7

Left: 7.970+/-0.063 χ^2/NDF: 5442.0/17

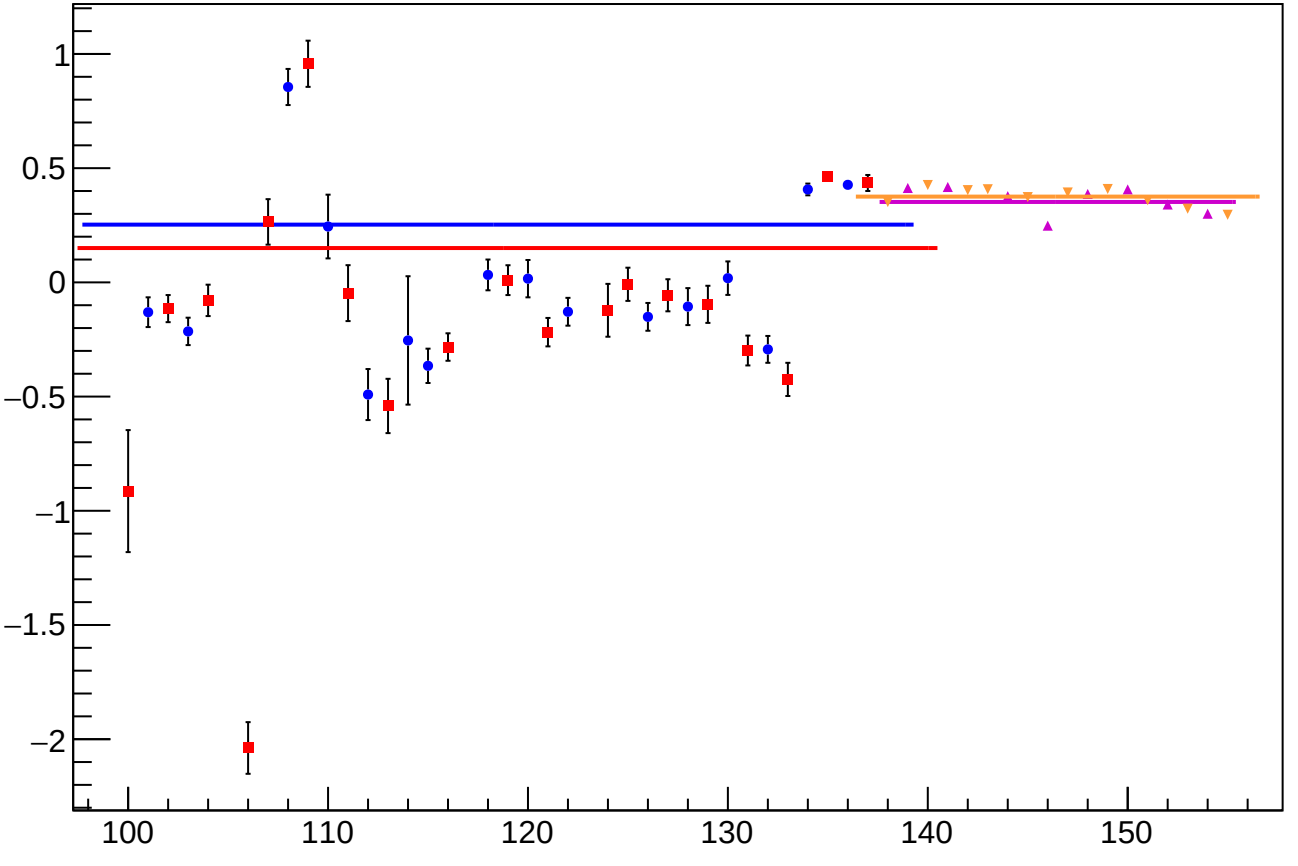
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 7.509+/-0.082 χ^2/NDF:8958.1/23

Out: 5.069+/-0.083 χ^2/NDF:9179.9/28

All: 6.310+/-0.058 χ^2/NDF: 18577.1/52

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.376+/-0.004 χ^2/NDF:79.5/9

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.352+/-0.004 χ^2/NDF:209.4/7

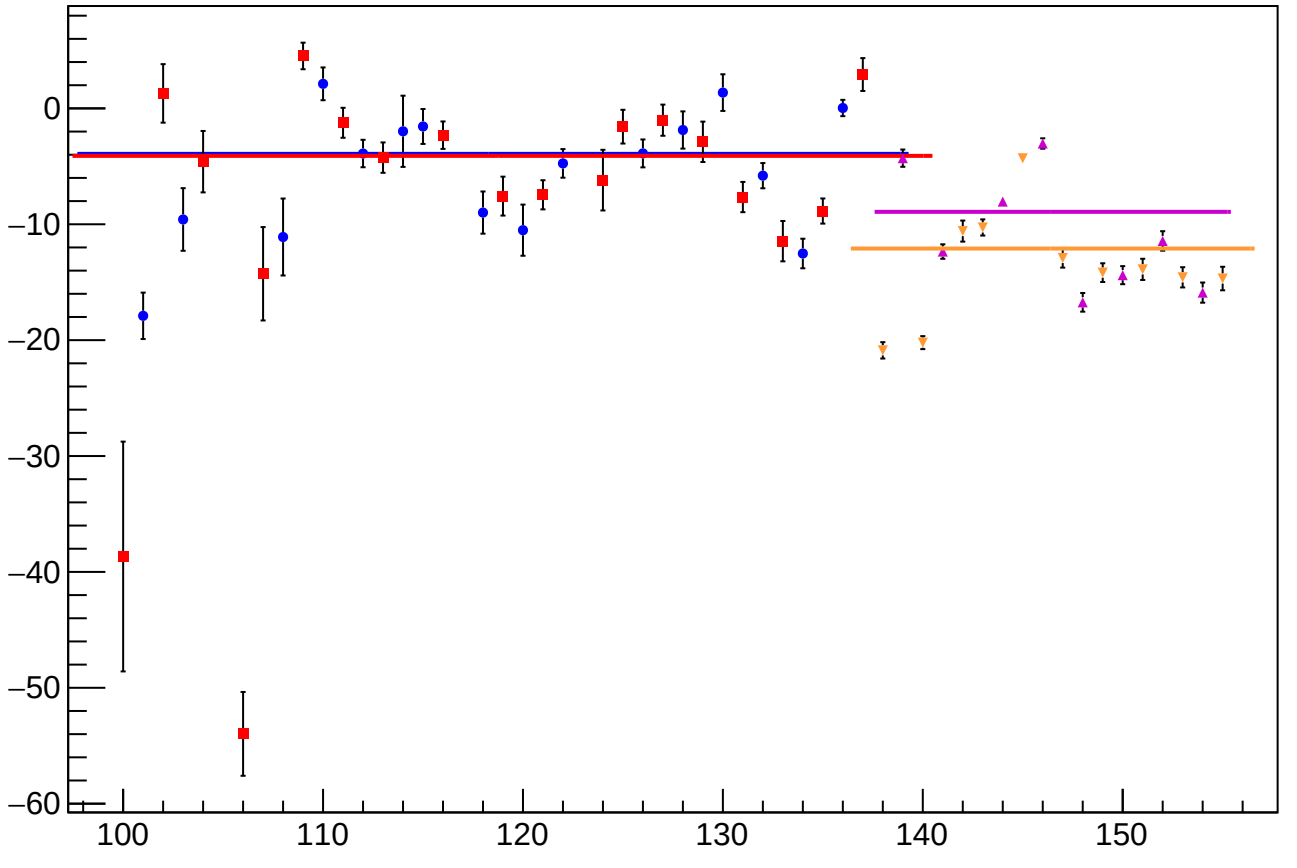
Left: 0.364+/-0.003 χ^2/NDF: 304.0/17

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.340+/-0.004 χ^2/NDF:906.0/23

Out: 0.355+/-0.004 χ^2/NDF:1356.0/28

All: 0.347+/-0.003 χ^2/NDF: 2269.0/52



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.093+/-0.216 χ^2/NDF:790.8/9

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -8.927+/-0.220 χ^2/NDF:462.8/7

Left: -10.536+/-0.154 χ^2/NDF: 1358.9/17

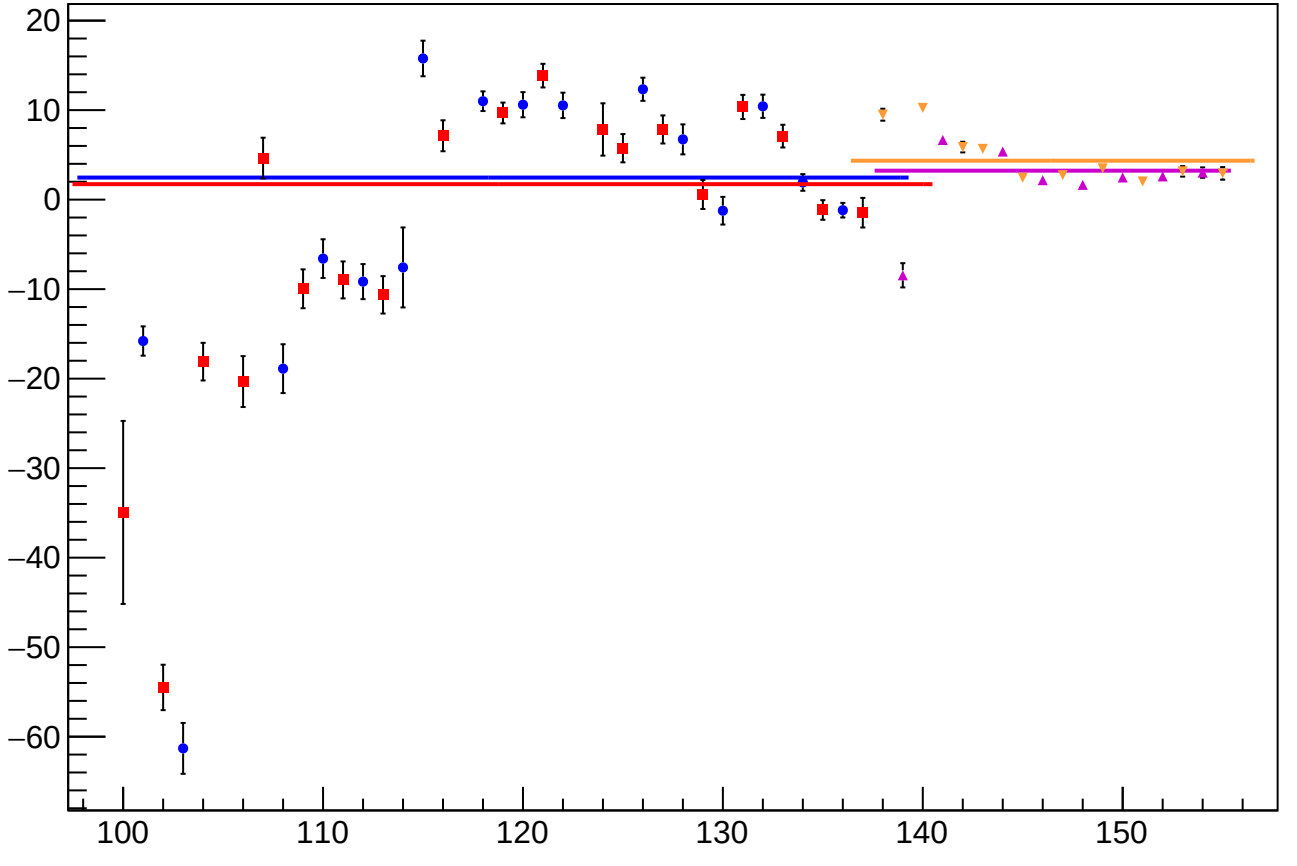
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -7.487+/-0.186 χ^2/NDF:800.4/23

Out: -9.944+/-0.185 χ^2/NDF:1524.9/28

All: -8.719+/-0.131 χ^2/NDF: 2413.3/52

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: 4.350+/-0.152 χ^2/NDF:322.5/9

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.234+/-0.147 χ^2/NDF:214.3/7

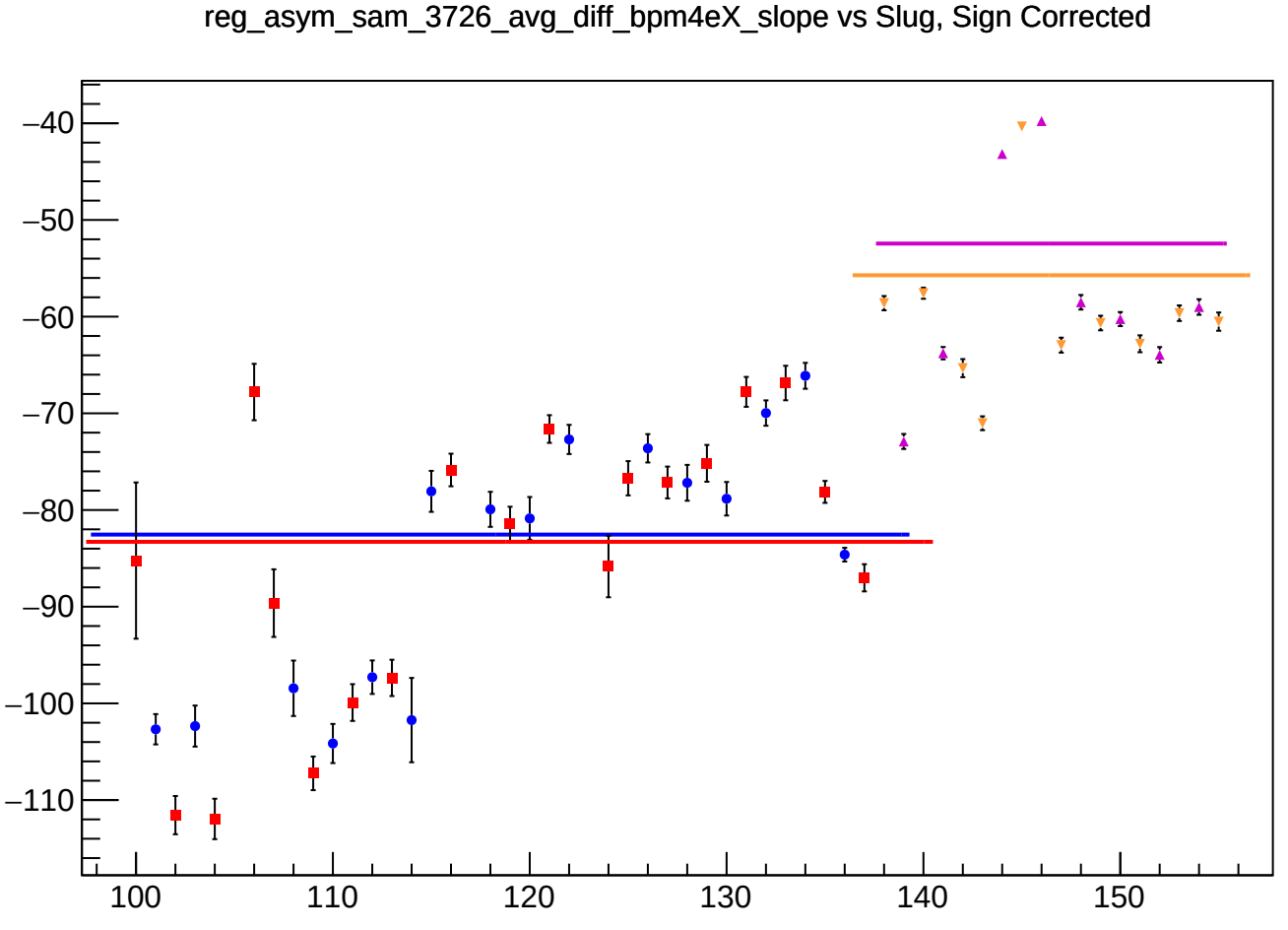
Left: 3.772+/-0.106 χ^2/NDF: 564.7/17

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

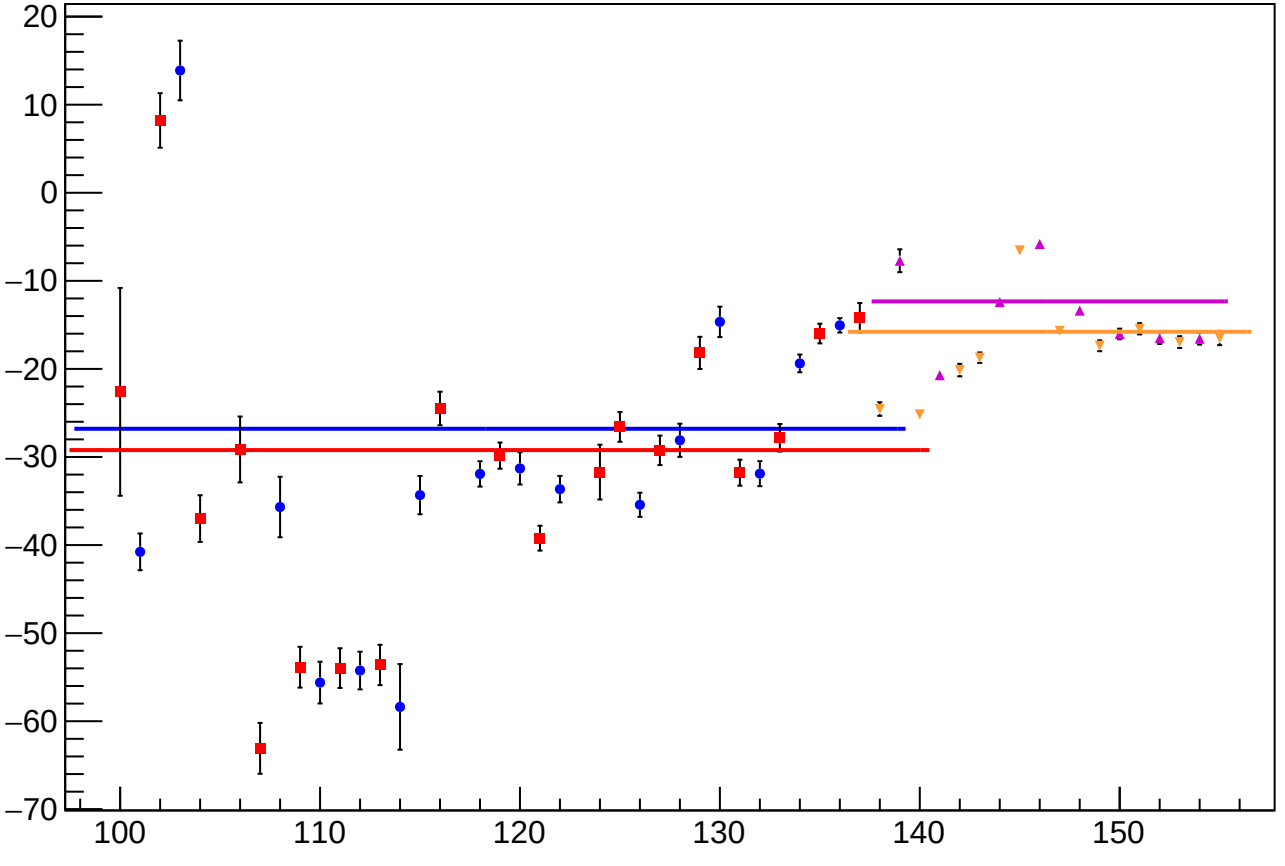
In: 3.123+/-0.136 χ^2/NDF:1265.0/23

Out: 3.998+/-0.142 χ^2/NDF:1345.5/28

All: 3.542+/-0.098 χ^2/NDF: 2630.5/52


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
100
110
120
130
140
150
Right In: -82.542+/-0.384 χ²/NDF: 838.8/15
Left Out: -55.718+/-0.216 χ²/NDF:2265.6/9
Right Out: -83.290+/-0.414 χ²/NDF: 1092.6/18
Left In: -52.442+/-0.217 χ²/NDF:2762.1/7
Left: -54.083+/-0.153 χ²/NDF: 5142.3/17
Right: -82.888+/-0.282 χ²/NDF: 1933.1/34
In: -59.703+/-0.189 χ²/NDF:8255.4/23
Out: -61.623+/-0.192 χ²/NDF:6839.4/28
All: -60.648+/-0.135 χ²/NDF: 15145.7/52

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: -15.786+/-0.184 χ^2/NDF:1118.9/9

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -12.334+/-0.179 χ^2/NDF:758.7/7

Left: -14.019+/-0.128 χ^2/NDF: 2058.3/17

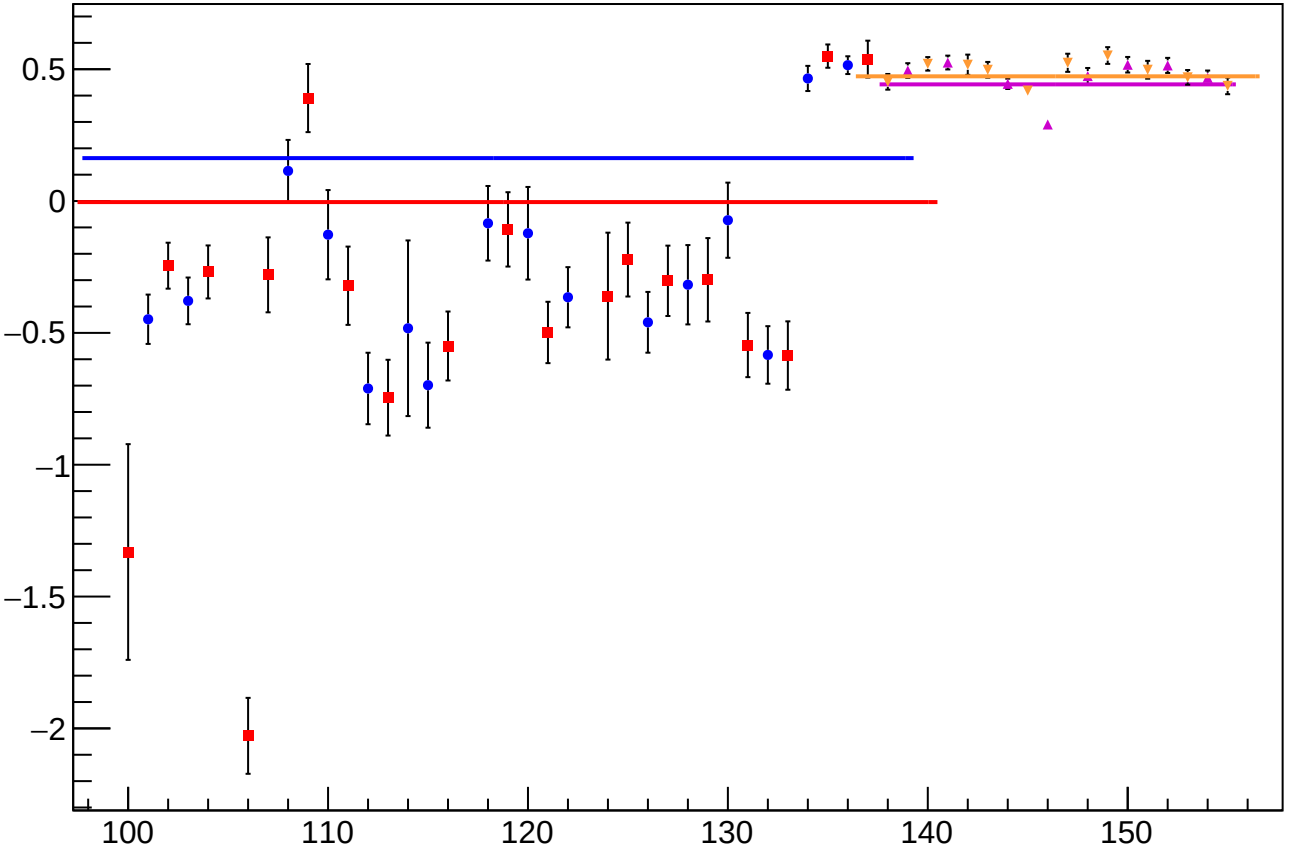
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -14.801+/-0.163 χ^2/NDF:2830.7/23

Out: -17.849+/-0.169 χ^2/NDF:2900.9/28

All: -16.273+/-0.117 χ^2/NDF: 5899.9/52

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: 0.473+/-0.009 χ^2/NDF:27.4/9

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.443+/-0.009 χ^2/NDF:94.2/7

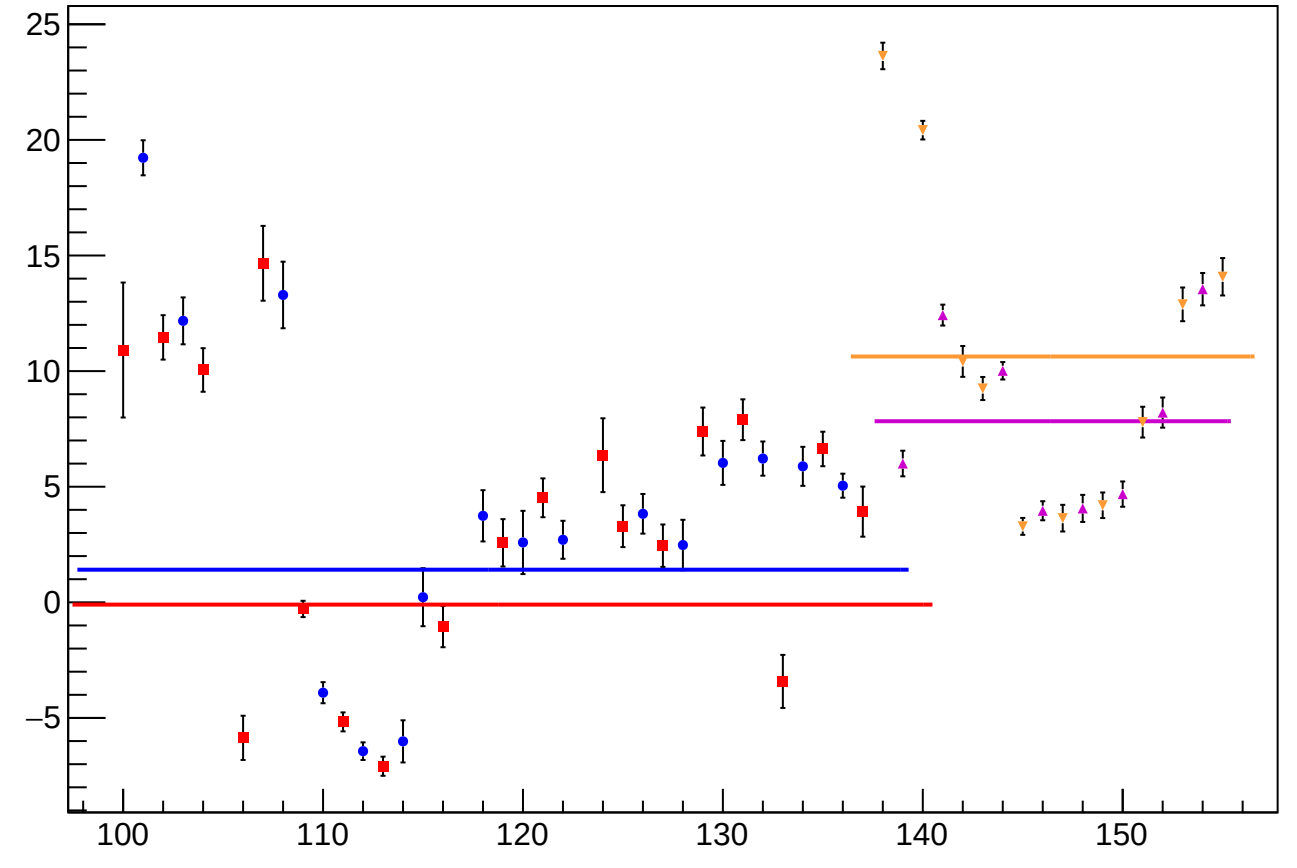
Left: 0.458+/-0.006 χ^2/NDF: 127.7/17

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.402+/-0.008 χ^2/NDF:662.9/23

Out: 0.420+/-0.008 χ^2/NDF:939.7/28

All: 0.411+/-0.006 χ^2/NDF: 1604.9/52



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 10.632+/-0.169 χ^2/NDF:1844.1/9

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 7.833+/-0.177 χ^2/NDF:377.7/7

Left: 9.298+/-0.123 χ^2/NDF: 2352.0/17

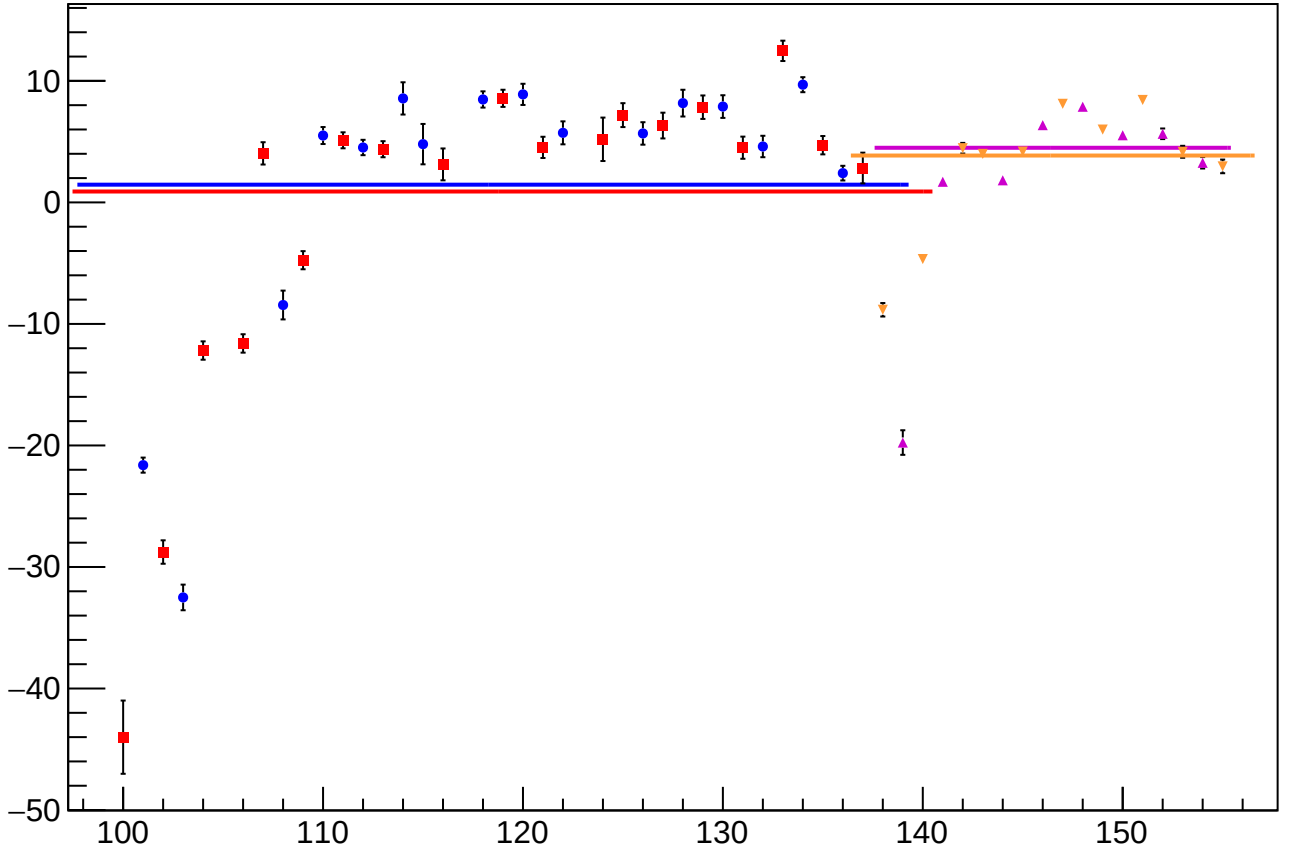
Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 4.722+/-0.127 χ^2/NDF:2533.8/23

Out: 5.206+/-0.119 χ^2/NDF:5022.4/28

All: 4.980+/-0.087 χ^2/NDF: 7563.8/52

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.857+/-0.117 χ^2/NDF:1639.3/9

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 4.495+/-0.119 χ^2/NDF:970.3/7

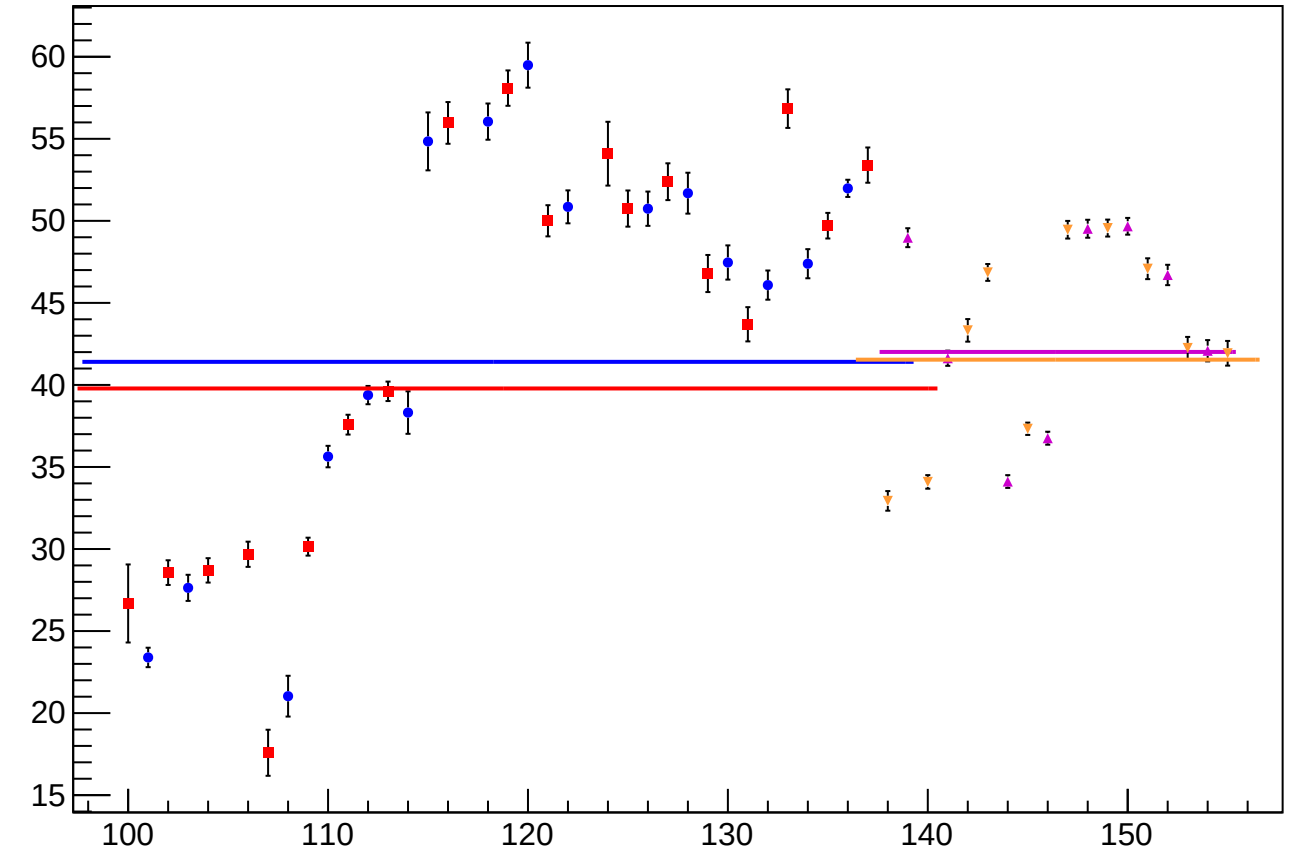
Left: 4.170+/-0.083 χ^2/NDF: 2624.3/17

Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.722+/-0.103 χ^2/NDF:4216.5/23

Out: 3.116+/-0.101 χ^2/NDF:4177.4/28

All: 3.414+/-0.072 χ^2/NDF: 8411.6/52



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 41.540+/-0.168 χ^2/NDF:1304.8/9

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 42.011+/-0.175 χ^2/NDF:1205.5/7

Left: 41.767+/-0.121 χ^2/NDF: 2514.0/17

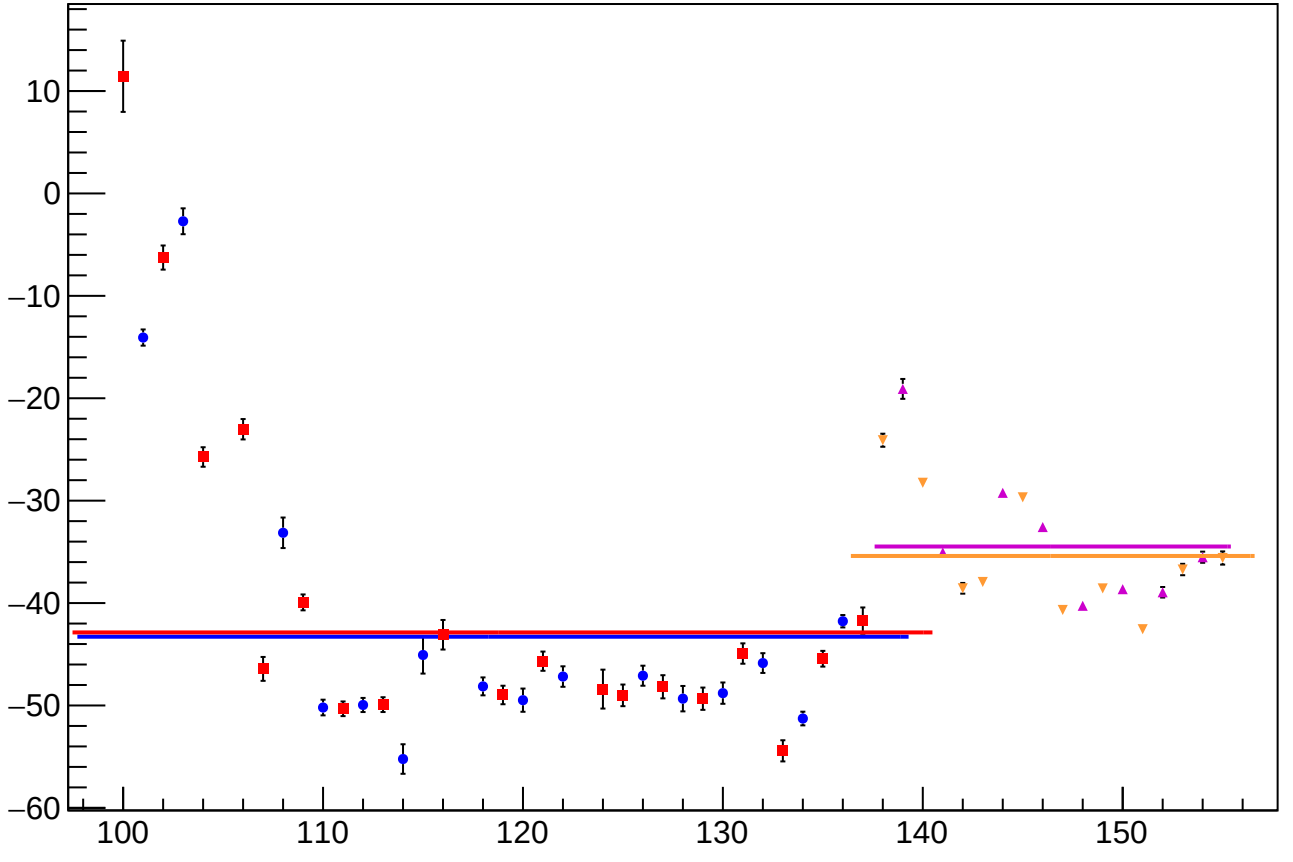
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 41.765+/-0.134 χ^2/NDF:3956.4/23

Out: 40.823+/-0.130 χ^2/NDF:4002.9/28

All: 41.277+/-0.093 χ^2/NDF: 7984.7/52

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -35.401+/-0.142 χ^2/NDF:1487.2/9

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -34.477+/-0.145 χ^2/NDF:953.0/7

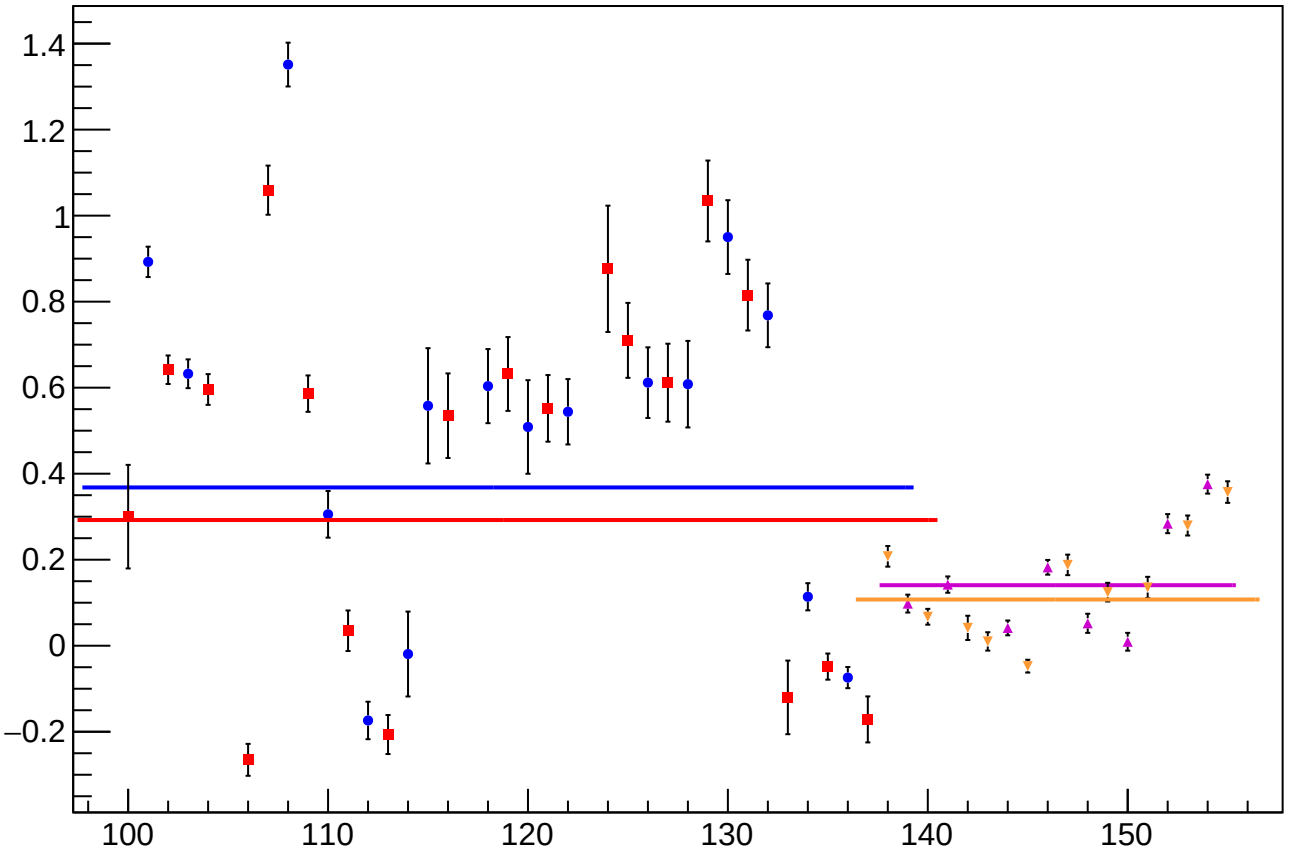
Left: -34.950+/-0.102 χ^2/NDF: 2460.8/17

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -37.000+/-0.123 χ^2/NDF:4990.9/23

Out: -37.474+/-0.121 χ^2/NDF:4709.1/28

All: -37.241+/-0.086 χ^2/NDF: 9707.6/52



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.107+/-0.007 χ^2/NDF:323.7/9

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.141+/-0.007 χ^2/NDF:254.9/7

Left: 0.124+/-0.005 χ^2/NDF: 590.2/17

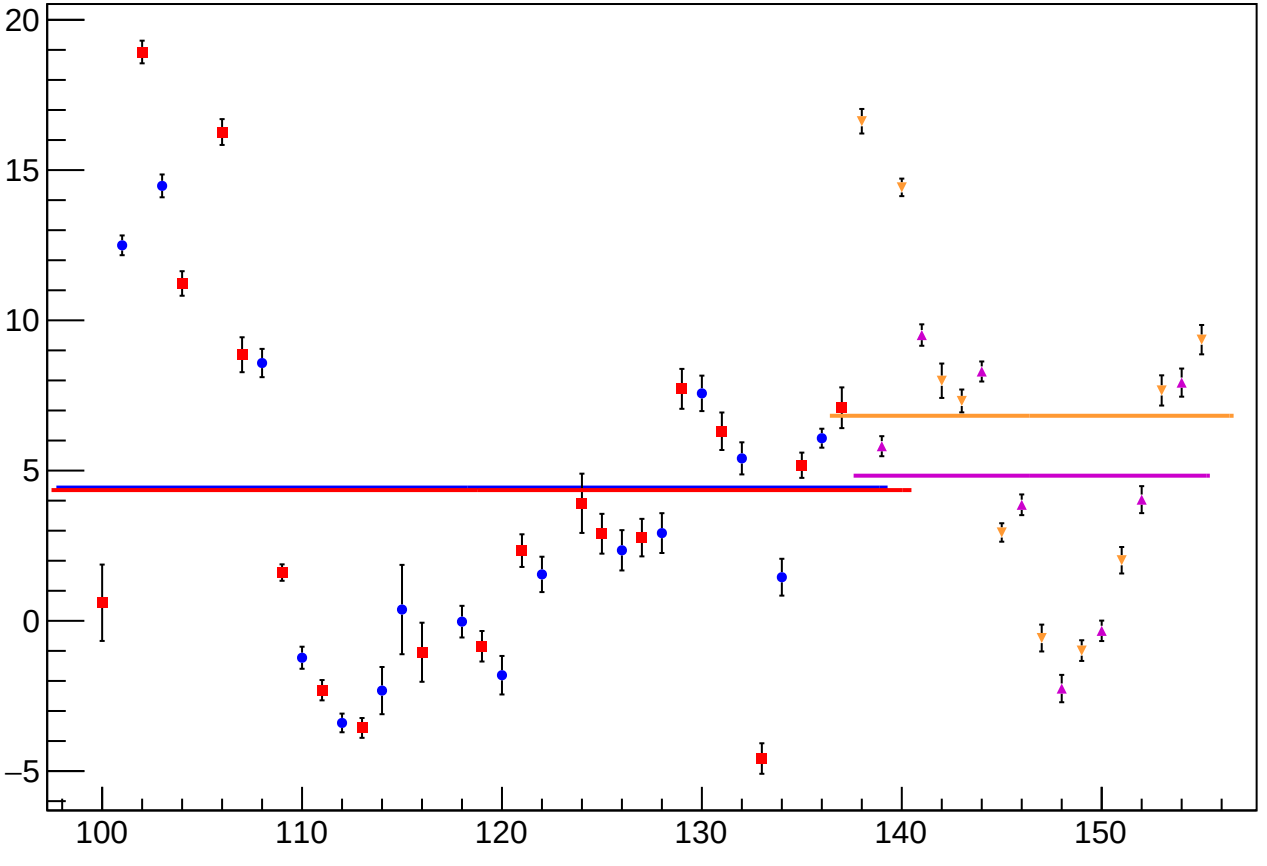
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.197+/-0.006 χ^2/NDF:1836.6/23

Out: 0.152+/-0.006 χ^2/NDF:1700.0/28

All: 0.174+/-0.004 χ^2/NDF: 3565.2/52

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: 6.824+/-0.124 χ^2/NDF:2359.4/9

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 4.831+/-0.132 χ^2/NDF:816.3/7

Left: 5.891+/-0.090 χ^2/NDF: 3296.8/17

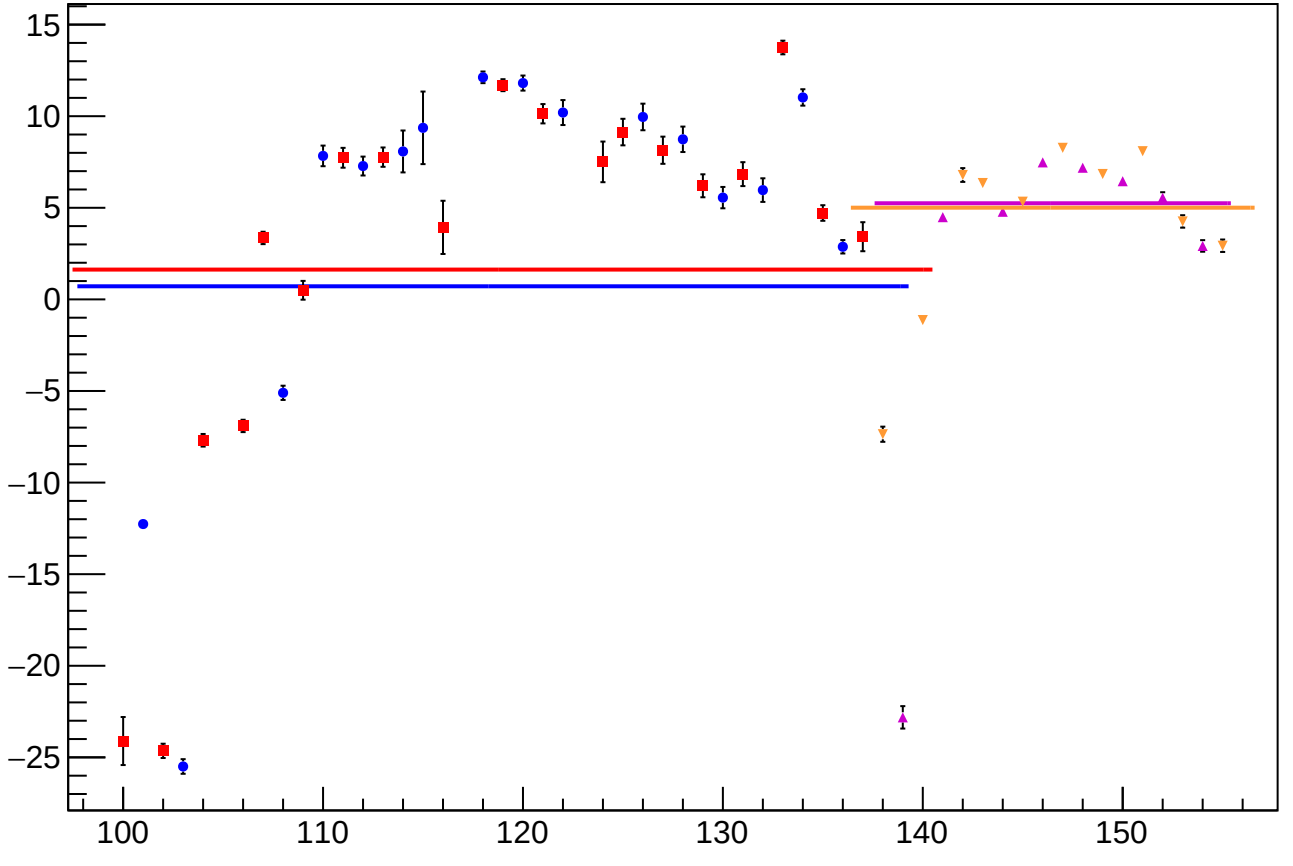
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 4.609+/-0.088 χ^2/NDF:3443.3/23

Out: 5.431+/-0.082 χ^2/NDF:6789.1/28

All: 5.047+/-0.060 χ^2/NDF: 10279.4/52

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 5.005+/-0.086 χ^2/NDF:2084.1/9

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.247+/-0.092 χ^2/NDF:2389.7/7

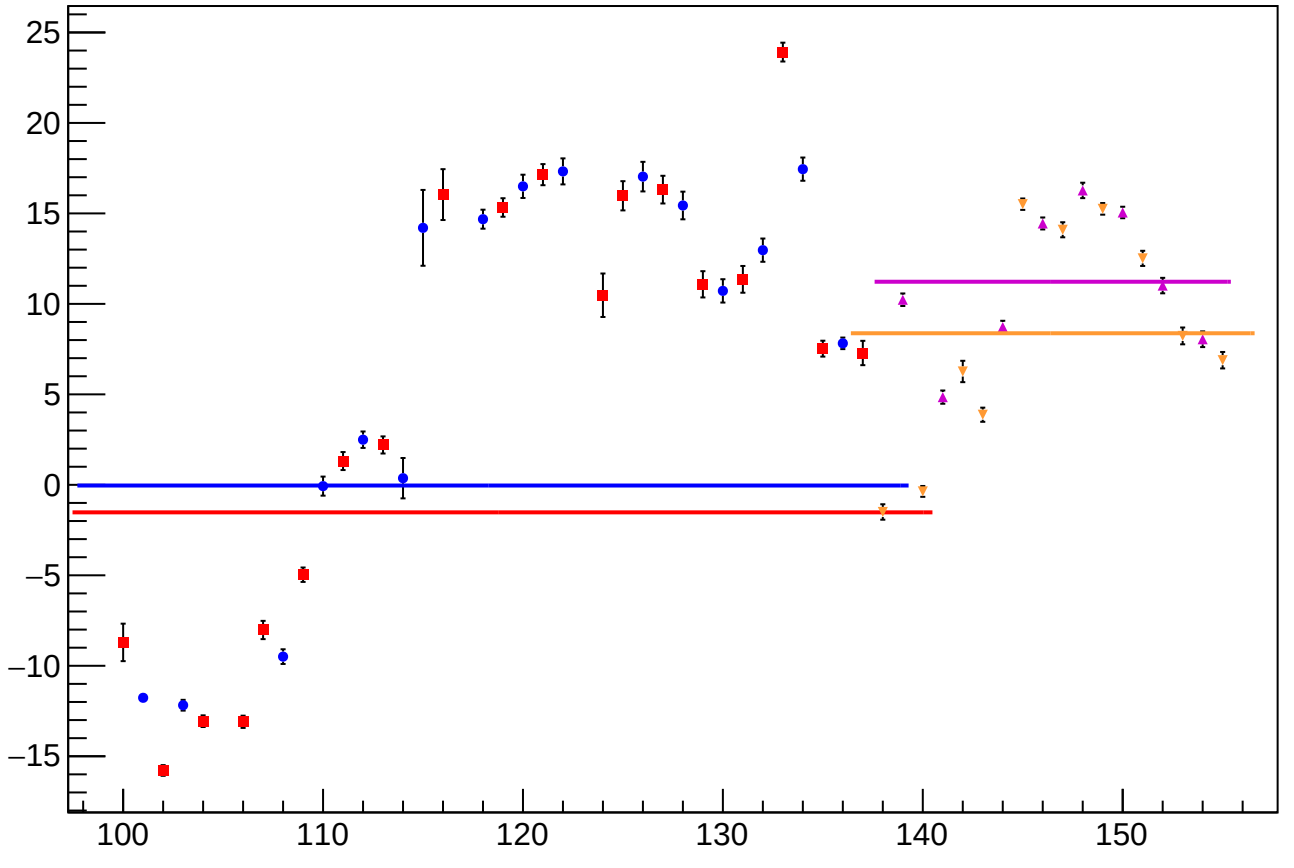
Left: 5.118+/-0.063 χ^2/NDF: 4477.5/17

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.486+/-0.072 χ^2/NDF:13778.3/23

Out: 3.740+/-0.068 χ^2/NDF:11918.6/28

All: 3.621+/-0.050 χ^2/NDF: 25703.5/52



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 8.377+/-0.122 χ^2/NDF:2797.1/9

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 11.224+/-0.130 χ^2/NDF:798.2/7

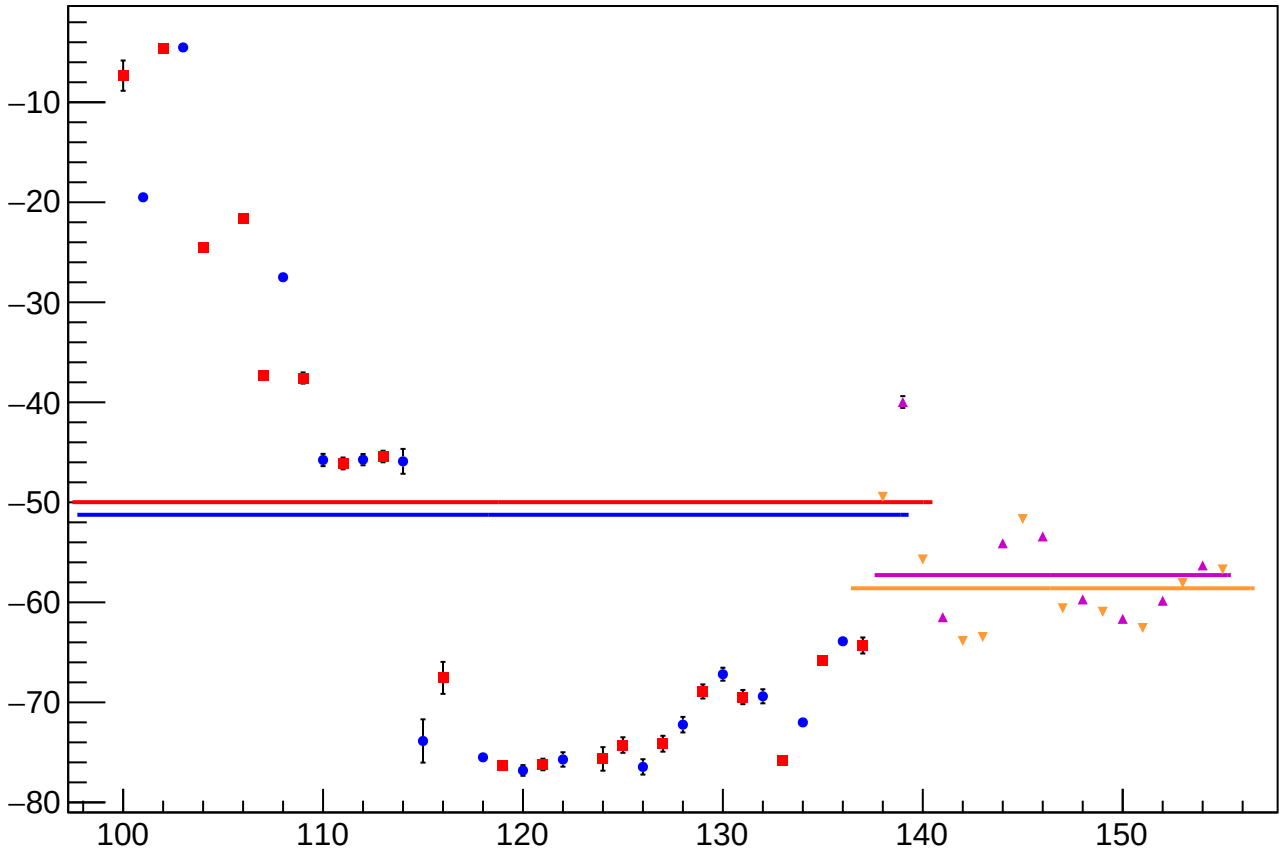
Left: 9.720+/-0.089 χ^2/NDF: 3850.3/17

Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 5.131+/-0.088 χ^2/NDF:14158.5/23

Out: 3.121+/-0.084 χ^2/NDF:18396.2/28

All: 4.080+/-0.061 χ^2/NDF: 32828.7/52



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.594+/-0.104 χ^2/NDF:1712.0/9

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -57.275+/-0.111 χ^2/NDF:1790.0/7

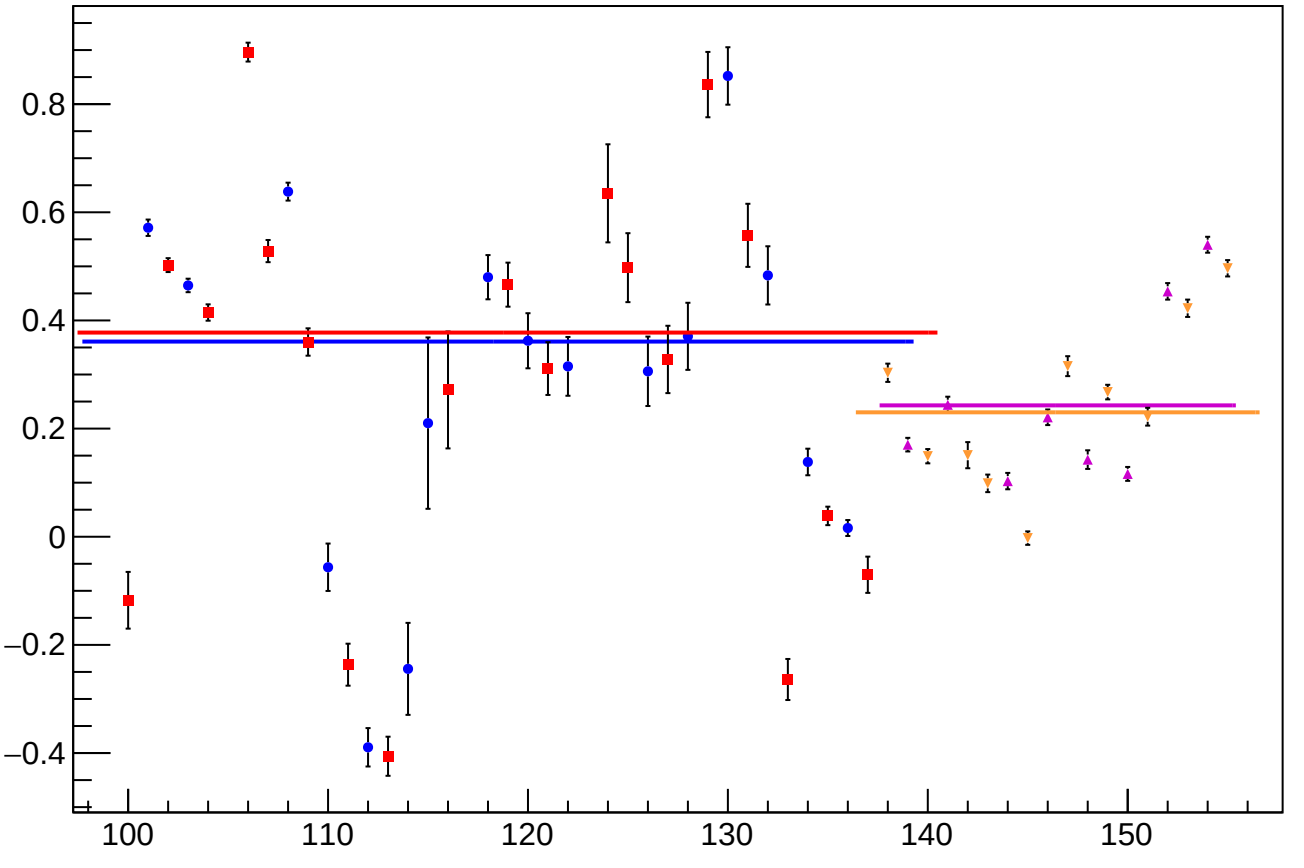
Left: -57.979+/-0.076 χ^2/NDF: 3577.0/17

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -54.852+/-0.086 χ^2/NDF:36734.7/23

Out: -55.255+/-0.081 χ^2/NDF:38262.7/28

All: -55.065+/-0.059 χ^2/NDF: 75009.0/52



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.230+/-0.005 χ^2/NDF:964.9/9

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.243+/-0.005 χ^2/NDF:849.0/7

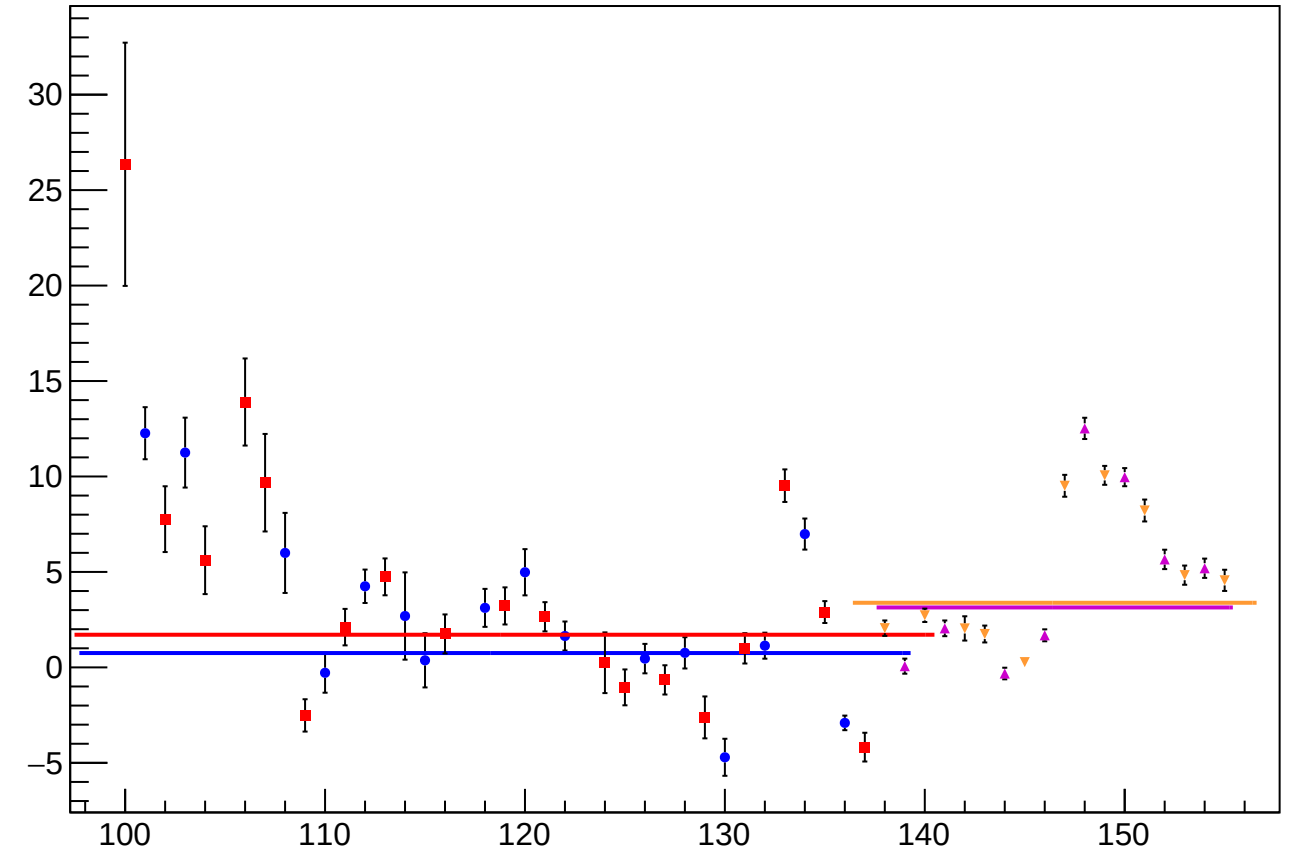
Left: 0.236+/-0.004 χ^2/NDF: 1817.2/17

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.289+/-0.004 χ^2/NDF:2917.9/23

Out: 0.288+/-0.004 χ^2/NDF:4109.5/28

All: 0.288+/-0.003 χ^2/NDF: 7027.4/52



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 3.385+/-0.137 χ^2/NDF:551.3/9

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 3.139+/-0.143 χ^2/NDF:750.5/7

Left: 3.268+/-0.099 χ^2/NDF: 1303.4/17

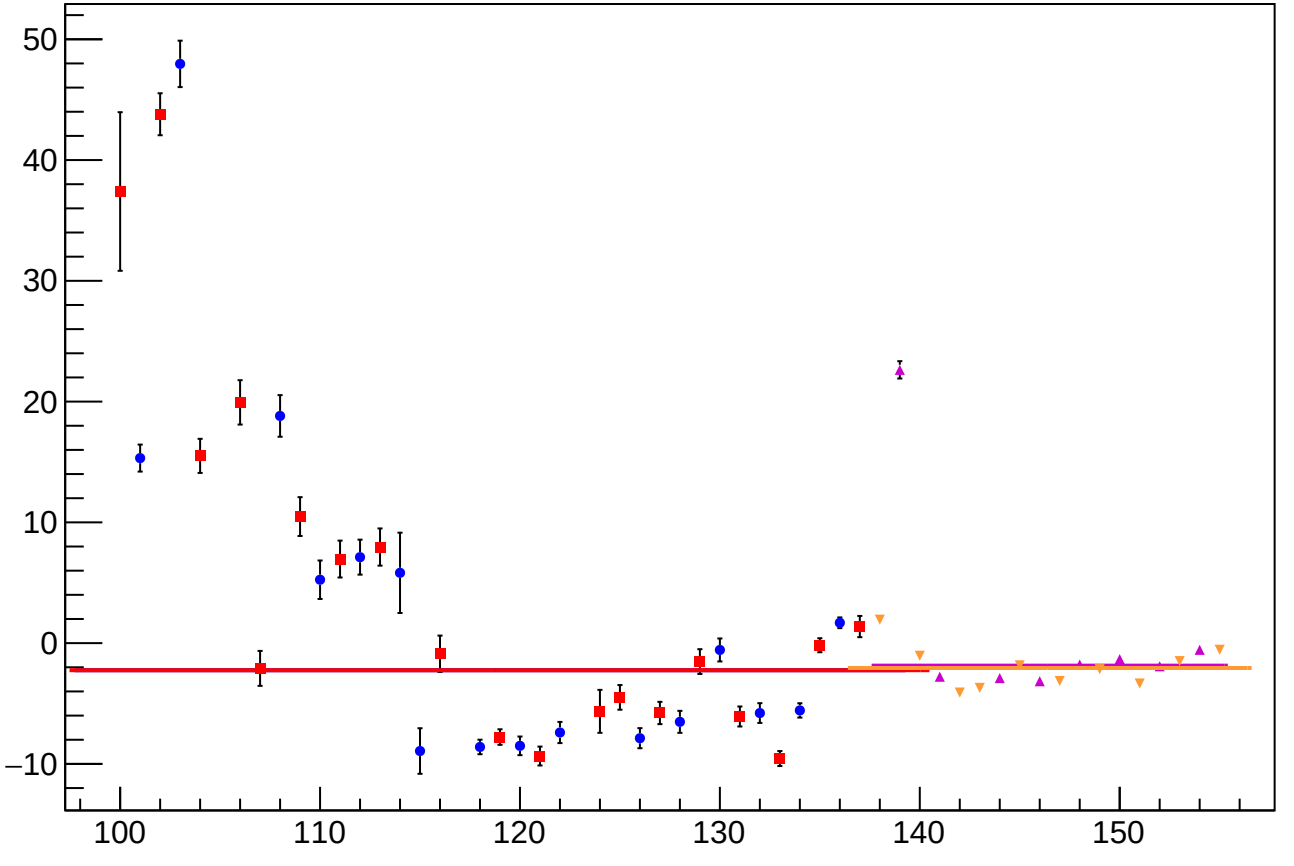
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 2.393+/-0.119 χ^2/NDF:1167.5/23

Out: 2.928+/-0.116 χ^2/NDF:886.2/28

All: 2.666+/-0.083 χ^2/NDF: 2064.0/52

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: -2.058+/-0.097 χ^2/NDF:217.4/9

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -1.864+/-0.099 χ^2/NDF:1256.8/7

Left: -1.963+/-0.070 χ^2/NDF: 1476.1/17

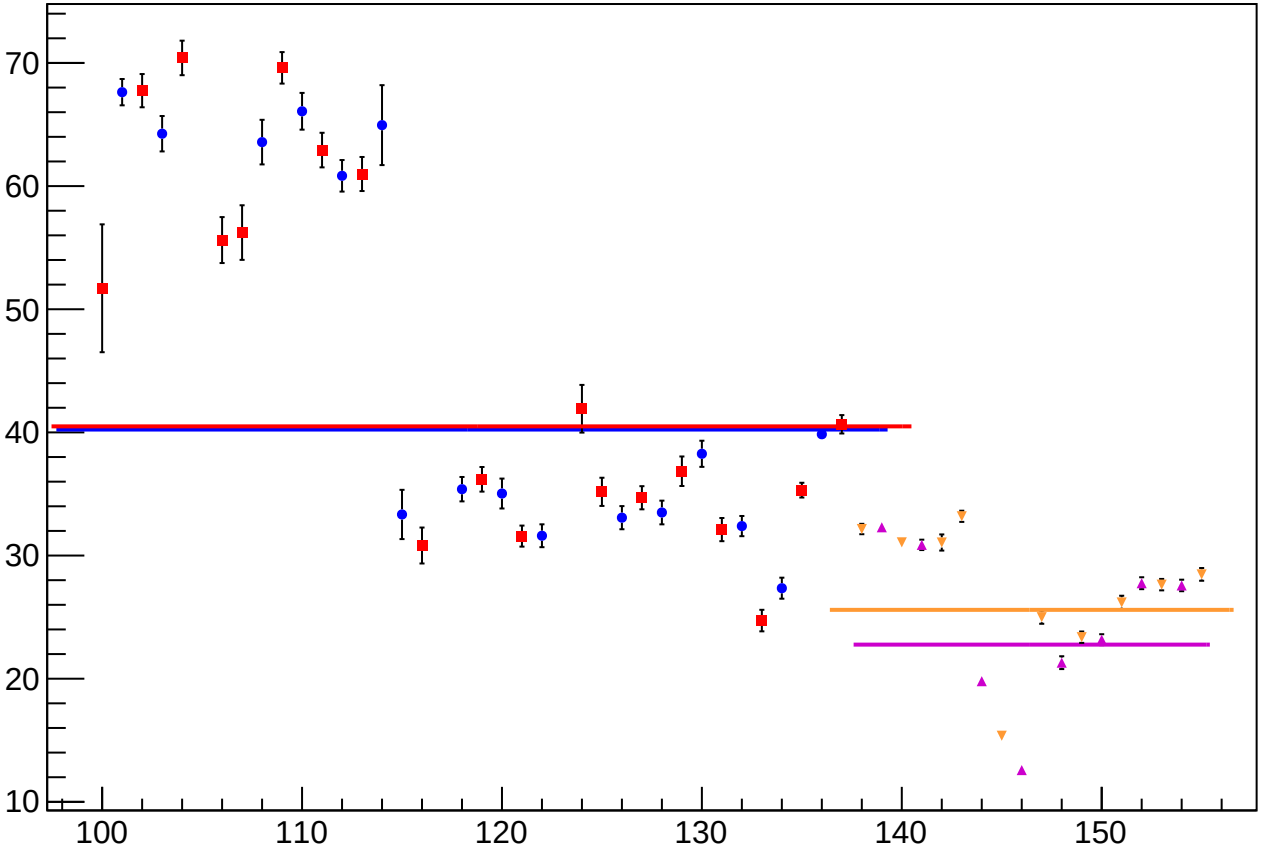
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -1.931+/-0.090 χ^2/NDF:2831.8/23

Out: -2.086+/-0.090 χ^2/NDF:1773.6/28

All: -2.009+/-0.064 χ^2/NDF: 4606.9/52

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 25.590+/-0.136 χ^2/NDF:2313.7/9

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 22.767+/-0.141 χ^2/NDF:2355.7/7

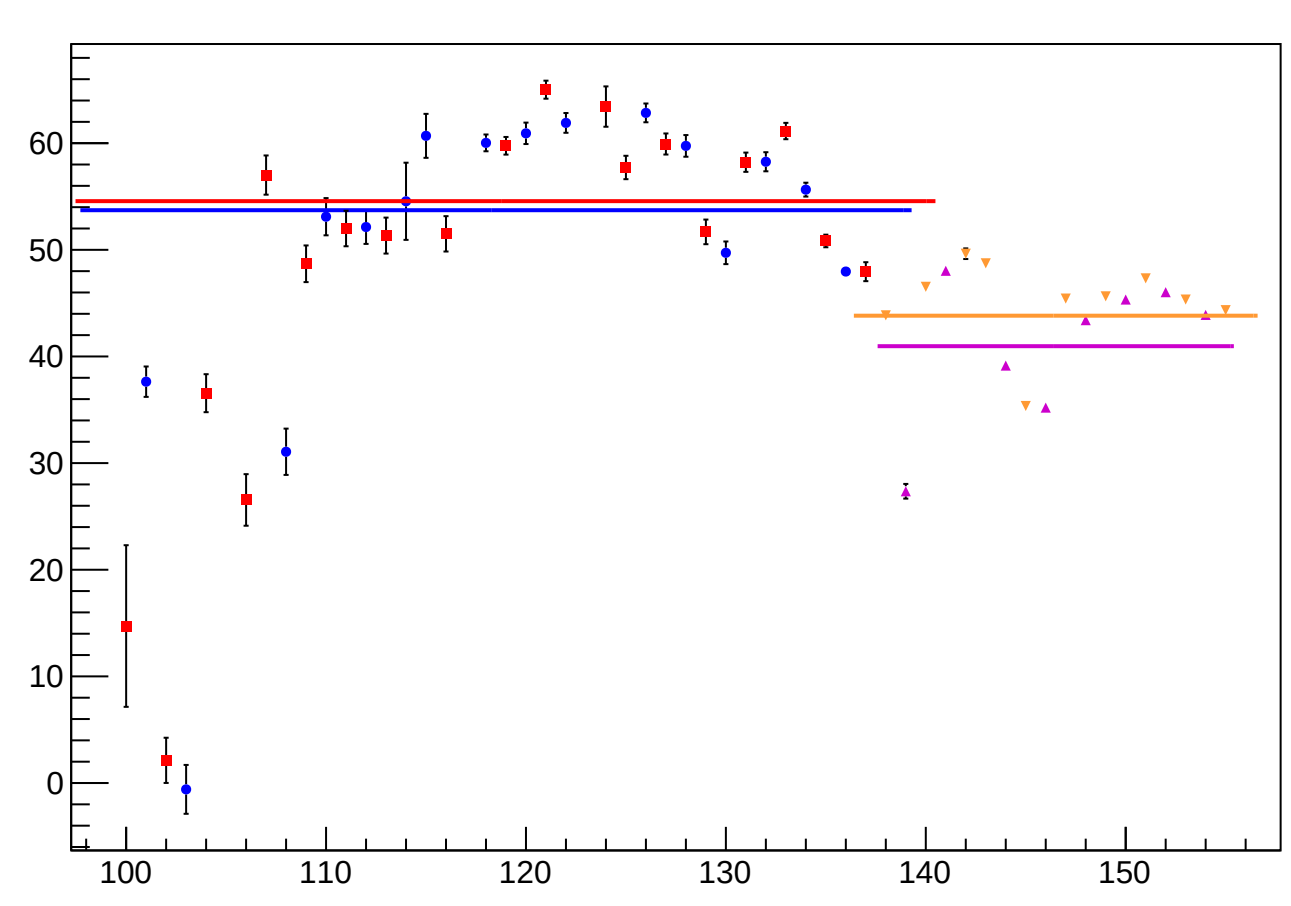
Left: 24.228+/-0.098 χ^2/NDF: 4876.8/17

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 27.498+/-0.120 χ^2/NDF:8798.9/23

Out: 28.991+/-0.120 χ^2/NDF:7743.5/28

All: 28.250+/-0.085 χ^2/NDF: 16619.8/52



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.824+/-0.117 χ^2/NDF:1680.2/9

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 40.964+/-0.120 χ^2/NDF:1816.9/7

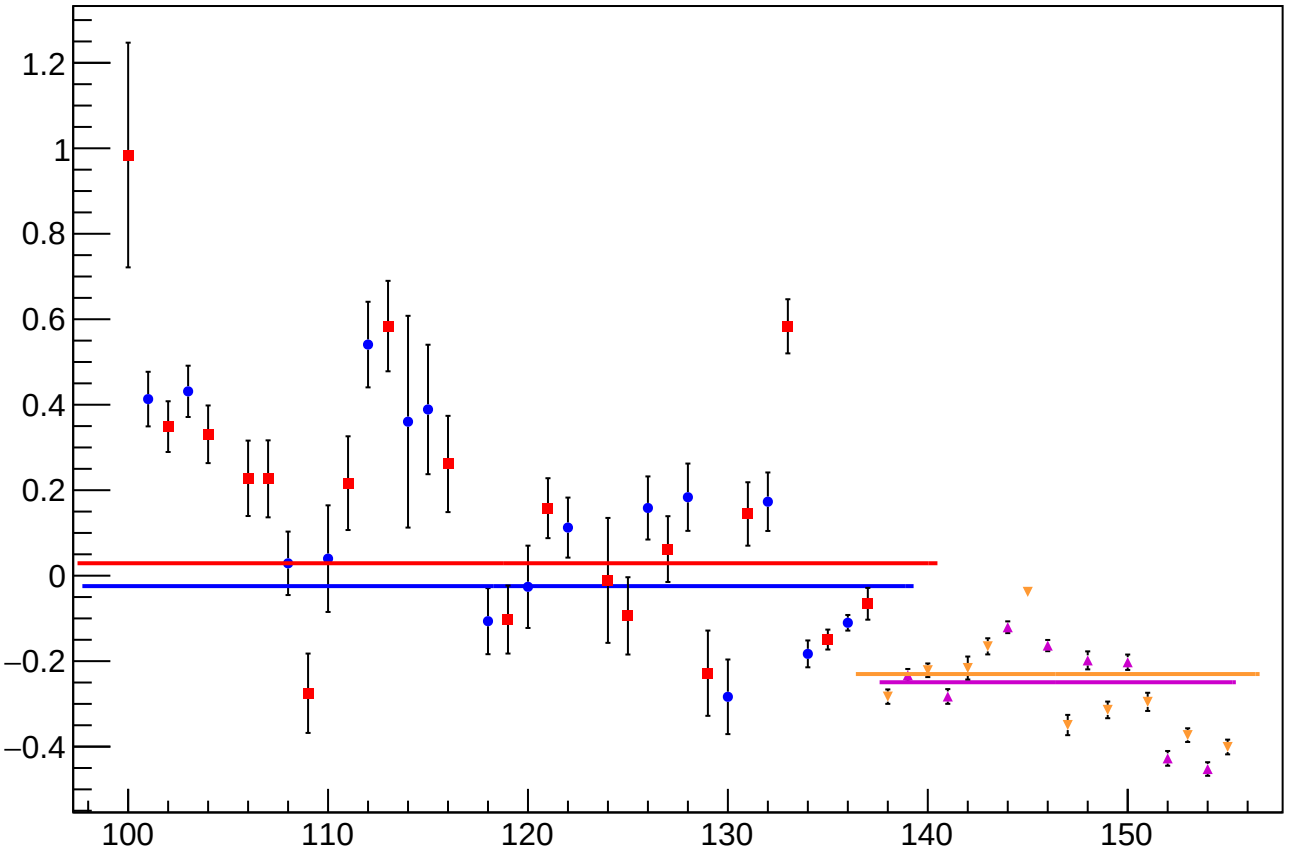
Left: 42.430+/-0.084 χ^2/NDF: 3788.5/17

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 43.530+/-0.107 χ^2/NDF:5453.1/23

Out: 45.676+/-0.106 χ^2/NDF:4478.2/28

All: 44.612+/-0.076 χ^2/NDF: 10133.3/52



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.230+/-0.005 χ^2/NDF:570.8/9

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.249+/-0.006 χ^2/NDF:416.7/7

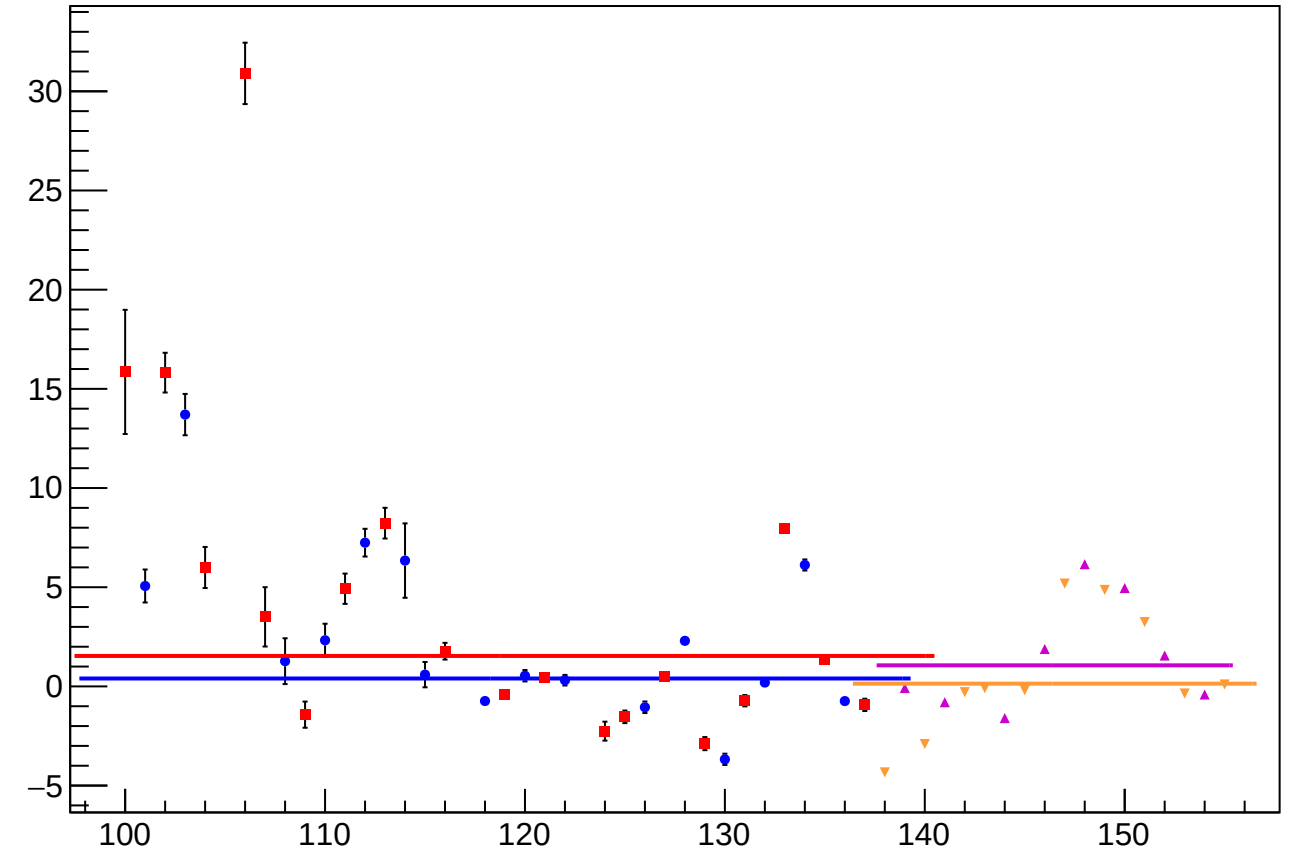
Left: -0.239+/-0.004 χ^2/NDF: 993.6/17

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.213+/-0.005 χ^2/NDF:905.2/23

Out: -0.197+/-0.005 χ^2/NDF:1136.5/28

All: -0.205+/-0.004 χ^2/NDF: 2046.3/52



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: 0.138+/-0.050 χ^2/NDF:3242.3/9

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 1.062+/-0.051 χ^2/NDF:2320.2/7

Left: 0.589+/-0.036 χ^2/NDF: 5730.6/17

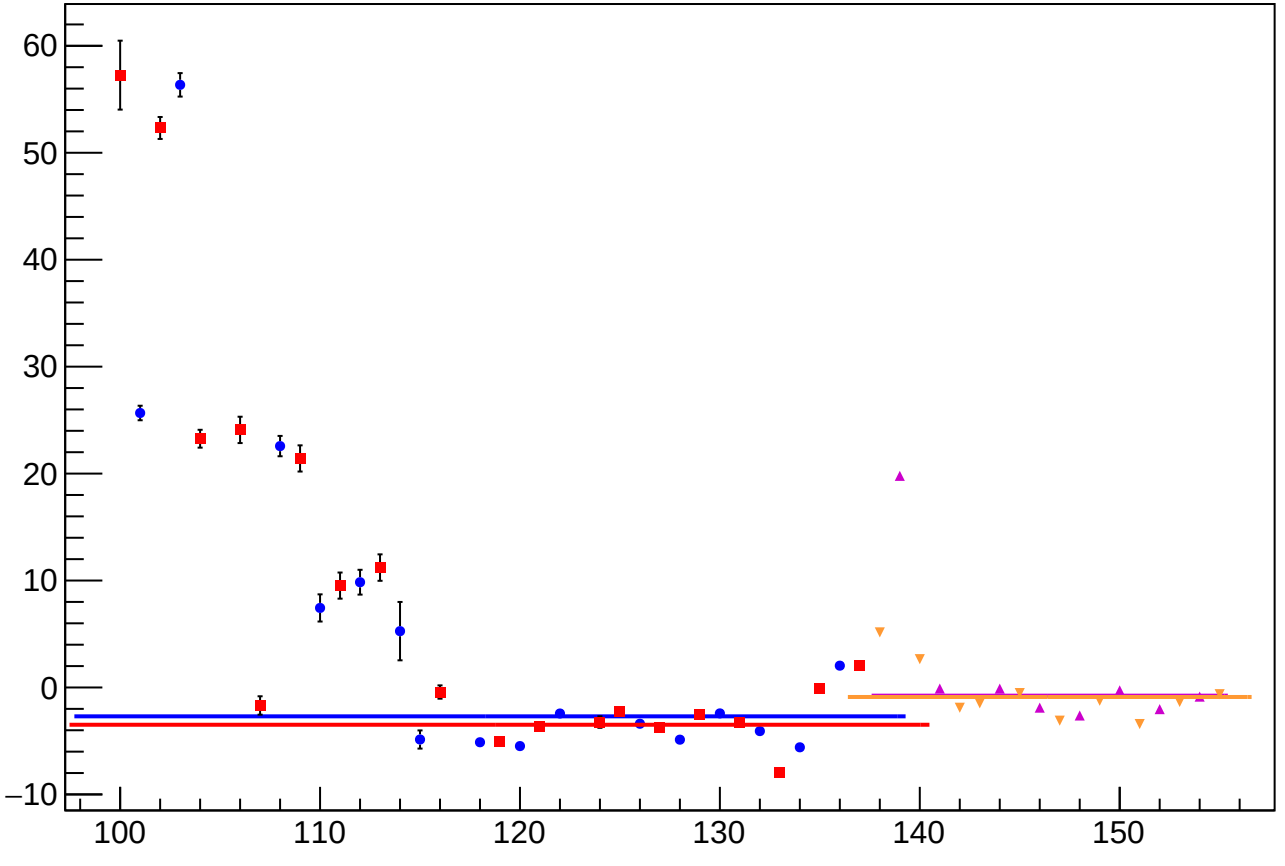
Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.860+/-0.043 χ^2/NDF:3469.1/23

Out: 0.541+/-0.042 χ^2/NDF:5880.8/28

All: 0.699+/-0.030 χ^2/NDF: 9378.4/52

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.889+/-0.035 χ^2/NDF:3685.6/9

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -0.765+/-0.036 χ^2/NDF:7405.3/7

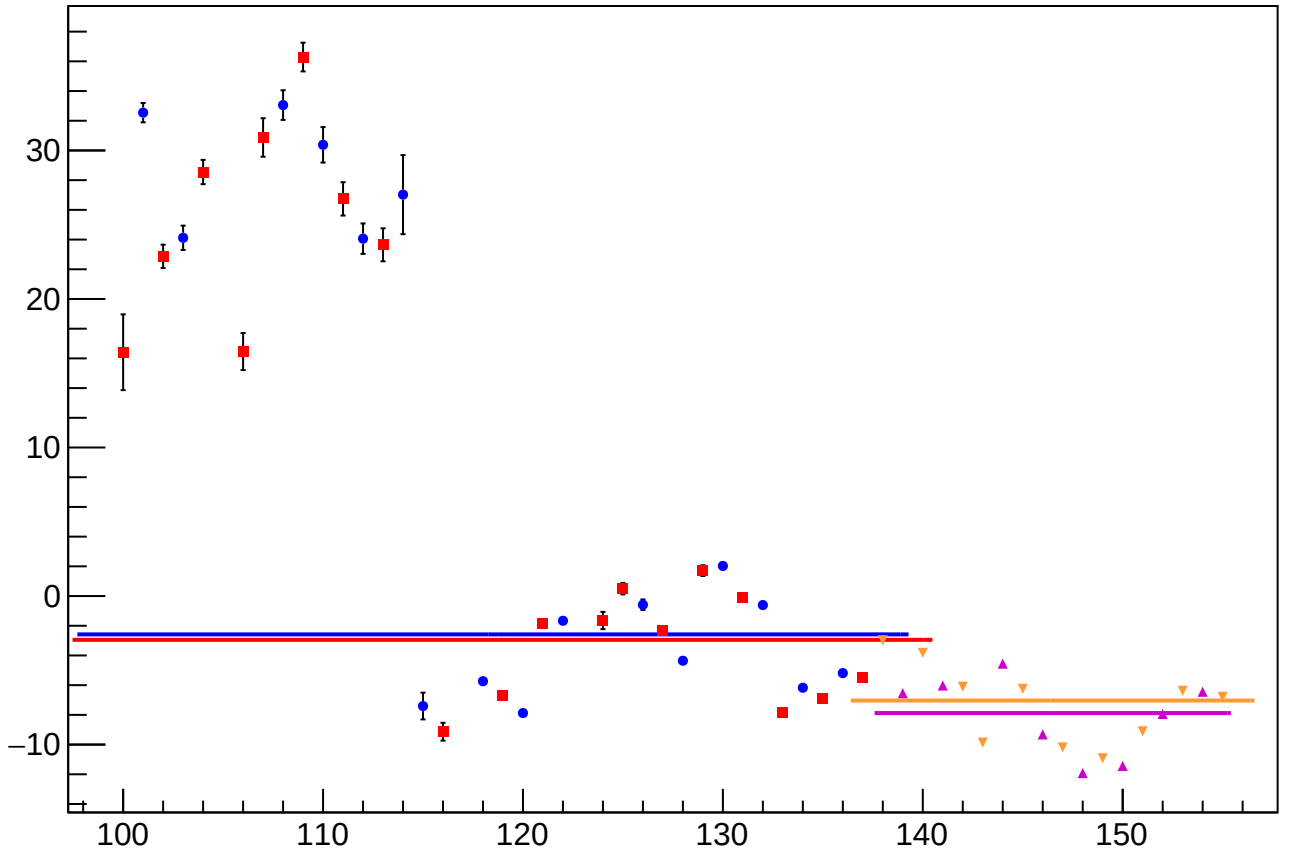
Left: -0.827+/-0.025 χ^2/NDF: 11097.1/17

Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.155+/-0.032 χ^2/NDF:15105.9/23

Out: -1.405+/-0.032 χ^2/NDF:11921.8/28

All: -1.281+/-0.022 χ^2/NDF: 27058.7/52



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -7.033+/-0.049 χ^2/NDF:2742.5/9

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -7.877+/-0.050 χ^2/NDF:2496.1/7

Left: -7.449+/-0.035 χ^2/NDF: 5382.1/17

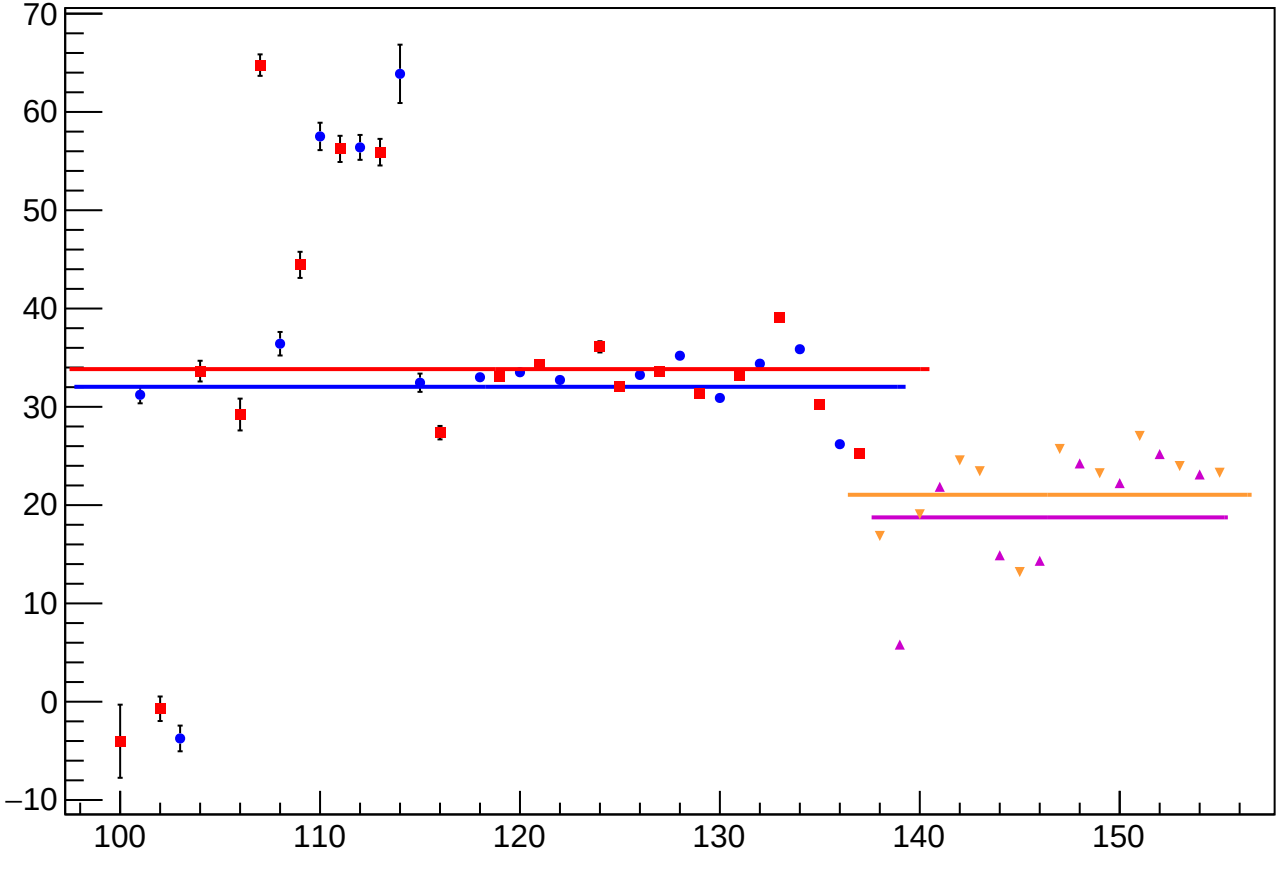
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.462+/-0.043 χ^2/NDF:13632.5/23

Out: -5.999+/-0.043 χ^2/NDF:12666.4/28

All: -6.229+/-0.030 χ^2/NDF: 26357.3/52

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: 21.052+/-0.042 χ^2/NDF:12855.3/9

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 18.753+/-0.043 χ^2/NDF:12950.2/7

Left: 19.914+/-0.030 χ^2/NDF: 27259.9/17

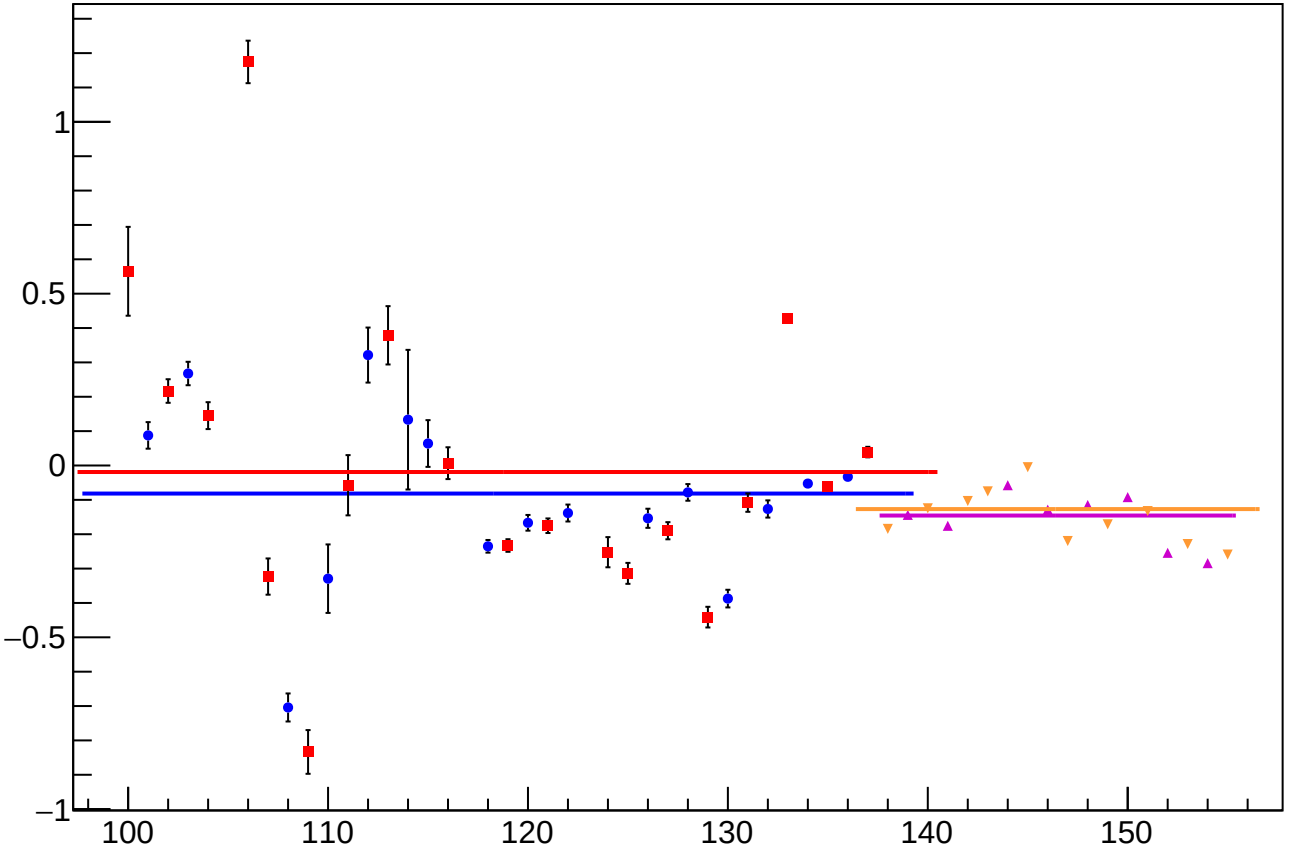
Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 21.641+/-0.038 χ^2/NDF:37109.2/23

Out: 23.771+/-0.038 χ^2/NDF:36411.6/28

All: 22.714+/-0.027 χ^2/NDF: 75110.9/52

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.127+/-0.002 χ^2/NDF:1893.6/9

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.146+/-0.002 χ^2/NDF:1196.7/7

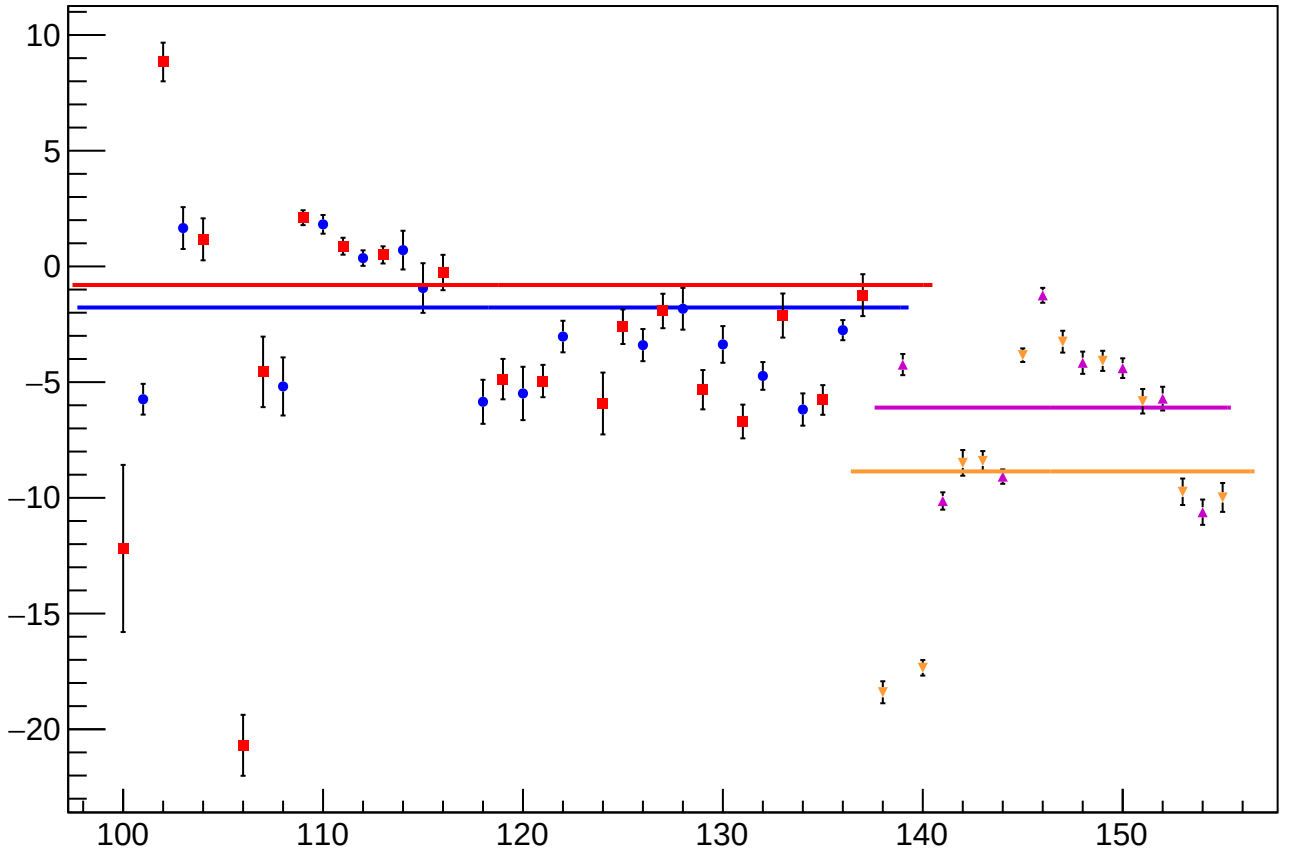
Left: -0.136+/-0.001 χ^2/NDF: 3134.5/17

Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.136+/-0.002 χ^2/NDF:2035.3/23

Out: -0.113+/-0.002 χ^2/NDF:4543.1/28

All: -0.125+/-0.001 χ^2/NDF: 6655.3/52



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -8.858+/-0.138 χ^2/NDF:1639.9/9

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -6.100+/-0.143 χ^2/NDF:552.1/7

Left: -7.530+/-0.099 χ^2/NDF: 2384.8/17

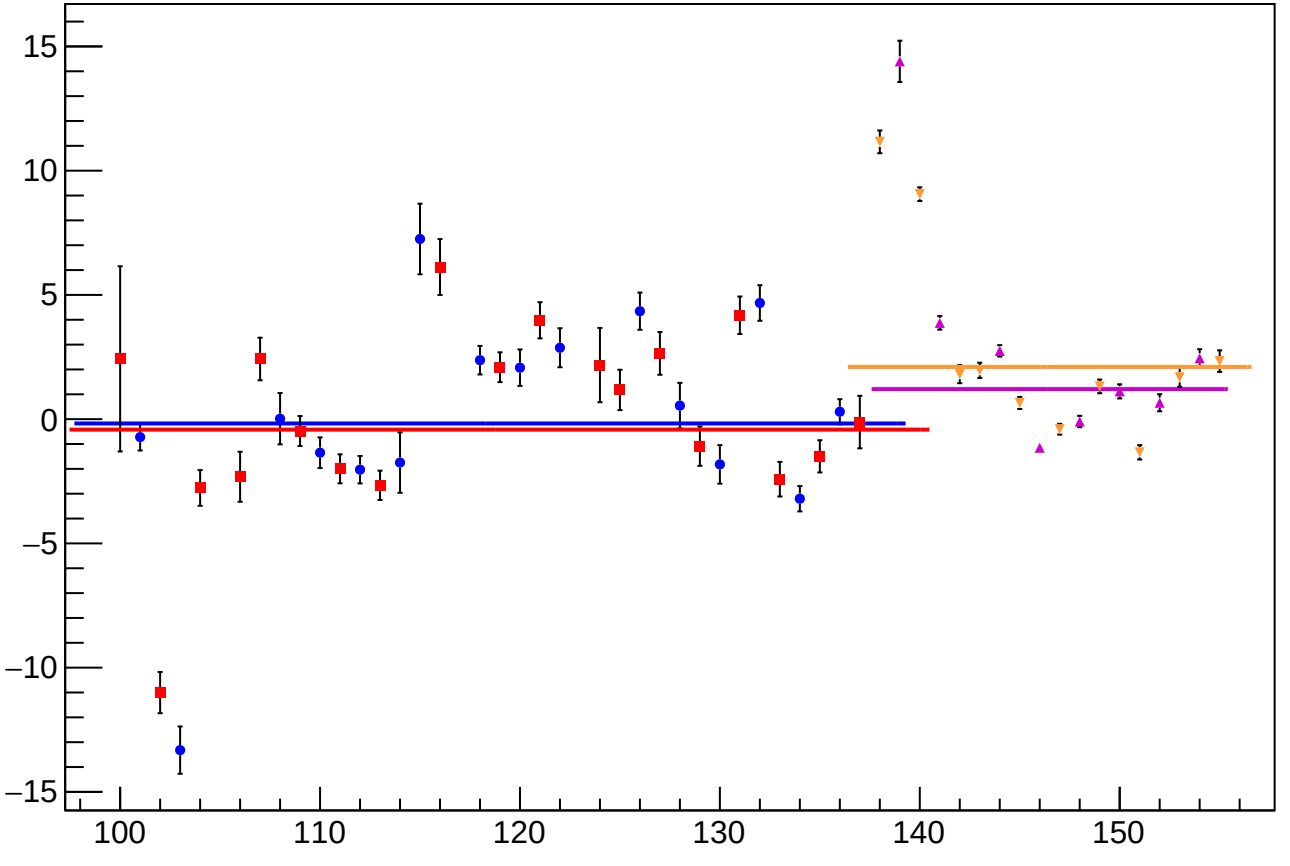
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -4.141+/-0.106 χ^2/NDF:1264.3/23

Out: -5.126+/-0.101 χ^2/NDF:3956.5/28

All: -4.656+/-0.073 χ^2/NDF: 5266.3/52

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.101+/-0.095 χ^2/NDF:1340.5/9

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.209+/-0.096 χ^2/NDF:585.3/7

Left: 1.662+/-0.068 χ^2/NDF: 1969.4/17

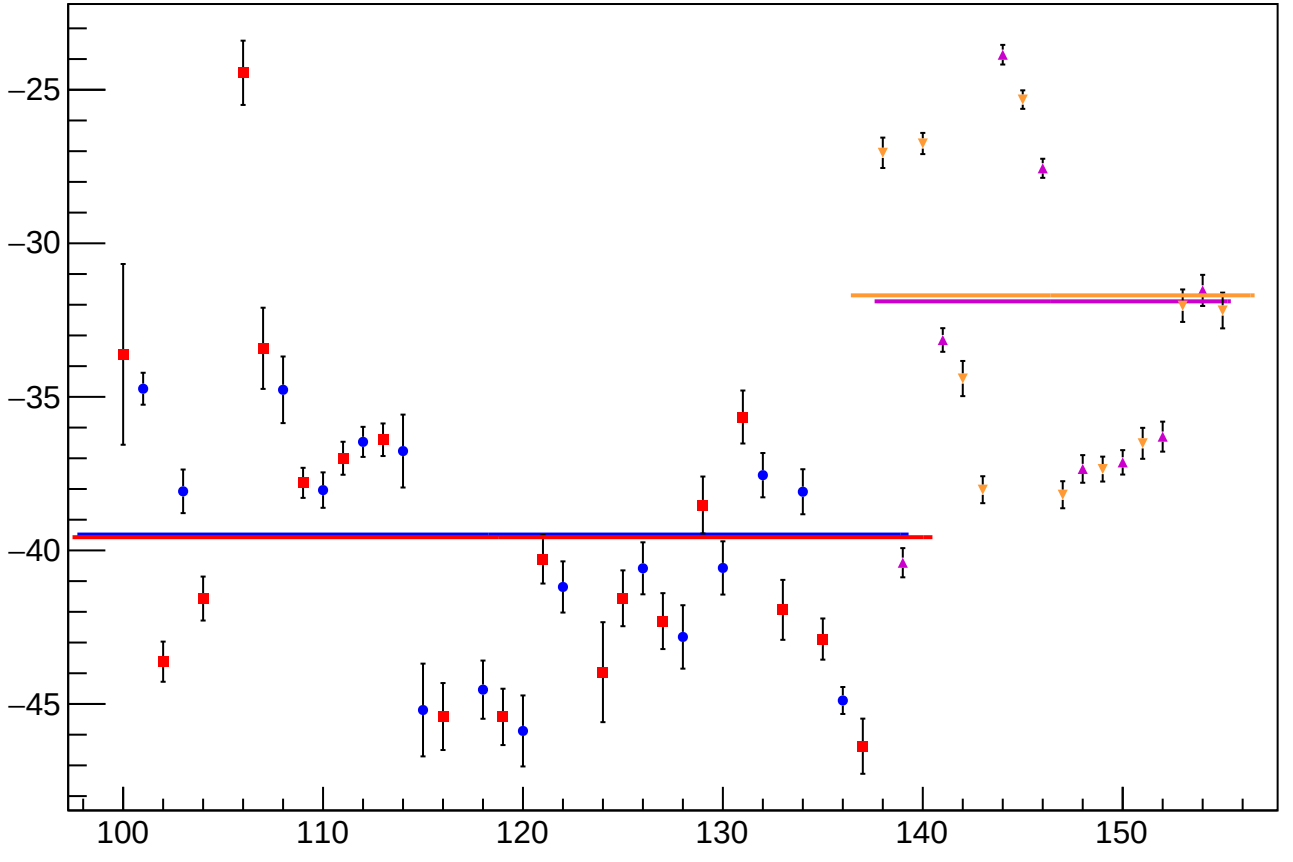
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 0.882+/-0.084 χ^2/NDF:1037.3/23

Out: 1.539+/-0.084 χ^2/NDF:1864.3/28

All: 1.213+/-0.059 χ^2/NDF: 2932.3/52

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: -31.694+/-0.137 χ^2/NDF:1475.4/9

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -31.889+/-0.140 χ^2/NDF:1559.0/7

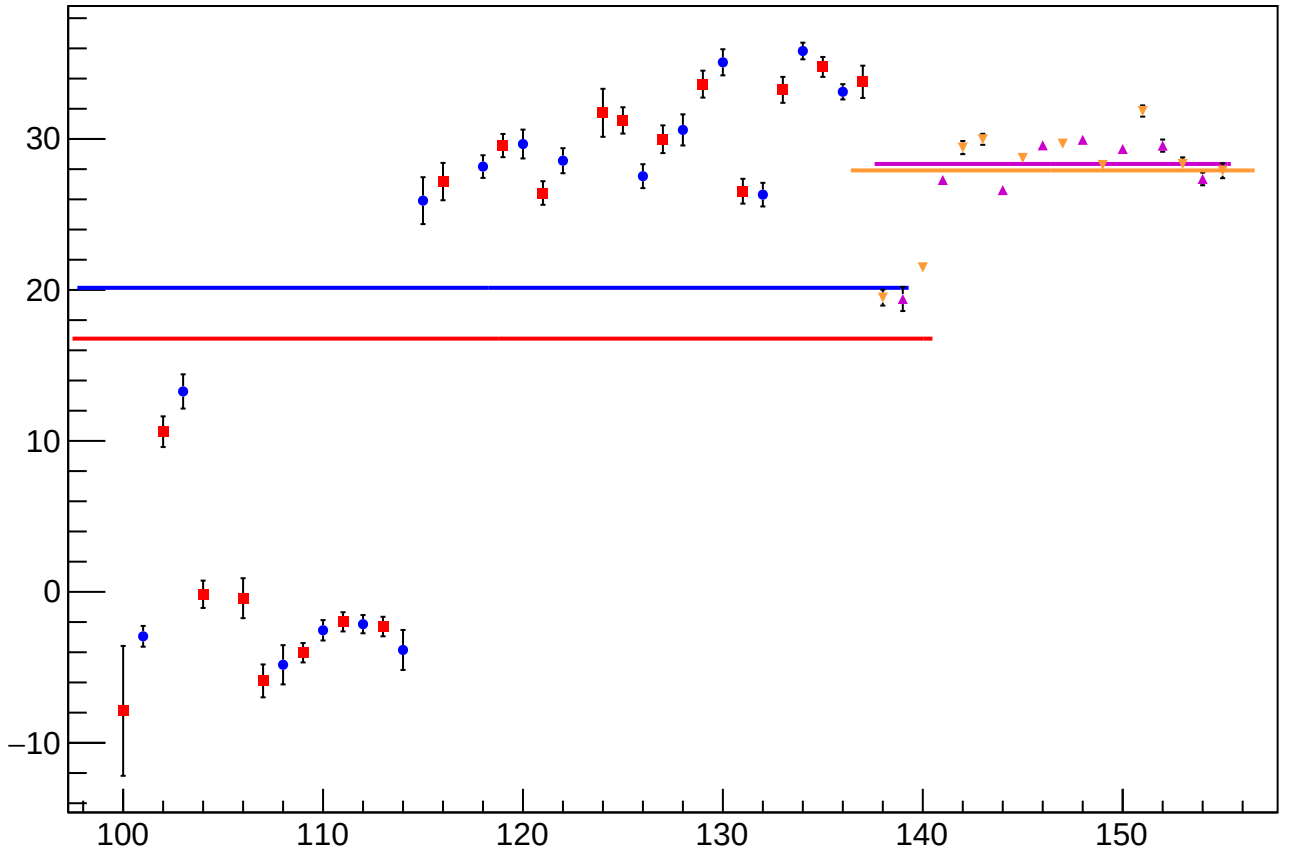
Left: -31.789+/-0.098 χ^2/NDF: 3035.4/17

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -34.760+/-0.111 χ^2/NDF:3072.8/23

Out: -34.558+/-0.109 χ^2/NDF:3233.9/28

All: -34.657+/-0.078 χ^2/NDF: 6308.3/52



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.917+/-0.115 χ^2/NDF:829.7/9

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.346+/-0.117 χ^2/NDF:252.3/7

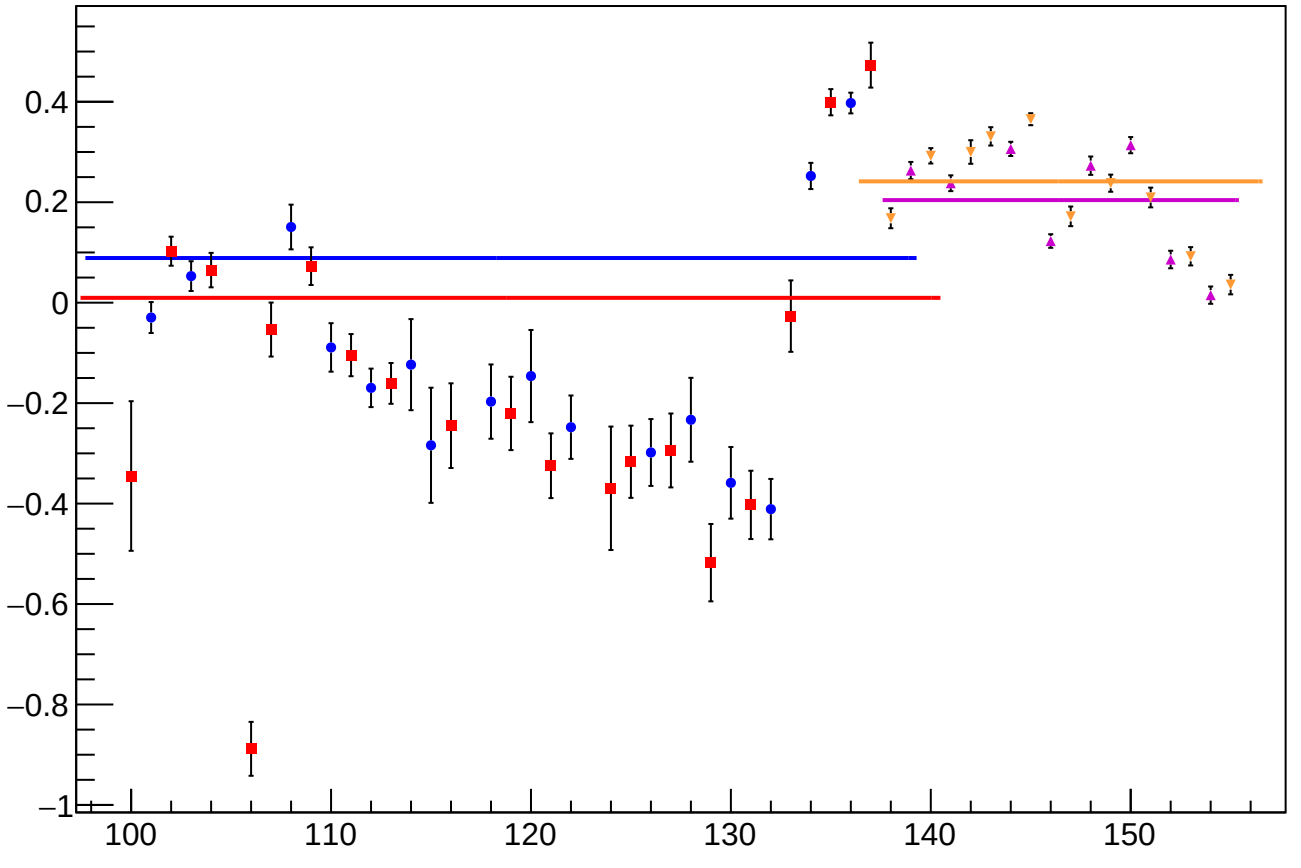
Left: 28.128+/-0.082 χ^2/NDF: 1088.8/17

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.163+/-0.100 χ^2/NDF:8240.6/23

Out: 25.131+/-0.100 χ^2/NDF:9903.3/28

All: 25.644+/-0.071 χ^2/NDF: 18197.0/52



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.242+/-0.006 χ^2/NDF:357.0/9

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.204+/-0.006 χ^2/NDF:331.6/7

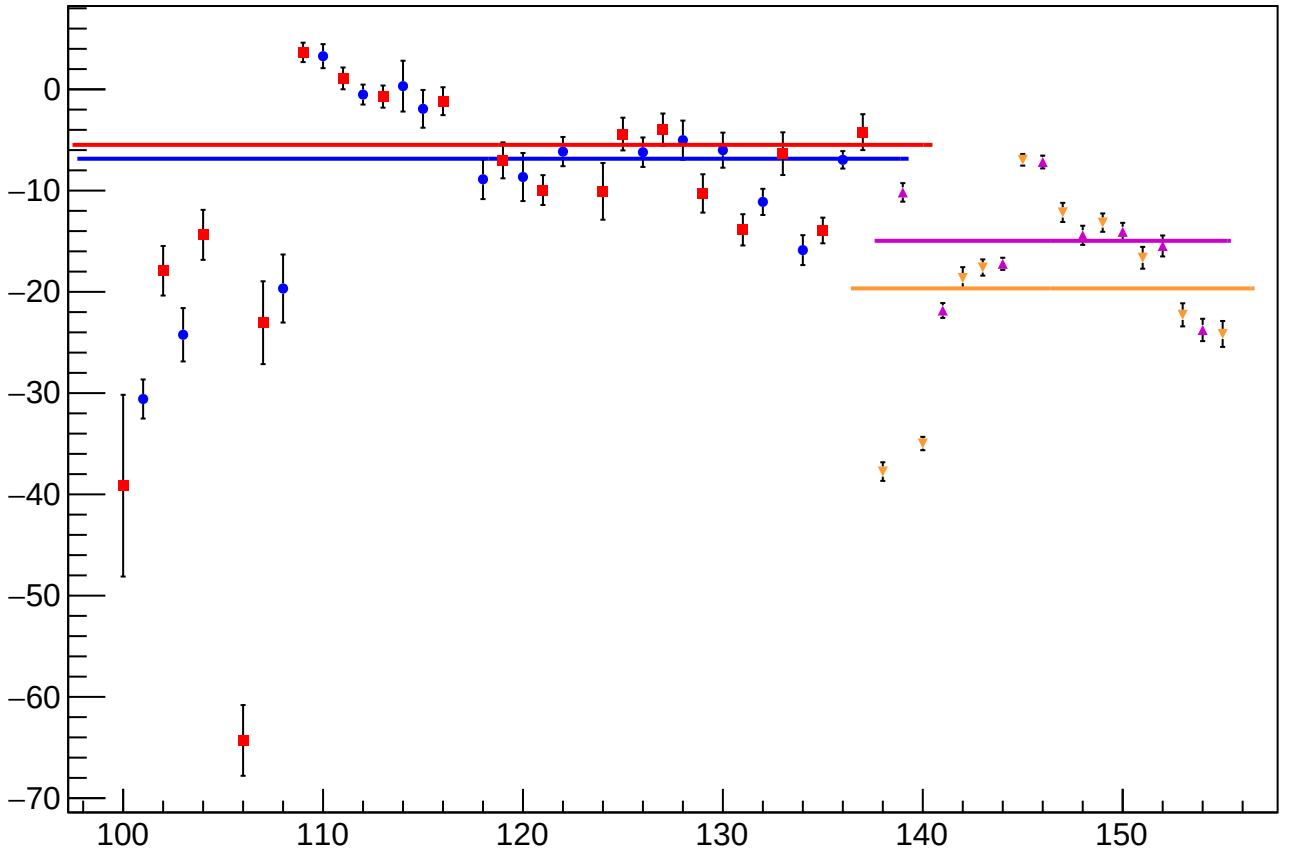
Left: 0.223+/-0.004 χ^2/NDF: 711.0/17

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.178+/-0.005 χ^2/NDF:990.4/23

Out: 0.195+/-0.005 χ^2/NDF:1546.2/28

All: 0.187+/-0.003 χ^2/NDF: 2542.6/52



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -19.659+/-0.272 χ^2/NDF:1558.1/9

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -14.958+/-0.284 χ^2/NDF:344.7/7

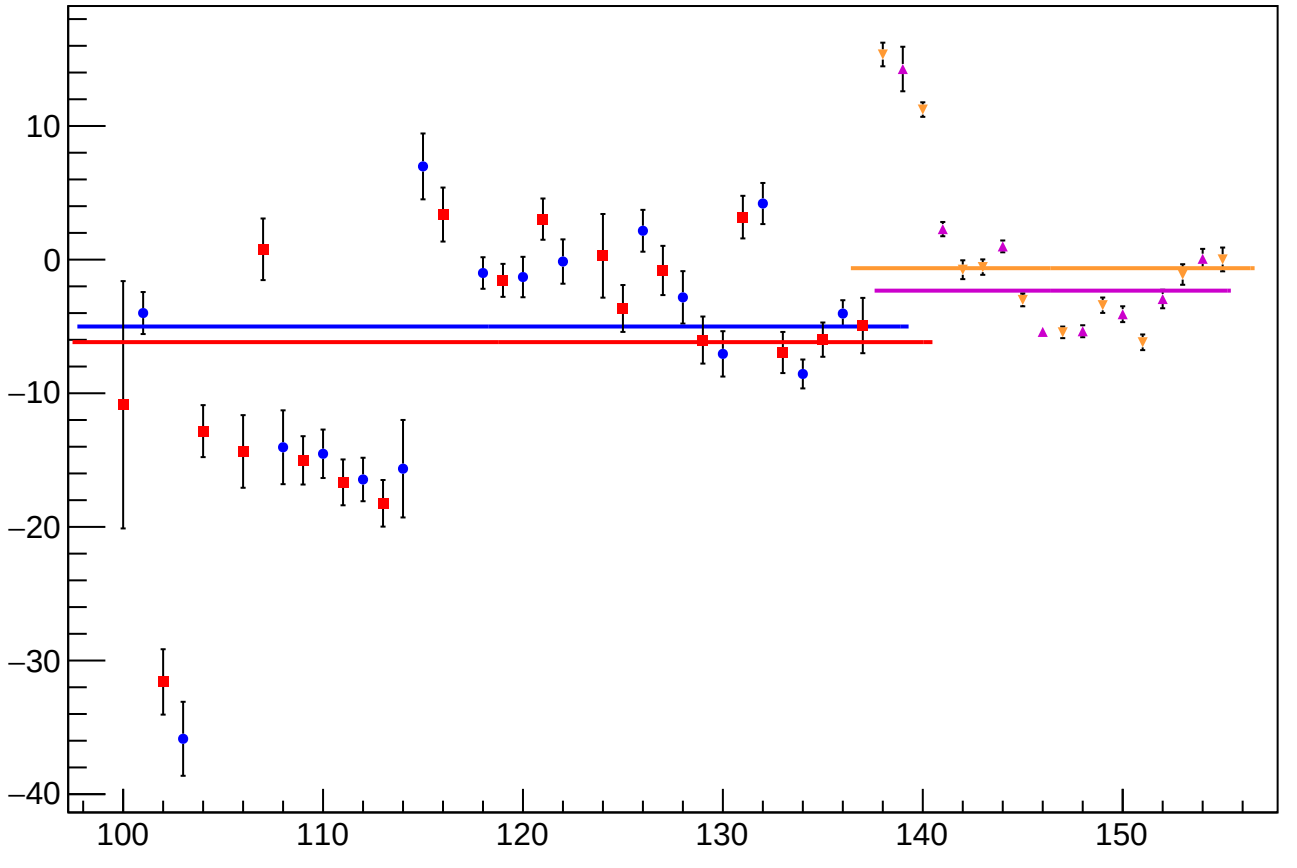
Left: -17.403+/-0.196 χ^2/NDF: 2045.8/17

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -12.016+/-0.226 χ^2/NDF:1031.4/23

Out: -14.660+/-0.219 χ^2/NDF:3120.1/28

All: -13.380+/-0.157 χ^2/NDF: 4222.0/52



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.640+/-0.188 χ^2/NDF:1063.2/9

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -2.321+/-0.190 χ^2/NDF:362.8/7

Left: -1.473+/-0.134 χ^2/NDF: 1465.7/17

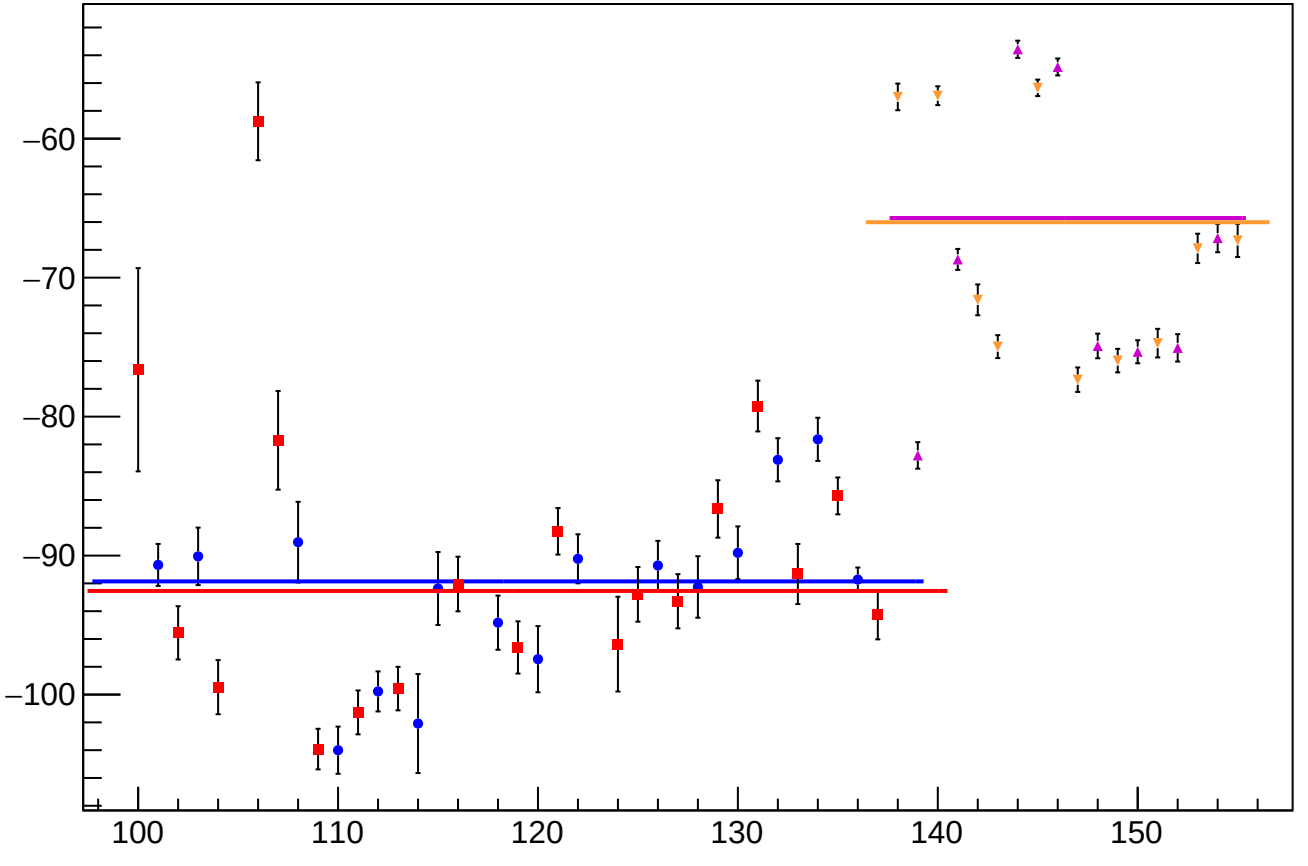
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -2.823+/-0.171 χ^2/NDF:742.0/23

Out: -1.577+/-0.171 χ^2/NDF:1578.9/28

All: -2.201+/-0.121 χ^2/NDF: 2347.4/52

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: -66.012+/-0.271 χ^2/NDF:1057.0/9

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -65.709+/-0.279 χ^2/NDF:1372.6/7

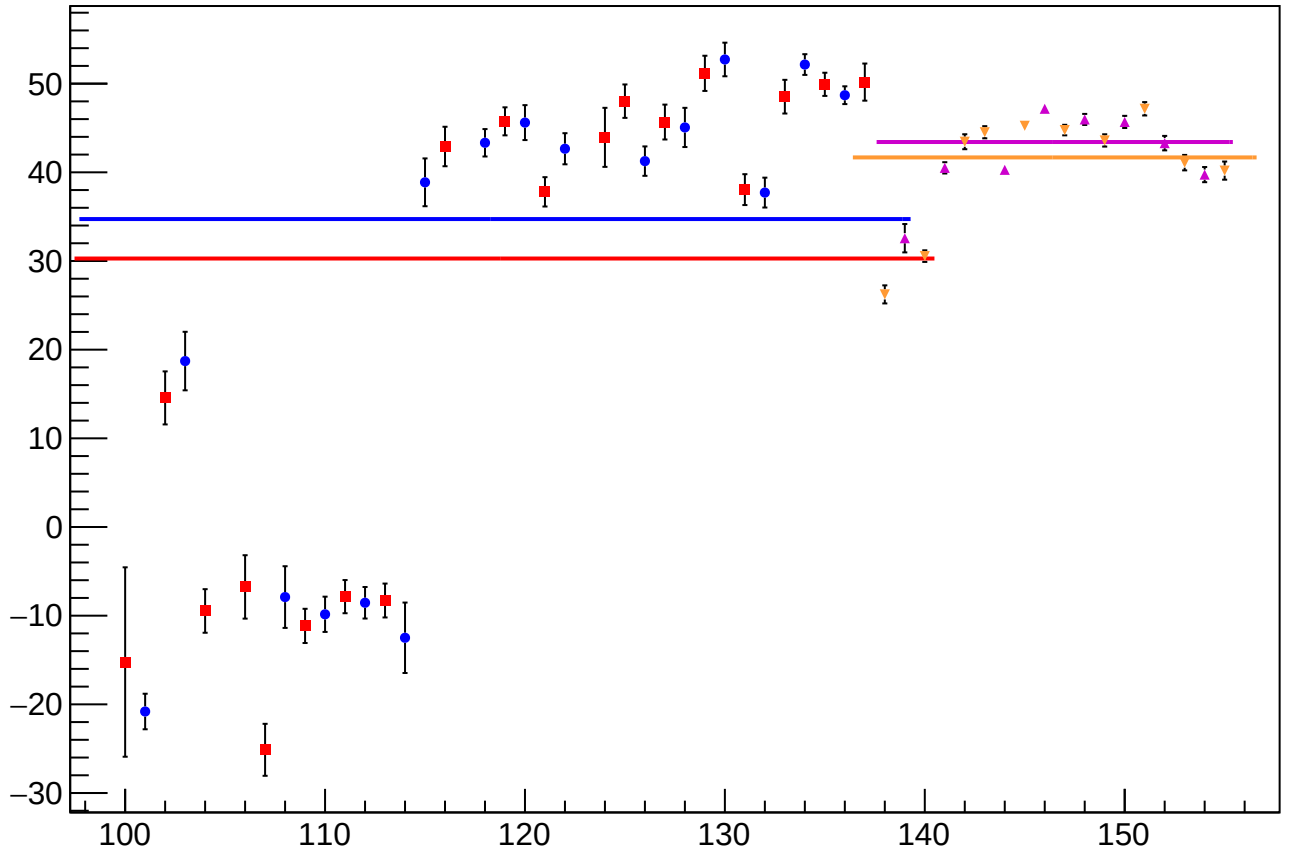
Left: -65.865+/-0.194 χ^2/NDF: 2430.1/17

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -73.601+/-0.233 χ^2/NDF:4204.4/23

Out: -73.328+/-0.231 χ^2/NDF:4087.2/28

All: -73.463+/-0.164 χ^2/NDF: 8292.3/52



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.680+/-0.229 χ^2/NDF:672.8/9

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 43.418+/-0.232 χ^2/NDF:212.8/7

Left: 42.537+/-0.163 χ^2/NDF: 914.1/17

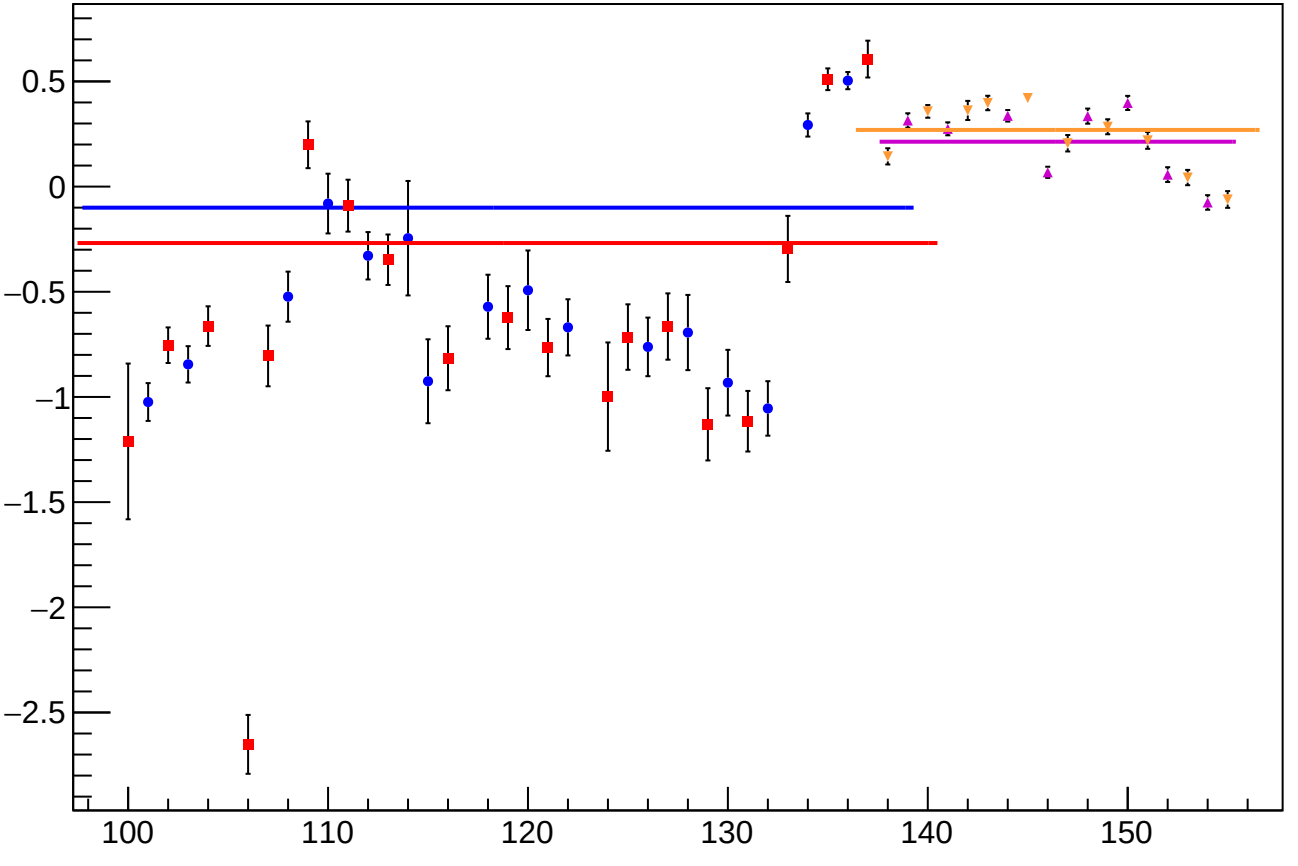
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 41.545+/-0.205 χ^2/NDF:3325.2/23

Out: 39.478+/-0.205 χ^2/NDF:4064.6/28

All: 40.512+/-0.145 χ^2/NDF: 7440.5/52

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.269+/-0.011 χ^2/NDF:190.8/9

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.213+/-0.011 χ^2/NDF:193.2/7

Left: 0.242+/-0.008 χ^2/NDF: 396.8/17

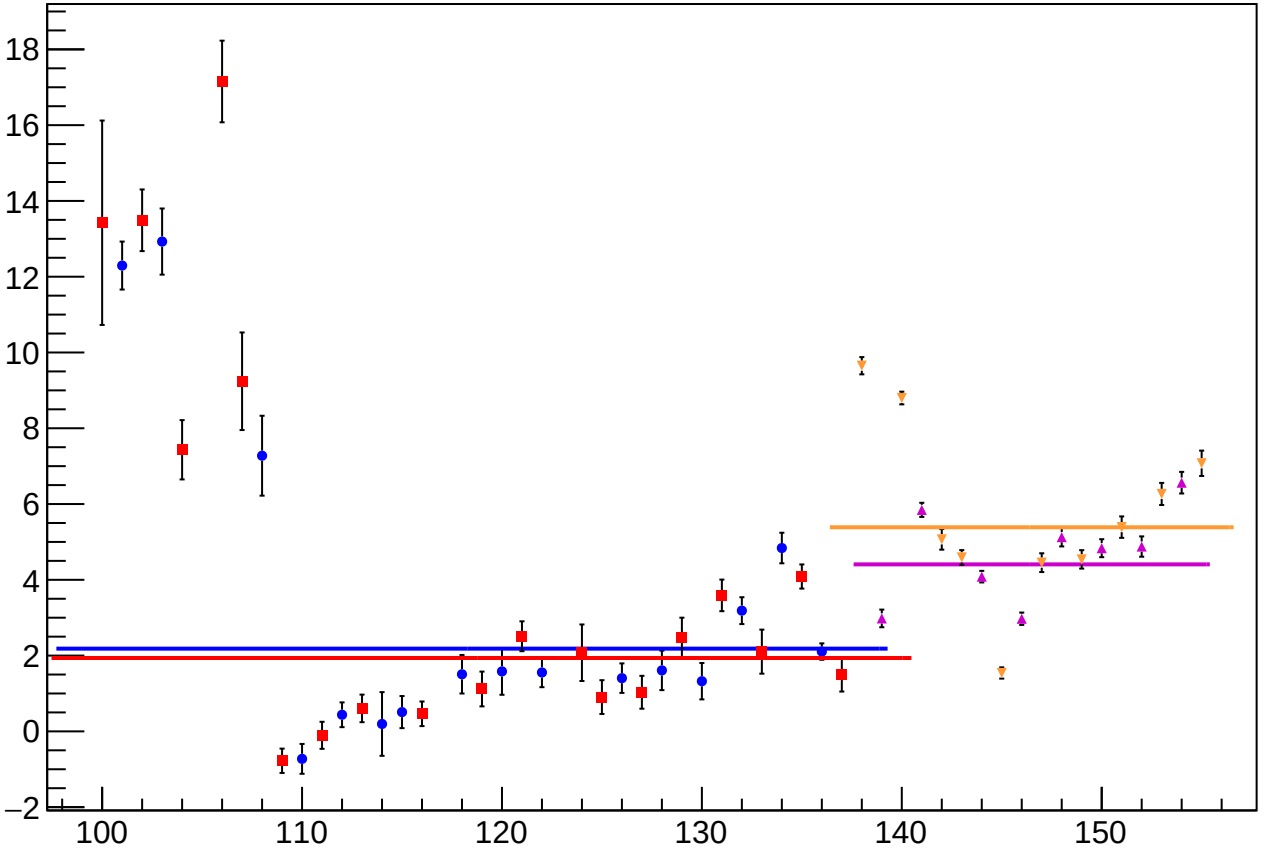
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.157+/-0.010 χ^2/NDF:964.5/23

Out: 0.190+/-0.010 χ^2/NDF:1368.6/28

All: 0.174+/-0.007 χ^2/NDF: 2338.5/52

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: 5.387+/-0.070 χ^2/NDF:1513.3/9

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 4.407+/-0.073 χ^2/NDF:250.7/7

Left: 4.920+/-0.050 χ^2/NDF: 1858.4/17

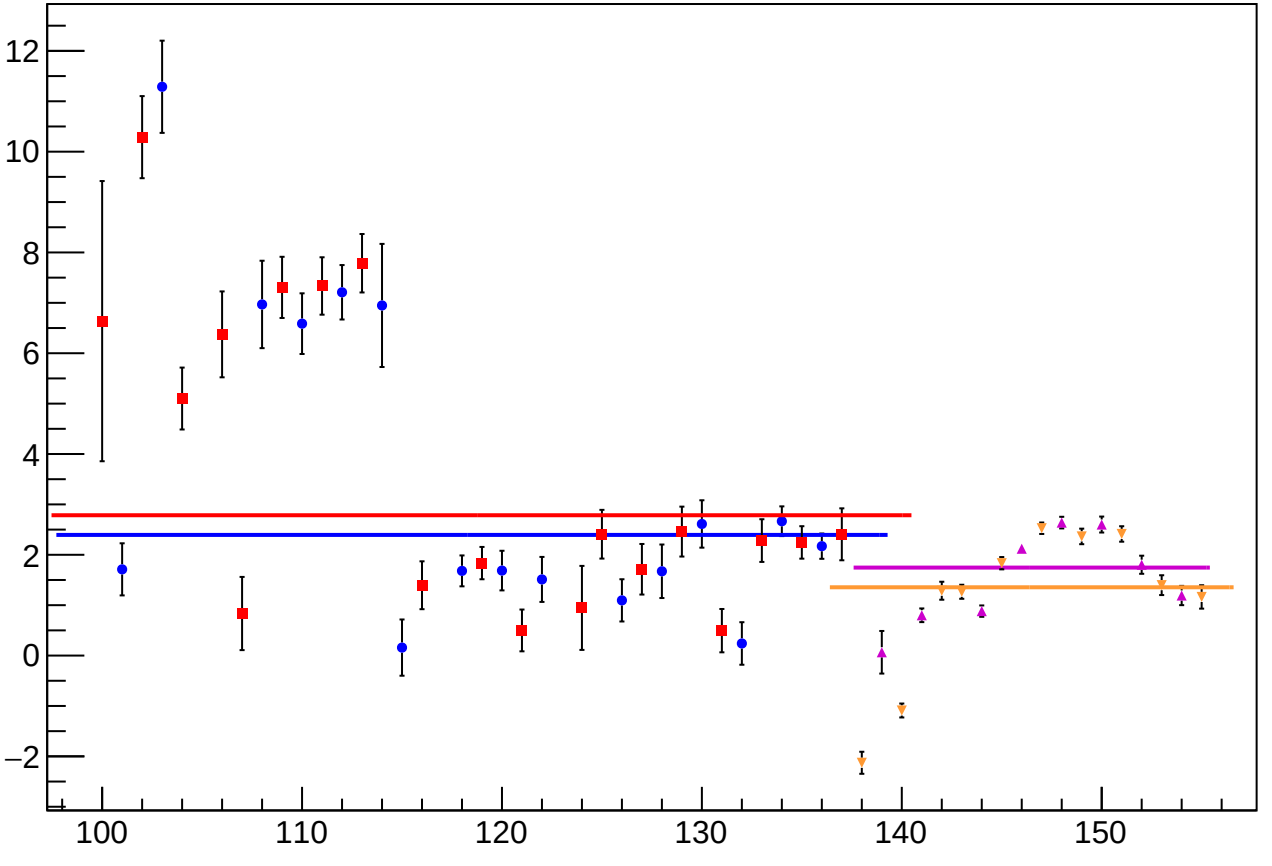
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.684+/-0.060 χ^2/NDF:1152.6/23

Out: 4.341+/-0.058 χ^2/NDF:2976.0/28

All: 4.022+/-0.042 χ^2/NDF: 4190.7/52

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: 1.355+/-0.048 χ^2/NDF:779.9/9

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.746+/-0.049 χ^2/NDF:236.0/7

Left: 1.549+/-0.034 χ^2/NDF: 1048.5/17

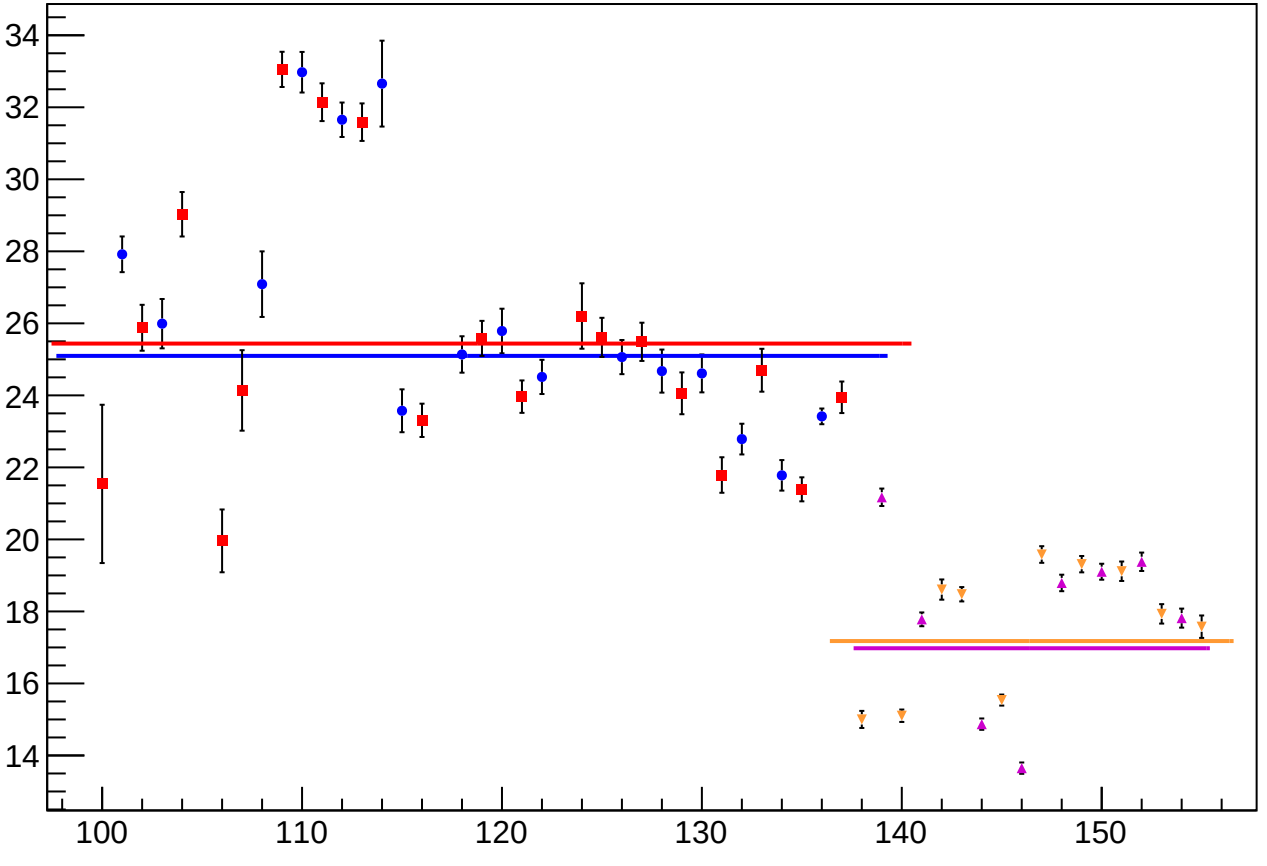
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.855+/-0.044 χ^2/NDF:599.8/23

Out: 1.566+/-0.045 χ^2/NDF:1320.5/28

All: 1.711+/-0.031 χ^2/NDF: 1941.3/52

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: 17.177+/-0.069 χ^2/NDF:669.5/9

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 16.977+/-0.072 χ^2/NDF:1197.9/7

Left: 17.081+/-0.050 χ^2/NDF: 1871.4/17

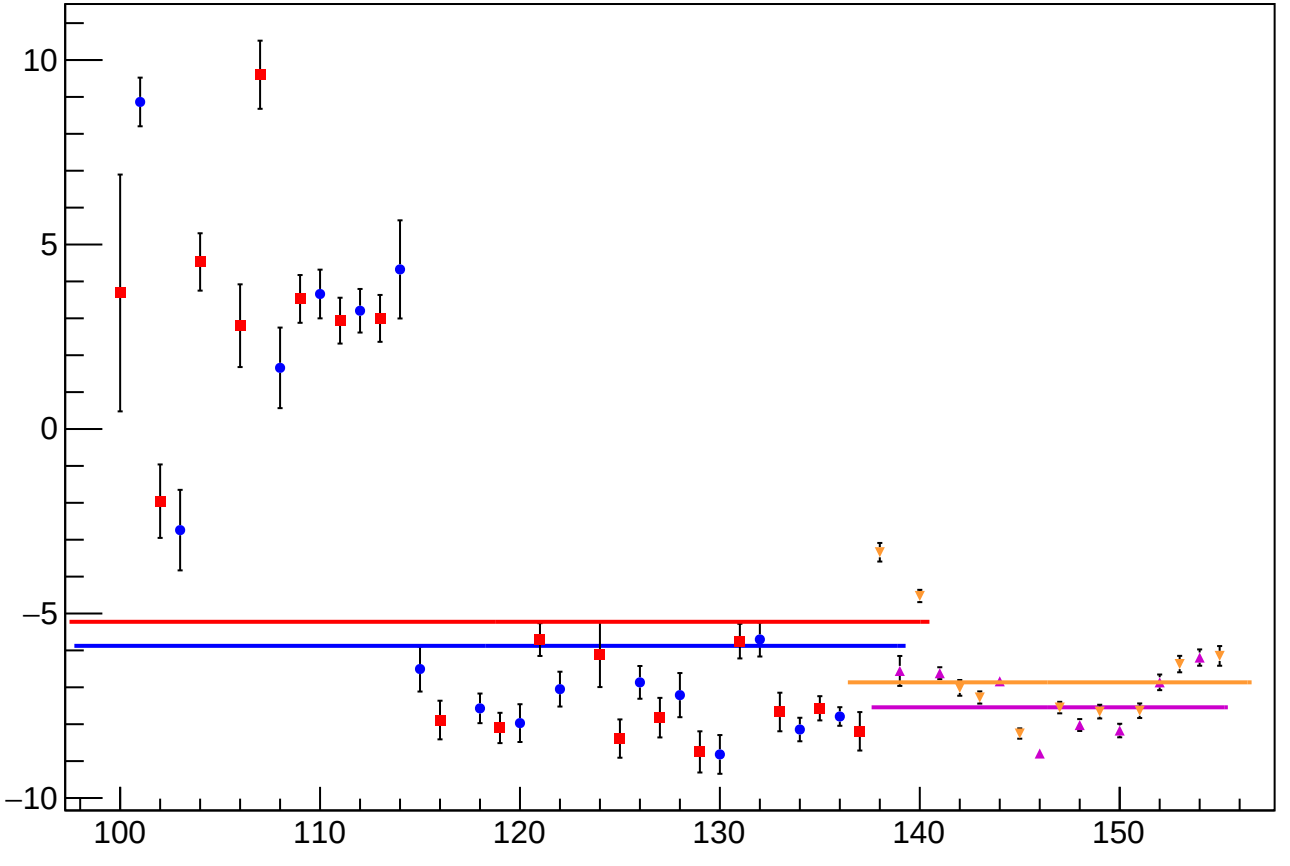
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 19.182+/-0.061 χ^2/NDF:5296.6/23

Out: 19.146+/-0.061 χ^2/NDF:4926.5/28

All: 19.164+/-0.043 χ^2/NDF: 10223.3/52

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.865+/-0.059 χ^2/NDF:563.2/9

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -7.542+/-0.060 χ^2/NDF:244.2/7

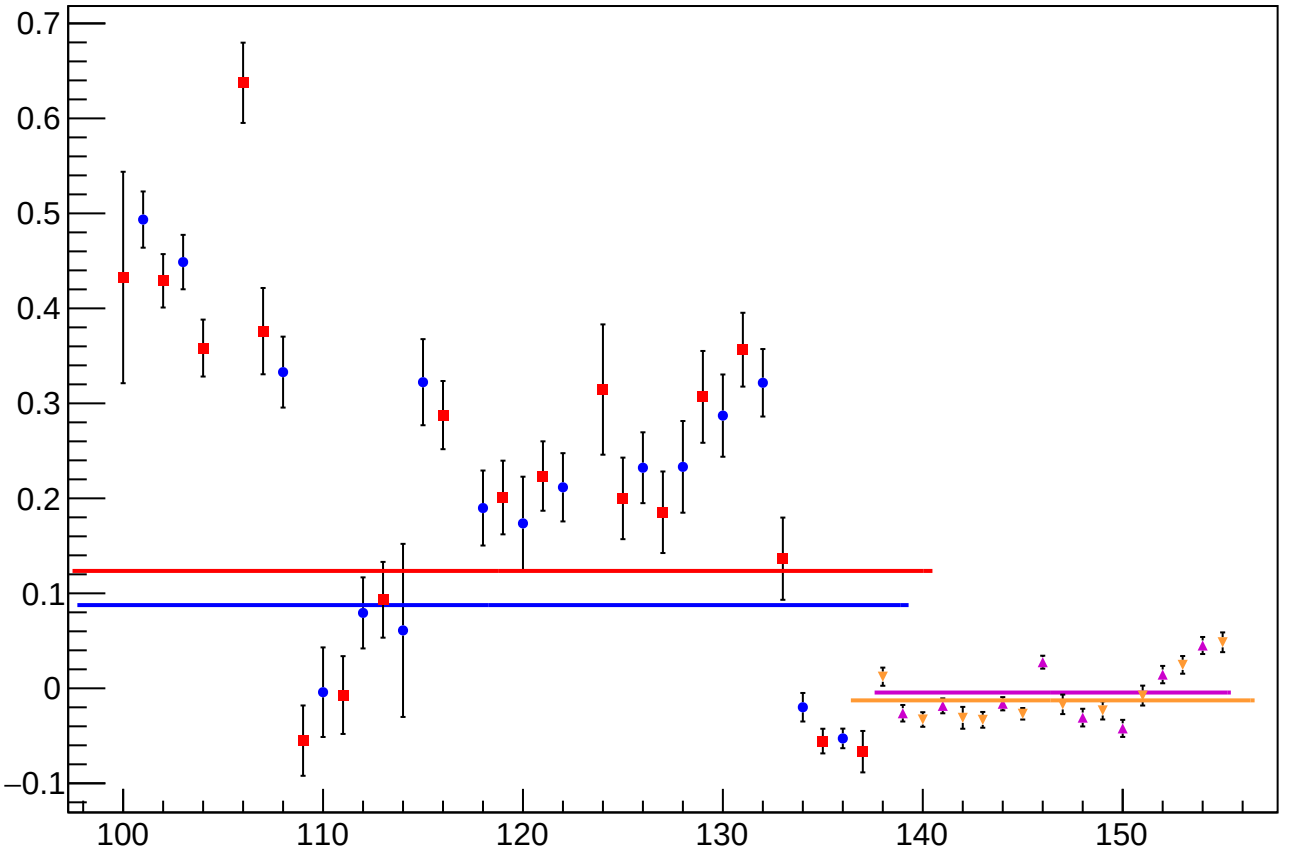
Left: -7.198+/-0.042 χ^2/NDF: 873.0/17

Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -7.216+/-0.053 χ^2/NDF:1648.9/23

Out: -6.586+/-0.053 χ^2/NDF:1988.5/28

All: -6.901+/-0.038 χ^2/NDF: 3706.9/52



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.013+/-0.003 χ^2/NDF:80.1/9

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.004+/-0.003 χ^2/NDF:94.8/7

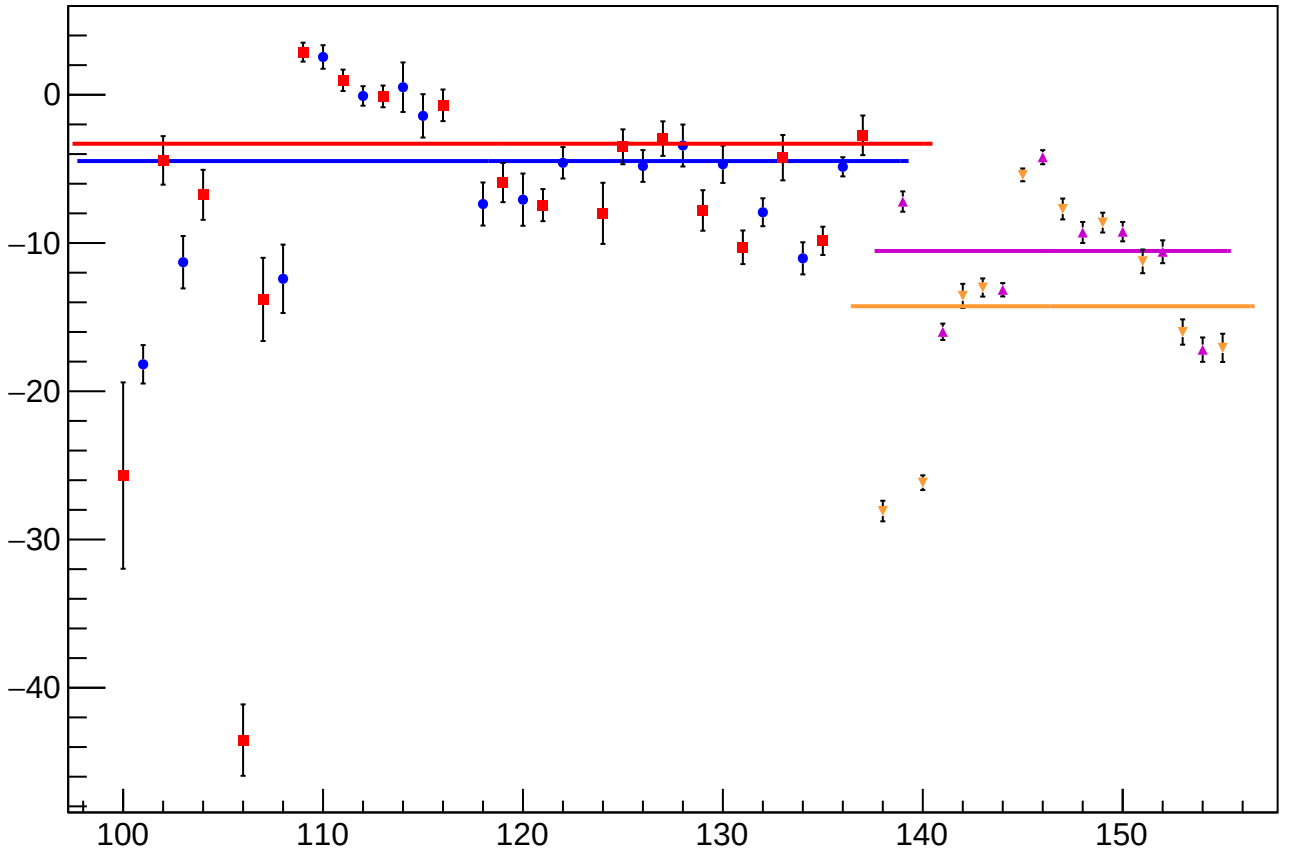
Left: -0.009+/-0.002 χ^2/NDF: 179.1/17

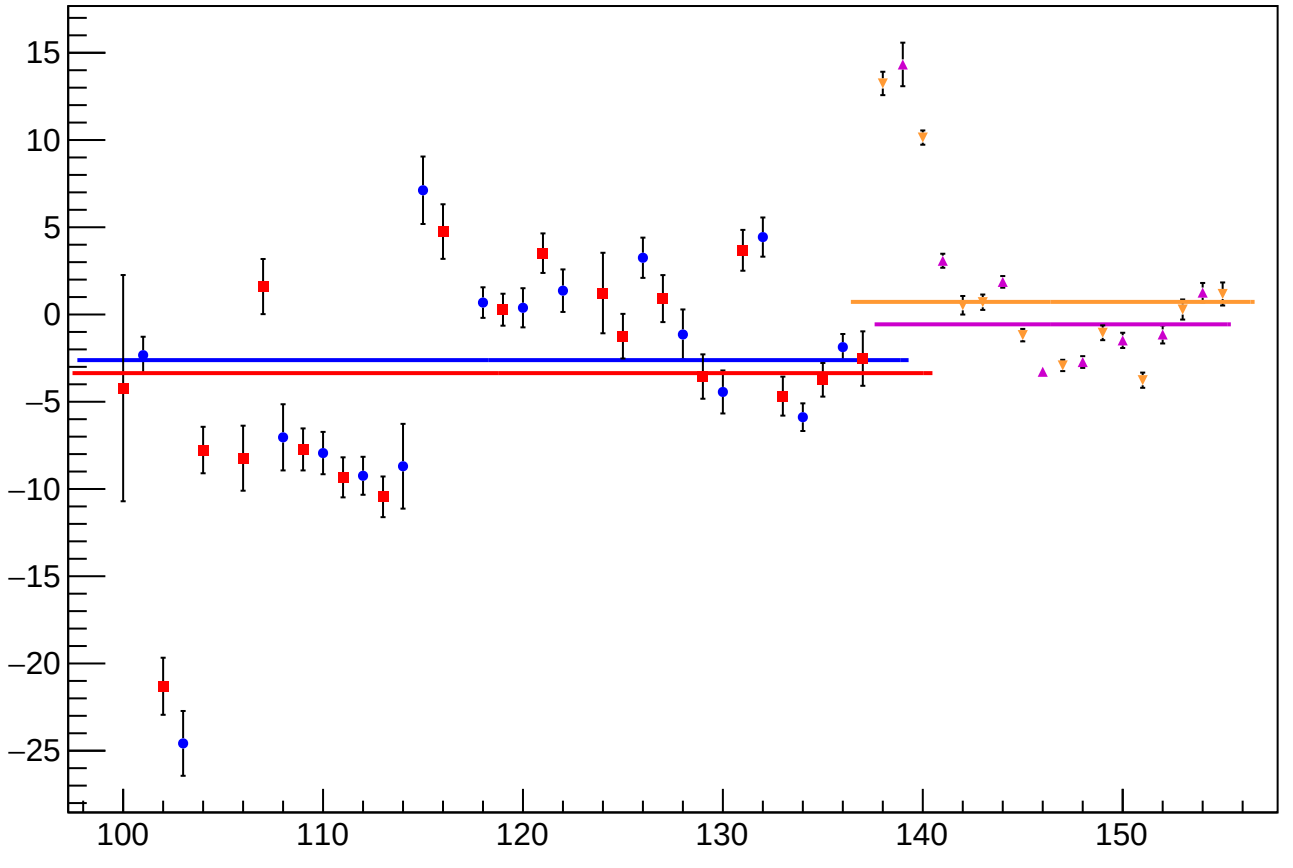
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.010+/-0.003 χ^2/NDF:1026.4/23

Out: 0.005+/-0.003 χ^2/NDF:1144.0/28

All: 0.008+/-0.002 χ^2/NDF: 2172.7/52


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
100
110
120
130
140
150
Right In: -4.471+/-0.268 χ²/NDF: 331.8/15
Left Out: -14.264+/-0.204 χ²/NDF:1580.2/9
Right Out: -3.302+/-0.261 χ²/NDF: 584.6/18
Left In: -10.536+/-0.212 χ²/NDF:403.3/7
Left: -12.472+/-0.147 χ²/NDF: 2143.4/17
Right: -3.869+/-0.187 χ²/NDF: 926.1/34
In: -8.201+/-0.167 χ²/NDF:1049.1/23
Out: -10.095+/-0.161 χ²/NDF:3259.4/28
All: -9.181+/-0.116 χ²/NDF: 4375.5/52



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.723+/-0.141 χ^2/NDF:1158.5/9

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: -0.564+/-0.142 χ^2/NDF:427.4/7

Left: 0.087+/-0.100 χ^2/NDF: 1627.2/17

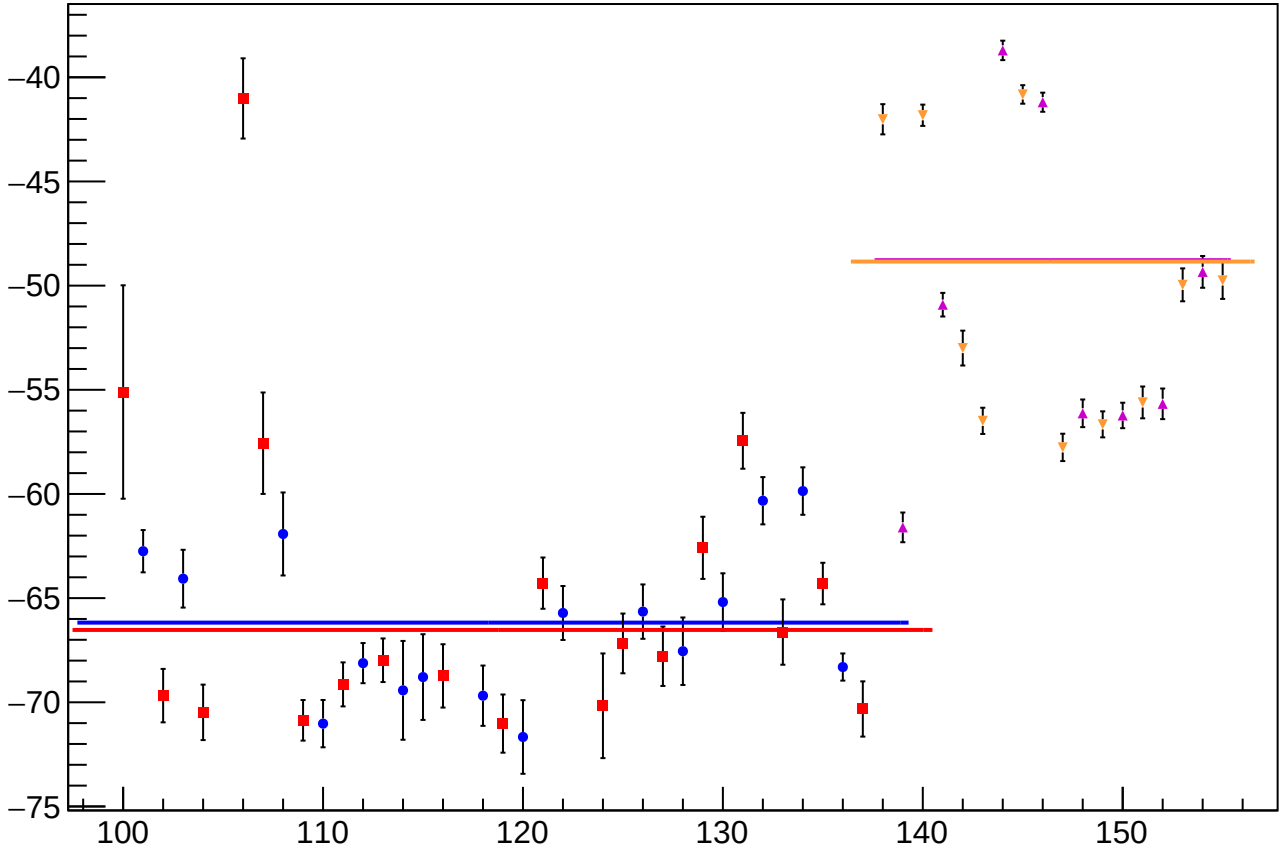
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -0.972+/-0.127 χ^2/NDF:820.7/23

Out: -0.020+/-0.127 χ^2/NDF:1670.9/28

All: -0.496+/-0.090 χ^2/NDF: 2519.5/52

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -48.845+/-0.203 χ^2/NDF:1198.3/9

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -48.778+/-0.209 χ^2/NDF:1436.1/7

Left: -48.812+/-0.146 χ^2/NDF: 2634.4/17

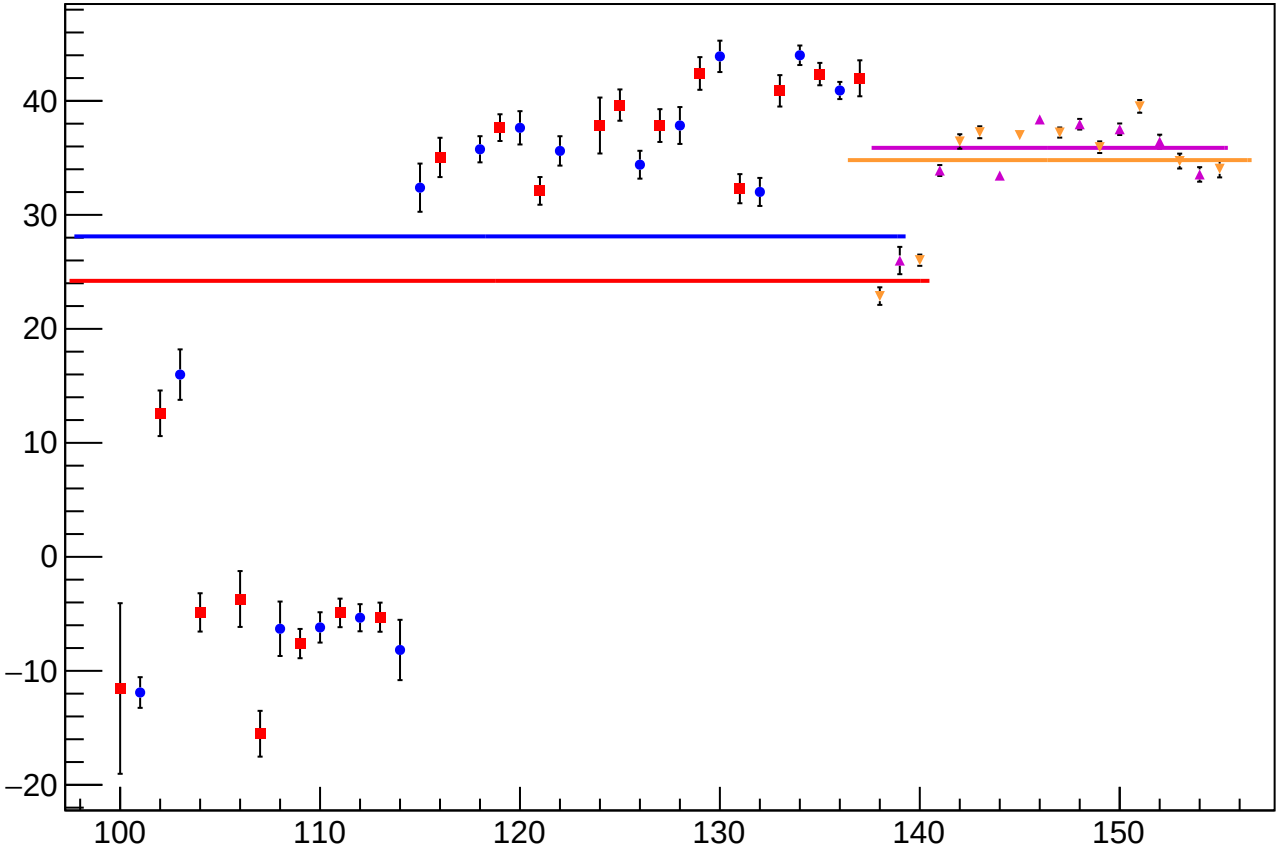
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -54.347+/-0.172 χ^2/NDF:3787.5/23

Out: -54.099+/-0.170 χ^2/NDF:3770.5/28

All: -54.221+/-0.121 χ^2/NDF: 7559.0/52

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.803+/-0.171 χ^2/NDF:720.5/9

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.879+/-0.174 χ^2/NDF:217.5/7

Left: 35.333+/-0.122 χ^2/NDF: 957.4/17

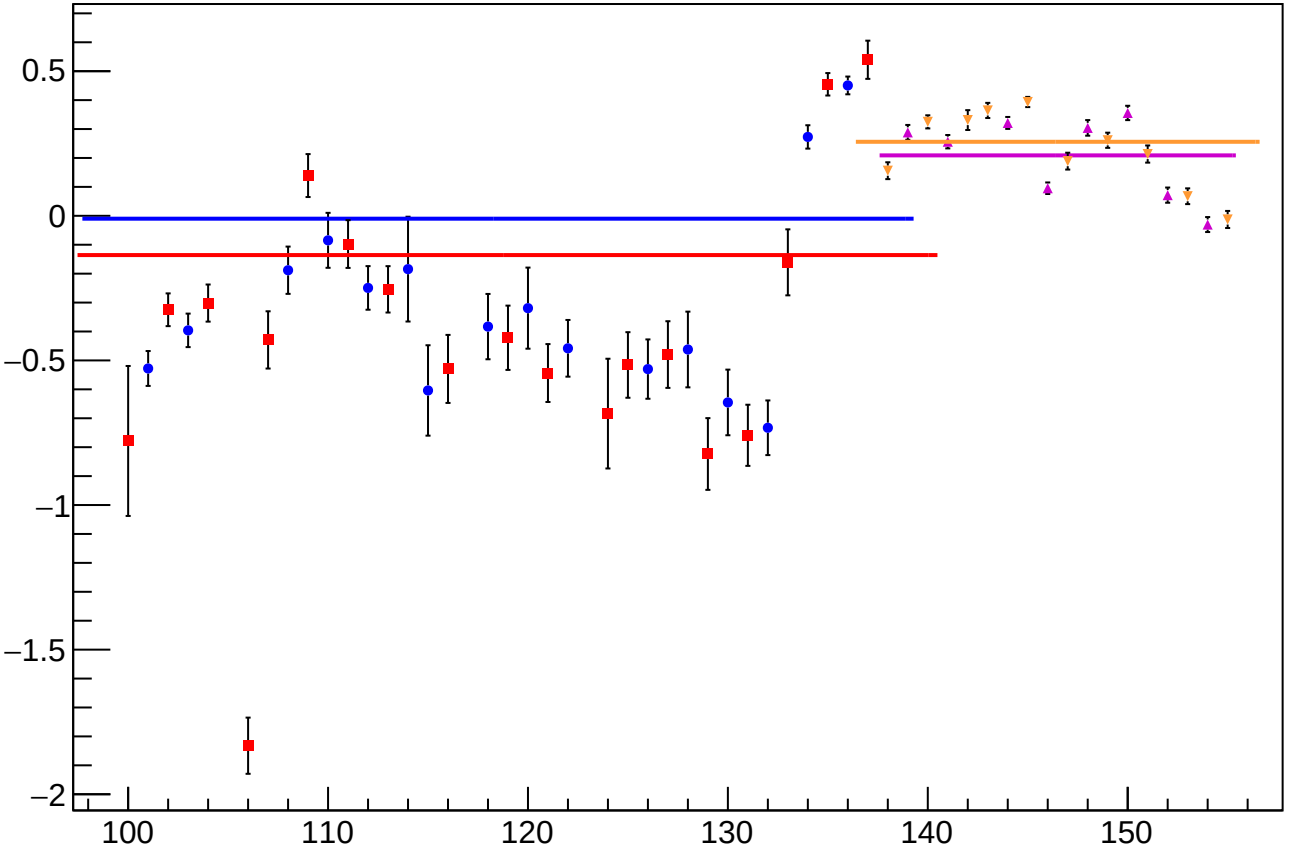
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 34.111+/-0.153 χ^2/NDF:4400.3/23

Out: 32.615+/-0.153 χ^2/NDF:5352.3/28

All: 33.362+/-0.108 χ^2/NDF: 9800.7/52

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.256+/-0.008 χ^2/NDF:241.6/9

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.209+/-0.008 χ^2/NDF:235.9/7

Left: 0.233+/-0.006 χ^2/NDF: 493.5/17

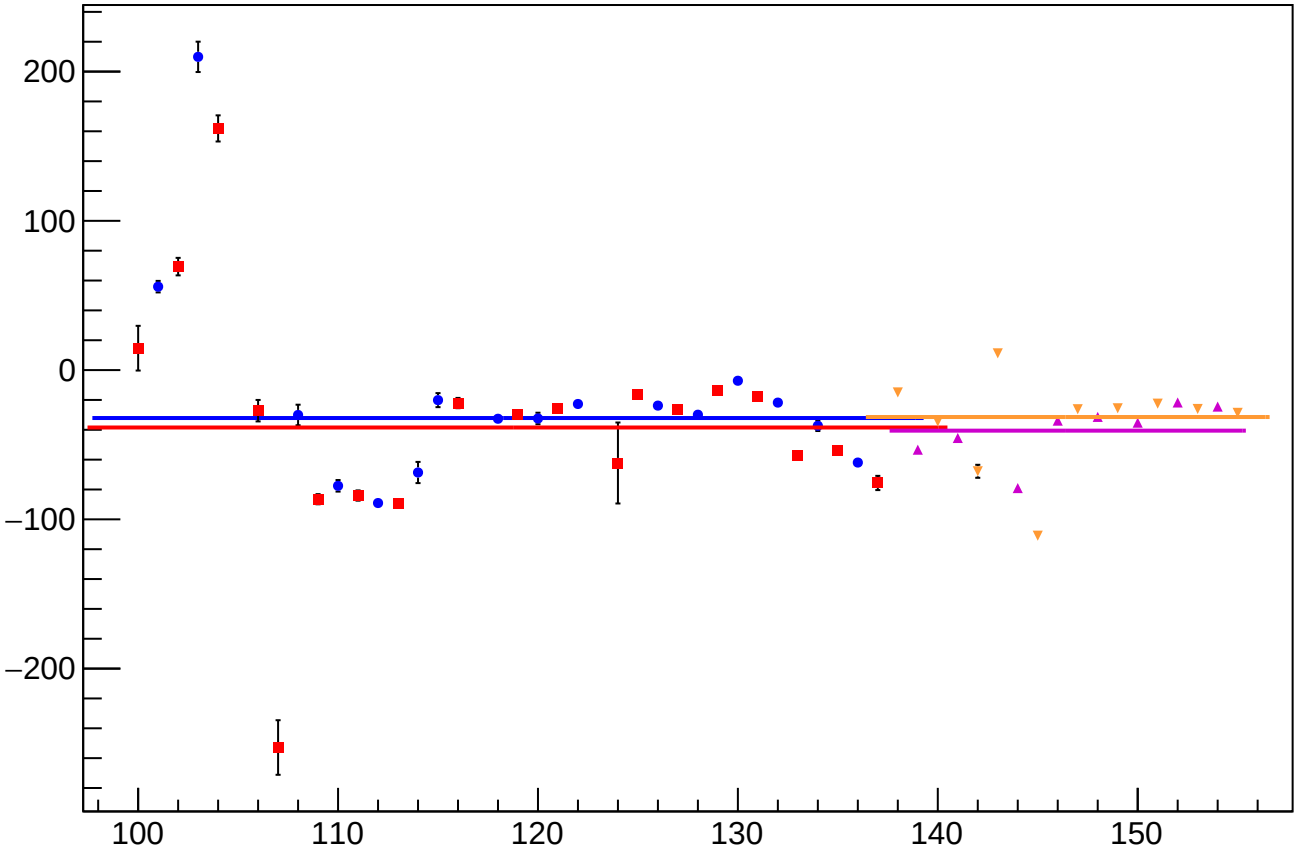
Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.167+/-0.008 χ^2/NDF:952.5/23

Out: 0.194+/-0.008 χ^2/NDF:1423.9/28

All: 0.181+/-0.005 χ^2/NDF: 2382.5/52

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -31.444+/-0.932 χ^2/NDF:918.6/9

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -40.573+/-0.981 χ^2/NDF:283.6/7

Left: -35.771+/-0.676 χ^2/NDF: 1247.7/17

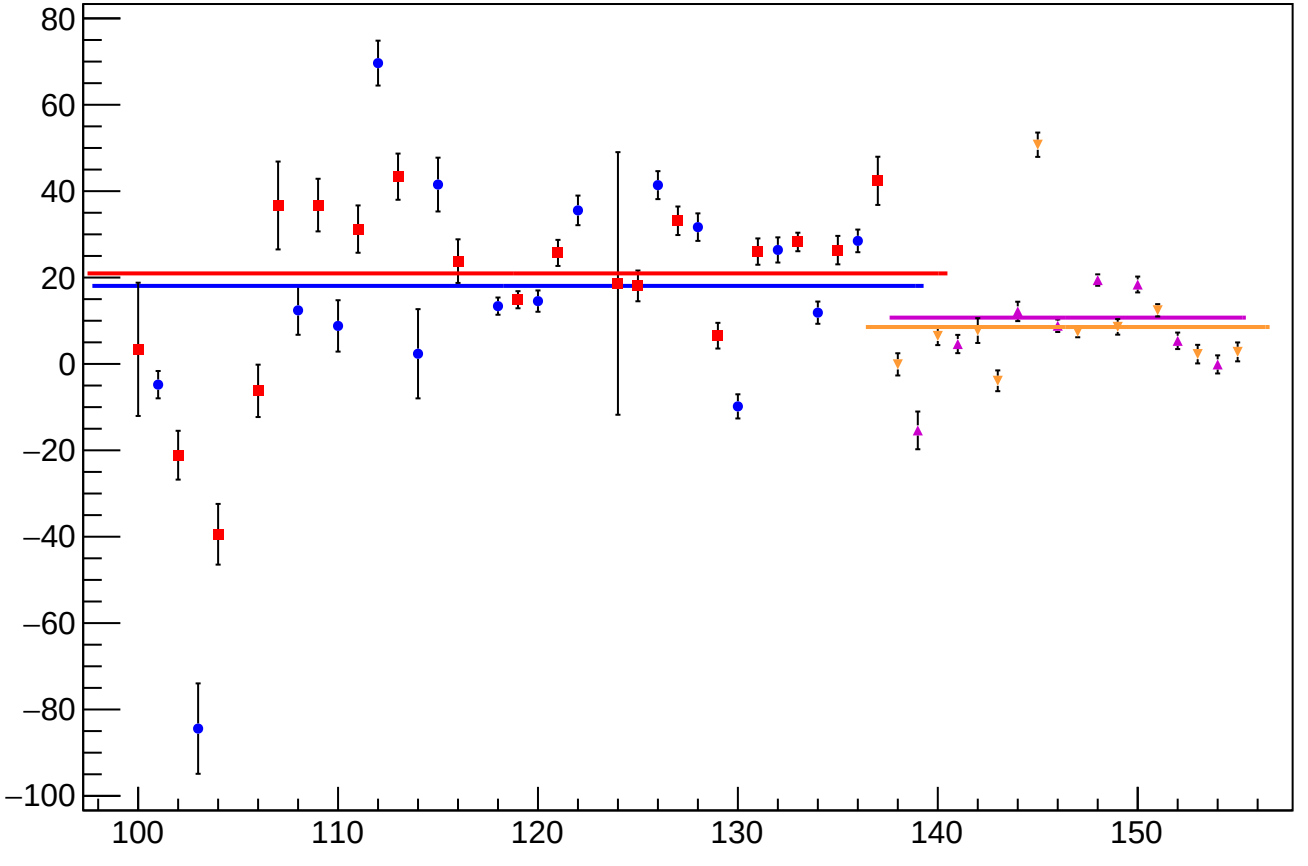
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -35.706+/-0.639 χ^2/NDF:2203.8/23

Out: -35.215+/-0.634 χ^2/NDF:2921.6/28

All: -35.458+/-0.450 χ^2/NDF: 5125.7/52

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 8.547+/-0.618 χ^2/NDF:287.2/9

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 10.723+/-0.657 χ^2/NDF:141.6/7

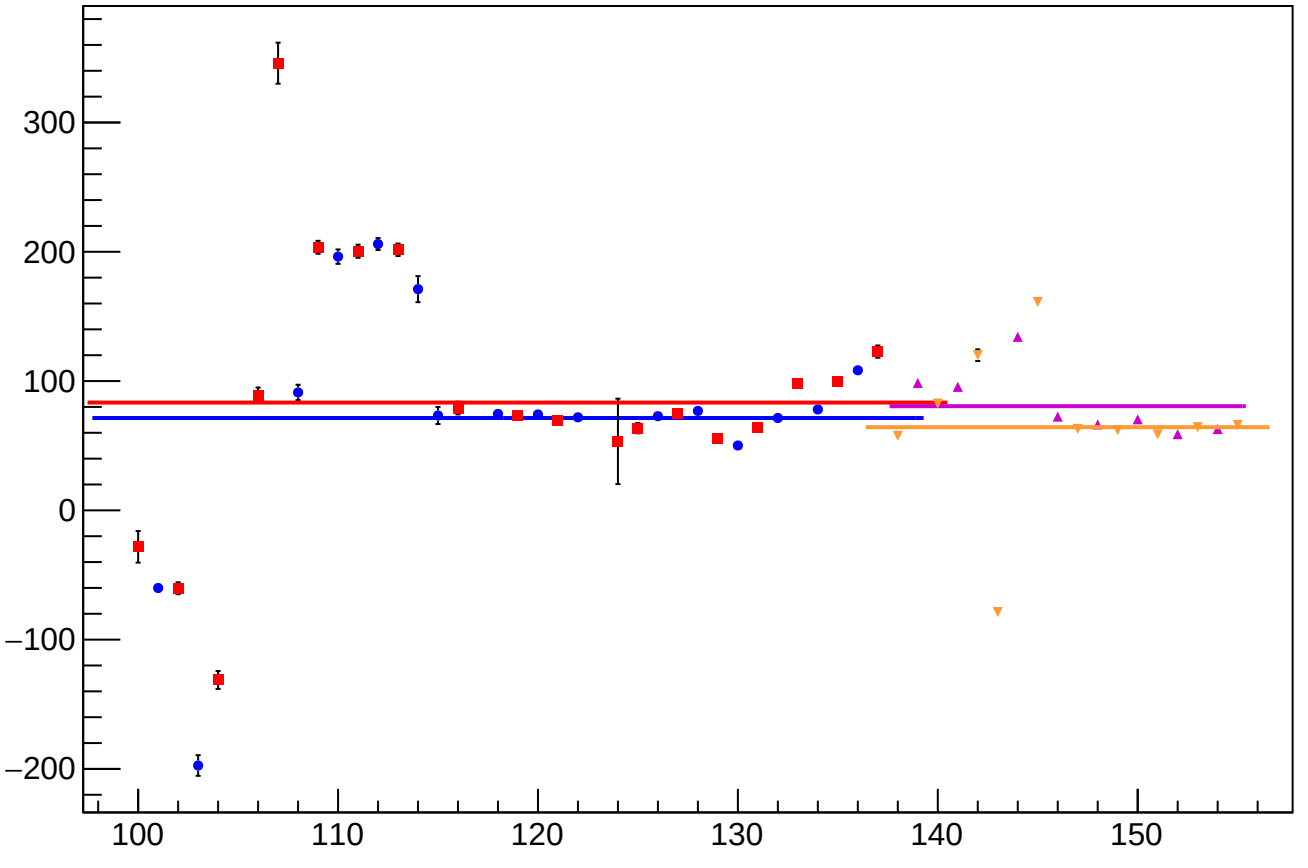
Left: 9.570+/-0.450 χ^2/NDF: 434.6/17

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 13.582+/-0.513 χ^2/NDF:689.9/23

Out: 12.723+/-0.504 χ^2/NDF:685.4/28

All: 13.145+/-0.360 χ^2/NDF: 1376.7/52



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 64.330+/-0.912 χ^2/NDF:2876.4/9

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 80.567+/-0.957 χ^2/NDF:527.6/7

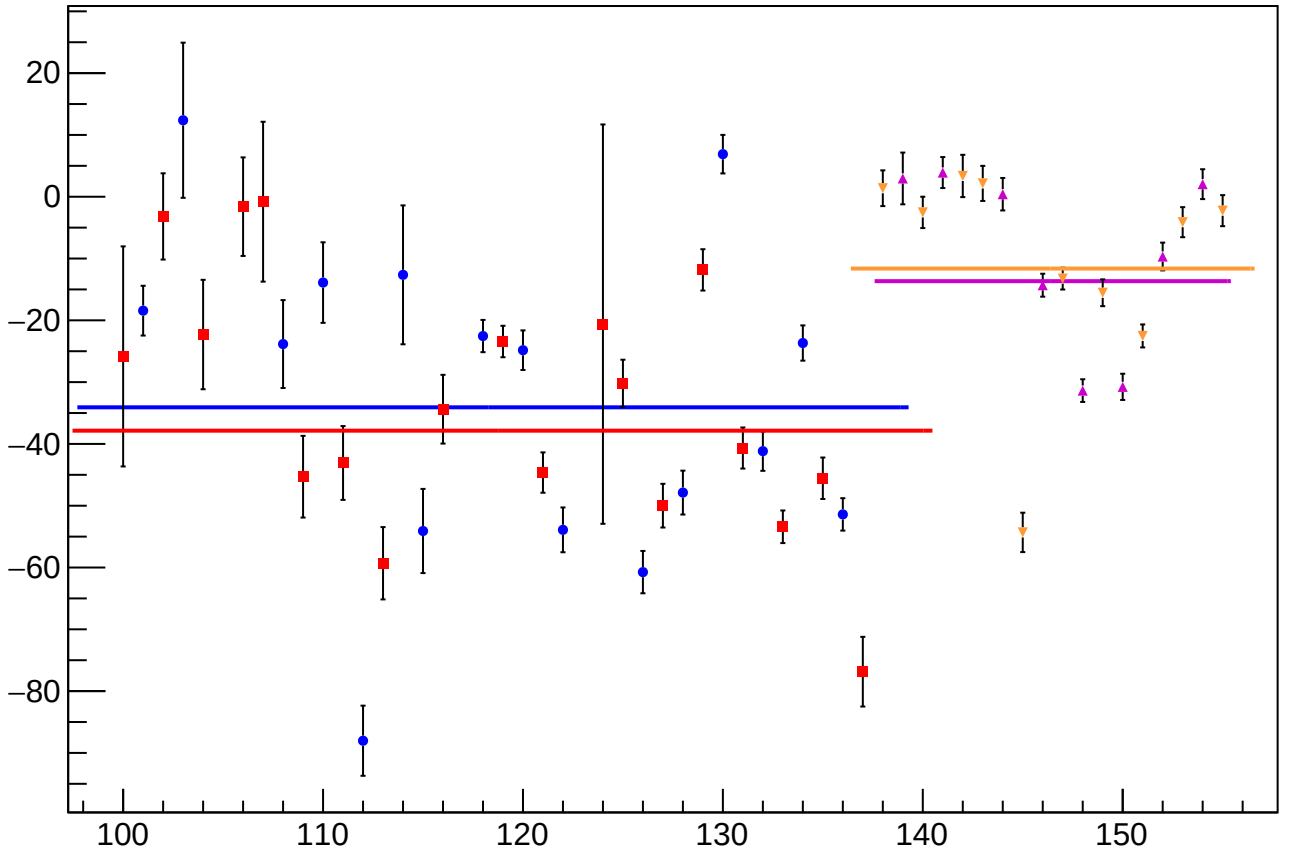
Left: 72.063+/-0.660 χ^2/NDF: 3554.9/17

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 75.870+/-0.667 χ^2/NDF:5394.1/23

Out: 73.126+/-0.669 χ^2/NDF:7375.1/28

All: 74.502+/-0.473 χ^2/NDF: 12777.7/52



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.624+/-0.760 χ^2/NDF:317.1/9

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -13.659+/-0.806 χ^2/NDF:297.1/7

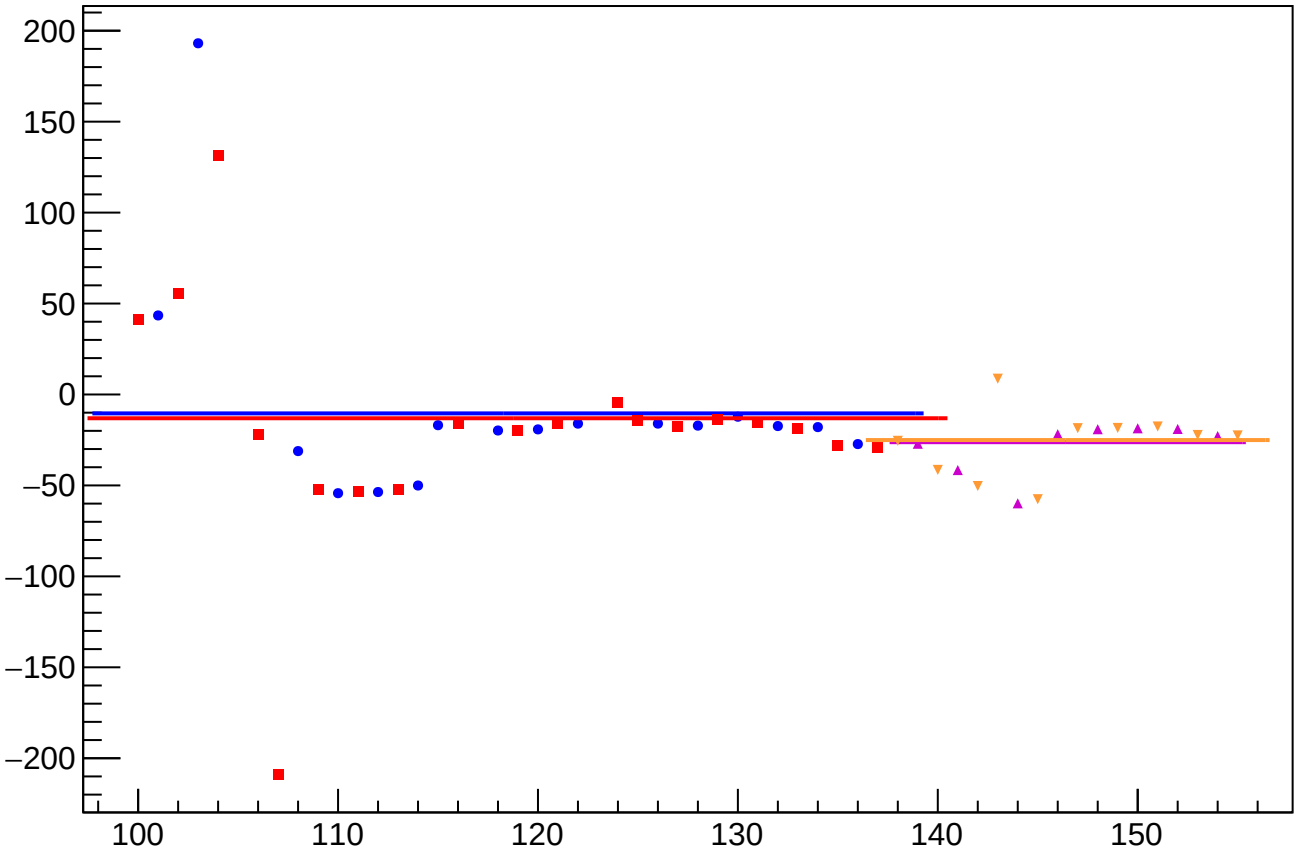
Left: -12.581+/-0.553 χ^2/NDF: 617.6/17

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -22.288+/-0.612 χ^2/NDF:1079.4/23

Out: -21.299+/-0.604 χ^2/NDF:1031.5/28

All: -21.786+/-0.430 χ^2/NDF: 2112.2/52



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -25.064+/-0.036 χ^2/NDF:174295.8/9

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -26.226+/-0.037 χ^2/NDF:92322.8/7

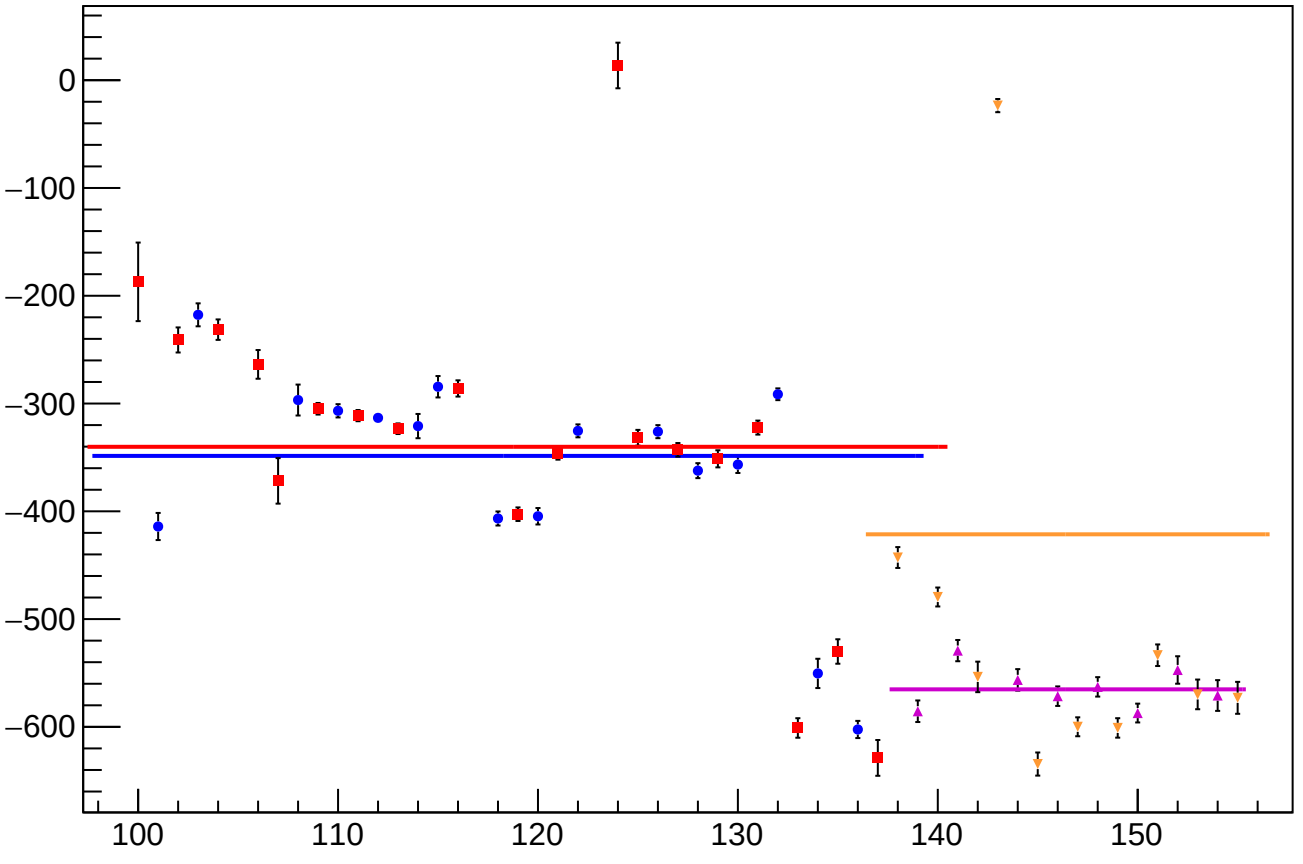
Left: -25.627+/-0.026 χ^2/NDF: 267122.9/17

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -21.492+/-0.031 χ^2/NDF:669027.0/23

Out: -22.085+/-0.031 χ^2/NDF:651460.2/28

All: -21.787+/-0.022 χ^2/NDF: 1320668.4/52



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -421.337+/-3.028 χ^2/NDF:5910.8/9

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -565.184+/-3.558 χ^2/NDF:27.2/7

Left: -481.765+/-2.306 χ^2/NDF: 6886.1/17

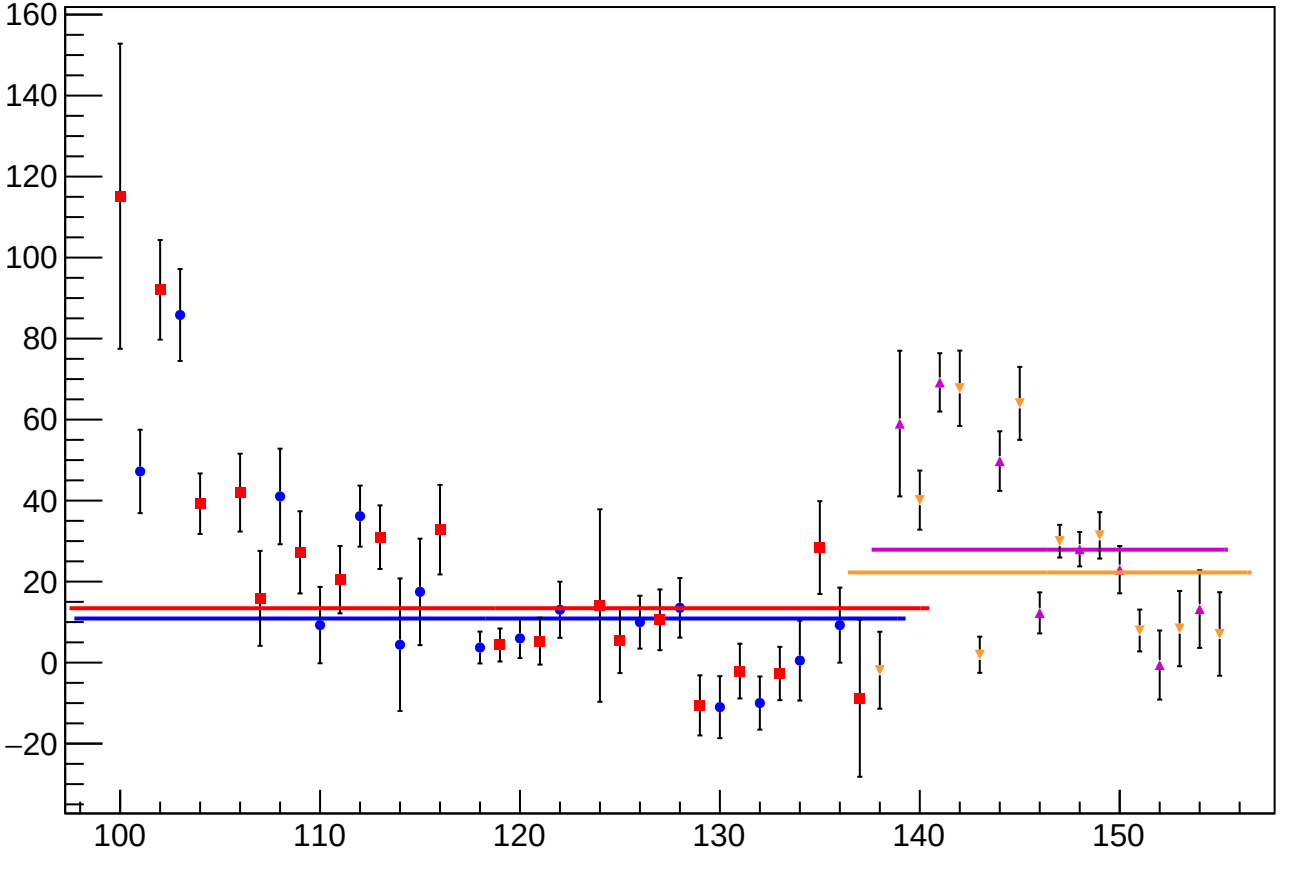
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -393.693+/-1.624 χ^2/NDF:4820.0/23

Out: -360.636+/-1.521 χ^2/NDF:8645.5/28

All: -376.090+/-1.110 χ^2/NDF: 13686.2/52

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 22.261+/-1.983 χ^2/NDF:96.8/9

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 27.883+/-2.299 χ^2/NDF:68.4/7

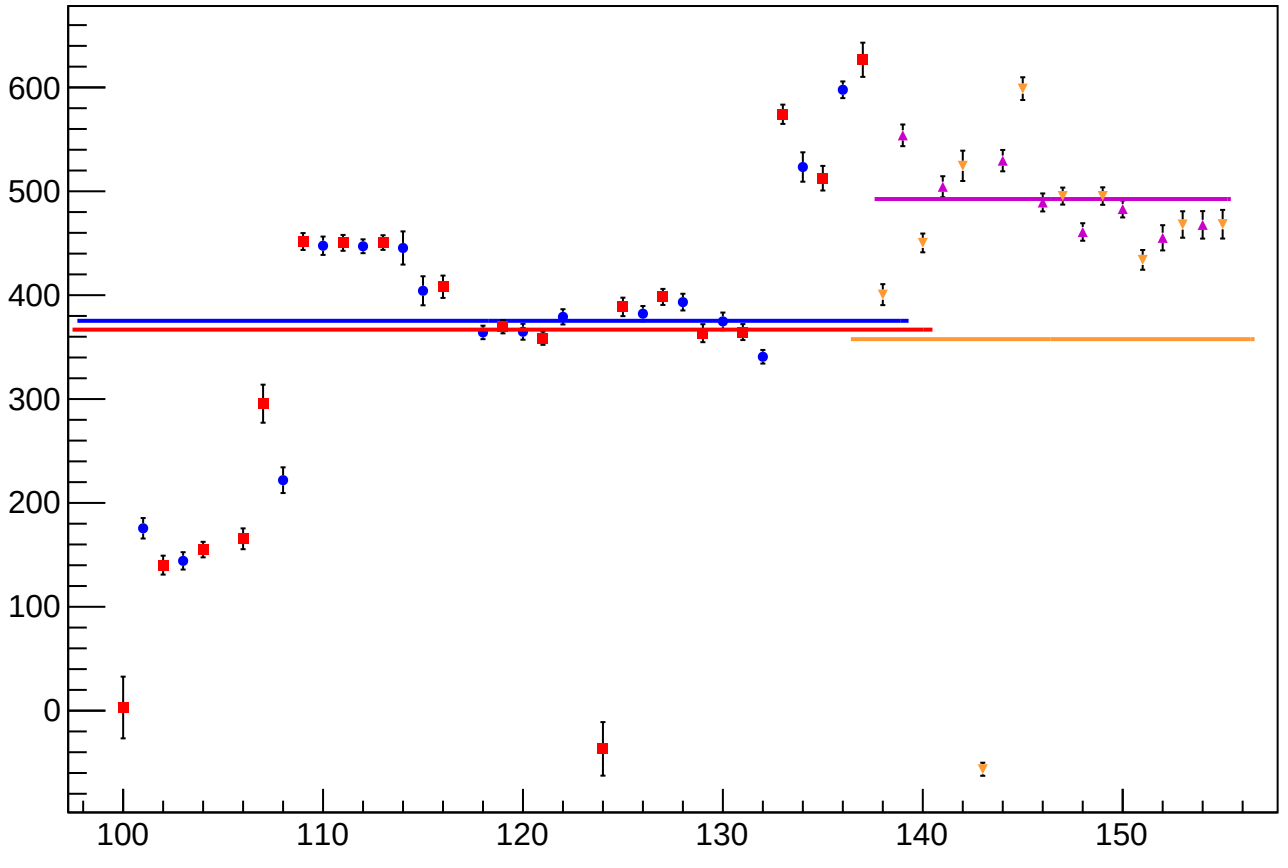
Left: 24.659+/-1.502 χ^2/NDF: 168.7/17

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 17.536+/-1.438 χ^2/NDF:200.0/23

Out: 17.548+/-1.354 χ^2/NDF:219.8/28

All: 17.543+/-0.986 χ^2/NDF: 419.8/52



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 357.661+/-2.991 χ^2/NDF:5816.1/9

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 492.557+/-3.464 χ^2/NDF:77.5/7

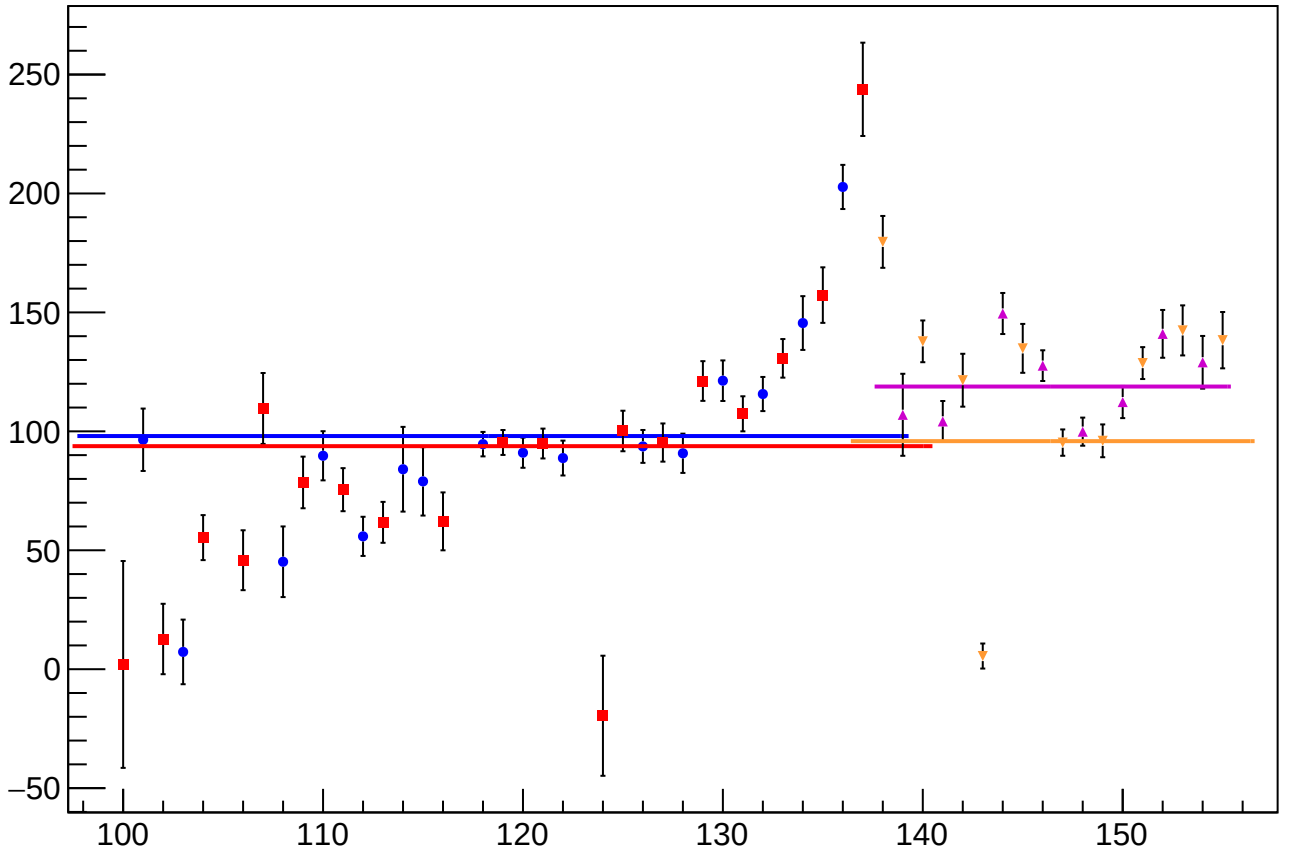
Left: 415.279+/-2.264 χ^2/NDF: 6762.3/17

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 406.886+/-1.798 χ^2/NDF:3363.9/23

Out: 363.900+/-1.691 χ^2/NDF:9363.6/28

All: 384.078+/-1.232 χ^2/NDF: 13030.9/52



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 95.878+/-2.446 χ^2/NDF:452.6/9

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 118.832+/-2.852 χ^2/NDF:34.8/7

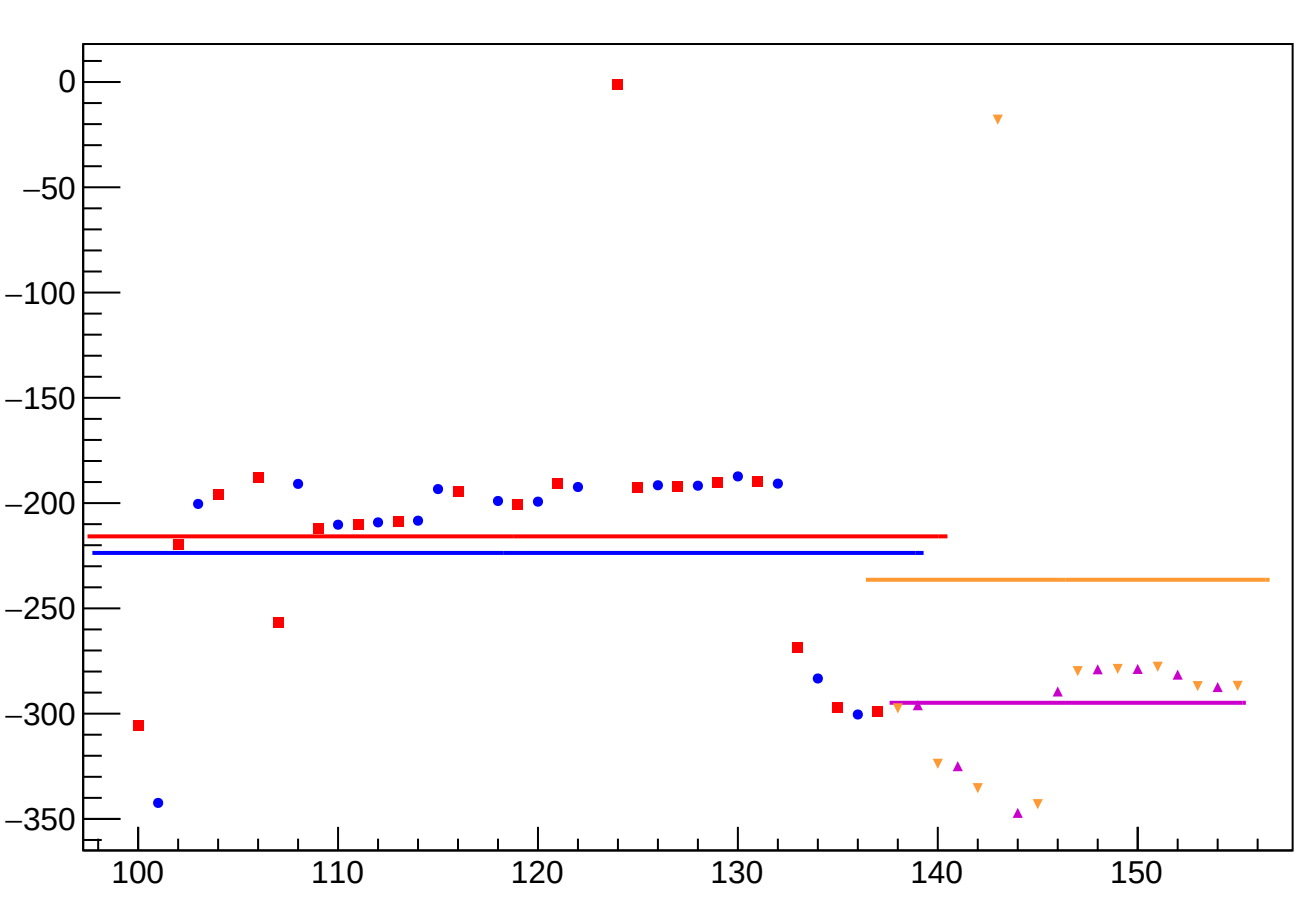
Left: 105.609+/-1.857 χ^2/NDF: 524.8/17

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 105.538+/-1.714 χ^2/NDF:318.3/23

Out: 94.684+/-1.610 χ^2/NDF:690.2/28

All: 99.772+/-1.173 χ^2/NDF: 1029.8/52



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -236.407+/-0.122 χ^2/NDF:921866.6/9

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -294.841+/-0.138 χ^2/NDF:24120.0/7

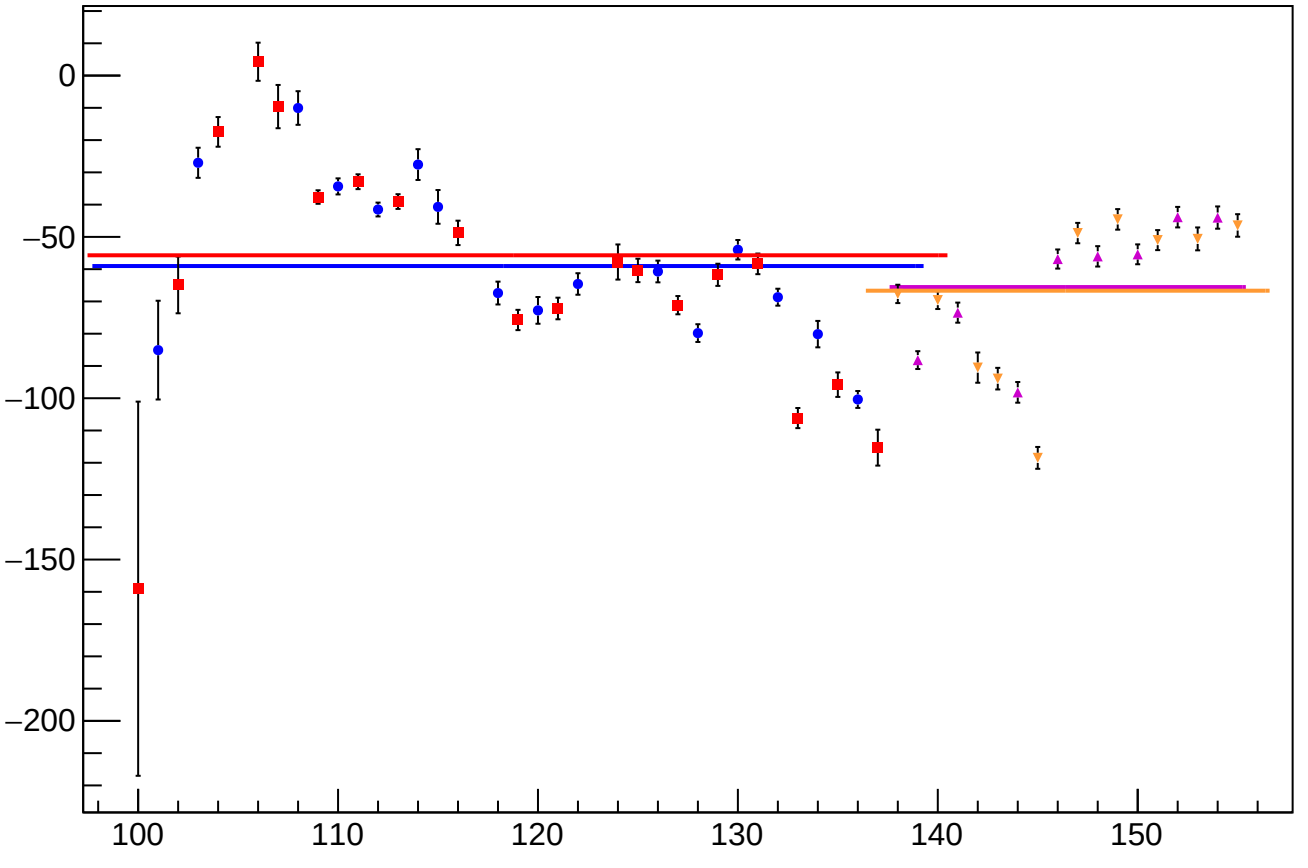
Left: -262.112+/-0.091 χ^2/NDF: 1047108.2/17

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -259.450+/-0.098 χ^2/NDF:278834.3/23

Out: -227.099+/-0.090 χ^2/NDF:1016298.6/28

All: -242.026+/-0.066 χ^2/NDF: 1354415.5/52



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -66.673+/-1.031 χ^2/NDF:486.9/9

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -65.546+/-1.095 χ^2/NDF:291.2/7

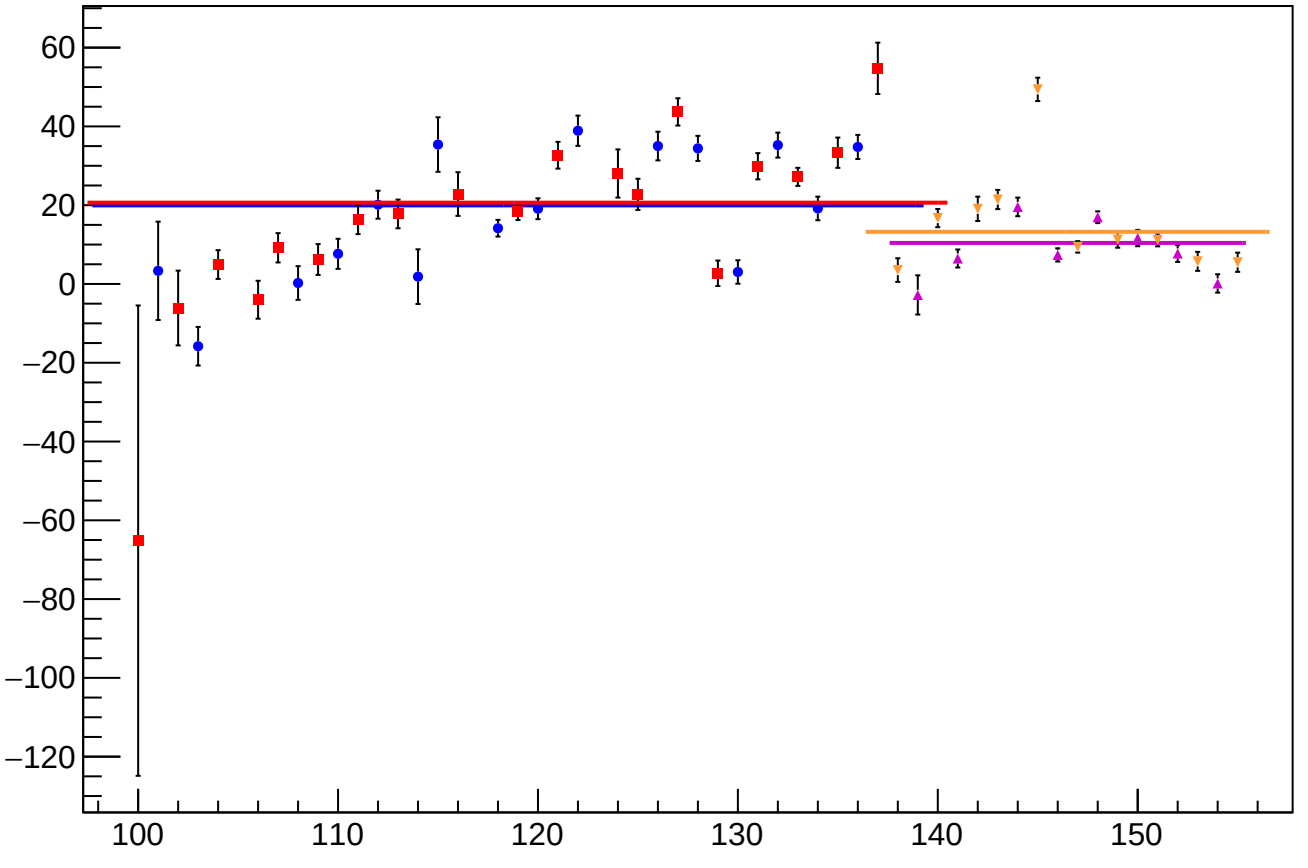
Left: -66.143+/-0.751 χ^2/NDF: 778.6/17

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -61.405+/-0.661 χ^2/NDF:1041.0/23

Out: -59.759+/-0.627 χ^2/NDF:1599.4/28

All: -60.538+/-0.455 χ^2/NDF: 2643.6/52



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 13.242+/-0.687 χ^2/NDF:205.7/9

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 10.422+/-0.736 χ^2/NDF:68.7/7

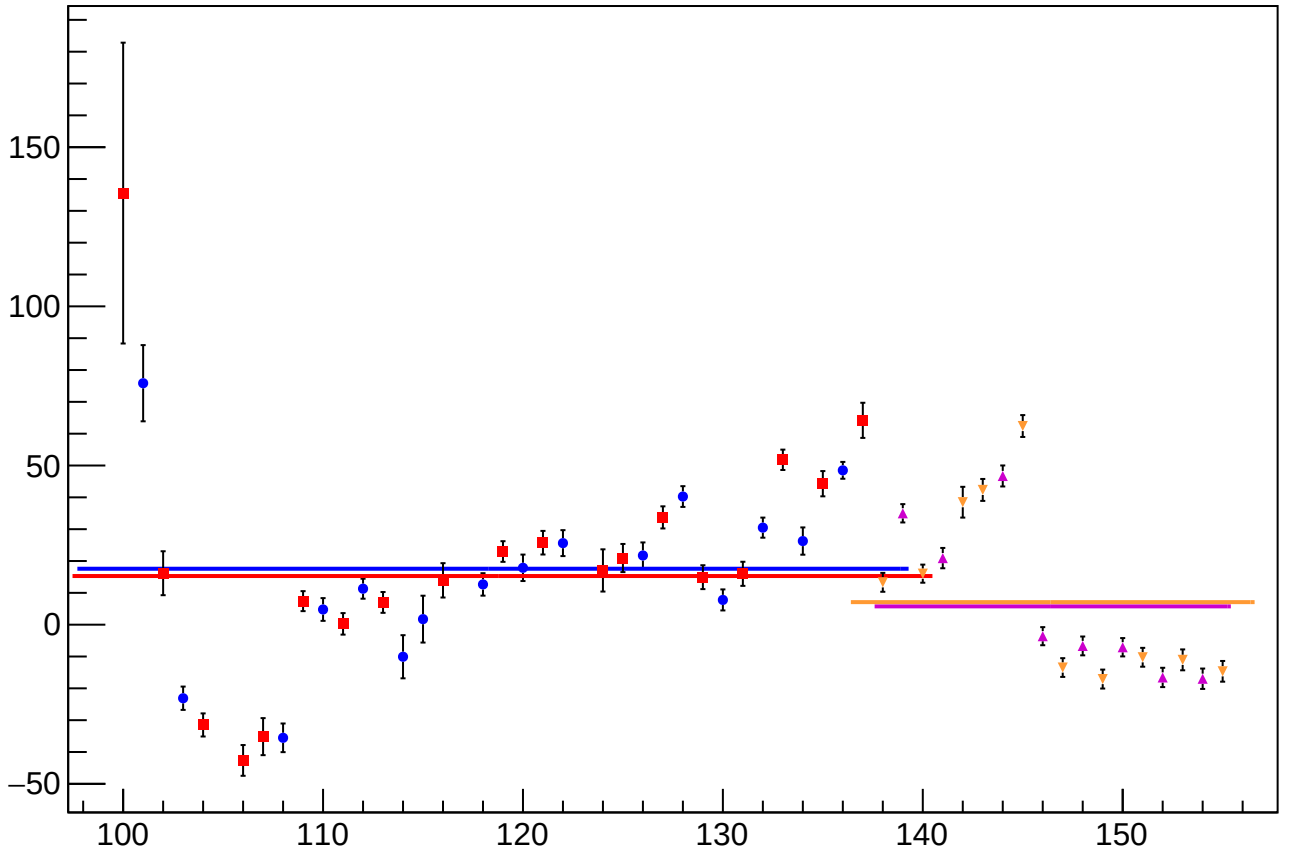
Left: 11.928+/-0.502 χ^2/NDF: 282.2/17

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 14.405+/-0.561 χ^2/NDF:386.0/23

Out: 16.191+/-0.533 χ^2/NDF:476.7/28

All: 15.344+/-0.386 χ^2/NDF: 868.1/52



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 7.084+/-1.011 χ^2/NDF:644.7/9

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: 5.752+/-1.069 χ^2/NDF:433.0/7

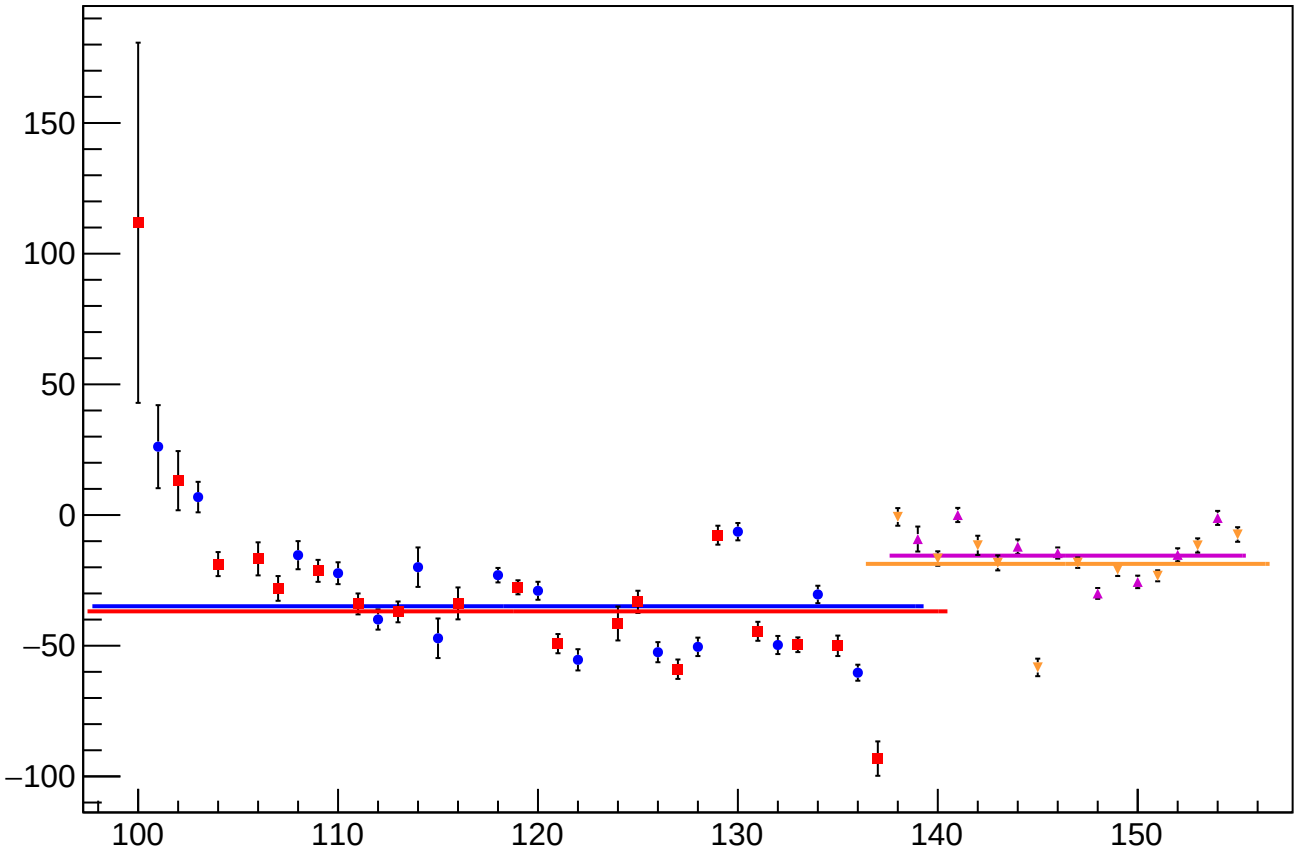
Left: 6.455+/-0.734 χ^2/NDF: 1078.5/17

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 12.315+/-0.713 χ^2/NDF:1047.1/23

Out: 11.507+/-0.686 χ^2/NDF:1410.2/28

All: 11.895+/-0.494 χ^2/NDF: 2458.0/52



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -18.686+/-0.842 χ^2/NDF:200.5/9

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -15.538+/-0.901 χ^2/NDF:131.3/7

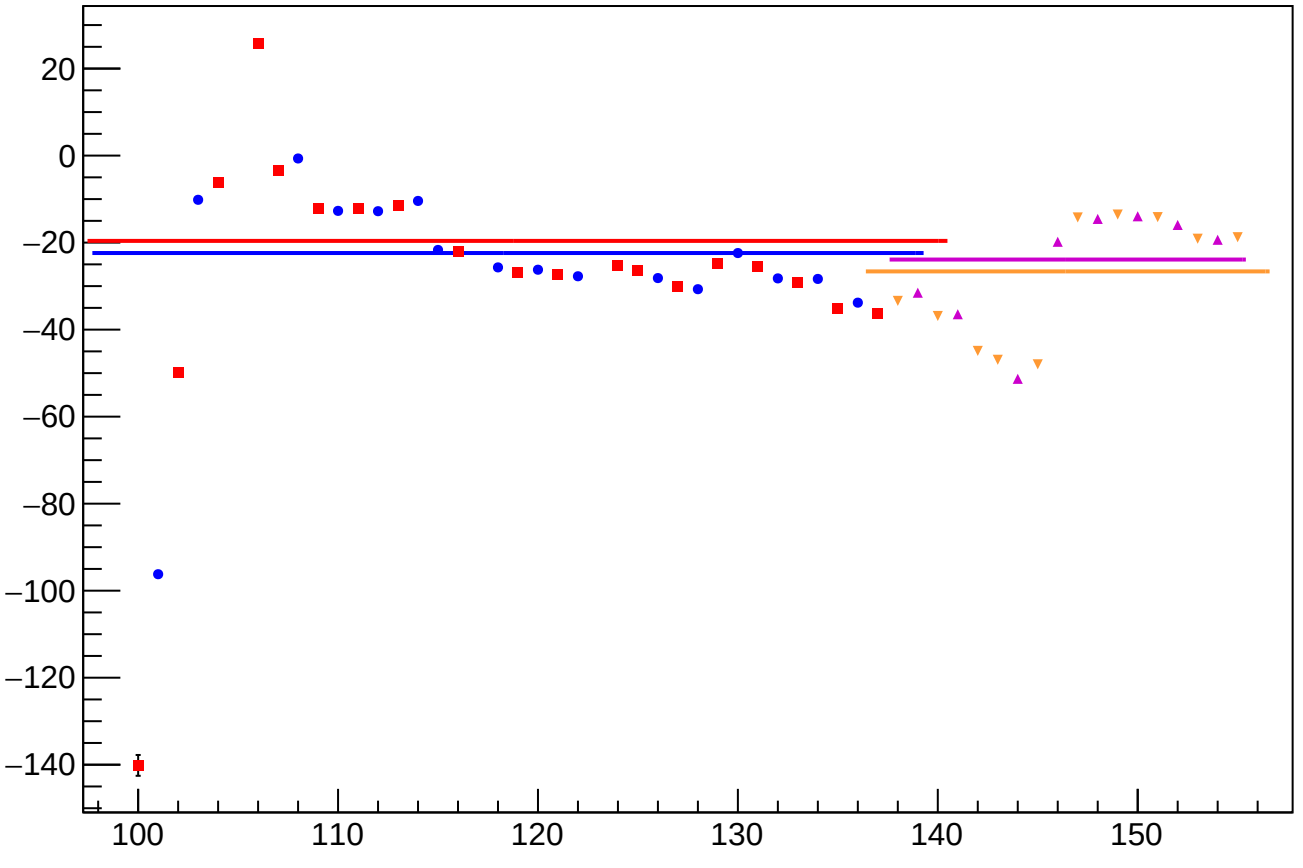
Left: -17.218+/-0.615 χ^2/NDF: 338.4/17

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -24.307+/-0.666 χ^2/NDF:687.1/23

Out: -26.501+/-0.636 χ^2/NDF:702.1/28

All: -25.456+/-0.460 χ^2/NDF: 1394.8/52



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -26.619+/-0.040 χ^2/NDF:104969.4/9

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -23.894+/-0.042 χ^2/NDF:70907.7/7

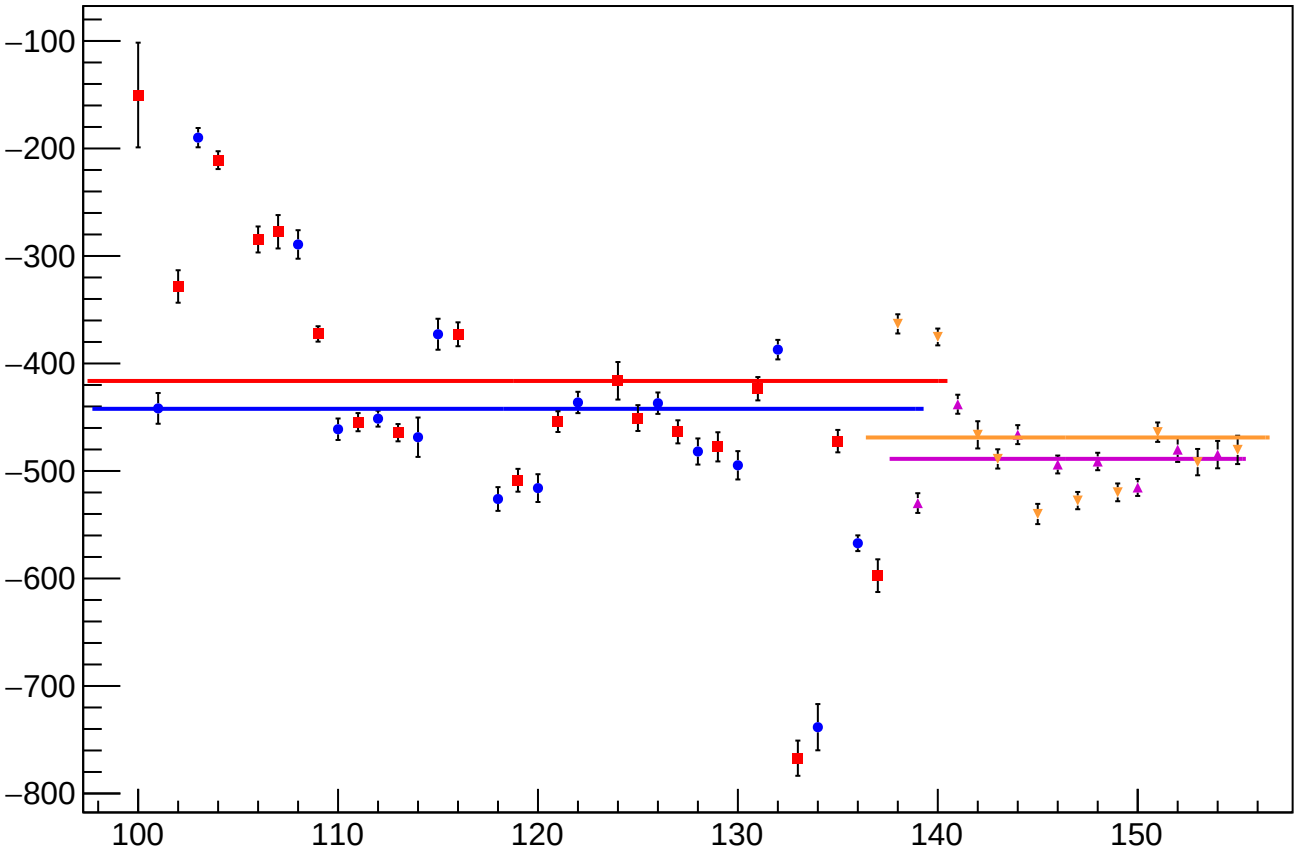
Left: -25.310+/-0.029 χ^2/NDF: 178115.4/17

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -23.389+/-0.034 χ^2/NDF:117866.5/23

Out: -24.438+/-0.033 χ^2/NDF:198426.8/28

All: -23.924+/-0.024 χ^2/NDF: 316784.7/52



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -468.839+/-2.967 χ^2/NDF:441.2/9

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -488.727+/-3.212 χ^2/NDF:72.0/7

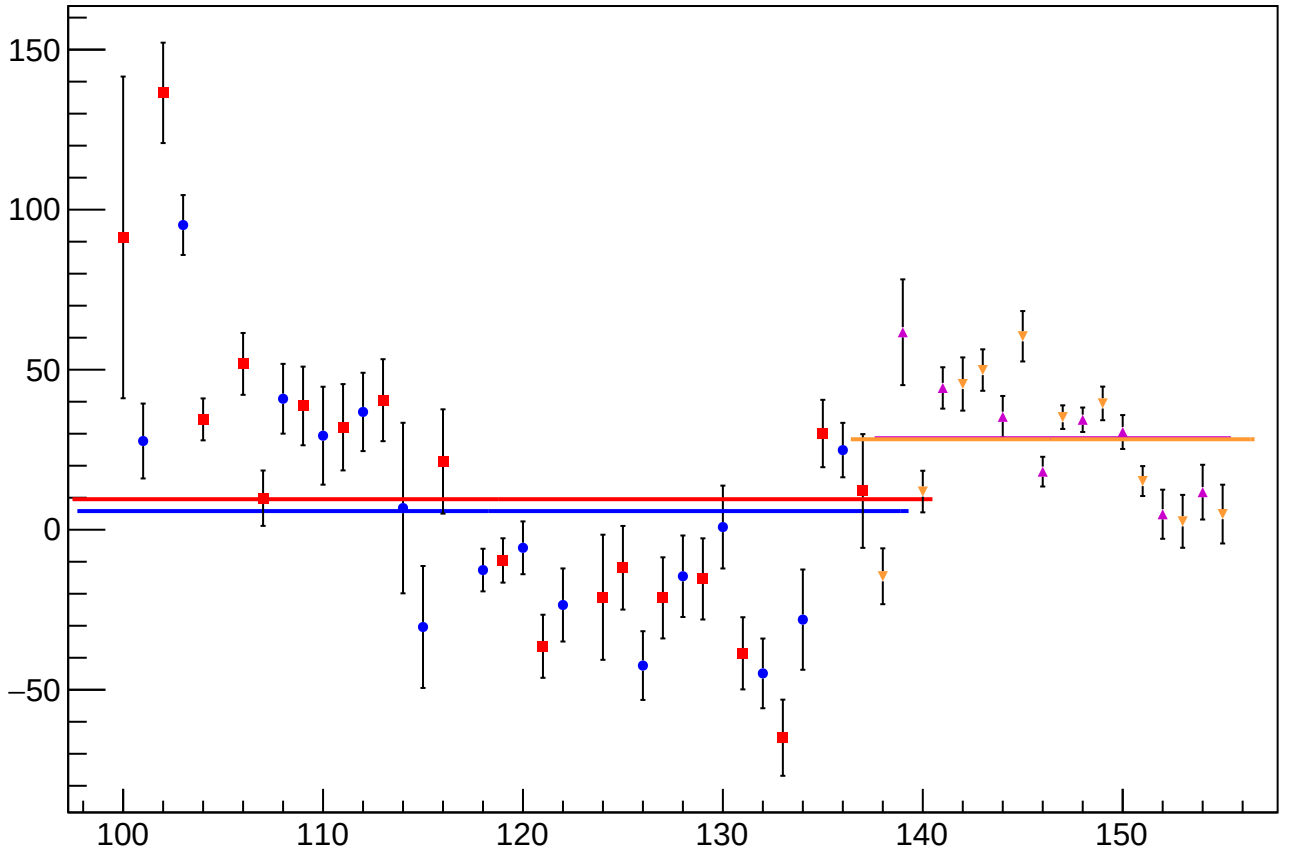
Left: -477.994+/-2.179 χ^2/NDF: 533.9/17

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -461.300+/-2.059 χ^2/NDF:1784.9/23

Out: -438.323+/-1.922 χ^2/NDF:2377.4/28

All: -449.023+/-1.405 χ^2/NDF: 4228.8/52



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 28.264+/-1.913 χ^2/NDF:94.5/9

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 28.596+/-2.073 χ^2/NDF:31.9/7

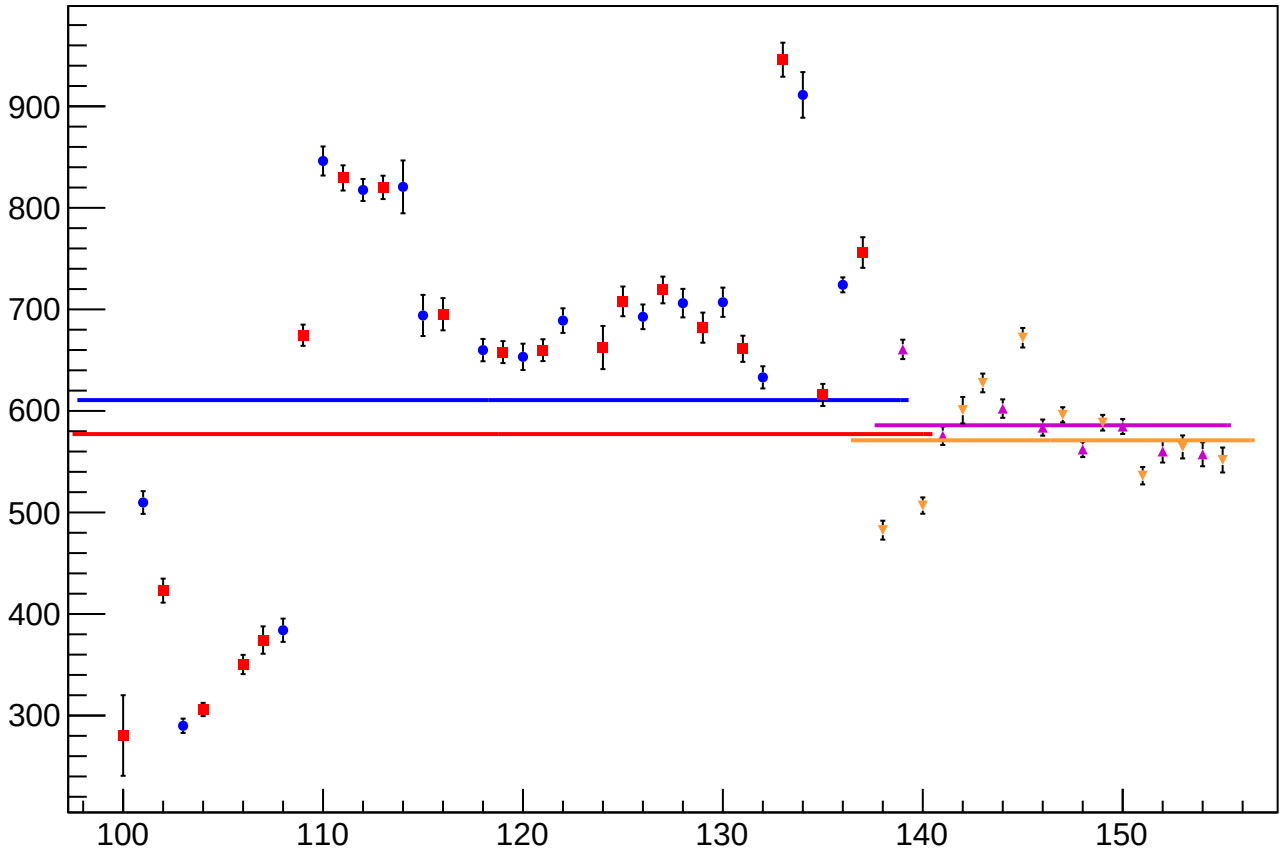
Left: 28.417+/-1.406 χ^2/NDF: 126.4/17

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 20.259+/-1.651 χ^2/NDF:264.2/23

Out: 21.541+/-1.532 χ^2/NDF:351.1/28

All: 20.948+/-1.123 χ^2/NDF: 615.6/52



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 571.069+/-2.912 χ^2/NDF:342.3/9

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 585.859+/-3.128 χ^2/NDF:87.0/7

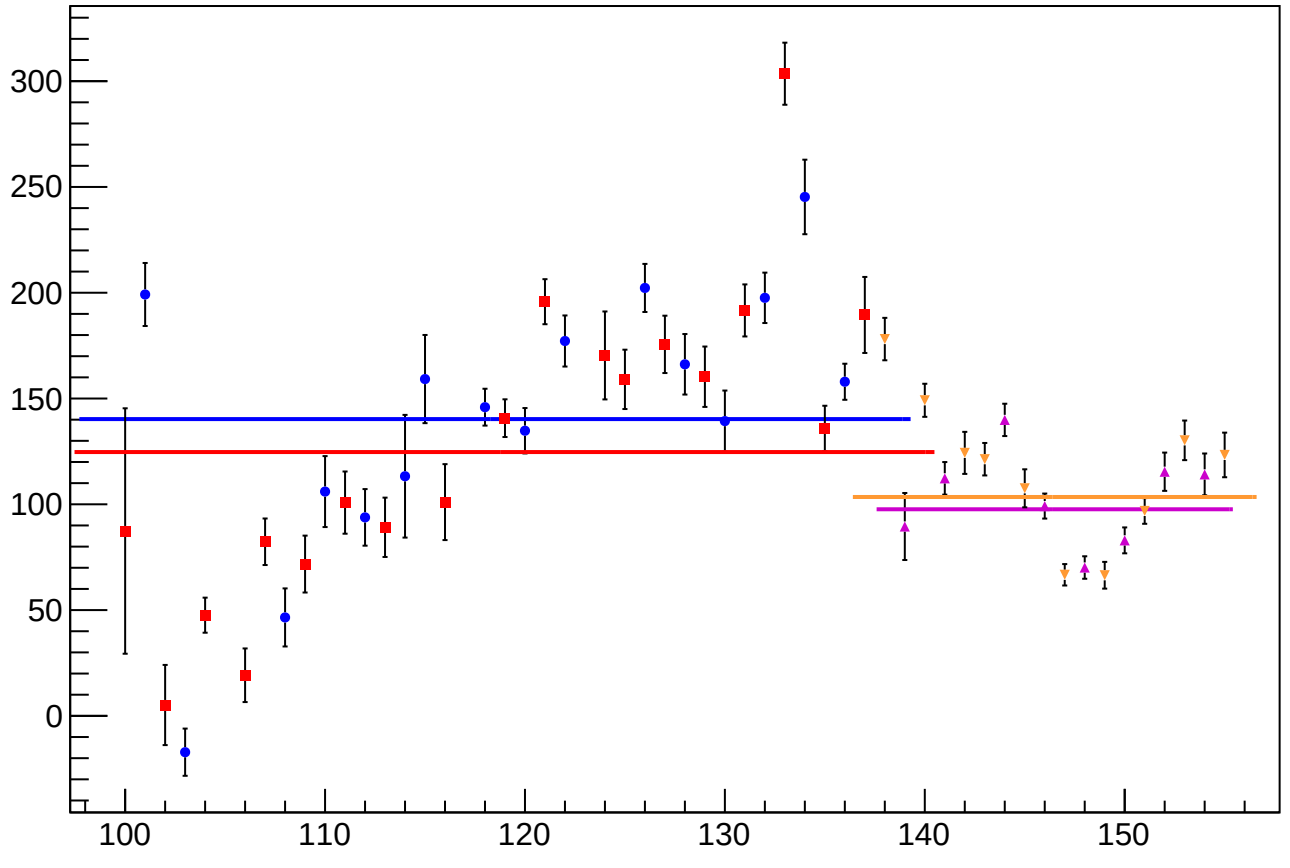
Left: 577.935+/-2.131 χ^2/NDF: 441.3/17

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 599.230+/-2.123 χ^2/NDF:4013.4/23

Out: 574.306+/-2.001 χ^2/NDF:5145.0/28

All: 586.030+/-1.456 χ^2/NDF: 9231.4/52



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 103.456+/-2.374 χ^2/NDF:199.6/9

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 97.649+/-2.572 χ^2/NDF:73.8/7

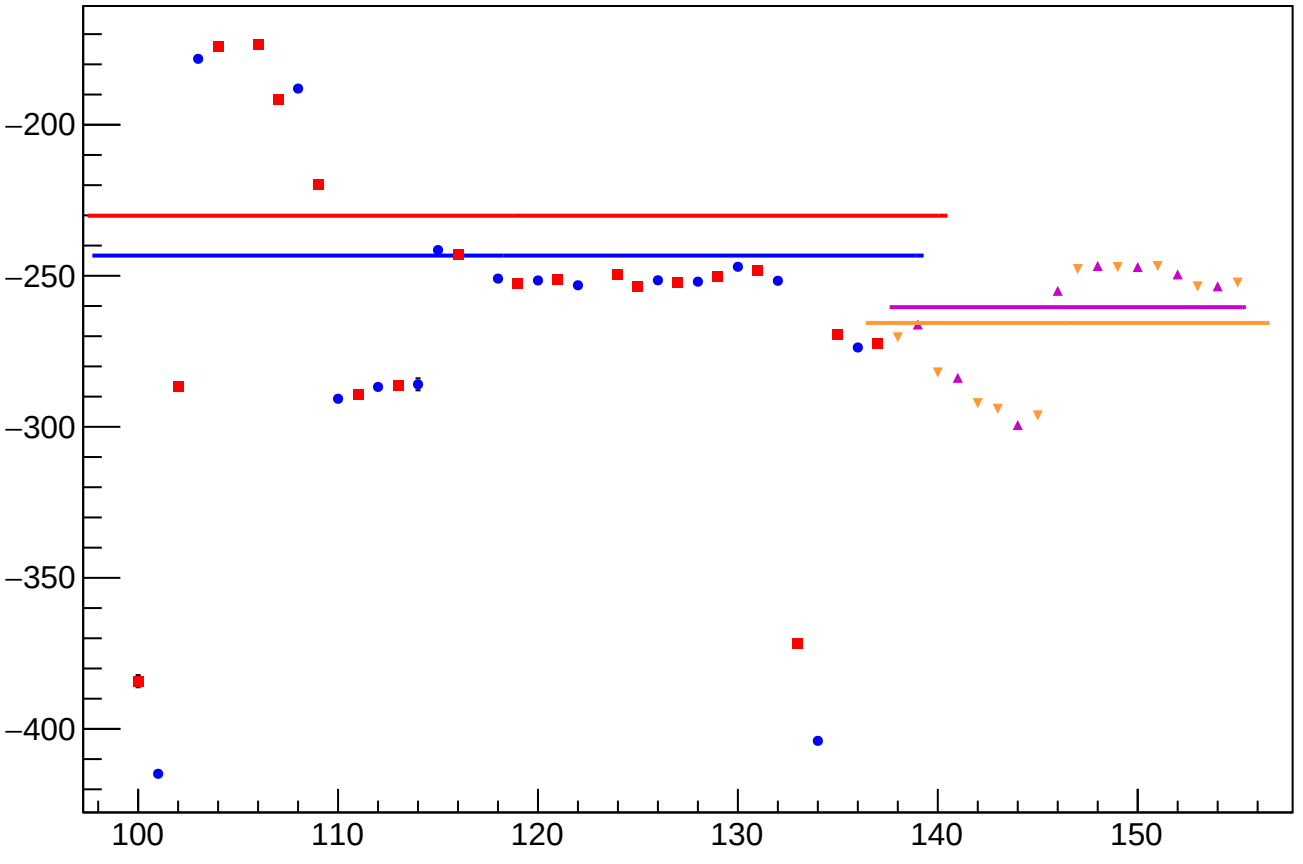
Left: 100.785+/-1.744 χ^2/NDF: 276.1/17

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 114.693+/-1.993 χ^2/NDF:569.0/23

Out: 111.708+/-1.856 χ^2/NDF:739.2/28

All: 113.095+/-1.358 χ^2/NDF: 1309.4/52



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -265.605+/-0.118 χ^2/NDF:27766.9/9

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -260.386+/-0.124 χ^2/NDF:18663.6/7

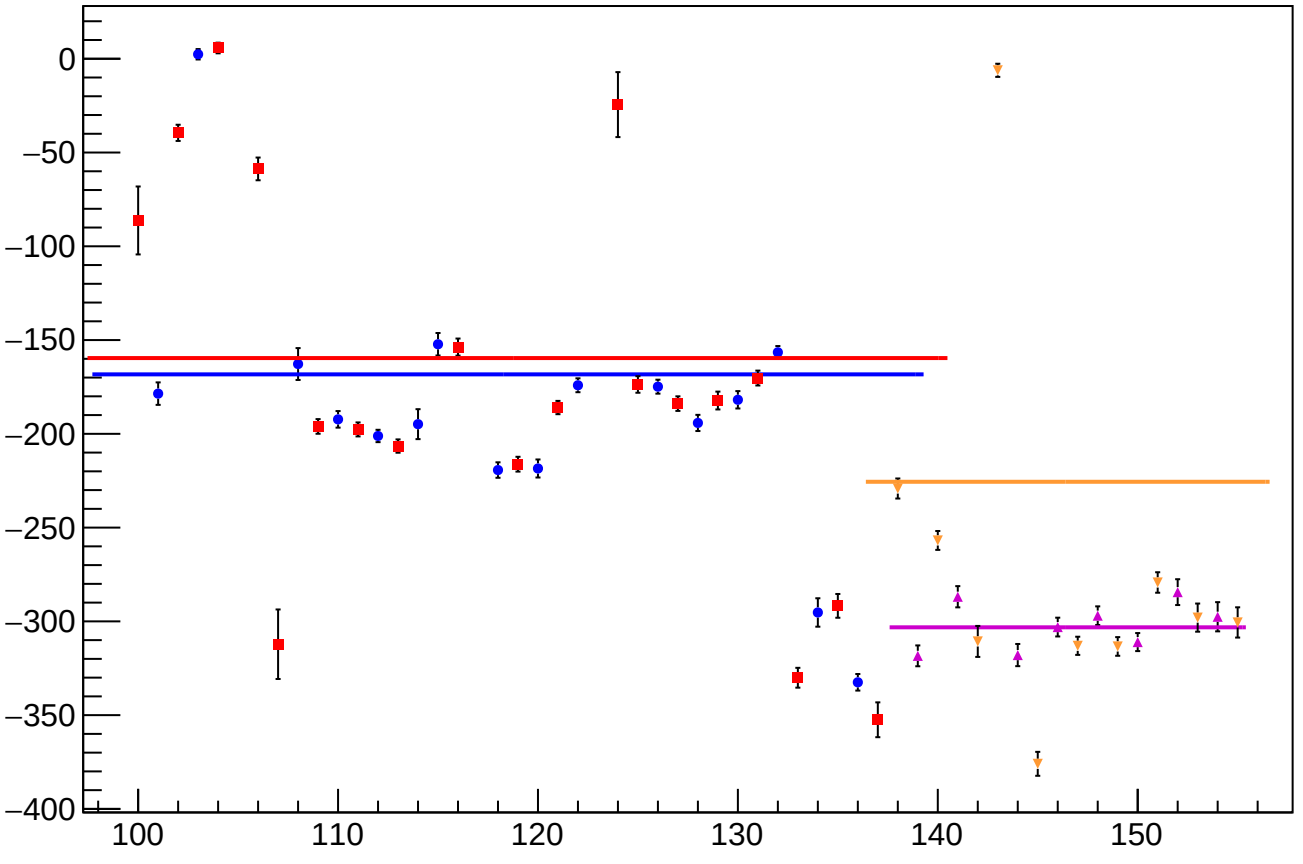
Left: -263.123+/-0.086 χ^2/NDF: 47356.9/17

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -254.090+/-0.099 χ^2/NDF:199123.3/23

Out: -252.795+/-0.095 χ^2/NDF:162735.2/28

All: -253.415+/-0.068 χ^2/NDF: 361948.2/52



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -225.566+/-1.704 χ^2/NDF:5522.5/9

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -303.171+/-1.986 χ^2/NDF:34.2/7

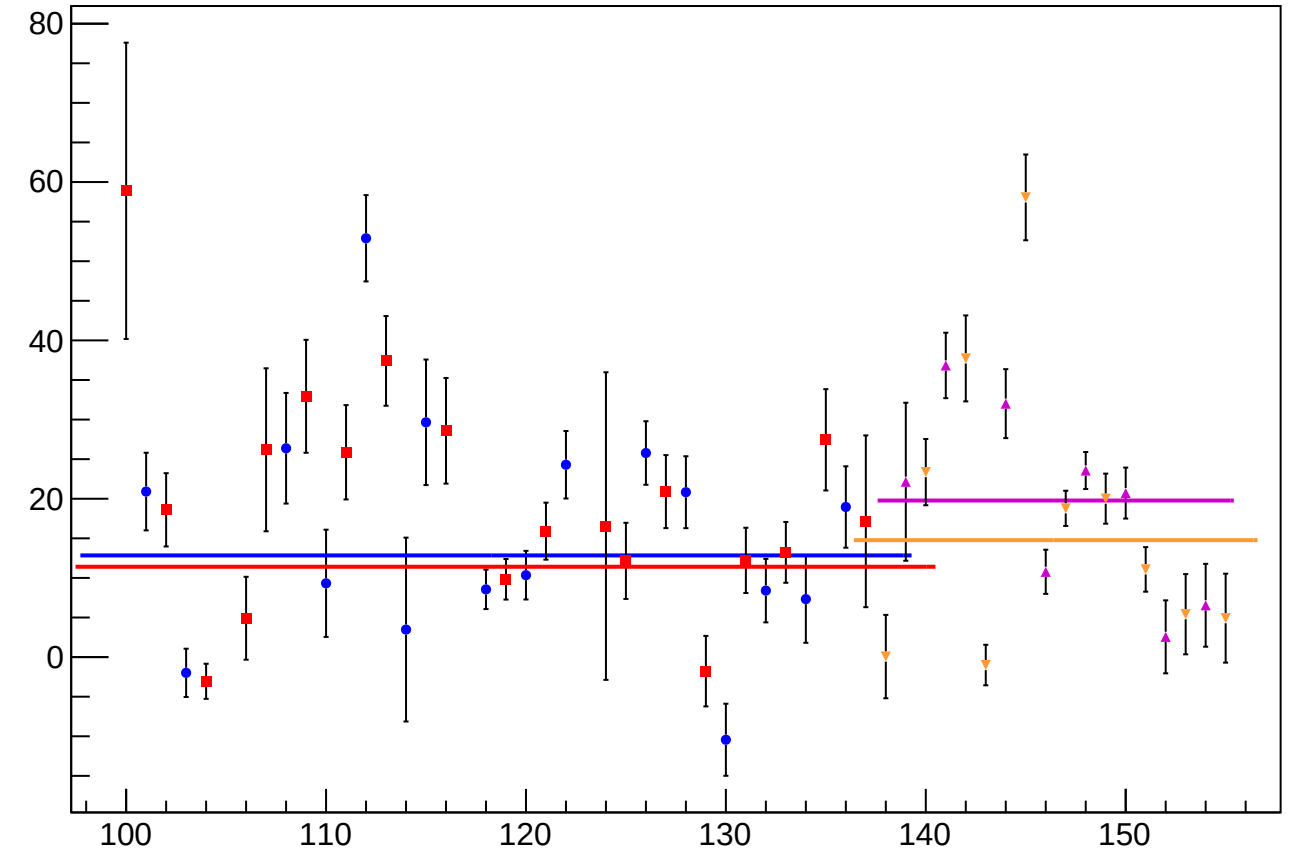
Left: -258.468+/-1.293 χ^2/NDF: 6436.4/17

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -198.890+/-0.946 χ^2/NDF:9508.2/23

Out: -177.567+/-0.889 χ^2/NDF:13811.2/28

All: -187.569+/-0.648 χ^2/NDF: 23589.1/52



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 14.768+/-1.109 χ^2/NDF:146.0/9

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 19.776+/-1.277 χ^2/NDF:58.5/7

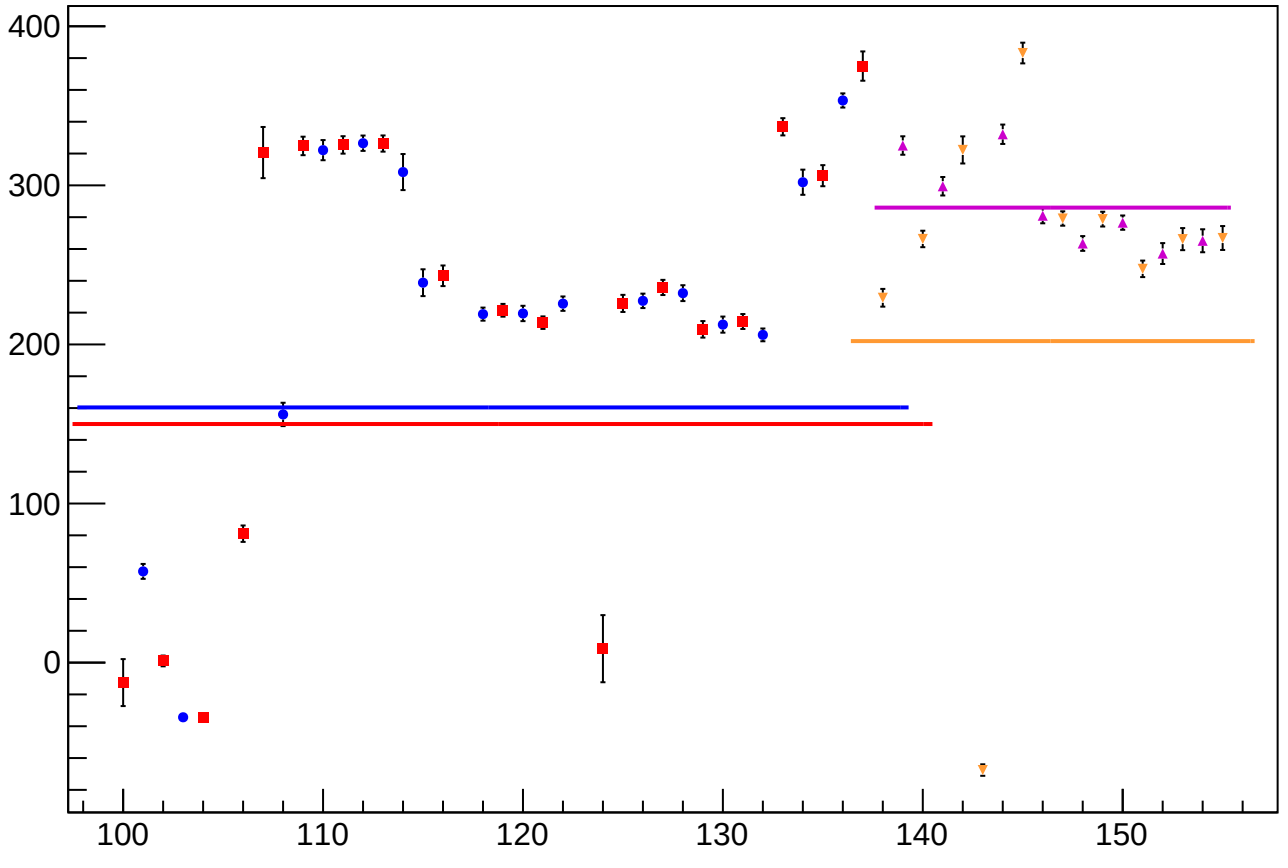
Left: 16.921+/-0.837 χ^2/NDF: 213.2/17

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 15.722+/-0.823 χ^2/NDF:219.4/23

Out: 12.976+/-0.757 χ^2/NDF:270.4/28

All: 14.234+/-0.557 χ^2/NDF: 495.8/52



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 202.106+/-1.679 χ^2/NDF:7530.0/9

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 286.006+/-1.930 χ^2/NDF:164.8/7

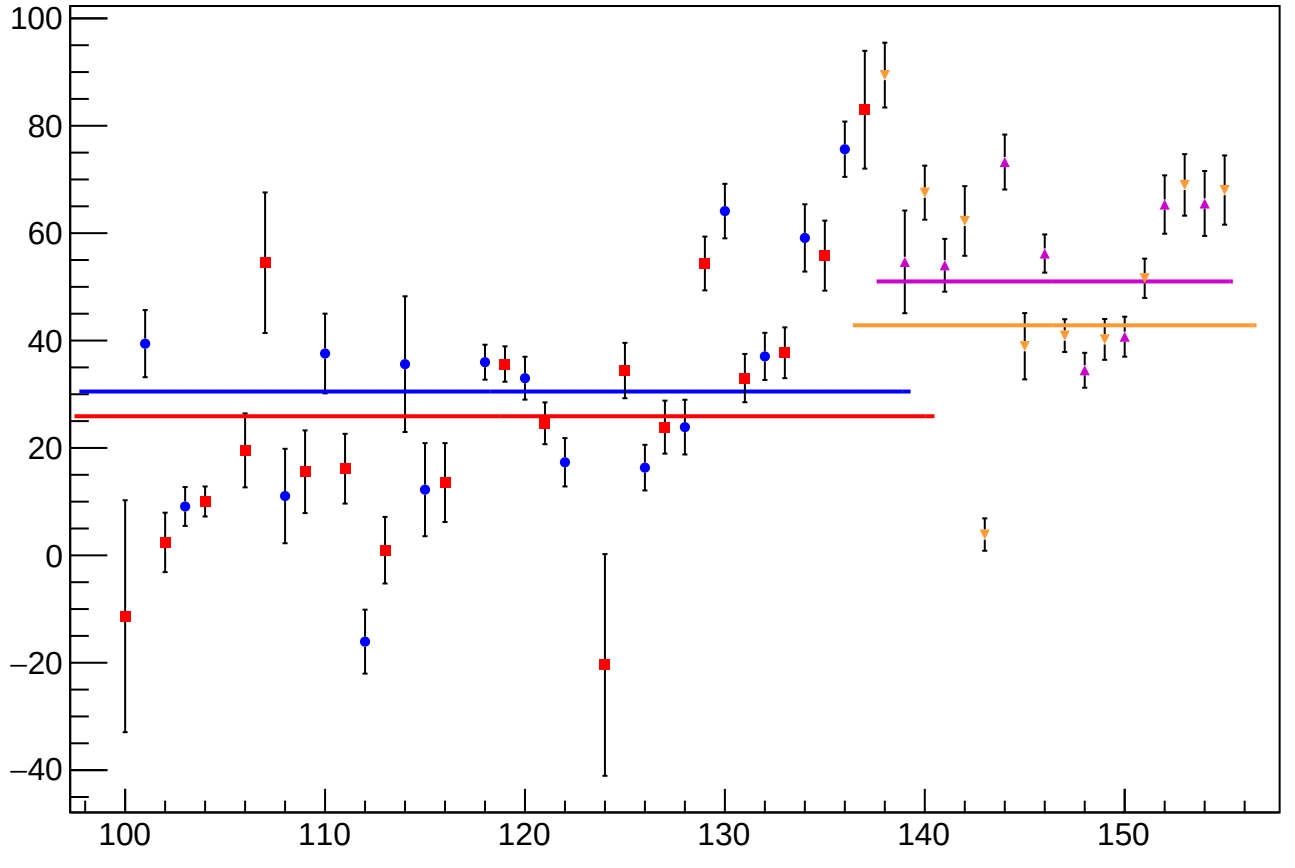
Left: 238.255+/-1.267 χ^2/NDF: 8770.0/17

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 192.844+/-0.981 χ^2/NDF:17255.0/23

Out: 165.758+/-0.924 χ^2/NDF:24466.9/28

All: 178.494+/-0.673 χ^2/NDF: 42125.8/52



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 42.842+/-1.370 χ^2/NDF:302.5/9

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 51.011+/-1.586 χ^2/NDF:67.8/7

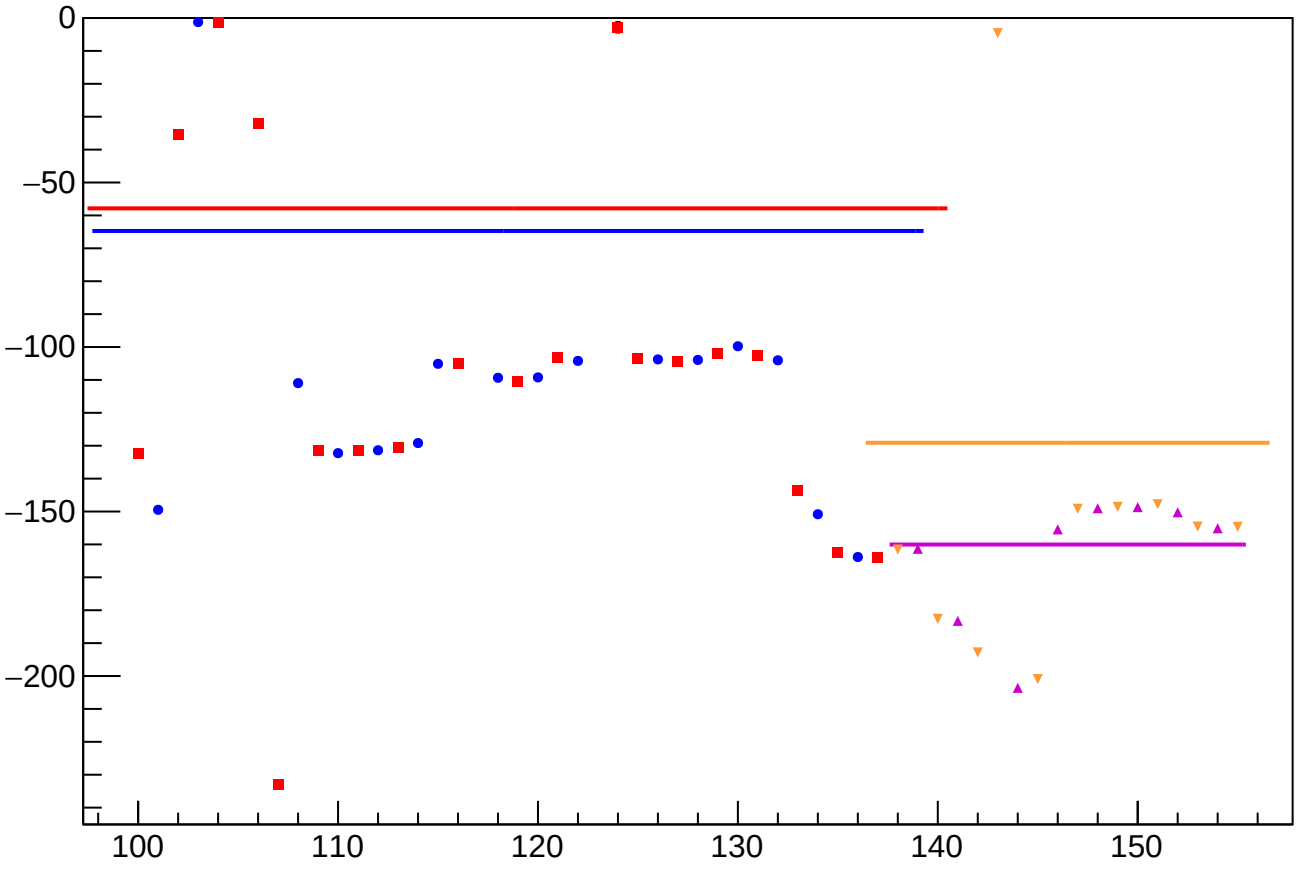
Left: 46.334+/-1.037 χ^2/NDF: 385.5/17

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 38.400+/-0.984 χ^2/NDF:447.5/23

Out: 33.344+/-0.908 χ^2/NDF:576.0/28

All: 35.670+/-0.667 χ^2/NDF: 1037.8/52



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -129.106+/-0.068 χ^2/NDF:925780.7/9

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -160.036+/-0.076 χ^2/NDF:44934.2/7

Left: -142.841+/-0.051 χ^2/NDF: 1061768.0/17

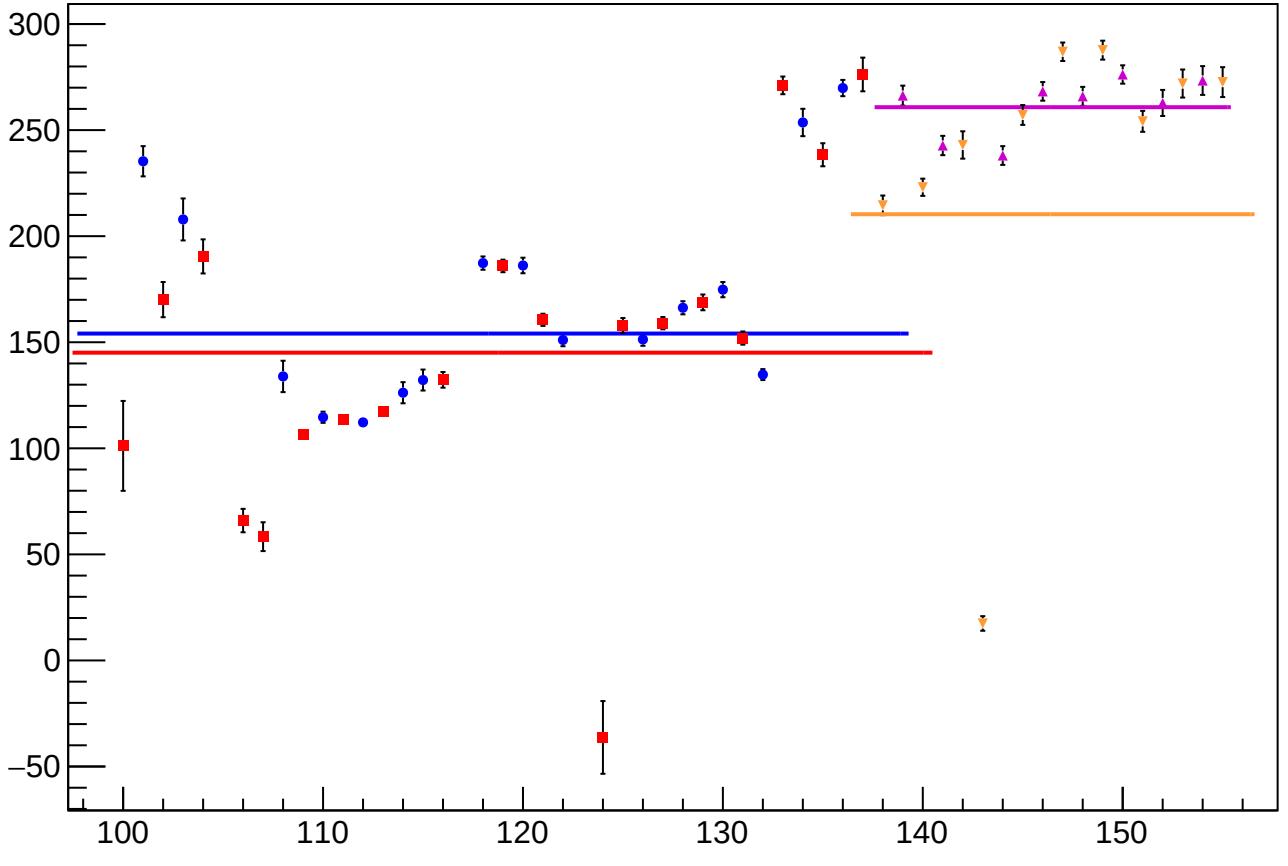
Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -103.862+/-0.049 χ^2/NDF:2005988.5/23

Out: -90.124+/-0.046 χ^2/NDF:2396825.8/28

All: -96.559+/-0.034 χ^2/NDF: 4444651.1/52

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 210.339+/-1.494 χ^2/NDF:4124.0/9

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 260.805+/-1.695 χ^2/NDF:64.1/7

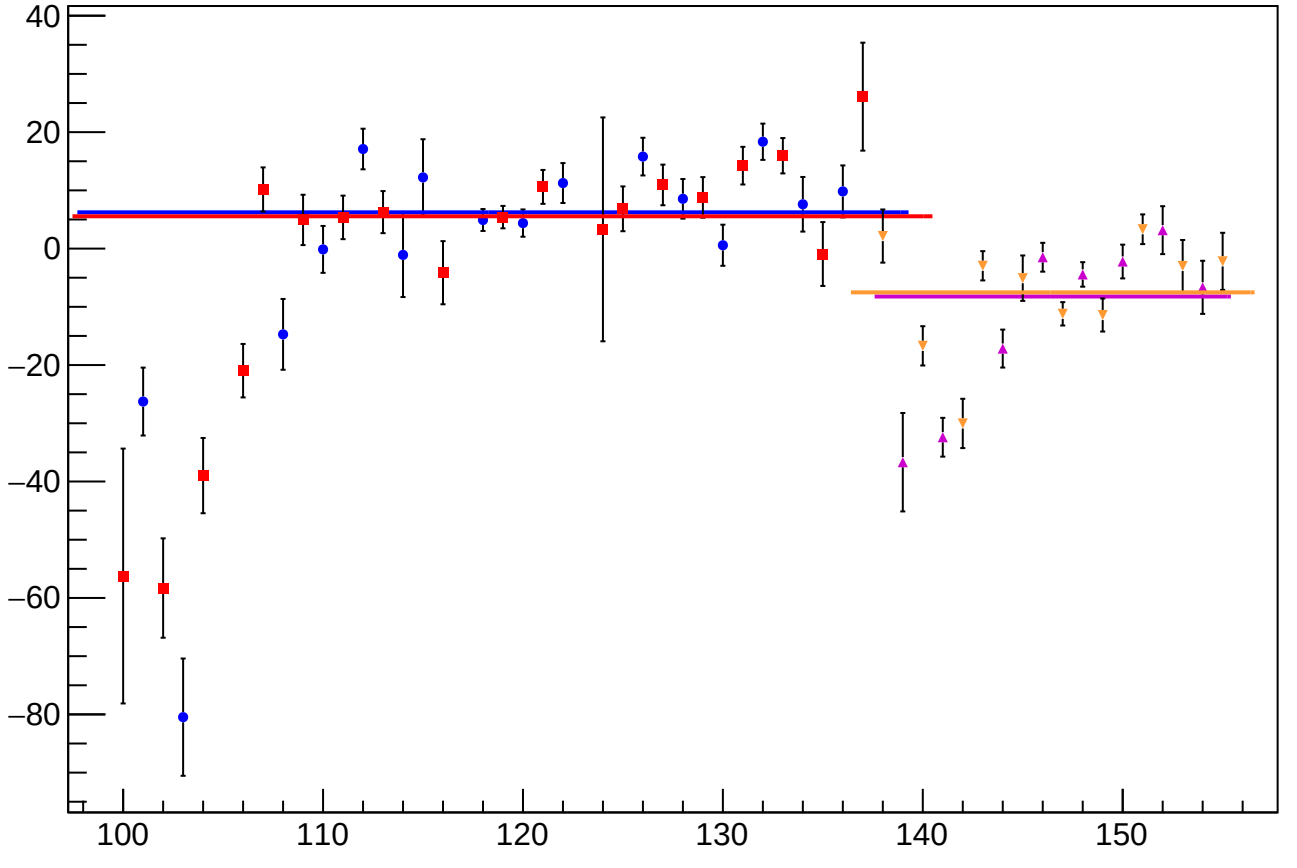
Left: 232.405+/-1.121 χ^2/NDF: 4687.2/17

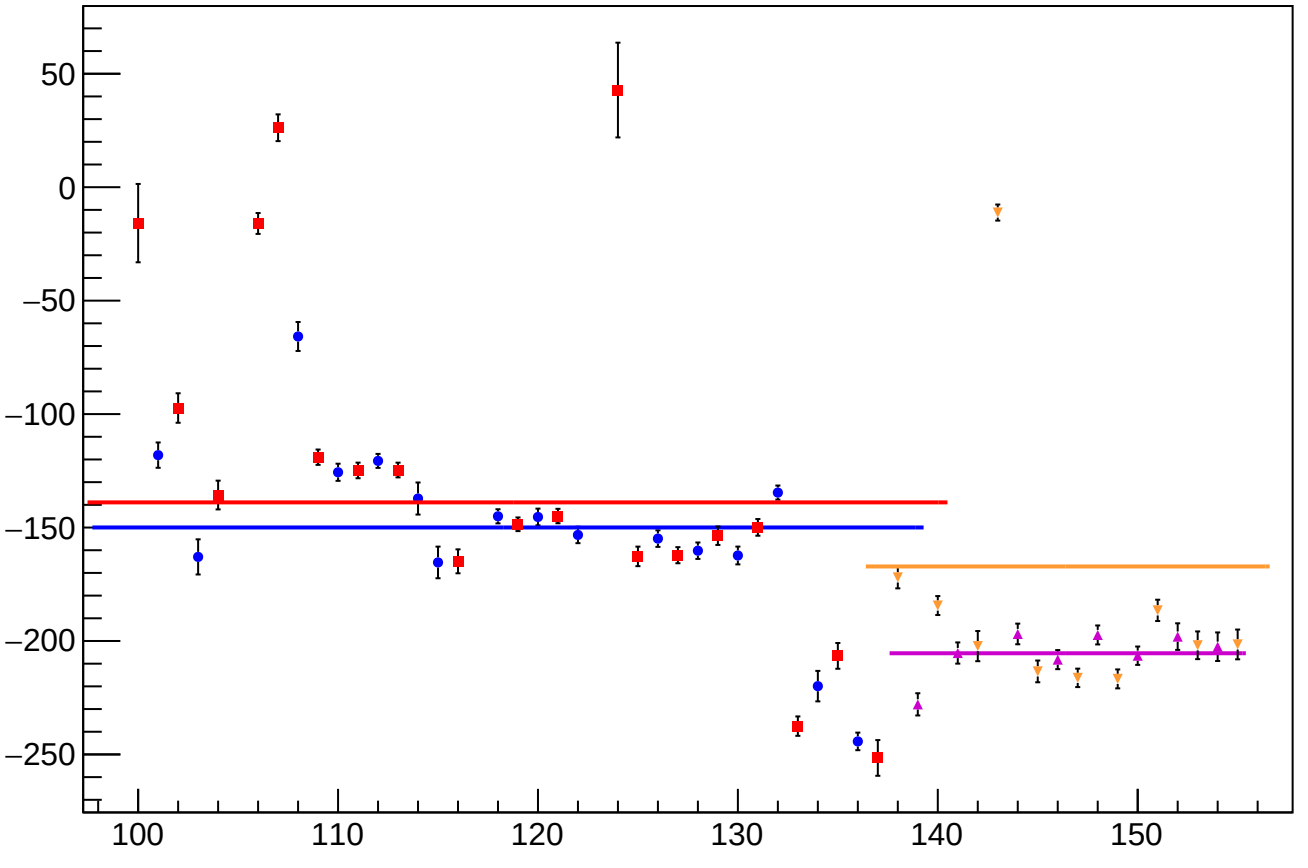
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 176.319+/-0.773 χ^2/NDF:5484.7/23

Out: 160.366+/-0.723 χ^2/NDF:8544.0/28

All: 167.805+/-0.528 χ^2/NDF: 14255.8/52


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: -7.517+/-0.983 χ²/NDF:69.4/9
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -8.229+/-1.109 χ²/NDF:94.3/7
Left: -7.830+/-0.736 χ²/NDF: 163.9/17
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 0.564+/-0.694 χ²/NDF:359.7/23
Out: -0.330+/-0.660 χ²/NDF:347.6/28
All: 0.095+/-0.478 χ²/NDF: 708.2/52



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -167.155+/-1.475 χ^2/NDF:2440.0/9

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -205.407+/-1.655 χ^2/NDF:30.7/7

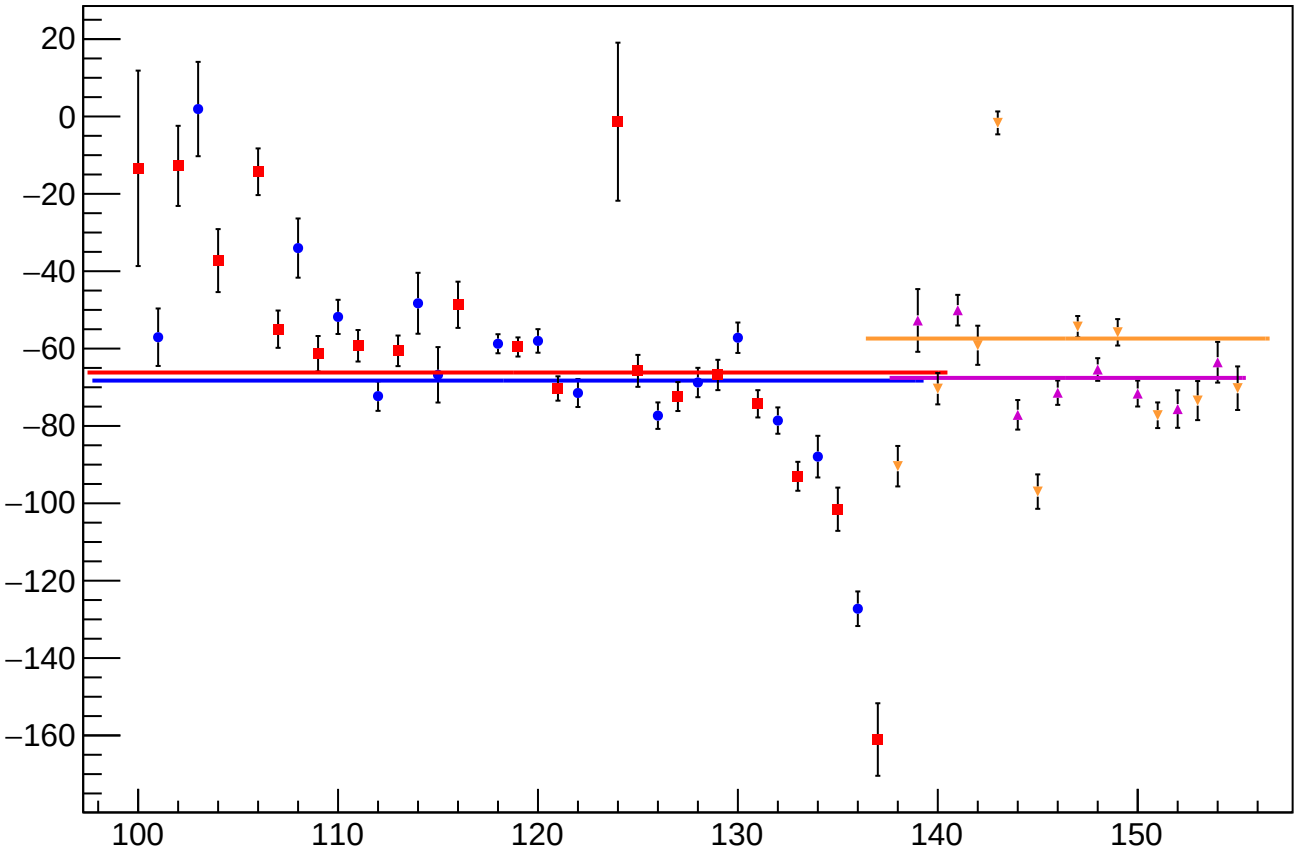
Left: -184.094+/-1.101 χ^2/NDF: 2768.3/17

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -165.353+/-0.872 χ^2/NDF:1940.8/23

Out: -147.723+/-0.824 χ^2/NDF:5443.0/28

All: -156.042+/-0.599 χ^2/NDF: 7599.8/52



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -57.405+/-1.212 χ^2/NDF:536.0/9

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -67.579+/-1.371 χ^2/NDF:35.9/7

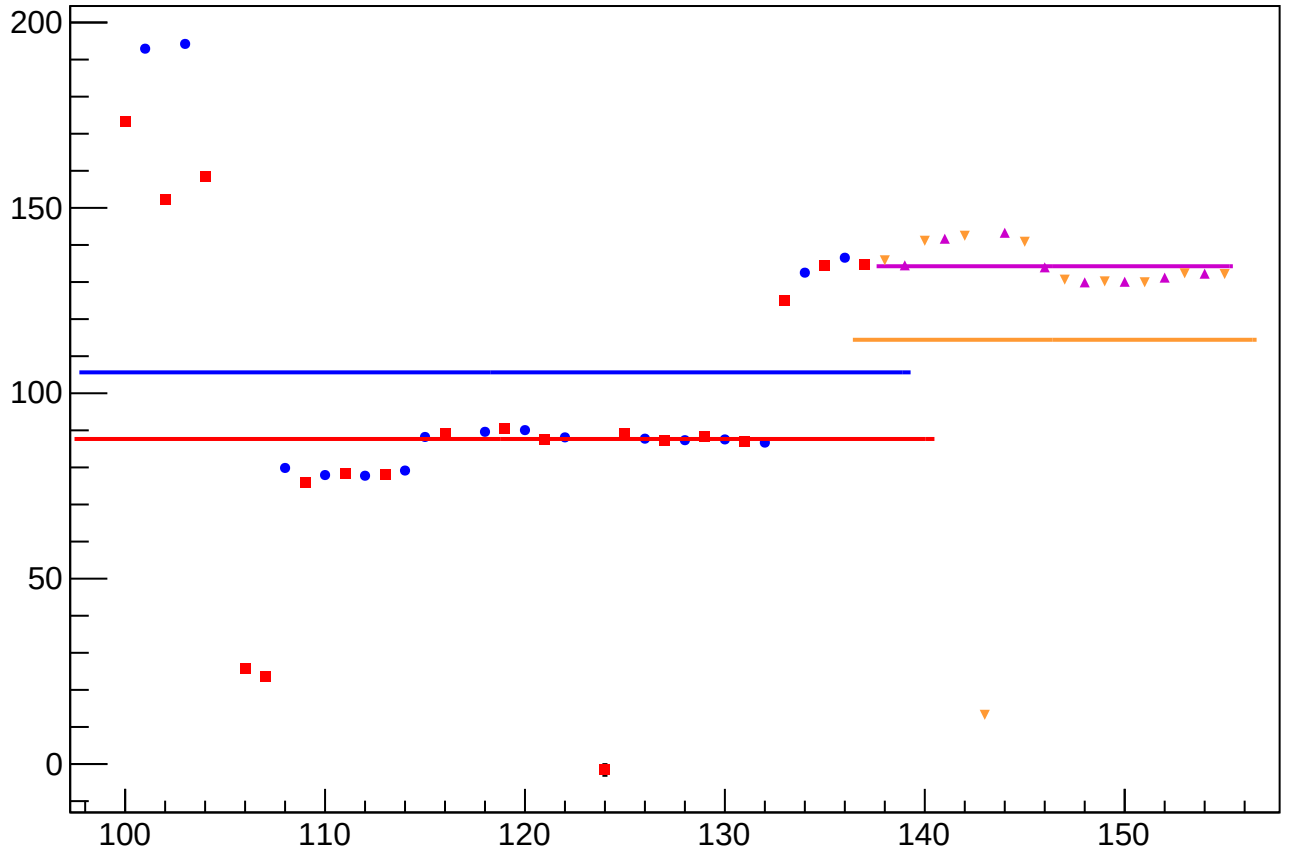
Left: -61.870+/-0.908 χ^2/NDF: 602.8/17

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -68.021+/-0.825 χ^2/NDF:351.5/23

Out: -62.529+/-0.782 χ^2/NDF:924.9/28

All: -65.129+/-0.568 χ^2/NDF: 1299.8/52



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 114.426+/-0.060 χ^2/NDF:572587.6/9

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 134.261+/-0.066 χ^2/NDF:5090.6/7

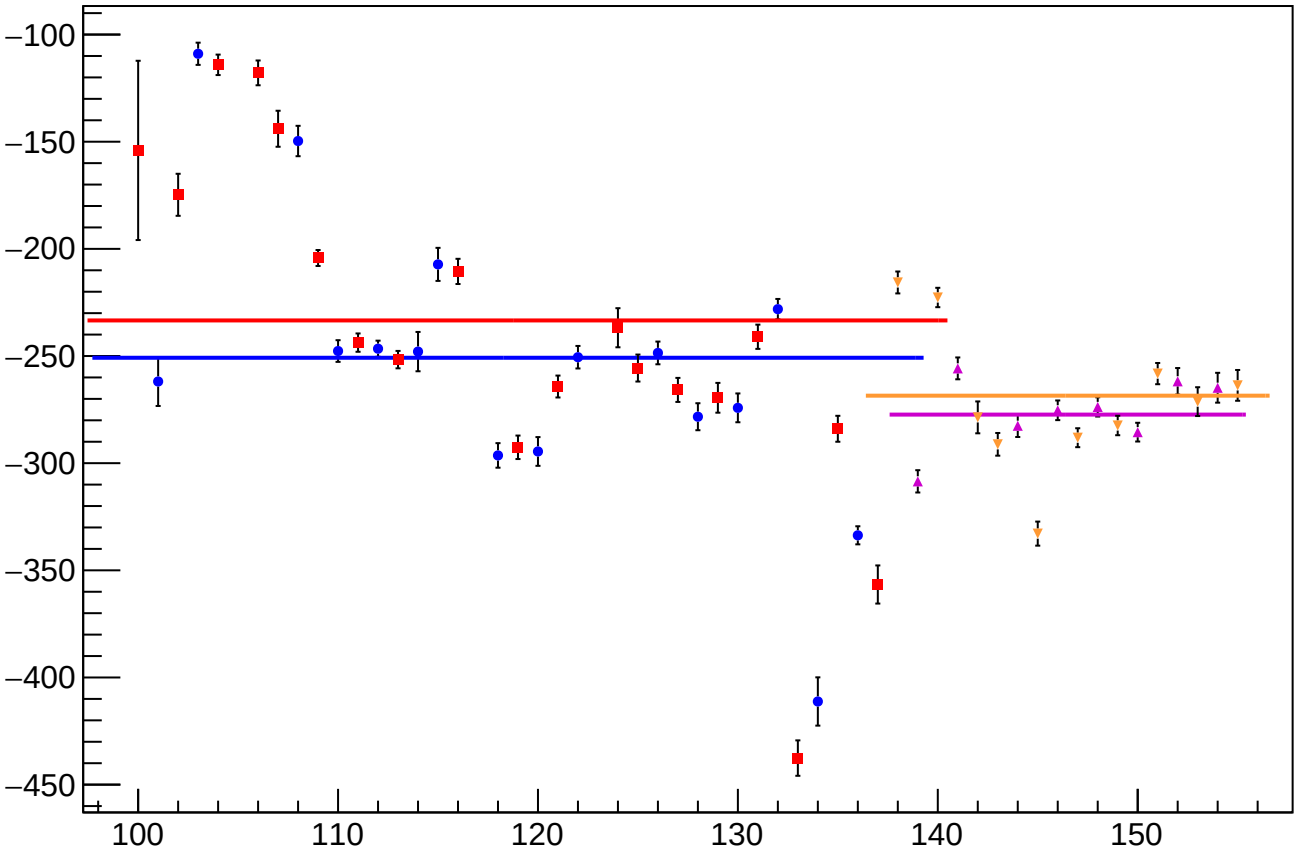
Left: 123.432+/-0.044 χ^2/NDF: 627348.9/17

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 121.012+/-0.048 χ^2/NDF:332396.8/23

Out: 102.253+/-0.044 χ^2/NDF:1037613.9/28

All: 110.838+/-0.033 χ^2/NDF: 1452186.7/52



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -268.502+/-1.679 χ^2/NDF:395.3/9

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -277.335+/-1.802 χ^2/NDF:68.6/7

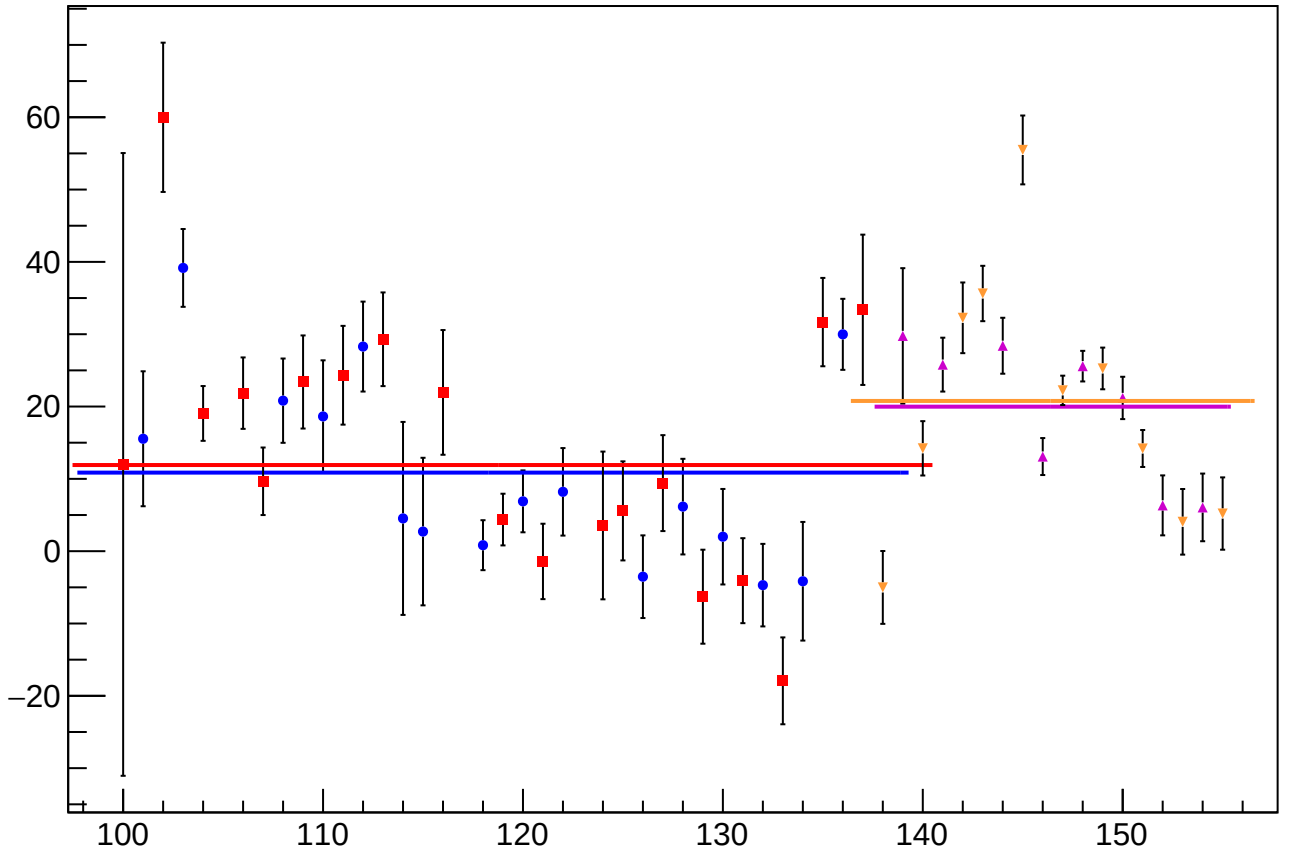
Left: -272.605+/-1.228 χ^2/NDF: 476.8/17

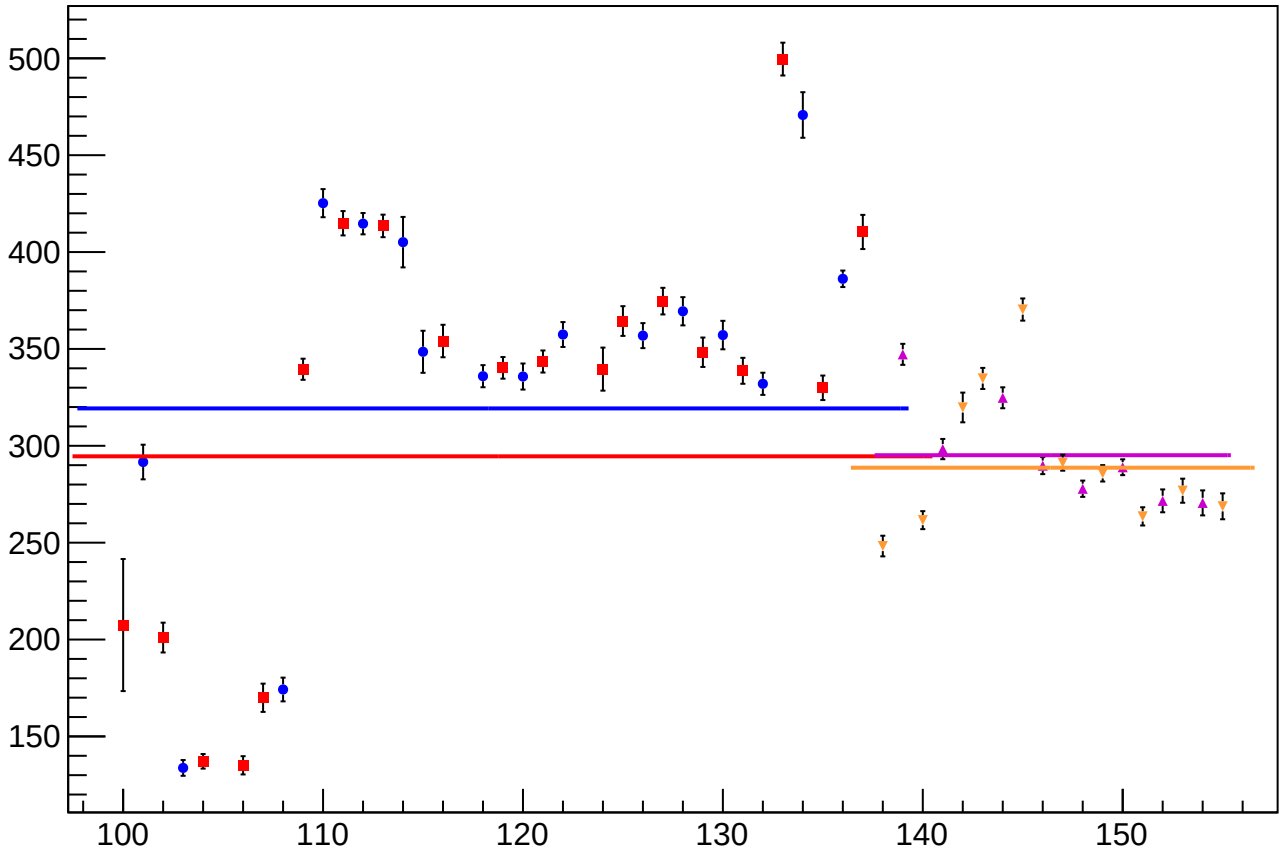
Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -261.131+/-1.124 χ^2/NDF:1936.6/23

Out: -246.976+/-1.044 χ^2/NDF:3042.0/28

All: -253.531+/-0.765 χ^2/NDF: 5063.7/52


reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
Right In: 10.864+/-1.471 χ²/NDF: 84.7/15
Left Out: 20.773+/-1.073 χ²/NDF:135.8/9
Right Out: 11.912+/-1.368 χ²/NDF: 111.9/18
Left In: 19.981+/-1.157 χ²/NDF:42.4/7
Left: 20.407+/-0.786 χ²/NDF: 178.5/17
Right: 11.426+/-1.001 χ²/NDF: 196.9/34
In: 16.497+/-0.909 χ²/NDF:150.8/23
Out: 17.398+/-0.844 χ²/NDF:273.8/28
All: 16.981+/-0.619 χ²/NDF: 425.1/52



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 288.698+/-1.642 χ^2/NDF:424.6/9

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 295.146+/-1.751 χ^2/NDF:173.8/7

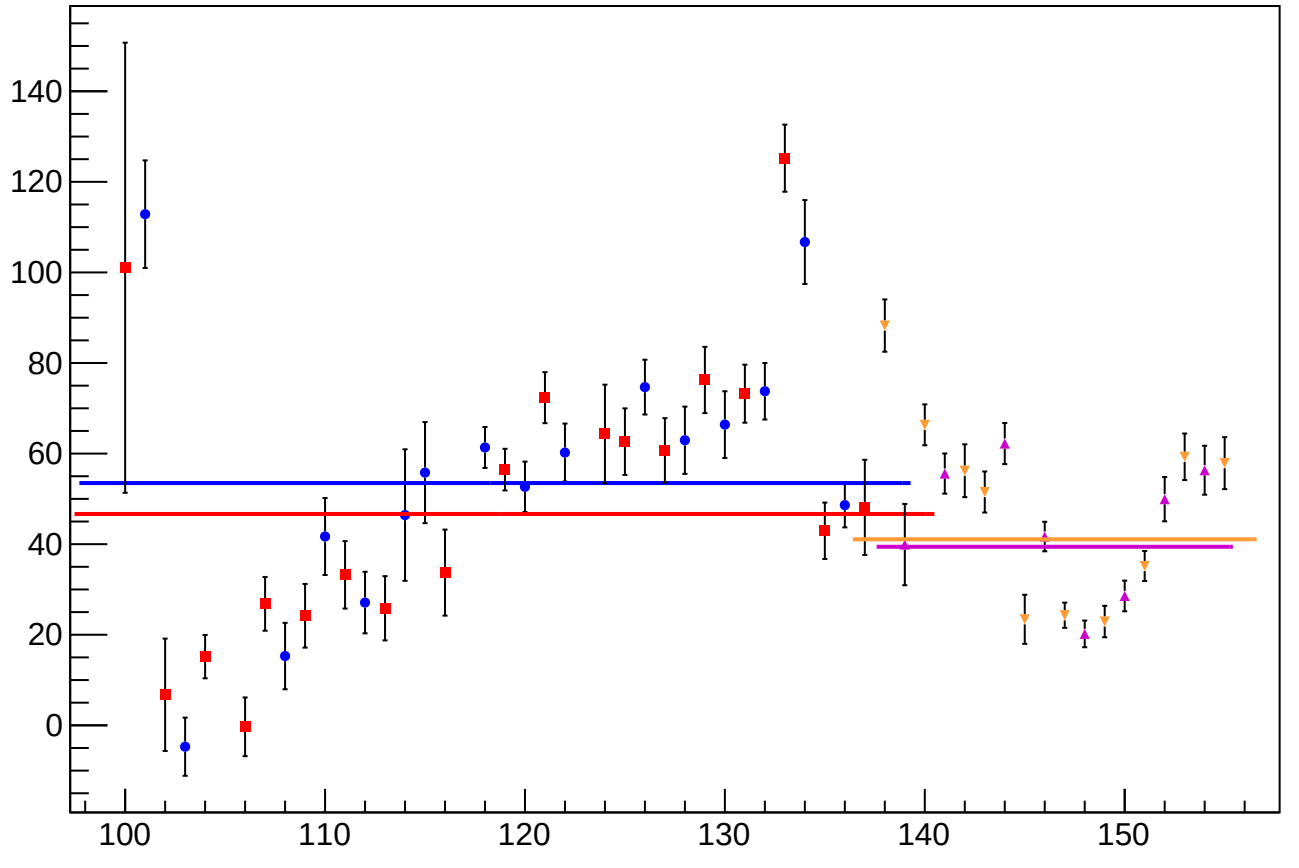
Left: 291.715+/-1.198 χ^2/NDF: 605.6/17

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 308.412+/-1.176 χ^2/NDF:4071.2/23

Out: 291.934+/-1.100 χ^2/NDF:5934.9/28

All: 299.626+/-0.803 χ^2/NDF: 10110.8/52



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 41.079+/-1.334 χ^2/NDF:208.7/9

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 39.425+/-1.436 χ^2/NDF:106.4/7

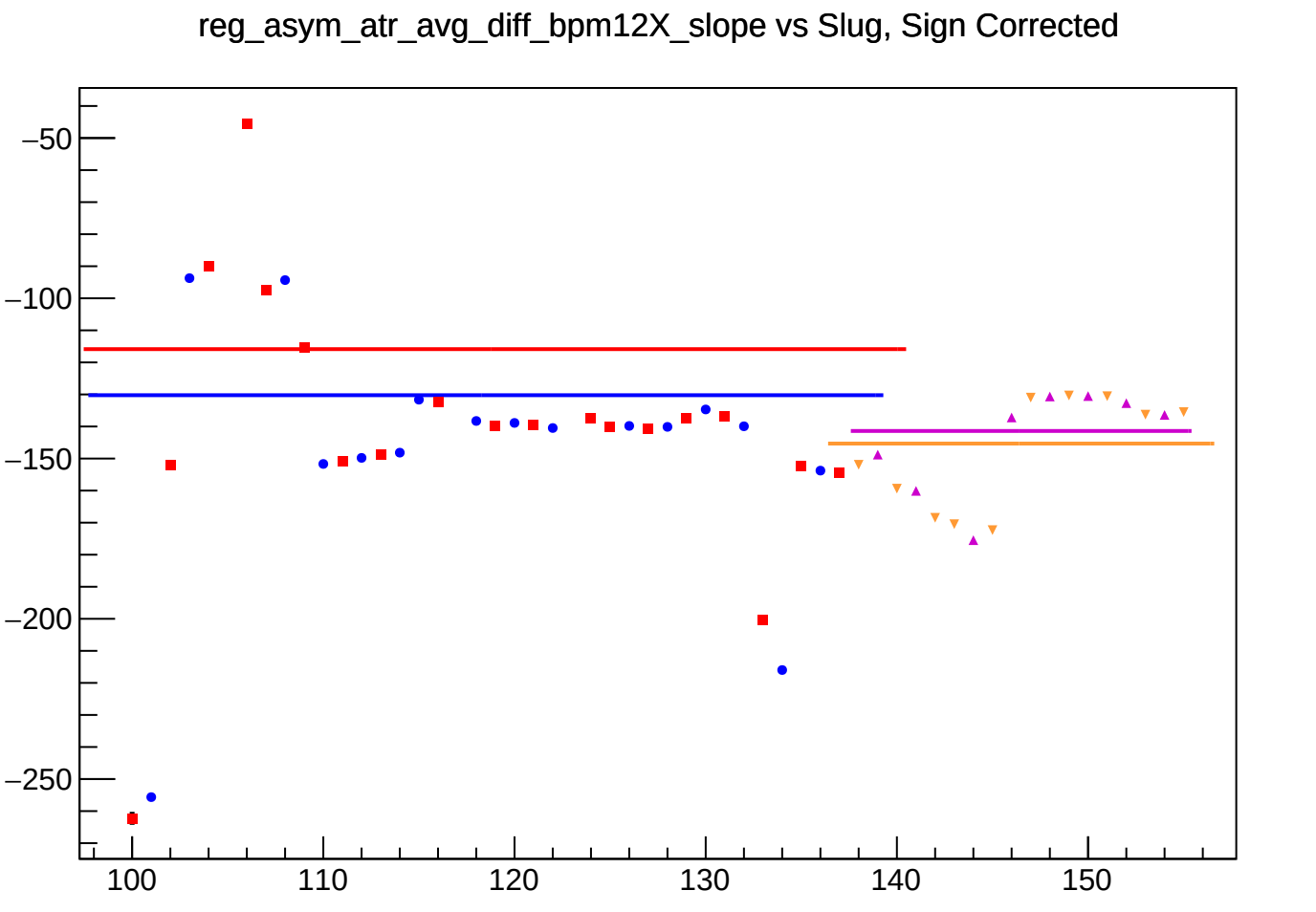
Left: 40.313+/-0.977 χ^2/NDF: 315.8/17

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 45.290+/-1.097 χ^2/NDF:363.6/23

Out: 43.381+/-1.023 χ^2/NDF:541.6/28

All: 44.269+/-0.748 χ^2/NDF: 906.8/52



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -145.326+/-0.067 χ^2/NDF:60625.9/9

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -141.394+/-0.069 χ^2/NDF:39875.0/7

Left: -143.442+/-0.048 χ^2/NDF: 102174.1/17

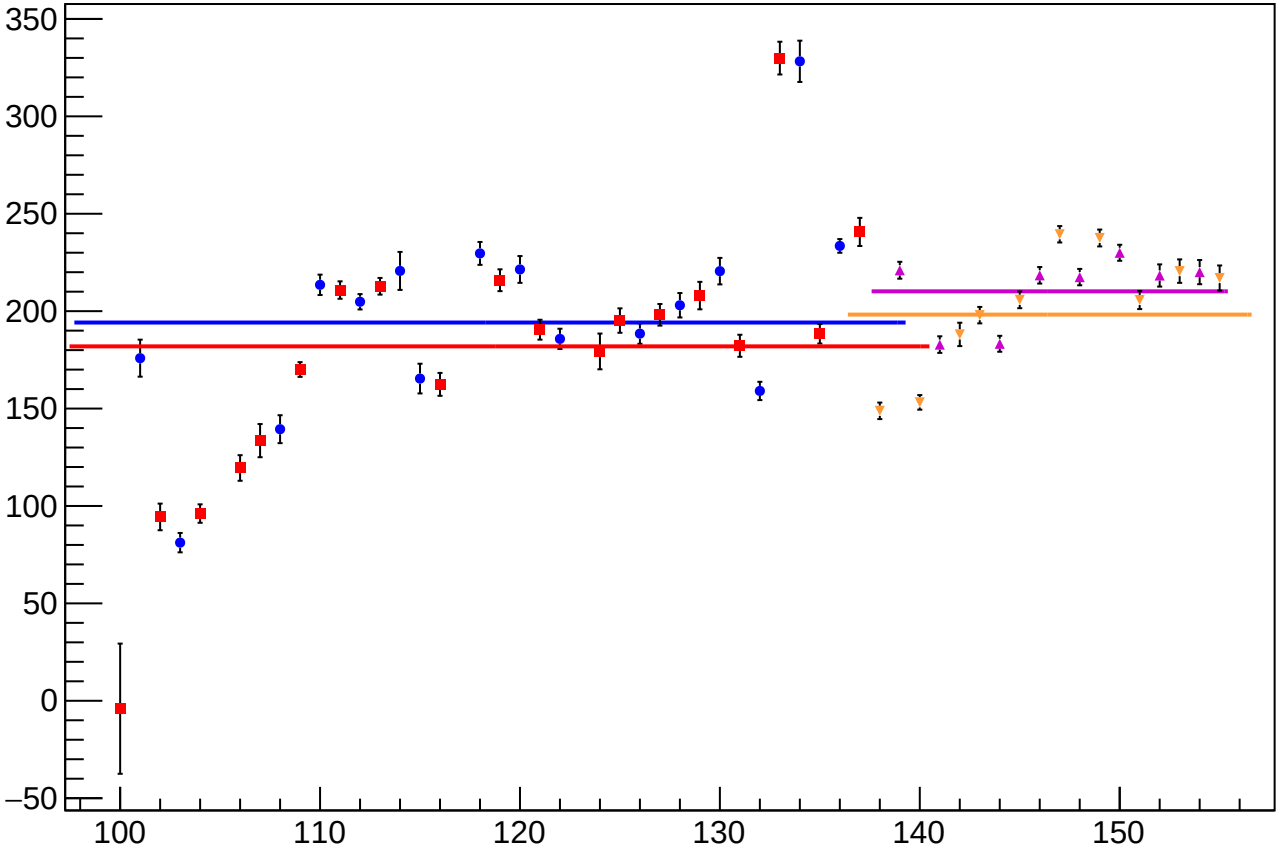
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -137.296+/-0.055 χ^2/NDF:223578.8/23

Out: -134.247+/-0.053 χ^2/NDF:340227.5/28

All: -135.697+/-0.038 χ^2/NDF: 565407.1/52

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: 198.234+/-1.455 χ^2/NDF:489.5/9

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 210.181+/-1.589 χ^2/NDF:125.4/7

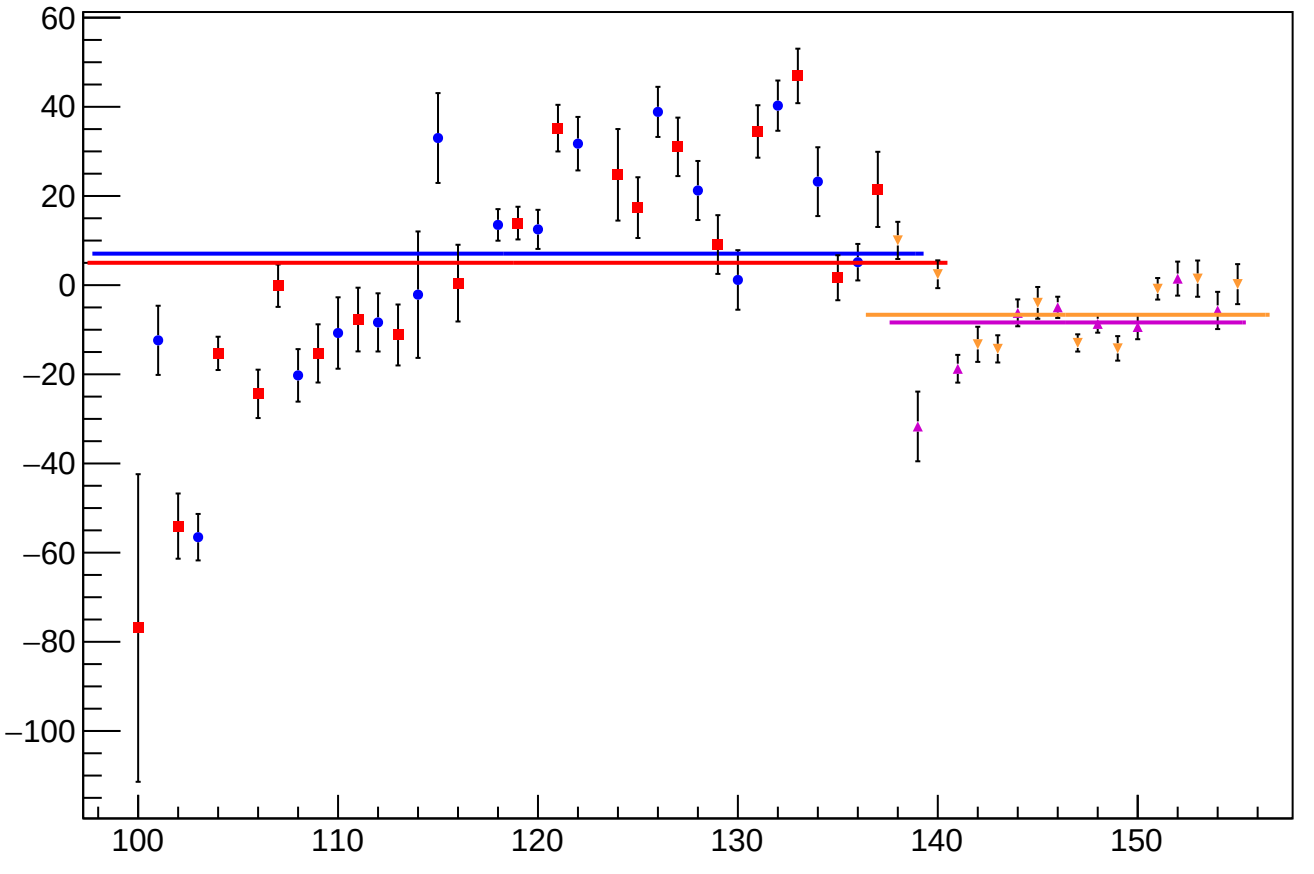
Left: 203.682+/-1.073 χ^2/NDF: 645.7/17

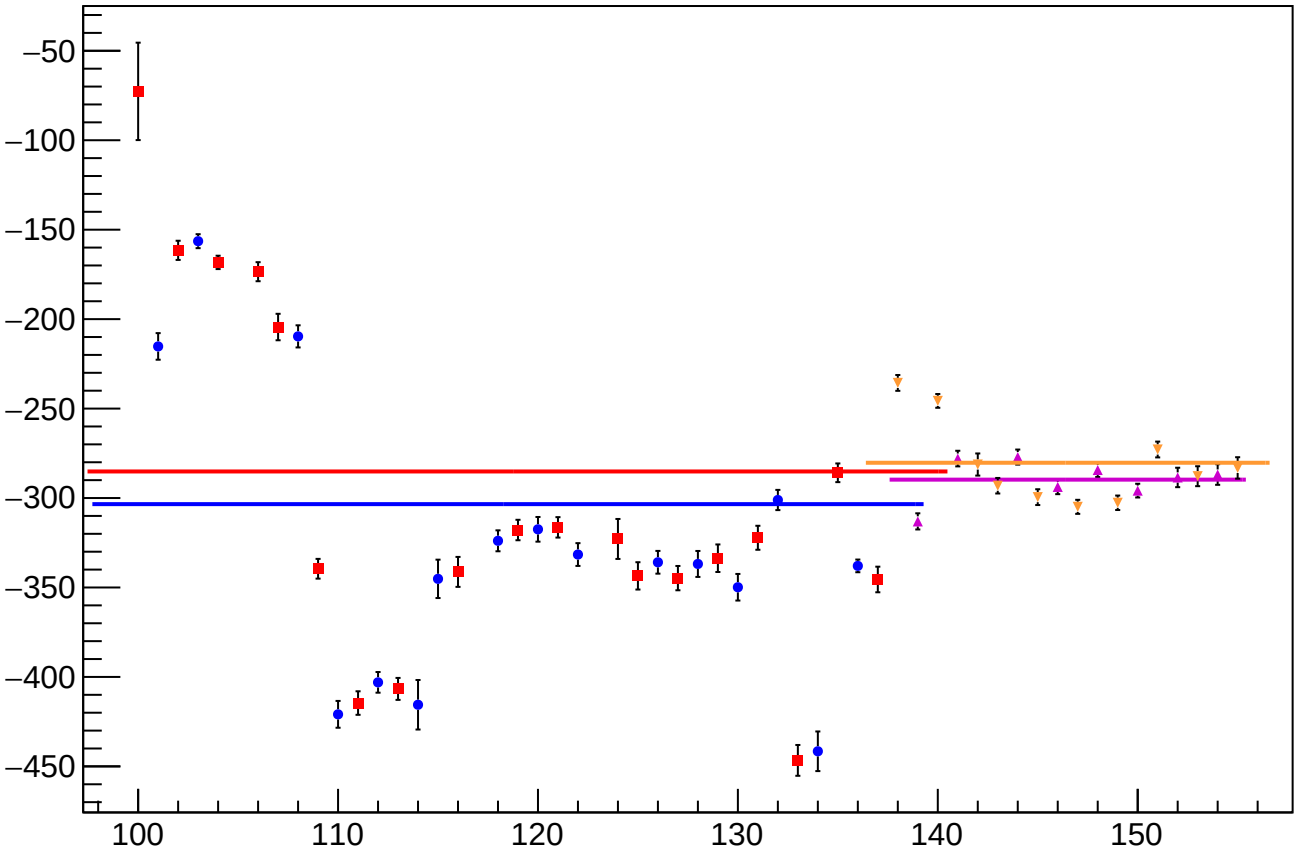
Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 201.202+/-1.053 χ^2/NDF:1217.5/23

Out: 189.302+/-0.978 χ^2/NDF:1763.2/28

All: 194.814+/-0.717 χ^2/NDF: 3049.2/52


reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: 7.066+/-1.443 χ²/NDF: 292.6/15
Left Out: -6.645+/-0.957 χ²/NDF:64.5/9
Right Out: 5.015+/-1.355 χ²/NDF: 288.5/18
Left In: -8.369+/-1.044 χ²/NDF:29.8/7
Left: -7.433+/-0.705 χ²/NDF: 95.8/17
Right: 5.976+/-0.988 χ²/NDF: 582.2/34
In: -3.067+/-0.846 χ²/NDF:397.5/23
Out: -2.764+/-0.782 χ²/NDF:402.5/28
All: -2.904+/-0.574 χ²/NDF: 800.0/52



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -280.278+/-1.434 χ^2/NDF:284.9/9

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -289.721+/-1.553 χ^2/NDF:48.7/7

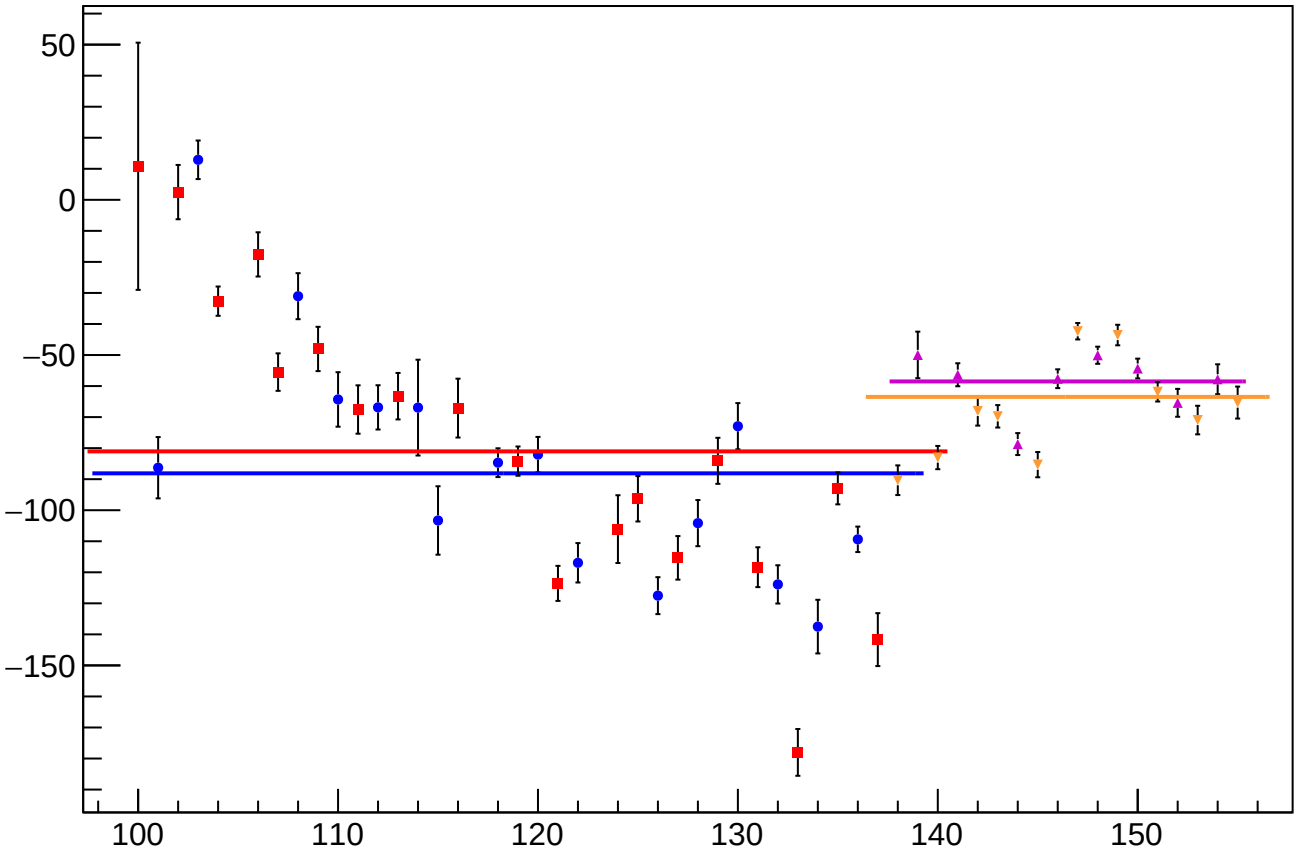
Left: -284.625+/-1.053 χ^2/NDF: 353.5/17

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -296.665+/-1.090 χ^2/NDF:2873.6/23

Out: -282.685+/-1.020 χ^2/NDF:4045.4/28

All: -289.212+/-0.745 χ^2/NDF: 7006.7/52



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -63.490+/-1.181 χ^2/NDF:194.4/9

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -58.510+/-1.289 χ^2/NDF:47.7/7

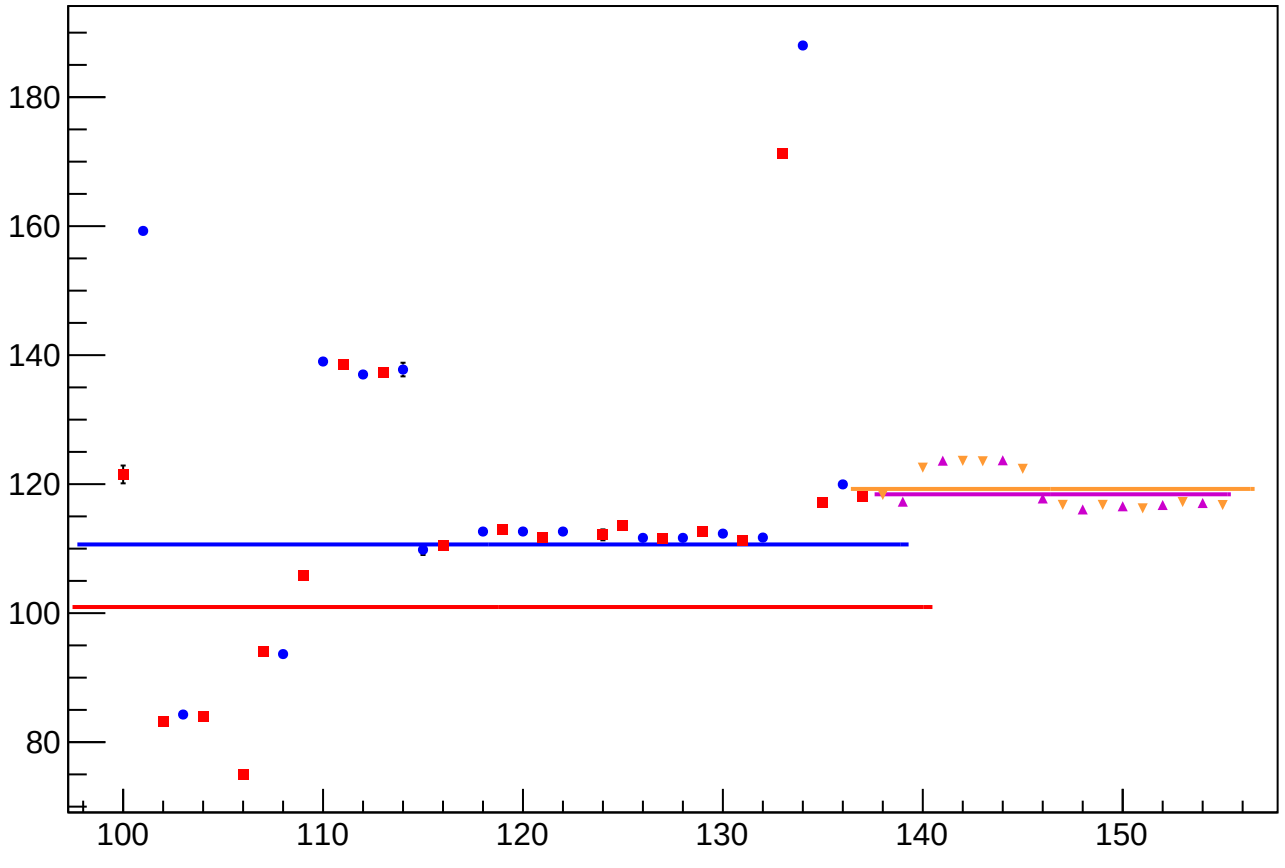
Left: -61.218+/-0.871 χ^2/NDF: 250.2/17

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -69.690+/-1.017 χ^2/NDF:758.8/23

Out: -69.839+/-0.943 χ^2/NDF:951.8/28

All: -69.770+/-0.692 χ^2/NDF: 1710.7/52



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 119.260+/-0.058 χ^2/NDF:2545.1/9

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 118.425+/-0.062 χ^2/NDF:2179.2/7

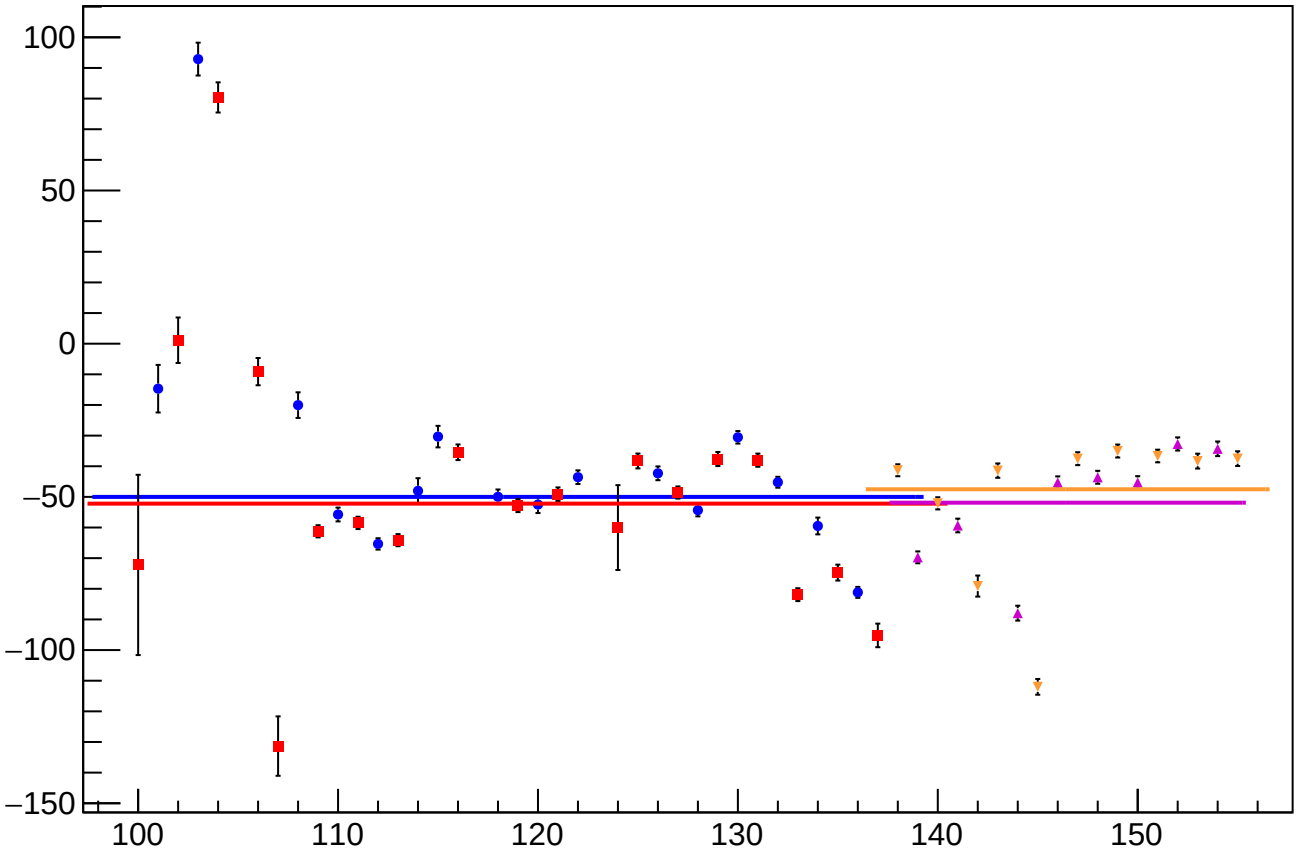
Left: 118.866+/-0.042 χ^2/NDF: 4821.5/17

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.783+/-0.050 χ^2/NDF:91117.5/23

Out: 113.036+/-0.047 χ^2/NDF:98303.1/28

All: 114.329+/-0.034 χ^2/NDF: 191015.1/52



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -47.516+/-0.715 χ^2/NDF:851.2/9

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -51.894+/-0.758 χ^2/NDF:485.5/7

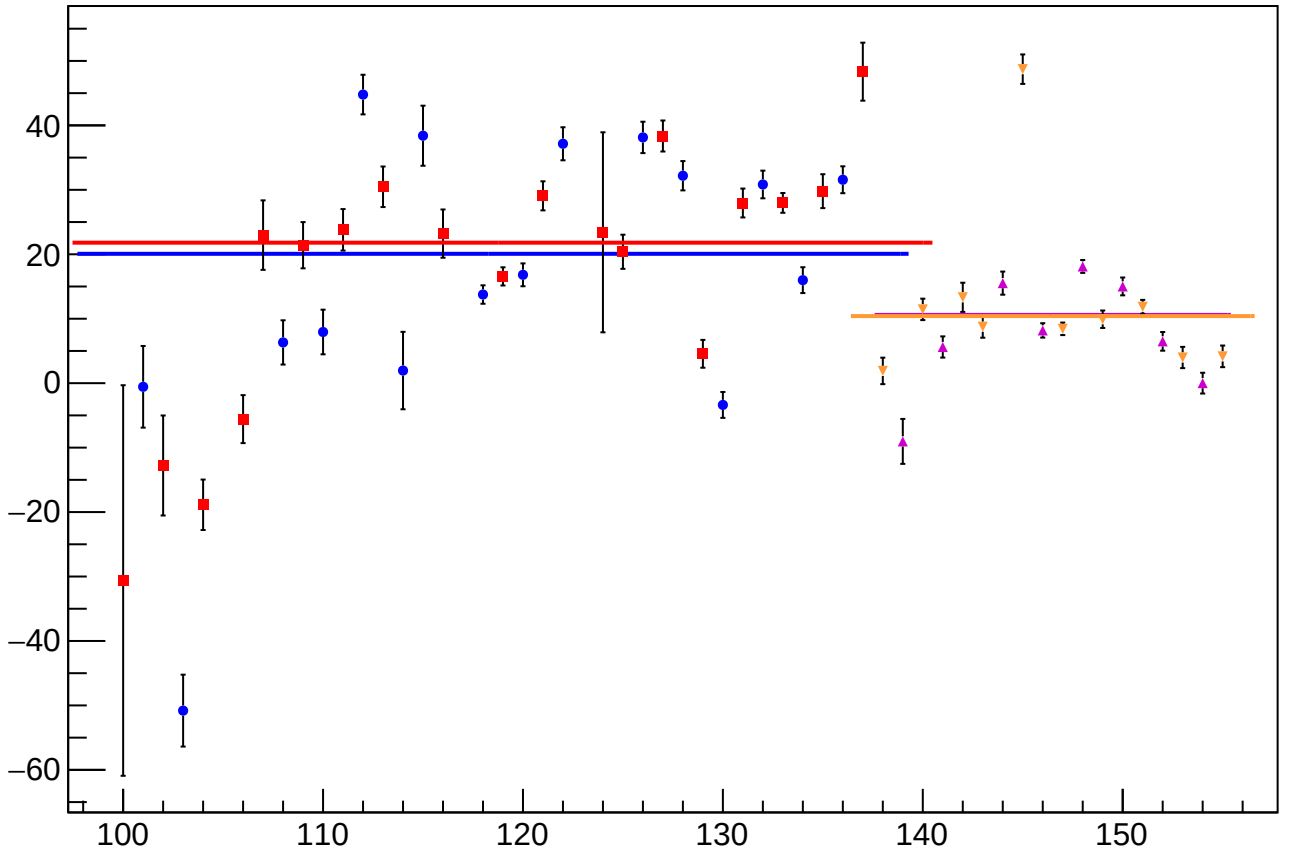
Left: -49.577+/-0.520 χ^2/NDF: 1354.4/17

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -50.749+/-0.475 χ^2/NDF:1816.6/23

Out: -50.250+/-0.462 χ^2/NDF:2446.6/28

All: -50.492+/-0.331 χ^2/NDF: 4263.8/52



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 10.408+/-0.470 χ^2/NDF:336.2/9

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 10.591+/-0.503 χ^2/NDF:171.2/7

Left: 10.493+/-0.344 χ^2/NDF: 507.5/17

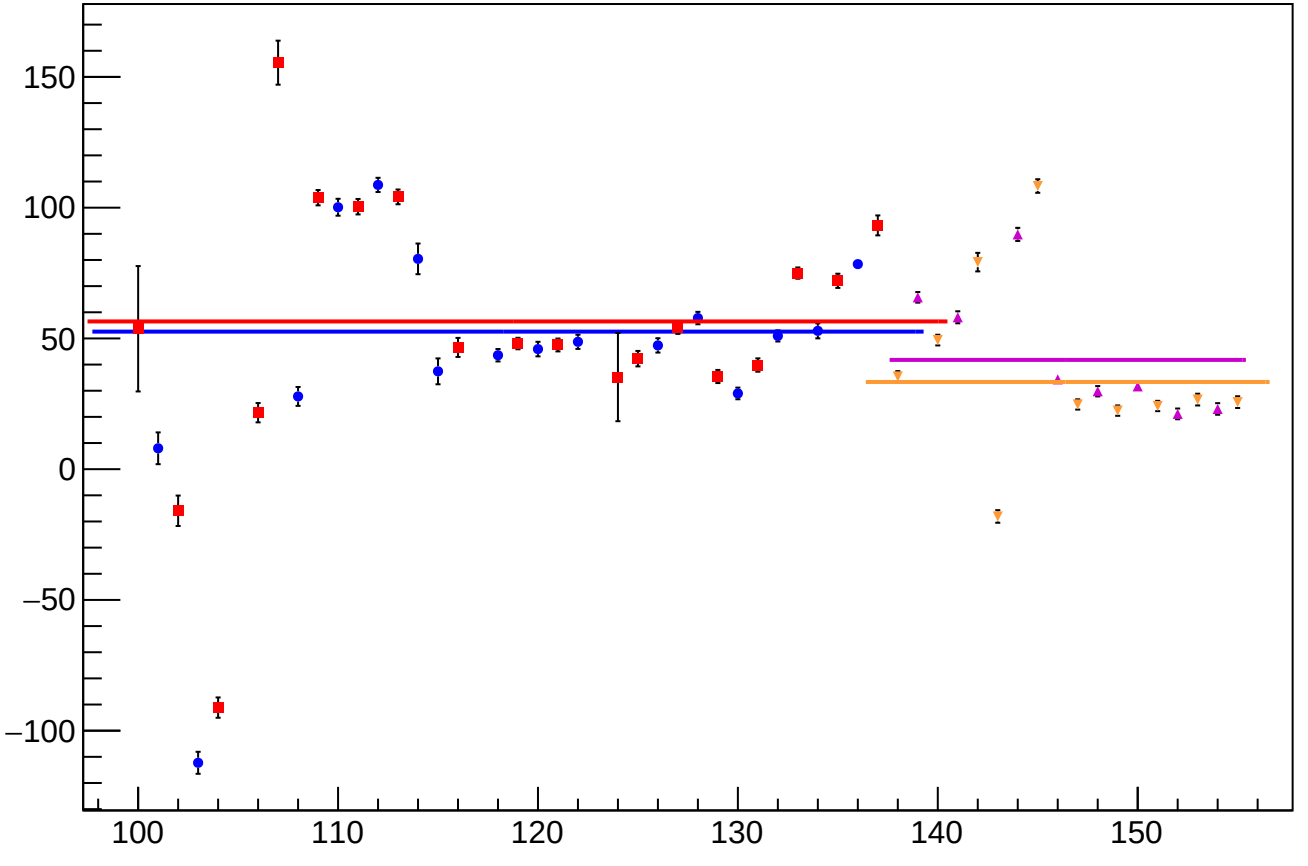
Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 14.413+/-0.389 χ^2/NDF:950.7/23

Out: 14.552+/-0.375 χ^2/NDF:946.0/28

All: 14.485+/-0.270 χ^2/NDF: 1896.8/52

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 33.355+/-0.699 χ^2/NDF:1610.2/9

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 41.788+/-0.738 χ^2/NDF:810.2/7

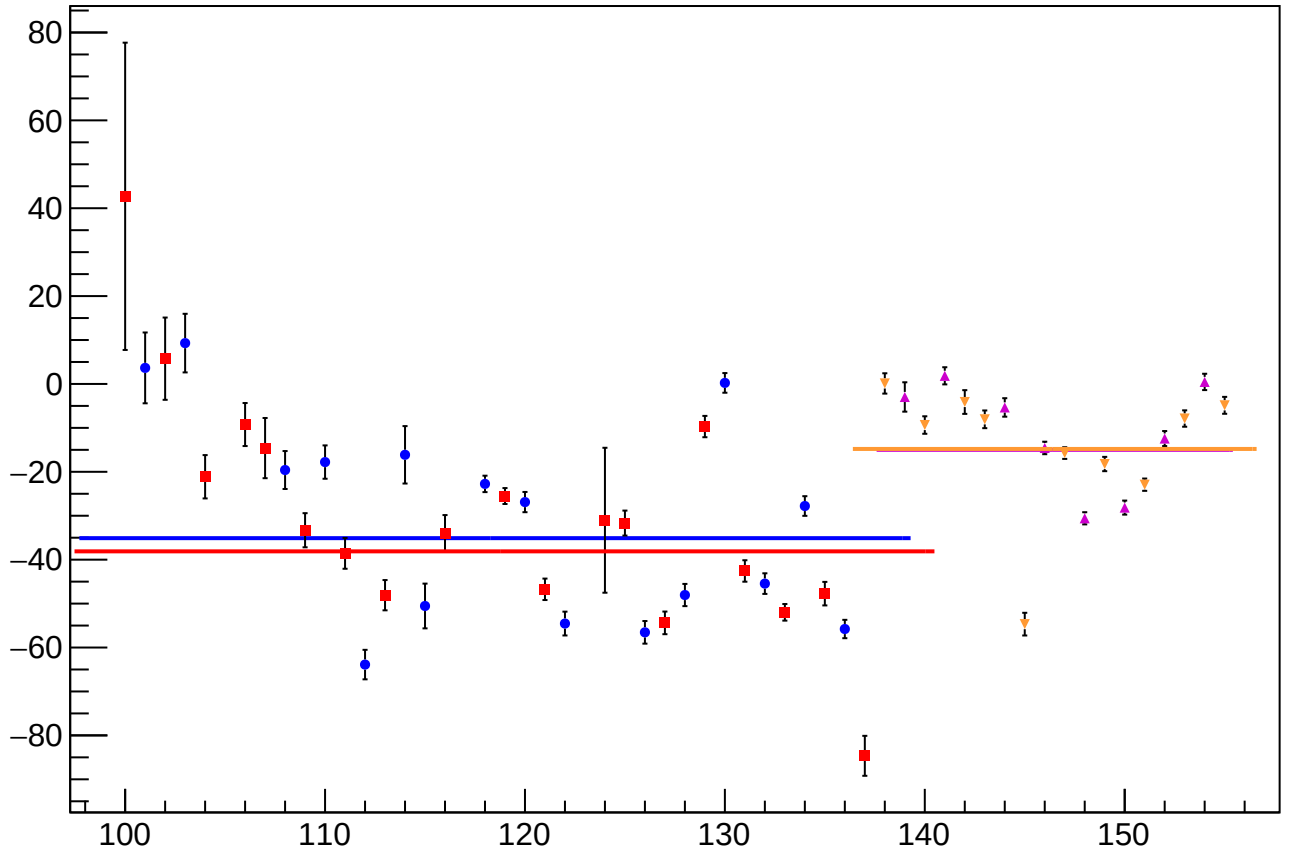
Left: 37.344+/-0.507 χ^2/NDF: 2489.2/17

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 47.508+/-0.506 χ^2/NDF:3583.3/23

Out: 44.821+/-0.497 χ^2/NDF:5118.8/28

All: 46.138+/-0.355 χ^2/NDF: 8716.4/52



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.795+/-0.579 χ^2/NDF:393.3/9

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -14.998+/-0.618 χ^2/NDF:374.0/7

Left: -14.890+/-0.423 χ^2/NDF: 767.4/17

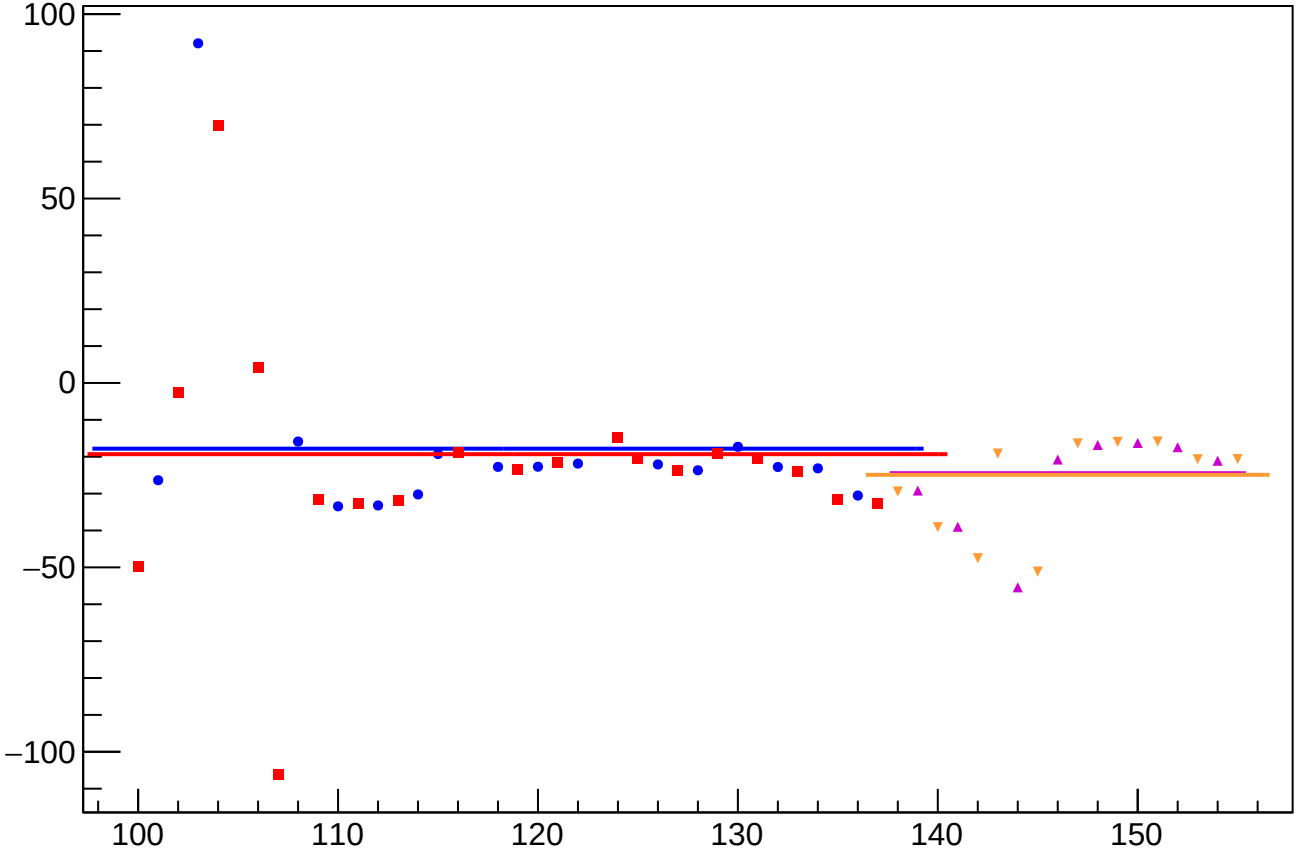
Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -23.809+/-0.463 χ^2/NDF:1610.6/23

Out: -24.046+/-0.450 χ^2/NDF:1551.3/28

All: -23.931+/-0.323 χ^2/NDF: 3162.0/52

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -24.910+/-0.028 χ^2/NDF:162241.1/9

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -24.465+/-0.029 χ^2/NDF:137571.8/7

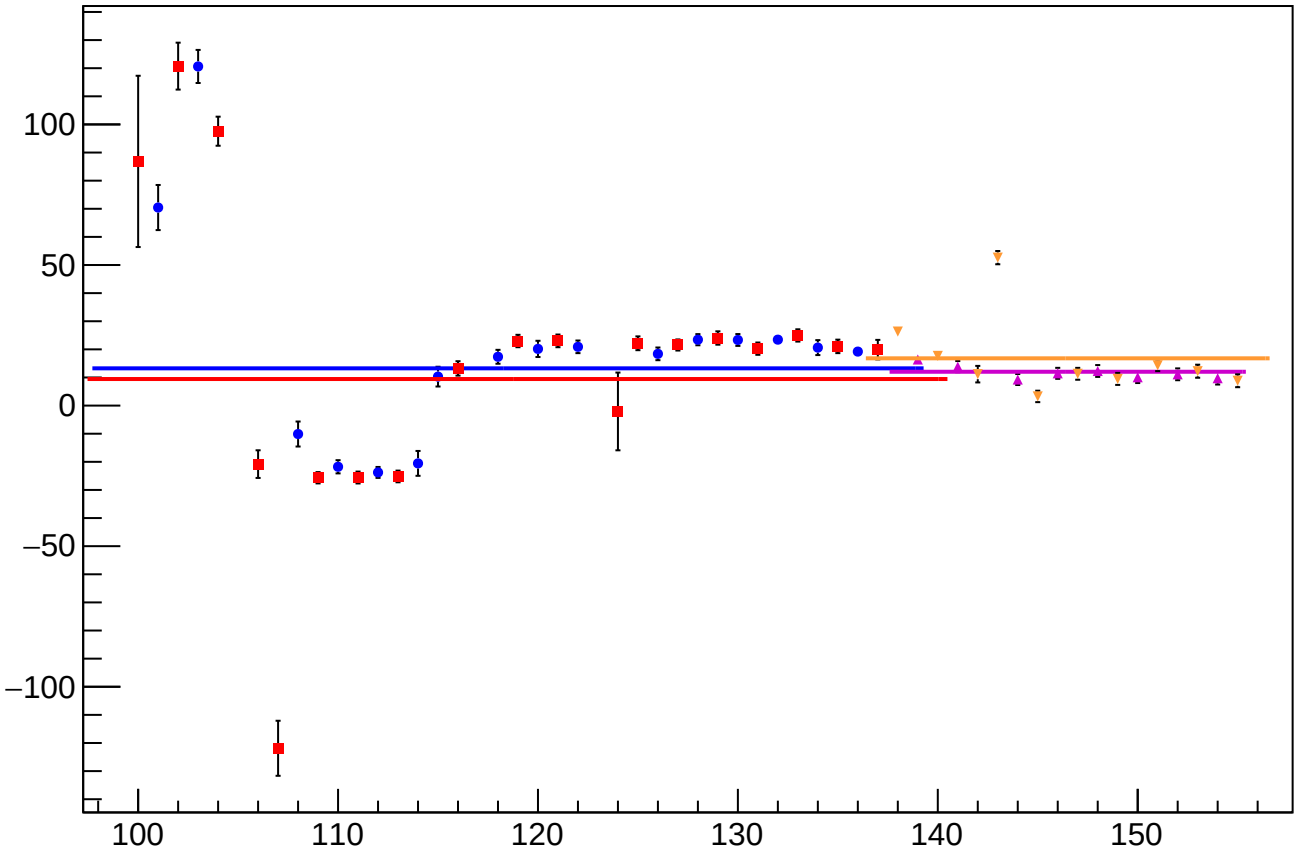
Left: -24.696+/-0.020 χ^2/NDF: 299937.7/17

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -22.438+/-0.024 χ^2/NDF:580113.8/23

Out: -23.430+/-0.024 χ^2/NDF:517727.0/28

All: -22.938+/-0.017 χ^2/NDF: 1098711.8/52



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 16.813+/-0.670 χ^2/NDF:342.8/9

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 12.035+/-0.708 χ^2/NDF:11.4/7

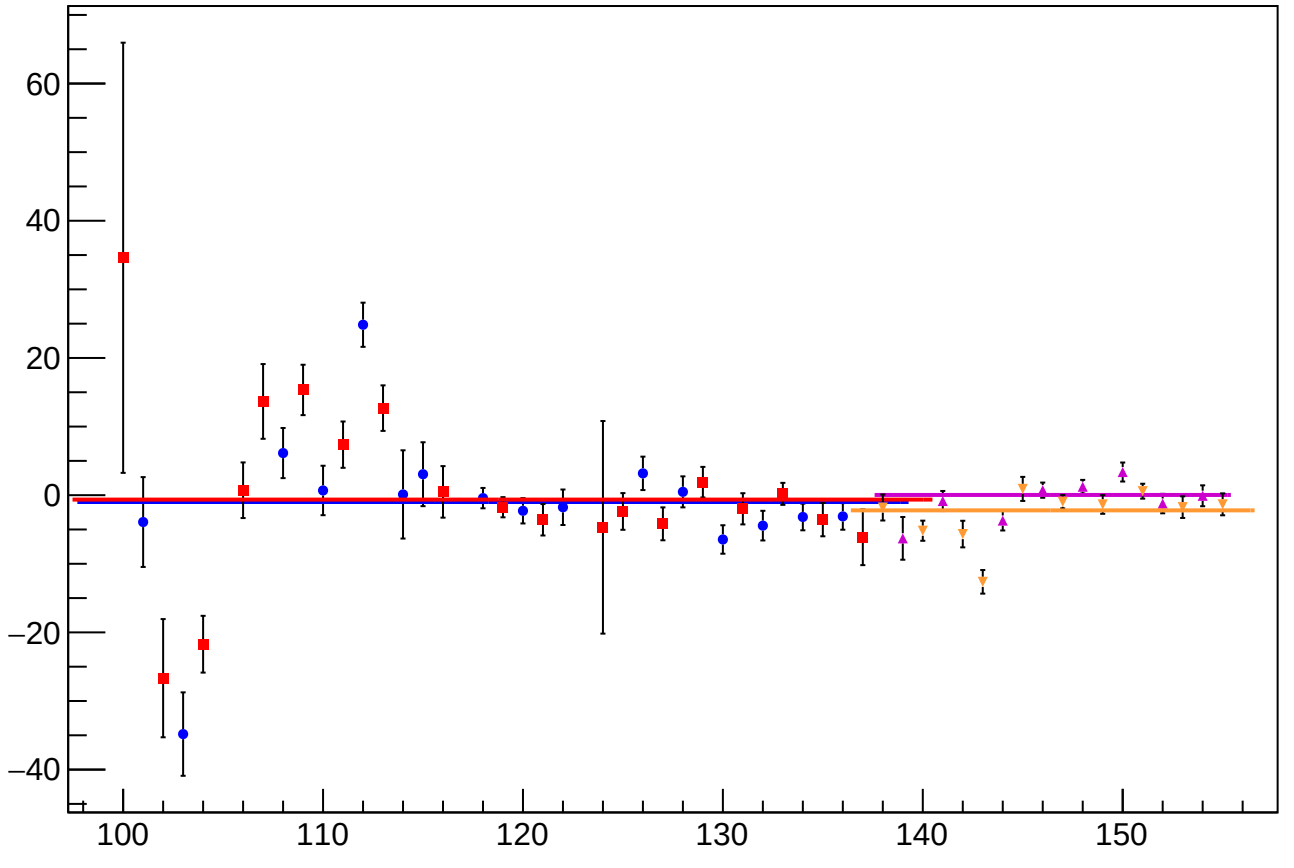
Left: 14.554+/-0.486 χ^2/NDF: 378.3/17

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 12.728+/-0.464 χ^2/NDF:1195.6/23

Out: 12.817+/-0.453 χ^2/NDF:2245.0/28

All: 12.774+/-0.324 χ^2/NDF: 3440.6/52



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.213+/-0.451 χ^2/NDF:56.3/9

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: 0.033+/-0.481 χ^2/NDF:19.6/7

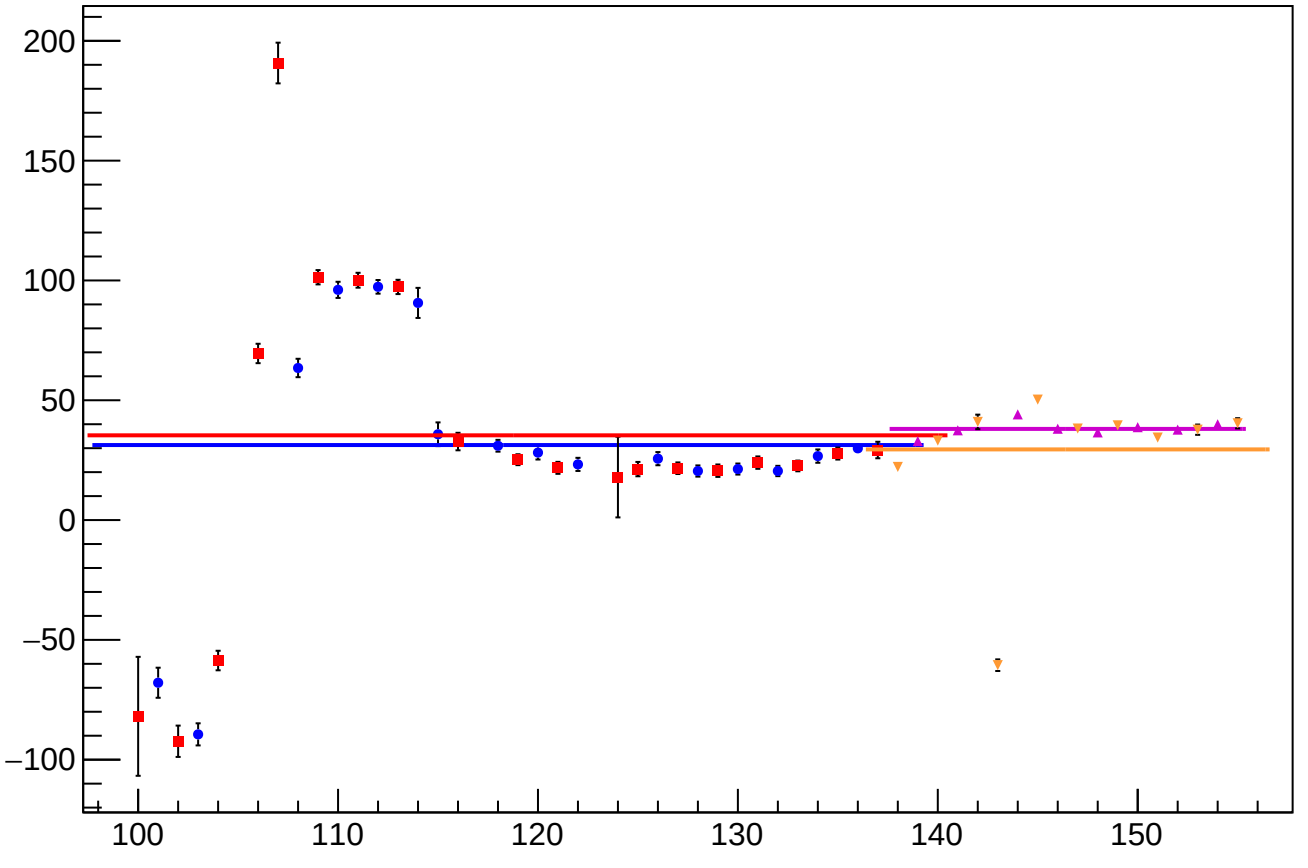
Left: -1.161+/-0.329 χ^2/NDF: 87.5/17

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.353+/-0.380 χ^2/NDF:137.7/23

Out: -1.687+/-0.368 χ^2/NDF:154.6/28

All: -1.041+/-0.264 χ^2/NDF: 298.6/52



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 29.491+/-0.658 χ^2/NDF:1602.9/9

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 38.044+/-0.692 χ^2/NDF:18.8/7

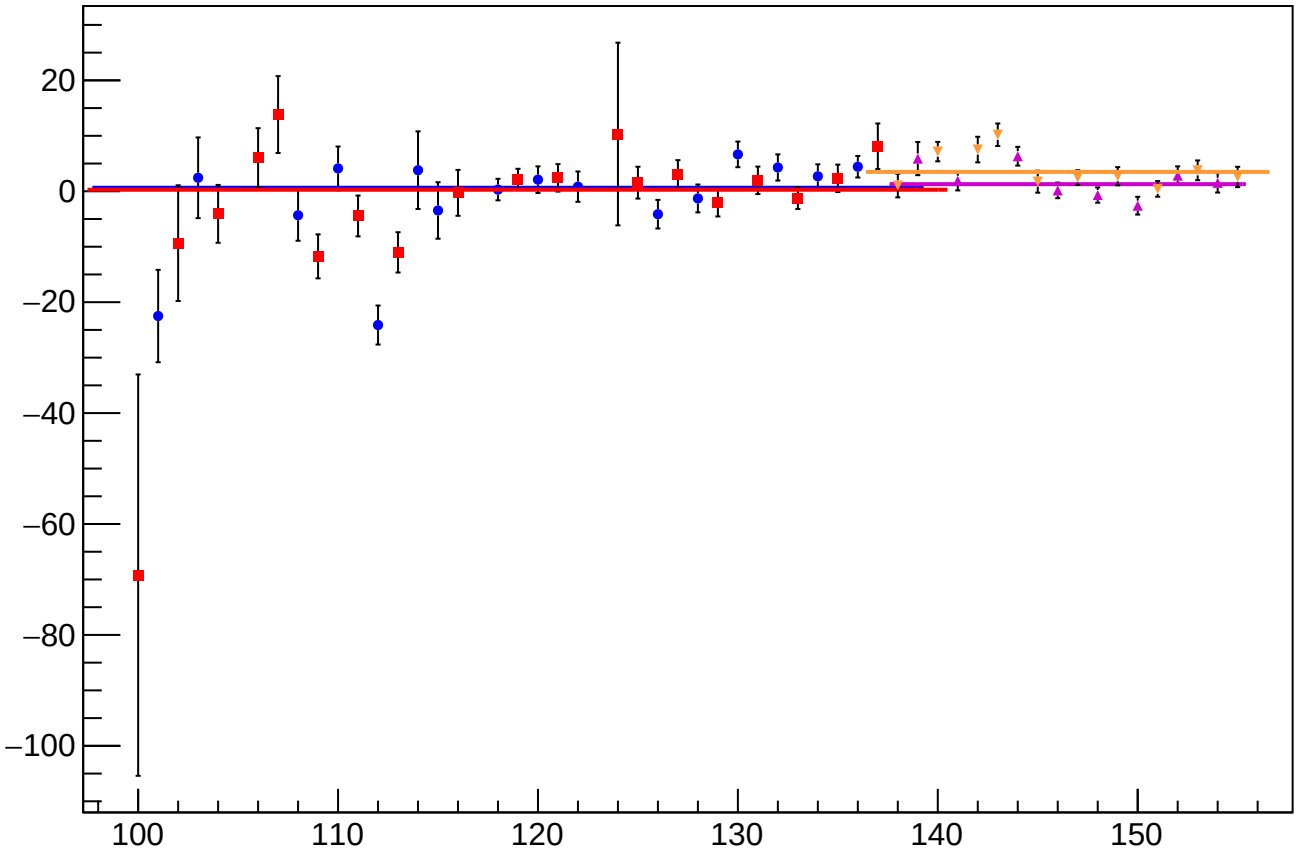
Left: 33.554+/-0.477 χ^2/NDF: 1701.8/17

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 34.716+/-0.492 χ^2/NDF:2151.5/23

Out: 32.178+/-0.485 χ^2/NDF:4536.9/28

All: 33.428+/-0.345 χ^2/NDF: 6701.9/52



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.491+/-0.552 χ^2/NDF:26.3/9

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 1.281+/-0.588 χ^2/NDF:20.8/7

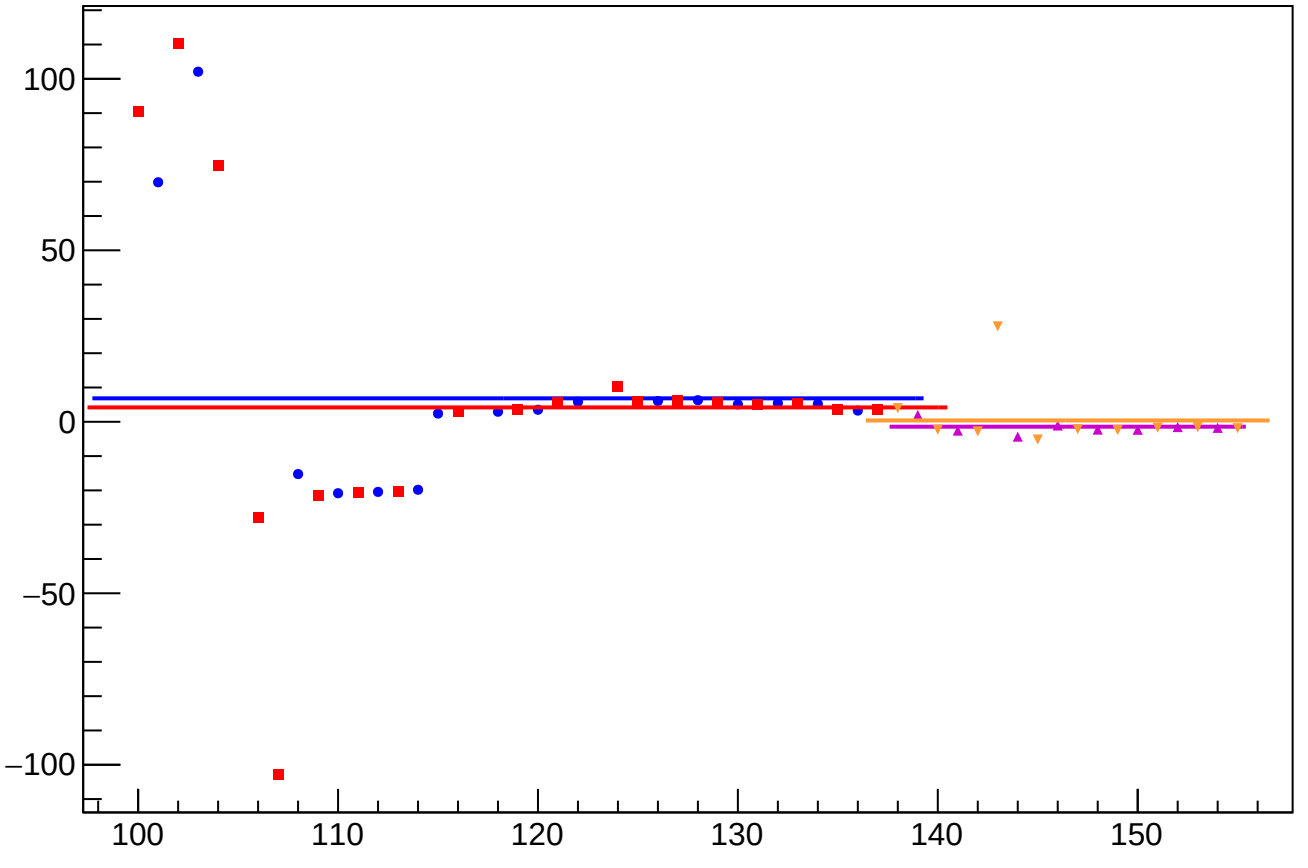
Left: 2.455+/-0.402 χ^2/NDF: 54.5/17

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.015+/-0.451 χ^2/NDF:99.7/23

Out: 2.312+/-0.439 χ^2/NDF:79.2/28

All: 1.681+/-0.315 χ^2/NDF: 183.1/52



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.389+/-0.026 χ^2/NDF:87346.5/9

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -1.429+/-0.027 χ^2/NDF:4355.5/7

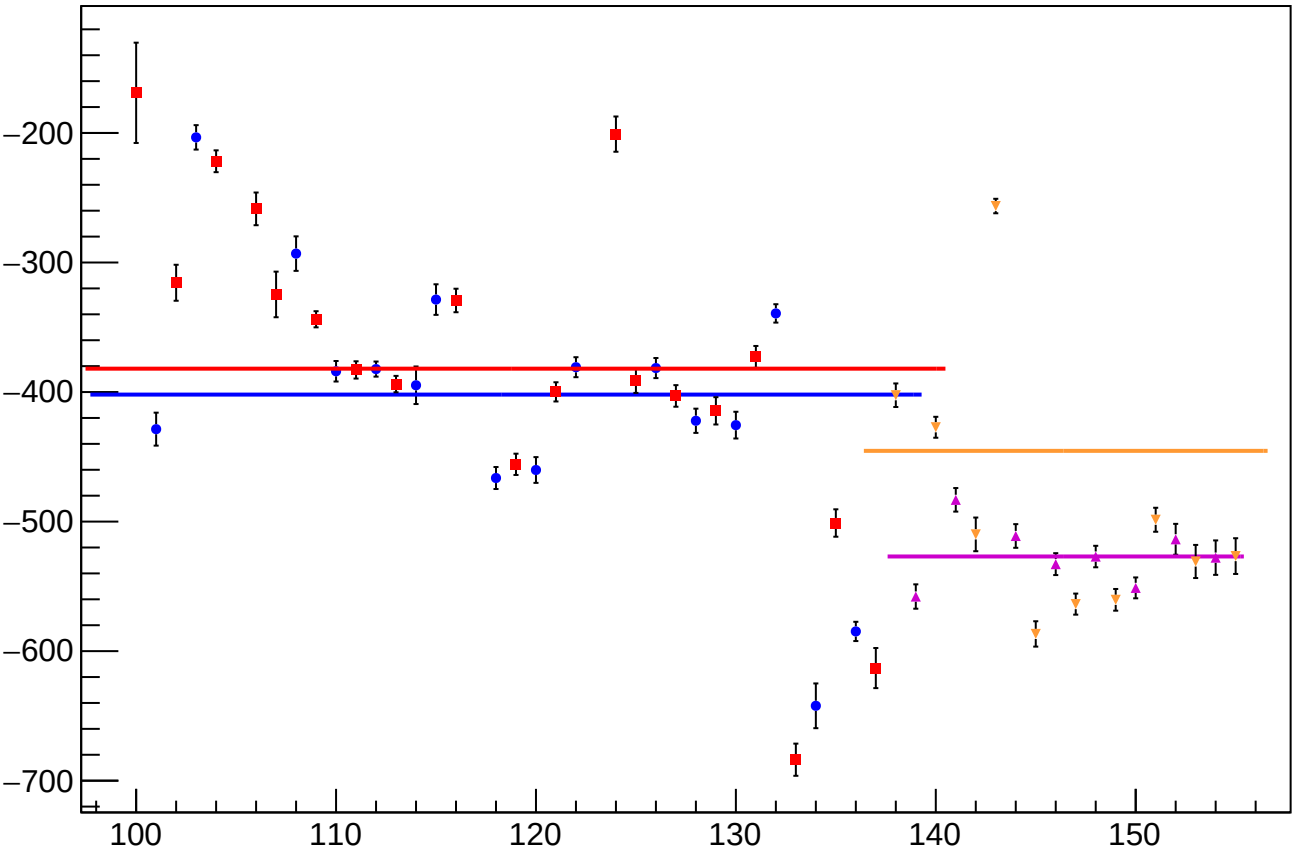
Left: -0.488+/-0.019 χ^2/NDF: 94062.5/17

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.910+/-0.023 χ^2/NDF:352004.0/23

Out: 1.300+/-0.023 χ^2/NDF:527018.6/28

All: 1.106+/-0.016 χ^2/NDF: 879169.9/52



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -445.393+/-2.793 χ^2/NDF:1917.3/9

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -526.924+/-3.296 χ^2/NDF:47.7/7

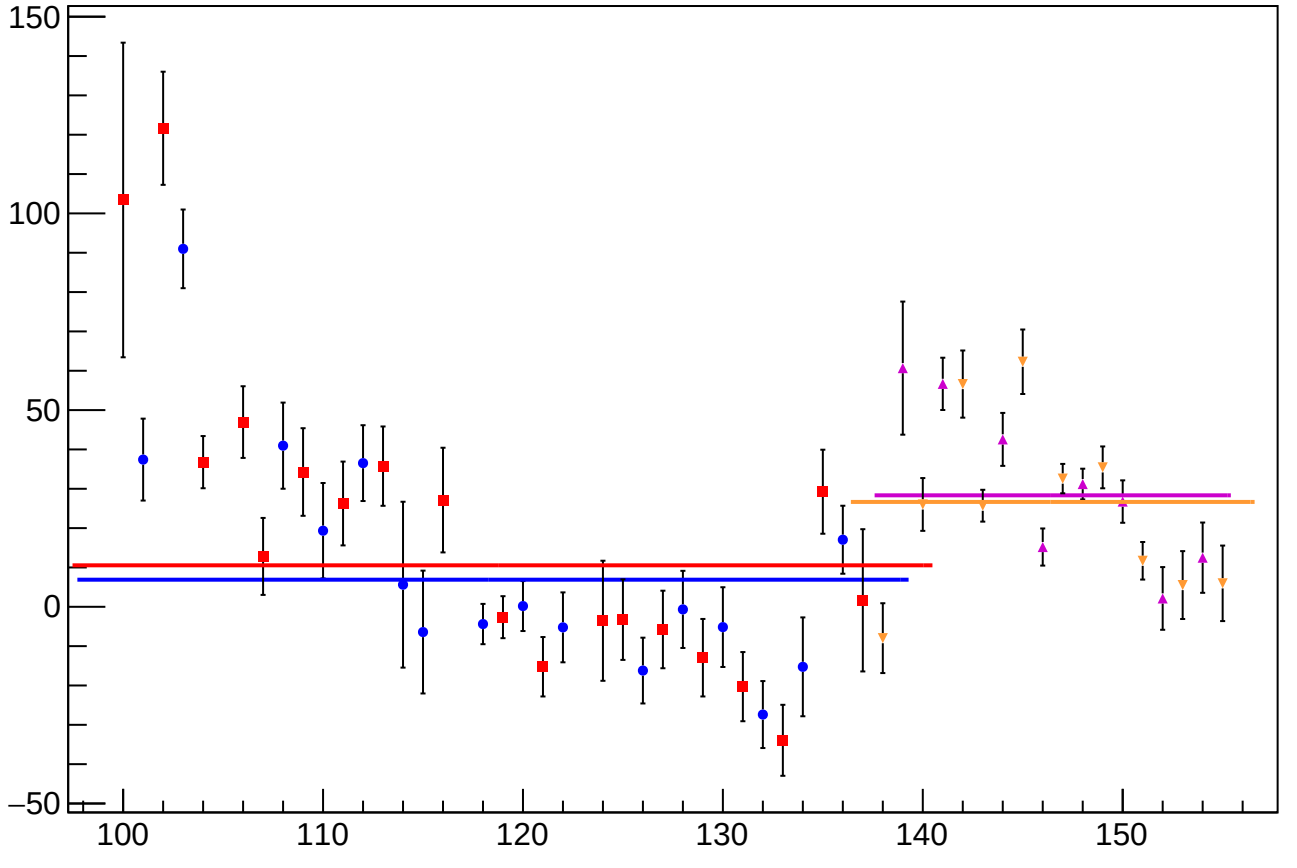
Left: -479.463+/-2.131 χ^2/NDF: 2321.2/17

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -441.343+/-1.850 χ^2/NDF:2595.3/23

Out: -405.203+/-1.691 χ^2/NDF:4061.6/28

All: -421.647+/-1.248 χ^2/NDF: 6864.8/52



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 26.658+/-1.826 χ^2/NDF:72.2/9

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 28.337+/-2.125 χ^2/NDF:48.7/7

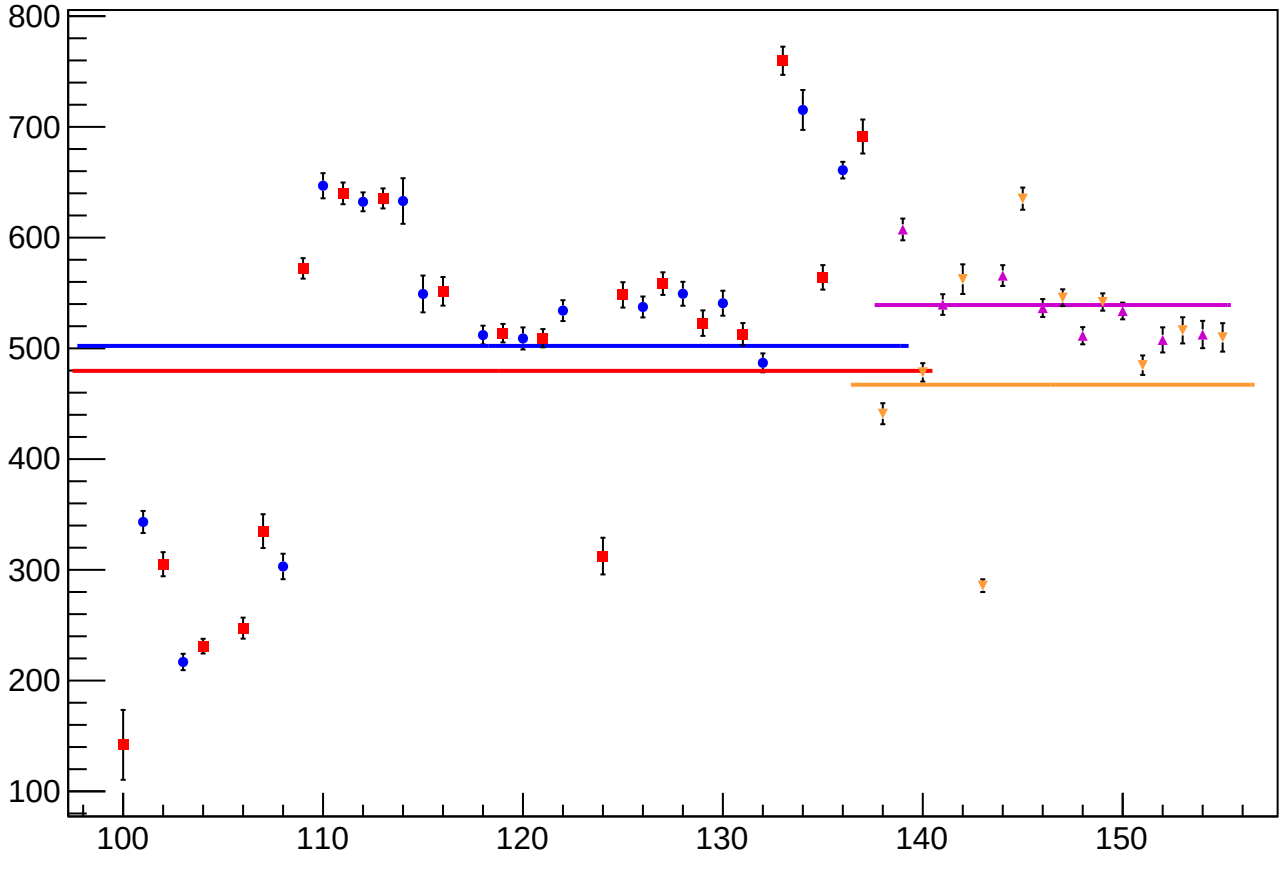
Left: 27.371+/-1.385 χ^2/NDF: 121.2/17

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 18.292+/-1.550 χ^2/NDF:234.8/23

Out: 20.072+/-1.404 χ^2/NDF:284.1/28

All: 19.269+/-1.041 χ^2/NDF: 519.6/52



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 467.172+/-2.760 χ^2/NDF:1569.9/9

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 539.129+/-3.209 χ^2/NDF:82.2/7

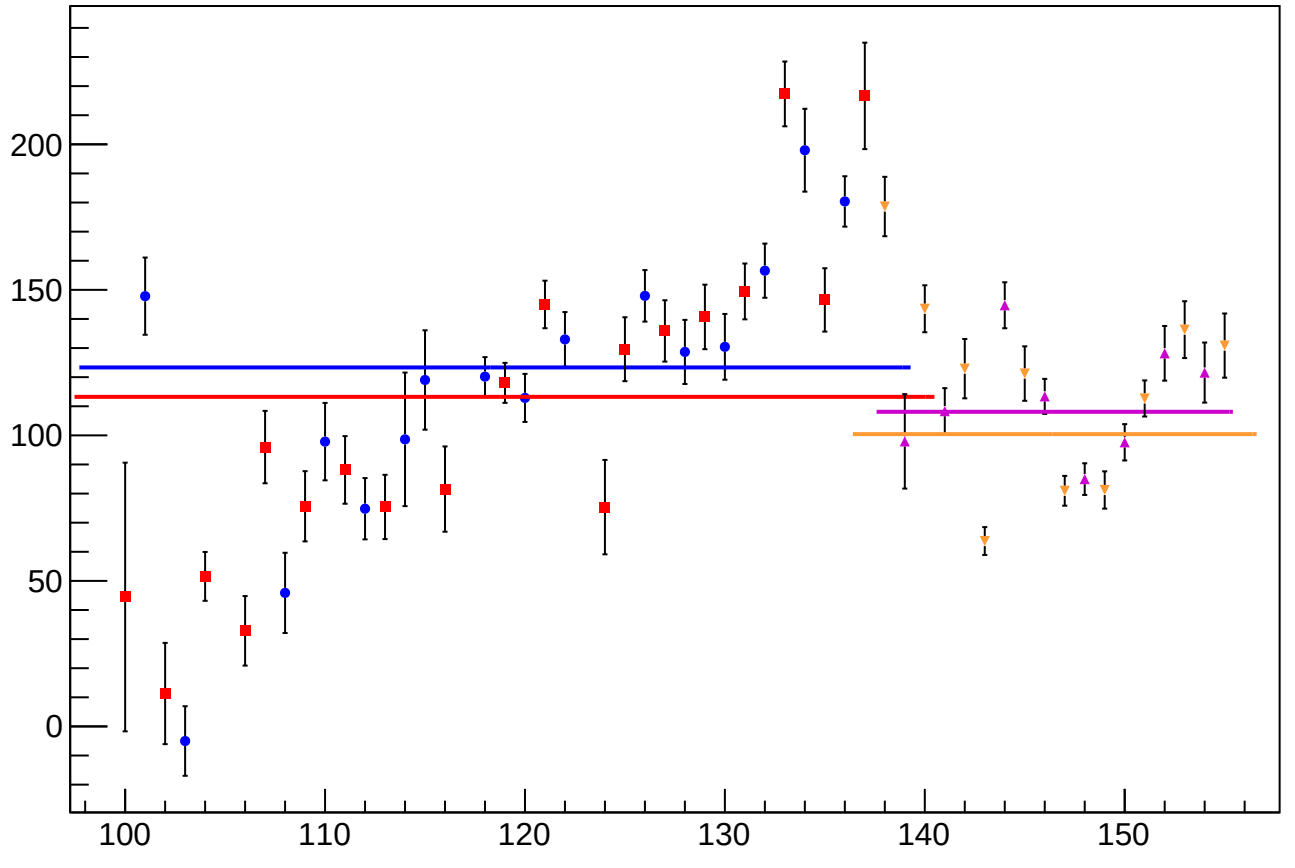
Left: 497.763+/-2.092 χ^2/NDF: 1941.1/17

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 516.106+/-1.969 χ^2/NDF:3299.9/23

Out: 474.295+/-1.811 χ^2/NDF:5720.1/28

All: 493.455+/-1.333 χ^2/NDF: 9264.4/52



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 100.431+/-2.254 χ^2/NDF:204.3/9

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 108.102+/-2.637 χ^2/NDF:49.9/7

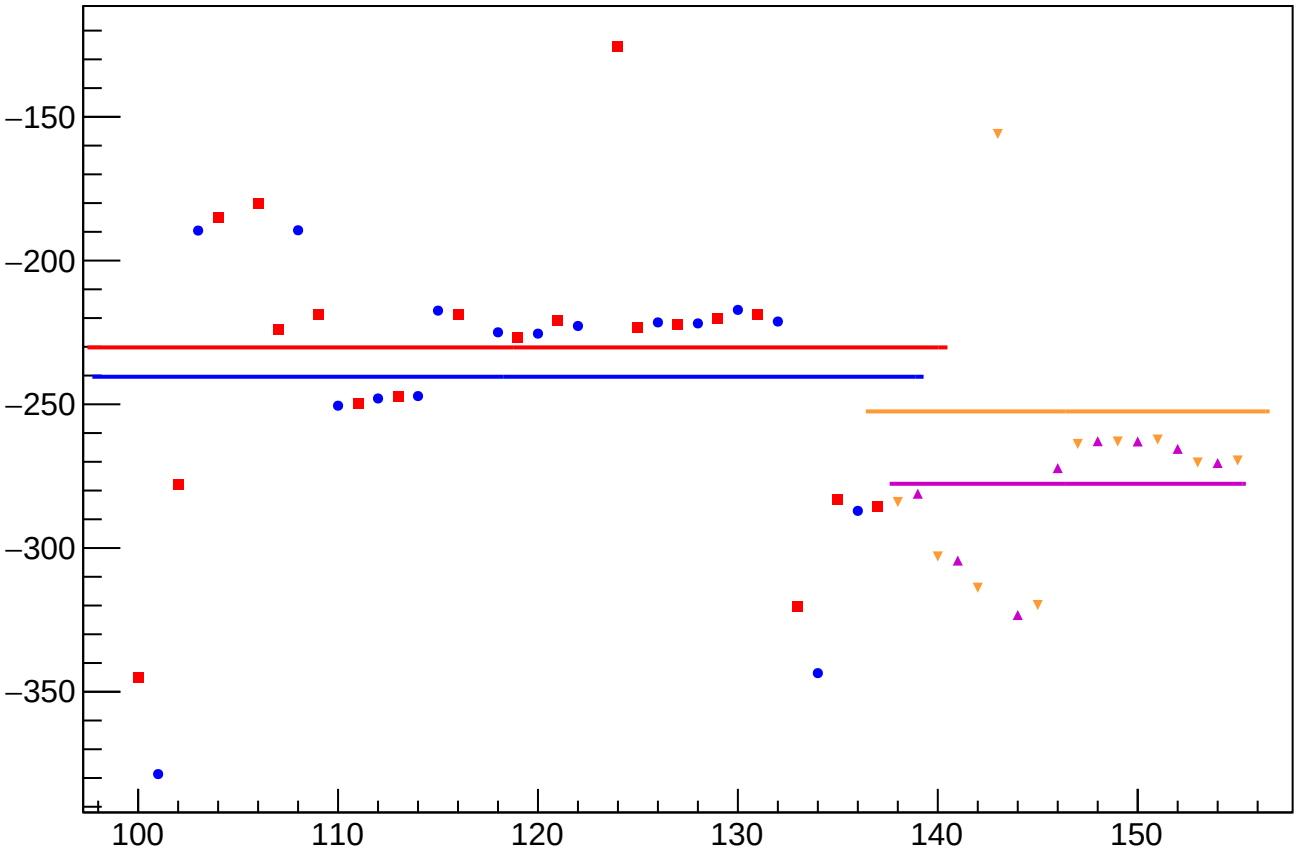
Left: 103.669+/-1.714 χ^2/NDF: 259.1/17

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 115.753+/-1.861 χ^2/NDF:338.0/23

Out: 106.060+/-1.687 χ^2/NDF:564.3/28

All: 110.433+/-1.250 χ^2/NDF: 917.1/52



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -252.474+/-0.113 χ^2/NDF:235553.5/9

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -277.648+/-0.128 χ^2/NDF:22688.9/7

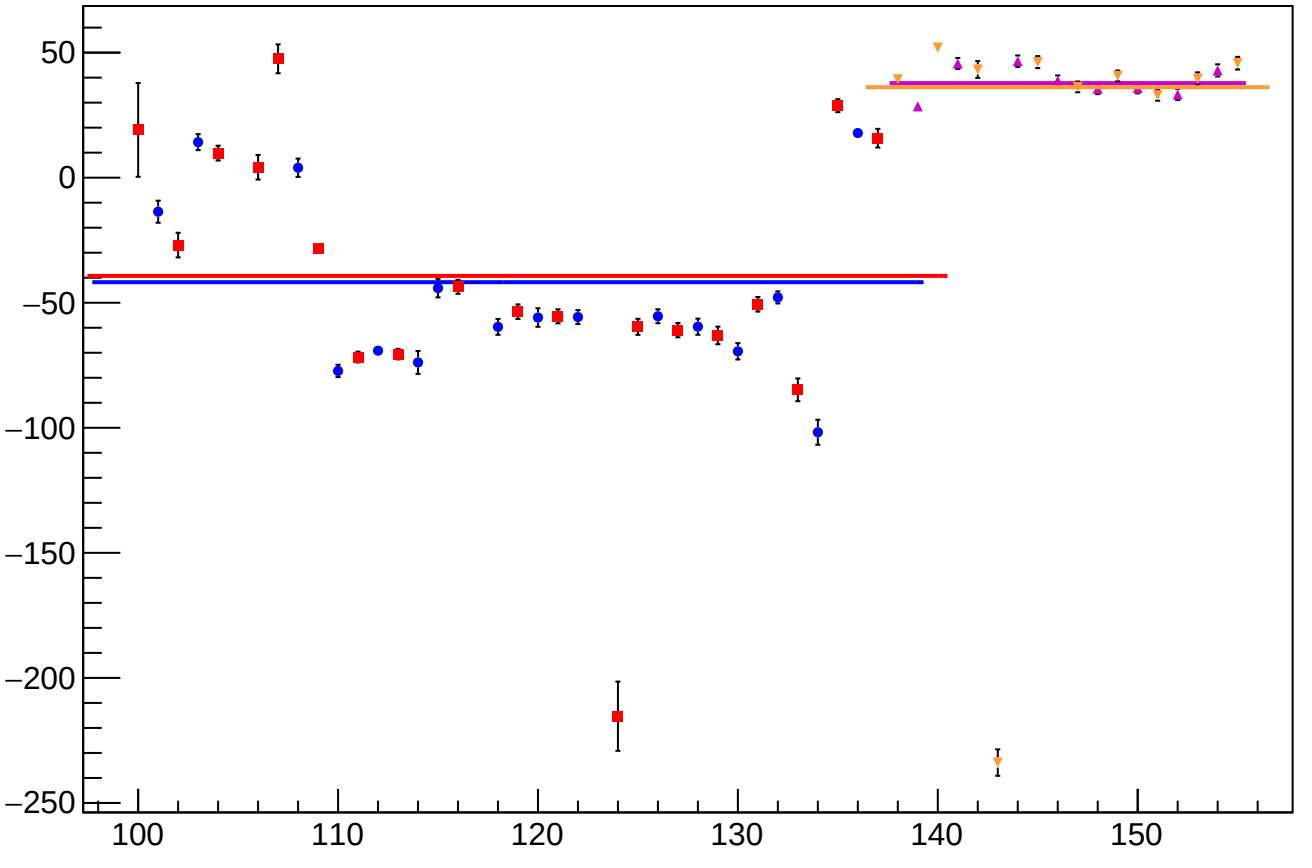
Left: -263.503+/-0.084 χ^2/NDF: 280133.8/17

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -262.098+/-0.097 χ^2/NDF:192438.8/23

Out: -244.202+/-0.089 χ^2/NDF:333505.6/28

All: -252.380+/-0.066 χ^2/NDF: 544302.1/52



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 36.180+/-0.750 χ^2/NDF:2718.3/9

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 37.814+/-0.764 χ^2/NDF:61.2/7

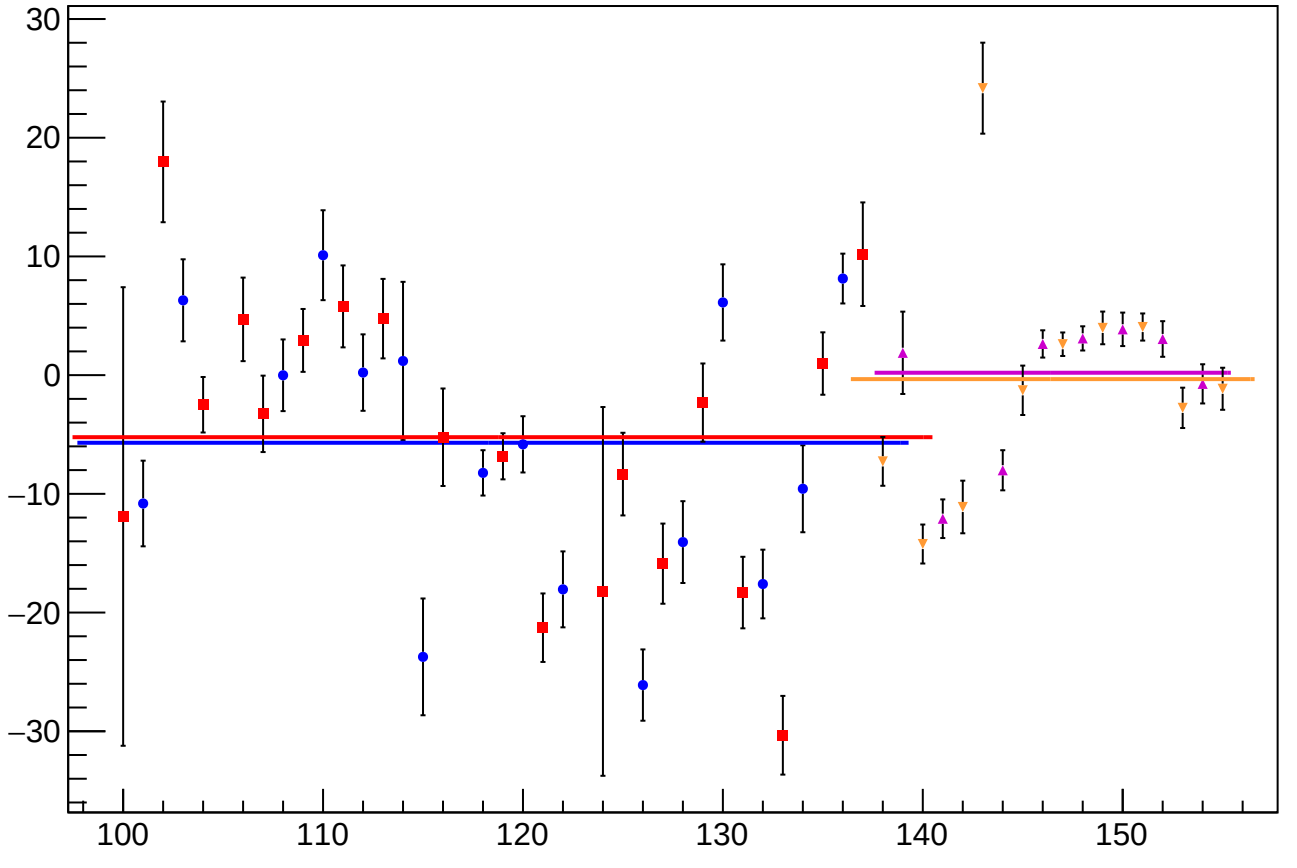
Left: 36.982+/-0.535 χ^2/NDF: 2781.8/17

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: -4.162+/-0.525 χ^2/NDF:8194.4/23

Out: -5.241+/-0.504 χ^2/NDF:10753.3/28

All: -4.724+/-0.363 χ^2/NDF: 18950.0/52



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.336+/-0.495 χ^2/NDF:183.3/9

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: 0.202+/-0.510 χ^2/NDF:104.1/7

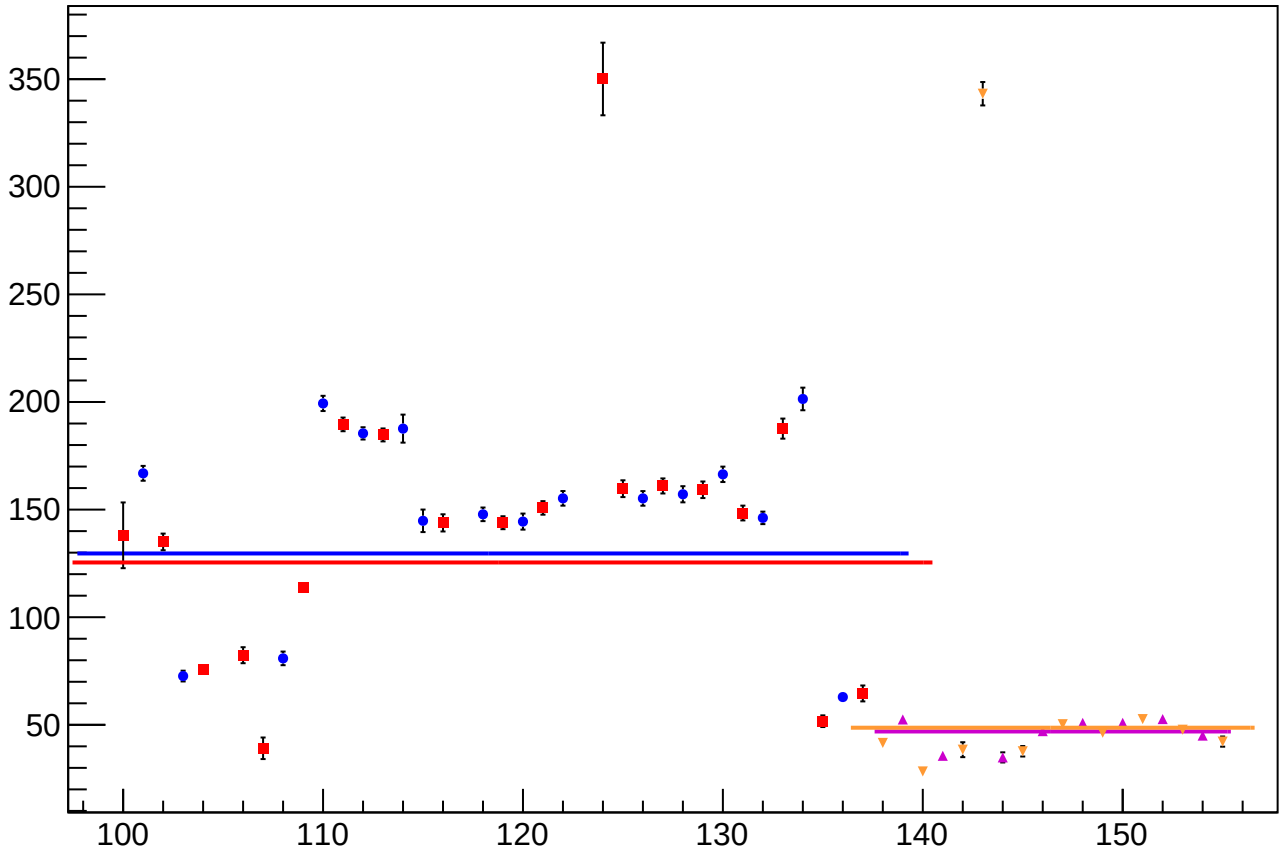
Left: -0.075+/-0.355 χ^2/NDF: 288.0/17

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -1.653+/-0.422 χ^2/NDF:342.9/23

Out: -1.846+/-0.411 χ^2/NDF:410.8/28

All: -1.752+/-0.295 χ^2/NDF: 753.8/52



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 48.658+/-0.732 χ^2/NDF:3088.5/9

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 46.907+/-0.745 χ^2/NDF:74.9/7

Left: 47.797+/-0.522 χ^2/NDF: 3166.2/17

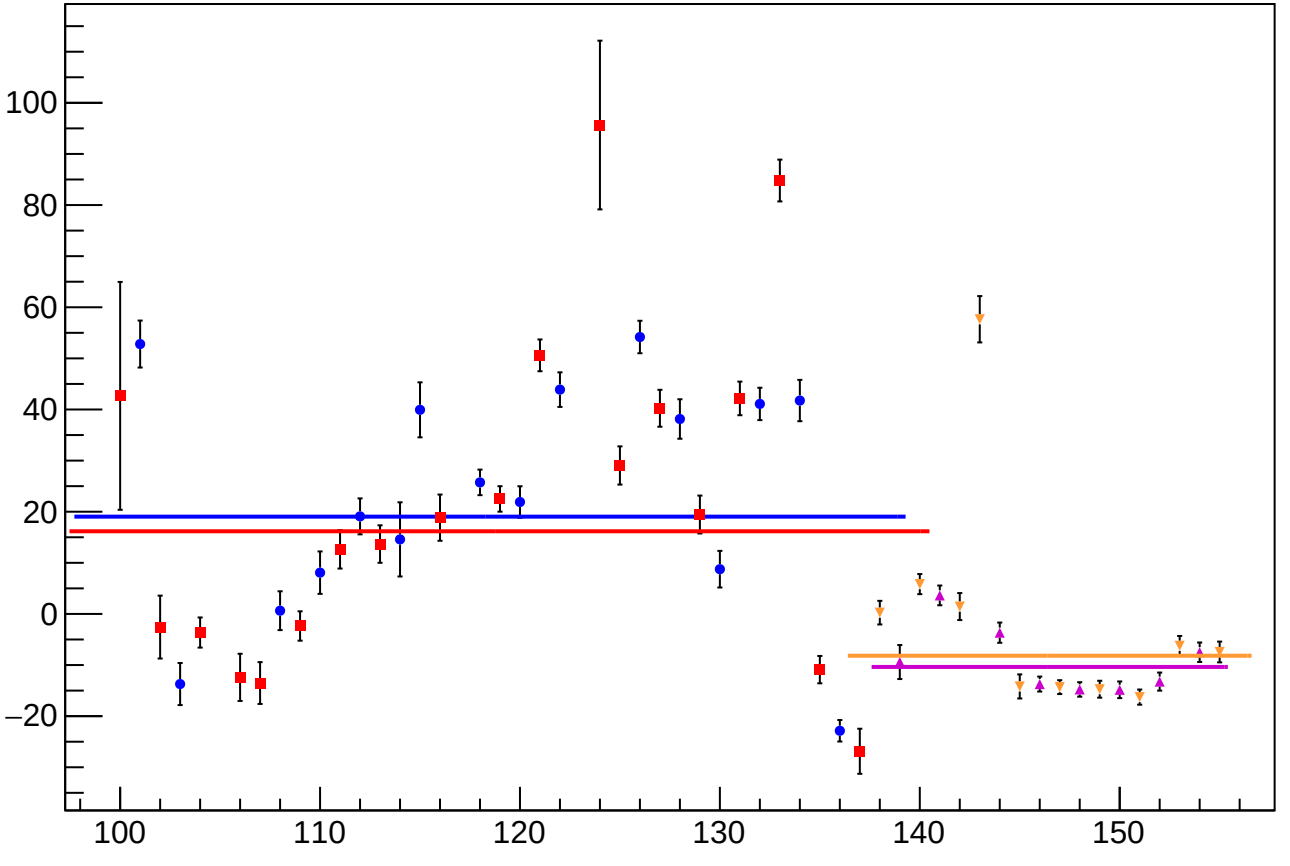
Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 85.269+/-0.545 χ^2/NDF:9422.4/23

Out: 84.152+/-0.537 χ^2/NDF:11672.8/28

All: 84.702+/-0.383 χ^2/NDF: 21097.3/52

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -8.177+/-0.609 χ^2/NDF:361.8/9

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -10.371+/-0.626 χ^2/NDF:91.5/7

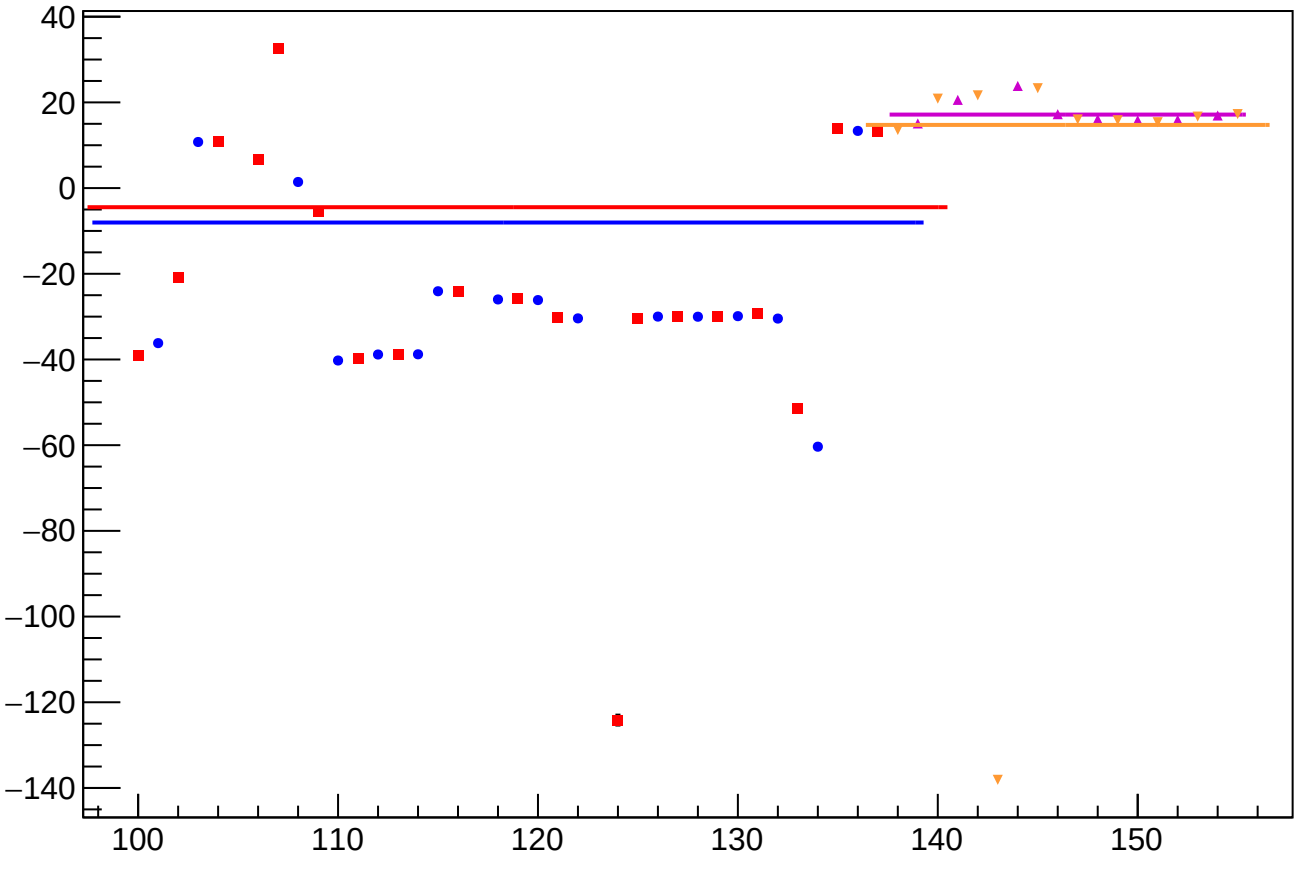
Left: -9.244+/-0.437 χ^2/NDF: 459.6/17

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -0.180+/-0.506 χ^2/NDF:1713.7/23

Out: 0.138+/-0.494 χ^2/NDF:1848.7/28

All: -0.017+/-0.354 χ^2/NDF: 3562.6/52



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 14.743+/-0.029 χ^2/NDF:472623.6/9

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 17.153+/-0.029 χ^2/NDF:6948.5/7

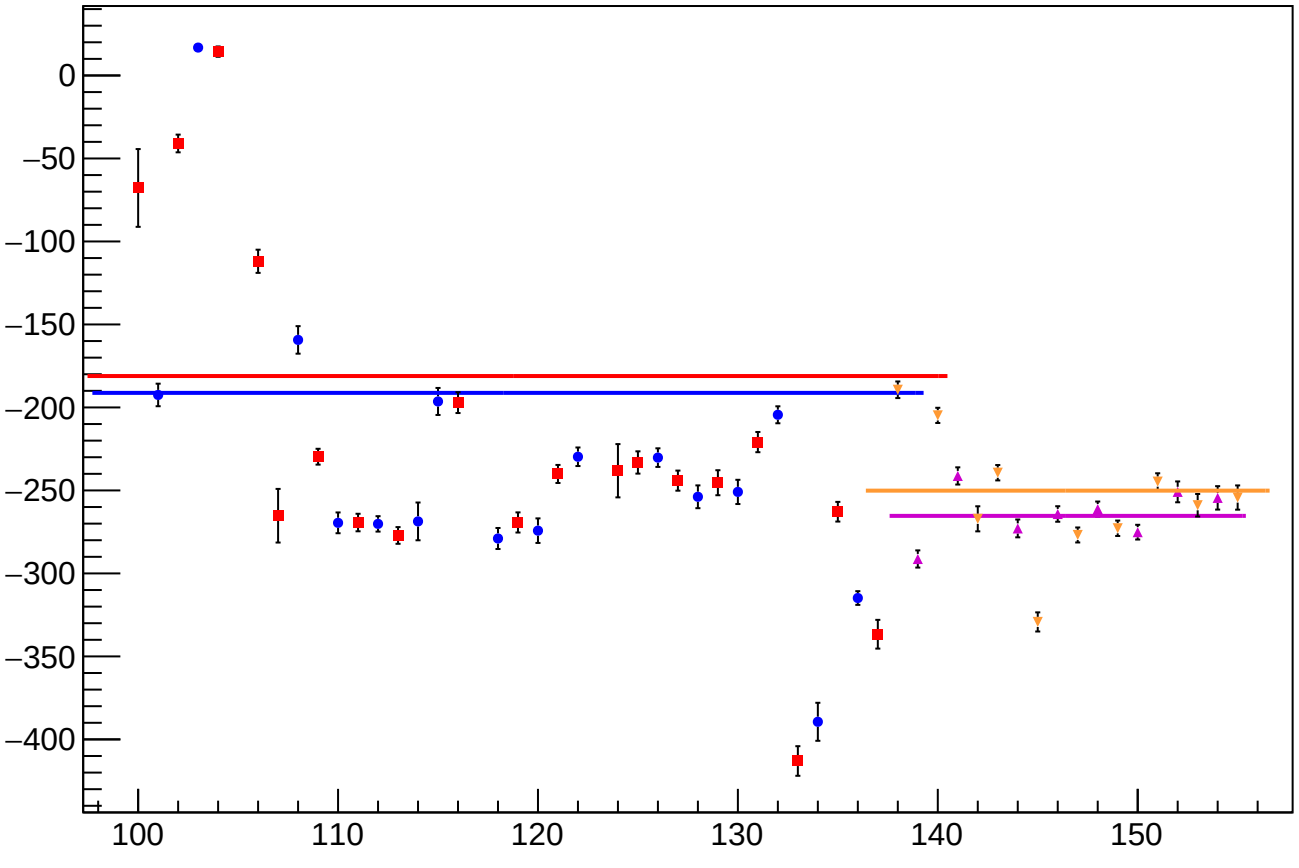
Left: 15.946+/-0.020 χ^2/NDF: 483042.8/17

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 9.967+/-0.024 χ^2/NDF:490794.0/23

Out: 9.441+/-0.025 χ^2/NDF:822941.6/28

All: 9.705+/-0.017 χ^2/NDF: 1313965.7/52



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -250.127+/-1.673 χ^2/NDF:506.3/9

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -265.331+/-1.828 χ^2/NDF:62.1/7

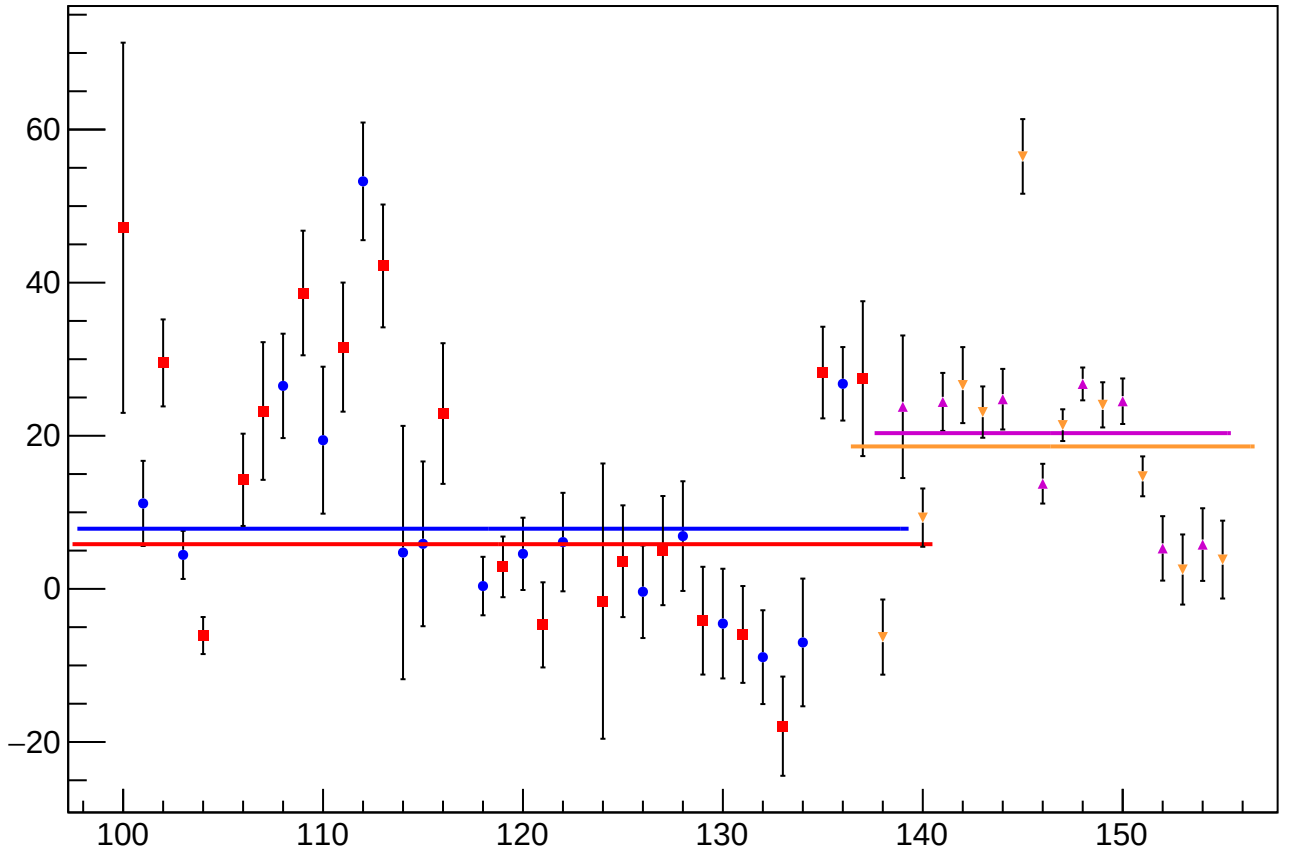
Left: -257.058+/-1.234 χ^2/NDF: 606.0/17

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -219.077+/-1.121 χ^2/NDF:8312.4/23

Out: -209.092+/-1.066 χ^2/NDF:8892.2/28

All: -213.834+/-0.772 χ^2/NDF: 17246.3/52



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 18.607+/-1.076 χ^2/NDF:124.7/9

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 20.344+/-1.174 χ^2/NDF:42.2/7

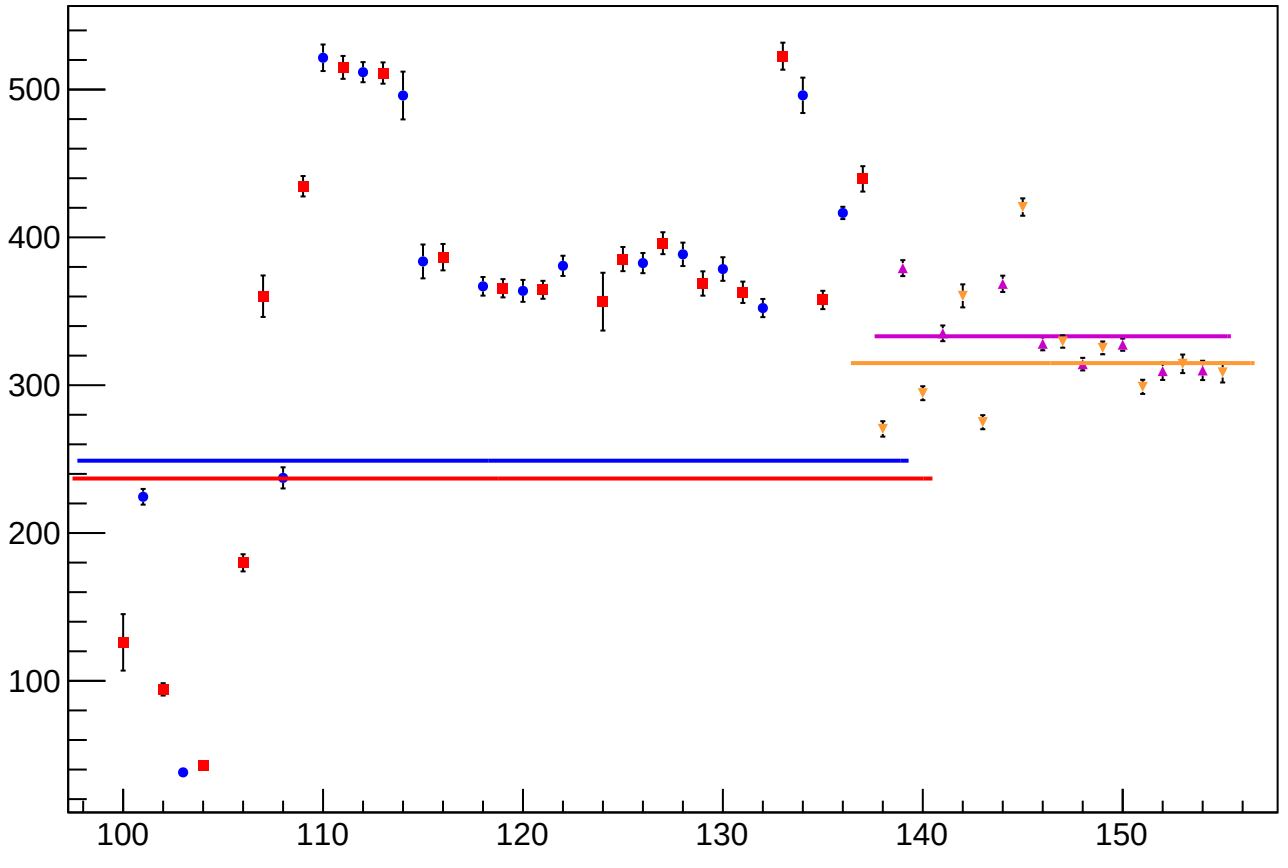
Left: 19.400+/-0.793 χ^2/NDF: 168.1/17

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 15.348+/-0.910 χ^2/NDF:168.3/23

Out: 13.669+/-0.843 χ^2/NDF:321.0/28

All: 14.445+/-0.618 χ^2/NDF: 491.1/52



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 314.955+/-1.641 χ^2/NDF:547.5/9

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 333.090+/-1.777 χ^2/NDF:164.7/7

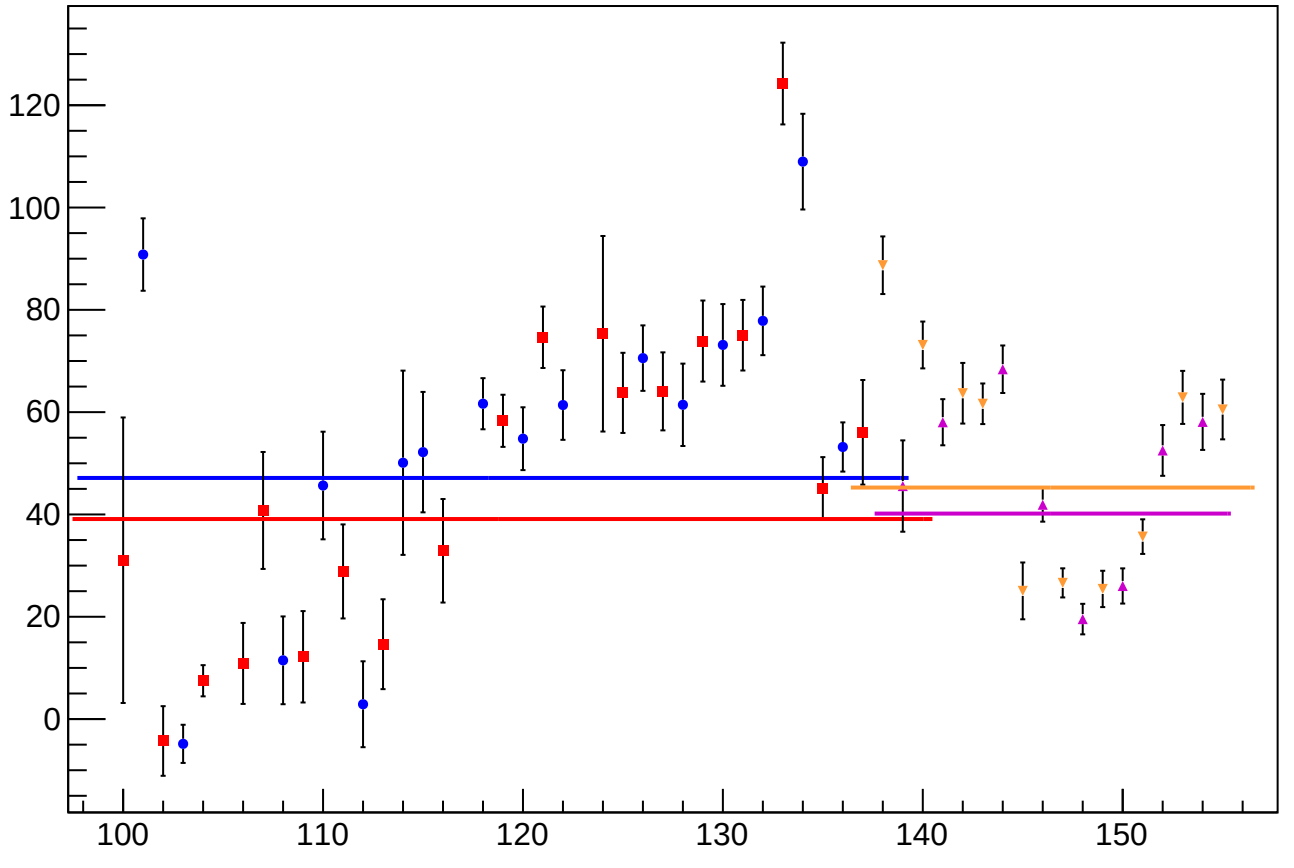
Left: 323.302+/-1.205 χ^2/NDF: 768.4/17

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 281.783+/-1.110 χ^2/NDF:16834.7/23

Out: 269.951+/-1.068 χ^2/NDF:17510.2/28

All: 275.638+/-0.770 χ^2/NDF: 34403.9/52



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 45.260+/-1.336 χ^2/NDF:237.0/9

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 40.171+/-1.459 χ^2/NDF:134.8/7

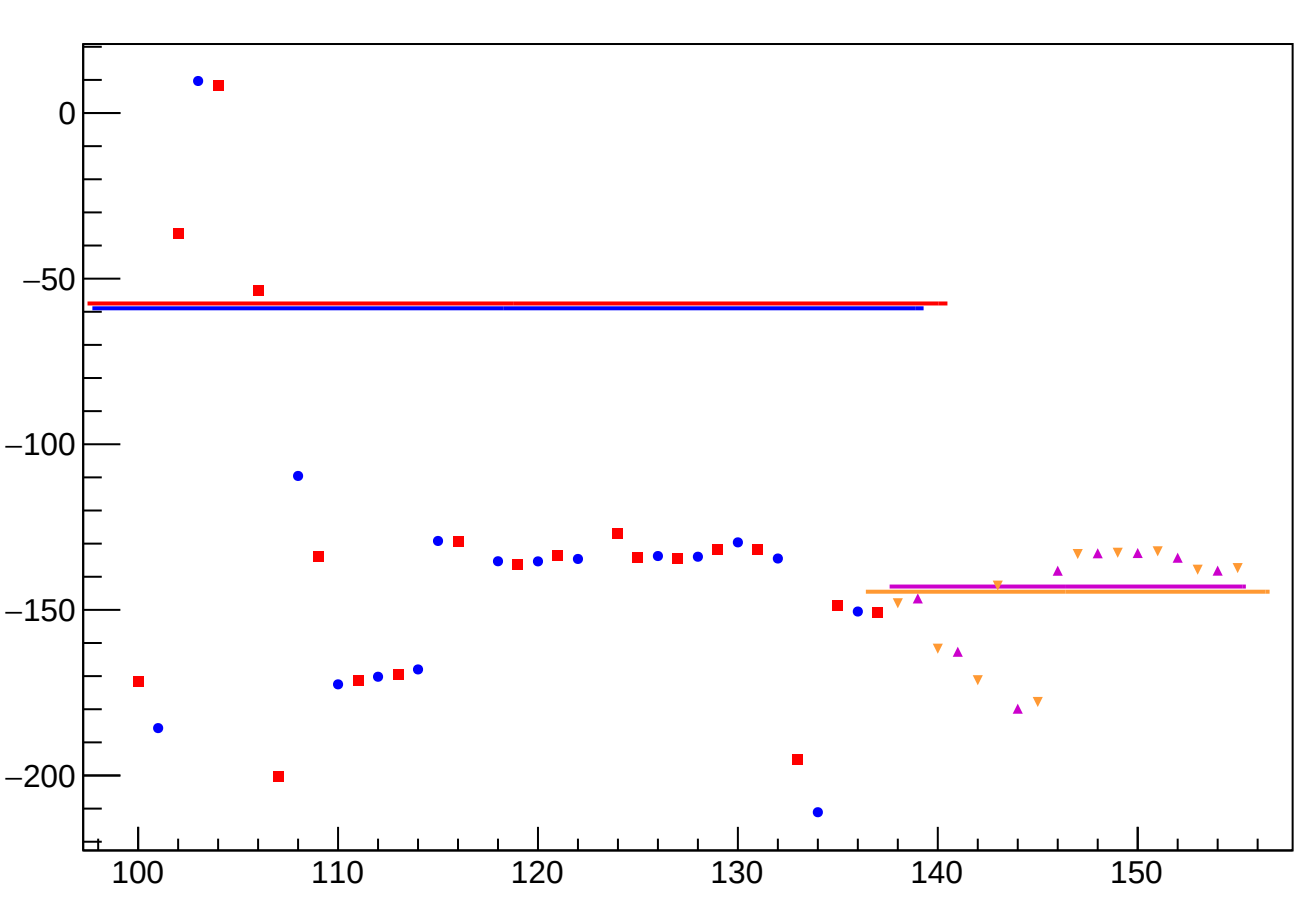
Left: 42.938+/-0.985 χ^2/NDF: 378.4/17

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 43.190+/-1.098 χ^2/NDF:530.0/23

Out: 42.724+/-1.024 χ^2/NDF:662.2/28

All: 42.941+/-0.749 χ^2/NDF: 1192.3/52



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -144.516+/-0.067 χ^2/NDF:48339.5/9

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -142.956+/-0.070 χ^2/NDF:40362.0/7

Left: -143.779+/-0.048 χ^2/NDF: 88960.9/17

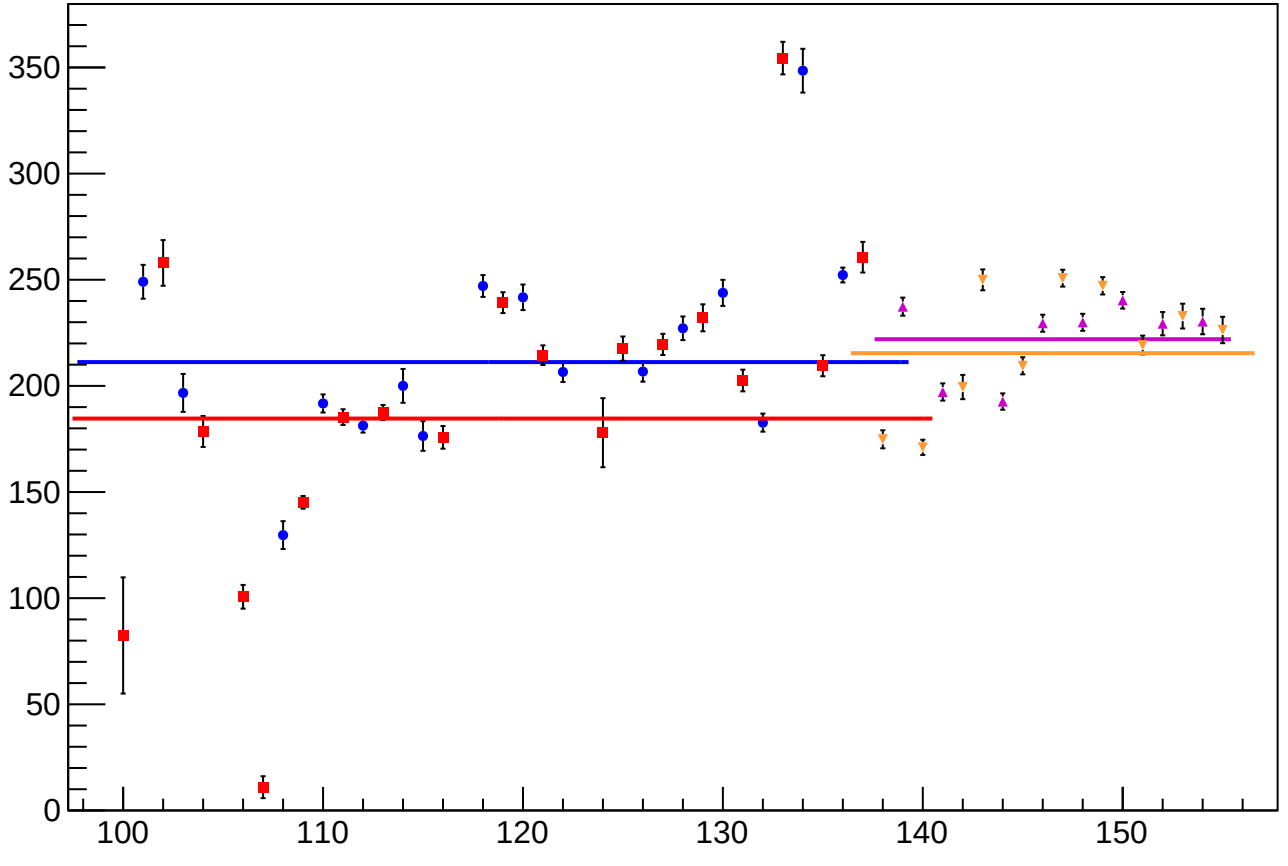
Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -102.294+/-0.051 χ^2/NDF:1957986.9/23

Out: -105.766+/-0.050 χ^2/NDF:1681302.5/28

All: -104.063+/-0.035 χ^2/NDF: 3641697.3/52

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 215.414+/-1.419 χ^2/NDF:456.0/9

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 221.980+/-1.518 χ^2/NDF:141.8/7

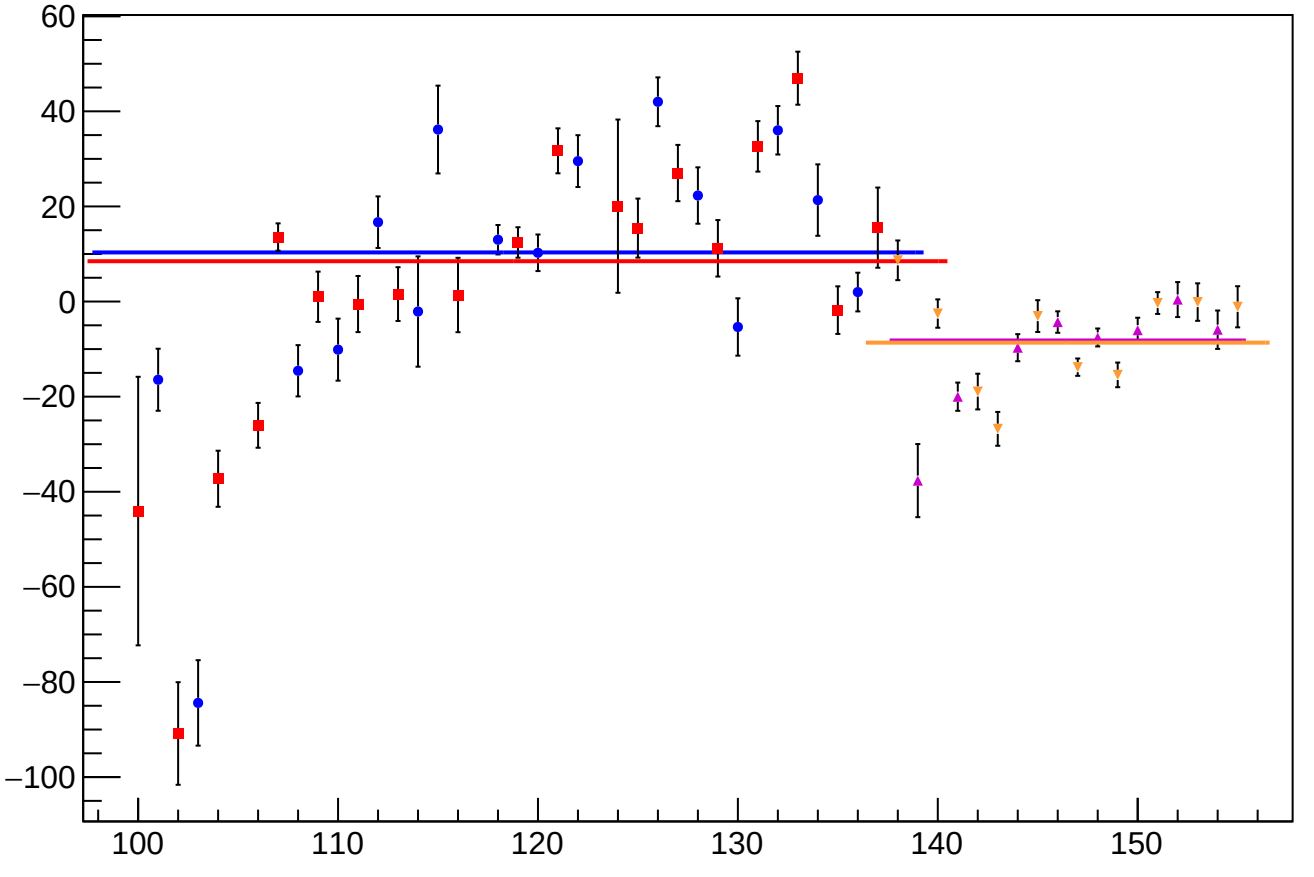
Left: 218.476+/-1.037 χ^2/NDF: 607.8/17

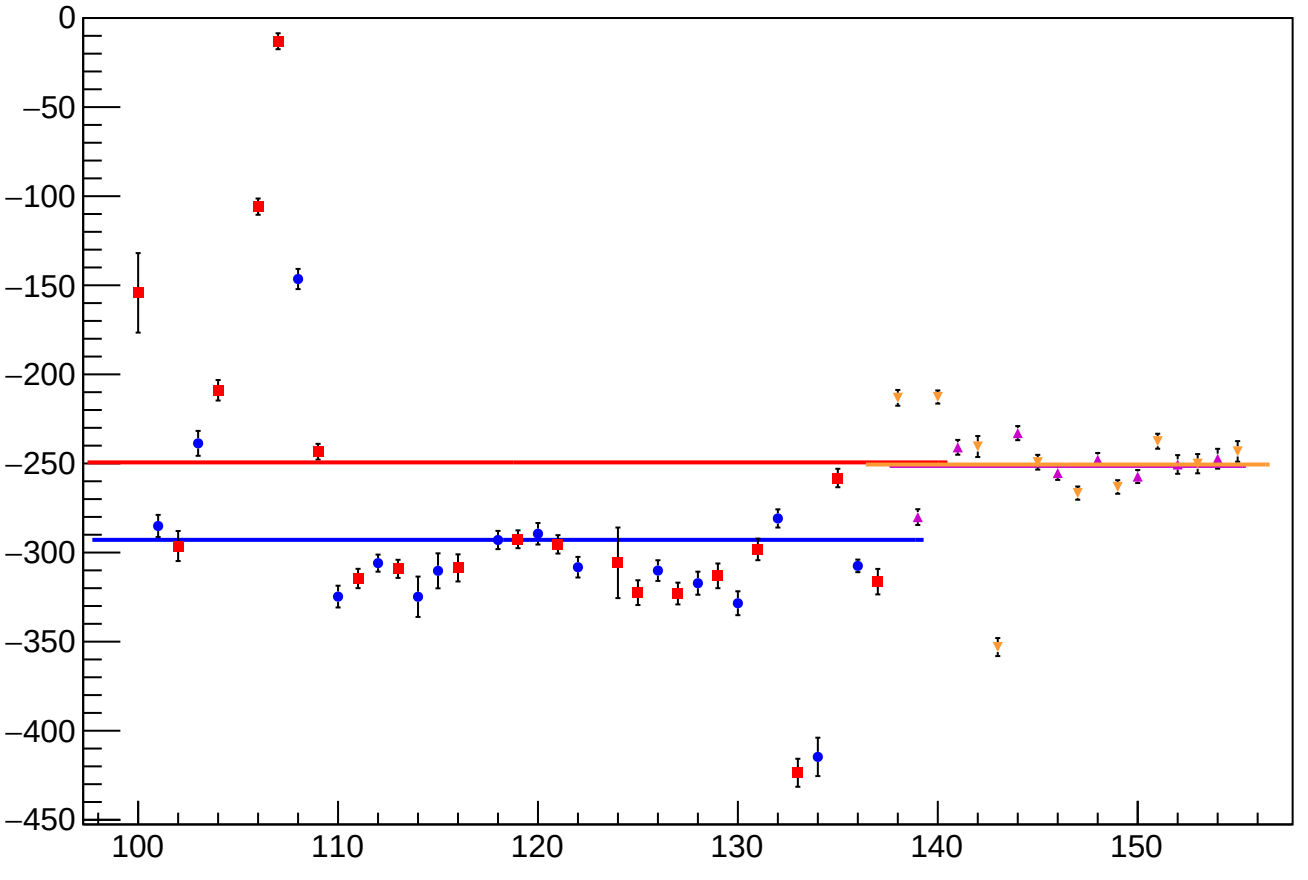
Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 215.749+/-0.986 χ^2/NDF:953.9/23

Out: 197.376+/-0.914 χ^2/NDF:3272.2/28

All: 205.868+/-0.670 χ^2/NDF: 4413.0/52


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: -8.642+/-0.926 χ²/NDF:93.4/9
Right Out: 8.480+/-1.225 χ²/NDF: 322.3/18
Left In: -8.188+/-0.994 χ²/NDF:40.4/7
Left: -8.431+/-0.678 χ²/NDF: 133.8/17
Right: 9.326+/-0.902 χ²/NDF: 586.7/34
In: -1.569+/-0.797 χ²/NDF:427.7/23
Out: -2.412+/-0.739 χ²/NDF:540.0/28
All: -2.022+/-0.542 χ²/NDF: 968.3/52



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -250.588+/-1.396 χ^2/NDF:630.5/9

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -251.374+/-1.483 χ^2/NDF:74.9/7

Left: -250.957+/-1.017 χ^2/NDF: 705.5/17

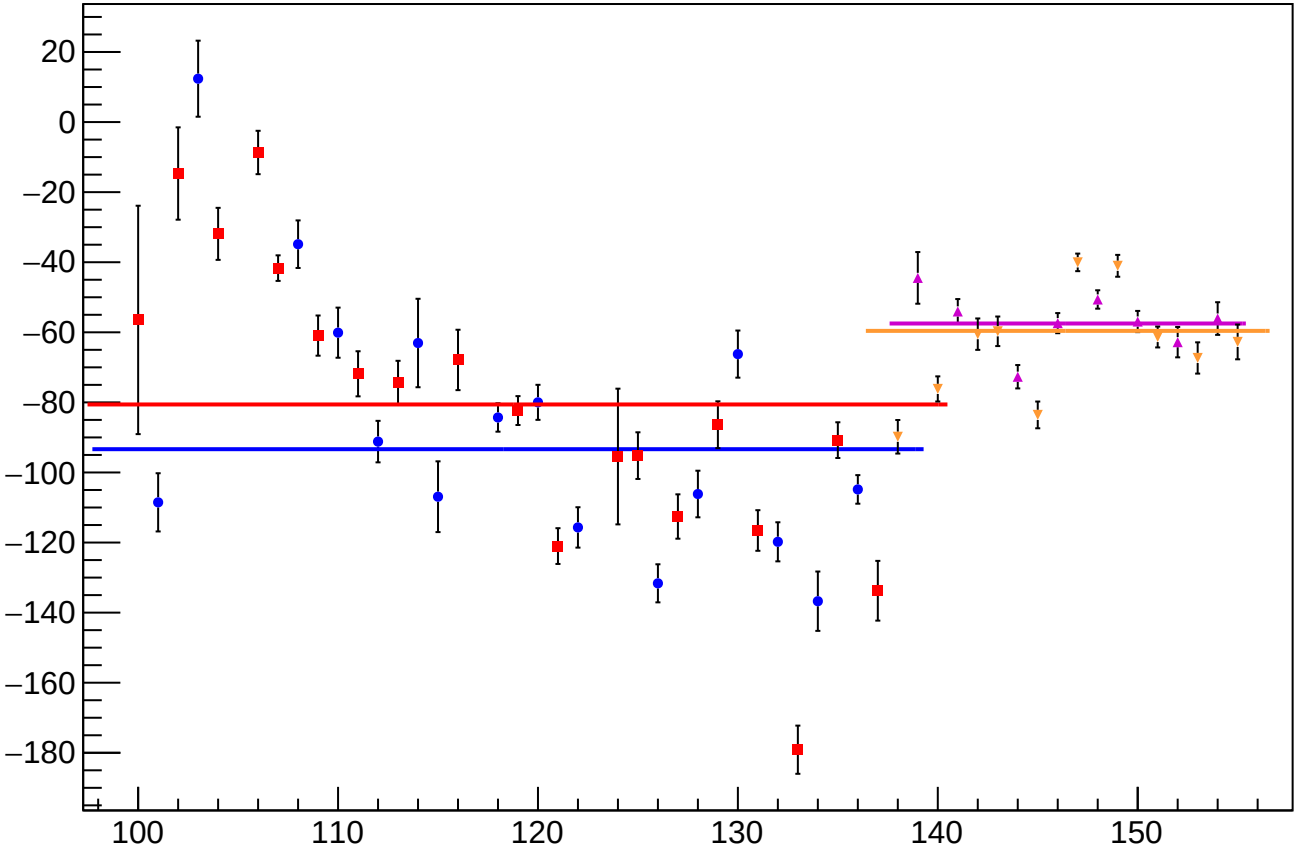
Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -272.343+/-1.043 χ^2/NDF:1454.0/23

Out: -249.986+/-0.977 χ^2/NDF:5999.3/28

All: -260.437+/-0.713 χ^2/NDF: 7697.9/52

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -59.592+/-1.146 χ^2/NDF:200.8/9

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -57.487+/-1.228 χ^2/NDF:33.3/7

Left: -58.612+/-0.838 χ^2/NDF: 235.6/17

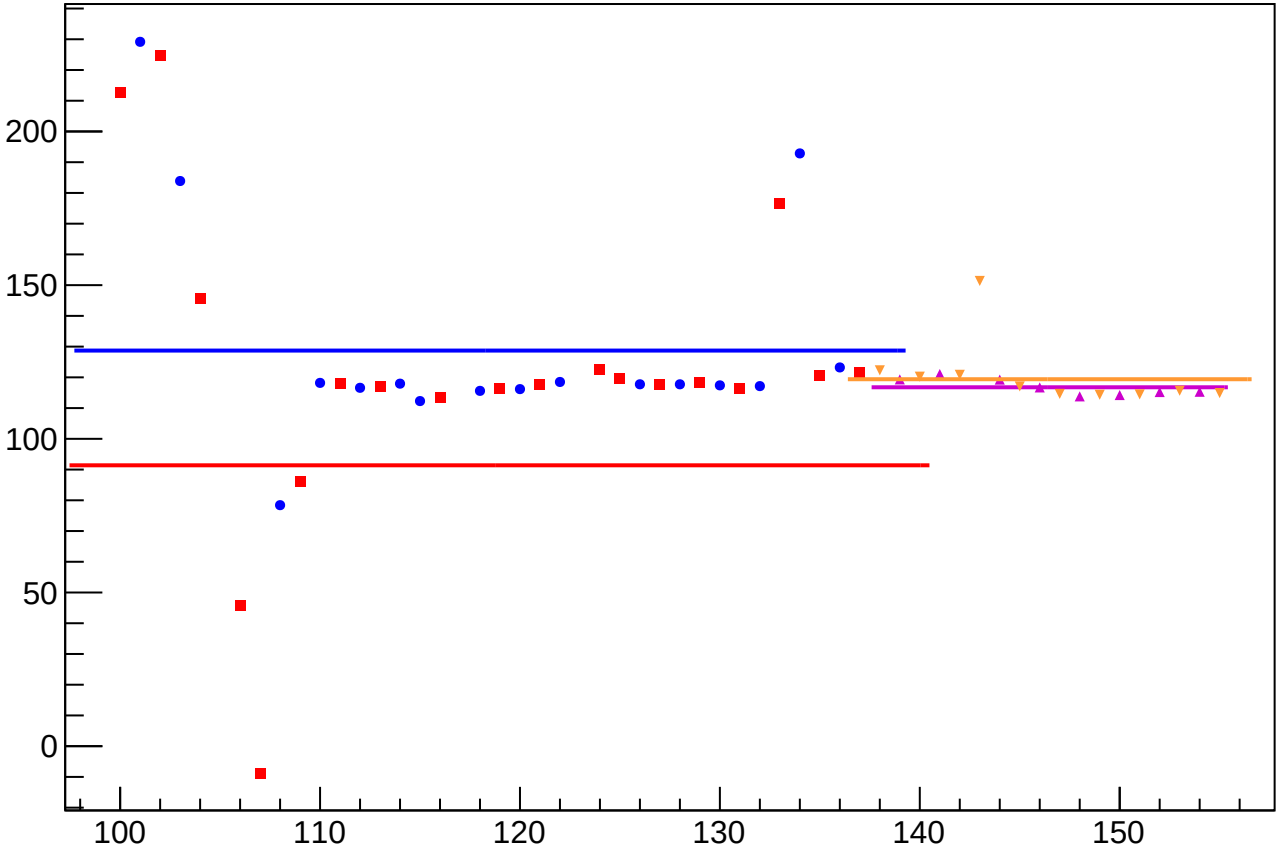
Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -71.494+/-0.959 χ^2/NDF:721.7/23

Out: -67.844+/-0.893 χ^2/NDF:1048.2/28

All: -69.539+/-0.653 χ^2/NDF: 1777.6/52

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 119.391+/-0.057 χ^2/NDF:27128.3/9

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.771+/-0.059 χ^2/NDF:1896.6/7

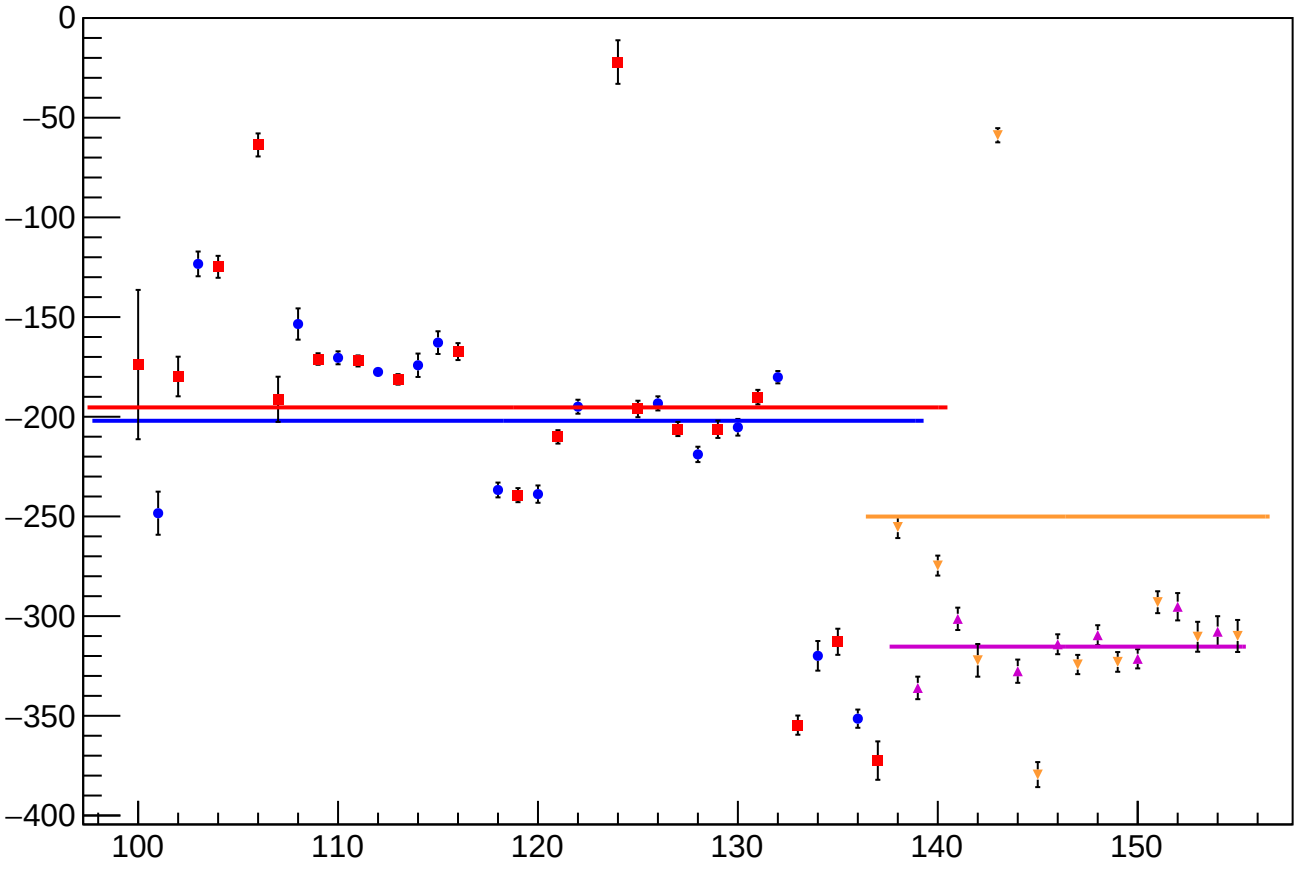
Left: 118.135+/-0.041 χ^2/NDF: 30053.9/17

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 120.405+/-0.049 χ^2/NDF:197912.3/23

Out: 109.909+/-0.046 χ^2/NDF:715041.4/28

All: 114.808+/-0.034 χ^2/NDF: 937252.1/52



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -250.054+/-1.709 χ^2/NDF:4051.7/9

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -315.308+/-1.984 χ^2/NDF:36.6/7

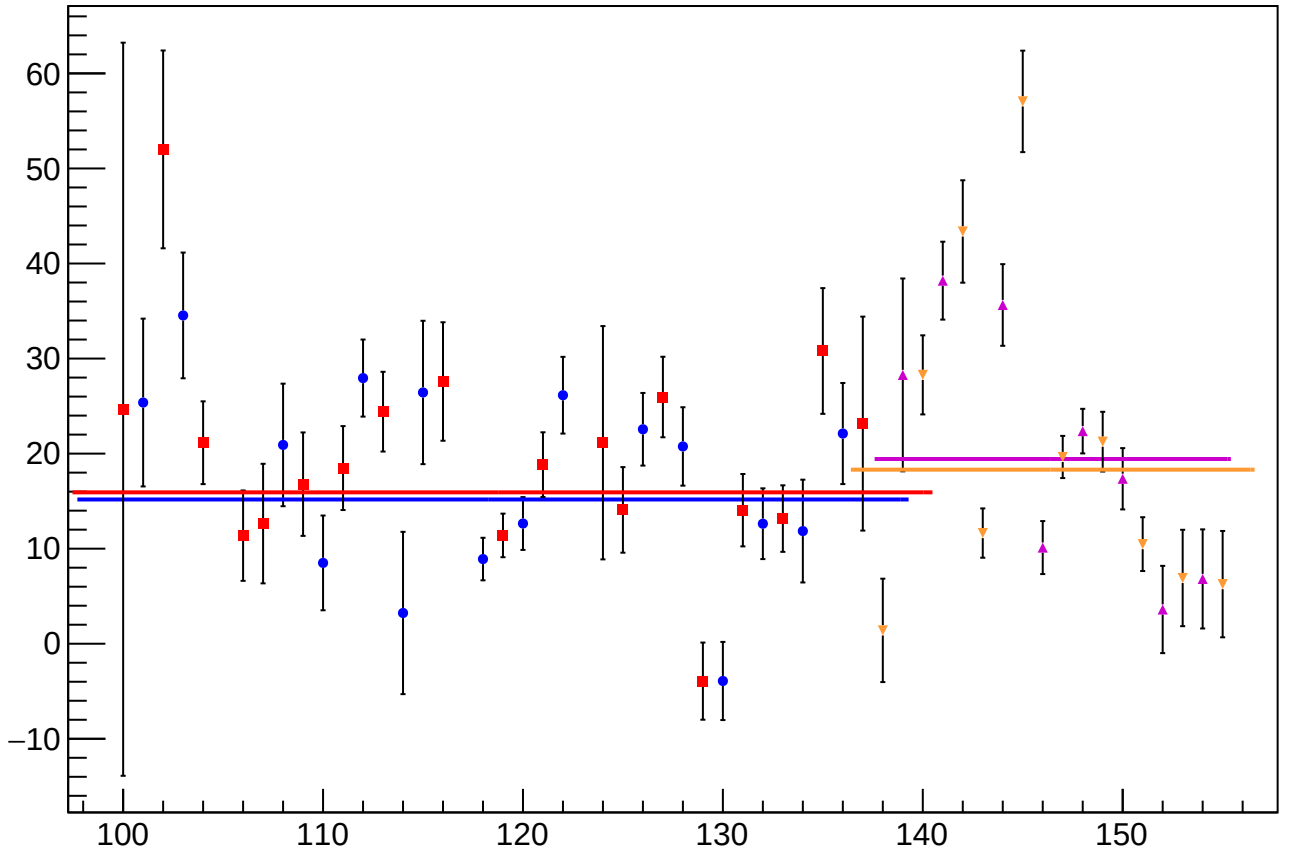
Left: -277.855+/-1.295 χ^2/NDF: 4709.2/17

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -225.855+/-0.910 χ^2/NDF:4651.7/23

Out: -208.732+/-0.846 χ^2/NDF:7926.7/28

All: -216.673+/-0.620 χ^2/NDF: 12768.3/52


reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
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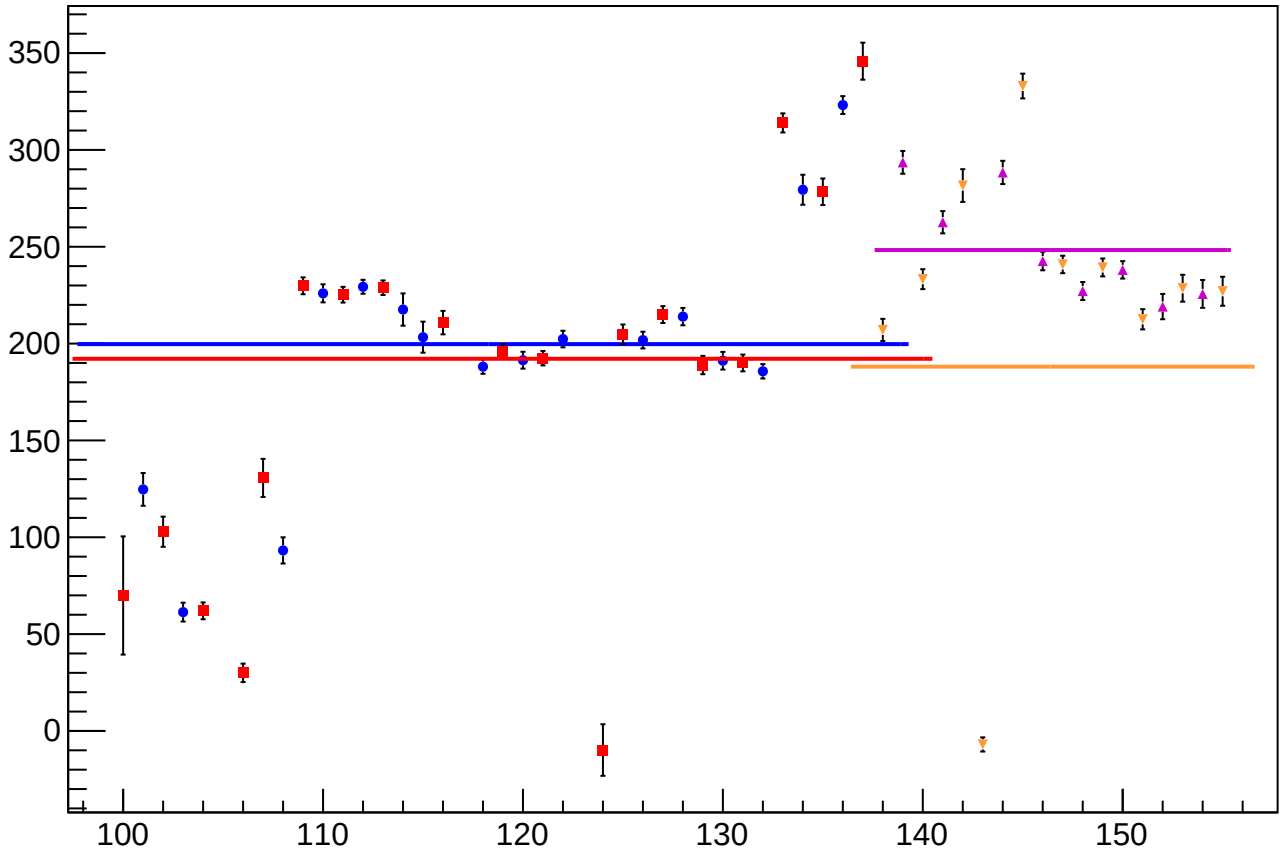
30
20
10
0
−10
100
110
120
130
140
150
Right In: 15.175+/-1.048 χ²/NDF: 72.3/15
Left Out: 18.312+/-1.111 χ²/NDF:114.9/9
Right Out: 15.925+/-1.037 χ²/NDF: 63.5/18
Left In: 19.434+/-1.276 χ²/NDF:66.9/7
Left: 18.796+/-0.838 χ²/NDF: 182.2/17
Right: 15.554+/-0.737 χ²/NDF: 136.1/34
In: 16.891+/-0.810 χ²/NDF:145.9/23
Out: 17.036+/-0.758 χ²/NDF:180.9/28
All: 16.968+/-0.553 χ²/NDF: 326.8/52



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 188.100+/-1.684 χ^2/NDF:3907.2/9

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 248.301+/-1.928 χ^2/NDF:167.0/7

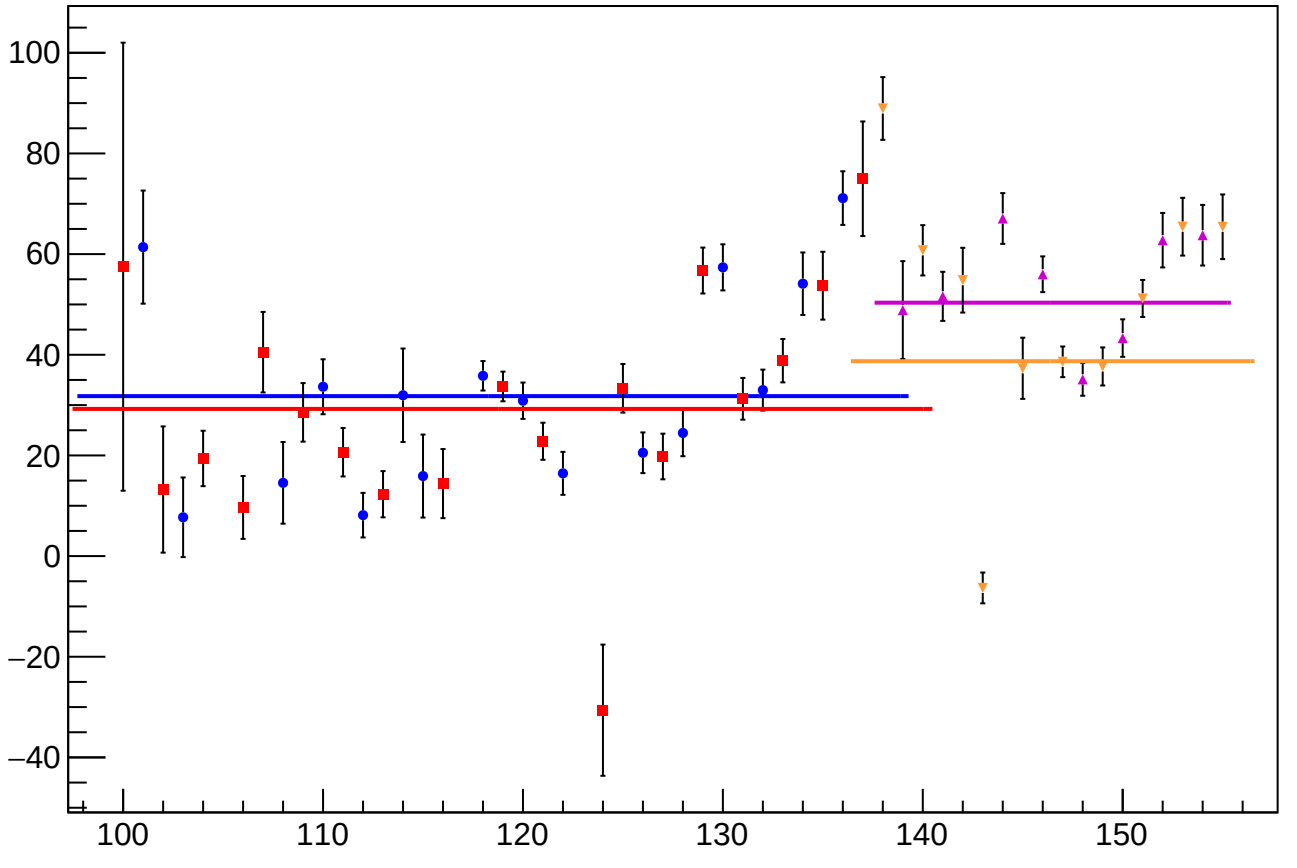
Left: 214.145+/-1.268 χ^2/NDF: 4627.1/17

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 213.212+/-1.016 χ^2/NDF:2727.0/23

Out: 190.865+/-0.950 χ^2/NDF:7688.3/28

All: 201.286+/-0.694 χ^2/NDF: 10673.4/52



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 38.725+/-1.373 χ^2/NDF:358.1/9

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 50.349+/-1.584 χ^2/NDF:49.2/7

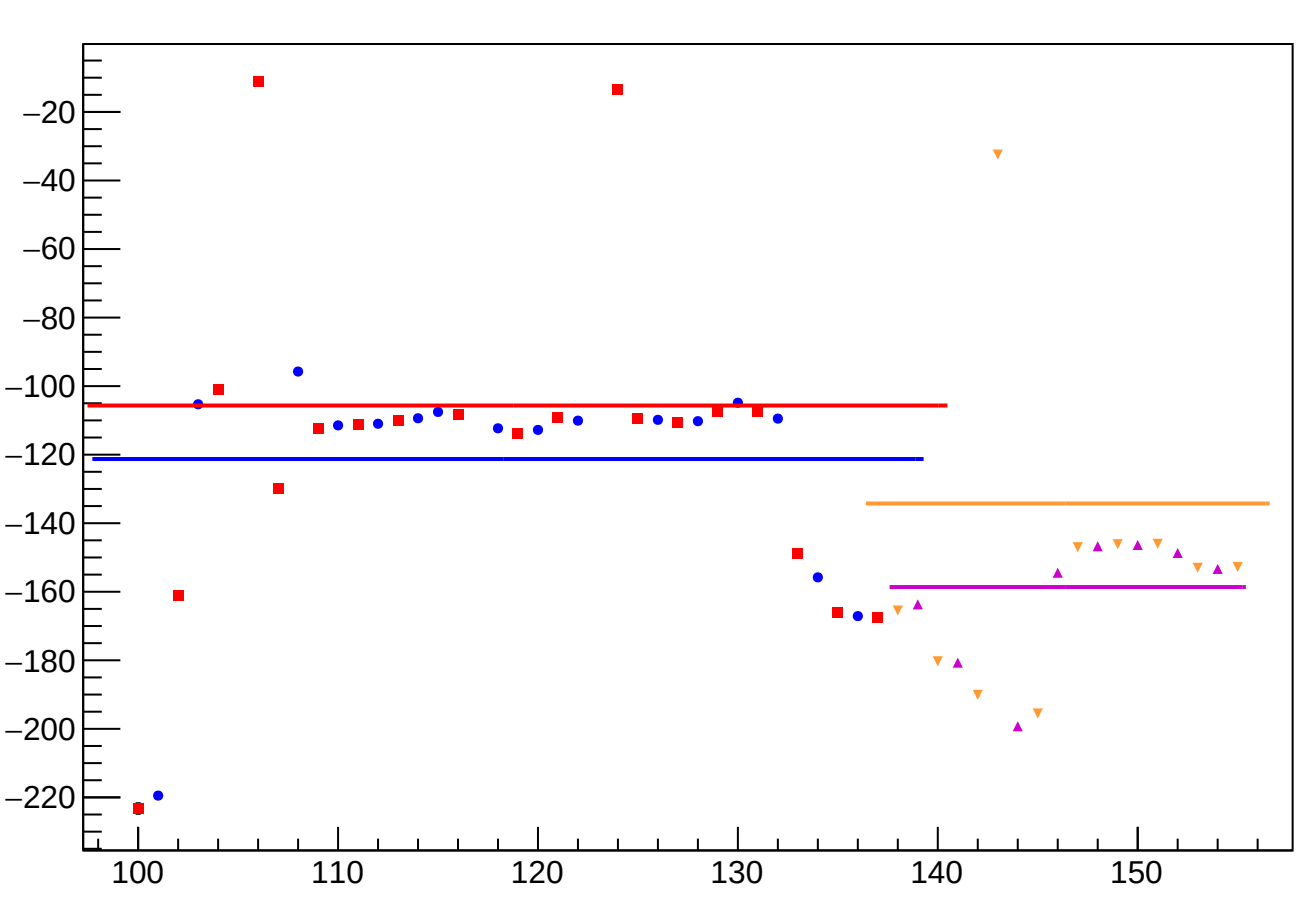
Left: 43.715+/-1.038 χ^2/NDF: 438.0/17

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 38.673+/-0.965 χ^2/NDF:312.6/23

Out: 33.336+/-0.902 χ^2/NDF:526.1/28

All: 35.826+/-0.659 χ^2/NDF: 855.0/52



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -134.248+/-0.068 χ^2/NDF:614483.3/9

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -158.626+/-0.076 χ^2/NDF:43289.9/7

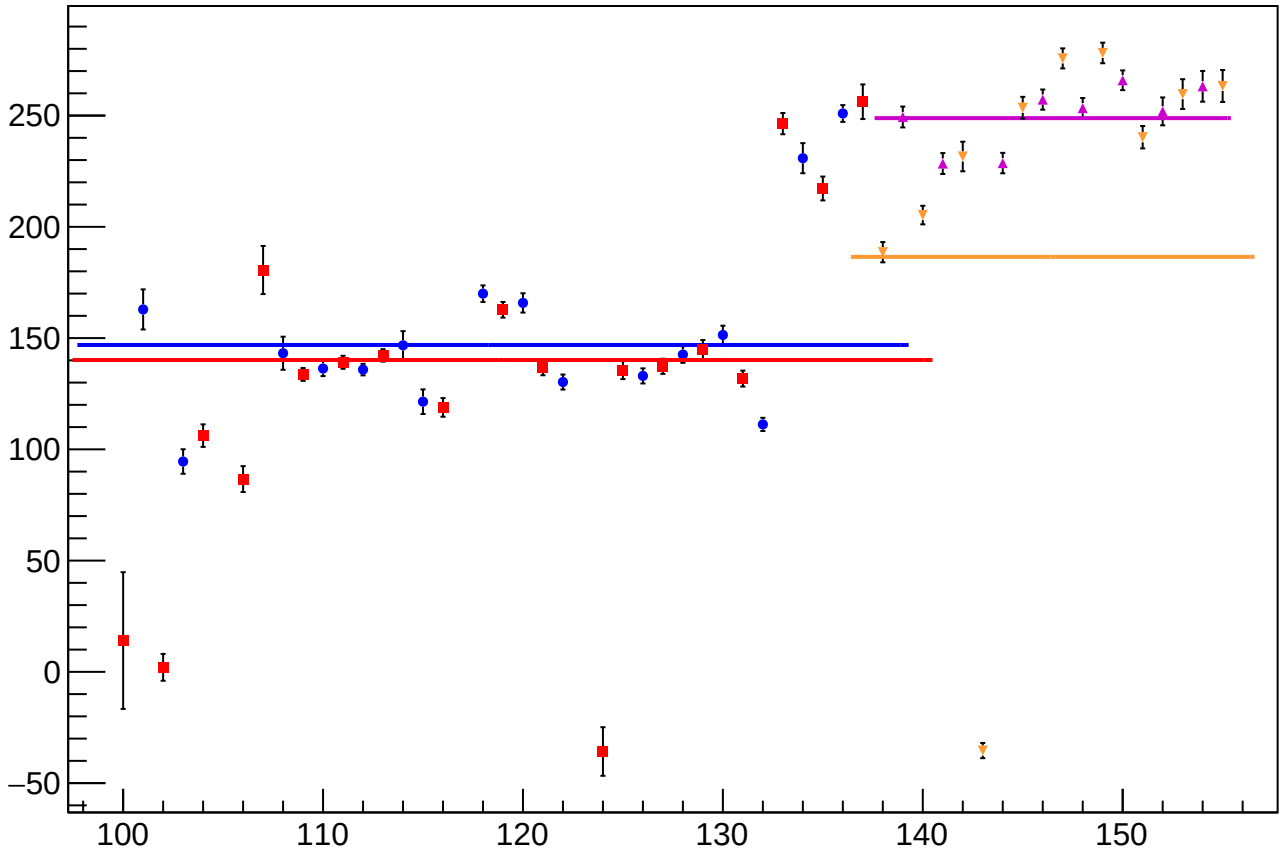
Left: -145.107+/-0.051 χ^2/NDF: 714211.9/17

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -140.621+/-0.055 χ^2/NDF:277881.7/23

Out: -121.193+/-0.050 χ^2/NDF:1049148.3/28

All: -130.077+/-0.037 χ^2/NDF: 1394750.4/52



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 186.503+/-1.519 χ^2/NDF:5602.6/9

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 248.854+/-1.735 χ^2/NDF:61.8/7

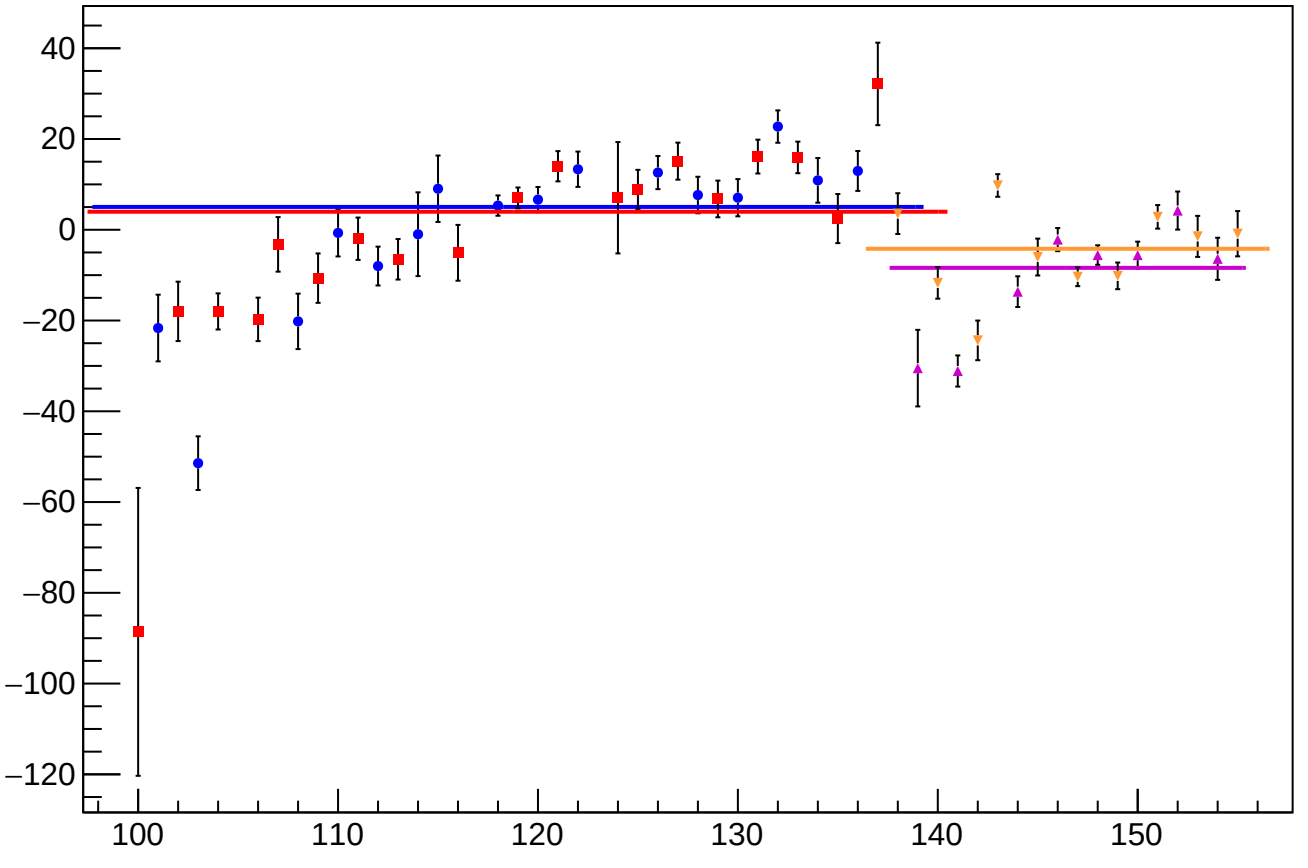
Left: 213.544+/-1.143 χ^2/NDF: 6395.6/17

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 172.446+/-0.869 χ^2/NDF:3950.6/23

Out: 153.388+/-0.811 χ^2/NDF:8218.8/28

All: 162.270+/-0.593 χ^2/NDF: 12426.4/52



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -4.185+/-1.003 χ^2/NDF:81.7/9

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -8.393+/-1.138 χ^2/NDF:70.9/7

Left: -6.025+/-0.752 χ^2/NDF: 160.3/17

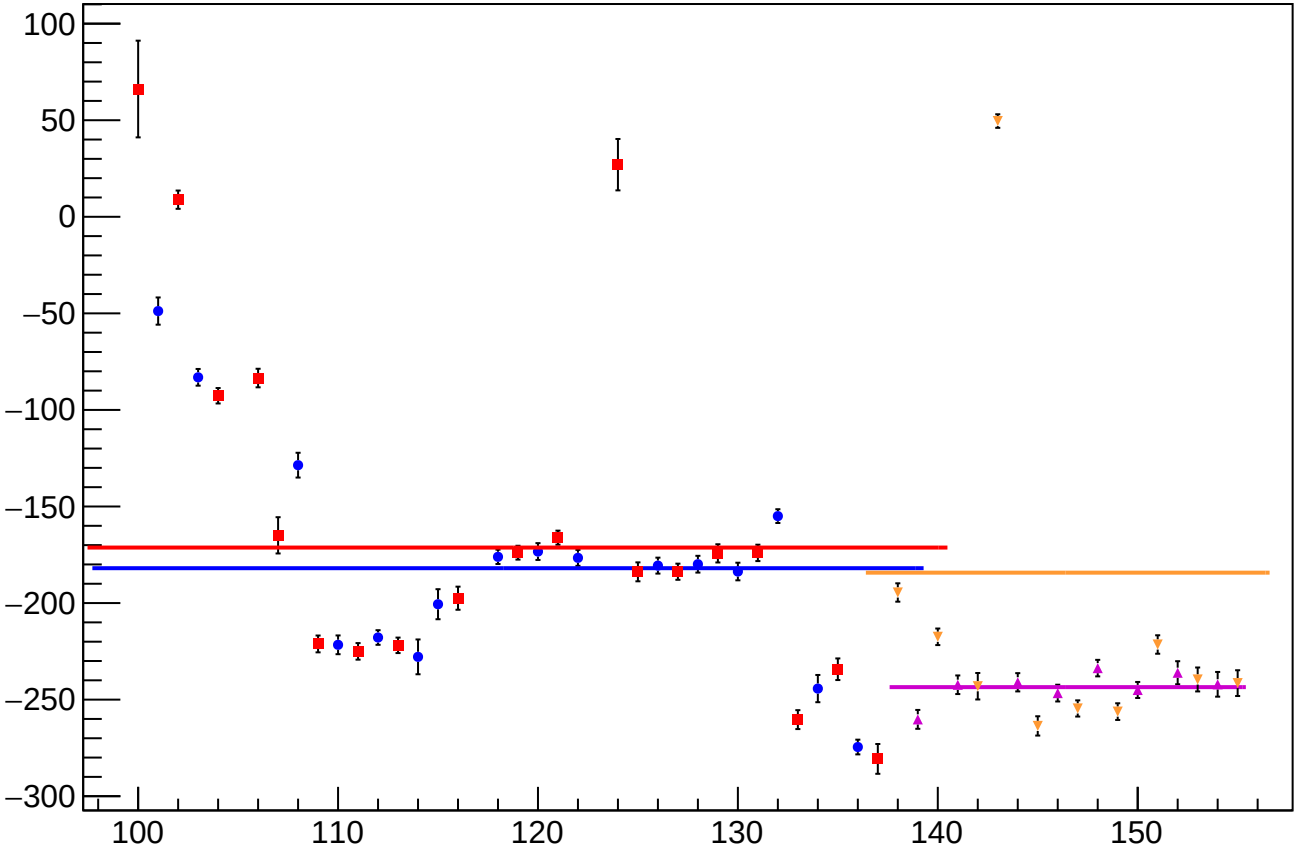
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: -0.952+/-0.760 χ^2/NDF:319.9/23

Out: -0.141+/-0.712 χ^2/NDF:259.4/28

All: -0.520+/-0.520 χ^2/NDF: 579.9/52

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: -184.255+/-1.501 χ^2/NDF:5584.8/9

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -243.527+/-1.695 χ^2/NDF:19.6/7

Left: -210.312+/-1.124 χ^2/NDF: 6289.7/17

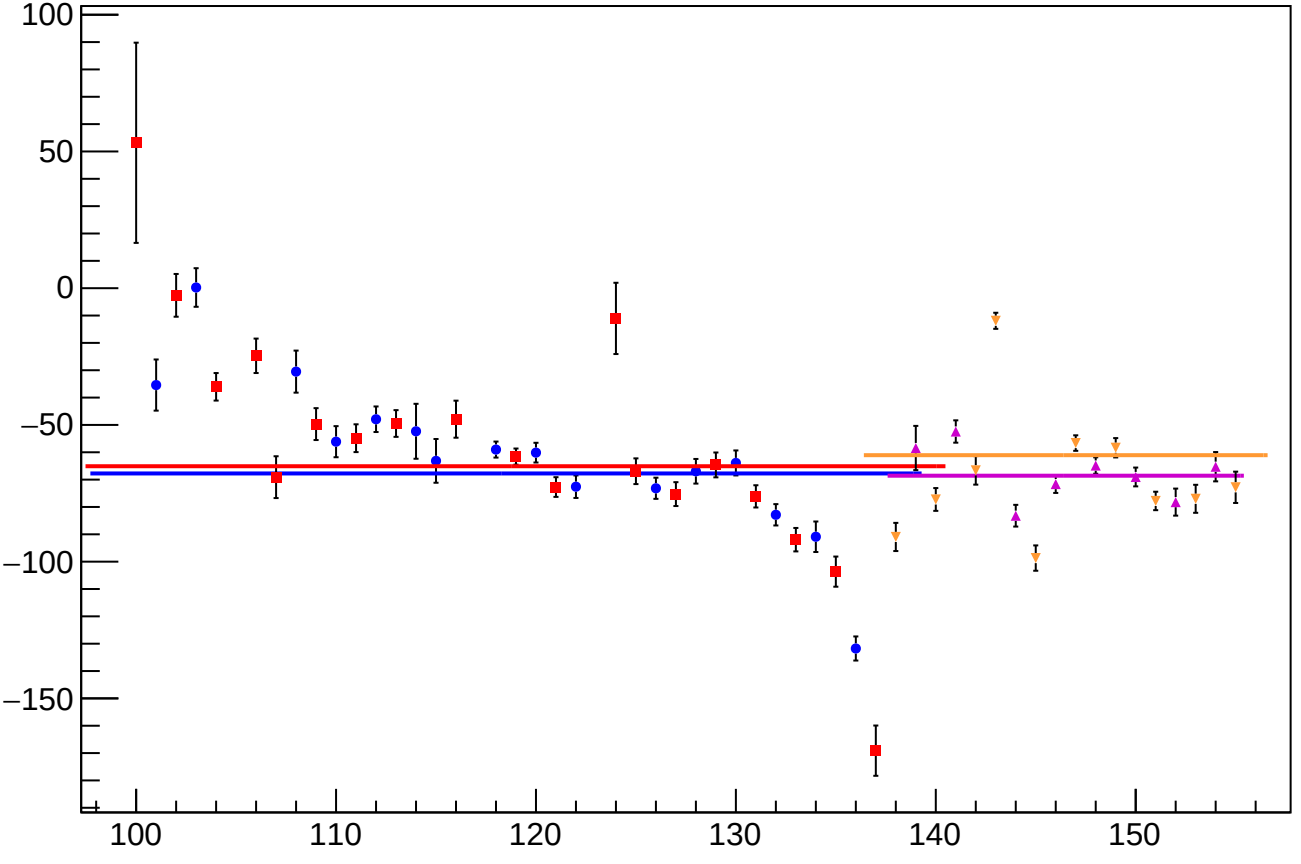
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -201.451+/-0.954 χ^2/NDF:2792.0/23

Out: -175.860+/-0.893 χ^2/NDF:9261.4/28

All: -187.814+/-0.652 χ^2/NDF: 12436.9/52

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: -61.064+/-1.235 χ^2/NDF:436.9/9

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -68.568+/-1.407 χ^2/NDF:37.4/7

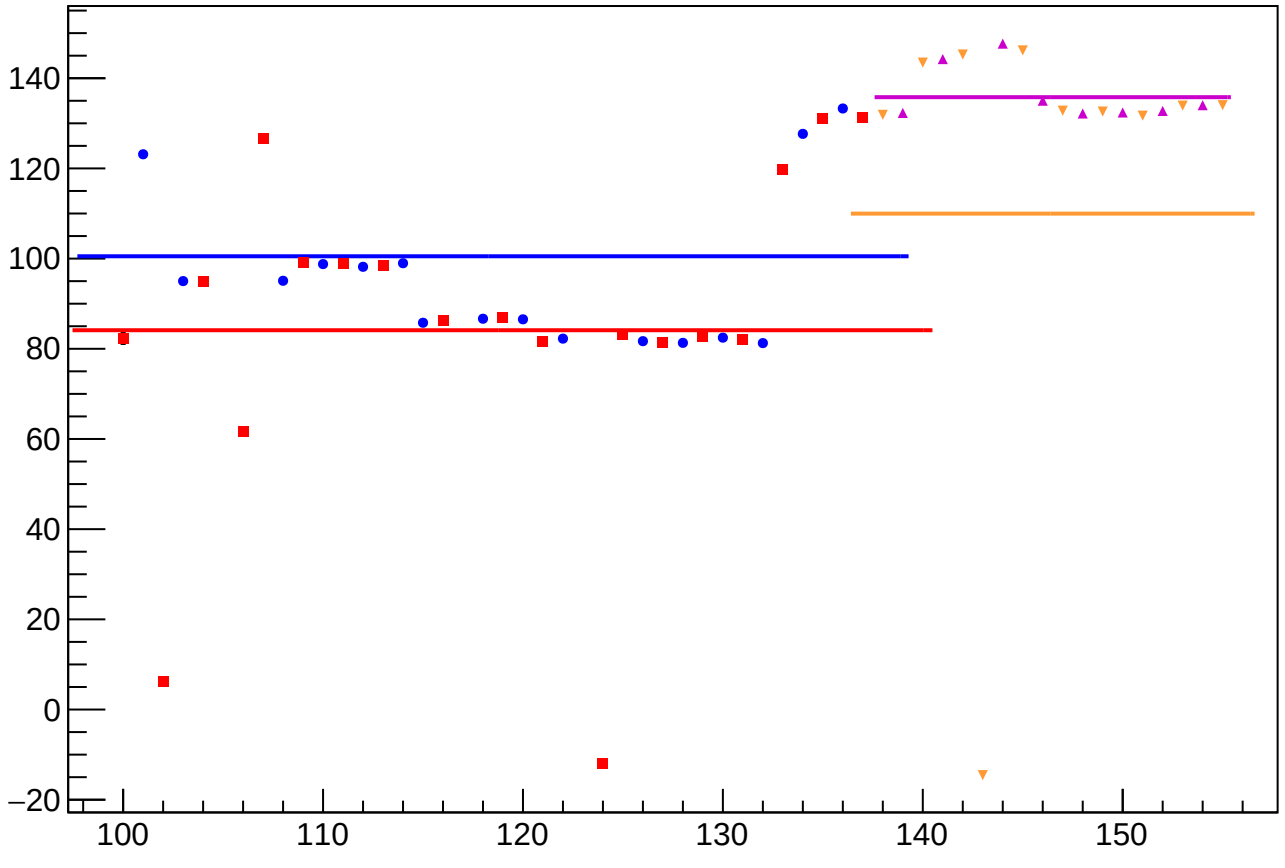
Left: -64.332+/-0.928 χ^2/NDF: 490.4/17

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -68.085+/-0.904 χ^2/NDF:451.7/23

Out: -63.200+/-0.848 χ^2/NDF:871.6/28

All: -65.486+/-0.619 χ^2/NDF: 1338.8/52



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 109.974+/-0.061 χ^2/NDF:888597.1/9

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 135.797+/-0.067 χ^2/NDF:6520.0/7

Left: 121.632+/-0.045 χ^2/NDF: 976062.5/17

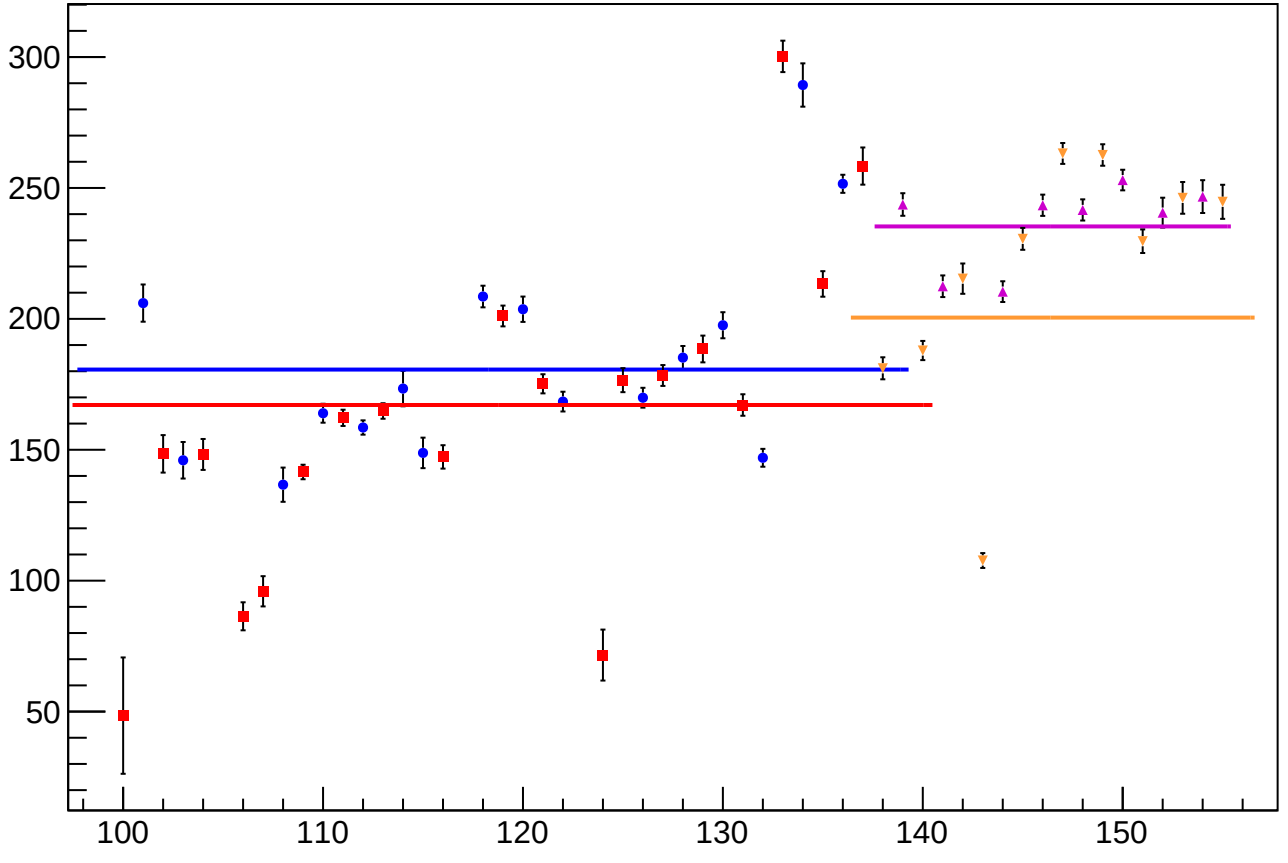
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 119.838+/-0.050 χ^2/NDF:198585.8/23

Out: 98.671+/-0.046 χ^2/NDF:1230969.4/28

All: 108.372+/-0.034 χ^2/NDF: 1527626.4/52

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: 200.487+/-1.331 χ^2/NDF:1778.5/9

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 235.304+/-1.546 χ^2/NDF:104.7/7

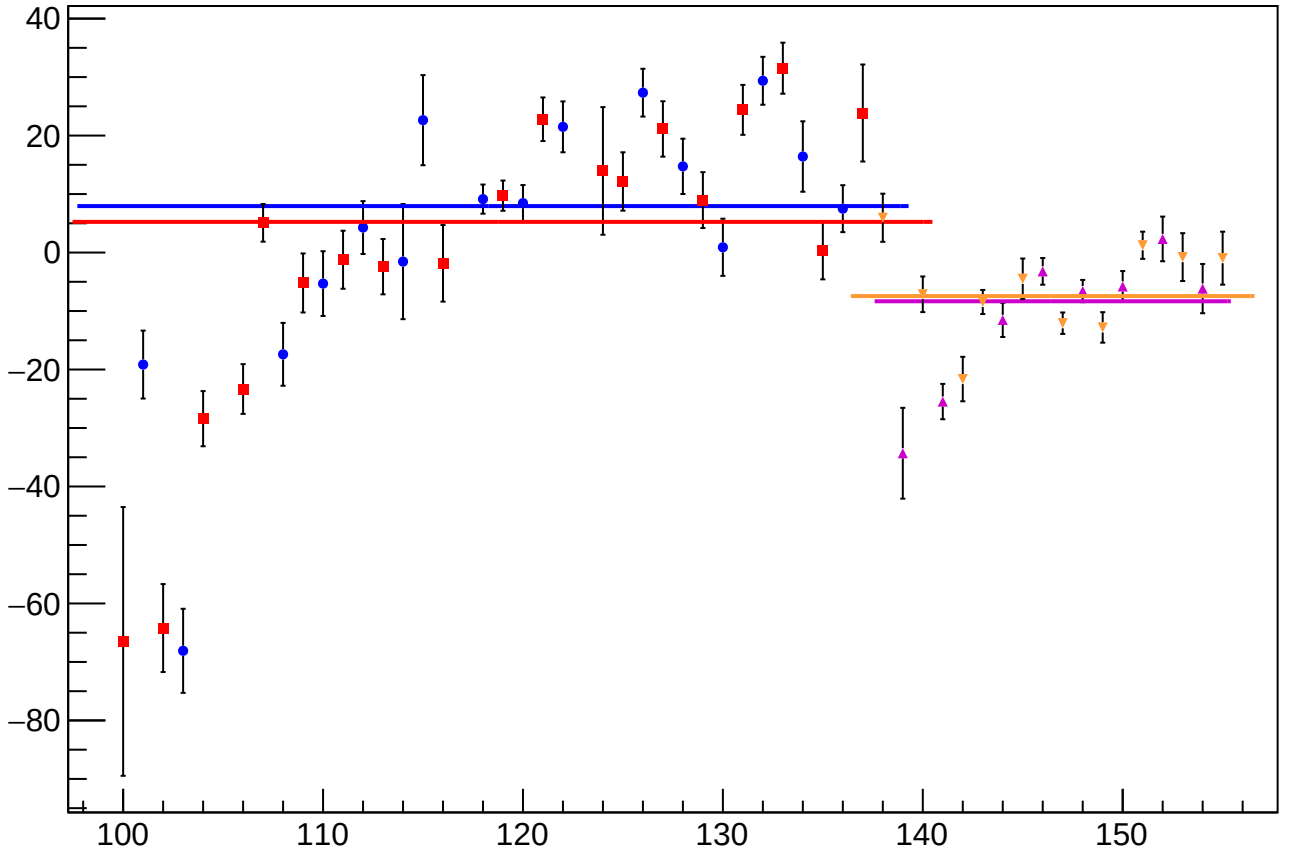
Left: 215.316+/-1.009 χ^2/NDF: 2174.6/17

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 198.786+/-0.891 χ^2/NDF:1933.9/23

Out: 179.463+/-0.810 χ^2/NDF:3659.1/28

All: 188.212+/-0.599 χ^2/NDF: 5850.6/52



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.441+/-0.879 χ^2/NDF:54.8/9

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -8.332+/-1.010 χ^2/NDF:59.4/7

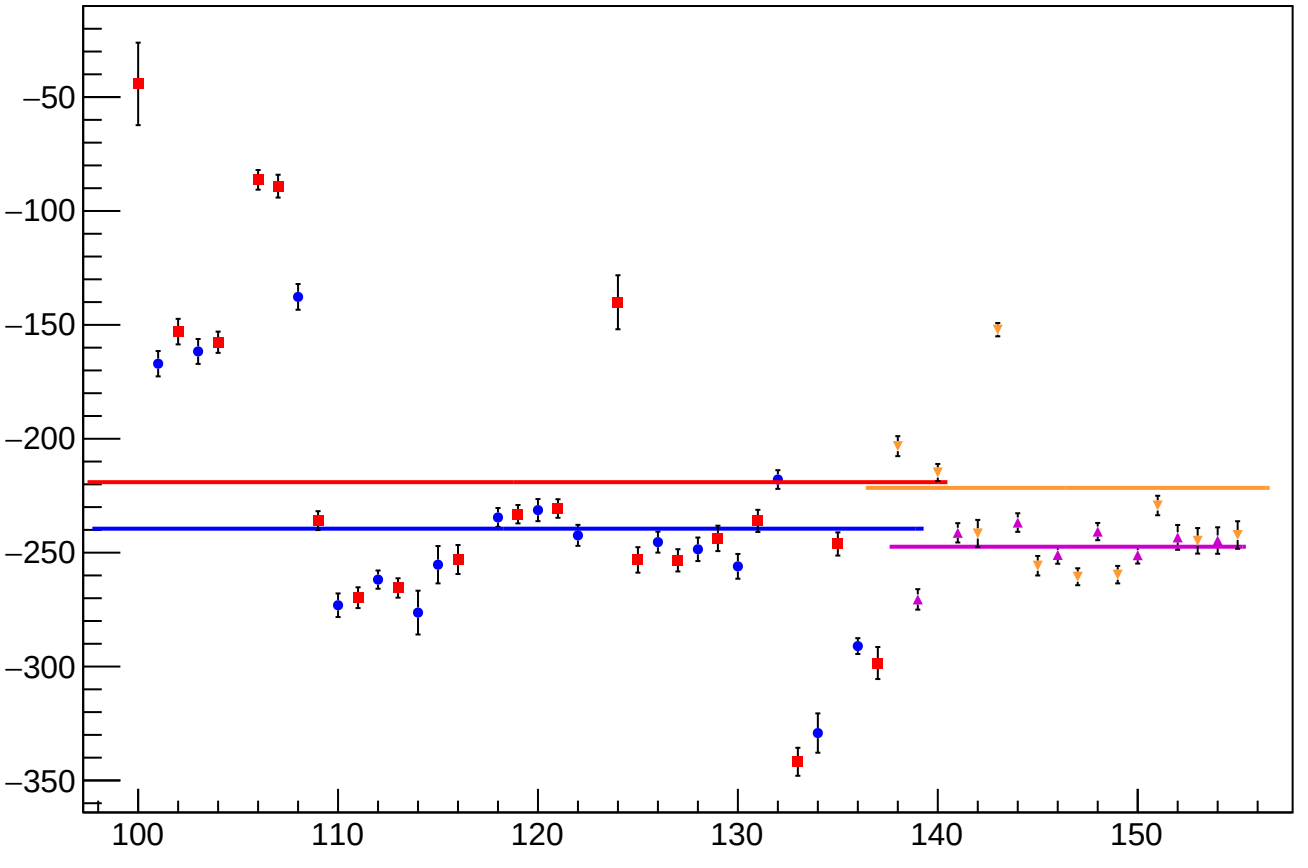
Left: -7.825+/-0.663 χ^2/NDF: 114.7/17

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.983+/-0.748 χ^2/NDF:409.6/23

Out: -2.283+/-0.677 χ^2/NDF:442.4/28

All: -1.697+/-0.502 χ^2/NDF: 853.6/52



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -221.554+/-1.318 χ^2/NDF:900.8/9

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.391+/-1.510 χ^2/NDF:41.1/7

Left: -232.727+/-0.993 χ^2/NDF: 1108.1/17

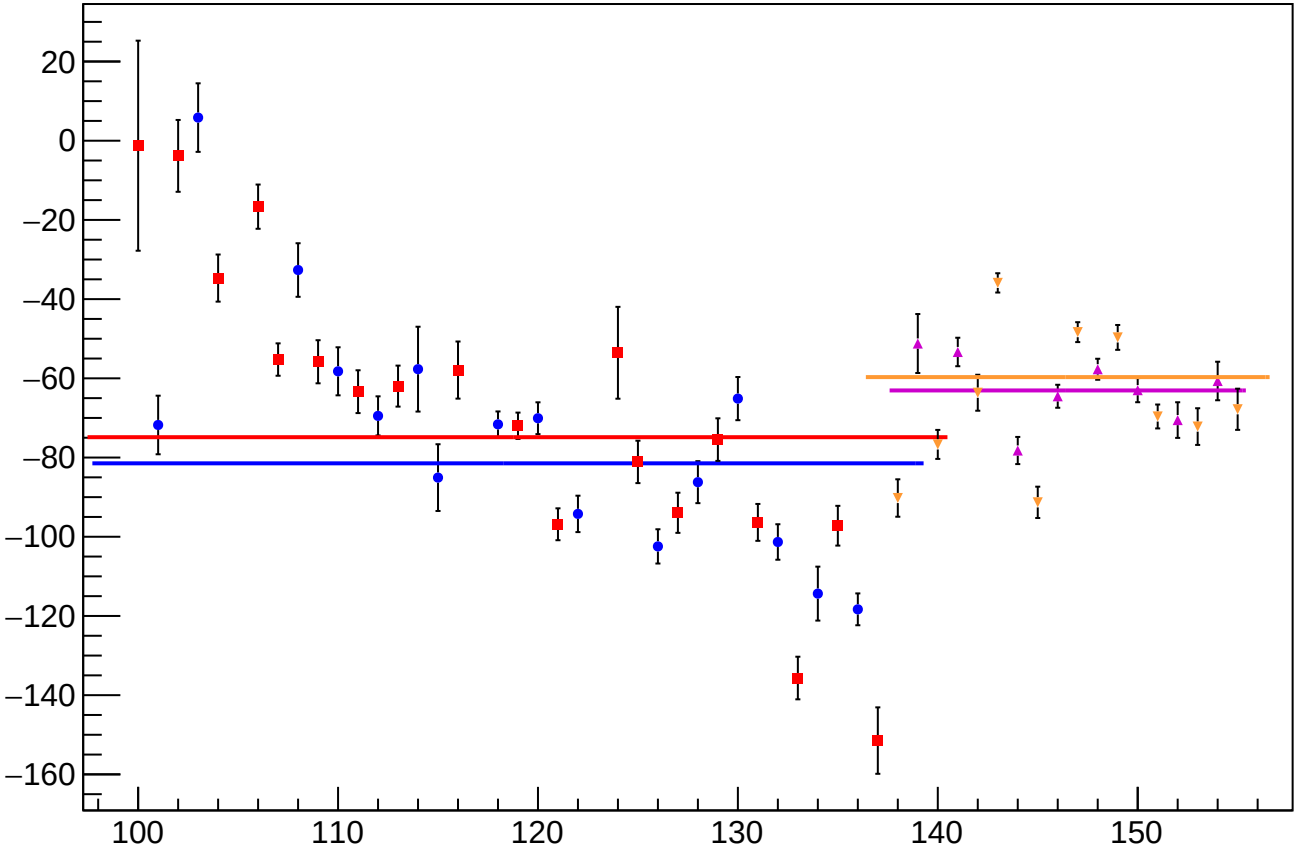
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.677+/-0.961 χ^2/NDF:1219.7/23

Out: -220.162+/-0.878 χ^2/NDF:3952.1/28

All: -230.403+/-0.648 χ^2/NDF: 5471.2/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -59.688+/-1.083 χ^2/NDF:274.4/9

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.057+/-1.249 χ^2/NDF:36.7/7

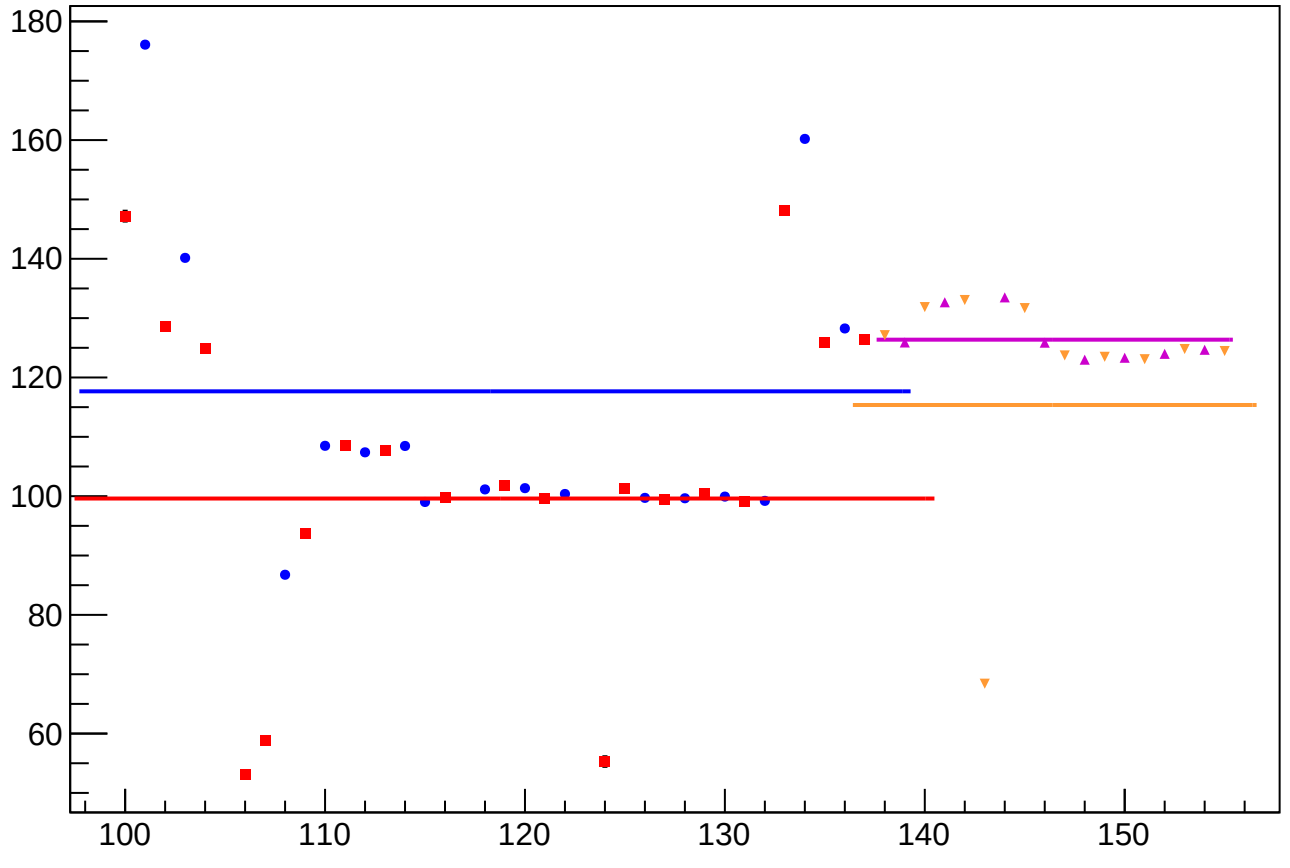
Left: -61.133+/-0.818 χ^2/NDF: 315.3/17

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -71.986+/-0.896 χ^2/NDF:508.5/23

Out: -66.311+/-0.813 χ^2/NDF:936.8/28

All: -68.871+/-0.602 χ^2/NDF: 1467.3/52



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 115.364+/-0.054 χ^2/NDF:189093.5/9

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.370+/-0.060 χ^2/NDF:3982.5/7

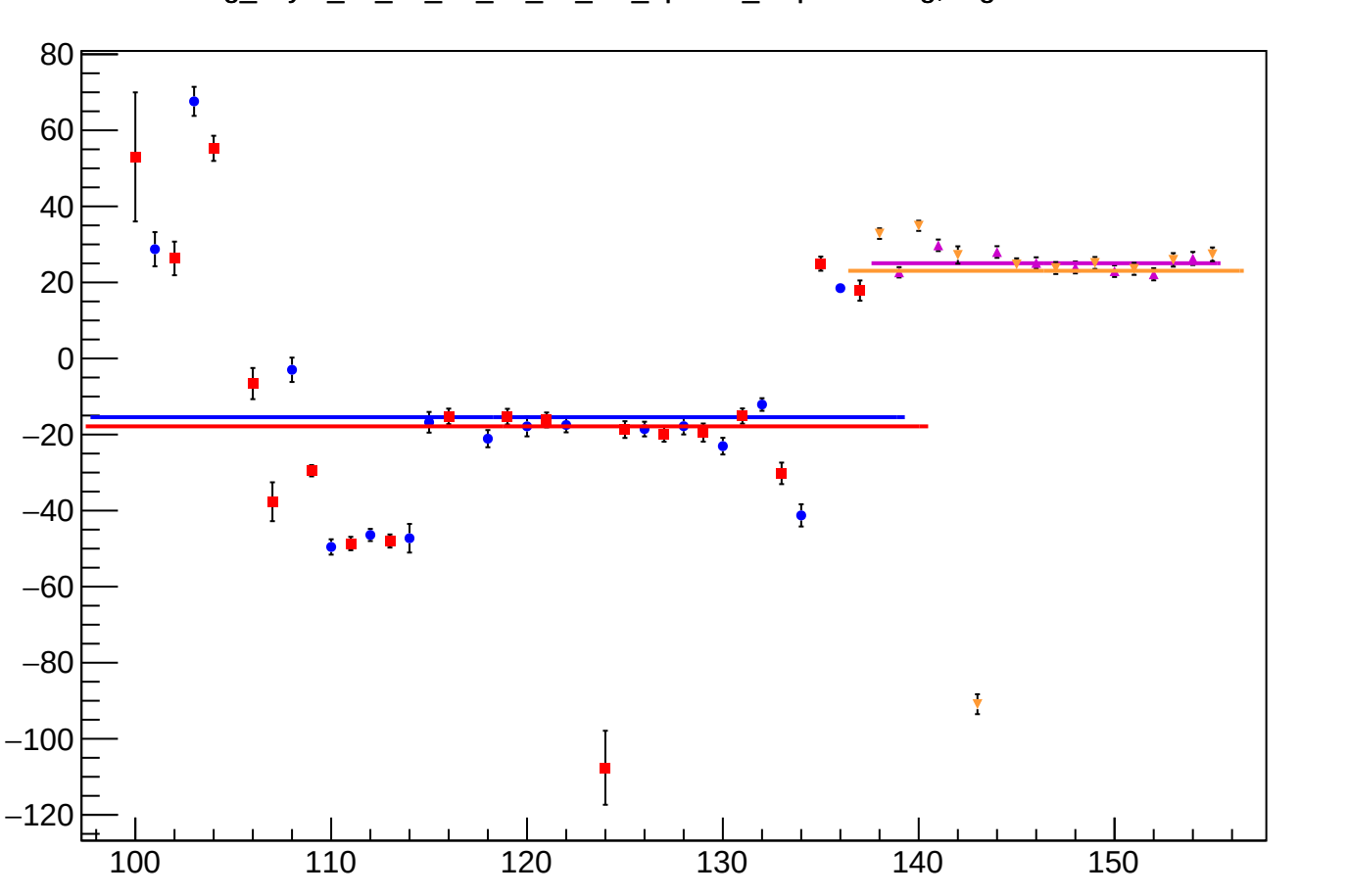
Left: 120.253+/-0.040 χ^2/NDF: 211742.9/17

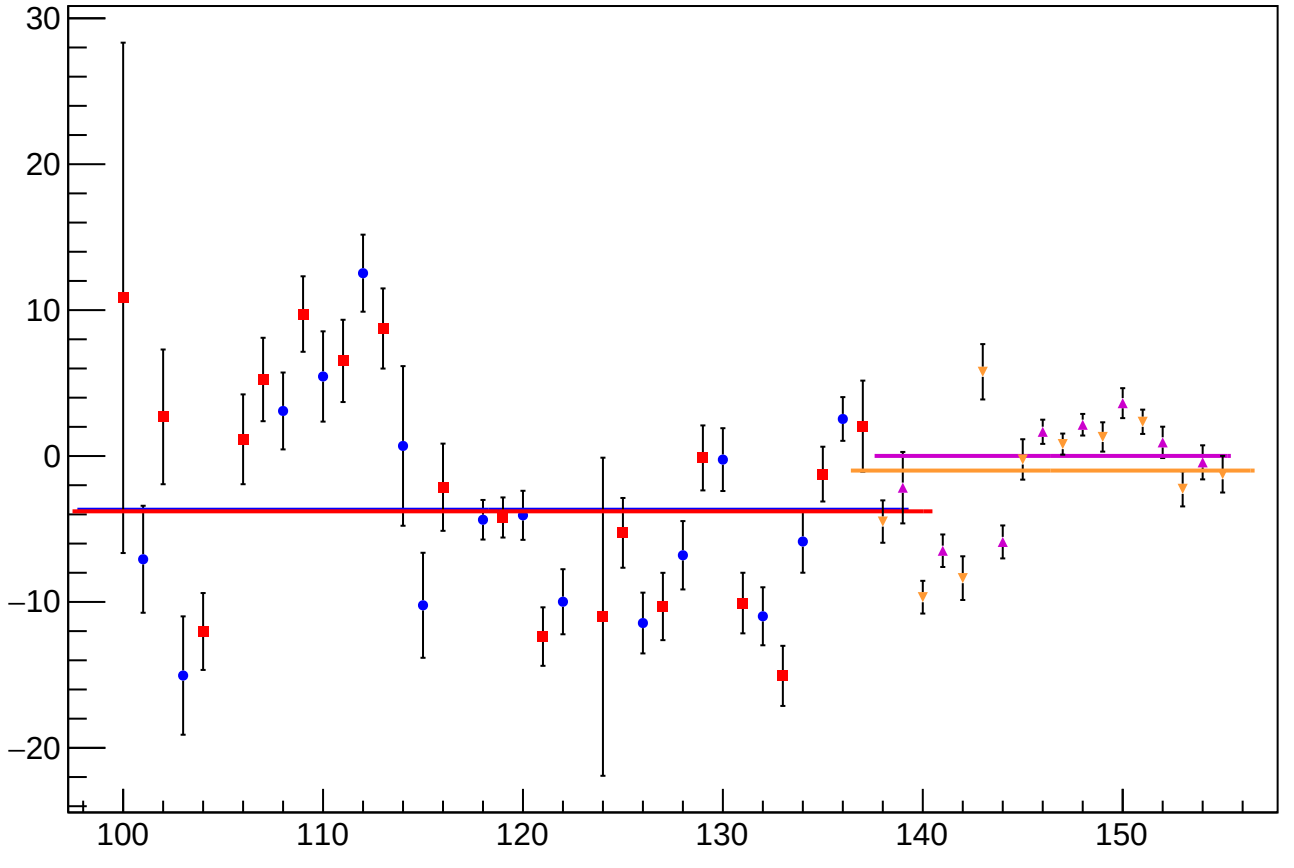
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.144+/-0.048 χ^2/NDF:107165.8/23

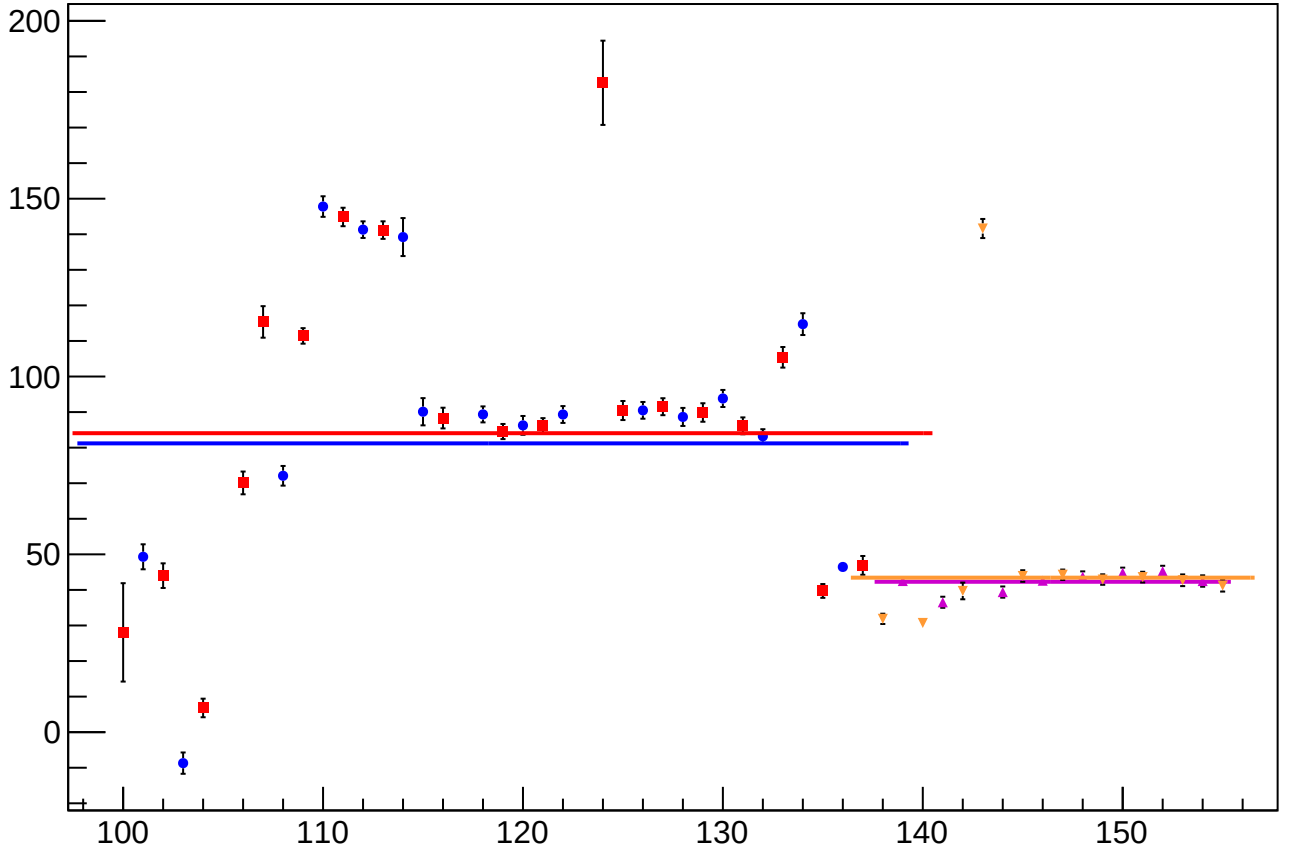
Out: 109.558+/-0.043 χ^2/NDF:387066.6/28

All: 115.605+/-0.032 χ^2/NDF: 539351.5/52


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: 23.060+/-0.524 χ²/NDF:2045.7/9
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 25.046+/-0.540 χ²/NDF:22.7/7
Left: 24.023+/-0.376 χ²/NDF: 2075.4/17
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 4.774+/-0.381 χ²/NDF:4962.9/23
Out: 2.824+/-0.373 χ²/NDF:7185.6/28
All: 3.776+/-0.267 χ²/NDF: 12161.9/52


reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -0.996+/-0.349 χ²/NDF:131.8/9
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: 0.008+/-0.363 χ²/NDF:87.6/7
Left: -0.513+/-0.252 χ²/NDF: 223.4/17
Right: -3.734+/-0.394 χ²/NDF: 285.2/34
In: -1.106+/-0.303 χ²/NDF:242.8/23
Out: -1.771+/-0.297 χ²/NDF:310.8/28
All: -1.446+/-0.212 χ²/NDF: 556.0/52

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: 43.445+/-0.513 χ^2/NDF:1489.6/9

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 42.289+/-0.527 χ^2/NDF:25.2/7

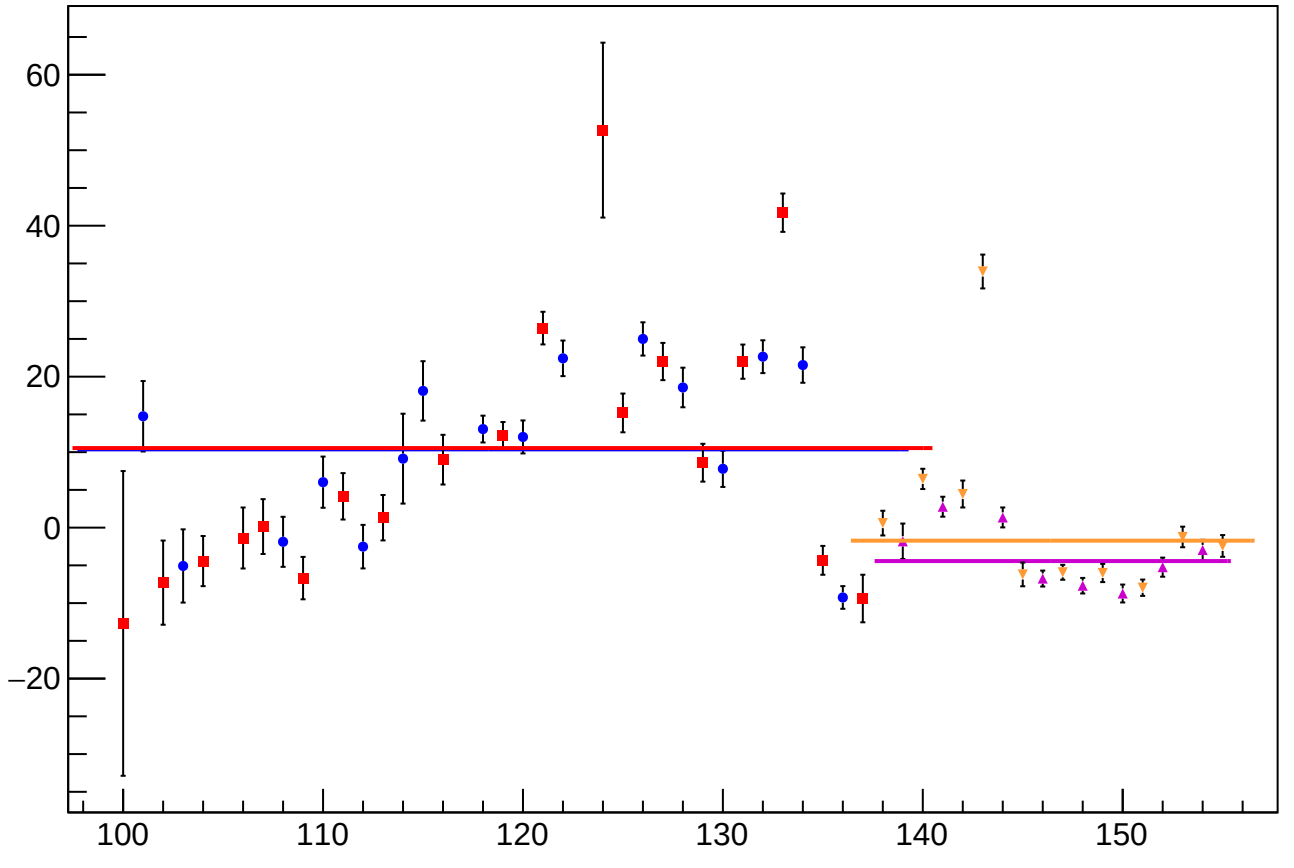
Left: 42.883+/-0.368 χ^2/NDF: 1517.3/17

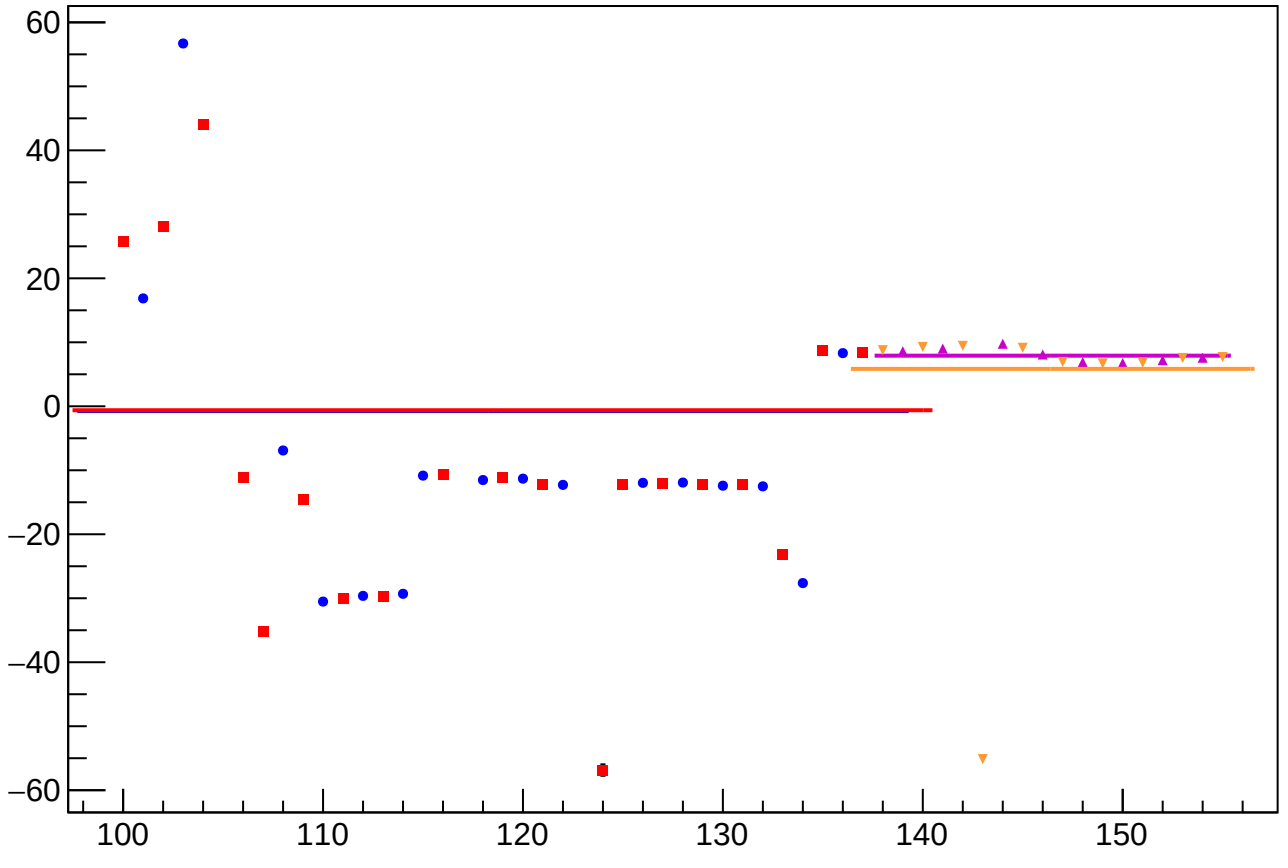
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 59.023+/-0.398 χ^2/NDF:5597.8/23

Out: 60.086+/-0.394 χ^2/NDF:7260.8/28

All: 59.559+/-0.280 χ^2/NDF: 12862.2/52


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: -1.728+/-0.429 χ²/NDF:376.7/9
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -4.430+/-0.445 χ²/NDF:79.6/7
Left: -3.030+/-0.309 χ²/NDF: 475.4/17
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.530+/-0.363 χ²/NDF:810.2/23
Out: 2.073+/-0.356 χ²/NDF:1100.8/28
All: 1.315+/-0.254 χ²/NDF: 1920.1/52



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.850+/-0.020 χ^2/NDF:310314.9/9

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.911+/-0.021 χ^2/NDF:2091.0/7

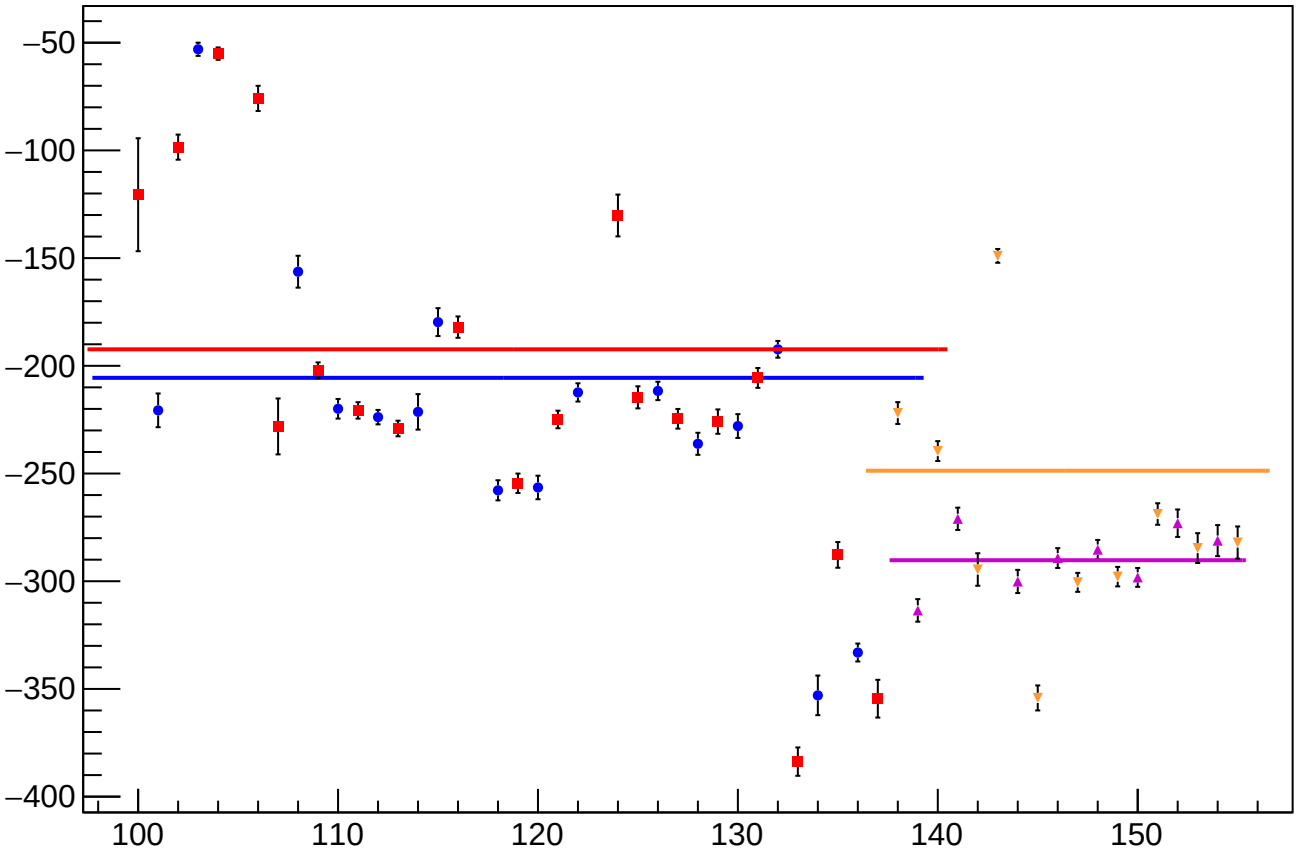
Left: 6.869+/-0.014 χ^2/NDF: 317506.2/17

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.777+/-0.018 χ^2/NDF:413937.3/23

Out: 4.375+/-0.018 χ^2/NDF:649983.6/28

All: 5.076+/-0.013 χ^2/NDF: 1067012.4/52



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -248.686+/-1.562 χ^2/NDF:1684.7/9

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -290.247+/-1.823 χ^2/NDF:50.3/7

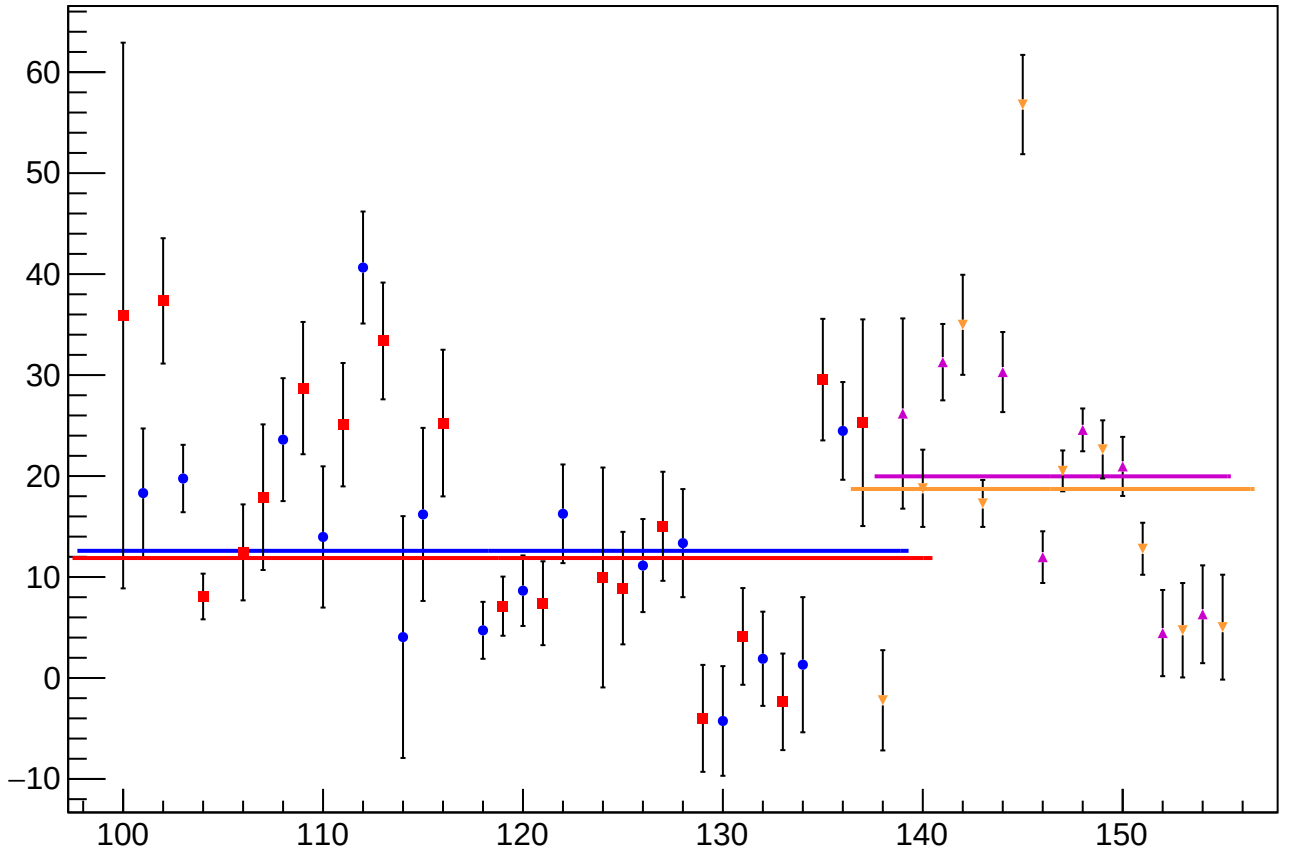
Left: -266.280+/-1.186 χ^2/NDF: 2034.5/17

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -230.711+/-0.993 χ^2/NDF:5622.5/23

Out: -211.527+/-0.912 χ^2/NDF:7512.2/28

All: -220.297+/-0.672 χ^2/NDF: 13337.2/52



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 18.719+/-1.013 χ^2/NDF:112.7/9

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 19.971+/-1.167 χ^2/NDF:51.9/7

Left: 19.256+/-0.765 χ^2/NDF: 165.3/17

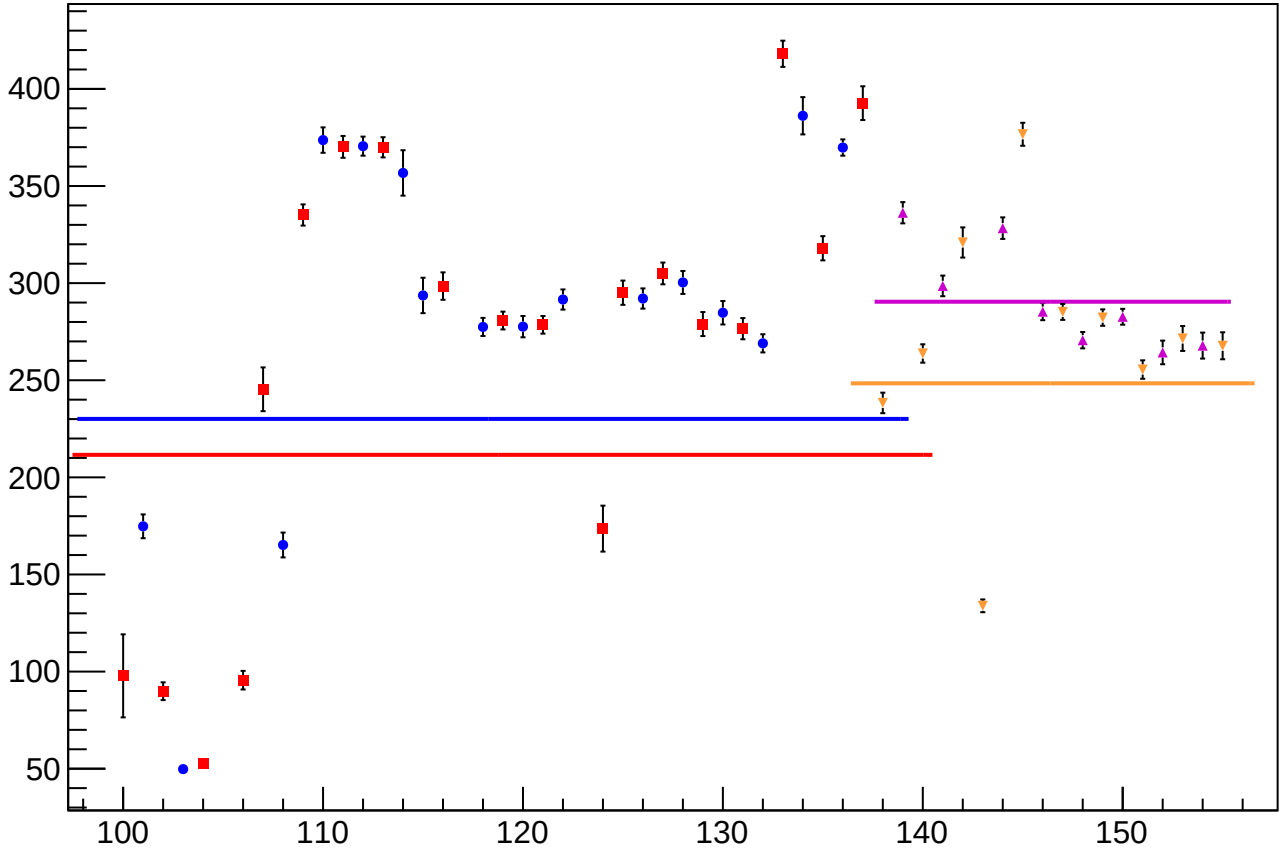
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 16.392+/-0.838 χ^2/NDF:139.8/23

Out: 15.647+/-0.752 χ^2/NDF:218.1/28

All: 15.979+/-0.559 χ^2/NDF: 358.3/52

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: 248.419+/-1.539 χ^2/NDF:1942.9/9

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 290.427+/-1.771 χ^2/NDF:176.1/7

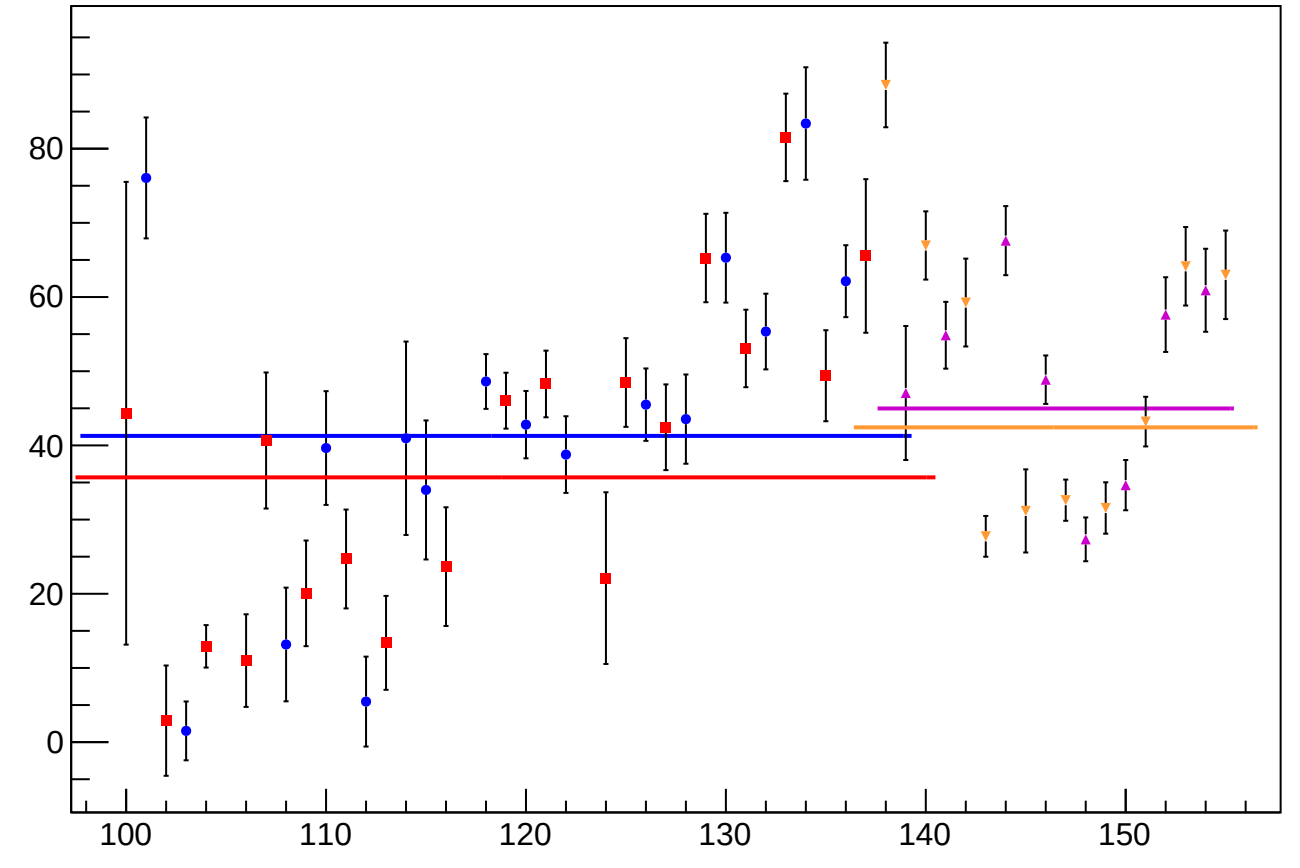
Left: 266.495+/-1.162 χ^2/NDF: 2439.4/17

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 250.357+/-1.027 χ^2/NDF:10322.2/23

Out: 225.441+/-0.944 χ^2/NDF:13772.1/28

All: 236.859+/-0.695 χ^2/NDF: 24413.5/52



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 42.433+/-1.253 χ^2/NDF:185.7/9

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 44.978+/-1.451 χ^2/NDF:89.4/7

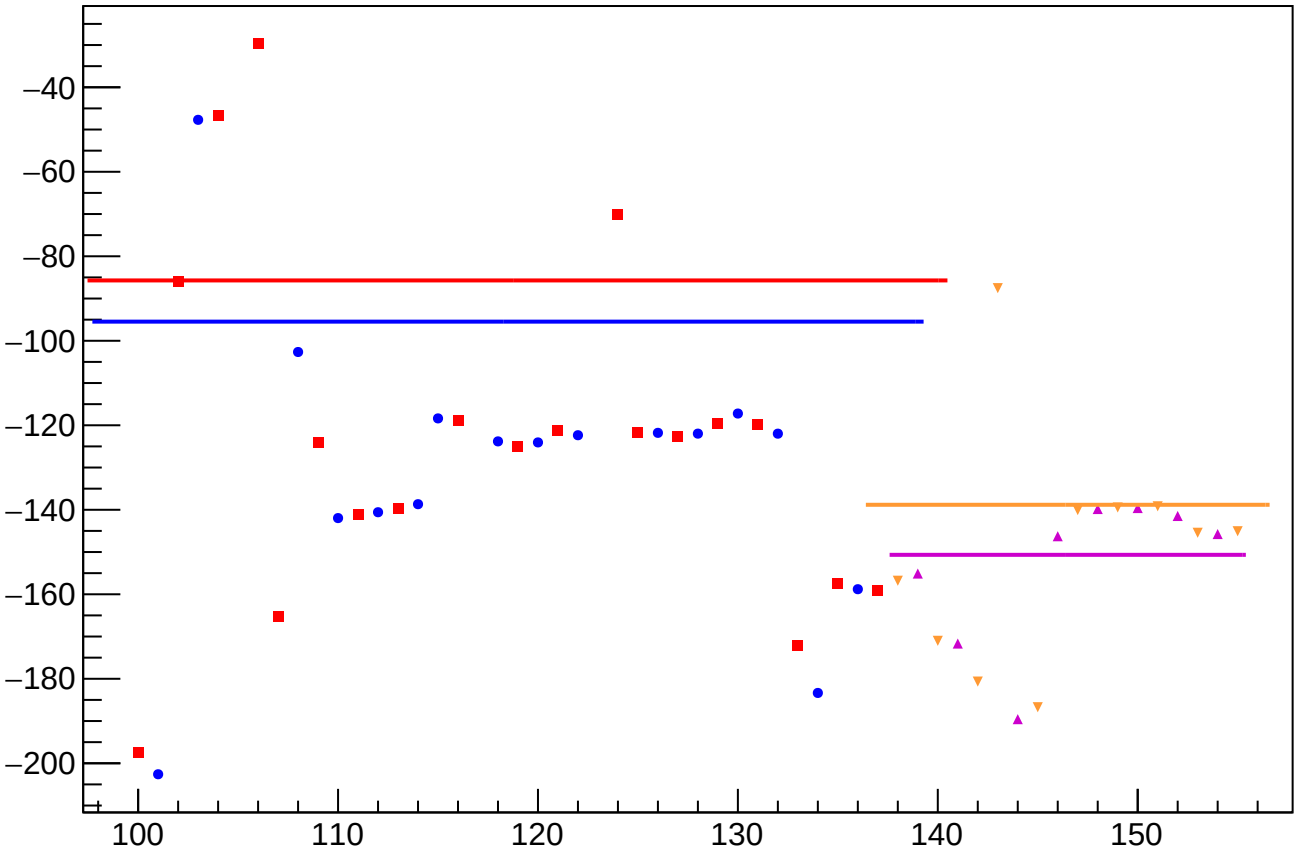
Left: 43.520+/-0.948 χ^2/NDF: 276.8/17

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 43.061+/-1.007 χ^2/NDF:338.5/23

Out: 39.230+/-0.908 χ^2/NDF:452.7/28

All: 40.948+/-0.674 χ^2/NDF: 799.1/52



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -138.817+/-0.063 χ^2/NDF:230191.9/9

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -150.664+/-0.070 χ^2/NDF:45544.6/7

Left: -144.073+/-0.047 χ^2/NDF: 291558.3/17

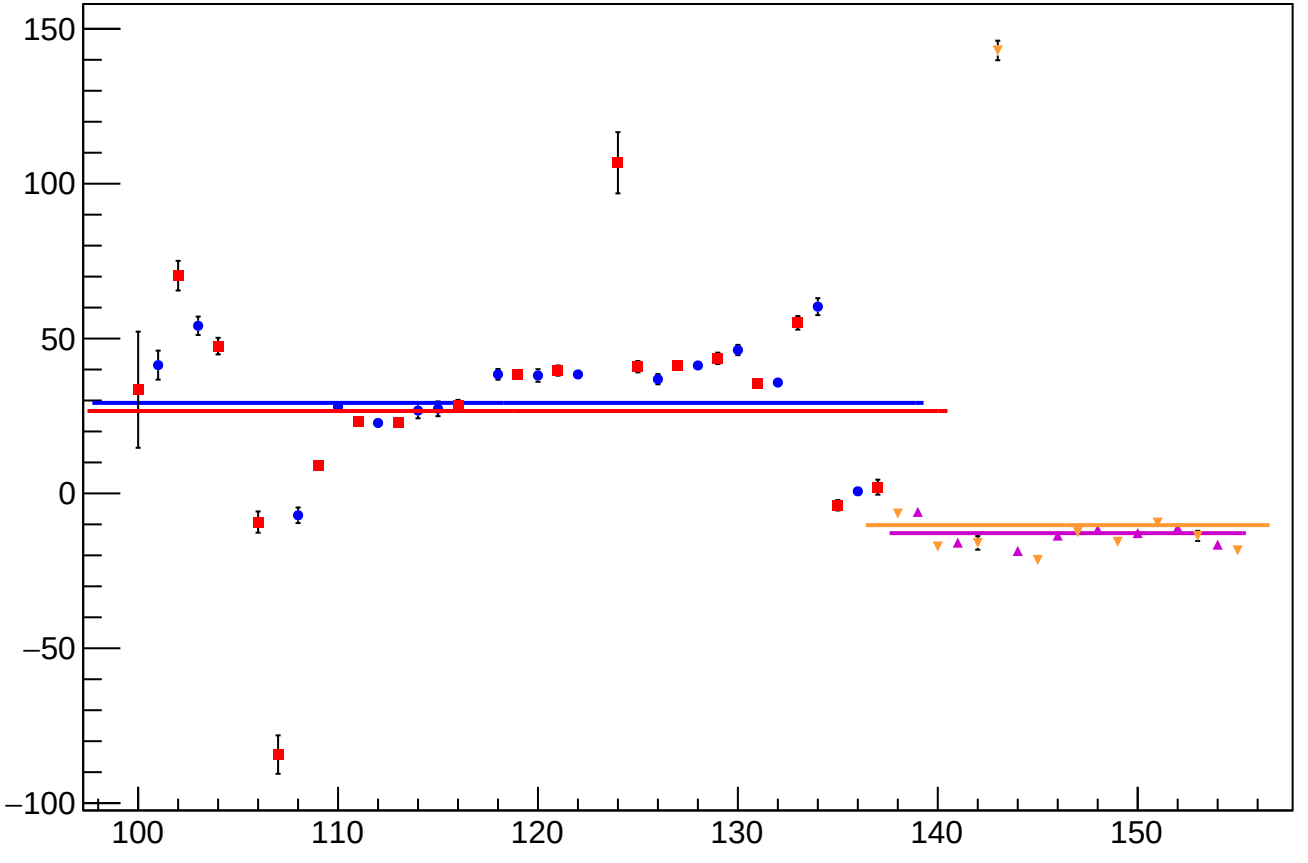
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -122.751+/-0.049 χ^2/NDF:877696.5/23

Out: -113.993+/-0.046 χ^2/NDF:1047791.1/28

All: -118.040+/-0.034 χ^2/NDF: 1942403.2/52

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: -10.240+/-0.490 χ^2/NDF:2503.0/9

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.827+/-0.501 χ^2/NDF:58.7/7

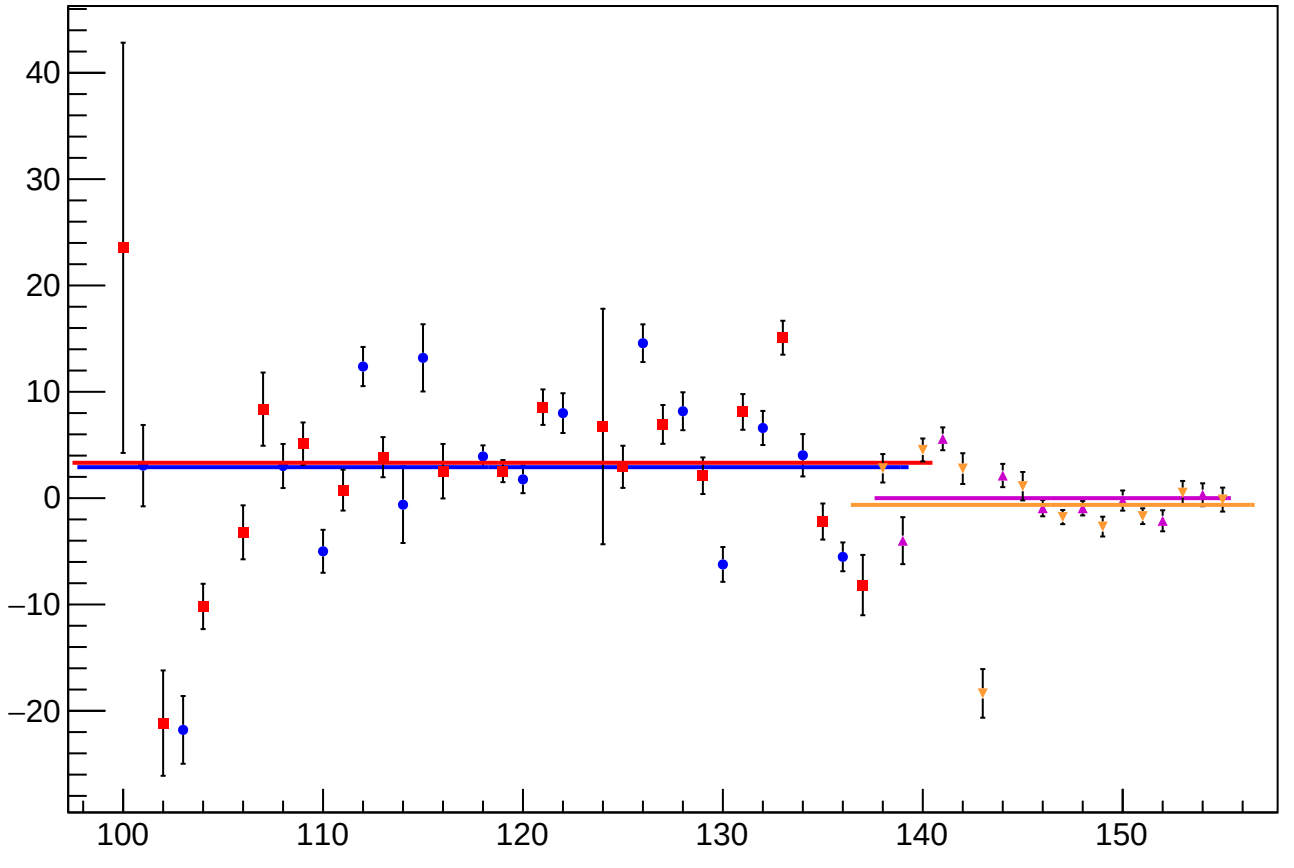
Left: -11.503+/-0.350 χ^2/NDF: 2575.3/17

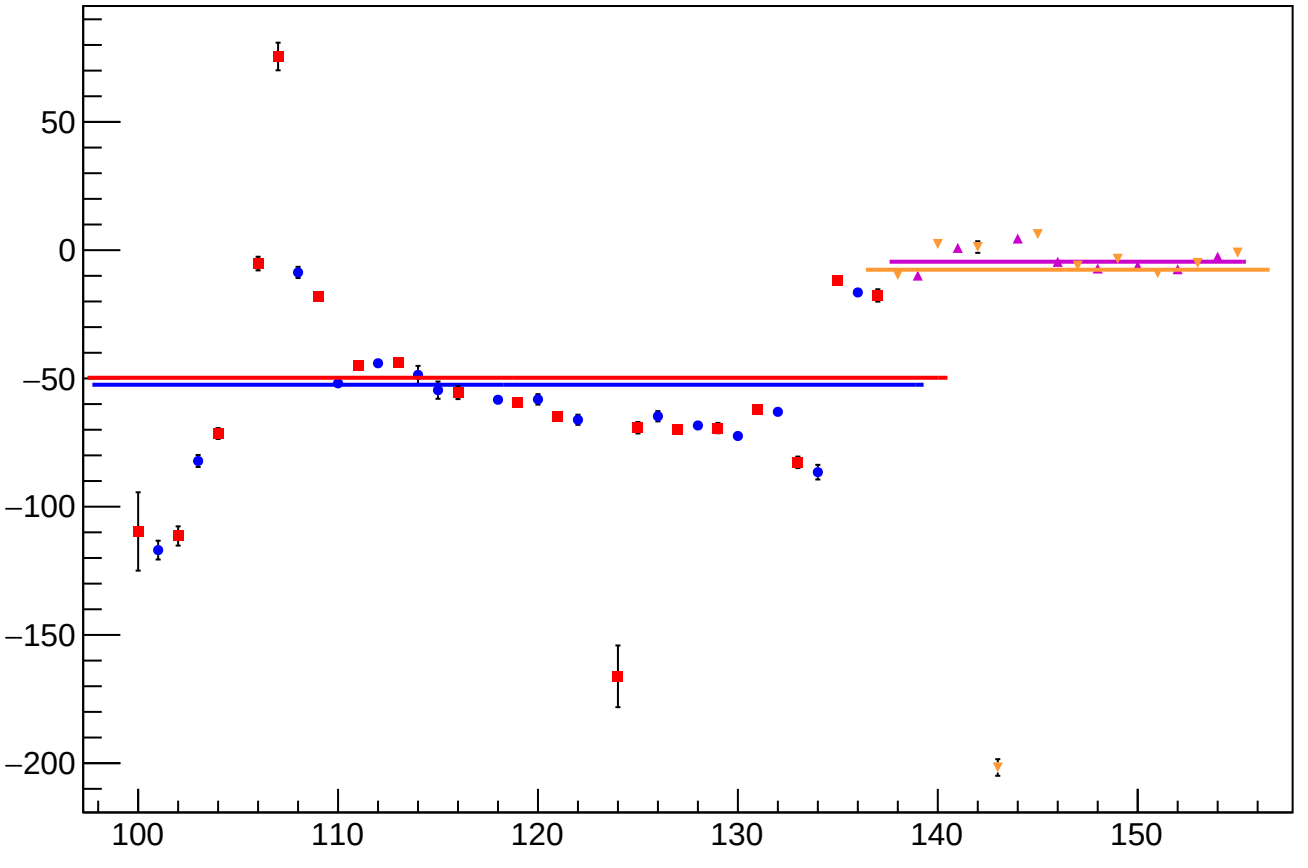
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 11.683+/-0.324 χ^2/NDF:5500.8/23

Out: 11.248+/-0.316 χ^2/NDF:7724.8/28

All: 11.460+/-0.226 χ^2/NDF: 13226.5/52


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: -0.632+/-0.325 χ²/NDF:108.0/9
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.000+/-0.338 χ²/NDF:42.3/7
Left: -0.328+/-0.234 χ²/NDF: 152.1/17
Right: 3.114+/-0.317 χ²/NDF: 432.2/34
In: 1.073+/-0.269 χ²/NDF:319.6/23
Out: 0.710+/-0.264 χ²/NDF:340.1/28
All: 0.888+/-0.188 χ²/NDF: 660.6/52



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -7.626+/-0.479 χ^2/NDF:3764.1/9

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.499+/-0.489 χ^2/NDF:77.6/7

Left: -6.097+/-0.342 χ^2/NDF: 3862.6/17

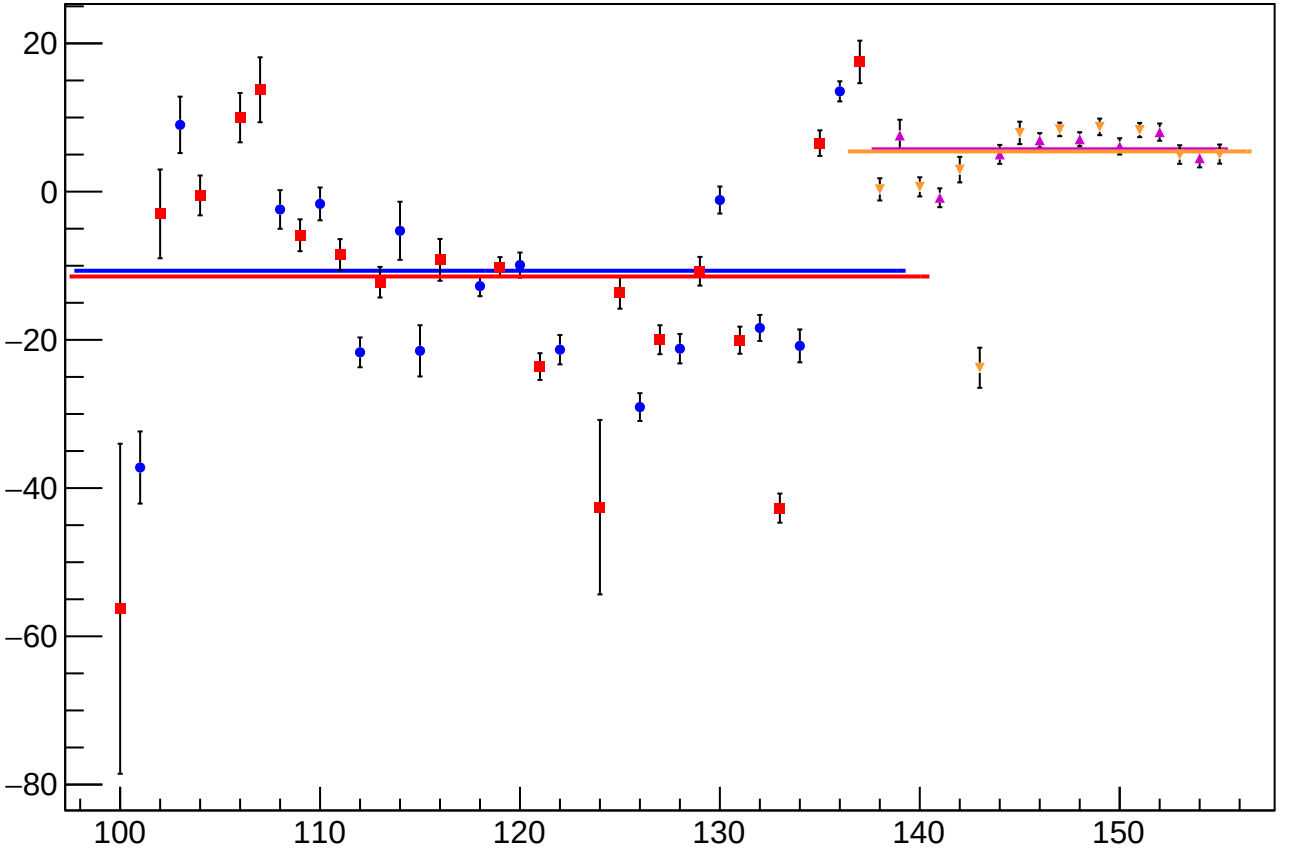
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -28.566+/-0.346 χ^2/NDF:7226.3/23

Out: -28.019+/-0.344 χ^2/NDF:10520.1/28

All: -28.291+/-0.244 χ^2/NDF: 17747.7/52

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: 5.421+/-0.399 χ^2/NDF:175.1/9

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.713+/-0.414 χ^2/NDF:36.1/7

Left: 5.562+/-0.287 χ^2/NDF: 211.4/17

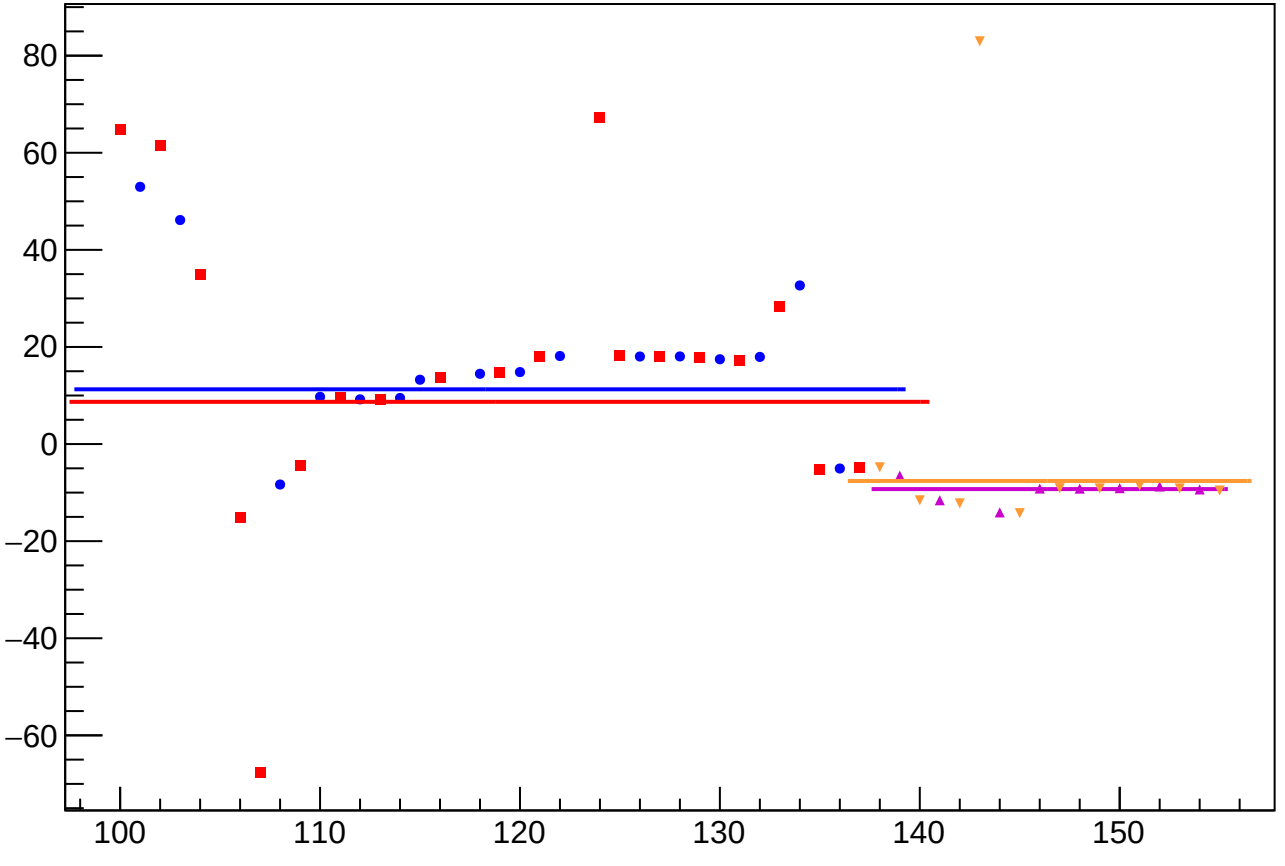
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -0.867+/-0.320 χ^2/NDF:1331.6/23

Out: -0.900+/-0.316 χ^2/NDF:1509.2/28

All: -0.884+/-0.225 χ^2/NDF: 2840.7/52

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.603+/-0.019 χ^2/NDF:474758.3/9

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.276+/-0.019 χ^2/NDF:10203.3/7

Left: -8.432+/-0.013 χ^2/NDF: 488875.3/17

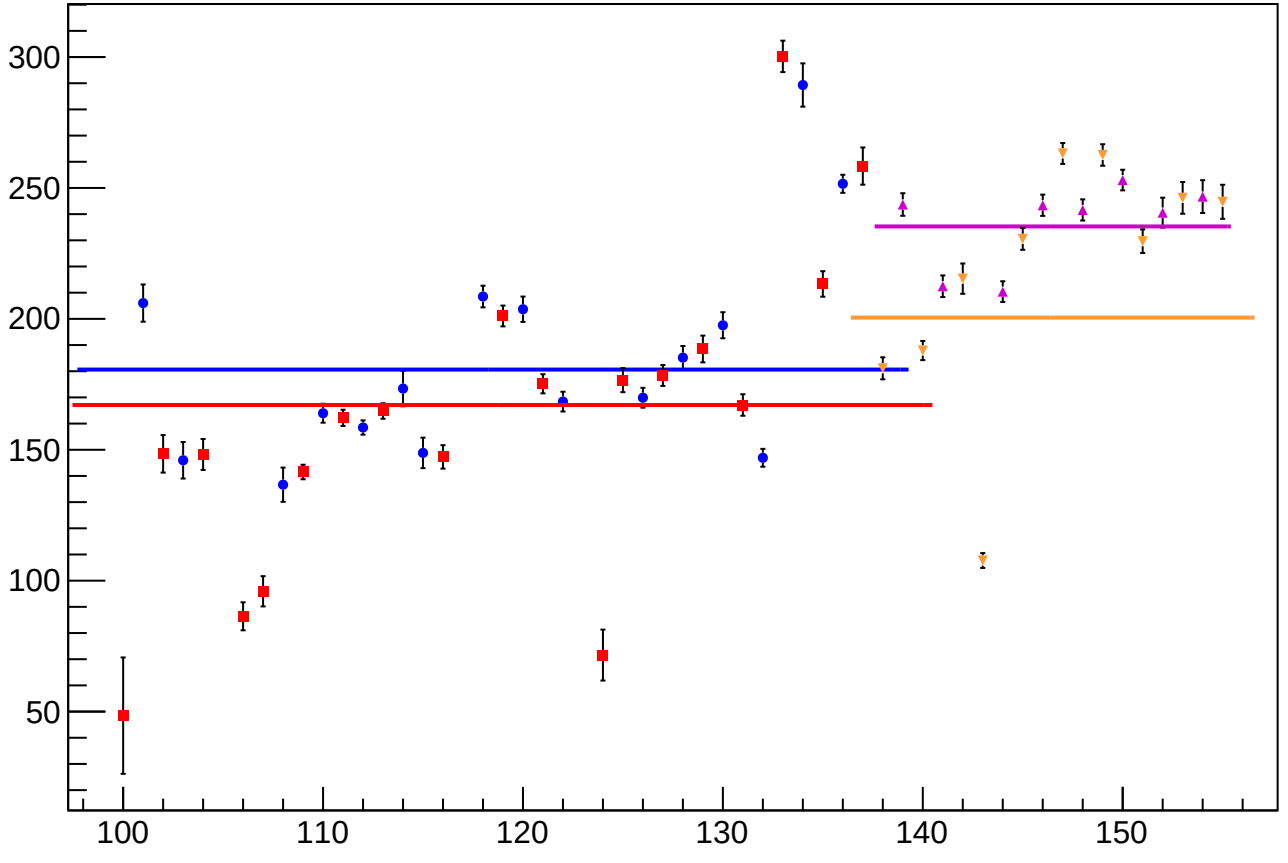
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -3.370+/-0.016 χ^2/NDF:695777.8/23

Out: -3.292+/-0.016 χ^2/NDF:1108876.8/28

All: -3.331+/-0.011 χ^2/NDF: 1804666.2/52

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: 200.487+/-1.331 χ^2/NDF:1778.5/9

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 235.304+/-1.546 χ^2/NDF:104.7/7

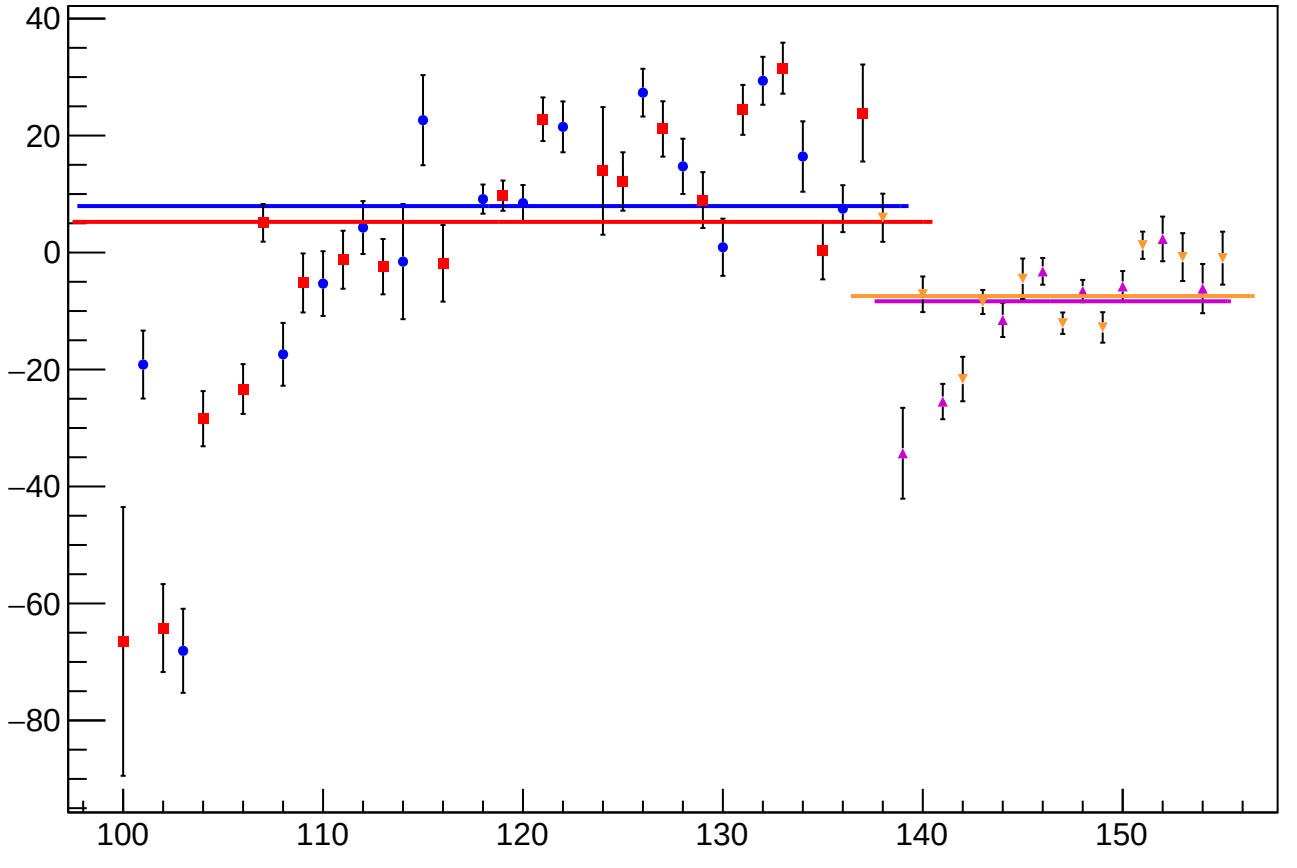
Left: 215.316+/-1.009 χ^2/NDF: 2174.6/17

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 198.786+/-0.891 χ^2/NDF:1933.9/23

Out: 179.463+/-0.810 χ^2/NDF:3659.1/28

All: 188.212+/-0.599 χ^2/NDF: 5850.6/52



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.441+/-0.879 χ^2/NDF:54.8/9

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -8.332+/-1.010 χ^2/NDF:59.4/7

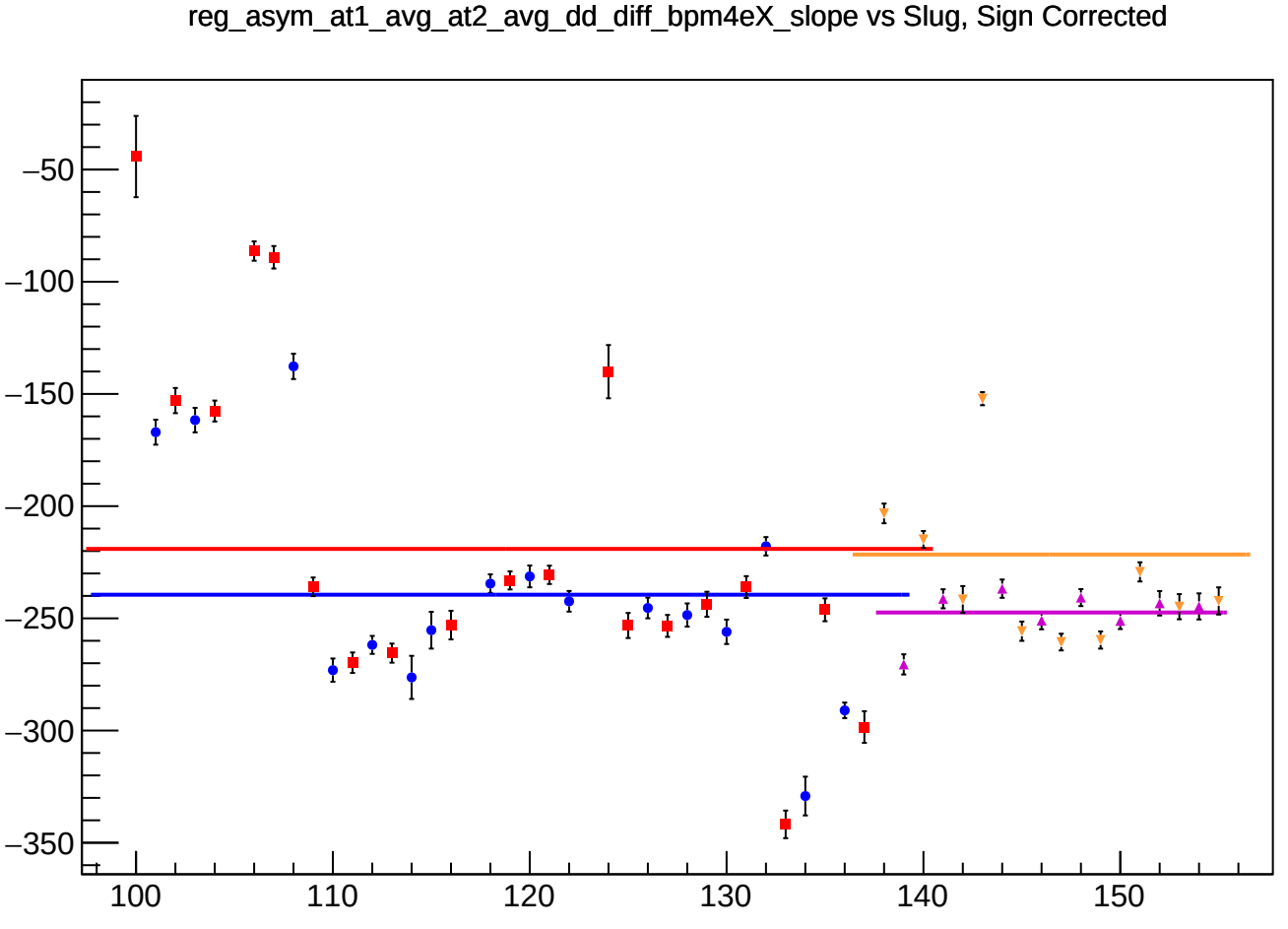
Left: -7.825+/-0.663 χ^2/NDF: 114.7/17

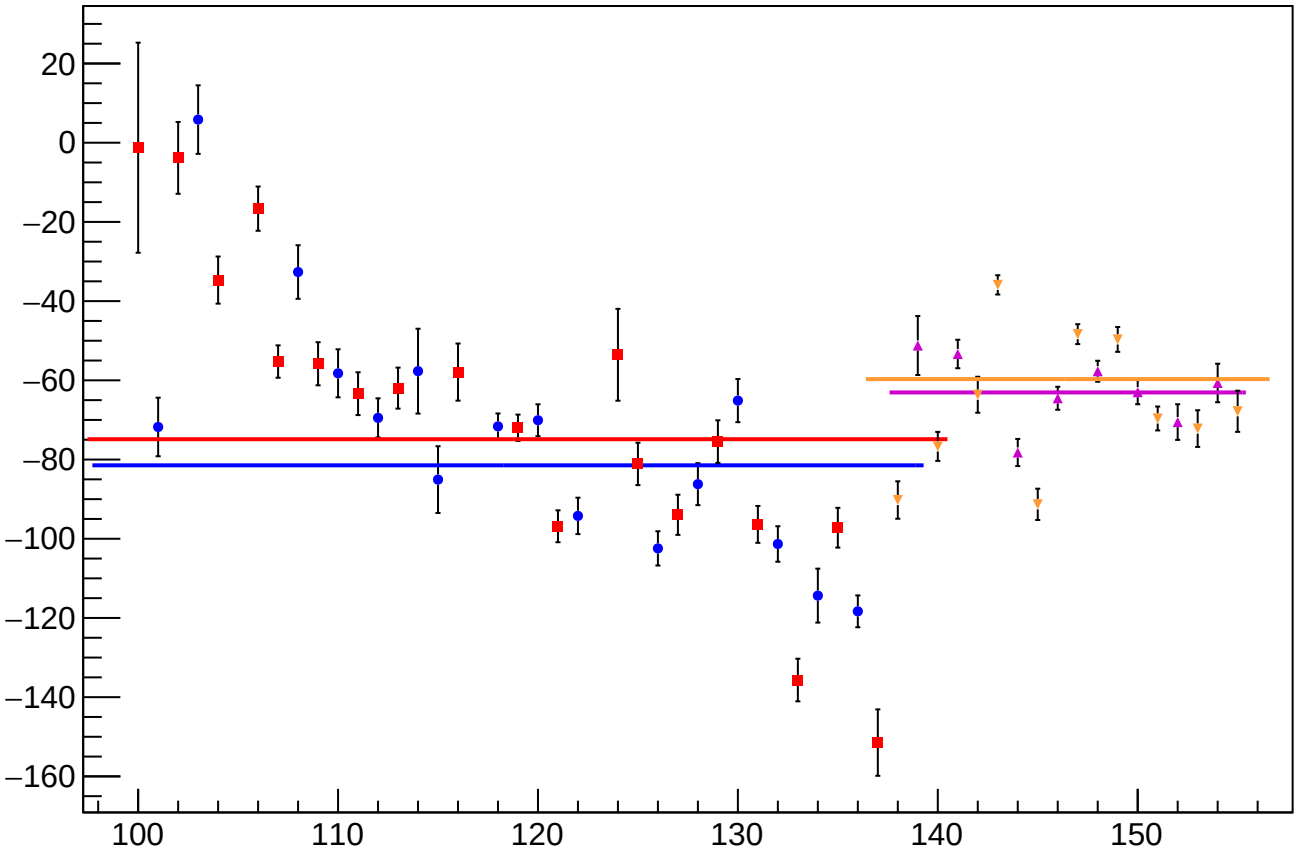
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.983+/-0.748 χ^2/NDF:409.6/23

Out: -2.283+/-0.677 χ^2/NDF:442.4/28

All: -1.697+/-0.502 χ^2/NDF: 853.6/52


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: -221.554+/-1.318 χ²/NDF:900.8/9
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -247.391+/-1.510 χ²/NDF:41.1/7
Left: -232.727+/-0.993 χ²/NDF: 1108.1/17
Right: -228.679+/-0.855 χ²/NDF: 4353.5/34
In: -242.677+/-0.961 χ²/NDF:1219.7/23
Out: -220.162+/-0.878 χ²/NDF:3952.1/28
All: -230.403+/-0.648 χ²/NDF: 5471.2/52



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -59.688+/-1.083 χ^2/NDF:274.4/9

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.057+/-1.249 χ^2/NDF:36.7/7

Left: -61.133+/-0.818 χ^2/NDF: 315.3/17

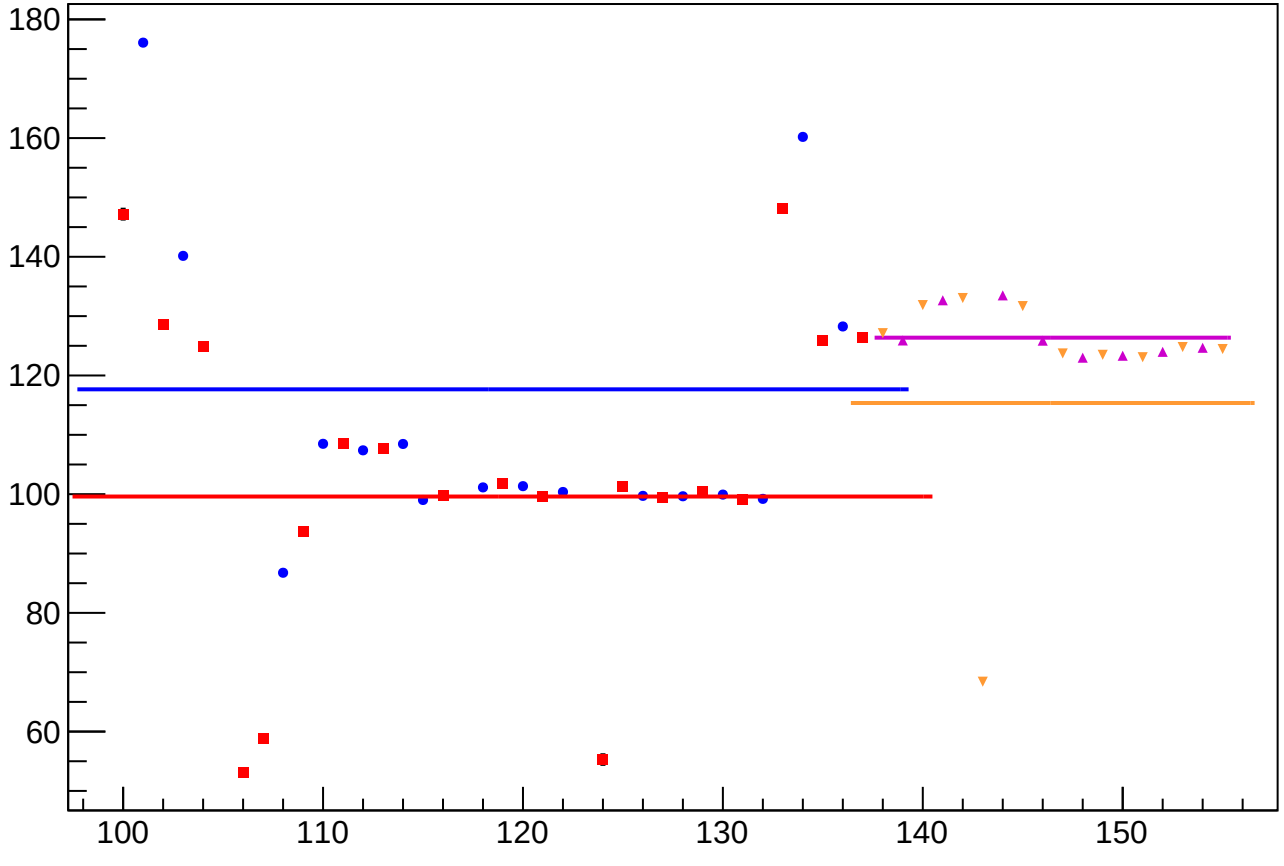
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -71.986+/-0.896 χ^2/NDF:508.5/23

Out: -66.311+/-0.813 χ^2/NDF:936.8/28

All: -68.871+/-0.602 χ^2/NDF: 1467.3/52

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: 115.364+/-0.054 χ^2/NDF:189093.5/9

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.370+/-0.060 χ^2/NDF:3982.5/7

Left: 120.253+/-0.040 χ^2/NDF: 211742.9/17

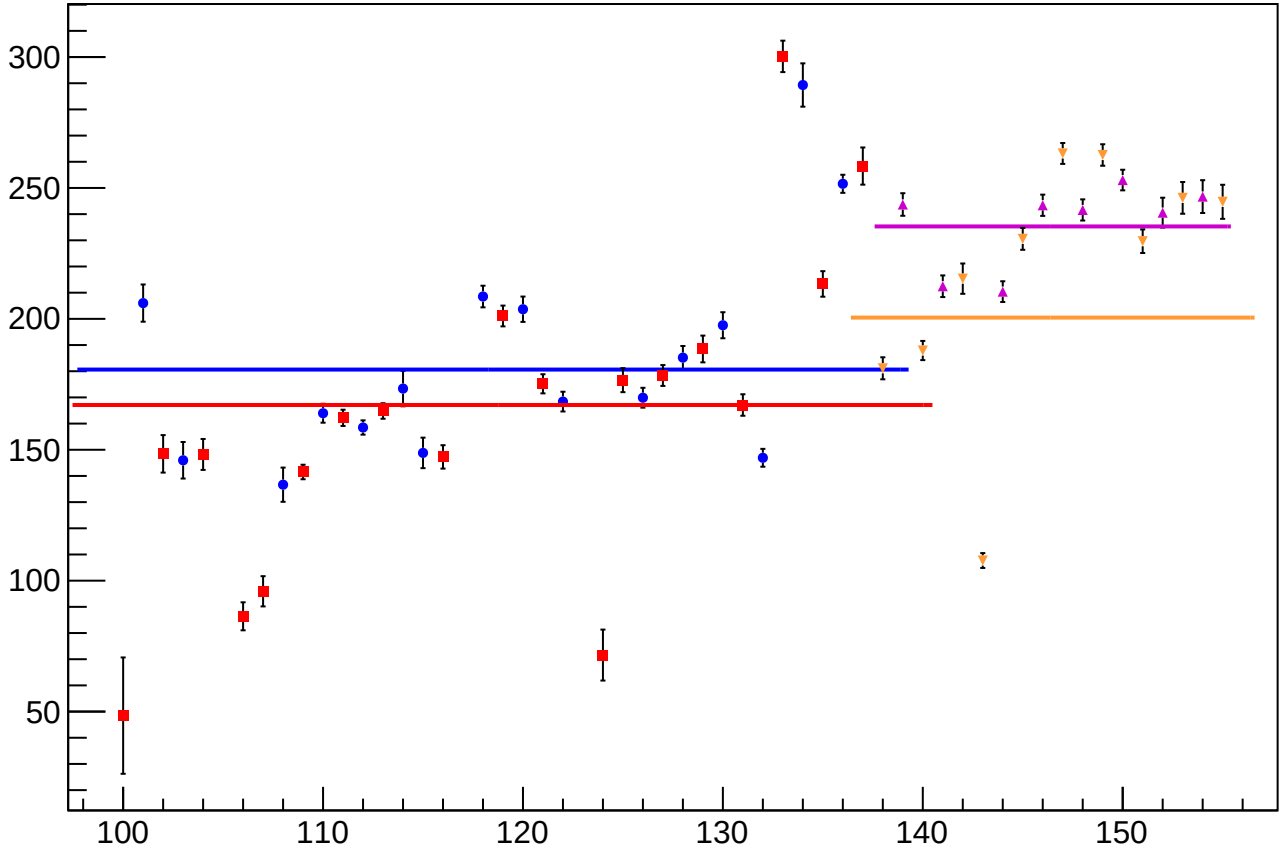
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.144+/-0.048 χ^2/NDF:107165.8/23

Out: 109.558+/-0.043 χ^2/NDF:387066.6/28

All: 115.605+/-0.032 χ^2/NDF: 539351.5/52

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: 200.487+/-1.331 χ^2/NDF:1778.5/9

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 235.304+/-1.546 χ^2/NDF:104.7/7

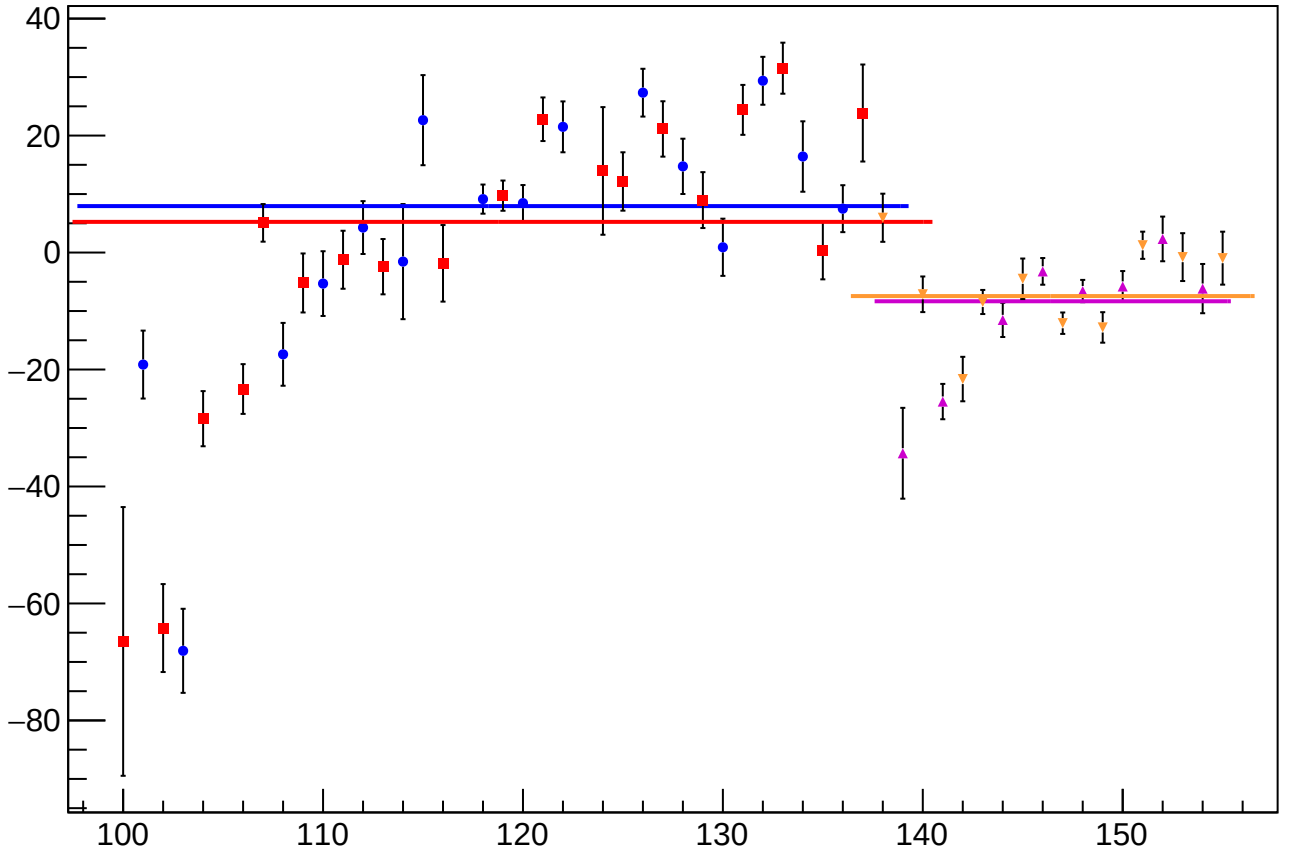
Left: 215.316+/-1.009 χ^2/NDF: 2174.6/17

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 198.786+/-0.891 χ^2/NDF:1933.9/23

Out: 179.463+/-0.810 χ^2/NDF:3659.1/28

All: 188.212+/-0.599 χ^2/NDF: 5850.6/52



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -7.441+/-0.879 χ^2/NDF:54.8/9

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -8.332+/-1.010 χ^2/NDF:59.4/7

Left: -7.825+/-0.663 χ^2/NDF: 114.7/17

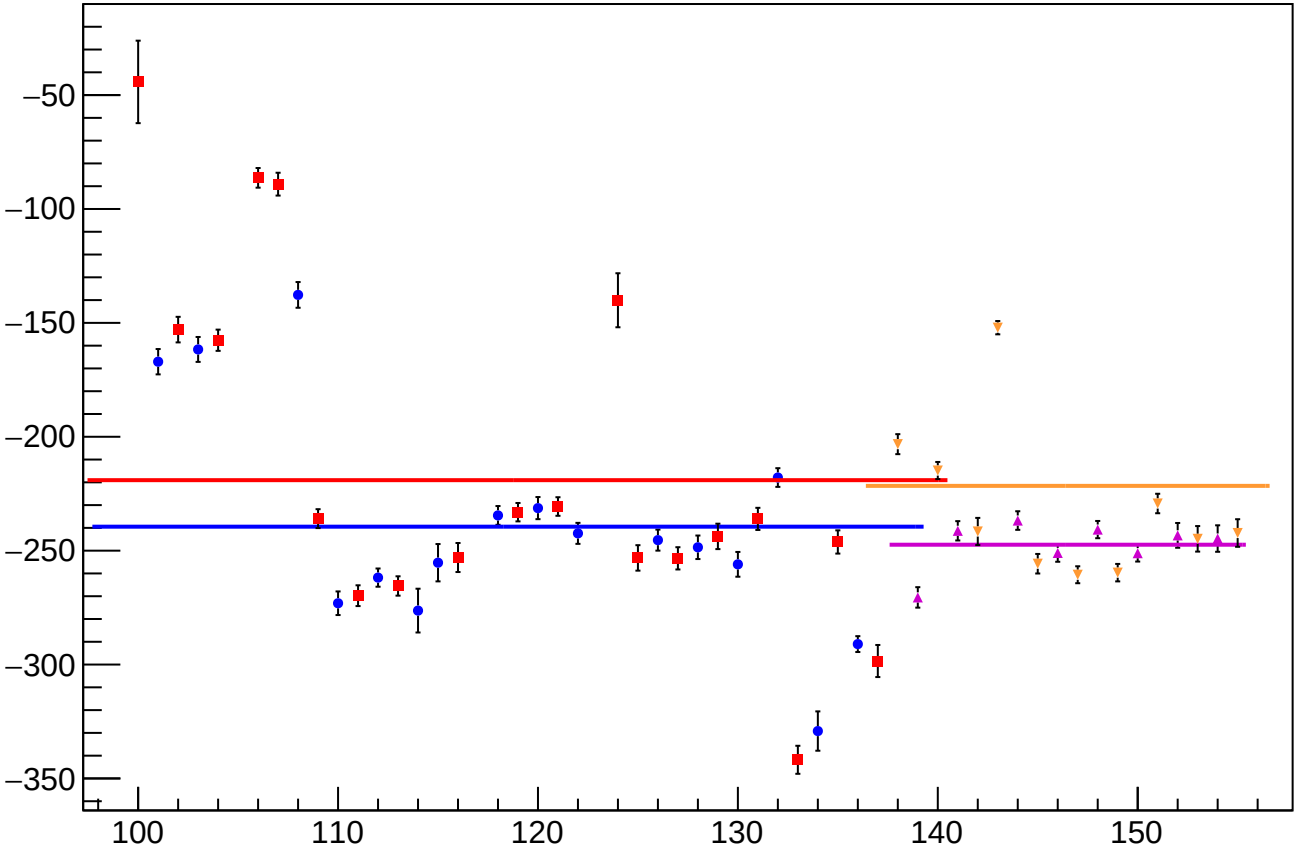
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.983+/-0.748 χ^2/NDF:409.6/23

Out: -2.283+/-0.677 χ^2/NDF:442.4/28

All: -1.697+/-0.502 χ^2/NDF: 853.6/52

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: -221.554+/-1.318 χ^2/NDF:900.8/9

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.391+/-1.510 χ^2/NDF:41.1/7

Left: -232.727+/-0.993 χ^2/NDF: 1108.1/17

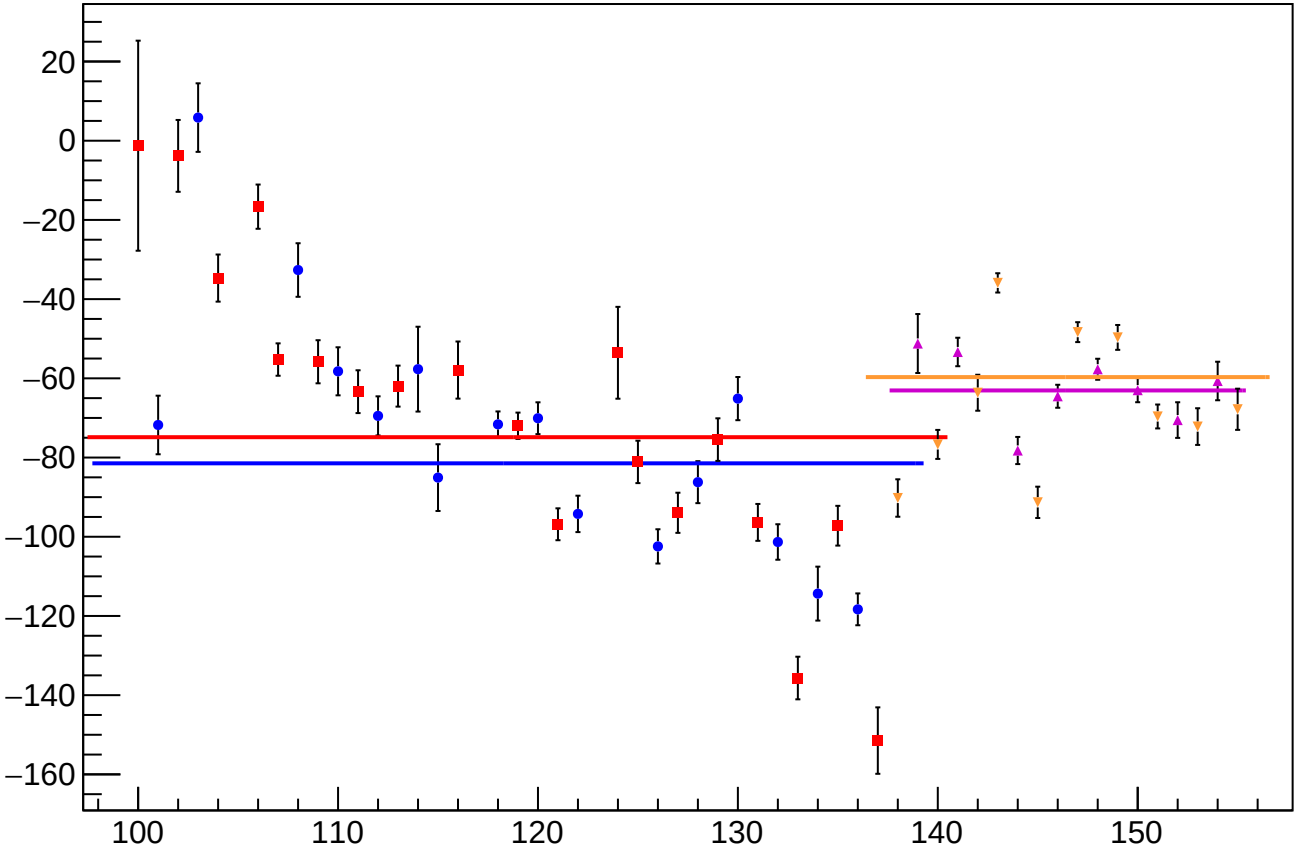
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.677+/-0.961 χ^2/NDF:1219.7/23

Out: -220.162+/-0.878 χ^2/NDF:3952.1/28

All: -230.403+/-0.648 χ^2/NDF: 5471.2/52

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -59.688+/-1.083 χ^2/NDF:274.4/9

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.057+/-1.249 χ^2/NDF:36.7/7

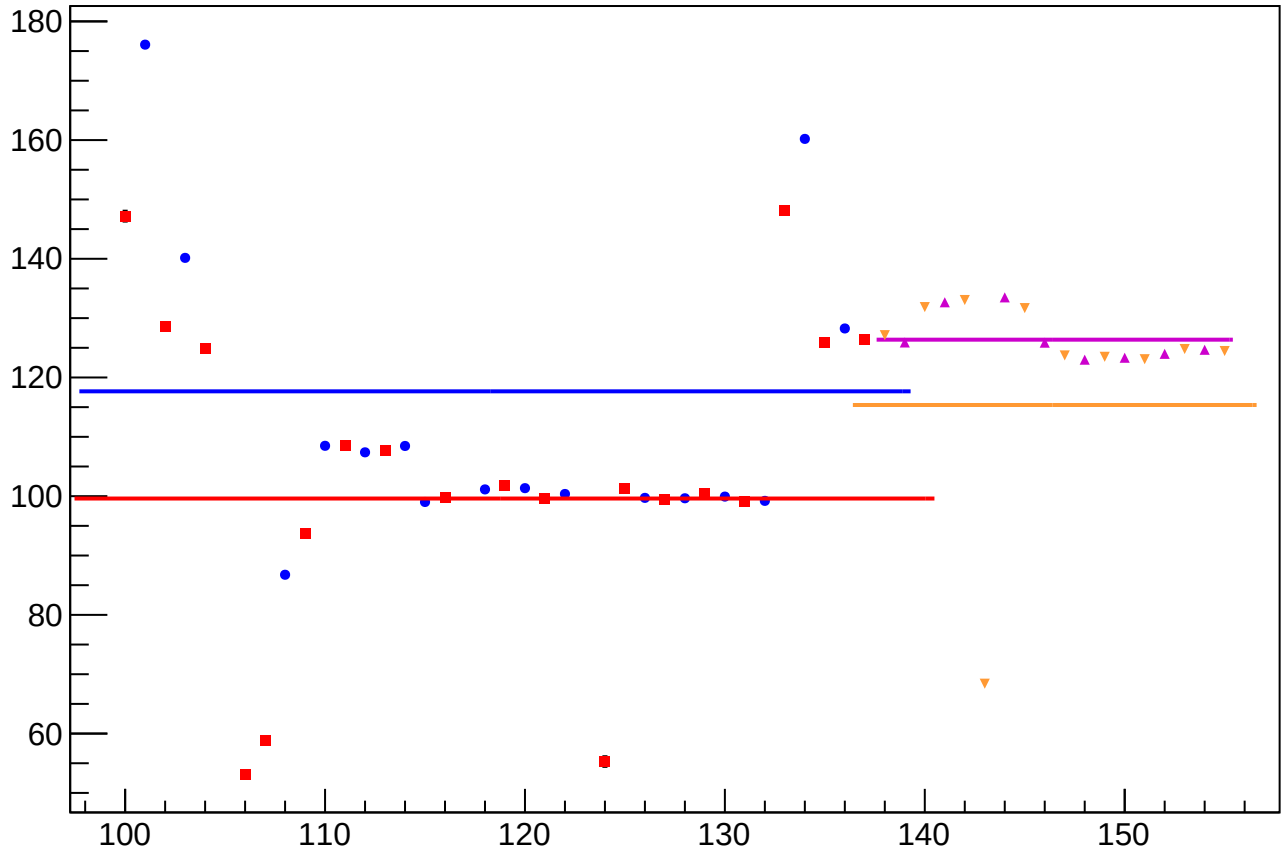
Left: -61.133+/-0.818 χ^2/NDF: 315.3/17

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -71.986+/-0.896 χ^2/NDF:508.5/23

Out: -66.311+/-0.813 χ^2/NDF:936.8/28

All: -68.871+/-0.602 χ^2/NDF: 1467.3/52



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 115.364+/-0.054 χ^2/NDF:189093.5/9

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.370+/-0.060 χ^2/NDF:3982.5/7

Left: 120.253+/-0.040 χ^2/NDF: 211742.9/17

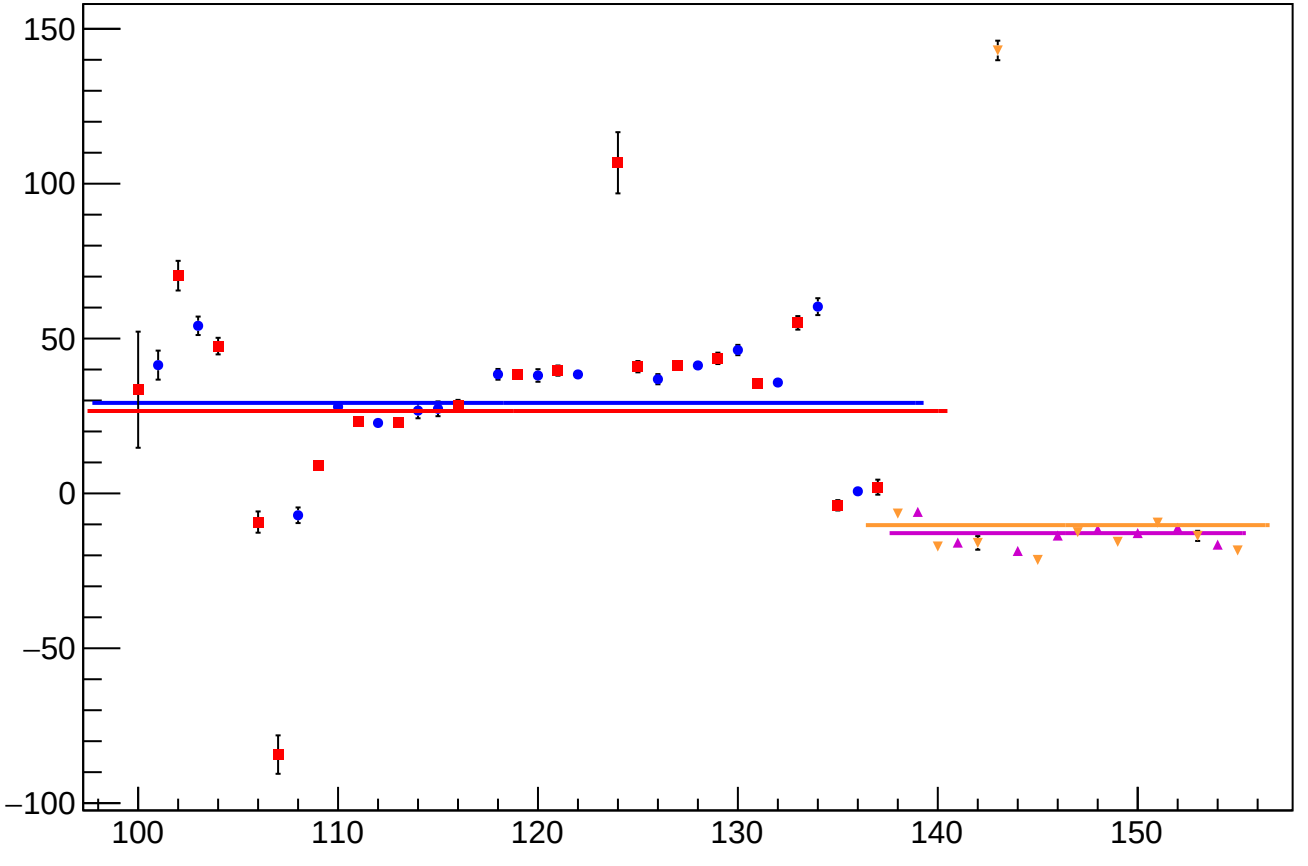
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.144+/-0.048 χ^2/NDF:107165.8/23

Out: 109.558+/-0.043 χ^2/NDF:387066.6/28

All: 115.605+/-0.032 χ^2/NDF: 539351.5/52

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: -10.240+/-0.490 χ^2/NDF:2503.0/9

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.827+/-0.501 χ^2/NDF:58.7/7

Left: -11.503+/-0.350 χ^2/NDF: 2575.3/17

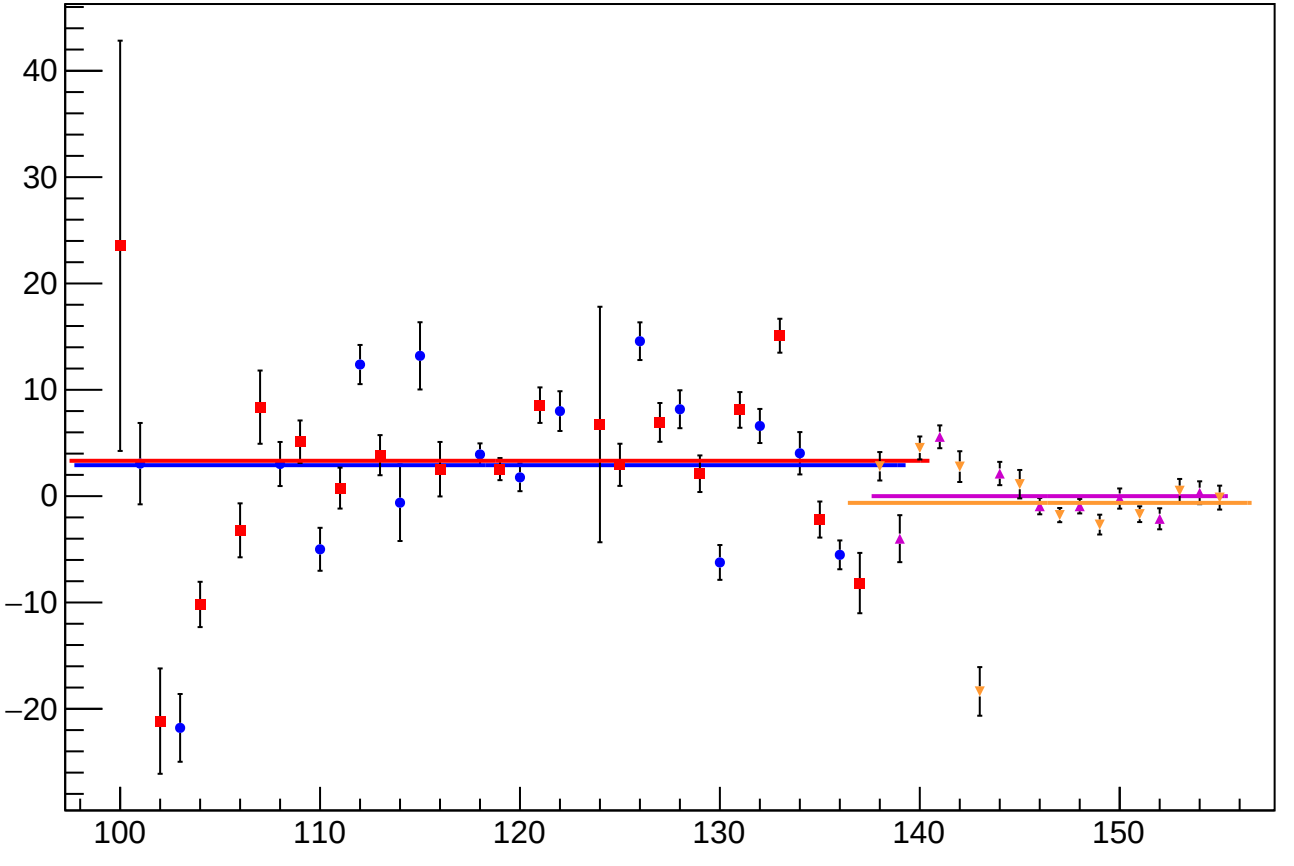
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 11.683+/-0.324 χ^2/NDF:5500.8/23

Out: 11.248+/-0.316 χ^2/NDF:7724.8/28

All: 11.460+/-0.226 χ^2/NDF: 13226.5/52

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: -0.632+/-0.325 χ^2/NDF:108.0/9

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.000+/-0.338 χ^2/NDF:42.3/7

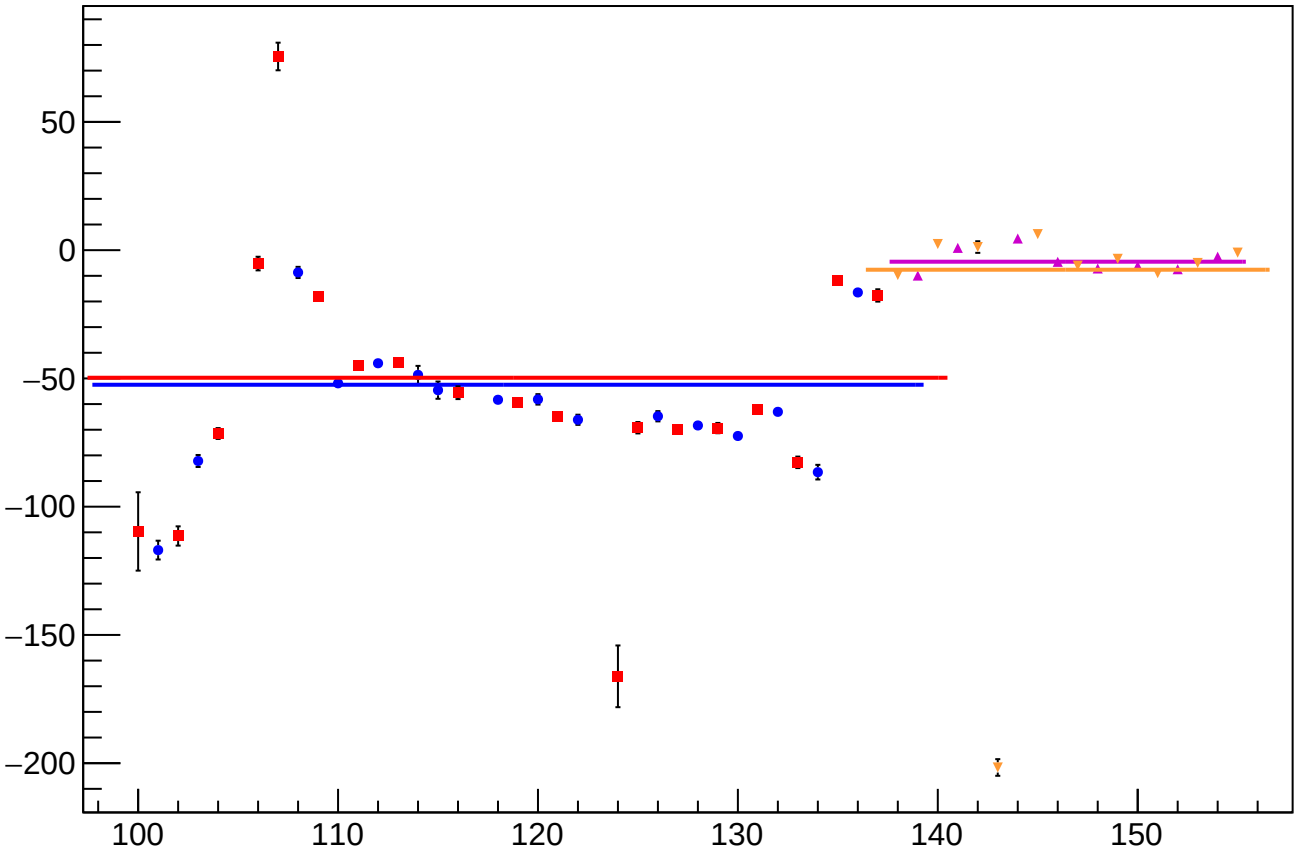
Left: -0.328+/-0.234 χ^2/NDF: 152.1/17

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.073+/-0.269 χ^2/NDF:319.6/23

Out: 0.710+/-0.264 χ^2/NDF:340.1/28

All: 0.888+/-0.188 χ^2/NDF: 660.6/52



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -7.626+/-0.479 χ^2/NDF:3764.1/9

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.499+/-0.489 χ^2/NDF:77.6/7

Left: -6.097+/-0.342 χ^2/NDF: 3862.6/17

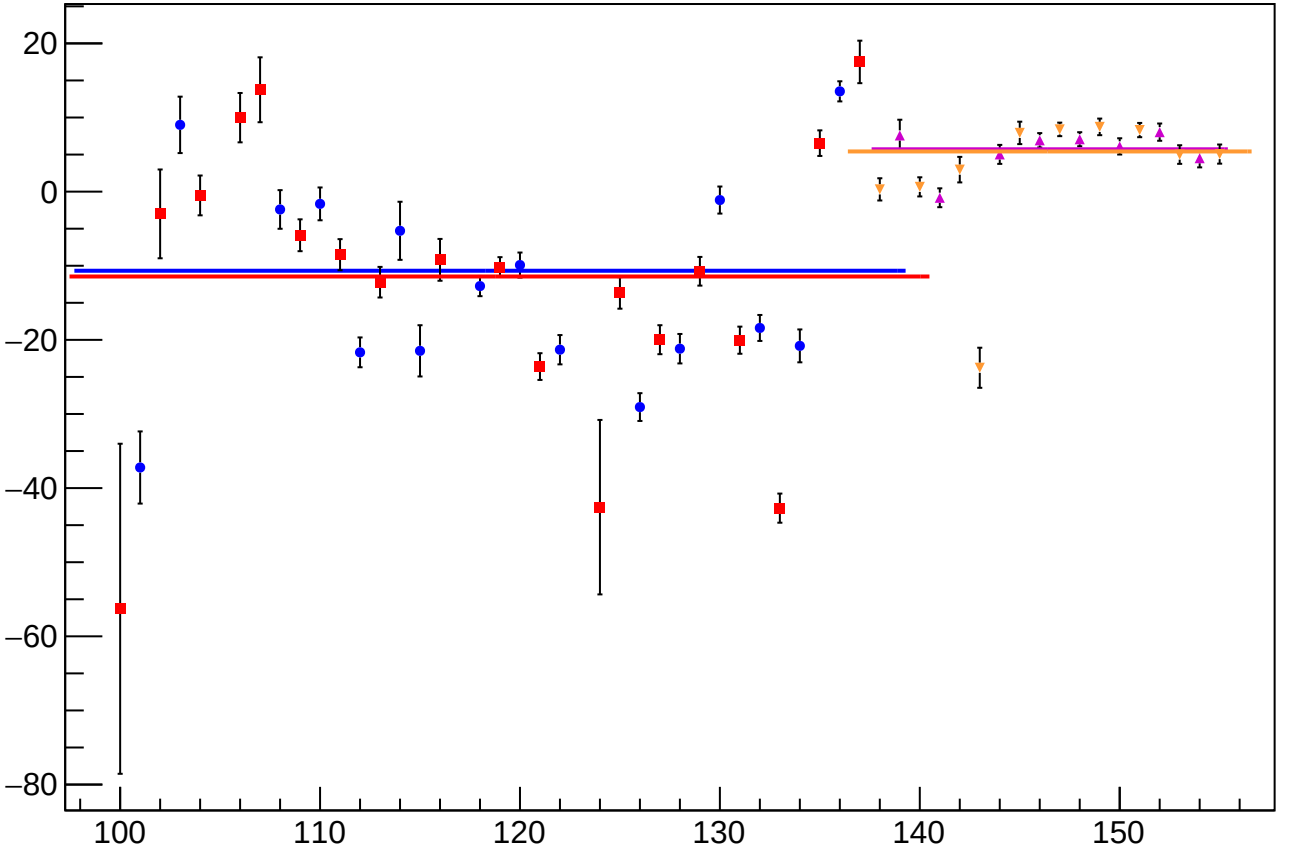
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -28.566+/-0.346 χ^2/NDF:7226.3/23

Out: -28.019+/-0.344 χ^2/NDF:10520.1/28

All: -28.291+/-0.244 χ^2/NDF: 17747.7/52

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: 5.421+/-0.399 χ^2/NDF:175.1/9

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.713+/-0.414 χ^2/NDF:36.1/7

Left: 5.562+/-0.287 χ^2/NDF: 211.4/17

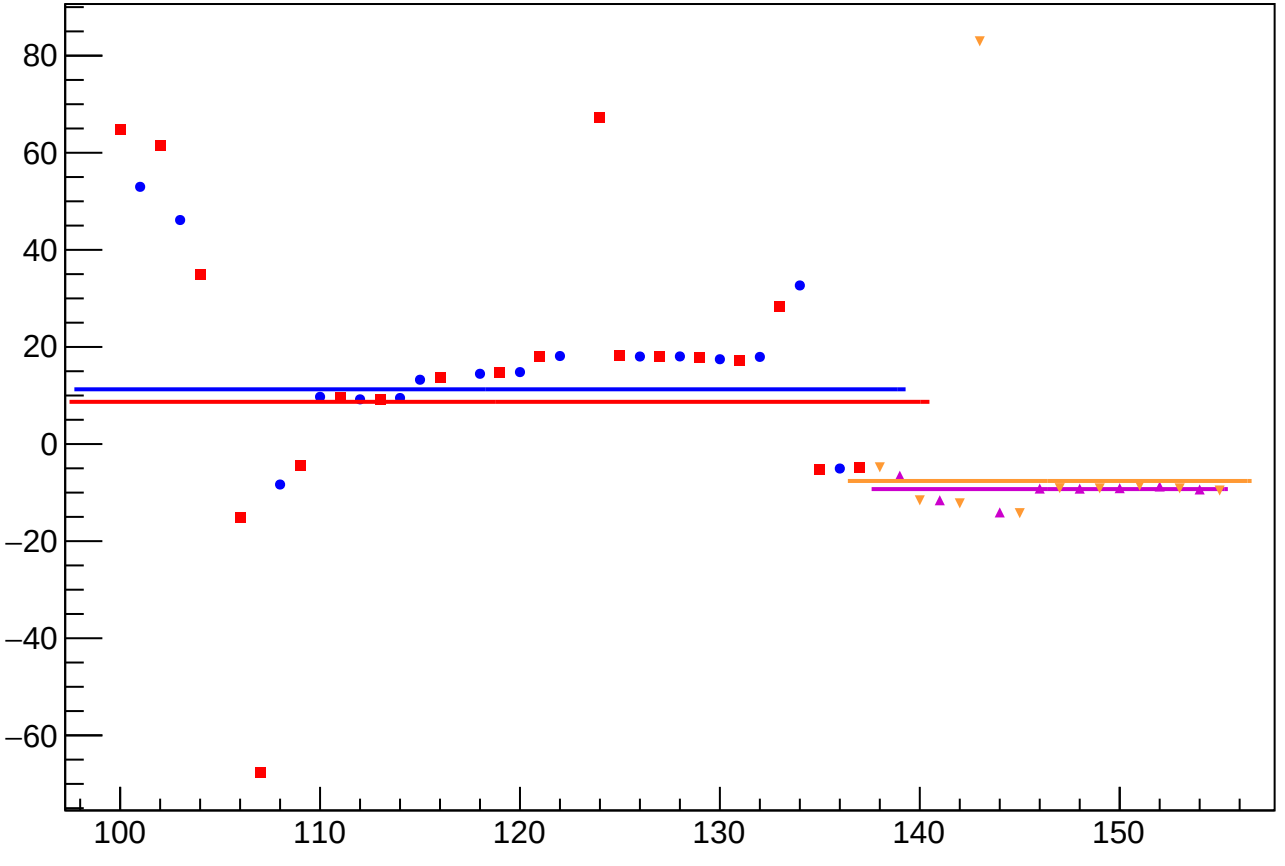
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -0.867+/-0.320 χ^2/NDF:1331.6/23

Out: -0.900+/-0.316 χ^2/NDF:1509.2/28

All: -0.884+/-0.225 χ^2/NDF: 2840.7/52

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.603+/-0.019 χ^2/NDF:474758.3/9

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.276+/-0.019 χ^2/NDF:10203.3/7

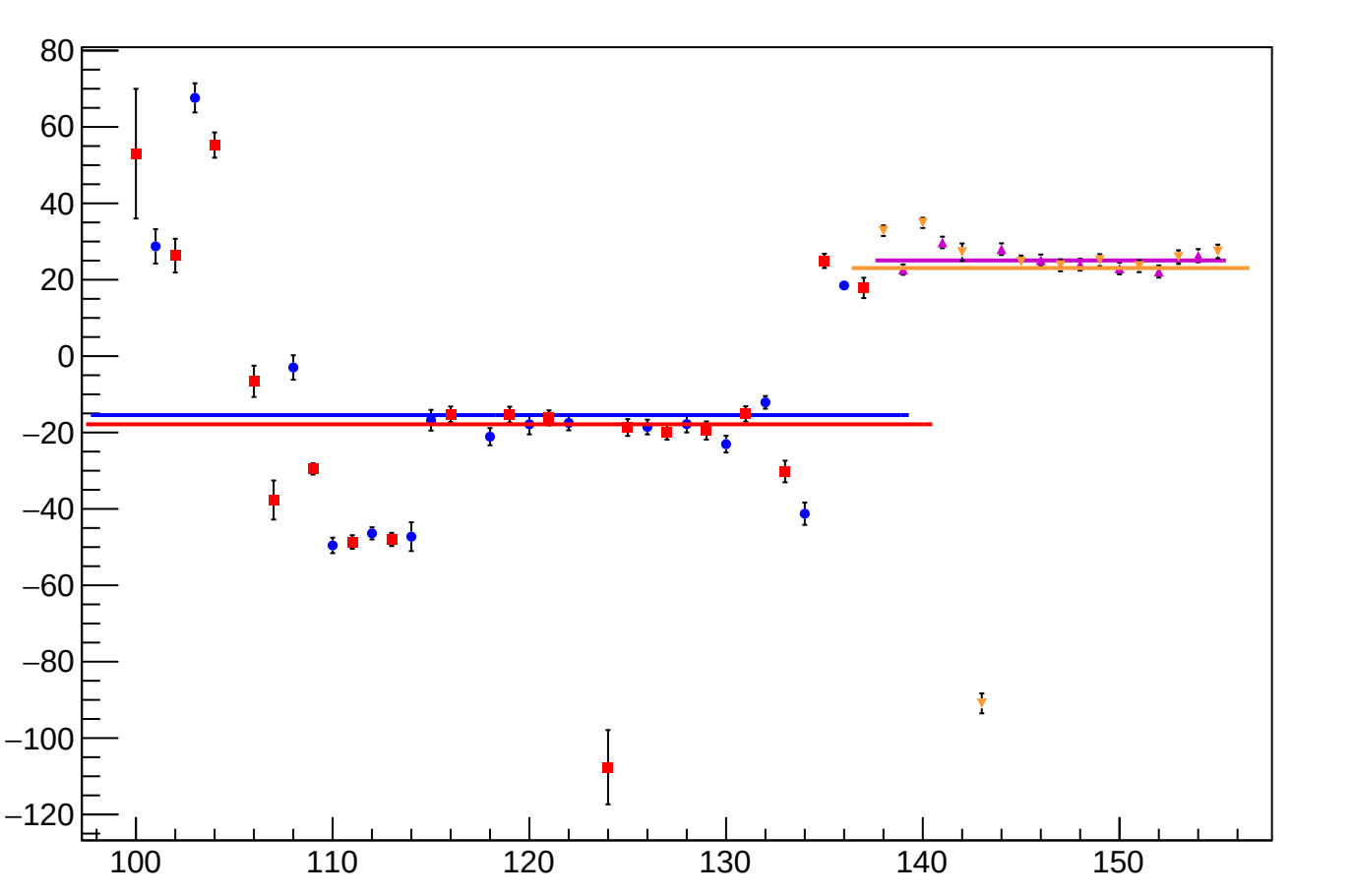
Left: -8.432+/-0.013 χ^2/NDF: 488875.3/17

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -3.370+/-0.016 χ^2/NDF:695777.8/23

Out: -3.292+/-0.016 χ^2/NDF:1108876.8/28

All: -3.331+/-0.011 χ^2/NDF: 1804666.2/52



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.060+/-0.524 χ^2/NDF:2045.7/9

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.046+/-0.540 χ^2/NDF:22.7/7

Left: 24.023+/-0.376 χ^2/NDF: 2075.4/17

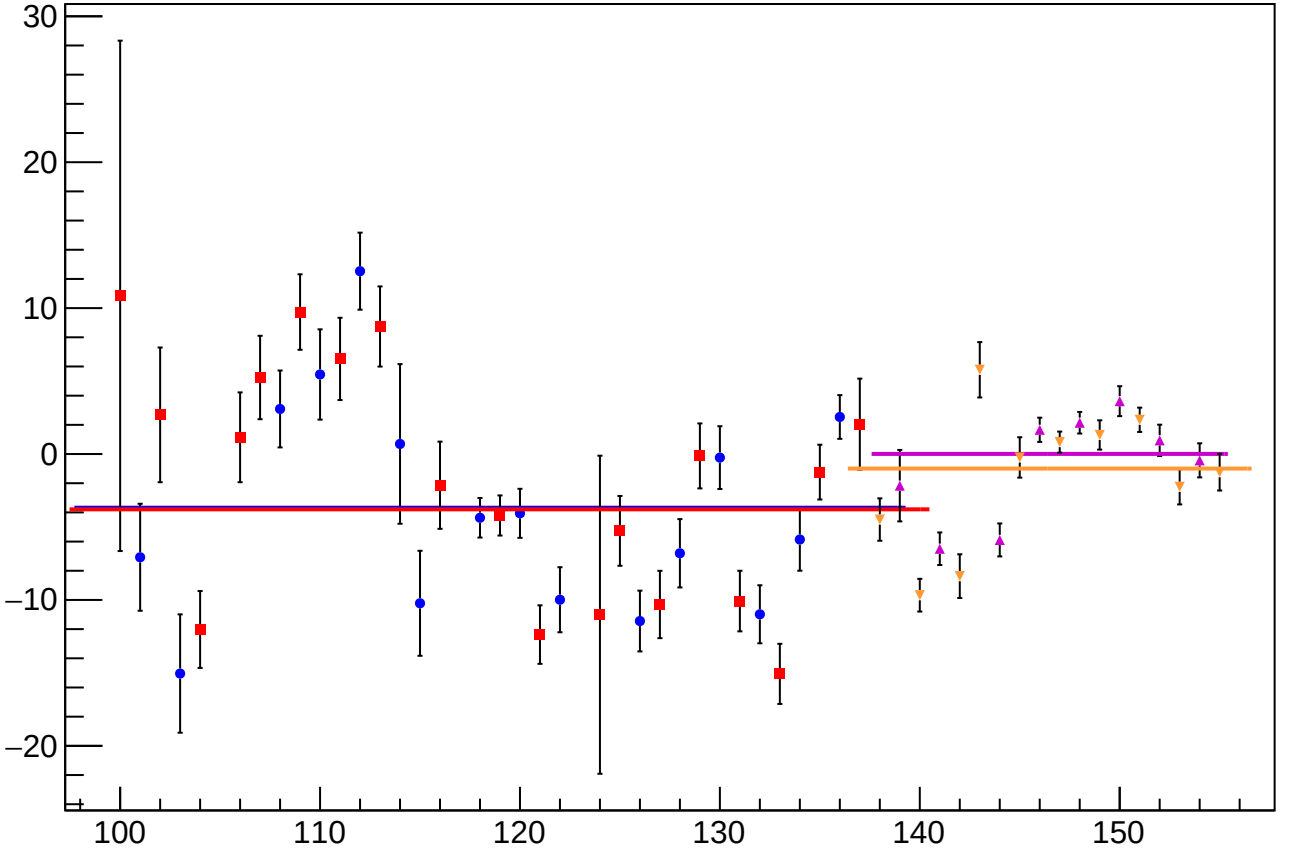
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 4.774+/-0.381 χ^2/NDF:4962.9/23

Out: 2.824+/-0.373 χ^2/NDF:7185.6/28

All: 3.776+/-0.267 χ^2/NDF: 12161.9/52

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: -0.996+/-0.349 χ^2/NDF:131.8/9

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: 0.008+/-0.363 χ^2/NDF:87.6/7

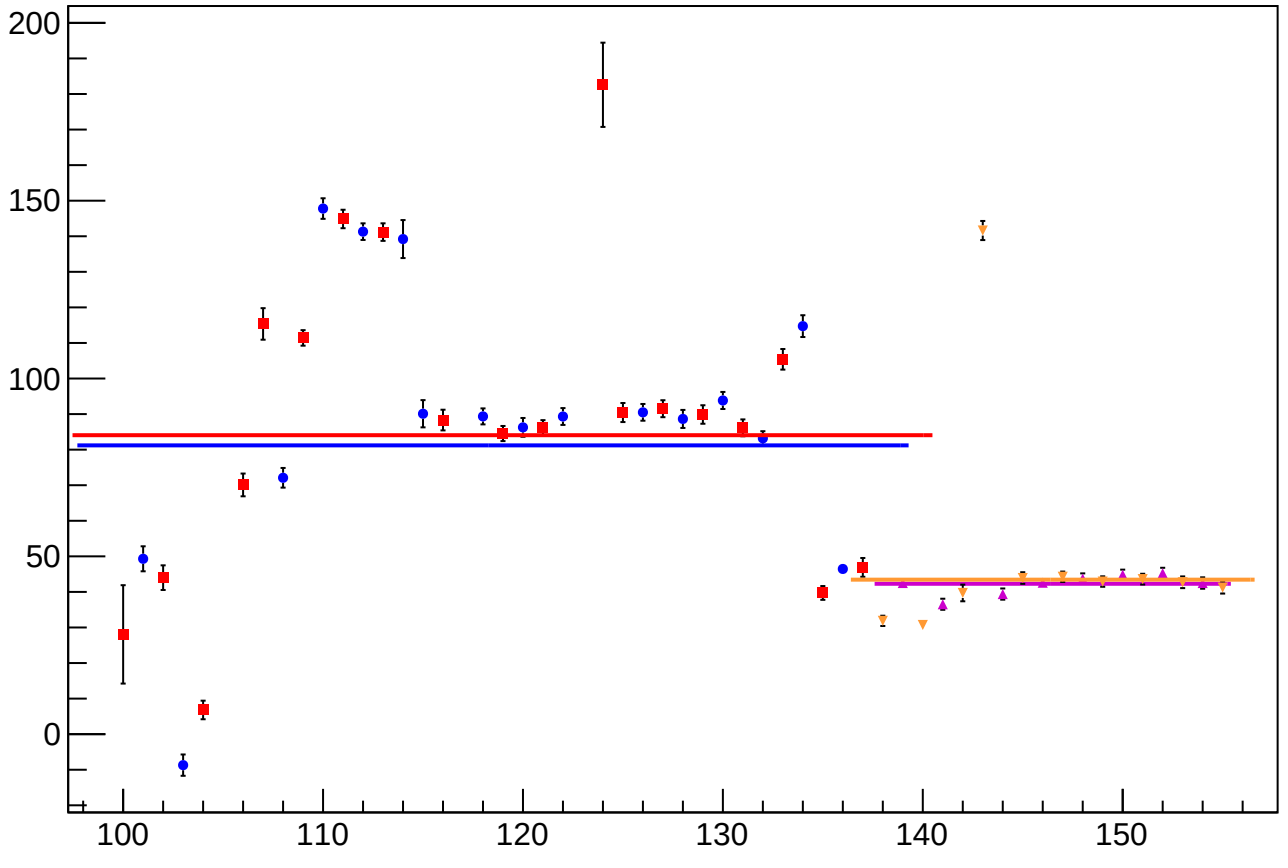
Left: -0.513+/-0.252 χ^2/NDF: 223.4/17

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.106+/-0.303 χ^2/NDF:242.8/23

Out: -1.771+/-0.297 χ^2/NDF:310.8/28

All: -1.446+/-0.212 χ^2/NDF: 556.0/52



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.445+/-0.513 χ^2/NDF:1489.6/9

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 42.289+/-0.527 χ^2/NDF:25.2/7

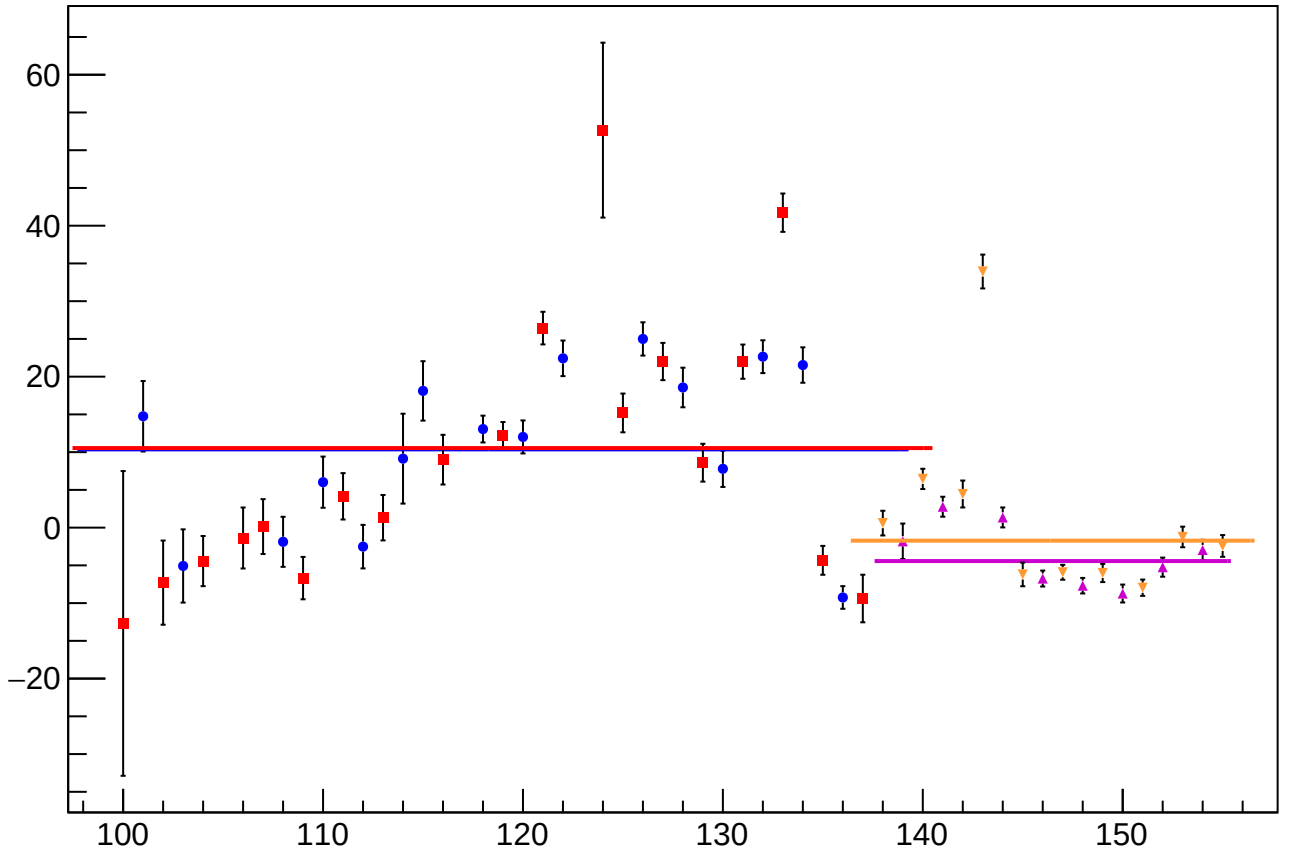
Left: 42.883+/-0.368 χ^2/NDF: 1517.3/17

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

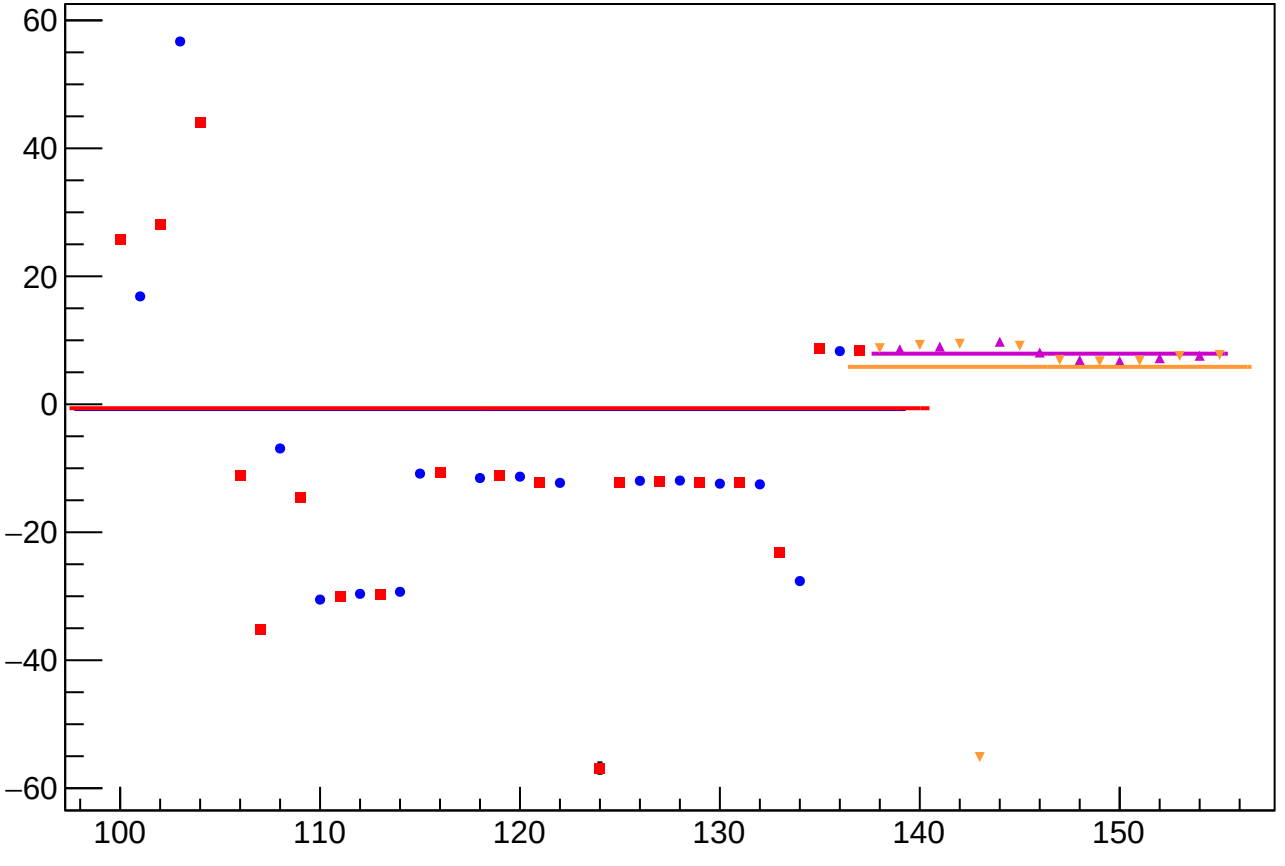
In: 59.023+/-0.398 χ^2/NDF:5597.8/23

Out: 60.086+/-0.394 χ^2/NDF:7260.8/28

All: 59.559+/-0.280 χ^2/NDF: 12862.2/52


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: -1.728+/-0.429 χ²/NDF:376.7/9
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -4.430+/-0.445 χ²/NDF:79.6/7
Left: -3.030+/-0.309 χ²/NDF: 475.4/17
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.530+/-0.363 χ²/NDF:810.2/23
Out: 2.073+/-0.356 χ²/NDF:1100.8/28
All: 1.315+/-0.254 χ²/NDF: 1920.1/52

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: 5.850+/-0.020 χ^2/NDF:310314.9/9

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.911+/-0.021 χ^2/NDF:2091.0/7

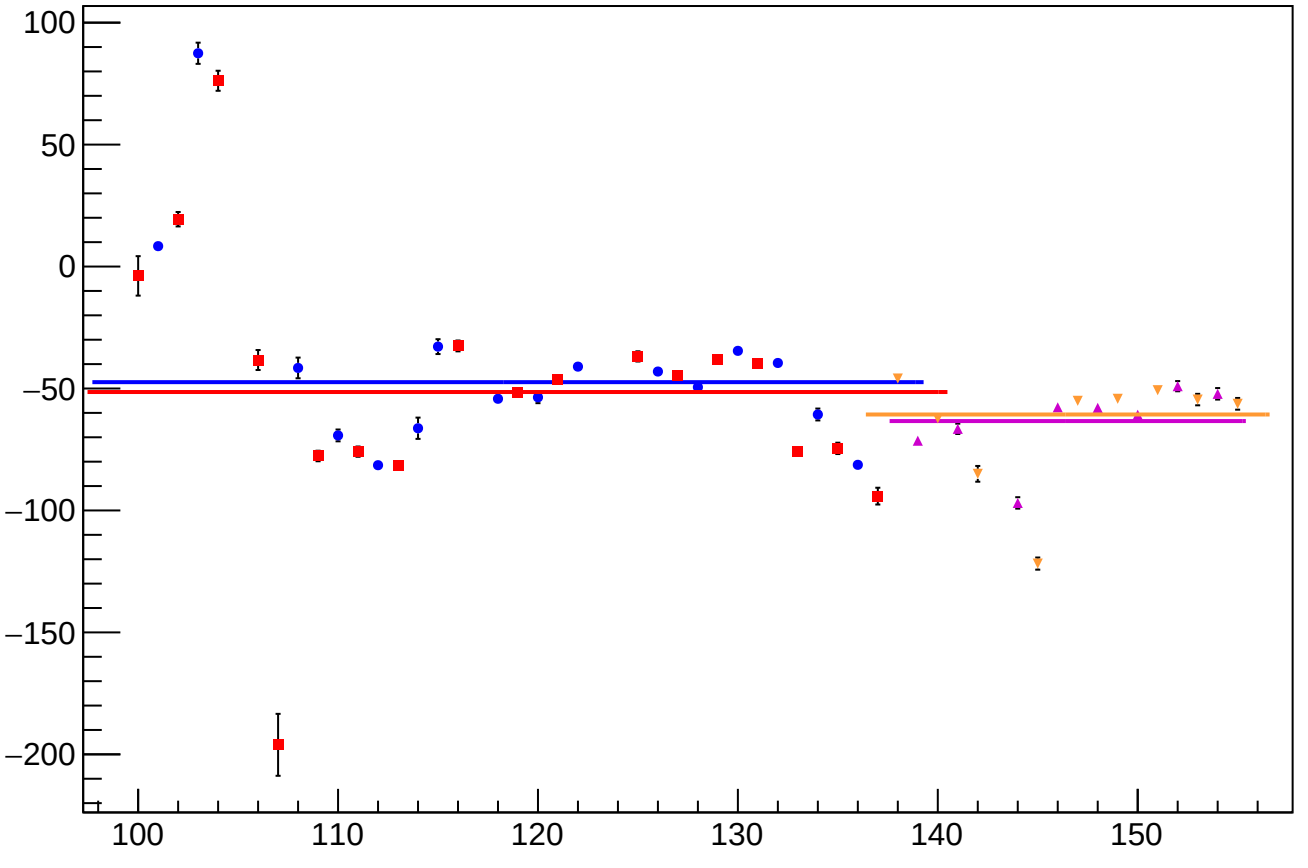
Left: 6.869+/-0.014 χ^2/NDF: 317506.2/17

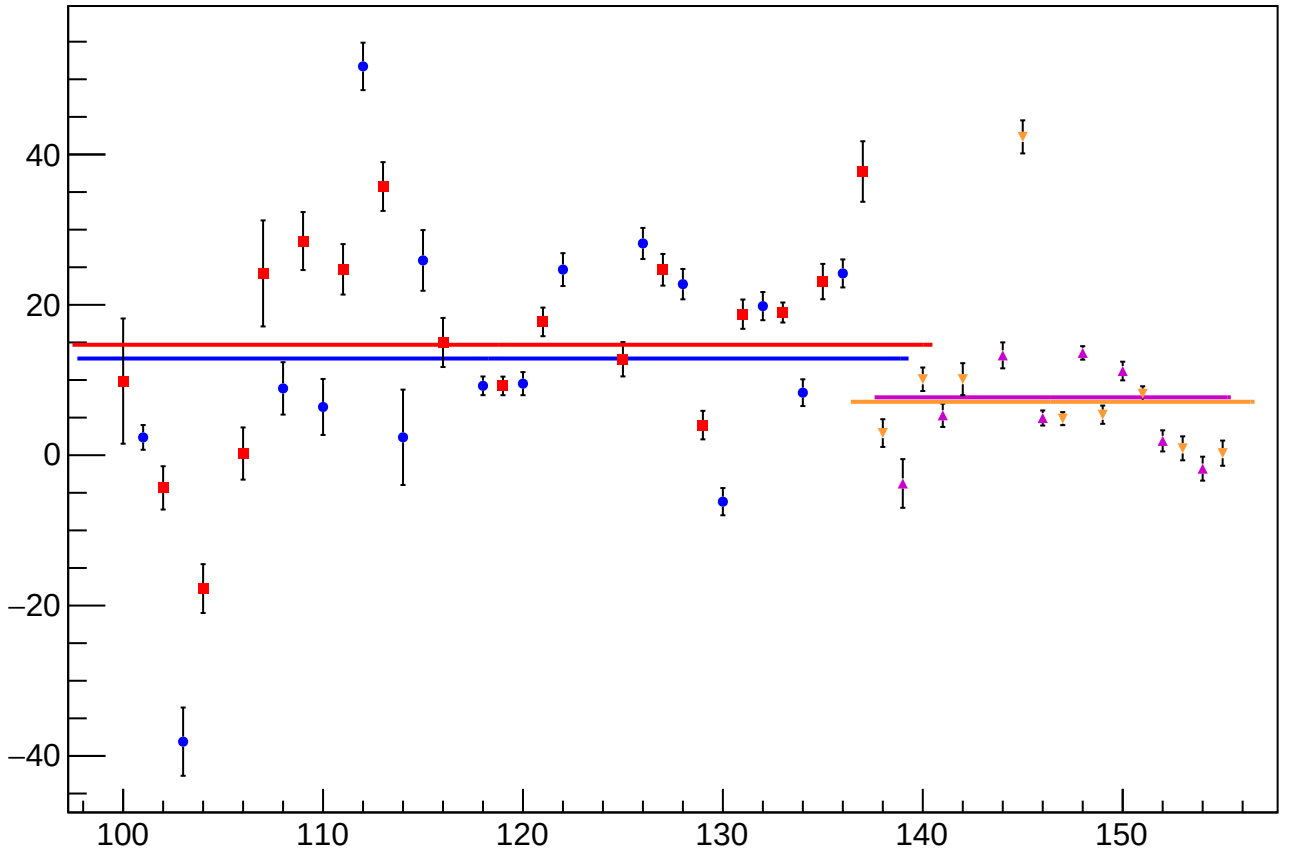
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.777+/-0.018 χ^2/NDF:413937.3/23

Out: 4.375+/-0.018 χ^2/NDF:649983.6/28

All: 5.076+/-0.013 χ^2/NDF: 1067012.4/52


reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
Right In: -47.398+/-0.535 χ²/NDF: 2769.0/15
Left Out: -60.657+/-0.699 χ²/NDF:785.0/8
Right Out: -51.442+/-0.545 χ²/NDF: 2872.7/17
Left In: -63.353+/-0.707 χ²/NDF:316.5/7
Left: -61.990+/-0.497 χ²/NDF: 1108.8/16
Right: -49.383+/-0.382 χ²/NDF: 5669.8/33
In: -53.208+/-0.427 χ²/NDF:3409.3/23
Out: -54.926+/-0.430 χ²/NDF:3765.7/26
All: -54.061+/-0.303 χ²/NDF: 7183.0/50



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 7.105+/-0.451 χ^2/NDF:309.0/8

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 7.699+/-0.465 χ^2/NDF:136.7/7

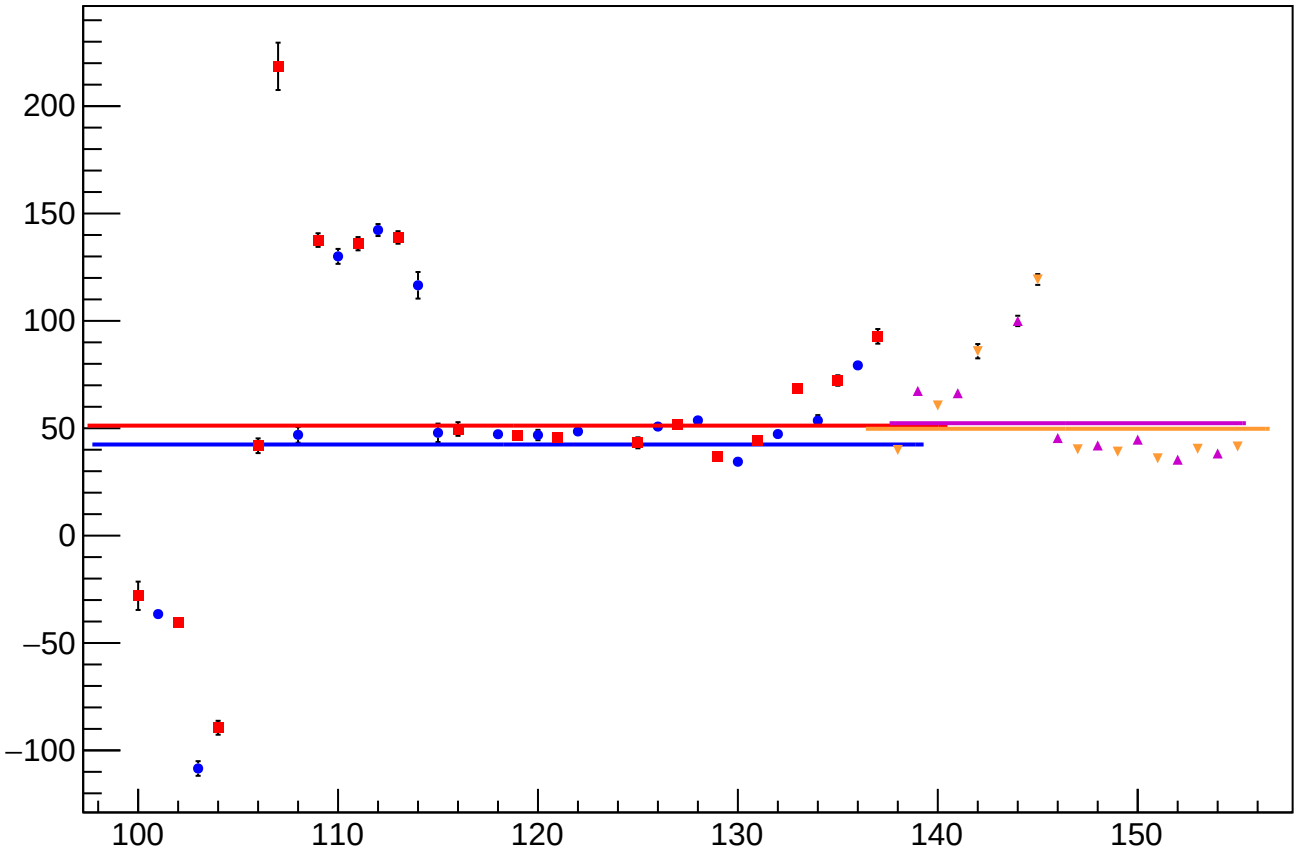
Left: 7.394+/-0.324 χ^2/NDF: 446.6/16

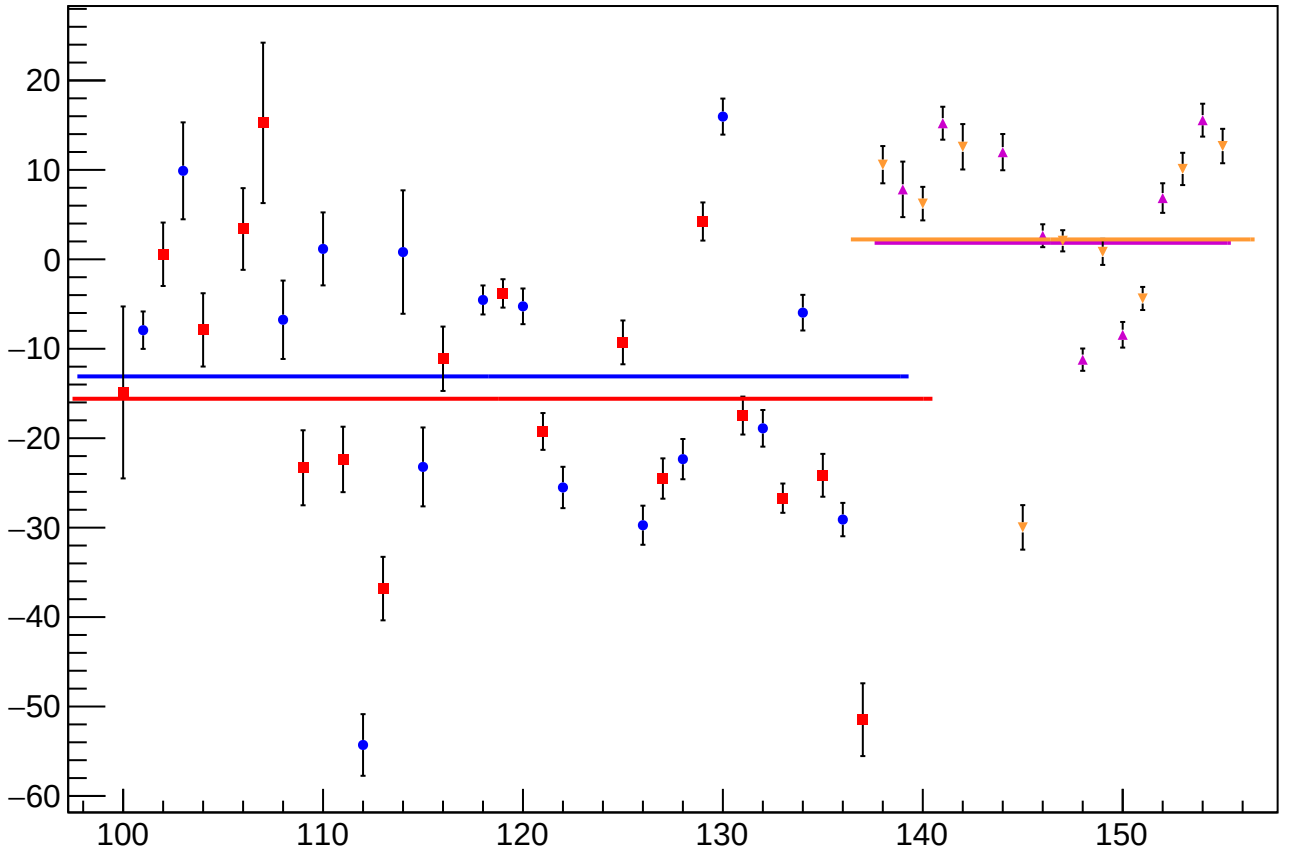
Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 9.996+/-0.346 χ^2/NDF:817.1/23

Out: 10.195+/-0.347 χ^2/NDF:788.2/26

All: 10.095+/-0.245 χ^2/NDF: 1605.5/50


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: 49.759+/-0.680 χ²/NDF:1094.7/8
Right Out: 51.226+/-0.615 χ²/NDF: 6611.3/17
Left In: 52.354+/-0.687 χ²/NDF:678.6/7
Left: 51.043+/-0.484 χ²/NDF: 1780.5/16
Right: 46.608+/-0.424 χ²/NDF: 13887.6/33
In: 46.596+/-0.445 χ²/NDF:7968.3/23
Out: 50.566+/-0.456 χ²/NDF:7708.5/26
All: 48.533+/-0.319 χ²/NDF: 15715.6/50



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 2.225+/-0.560 χ^2/NDF:280.2/8

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 1.847+/-0.573 χ^2/NDF:307.8/7

Left: 2.041+/-0.401 χ^2/NDF: 588.2/16

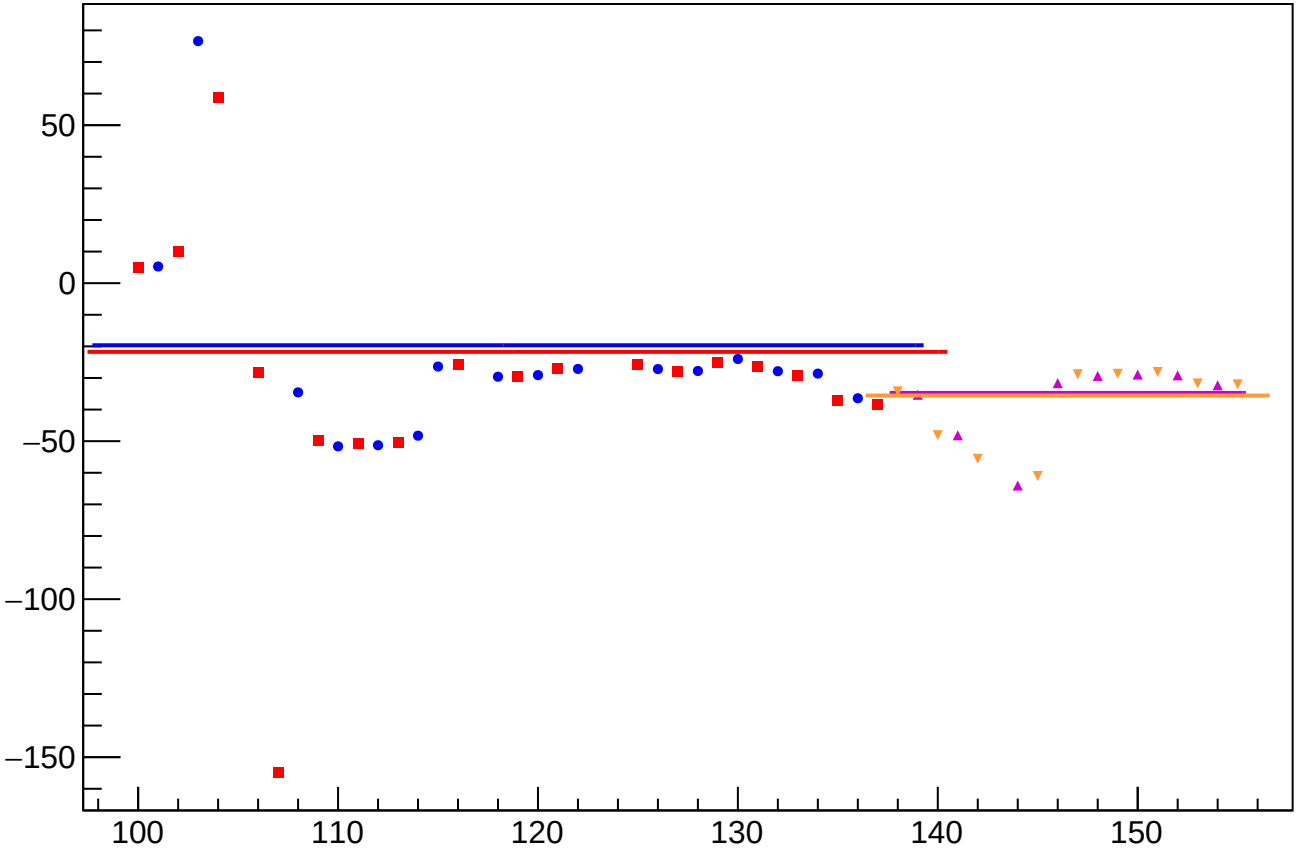
Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -5.285+/-0.414 χ^2/NDF:1271.9/23

Out: -5.679+/-0.418 χ^2/NDF:1131.3/26

All: -5.480+/-0.294 χ^2/NDF: 2403.7/50

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: -35.558+/-0.027 χ^2/NDF:140820.1/8

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -34.728+/-0.027 χ^2/NDF:117492.8/7

Left: -35.140+/-0.019 χ^2/NDF: 258790.3/16

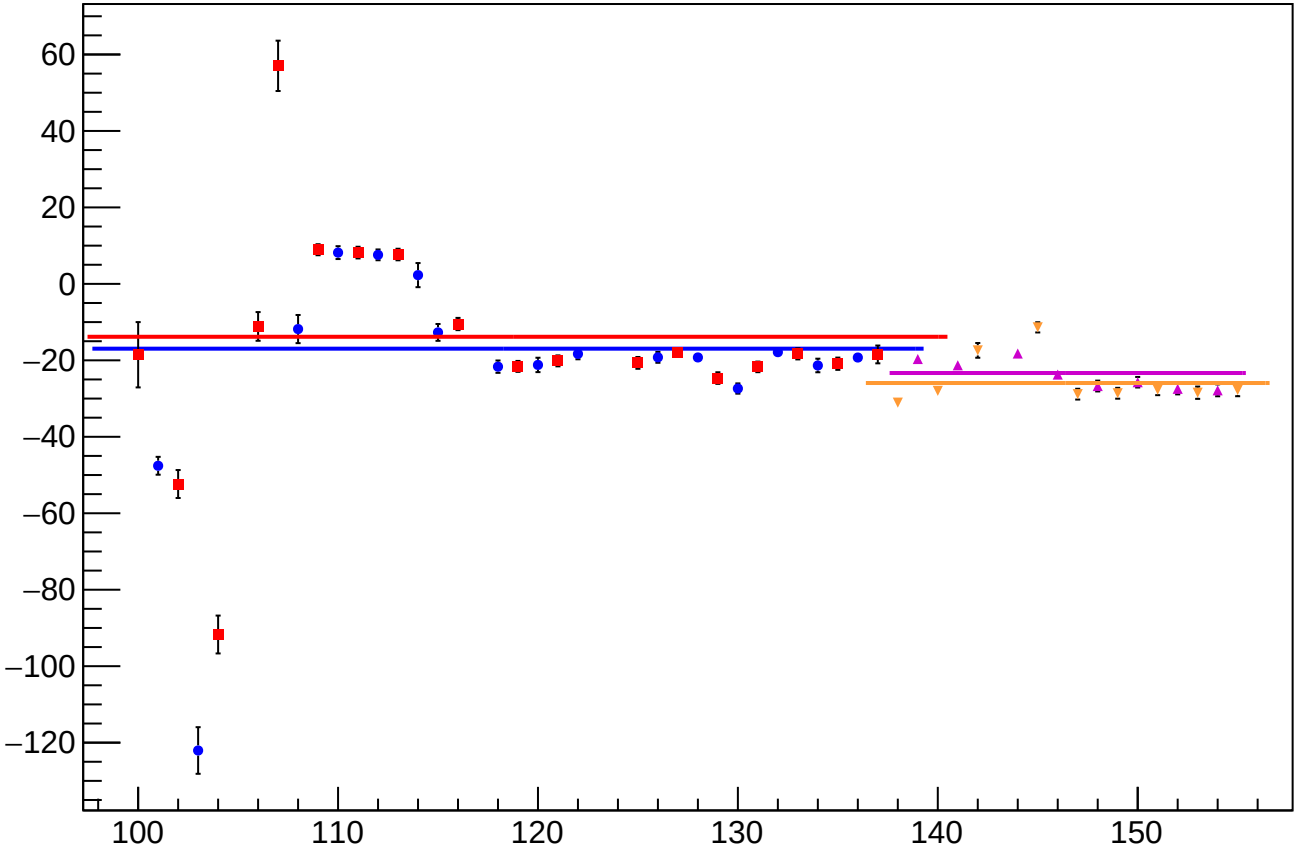
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.375+/-0.022 χ^2/NDF:876974.1/23

Out: -31.070+/-0.022 χ^2/NDF:772883.5/26

All: -30.197+/-0.015 χ^2/NDF: 1652871.4/50

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -25.930+/-0.469 χ^2/NDF:173.1/8

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -23.314+/-0.474 χ^2/NDF:53.5/7

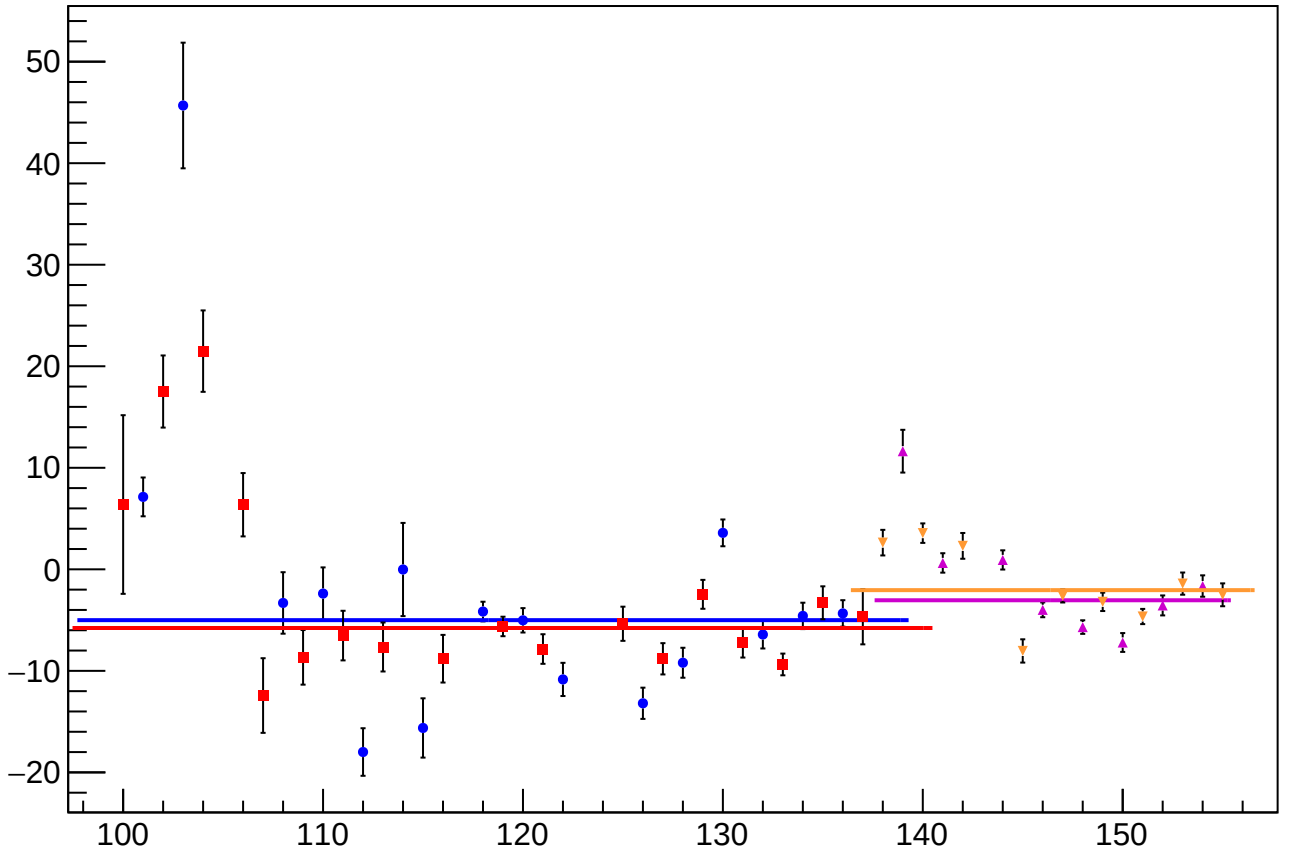
Left: -24.636+/-0.334 χ^2/NDF: 242.0/16

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -19.625+/-0.307 χ^2/NDF:1286.2/23

Out: -19.060+/-0.308 χ^2/NDF:1883.4/26

All: -19.344+/-0.218 χ^2/NDF: 3171.3/50



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.050+/-0.315 χ^2/NDF:102.0/8

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -3.047+/-0.322 χ^2/NDF:120.4/7

Left: -2.538+/-0.225 χ^2/NDF: 227.3/16

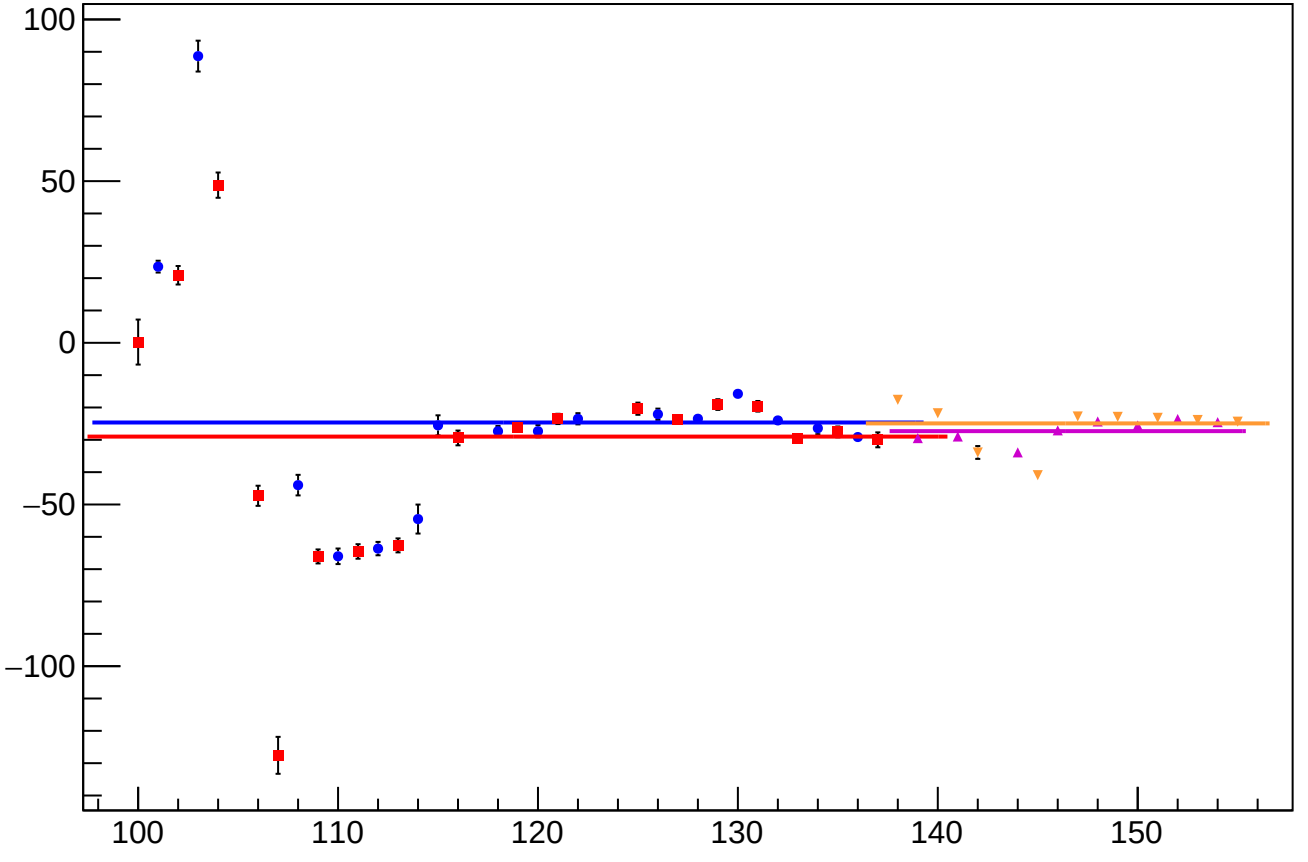
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.814+/-0.251 χ^2/NDF:382.7/23

Out: -3.394+/-0.252 χ^2/NDF:291.9/26

All: -3.605+/-0.178 χ^2/NDF: 675.9/50

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -24.922+/-0.460 χ^2/NDF:206.9/8

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -27.313+/-0.464 χ^2/NDF:47.5/7

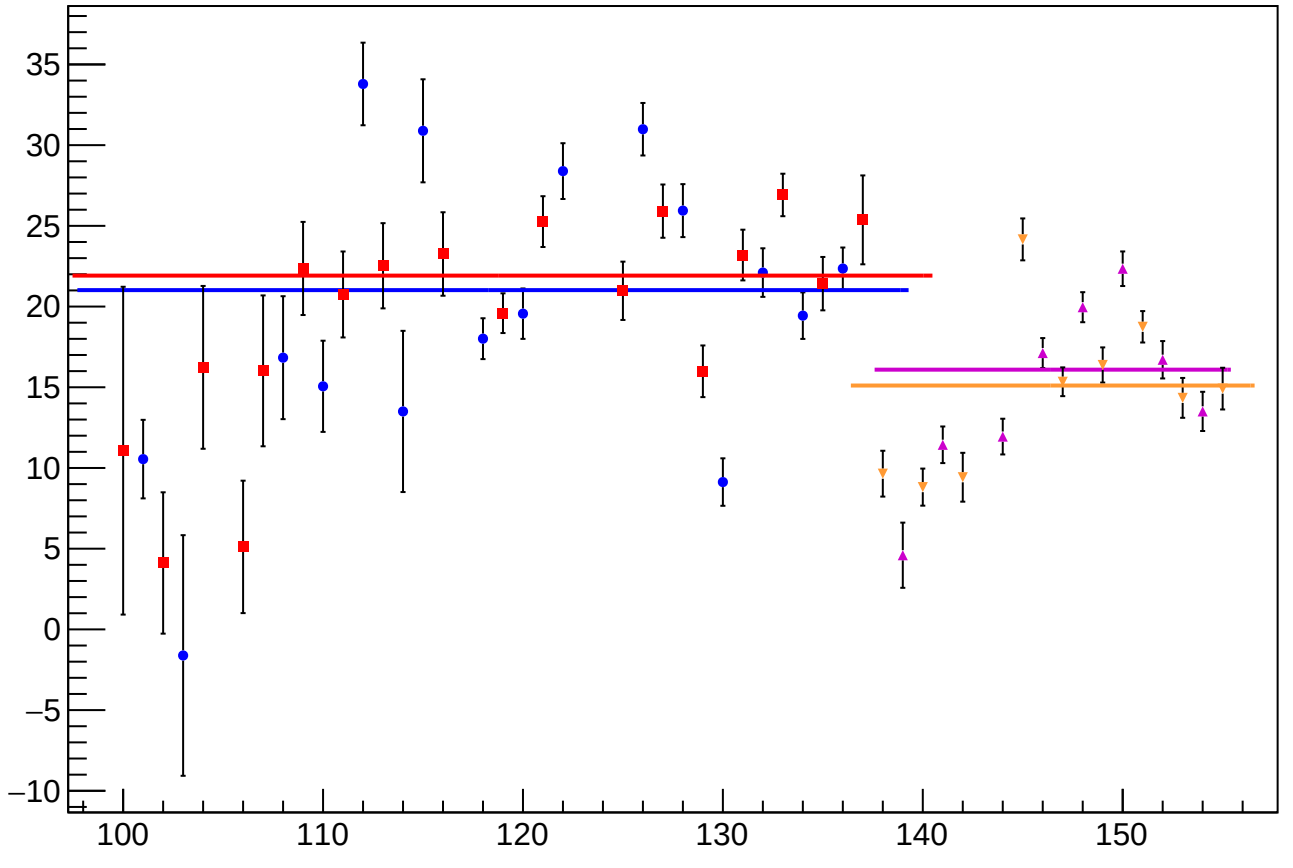
Left: -26.107+/-0.327 χ^2/NDF: 267.8/16

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -25.950+/-0.325 χ^2/NDF:2116.2/23

Out: -26.896+/-0.331 χ^2/NDF:2197.2/26

All: -26.415+/-0.232 χ^2/NDF: 4317.6/50



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.108+/-0.386 χ^2/NDF:123.4/8

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 16.091+/-0.394 χ^2/NDF:120.7/7

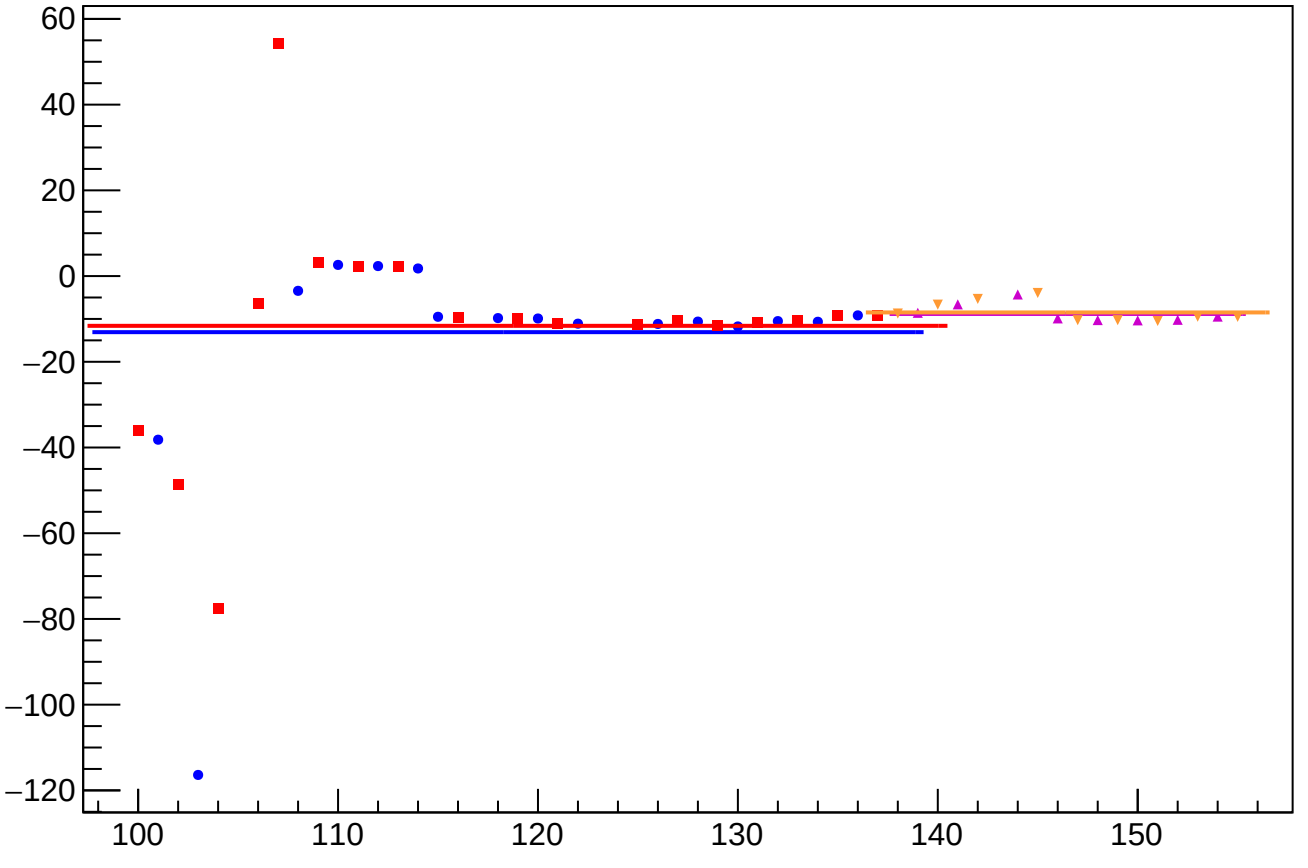
Left: 15.590+/-0.276 χ^2/NDF: 247.3/16

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 18.184+/-0.299 χ^2/NDF:396.9/23

Out: 17.796+/-0.301 χ^2/NDF:328.6/26

All: 17.991+/-0.212 χ^2/NDF: 726.3/50



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -8.485+/-0.018 χ^2/NDF:14126.5/8

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -8.838+/-0.018 χ^2/NDF:10535.0/7

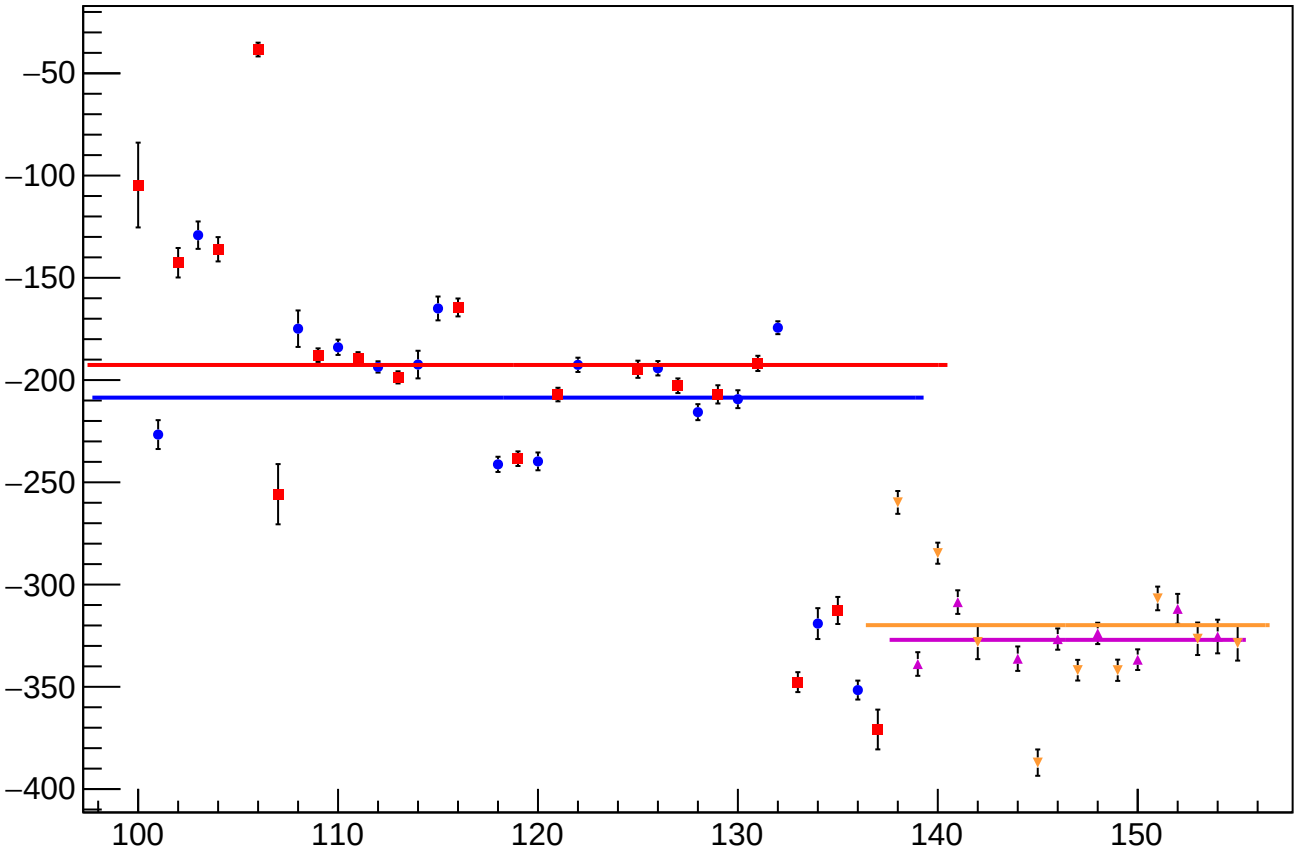
Left: -8.662+/-0.013 χ^2/NDF: 24850.1/16

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.066+/-0.015 χ^2/NDF:371373.2/23

Out: -9.289+/-0.016 χ^2/NDF:335910.3/26

All: -9.688+/-0.011 χ^2/NDF: 708543.1/50



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -319.847+/-2.025 χ^2/NDF:316.1/8

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -327.034+/-2.065 χ^2/NDF:25.2/7

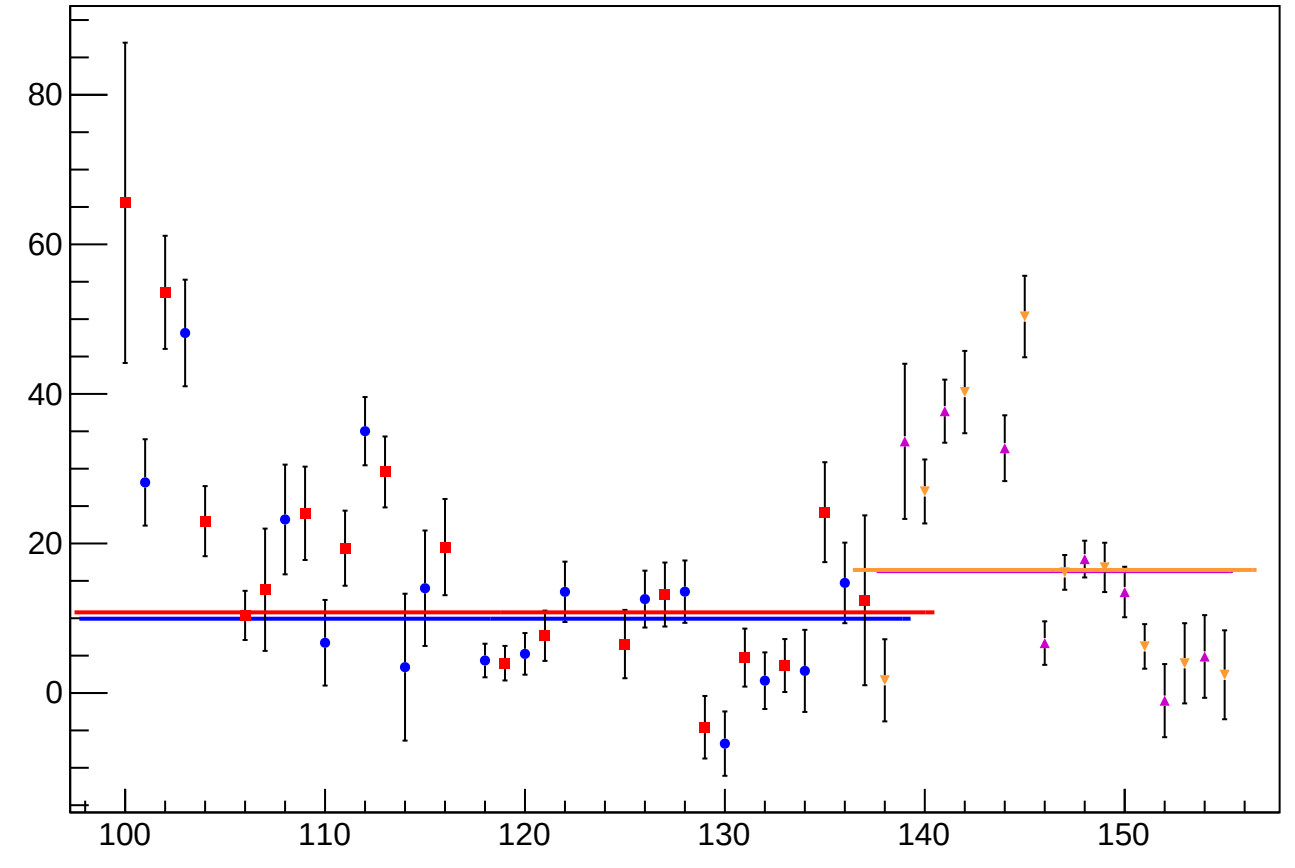
Left: -323.370+/-1.446 χ^2/NDF: 347.4/16

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -233.519+/-0.948 χ^2/NDF:4372.7/23

Out: -217.510+/-0.896 χ^2/NDF:7697.6/26

All: -225.065+/-0.651 χ^2/NDF: 12221.0/50



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 16.460+/-1.283 χ^2/NDF:93.4/8

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 16.303+/-1.333 χ^2/NDF:71.3/7

Left: 16.385+/-0.924 χ^2/NDF: 164.7/16

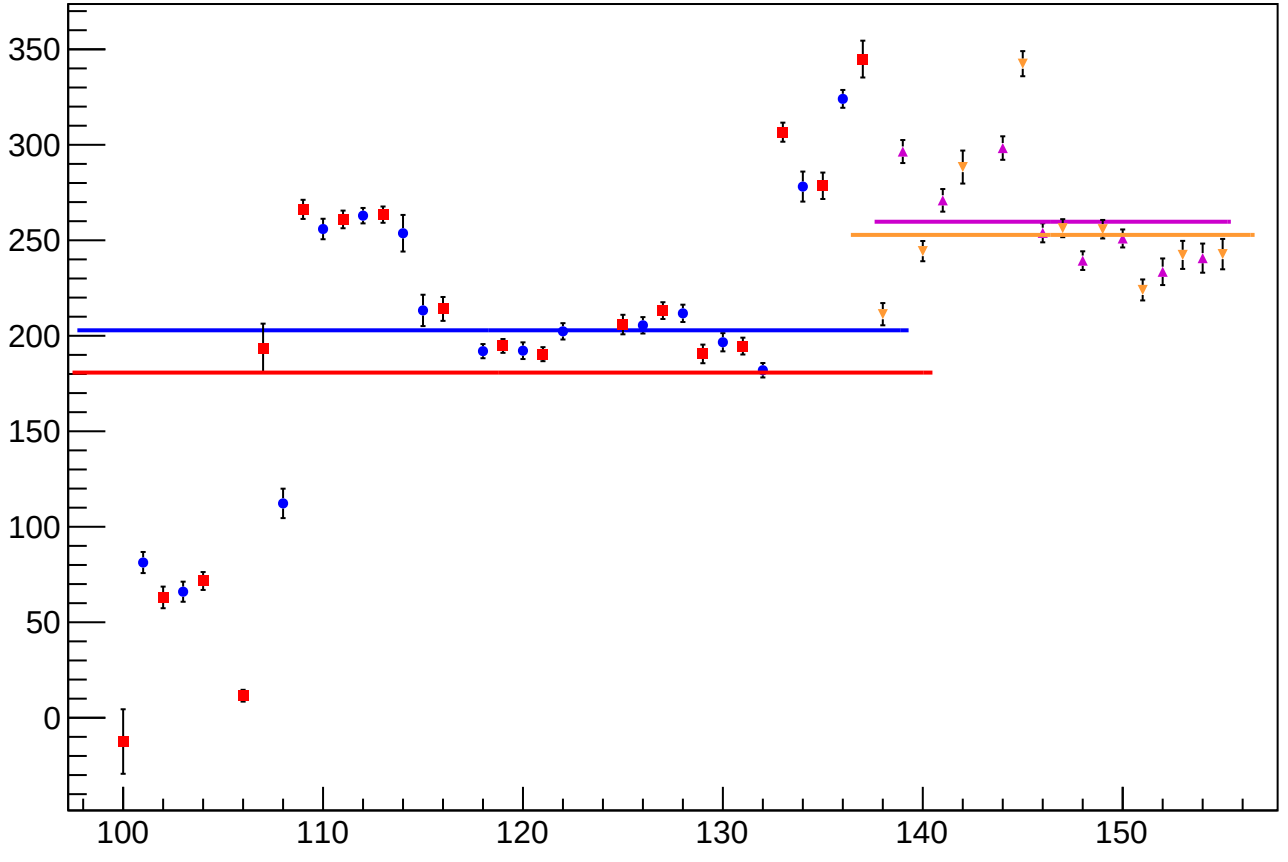
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 12.420+/-0.832 χ^2/NDF:191.8/23

Out: 13.046+/-0.810 χ^2/NDF:210.2/26

All: 12.742+/-0.580 χ^2/NDF: 402.3/50

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: 252.828+/-1.974 χ^2/NDF:288.4/8

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 259.720+/-2.010 χ^2/NDF:122.7/7

Left: 256.213+/-1.408 χ^2/NDF: 417.0/16

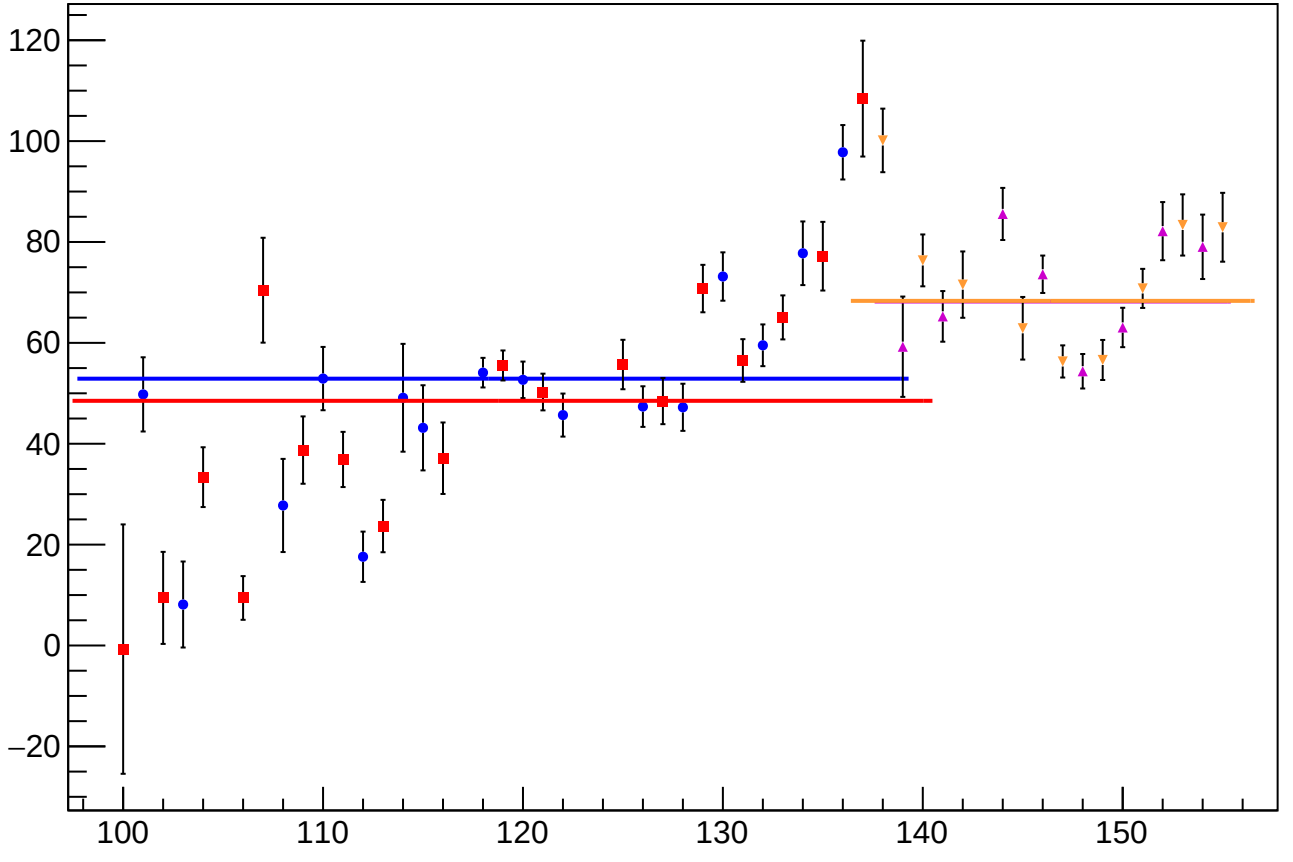
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 218.283+/-1.046 χ^2/NDF:3170.1/23

Out: 198.848+/-0.990 χ^2/NDF:7635.0/26

All: 208.023+/-0.719 χ^2/NDF: 10987.2/50

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 68.326+/-1.603 χ^2/NDF:62.9/8

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 68.201+/-1.654 χ^2/NDF:41.4/7

Left: 68.265+/-1.151 χ^2/NDF: 104.3/16

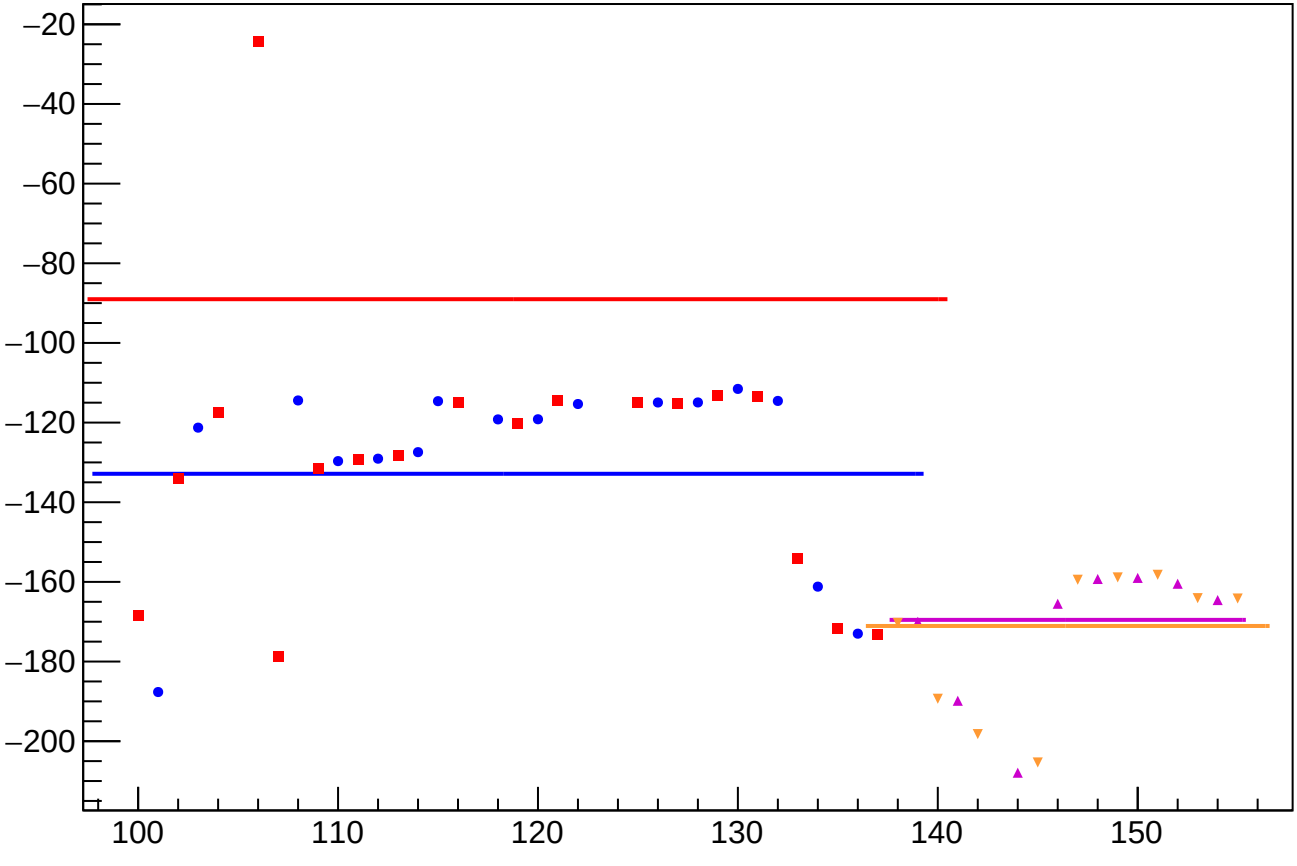
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 58.415+/-0.993 χ^2/NDF:294.5/23

Out: 55.734+/-0.968 χ^2/NDF:400.0/26

All: 57.040+/-0.693 χ^2/NDF: 698.2/50

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -171.067+/-0.080 χ^2/NDF:40717.6/8

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -169.535+/-0.080 χ^2/NDF:34131.0/7

Left: -170.299+/-0.056 χ^2/NDF: 75032.7/16

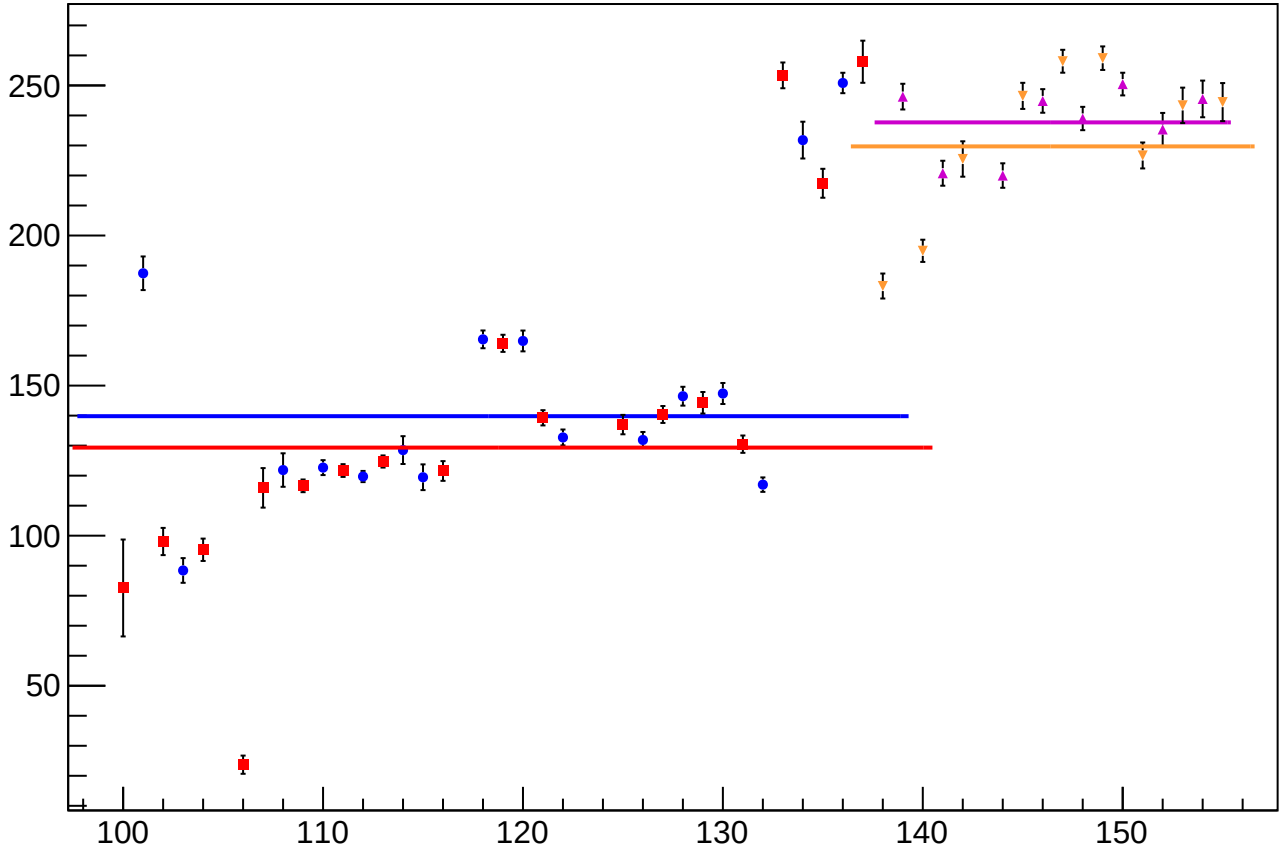
Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -151.572+/-0.057 χ^2/NDF:231356.2/23

Out: -121.157+/-0.050 χ^2/NDF:1409196.3/26

All: -134.415+/-0.038 χ^2/NDF: 1801549.3/50

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: 229.693+/-1.485 χ^2/NDF:351.6/8

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 237.692+/-1.519 χ^2/NDF:56.1/7

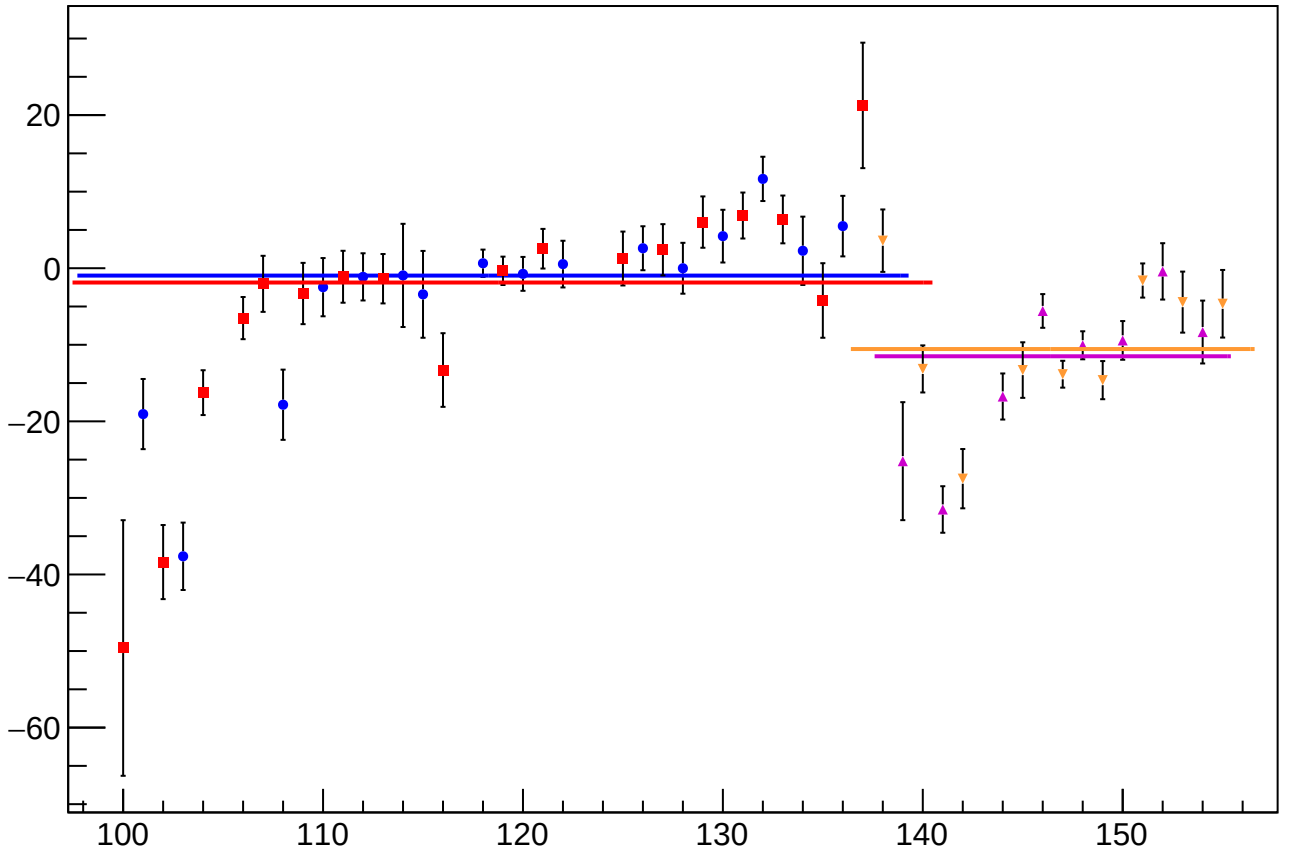
Left: 233.603+/-1.062 χ^2/NDF: 421.9/16

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 160.423+/-0.697 χ^2/NDF:5298.8/23

Out: 149.049+/-0.658 χ^2/NDF:7142.7/26

All: 154.410+/-0.479 χ^2/NDF: 12582.3/50



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -10.555+/-0.949 χ^2/NDF:58.9/8

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -11.501+/-0.985 χ^2/NDF:67.8/7

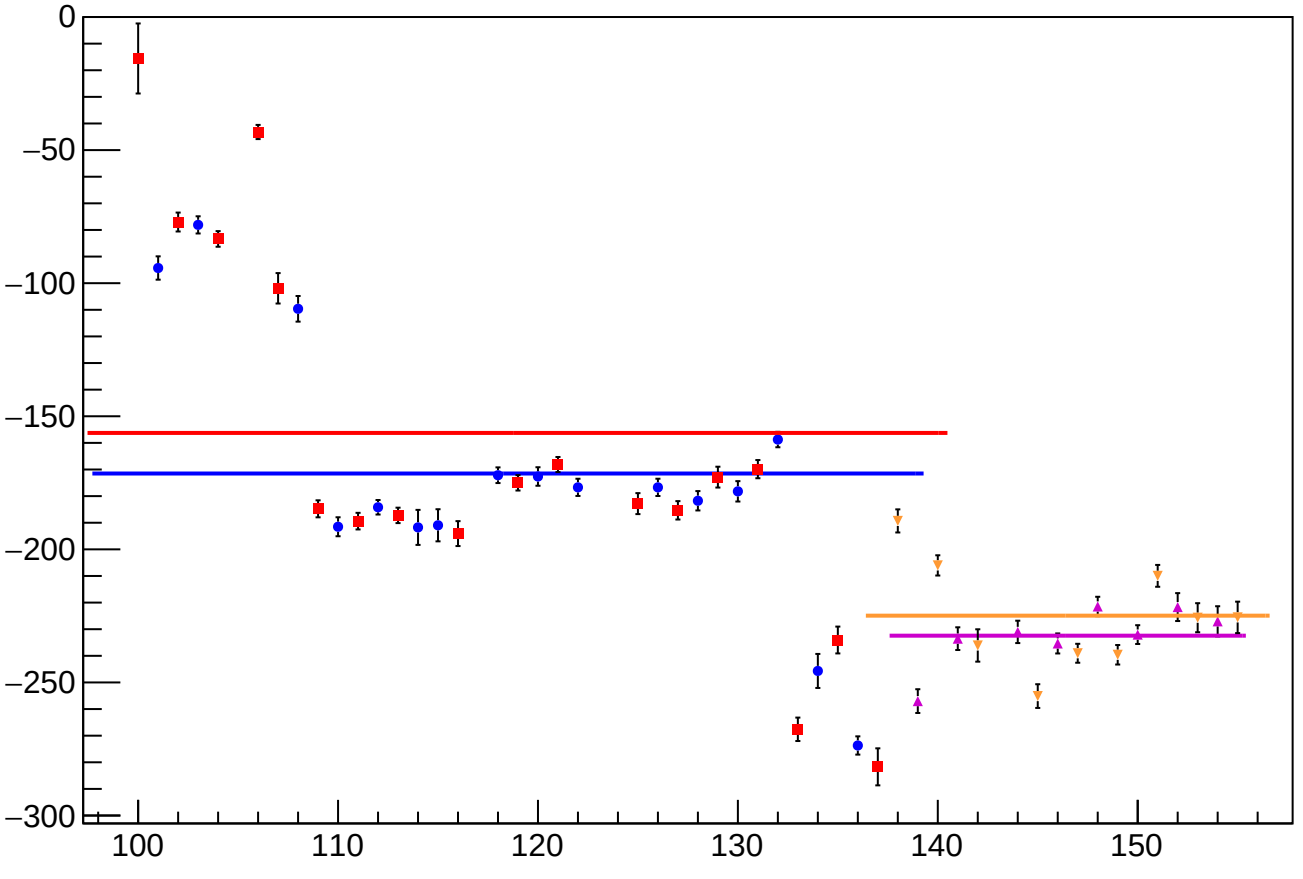
Left: -11.010+/-0.683 χ^2/NDF: 127.2/16

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -5.202+/-0.625 χ^2/NDF:262.2/23

Out: -5.391+/-0.604 χ^2/NDF:241.9/26

All: -5.299+/-0.434 χ^2/NDF: 504.2/50



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -224.912+/-1.452 χ^2/NDF:186.4/8

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -232.432+/-1.481 χ^2/NDF:45.3/7

Left: -228.597+/-1.037 χ^2/NDF: 244.9/16

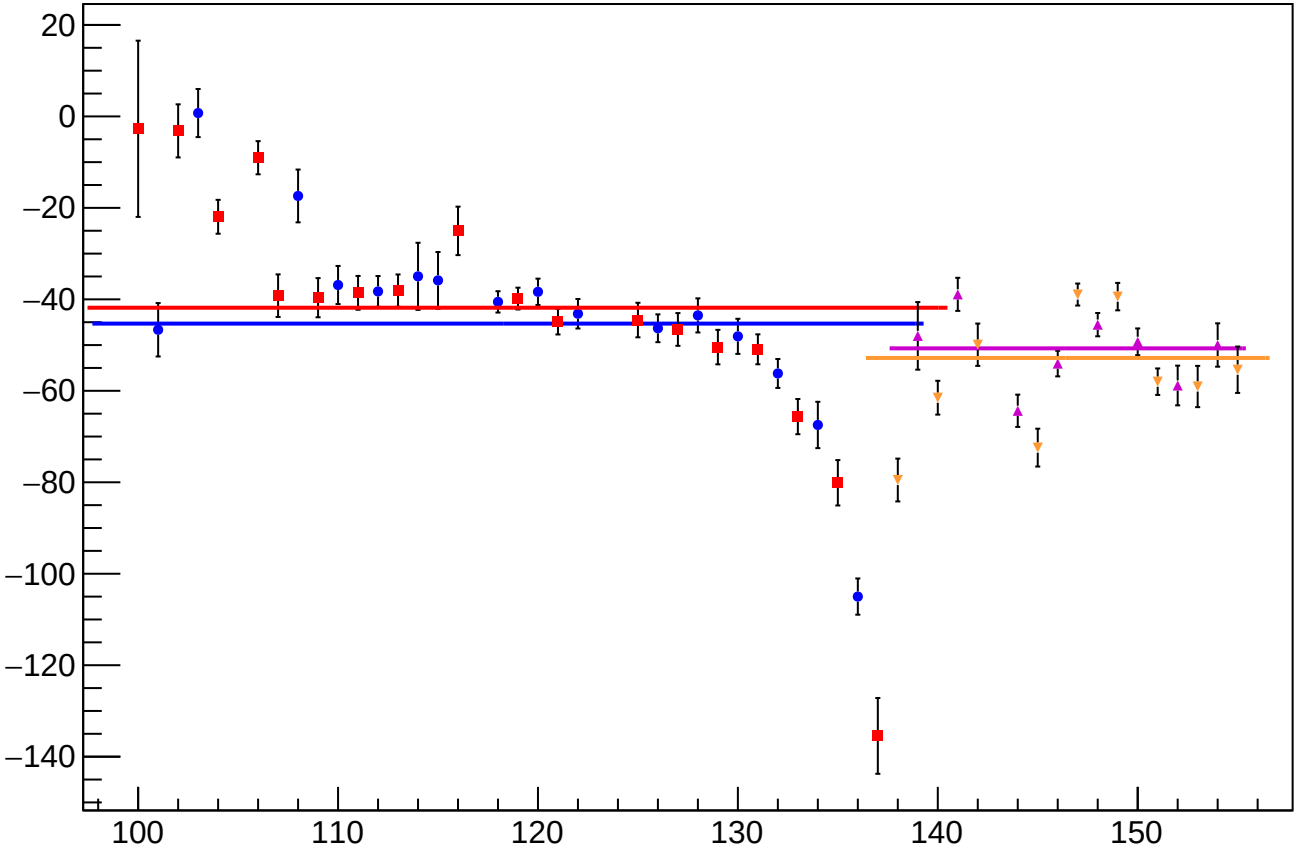
Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -188.122+/-0.773 χ^2/NDF:3719.2/23

Out: -173.707+/-0.732 χ^2/NDF:6759.1/26

All: -180.517+/-0.532 χ^2/NDF: 10661.6/50

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: -52.815+/-1.182 χ^2/NDF:119.5/8

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -50.714+/-1.221 χ^2/NDF:35.1/7

Left: -51.798+/-0.849 χ^2/NDF: 156.1/16

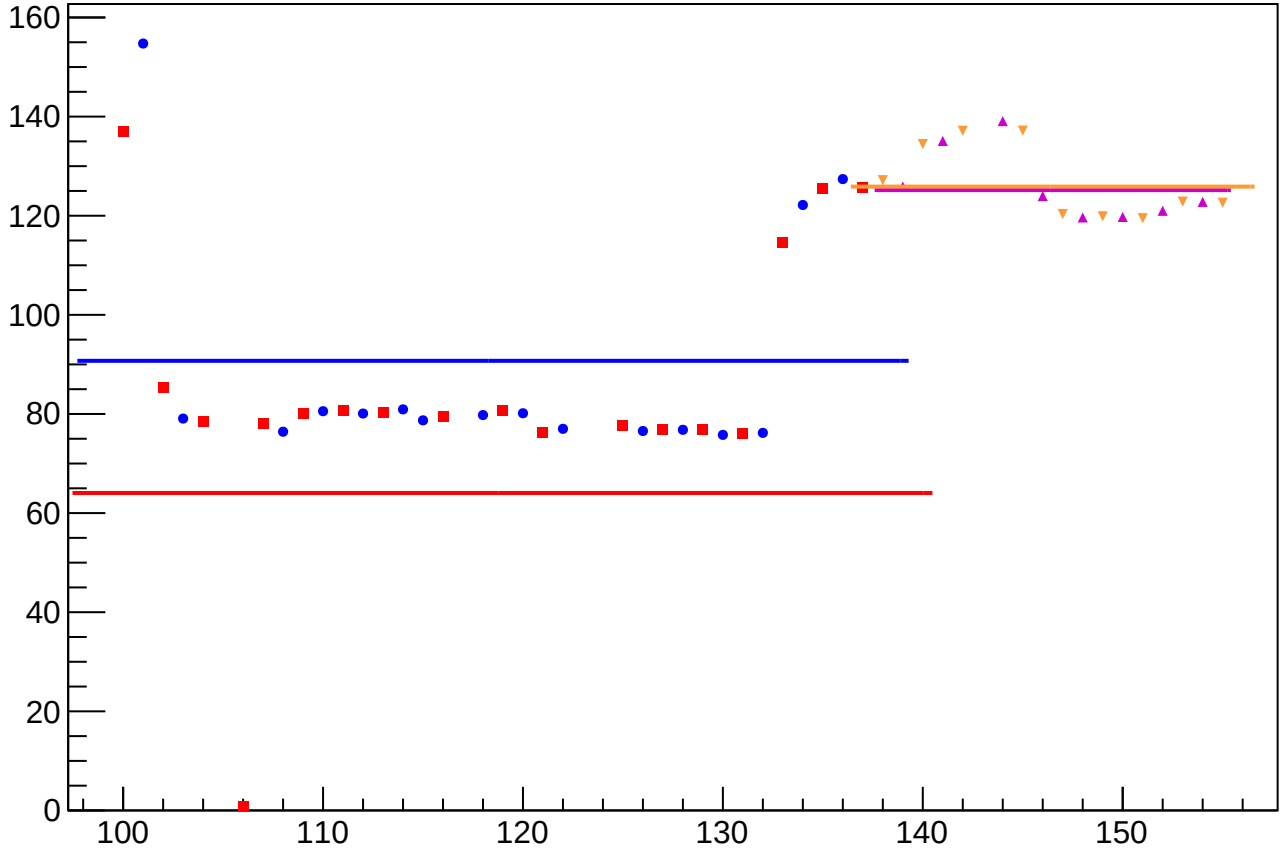
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -47.311+/-0.744 χ^2/NDF:429.5/23

Out: -45.913+/-0.721 χ^2/NDF:587.9/26

All: -46.591+/-0.518 χ^2/NDF: 1019.2/50

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: 125.877+/-0.059 χ^2/NDF:13529.3/8

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 125.171+/-0.059 χ^2/NDF:12251.3/7

Left: 125.524+/-0.042 χ^2/NDF: 25852.6/16

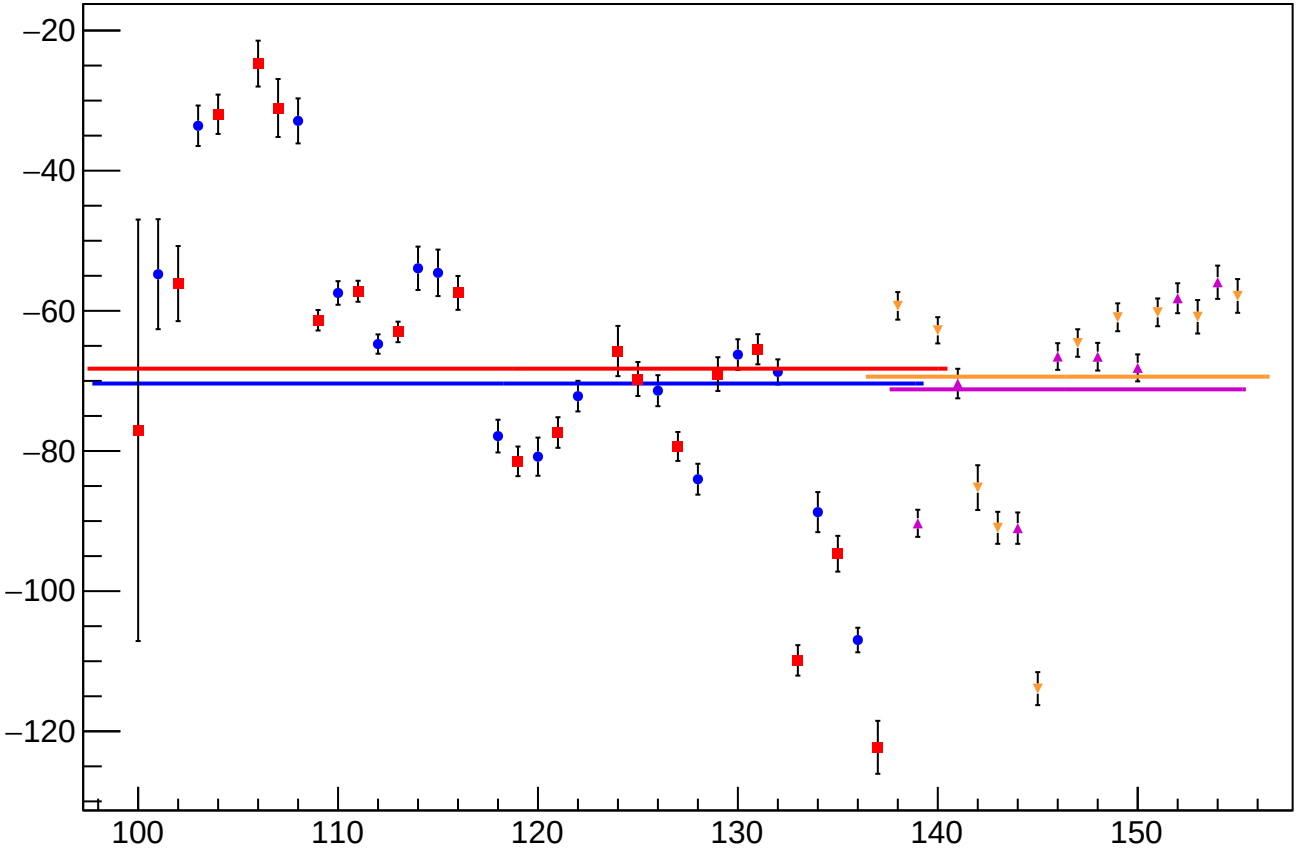
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 107.842+/-0.041 χ^2/NDF:345773.4/23

Out: 89.562+/-0.038 χ^2/NDF:1323239.5/26

All: 97.851+/-0.028 χ^2/NDF: 1775145.2/50

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -69.396+/-0.686 χ^2/NDF:591.0/9

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -71.205+/-0.727 χ^2/NDF:268.6/7

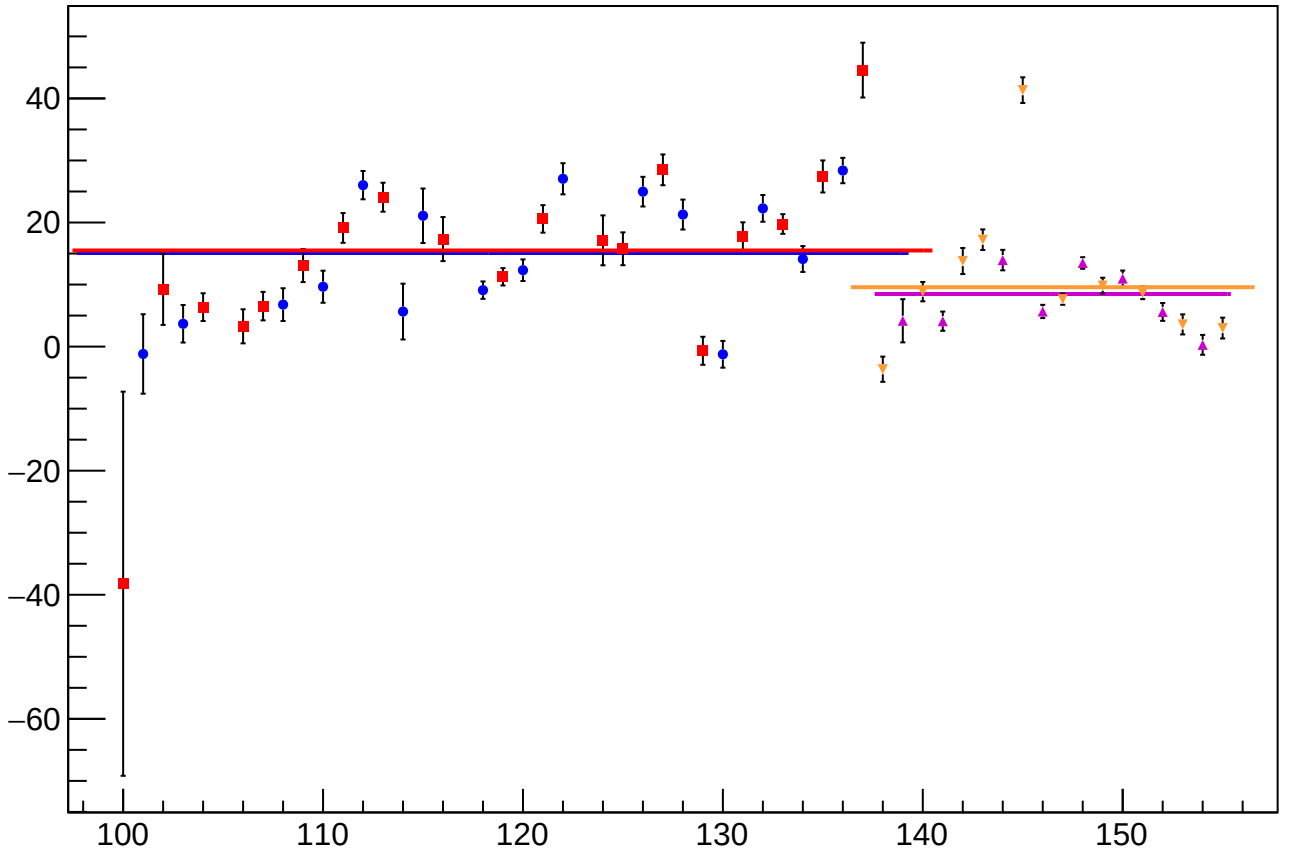
Left: -70.247+/-0.499 χ^2/NDF: 862.9/17

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -70.682+/-0.443 χ^2/NDF:1244.3/23

Out: -68.676+/-0.418 χ^2/NDF:1898.7/28

All: -69.621+/-0.304 χ^2/NDF: 3153.9/52



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 9.574+/-0.448 χ^2/NDF:337.9/9

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 8.477+/-0.479 χ^2/NDF:90.1/7

Left: 9.062+/-0.327 χ^2/NDF: 430.8/17

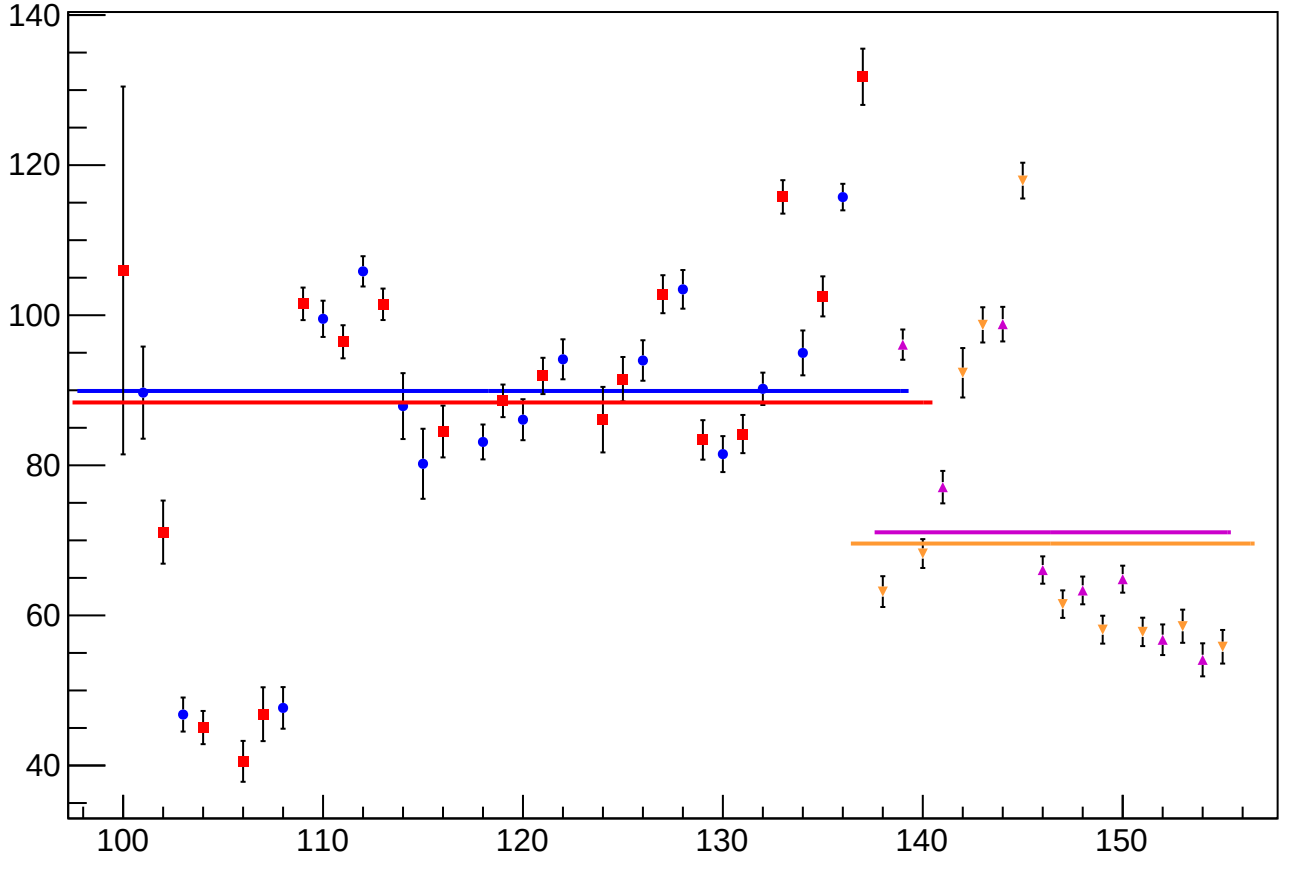
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 11.153+/-0.369 χ^2/NDF:409.8/23

Out: 11.890+/-0.349 χ^2/NDF:645.6/28

All: 11.542+/-0.254 χ^2/NDF: 1057.5/52

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: 69.576+/-0.670 χ^2/NDF:782.4/9

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 71.073+/-0.707 χ^2/NDF:452.4/7

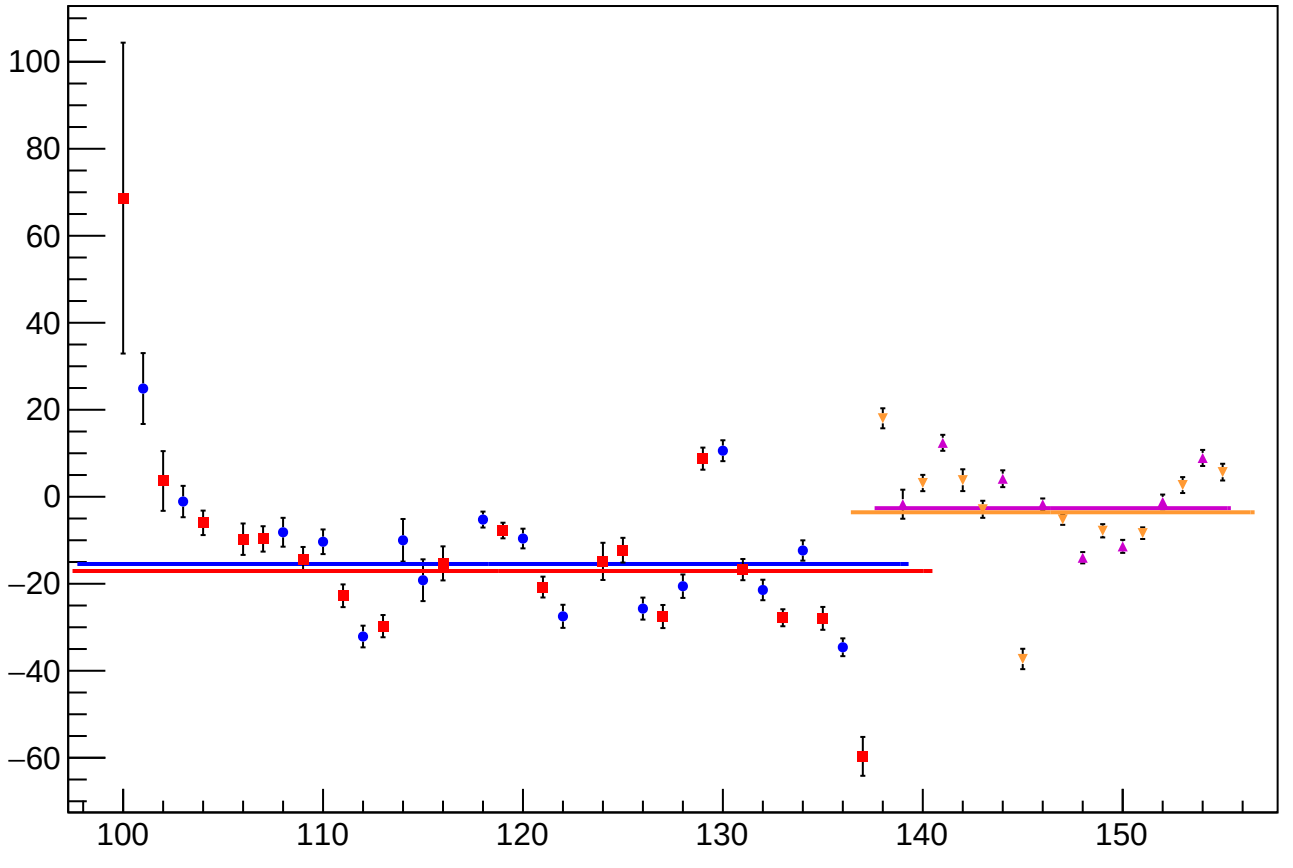
Left: 70.284+/-0.486 χ^2/NDF: 1237.2/17

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 81.421+/-0.475 χ^2/NDF:1789.4/23

Out: 79.742+/-0.454 χ^2/NDF:2497.0/28

All: 80.544+/-0.328 χ^2/NDF: 4293.0/52



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -3.569+/-0.552 χ^2/NDF:374.3/9

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -2.623+/-0.590 χ^2/NDF:231.0/7

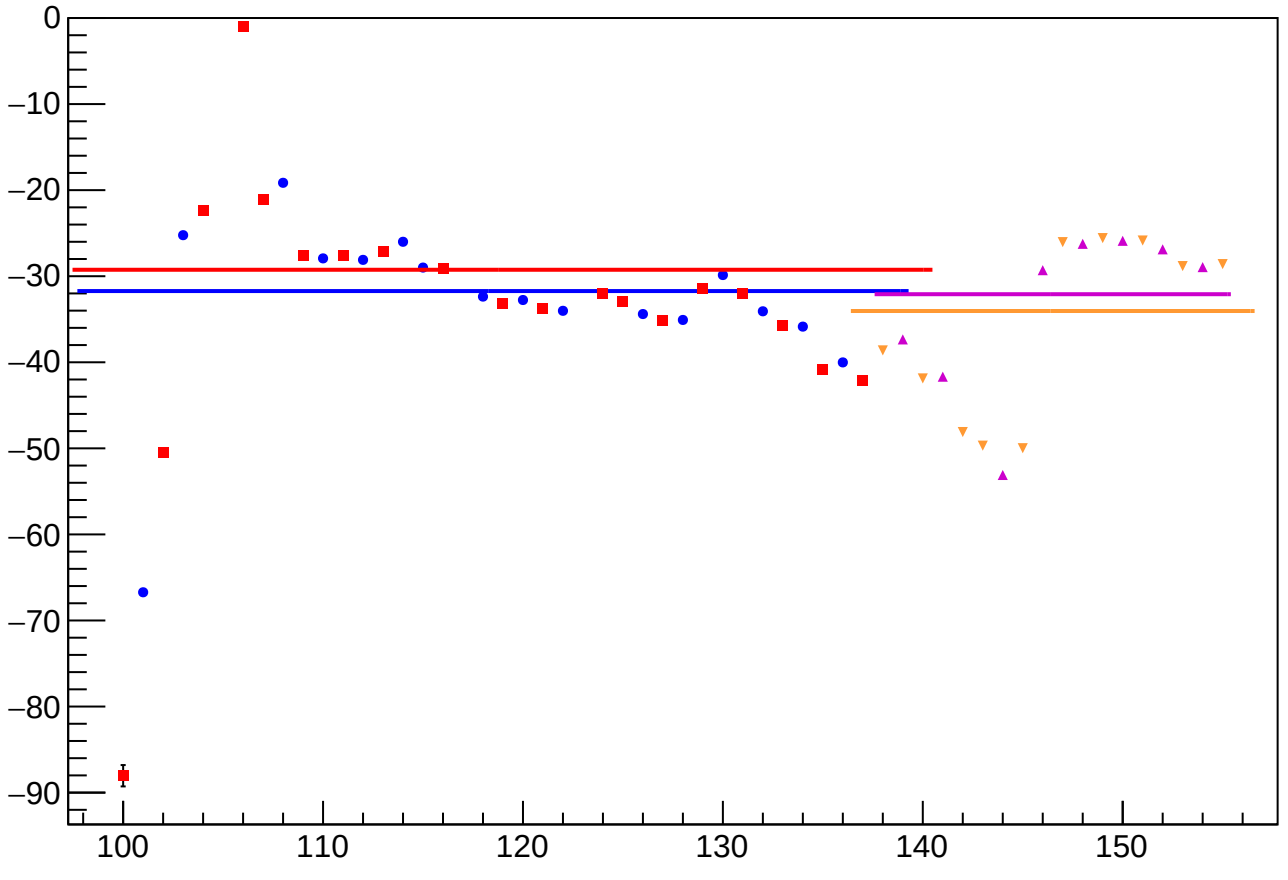
Left: -3.127+/-0.403 χ^2/NDF: 606.7/17

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -8.267+/-0.441 χ^2/NDF:825.8/23

Out: -9.291+/-0.419 χ^2/NDF:988.6/28

All: -8.805+/-0.304 χ^2/NDF: 1817.2/52



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -34.042+/-0.027 χ^2/NDF:120626.9/9

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -32.091+/-0.028 χ^2/NDF:79995.8/7

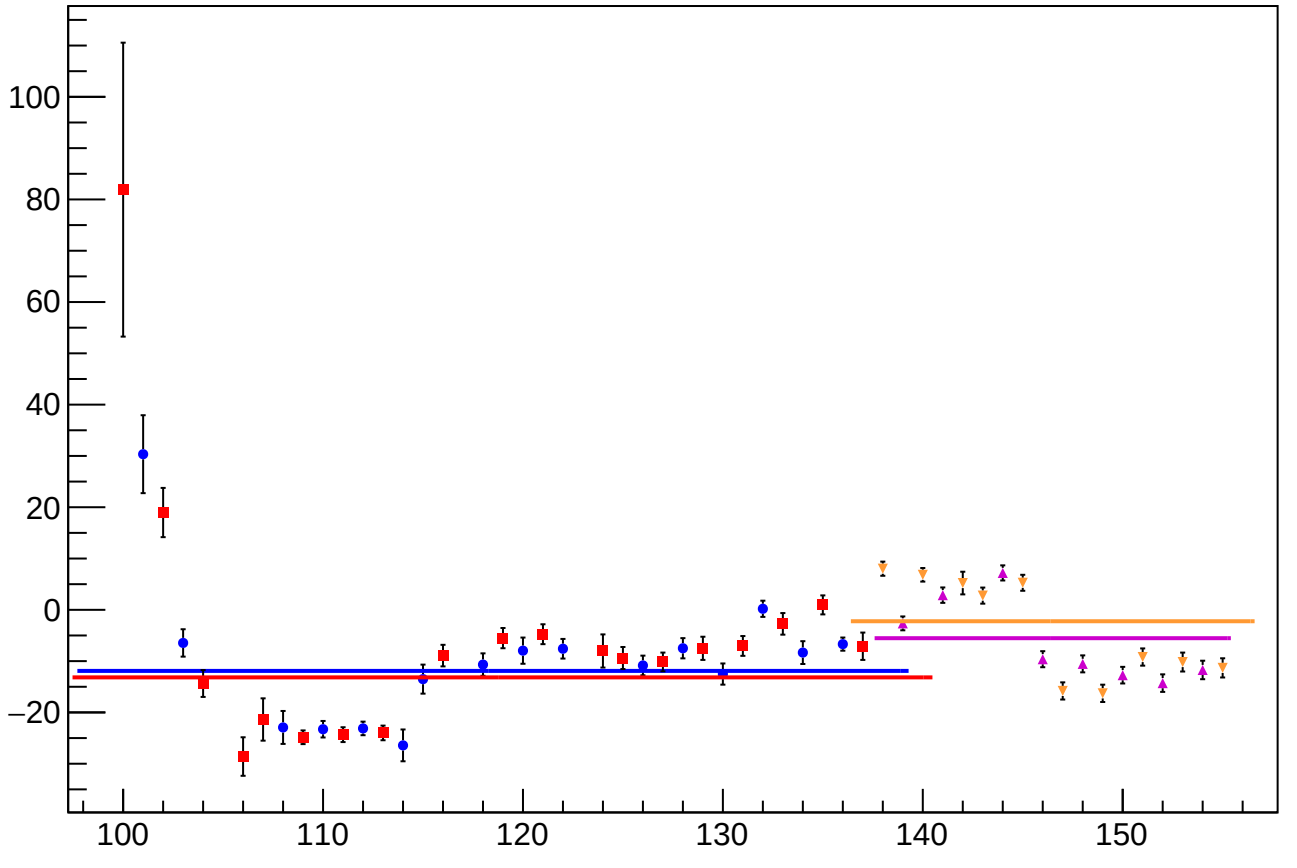
Left: -33.102+/-0.019 χ^2/NDF: 203213.6/17

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

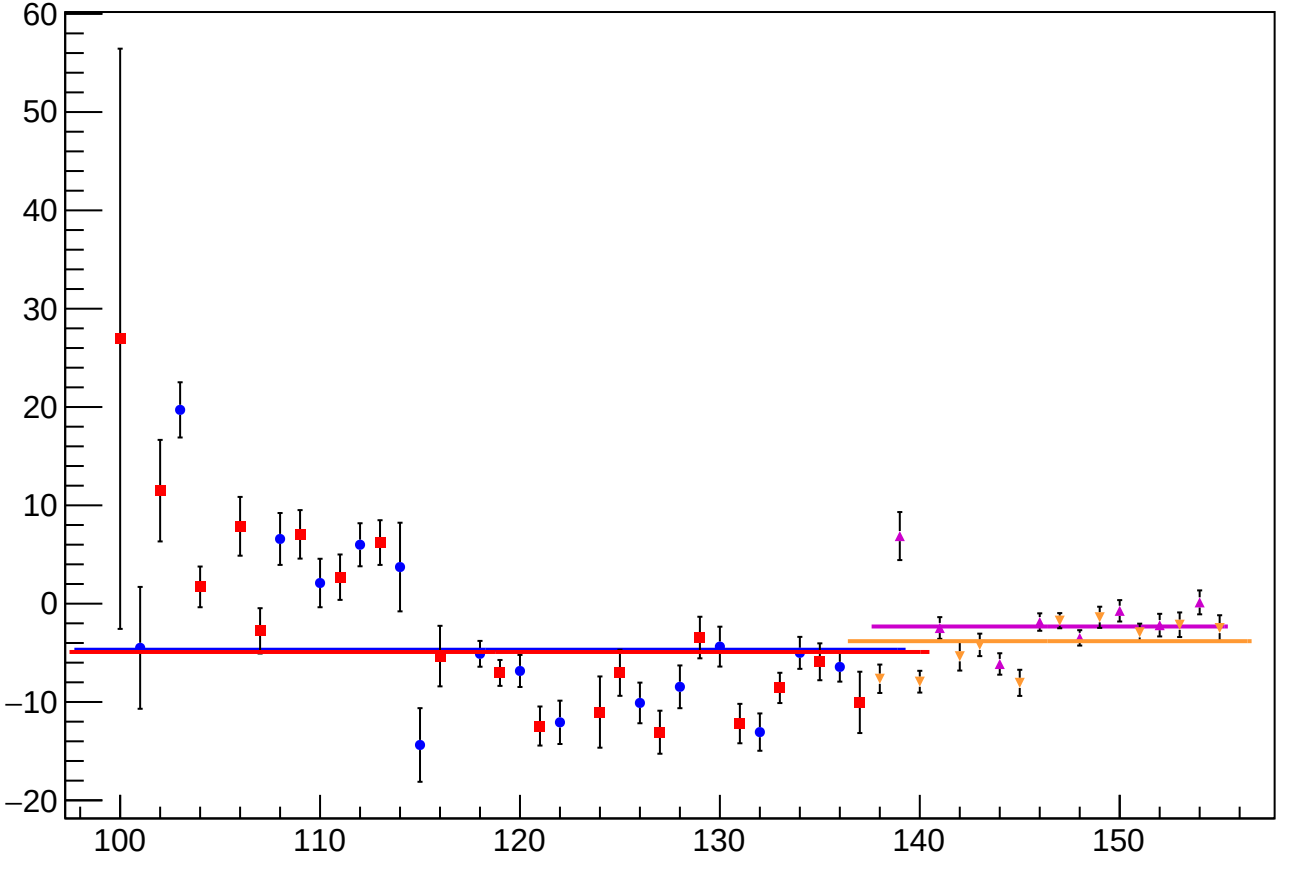
In: -31.967+/-0.022 χ^2/NDF:119692.1/23

Out: -32.489+/-0.022 χ^2/NDF:226374.4/28

All: -32.234+/-0.016 χ^2/NDF: 346344.0/52


reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
100
110
120
130
140
150
Right In: -11.906+/-0.497 χ²/NDF: 282.1/15
Left Out: -2.226+/-0.516 χ²/NDF:341.3/9
Right Out: -13.169+/-0.480 χ²/NDF: 421.5/18
Left In: -5.529+/-0.554 χ²/NDF:184.1/7
Left: -3.759+/-0.377 χ²/NDF: 544.4/17
Right: -12.559+/-0.345 χ²/NDF: 706.9/34
In: -9.065+/-0.370 χ²/NDF:539.5/23
Out: -8.087+/-0.351 χ²/NDF:1004.1/28
All: -8.551+/-0.255 χ²/NDF: 1547.3/52

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -3.815+/-0.350 χ^2/NDF:48.5/9

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -2.322+/-0.378 χ^2/NDF:35.1/7

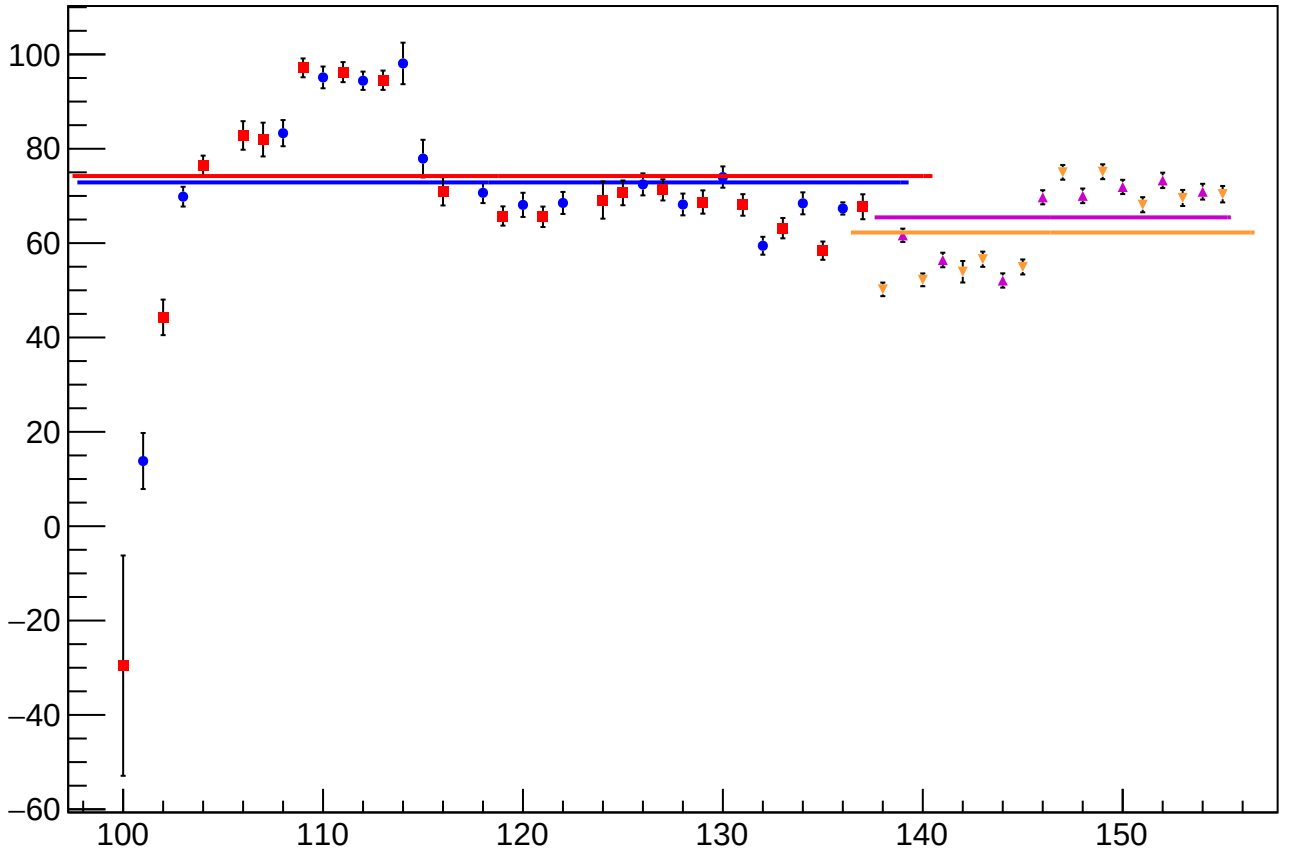
Left: -3.125+/-0.257 χ^2/NDF: 92.0/17

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.145+/-0.305 χ^2/NDF:227.8/23

Out: -4.164+/-0.289 χ^2/NDF:207.5/28

All: -3.681+/-0.210 χ^2/NDF: 441.2/52



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 62.252+/-0.508 χ^2/NDF:358.2/9

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 65.456+/-0.543 χ^2/NDF:188.0/7

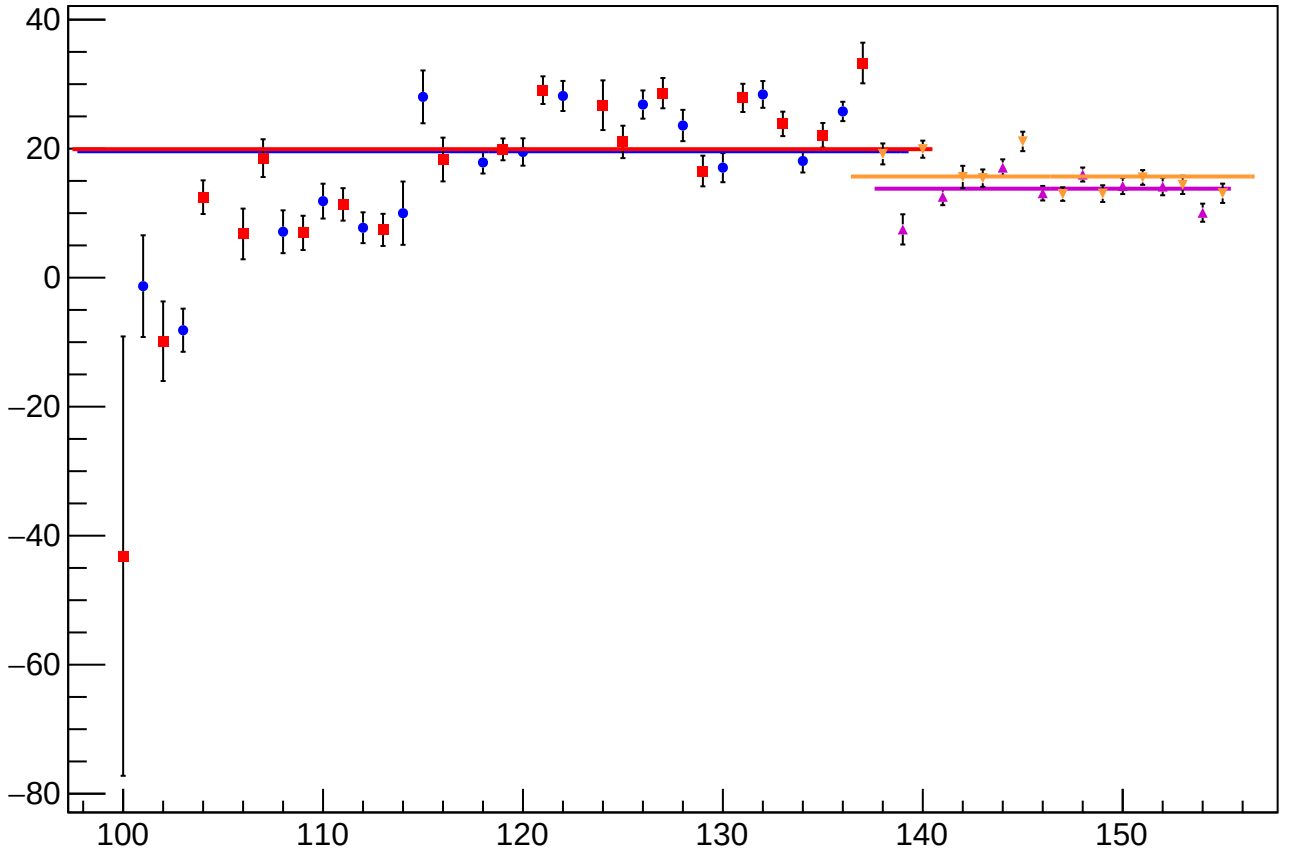
Left: 63.749+/-0.371 χ^2/NDF: 564.7/17

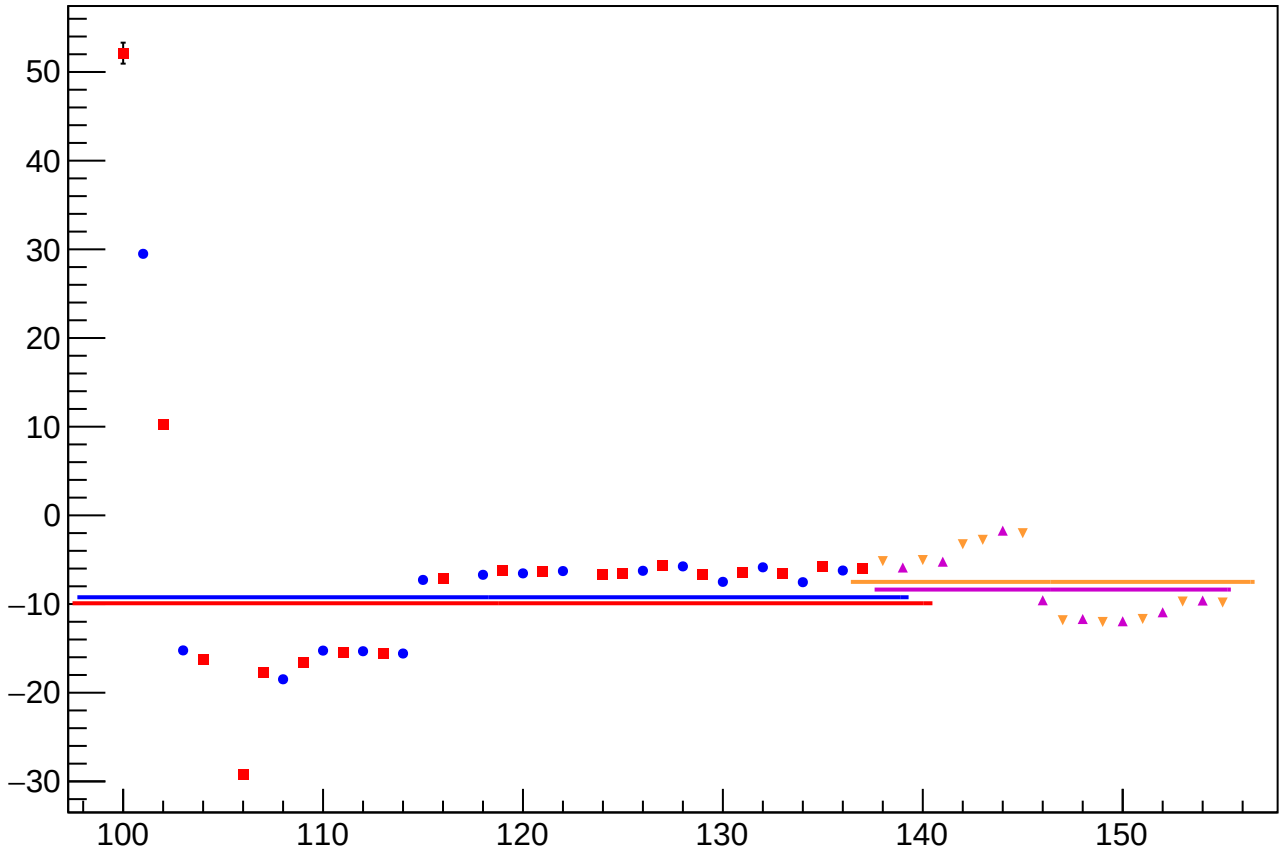
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 69.011+/-0.392 χ^2/NDF:728.0/23

Out: 67.634+/-0.377 χ^2/NDF:1193.5/28

All: 68.297+/-0.272 χ^2/NDF: 1928.0/52


reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: 19.598+/-0.585 χ²/NDF: 196.0/15
Left Out: 15.685+/-0.427 χ²/NDF:42.6/9
Right Out: 19.919+/-0.585 χ²/NDF: 181.3/18
Left In: 13.794+/-0.461 χ²/NDF:26.4/7
Left: 14.812+/-0.314 χ²/NDF: 78.1/17
Right: 19.759+/-0.414 χ²/NDF: 377.5/34
In: 16.018+/-0.362 χ²/NDF:283.0/23
Out: 17.158+/-0.345 χ²/NDF:258.1/28
All: 16.615+/-0.250 χ²/NDF: 546.3/52



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -7.501+/-0.020 χ^2/NDF:34200.2/9

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -8.369+/-0.021 χ^2/NDF:23508.6/7

Left: -7.914+/-0.015 χ^2/NDF: 58588.4/17

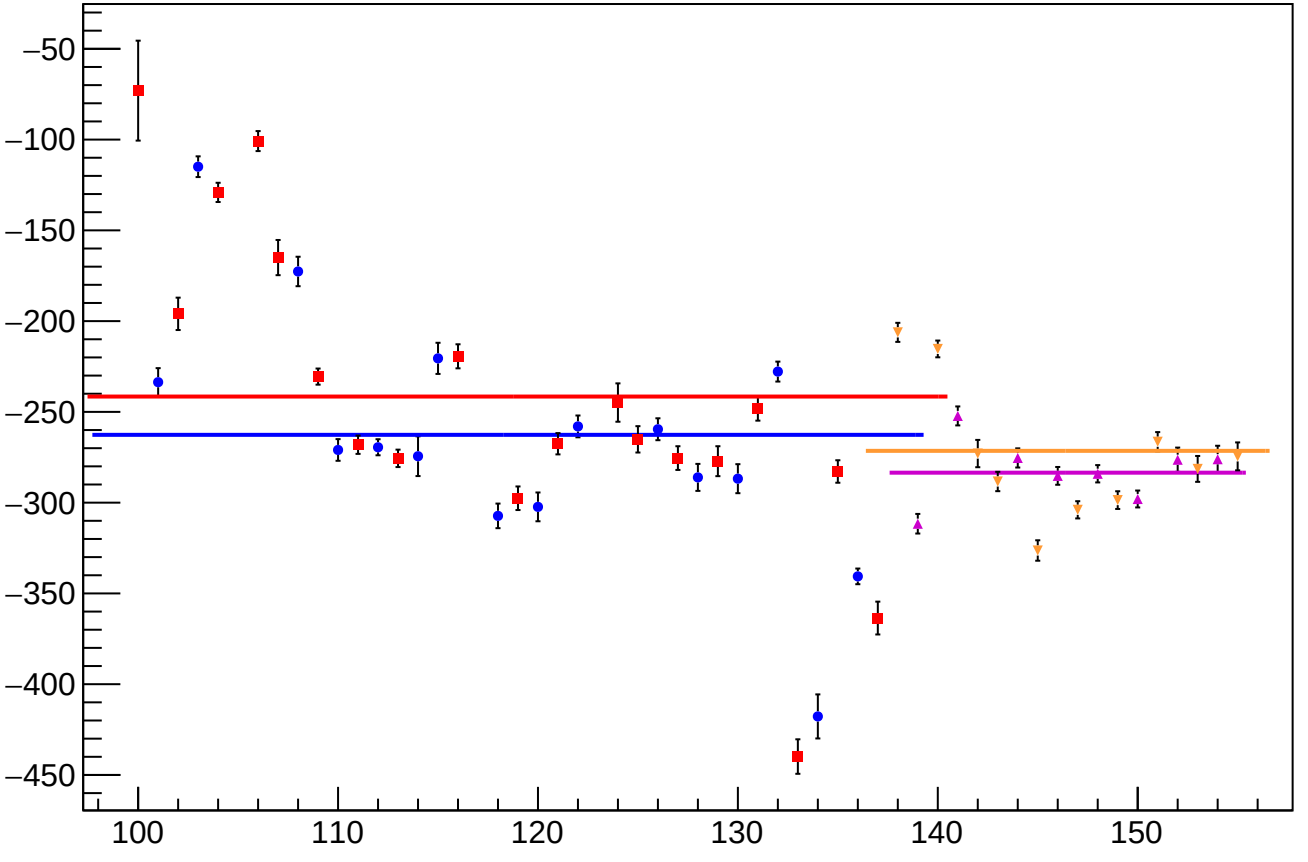
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -8.623+/-0.018 χ^2/NDF:55159.2/23

Out: -8.118+/-0.017 χ^2/NDF:91714.3/28

All: -8.365+/-0.012 χ^2/NDF: 147285.7/52

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -271.460+/-1.751 χ^2/NDF:488.8/9

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -283.489+/-1.893 χ^2/NDF:77.3/7

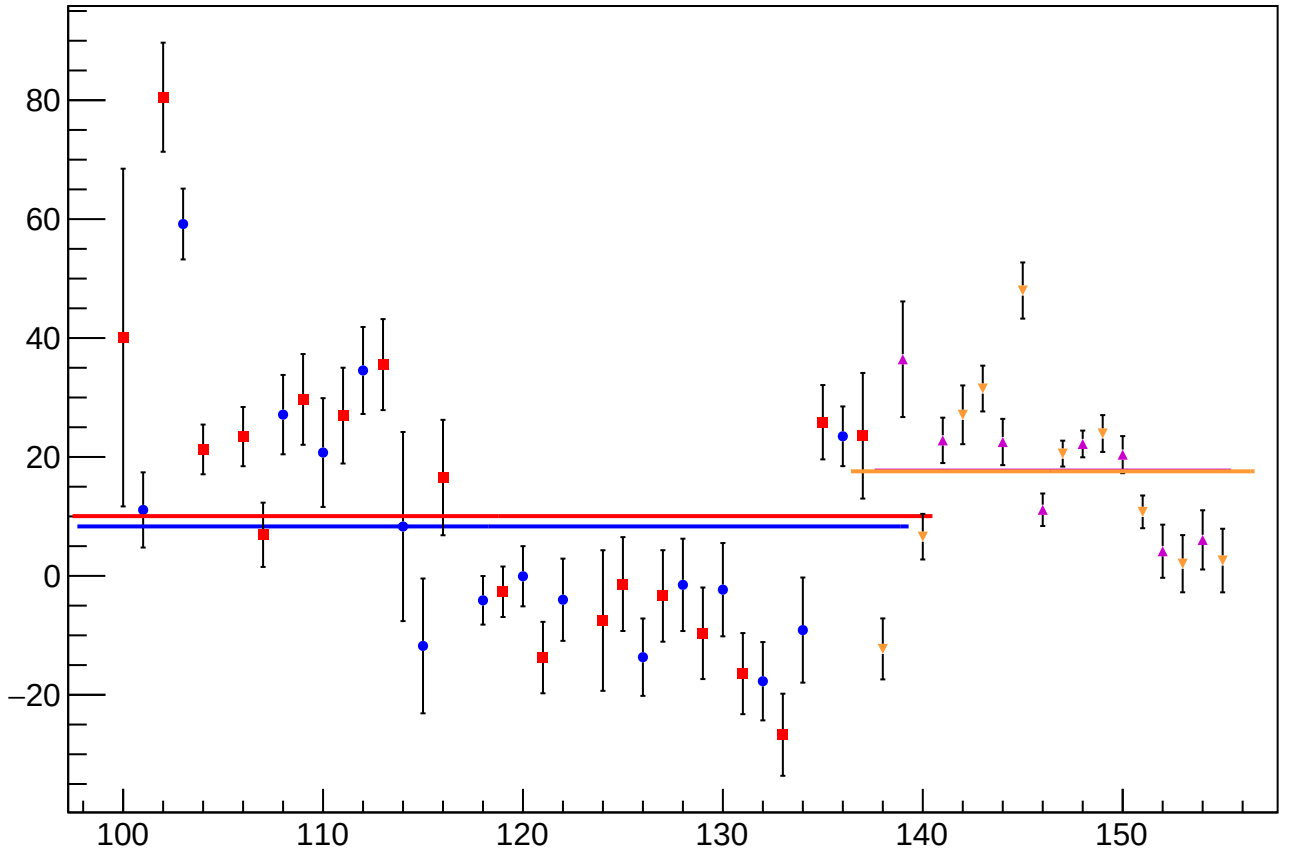
Left: -277.006+/-1.285 χ^2/NDF: 587.8/17

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -271.418+/-1.228 χ^2/NDF:1601.8/23

Out: -254.270+/-1.142 χ^2/NDF:2795.1/28

All: -262.221+/-0.836 χ^2/NDF: 4501.5/52



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 17.587+/-1.129 χ^2/NDF:130.9/9

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 17.708+/-1.221 χ^2/NDF:32.2/7

Left: 17.643+/-0.829 χ^2/NDF: 163.1/17

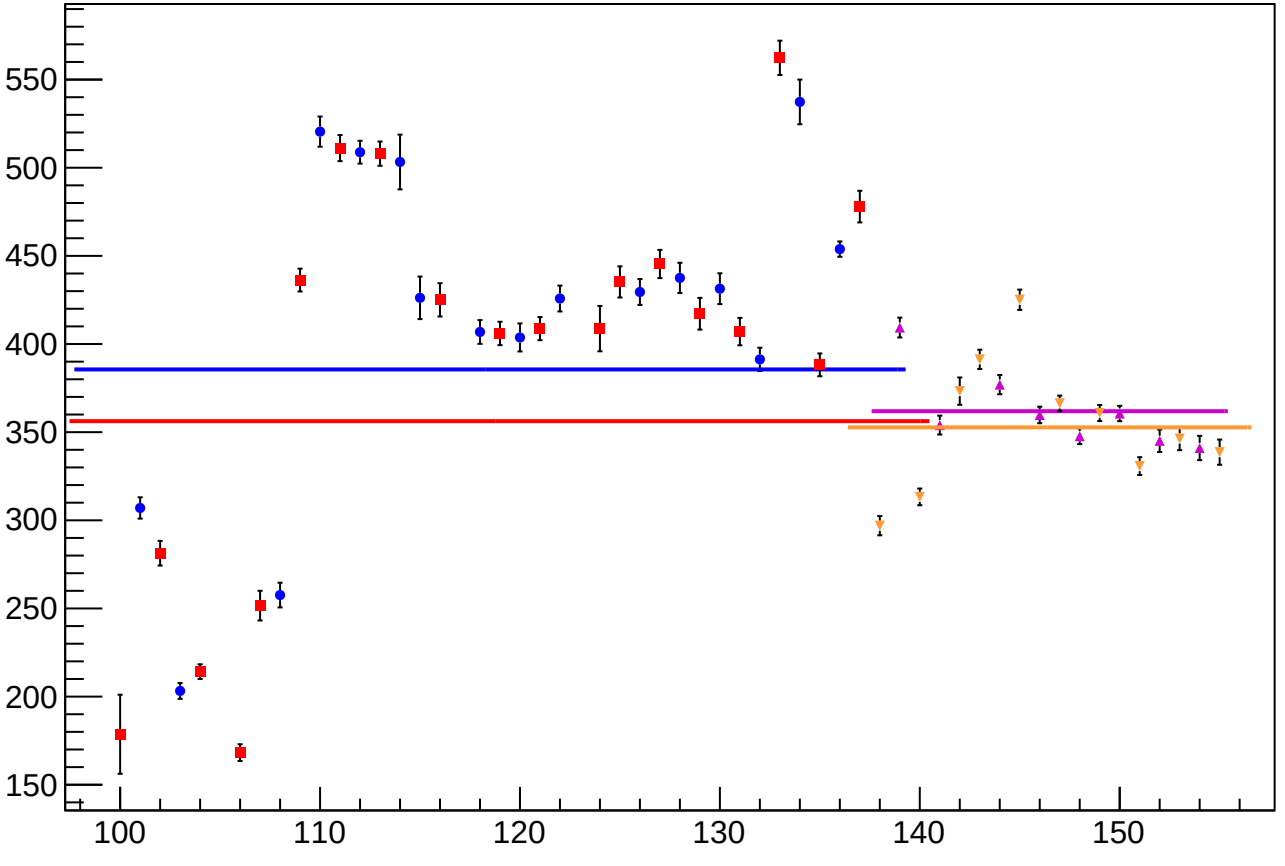
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 14.370+/-0.980 χ^2/NDF:210.9/23

Out: 14.950+/-0.910 χ^2/NDF:333.9/28

All: 14.682+/-0.667 χ^2/NDF: 545.0/52

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: 352.726+/-1.718 χ^2/NDF:423.8/9

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 361.898+/-1.842 χ^2/NDF:107.5/7

Left: 356.991+/-1.256 χ^2/NDF: 544.5/17

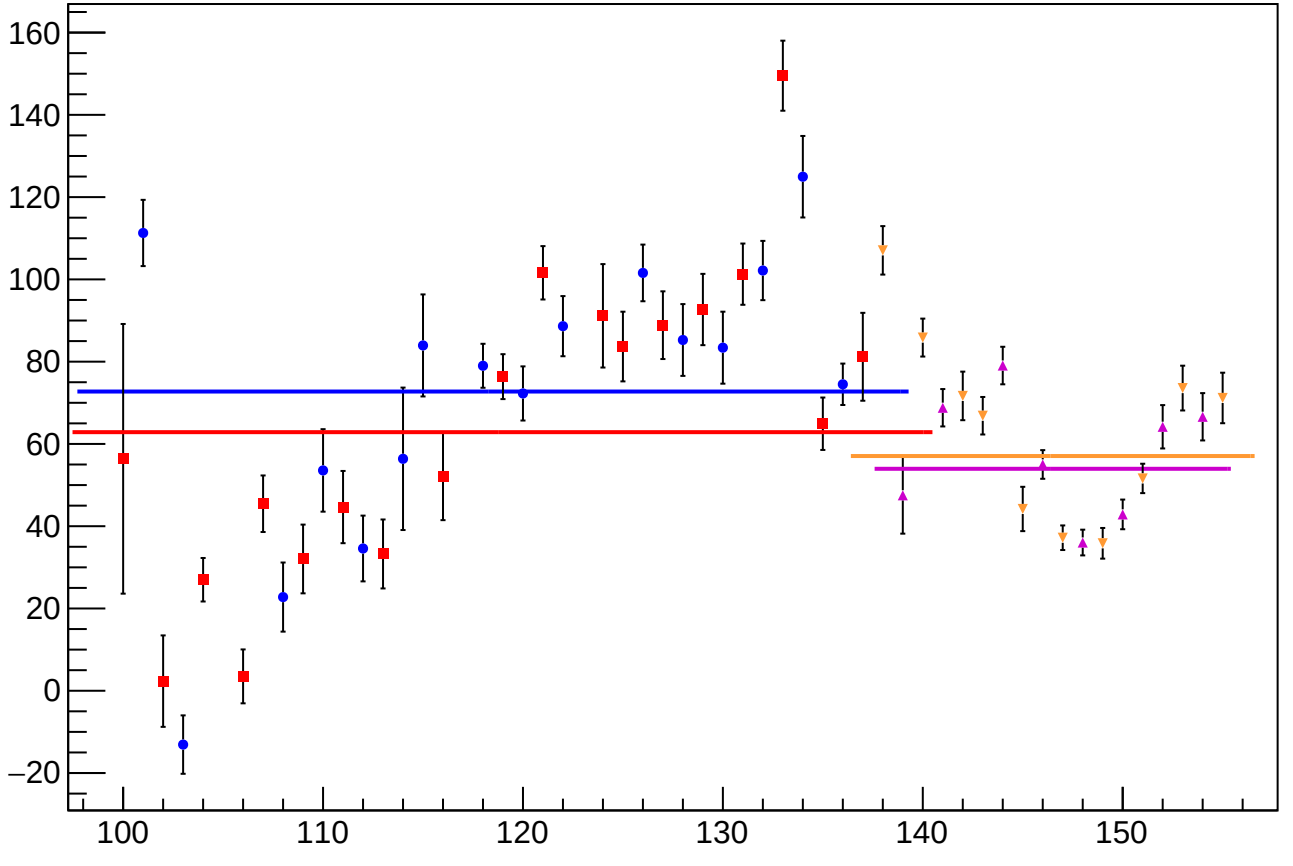
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 374.405+/-1.266 χ^2/NDF:3567.9/23

Out: 354.560+/-1.189 χ^2/NDF:5696.3/28

All: 363.858+/-0.866 χ^2/NDF: 9394.7/52

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: 57.058+/-1.401 χ^2/NDF:220.8/9

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 53.958+/-1.515 χ^2/NDF:92.4/7

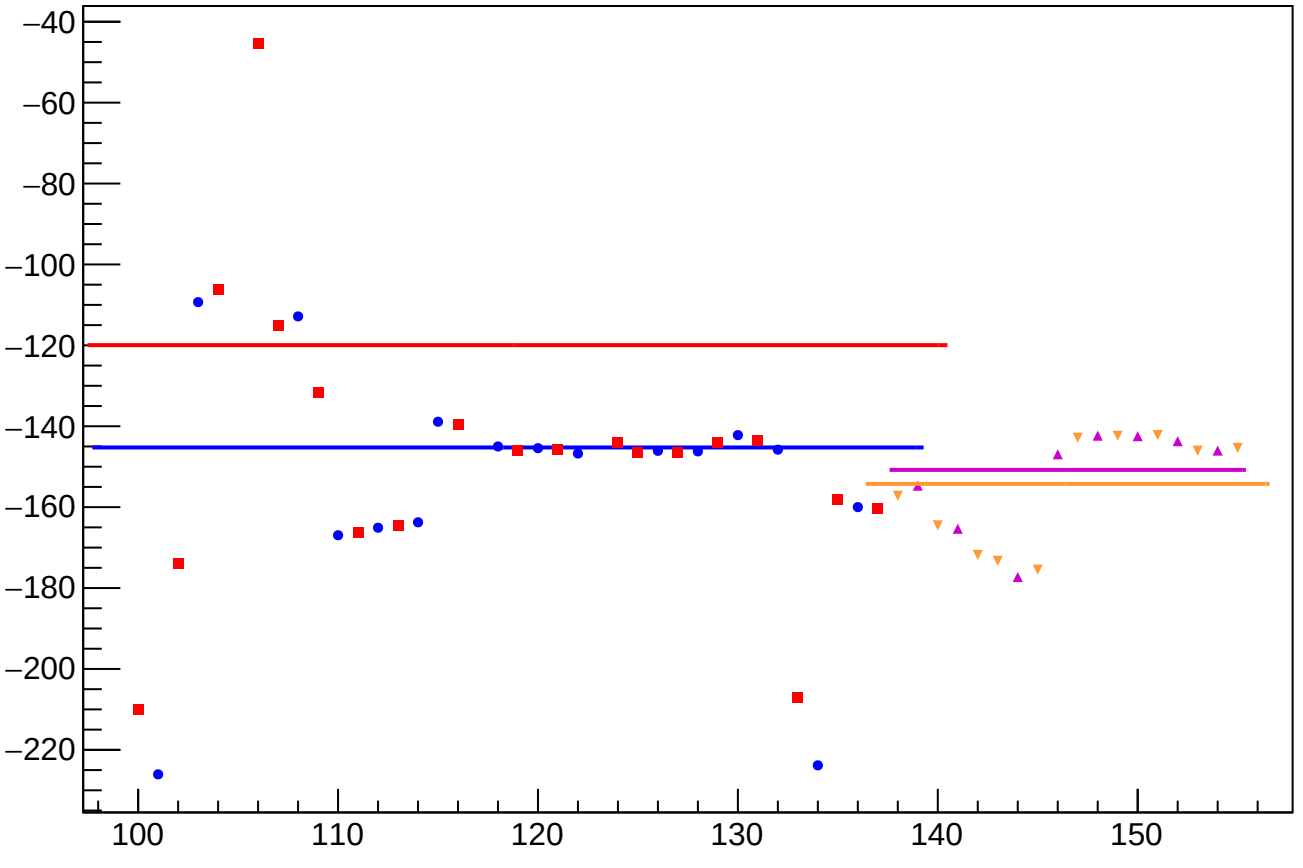
Left: 55.629+/-1.029 χ^2/NDF: 315.4/17

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 61.272+/-1.184 χ^2/NDF:456.6/23

Out: 59.256+/-1.104 χ^2/NDF:630.9/28

All: 60.194+/-0.807 χ^2/NDF: 1089.0/52



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -154.247+/-0.070 χ^2/NDF:34647.6/9

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -150.785+/-0.073 χ^2/NDF:22777.9/7

Left: -152.598+/-0.050 χ^2/NDF: 58600.6/17

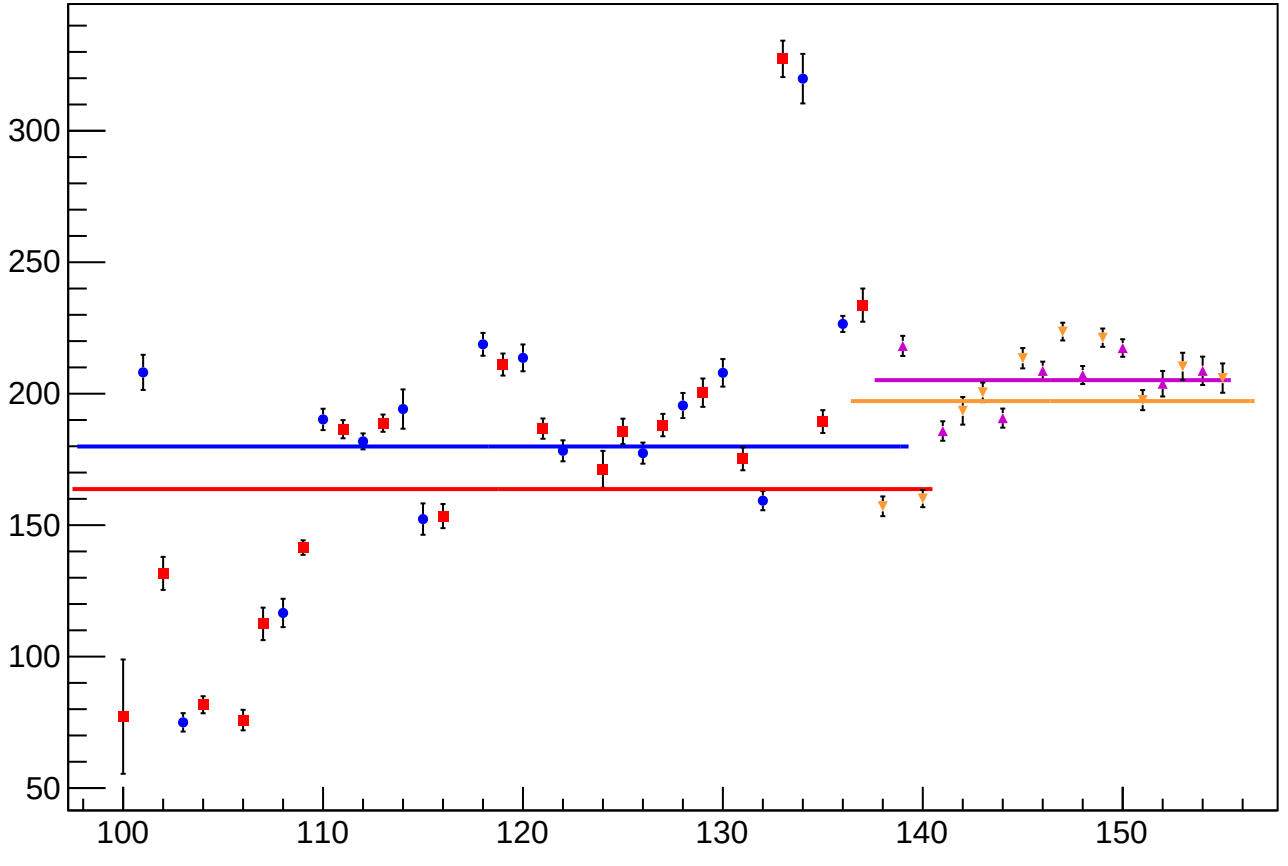
Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -148.814+/-0.059 χ^2/NDF:156879.0/23

Out: -141.202+/-0.055 χ^2/NDF:397105.8/28

All: -144.755+/-0.040 χ^2/NDF: 562966.3/52

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: 197.190+/-1.243 χ^2/NDF:379.0/9

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 205.152+/-1.348 χ^2/NDF:69.9/7

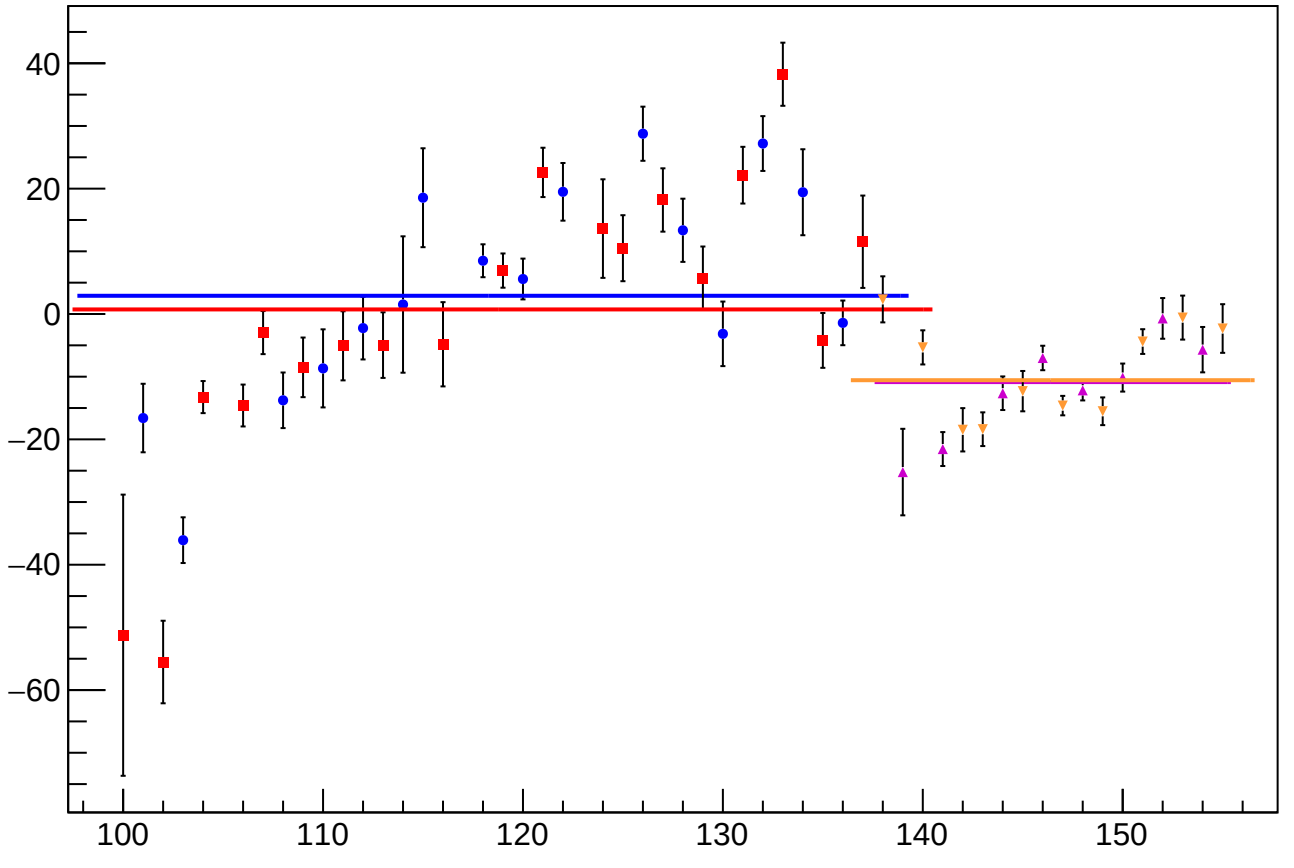
Left: 200.849+/-0.914 χ^2/NDF: 467.8/17

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 189.879+/-0.847 χ^2/NDF:2014.7/23

Out: 176.884+/-0.779 χ^2/NDF:3235.8/28

All: 182.844+/-0.574 χ^2/NDF: 5378.0/52



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -10.563+/-0.803 χ^2/NDF:64.2/9

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -10.861+/-0.872 χ^2/NDF:36.8/7

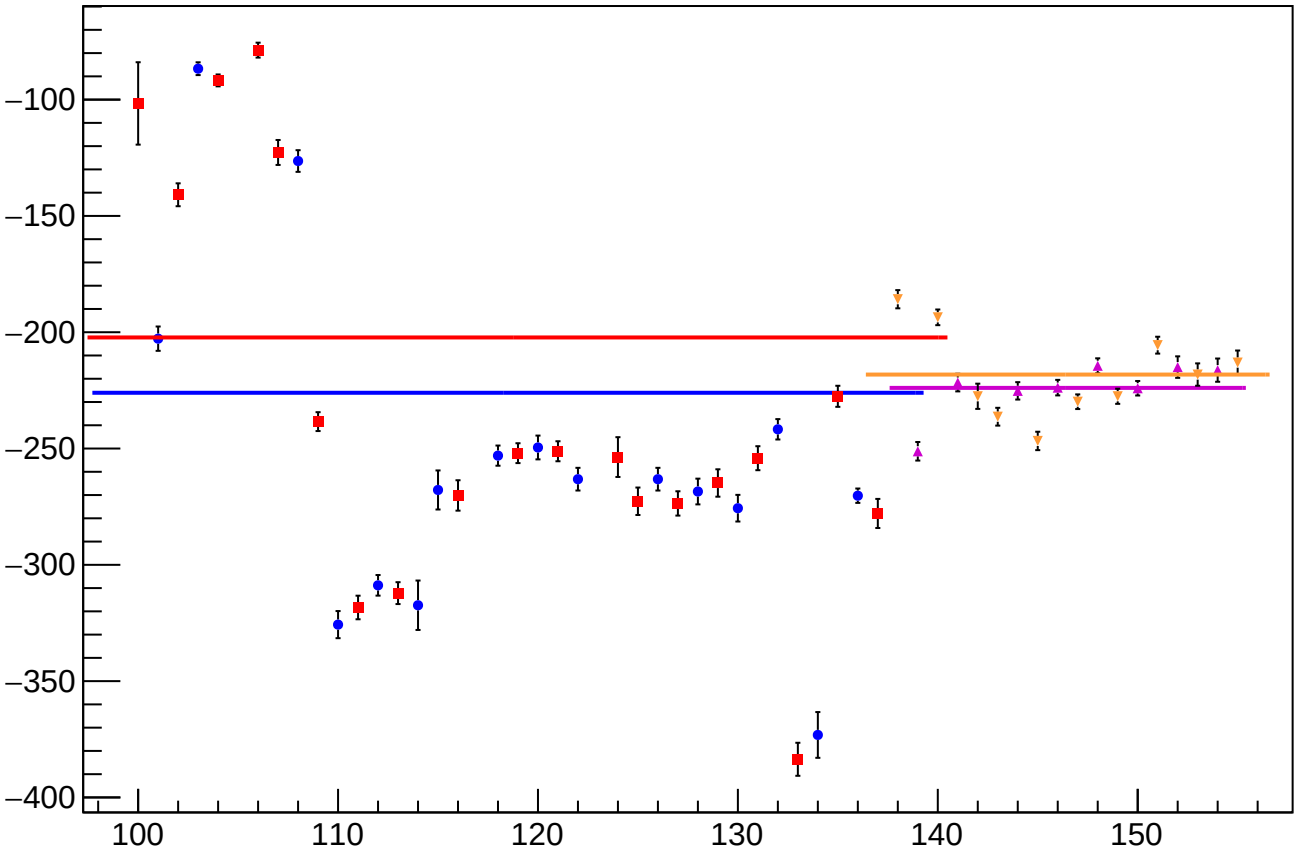
Left: -10.700+/-0.591 χ^2/NDF: 101.1/17

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -5.573+/-0.685 χ^2/NDF:380.0/23

Out: -6.201+/-0.629 χ^2/NDF:414.2/28

All: -5.914+/-0.463 χ^2/NDF: 794.7/52



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -218.201+/-1.221 χ^2/NDF:234.3/9

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -223.930+/-1.313 χ^2/NDF:61.9/7

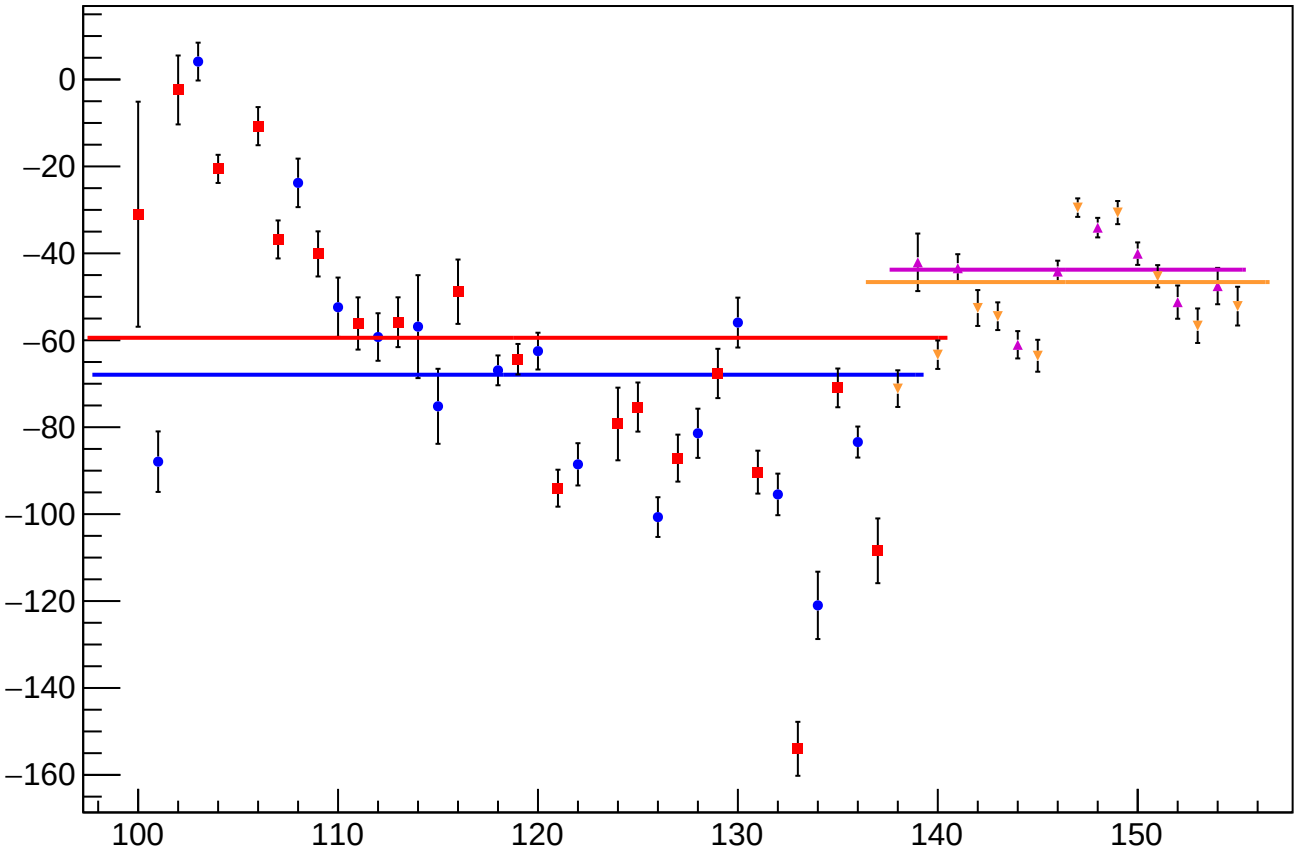
Left: -220.856+/-0.894 χ^2/NDF: 306.5/17

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -225.095+/-0.876 χ^2/NDF:4602.4/23

Out: -209.303+/-0.812 χ^2/NDF:7020.4/28

All: -216.602+/-0.595 χ^2/NDF: 11797.6/52



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -46.607+/-0.996 χ^2/NDF:198.2/9

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -43.759+/-1.081 χ^2/NDF:55.5/7

Left: -45.300+/-0.733 χ^2/NDF: 257.4/17

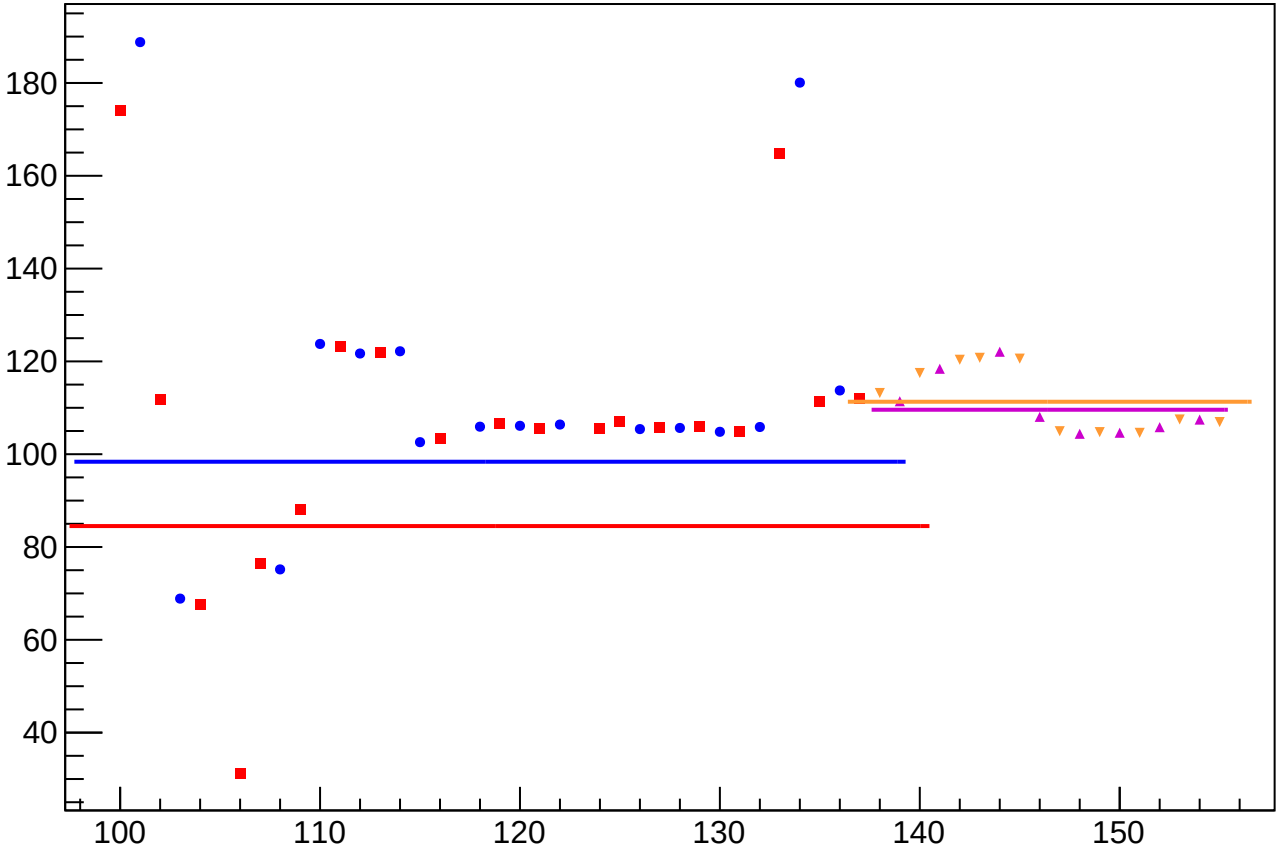
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -53.843+/-0.826 χ^2/NDF:797.9/23

Out: -51.919+/-0.762 χ^2/NDF:1061.7/28

All: -52.804+/-0.560 χ^2/NDF: 1862.6/52

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 111.306+/-0.050 χ^2/NDF:18194.9/9

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 109.581+/-0.052 χ^2/NDF:12860.6/7

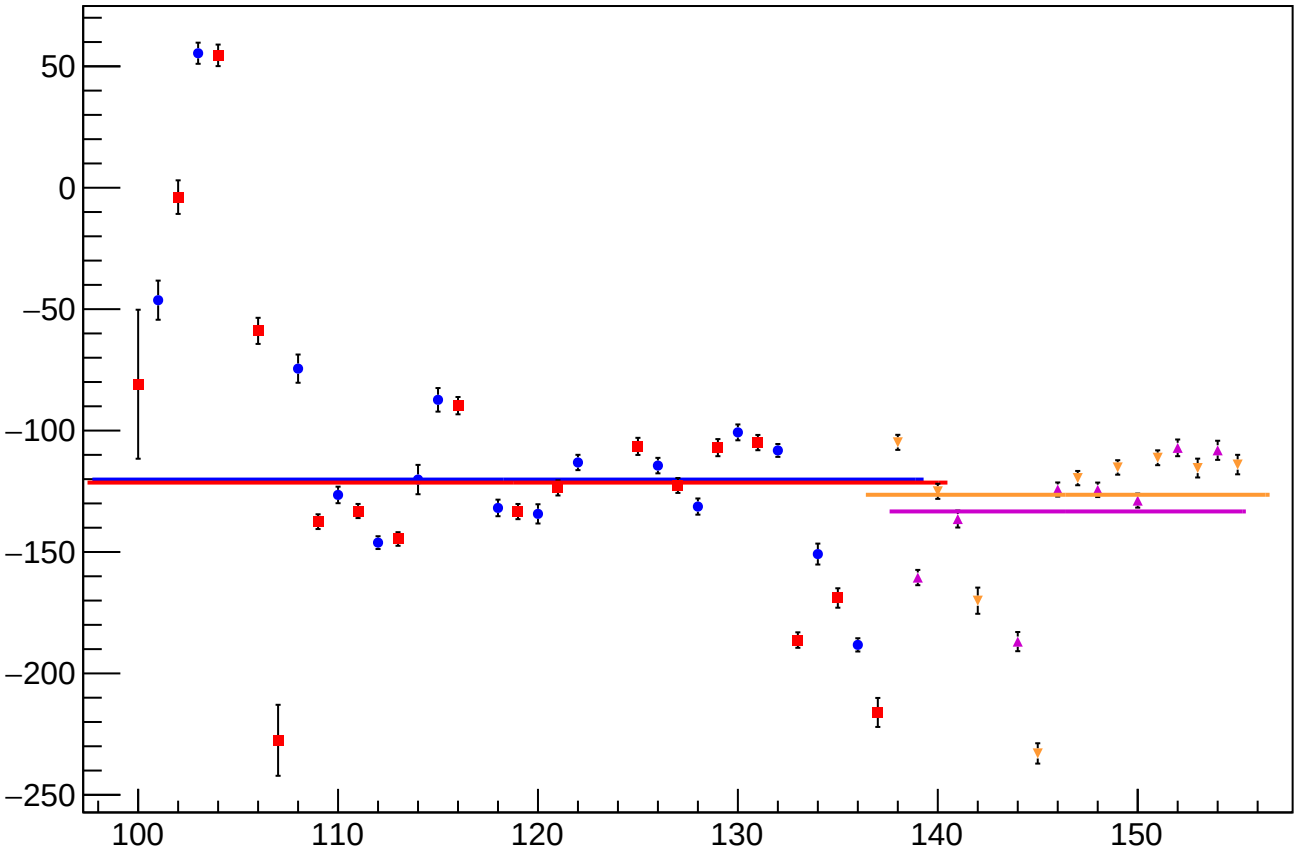
Left: 110.487+/-0.036 χ^2/NDF: 31629.6/17

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.274+/-0.041 χ^2/NDF:258997.1/23

Out: 100.565+/-0.038 χ^2/NDF:404113.0/28

All: 102.768+/-0.028 χ^2/NDF: 670149.2/52



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -126.437+/-1.146 χ^2/NDF:823.4/8

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -133.301+/-1.159 χ^2/NDF:379.4/7

Left: -129.830+/-0.815 χ^2/NDF: 1220.6/16

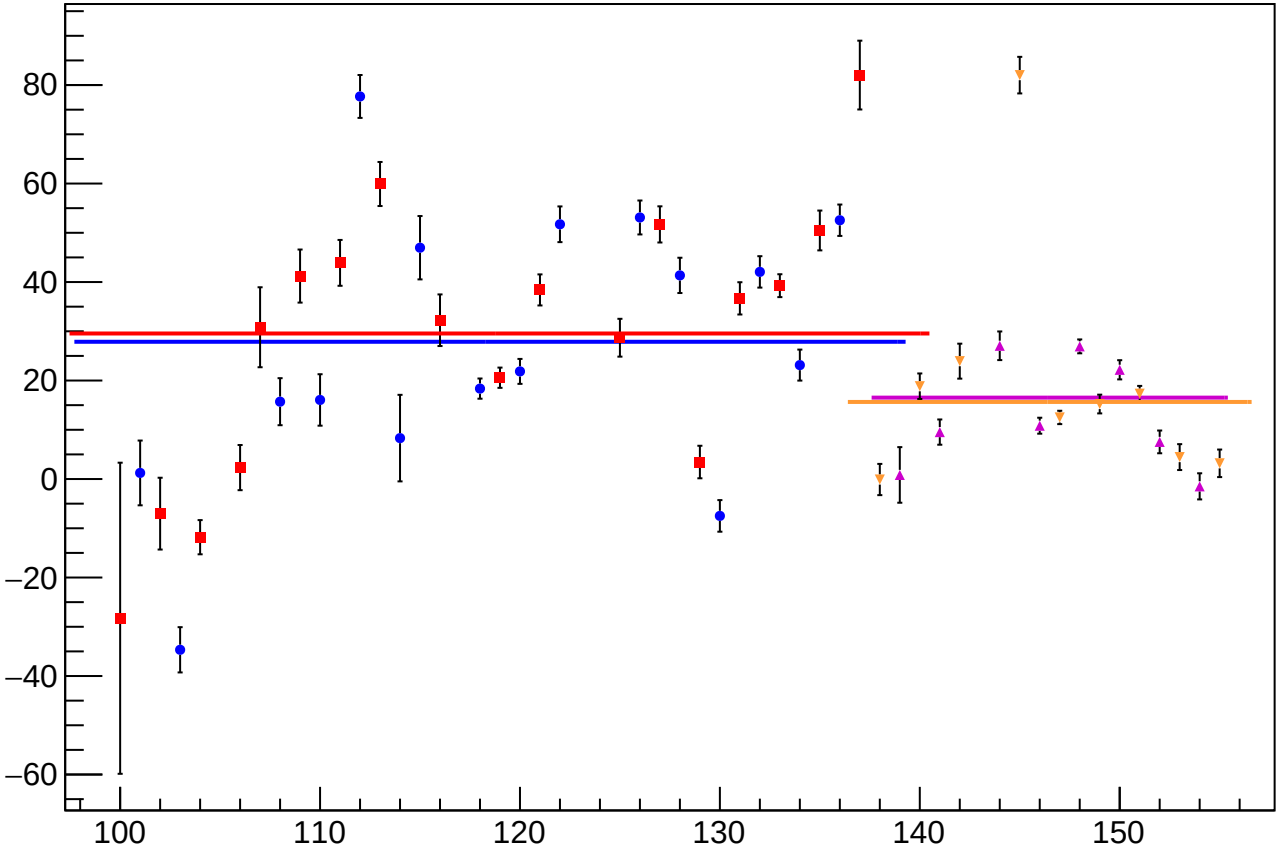
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -125.049+/-0.706 χ^2/NDF:3151.2/23

Out: -123.267+/-0.696 χ^2/NDF:3961.9/26

All: -124.145+/-0.496 χ^2/NDF: 7116.3/50

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: 15.653+/-0.727 χ^2/NDF:395.4/8

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 16.528+/-0.750 χ^2/NDF:164.9/7

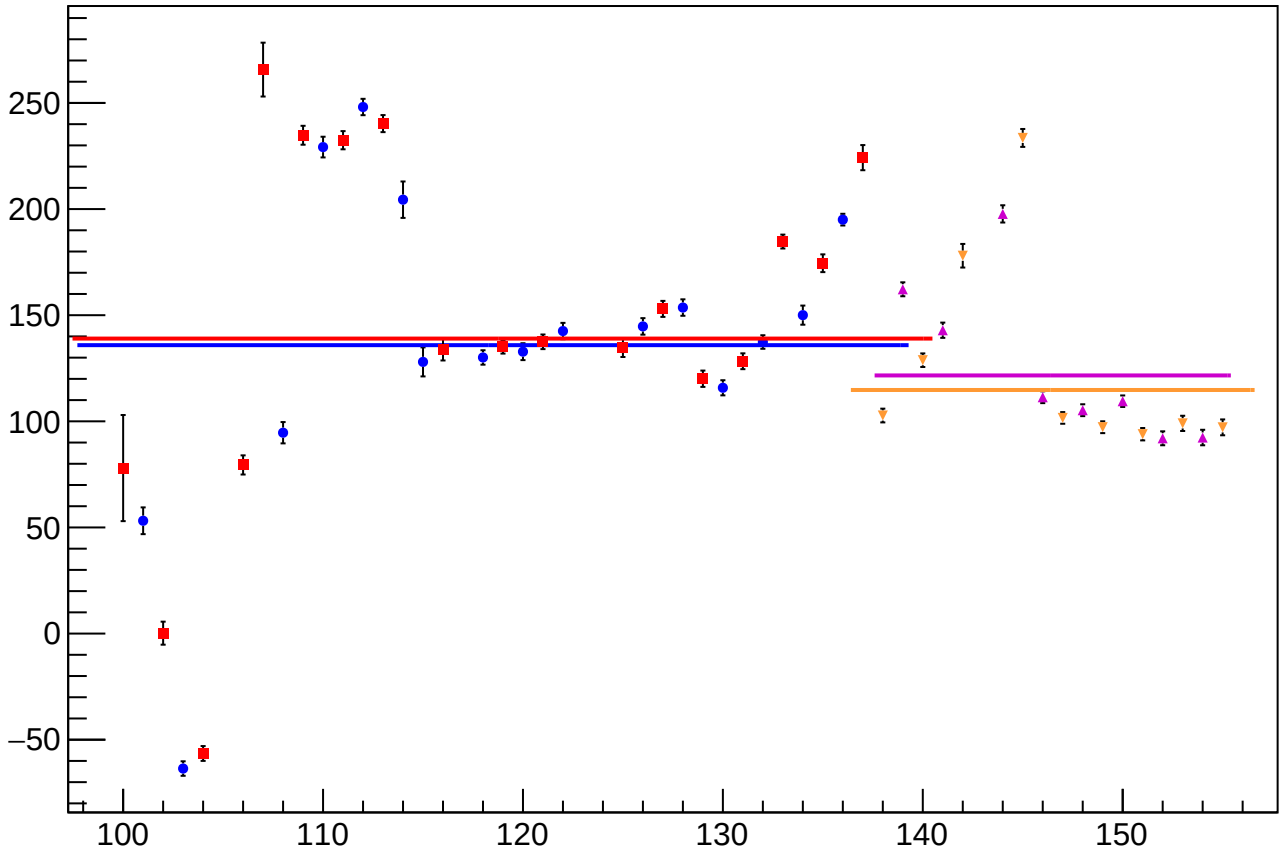
Left: 16.077+/-0.522 χ^2/NDF: 561.0/16

Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 21.248+/-0.573 χ^2/NDF:959.8/23

Out: 21.220+/-0.563 χ^2/NDF:1039.2/26

All: 21.234+/-0.402 χ^2/NDF: 1999.0/50



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 114.766+/-1.112 χ^2/NDF:1109.1/8

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 121.619+/-1.124 χ^2/NDF:751.9/7

Left: 118.155+/-0.790 χ^2/NDF: 1879.8/16

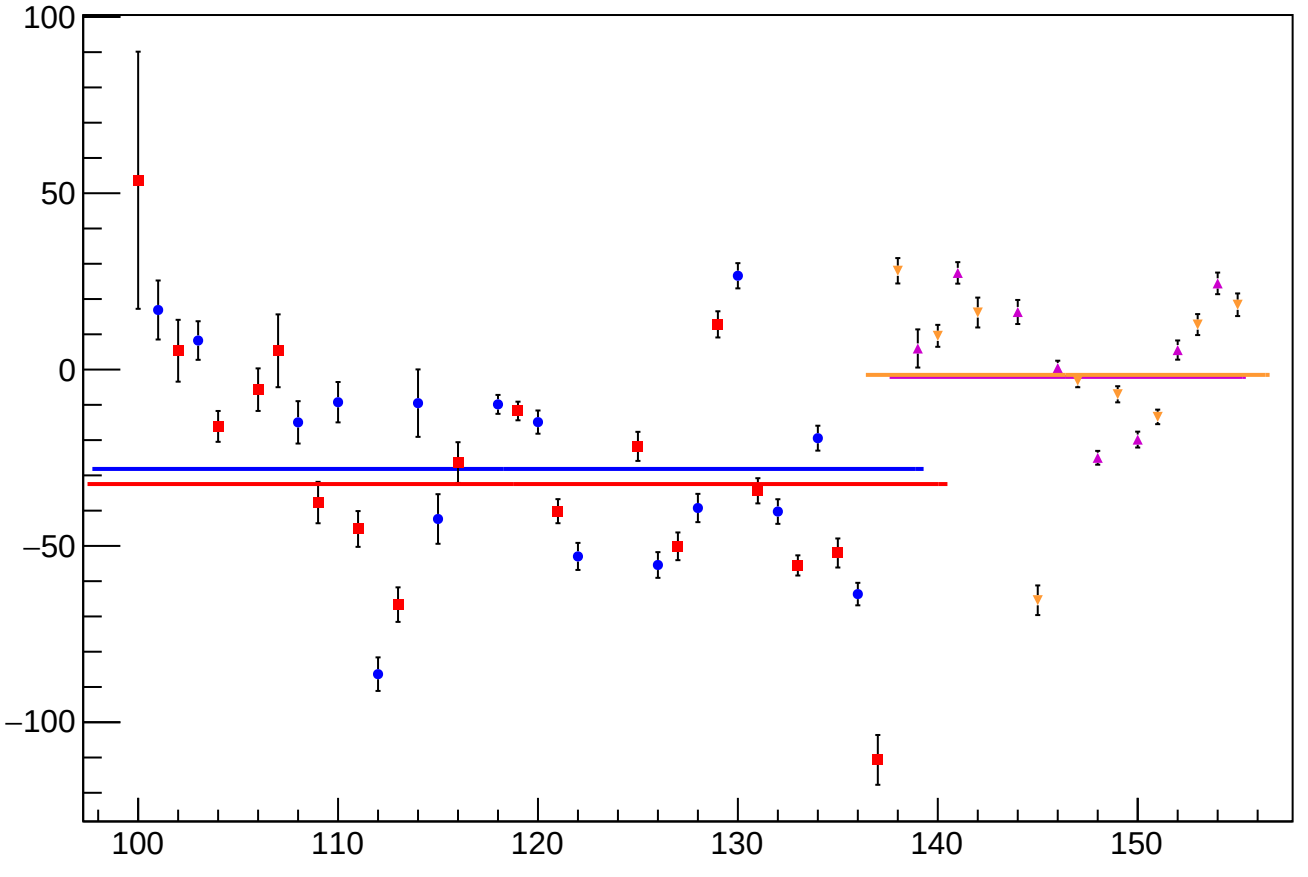
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 129.591+/-0.746 χ^2/NDF:6305.5/23

Out: 128.172+/-0.743 χ^2/NDF:7528.3/26

All: 128.878+/-0.527 χ^2/NDF: 13835.7/50

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: -1.506+/-0.906 χ^2/NDF:429.9/8

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -2.075+/-0.928 χ^2/NDF:408.4/7

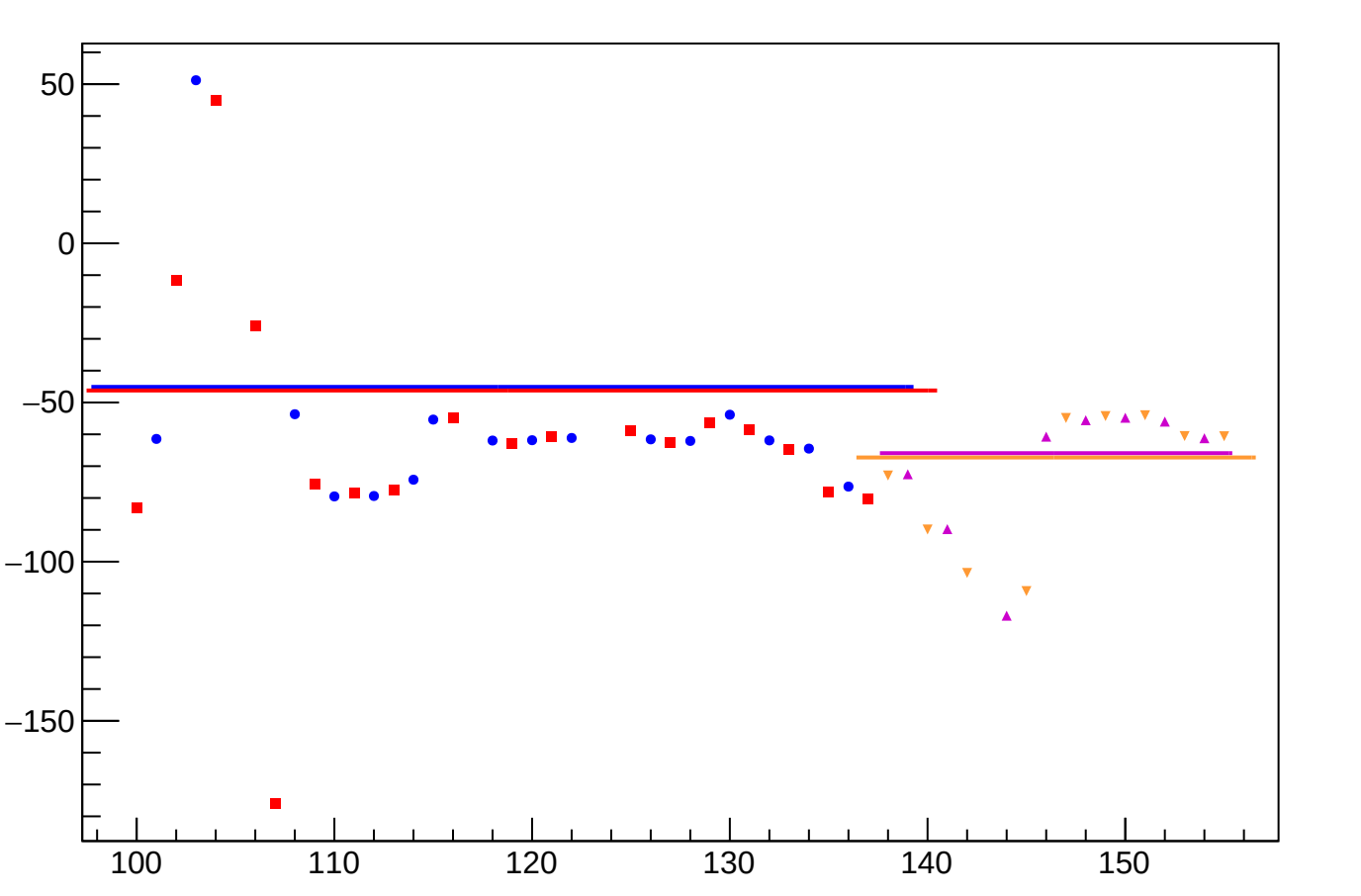
Left: -1.783+/-0.648 χ^2/NDF: 838.5/16

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -13.871+/-0.687 χ^2/NDF:1556.9/23

Out: -15.042+/-0.679 χ^2/NDF:1521.5/26

All: -14.463+/-0.483 χ^2/NDF: 3079.9/50



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -67.275+/-0.044 χ^2/NDF:157989.7/8

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -65.926+/-0.044 χ^2/NDF:136690.2/7

Left: -66.596+/-0.031 χ^2/NDF: 295148.2/16

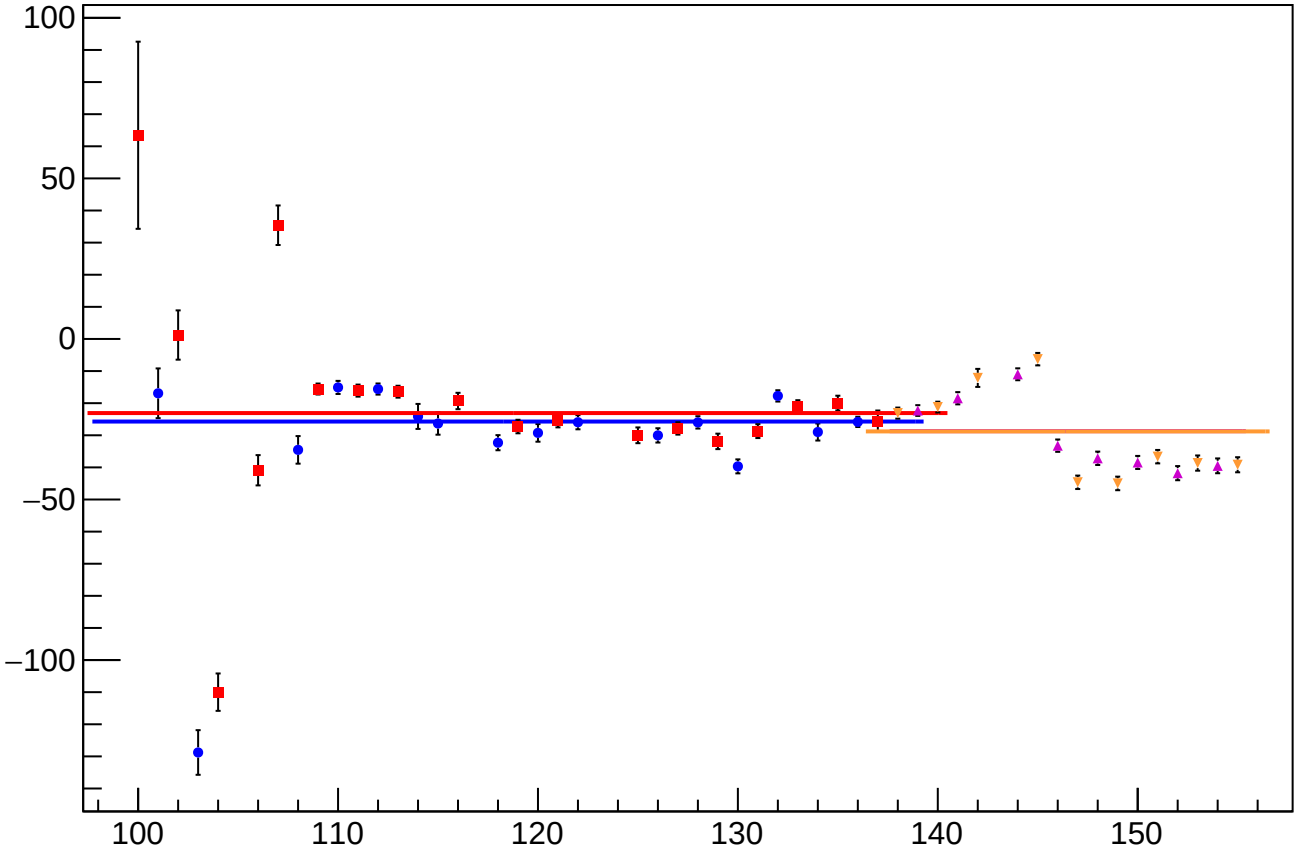
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.680+/-0.035 χ^2/NDF:790029.7/23

Out: -60.266+/-0.036 χ^2/NDF:727026.2/26

All: -59.459+/-0.025 χ^2/NDF: 1518037.5/50

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: -28.795+/-0.687 χ^2/NDF:367.6/8

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -28.712+/-0.697 χ^2/NDF:236.6/7

Left: -28.754+/-0.489 χ^2/NDF: 604.1/16

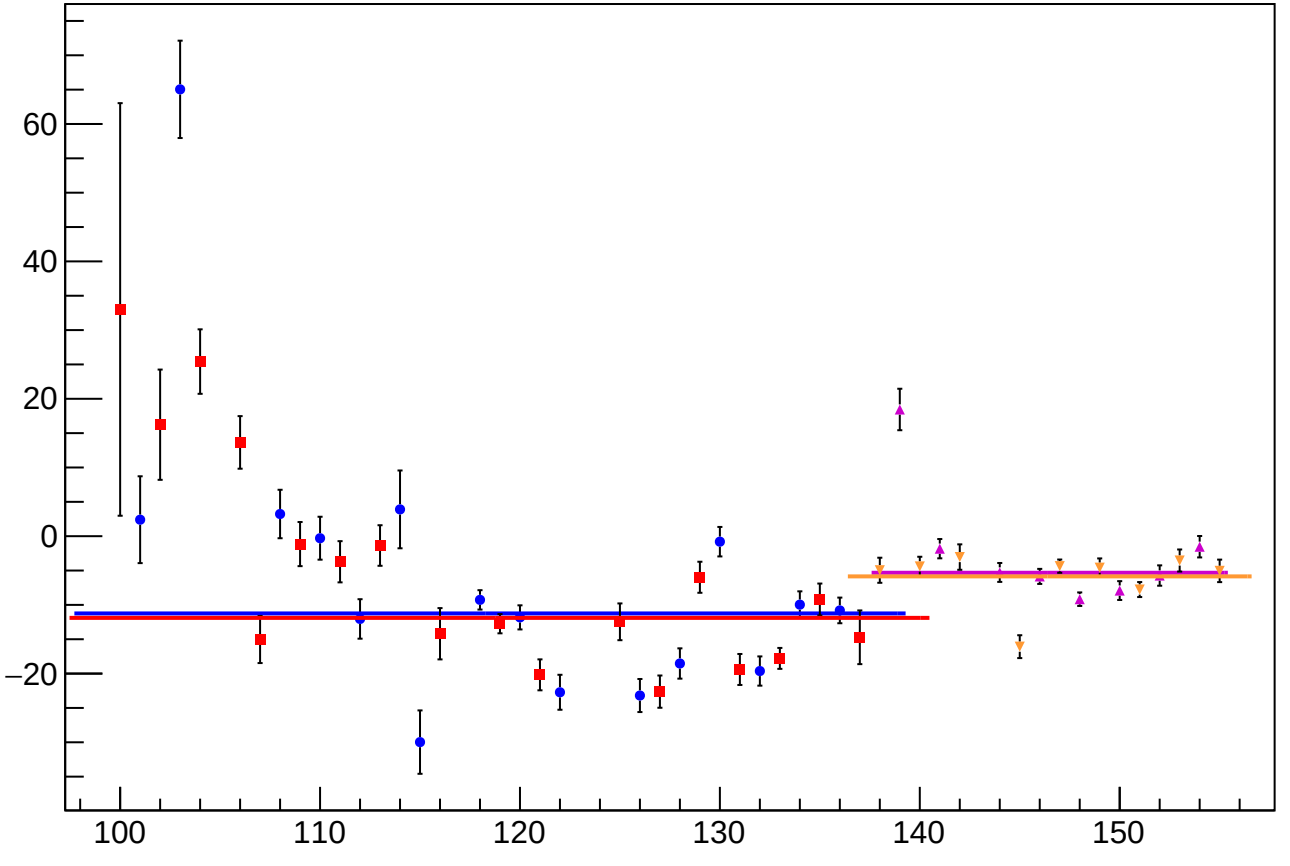
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -26.971+/-0.450 χ^2/NDF:610.3/23

Out: -25.466+/-0.444 χ^2/NDF:845.0/26

All: -26.208+/-0.316 χ^2/NDF: 1460.9/50

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -5.852+/-0.462 χ^2/NDF:50.0/8

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -5.325+/-0.476 χ^2/NDF:93.3/7

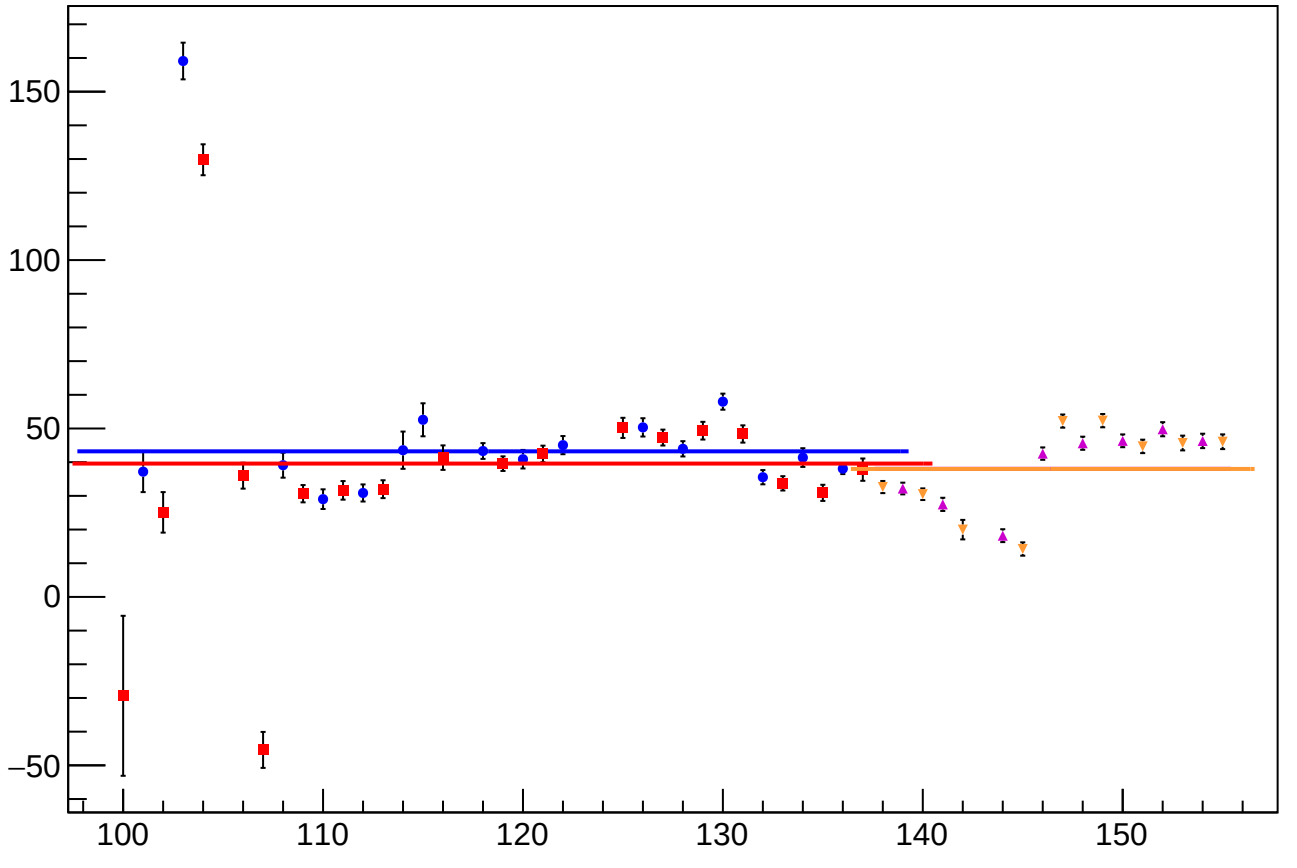
Left: -5.596+/-0.332 χ^2/NDF: 144.0/16

Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.613+/-0.373 χ^2/NDF:424.2/23

Out: -8.069+/-0.368 χ^2/NDF:337.1/26

All: -7.844+/-0.262 χ^2/NDF: 762.0/50



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 37.994+/-0.674 χ^2/NDF:353.2/8

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 38.027+/-0.683 χ^2/NDF:234.5/7

Left: 38.011+/-0.480 χ^2/NDF: 587.7/16

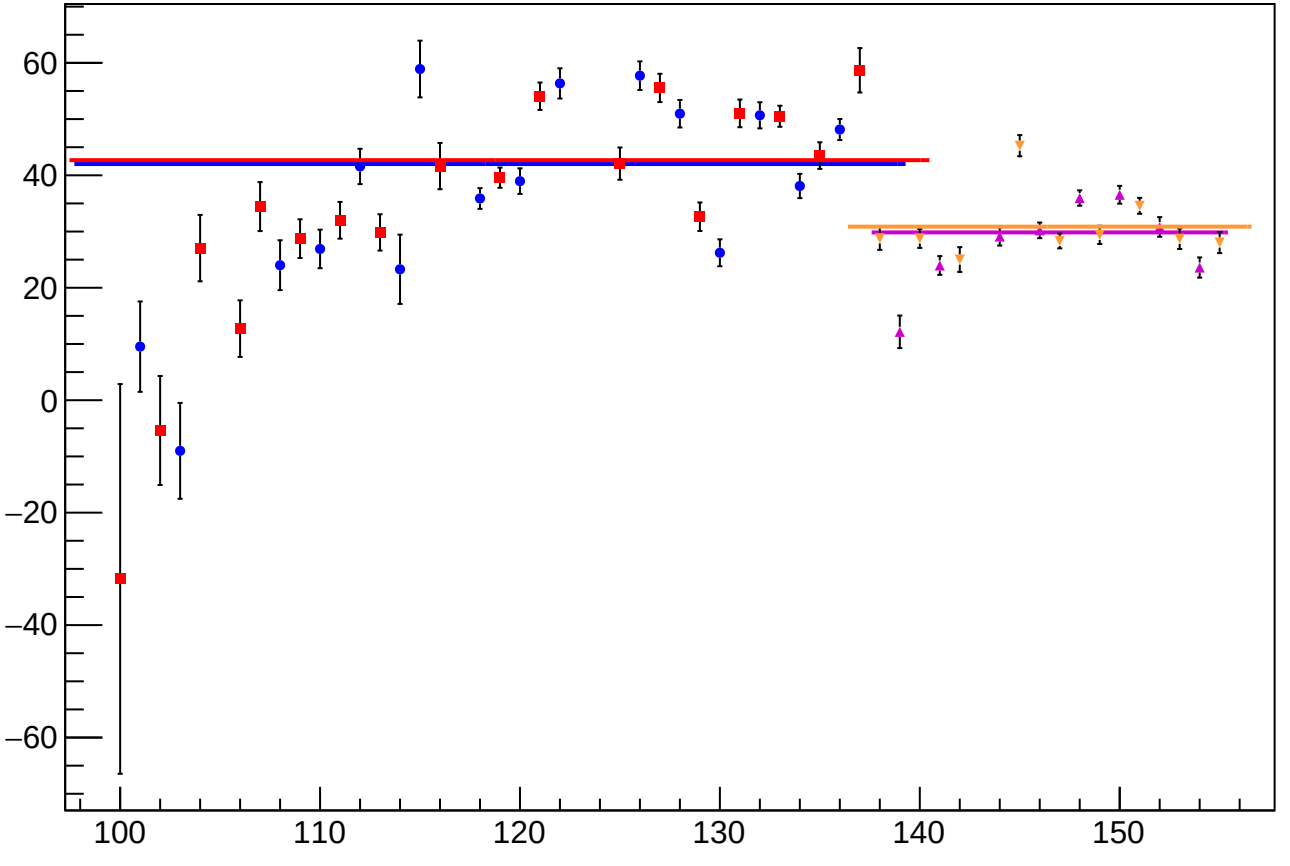
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 40.643+/-0.481 χ^2/NDF:839.6/23

Out: 38.778+/-0.480 χ^2/NDF:1110.0/26

All: 39.709+/-0.340 χ^2/NDF: 1957.1/50

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 30.870+/-0.567 χ^2/NDF:83.0/8

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 29.844+/-0.582 χ^2/NDF:100.3/7

Left: 30.370+/-0.406 χ^2/NDF: 184.9/16

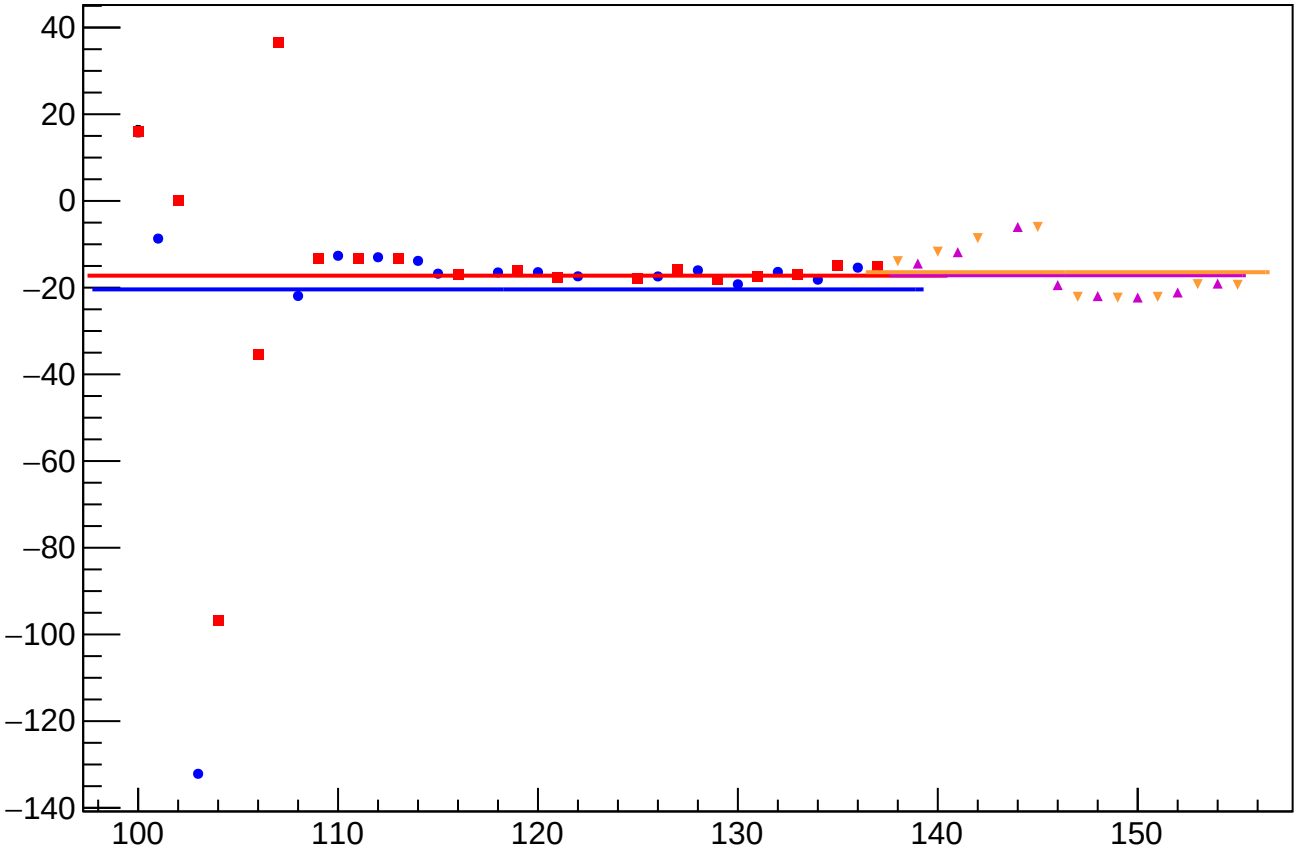
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 34.950+/-0.443 χ^2/NDF:556.6/23

Out: 35.596+/-0.439 χ^2/NDF:487.2/26

All: 35.276+/-0.312 χ^2/NDF: 1044.9/50

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: -16.439+/-0.027 χ^2/NDF:44983.8/8

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -17.141+/-0.027 χ^2/NDF:35812.6/7

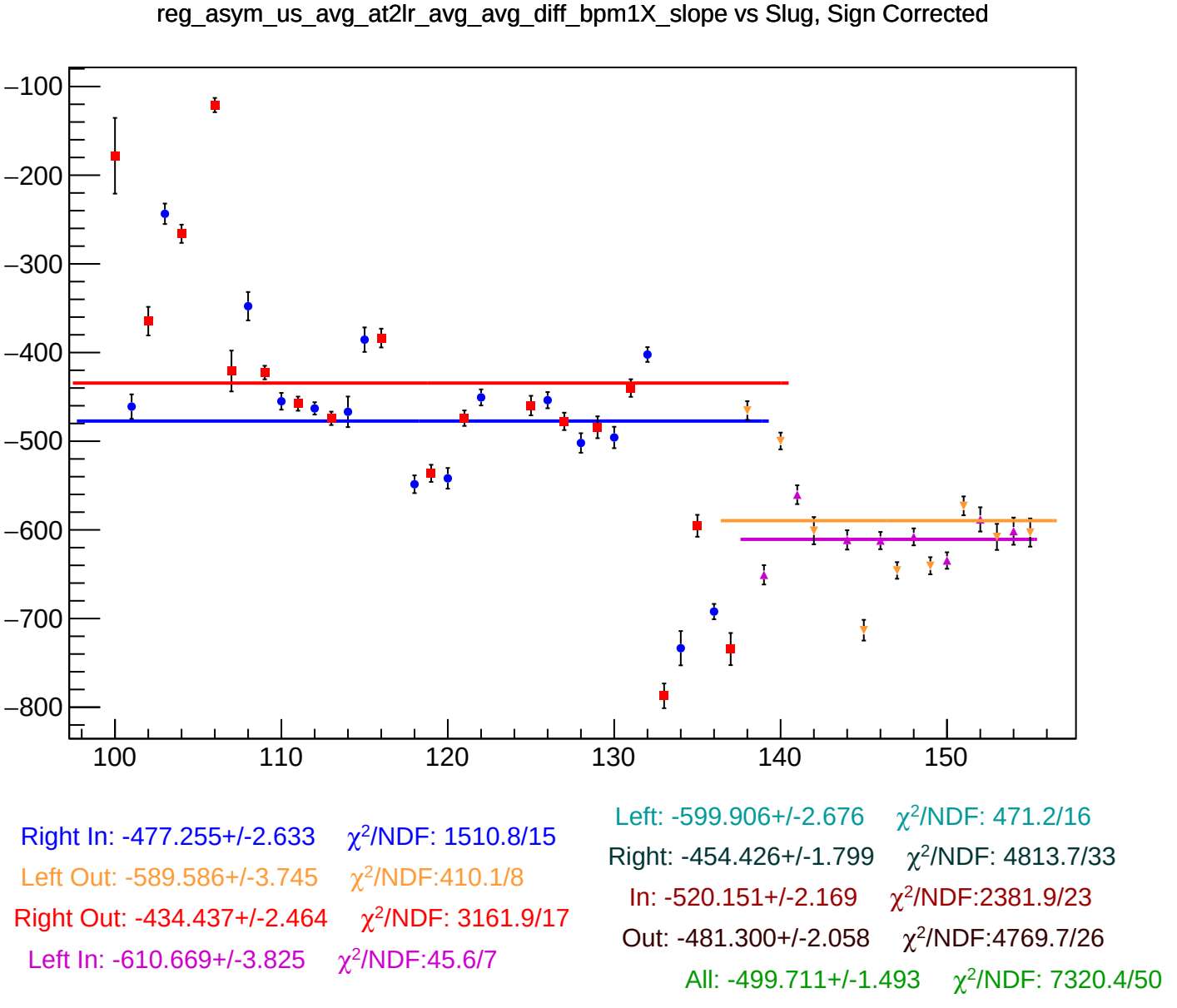
Left: -16.790+/-0.019 χ^2/NDF: 81144.1/16

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

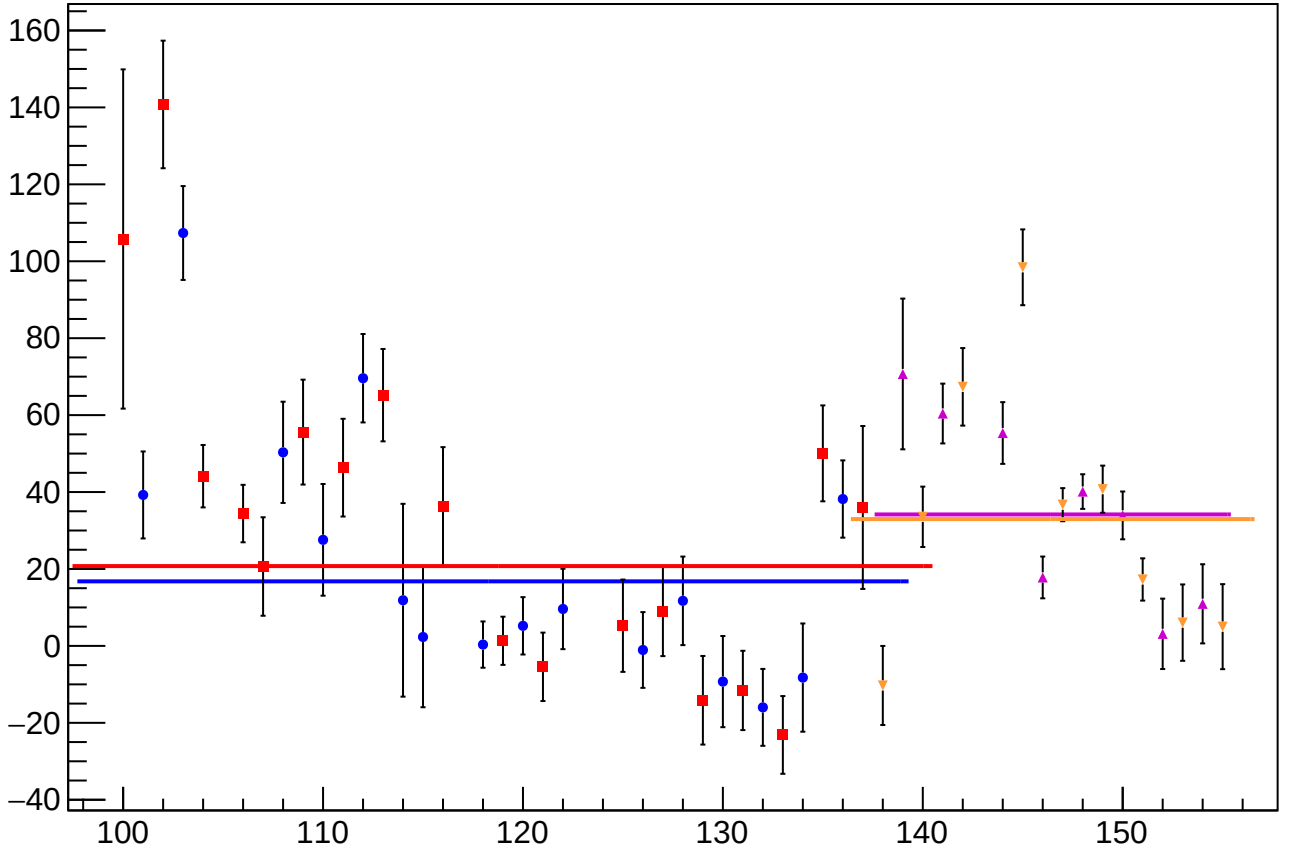
In: -18.081+/-0.022 χ^2/NDF:285742.3/23

Out: -16.652+/-0.023 χ^2/NDF:249880.5/26

All: -17.376+/-0.016 χ^2/NDF: 537615.6/50


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
110
120
130
140
150
Right In: -477.255+/-2.633 χ²/NDF: 1510.8/15
Left Out: -589.586+/-3.745 χ²/NDF:410.1/8
Right Out: -434.437+/-2.464 χ²/NDF: 3161.9/17
Left In: -610.669+/-3.825 χ²/NDF:45.6/7
Left: -599.906+/-2.676 χ²/NDF: 471.2/16
Right: -454.426+/-1.799 χ²/NDF: 4813.7/33
In: -520.151+/-2.169 χ²/NDF:2381.9/23
Out: -481.300+/-2.058 χ²/NDF:4769.7/26
All: -499.711+/-1.493 χ²/NDF: 7320.4/50

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: 32.970+/-2.371 χ^2/NDF:97.8/8

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 34.176+/-2.461 χ^2/NDF:49.3/7

Left: 33.551+/-1.707 χ^2/NDF: 147.2/16

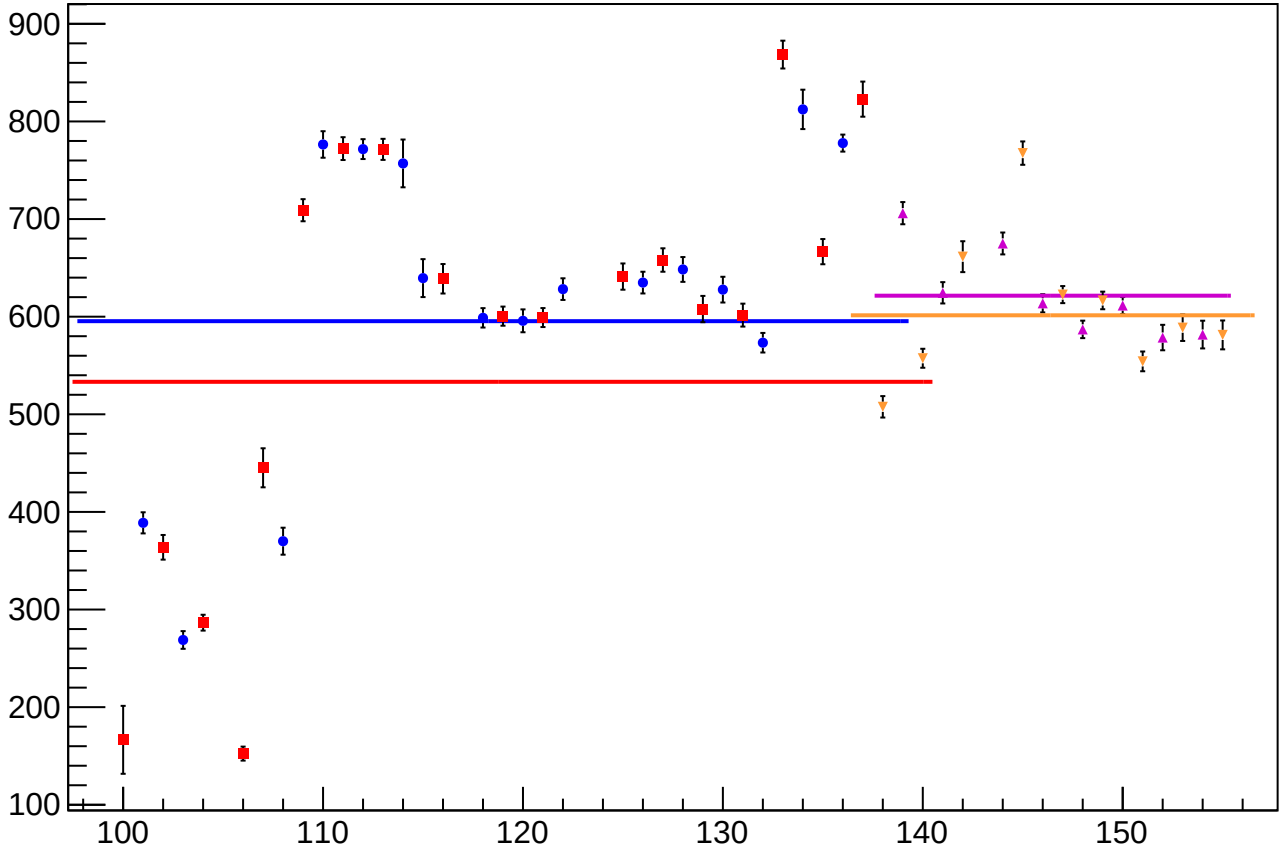
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 26.135+/-1.805 χ^2/NDF:197.3/23

Out: 27.300+/-1.736 χ^2/NDF:268.1/26

All: 26.740+/-1.251 χ^2/NDF: 465.6/50

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: 601.417+/-3.651 χ^2/NDF:334.0/8

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 621.507+/-3.721 χ^2/NDF:113.7/7

Left: 611.272+/-2.606 χ^2/NDF: 462.6/16

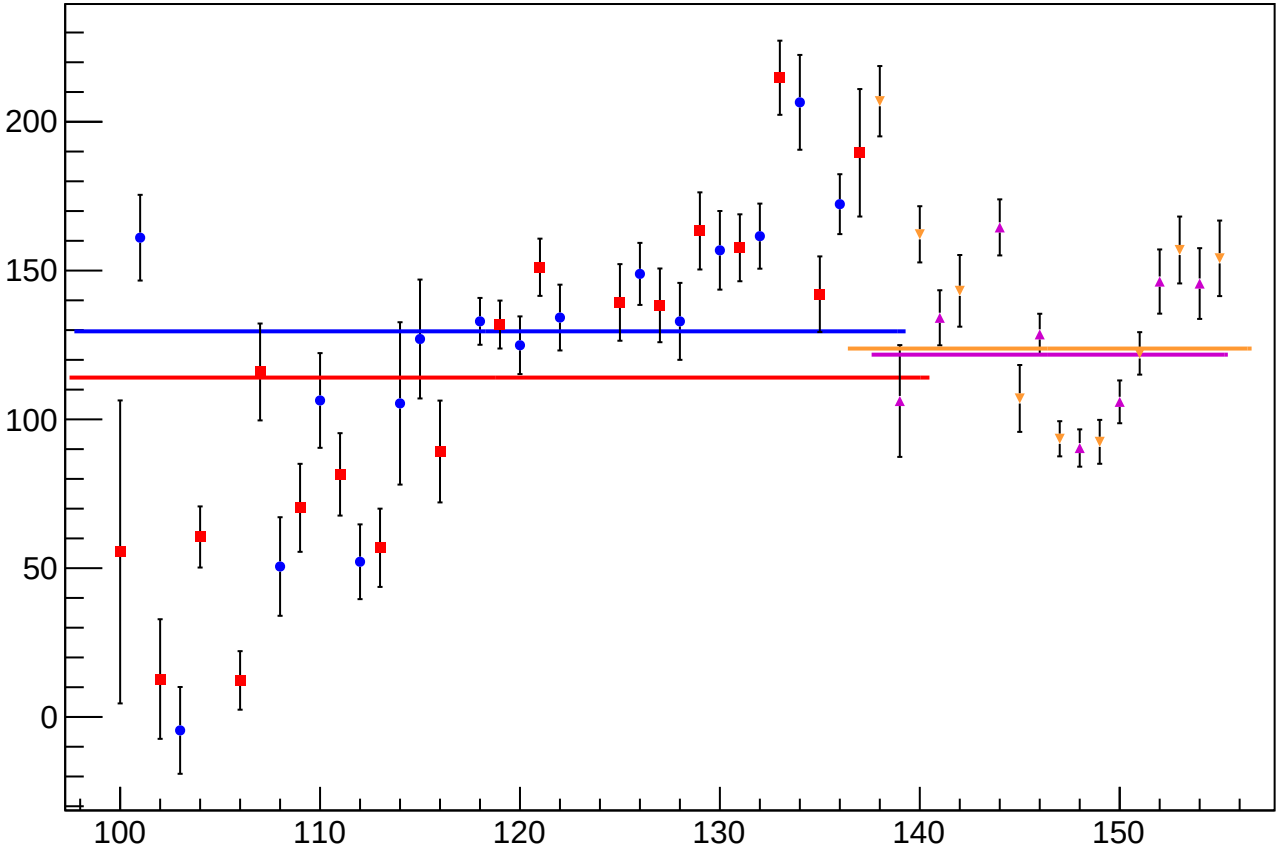
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 605.394+/-2.302 χ^2/NDF:3203.8/23

Out: 557.899+/-2.195 χ^2/NDF:7059.3/26

All: 580.514+/-1.588 χ^2/NDF: 10486.1/50

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: 123.799+/-2.962 χ^2/NDF:129.7/8

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 121.746+/-3.056 χ^2/NDF:63.2/7

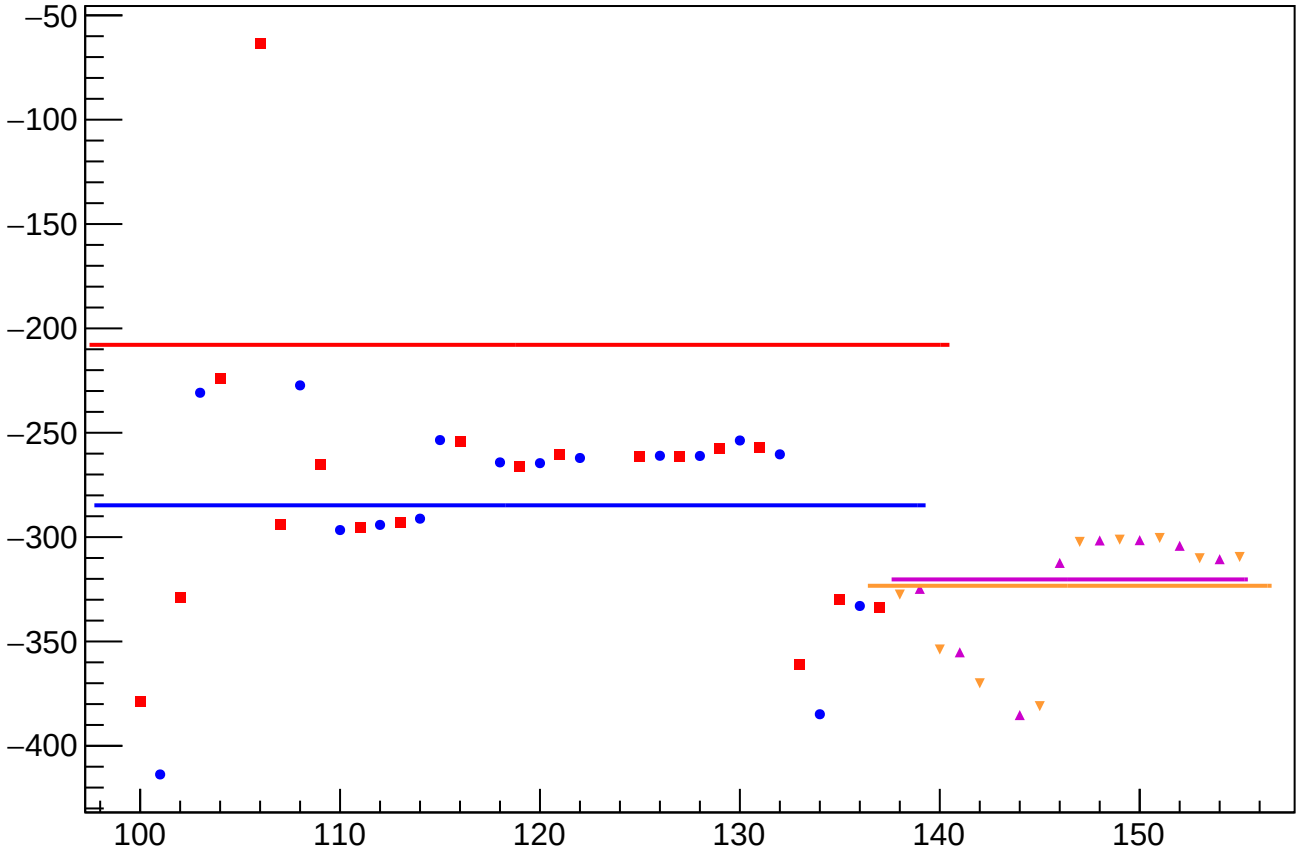
Left: 122.805+/-2.127 χ^2/NDF: 193.1/16

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 125.634+/-2.169 χ^2/NDF:277.7/23

Out: 118.947+/-2.099 χ^2/NDF:471.0/26

All: 122.181+/-1.509 χ^2/NDF: 753.6/50



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -323.313+/-0.148 χ^2/NDF:36135.6/8

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -320.270+/-0.148 χ^2/NDF:30408.5/7

Left: -321.788+/-0.105 χ^2/NDF: 66755.9/16

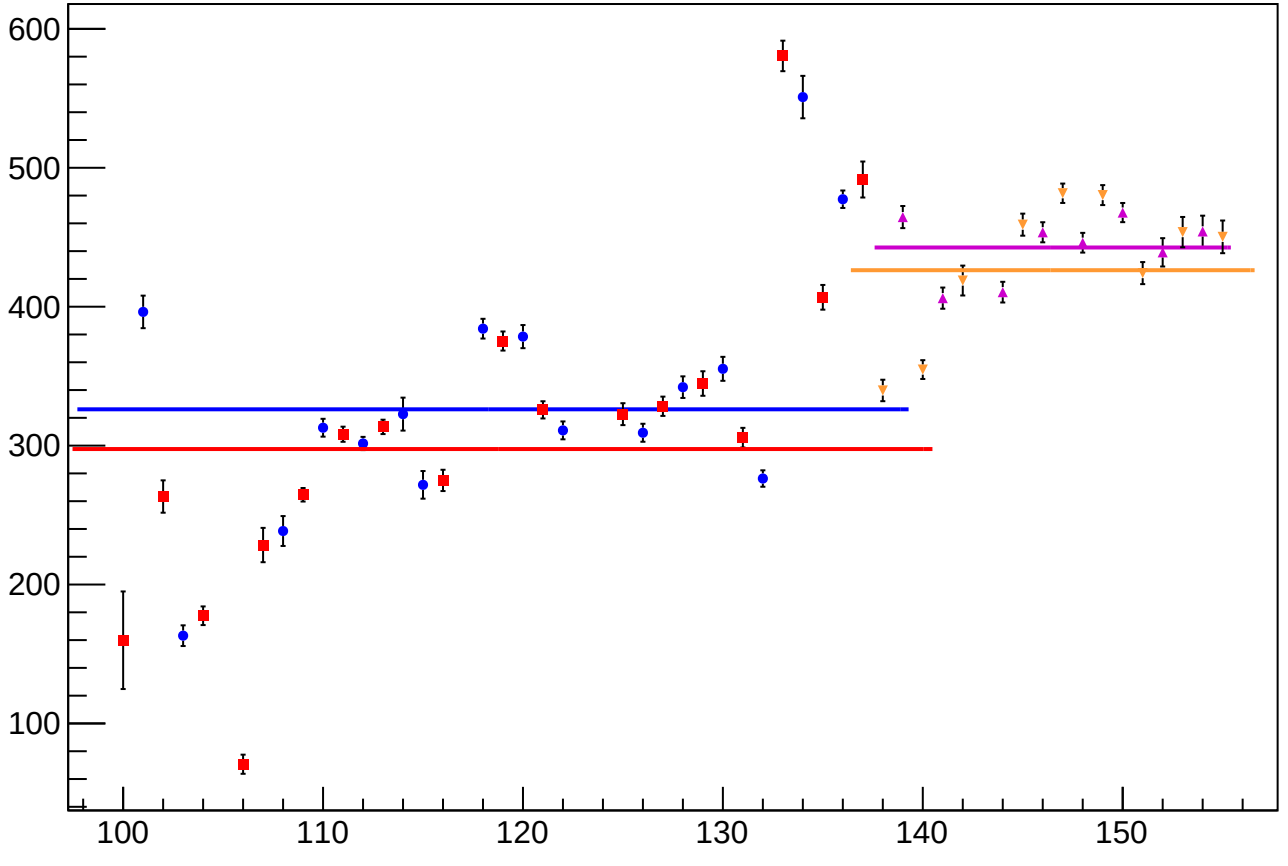
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -305.744+/-0.114 χ^2/NDF:158406.1/23

Out: -265.902+/-0.105 χ^2/NDF:875208.2/26

All: -284.257+/-0.077 χ^2/NDF: 1099988.6/50

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: 426.273+/-2.727 χ^2/NDF:385.0/8

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 442.620+/-2.791 χ^2/NDF:66.1/7

Left: 434.257+/-1.950 χ^2/NDF: 468.6/16

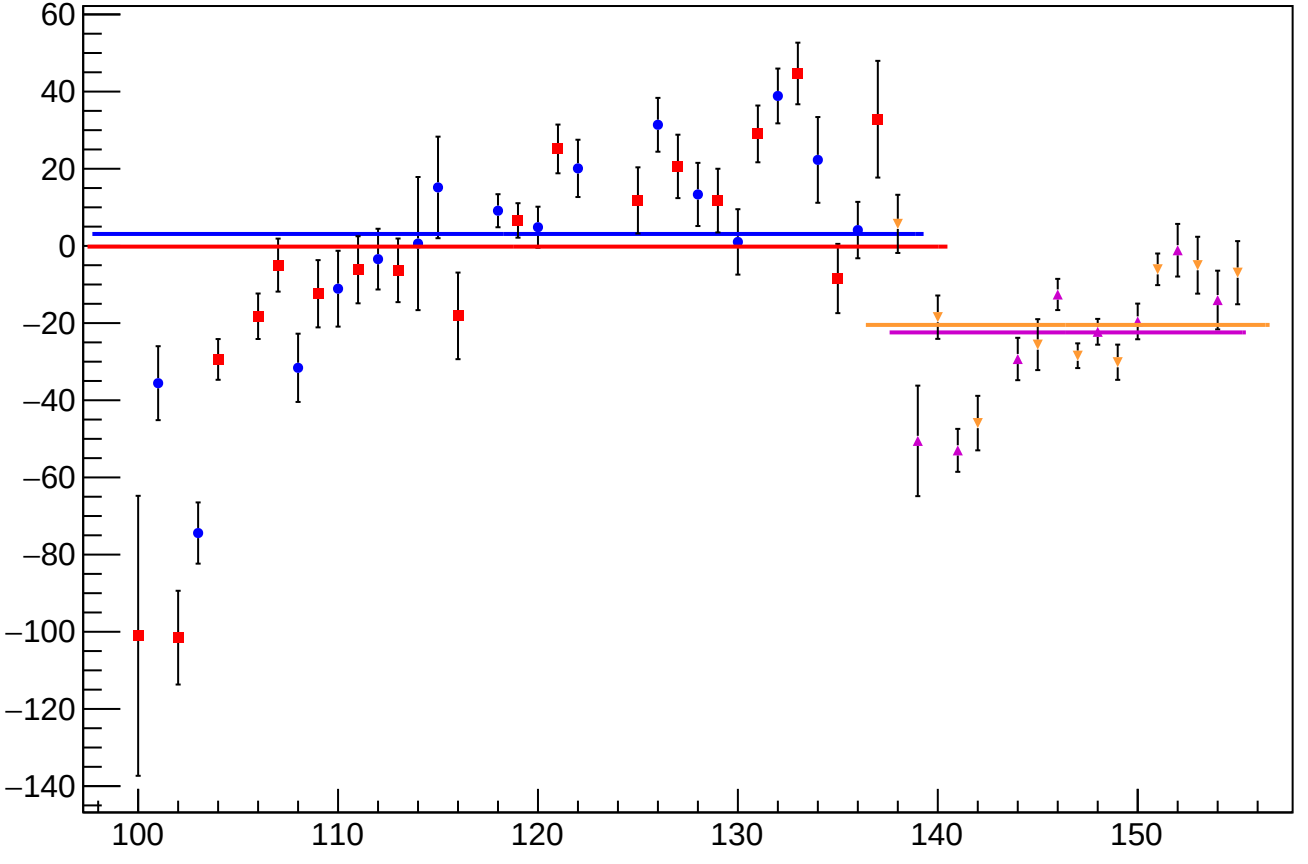
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 361.878+/-1.546 χ^2/NDF:2916.7/23

Out: 334.629+/-1.464 χ^2/NDF:4747.4/26

All: 347.509+/-1.063 χ^2/NDF: 7828.0/50

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: -20.471+/-1.739 χ^2/NDF:56.0/8

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -22.418+/-1.806 χ^2/NDF:52.8/7

Left: -21.408+/-1.253 χ^2/NDF: 109.4/16

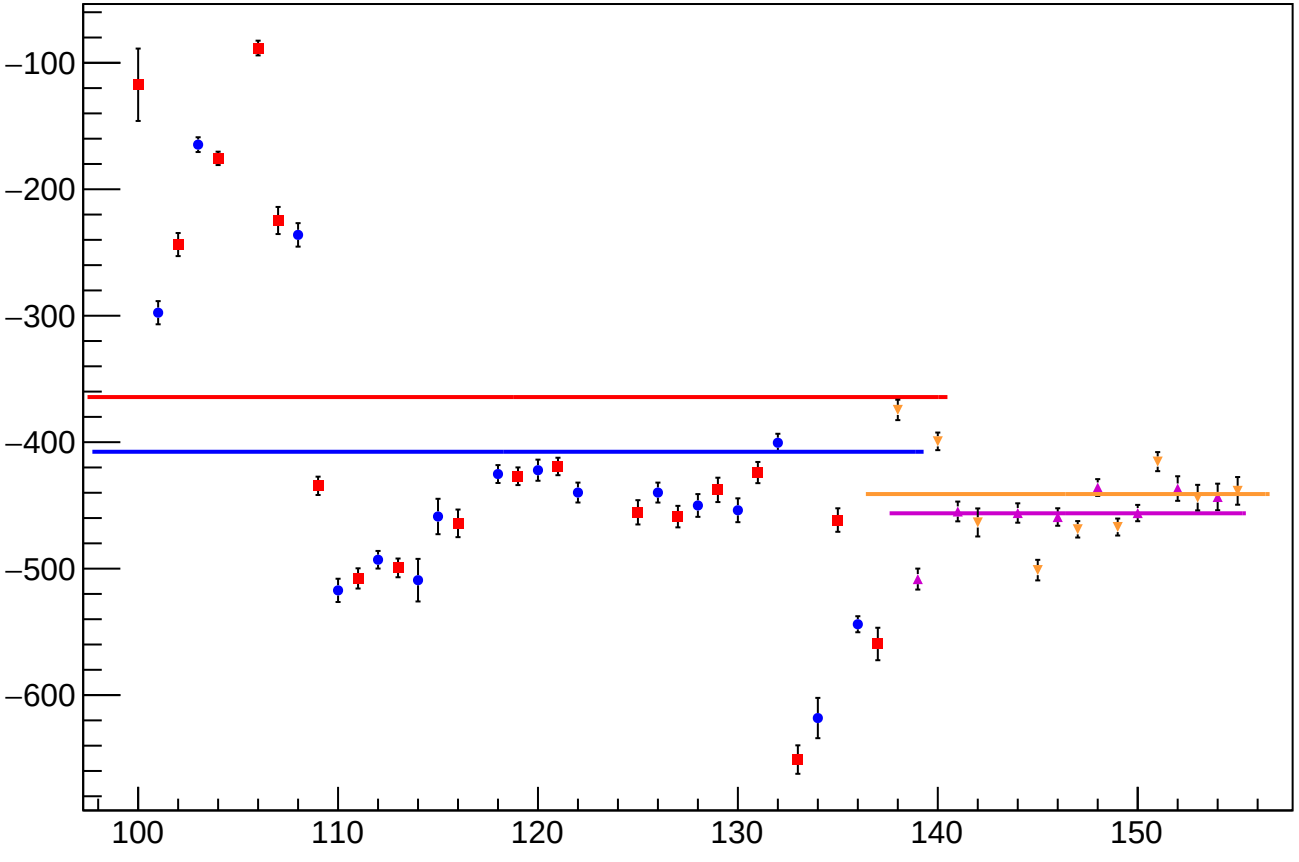
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -10.252+/-1.306 χ^2/NDF:332.6/23

Out: -10.625+/-1.248 χ^2/NDF:327.2/26

All: -10.447+/-0.902 χ^2/NDF: 659.8/50

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -441.018+/-2.665 χ^2/NDF:207.9/8

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -456.236+/-2.720 χ^2/NDF:54.5/7

Left: -448.470+/-1.903 χ^2/NDF: 278.4/16

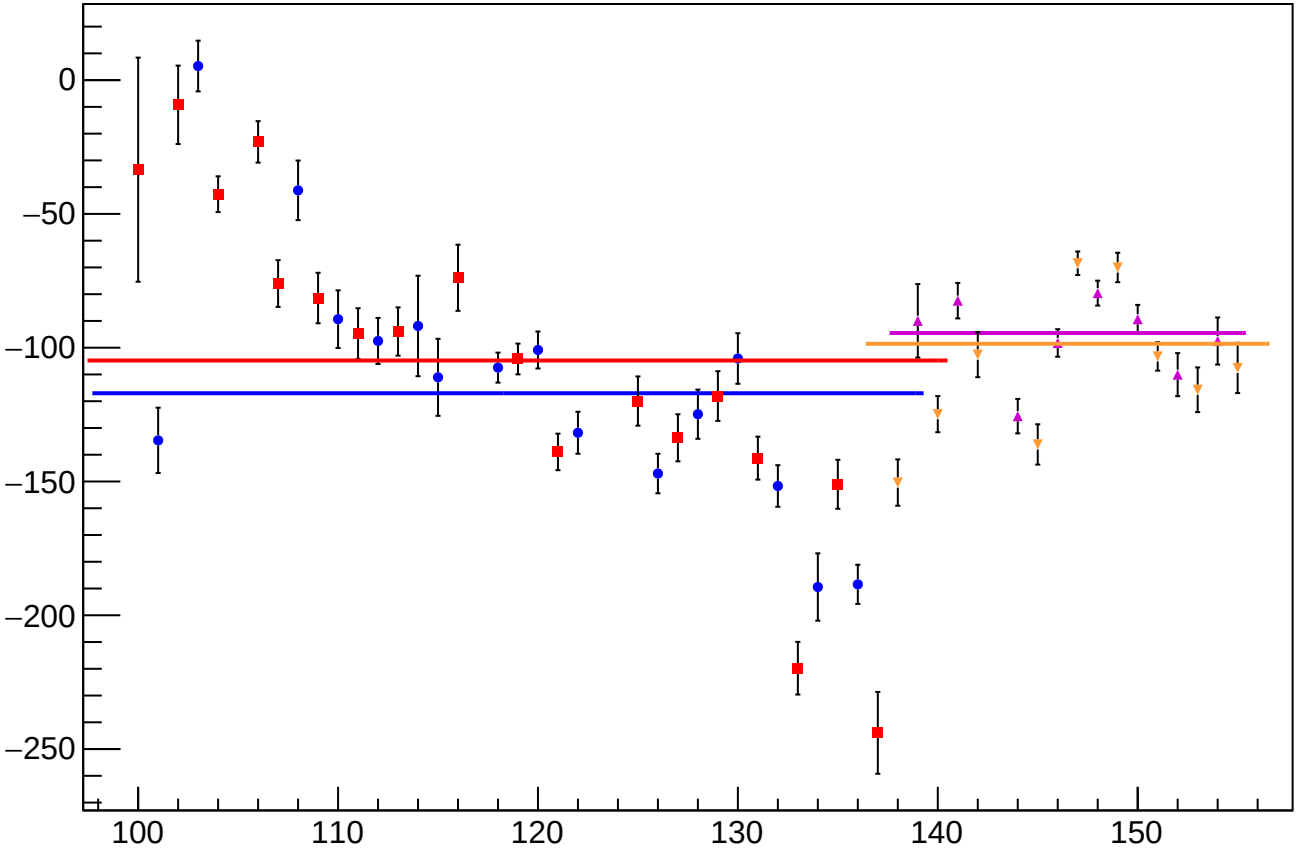
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -425.462+/-1.649 χ^2/NDF:3537.5/23

Out: -390.935+/-1.570 χ^2/NDF:6969.3/26

All: -407.346+/-1.137 χ^2/NDF: 10736.8/50

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -98.536+/-2.168 χ^2/NDF:155.9/8

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -94.513+/-2.239 χ^2/NDF:42.3/7

Left: -96.589+/-1.558 χ^2/NDF: 199.8/16

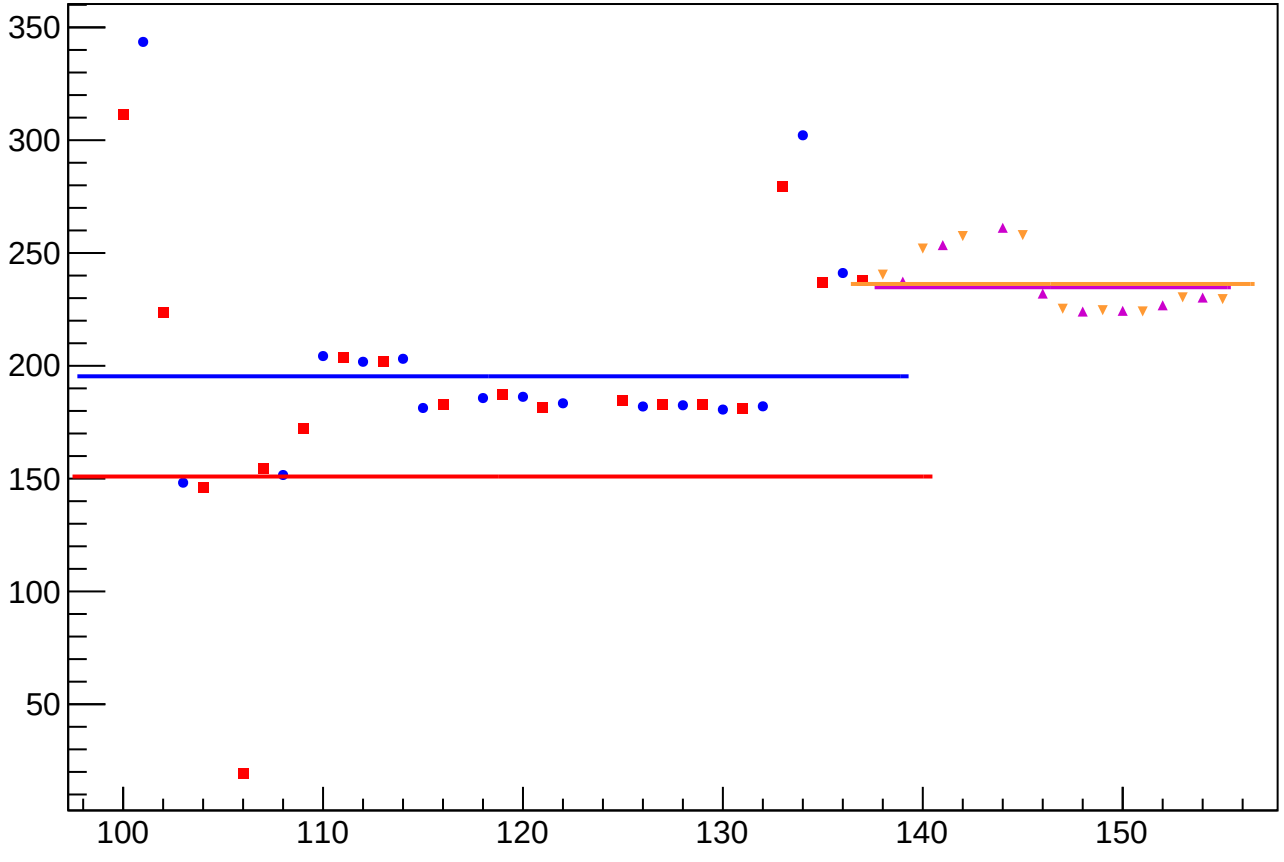
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -105.994+/-1.567 χ^2/NDF:501.7/23

Out: -101.771+/-1.505 χ^2/NDF:735.2/26

All: -103.797+/-1.086 χ^2/NDF: 1240.7/50

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 236.275+/-0.108 χ^2/NDF:14801.3/8

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 234.823+/-0.108 χ^2/NDF:13342.0/7

Left: 235.550+/-0.076 χ^2/NDF: 28233.4/16

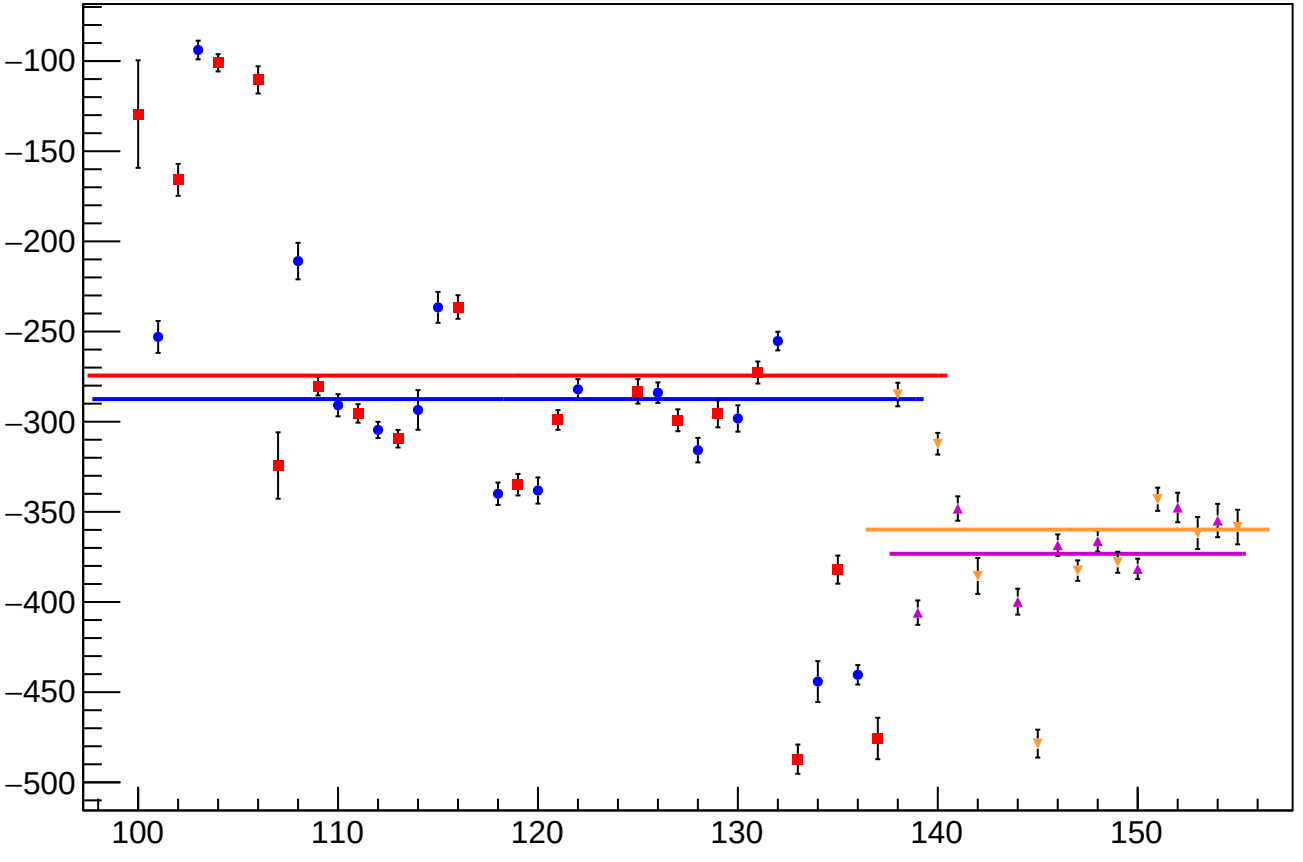
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 217.857+/-0.082 χ^2/NDF:247510.5/23

Out: 194.410+/-0.077 χ^2/NDF:819746.4/26

All: 205.463+/-0.056 χ^2/NDF: 1110785.4/50

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -359.837+/-2.319 χ^2/NDF:469.3/8

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -373.252+/-2.363 χ^2/NDF:68.9/7

Left: -366.420+/-1.655 χ^2/NDF: 554.6/16

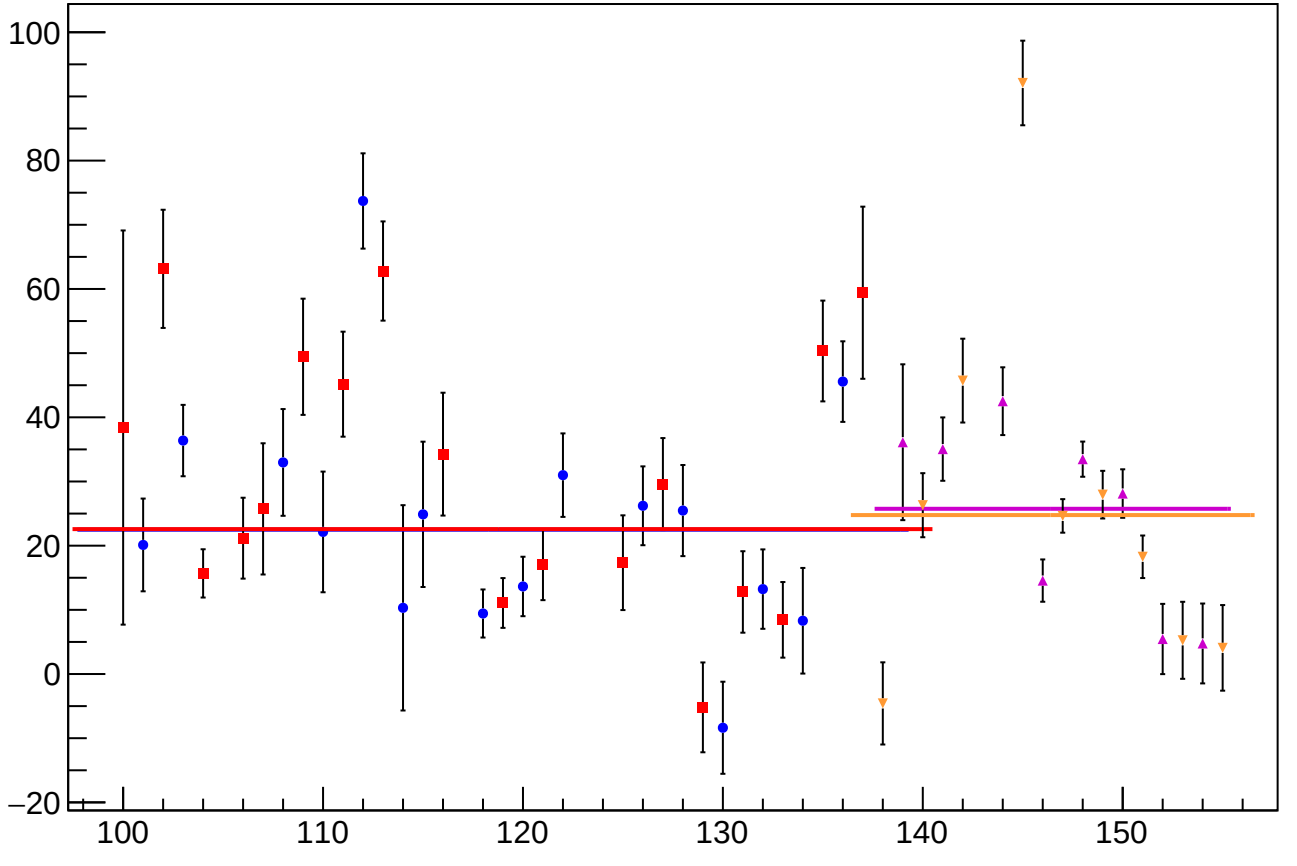
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -314.705+/-1.331 χ^2/NDF:3665.1/23

Out: -300.824+/-1.289 χ^2/NDF:4819.9/26

All: -307.544+/-0.926 χ^2/NDF: 8541.1/50

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: 24.767+/-1.457 χ^2/NDF:160.5/8

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 25.746+/-1.511 χ^2/NDF:59.3/7

Left: 25.239+/-1.049 χ^2/NDF: 220.1/16

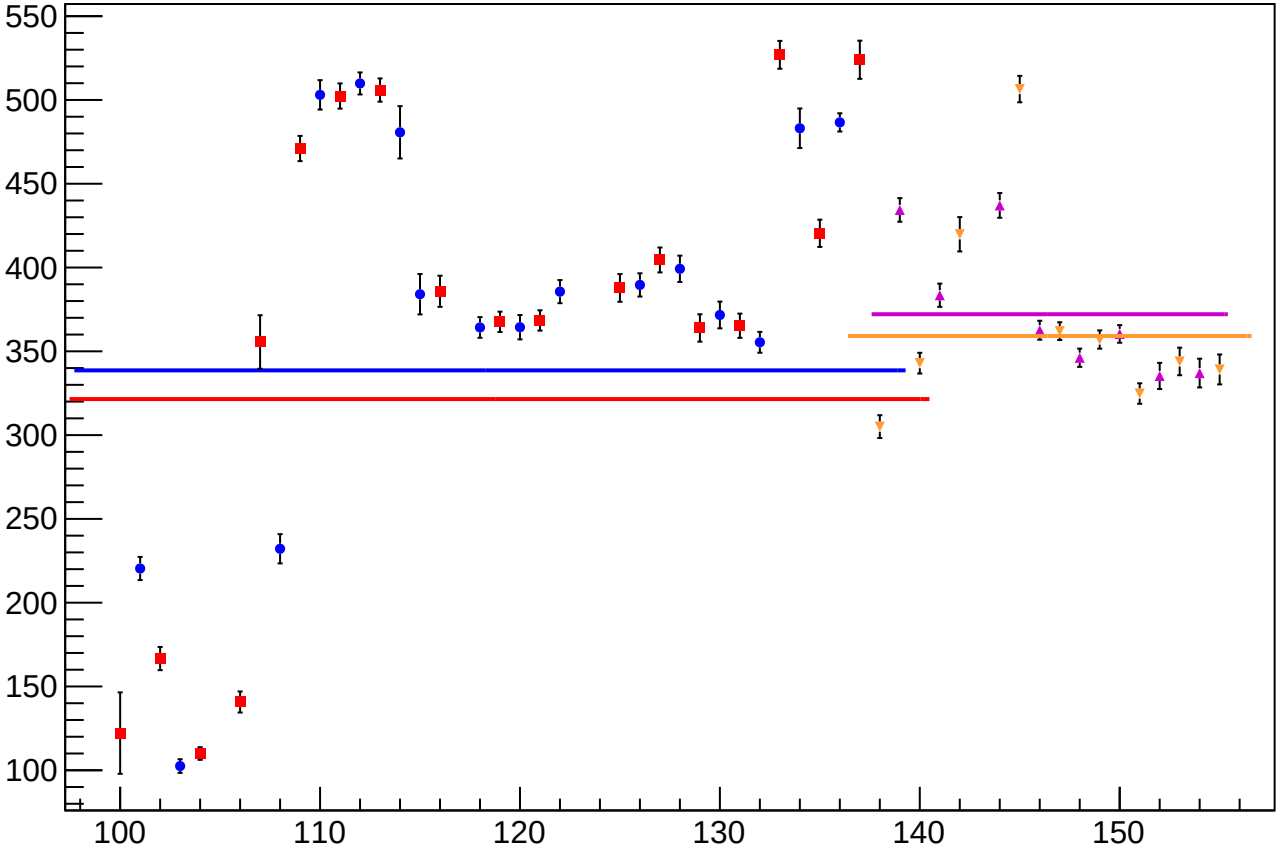
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 24.233+/-1.105 χ^2/NDF:172.9/23

Out: 23.755+/-1.068 χ^2/NDF:284.9/26

All: 23.986+/-0.768 χ^2/NDF: 457.9/50

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 359.136+/-2.255 χ^2/NDF:495.4/8

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 372.135+/-2.294 χ^2/NDF:227.4/7

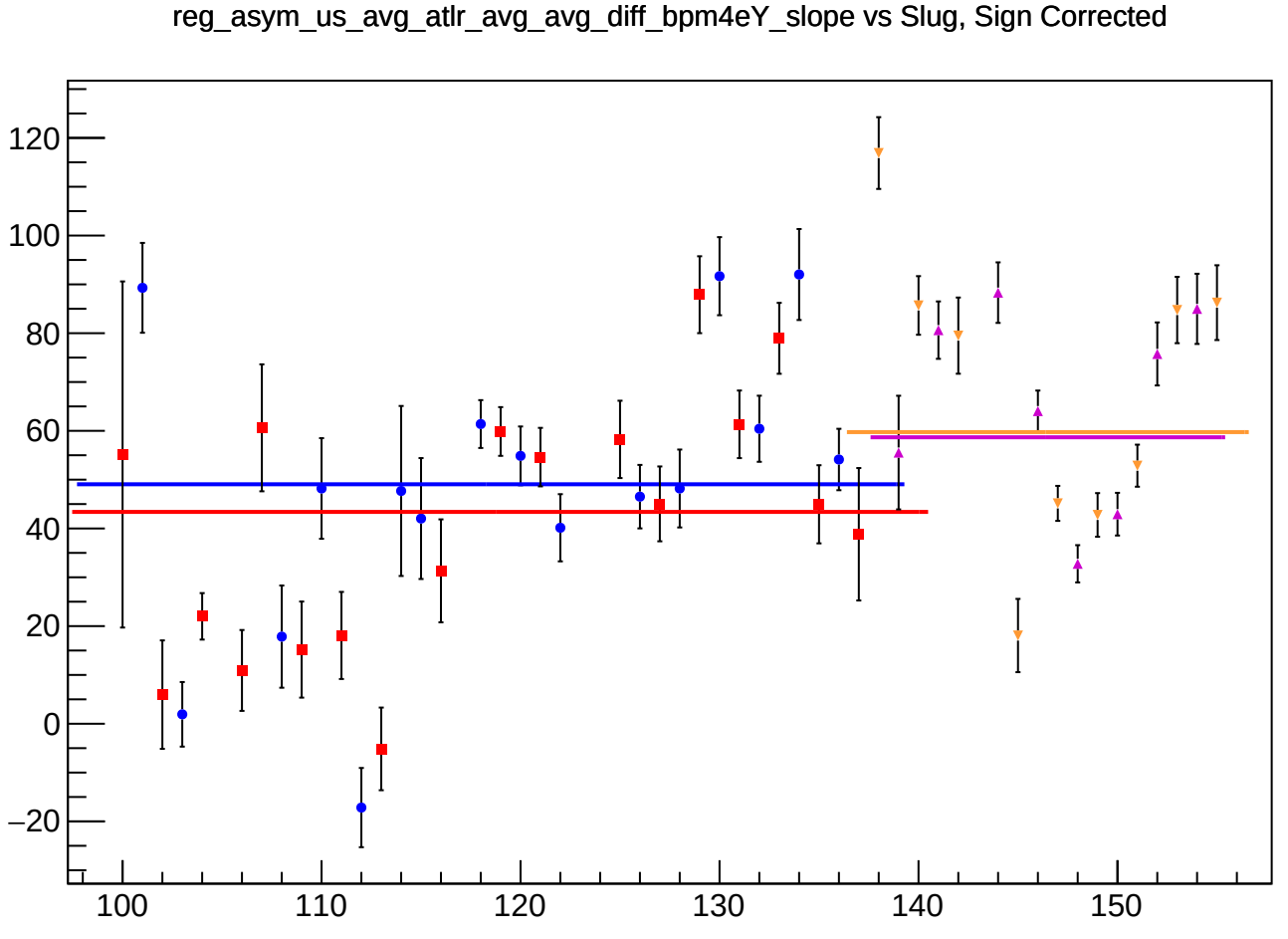
Left: 365.524+/-1.608 χ^2/NDF: 739.2/16

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 350.943+/-1.390 χ^2/NDF:6405.0/23

Out: 335.078+/-1.355 χ^2/NDF:8394.3/26

All: 342.803+/-0.970 χ^2/NDF: 14866.1/50



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 59.743+/-1.823 χ^2/NDF:175.5/8

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 58.678+/-1.879 χ^2/NDF:118.0/7

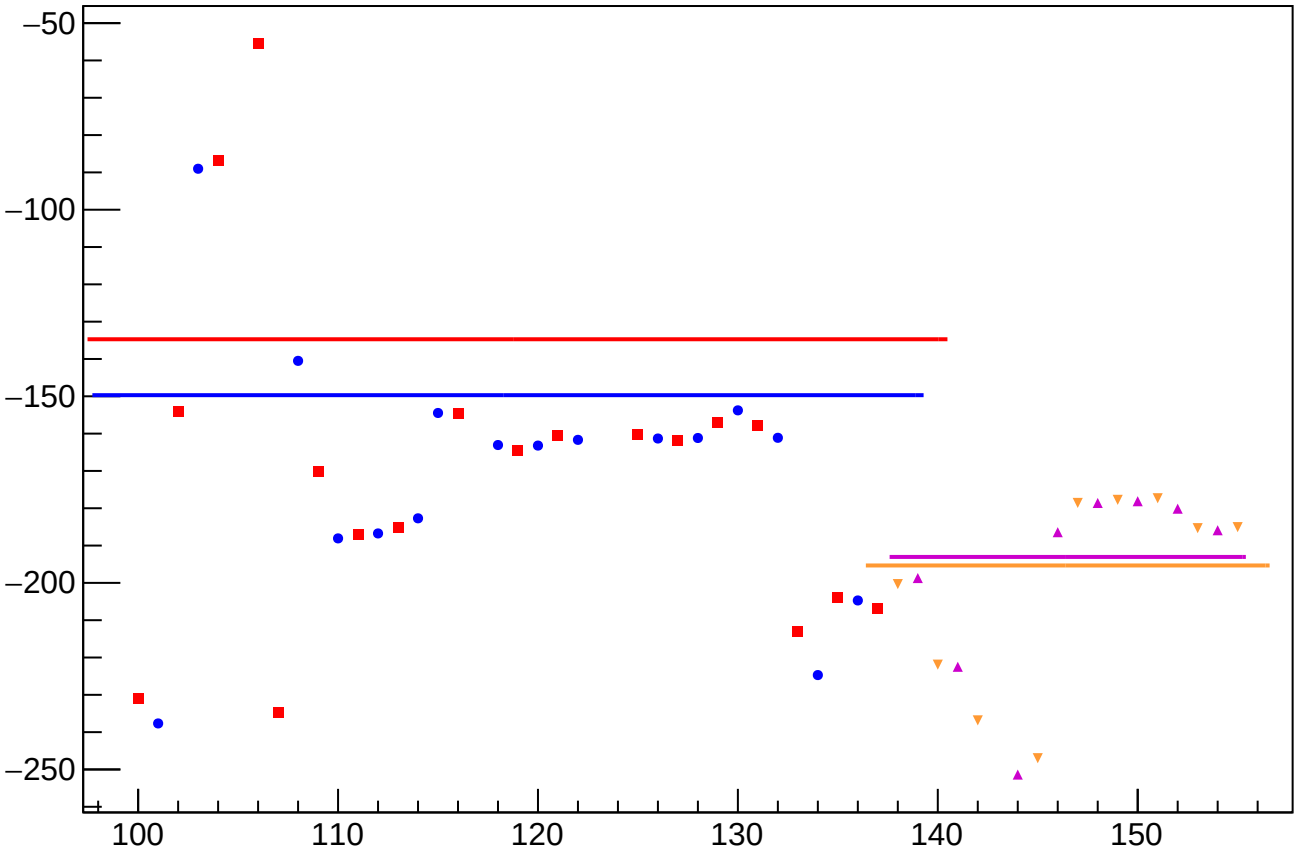
Left: 59.226+/-1.308 χ^2/NDF: 293.7/16

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 53.875+/-1.330 χ^2/NDF:339.0/23

Out: 51.616+/-1.293 χ^2/NDF:395.5/26

All: 52.714+/-0.927 χ^2/NDF: 736.0/50



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -195.334+/-0.091 χ^2/NDF:65615.8/8

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -193.046+/-0.091 χ^2/NDF:54826.1/7

Left: -194.185+/-0.064 χ^2/NDF: 120757.5/16

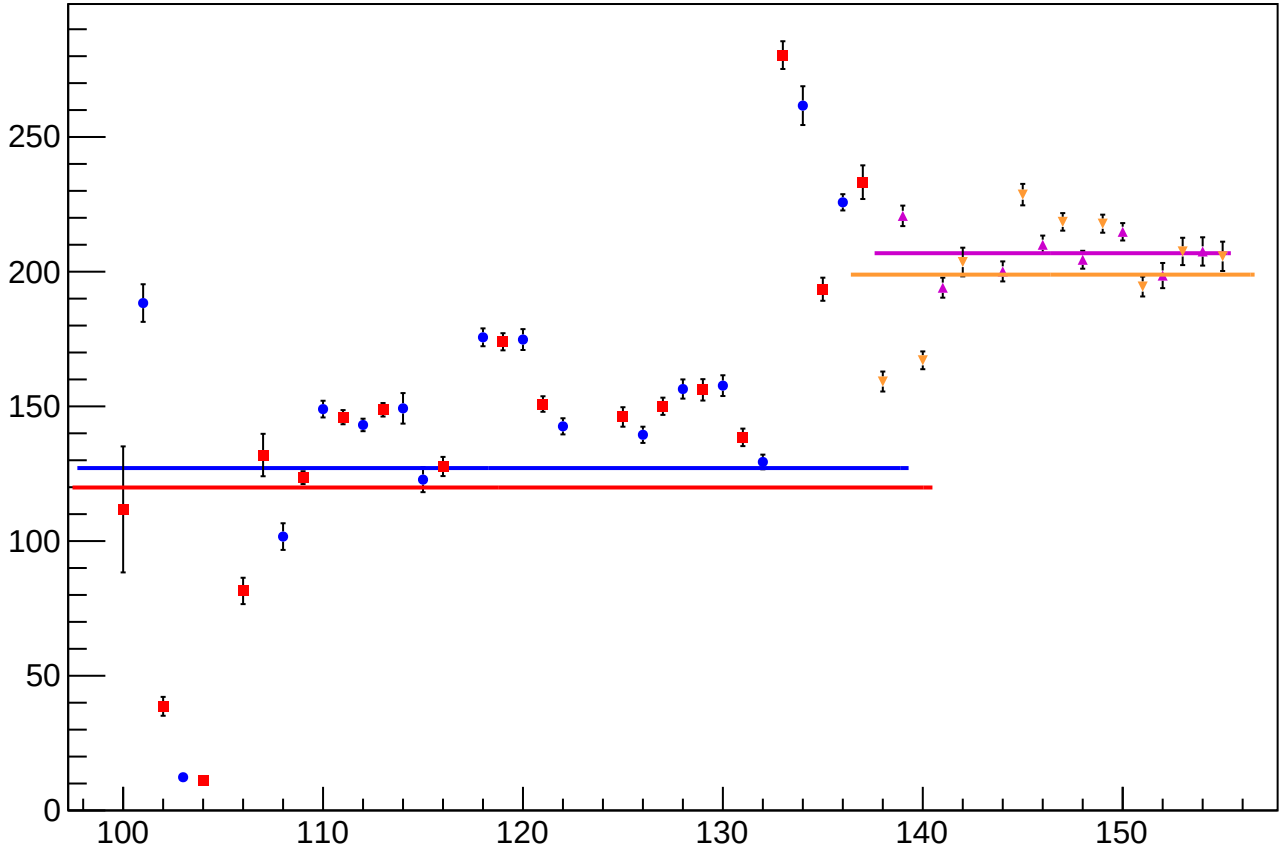
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -173.615+/-0.068 χ^2/NDF:413293.2/23

Out: -166.861+/-0.066 χ^2/NDF:585378.0/26

All: -170.186+/-0.047 χ^2/NDF: 1003754.5/50

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 198.908+/-1.300 χ^2/NDF:337.5/8

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 206.860+/-1.326 χ^2/NDF:39.1/7

Left: 202.805+/-0.928 χ^2/NDF: 394.9/16

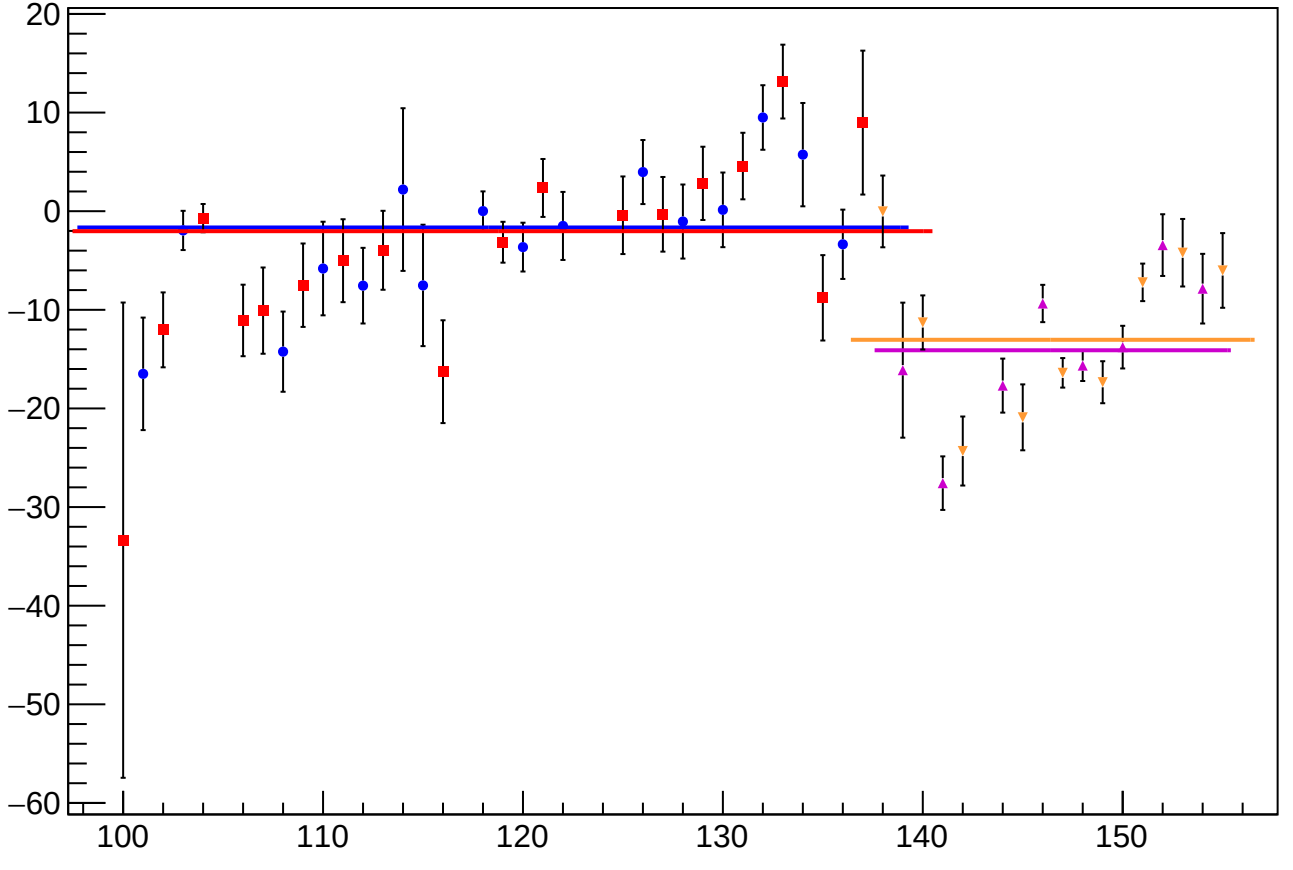
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 148.815+/-0.692 χ^2/NDF:8836.8/23

Out: 140.586+/-0.665 χ^2/NDF:9716.1/26

All: 144.540+/-0.479 χ^2/NDF: 18626.5/50

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -13.039+/-0.823 χ^2/NDF:57.7/8

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -14.101+/-0.853 χ^2/NDF:48.5/7

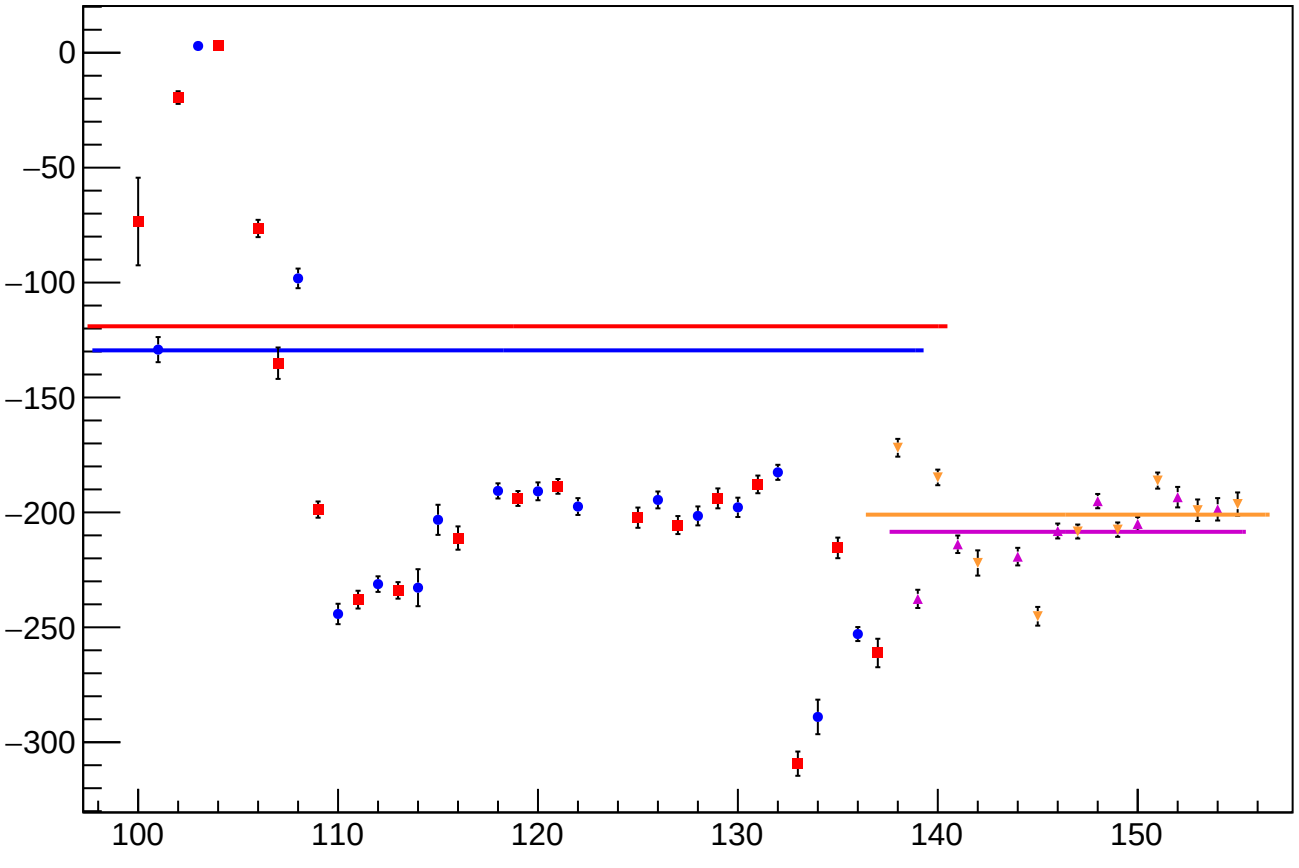
Left: -13.551+/-0.592 χ^2/NDF: 107.0/16

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -7.726+/-0.596 χ^2/NDF:196.6/23

Out: -7.171+/-0.562 χ^2/NDF:211.8/26

All: -7.433+/-0.409 χ^2/NDF: 408.8/50



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -200.978+/-1.267 χ^2/NDF:240.9/8

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -208.448+/-1.290 χ^2/NDF:99.4/7

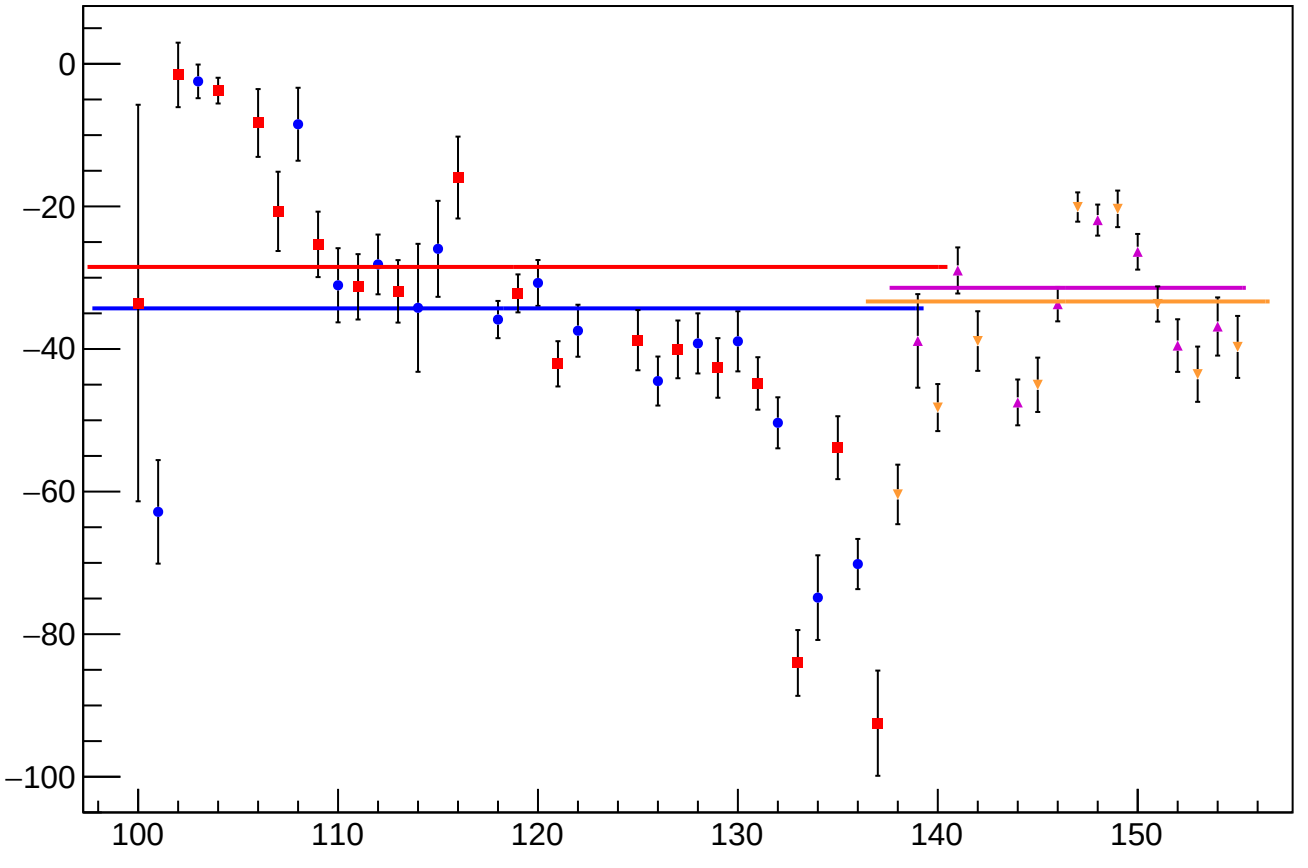
Left: -204.646+/-0.904 χ^2/NDF: 357.4/16

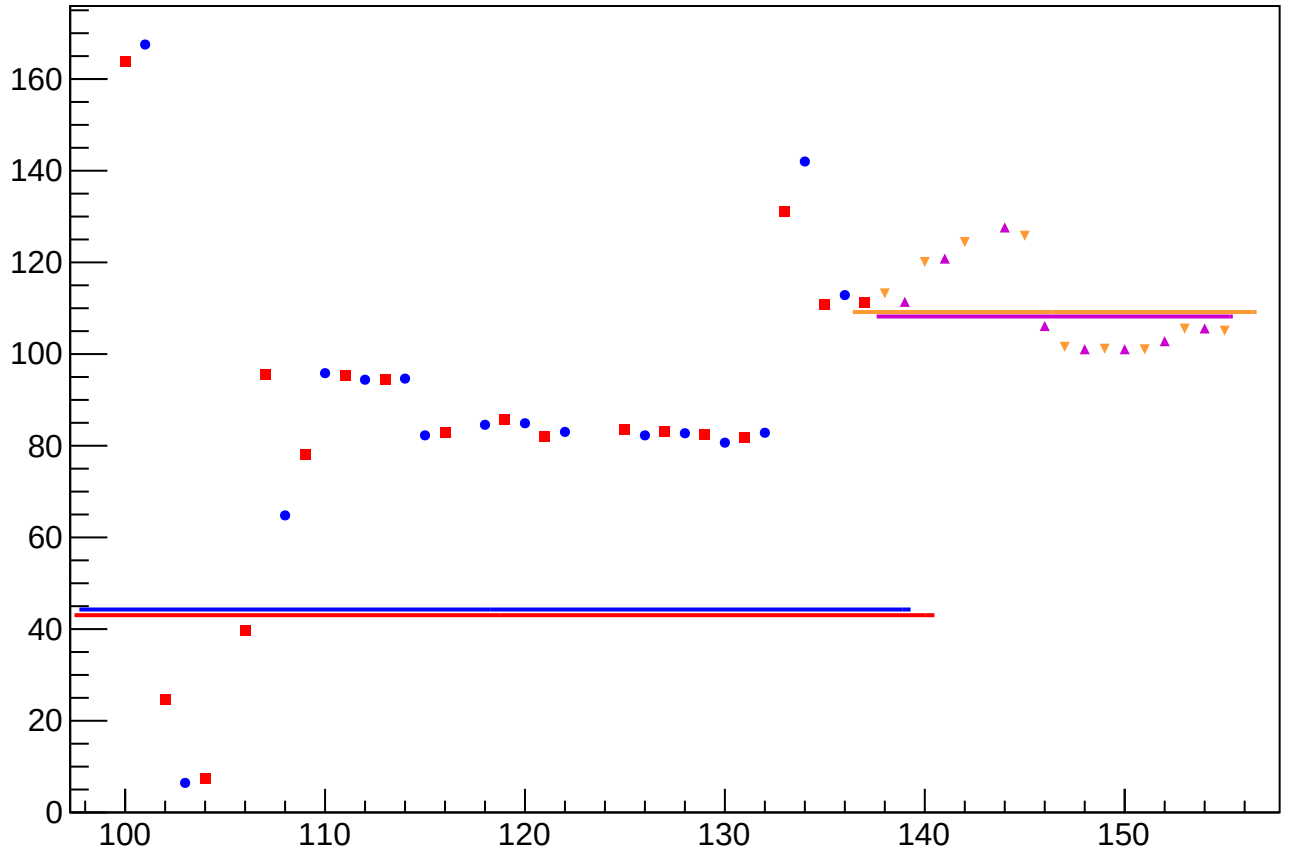
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -153.266+/-0.708 χ^2/NDF:17406.7/23

Out: -142.923+/-0.684 χ^2/NDF:19383.3/26

All: -147.920+/-0.492 χ^2/NDF: 36900.5/50


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: -34.301+/-0.968 χ²/NDF: 411.3/15
Left Out: -33.332+/-1.027 χ²/NDF:149.9/8
Right Out: -28.488+/-0.907 χ²/NDF: 568.0/17
Left In: -31.419+/-1.059 χ²/NDF:57.5/7
Left: -32.405+/-0.737 χ²/NDF: 209.1/16
Right: -31.206+/-0.662 χ²/NDF: 998.5/33
In: -32.989+/-0.714 χ²/NDF:472.8/23
Out: -30.610+/-0.680 χ²/NDF:730.4/26
All: -31.741+/-0.492 χ²/NDF: 1209.1/50



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 109.170+/-0.051 χ^2/NDF:32438.6/8

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 108.196+/-0.051 χ^2/NDF:28127.4/7

Left: 108.682+/-0.036 χ^2/NDF: 60746.5/16

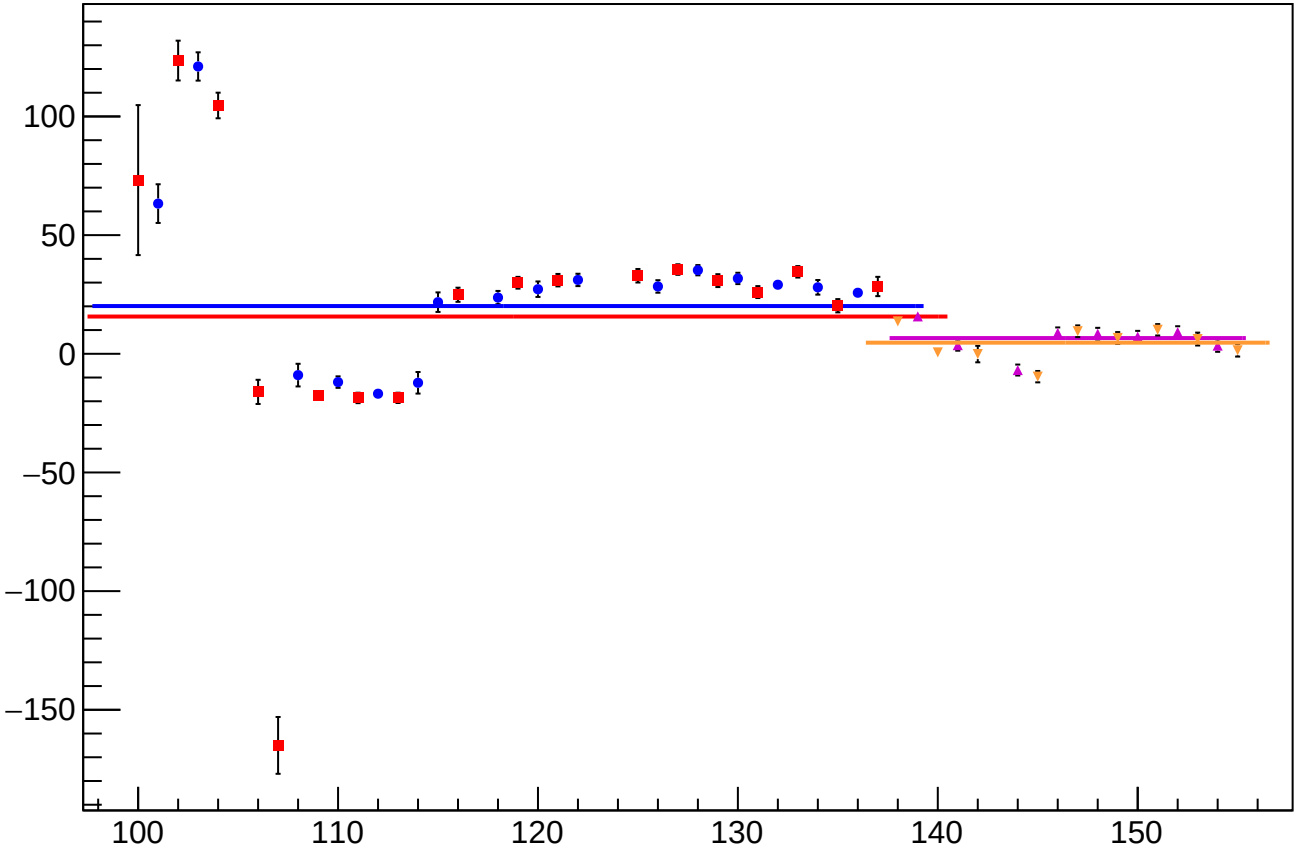
Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 72.096+/-0.034 χ^2/NDF:1993736.5/23

Out: 71.823+/-0.034 χ^2/NDF:1776257.8/26

All: 71.960+/-0.024 χ^2/NDF: 3770026.9/50

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 4.689+/-0.818 χ^2/NDF:71.2/8

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.625+/-0.828 χ^2/NDF:60.5/7

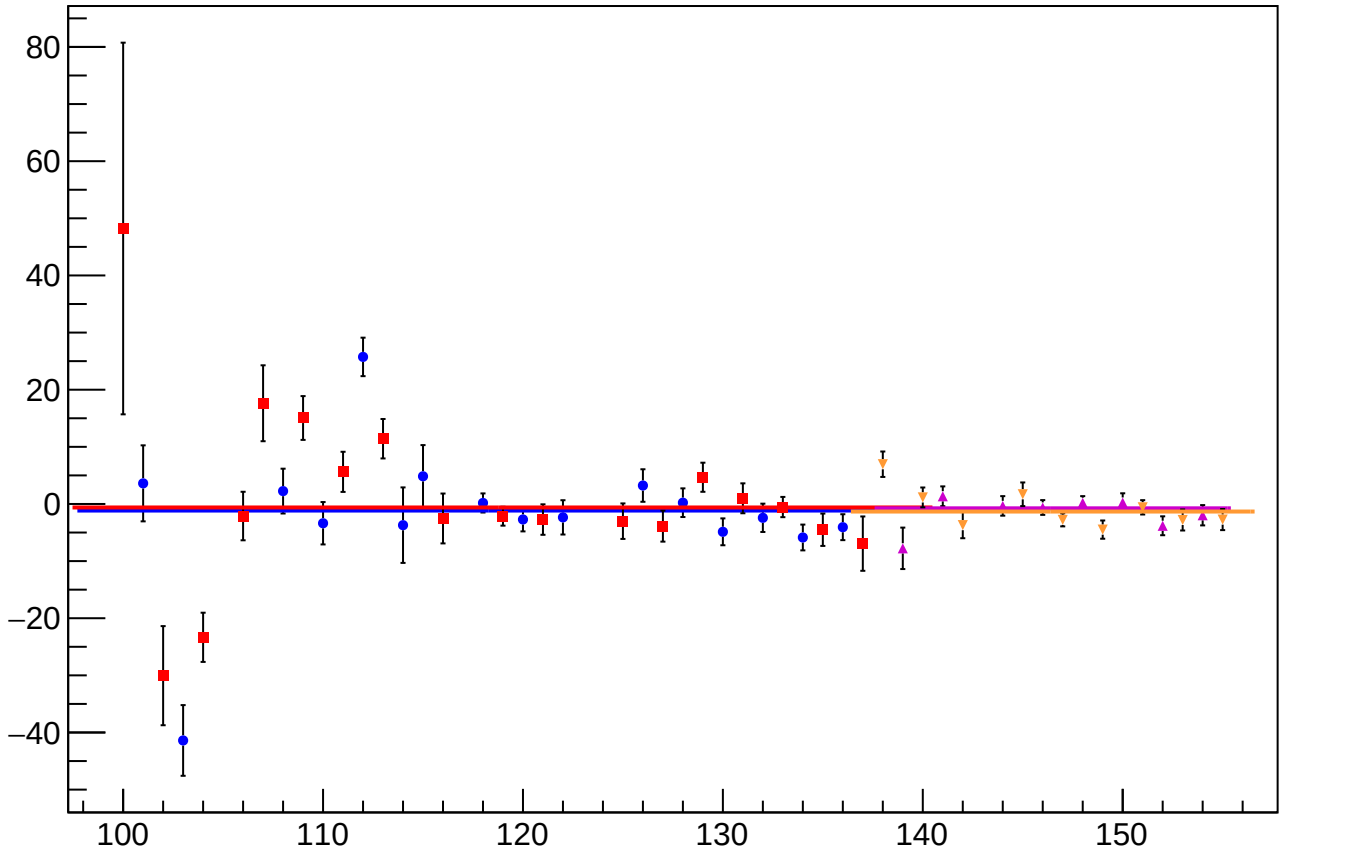
Left: 5.645+/-0.582 χ^2/NDF: 134.5/16

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 14.619+/-0.529 χ^2/NDF:1265.8/23

Out: 11.184+/-0.524 χ^2/NDF:1951.9/26

All: 12.885+/-0.372 χ^2/NDF: 3239.0/50



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -1.325+/-0.547 χ^2/NDF:26.2/8

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.763+/-0.563 χ^2/NDF:10.2/7

Left: -1.052+/-0.392 χ^2/NDF: 37.0/16

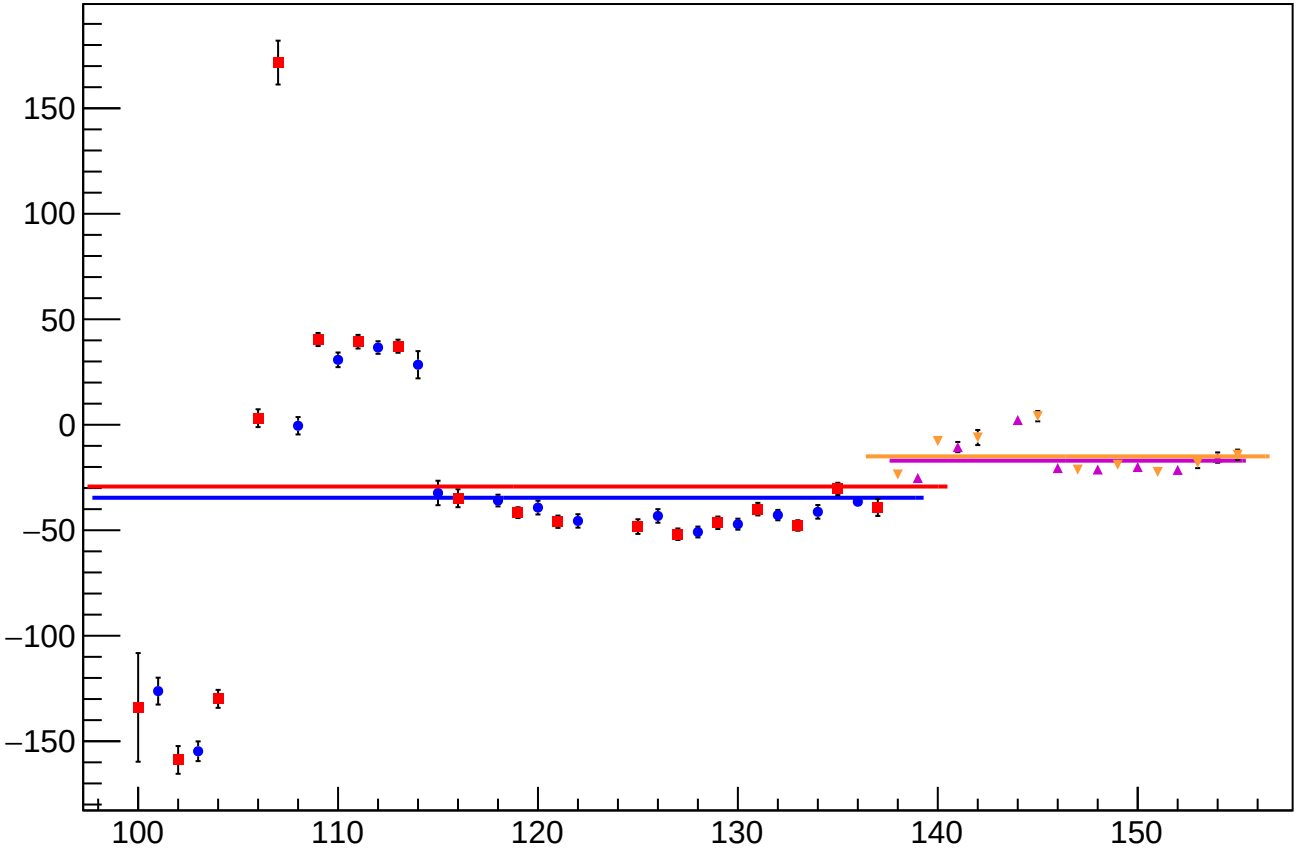
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.915+/-0.439 χ^2/NDF:132.3/23

Out: -1.062+/-0.434 χ^2/NDF:120.2/26

All: -0.989+/-0.309 χ^2/NDF: 252.5/50

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: -14.983+/-0.800 χ^2/NDF:116.6/8

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.017+/-0.810 χ^2/NDF:99.8/7

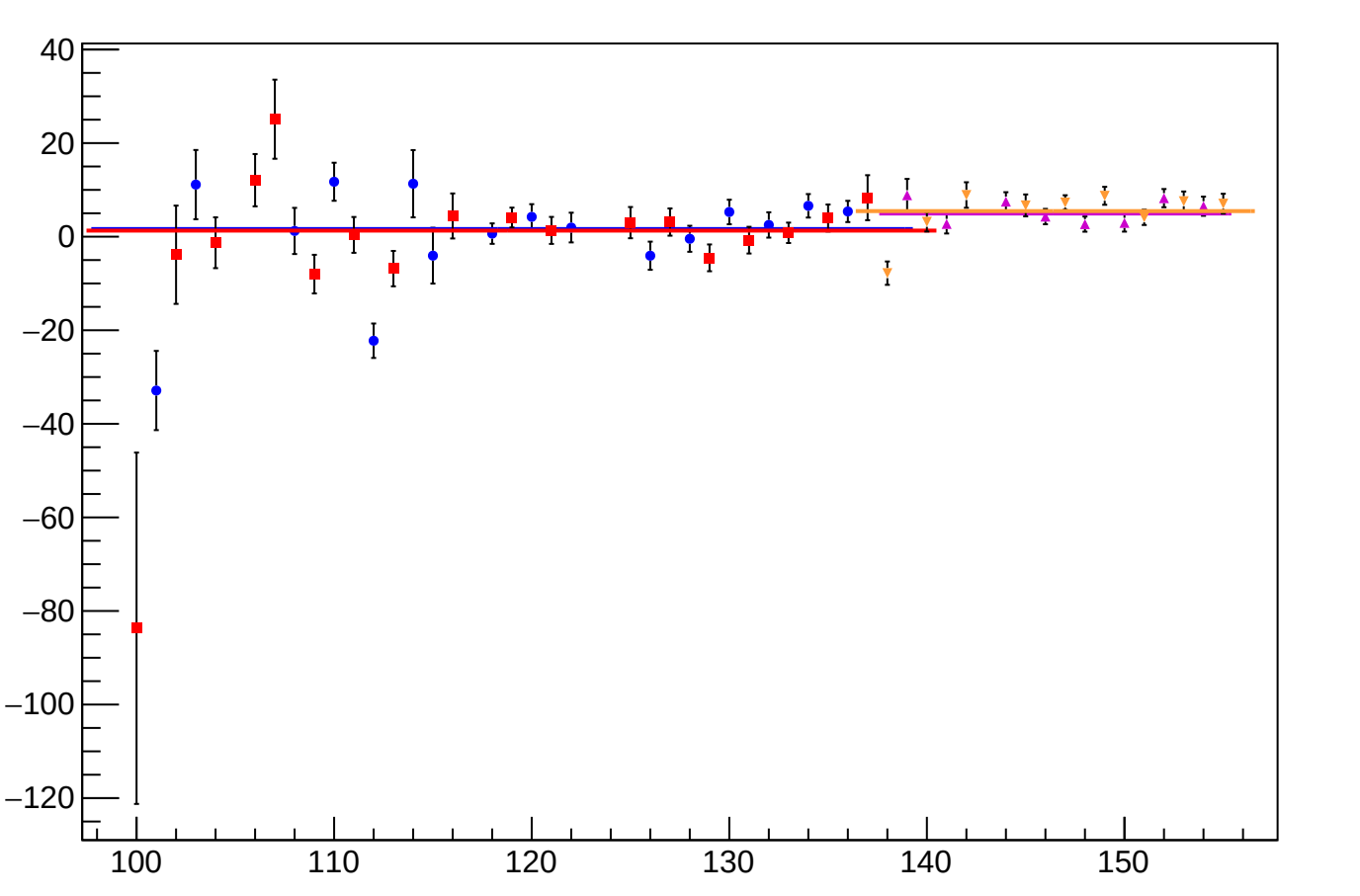
Left: -15.987+/-0.569 χ^2/NDF: 219.6/16

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

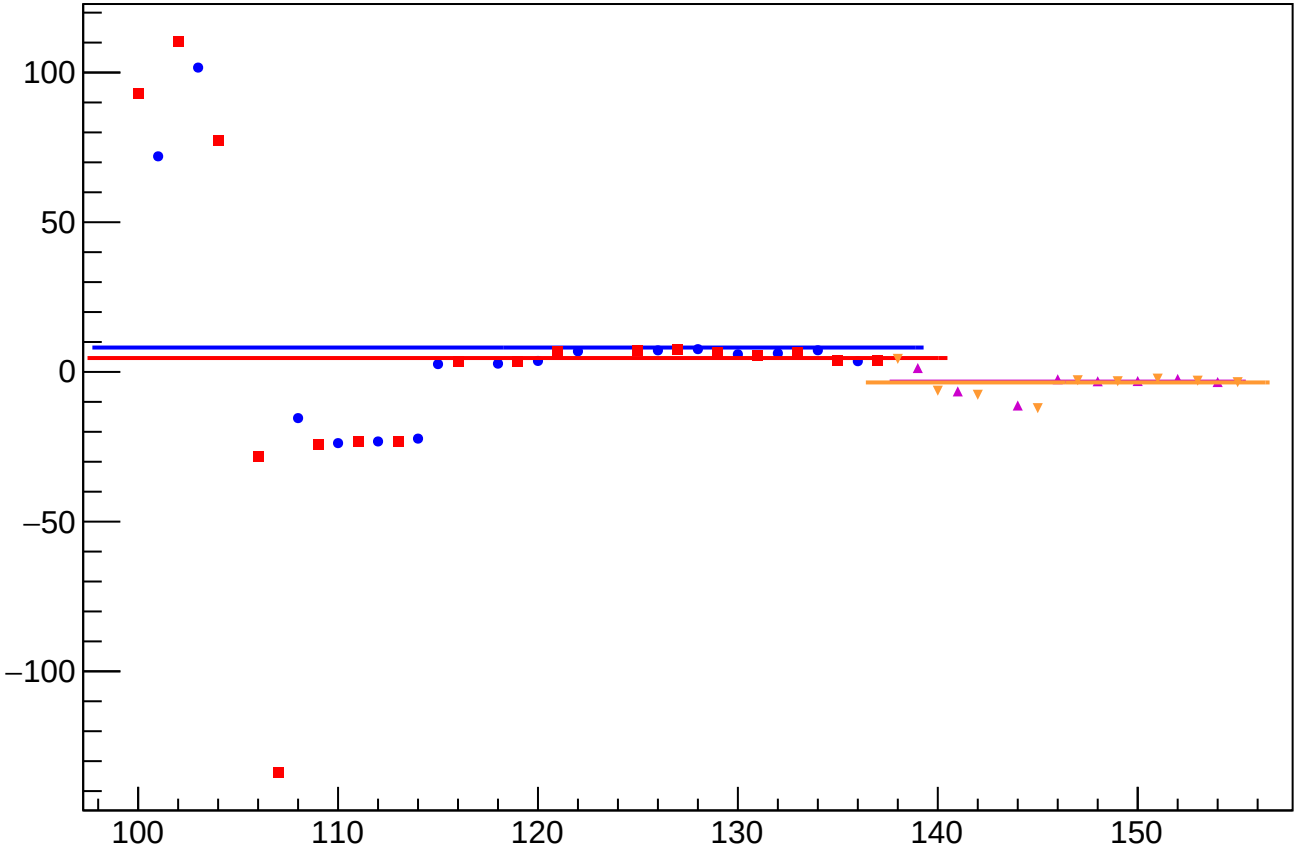
In: -26.073+/-0.564 χ^2/NDF:2400.7/23

Out: -22.135+/-0.566 χ^2/NDF:3357.3/26

All: -24.109+/-0.400 χ^2/NDF: 5782.3/50


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: 1.630+/-0.797 χ²/NDF: 83.3/15
Left Out: 5.465+/-0.671 χ²/NDF:37.8/8
Right Out: 1.298+/-0.817 χ²/NDF: 37.5/17
Left In: 4.952+/-0.688 χ²/NDF:10.7/7
Left: 5.215+/-0.480 χ²/NDF: 48.9/16
Right: 1.468+/-0.570 χ²/NDF: 120.9/33
In: 3.532+/-0.521 χ²/NDF:104.0/23
Out: 3.786+/-0.518 χ²/NDF:90.9/26
All: 3.660+/-0.367 χ²/NDF: 195.0/50

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.513+/-0.031 χ^2/NDF:18359.0/8

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.233+/-0.031 χ^2/NDF:10646.7/7

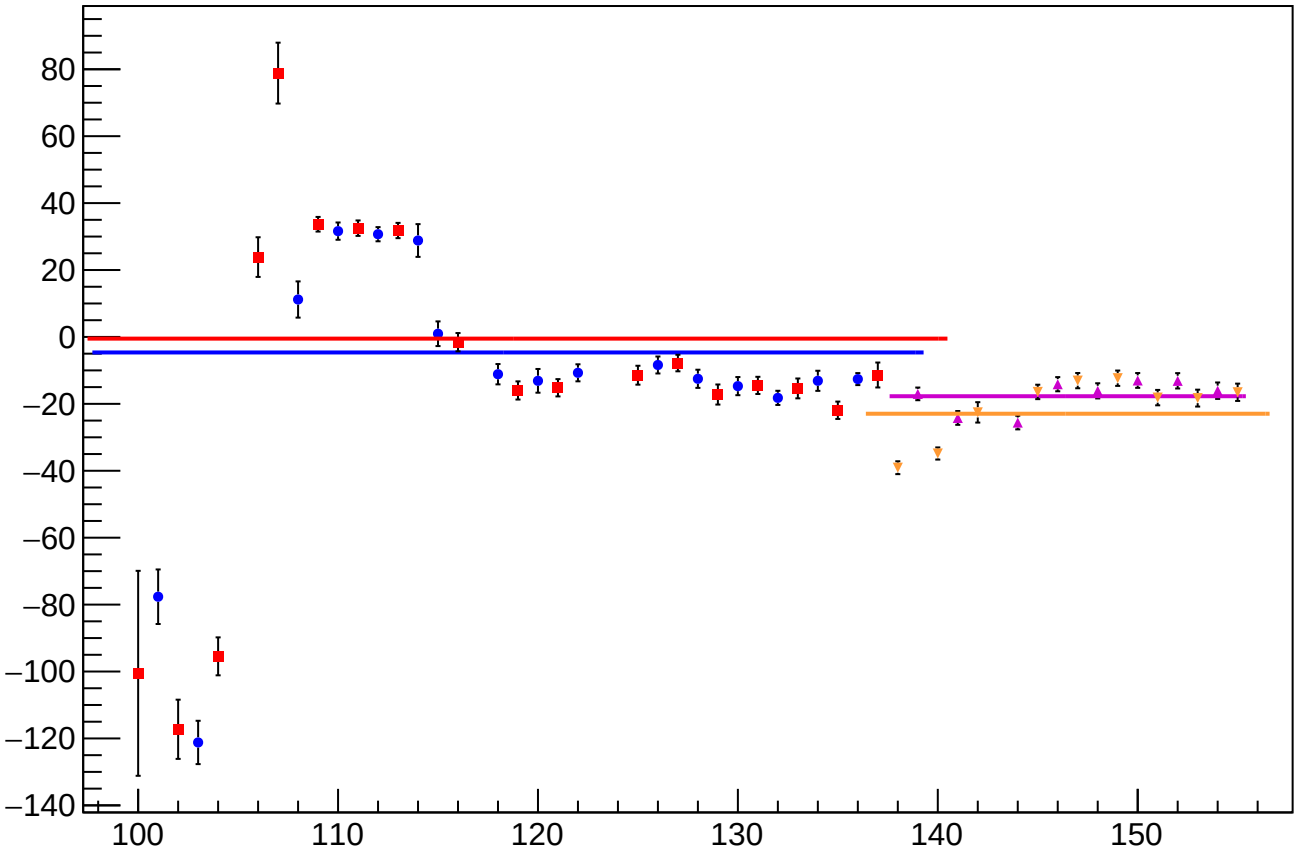
Left: -3.373+/-0.022 χ^2/NDF: 29045.2/16

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 0.153+/-0.026 χ^2/NDF:362869.6/23

Out: -1.312+/-0.027 χ^2/NDF:483319.2/26

All: -0.567+/-0.019 χ^2/NDF: 847702.6/50



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -22.952+/-0.751 χ^2/NDF:176.5/8

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -17.720+/-0.760 χ^2/NDF:37.3/7

Left: -20.368+/-0.534 χ^2/NDF: 237.8/16

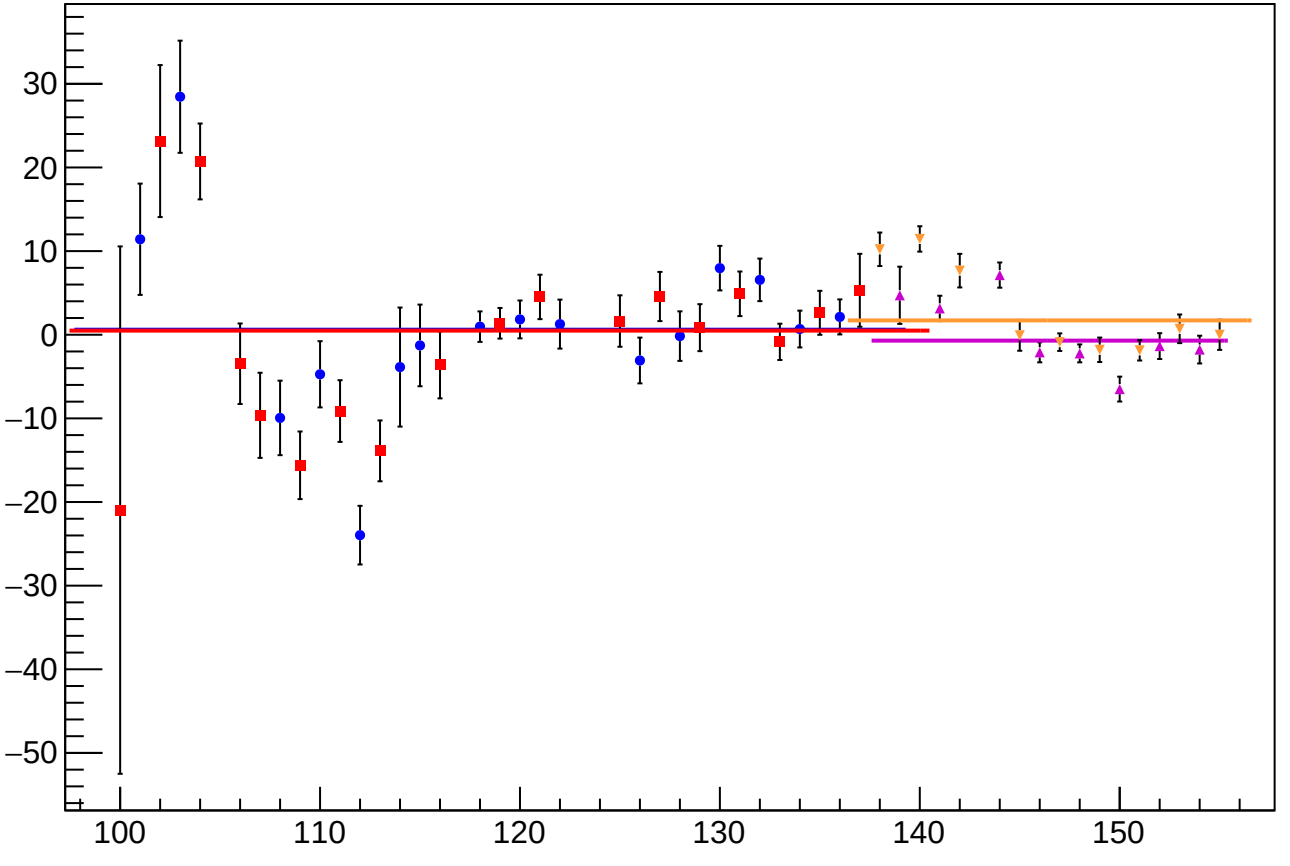
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -10.749+/-0.519 χ^2/NDF:1241.4/23

Out: -11.113+/-0.516 χ^2/NDF:2105.5/26

All: -10.932+/-0.366 χ^2/NDF: 3347.2/50

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: 1.715+/-0.505 χ^2/NDF:90.7/8

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.703+/-0.515 χ^2/NDF:55.1/7

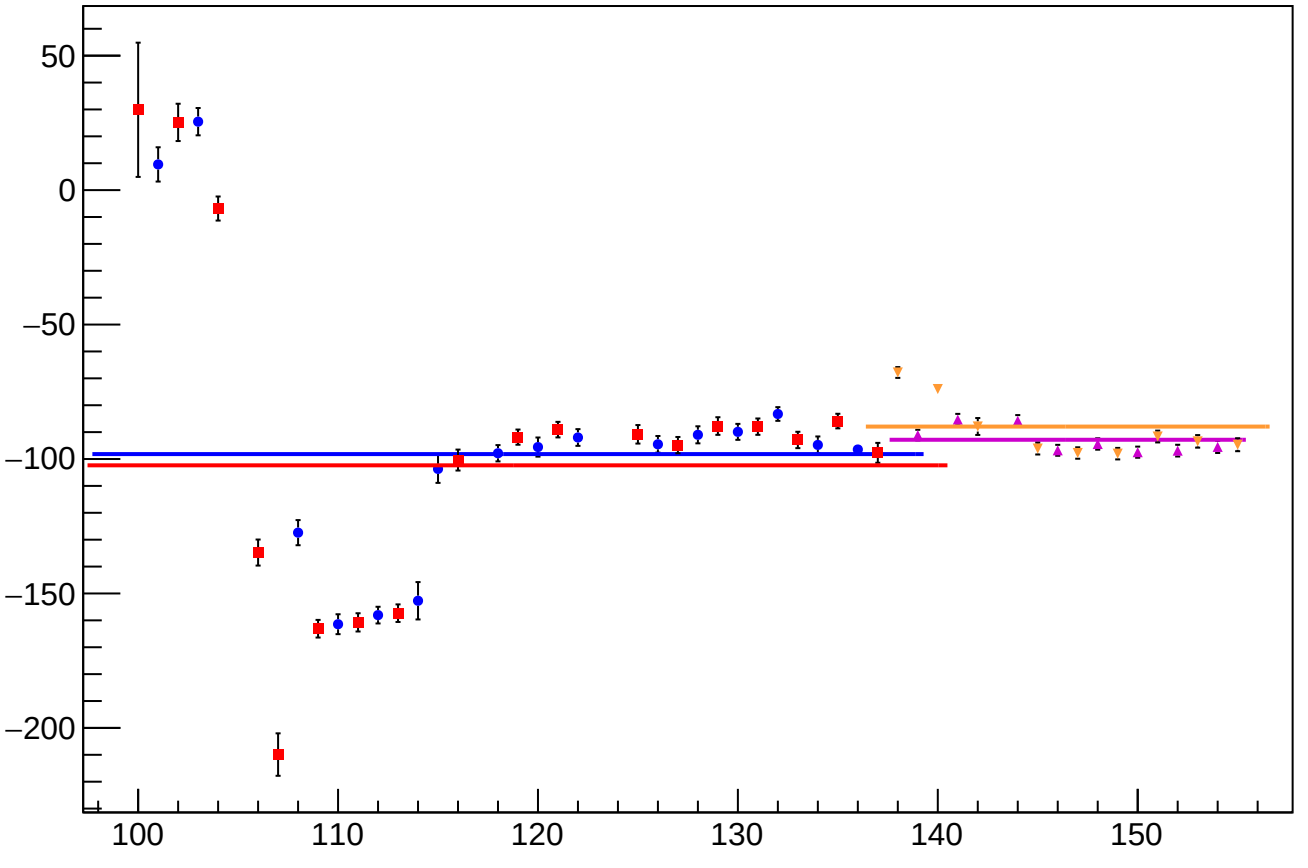
Left: 0.531+/-0.361 χ^2/NDF: 157.1/16

Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: -0.266+/-0.420 χ^2/NDF:150.1/23

Out: 1.339+/-0.420 χ^2/NDF:172.7/26

All: 0.538+/-0.297 χ^2/NDF: 330.1/50



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -87.937+/-0.737 χ^2/NDF:229.7/8

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -92.842+/-0.744 χ^2/NDF:38.7/7

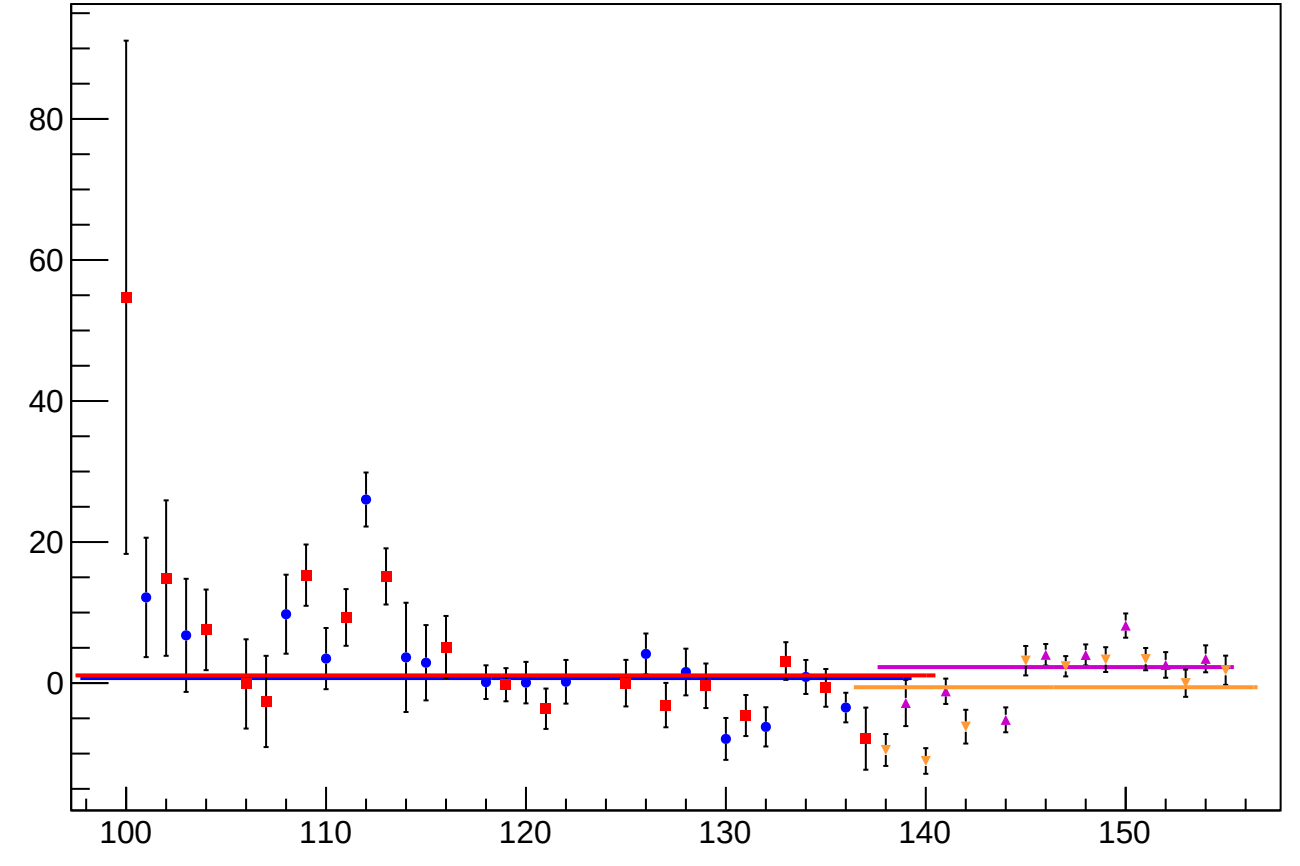
Left: -90.365+/-0.523 χ^2/NDF: 290.3/16

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -95.271+/-0.549 χ^2/NDF:1762.0/23

Out: -94.227+/-0.553 χ^2/NDF:2514.3/26

All: -94.753+/-0.390 χ^2/NDF: 4278.1/50



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -0.589+/-0.619 χ^2/NDF:74.4/8

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 2.268+/-0.630 χ^2/NDF:38.8/7

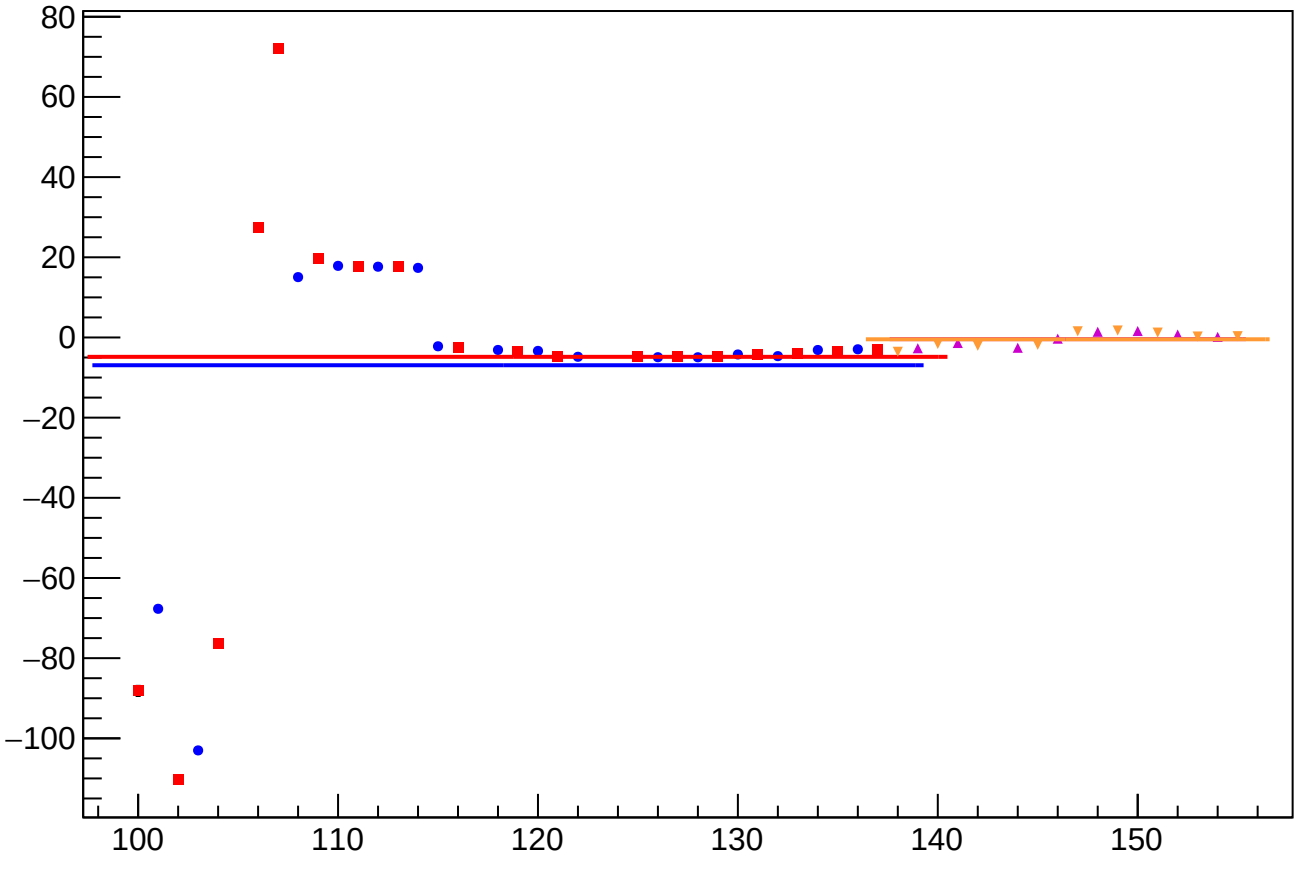
Left: 0.814+/-0.442 χ^2/NDF: 123.6/16

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 1.691+/-0.500 χ^2/NDF:110.6/23

Out: -0.013+/-0.502 χ^2/NDF:124.6/26

All: 0.842+/-0.354 χ^2/NDF: 241.0/50



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.454+/-0.029 χ^2/NDF:3736.0/8

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.411+/-0.029 χ^2/NDF:3002.8/7

Left: -0.433+/-0.021 χ^2/NDF: 6739.9/16

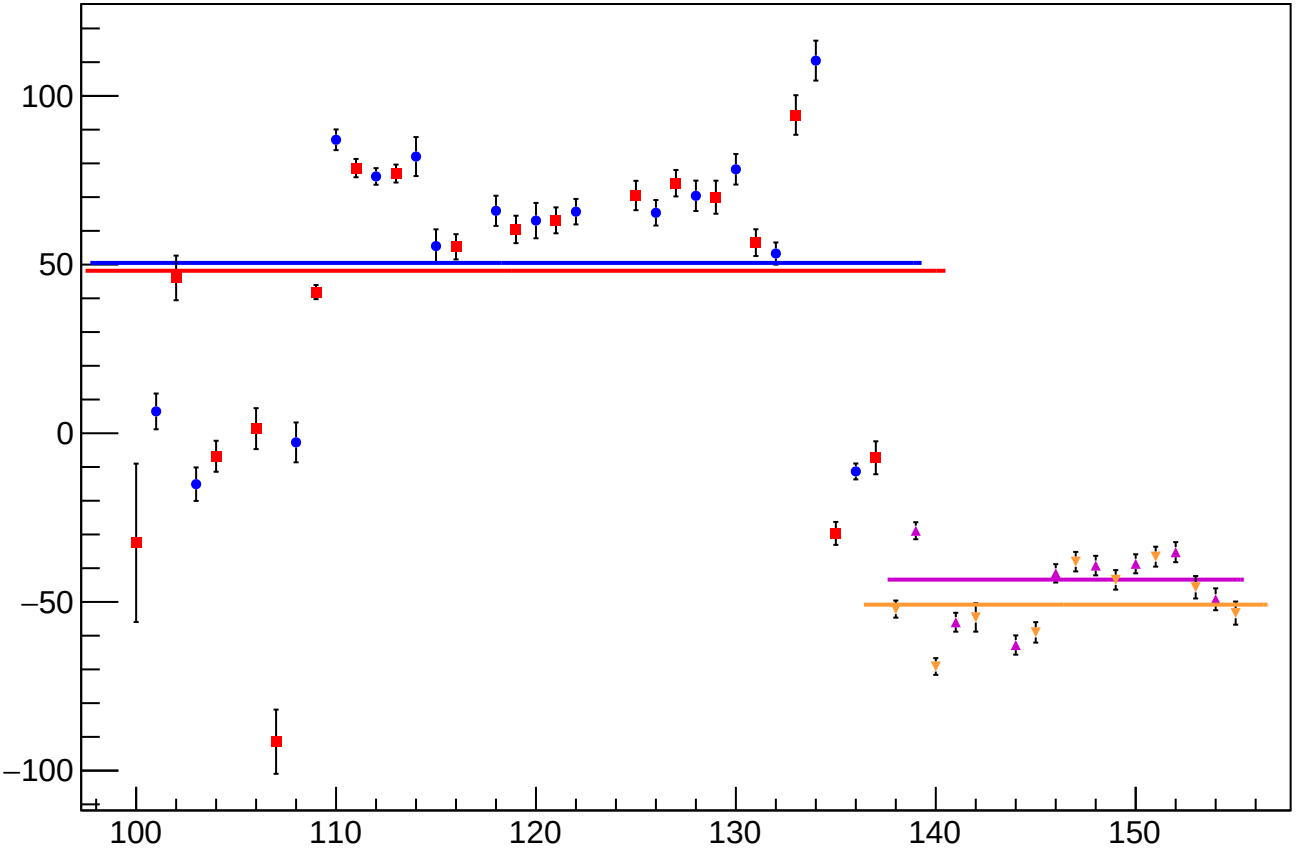
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -2.126+/-0.025 χ^2/NDF:281472.1/23

Out: -1.474+/-0.025 χ^2/NDF:348373.2/26

All: -1.808+/-0.018 χ^2/NDF: 630180.2/50

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.805+/-0.994 χ^2/NDF:115.1/8

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -43.386+/-1.002 χ^2/NDF:115.3/7

Left: -47.128+/-0.706 χ^2/NDF: 258.0/16

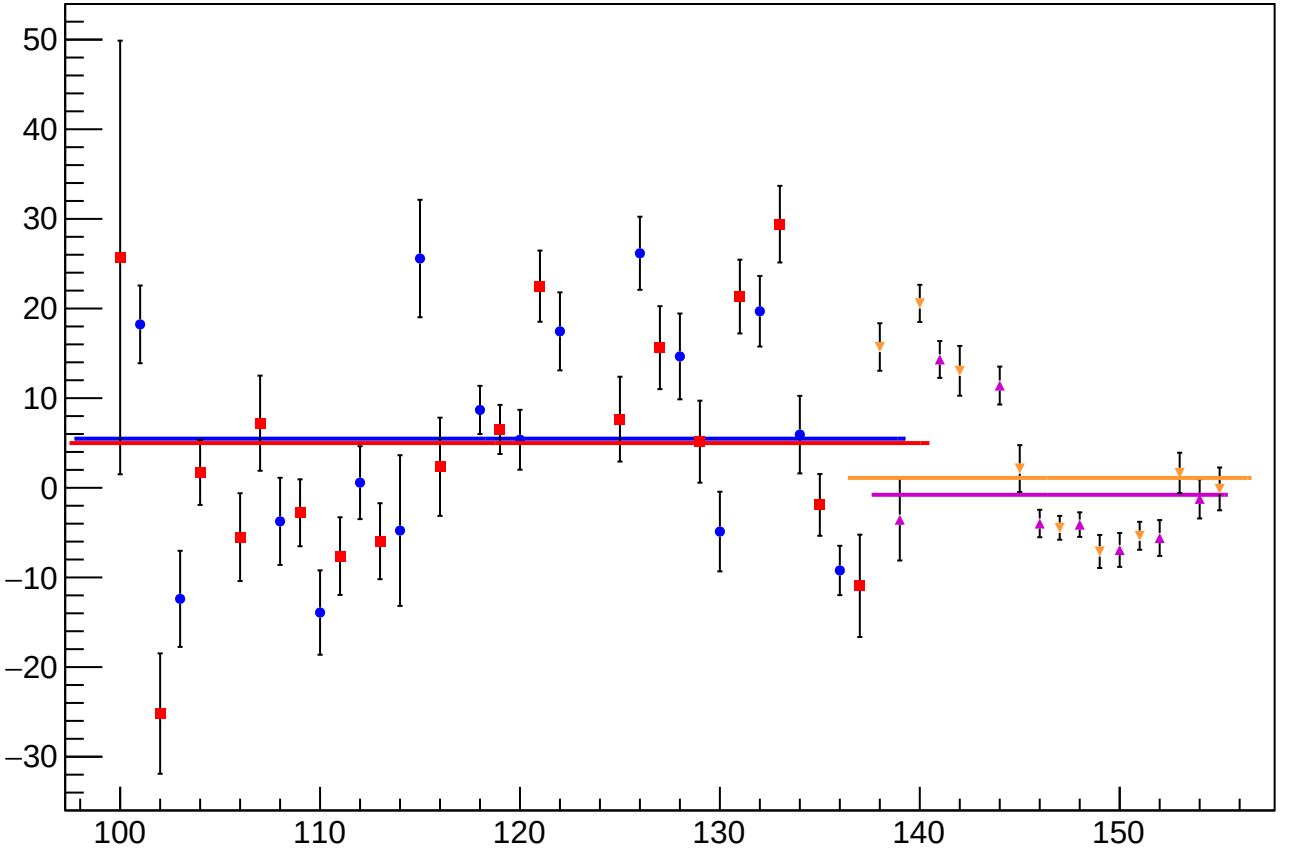
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 5.325+/-0.695 χ^2/NDF:6170.7/23

Out: 2.792+/-0.673 χ^2/NDF:7007.8/26

All: 4.017+/-0.484 χ^2/NDF: 13185.4/50

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: 1.102+/-0.660 χ^2/NDF:192.2/8

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -0.779+/-0.673 χ^2/NDF:114.3/7

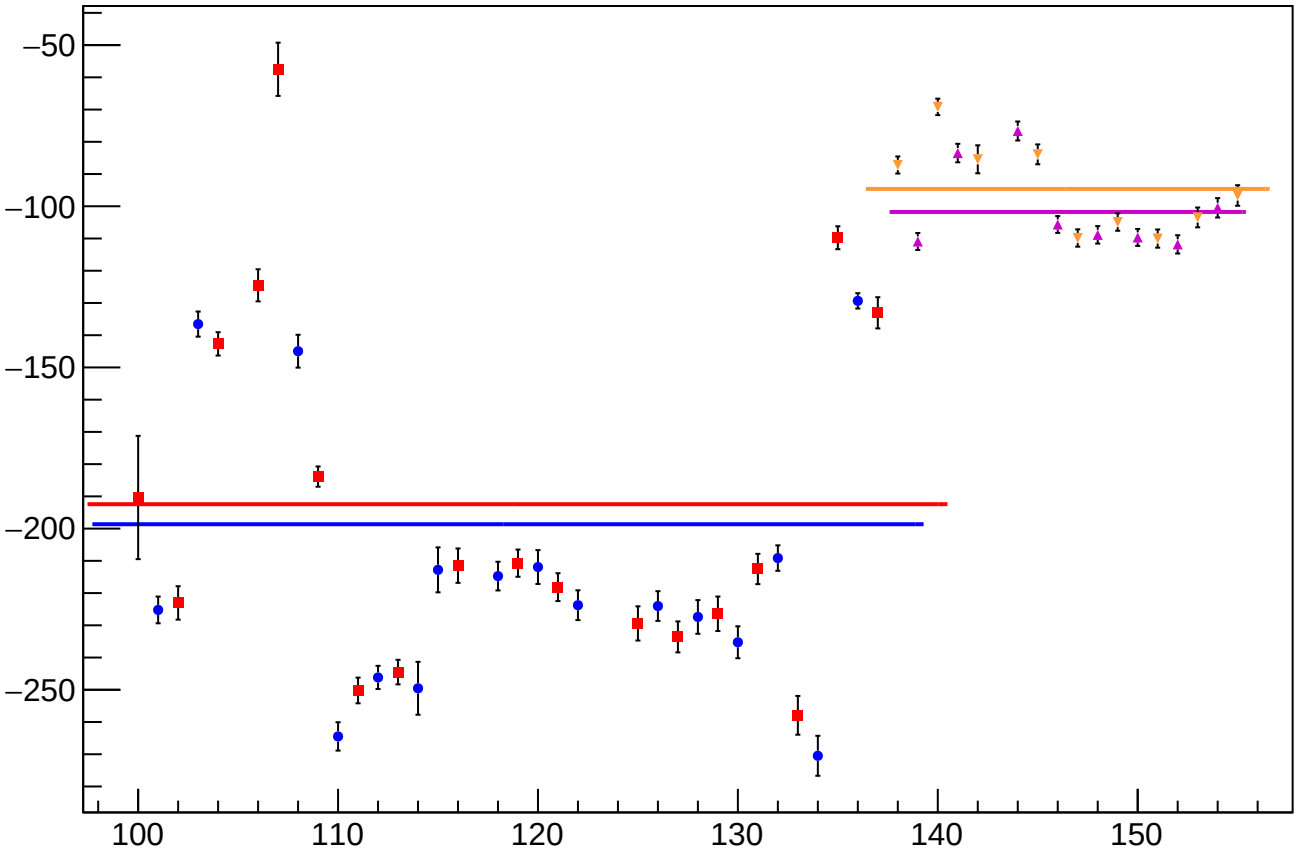
Left: 0.180+/-0.471 χ^2/NDF: 310.4/16

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 1.117+/-0.562 χ^2/NDF:278.6/23

Out: 2.246+/-0.555 χ^2/NDF:334.2/26

All: 1.689+/-0.395 χ^2/NDF: 614.9/50



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -94.618+/-0.972 χ^2/NDF:208.9/8

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.763+/-0.979 χ^2/NDF:156.2/7

Left: -98.164+/-0.690 χ^2/NDF: 391.9/16

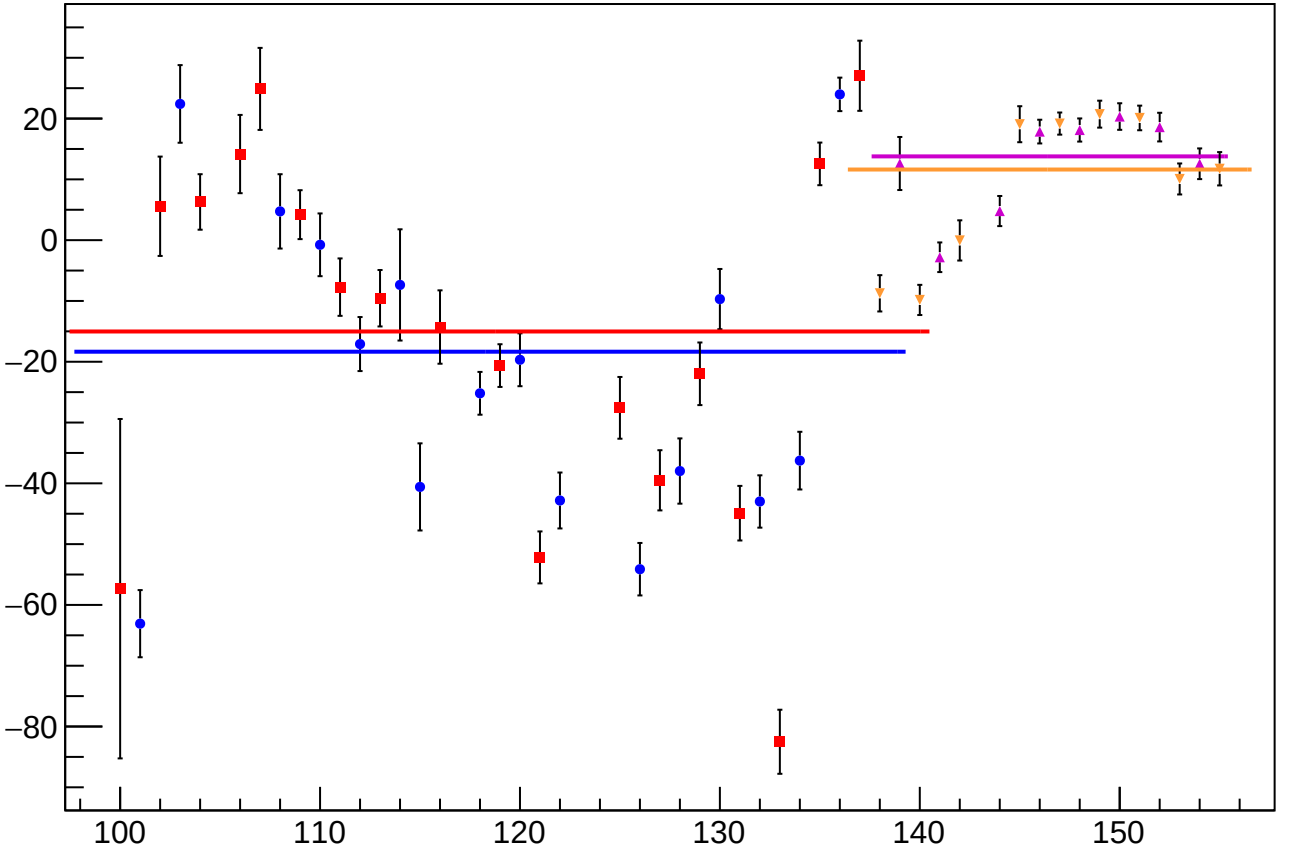
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -145.307+/-0.726 χ^2/NDF:6560.6/23

Out: -138.391+/-0.722 χ^2/NDF:6881.2/26

All: -141.830+/-0.512 χ^2/NDF: 13487.4/50

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 11.619+/-0.812 χ^2/NDF:192.0/8

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 13.780+/-0.825 χ^2/NDF:82.6/7

Left: 12.682+/-0.579 χ^2/NDF: 278.1/16

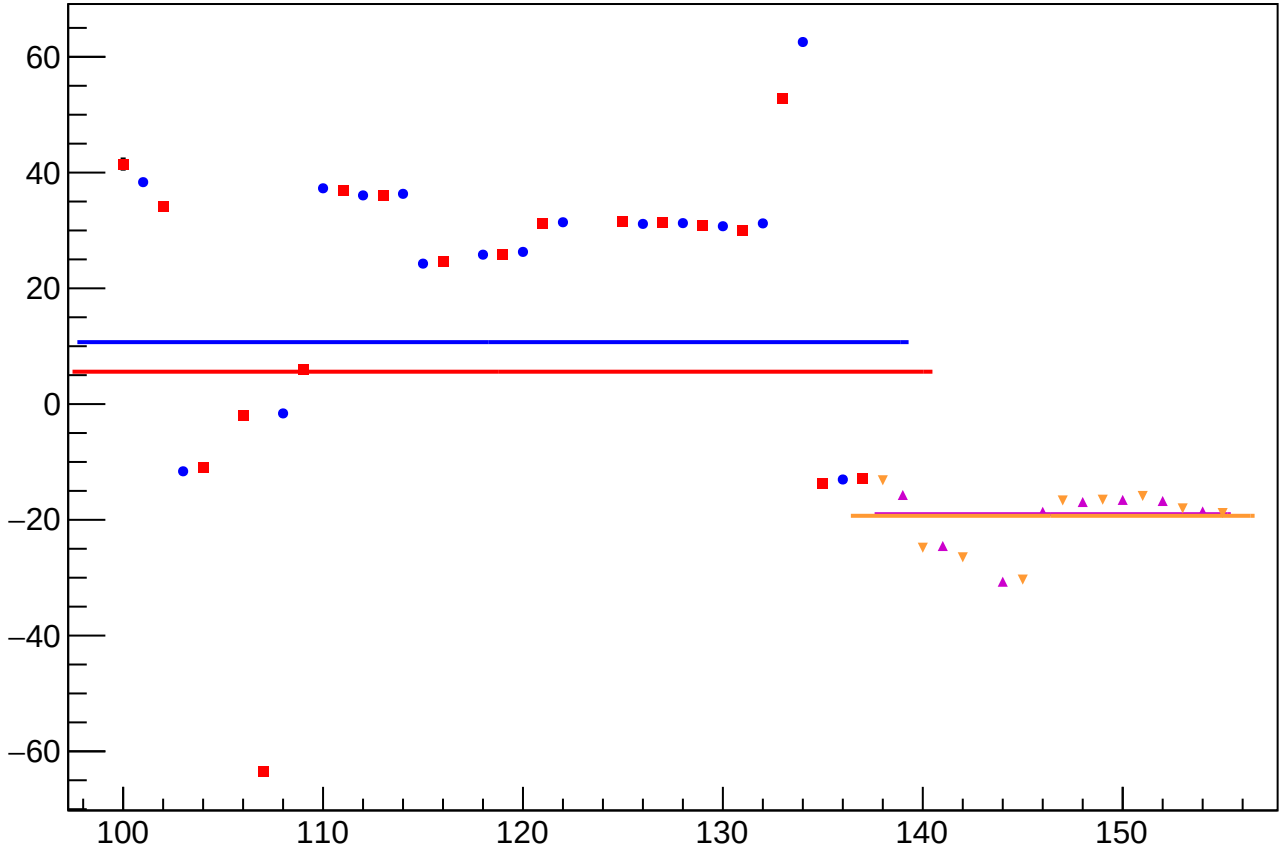
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 2.979+/-0.672 χ^2/NDF:1136.2/23

Out: 2.874+/-0.666 χ^2/NDF:1091.7/26

All: 2.926+/-0.473 χ^2/NDF: 2228.0/50

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: -19.303+/-0.038 χ^2/NDF:17919.1/8

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -19.026+/-0.038 χ^2/NDF:12729.4/7

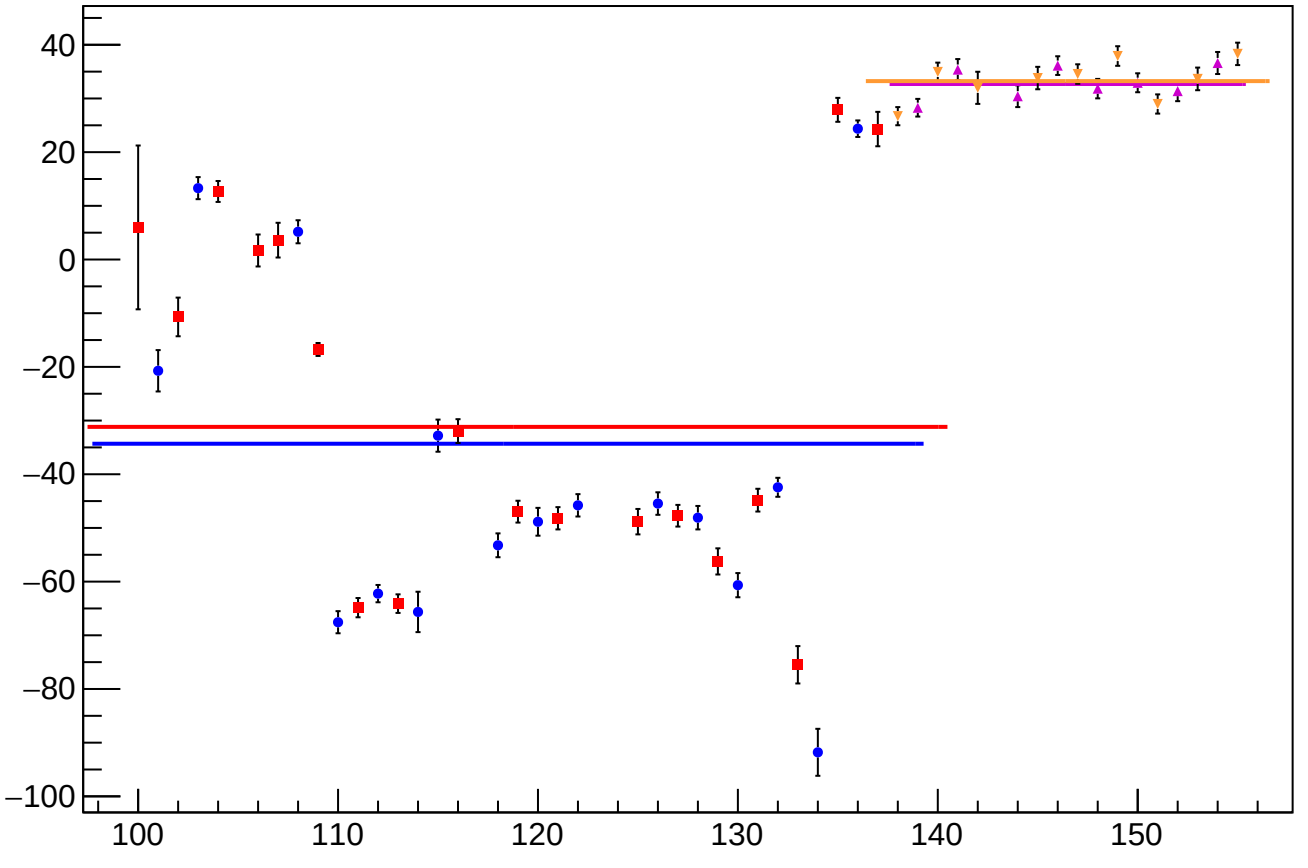
Left: -19.164+/-0.027 χ^2/NDF: 30674.6/16

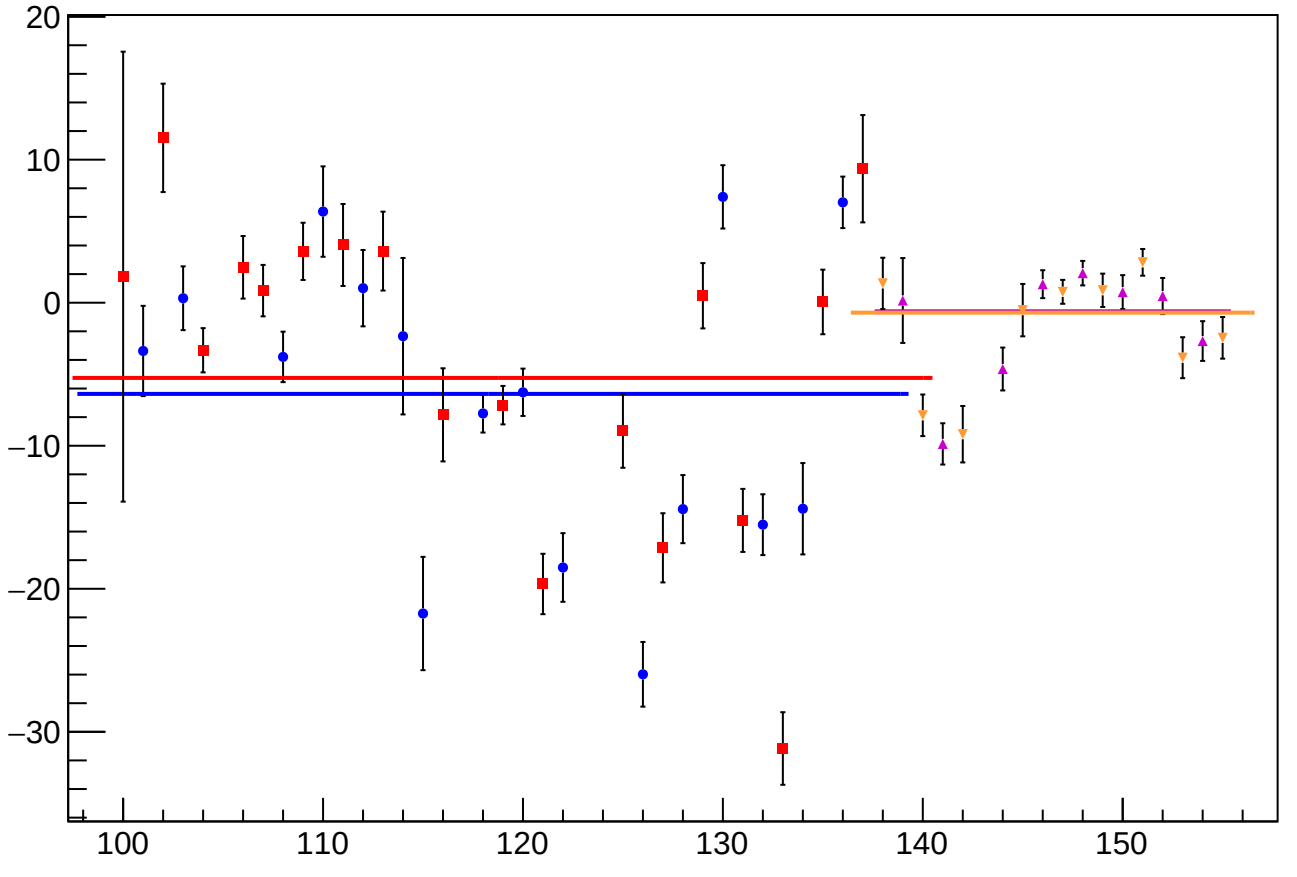
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -11.038+/-0.033 χ^2/NDF:340952.0/23

Out: -12.652+/-0.033 χ^2/NDF:285148.5/26

All: -11.838+/-0.023 χ^2/NDF: 627316.3/50


reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: -34.315+/-0.548 χ²/NDF: 3500.2/15
Left Out: 33.233+/-0.646 χ²/NDF:34.9/8
Right Out: -31.175+/-0.516 χ²/NDF: 3200.4/17
Left In: 32.698+/-0.653 χ²/NDF:18.6/7
Left: 32.968+/-0.459 χ²/NDF: 53.8/16
Right: -32.651+/-0.375 χ²/NDF: 6718.0/33
In: -6.611+/-0.420 χ²/NDF:9706.0/23
Out: -6.118+/-0.403 χ²/NDF:9302.8/26
All: -6.355+/-0.291 χ²/NDF: 19009.5/50



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.693+/-0.422 χ^2/NDF:69.5/8

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -0.599+/-0.434 χ^2/NDF:66.3/7

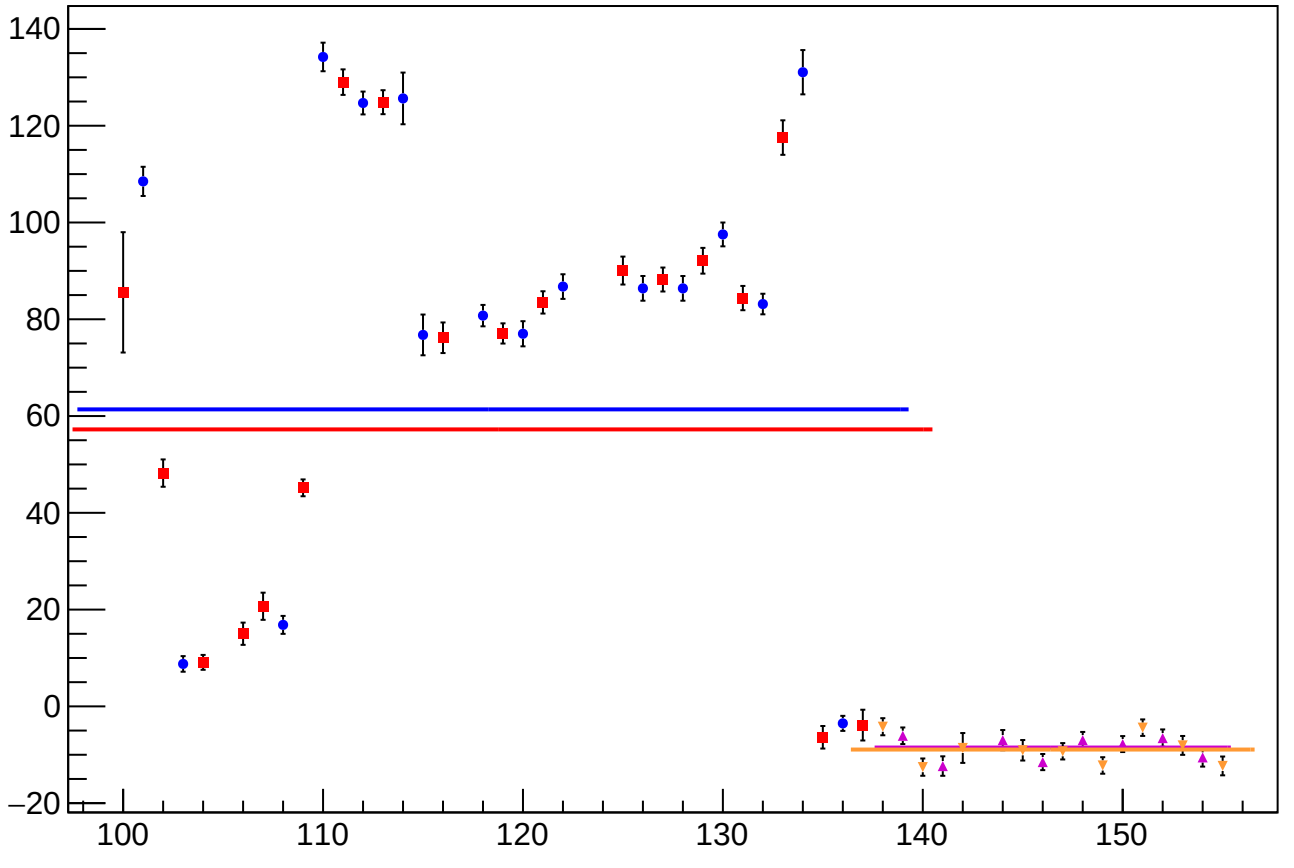
Left: -0.647+/-0.303 χ^2/NDF: 135.9/16

Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.798+/-0.342 χ^2/NDF:417.3/23

Out: -2.454+/-0.331 χ^2/NDF:427.6/26

All: -2.620+/-0.238 χ^2/NDF: 845.4/50



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -8.923+/-0.629 χ^2/NDF:25.3/8

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -8.509+/-0.635 χ^2/NDF:12.7/7

Left: -8.718+/-0.447 χ^2/NDF: 38.3/16

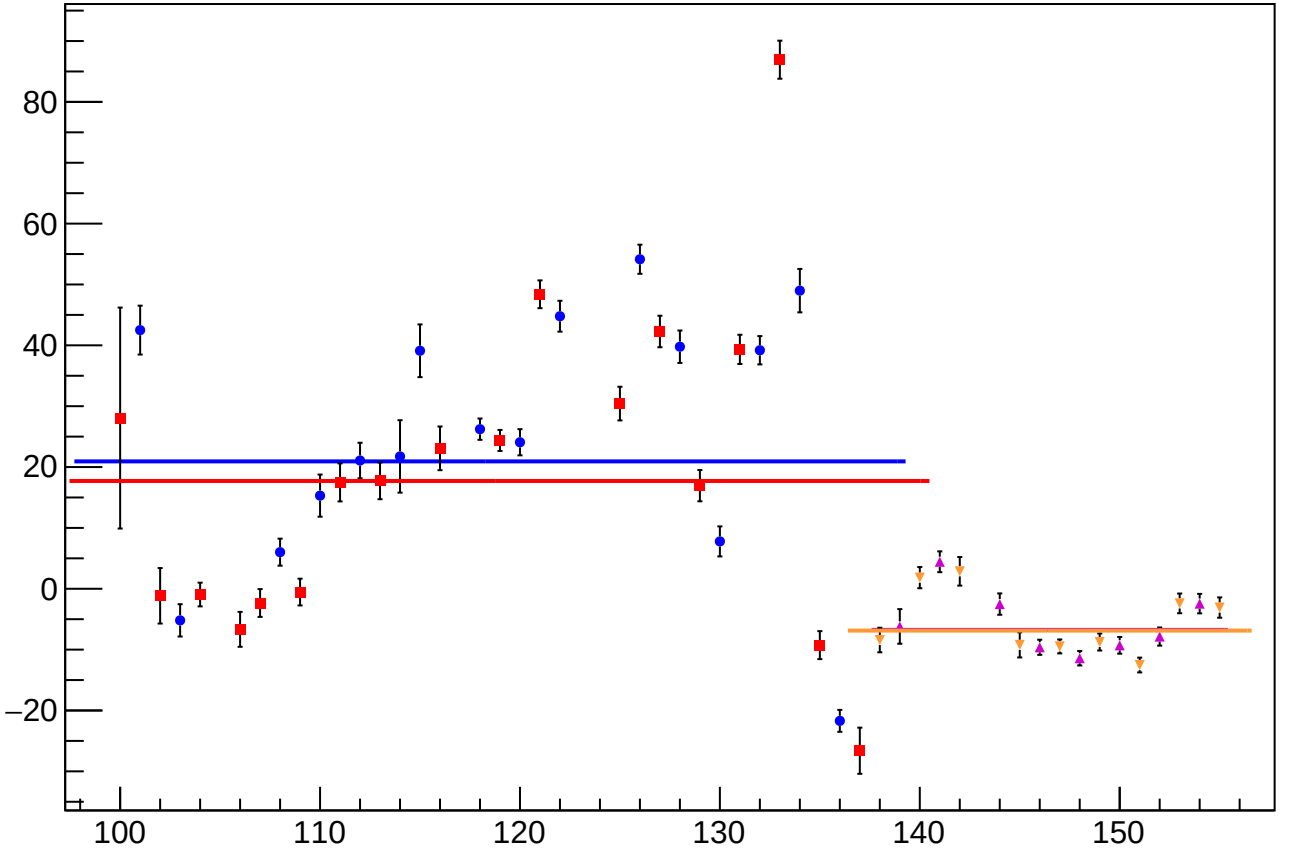
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 28.754+/-0.434 χ^2/NDF:12534.3/23

Out: 26.829+/-0.426 χ^2/NDF:11269.9/26

All: 27.775+/-0.304 χ^2/NDF: 23814.2/50

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: -6.876+/-0.521 χ^2/NDF:85.5/8

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -6.759+/-0.533 χ^2/NDF:80.5/7

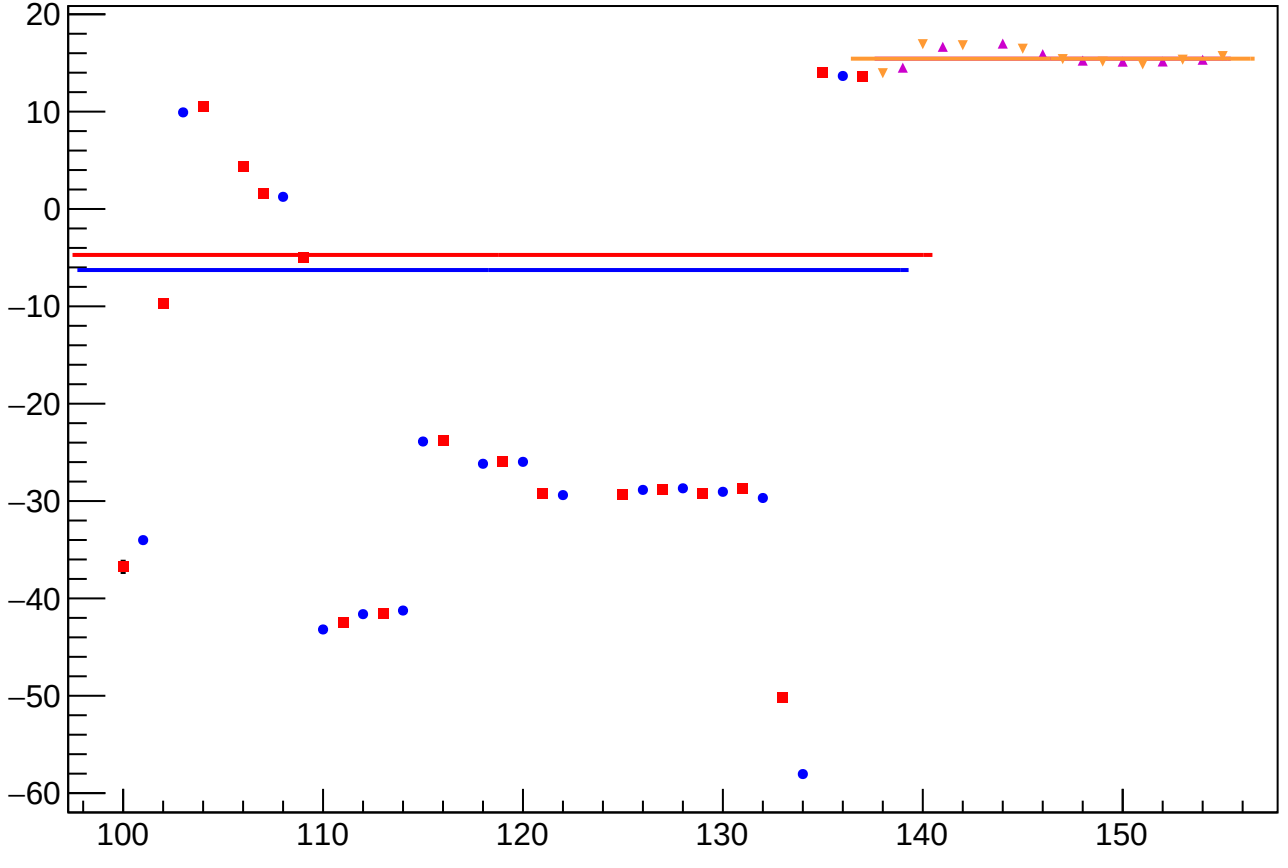
Left: -6.819+/-0.373 χ^2/NDF: 166.0/16

Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 4.588+/-0.410 χ^2/NDF:2430.2/23

Out: 3.335+/-0.398 χ^2/NDF:2492.6/26

All: 3.944+/-0.286 χ^2/NDF: 4927.6/50



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.439+/-0.025 χ^2/NDF:1204.1/8

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.438+/-0.025 χ^2/NDF:819.4/7

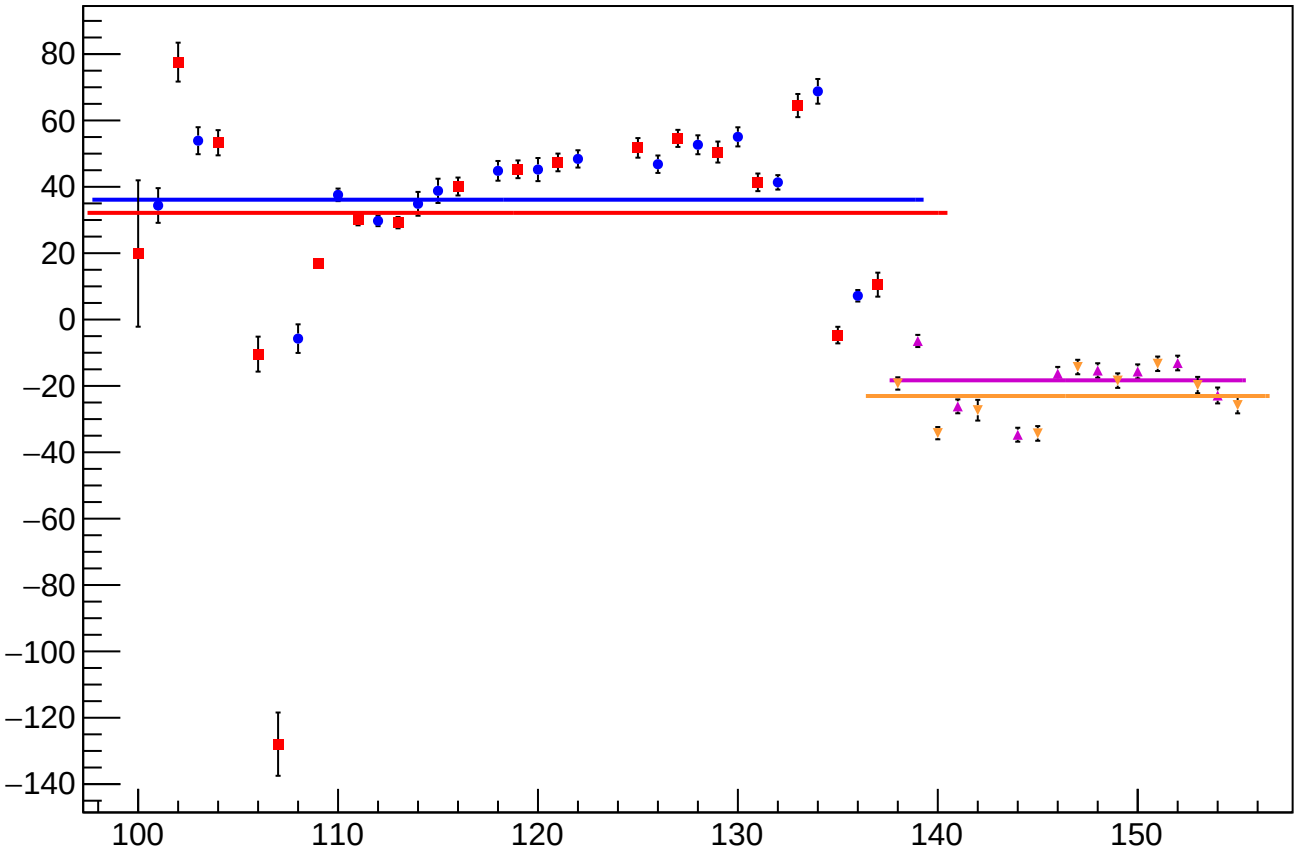
Left: 15.438+/-0.017 χ^2/NDF: 2023.4/16

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 7.786+/-0.020 χ^2/NDF:684568.7/23

Out: 8.380+/-0.020 χ^2/NDF:540548.7/26

All: 8.082+/-0.014 χ^2/NDF: 1225563.0/50



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -23.038+/-0.737 χ^2/NDF:111.9/8

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -18.315+/-0.745 χ^2/NDF:130.1/7

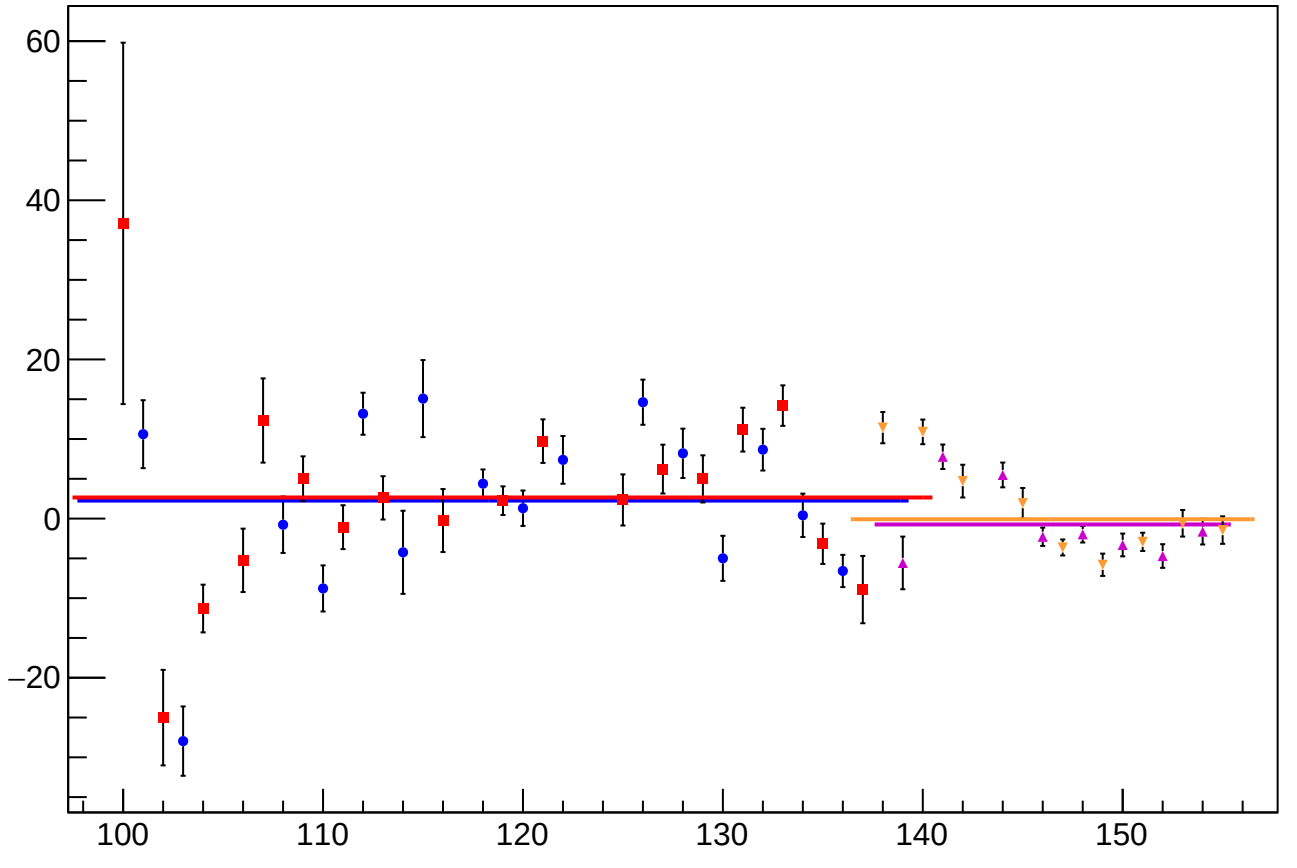
Left: -20.702+/-0.524 χ^2/NDF: 262.3/16

Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 12.327+/-0.493 χ^2/NDF:3758.4/23

Out: 8.826+/-0.479 χ^2/NDF:4463.3/26

All: 10.528+/-0.343 χ^2/NDF: 8247.7/50



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: -0.080+/-0.492 χ^2/NDF:127.0/8

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: -0.738+/-0.504 χ^2/NDF:62.5/7

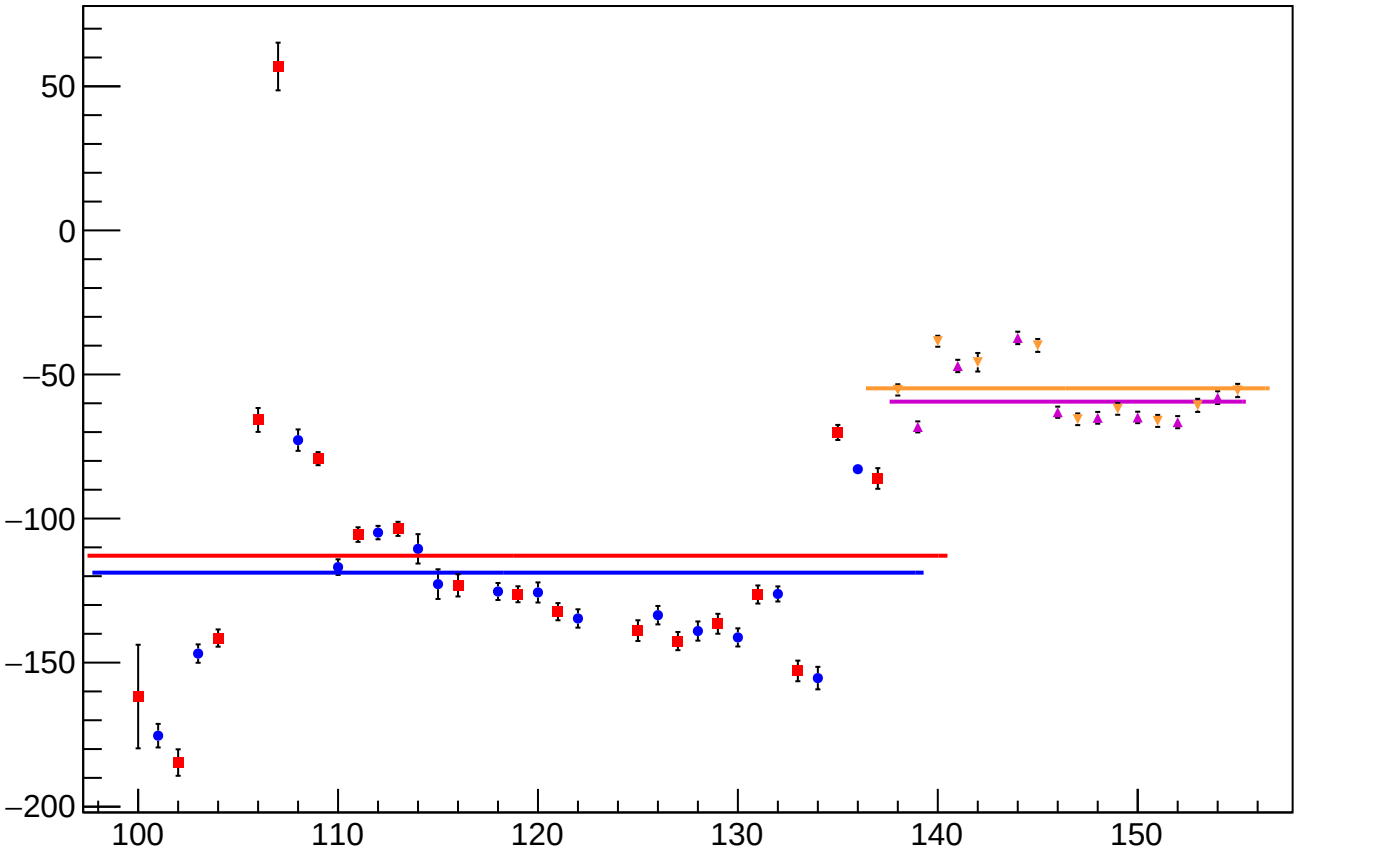
Left: -0.401+/-0.352 χ^2/NDF: 190.4/16

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 0.283+/-0.409 χ^2/NDF:226.6/23

Out: 0.796+/-0.405 χ^2/NDF:244.1/26

All: 0.542+/-0.288 χ^2/NDF: 471.5/50



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -54.812+/-0.721 χ^2/NDF:201.4/8

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.434+/-0.728 χ^2/NDF:189.0/7

Left: -57.101+/-0.512 χ^2/NDF: 410.7/16

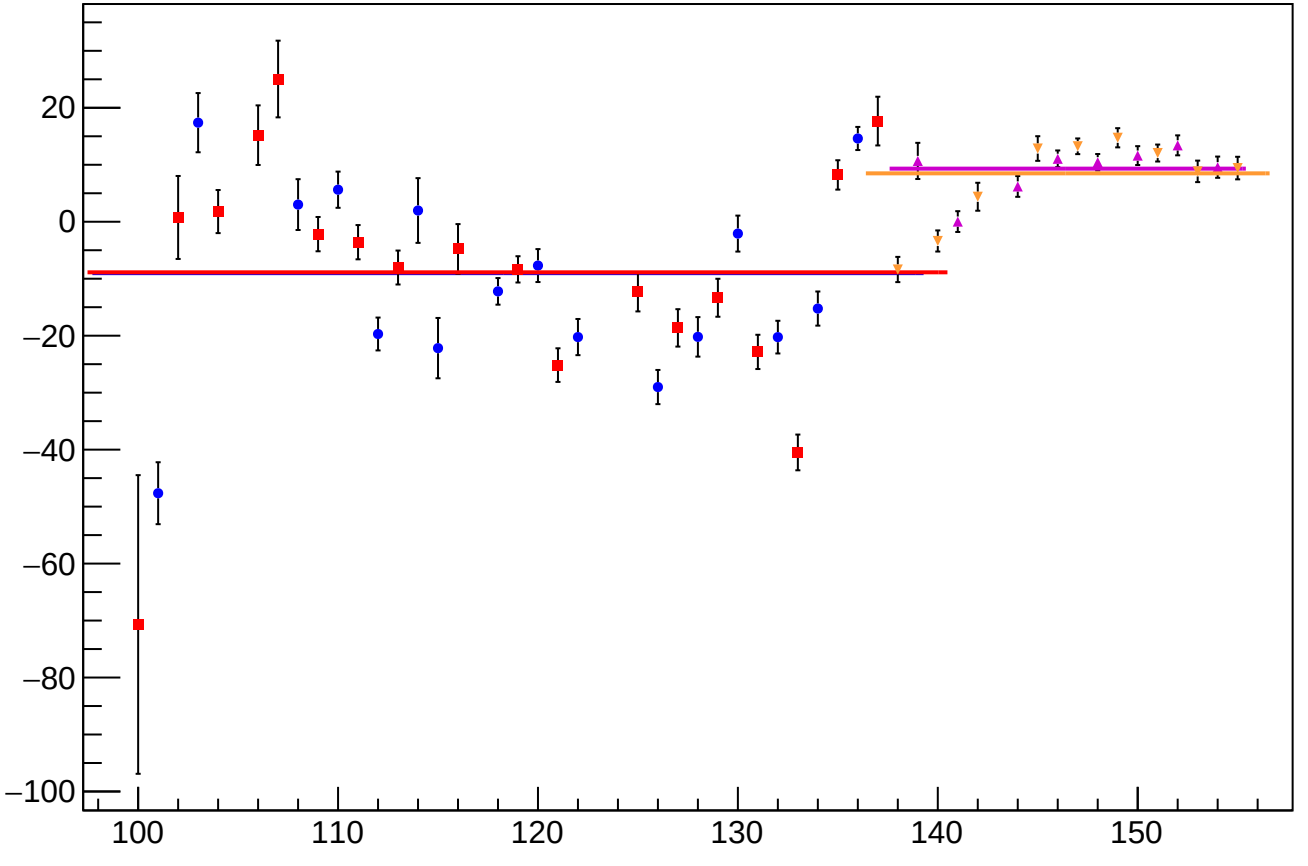
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -87.962+/-0.525 χ^2/NDF:4501.3/23

Out: -82.300+/-0.523 χ^2/NDF:5133.8/26

All: -85.124+/-0.371 χ^2/NDF: 9693.4/50

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: 8.493+/-0.604 χ^2/NDF:137.6/8

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 9.320+/-0.616 χ^2/NDF:38.5/7

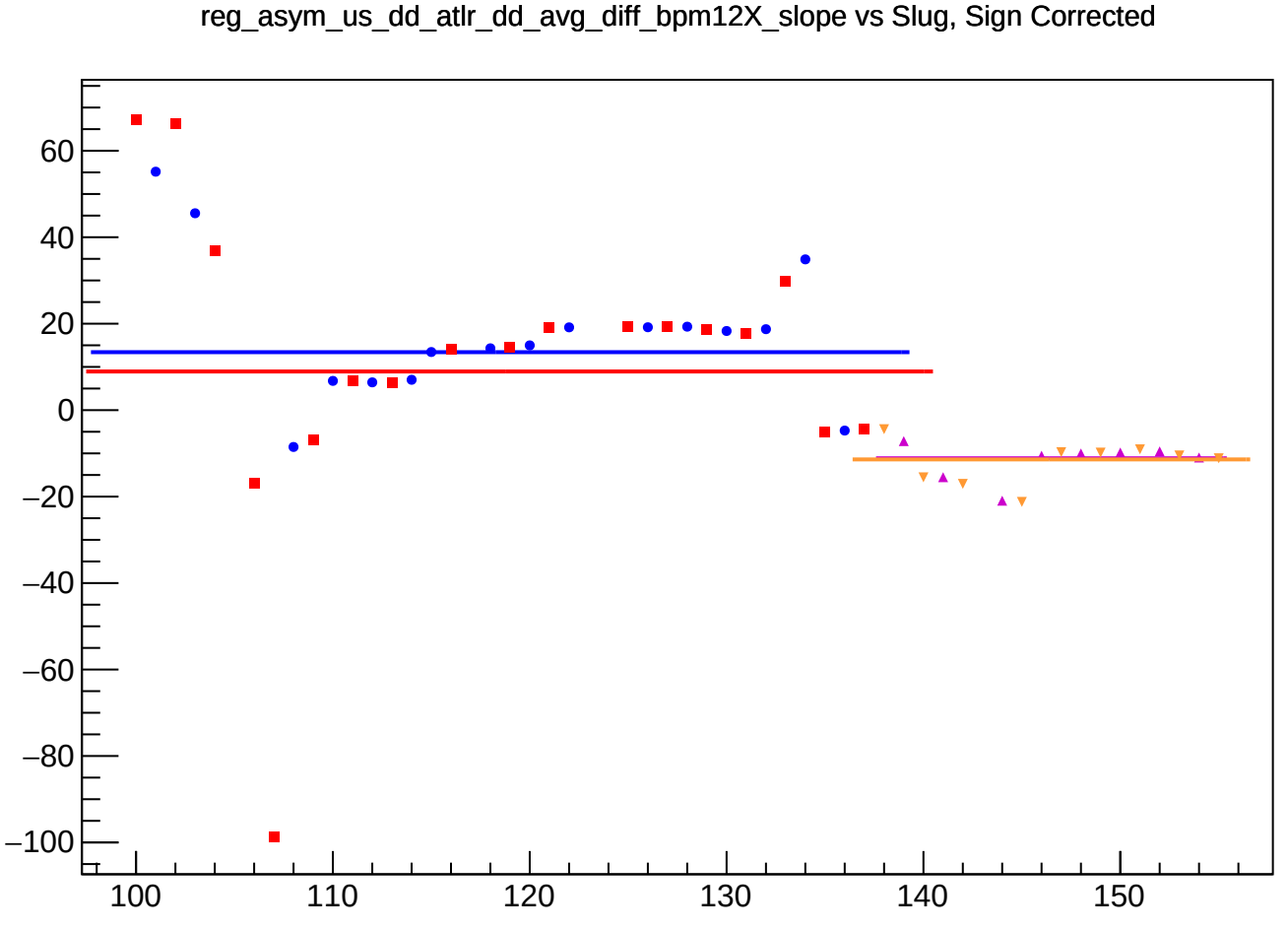
Left: 8.898+/-0.431 χ^2/NDF: 177.0/16

Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 2.441+/-0.487 χ^2/NDF:728.6/23

Out: 2.291+/-0.484 χ^2/NDF:751.7/26

All: 2.365+/-0.343 χ^2/NDF: 1480.4/50



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.398+/-0.028 χ^2/NDF:26471.4/8

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.131+/-0.028 χ^2/NDF:17112.0/7

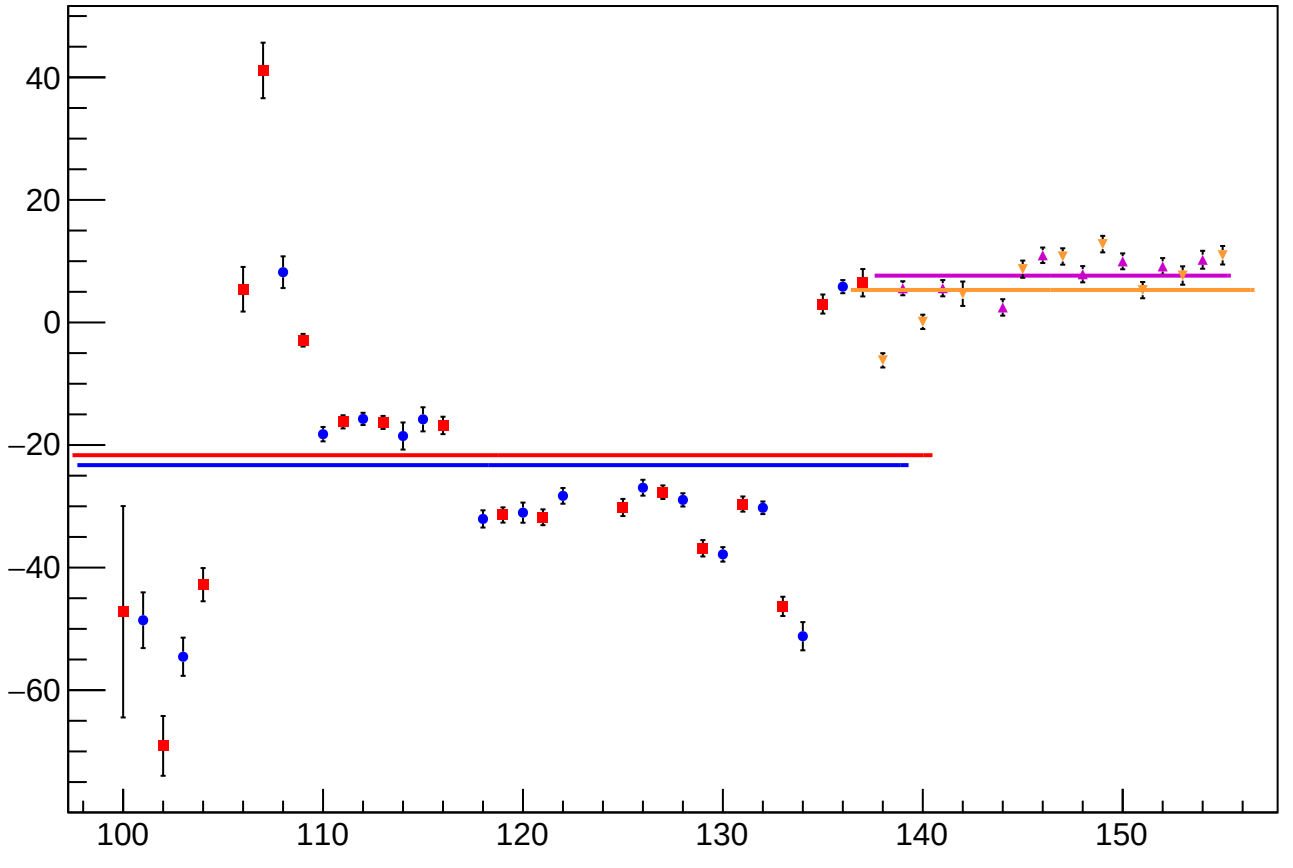
Left: -11.264+/-0.020 χ^2/NDF: 43627.4/16

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -4.228+/-0.024 χ^2/NDF:411964.5/23

Out: -6.017+/-0.024 χ^2/NDF:453042.8/26

All: -5.109+/-0.017 χ^2/NDF: 867741.7/50



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 5.305+/-0.457 χ^2/NDF:186.7/8

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 7.641+/-0.462 χ^2/NDF:35.1/7

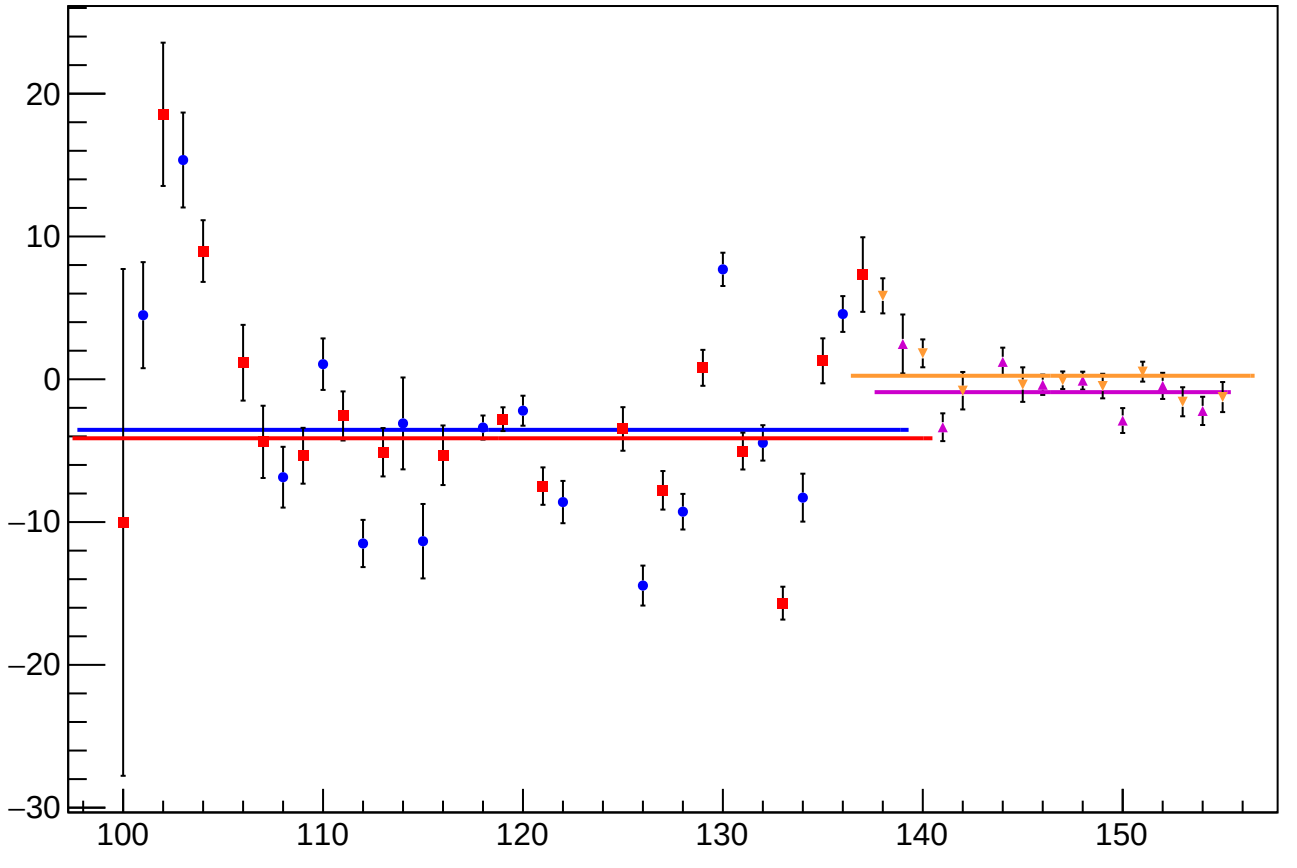
Left: 6.460+/-0.325 χ^2/NDF: 234.7/16

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -11.983+/-0.279 χ^2/NDF:4448.3/23

Out: -11.781+/-0.276 χ^2/NDF:4208.4/26

All: -11.881+/-0.196 χ^2/NDF: 8656.9/50



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.246+/-0.303 χ^2/NDF:30.6/8

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.901+/-0.311 χ^2/NDF:23.0/7

Left: -0.314+/-0.217 χ^2/NDF: 60.6/16

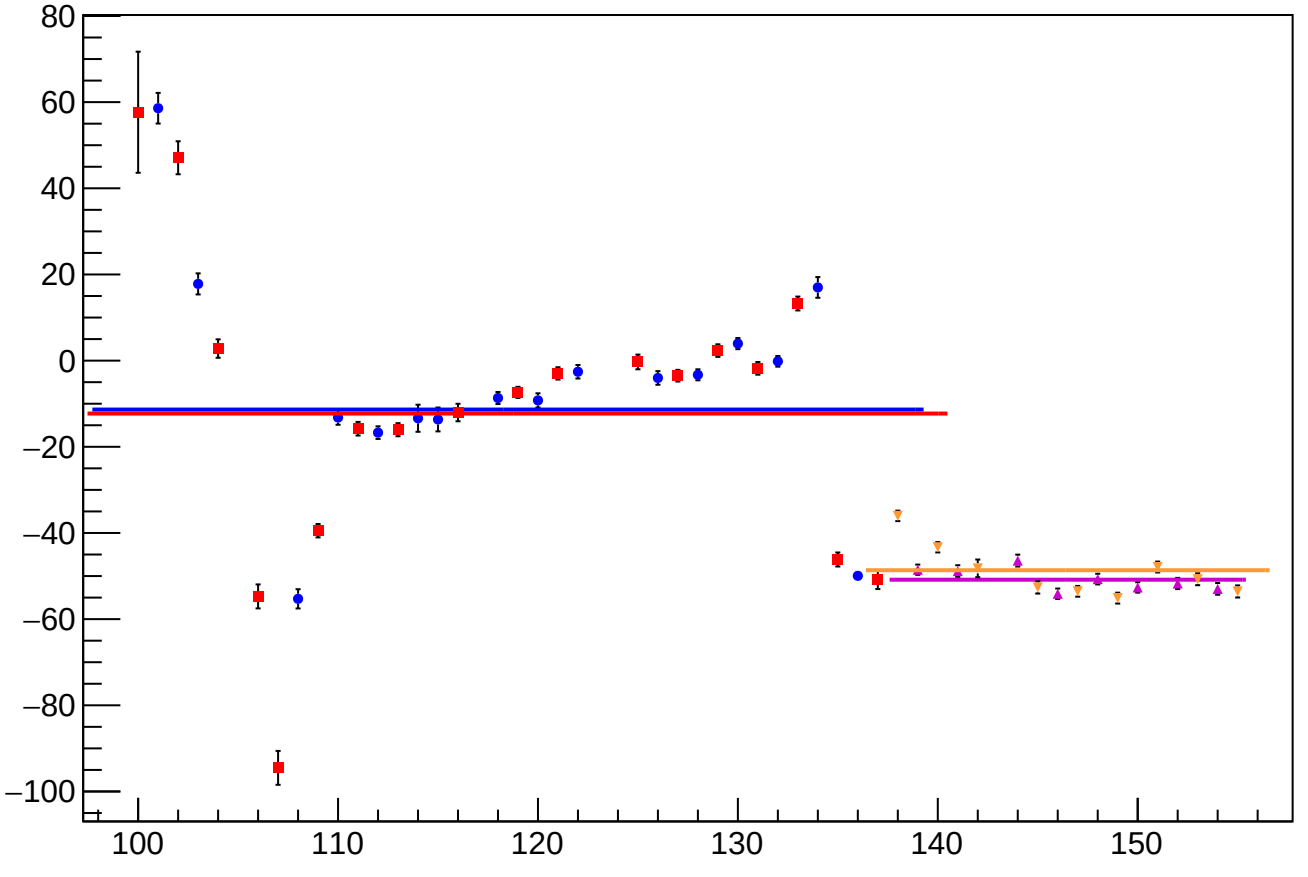
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -2.018+/-0.236 χ^2/NDF:370.3/23

Out: -1.508+/-0.235 χ^2/NDF:341.6/26

All: -1.762+/-0.166 χ^2/NDF: 714.4/50

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -48.647+/-0.446 χ^2/NDF:191.5/8

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -50.845+/-0.451 χ^2/NDF:28.6/7

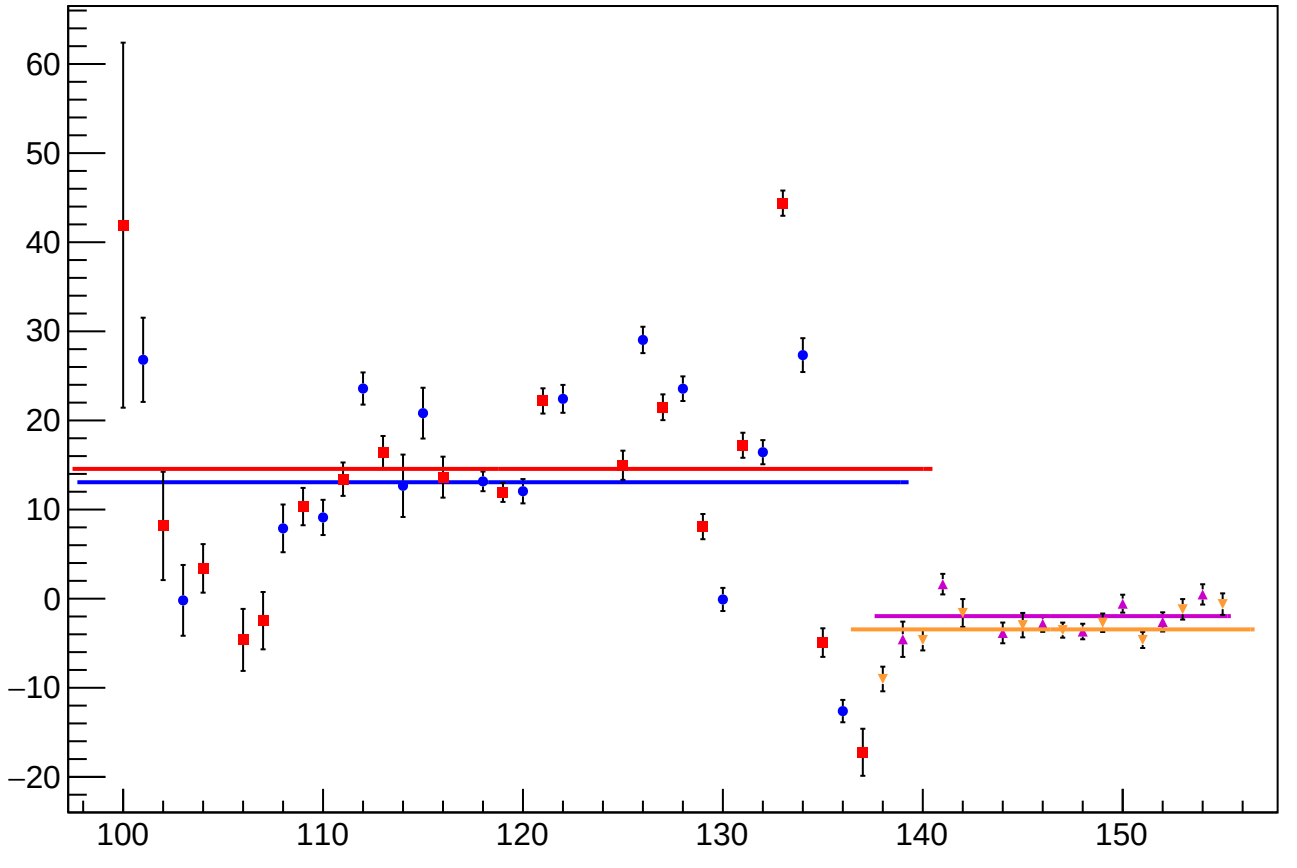
Left: -49.735+/-0.317 χ^2/NDF: 232.1/16

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -29.026+/-0.302 χ^2/NDF:6930.6/23

Out: -29.063+/-0.303 χ^2/NDF:6357.4/26

All: -29.045+/-0.214 χ^2/NDF: 13288.0/50



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.447+/-0.373 χ^2/NDF:30.3/8

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -1.958+/-0.381 χ^2/NDF:25.7/7

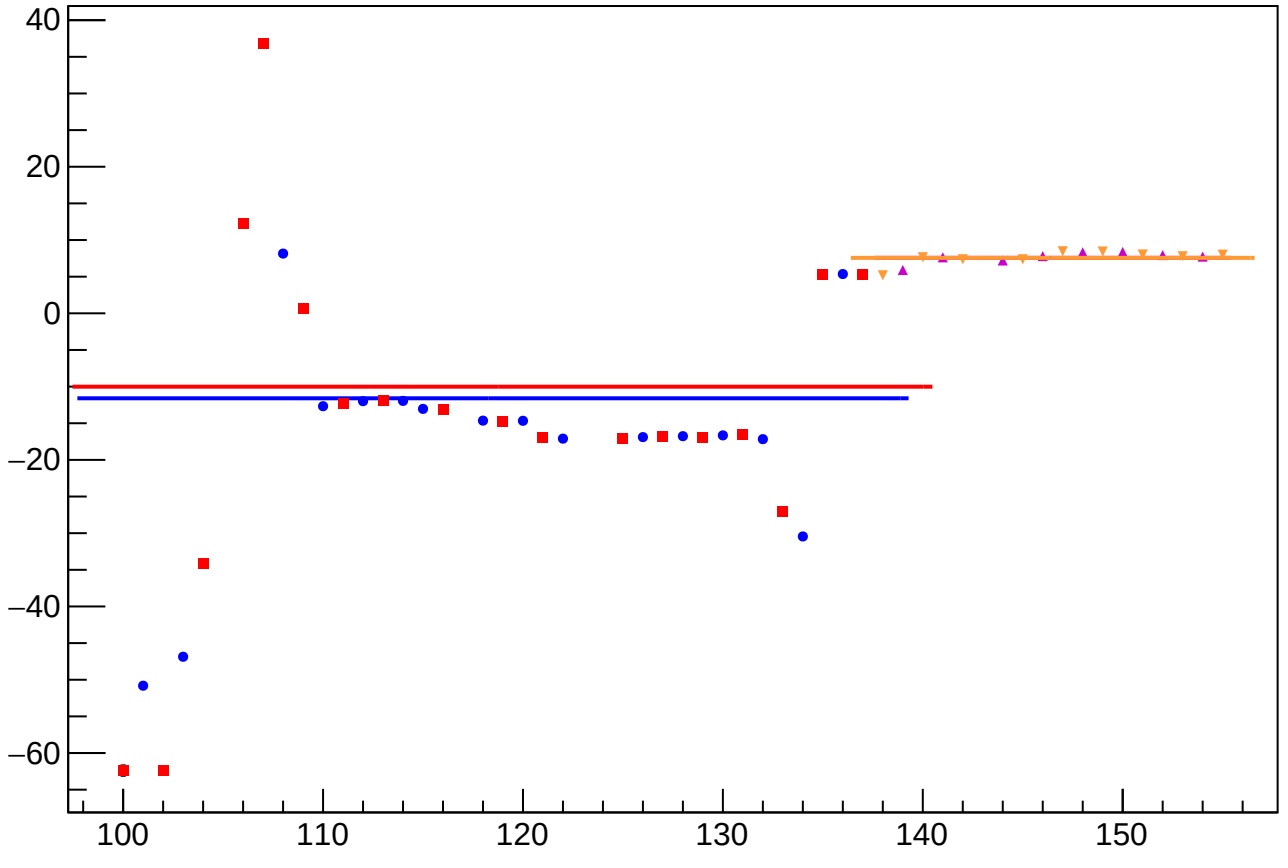
Left: -2.718+/-0.266 χ^2/NDF: 63.9/16

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 4.911+/-0.280 χ^2/NDF:1601.5/23

Out: 4.434+/-0.279 χ^2/NDF:1955.4/26

All: 4.671+/-0.198 χ^2/NDF: 3558.4/50



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.567+/-0.018 χ^2/NDF:3208.4/8

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.569+/-0.018 χ^2/NDF:2146.2/7

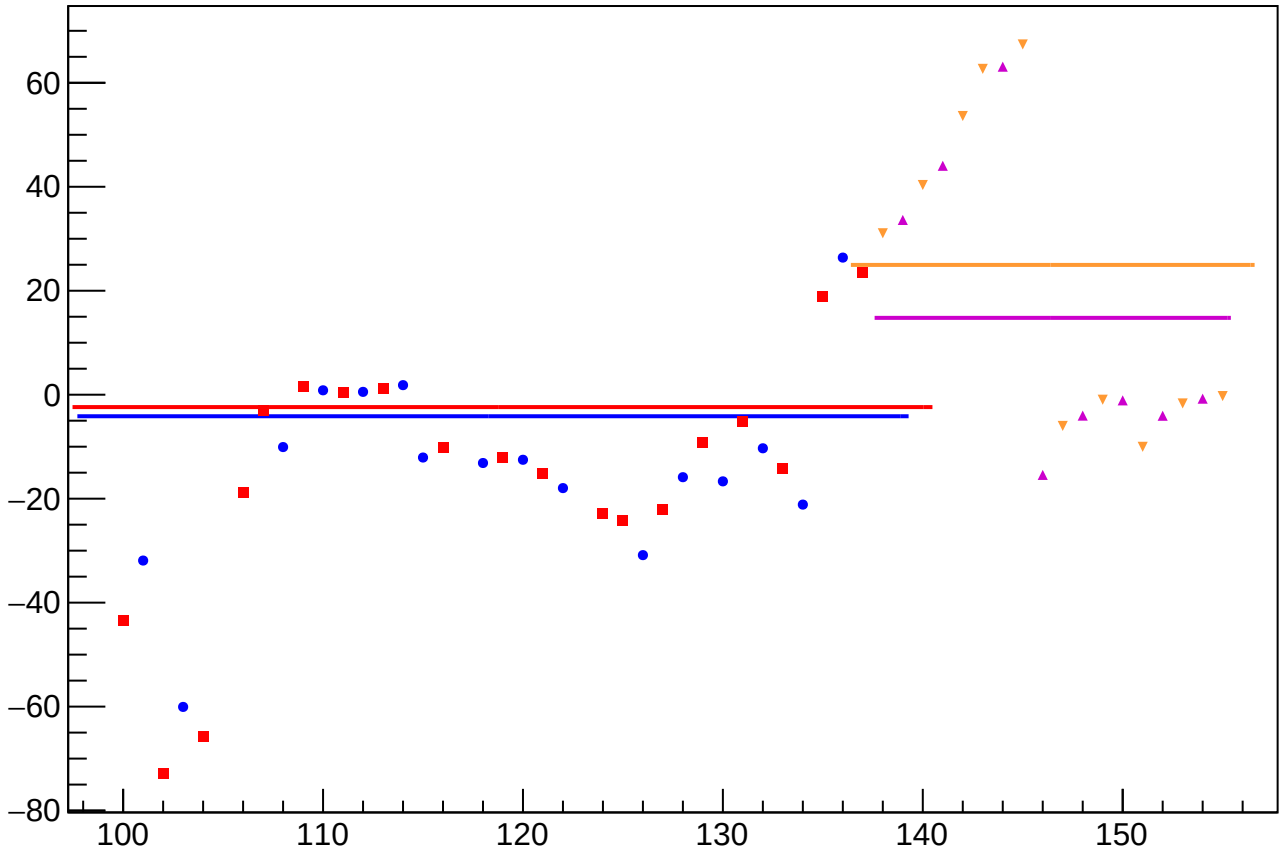
Left: 7.568+/-0.012 χ^2/NDF: 5354.6/16

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 1.684+/-0.015 χ^2/NDF:730334.8/23

Out: 2.457+/-0.015 χ^2/NDF:690483.2/26

All: 2.065+/-0.010 χ^2/NDF: 1422203.9/50



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 24.967+/-0.088 χ^2/NDF:87391.8/9

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 14.783+/-0.081 χ^2/NDF:90256.9/7

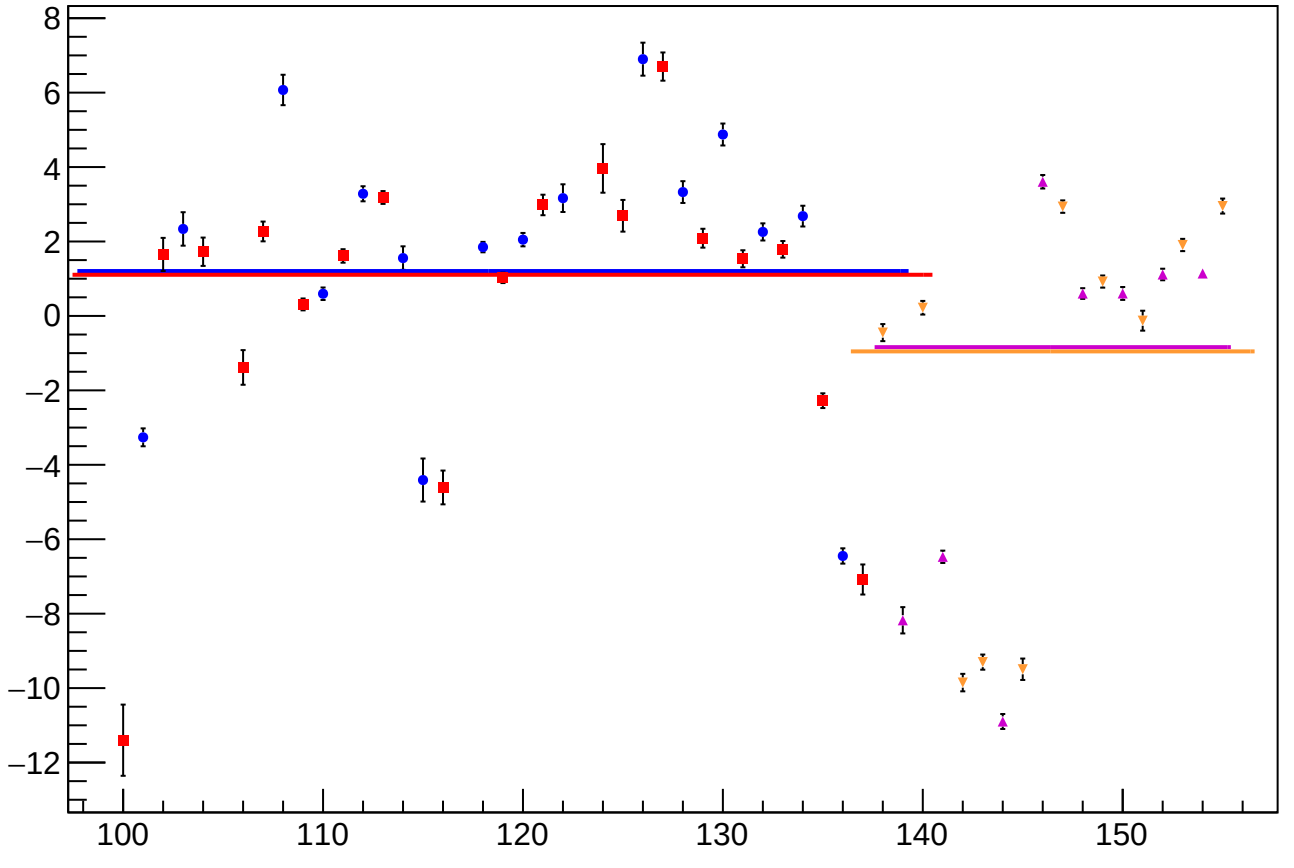
Left: 19.444+/-0.059 χ^2/NDF: 184949.4/17

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 1.817+/-0.045 χ^2/NDF:203261.8/23

Out: 3.538+/-0.041 χ^2/NDF:244209.0/28

All: 2.766+/-0.030 χ^2/NDF: 448268.2/52



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: -0.953+/-0.063 χ^2/NDF:5401.9/9

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -0.839+/-0.057 χ^2/NDF:5367.8/7

Left: -0.890+/-0.042 χ^2/NDF: 10771.5/17

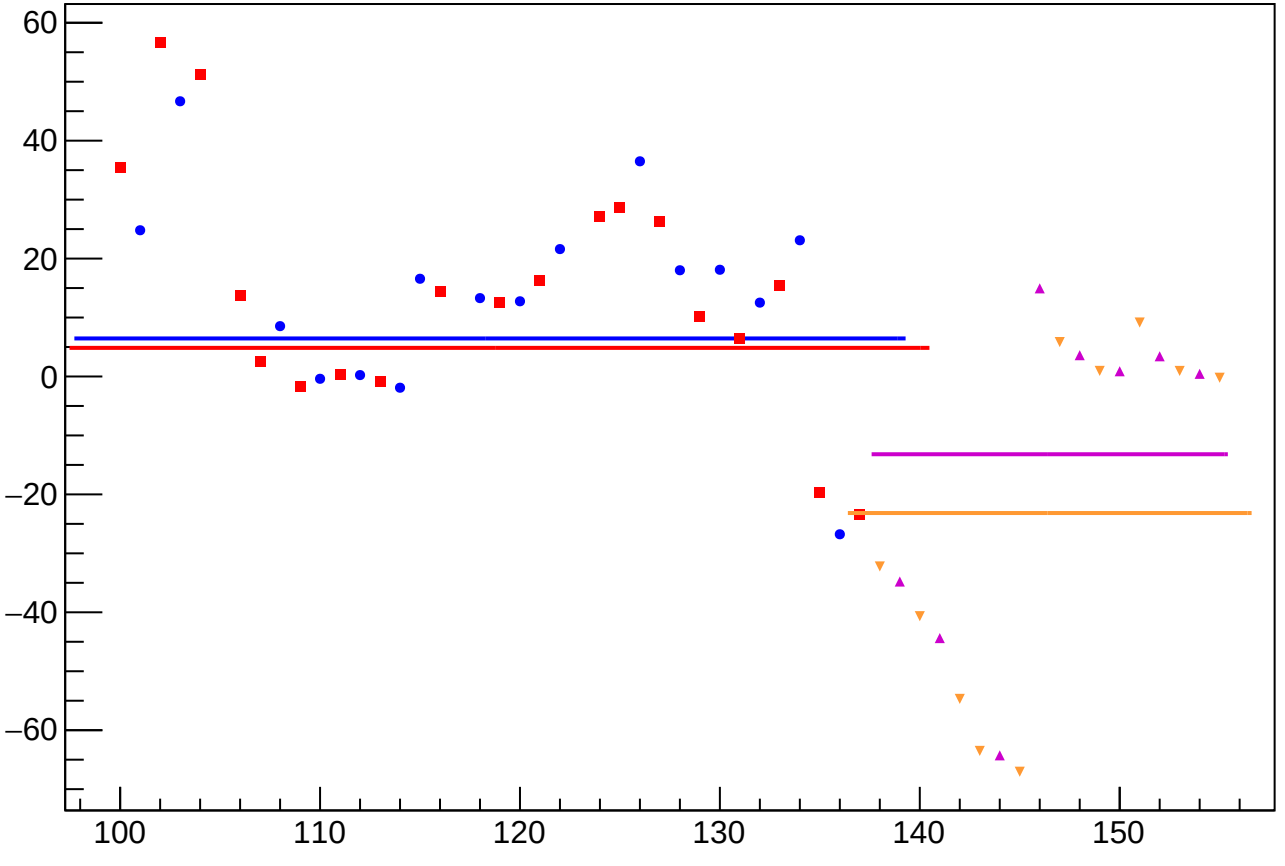
Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.115+/-0.041 χ^2/NDF:8563.1/23

Out: 0.176+/-0.042 χ^2/NDF:7573.7/28

All: 0.145+/-0.030 χ^2/NDF: 16137.9/52

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -23.162+/-0.087 χ^2/NDF:90874.3/9

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -13.190+/-0.078 χ^2/NDF:92412.9/7

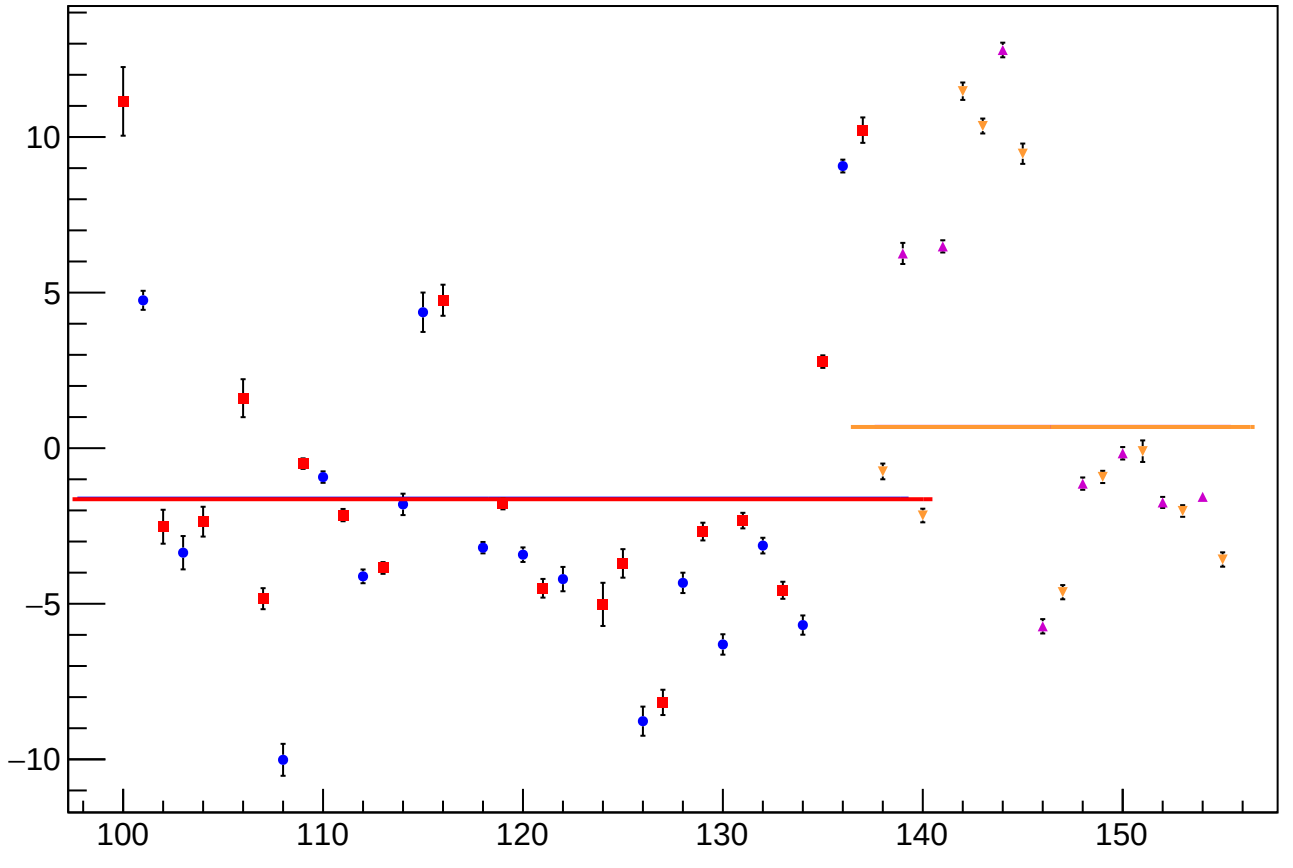
Left: -17.662+/-0.058 χ^2/NDF: 190607.0/17

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -1.622+/-0.050 χ^2/NDF:200383.4/23

Out: -4.066+/-0.049 χ^2/NDF:237552.1/28

All: -2.874+/-0.035 χ^2/NDF: 439156.7/52



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 0.682+/-0.075 χ^2/NDF:5199.9/9

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: 0.685+/-0.067 χ^2/NDF:5190.0/7

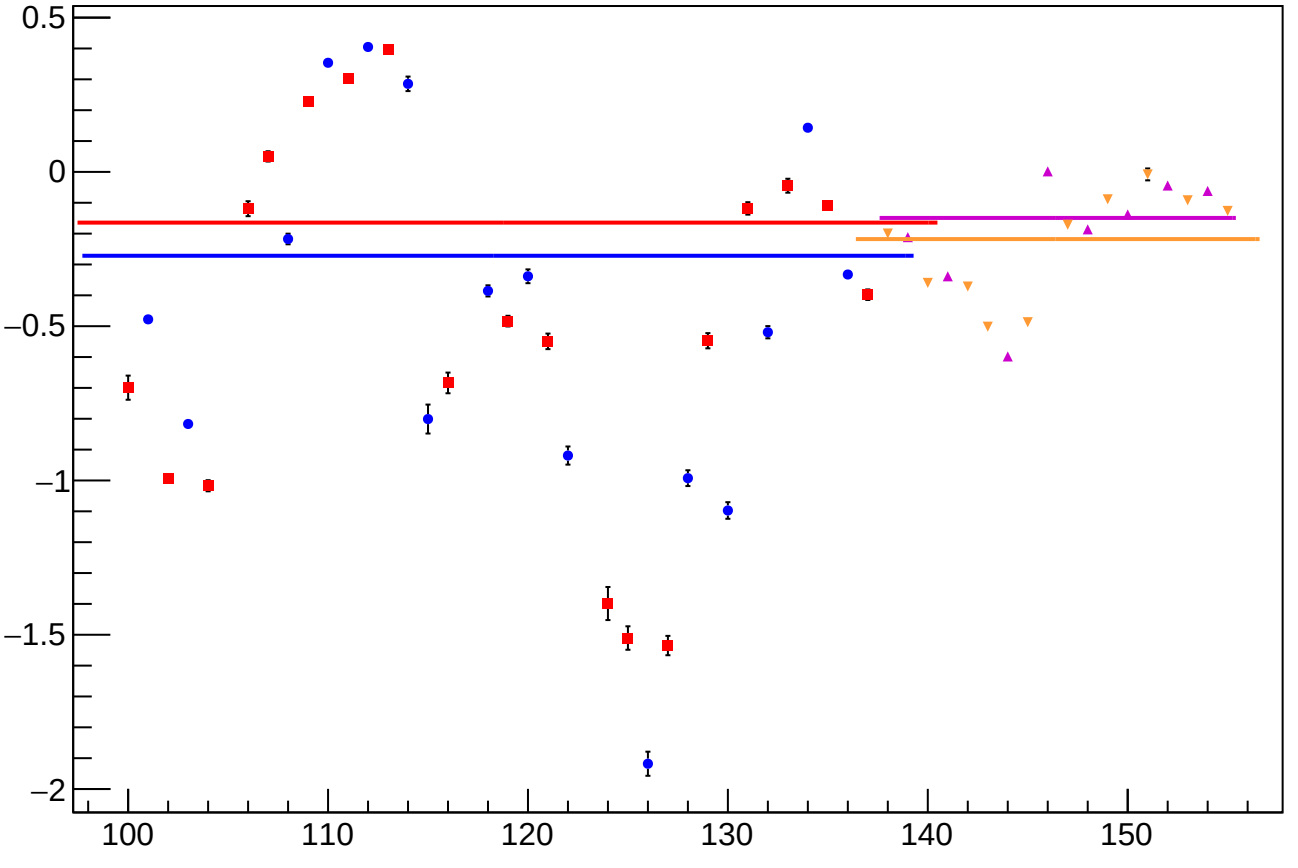
Left: 0.683+/-0.050 χ^2/NDF: 10389.9/17

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -0.428+/-0.048 χ^2/NDF:10283.6/23

Out: -0.655+/-0.049 χ^2/NDF:8210.8/28

All: -0.540+/-0.034 χ^2/NDF: 18505.2/52



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.218+/-0.003 χ^2/NDF:1935.2/9

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.149+/-0.003 χ^2/NDF:2408.1/7

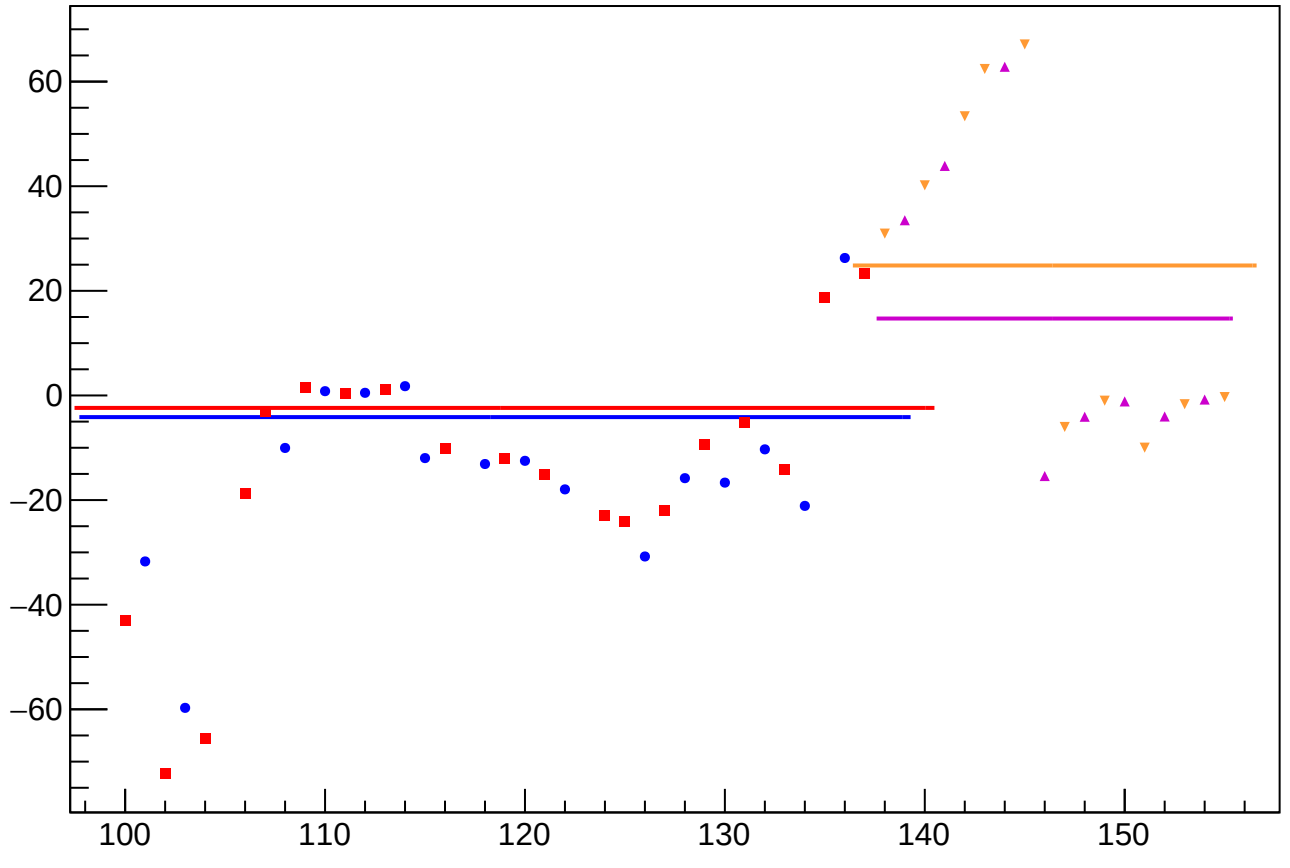
Left: -0.178+/-0.002 χ^2/NDF: 4582.8/17

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.189+/-0.002 χ^2/NDF:15043.5/23

Out: -0.194+/-0.003 χ^2/NDF:17543.0/28

All: -0.192+/-0.002 χ^2/NDF: 32588.8/52



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 24.846+/-0.087 χ^2/NDF:87345.1/9

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 14.706+/-0.080 χ^2/NDF:90226.2/7

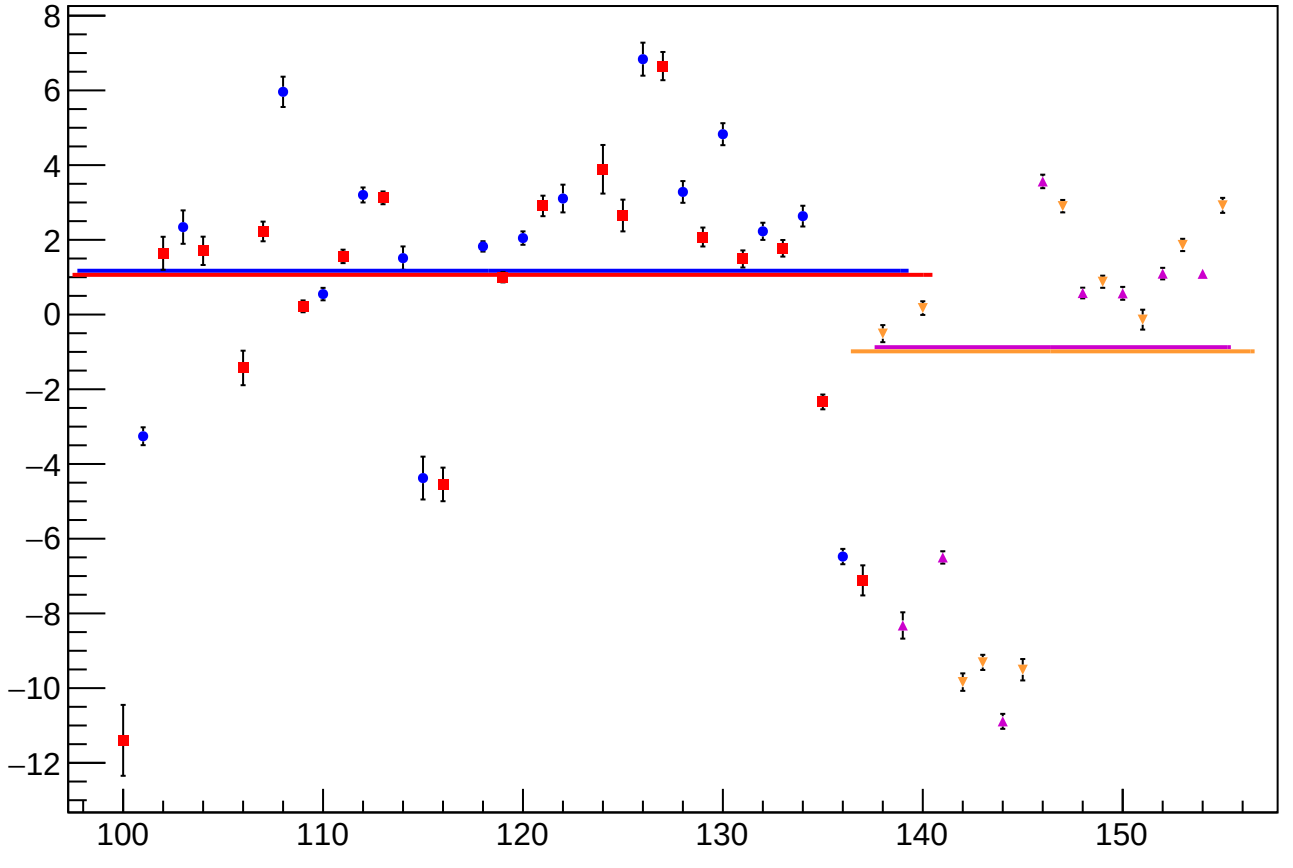
Left: 19.348+/-0.059 χ^2/NDF: 184855.8/17

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 1.772+/-0.045 χ^2/NDF:203182.6/23

Out: 3.485+/-0.041 χ^2/NDF:244007.3/28

All: 2.717+/-0.030 χ^2/NDF: 447988.6/52



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -0.985+/-0.063 χ^2/NDF:5405.9/9

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: -0.874+/-0.056 χ^2/NDF:5388.2/7

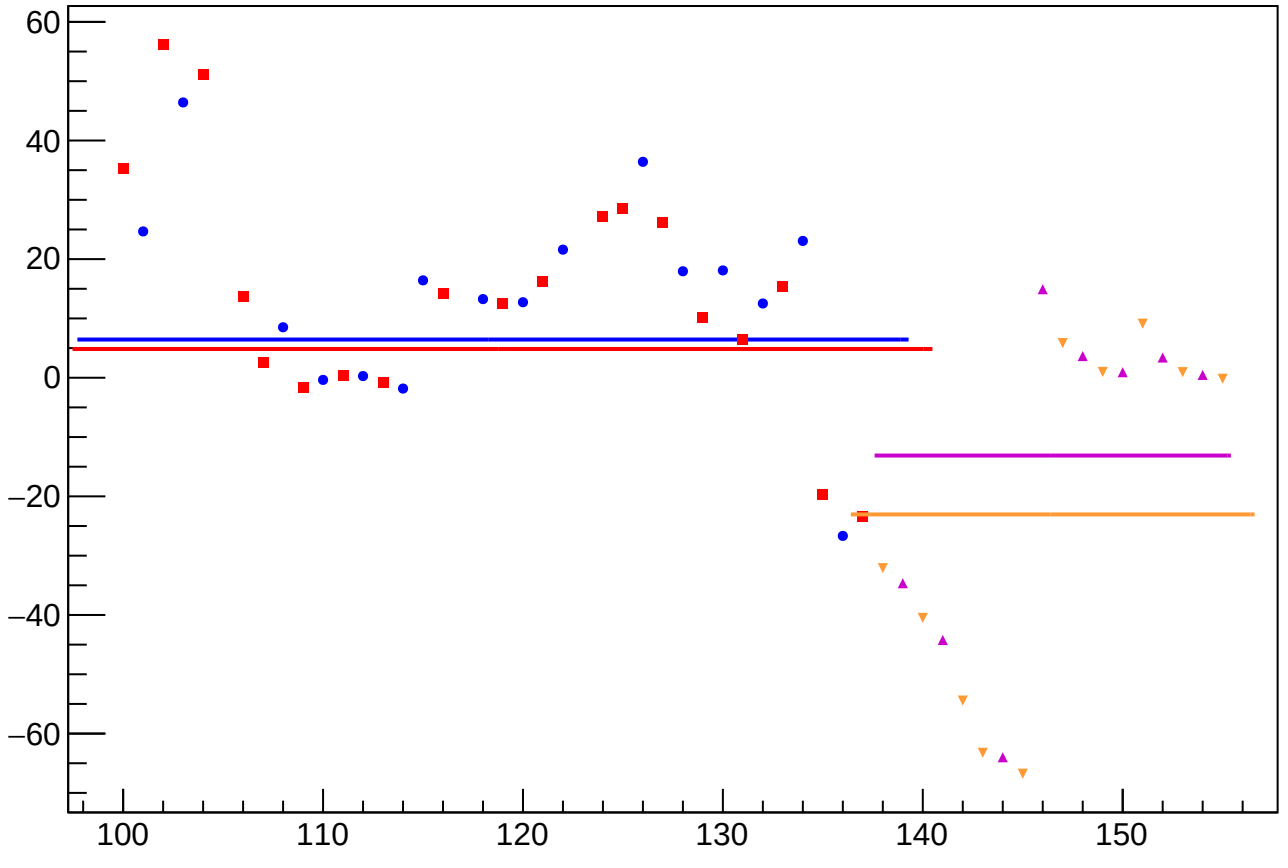
Left: -0.923+/-0.042 χ^2/NDF: 10795.9/17

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.083+/-0.041 χ^2/NDF:8589.4/23

Out: 0.140+/-0.042 χ^2/NDF:7585.6/28

All: 0.111+/-0.029 χ^2/NDF: 16176.0/52



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -23.047+/-0.086 χ^2/NDF:90817.7/9

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -13.119+/-0.078 χ^2/NDF:92371.7/7

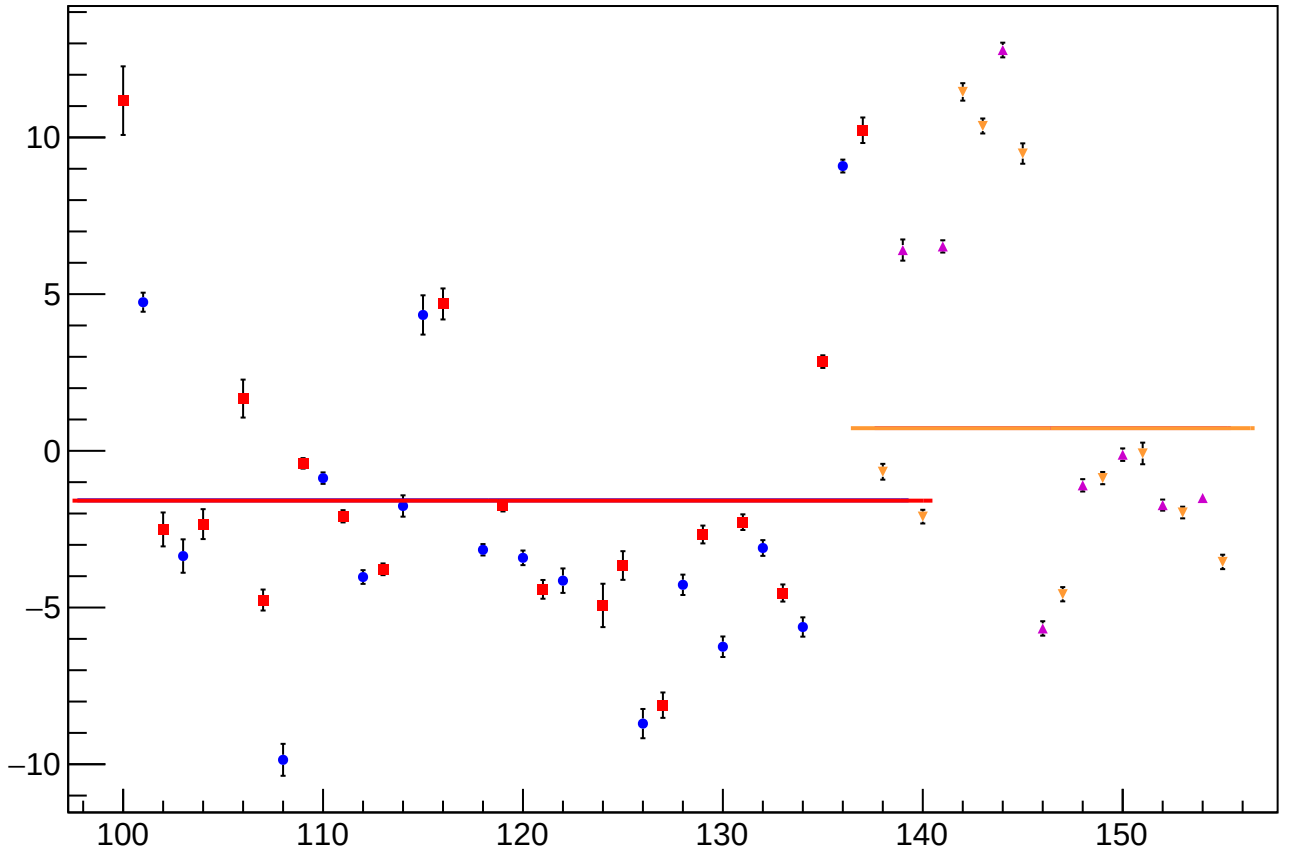
Left: -17.573+/-0.058 χ^2/NDF: 190492.8/17

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -1.576+/-0.050 χ^2/NDF:200291.2/23

Out: -4.005+/-0.049 χ^2/NDF:237356.6/28

All: -2.821+/-0.035 χ^2/NDF: 438866.3/52



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 0.723+/-0.075 χ^2/NDF:5198.3/9

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: 0.727+/-0.067 χ^2/NDF:5207.1/7

Left: 0.725+/-0.050 χ^2/NDF: 10405.4/17

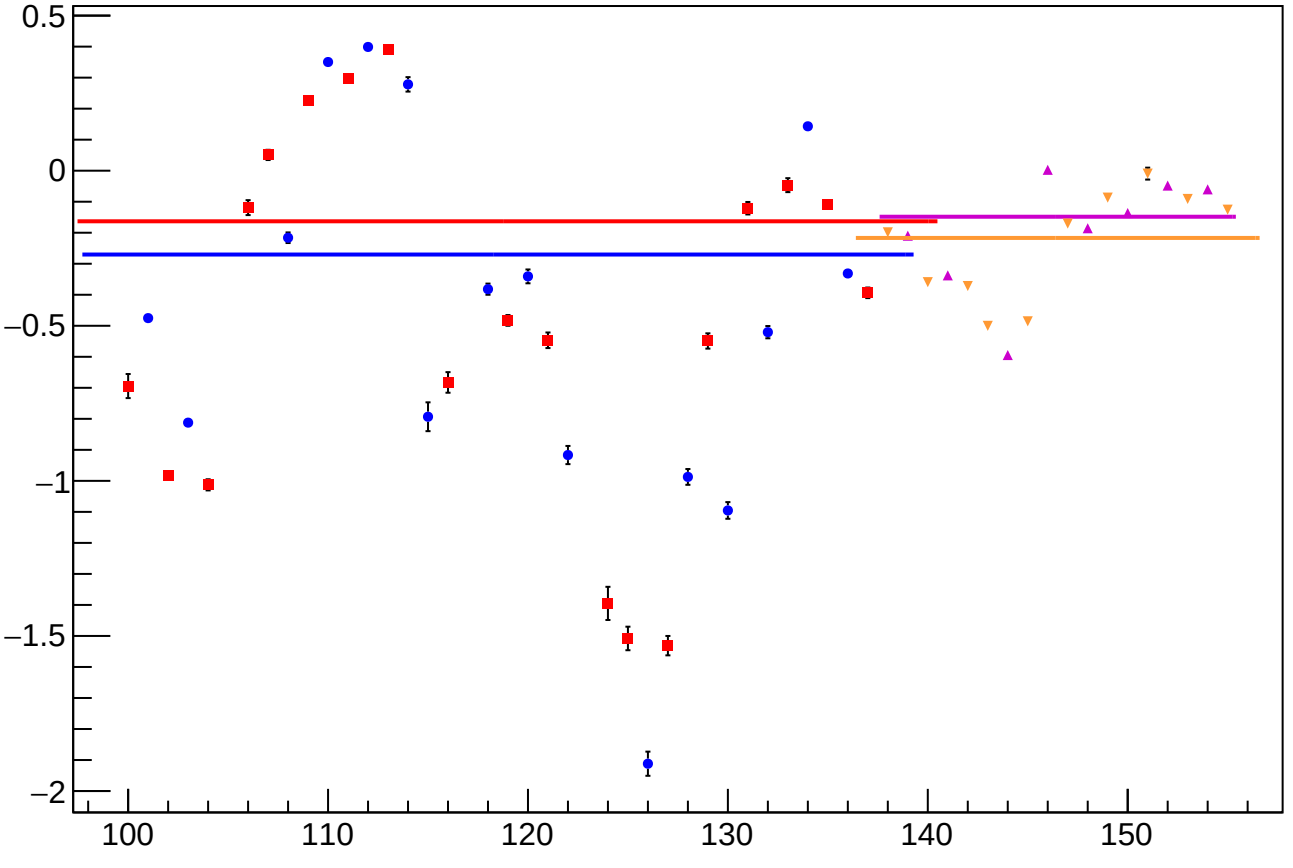
Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -0.389+/-0.048 χ^2/NDF:10304.9/23

Out: -0.610+/-0.049 χ^2/NDF:8218.9/28

All: -0.498+/-0.034 χ^2/NDF: 18534.2/52

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.217+/-0.003 χ^2/NDF:1948.2/9

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.148+/-0.003 χ^2/NDF:2393.3/7

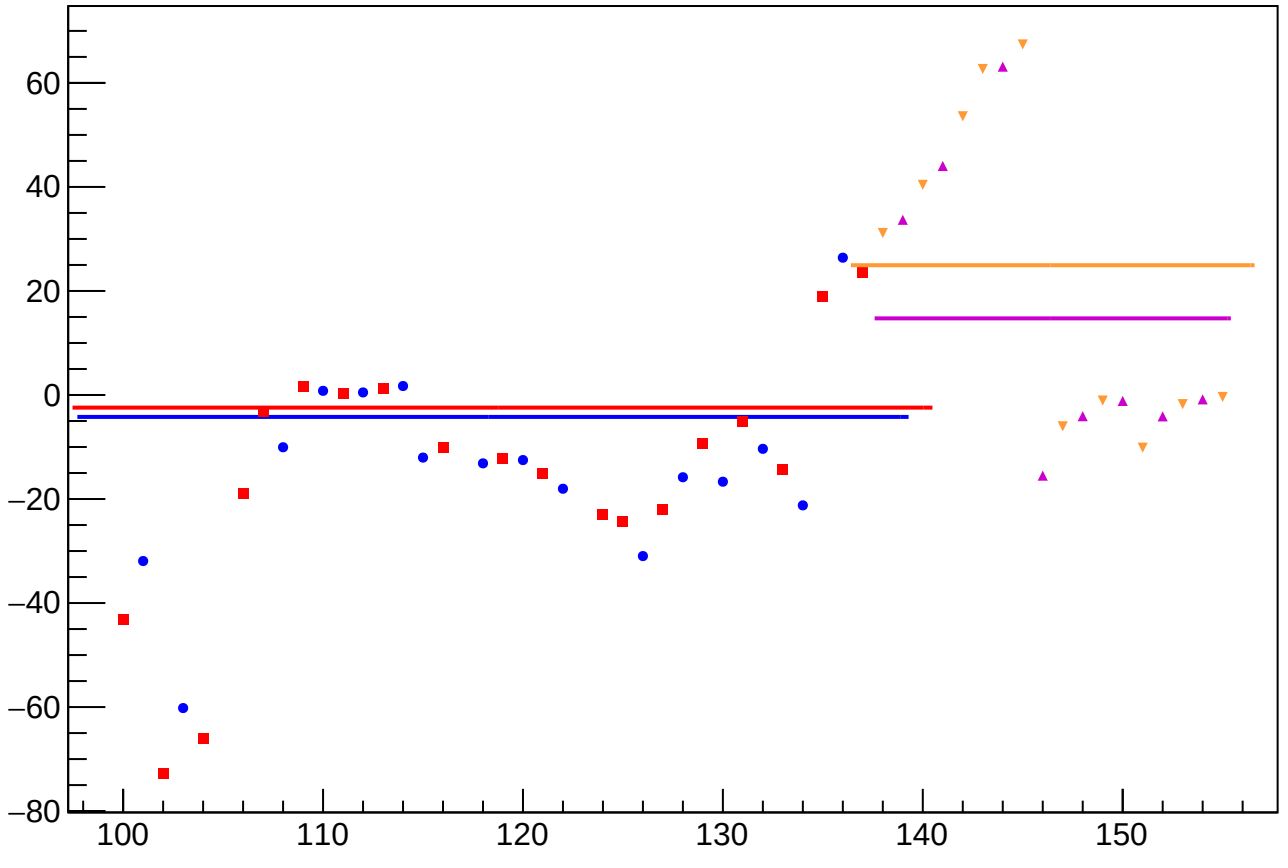
Left: -0.177+/-0.002 χ^2/NDF: 4581.3/17

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.188+/-0.002 χ^2/NDF:15015.2/23

Out: -0.193+/-0.003 χ^2/NDF:17571.1/28

All: -0.191+/-0.002 χ^2/NDF: 32588.3/52



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 24.950+/-0.088 χ^2/NDF:87593.3/9

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 14.733+/-0.081 χ^2/NDF:90414.2/7

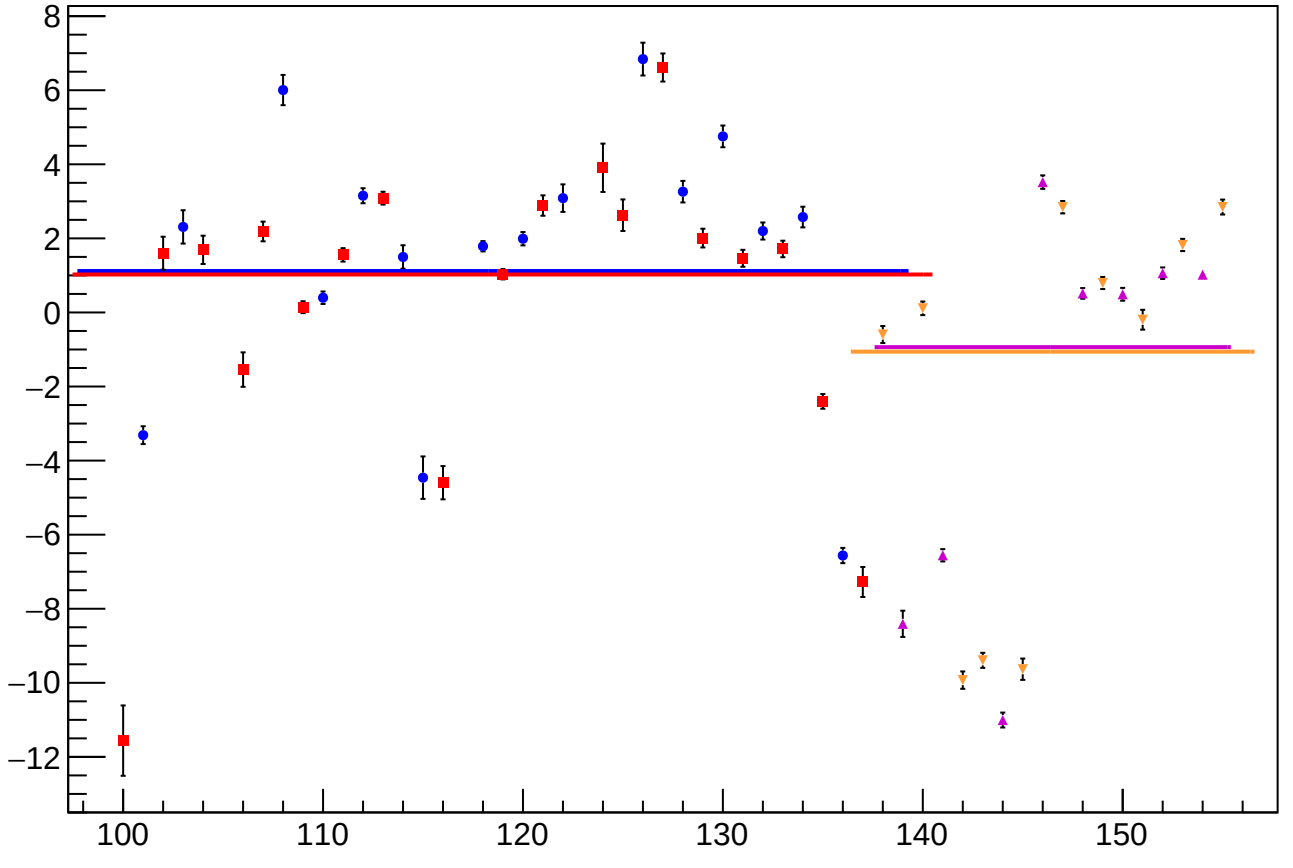
Left: 19.407+/-0.059 χ^2/NDF: 185341.7/17

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 1.752+/-0.045 χ^2/NDF:203397.2/23

Out: 3.498+/-0.041 χ^2/NDF:244383.1/28

All: 2.714+/-0.030 χ^2/NDF: 448599.3/52



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -1.059+/-0.063 χ^2/NDF:5392.0/9

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: -0.937+/-0.057 χ^2/NDF:5374.0/7

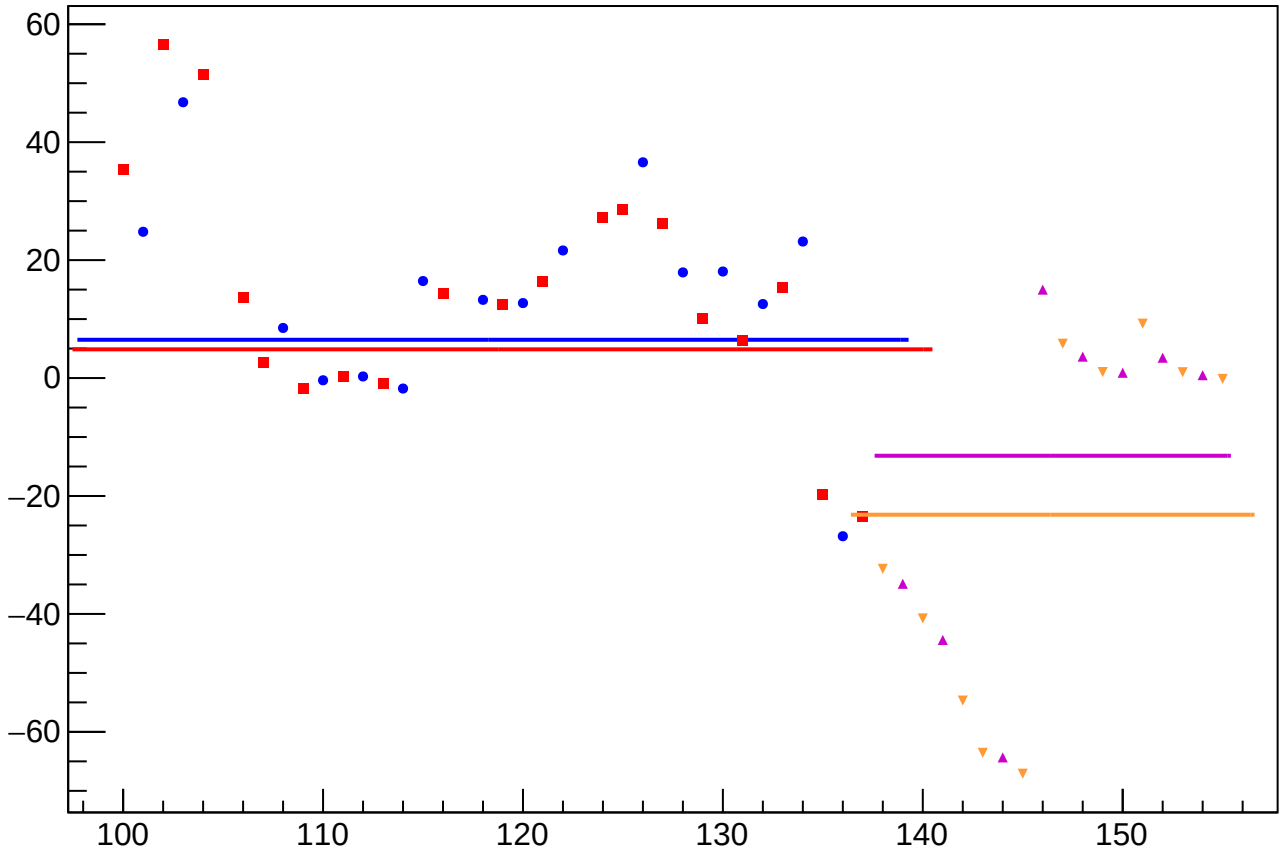
Left: -0.991+/-0.042 χ^2/NDF: 10768.0/17

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.023+/-0.041 χ^2/NDF:8582.1/23

Out: 0.084+/-0.042 χ^2/NDF:7601.9/28

All: 0.053+/-0.030 χ^2/NDF: 16185.1/52



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -23.174+/-0.087 χ^2/NDF:91089.8/9

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -13.175+/-0.078 χ^2/NDF:92560.6/7

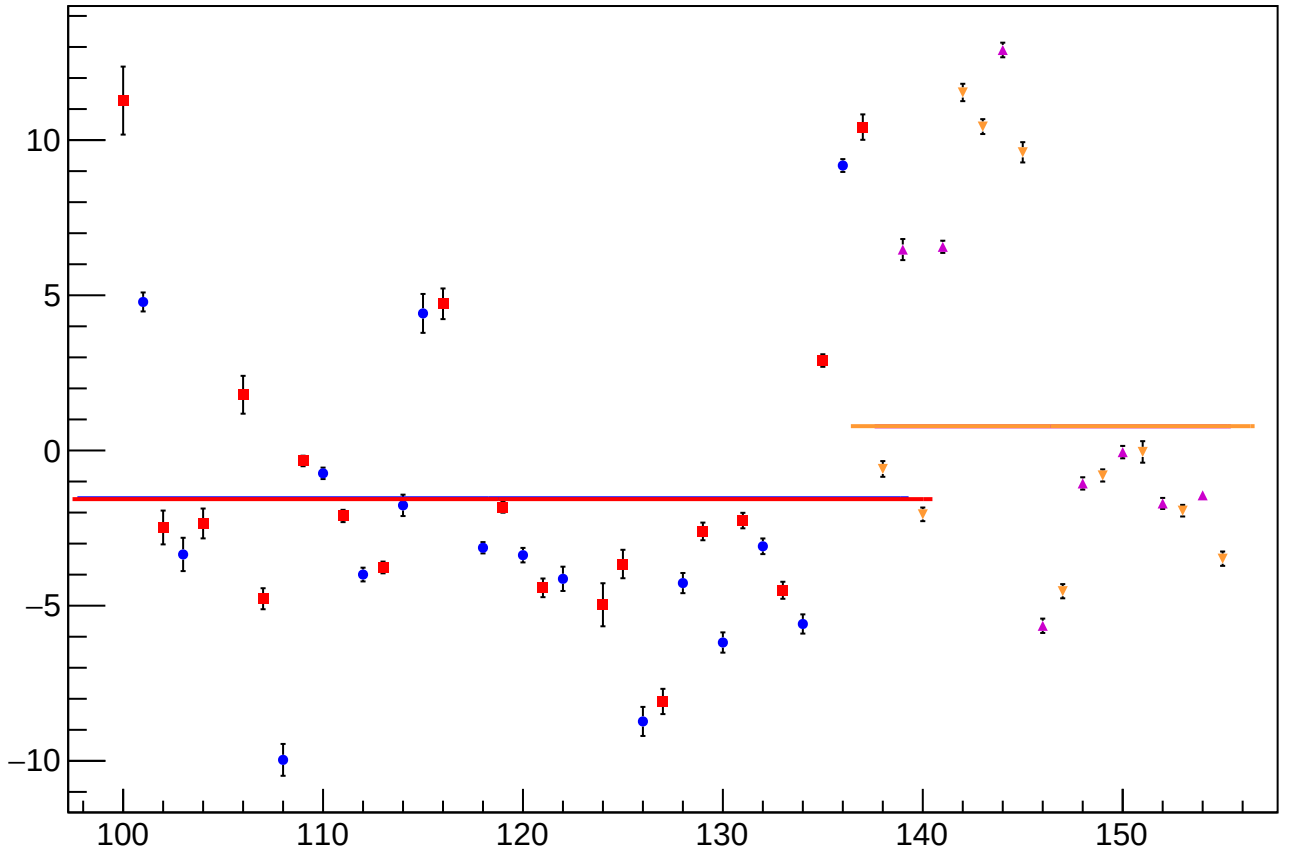
Left: -17.658+/-0.058 χ^2/NDF: 190997.0/17

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -1.588+/-0.050 χ^2/NDF:200538.9/23

Out: -4.055+/-0.049 χ^2/NDF:237771.7/28

All: -2.851+/-0.035 χ^2/NDF: 439554.0/52



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 0.783+/-0.075 χ^2/NDF:5186.7/9

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: 0.778+/-0.067 χ^2/NDF:5197.2/7

Left: 0.780+/-0.050 χ^2/NDF: 10383.9/17

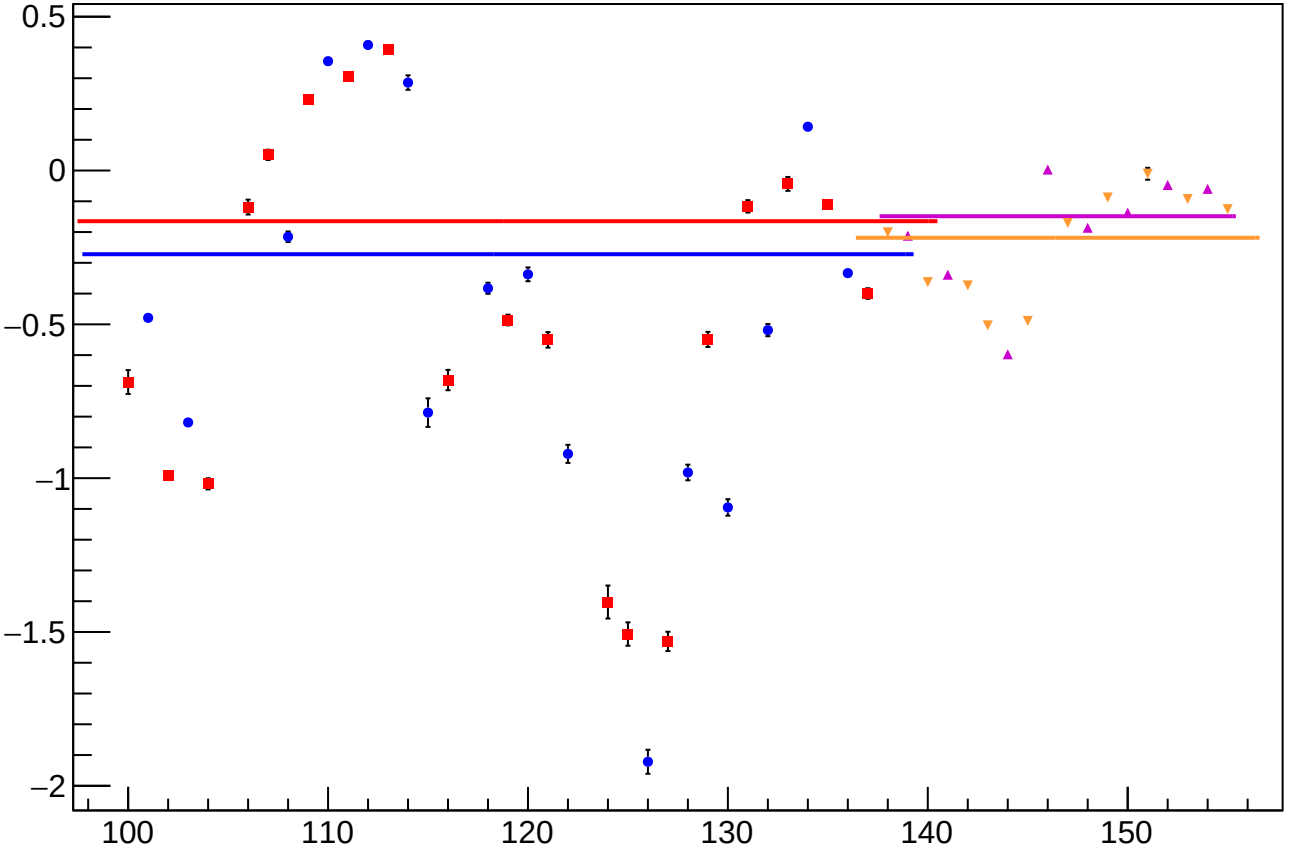
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -0.342+/-0.048 χ^2/NDF:10306.8/23

Out: -0.570+/-0.049 χ^2/NDF:8245.3/28

All: -0.454+/-0.034 χ^2/NDF: 18563.2/52

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.219+/-0.003 χ^2/NDF:1955.5/9

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.149+/-0.003 χ^2/NDF:2409.2/7

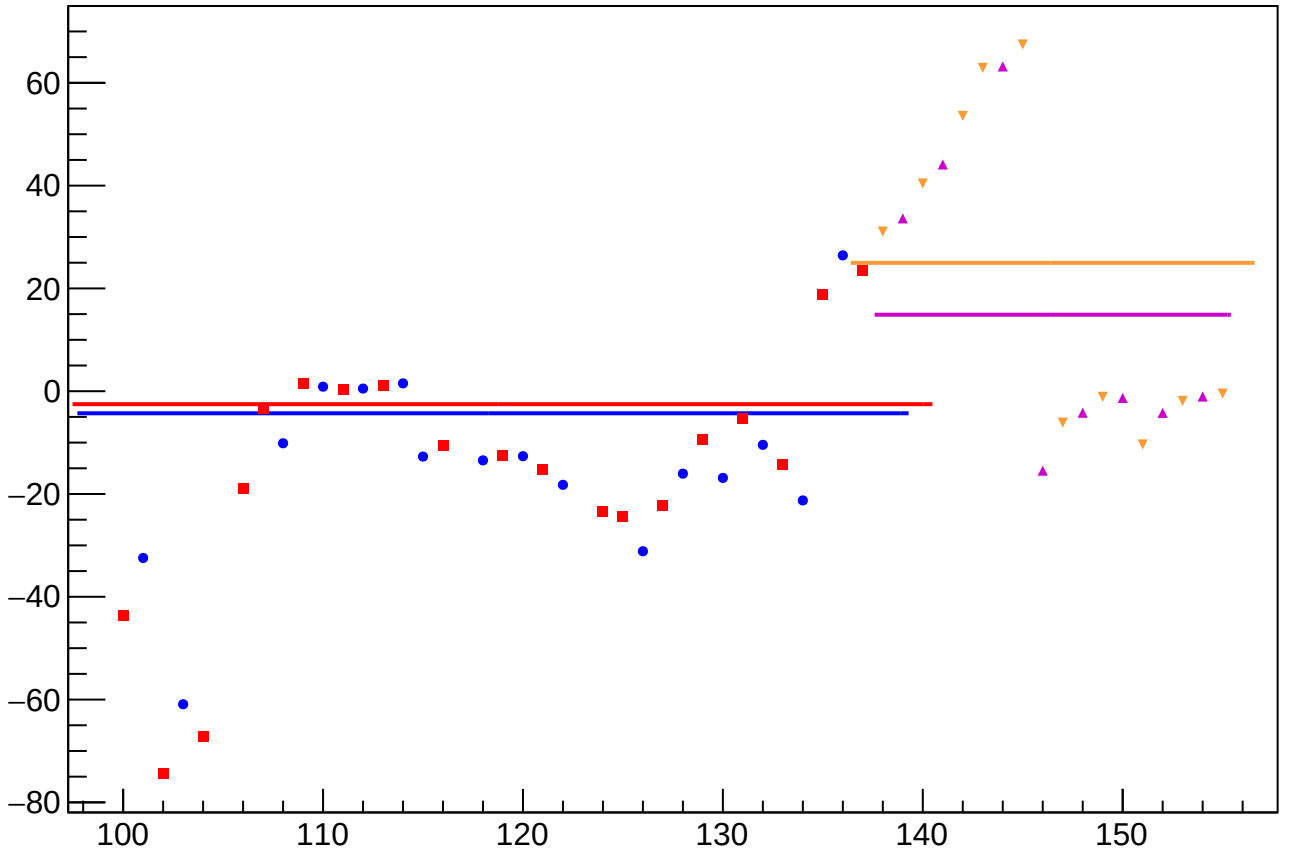
Left: -0.178+/-0.002 χ^2/NDF: 4613.9/17

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.189+/-0.002 χ^2/NDF:15067.8/23

Out: -0.195+/-0.003 χ^2/NDF:17558.6/28

All: -0.192+/-0.002 χ^2/NDF: 32629.6/52



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 24.976+/-0.089 χ^2/NDF:86408.2/9

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 14.882+/-0.082 χ^2/NDF:88685.0/7

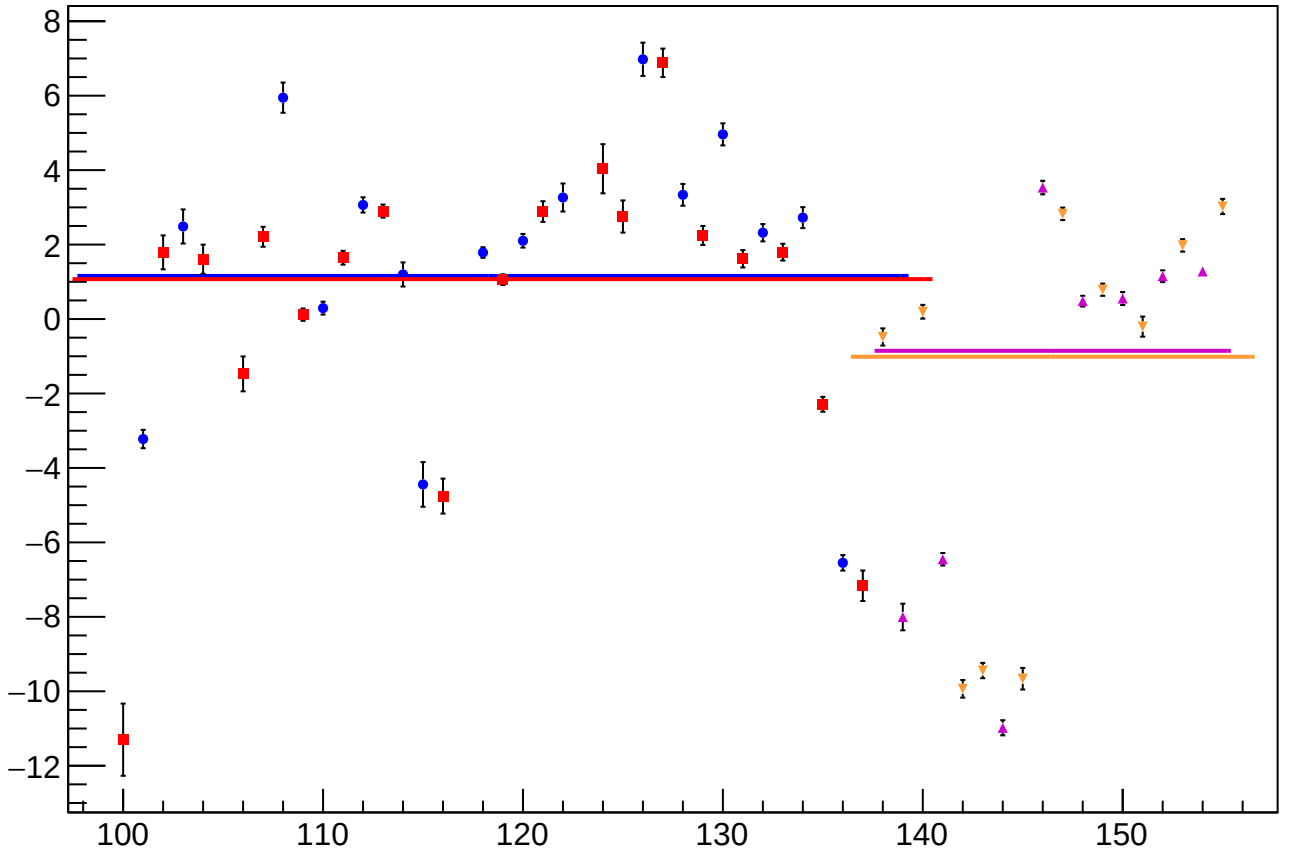
Left: 19.539+/-0.060 χ^2/NDF: 182060.1/17

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 1.751+/-0.046 χ^2/NDF:200233.4/23

Out: 3.545+/-0.042 χ^2/NDF:241115.7/28

All: 2.738+/-0.031 χ^2/NDF: 442181.8/52



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: -1.013+/-0.064 χ^2/NDF:5382.0/9

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: -0.853+/-0.058 χ^2/NDF:5267.0/7

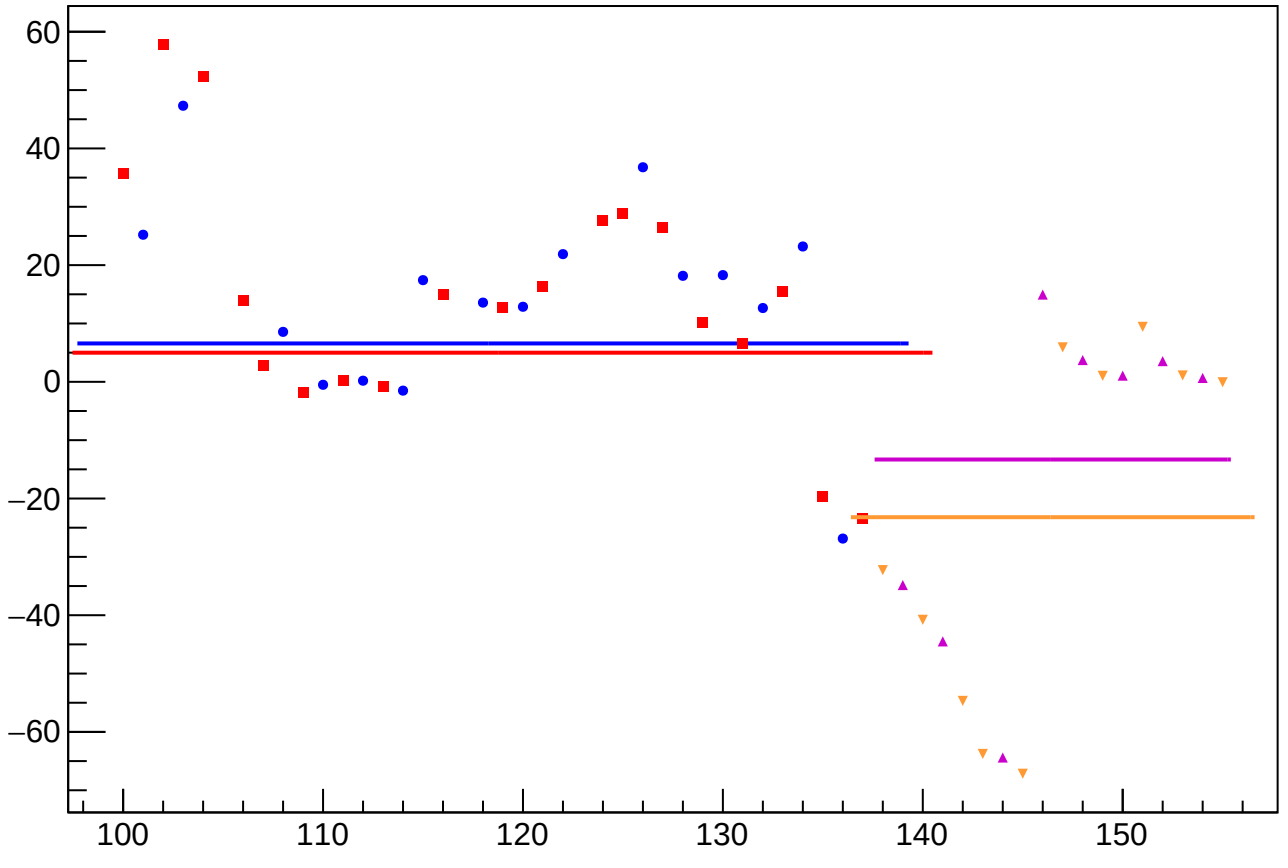
Left: -0.925+/-0.043 χ^2/NDF: 10652.5/17

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.086+/-0.042 χ^2/NDF:8386.6/23

Out: 0.121+/-0.043 χ^2/NDF:7516.0/28

All: 0.103+/-0.030 χ^2/NDF: 15903.0/52



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -23.202+/-0.088 χ^2/NDF:89816.9/9

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -13.316+/-0.080 χ^2/NDF:90813.8/7

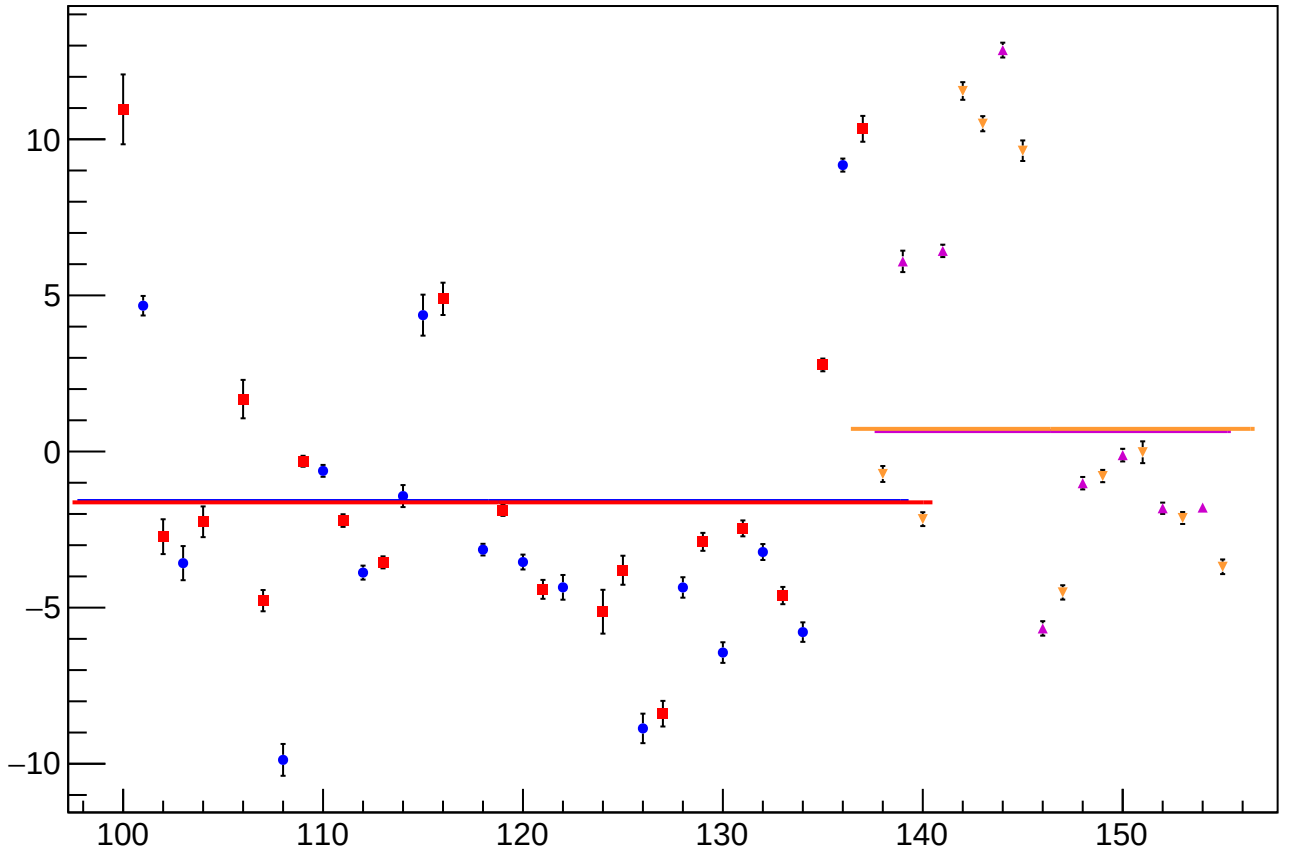
Left: -17.788+/-0.059 χ^2/NDF: 187616.8/17

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -1.589+/-0.051 χ^2/NDF:197402.4/23

Out: -4.107+/-0.050 χ^2/NDF:234552.2/28

All: -2.879+/-0.036 χ^2/NDF: 433204.6/52



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 0.726+/-0.076 χ^2/NDF:5187.4/9

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: 0.654+/-0.069 χ^2/NDF:5115.7/7

Left: 0.686+/-0.051 χ^2/NDF: 10303.5/17

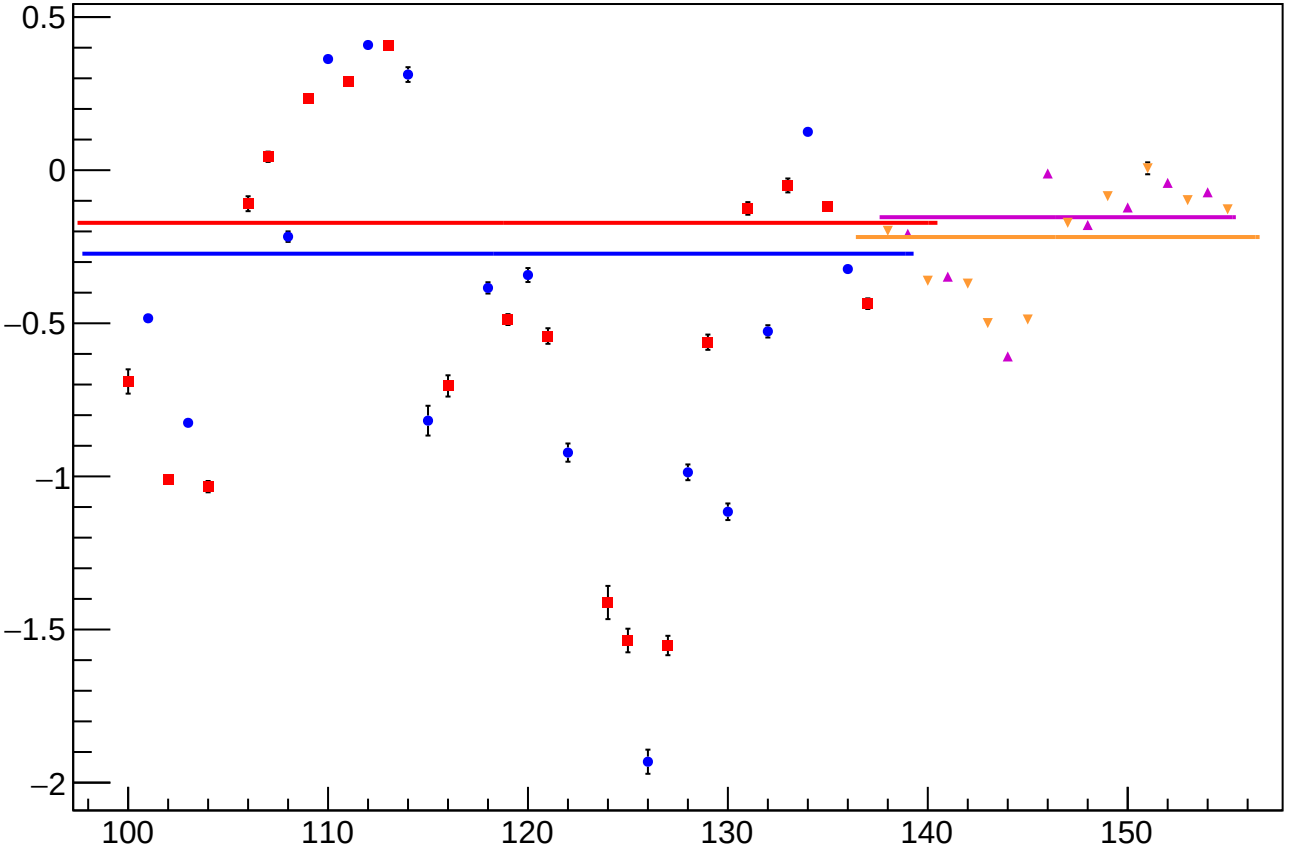
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -0.429+/-0.049 χ^2/NDF:10105.1/23

Out: -0.620+/-0.050 χ^2/NDF:8157.3/28

All: -0.523+/-0.035 χ^2/NDF: 18269.8/52

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: -0.218+/-0.003 χ^2/NDF:1887.1/9

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.154+/-0.003 χ^2/NDF:2352.4/7

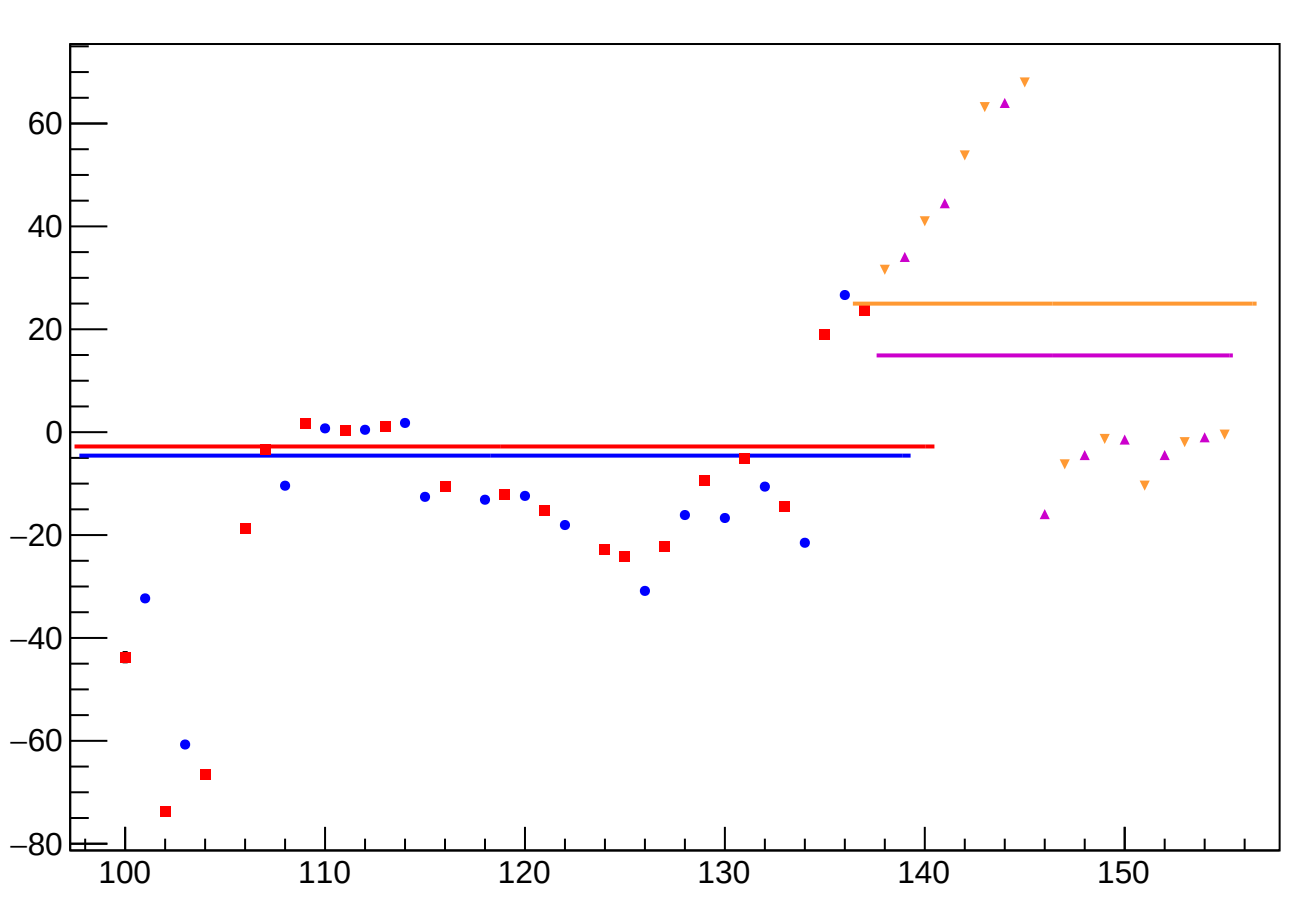
Left: -0.181+/-0.002 χ^2/NDF: 4446.7/17

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.193+/-0.002 χ^2/NDF:14744.5/23

Out: -0.198+/-0.003 χ^2/NDF:17290.5/28

All: -0.195+/-0.002 χ^2/NDF: 32037.4/52



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 24.987+/-0.090 χ^2/NDF:85820.3/9

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 14.917+/-0.084 χ^2/NDF:87970.4/7

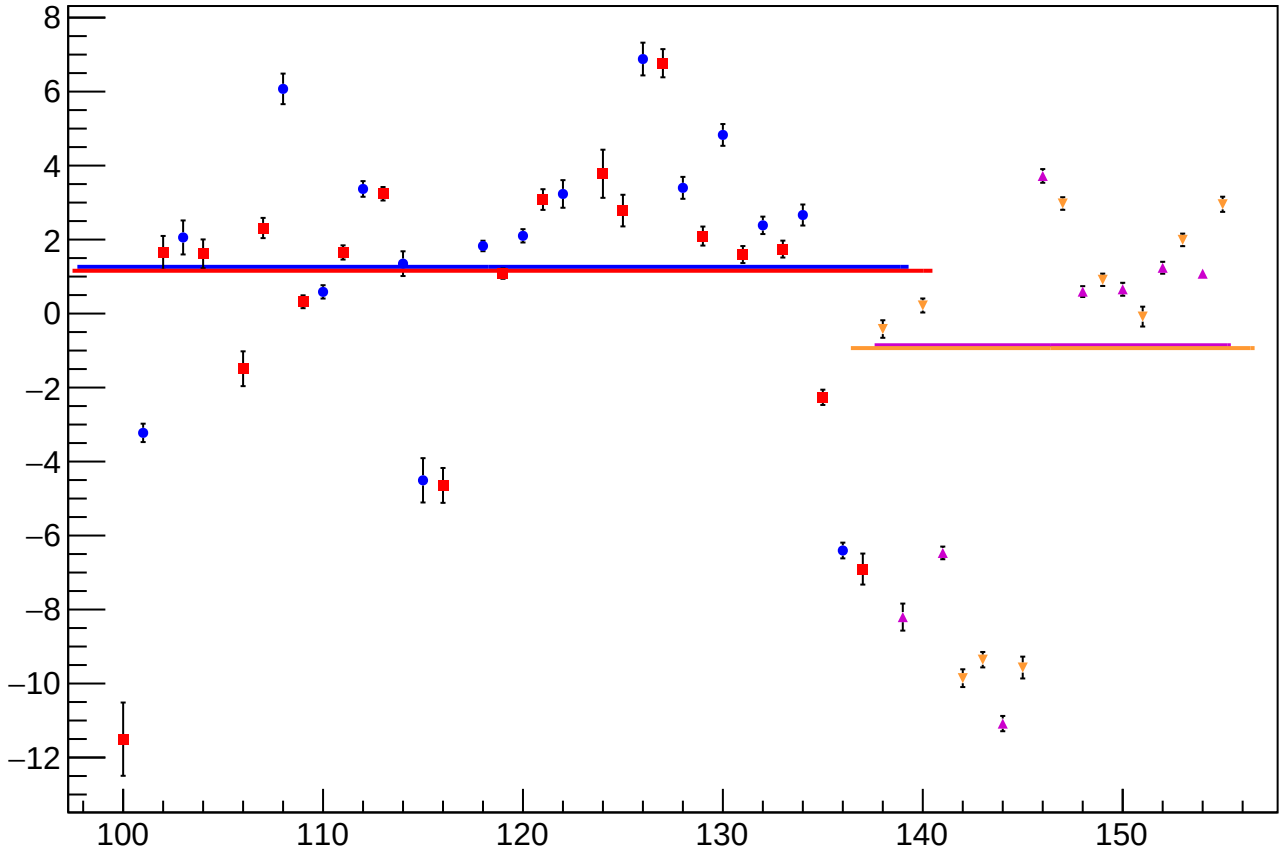
Left: 19.572+/-0.061 χ^2/NDF: 180501.2/17

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 1.597+/-0.047 χ^2/NDF:197749.6/23

Out: 3.455+/-0.043 χ^2/NDF:237298.0/28

All: 2.614+/-0.032 χ^2/NDF: 435904.4/52



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -0.933+/-0.065 χ^2/NDF:5222.4/9

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: -0.857+/-0.059 χ^2/NDF:5179.1/7

Left: -0.891+/-0.043 χ^2/NDF: 10402.3/17

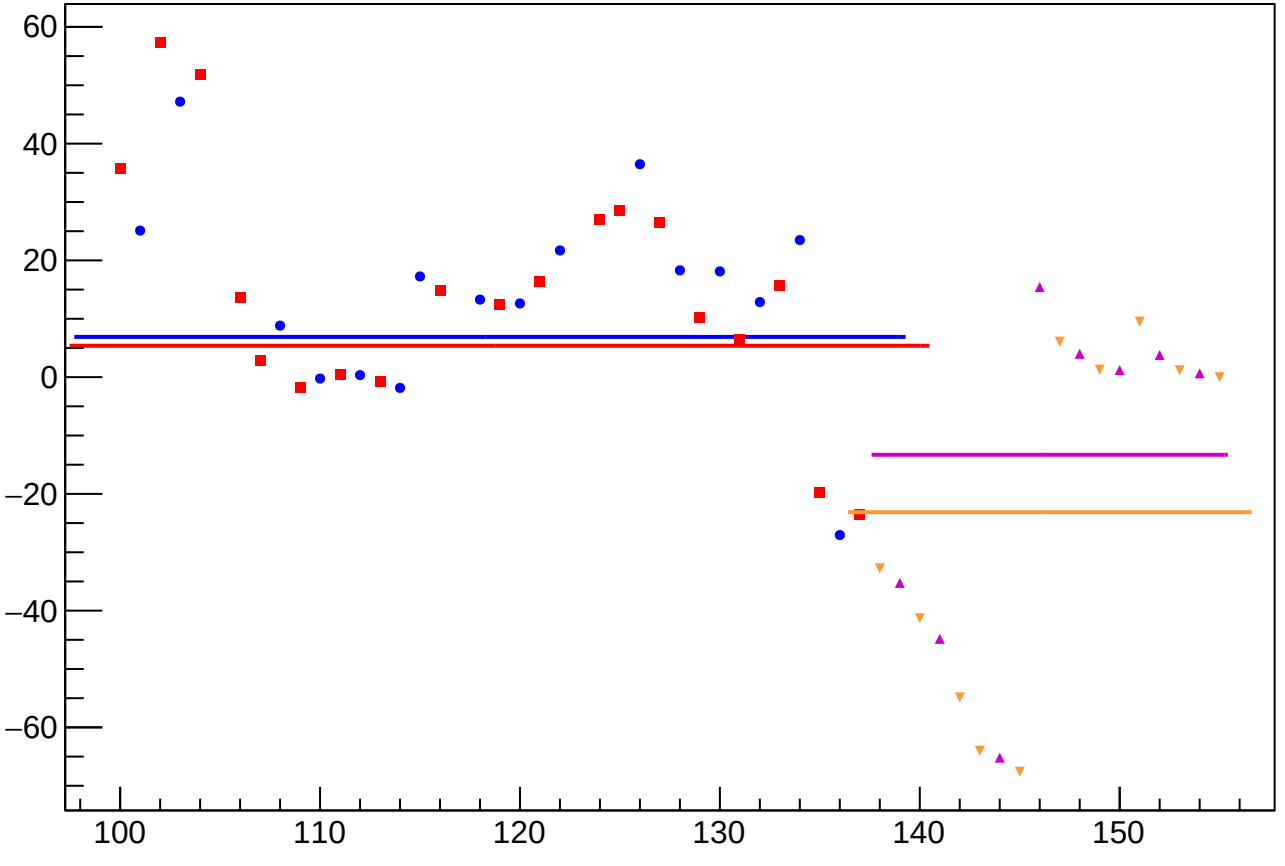
Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.142+/-0.043 χ^2/NDF:8240.8/23

Out: 0.204+/-0.044 χ^2/NDF:7283.4/28

All: 0.172+/-0.030 χ^2/NDF: 15525.2/52

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -23.137+/-0.089 χ^2/NDF:89122.5/9

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -13.299+/-0.081 χ^2/NDF:90017.2/7

Left: -17.760+/-0.060 χ^2/NDF: 185840.0/17

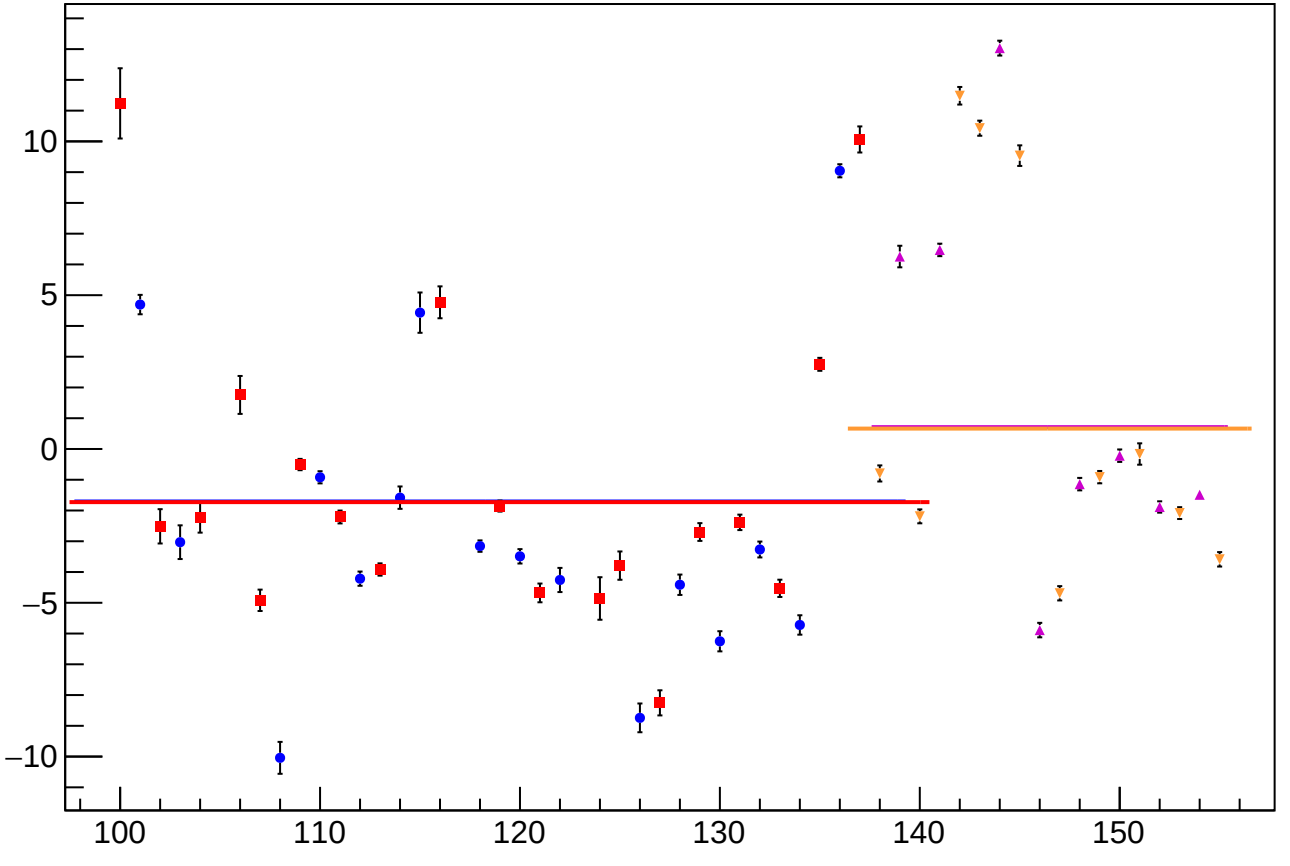
Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -1.369+/-0.052 χ^2/NDF:194840.9/23

Out: -3.895+/-0.051 χ^2/NDF:230868.4/28

All: -2.659+/-0.036 χ^2/NDF: 426924.7/52

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 0.663+/-0.077 χ^2/NDF:5030.0/9

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: 0.710+/-0.070 χ^2/NDF:5027.6/7

Left: 0.689+/-0.052 χ^2/NDF: 10057.8/17

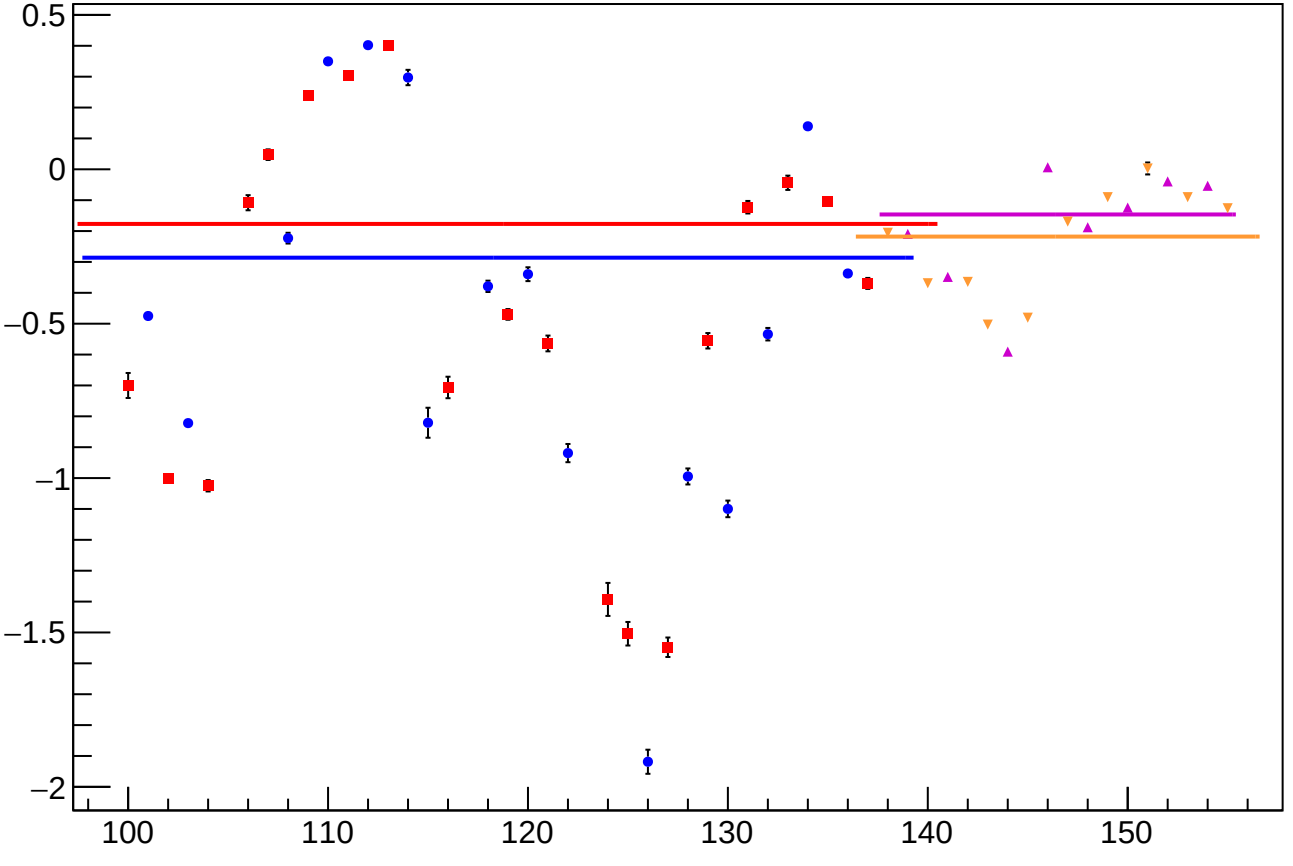
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -0.466+/-0.050 χ^2/NDF:9903.4/23

Out: -0.701+/-0.050 χ^2/NDF:7888.6/28

All: -0.582+/-0.036 χ^2/NDF: 17802.9/52

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: -0.218+/-0.003 χ^2/NDF:1864.5/9

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.146+/-0.003 χ^2/NDF:2338.9/7

Left: -0.177+/-0.002 χ^2/NDF: 4448.9/17

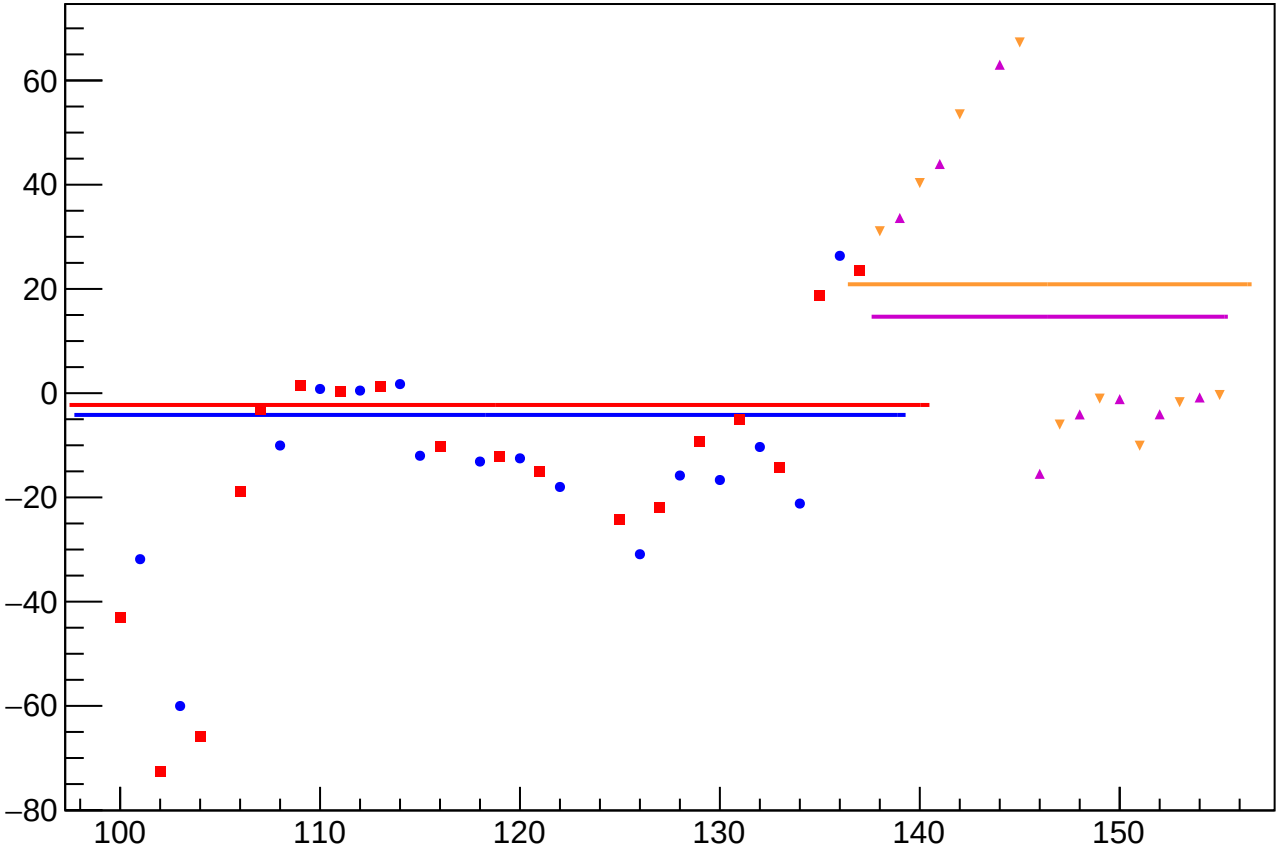
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.192+/-0.002 χ^2/NDF:14416.7/23

Out: -0.200+/-0.003 χ^2/NDF:16693.4/28

All: -0.196+/-0.002 χ^2/NDF: 31114.9/52

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: 20.894+/-0.092 χ^2/NDF:68071.0/8

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 14.672+/-0.080 χ^2/NDF:90644.9/7

Left: 17.361+/-0.061 χ^2/NDF: 161306.1/16

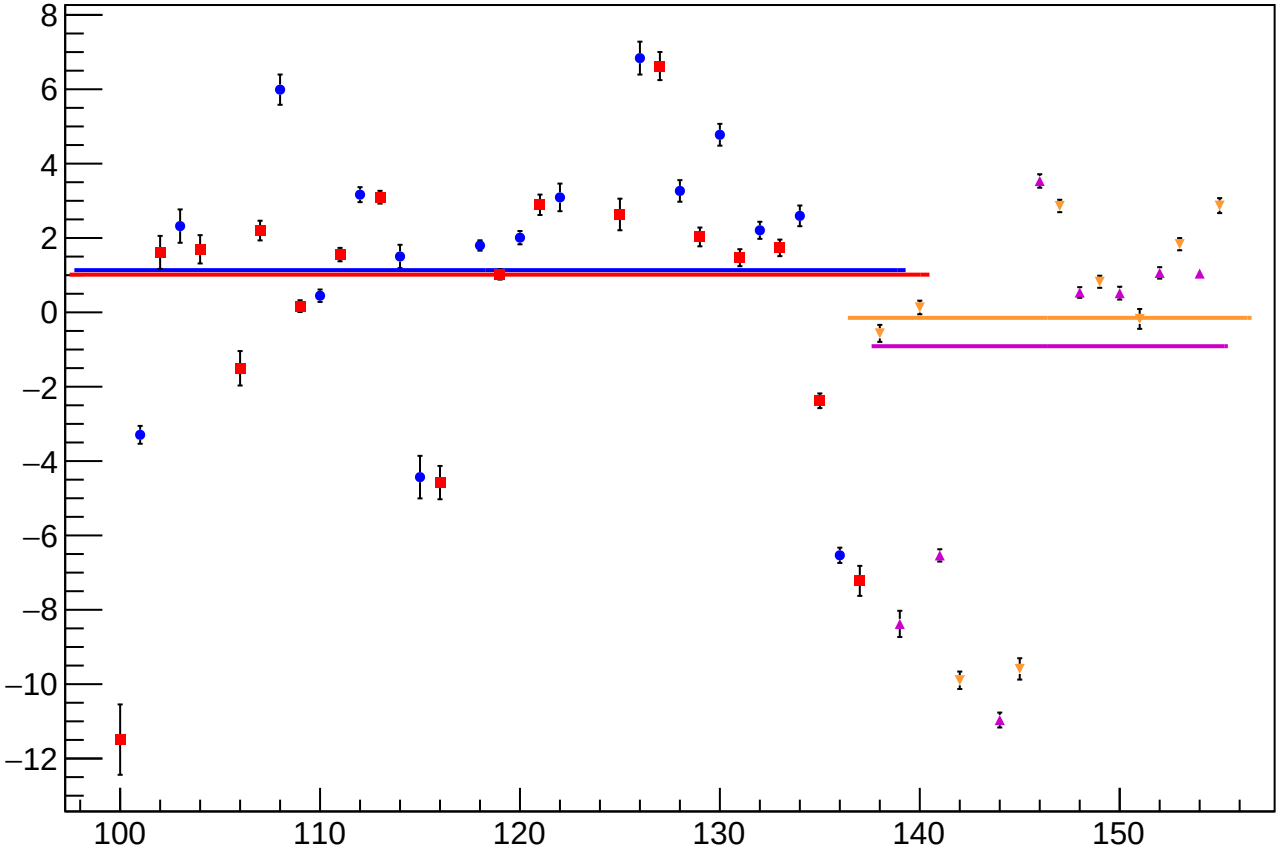
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 1.756+/-0.045 χ^2/NDF:203727.4/23

Out: 2.365+/-0.041 χ^2/NDF:198237.7/26

All: 2.088+/-0.030 χ^2/NDF: 402064.7/50

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: -0.148+/-0.066 χ^2/NDF:3545.8/8

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -0.910+/-0.056 χ^2/NDF:5391.2/7

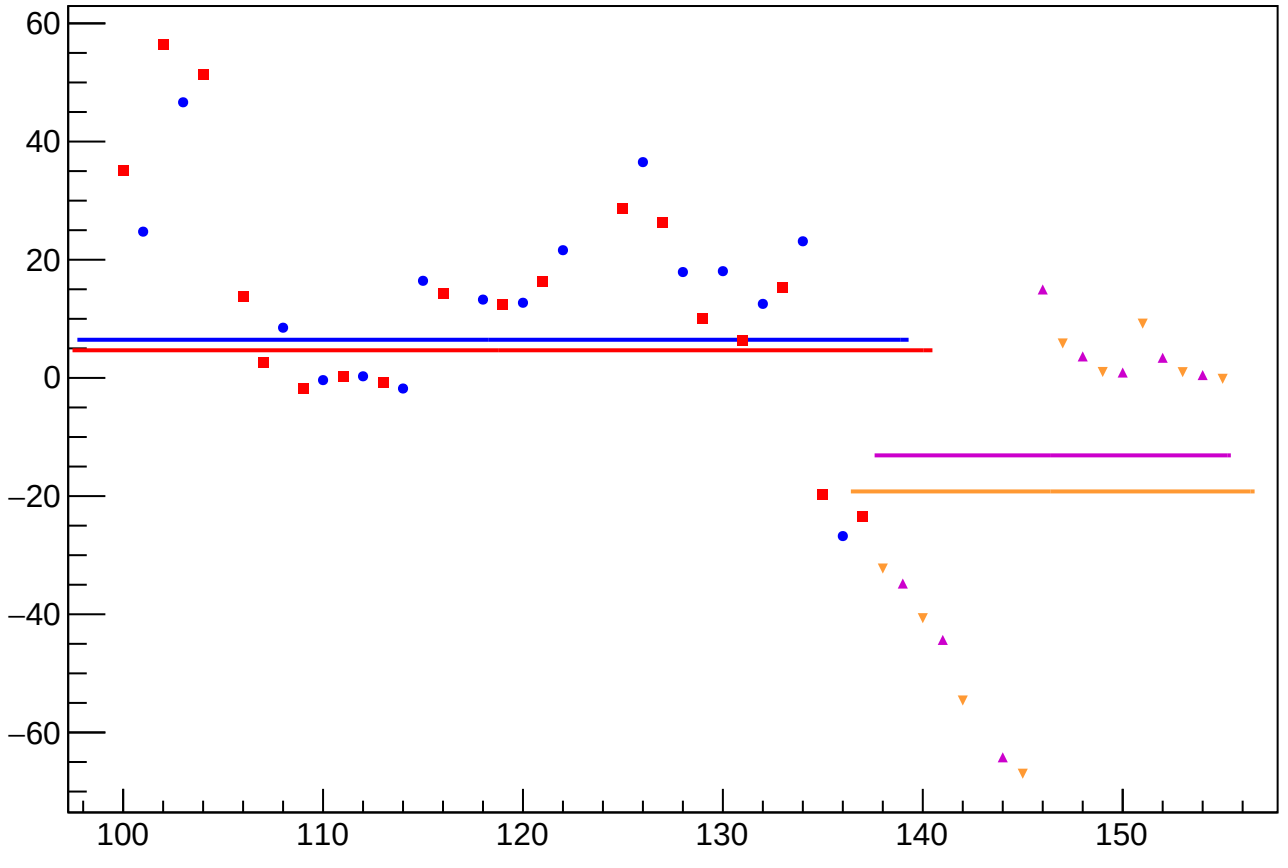
Left: -0.590+/-0.043 χ^2/NDF: 9014.1/16

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.045+/-0.041 χ^2/NDF:8602.9/23

Out: 0.517+/-0.043 χ^2/NDF:5315.1/26

All: 0.269+/-0.030 χ^2/NDF: 13980.7/50



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -19.211+/-0.090 χ^2/NDF:70126.5/8

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -13.107+/-0.078 χ^2/NDF:92783.4/7

Left: -15.701+/-0.059 χ^2/NDF: 165527.3/16

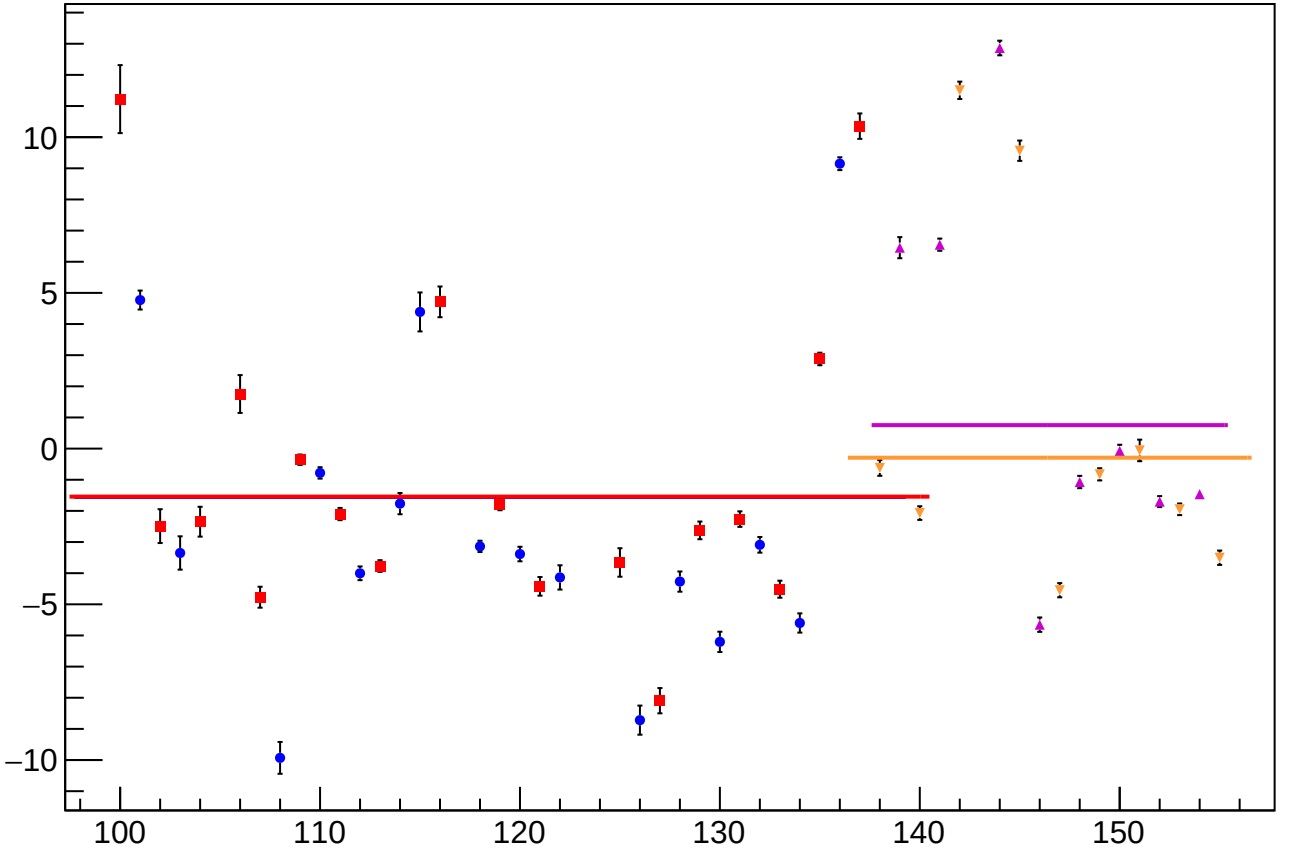
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -1.582+/-0.050 χ^2/NDF:200852.9/23

Out: -2.467+/-0.049 χ^2/NDF:193417.1/26

All: -2.028+/-0.035 χ^2/NDF: 394428.6/50

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: -0.292+/-0.079 χ^2/NDF:3397.2/8

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 0.754+/-0.067 χ^2/NDF:5212.3/7

Left: 0.317+/-0.051 χ^2/NDF: 8711.6/16

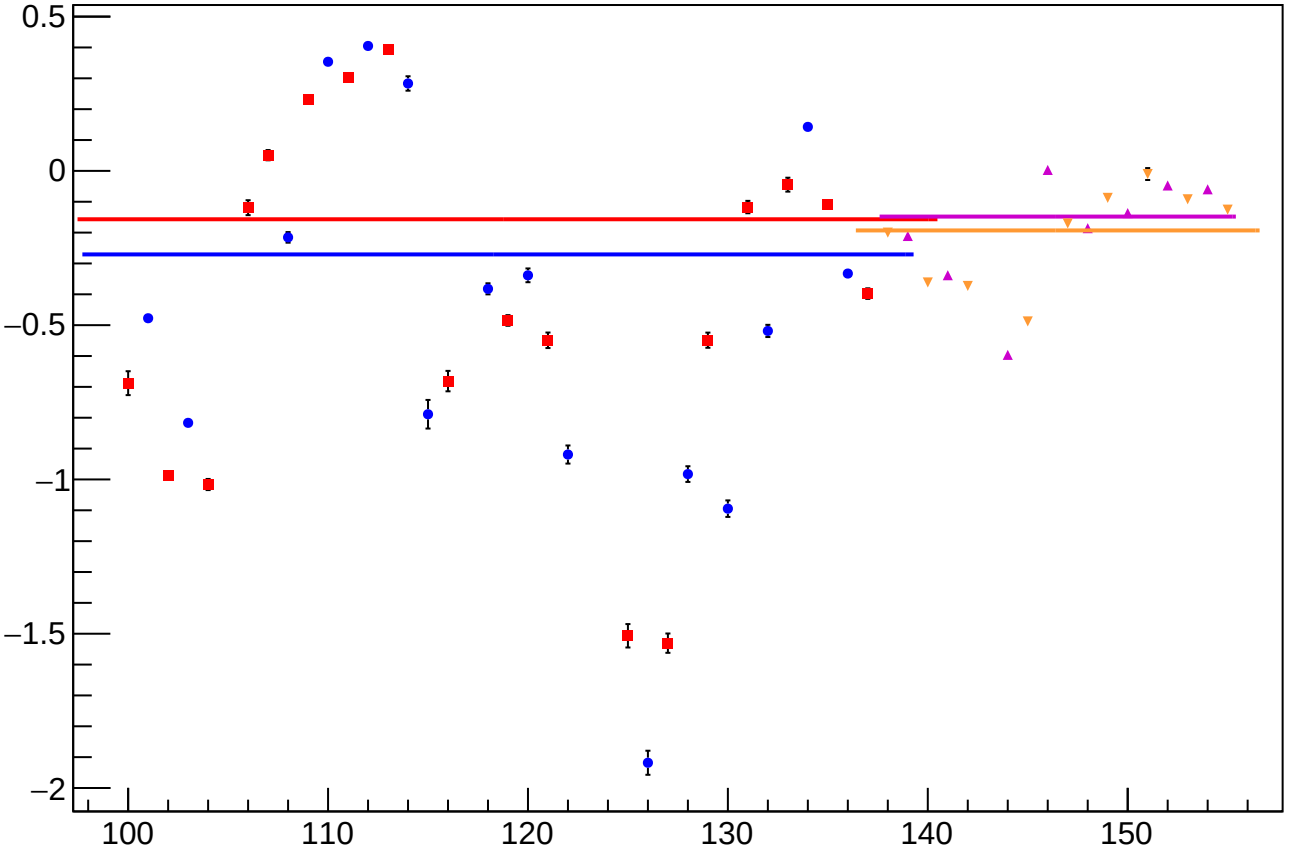
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -0.359+/-0.048 χ^2/NDF:10328.5/23

Out: -1.042+/-0.050 χ^2/NDF:6020.4/26

All: -0.688+/-0.035 χ^2/NDF: 16445.9/50

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.193+/-0.003 χ^2/NDF:1330.5/8

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.148+/-0.003 χ^2/NDF:2412.7/7

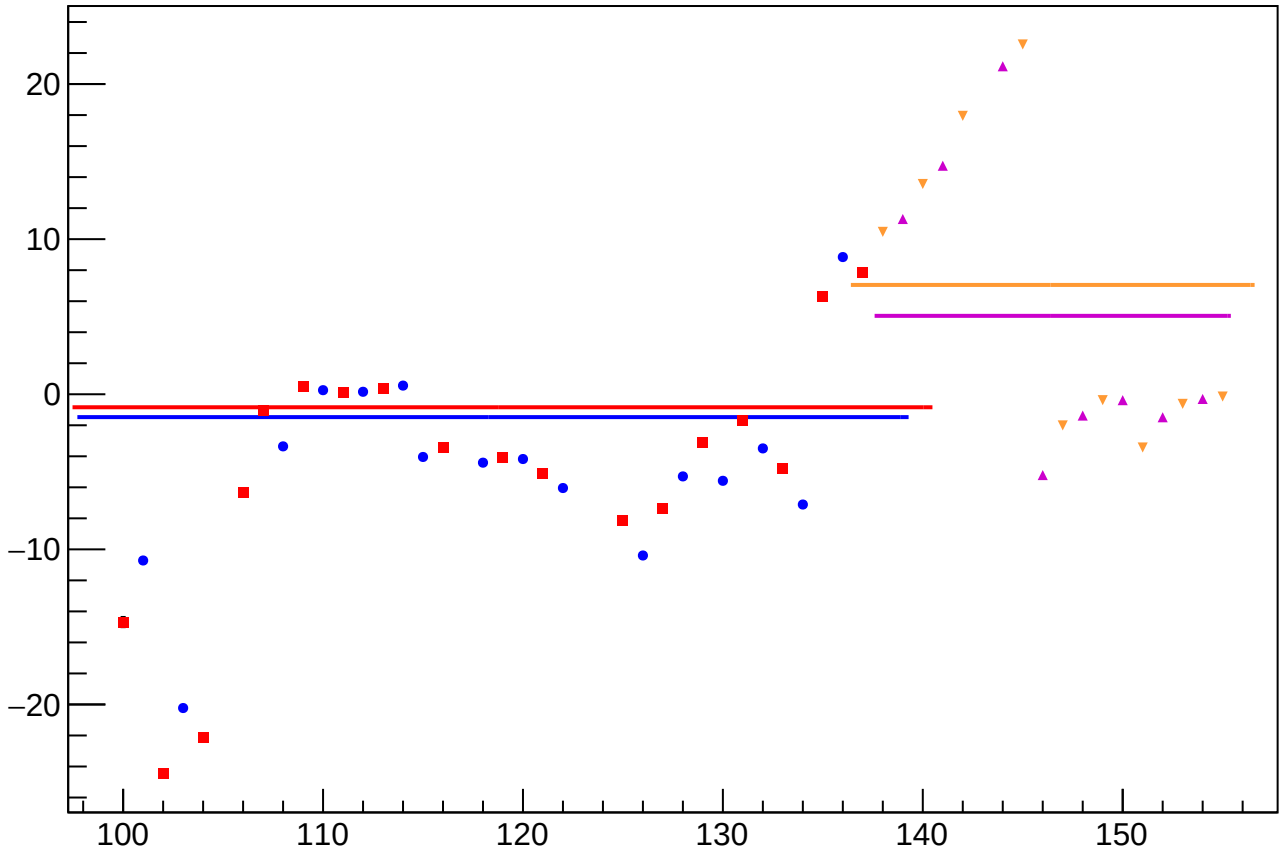
Left: -0.166+/-0.002 χ^2/NDF: 3841.7/16

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.188+/-0.002 χ^2/NDF:15100.4/23

Out: -0.176+/-0.003 χ^2/NDF:16398.7/26

All: -0.183+/-0.002 χ^2/NDF: 31510.2/50



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 7.049+/-0.031 χ^2/NDF:66913.1/8

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 5.056+/-0.028 χ^2/NDF:88135.0/7

Left: 5.927+/-0.021 χ^2/NDF: 157323.9/16

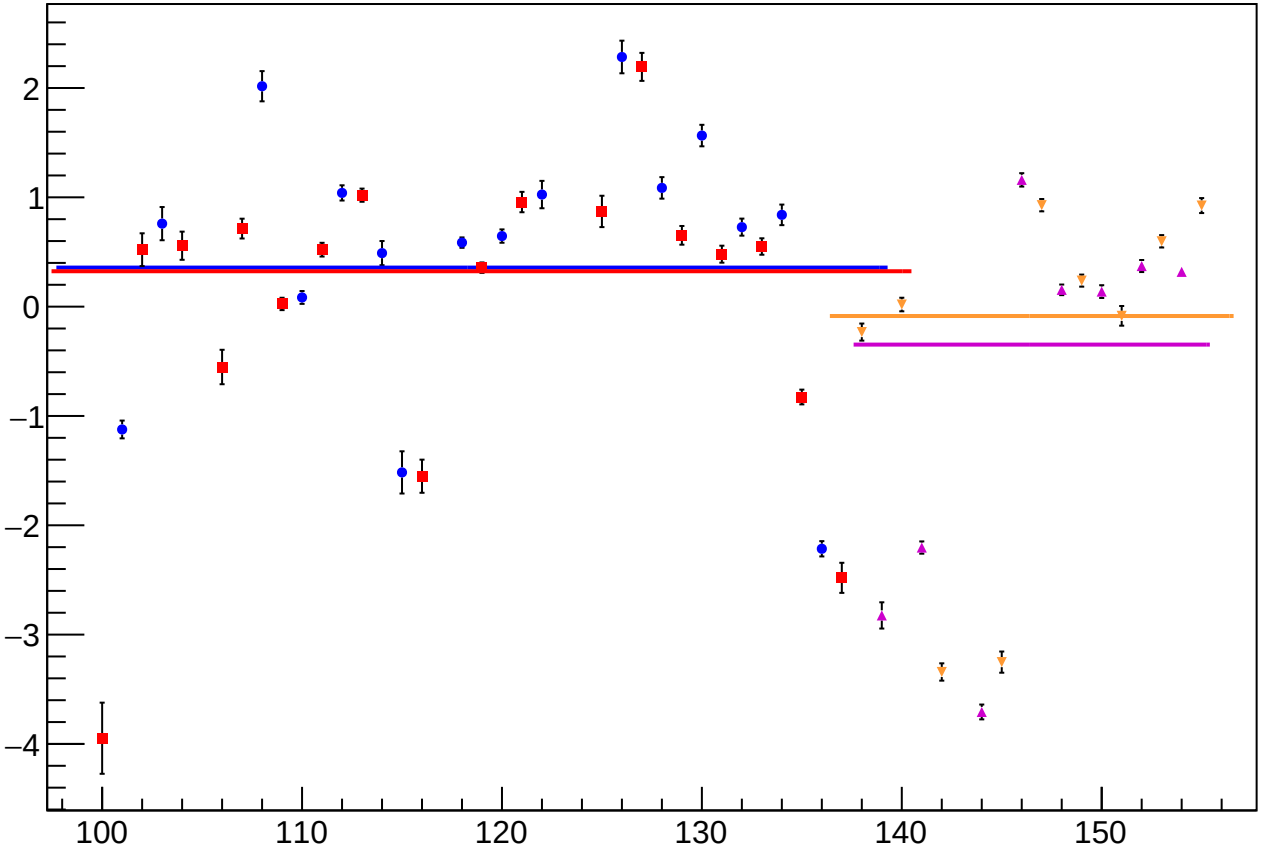
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.584+/-0.016 χ^2/NDF:200120.7/23

Out: 0.797+/-0.014 χ^2/NDF:195117.0/26

All: 0.699+/-0.011 χ^2/NDF: 395340.0/50

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: -0.086+/-0.022 χ^2/NDF:3481.9/8

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -0.347+/-0.019 χ^2/NDF:5252.5/7

Left: -0.236+/-0.015 χ^2/NDF: 8812.0/16

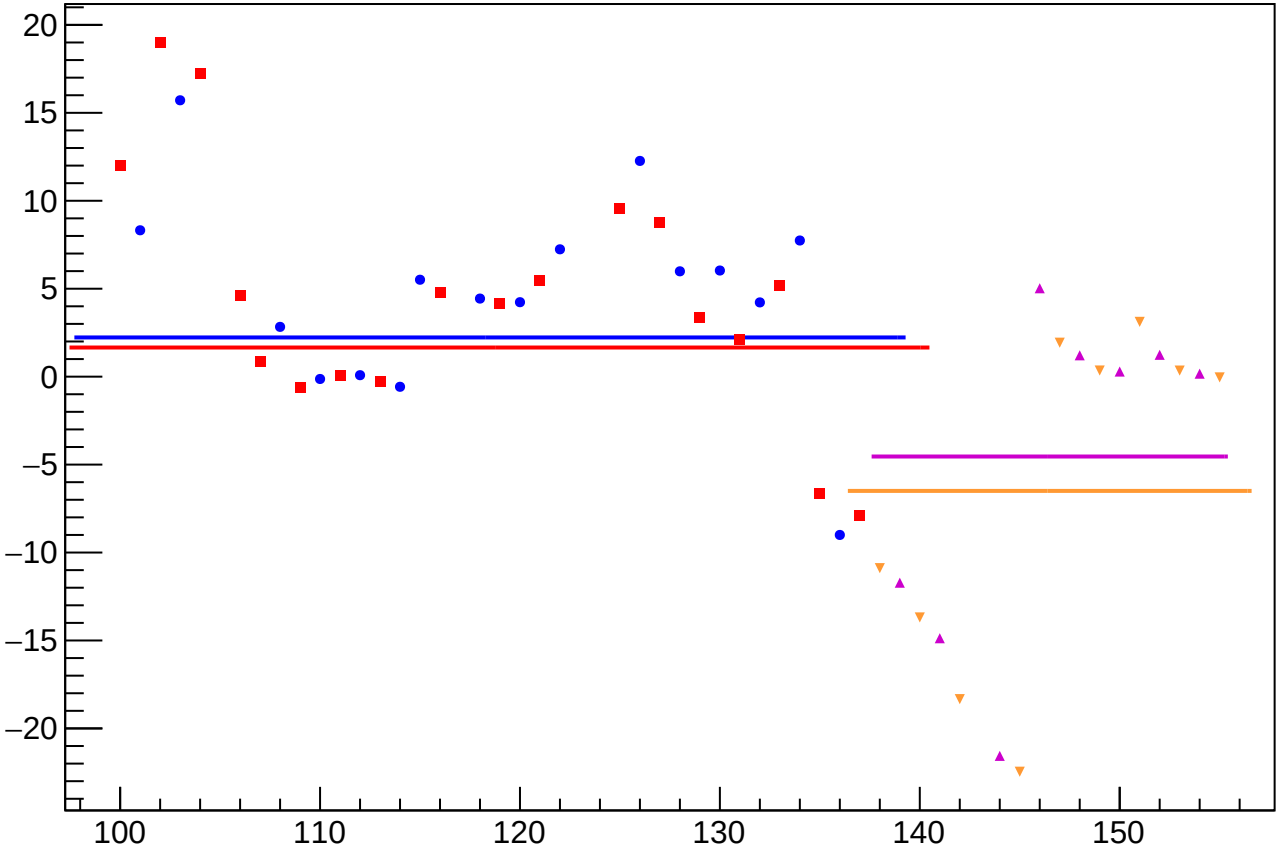
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: -0.016+/-0.014 χ^2/NDF:8416.6/23

Out: 0.146+/-0.015 χ^2/NDF:5228.4/26

All: 0.061+/-0.010 χ^2/NDF: 13708.0/50

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -6.495+/-0.031 χ^2/NDF:68949.4/8

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -4.540+/-0.027 χ^2/NDF:90338.3/7

Left: -5.382+/-0.020 χ^2/NDF: 161585.6/16

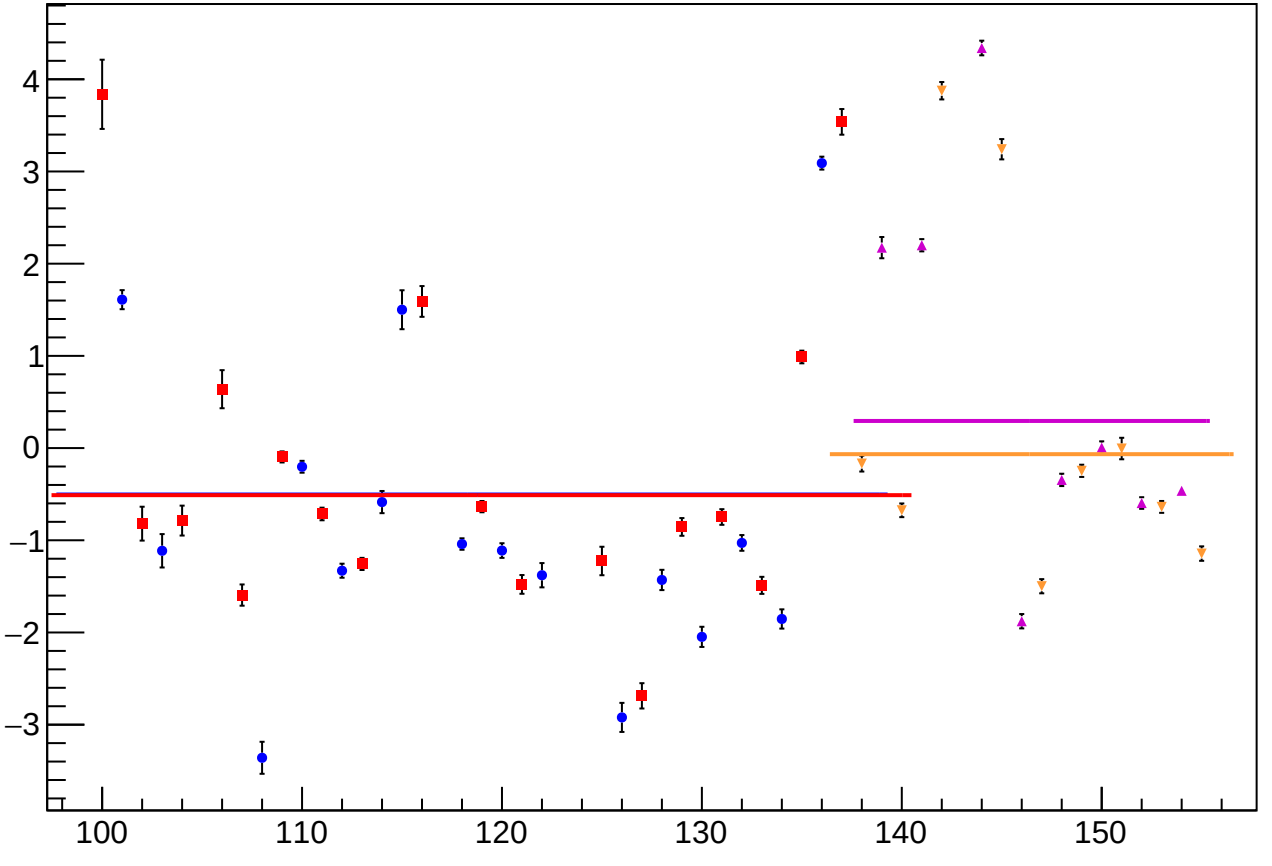
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.538+/-0.017 χ^2/NDF:197339.5/23

Out: -0.839+/-0.017 χ^2/NDF:190419.0/26

All: -0.690+/-0.012 χ^2/NDF: 387914.2/50

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: -0.066+/-0.027 χ^2/NDF:3339.0/8

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 0.294+/-0.023 χ^2/NDF:5086.1/7

Left: 0.141+/-0.018 χ^2/NDF: 8528.7/16

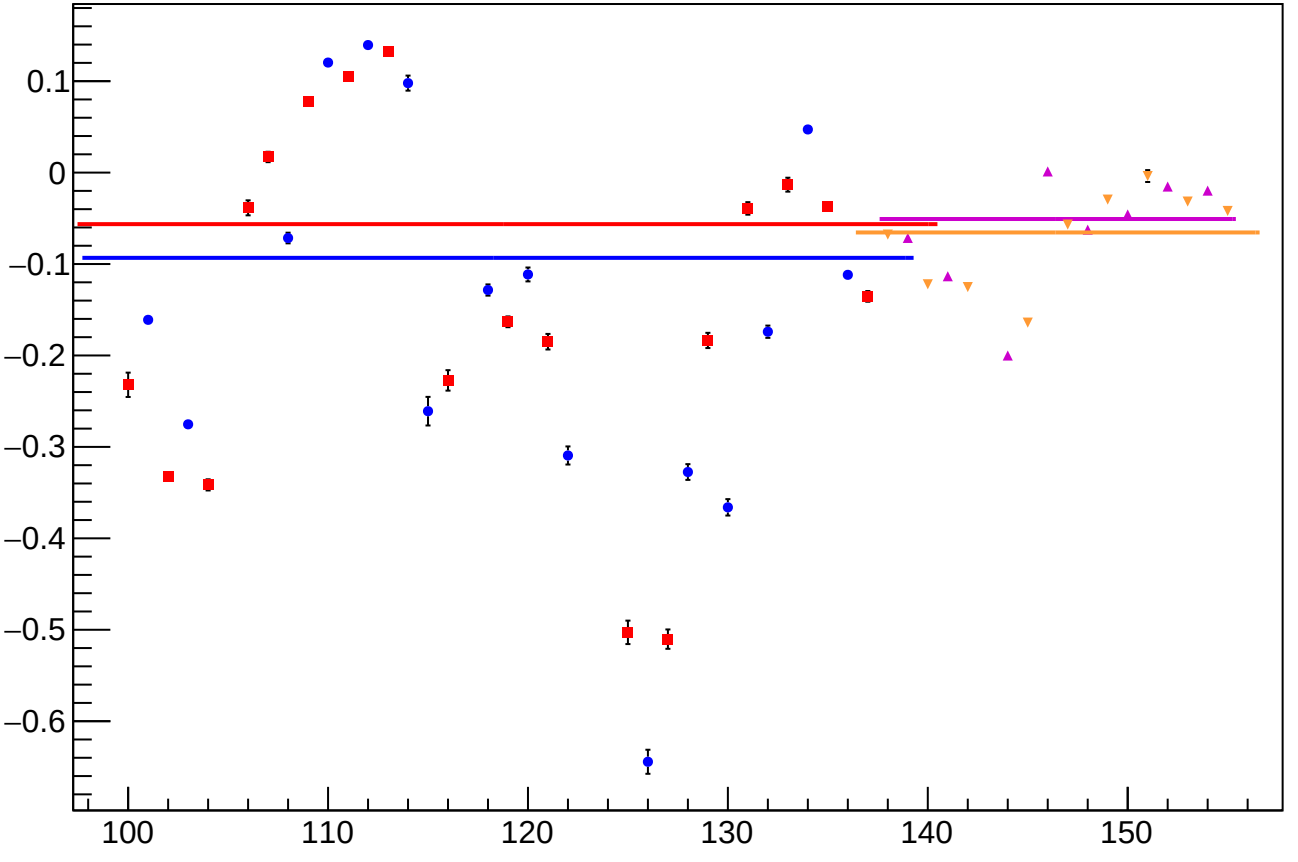
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.094+/-0.017 χ^2/NDF:10115.1/23

Out: -0.330+/-0.017 χ^2/NDF:5925.3/26

All: -0.207+/-0.012 χ^2/NDF: 16138.6/50

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: -0.065+/-0.001 χ^2/NDF:1307.2/8

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.051+/-0.001 χ^2/NDF:2350.6/7

Left: -0.057+/-0.001 χ^2/NDF: 3747.9/16

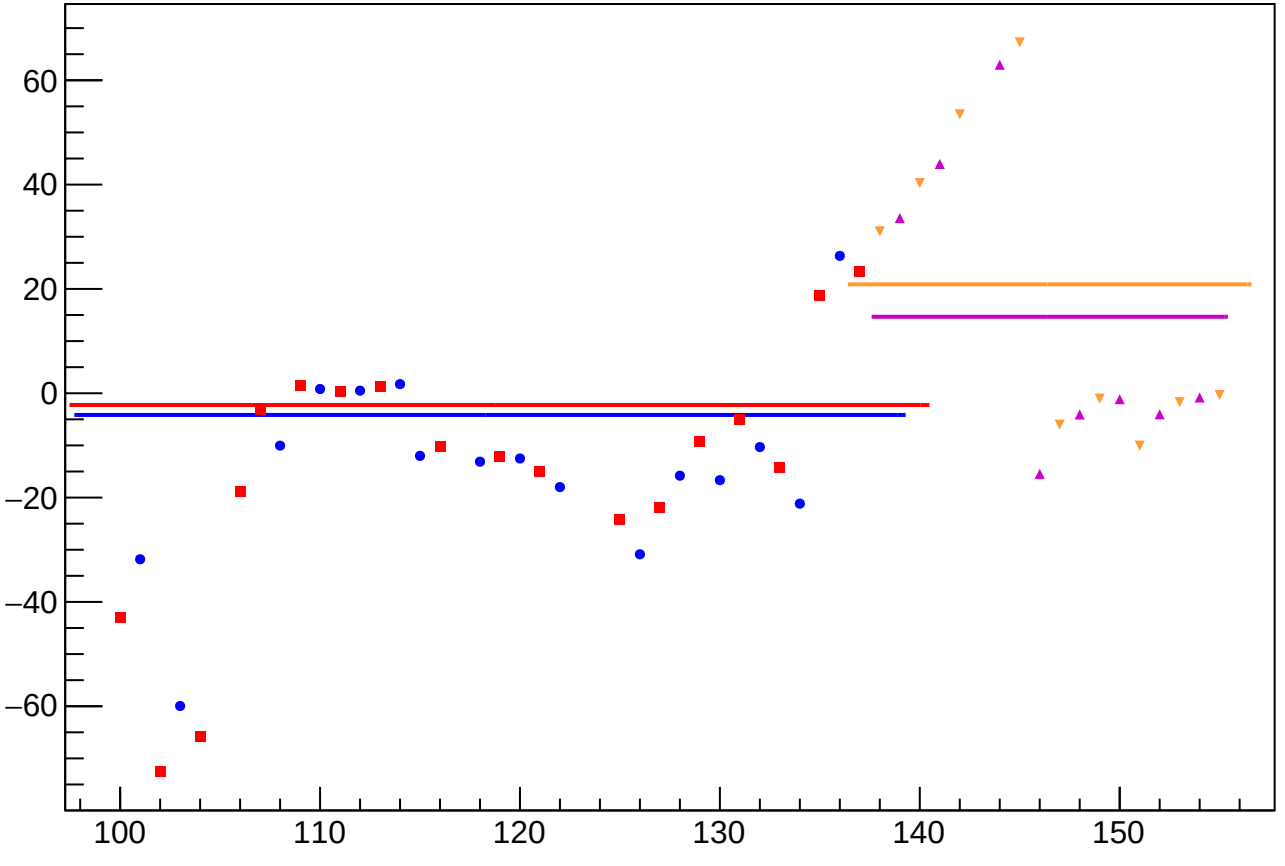
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.065+/-0.001 χ^2/NDF:14697.7/23

Out: -0.061+/-0.001 χ^2/NDF:15791.1/26

All: -0.063+/-0.001 χ^2/NDF: 30497.0/50

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: 20.881+/-0.092 χ^2/NDF:68053.9/8

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 14.663+/-0.080 χ^2/NDF:90650.7/7

Left: 17.350+/-0.061 χ^2/NDF: 161296.0/16

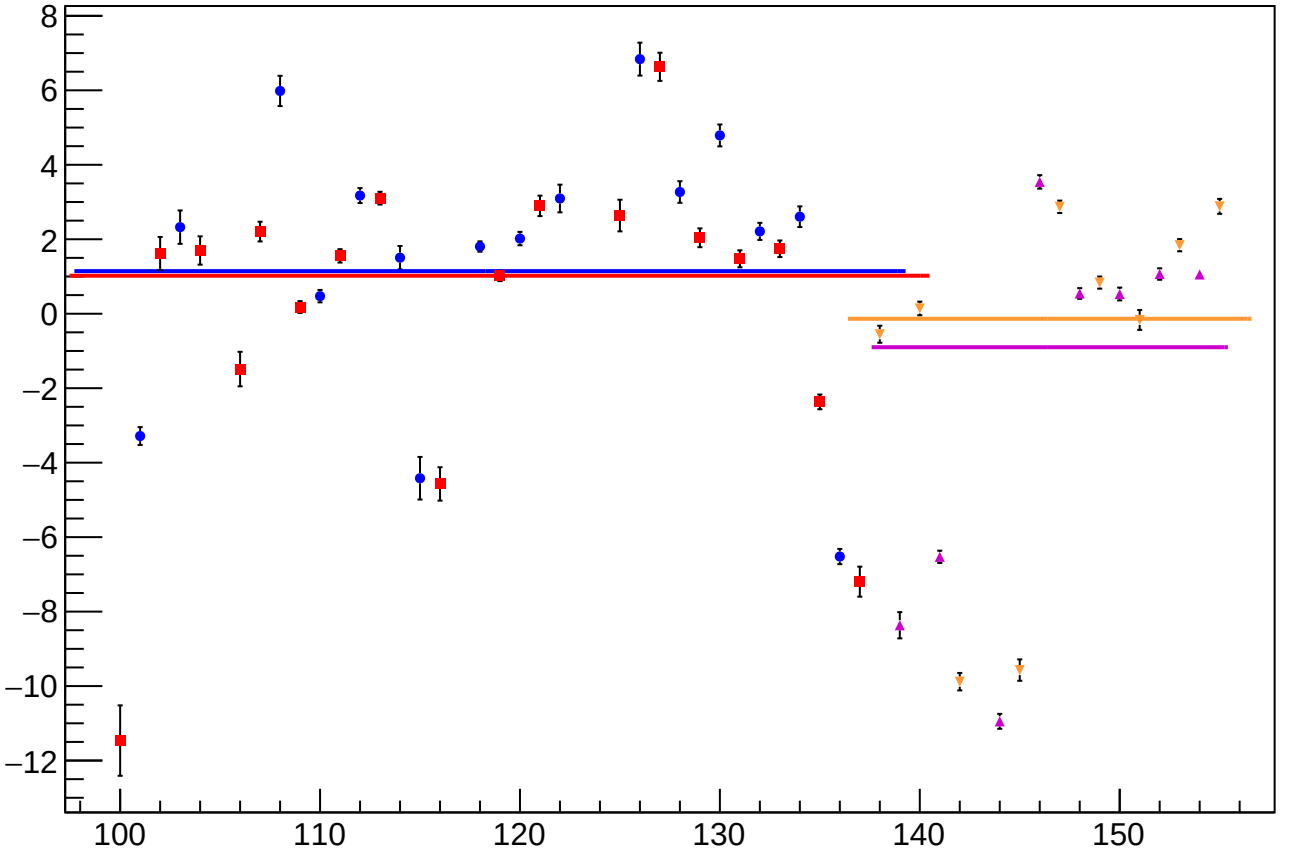
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 1.759+/-0.045 χ^2/NDF:203742.5/23

Out: 2.365+/-0.041 χ^2/NDF:198233.5/26

All: 2.089+/-0.030 χ^2/NDF: 402074.7/50

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: -0.135+/-0.066 χ^2/NDF:3547.2/8

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -0.899+/-0.056 χ^2/NDF:5395.2/7

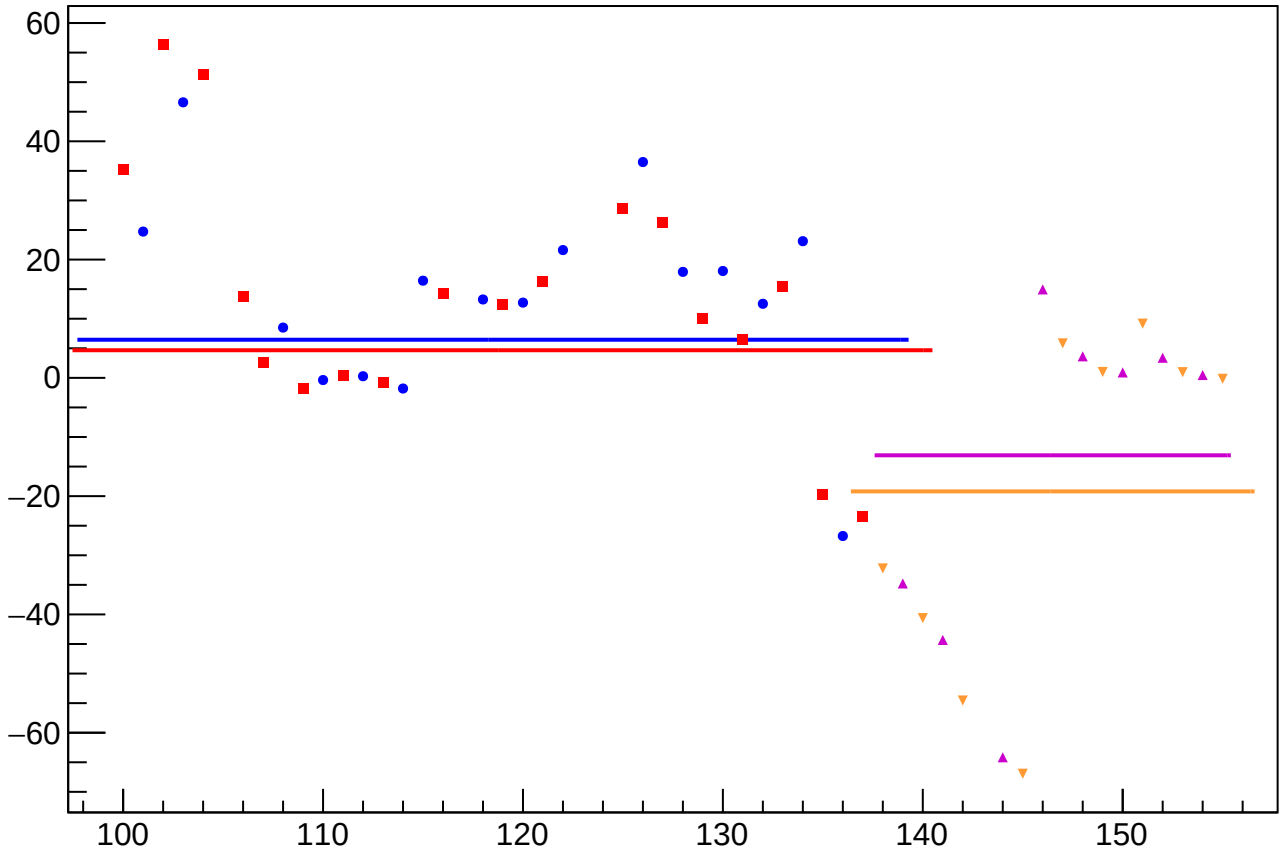
Left: -0.579+/-0.043 χ^2/NDF: 9019.9/16

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.055+/-0.041 χ^2/NDF:8606.4/23

Out: 0.527+/-0.043 χ^2/NDF:5313.4/26

All: 0.279+/-0.030 χ^2/NDF: 13982.4/50



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -19.194+/-0.090 χ^2/NDF:70107.9/8

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -13.093+/-0.078 χ^2/NDF:92788.1/7

Left: -15.686+/-0.059 χ^2/NDF: 165515.4/16

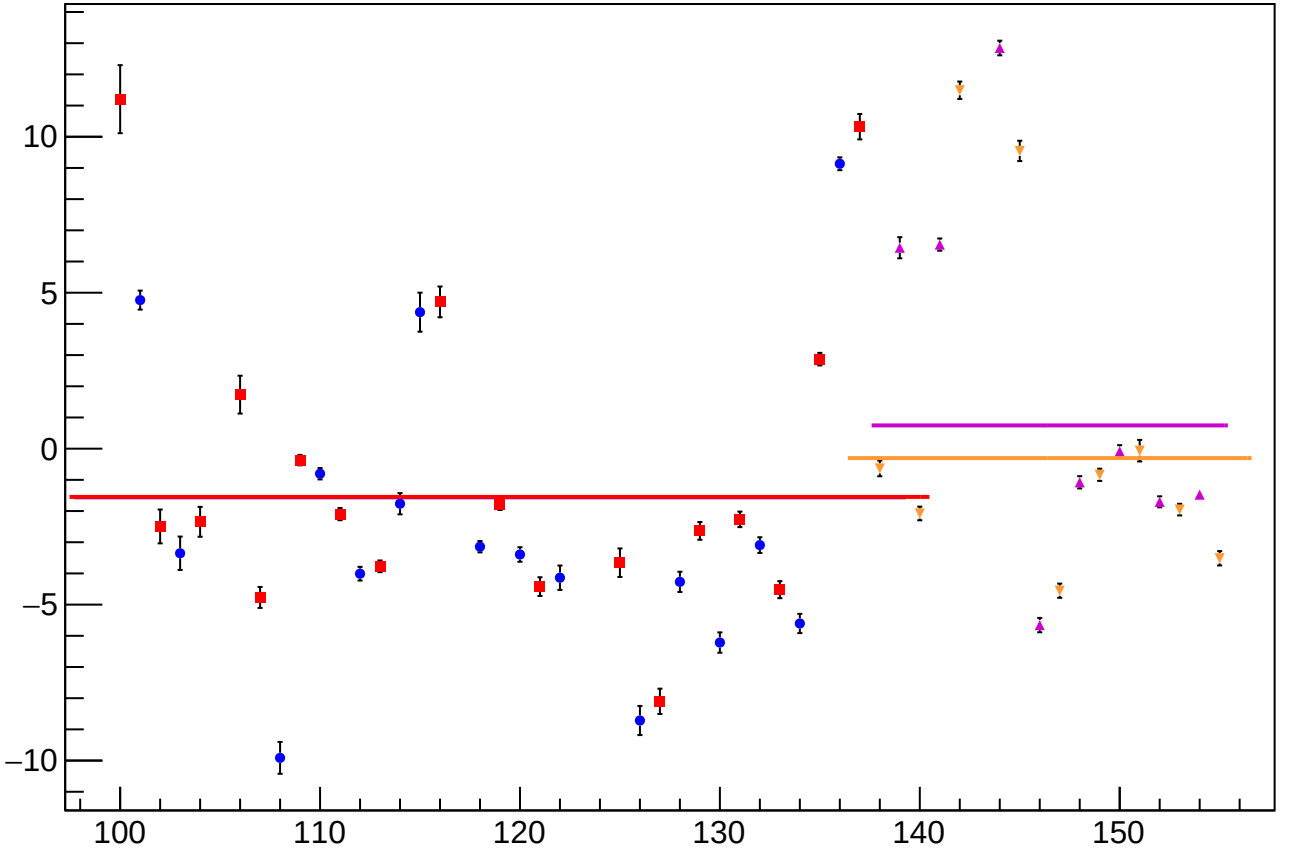
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -1.580+/-0.050 χ^2/NDF:200861.8/23

Out: -2.461+/-0.049 χ^2/NDF:193406.1/26

All: -2.024+/-0.035 χ^2/NDF: 394425.6/50

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: -0.302+/-0.079 χ^2/NDF:3398.3/8

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 0.745+/-0.067 χ^2/NDF:5215.5/7

Left: 0.308+/-0.051 χ^2/NDF: 8716.1/16

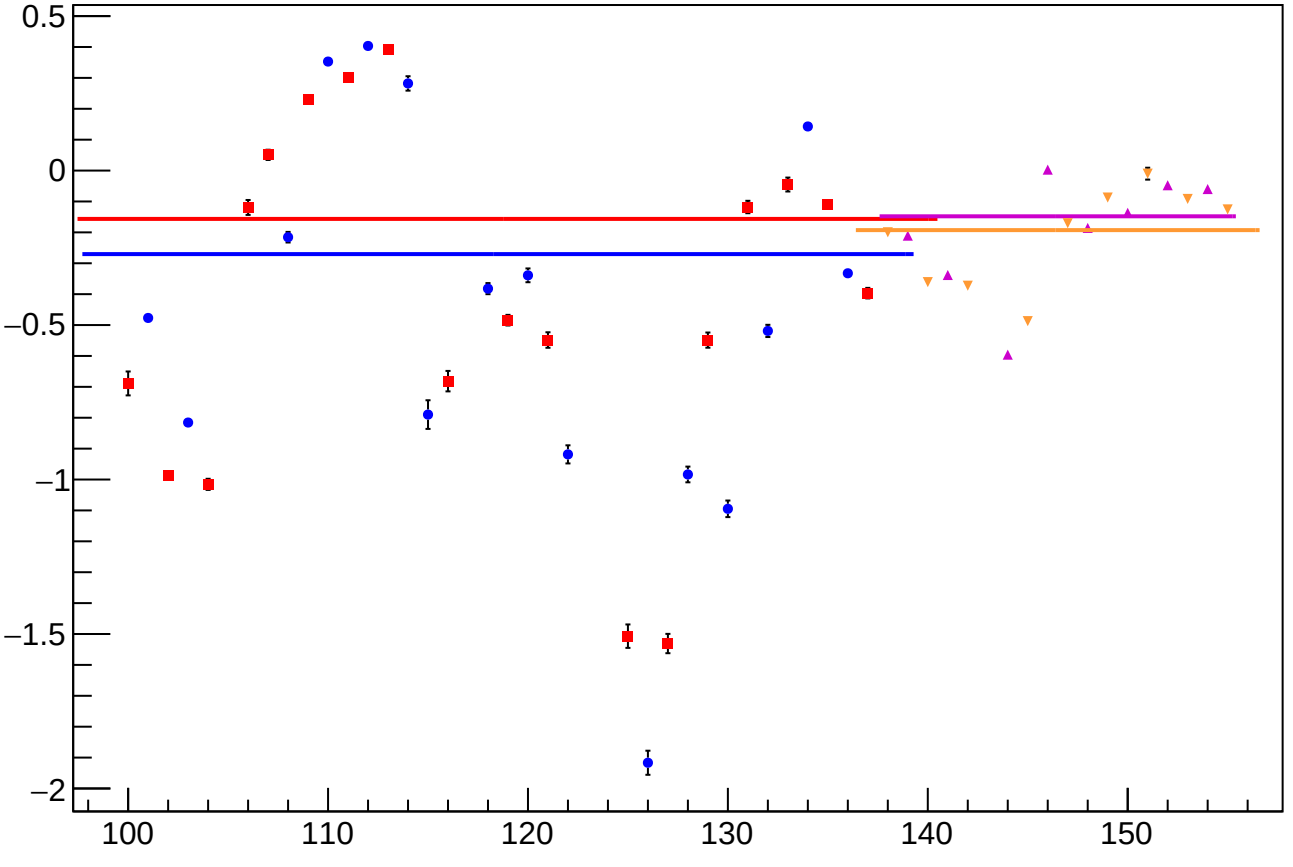
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -0.367+/-0.048 χ^2/NDF:10331.0/23

Out: -1.049+/-0.050 χ^2/NDF:6017.3/26

All: -0.695+/-0.035 χ^2/NDF: 16445.0/50

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: -0.193+/-0.003 χ^2/NDF:1330.1/8

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.148+/-0.003 χ^2/NDF:2411.2/7

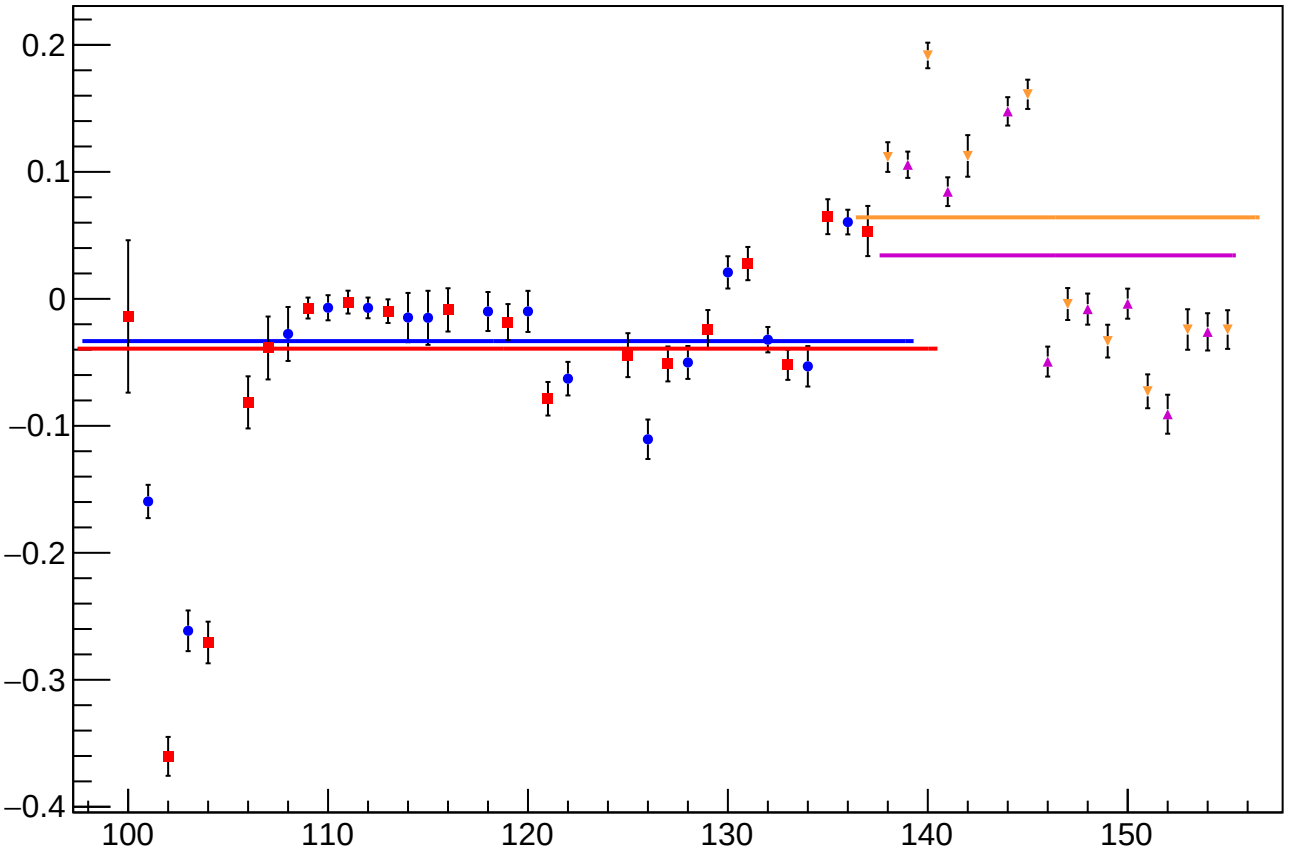
Left: -0.166+/-0.002 χ^2/NDF: 3839.0/16

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.188+/-0.002 χ^2/NDF:15098.0/23

Out: -0.176+/-0.003 χ^2/NDF:16409.7/26

All: -0.182+/-0.002 χ^2/NDF: 31519.1/50



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.064+/-0.004 χ^2/NDF:512.8/8

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.034+/-0.004 χ^2/NDF:325.9/7

Left: 0.049+/-0.003 χ^2/NDF: 863.2/16

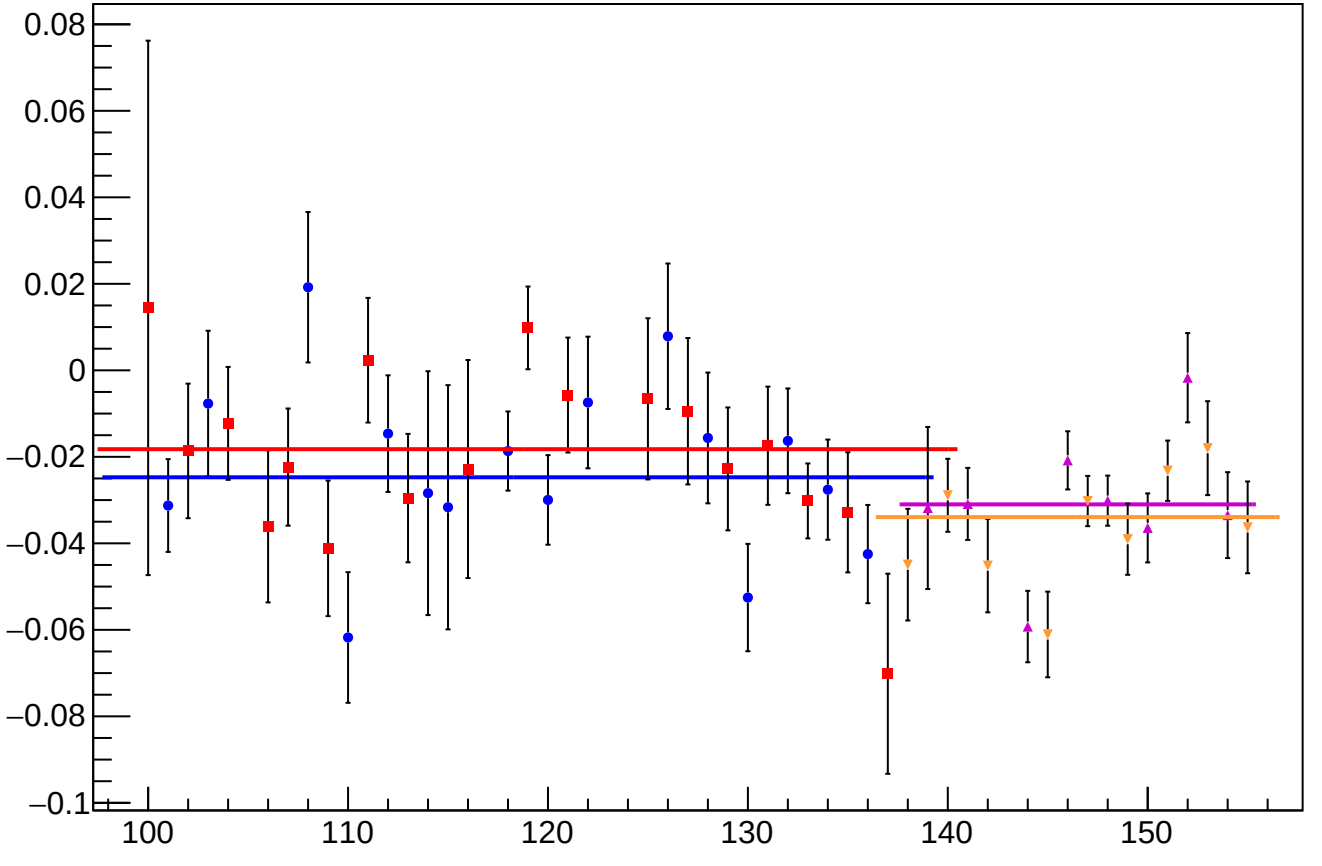
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.009+/-0.003 χ^2/NDF:949.2/23

Out: -0.002+/-0.003 χ^2/NDF:1696.5/26

All: -0.006+/-0.002 χ^2/NDF: 2648.8/50

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.034+/-0.003 χ^2/NDF:15.0/8

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.003 χ^2/NDF:22.6/7

Left: -0.032+/-0.002 χ^2/NDF: 38.2/16

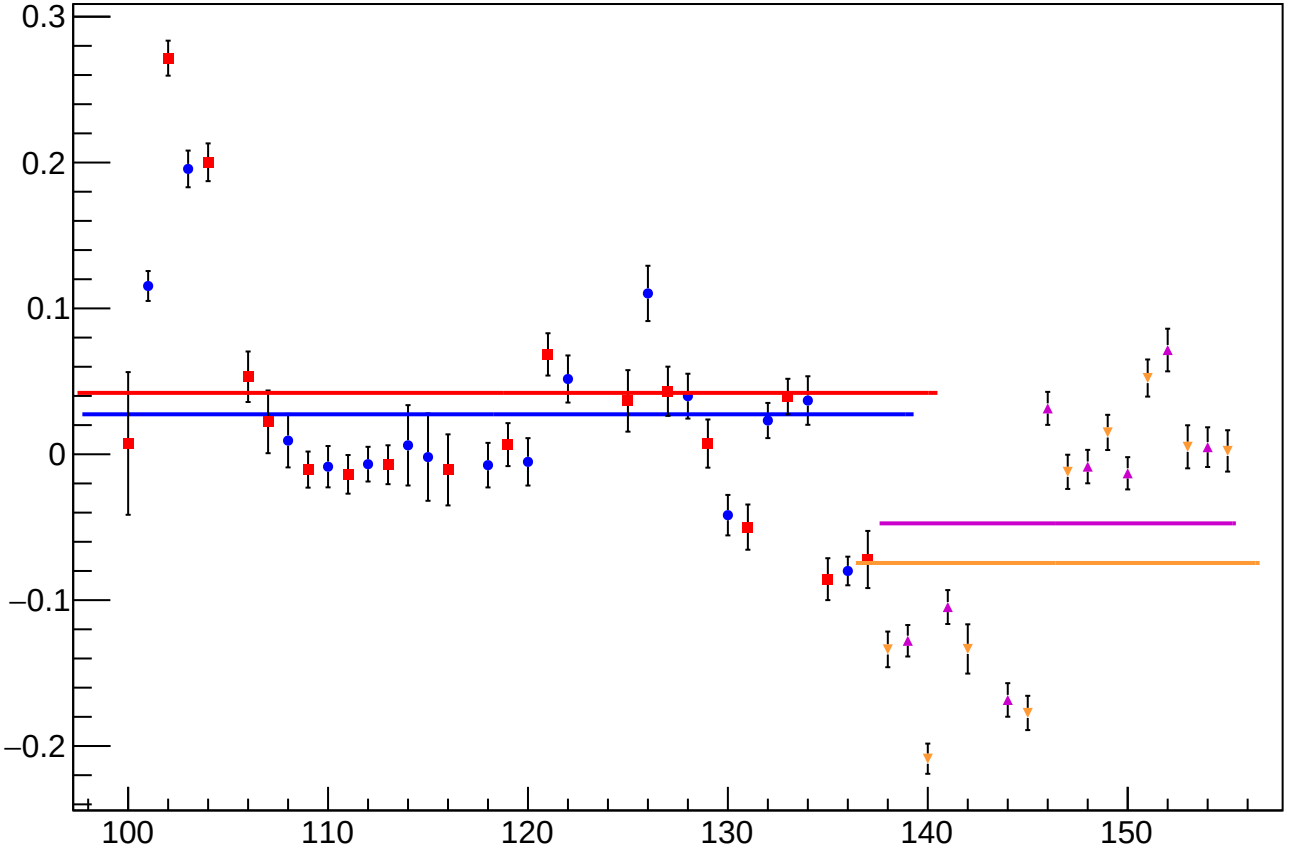
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.028+/-0.002 χ^2/NDF:53.2/23

Out: -0.027+/-0.002 χ^2/NDF:52.3/26

All: -0.028+/-0.002 χ^2/NDF: 105.5/50

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: -0.075+/-0.004 χ^2/NDF:521.5/8

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.047+/-0.004 χ^2/NDF:341.3/7

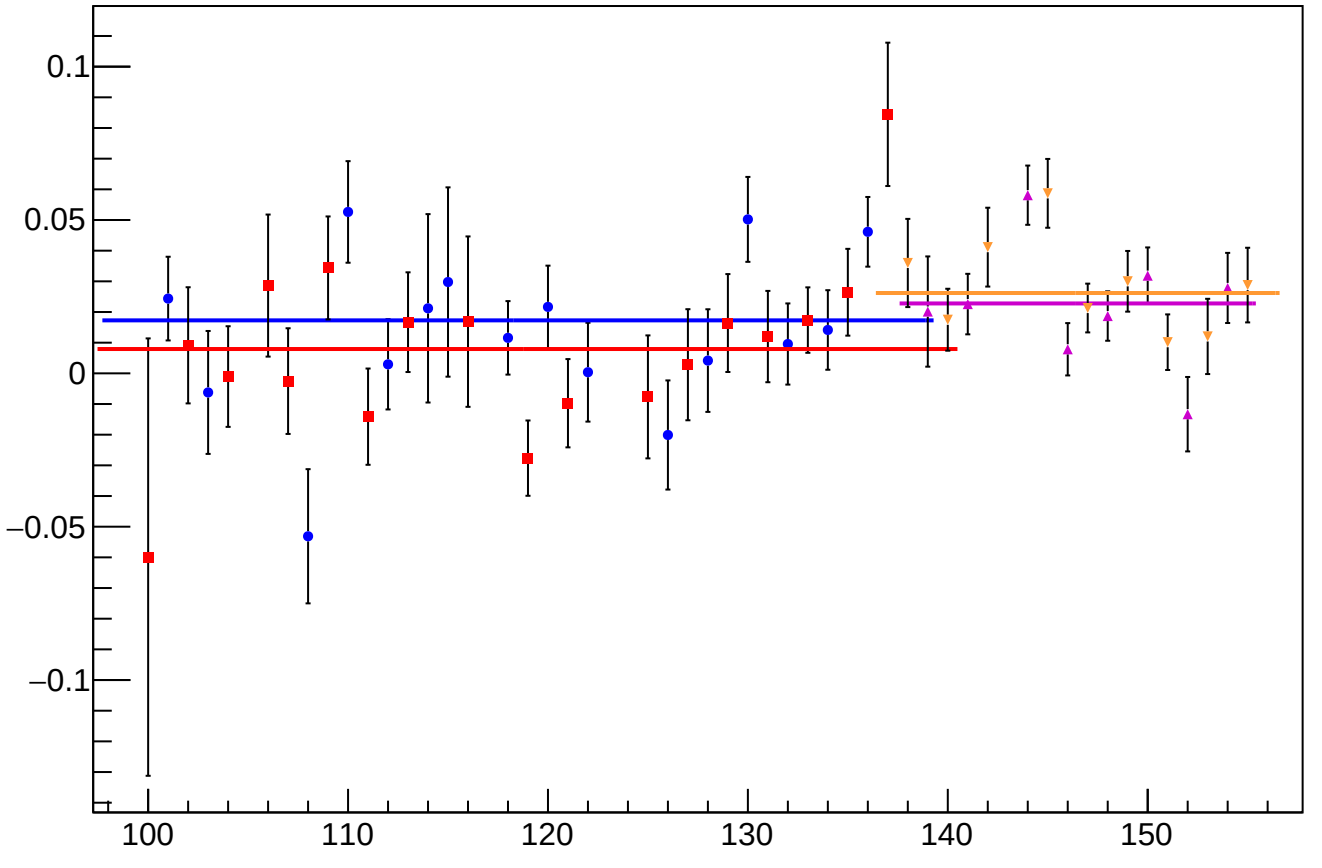
Left: -0.061+/-0.003 χ^2/NDF: 883.8/16

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.004+/-0.003 χ^2/NDF:972.2/23

Out: -0.008+/-0.003 χ^2/NDF:1695.0/26

All: -0.006+/-0.002 χ^2/NDF: 2668.1/50



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.026+/-0.004 χ^2/NDF:16.0/8

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.023+/-0.004 χ^2/NDF:26.7/7

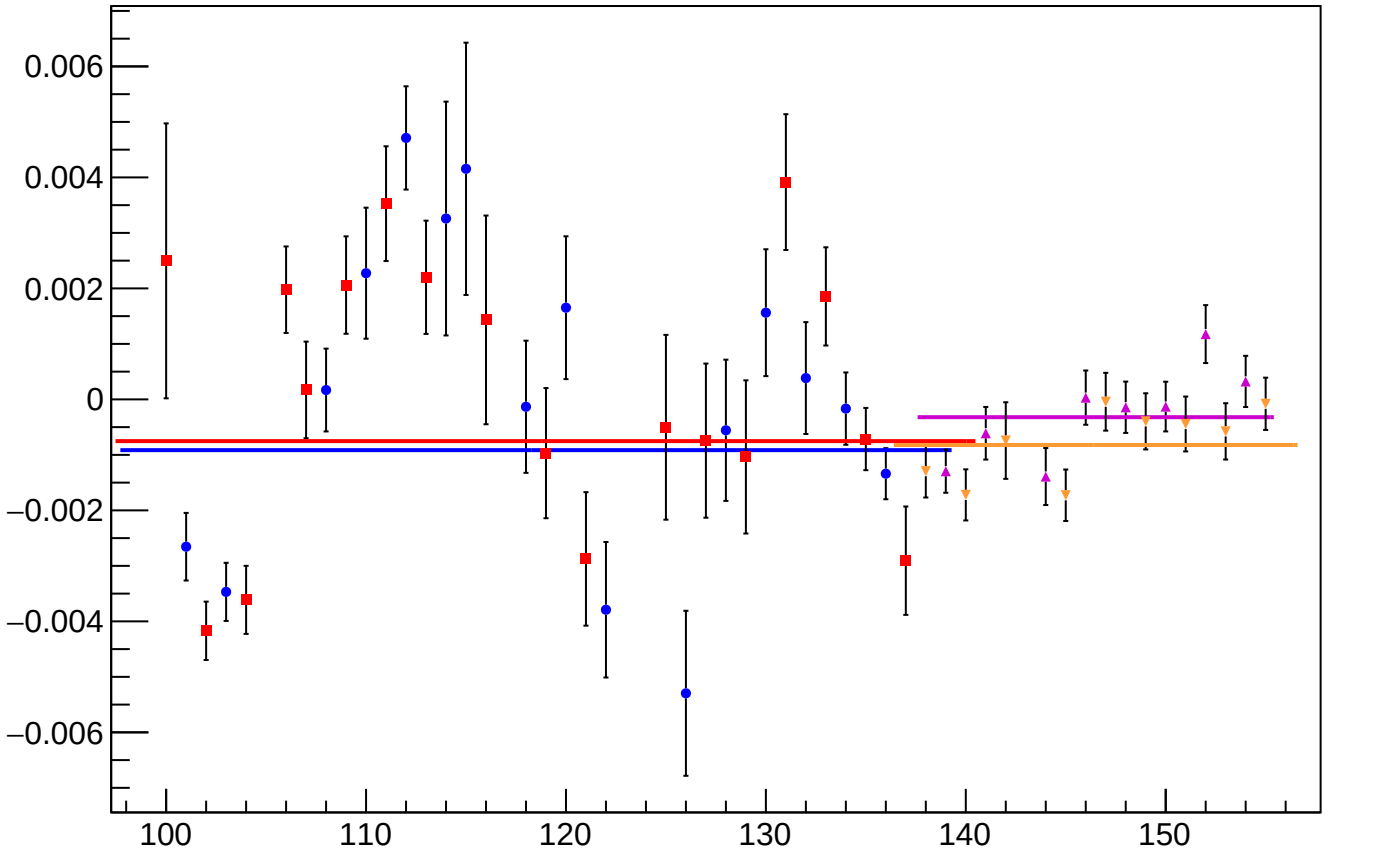
Left: 0.025+/-0.003 χ^2/NDF: 43.2/16

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.020+/-0.003 χ^2/NDF:64.5/23

Out: 0.018+/-0.003 χ^2/NDF:59.4/26

All: 0.019+/-0.002 χ^2/NDF: 124.3/50



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:14.9/8

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:22.0/7

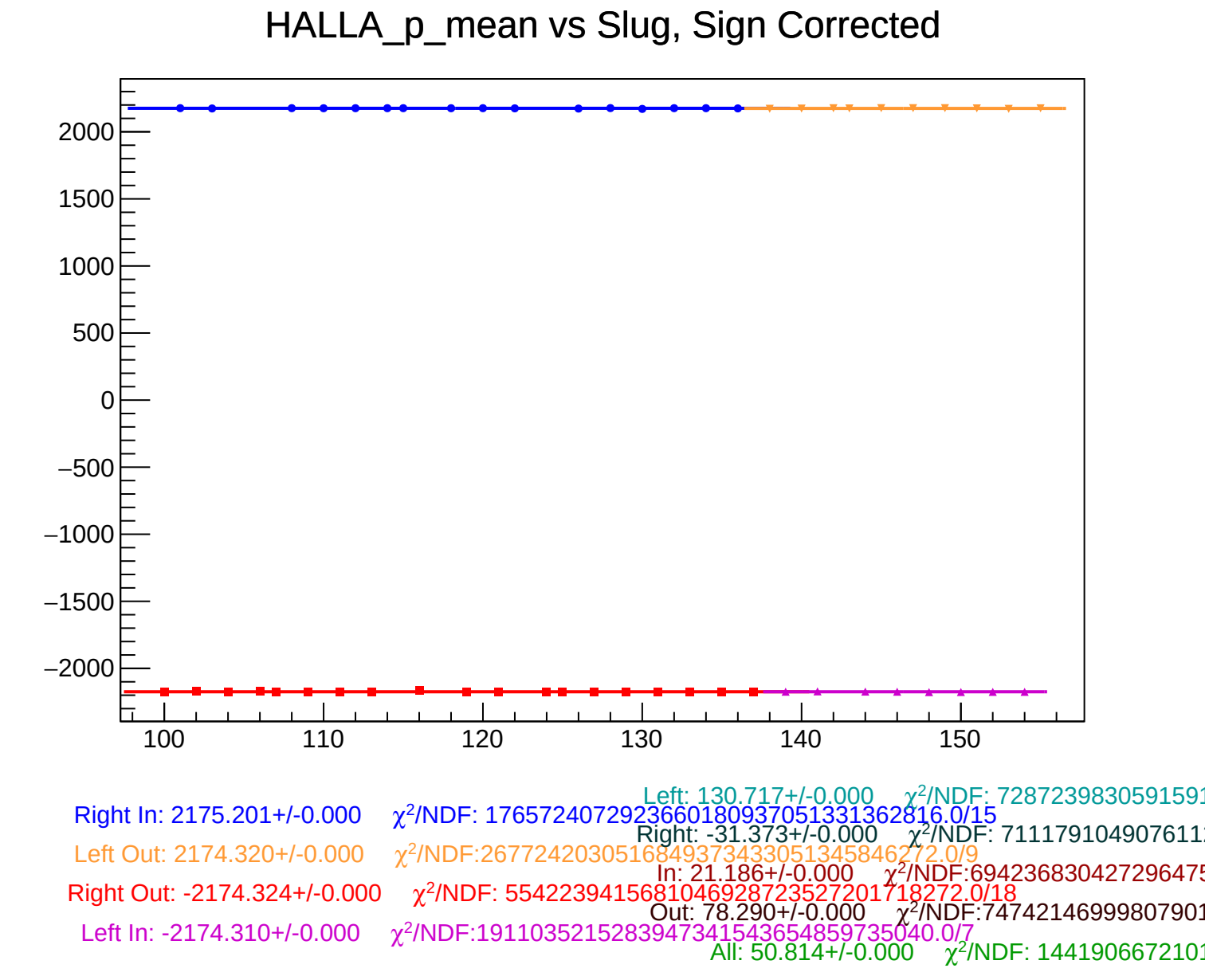
Left: -0.001+/-0.000 χ^2/NDF: 41.5/16

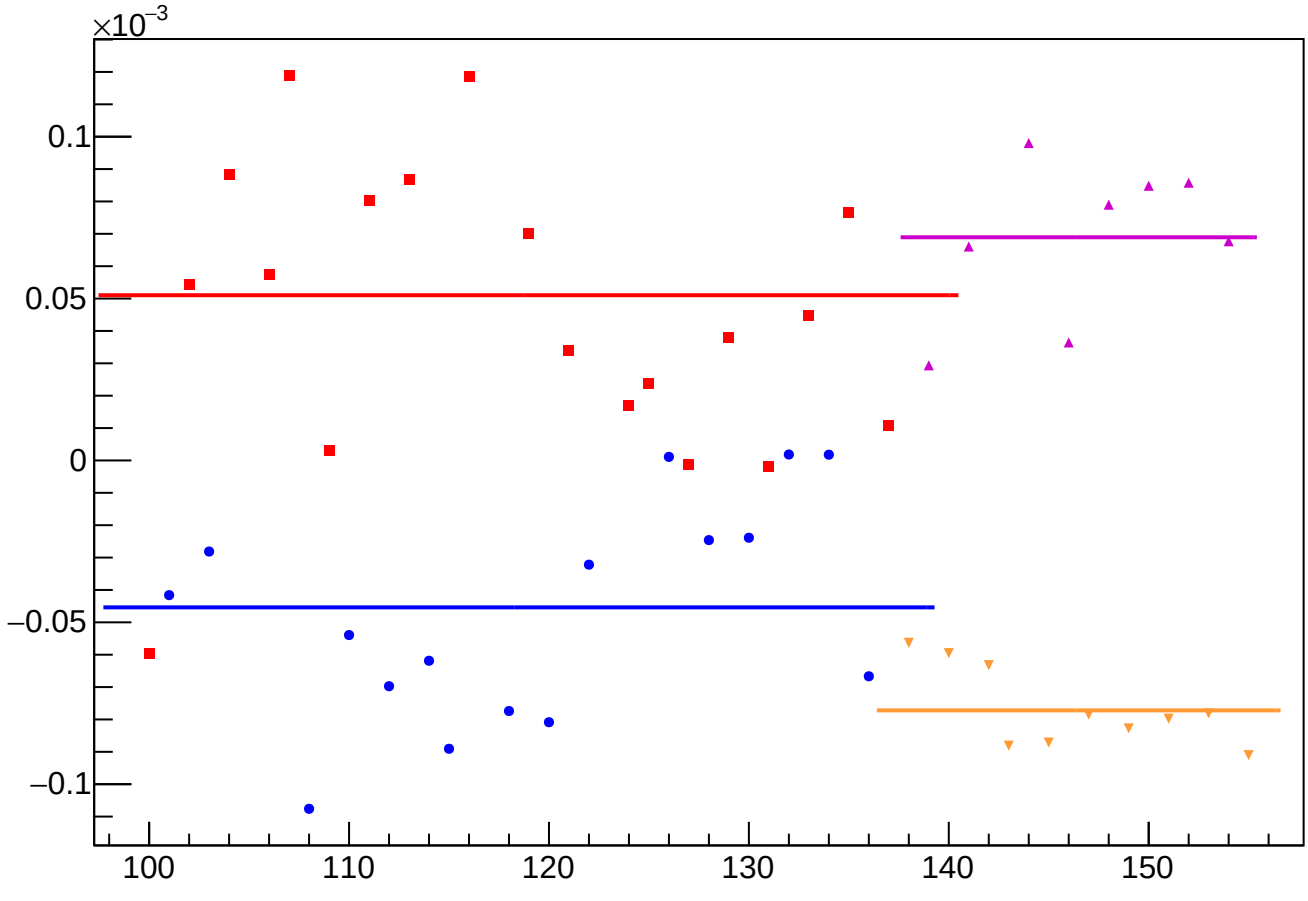
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:141.0/23

Out: -0.001+/-0.000 χ^2/NDF:162.5/26

All: -0.001+/-0.000 χ^2/NDF: 305.4/50


HALLA_p_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
Right In: 2175.201+/-0.000 χ²/NDF: 176572407292366018093705133136281 6.0/15
Left Out: 2174.320+/-0.000 χ²/NDF:267724203051684937343305134584627 2.0/9
Right Out: -2174.324+/-0.000 χ²/NDF: 554223941568104692872352720171827 2.0/18
Left In: -2174.310+/-0.000 χ²/NDF:191103521528394734154365485973504 0.0/7
Left: 130.717+/-0.000 χ²/NDF: 7287239830591591
Right: -31.373+/-0.000 χ²/NDF: 7111791049076111
In: 21.186+/-0.000 χ²/NDF:694236830427296475
Out: 78.290+/-0.000 χ²/NDF:747421469998079011
All: 50.814+/-0.000 χ²/NDF: 1441906672101



Right In: -0.000+/-0.000 χ^2/NDF: 7131320813781223777239 04.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:109474324078768164962304.0/9

Right Out: 0.000+/-0.000 χ^2/NDF: 10119559107206471011532 80.0/18

Left In: 0.000+/-0.000 χ^2/NDF:367482841548035381526528.0/7

Left: -0.000+/-0.000 χ^2/NDF: 87059329821989188

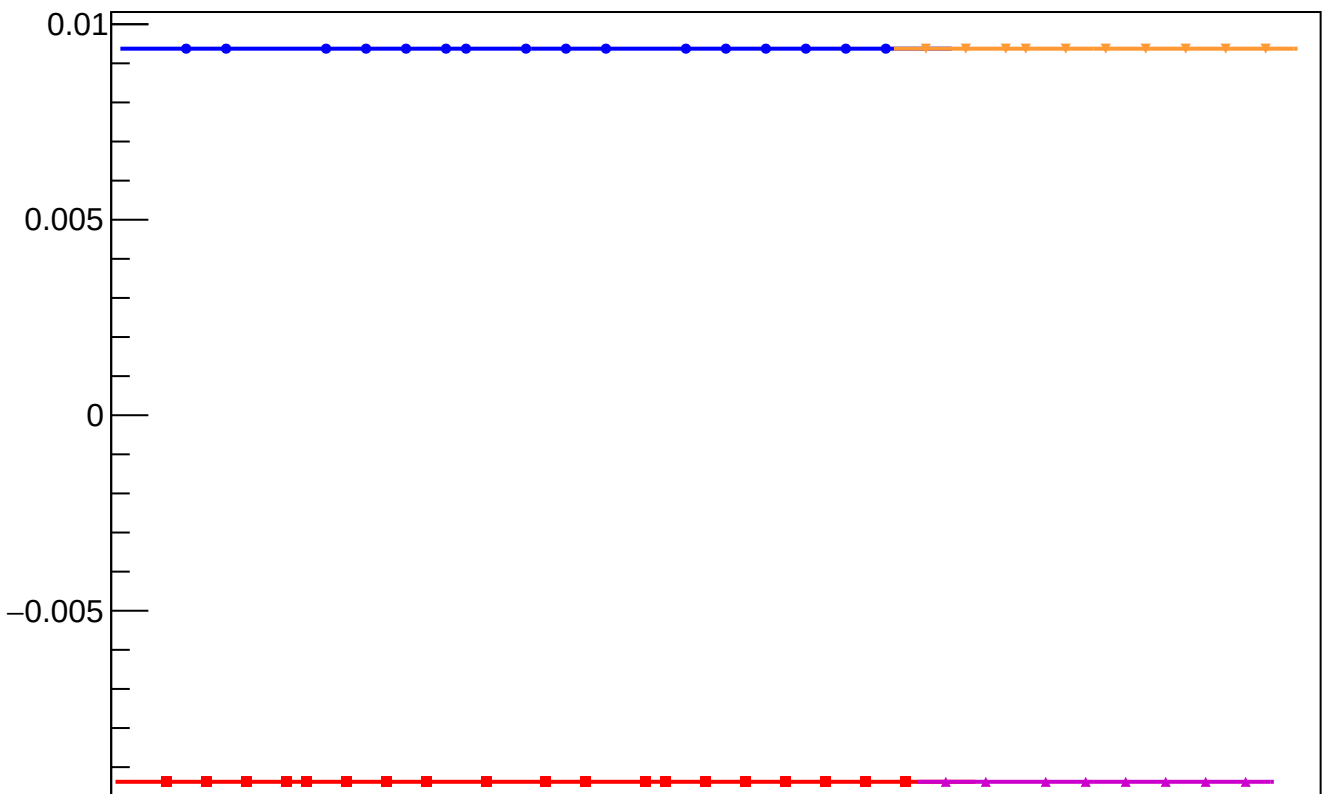
Right: 0.000+/-0.000 χ^2/NDF: 52193568733401849

In: 0.000+/-0.000 χ^2/NDF:5875777620080080988

Out: -0.000+/-0.000 χ^2/NDF:76205214130320219

All: -0.000+/-0.000 χ^2/NDF: 1403617201468

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:0.0/9

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/7

Left: 0.001+/-0.000 χ^2/NDF: 135475416127989189

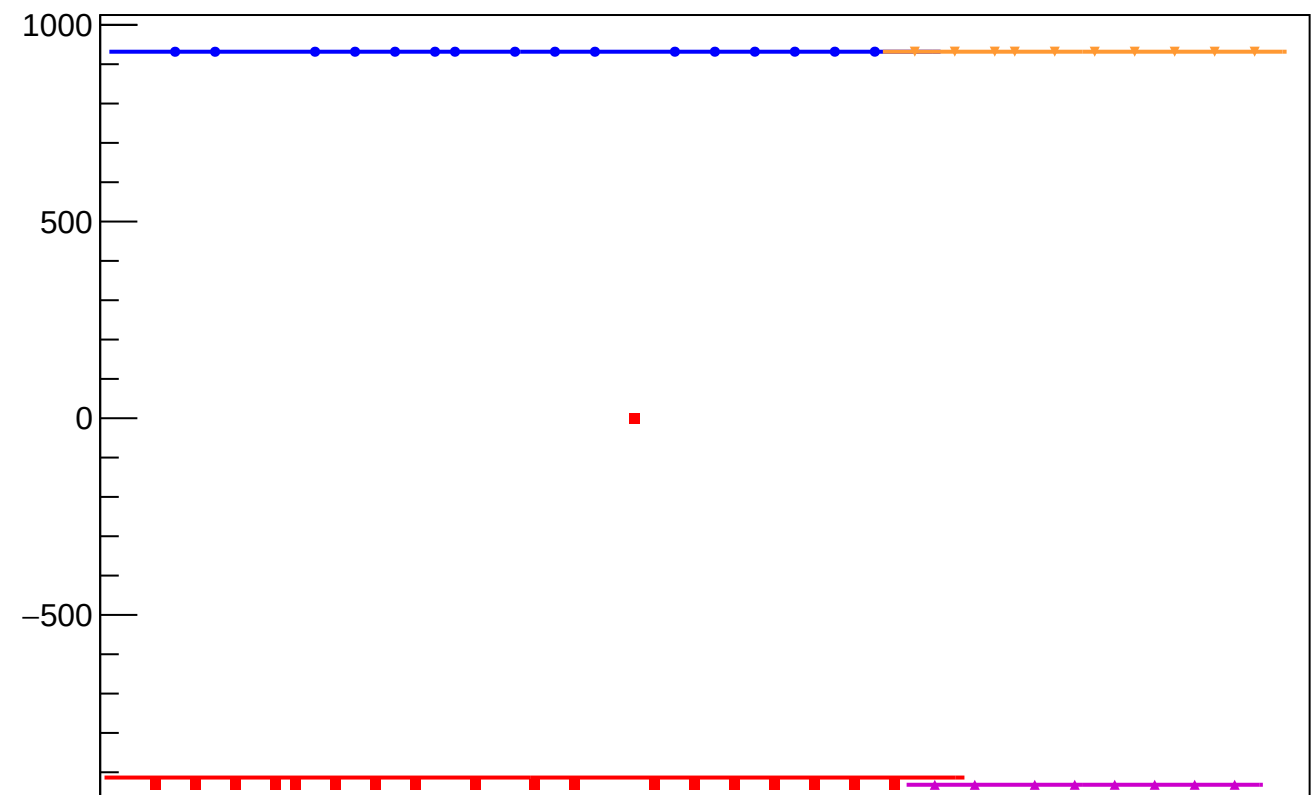
Right: -0.000+/-0.000 χ^2/NDF: 13215921604886955

In: 0.000+/-0.000 χ^2/NDF:1290117027844001610

Out: 0.000+/-0.000 χ^2/NDF:138950469835754614

All: 0.000+/-0.000 χ^2/NDF: 26800908001474

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.797+/-0.000 χ^2/NDF:3541622636281041668630105817088.0/9

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.786+/-0.000 χ^2/NDF:3114659305647493929907133612032.0/7

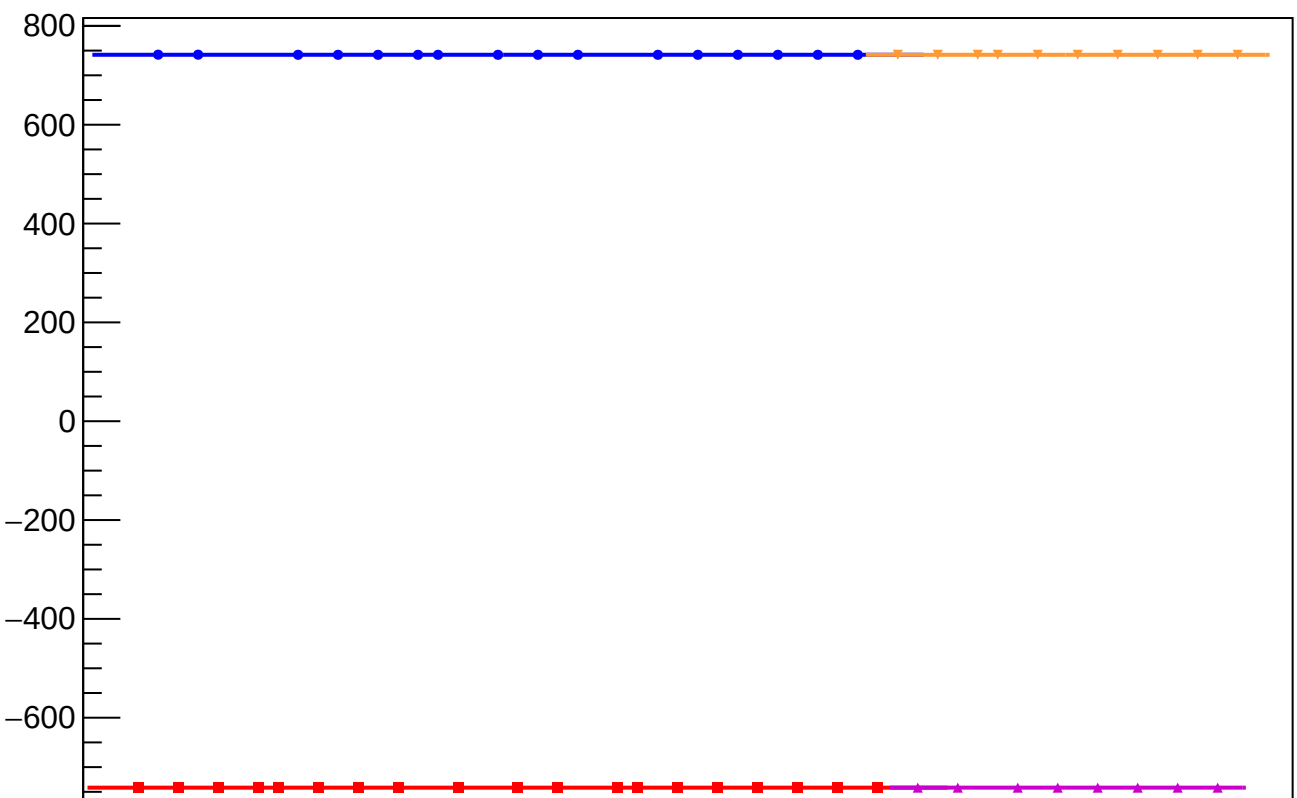
Left: 56.021+/-0.000 χ^2/NDF: 13383066000374752

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

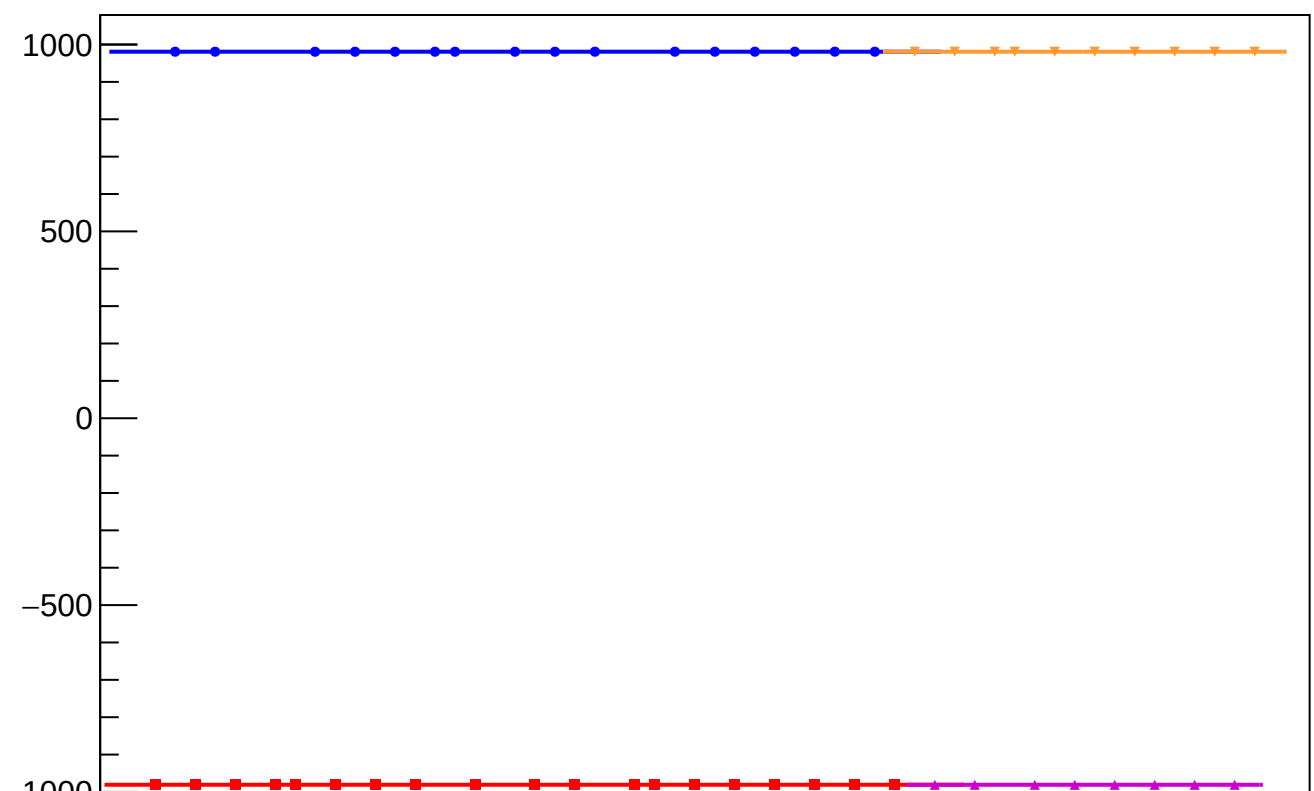
In: 8.878+/-0.000 χ^2/NDF:1274415823386837197

Out: 42.396+/-0.000 χ^2/NDF:1358518171461031

All: 26.269+/-0.000 χ^2/NDF: 263378973993


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: 741.521+/-0.000 χ²/NDF:875015218456651512749668433 92.0/9
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761 5616.0/18
Left In: -741.521+/-0.000 χ²/NDF:689355496166535390348527534 08.0/7
Left: 44.577+/-0.000 χ²/NDF: 8475490353339625 9
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
In: 7.096+/-0.000 χ²/NDF:807163755036190911 4
Out: 26.673+/-0.000 χ²/NDF:869354412186551 07
All: 17.254+/-0.000 χ²/NDF: 167681010051 4

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.778+/-0.000 χ^2/NDF:54809664953710691984135841382 4.0/9

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705 92.0/18

Left In: -980.794+/-0.000 χ^2/NDF:92179540846510483101417524428 8.0/7

Left: 58.953+/-0.000 χ^2/NDF: 1482744504630897

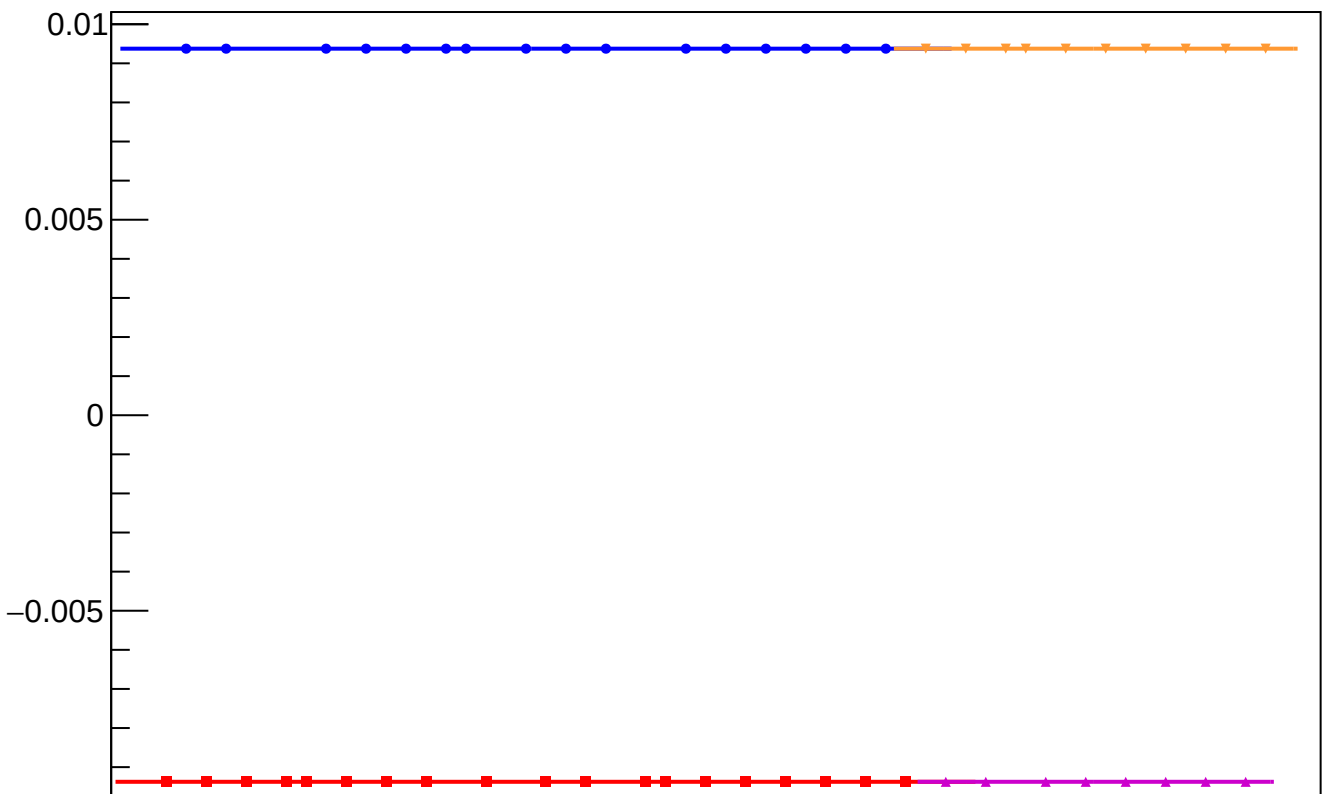
Right: -14.307+/-0.000 χ^2/NDF: 144638600880856

In: 9.359+/-0.000 χ^2/NDF:141203834493445425

Out: 35.341+/-0.000 χ^2/NDF:1520670857466750

All: 22.840+/-0.000 χ^2/NDF: 293322339061

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:0.0/9

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/7

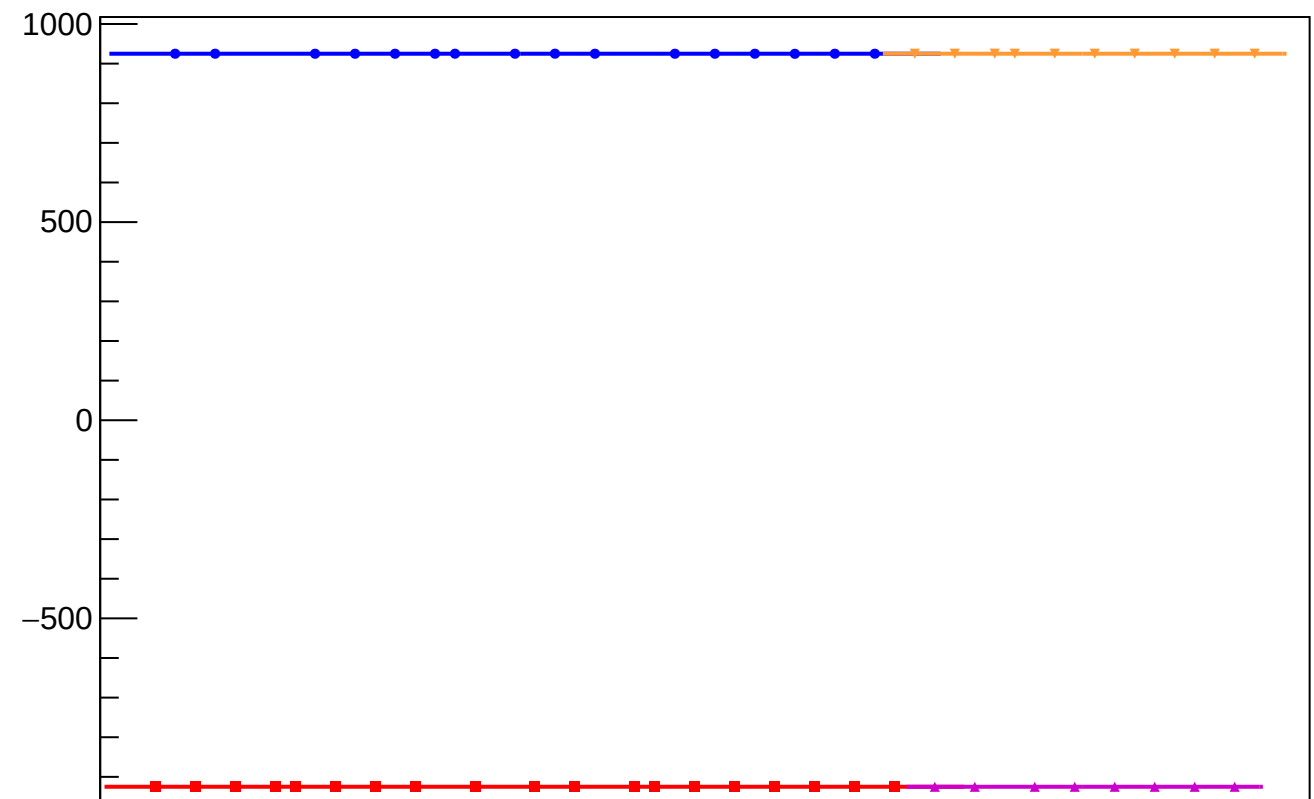
Left: 0.001+/-0.000 χ^2/NDF: 135475416127989189

Right: -0.000+/-0.000 χ^2/NDF: 13215921604886955

In: 0.000+/-0.000 χ^2/NDF:1290117027844001610

Out: 0.000+/-0.000 χ^2/NDF:138950469835754614

All: 0.000+/-0.000 χ^2/NDF: 26800908001474



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.999+/-0.000 χ^2/NDF:448708115248811217804509315072.0/9

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -925.001+/-0.000 χ^2/NDF:352898062040675241650768838656.0/7

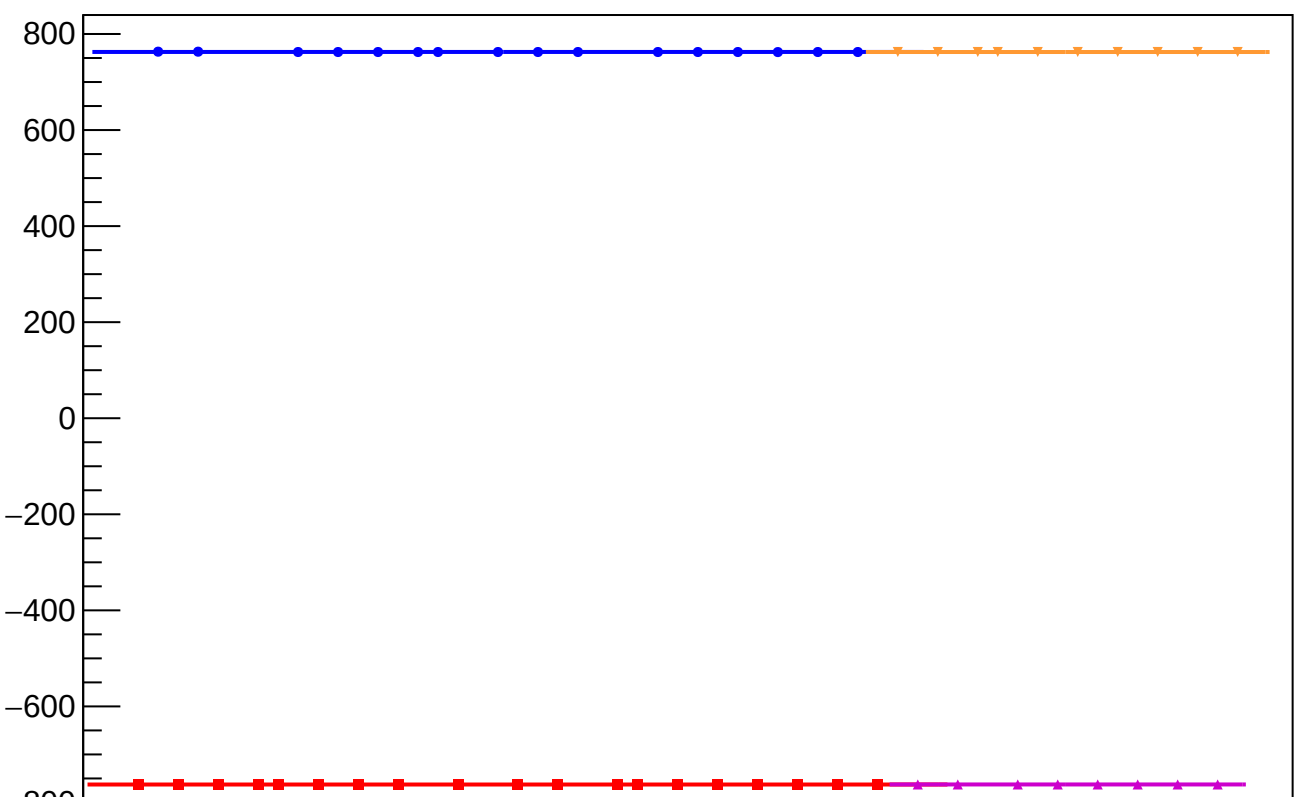
Left: 55.607+/-0.000 χ^2/NDF: 1318867779791003

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: 8.804+/-0.000 χ^2/NDF:125589841302416315

Out: 33.319+/-0.000 χ^2/NDF:1352658741376264

All: 21.524+/-0.000 χ^2/NDF: 260901489981



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.499+/-0.000 χ^2/NDF:7933033490389574906332735078 4.0/9

Right Out: -762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

Left In: -762.500+/-0.000 χ^2/NDF:617754260167345437039929589 76.0/7

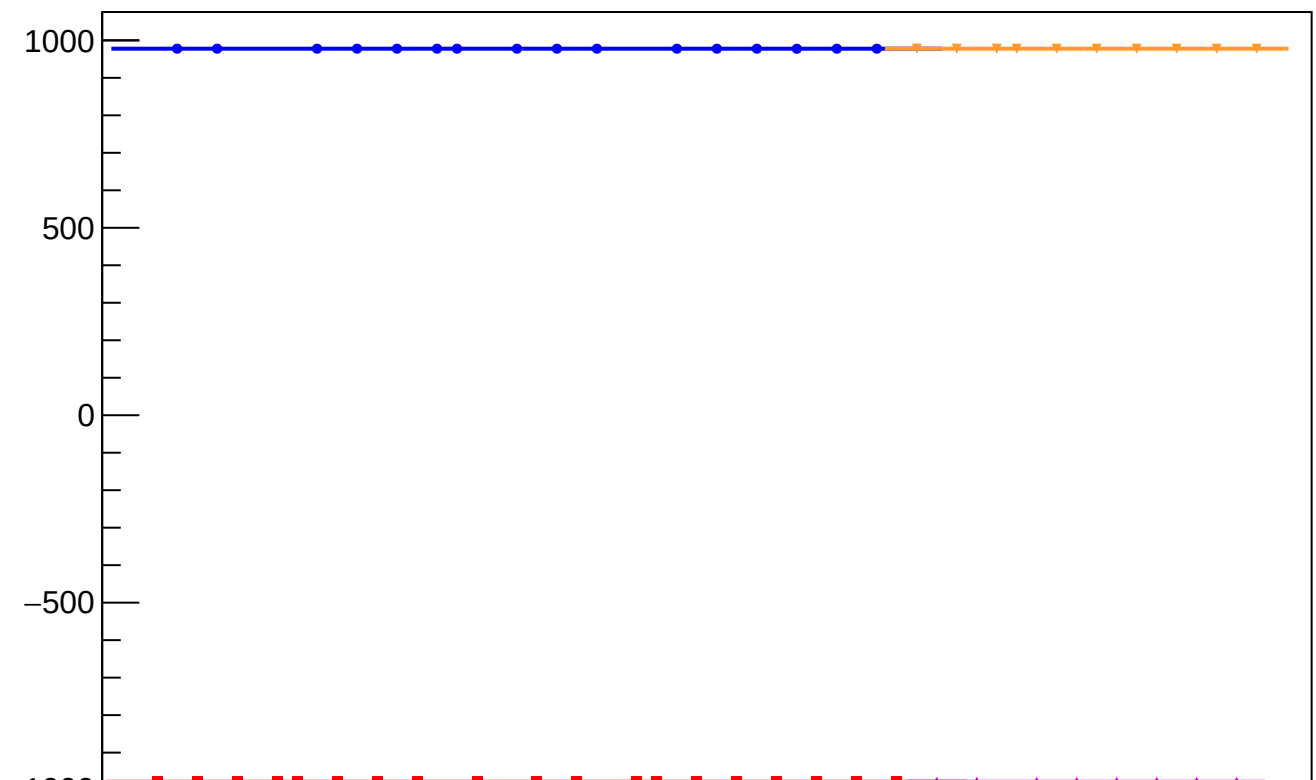
Left: 45.838+/-0.000 χ^2/NDF: 89618343560468675

Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

In: 7.328+/-0.000 χ^2/NDF:8535508903168202348

Out: 27.398+/-0.000 χ^2/NDF:91931340526836582

All: 17.741+/-0.000 χ^2/NDF: 177317111537



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.752+/-0.000 χ^2/NDF:835311863134114512579464265728.0/9

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

Left In: -977.748+/-0.000 χ^2/NDF:840998467310817707086565081088.0/7

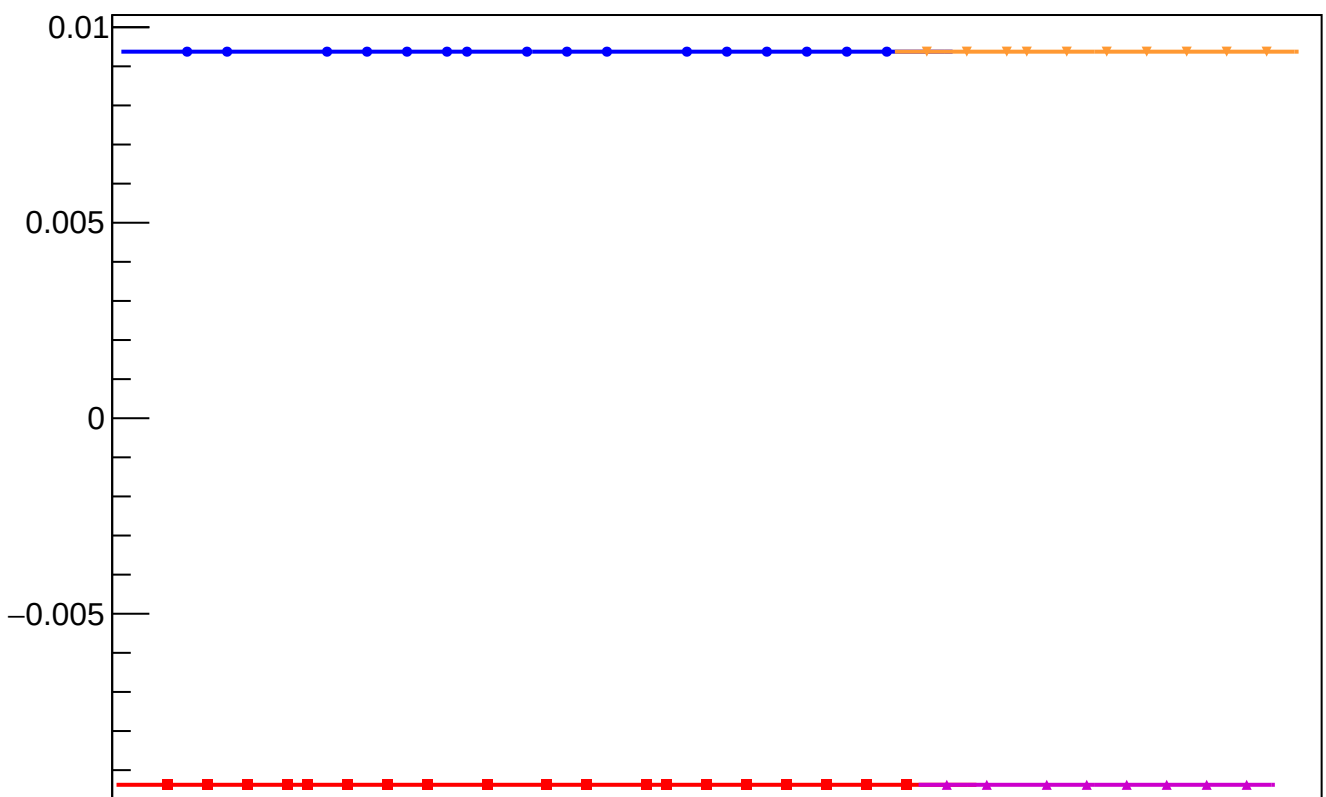
Left: 58.780+/-0.000 χ^2/NDF: 14735800023729953

Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: 9.325+/-0.000 χ^2/NDF:140326969314029149

Out: 35.209+/-0.000 χ^2/NDF:15113767891347289

All: 22.755+/-0.000 χ^2/NDF: 2915156773296



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/9

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/7

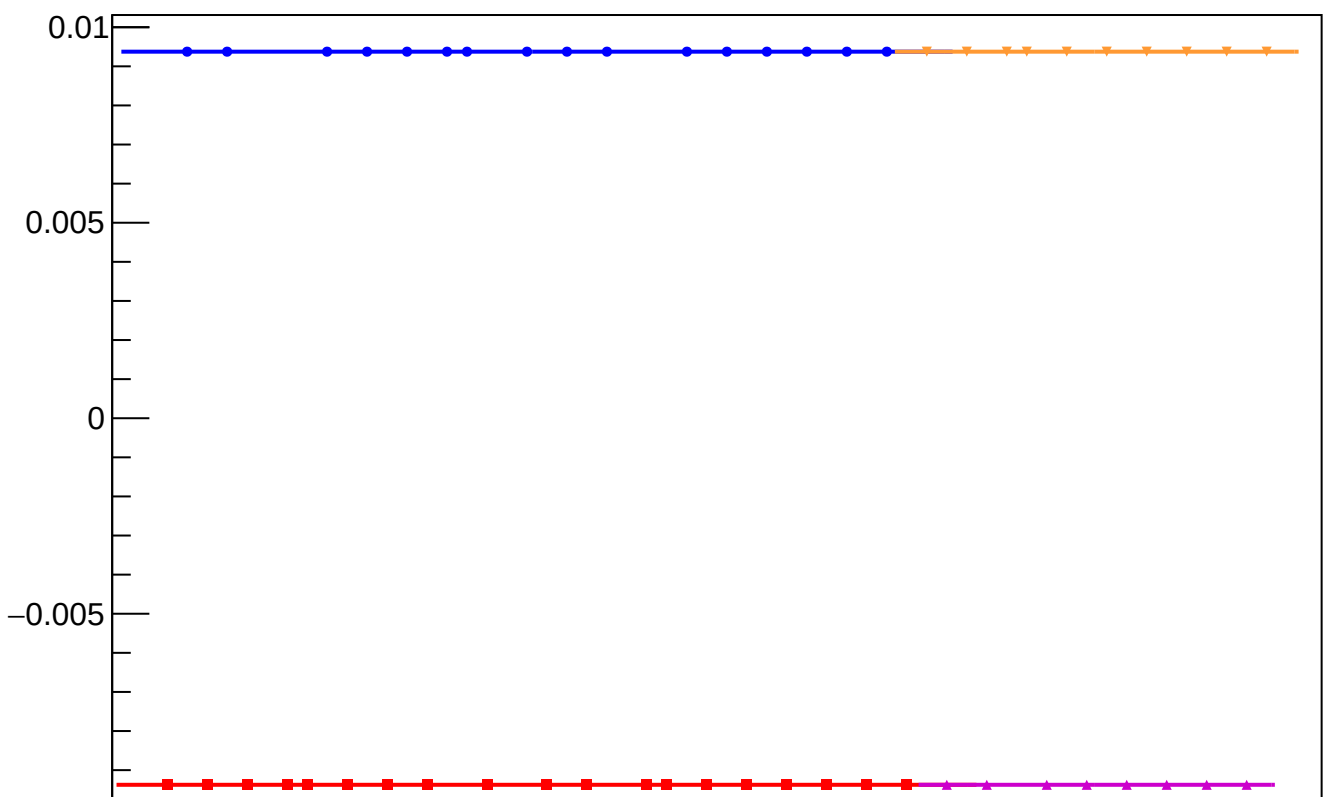
Left: 0.001+/-0.000 χ^2/NDF: 135475416127989189

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.000+/-0.000 χ^2/NDF:129011702784400161

Out: 0.000+/-0.000 χ^2/NDF:138950469835754614

All: 0.000+/-0.000 χ^2/NDF: 26800908001474



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/9

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/7

Left: 0.001+/-0.000 χ^2/NDF: 135475416127989189

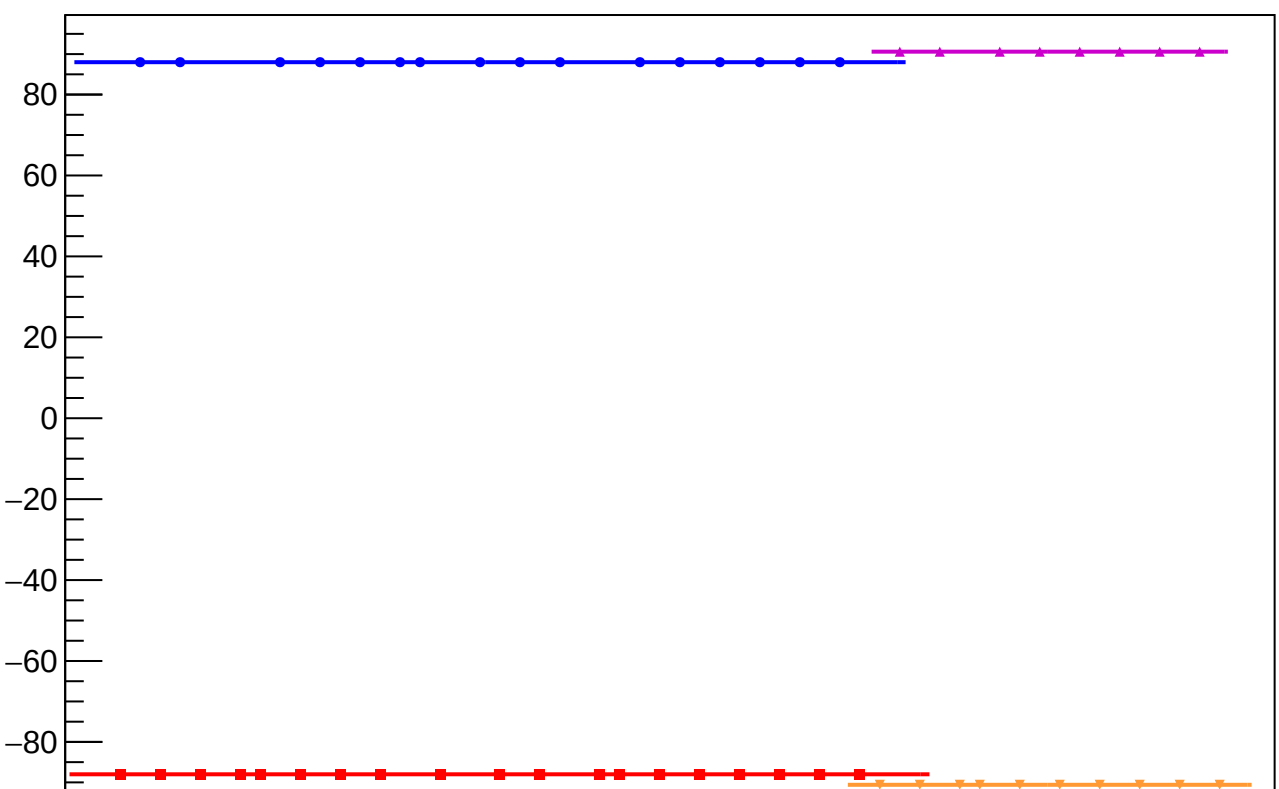
Right: -0.000+/-0.000 χ^2/NDF: 13215921604886955

In: 0.000+/-0.000 χ^2/NDF:1290117027844001610

Out: 0.000+/-0.000 χ^2/NDF:138950469835754614

All: 0.000+/-0.000 χ^2/NDF: 26800908001474

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:3103946.8/9

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911136.0/18

Left In: 90.599+/-0.000 χ^2/NDF:403089.0/7

Left: -5.446+/-0.000 χ^2/NDF: 12652245064596848

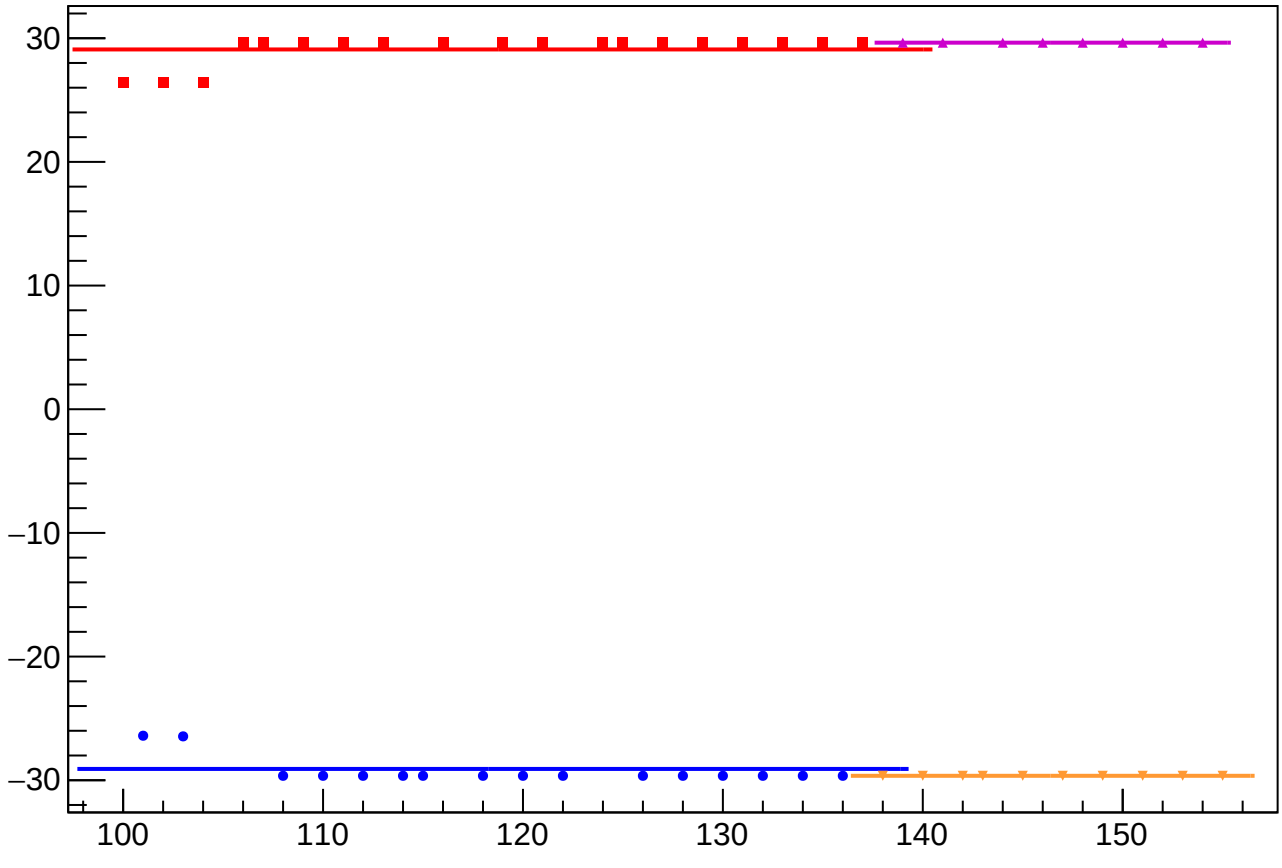
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.288+/-0.000 χ^2/NDF:247801164194550209

Out: -89.348+/-0.000 χ^2/NDF:2663434536175051

All: -3.397+/-0.000 χ^2/NDF: 2431045669266

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:159425.6/9

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:24524.1/7

Left: -1.782+/-0.000 χ^2/NDF: 13542378381359941

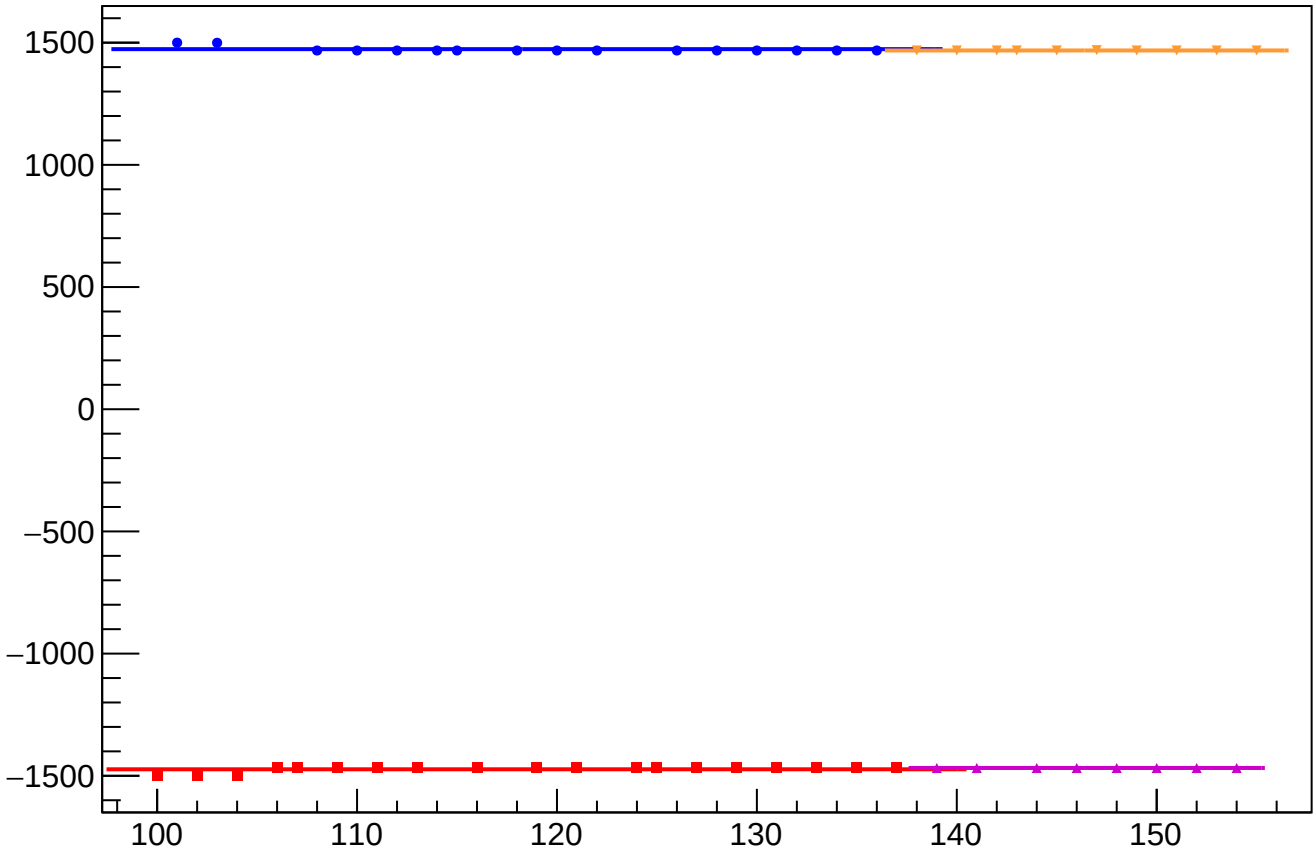
Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835 8

In: -0.002+/-0.000 χ^2/NDF:126667238448924677

Out: -1.331+/-0.000 χ^2/NDF:13645495417777073

All: -0.692+/-0.000 χ^2/NDF: 2632567097288

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.125+/-0.000 χ^2/NDF:131813013128890536078026834182144.0/9

Right Out: -1473.393+/-0.000 χ^2/NDF: 109909499733401078761067843300622336.0/18

Left In: -1467.984+/-0.000 χ^2/NDF:54774140284438614081202552832.0/7

Left: 88.325+/-0.000 χ^2/NDF: 3322022286087232

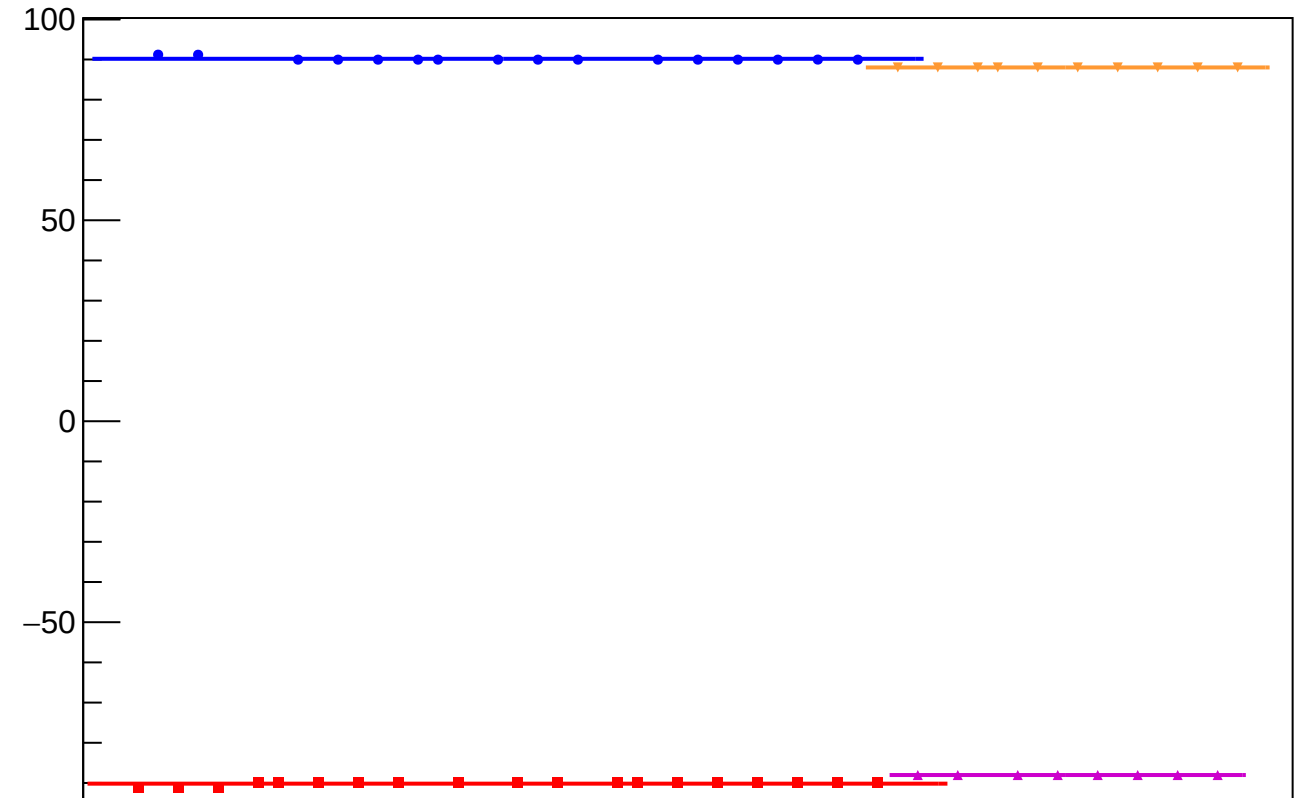
Right: -21.516+/-0.000 χ^2/NDF: 326469738591460

In: 16.768+/-0.000 χ^2/NDF:31751529477500477

Out: 50.325+/-0.000 χ^2/NDF:34199097040218965

All: 34.179+/-0.000 χ^2/NDF: 659592034704

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:2449028.1/9

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:369767.5/7

Left: 5.291+/-0.000 χ^2/NDF: 119422898529855198

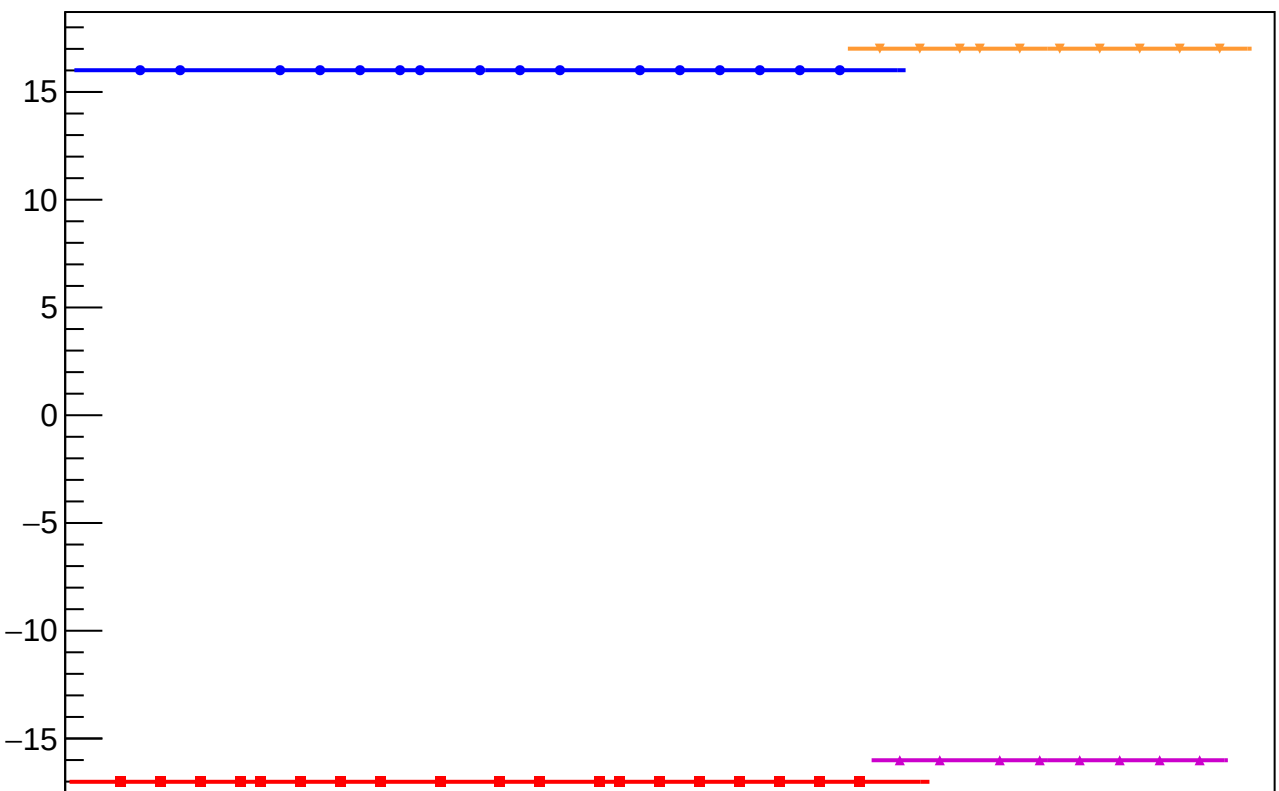
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: 1.926+/-0.000 χ^2/NDF:1165241783980089288

Out: 2.134+/-0.000 χ^2/NDF:12549548748615006

All: 2.034+/-0.000 χ^2/NDF: 2420199961906

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:9530542165714897677058048.0/9

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:44428.6/7

Left: 1.021+/-0.000 χ^2/NDF: 388006116139708480

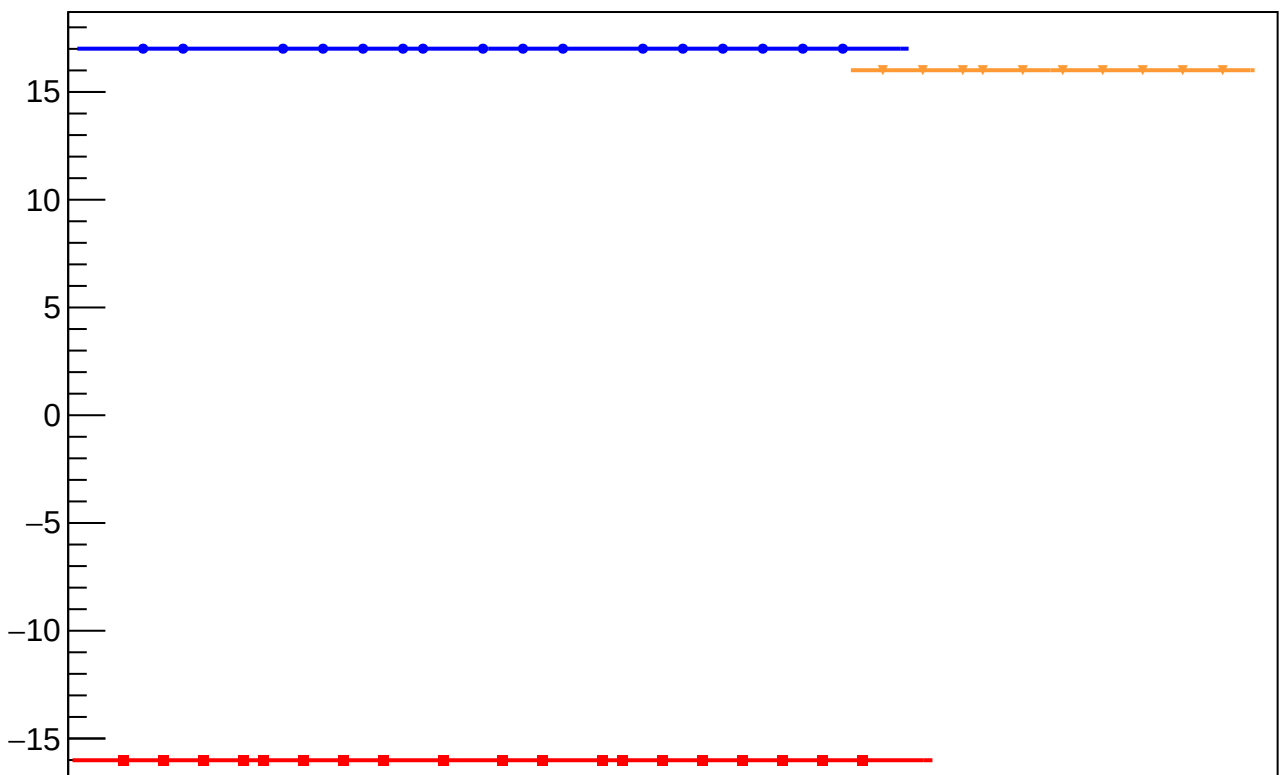
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: 0.138+/-0.000 χ^2/NDF:3567432085415548406

Out: 0.500+/-0.000 χ^2/NDF:412783797077840604

All: 0.321+/-0.000 χ^2/NDF: 76961949118486

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:47533.6/9

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:3433.1/7

Left: 0.402+/-0.000 χ^2/NDF: 417946012072623589

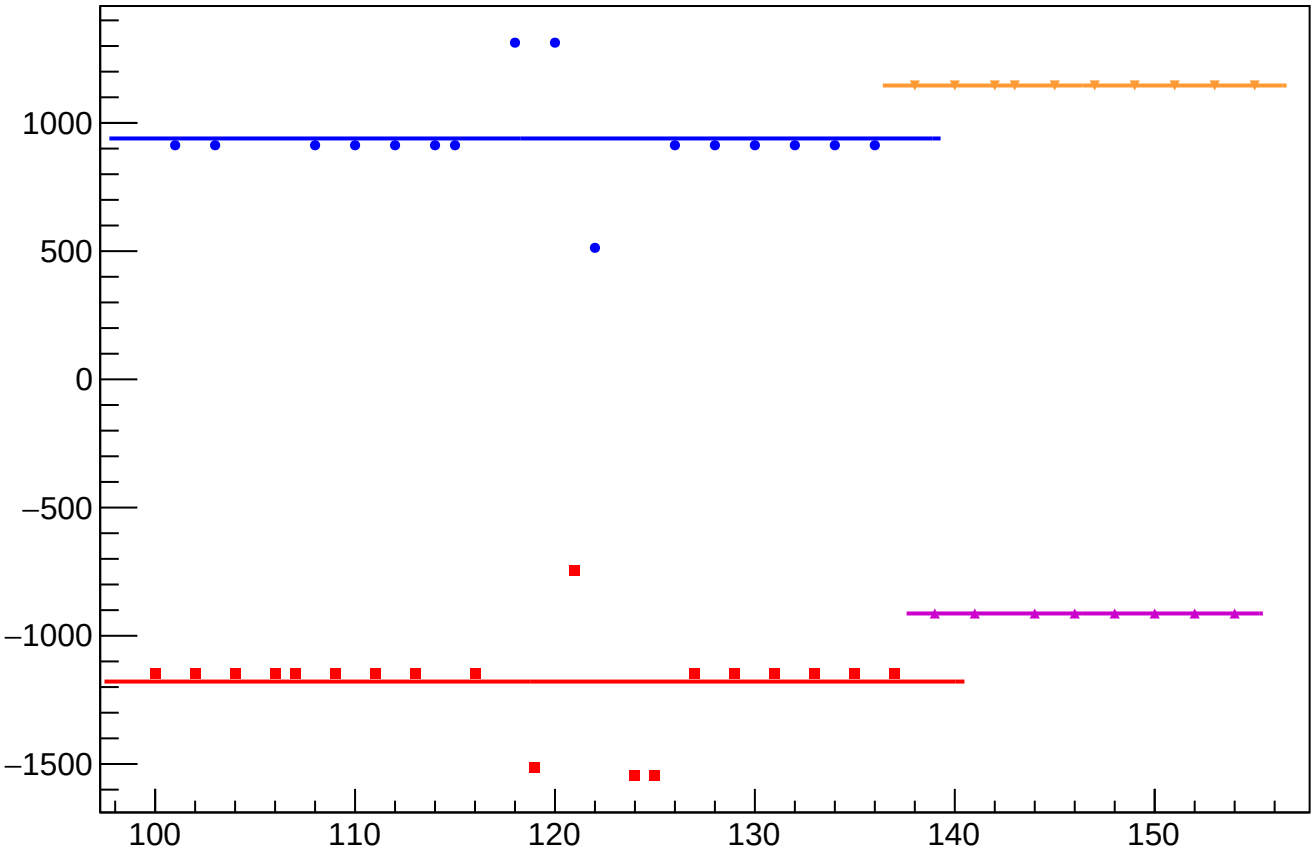
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -0.237+/-0.000 χ^2/NDF:414802510930444383

Out: 0.530+/-0.000 χ^2/NDF:401949714142640872

All: 0.164+/-0.000 χ^2/NDF: 81719367266524

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 178.399+/-0.000 χ^2/NDF: 1633700338429890

Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

Left Out: 1146.011+/-0.000 χ^2/NDF:279612185117737861847502028 8.0/9

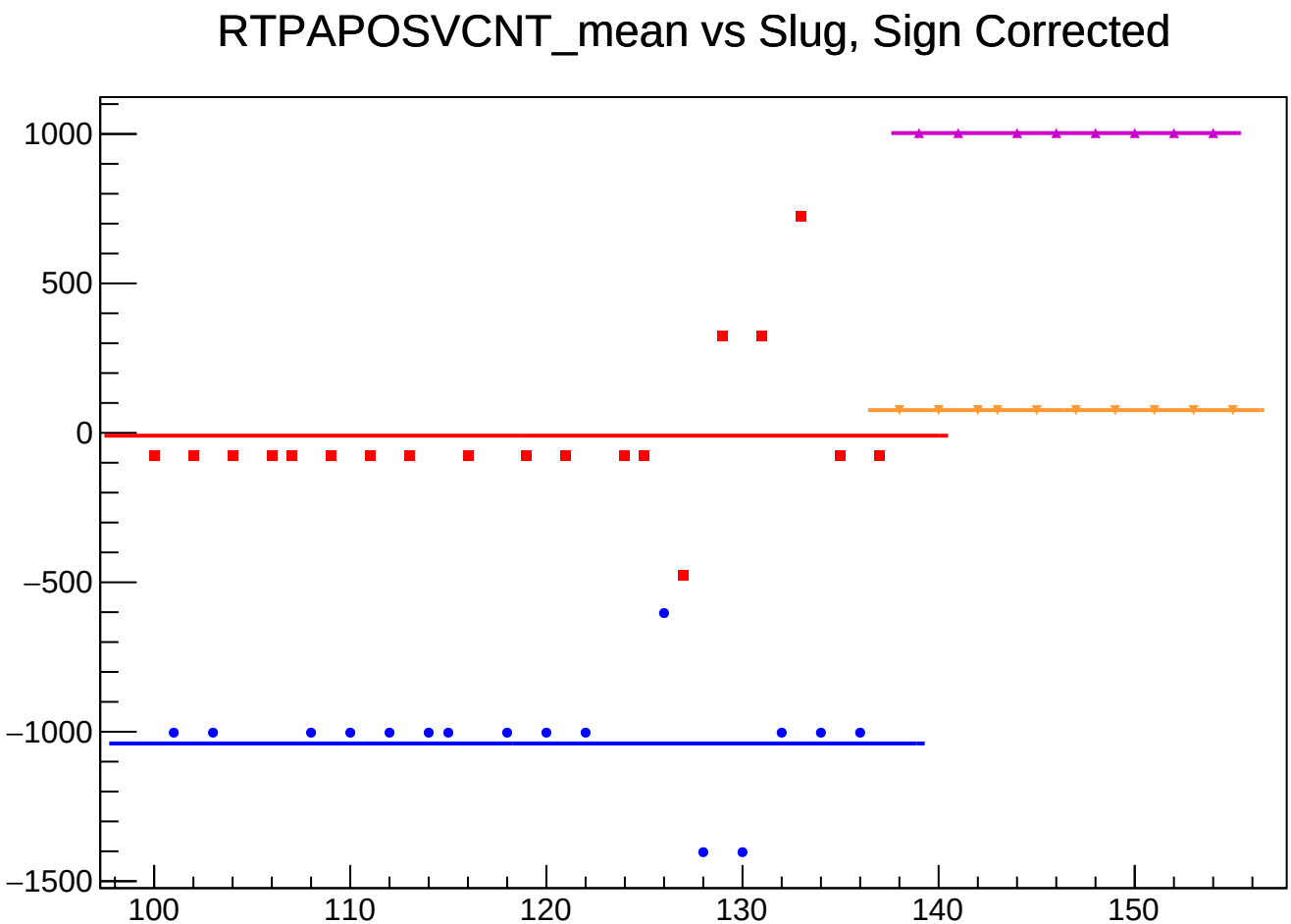
In: 22.059+/-0.000 χ^2/NDF:128034063307213318

Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

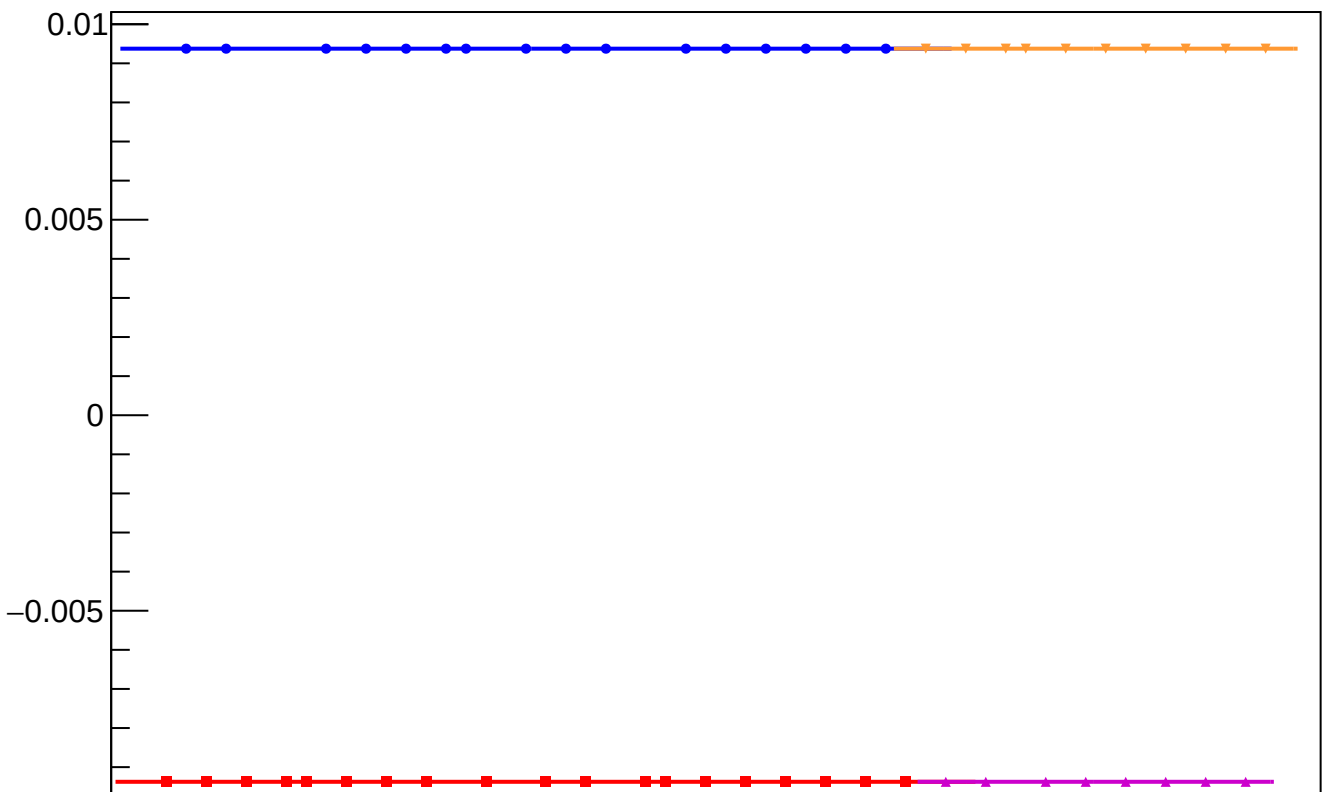
Out: 25.599+/-0.000 χ^2/NDF:21577676845611941

Left In: -912.993+/-0.000 χ^2/NDF:89546342839177402769253335 04.0/7

All: 23.896+/-0.000 χ^2/NDF: 343811786028


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
Right In: -1039.157+/-0.000 χ²/NDF: 228703773085071640027081015550845911040.0/15
Left Out: 76.011+/-0.000 χ²/NDF:2947033777627973640257536000.0/9
Right Out: -9.430+/-0.000 χ²/NDF: 460573947349287664748937365260515409920.0/18
Left In: 1002.989+/-0.000 χ²/NDF:1285748080015845251319070720.0/7
Left: 511.637+/-0.000 χ²/NDF: 3311292570181559
Right: -516.762+/-0.000 χ²/NDF: 46752928412988
In: -27.821+/-0.000 χ²/NDF:15532533713641663
Out: 34.829+/-0.000 χ²/NDF:4894264711106868
All: 4.684+/-0.000 χ²/NDF: 16051855763229

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:0.0/9

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/7

Left: 0.001+/-0.000 χ^2/NDF: 135475416127989189

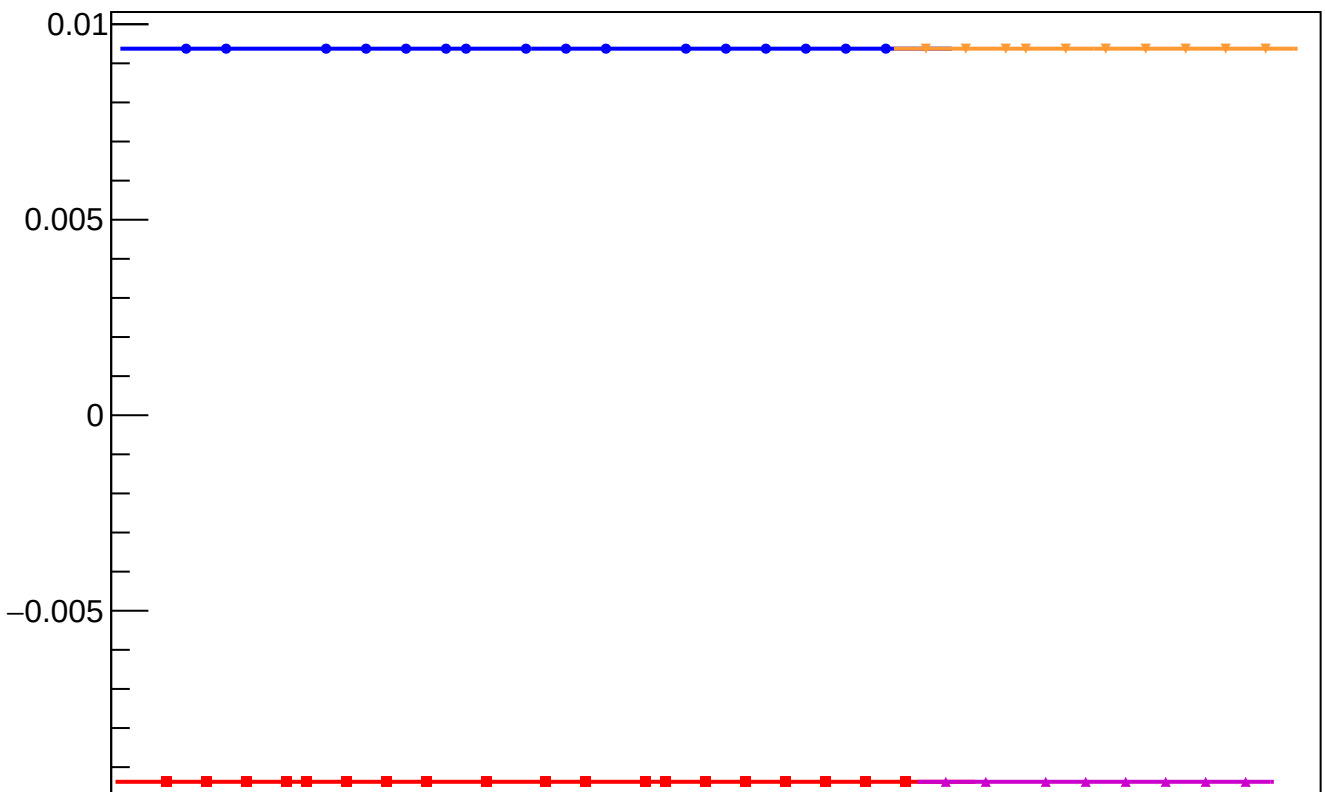
Right: -0.000+/-0.000 χ^2/NDF: 13215921604886955

In: 0.000+/-0.000 χ^2/NDF:1290117027844001610

Out: 0.000+/-0.000 χ^2/NDF:138950469835754614

All: 0.000+/-0.000 χ^2/NDF: 26800908001474

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:0.0/9

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/7

Left: 0.001+/-0.000 χ^2/NDF: 135475416127989189

Right: -0.000+/-0.000 χ^2/NDF: 13215921604886955

In: 0.000+/-0.000 χ^2/NDF:1290117027844001610

Out: 0.000+/-0.000 χ^2/NDF:138950469835754614

All: 0.000+/-0.000 χ^2/NDF: 26800908001474