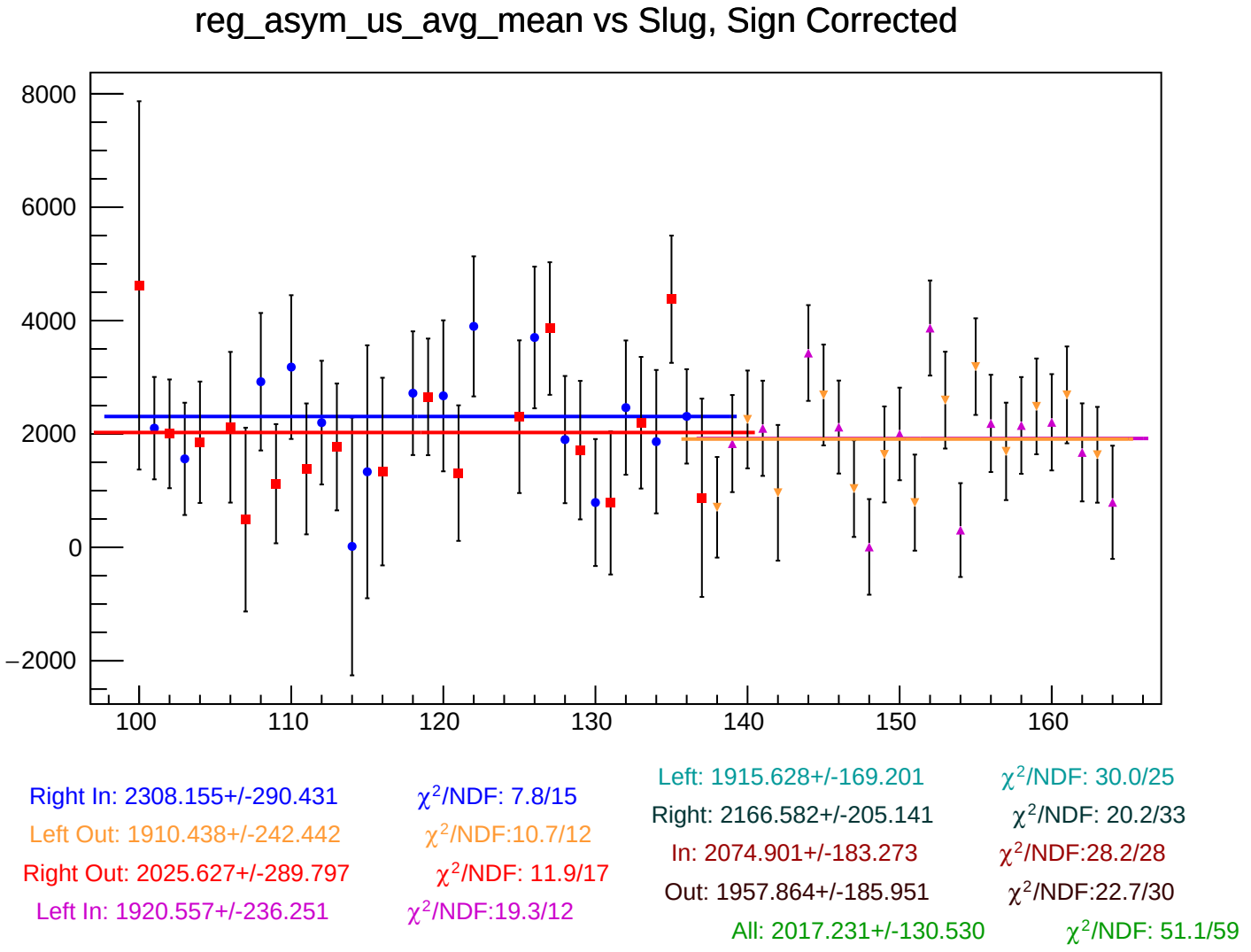
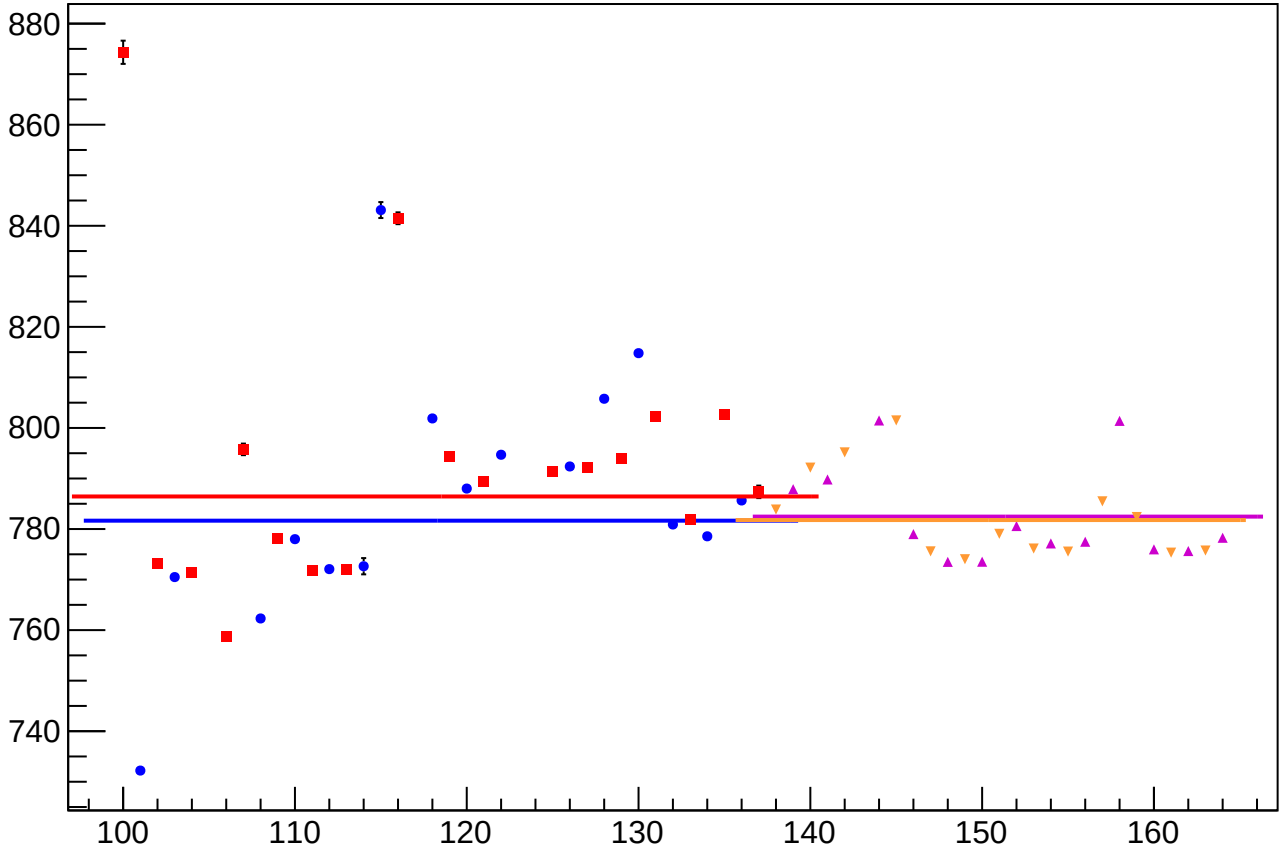

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1910.438+/-242.442
χ²/NDF:10.7/12
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 1920.557+/-236.251
χ²/NDF:19.3/12
Left: 1915.628+/-169.201
χ²/NDF: 30.0/25
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2074.901+/-183.273
χ²/NDF:28.2/28
Out: 1957.864+/-185.951
χ²/NDF:22.7/30
All: 2017.231+/-130.530
χ²/NDF: 51.1/59

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 781.777+/-0.171 χ^2/NDF:2275.5/12

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

Left In: 782.459+/-0.167 χ^2/NDF:3168.3/12

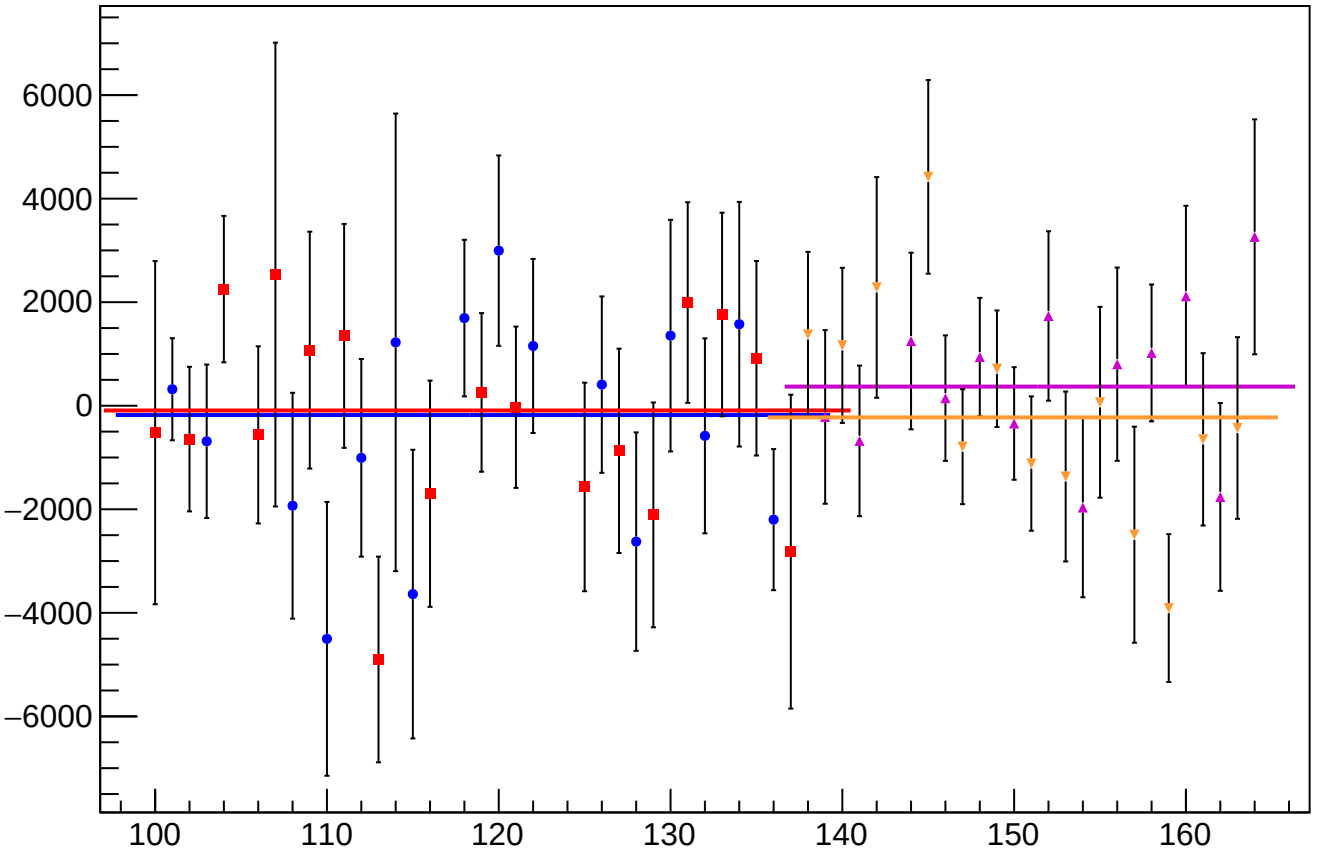
Left: 782.127+/-0.120 χ^2/NDF: 5451.9/25

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

In: 782.138+/-0.130 χ^2/NDF:15496.6/28

Out: 783.698+/-0.131 χ^2/NDF:9782.1/30

All: 782.907+/-0.092 χ^2/NDF: 25350.1/59



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

Left Out: -225.757+/-422.149 χ^2/NDF:19.3/12

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

Left In: 369.501+/-413.153 χ^2/NDF:8.4/12

Left: 78.283+/-295.272 χ^2/NDF: 28.7/25

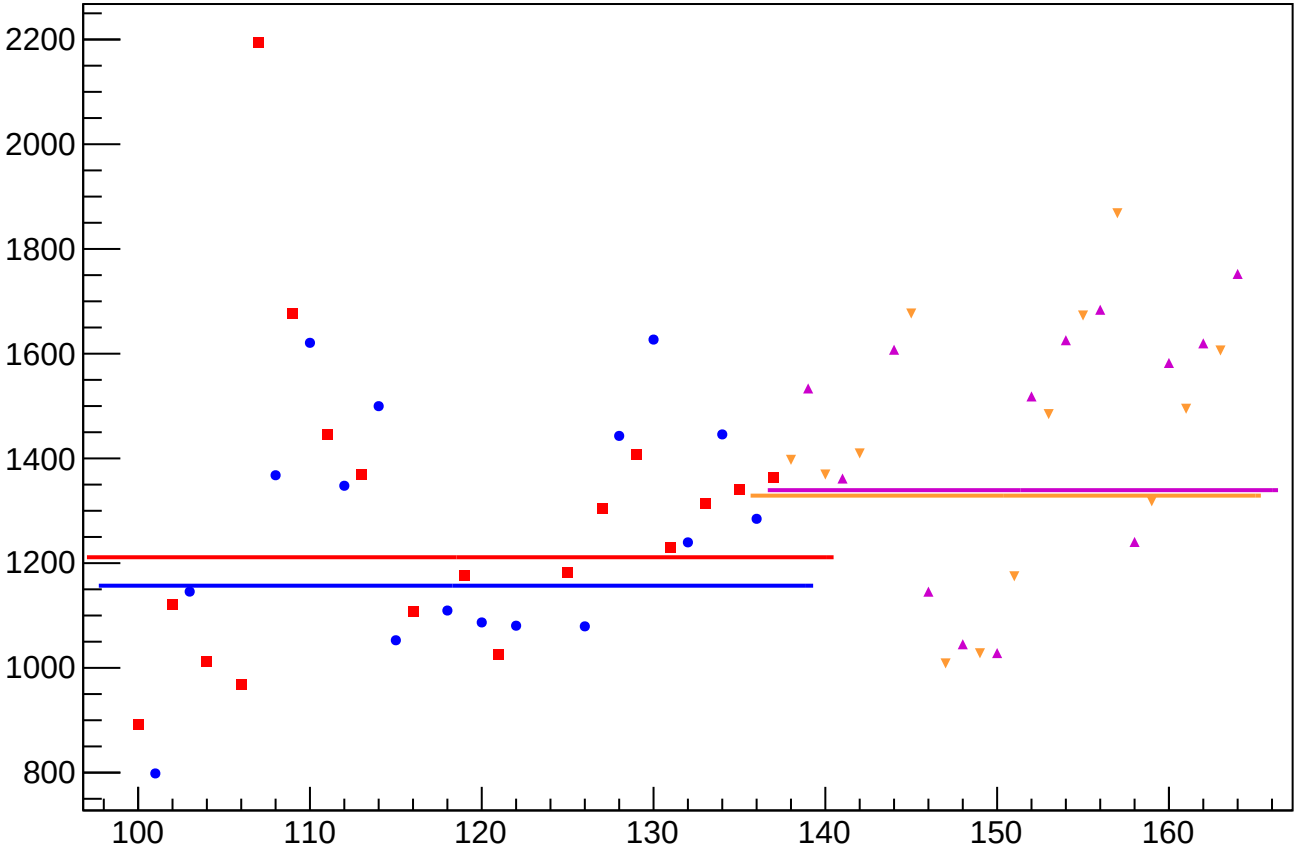
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 112.538+/-301.434 χ^2/NDF:24.6/28

Out: -163.524+/-309.408 χ^2/NDF:34.5/30

All: -21.890+/-215.910 χ^2/NDF: 59.6/59

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1328.939+/-0.299 χ^2/NDF:706234.3/12

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

Left In: 1339.388+/-0.292 χ^2/NDF:735197.7/12

Left: 1334.276+/-0.209 χ^2/NDF: 1442058.0/25

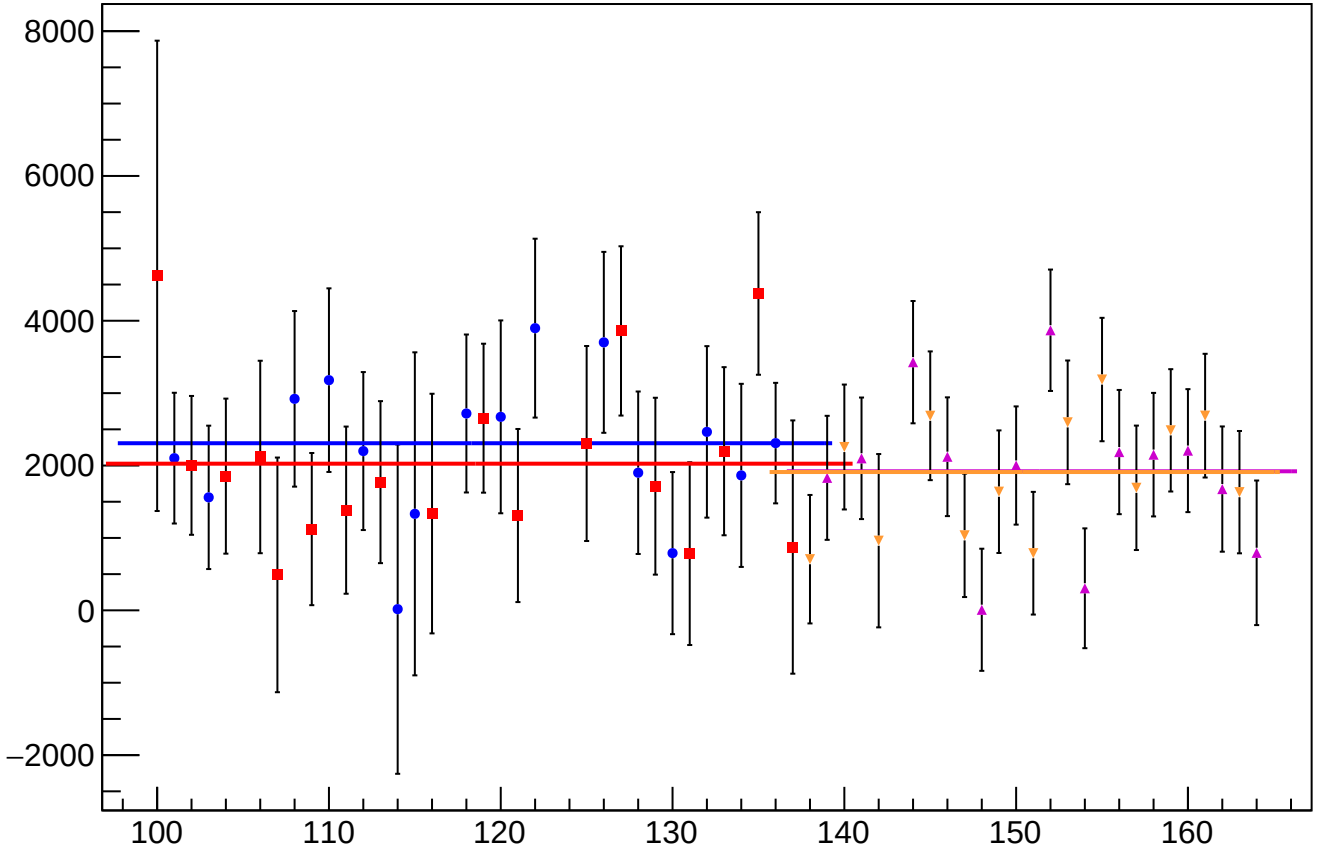
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1254.063+/-0.213 χ^2/NDF:1486710.4/28

Out: 1274.478+/-0.219 χ^2/NDF:1175871.3/30

All: 1264.004+/-0.153 χ^2/NDF: 2667048.9/59

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1910.438+/-242.442 χ^2/NDF:10.7/12

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

Left In: 1920.557+/-236.251 χ^2/NDF:19.3/12

Left: 1915.628+/-169.201 χ^2/NDF: 30.0/25

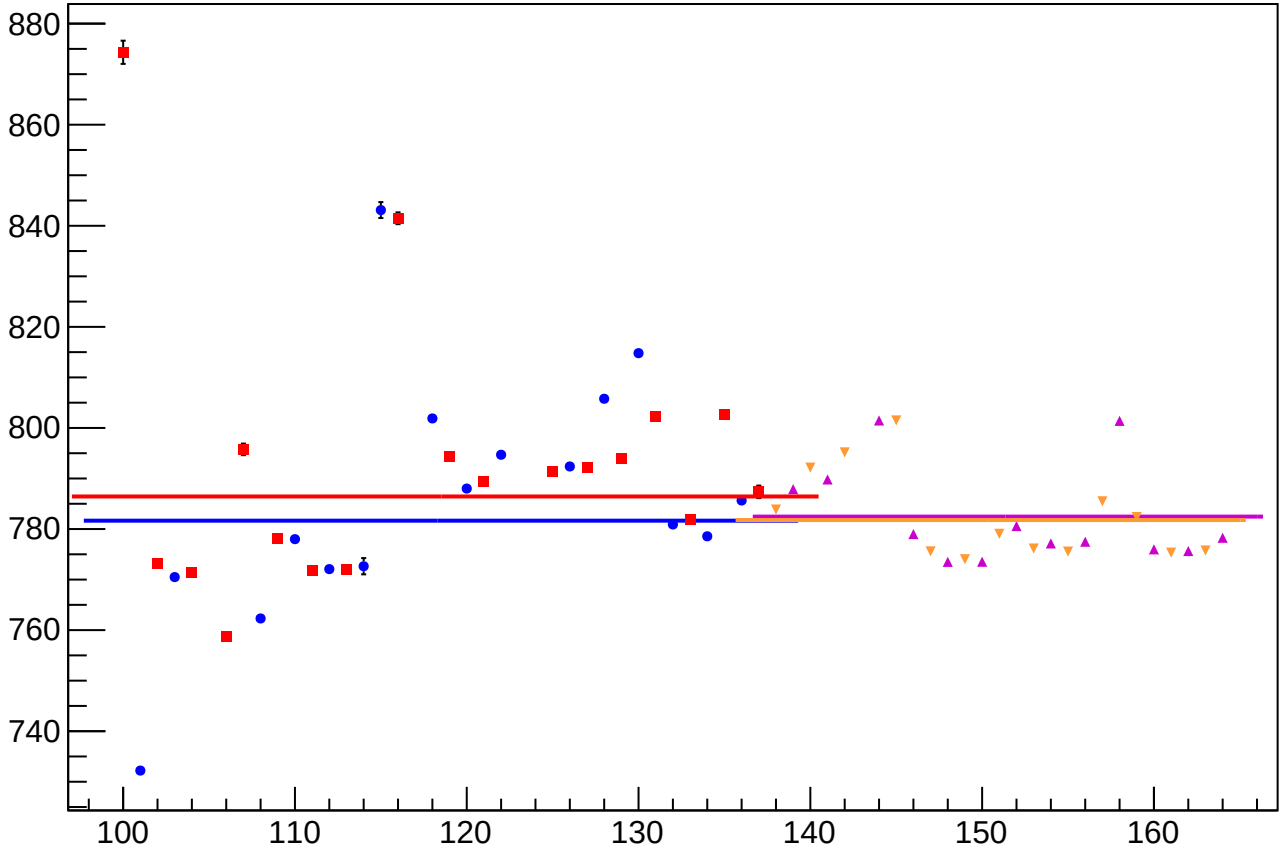
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2074.901+/-183.273 χ^2/NDF:28.2/28

Out: 1957.864+/-185.951 χ^2/NDF:22.7/30

All: 2017.231+/-130.530 χ^2/NDF: 51.1/59

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 781.777+/-0.171 χ^2/NDF:2275.5/12

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

Left In: 782.459+/-0.167 χ^2/NDF:3168.3/12

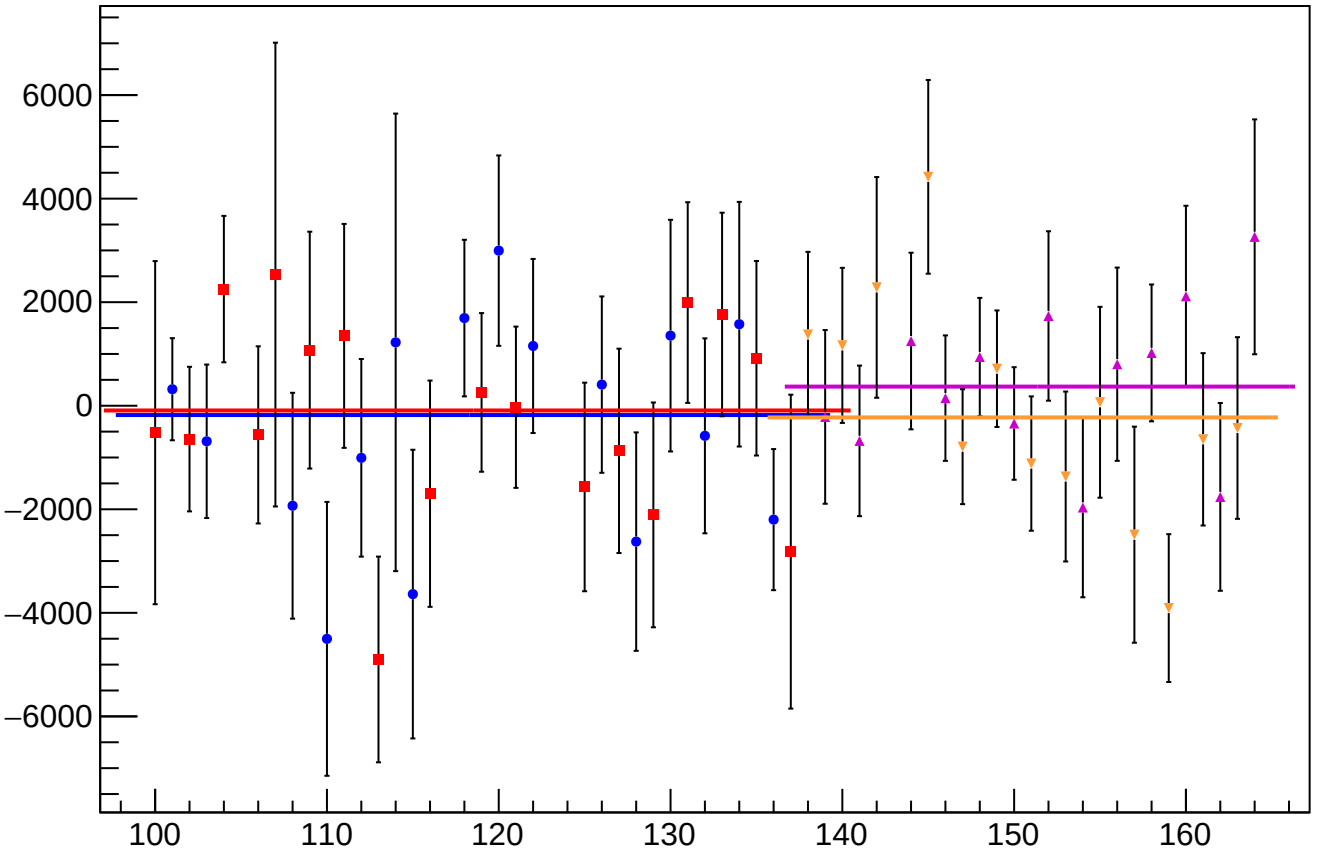
Left: 782.127+/-0.120 χ^2/NDF: 5451.9/25

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

In: 782.138+/-0.130 χ^2/NDF:15496.6/28

Out: 783.698+/-0.131 χ^2/NDF:9782.1/30

All: 782.907+/-0.092 χ^2/NDF: 25350.1/59



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

Left Out: -225.757+/-422.149 χ^2/NDF:19.3/12

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

Left In: 369.501+/-413.153 χ^2/NDF:8.4/12

Left: 78.283+/-295.272 χ^2/NDF: 28.7/25

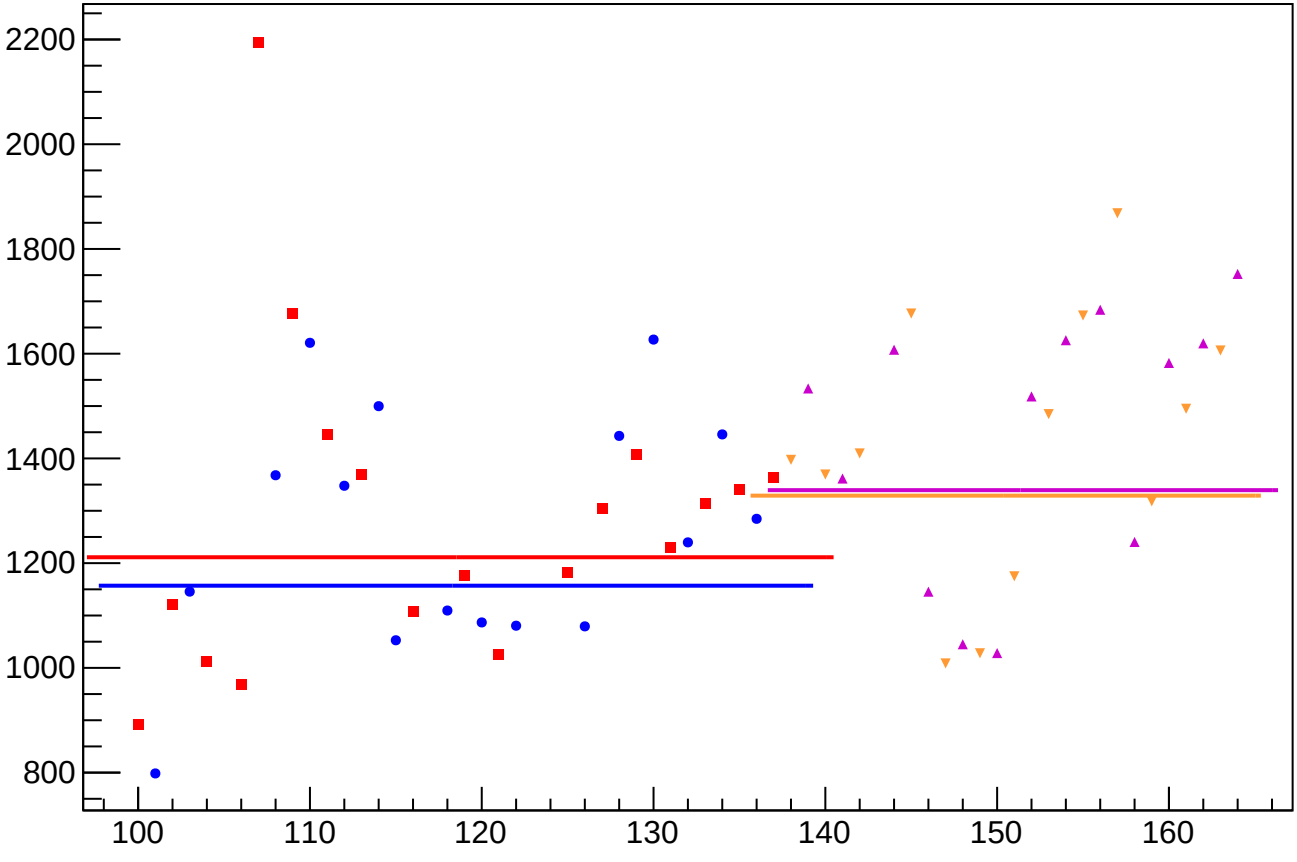
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 112.538+/-301.434 χ^2/NDF:24.6/28

Out: -163.524+/-309.408 χ^2/NDF:34.5/30

All: -21.890+/-215.910 χ^2/NDF: 59.6/59

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1328.939+/-0.299 χ^2/NDF:706234.3/12

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

Left In: 1339.388+/-0.292 χ^2/NDF:735197.7/12

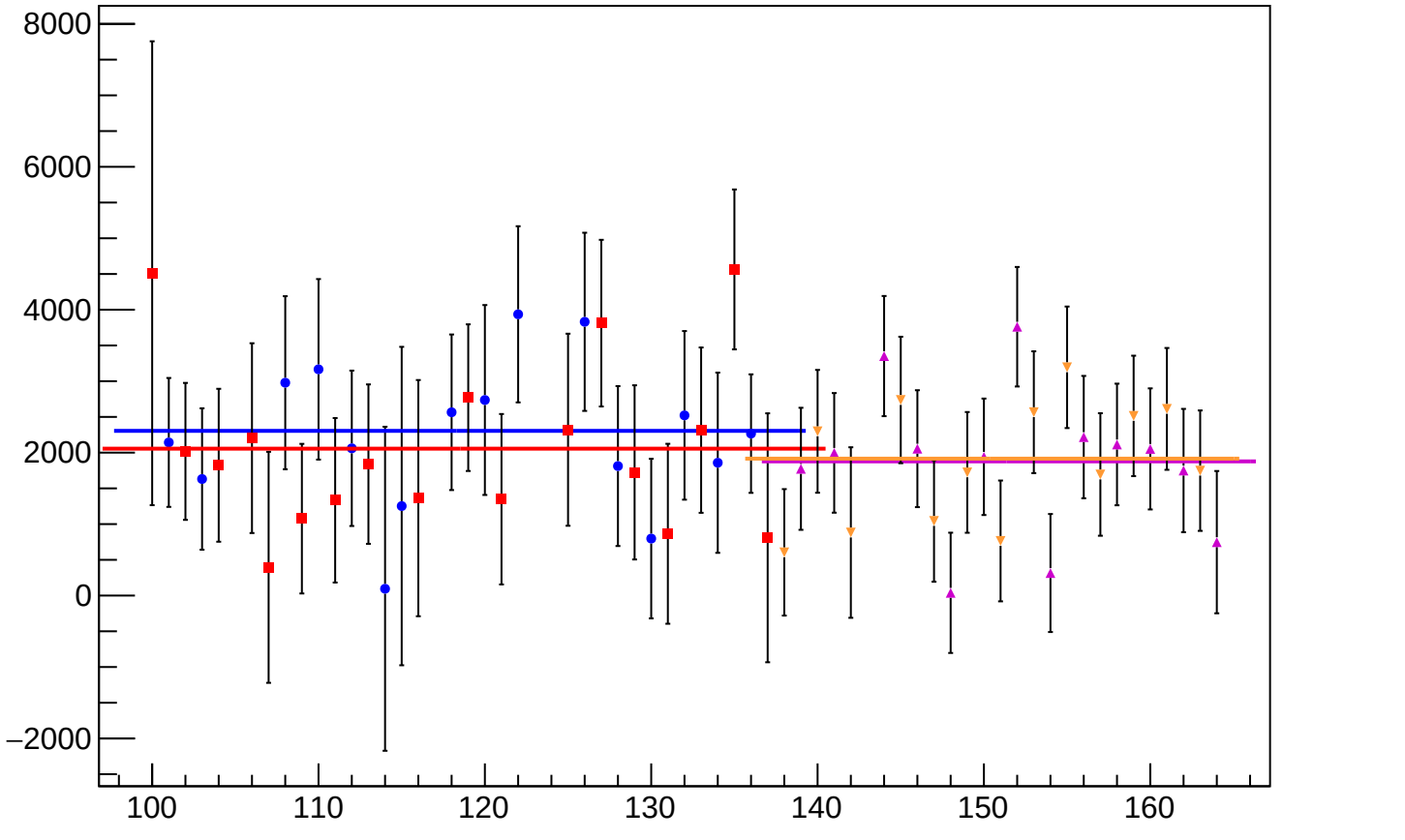
Left: 1334.276+/-0.209 χ^2/NDF: 1442058.0/25

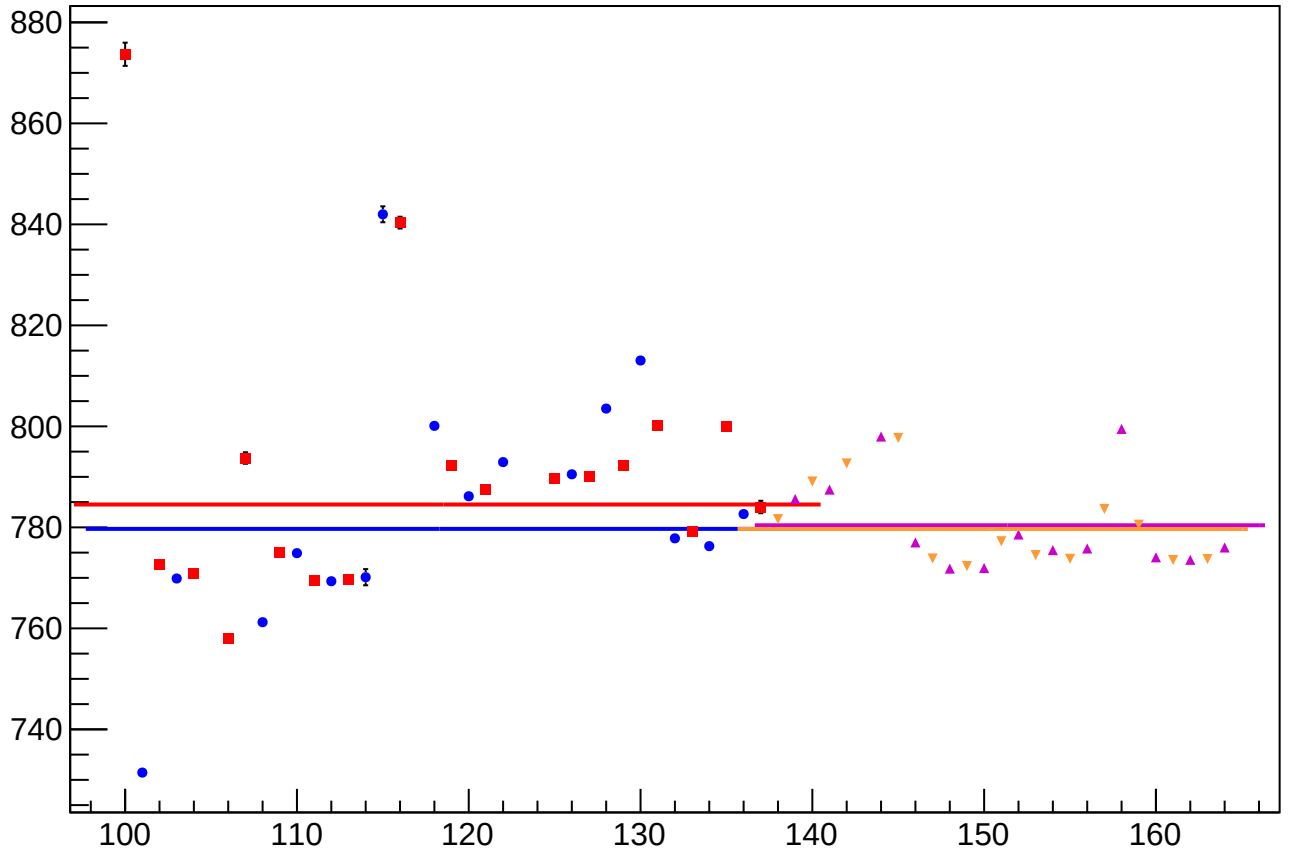
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1254.063+/-0.213 χ^2/NDF:1486710.4/28

Out: 1274.478+/-0.219 χ^2/NDF:1175871.3/30

All: 1264.004+/-0.153 χ^2/NDF: 2667048.9/59


overload_cor_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 2304.852+/-289.704 χ²/NDF: 8.1/15
Left Out: 1916.155+/-241.790 χ²/NDF:11.1/12
Right Out: 2055.666+/-289.090 χ²/NDF: 12.9/17
Left In: 1877.730+/-235.632 χ²/NDF:18.2/12
Left: 1896.447+/-168.752 χ²/NDF: 29.3/25
Right: 2179.995+/-204.634 χ²/NDF: 21.3/33
In: 2047.789+/-182.801 χ²/NDF:27.6/28
Out: 1973.578+/-185.470 χ²/NDF:24.1/30
All: 2011.222+/-130.193 χ²/NDF: 51.7/59



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

Left Out: 779.684+/-0.171 χ^2/NDF:1996.8/12

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

Left In: 780.411+/-0.167 χ^2/NDF:2968.6/12

Left: 780.057+/-0.119 χ^2/NDF: 4974.7/25

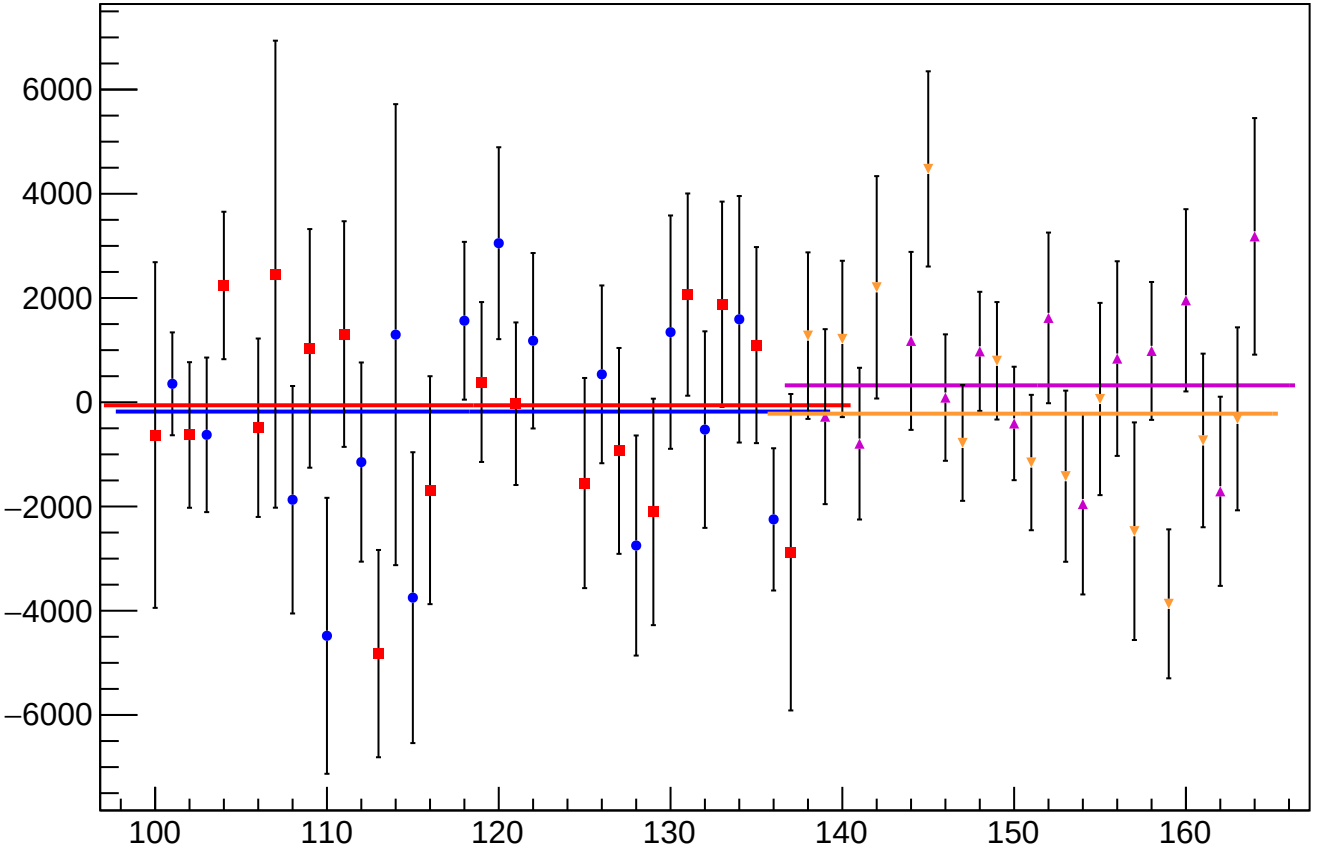
Right: 782.118+/-0.145 χ^2/NDF: 19498.0/33

In: 780.129+/-0.129 χ^2/NDF:15036.1/28

Out: 781.677+/-0.131 χ^2/NDF:9486.7/30

All: 780.891+/-0.092 χ^2/NDF: 24593.4/59

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -218.951+/-422.561 χ^2/NDF:19.3/12

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

Left In: 323.953+/-413.533 χ^2/NDF:8.2/12

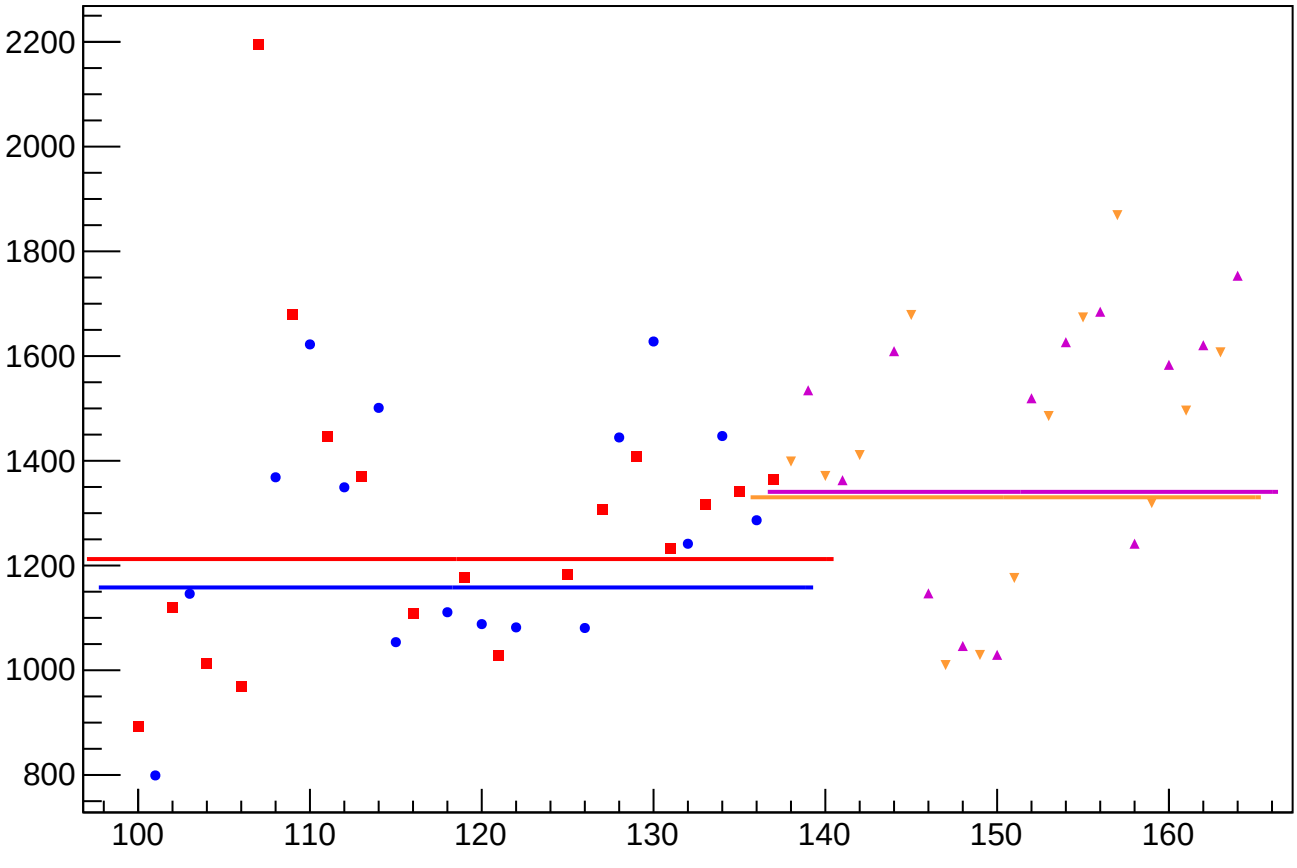
Left: 58.362+/-295.552 χ^2/NDF: 28.3/25

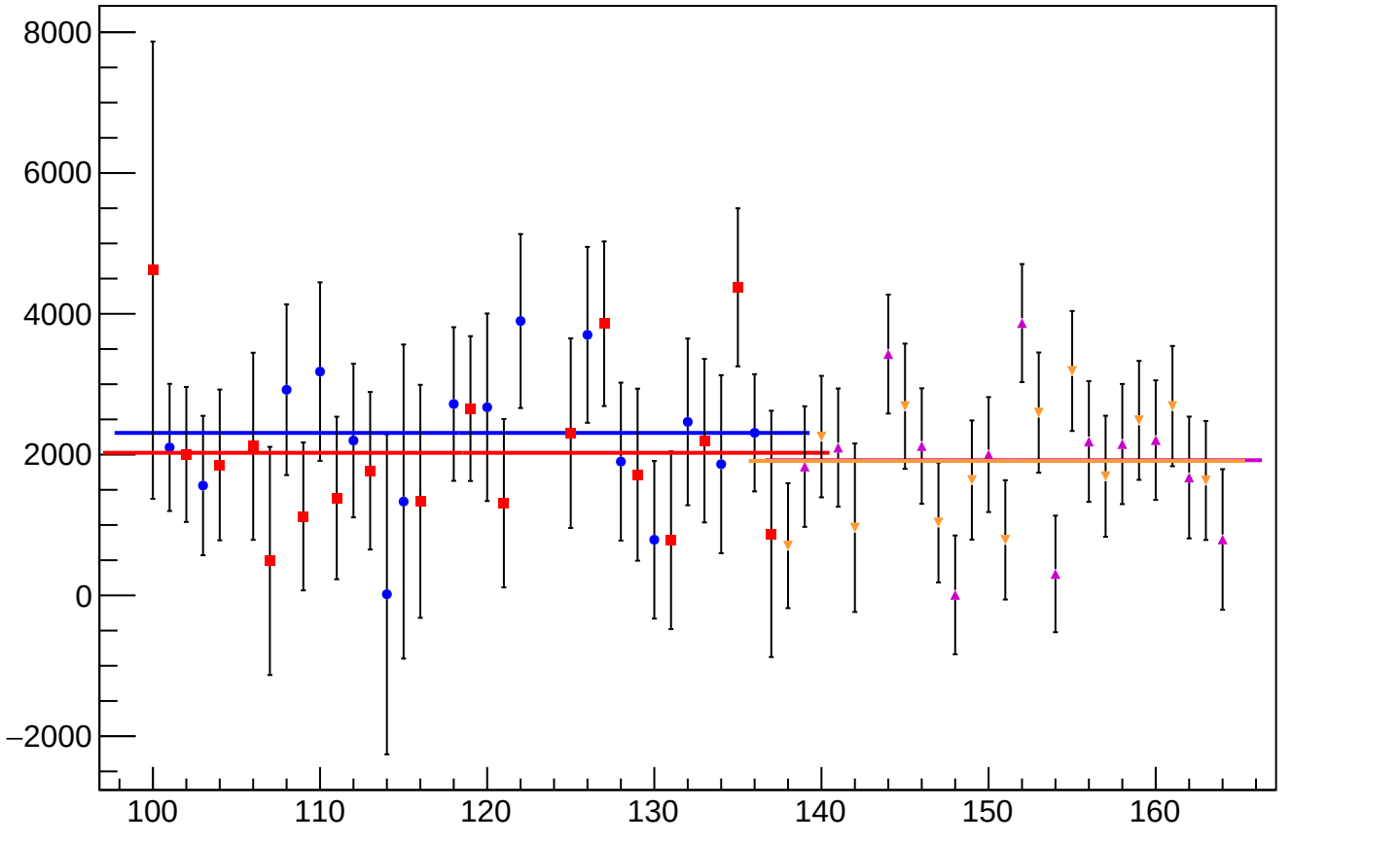
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: 89.004+/-301.725 χ^2/NDF:24.6/28

Out: -144.474+/-309.697 χ^2/NDF:34.6/30

All: -24.691+/-216.115 χ^2/NDF: 59.5/59


asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1158.134+/-0.312 χ²/NDF: 569144.8/15
Left Out: 1330.315+/-0.299 χ²/NDF:704392.8/12
Right Out: 1212.347+/-0.322 χ²/NDF: 397938.1/17
Left In: 1340.686+/-0.292 χ²/NDF:733479.5/12
Left: 1335.612+/-0.209 χ²/NDF: 1438487.7/25
Right: 1184.394+/-0.224 χ²/NDF: 981708.9/33
In: 1255.316+/-0.213 χ²/NDF:1484888.6/28
Out: 1275.713+/-0.219 χ²/NDF:1174478.1/30
All: 1265.249+/-0.153 χ²/NDF: 2663817.3/59



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

Left Out: 1910.438+/-242.442 χ^2/NDF:10.7/12

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

Left In: 1920.557+/-236.251 χ^2/NDF:19.3/12

Left: 1915.628+/-169.201 χ^2/NDF: 30.0/25

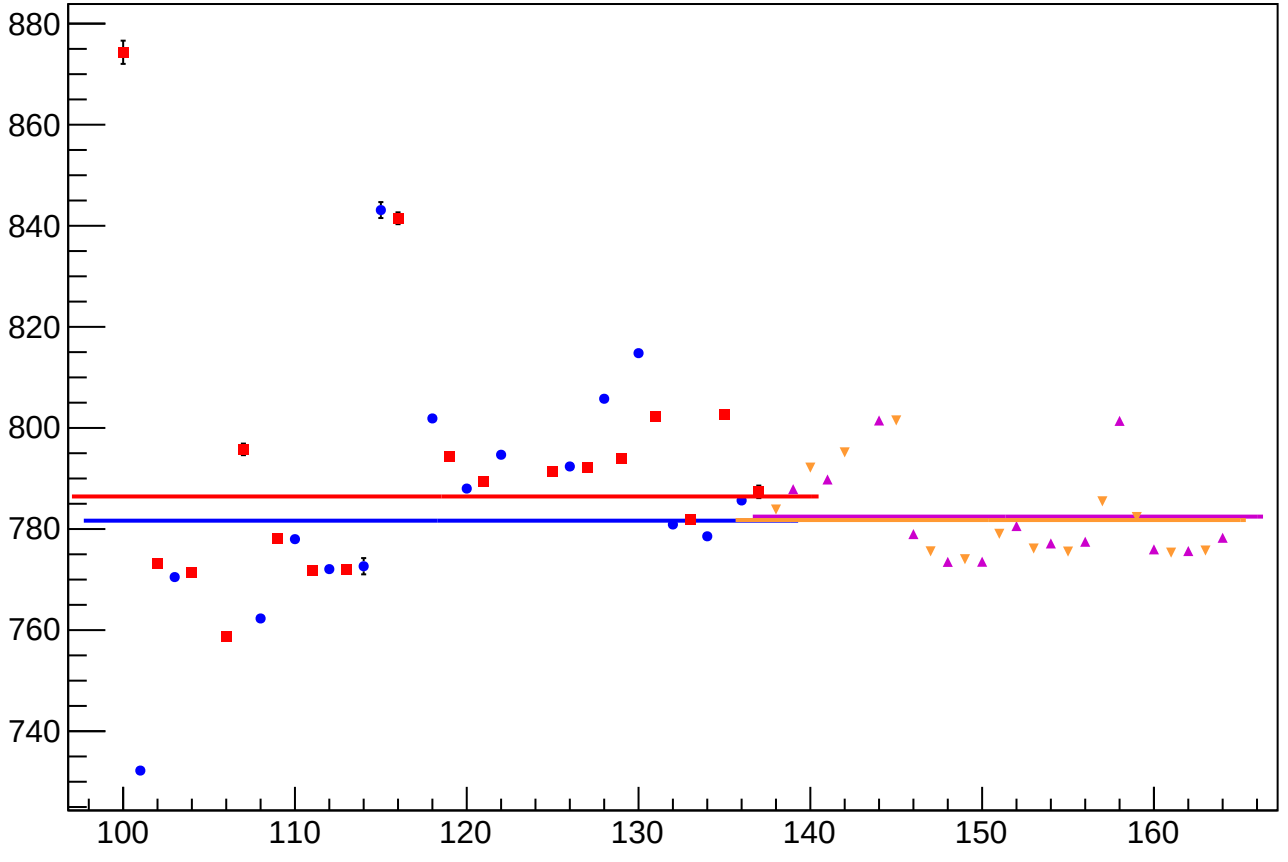
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2074.901+/-183.273 χ^2/NDF:28.2/28

Out: 1957.864+/-185.951 χ^2/NDF:22.7/30

All: 2017.231+/-130.530 χ^2/NDF: 51.1/59

eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 781.777+/-0.171 χ^2/NDF:2275.5/12

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

Left In: 782.459+/-0.167 χ^2/NDF:3168.3/12

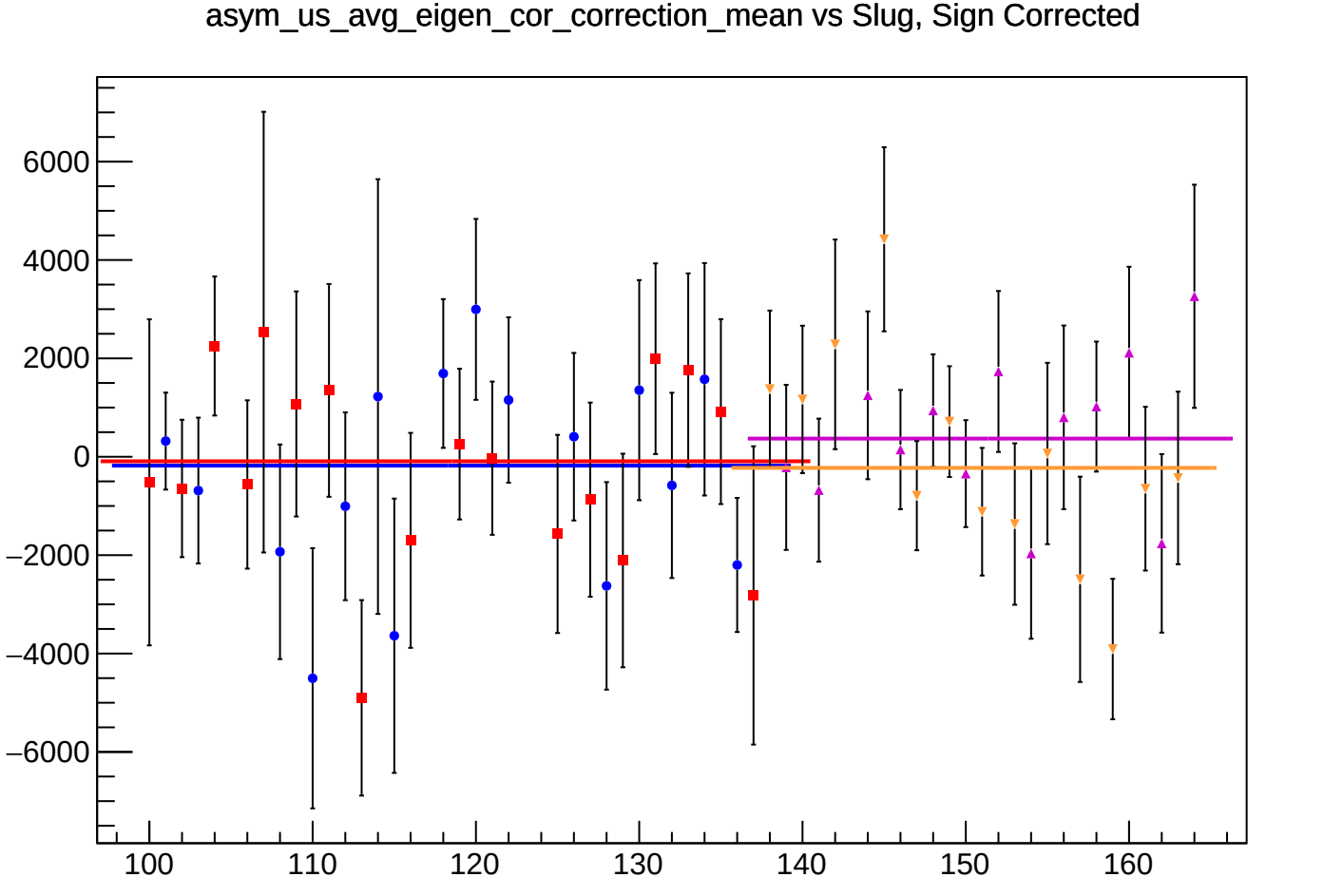
Left: 782.127+/-0.120 χ^2/NDF: 5451.9/25

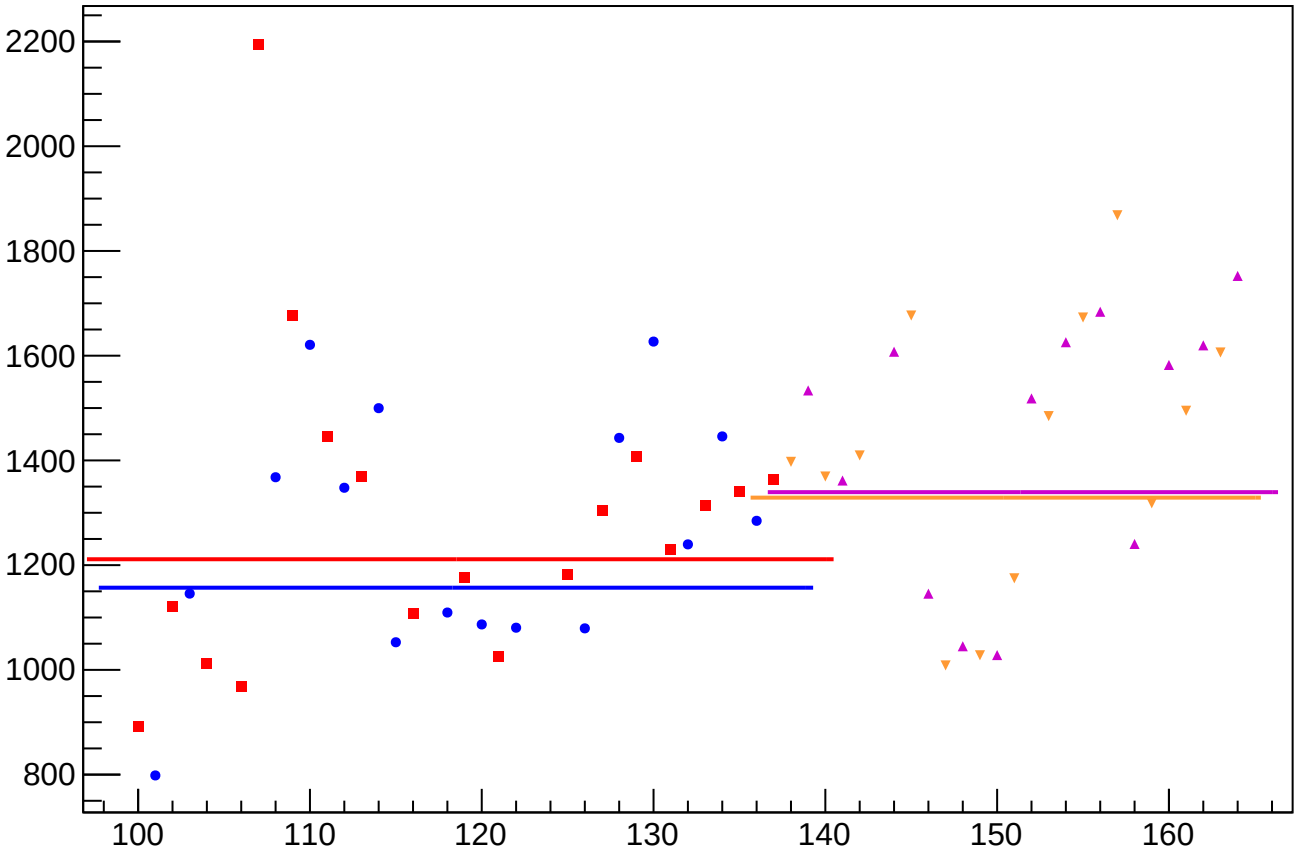
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 782.138+/-0.130 χ^2/NDF:15496.6/28

Out: 783.698+/-0.131 χ^2/NDF:9782.1/30

All: 782.907+/-0.092 χ^2/NDF: 25350.1/59


asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -225.757+/-422.149 χ²/NDF:19.3/12
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 369.501+/-413.153 χ²/NDF:8.4/12
Left: 78.283+/-295.272 χ²/NDF: 28.7/25
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: 112.538+/-301.434 χ²/NDF:24.6/28
Out: -163.524+/-309.408 χ²/NDF:34.5/30
All: -21.890+/-215.910 χ²/NDF: 59.6/59



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

Left Out: 1328.939+/-0.299 χ^2/NDF:706234.3/12

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

Left In: 1339.388+/-0.292 χ^2/NDF:735197.7/12

Left: 1334.276+/-0.209 χ^2/NDF: 1442058.0/25

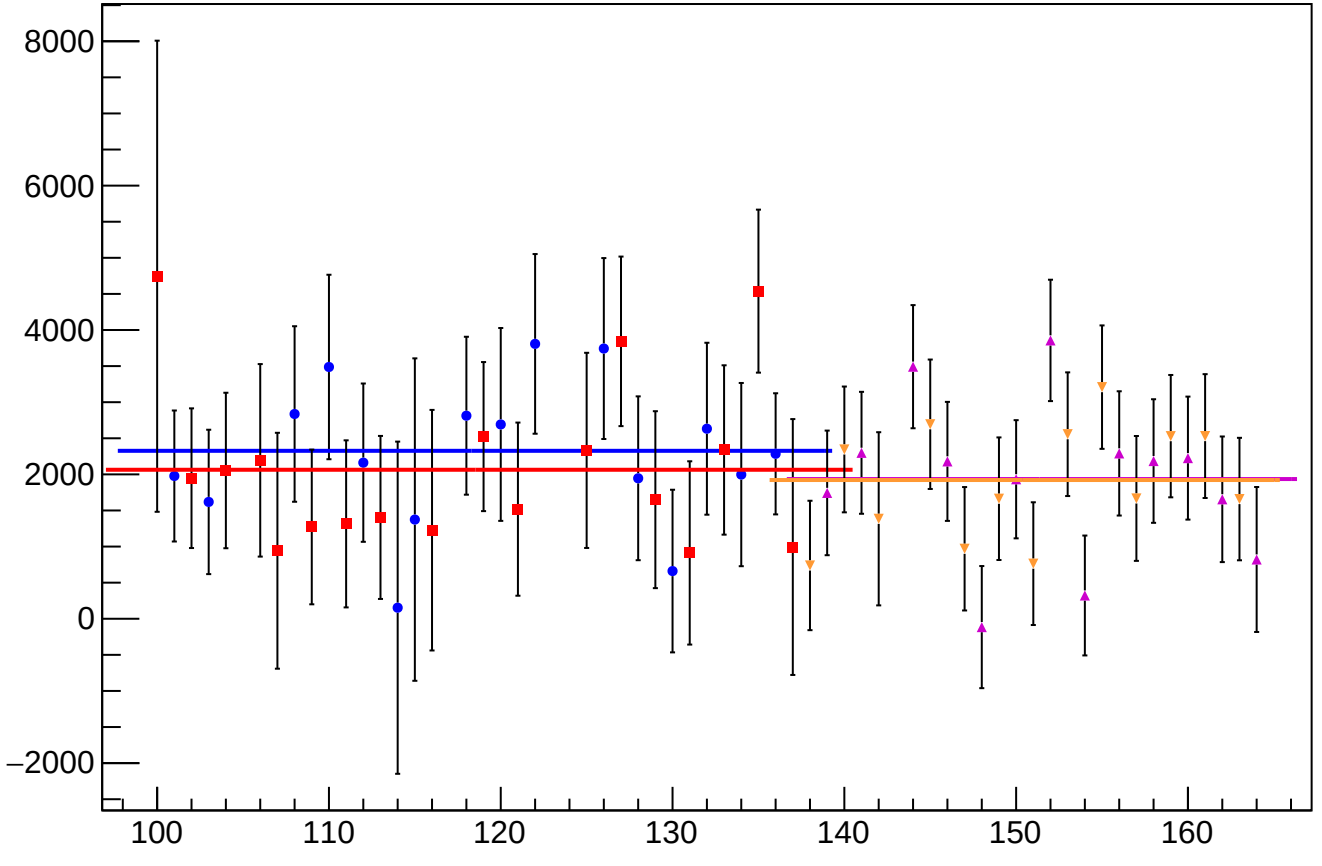
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1254.063+/-0.213 χ^2/NDF:1486710.4/28

Out: 1274.478+/-0.219 χ^2/NDF:1175871.3/30

All: 1264.004+/-0.153 χ^2/NDF: 2667048.9/59

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1921.768+/-243.612 χ^2/NDF:10.1/12

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

Left In: 1935.390+/-237.353 χ^2/NDF:20.2/12

Left: 1928.756+/-170.004 χ^2/NDF: 30.4/25

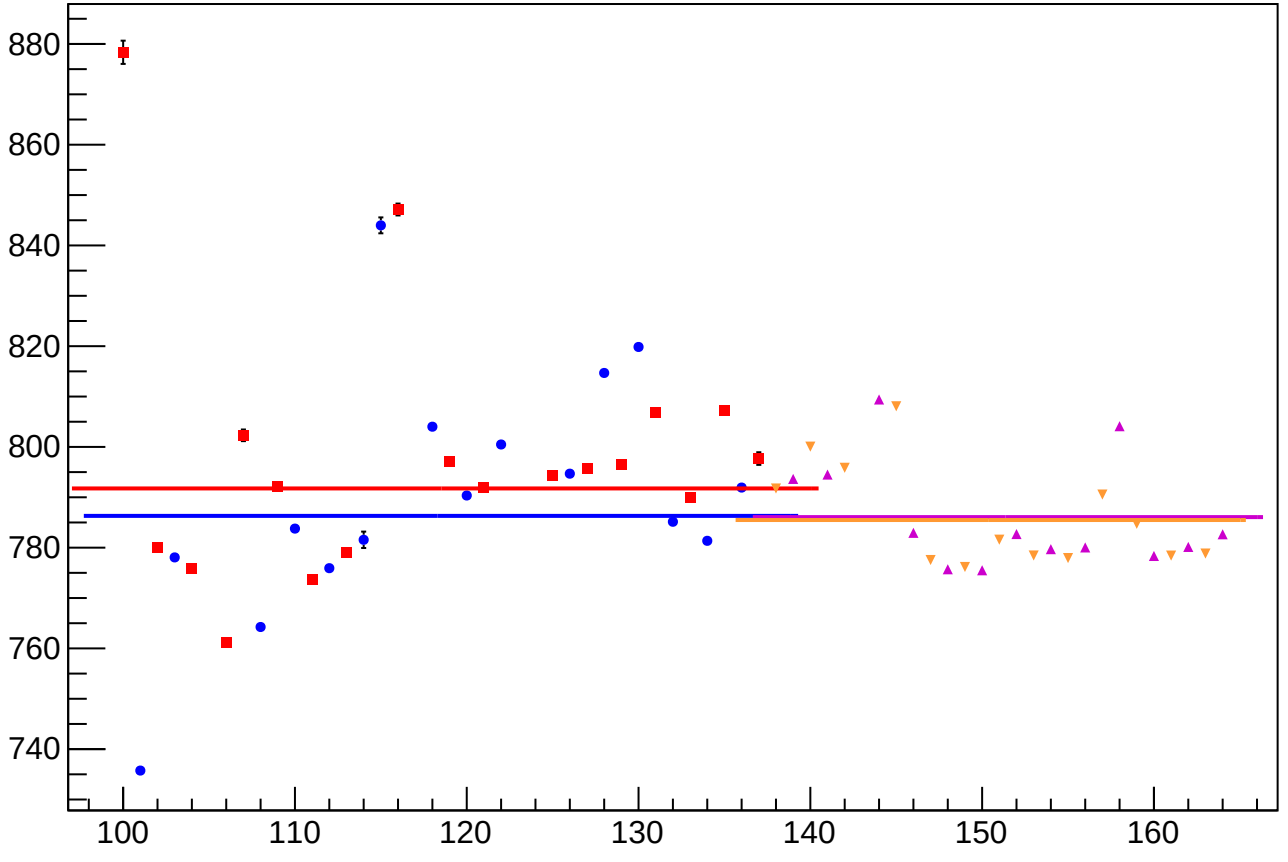
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2090.855+/-184.225 χ^2/NDF:29.5/28

Out: 1980.178+/-187.005 χ^2/NDF:21.9/30

All: 2036.345+/-131.239 χ^2/NDF: 51.5/59

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 785.487+/-0.172 χ^2/NDF:3150.3/12

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

Left In: 786.066+/-0.168 χ^2/NDF:3929.6/12

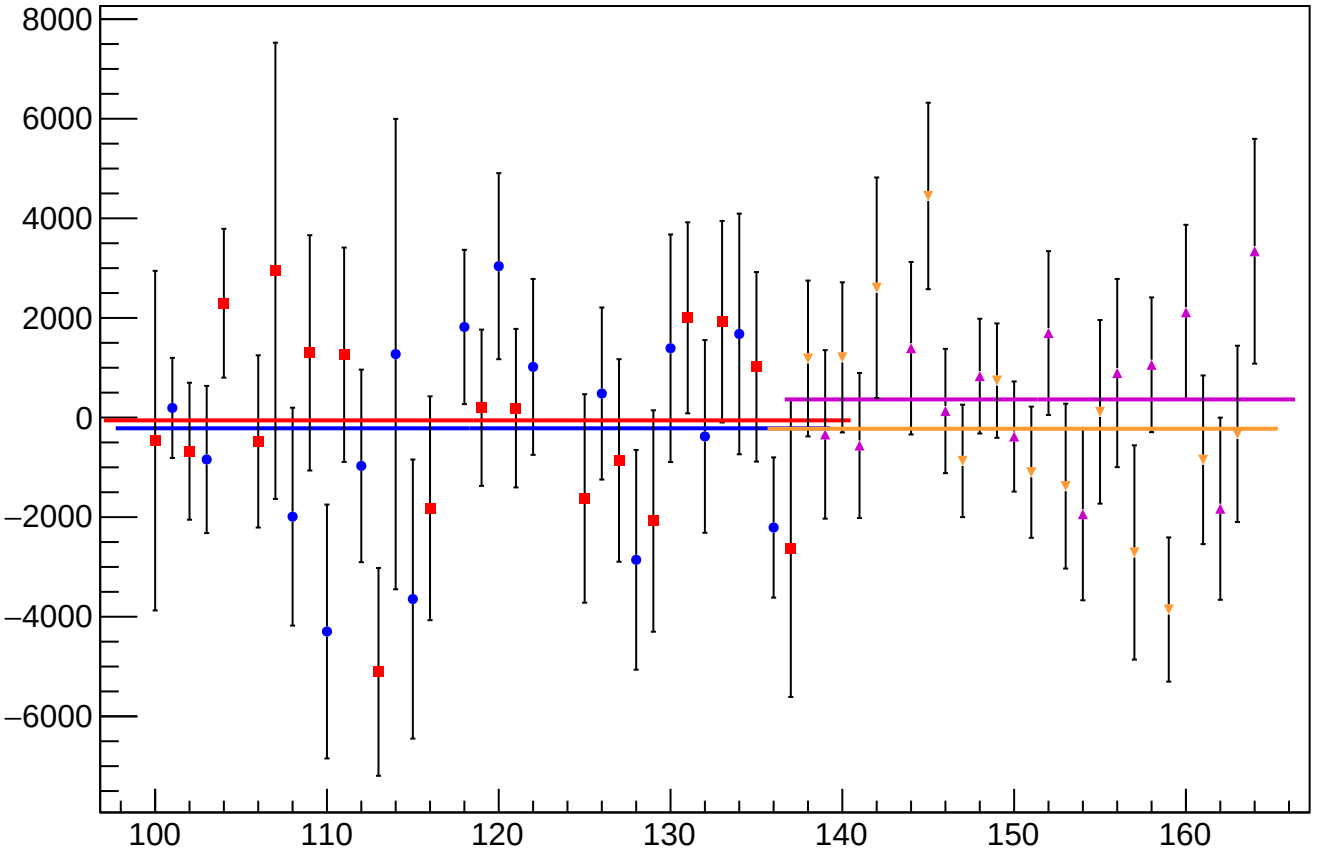
Left: 785.784+/-0.120 χ^2/NDF: 7085.7/25

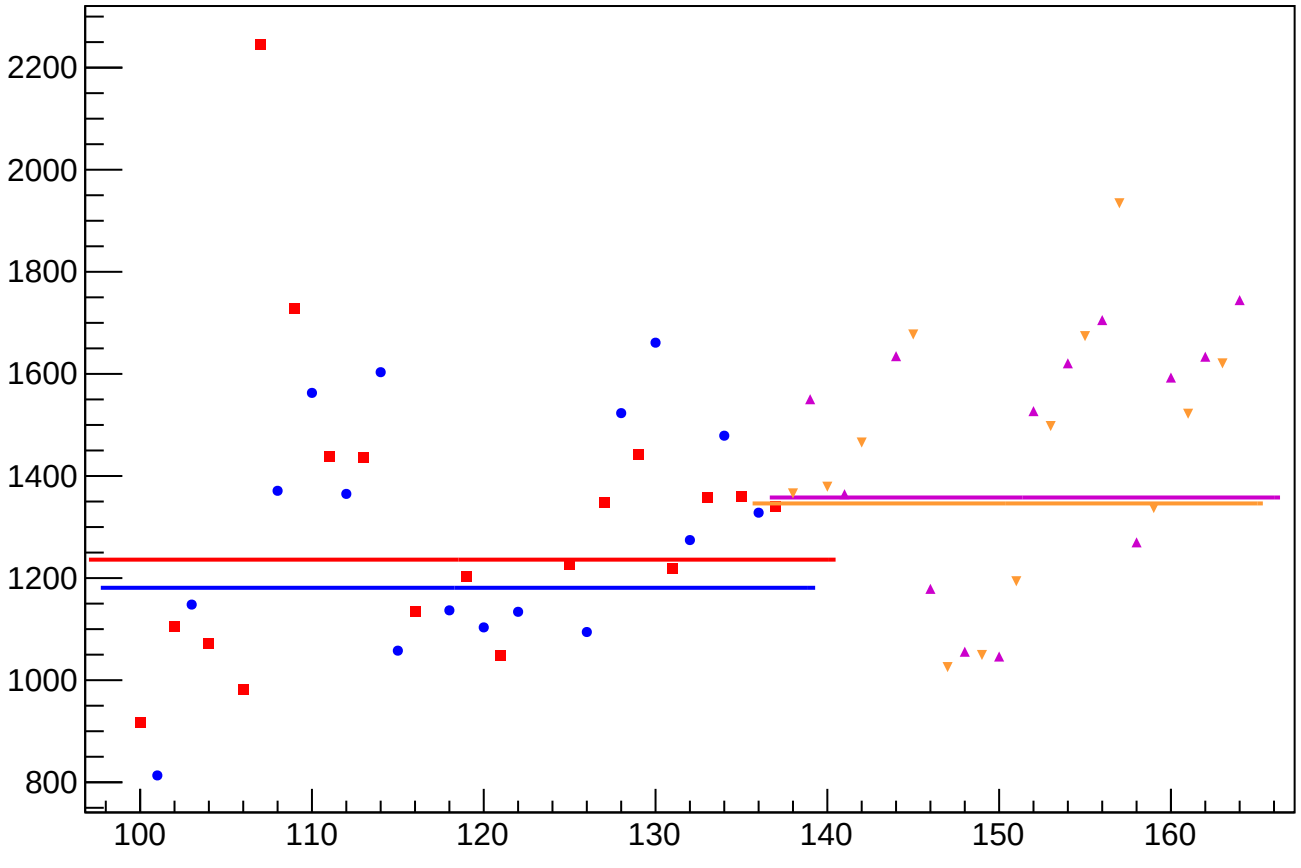
Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

In: 786.163+/-0.130 χ^2/NDF:16501.5/28

Out: 788.062+/-0.132 χ^2/NDF:10709.5/30

All: 787.098+/-0.093 χ^2/NDF: 27315.7/59


asym_us_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -216.184+/-449.537 χ²/NDF: 15.3/15
Left Out: -224.785+/-427.291 χ²/NDF:19.3/12
Right Out: -56.784+/-463.978 χ²/NDF: 15.1/17
Left In: 363.760+/-418.257 χ²/NDF:8.5/12
Left: 75.775+/-298.895 χ²/NDF: 28.8/25
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: 94.665+/-306.214 χ²/NDF:24.7/28
Out: -147.688+/-314.311 χ²/NDF:34.5/30
All: -23.350+/-219.333 χ²/NDF: 59.5/59



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

Left Out: 1346.244+/-0.302 χ^2/NDF:690479.8/12

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

Left In: 1357.903+/-0.296 χ^2/NDF:697735.6/12

Left: 1352.198+/-0.211 χ^2/NDF: 1388975.9/25

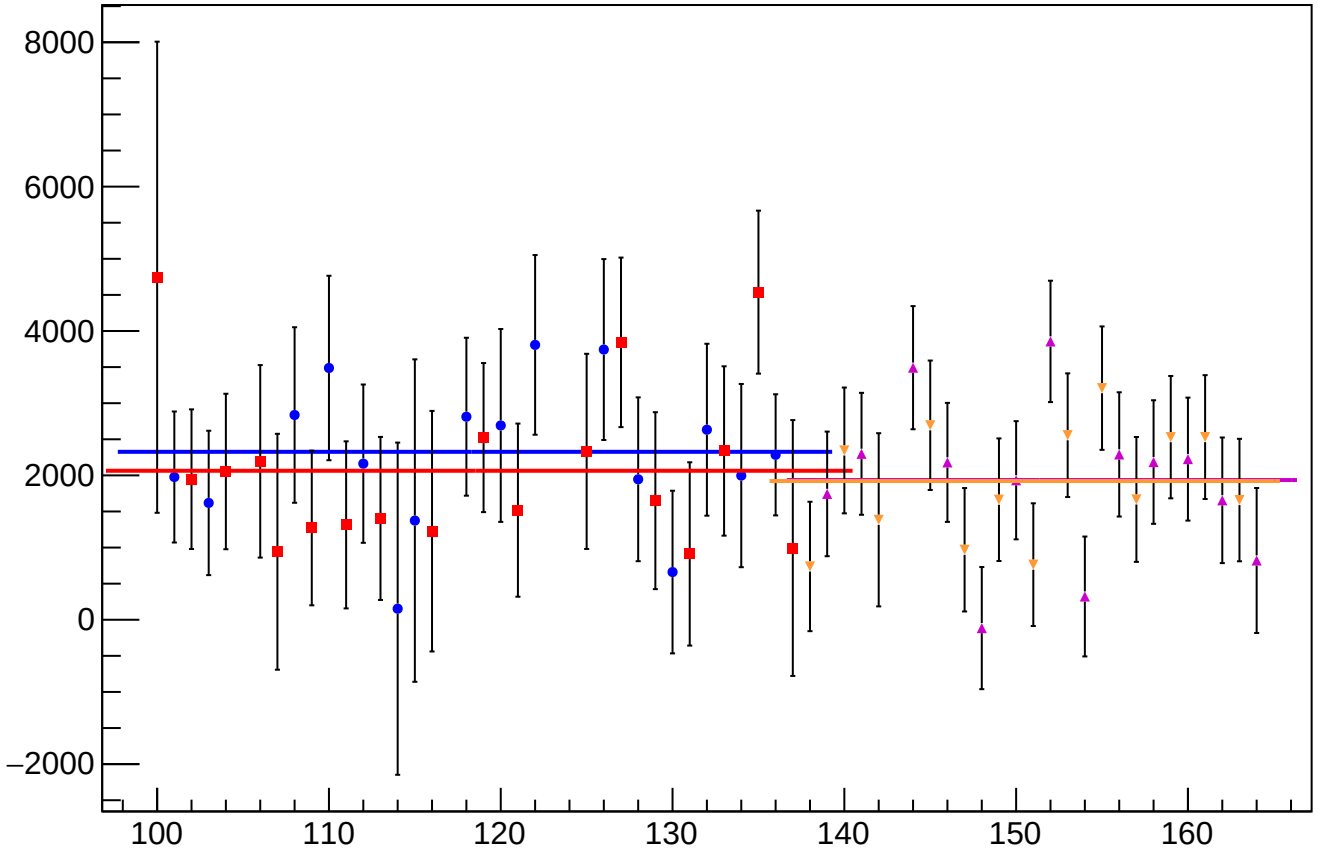
Right: 1207.695+/-0.228 χ^2/NDF: 982917.9/33

In: 1275.819+/-0.217 χ^2/NDF:1434856.7/28

Out: 1295.714+/-0.222 χ^2/NDF:1148669.6/30

All: 1285.507+/-0.155 χ^2/NDF: 2587637.5/59

eigen_dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1921.764+/-243.612 χ^2/NDF:10.1/12

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

Left In: 1935.391+/-237.353 χ^2/NDF:20.2/12

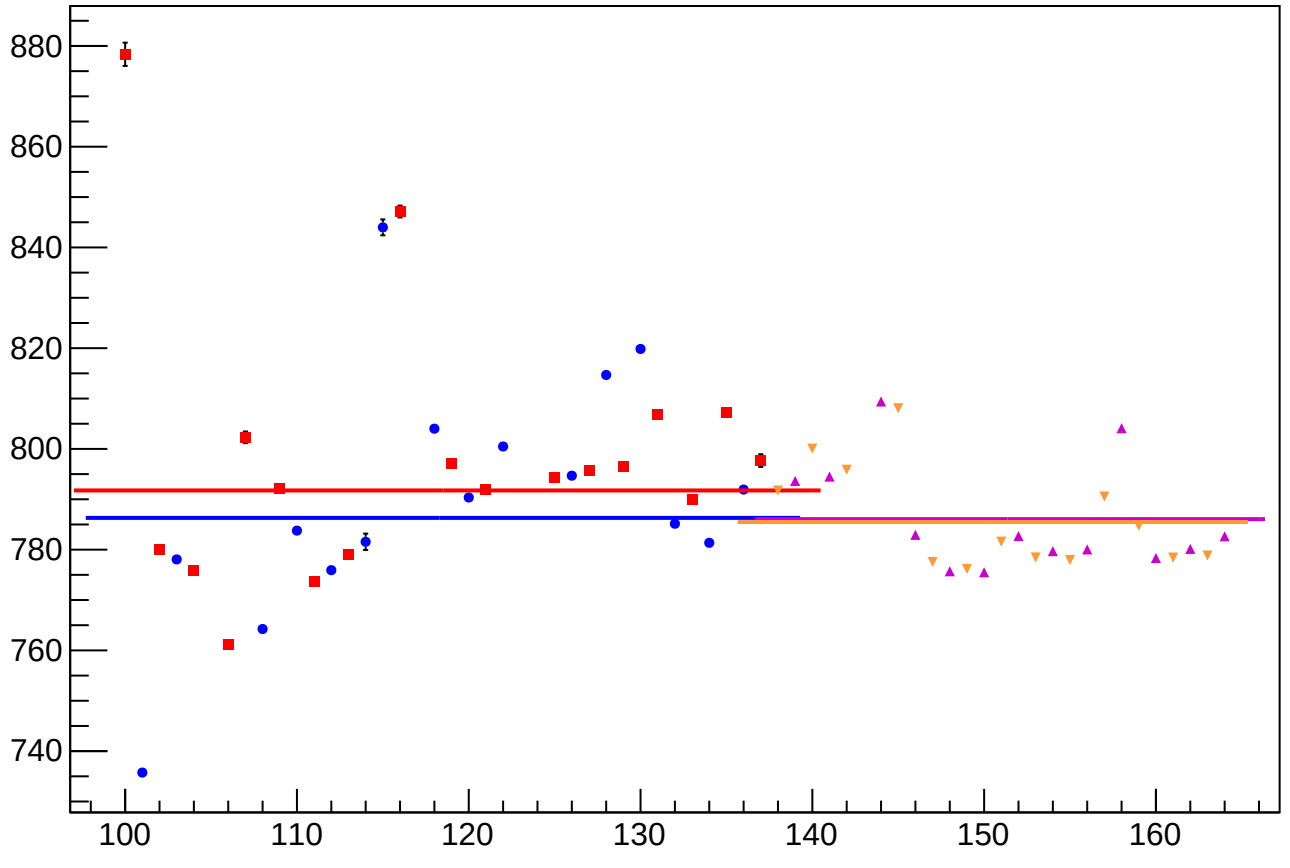
Left: 1928.755+/-170.004 χ^2/NDF: 30.4/25

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

In: 2090.855+/-184.225 χ^2/NDF:29.5/28

Out: 1980.176+/-187.005 χ^2/NDF:21.9/30

All: 2036.344+/-131.239 χ^2/NDF: 51.5/59



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

Left Out: 785.487+/-0.172 χ^2/NDF:3150.3/12

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

Left In: 786.066+/-0.168 χ^2/NDF:3929.6/12

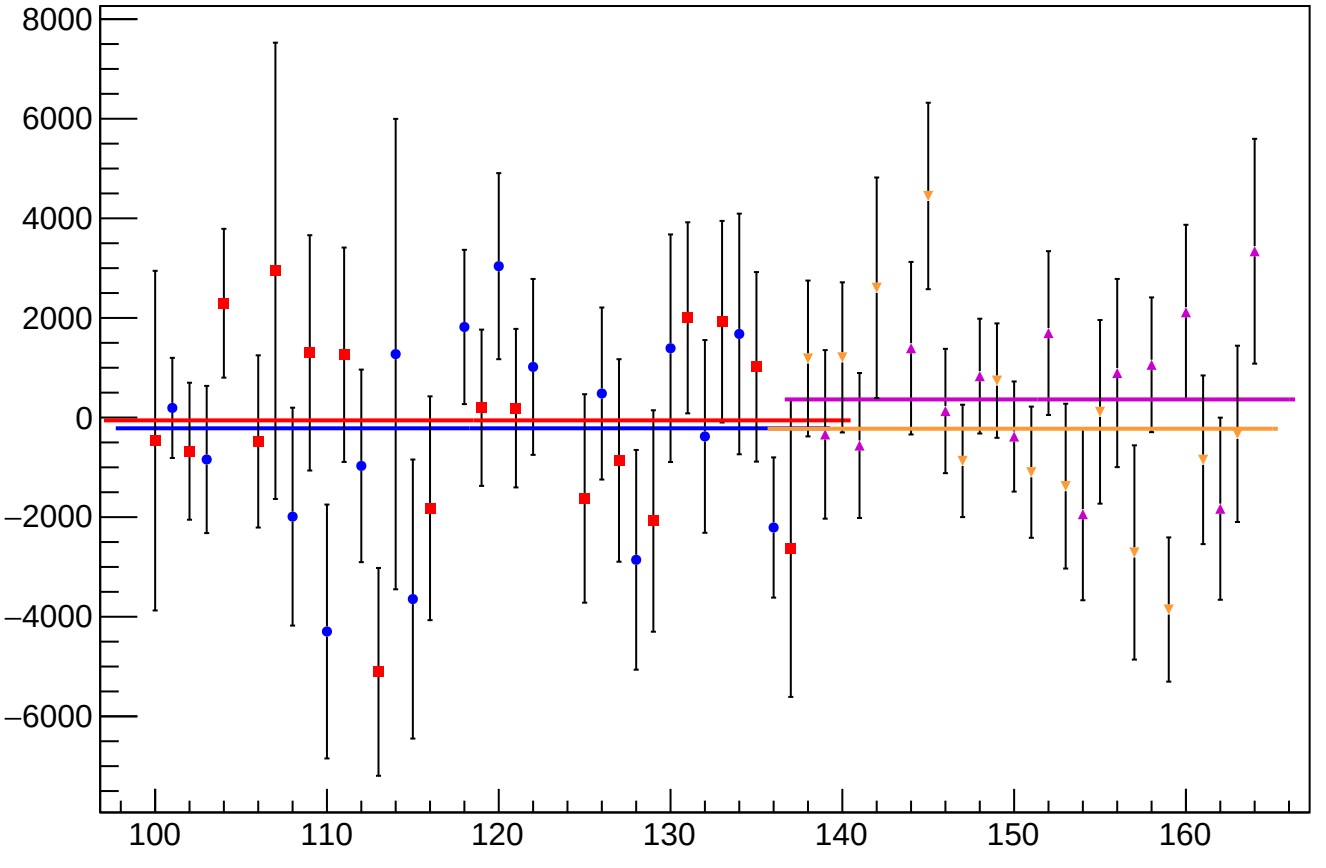
Left: 785.784+/-0.120 χ^2/NDF: 7085.7/25

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

In: 786.163+/-0.130 χ^2/NDF:16501.5/28

Out: 788.062+/-0.132 χ^2/NDF:10709.4/30

All: 787.098+/-0.093 χ^2/NDF: 27315.6/59



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

Left Out: -224.789+/-427.292 χ^2/NDF:19.3/12

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

Left In: 363.762+/-418.258 χ^2/NDF:8.5/12

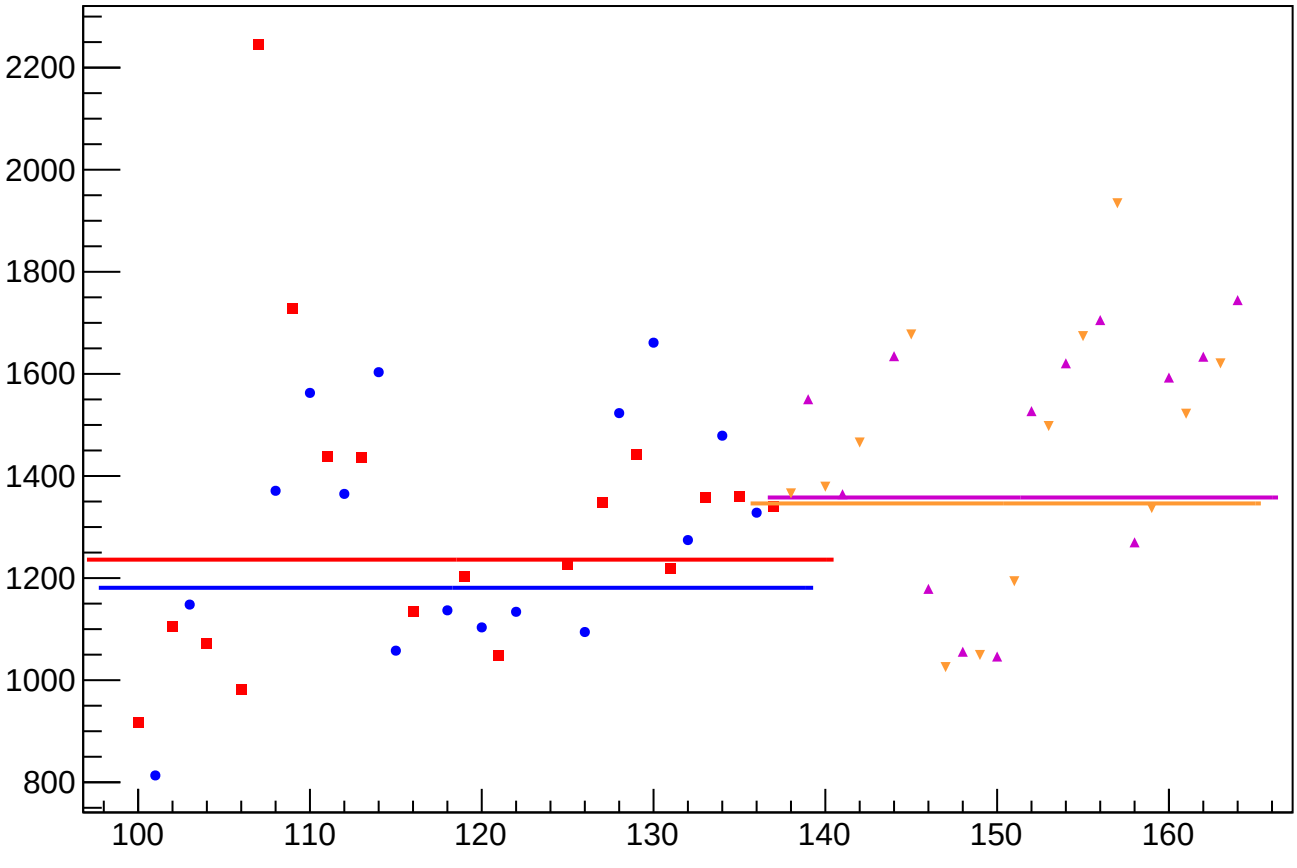
Left: 75.774+/-298.896 χ^2/NDF: 28.8/25

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

In: 94.665+/-306.214 χ^2/NDF:24.7/28

Out: -147.690+/-314.311 χ^2/NDF:34.5/30

All: -23.350+/-219.333 χ^2/NDF: 59.5/59



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

Left Out: 1346.246+/-0.302 χ^2/NDF:690481.9/12

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

Left In: 1357.905+/-0.296 χ^2/NDF:697736.6/12

Left: 1352.200+/-0.211 χ^2/NDF: 1388979.0/25

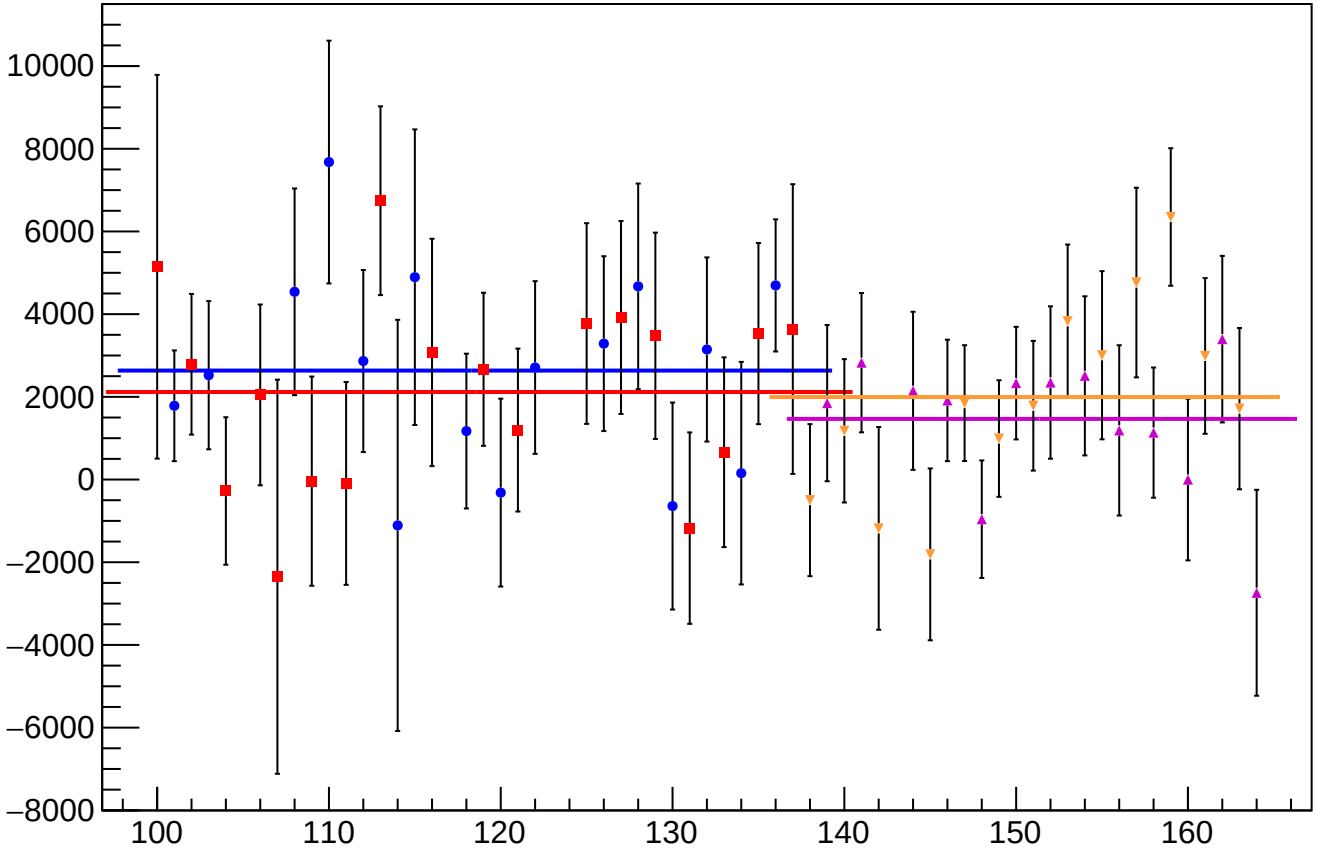
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1275.818+/-0.217 χ^2/NDF:1434866.2/28

Out: 1295.713+/-0.222 χ^2/NDF:1148676.8/30

All: 1285.506+/-0.155 χ^2/NDF: 2587654.1/59

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1995.156+/-495.402 χ^2/NDF:17.5/12

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

Left In: 1466.491+/-483.488 χ^2/NDF:9.1/12

Left: 1724.390+/-346.013 χ^2/NDF: 27.2/25

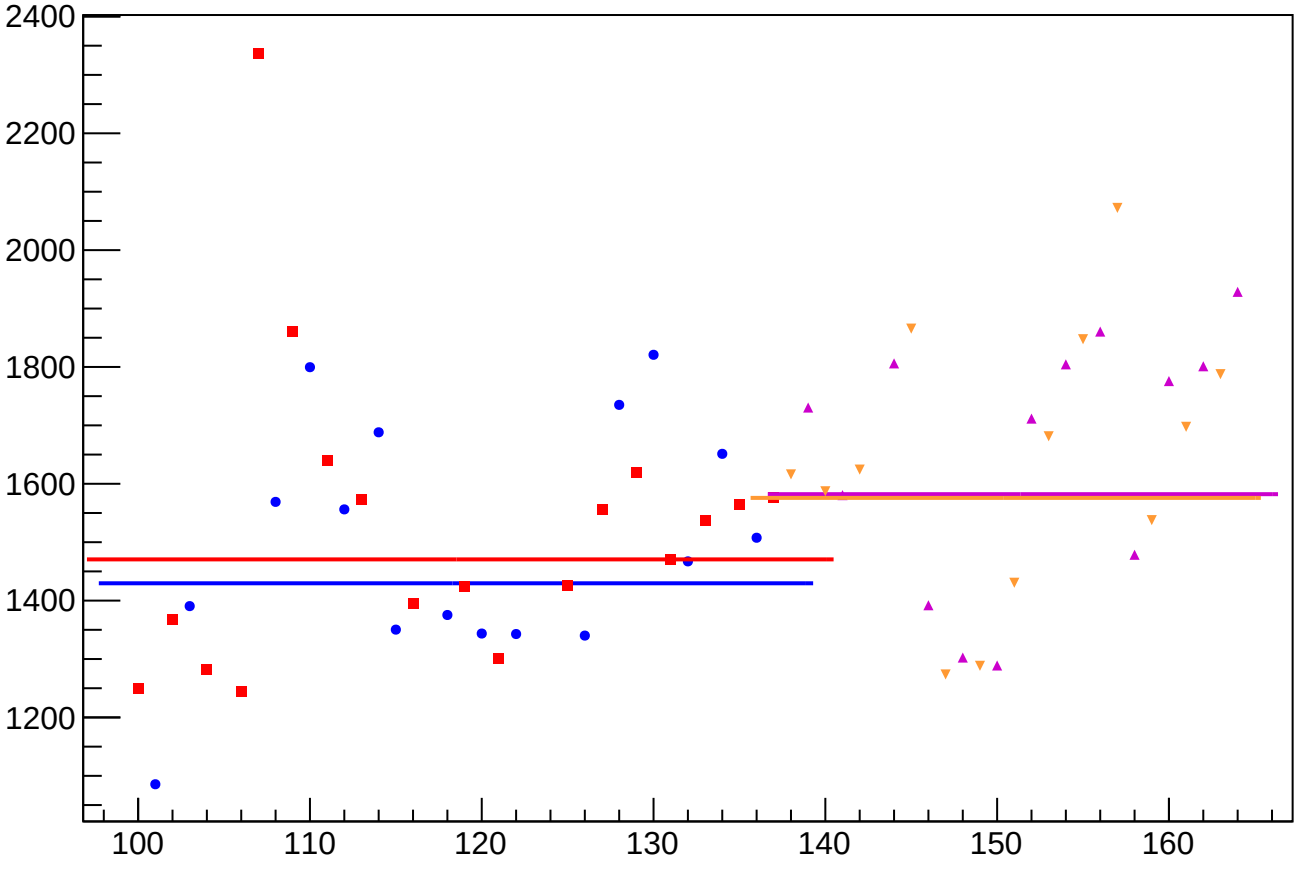
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 1988.705+/-359.620 χ^2/NDF:24.0/28

Out: 2050.081+/-367.338 χ^2/NDF:31.2/30

All: 2018.741+/-256.975 χ^2/NDF: 55.3/59

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1575.848+/-0.350 χ^2/NDF:403011.1/12

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

Left In: 1582.211+/-0.342 χ^2/NDF:407300.3/12

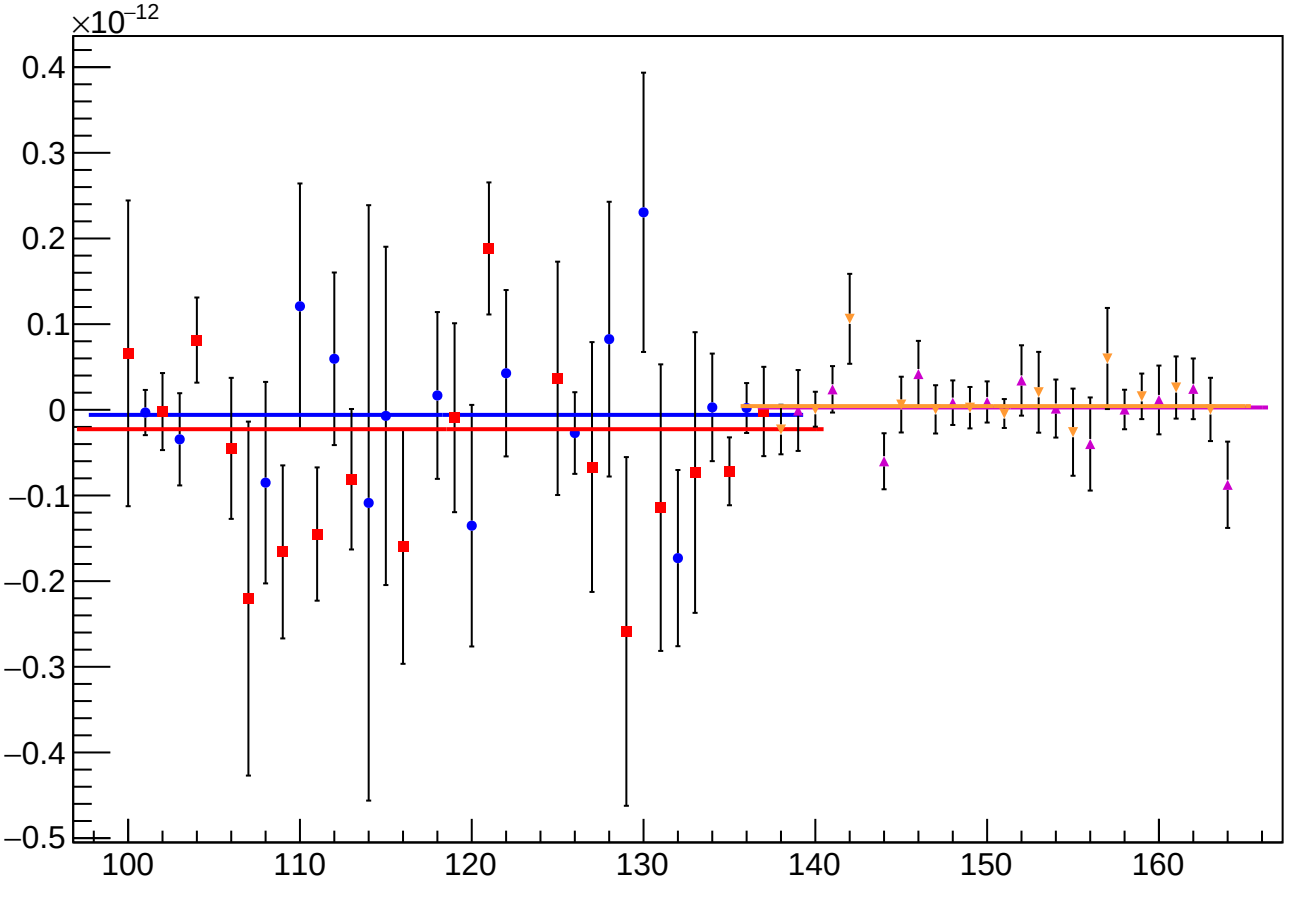
Left: 1579.107+/-0.245 χ^2/NDF: 810480.3/25

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

In: 1514.055+/-0.254 χ^2/NDF:789648.3/28

Out: 1528.451+/-0.260 χ^2/NDF:661743.9/30

All: 1521.101+/-0.182 χ^2/NDF: 1452960.7/59



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/12

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

Left In: 0.000+/-0.000 χ^2/NDF:10.3/12

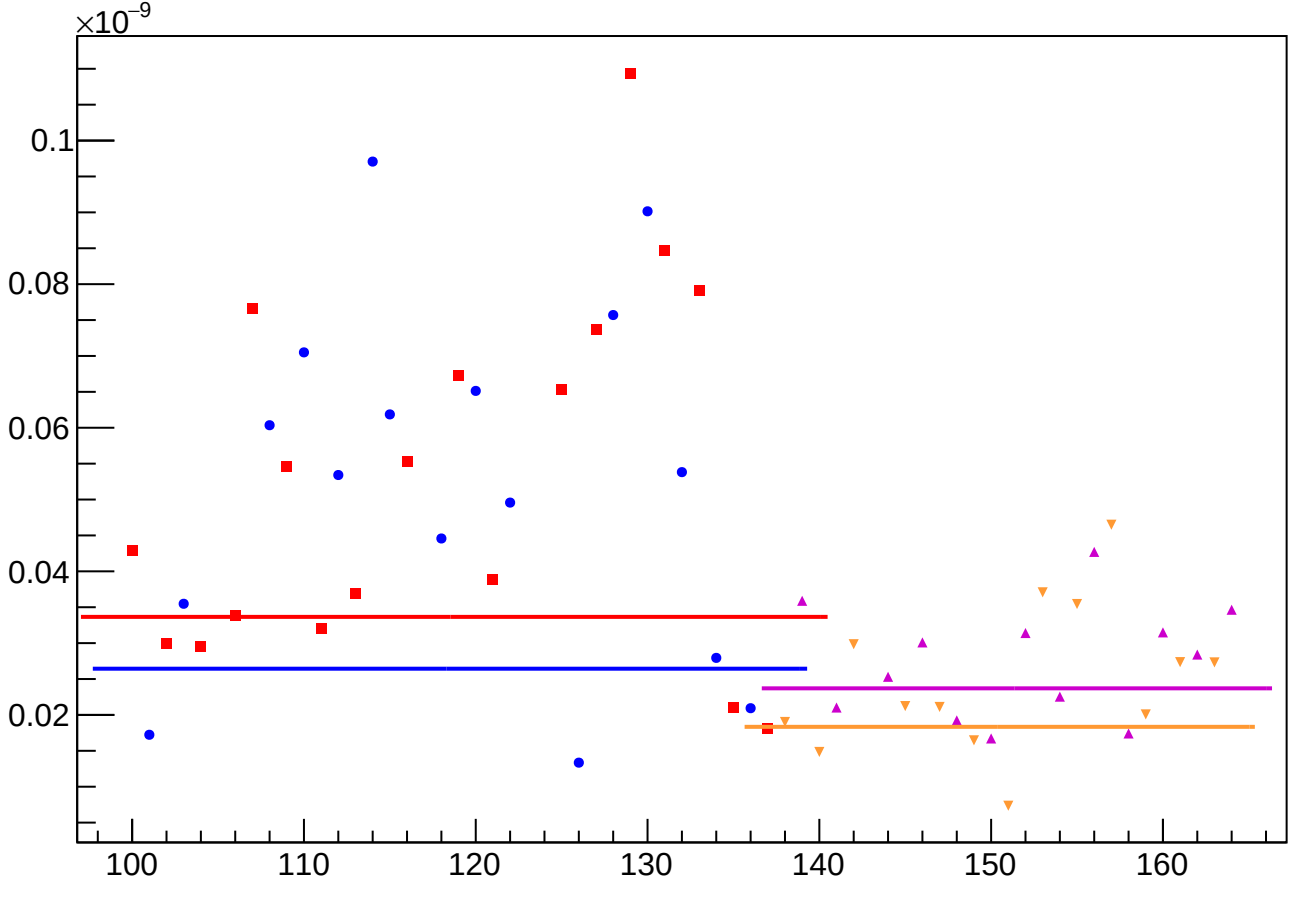
Left: 0.000+/-0.000 χ^2/NDF: 17.2/25

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

In: 0.000+/-0.000 χ^2/NDF:19.1/28

Out: -0.000+/-0.000 χ^2/NDF:31.8/30

All: 0.000+/-0.000 χ^2/NDF: 50.8/59



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

Left Out: 0.000+/-0.000 χ^2/NDF:2297093.4/12

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

Left In: 0.000+/-0.000 χ^2/NDF:1111168.9/12

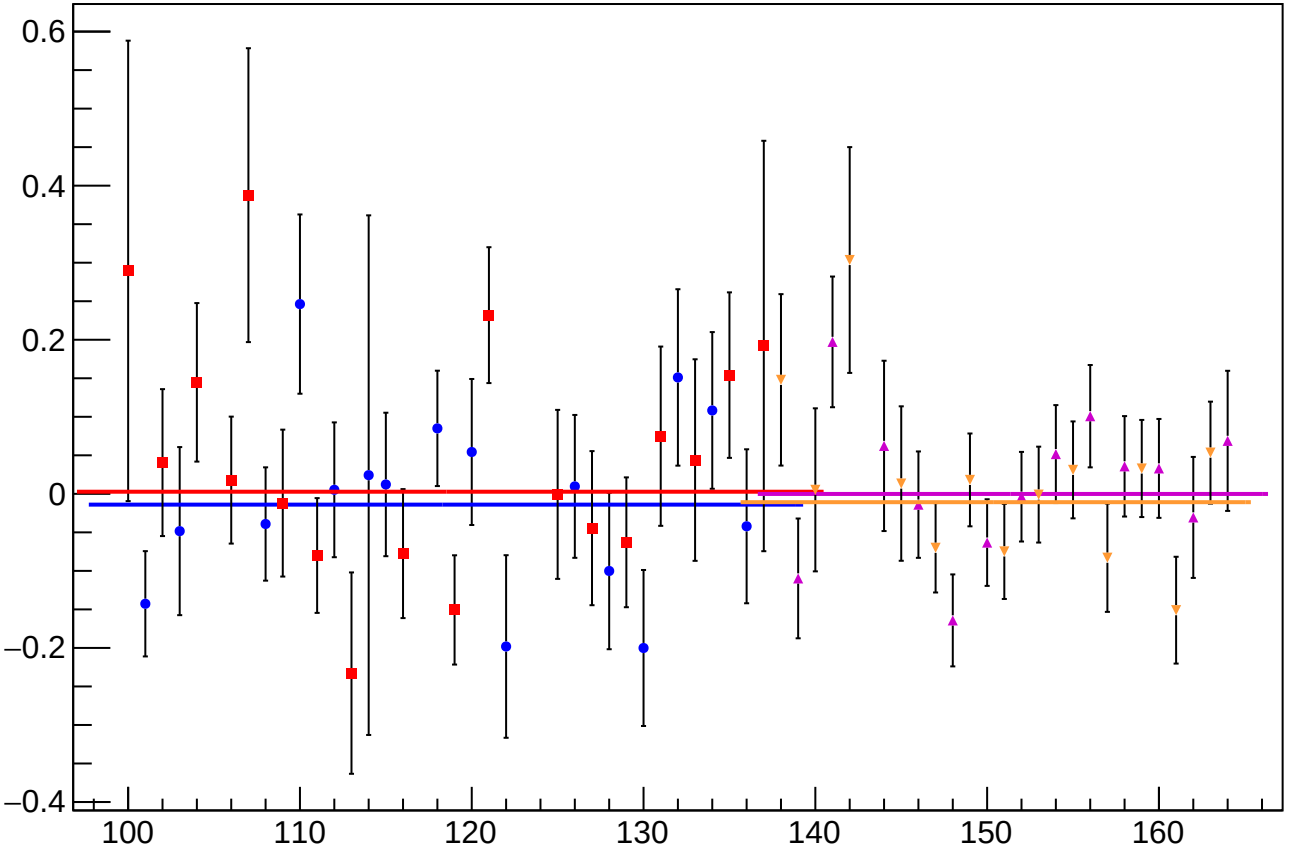
Left: 0.000+/-0.000 χ^2/NDF: 3798250.3/25

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

In: 0.000+/-0.000 χ^2/NDF:3297480.6/28

Out: 0.000+/-0.000 χ^2/NDF:5193975.2/30

All: 0.000+/-0.000 χ^2/NDF: 8713498.4/59



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

Left Out: -0.011+/-0.020 χ^2/NDF:16.1/12

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

Left In: -0.000+/-0.019 χ^2/NDF:20.9/12

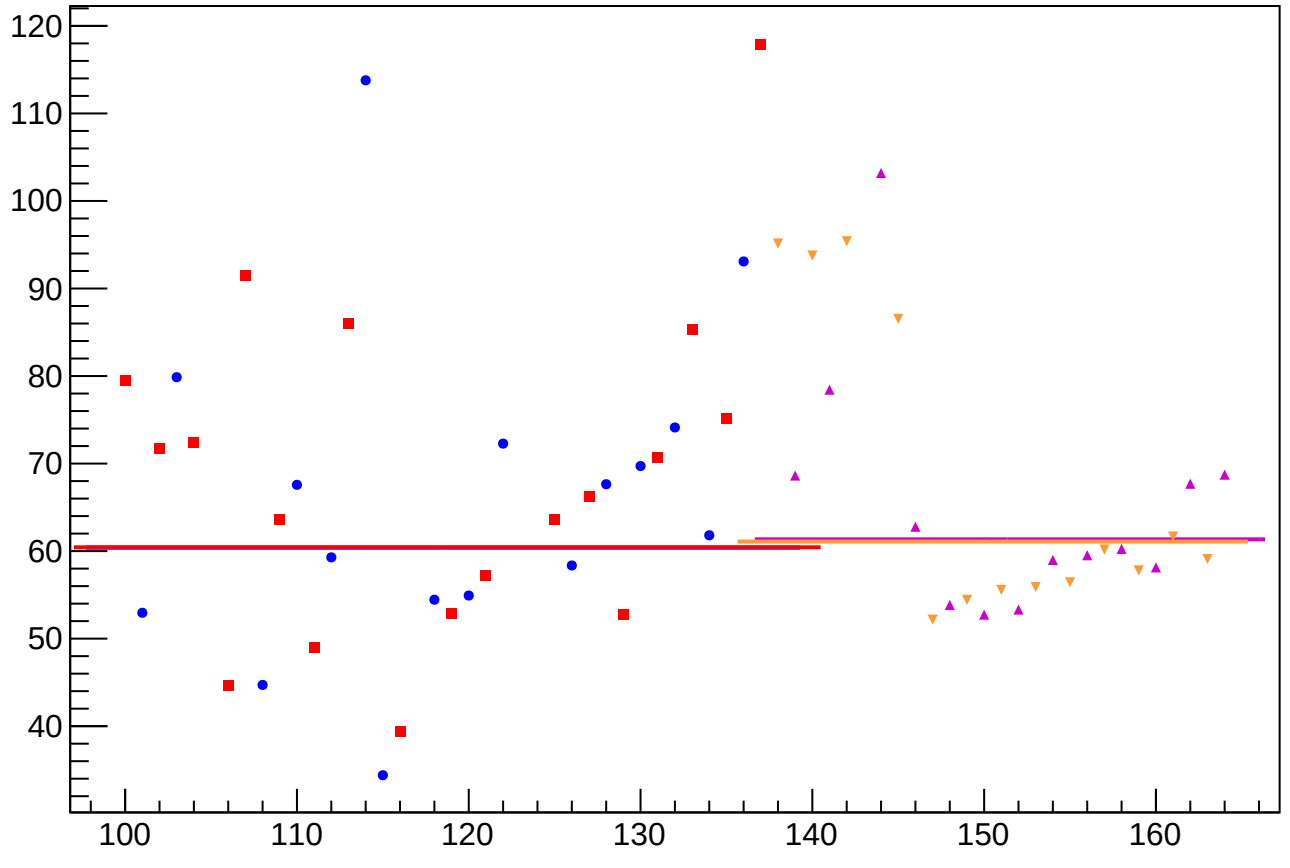
Left: -0.005+/-0.014 χ^2/NDF: 37.1/25

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

In: -0.006+/-0.015 χ^2/NDF:42.4/28

Out: -0.005+/-0.015 χ^2/NDF:44.0/30

All: -0.005+/-0.011 χ^2/NDF: 86.5/59



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

Left Out: 61.088+/-0.014 χ^2/NDF:737049.1/12

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

Left In: 61.345+/-0.014 χ^2/NDF:539003.1/12

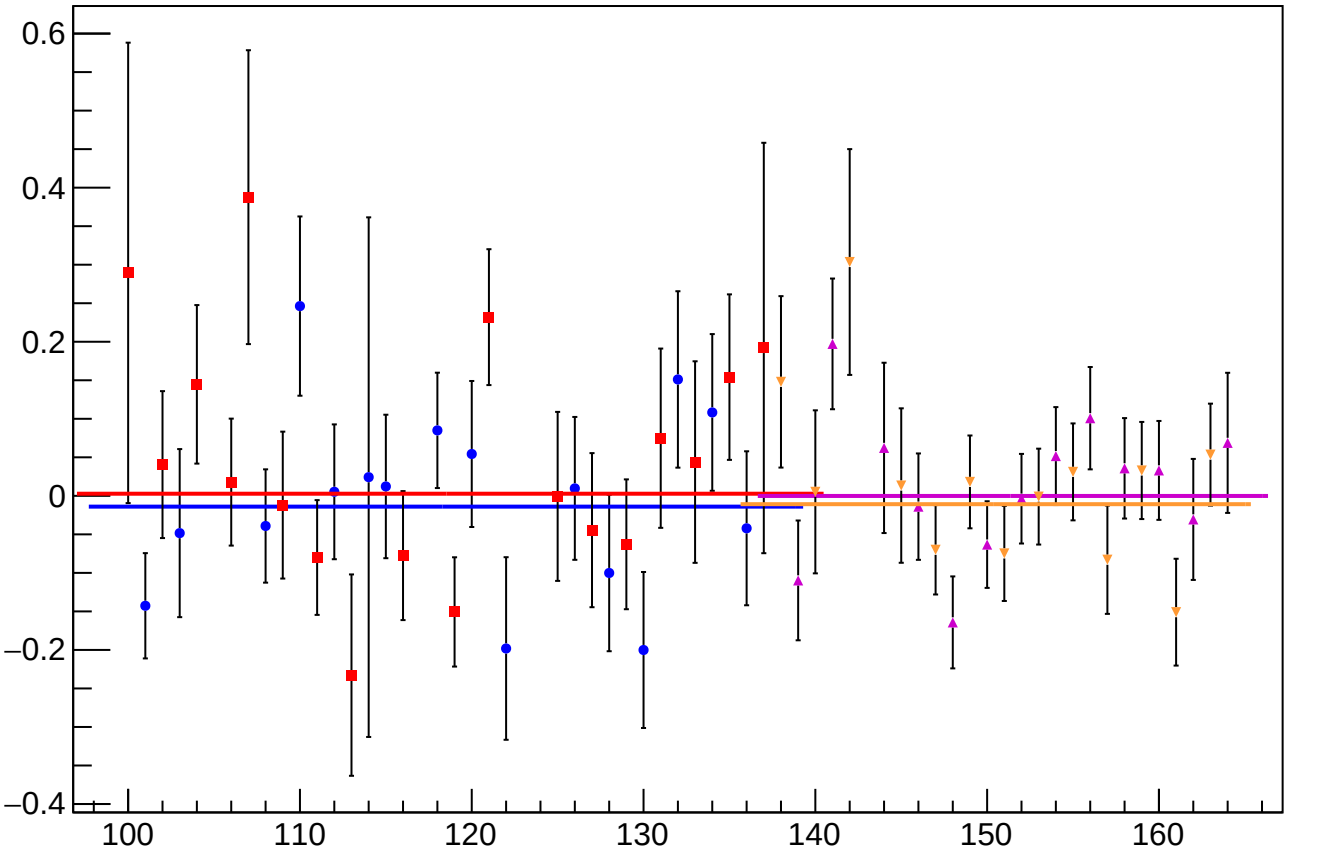
Left: 61.221+/-0.010 χ^2/NDF: 1276225.3/25

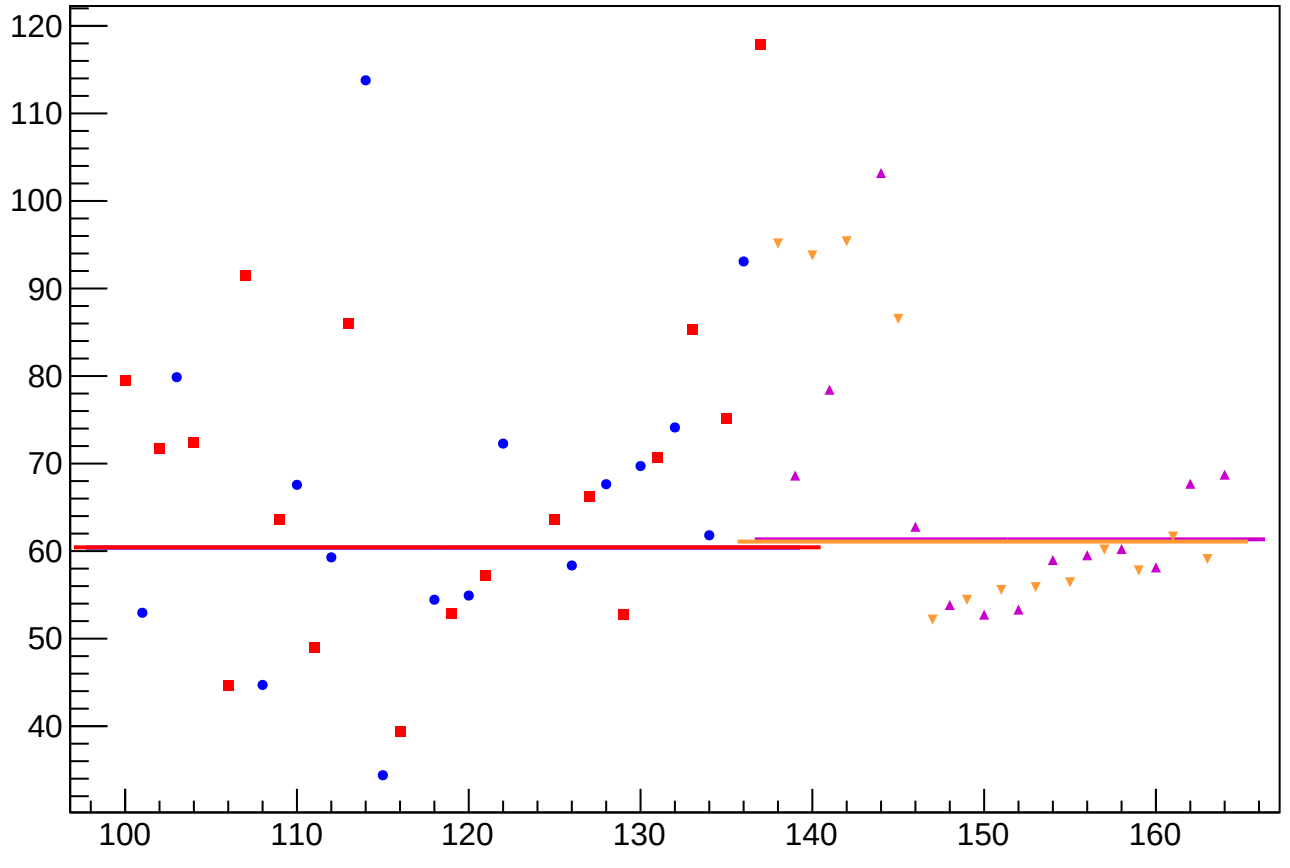
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 60.974+/-0.011 χ^2/NDF:1244068.7/28

Out: 60.821+/-0.011 χ^2/NDF:1449036.3/30

All: 60.899+/-0.008 χ^2/NDF: 2693208.3/59


asym_us_avg_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
160
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.011+/-0.020 χ²/NDF:16.1/12
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.000+/-0.019 χ²/NDF:20.9/12
Left: -0.005+/-0.014 χ²/NDF: 37.1/25
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.006+/-0.015 χ²/NDF:42.4/28
Out: -0.005+/-0.015 χ²/NDF:44.0/30
All: -0.005+/-0.011 χ²/NDF: 86.5/59



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

Left Out: 61.088+/-0.014 χ^2/NDF:737049.1/12

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

Left In: 61.345+/-0.014 χ^2/NDF:539003.1/12

Left: 61.221+/-0.010 χ^2/NDF: 1276225.3/25

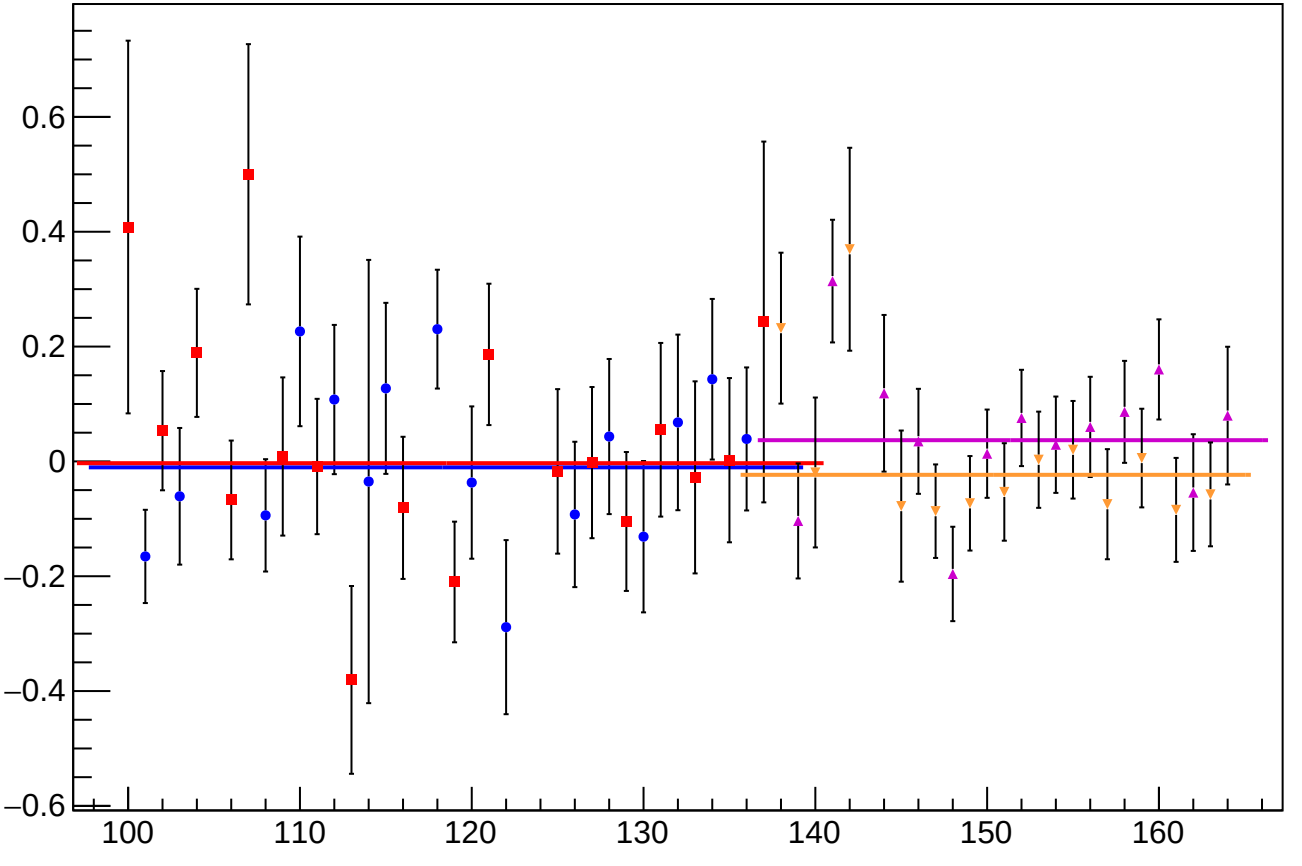
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 60.974+/-0.011 χ^2/NDF:1244068.7/28

Out: 60.821+/-0.011 χ^2/NDF:1449036.3/30

All: 60.899+/-0.008 χ^2/NDF: 2693208.3/59

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.023+/-0.027 χ^2/NDF:11.3/12

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

Left In: 0.037+/-0.026 χ^2/NDF:20.7/12

Left: 0.008+/-0.018 χ^2/NDF: 34.7/25

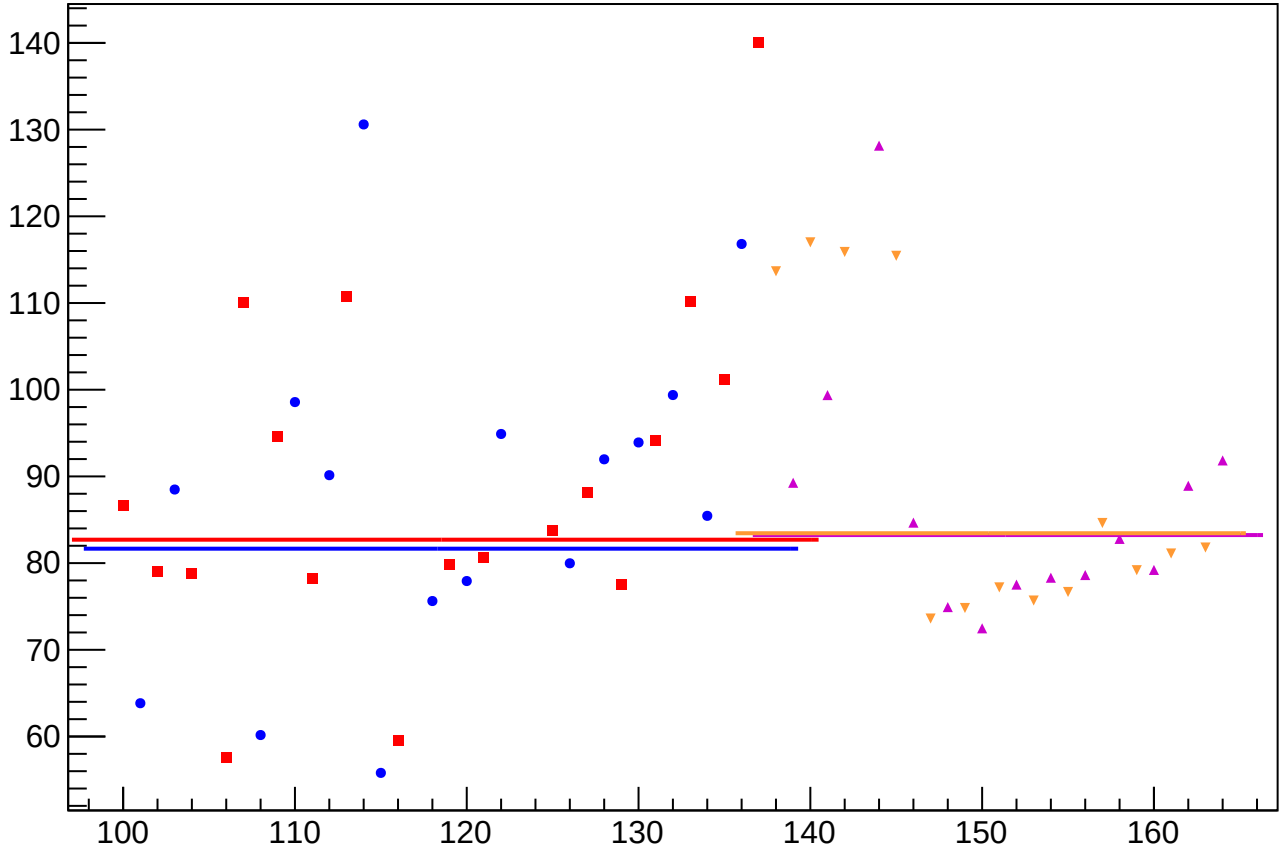
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.018+/-0.020 χ^2/NDF:42.2/28

Out: -0.015+/-0.020 χ^2/NDF:35.2/30

All: 0.002+/-0.014 χ^2/NDF: 78.8/59

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 83.447+/-0.019 χ^2/NDF:522455.9/12

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

Left In: 83.235+/-0.018 χ^2/NDF:372280.1/12

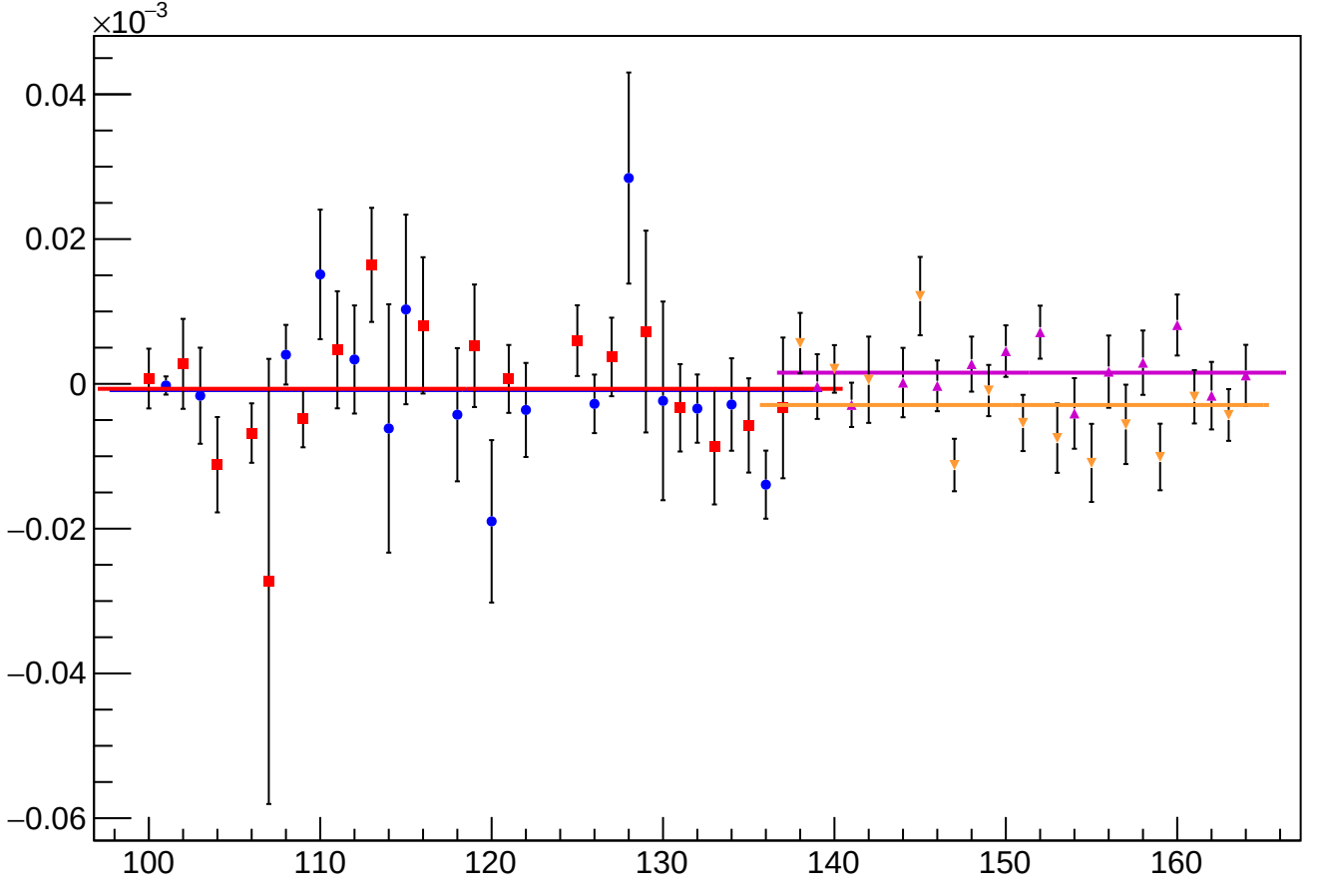
Left: 83.337+/-0.013 χ^2/NDF: 894801.6/25

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

In: 82.611+/-0.014 χ^2/NDF:937109.1/28

Out: 83.139+/-0.014 χ^2/NDF:996170.1/30

All: 82.869+/-0.010 χ^2/NDF: 1933966.3/59



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

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/12

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

Left In: 0.000+/-0.000 χ^2/NDF:10.1/12

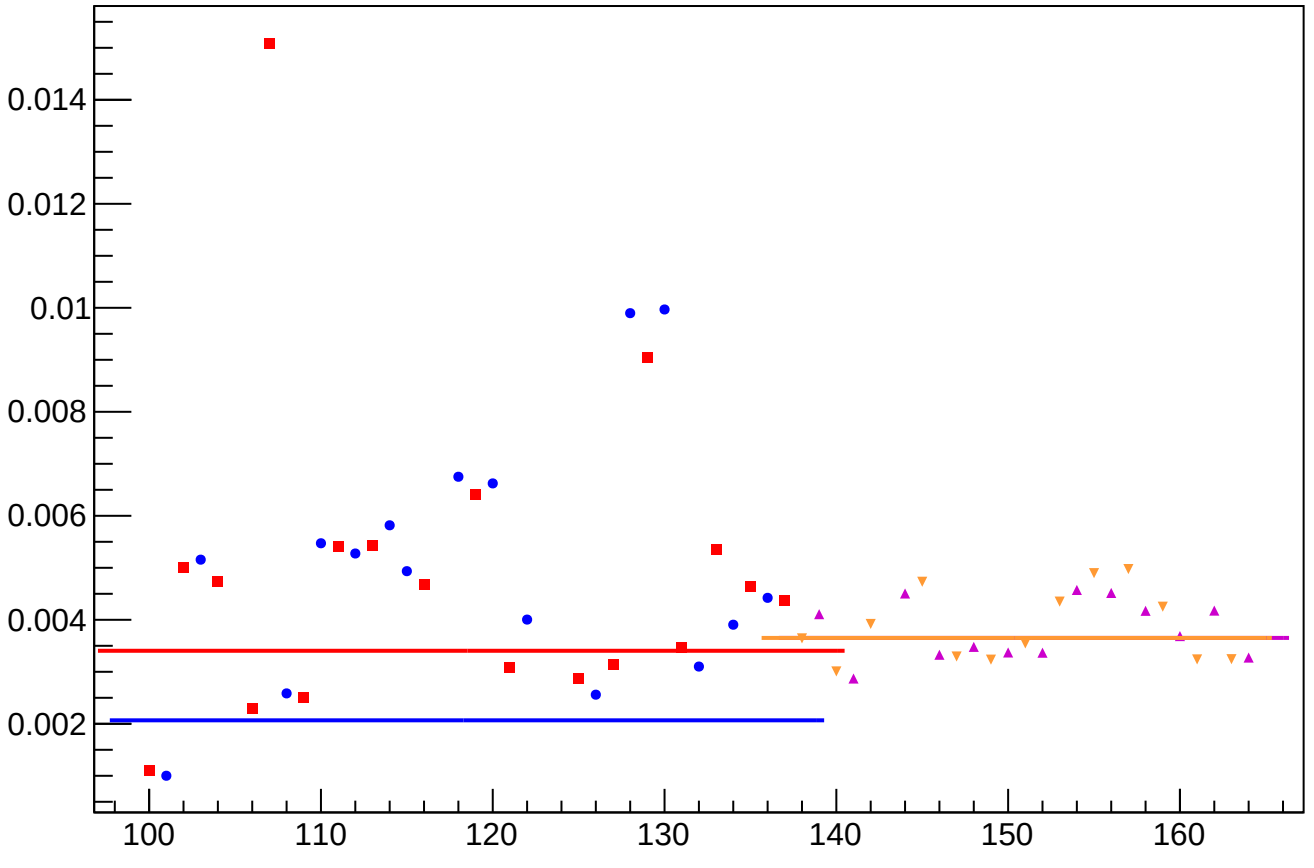
Left: -0.000+/-0.000 χ^2/NDF: 44.3/25

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

In: 0.000+/-0.000 χ^2/NDF:34.0/28

Out: -0.000+/-0.000 χ^2/NDF:46.4/30

All: -0.000+/-0.000 χ^2/NDF: 84.0/59



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

Left Out: 0.004+/-0.000 χ^2/NDF:560576.4/12

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

Left In: 0.004+/-0.000 χ^2/NDF:460891.6/12

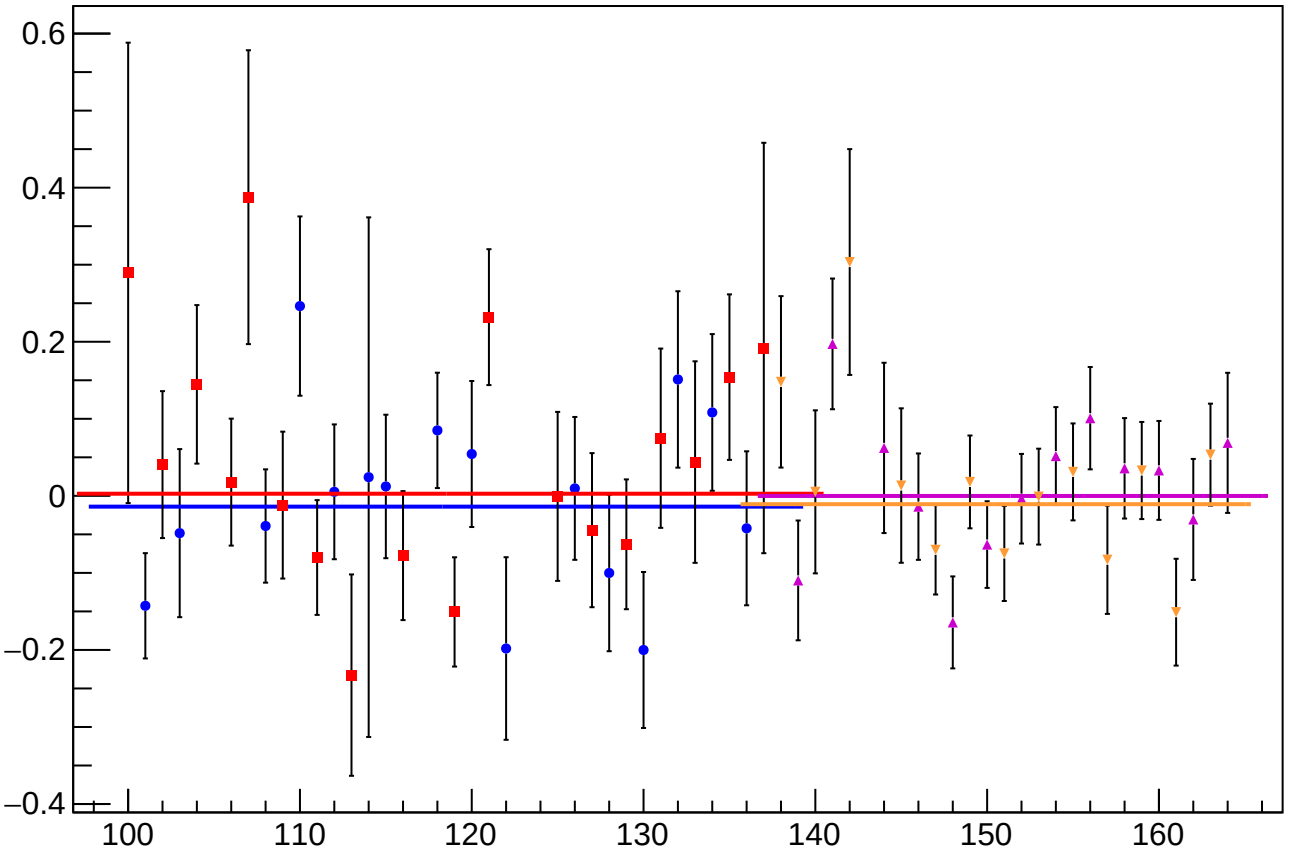
Left: 0.004+/-0.000 χ^2/NDF: 1021468.0/25

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

In: 0.003+/-0.000 χ^2/NDF:8483332.7/28

Out: 0.004+/-0.000 χ^2/NDF:3088066.0/30

All: 0.003+/-0.000 χ^2/NDF: 12454008.0/59



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

Left Out: -0.011+/-0.020 χ^2/NDF:16.1/12

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

Left In: -0.000+/-0.019 χ^2/NDF:20.9/12

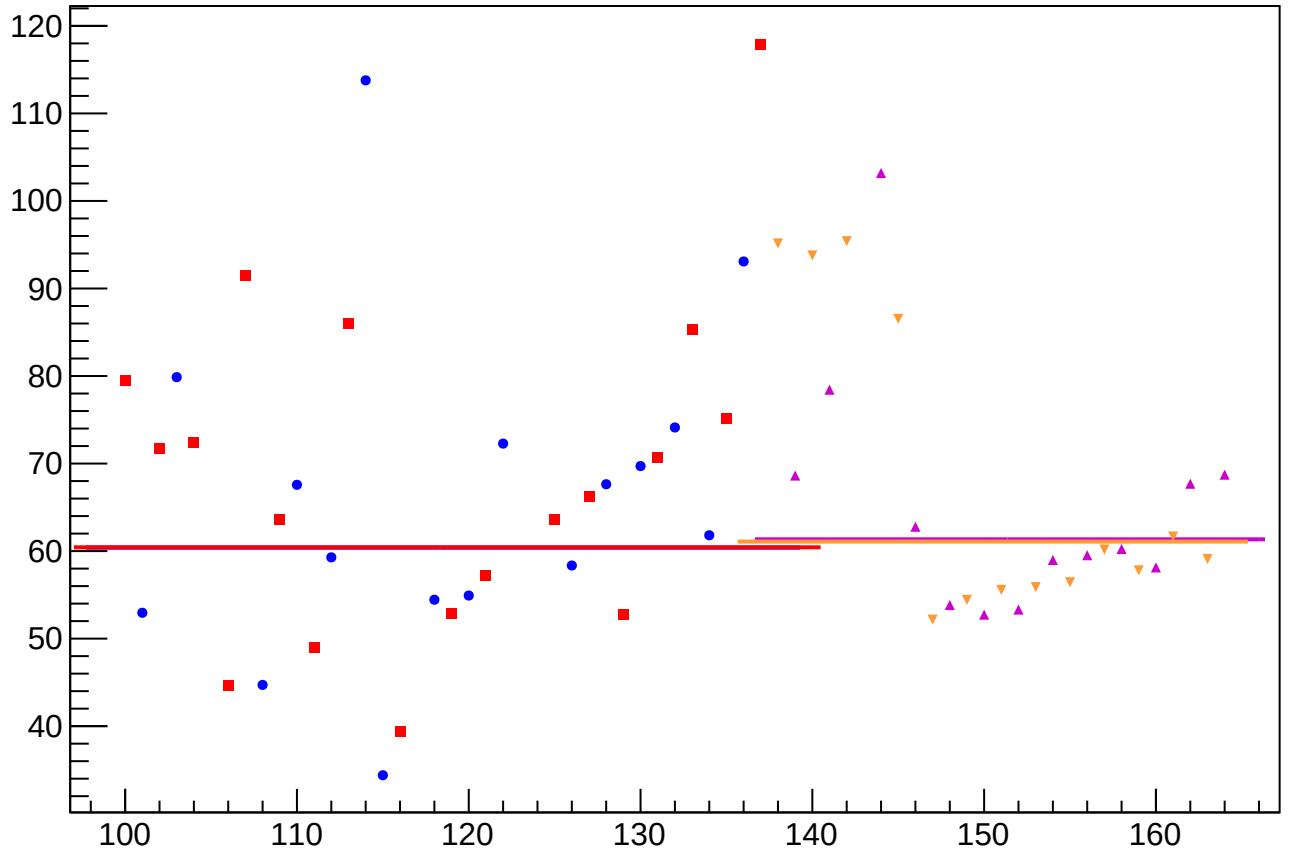
Left: -0.005+/-0.014 χ^2/NDF: 37.1/25

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

In: -0.006+/-0.015 χ^2/NDF:42.4/28

Out: -0.005+/-0.015 χ^2/NDF:44.0/30

All: -0.005+/-0.011 χ^2/NDF: 86.5/59



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

Left Out: 61.089+/-0.014 χ^2/NDF:737042.2/12

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

Left In: 61.345+/-0.014 χ^2/NDF:538997.1/12

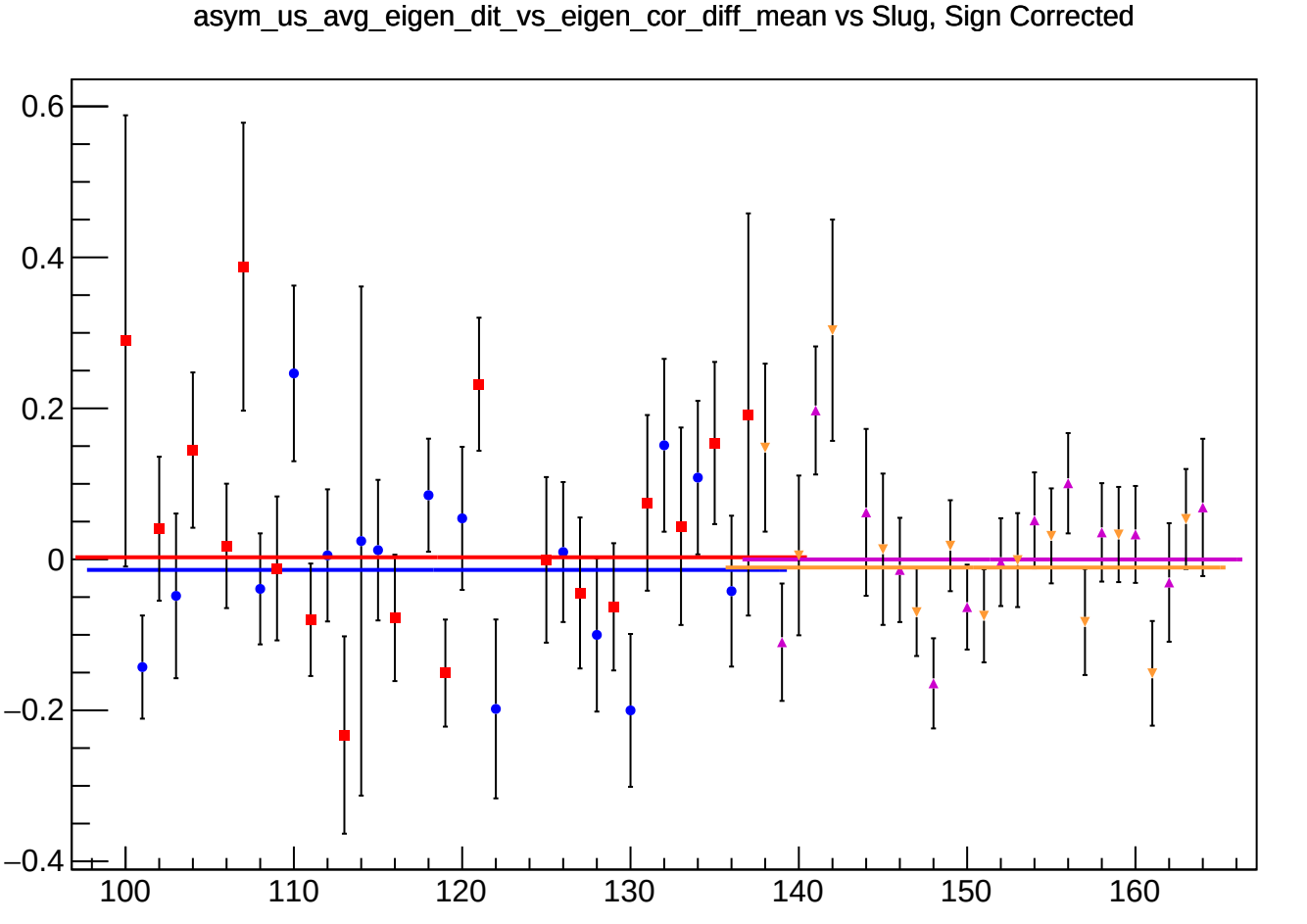
Left: 61.221+/-0.010 χ^2/NDF: 1276212.2/25

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

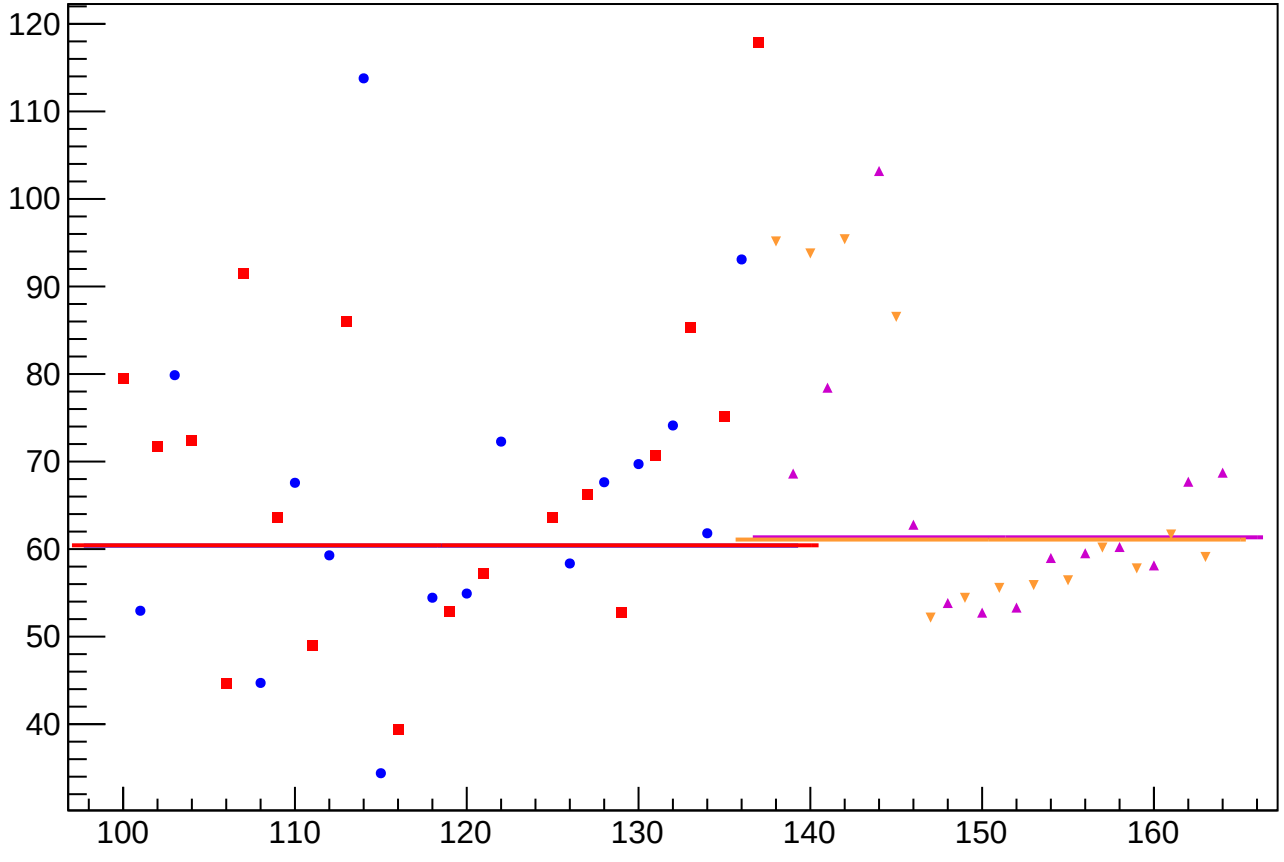
In: 60.974+/-0.011 χ^2/NDF:1244081.3/28

Out: 60.820+/-0.011 χ^2/NDF:1449063.9/30

All: 60.898+/-0.008 χ^2/NDF: 2693248.7/59


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
160
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.011+/-0.020 χ²/NDF:16.1/12
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.000+/-0.019 χ²/NDF:20.9/12
Left: -0.005+/-0.014 χ²/NDF: 37.1/25
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.006+/-0.015 χ²/NDF:42.4/28
Out: -0.005+/-0.015 χ²/NDF:44.0/30
All: -0.005+/-0.011 χ²/NDF: 86.5/59

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: 61.089+/-0.014 χ^2/NDF:737042.2/12

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

Left In: 61.345+/-0.014 χ^2/NDF:538997.1/12

Left: 61.221+/-0.010 χ^2/NDF: 1276212.2/25

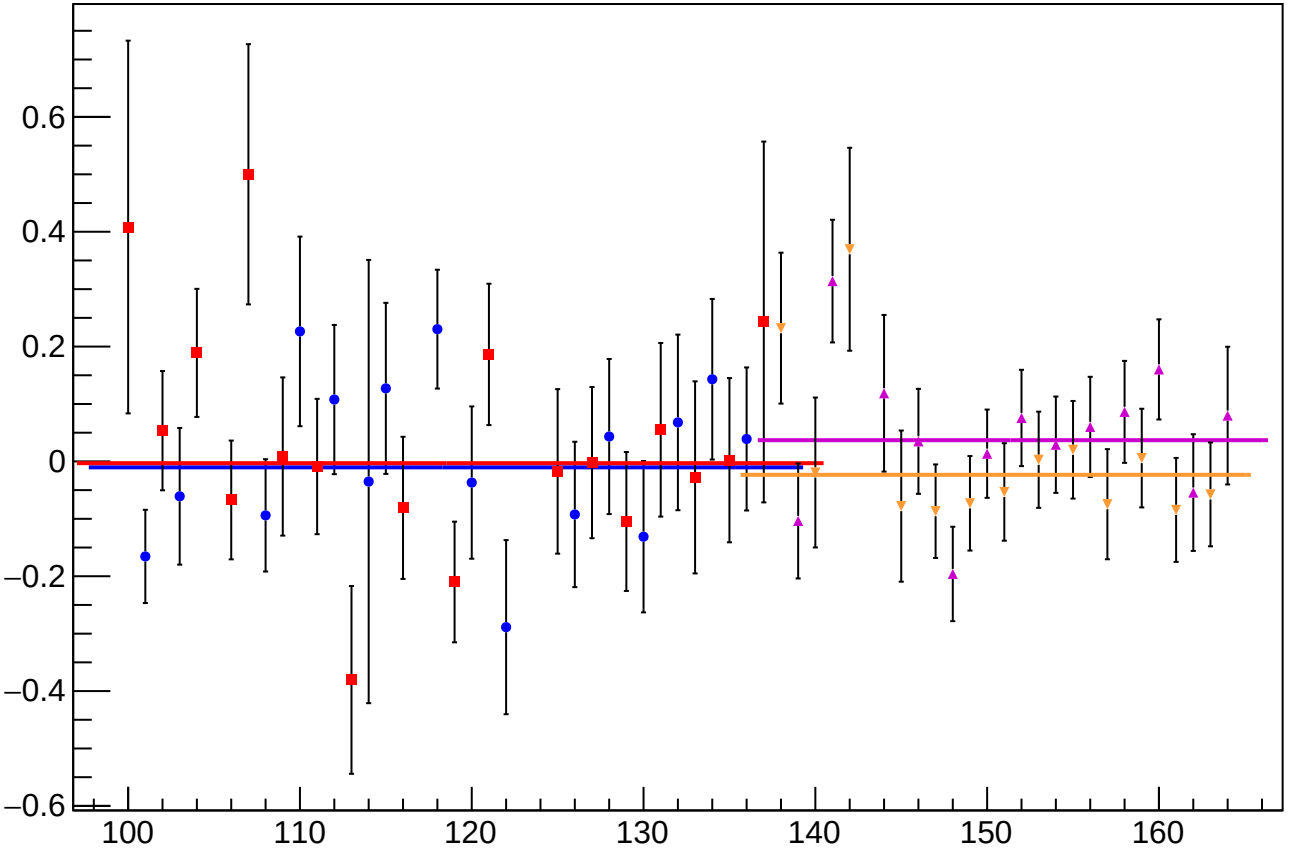
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 60.974+/-0.011 χ^2/NDF:1244081.3/28

Out: 60.820+/-0.011 χ^2/NDF:1449063.9/30

All: 60.898+/-0.008 χ^2/NDF: 2693248.7/59

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: -0.023+/-0.027 χ^2/NDF:11.3/12

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

Left In: 0.037+/-0.026 χ^2/NDF:20.7/12

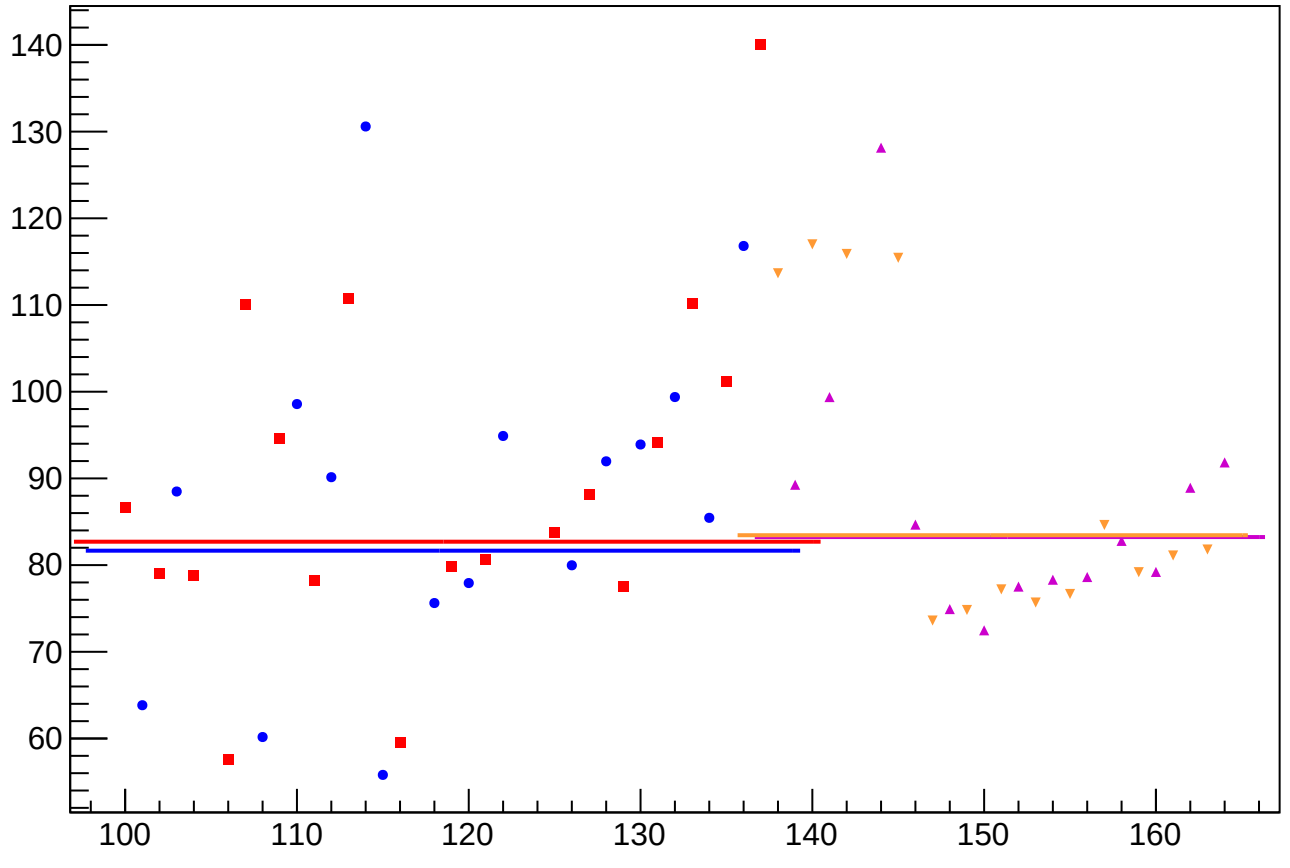
Left: 0.008+/-0.018 χ^2/NDF: 34.7/25

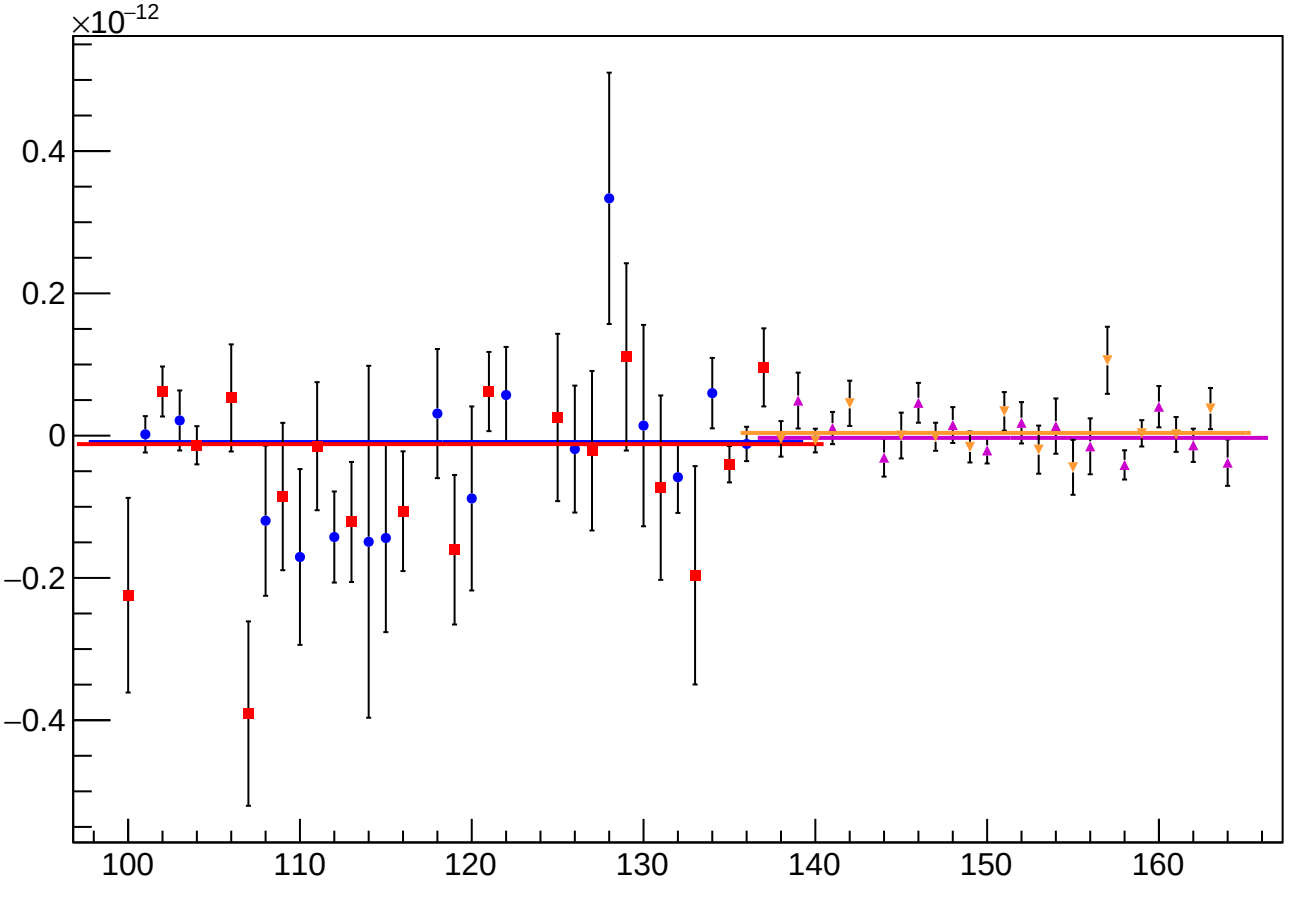
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.018+/-0.020 χ^2/NDF:42.2/28

Out: -0.015+/-0.020 χ^2/NDF:35.2/30

All: 0.002+/-0.014 χ^2/NDF: 78.8/59


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
160
Right In: 81.663+/-0.022 χ²/NDF: 561836.4/15
Left Out: 83.447+/-0.019 χ²/NDF:522451.3/12
Right Out: 82.700+/-0.022 χ²/NDF: 473062.4/17
Left In: 83.236+/-0.018 χ²/NDF:372278.4/12
Left: 83.338+/-0.013 χ²/NDF: 894795.2/25
Right: 82.179+/-0.016 χ²/NDF: 1035971.3/33
In: 82.611+/-0.014 χ²/NDF:937098.9/28
Out: 83.139+/-0.014 χ²/NDF:996164.4/30
All: 82.869+/-0.010 χ²/NDF: 1933950.2/59



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/12

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

Left In: -0.000+/-0.000 χ^2/NDF:15.6/12

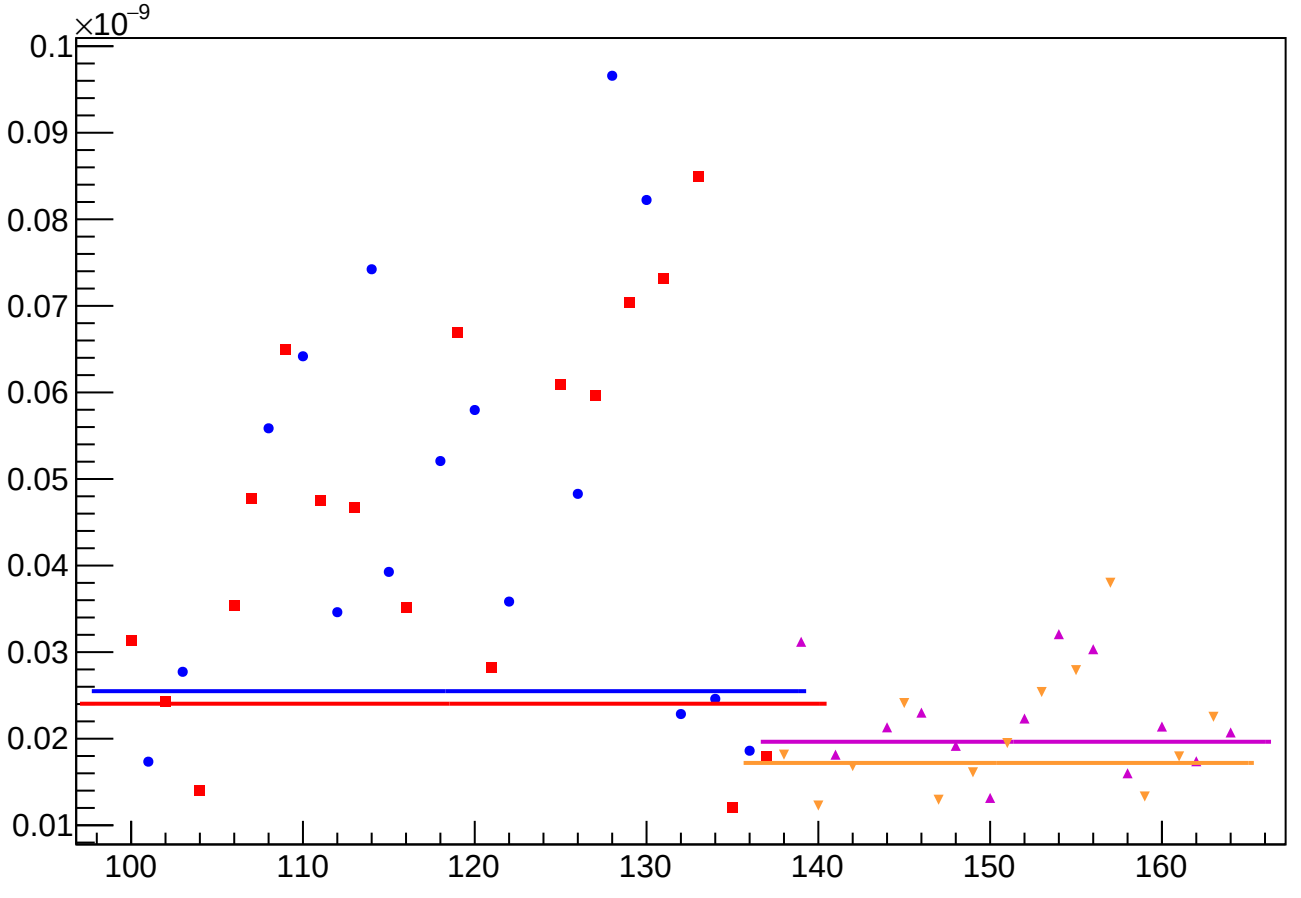
Left: 0.000+/-0.000 χ^2/NDF: 28.6/25

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

In: -0.000+/-0.000 χ^2/NDF:33.2/28

Out: 0.000+/-0.000 χ^2/NDF:44.7/30

All: -0.000+/-0.000 χ^2/NDF: 78.2/59



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

Left Out: 0.000+/-0.000 χ^2/NDF:1200608.1/12

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

Left In: 0.000+/-0.000 χ^2/NDF:928566.6/12

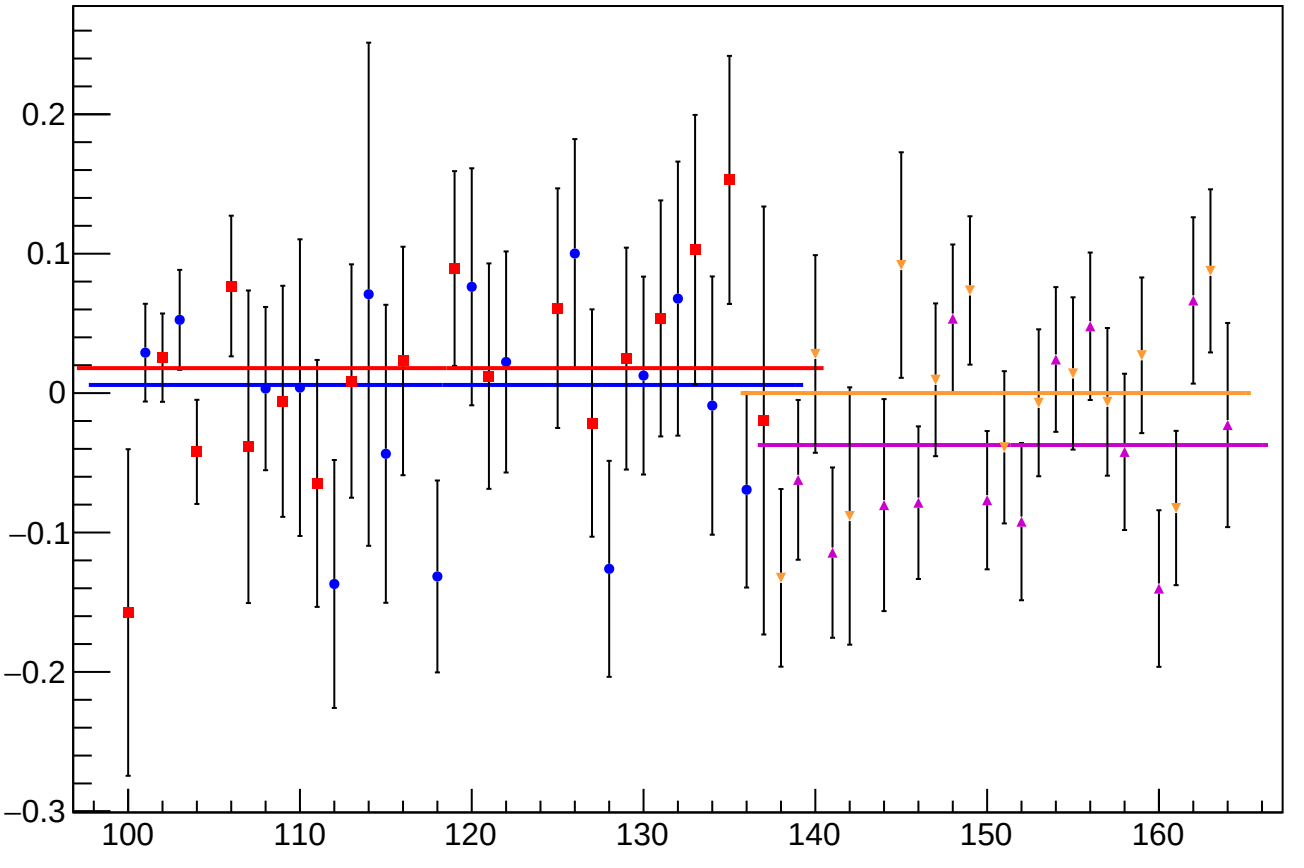
Left: 0.000+/-0.000 χ^2/NDF: 2247118.8/25

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

In: 0.000+/-0.000 χ^2/NDF:3226585.6/28

Out: 0.000+/-0.000 χ^2/NDF:4697014.7/30

All: 0.000+/-0.000 χ^2/NDF: 8067258.3/59



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

Left Out: 0.000+/-0.016 χ^2/NDF:13.9/12

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

Left In: -0.037+/-0.016 χ^2/NDF:17.6/12

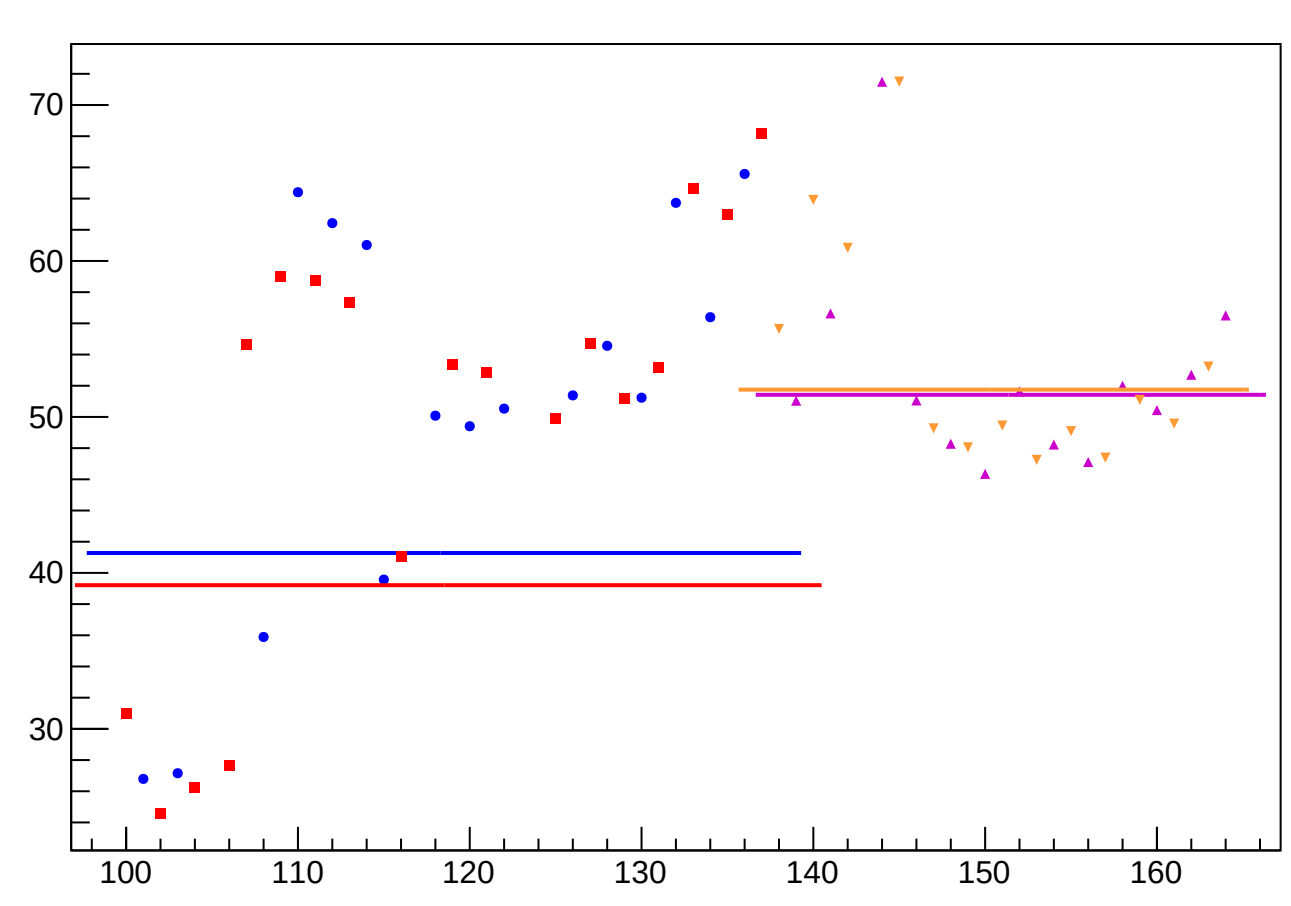
Left: -0.019+/-0.011 χ^2/NDF: 34.2/25

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.017+/-0.011 χ^2/NDF:36.7/28

Out: 0.009+/-0.011 χ^2/NDF:26.9/30

All: -0.004+/-0.008 χ^2/NDF: 66.2/59



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

Left Out: 51.751+/-0.012 χ^2/NDF:259931.3/12

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

Left In: 51.420+/-0.011 χ^2/NDF:214267.9/12

Left: 51.580+/-0.008 χ^2/NDF: 474622.6/25

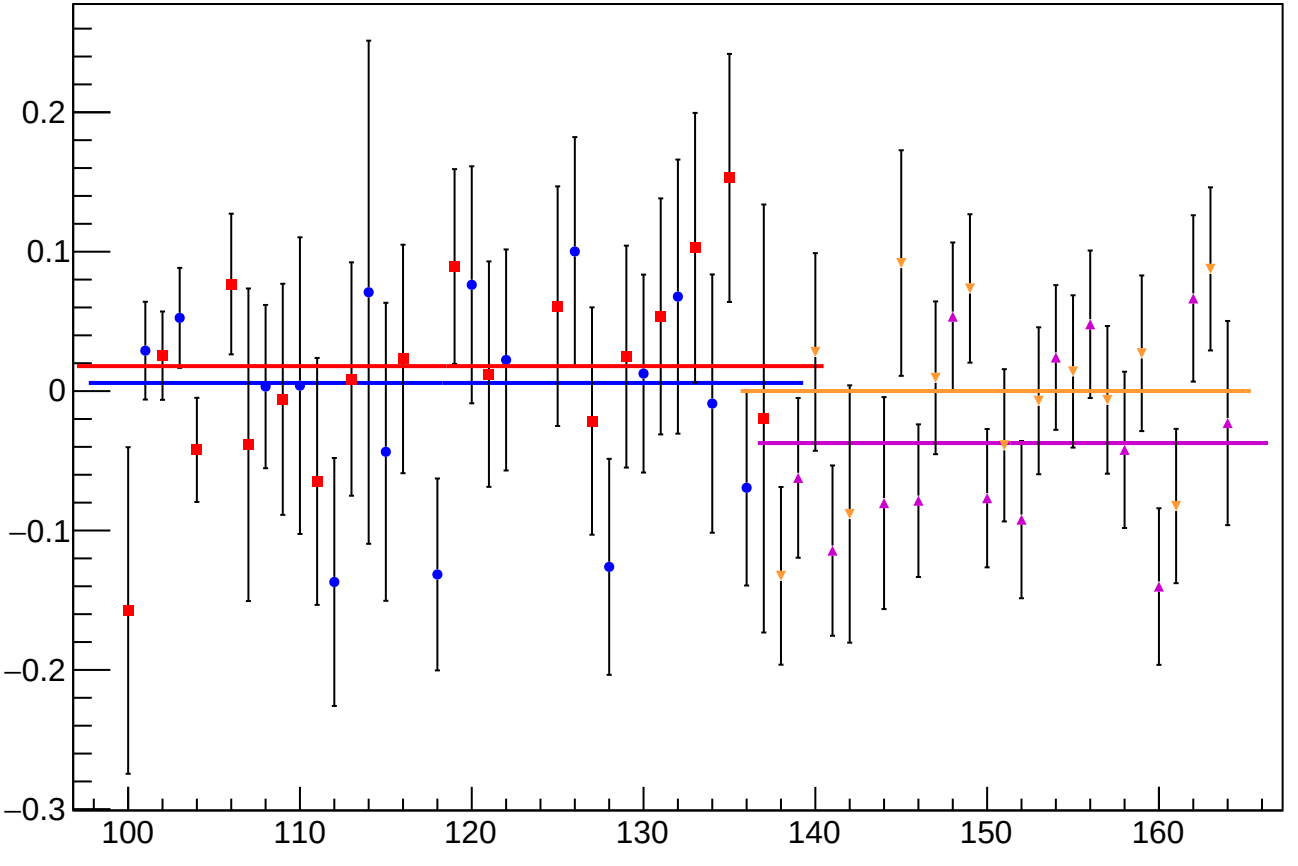
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 46.562+/-0.008 χ^2/NDF:2112137.5/28

Out: 45.230+/-0.008 χ^2/NDF:2689523.8/30

All: 45.891+/-0.006 χ^2/NDF: 4815336.1/59

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.016 χ^2/NDF:13.9/12

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

Left In: -0.037+/-0.016 χ^2/NDF:17.6/12

Left: -0.019+/-0.011 χ^2/NDF: 34.2/25

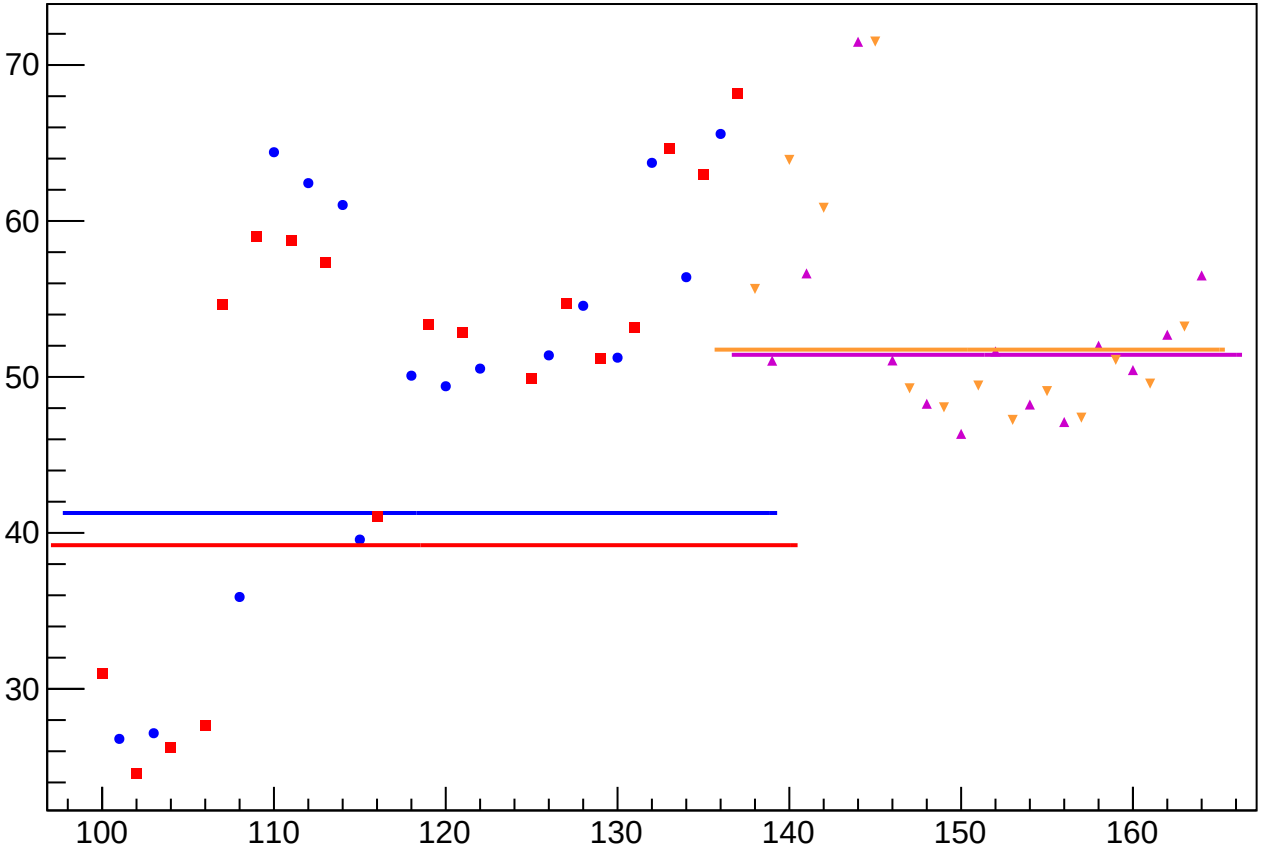
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.017+/-0.011 χ^2/NDF:36.7/28

Out: 0.009+/-0.011 χ^2/NDF:26.9/30

All: -0.004+/-0.008 χ^2/NDF: 66.2/59

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: 51.751+/-0.012 χ^2/NDF:259931.3/12

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

Left In: 51.420+/-0.011 χ^2/NDF:214267.9/12

Left: 51.580+/-0.008 χ^2/NDF: 474622.6/25

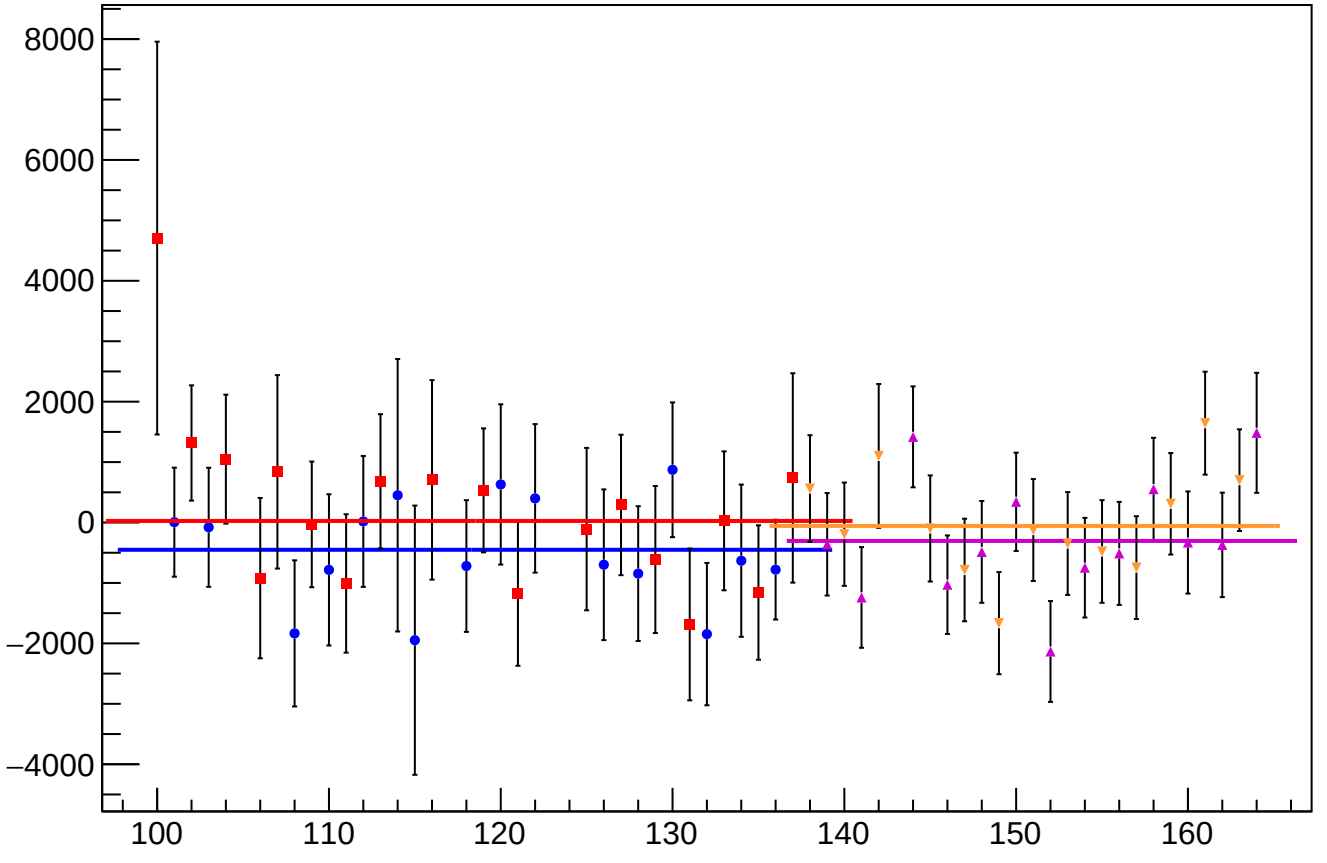
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 46.562+/-0.008 χ^2/NDF:2112137.5/28

Out: 45.230+/-0.008 χ^2/NDF:2689523.8/30

All: 45.891+/-0.006 χ^2/NDF: 4815336.1/59

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -56.303+/-241.040 χ^2/NDF:11.8/12

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

Left In: -304.814+/-234.943 χ^2/NDF:16.4/12

Left: -183.741+/-168.244 χ^2/NDF: 28.8/25

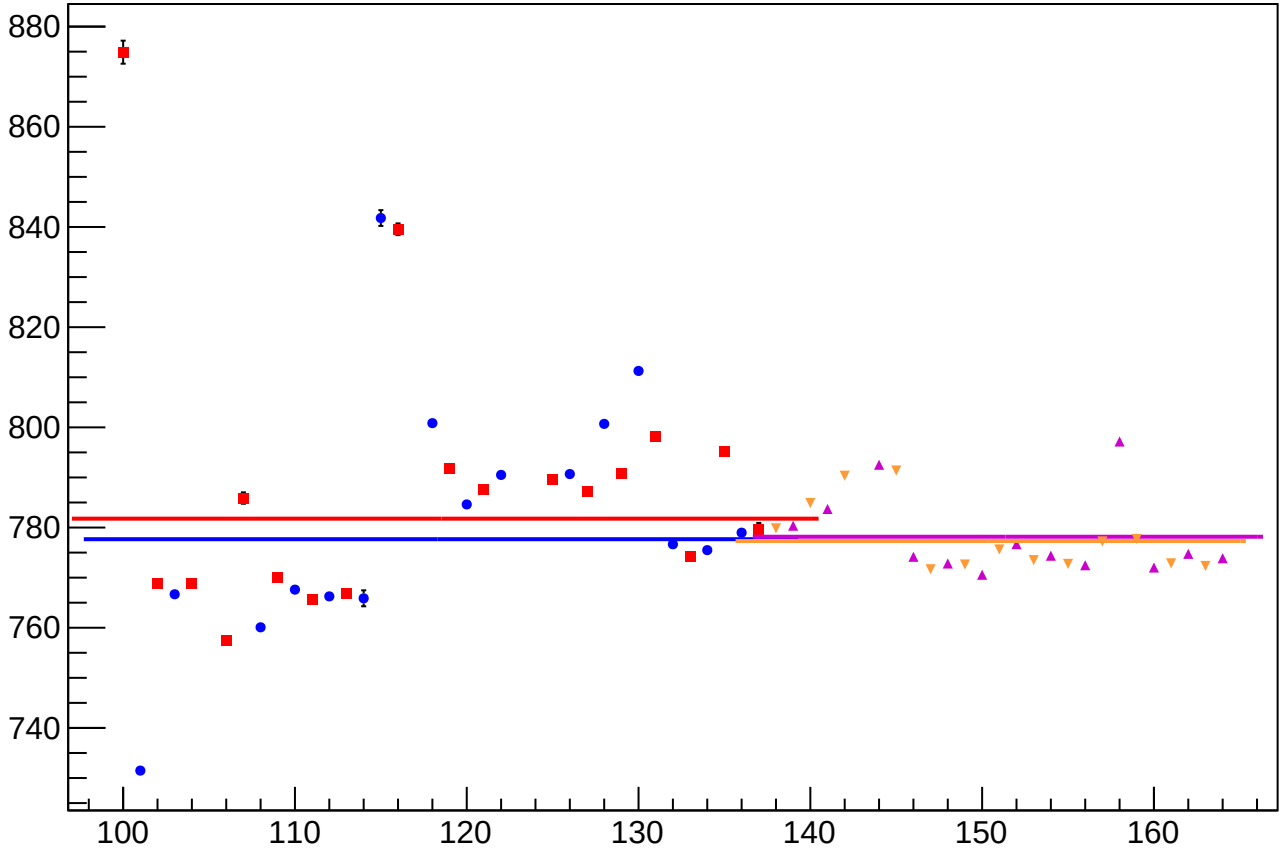
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -362.977+/-182.290 χ^2/NDF:23.5/28

Out: -22.370+/-184.864 χ^2/NDF:23.6/30

All: -195.061+/-129.799 χ^2/NDF: 48.8/59

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.314+/-0.170 χ^2/NDF:1309.2/12

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

Left In: 778.168+/-0.166 χ^2/NDF:2312.0/12

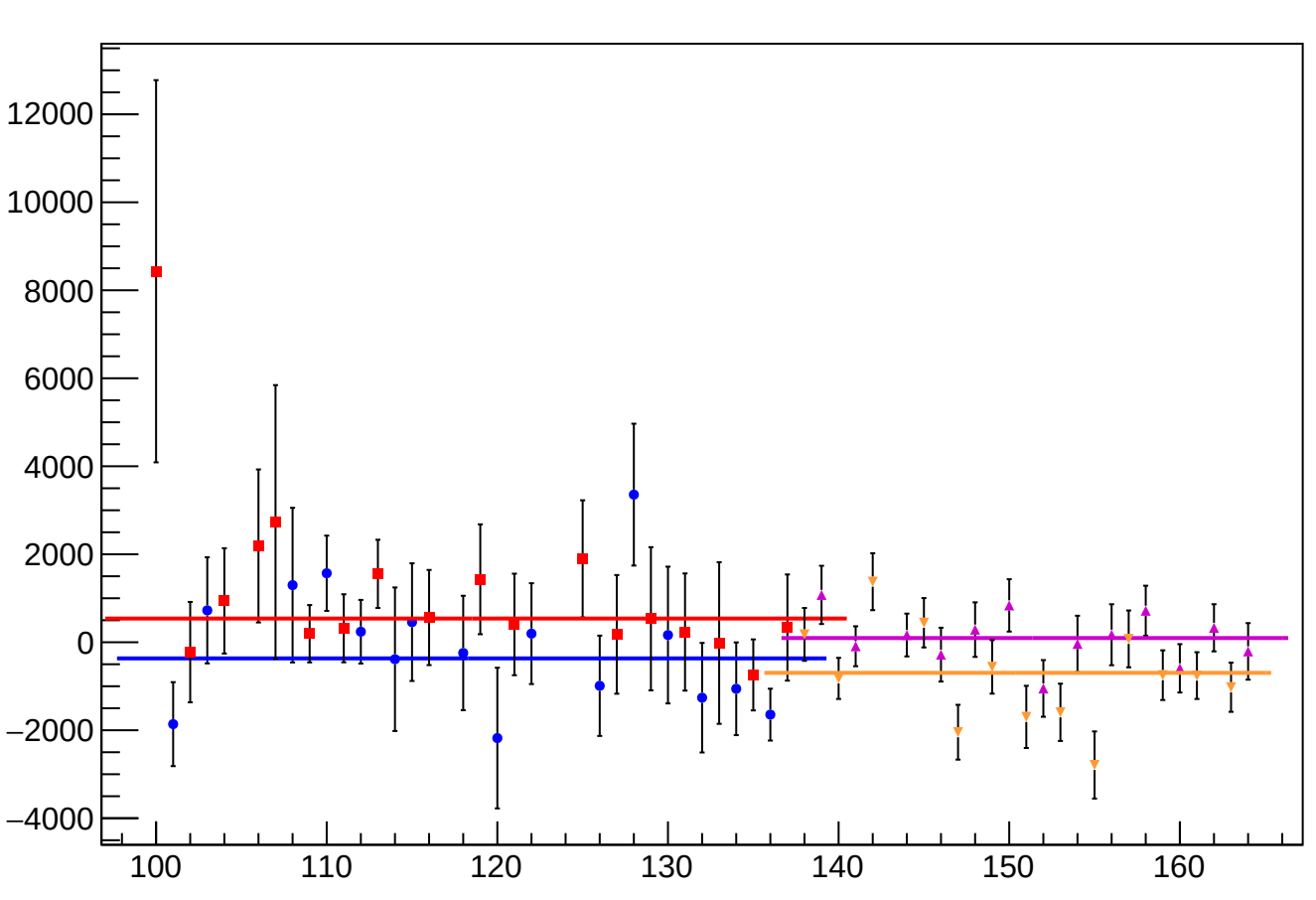
Left: 777.752+/-0.119 χ^2/NDF: 3634.0/25

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

In: 777.971+/-0.129 χ^2/NDF:14370.9/28

Out: 779.152+/-0.131 χ^2/NDF:9217.8/30

All: 778.553+/-0.092 χ^2/NDF: 23630.0/59



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

Left Out: -695.765+/-165.436 χ^2/NDF:34.5/12

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

Left In: 95.621+/-160.716 χ^2/NDF:10.8/12

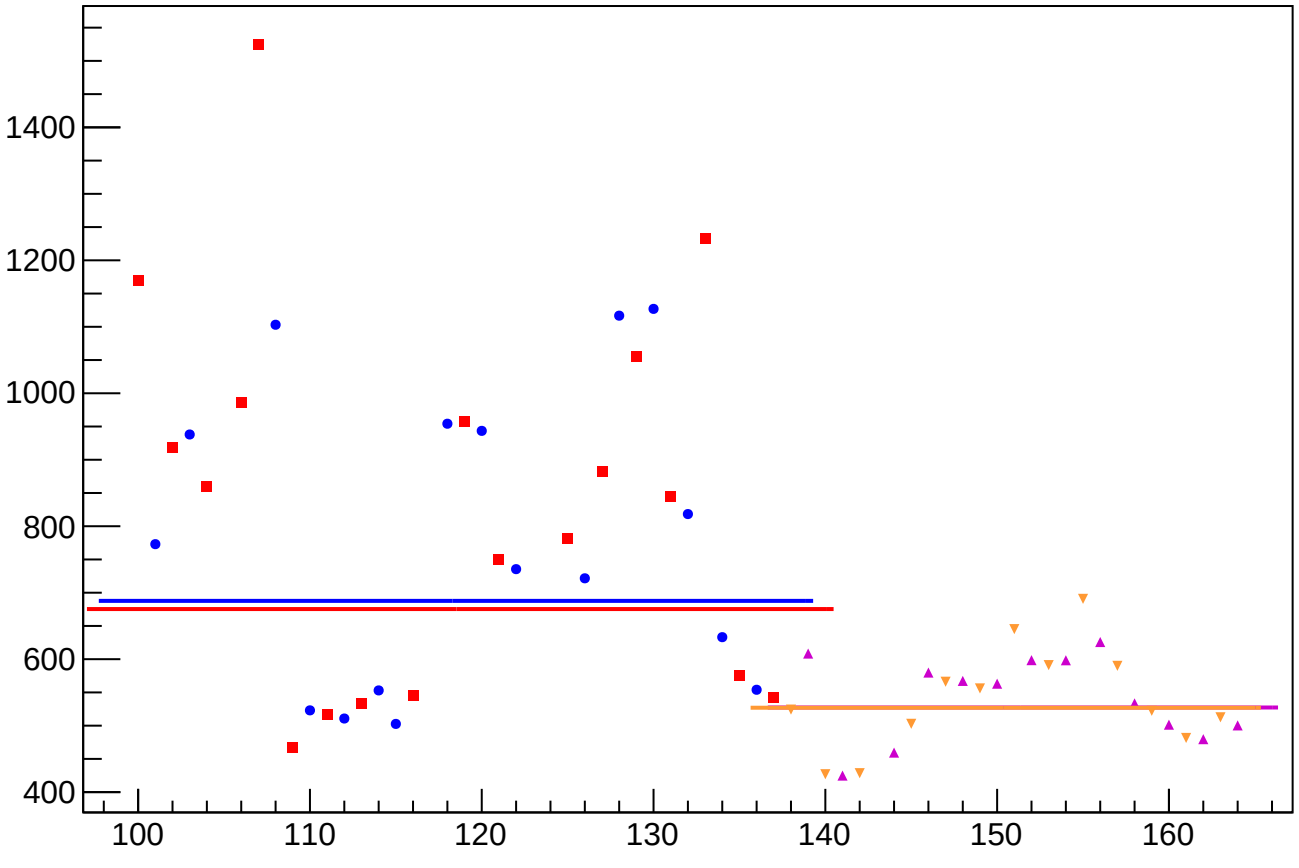
Left: -288.620+/-115.276 χ^2/NDF: 57.1/25

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

In: -27.624+/-137.654 χ^2/NDF:36.3/28

Out: -345.556+/-140.021 χ^2/NDF:62.0/30

All: -183.880+/-98.162 χ^2/NDF: 100.9/59



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

Left Out: 526.972+/-0.117 χ^2/NDF:356751.1/12

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

Left In: 527.326+/-0.114 χ^2/NDF:314771.5/12

Left: 527.154+/-0.082 χ^2/NDF: 671527.3/25

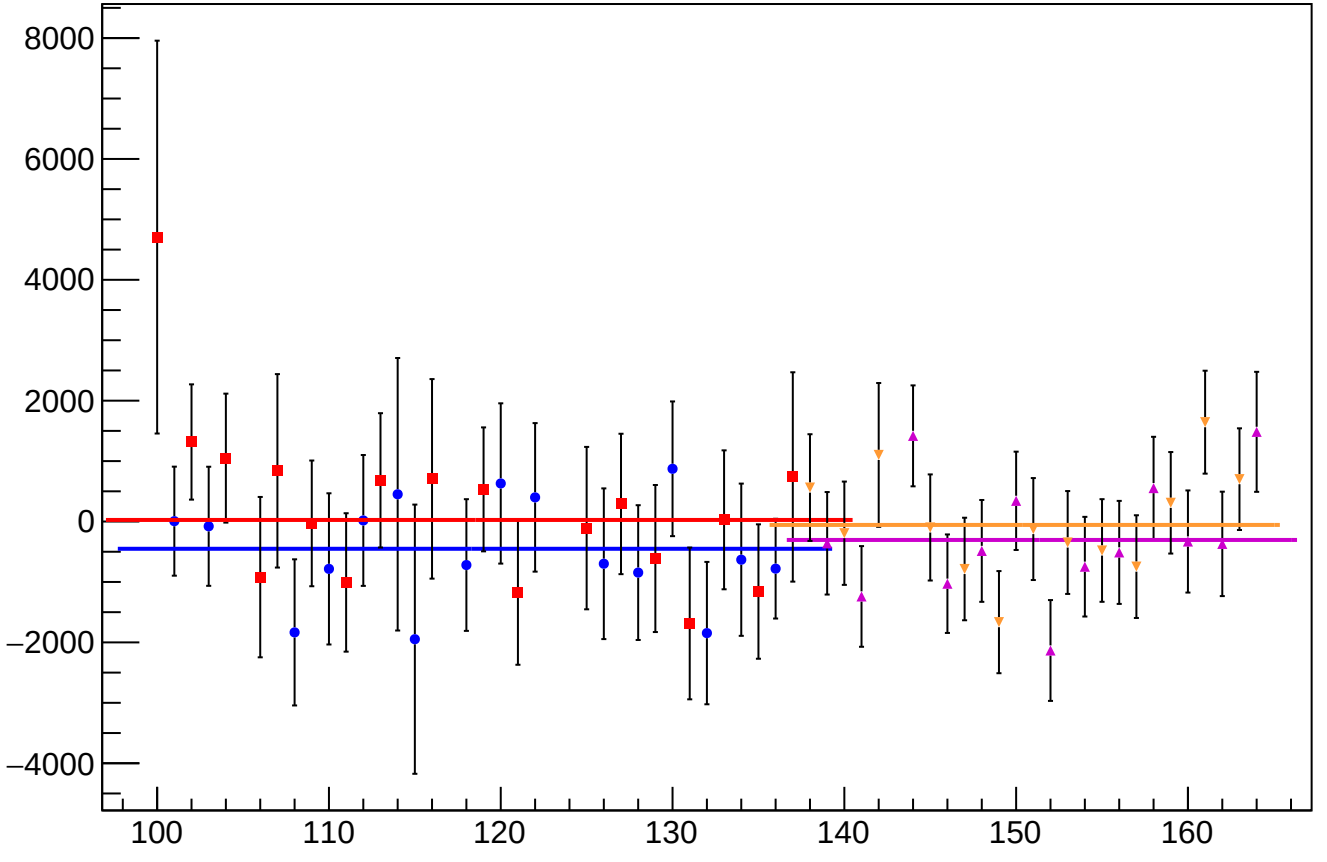
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 570.054+/-0.097 χ^2/NDF:1877329.0/28

Out: 569.076+/-0.099 χ^2/NDF:2126463.6/30

All: 569.574+/-0.069 χ^2/NDF: 4003842.1/59

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -56.303+/-241.040 χ^2/NDF:11.8/12

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

Left In: -304.814+/-234.943 χ^2/NDF:16.4/12

Left: -183.741+/-168.244 χ^2/NDF: 28.8/25

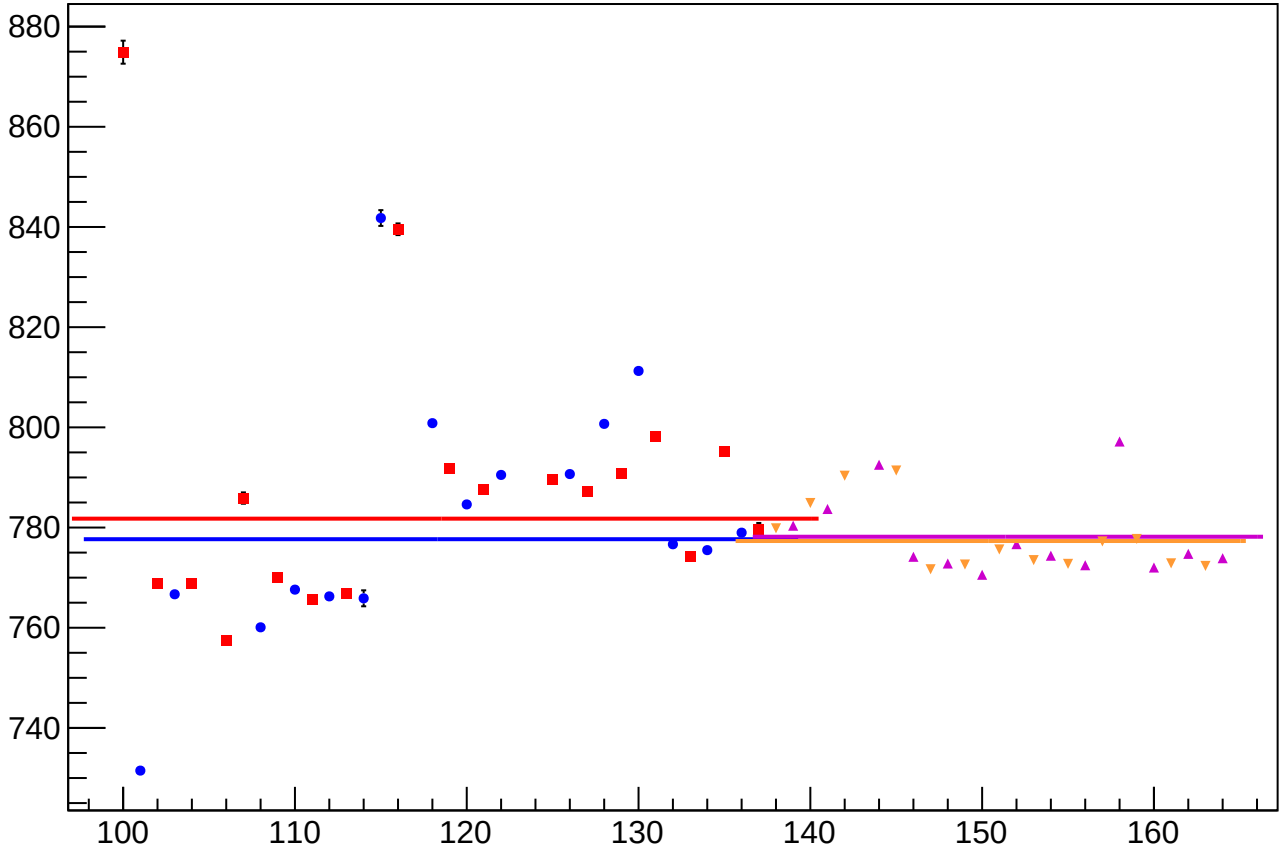
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -362.977+/-182.290 χ^2/NDF:23.5/28

Out: -22.370+/-184.864 χ^2/NDF:23.6/30

All: -195.061+/-129.799 χ^2/NDF: 48.8/59

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.314+/-0.170 χ^2/NDF:1309.2/12

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

Left In: 778.168+/-0.166 χ^2/NDF:2312.0/12

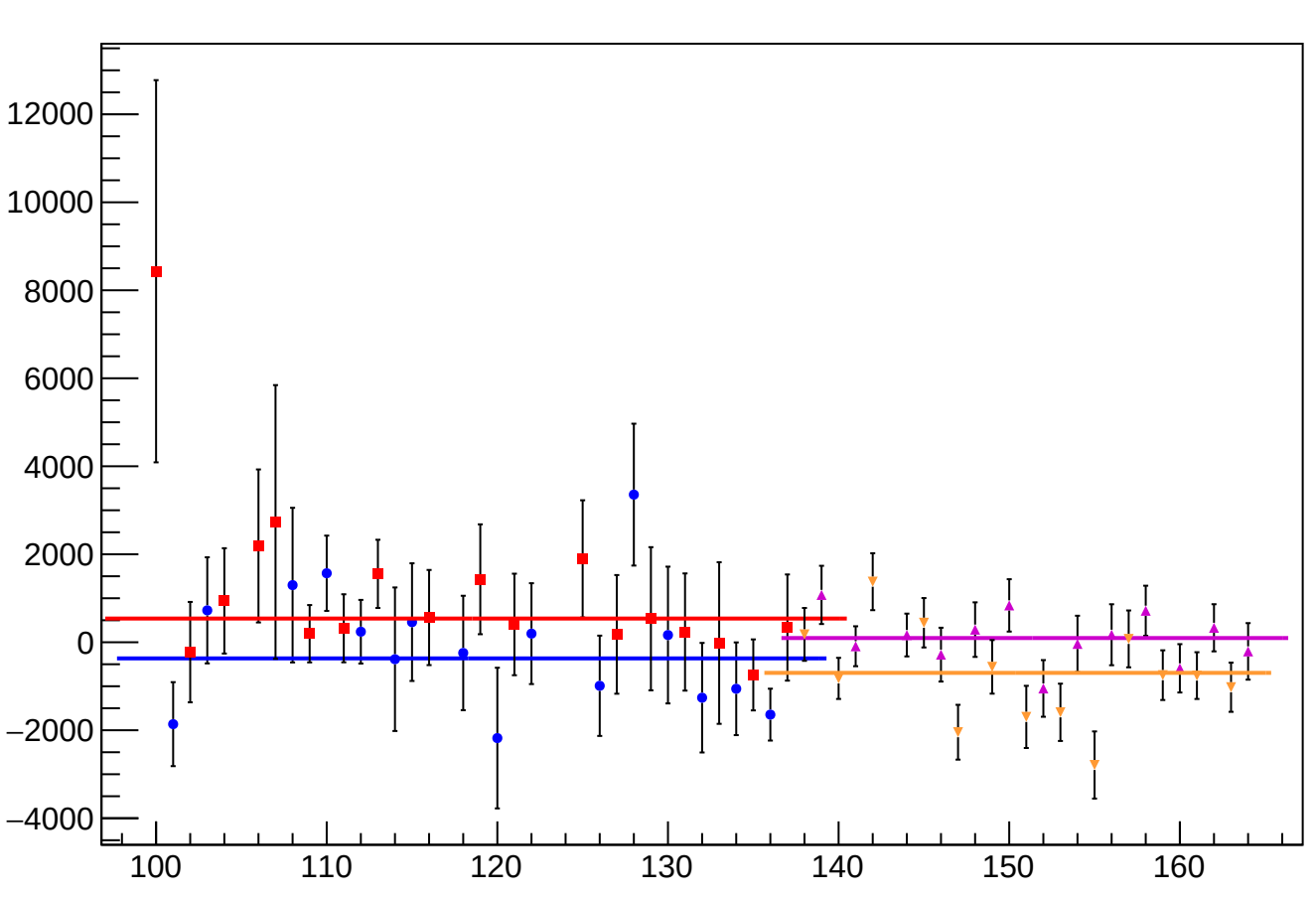
Left: 777.752+/-0.119 χ^2/NDF: 3634.0/25

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

In: 777.971+/-0.129 χ^2/NDF:14370.9/28

Out: 779.152+/-0.131 χ^2/NDF:9217.8/30

All: 778.553+/-0.092 χ^2/NDF: 23630.0/59



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

Left Out: -695.765+/-165.436 χ^2/NDF:34.5/12

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

Left In: 95.621+/-160.716 χ^2/NDF:10.8/12

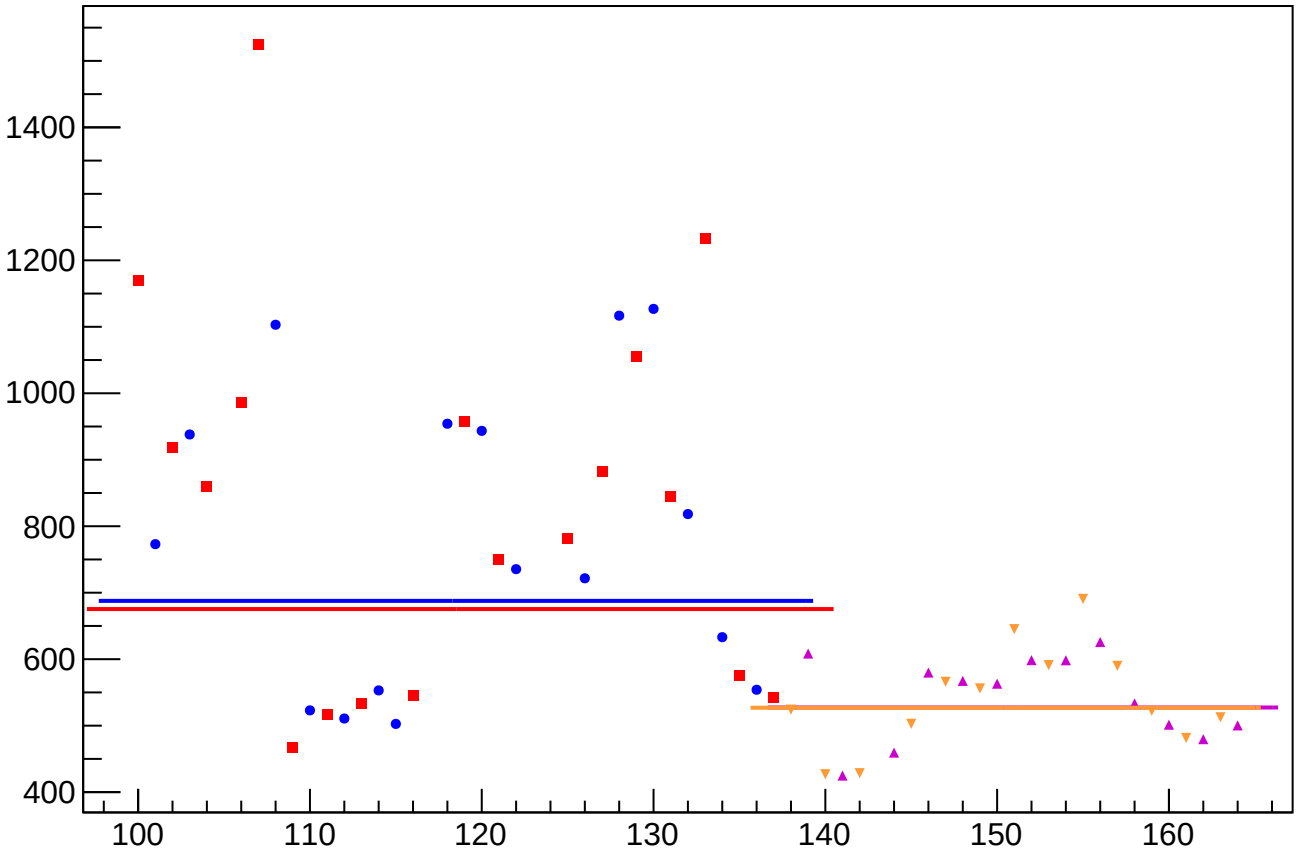
Left: -288.620+/-115.276 χ^2/NDF: 57.1/25

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

In: -27.624+/-137.654 χ^2/NDF:36.3/28

Out: -345.556+/-140.021 χ^2/NDF:62.0/30

All: -183.880+/-98.162 χ^2/NDF: 100.9/59



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

Left Out: 526.972+/-0.117 χ^2/NDF:356751.1/12

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

Left In: 527.326+/-0.114 χ^2/NDF:314771.5/12

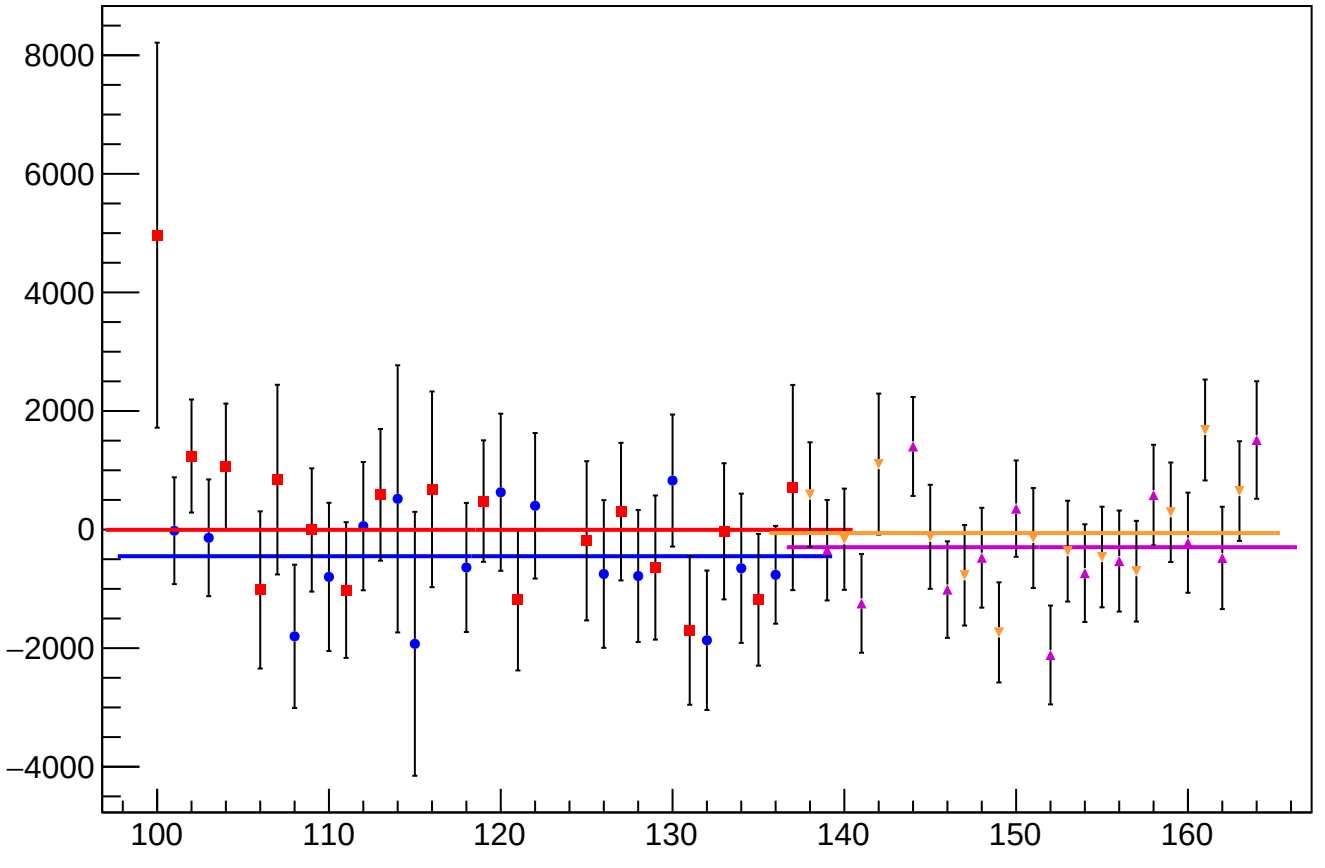
Left: 527.154+/-0.082 χ^2/NDF: 671527.3/25

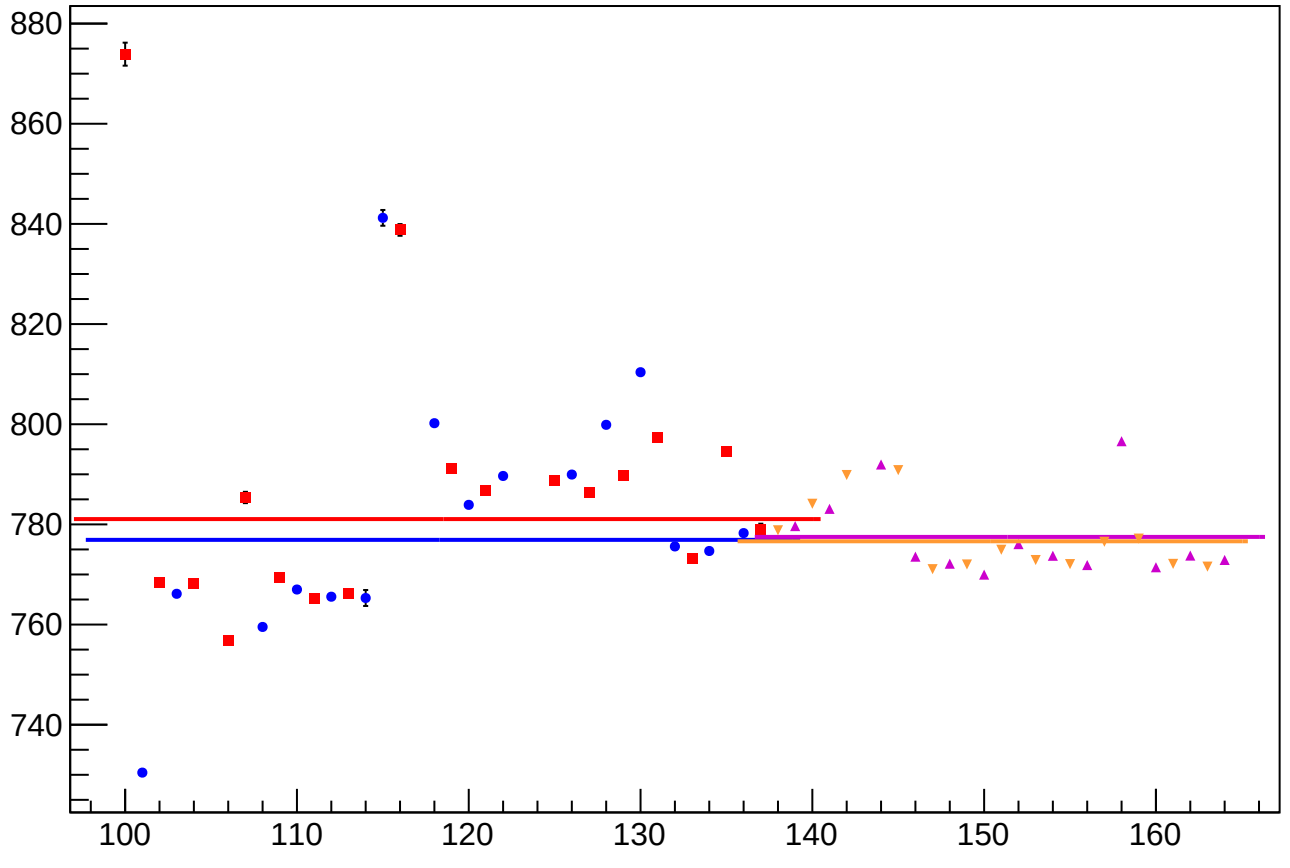
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 570.054+/-0.097 χ^2/NDF:1877329.0/28

Out: 569.076+/-0.099 χ^2/NDF:2126463.6/30

All: 569.574+/-0.069 χ^2/NDF: 4003842.1/59


overload_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: -449.430+/-288.668 χ²/NDF: 6.8/15
Left Out: -58.661+/-240.827 χ²/NDF:12.2/12
Right Out: -4.645+/-287.815 χ²/NDF: 11.8/17
Left In: -297.300+/-234.743 χ²/NDF:16.5/12
Left: -181.033+/-168.098 χ²/NDF: 29.1/25
Right: -226.380+/-203.817 χ²/NDF: 19.8/33
In: -357.856+/-182.125 χ²/NDF:23.4/28
Out: -36.417+/-184.699 χ²/NDF:24.0/30
All: -199.391+/-129.682 χ²/NDF: 48.9/59



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

Left Out: 776.628+/-0.170 χ^2/NDF:1319.0/12

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

Left In: 777.503+/-0.166 χ^2/NDF:2336.7/12

Left: 777.077+/-0.119 χ^2/NDF: 3669.2/25

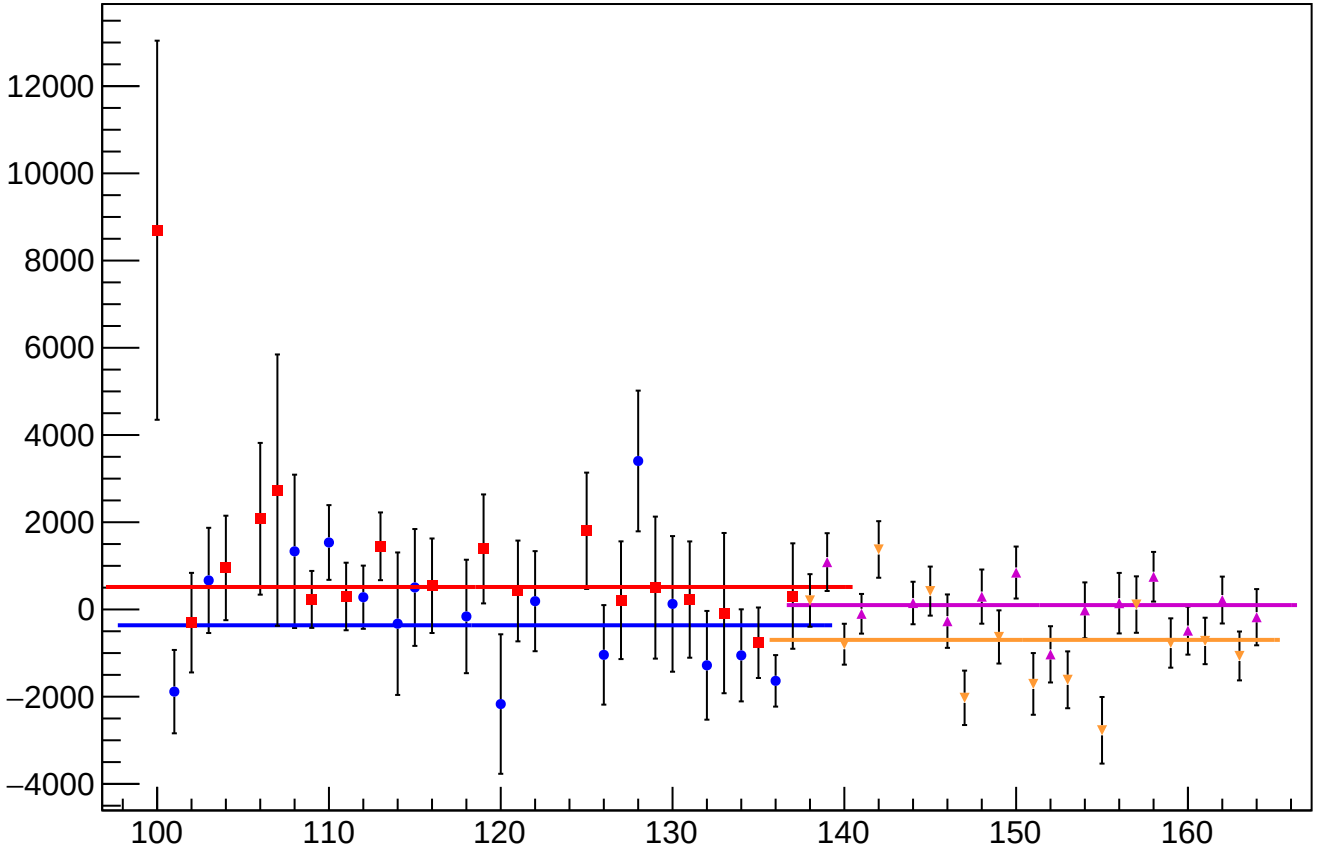
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 777.268+/-0.129 χ^2/NDF:14465.3/28

Out: 778.453+/-0.131 χ^2/NDF:9183.8/30

All: 777.852+/-0.092 χ^2/NDF: 23690.9/59

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: -697.709+/-165.777 χ^2/NDF:34.4/12

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

Left In: 99.996+/-161.033 χ^2/NDF:10.2/12

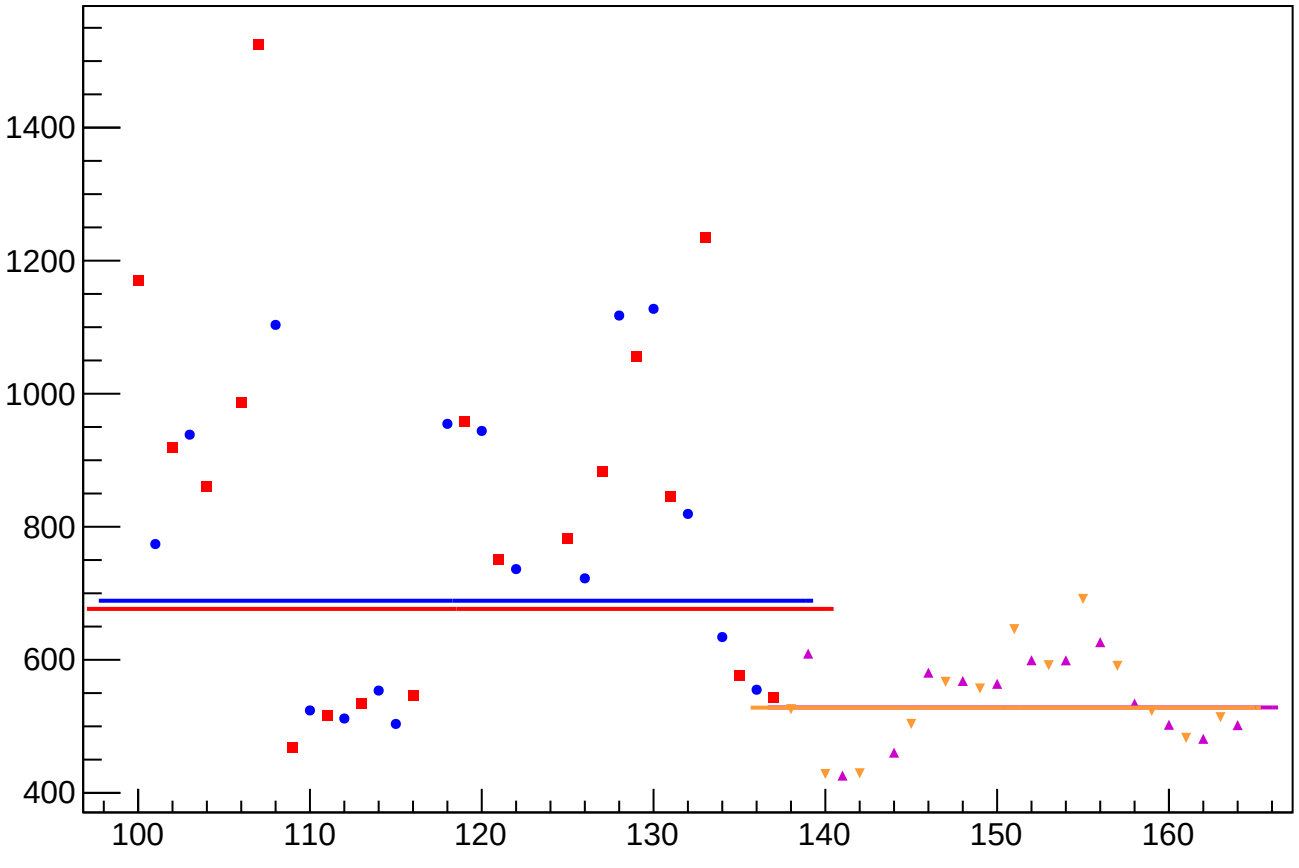
Left: -287.280+/-115.508 χ^2/NDF: 56.5/25

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

In: -23.390+/-137.906 χ^2/NDF:35.8/28

Out: -353.367+/-140.287 χ^2/NDF:61.0/30

All: -185.555+/-98.345 χ^2/NDF: 99.6/59



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

Left Out: 528.110+/-0.117 χ^2/NDF:353769.7/12

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

Left In: 528.407+/-0.114 χ^2/NDF:312110.6/12

Left: 528.263+/-0.082 χ^2/NDF: 665883.5/25

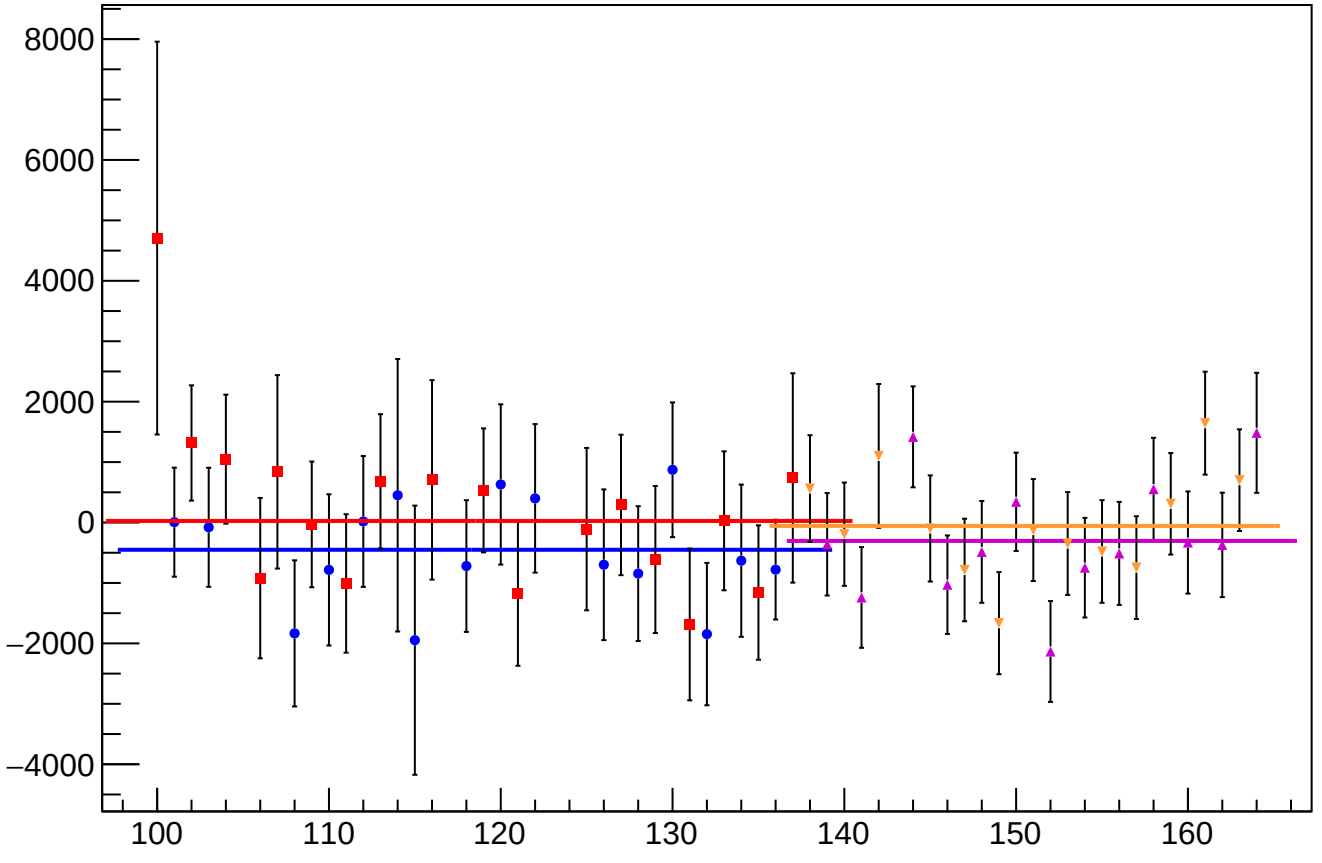
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 571.176+/-0.098 χ^2/NDF:1869394.7/28

Out: 570.254+/-0.099 χ^2/NDF:2117153.6/30

All: 570.723+/-0.070 χ^2/NDF: 3986592.2/59

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -56.303+/-241.040 χ^2/NDF:11.8/12

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

Left In: -304.814+/-234.943 χ^2/NDF:16.4/12

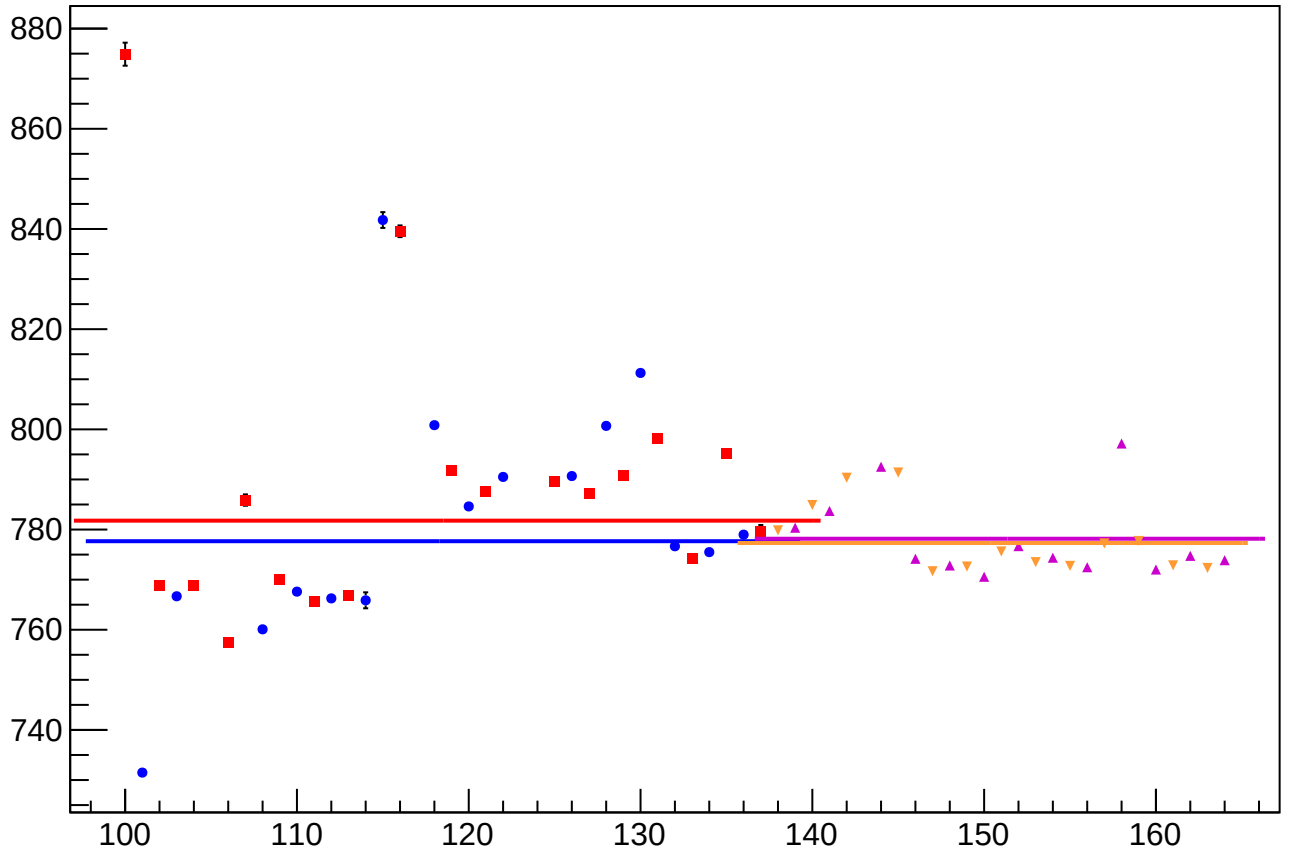
Left: -183.741+/-168.244 χ^2/NDF: 28.8/25

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

In: -362.977+/-182.290 χ^2/NDF:23.5/28

Out: -22.370+/-184.864 χ^2/NDF:23.6/30

All: -195.061+/-129.799 χ^2/NDF: 48.8/59



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

Left Out: 777.314+/-0.170 χ^2/NDF:1309.2/12

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

Left In: 778.168+/-0.166 χ^2/NDF:2312.0/12

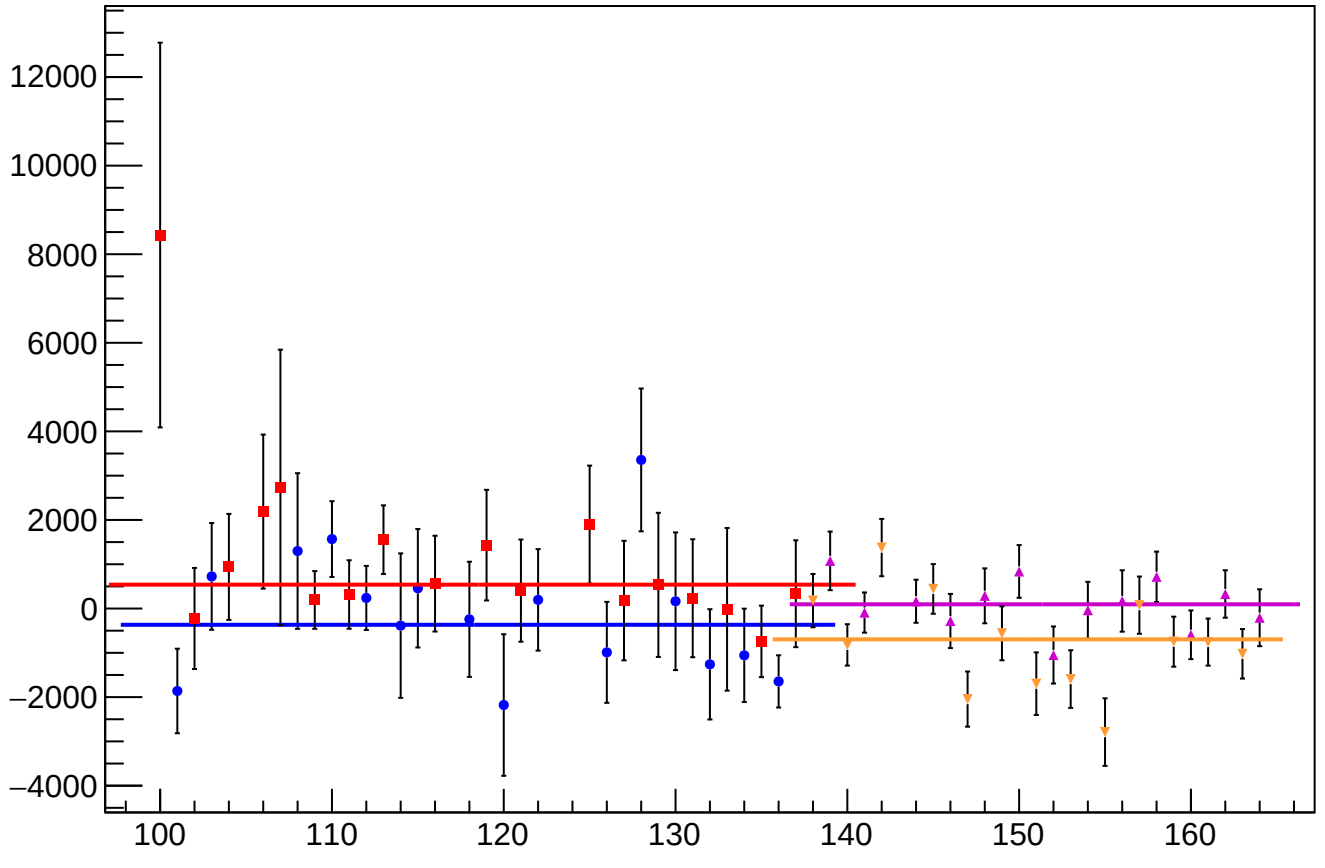
Left: 777.752+/-0.119 χ^2/NDF: 3634.0/25

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

In: 777.971+/-0.129 χ^2/NDF:14370.9/28

Out: 779.152+/-0.131 χ^2/NDF:9217.8/30

All: 778.553+/-0.092 χ^2/NDF: 23630.0/59



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

Left Out: -695.765+/-165.436 χ^2/NDF:34.5/12

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

Left In: 95.621+/-160.716 χ^2/NDF:10.8/12

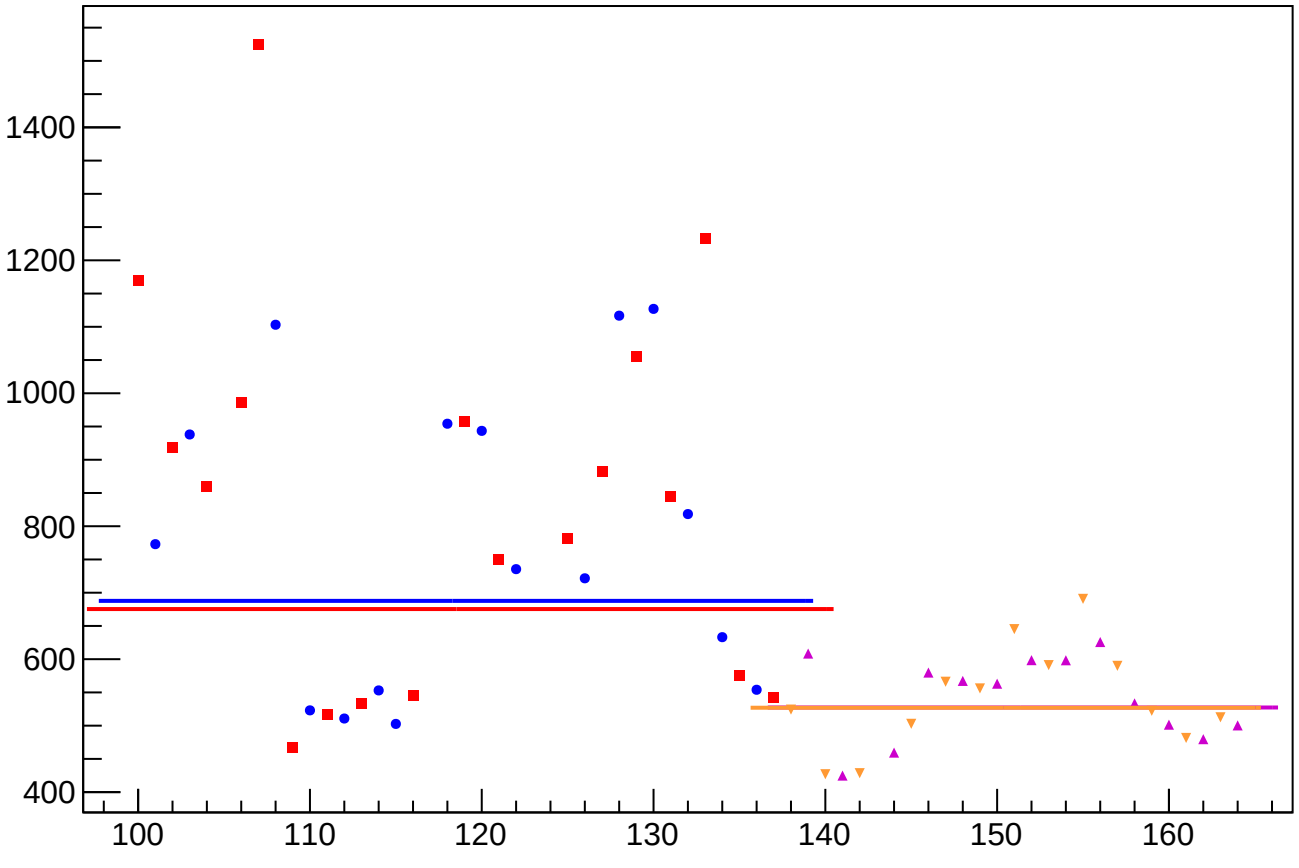
Left: -288.620+/-115.276 χ^2/NDF: 57.1/25

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

In: -27.624+/-137.654 χ^2/NDF:36.3/28

Out: -345.556+/-140.021 χ^2/NDF:62.0/30

All: -183.880+/-98.162 χ^2/NDF: 100.9/59



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

Left Out: 526.972+/-0.117 χ^2/NDF:356751.1/12

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

Left In: 527.326+/-0.114 χ^2/NDF:314771.5/12

Left: 527.154+/-0.082 χ^2/NDF: 671527.3/25

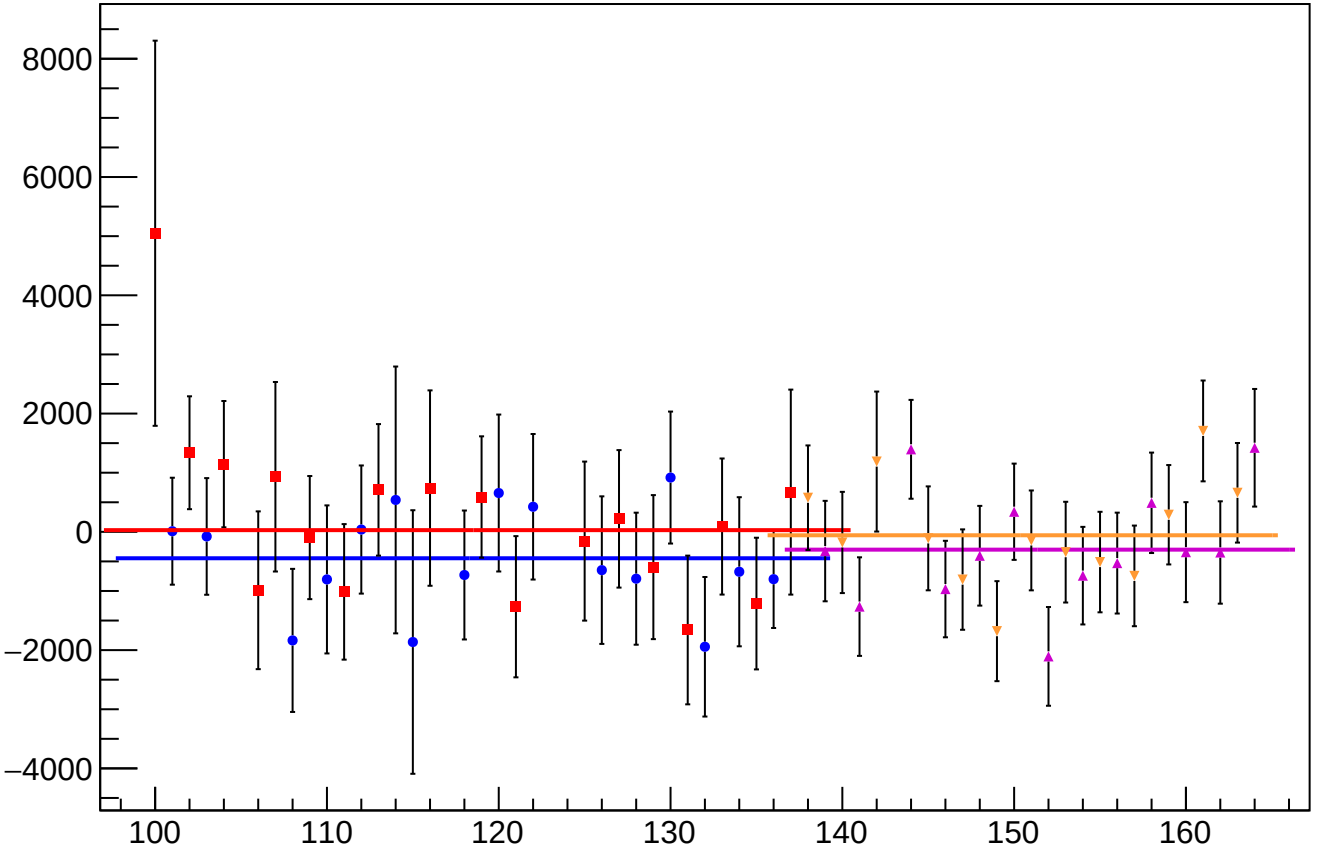
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 570.054+/-0.097 χ^2/NDF:1877329.0/28

Out: 569.076+/-0.099 χ^2/NDF:2126463.6/30

All: 569.574+/-0.069 χ^2/NDF: 4003842.1/59

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -57.925+/-241.219 χ^2/NDF:12.3/12

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

Left In: -301.091+/-235.149 χ^2/NDF:15.7/12

Left: -182.606+/-168.380 χ^2/NDF: 28.5/25

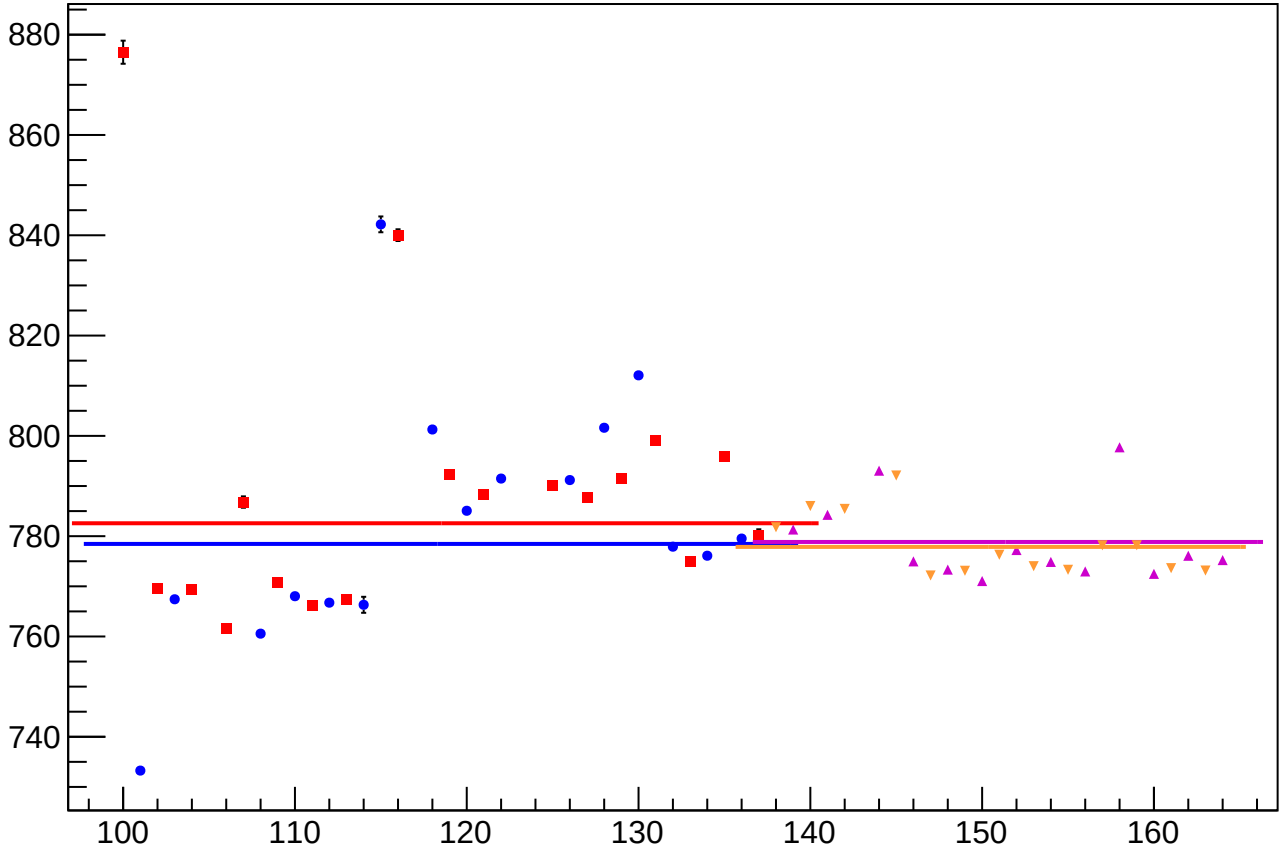
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -359.017+/-182.458 χ^2/NDF:23.1/28

Out: -22.229+/-185.023 χ^2/NDF:25.0/30

All: -192.973+/-129.915 χ^2/NDF: 49.8/59

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.862+/-0.171 χ^2/NDF:1199.4/12

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

Left In: 778.847+/-0.166 χ^2/NDF:2290.0/12

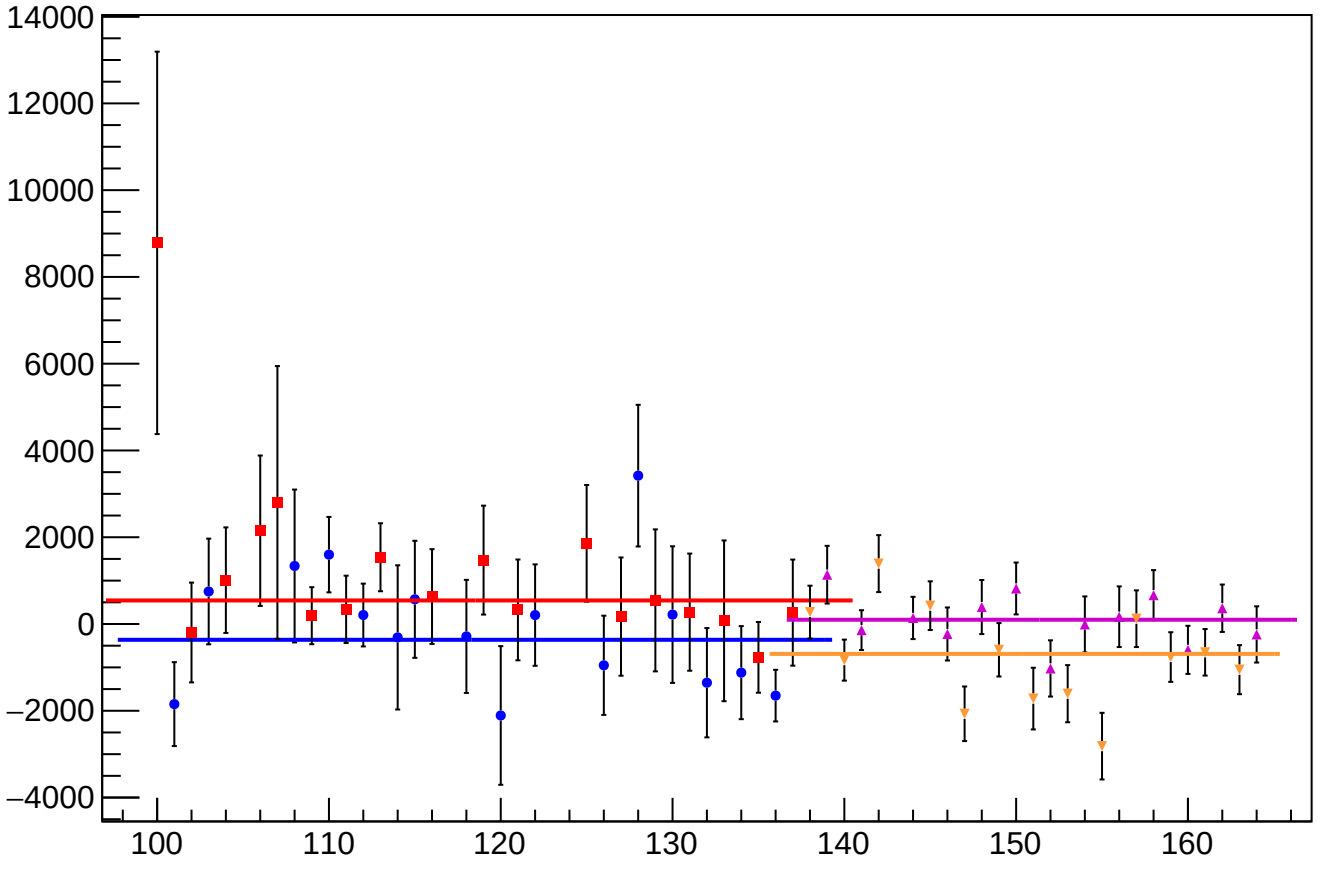
Left: 778.367+/-0.119 χ^2/NDF: 3506.5/25

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

In: 778.691+/-0.129 χ^2/NDF:14087.4/28

Out: 779.802+/-0.131 χ^2/NDF:8995.1/30

All: 779.239+/-0.092 χ^2/NDF: 23119.1/59



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

Left Out: -689.165+/-167.081 χ^2/NDF:35.1/12

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

Left In: 98.494+/-162.052 χ^2/NDF:10.8/12

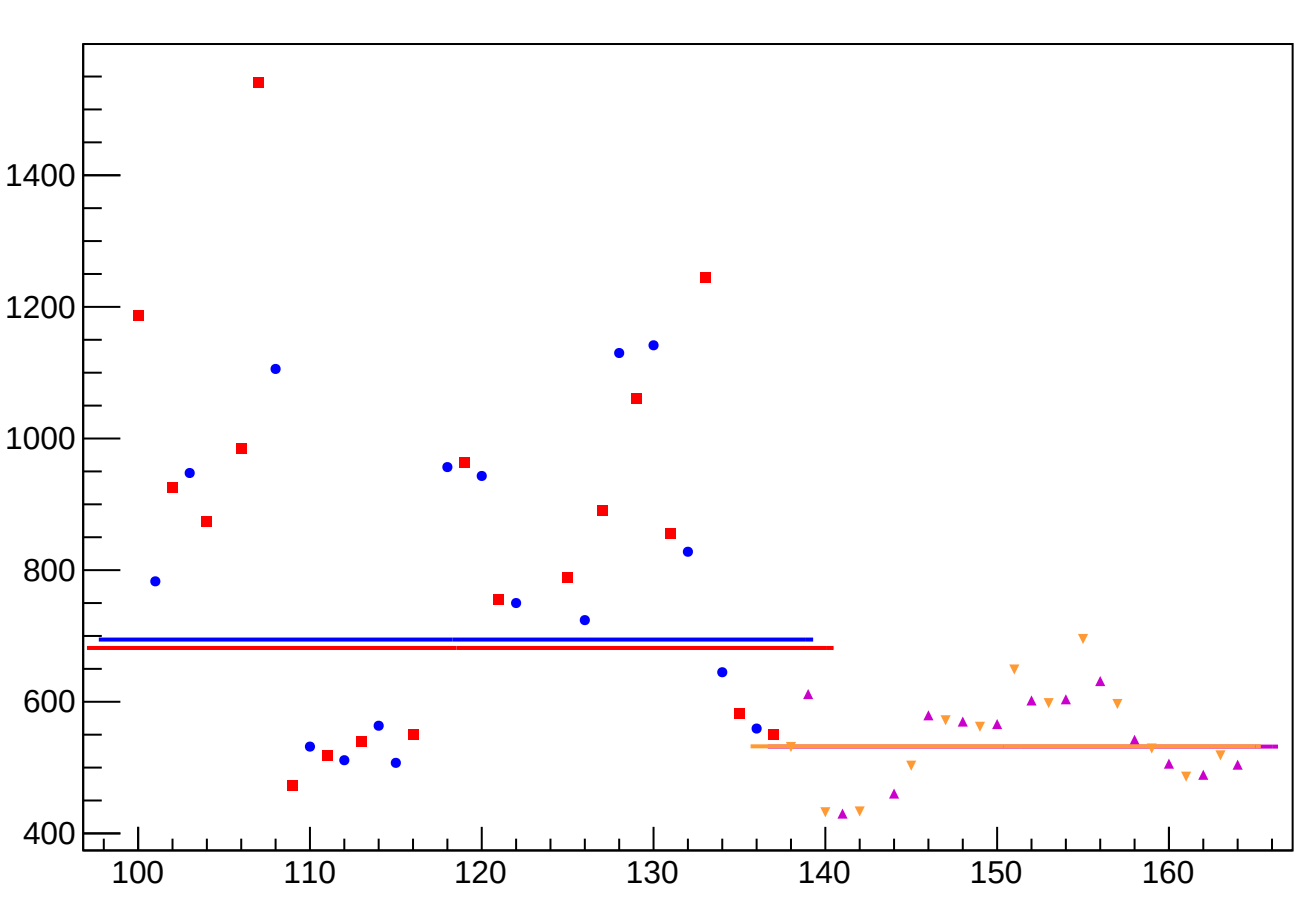
Left: -283.302+/-116.325 χ^2/NDF: 57.3/25

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

In: -24.439+/-138.853 χ^2/NDF:36.2/28

Out: -339.229+/-141.376 χ^2/NDF:62.3/30

All: -179.001+/-99.064 χ^2/NDF: 101.1/59



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

Left Out: 532.296+/-0.118 χ^2/NDF:352704.0/12

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

Left In: 531.899+/-0.115 χ^2/NDF:305800.1/12

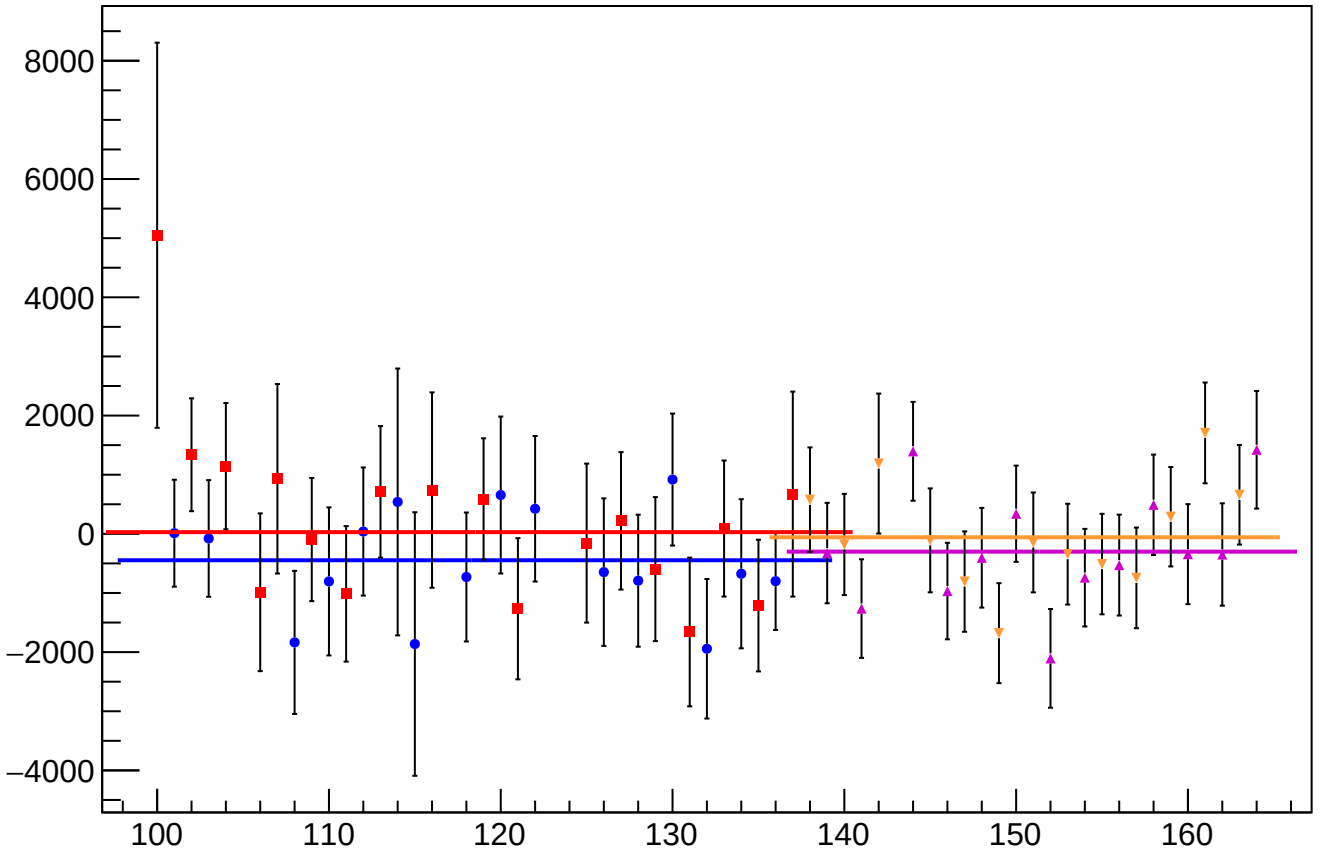
Left: 532.092+/-0.082 χ^2/NDF: 658509.9/25

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

In: 575.128+/-0.098 χ^2/NDF:1871078.7/28

Out: 574.744+/-0.100 χ^2/NDF:2118507.7/30

All: 574.939+/-0.070 χ^2/NDF: 3989593.9/59



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

Left Out: -57.927+/-241.219 χ^2/NDF:12.3/12

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

Left In: -301.090+/-235.149 χ^2/NDF:15.7/12

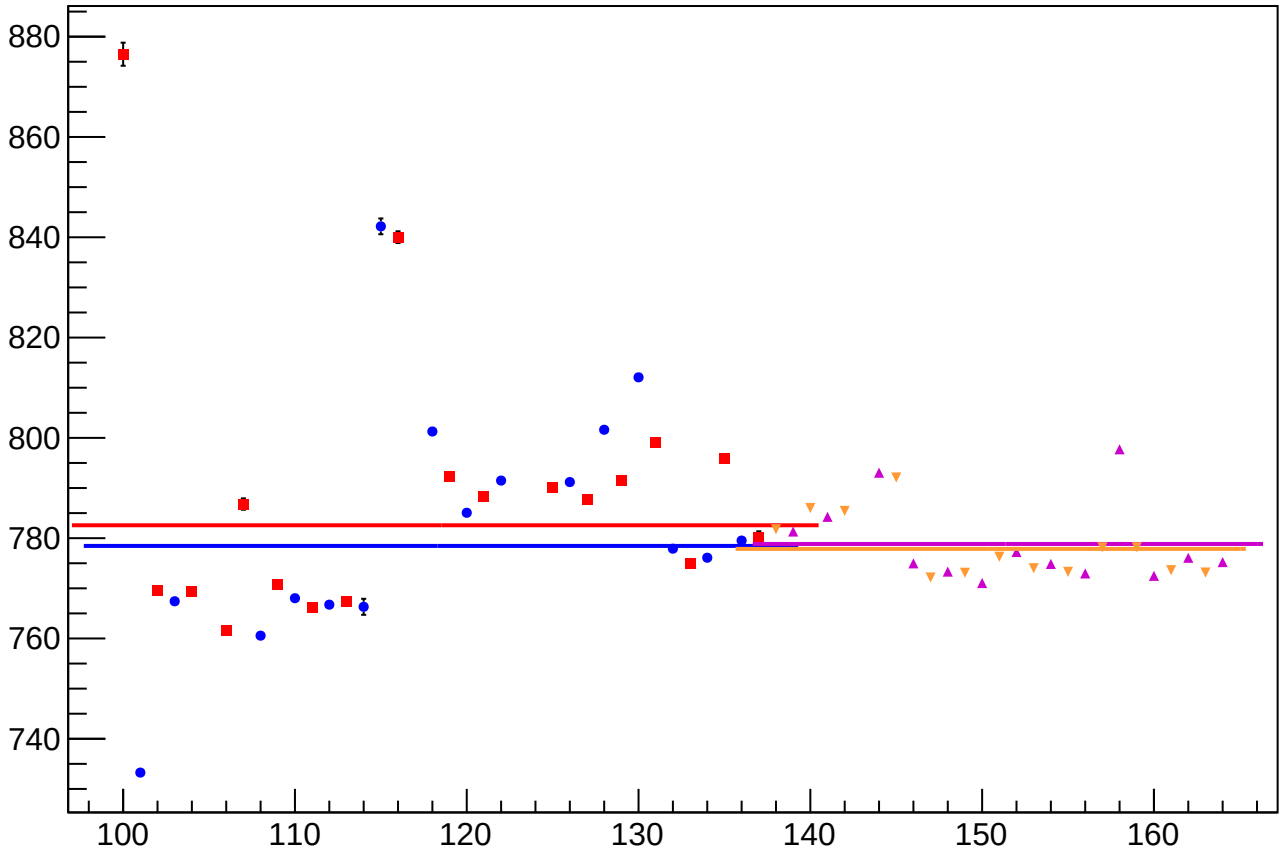
Left: -182.606+/-168.380 χ^2/NDF: 28.5/25

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

In: -359.017+/-182.458 χ^2/NDF:23.1/28

Out: -22.230+/-185.023 χ^2/NDF:25.0/30

All: -192.974+/-129.915 χ^2/NDF: 49.8/59



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

Left Out: 777.862+/-0.171 χ^2/NDF:1199.4/12

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

Left In: 778.847+/-0.166 χ^2/NDF:2290.0/12

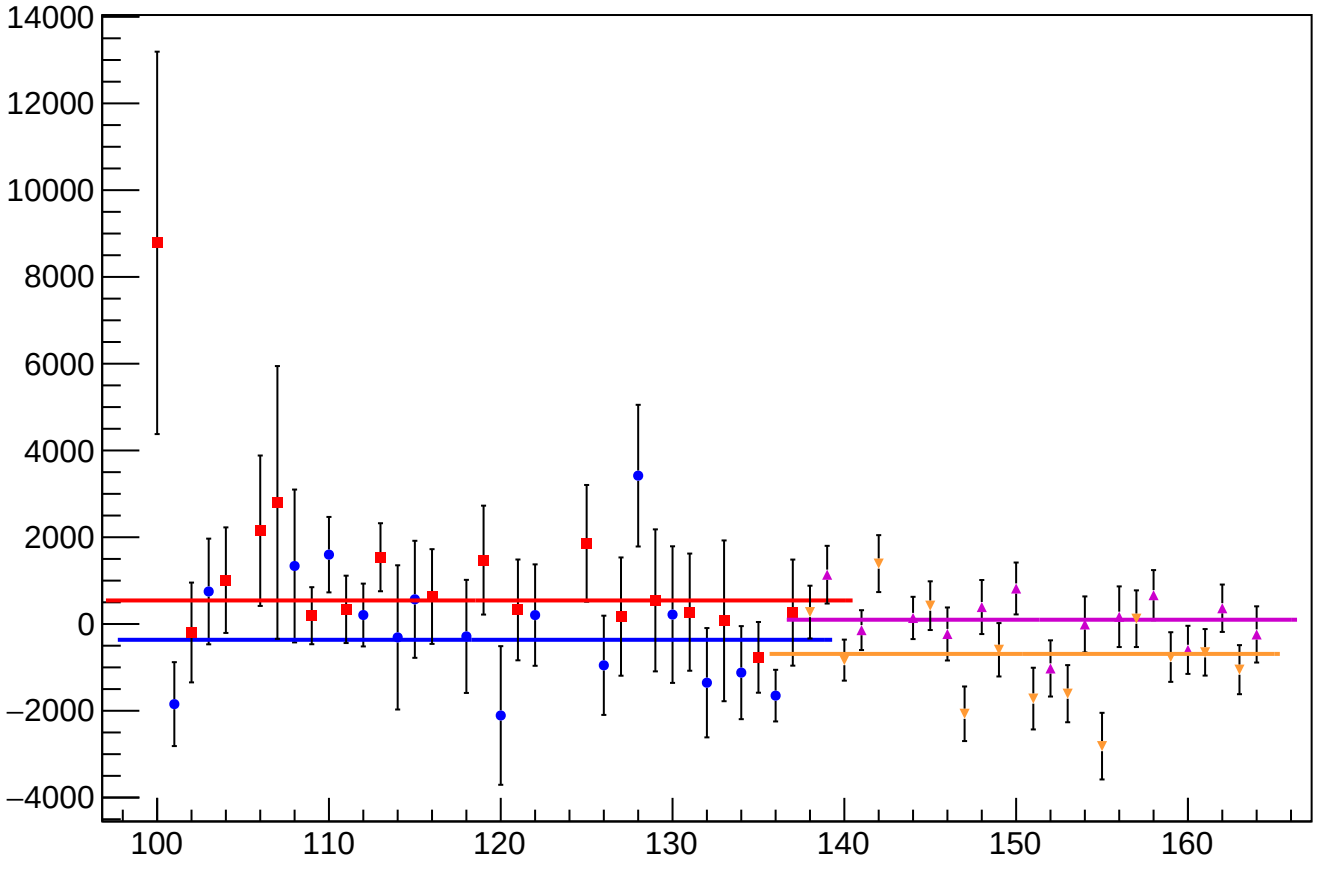
Left: 778.367+/-0.119 χ^2/NDF: 3506.4/25

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

In: 778.691+/-0.129 χ^2/NDF:14087.3/28

Out: 779.802+/-0.131 χ^2/NDF:8995.1/30

All: 779.239+/-0.092 χ^2/NDF: 23119.0/59



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

Left Out: -689.165+/-167.081 χ^2/NDF:35.1/12

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

Left In: 98.493+/-162.052 χ^2/NDF:10.8/12

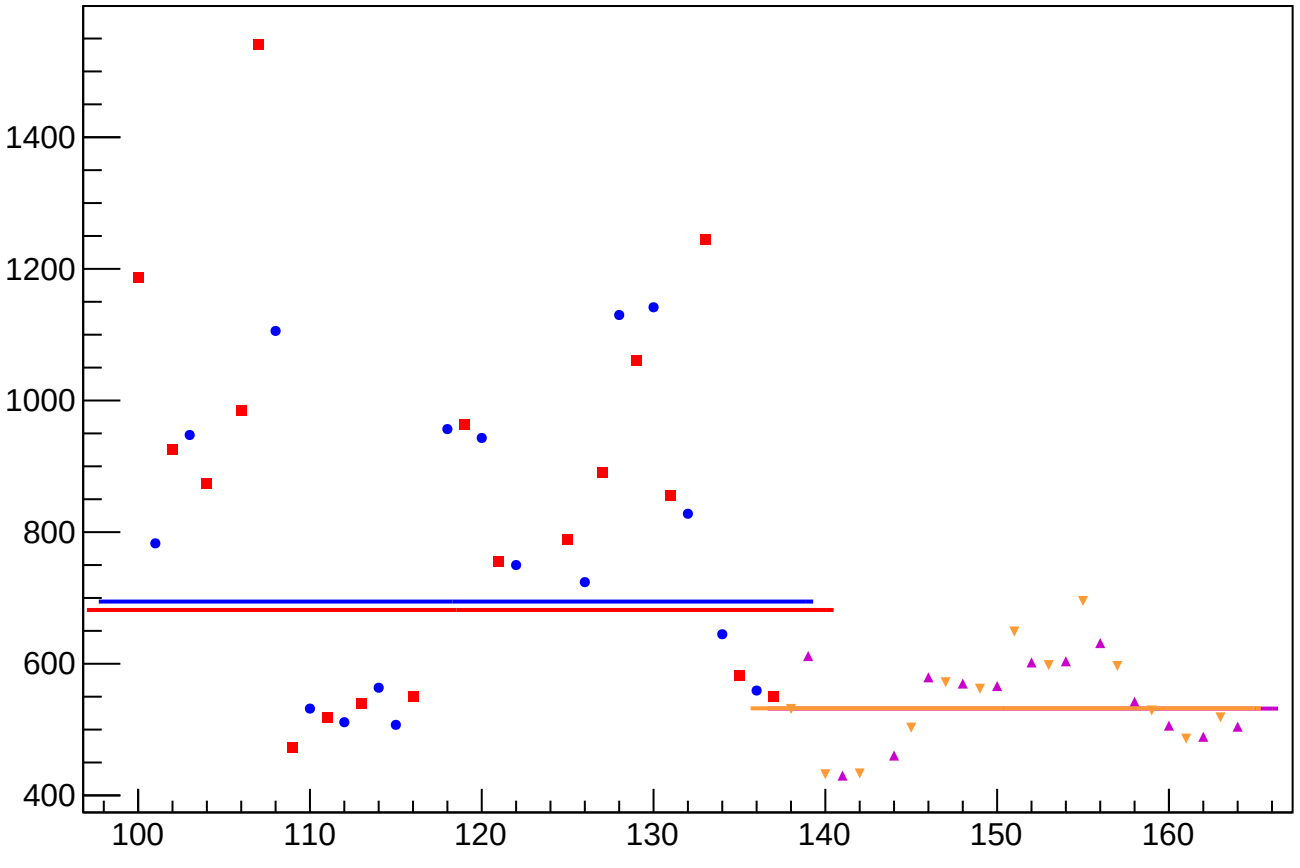
Left: -283.303+/-116.325 χ^2/NDF: 57.3/25

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

In: -24.440+/-138.853 χ^2/NDF:36.2/28

Out: -339.227+/-141.376 χ^2/NDF:62.3/30

All: -179.000+/-99.064 χ^2/NDF: 101.1/59



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

Left Out: 532.296+/-0.118 χ^2/NDF:352716.3/12

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

Left In: 531.900+/-0.115 χ^2/NDF:305812.5/12

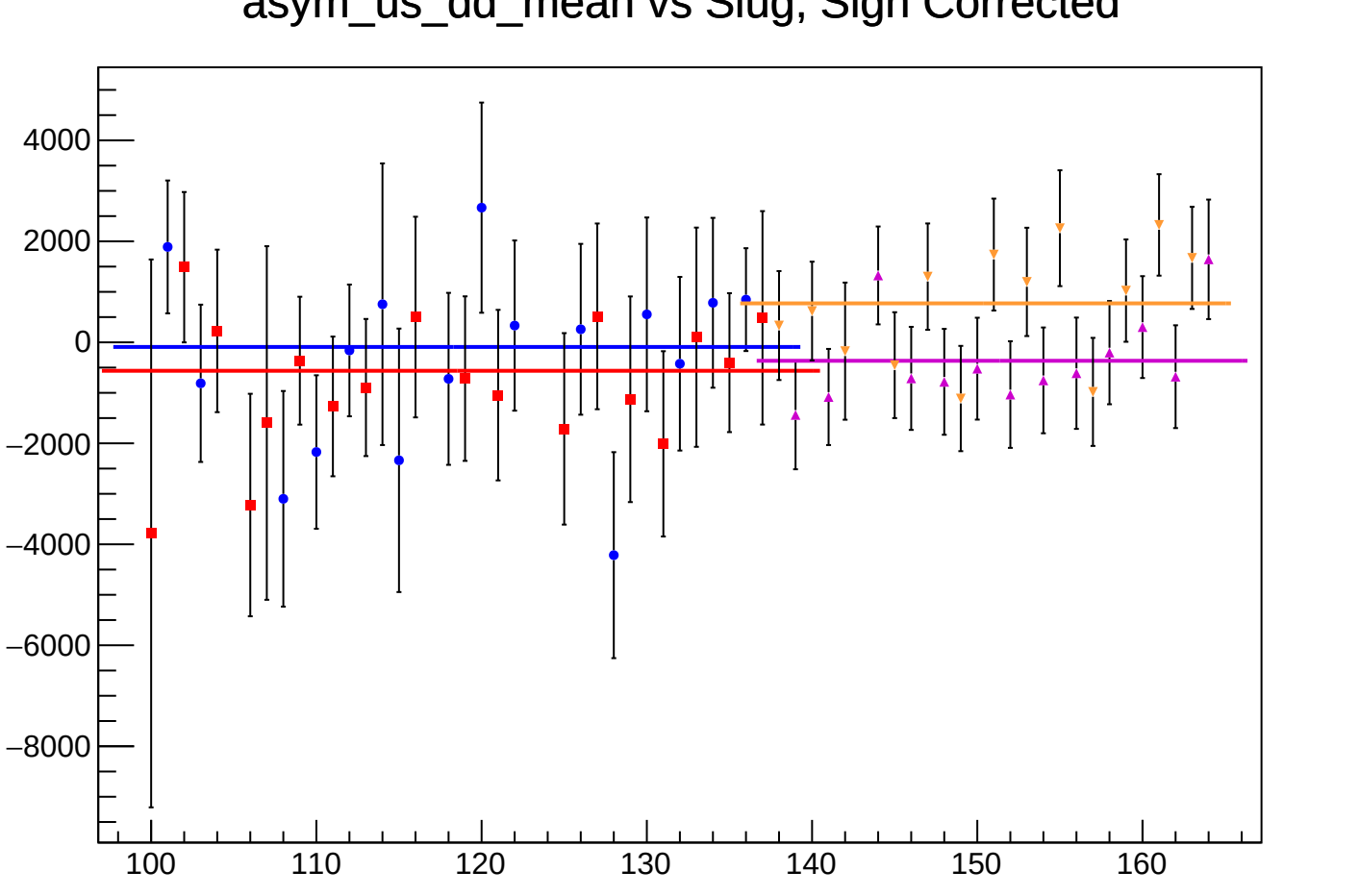
Left: 532.092+/-0.082 χ^2/NDF: 658534.6/25

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

In: 575.127+/-0.098 χ^2/NDF:1871082.4/28

Out: 574.743+/-0.100 χ^2/NDF:2118521.8/30

All: 574.939+/-0.070 χ^2/NDF: 3989611.7/59



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

Left Out: 771.974+/-295.701 χ^2/NDF:14.1/12

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

Left In: -365.405+/-287.103 χ^2/NDF:8.9/12

Left: 186.508+/-205.985 χ^2/NDF: 30.6/25

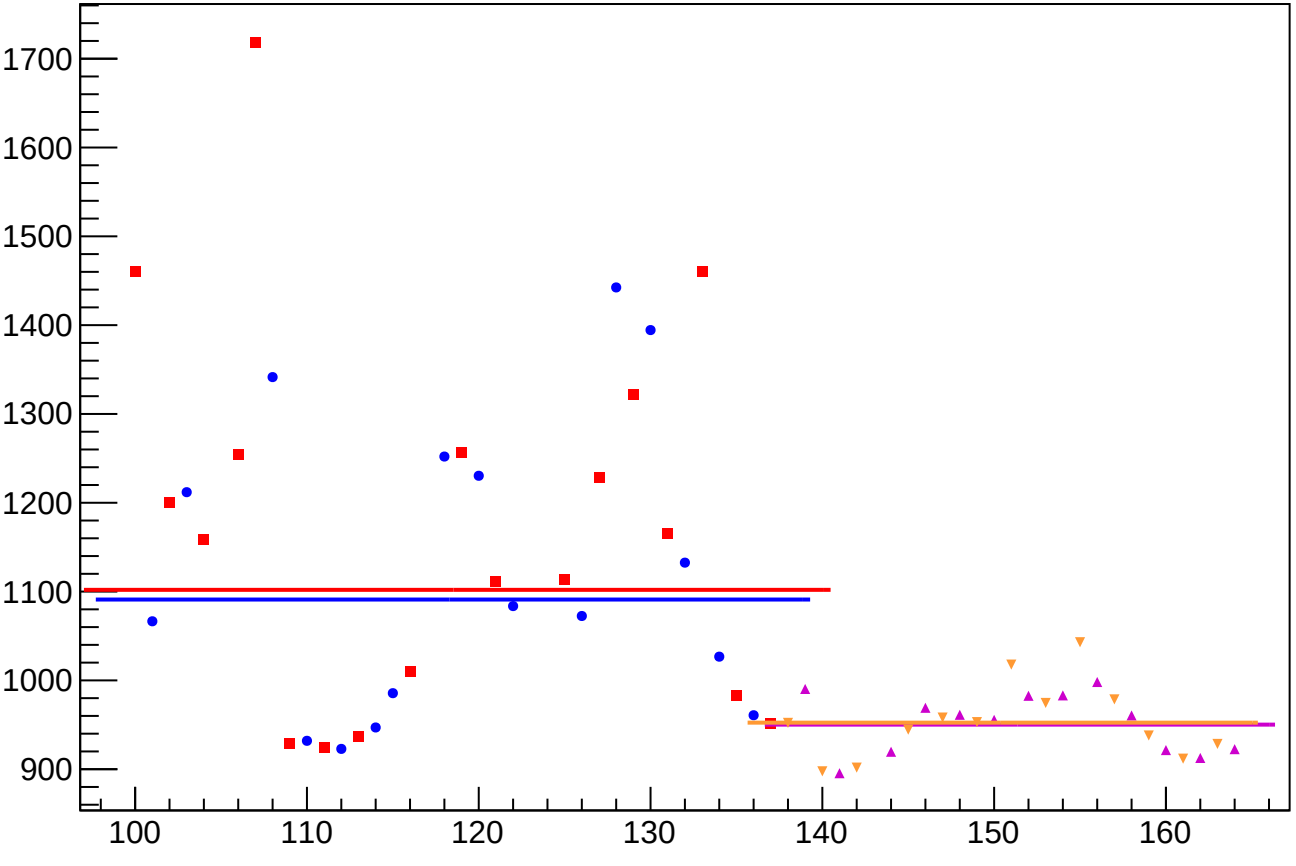
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -275.208+/-235.168 χ^2/NDF:23.8/28

Out: 317.367+/-240.144 χ^2/NDF:27.6/30

All: 14.876+/-168.021 χ^2/NDF: 54.4/59

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 952.422+/-0.209 χ^2/NDF:35483.2/12

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

Left In: 950.190+/-0.203 χ^2/NDF:25631.6/12

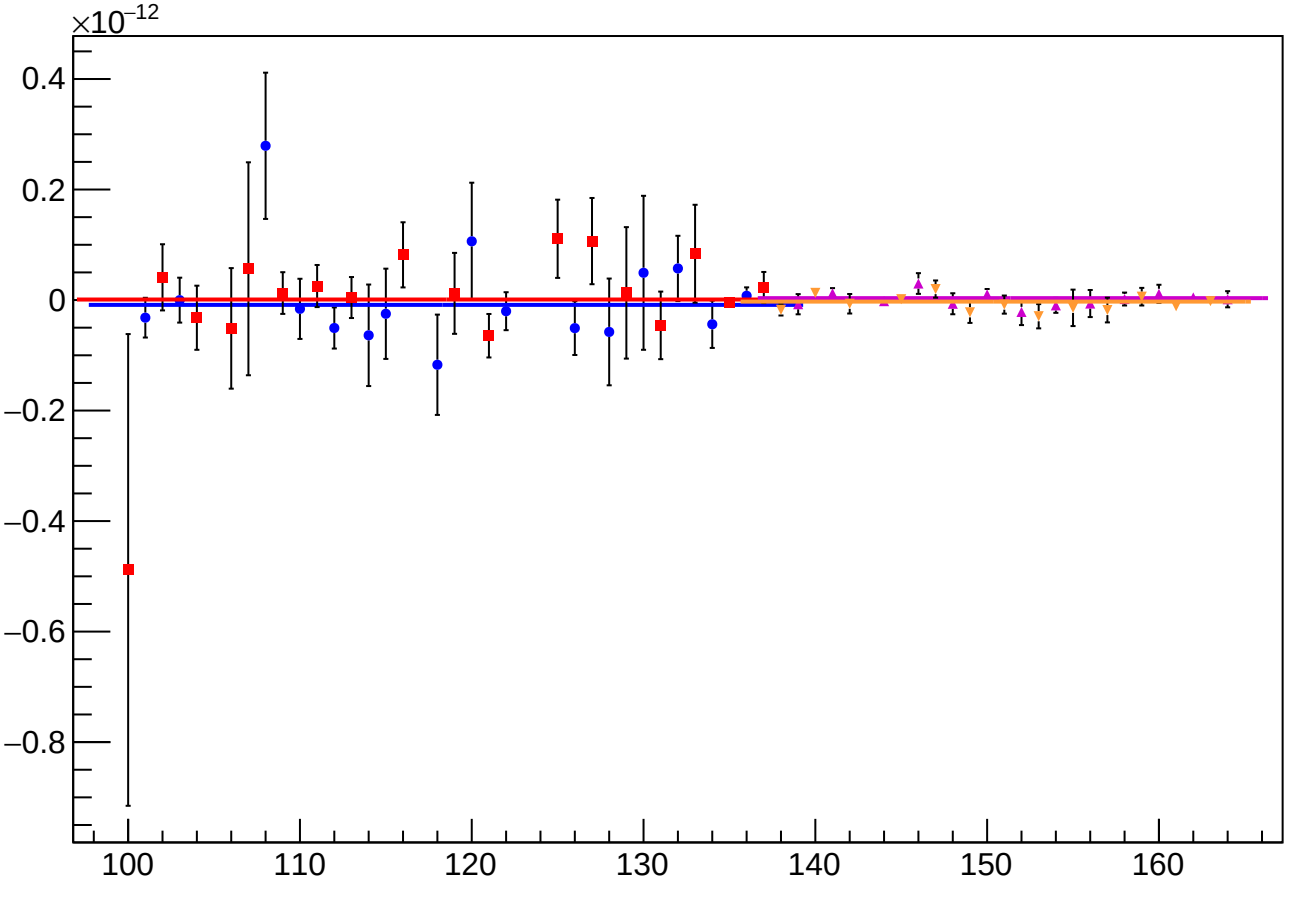
Left: 951.273+/-0.146 χ^2/NDF: 61173.5/25

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

In: 996.539+/-0.166 χ^2/NDF:461336.3/28

Out: 1003.332+/-0.170 χ^2/NDF:537712.8/30

All: 999.864+/-0.119 χ^2/NDF: 999865.9/59



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/12

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

Left In: 0.000+/-0.000 χ^2/NDF:6.9/12

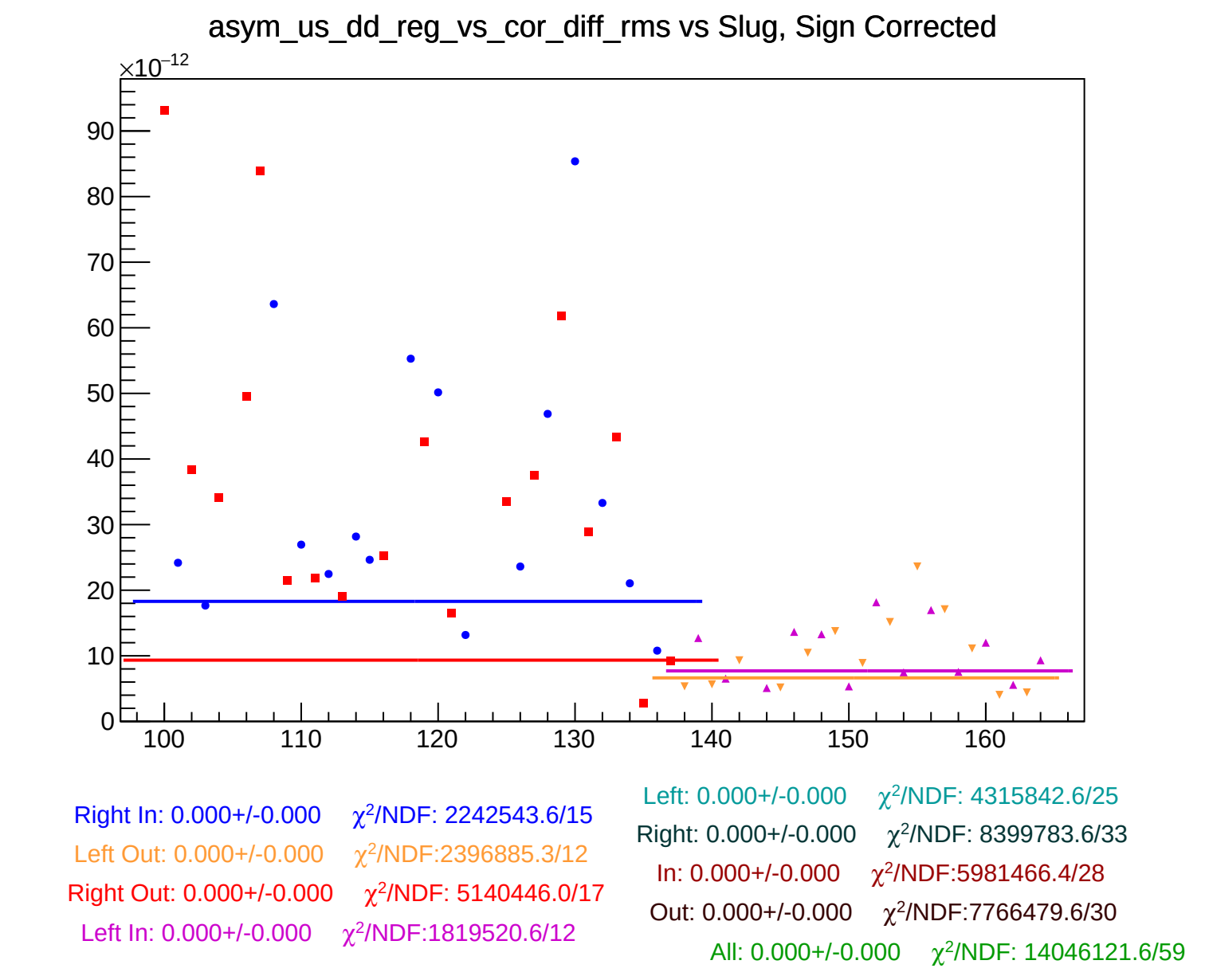
Left: 0.000+/-0.000 χ^2/NDF: 22.0/25

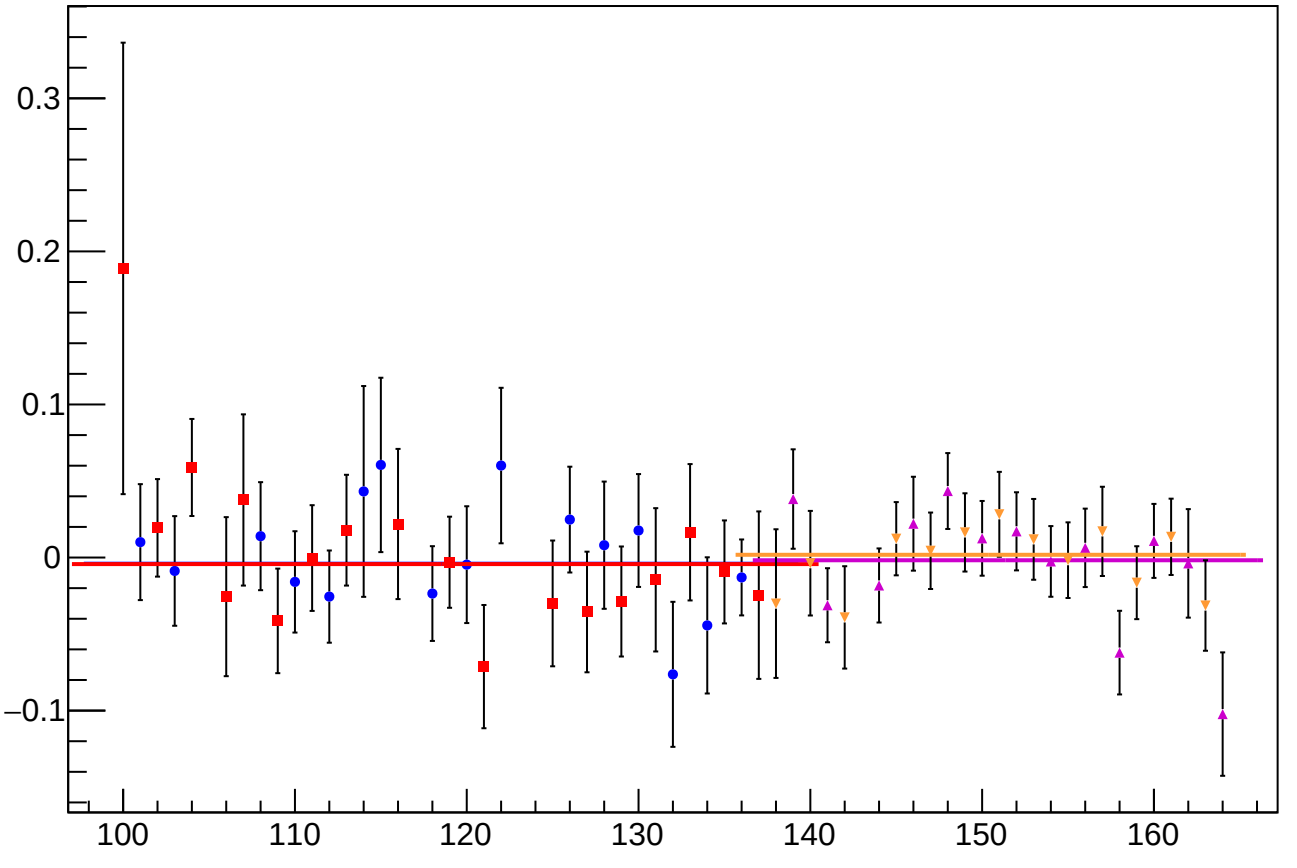
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:22.0/28

Out: -0.000+/-0.000 χ^2/NDF:28.0/30

All: -0.000+/-0.000 χ^2/NDF: 50.9/59


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
160
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2396885.3/12
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1819520.6/12
Left: 0.000+/-0.000 χ²/NDF: 4315842.6/25
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:5981466.4/28
Out: 0.000+/-0.000 χ²/NDF:7766479.6/30
All: 0.000+/-0.000 χ²/NDF: 14046121.6/59



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

Left Out: 0.002+/-0.008 χ^2/NDF:5.9/12

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

Left In: -0.002+/-0.007 χ^2/NDF:19.8/12

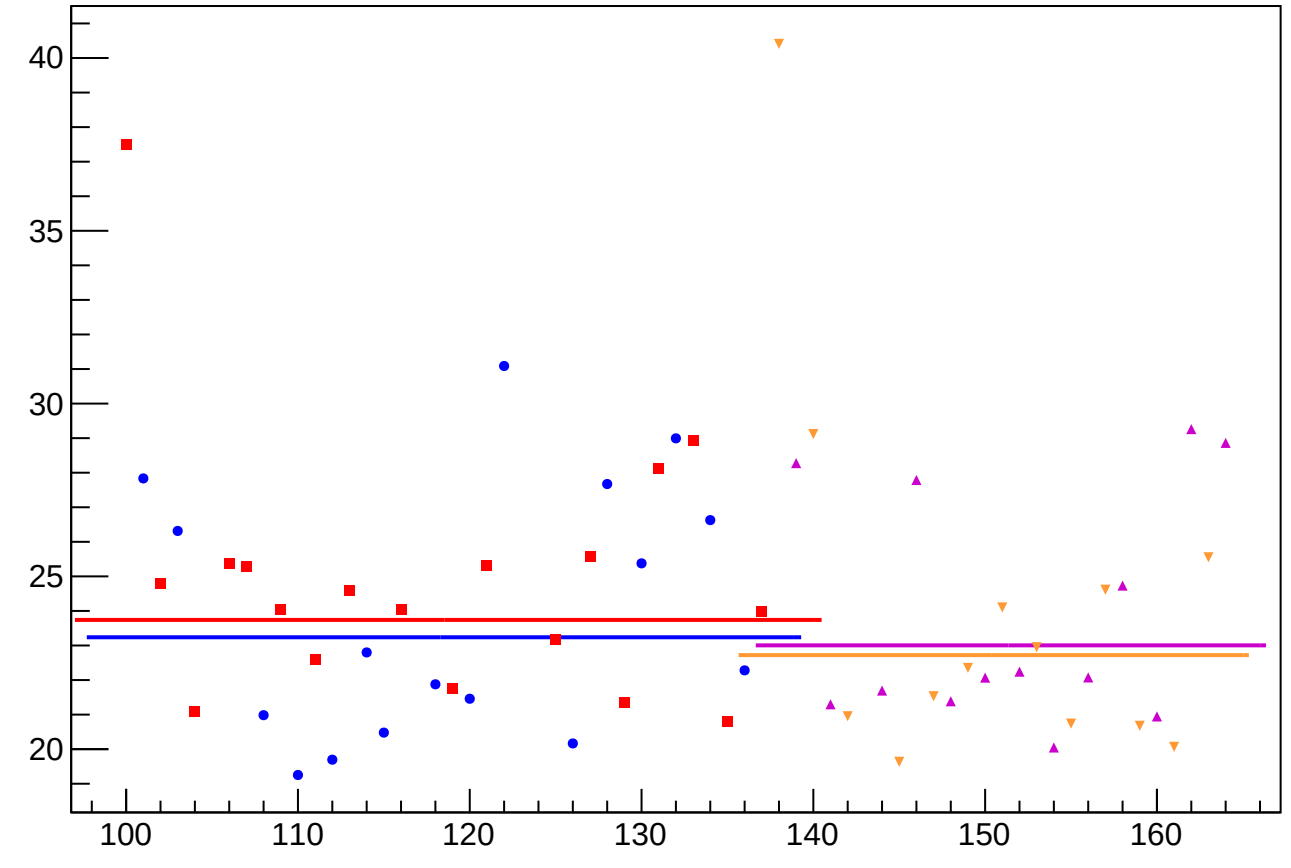
Left: -0.000+/-0.005 χ^2/NDF: 25.8/25

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

In: -0.003+/-0.006 χ^2/NDF:29.0/28

Out: -0.001+/-0.006 χ^2/NDF:19.7/30

All: -0.002+/-0.004 χ^2/NDF: 48.7/59



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

Left Out: 22.722+/-0.005 χ^2/NDF:461453.2/12

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

Left In: 23.004+/-0.005 χ^2/NDF:292864.4/12

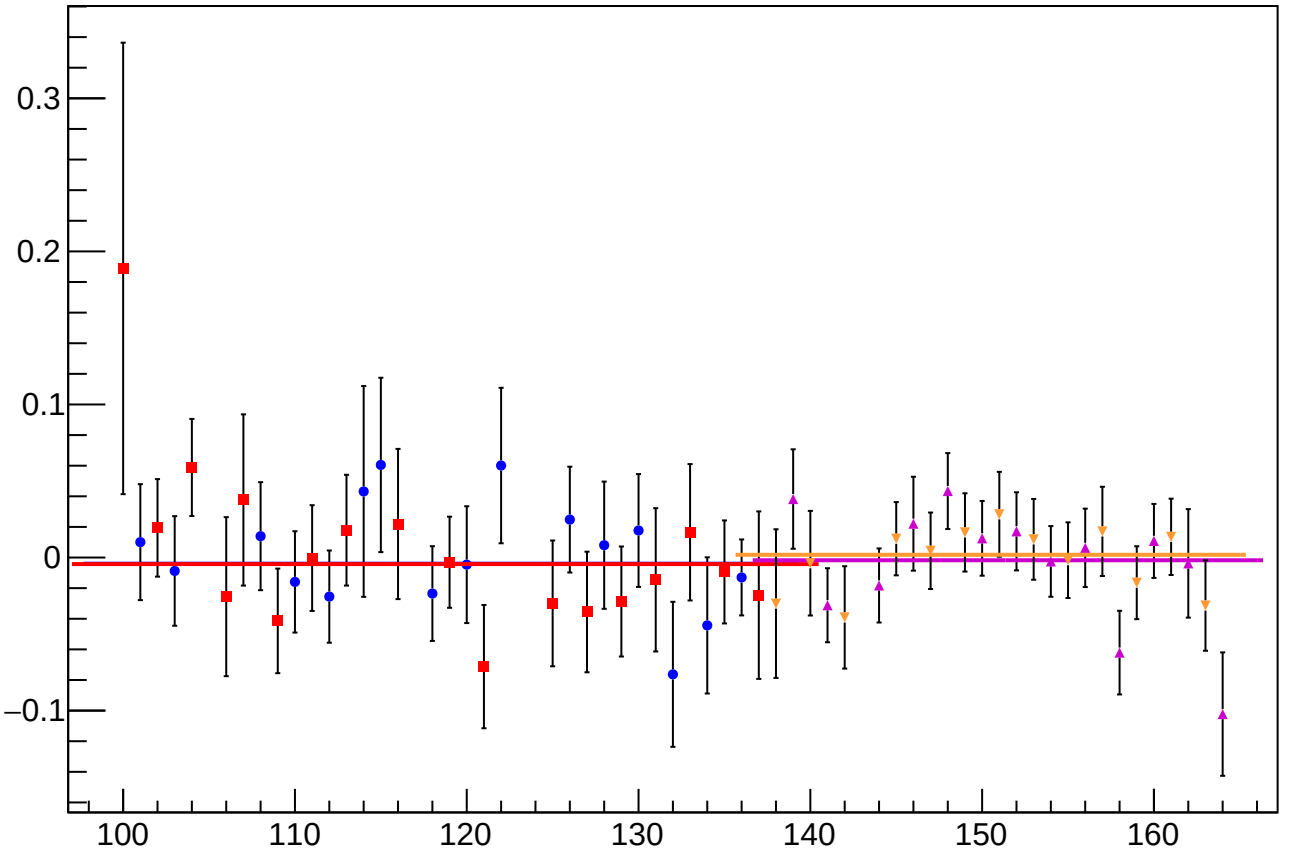
Left: 22.867+/-0.004 χ^2/NDF: 755715.7/25

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

In: 23.095+/-0.004 χ^2/NDF:552878.3/28

Out: 23.132+/-0.004 χ^2/NDF:601921.6/30

All: 23.113+/-0.003 χ^2/NDF: 1154838.2/59



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

Left Out: 0.002+/-0.008 χ^2/NDF:5.9/12

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

Left In: -0.002+/-0.007 χ^2/NDF:19.8/12

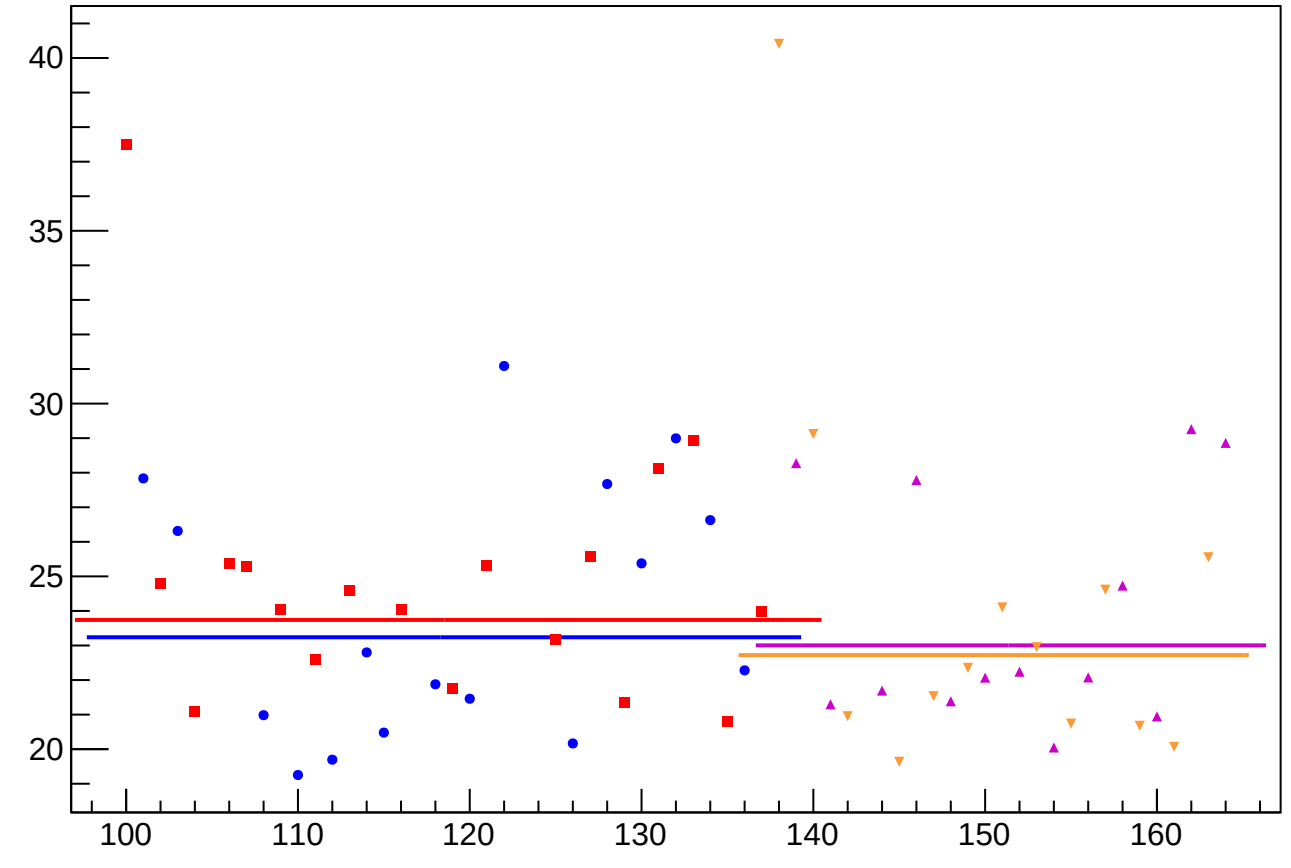
Left: -0.000+/-0.005 χ^2/NDF: 25.8/25

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

In: -0.003+/-0.006 χ^2/NDF:29.0/28

Out: -0.001+/-0.006 χ^2/NDF:19.7/30

All: -0.002+/-0.004 χ^2/NDF: 48.7/59



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

Left Out: 22.722+/-0.005 χ^2/NDF:461453.2/12

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

Left In: 23.004+/-0.005 χ^2/NDF:292864.4/12

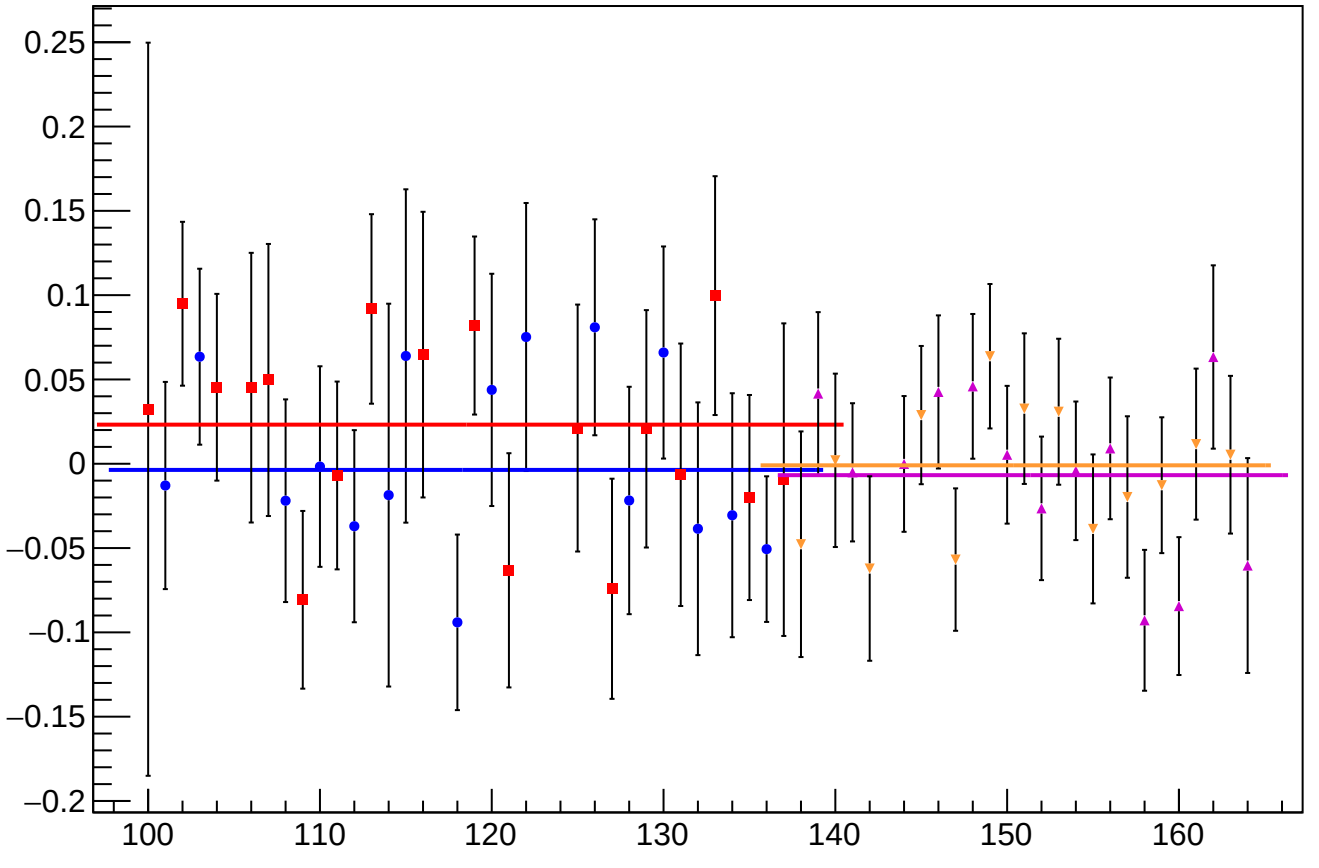
Left: 22.867+/-0.004 χ^2/NDF: 755715.7/25

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

In: 23.095+/-0.004 χ^2/NDF:552878.3/28

Out: 23.132+/-0.004 χ^2/NDF:601921.6/30

All: 23.113+/-0.003 χ^2/NDF: 1154838.2/59



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

Left Out: -0.001+/-0.013 χ^2/NDF:8.5/12

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

Left In: -0.007+/-0.012 χ^2/NDF:14.4/12

Left: -0.004+/-0.009 χ^2/NDF: 23.0/25

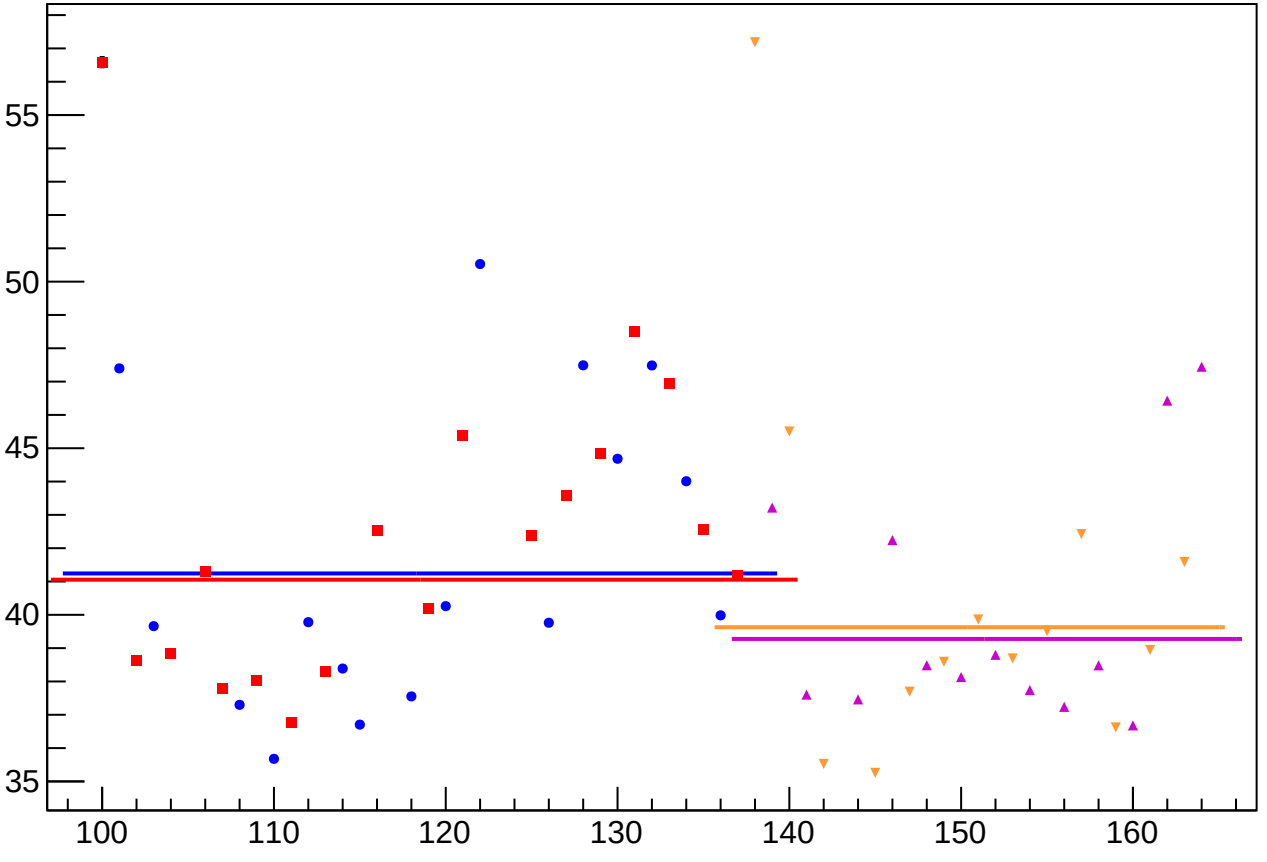
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.006+/-0.010 χ^2/NDF:26.1/28

Out: 0.009+/-0.010 χ^2/NDF:25.3/30

All: 0.001+/-0.007 χ^2/NDF: 52.5/59

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 39.628+/-0.009 χ^2/NDF:226099.3/12

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

Left In: 39.276+/-0.009 χ^2/NDF:115513.5/12

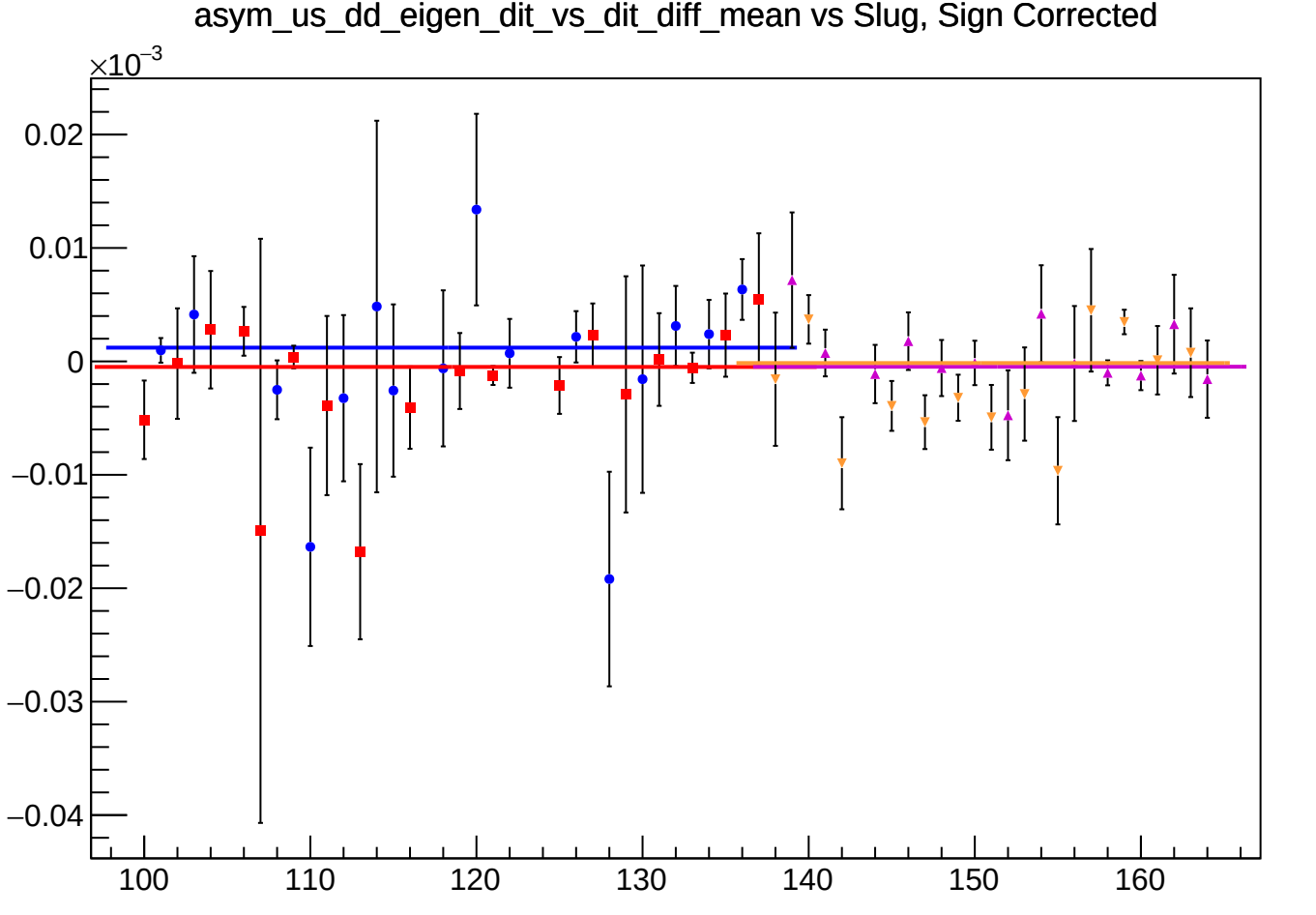
Left: 39.445+/-0.006 χ^2/NDF: 342409.9/25

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

In: 40.013+/-0.007 χ^2/NDF:270293.6/28

Out: 40.201+/-0.007 χ^2/NDF:332789.2/30

All: 40.105+/-0.005 χ^2/NDF: 603455.8/59



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

Left Out: -0.000+/-0.000 χ^2/NDF:37.4/12

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

Left In: -0.000+/-0.000 χ^2/NDF:6.7/12

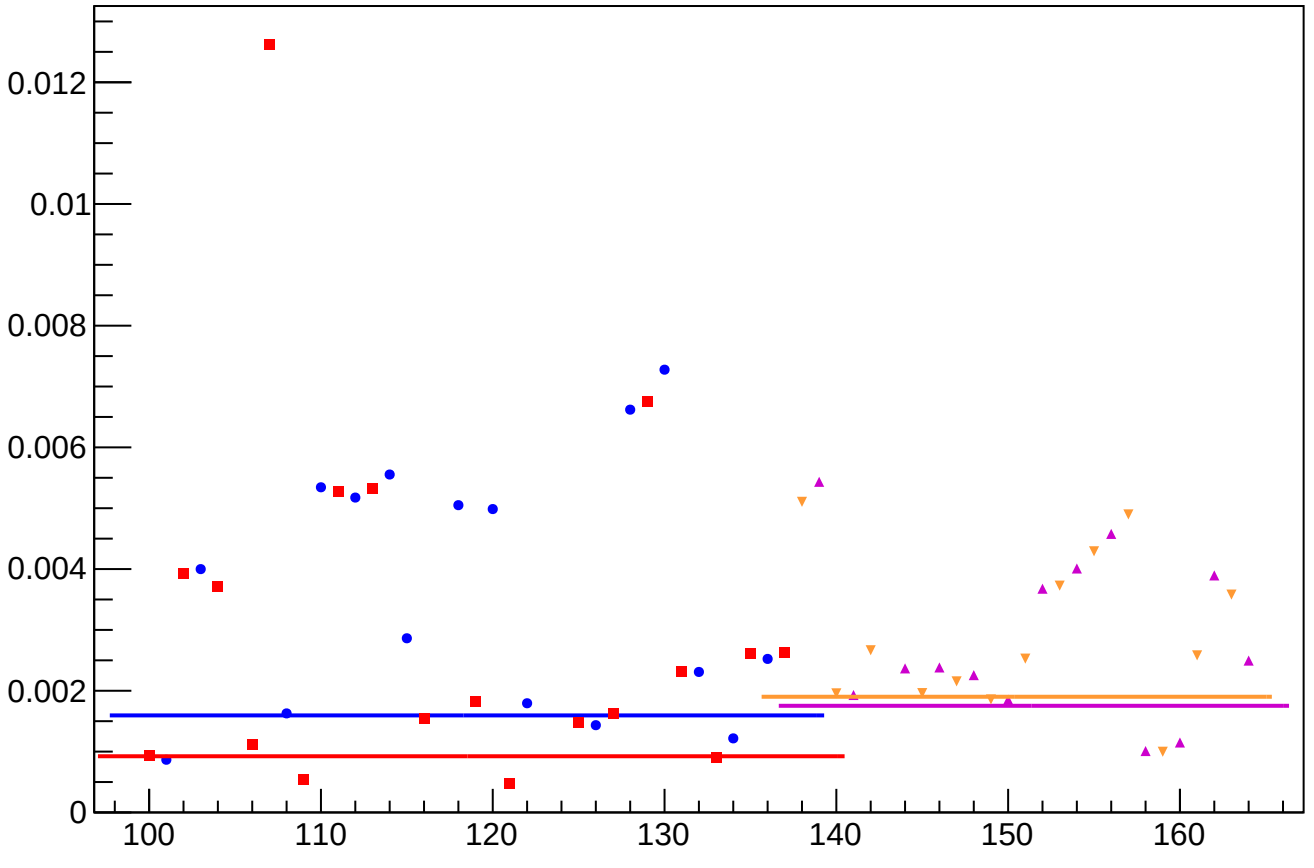
Left: -0.000+/-0.000 χ^2/NDF: 44.2/25

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:28.0/28

Out: -0.000+/-0.000 χ^2/NDF:52.6/30

All: -0.000+/-0.000 χ^2/NDF: 81.5/59



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

Left Out: 0.002+/-0.000 χ^2/NDF:4185148.5/12

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

Left In: 0.002+/-0.000 χ^2/NDF:4684348.0/12

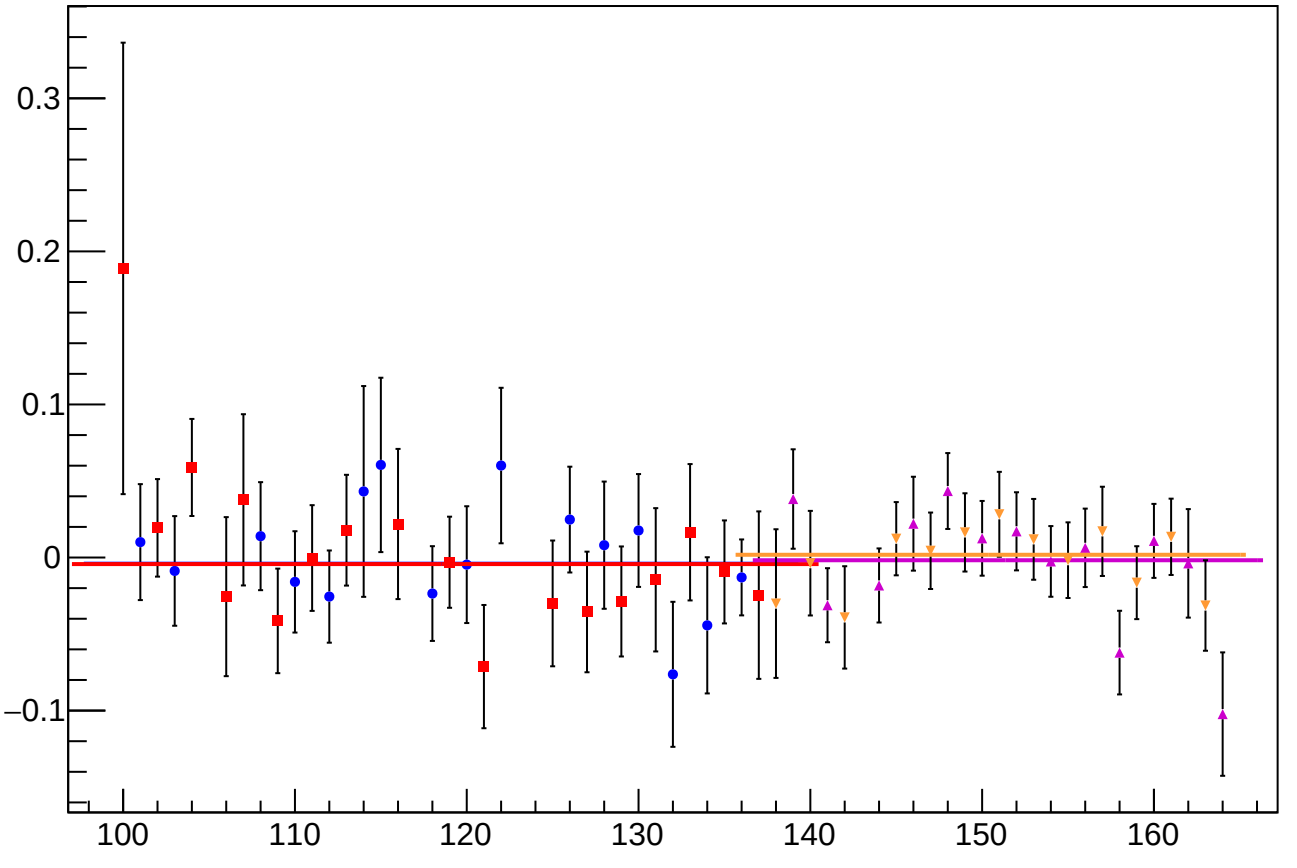
Left: 0.002+/-0.000 χ^2/NDF: 8923670.4/25

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

In: 0.002+/-0.000 χ^2/NDF:9500009.8/28

Out: 0.001+/-0.000 χ^2/NDF:12715755.3/30

All: 0.001+/-0.000 χ^2/NDF: 23137363.1/59



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

Left Out: 0.002+/-0.008 χ^2/NDF:5.9/12

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

Left In: -0.002+/-0.007 χ^2/NDF:19.8/12

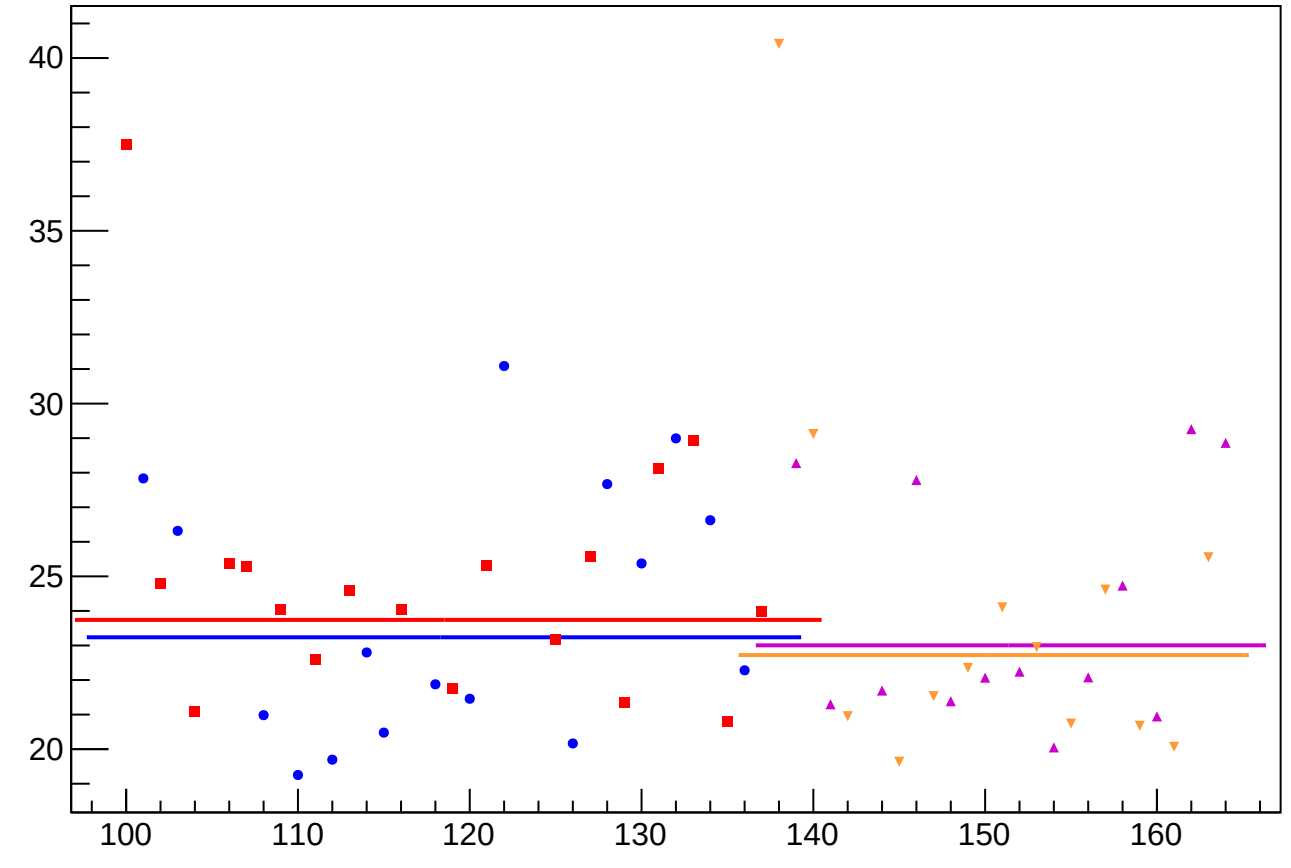
Left: -0.000+/-0.005 χ^2/NDF: 25.8/25

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

In: -0.003+/-0.006 χ^2/NDF:29.0/28

Out: -0.001+/-0.006 χ^2/NDF:19.7/30

All: -0.002+/-0.004 χ^2/NDF: 48.7/59



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

Left Out: 22.722+/-0.005 χ^2/NDF:461479.2/12

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

Left In: 23.004+/-0.005 χ^2/NDF:292835.3/12

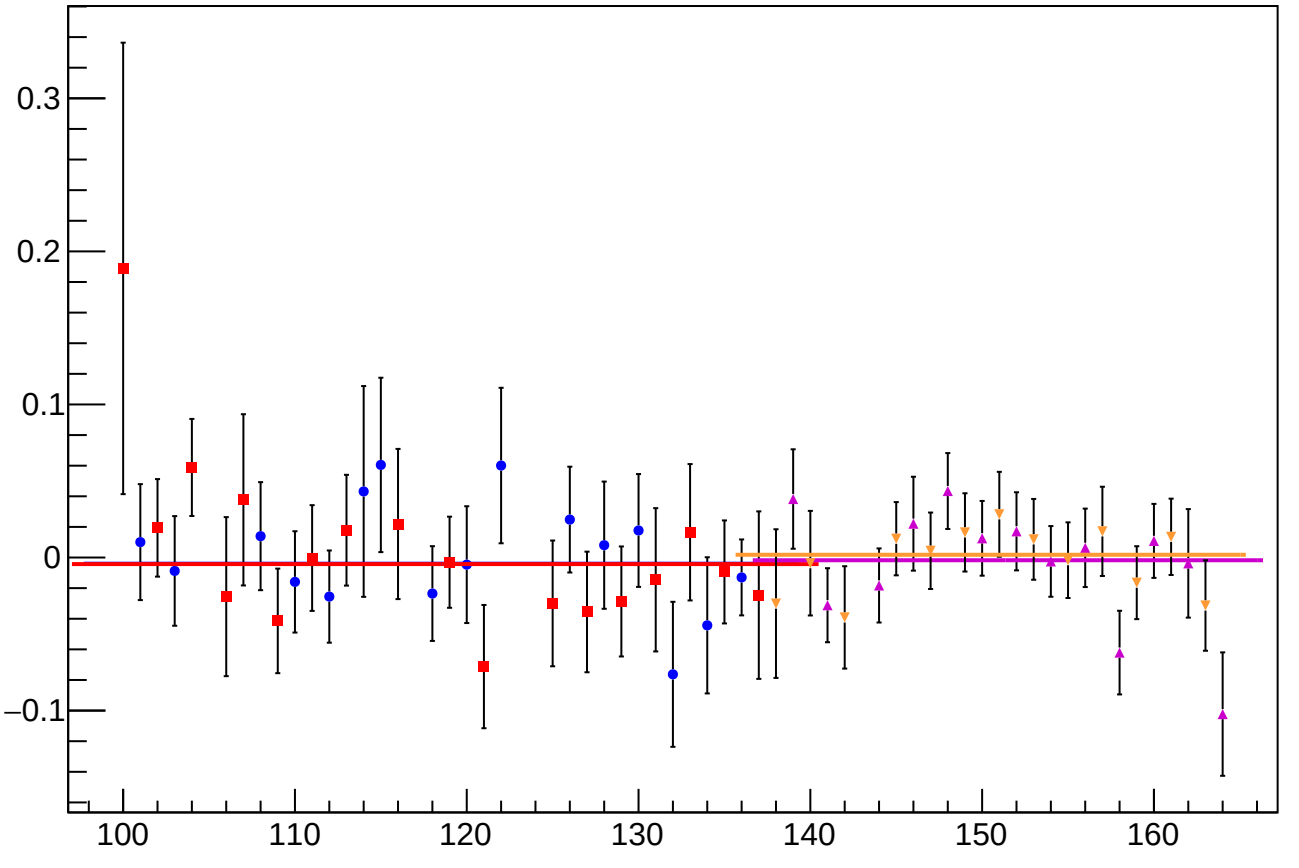
Left: 22.867+/-0.004 χ^2/NDF: 755715.2/25

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

In: 23.095+/-0.004 χ^2/NDF:552831.3/28

Out: 23.132+/-0.004 χ^2/NDF:601901.1/30

All: 23.113+/-0.003 χ^2/NDF: 1154771.1/59



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

Left Out: 0.002+/-0.008 χ^2/NDF:5.9/12

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

Left In: -0.002+/-0.007 χ^2/NDF:19.8/12

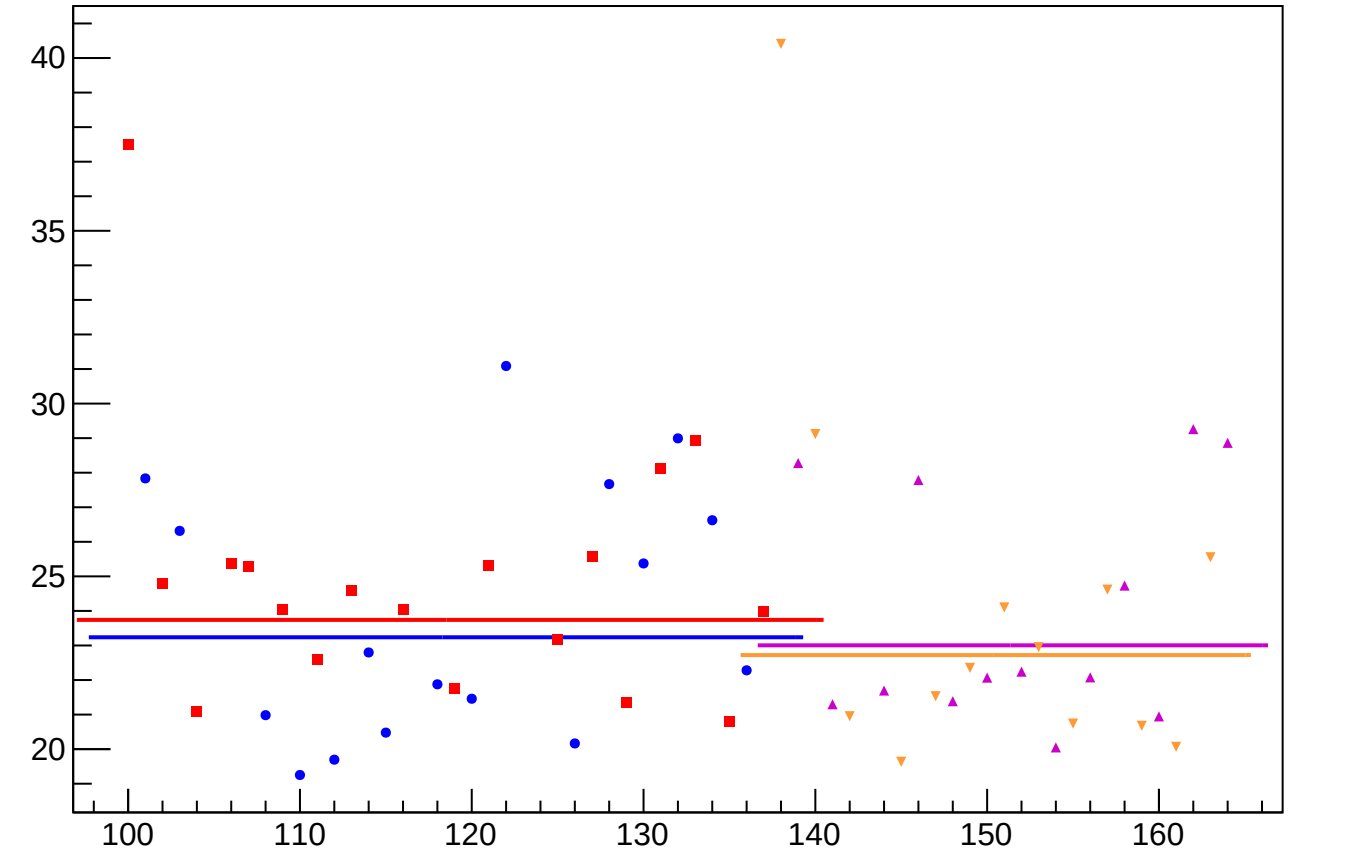
Left: -0.000+/-0.005 χ^2/NDF: 25.8/25

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

In: -0.003+/-0.006 χ^2/NDF:29.0/28

Out: -0.001+/-0.006 χ^2/NDF:19.7/30

All: -0.002+/-0.004 χ^2/NDF: 48.7/59



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

Left Out: 22.722+/-0.005 χ^2/NDF:461479.2/12

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

Left In: 23.004+/-0.005 χ^2/NDF:292835.3/12

Left: 22.867+/-0.004 χ^2/NDF: 755715.2/25

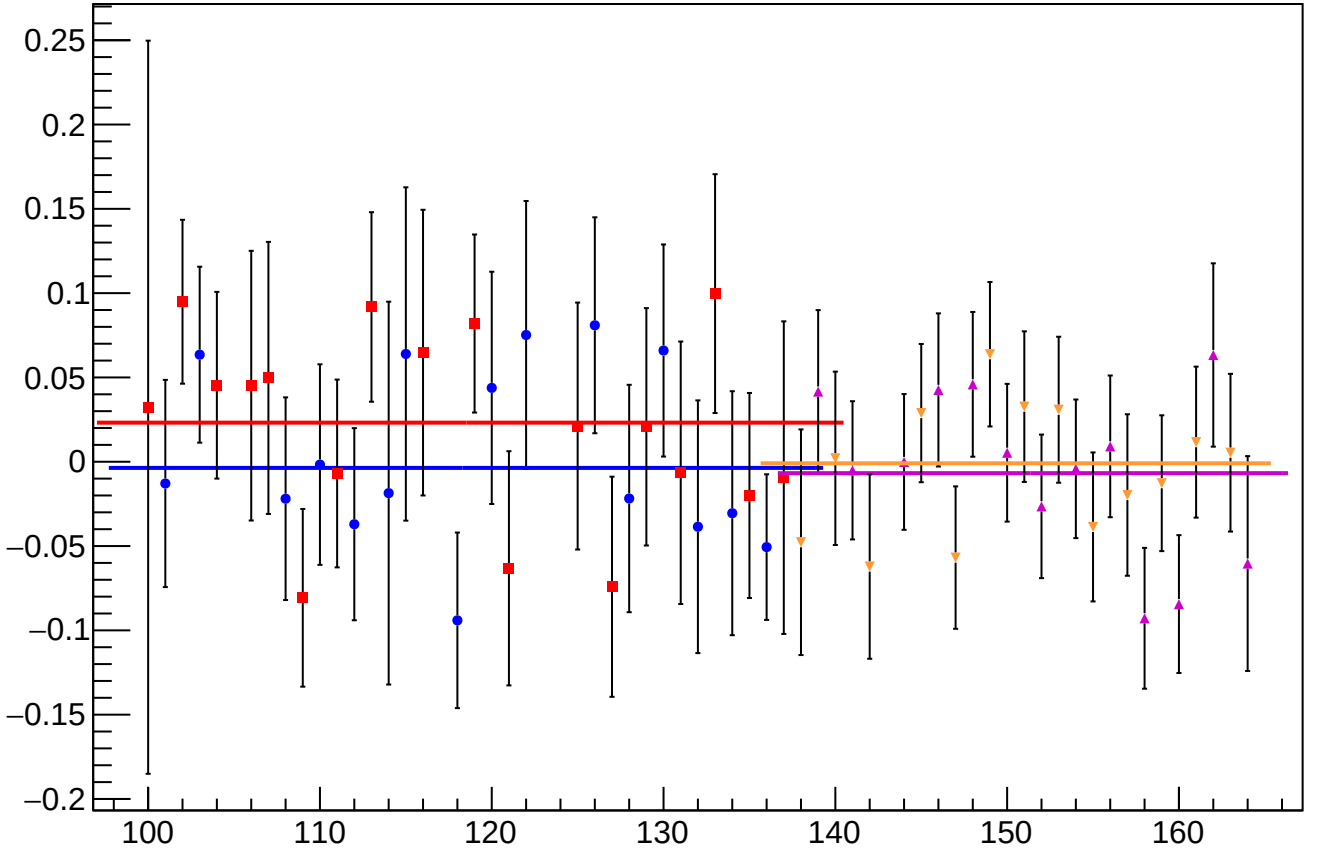
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.095+/-0.004 χ^2/NDF:552831.3/28

Out: 23.132+/-0.004 χ^2/NDF:601901.1/30

All: 23.113+/-0.003 χ^2/NDF: 1154771.1/59

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.001+/-0.013 χ^2/NDF:8.5/12

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

Left In: -0.007+/-0.012 χ^2/NDF:14.4/12

Left: -0.004+/-0.009 χ^2/NDF: 23.0/25

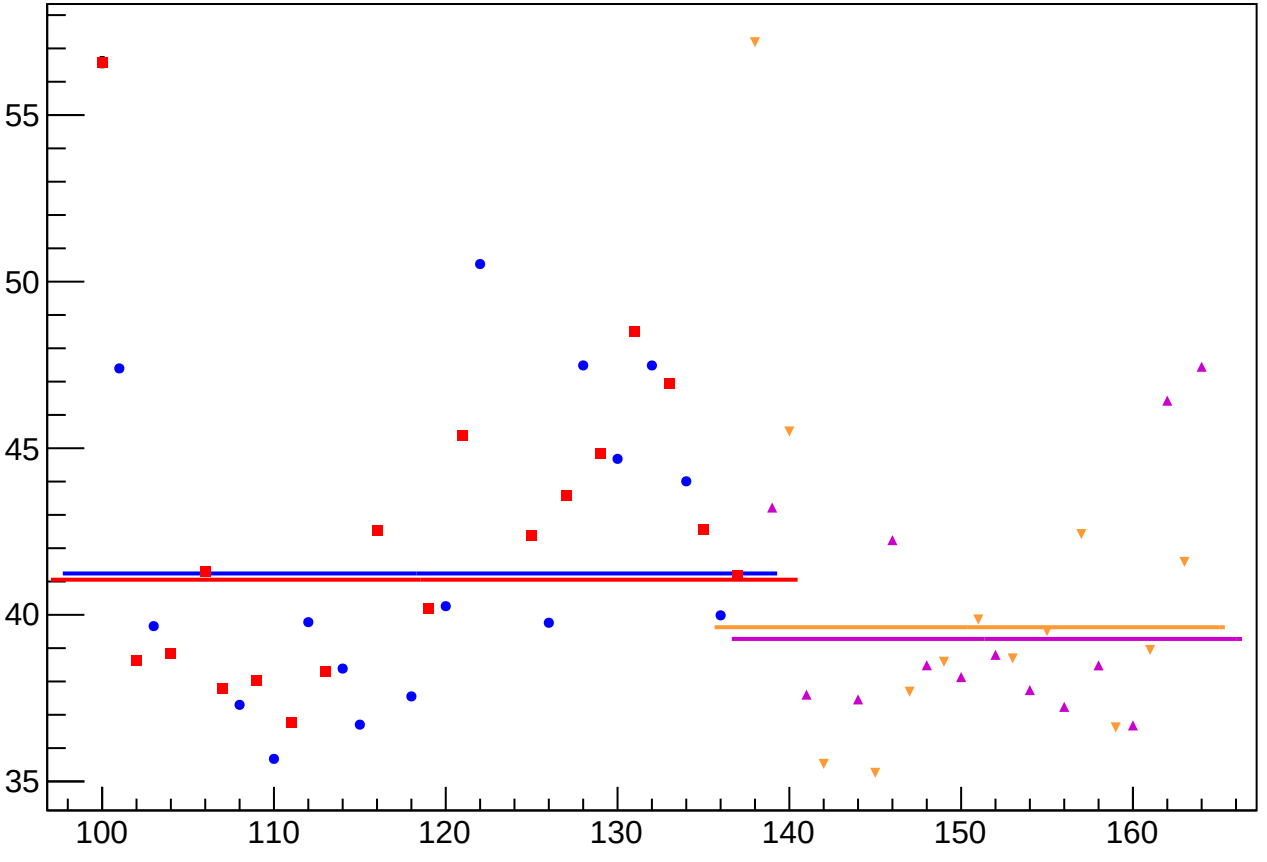
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.006+/-0.010 χ^2/NDF:26.1/28

Out: 0.009+/-0.010 χ^2/NDF:25.3/30

All: 0.001+/-0.007 χ^2/NDF: 52.5/59

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: 39.628+/-0.009 χ^2/NDF:226104.0/12

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

Left In: 39.277+/-0.009 χ^2/NDF:115521.4/12

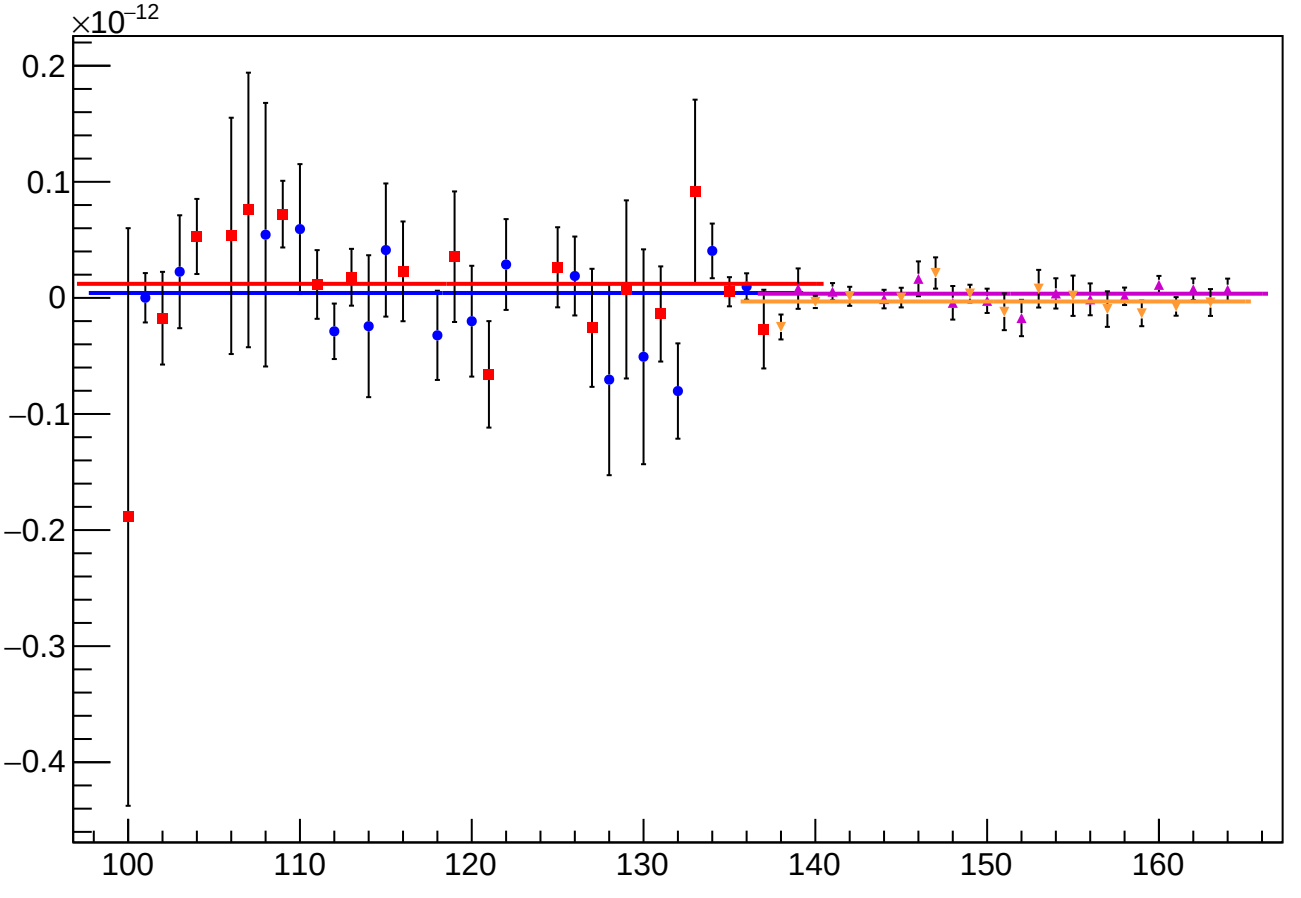
Left: 39.445+/-0.006 χ^2/NDF: 342422.2/25

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

In: 40.013+/-0.007 χ^2/NDF:270271.7/28

Out: 40.201+/-0.007 χ^2/NDF:332781.2/30

All: 40.105+/-0.005 χ^2/NDF: 603426.1/59



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/12

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

Left In: 0.000+/-0.000 χ^2/NDF:5.1/12

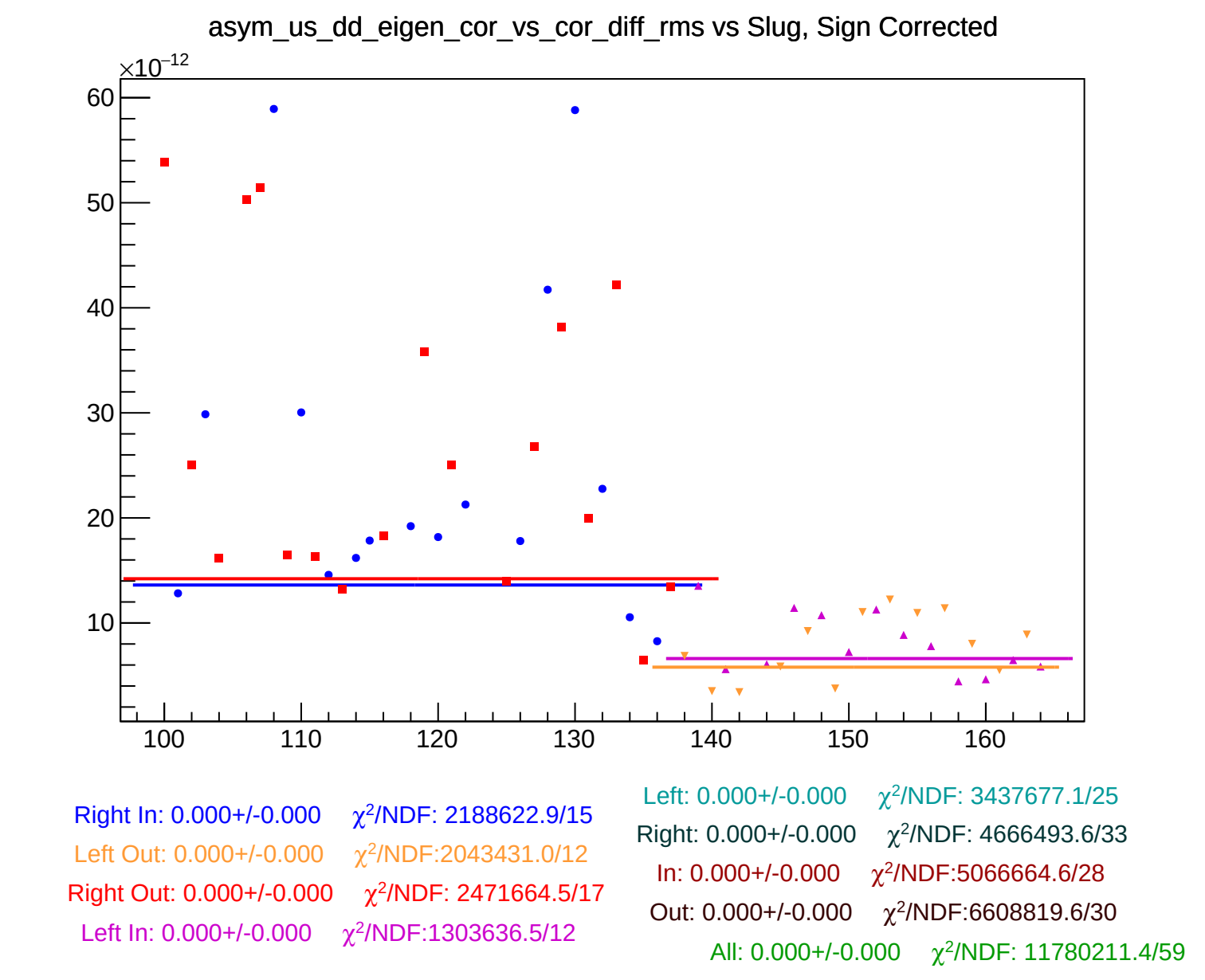
Left: 0.000+/-0.000 χ^2/NDF: 19.1/25

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

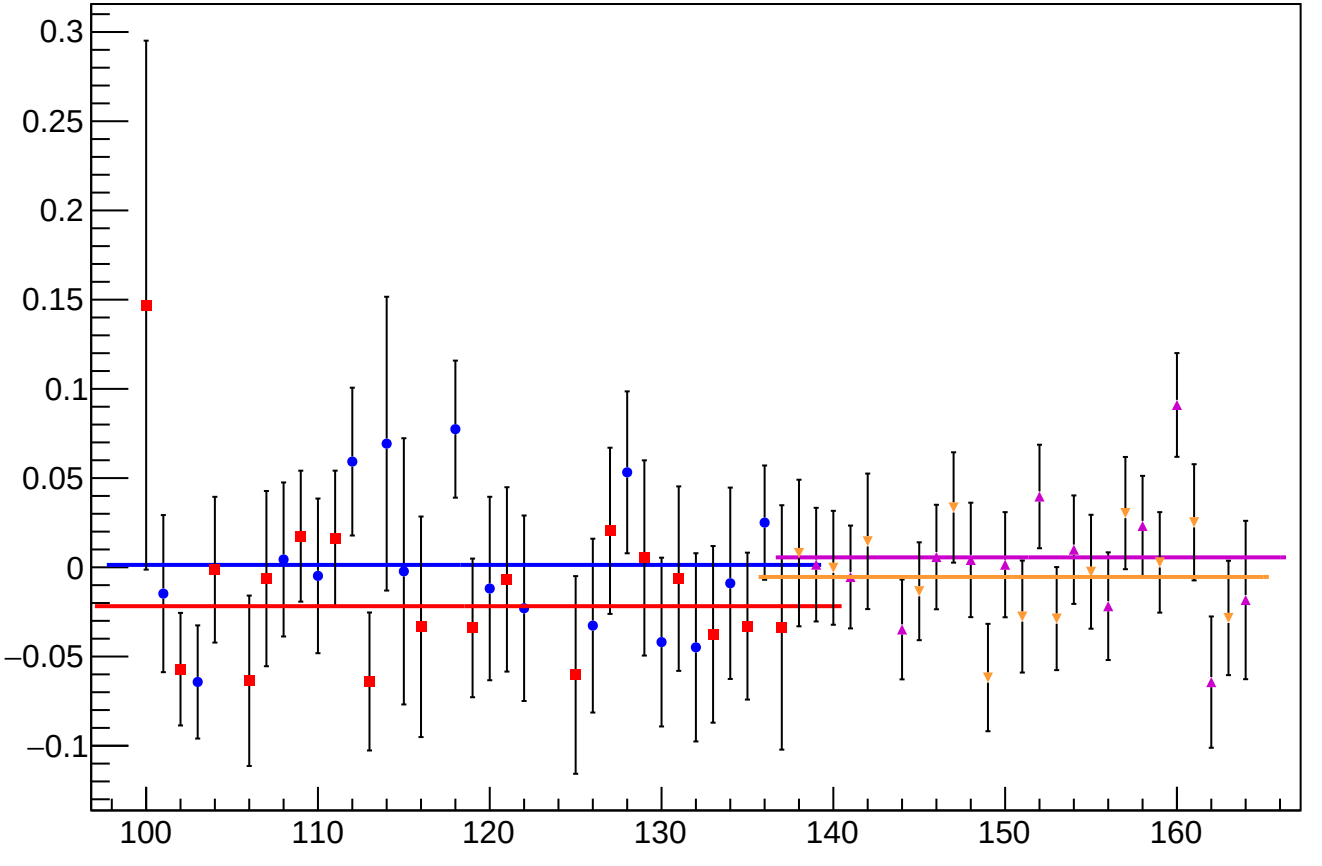
In: 0.000+/-0.000 χ^2/NDF:18.8/28

Out: -0.000+/-0.000 χ^2/NDF:28.9/30

All: 0.000+/-0.000 χ^2/NDF: 49.8/59


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2043431.0/12
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1303636.5/12
Left: 0.000+/-0.000 χ²/NDF: 3437677.1/25
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:5066664.6/28
Out: 0.000+/-0.000 χ²/NDF:6608819.6/30
All: 0.000+/-0.000 χ²/NDF: 11780211.4/59

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: -0.005+/-0.009 χ^2/NDF:9.5/12

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

Left In: 0.006+/-0.009 χ^2/NDF:17.4/12

Left: 0.000+/-0.006 χ^2/NDF: 27.8/25

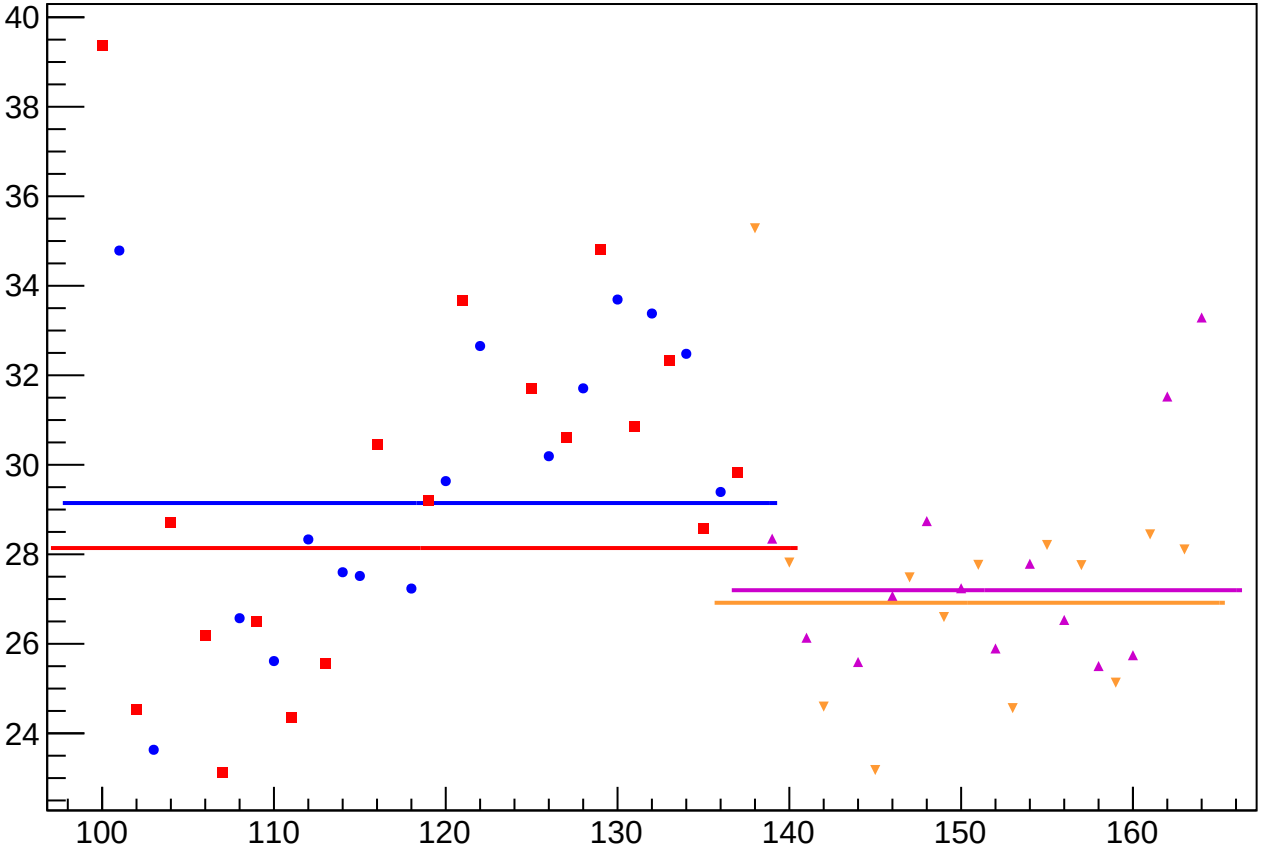
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.004+/-0.007 χ^2/NDF:32.8/28

Out: -0.012+/-0.007 χ^2/NDF:20.0/30

All: -0.004+/-0.005 χ^2/NDF: 55.5/59

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: 26.917+/-0.006 χ^2/NDF:164780.7/12

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

Left In: 27.198+/-0.006 χ^2/NDF:100001.1/12

Left: 27.061+/-0.004 χ^2/NDF: 265841.8/25

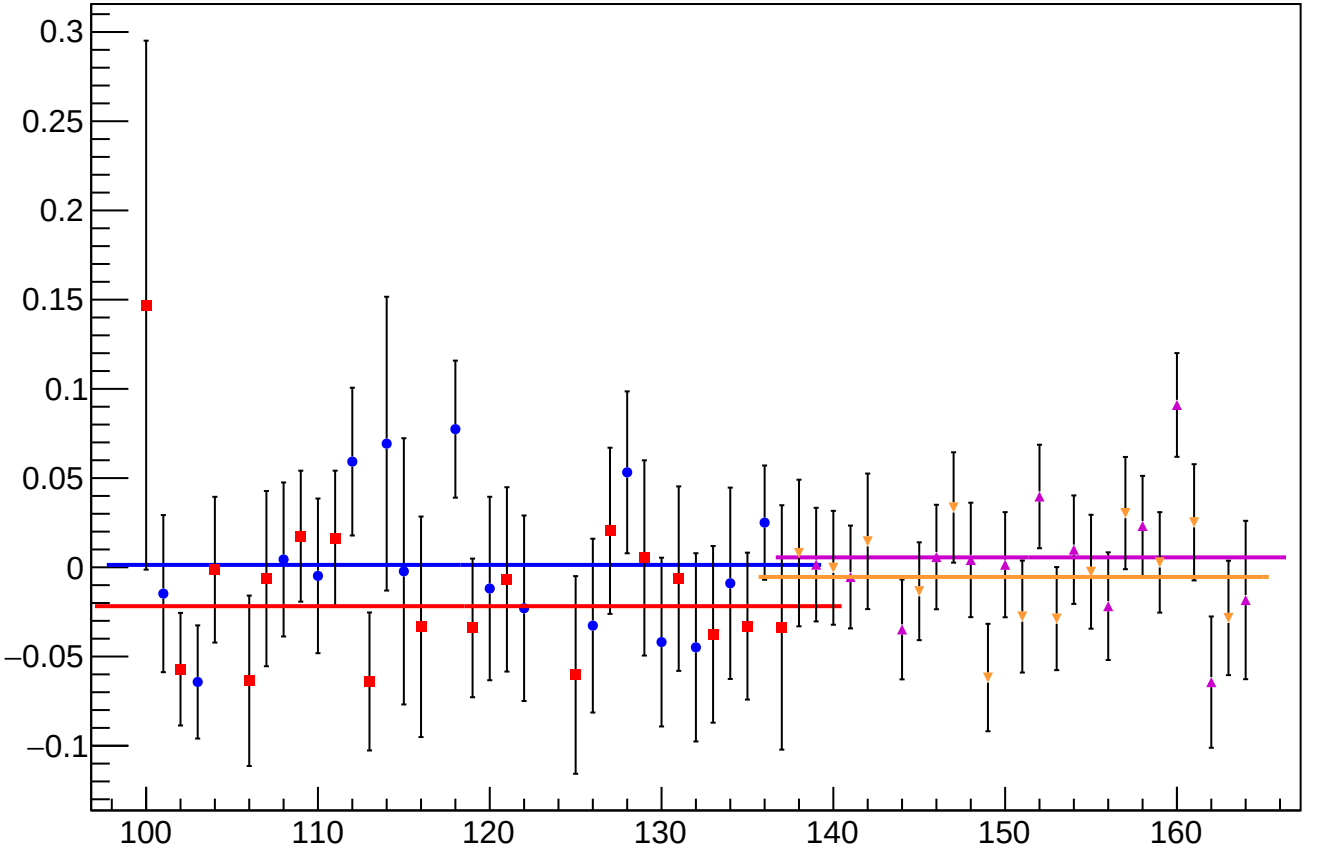
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 27.909+/-0.005 χ^2/NDF:315198.0/28

Out: 27.401+/-0.005 χ^2/NDF:367428.9/30

All: 27.656+/-0.003 χ^2/NDF: 688238.1/59

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.005+/-0.009 χ^2/NDF:9.5/12

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

Left In: 0.006+/-0.009 χ^2/NDF:17.4/12

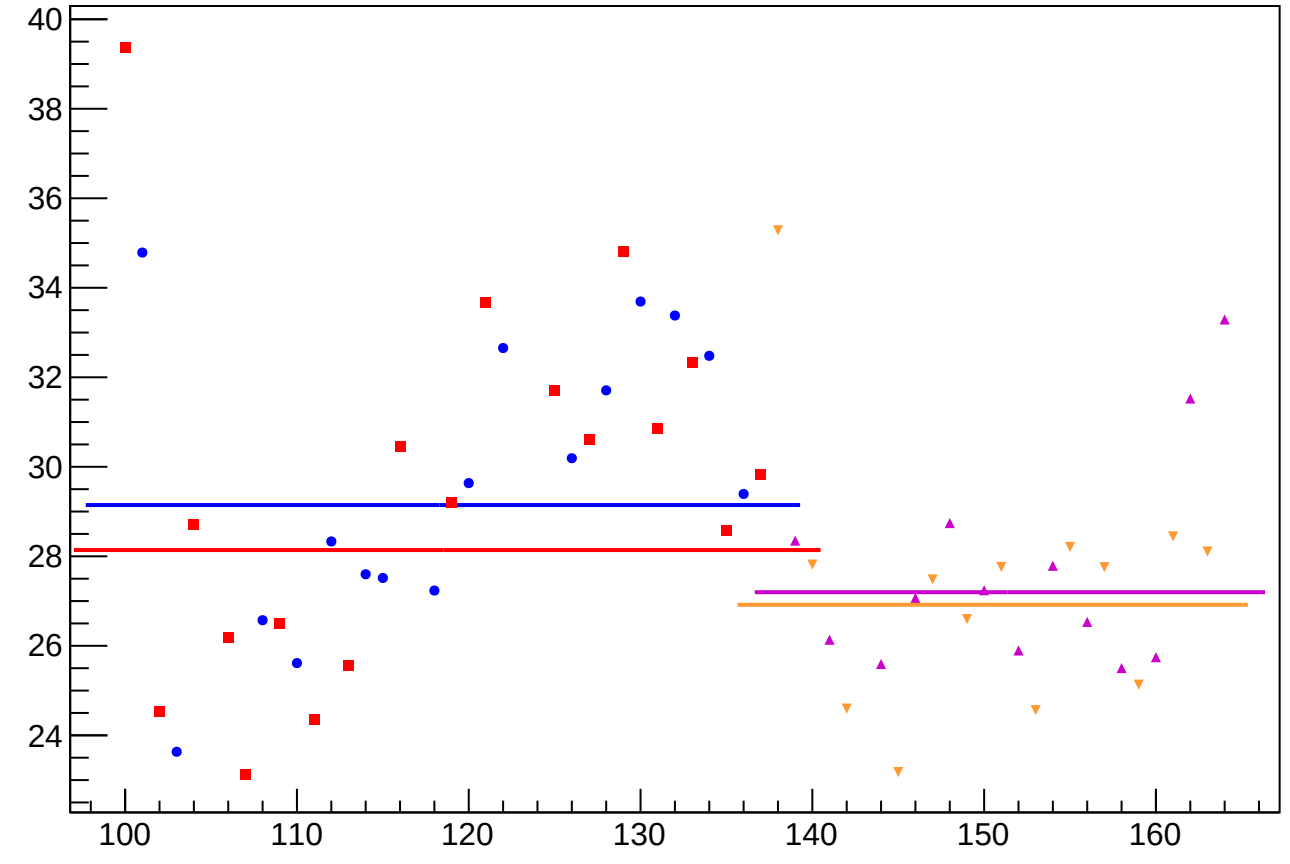
Left: 0.000+/-0.006 χ^2/NDF: 27.8/25

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

In: 0.004+/-0.007 χ^2/NDF:32.8/28

Out: -0.012+/-0.007 χ^2/NDF:20.0/30

All: -0.004+/-0.005 χ^2/NDF: 55.5/59



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

Left Out: 26.917+/-0.006 χ^2/NDF:164780.7/12

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

Left In: 27.198+/-0.006 χ^2/NDF:100001.1/12

Left: 27.061+/-0.004 χ^2/NDF: 265841.8/25

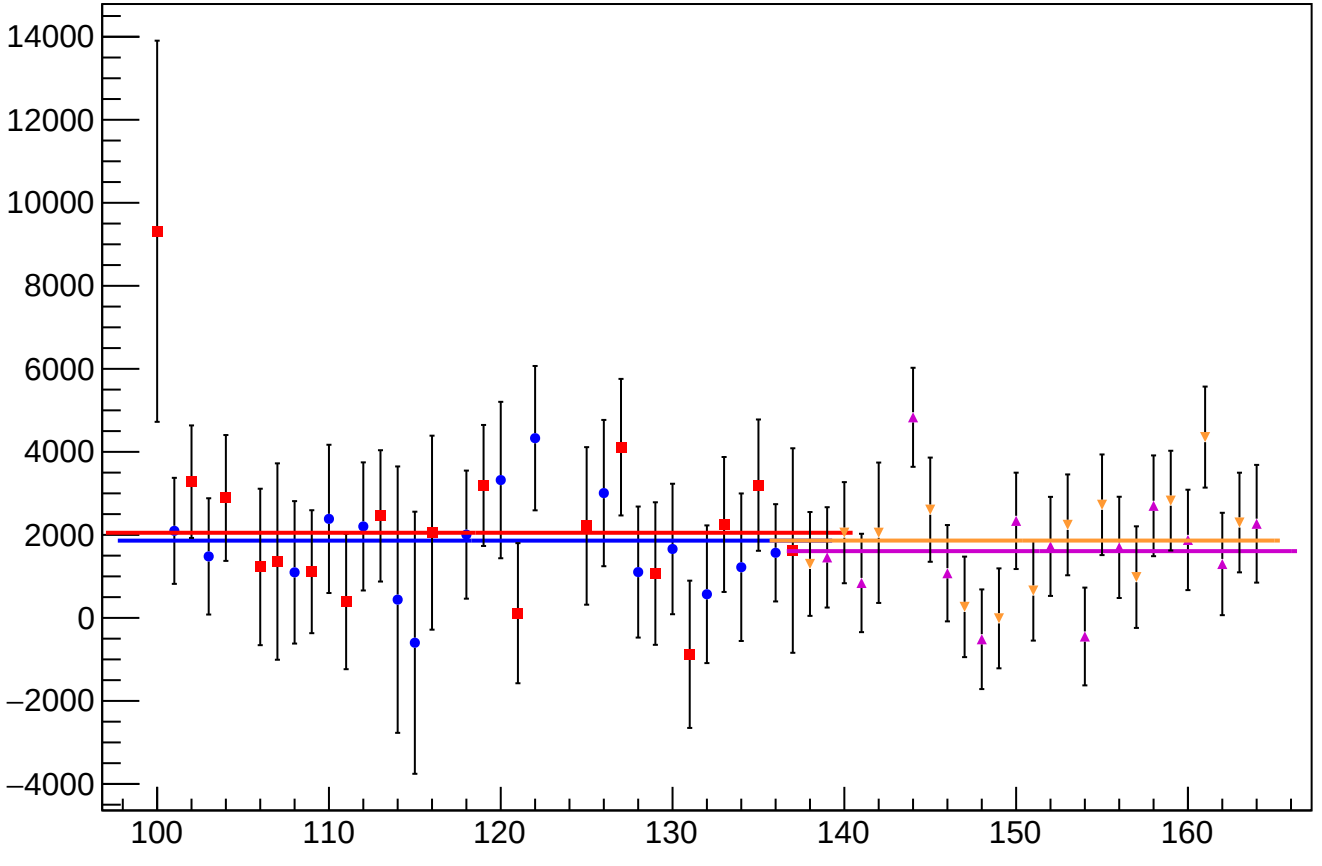
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 27.909+/-0.005 χ^2/NDF:315198.0/28

Out: 27.401+/-0.005 χ^2/NDF:367428.9/30

All: 27.656+/-0.003 χ^2/NDF: 688238.1/59

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1863.090+/-344.107 χ^2/NDF:11.8/12

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

Left In: 1608.419+/-335.372 χ^2/NDF:15.7/12

Left: 1732.481+/-240.172 χ^2/NDF: 27.8/25

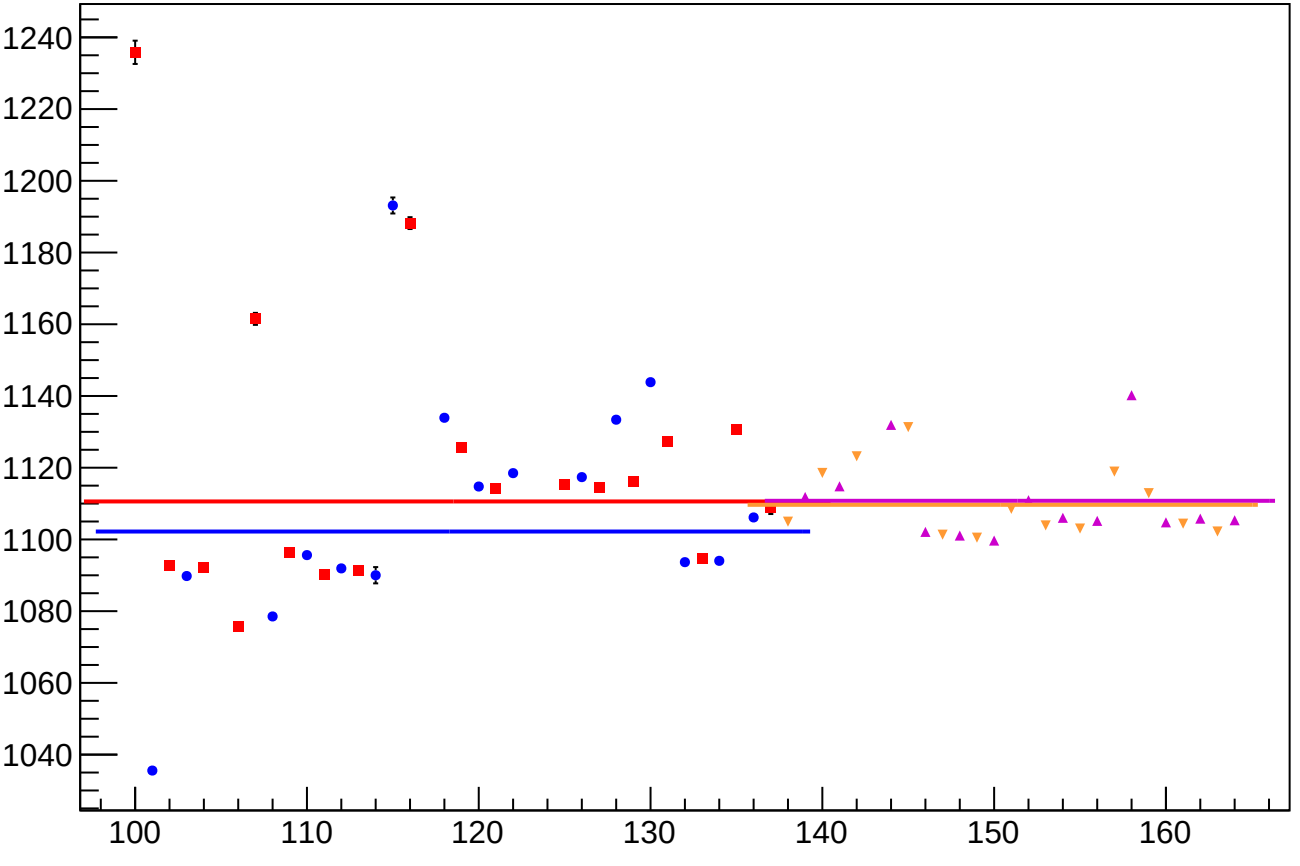
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1710.024+/-259.468 χ^2/NDF:21.2/28

Out: 1940.851+/-263.377 χ^2/NDF:24.5/30

All: 1823.712+/-184.838 χ^2/NDF: 46.1/59

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.655+/-0.243 χ^2/NDF:1418.2/12

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

Left In: 1110.770+/-0.237 χ^2/NDF:2442.0/12

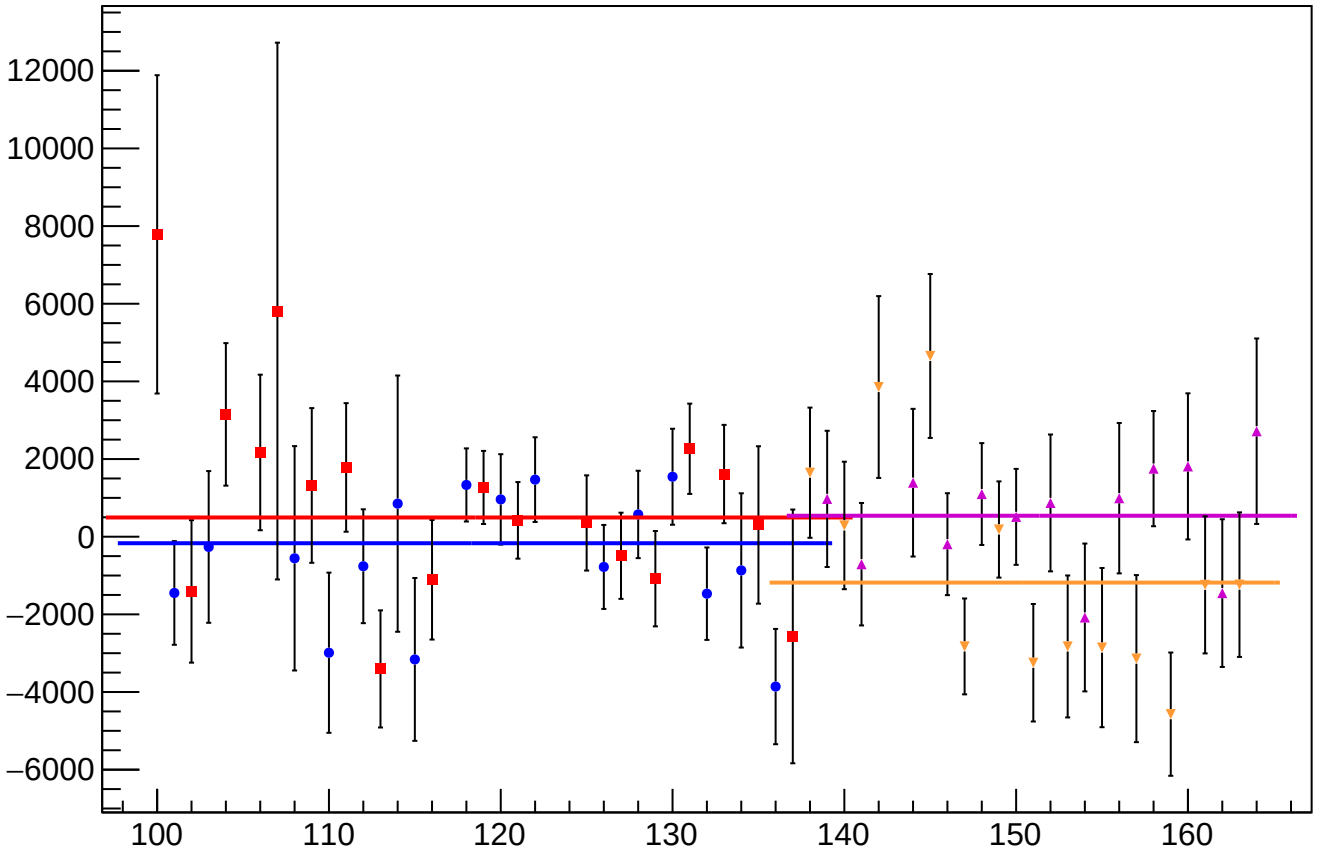
Left: 1110.226+/-0.170 χ^2/NDF: 3871.0/25

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

In: 1107.332+/-0.183 χ^2/NDF:14314.5/28

Out: 1110.043+/-0.186 χ^2/NDF:9120.4/30

All: 1108.667+/-0.131 χ^2/NDF: 23542.5/59



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

Left Out: -1181.648+/-464.376 χ^2/NDF:27.6/12

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

Left In: 539.958+/-452.996 χ^2/NDF:6.4/12

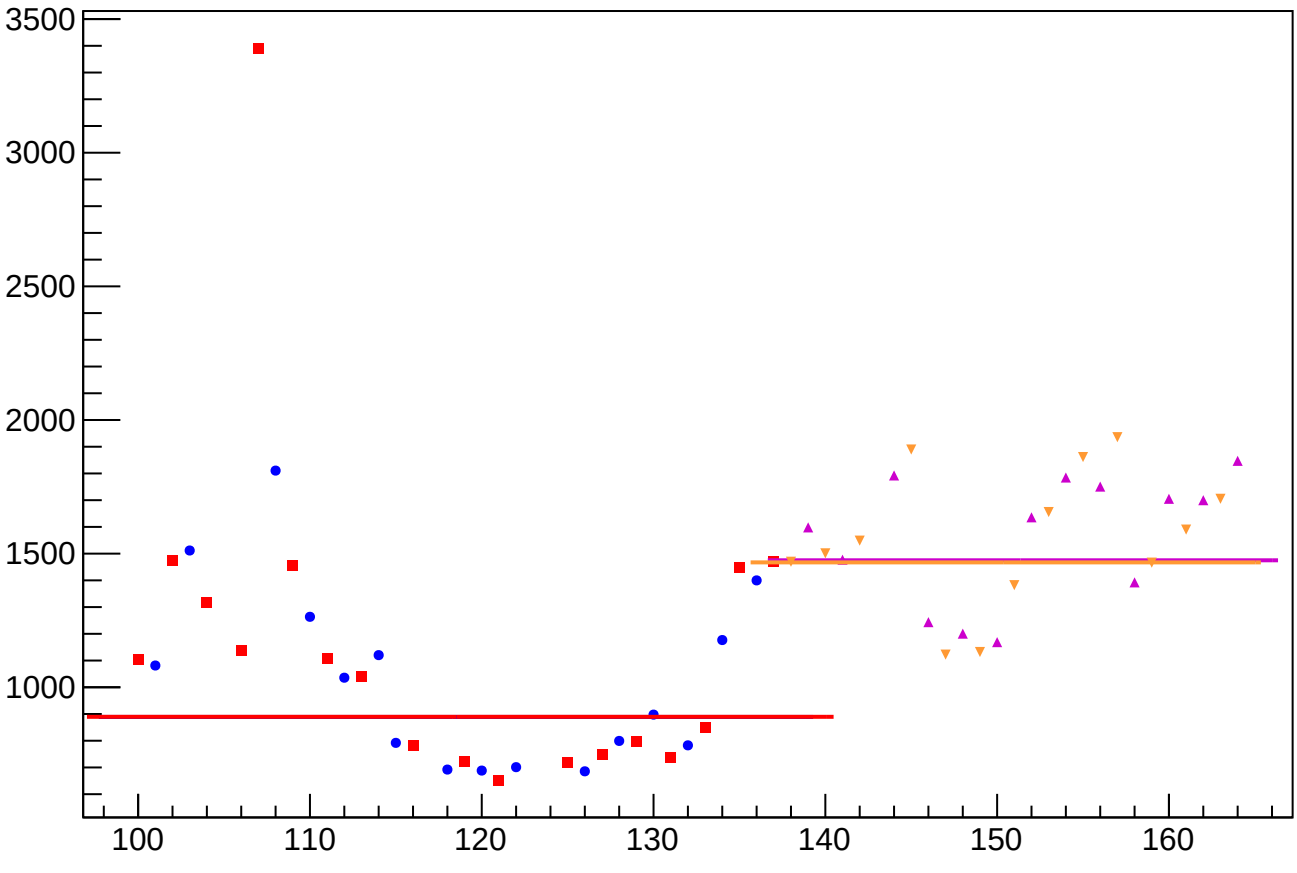
Left: -299.493+/-324.265 χ^2/NDF: 41.1/25

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

In: 92.380+/-274.687 χ^2/NDF:29.0/28

Out: -101.308+/-276.965 χ^2/NDF:59.3/30

All: -3.664+/-195.033 χ^2/NDF: 88.6/59



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

Left Out: 1467.266+/-0.328 χ^2/NDF:624595.9/12

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

Left In: 1475.078+/-0.320 χ^2/NDF:560851.3/12

Left: 1471.269+/-0.229 χ^2/NDF: 1185737.1/25

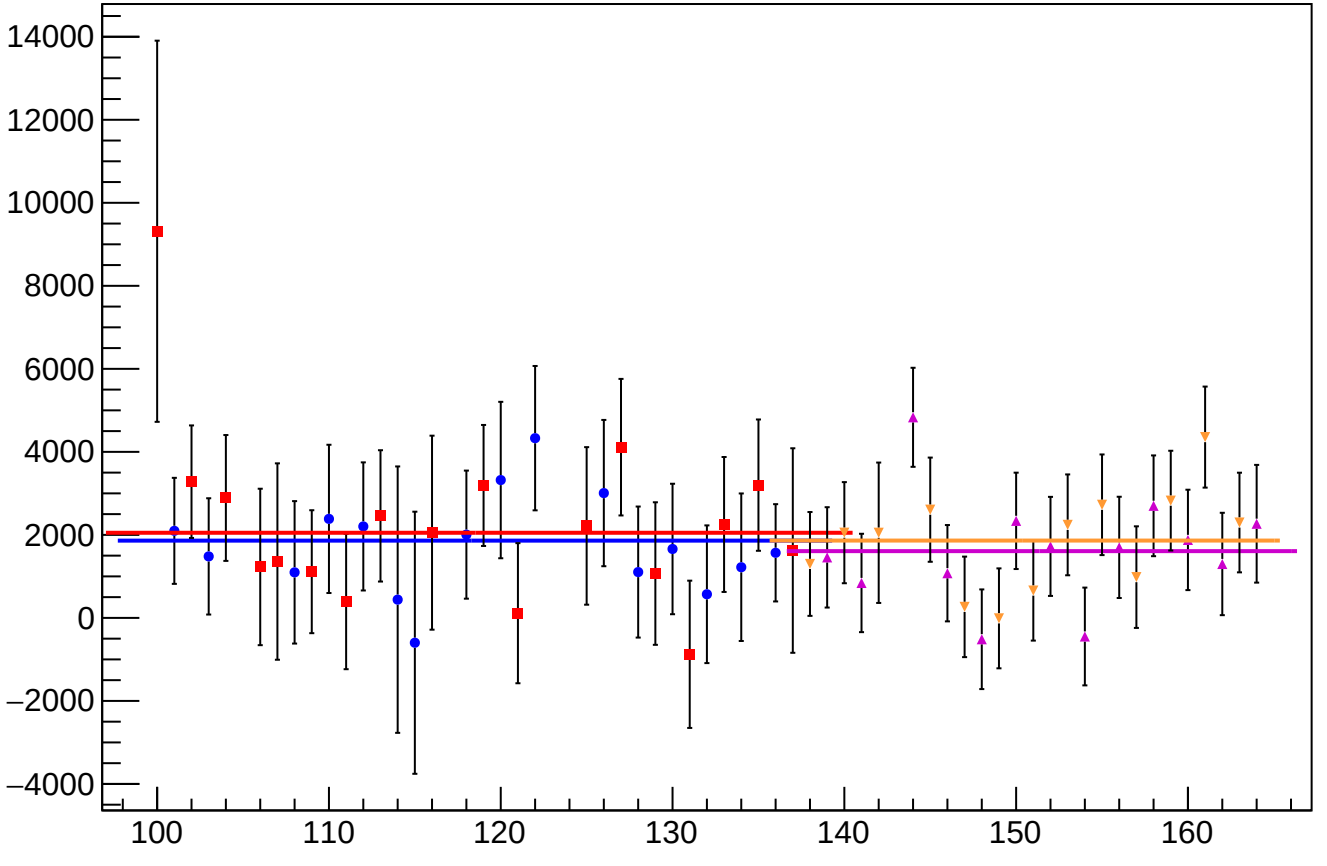
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1104.469+/-0.194 χ^2/NDF:3810727.2/28

Out: 1095.009+/-0.196 χ^2/NDF:3965158.7/30

All: 1099.778+/-0.138 χ^2/NDF: 7777062.1/59

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1863.090+/-344.107 χ^2/NDF:11.8/12

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

Left In: 1608.419+/-335.372 χ^2/NDF:15.7/12

Left: 1732.481+/-240.172 χ^2/NDF: 27.8/25

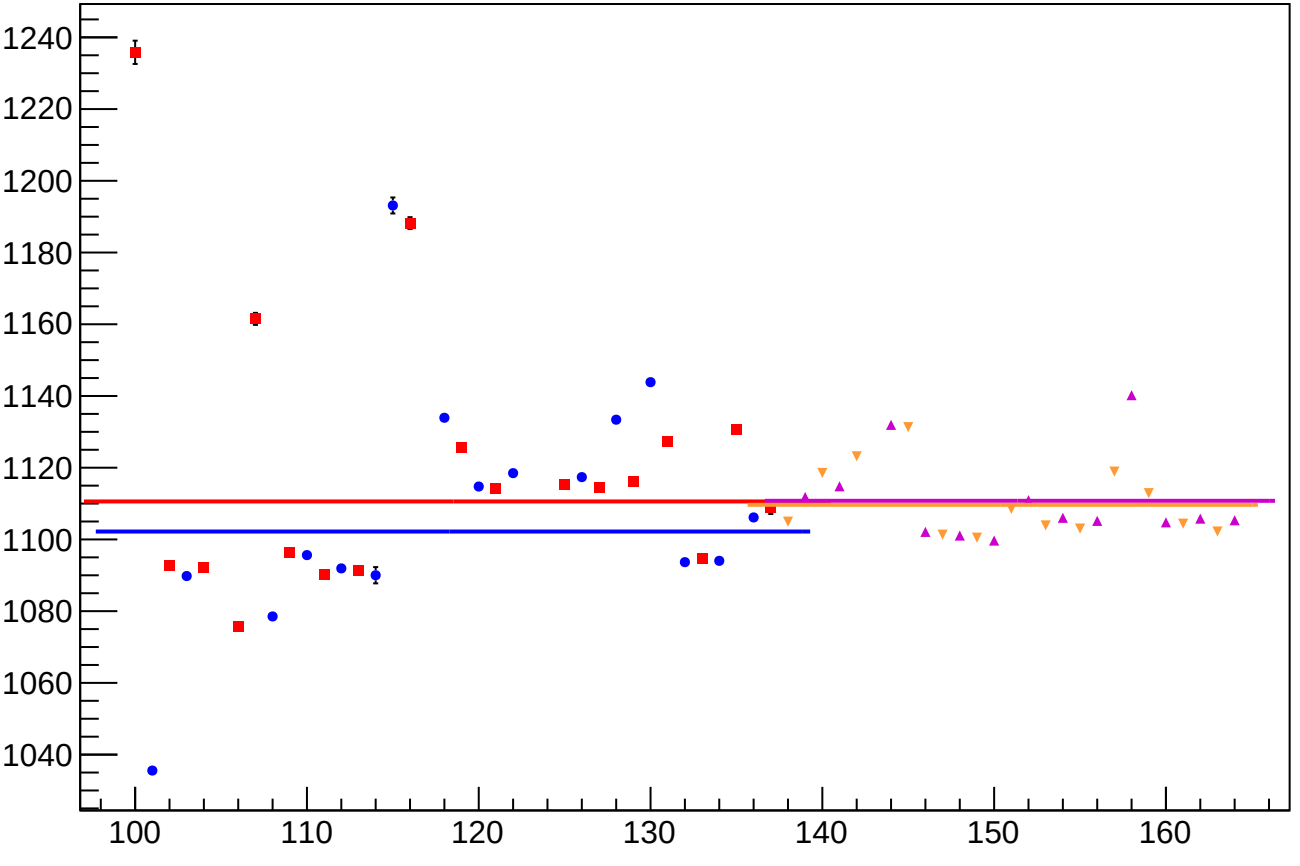
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1710.024+/-259.468 χ^2/NDF:21.2/28

Out: 1940.851+/-263.377 χ^2/NDF:24.5/30

All: 1823.712+/-184.838 χ^2/NDF: 46.1/59

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.655+/-0.243 χ^2/NDF:1418.2/12

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

Left In: 1110.770+/-0.237 χ^2/NDF:2442.0/12

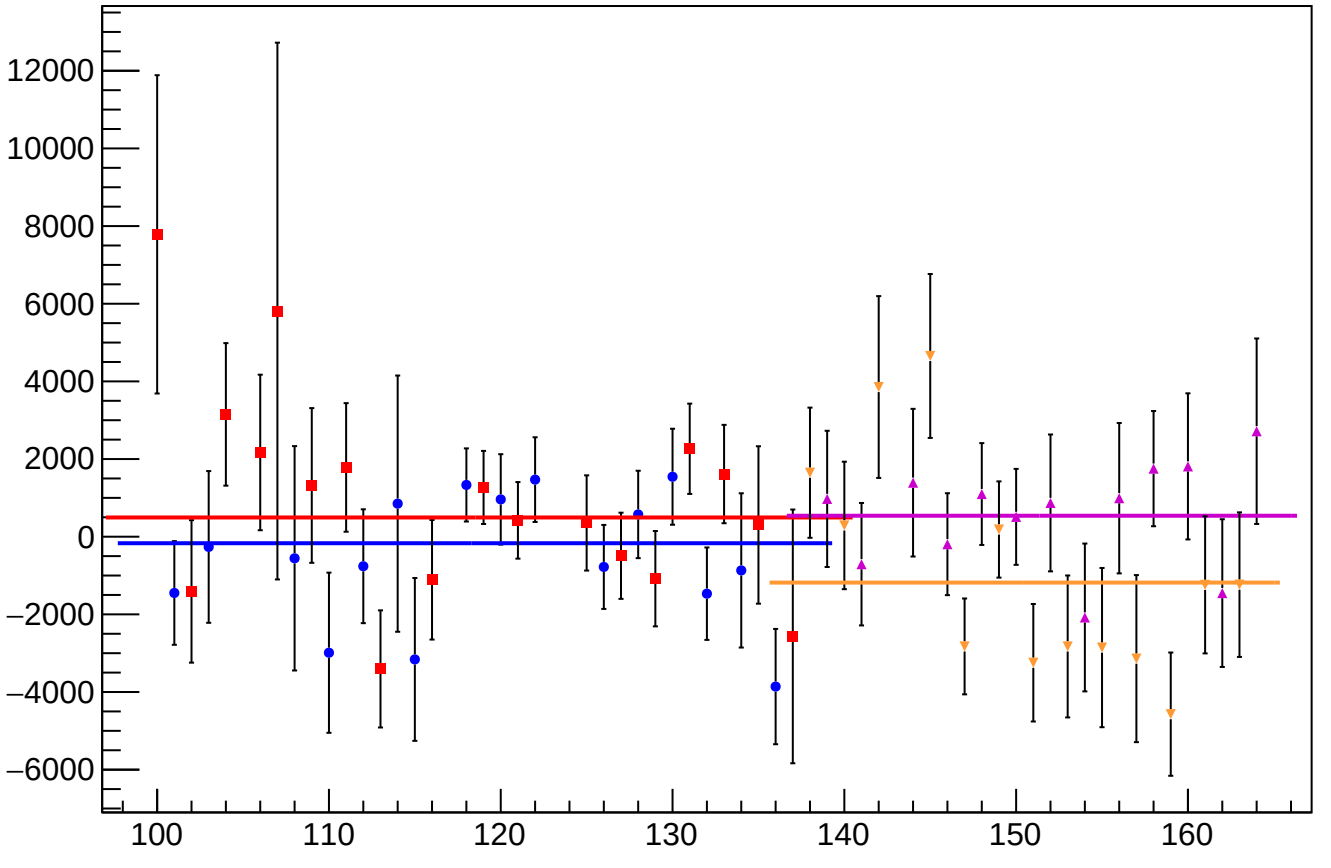
Left: 1110.226+/-0.170 χ^2/NDF: 3871.0/25

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

In: 1107.332+/-0.183 χ^2/NDF:14314.5/28

Out: 1110.043+/-0.186 χ^2/NDF:9120.4/30

All: 1108.667+/-0.131 χ^2/NDF: 23542.5/59



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

Left Out: -1181.648+/-464.376 χ^2/NDF:27.6/12

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

Left In: 539.958+/-452.996 χ^2/NDF:6.4/12

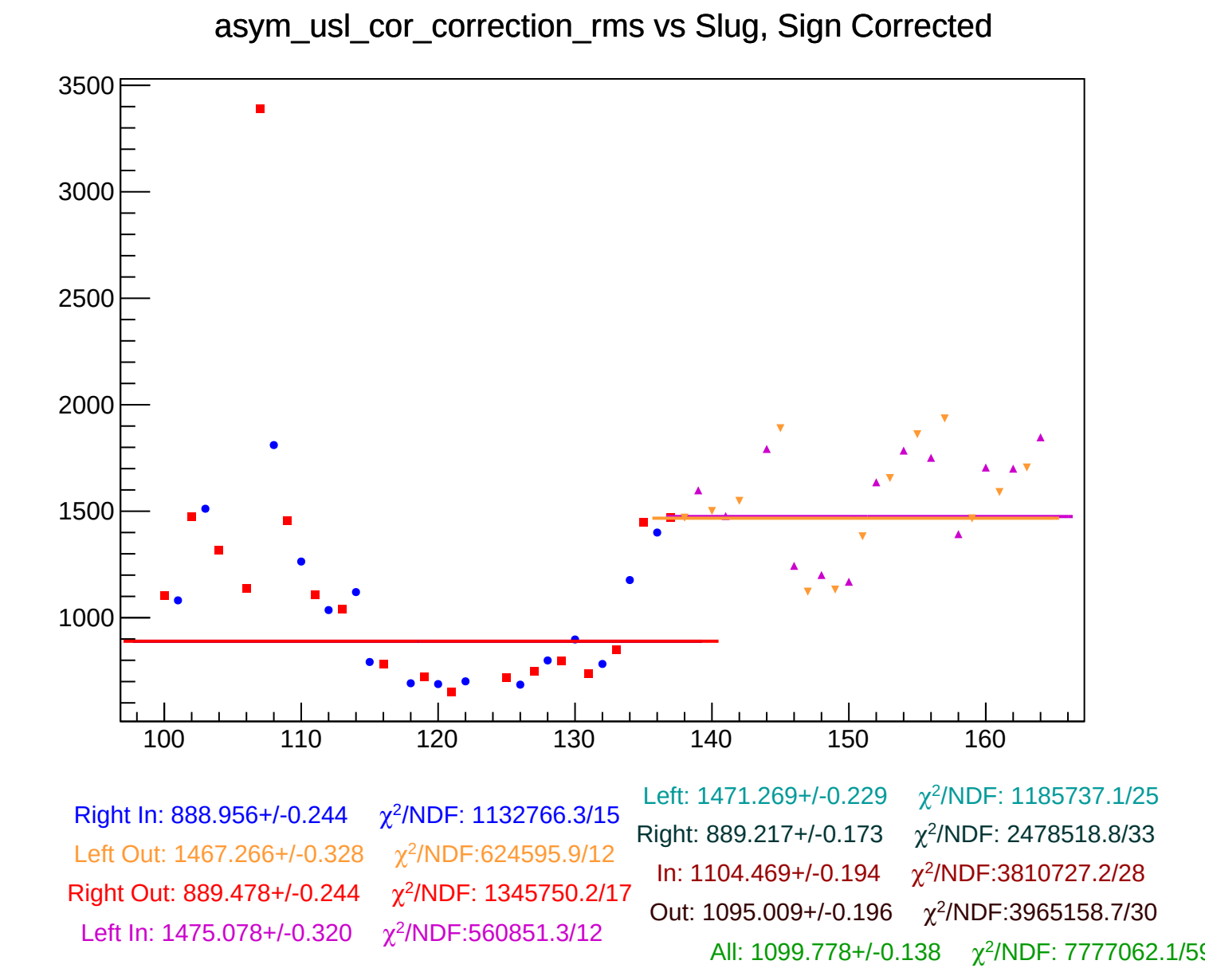
Left: -299.493+/-324.265 χ^2/NDF: 41.1/25

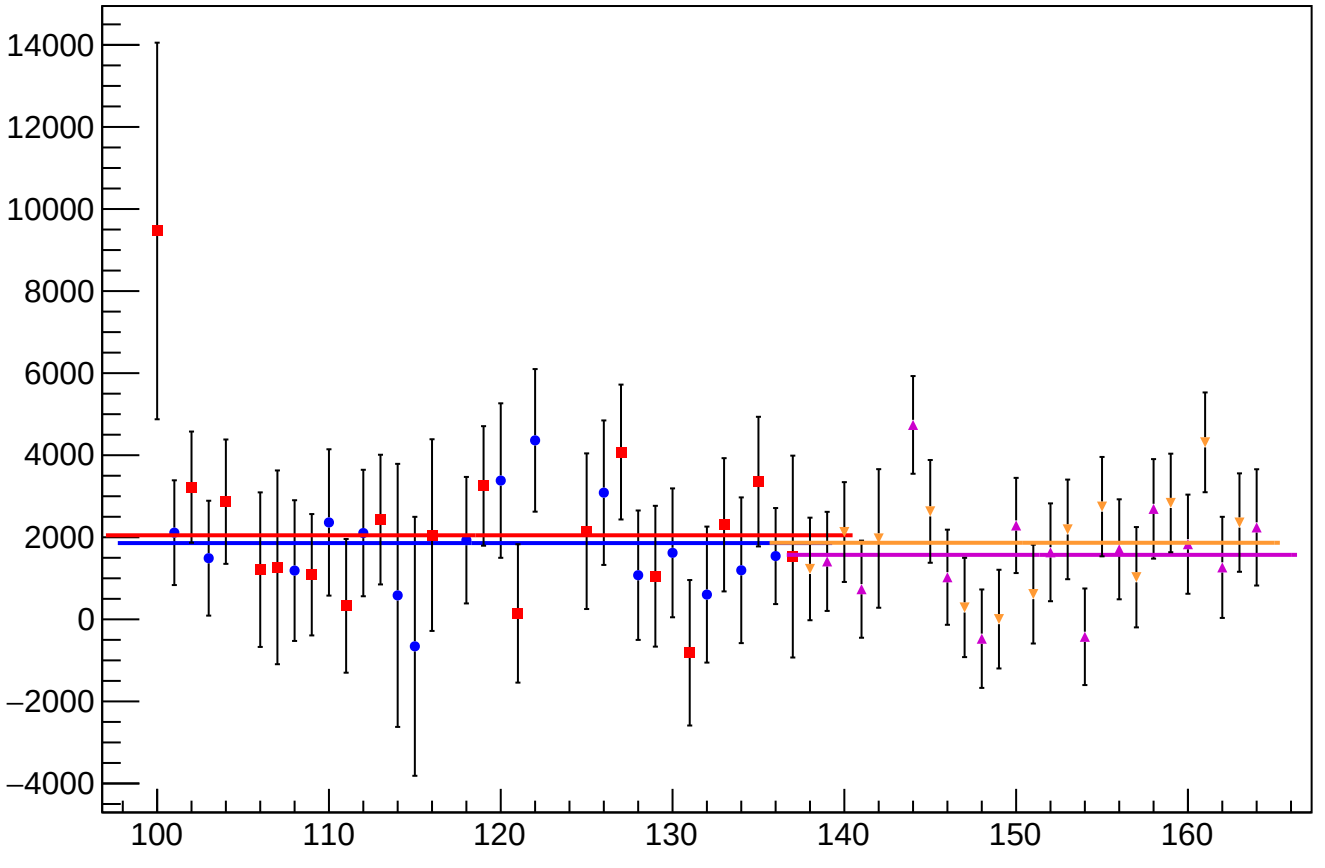
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 92.380+/-274.687 χ^2/NDF:29.0/28

Out: -101.308+/-276.965 χ^2/NDF:59.3/30

All: -3.664+/-195.033 χ^2/NDF: 88.6/59


asym_usl_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 888.956+/-0.244 χ²/NDF: 1132766.3/15
Left Out: 1467.266+/-0.328 χ²/NDF:624595.9/12
Right Out: 889.478+/-0.244 χ²/NDF: 1345750.2/17
Left In: 1475.078+/-0.320 χ²/NDF:560851.3/12
Left: 1471.269+/-0.229 χ²/NDF: 1185737.1/25
Right: 889.217+/-0.173 χ²/NDF: 2478518.8/33
In: 1104.469+/-0.194 χ²/NDF:3810727.2/28
Out: 1095.009+/-0.196 χ²/NDF:3965158.7/30
All: 1099.778+/-0.138 χ²/NDF: 7777062.1/59



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

Left Out: 1866.021+/-343.750 χ^2/NDF:11.8/12

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

Left In: 1571.755+/-335.031 χ^2/NDF:15.2/12

Left: 1715.109+/-239.926 χ^2/NDF: 27.3/25

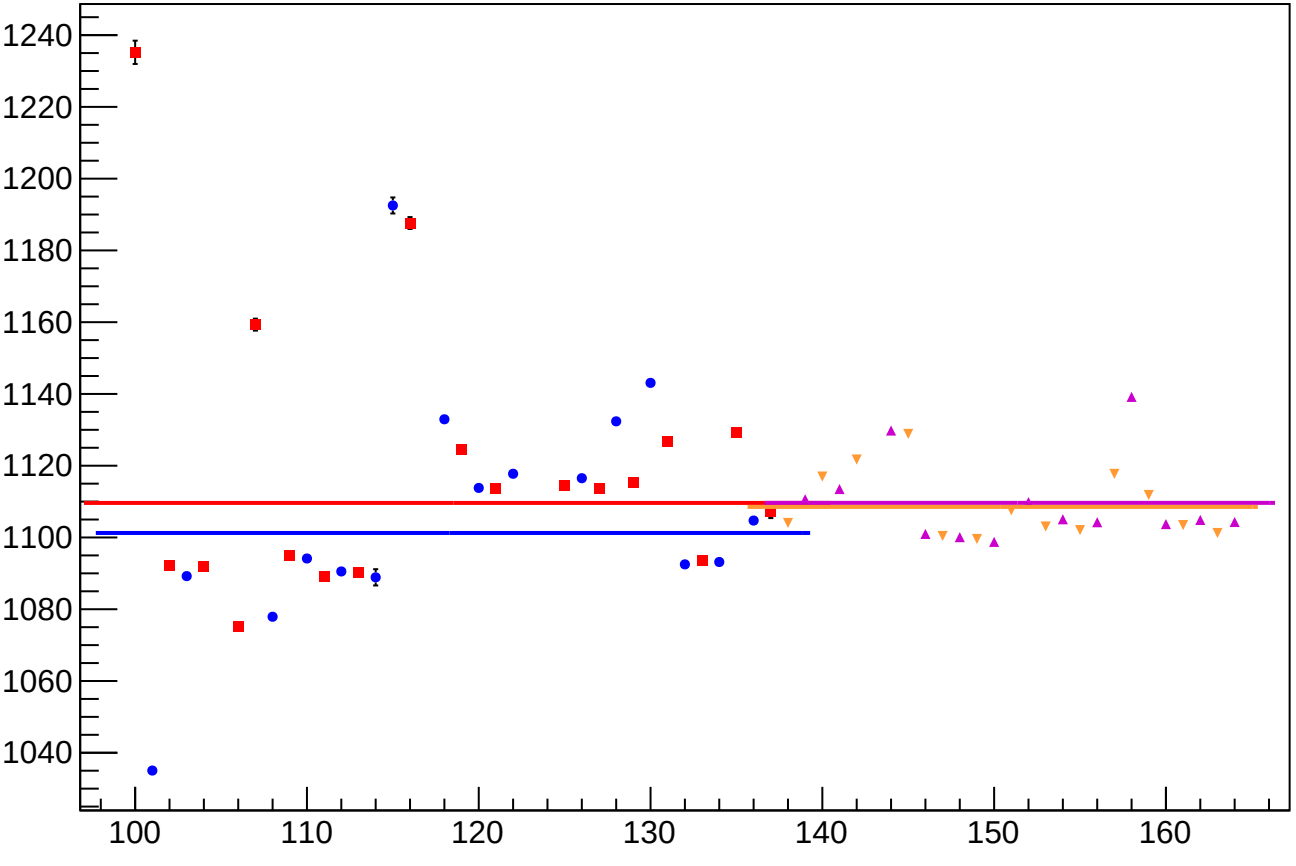
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1686.915+/-259.220 χ^2/NDF:20.9/28

Out: 1941.656+/-263.123 χ^2/NDF:24.7/30

All: 1812.383+/-184.661 χ^2/NDF: 46.0/59

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+/-0.243 χ^2/NDF:1308.3/12

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

Left In: 1109.642+/-0.237 χ^2/NDF:2372.5/12

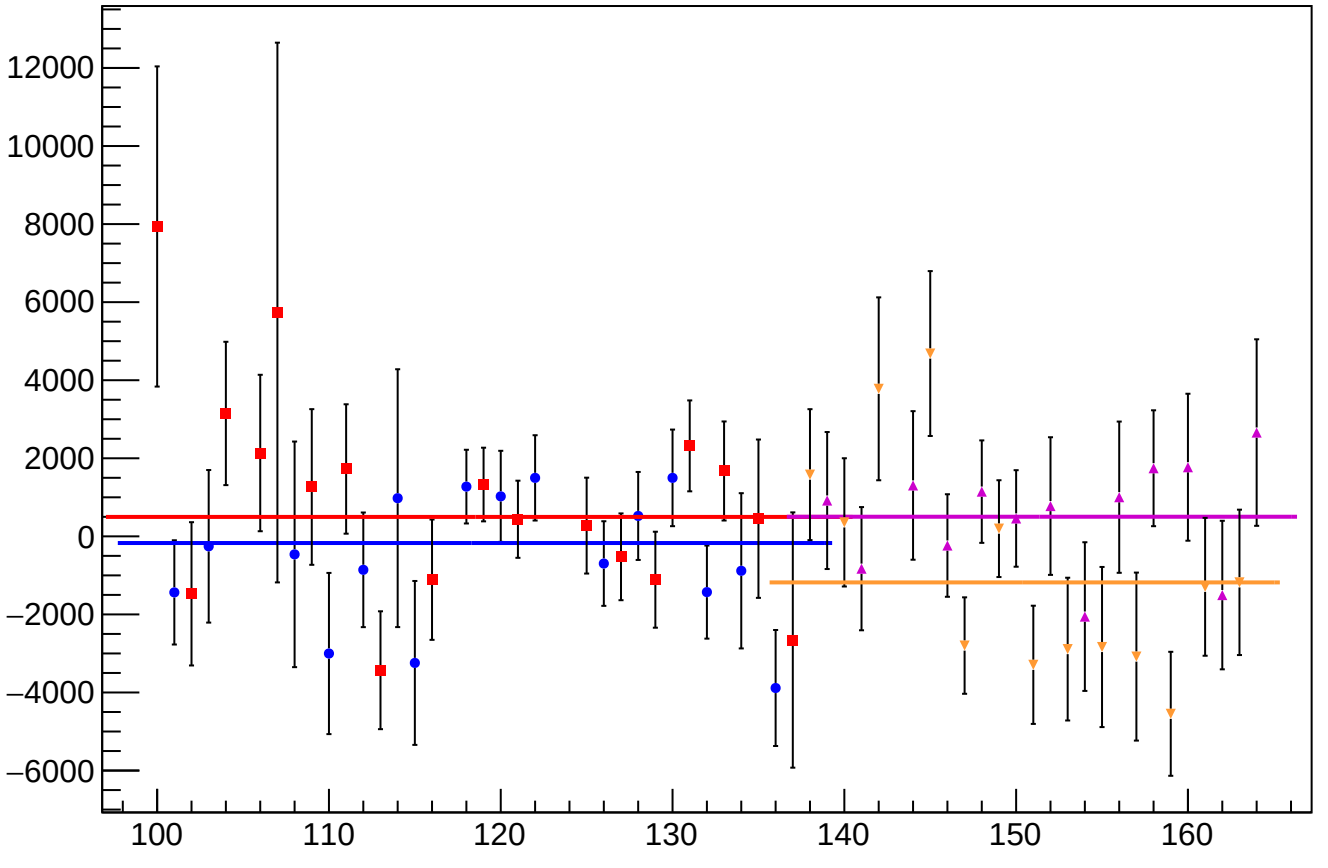
Left: 1109.092+/-0.170 χ^2/NDF: 3691.8/25

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

In: 1106.276+/-0.183 χ^2/NDF:14183.9/28

Out: 1108.975+/-0.186 χ^2/NDF:8990.1/30

All: 1107.605+/-0.131 χ^2/NDF: 23280.8/59



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

Left Out: -1180.071+/-464.653 χ^2/NDF:27.5/12

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

Left In: 502.595+/-453.265 χ^2/NDF:6.5/12

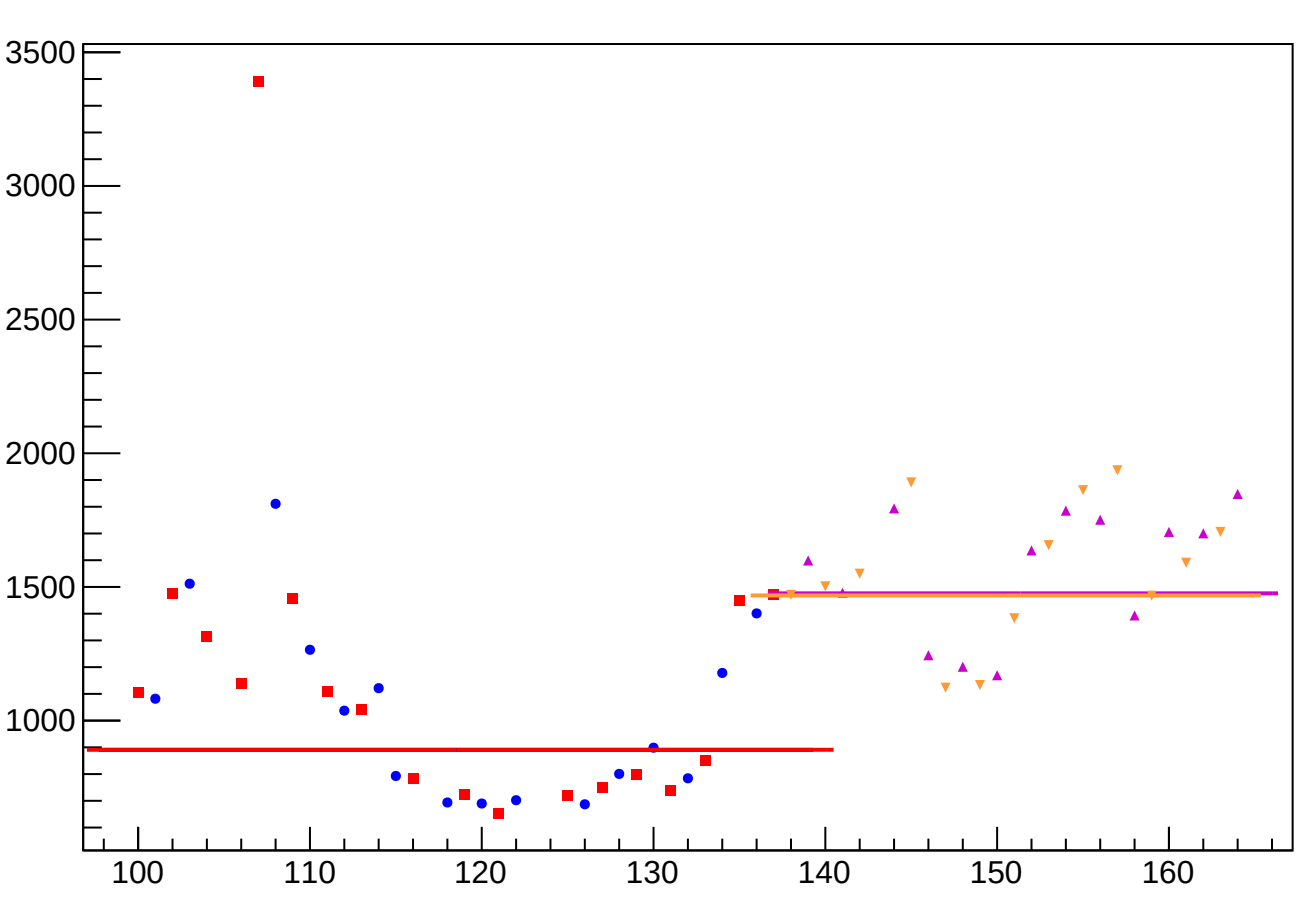
Left: -317.866+/-324.458 χ^2/NDF: 40.7/25

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

In: 77.024+/-275.018 χ^2/NDF:28.8/28

Out: -99.633+/-277.288 χ^2/NDF:59.8/30

All: -10.578+/-195.264 χ^2/NDF: 88.8/59



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

Left Out: 1468.186+/-0.329 χ^2/NDF:623631.4/12

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

Left In: 1475.991+/-0.321 χ^2/NDF:559918.7/12

Left: 1472.185+/-0.229 χ^2/NDF: 1183839.3/25

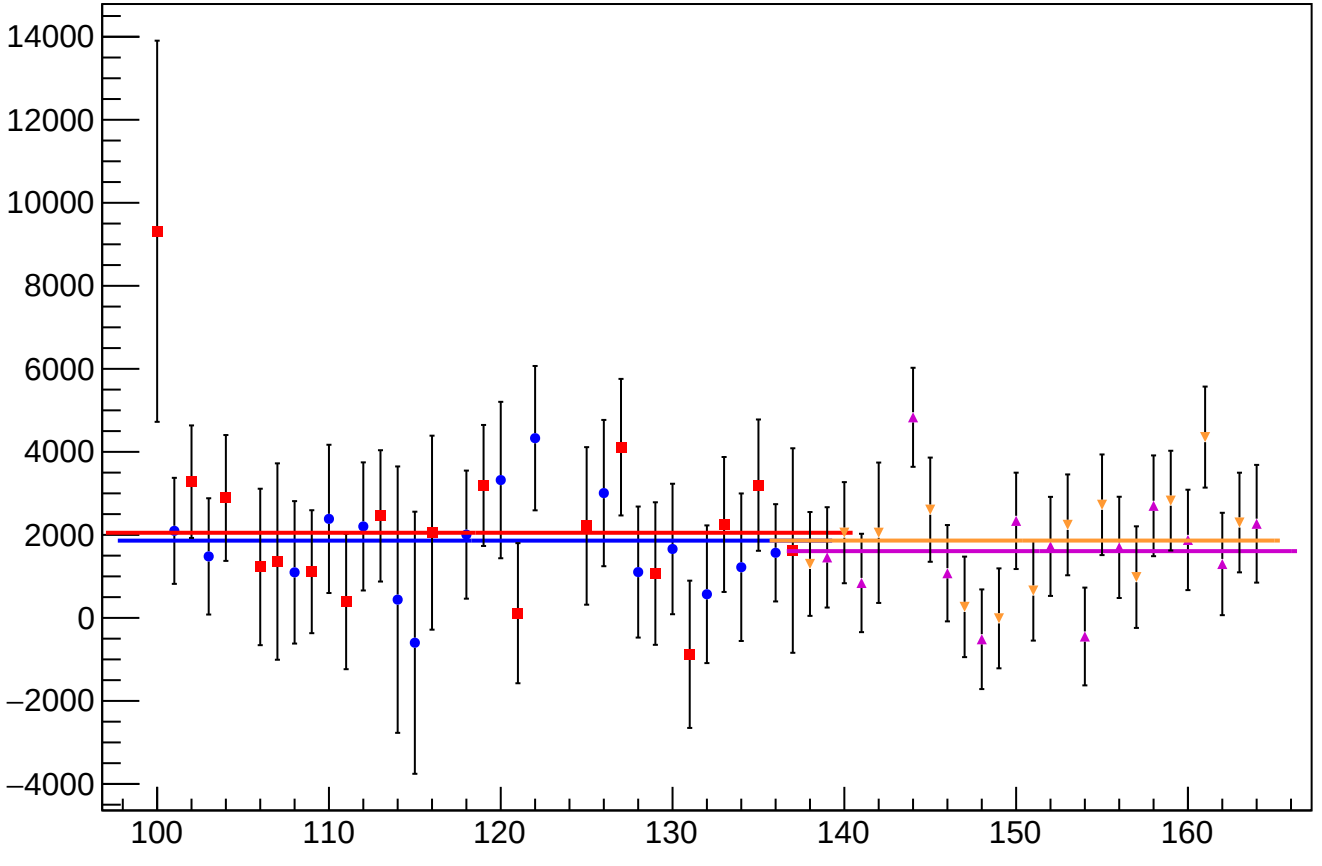
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1106.041+/-0.194 χ^2/NDF:3797252.5/28

Out: 1096.511+/-0.196 χ^2/NDF:3952894.3/30

All: 1101.316+/-0.138 χ^2/NDF: 7751337.7/59

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1863.090+/-344.107 χ^2/NDF:11.8/12

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

Left In: 1608.419+/-335.372 χ^2/NDF:15.7/12

Left: 1732.481+/-240.172 χ^2/NDF: 27.8/25

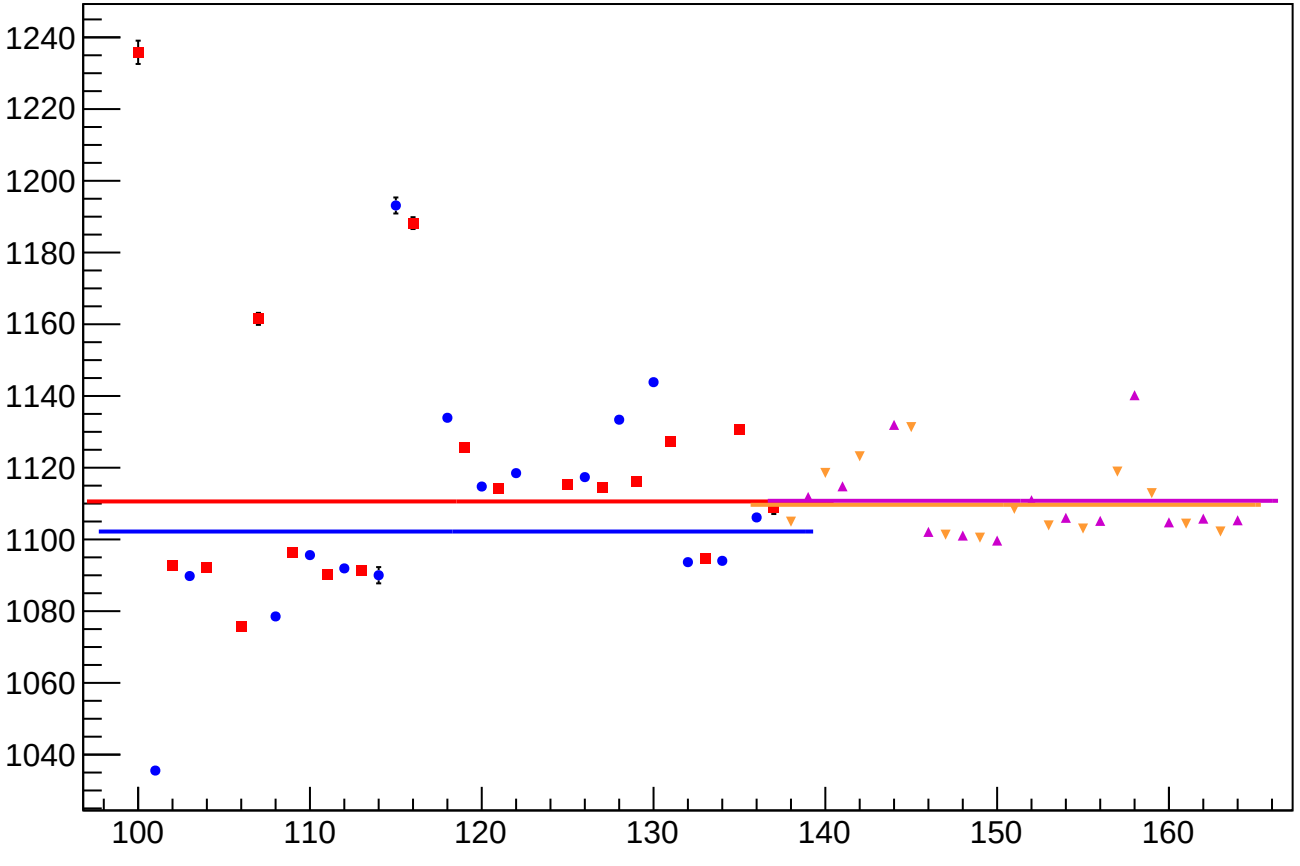
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1710.024+/-259.468 χ^2/NDF:21.2/28

Out: 1940.851+/-263.377 χ^2/NDF:24.5/30

All: 1823.712+/-184.838 χ^2/NDF: 46.1/59

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.655+/-0.243 χ^2/NDF:1418.2/12

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

Left In: 1110.770+/-0.237 χ^2/NDF:2442.0/12

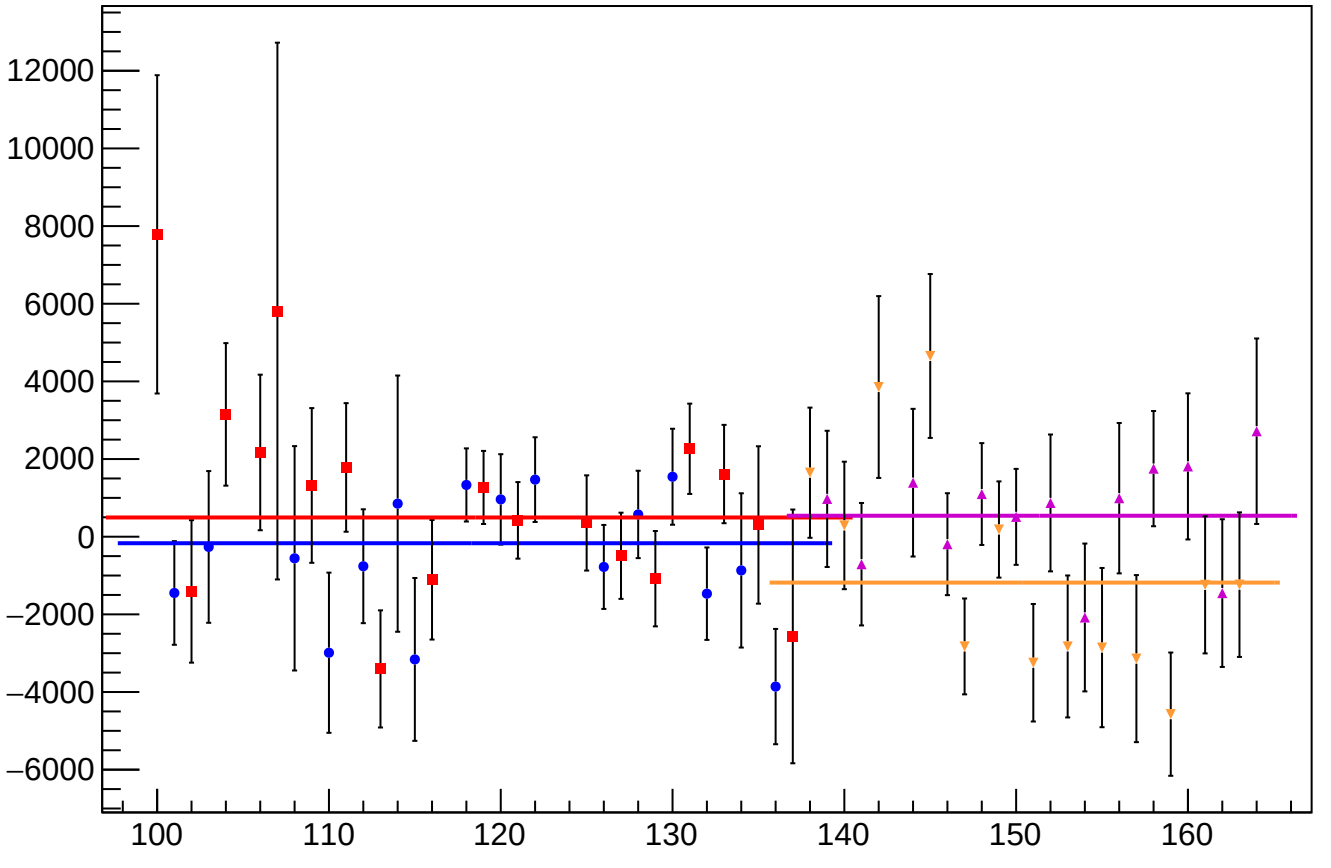
Left: 1110.226+/-0.170 χ^2/NDF: 3871.0/25

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

In: 1107.332+/-0.183 χ^2/NDF:14314.5/28

Out: 1110.043+/-0.186 χ^2/NDF:9120.4/30

All: 1108.667+/-0.131 χ^2/NDF: 23542.5/59



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

Left Out: -1181.648+/-464.376 χ^2/NDF:27.6/12

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

Left In: 539.958+/-452.996 χ^2/NDF:6.4/12

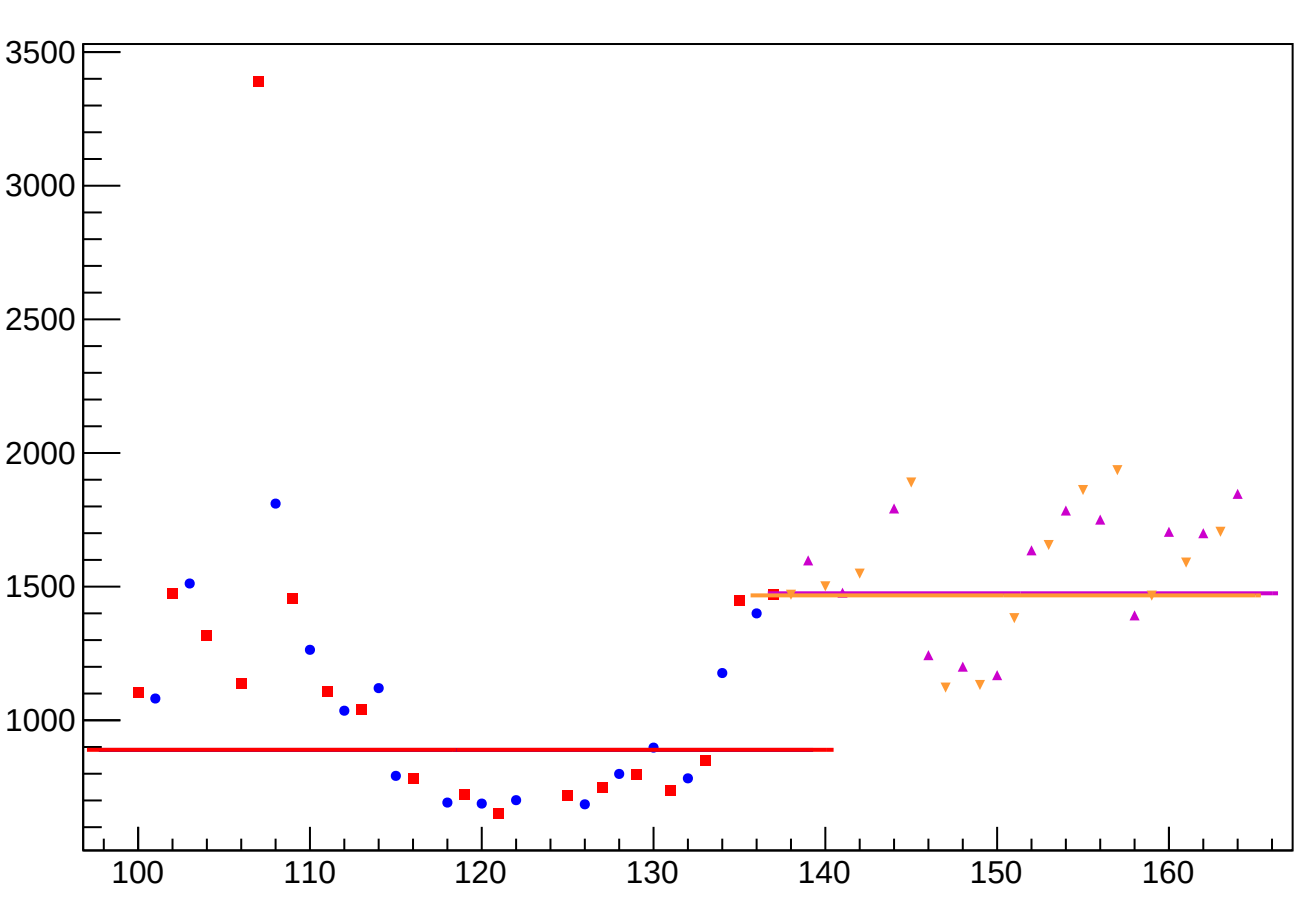
Left: -299.493+/-324.265 χ^2/NDF: 41.1/25

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

In: 92.380+/-274.687 χ^2/NDF:29.0/28

Out: -101.308+/-276.965 χ^2/NDF:59.3/30

All: -3.664+/-195.033 χ^2/NDF: 88.6/59



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

Left Out: 1467.266+/-0.328 χ^2/NDF:624595.9/12

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

Left In: 1475.078+/-0.320 χ^2/NDF:560851.3/12

Left: 1471.269+/-0.229 χ^2/NDF: 1185737.1/25

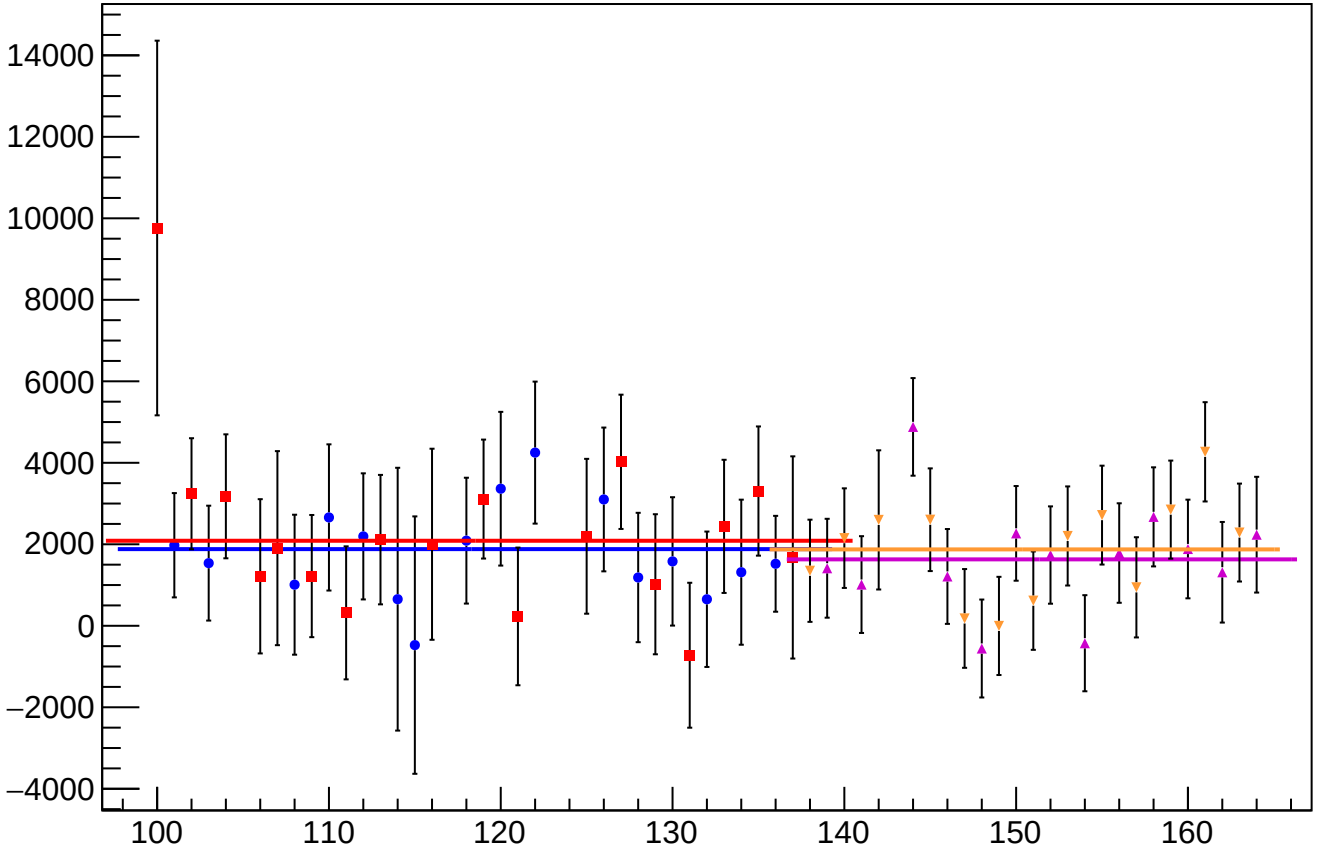
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1104.469+/-0.194 χ^2/NDF:3810727.2/28

Out: 1095.009+/-0.196 χ^2/NDF:3965158.7/30

All: 1099.778+/-0.138 χ^2/NDF: 7777062.1/59

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1881.524+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1874.582+/-344.863 χ^2/NDF:12.0/12

Right Out: 2086.886+/-410.785 χ^2/NDF: 12.4/17

Left In: 1629.886+/-335.992 χ^2/NDF:15.5/12

Left: 1749.046+/-240.658 χ^2/NDF: 27.8/25

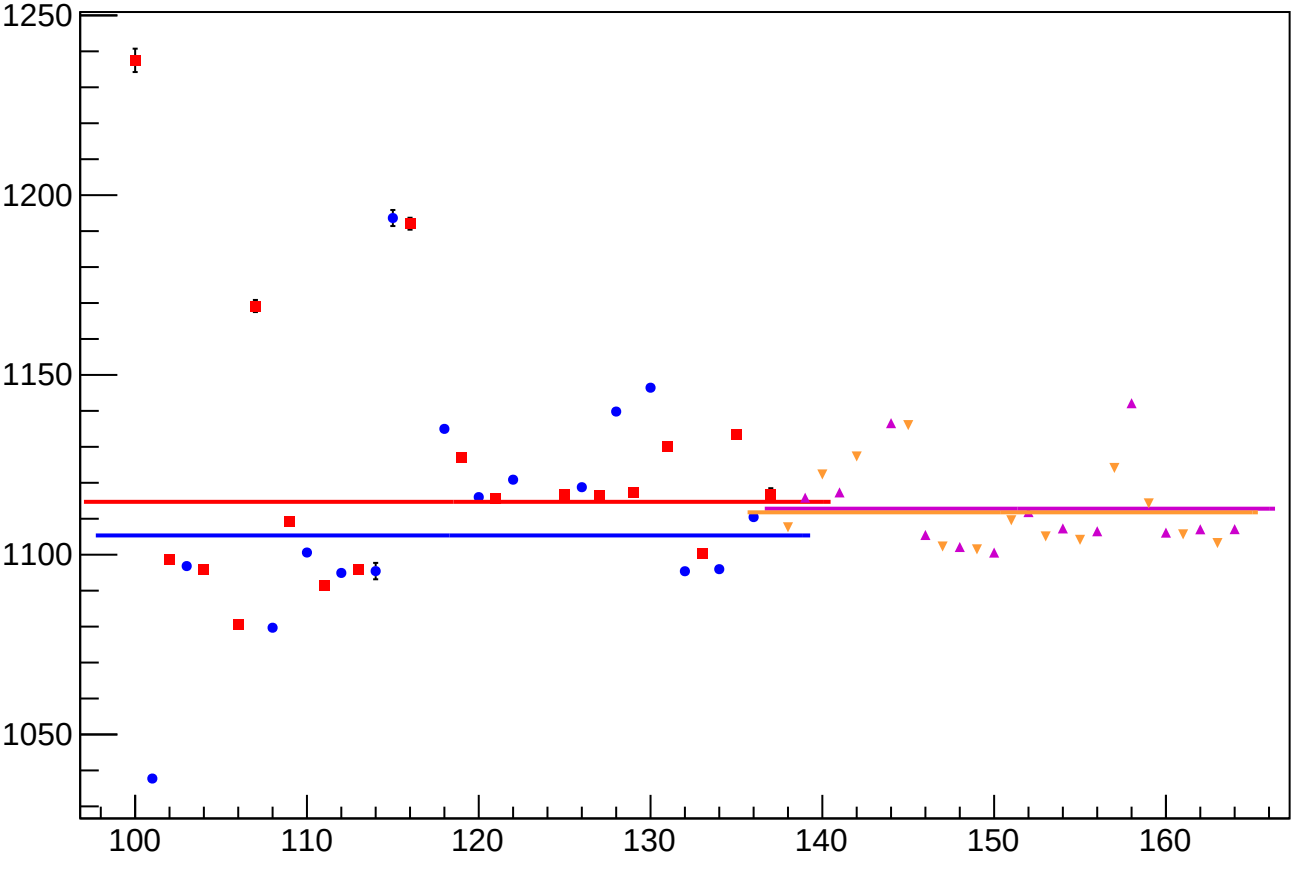
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1730.778+/-260.055 χ^2/NDF:20.9/28

Out: 1962.353+/-264.126 χ^2/NDF:24.5/30

All: 1844.767+/-185.309 χ^2/NDF: 45.8/59

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1111.784+/-0.244 χ^2/NDF:1854.6/12

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1112.796+/-0.238 χ^2/NDF:2684.9/12

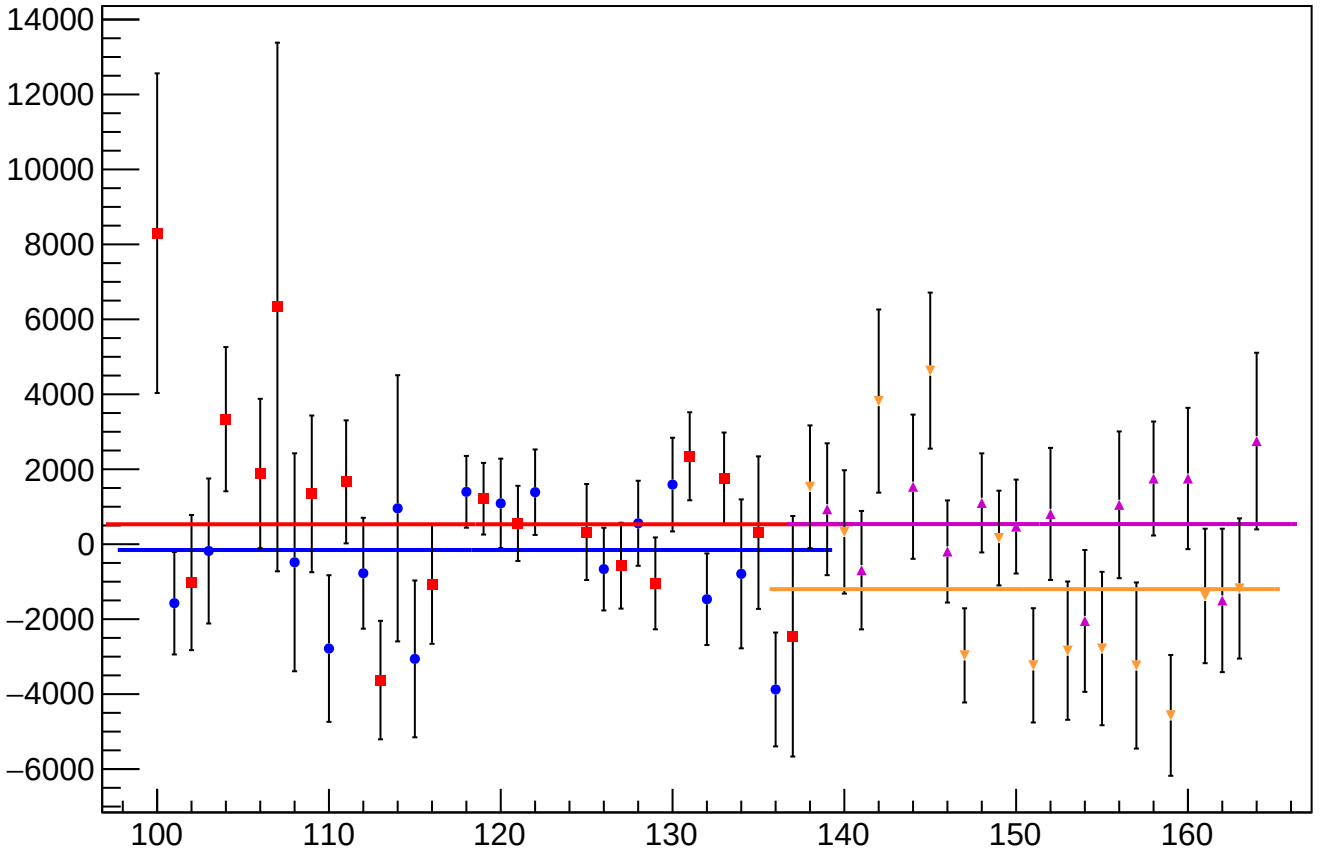
Left: 1112.303+/-0.170 χ^2/NDF: 4548.3/25

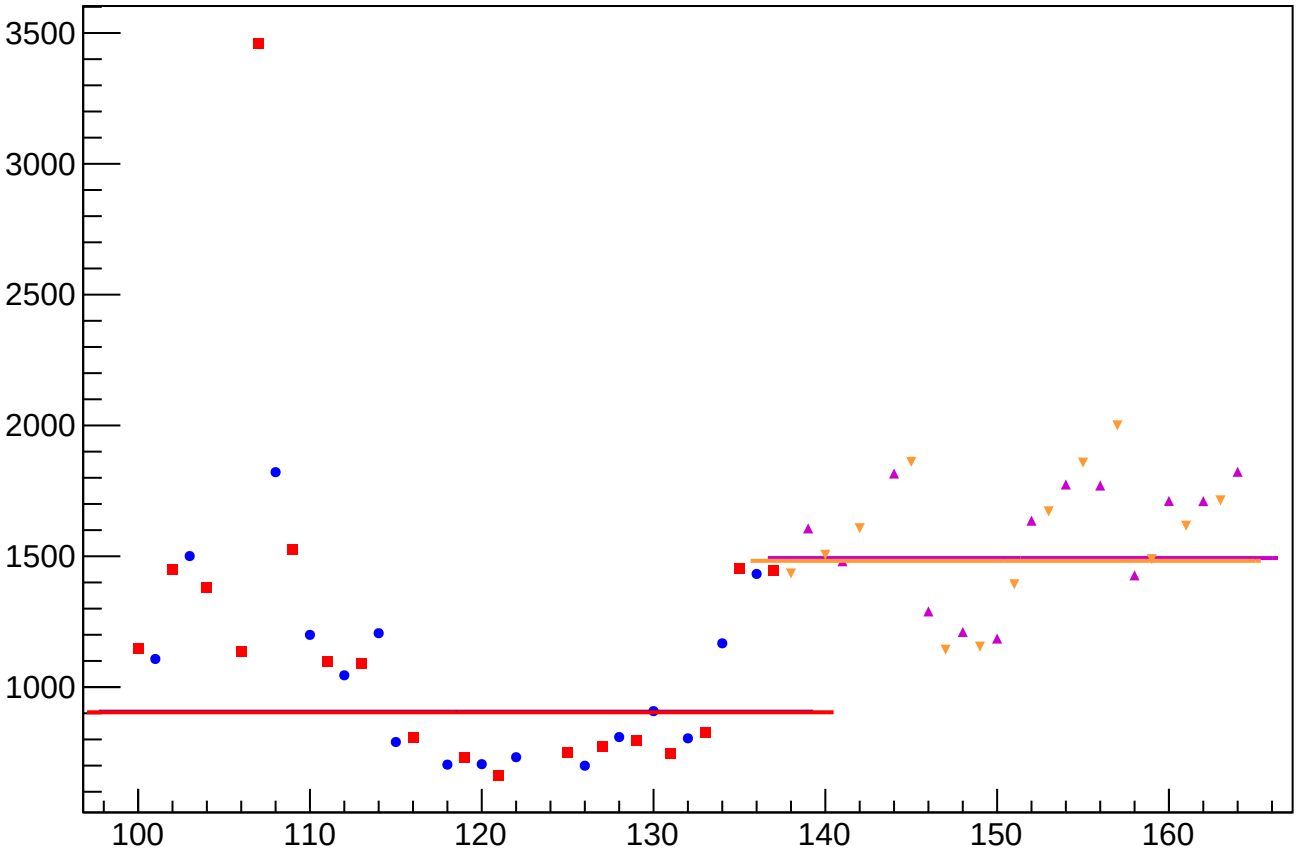
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1109.813+/-0.184 χ^2/NDF:14409.0/28

Out: 1112.992+/-0.187 χ^2/NDF:9244.2/30

All: 1111.377+/-0.131 χ^2/NDF: 23800.4/59


asym_usl_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -153.999+/-351.318 χ²/NDF: 20.5/15
Left Out: -1198.408+/-468.988 χ²/NDF:27.2/12
Right Out: 532.155+/-350.407 χ²/NDF: 23.2/17
Left In: 537.683+/-457.828 χ²/NDF:6.4/12
Left: -309.460+/-327.608 χ²/NDF: 40.7/25
Right: 189.968+/-248.097 χ²/NDF: 45.6/33
In: 102.345+/-278.715 χ²/NDF:28.3/28
Out: -87.821+/-280.708 χ²/NDF:59.2/30
All: 7.940+/-197.782 χ²/NDF: 87.8/59



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1482.707+/-0.332 χ^2/NDF:600176.7/12

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1493.303+/-0.324 χ^2/NDF:514540.4/12

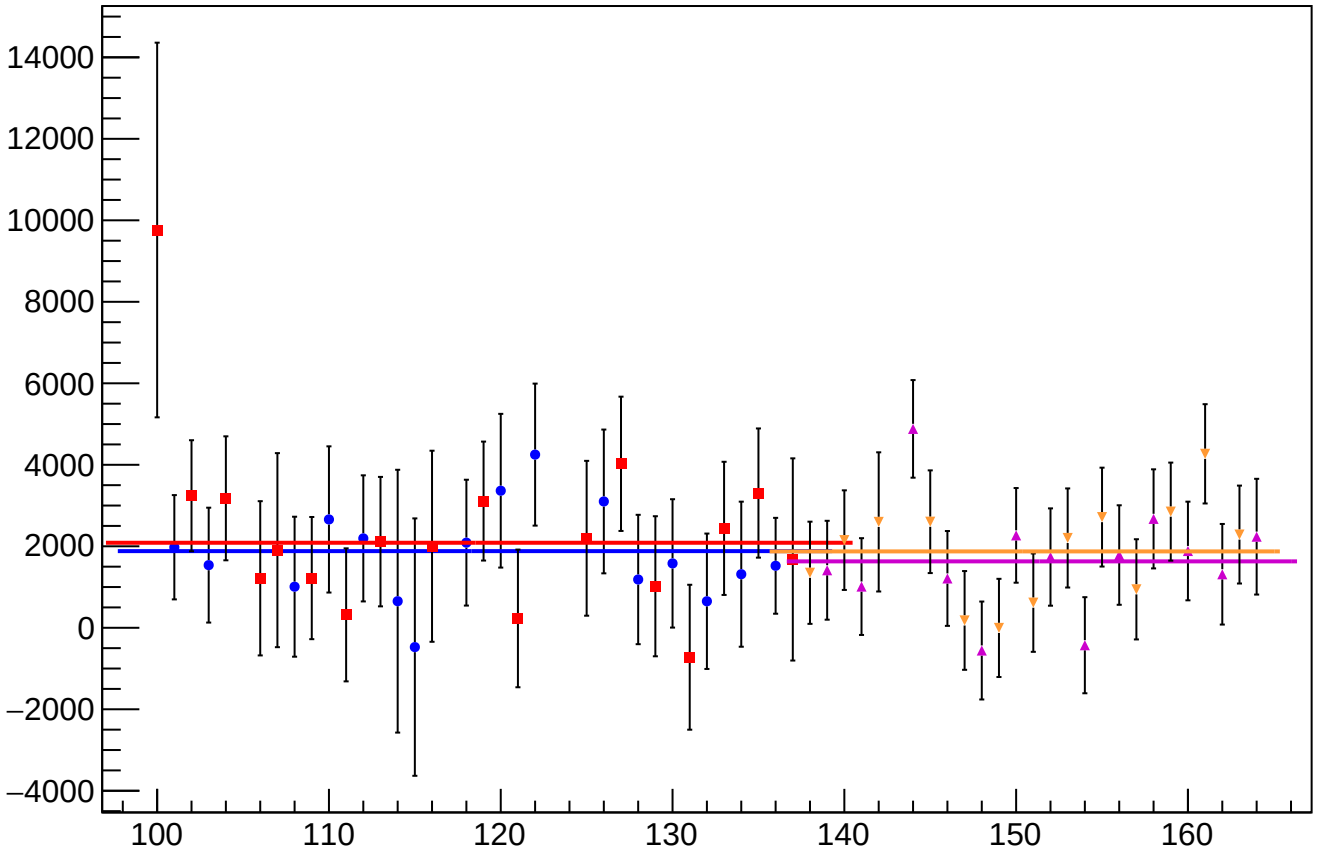
Left: 1488.133+/-0.232 χ^2/NDF: 1115239.9/25

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

In: 1123.682+/-0.197 χ^2/NDF:3665156.4/28

Out: 1111.164+/-0.198 χ^2/NDF:3896114.5/30

All: 1117.468+/-0.140 χ^2/NDF: 7563274.0/59



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1874.577+/-344.863 χ^2/NDF:12.0/12

Right Out: 2086.884+/-410.785 χ^2/NDF: 12.4/17

Left In: 1629.888+/-335.992 χ^2/NDF:15.5/12

Left: 1749.045+/-240.658 χ^2/NDF: 27.8/25

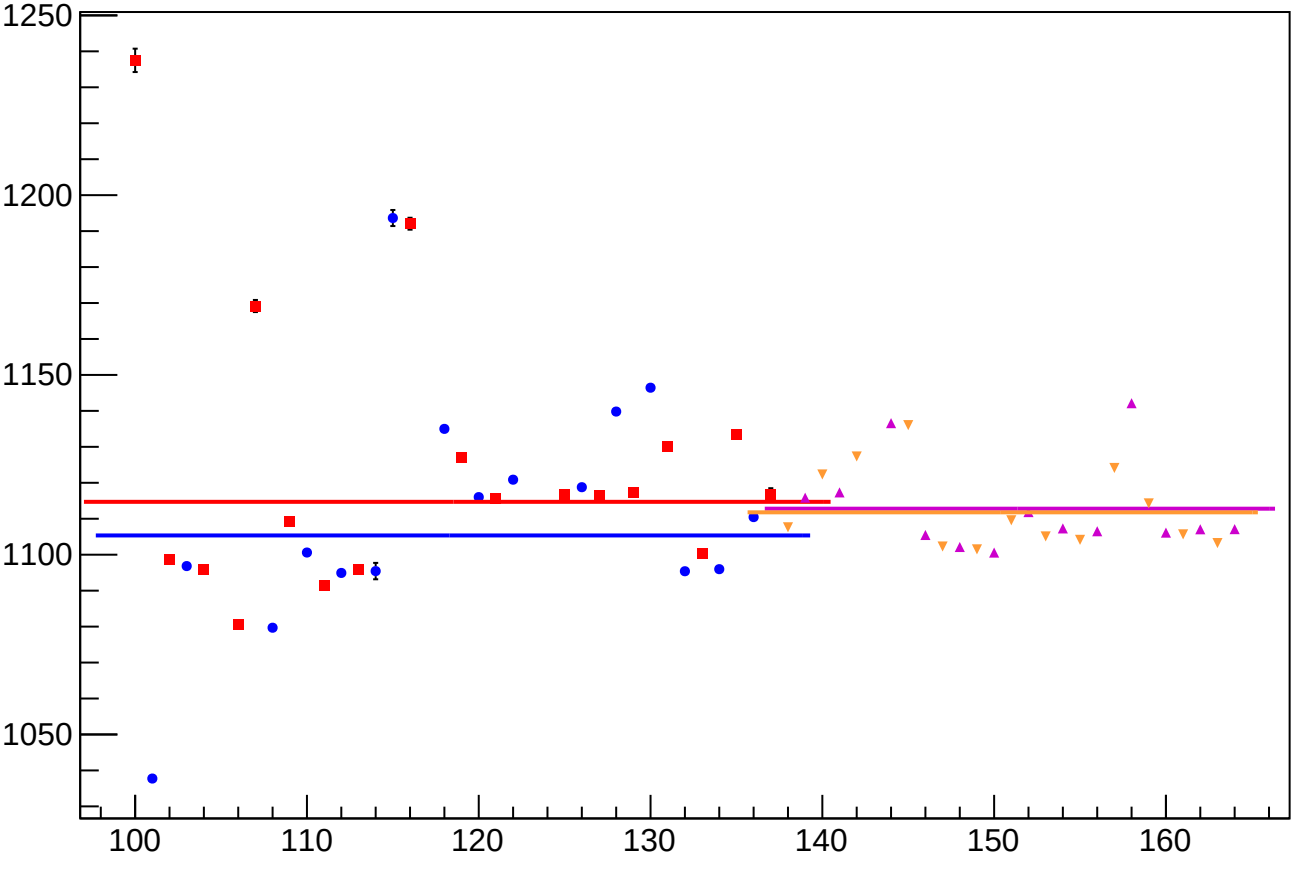
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1730.779+/-260.055 χ^2/NDF:20.9/28

Out: 1962.349+/-264.126 χ^2/NDF:24.5/30

All: 1844.766+/-185.309 χ^2/NDF: 45.8/59

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1111.784+/-0.244 χ^2/NDF:1854.6/12

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1112.796+/-0.238 χ^2/NDF:2684.9/12

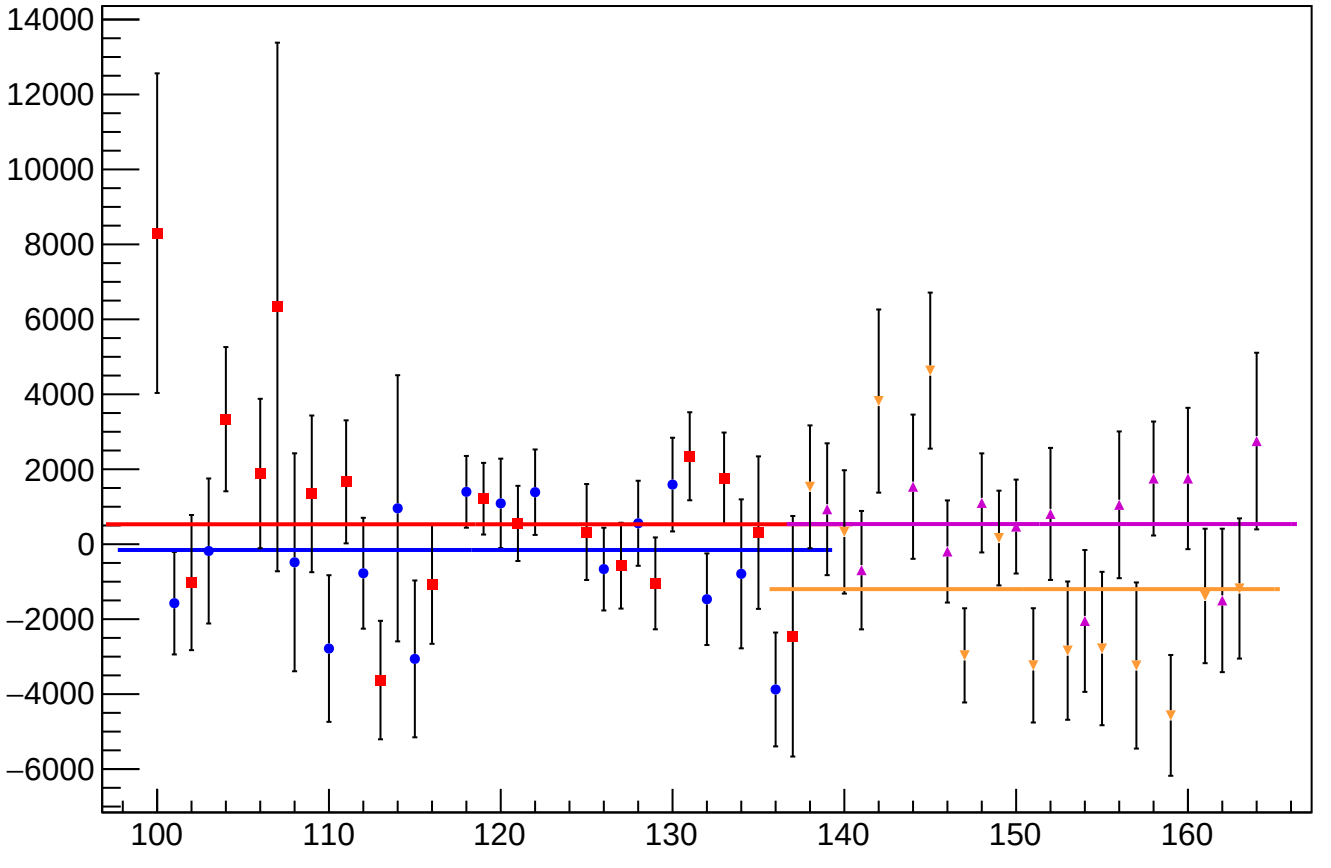
Left: 1112.303+/-0.170 χ^2/NDF: 4548.3/25

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

In: 1109.813+/-0.184 χ^2/NDF:14409.0/28

Out: 1112.992+/-0.187 χ^2/NDF:9244.2/30

All: 1111.377+/-0.131 χ^2/NDF: 23800.3/59



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -1198.414+/-468.989 χ^2/NDF:27.2/12

Right Out: 532.154+/-350.406 χ^2/NDF: 23.2/17

Left In: 537.686+/-457.828 χ^2/NDF:6.4/12

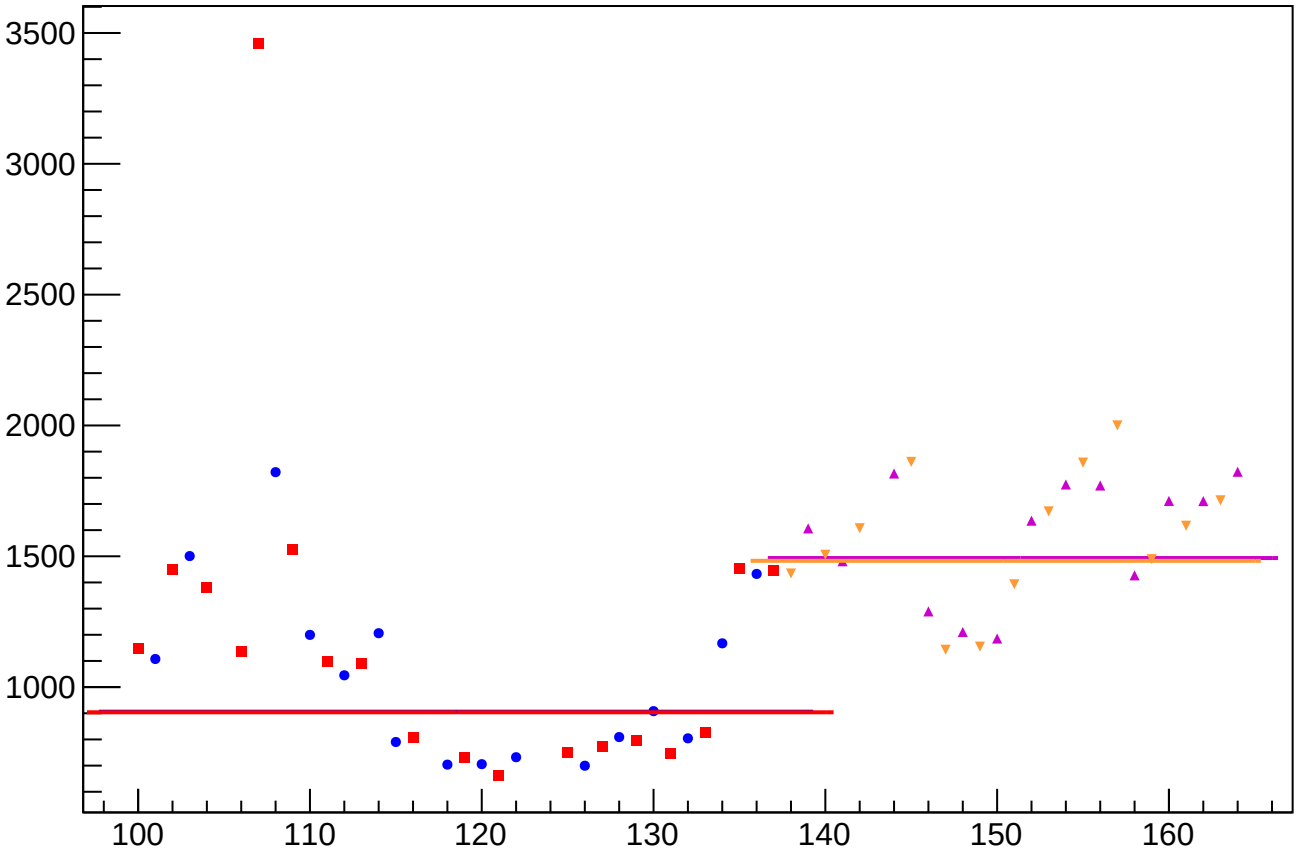
Left: -309.462+/-327.608 χ^2/NDF: 40.7/25

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

In: 102.345+/-278.715 χ^2/NDF:28.3/28

Out: -87.821+/-280.708 χ^2/NDF:59.2/30

All: 7.940+/-197.782 χ^2/NDF: 87.8/59



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1482.709+/-0.332 χ^2/NDF:600173.4/12

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1493.305+/-0.324 χ^2/NDF:514536.9/12

Left: 1488.135+/-0.232 χ^2/NDF: 1115233.1/25

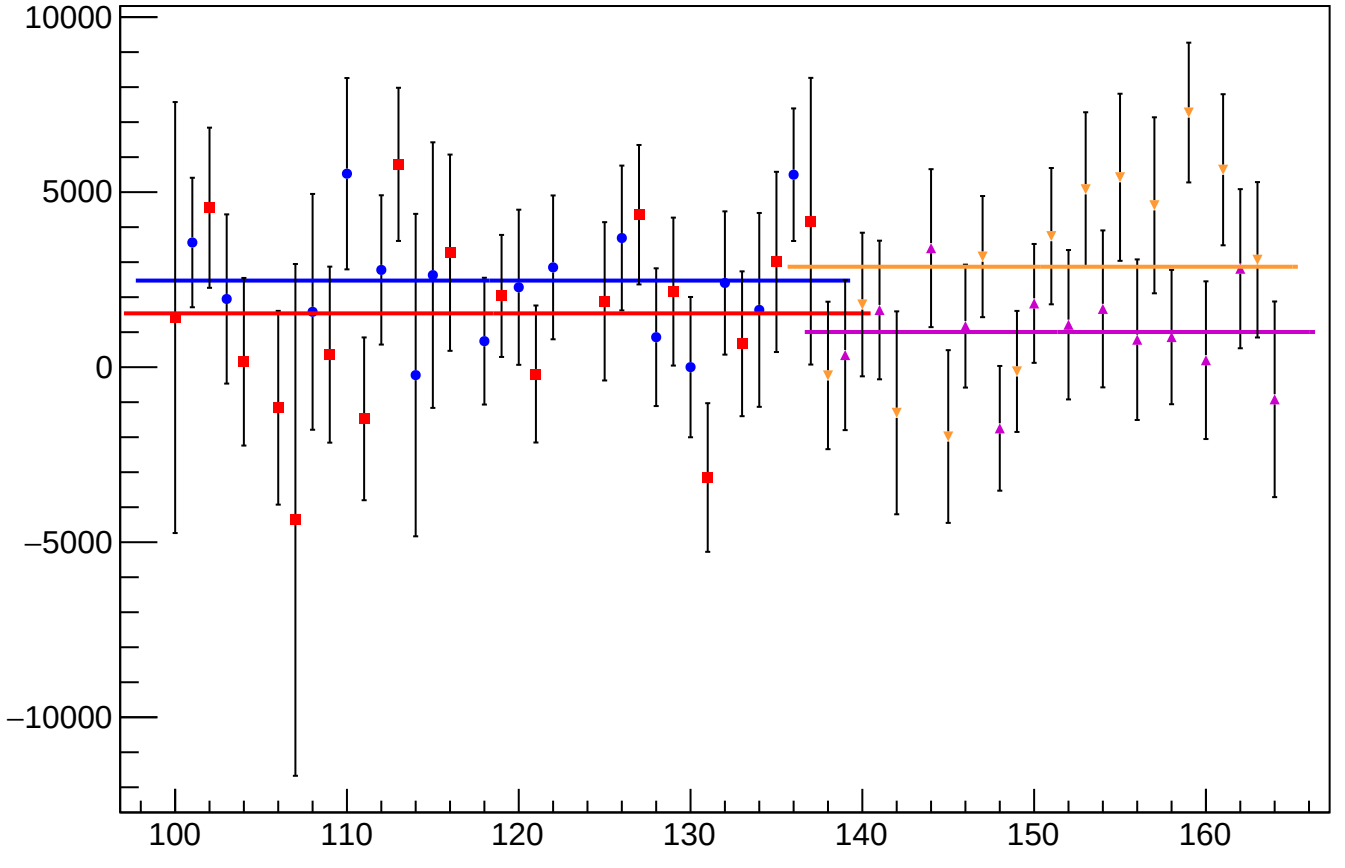
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1123.681+/-0.197 χ^2/NDF:3665185.4/28

Out: 1111.162+/-0.198 χ^2/NDF:3896142.6/30

All: 1117.466+/-0.140 χ^2/NDF: 7563331.0/59

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 2869.334+/-588.488 χ^2/NDF:20.8/12

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1005.139+/-572.193 χ^2/NDF:5.3/12

Left: 1911.071+/-410.241 χ^2/NDF: 31.2/25

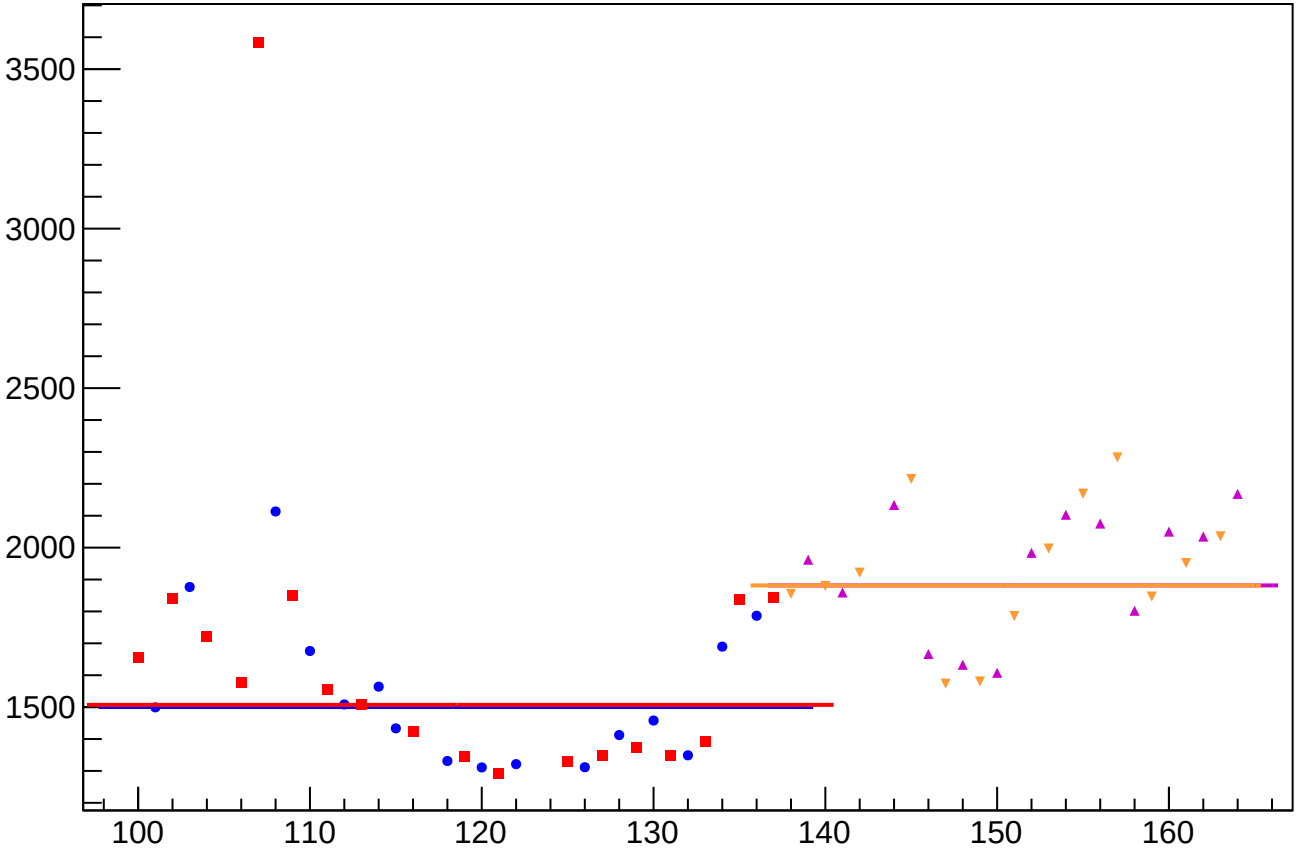
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1751.764+/-401.238 χ^2/NDF:16.9/28

Out: 2174.575+/-407.023 χ^2/NDF:42.0/30

All: 1960.143+/-285.741 χ^2/NDF: 59.4/59

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1881.399+/-0.416 χ^2/NDF:264006.4/12

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1881.527+/-0.405 χ^2/NDF:232297.5/12

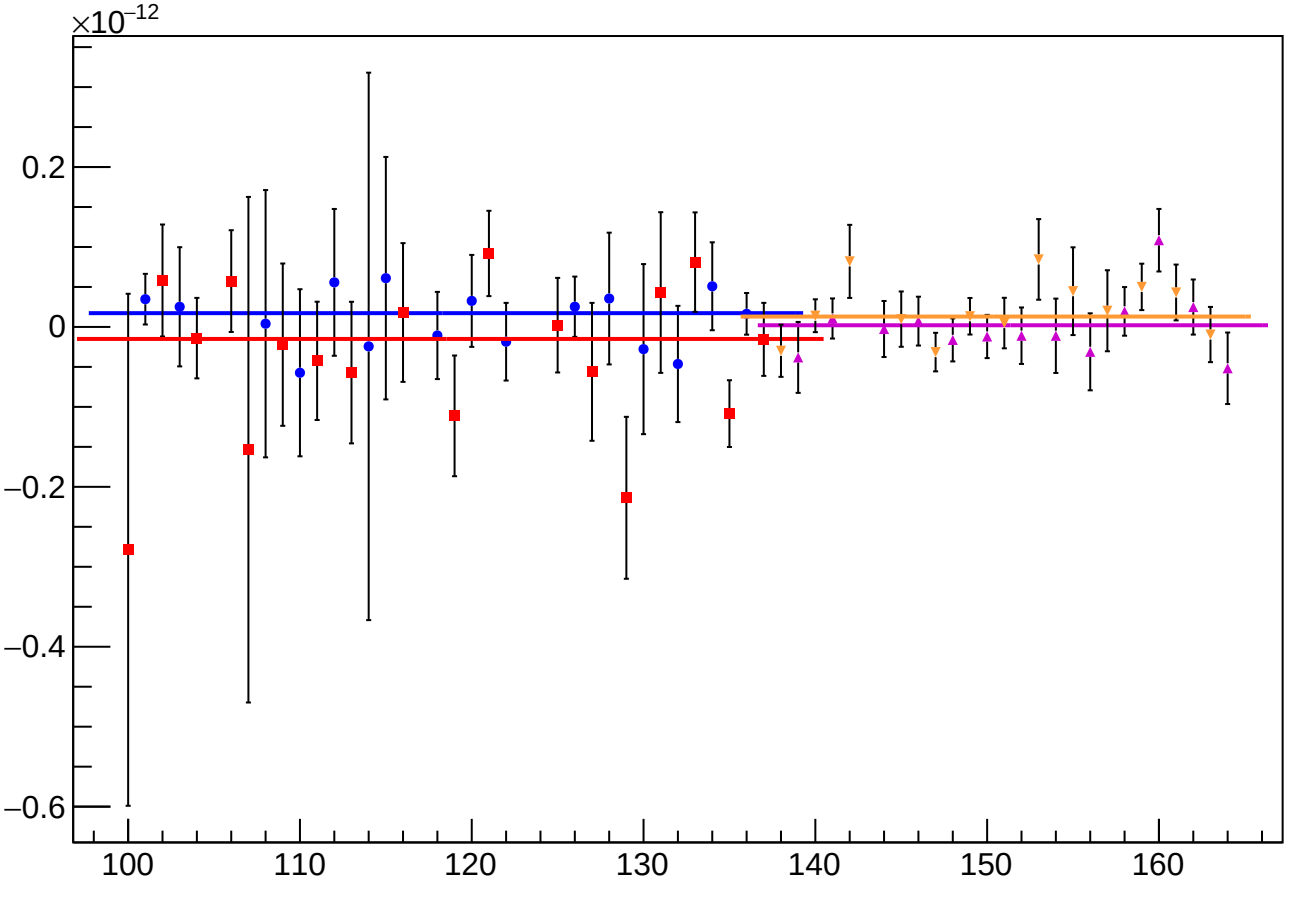
Left: 1881.465+/-0.290 χ^2/NDF: 496303.9/25

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

In: 1687.797+/-0.284 χ^2/NDF:942155.1/28

Out: 1686.152+/-0.288 χ^2/NDF:1087280.9/30

All: 1686.986+/-0.202 χ^2/NDF: 2029452.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:12.0/12

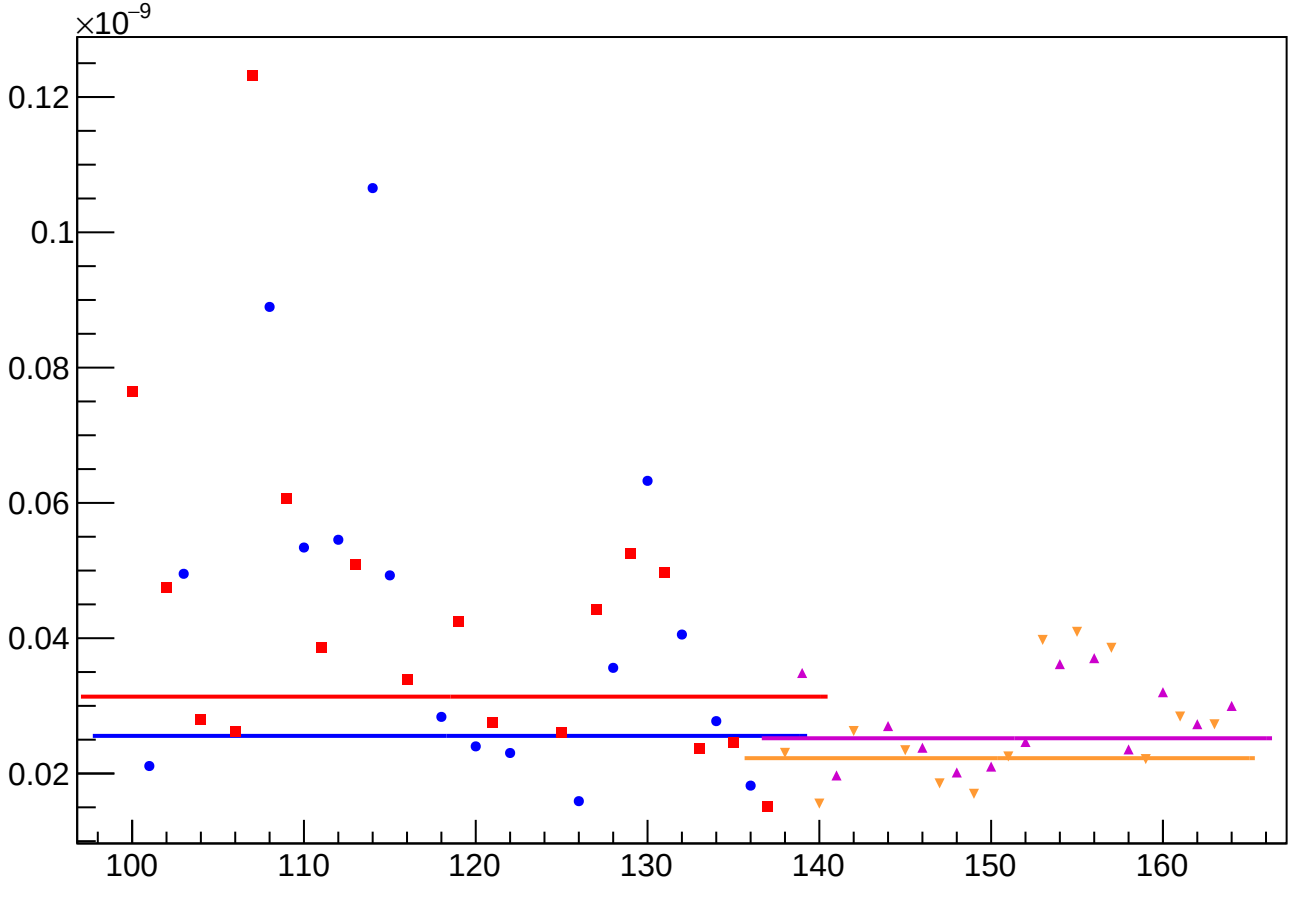
Left: 0.000+/-0.000 χ^2/NDF: 25.4/25

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:16.3/28

Out: 0.000+/-0.000 χ^2/NDF:36.3/30

All: 0.000+/-0.000 χ^2/NDF: 52.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1169674.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:647810.1/12

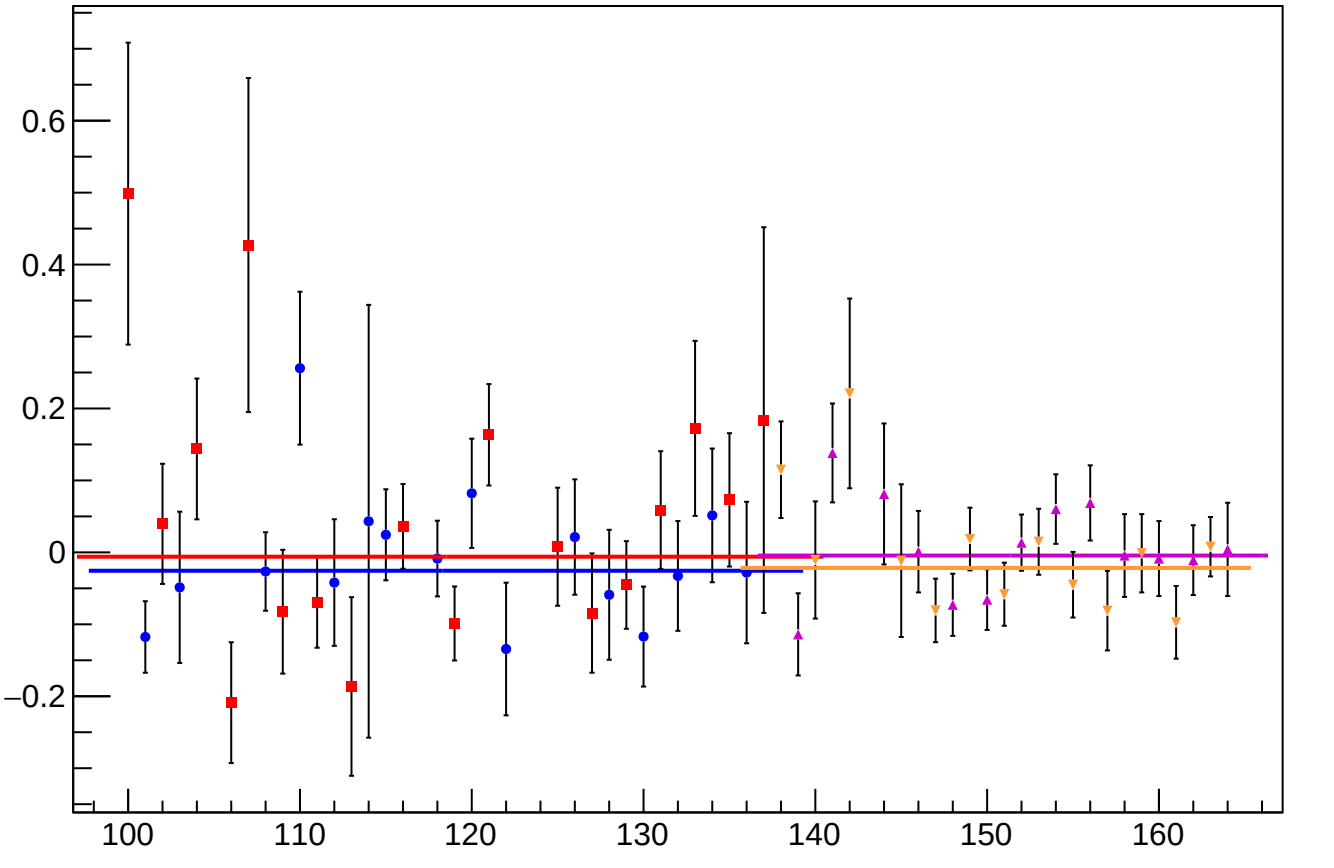
Left: 0.000+/-0.000 χ^2/NDF: 1924064.1/25

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

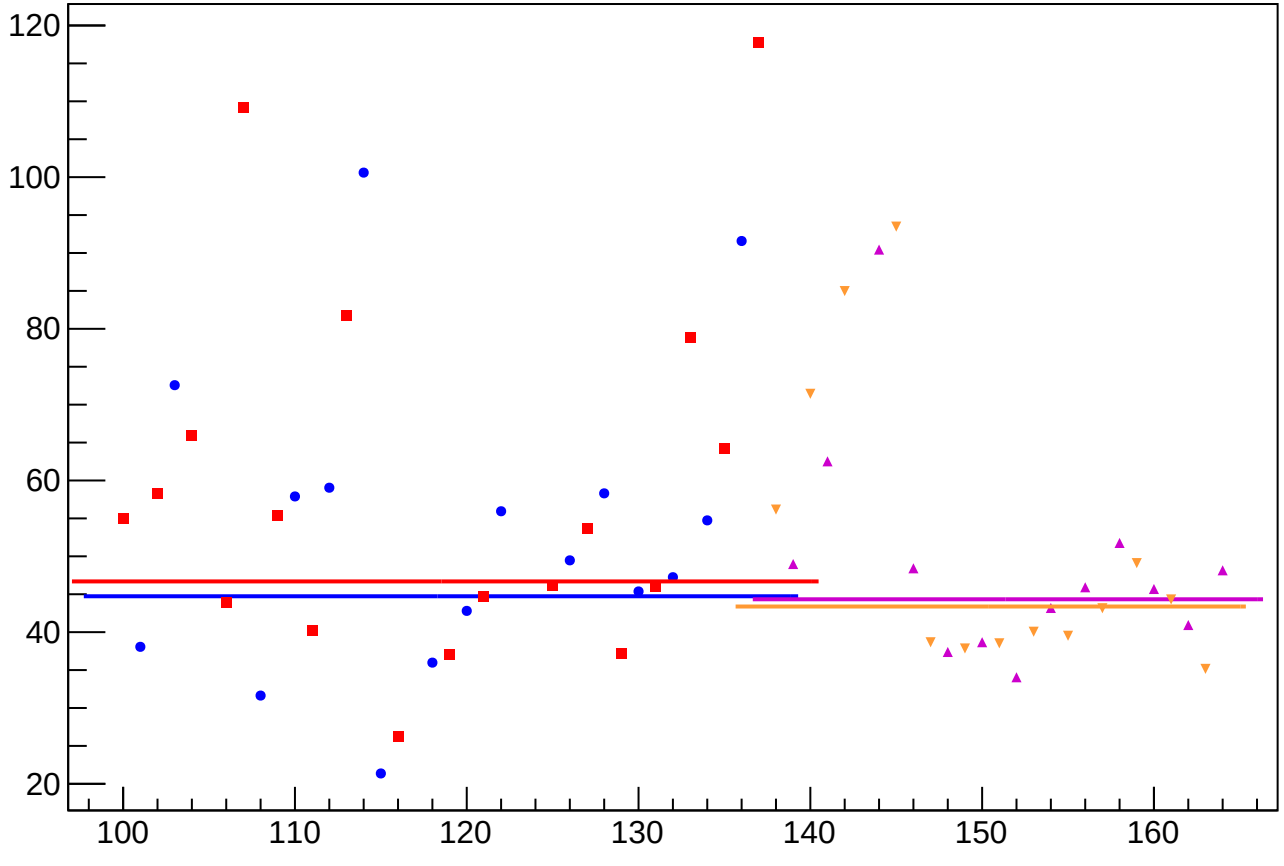
In: 0.000+/-0.000 χ^2/NDF:2356530.1/28

Out: 0.000+/-0.000 χ^2/NDF:2892155.5/30

All: 0.000+/-0.000 χ^2/NDF: 5265729.9/59


asym_usl_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
Right In: -0.026+/-0.019 χ²/NDF: 17.6/15
Left Out: -0.022+/-0.015 χ²/NDF:15.8/12
Right Out: -0.006+/-0.019 χ²/NDF: 36.5/17
Left In: -0.004+/-0.014 χ²/NDF:17.4/12
Left: -0.013+/-0.010 χ²/NDF: 33.9/25
Right: -0.016+/-0.013 χ²/NDF: 54.7/33
In: -0.012+/-0.011 χ²/NDF:35.8/28
Out: -0.016+/-0.012 χ²/NDF:52.8/30
All: -0.014+/-0.008 χ²/NDF: 88.6/59

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: 43.381+/-0.010 χ^2/NDF:1160671.3/12

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 44.335+/-0.010 χ^2/NDF:887519.3/12

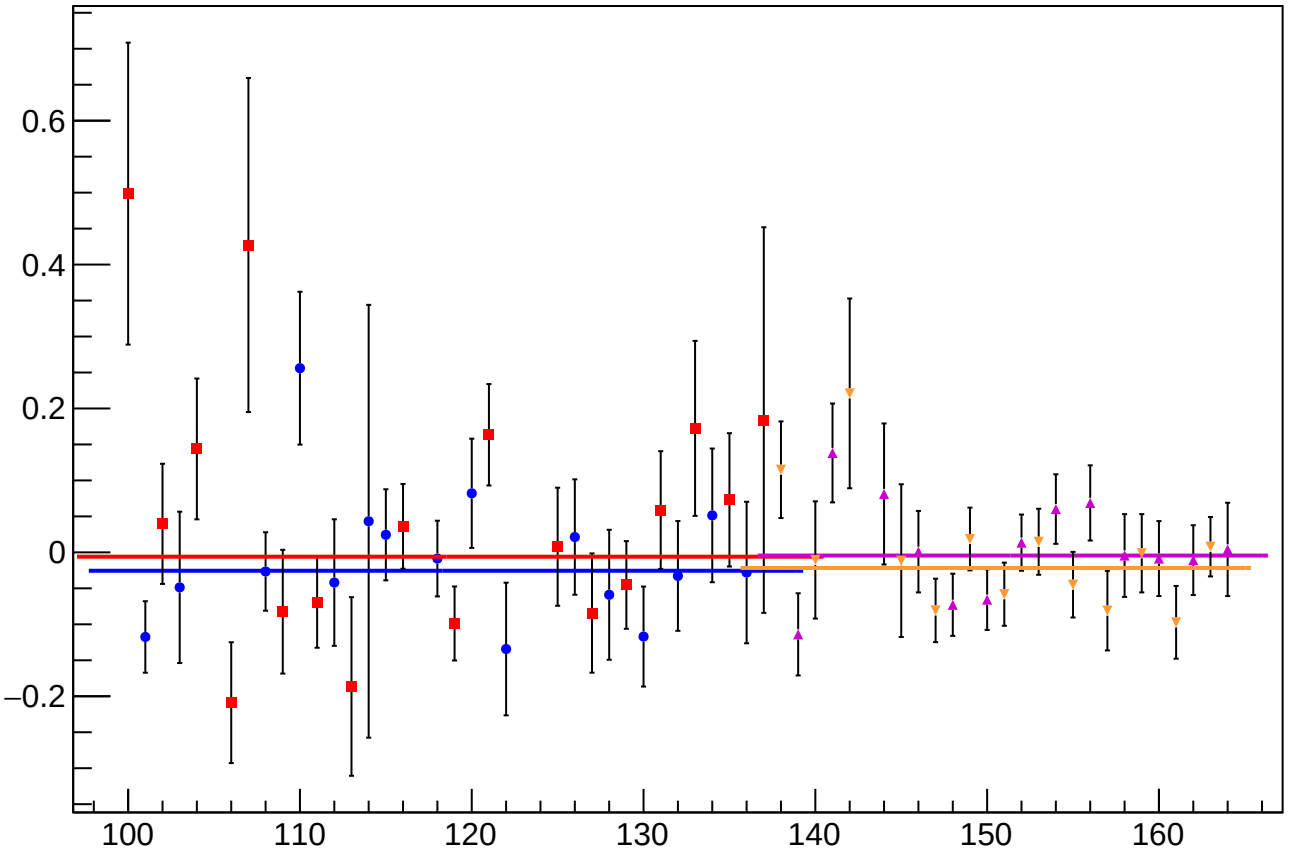
Left: 43.865+/-0.007 χ^2/NDF: 2052508.7/25

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

In: 44.483+/-0.008 χ^2/NDF:2222626.8/28

Out: 44.581+/-0.008 χ^2/NDF:2393268.5/30

All: 44.531+/-0.006 χ^2/NDF: 4615967.1/59



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.022+/-0.015 χ^2/NDF:15.8/12

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.004+/-0.014 χ^2/NDF:17.4/12

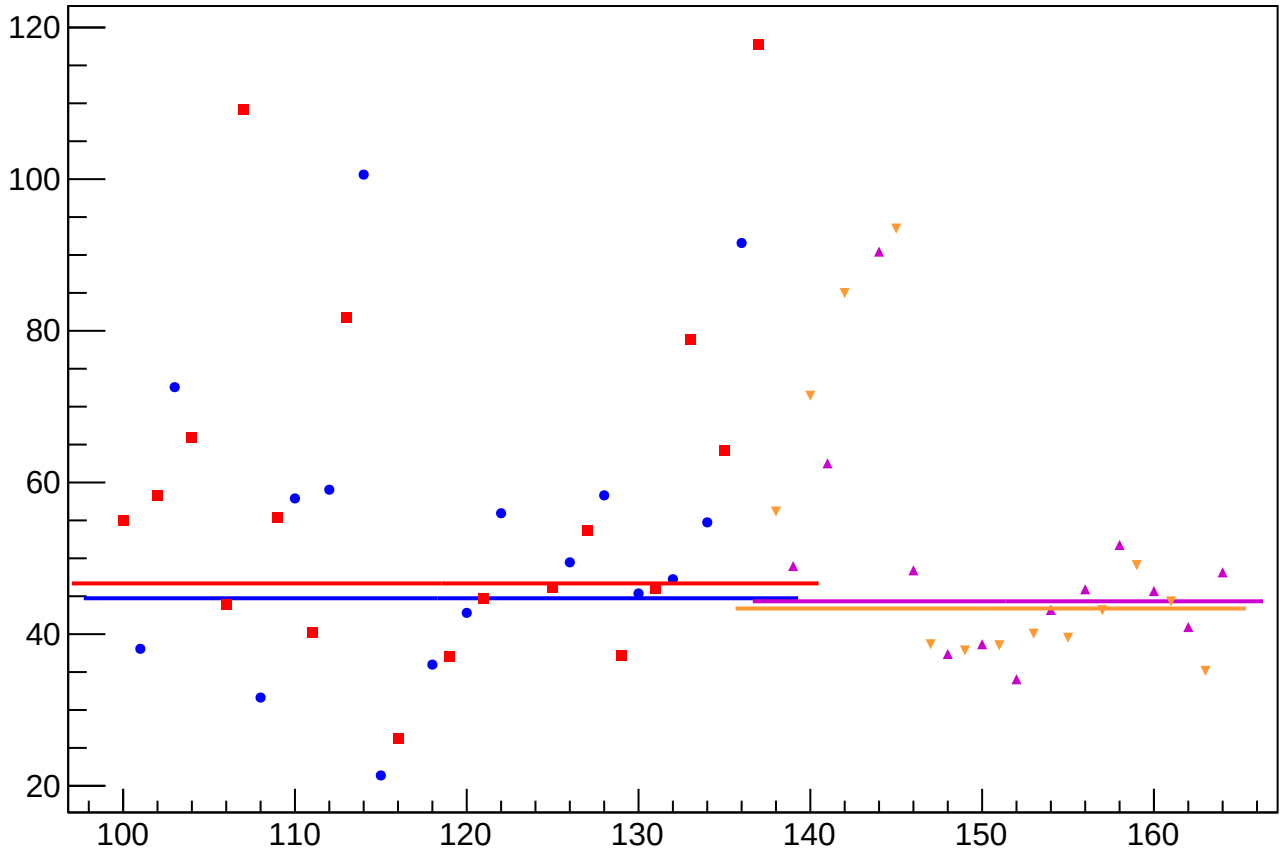
Left: -0.013+/-0.010 χ^2/NDF: 33.9/25

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

In: -0.012+/-0.011 χ^2/NDF:35.8/28

Out: -0.016+/-0.012 χ^2/NDF:52.8/30

All: -0.014+/-0.008 χ^2/NDF: 88.6/59



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 43.381+/-0.010 χ^2/NDF:1160671.3/12

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 44.335+/-0.010 χ^2/NDF:887519.3/12

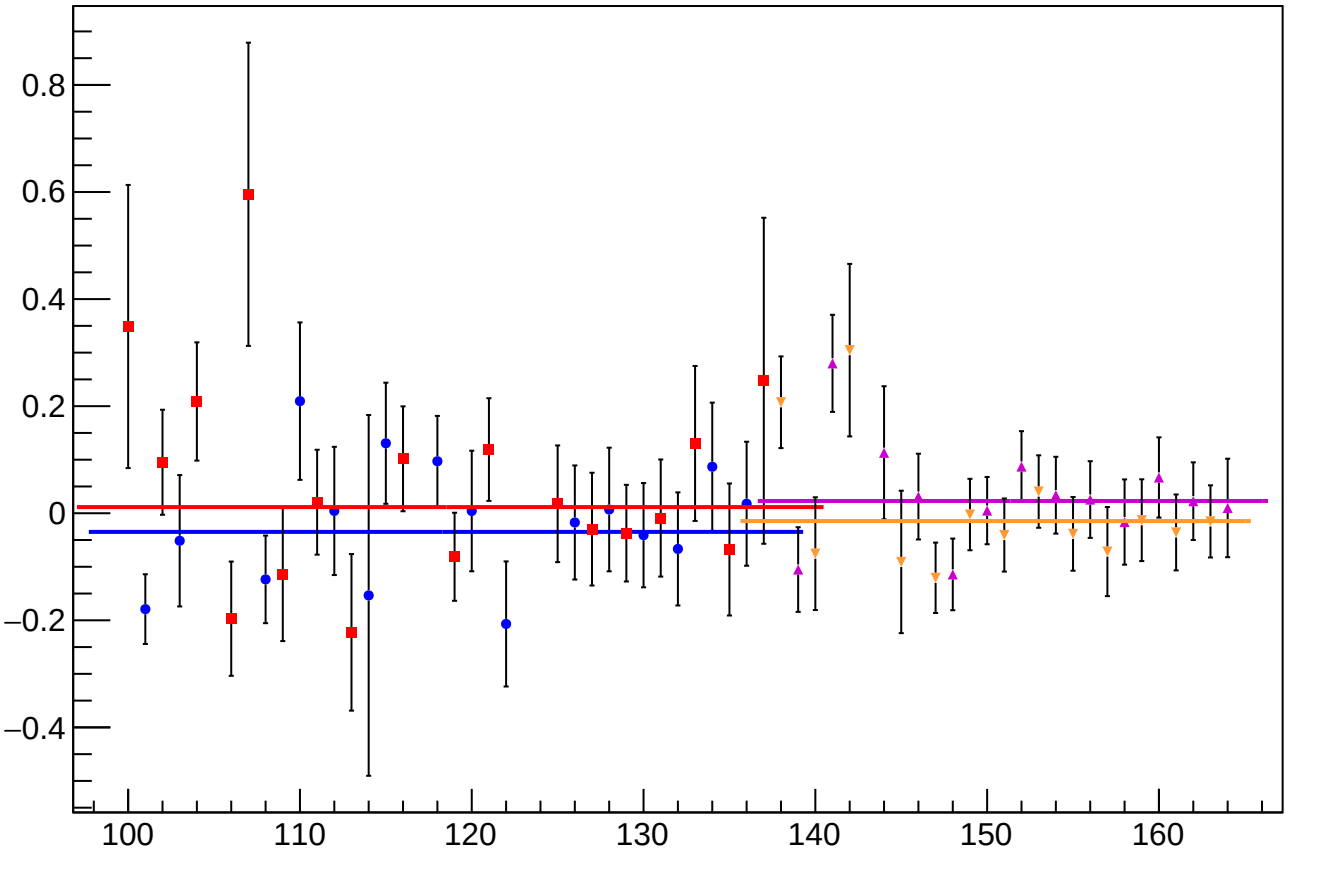
Left: 43.865+/-0.007 χ^2/NDF: 2052508.7/25

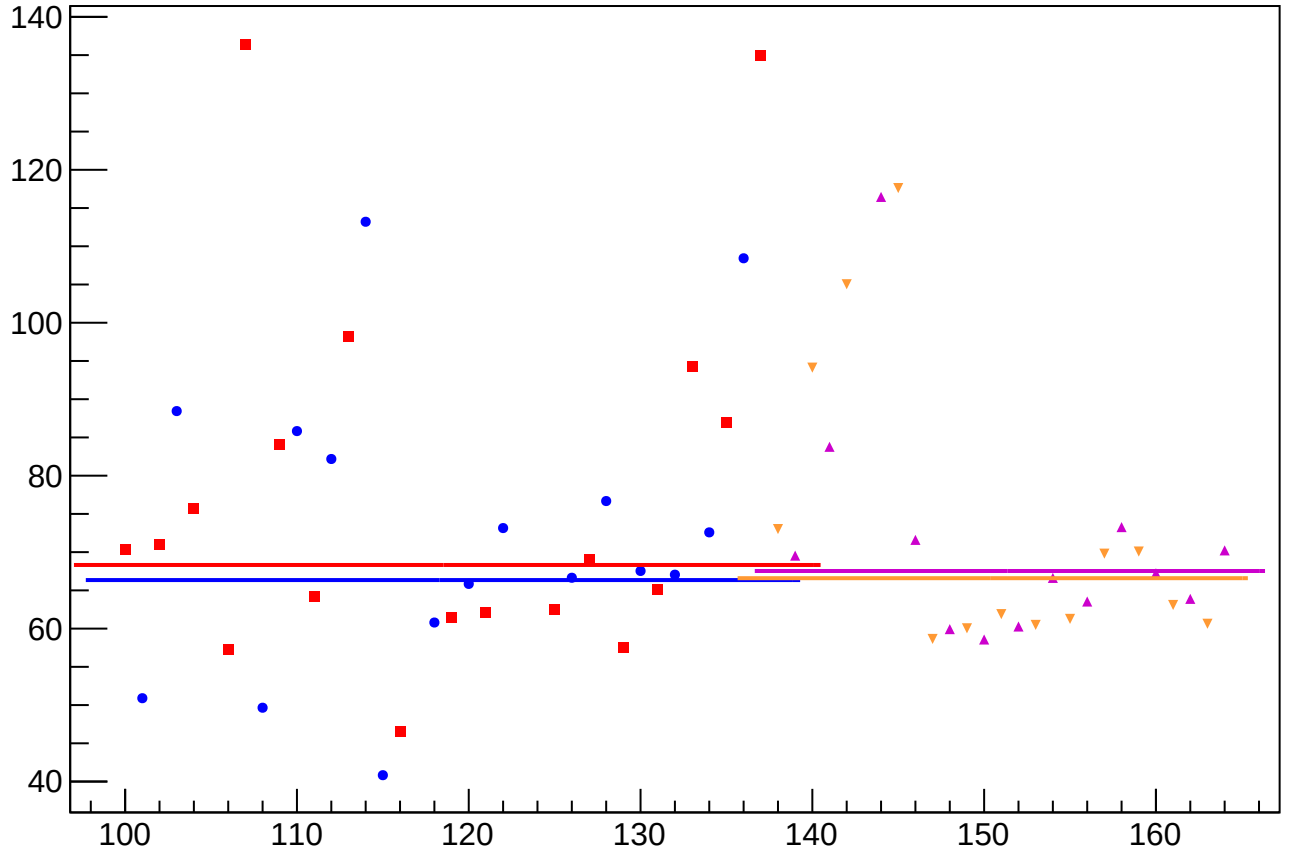
Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.483+/-0.008 χ^2/NDF:2222626.8/28

Out: 44.581+/-0.008 χ^2/NDF:2393268.5/30

All: 44.531+/-0.006 χ^2/NDF: 4615967.1/59


asym_usl_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: -0.015+/-0.022 χ²/NDF:15.4/12
Right Out: 0.012+/-0.027 χ²/NDF: 22.8/17
Left In: 0.023+/-0.021 χ²/NDF:17.1/12
Left: 0.005+/-0.015 χ²/NDF: 34.0/25
Right: -0.012+/-0.019 χ²/NDF: 41.7/33
In: 0.000+/-0.016 χ²/NDF:37.4/28
Out: -0.004+/-0.017 χ²/NDF:38.8/30
All: -0.002+/-0.012 χ²/NDF: 76.2/59



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 66.594+/-0.015 χ^2/NDF:670048.8/12

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 67.534+/-0.015 χ^2/NDF:494734.1/12

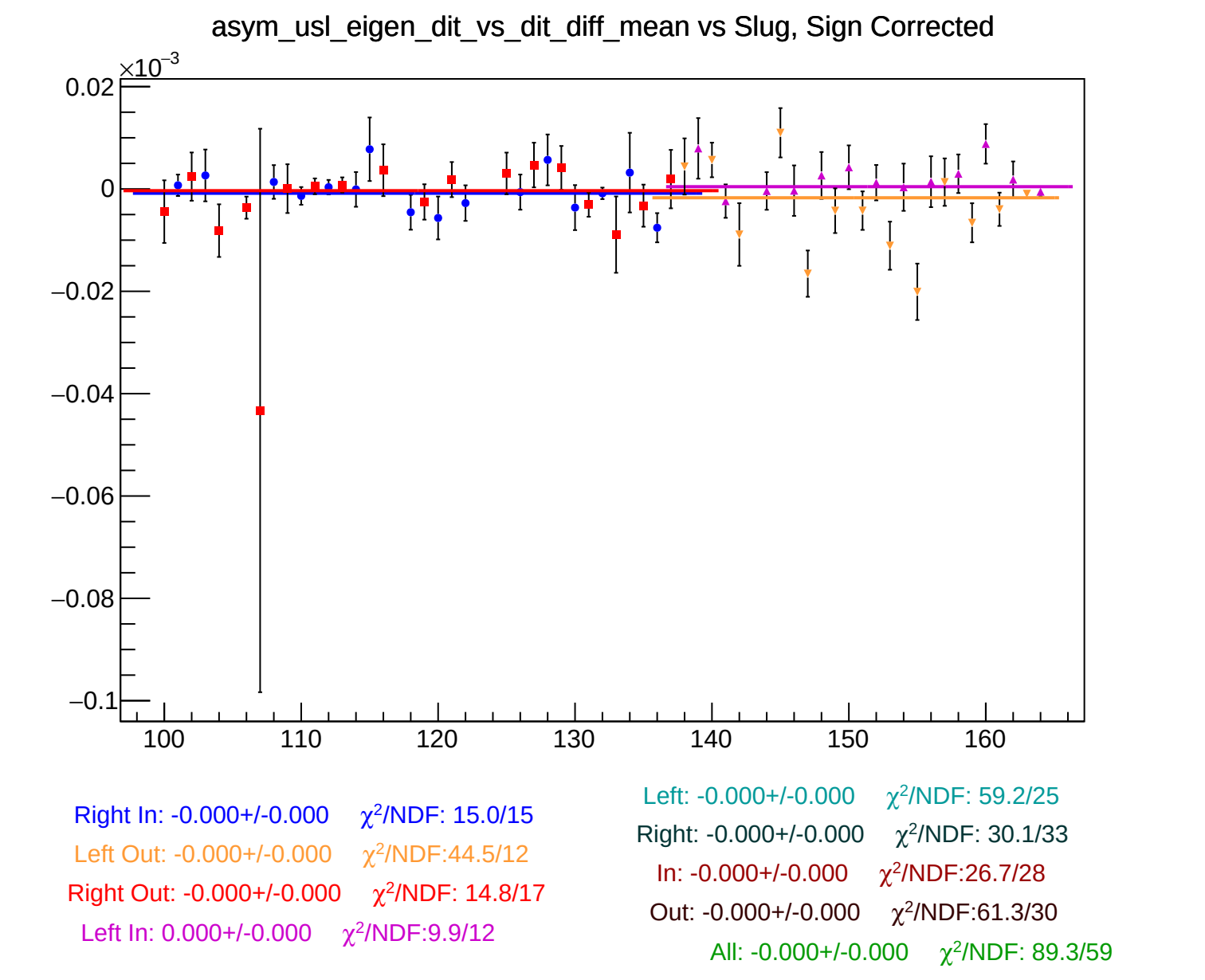
Left: 67.073+/-0.011 χ^2/NDF: 1166724.5/25

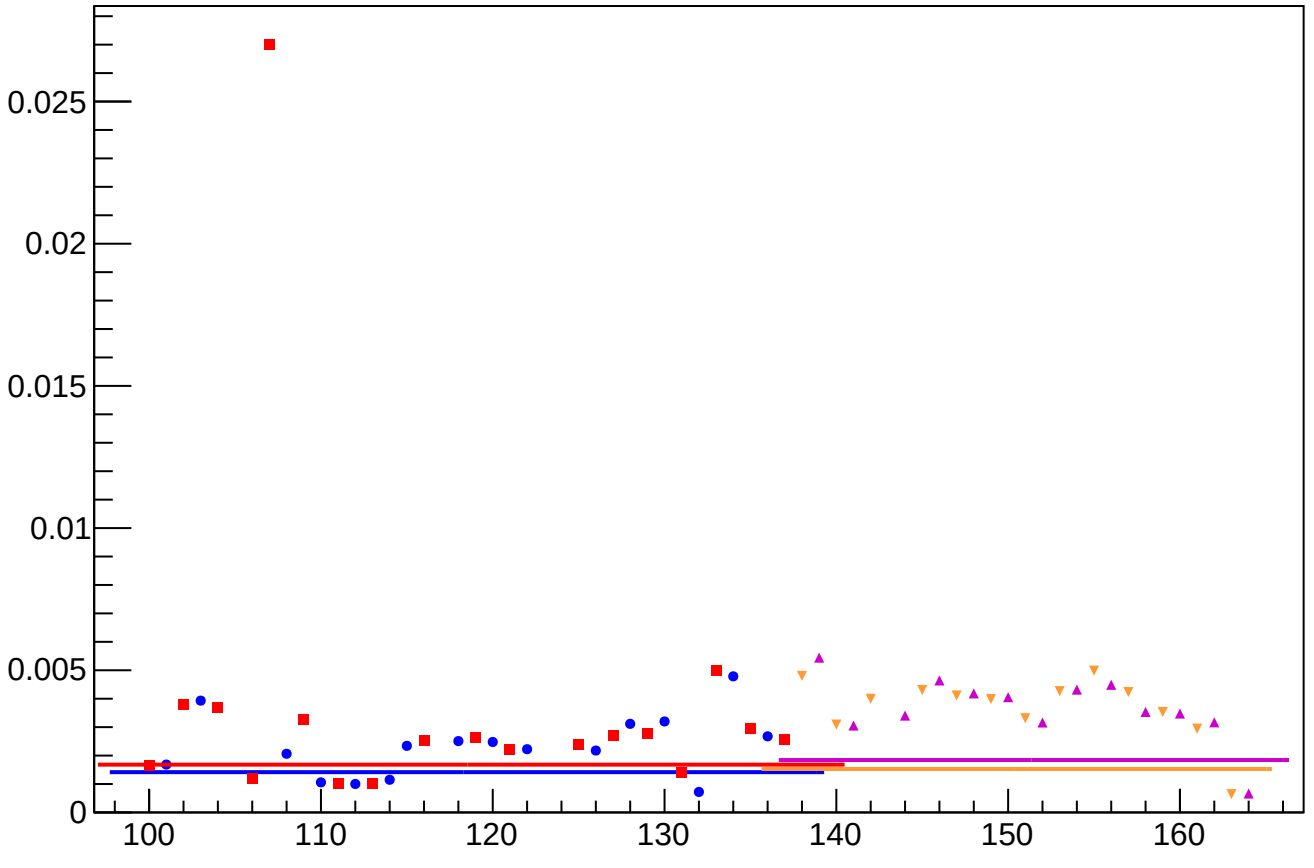
Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 67.068+/-0.012 χ^2/NDF:1269860.4/28

Out: 67.269+/-0.012 χ^2/NDF:1304748.6/30

All: 67.166+/-0.008 χ^2/NDF: 2574754.3/59


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
160
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:44.5/12
Right Out: -0.000+/-0.000 χ²/NDF: 14.8/17
Left In: 0.000+/-0.000 χ²/NDF:9.9/12
Left: -0.000+/-0.000 χ²/NDF: 59.2/25
Right: -0.000+/-0.000 χ²/NDF: 30.1/33
In: -0.000+/-0.000 χ²/NDF:26.7/28
Out: -0.000+/-0.000 χ²/NDF:61.3/30
All: -0.000+/-0.000 χ²/NDF: 89.3/59



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:9502749.1/12

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.002+/-0.000 χ^2/NDF:8726647.3/12

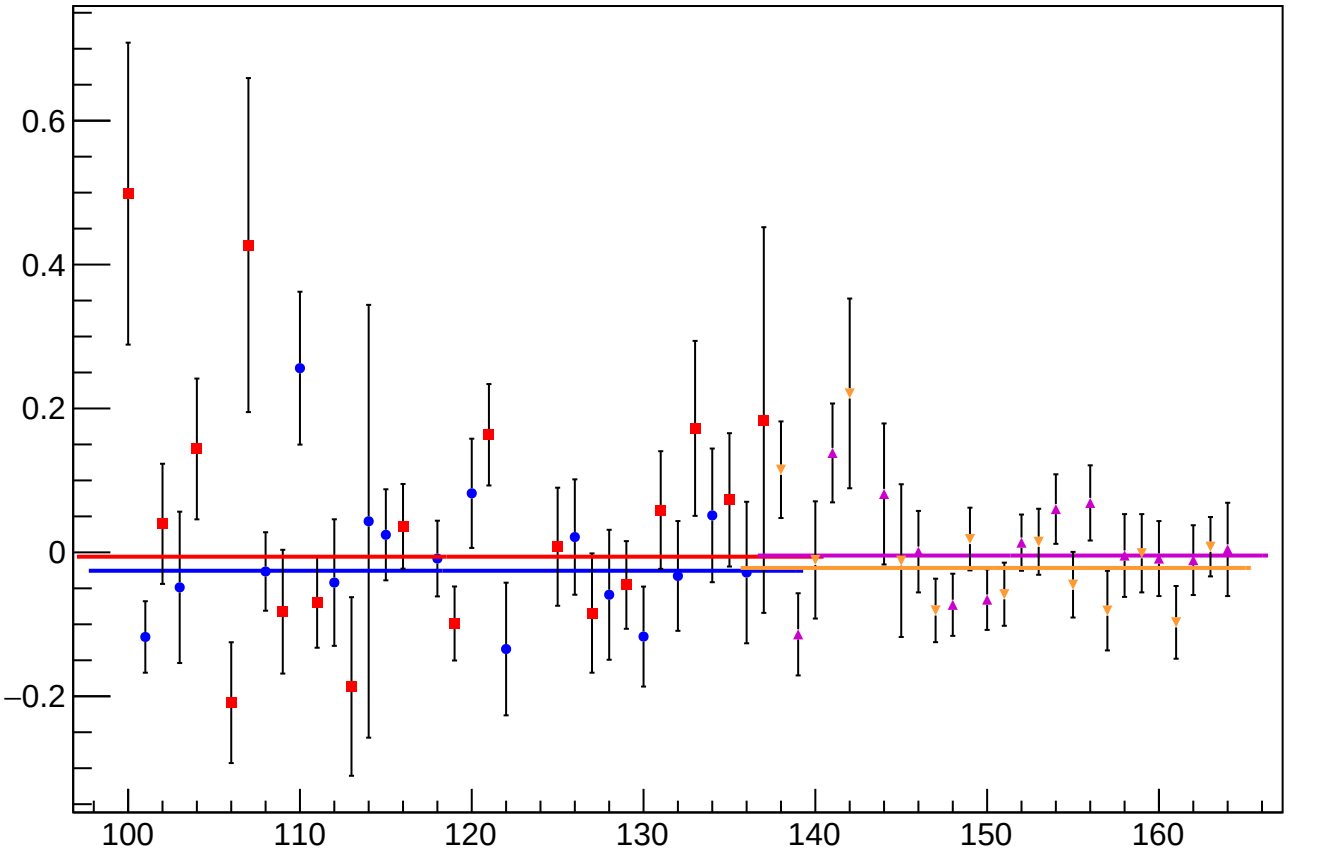
Left: 0.002+/-0.000 χ^2/NDF: 18433206.4/25

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

In: 0.002+/-0.000 χ^2/NDF:12672688.9/28

Out: 0.002+/-0.000 χ^2/NDF:12978009.4/30

All: 0.002+/-0.000 χ^2/NDF: 25650767.6/59



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.022+/-0.015 χ^2/NDF:15.8/12

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.004+/-0.014 χ^2/NDF:17.4/12

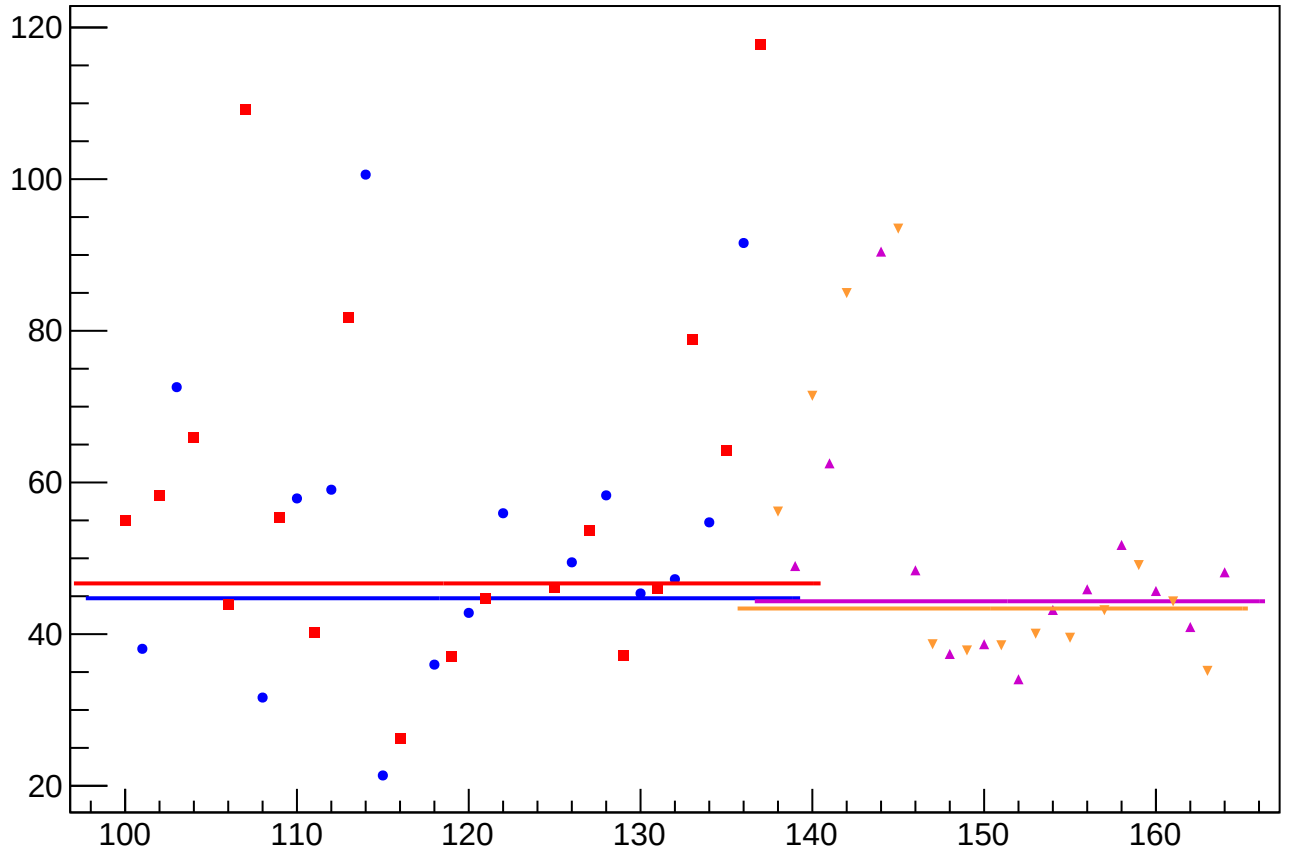
Left: -0.013+/-0.010 χ^2/NDF: 33.9/25

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

In: -0.012+/-0.011 χ^2/NDF:35.8/28

Out: -0.016+/-0.012 χ^2/NDF:52.8/30

All: -0.014+/-0.008 χ^2/NDF: 88.6/59



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 43.382+/-0.010 χ^2/NDF:1160643.0/12

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.335+/-0.010 χ^2/NDF:887498.0/12

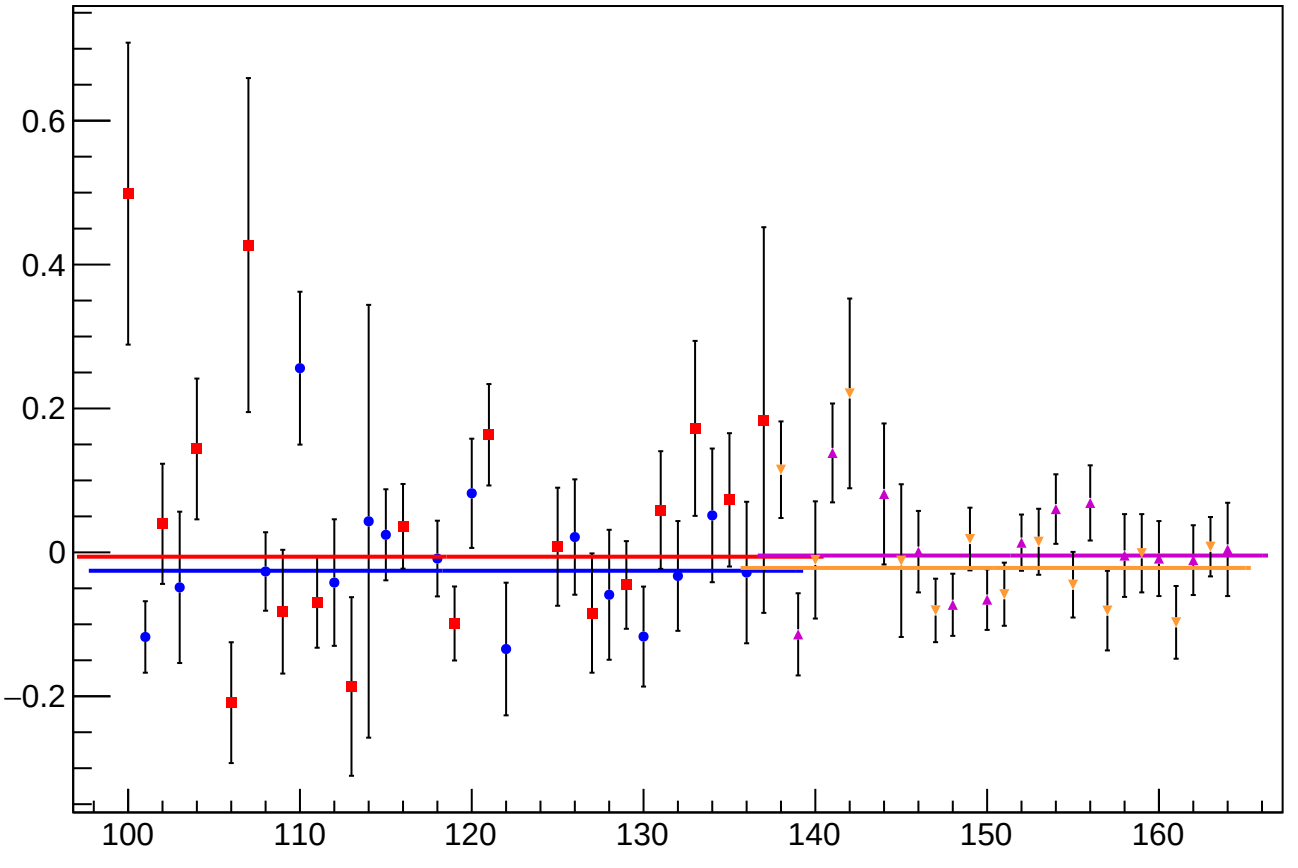
Left: 43.866+/-0.007 χ^2/NDF: 2052459.2/25

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

In: 44.483+/-0.008 χ^2/NDF:2222664.2/28

Out: 44.581+/-0.008 χ^2/NDF:2393253.9/30

All: 44.531+/-0.006 χ^2/NDF: 4615990.0/59



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.022+/-0.015 χ^2/NDF:15.8/12

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.004+/-0.014 χ^2/NDF:17.4/12

Left: -0.013+/-0.010 χ^2/NDF: 33.9/25

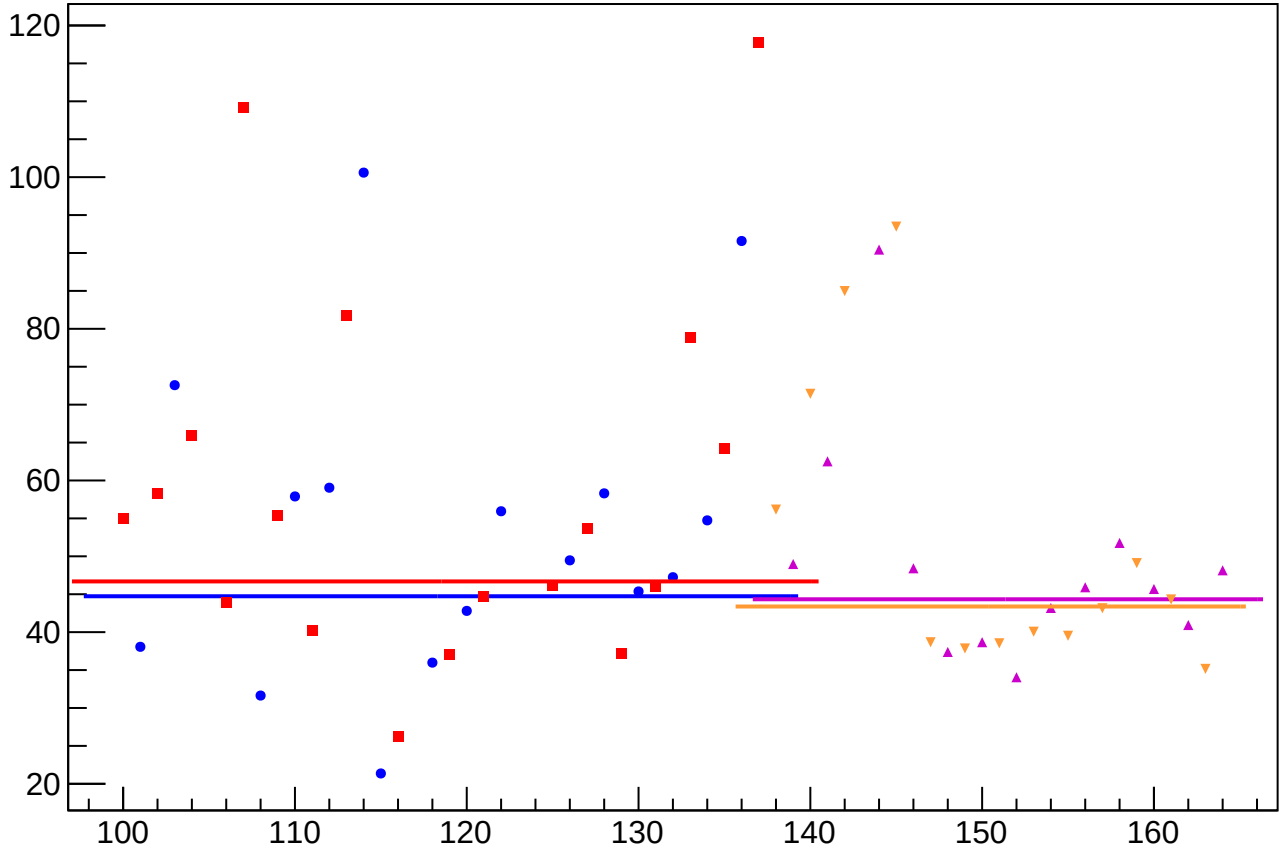
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.012+/-0.011 χ^2/NDF:35.8/28

Out: -0.016+/-0.012 χ^2/NDF:52.8/30

All: -0.014+/-0.008 χ^2/NDF: 88.6/59

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 43.382+/-0.010 χ^2/NDF:1160643.0/12

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.335+/-0.010 χ^2/NDF:887498.0/12

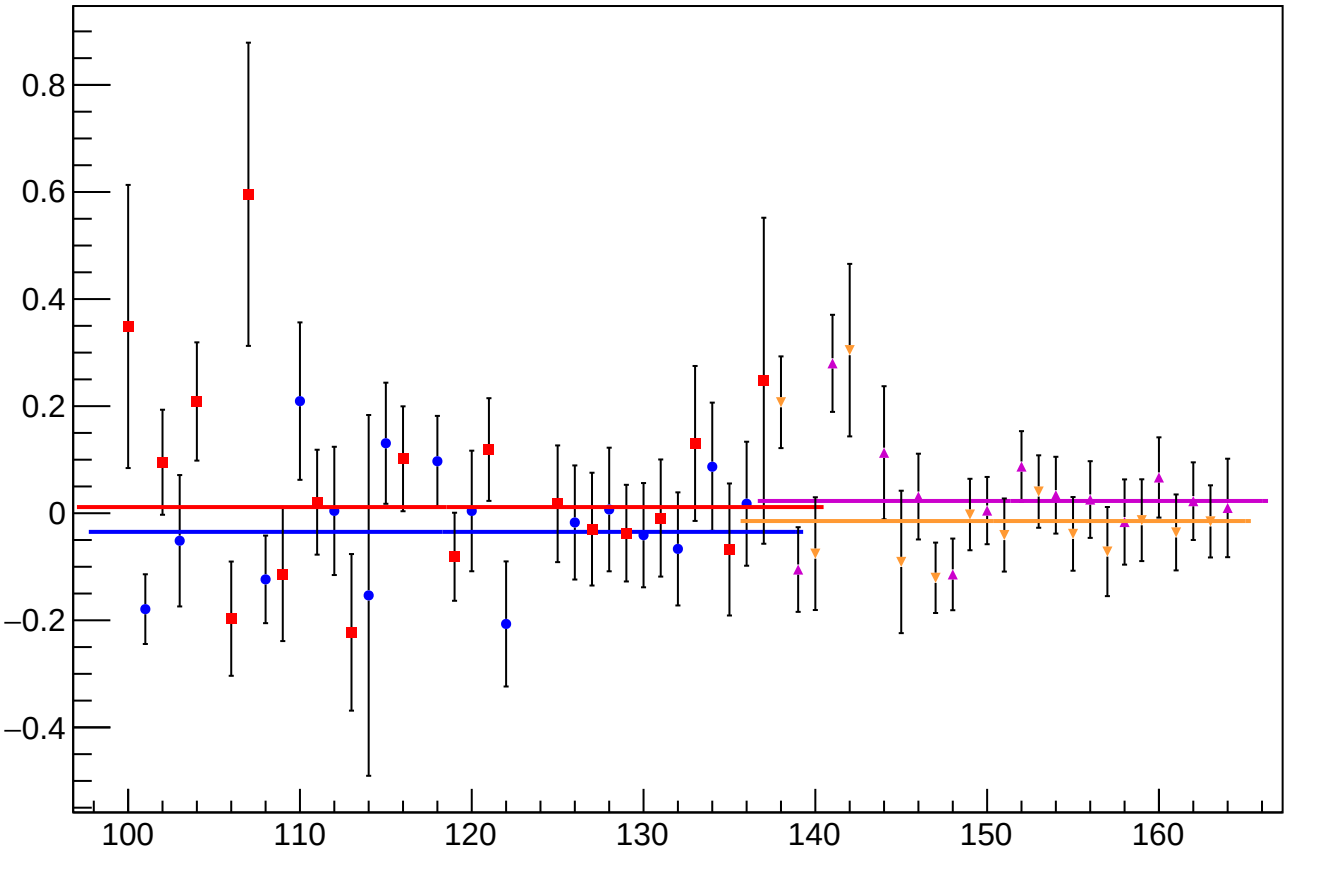
Left: 43.866+/-0.007 χ^2/NDF: 2052459.2/25

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

In: 44.483+/-0.008 χ^2/NDF:2222664.2/28

Out: 44.581+/-0.008 χ^2/NDF:2393253.9/30

All: 44.531+/-0.006 χ^2/NDF: 4615990.0/59



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.015+/-0.022 χ^2/NDF:15.4/12

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.023+/-0.021 χ^2/NDF:17.1/12

Left: 0.005+/-0.015 χ^2/NDF: 34.0/25

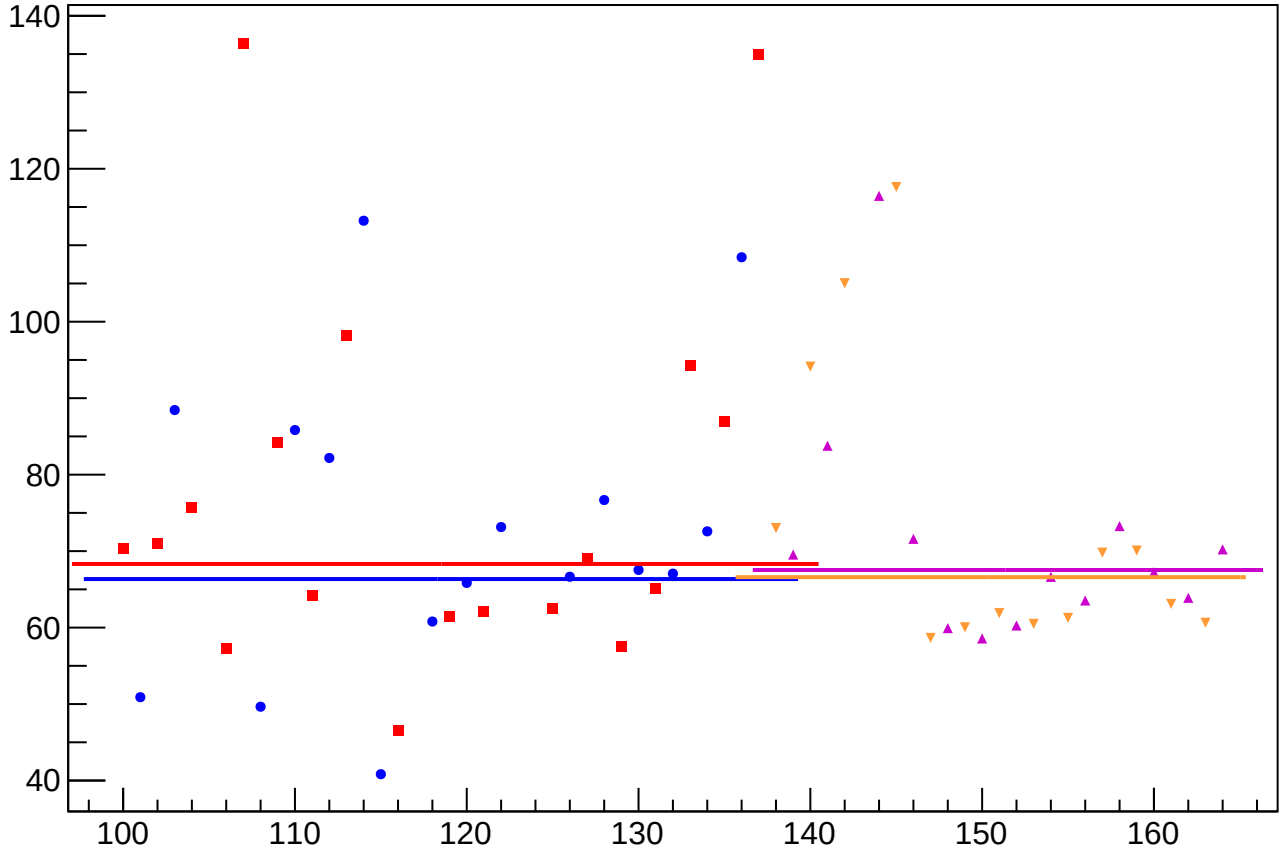
Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: 0.000+/-0.016 χ^2/NDF:37.4/28

Out: -0.004+/-0.017 χ^2/NDF:38.8/30

All: -0.002+/-0.012 χ^2/NDF: 76.2/59

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: 66.594+/-0.015 χ^2/NDF:670036.3/12

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 67.534+/-0.015 χ^2/NDF:494726.2/12

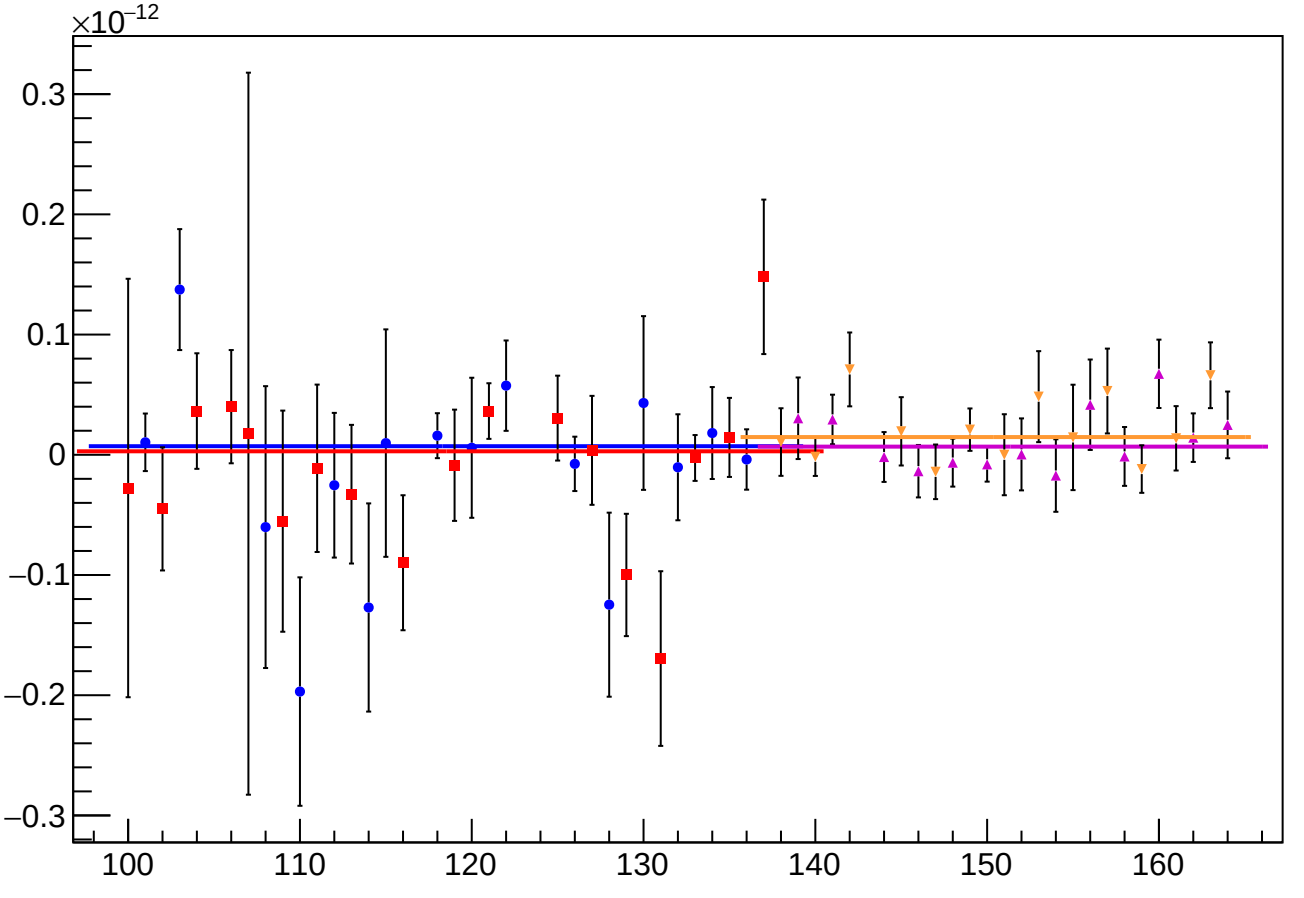
Left: 67.073+/-0.011 χ^2/NDF: 1166704.1/25

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

In: 67.068+/-0.012 χ^2/NDF:1269862.4/28

Out: 67.269+/-0.012 χ^2/NDF:1304726.9/30

All: 67.166+/-0.008 χ^2/NDF: 2574734.4/59



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

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/12

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

Left In: 0.000+/-0.000 χ^2/NDF:11.0/12

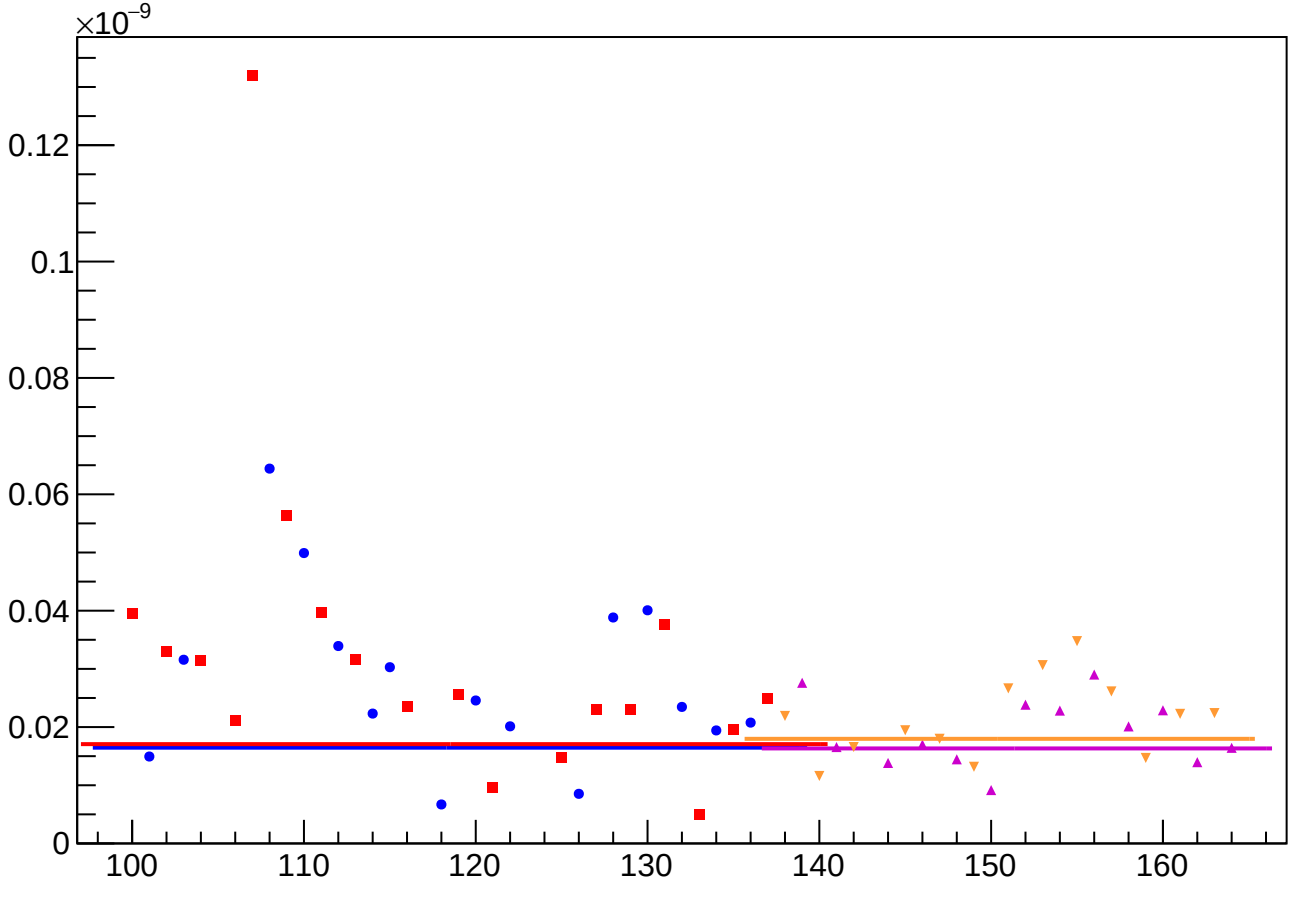
Left: 0.000+/-0.000 χ^2/NDF: 25.4/25

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:31.4/28

Out: 0.000+/-0.000 χ^2/NDF:38.0/30

All: 0.000+/-0.000 χ^2/NDF: 69.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1432643.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1392768.9/12

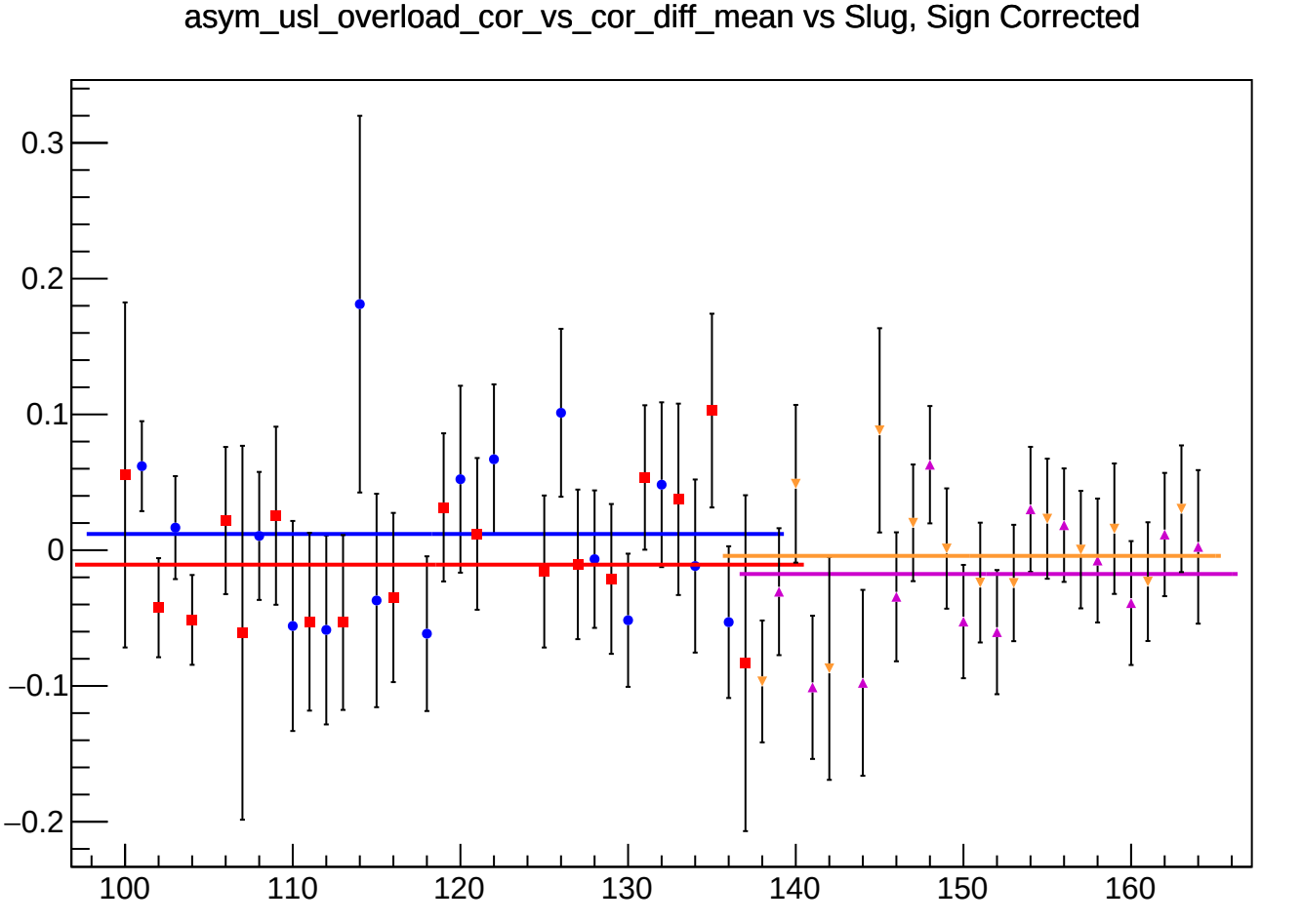
Left: 0.000+/-0.000 χ^2/NDF: 2886901.8/25

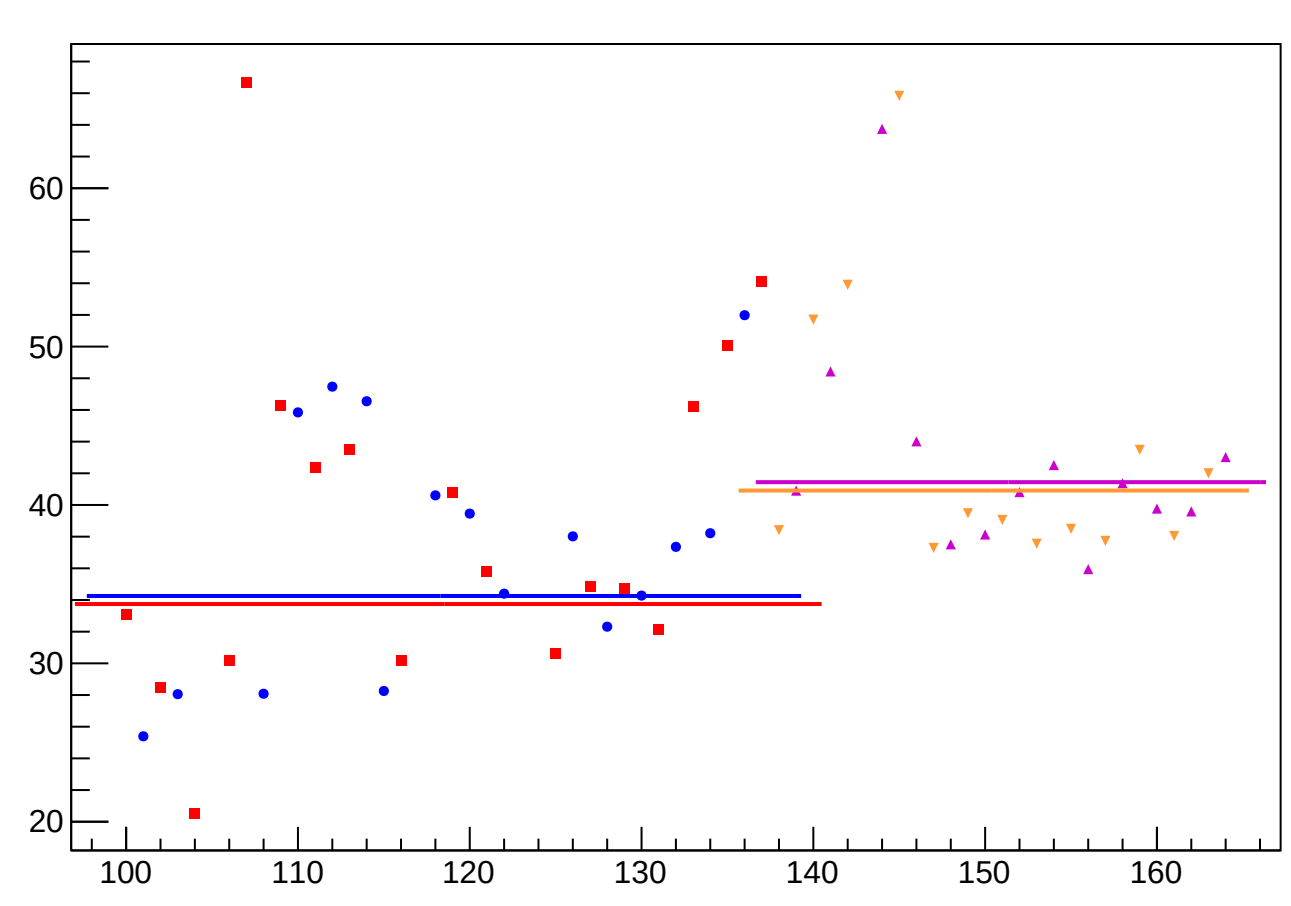
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:3738937.9/28

Out: 0.000+/-0.000 χ^2/NDF:4235511.3/30

All: 0.000+/-0.000 χ^2/NDF: 8031687.2/59


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
160
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.004+/-0.013 χ²/NDF:9.7/12
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.018+/-0.013 χ²/NDF:11.7/12
Left: -0.011+/-0.009 χ²/NDF: 21.9/25
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.003+/-0.009 χ²/NDF:28.9/28
Out: -0.007+/-0.009 χ²/NDF:19.7/30
All: -0.005+/-0.007 χ²/NDF: 48.7/59



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

Left Out: 40.910+/-0.009 χ^2/NDF:409052.3/12

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

Left In: 41.441+/-0.009 χ^2/NDF:326188.8/12

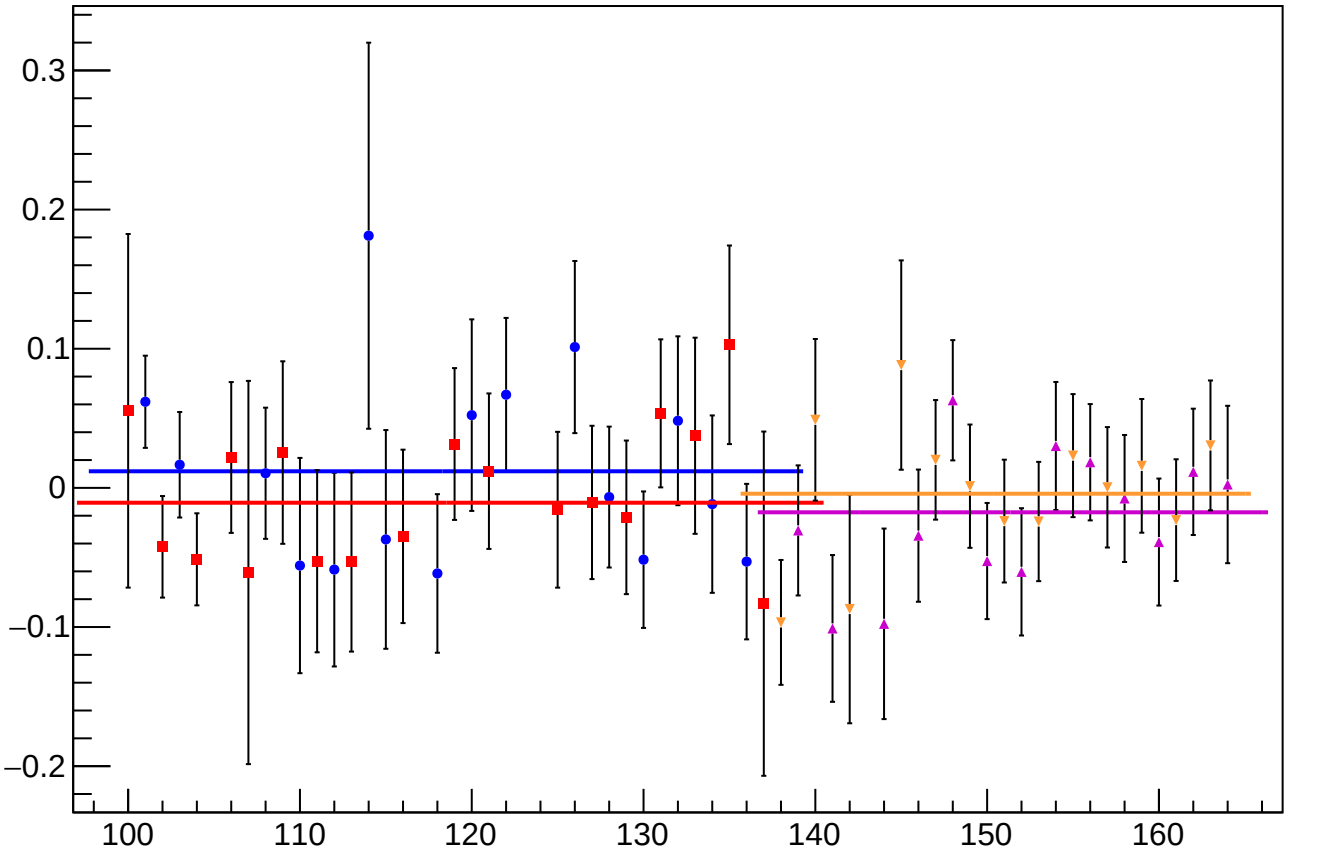
Left: 41.180+/-0.007 χ^2/NDF: 736866.5/25

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

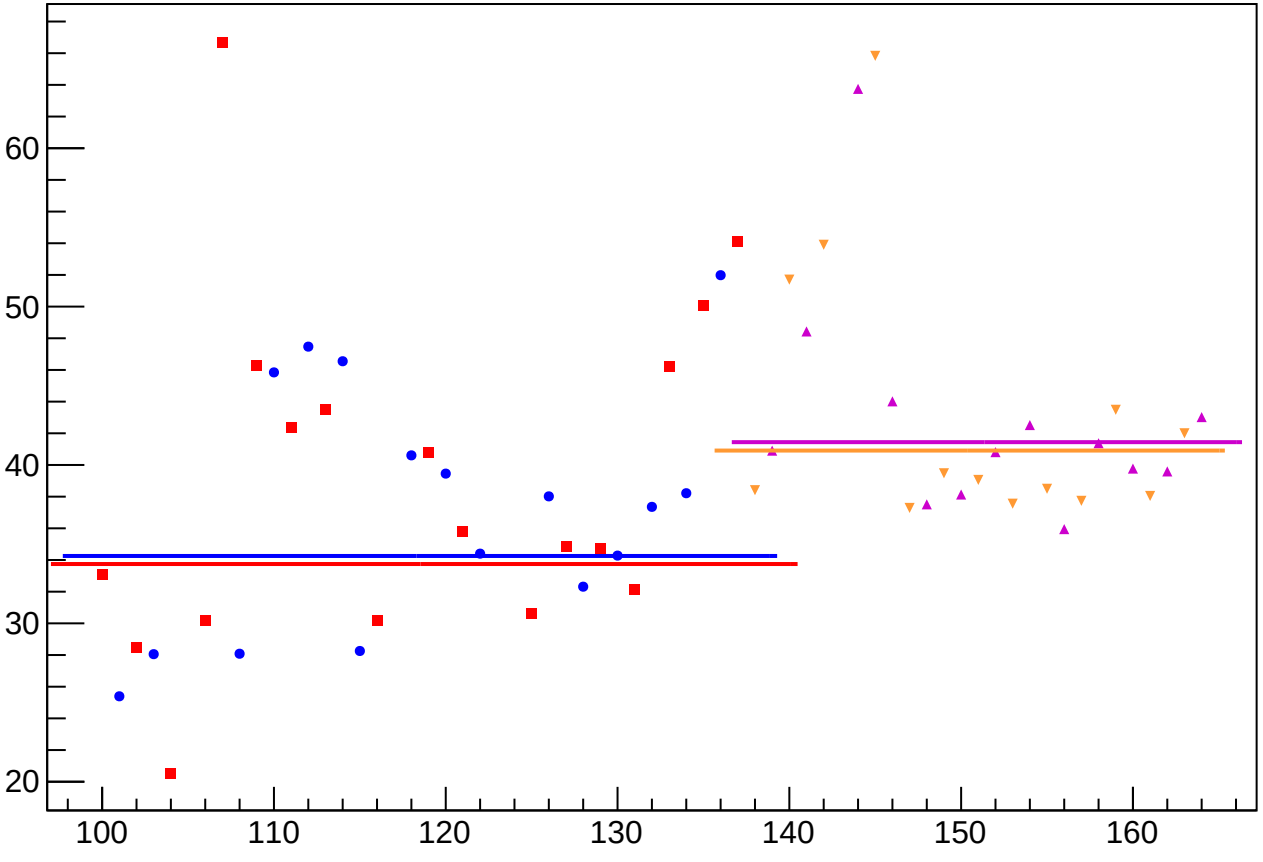
In: 37.997+/-0.007 χ^2/NDF:1252465.7/28

Out: 37.377+/-0.007 χ^2/NDF:1608941.0/30

All: 37.688+/-0.005 χ^2/NDF: 2865720.3/59


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
160
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.004+/-0.013 χ²/NDF:9.7/12
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.018+/-0.013 χ²/NDF:11.7/12
Left: -0.011+/-0.009 χ²/NDF: 21.9/25
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.003+/-0.009 χ²/NDF:28.9/28
Out: -0.007+/-0.009 χ²/NDF:19.7/30
All: -0.005+/-0.007 χ²/NDF: 48.7/59

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: 40.910+/-0.009 χ^2/NDF:409052.3/12

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

Left In: 41.441+/-0.009 χ^2/NDF:326188.8/12

Left: 41.180+/-0.007 χ^2/NDF: 736866.5/25

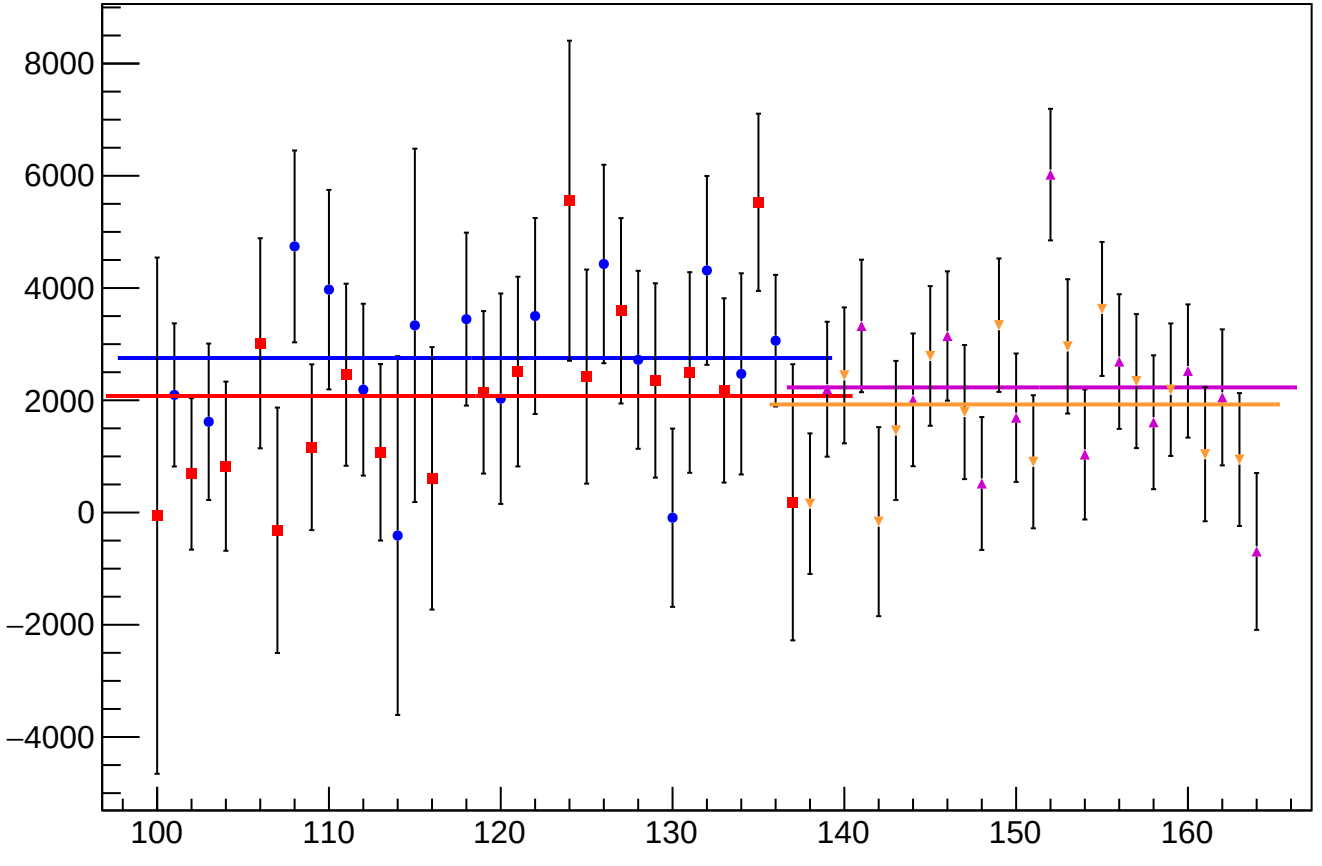
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.997+/-0.007 χ^2/NDF:1252465.7/28

Out: 37.377+/-0.007 χ^2/NDF:1608941.0/30

All: 37.688+/-0.005 χ^2/NDF: 2865720.3/59

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1925.833+/-327.561 χ^2/NDF:10.7/13

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2229.906+/-330.985 χ^2/NDF:20.2/12

Left: 2076.289+/-232.822 χ^2/NDF: 31.4/26

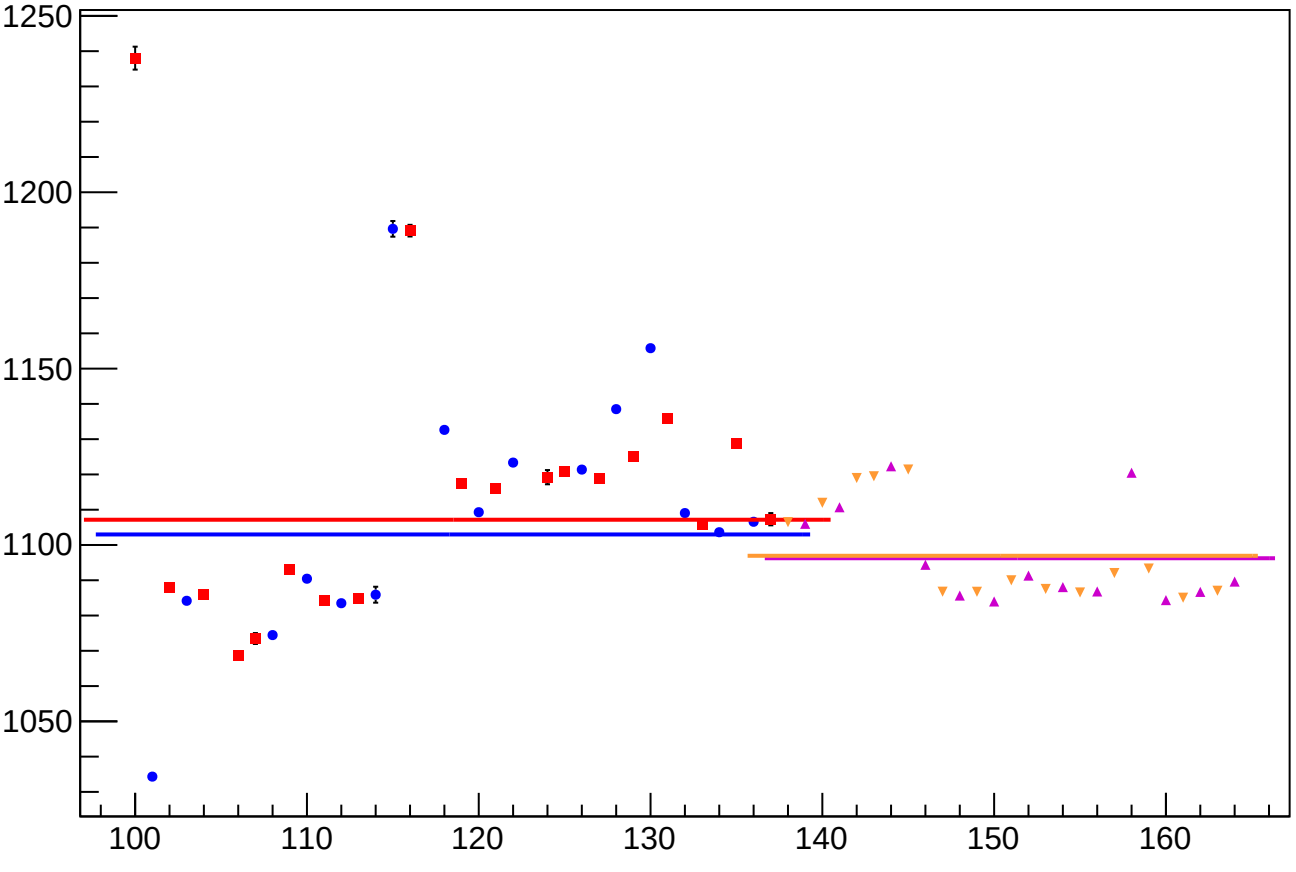
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2436.447+/-257.498 χ^2/NDF:30.7/28

Out: 1985.619+/-254.386 χ^2/NDF:23.3/32

All: 2208.292+/-180.968 χ^2/NDF: 55.6/61

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.940+/-0.232 χ^2/NDF:3227.7/13

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.241+/-0.234 χ^2/NDF:3251.2/12

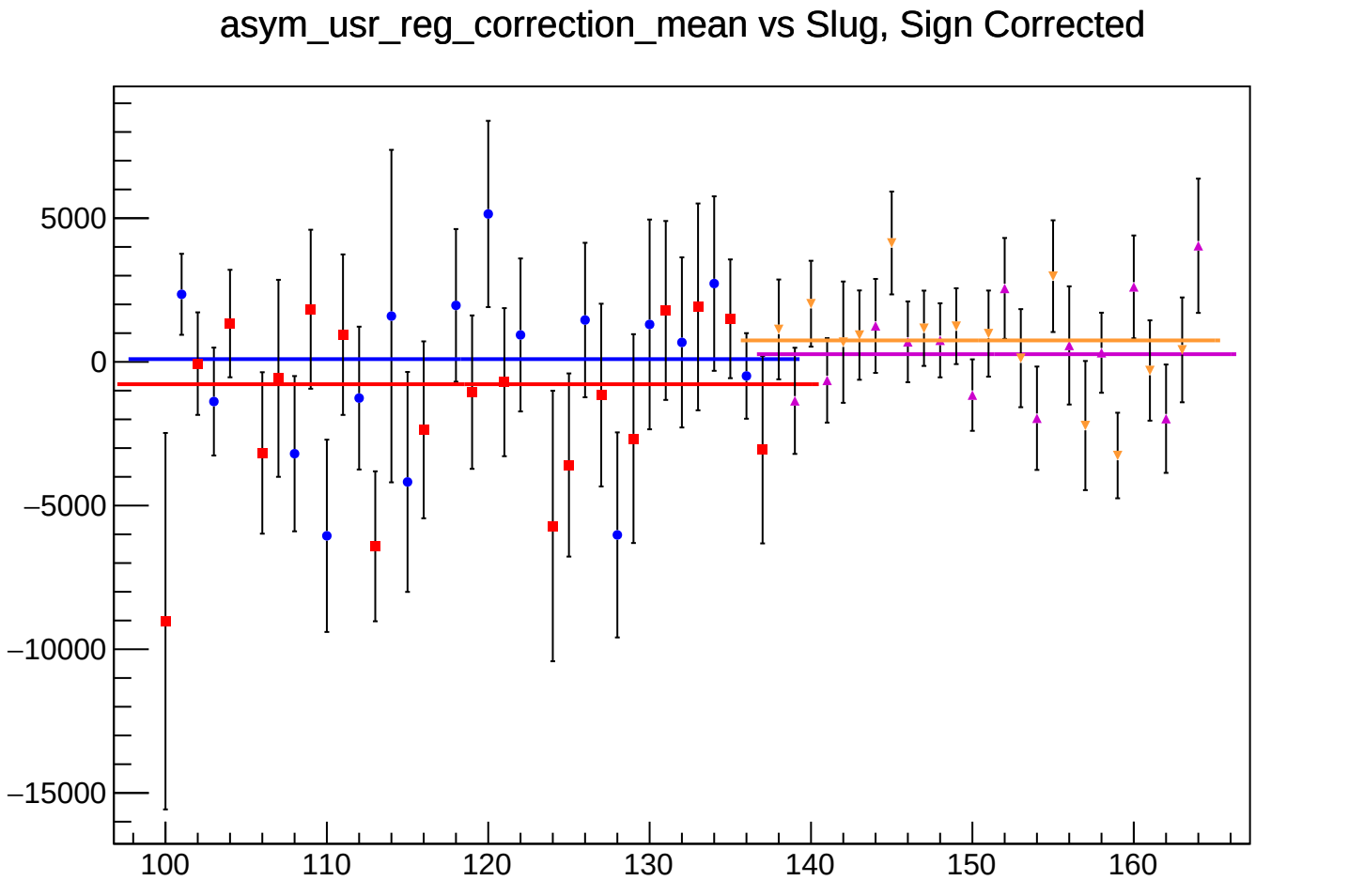
Left: 1096.594+/-0.165 χ^2/NDF: 6483.3/26

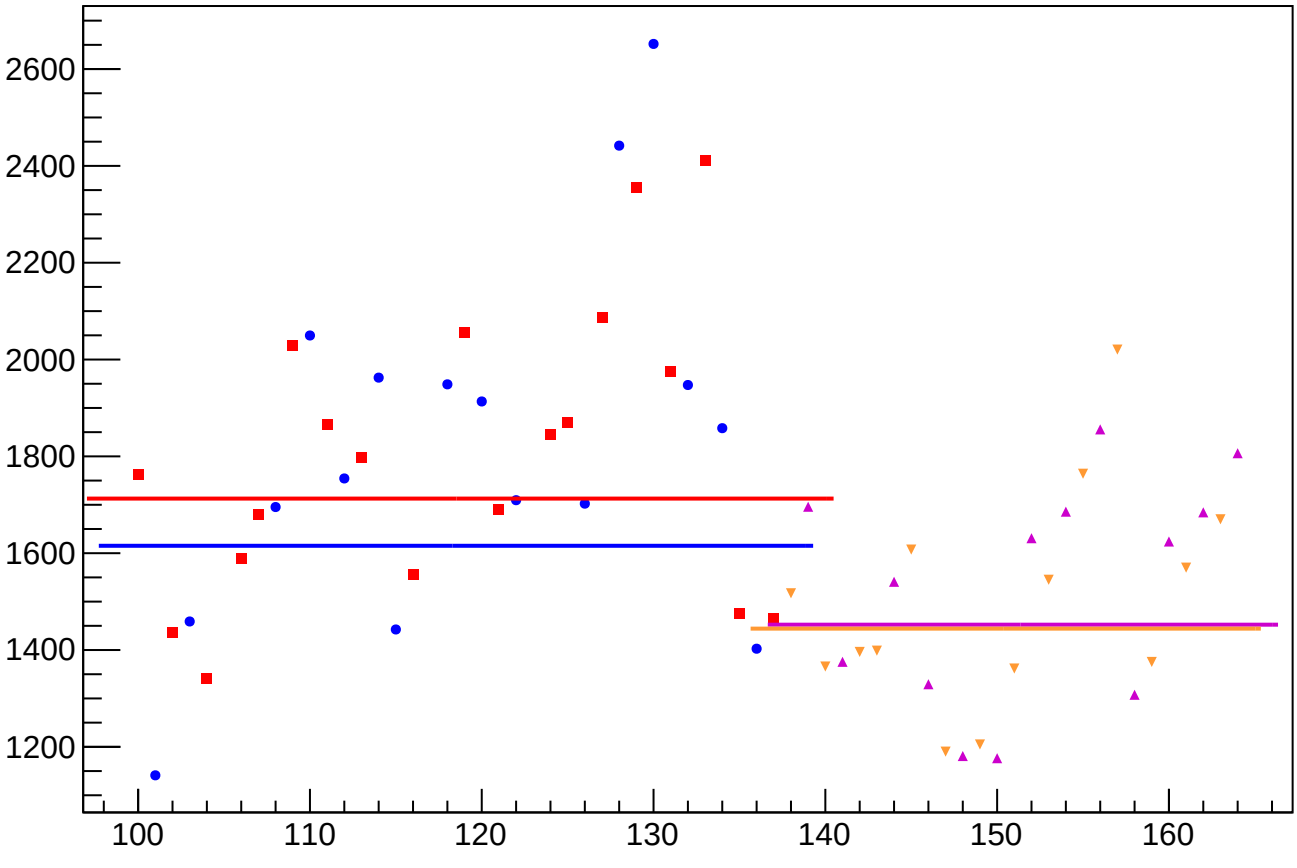
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1098.904+/-0.182 χ^2/NDF:16803.0/28

Out: 1100.996+/-0.180 χ^2/NDF:12683.6/32

All: 1099.963+/-0.128 χ^2/NDF: 29553.4/61


asym_usr_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 746.898+/-437.741 χ²/NDF:15.5/13
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 267.614+/-445.148 χ²/NDF:12.1/12
Left: 511.277+/-312.116 χ²/NDF: 28.1/26
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 208.987+/-361.220 χ²/NDF:29.0/28
Out: 258.060+/-360.763 χ²/NDF:34.4/32
All: 233.555+/-255.259 χ²/NDF: 63.5/61



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1444.199+/-0.310 χ^2/NDF:413559.6/13

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1452.345+/-0.315 χ^2/NDF:495956.7/12

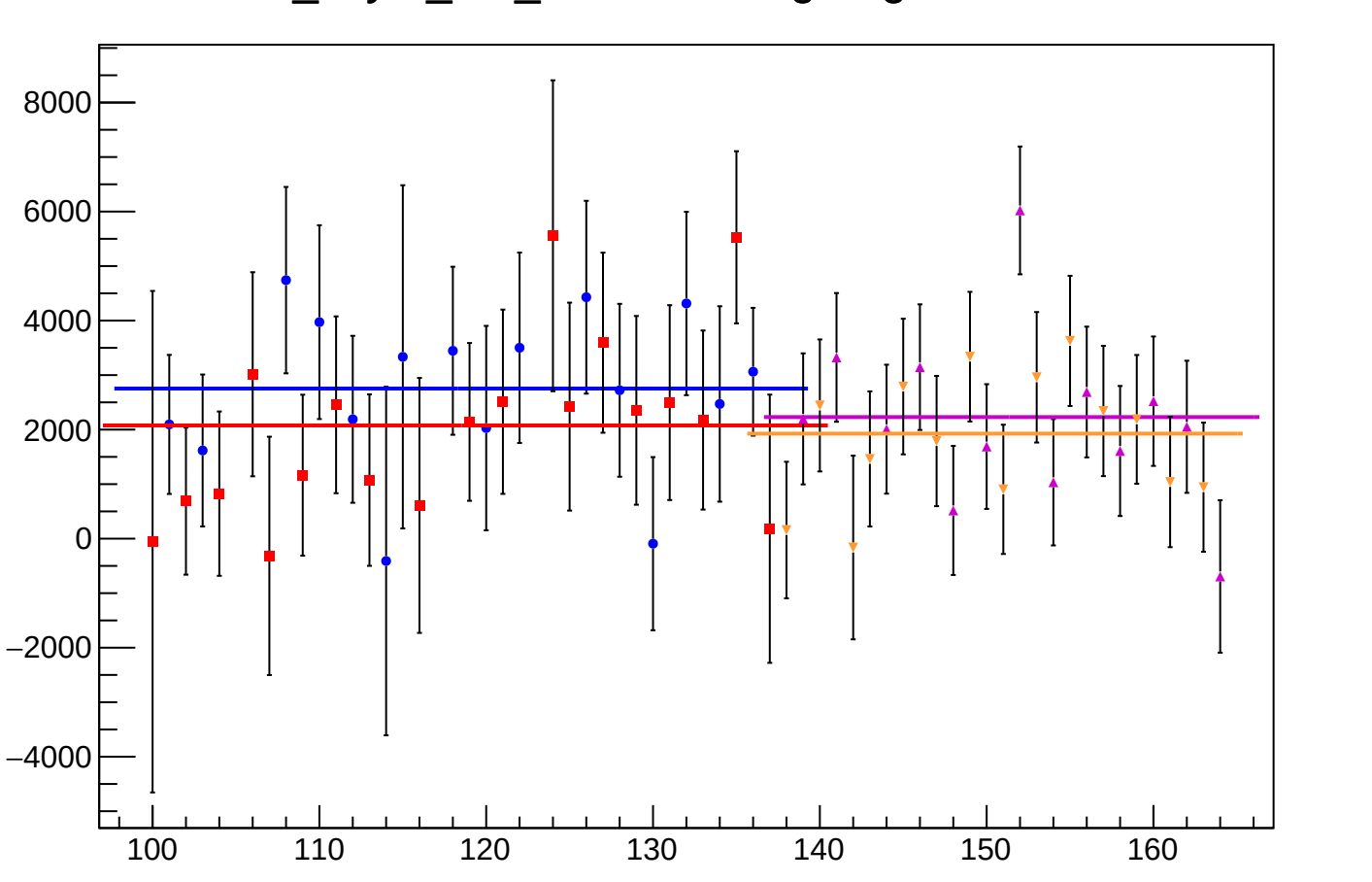
Left: 1448.204+/-0.221 χ^2/NDF: 909856.8/26

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

In: 1508.005+/-0.255 χ^2/NDF:1281139.1/28

Out: 1530.361+/-0.255 χ^2/NDF:1083179.8/32

All: 1519.197+/-0.180 χ^2/NDF: 2368154.0/61



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1925.833+/-327.561 χ^2/NDF:10.7/13

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2229.906+/-330.985 χ^2/NDF:20.2/12

Left: 2076.289+/-232.822 χ^2/NDF: 31.4/26

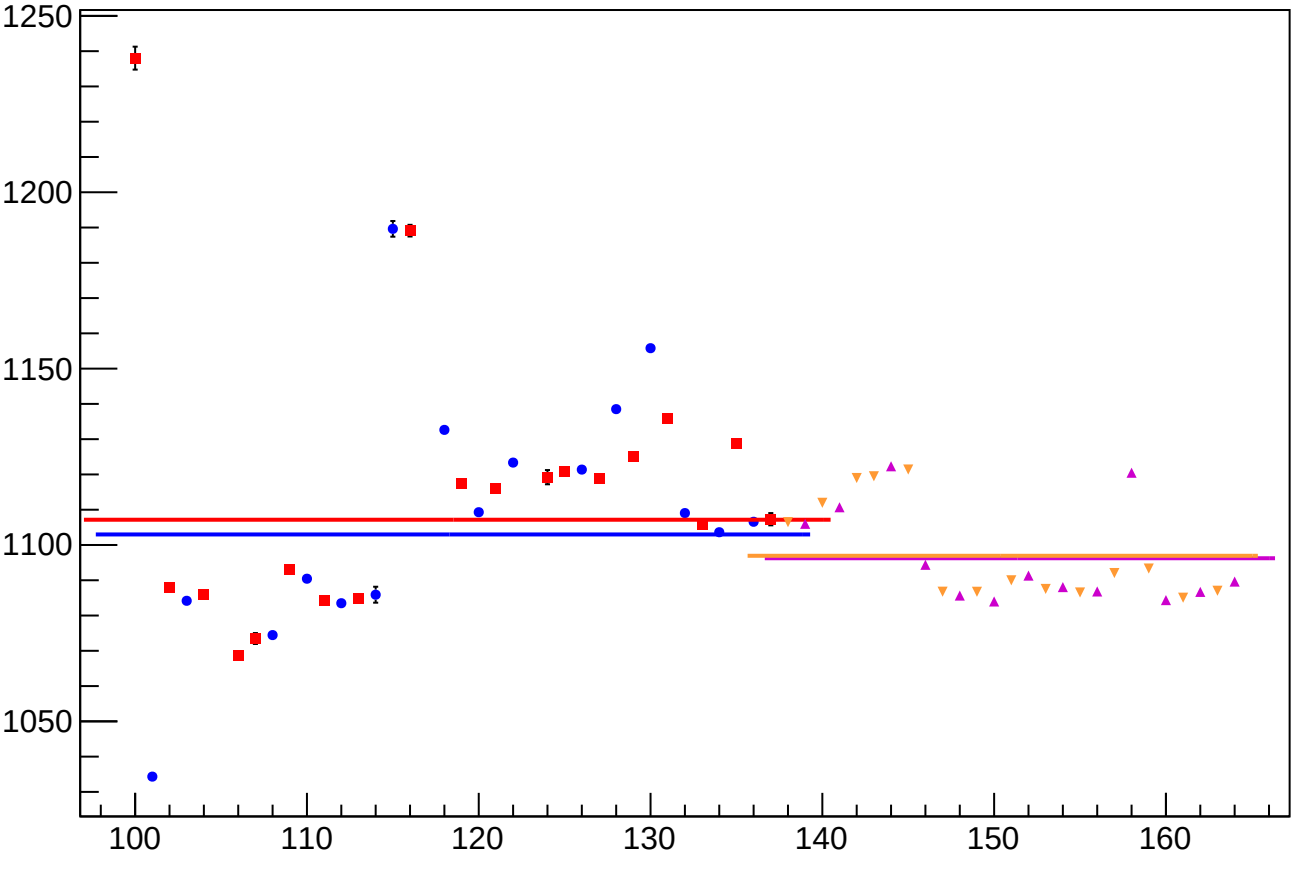
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2436.447+/-257.498 χ^2/NDF:30.7/28

Out: 1985.619+/-254.386 χ^2/NDF:23.3/32

All: 2208.292+/-180.968 χ^2/NDF: 55.6/61

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.940+/-0.232 χ^2/NDF:3227.7/13

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.241+/-0.234 χ^2/NDF:3251.2/12

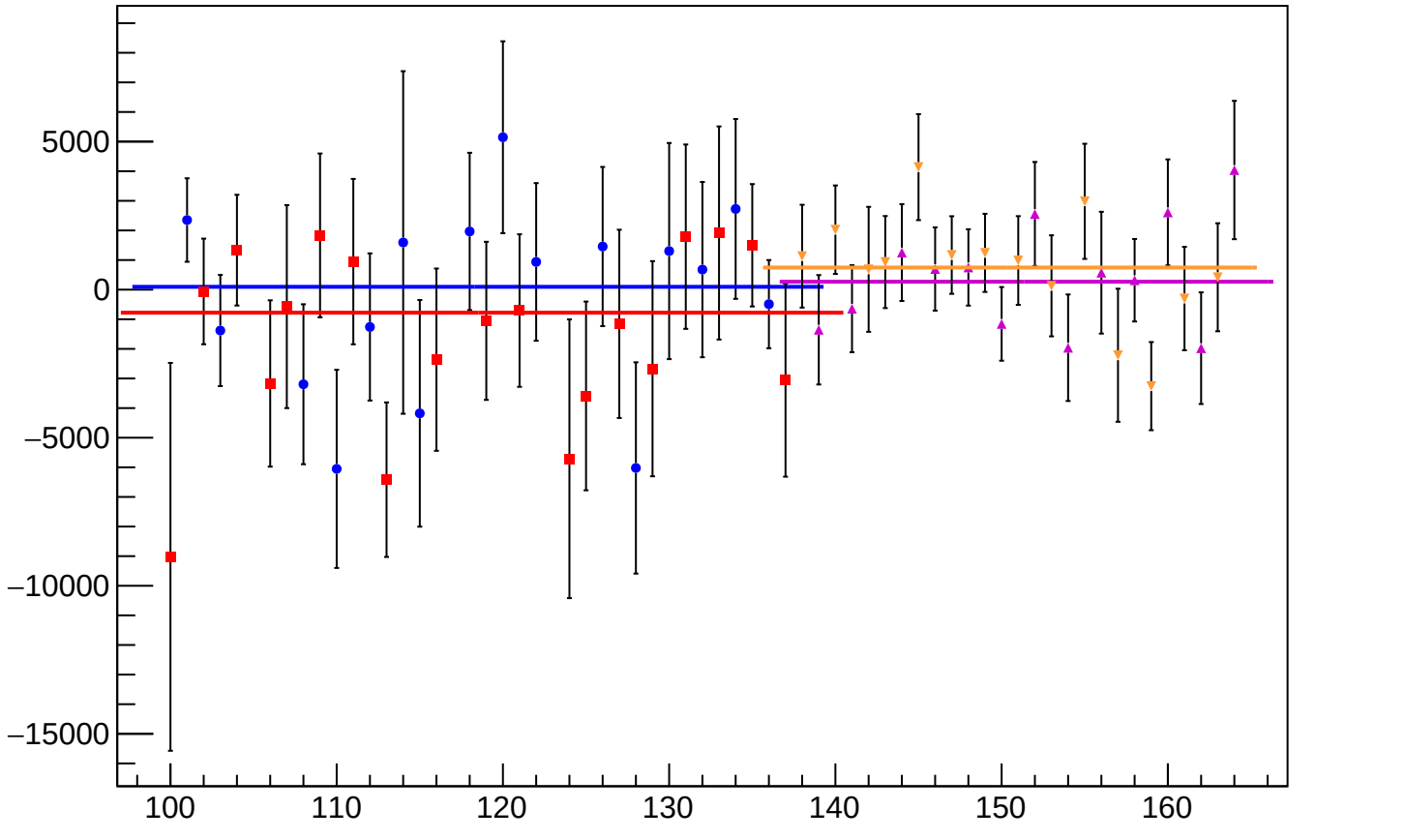
Left: 1096.594+/-0.165 χ^2/NDF: 6483.3/26

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

In: 1098.904+/-0.182 χ^2/NDF:16803.0/28

Out: 1100.996+/-0.180 χ^2/NDF:12683.6/32

All: 1099.963+/-0.128 χ^2/NDF: 29553.4/61



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 746.898+/-437.741 χ^2/NDF:15.5/13

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 267.614+/-445.148 χ^2/NDF:12.1/12

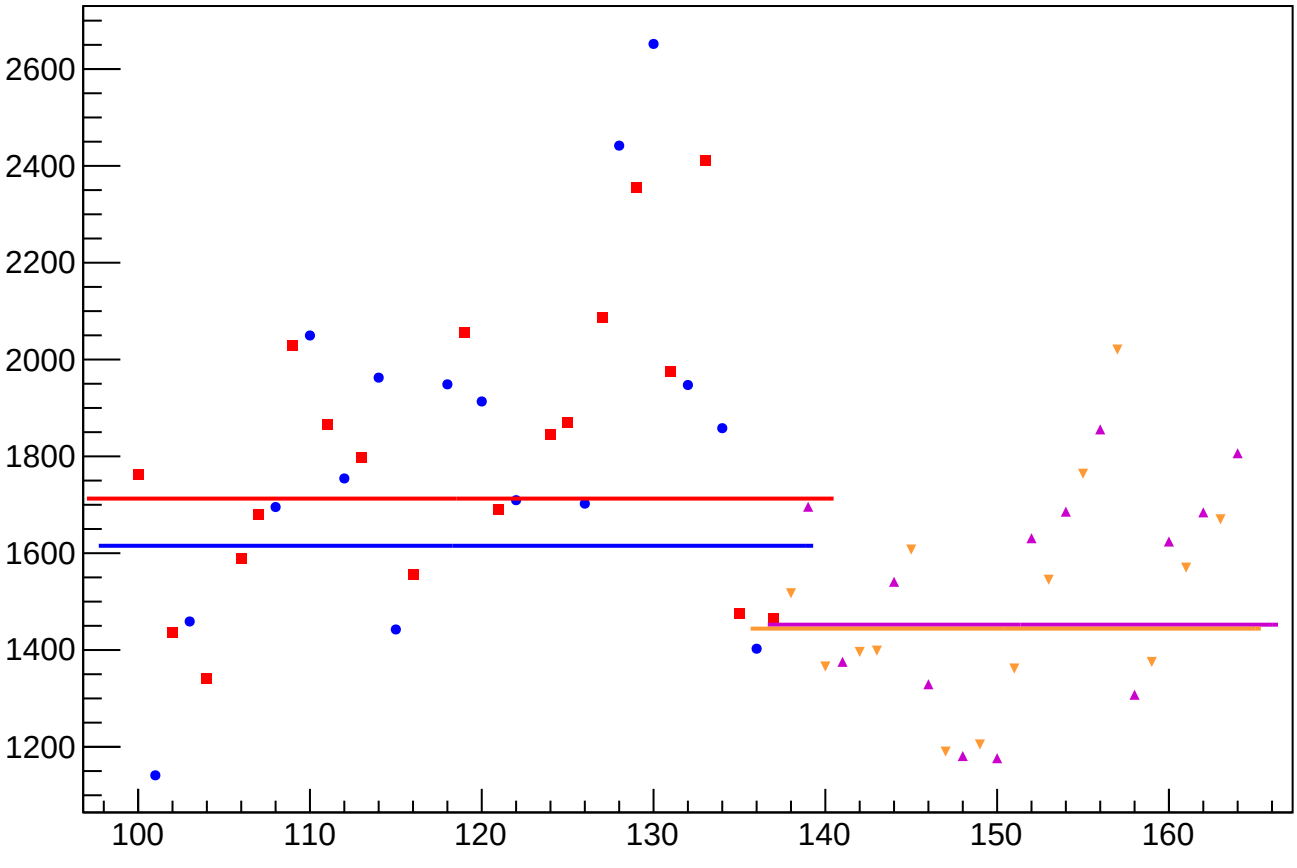
Left: 511.277+/-312.116 χ^2/NDF: 28.1/26

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

In: 208.987+/-361.220 χ^2/NDF:29.0/28

Out: 258.060+/-360.763 χ^2/NDF:34.4/32

All: 233.555+/-255.259 χ^2/NDF: 63.5/61



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1444.199+/-0.310 χ^2/NDF:413559.6/13

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1452.345+/-0.315 χ^2/NDF:495956.7/12

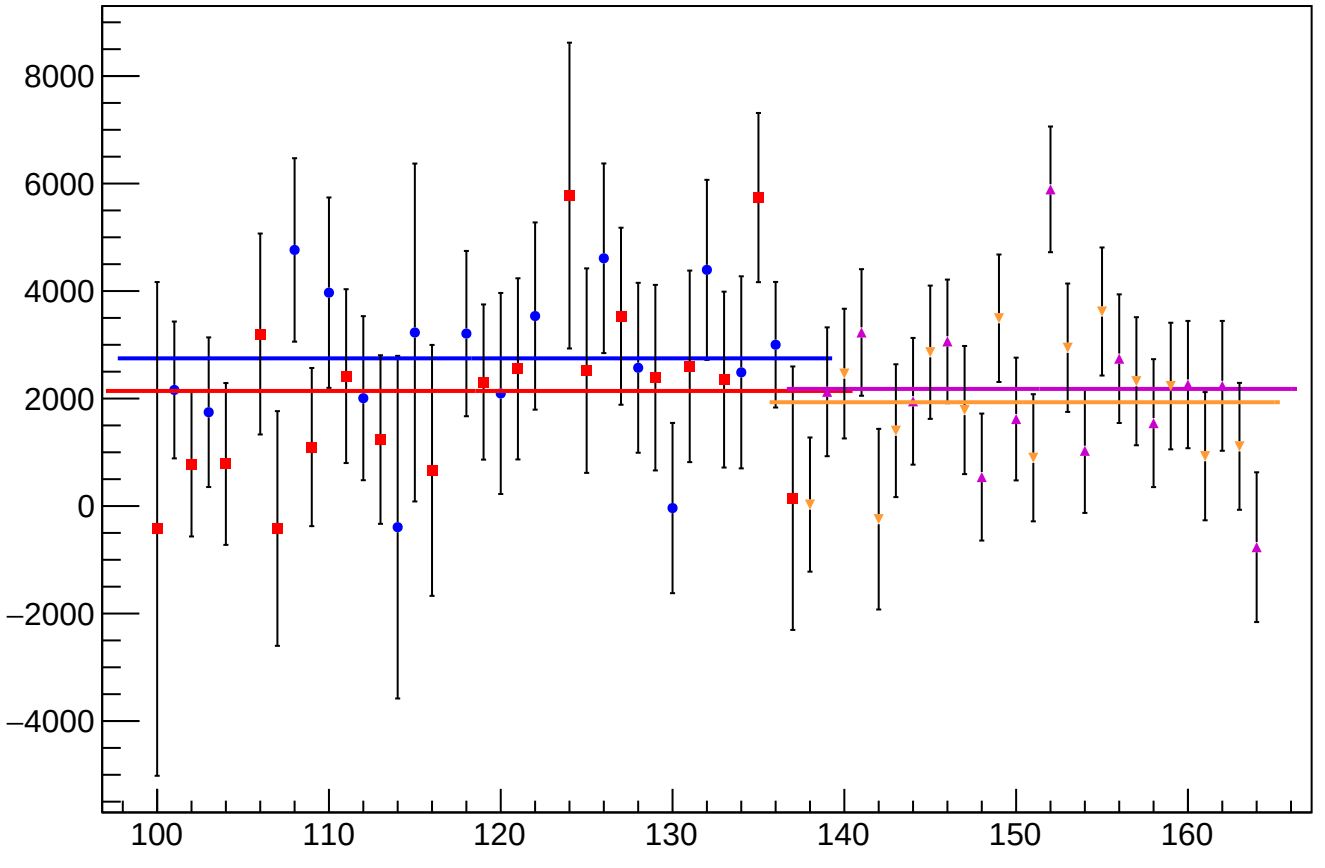
Left: 1448.204+/-0.221 χ^2/NDF: 909856.8/26

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

In: 1508.005+/-0.255 χ^2/NDF:1281139.1/28

Out: 1530.361+/-0.255 χ^2/NDF:1083179.8/32

All: 1519.197+/-0.180 χ^2/NDF: 2368154.0/61



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1931.453+/-326.712 χ^2/NDF:11.6/13

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2178.907+/-330.159 χ^2/NDF:19.6/12

Left: 2053.881+/-232.230 χ^2/NDF: 31.5/26

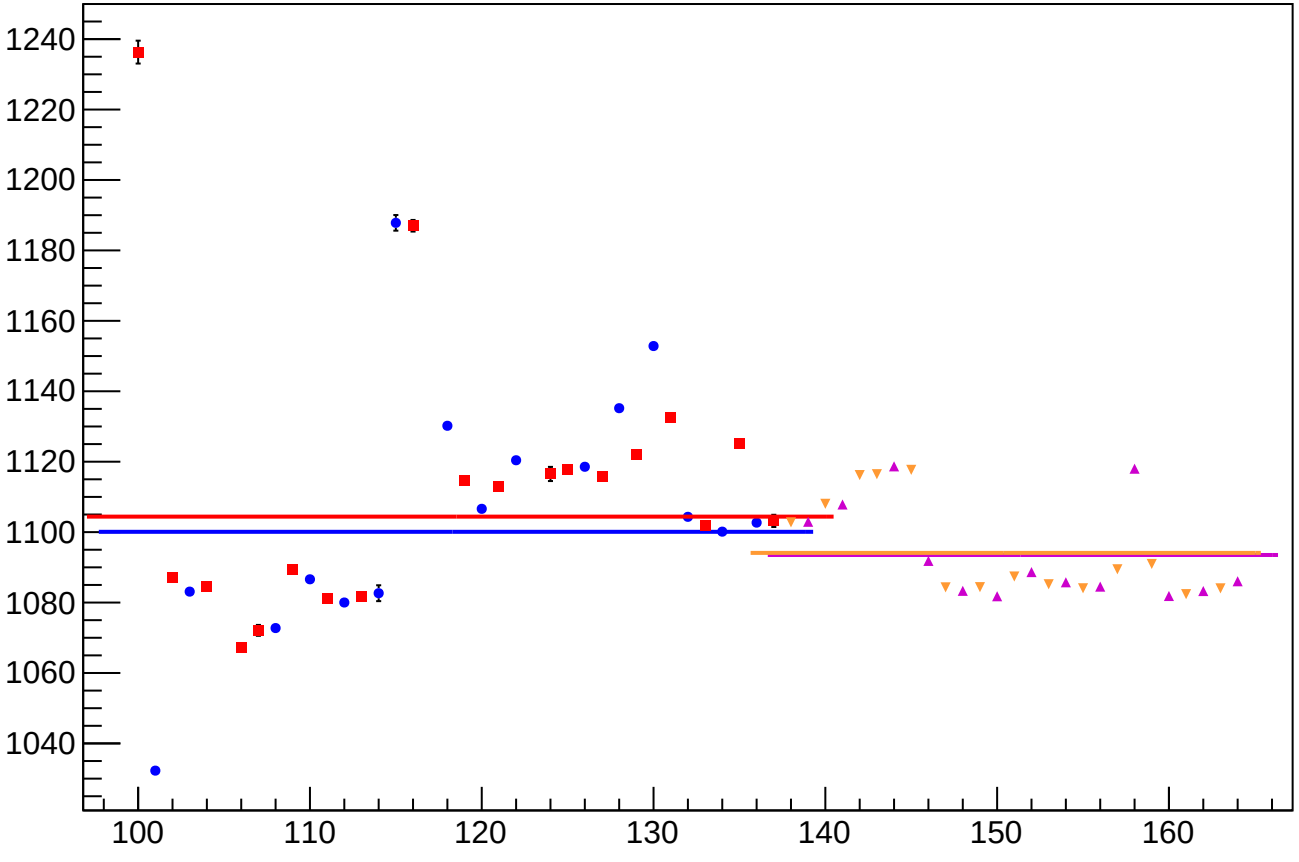
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2403.571+/-256.842 χ^2/NDF:30.3/28

Out: 2014.676+/-253.737 χ^2/NDF:25.3/32

All: 2206.758+/-180.507 χ^2/NDF: 56.7/61

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1094.104+/-0.231 χ^2/NDF:3057.0/13

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1093.509+/-0.233 χ^2/NDF:3174.7/12

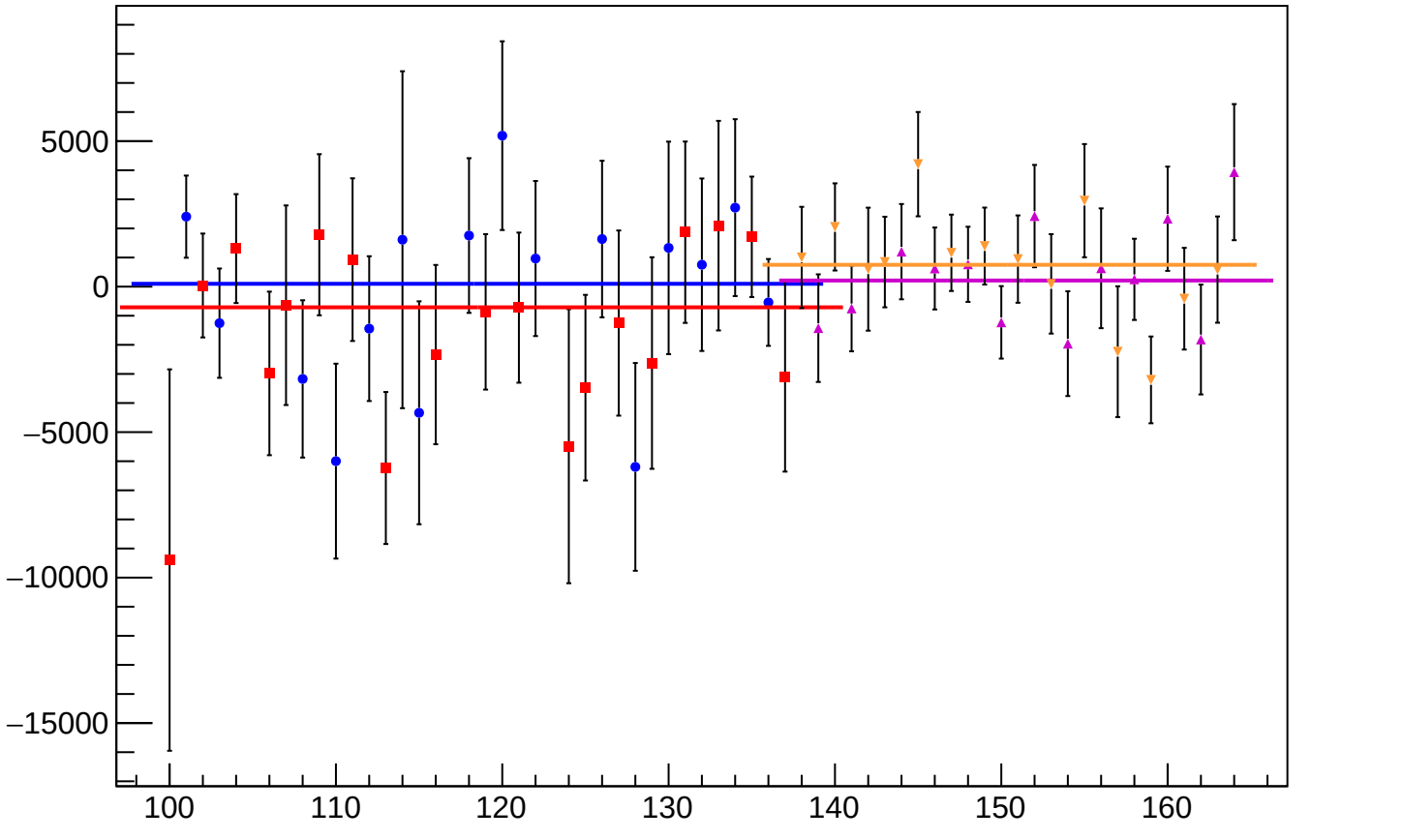
Left: 1093.809+/-0.164 χ^2/NDF: 6235.0/26

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

In: 1096.107+/-0.182 χ^2/NDF:16565.6/28

Out: 1098.191+/-0.179 χ^2/NDF:12389.2/32

All: 1097.162+/-0.128 χ^2/NDF: 29021.4/61



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

Left Out: 749.701+/-438.424 χ^2/NDF:15.5/13

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

Left In: 210.697+/-445.796 χ^2/NDF:11.4/12

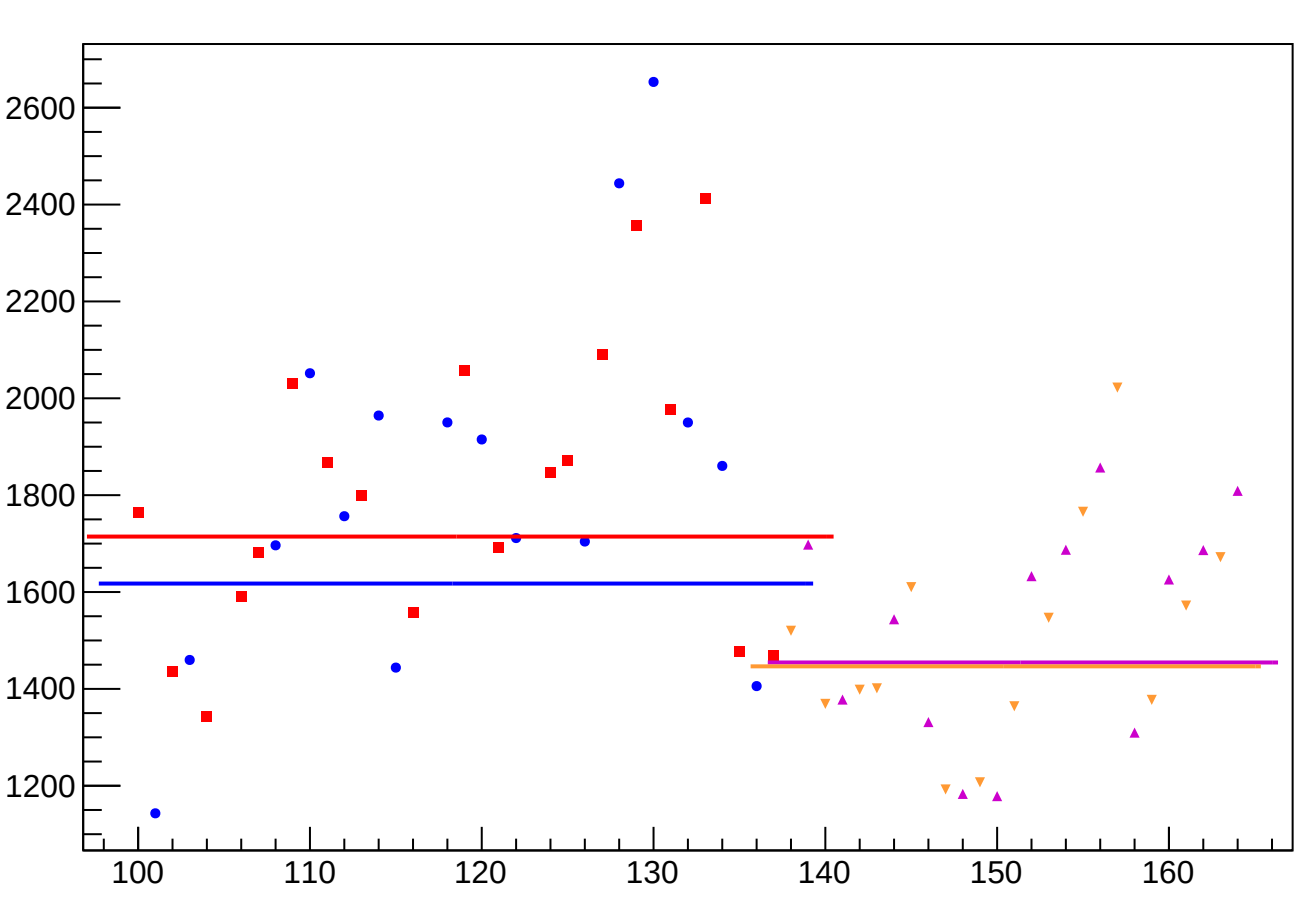
Left: 484.693+/-312.587 χ^2/NDF: 27.6/26

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

In: 172.005+/-361.722 χ^2/NDF:28.6/28

Out: 280.669+/-361.258 χ^2/NDF:34.0/32

All: 226.407+/-255.612 χ^2/NDF: 62.7/61



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1446.544+/-0.310 χ^2/NDF:411818.4/13

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1454.543+/-0.315 χ^2/NDF:494154.2/12

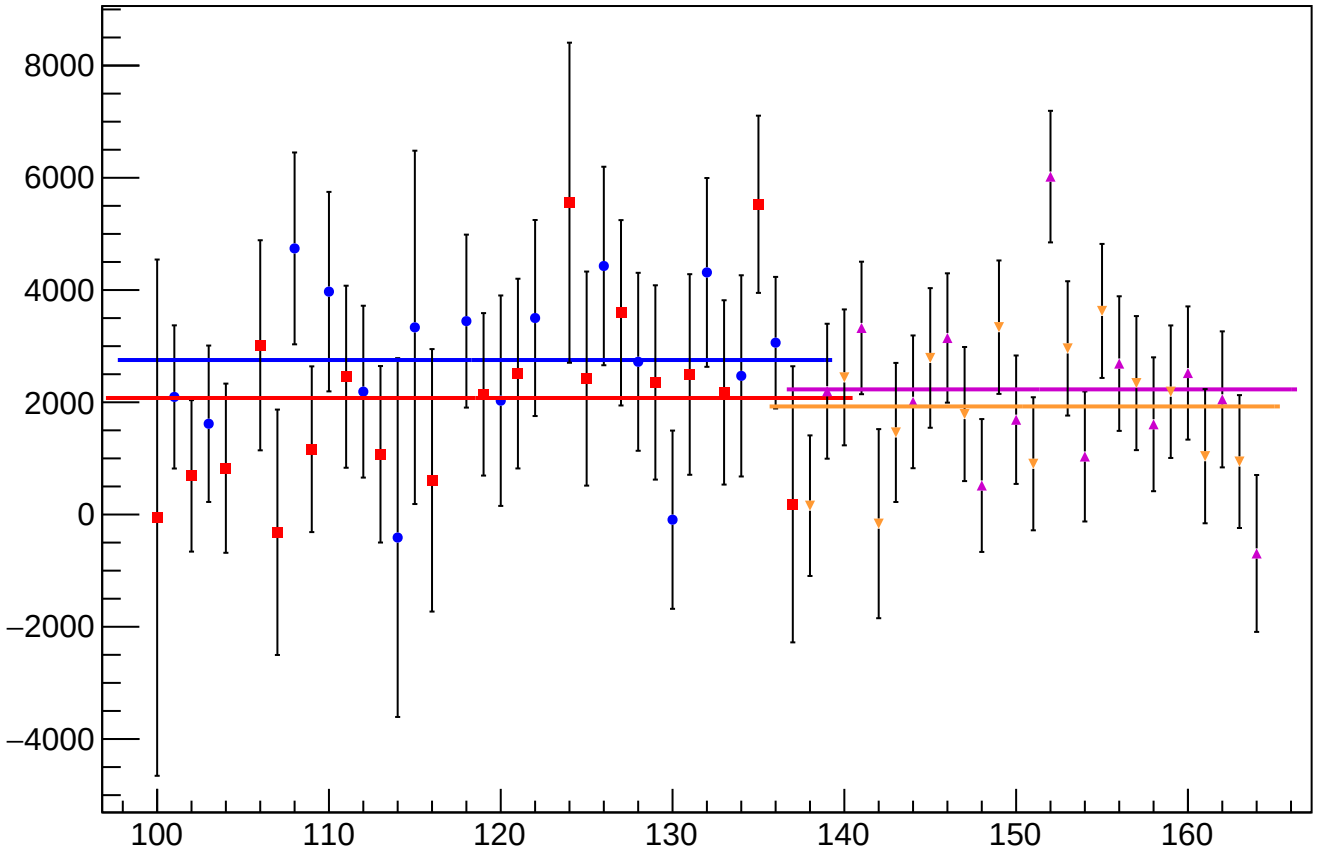
Left: 1450.477+/-0.221 χ^2/NDF: 906299.9/26

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

In: 1510.209+/-0.256 χ^2/NDF:1277164.4/28

Out: 1532.570+/-0.255 χ^2/NDF:1079383.1/32

All: 1521.404+/-0.181 χ^2/NDF: 2360374.0/61



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1925.833+/-327.561 χ^2/NDF:10.7/13

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2229.906+/-330.985 χ^2/NDF:20.2/12

Left: 2076.289+/-232.822 χ^2/NDF: 31.4/26

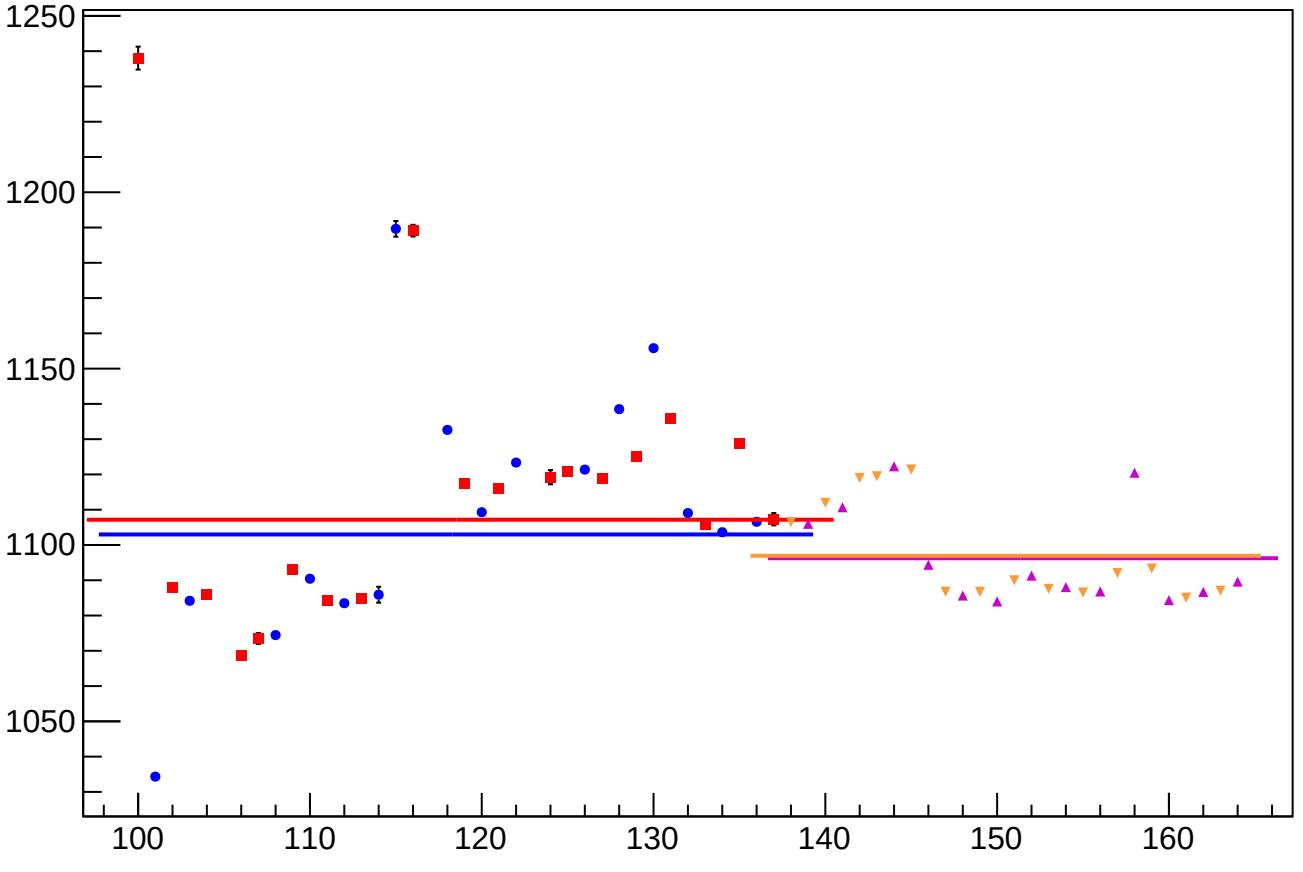
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2436.447+/-257.498 χ^2/NDF:30.7/28

Out: 1985.619+/-254.386 χ^2/NDF:23.3/32

All: 2208.292+/-180.968 χ^2/NDF: 55.6/61

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1096.940+/-0.232 χ^2/NDF:3227.7/13

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.241+/-0.234 χ^2/NDF:3251.2/12

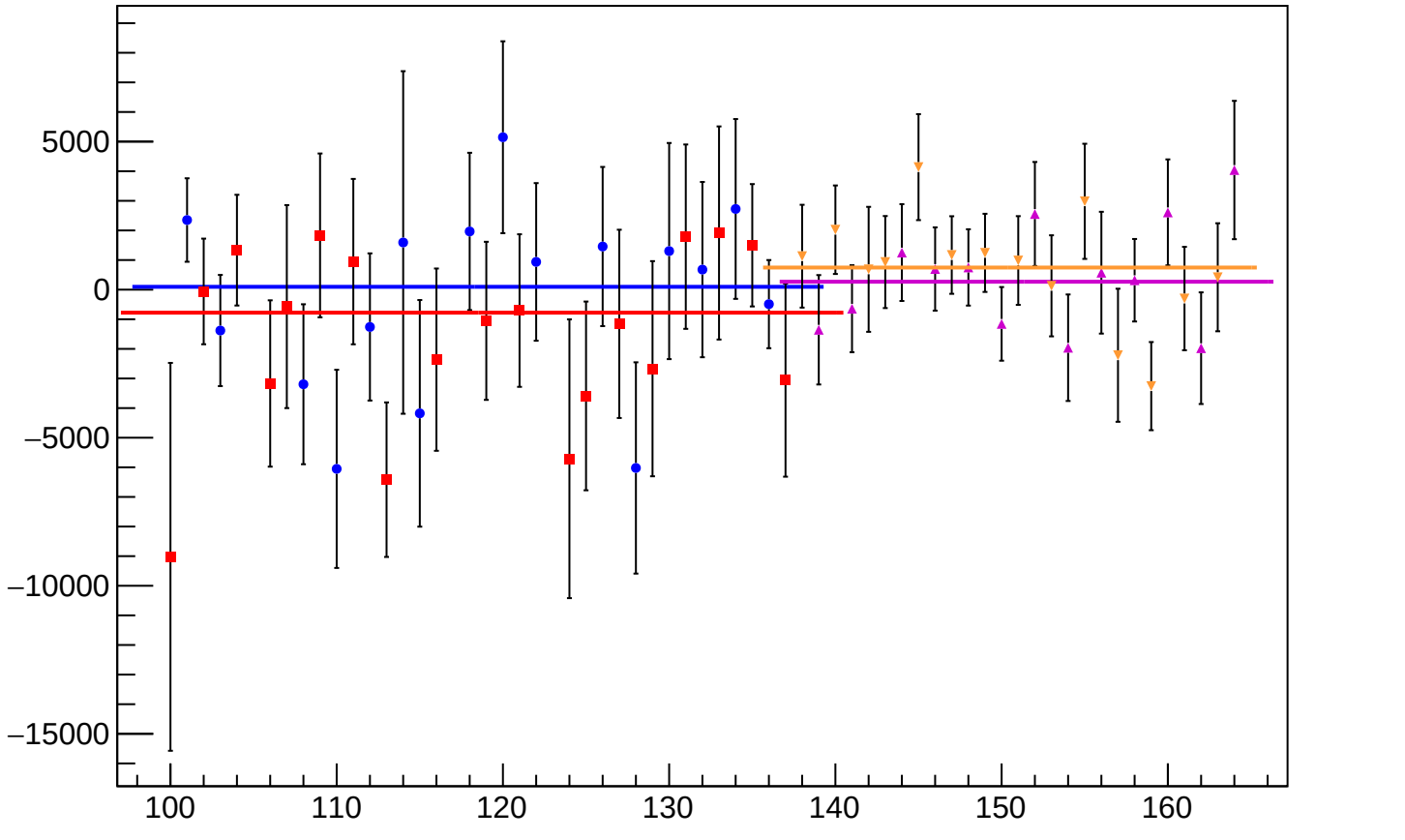
Left: 1096.594+/-0.165 χ^2/NDF: 6483.3/26

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

In: 1098.904+/-0.182 χ^2/NDF:16803.0/28

Out: 1100.996+/-0.180 χ^2/NDF:12683.6/32

All: 1099.963+/-0.128 χ^2/NDF: 29553.4/61



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 746.898+/-437.741 χ^2/NDF:15.5/13

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 267.614+/-445.148 χ^2/NDF:12.1/12

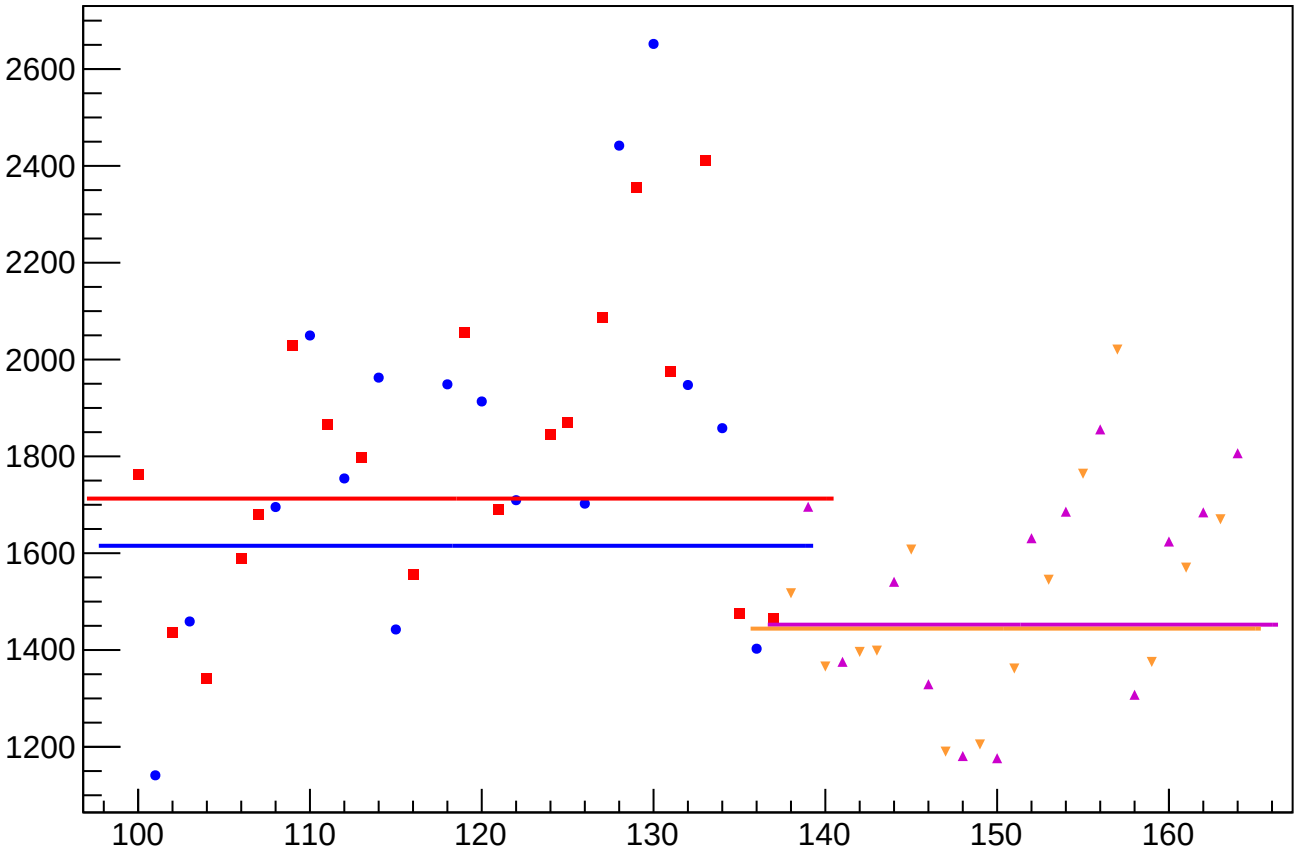
Left: 511.277+/-312.116 χ^2/NDF: 28.1/26

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

In: 208.987+/-361.220 χ^2/NDF:29.0/28

Out: 258.060+/-360.763 χ^2/NDF:34.4/32

All: 233.555+/-255.259 χ^2/NDF: 63.5/61



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1444.199+/-0.310 χ^2/NDF:413559.6/13

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1452.345+/-0.315 χ^2/NDF:495956.7/12

Left: 1448.204+/-0.221 χ^2/NDF: 909856.8/26

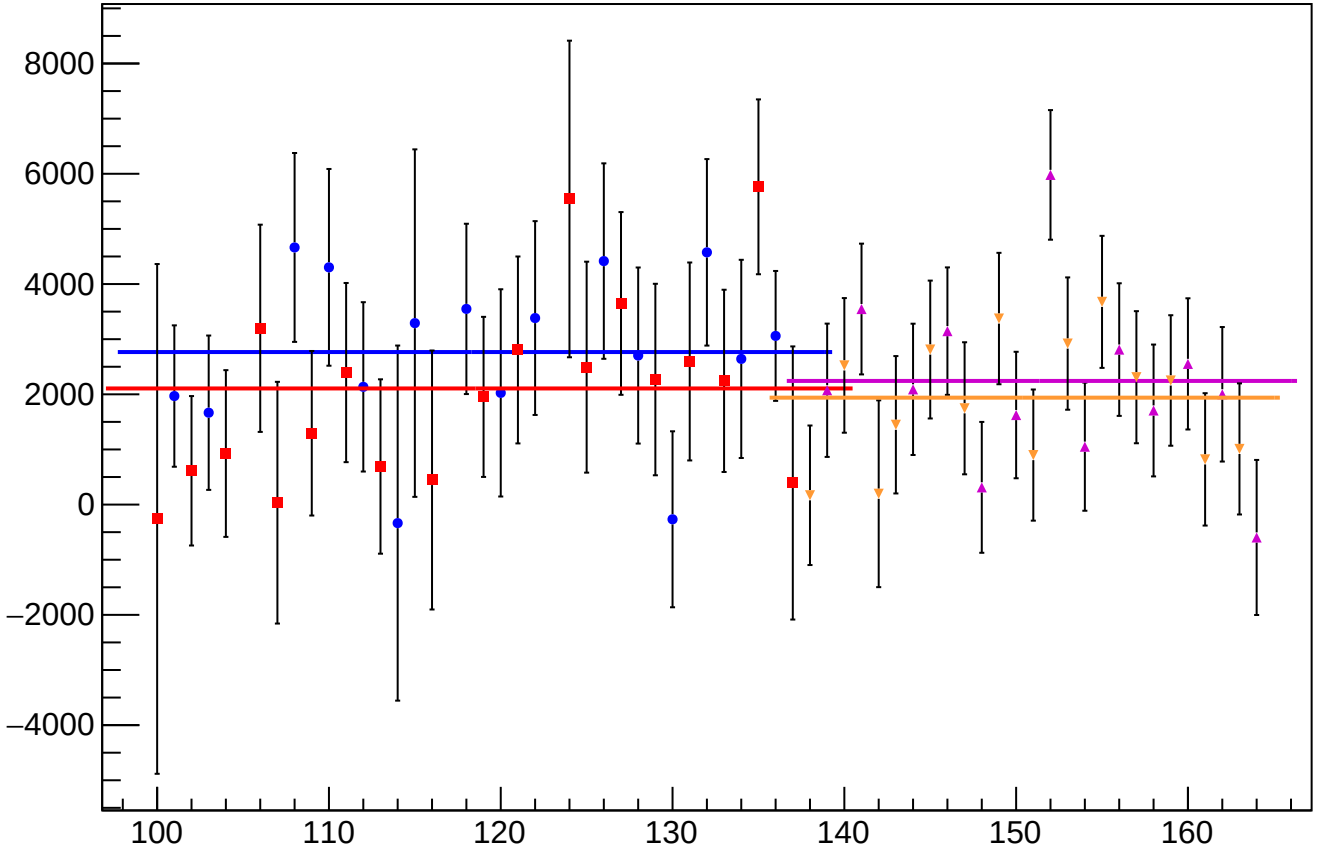
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1508.005+/-0.255 χ^2/NDF:1281139.1/28

Out: 1530.361+/-0.255 χ^2/NDF:1083179.8/32

All: 1519.197+/-0.180 χ^2/NDF: 2368154.0/61

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1939.398+/-328.966 χ^2/NDF:10.6/13

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2242.704+/-332.238 χ^2/NDF:20.6/12

Left: 2089.550+/-233.763 χ^2/NDF: 31.5/26

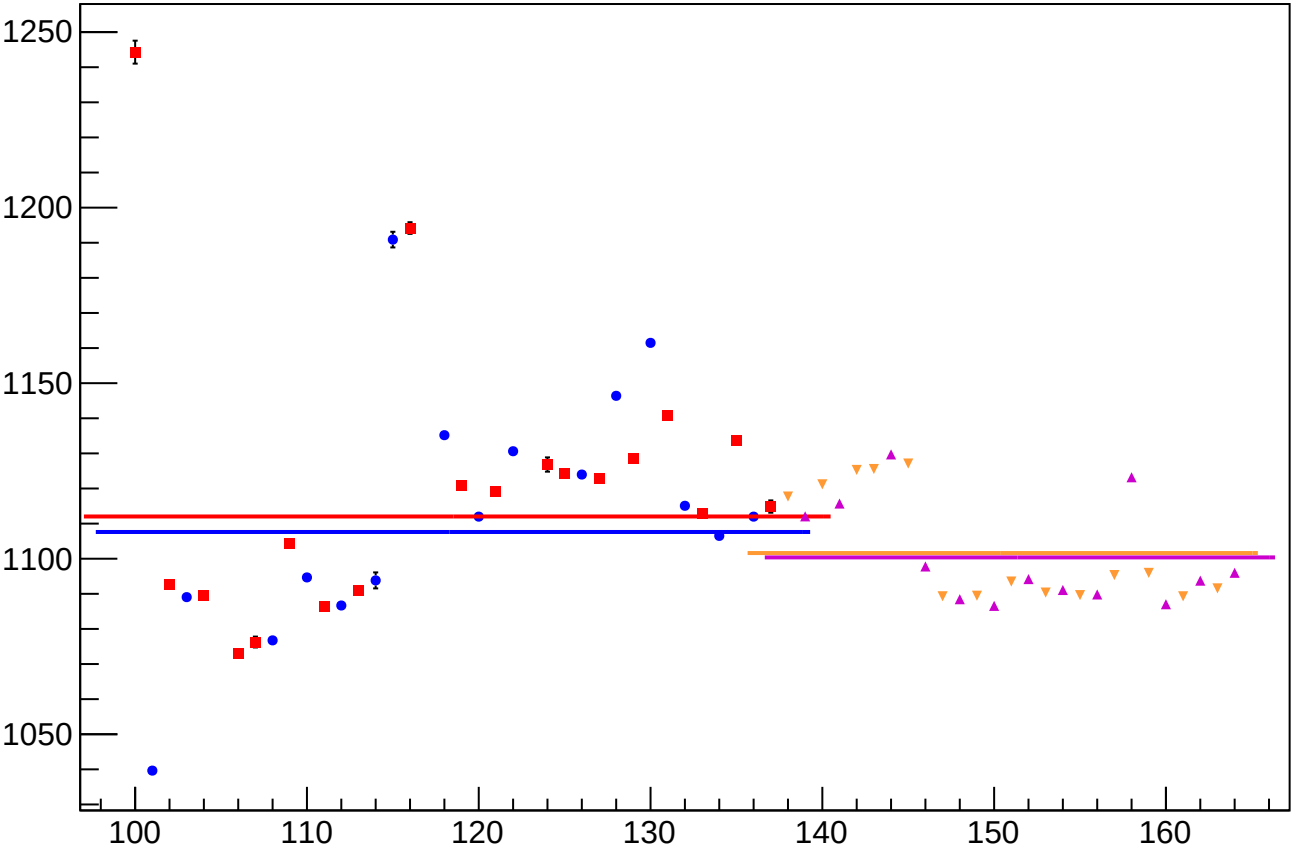
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2449.430+/-258.516 χ^2/NDF:31.9/28

Out: 2005.650+/-255.492 χ^2/NDF:24.0/32

All: 2224.929+/-181.720 χ^2/NDF: 57.4/61

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1101.616+/-0.233 χ^2/NDF:4141.7/13

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.372+/-0.235 χ^2/NDF:3633.5/12

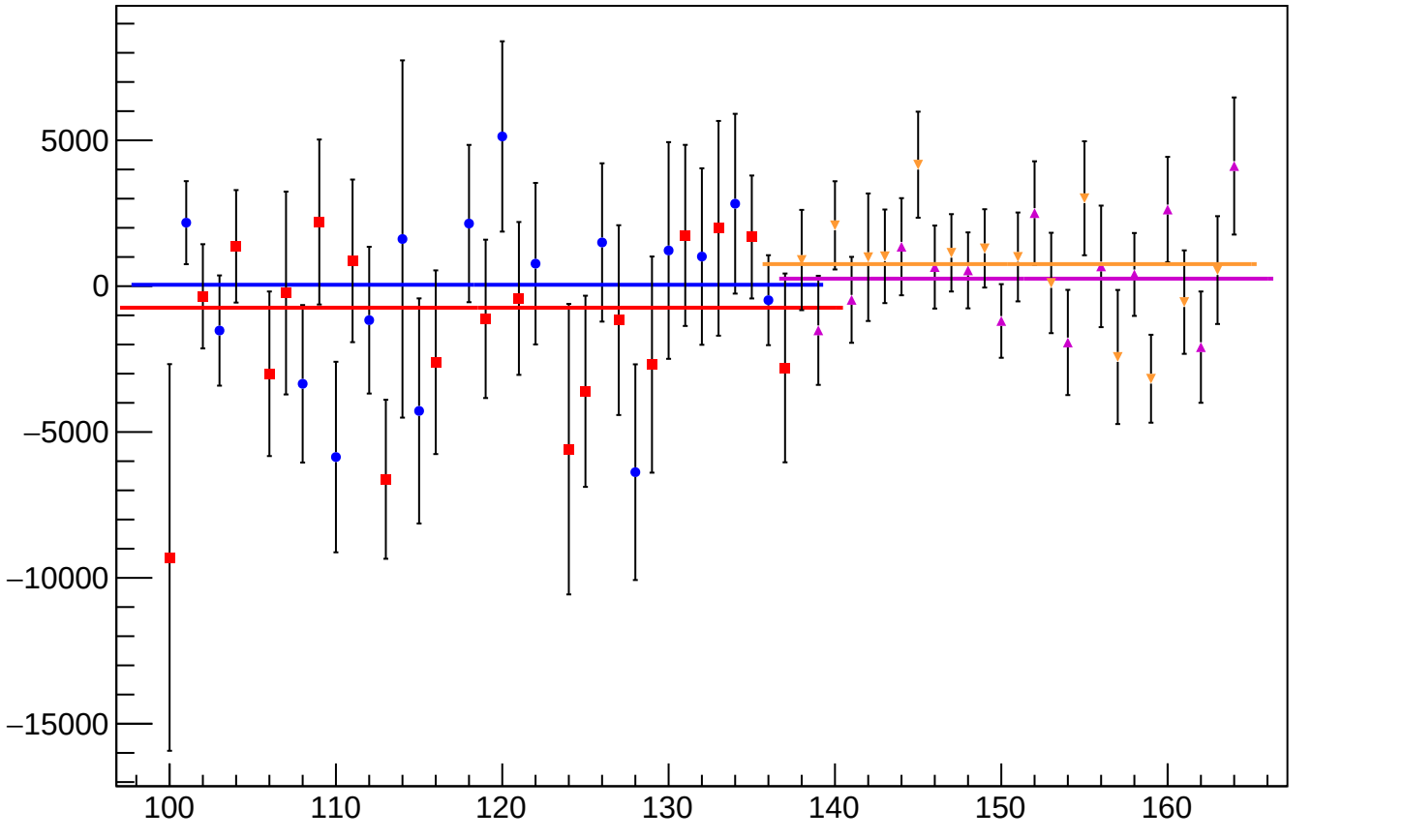
Left: 1101.000+/-0.165 χ^2/NDF: 7789.3/26

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

In: 1103.229+/-0.183 χ^2/NDF:17229.2/28

Out: 1105.748+/-0.181 χ^2/NDF:13590.4/32

All: 1104.503+/-0.128 χ^2/NDF: 30915.7/61



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 756.942+/-444.055 χ^2/NDF:15.4/13

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: 257.192+/-450.267 χ^2/NDF:12.1/12

Left: 510.539+/-316.168 χ^2/NDF: 28.1/26

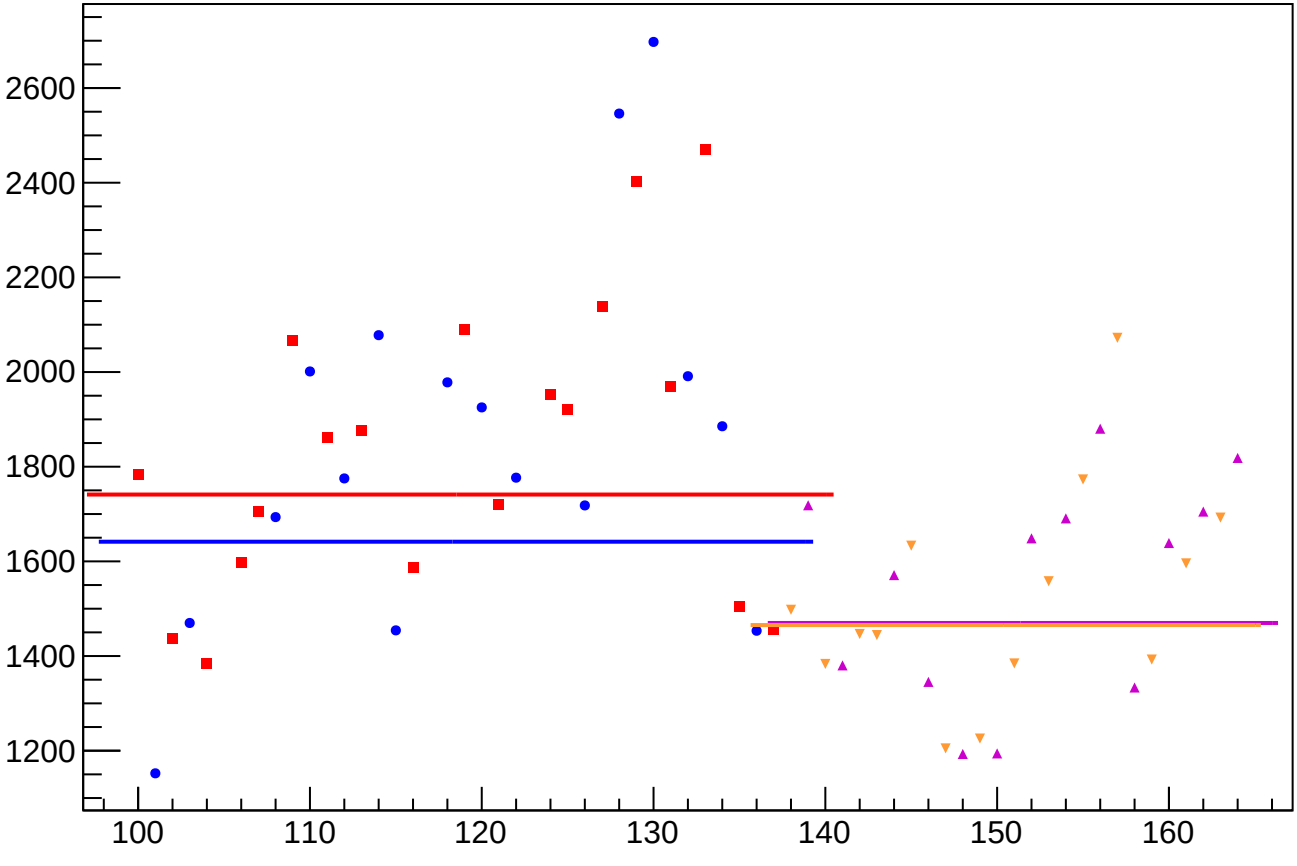
Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: 186.113+/-365.942 χ^2/NDF:29.0/28

Out: 278.984+/-366.264 χ^2/NDF:33.9/32

All: 232.507+/-258.874 χ^2/NDF: 63.0/61

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1465.442+/-0.314 χ^2/NDF:411417.1/13

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1469.864+/-0.318 χ^2/NDF:489489.5/12

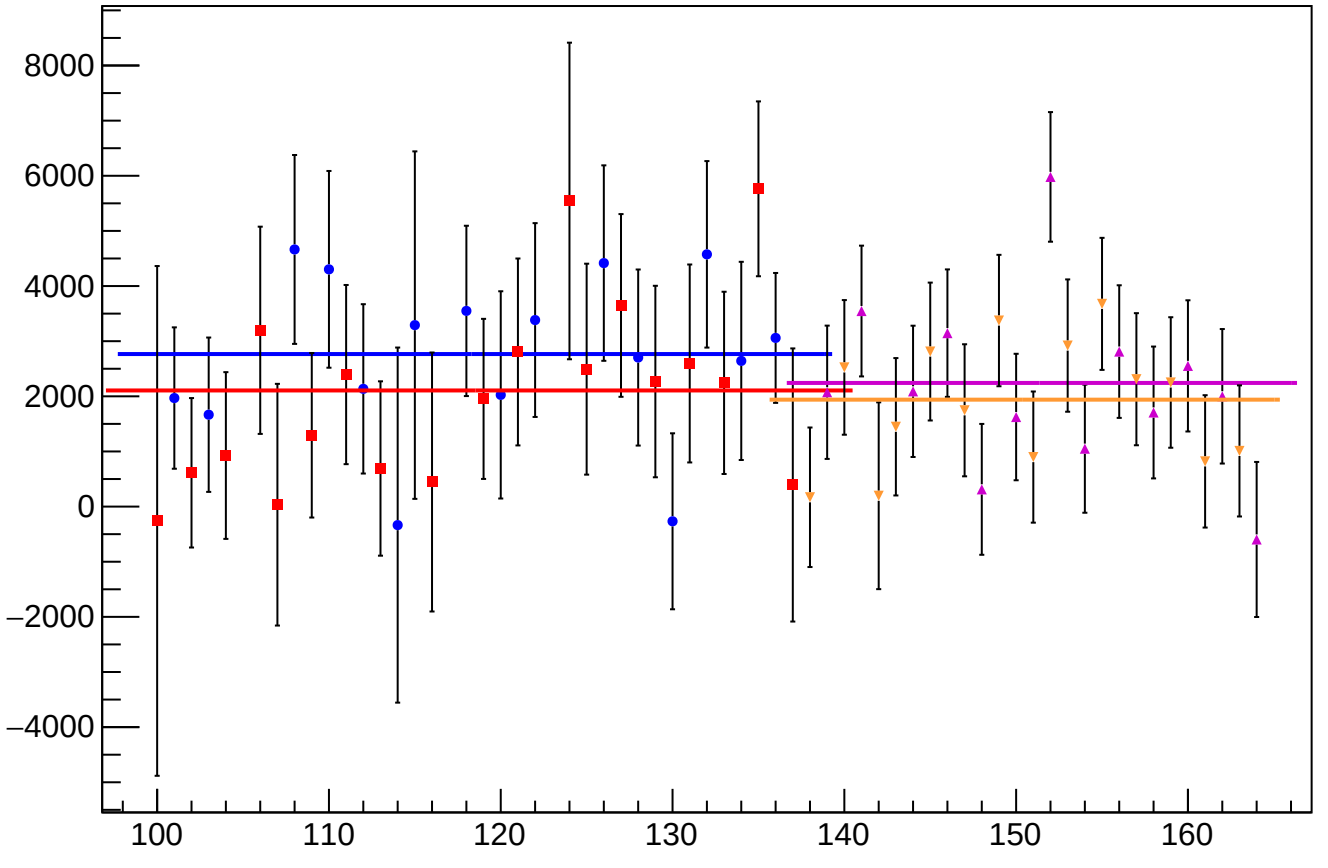
Left: 1467.622+/-0.224 χ^2/NDF: 901004.3/26

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

In: 1528.144+/-0.259 χ^2/NDF:1289501.5/28

Out: 1553.596+/-0.259 χ^2/NDF:1096314.8/32

All: 1540.859+/-0.183 χ^2/NDF: 2390649.3/61



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1939.395+/-328.966 χ^2/NDF:10.6/13

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2242.705+/-332.238 χ^2/NDF:20.6/12

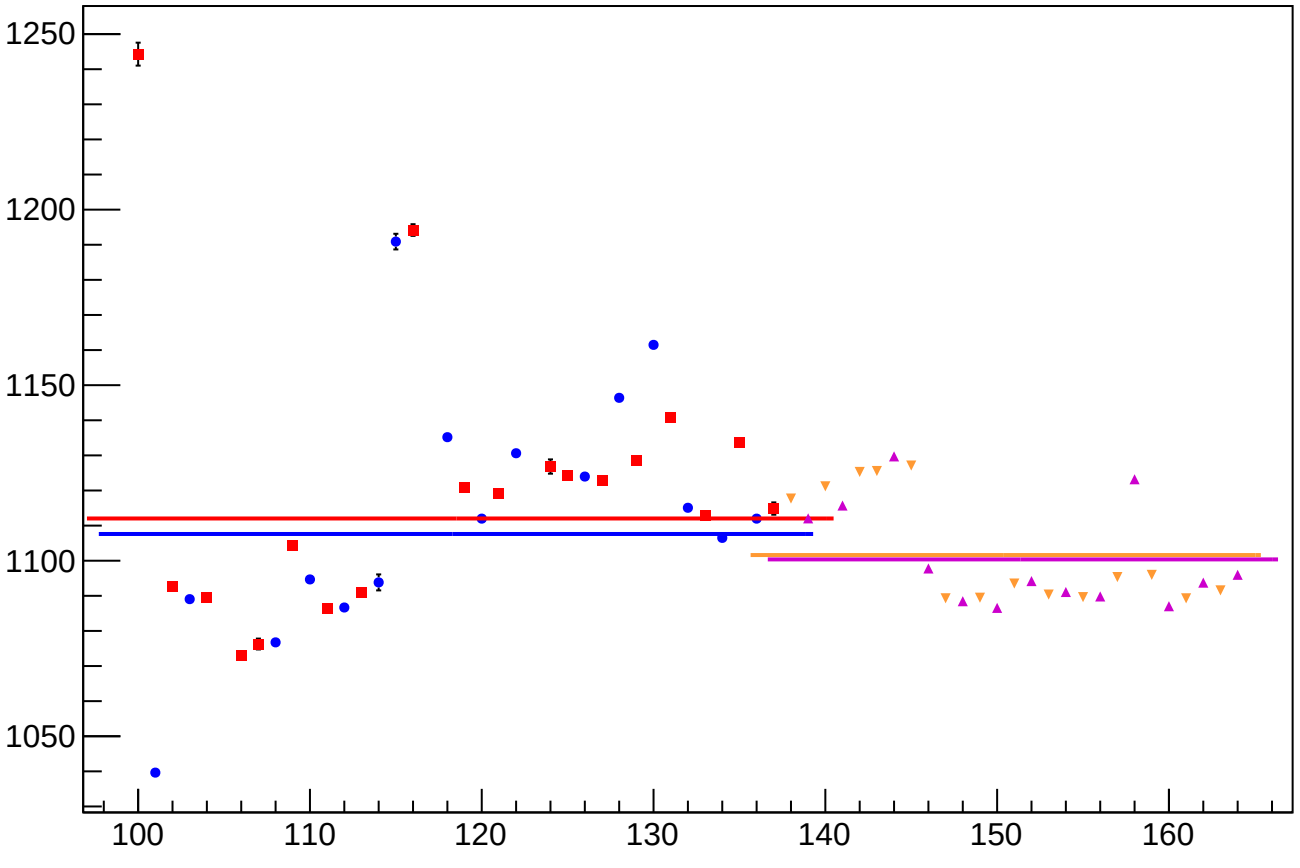
Left: 2089.549+/-233.763 χ^2/NDF: 31.5/26

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

In: 2449.431+/-258.516 χ^2/NDF:31.9/28

Out: 2005.649+/-255.492 χ^2/NDF:24.0/32

All: 2224.928+/-181.720 χ^2/NDF: 57.4/61



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1101.616+/-0.233 χ^2/NDF:4141.7/13

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.372+/-0.235 χ^2/NDF:3633.5/12

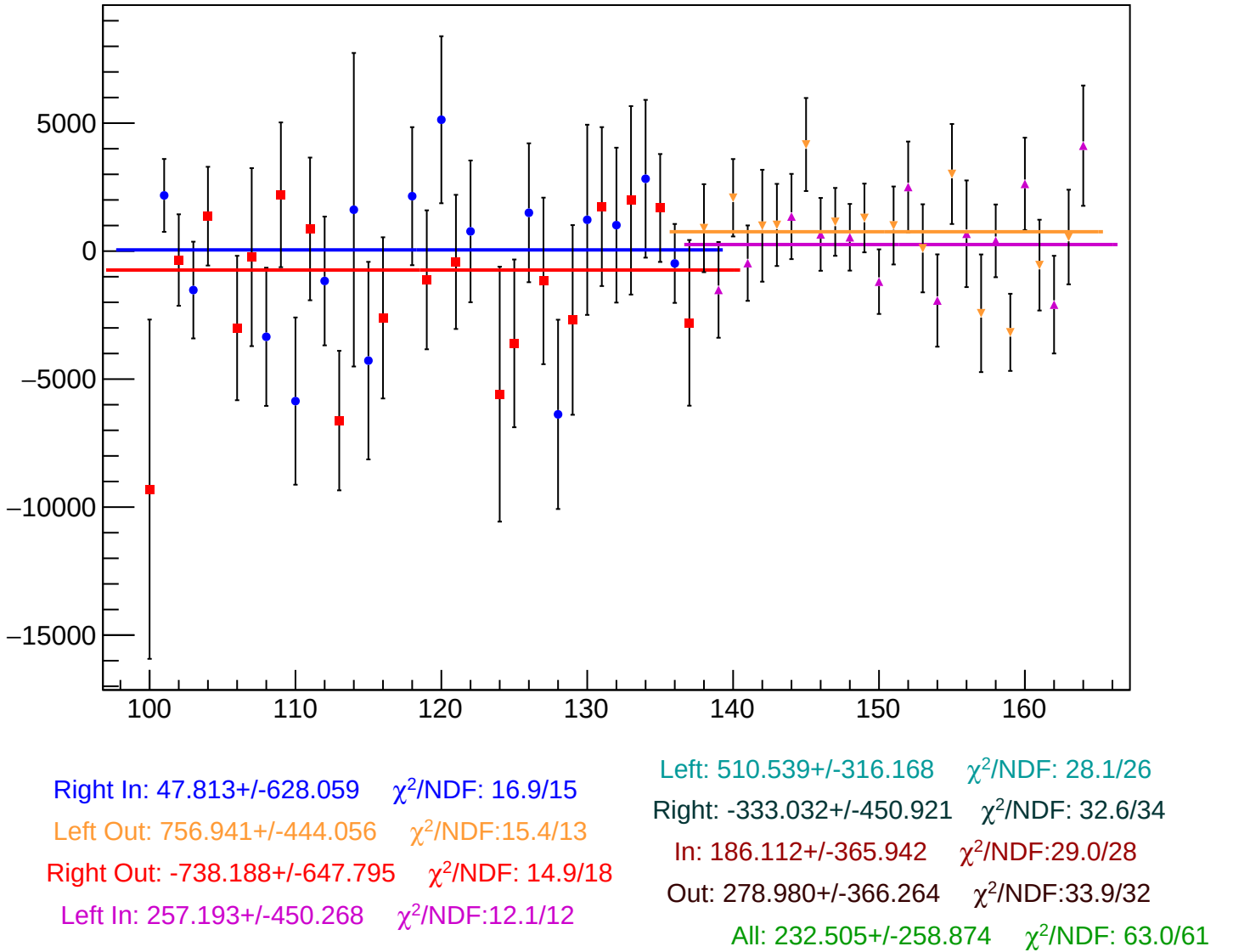
Left: 1101.000+/-0.165 χ^2/NDF: 7789.3/26

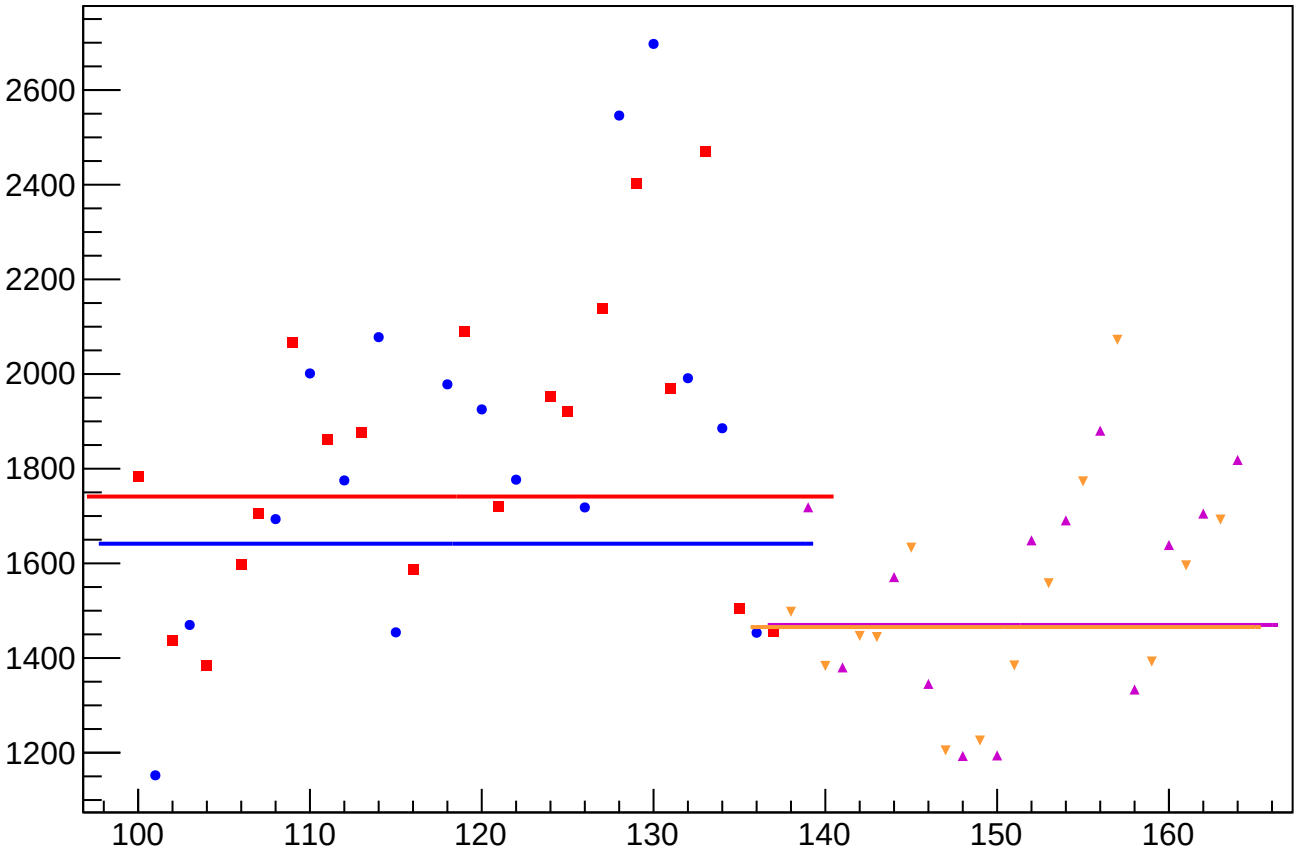
Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1103.229+/-0.183 χ^2/NDF:17229.0/28

Out: 1105.748+/-0.181 χ^2/NDF:13590.4/32

All: 1104.503+/-0.128 χ^2/NDF: 30915.5/61


asym_usr_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 47.813+/-628.059 χ²/NDF: 16.9/15
Left Out: 756.941+/-444.056 χ²/NDF:15.4/13
Right Out: -738.188+/-647.795 χ²/NDF: 14.9/18
Left In: 257.193+/-450.268 χ²/NDF:12.1/12
Left: 510.539+/-316.168 χ²/NDF: 28.1/26
Right: -333.032+/-450.921 χ²/NDF: 32.6/34
In: 186.112+/-365.942 χ²/NDF:29.0/28
Out: 278.980+/-366.264 χ²/NDF:33.9/32
All: 232.505+/-258.874 χ²/NDF: 63.0/61



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1465.446+/-0.314 χ^2/NDF:411421.6/13

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1469.867+/-0.318 χ^2/NDF:489495.0/12

Left: 1467.626+/-0.224 χ^2/NDF: 901014.4/26

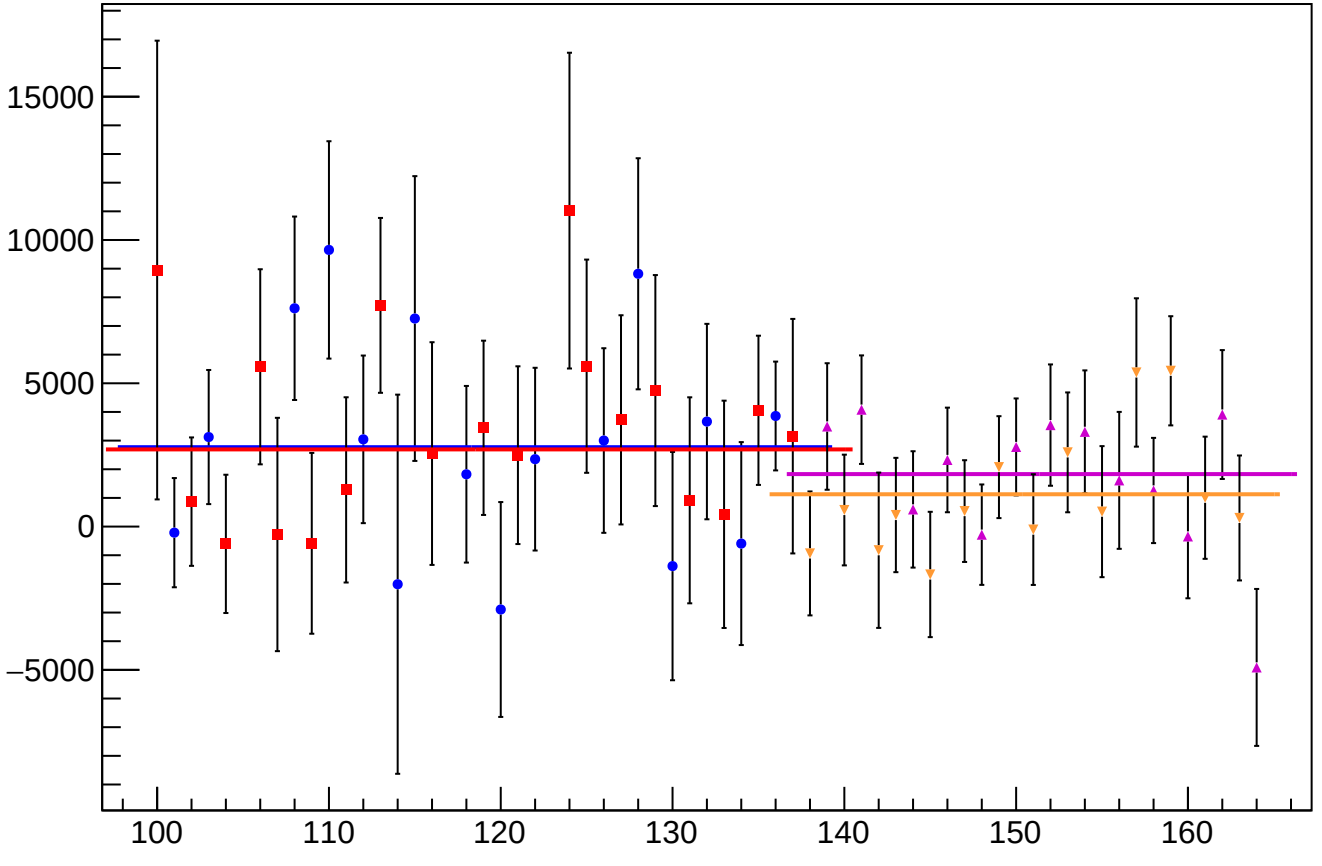
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1528.146+/-0.259 χ^2/NDF:1289488.3/28

Out: 1553.598+/-0.259 χ^2/NDF:1096298.5/32

All: 1540.861+/-0.183 χ^2/NDF: 2390619.9/61

asym_usr_mean vs Slug, Sign Corrected



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1127.636+/-554.233 χ^2/NDF:12.6/13

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 1831.171+/-562.493 χ^2/NDF:13.4/12

Left: 1474.200+/-394.790 χ^2/NDF: 26.7/26

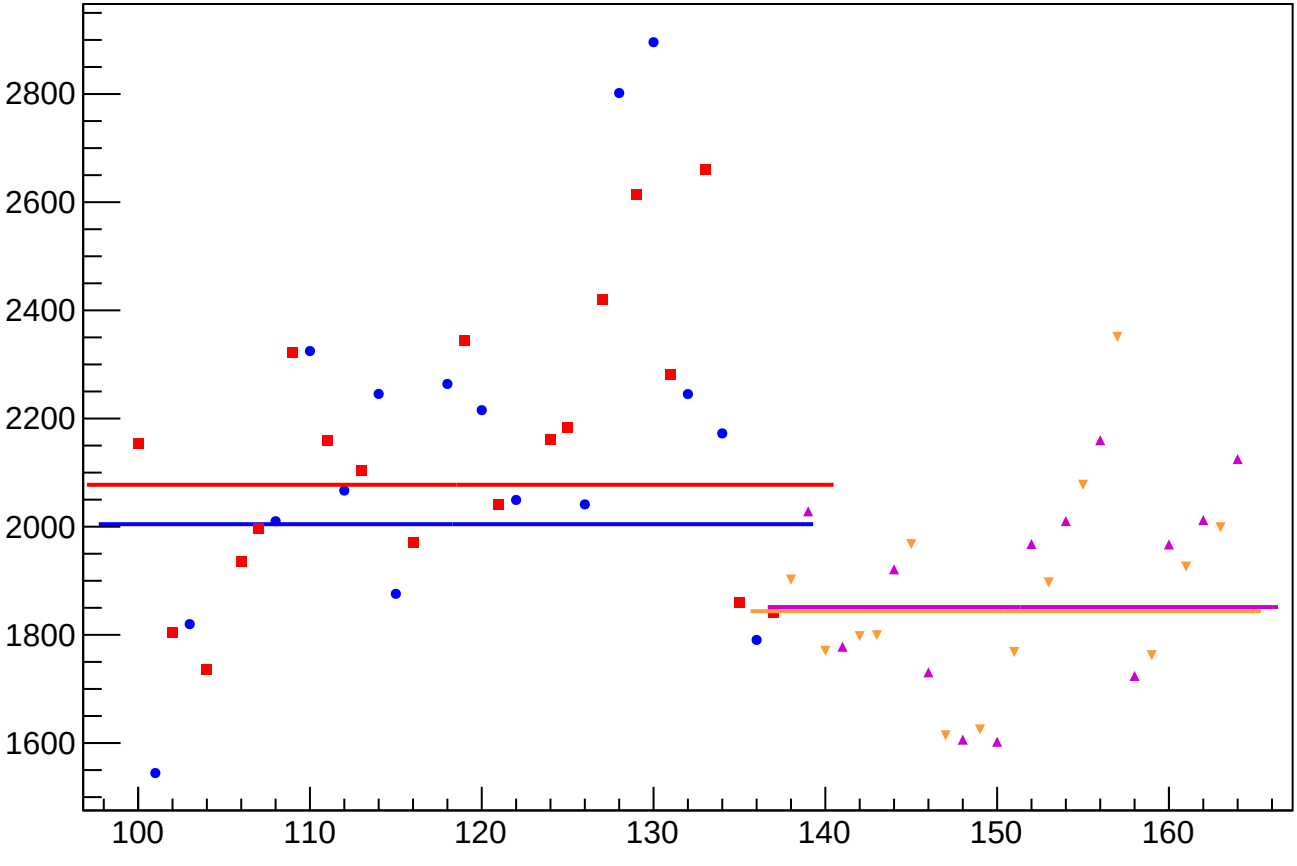
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2165.057+/-451.518 χ^2/NDF:30.8/28

Out: 1665.628+/-448.974 χ^2/NDF:27.9/32

All: 1913.932+/-318.368 χ^2/NDF: 59.3/61

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1843.751+/-0.392 χ^2/NDF:194892.1/13

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1851.375+/-0.398 χ^2/NDF:205423.9/12

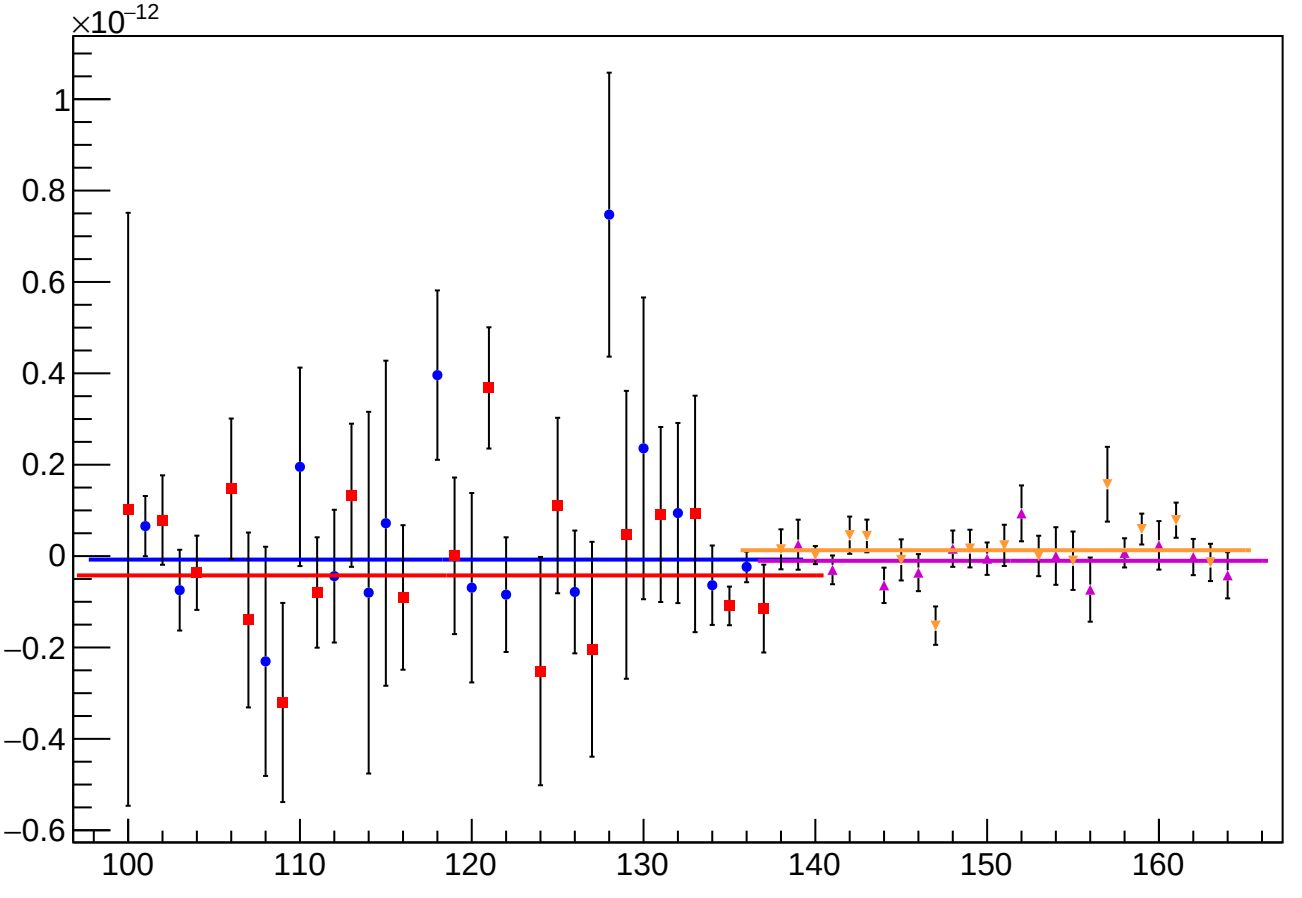
Left: 1847.507+/-0.279 χ^2/NDF: 400502.4/26

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

In: 1905.884+/-0.319 χ^2/NDF:645797.6/28

Out: 1924.107+/-0.317 χ^2/NDF:547669.0/32

All: 1915.047+/-0.225 χ^2/NDF: 1195104.7/61



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/12

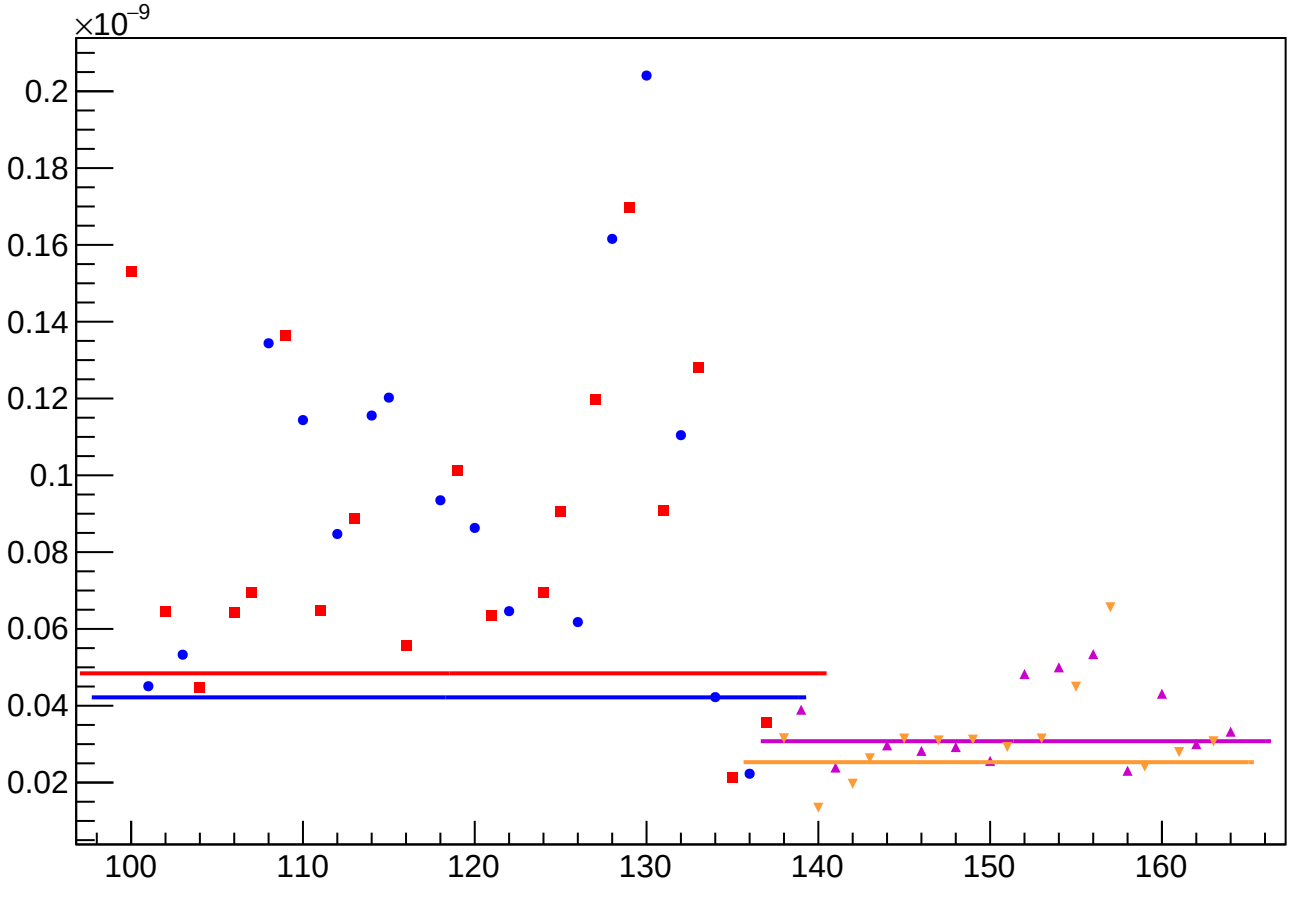
Left: 0.000+/-0.000 χ^2/NDF: 36.6/26

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

In: -0.000+/-0.000 χ^2/NDF:24.9/28

Out: 0.000+/-0.000 χ^2/NDF:51.4/32

All: -0.000+/-0.000 χ^2/NDF: 77.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1687667.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:982472.0/12

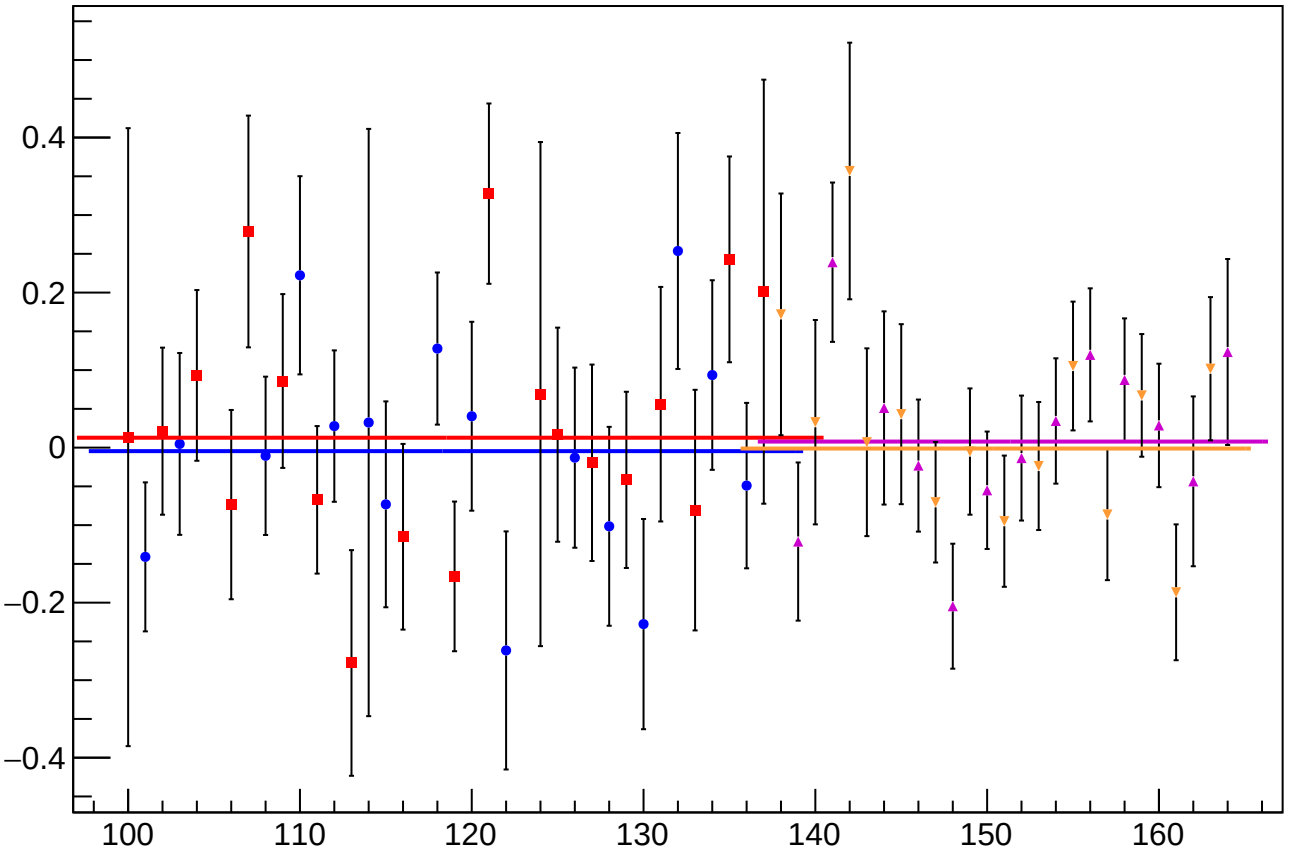
Left: 0.000+/-0.000 χ^2/NDF: 2914258.6/26

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

In: 0.000+/-0.000 χ^2/NDF:4273227.3/28

Out: 0.000+/-0.000 χ^2/NDF:5575710.5/32

All: 0.000+/-0.000 χ^2/NDF: 10072333.6/61



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.001+/-0.025 χ^2/NDF:17.3/13

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.008+/-0.025 χ^2/NDF:18.6/12

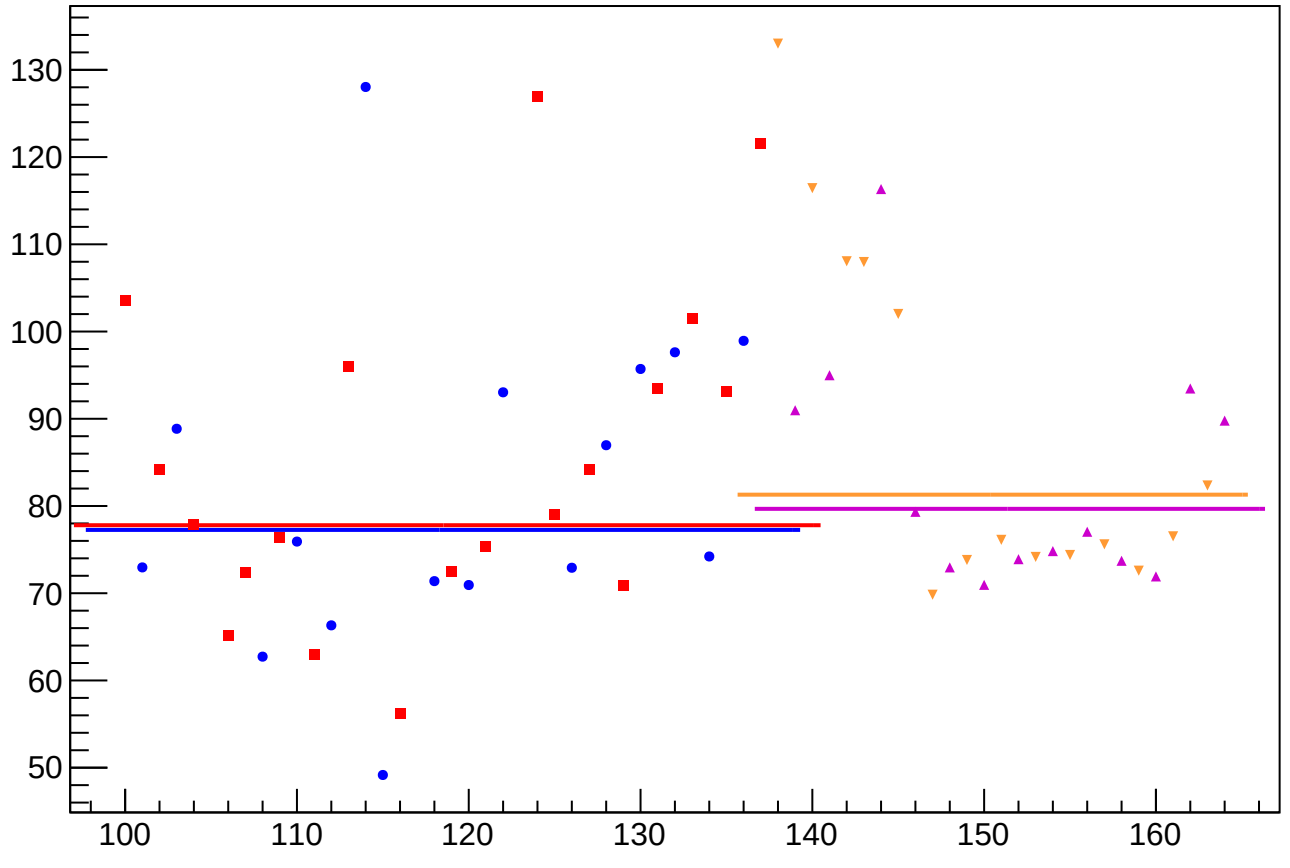
Left: 0.003+/-0.018 χ^2/NDF: 36.1/26

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.003+/-0.019 χ^2/NDF:36.0/28

Out: 0.005+/-0.019 χ^2/NDF:43.0/32

All: 0.004+/-0.014 χ^2/NDF: 79.0/61



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.299+/-0.018 χ^2/NDF:711290.3/13

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.674+/-0.017 χ^2/NDF:377814.6/12

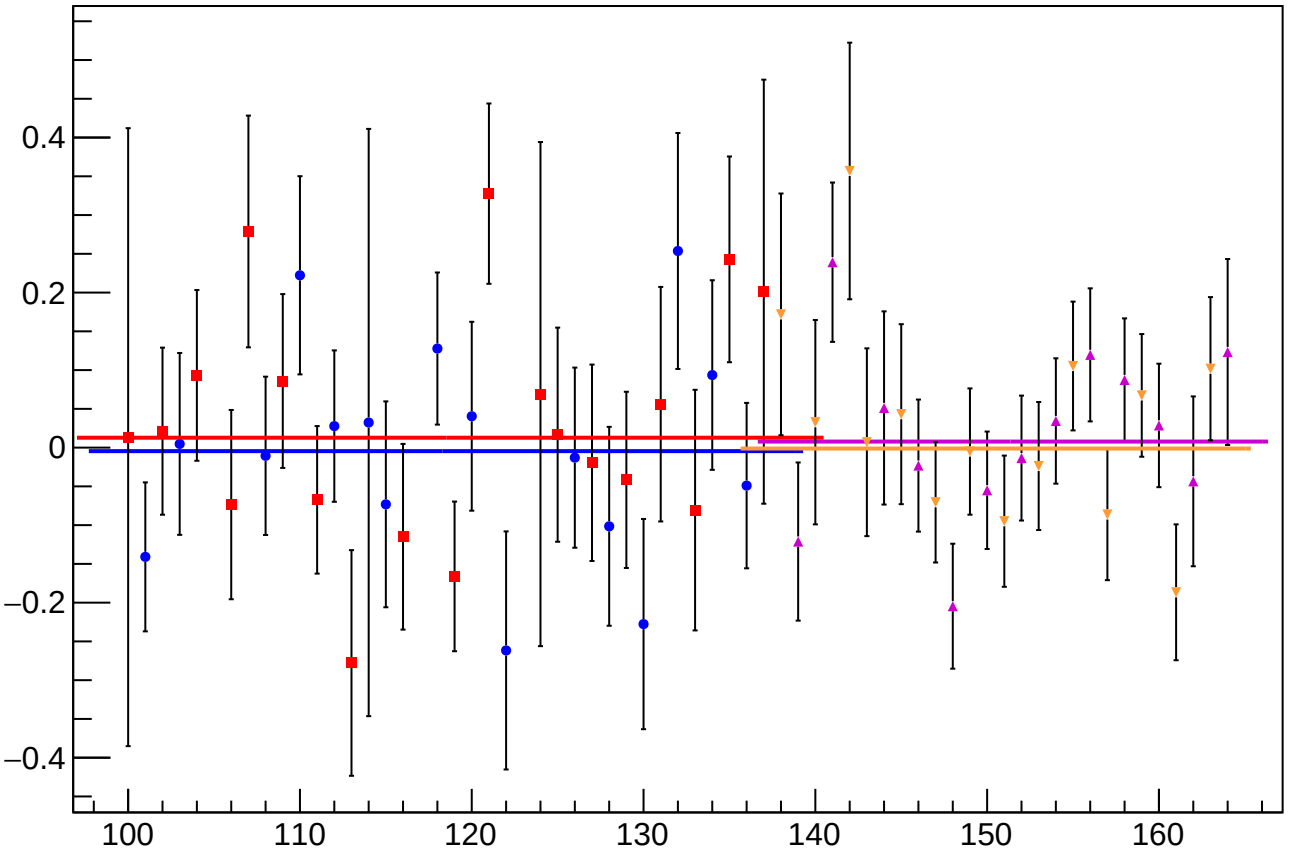
Left: 80.471+/-0.012 χ^2/NDF: 1093334.3/26

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

In: 78.698+/-0.014 χ^2/NDF:804804.3/28

Out: 79.832+/-0.014 χ^2/NDF:1123913.8/32

All: 79.261+/-0.010 χ^2/NDF: 1932220.9/61



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.001+/-0.025 χ^2/NDF:17.3/13

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.008+/-0.025 χ^2/NDF:18.6/12

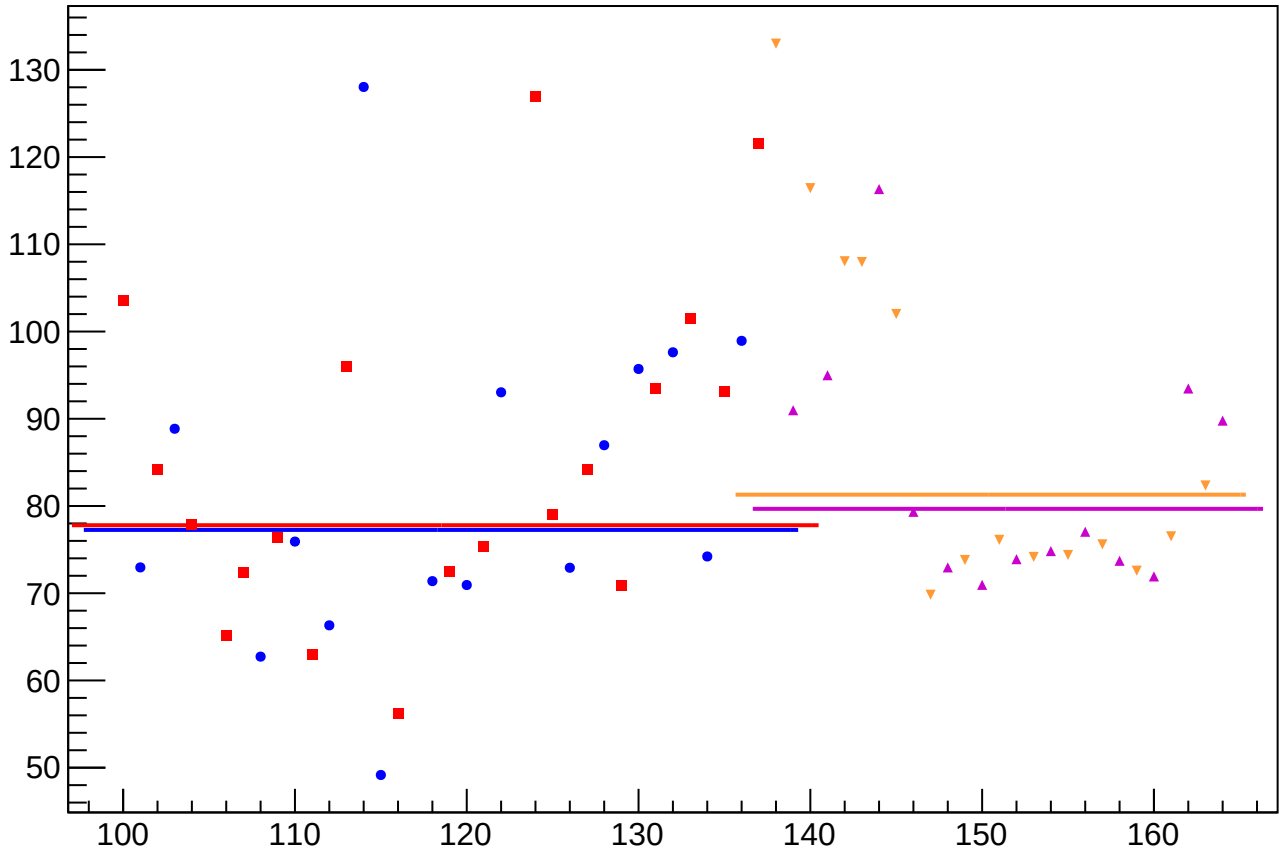
Left: 0.003+/-0.018 χ^2/NDF: 36.1/26

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.003+/-0.019 χ^2/NDF:36.0/28

Out: 0.005+/-0.019 χ^2/NDF:43.0/32

All: 0.004+/-0.014 χ^2/NDF: 79.0/61



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.299+/-0.018 χ^2/NDF:711290.3/13

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.674+/-0.017 χ^2/NDF:377814.6/12

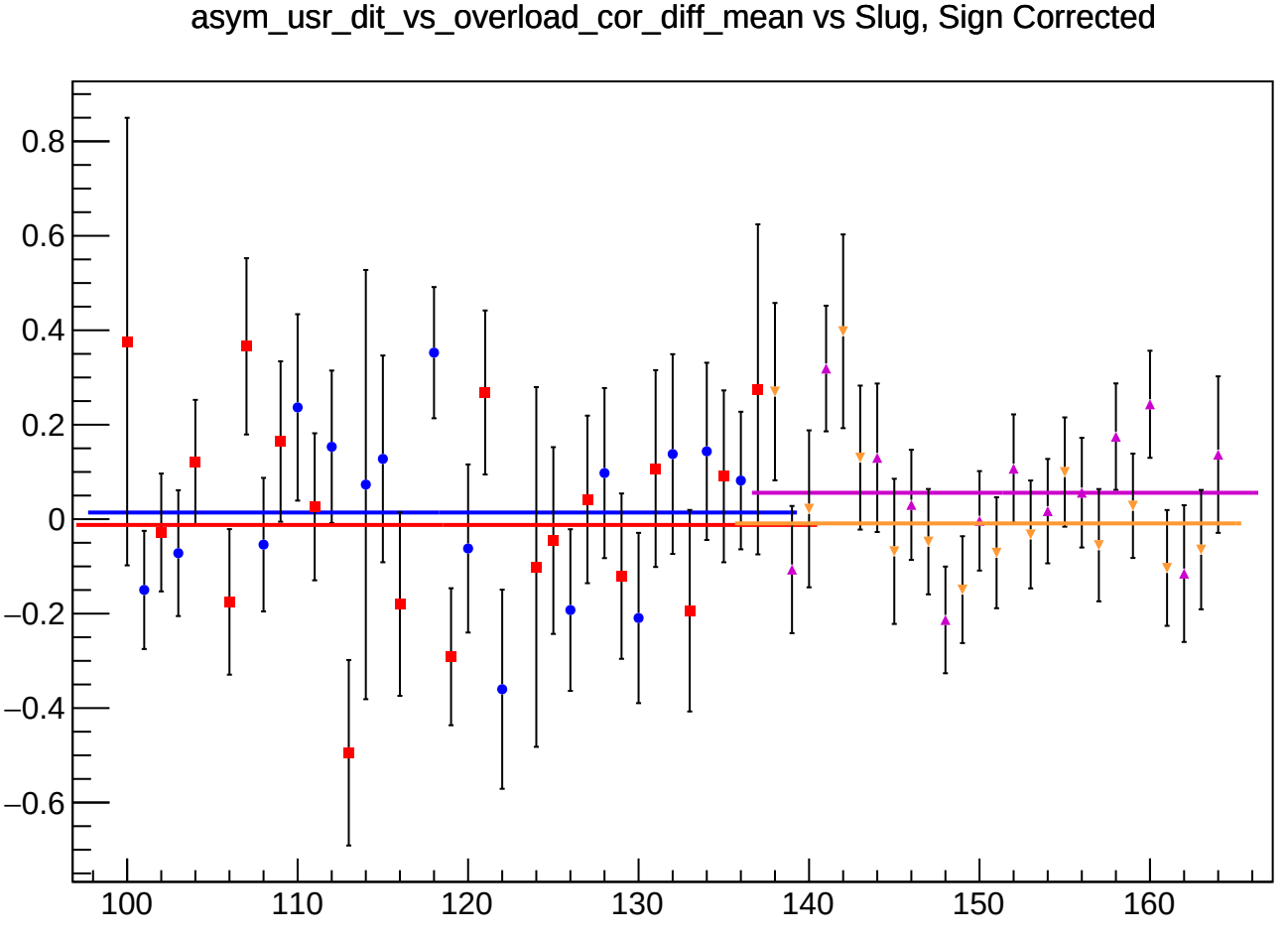
Left: 80.471+/-0.012 χ^2/NDF: 1093334.3/26

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

In: 78.698+/-0.014 χ^2/NDF:804804.3/28

Out: 79.832+/-0.014 χ^2/NDF:1123913.8/32

All: 79.261+/-0.010 χ^2/NDF: 1932220.9/61



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

Left Out: -0.009+/-0.035 χ^2/NDF:11.1/13

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

Left In: 0.056+/-0.034 χ^2/NDF:17.4/12

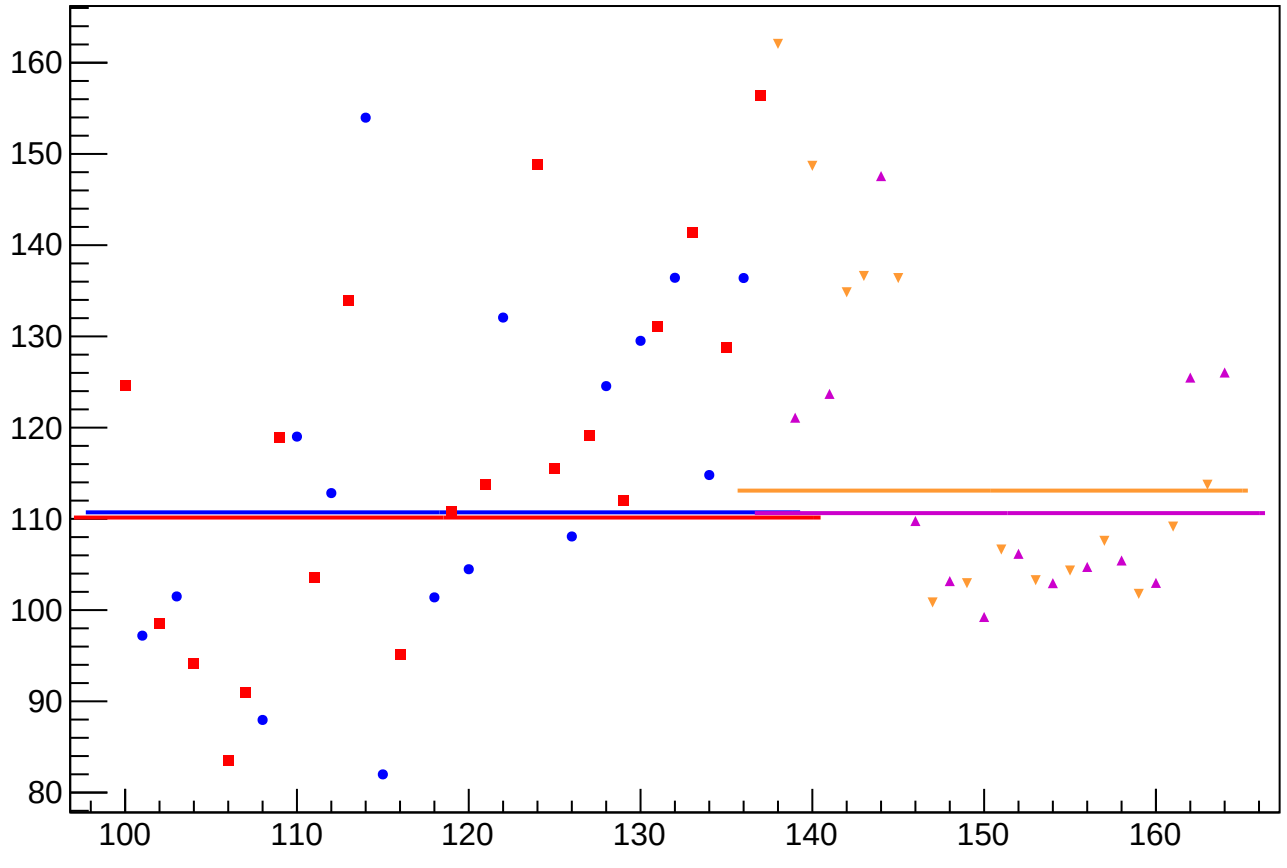
Left: 0.024+/-0.024 χ^2/NDF: 30.3/26

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.039+/-0.026 χ^2/NDF:36.2/28

Out: -0.010+/-0.027 χ^2/NDF:34.8/32

All: 0.015+/-0.019 χ^2/NDF: 72.8/61



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.097+/-0.024 χ^2/NDF:443869.3/13

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 110.630+/-0.024 χ^2/NDF:243502.3/12

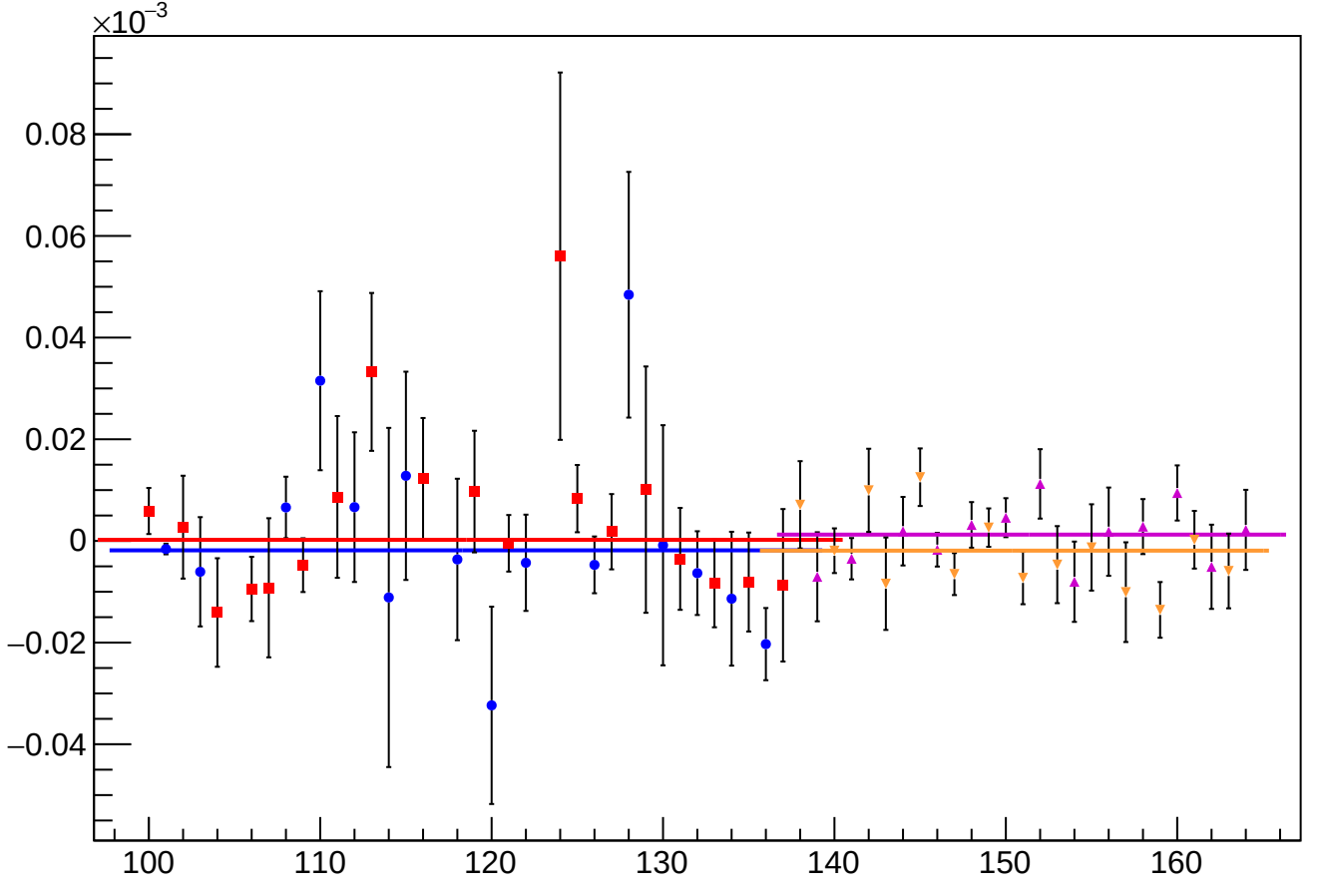
Left: 111.843+/-0.017 χ^2/NDF: 692557.9/26

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

In: 110.663+/-0.019 χ^2/NDF:543479.9/28

Out: 111.882+/-0.019 χ^2/NDF:776607.9/32

All: 111.272+/-0.013 χ^2/NDF: 1322205.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/12

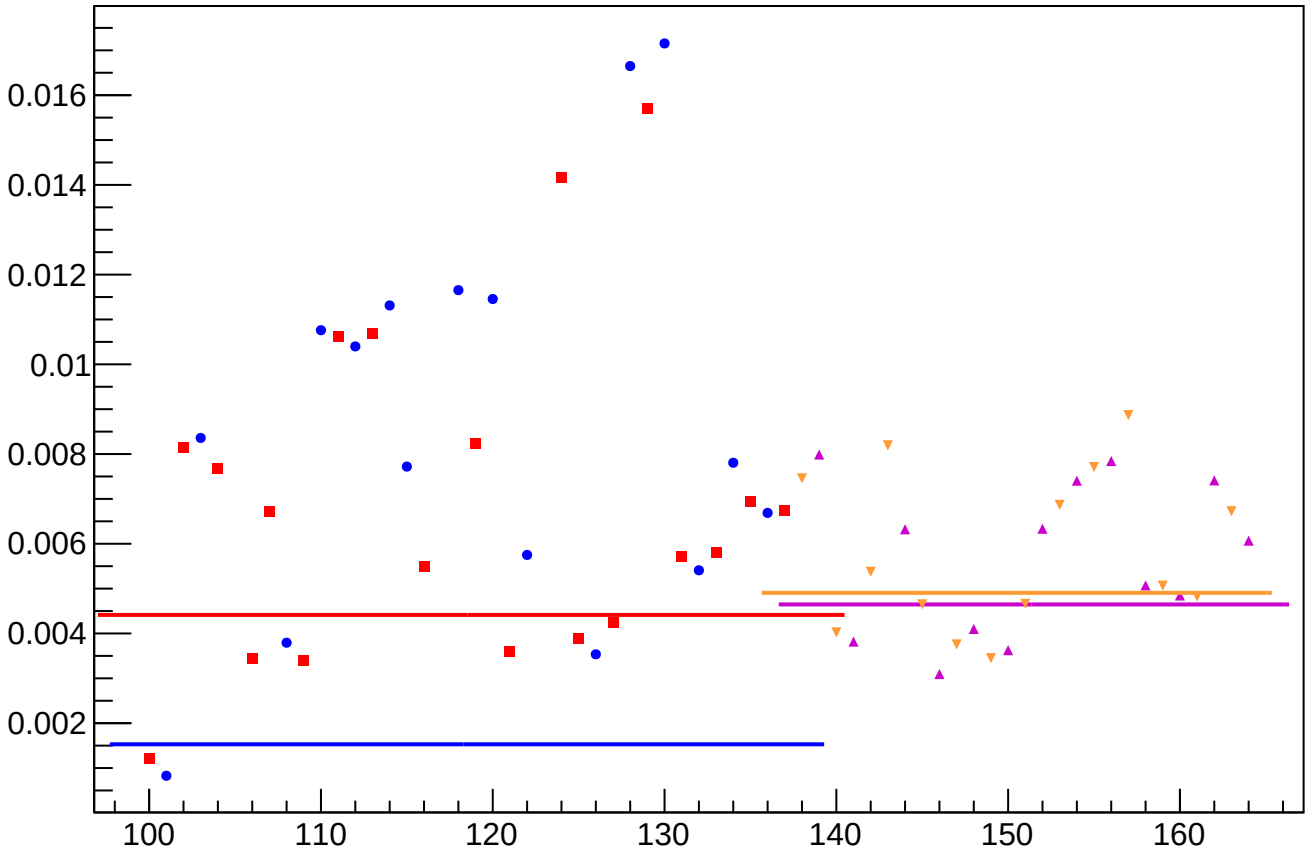
Left: -0.000+/-0.000 χ^2/NDF: 32.4/26

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

In: -0.000+/-0.000 χ^2/NDF:34.9/28

Out: -0.000+/-0.000 χ^2/NDF:40.4/32

All: -0.000+/-0.000 χ^2/NDF: 75.3/61



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1788869.5/13

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2047012.1/12

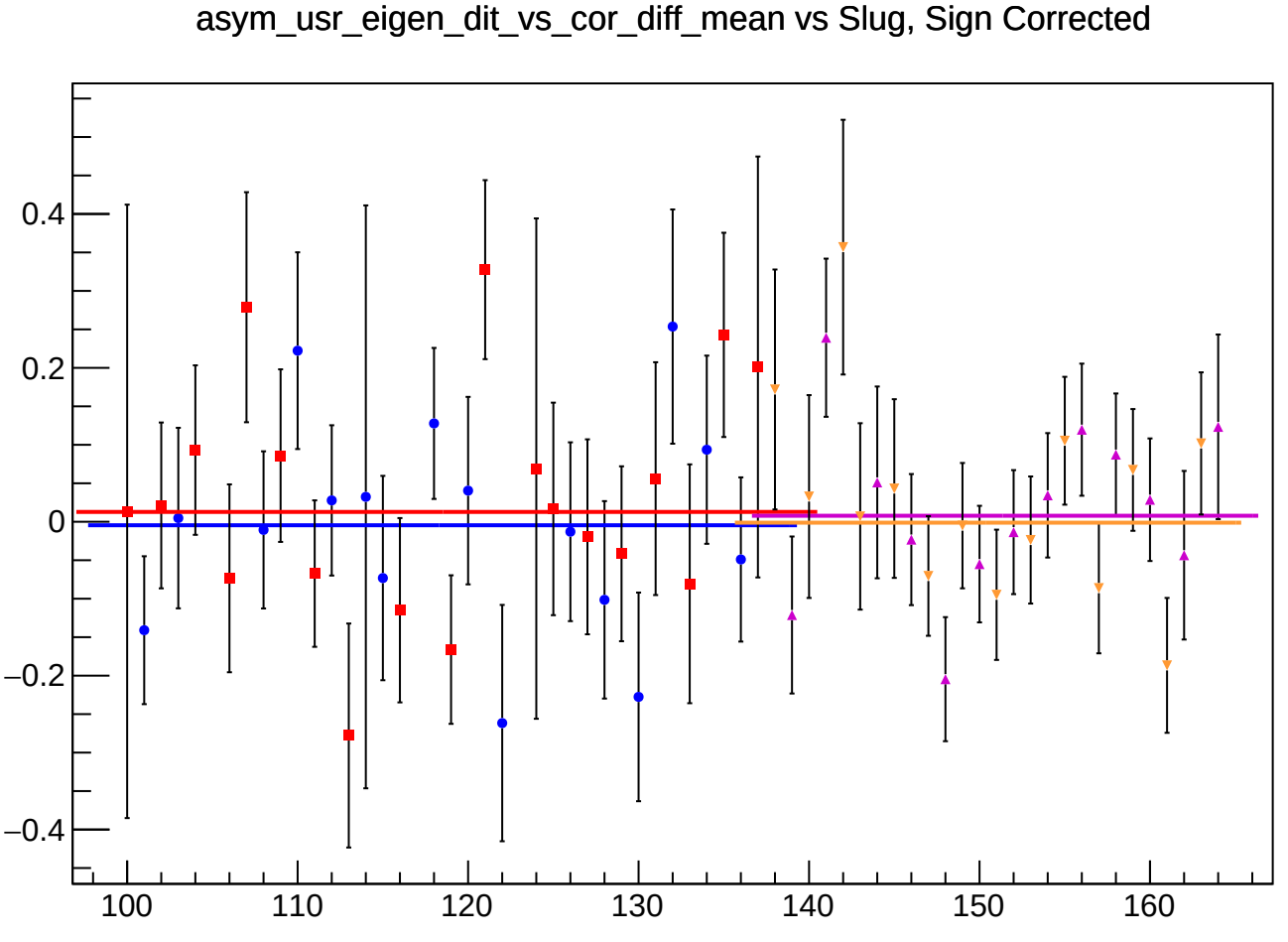
Left: 0.005+/-0.000 χ^2/NDF: 3864888.6/26

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

In: 0.002+/-0.000 χ^2/NDF:17440818.9/28

Out: 0.005+/-0.000 χ^2/NDF:5256155.6/32

All: 0.003+/-0.000 χ^2/NDF: 27442669.7/61



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.001+/-0.025 χ^2/NDF:17.4/13

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.008+/-0.025 χ^2/NDF:18.6/12

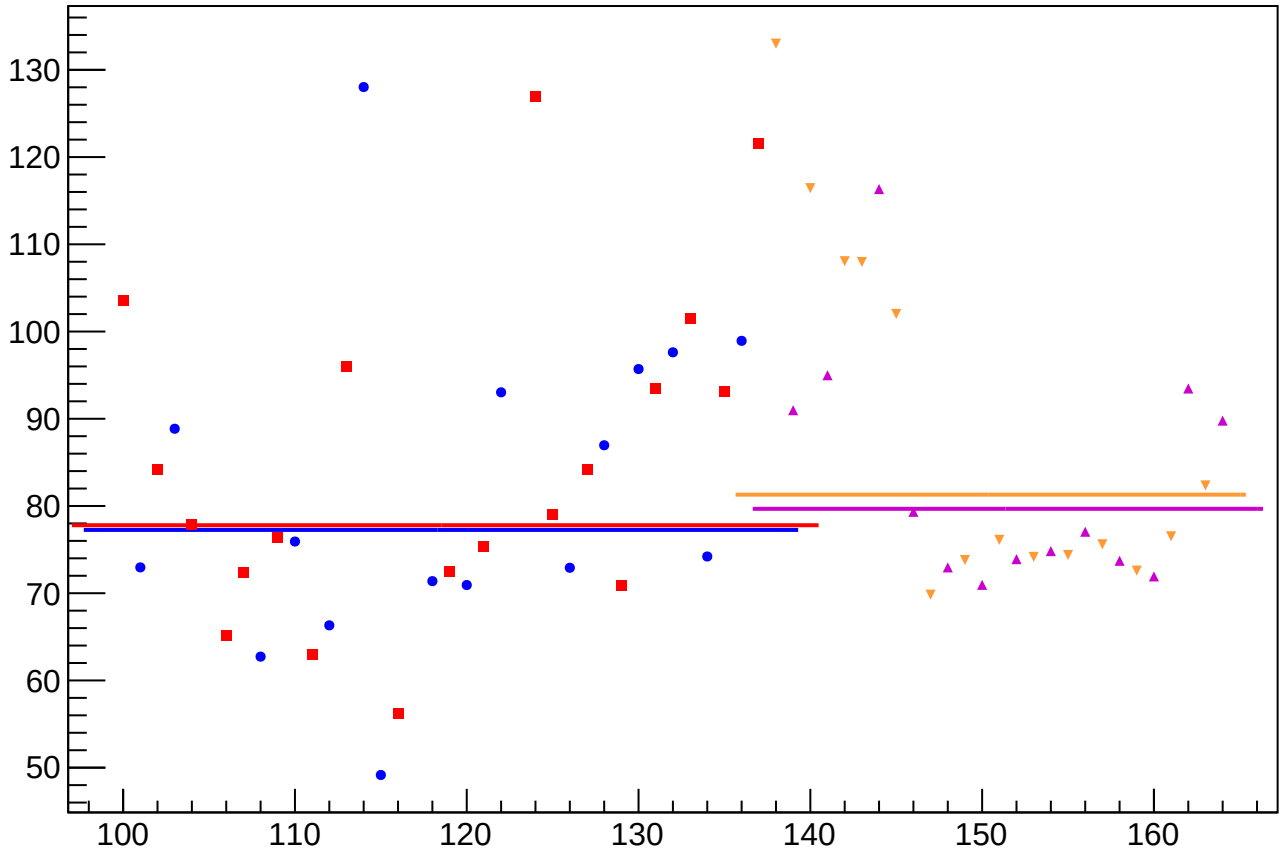
Left: 0.003+/-0.018 χ^2/NDF: 36.1/26

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.003+/-0.019 χ^2/NDF:36.0/28

Out: 0.005+/-0.019 χ^2/NDF:43.0/32

All: 0.004+/-0.014 χ^2/NDF: 79.0/61



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.300+/-0.018 χ^2/NDF:711288.0/13

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.674+/-0.017 χ^2/NDF:377819.0/12

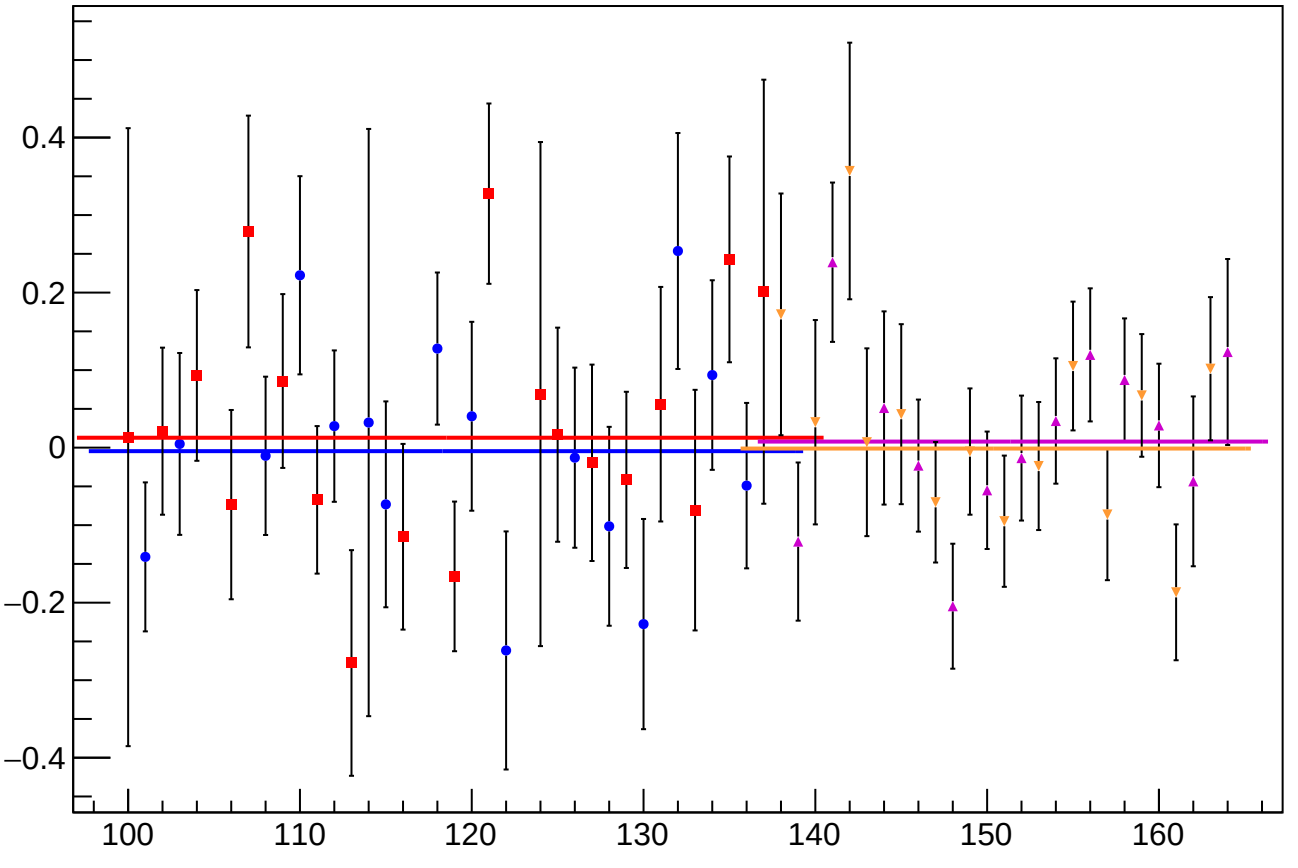
Left: 80.471+/-0.012 χ^2/NDF: 1093337.4/26

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

In: 78.698+/-0.014 χ^2/NDF:804807.4/28

Out: 79.832+/-0.014 χ^2/NDF:1123927.8/32

All: 79.261+/-0.010 χ^2/NDF: 1932238.4/61



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.001+/-0.025 χ^2/NDF:17.4/13

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.008+/-0.025 χ^2/NDF:18.6/12

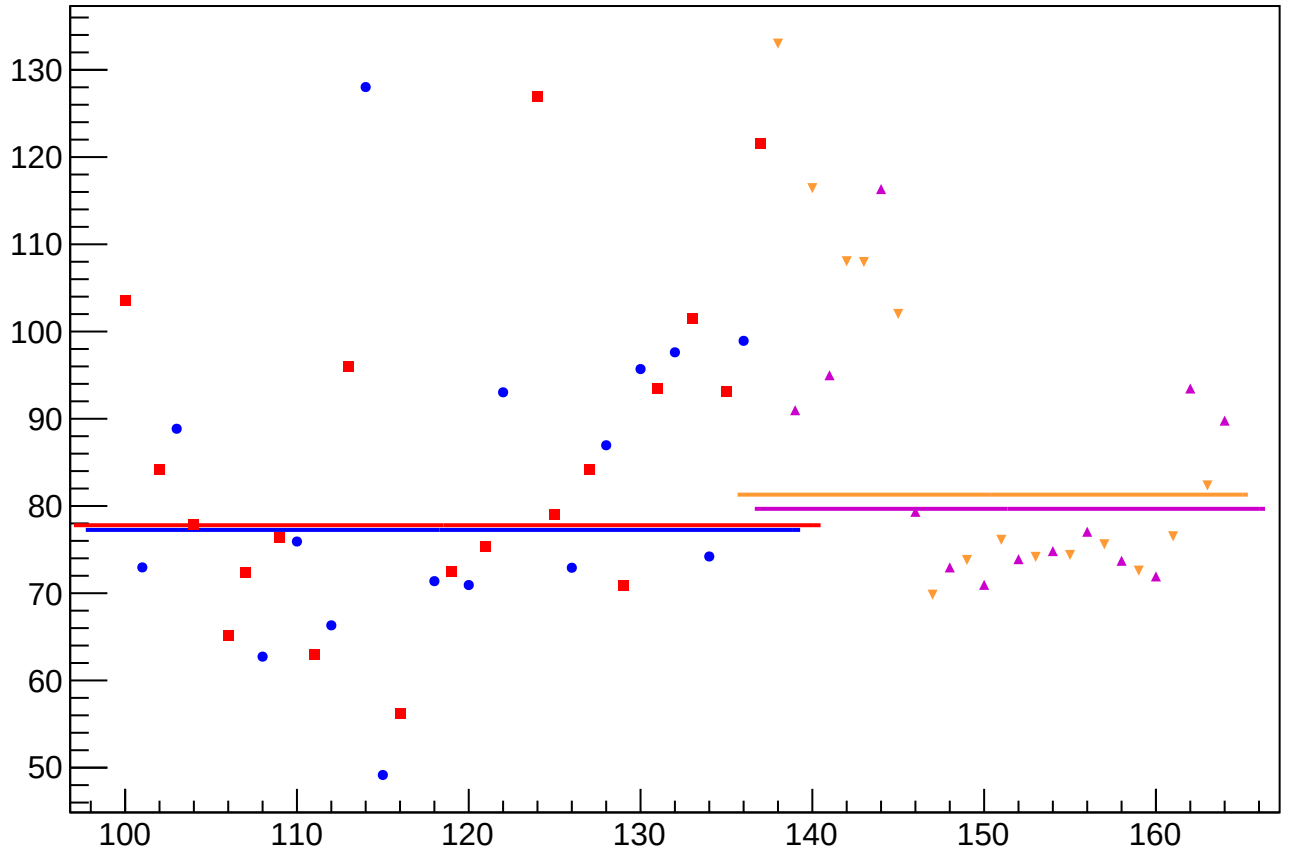
Left: 0.003+/-0.018 χ^2/NDF: 36.1/26

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: 0.003+/-0.019 χ^2/NDF:36.0/28

Out: 0.005+/-0.019 χ^2/NDF:43.0/32

All: 0.004+/-0.014 χ^2/NDF: 79.0/61



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.300+/-0.018 χ^2/NDF:711288.0/13

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.674+/-0.017 χ^2/NDF:377819.0/12

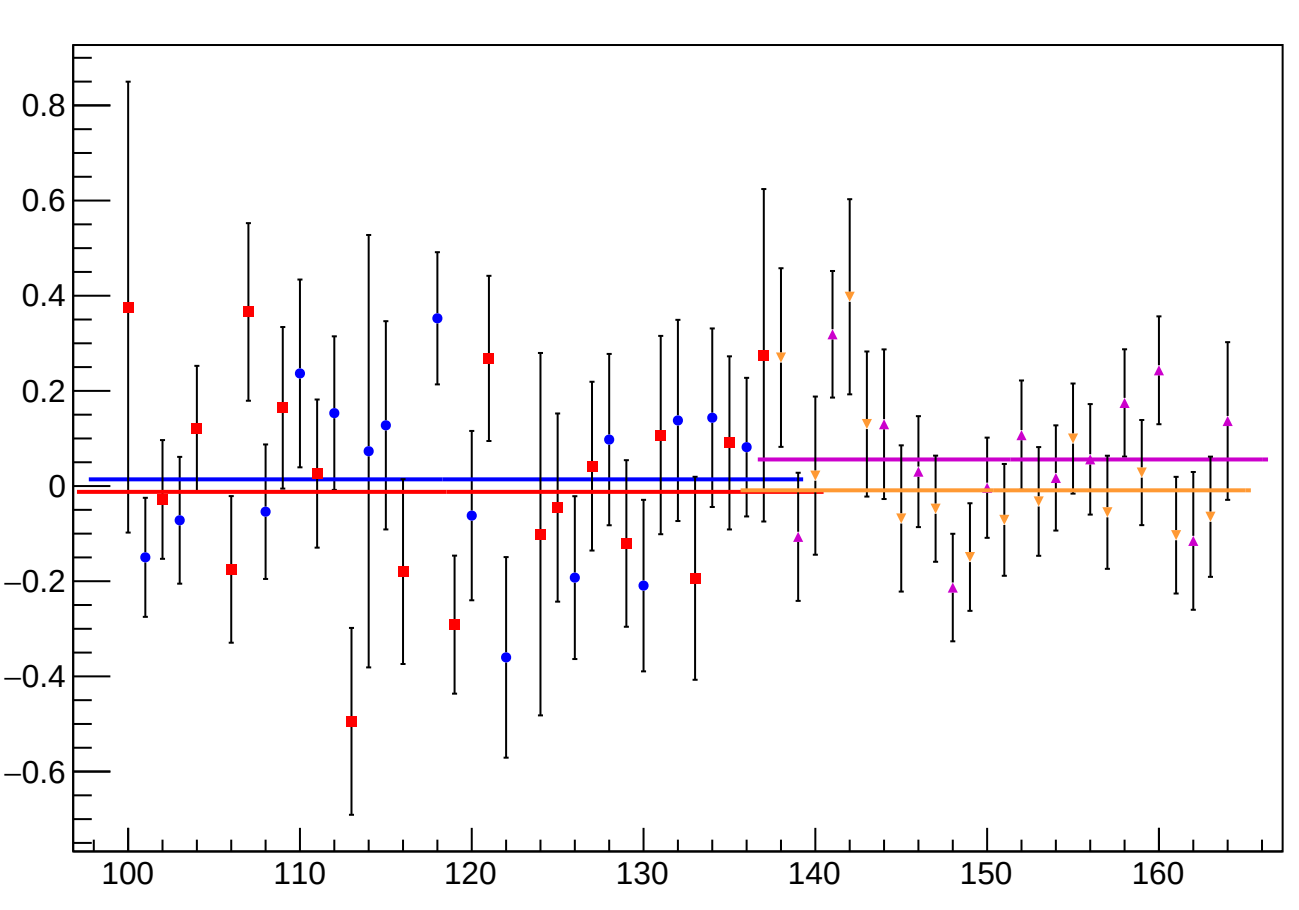
Left: 80.471+/-0.012 χ^2/NDF: 1093337.4/26

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

In: 78.698+/-0.014 χ^2/NDF:804807.4/28

Out: 79.832+/-0.014 χ^2/NDF:1123927.8/32

All: 79.261+/-0.010 χ^2/NDF: 1932238.4/61



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

Left Out: -0.009+/-0.035 χ^2/NDF:11.1/13

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

Left In: 0.056+/-0.034 χ^2/NDF:17.4/12

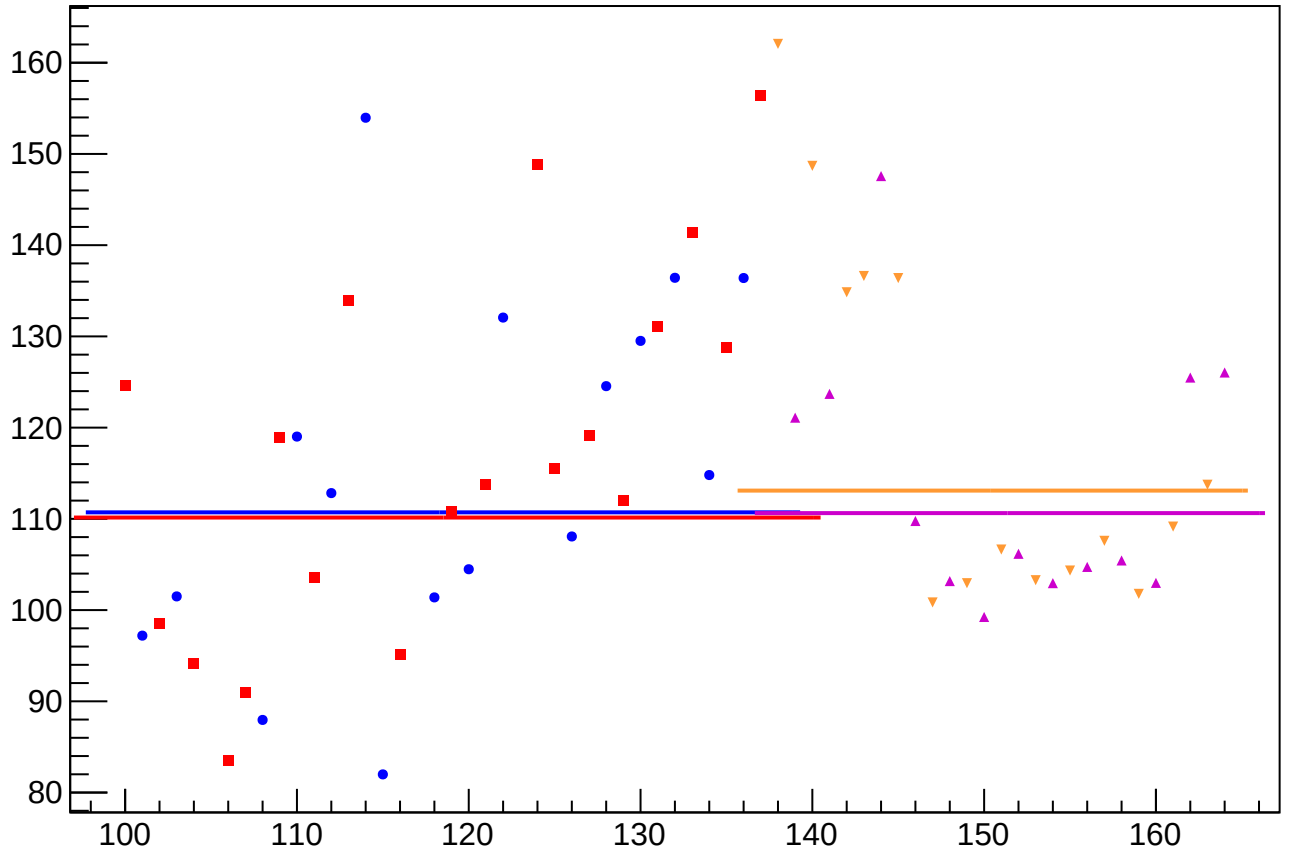
Left: 0.024+/-0.024 χ^2/NDF: 30.3/26

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.039+/-0.026 χ^2/NDF:36.2/28

Out: -0.010+/-0.027 χ^2/NDF:34.8/32

All: 0.015+/-0.019 χ^2/NDF: 72.8/61



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

Left Out: 113.098+/-0.024 χ^2/NDF:443867.0/13

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

Left In: 110.630+/-0.024 χ^2/NDF:243505.4/12

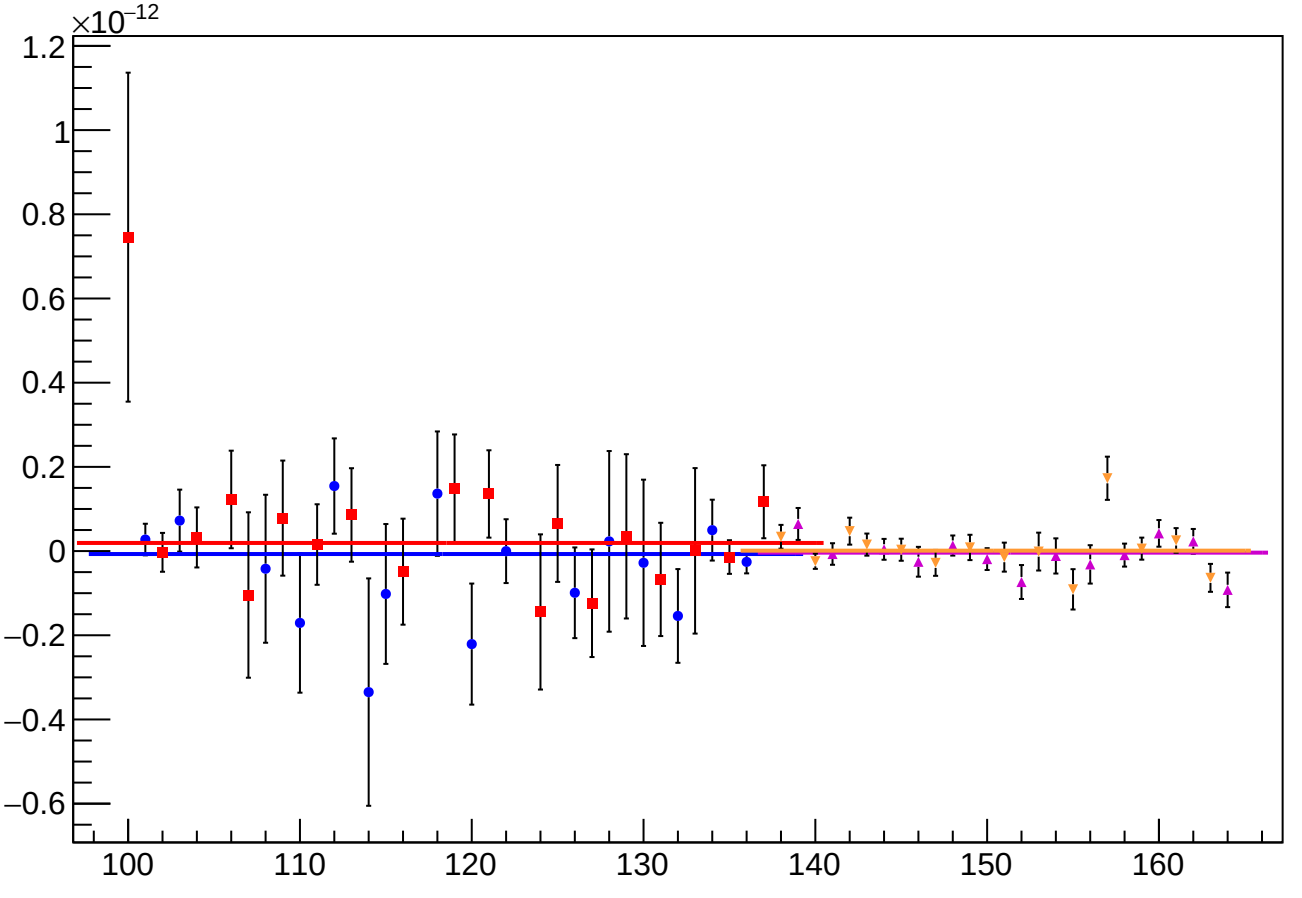
Left: 111.843+/-0.017 χ^2/NDF: 692559.2/26

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

In: 110.663+/-0.019 χ^2/NDF:543458.3/28

Out: 111.882+/-0.019 χ^2/NDF:776580.6/32

All: 111.272+/-0.013 χ^2/NDF: 1322157.2/61



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

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:15.6/12

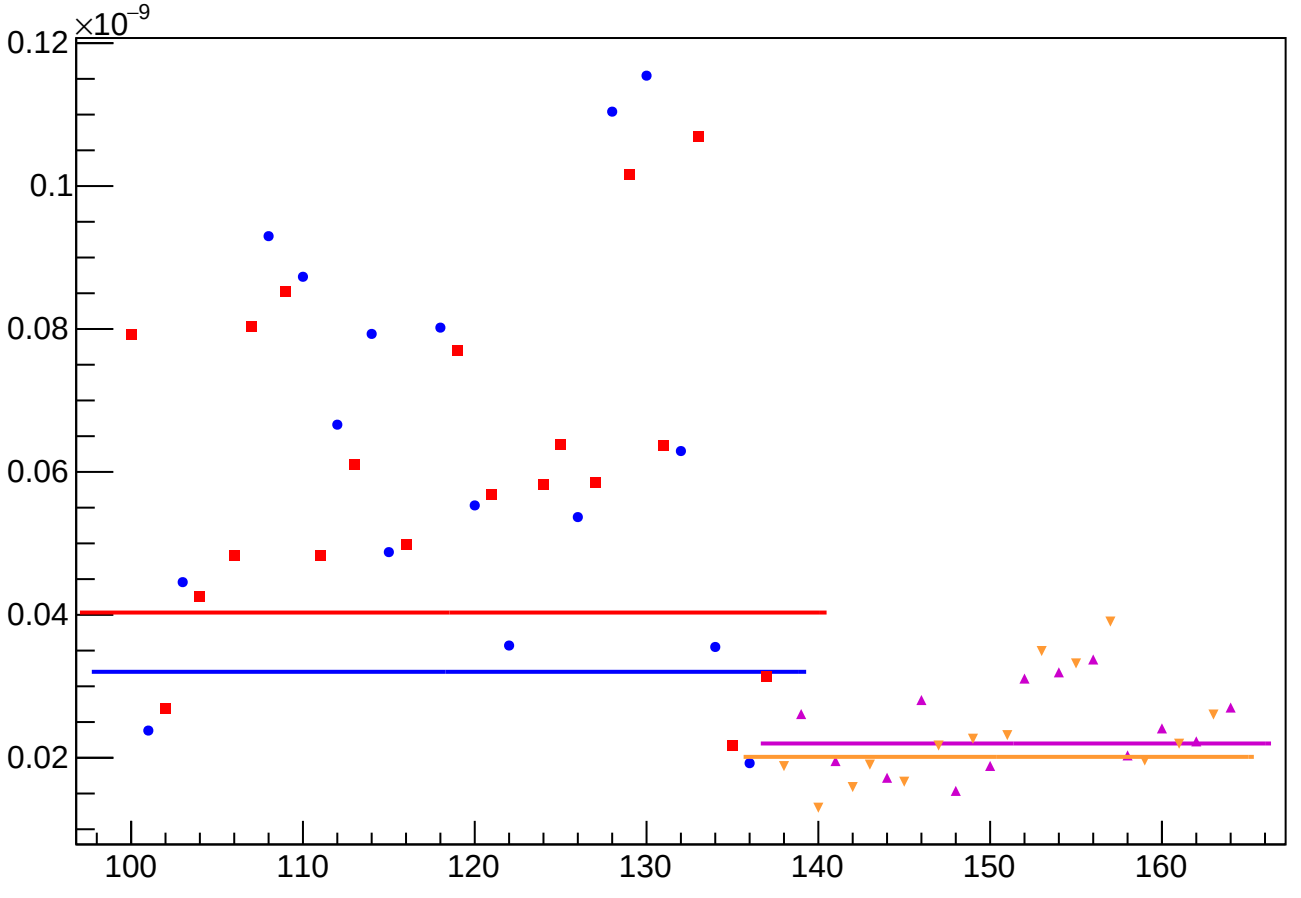
Left: -0.000+/-0.000 χ^2/NDF: 42.0/26

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:29.2/28

Out: 0.000+/-0.000 χ^2/NDF:39.5/32

All: -0.000+/-0.000 χ^2/NDF: 69.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1130824.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:754160.7/12

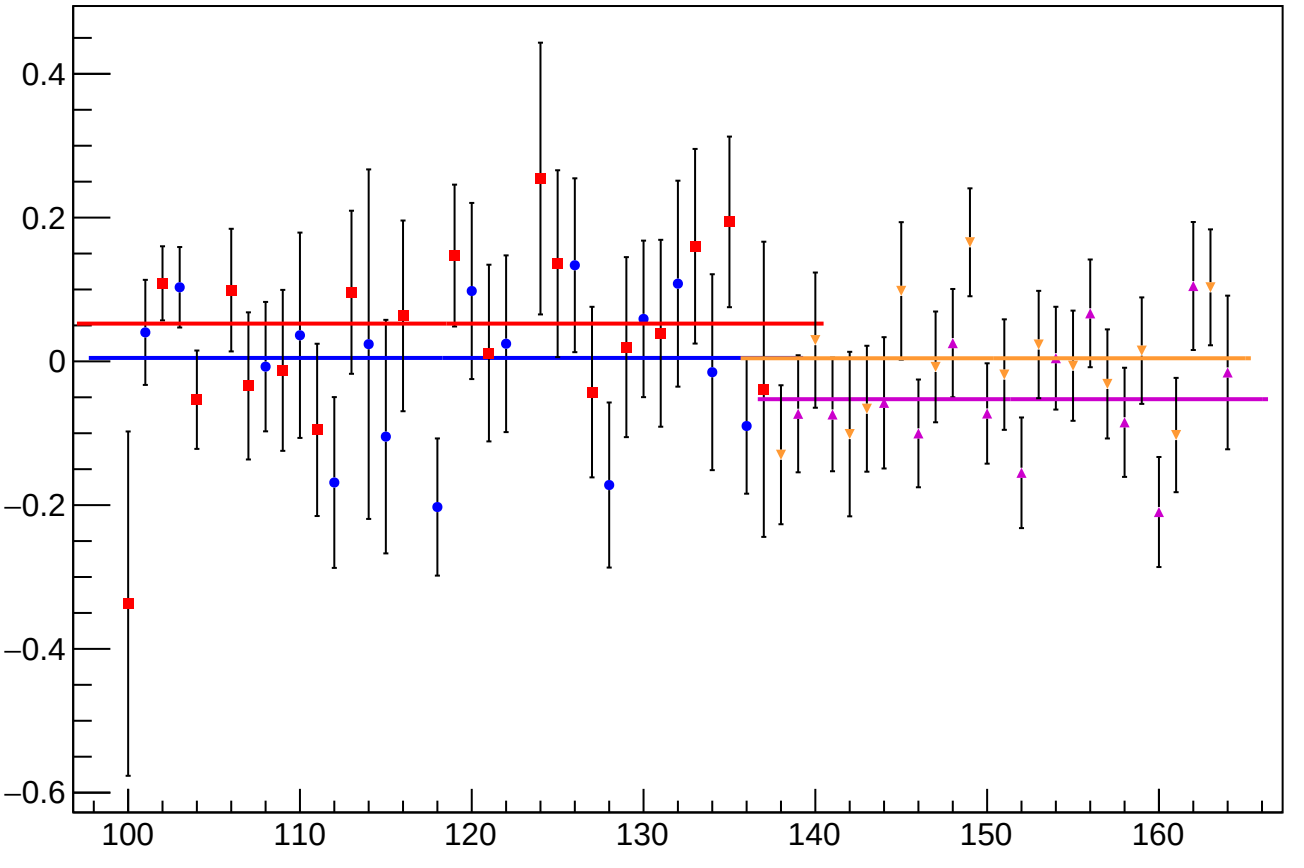
Left: 0.000+/-0.000 χ^2/NDF: 1936613.0/26

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

In: 0.000+/-0.000 χ^2/NDF:3723595.7/28

Out: 0.000+/-0.000 χ^2/NDF:4601346.6/32

All: 0.000+/-0.000 χ^2/NDF: 8352680.3/61



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.004+/-0.022 χ^2/NDF:12.8/13

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.053+/-0.022 χ^2/NDF:14.3/12

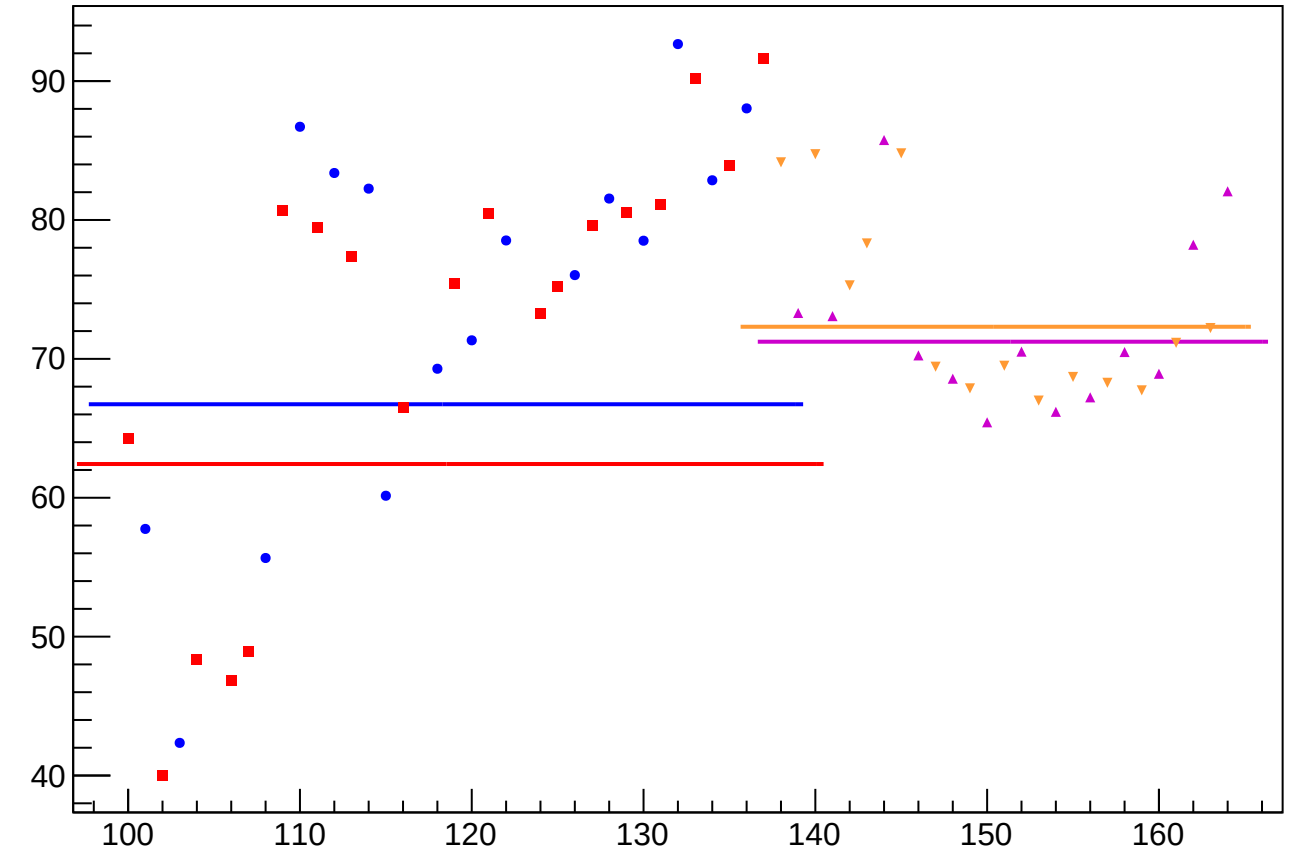
Left: -0.024+/-0.016 χ^2/NDF: 30.5/26

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.017 χ^2/NDF:33.8/28

Out: 0.026+/-0.016 χ^2/NDF:29.8/32

All: -0.000+/-0.012 χ^2/NDF: 69.1/61



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.312+/-0.016 χ^2/NDF:150497.0/13

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.235+/-0.015 χ^2/NDF:120294.5/12

Left: 71.771+/-0.011 χ^2/NDF: 273204.3/26

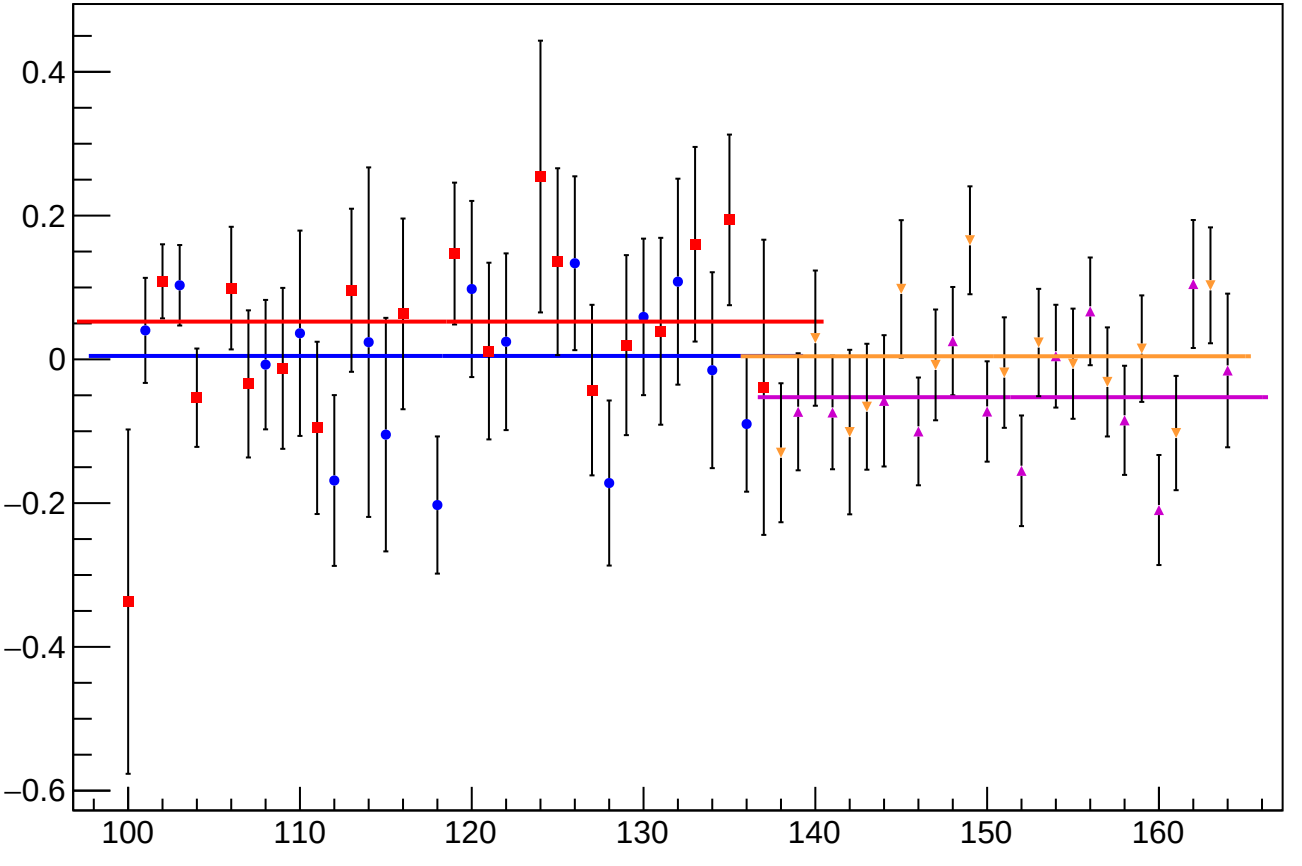
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.361+/-0.012 χ^2/NDF:972336.8/28

Out: 67.821+/-0.011 χ^2/NDF:1448244.0/32

All: 68.569+/-0.008 χ^2/NDF: 2429318.3/61

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.004+/-0.022 χ^2/NDF:12.8/13

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.053+/-0.022 χ^2/NDF:14.3/12

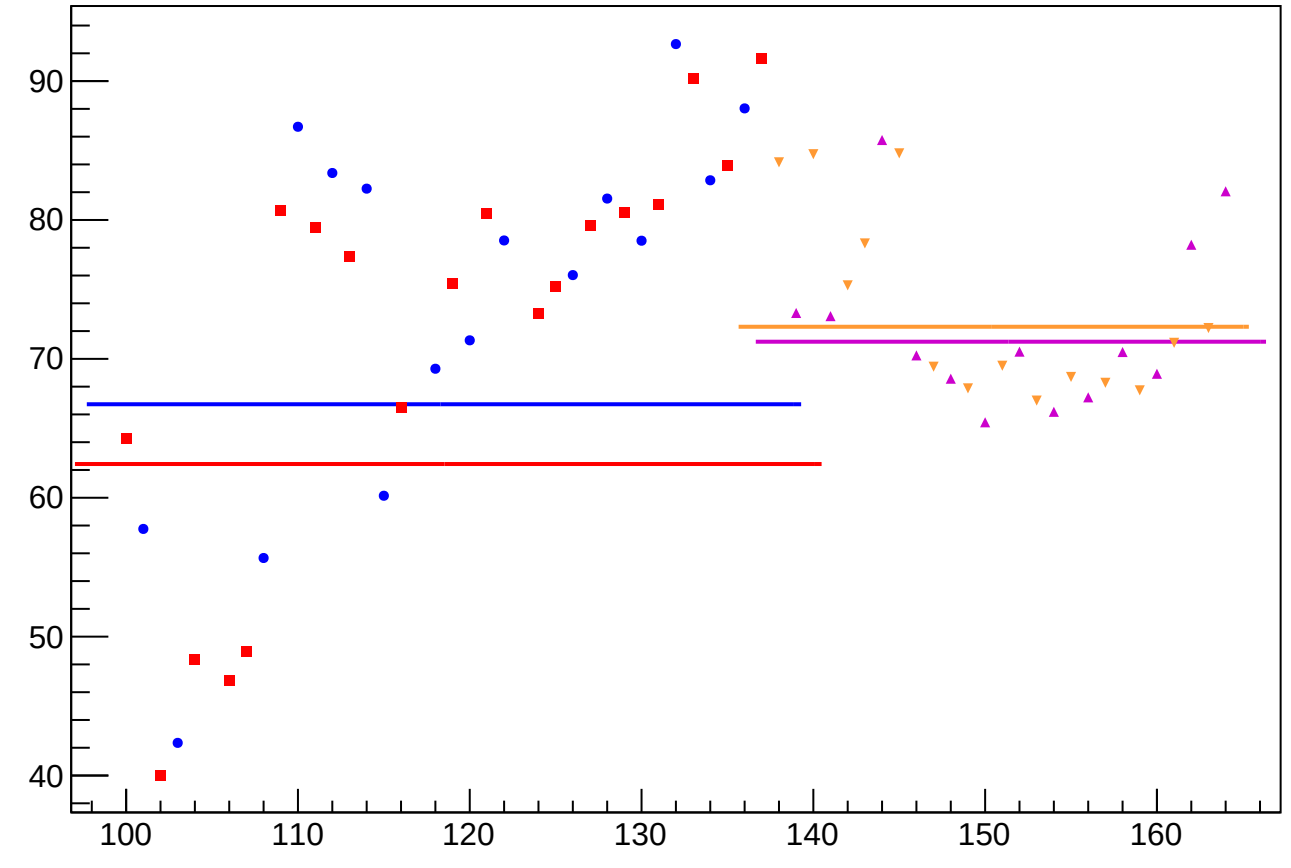
Left: -0.024+/-0.016 χ^2/NDF: 30.5/26

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.017 χ^2/NDF:33.8/28

Out: 0.026+/-0.016 χ^2/NDF:29.8/32

All: -0.000+/-0.012 χ^2/NDF: 69.1/61



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.312+/-0.016 χ^2/NDF:150497.0/13

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.235+/-0.015 χ^2/NDF:120294.5/12

Left: 71.771+/-0.011 χ^2/NDF: 273204.3/26

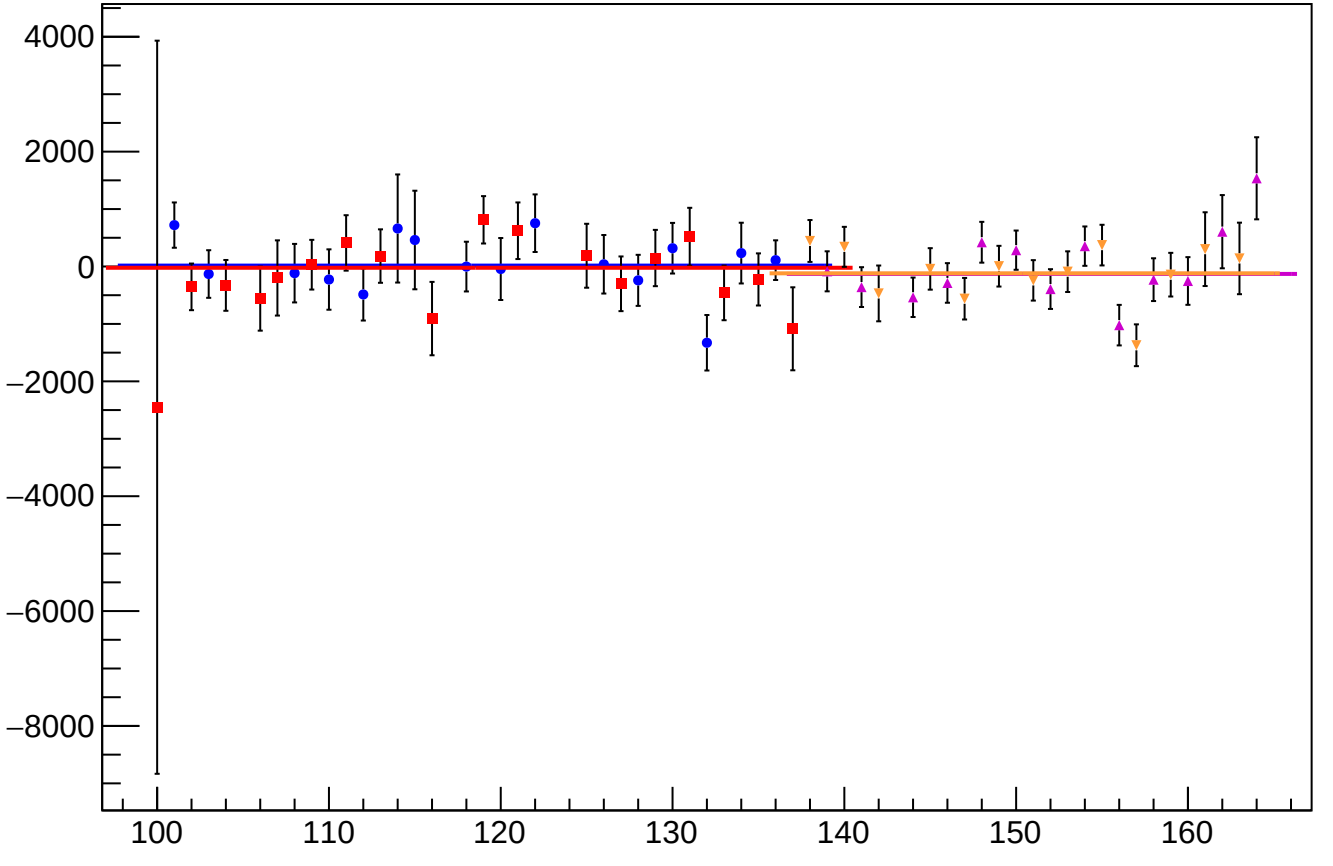
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.361+/-0.012 χ^2/NDF:972336.8/28

Out: 67.821+/-0.011 χ^2/NDF:1448244.0/32

All: 68.569+/-0.008 χ^2/NDF: 2429318.3/61

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -119.036+/-107.359 χ^2/NDF:20.8/12

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -129.396+/-104.107 χ^2/NDF:21.8/12

Left: -124.375+/-74.738 χ^2/NDF: 42.7/25

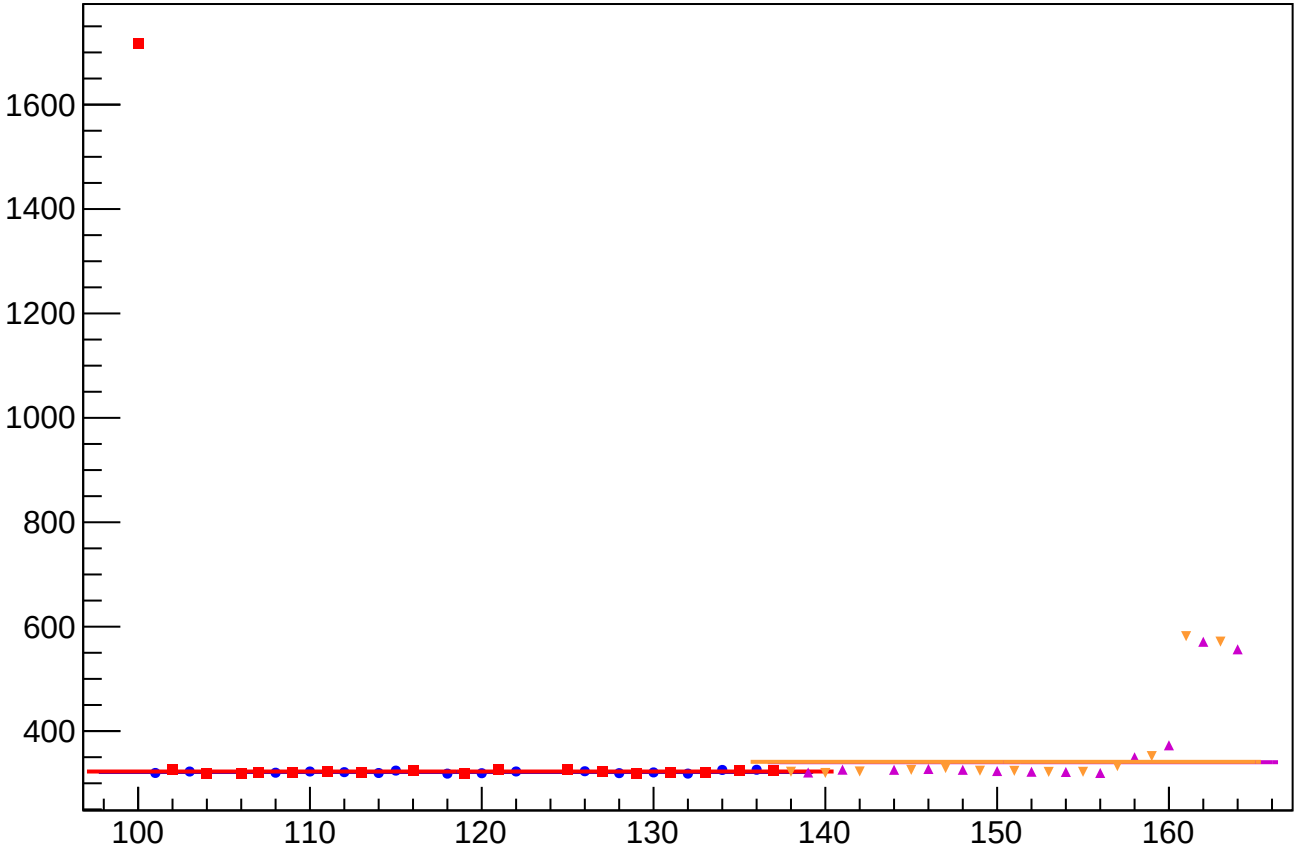
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -66.827+/-78.477 χ^2/NDF:39.2/28

Out: -75.645+/-79.777 χ^2/NDF:37.2/30

All: -71.164+/-55.945 χ^2/NDF: 76.4/59

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 341.123+/-0.076 χ^2/NDF:599863.2/12

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 340.383+/-0.074 χ^2/NDF:501166.5/12

Left: 340.741+/-0.053 χ^2/NDF: 1101078.7/25

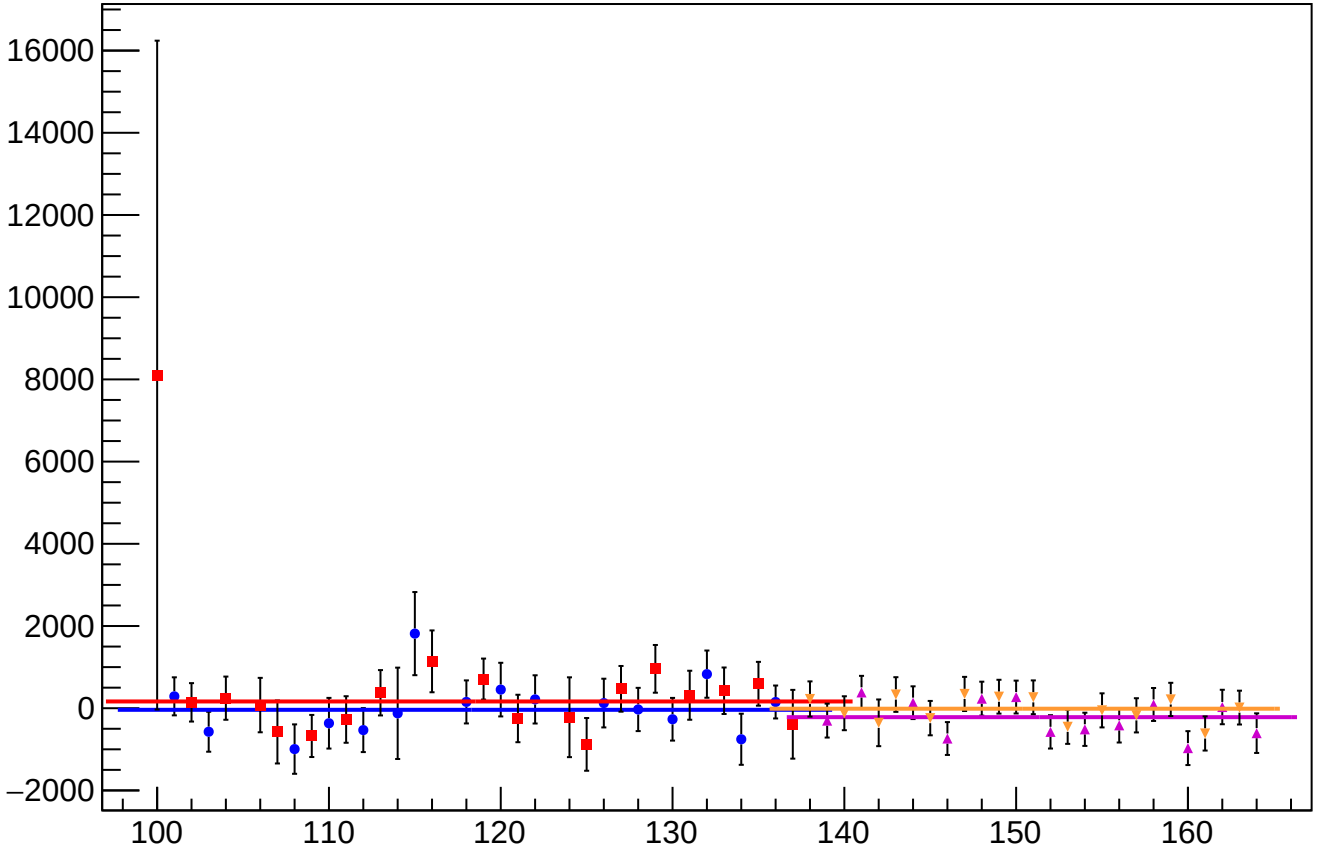
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 332.275+/-0.055 χ^2/NDF:530085.9/28

Out: 332.807+/-0.056 χ^2/NDF:723552.2/30

All: 332.536+/-0.040 χ^2/NDF: 1253683.3/59

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -11.957+/-112.795 χ^2/NDF:7.1/13

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -217.520+/-114.143 χ^2/NDF:13.9/12

Left: -113.517+/-80.230 χ^2/NDF: 22.7/26

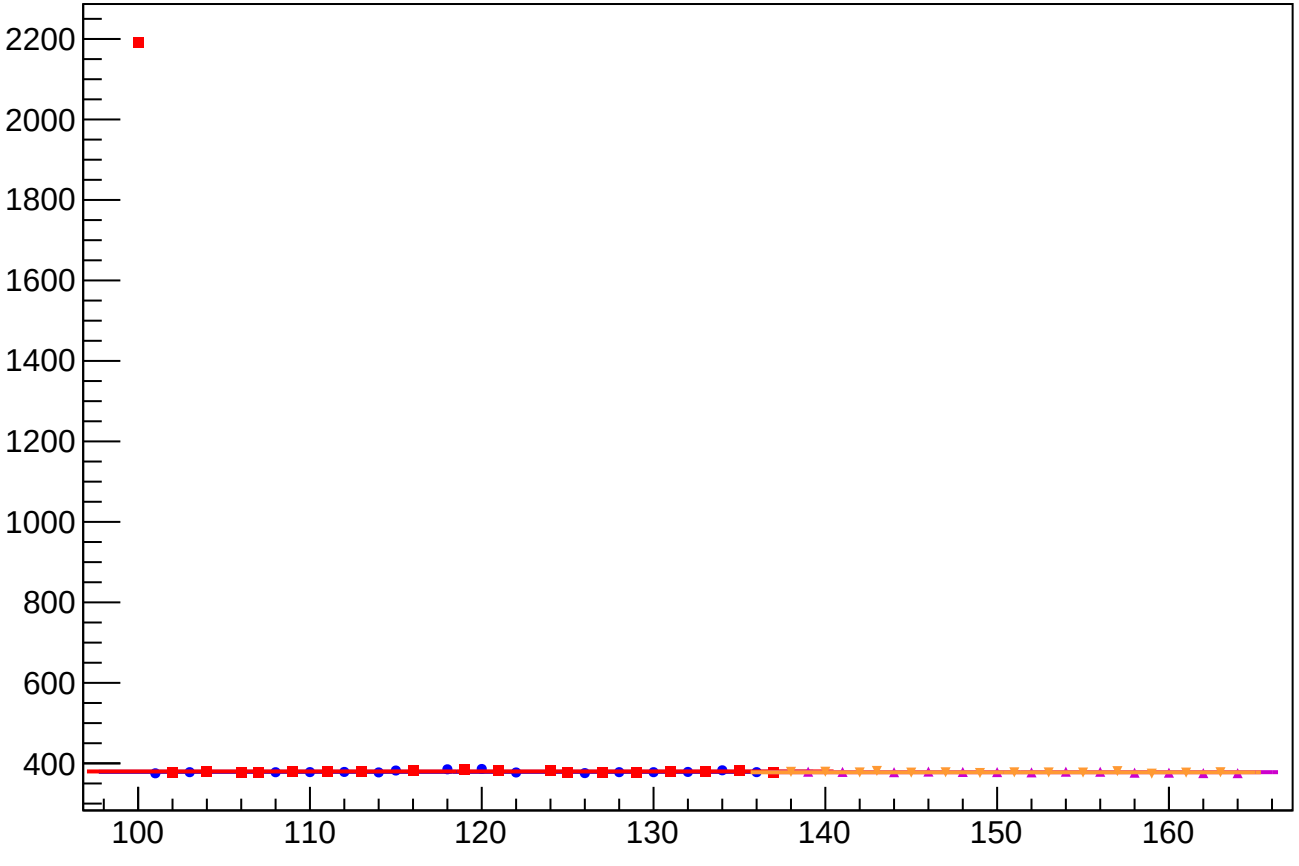
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -146.641+/-88.647 χ^2/NDF:28.6/28

Out: 58.182+/-87.576 χ^2/NDF:23.2/32

All: -42.985+/-62.301 χ^2/NDF: 54.5/61

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.745+/-0.080 χ^2/NDF:454.5/13

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.056+/-0.081 χ^2/NDF:234.8/12

Left: 377.898+/-0.057 χ^2/NDF: 696.8/26

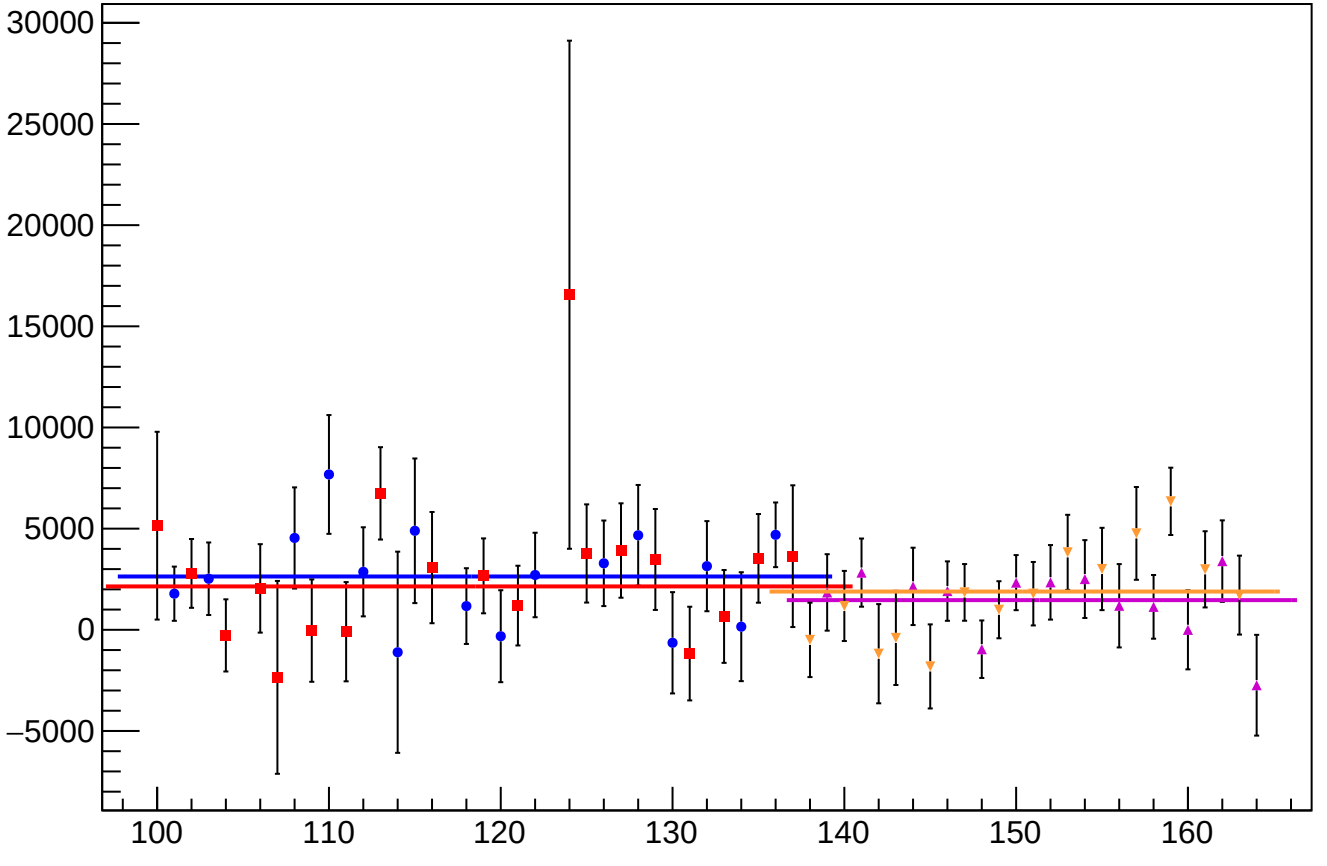
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.395+/-0.063 χ^2/NDF:1130.5/28

Out: 378.592+/-0.062 χ^2/NDF:100360.0/32

All: 378.495+/-0.044 χ^2/NDF: 101495.5/61

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1891.275+/-484.541 χ^2/NDF:18.5/13

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1466.491+/-483.488 χ^2/NDF:9.1/12

Left: 1678.421+/-342.249 χ^2/NDF: 28.0/26

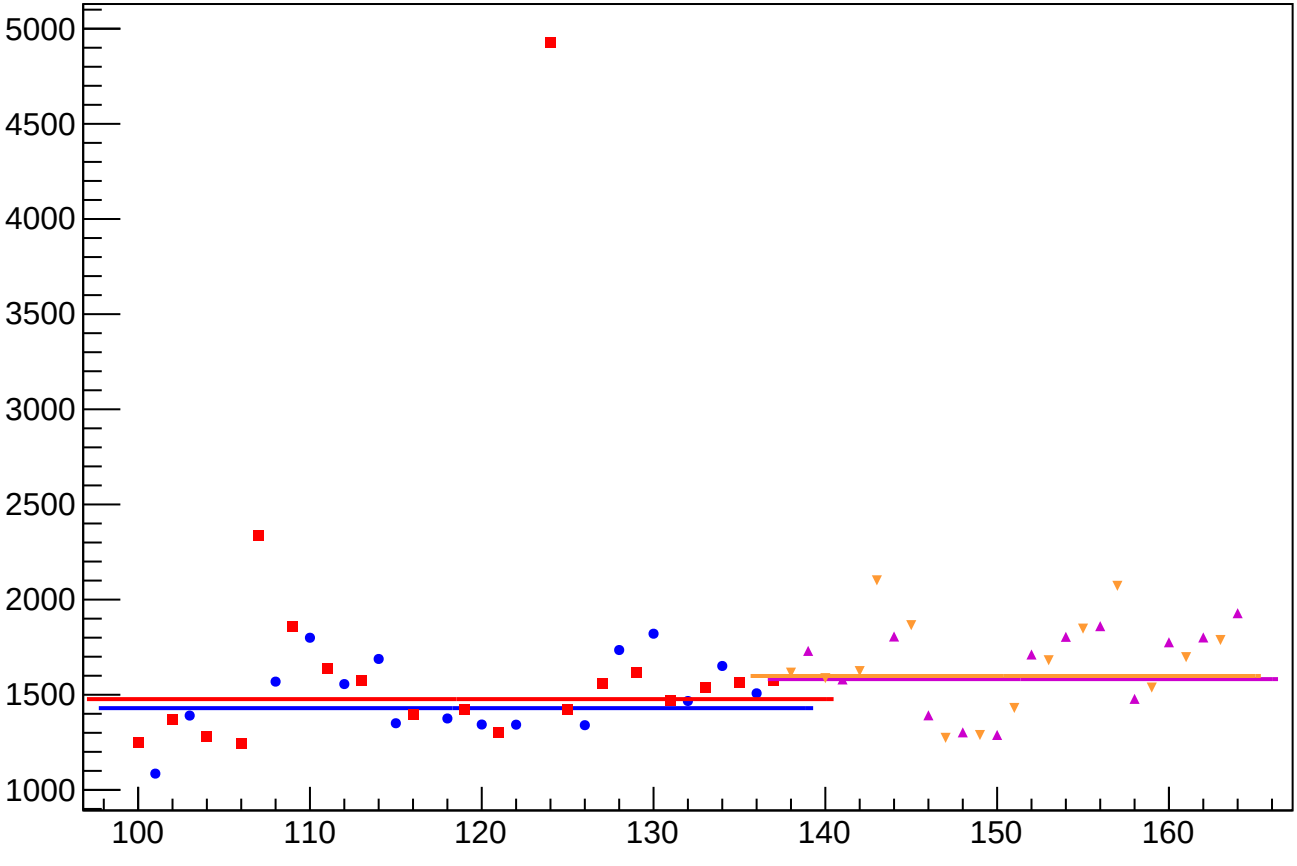
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 1988.705+/-359.620 χ^2/NDF:24.0/28

Out: 2002.650+/-362.693 χ^2/NDF:33.6/32

All: 1995.618+/-255.369 χ^2/NDF: 57.7/61

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1598.629+/-0.343 χ^2/NDF:500530.7/13

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1582.211+/-0.342 χ^2/NDF:407300.3/12

Left: 1590.402+/-0.242 χ^2/NDF: 908981.7/26

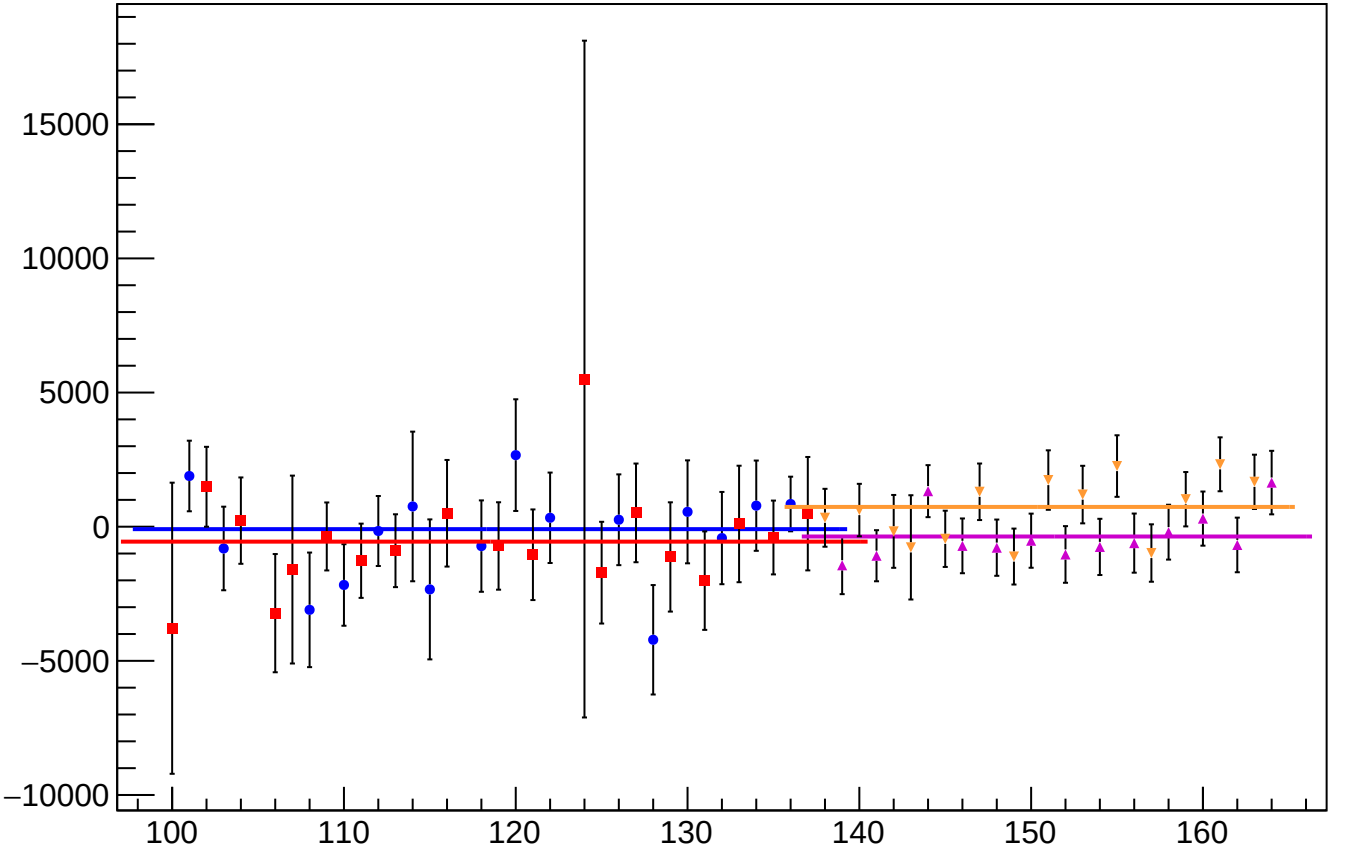
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1514.055+/-0.254 χ^2/NDF:789648.3/28

Out: 1545.204+/-0.256 χ^2/NDF:925259.1/32

All: 1529.497+/-0.181 χ^2/NDF: 1722345.6/61

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 737.060+/-292.335 χ^2/NDF:14.7/13

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -365.405+/-287.103 χ^2/NDF:8.9/12

Left: 175.873+/-204.837 χ^2/NDF: 30.9/26

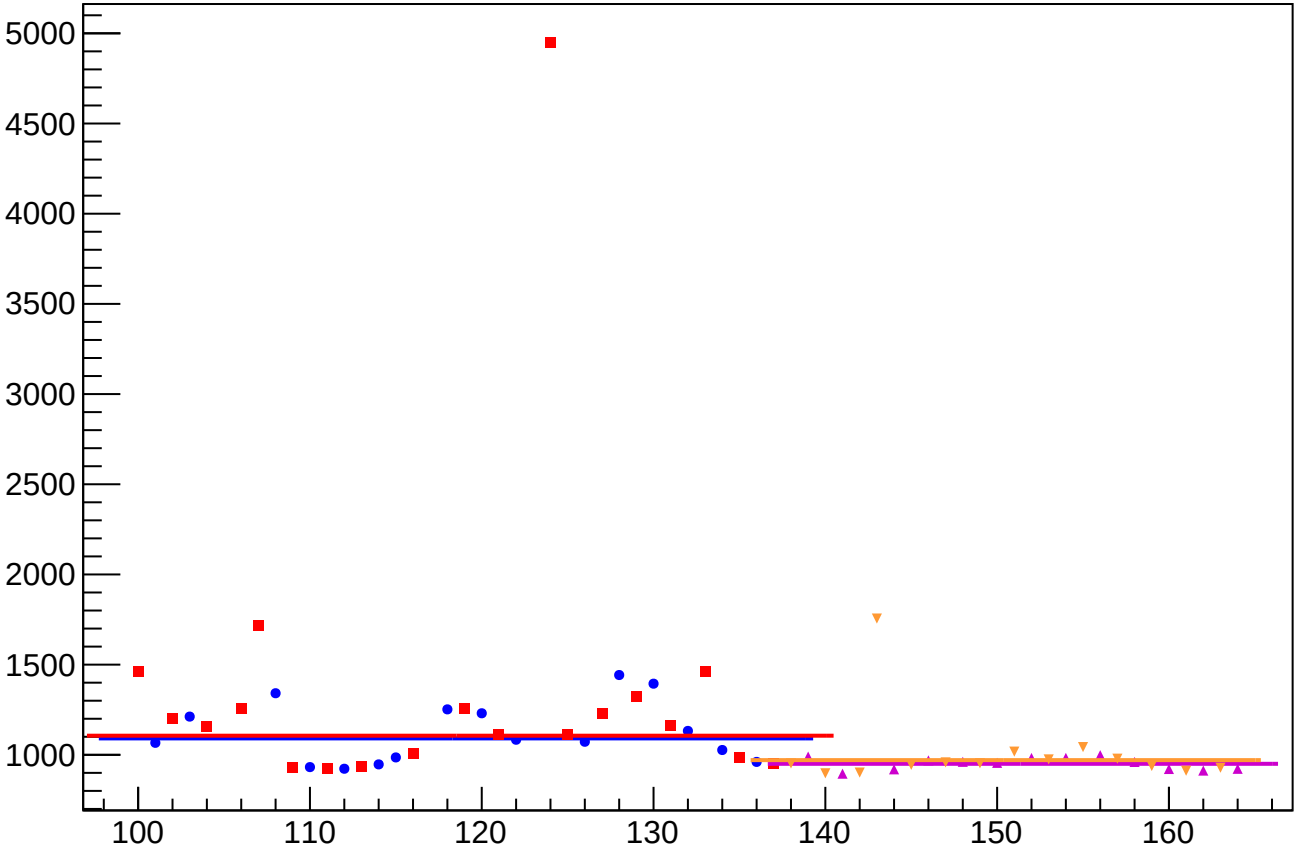
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -275.208+/-235.168 χ^2/NDF:23.8/28

Out: 302.856+/-238.289 χ^2/NDF:28.0/32

All: 10.014+/-167.381 χ^2/NDF: 54.8/61

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 970.599+/-0.207 χ^2/NDF:369379.8/13

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 950.190+/-0.203 χ^2/NDF:25631.6/12

Left: 960.210+/-0.145 χ^2/NDF: 399973.2/26

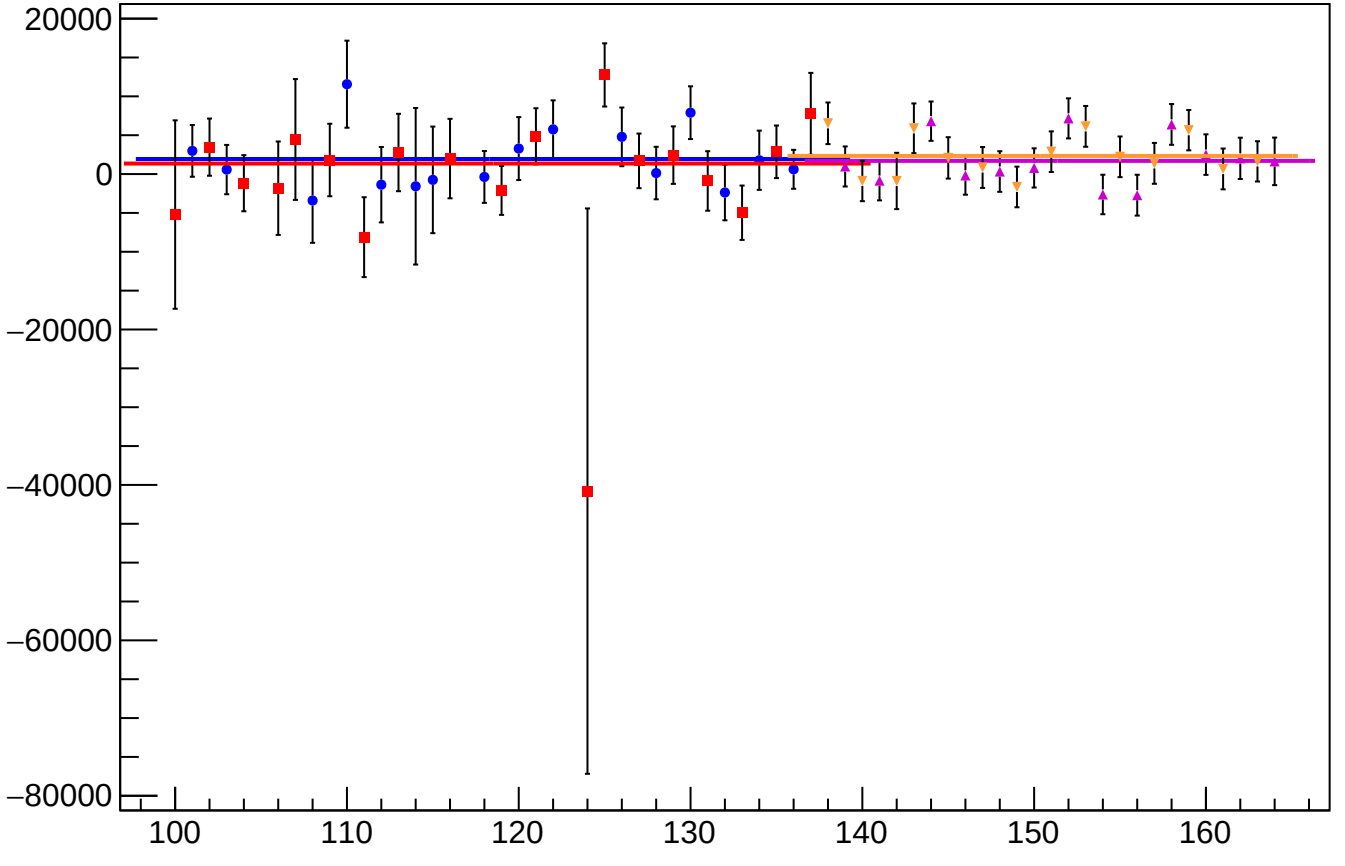
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 996.539+/-0.166 χ^2/NDF:461336.3/28

Out: 1016.052+/-0.168 χ^2/NDF:1027556.6/32

All: 1006.167+/-0.118 χ^2/NDF: 1495686.9/61

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2333.081+/-722.106 χ^2/NDF:13.1/13

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1698.684+/-722.032 χ^2/NDF:19.6/12

Left: 2015.850+/-510.580 χ^2/NDF: 33.1/26

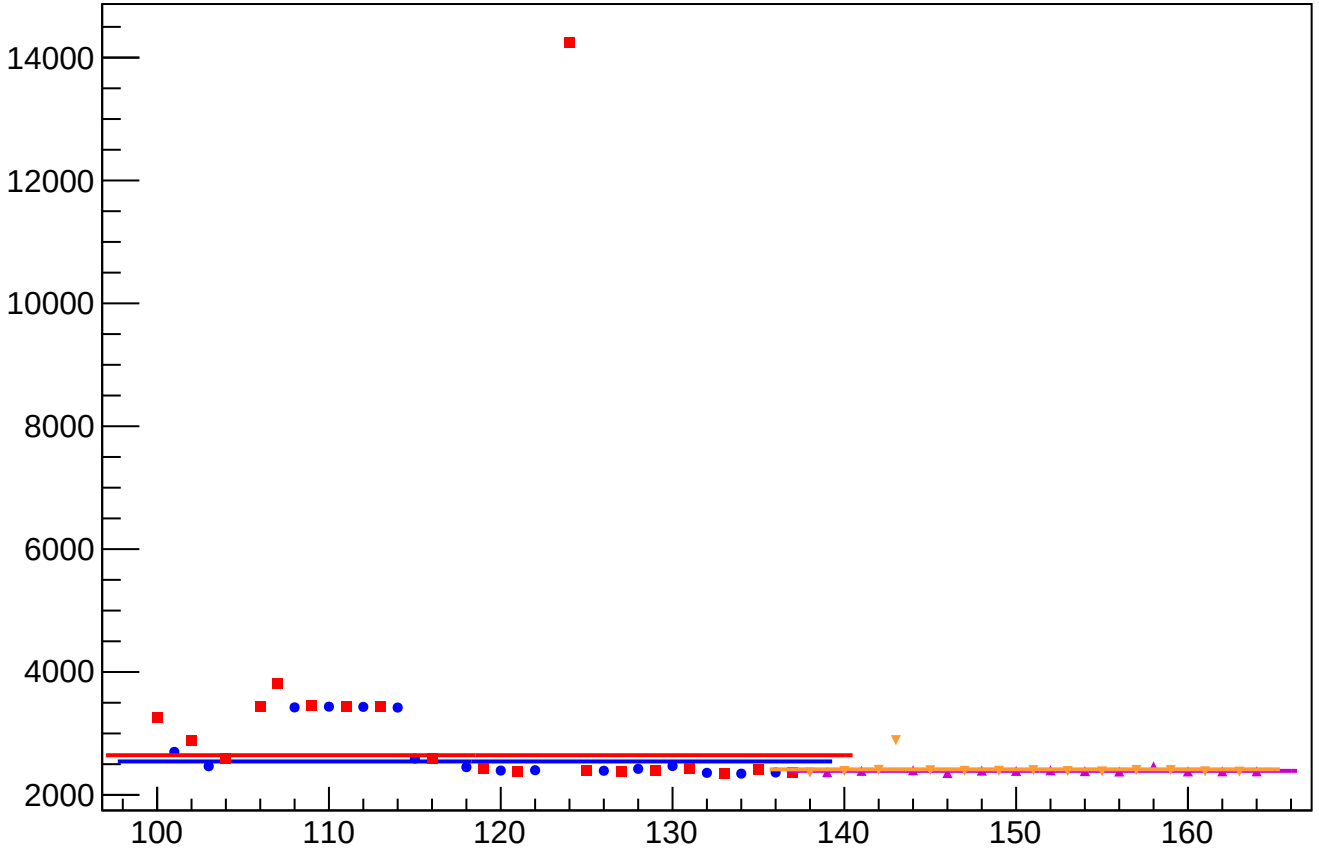
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1786.617+/-575.406 χ^2/NDF:31.9/28

Out: 1990.680+/-582.398 χ^2/NDF:35.5/32

All: 1887.416+/-409.323 χ^2/NDF: 67.5/61

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2415.846+/-0.511 χ^2/NDF:46864.8/13

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2391.475+/-0.511 χ^2/NDF:2201.4/12

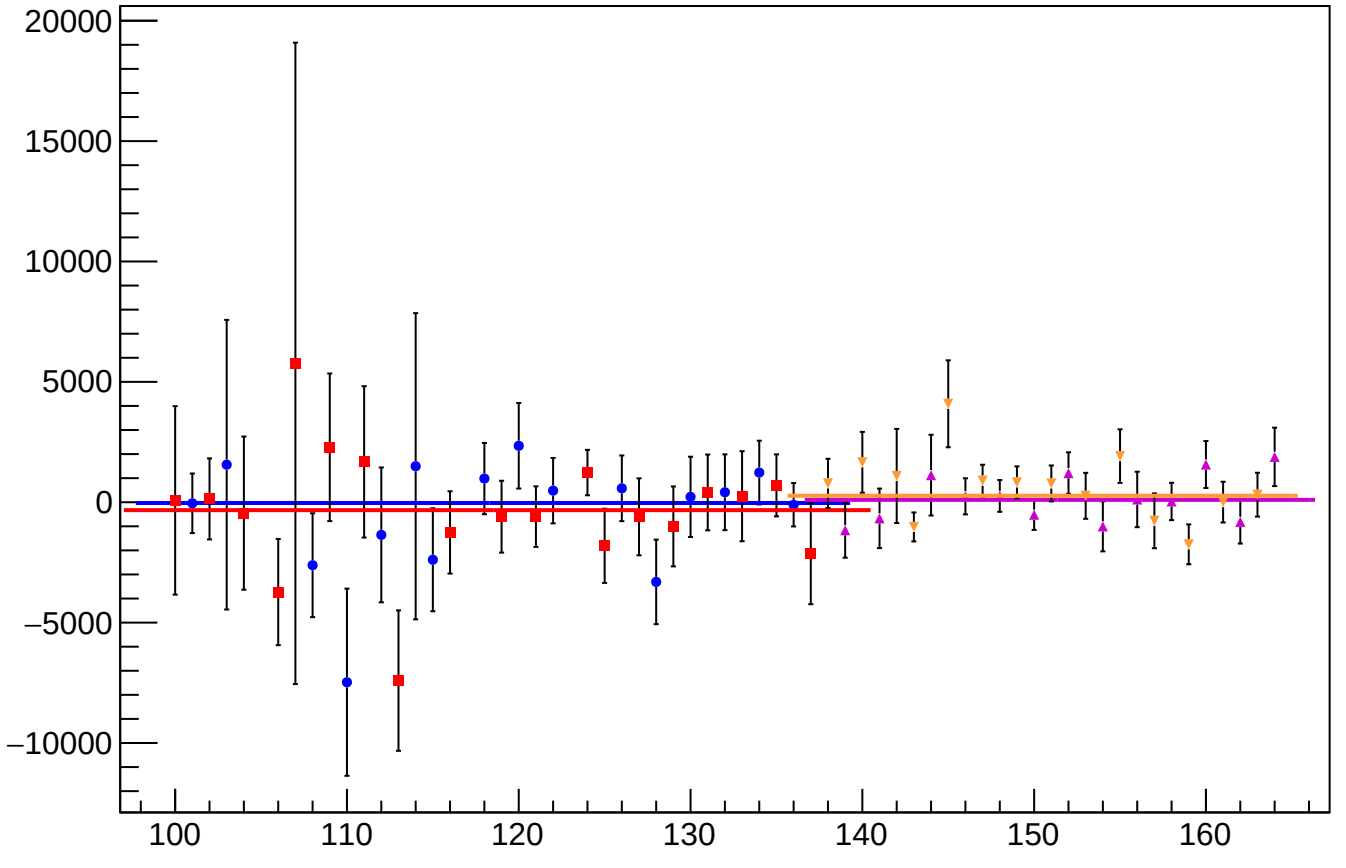
Left: 2403.659+/-0.361 χ^2/NDF: 50205.3/26

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

In: 2447.284+/-0.407 χ^2/NDF:260560.8/28

Out: 2496.164+/-0.412 χ^2/NDF:654623.8/32

All: 2471.429+/-0.289 χ^2/NDF: 922313.6/61



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 270.405+/-235.833 χ^2/NDF:21.9/13

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: 98.880+/-250.067 χ^2/NDF:11.3/12

Left: 189.663+/-171.570 χ^2/NDF: 33.4/26

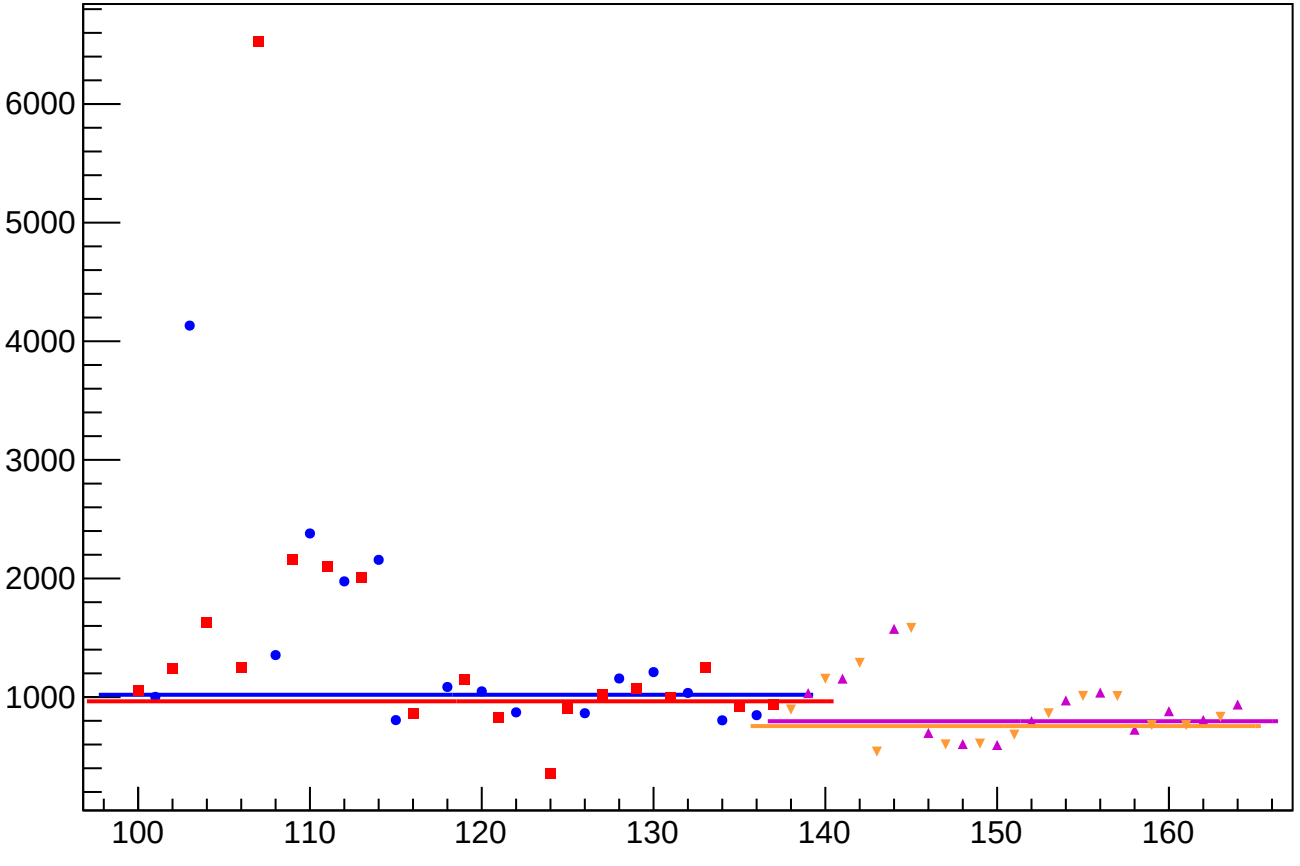
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: 63.071+/-212.880 χ^2/NDF:25.1/28

Out: 115.104+/-202.964 χ^2/NDF:39.2/32

All: 90.328+/-146.898 χ^2/NDF: 64.3/61

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 755.648+/-0.167 χ^2/NDF:1531057.7/13

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 796.670+/-0.177 χ^2/NDF:1295363.6/12

Left: 774.958+/-0.121 χ^2/NDF: 2854907.0/26

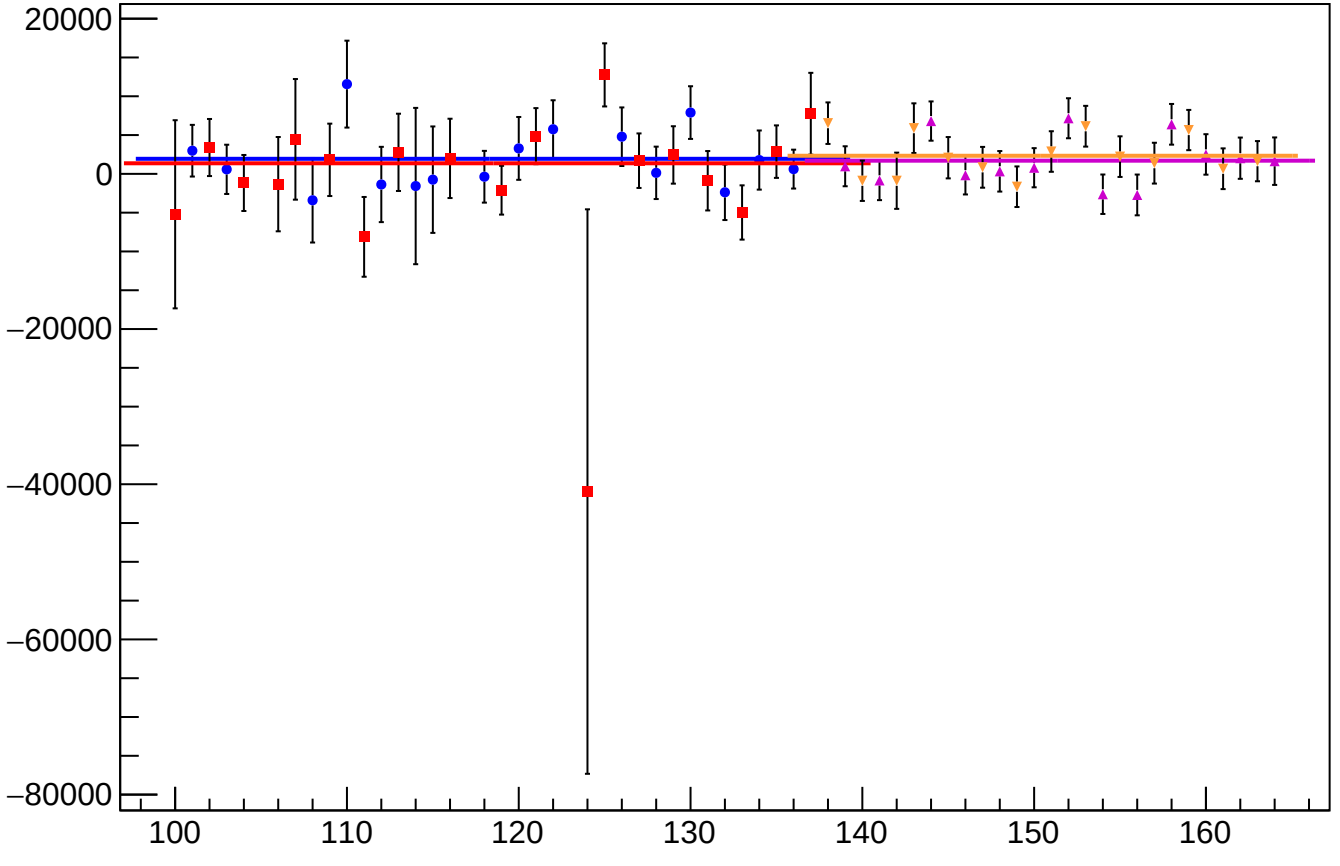
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 858.021+/-0.151 χ^2/NDF:3097388.7/28

Out: 809.776+/-0.144 χ^2/NDF:4246700.7/32

All: 832.749+/-0.104 χ^2/NDF: 7397898.7/61

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2333.005+/-722.106 χ^2/NDF:13.1/13

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1698.810+/-722.032 χ^2/NDF:19.6/12

Left: 2015.875+/-510.580 χ^2/NDF: 33.1/26

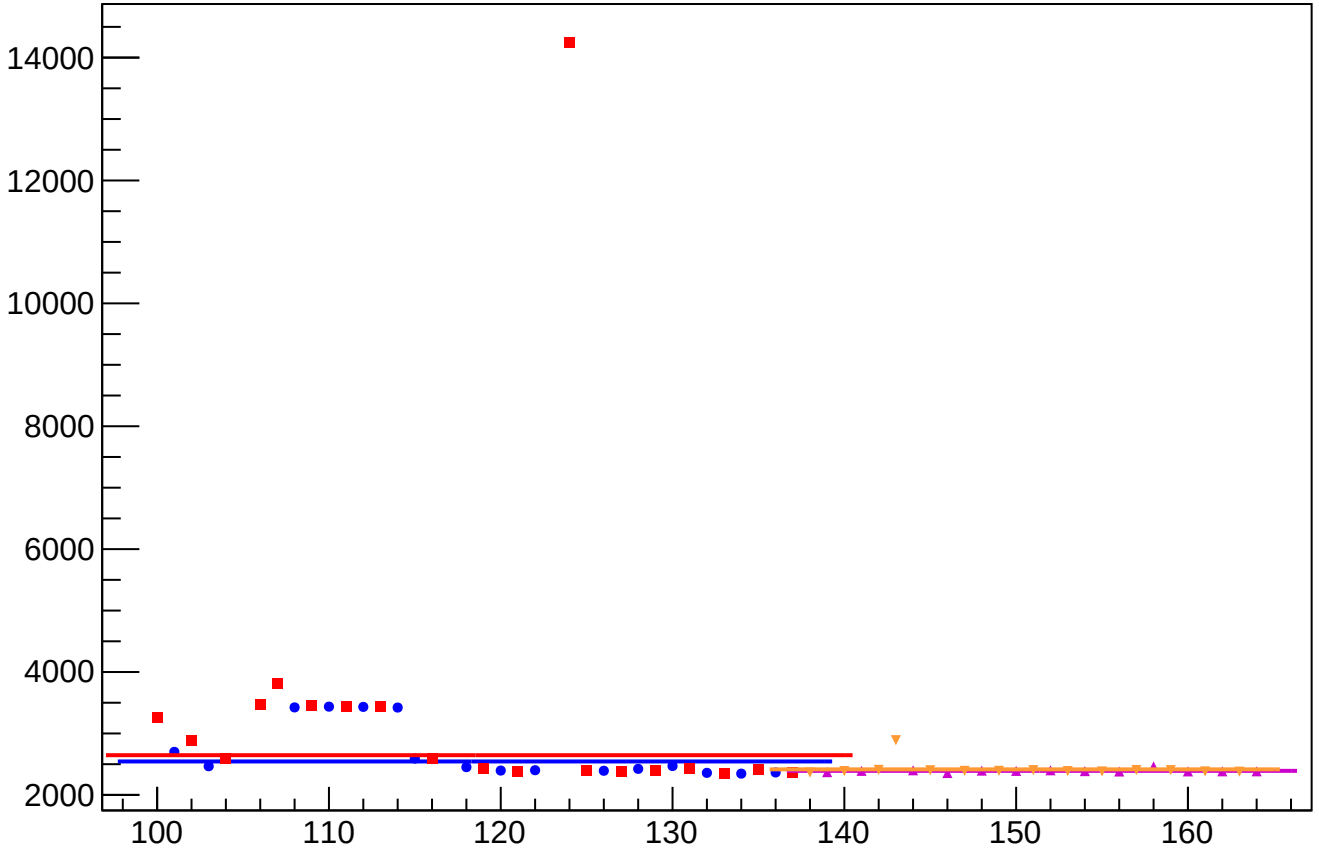
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1786.824+/-575.406 χ^2/NDF:31.9/28

Out: 1994.142+/-582.461 χ^2/NDF:35.4/32

All: 1889.220+/-409.345 χ^2/NDF: 67.4/61

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2415.846+/-0.511 χ^2/NDF:46864.7/13

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2391.475+/-0.511 χ^2/NDF:2201.4/12

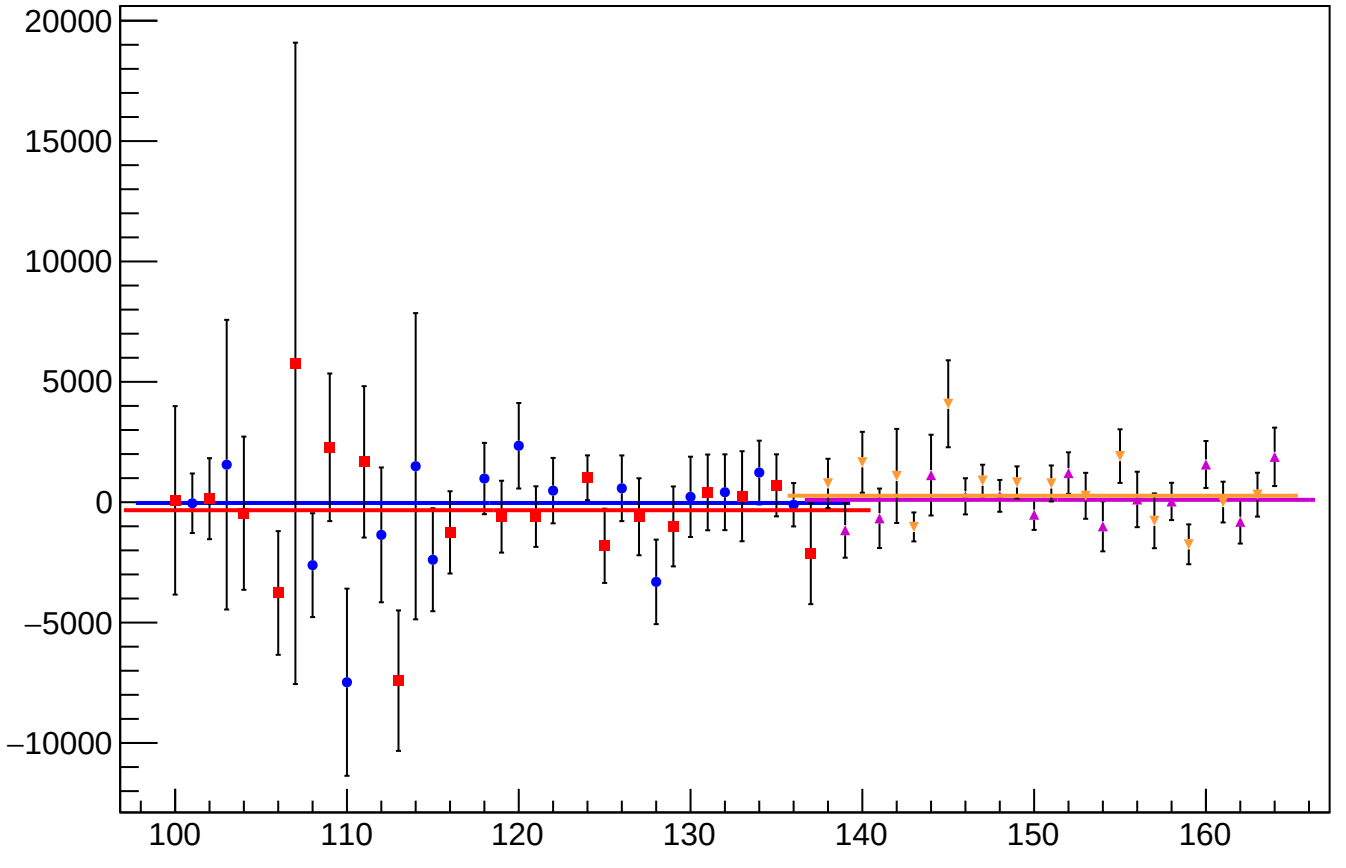
Left: 2403.659+/-0.361 χ^2/NDF: 50205.3/26

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2447.285+/-0.407 χ^2/NDF:260560.8/28

Out: 2496.326+/-0.412 χ^2/NDF:657520.3/32

All: 2471.507+/-0.289 χ^2/NDF: 925256.8/61



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 270.335+/-235.836 χ^2/NDF:21.9/13

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 98.984+/-250.067 χ^2/NDF:11.3/12

Left: 189.674+/-171.572 χ^2/NDF: 33.4/26

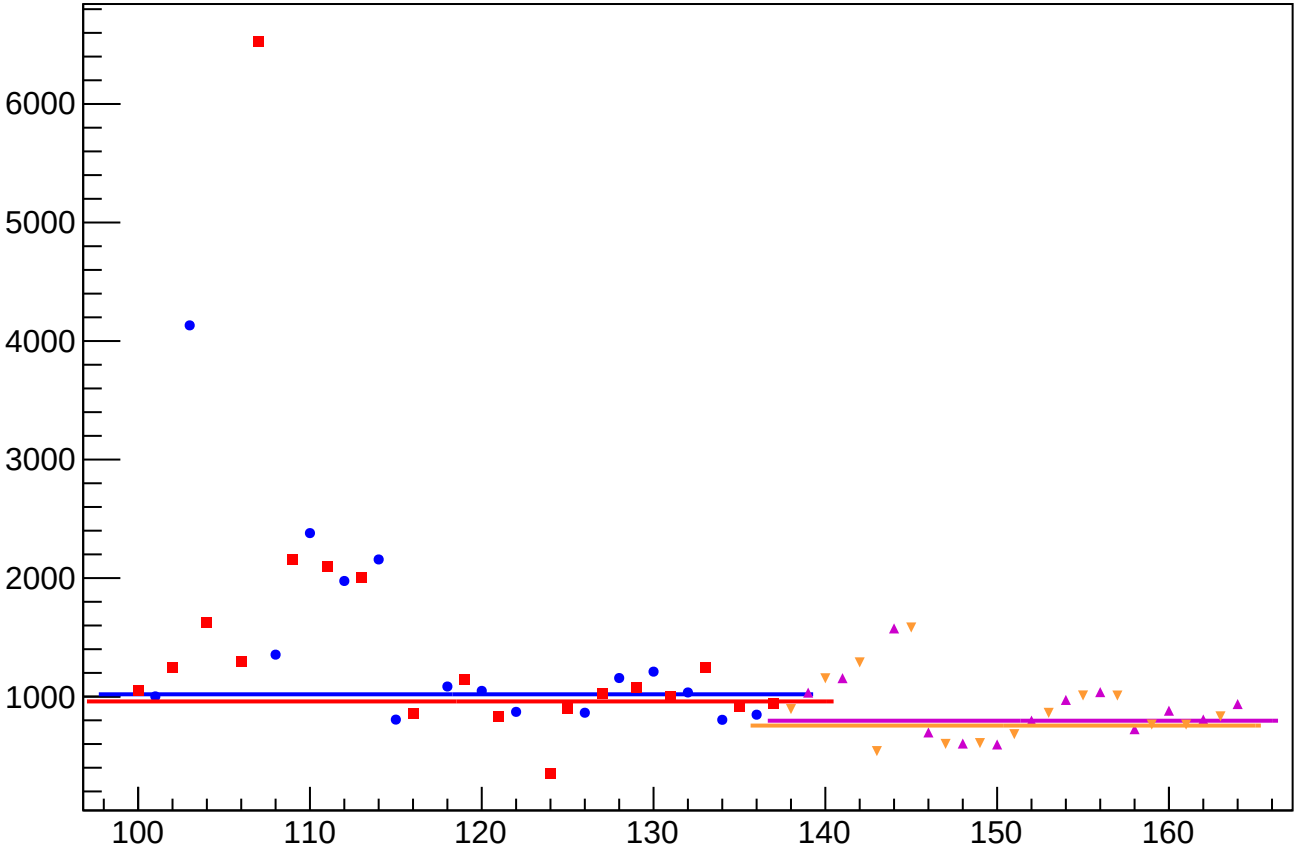
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 63.129+/-212.880 χ^2/NDF:25.1/28

Out: 114.588+/-203.068 χ^2/NDF:37.9/32

All: 90.072+/-146.937 χ^2/NDF: 63.1/61

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 755.661+/-0.167 χ^2/NDF:1531044.5/13

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 796.670+/-0.177 χ^2/NDF:1295487.0/12

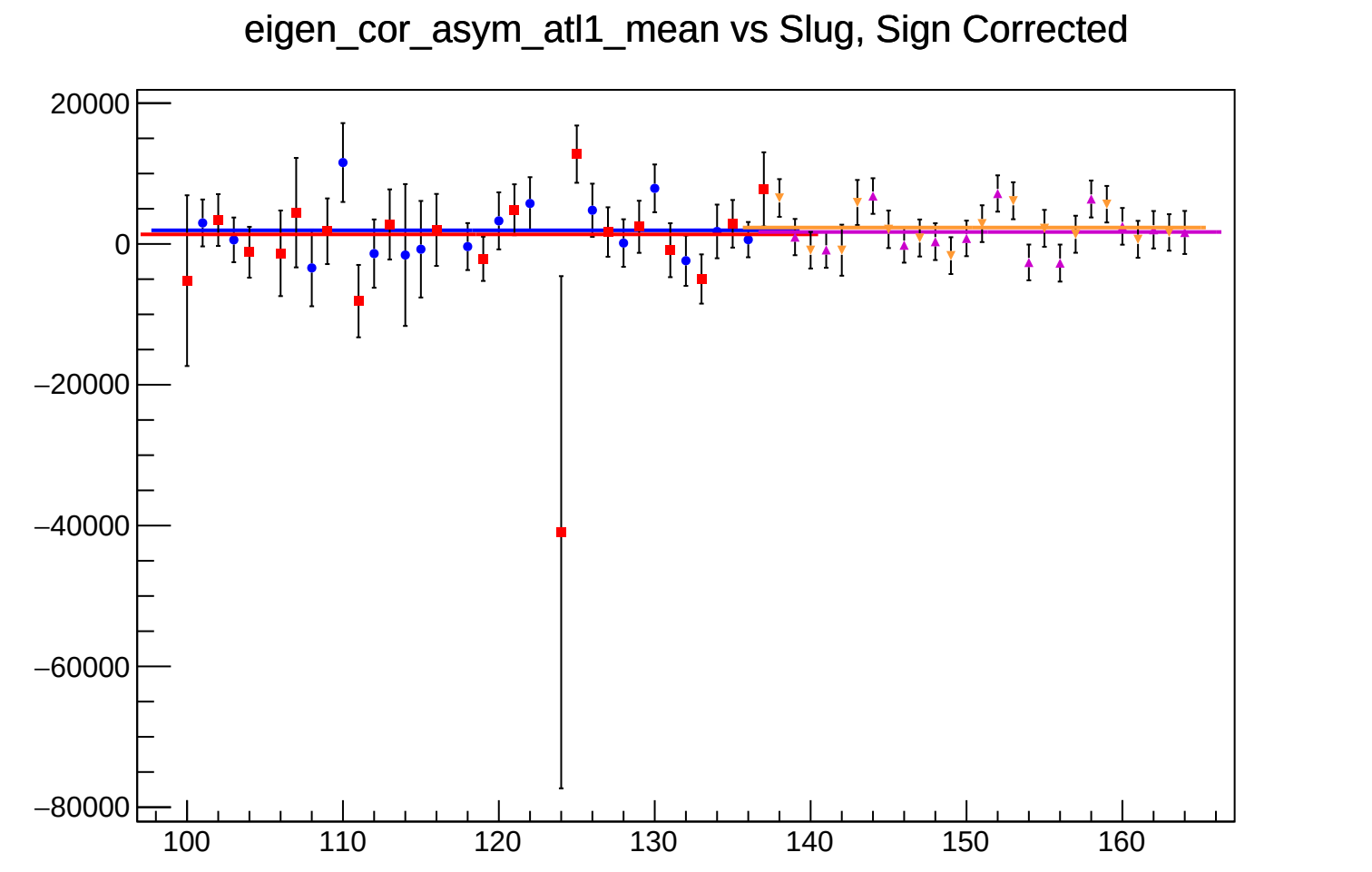
Left: 774.966+/-0.121 χ^2/NDF: 2854998.6/26

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 858.020+/-0.151 χ^2/NDF:3097476.9/28

Out: 808.331+/-0.144 χ^2/NDF:4261246.8/32

All: 832.004+/-0.104 χ^2/NDF: 7415773.4/61



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2333.005+/-722.106 χ^2/NDF:13.1/13

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1698.810+/-722.032 χ^2/NDF:19.6/12

Left: 2015.875+/-510.580 χ^2/NDF: 33.1/26

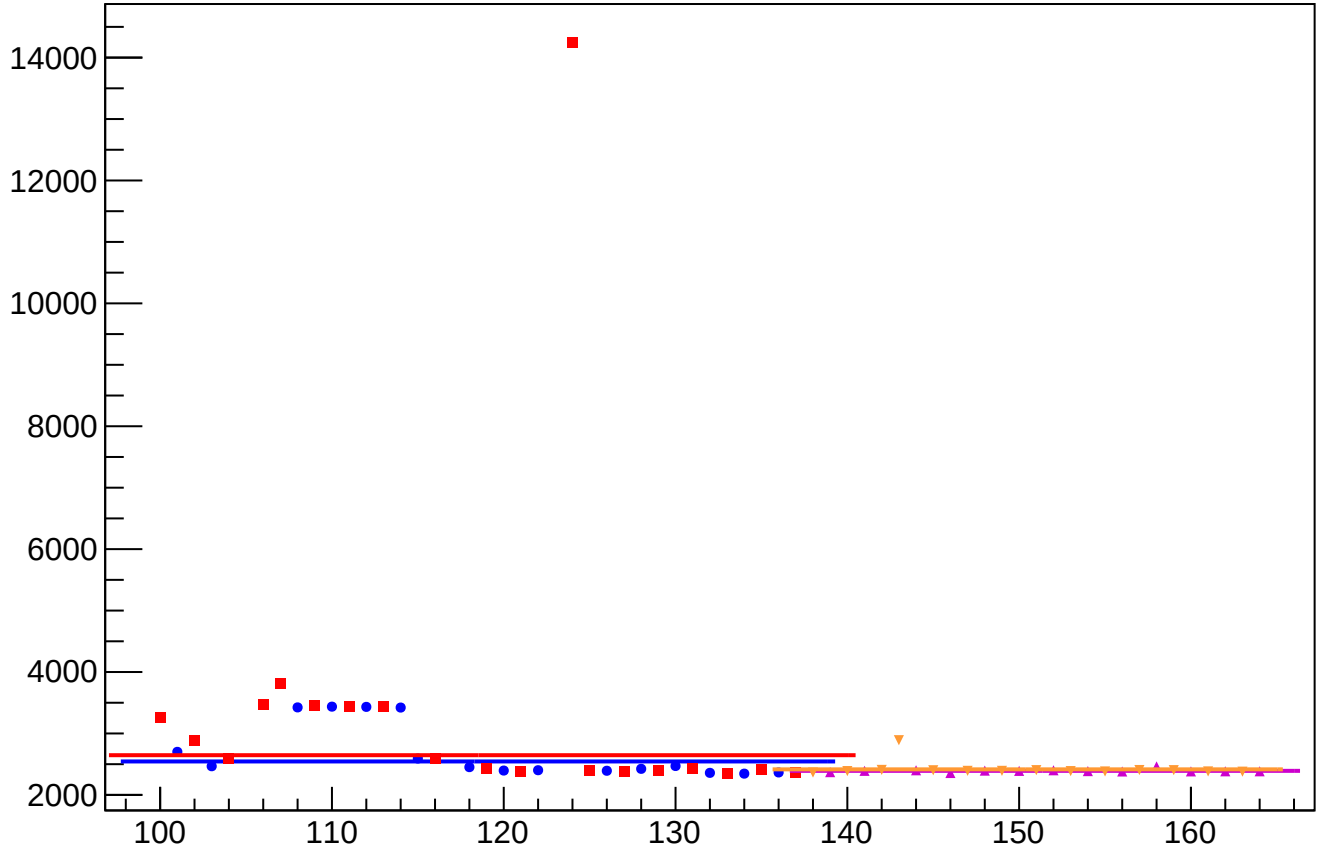
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1786.824+/-575.406 χ^2/NDF:31.9/28

Out: 1994.142+/-582.461 χ^2/NDF:35.4/32

All: 1889.220+/-409.345 χ^2/NDF: 67.4/61

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2415.846+/-0.511 χ^2/NDF:46864.7/13

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2391.475+/-0.511 χ^2/NDF:2201.4/12

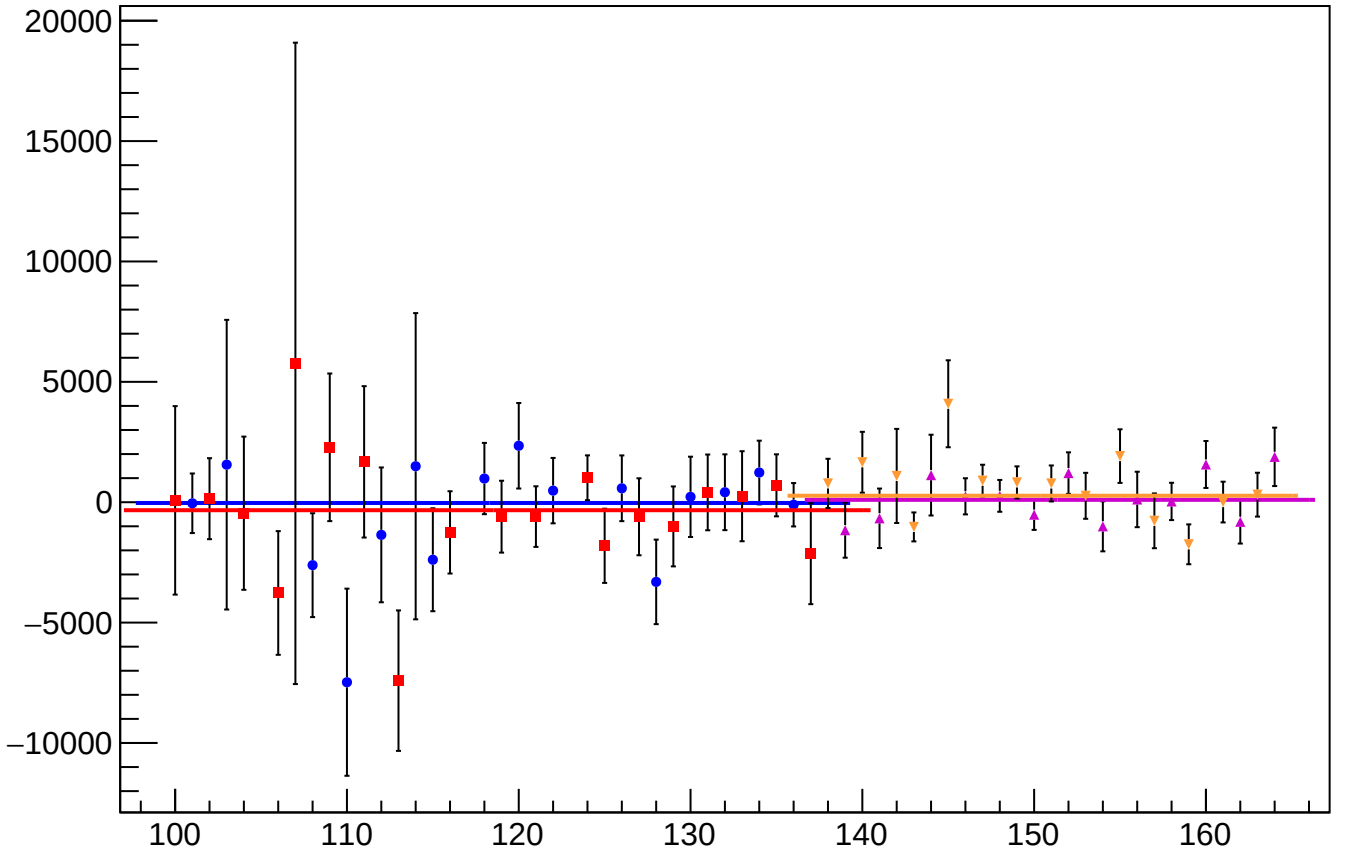
Left: 2403.659+/-0.361 χ^2/NDF: 50205.3/26

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2447.285+/-0.407 χ^2/NDF:260560.8/28

Out: 2496.326+/-0.412 χ^2/NDF:657520.3/32

All: 2471.507+/-0.289 χ^2/NDF: 925256.8/61



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 270.335+/-235.836 χ^2/NDF:21.9/13

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 98.984+/-250.067 χ^2/NDF:11.3/12

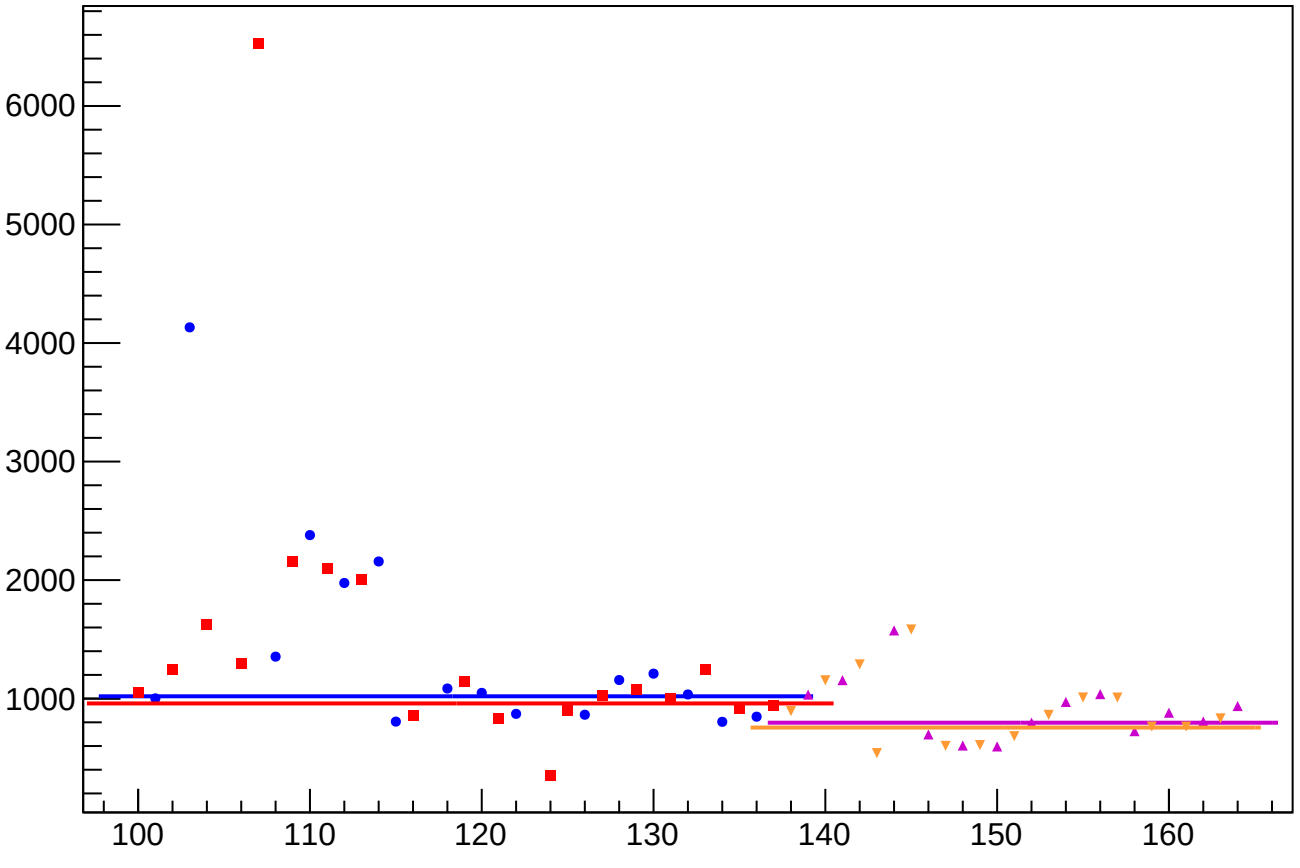
Left: 189.674+/-171.572 χ^2/NDF: 33.4/26

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 63.129+/-212.880 χ^2/NDF:25.1/28

Out: 114.588+/-203.068 χ^2/NDF:37.9/32

All: 90.072+/-146.937 χ^2/NDF: 63.1/61



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 755.661+/-0.167 χ^2/NDF:1531044.5/13

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 796.670+/-0.177 χ^2/NDF:1295487.0/12

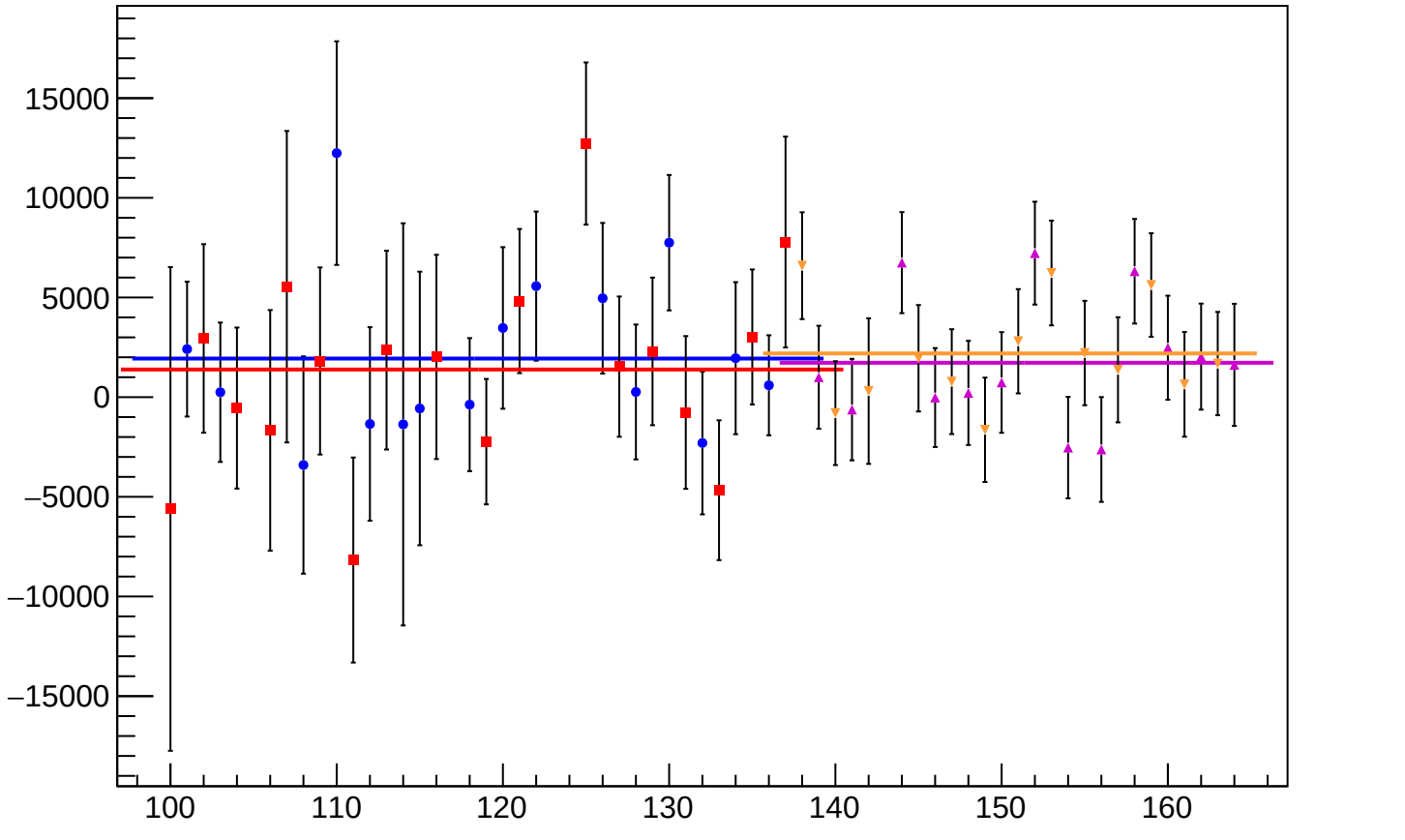
Left: 774.966+/-0.121 χ^2/NDF: 2854998.6/26

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 858.020+/-0.151 χ^2/NDF:3097476.9/28

Out: 808.331+/-0.144 χ^2/NDF:4261246.8/32

All: 832.004+/-0.104 χ^2/NDF: 7415773.4/61



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2192.861+/-742.178 χ^2/NDF:11.4/12

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1725.398+/-722.711 χ^2/NDF:19.1/12

Left: 1952.919+/-517.779 χ^2/NDF: 30.7/25

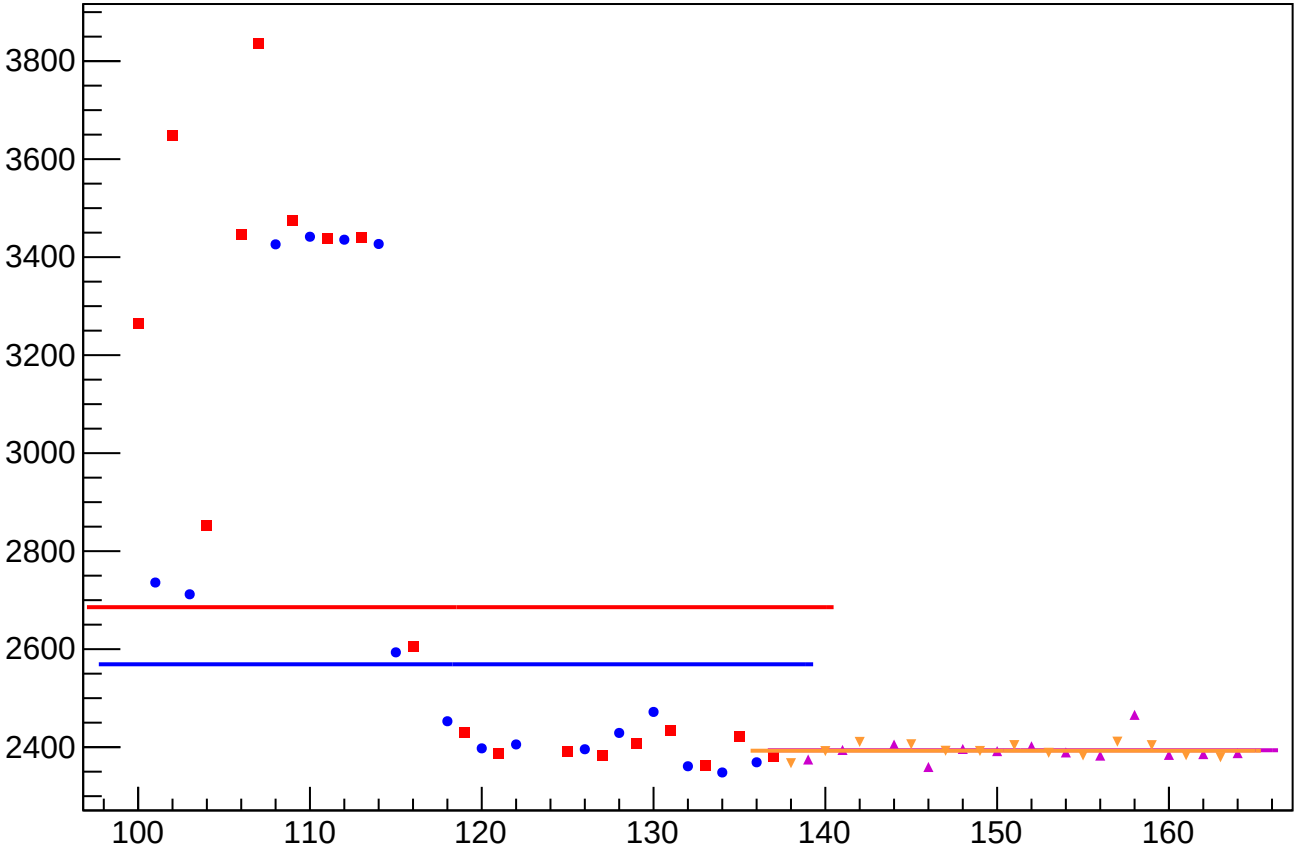
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1801.342+/-577.889 χ^2/NDF:31.5/28

Out: 1910.162+/-597.883 χ^2/NDF:31.5/30

All: 1853.902+/-415.518 χ^2/NDF: 63.0/59

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2392.771+/-0.525 χ^2/NDF:562.6/12

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2393.711+/-0.511 χ^2/NDF:2155.6/12

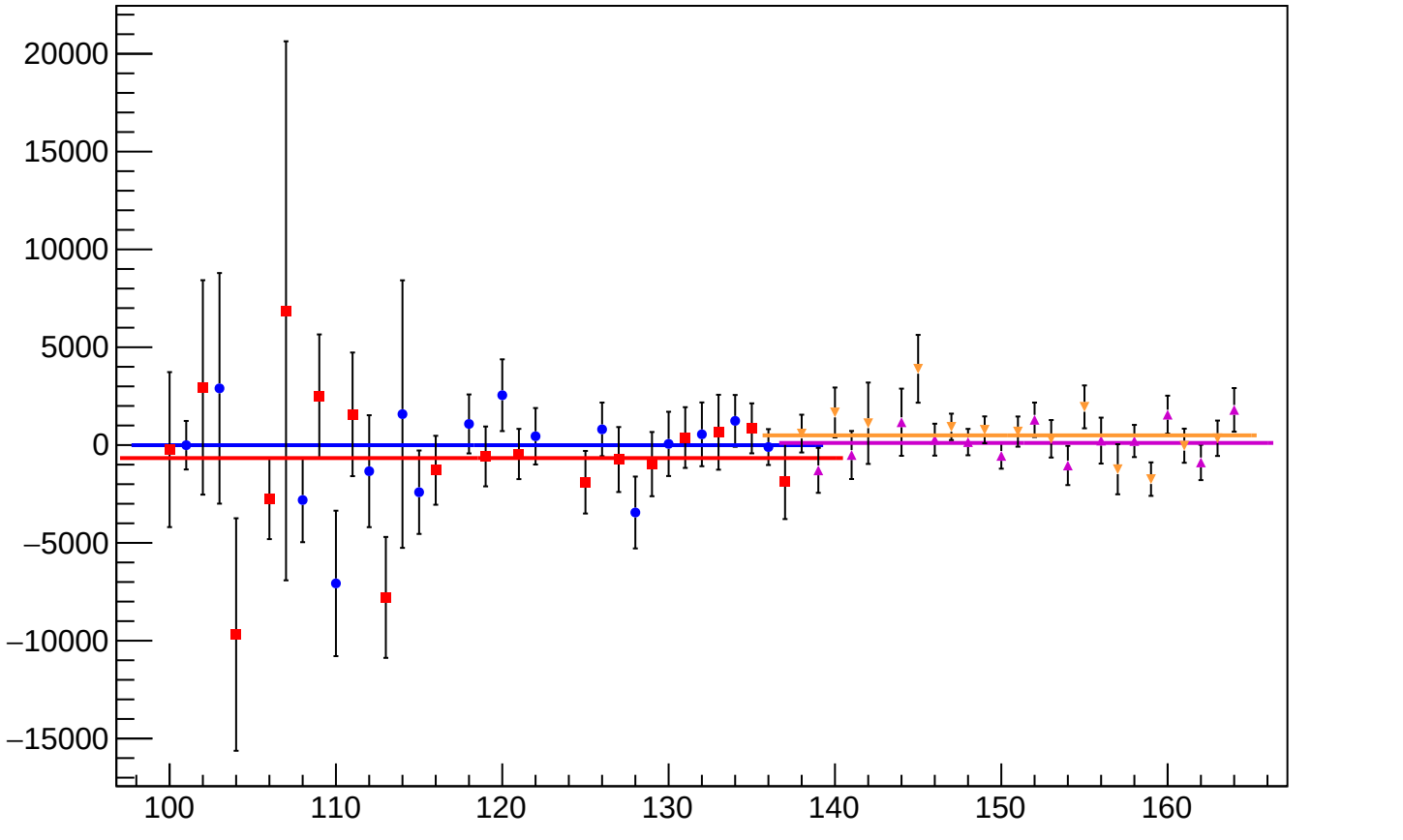
Left: 2393.253+/-0.366 χ^2/NDF: 2719.8/25

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

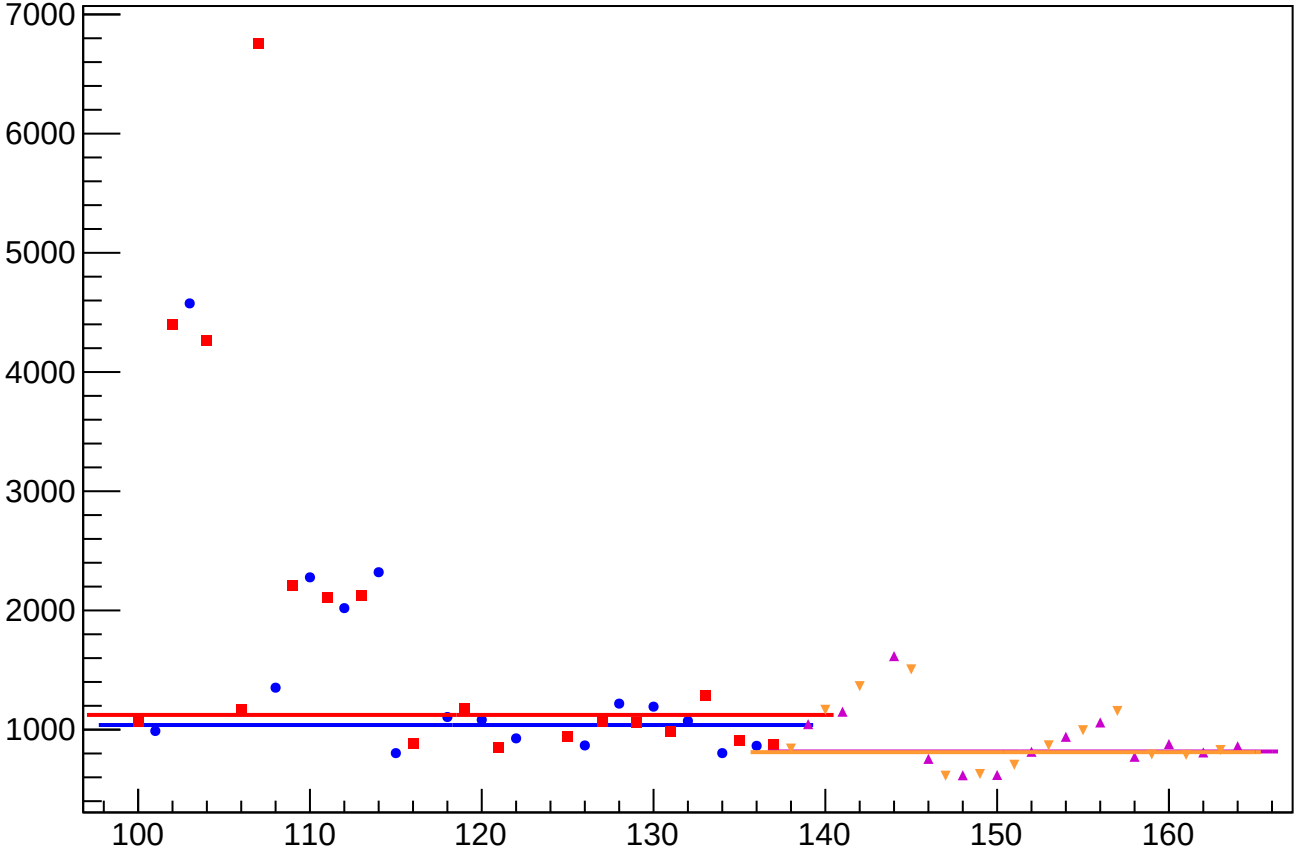
In: 2456.970+/-0.409 χ^2/NDF:274134.6/28

Out: 2495.593+/-0.423 χ^2/NDF:529178.4/30

All: 2475.625+/-0.294 χ^2/NDF: 807627.9/59


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -5.169+/-412.248 χ²/NDF: 14.5/15
Left Out: 496.157+/-261.007 χ²/NDF:16.3/12
Right Out: -665.952+/-460.513 χ²/NDF: 14.4/17
Left In: 108.497+/-255.023 χ²/NDF:12.1/12
Left: 297.832+/-182.407 χ²/NDF: 29.5/25
Right: -299.130+/-307.154 χ²/NDF: 30.0/33
In: 77.038+/-216.879 χ²/NDF:26.6/28
Out: 213.611+/-227.071 χ²/NDF:35.5/30
All: 142.191+/-156.836 χ²/NDF: 62.3/59

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 811.118+/-0.185 χ^2/NDF:1183778.6/12

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 816.775+/-0.180 χ^2/NDF:1162138.2/12

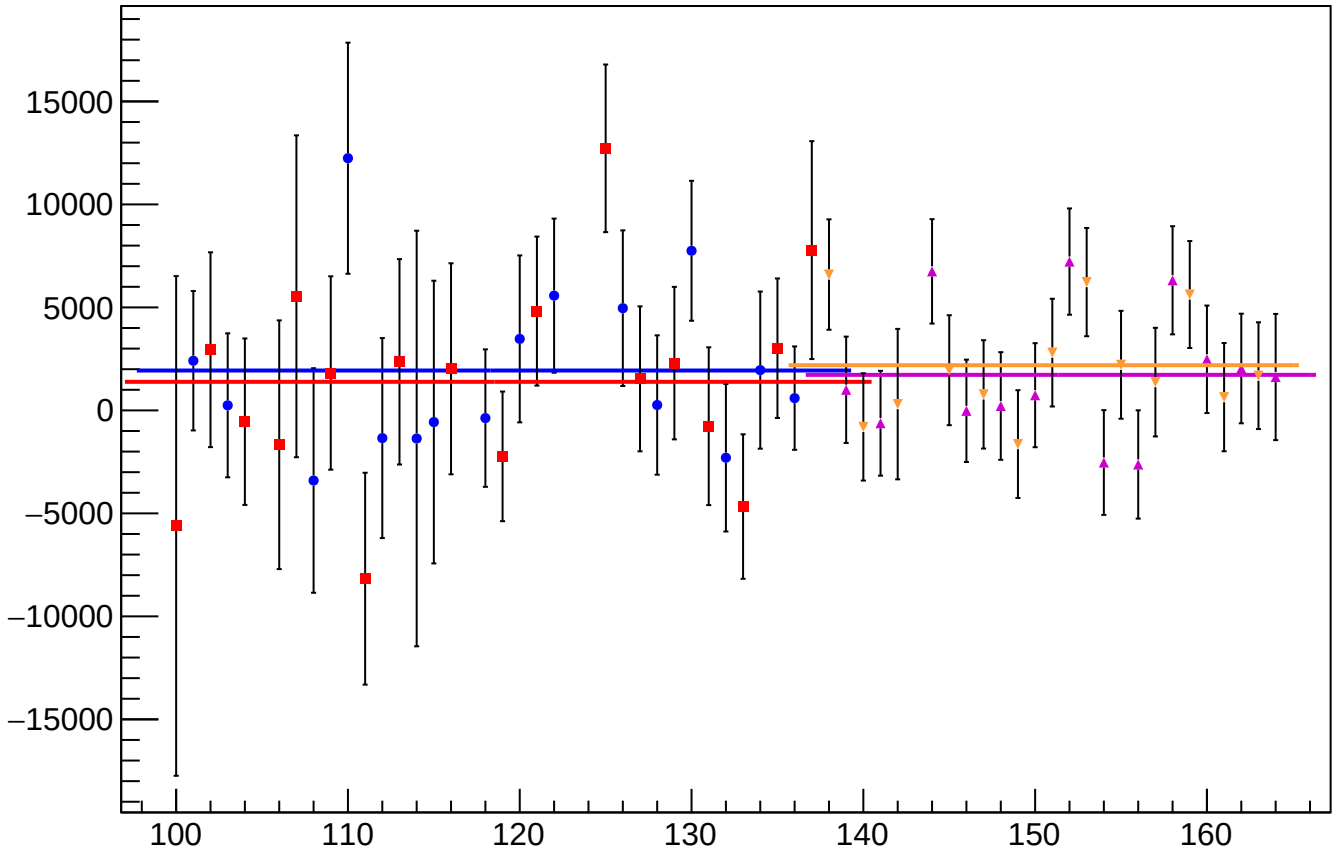
Left: 814.012+/-0.129 χ^2/NDF: 2346397.5/25

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 878.226+/-0.153 χ^2/NDF:3121438.8/28

Out: 887.062+/-0.161 χ^2/NDF:4415704.0/30

All: 882.441+/-0.111 χ^2/NDF: 7538726.5/59



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2192.861+/-742.178 χ^2/NDF:11.4/12

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1725.399+/-722.711 χ^2/NDF:19.1/12

Left: 1952.919+/-517.779 χ^2/NDF: 30.7/25

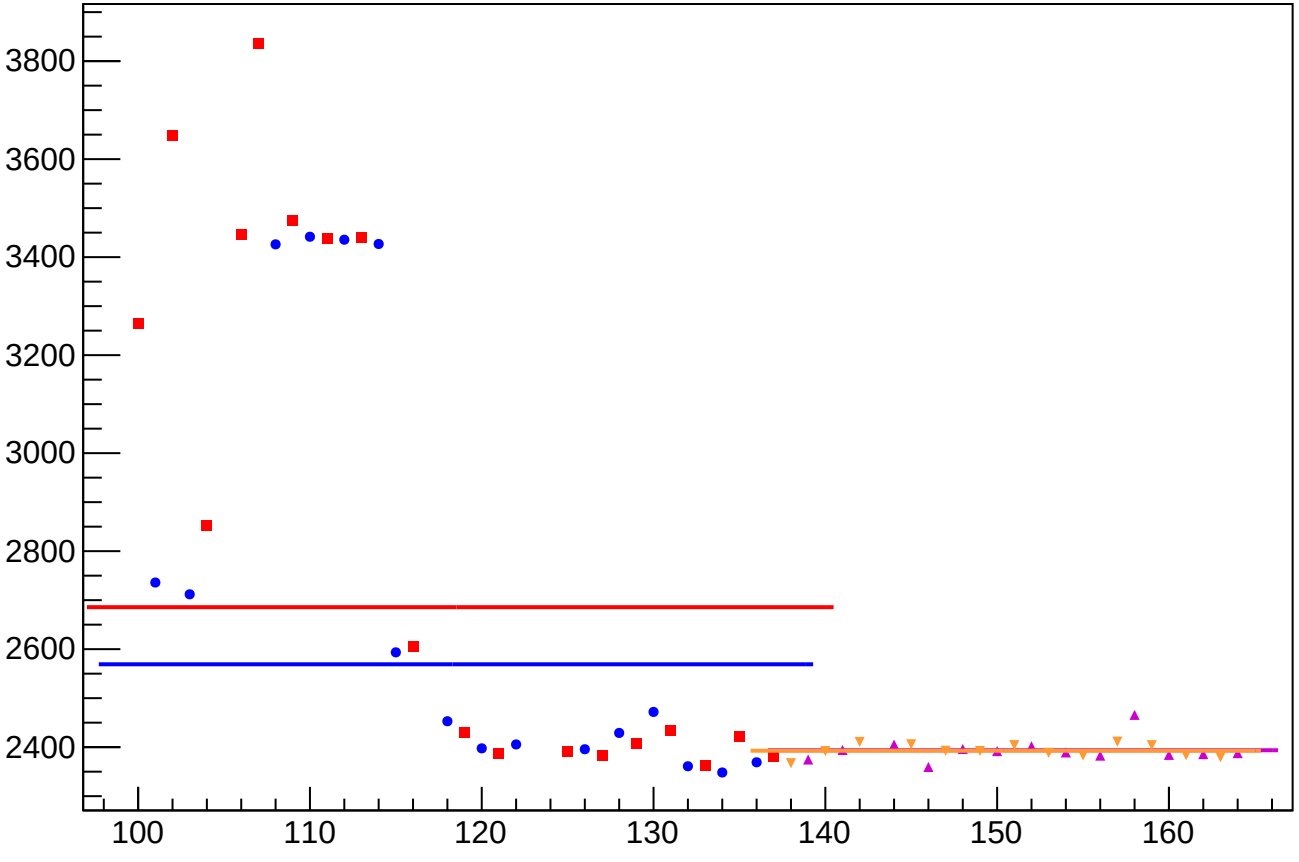
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1801.341+/-577.889 χ^2/NDF:31.5/28

Out: 1910.161+/-597.883 χ^2/NDF:31.5/30

All: 1853.901+/-415.518 χ^2/NDF: 63.0/59

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2392.771+/-0.525 χ^2/NDF:562.6/12

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2393.711+/-0.511 χ^2/NDF:2155.6/12

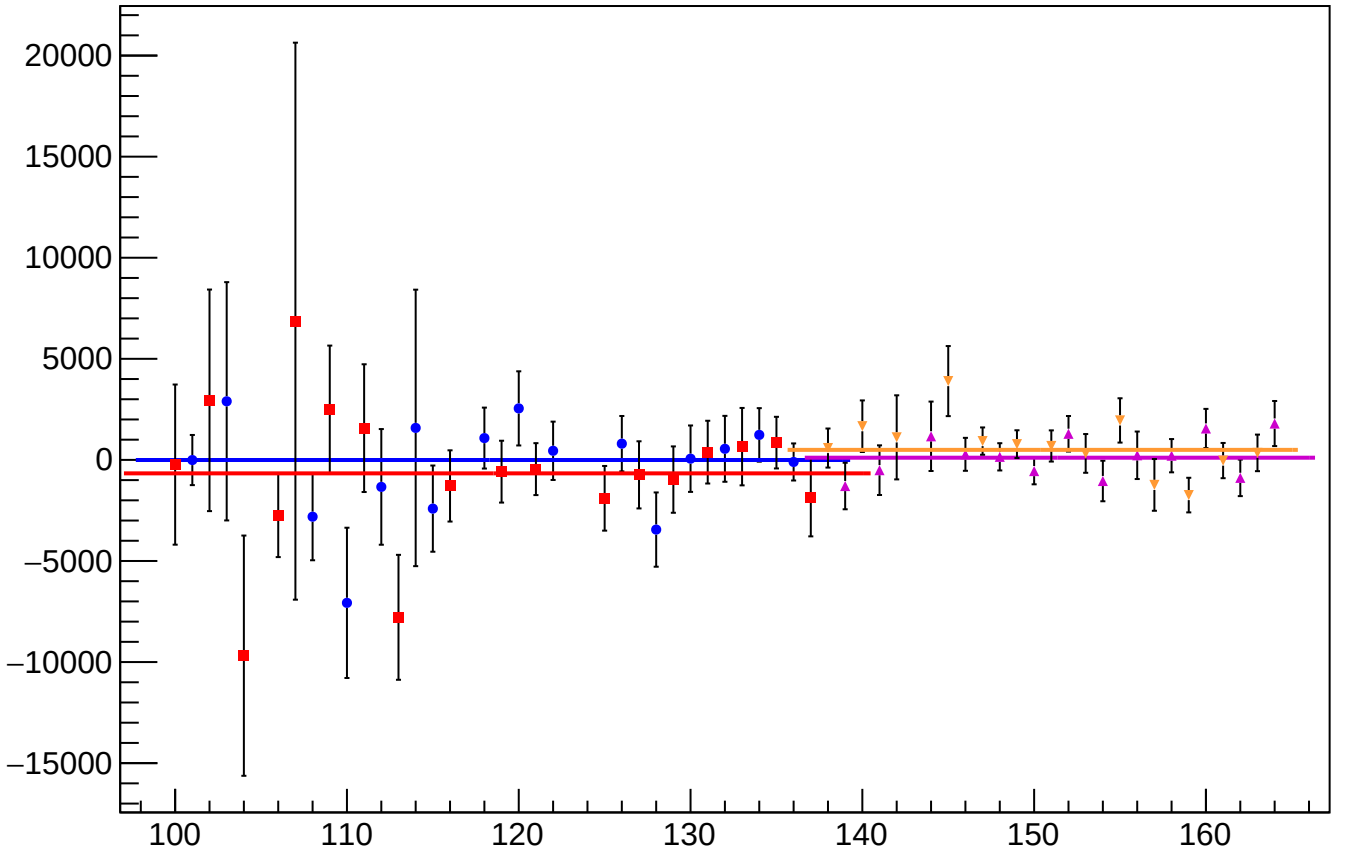
Left: 2393.253+/-0.366 χ^2/NDF: 2719.8/25

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2456.970+/-0.409 χ^2/NDF:274134.2/28

Out: 2495.592+/-0.423 χ^2/NDF:529177.5/30

All: 2475.625+/-0.294 χ^2/NDF: 807626.6/59



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 496.157+/-261.008 χ^2/NDF:16.3/12

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: 108.497+/-255.023 χ^2/NDF:12.1/12

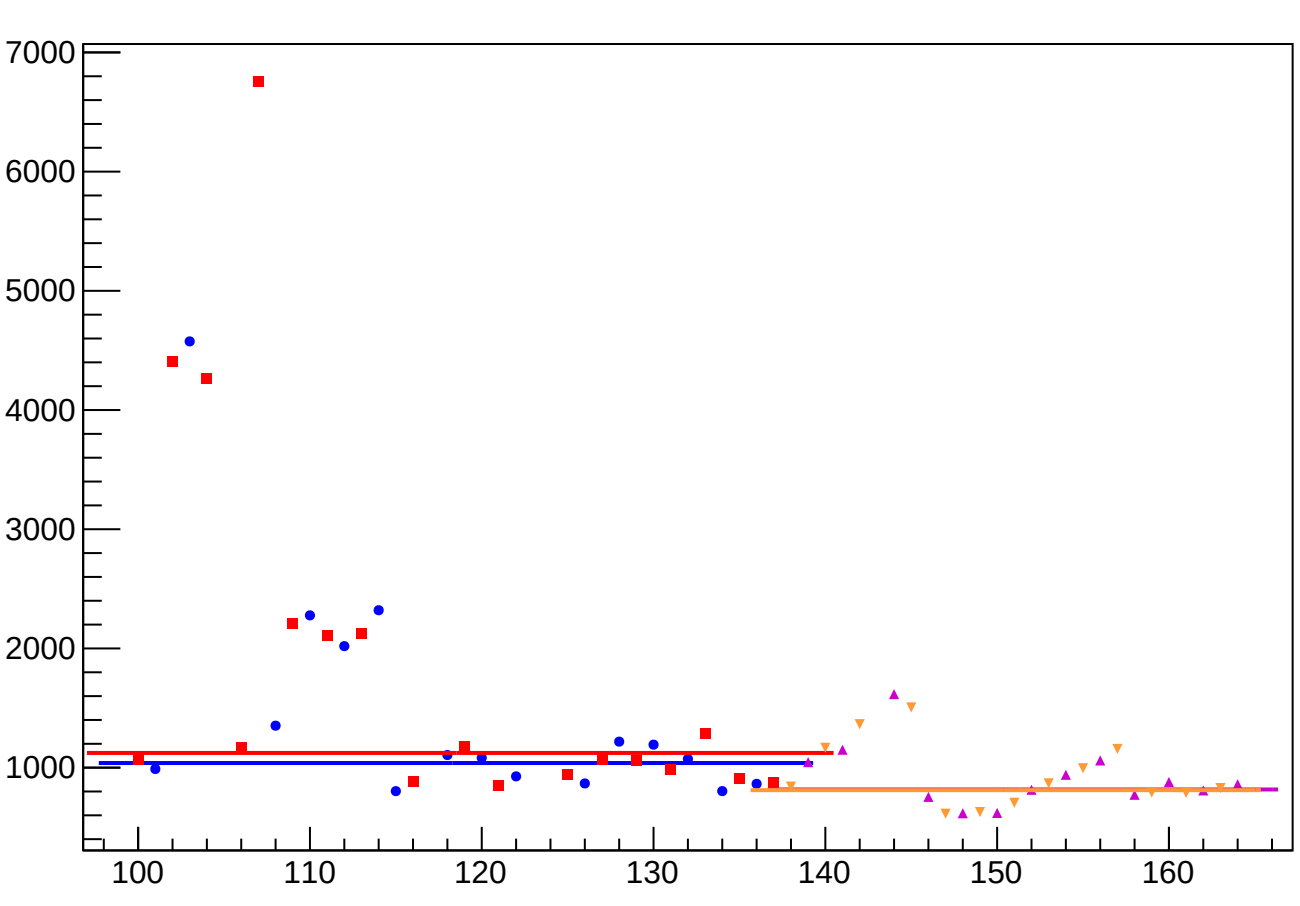
Left: 297.832+/-182.408 χ^2/NDF: 29.5/25

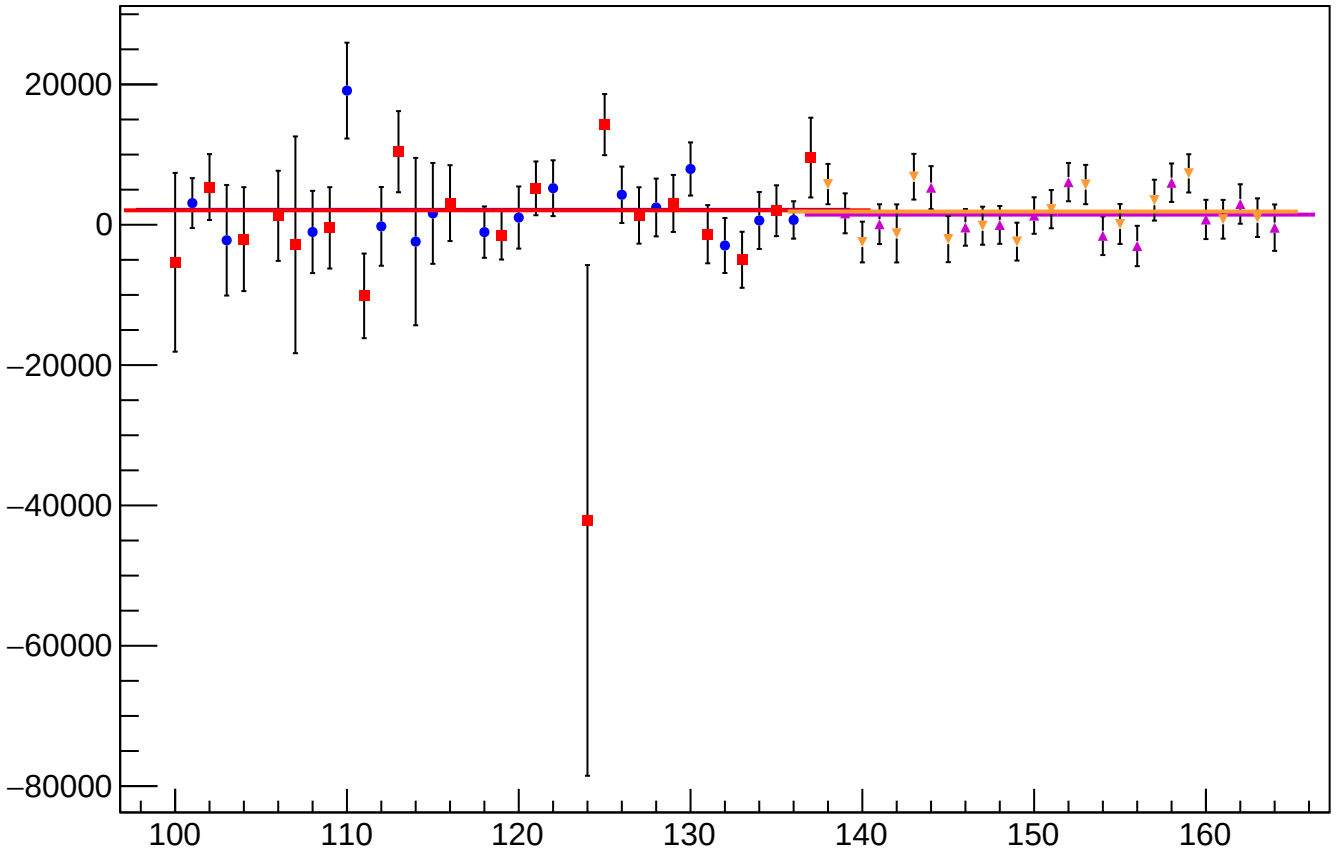
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: 77.037+/-216.879 χ^2/NDF:26.6/28

Out: 213.610+/-227.072 χ^2/NDF:35.5/30

All: 142.190+/-156.836 χ^2/NDF: 62.3/59


asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1038.804+/-0.292 χ²/NDF: 1539724.8/15
Left Out: 811.120+/-0.185 χ²/NDF:1183776.3/12
Right Out: 1123.474+/-0.326 χ²/NDF: 2535509.9/17
Left In: 816.777+/-0.180 χ²/NDF:1162136.3/12
Left: 814.014+/-0.129 χ²/NDF: 2346393.3/25
Right: 1076.471+/-0.217 χ²/NDF: 4112767.4/33
In: 878.227+/-0.153 χ²/NDF:3121426.5/28
Out: 887.063+/-0.161 χ²/NDF:4415692.8/30
All: 882.442+/-0.111 χ²/NDF: 7538702.9/59



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1882.329+/-776.406 χ^2/NDF:18.3/13

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1445.249+/-777.880 χ^2/NDF:12.5/12

Left: 1664.203+/-549.522 χ^2/NDF: 31.0/26

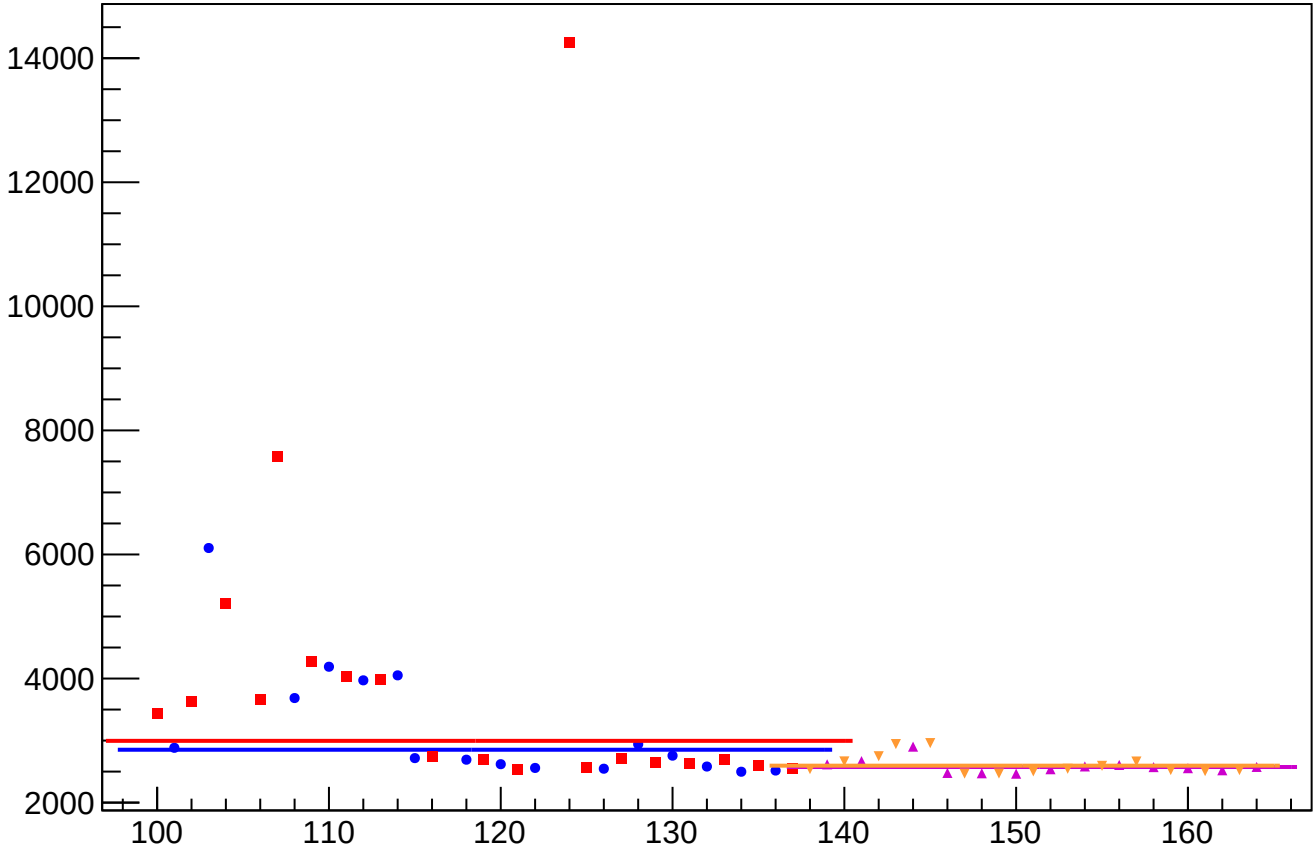
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1675.087+/-632.133 χ^2/NDF:26.1/28

Out: 1938.760+/-641.144 χ^2/NDF:42.7/32

All: 1805.057+/-450.137 χ^2/NDF: 68.9/61

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2595.457+/-0.549 χ^2/NDF:69342.4/13

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2573.771+/-0.550 χ^2/NDF:36059.6/12

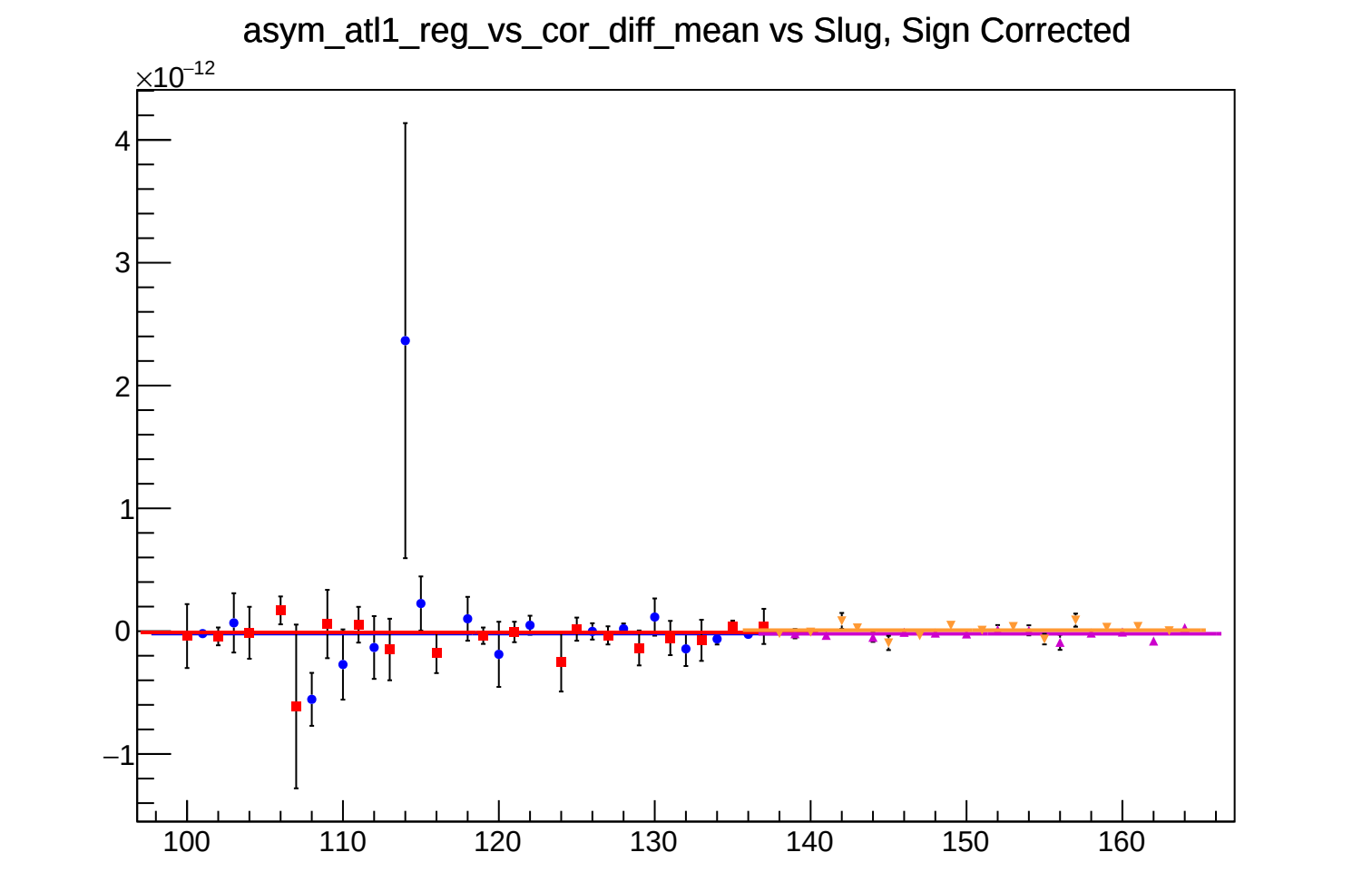
Left: 2584.635+/-0.389 χ^2/NDF: 106180.6/26

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2668.334+/-0.447 χ^2/NDF:771800.7/28

Out: 2722.711+/-0.453 χ^2/NDF:1217422.1/32

All: 2695.138+/-0.318 χ^2/NDF: 1996517.7/61



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.3/12

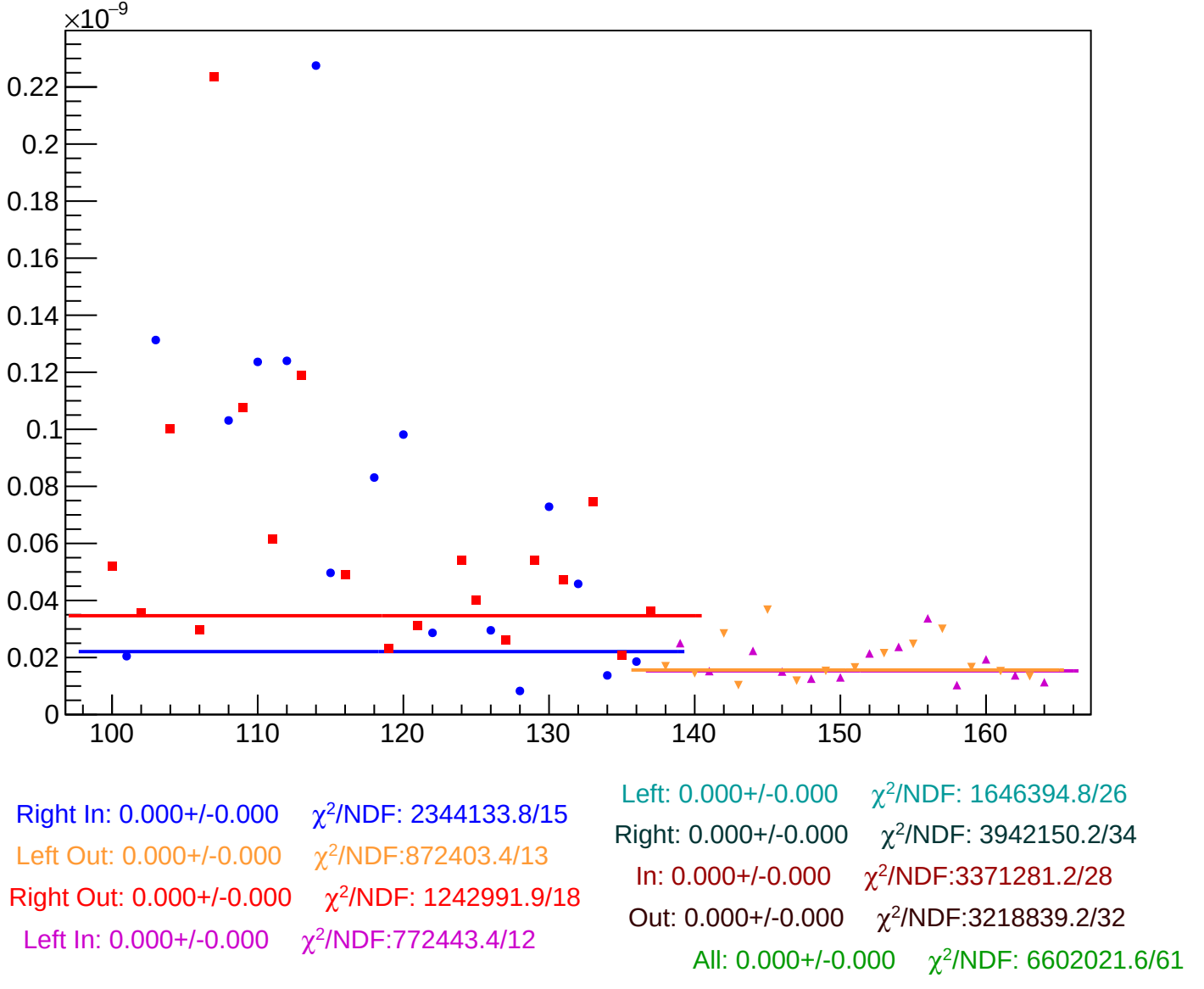
Left: -0.000+/-0.000 χ^2/NDF: 40.2/26

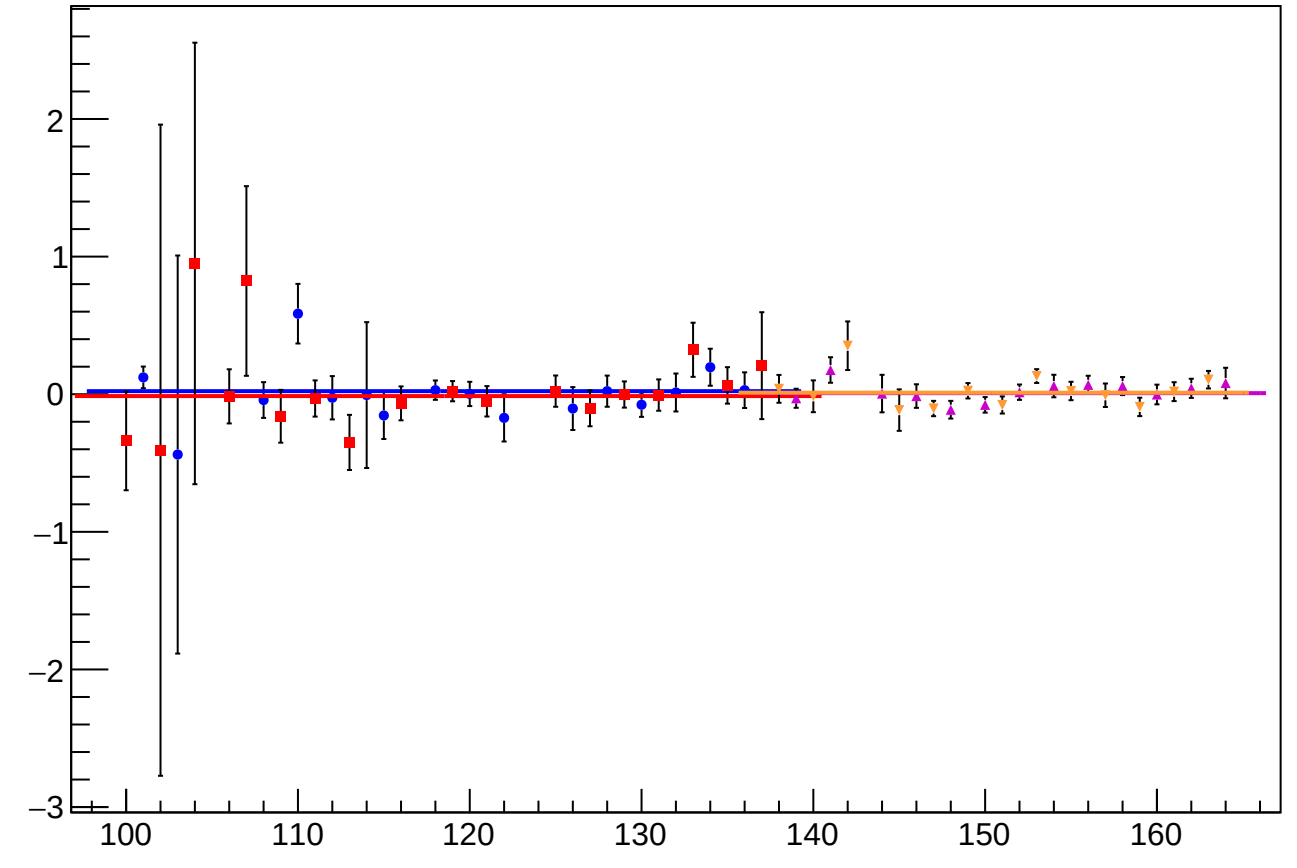
Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:27.8/28

Out: 0.000+/-0.000 χ^2/NDF:29.8/32

All: -0.000+/-0.000 χ^2/NDF: 64.6/61


asym_atl1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2344133.8/15
Left Out: 0.000+/-0.000 χ²/NDF:872403.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 1242991.9/18
Left In: 0.000+/-0.000 χ²/NDF:772443.4/12
Left: 0.000+/-0.000 χ²/NDF: 1646394.8/26
Right: 0.000+/-0.000 χ²/NDF: 3942150.2/34
In: 0.000+/-0.000 χ²/NDF:3371281.2/28
Out: 0.000+/-0.000 χ²/NDF:3218839.2/32
All: 0.000+/-0.000 χ²/NDF: 6602021.6/61



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.008+/-0.020 χ^2/NDF:12.0/12

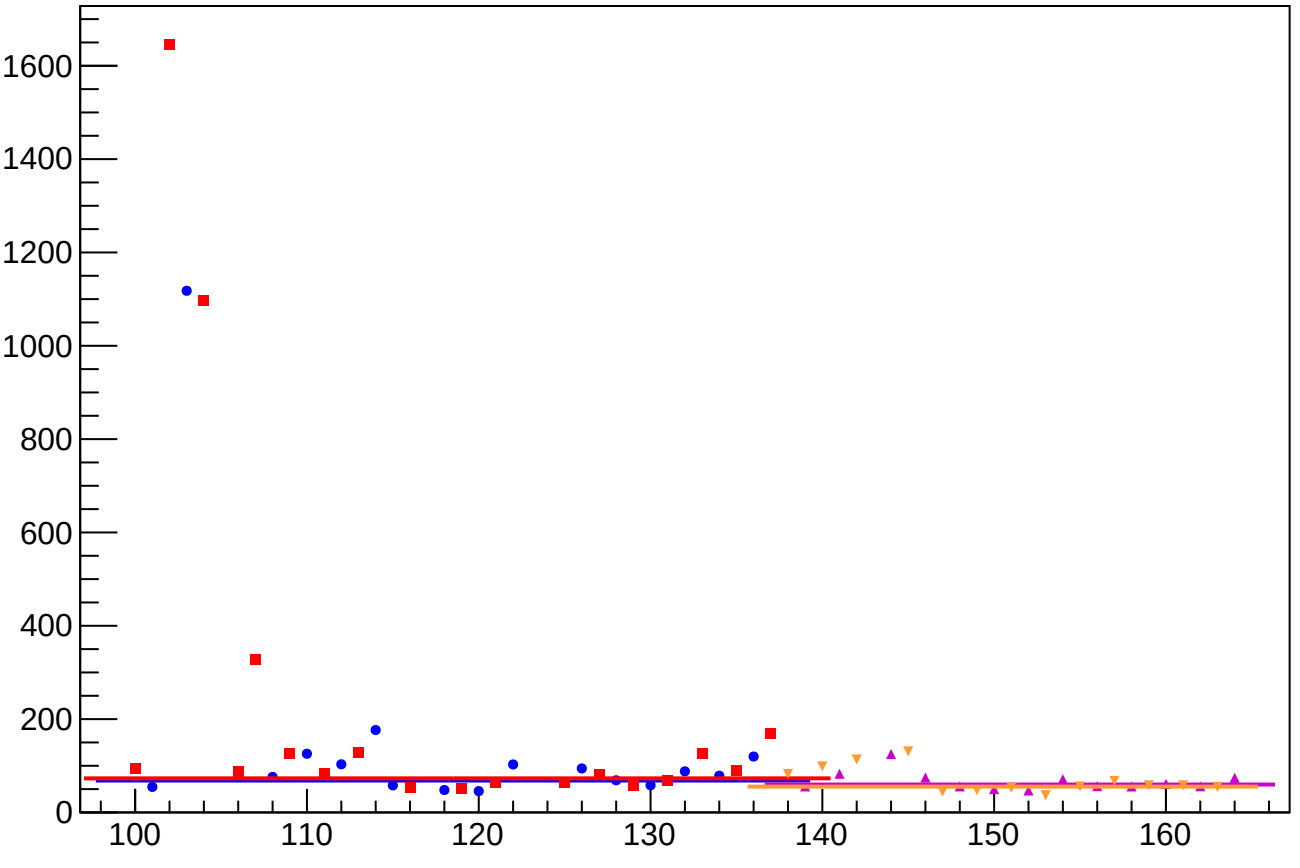
Left: 0.010+/-0.014 χ^2/NDF: 33.5/25

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.012+/-0.017 χ^2/NDF:26.9/28

Out: 0.005+/-0.017 χ^2/NDF:32.7/30

All: 0.009+/-0.012 χ^2/NDF: 59.7/59



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.391+/-0.014 χ^2/NDF:1573459.6/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.808+/-0.014 χ^2/NDF:919782.2/12

Left: 57.553+/-0.010 χ^2/NDF: 2542706.5/25

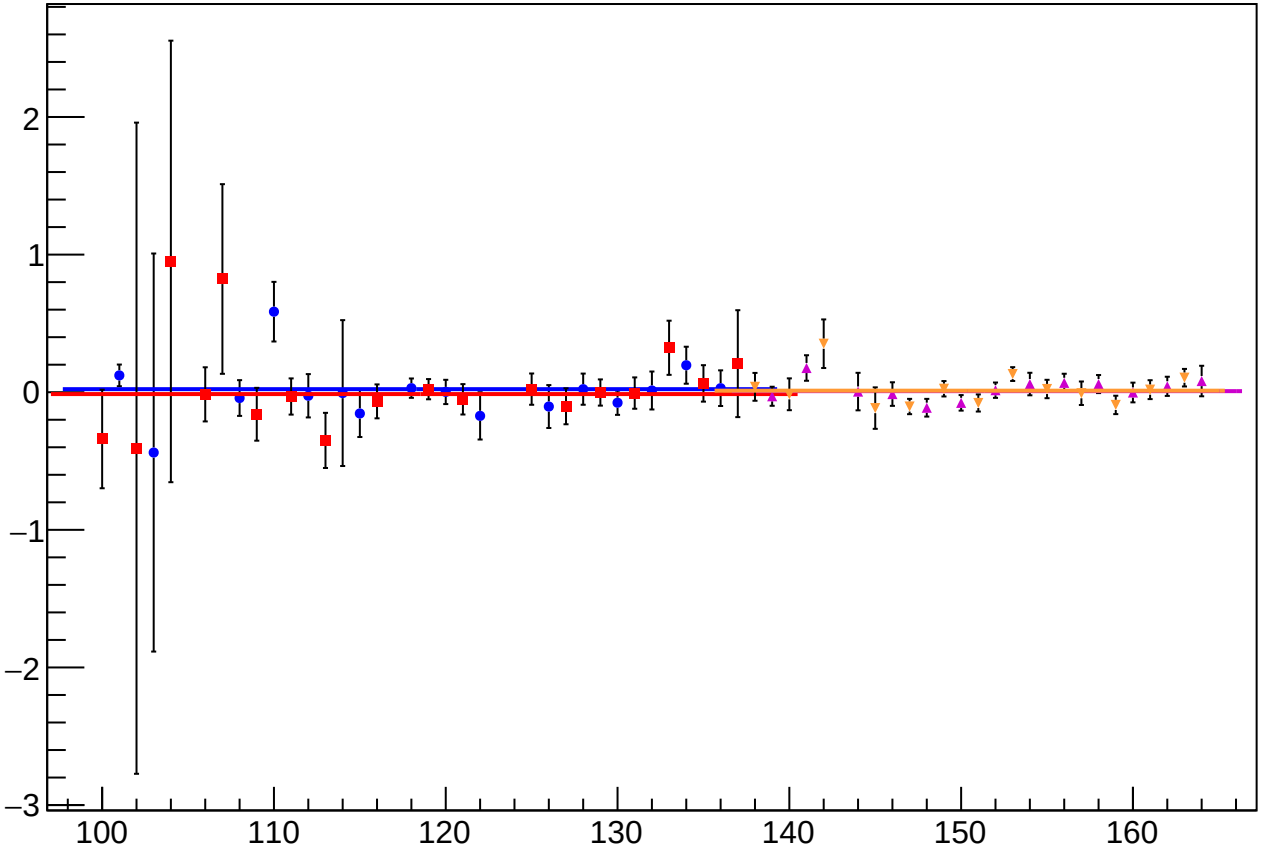
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.454+/-0.012 χ^2/NDF:3311212.0/28

Out: 59.921+/-0.012 χ^2/NDF:4901521.3/30

All: 61.206+/-0.008 χ^2/NDF: 8235388.4/59

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: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.008+/-0.020 χ^2/NDF:12.0/12

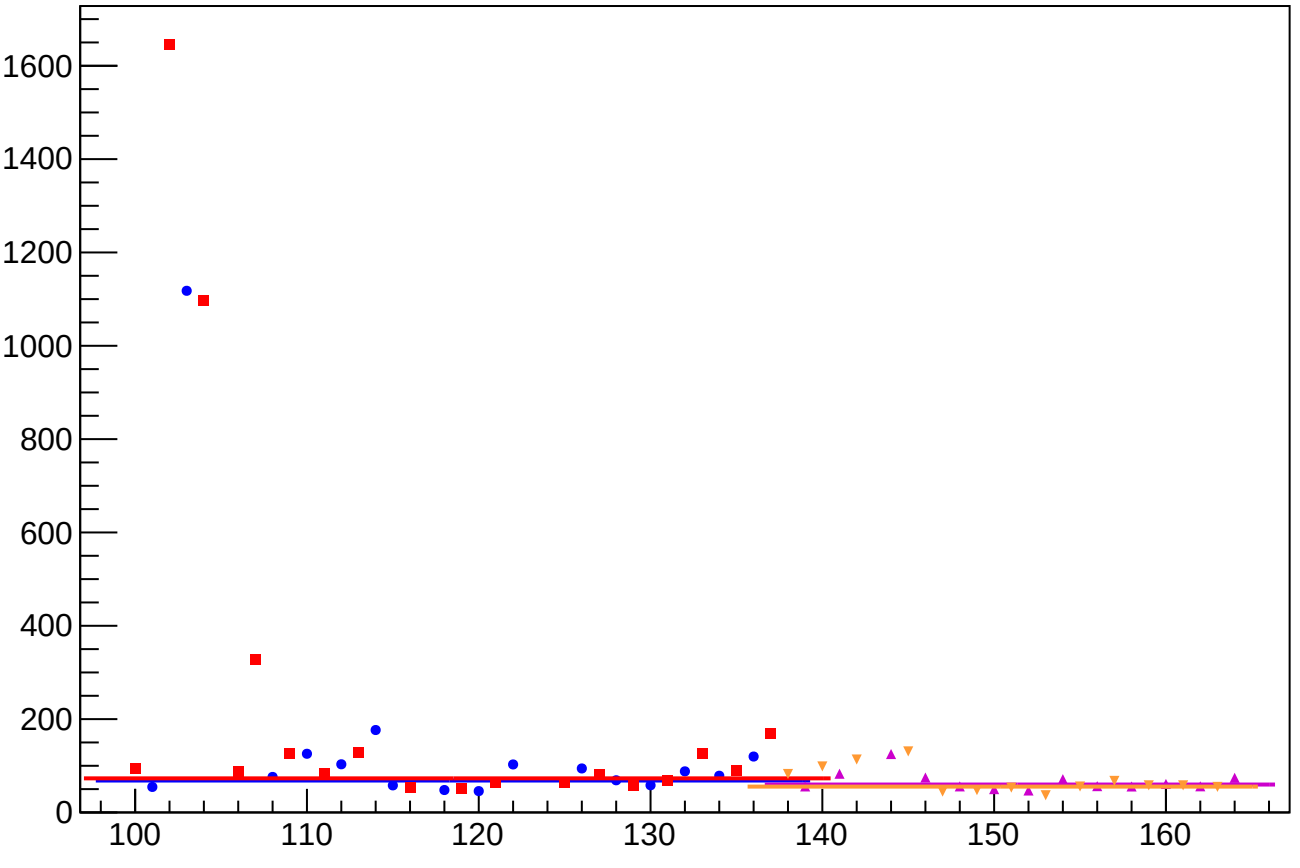
Left: 0.010+/-0.014 χ^2/NDF: 33.5/25

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.012+/-0.017 χ^2/NDF:26.9/28

Out: 0.005+/-0.017 χ^2/NDF:32.7/30

All: 0.009+/-0.012 χ^2/NDF: 59.7/59



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.391+/-0.014 χ^2/NDF:1573459.6/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.808+/-0.014 χ^2/NDF:919782.2/12

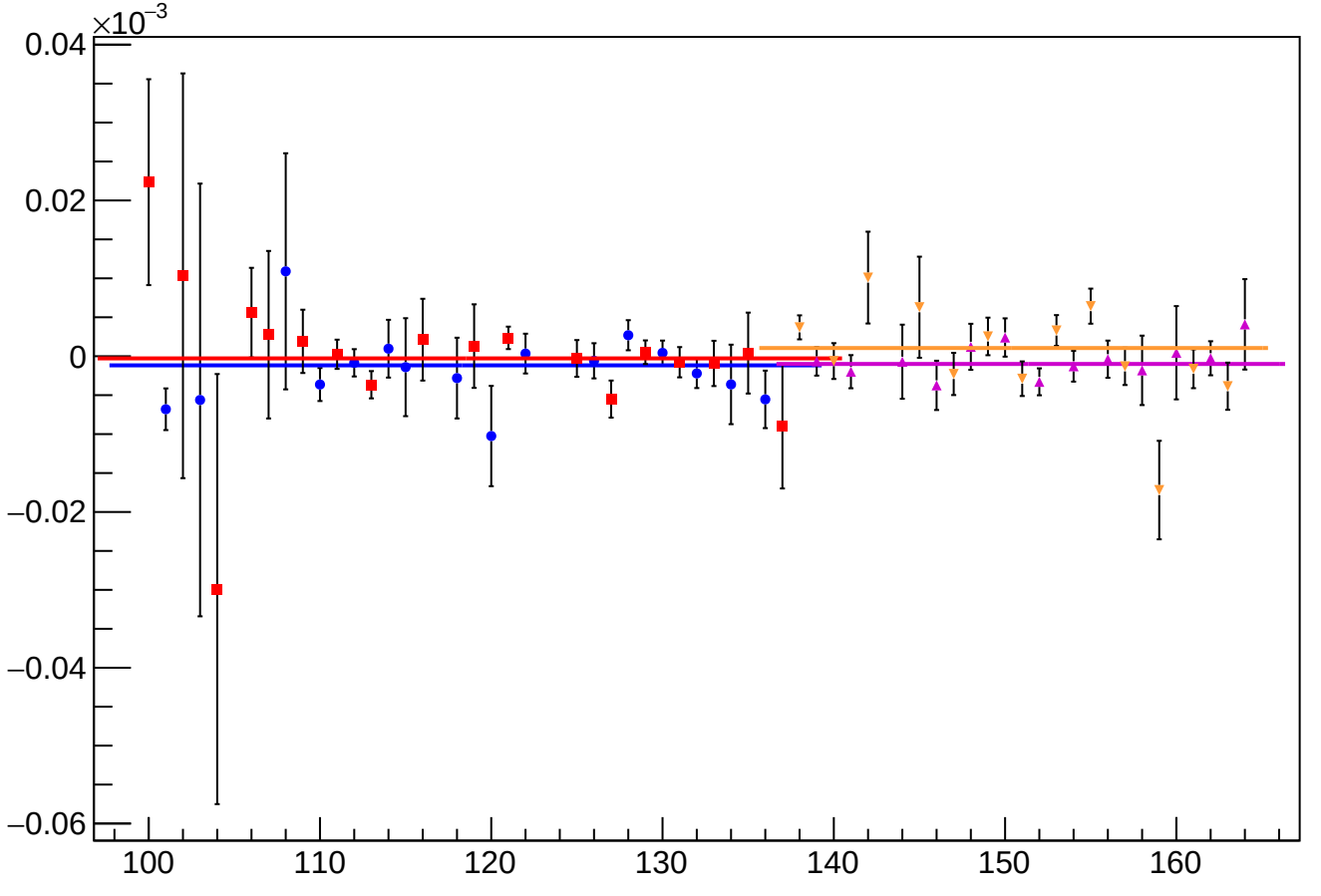
Left: 57.553+/-0.010 χ^2/NDF: 2542706.5/25

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.454+/-0.012 χ^2/NDF:3311212.0/28

Out: 59.921+/-0.012 χ^2/NDF:4901521.3/30

All: 61.206+/-0.008 χ^2/NDF: 8235388.4/59



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:6.3/12

Left: 0.000+/-0.000 χ^2/NDF: 42.2/25

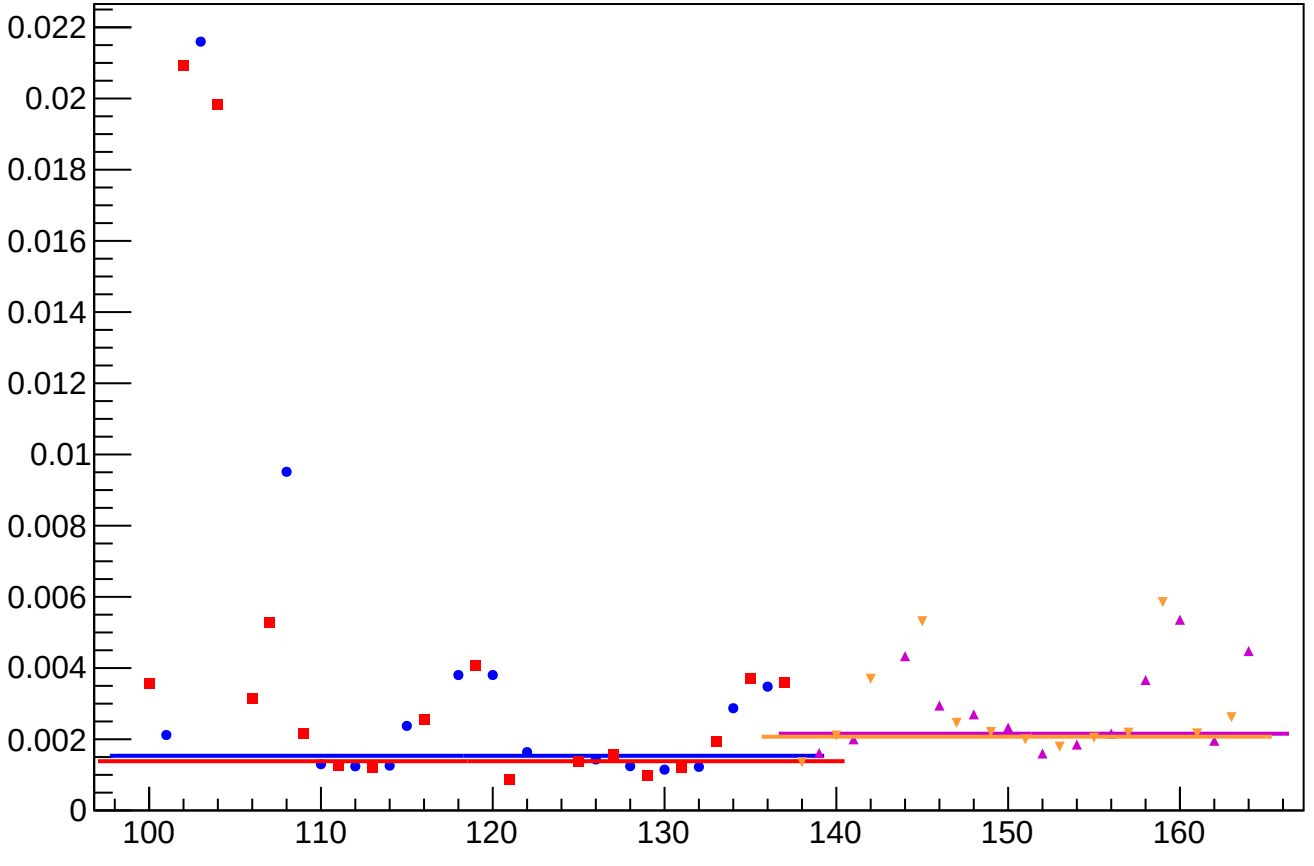
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:22.6/28

Out: 0.000+/-0.000 χ^2/NDF:53.1/30

All: -0.000+/-0.000 χ^2/NDF: 80.2/59

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:1959097.3/12

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:2198686.0/12

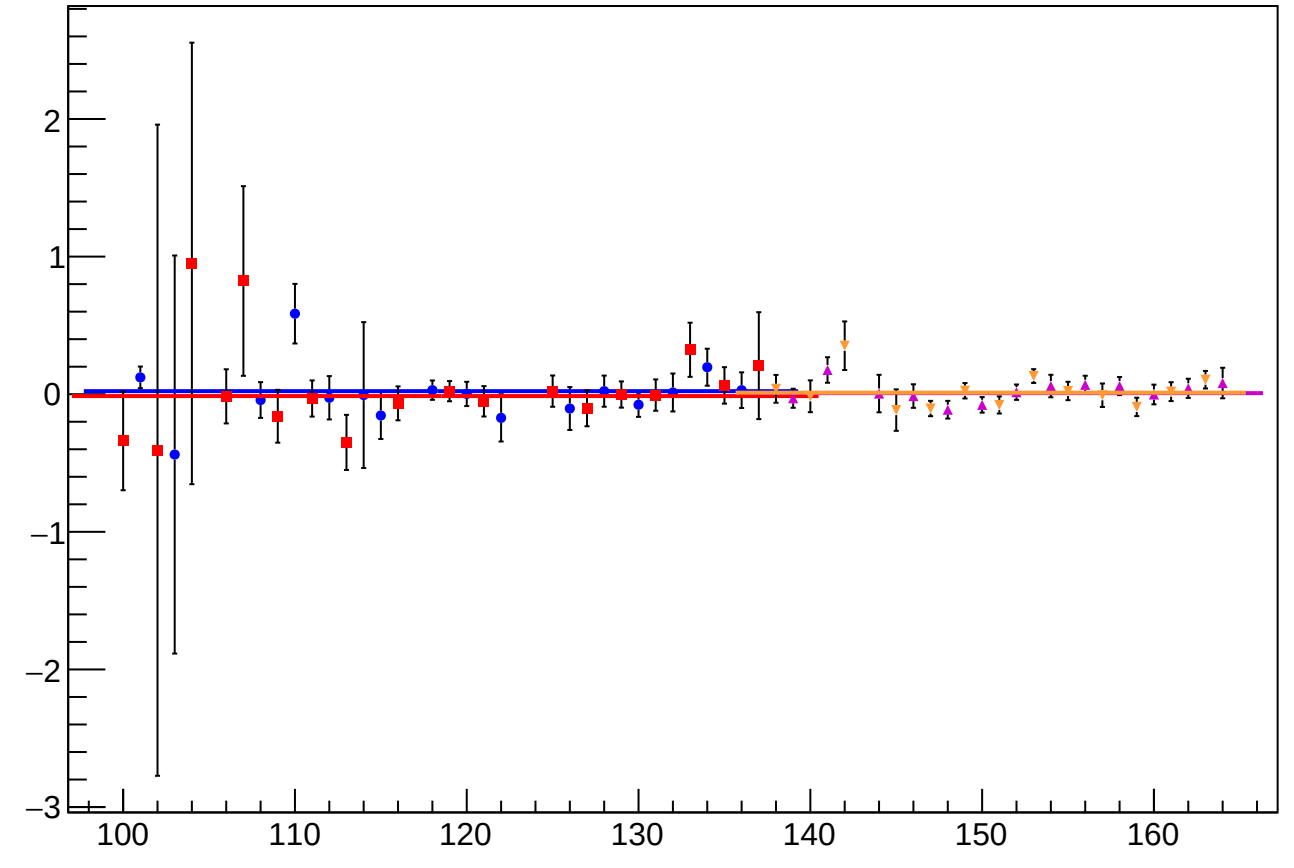
Left: 0.002+/-0.000 χ^2/NDF: 4172214.4/25

Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:6395363.7/28

Out: 0.002+/-0.000 χ^2/NDF:7308177.1/30

All: 0.002+/-0.000 χ^2/NDF: 13778871.1/59



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.008+/-0.020 χ^2/NDF:12.0/12

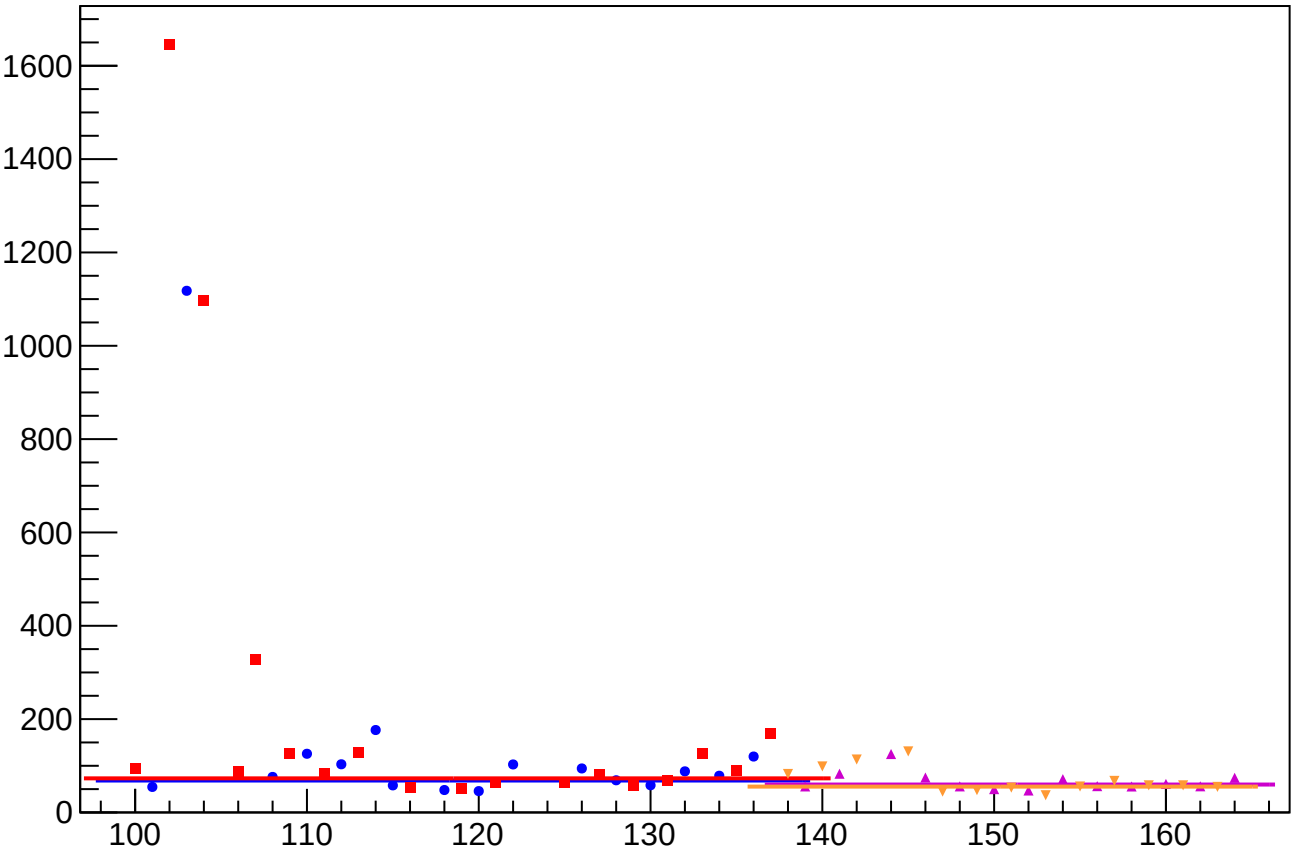
Left: 0.010+/-0.014 χ^2/NDF: 33.5/25

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.012+/-0.017 χ^2/NDF:26.9/28

Out: 0.005+/-0.017 χ^2/NDF:32.7/30

All: 0.009+/-0.012 χ^2/NDF: 59.7/59



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.391+/-0.014 χ^2/NDF:1573526.4/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.808+/-0.014 χ^2/NDF:919758.4/12

Left: 57.553+/-0.010 χ^2/NDF: 2542760.1/25

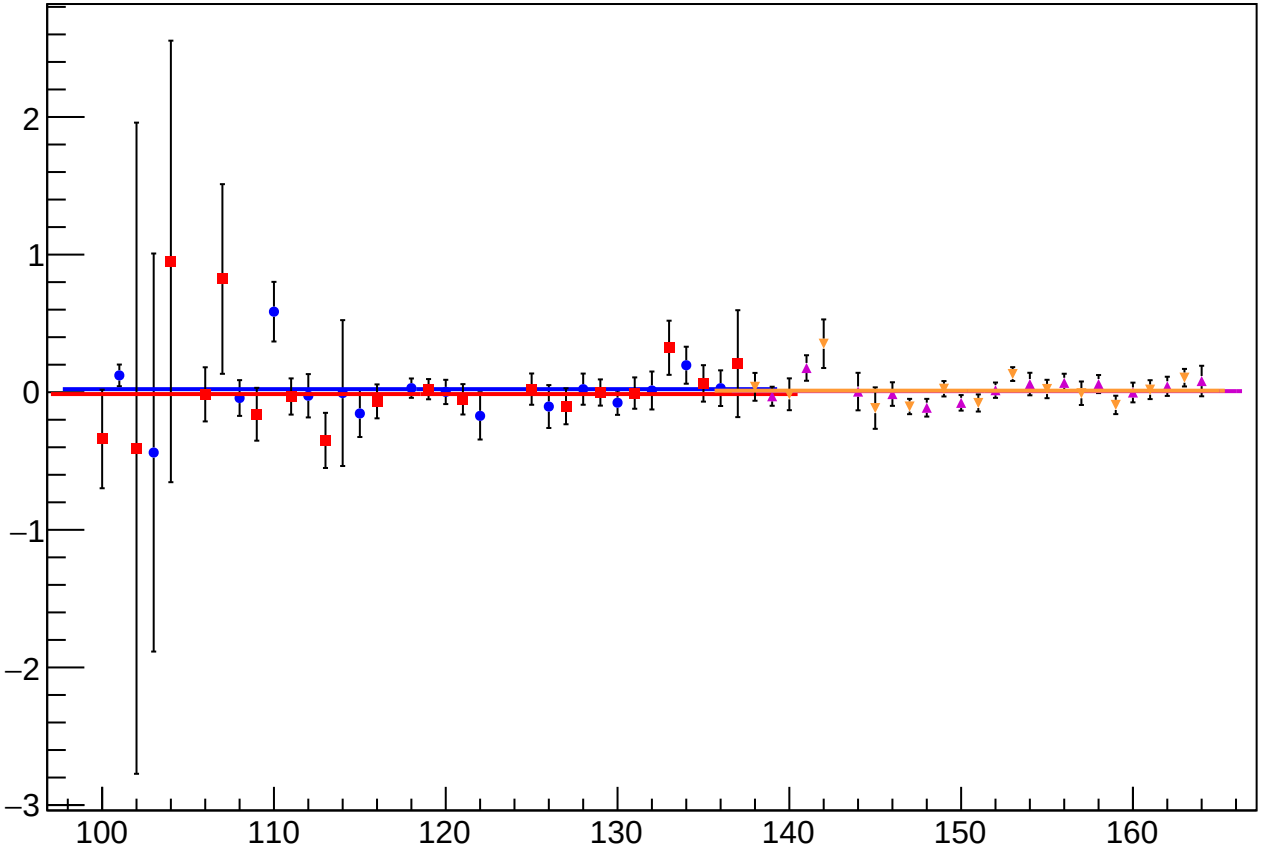
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.454+/-0.012 χ^2/NDF:3311242.7/28

Out: 59.921+/-0.012 χ^2/NDF:4901591.8/30

All: 61.206+/-0.008 χ^2/NDF: 8235493.2/59

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: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.008+/-0.020 χ^2/NDF:12.0/12

Left: 0.010+/-0.014 χ^2/NDF: 33.5/25

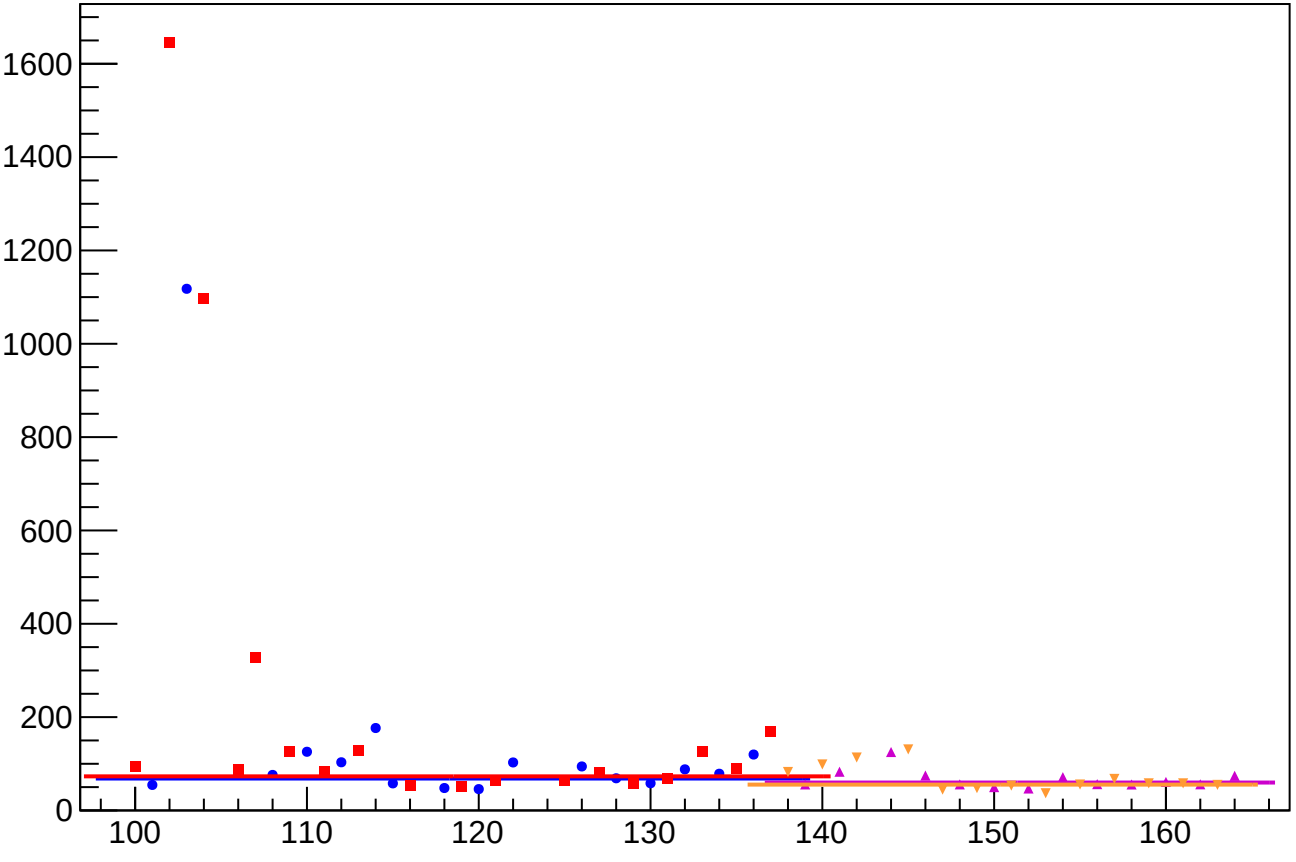
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.012+/-0.017 χ^2/NDF:26.9/28

Out: 0.005+/-0.017 χ^2/NDF:32.7/30

All: 0.009+/-0.012 χ^2/NDF: 59.7/59

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: 55.391+/-0.014 χ^2/NDF:1573526.4/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.808+/-0.014 χ^2/NDF:919758.4/12

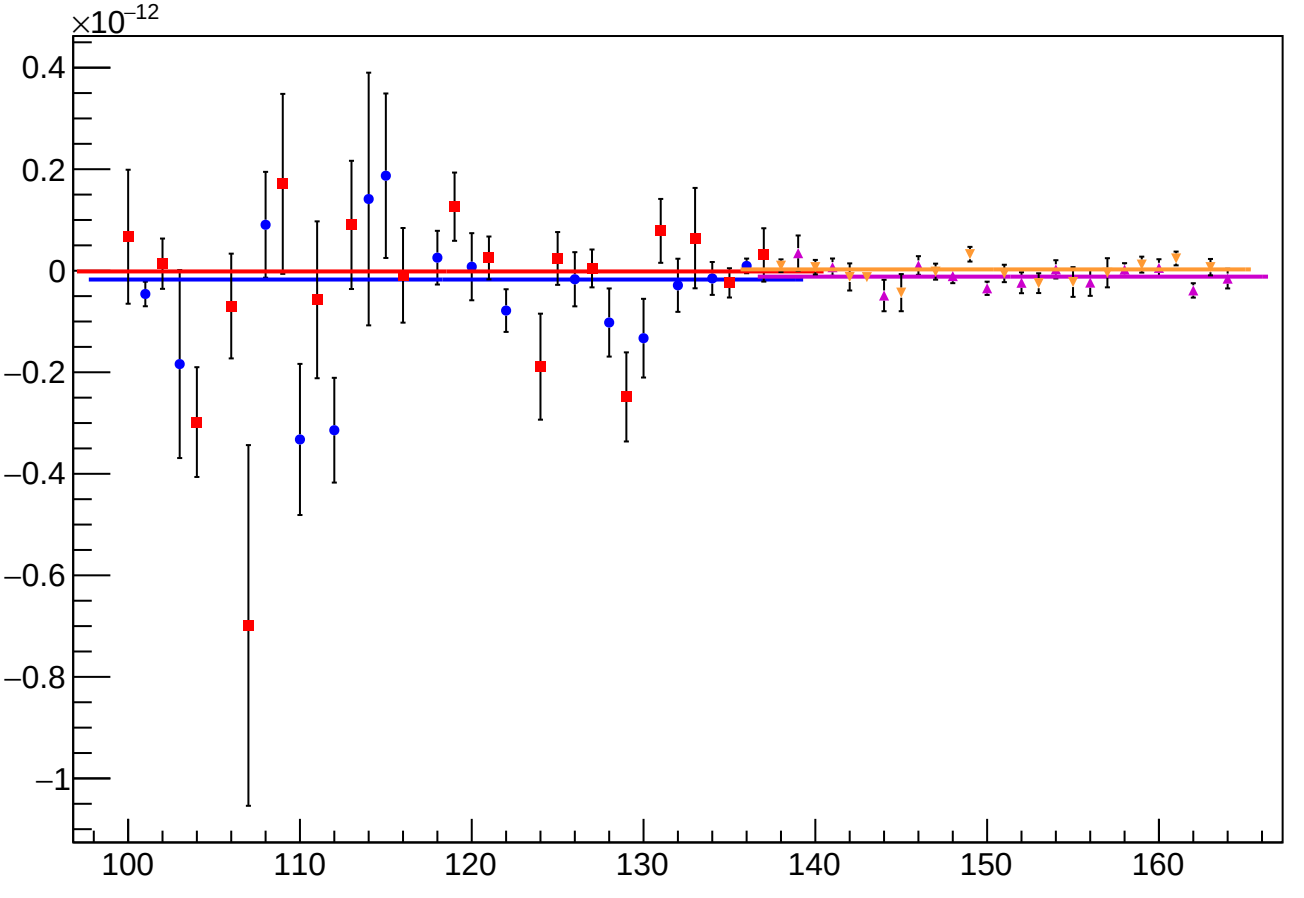
Left: 57.553+/-0.010 χ^2/NDF: 2542760.1/25

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.454+/-0.012 χ^2/NDF:3311242.7/28

Out: 59.921+/-0.012 χ^2/NDF:4901591.8/30

All: 61.206+/-0.008 χ^2/NDF: 8235493.2/59



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:16.0/12

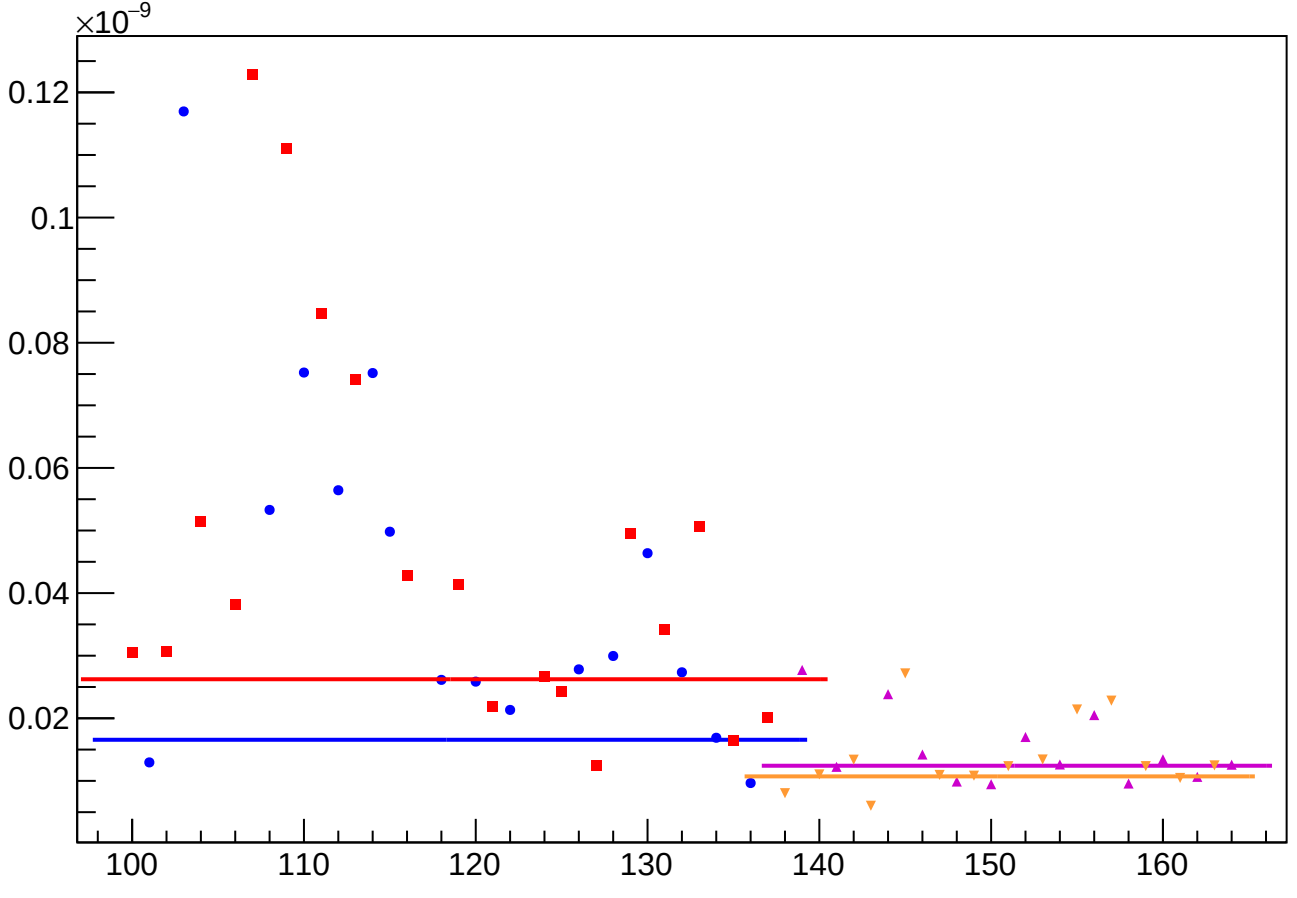
Left: -0.000+/-0.000 χ^2/NDF: 36.2/26

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:44.5/28

Out: 0.000+/-0.000 χ^2/NDF:47.6/32

All: -0.000+/-0.000 χ^2/NDF: 98.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1747545.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1273743.9/12

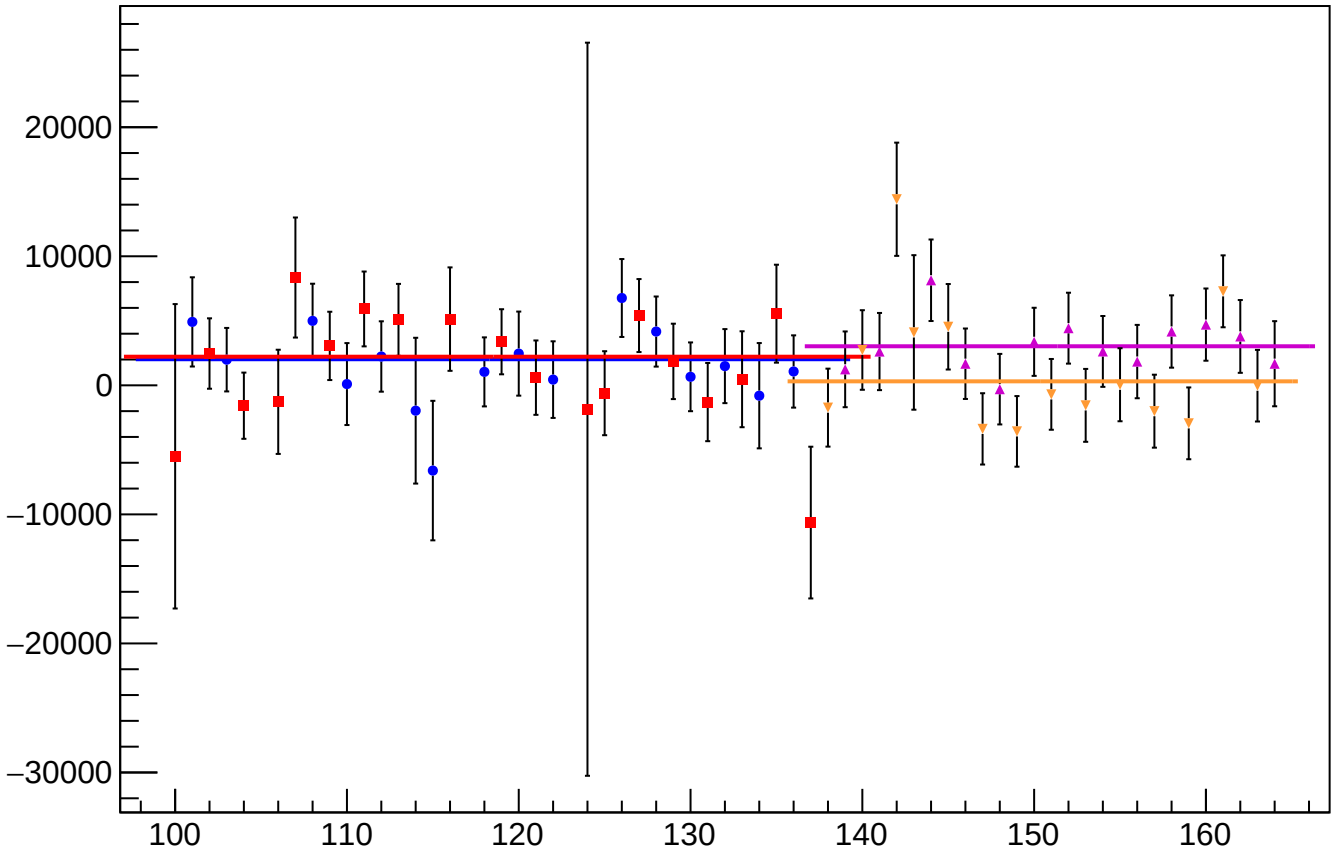
Left: 0.000+/-0.000 χ^2/NDF: 3162258.0/26

Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:4377482.6/28

Out: 0.000+/-0.000 χ^2/NDF:6270690.6/32

All: 0.000+/-0.000 χ^2/NDF: 10731780.9/61



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 308.966+/-804.134 χ^2/NDF:26.1/13

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 3026.546+/-790.145 χ^2/NDF:6.0/12

Left: 1691.599+/-563.597 χ^2/NDF: 37.9/26

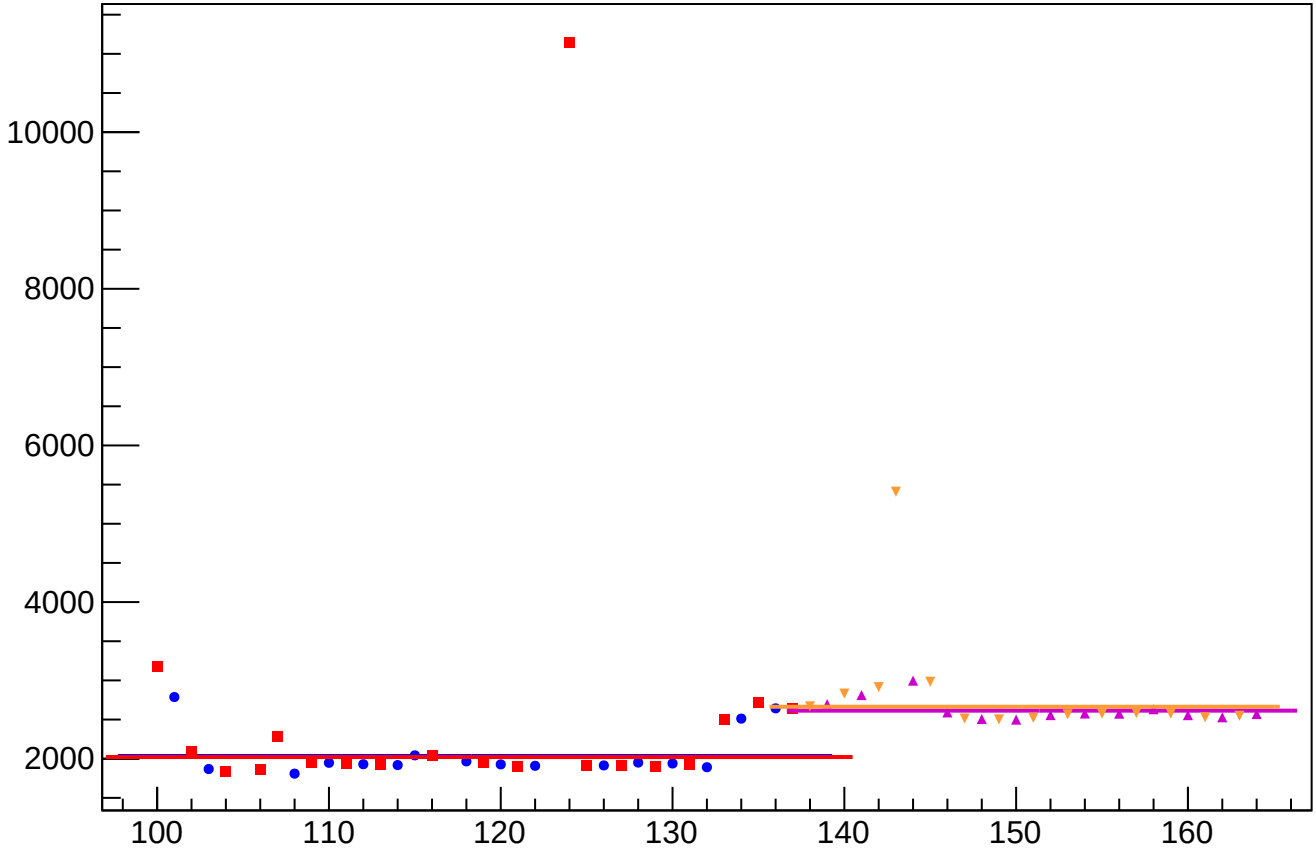
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2507.969+/-549.373 χ^2/NDF:16.4/28

Out: 1321.757+/-550.857 χ^2/NDF:47.3/32

All: 1916.464+/-388.989 χ^2/NDF: 66.0/61

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2663.440+/-0.569 χ^2/NDF:485879.4/13

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2613.701+/-0.559 χ^2/NDF:51497.3/12

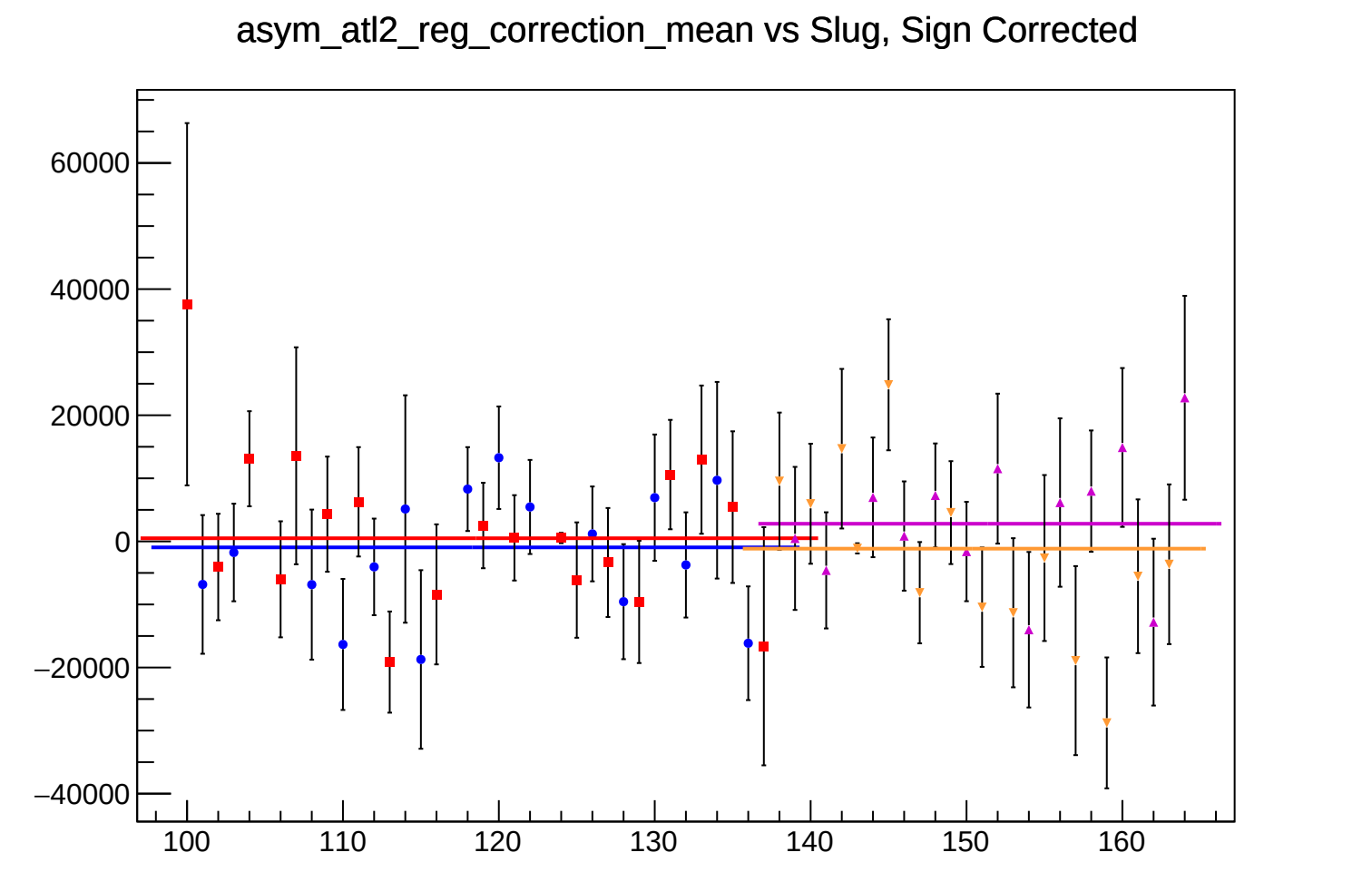
Left: 2638.134+/-0.399 χ^2/NDF: 541269.8/26

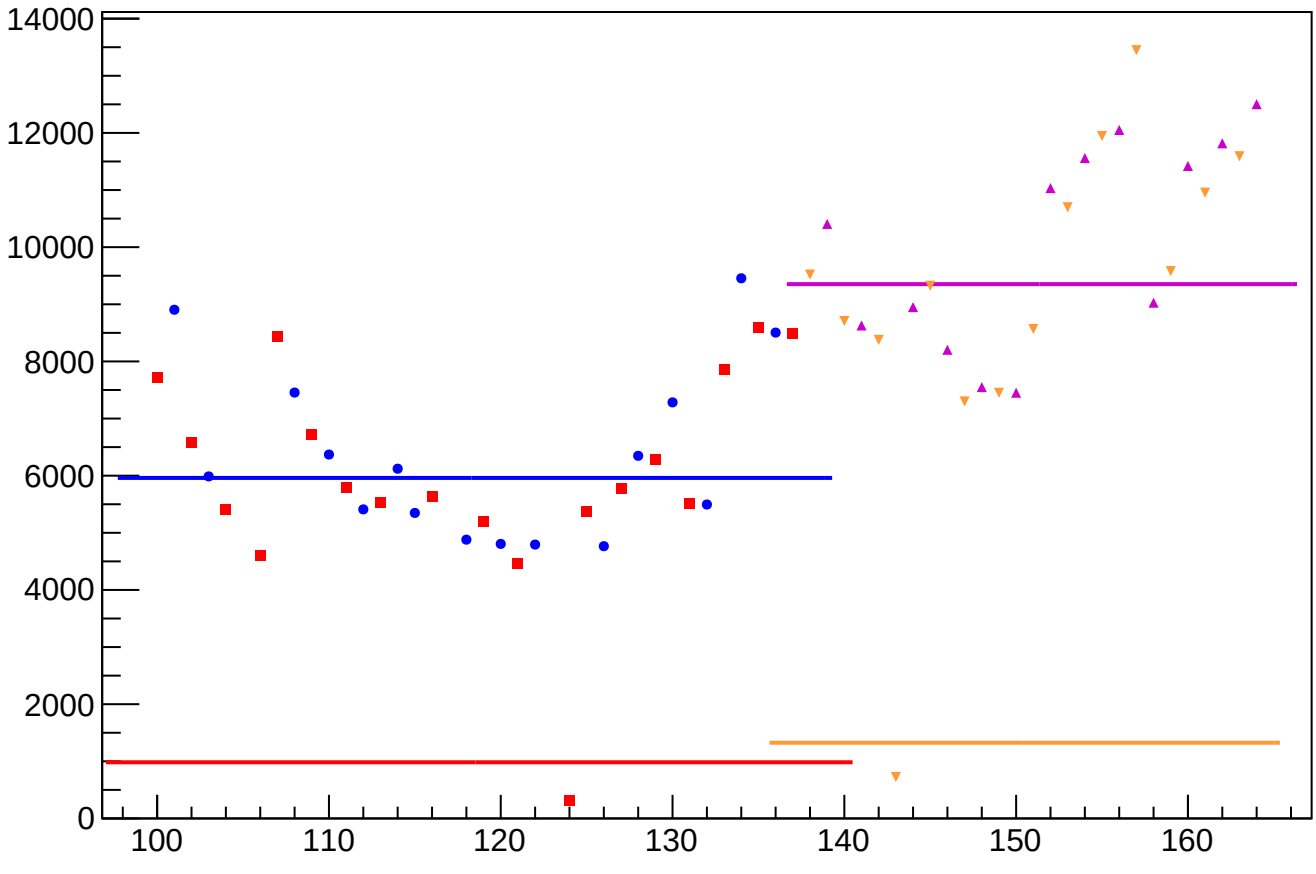
Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2314.318+/-0.388 χ^2/NDF:870269.8/28

Out: 2322.766+/-0.390 χ^2/NDF:1552558.2/32

All: 2318.531+/-0.275 χ^2/NDF: 2423063.8/61


asym_atl2_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -950.519+/-2278.532 χ²/NDF: 15.3/15
Left Out: -1154.493+/-778.201 χ²/NDF:21.0/13
Right Out: 497.346+/-768.286 χ²/NDF: 18.5/18
Left In: 2796.483+/-2877.804 χ²/NDF:8.1/12
Left: -885.267+/-751.220 χ²/NDF: 30.9/26
Right: 349.538+/-728.015 χ²/NDF: 34.2/34
In: 493.307+/-1786.392 χ²/NDF:24.5/28
Out: -317.984+/-546.732 χ²/NDF:41.7/32
All: -248.499+/-522.795 χ²/NDF: 66.4/61



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1325.782+/-0.550 χ^2/NDF:16353820.1/13

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9353.015+/-2.035 χ^2/NDF:667877.4/12

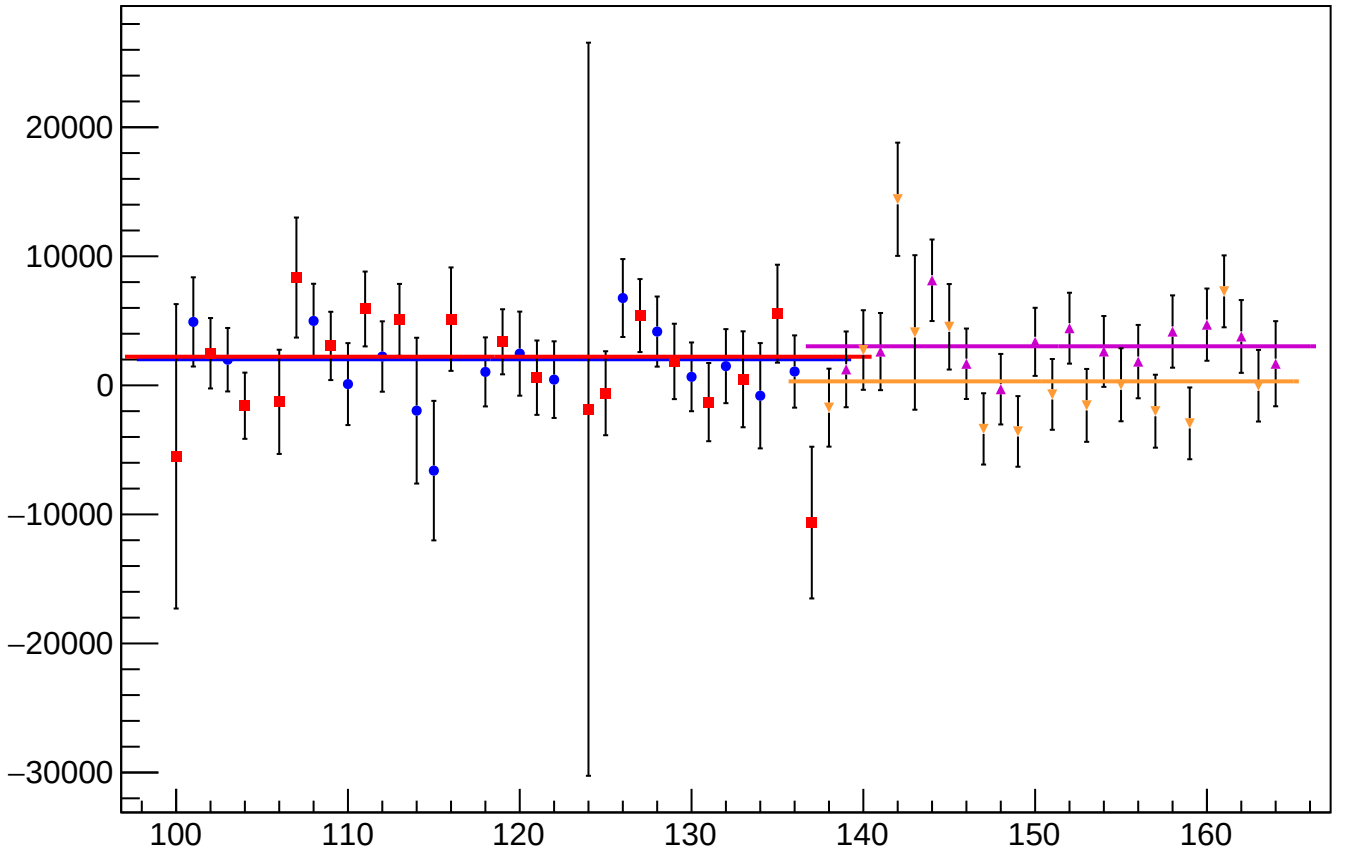
Left: 1872.769+/-0.531 χ^2/NDF: 31522412.5/26

Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7267.918+/-1.263 χ^2/NDF:3065260.0/28

Out: 1152.354+/-0.387 χ^2/NDF:27966657.4/32

All: 1676.131+/-0.370 χ^2/NDF: 52463972.5/6



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 309.060+/-804.134 χ^2/NDF:26.1/13

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 3026.688+/-790.145 χ^2/NDF:6.0/12

Left: 1691.717+/-563.597 χ^2/NDF: 37.9/26

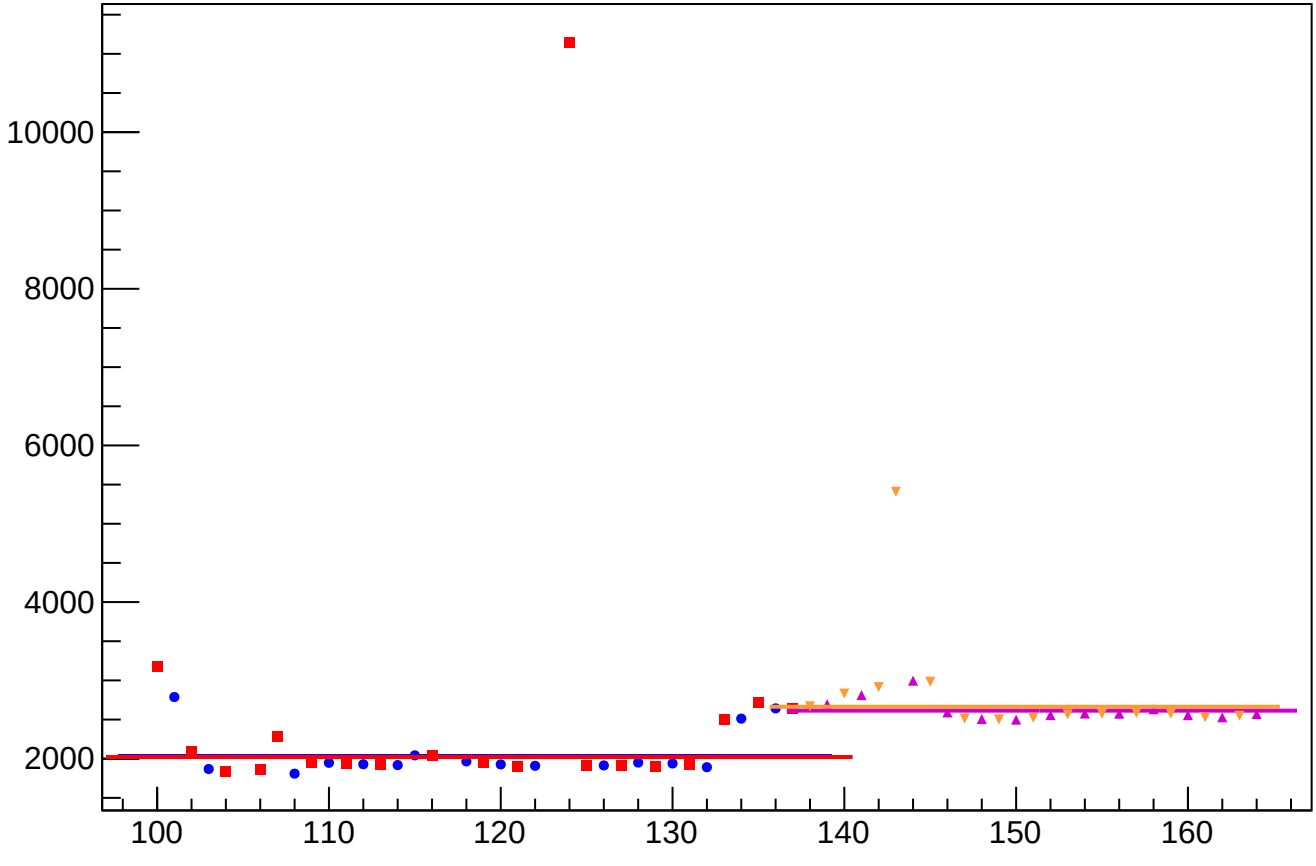
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2508.103+/-549.373 χ^2/NDF:16.4/28

Out: 1322.768+/-550.860 χ^2/NDF:47.3/32

All: 1917.038+/-388.990 χ^2/NDF: 66.0/61

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2663.440+/-0.569 χ^2/NDF:485879.4/13

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2613.701+/-0.559 χ^2/NDF:51497.3/12

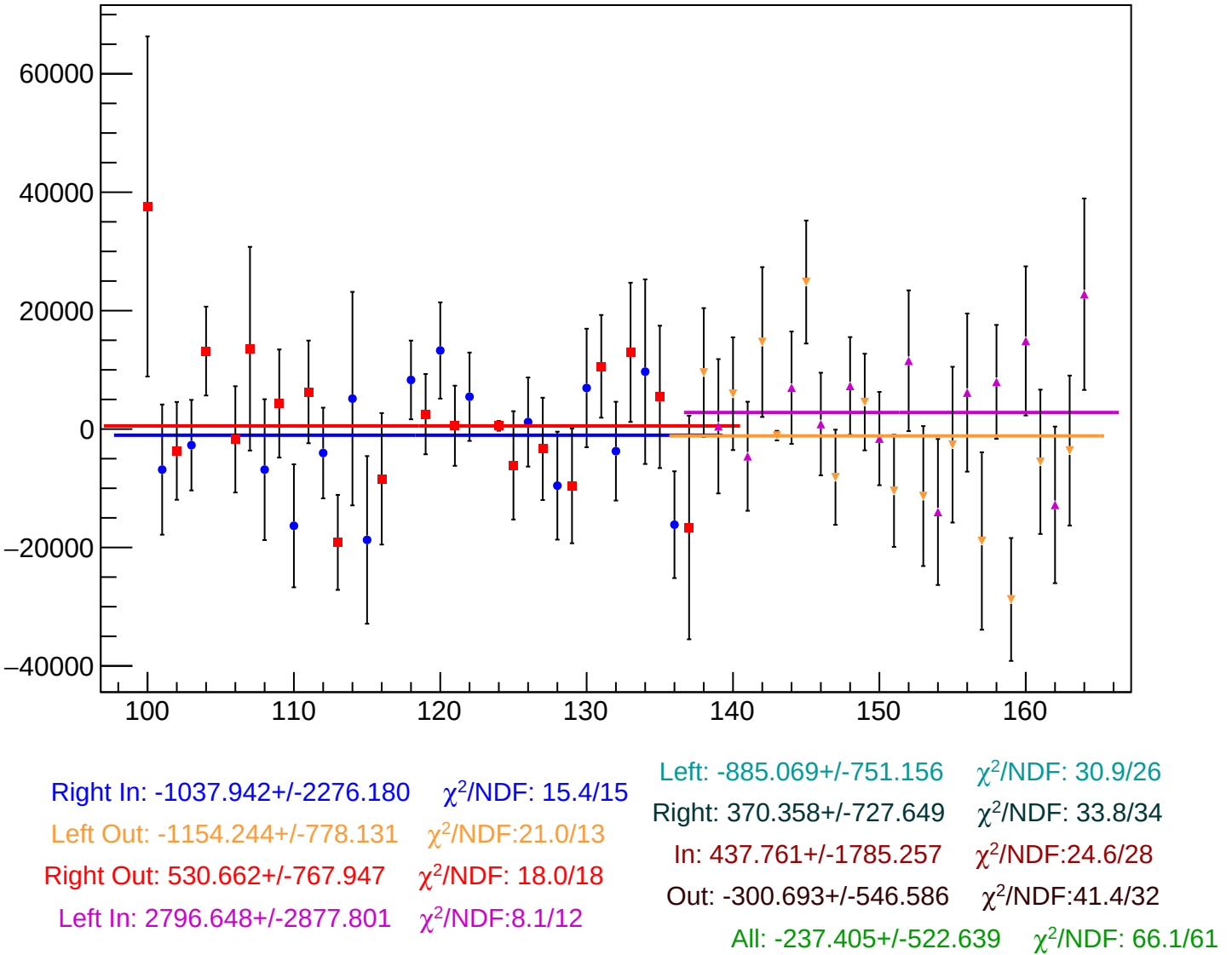
Left: 2638.134+/-0.399 χ^2/NDF: 541269.8/26

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2314.318+/-0.388 χ^2/NDF:870269.9/28

Out: 2322.781+/-0.390 χ^2/NDF:1552518.2/32

All: 2318.538+/-0.275 χ^2/NDF: 2423024.8/61


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
60000
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−20000
−40000
100
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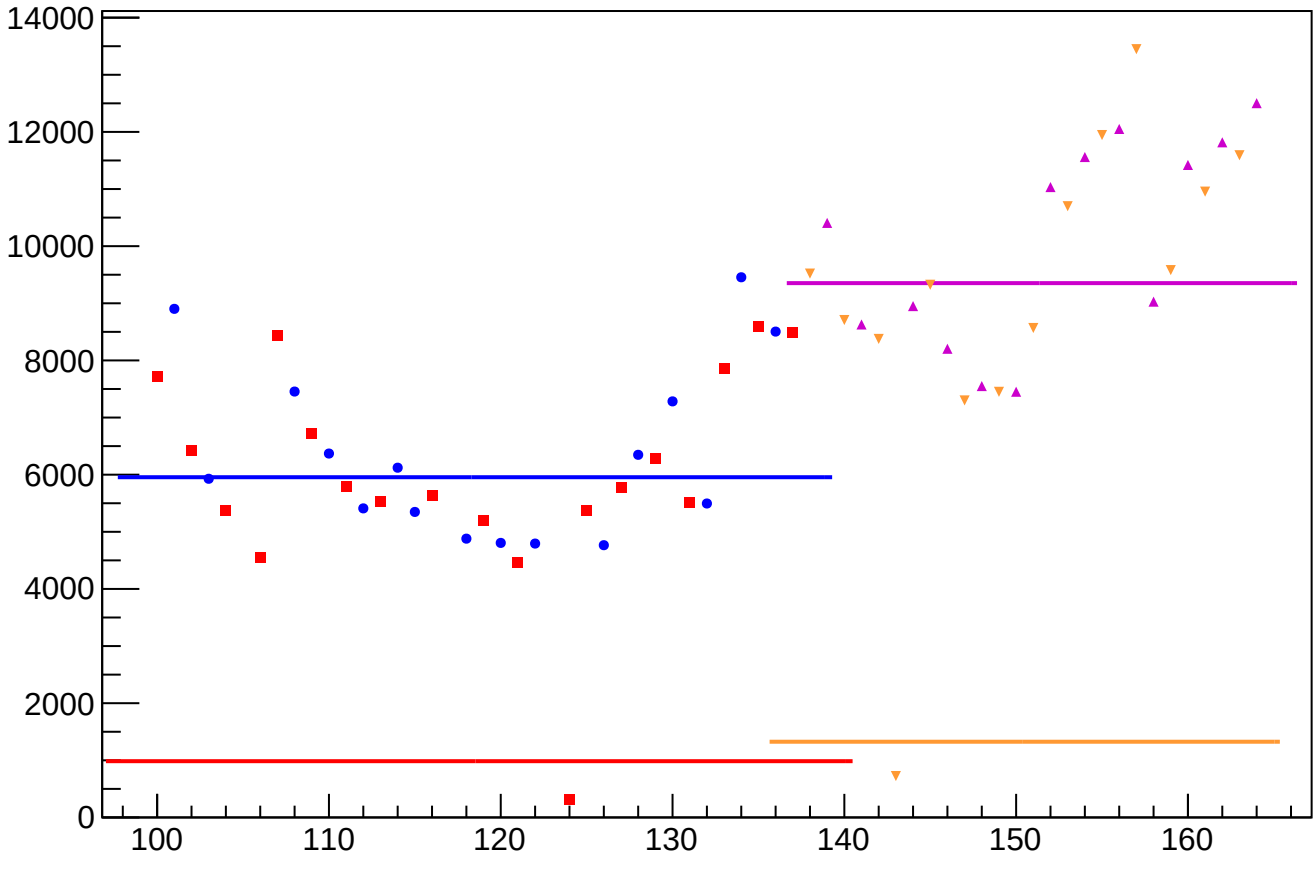
120
130
140
150
160
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1154.244+/-778.131 χ²/NDF:21.0/13
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 2796.648+/-2877.801 χ²/NDF:8.1/12
Left: -885.069+/-751.156 χ²/NDF: 30.9/26
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 437.761+/-1785.257 χ²/NDF:24.6/28
Out: -300.693+/-546.586 χ²/NDF:41.4/32
All: -237.405+/-522.639 χ²/NDF: 66.1/61



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1325.610+/-0.550 χ^2/NDF:16354284.8/13

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9353.006+/-2.035 χ^2/NDF:667883.3/12

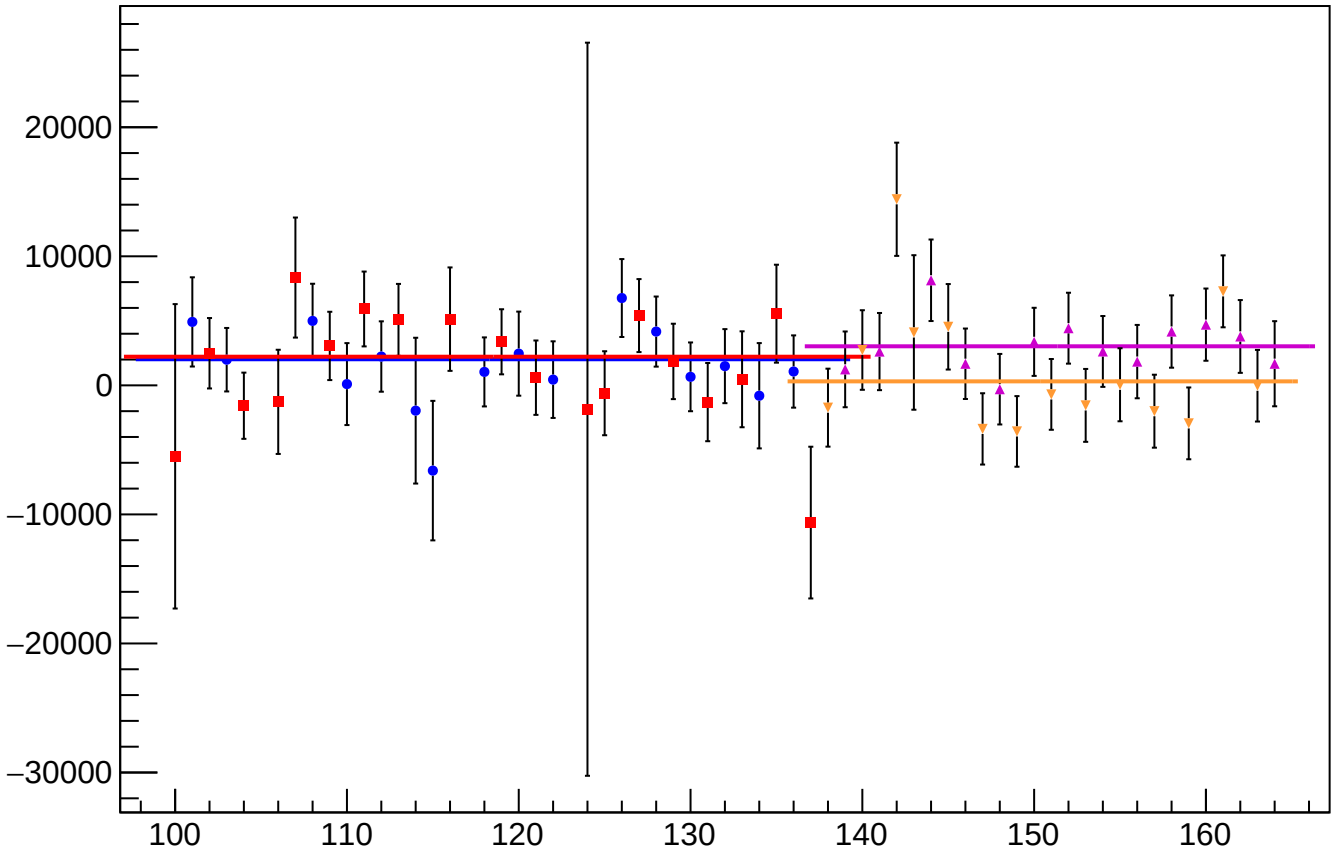
Left: 1872.517+/-0.531 χ^2/NDF: 31523673.2/26

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7263.081+/-1.262 χ^2/NDF:3071699.2/28

Out: 1153.084+/-0.386 χ^2/NDF:27961207.2/32

All: 1676.736+/-0.370 χ^2/NDF: 52451805.4/6



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 309.060+/-804.134 χ^2/NDF:26.1/13

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 3026.688+/-790.145 χ^2/NDF:6.0/12

Left: 1691.717+/-563.597 χ^2/NDF: 37.9/26

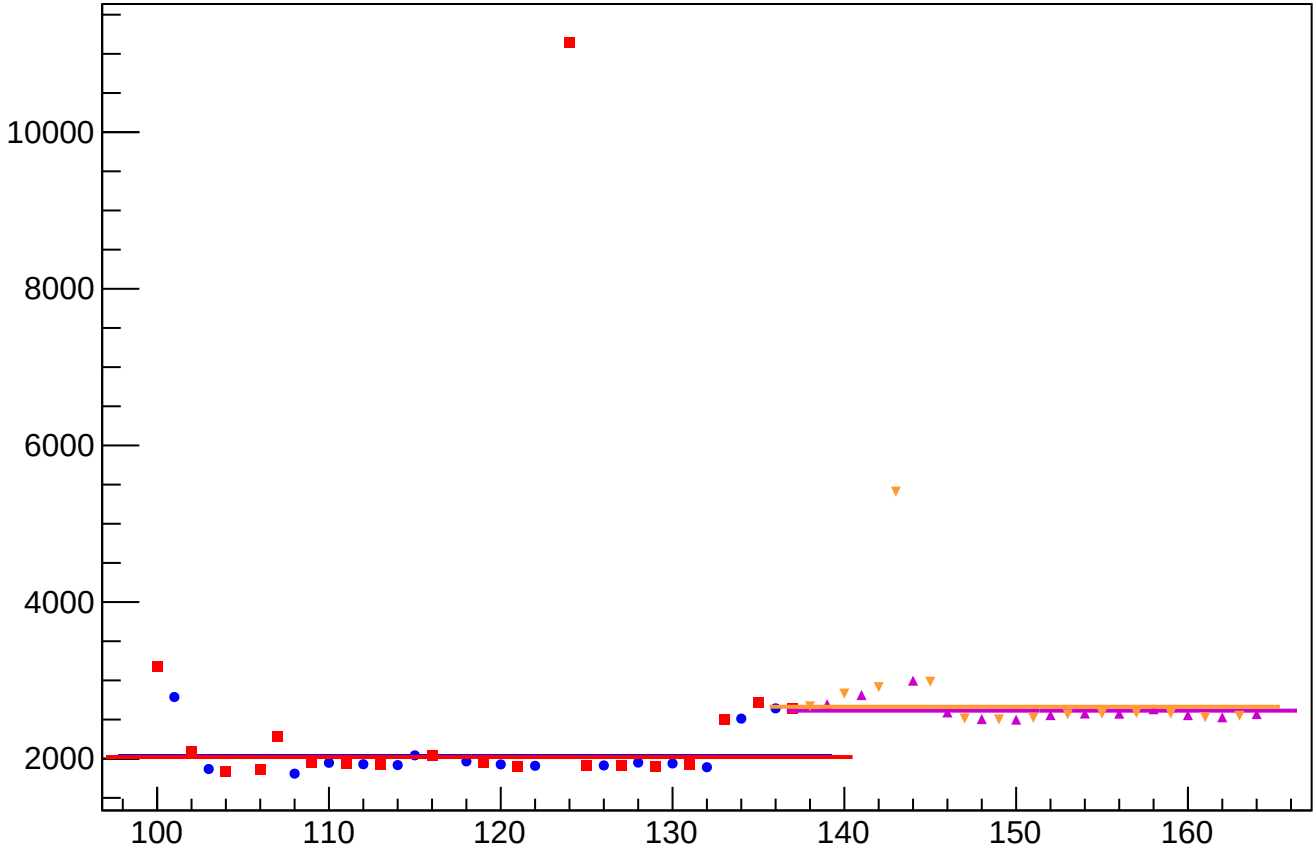
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2508.103+/-549.373 χ^2/NDF:16.4/28

Out: 1322.768+/-550.860 χ^2/NDF:47.3/32

All: 1917.038+/-388.990 χ^2/NDF: 66.0/61

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2663.440+/-0.569 χ^2/NDF:485879.4/13

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2613.701+/-0.559 χ^2/NDF:51497.3/12

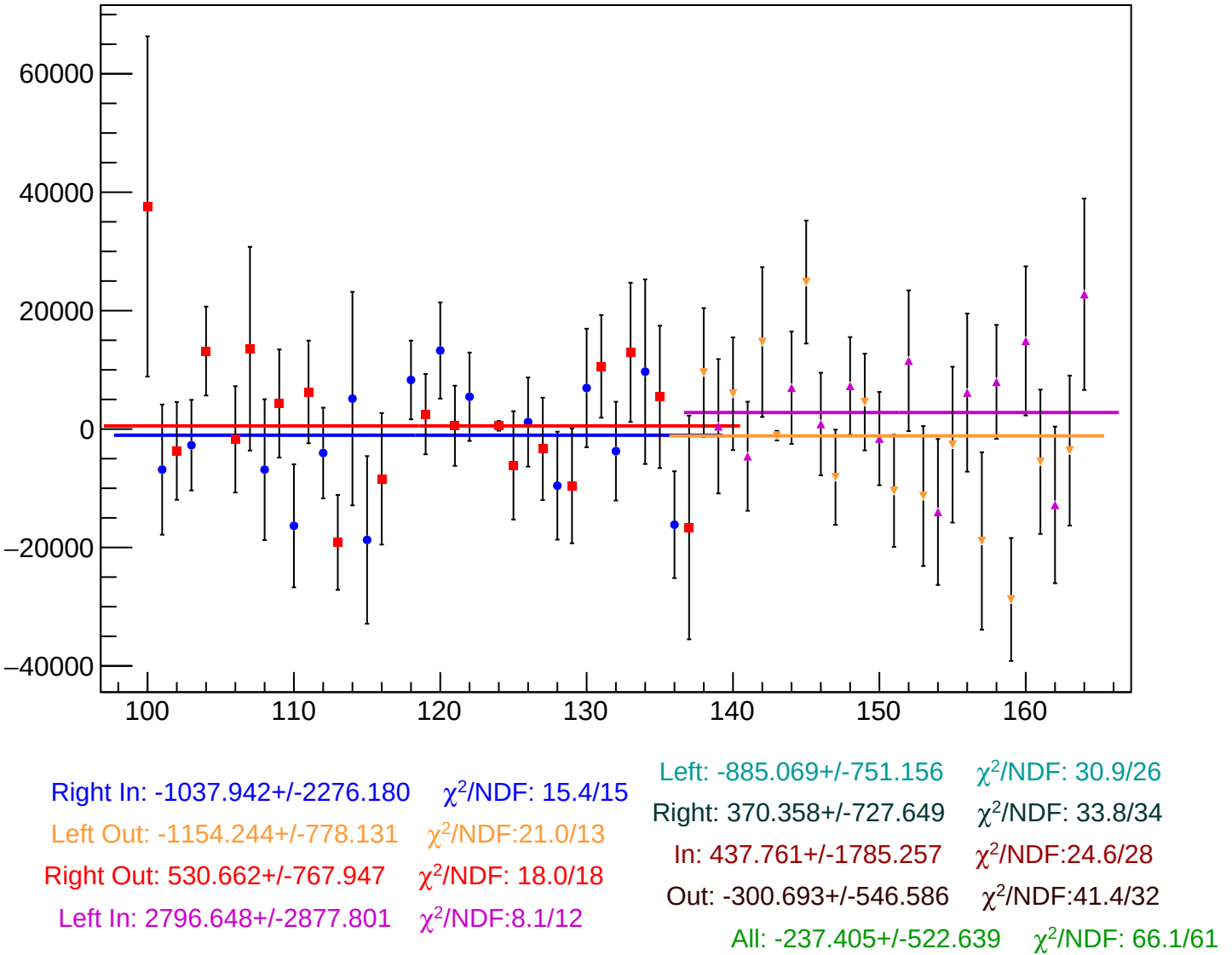
Left: 2638.134+/-0.399 χ^2/NDF: 541269.8/26

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2314.318+/-0.388 χ^2/NDF:870269.9/28

Out: 2322.781+/-0.390 χ^2/NDF:1552518.2/32

All: 2318.538+/-0.275 χ^2/NDF: 2423024.8/61


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
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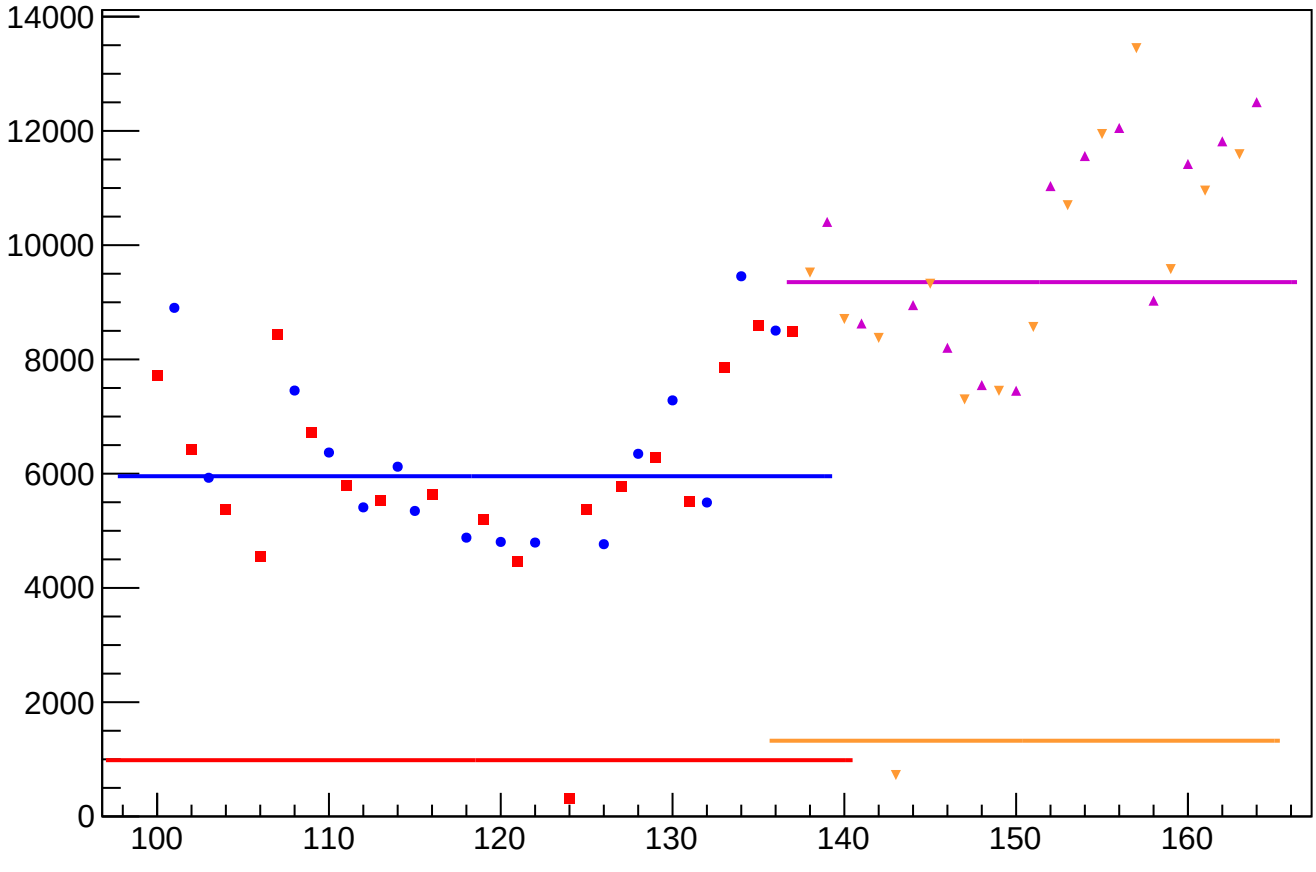
150
160
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1154.244+/-778.131 χ²/NDF:21.0/13
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 2796.648+/-2877.801 χ²/NDF:8.1/12
Left: -885.069+/-751.156 χ²/NDF: 30.9/26
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 437.761+/-1785.257 χ²/NDF:24.6/28
Out: -300.693+/-546.586 χ²/NDF:41.4/32
All: -237.405+/-522.639 χ²/NDF: 66.1/61



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1325.610+/-0.550 χ^2/NDF:16354284.8/13

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9353.006+/-2.035 χ^2/NDF:667883.3/12

Left: 1872.517+/-0.531 χ^2/NDF: 31523673.2/26

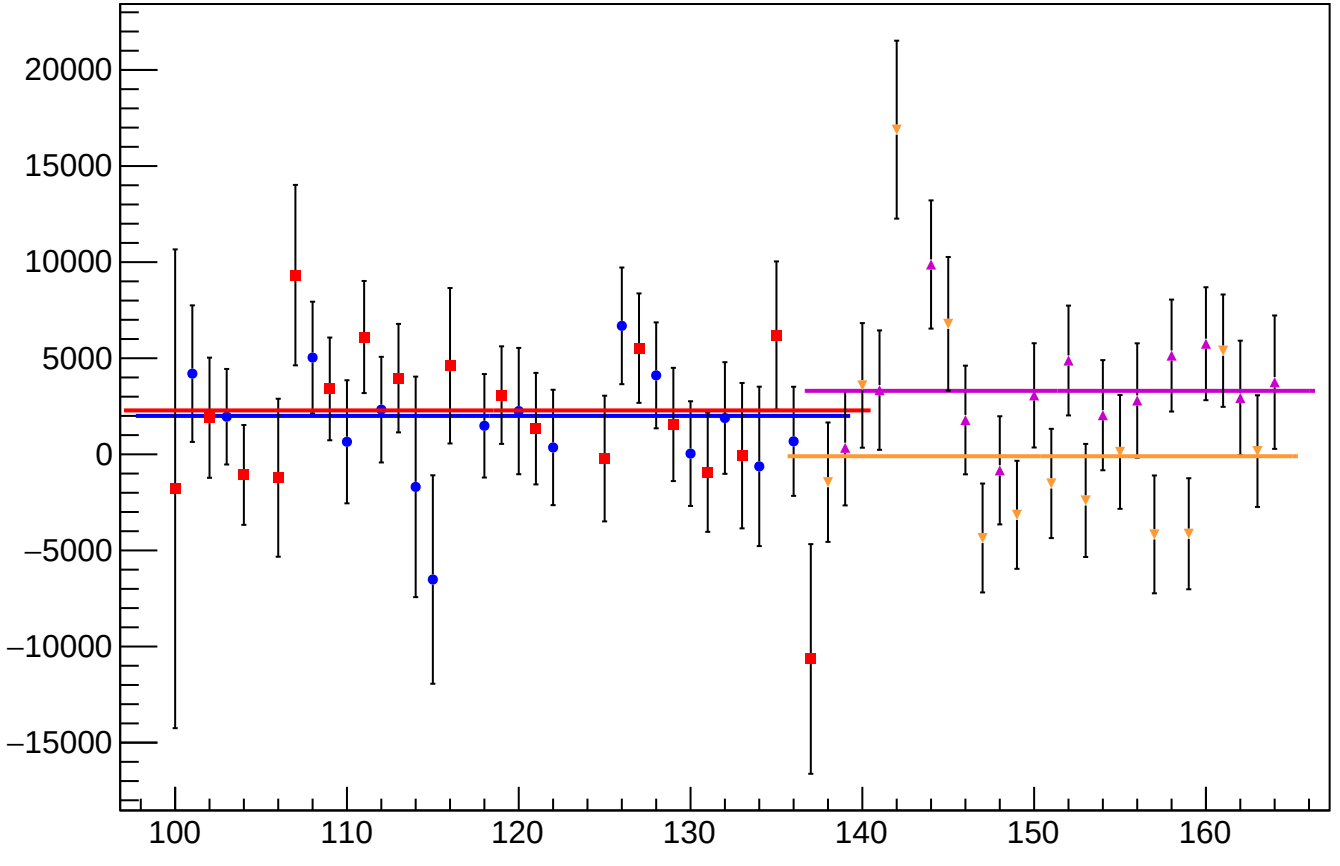
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7263.081+/-1.262 χ^2/NDF:3071699.2/28

Out: 1153.084+/-0.386 χ^2/NDF:27961207.2/32

All: 1676.736+/-0.370 χ^2/NDF: 52451805.4/6

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -98.188+/-846.854 χ^2/NDF:30.4/12

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 3303.988+/-822.323 χ^2/NDF:9.0/12

Left: 1652.889+/-589.952 χ^2/NDF: 47.7/25

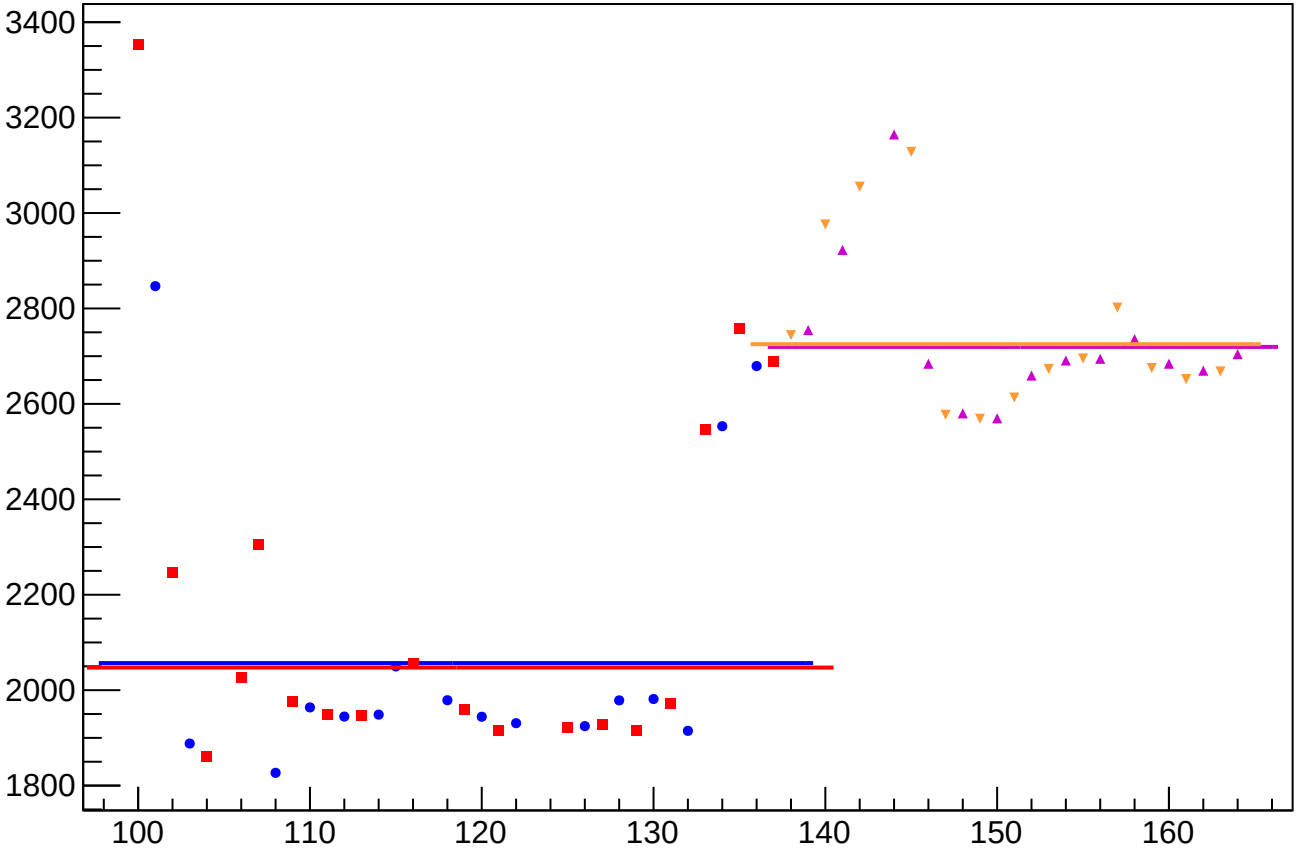
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2611.751+/-563.431 χ^2/NDF:19.3/28

Out: 1204.932+/-570.235 χ^2/NDF:51.4/30

All: 1916.784+/-400.790 χ^2/NDF: 73.8/59

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2725.096+/-0.599 χ^2/NDF:68540.1/12

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2719.441+/-0.581 χ^2/NDF:57940.2/12

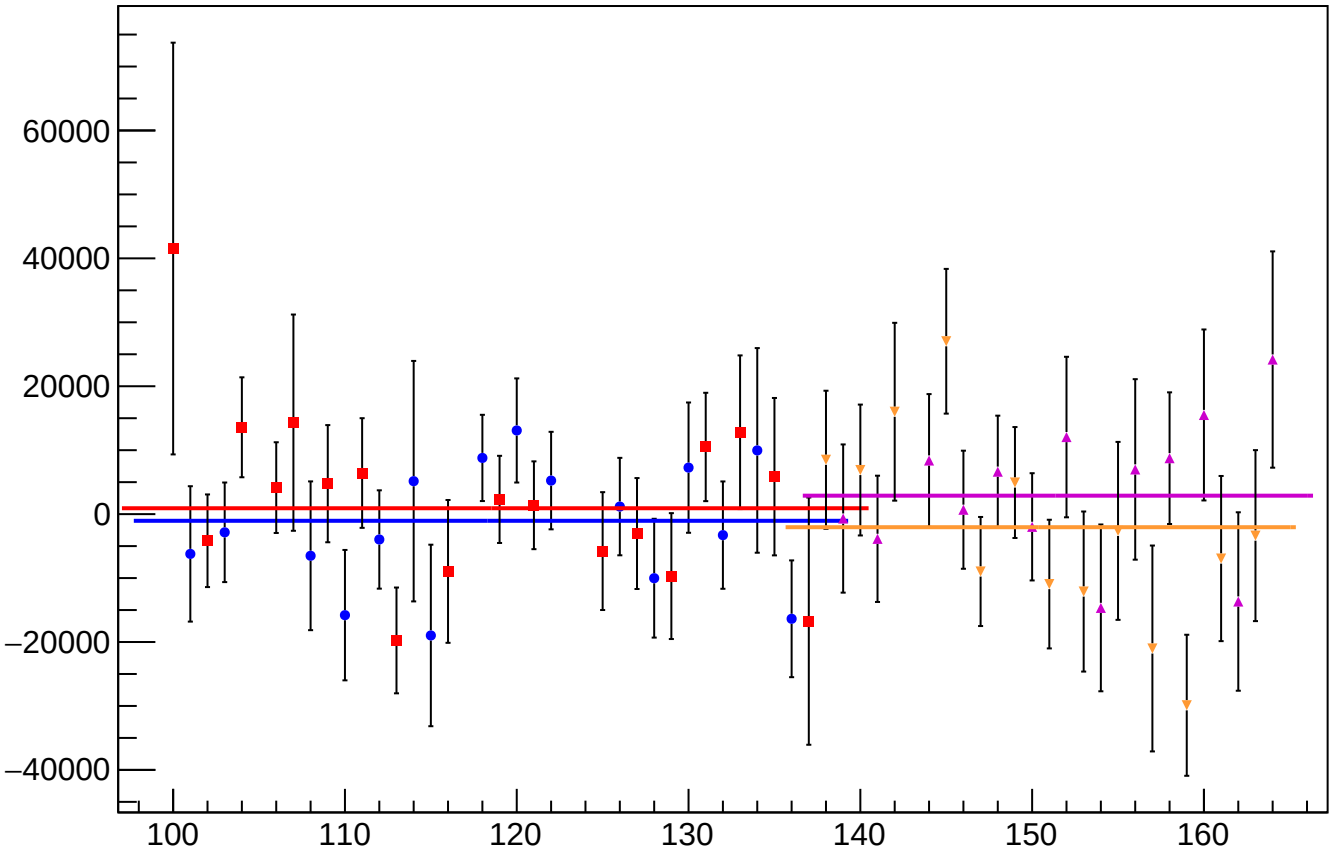
Left: 2722.185+/-0.417 χ^2/NDF: 126526.1/25

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2367.880+/-0.398 χ^2/NDF:1017406.3/28

Out: 2354.167+/-0.403 χ^2/NDF:966098.1/30

All: 2361.100+/-0.283 χ^2/NDF: 1984090.2/59



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -2045.264+/-3112.381 χ^2/NDF:20.7/12

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 2886.485+/-3059.022 χ^2/NDF:8.1/12

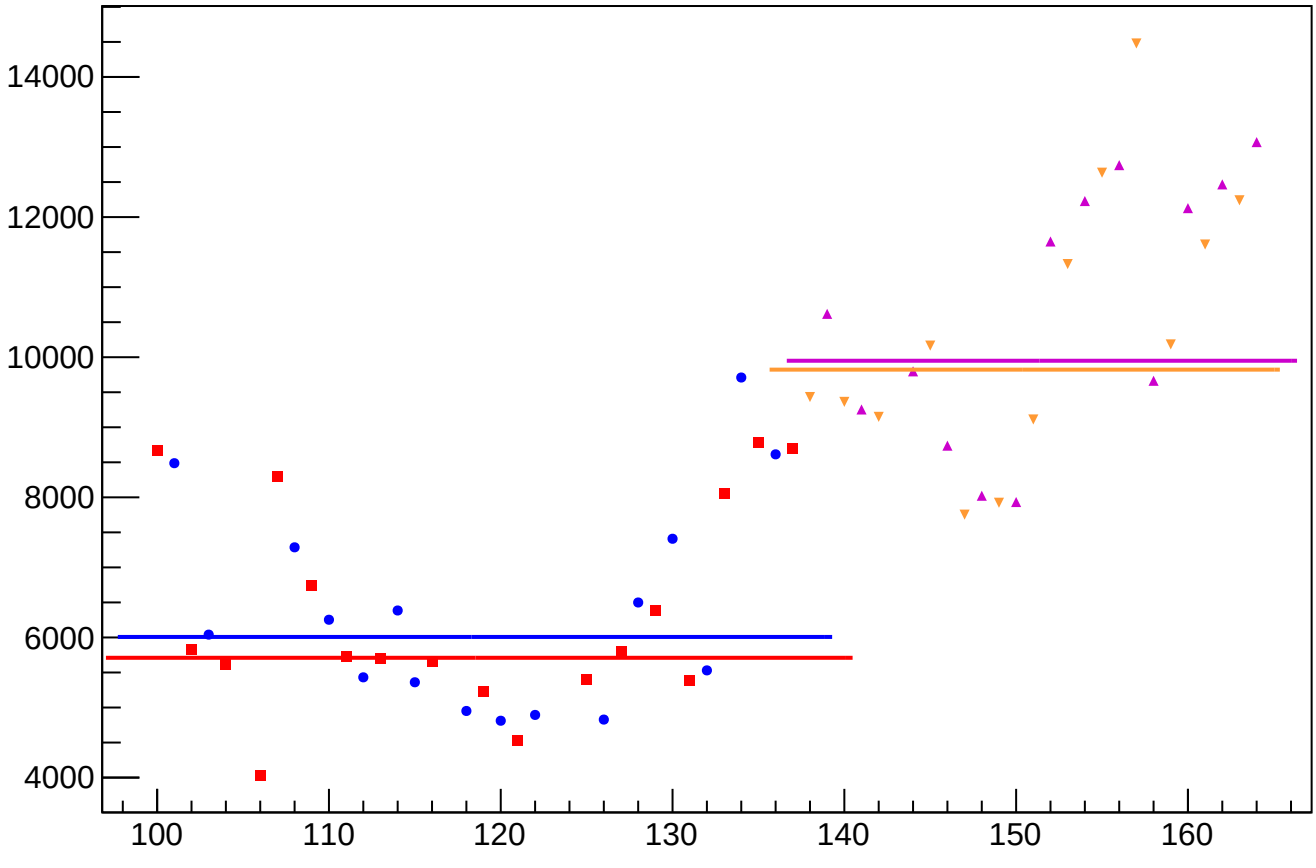
Left: 463.248+/-2181.676 χ^2/NDF: 30.0/25

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: 372.193+/-1835.587 χ^2/NDF:24.4/28

Out: -38.664+/-1769.468 χ^2/NDF:39.6/30

All: 159.232+/-1273.936 χ^2/NDF: 64.1/59



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9822.724+/-2.201 χ^2/NDF:620467.5/12

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9949.631+/-2.163 χ^2/NDF:627819.3/12

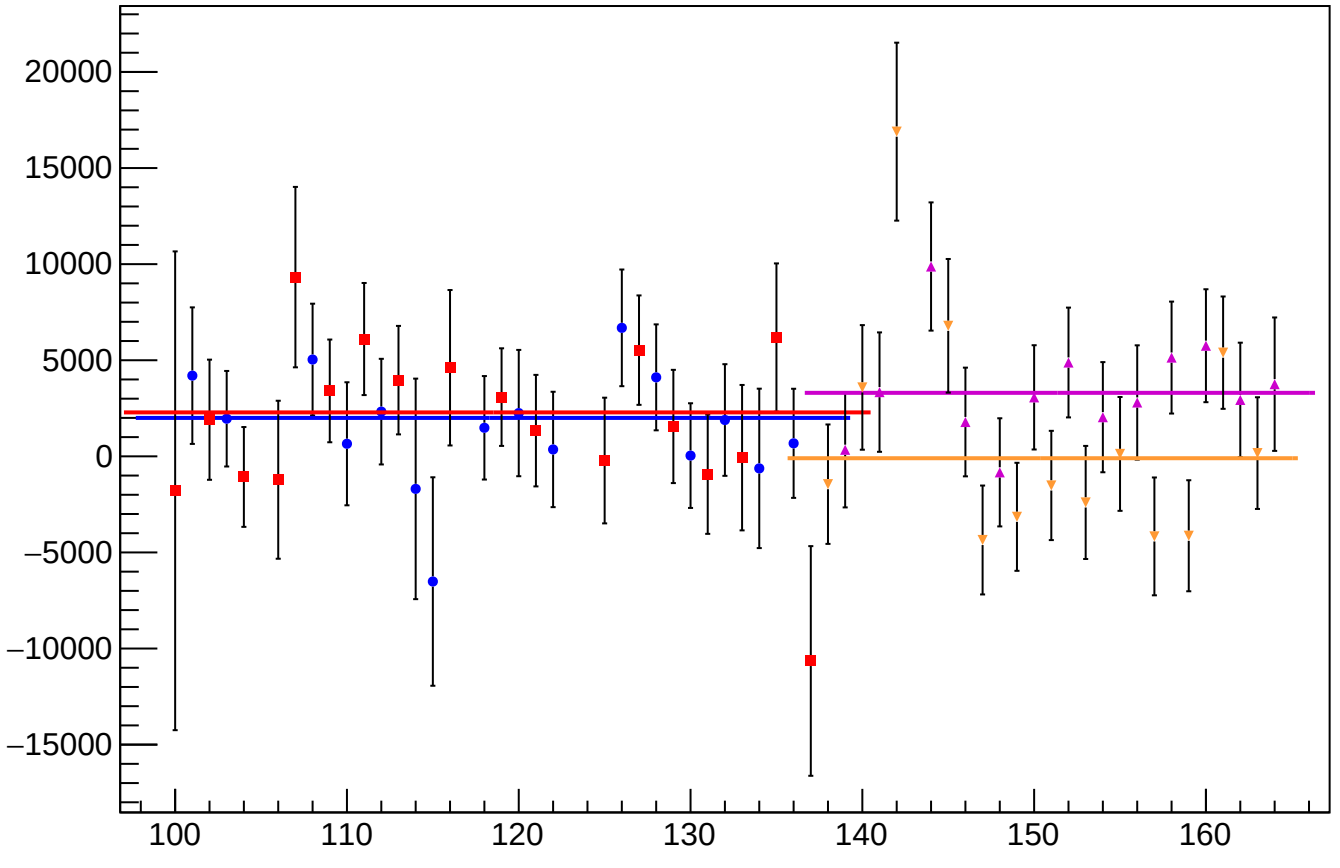
Left: 9887.275+/-1.543 χ^2/NDF: 1249978.2/25

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 7426.888+/-1.298 χ^2/NDF:3407394.1/28

Out: 7039.253+/-1.251 χ^2/NDF:3519977.6/30

All: 7225.963+/-0.901 χ^2/NDF: 6973603.1/59



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -98.196+/-846.855 χ^2/NDF:30.4/12

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 3303.990+/-822.324 χ^2/NDF:9.0/12

Left: 1652.886+/-589.953 χ^2/NDF: 47.7/25

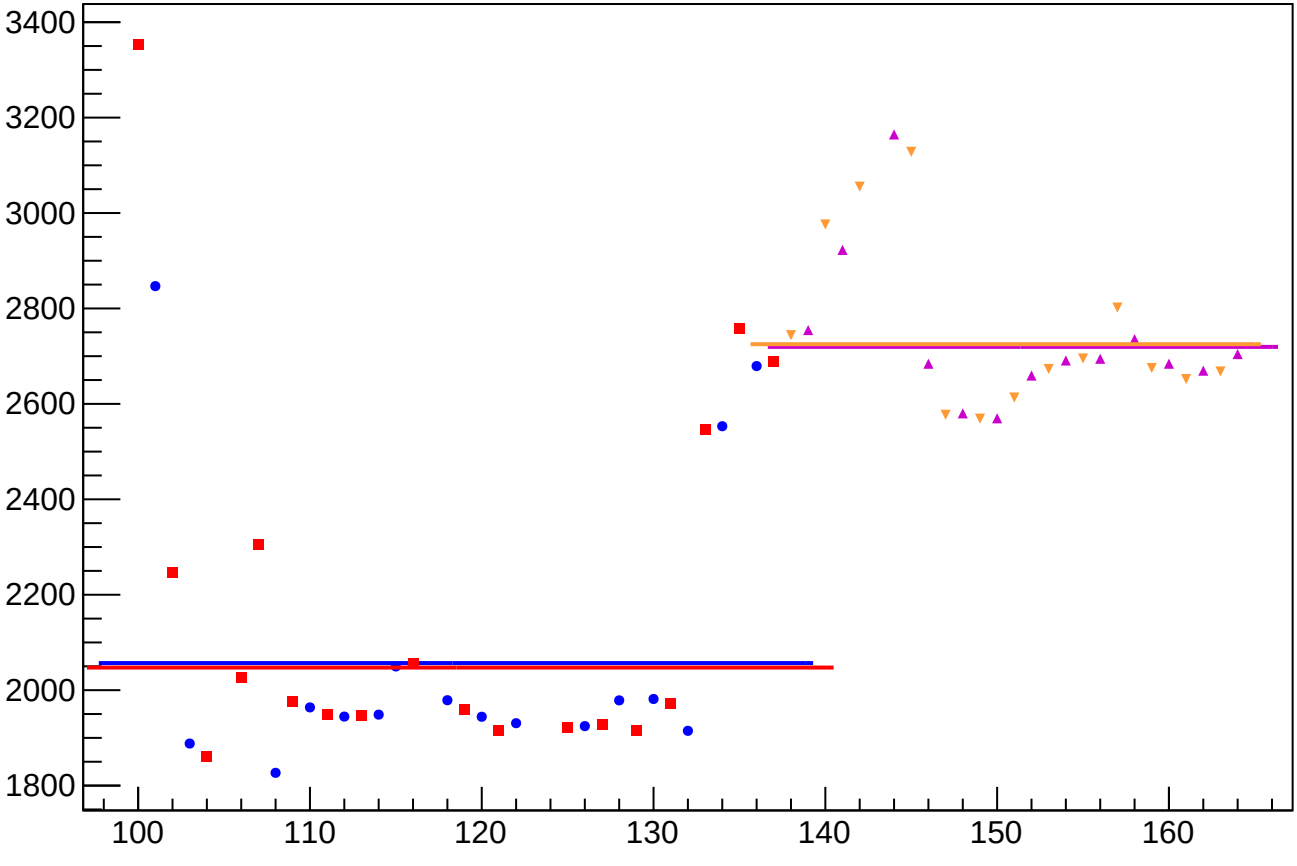
Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2611.754+/-563.432 χ^2/NDF:19.3/28

Out: 1204.931+/-570.235 χ^2/NDF:51.4/30

All: 1916.785+/-400.790 χ^2/NDF: 73.8/59

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2725.099+/-0.599 χ^2/NDF:68541.3/12

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2719.444+/-0.581 χ^2/NDF:57940.7/12

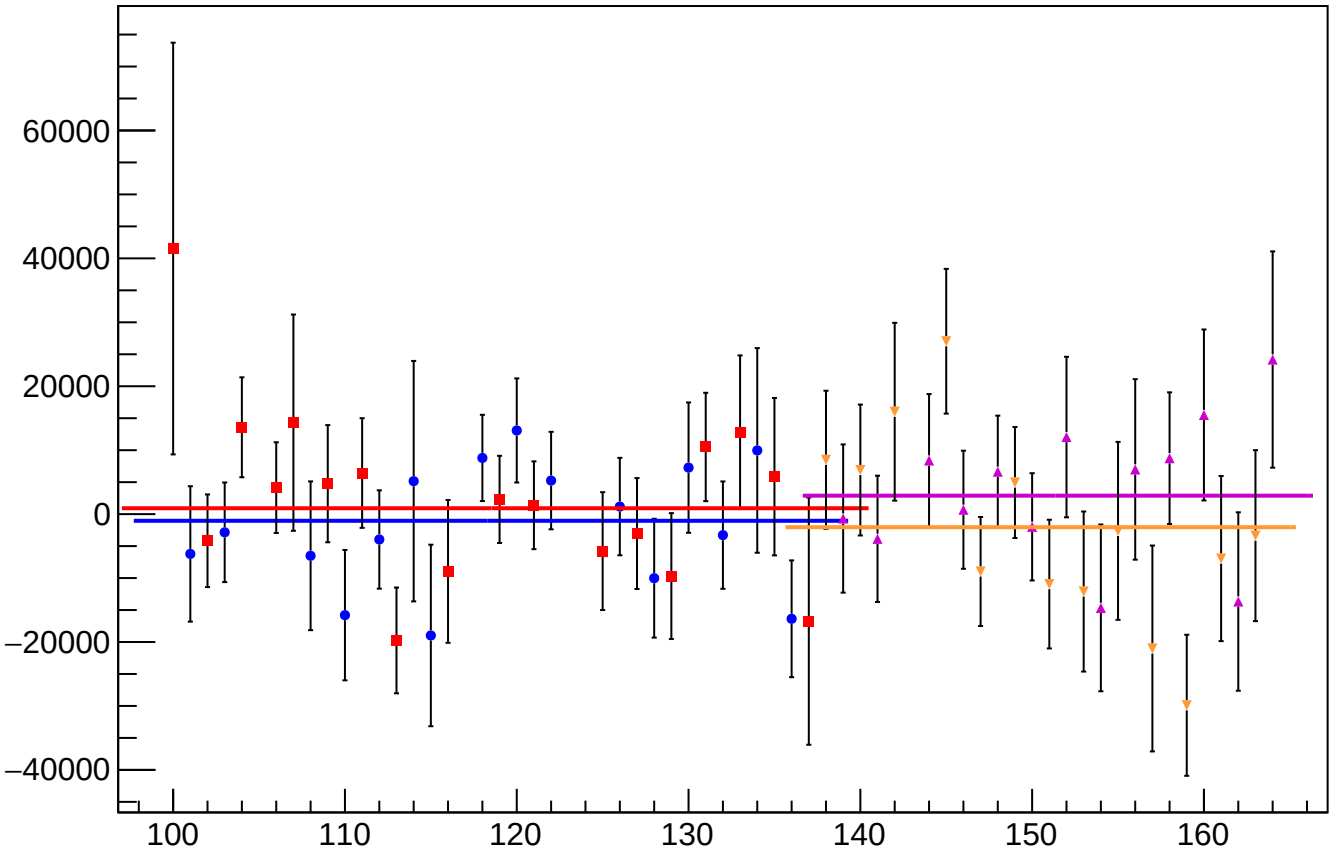
Left: 2722.188+/-0.417 χ^2/NDF: 126527.9/25

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2367.881+/-0.398 χ^2/NDF:1017412.1/28

Out: 2354.168+/-0.403 χ^2/NDF:966105.3/30

All: 2361.101+/-0.283 χ^2/NDF: 1984103.2/59



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -2045.276+/-3112.386 χ^2/NDF:20.7/12

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 2886.485+/-3059.026 χ^2/NDF:8.1/12

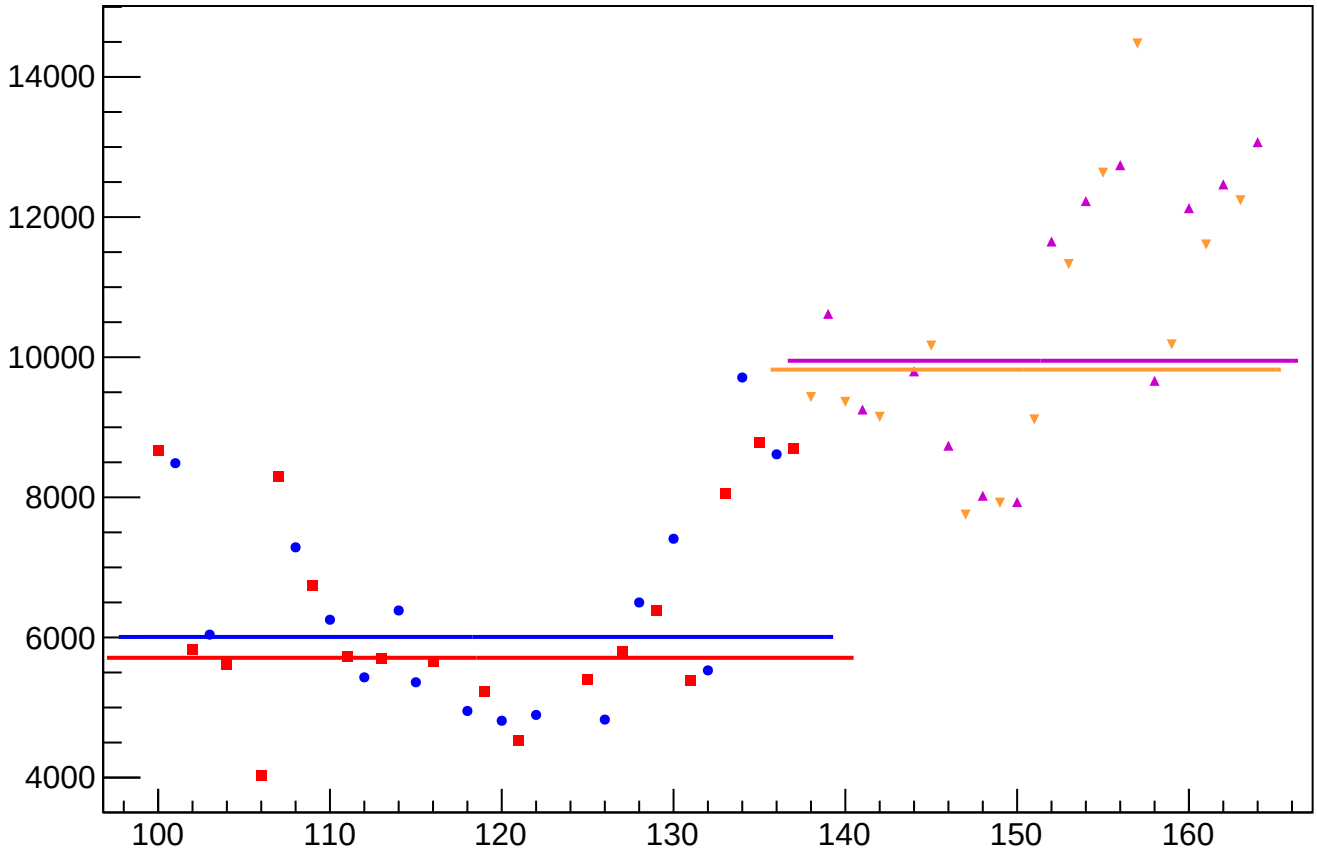
Left: 463.243+/-2181.679 χ^2/NDF: 30.0/25

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: 372.193+/-1835.585 χ^2/NDF:24.4/28

Out: -38.659+/-1769.465 χ^2/NDF:39.6/30

All: 159.234+/-1273.935 χ^2/NDF: 64.1/59



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9822.737+/-2.201 χ^2/NDF:620470.3/12

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9949.643+/-2.163 χ^2/NDF:627822.7/12

Left: 9887.287+/-1.543 χ^2/NDF: 1249984.3/25

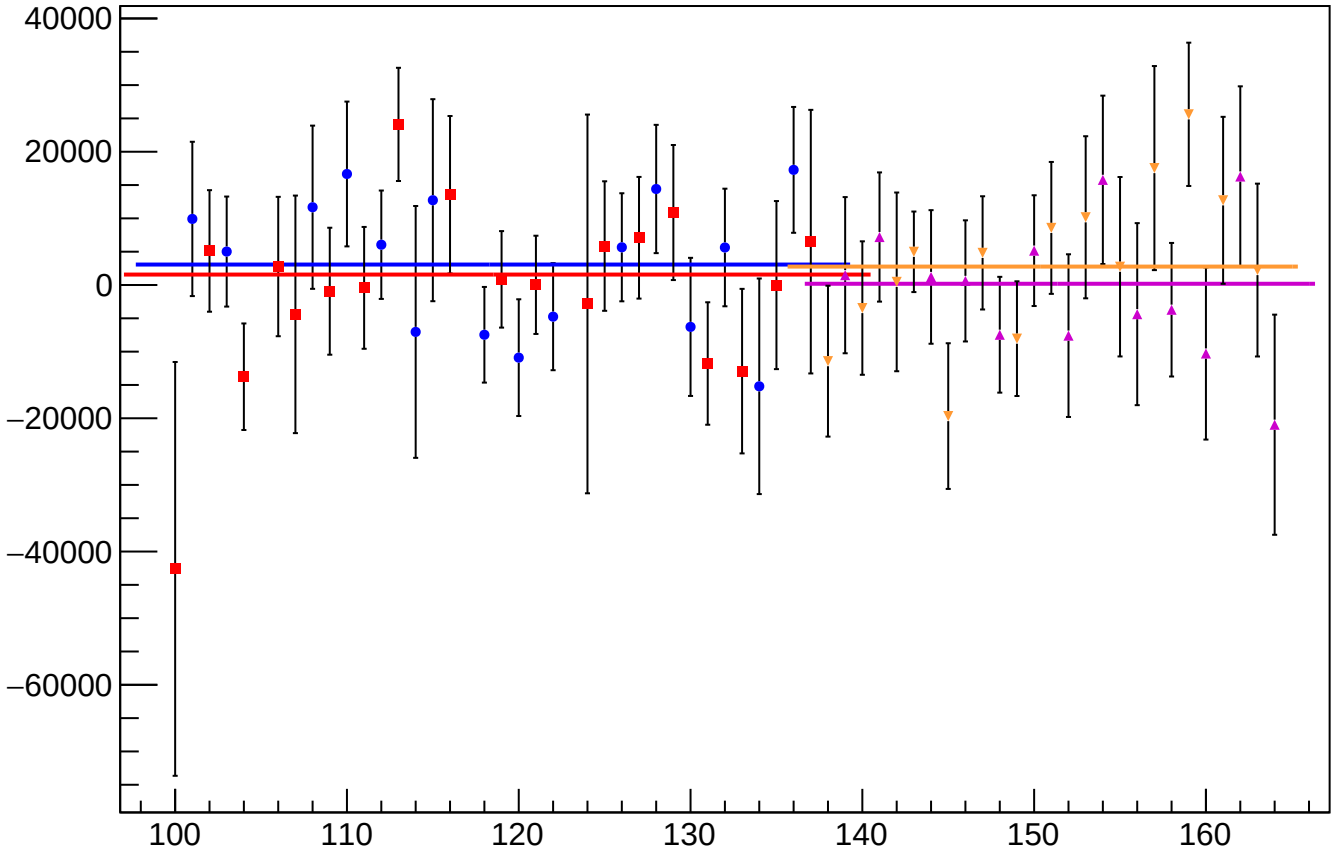
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7426.872+/-1.298 χ^2/NDF:3407441.1/28

Out: 7039.238+/-1.251 χ^2/NDF:3520018.2/30

All: 7225.948+/-0.901 χ^2/NDF: 6973690.6/59

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2764.114+/-2730.394 χ^2/NDF:14.8/13

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 185.816+/-3000.099 χ^2/NDF:7.6/12

Left: 1596.044+/-2019.312 χ^2/NDF: 22.8/26

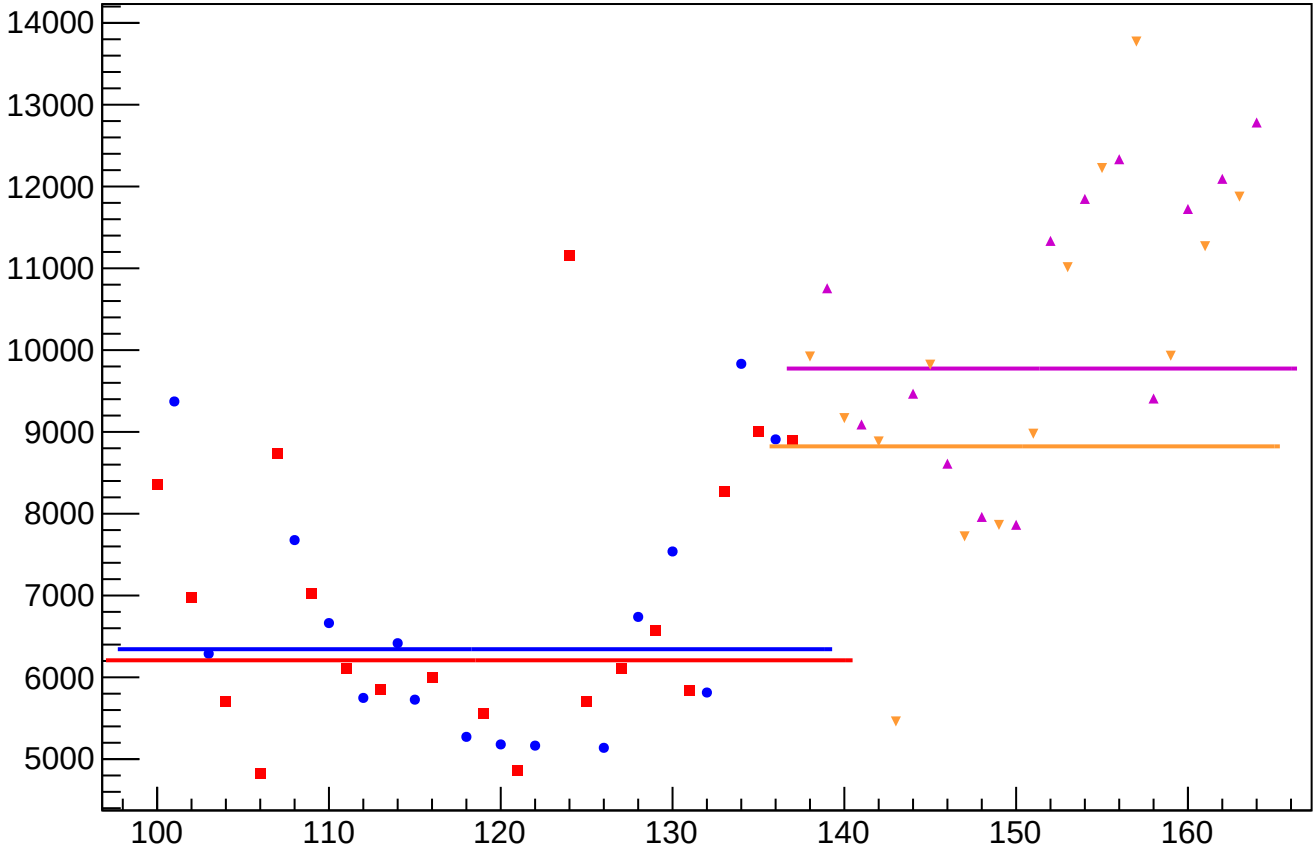
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 1932.866+/-1883.926 χ^2/NDF:23.0/28

Out: 2072.950+/-1774.965 χ^2/NDF:34.1/32

All: 2007.076+/-1291.893 χ^2/NDF: 57.1/61

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8823.358+/-1.931 χ^2/NDF:1325846.1/13

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9774.636+/-2.121 χ^2/NDF:581489.3/12

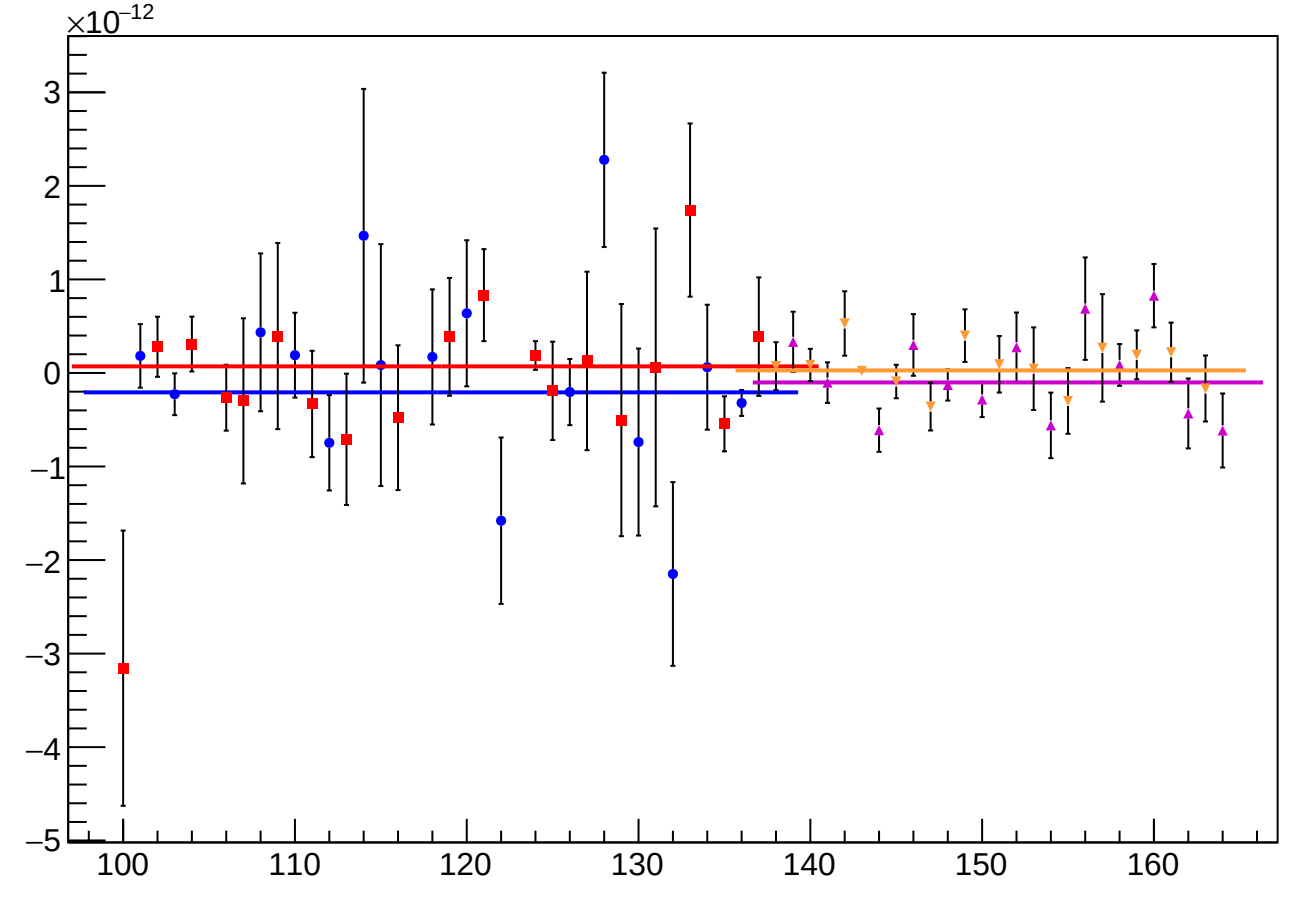
Left: 9254.324+/-1.428 χ^2/NDF: 2017319.5/26

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7696.666+/-1.332 χ^2/NDF:2786887.4/28

Out: 7313.303+/-1.255 χ^2/NDF:2857152.3/32

All: 7493.578+/-0.914 χ^2/NDF: 5687913.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:24.6/12

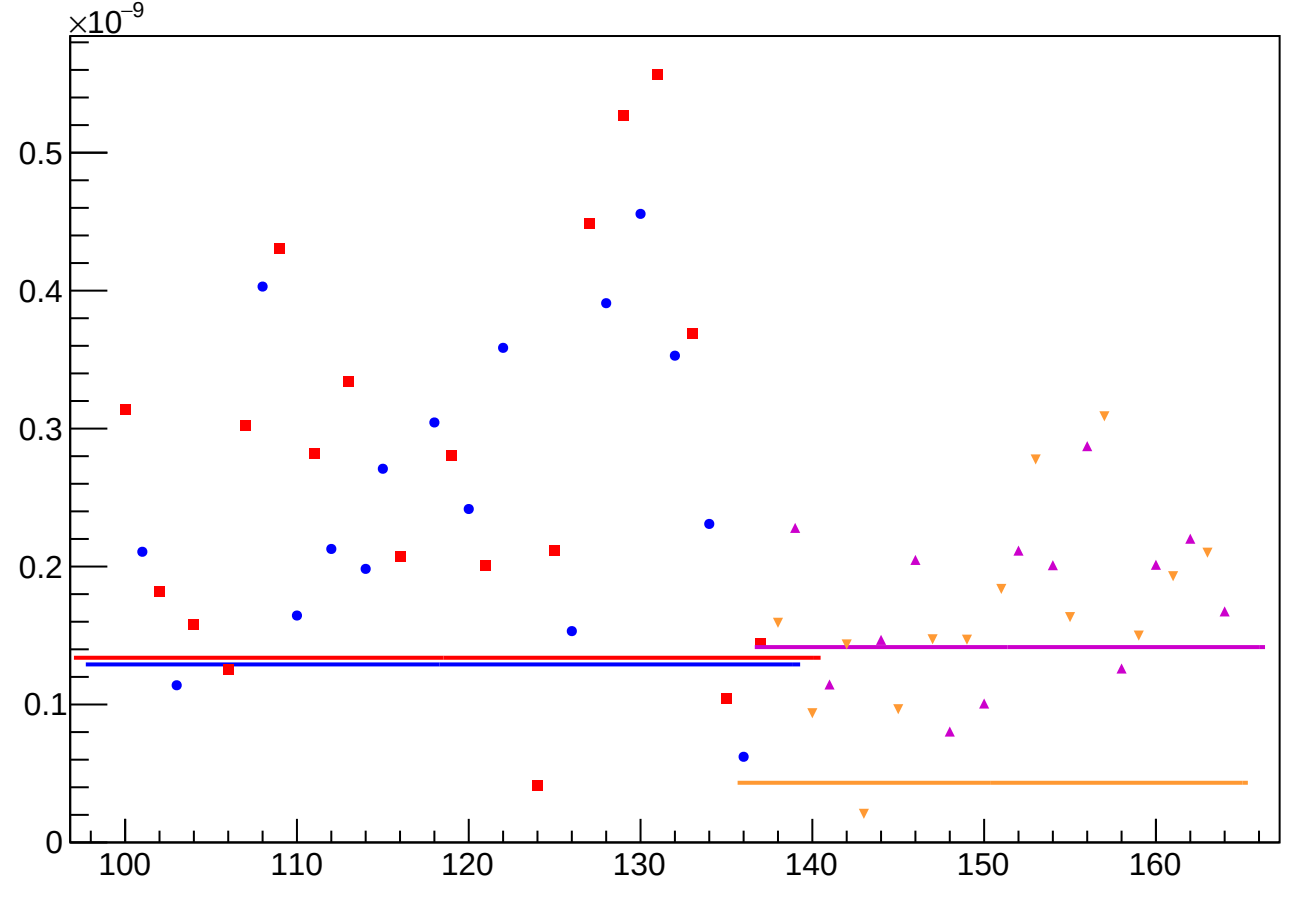
Left: 0.000+/-0.000 χ^2/NDF: 36.1/26

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:46.3/28

Out: 0.000+/-0.000 χ^2/NDF:30.0/32

All: -0.000+/-0.000 χ^2/NDF: 83.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5216071.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1051411.5/12

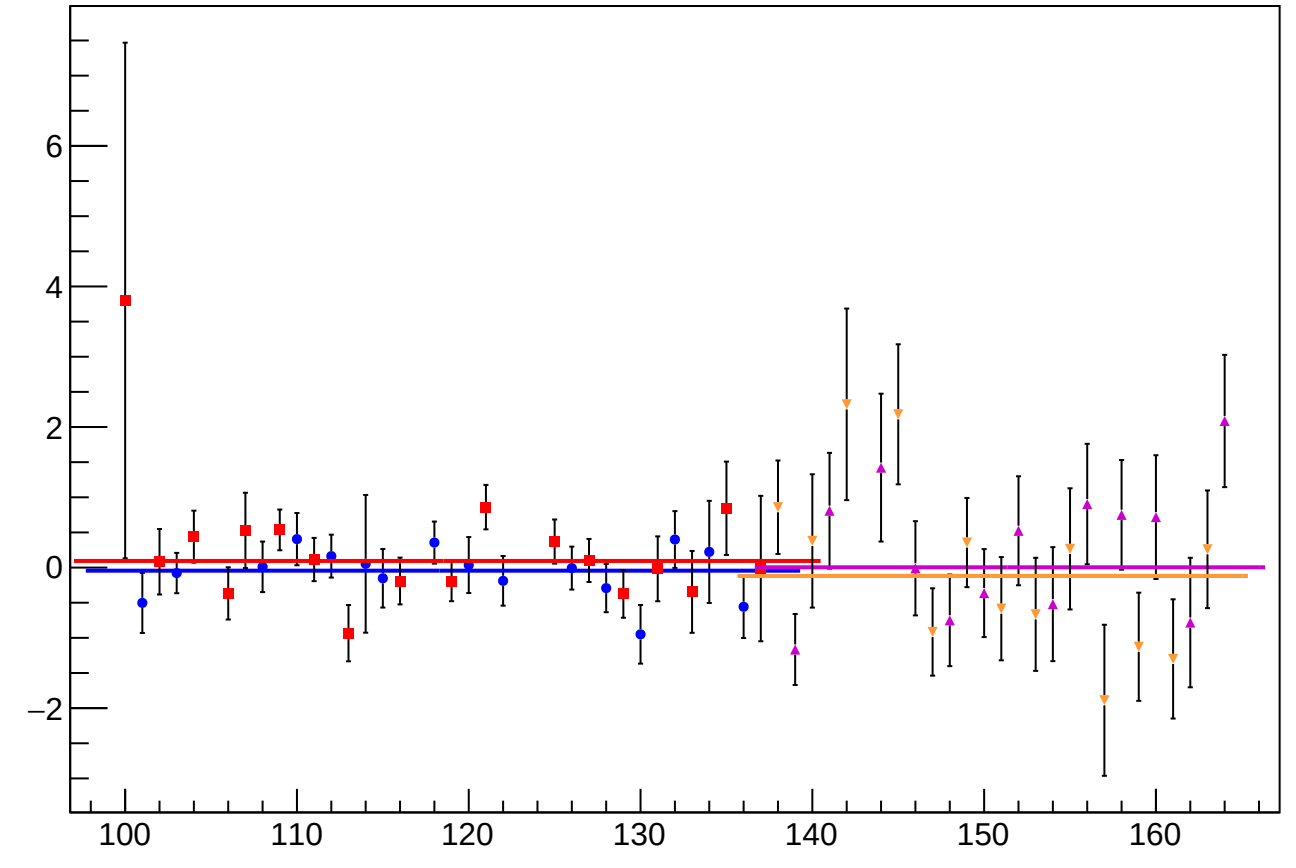
Left: 0.000+/-0.000 χ^2/NDF: 9257096.5/26

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:2793509.3/28

Out: 0.000+/-0.000 χ^2/NDF:9130987.0/32

All: 0.000+/-0.000 χ^2/NDF: 15219103.1/61



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.119+/-0.223 χ^2/NDF:20.8/12

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.004+/-0.208 χ^2/NDF:19.0/12

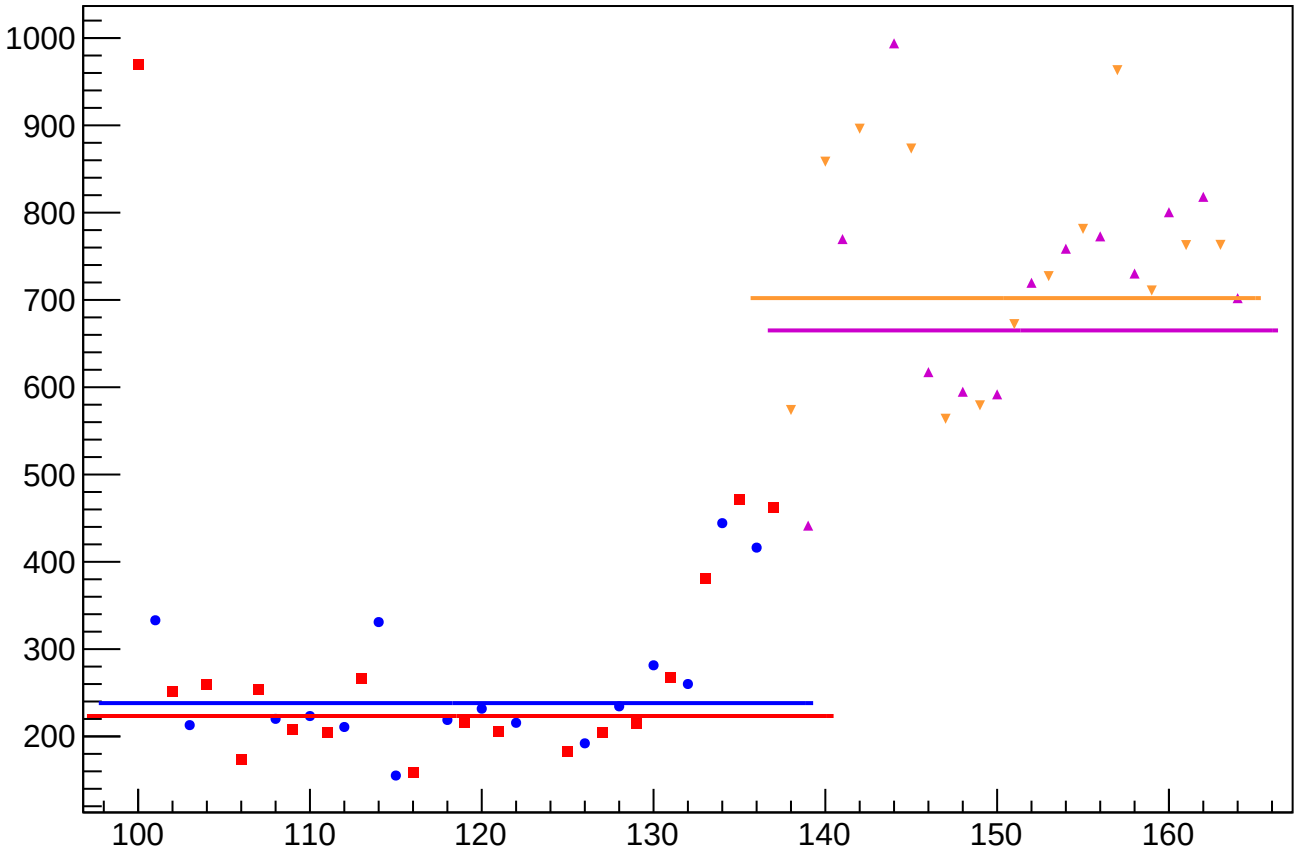
Left: -0.053+/-0.152 χ^2/NDF: 40.0/25

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.036+/-0.085 χ^2/NDF:32.1/28

Out: 0.064+/-0.083 χ^2/NDF:46.9/30

All: 0.015+/-0.060 χ^2/NDF: 79.7/59



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 702.108+/-0.158 χ^2/NDF:563515.0/12

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 665.080+/-0.147 χ^2/NDF:868335.8/12

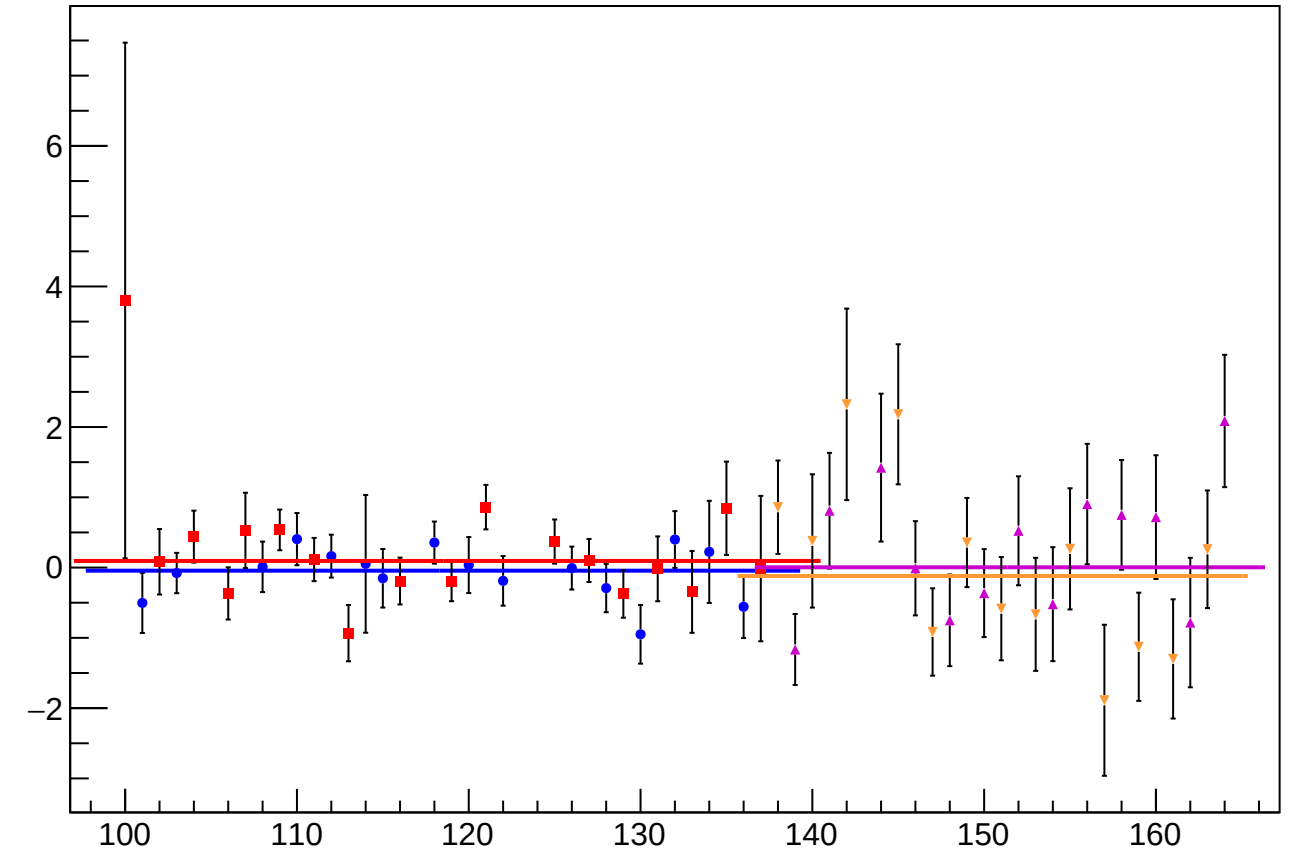
Left: 682.266+/-0.107 χ^2/NDF: 1461394.0/25

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 310.570+/-0.060 χ^2/NDF:8702106.1/28

Out: 290.476+/-0.059 χ^2/NDF:9349815.5/30

All: 300.286+/-0.042 χ^2/NDF: 18108486.6/59



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.119+/-0.223 χ^2/NDF:20.8/12

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.004+/-0.208 χ^2/NDF:19.0/12

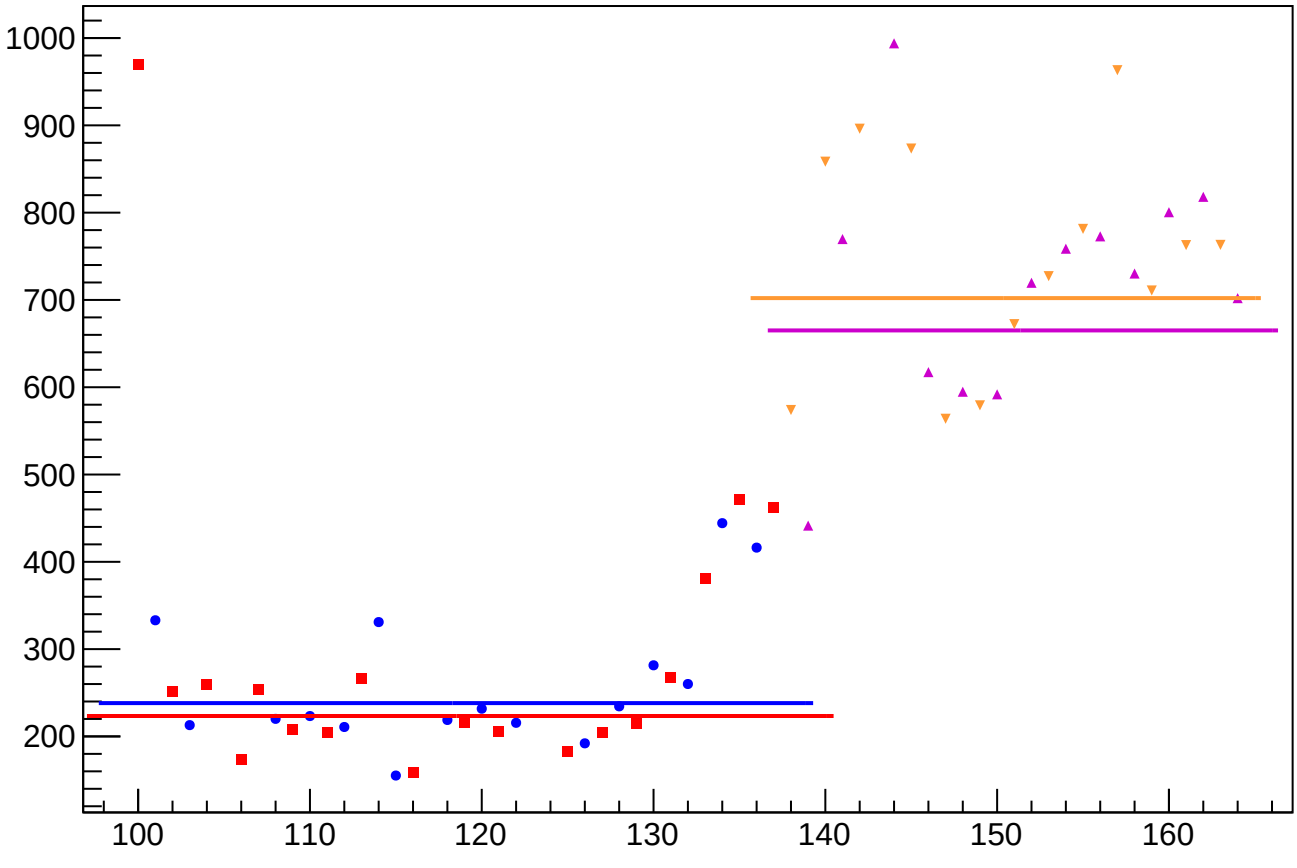
Left: -0.053+/-0.152 χ^2/NDF: 40.0/25

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.036+/-0.085 χ^2/NDF:32.1/28

Out: 0.064+/-0.083 χ^2/NDF:46.9/30

All: 0.015+/-0.060 χ^2/NDF: 79.7/59



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 702.108+/-0.158 χ^2/NDF:563515.0/12

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 665.080+/-0.147 χ^2/NDF:868335.8/12

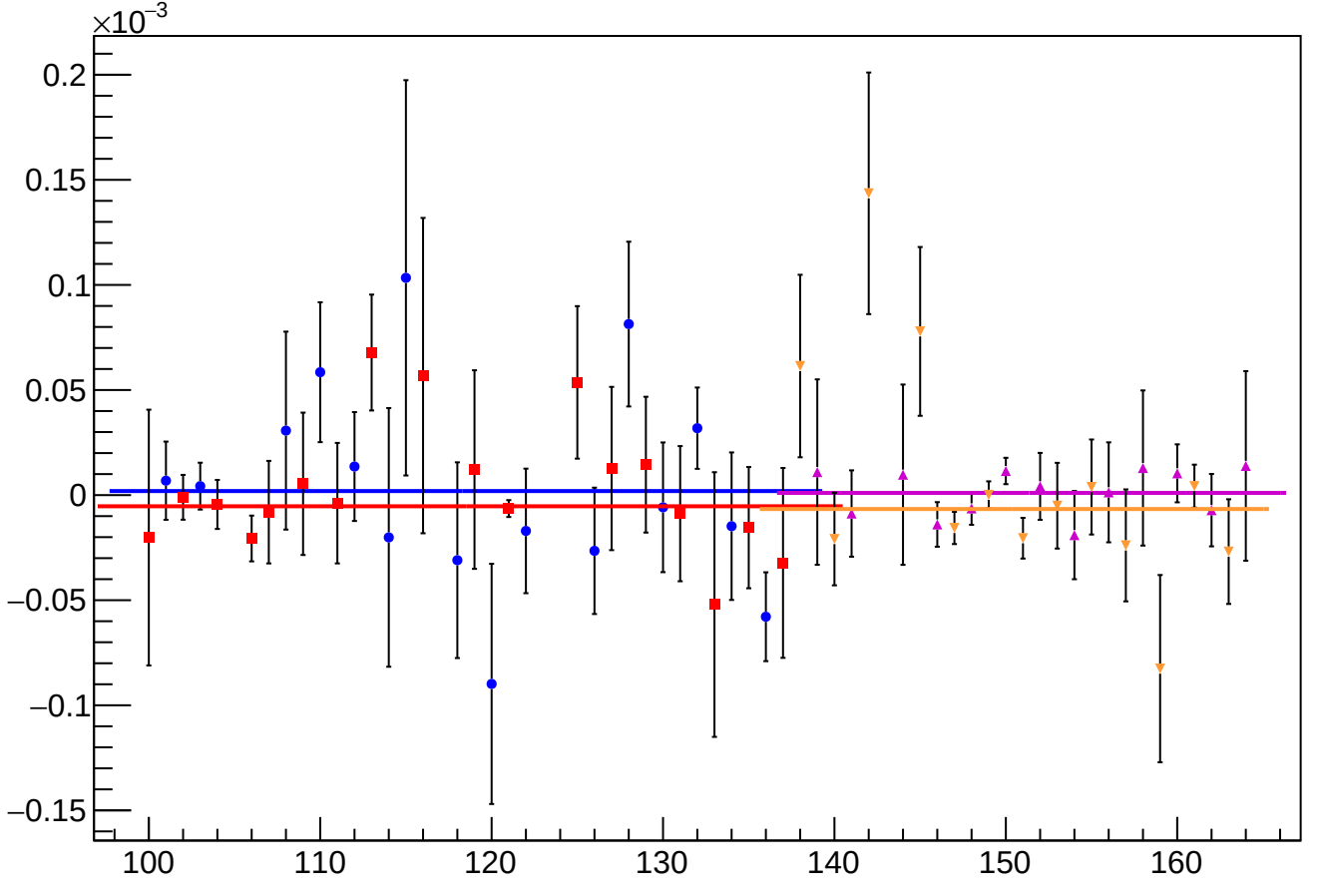
Left: 682.266+/-0.107 χ^2/NDF: 1461394.0/25

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 310.570+/-0.060 χ^2/NDF:8702106.1/28

Out: 290.476+/-0.059 χ^2/NDF:9349815.5/30

All: 300.286+/-0.042 χ^2/NDF: 18108486.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/12

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

Left In: 0.000+/-0.000 χ^2/NDF:7.8/12

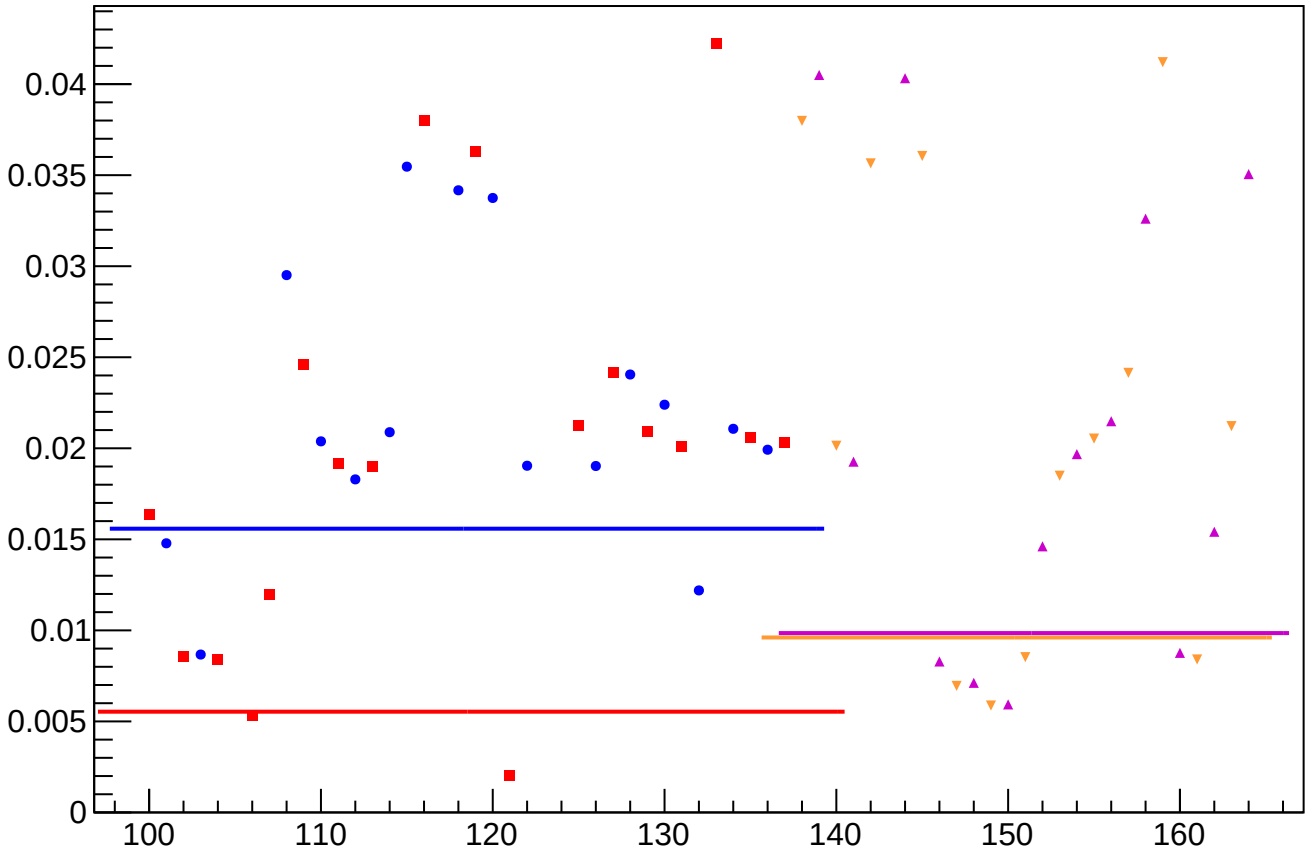
Left: -0.000+/-0.000 χ^2/NDF: 34.0/25

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:31.9/28

Out: -0.000+/-0.000 χ^2/NDF:38.6/30

All: -0.000+/-0.000 χ^2/NDF: 73.7/59



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:6442240.3/12

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.010+/-0.000 χ^2/NDF:6168358.5/12

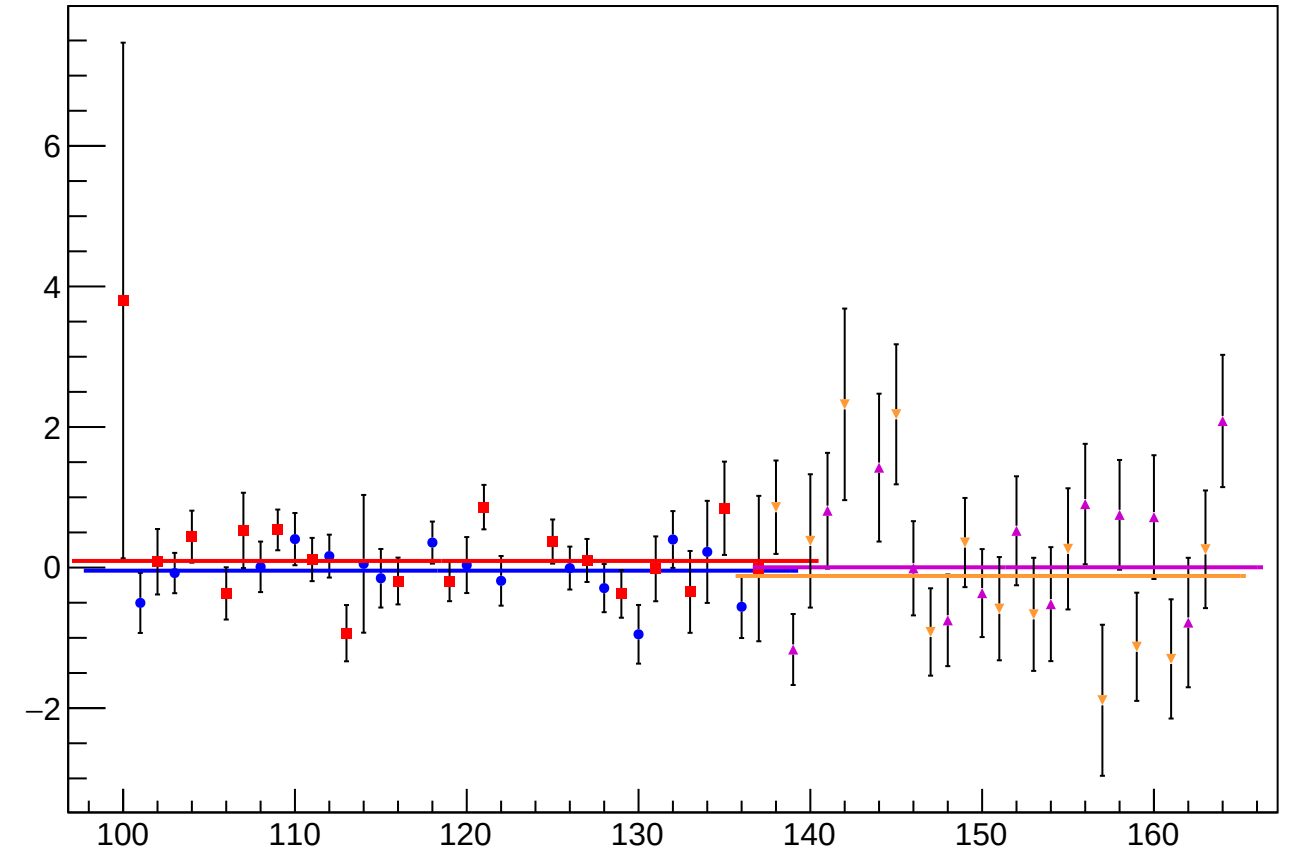
Left: 0.010+/-0.000 χ^2/NDF: 12614836.4/25

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:9448461.2/28

Out: 0.007+/-0.000 χ^2/NDF:15784456.8/30

All: 0.009+/-0.000 χ^2/NDF: 27242107.2/59



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.119+/-0.223 χ^2/NDF:20.8/12

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.004+/-0.208 χ^2/NDF:19.0/12

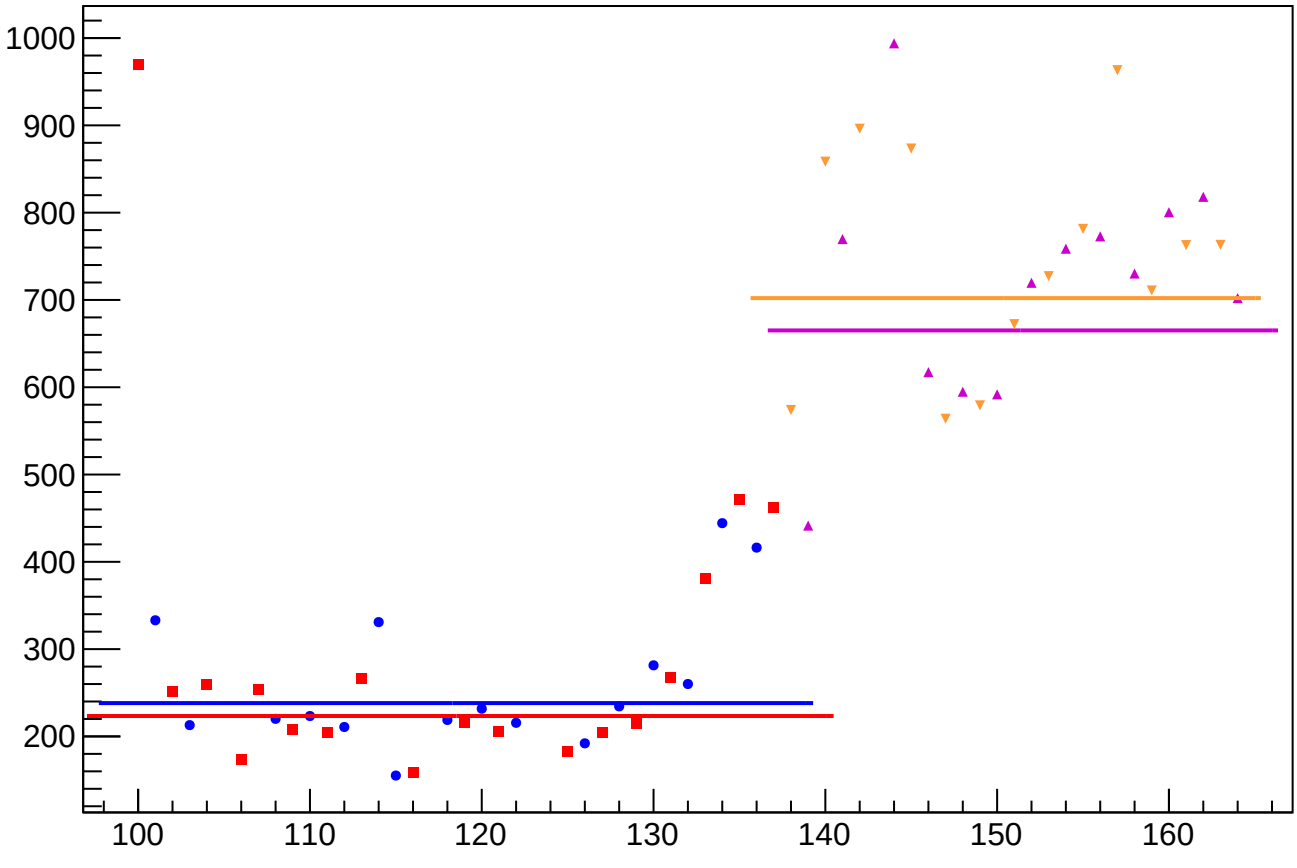
Left: -0.053+/-0.152 χ^2/NDF: 40.0/25

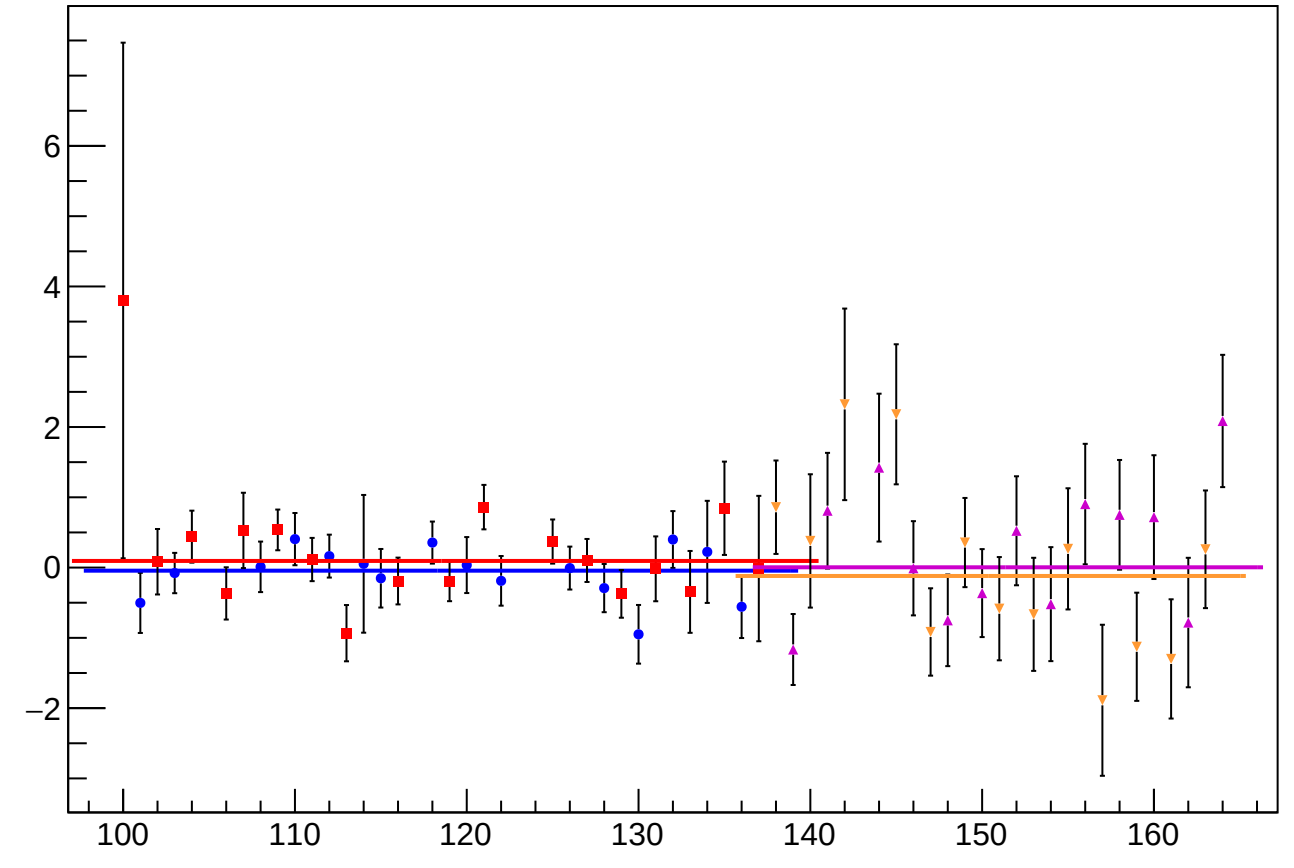
Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.036+/-0.085 χ^2/NDF:32.1/28

Out: 0.064+/-0.083 χ^2/NDF:46.9/30

All: 0.015+/-0.060 χ^2/NDF: 79.7/59


asym_atl2_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
160
Right In: 238.165+/-0.066 χ²/NDF: 807170.1/15
Left Out: 702.115+/-0.158 χ²/NDF:563565.6/12
Right Out: 223.390+/-0.064 χ²/NDF: 862366.3/17
Left In: 665.090+/-0.147 χ²/NDF:868325.5/12
Left: 682.275+/-0.107 χ²/NDF: 1461428.7/25
Right: 230.475+/-0.046 χ²/NDF: 1695367.2/33
In: 310.570+/-0.060 χ²/NDF:8702195.8/28
Out: 290.477+/-0.059 χ²/NDF:9349834.8/30
All: 300.287+/-0.042 χ²/NDF: 18108591.0/59



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.119+/-0.223 χ^2/NDF:20.8/12

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: 0.004+/-0.208 χ^2/NDF:19.0/12

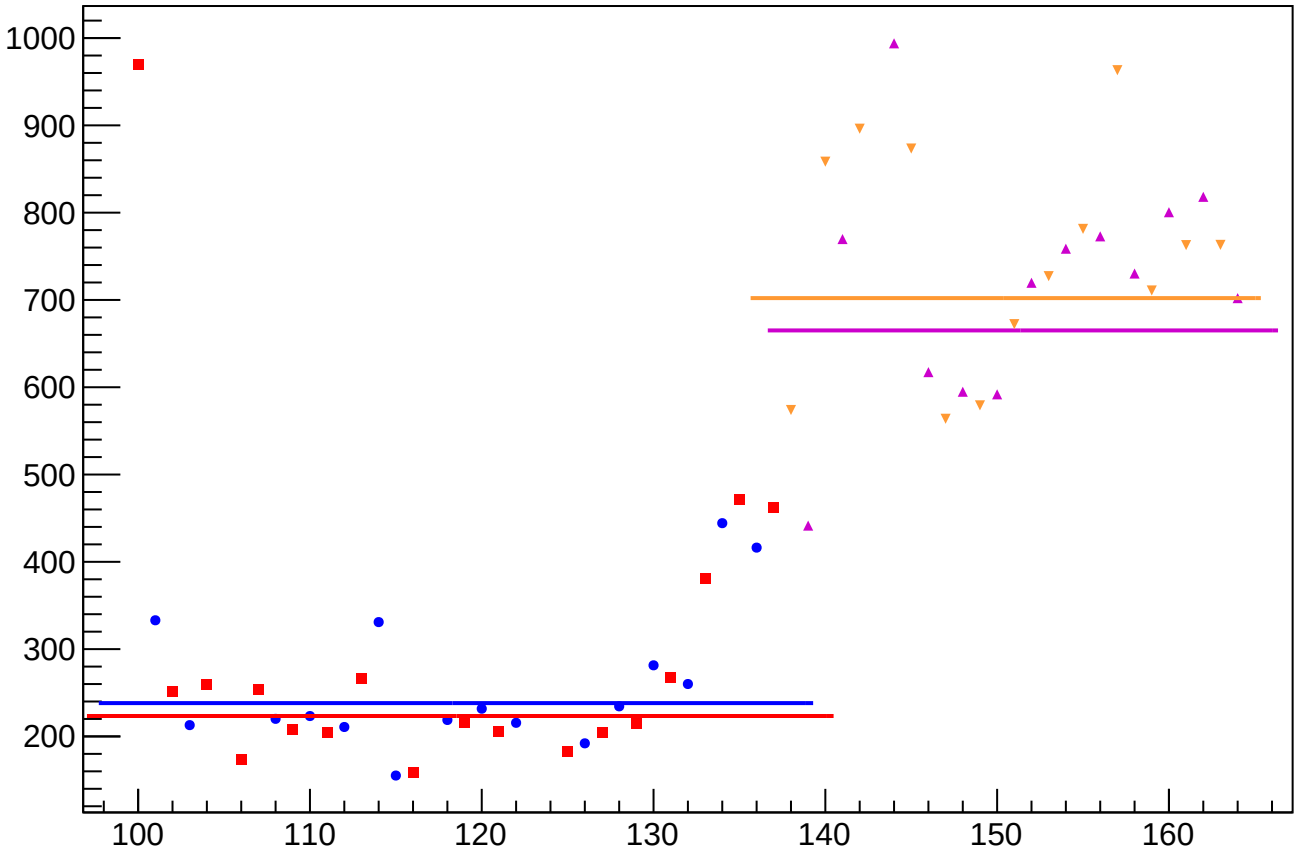
Left: -0.053+/-0.152 χ^2/NDF: 40.0/25

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.036+/-0.085 χ^2/NDF:32.1/28

Out: 0.064+/-0.083 χ^2/NDF:46.9/30

All: 0.015+/-0.060 χ^2/NDF: 79.7/59



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 702.115+/-0.158 χ^2/NDF:563565.6/12

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 665.090+/-0.147 χ^2/NDF:868325.5/12

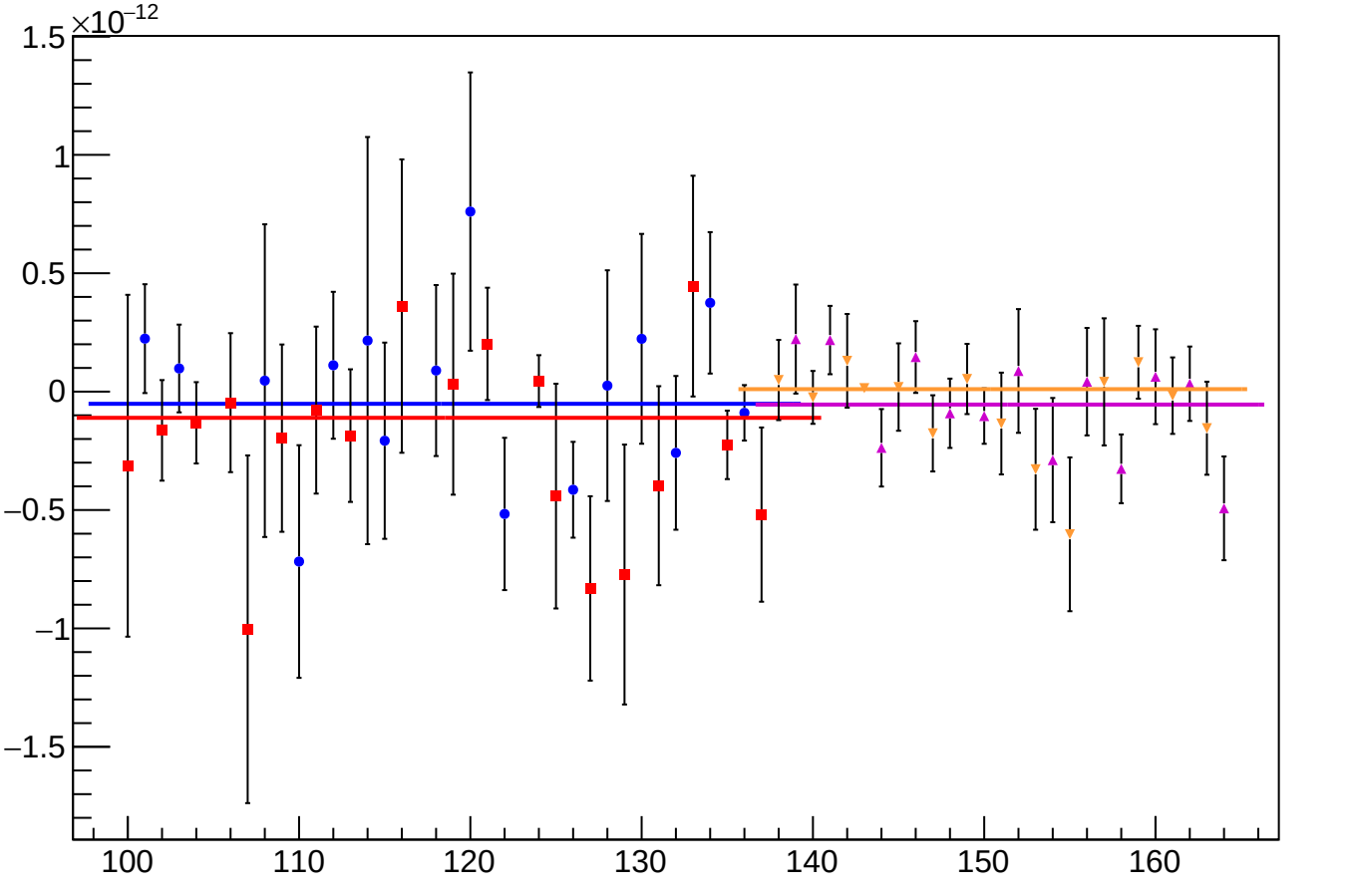
Left: 682.275+/-0.107 χ^2/NDF: 1461428.7/25

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 310.570+/-0.060 χ^2/NDF:8702195.8/28

Out: 290.477+/-0.059 χ^2/NDF:9349834.8/30

All: 300.287+/-0.042 χ^2/NDF: 18108591.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:17.7/12

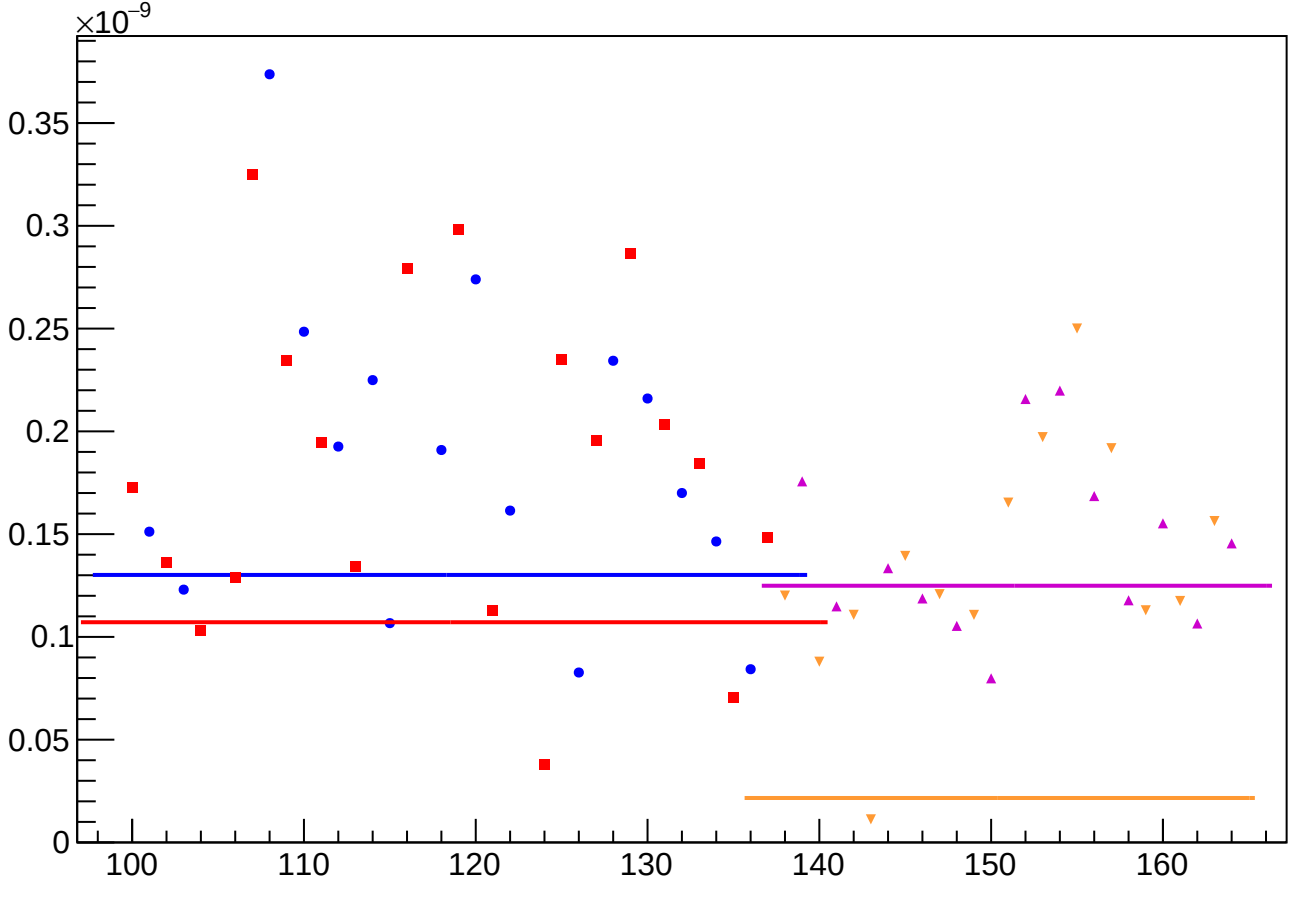
Left: 0.000+/-0.000 χ^2/NDF: 28.5/26

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:32.5/28

Out: 0.000+/-0.000 χ^2/NDF:28.4/32

All: -0.000+/-0.000 χ^2/NDF: 62.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:10972187.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1119962.9/12

Left: 0.000+/-0.000 χ^2/NDF: 20830465.4/26

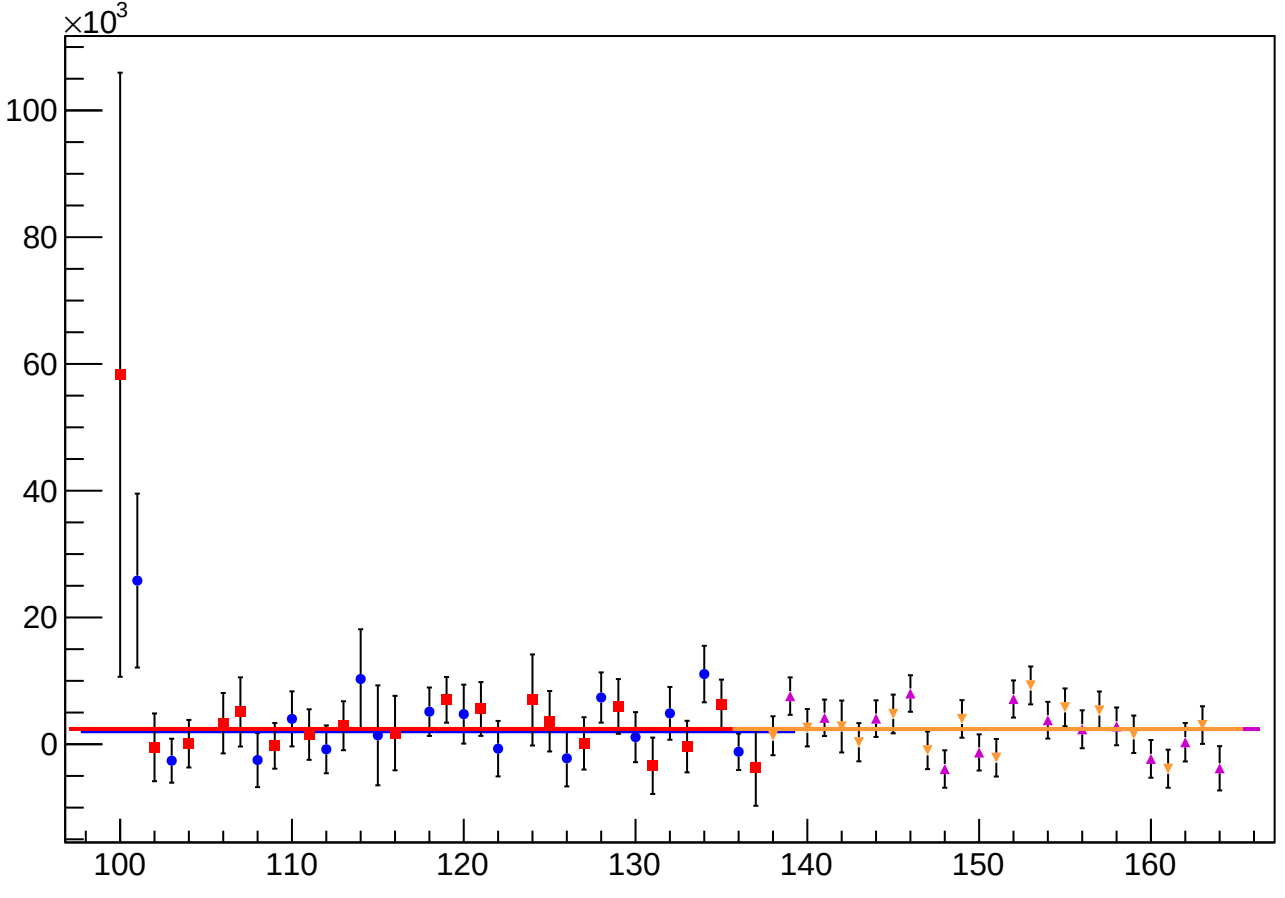
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:2462378.7/28

Out: 0.000+/-0.000 χ^2/NDF:17580376.3/32

All: 0.000+/-0.000 χ^2/NDF: 31820251.8/61

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2407.725+/-812.839 χ^2/NDF:17.2/13

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2396.925+/-823.141 χ^2/NDF:22.8/12

Left: 2402.393+/-578.372 χ^2/NDF: 40.0/26

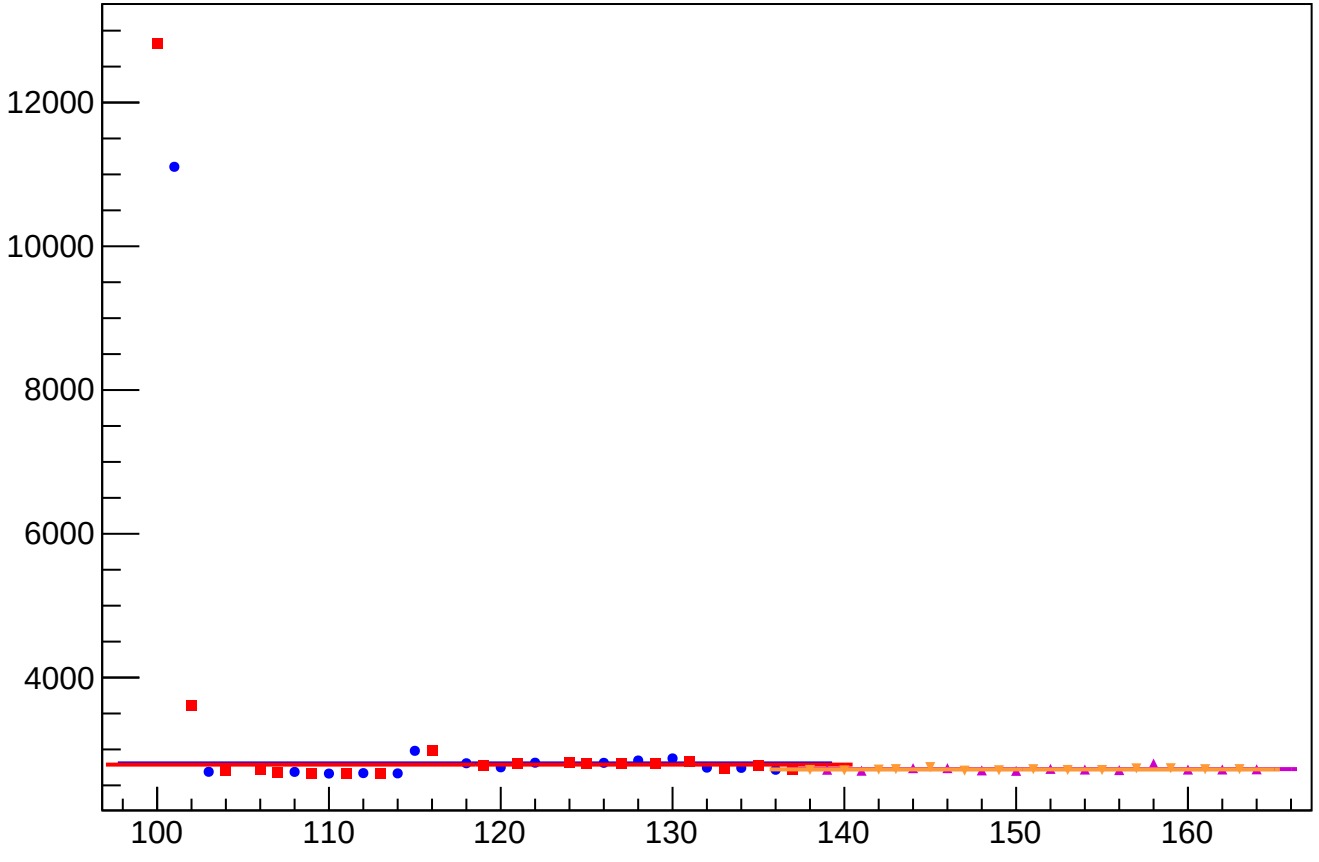
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2267.816+/-652.512 χ^2/NDF:40.6/28

Out: 2409.301+/-639.374 χ^2/NDF:27.9/32

All: 2339.997+/-456.680 χ^2/NDF: 68.6/61

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2722.242+/-0.575 χ^2/NDF:517.9/13

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2726.397+/-0.582 χ^2/NDF:1838.6/12

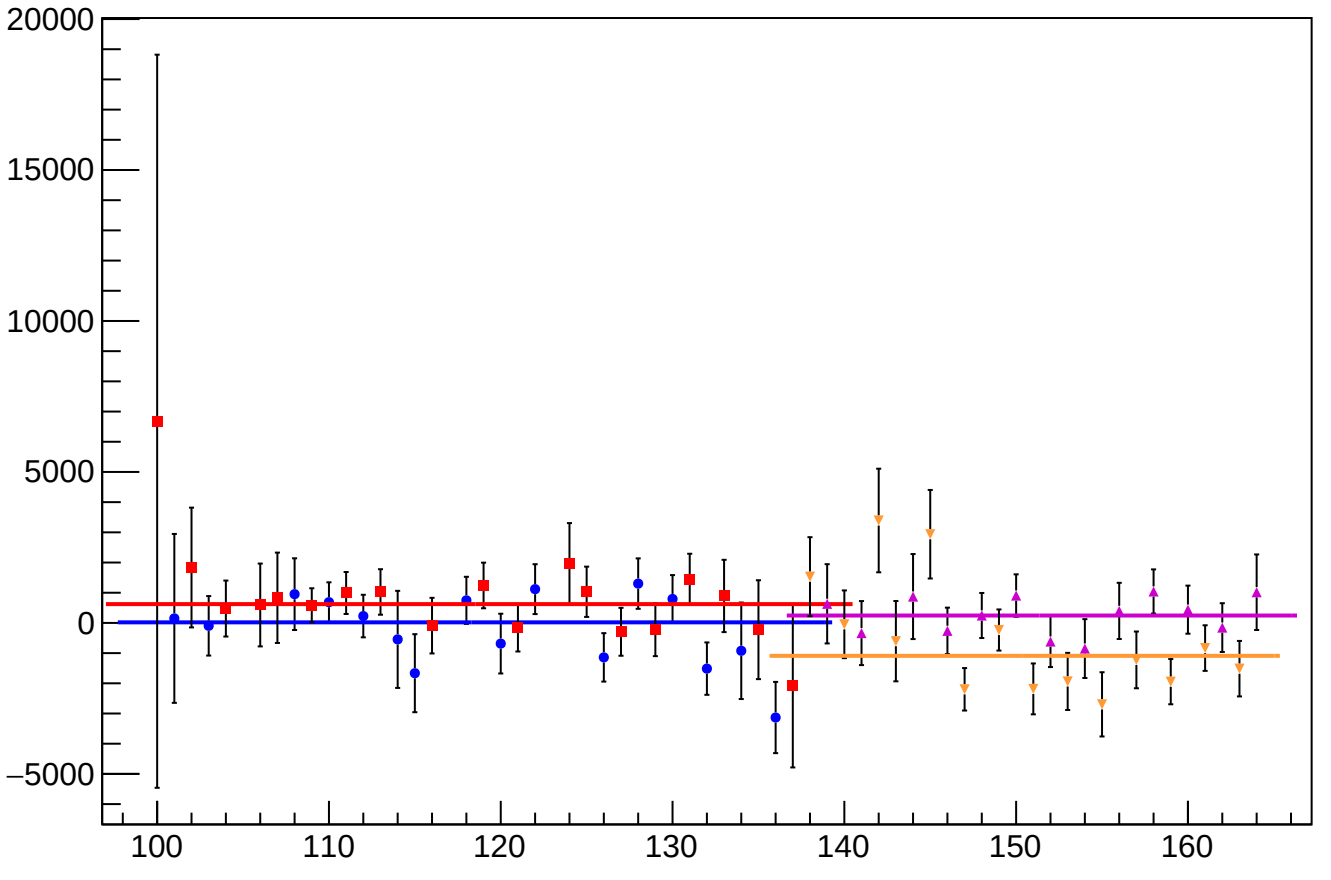
Left: 2724.293+/-0.409 χ^2/NDF: 2382.3/26

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2755.772+/-0.461 χ^2/NDF:754933.6/28

Out: 2747.627+/-0.452 χ^2/NDF:152632.0/32

All: 2751.616+/-0.323 χ^2/NDF: 907724.6/61



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -1090.137+/-248.516 χ^2/NDF:29.9/13

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 244.879+/-244.581 χ^2/NDF:6.1/12

Left: -411.978+/-174.319 χ^2/NDF: 50.6/26

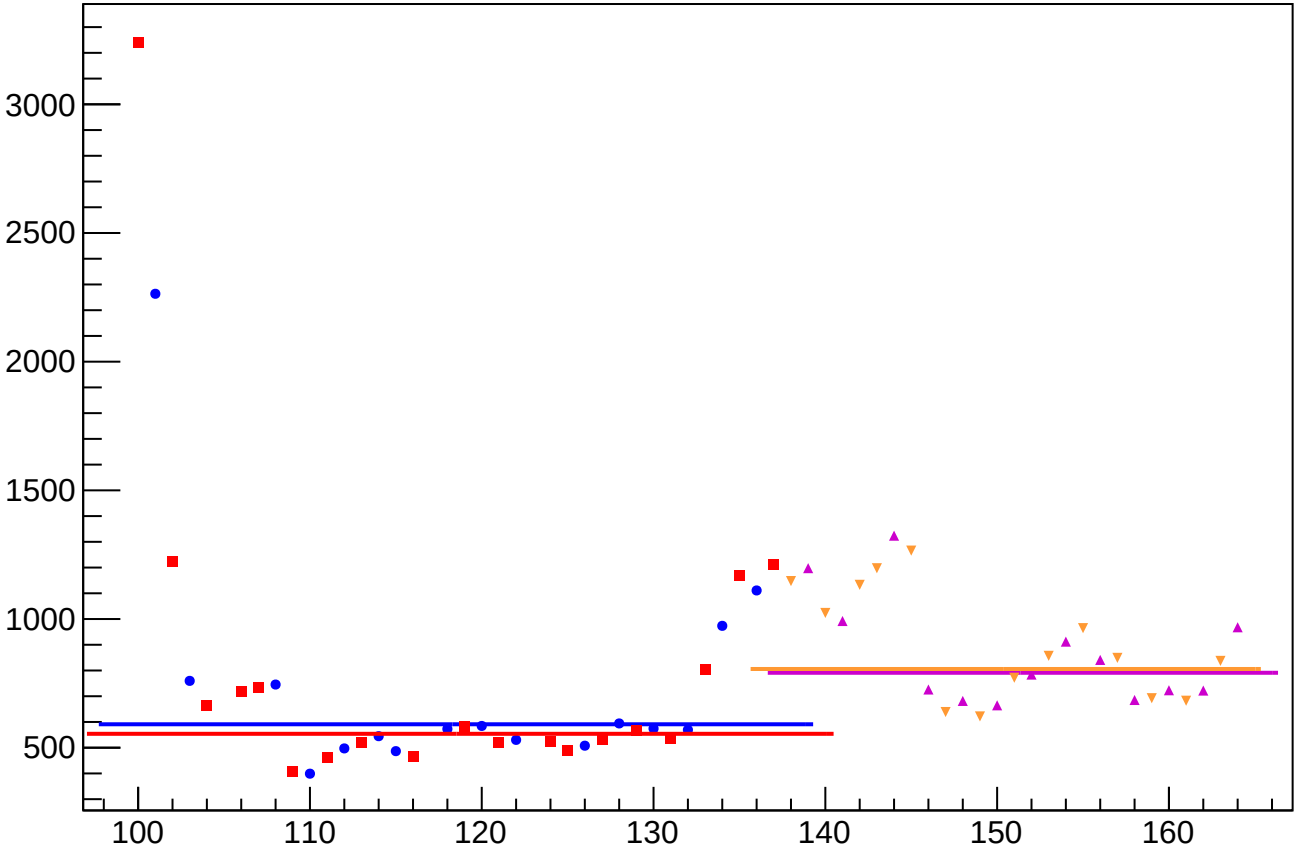
Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 126.689+/-168.885 χ^2/NDF:29.3/28

Out: -113.972+/-163.005 χ^2/NDF:66.2/32

All: 2.096+/-117.286 χ^2/NDF: 96.6/61

asym_atr1_reg_correction_rms vs Slug, Sign Corrected



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 805.875+/-0.176 χ^2/NDF:1073713.7/13

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 791.146+/-0.173 χ^2/NDF:819959.2/12

Left: 798.393+/-0.123 χ^2/NDF: 1897241.5/26

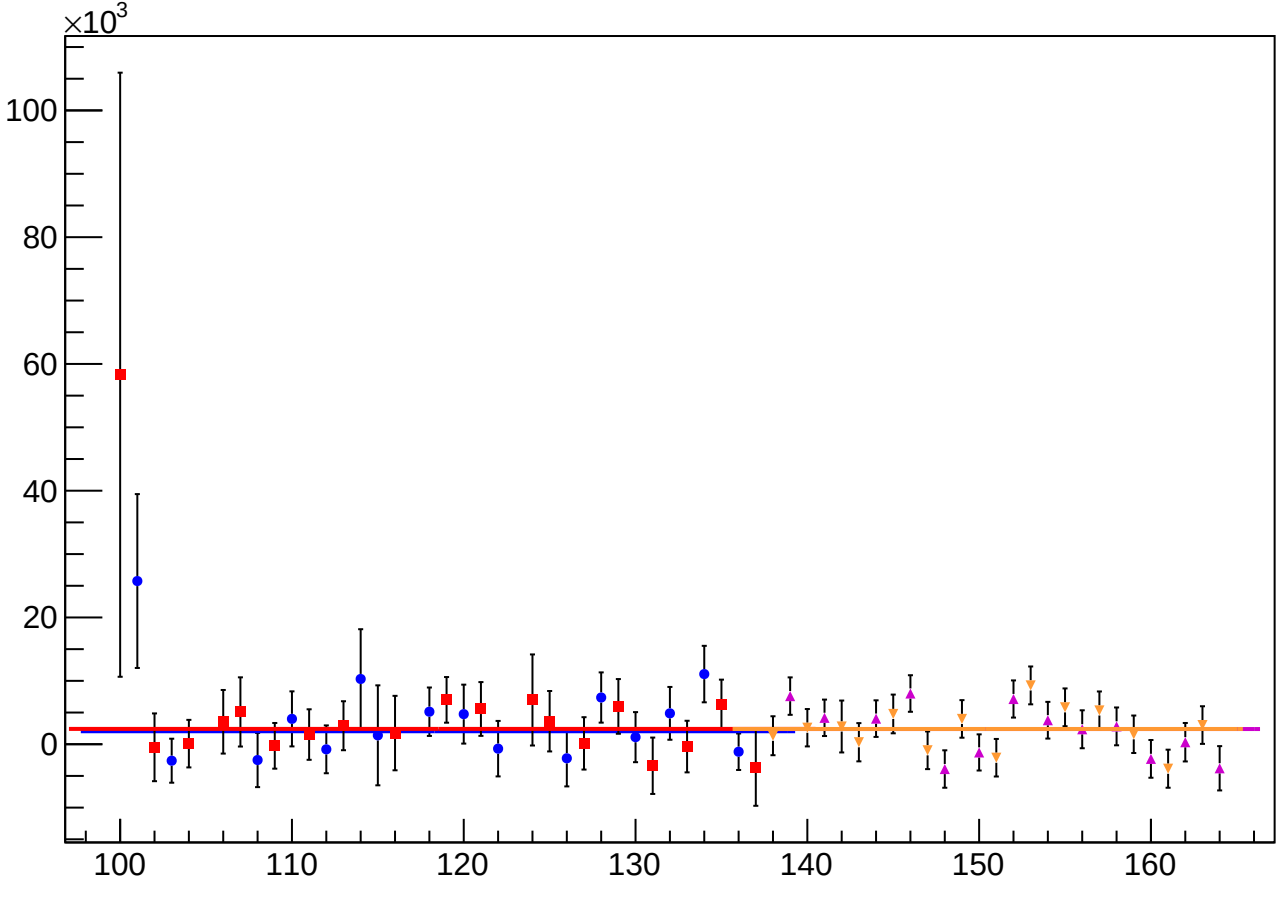
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 686.450+/-0.119 χ^2/NDF:3088058.1/28

Out: 662.352+/-0.115 χ^2/NDF:3361362.2/32

All: 673.975+/-0.083 χ^2/NDF: 6470502.1/61

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2407.777+/-812.839 χ^2/NDF:17.2/13

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2396.984+/-823.141 χ^2/NDF:22.8/12

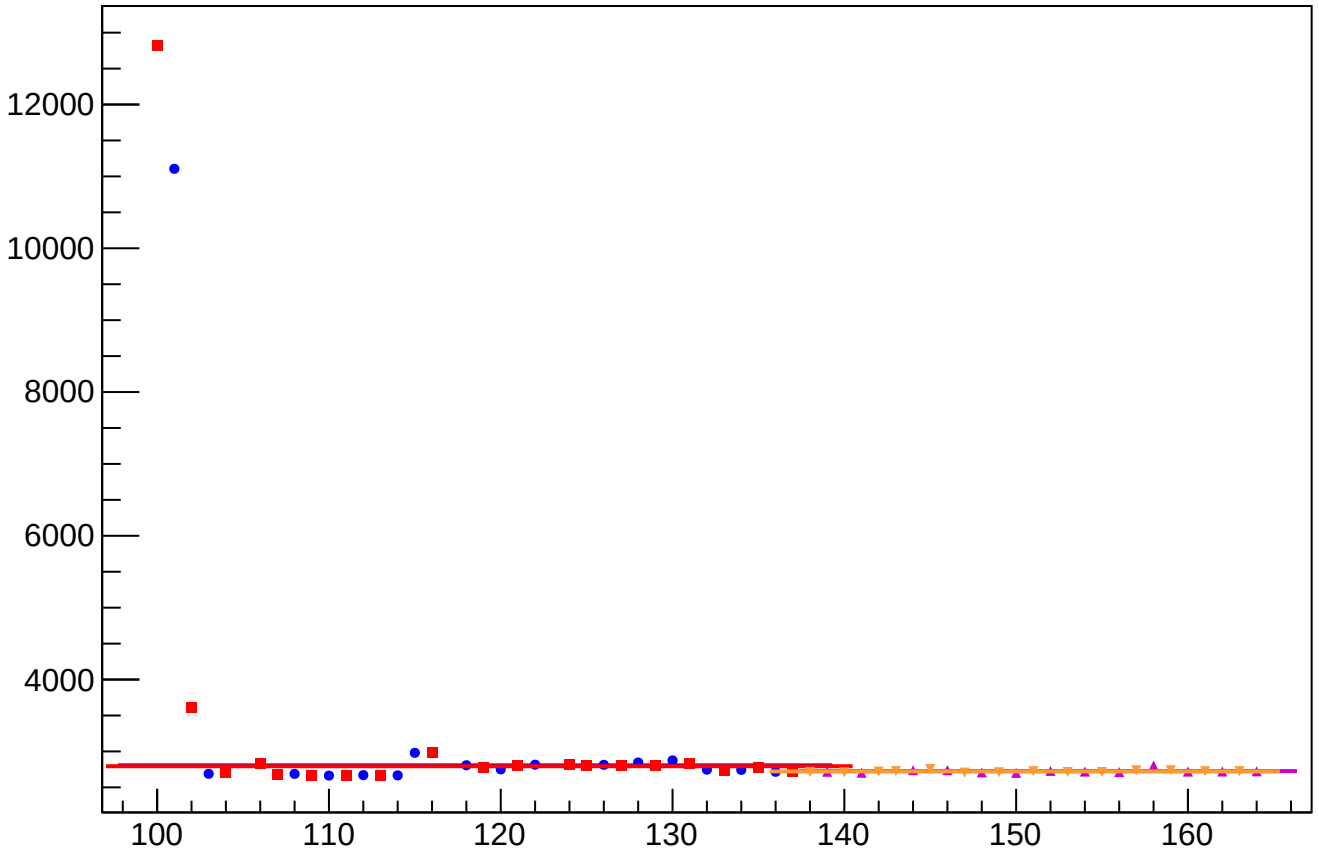
Left: 2402.449+/-578.372 χ^2/NDF: 40.0/26

Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2267.554+/-652.512 χ^2/NDF:40.6/28

Out: 2411.630+/-639.934 χ^2/NDF:28.0/32

All: 2340.993+/-456.884 χ^2/NDF: 68.6/61



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2722.242+/-0.575 χ^2/NDF:517.9/13

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2726.397+/-0.582 χ^2/NDF:1838.6/12

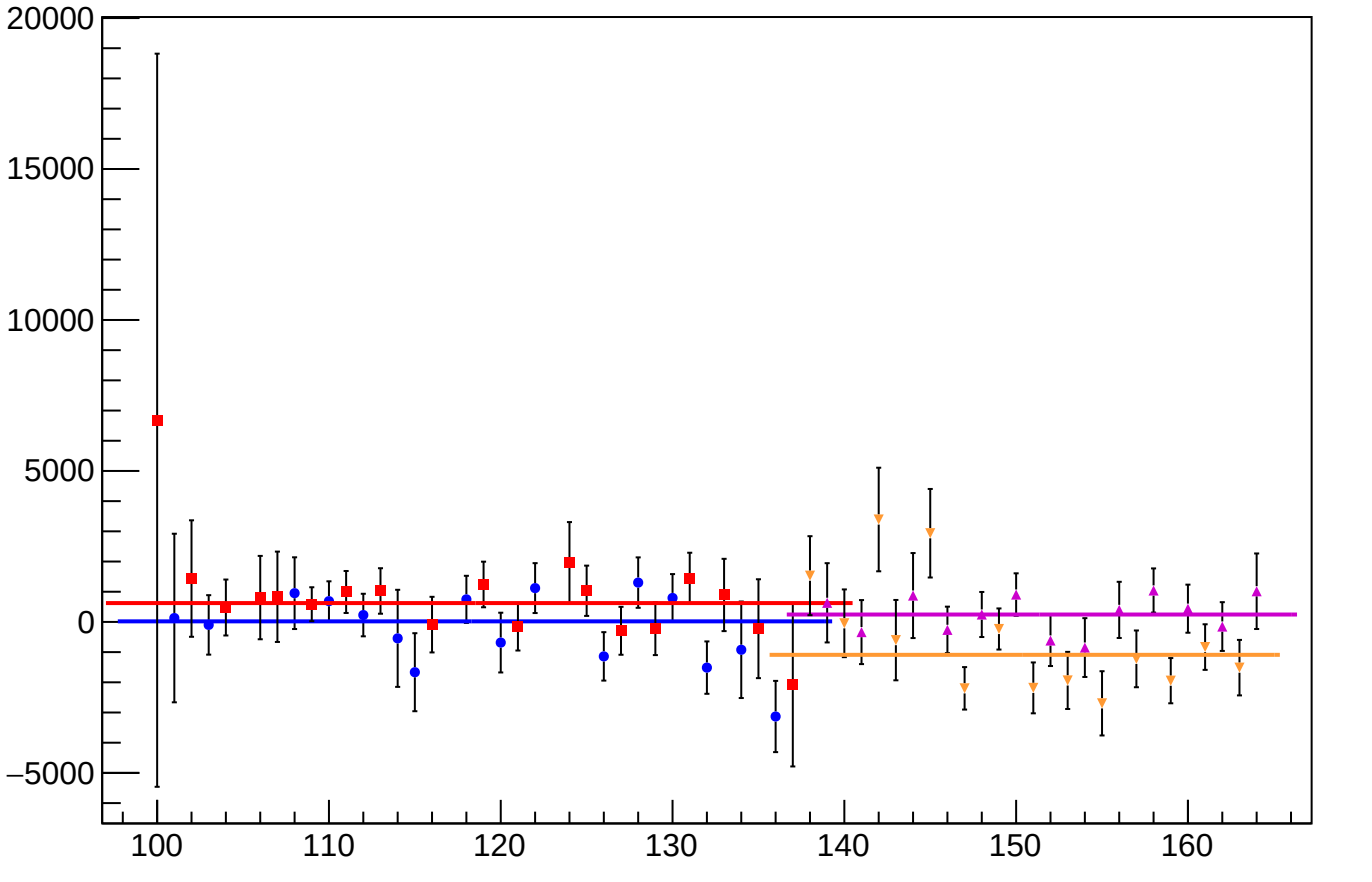
Left: 2724.293+/-0.409 χ^2/NDF: 2382.3/26

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2755.772+/-0.461 χ^2/NDF:754932.7/28

Out: 2749.583+/-0.453 χ^2/NDF:153214.0/32

All: 2752.617+/-0.323 χ^2/NDF: 908238.4/61



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1090.013+/-248.515 χ^2/NDF:29.9/13

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 244.999+/-244.580 χ^2/NDF:6.1/12

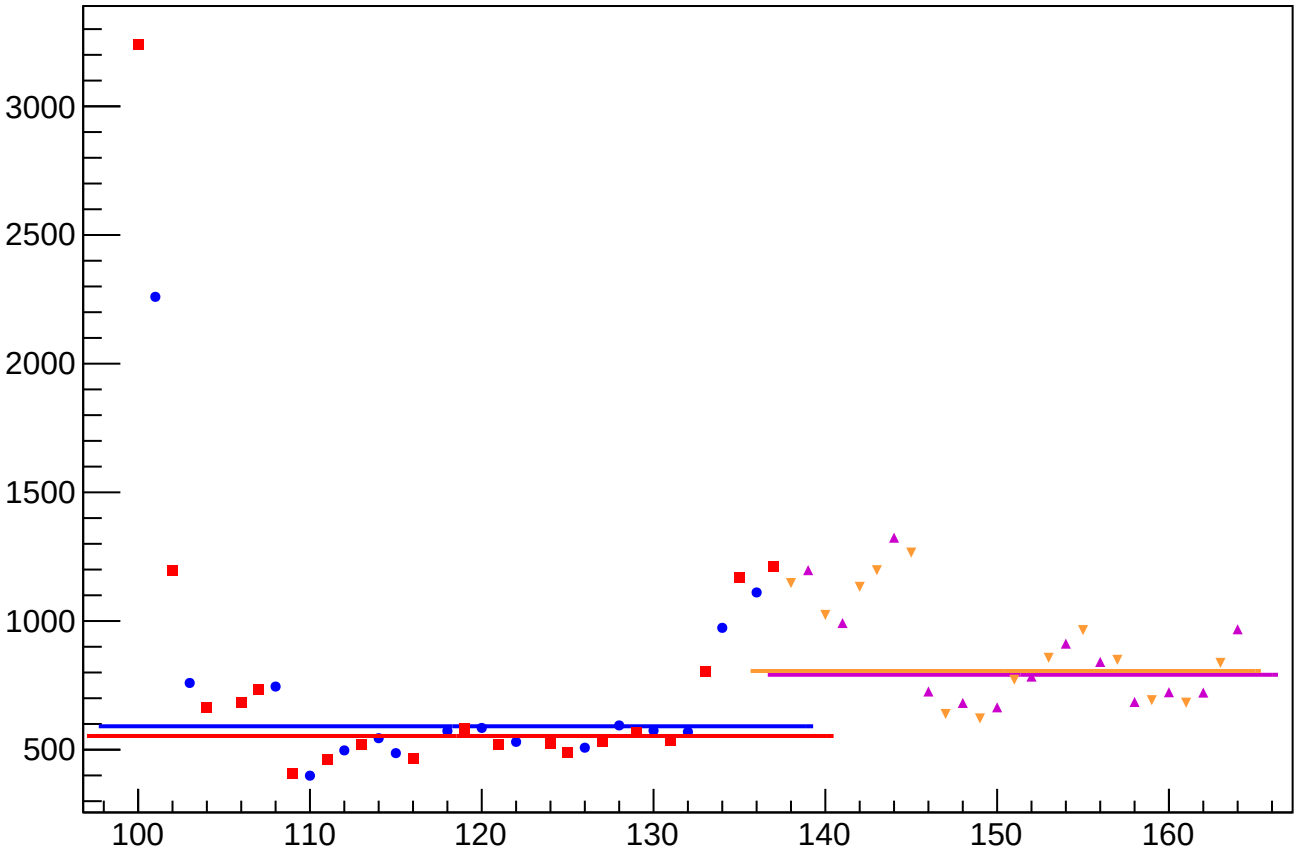
Left: -411.854+/-174.319 χ^2/NDF: 50.6/26

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 126.719+/-168.880 χ^2/NDF:29.3/28

Out: -113.107+/-162.985 χ^2/NDF:66.1/32

All: 2.548+/-117.276 χ^2/NDF: 96.4/61



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 805.872+/-0.176 χ^2/NDF:1073727.6/13

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 791.141+/-0.173 χ^2/NDF:819940.1/12

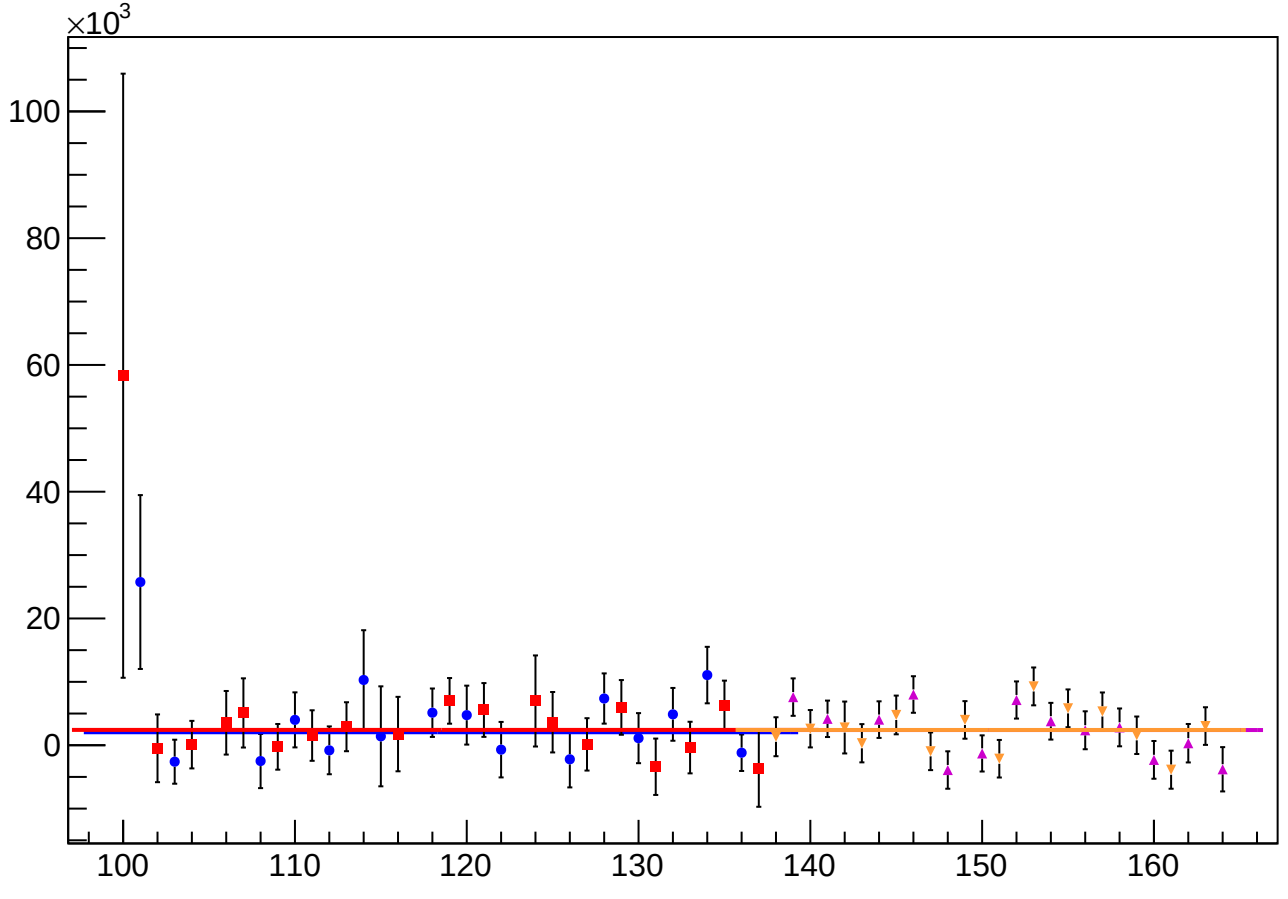
Left: 798.389+/-0.123 χ^2/NDF: 1897237.2/26

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 686.443+/-0.119 χ^2/NDF:3087029.3/28

Out: 661.898+/-0.115 χ^2/NDF:3353277.9/32

All: 673.735+/-0.083 χ^2/NDF: 6462181.4/61



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2407.777+/-812.839 χ^2/NDF:17.2/13

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2396.984+/-823.141 χ^2/NDF:22.8/12

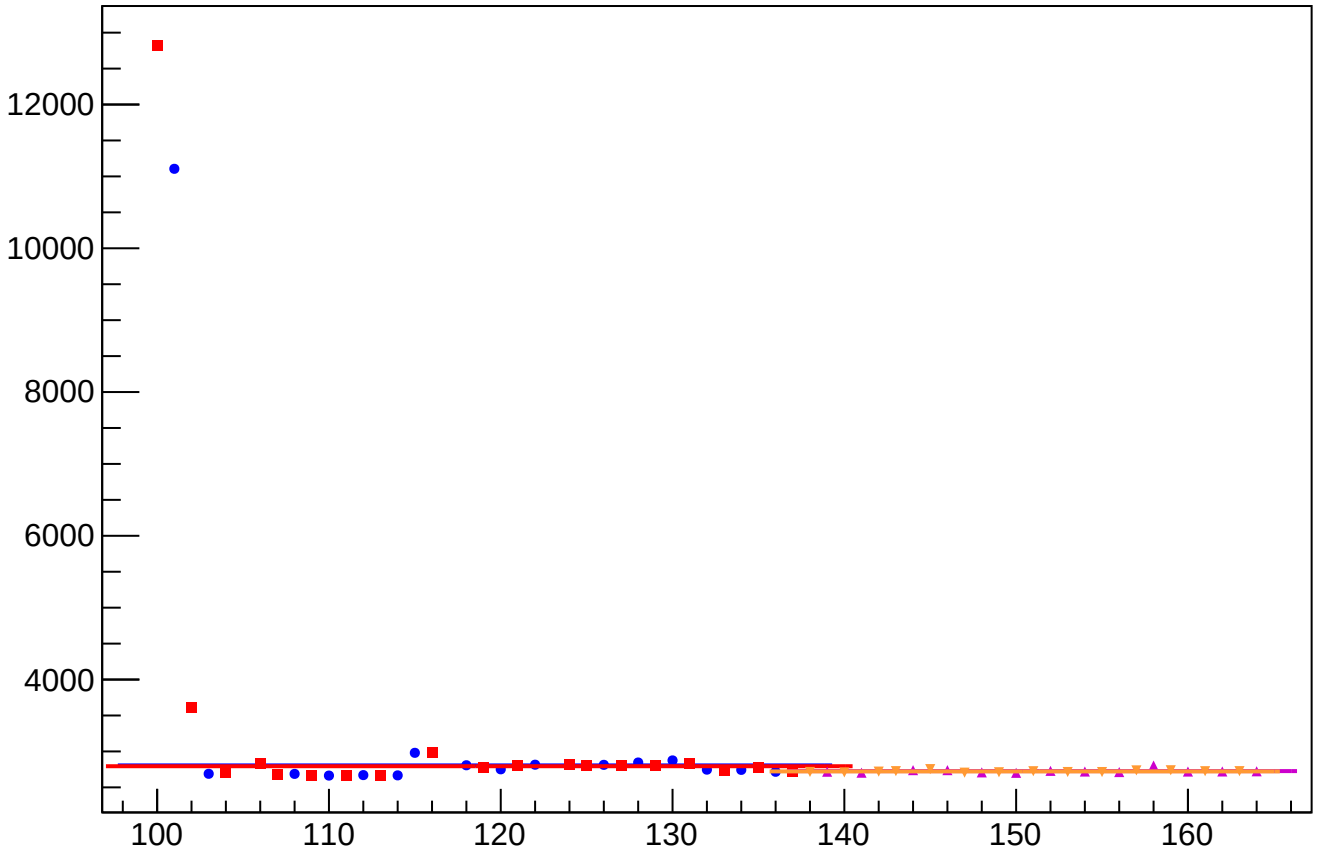
Left: 2402.449+/-578.372 χ^2/NDF: 40.0/26

Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2267.554+/-652.512 χ^2/NDF:40.6/28

Out: 2411.630+/-639.934 χ^2/NDF:28.0/32

All: 2340.993+/-456.884 χ^2/NDF: 68.6/61



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2722.242+/-0.575 χ^2/NDF:517.9/13

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2726.397+/-0.582 χ^2/NDF:1838.6/12

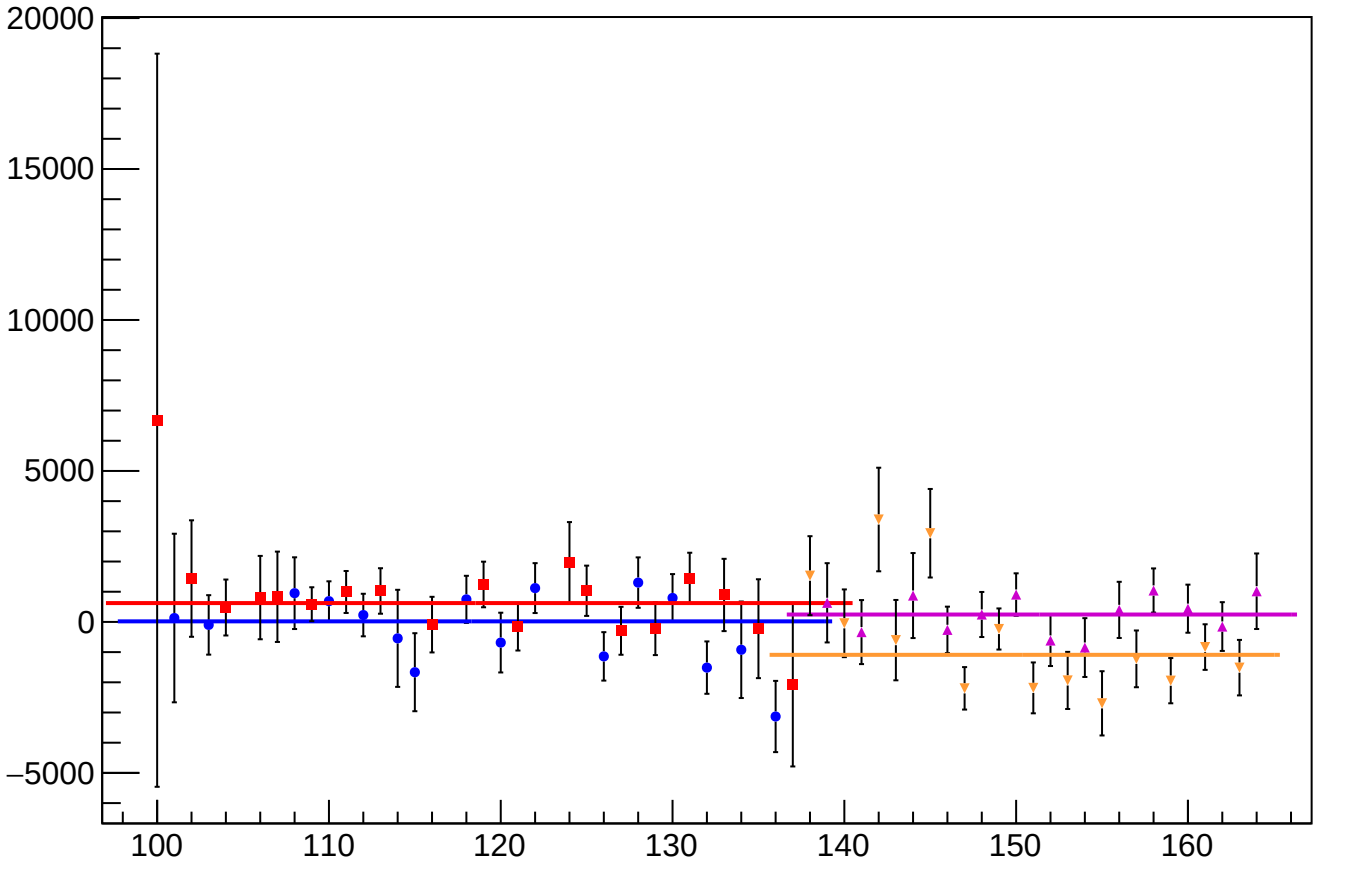
Left: 2724.293+/-0.409 χ^2/NDF: 2382.3/26

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2755.772+/-0.461 χ^2/NDF:754932.7/28

Out: 2749.583+/-0.453 χ^2/NDF:153214.0/32

All: 2752.617+/-0.323 χ^2/NDF: 908238.4/61



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1090.013+/-248.515 χ^2/NDF:29.9/13

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 244.999+/-244.580 χ^2/NDF:6.1/12

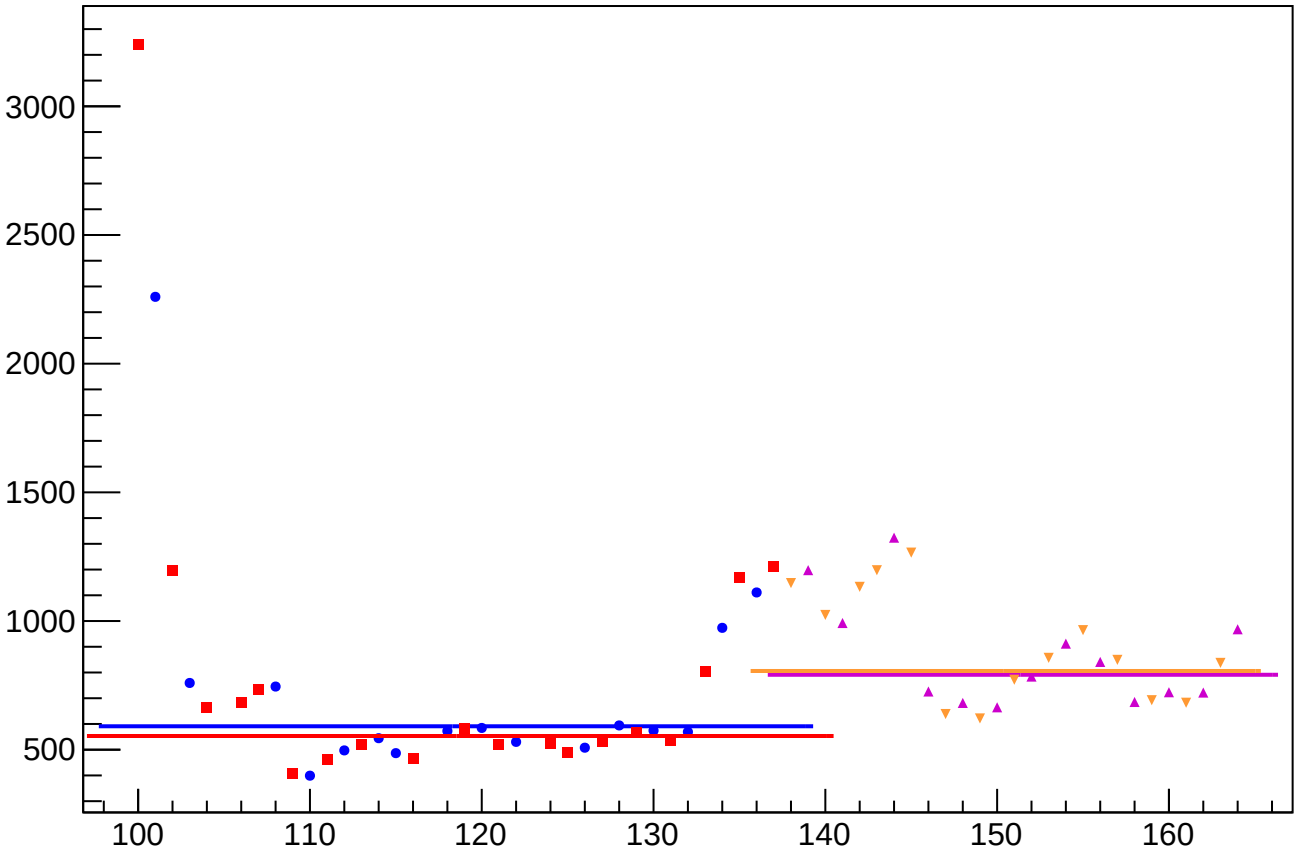
Left: -411.854+/-174.319 χ^2/NDF: 50.6/26

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 126.719+/-168.880 χ^2/NDF:29.3/28

Out: -113.107+/-162.985 χ^2/NDF:66.1/32

All: 2.548+/-117.276 χ^2/NDF: 96.4/61



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 805.872+/-0.176 χ^2/NDF:1073727.6/13

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 791.141+/-0.173 χ^2/NDF:819940.1/12

Left: 798.389+/-0.123 χ^2/NDF: 1897237.2/26

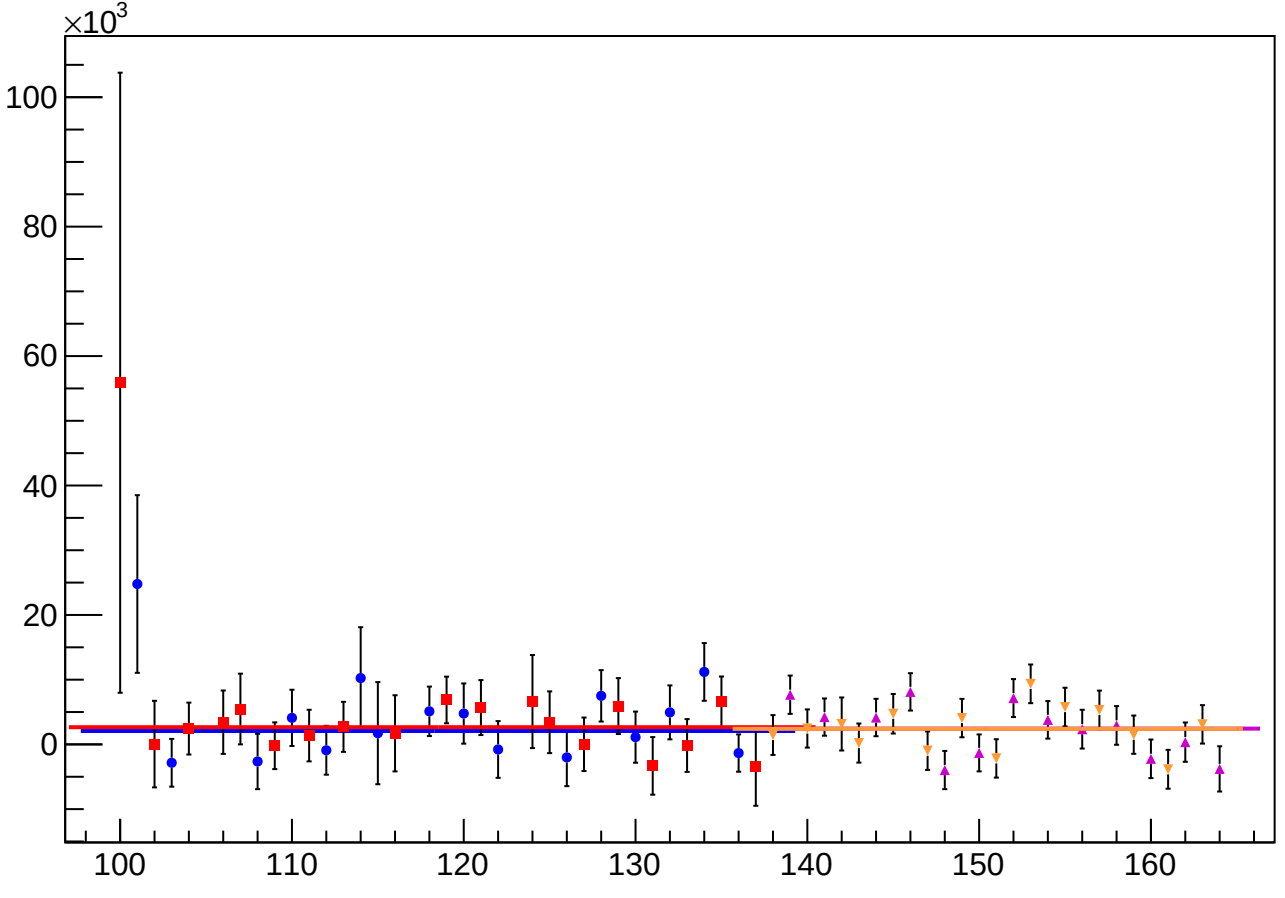
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 686.443+/-0.119 χ^2/NDF:3087029.3/28

Out: 661.898+/-0.115 χ^2/NDF:3353277.9/32

All: 673.735+/-0.083 χ^2/NDF: 6462181.4/61

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2410.520+/-813.422 χ^2/NDF:17.3/13

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2437.945+/-823.635 χ^2/NDF:23.1/12

Left: 2424.062+/-578.753 χ^2/NDF: 40.4/26

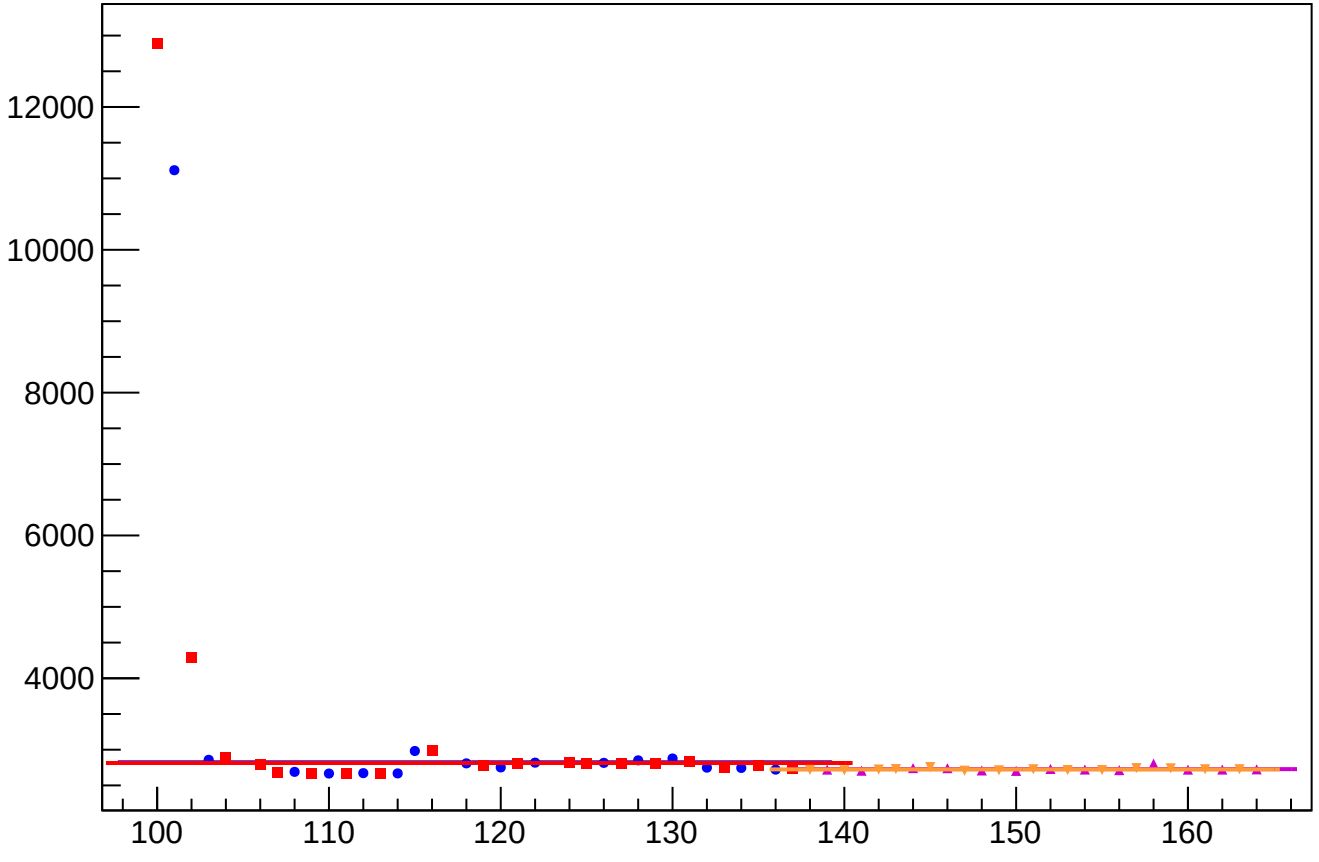
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2303.953+/-654.288 χ^2/NDF:41.0/28

Out: 2503.091+/-643.008 χ^2/NDF:27.3/32

All: 2405.254+/-458.611 χ^2/NDF: 68.4/61

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2724.185+/-0.575 χ^2/NDF:555.0/13

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2728.022+/-0.582 χ^2/NDF:1854.4/12

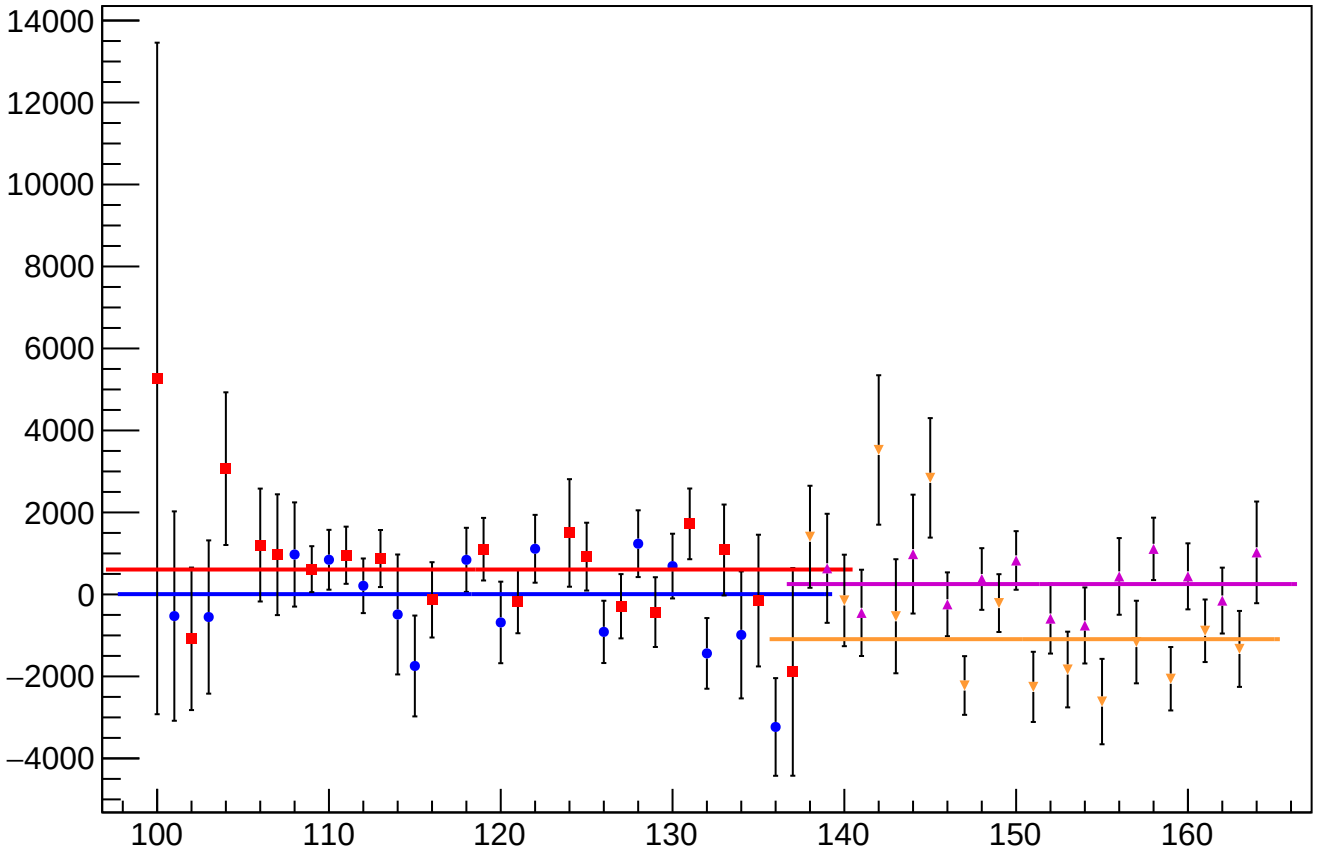
Left: 2726.080+/-0.409 χ^2/NDF: 2431.4/26

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

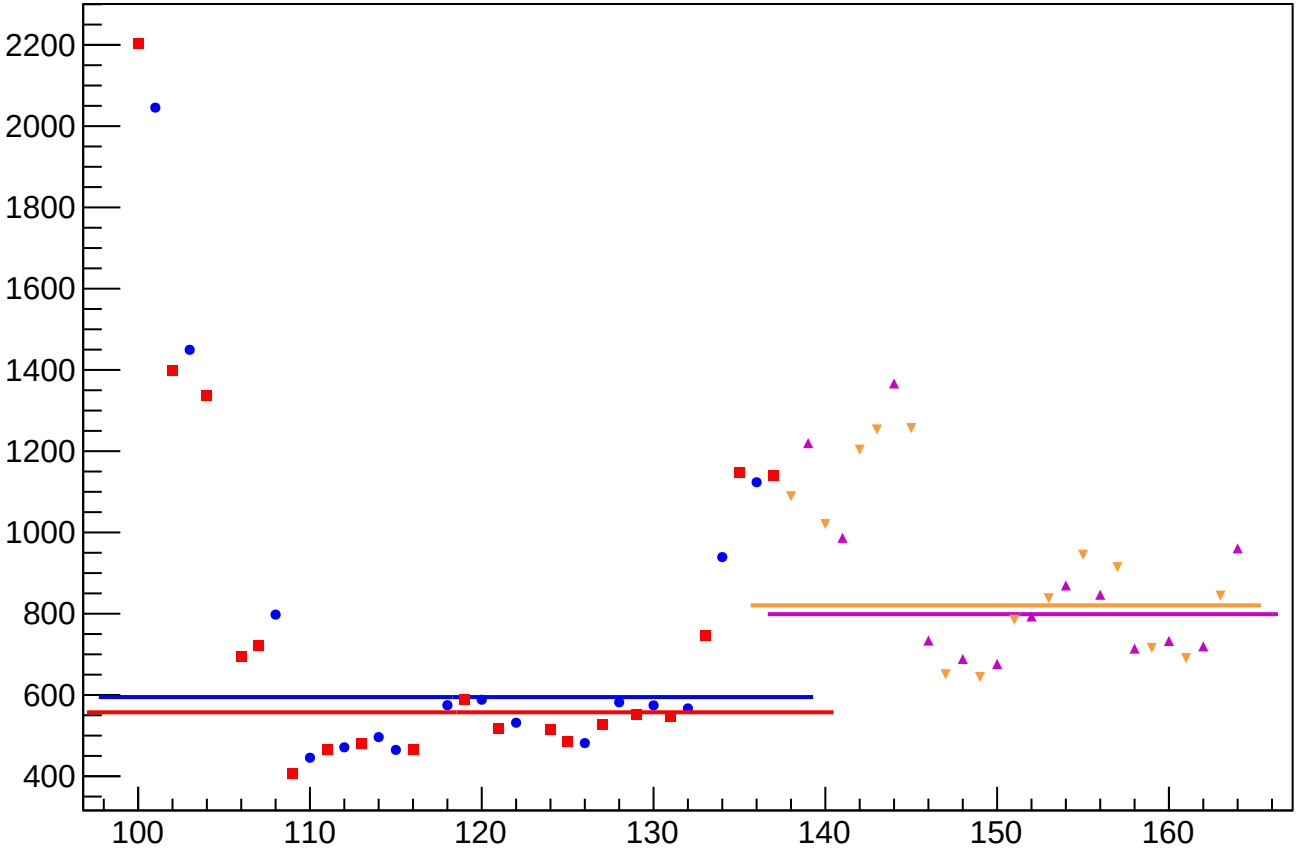
In: 2763.229+/-0.463 χ^2/NDF:755675.6/28

Out: 2757.809+/-0.455 χ^2/NDF:210177.1/32

All: 2760.472+/-0.324 χ^2/NDF: 965922.5/61


asym_atr1_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 7.048+/-237.455 χ²/NDF: 22.8/15
Left Out: -1091.476+/-252.407 χ²/NDF:29.0/13
Right Out: 607.647+/-217.093 χ²/NDF: 12.2/18
Left In: 252.560+/-246.454 χ²/NDF:6.0/12
Left: -403.423+/-176.336 χ²/NDF: 49.5/26
Right: 334.198+/-160.224 χ²/NDF: 38.5/34
In: 125.240+/-170.999 χ²/NDF:29.4/28
Out: -114.835+/-164.589 χ²/NDF:67.2/32
All: 0.619+/-118.584 χ²/NDF: 97.6/61

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 820.747+/-0.178 χ^2/NDF:1002237.1/13

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 798.898+/-0.174 χ^2/NDF:795222.6/12

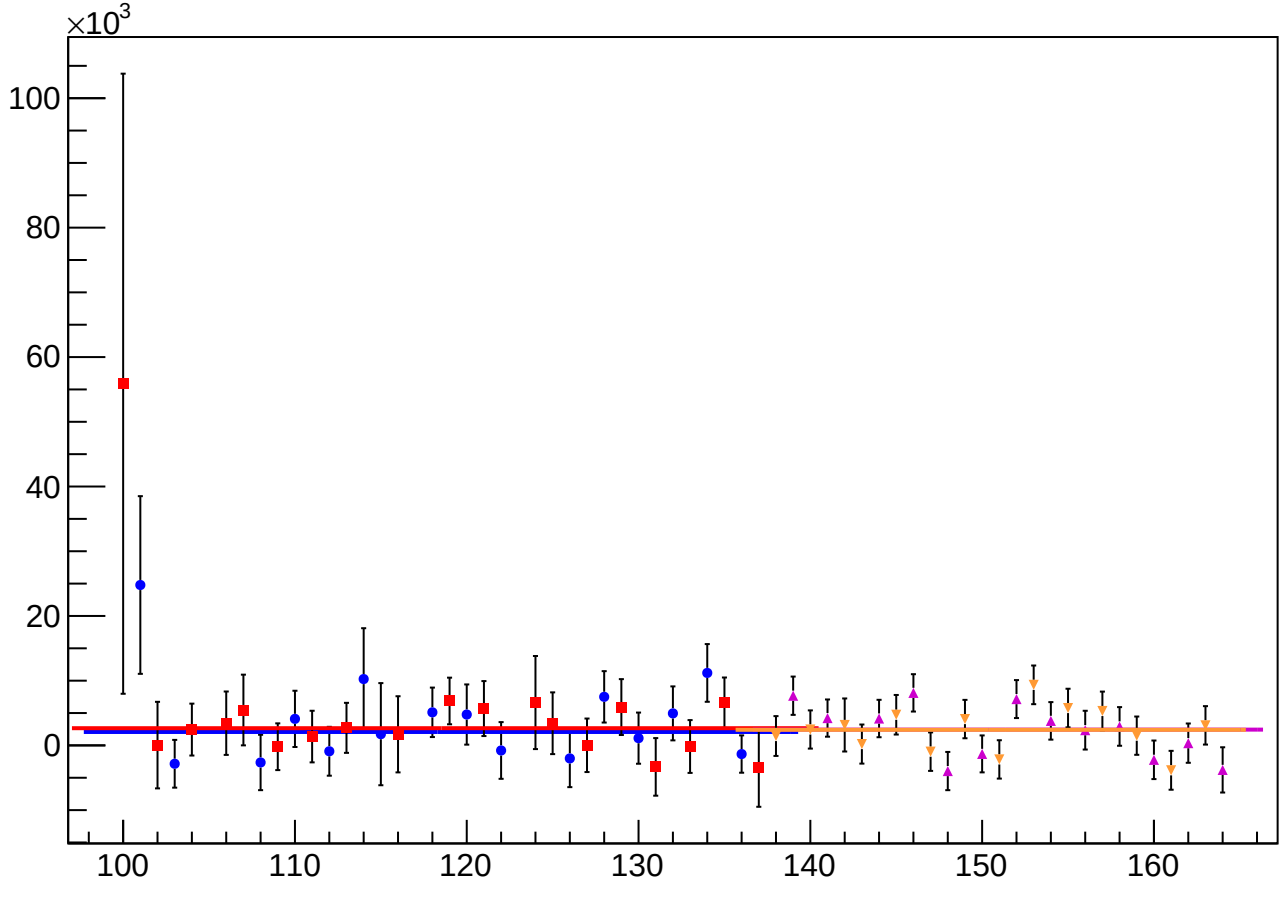
Left: 809.562+/-0.125 χ^2/NDF: 1805131.8/26

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 693.085+/-0.121 χ^2/NDF:3358786.3/28

Out: 669.376+/-0.116 χ^2/NDF:3884975.6/32

All: 680.778+/-0.084 χ^2/NDF: 7263719.4/61



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2410.521+/-813.422 χ^2/NDF:17.3/13

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2437.945+/-823.635 χ^2/NDF:23.1/12

Left: 2424.062+/-578.753 χ^2/NDF: 40.4/26

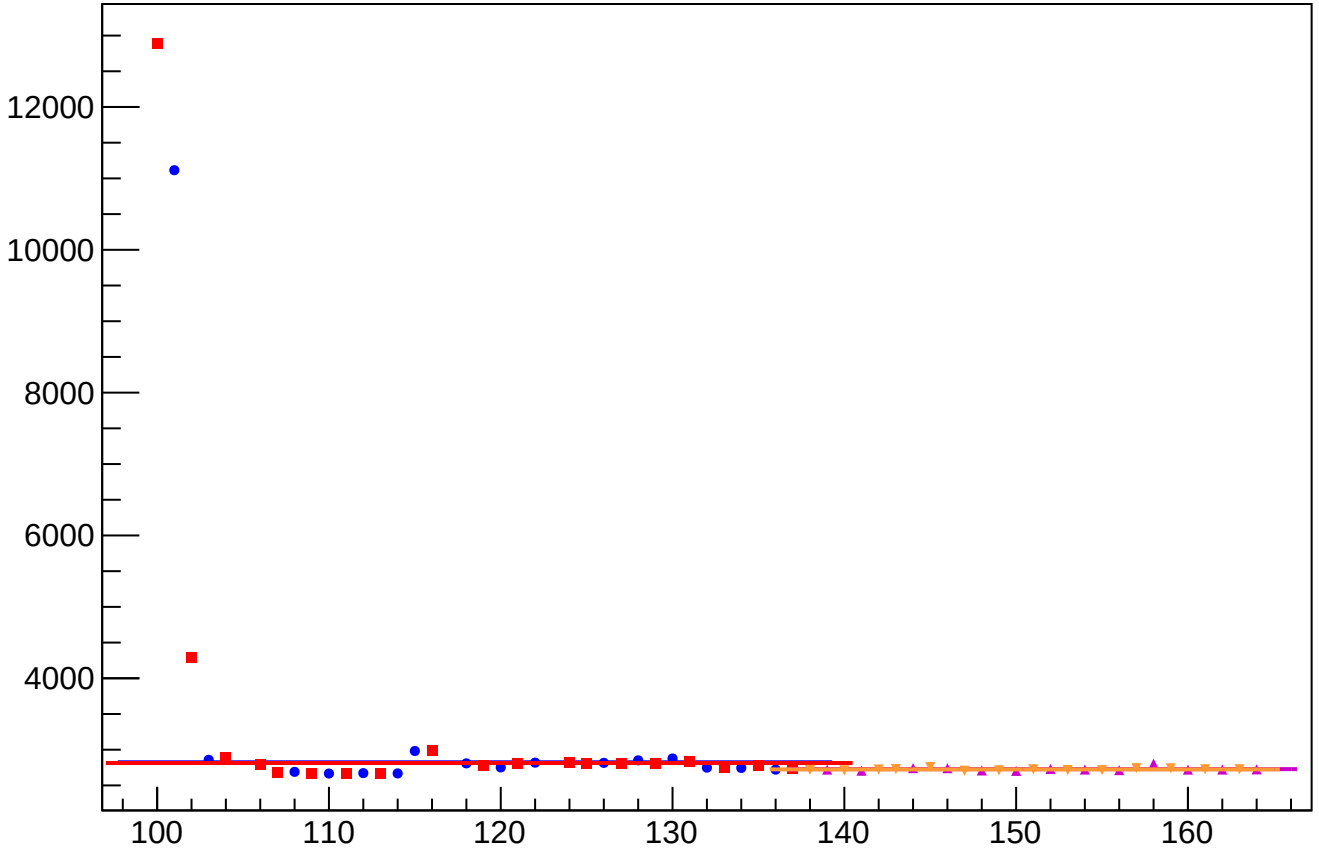
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2303.953+/-654.288 χ^2/NDF:41.0/28

Out: 2503.091+/-643.008 χ^2/NDF:27.3/32

All: 2405.253+/-458.611 χ^2/NDF: 68.4/61

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2724.185+/-0.575 χ^2/NDF:555.0/13

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2728.022+/-0.582 χ^2/NDF:1854.4/12

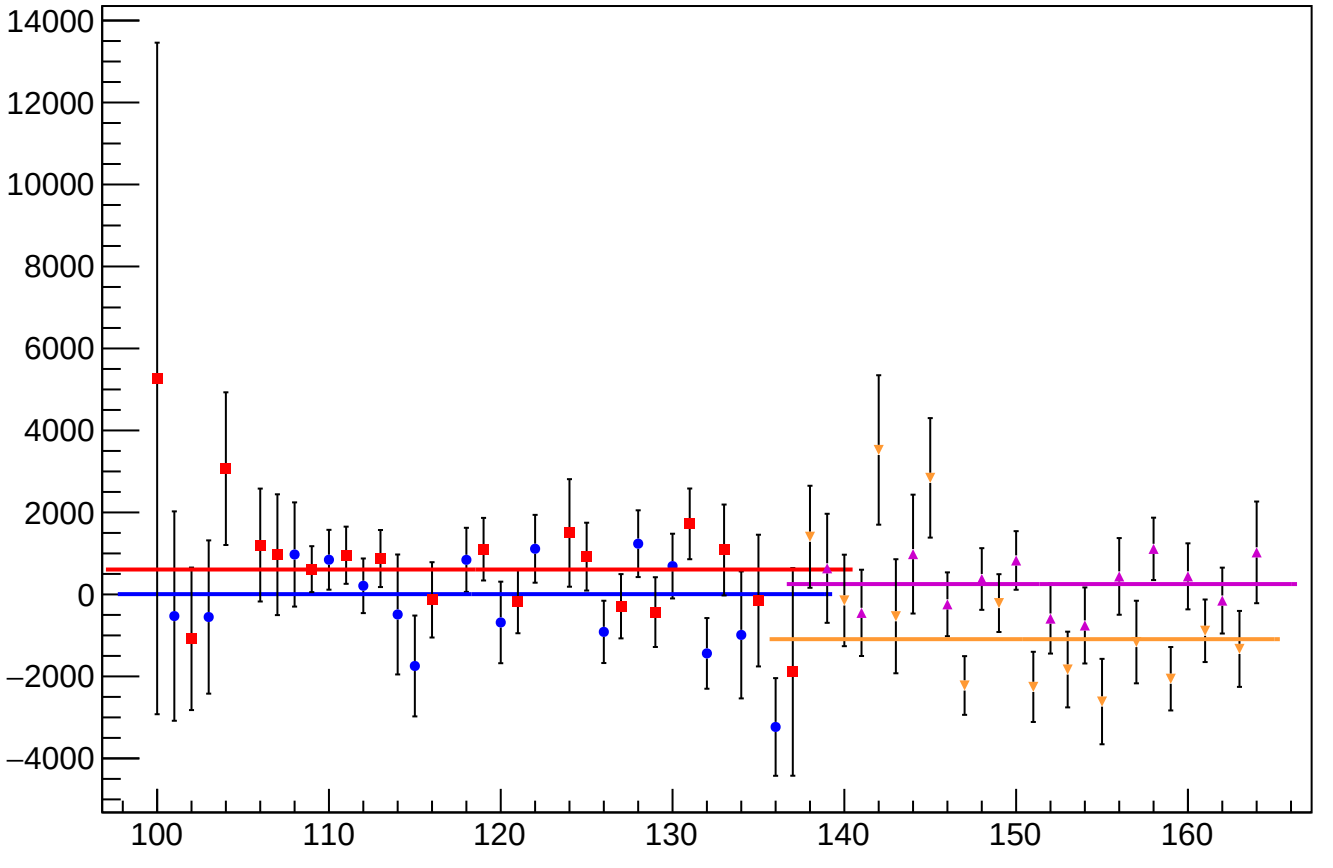
Left: 2726.080+/-0.409 χ^2/NDF: 2431.4/26

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2763.229+/-0.463 χ^2/NDF:755675.6/28

Out: 2757.809+/-0.455 χ^2/NDF:210176.8/32

All: 2760.472+/-0.324 χ^2/NDF: 965922.2/61



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1091.476+/-252.407 χ^2/NDF:29.0/13

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 252.560+/-246.454 χ^2/NDF:6.0/12

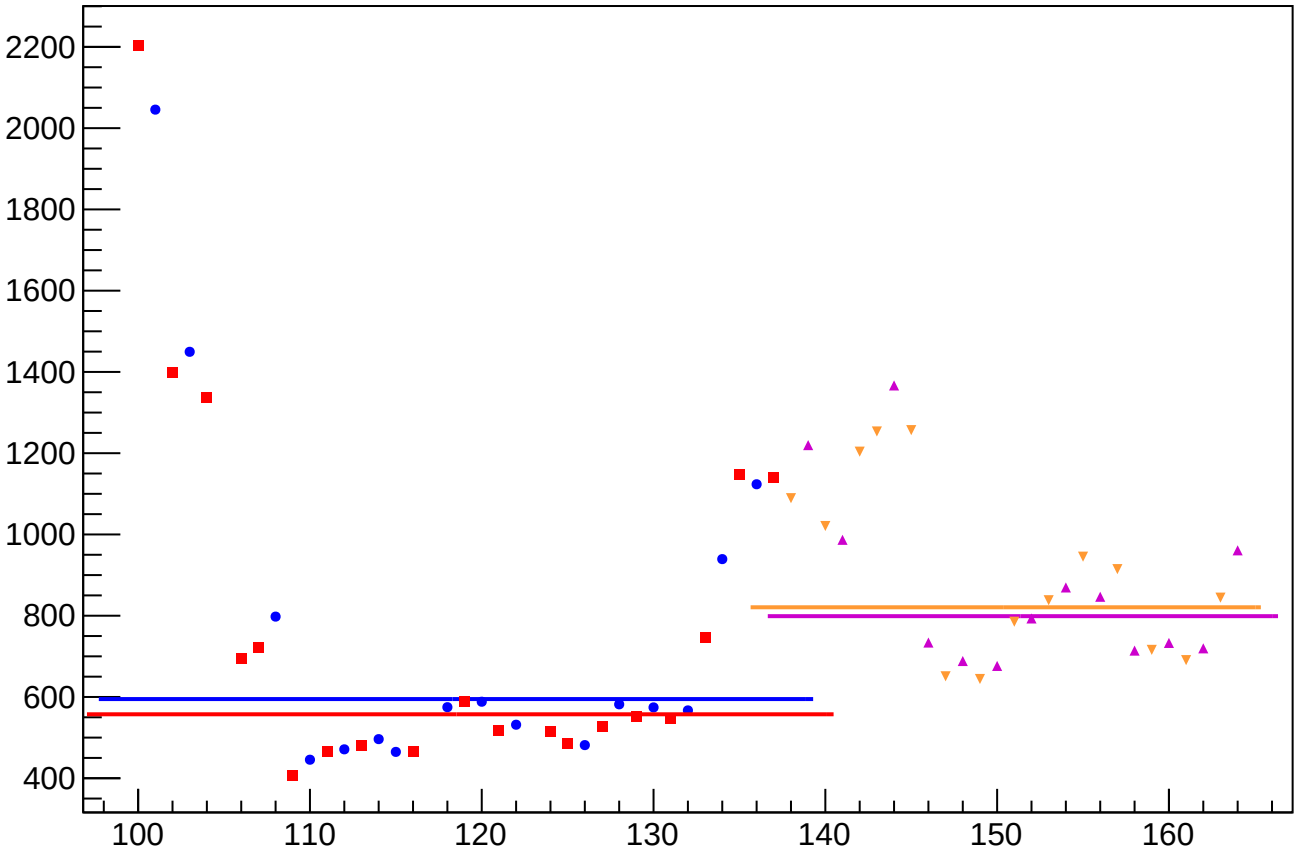
Left: -403.423+/-176.336 χ^2/NDF: 49.5/26

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 125.240+/-170.999 χ^2/NDF:29.4/28

Out: -114.835+/-164.589 χ^2/NDF:67.2/32

All: 0.619+/-118.584 χ^2/NDF: 97.6/61



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 820.747+/-0.178 χ^2/NDF:1002239.1/13

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 798.898+/-0.174 χ^2/NDF:795224.7/12

Left: 809.562+/-0.125 χ^2/NDF: 1805136.0/26

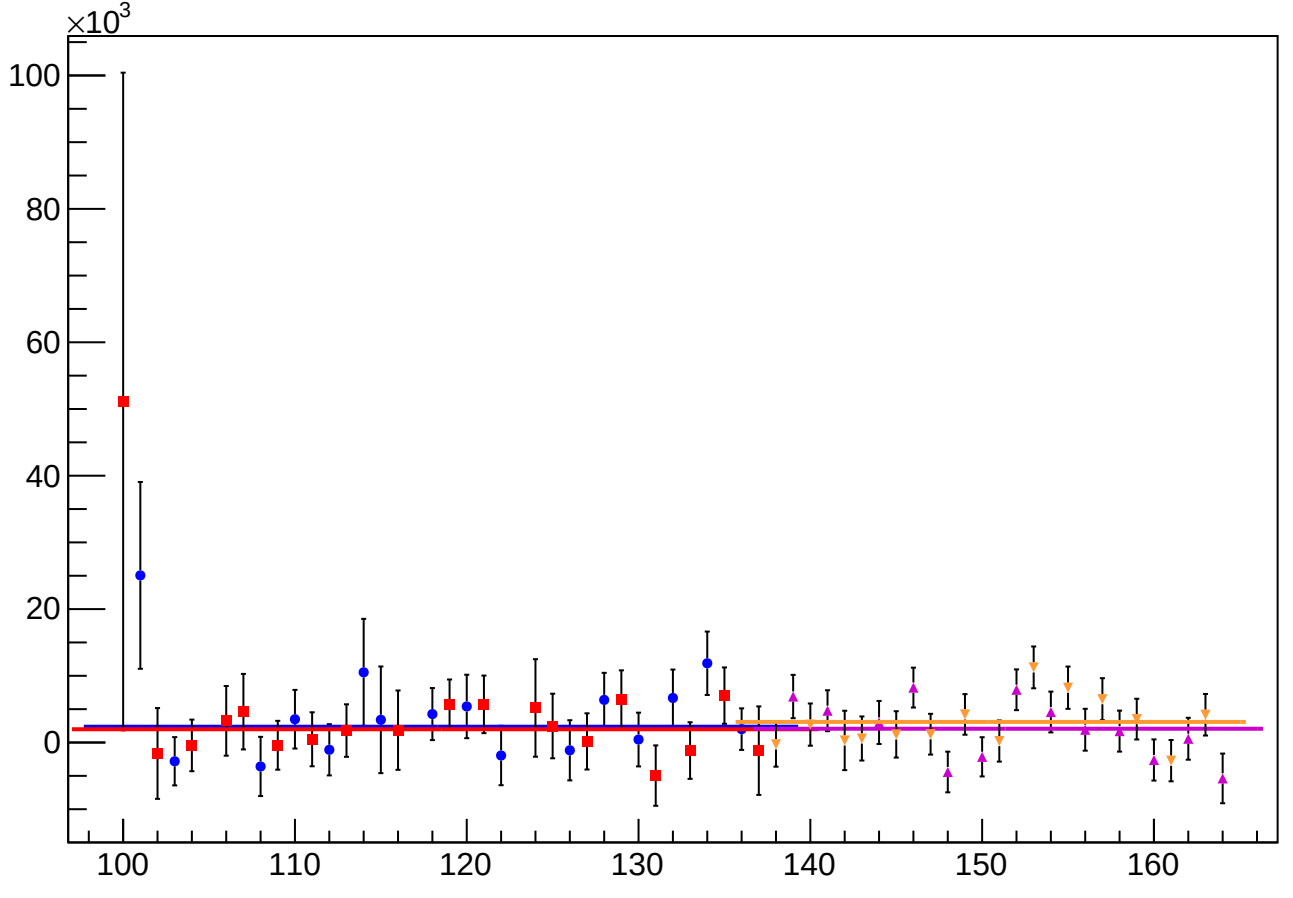
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 693.085+/-0.121 χ^2/NDF:3358778.5/28

Out: 669.376+/-0.116 χ^2/NDF:3884972.9/32

All: 680.778+/-0.084 χ^2/NDF: 7263709.1/61

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3085.212+/-860.455 χ^2/NDF:17.9/13

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2064.437+/-866.524 χ^2/NDF:24.8/12

Left: 2578.411+/-610.568 χ^2/NDF: 43.3/26

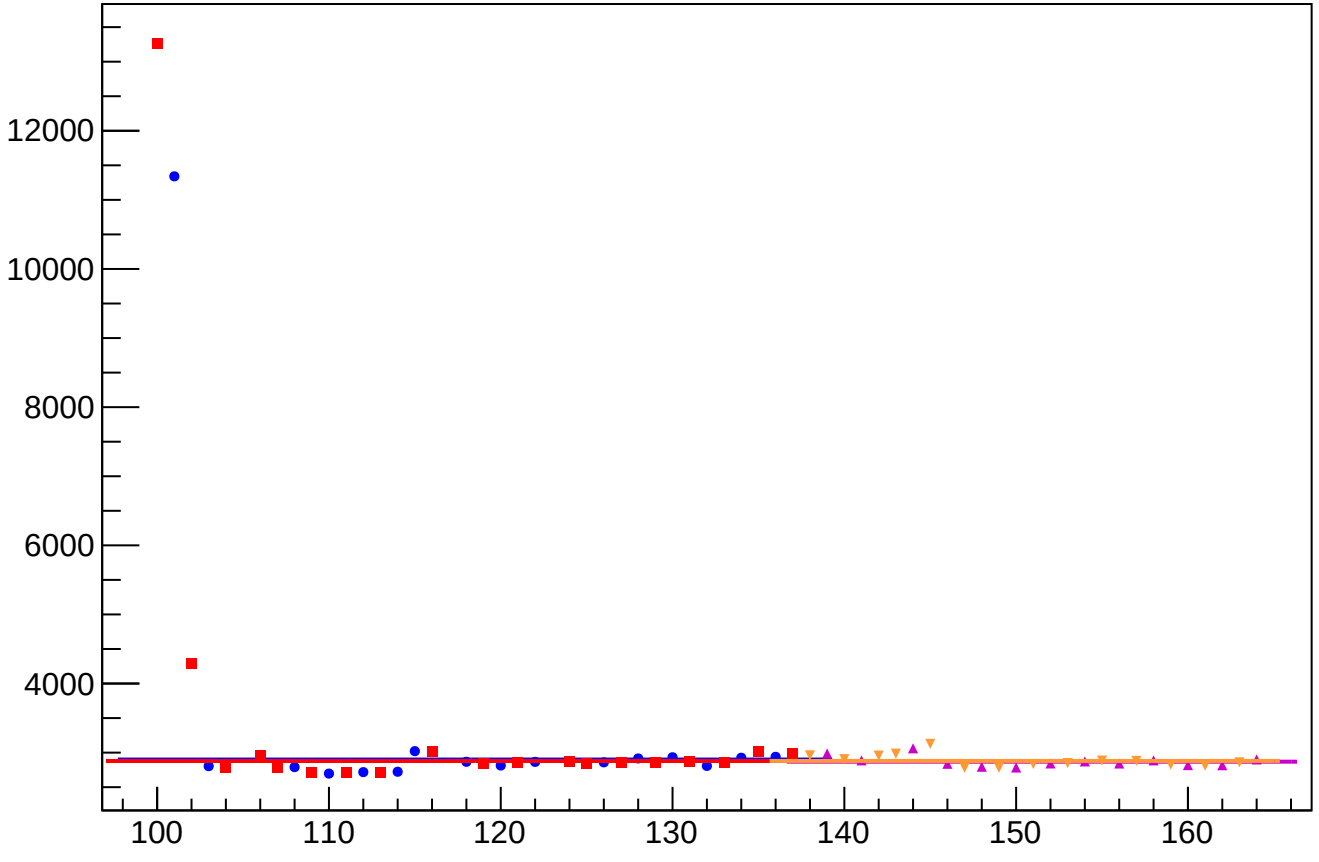
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2179.559+/-682.152 χ^2/NDF:41.7/28

Out: 2656.531+/-671.839 χ^2/NDF:28.8/32

All: 2421.678+/-478.667 χ^2/NDF: 70.7/61

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2879.943+/-0.608 χ^2/NDF:20511.6/13

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2868.988+/-0.613 χ^2/NDF:14462.4/12

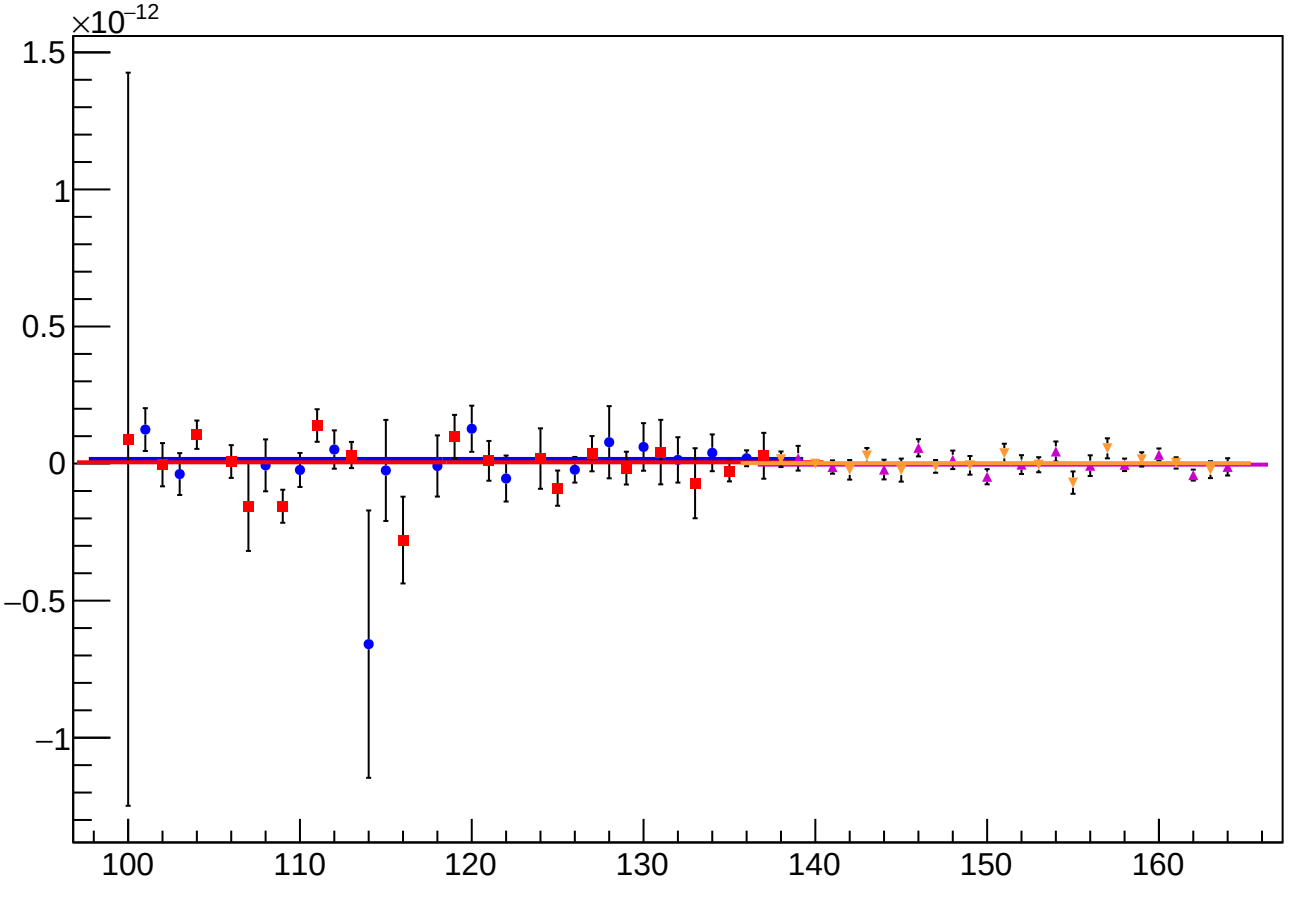
Left: 2874.504+/-0.432 χ^2/NDF: 35135.0/26

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2880.715+/-0.482 χ^2/NDF:757243.9/28

Out: 2879.558+/-0.475 χ^2/NDF:213795.1/32

All: 2880.128+/-0.338 χ^2/NDF: 971041.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.2/12

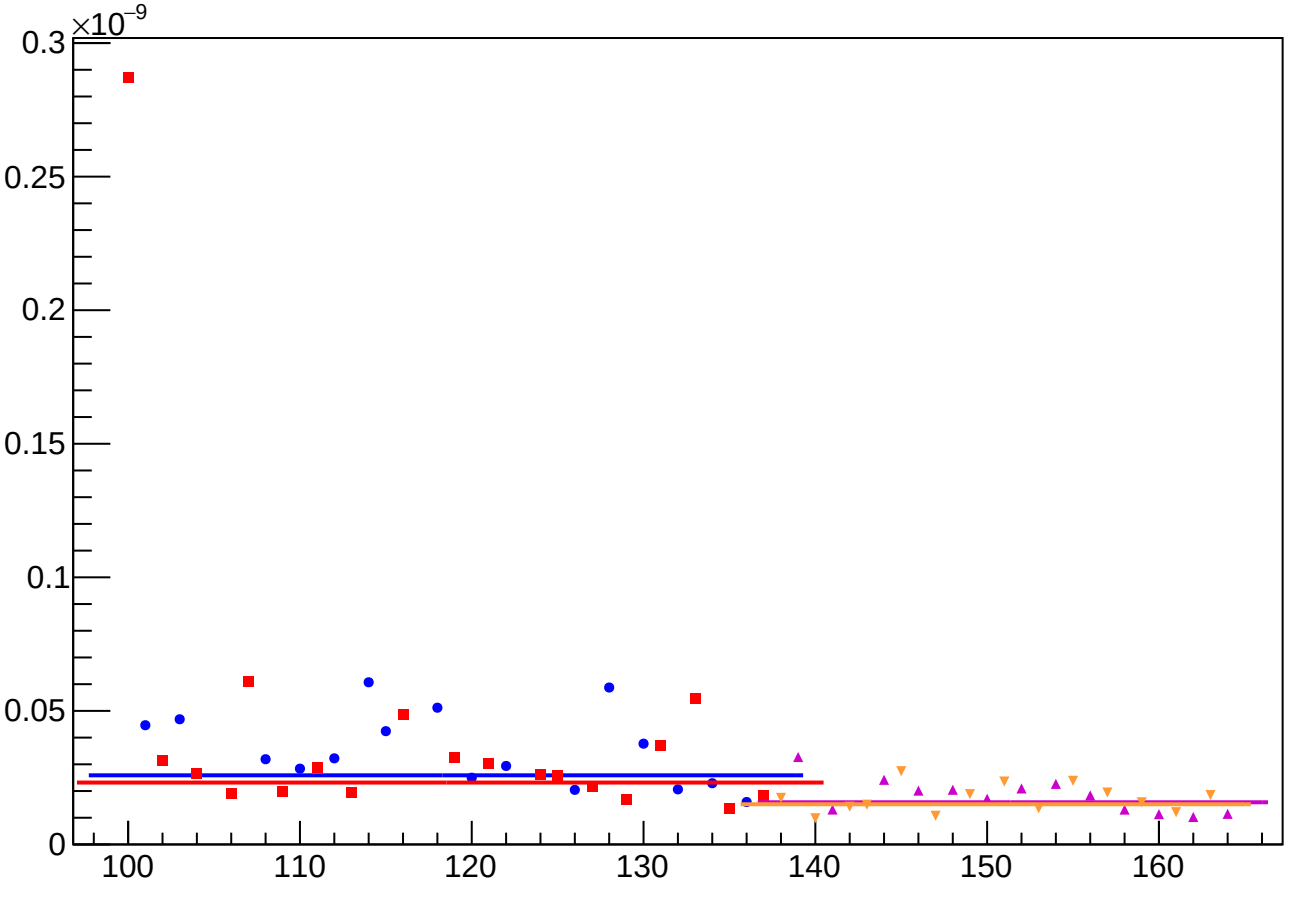
Left: -0.000+/-0.000 χ^2/NDF: 25.1/26

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:25.4/28

Out: 0.000+/-0.000 χ^2/NDF:35.3/32

All: 0.000+/-0.000 χ^2/NDF: 60.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:757891.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:917742.6/12

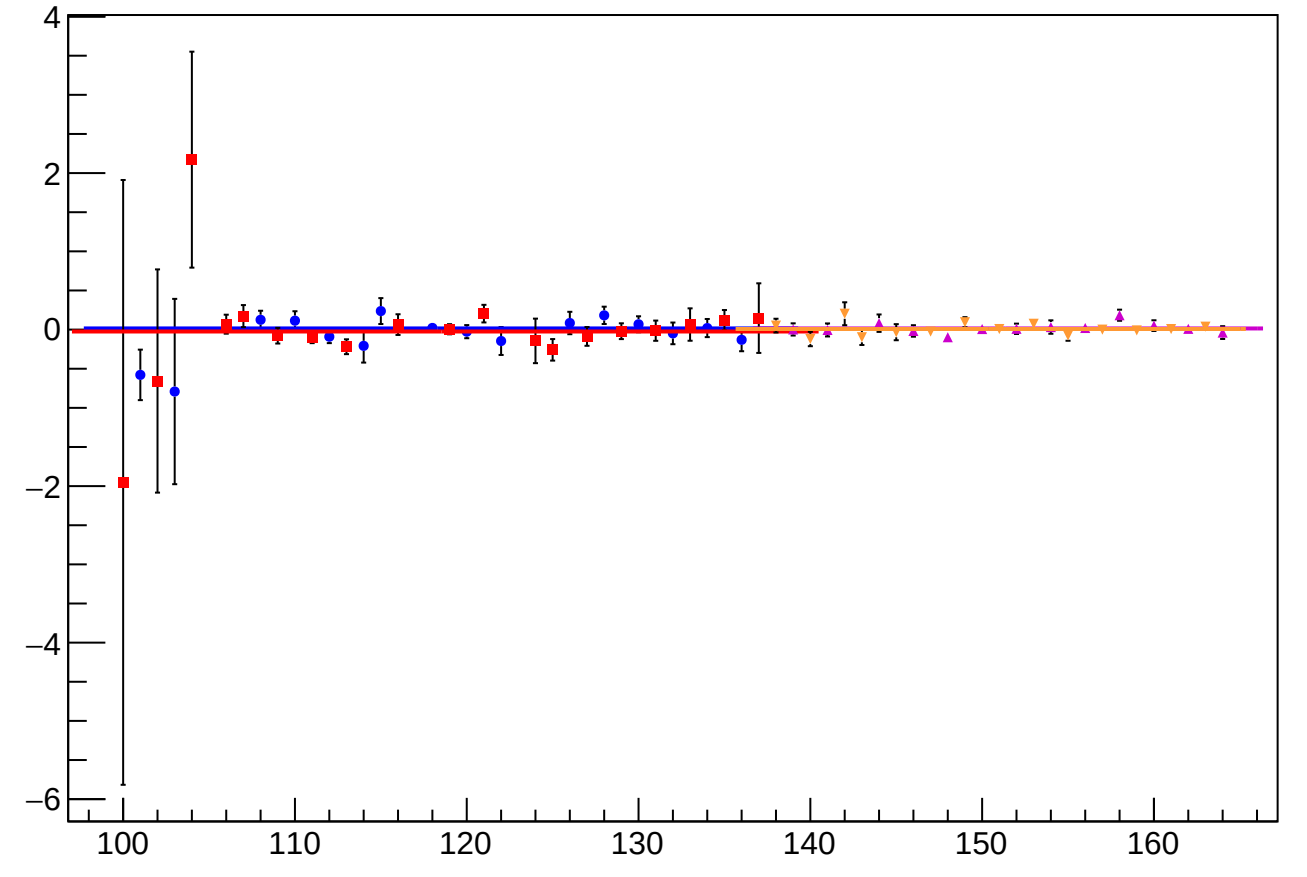
Left: 0.000+/-0.000 χ^2/NDF: 1684909.1/26

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:2368637.8/28

Out: 0.000+/-0.000 χ^2/NDF:1884279.0/32

All: 0.000+/-0.000 χ^2/NDF: 4276785.7/61



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.020 χ^2/NDF:10.2/12

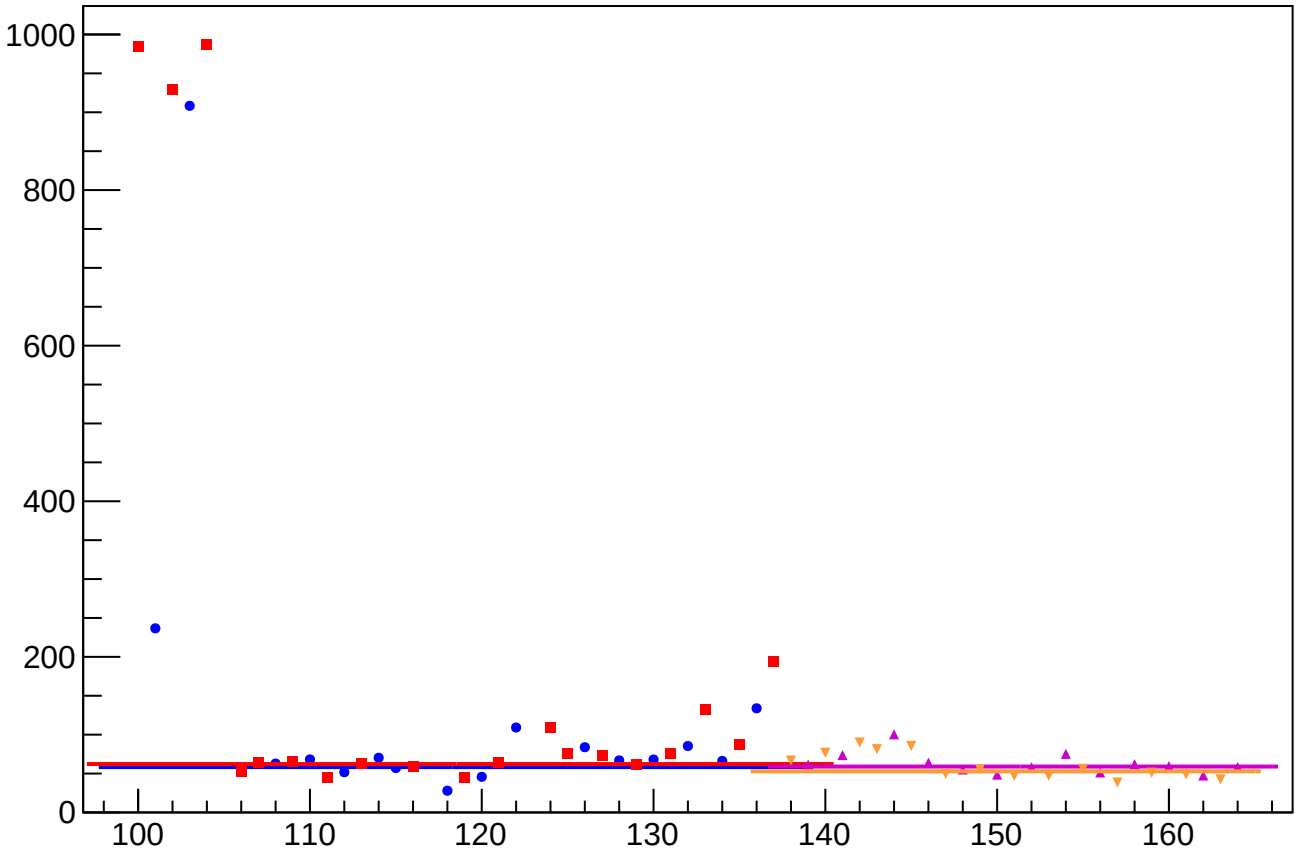
Left: 0.011+/-0.013 χ^2/NDF: 20.9/26

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.016 χ^2/NDF:25.2/28

Out: -0.002+/-0.015 χ^2/NDF:32.3/32

All: 0.006+/-0.011 χ^2/NDF: 58.1/61



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 52.844+/-0.013 χ^2/NDF:936287.1/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.996+/-0.014 χ^2/NDF:610343.2/12

Left: 55.702+/-0.009 χ^2/NDF: 1653163.8/26

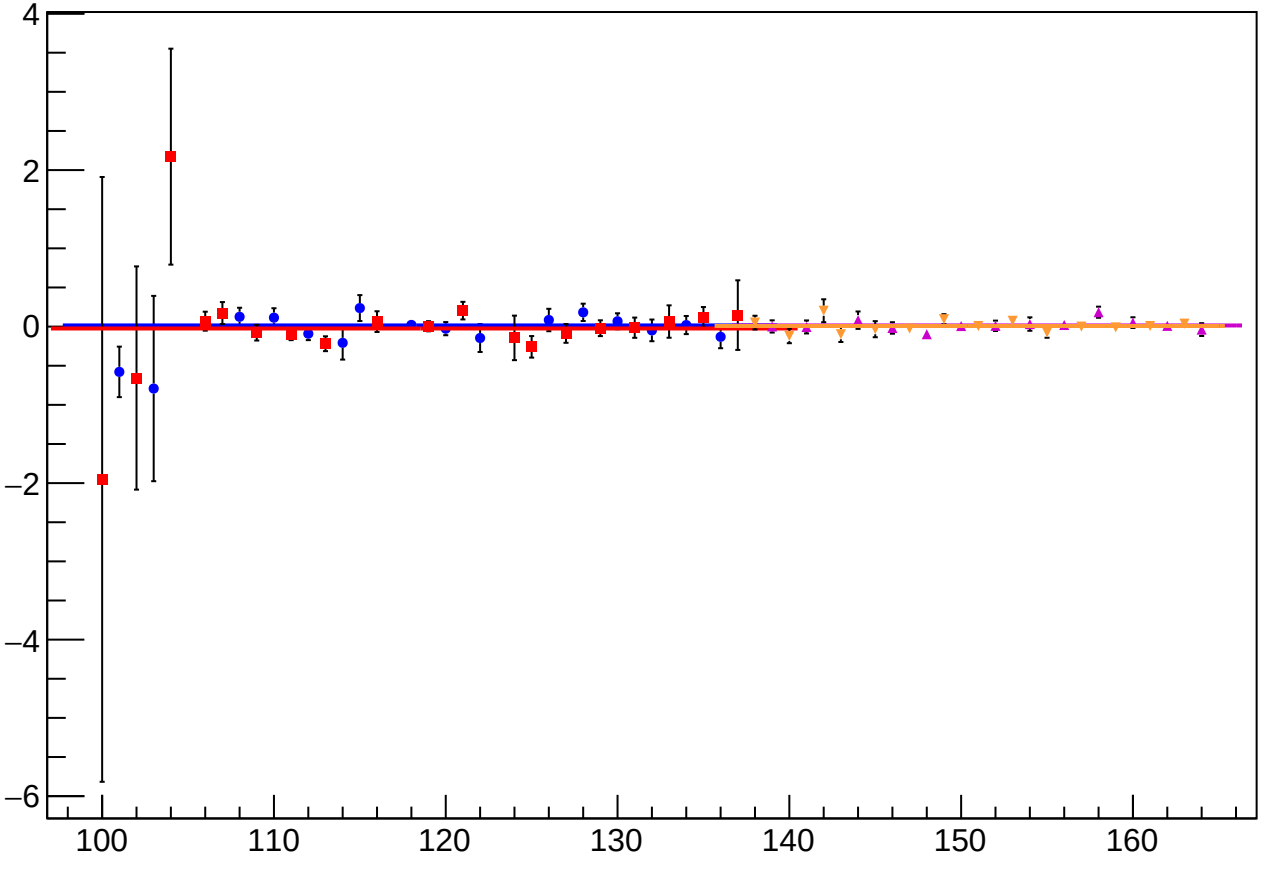
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.771+/-0.011 χ^2/NDF:3871554.8/28

Out: 55.622+/-0.011 χ^2/NDF:3721430.4/32

All: 57.123+/-0.008 χ^2/NDF: 7633656.7/61

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.020 χ^2/NDF:10.2/12

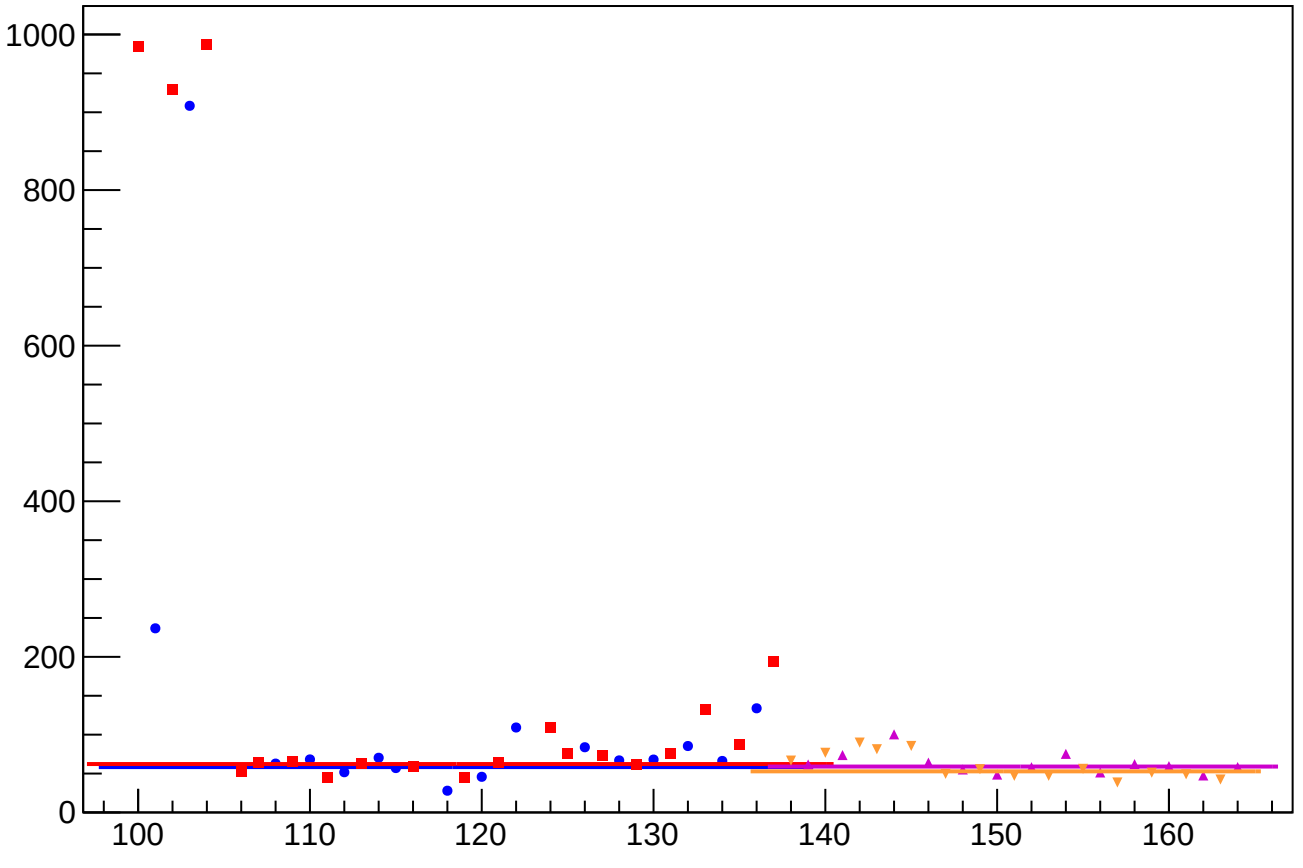
Left: 0.011+/-0.013 χ^2/NDF: 20.9/26

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.016 χ^2/NDF:25.2/28

Out: -0.002+/-0.015 χ^2/NDF:32.3/32

All: 0.006+/-0.011 χ^2/NDF: 58.1/61



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 52.844+/-0.013 χ^2/NDF:936287.1/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.996+/-0.014 χ^2/NDF:610343.2/12

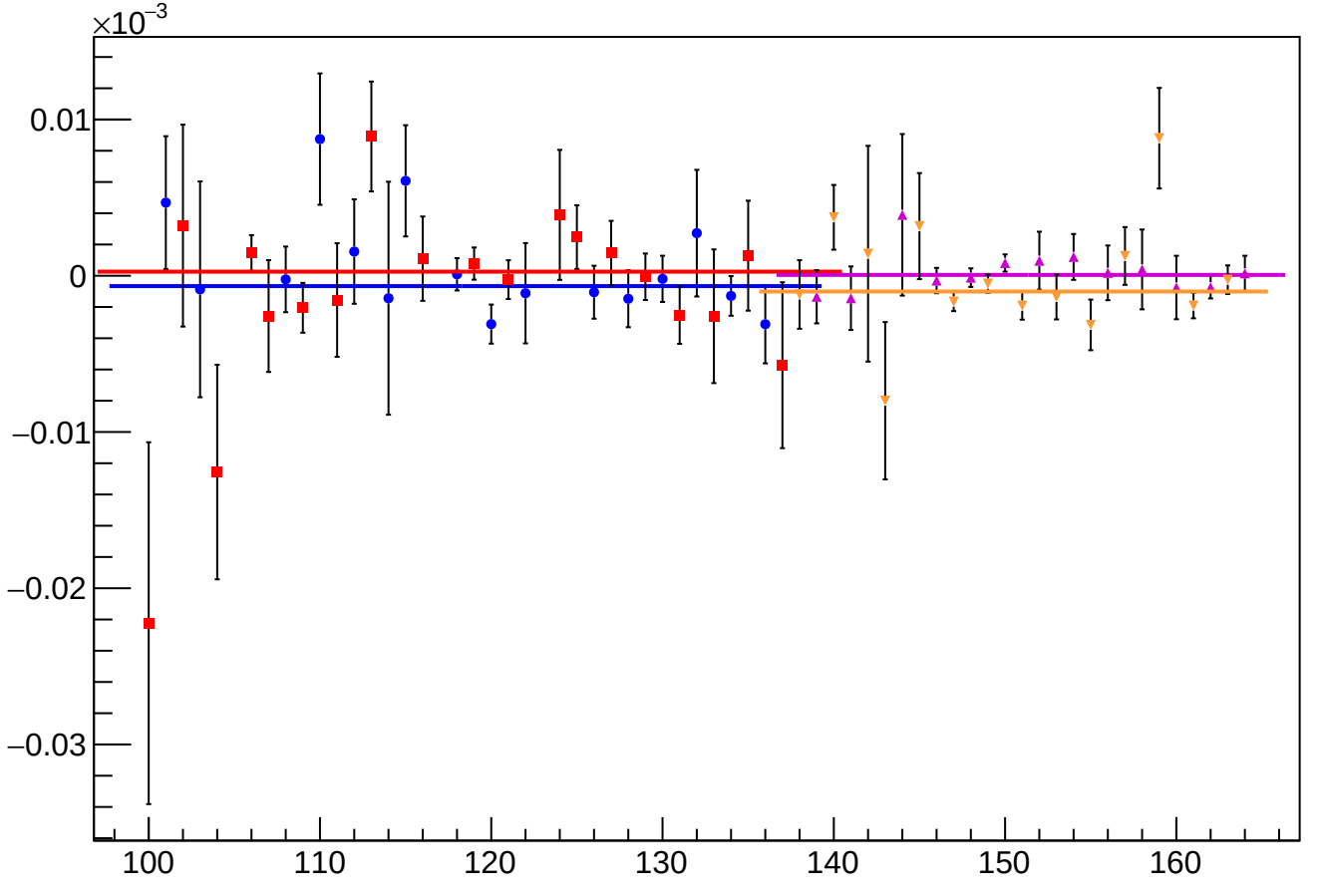
Left: 55.702+/-0.009 χ^2/NDF: 1653163.8/26

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.771+/-0.011 χ^2/NDF:3871554.8/28

Out: 55.622+/-0.011 χ^2/NDF:3721430.4/32

All: 57.123+/-0.008 χ^2/NDF: 7633656.7/61



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/12

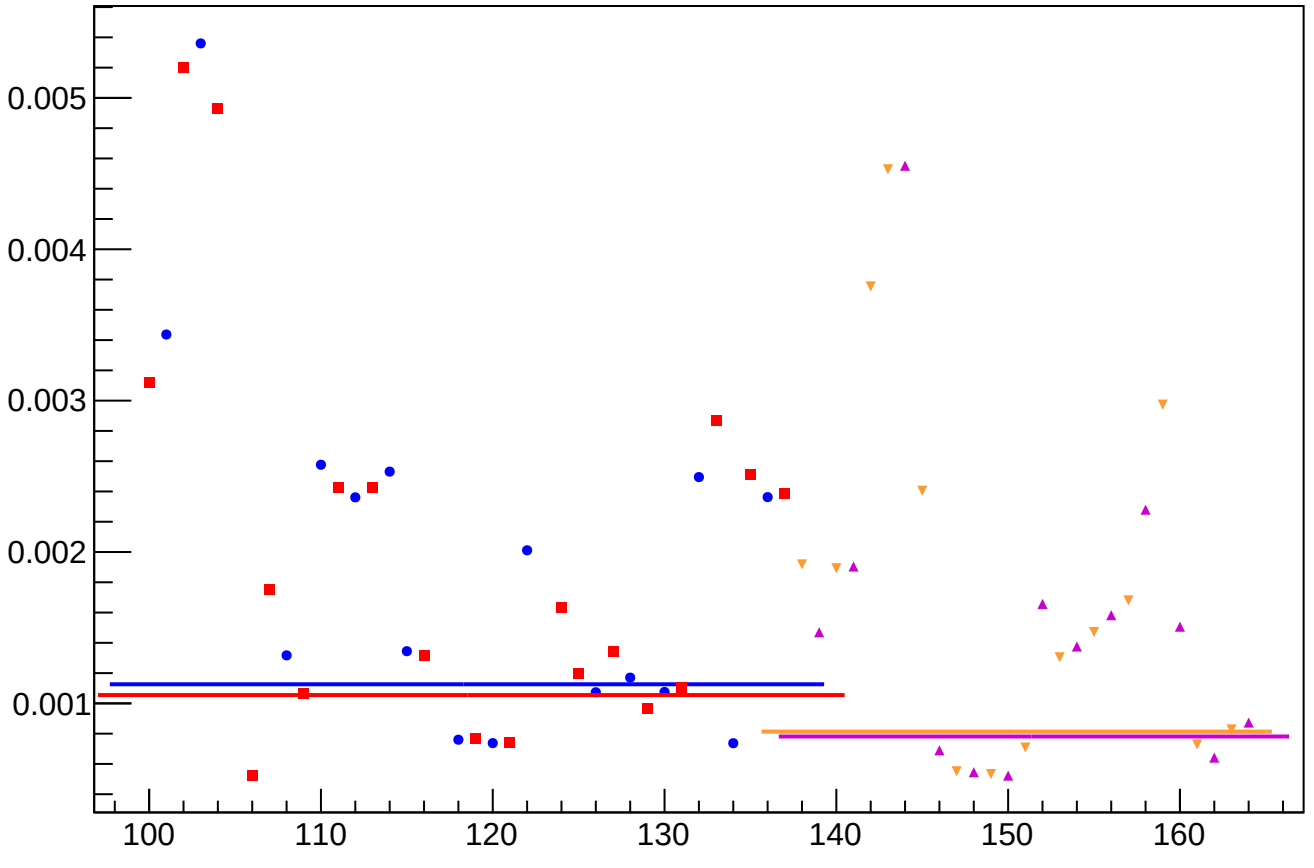
Left: -0.000+/-0.000 χ^2/NDF: 39.2/26

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:25.0/28

Out: -0.000+/-0.000 χ^2/NDF:56.1/32

All: -0.000+/-0.000 χ^2/NDF: 83.4/61



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:5729504.9/13

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:5002338.3/12

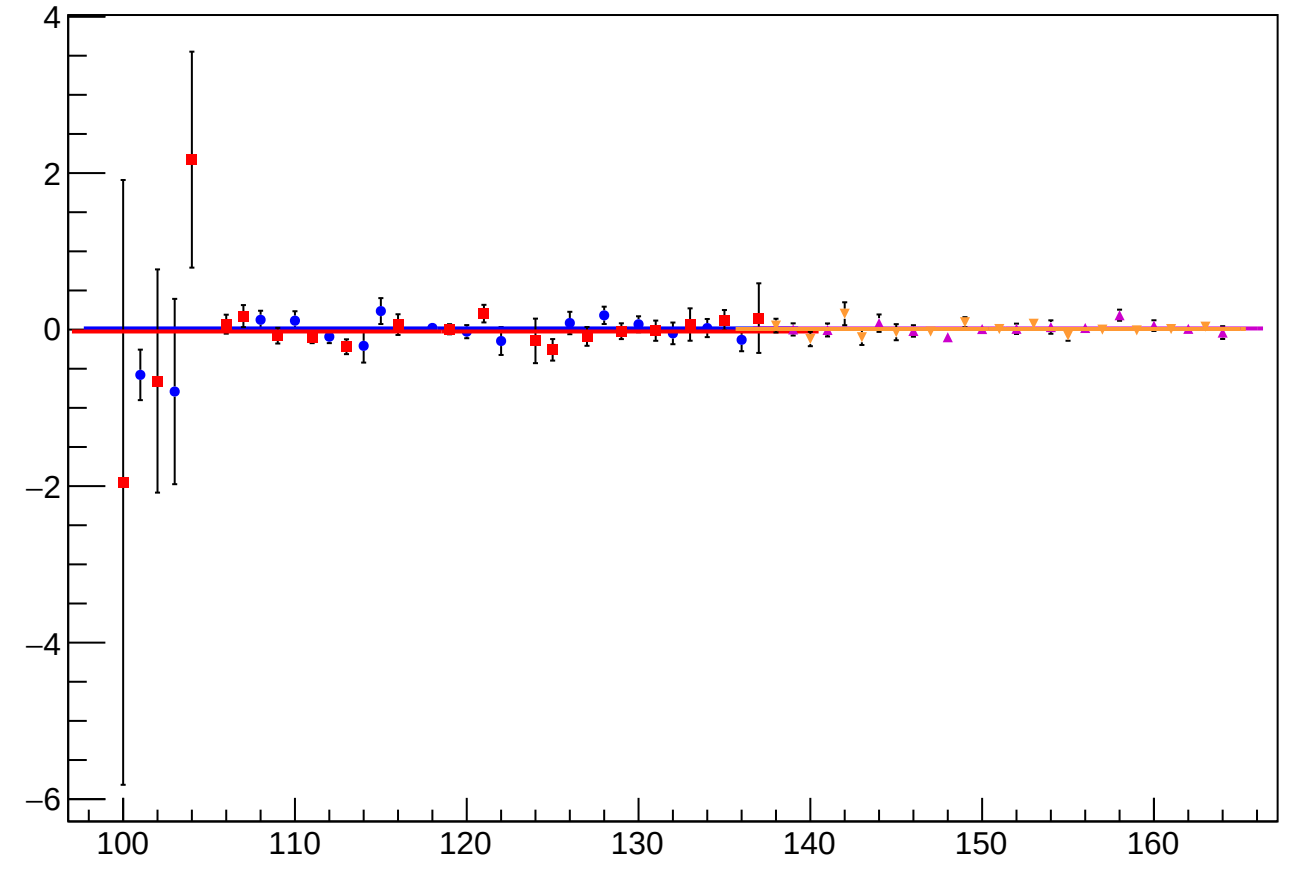
Left: 0.001+/-0.000 χ^2/NDF: 10744374.2/26

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:9198249.7/28

Out: 0.001+/-0.000 χ^2/NDF:9961935.8/32

All: 0.001+/-0.000 χ^2/NDF: 19164120.3/61



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.015+/-0.020 χ^2/NDF:10.2/12

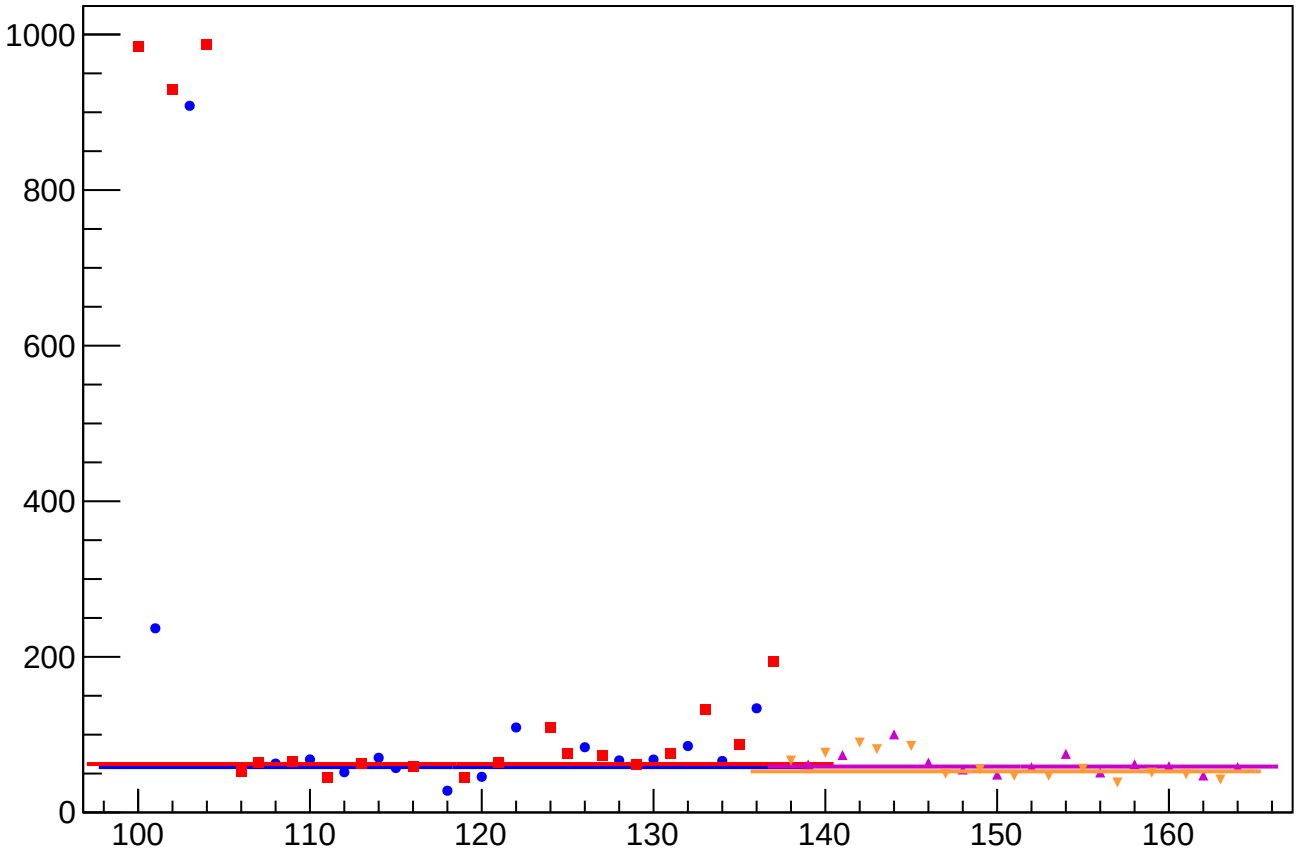
Left: 0.011+/-0.013 χ^2/NDF: 20.9/26

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.015+/-0.016 χ^2/NDF:25.2/28

Out: -0.002+/-0.015 χ^2/NDF:32.3/32

All: 0.006+/-0.011 χ^2/NDF: 58.1/61



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 52.844+/-0.013 χ^2/NDF:936336.4/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.995+/-0.014 χ^2/NDF:610366.5/12

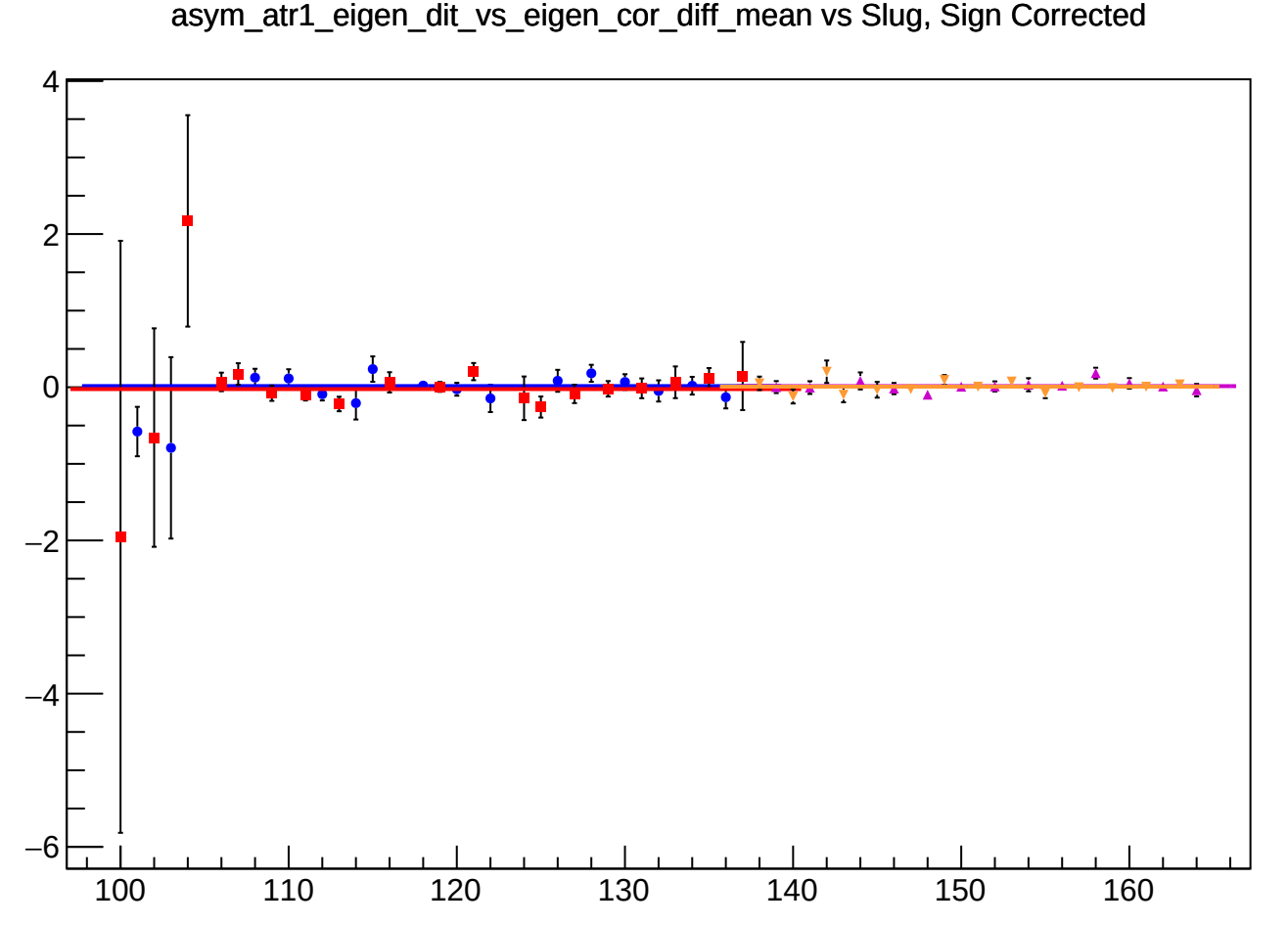
Left: 55.701+/-0.009 χ^2/NDF: 1653261.8/26

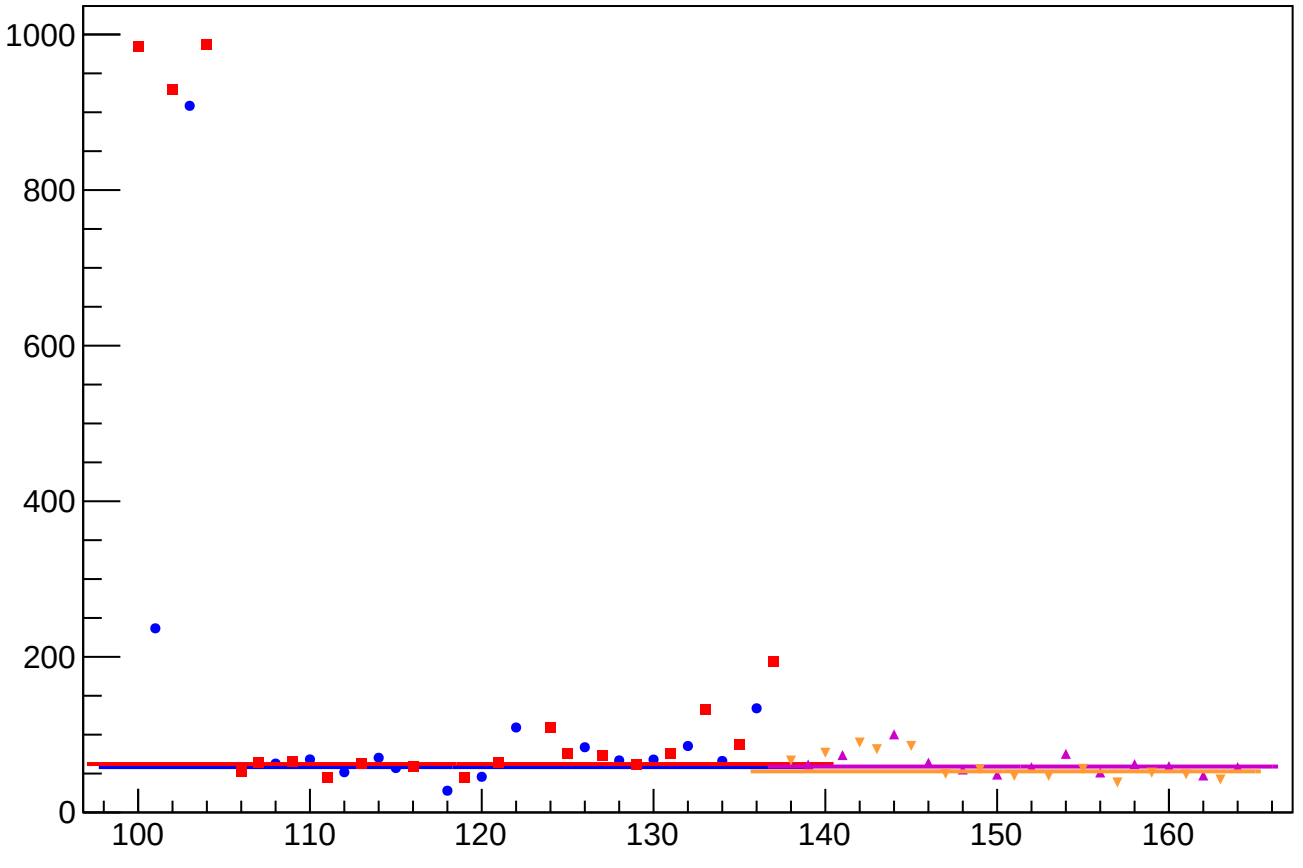
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.770+/-0.011 χ^2/NDF:3871659.9/28

Out: 55.622+/-0.011 χ^2/NDF:3721492.1/32

All: 57.123+/-0.008 χ^2/NDF: 7633831.4/61


asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: 0.008+/-0.018 χ²/NDF:10.6/13
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: 0.015+/-0.020 χ²/NDF:10.2/12
Left: 0.011+/-0.013 χ²/NDF: 20.9/26
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: 0.015+/-0.016 χ²/NDF:25.2/28
Out: -0.002+/-0.015 χ²/NDF:32.3/32
All: 0.006+/-0.011 χ²/NDF: 58.1/61



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 52.844+/-0.013 χ^2/NDF:936336.4/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.995+/-0.014 χ^2/NDF:610366.5/12

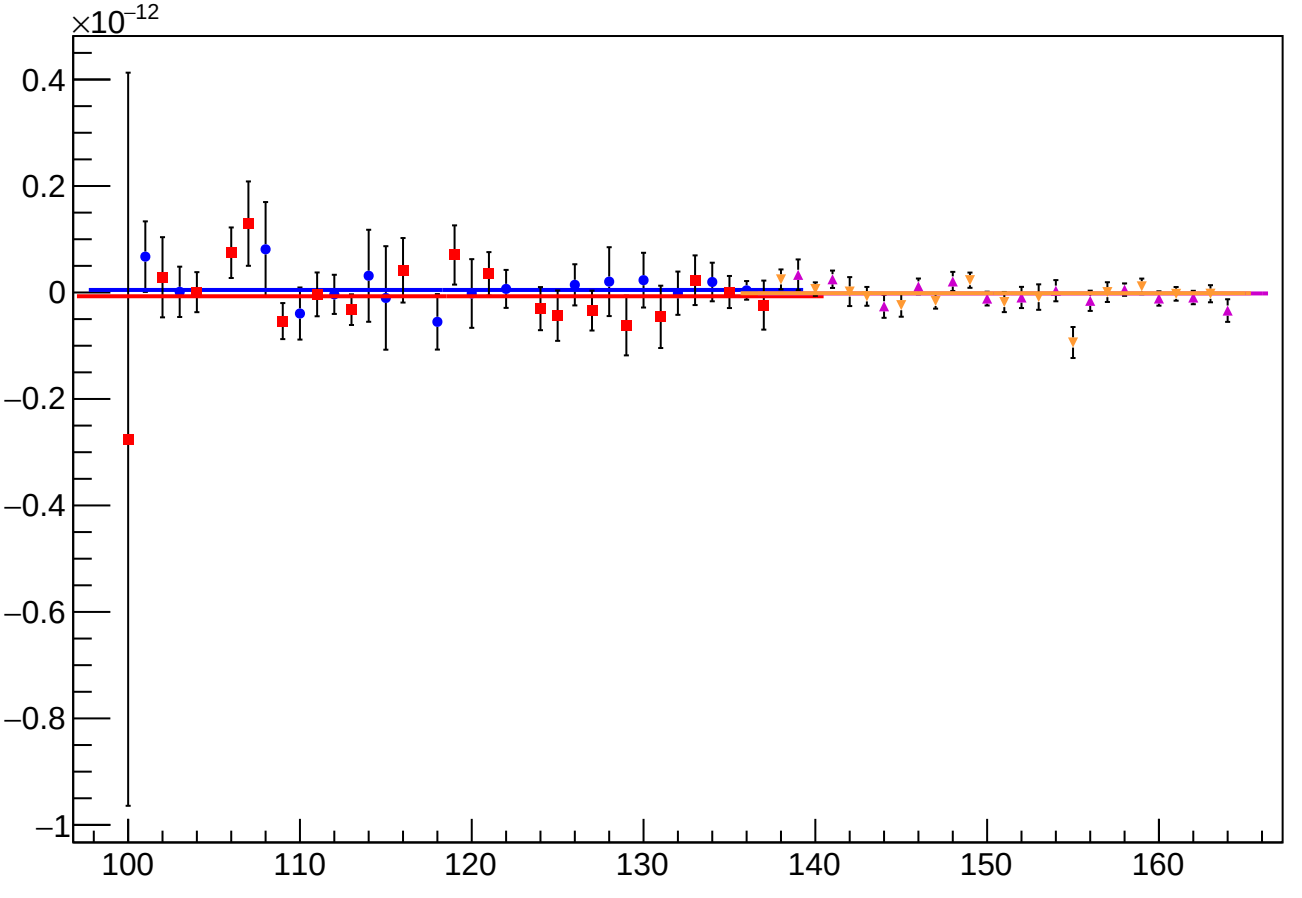
Left: 55.701+/-0.009 χ^2/NDF: 1653261.8/26

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.770+/-0.011 χ^2/NDF:3871659.9/28

Out: 55.622+/-0.011 χ^2/NDF:3721492.1/32

All: 57.123+/-0.008 χ^2/NDF: 7633831.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/12

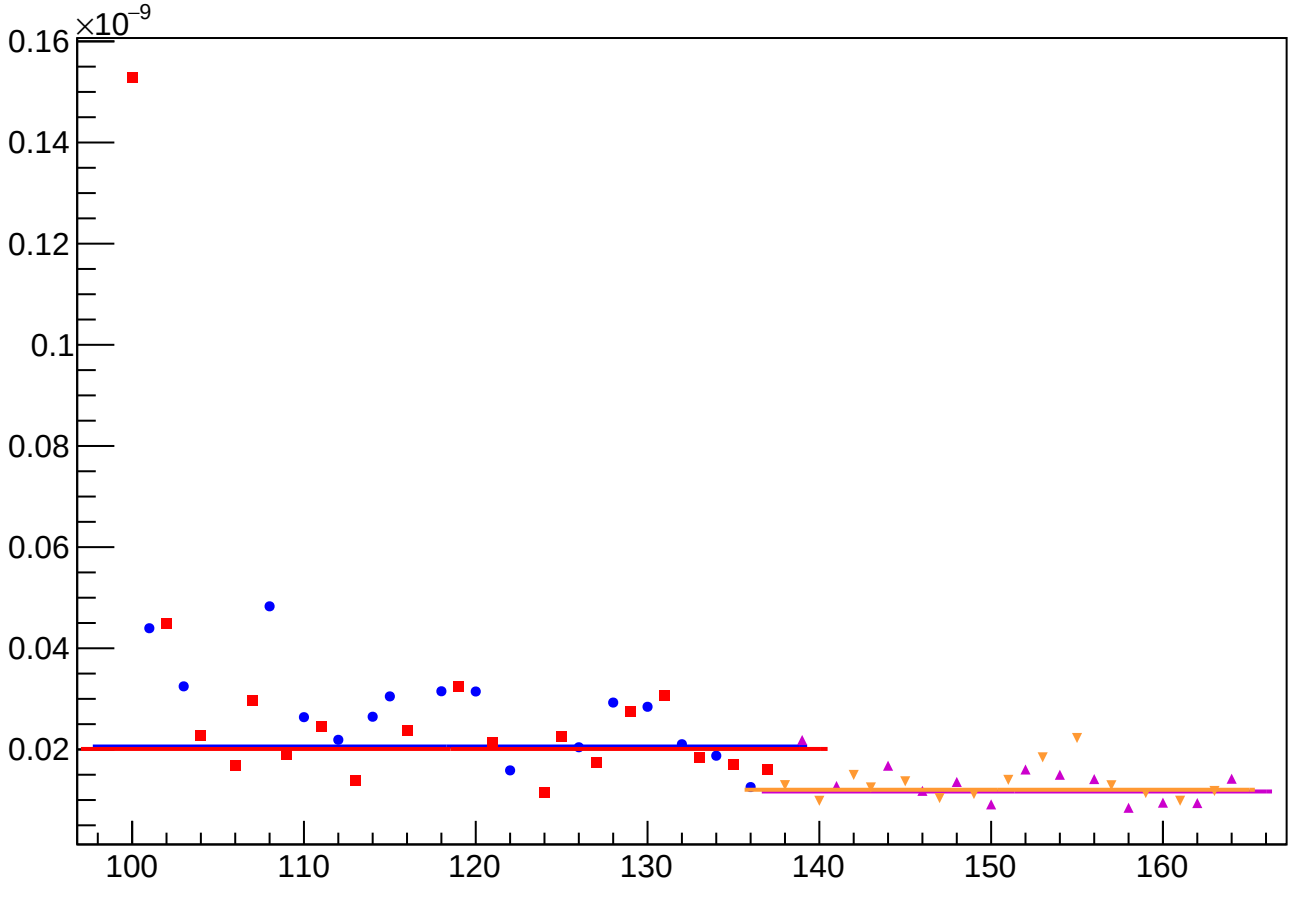
Left: -0.000+/-0.000 χ^2/NDF: 31.7/26

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: -0.000+/-0.000 χ^2/NDF:17.3/28

Out: -0.000+/-0.000 χ^2/NDF:35.6/32

All: -0.000+/-0.000 χ^2/NDF: 52.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:611336.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:951276.0/12

Left: 0.000+/-0.000 χ^2/NDF: 1568381.8/26

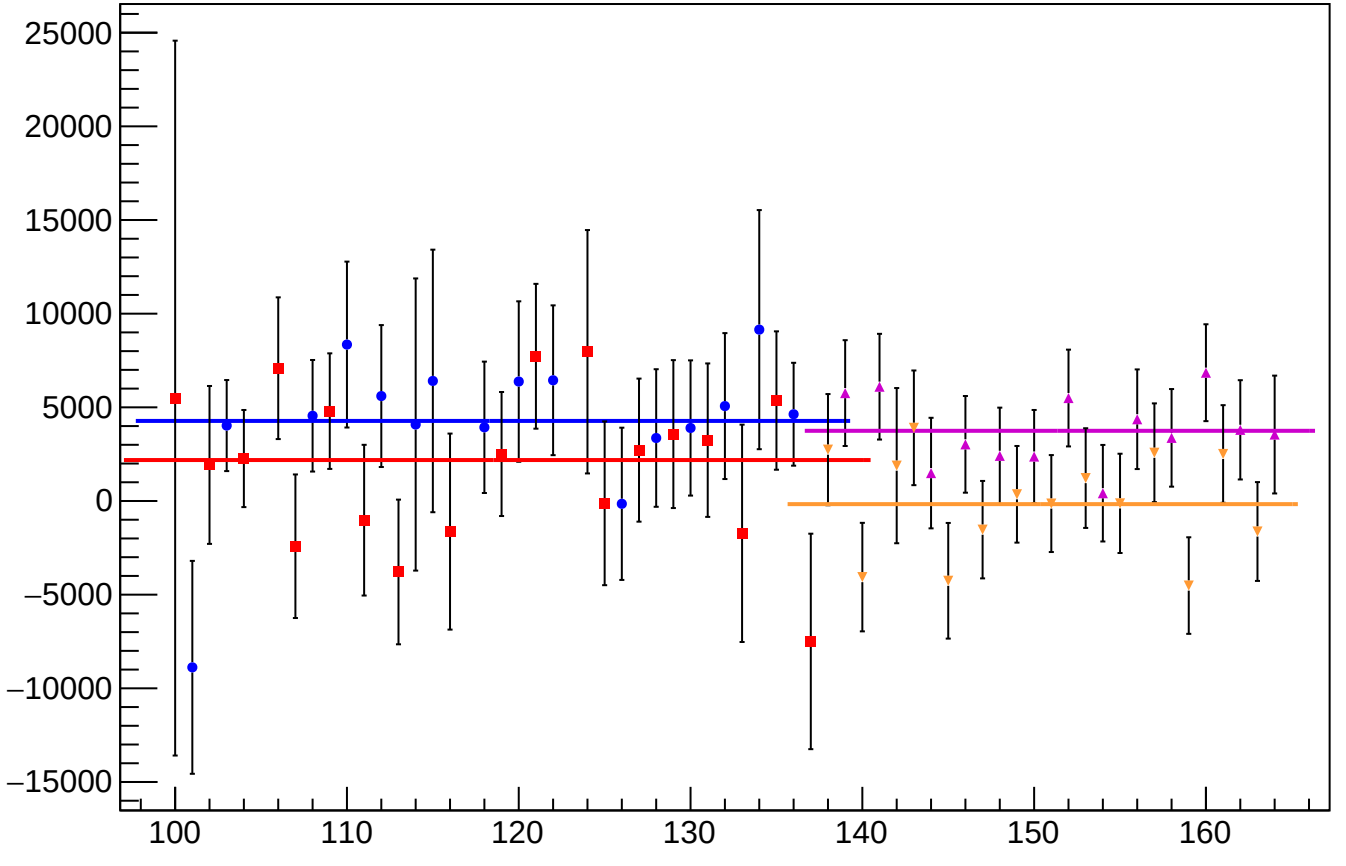
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3533808.8/28

Out: 0.000+/-0.000 χ^2/NDF:2482367.0/32

All: 0.000+/-0.000 χ^2/NDF: 6020339.3/61

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -167.309+/-741.411 χ^2/NDF:12.4/13

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3747.074+/-743.107 χ^2/NDF:6.1/12

Left: 1785.408+/-524.855 χ^2/NDF: 32.4/26

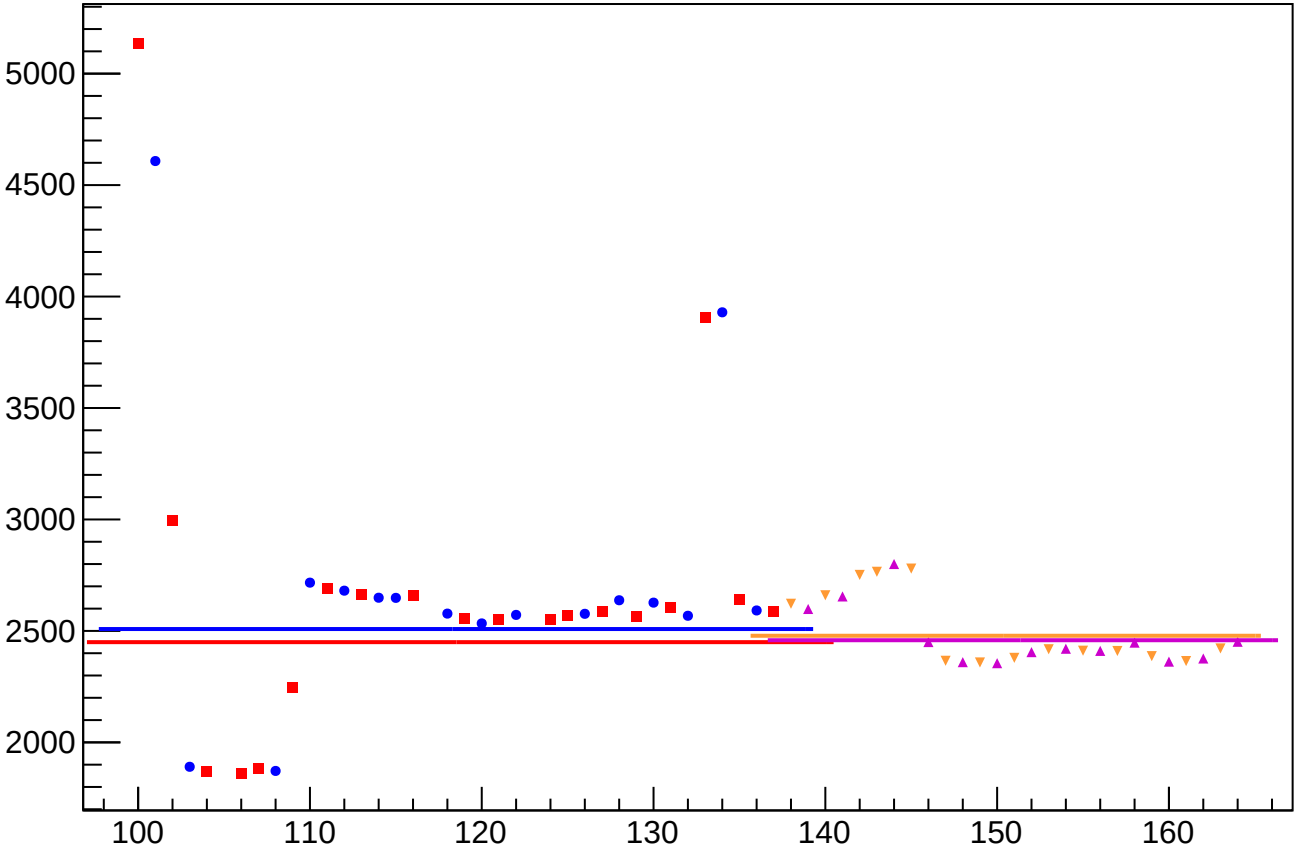
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3946.734+/-585.768 χ^2/NDF:15.2/28

Out: 756.810+/-577.803 χ^2/NDF:31.2/32

All: 2329.937+/-411.356 χ^2/NDF: 61.4/61

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2478.362+/-0.524 χ^2/NDF:79733.1/13

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2458.236+/-0.525 χ^2/NDF:54483.6/12

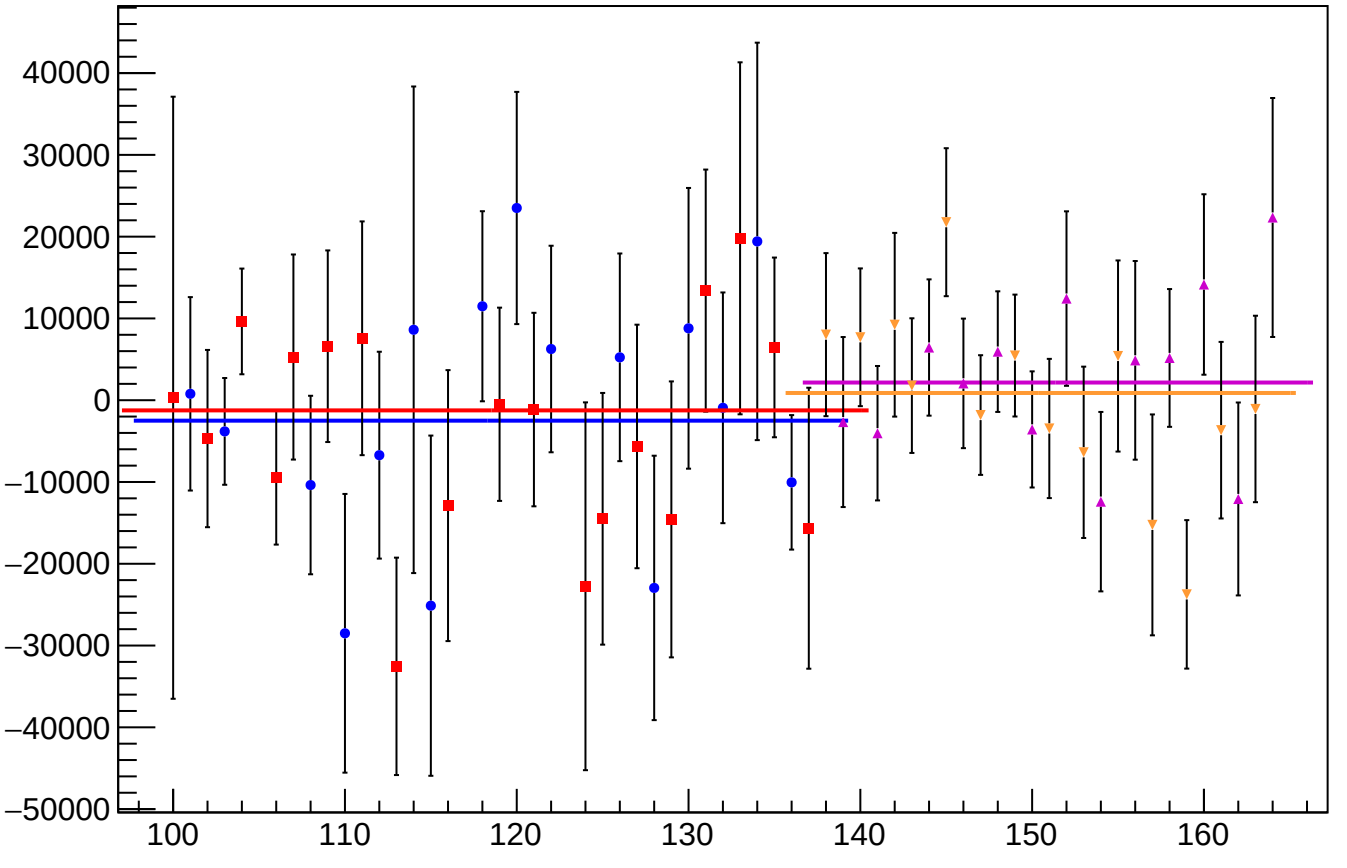
Left: 2468.322+/-0.371 χ^2/NDF: 134951.9/26

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2477.255+/-0.414 χ^2/NDF:669533.2/28

Out: 2467.078+/-0.409 χ^2/NDF:517814.1/32

All: 2472.097+/-0.291 χ^2/NDF: 1187653.3/61



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 885.107+/-2501.076 χ^2/NDF:17.5/13

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 2161.531+/-2576.346 χ^2/NDF:9.4/12

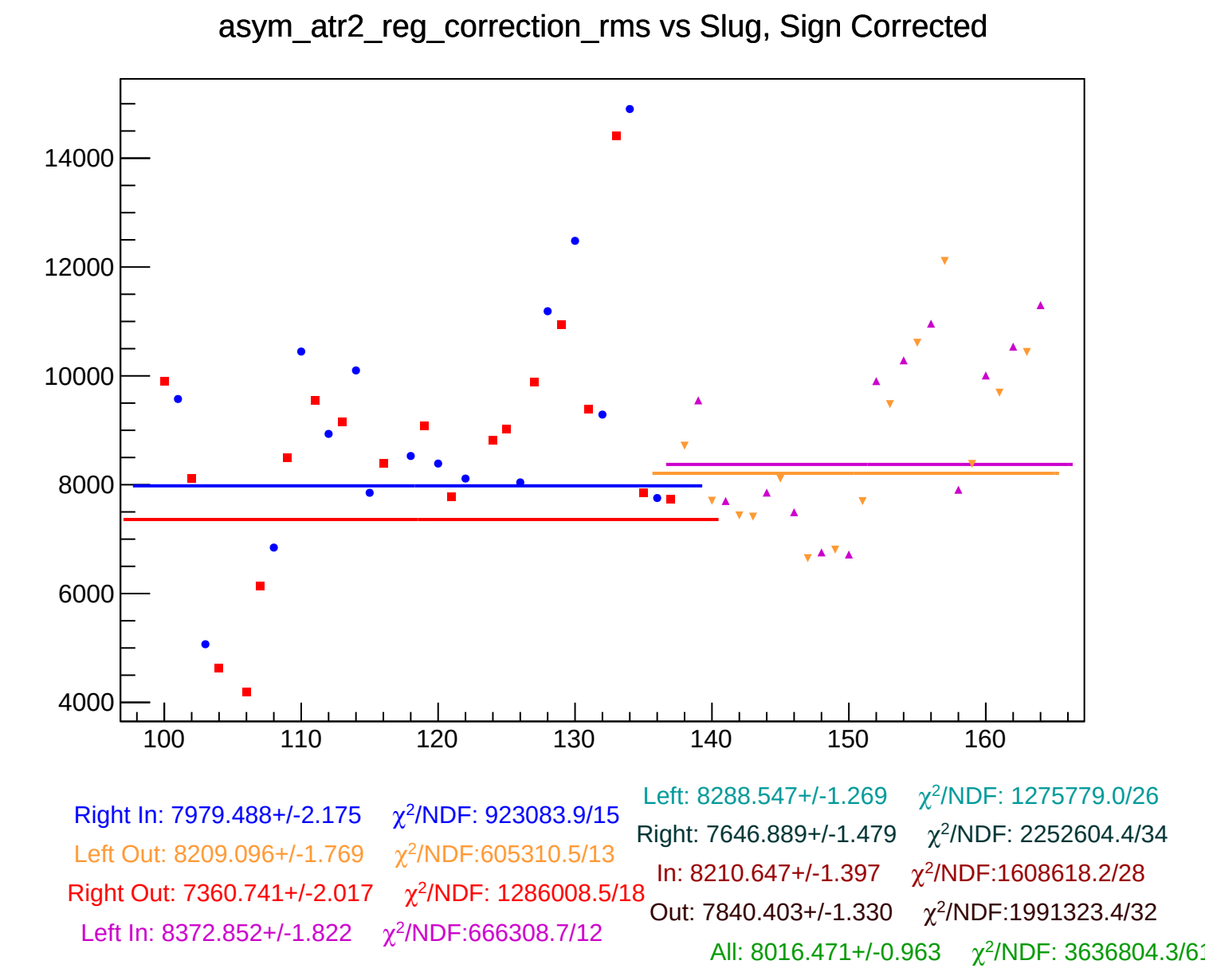
Left: 1504.400+/-1794.548 χ^2/NDF: 27.0/26

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

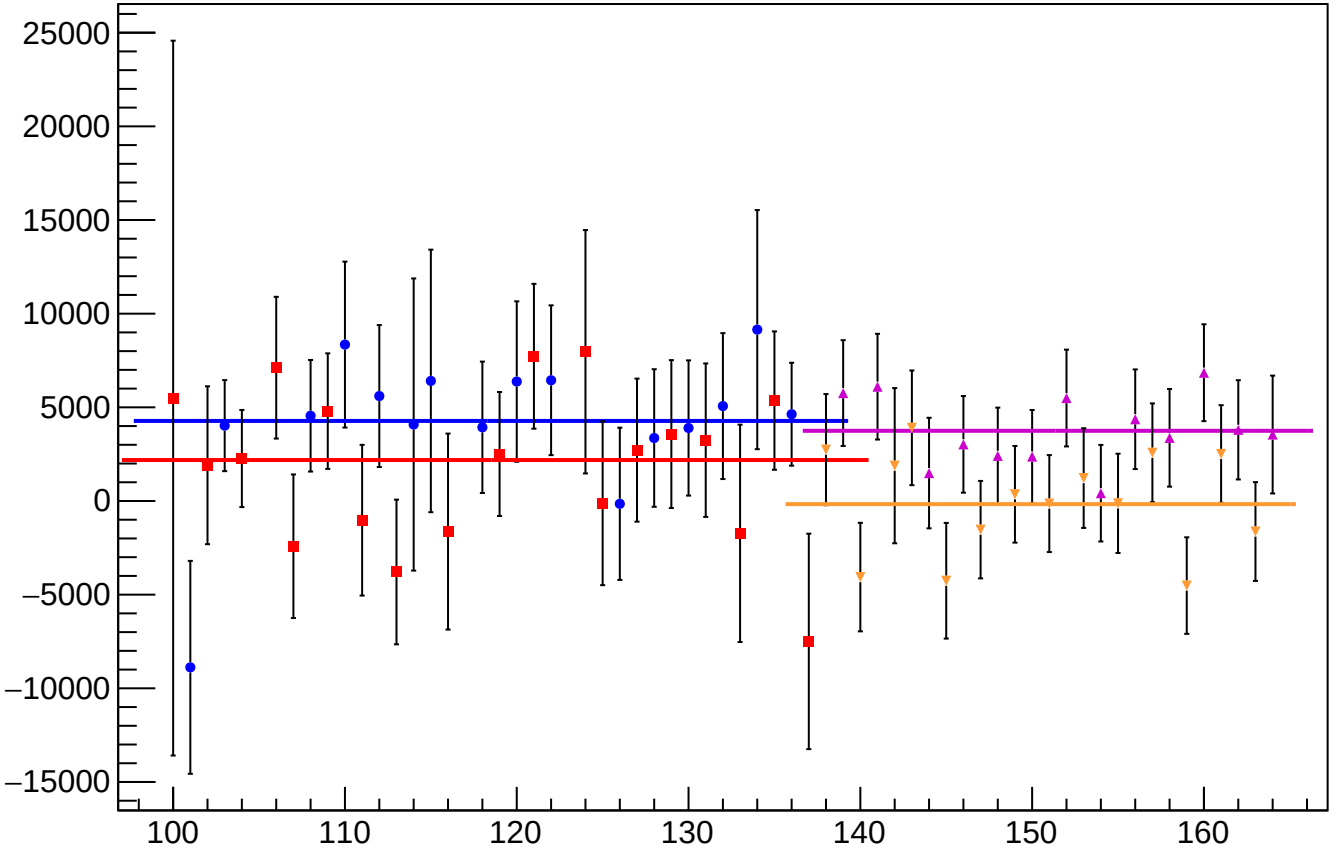
In: 239.081+/-1974.977 χ^2/NDF:24.5/28

Out: -40.351+/-1880.640 χ^2/NDF:34.4/32

All: 92.532+/-1361.943 χ^2/NDF: 58.8/61


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8209.096+/-1.769 χ²/NDF:605310.5/13
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8372.852+/-1.822 χ²/NDF:666308.7/12
Left: 8288.547+/-1.269 χ²/NDF: 1275779.0/26
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 8210.647+/-1.397 χ²/NDF:1608618.2/28
Out: 7840.403+/-1.330 χ²/NDF:1991323.4/32
All: 8016.471+/-0.963 χ²/NDF: 3636804.3/61

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -167.588+/-741.411 χ^2/NDF:12.4/13

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3747.073+/-743.107 χ^2/NDF:6.1/12

Left: 1785.268+/-524.855 χ^2/NDF: 32.4/26

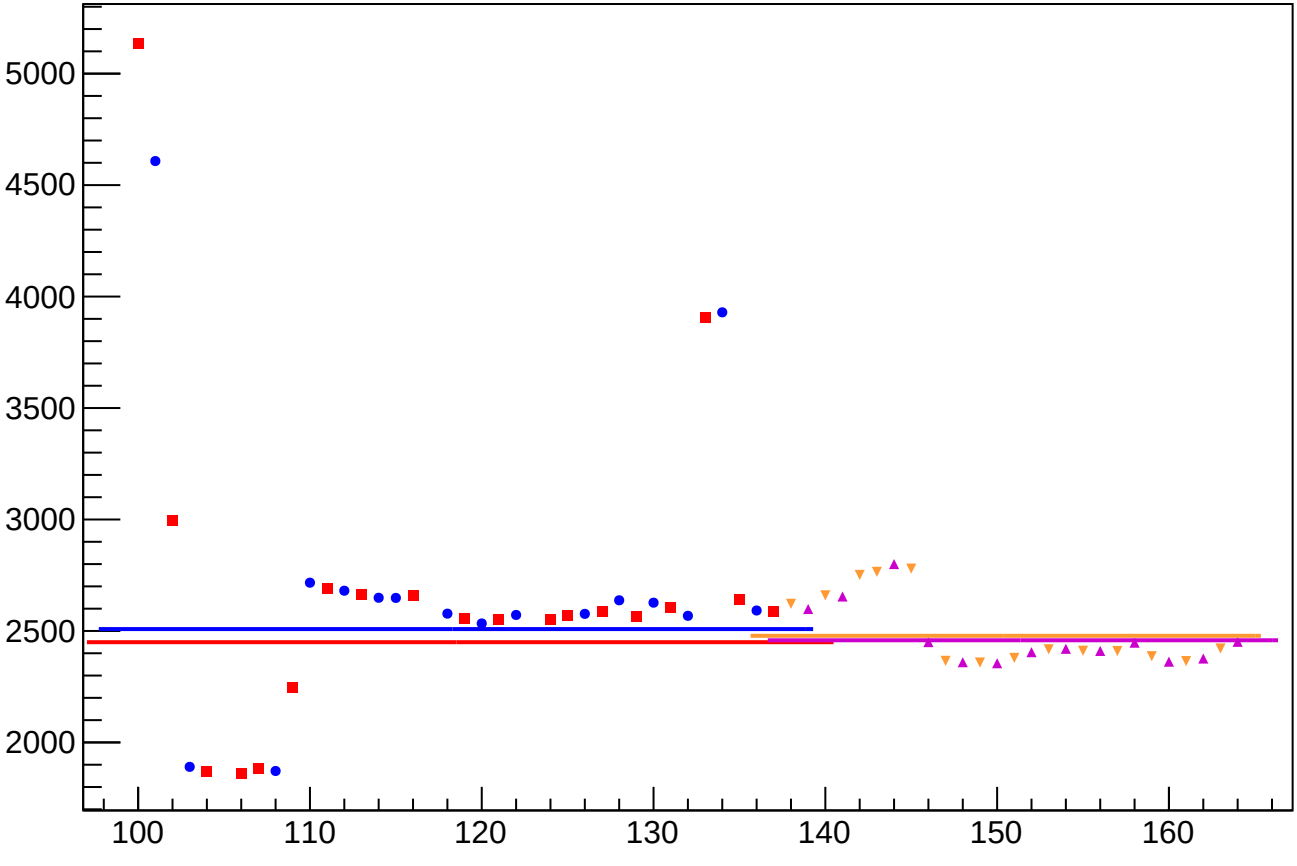
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3946.548+/-585.768 χ^2/NDF:15.2/28

Out: 756.876+/-577.805 χ^2/NDF:31.2/32

All: 2329.884+/-411.356 χ^2/NDF: 61.4/61

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2478.362+/-0.524 χ^2/NDF:79733.1/13

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2458.236+/-0.525 χ^2/NDF:54483.5/12

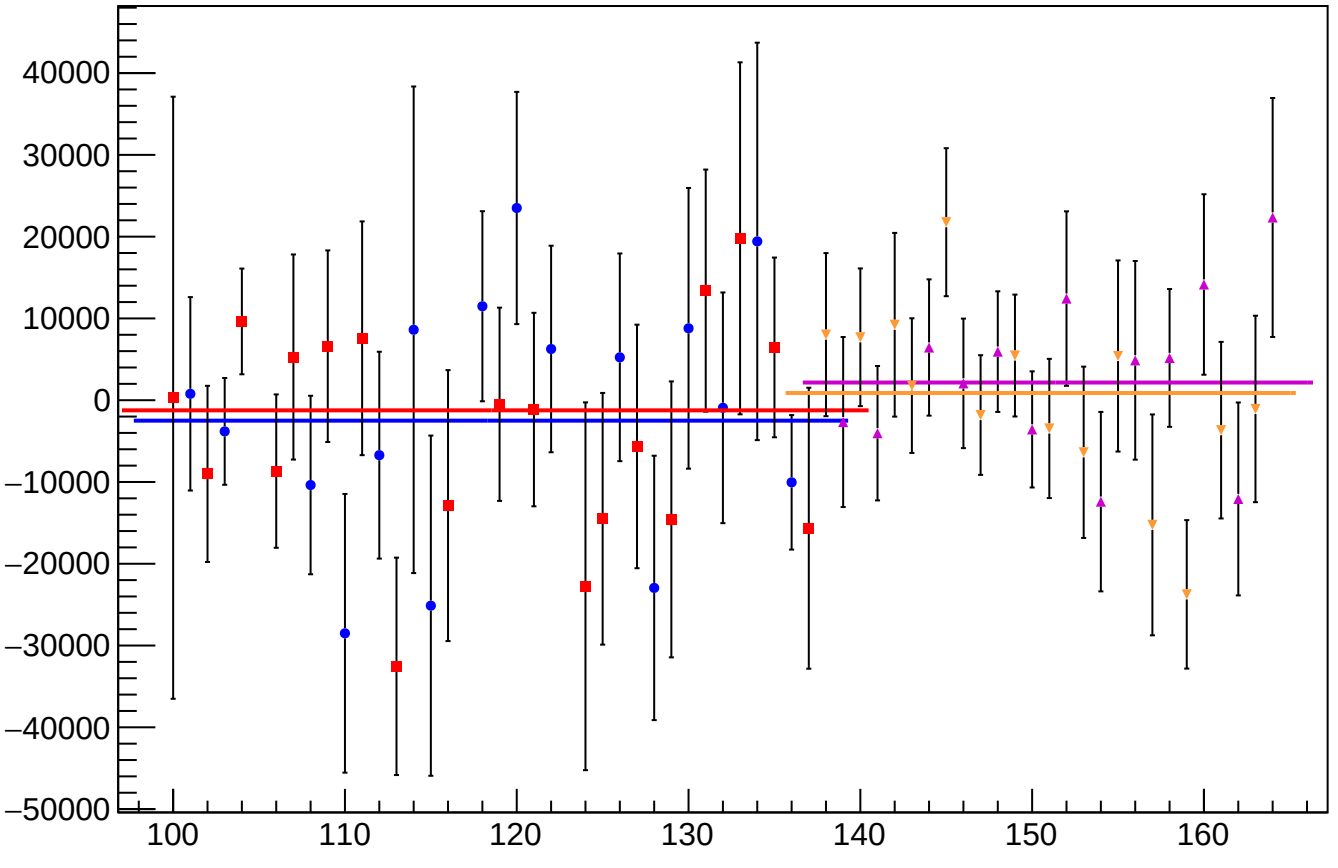
Left: 2468.322+/-0.371 χ^2/NDF: 134951.8/26

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2477.255+/-0.414 χ^2/NDF:669531.2/28

Out: 2467.087+/-0.409 χ^2/NDF:517757.7/32

All: 2472.102+/-0.291 χ^2/NDF: 1187594.3/61



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 885.076+/-2501.072 χ^2/NDF:17.5/13

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 2161.654+/-2576.347 χ^2/NDF:9.4/12

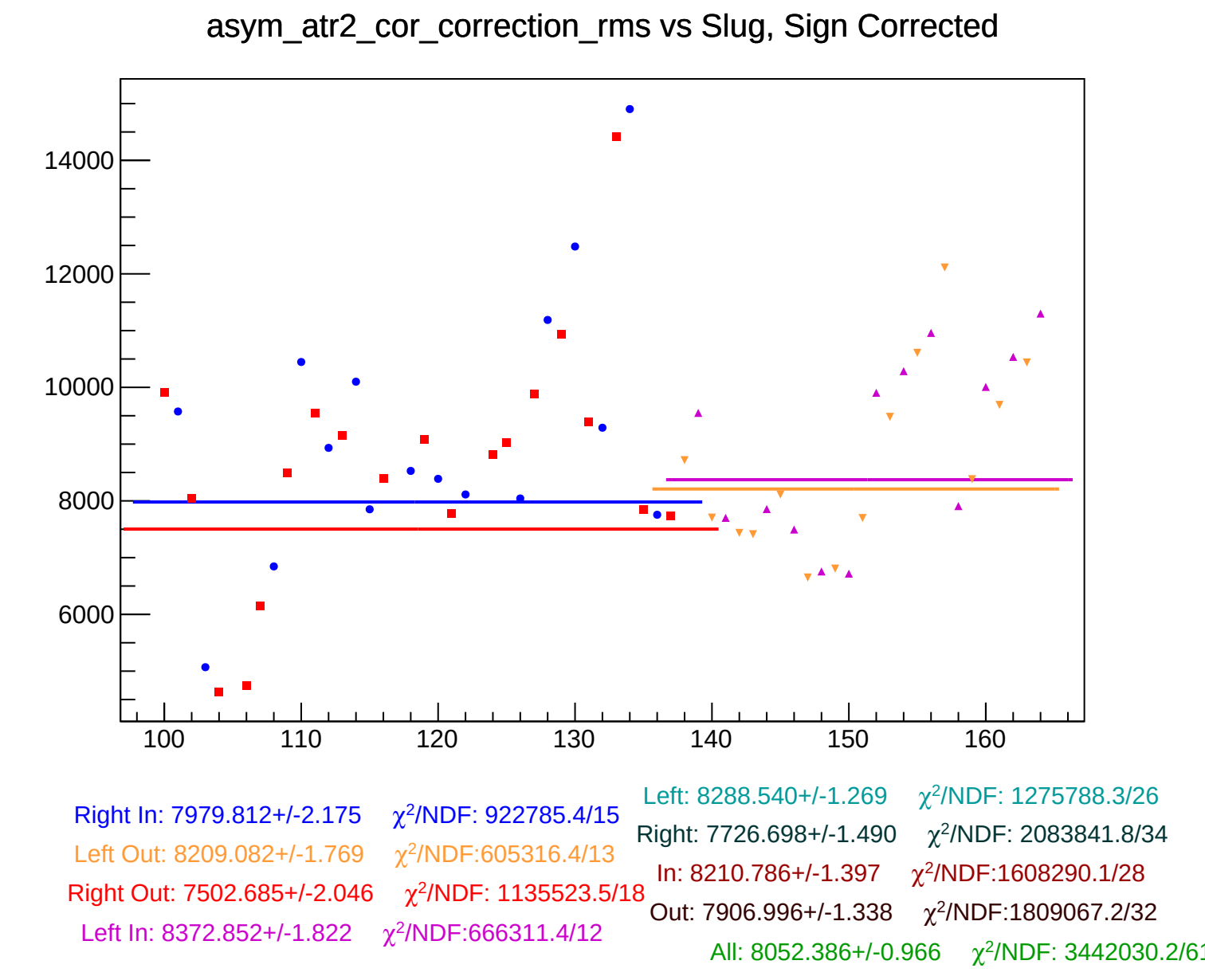
Left: 1504.443+/-1794.547 χ^2/NDF: 27.0/26

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: 239.310+/-1975.001 χ^2/NDF:24.5/28

Out: -23.656+/-1892.166 χ^2/NDF:34.4/32

All: 102.197+/-1366.309 χ^2/NDF: 58.9/61


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
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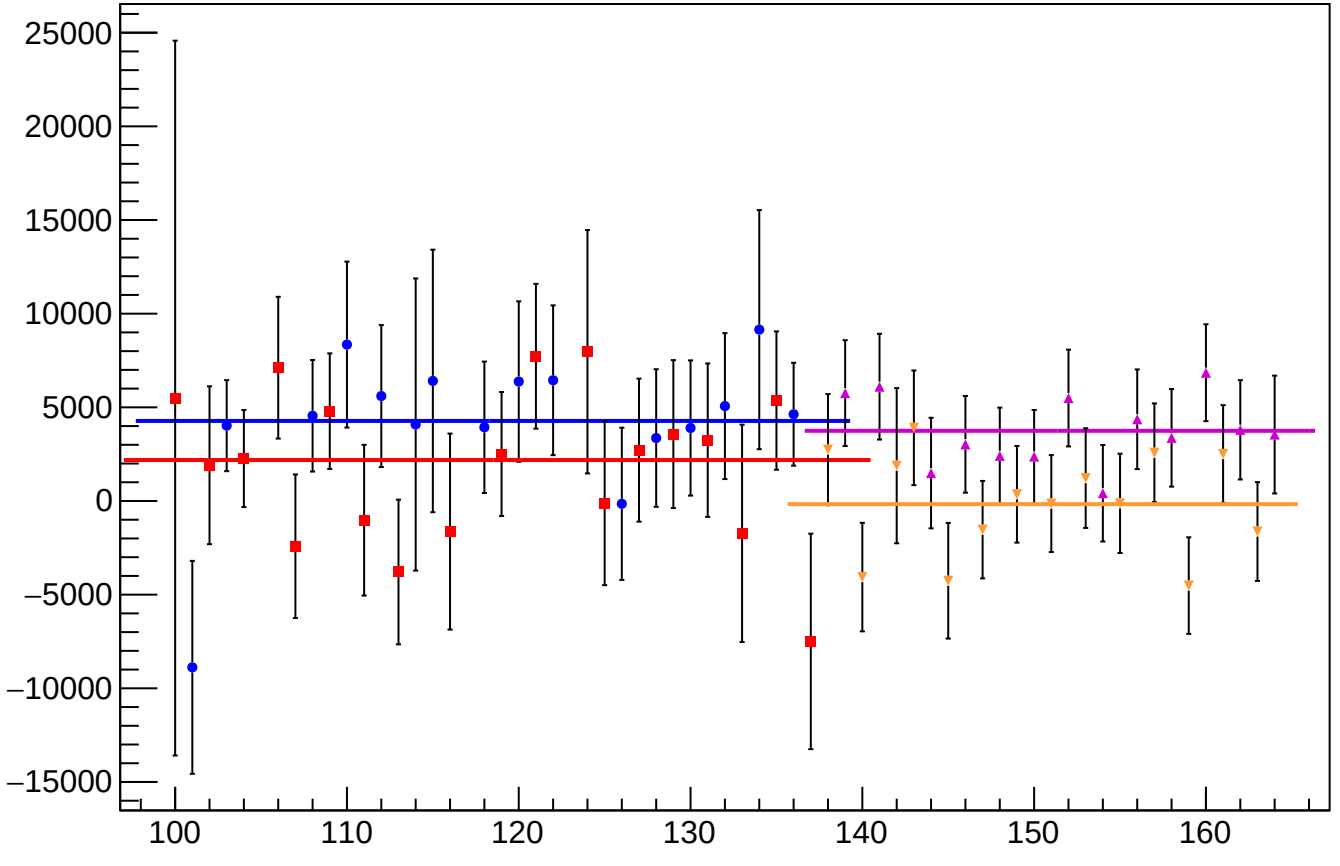
120
130
140
150
160
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8209.082+/-1.769 χ²/NDF:605316.4/13
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8372.852+/-1.822 χ²/NDF:666311.4/12
Left: 8288.540+/-1.269 χ²/NDF: 1275788.3/26
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8210.786+/-1.397 χ²/NDF:1608290.1/28
Out: 7906.996+/-1.338 χ²/NDF:1809067.2/32
All: 8052.386+/-0.966 χ²/NDF: 3442030.2/61

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -167.588+/-741.411 χ^2/NDF:12.4/13

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3747.073+/-743.107 χ^2/NDF:6.1/12

Left: 1785.268+/-524.855 χ^2/NDF: 32.4/26

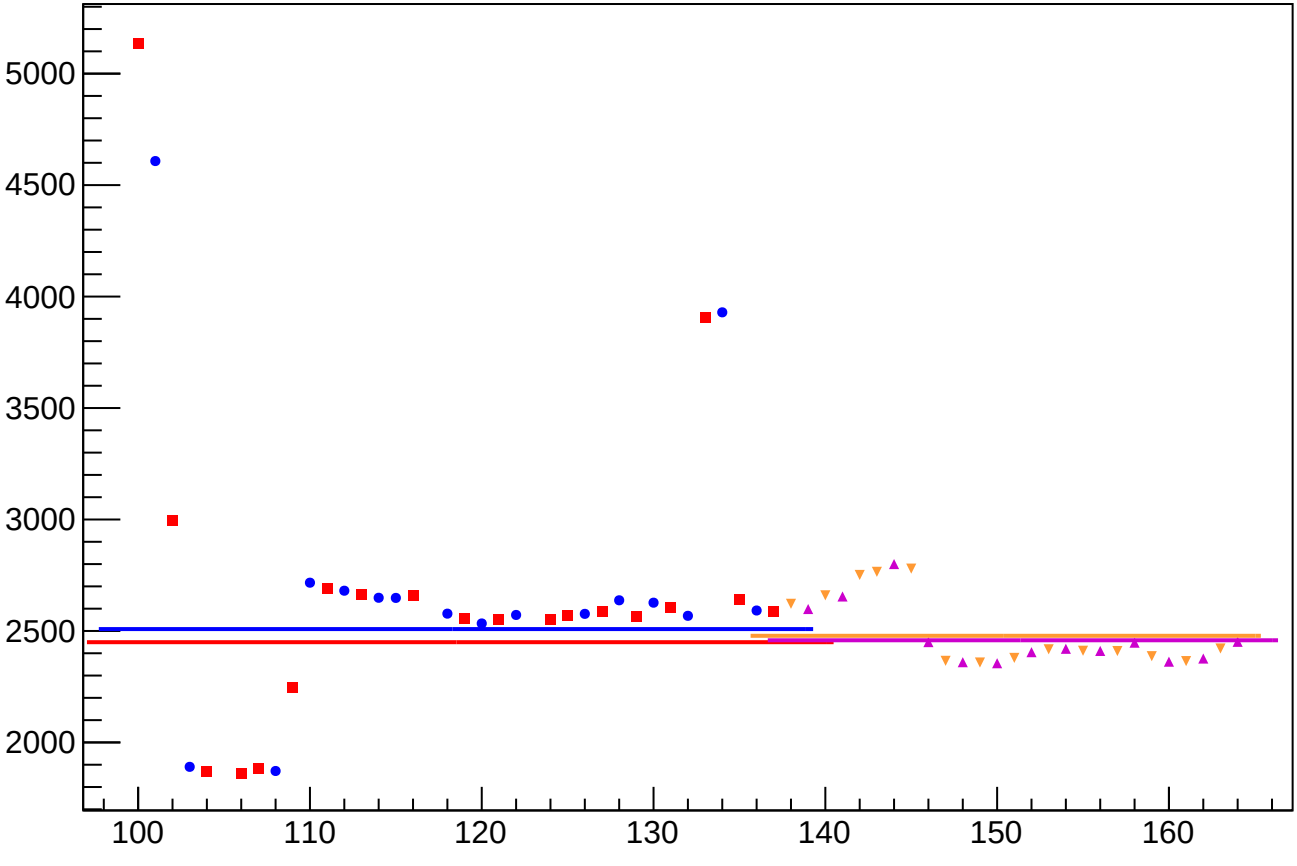
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3946.548+/-585.768 χ^2/NDF:15.2/28

Out: 756.876+/-577.805 χ^2/NDF:31.2/32

All: 2329.884+/-411.356 χ^2/NDF: 61.4/61

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2478.362+/-0.524 χ^2/NDF:79733.1/13

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2458.236+/-0.525 χ^2/NDF:54483.5/12

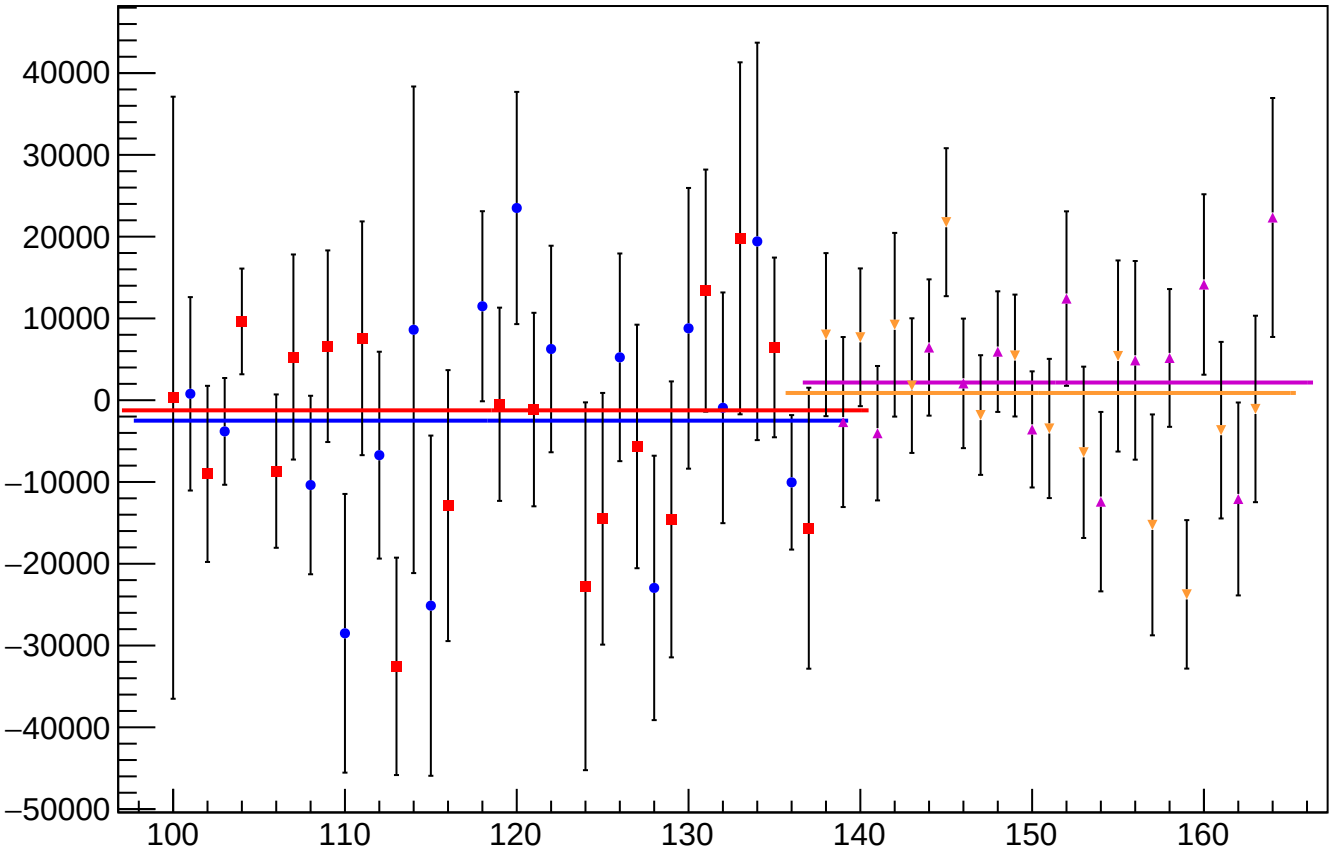
Left: 2468.322+/-0.371 χ^2/NDF: 134951.8/26

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2477.255+/-0.414 χ^2/NDF:669531.2/28

Out: 2467.087+/-0.409 χ^2/NDF:517757.7/32

All: 2472.102+/-0.291 χ^2/NDF: 1187594.3/61



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 885.076+/-2501.072 χ^2/NDF:17.5/13

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 2161.654+/-2576.347 χ^2/NDF:9.4/12

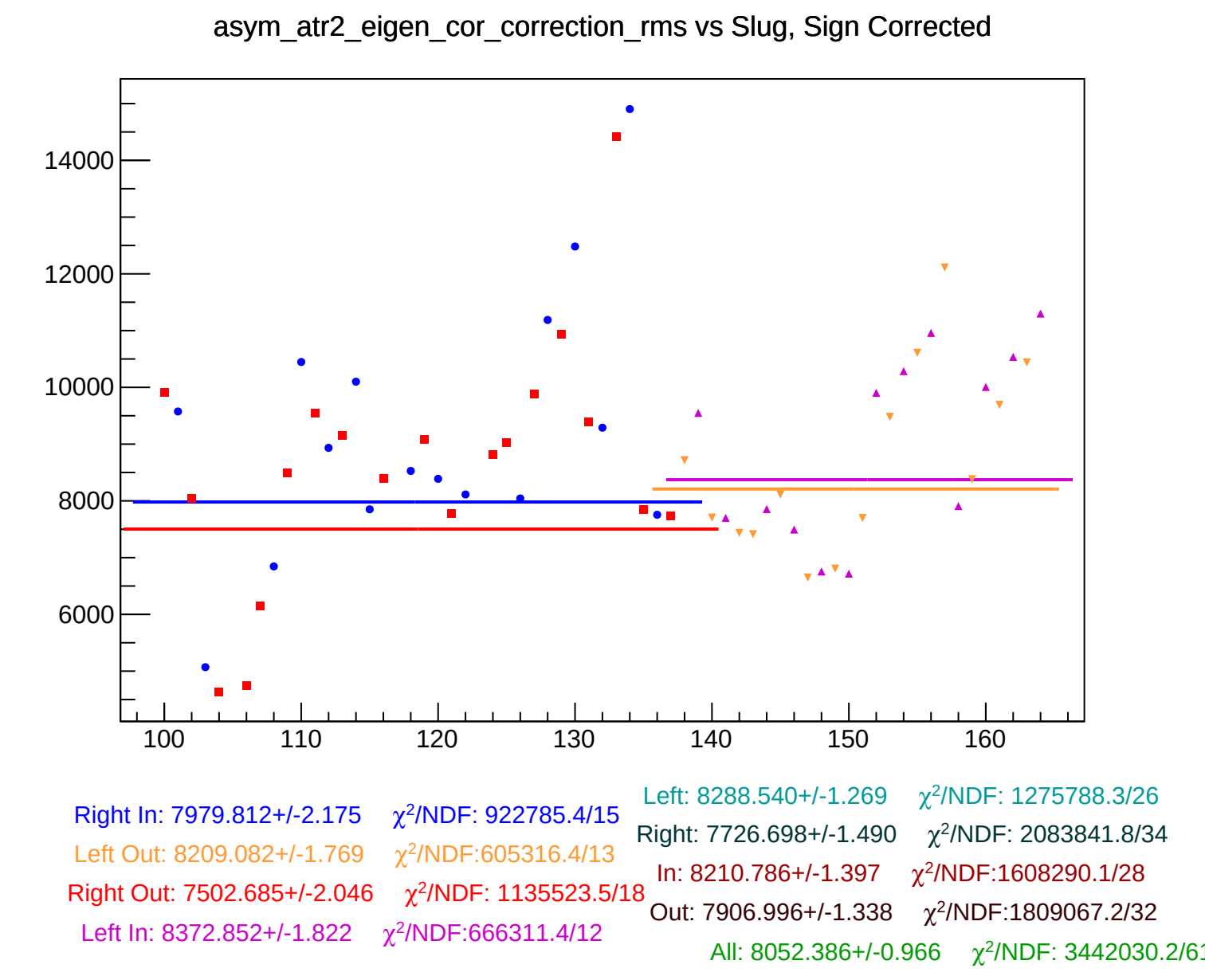
Left: 1504.443+/-1794.547 χ^2/NDF: 27.0/26

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

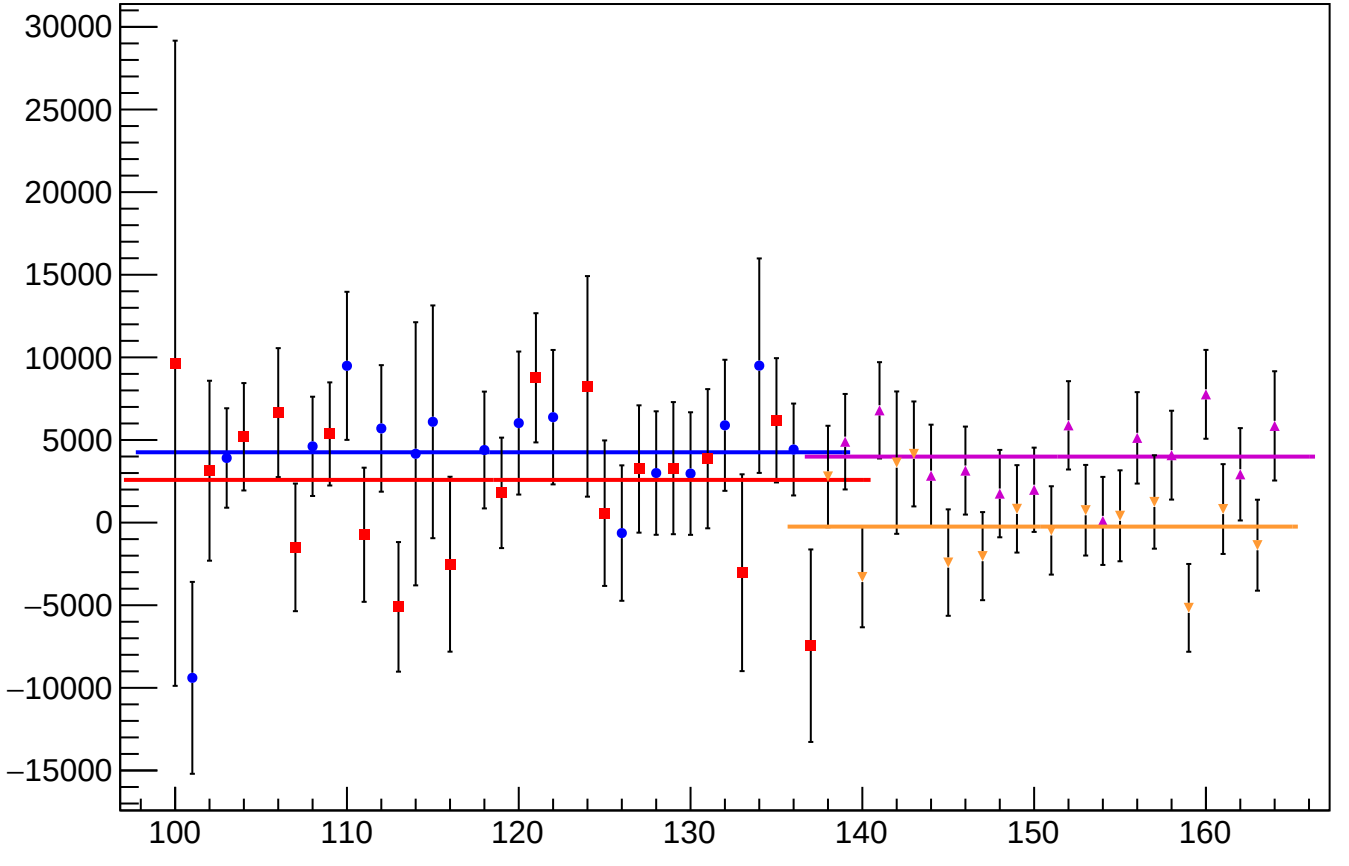
In: 239.310+/-1975.001 χ^2/NDF:24.5/28

Out: -23.656+/-1892.166 χ^2/NDF:34.4/32

All: 102.197+/-1366.309 χ^2/NDF: 58.9/61


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8209.082+/-1.769 χ²/NDF:605316.4/13
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8372.852+/-1.822 χ²/NDF:666311.4/12
Left: 8288.540+/-1.269 χ²/NDF: 1275788.3/26
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8210.786+/-1.397 χ²/NDF:1608290.1/28
Out: 7906.996+/-1.338 χ²/NDF:1809067.2/32
All: 8052.386+/-0.966 χ²/NDF: 3442030.2/61

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: -241.874+/-770.064 χ^2/NDF:10.0/13

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3994.375+/-769.727 χ^2/NDF:7.8/12

Left: 1877.178+/-544.399 χ^2/NDF: 33.0/26

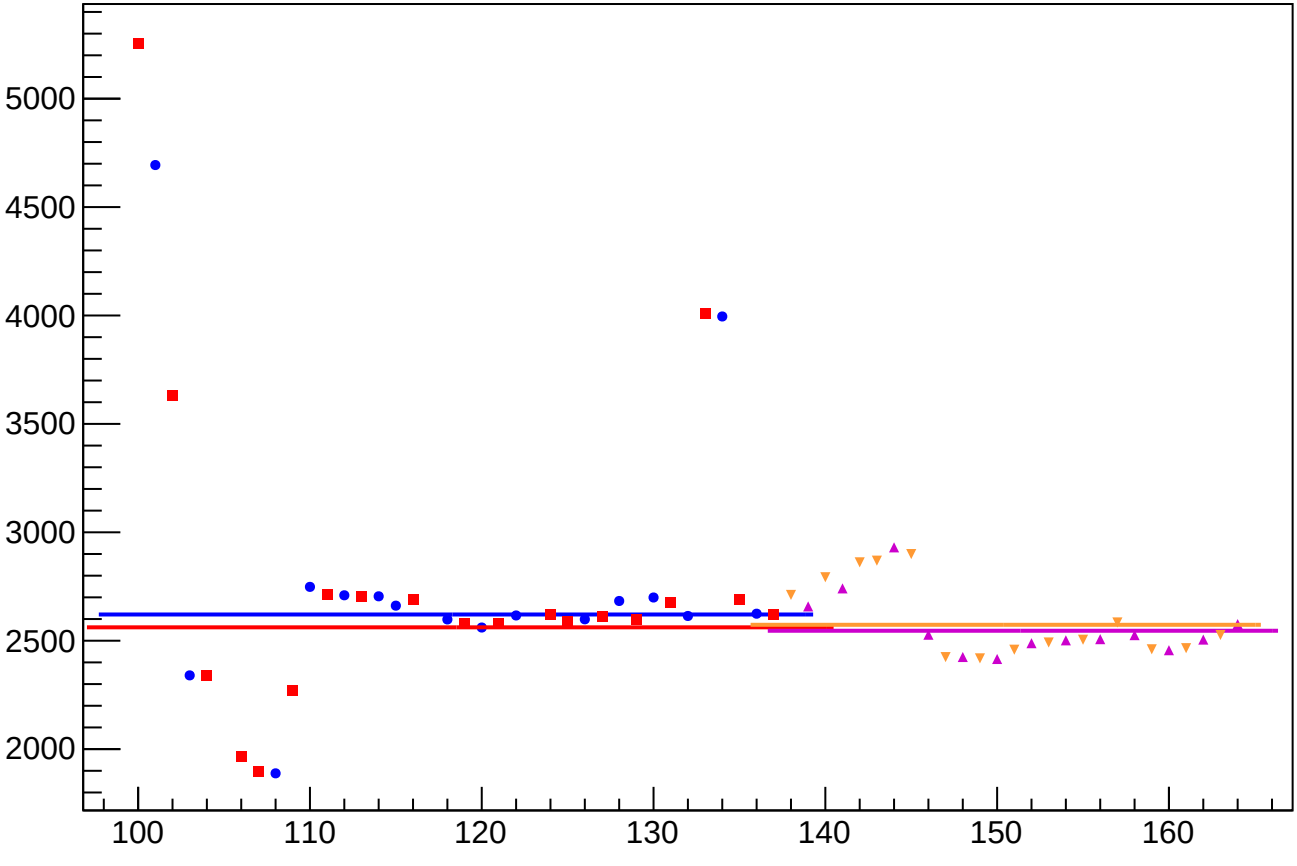
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4093.244+/-607.792 χ^2/NDF:17.9/28

Out: 856.341+/-602.162 χ^2/NDF:32.9/32

All: 2459.731+/-427.770 χ^2/NDF: 65.1/61

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2573.440+/-0.545 χ^2/NDF:88423.8/13

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2545.930+/-0.544 χ^2/NDF:57336.6/12

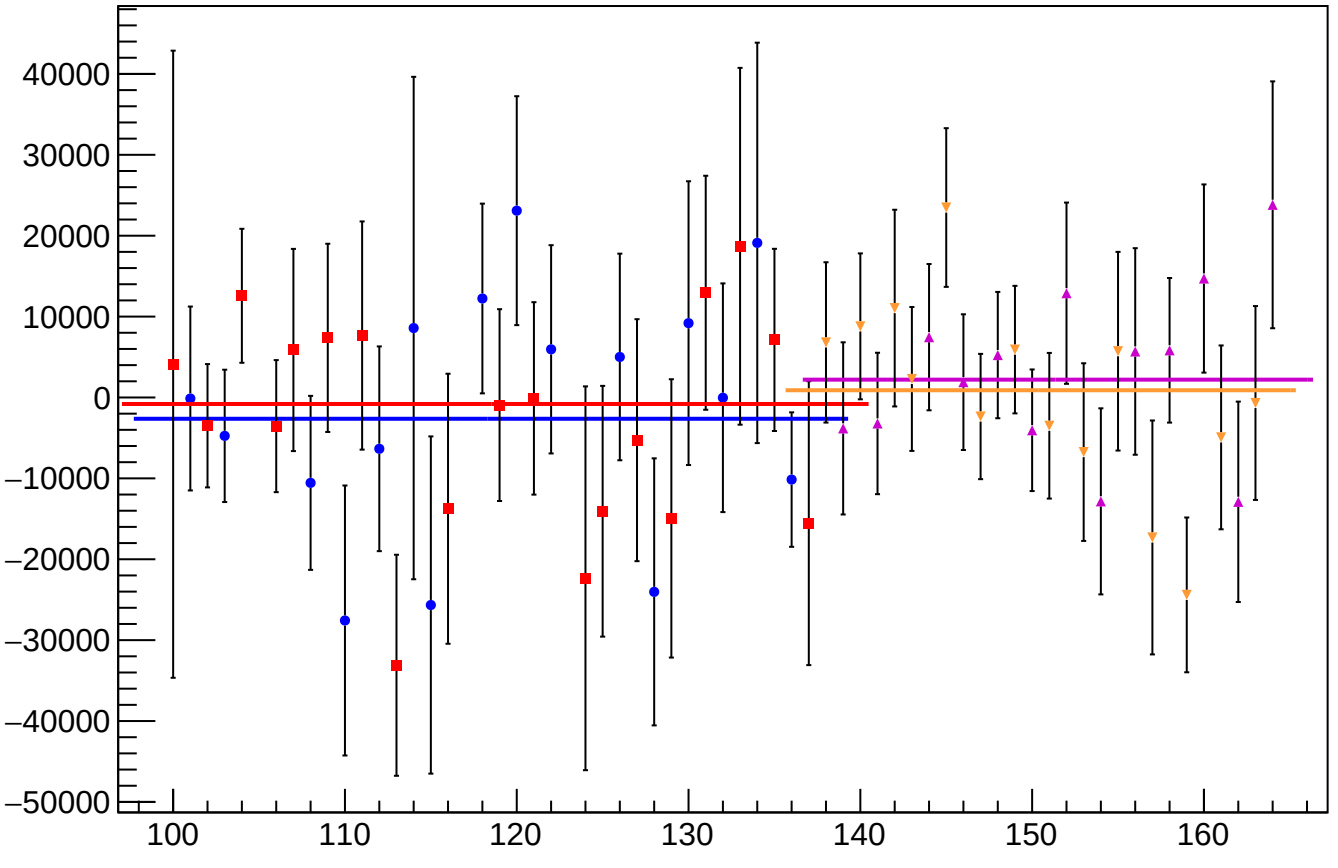
Left: 2559.679+/-0.385 χ^2/NDF: 147037.2/26

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2574.180+/-0.430 χ^2/NDF:550406.1/28

Out: 2568.882+/-0.426 χ^2/NDF:466863.5/32

All: 2571.506+/-0.302 χ^2/NDF: 1017346.3/61



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 894.478+/-2647.271 χ^2/NDF:17.5/13

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 2203.669+/-2723.445 χ^2/NDF:9.4/12

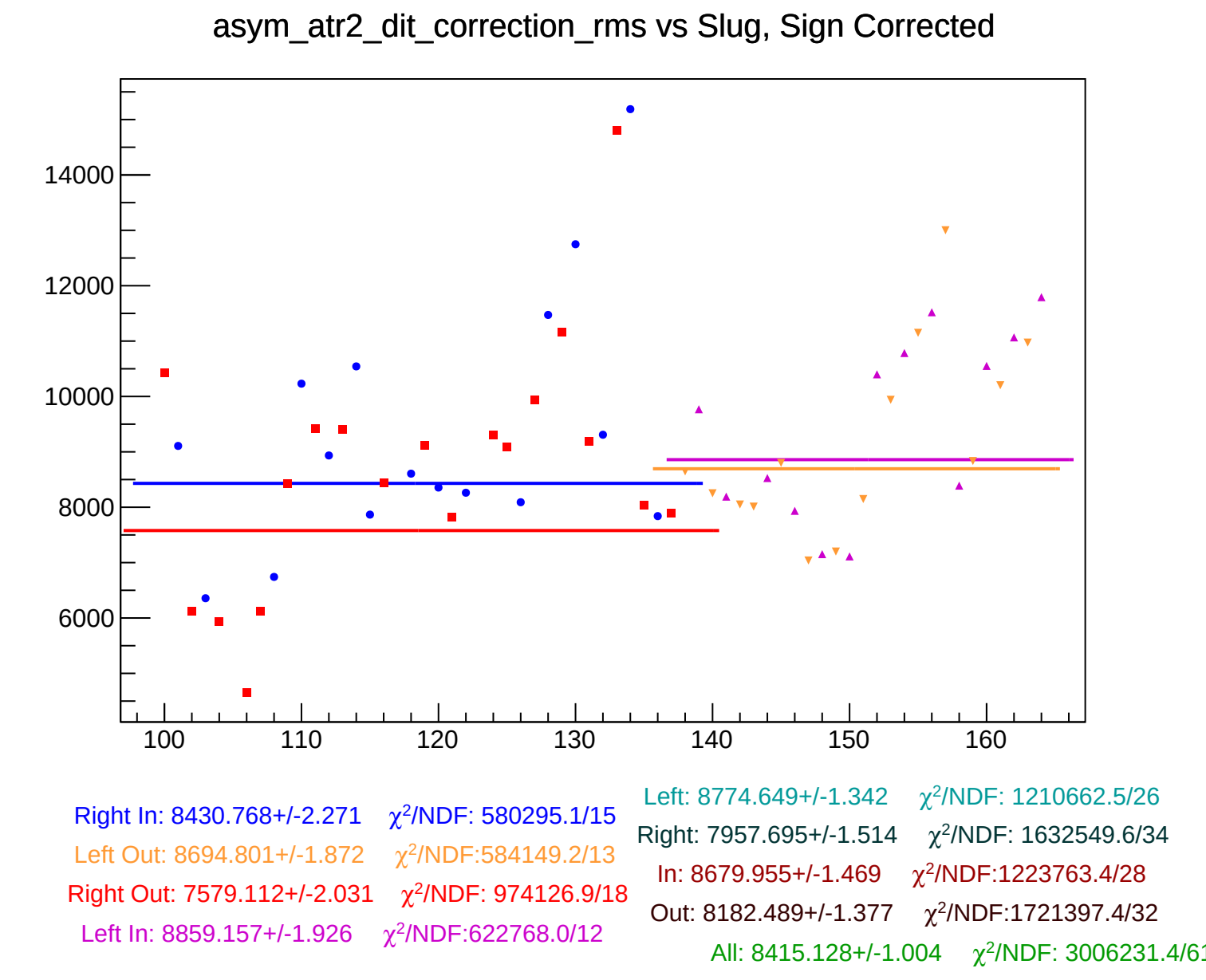
Left: 1530.508+/-1898.262 χ^2/NDF: 27.0/26

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

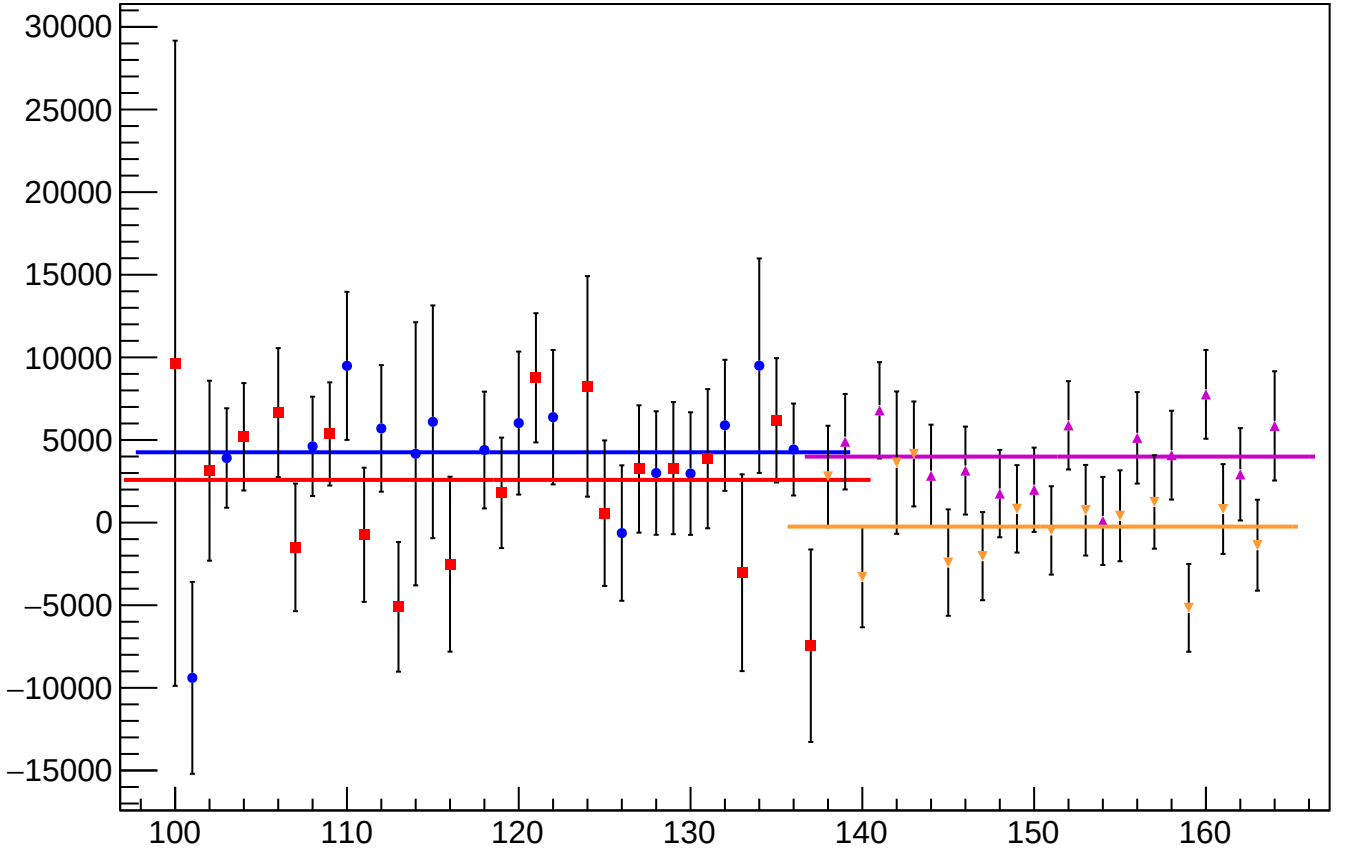
In: 180.857+/-2077.121 χ^2/NDF:24.5/28

Out: 115.070+/-1946.800 χ^2/NDF:33.1/32

All: 145.836+/-1420.434 χ^2/NDF: 57.6/61


asym_atr2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 8430.768+/-2.271 χ²/NDF: 580295.1/15
Left Out: 8694.801+/-1.872 χ²/NDF:584149.2/13
Right Out: 7579.112+/-2.031 χ²/NDF: 974126.9/18
Left In: 8859.157+/-1.926 χ²/NDF:622768.0/12
Left: 8774.649+/-1.342 χ²/NDF: 1210662.5/26
Right: 7957.695+/-1.514 χ²/NDF: 1632549.6/34
In: 8679.955+/-1.469 χ²/NDF:1223763.4/28
Out: 8182.489+/-1.377 χ²/NDF:1721397.4/32
All: 8415.128+/-1.004 χ²/NDF: 3006231.4/61

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: -241.896+/-770.065 χ^2/NDF:10.0/13

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3994.379+/-769.728 χ^2/NDF:7.8/12

Left: 1877.169+/-544.399 χ^2/NDF: 33.0/26

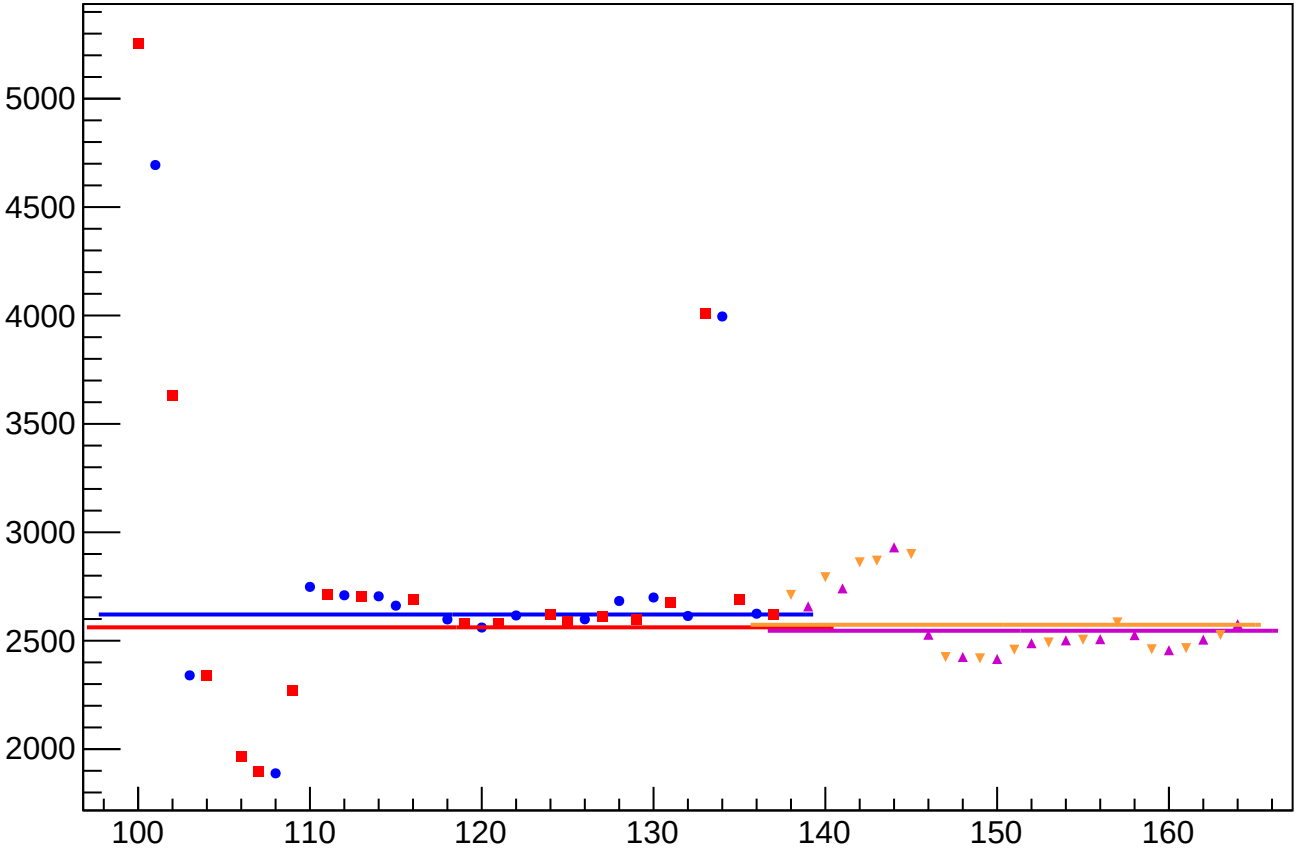
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4093.250+/-607.793 χ^2/NDF:17.9/28

Out: 856.333+/-602.162 χ^2/NDF:32.9/32

All: 2459.729+/-427.770 χ^2/NDF: 65.1/61

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2573.443+/-0.545 χ^2/NDF:88423.6/13

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2545.933+/-0.544 χ^2/NDF:57336.3/12

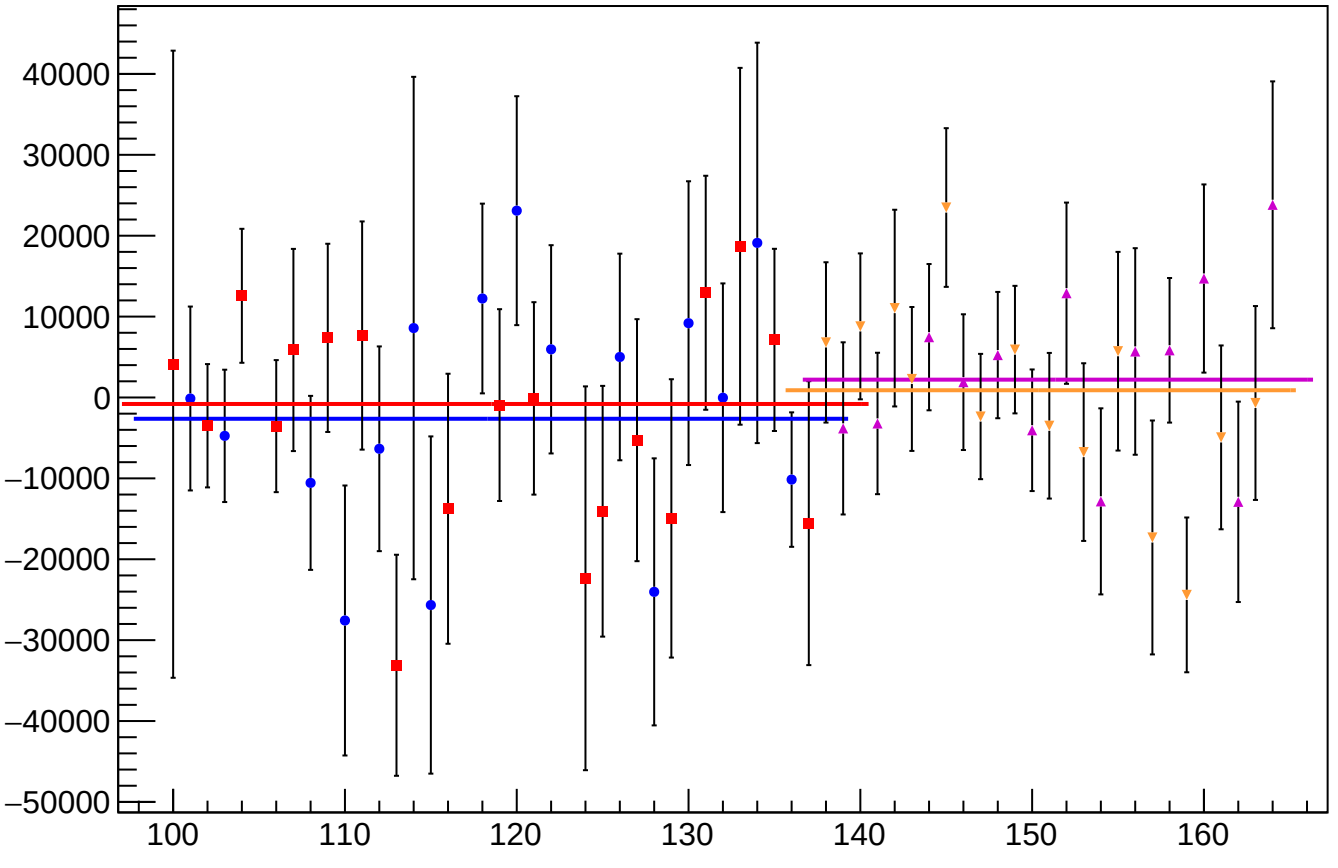
Left: 2559.682+/-0.385 χ^2/NDF: 147036.6/26

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2574.182+/-0.430 χ^2/NDF:550405.4/28

Out: 2568.884+/-0.426 χ^2/NDF:466862.8/32

All: 2571.507+/-0.302 χ^2/NDF: 1017344.8/61



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 894.469+/-2647.275 χ^2/NDF:17.5/13

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 2203.664+/-2723.450 χ^2/NDF:9.4/12

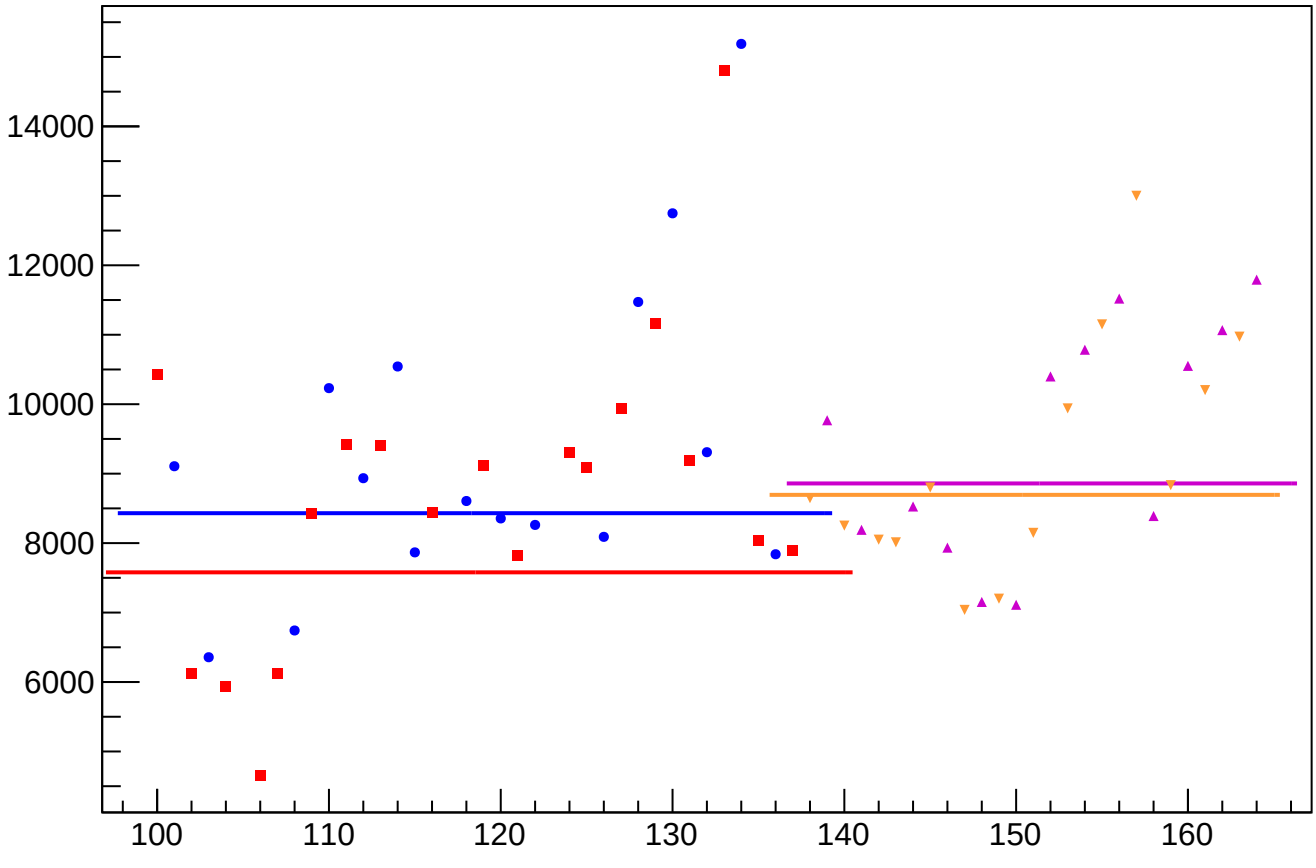
Left: 1530.502+/-1898.265 χ^2/NDF: 27.0/26

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: 180.862+/-2077.121 χ^2/NDF:24.5/28

Out: 115.065+/-1946.800 χ^2/NDF:33.1/32

All: 145.835+/-1420.434 χ^2/NDF: 57.6/61



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8694.814+/-1.872 χ^2/NDF:584149.4/13

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8859.171+/-1.926 χ^2/NDF:622768.1/12

Left: 8774.662+/-1.342 χ^2/NDF: 1210662.7/26

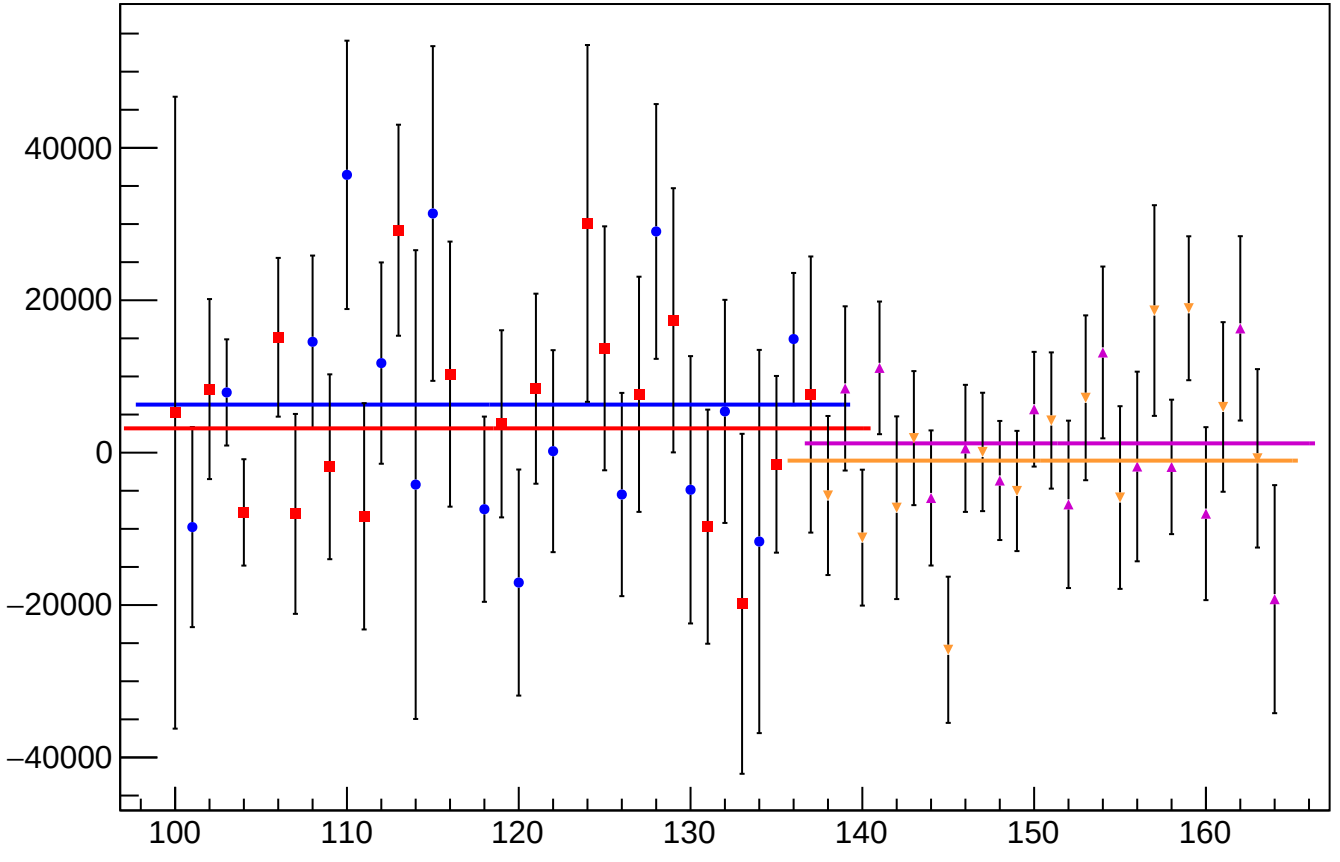
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8679.958+/-1.469 χ^2/NDF:1223760.0/28

Out: 8182.489+/-1.377 χ^2/NDF:1721401.2/32

All: 8415.129+/-1.004 χ^2/NDF: 3006232.4/61

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -1045.318+/-2626.525 χ^2/NDF:16.8/13

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 1219.826+/-2697.141 χ^2/NDF:9.1/12

Left: 57.213+/-1881.703 χ^2/NDF: 26.3/26

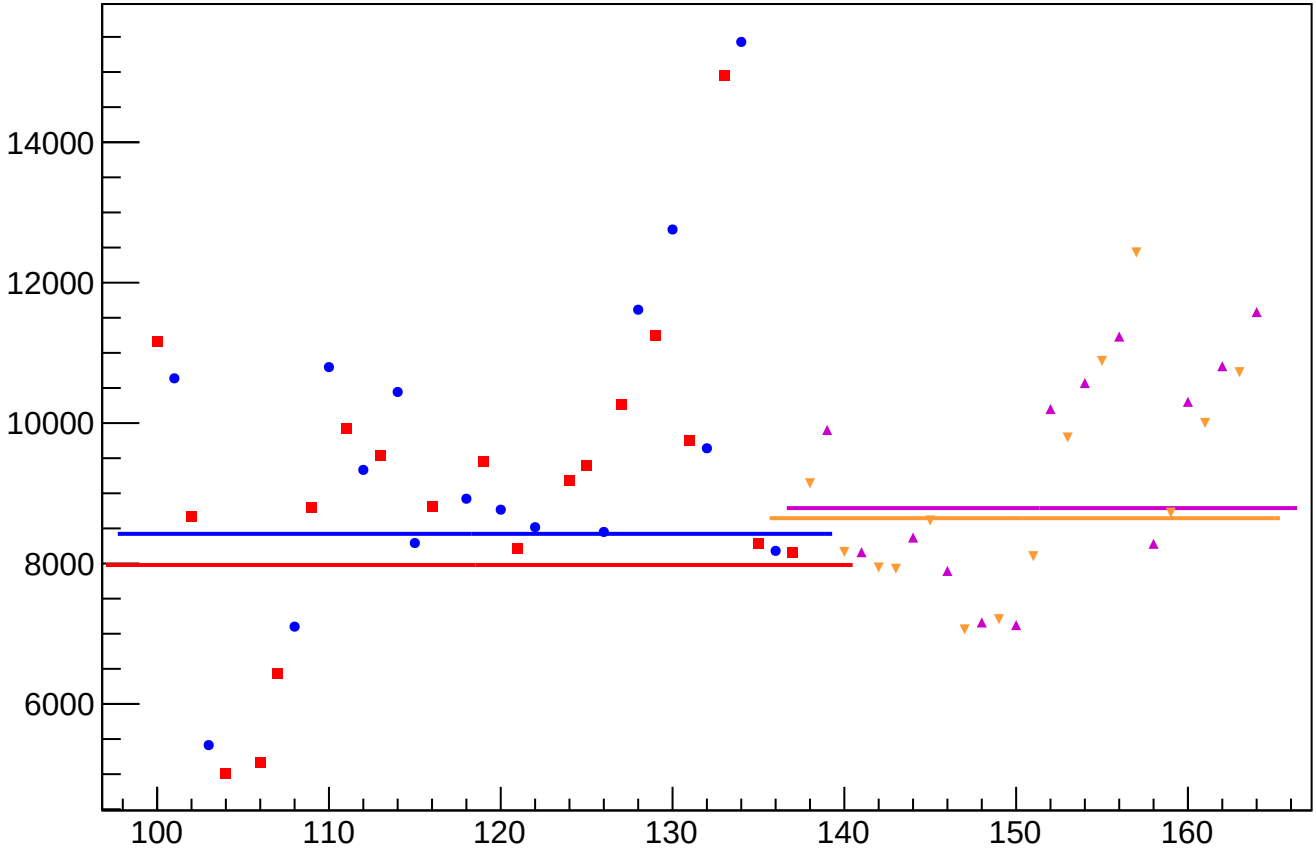
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3302.366+/-2072.822 χ^2/NDF:25.6/28

Out: 745.247+/-1995.408 χ^2/NDF:31.8/32

All: 1975.165+/-1437.556 χ^2/NDF: 58.2/61

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8645.777+/-1.857 χ^2/NDF:522780.0/13

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8789.464+/-1.907 χ^2/NDF:571767.5/12

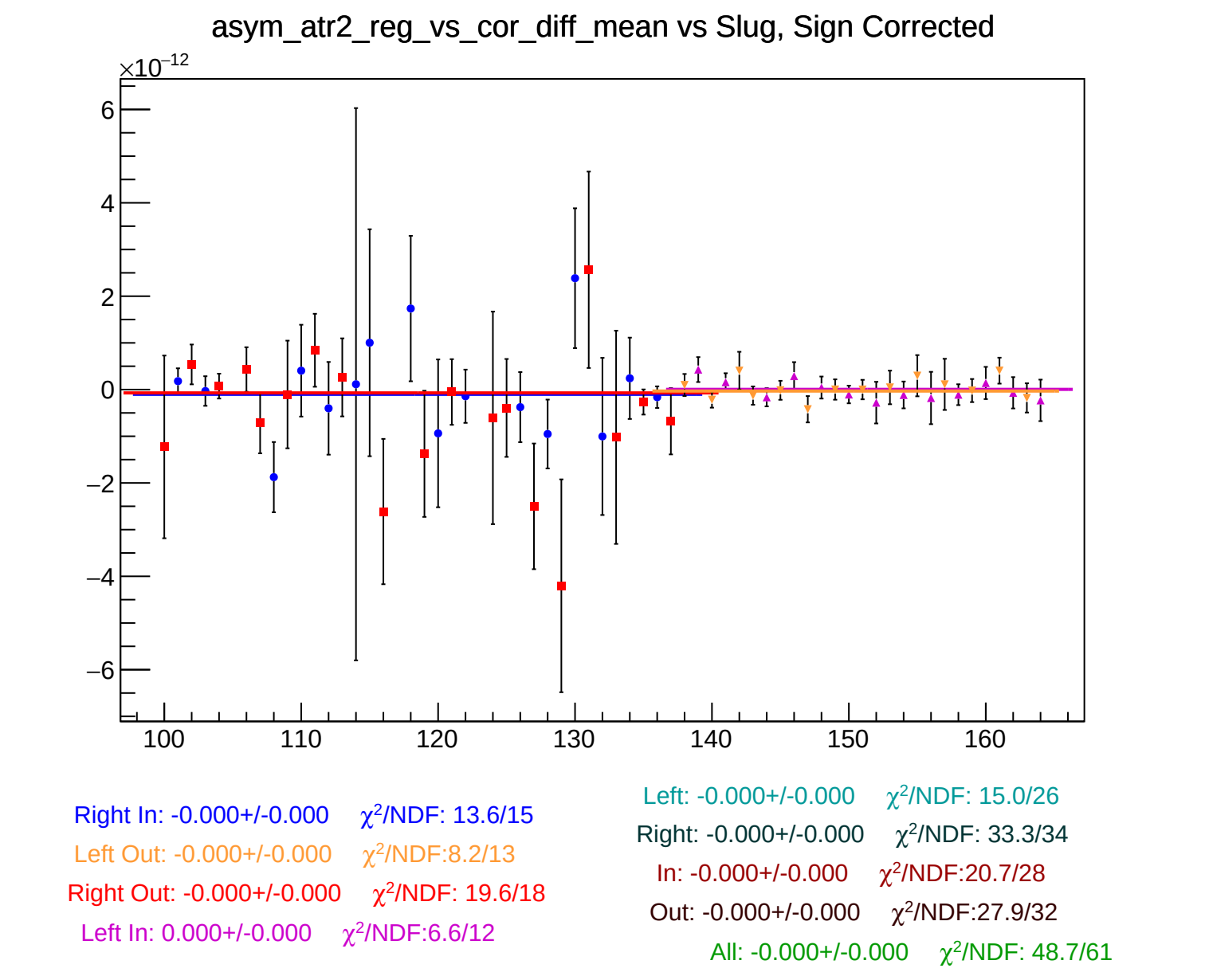
Left: 8715.715+/-1.331 χ^2/NDF: 1097460.9/26

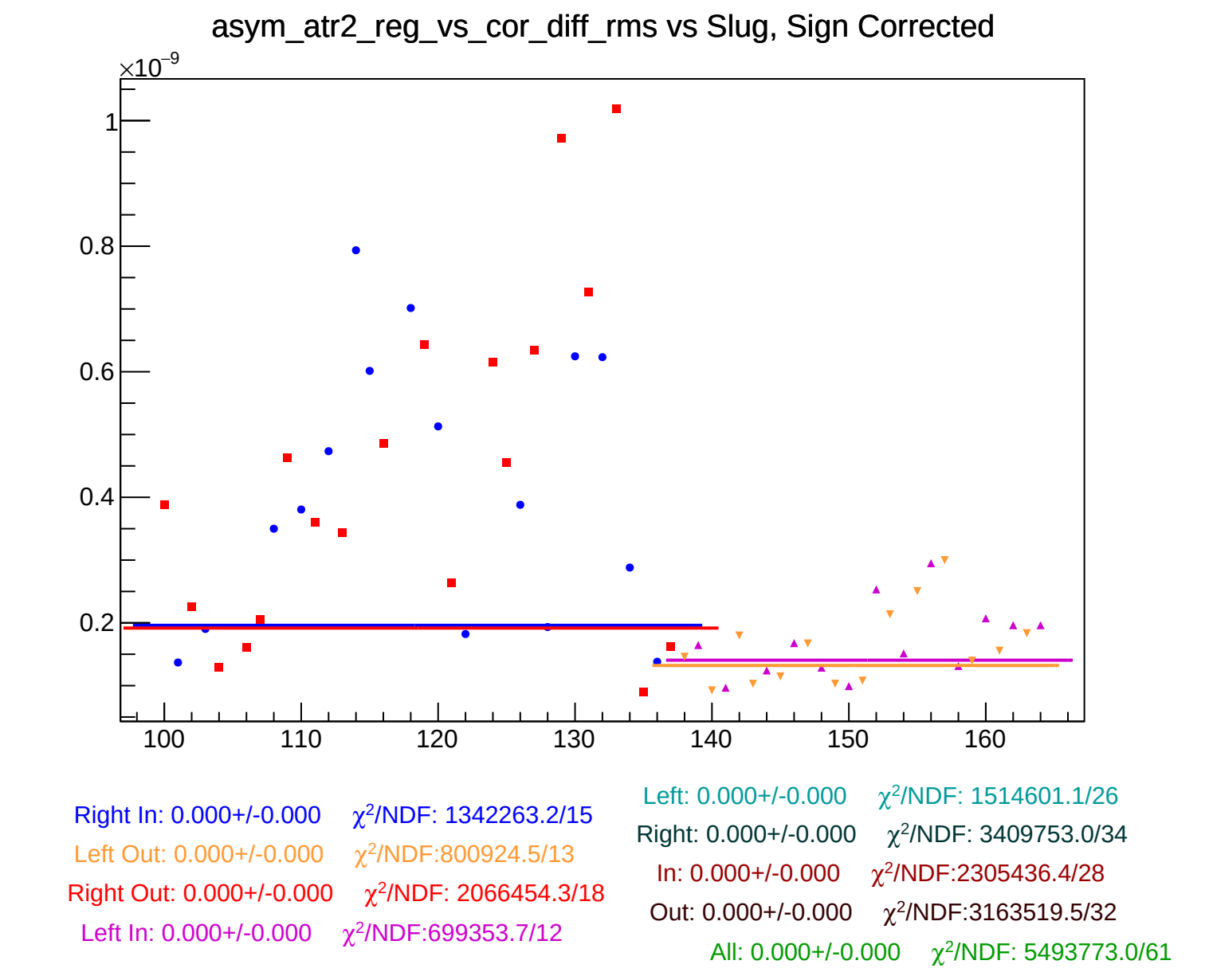
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

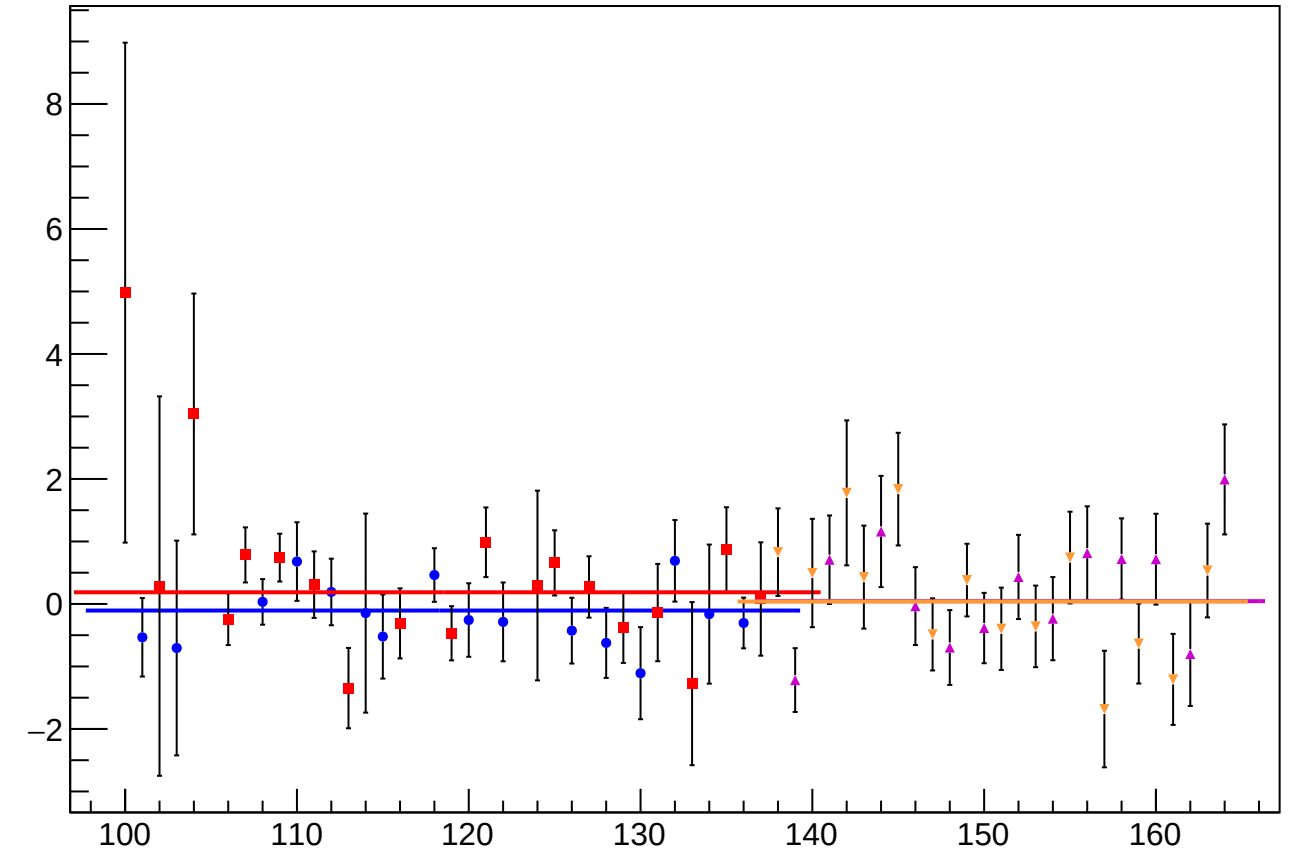
In: 8639.330+/-1.466 χ^2/NDF:1468739.4/28

Out: 8363.833+/-1.411 χ^2/NDF:1593300.8/32

All: 8496.340+/-1.017 χ^2/NDF: 3080377.2/61


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
160
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:8.2/13
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:6.6/12
Left: -0.000+/-0.000 χ²/NDF: 15.0/26
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: -0.000+/-0.000 χ²/NDF:20.7/28
Out: -0.000+/-0.000 χ²/NDF:27.9/32
All: -0.000+/-0.000 χ²/NDF: 48.7/61


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:800924.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:699353.7/12
Left: 0.000+/-0.000 χ²/NDF: 1514601.1/26
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:2305436.4/28
Out: 0.000+/-0.000 χ²/NDF:3163519.5/32
All: 0.000+/-0.000 χ²/NDF: 5493773.0/61



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.045+/-0.186 χ^2/NDF:20.1/12

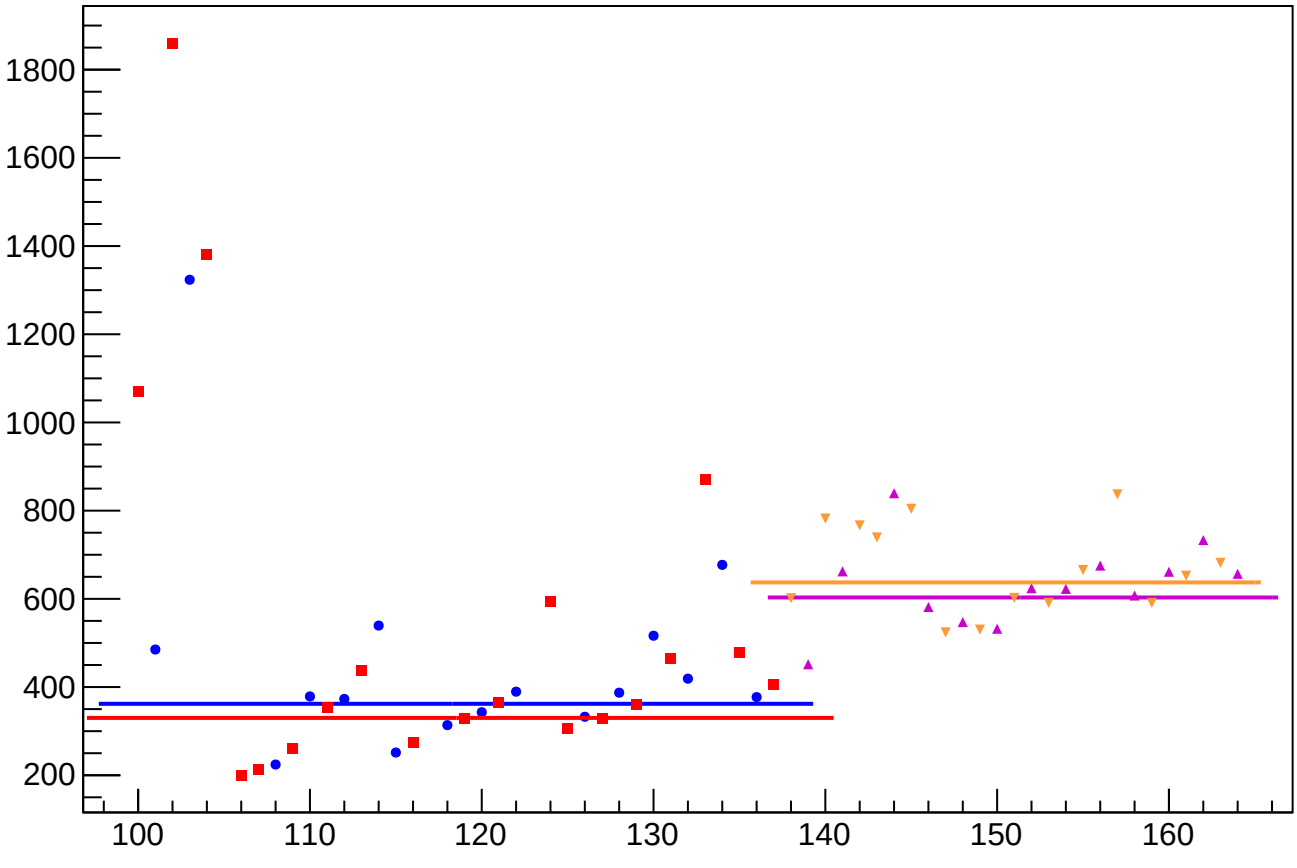
Left: 0.042+/-0.134 χ^2/NDF: 38.9/26

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.049+/-0.114 χ^2/NDF:30.2/28

Out: 0.138+/-0.112 χ^2/NDF:43.0/32

All: 0.046+/-0.080 χ^2/NDF: 74.6/61



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 637.281+/-0.137 χ^2/NDF:458762.8/13

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 603.119+/-0.132 χ^2/NDF:474319.7/12

Left: 619.488+/-0.095 χ^2/NDF: 965353.6/26

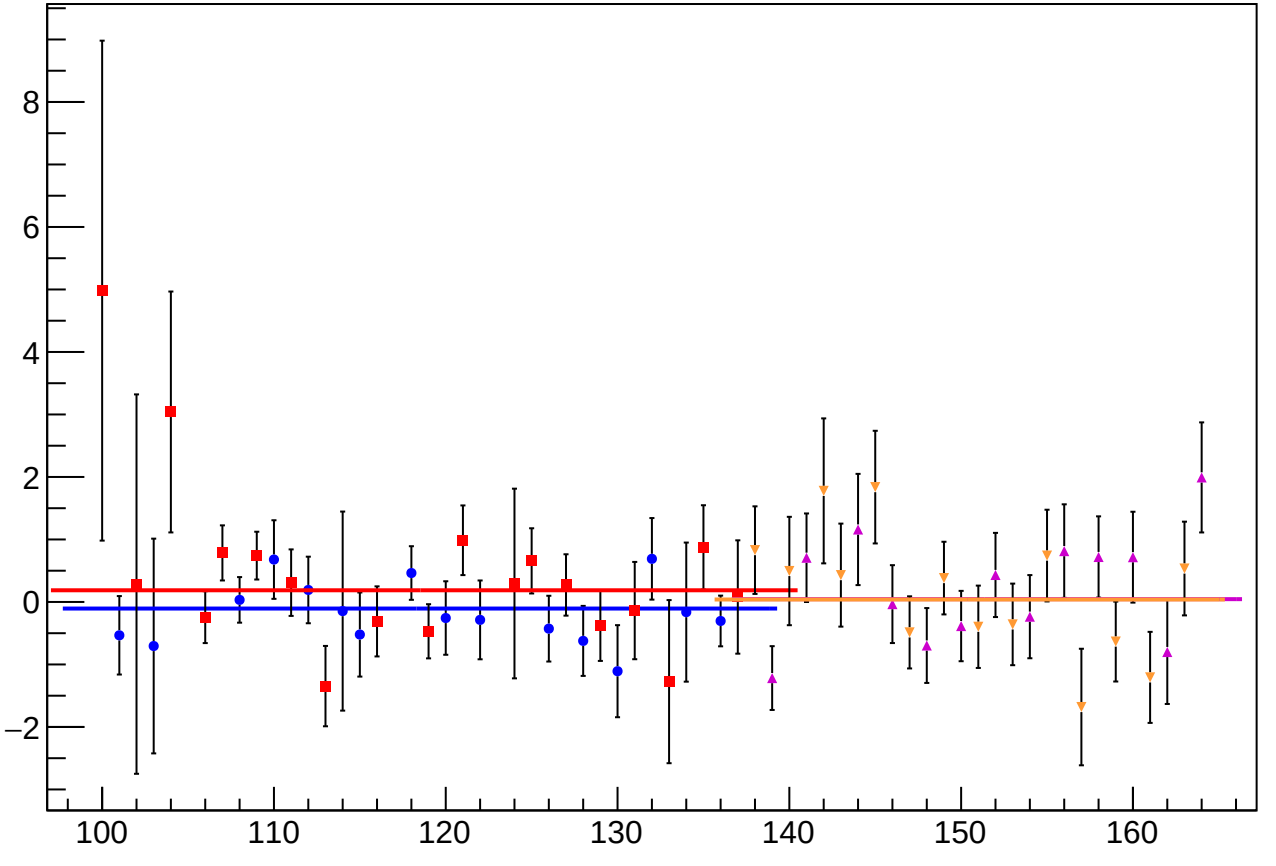
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 452.822+/-0.081 χ^2/NDF:3942694.1/28

Out: 432.652+/-0.079 χ^2/NDF:6042689.7/32

All: 442.551+/-0.057 χ^2/NDF: 10017132.8/61

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: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.045+/-0.186 χ^2/NDF:20.1/12

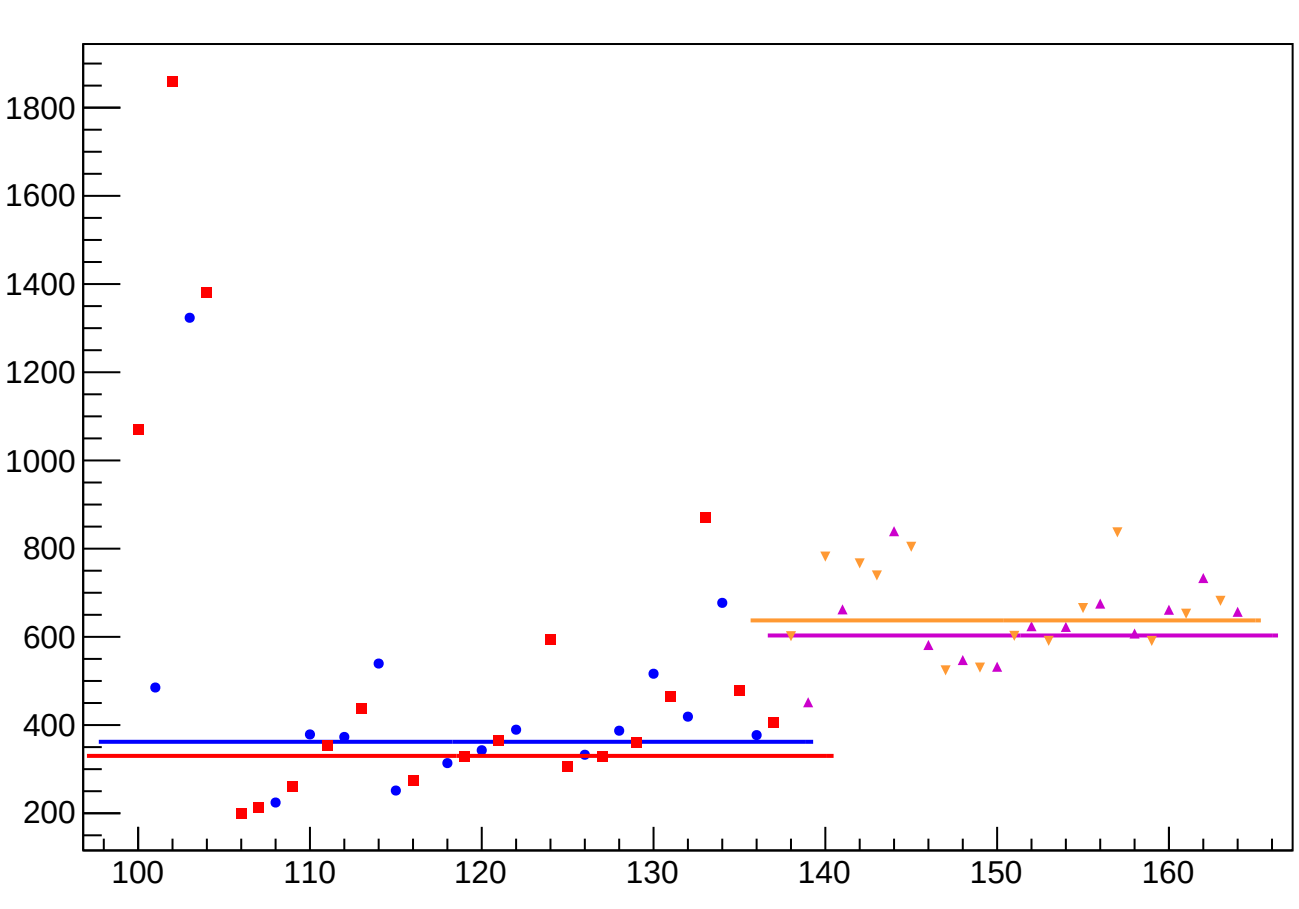
Left: 0.042+/-0.134 χ^2/NDF: 38.9/26

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.049+/-0.114 χ^2/NDF:30.2/28

Out: 0.138+/-0.112 χ^2/NDF:43.0/32

All: 0.046+/-0.080 χ^2/NDF: 74.6/61



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 637.281+/-0.137 χ^2/NDF:458762.8/13

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 603.119+/-0.132 χ^2/NDF:474319.7/12

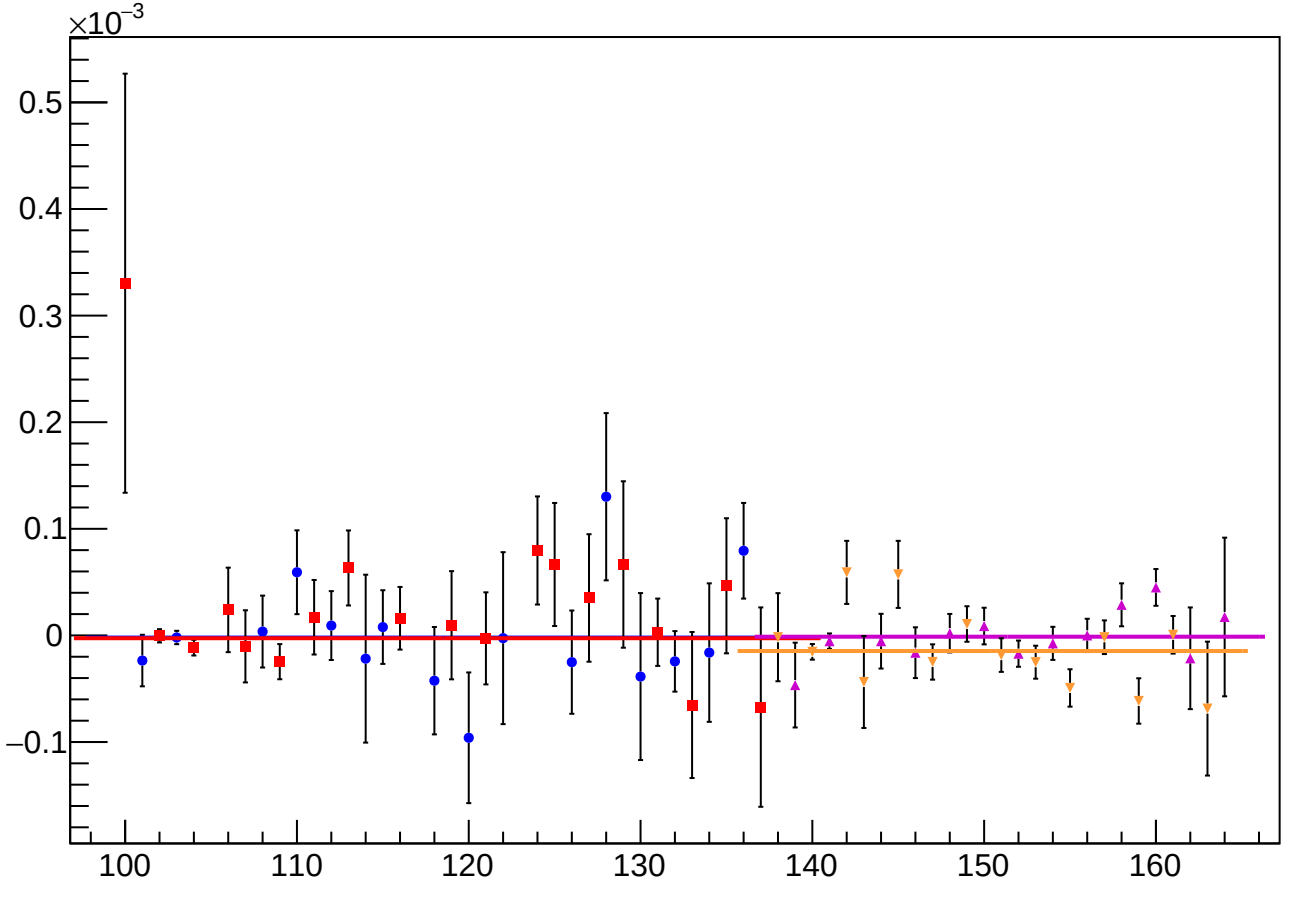
Left: 619.488+/-0.095 χ^2/NDF: 965353.6/26

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 452.822+/-0.081 χ^2/NDF:3942694.1/28

Out: 432.652+/-0.079 χ^2/NDF:6042689.7/32

All: 442.551+/-0.057 χ^2/NDF: 10017132.8/61



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

Left Out: -0.000+/-0.000 χ^2/NDF:26.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/12

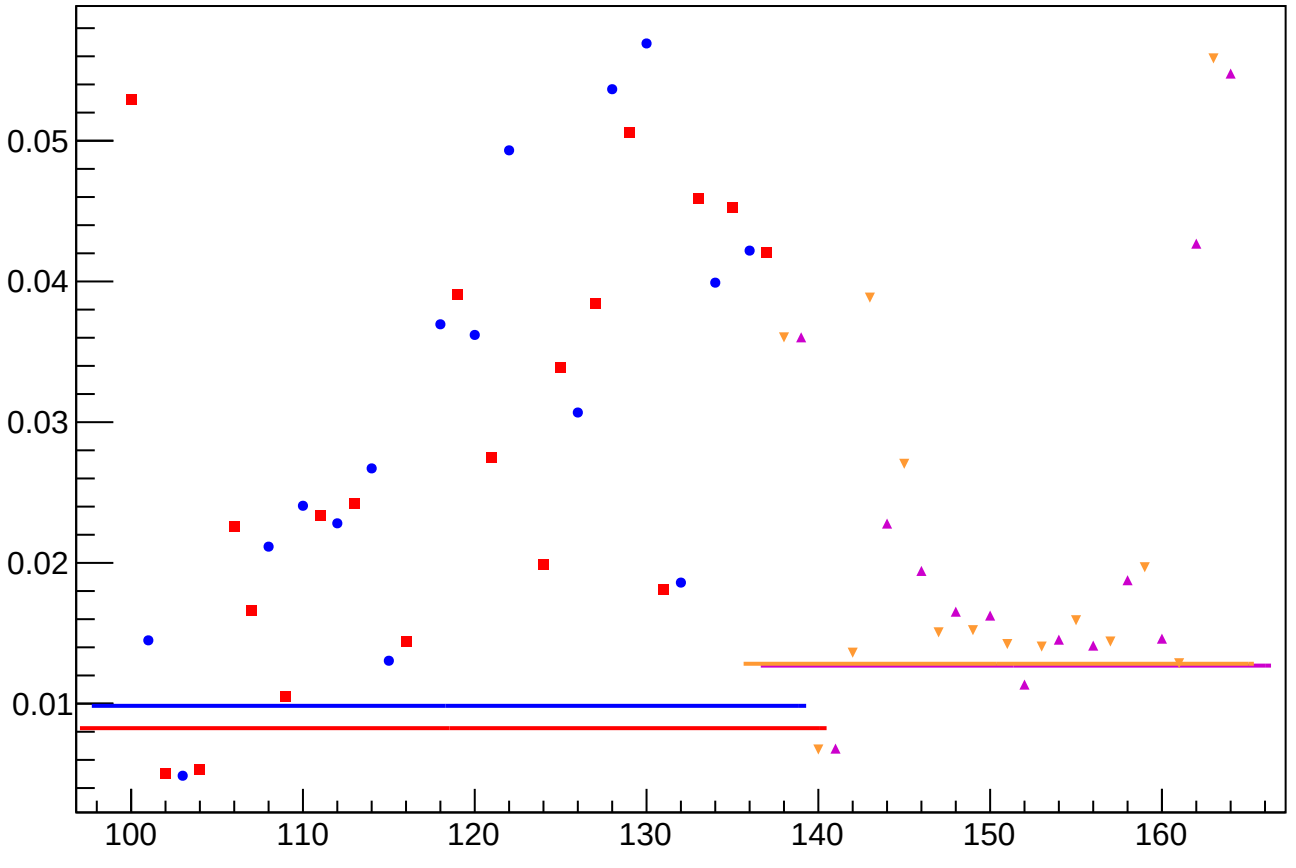
Left: -0.000+/-0.000 χ^2/NDF: 44.6/26

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:27.7/28

Out: -0.000+/-0.000 χ^2/NDF:48.1/32

All: -0.000+/-0.000 χ^2/NDF: 78.0/61



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:4475601.5/13

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:4364376.6/12

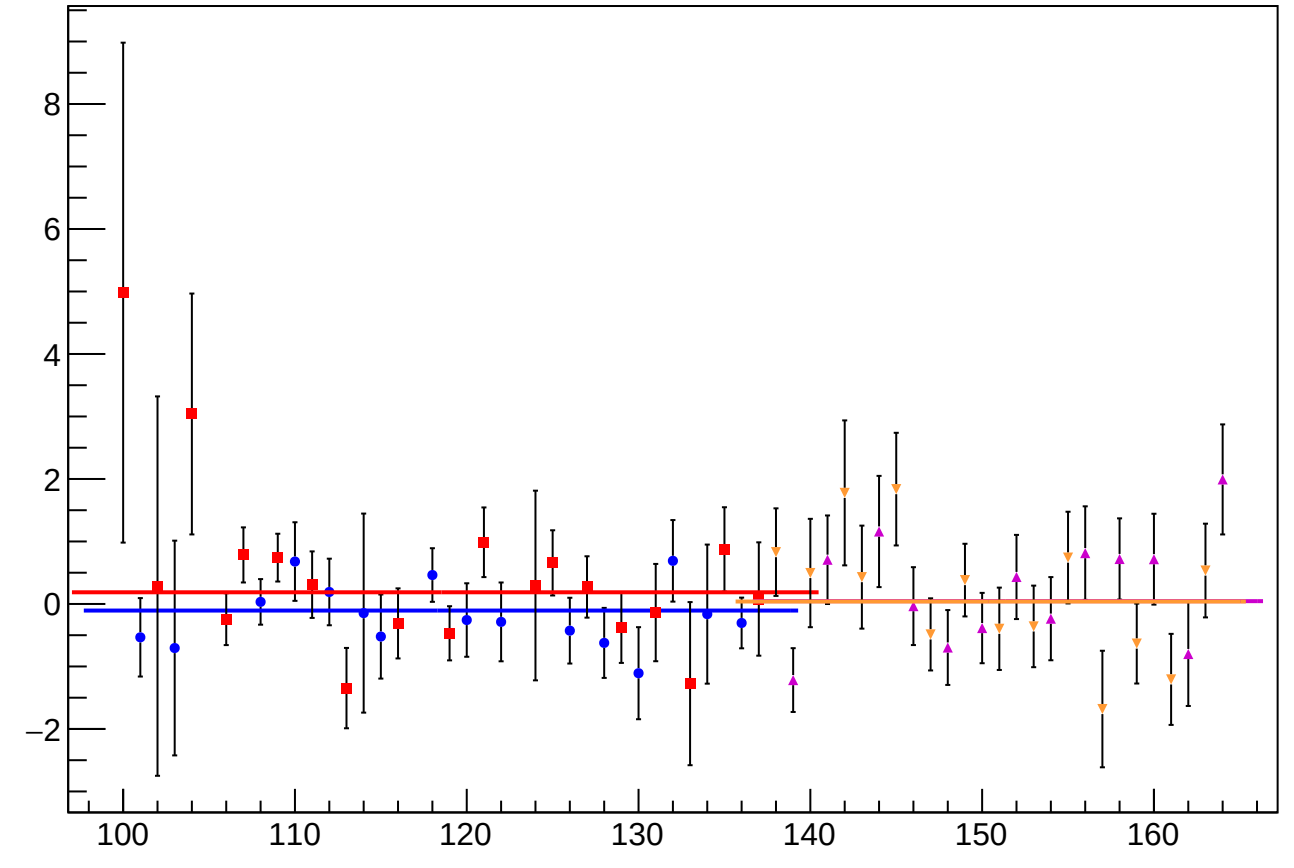
Left: 0.013+/-0.000 χ^2/NDF: 8840854.4/26

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:11750582.0/28

Out: 0.010+/-0.000 χ^2/NDF:12325153.0/32

All: 0.011+/-0.000 χ^2/NDF: 24196535.8/61



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.045+/-0.186 χ^2/NDF:20.1/12

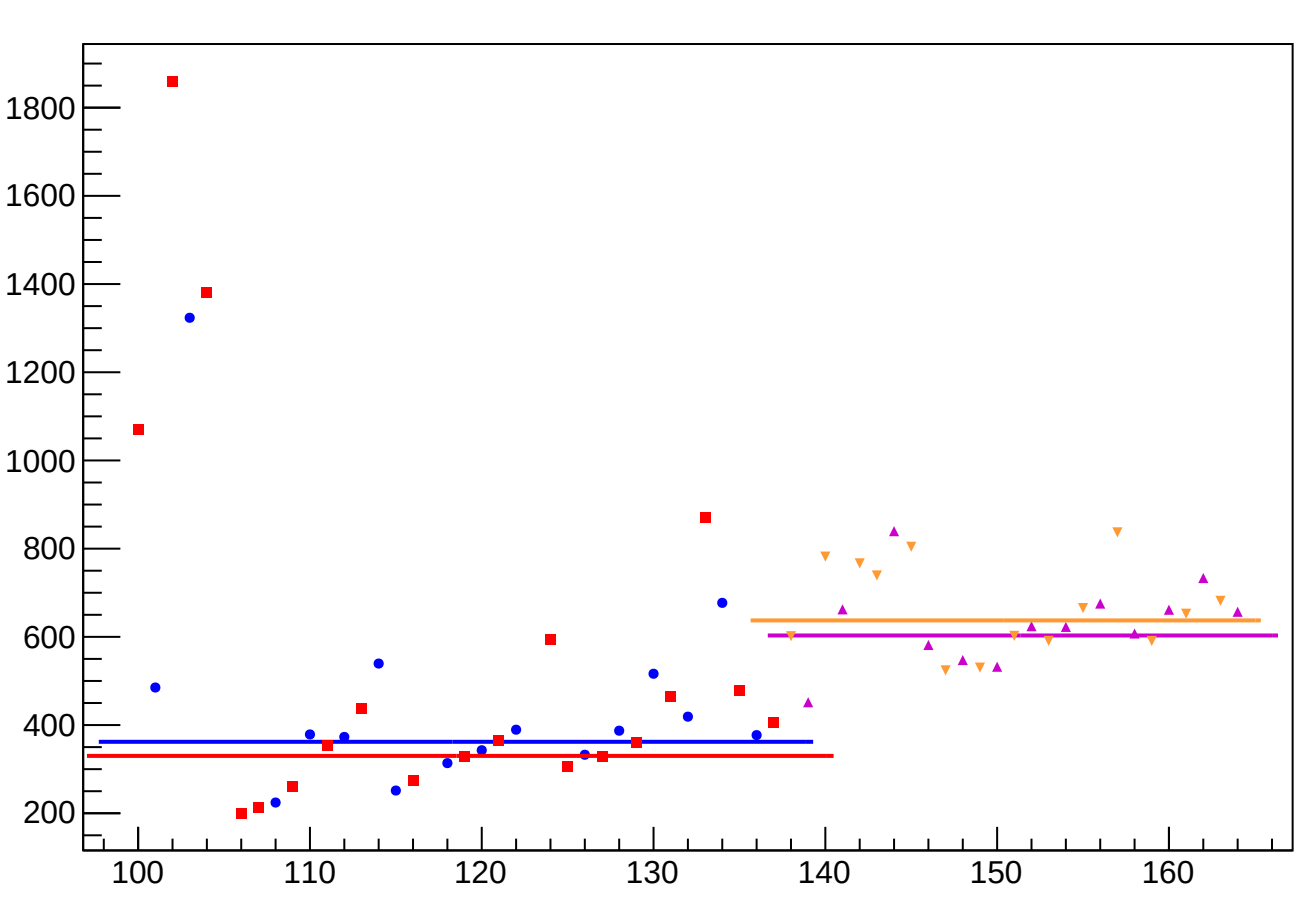
Left: 0.042+/-0.134 χ^2/NDF: 38.9/26

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.049+/-0.114 χ^2/NDF:30.2/28

Out: 0.138+/-0.112 χ^2/NDF:43.0/32

All: 0.046+/-0.080 χ^2/NDF: 74.6/61



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 637.291+/-0.137 χ^2/NDF:458751.2/13

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 603.128+/-0.132 χ^2/NDF:474310.2/12

Left: 619.498+/-0.095 χ^2/NDF: 965333.3/26

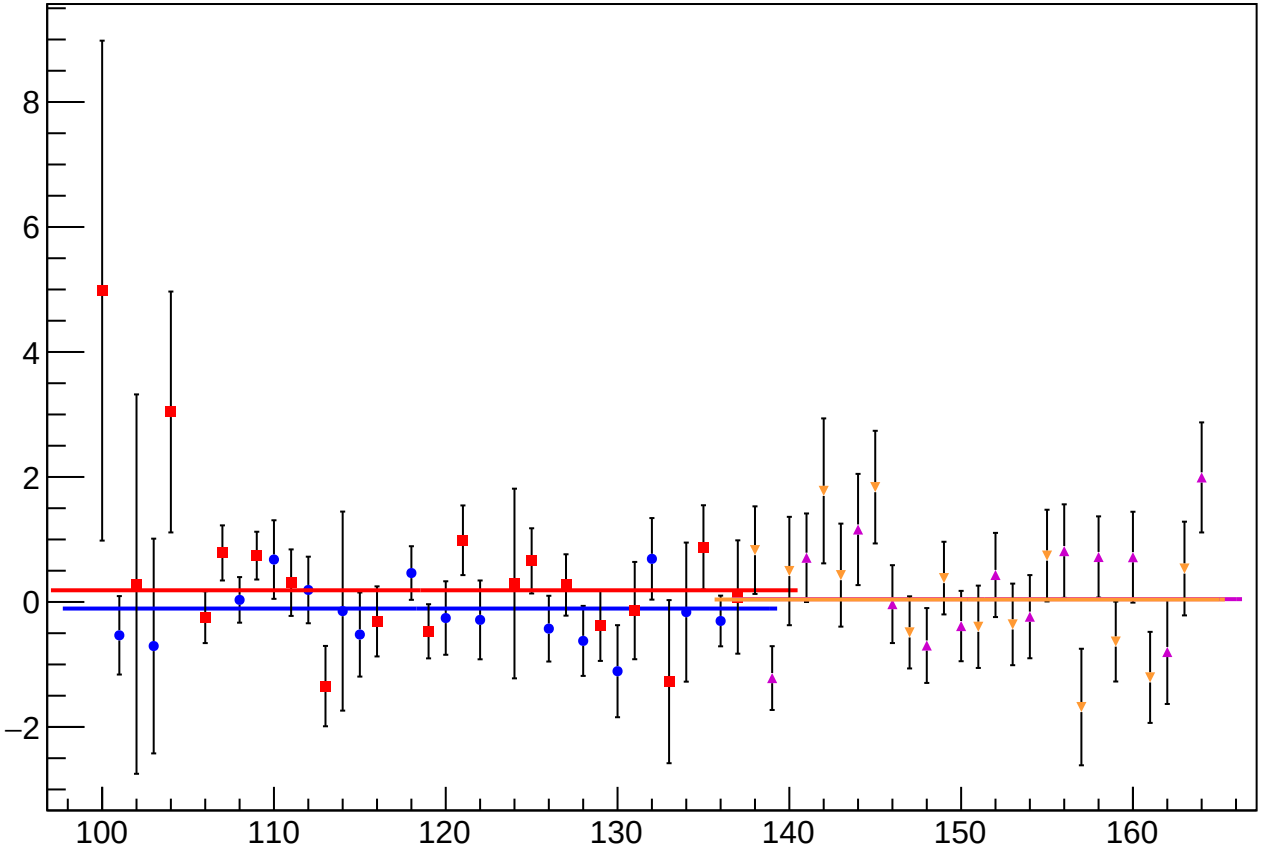
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 452.821+/-0.081 χ^2/NDF:3942865.7/28

Out: 432.652+/-0.079 χ^2/NDF:6042859.3/32

All: 442.551+/-0.057 χ^2/NDF: 10017472.3/61

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: 0.045+/-0.186 χ^2/NDF:20.1/12

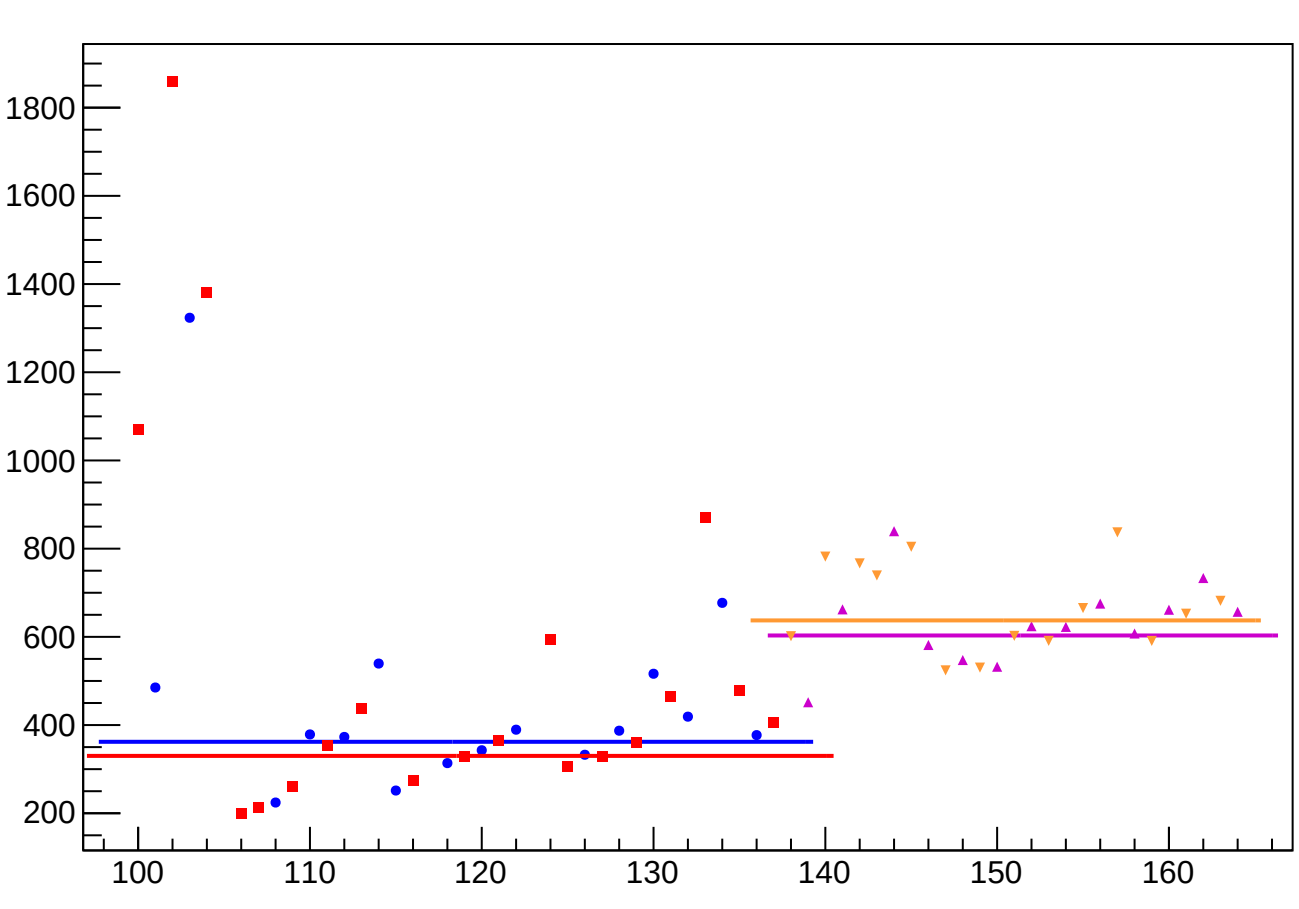
Left: 0.042+/-0.134 χ^2/NDF: 38.9/26

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.049+/-0.114 χ^2/NDF:30.2/28

Out: 0.138+/-0.112 χ^2/NDF:43.0/32

All: 0.046+/-0.080 χ^2/NDF: 74.6/61



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 637.291+/-0.137 χ^2/NDF:458751.2/13

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 603.128+/-0.132 χ^2/NDF:474310.2/12

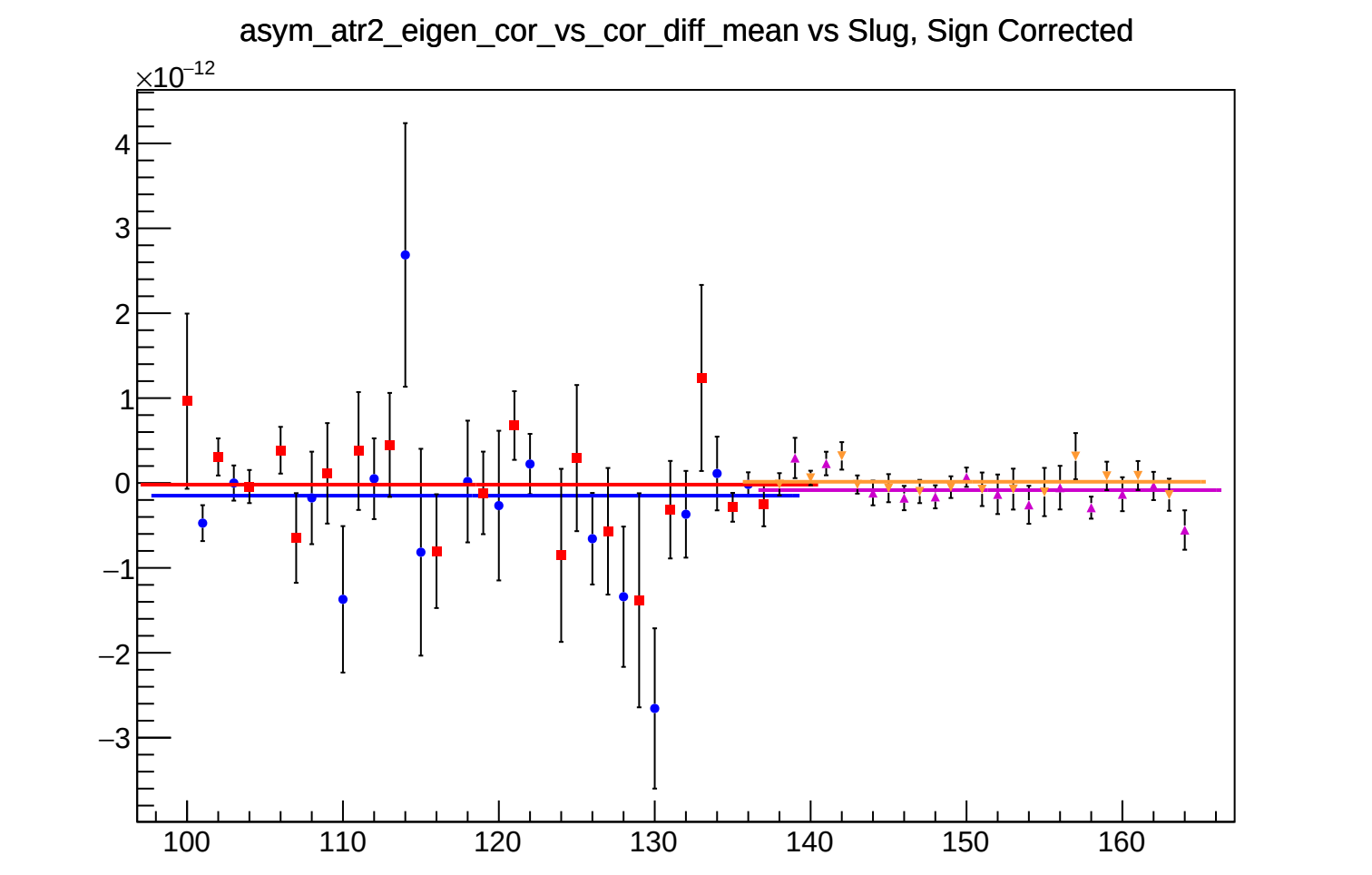
Left: 619.498+/-0.095 χ^2/NDF: 965333.3/26

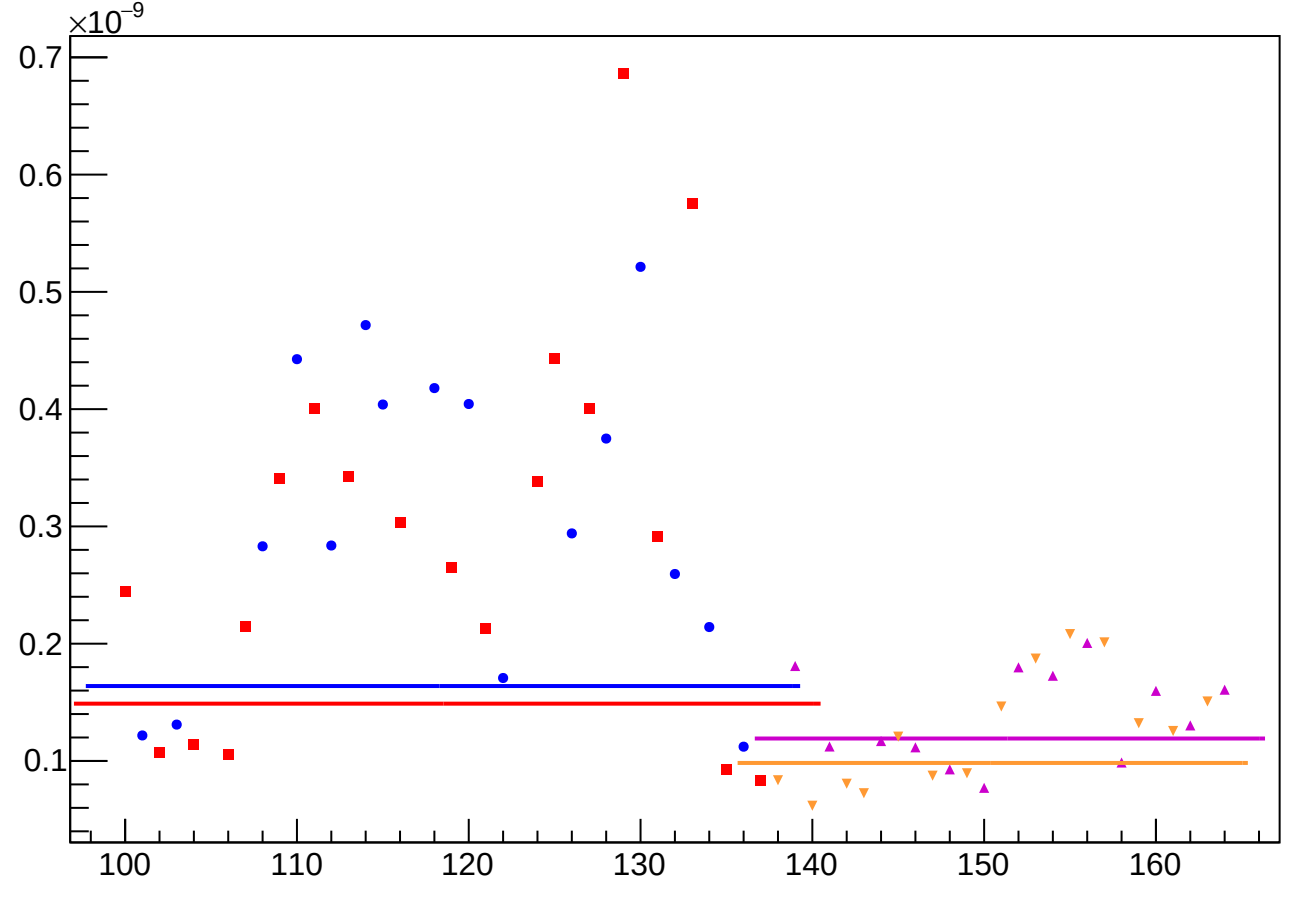
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 452.821+/-0.081 χ^2/NDF:3942865.7/28

Out: 432.652+/-0.079 χ^2/NDF:6042859.3/32

All: 442.551+/-0.057 χ^2/NDF: 10017472.3/61


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
160
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:7.9/13
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:17.7/12
Left: -0.000+/-0.000 χ²/NDF: 28.2/26
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:39.4/28
Out: 0.000+/-0.000 χ²/NDF:27.4/32
All: -0.000+/-0.000 χ²/NDF: 70.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1854094.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1151289.6/12

Left: 0.000+/-0.000 χ^2/NDF: 3246154.9/26

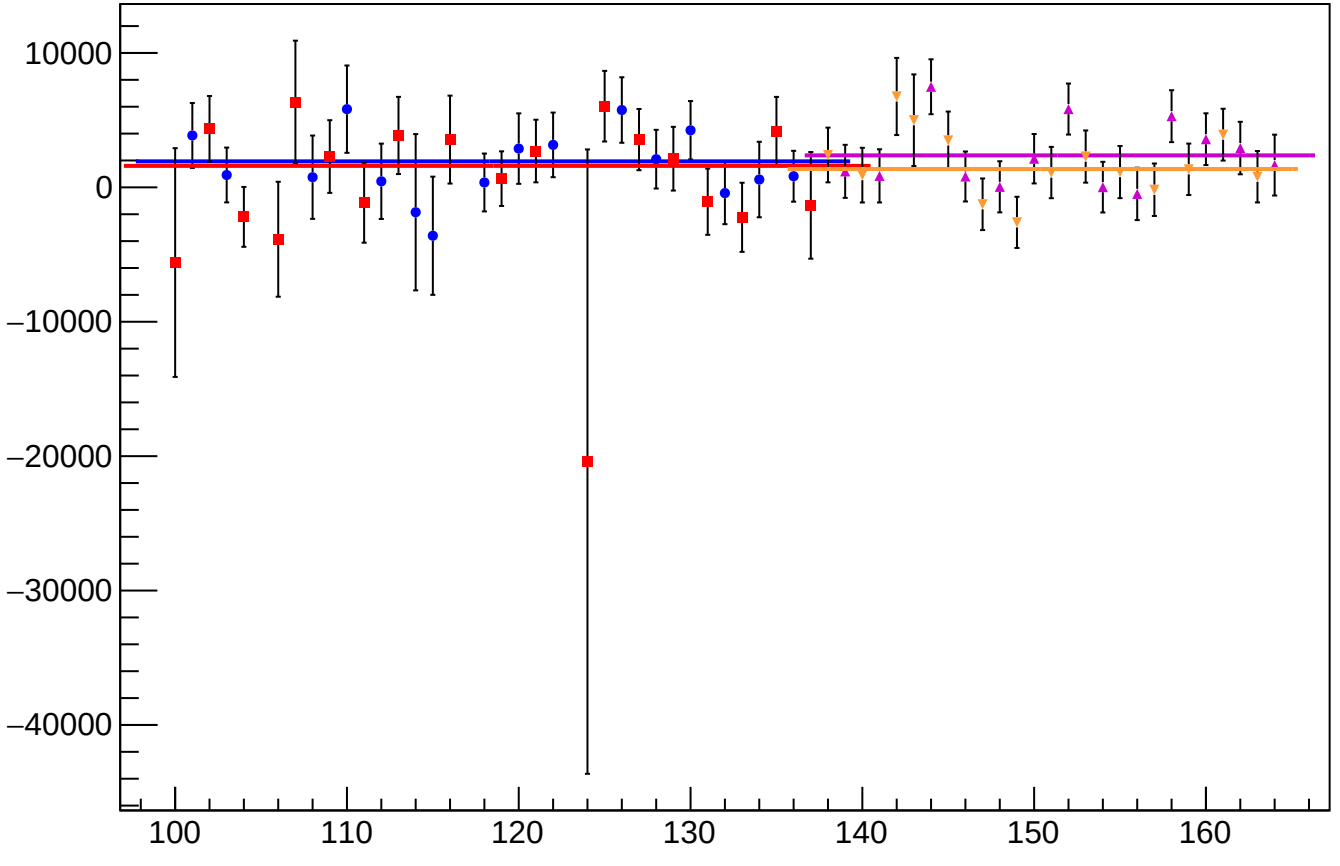
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:3577019.6/28

Out: 0.000+/-0.000 χ^2/NDF:5298871.0/32

All: 0.000+/-0.000 χ^2/NDF: 9182260.2/61

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1363.892+/-547.341 χ^2/NDF:14.9/13

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2379.934+/-539.926 χ^2/NDF:19.3/12

Left: 1878.842+/-384.380 χ^2/NDF: 36.0/26

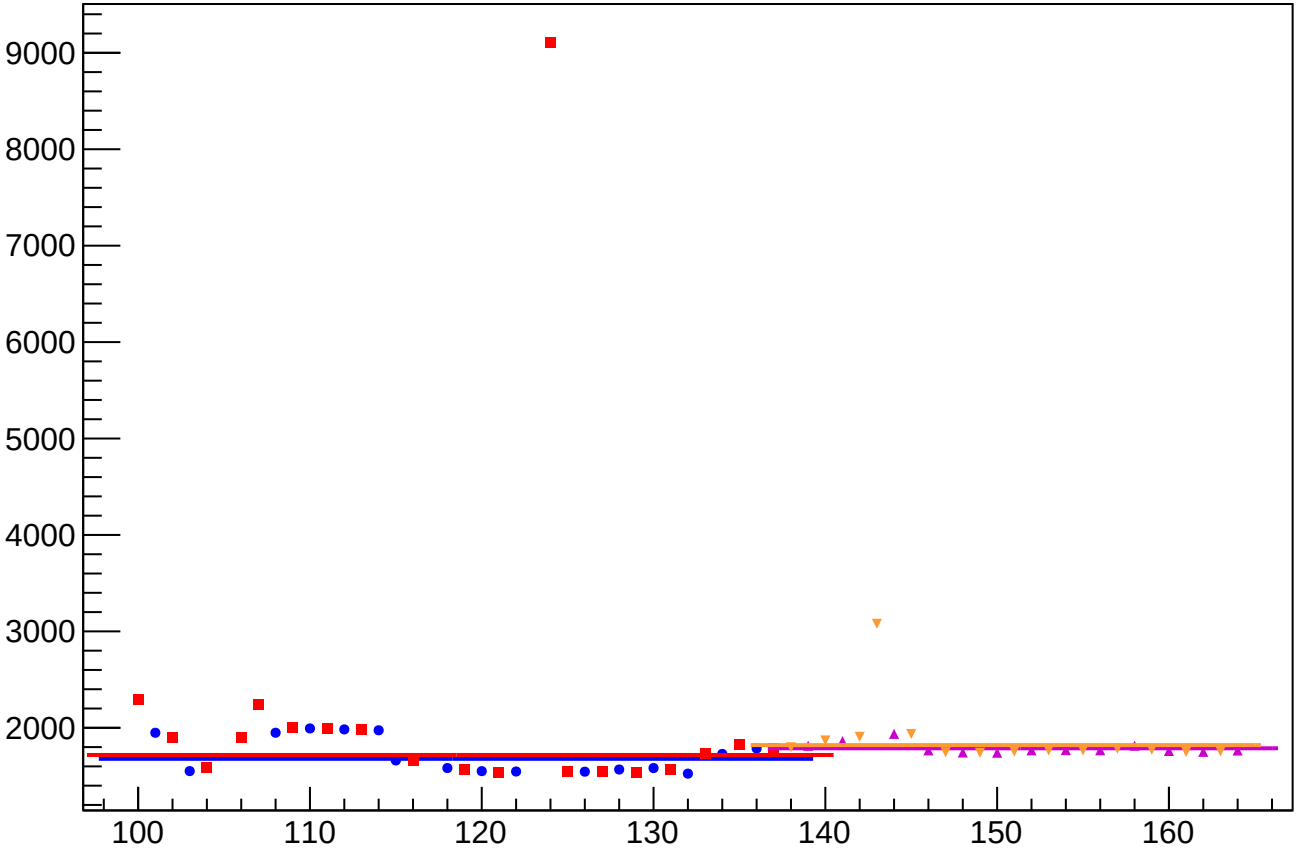
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2190.682+/-409.379 χ^2/NDF:30.5/28

Out: 1462.377+/-416.571 χ^2/NDF:34.4/32

All: 1832.871+/-291.984 χ^2/NDF: 66.5/61

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1820.621+/-0.387 χ^2/NDF:300660.0/13

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1787.450+/-0.382 χ^2/NDF:18834.4/12

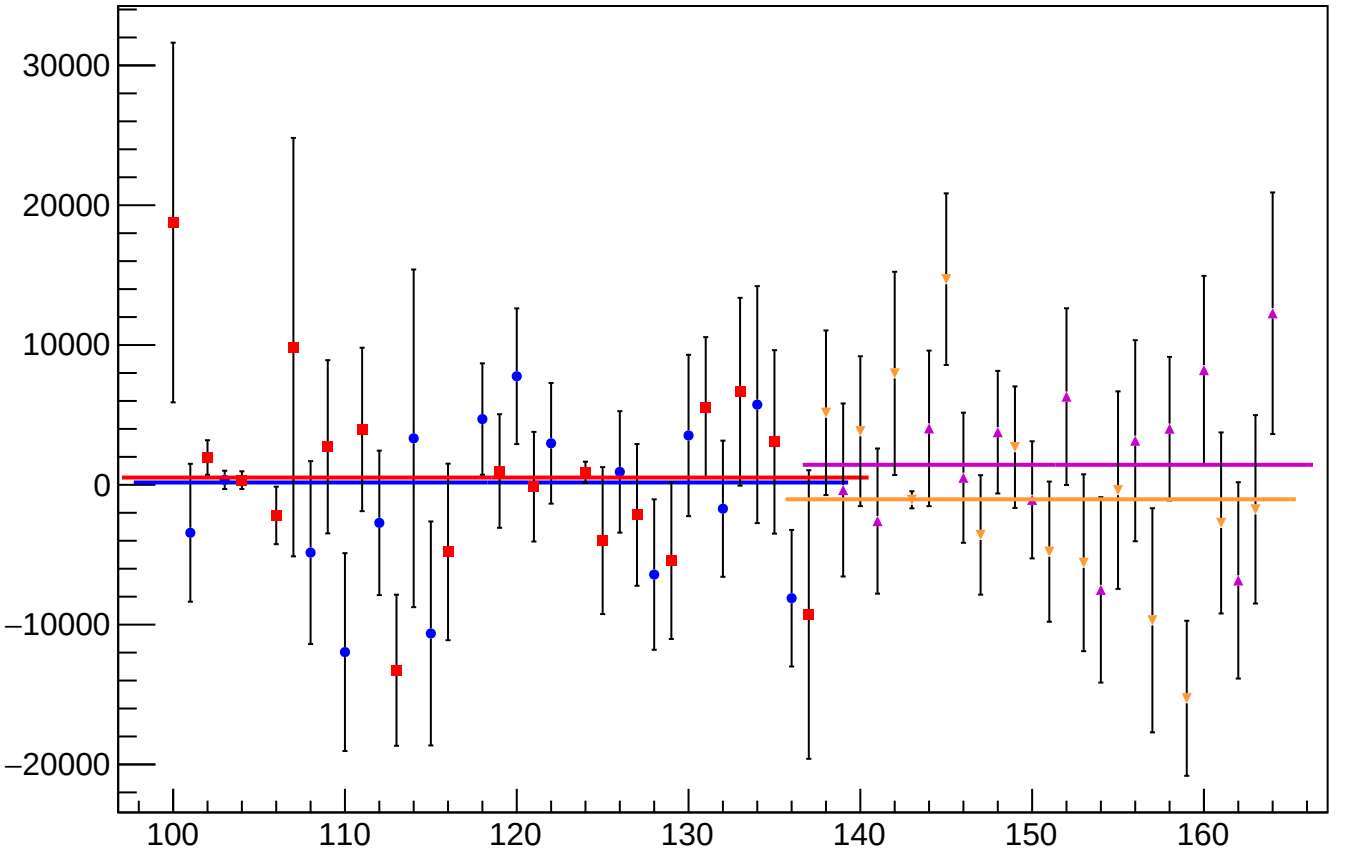
Left: 1803.809+/-0.272 χ^2/NDF: 323217.3/26

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1741.152+/-0.289 χ^2/NDF:194909.3/28

Out: 1777.338+/-0.294 χ^2/NDF:713402.2/32

All: 1758.966+/-0.206 χ^2/NDF: 916004.2/61



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -1035.418+/-569.839 χ^2/NDF:20.1/13

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 1432.698+/-1559.031 χ^2/NDF:8.3/12

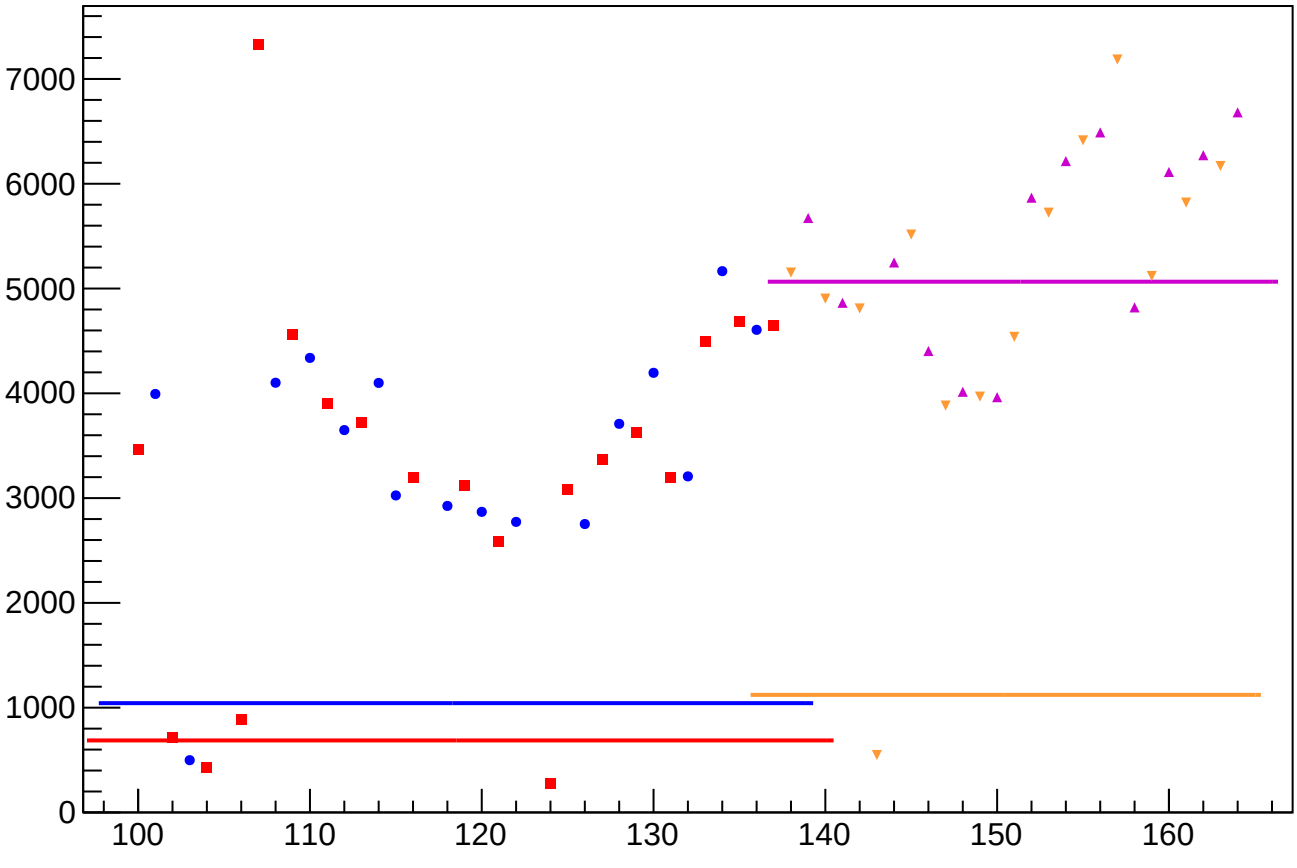
Left: -744.545+/-535.209 χ^2/NDF: 30.5/26

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 327.438+/-553.121 χ^2/NDF:24.7/28

Out: -34.895+/-340.570 χ^2/NDF:43.4/32

All: 64.709+/-290.005 χ^2/NDF: 68.4/61



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1122.202+/-0.403 χ^2/NDF:14401323.0/13

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5065.305+/-1.102 χ^2/NDF:671106.5/12

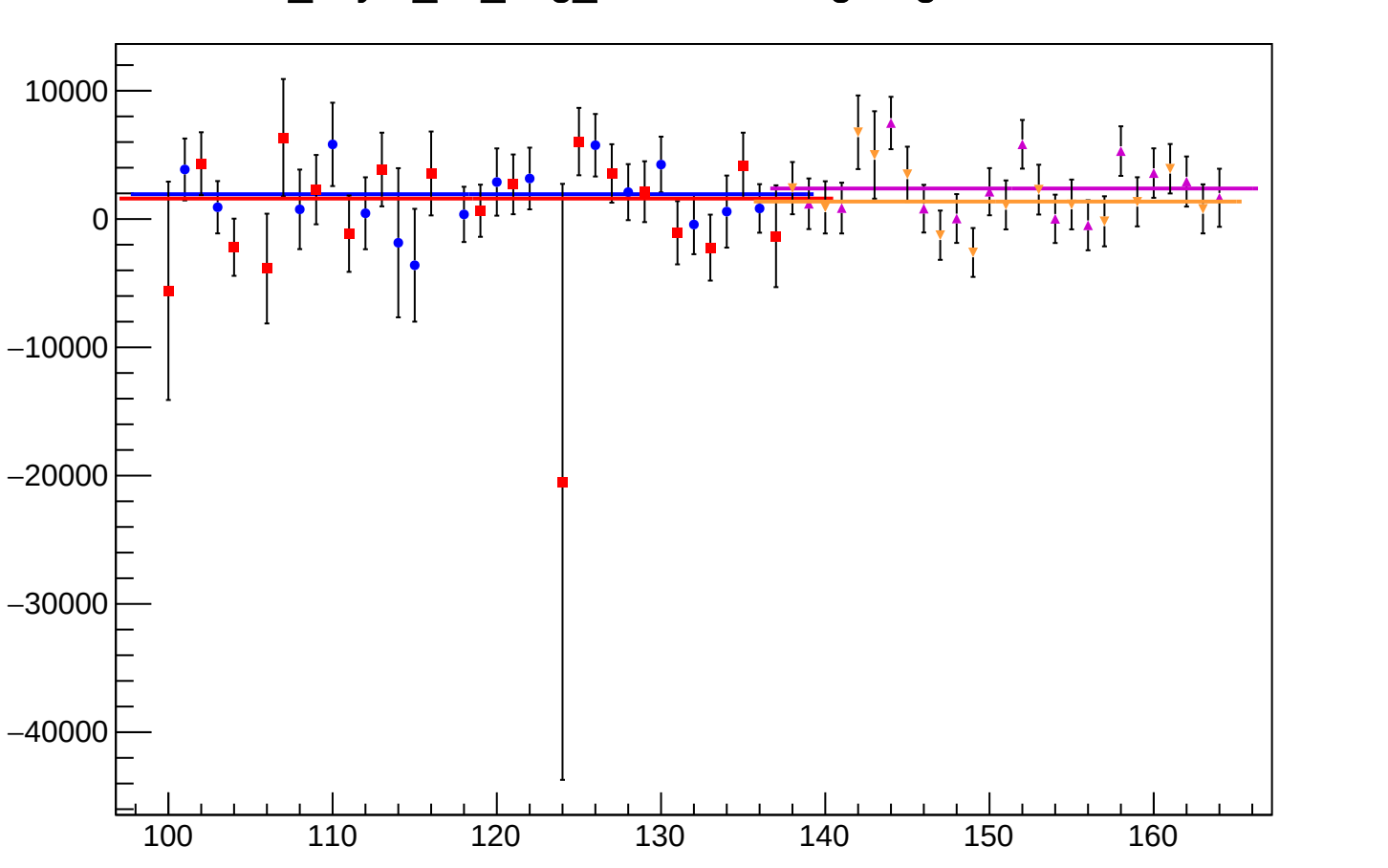
Left: 1586.904+/-0.378 χ^2/NDF: 26358379.1/26

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1549.400+/-0.391 χ^2/NDF:20419434.5/28

Out: 842.664+/-0.241 χ^2/NDF:23781586.7/32

All: 1036.944+/-0.205 χ^2/NDF: 46568592.3/6



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1363.895+/-547.341 χ^2/NDF:14.9/13

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2380.070+/-539.926 χ^2/NDF:19.3/12

Left: 1878.912+/-384.380 χ^2/NDF: 36.0/26

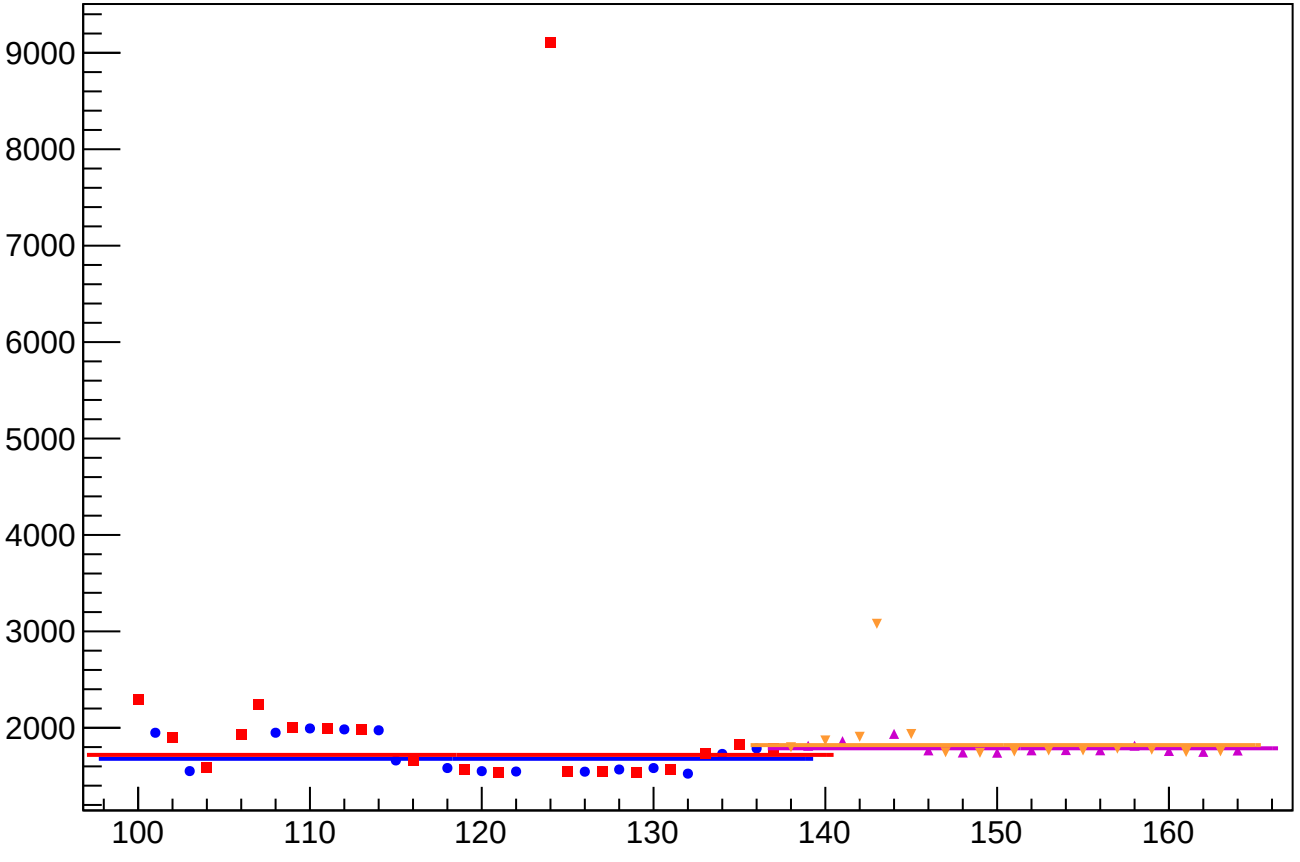
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2190.810+/-409.379 χ^2/NDF:30.5/28

Out: 1461.352+/-416.573 χ^2/NDF:34.4/32

All: 1832.434+/-291.985 χ^2/NDF: 66.4/61

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1820.621+/-0.387 χ^2/NDF:300660.0/13

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1787.450+/-0.382 χ^2/NDF:18834.4/12

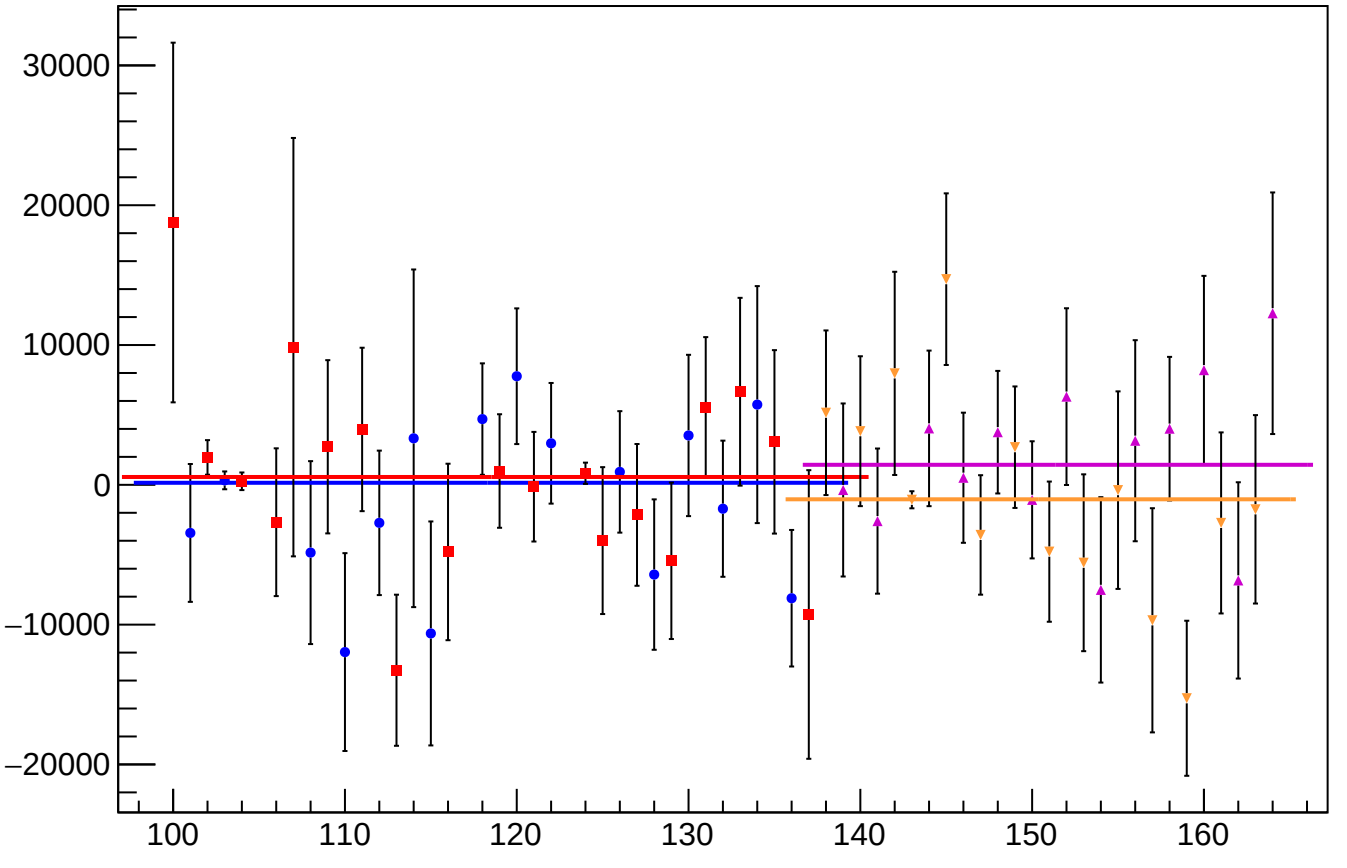
Left: 1803.809+/-0.272 χ^2/NDF: 323217.3/26

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1741.152+/-0.289 χ^2/NDF:194909.5/28

Out: 1777.715+/-0.294 χ^2/NDF:714648.6/32

All: 1759.148+/-0.206 χ^2/NDF: 917410.3/61



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1035.066+/-569.819 χ^2/NDF:20.1/13

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1432.840+/-1559.030 χ^2/NDF:8.3/12

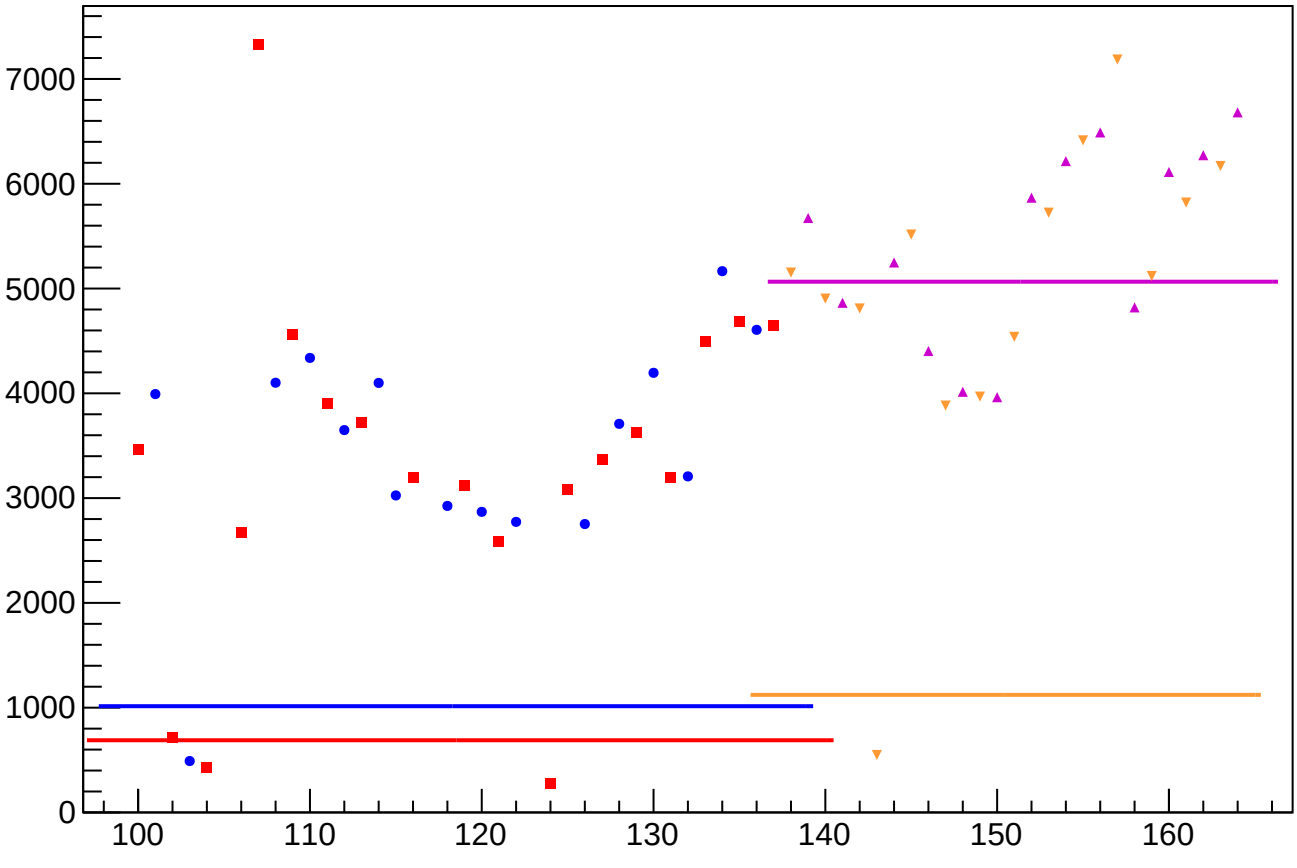
Left: -744.236+/-535.192 χ^2/NDF: 30.5/26

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 302.626+/-543.070 χ^2/NDF:24.7/28

Out: -18.891+/-343.552 χ^2/NDF:42.3/32

All: 73.004+/-290.334 χ^2/NDF: 67.2/61



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1122.141+/-0.403 χ^2/NDF:14401613.0/13

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5065.300+/-1.102 χ^2/NDF:671123.9/12

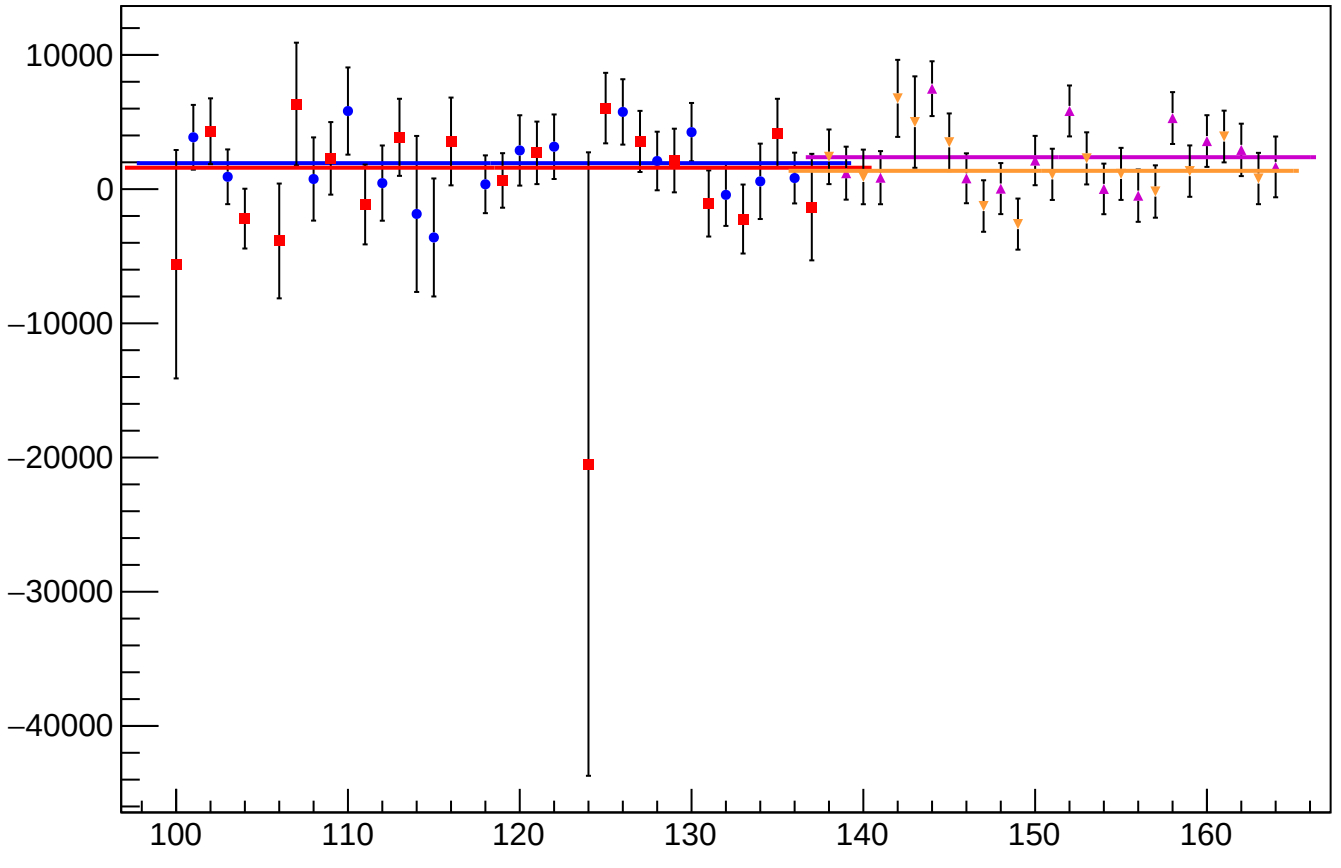
Left: 1586.821+/-0.378 χ^2/NDF: 26359113.3/26

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1505.667+/-0.384 χ^2/NDF:20760307.0/28

Out: 846.484+/-0.243 χ^2/NDF:24047338.5/32

All: 1034.888+/-0.205 χ^2/NDF: 46912103.0/6



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1363.895+/-547.341 χ^2/NDF:14.9/13

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2380.070+/-539.926 χ^2/NDF:19.3/12

Left: 1878.912+/-384.380 χ^2/NDF: 36.0/26

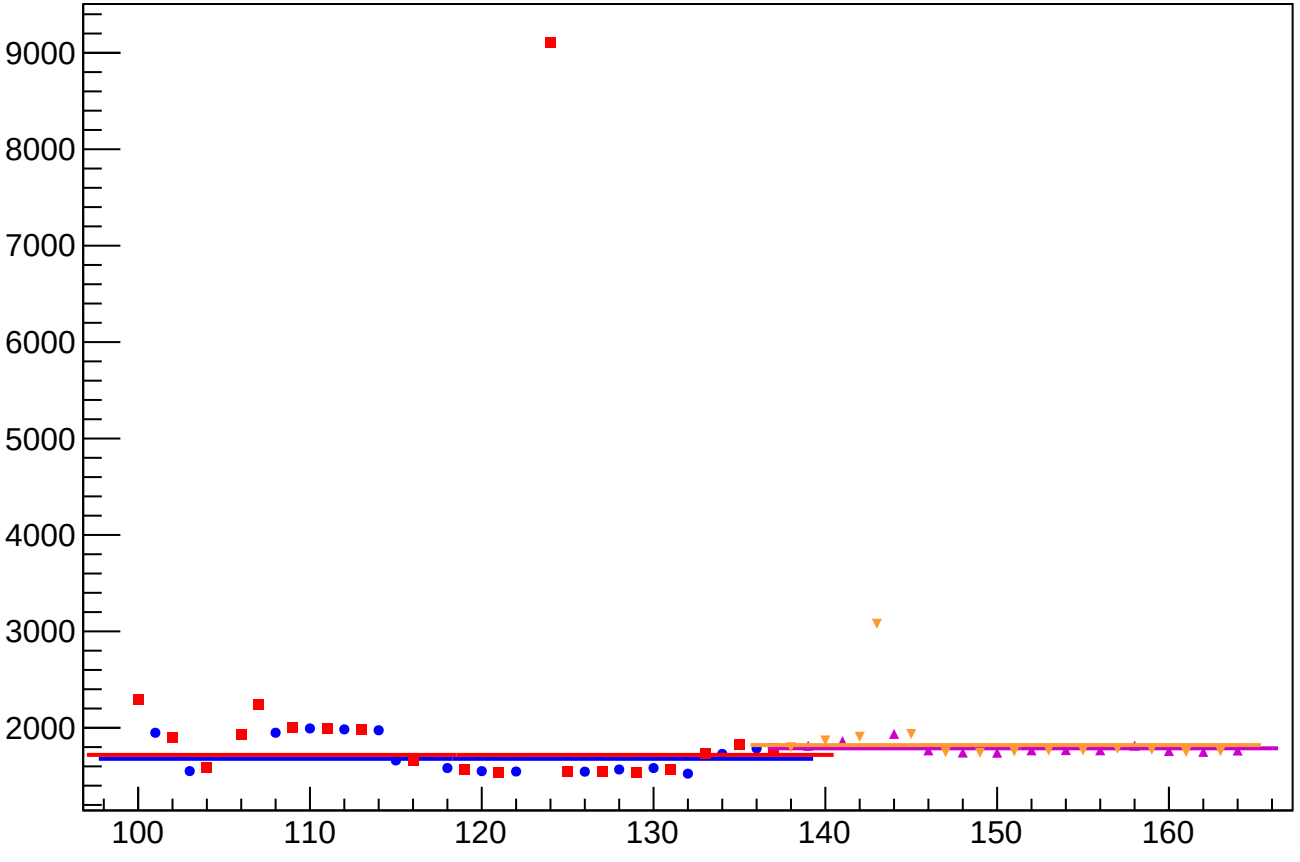
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2190.810+/-409.379 χ^2/NDF:30.5/28

Out: 1461.352+/-416.573 χ^2/NDF:34.4/32

All: 1832.434+/-291.985 χ^2/NDF: 66.4/61

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1820.621+/-0.387 χ^2/NDF:300660.0/13

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1787.450+/-0.382 χ^2/NDF:18834.4/12

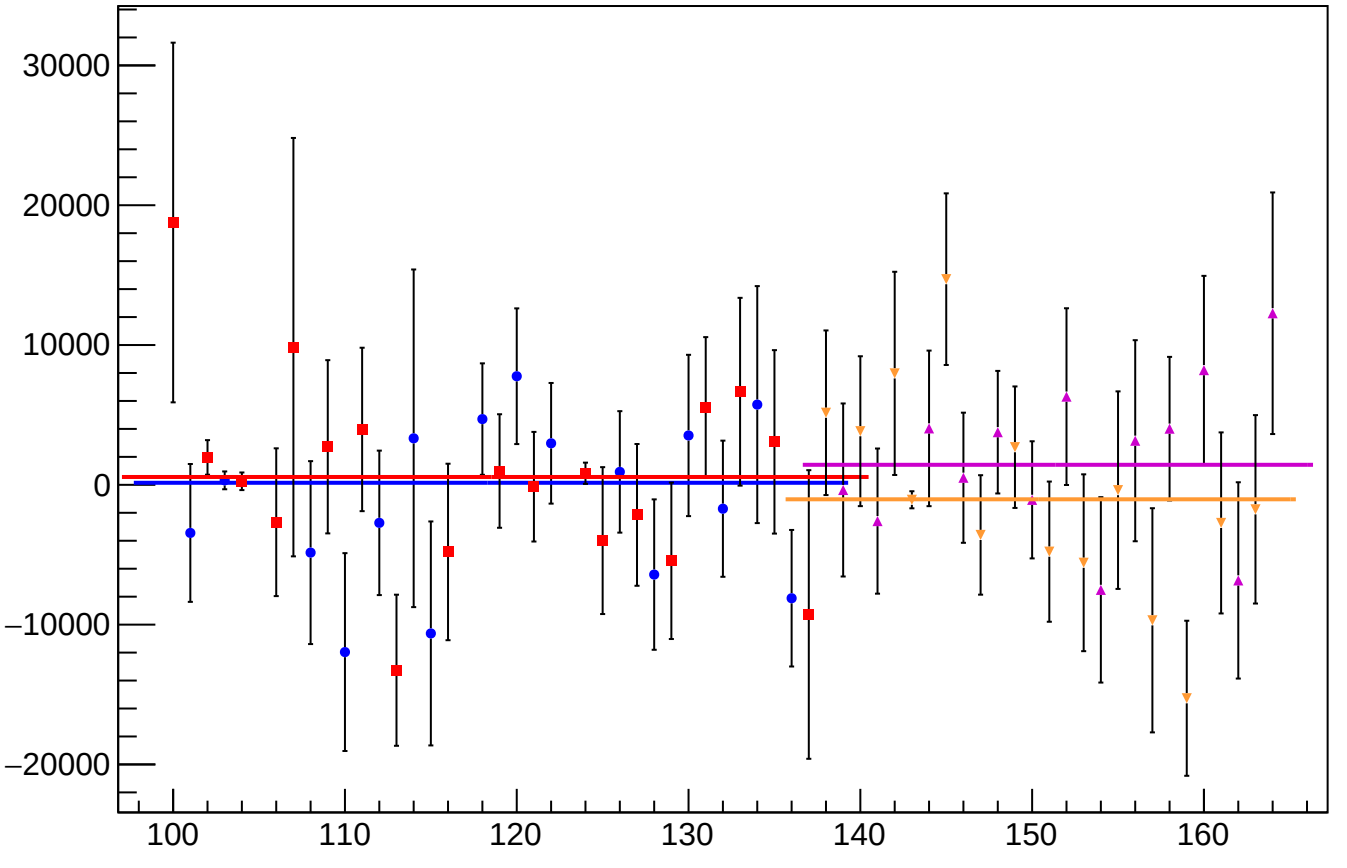
Left: 1803.809+/-0.272 χ^2/NDF: 323217.3/26

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1741.152+/-0.289 χ^2/NDF:194909.5/28

Out: 1777.715+/-0.294 χ^2/NDF:714648.6/32

All: 1759.148+/-0.206 χ^2/NDF: 917410.3/61



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1035.066+/-569.819 χ^2/NDF:20.1/13

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1432.840+/-1559.030 χ^2/NDF:8.3/12

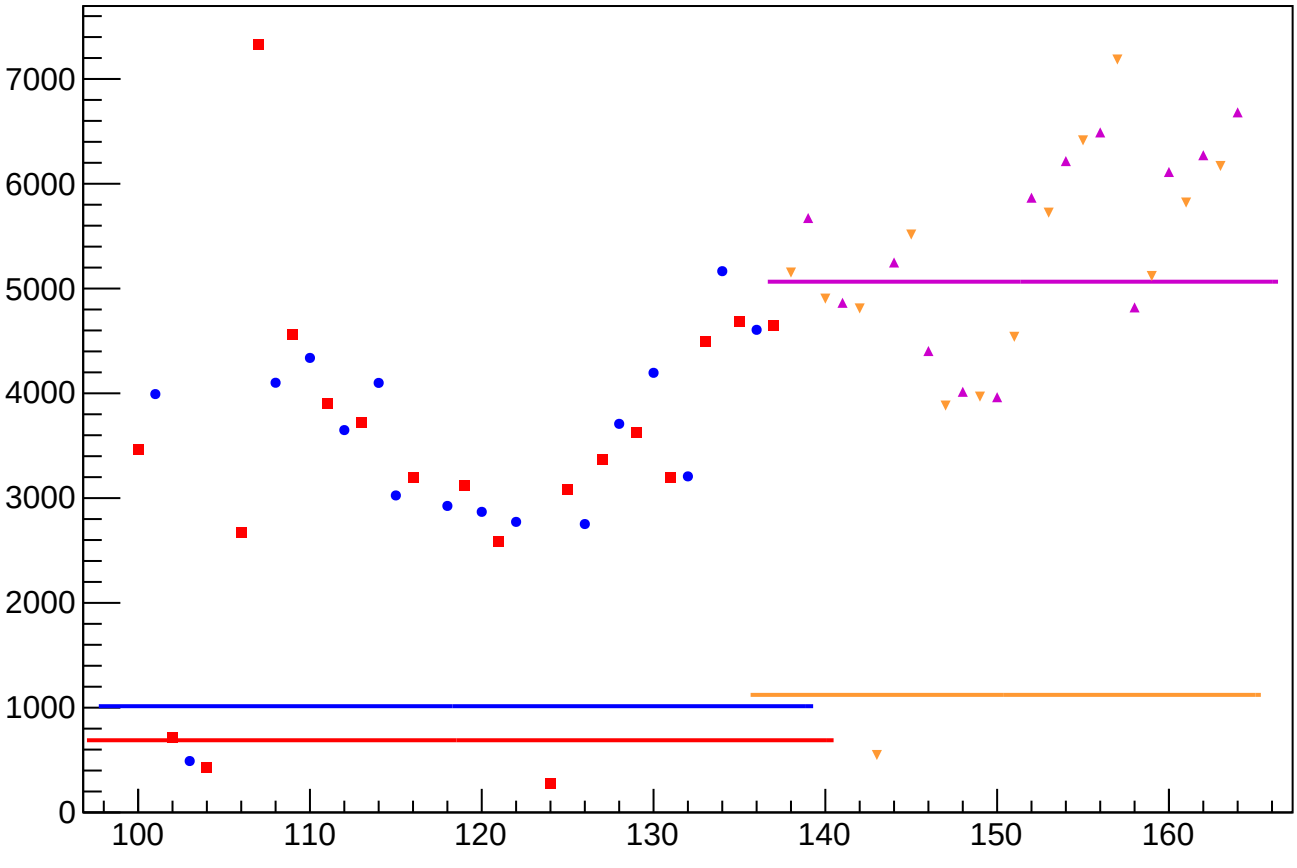
Left: -744.236+/-535.192 χ^2/NDF: 30.5/26

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 302.626+/-543.070 χ^2/NDF:24.7/28

Out: -18.891+/-343.552 χ^2/NDF:42.3/32

All: 73.004+/-290.334 χ^2/NDF: 67.2/61



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1122.141+/-0.403 χ^2/NDF:14401613.0/13

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5065.300+/-1.102 χ^2/NDF:671123.9/12

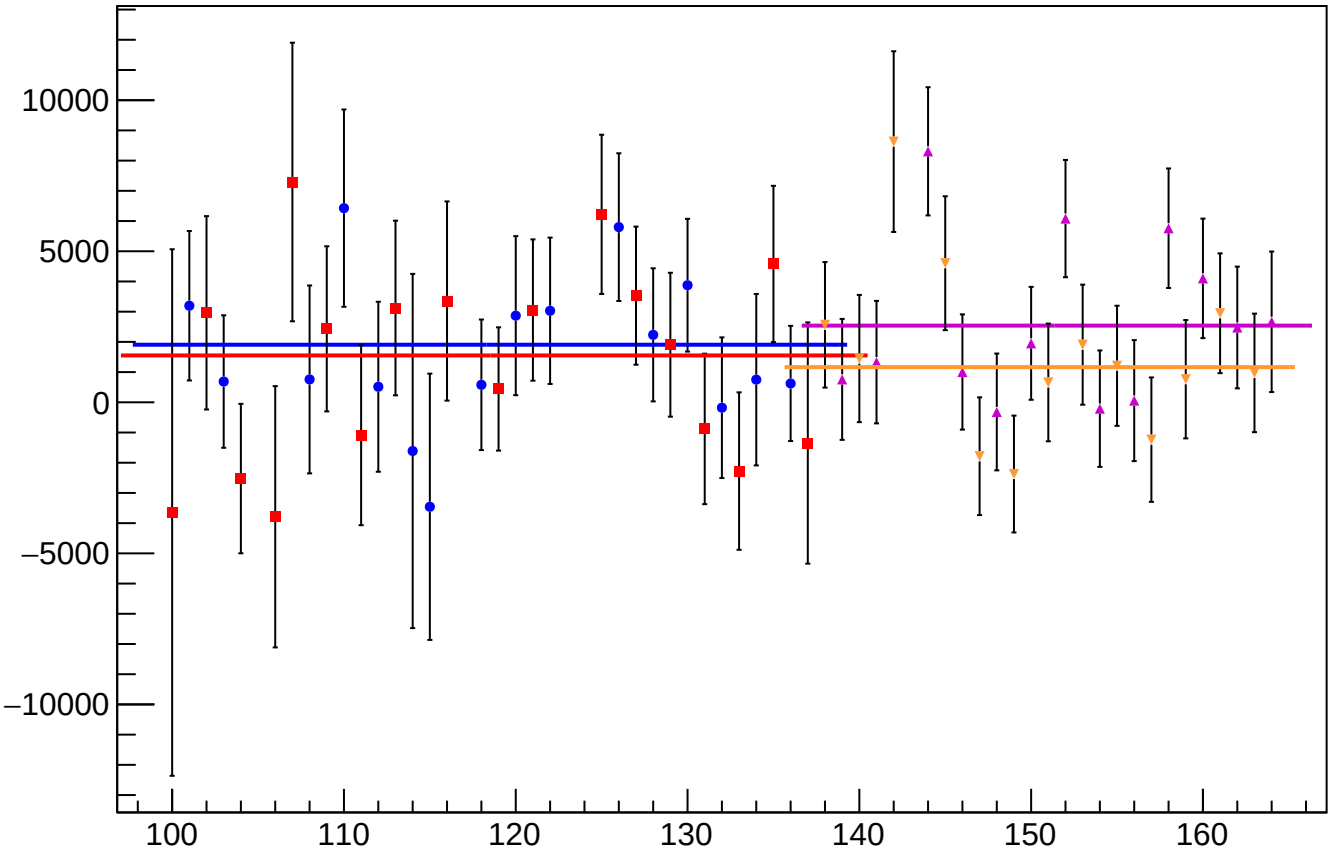
Left: 1586.821+/-0.378 χ^2/NDF: 26359113.3/26

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1505.667+/-0.384 χ^2/NDF:20760307.0/28

Out: 846.484+/-0.243 χ^2/NDF:24047338.5/32

All: 1034.888+/-0.205 χ^2/NDF: 46912103.0/6



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1164.502+/-569.417 χ^2/NDF:17.2/12

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2538.770+/-552.982 χ^2/NDF:21.7/12

Left: 1871.754+/-396.700 χ^2/NDF: 41.8/25

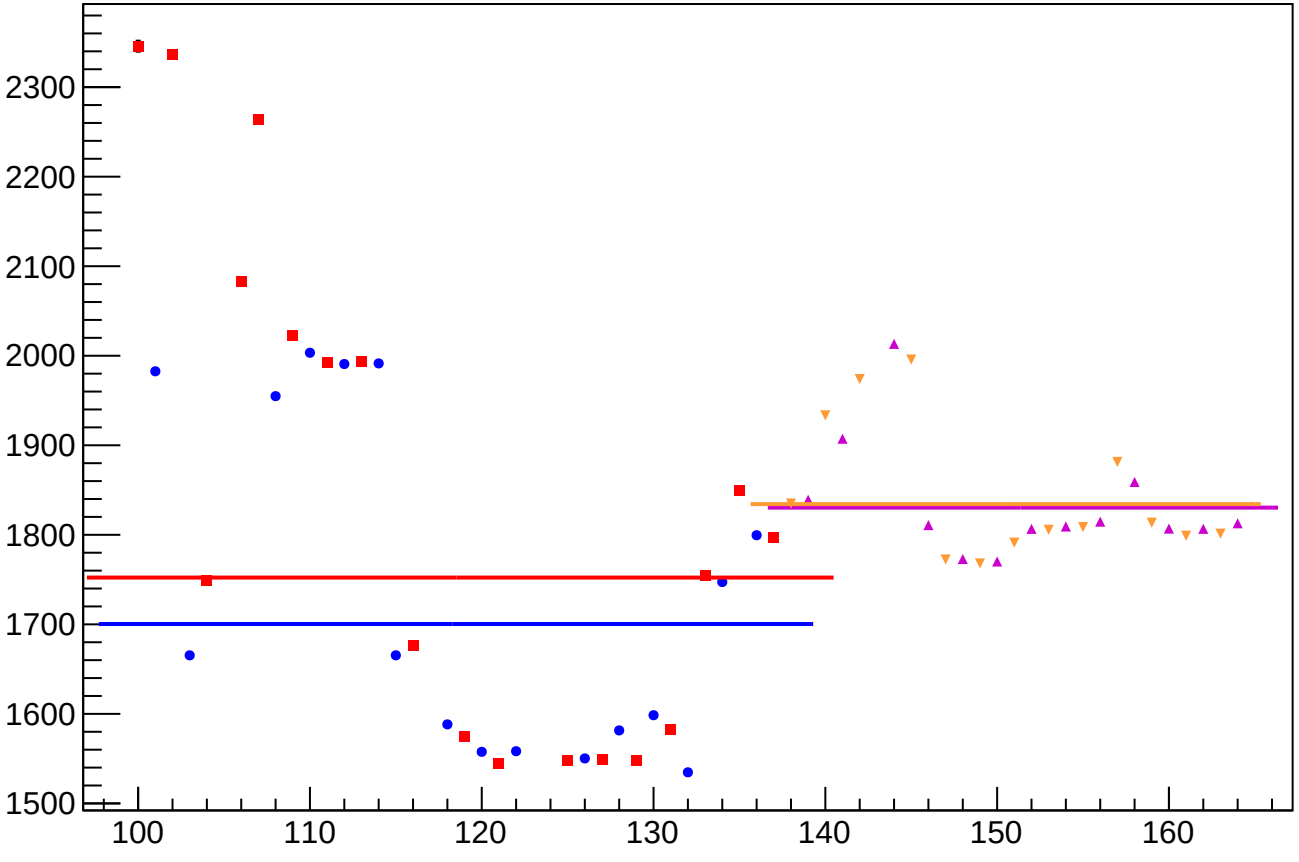
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2266.652+/-417.426 χ^2/NDF:32.4/28

Out: 1329.120+/-431.429 χ^2/NDF:34.8/30

All: 1813.348+/-299.993 χ^2/NDF: 69.7/59

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1834.297+/-0.403 χ^2/NDF:27973.3/12

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1830.367+/-0.391 χ^2/NDF:23573.3/12

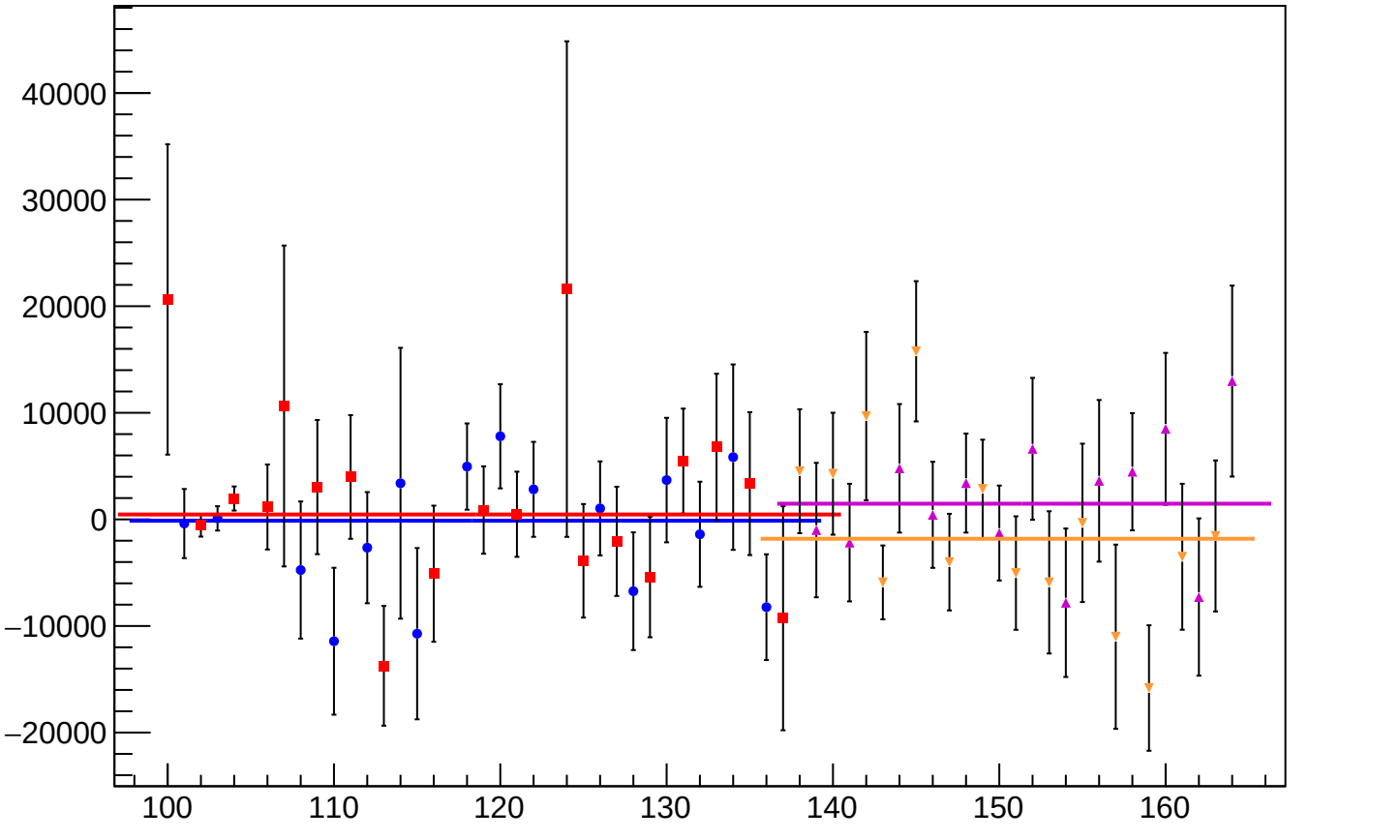
Left: 1832.274+/-0.281 χ^2/NDF: 51595.6/25

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1774.439+/-0.295 χ^2/NDF:206549.3/28

Out: 1799.254+/-0.305 χ^2/NDF:293663.7/30

All: 1786.449+/-0.212 χ^2/NDF: 503633.9/59



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1817.401+/-1511.595 χ^2/NDF:21.9/13

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 1471.949+/-1651.013 χ^2/NDF:8.3/12

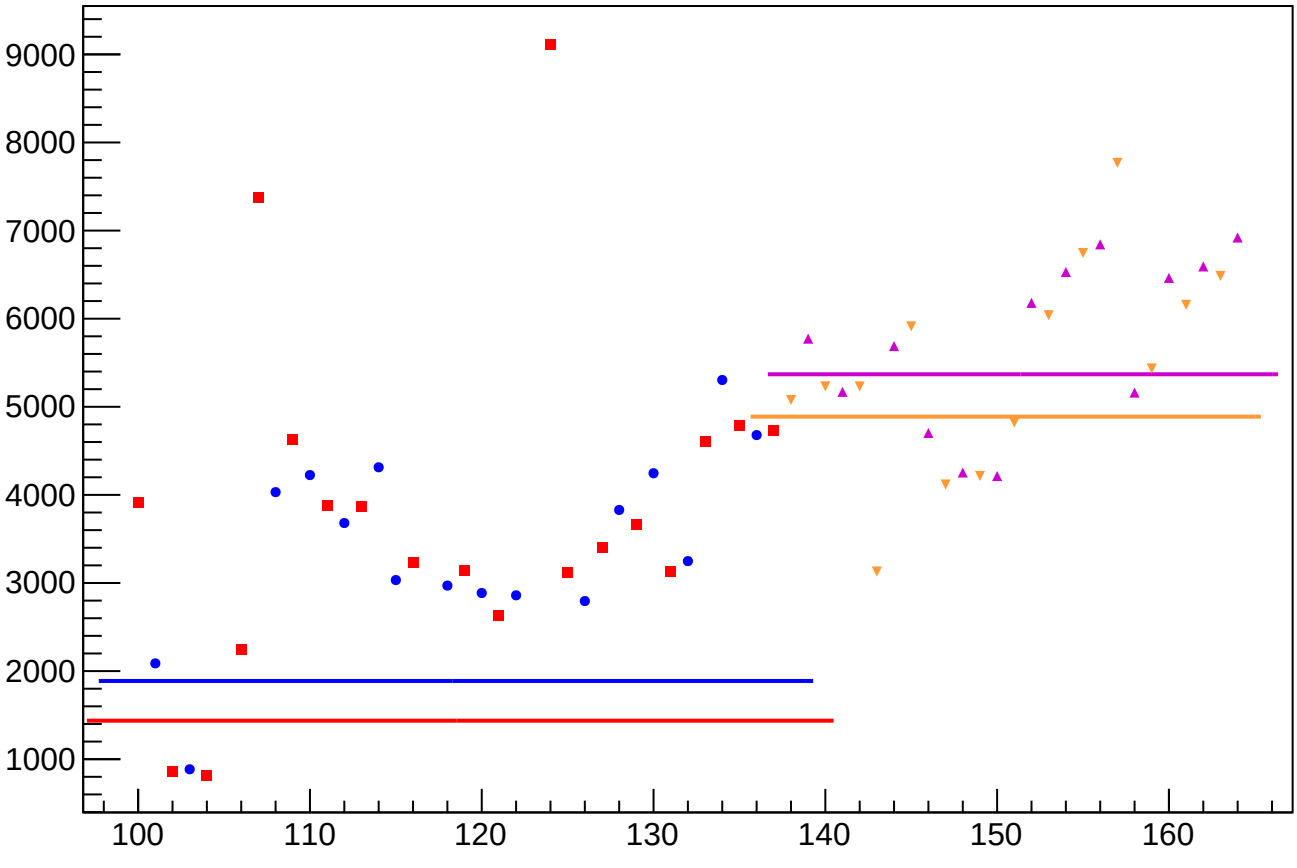
Left: -317.450+/-1114.895 χ^2/NDF: 32.3/26

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 220.226+/-768.046 χ^2/NDF:24.1/28

Out: 77.009+/-619.500 χ^2/NDF:42.3/32

All: 133.459+/-482.194 χ^2/NDF: 66.4/61



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4888.196+/-1.069 χ^2/NDF:1272114.2/13

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5369.112+/-1.167 χ^2/NDF:627963.3/12

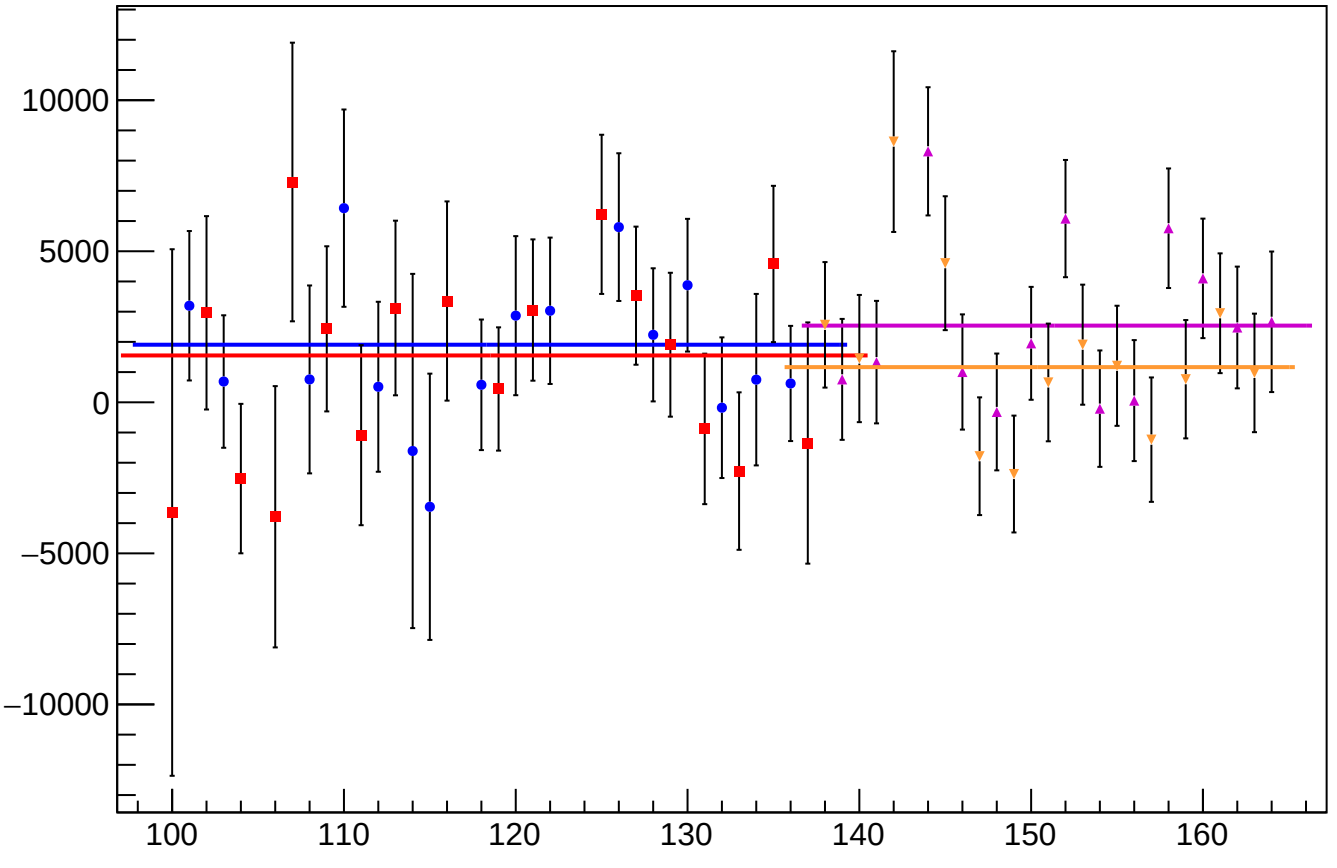
Left: 5107.495+/-0.788 χ^2/NDF: 1992391.1/26

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2641.340+/-0.543 χ^2/NDF:12020809.8/28

Out: 2016.761+/-0.438 χ^2/NDF:15910198.4/32

All: 2262.943+/-0.341 χ^2/NDF: 28732298.9/6



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1164.499+/-569.417 χ^2/NDF:17.2/12

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2538.771+/-552.983 χ^2/NDF:21.7/12

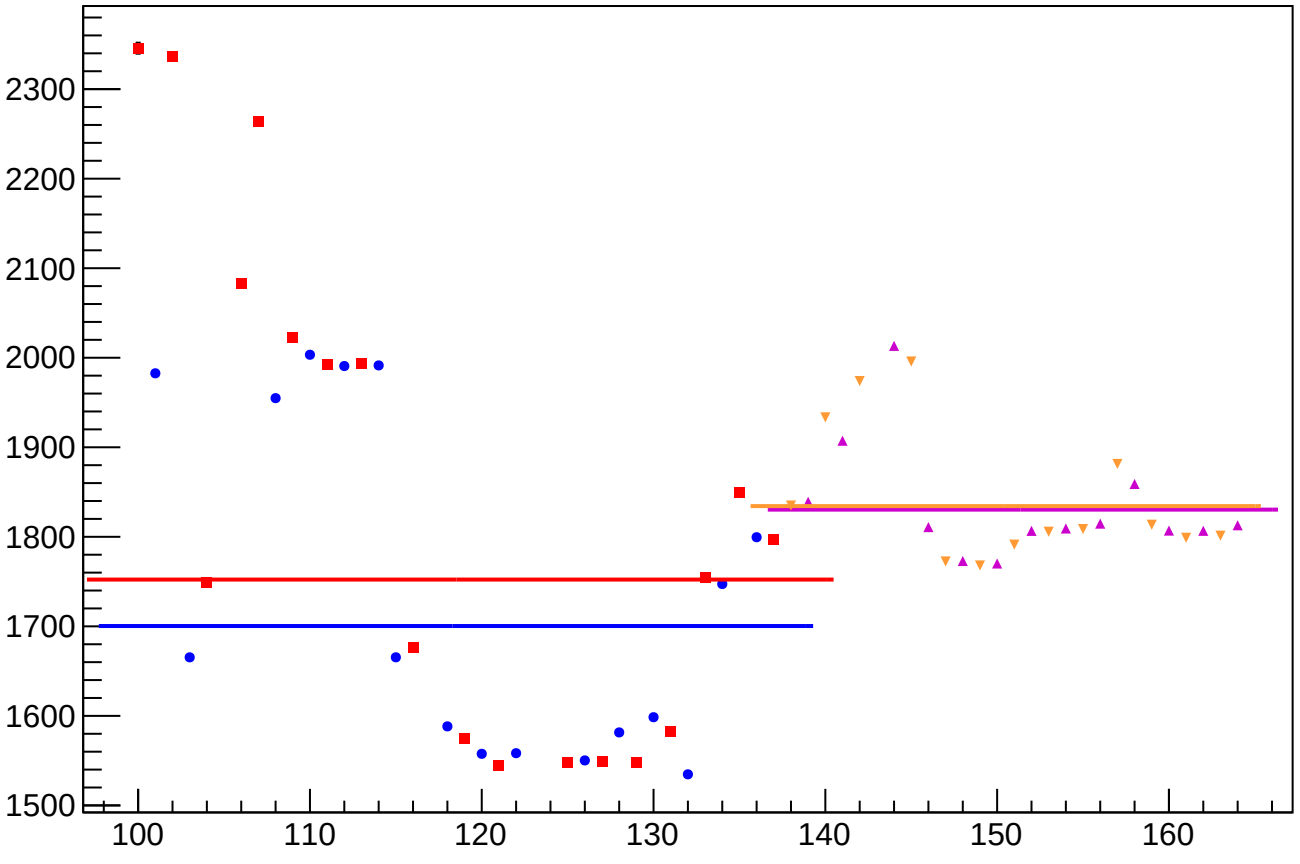
Left: 1871.753+/-396.701 χ^2/NDF: 41.8/25

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2266.652+/-417.426 χ^2/NDF:32.4/28

Out: 1329.117+/-431.430 χ^2/NDF:34.8/30

All: 1813.347+/-299.993 χ^2/NDF: 69.7/59



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1834.298+/-0.403 χ^2/NDF:27973.8/12

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1830.368+/-0.391 χ^2/NDF:23573.5/12

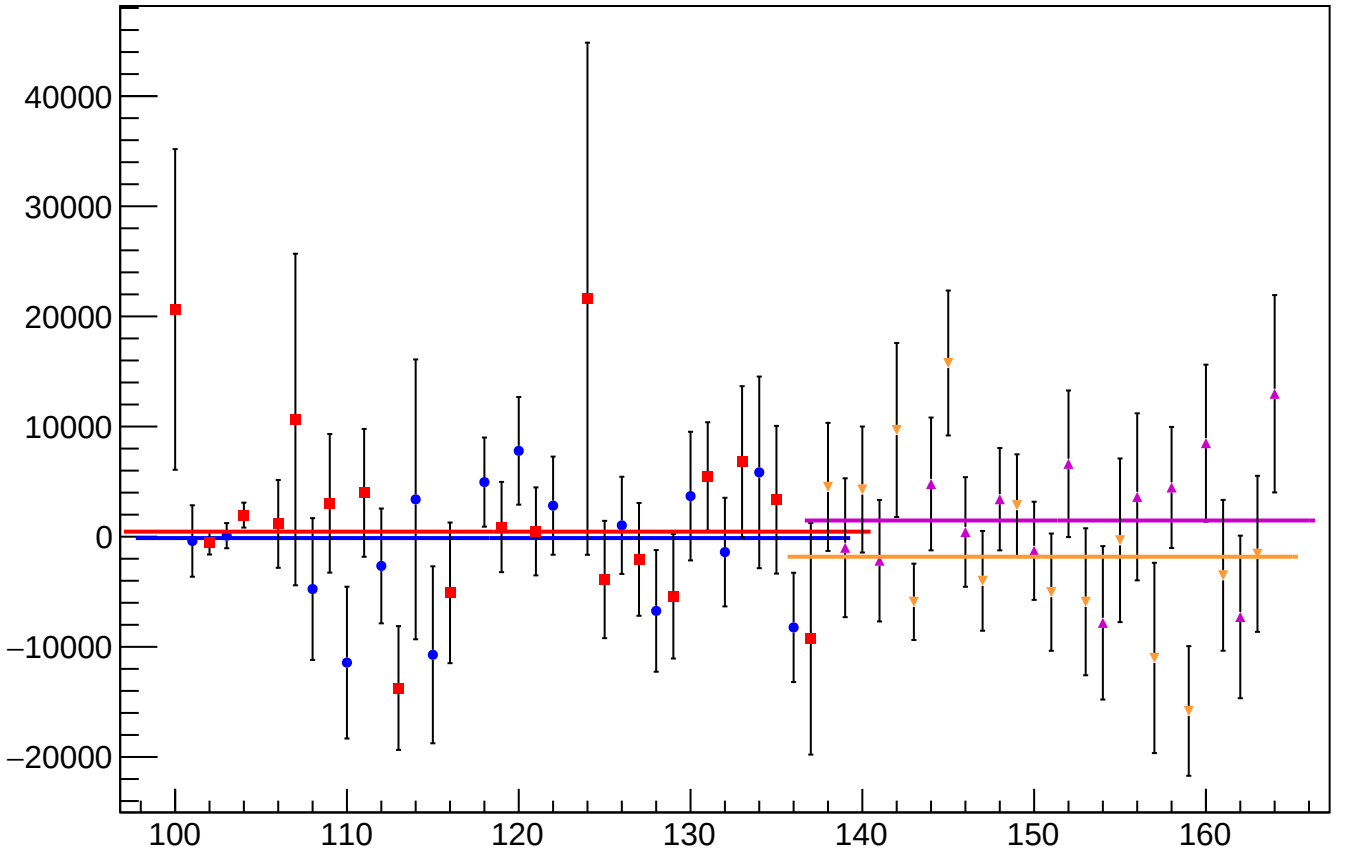
Left: 1832.276+/-0.281 χ^2/NDF: 51596.4/25

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1774.440+/-0.295 χ^2/NDF:206550.9/28

Out: 1799.254+/-0.305 χ^2/NDF:293664.5/30

All: 1786.450+/-0.212 χ^2/NDF: 503636.3/59



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1817.407+/-1511.597 χ^2/NDF:21.9/13

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 1471.949+/-1651.015 χ^2/NDF:8.3/12

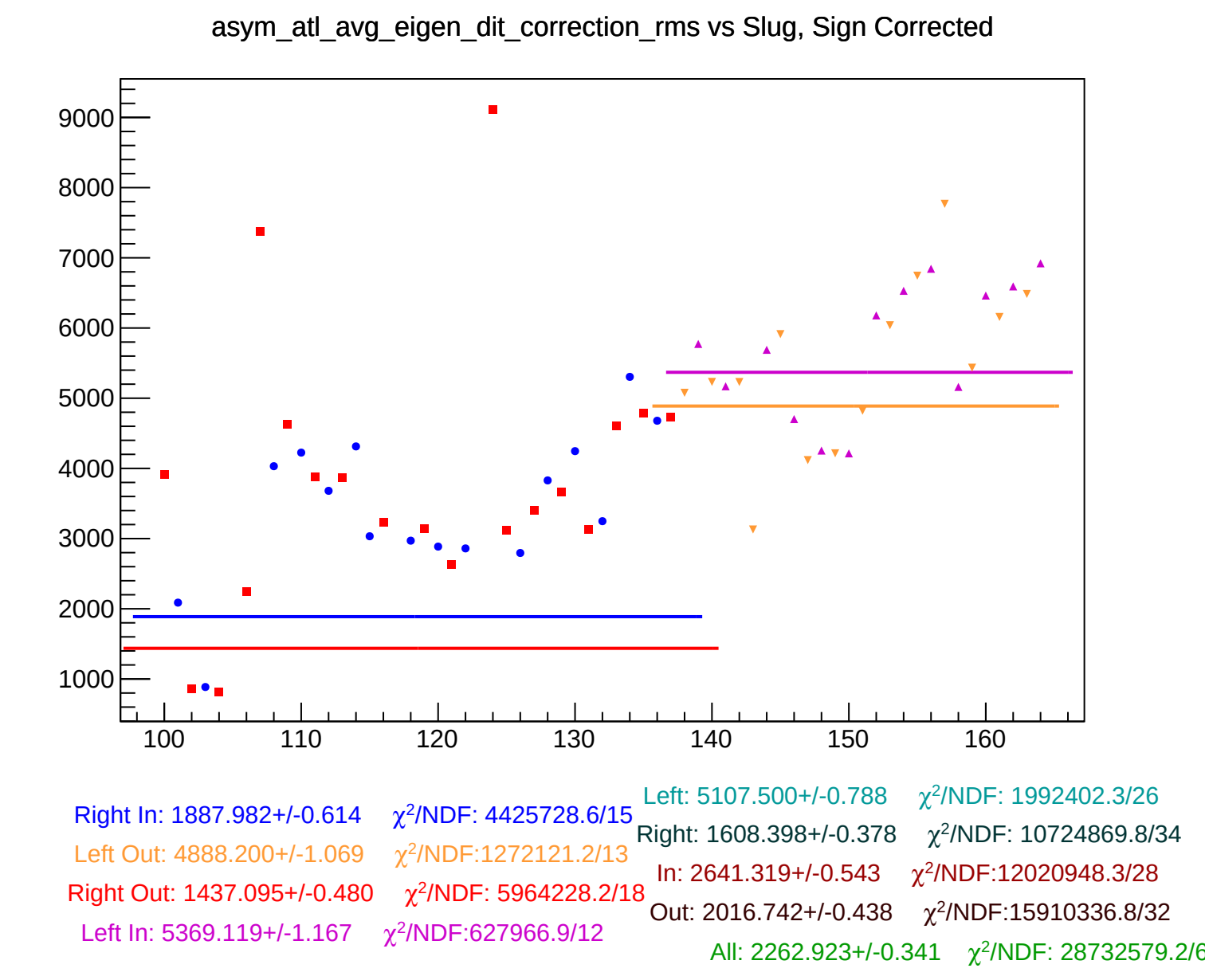
Left: -317.453+/-1114.896 χ^2/NDF: 32.3/26

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

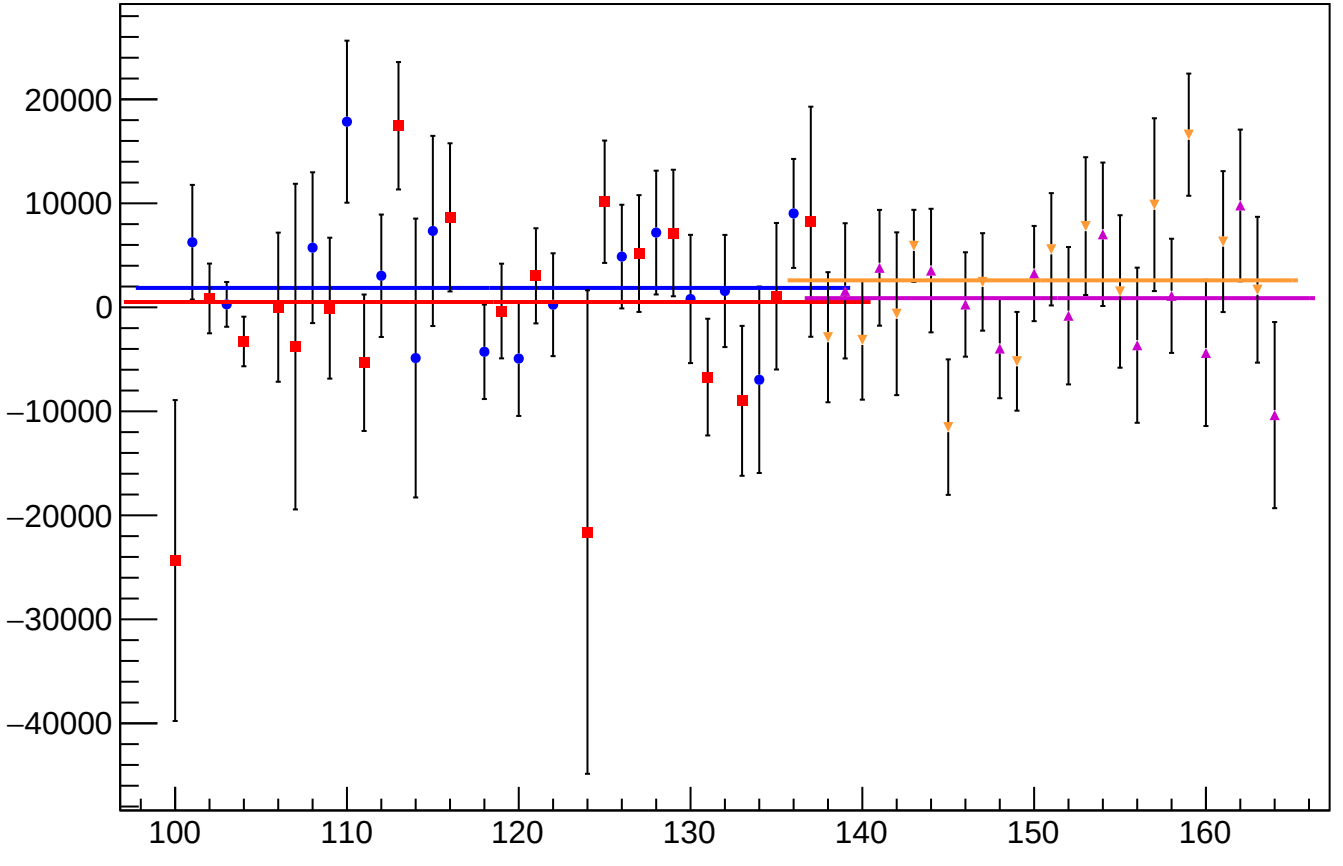
In: 220.225+/-768.042 χ^2/NDF:24.1/28

Out: 77.012+/-619.497 χ^2/NDF:42.3/32

All: 133.461+/-482.191 χ^2/NDF: 66.4/61


asym_atl_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1887.982+/-0.614 χ²/NDF: 4425728.6/15
Left Out: 4888.200+/-1.069 χ²/NDF:1272121.2/13
Right Out: 1437.095+/-0.480 χ²/NDF: 5964228.2/18
Left In: 5369.119+/-1.167 χ²/NDF:627966.9/12
Left: 5107.500+/-0.788 χ²/NDF: 1992402.3/26
Right: 1608.398+/-0.378 χ²/NDF: 10724869.8/34
In: 2641.319+/-0.543 χ²/NDF:12020948.3/28
Out: 2016.742+/-0.438 χ²/NDF:15910336.8/32
All: 2262.923+/-0.341 χ²/NDF: 28732579.2/6

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 2596.763+/-1524.473 χ^2/NDF:17.9/13

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 882.917+/-1661.962 χ^2/NDF:6.7/12

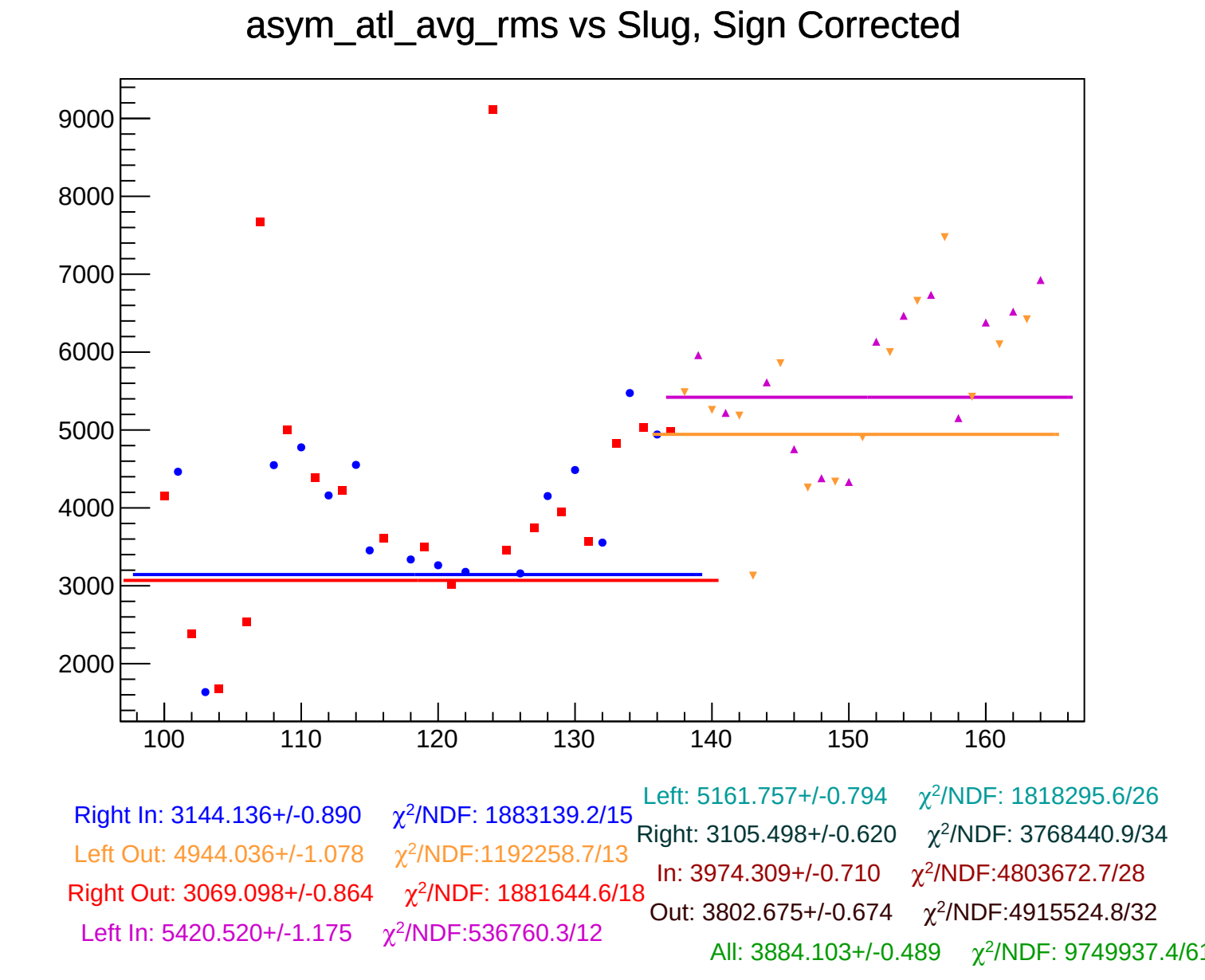
Left: 1813.652+/-1123.432 χ^2/NDF: 25.2/26

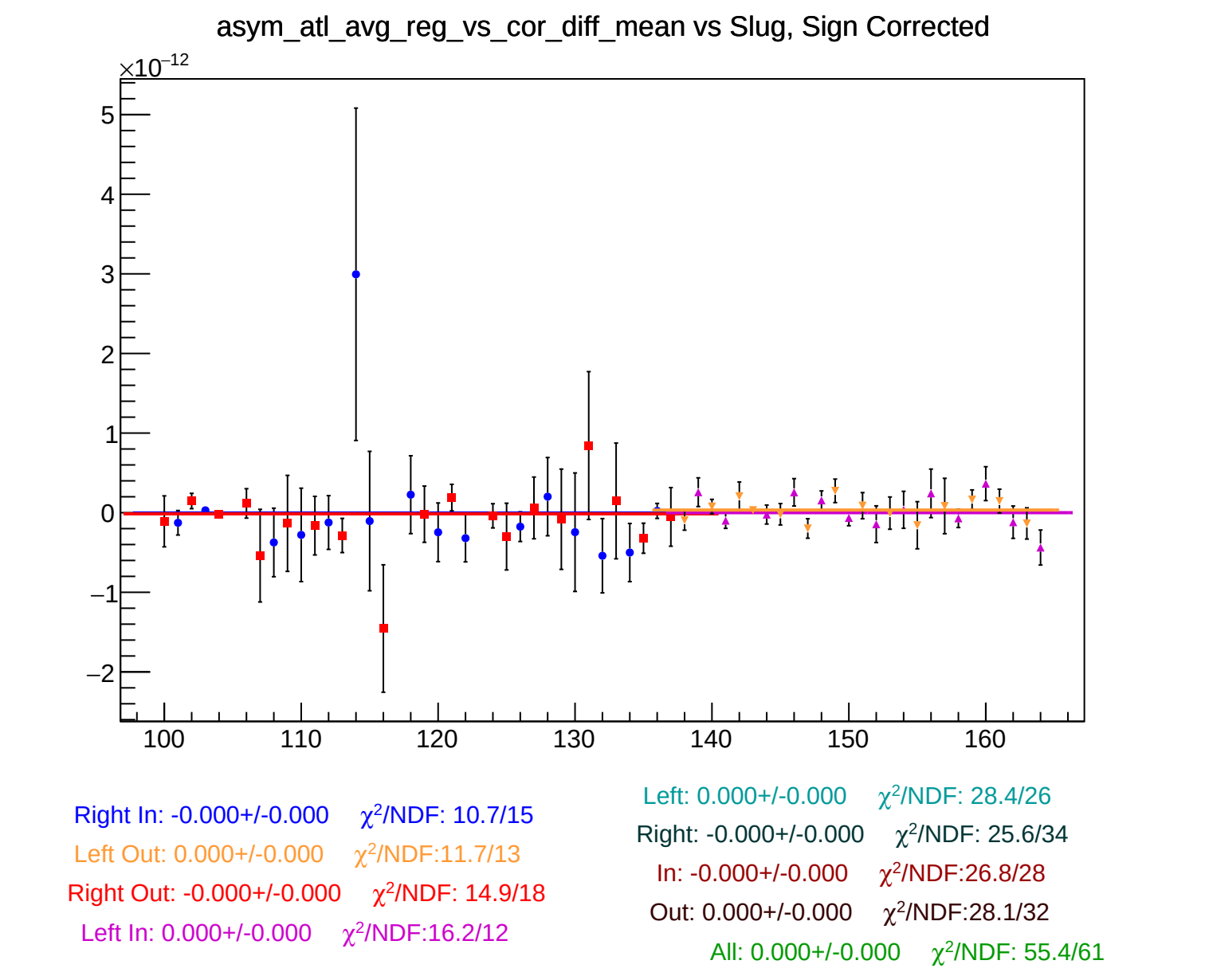
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

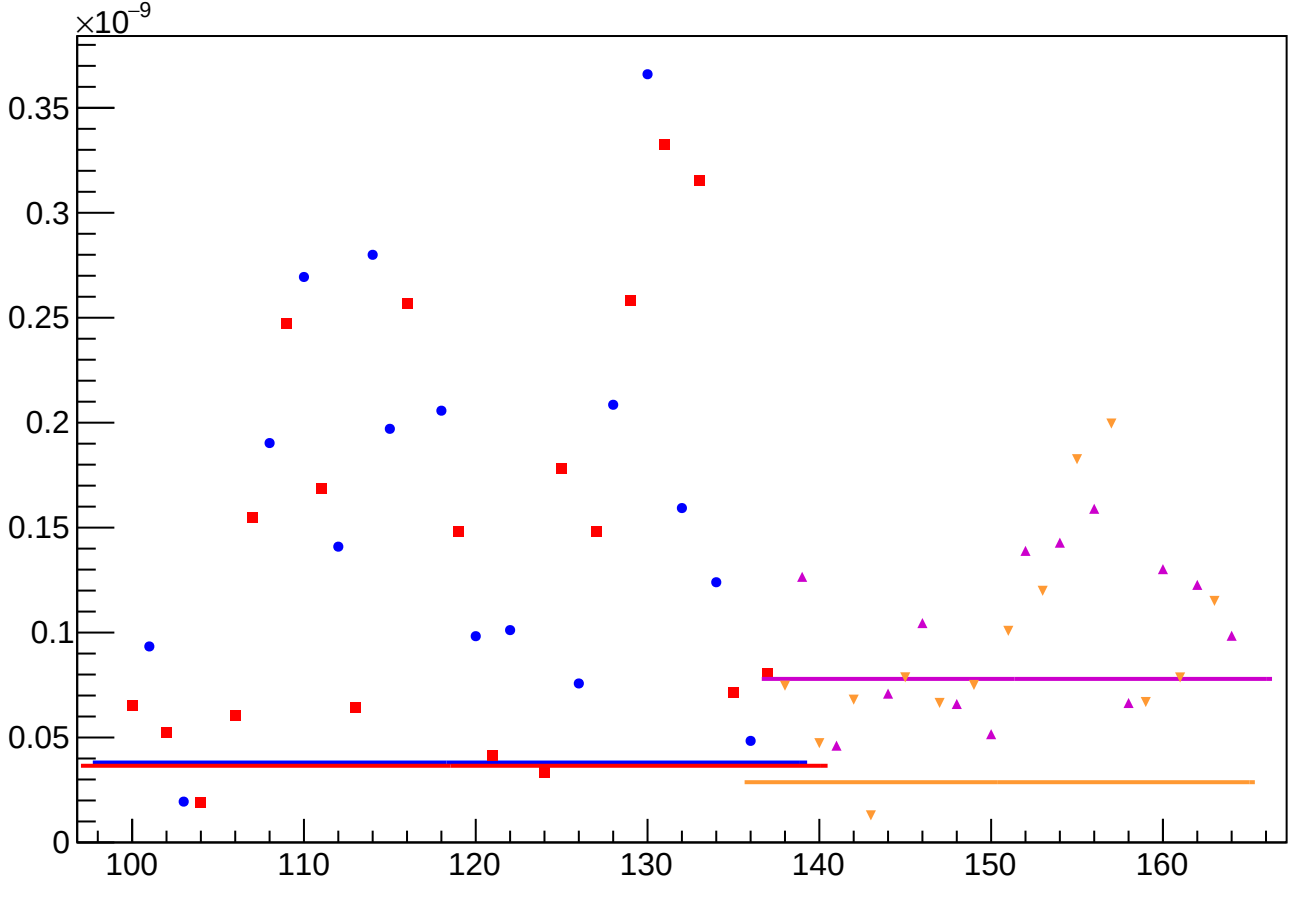
In: 1507.872+/-1003.652 χ^2/NDF:20.7/28

Out: 1343.637+/-962.666 χ^2/NDF:43.7/32

All: 1422.333+/-694.745 χ^2/NDF: 64.4/61


asym_atl_avg_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3144.136+/-0.890 χ²/NDF: 1883139.2/15
Left Out: 4944.036+/-1.078 χ²/NDF:1192258.7/13
Right Out: 3069.098+/-0.864 χ²/NDF: 1881644.6/18
Left In: 5420.520+/-1.175 χ²/NDF:536760.3/12
Left: 5161.757+/-0.794 χ²/NDF: 1818295.6/26
Right: 3105.498+/-0.620 χ²/NDF: 3768440.9/34
In: 3974.309+/-0.710 χ²/NDF:4803672.7/28
Out: 3802.675+/-0.674 χ²/NDF:4915524.8/32
All: 3884.103+/-0.489 χ²/NDF: 9749937.4/61


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:11.7/13
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: 0.000+/-0.000 χ²/NDF:16.2/12
Left: 0.000+/-0.000 χ²/NDF: 28.4/26
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: -0.000+/-0.000 χ²/NDF:26.8/28
Out: 0.000+/-0.000 χ²/NDF:28.1/32
All: 0.000+/-0.000 χ²/NDF: 55.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4655522.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1270787.4/12

Left: 0.000+/-0.000 χ^2/NDF: 8274818.2/26

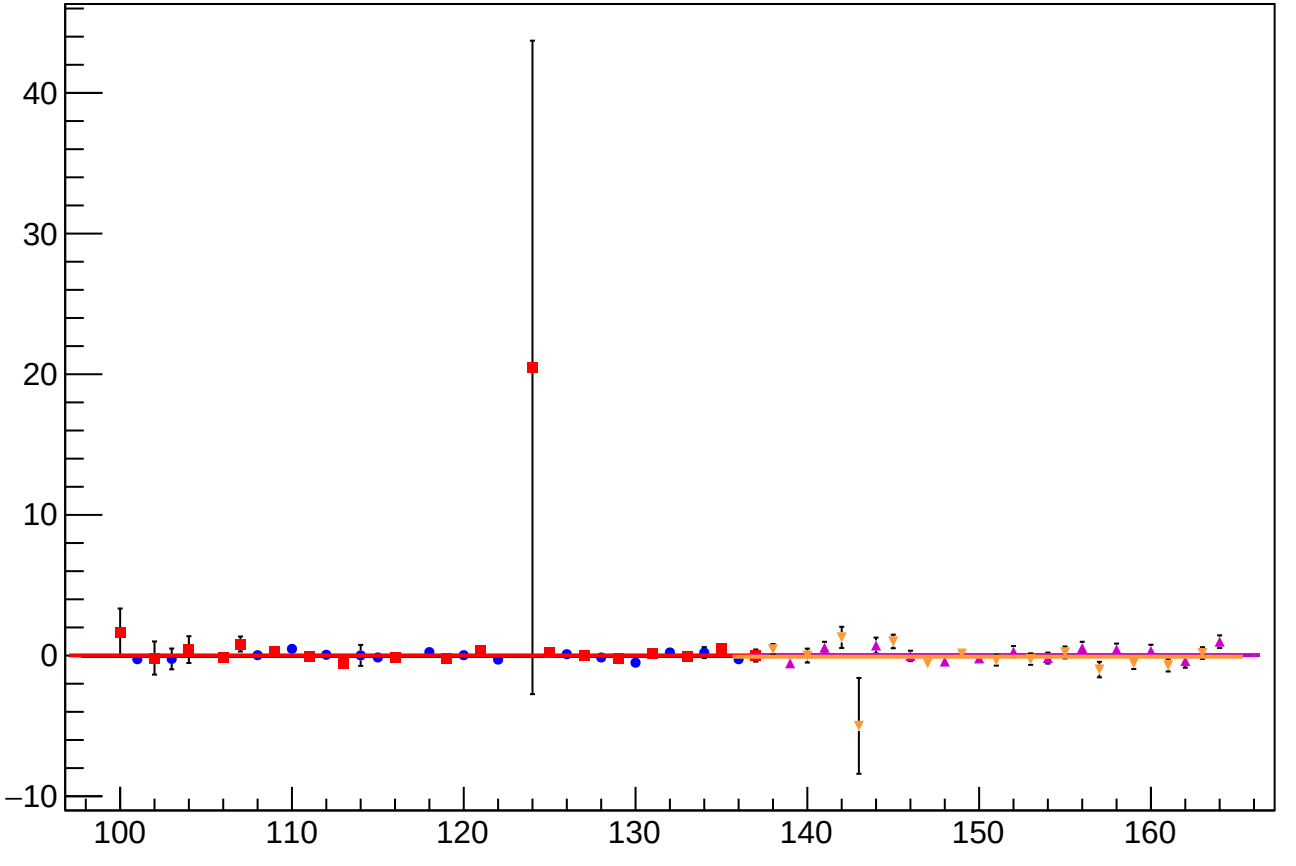
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5289961.2/28

Out: 0.000+/-0.000 χ^2/NDF:7422389.2/32

All: 0.000+/-0.000 χ^2/NDF: 13852255.4/61

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: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.037+/-0.108 χ^2/NDF:18.7/12

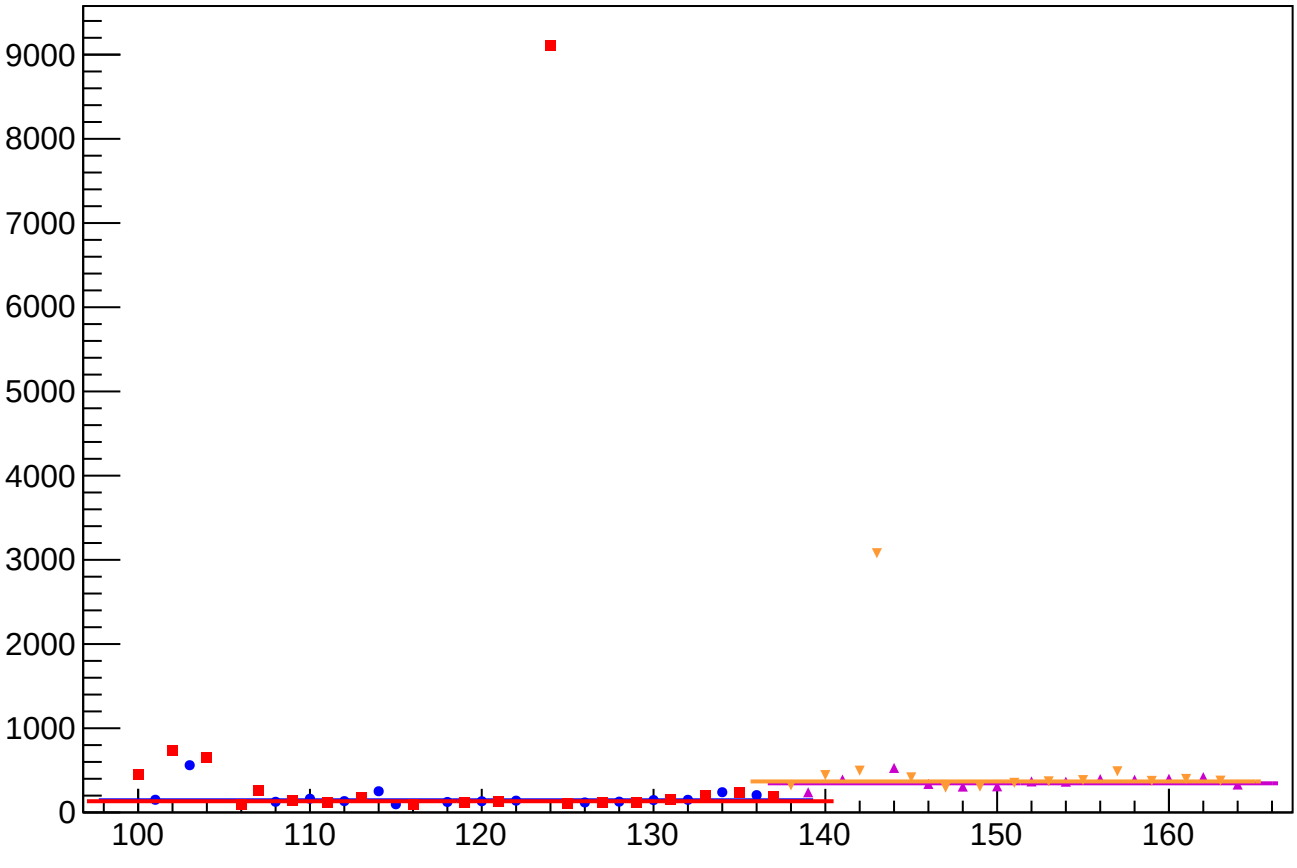
Left: -0.018+/-0.079 χ^2/NDF: 41.6/26

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.014+/-0.051 χ^2/NDF:36.2/28

Out: -0.007+/-0.051 χ^2/NDF:44.7/32

All: -0.011+/-0.036 χ^2/NDF: 80.9/61



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 368.420+/-0.082 χ^2/NDF:1702528.5/13

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 346.087+/-0.076 χ^2/NDF:727620.4/12

Left: 356.431+/-0.056 χ^2/NDF: 2469833.4/26

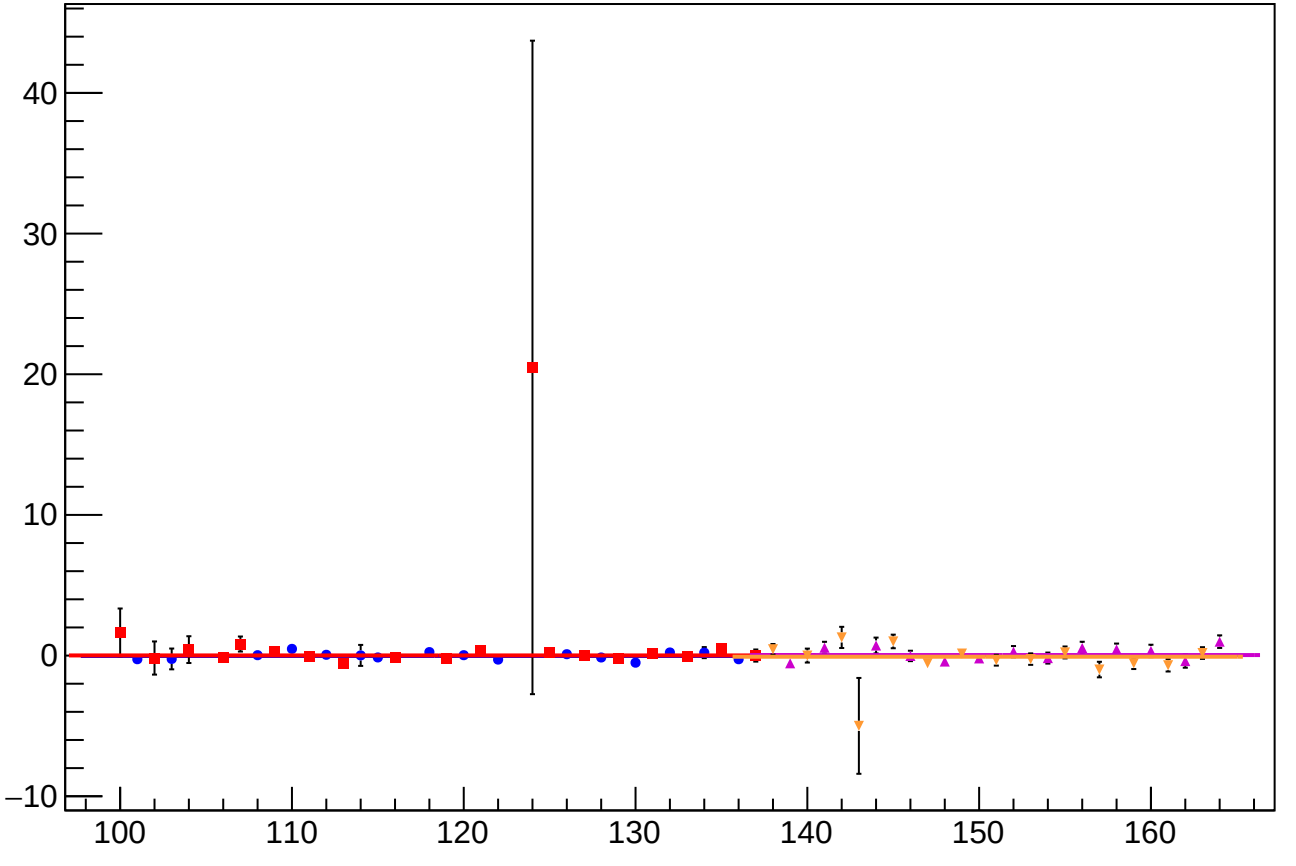
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 189.315+/-0.036 χ^2/NDF:7290500.9/28

Out: 178.259+/-0.036 χ^2/NDF:10551421.1/32

All: 183.771+/-0.025 χ^2/NDF: 17889113.8/61

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: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.037+/-0.108 χ^2/NDF:18.7/12

Left: -0.018+/-0.079 χ^2/NDF: 41.6/26

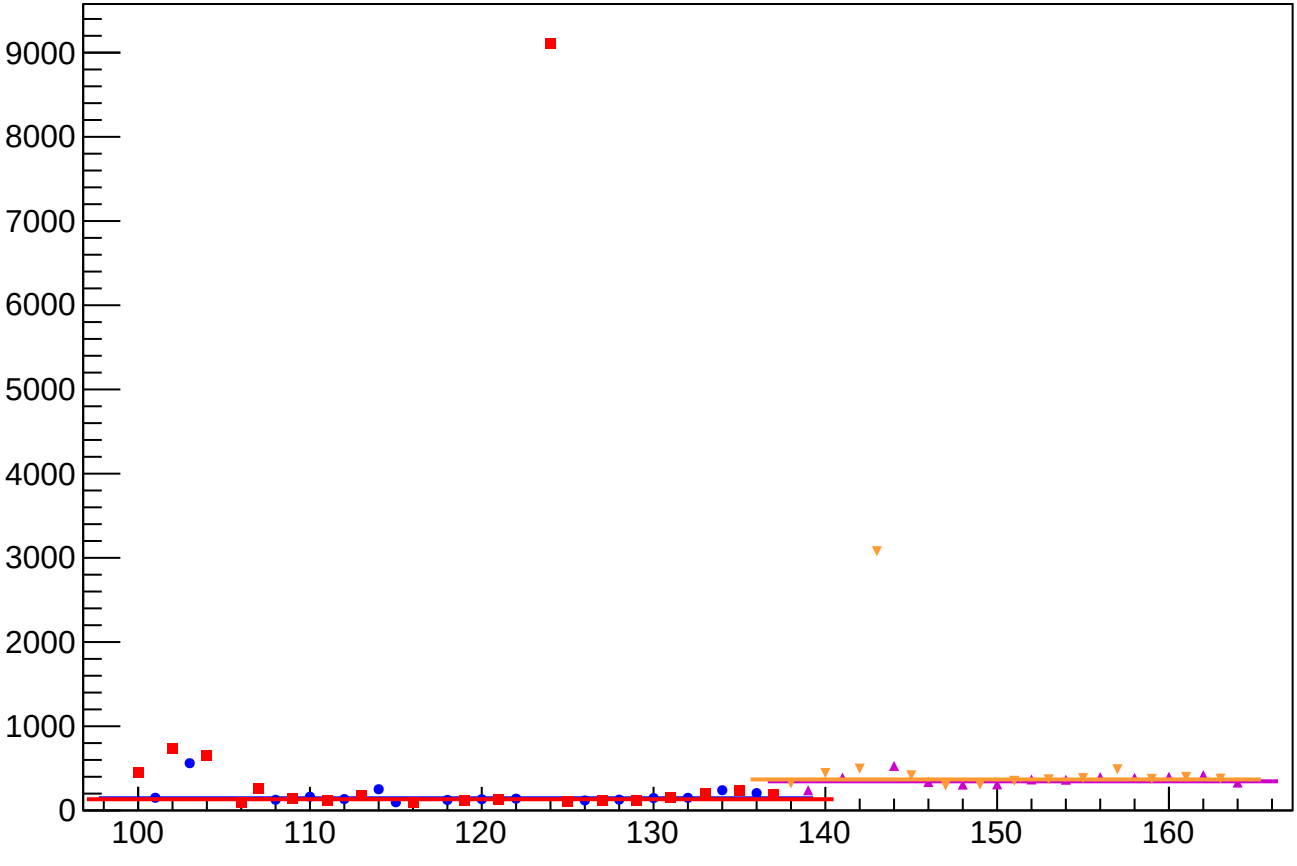
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.014+/-0.051 χ^2/NDF:36.2/28

Out: -0.007+/-0.051 χ^2/NDF:44.7/32

All: -0.011+/-0.036 χ^2/NDF: 80.9/61

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: 368.420+/-0.082 χ^2/NDF:1702528.5/13

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 346.087+/-0.076 χ^2/NDF:727620.4/12

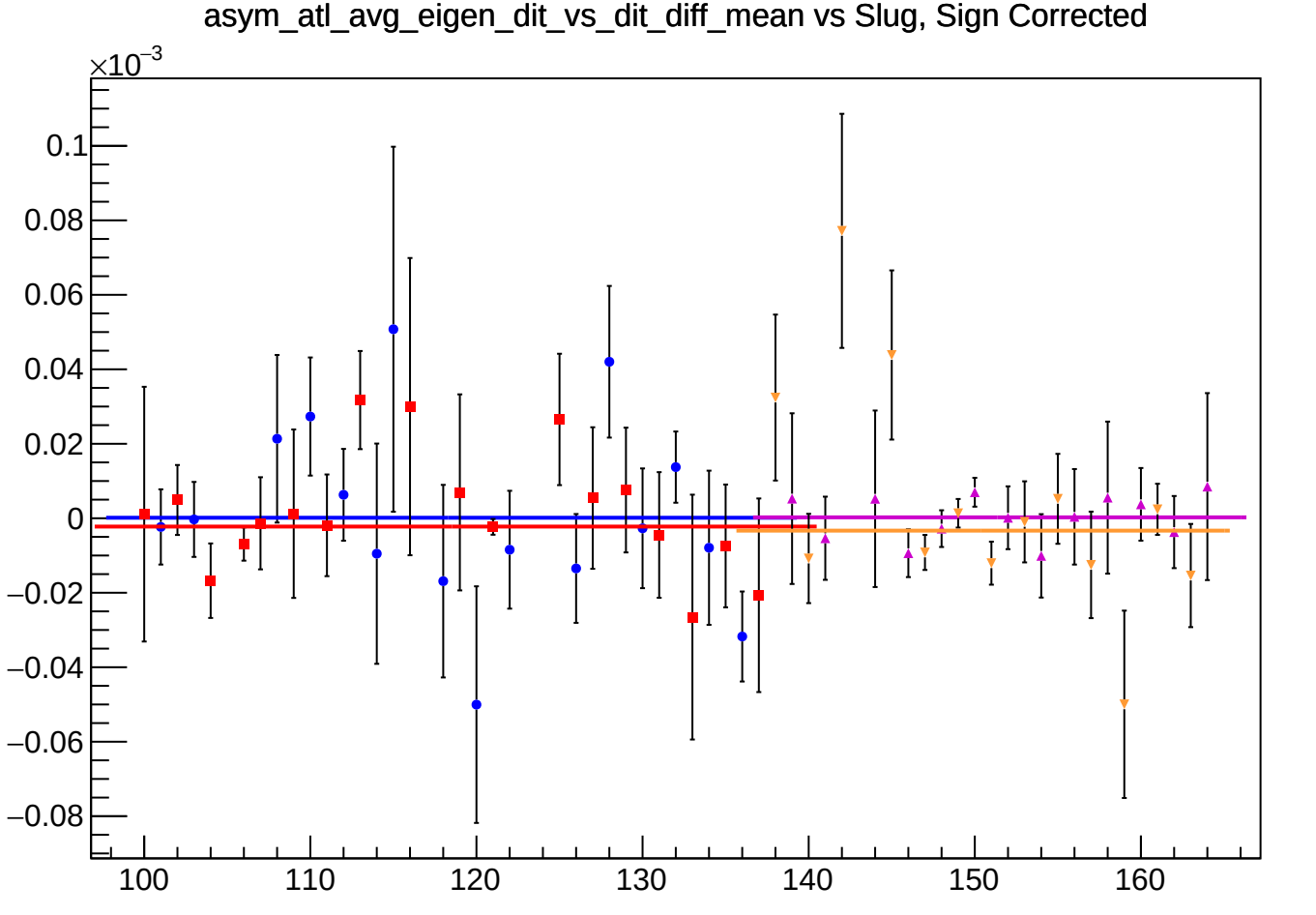
Left: 356.431+/-0.056 χ^2/NDF: 2469833.4/26

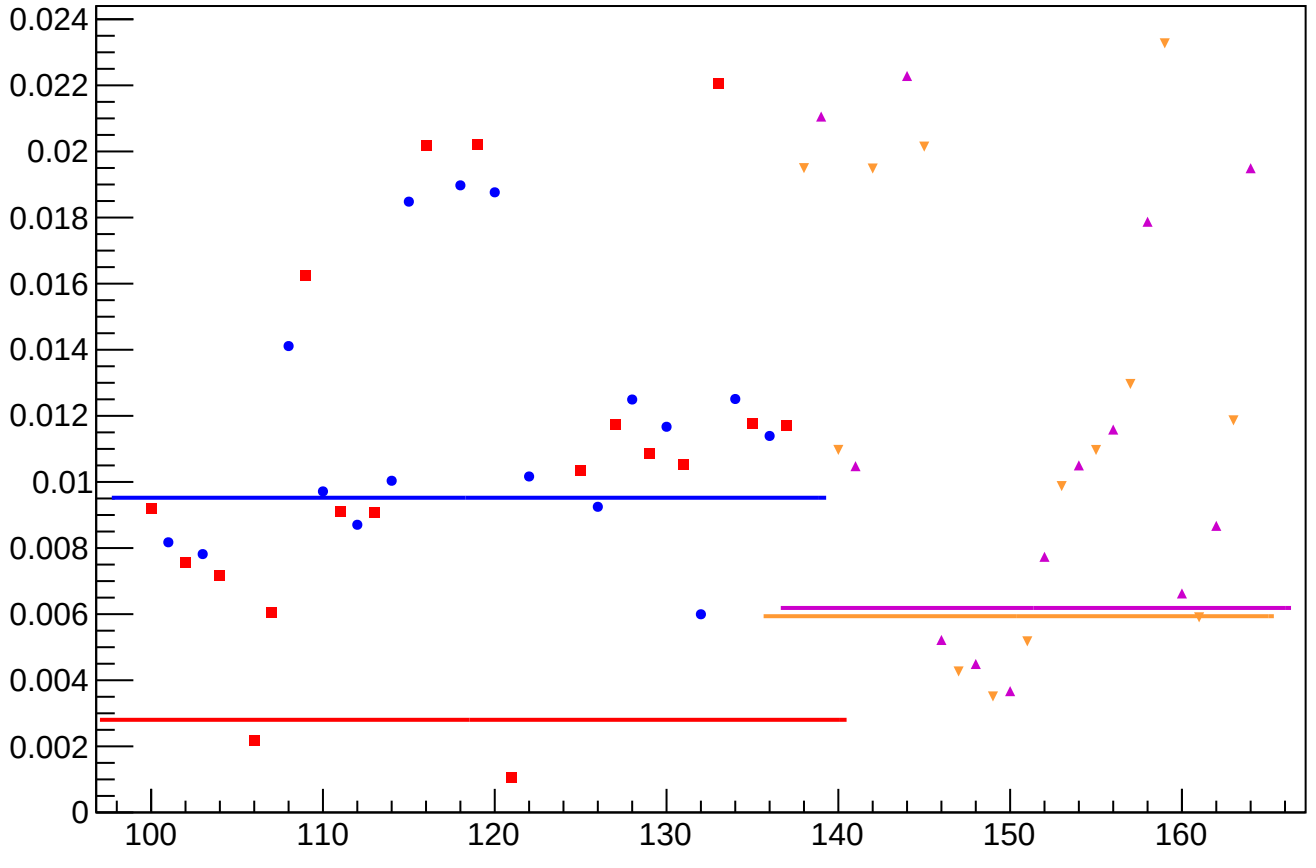
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 189.315+/-0.036 χ^2/NDF:7290500.9/28

Out: 178.259+/-0.036 χ^2/NDF:10551421.1/32

All: 183.771+/-0.025 χ^2/NDF: 17889113.8/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:25.0/12
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/17
Left In: 0.000+/-0.000 χ²/NDF:7.3/12
Left: -0.000+/-0.000 χ²/NDF: 33.6/25
Right: -0.000+/-0.000 χ²/NDF: 38.7/33
In: 0.000+/-0.000 χ²/NDF:30.1/28
Out: -0.000+/-0.000 χ²/NDF:40.7/30
All: -0.000+/-0.000 χ²/NDF: 72.3/59



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:5740791.5/12

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:5255705.9/12

Left: 0.006+/-0.000 χ^2/NDF: 11008964.9/25

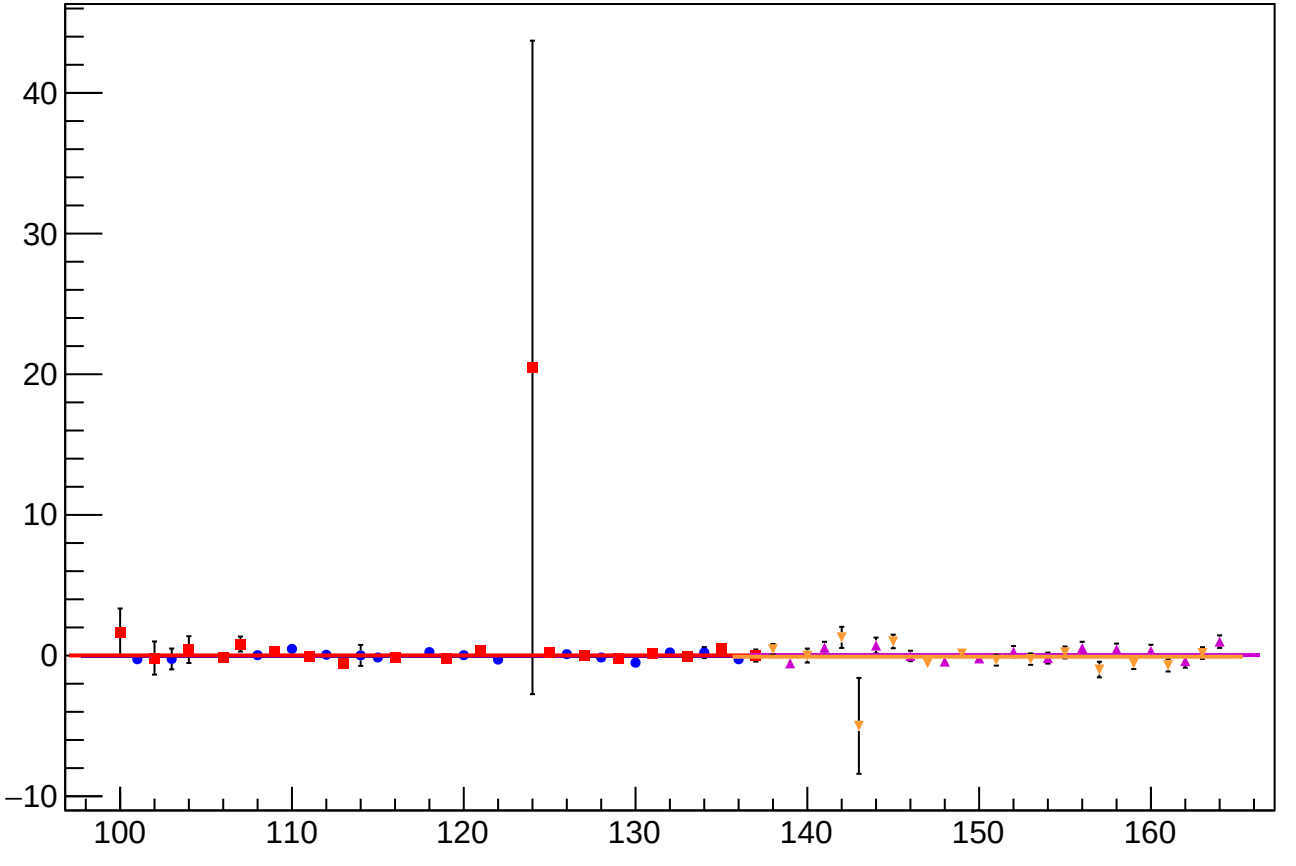
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:7553143.0/28

Out: 0.004+/-0.000 χ^2/NDF:16803928.7/30

All: 0.005+/-0.000 χ^2/NDF: 27791869.7/59

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: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.037+/-0.108 χ^2/NDF:18.7/12

Left: -0.018+/-0.079 χ^2/NDF: 41.6/26

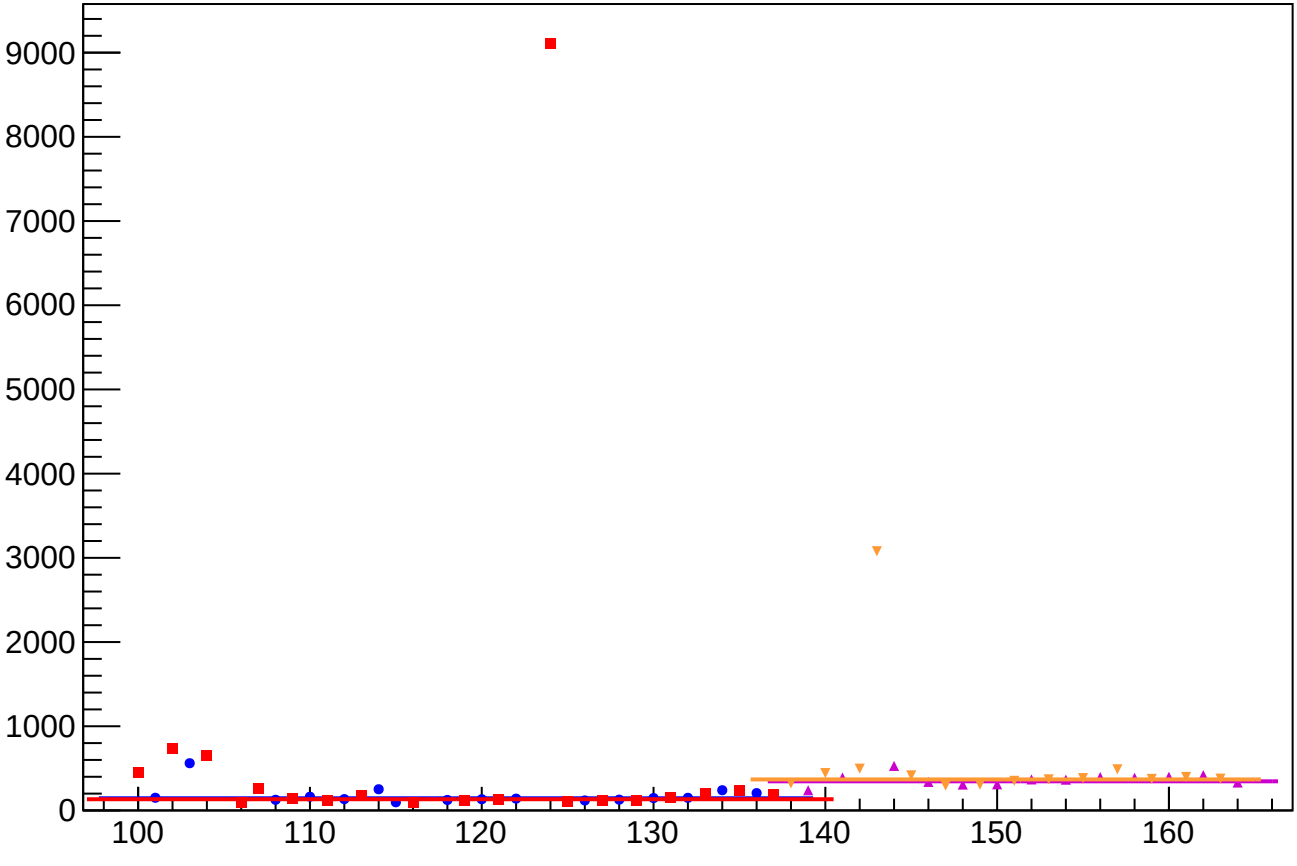
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.014+/-0.051 χ^2/NDF:36.2/28

Out: -0.007+/-0.051 χ^2/NDF:44.7/32

All: -0.011+/-0.036 χ^2/NDF: 80.9/61

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: 368.425+/-0.082 χ^2/NDF:1702565.4/13

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 346.092+/-0.076 χ^2/NDF:727614.8/12

Left: 356.437+/-0.056 χ^2/NDF: 2469860.2/26

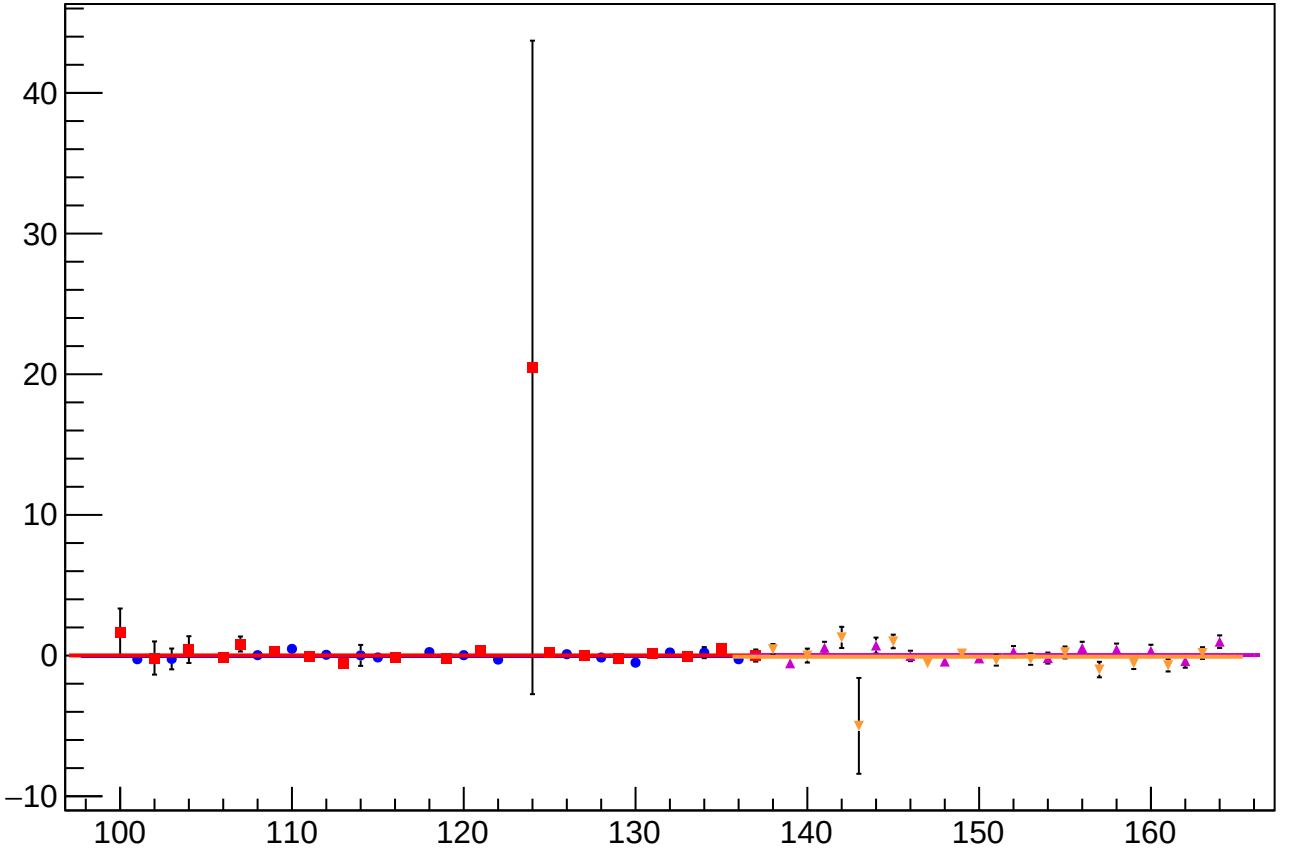
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 189.314+/-0.036 χ^2/NDF:7290782.7/28

Out: 178.258+/-0.036 χ^2/NDF:10551587.3/32

All: 183.770+/-0.025 χ^2/NDF: 17889557.0/61

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: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: 0.037+/-0.108 χ^2/NDF:18.7/12

Left: -0.018+/-0.079 χ^2/NDF: 41.6/26

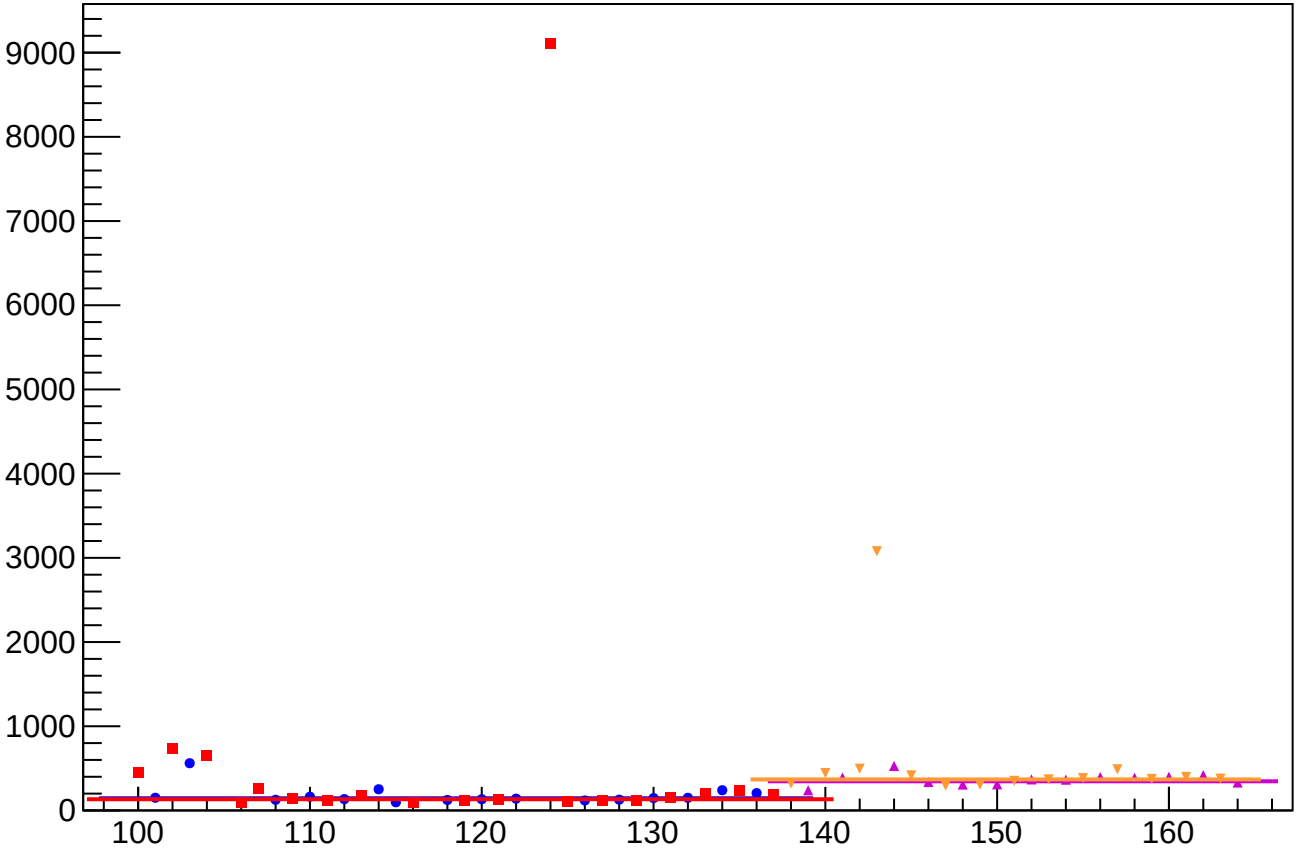
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.014+/-0.051 χ^2/NDF:36.2/28

Out: -0.007+/-0.051 χ^2/NDF:44.7/32

All: -0.011+/-0.036 χ^2/NDF: 80.9/61

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: 368.425+/-0.082 χ^2/NDF:1702565.4/13

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 346.092+/-0.076 χ^2/NDF:727614.8/12

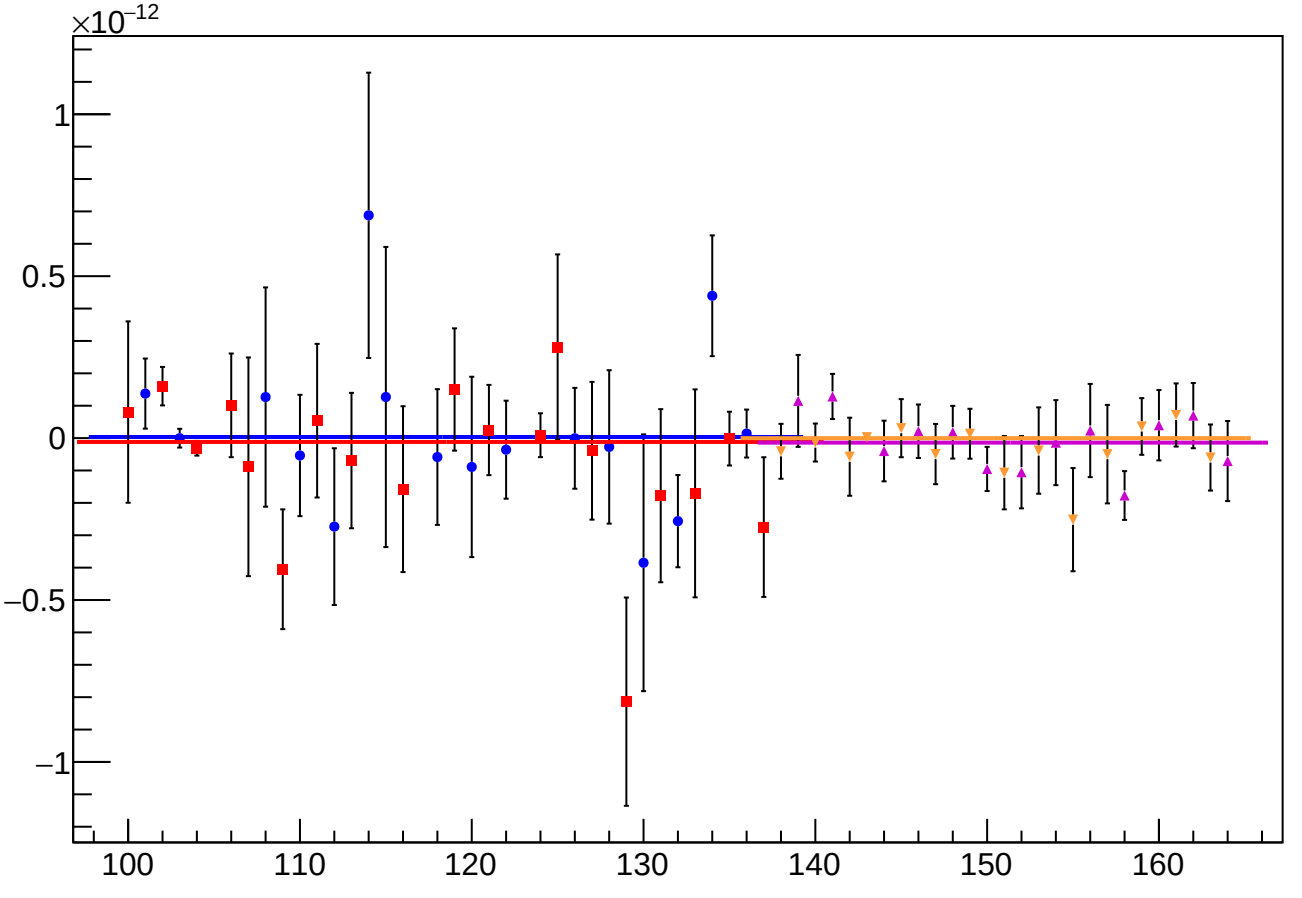
Left: 356.437+/-0.056 χ^2/NDF: 2469860.2/26

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 189.314+/-0.036 χ^2/NDF:7290782.7/28

Out: 178.258+/-0.036 χ^2/NDF:10551587.3/32

All: 183.770+/-0.025 χ^2/NDF: 17889557.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/12

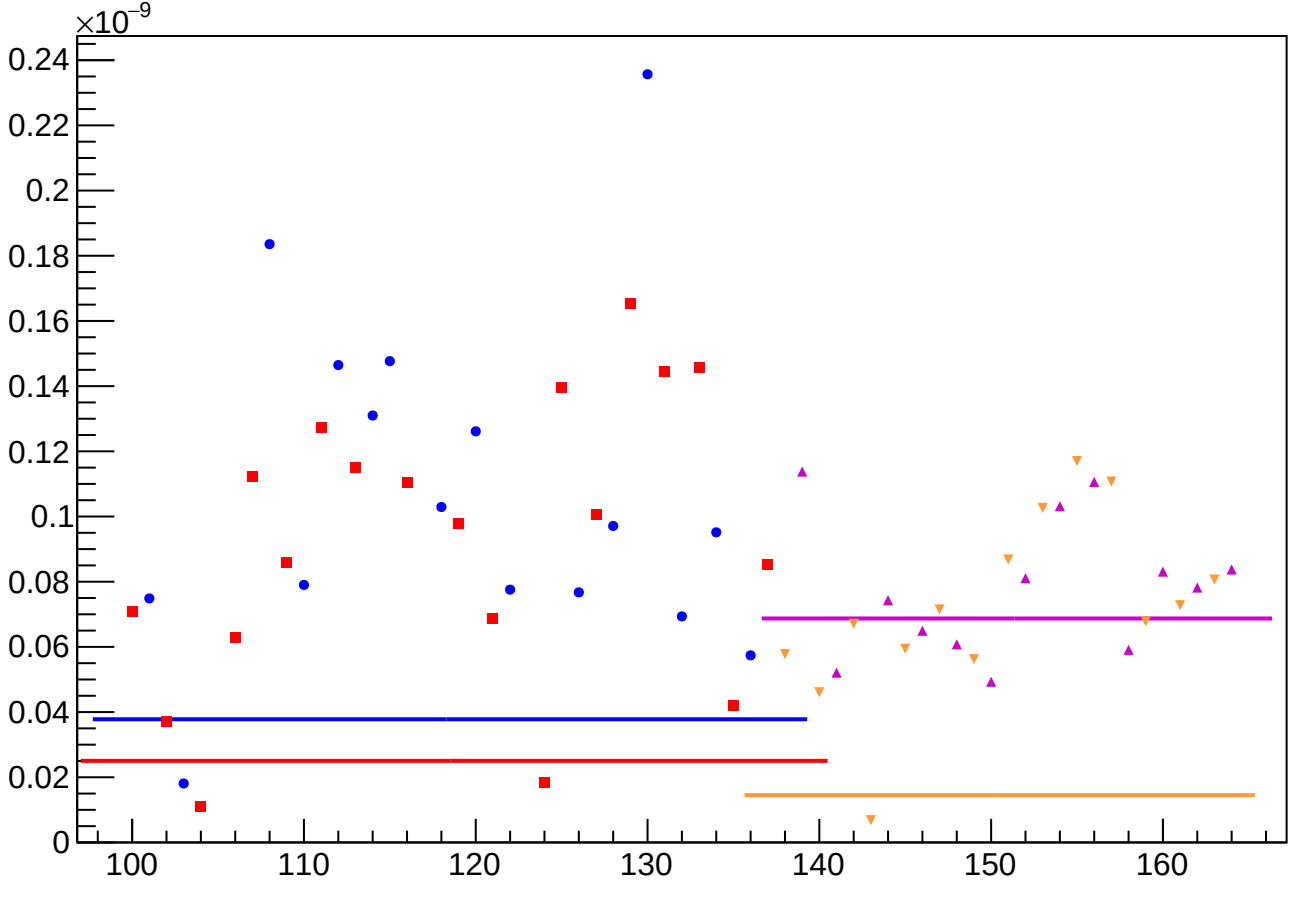
Left: -0.000+/-0.000 χ^2/NDF: 19.3/26

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:29.3/28

Out: -0.000+/-0.000 χ^2/NDF:31.1/32

All: -0.000+/-0.000 χ^2/NDF: 60.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10102613.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:953861.9/12

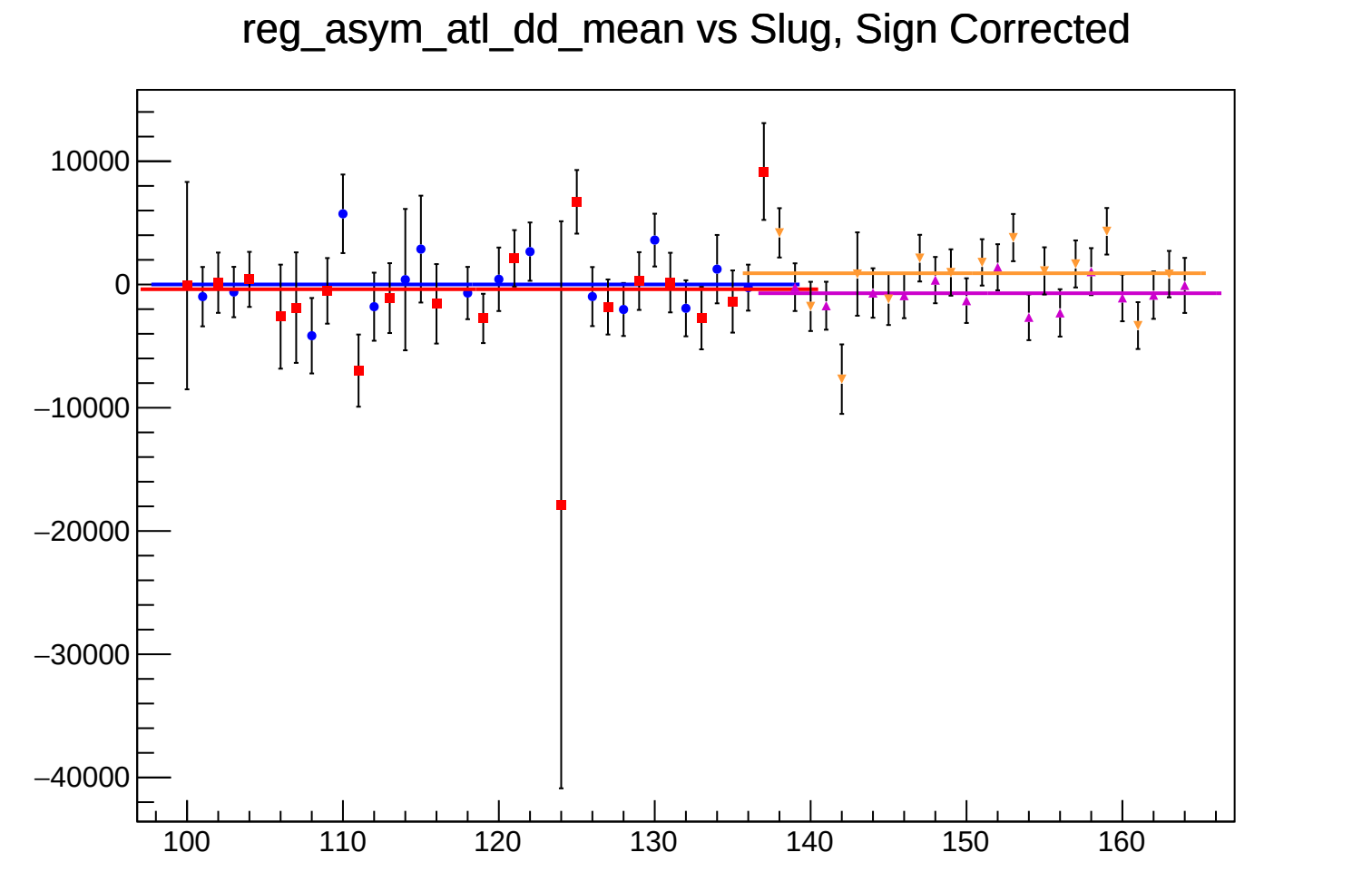
Left: 0.000+/-0.000 χ^2/NDF: 18809780.5/26

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:6435661.1/28

Out: 0.000+/-0.000 χ^2/NDF:15316815.5/32

All: 0.000+/-0.000 χ^2/NDF: 28365951.0/61



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 913.374+/-539.034 χ^2/NDF:26.1/13

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -709.751+/-531.742 χ^2/NDF:4.8/12

Left: 90.757+/-378.550 χ^2/NDF: 35.5/26

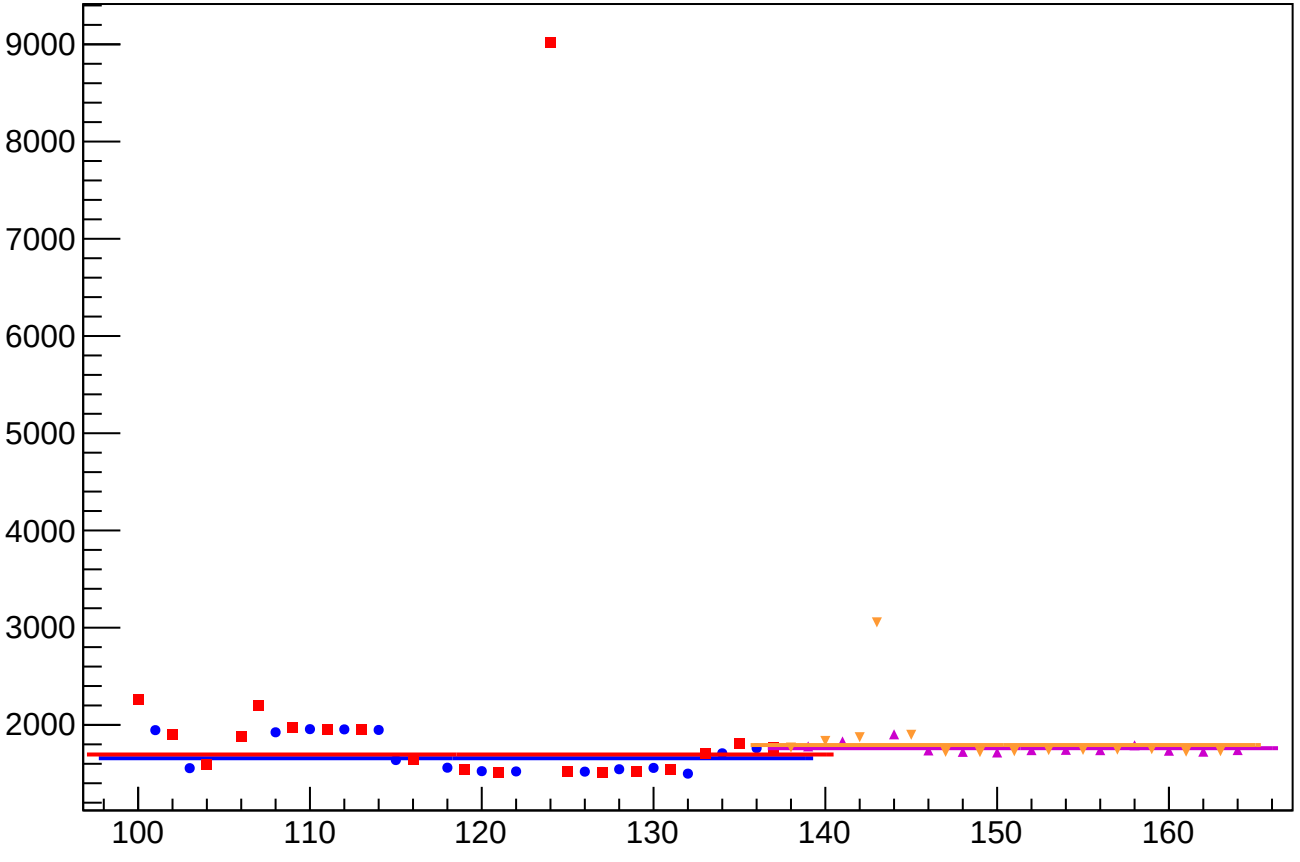
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -407.040+/-403.601 χ^2/NDF:18.0/28

Out: 368.400+/-410.582 χ^2/NDF:52.6/32

All: -25.968+/-287.826 χ^2/NDF: 72.4/61

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1792.912+/-0.381 χ^2/NDF:304386.1/13

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1760.509+/-0.376 χ^2/NDF:17479.4/12

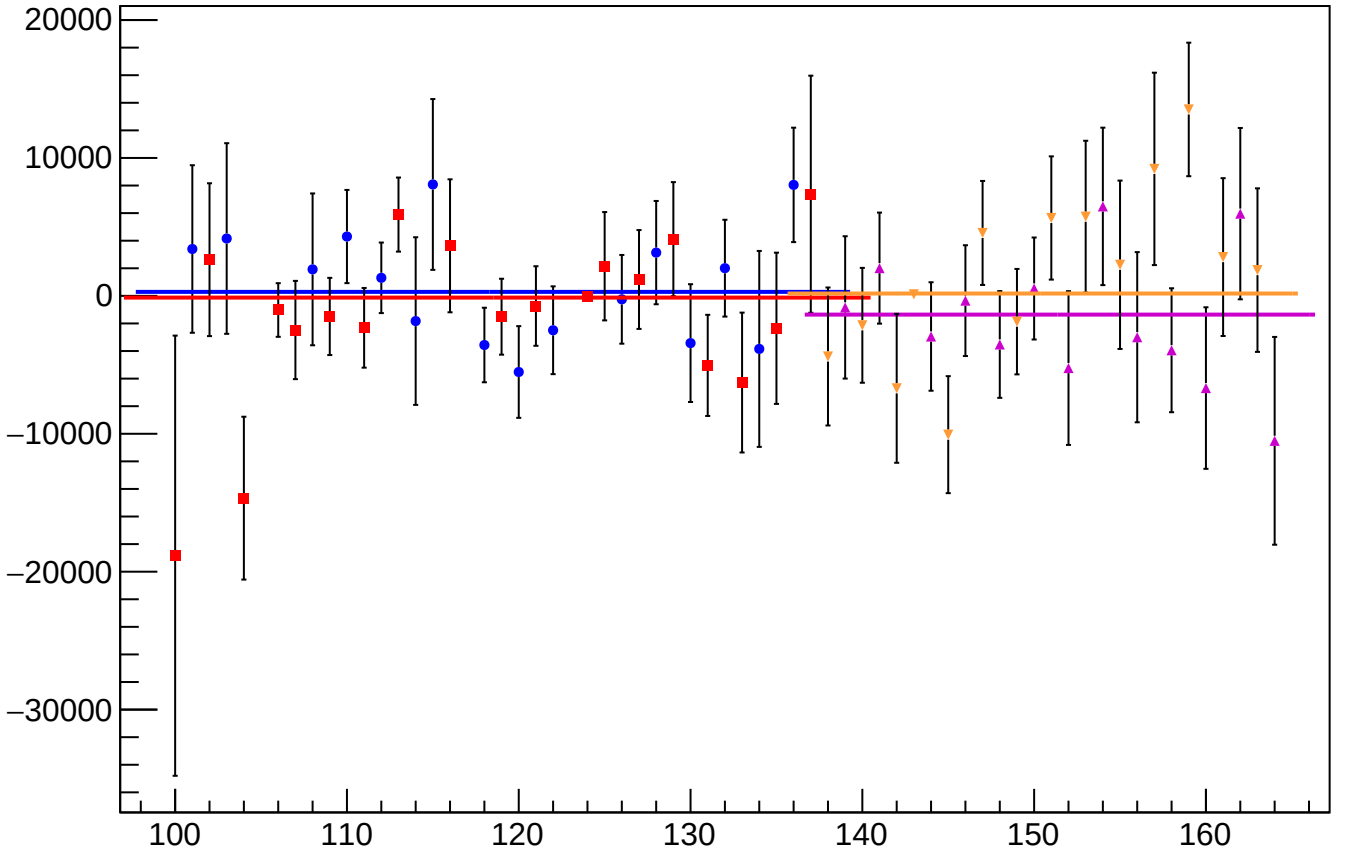
Left: 1776.490+/-0.268 χ^2/NDF: 325528.1/26

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1716.683+/-0.285 χ^2/NDF:193513.0/28

Out: 1751.861+/-0.290 χ^2/NDF:718085.5/32

All: 1734.004+/-0.203 χ^2/NDF: 919079.7/61



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 170.012+/-351.351 χ^2/NDF:22.5/13

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -1358.912+/-1316.429 χ^2/NDF:8.0/12

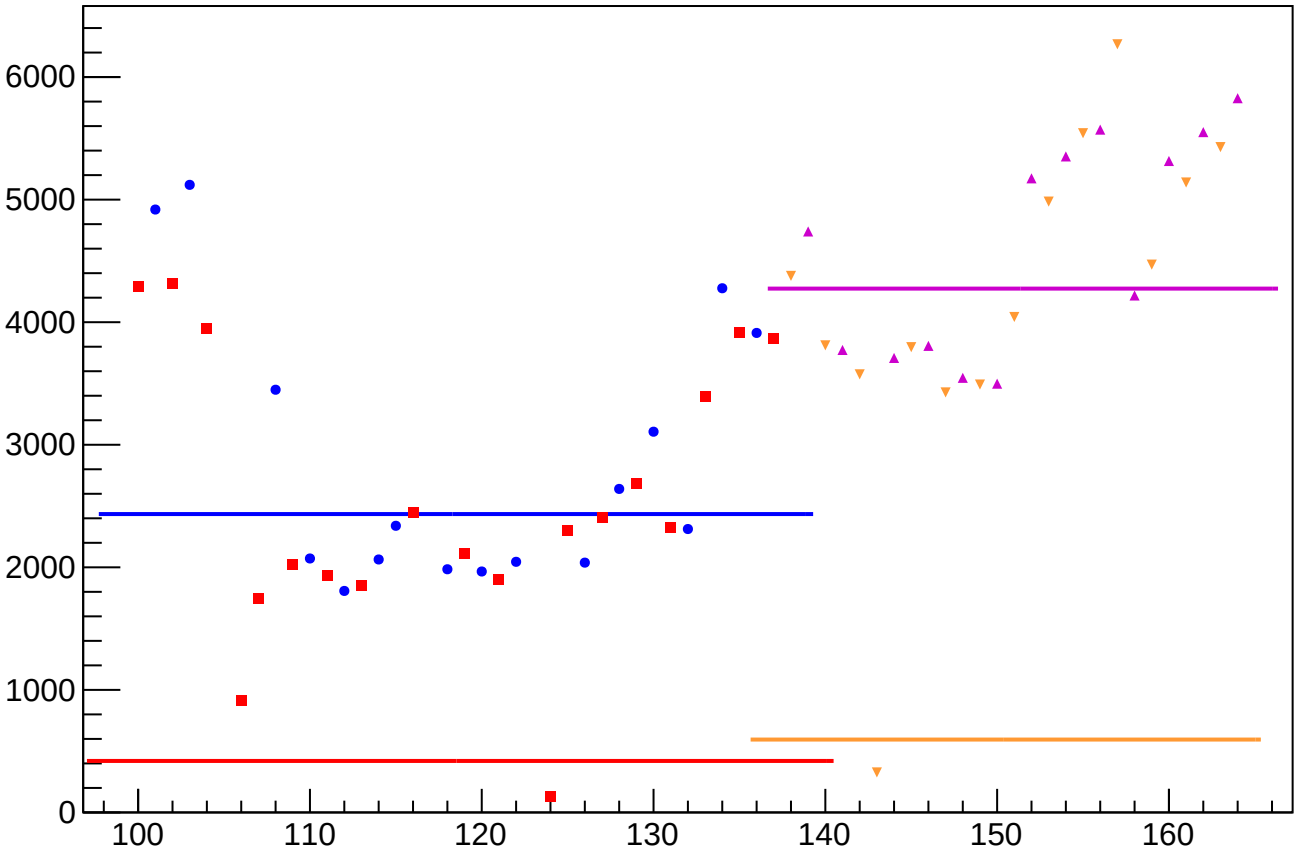
Left: 68.343+/-339.468 χ^2/NDF: 31.7/26

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -283.772+/-776.223 χ^2/NDF:24.2/28

Out: 10.132+/-238.072 χ^2/NDF:43.7/32

All: -15.138+/-227.608 χ^2/NDF: 68.0/61



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 594.786+/-0.248 χ^2/NDF:16417548.2/13

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4274.085+/-0.931 χ^2/NDF:719247.8/12

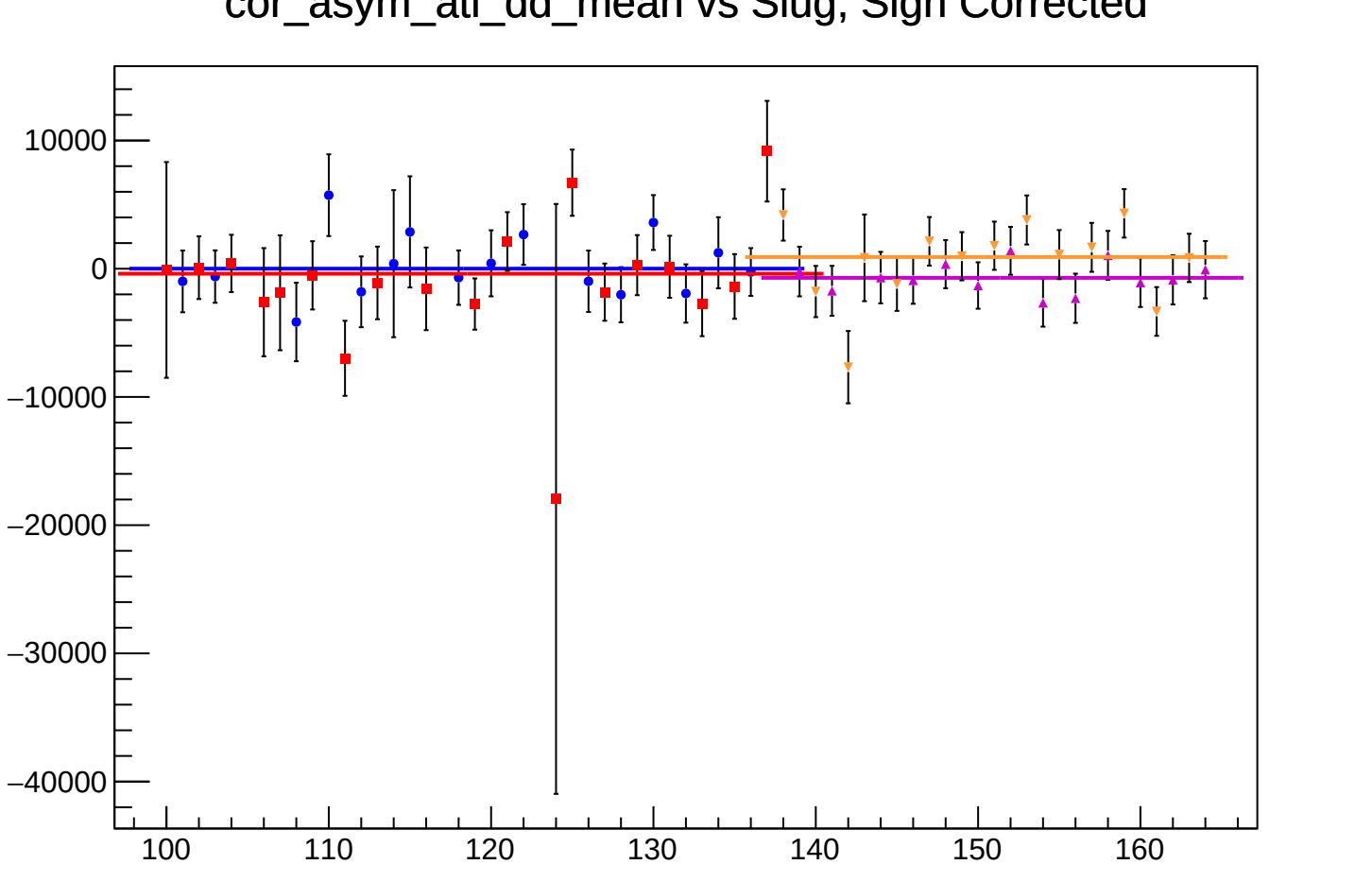
Left: 839.449+/-0.240 χ^2/NDF: 31720927.6/26

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3074.144+/-0.549 χ^2/NDF:4724341.0/28

Out: 500.407+/-0.168 χ^2/NDF:27748331.1/32

All: 721.699+/-0.161 χ^2/NDF: 52570126.5/61



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 913.278+/-539.034 χ^2/NDF:26.1/13

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -709.762+/-531.742 χ^2/NDF:4.8/12

Left: 90.705+/-378.550 χ^2/NDF: 35.5/26

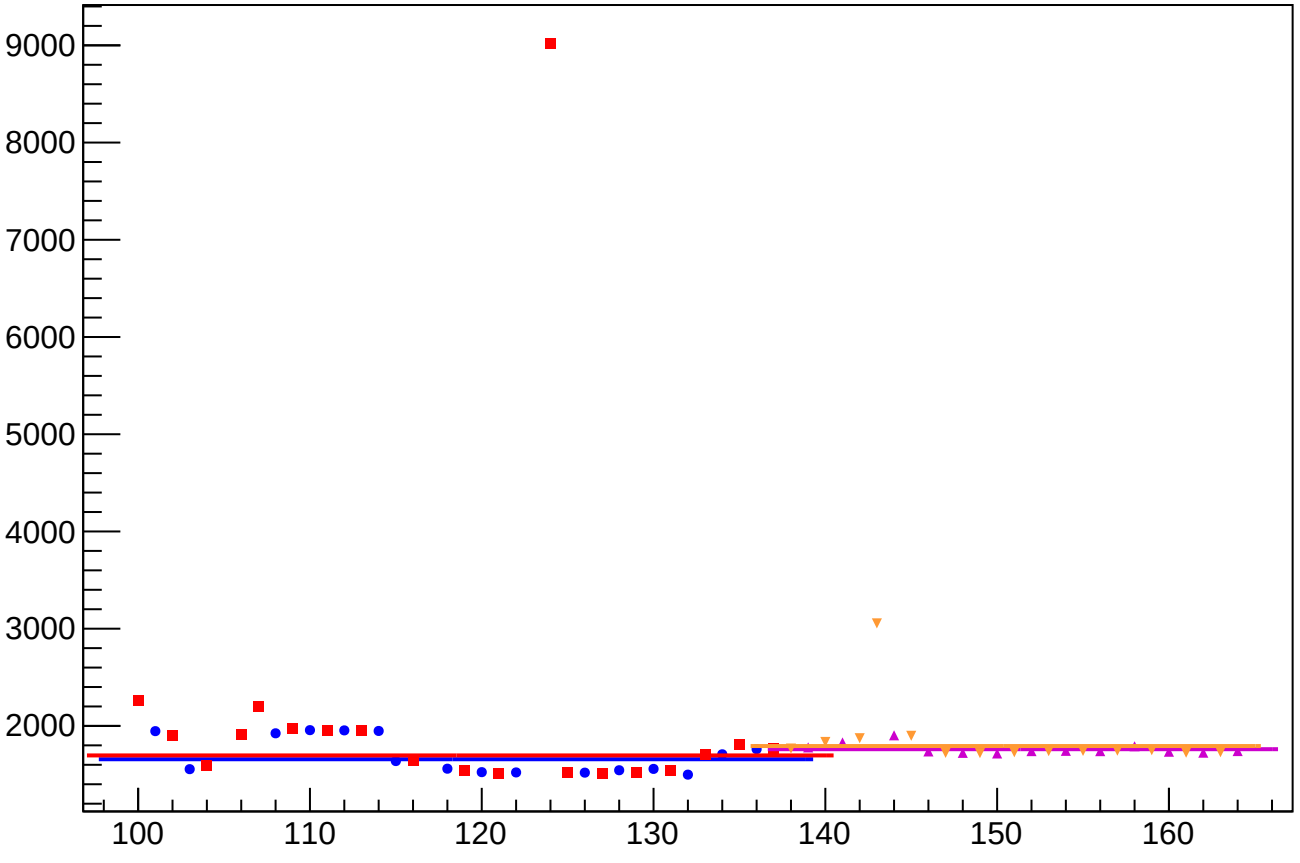
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -407.079+/-403.601 χ^2/NDF:18.0/28

Out: 366.547+/-410.584 χ^2/NDF:52.6/32

All: -26.900+/-287.826 χ^2/NDF: 72.4/61

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1792.912+/-0.381 χ^2/NDF:304386.1/13

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1760.509+/-0.376 χ^2/NDF:17479.4/12

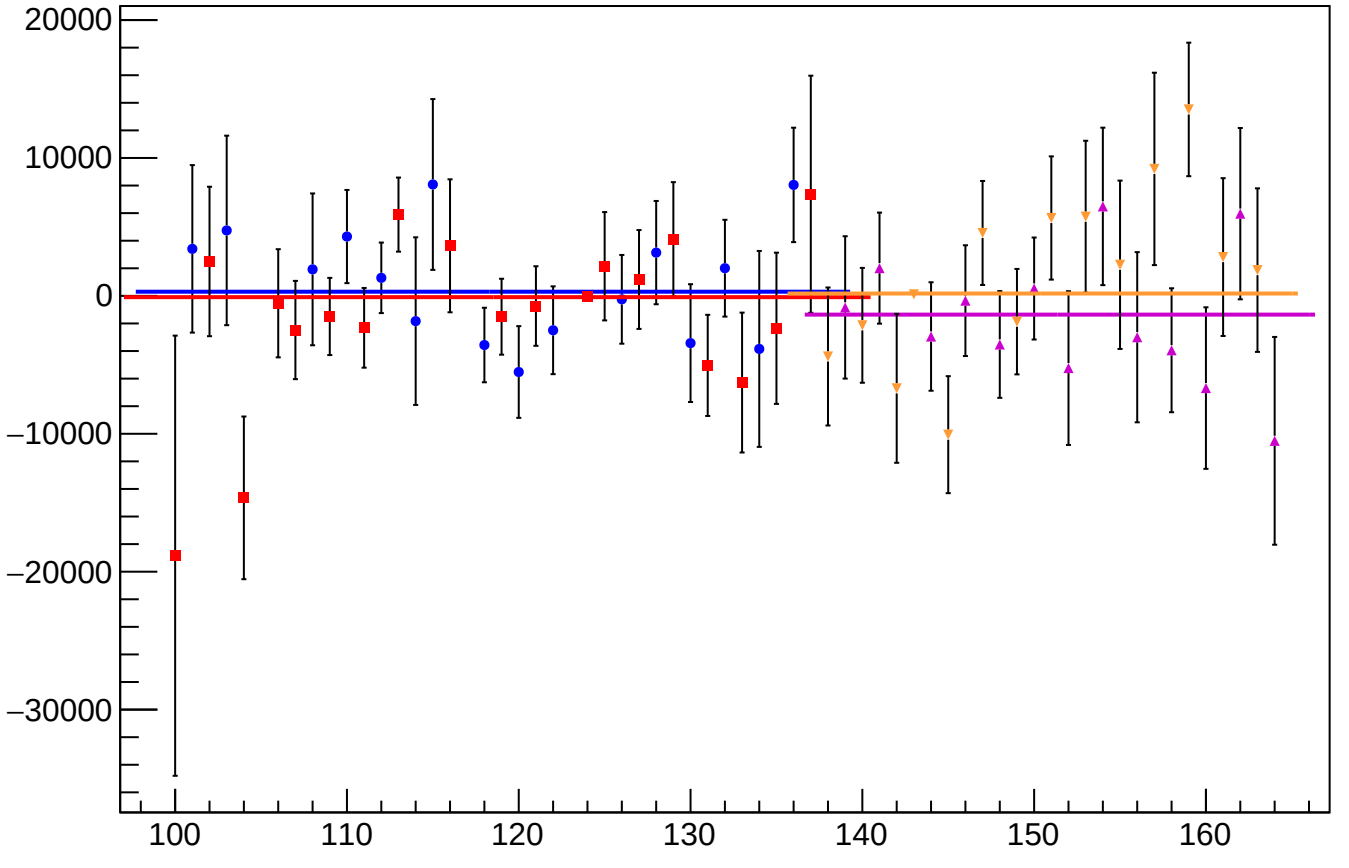
Left: 1776.490+/-0.268 χ^2/NDF: 325528.2/26

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1716.683+/-0.285 χ^2/NDF:193513.1/28

Out: 1752.218+/-0.290 χ^2/NDF:719382.1/32

All: 1734.177+/-0.203 χ^2/NDF: 920527.8/61



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 170.444+/-351.325 χ^2/NDF:22.5/13

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1358.939+/-1316.428 χ^2/NDF:8.0/12

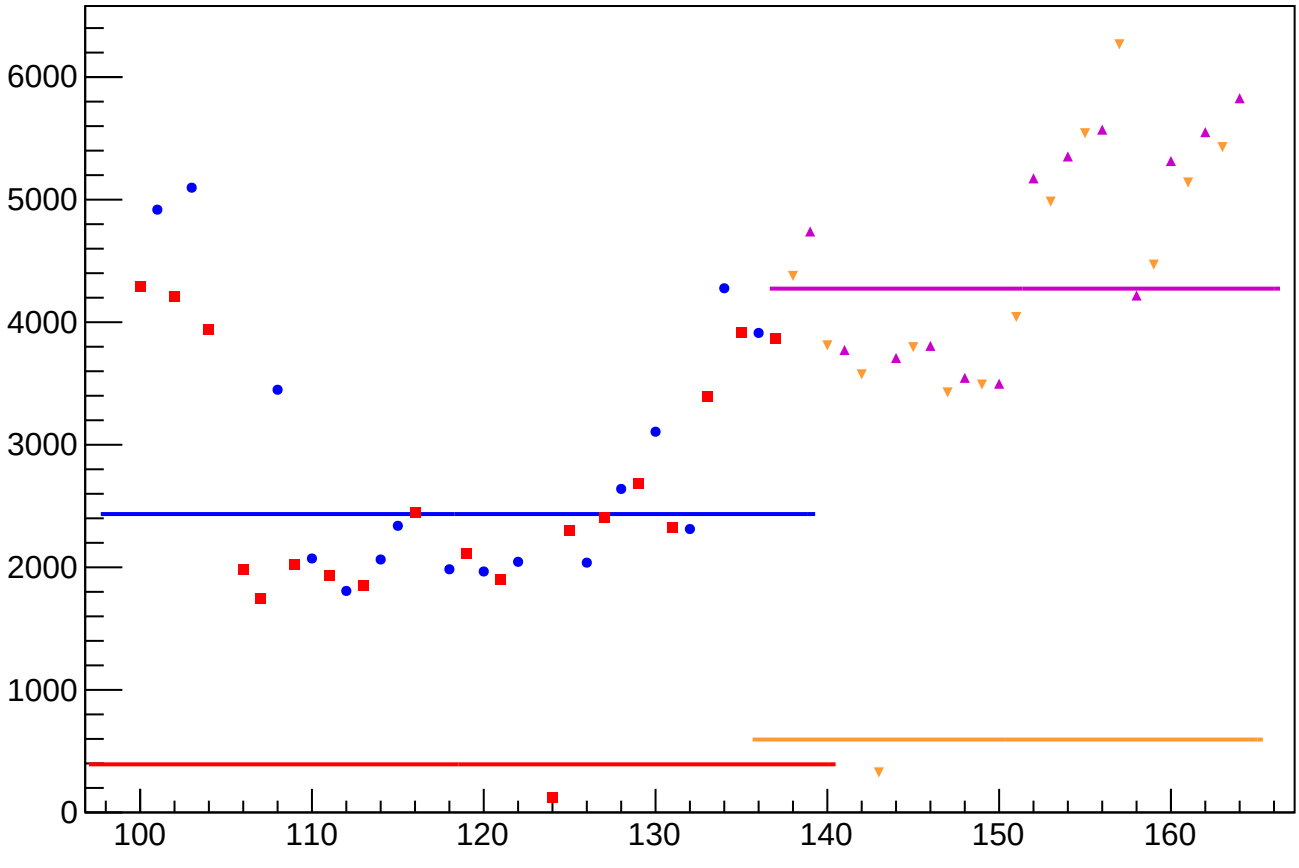
Left: 68.758+/-339.445 χ^2/NDF: 31.7/26

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -275.485+/-776.160 χ^2/NDF:24.3/28

Out: 25.134+/-234.845 χ^2/NDF:43.4/32

All: -0.080+/-224.781 χ^2/NDF: 67.9/61



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 594.720+/-0.248 χ^2/NDF:16417940.1/13

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4274.081+/-0.931 χ^2/NDF:719239.3/12

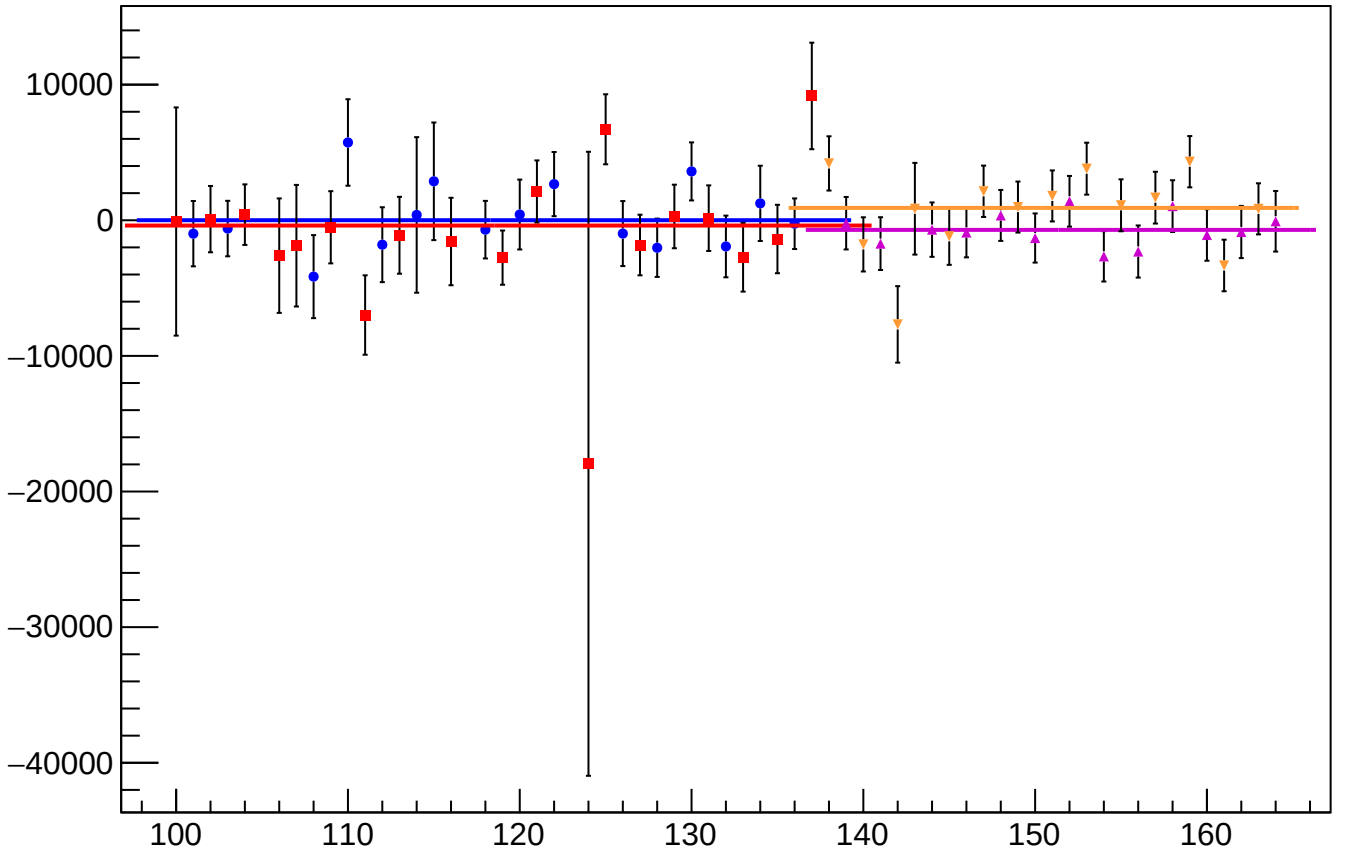
Left: 839.354+/-0.240 χ^2/NDF: 31721980.0/26

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3074.149+/-0.549 χ^2/NDF:4722393.7/28

Out: 482.950+/-0.166 χ^2/NDF:28191881.3/32

All: 700.279+/-0.159 χ^2/NDF: 53335660.3/61



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 913.278+/-539.034 χ^2/NDF:26.1/13

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -709.762+/-531.742 χ^2/NDF:4.8/12

Left: 90.705+/-378.550 χ^2/NDF: 35.5/26

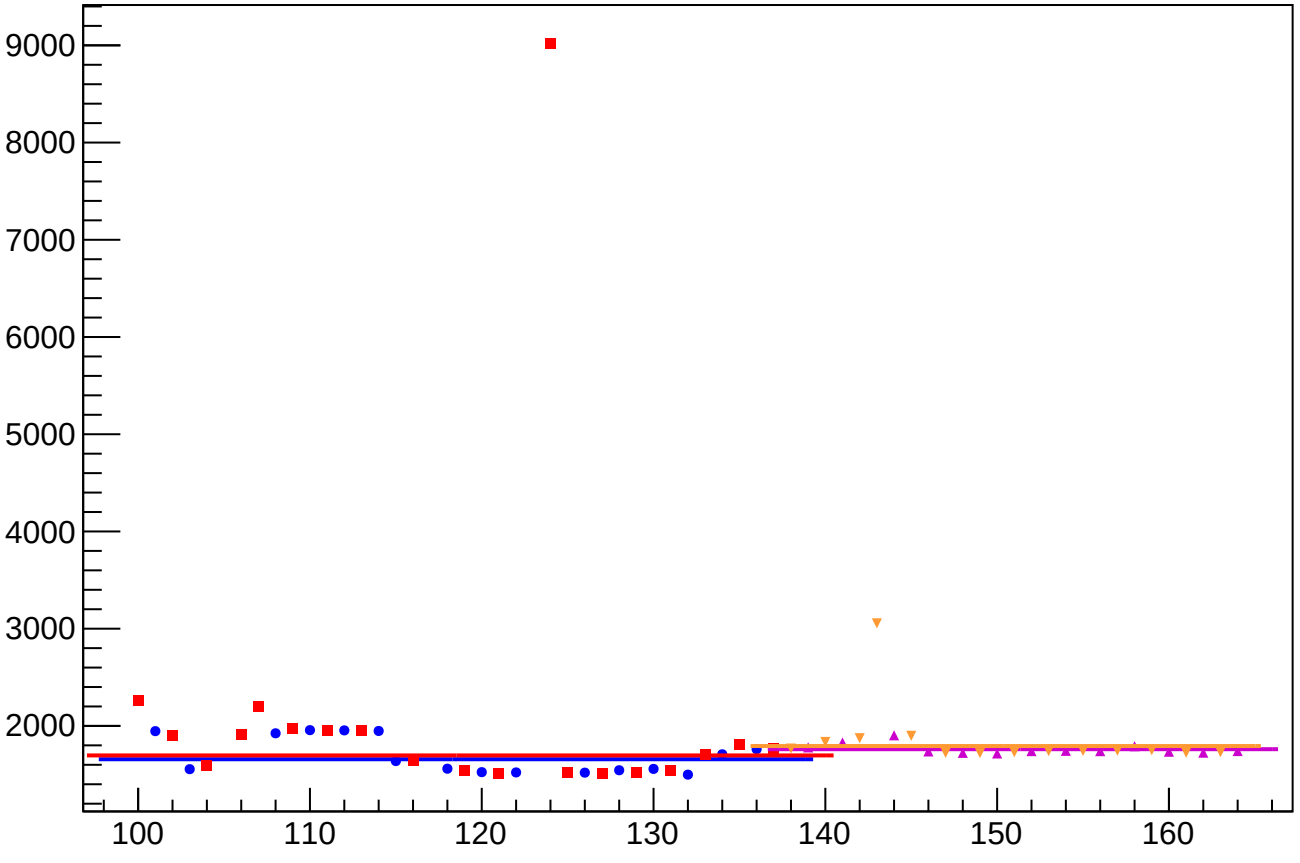
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -407.079+/-403.601 χ^2/NDF:18.0/28

Out: 366.547+/-410.584 χ^2/NDF:52.6/32

All: -26.900+/-287.826 χ^2/NDF: 72.4/61

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1792.912+/-0.381 χ^2/NDF:304386.1/13

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1760.509+/-0.376 χ^2/NDF:17479.4/12

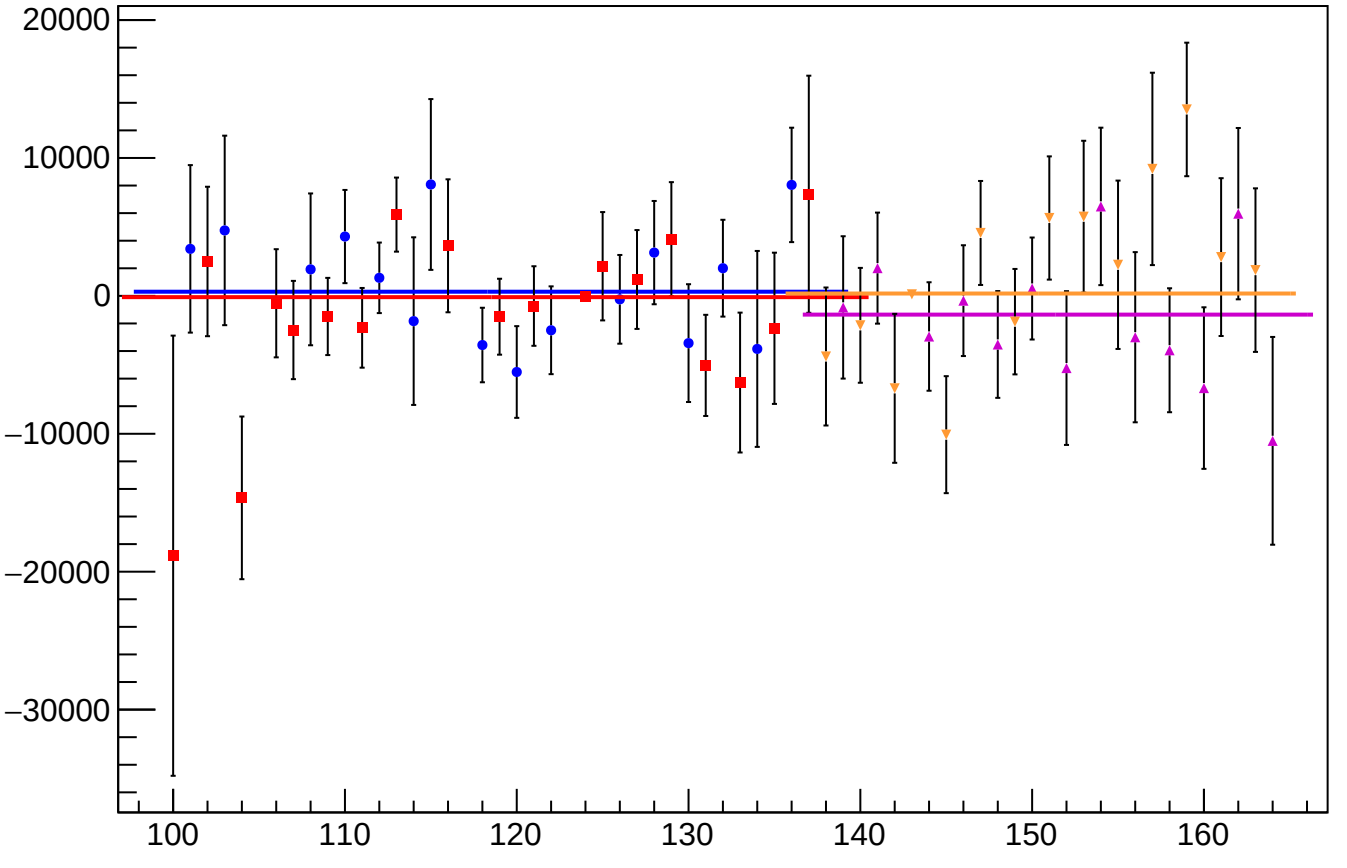
Left: 1776.490+/-0.268 χ^2/NDF: 325528.2/26

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1716.683+/-0.285 χ^2/NDF:193513.1/28

Out: 1752.218+/-0.290 χ^2/NDF:719382.1/32

All: 1734.177+/-0.203 χ^2/NDF: 920527.8/61



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 170.444+/-351.325 χ^2/NDF:22.5/13

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1358.939+/-1316.428 χ^2/NDF:8.0/12

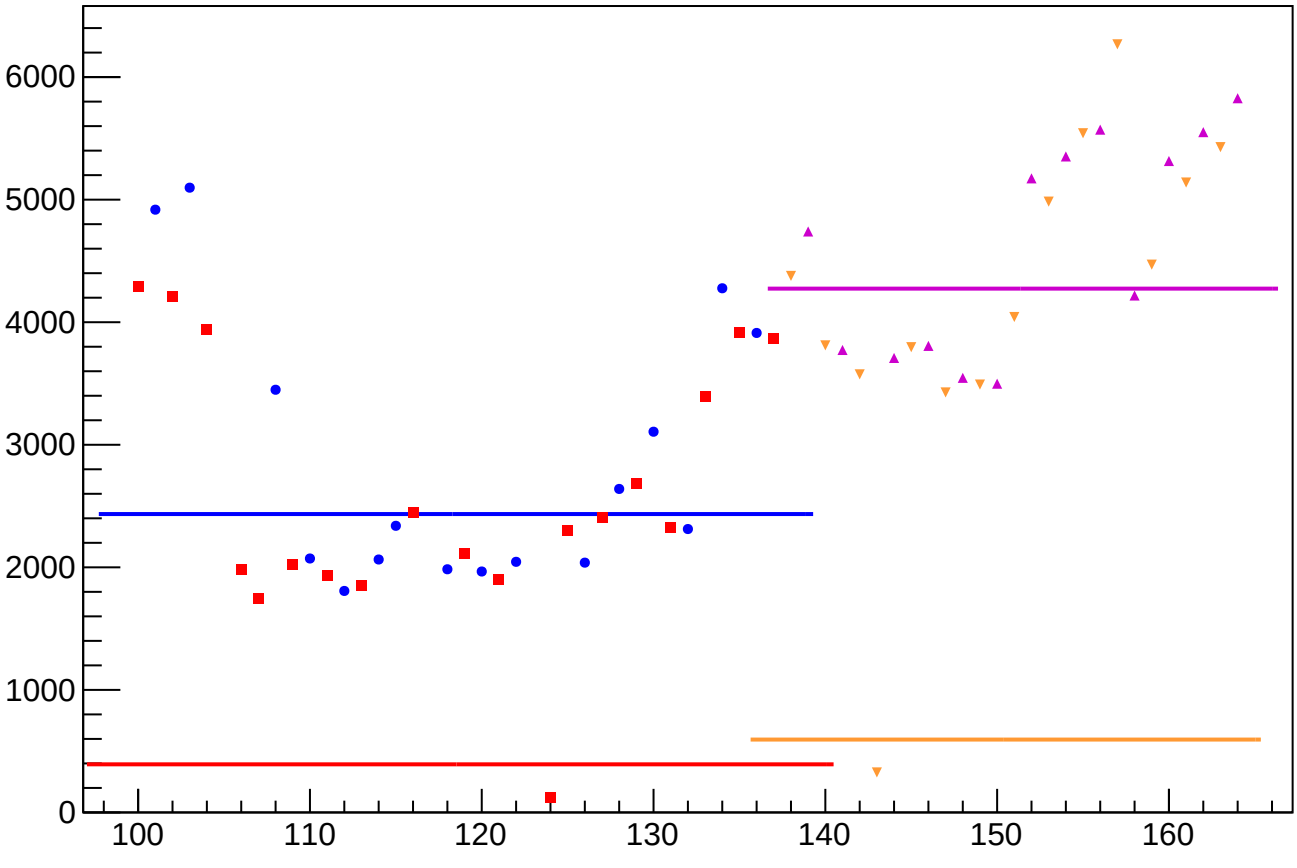
Left: 68.758+/-339.445 χ^2/NDF: 31.7/26

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -275.485+/-776.160 χ^2/NDF:24.3/28

Out: 25.134+/-234.845 χ^2/NDF:43.4/32

All: -0.080+/-224.781 χ^2/NDF: 67.9/61



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 594.720+/-0.248 χ^2/NDF:16417940.1/13

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4274.081+/-0.931 χ^2/NDF:719239.3/12

Left: 839.354+/-0.240 χ^2/NDF: 31721980.0/26

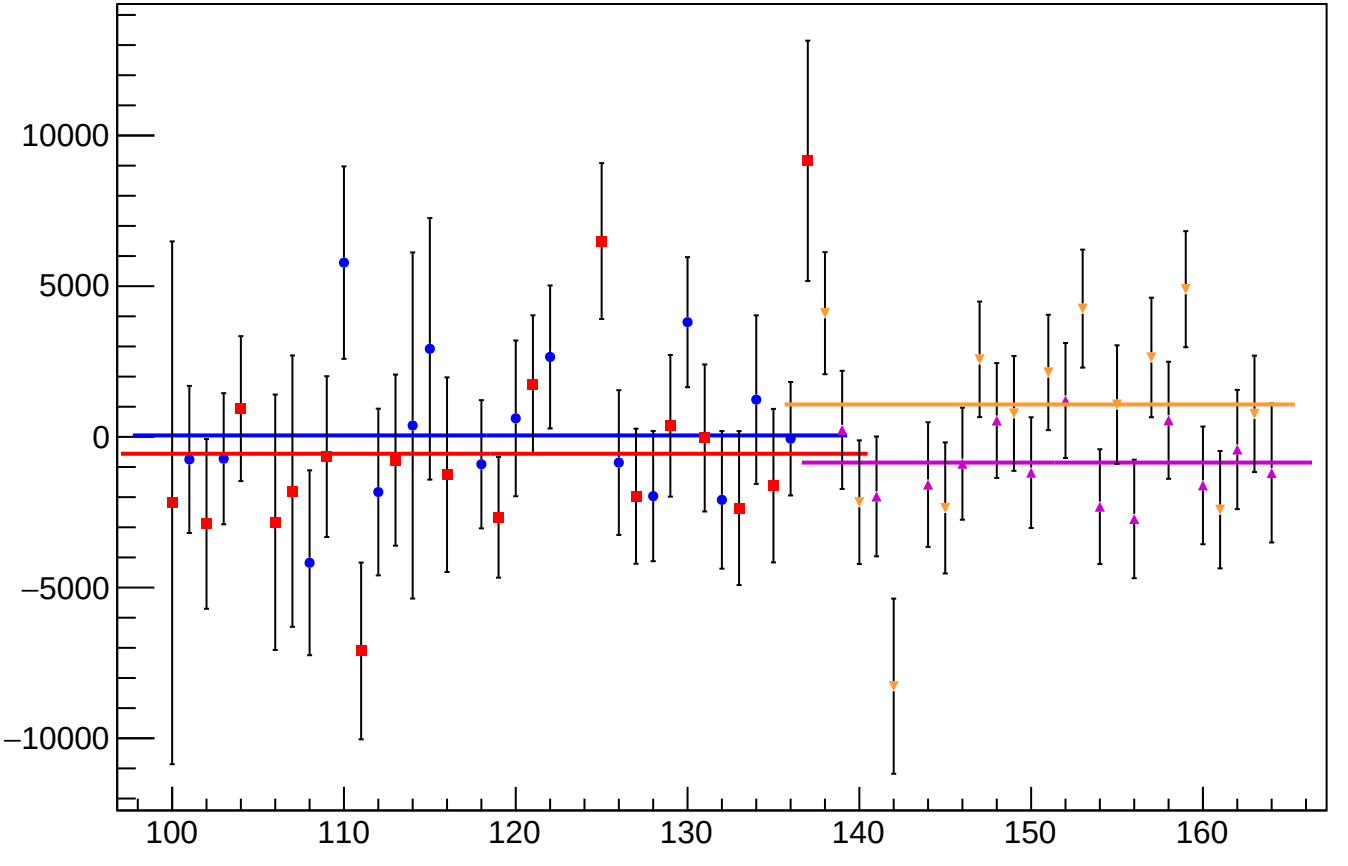
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3074.149+/-0.549 χ^2/NDF:4722393.7/28

Out: 482.950+/-0.166 χ^2/NDF:28191881.3/32

All: 700.279+/-0.159 χ^2/NDF: 53335660.3/61

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1076.488+/-558.448 χ^2/NDF:29.0/12

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -852.692+/-543.303 χ^2/NDF:4.7/12

Left: 85.384+/-389.417 χ^2/NDF: 39.8/25

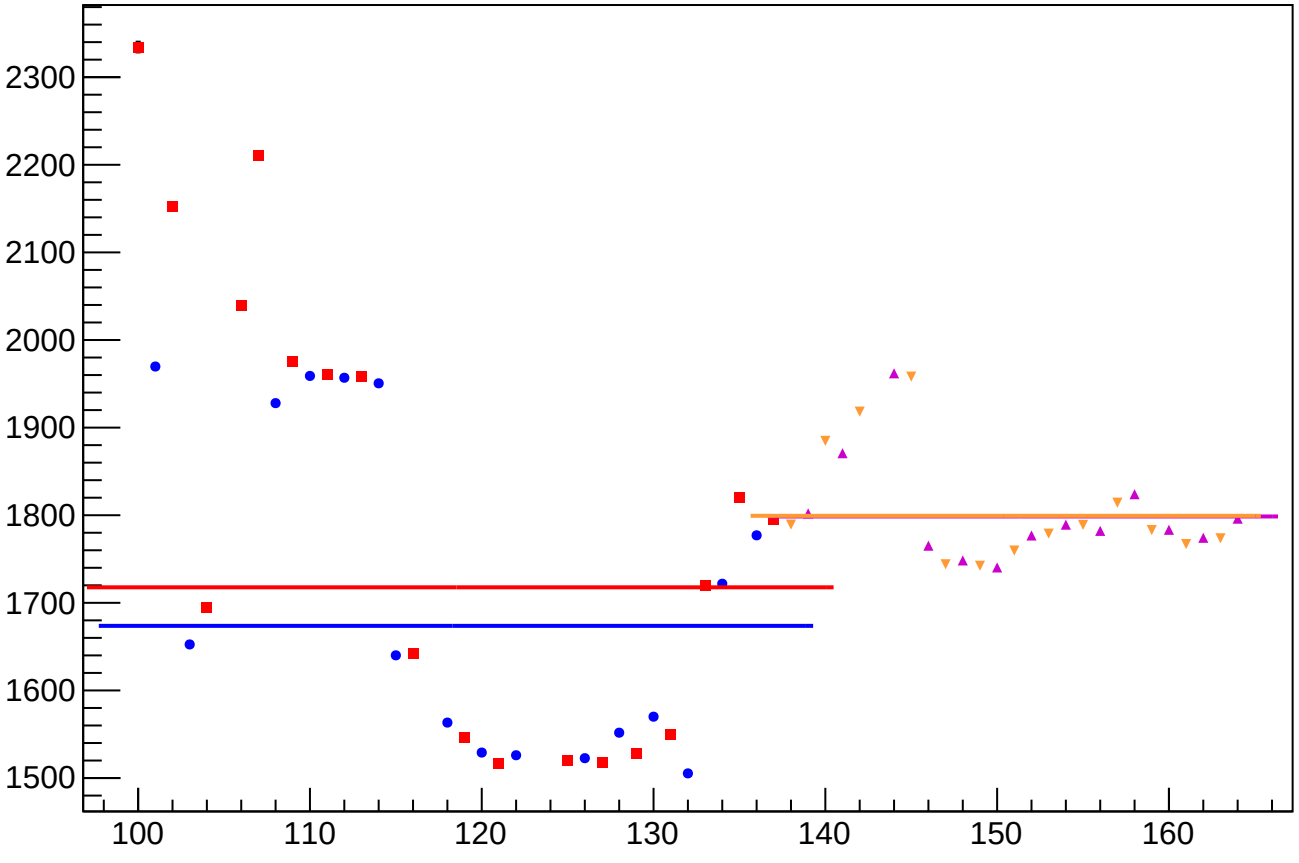
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -465.693+/-410.361 χ^2/NDF:18.7/28

Out: 375.869+/-422.273 χ^2/NDF:55.9/30

All: -56.950+/-294.290 χ^2/NDF: 76.7/59

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1799.337+/-0.395 χ^2/NDF:23298.3/12

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1798.585+/-0.384 χ^2/NDF:20382.6/12

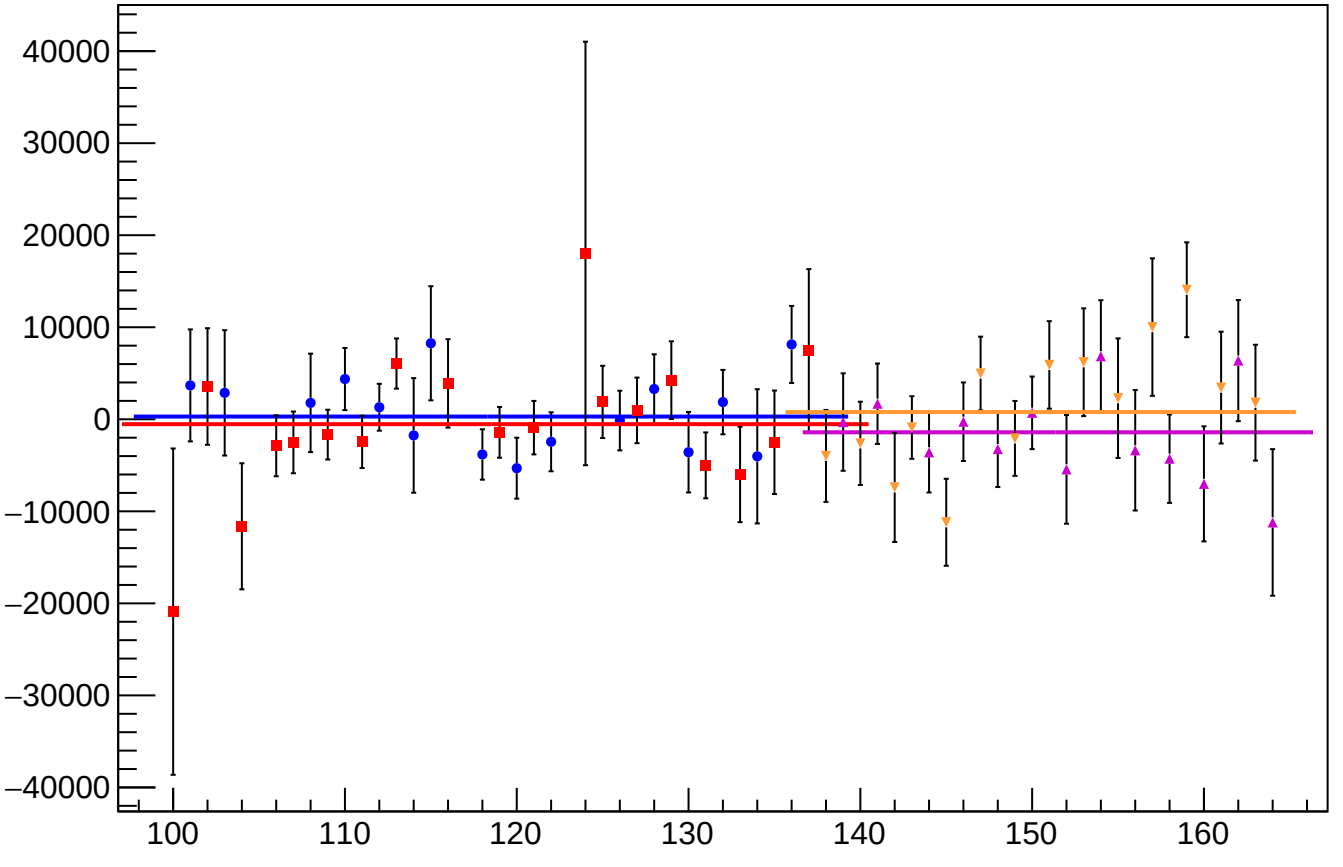
Left: 1798.951+/-0.275 χ^2/NDF: 43682.7/25

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1744.958+/-0.290 χ^2/NDF:206622.9/28

Out: 1764.291+/-0.298 χ^2/NDF:269285.6/30

All: 1754.357+/-0.208 χ^2/NDF: 478066.8/59



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 786.235+/-1317.372 χ^2/NDF:22.1/13

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -1413.547+/-1406.536 χ^2/NDF:7.8/12

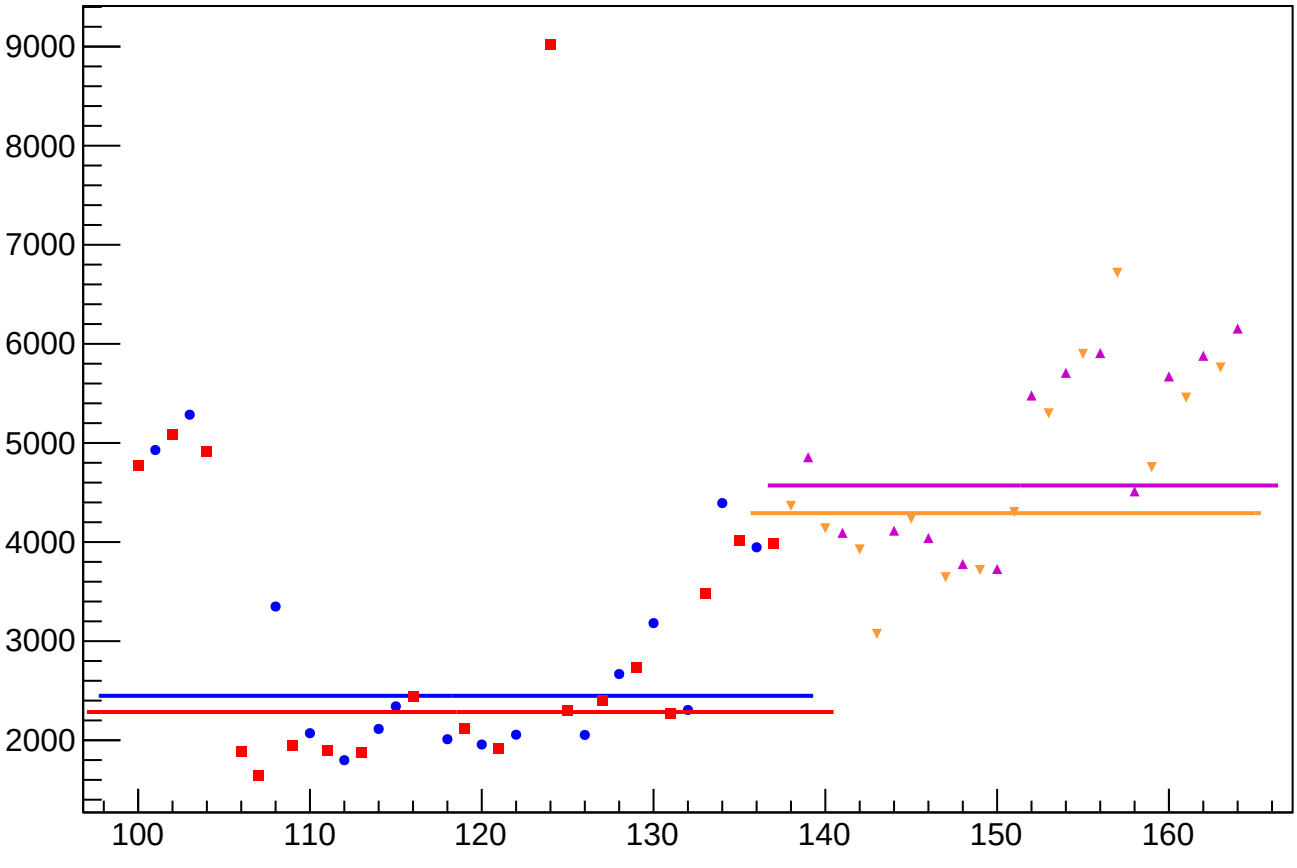
Left: -241.726+/-961.500 χ^2/NDF: 31.2/26

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: -250.551+/-795.546 χ^2/NDF:24.1/28

Out: -122.049+/-734.032 χ^2/NDF:41.6/32

All: -181.140+/-539.477 χ^2/NDF: 65.7/61



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4291.806+/-0.932 χ^2/NDF:950706.7/13

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4571.049+/-0.995 χ^2/NDF:668660.0/12

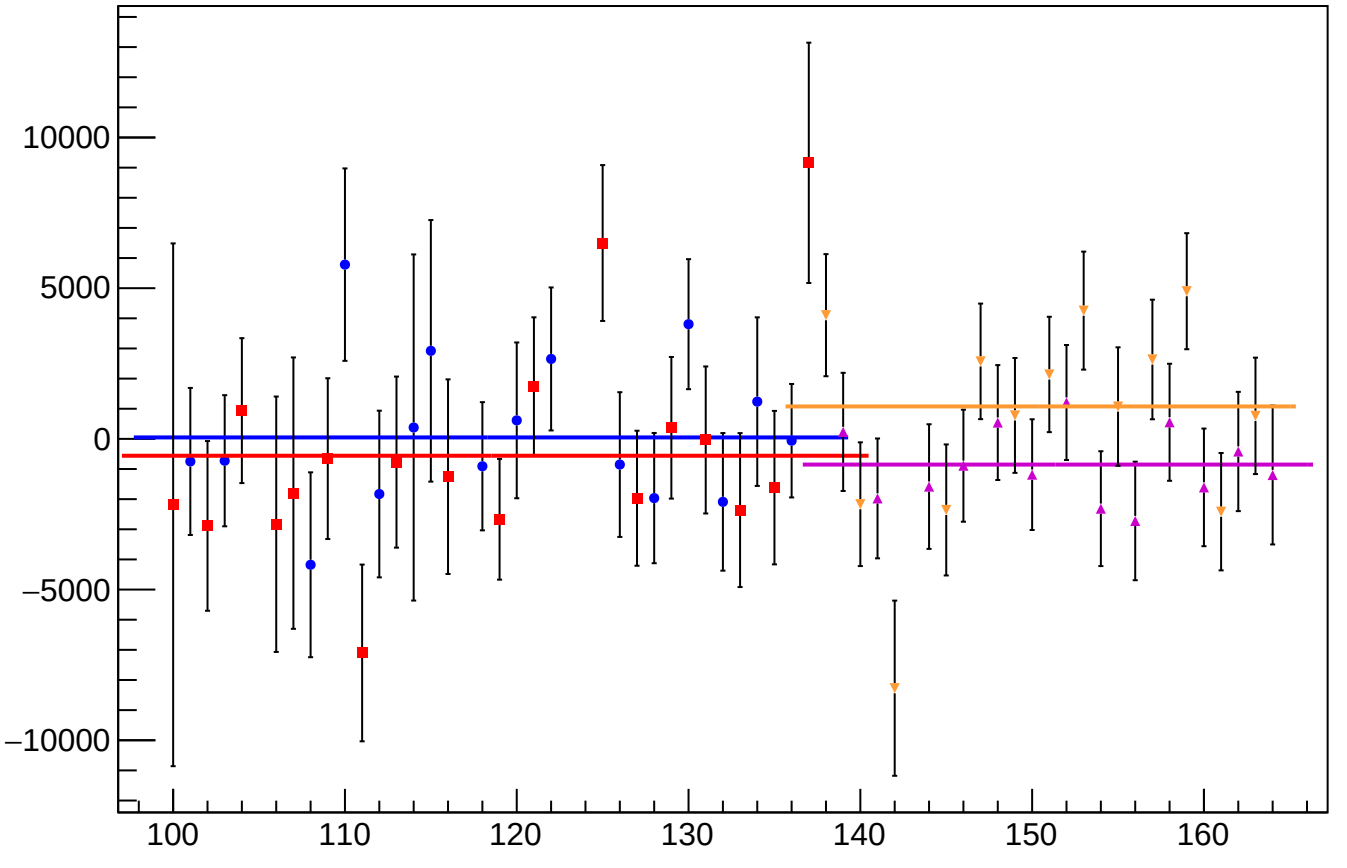
Left: 4422.297+/-0.680 χ^2/NDF: 1661359.3/26

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3127.592+/-0.563 χ^2/NDF:5283447.7/28

Out: 2908.095+/-0.519 χ^2/NDF:5699509.0/32

All: 3009.031+/-0.381 χ^2/NDF: 11065194.7/6



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1076.491+/-558.448 χ^2/NDF:29.0/12

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -852.693+/-543.303 χ^2/NDF:4.7/12

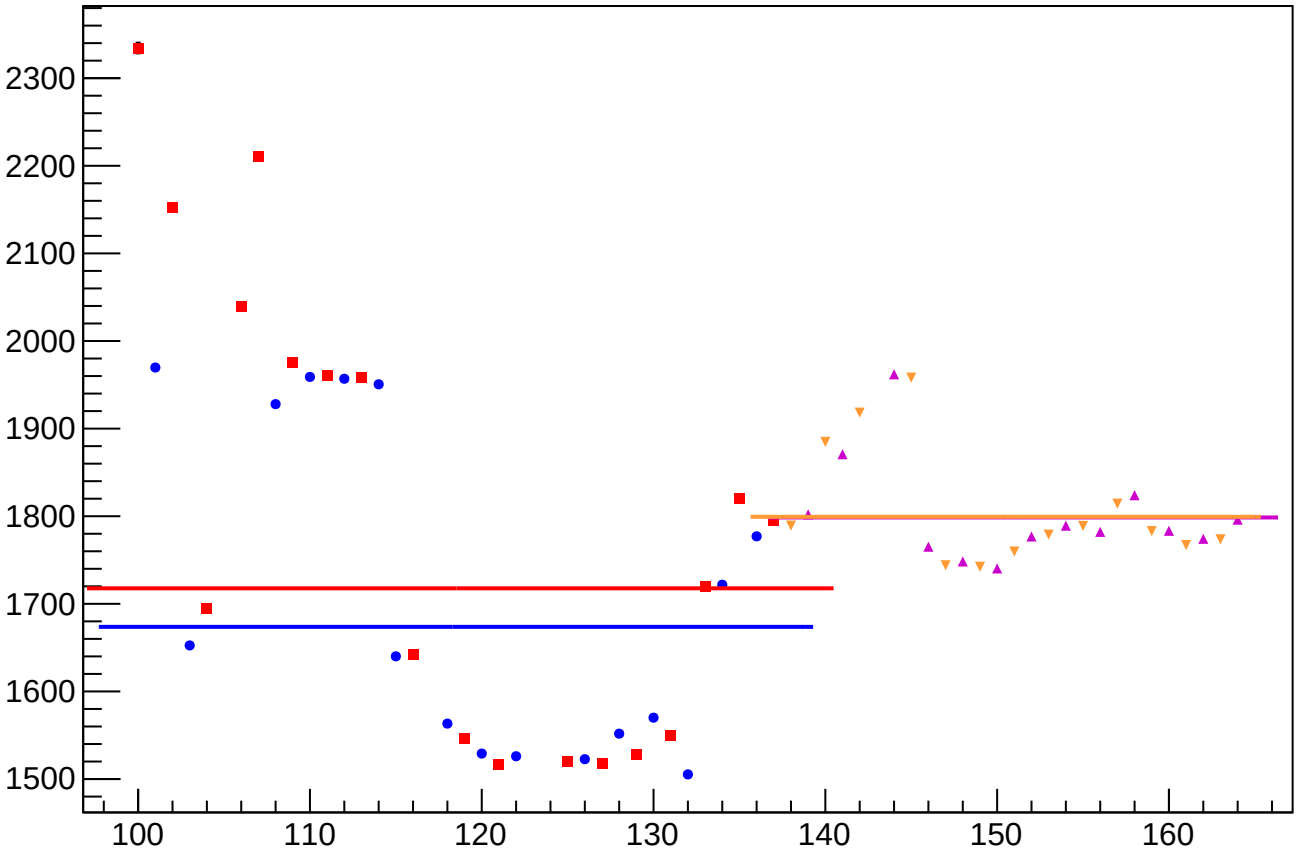
Left: 85.385+/-389.417 χ^2/NDF: 39.8/25

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -465.694+/-410.361 χ^2/NDF:18.7/28

Out: 375.869+/-422.273 χ^2/NDF:55.9/30

All: -56.951+/-294.290 χ^2/NDF: 76.7/59



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1799.338+/-0.395 χ^2/NDF:23298.7/12

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1798.586+/-0.384 χ^2/NDF:20382.8/12

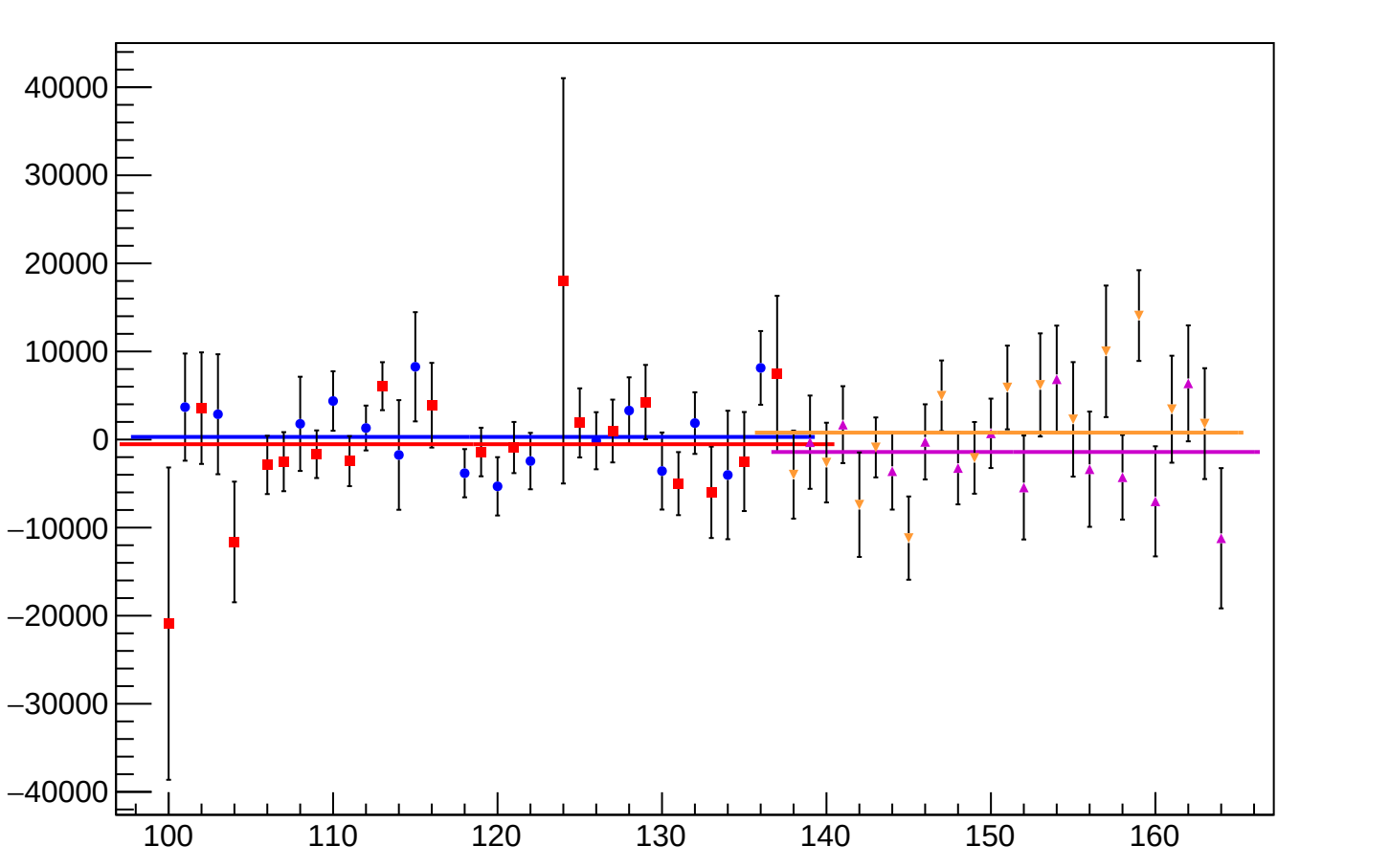
Left: 1798.952+/-0.275 χ^2/NDF: 43683.4/25

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1744.958+/-0.290 χ^2/NDF:206624.0/28

Out: 1764.291+/-0.298 χ^2/NDF:269285.9/30

All: 1754.358+/-0.208 χ^2/NDF: 478068.2/59



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 786.240+/-1317.374 χ^2/NDF:22.1/13

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -1413.548+/-1406.538 χ^2/NDF:7.8/12

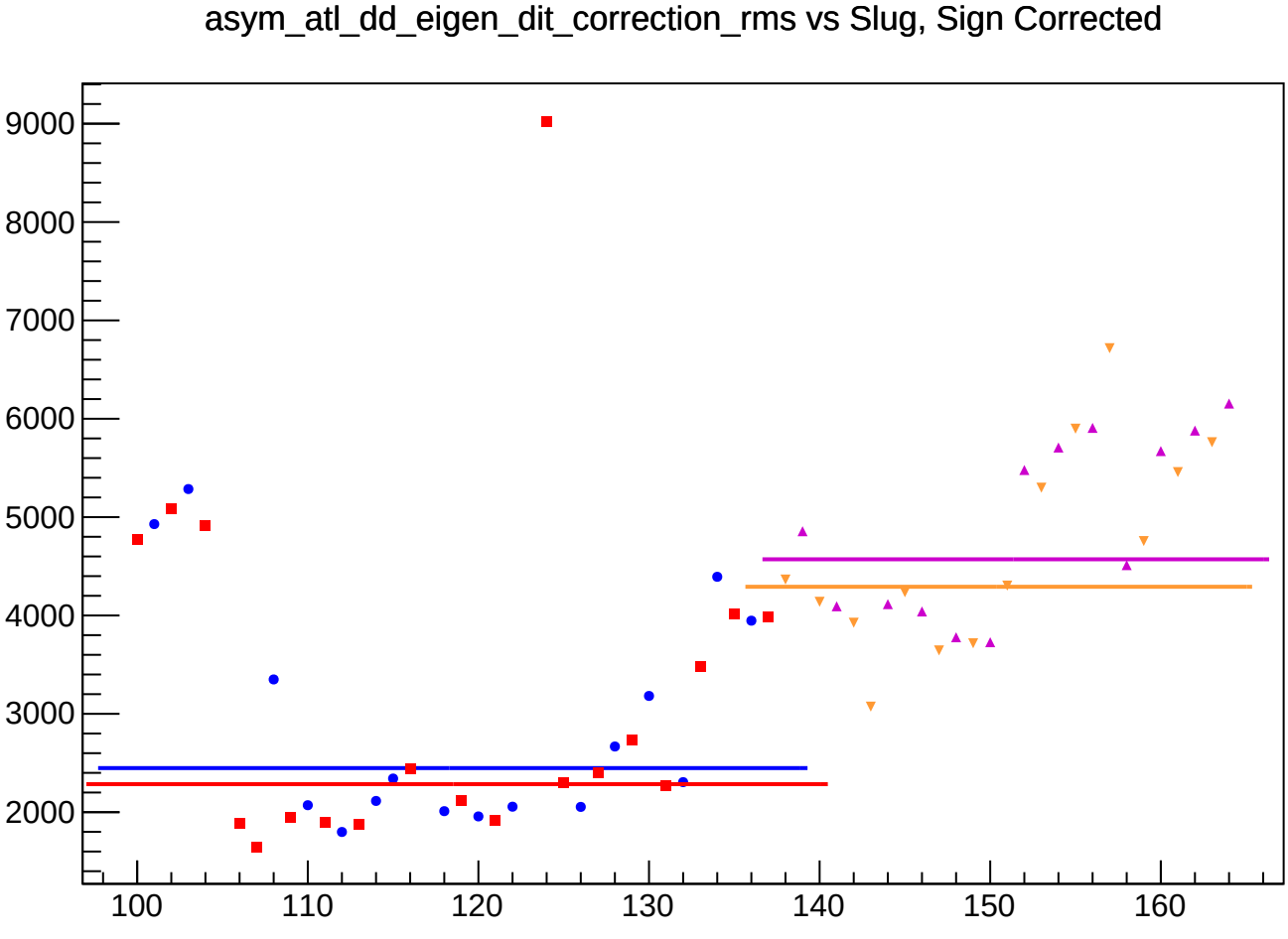
Left: -241.723+/-961.501 χ^2/NDF: 31.2/26

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

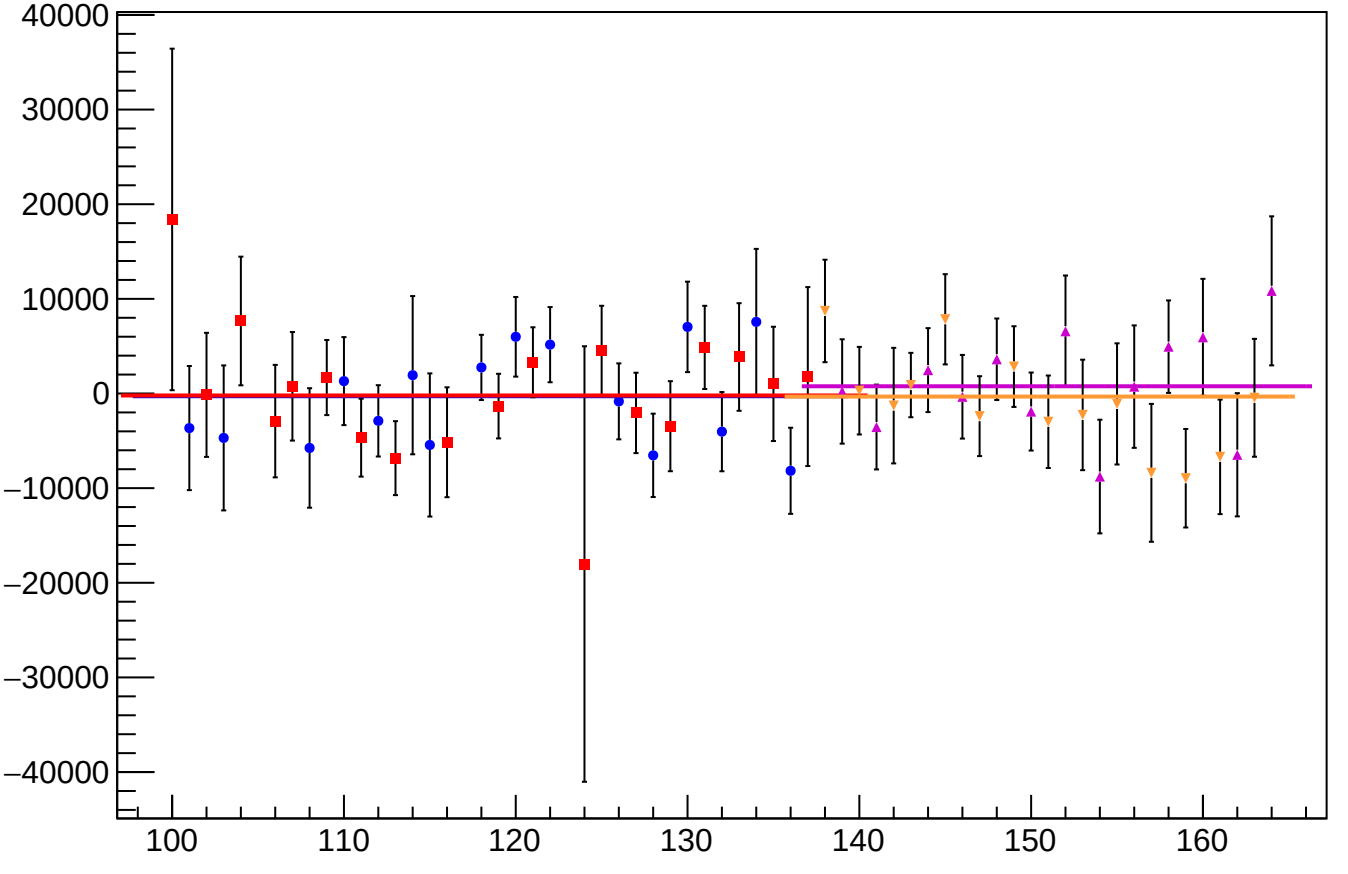
In: -250.551+/-795.544 χ^2/NDF:24.1/28

Out: -122.051+/-734.031 χ^2/NDF:41.6/32

All: -181.142+/-539.476 χ^2/NDF: 65.7/61


asym_atl_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 2448.587+/-0.682 χ²/NDF: 1517598.4/15
Left Out: 4291.811+/-0.932 χ²/NDF:950710.6/13
Right Out: 2285.066+/-0.625 χ²/NDF: 1548827.3/18
Left In: 4571.054+/-0.995 χ²/NDF:668662.7/12
Left: 4422.302+/-0.680 χ²/NDF: 1661366.1/26
Right: 2359.701+/-0.461 χ²/NDF: 3097663.3/34
In: 3127.582+/-0.563 χ²/NDF:5283513.2/28
Out: 2908.086+/-0.519 χ²/NDF:5699565.0/32
All: 3009.021+/-0.381 χ²/NDF: 11065315.2/6

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -324.546+/-1343.948 χ^2/NDF:12.2/13

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 763.946+/-1434.681 χ^2/NDF:9.8/12

Left: 184.195+/-980.824 χ^2/NDF: 22.3/26

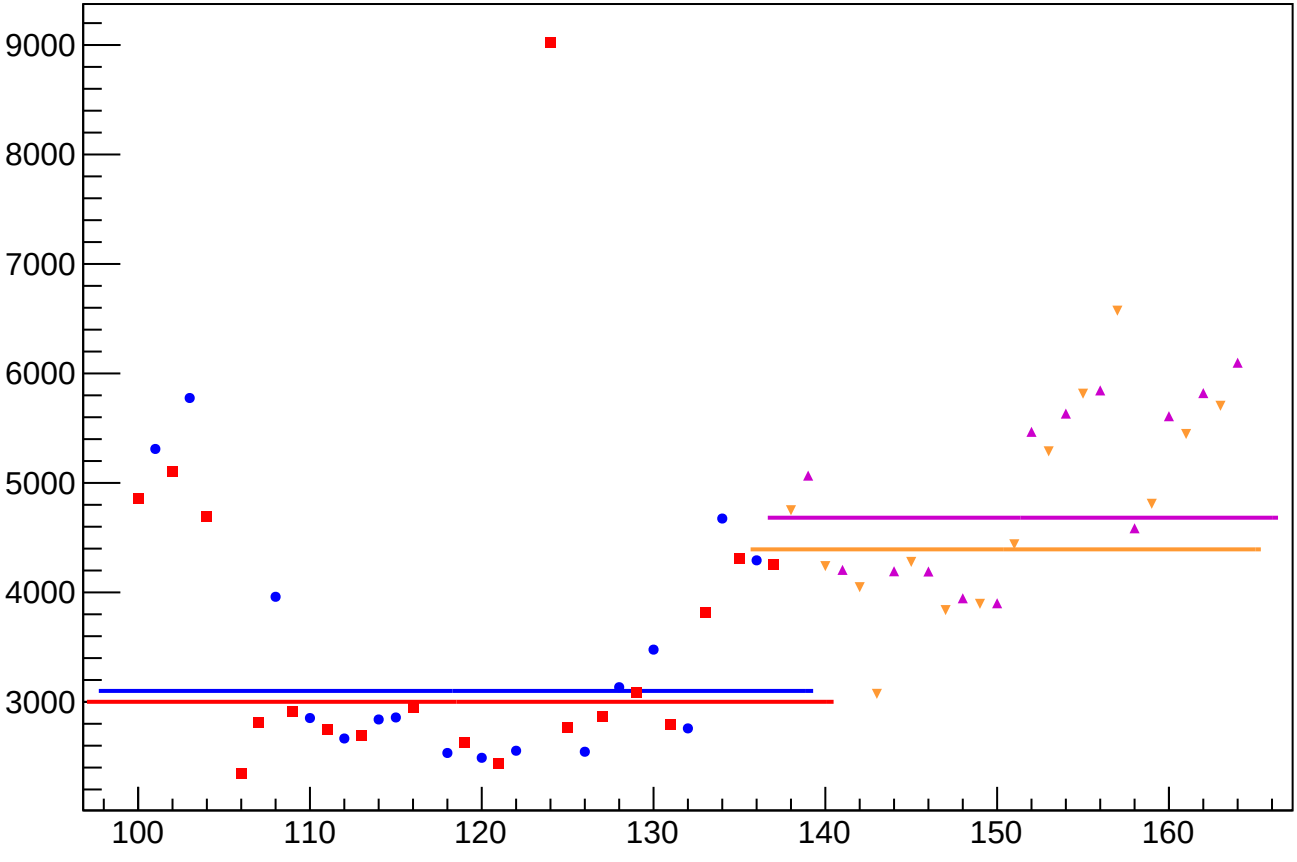
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: 144.306+/-919.263 χ^2/NDF:26.7/28

Out: -258.297+/-875.411 χ^2/NDF:25.1/32

All: -66.827+/-633.945 χ^2/NDF: 51.9/61

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4393.150+/-0.950 χ^2/NDF:868489.4/13

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4682.325+/-1.014 χ^2/NDF:533586.2/12

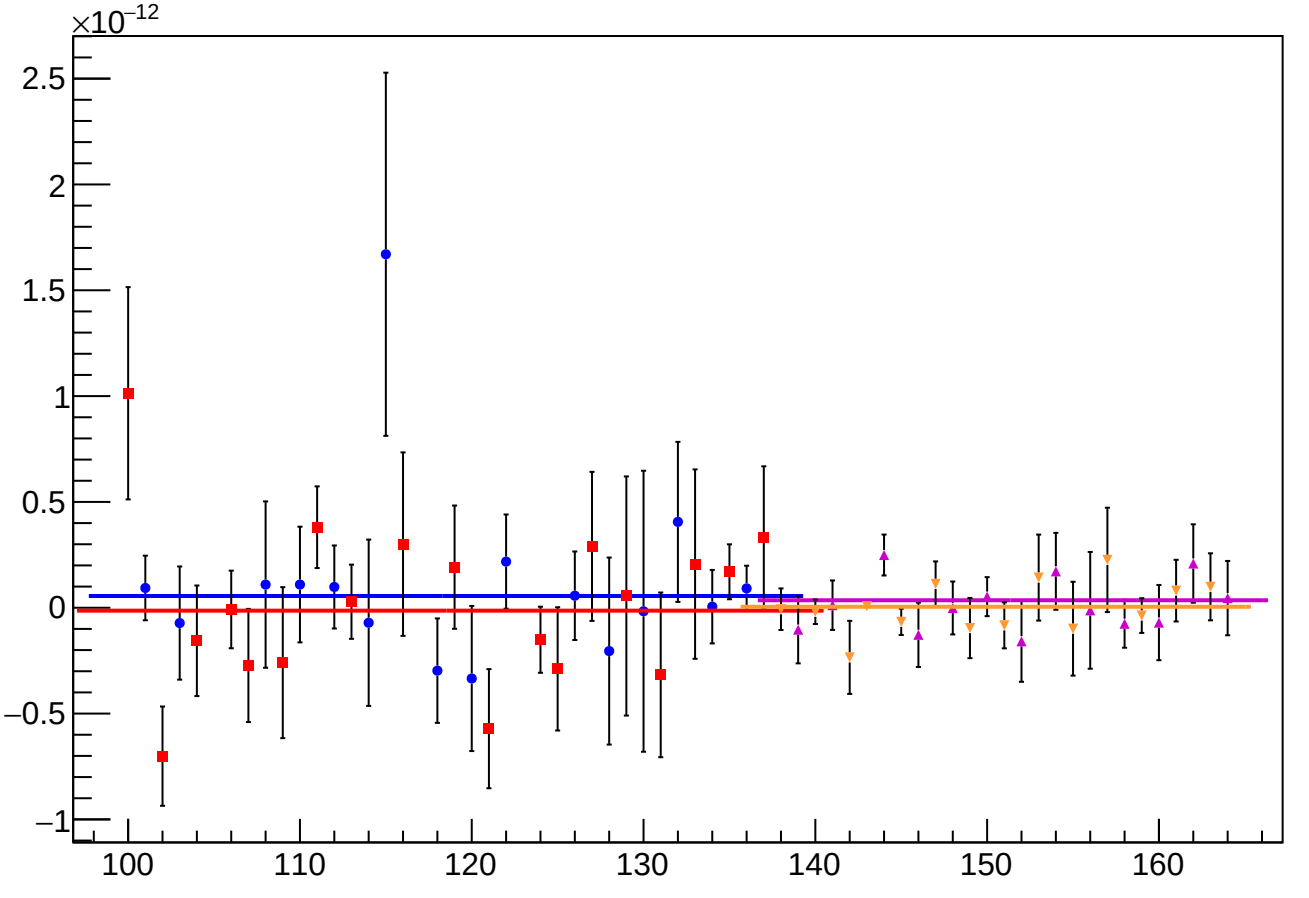
Left: 4528.305+/-0.694 χ^2/NDF: 1445352.8/26

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3749.706+/-0.650 χ^2/NDF:2931035.5/28

Out: 3582.301+/-0.614 χ^2/NDF:2925259.7/32

All: 3661.258+/-0.446 χ^2/NDF: 5891338.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/12

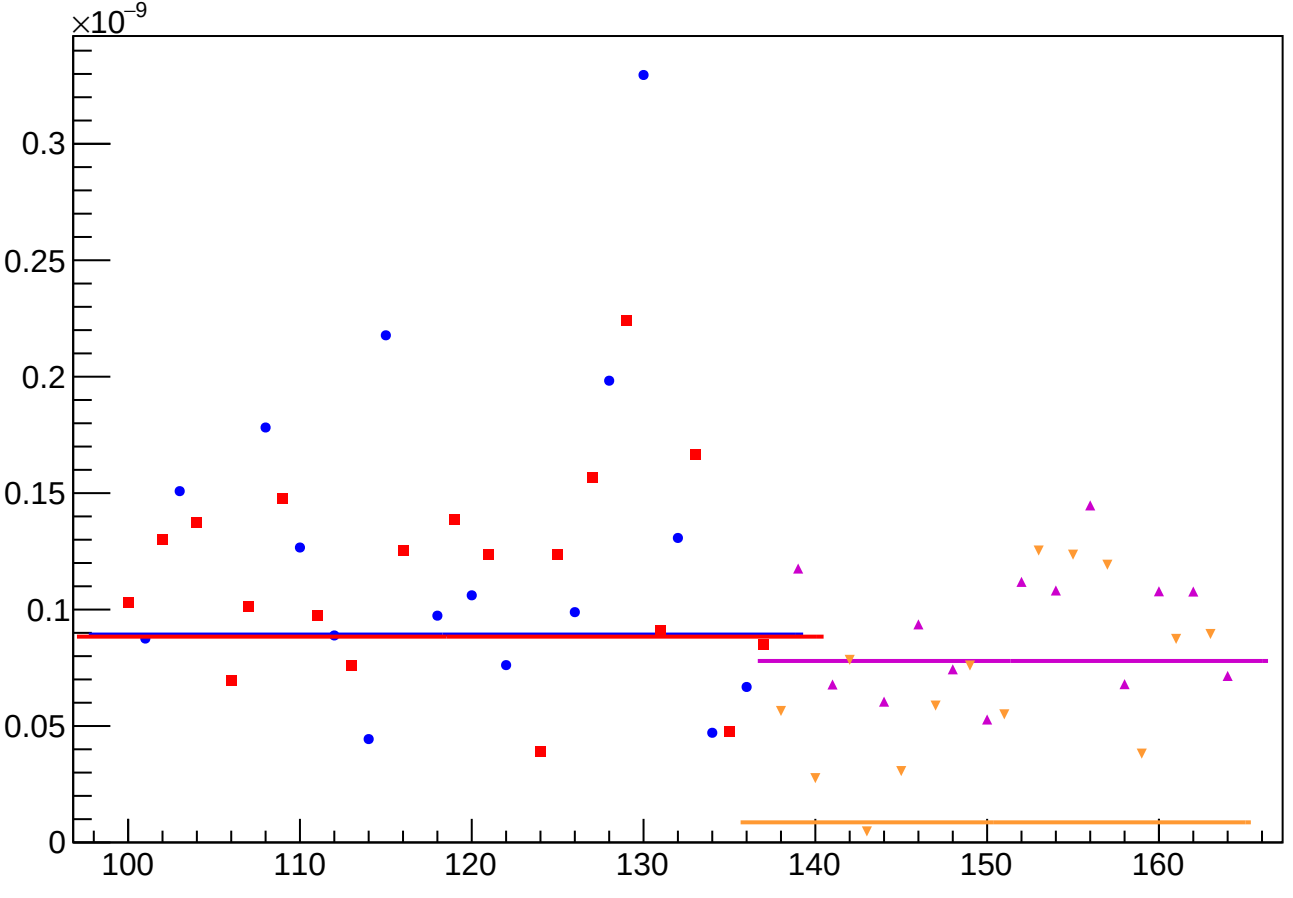
Left: 0.000+/-0.000 χ^2/NDF: 19.4/26

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:20.2/28

Out: 0.000+/-0.000 χ^2/NDF:38.2/32

All: 0.000+/-0.000 χ^2/NDF: 59.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5870978.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:738459.3/12

Left: 0.000+/-0.000 χ^2/NDF: 12887470.6/26

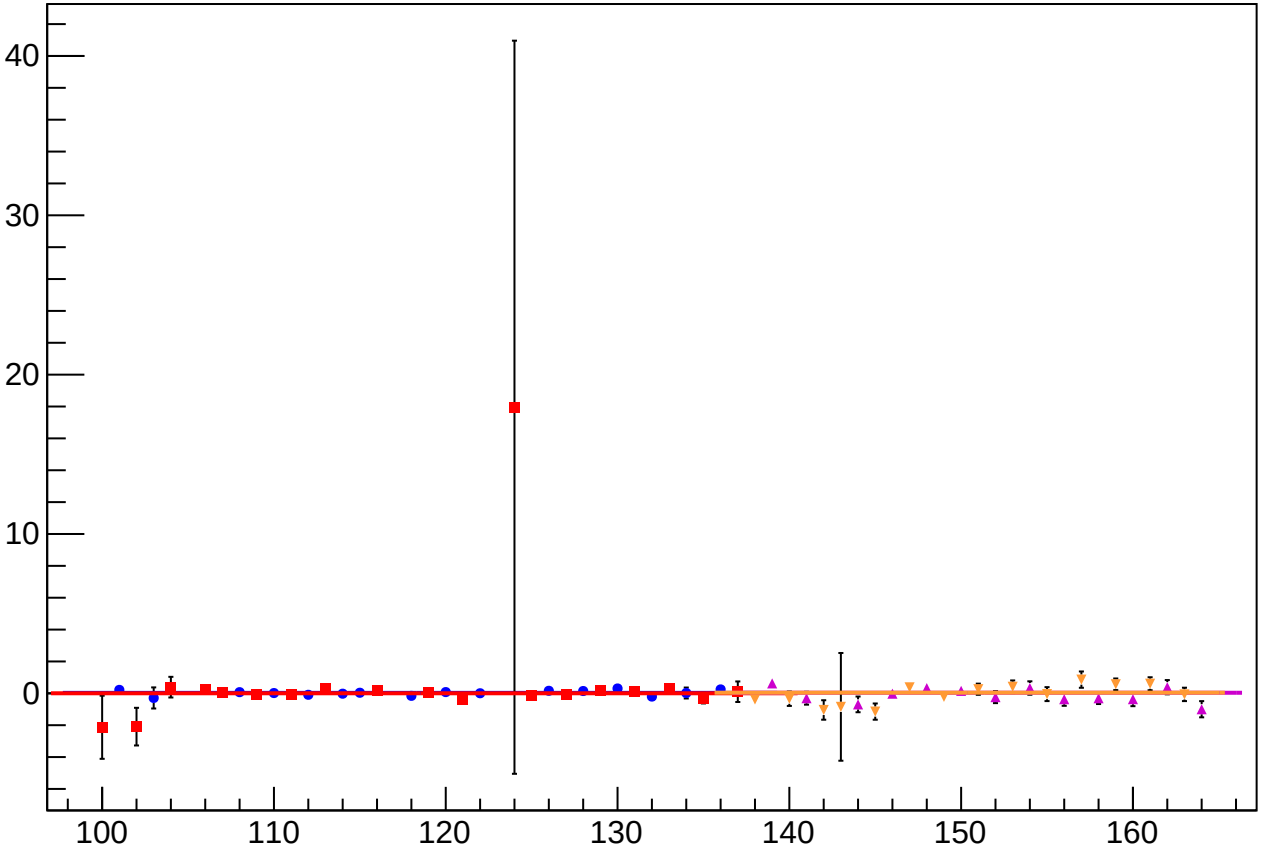
Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1743385.2/28

Out: 0.000+/-0.000 χ^2/NDF:10880120.0/32

All: 0.000+/-0.000 χ^2/NDF: 22039633.2/61

asym_atl_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.041+/-0.106 χ^2/NDF:21.5/13

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.035+/-0.099 χ^2/NDF:18.8/12

Left: 0.038+/-0.073 χ^2/NDF: 40.3/26

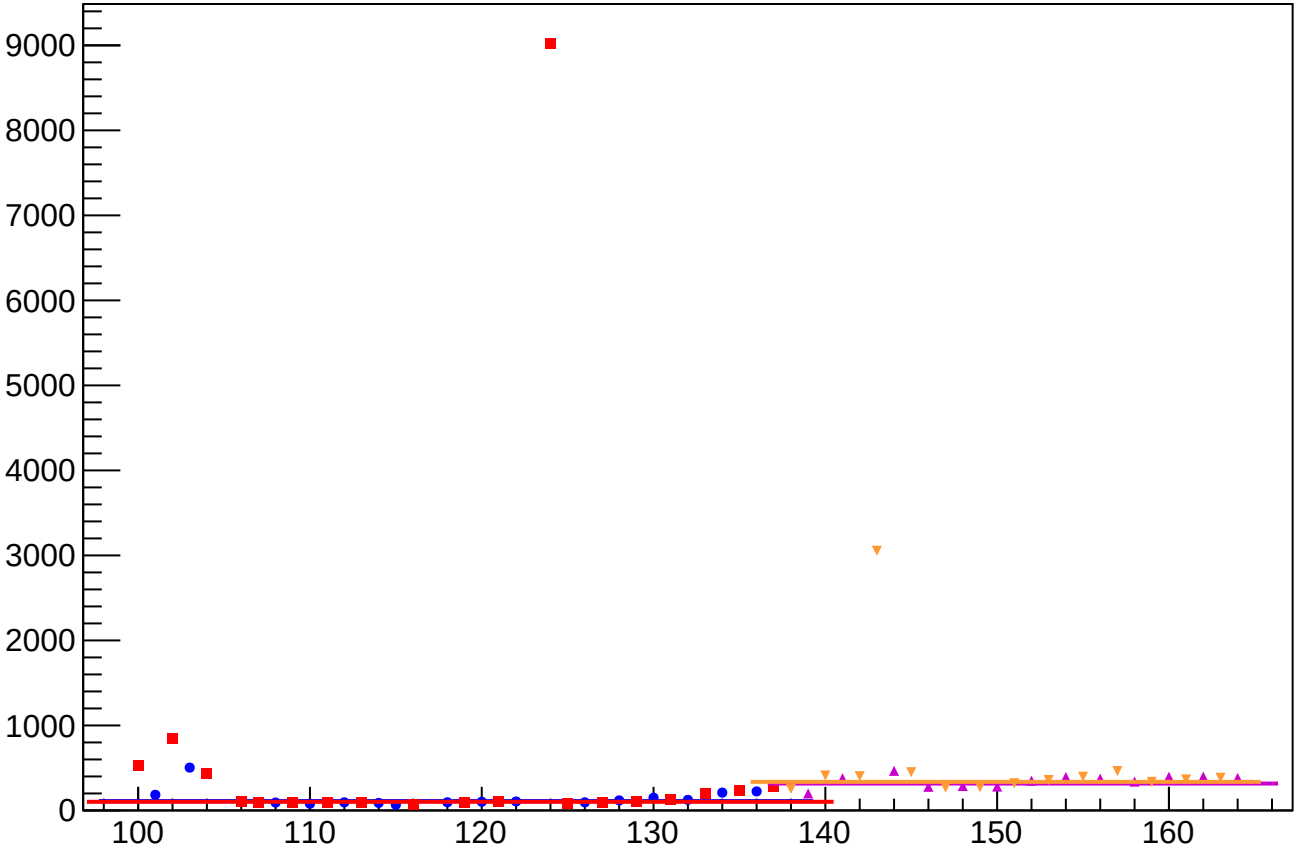
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.029+/-0.041 χ^2/NDF:27.7/28

Out: 0.009+/-0.040 χ^2/NDF:44.0/32

All: 0.019+/-0.029 χ^2/NDF: 71.8/61

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: 336.392+/-0.075 χ^2/NDF:2031725.6/13

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 316.501+/-0.070 χ^2/NDF:1110182.2/12

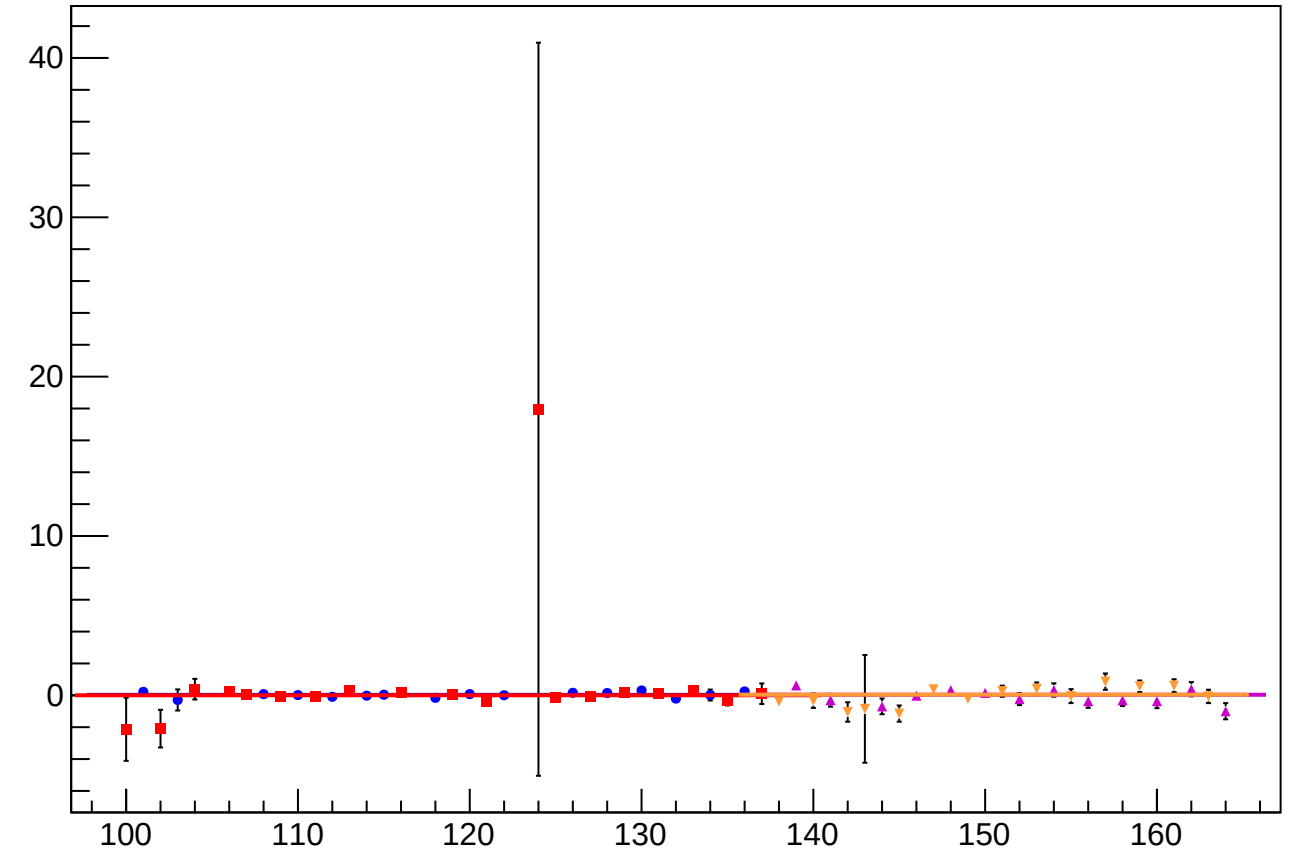
Left: 325.782+/-0.051 χ^2/NDF: 3179312.3/26

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 145.529+/-0.029 χ^2/NDF:10193846.3/28

Out: 135.361+/-0.028 χ^2/NDF:12977790.5/32

All: 140.312+/-0.020 χ^2/NDF: 23234077.9/61



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.041+/-0.106 χ^2/NDF:21.5/13

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.035+/-0.099 χ^2/NDF:18.8/12

Left: 0.038+/-0.073 χ^2/NDF: 40.3/26

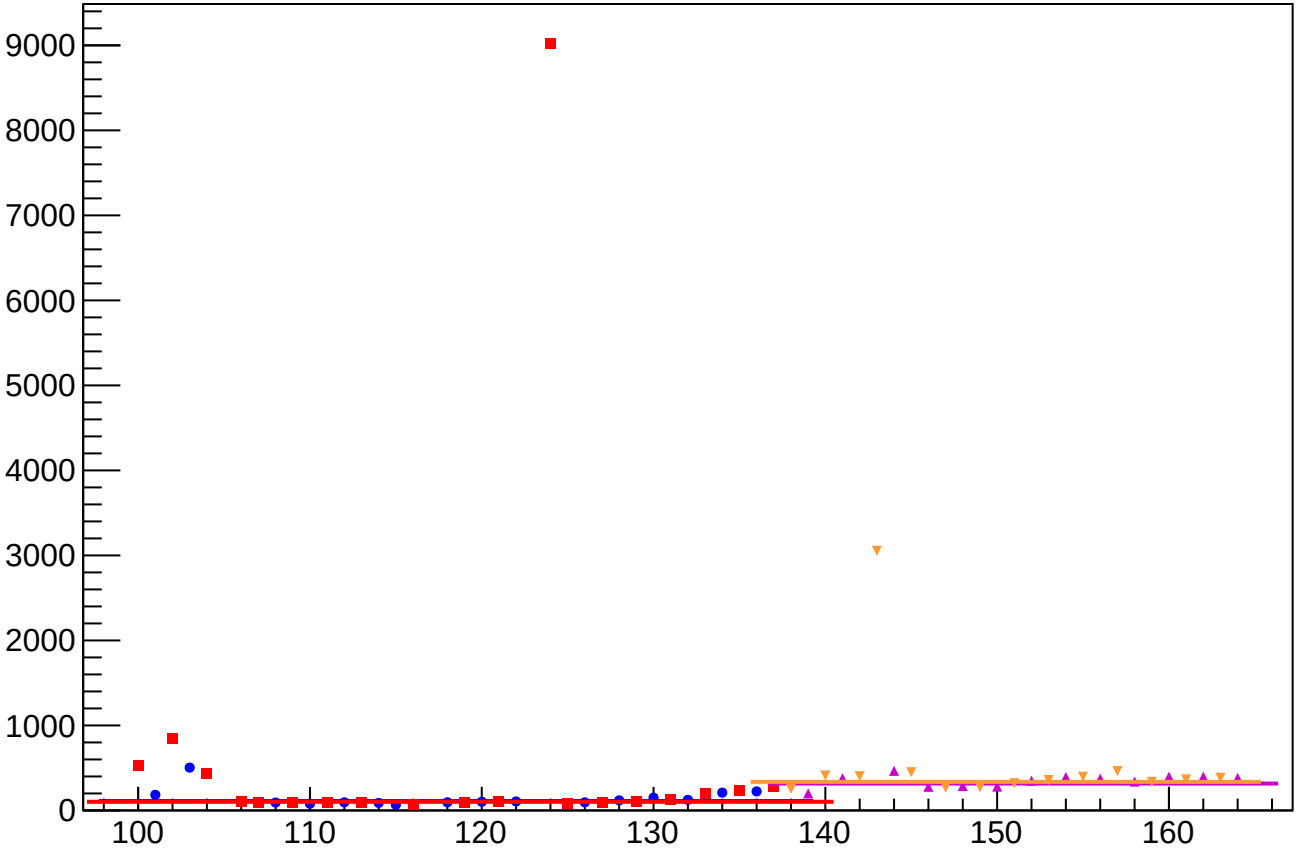
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.029+/-0.041 χ^2/NDF:27.7/28

Out: 0.009+/-0.040 χ^2/NDF:44.0/32

All: 0.019+/-0.029 χ^2/NDF: 71.8/61

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: 336.392+/-0.075 χ^2/NDF:2031725.6/13

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 316.501+/-0.070 χ^2/NDF:1110182.2/12

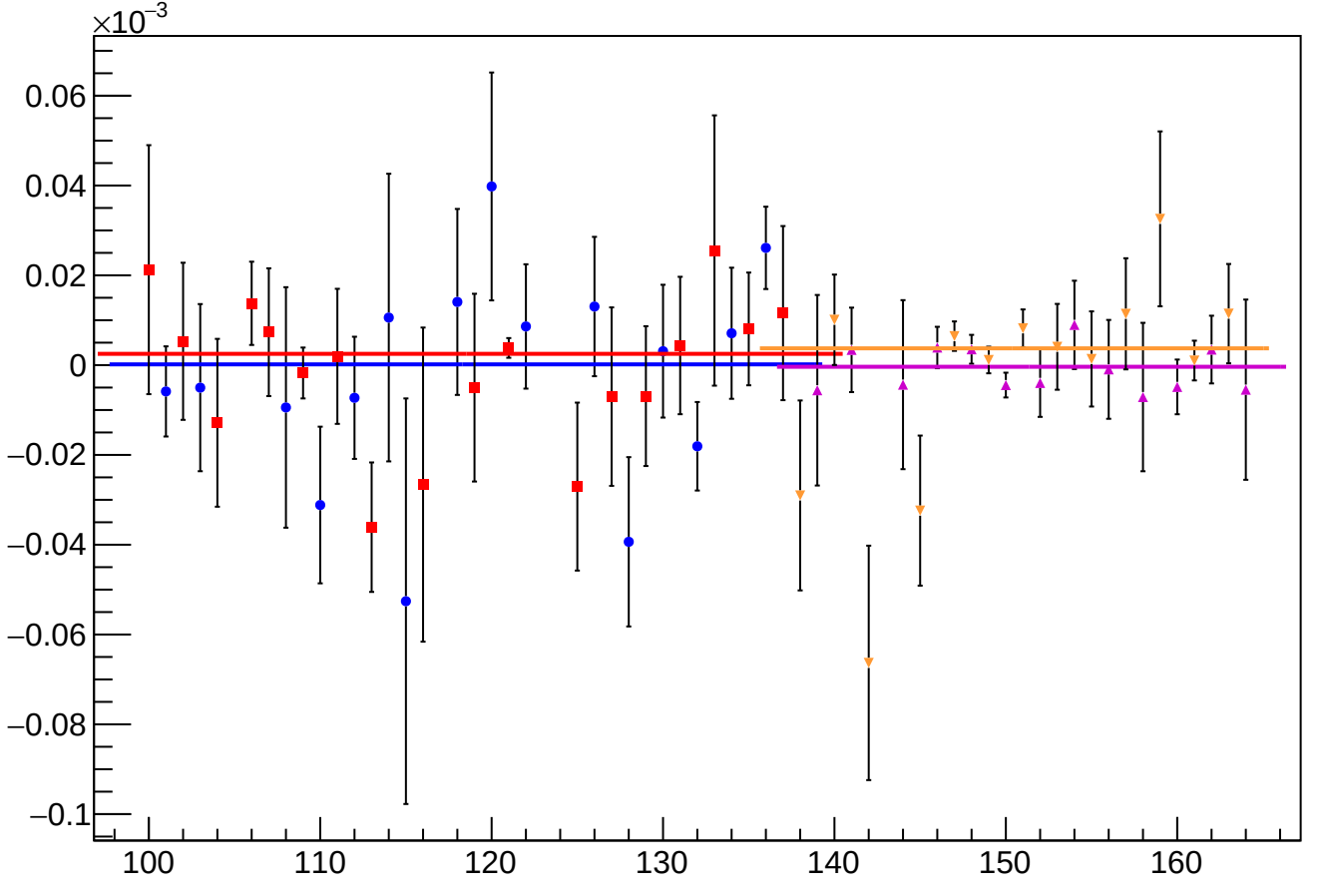
Left: 325.782+/-0.051 χ^2/NDF: 3179312.3/26

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 145.529+/-0.029 χ^2/NDF:10193846.3/28

Out: 135.361+/-0.028 χ^2/NDF:12977790.5/32

All: 140.312+/-0.020 χ^2/NDF: 23234077.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:6.9/12

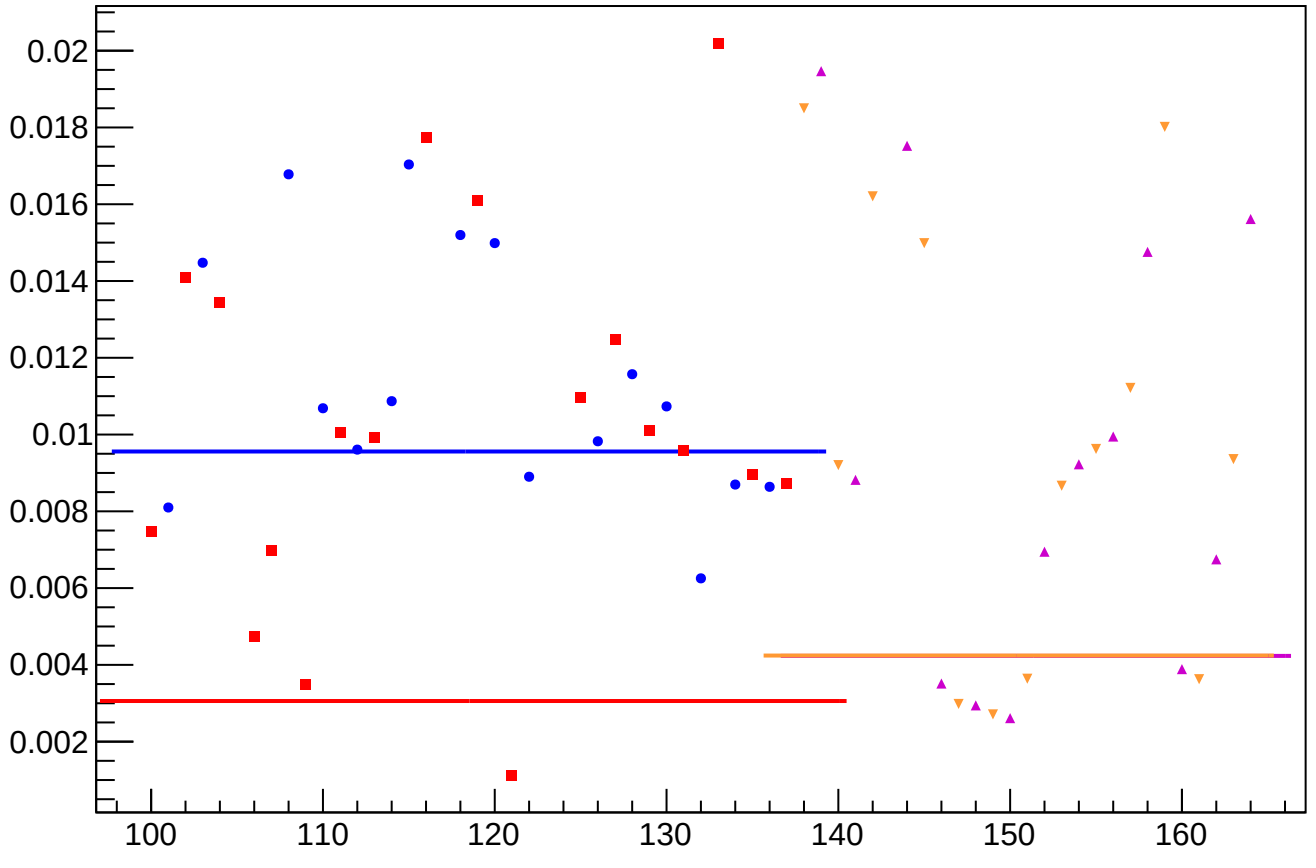
Left: 0.000+/-0.000 χ^2/NDF: 30.8/25

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:32.6/28

Out: 0.000+/-0.000 χ^2/NDF:36.8/30

All: 0.000+/-0.000 χ^2/NDF: 72.6/59



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:6558121.8/12

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:6558623.1/12

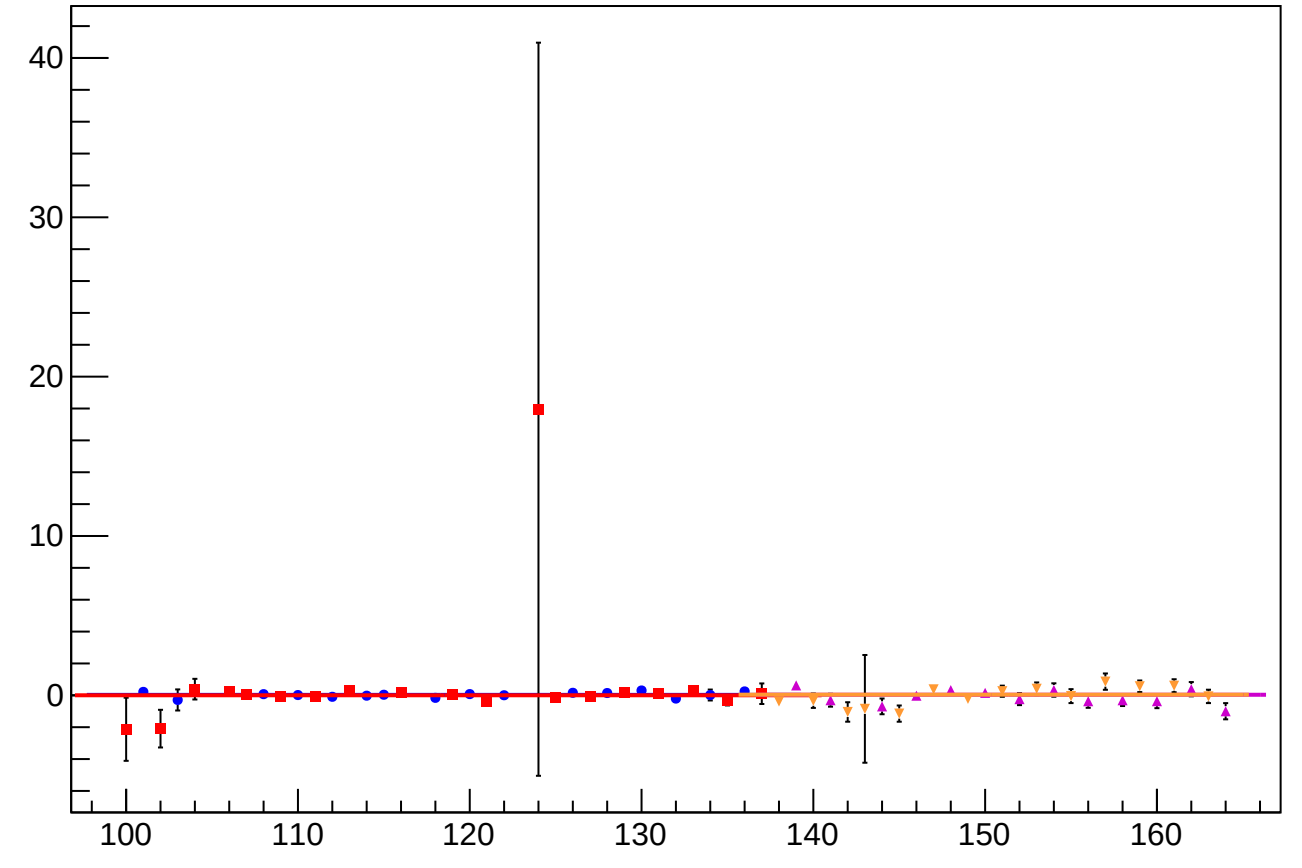
Left: 0.004+/-0.000 χ^2/NDF: 13116775.2/25

Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:10909053.8/28

Out: 0.004+/-0.000 χ^2/NDF:15143544.9/30

All: 0.004+/-0.000 χ^2/NDF: 27064643.6/59



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.041+/-0.106 χ^2/NDF:21.5/13

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.035+/-0.099 χ^2/NDF:18.8/12

Left: 0.038+/-0.073 χ^2/NDF: 40.3/26

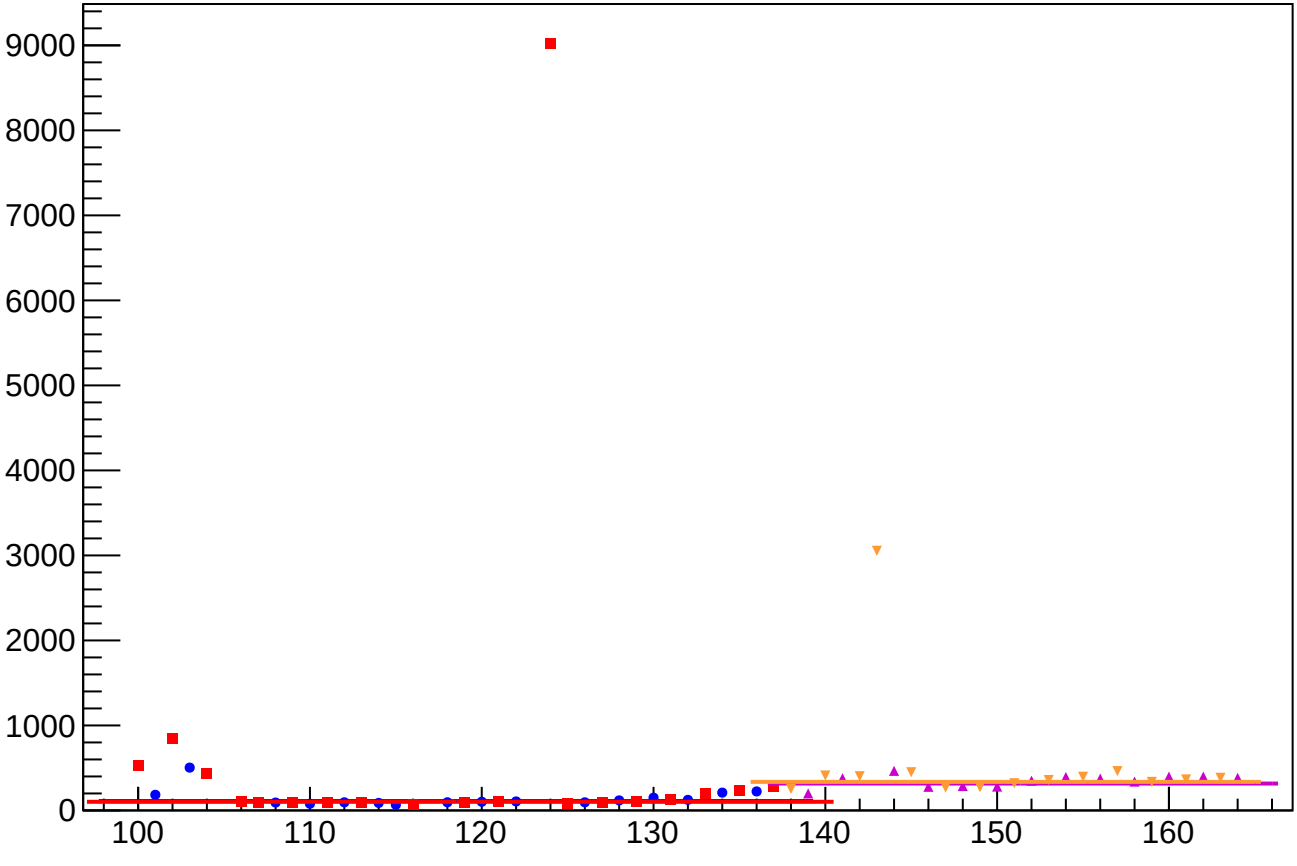
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.029+/-0.041 χ^2/NDF:27.7/28

Out: 0.009+/-0.040 χ^2/NDF:44.0/32

All: 0.019+/-0.029 χ^2/NDF: 71.8/61

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: 336.396+/-0.075 χ^2/NDF:2031774.6/13

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 316.505+/-0.070 χ^2/NDF:1110163.6/12

Left: 325.786+/-0.051 χ^2/NDF: 3179335.7/26

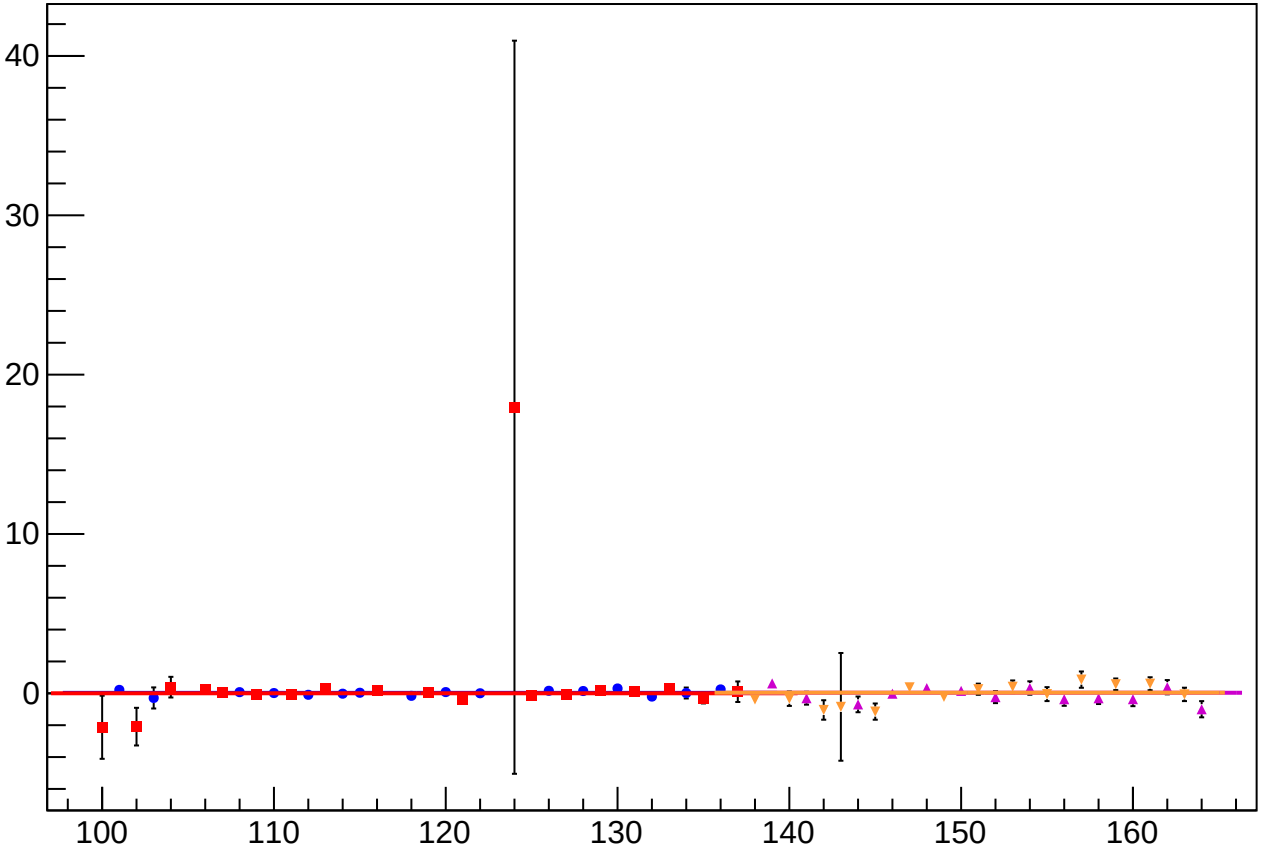
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 145.530+/-0.029 χ^2/NDF:10193838.0/28

Out: 135.363+/-0.028 χ^2/NDF:12977721.7/32

All: 140.313+/-0.020 χ^2/NDF: 23233995.2/61

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: 0.041+/-0.106 χ^2/NDF:21.5/13

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.035+/-0.099 χ^2/NDF:18.8/12

Left: 0.038+/-0.073 χ^2/NDF: 40.3/26

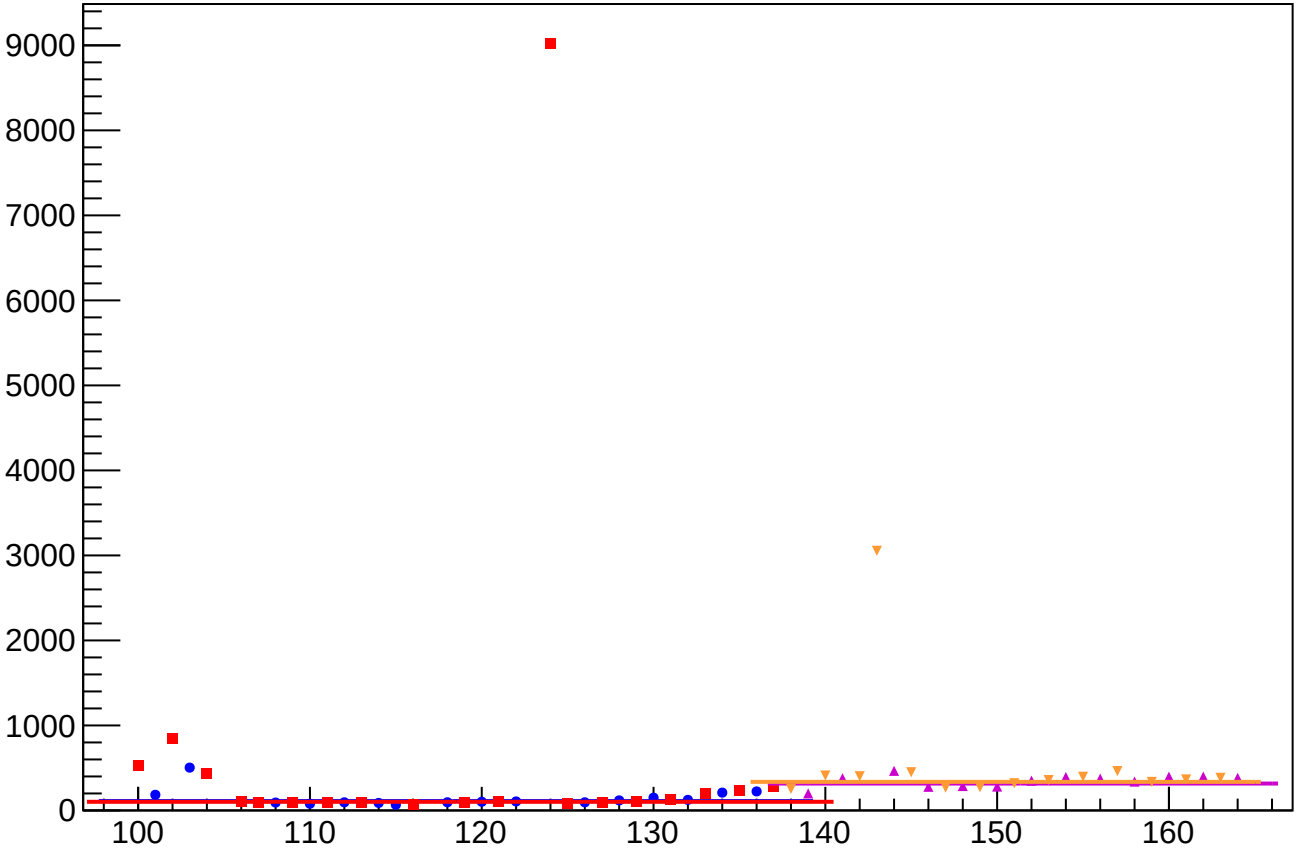
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.029+/-0.041 χ^2/NDF:27.7/28

Out: 0.009+/-0.040 χ^2/NDF:44.0/32

All: 0.019+/-0.029 χ^2/NDF: 71.8/61

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: 336.396+/-0.075 χ^2/NDF:2031774.6/13

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 316.505+/-0.070 χ^2/NDF:1110163.6/12

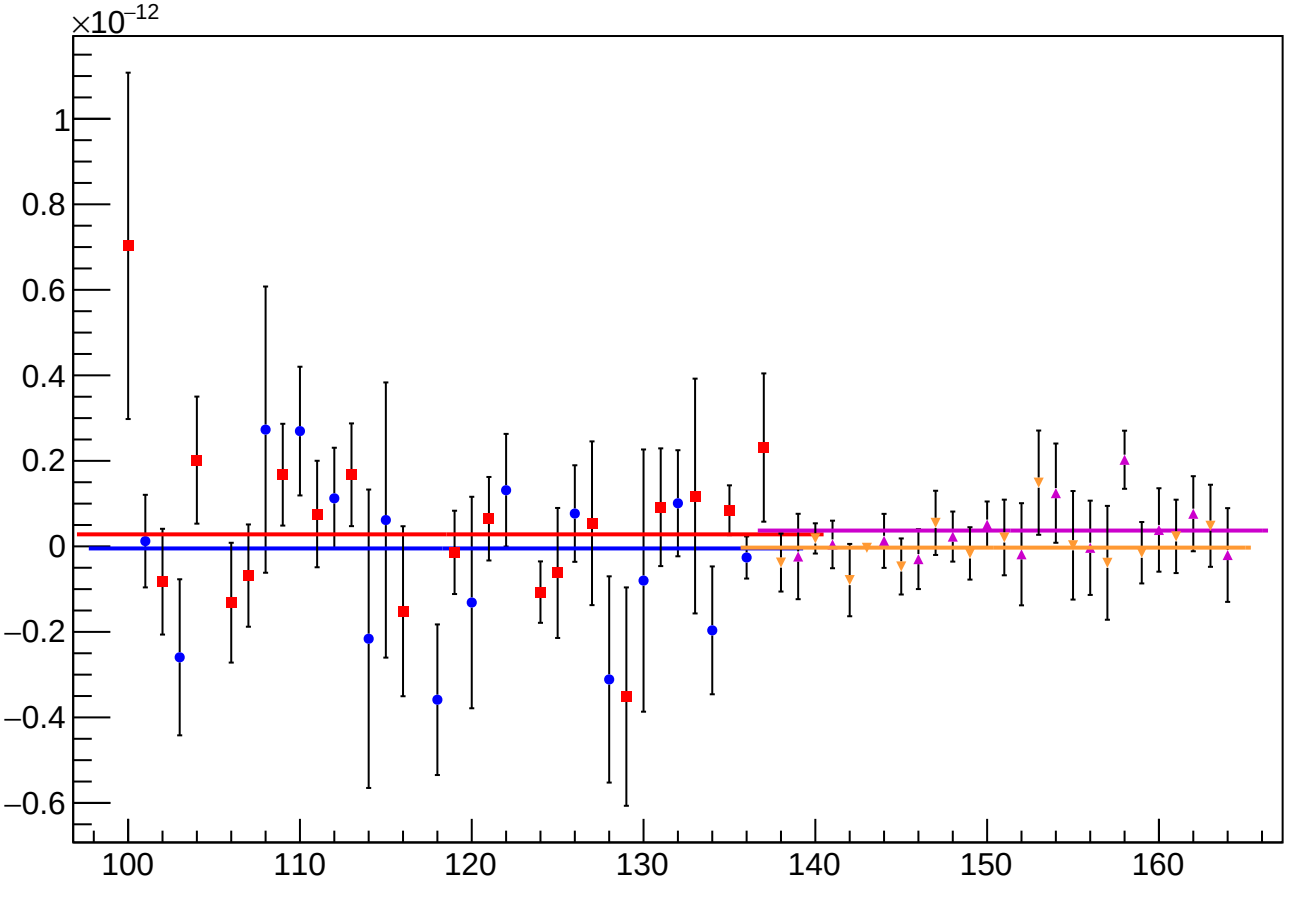
Left: 325.786+/-0.051 χ^2/NDF: 3179335.7/26

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 145.530+/-0.029 χ^2/NDF:10193838.0/28

Out: 135.363+/-0.028 χ^2/NDF:12977721.7/32

All: 140.313+/-0.020 χ^2/NDF: 23233995.2/61



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/12

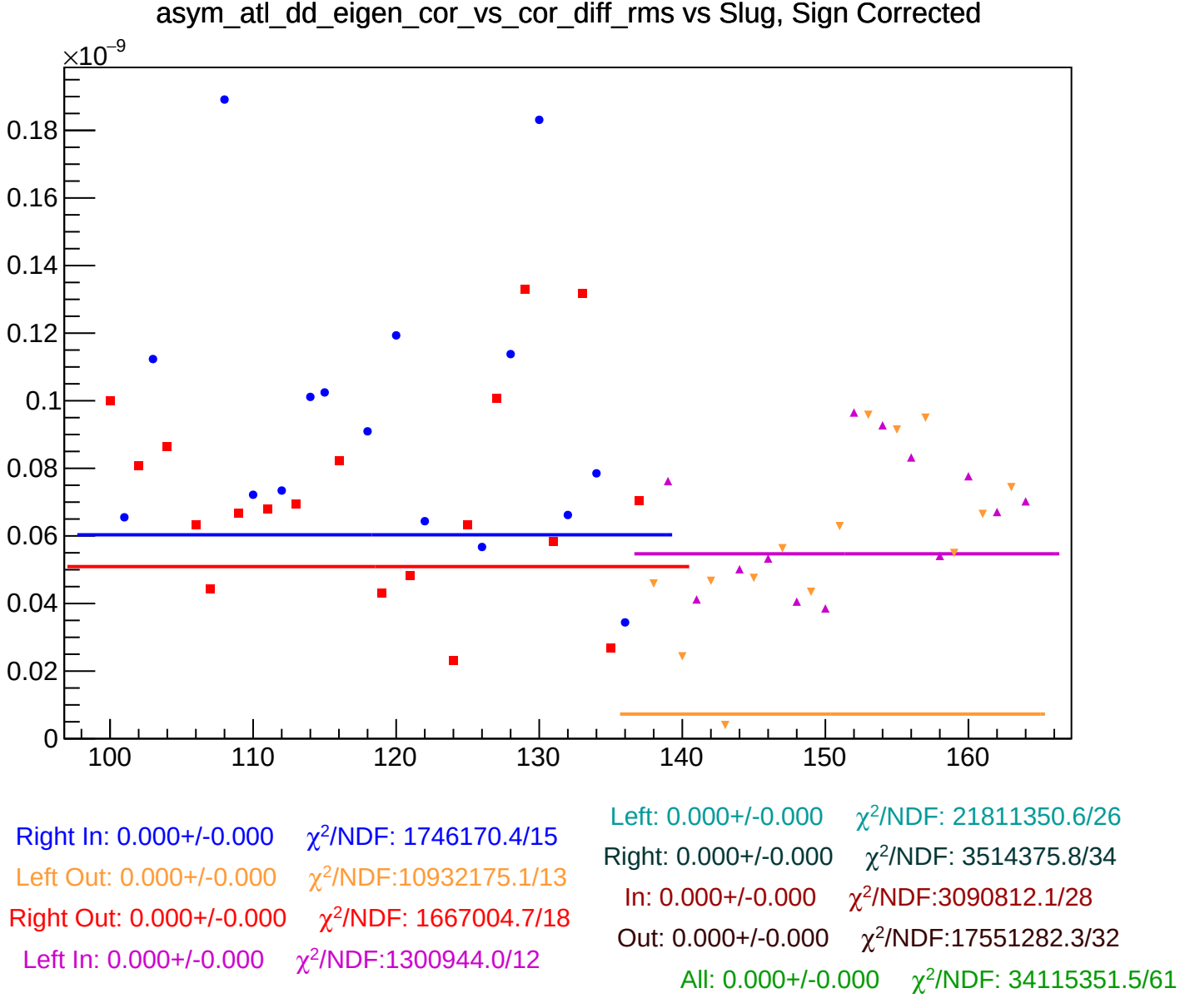
Left: -0.000+/-0.000 χ^2/NDF: 17.3/26

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

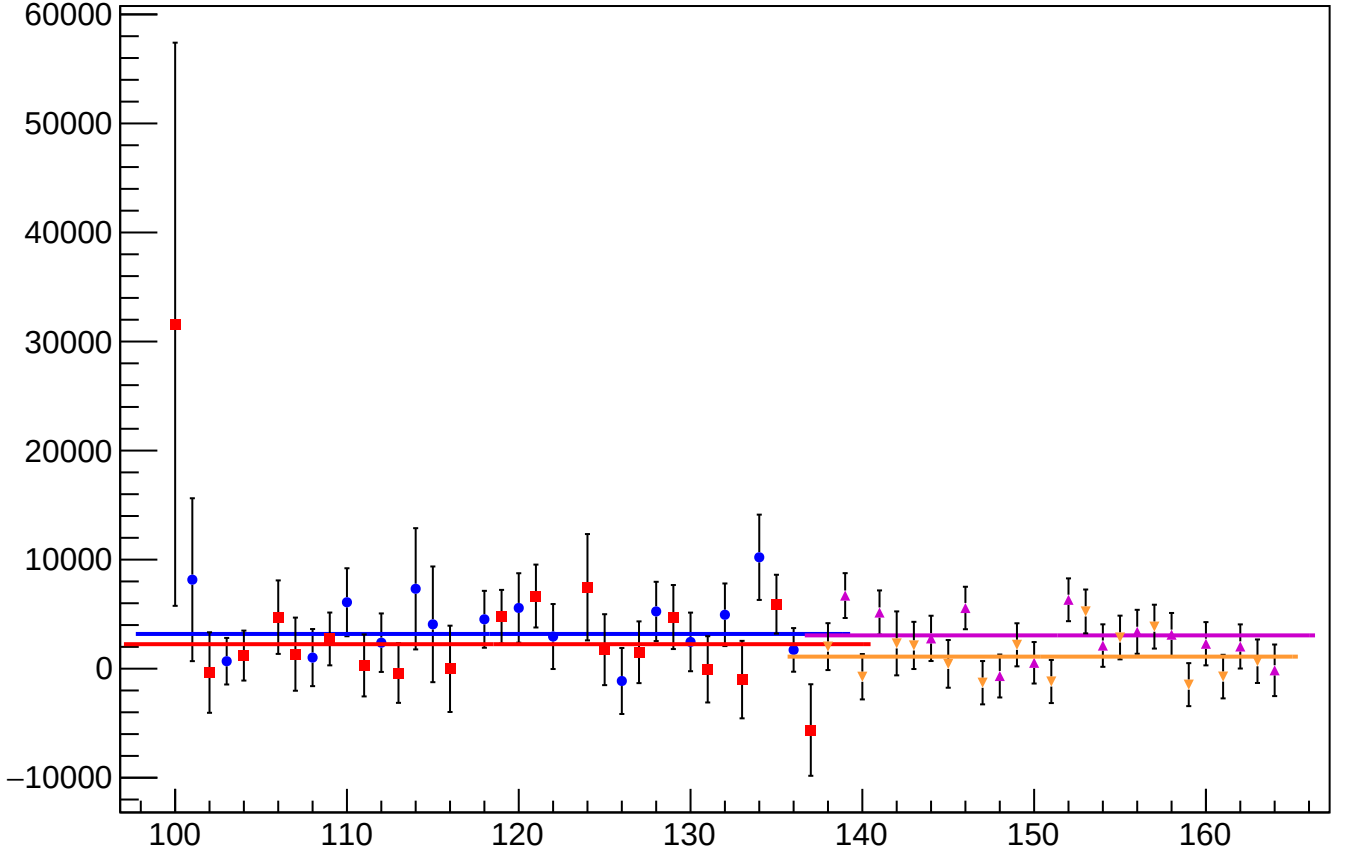
In: 0.000+/-0.000 χ^2/NDF:27.9/28

Out: -0.000+/-0.000 χ^2/NDF:25.5/32

All: 0.000+/-0.000 χ^2/NDF: 55.5/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 1746170.4/15
Left Out: 0.000+/-0.000 χ²/NDF:10932175.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 1667004.7/18
Left In: 0.000+/-0.000 χ²/NDF:1300944.0/12
Left: 0.000+/-0.000 χ²/NDF: 21811350.6/26
Right: 0.000+/-0.000 χ²/NDF: 3514375.8/34
In: 0.000+/-0.000 χ²/NDF:3090812.1/28
Out: 0.000+/-0.000 χ²/NDF:17551282.3/32
All: 0.000+/-0.000 χ²/NDF: 34115351.5/61

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1104.173+/-554.316 χ^2/NDF:14.0/13

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3052.922+/-558.268 χ^2/NDF:16.5/12

Left: 2071.624+/-393.350 χ^2/NDF: 36.6/26

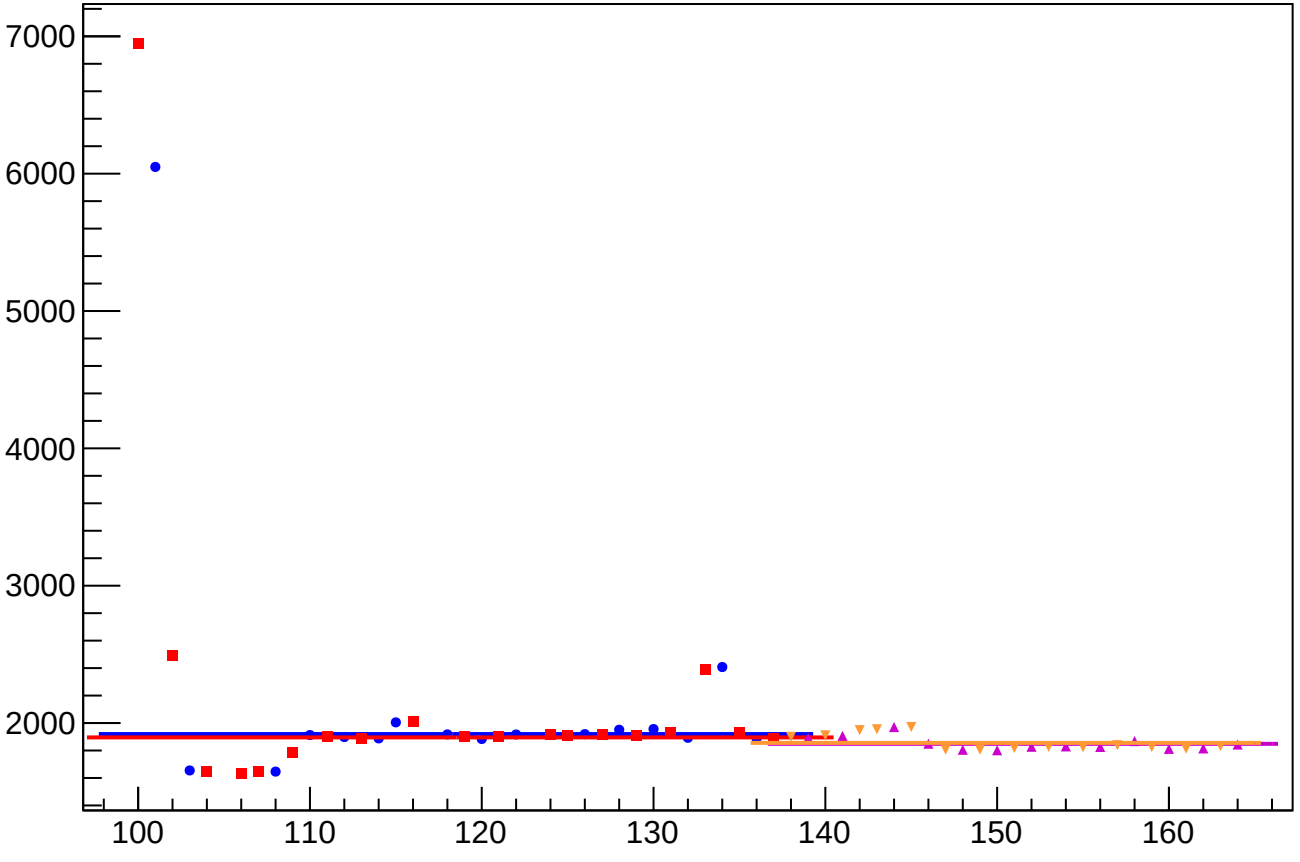
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3101.089+/-443.709 χ^2/NDF:28.2/28

Out: 1535.917+/-437.137 χ^2/NDF:32.1/32

All: 2306.827+/-311.400 χ^2/NDF: 66.6/61

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1855.551+/-0.392 χ^2/NDF:19858.3/13

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1848.551+/-0.395 χ^2/NDF:13710.4/12

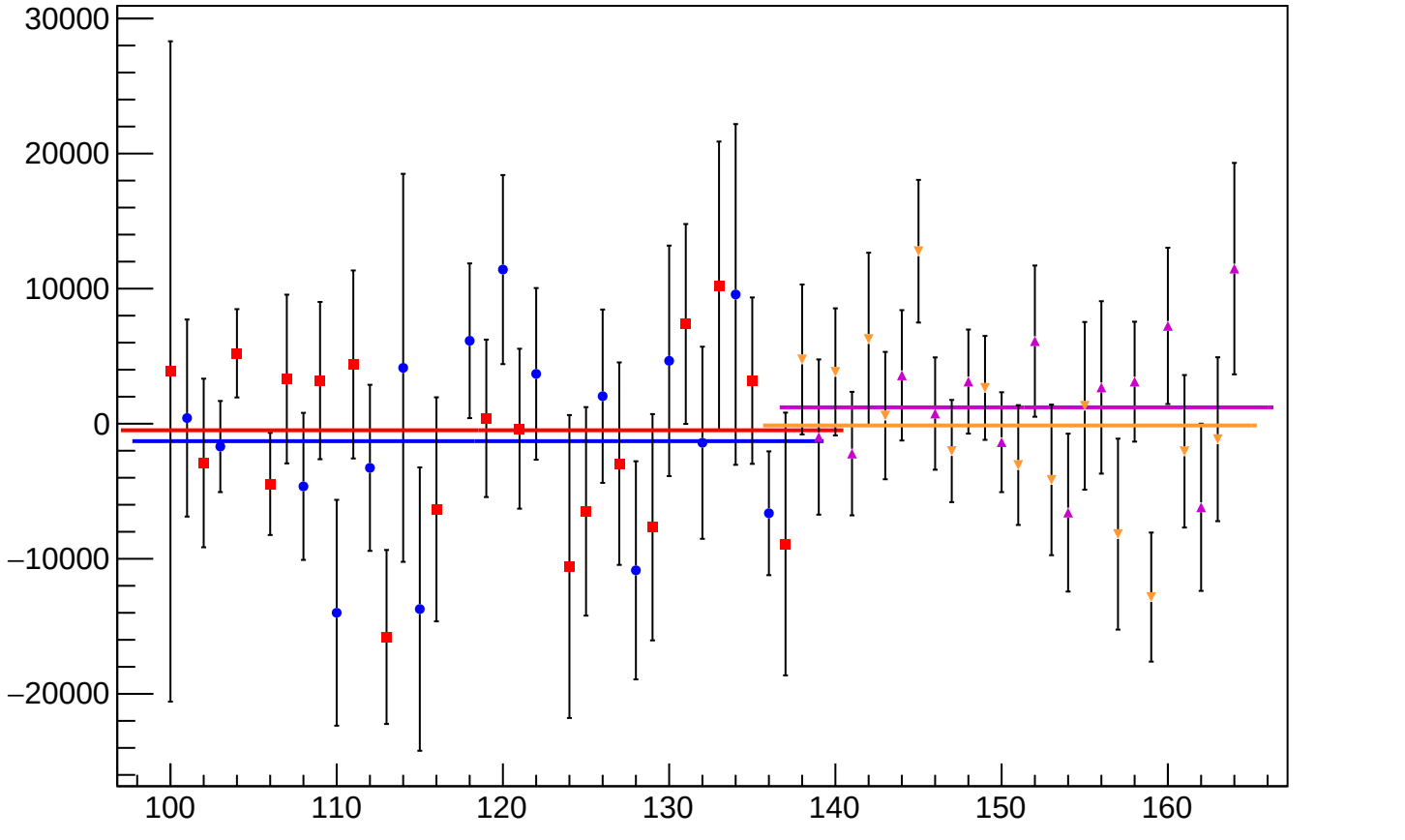
Left: 1852.076+/-0.278 χ^2/NDF: 33727.0/26

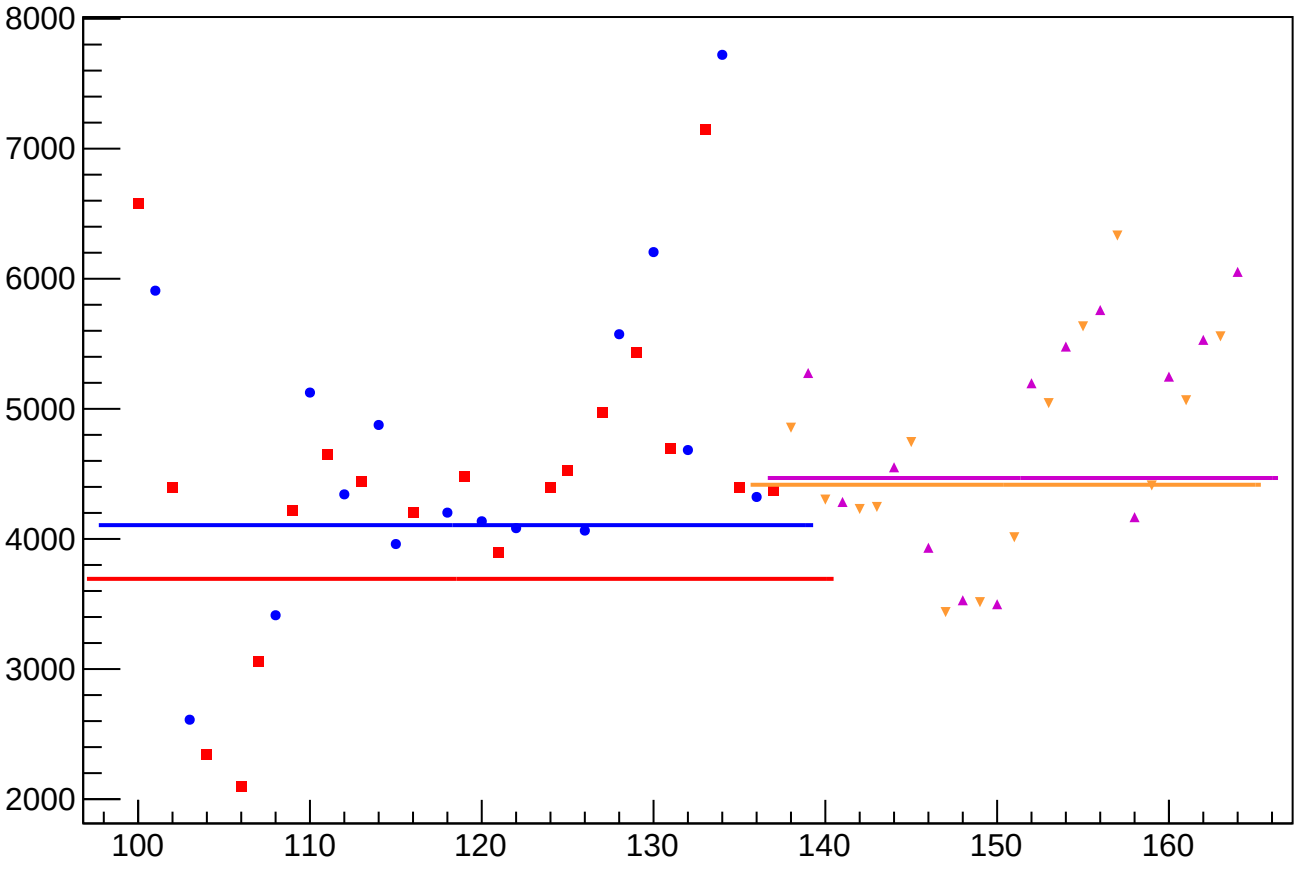
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1874.802+/-0.314 χ^2/NDF:723048.8/28

Out: 1870.668+/-0.309 χ^2/NDF:246049.4/32

All: 1872.702+/-0.220 χ^2/NDF: 969186.4/61


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1290.495+/-1585.432 χ²/NDF: 14.3/15
Left Out: -130.917+/-1346.291 χ²/NDF:18.8/13
Right Out: -485.214+/-1437.465 χ²/NDF: 17.2/18
Left In: 1212.275+/-1376.031 χ²/NDF:8.7/12
Left: 526.007+/-962.314 χ²/NDF: 28.0/26
Right: -848.531+/-1064.920 χ²/NDF: 31.6/34
In: 136.978+/-1039.206 χ²/NDF:24.4/28
Out: -296.474+/-982.624 χ²/NDF:36.1/32
All: -91.869+/-713.985 χ²/NDF: 60.5/61



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4416.551+/-0.952 χ^2/NDF:632463.6/13

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4468.460+/-0.973 χ^2/NDF:694805.7/12

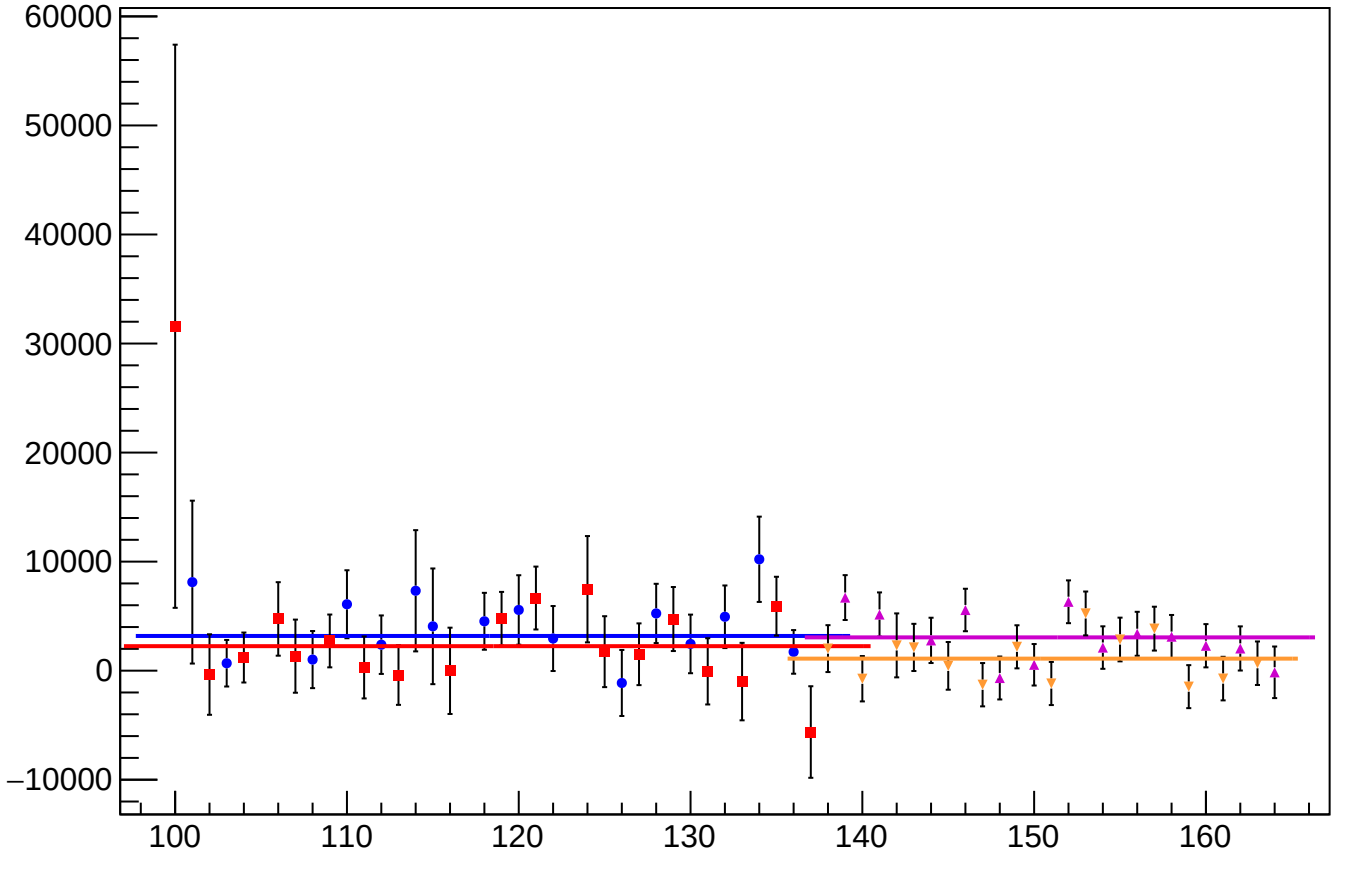
Left: 4441.939+/-0.680 χ^2/NDF: 1328723.5/26

Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4312.793+/-0.735 χ^2/NDF:1710511.1/28

Out: 4078.573+/-0.695 χ^2/NDF:2258850.4/32

All: 4189.133+/-0.505 χ^2/NDF: 4023000.2/61



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1104.057+/-554.316 χ^2/NDF:14.0/13

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3052.951+/-558.268 χ^2/NDF:16.5/12

Left: 2071.580+/-393.350 χ^2/NDF: 36.6/26

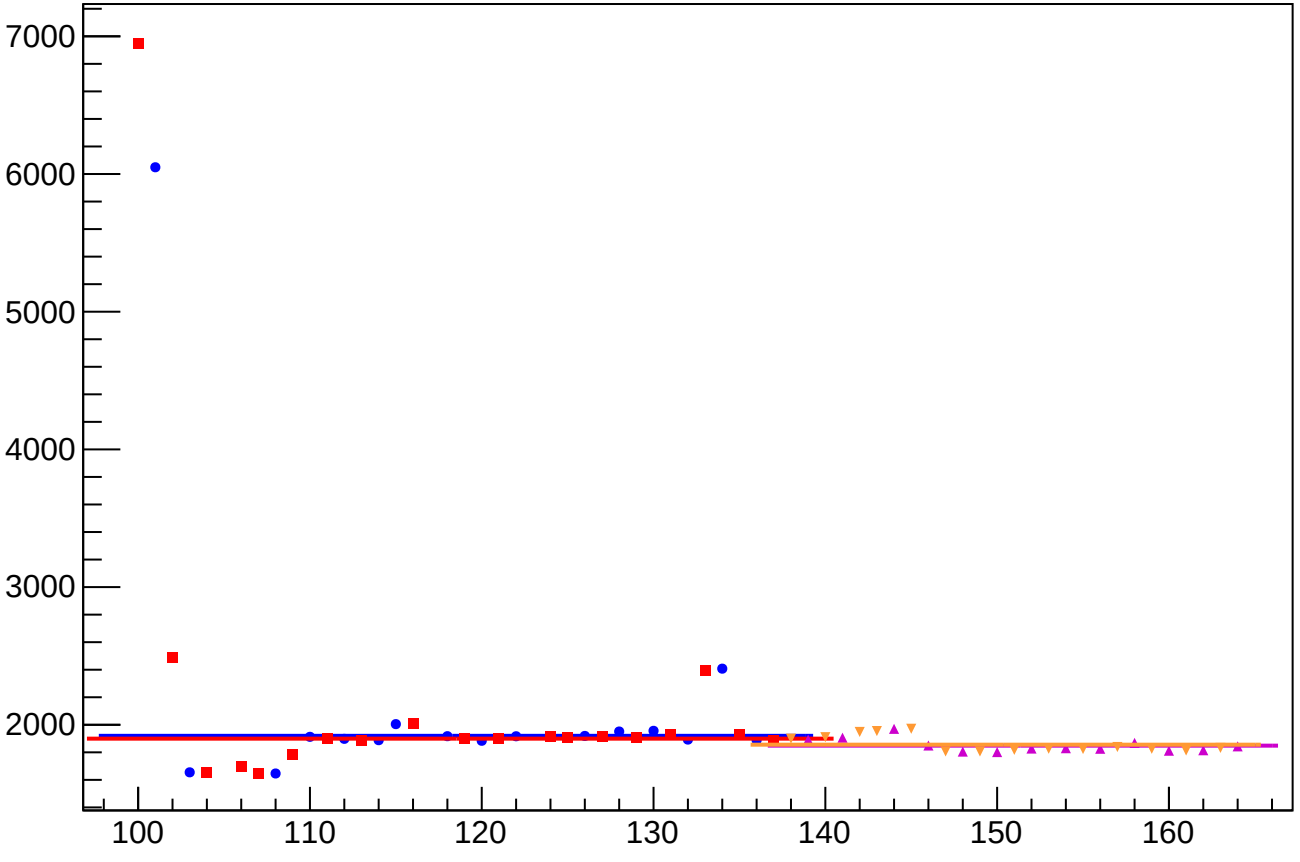
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3100.838+/-443.709 χ^2/NDF:28.2/28

Out: 1536.271+/-437.138 χ^2/NDF:32.1/32

All: 2306.885+/-311.401 χ^2/NDF: 66.6/61

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1855.551+/-0.392 χ^2/NDF:19858.3/13

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1848.551+/-0.395 χ^2/NDF:13710.4/12

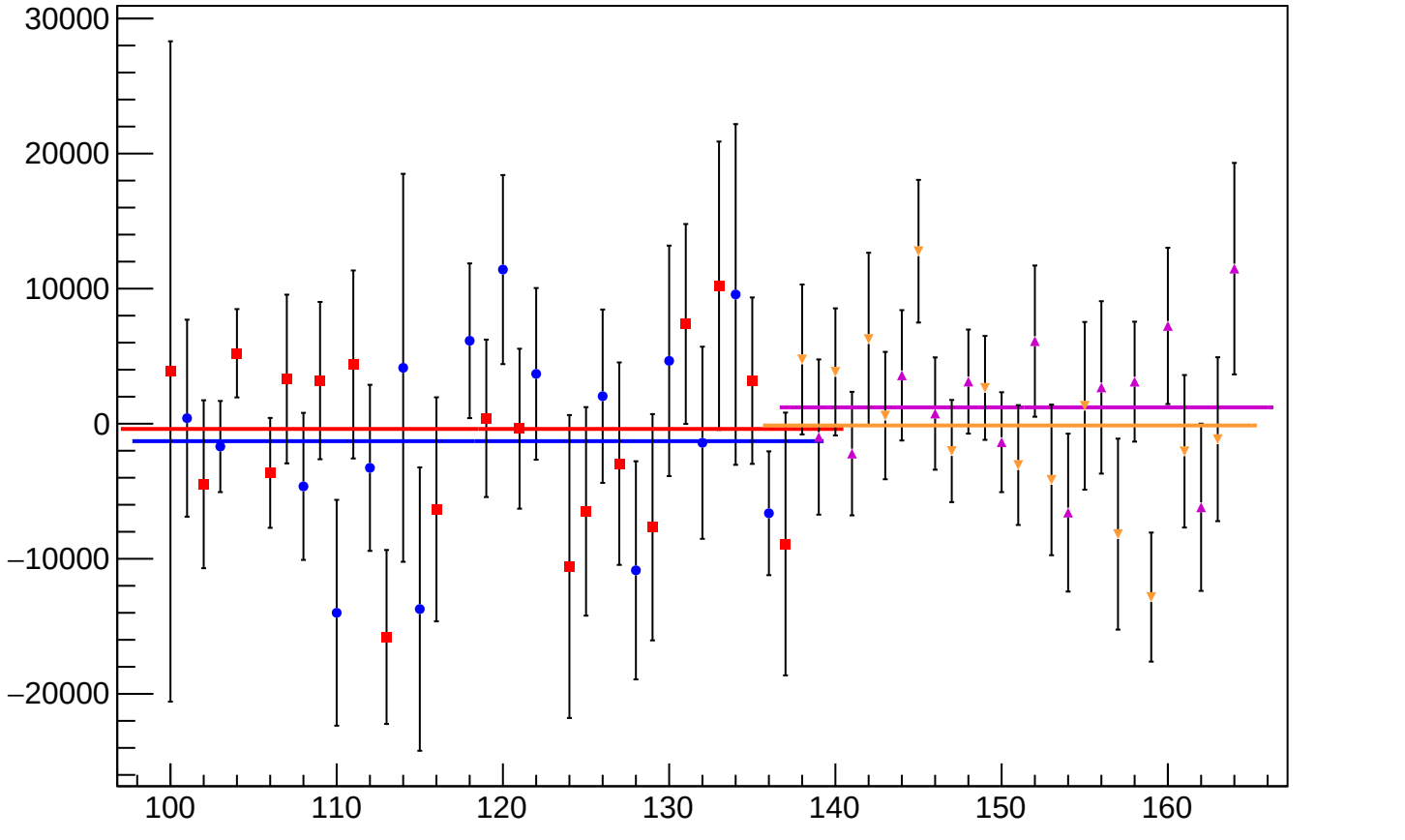
Left: 1852.076+/-0.278 χ^2/NDF: 33727.0/26

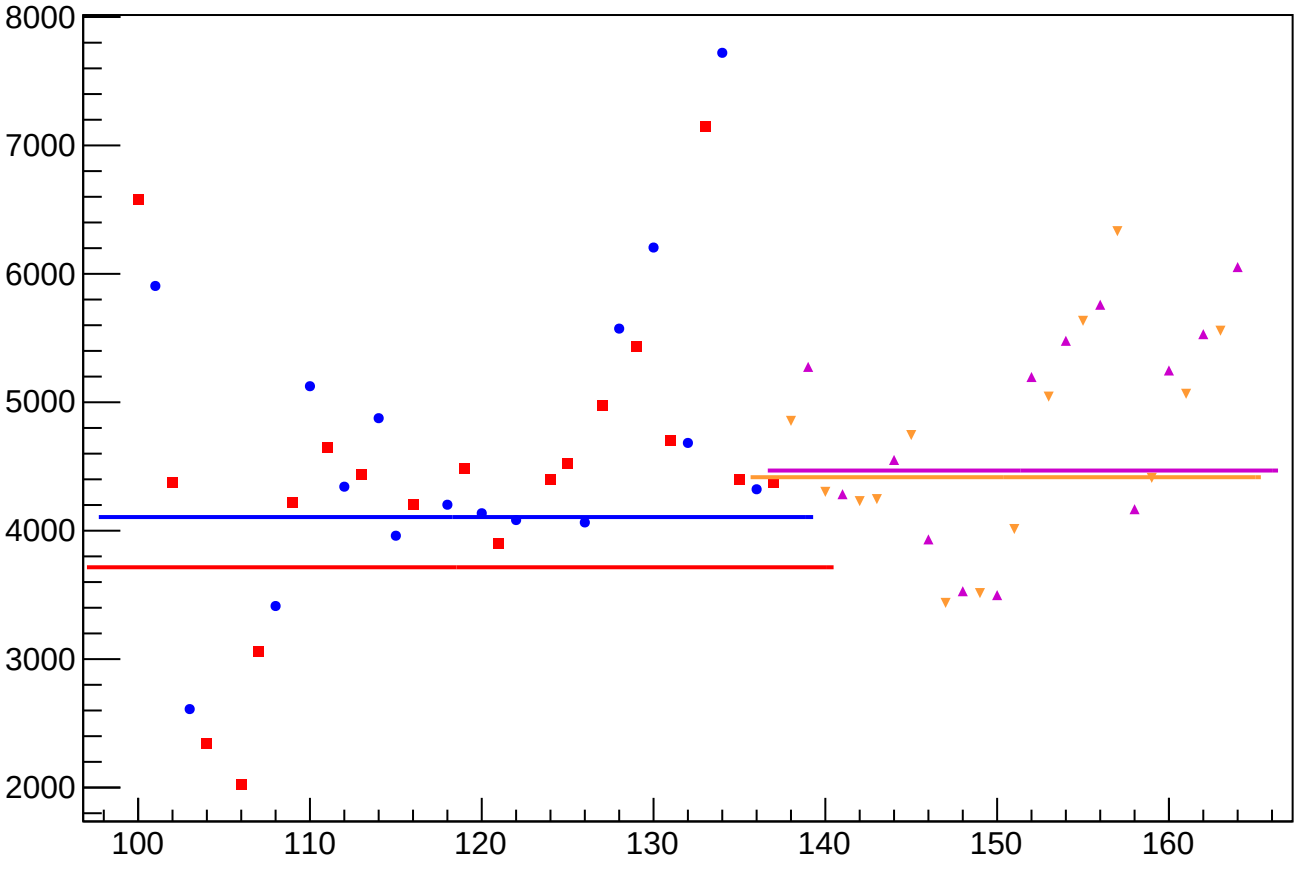
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1874.802+/-0.314 χ^2/NDF:723048.1/28

Out: 1872.149+/-0.309 χ^2/NDF:240245.7/32

All: 1873.455+/-0.220 χ^2/NDF: 963330.1/61


asym_atr_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: -130.928+/-1346.288 χ²/NDF:18.8/13
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 1212.317+/-1376.032 χ²/NDF:8.7/12
Left: 526.020+/-962.313 χ²/NDF: 28.0/26
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: 136.845+/-1039.207 χ²/NDF:24.4/28
Out: -249.635+/-987.080 χ²/NDF:35.8/32
All: -66.331+/-715.690 χ²/NDF: 60.3/61



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4416.541+/-0.952 χ^2/NDF:632480.6/13

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4468.465+/-0.973 χ^2/NDF:694799.6/12

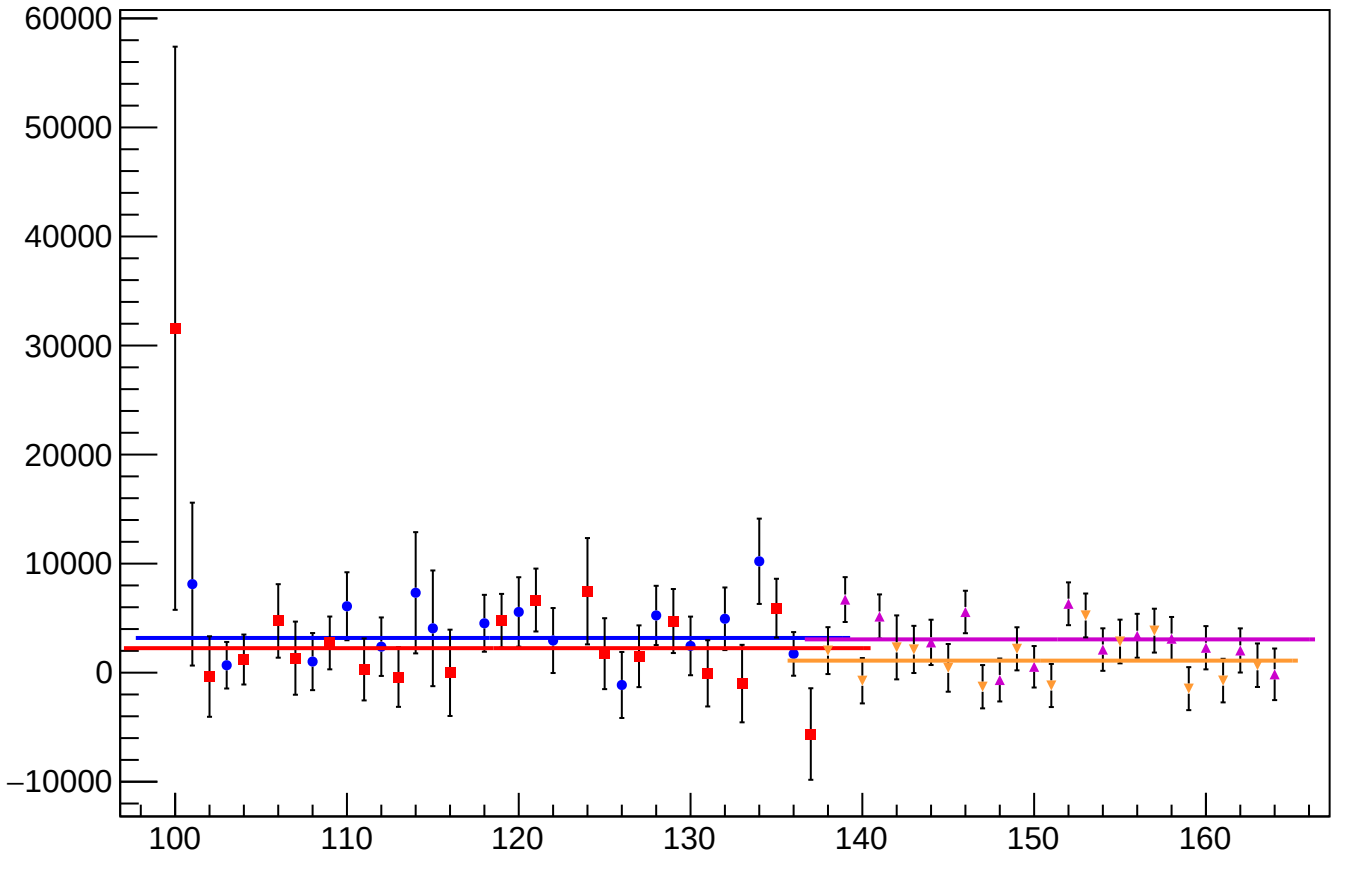
Left: 4441.935+/-0.680 χ^2/NDF: 1328735.3/26

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4312.835+/-0.735 χ^2/NDF:1709976.6/28

Out: 4092.216+/-0.698 χ^2/NDF:2218574.5/32

All: 4196.854+/-0.506 χ^2/NDF: 3975938.0/61



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1104.057+/-554.316 χ^2/NDF:14.0/13

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3052.951+/-558.268 χ^2/NDF:16.5/12

Left: 2071.580+/-393.350 χ^2/NDF: 36.6/26

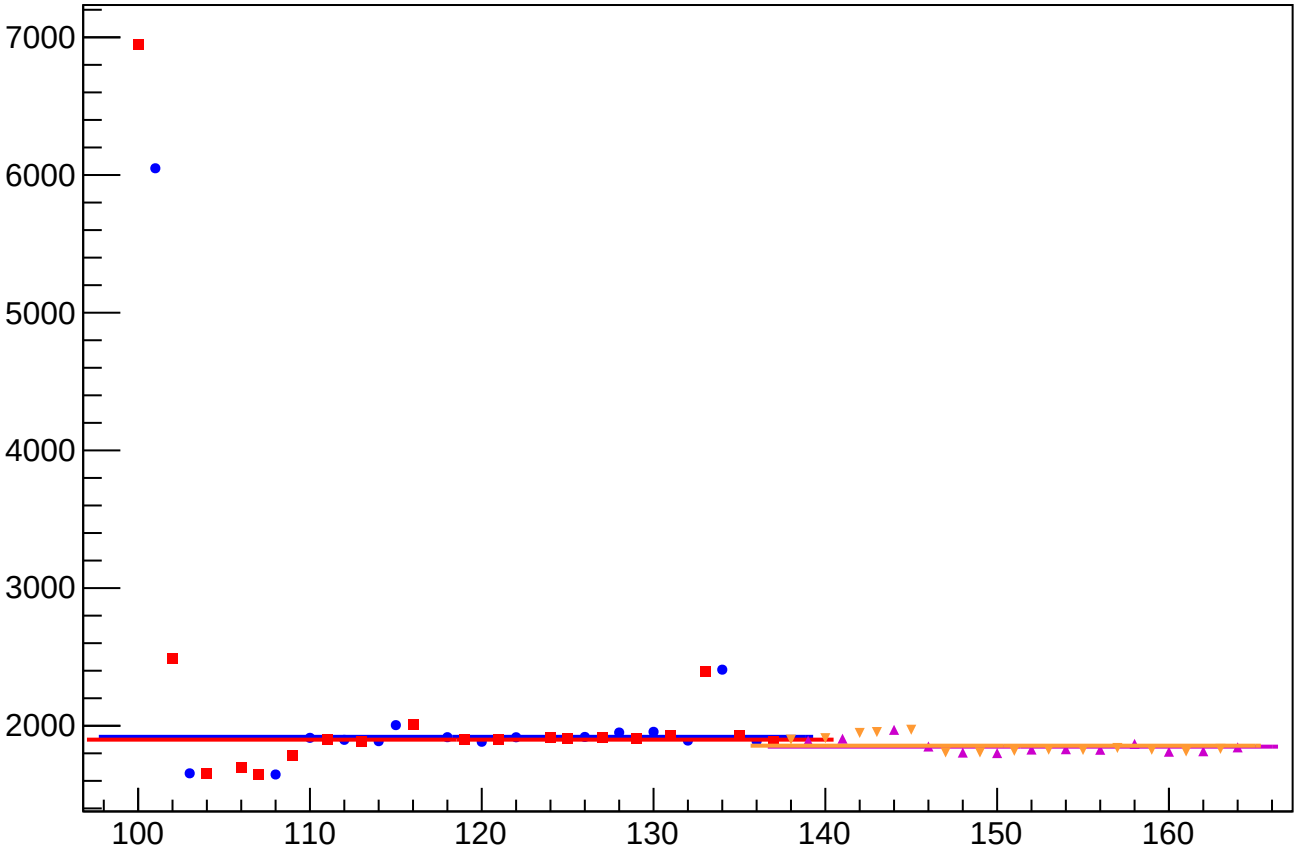
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3100.838+/-443.709 χ^2/NDF:28.2/28

Out: 1536.271+/-437.138 χ^2/NDF:32.1/32

All: 2306.885+/-311.401 χ^2/NDF: 66.6/61

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1855.551+/-0.392 χ^2/NDF:19858.3/13

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1848.551+/-0.395 χ^2/NDF:13710.4/12

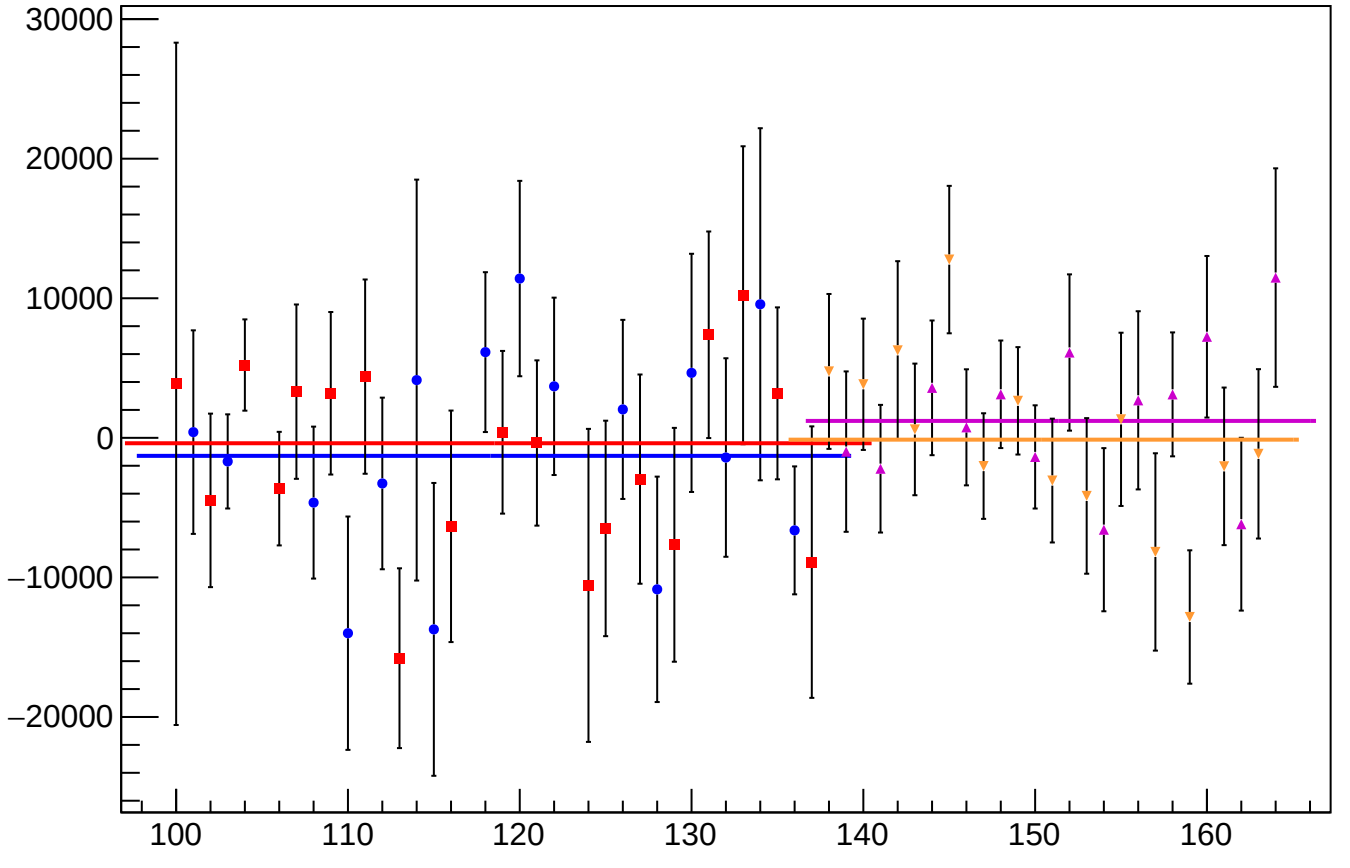
Left: 1852.076+/-0.278 χ^2/NDF: 33727.0/26

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1874.802+/-0.314 χ^2/NDF:723048.1/28

Out: 1872.149+/-0.309 χ^2/NDF:240245.7/32

All: 1873.455+/-0.220 χ^2/NDF: 963330.1/61



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -130.928+/-1346.288 χ^2/NDF:18.8/13

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1212.317+/-1376.032 χ^2/NDF:8.7/12

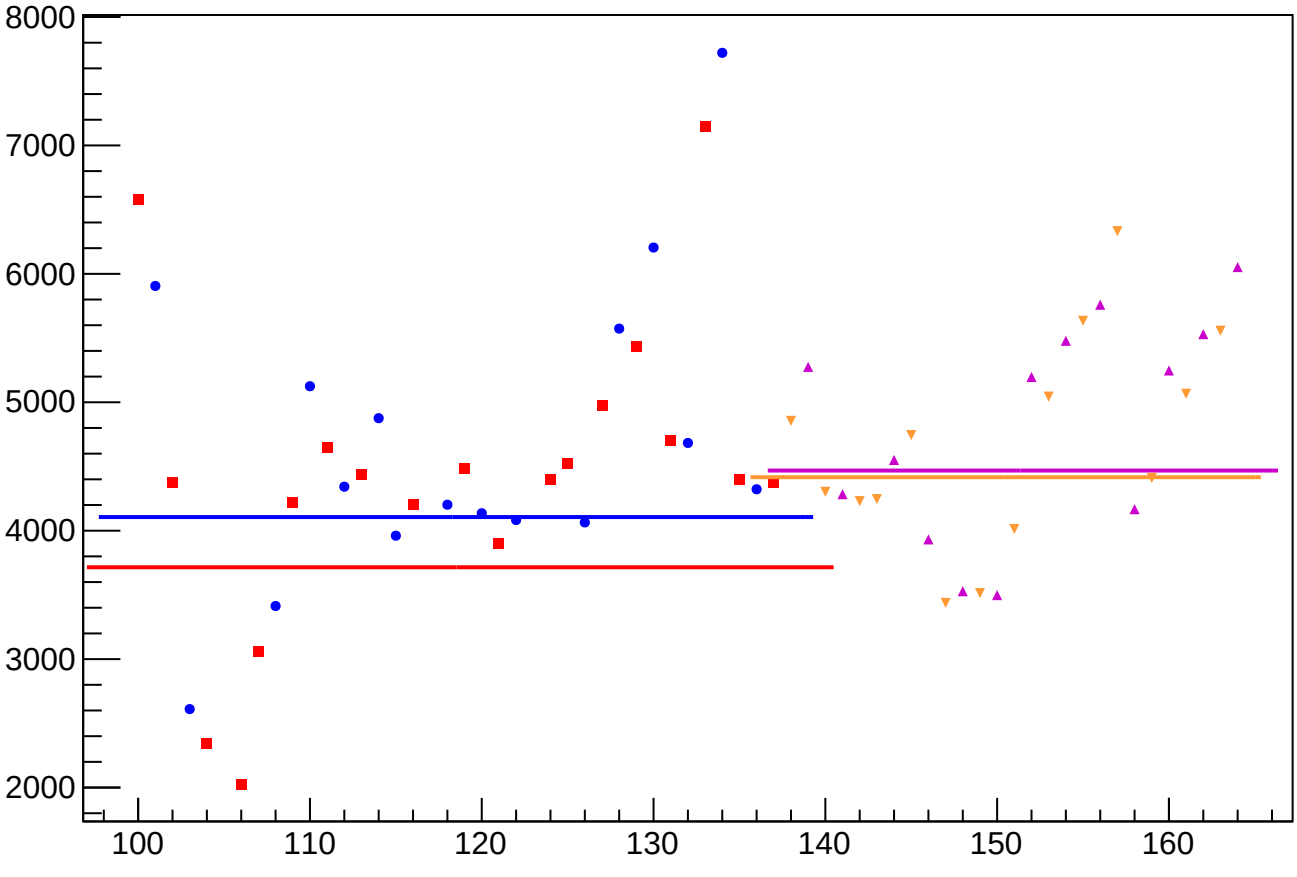
Left: 526.020+/-962.313 χ^2/NDF: 28.0/26

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: 136.845+/-1039.207 χ^2/NDF:24.4/28

Out: -249.635+/-987.080 χ^2/NDF:35.8/32

All: -66.331+/-715.690 χ^2/NDF: 60.3/61



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4416.541+/-0.952 χ^2/NDF:632480.6/13

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4468.465+/-0.973 χ^2/NDF:694799.6/12

Left: 4441.935+/-0.680 χ^2/NDF: 1328735.3/26

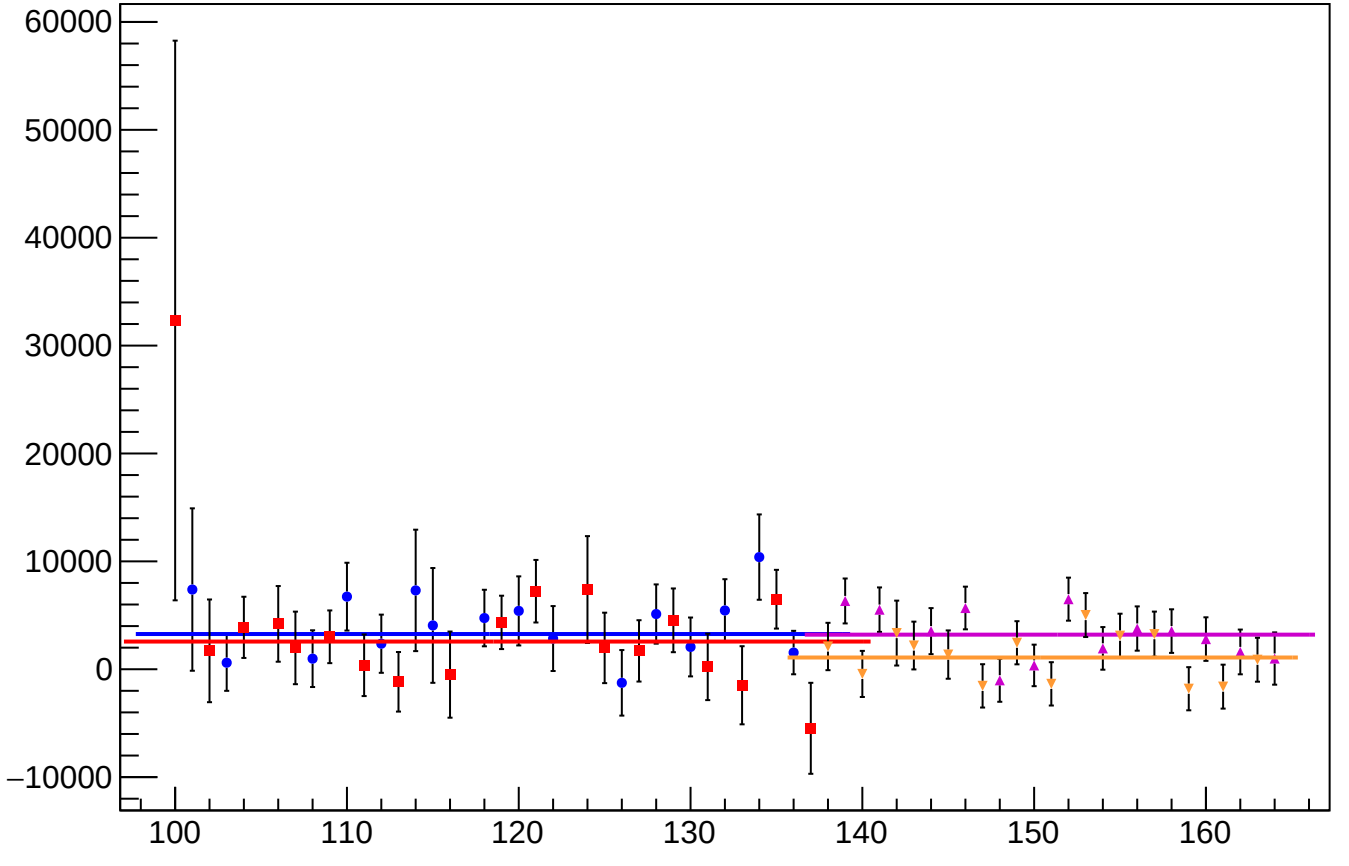
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4312.835+/-0.735 χ^2/NDF:1709976.6/28

Out: 4092.216+/-0.698 χ^2/NDF:2218574.5/32

All: 4196.854+/-0.506 χ^2/NDF: 3975938.0/61

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1087.564+/-565.273 χ^2/NDF:14.9/13

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3206.400+/-567.890 χ^2/NDF:16.5/12

Left: 2142.088+/-400.631 χ^2/NDF: 38.4/26

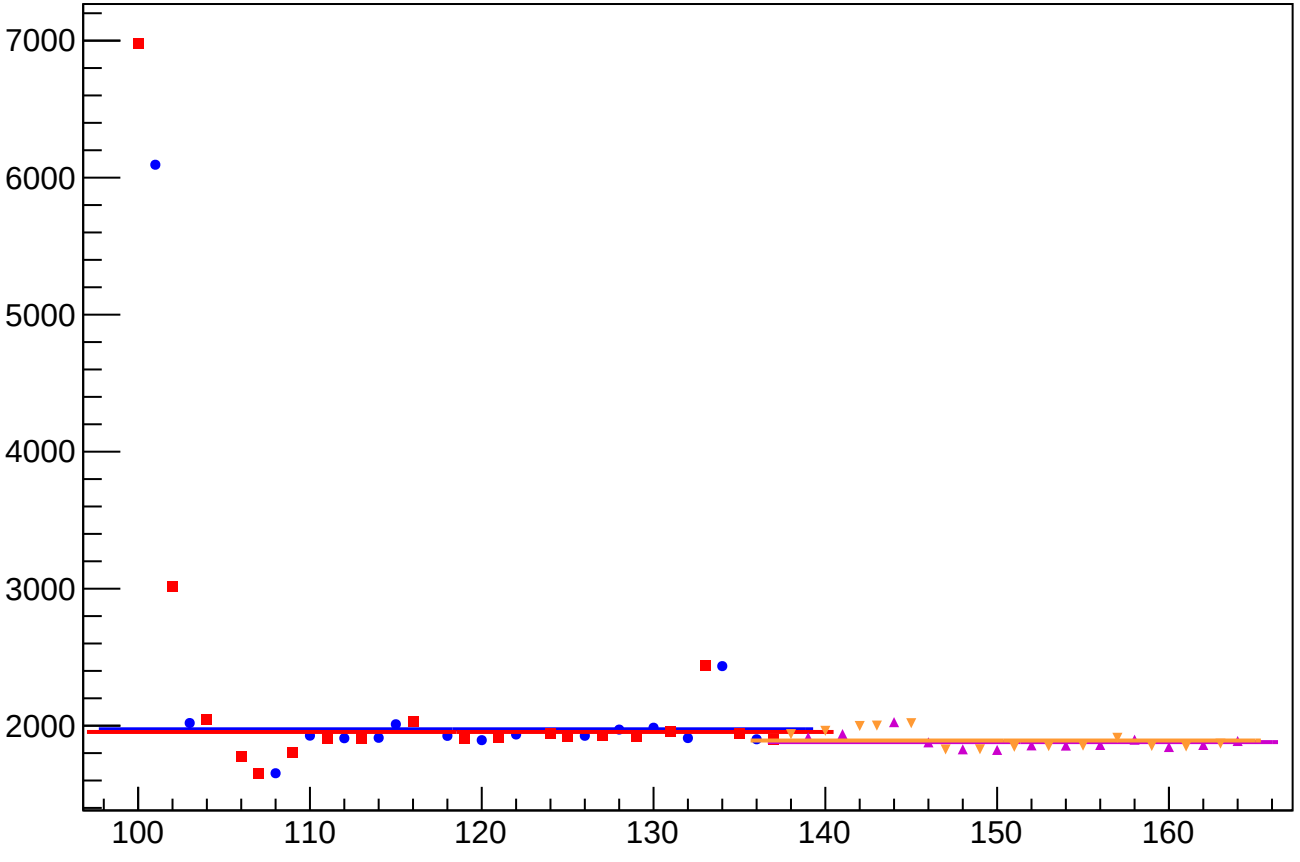
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3227.592+/-452.936 χ^2/NDF:28.7/28

Out: 1637.403+/-448.054 χ^2/NDF:34.4/32

All: 2423.881+/-318.534 χ^2/NDF: 69.3/61

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1891.912+/-0.400 χ^2/NDF:25586.7/13

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1880.241+/-0.402 χ^2/NDF:16473.7/12

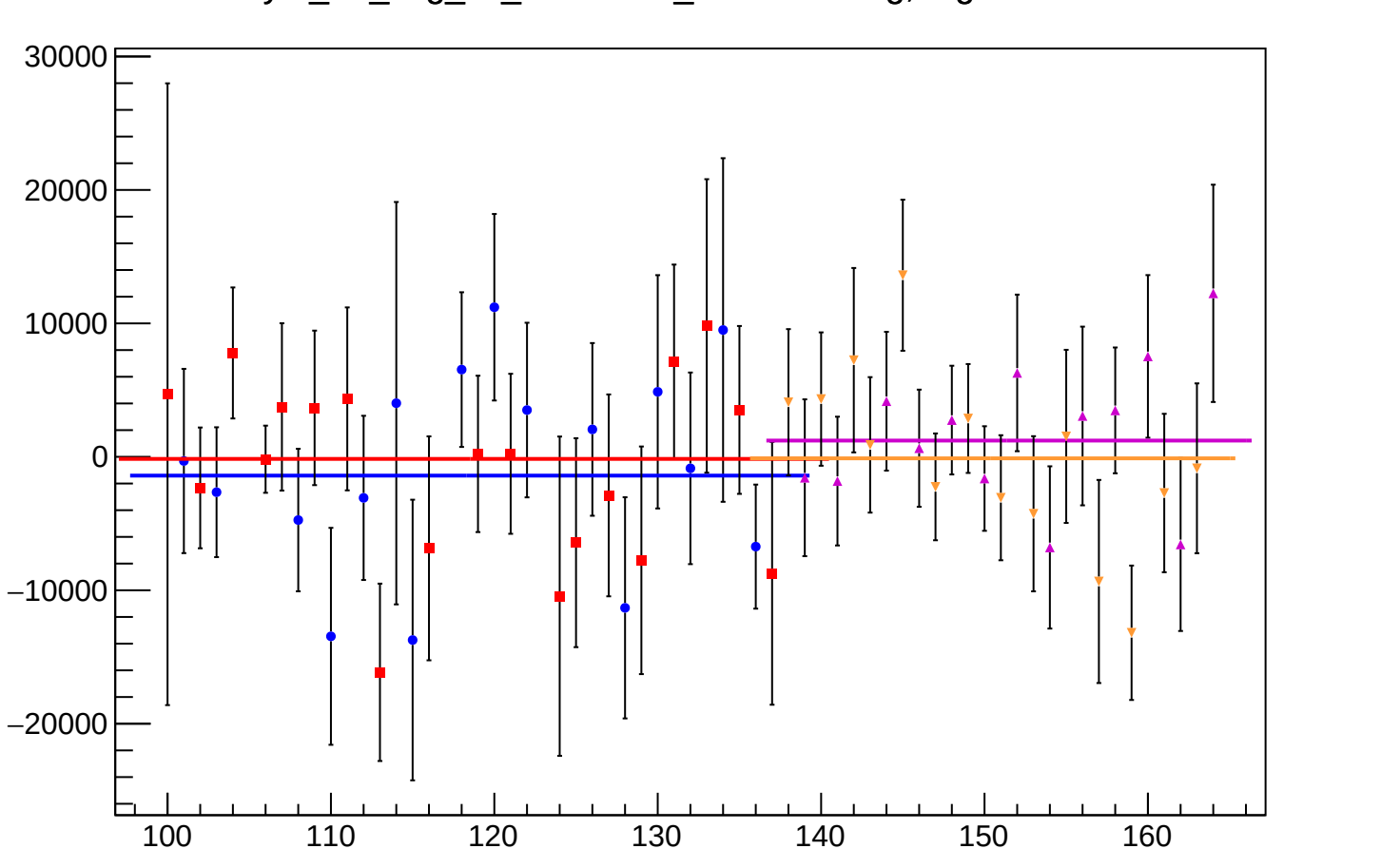
Left: 1886.103+/-0.283 χ^2/NDF: 42484.6/26

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1914.266+/-0.320 χ^2/NDF:701328.4/28

Out: 1915.144+/-0.317 χ^2/NDF:280875.6/32

All: 1914.710+/-0.225 χ^2/NDF: 982207.8/61



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: -113.914+/-1420.620 χ^2/NDF:18.6/13

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 1218.311+/-1450.353 χ^2/NDF:8.8/12

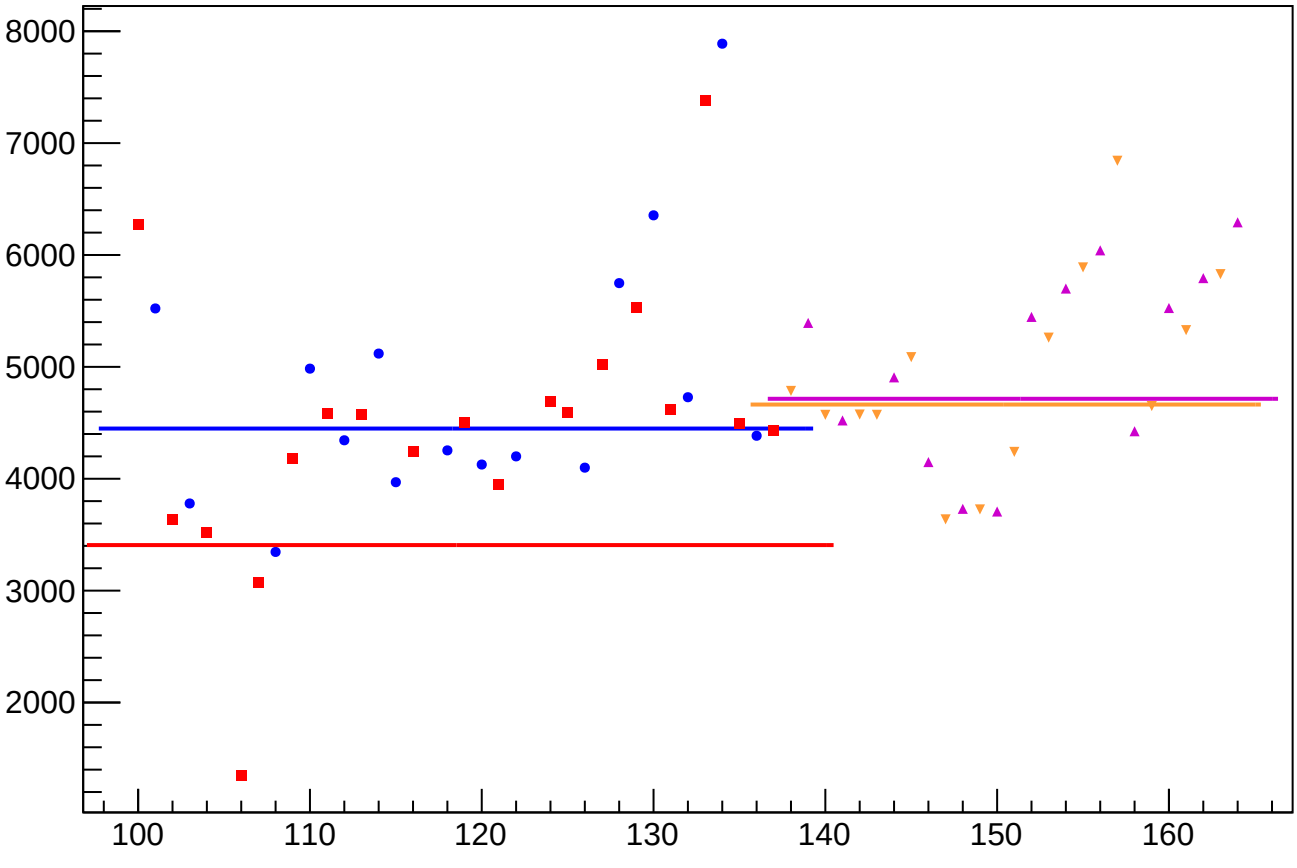
Left: 538.403+/-1014.879 χ^2/NDF: 27.8/26

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: 104.668+/-1100.613 χ^2/NDF:24.4/28

Out: -135.439+/-983.767 χ^2/NDF:34.5/32

All: -28.803+/-733.472 χ^2/NDF: 58.9/61



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4663.328+/-1.005 χ^2/NDF:616063.3/13

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4714.660+/-1.026 χ^2/NDF:650187.4/12

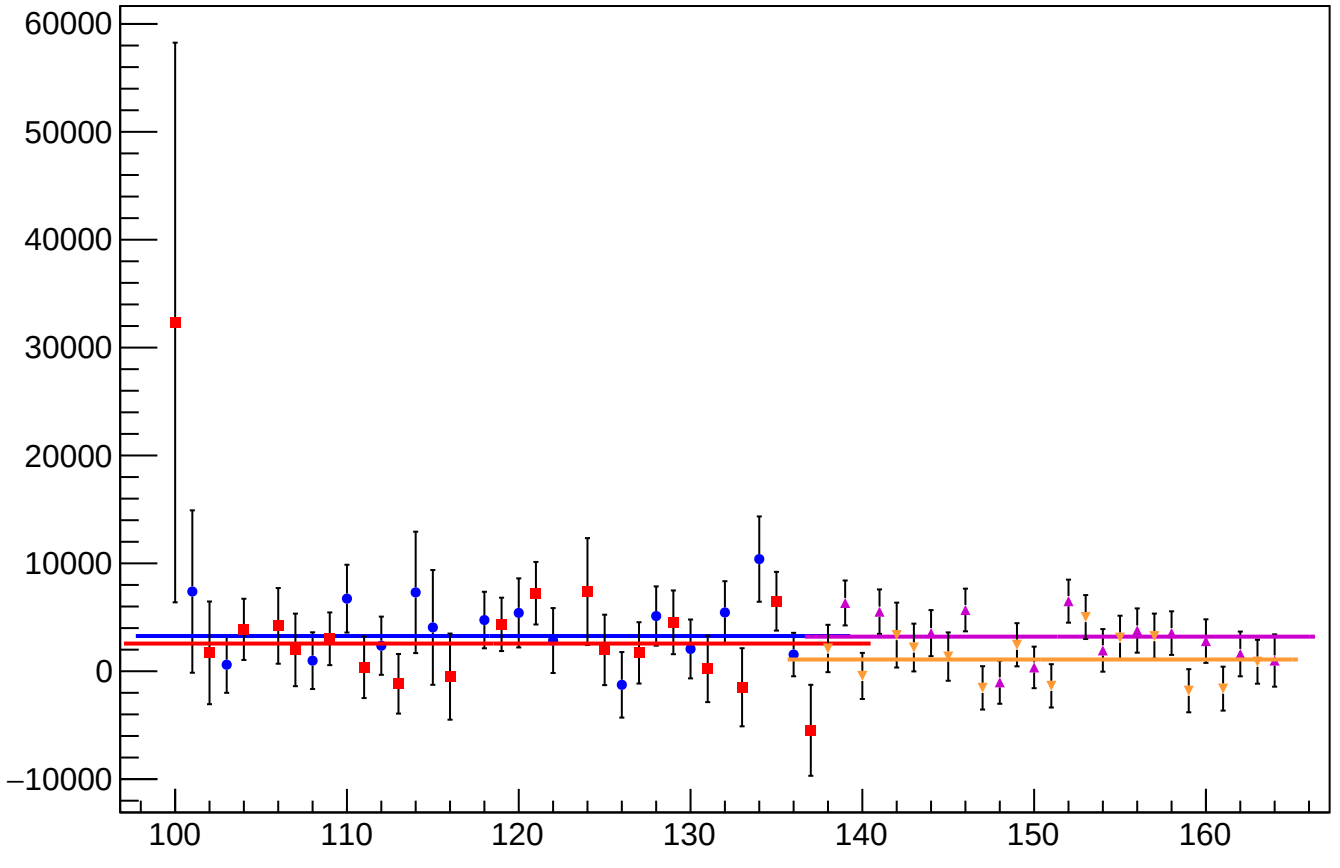
Left: 4688.462+/-0.718 χ^2/NDF: 1267529.3/26

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4601.862+/-0.778 χ^2/NDF:1173323.1/28

Out: 4009.531+/-0.696 χ^2/NDF:3756031.9/32

All: 4272.596+/-0.519 χ^2/NDF: 5251367.1/61



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1087.554+/-565.273 χ^2/NDF:14.9/13

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3206.403+/-567.891 χ^2/NDF:16.5/12

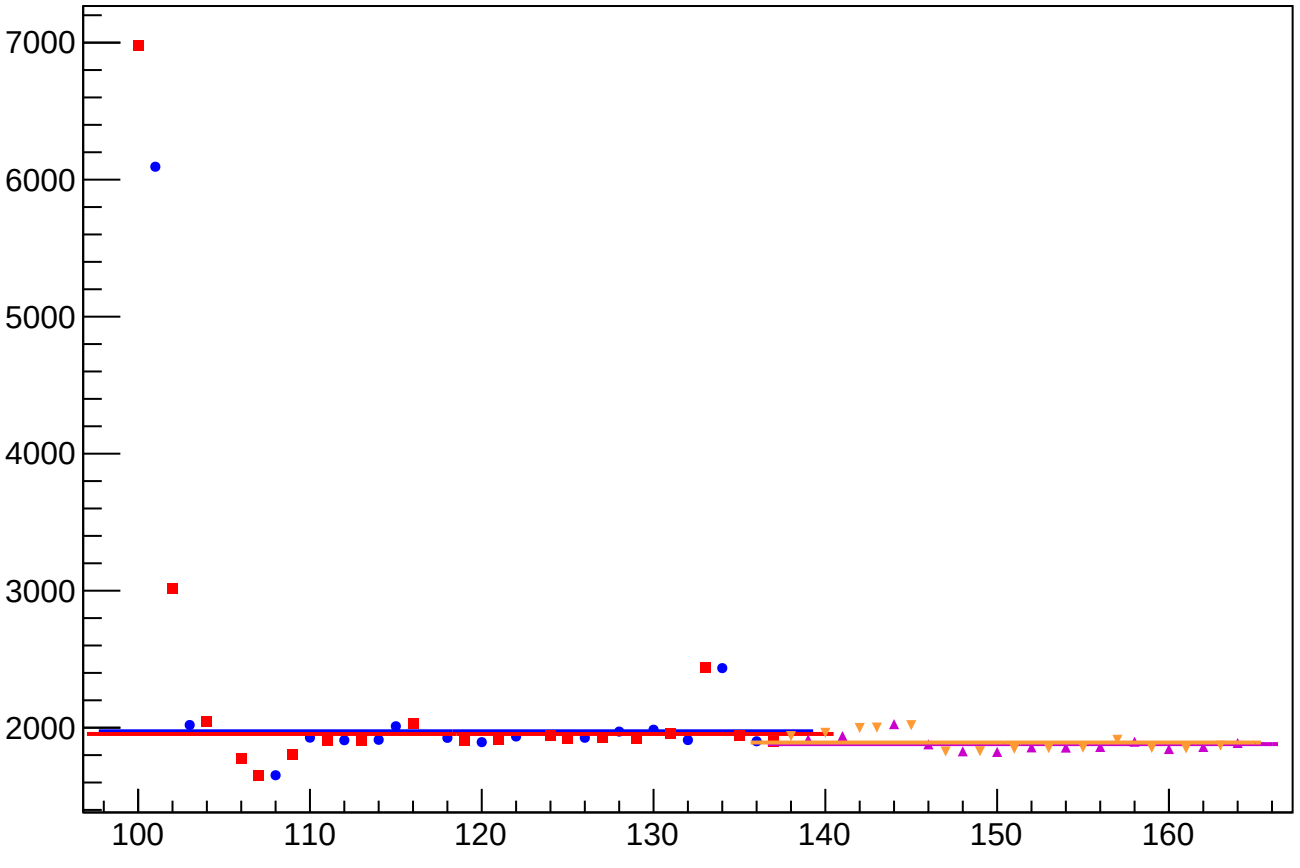
Left: 2142.084+/-400.631 χ^2/NDF: 38.4/26

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3227.595+/-452.936 χ^2/NDF:28.7/28

Out: 1637.399+/-448.054 χ^2/NDF:34.4/32

All: 2423.881+/-318.534 χ^2/NDF: 69.3/61



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1891.913+/-0.400 χ^2/NDF:25586.7/13

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1880.242+/-0.402 χ^2/NDF:16473.6/12

Left: 1886.104+/-0.283 χ^2/NDF: 42484.6/26

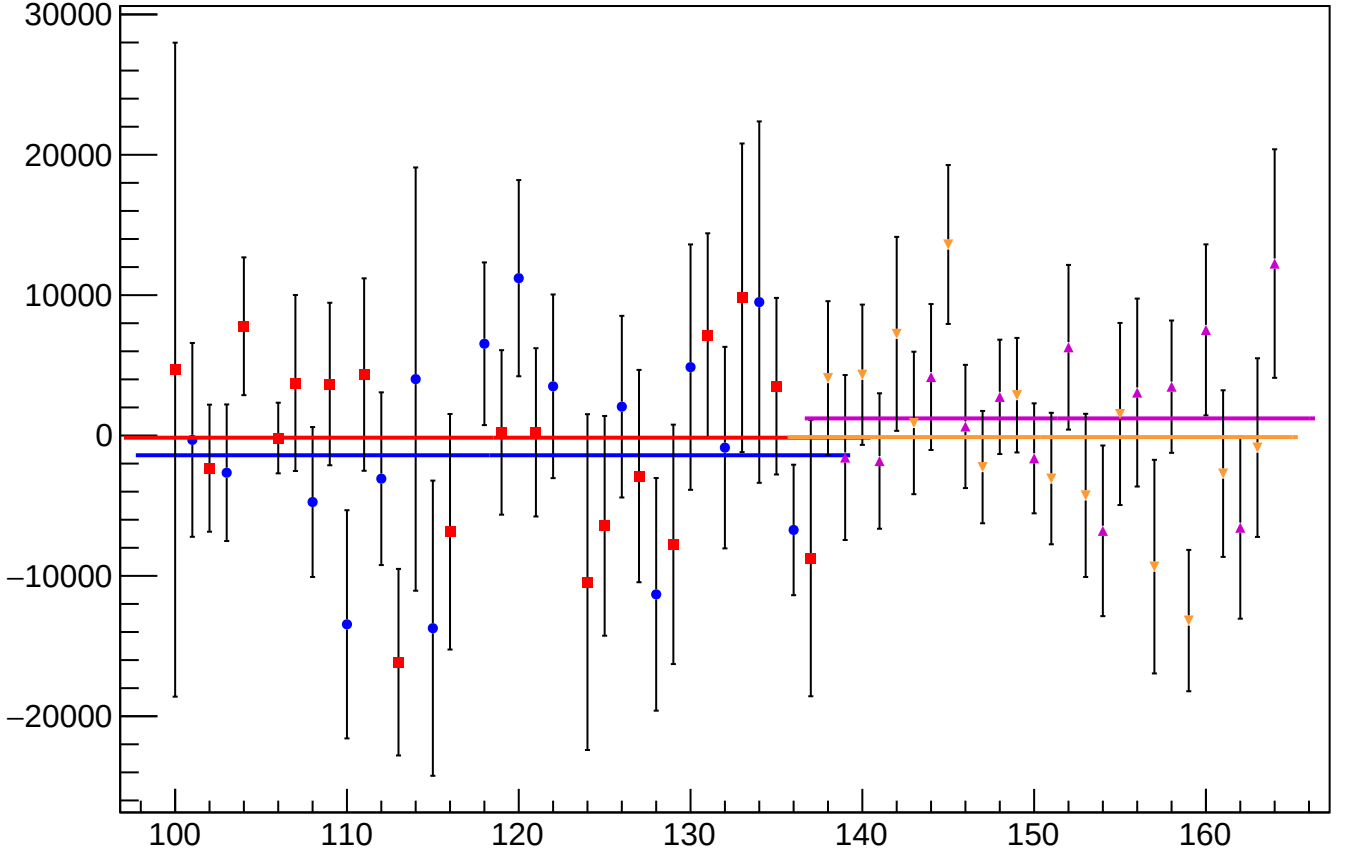
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1914.266+/-0.320 χ^2/NDF:701327.9/28

Out: 1915.144+/-0.317 χ^2/NDF:280874.7/32

All: 1914.710+/-0.225 χ^2/NDF: 982206.4/61

asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: -113.920+/-1420.622 χ^2/NDF:18.6/13

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 1218.309+/-1450.355 χ^2/NDF:8.8/12

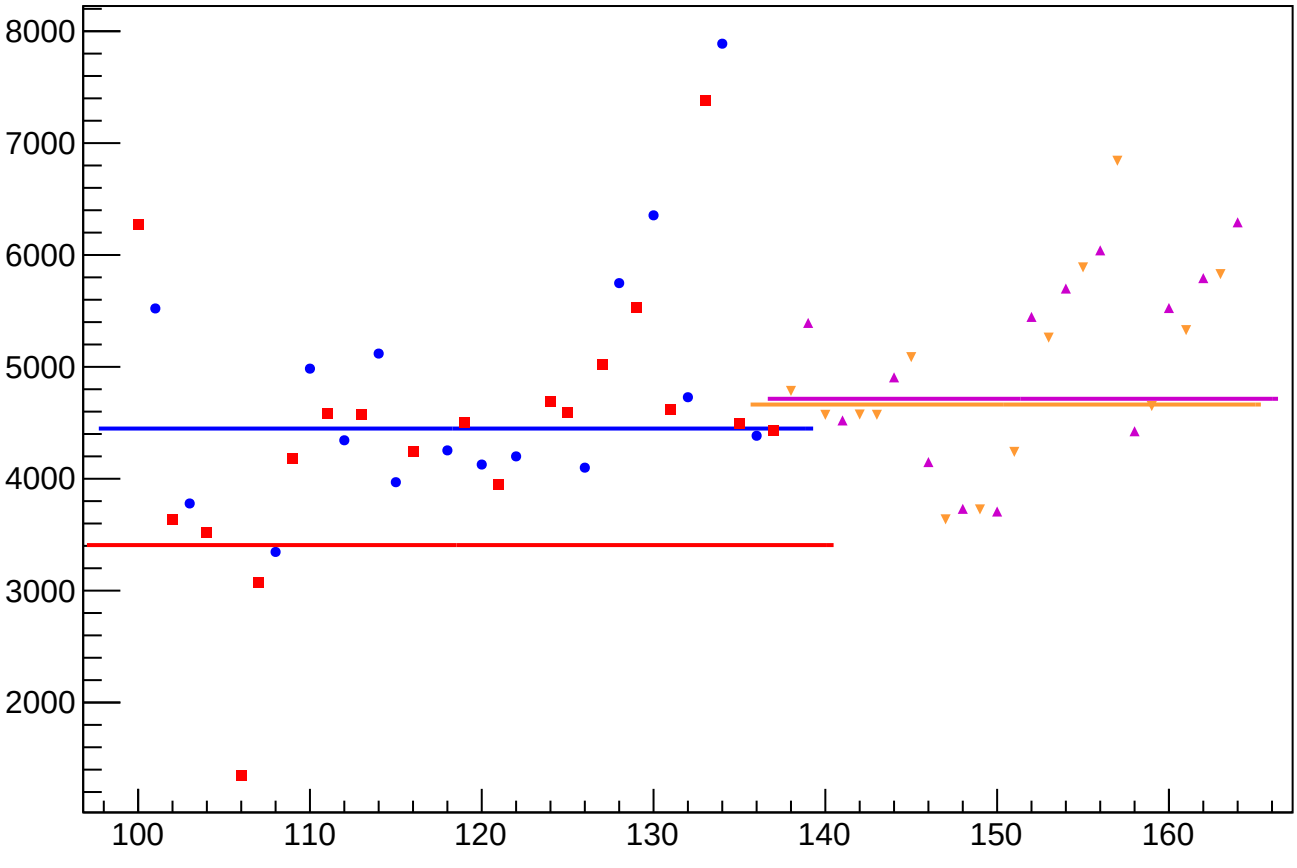
Left: 538.399+/-1014.880 χ^2/NDF: 27.8/26

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: 104.671+/-1100.614 χ^2/NDF:24.4/28

Out: -135.442+/-983.767 χ^2/NDF:34.5/32

All: -28.804+/-733.472 χ^2/NDF: 58.9/61



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4663.335+/-1.005 χ^2/NDF:616063.2/13

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4714.667+/-1.026 χ^2/NDF:650186.7/12

Left: 4688.469+/-0.718 χ^2/NDF: 1267528.5/26

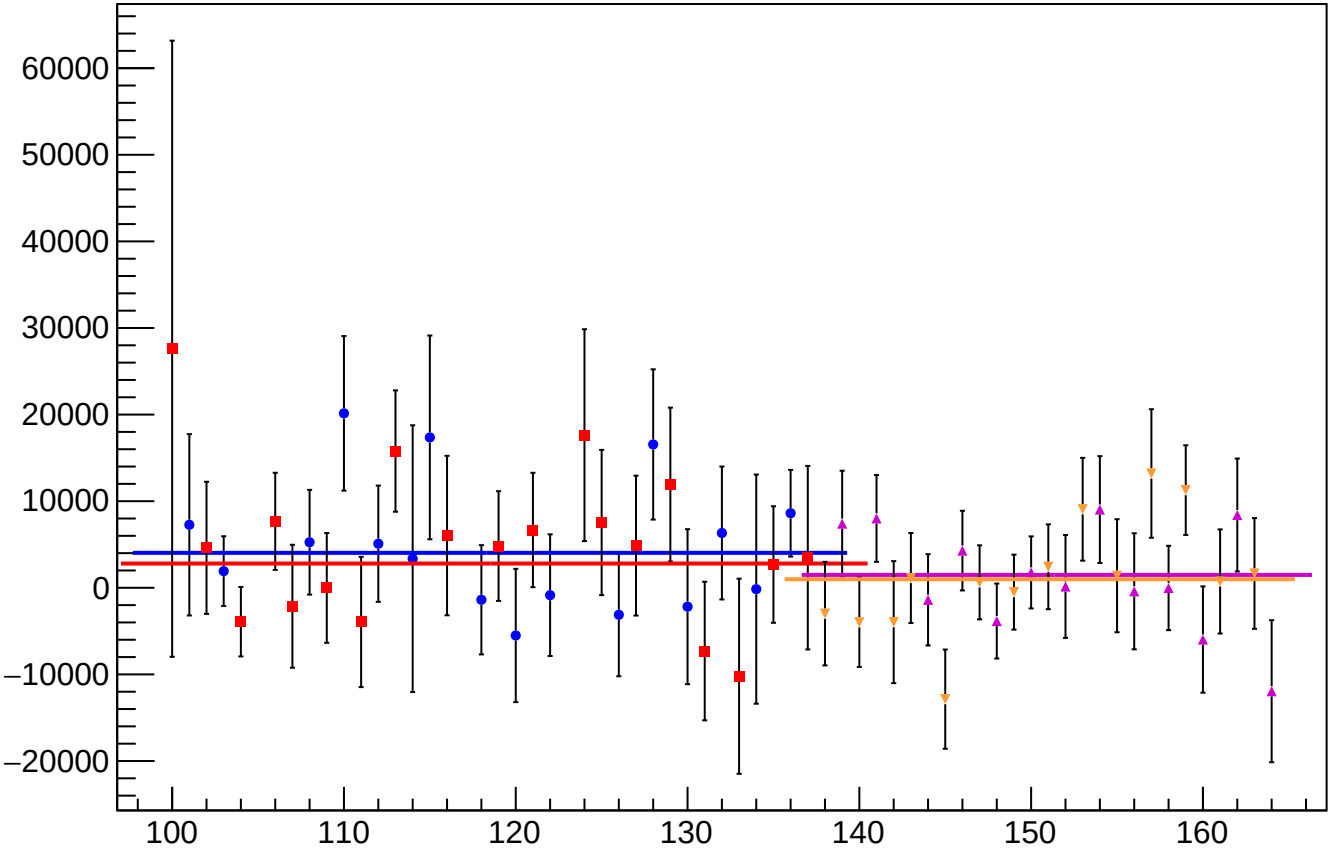
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4601.863+/-0.778 χ^2/NDF:1173322.6/28

Out: 4009.528+/-0.696 χ^2/NDF:3756055.6/32

All: 4272.594+/-0.519 χ^2/NDF: 5251394.5/61

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 987.757+/-1470.493 χ^2/NDF:16.5/13

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 1486.634+/-1499.130 χ^2/NDF:11.8/12

Left: 1232.385+/-1049.774 χ^2/NDF: 28.3/26

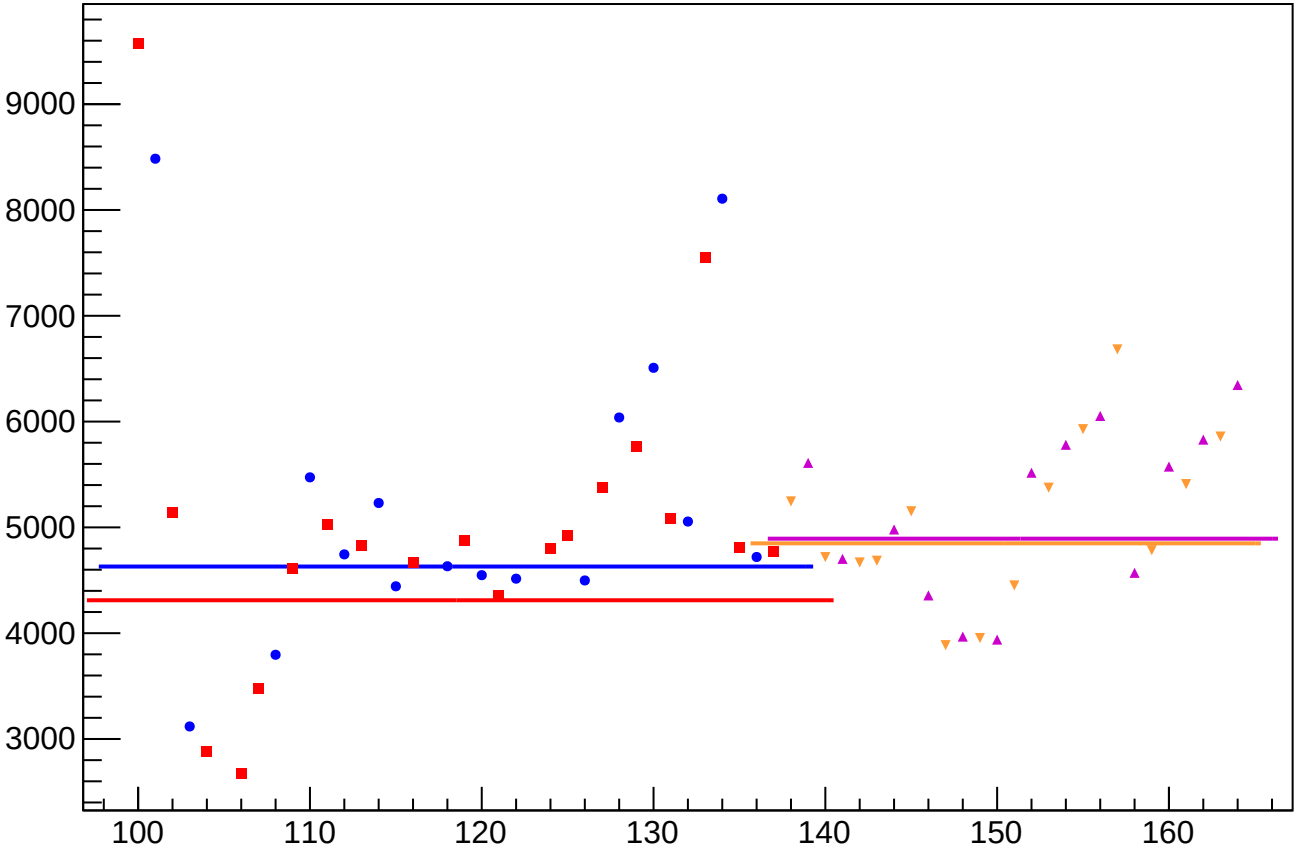
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2542.542+/-1147.185 χ^2/NDF:25.4/28

Out: 1778.452+/-1104.167 χ^2/NDF:32.5/32

All: 2145.902+/-795.538 χ^2/NDF: 58.2/61

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4849.123+/-1.040 χ^2/NDF:478899.2/13

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4893.204+/-1.060 χ^2/NDF:515389.1/12

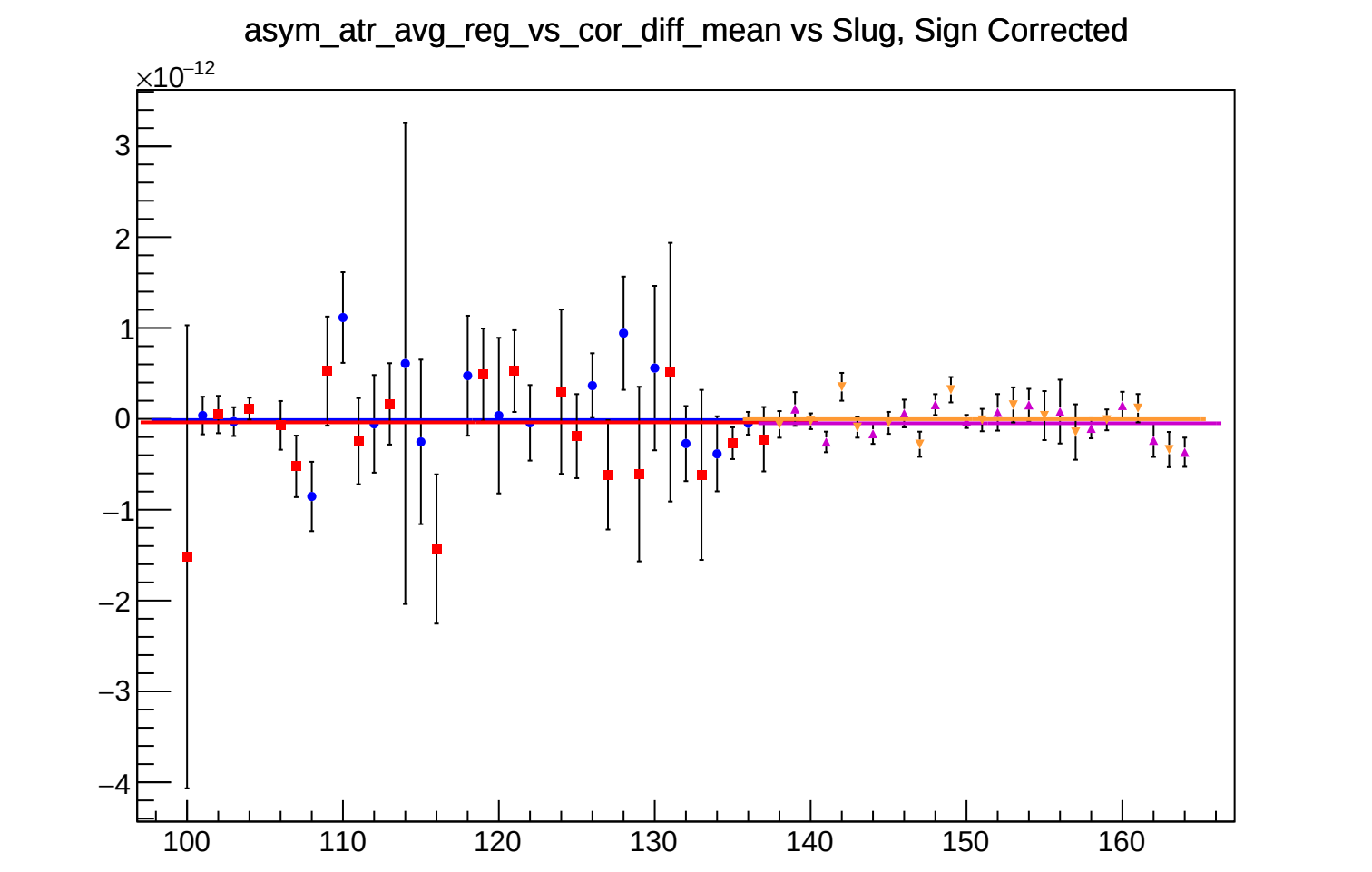
Left: 4870.739+/-0.742 χ^2/NDF: 995169.6/26

Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4784.115+/-0.811 χ^2/NDF:1441190.9/28

Out: 4612.200+/-0.778 χ^2/NDF:1501509.7/32

All: 4694.547+/-0.561 χ^2/NDF: 2966101.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.6/12

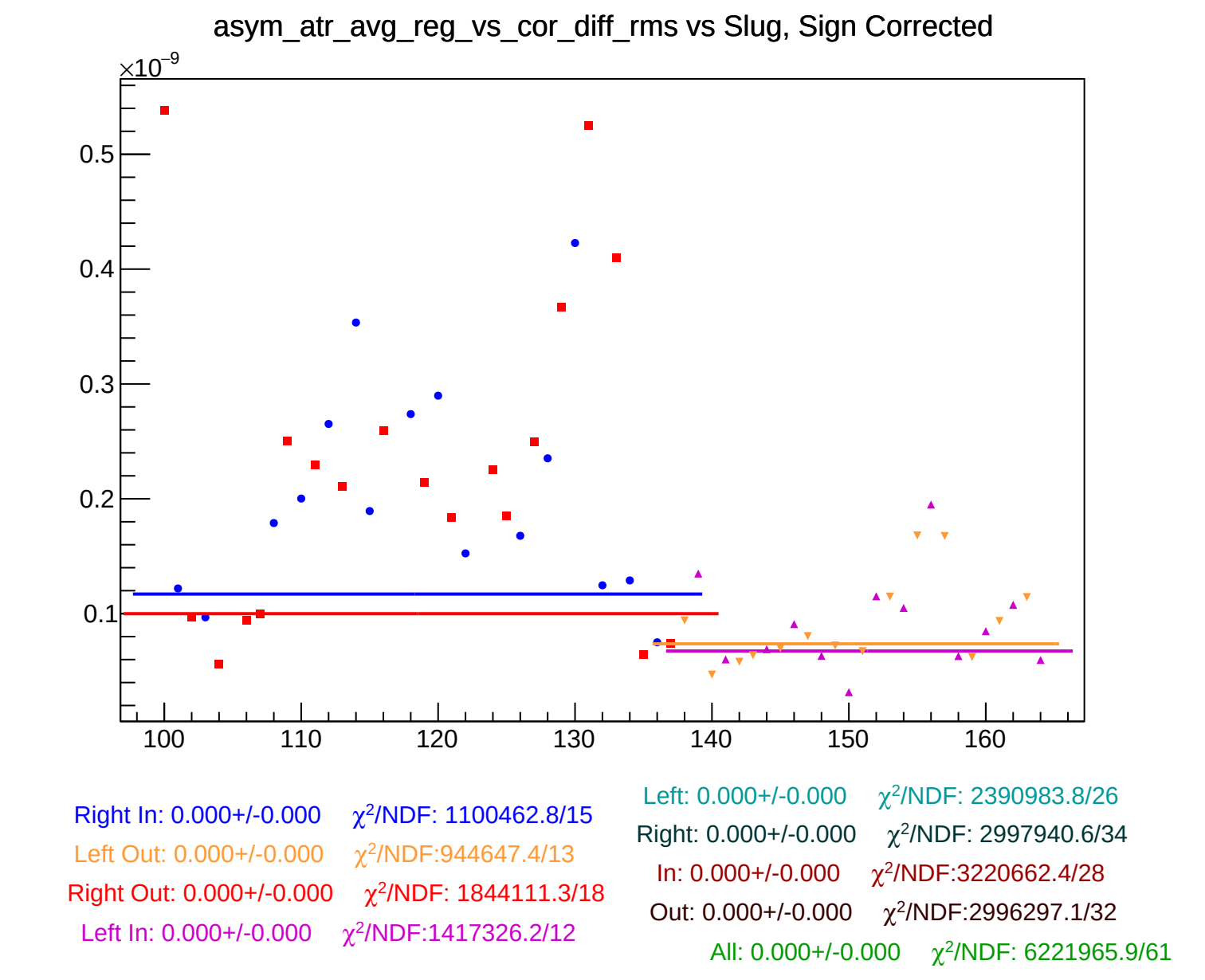
Left: -0.000+/-0.000 χ^2/NDF: 38.5/26

Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:33.6/28

Out: -0.000+/-0.000 χ^2/NDF:35.4/32

All: -0.000+/-0.000 χ^2/NDF: 69.5/61


asym_atr_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
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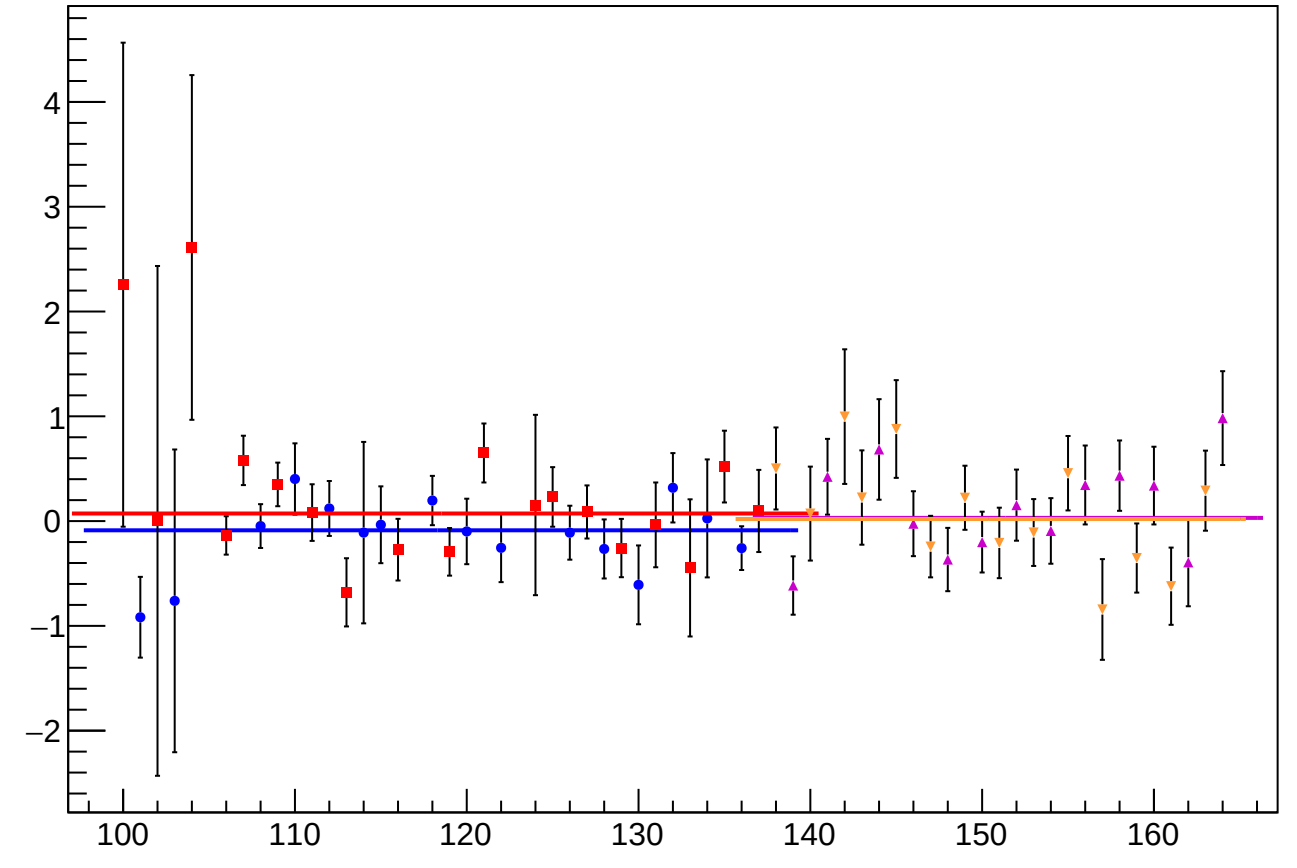
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:944647.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:1417326.2/12
Left: 0.000+/-0.000 χ²/NDF: 2390983.8/26
Right: 0.000+/-0.000 χ²/NDF: 2997940.6/34
In: 0.000+/-0.000 χ²/NDF:3220662.4/28
Out: 0.000+/-0.000 χ²/NDF:2996297.1/32
All: 0.000+/-0.000 χ²/NDF: 6221965.9/61



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.020+/-0.100 χ^2/NDF:18.9/13

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.031+/-0.095 χ^2/NDF:19.5/12

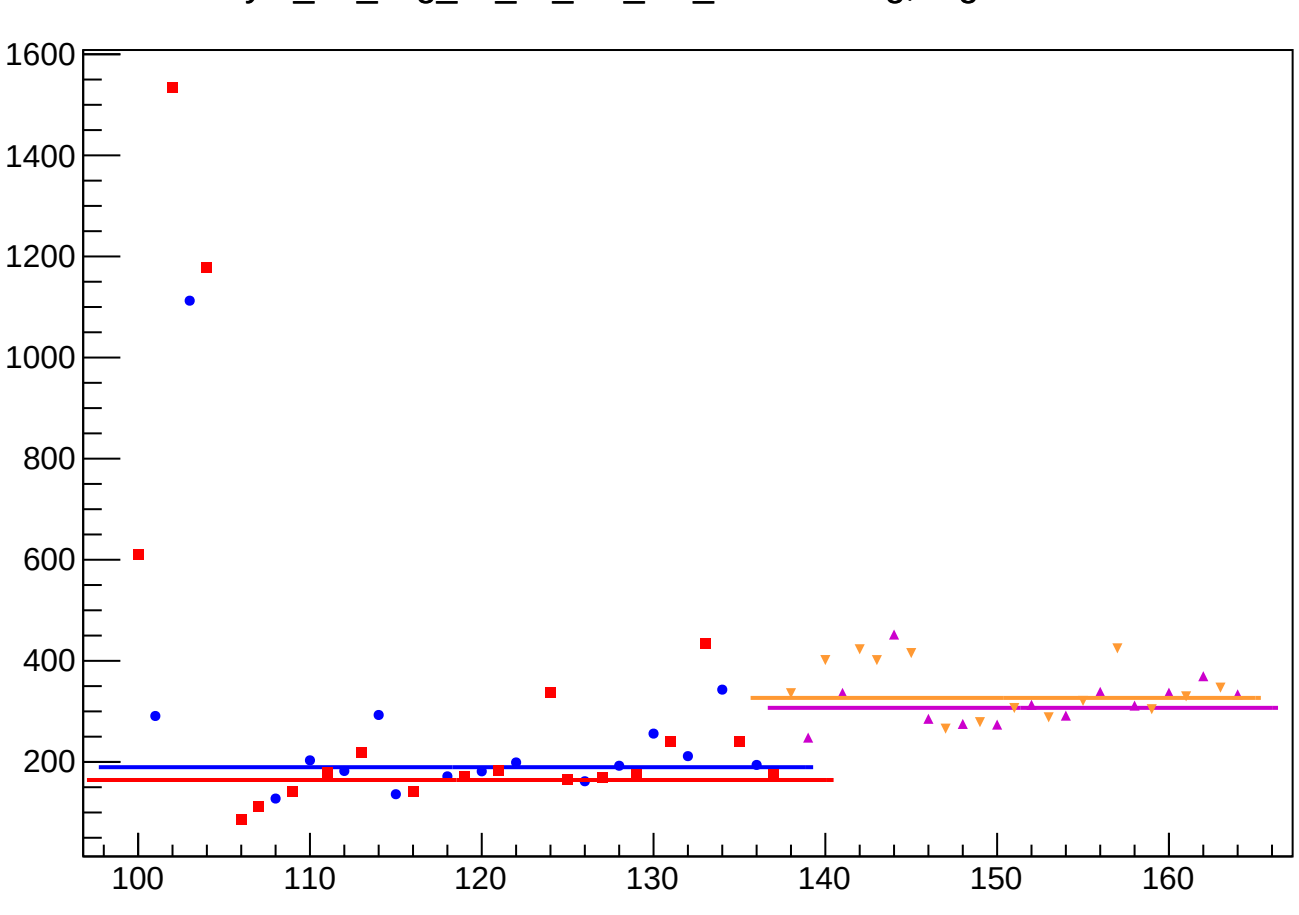
Left: 0.025+/-0.069 χ^2/NDF: 38.3/26

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.041+/-0.060 χ^2/NDF:34.3/28

Out: 0.055+/-0.057 χ^2/NDF:47.7/32

All: 0.009+/-0.041 χ^2/NDF: 83.3/61



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 326.697+/-0.071 χ^2/NDF:499017.4/13

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 307.010+/-0.067 χ^2/NDF:428247.9/12

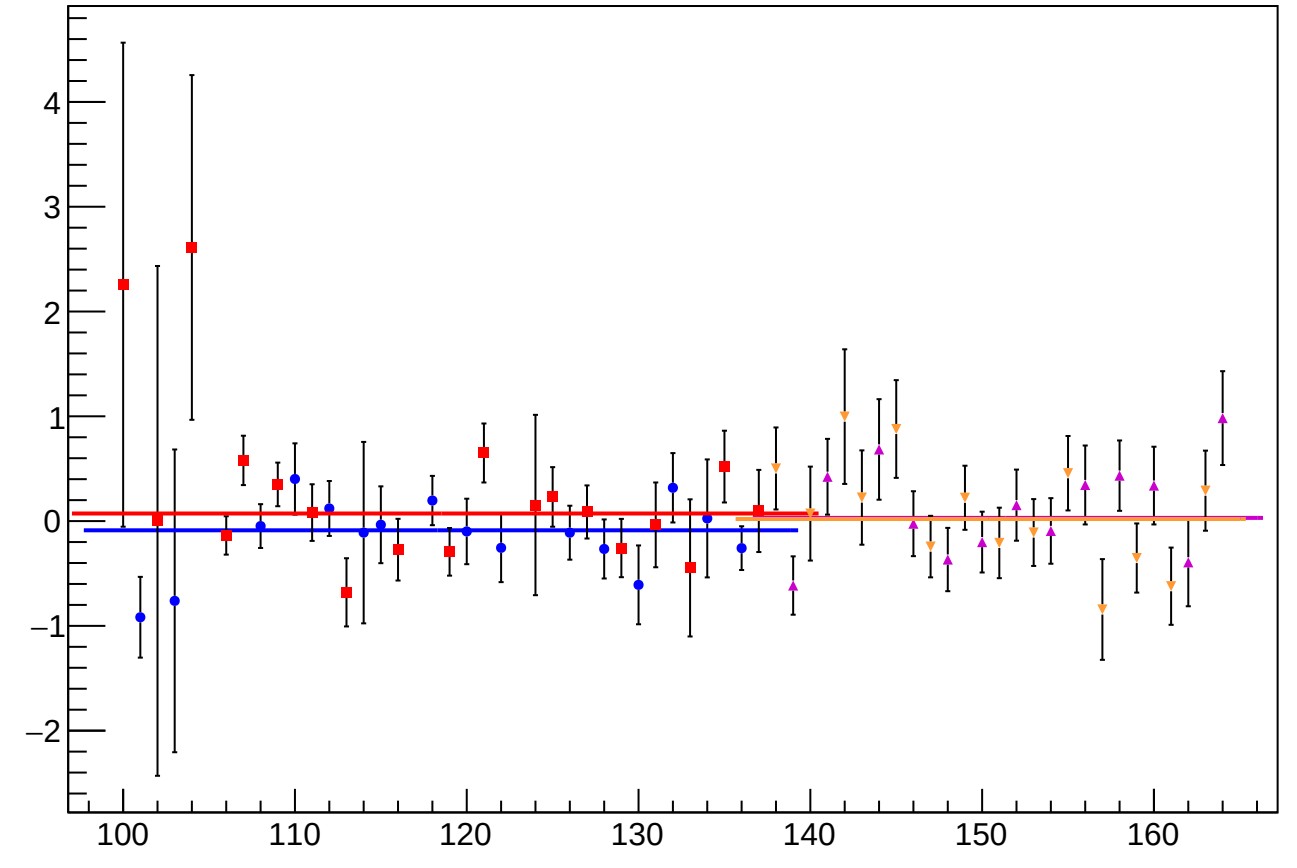
Left: 316.347+/-0.049 χ^2/NDF: 968041.3/26

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 236.024+/-0.042 χ^2/NDF:3741884.5/28

Out: 217.734+/-0.041 χ^2/NDF:6684103.5/32

All: 226.512+/-0.029 χ^2/NDF: 10523620.4/61



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.020+/-0.100 χ^2/NDF:18.9/13

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.031+/-0.095 χ^2/NDF:19.5/12

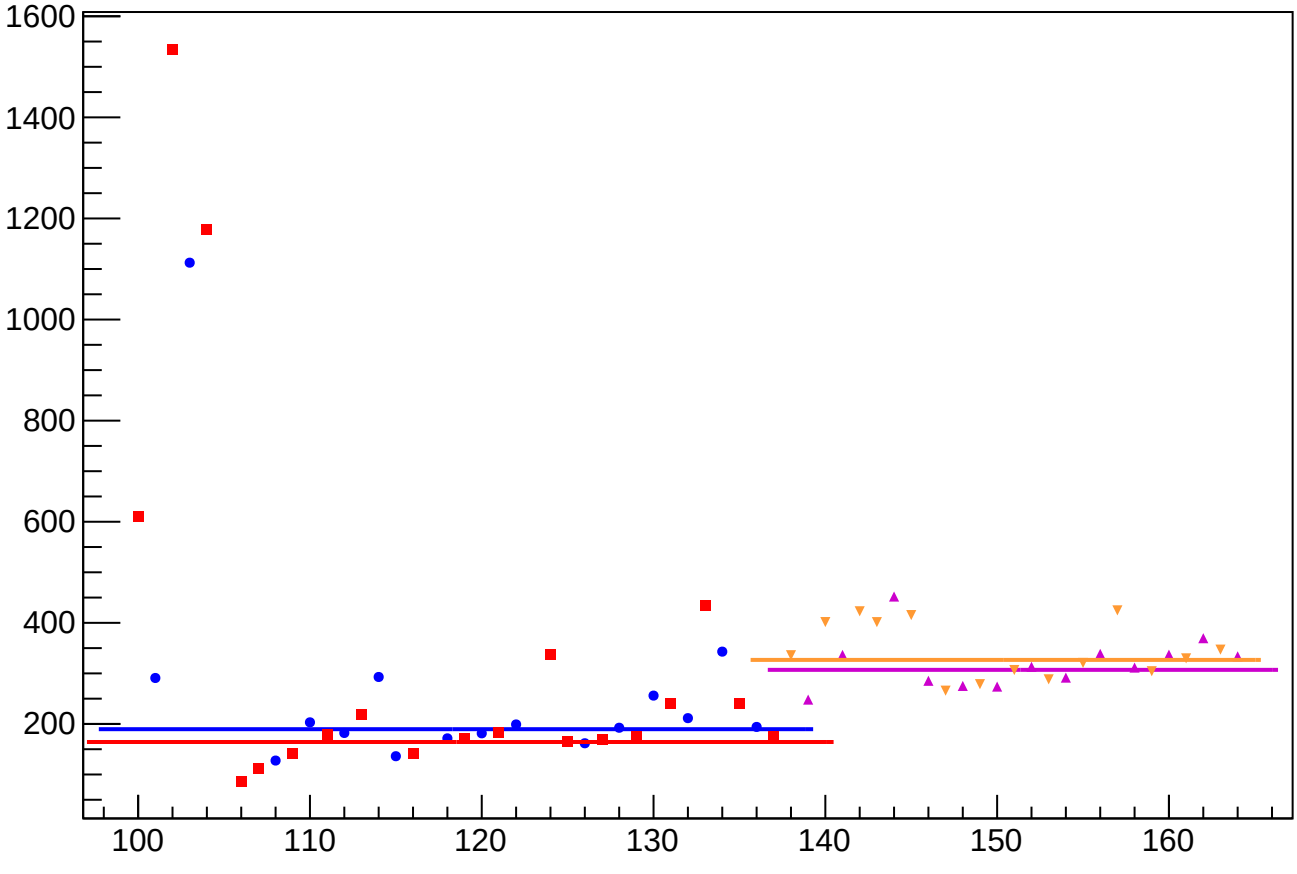
Left: 0.025+/-0.069 χ^2/NDF: 38.3/26

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.041+/-0.060 χ^2/NDF:34.3/28

Out: 0.055+/-0.057 χ^2/NDF:47.7/32

All: 0.009+/-0.041 χ^2/NDF: 83.3/61


asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1600
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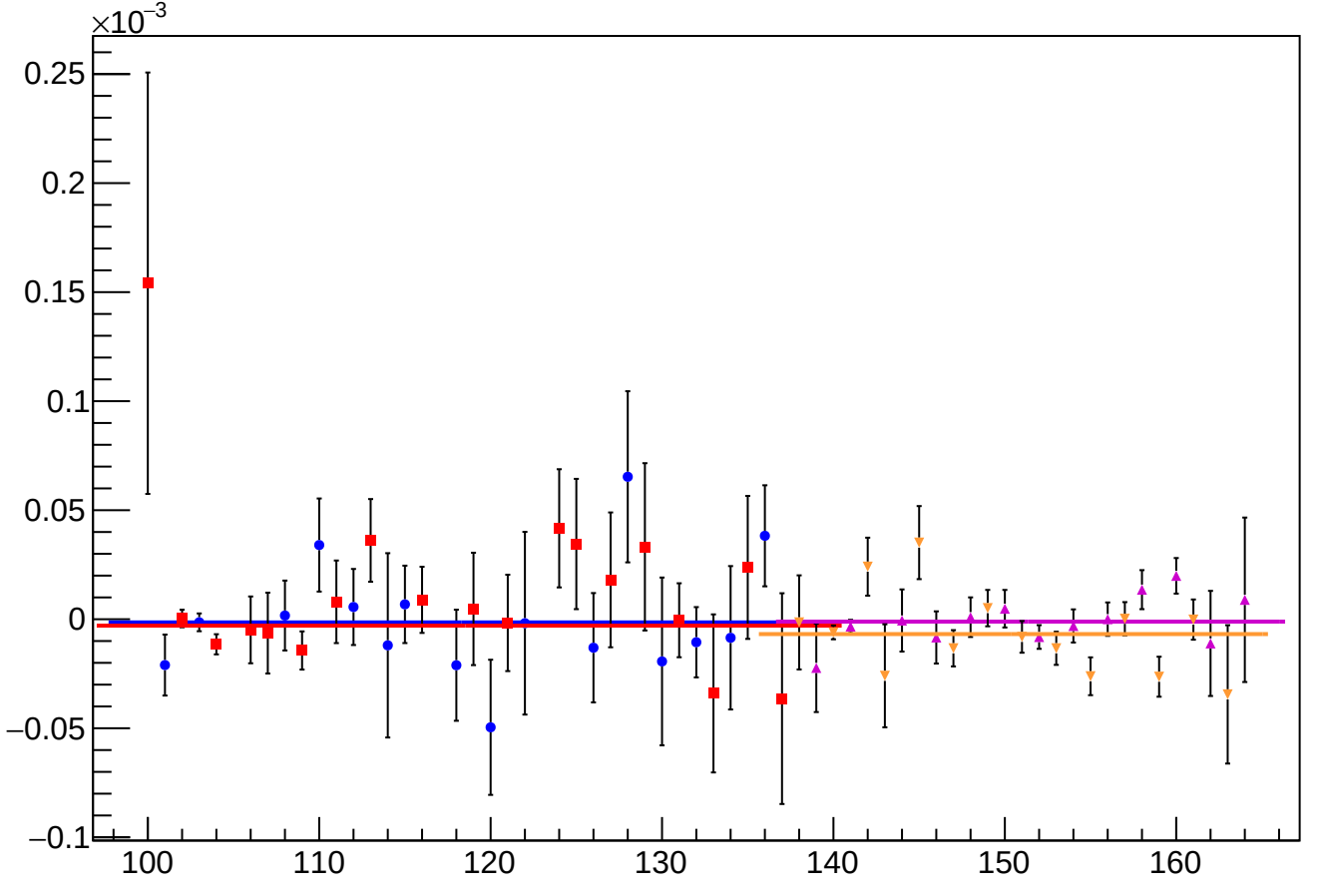
130
140
150
160
Right In: 189.628+/-0.054 χ²/NDF: 1465476.9/15
Left Out: 326.697+/-0.071 χ²/NDF:499017.4/13
Right Out: 164.287+/-0.050 χ²/NDF: 2643490.2/18
Left In: 307.010+/-0.067 χ²/NDF:428247.9/12
Left: 316.347+/-0.049 χ²/NDF: 968041.3/26
Right: 175.794+/-0.037 χ²/NDF: 4227942.3/34
In: 236.024+/-0.042 χ²/NDF:3741884.5/28
Out: 217.734+/-0.041 χ²/NDF:6684103.5/32
All: 226.512+/-0.029 χ²/NDF: 10523620.4/61



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/12

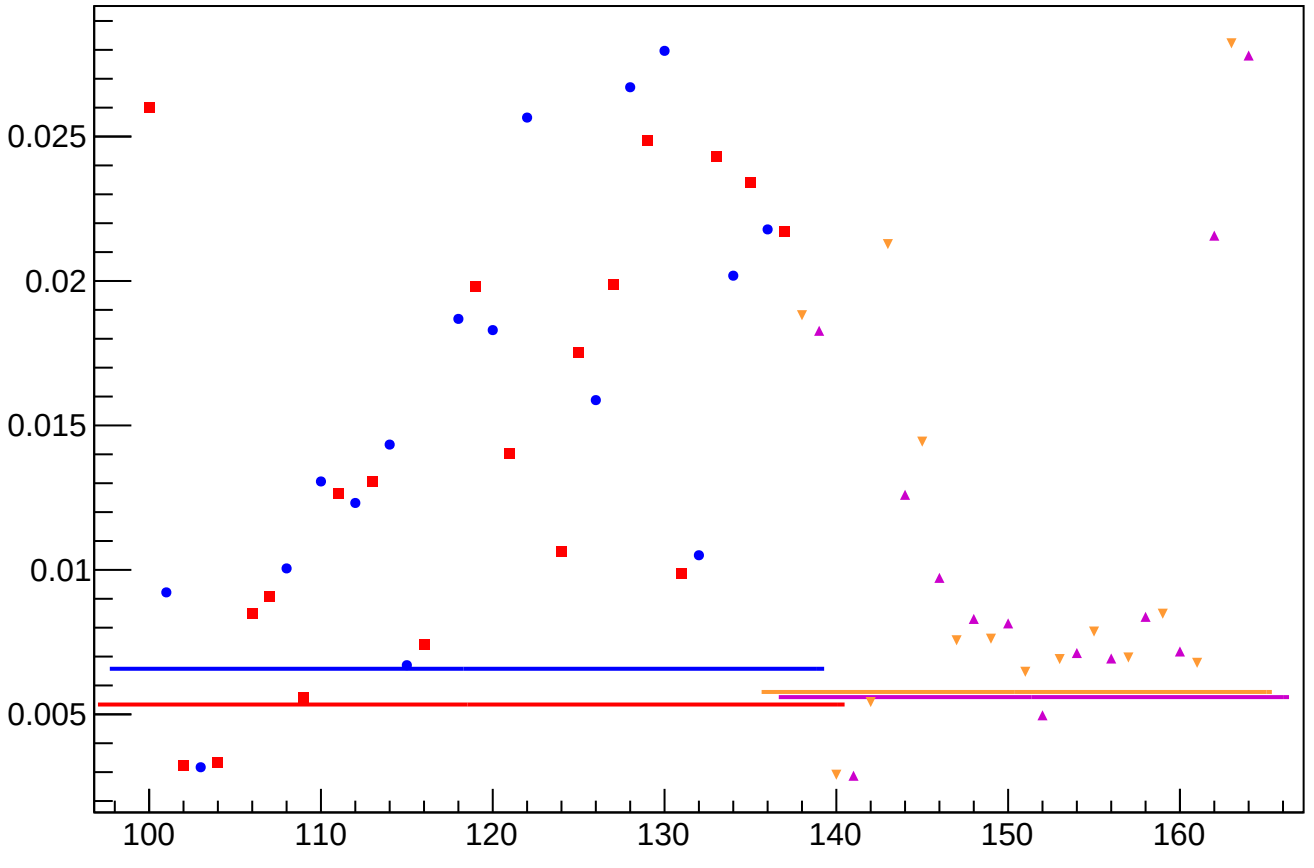
Left: -0.000+/-0.000 χ^2/NDF: 45.3/26

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:28.7/28

Out: -0.000+/-0.000 χ^2/NDF:50.2/32

All: -0.000+/-0.000 χ^2/NDF: 81.9/61



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:5375695.6/13

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:5448785.7/12

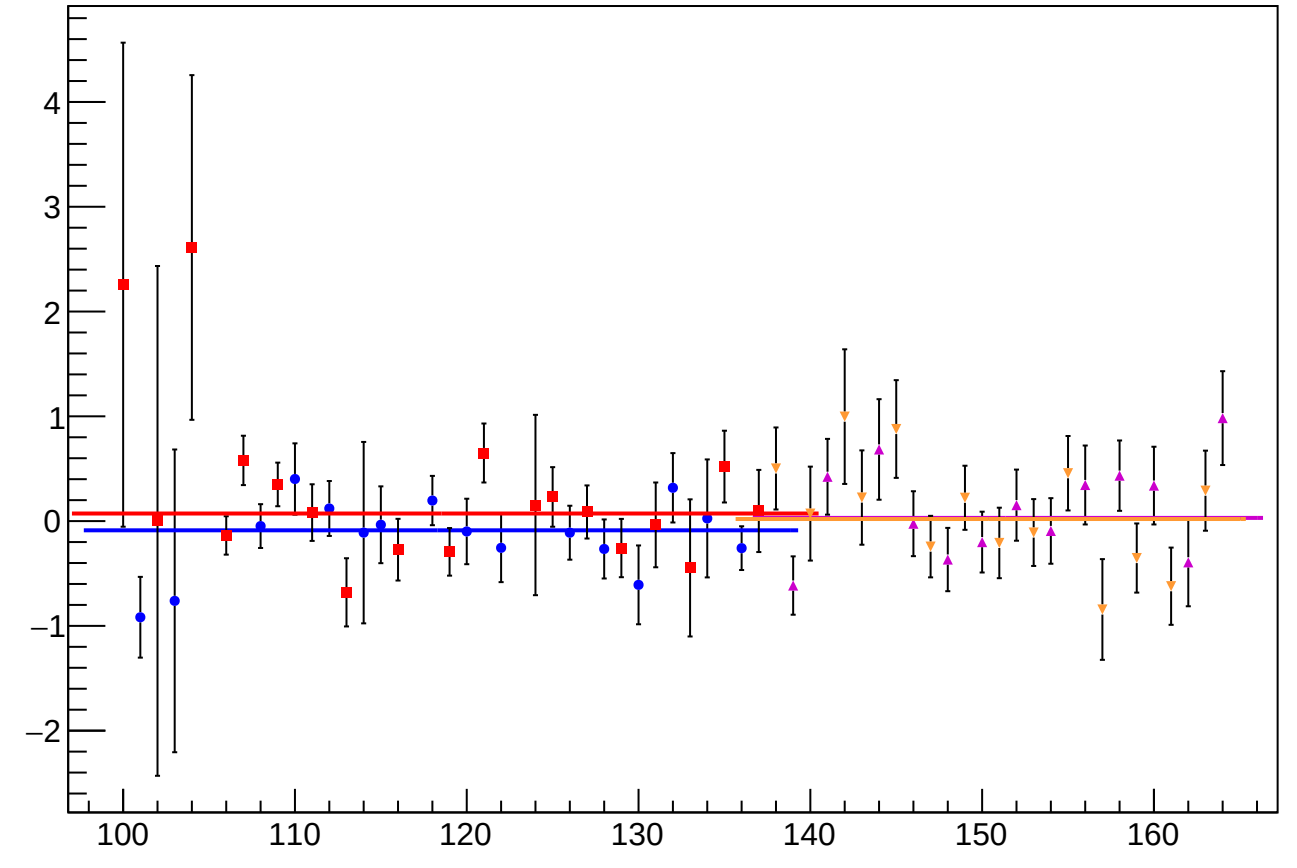
Left: 0.006+/-0.000 χ^2/NDF: 10832061.9/26

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:11504571.6/28

Out: 0.006+/-0.000 χ^2/NDF:11096377.2/32

All: 0.006+/-0.000 χ^2/NDF: 22625104.3/61



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.020+/-0.100 χ^2/NDF:18.9/13

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.031+/-0.095 χ^2/NDF:19.5/12

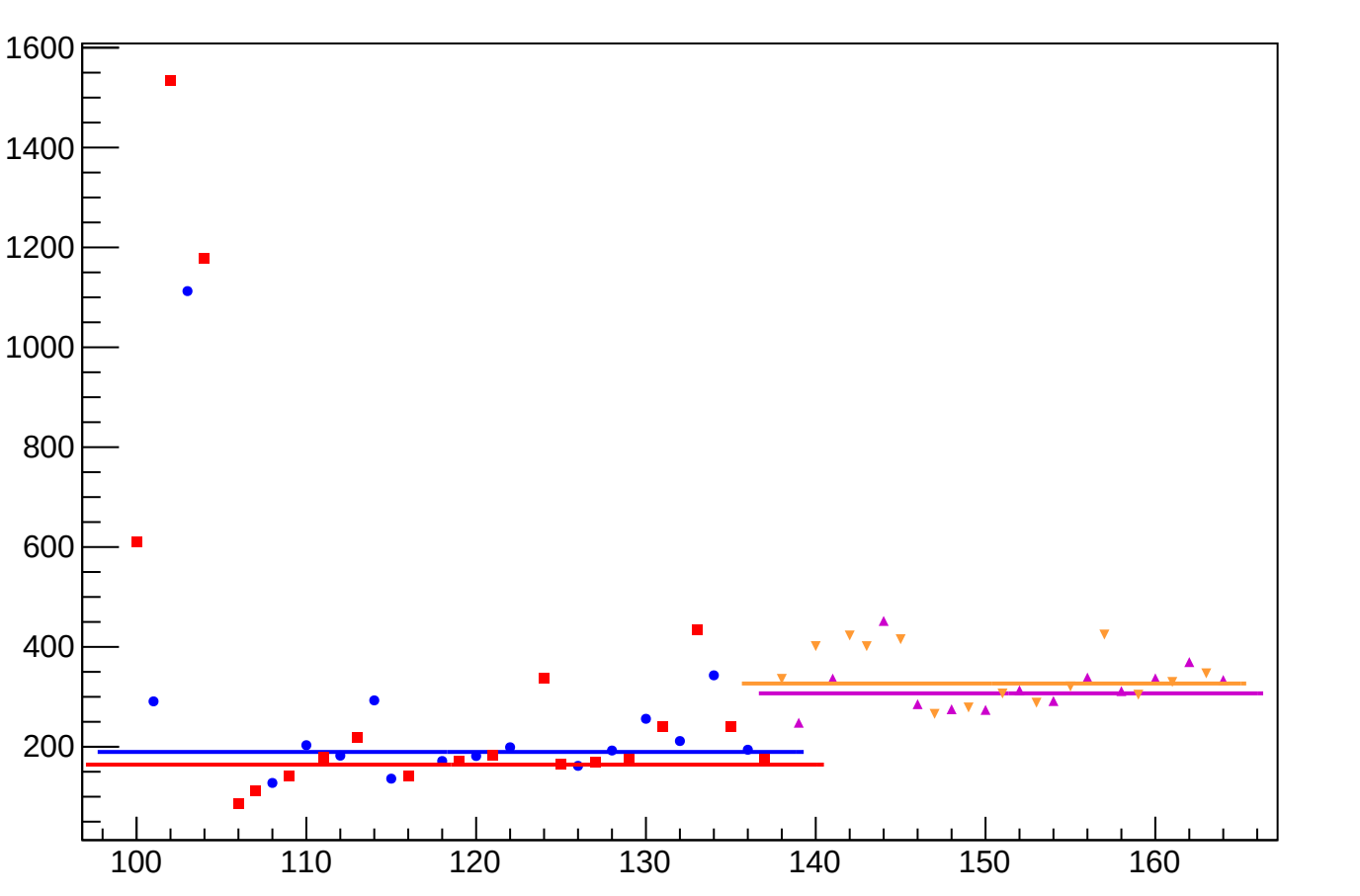
Left: 0.025+/-0.069 χ^2/NDF: 38.3/26

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.041+/-0.060 χ^2/NDF:34.3/28

Out: 0.055+/-0.057 χ^2/NDF:47.7/32

All: 0.009+/-0.041 χ^2/NDF: 83.3/61


asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1600
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120
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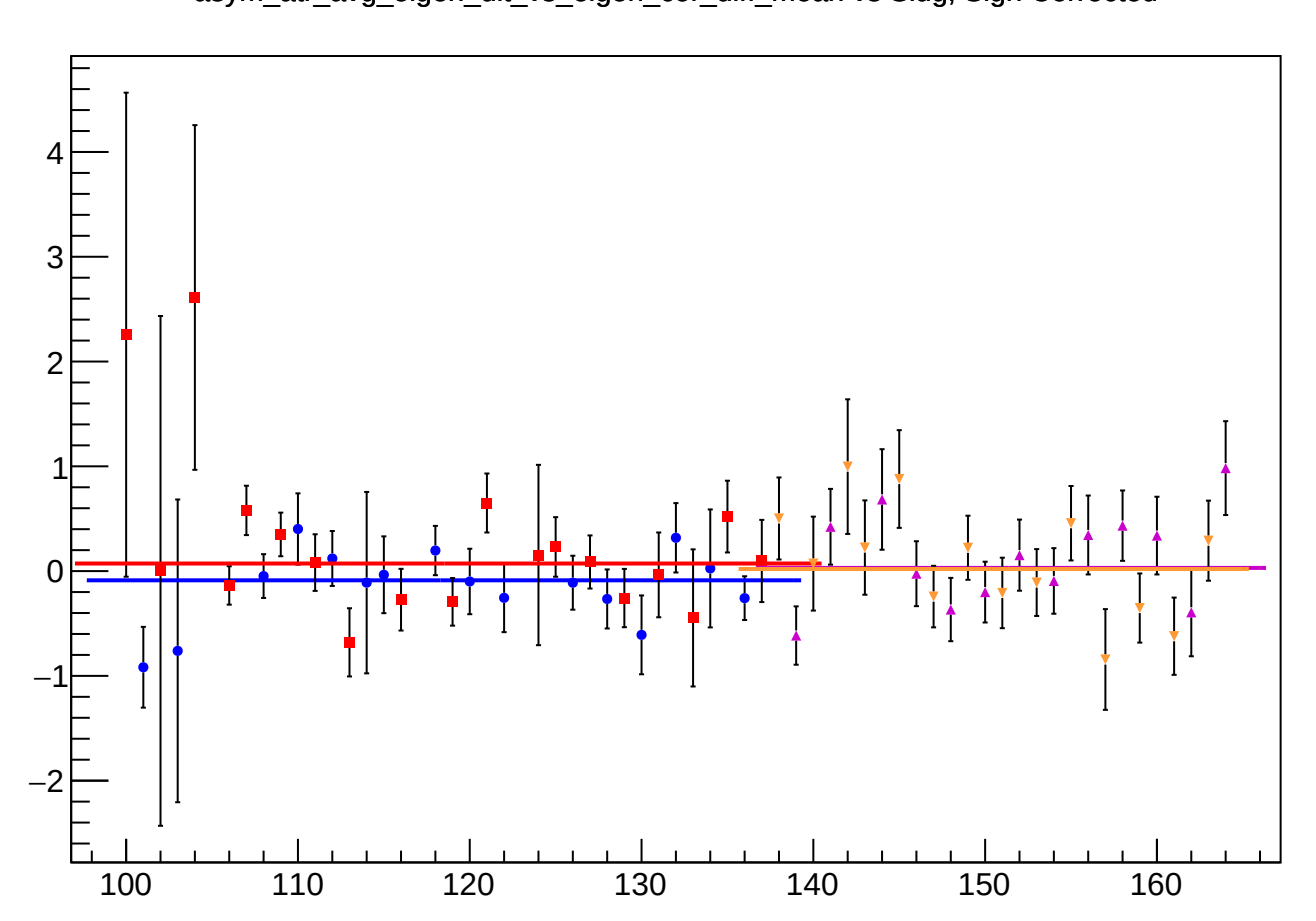
140
150
160
Right In: 189.628+/-0.054 χ²/NDF: 1465464.1/15
Left Out: 326.702+/-0.071 χ²/NDF:499009.9/13
Right Out: 164.286+/-0.050 χ²/NDF: 2643465.6/18
Left In: 307.014+/-0.067 χ²/NDF:428243.7/12
Left: 316.352+/-0.049 χ²/NDF: 968030.6/26
Right: 175.793+/-0.037 χ²/NDF: 4227906.3/34
In: 236.024+/-0.042 χ²/NDF:3742003.2/28
Out: 217.734+/-0.041 χ²/NDF:6684262.0/32
All: 226.512+/-0.029 χ²/NDF: 10523903.8/61



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.020+/-0.100 χ^2/NDF:18.9/13

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: 0.031+/-0.095 χ^2/NDF:19.5/12

Left: 0.025+/-0.069 χ^2/NDF: 38.3/26

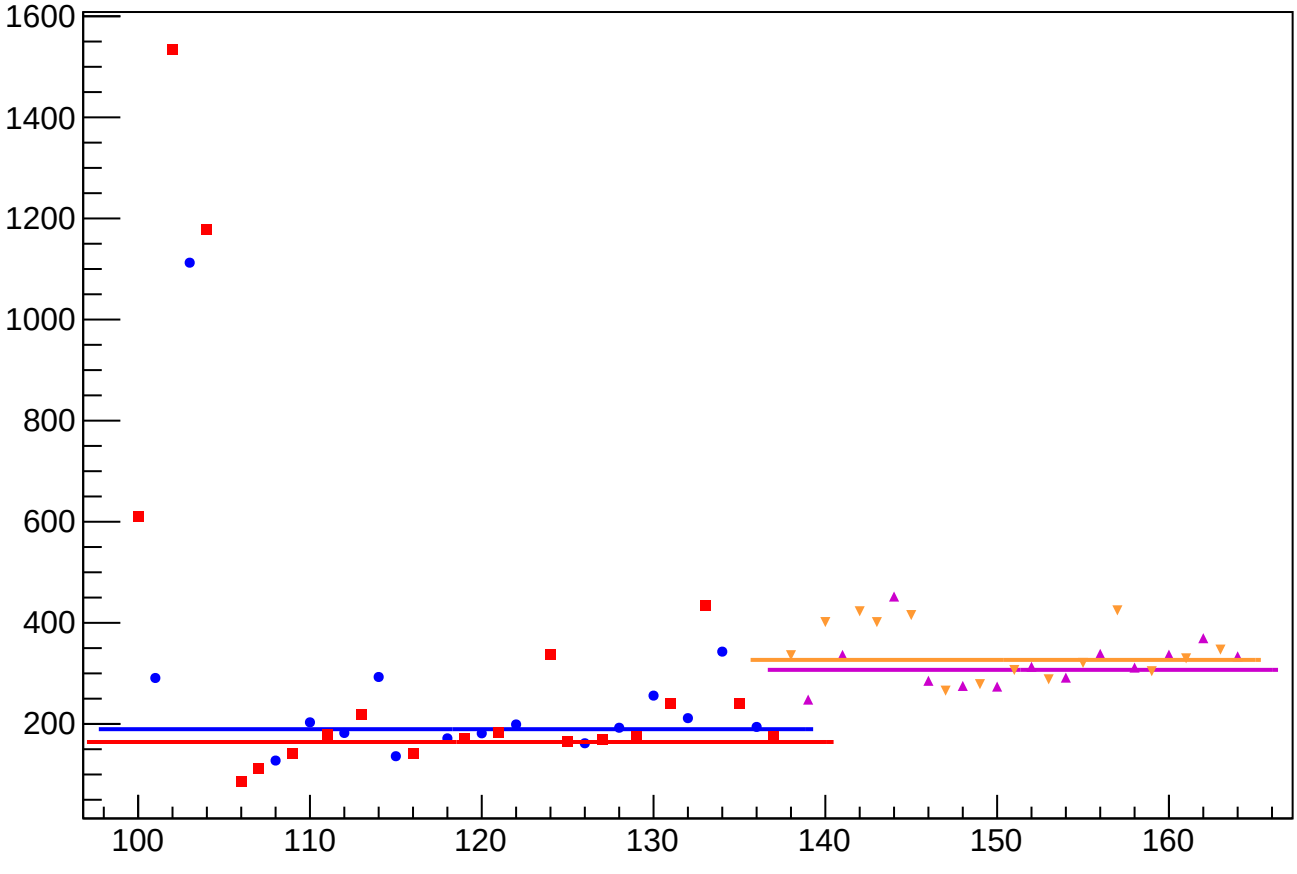
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.041+/-0.060 χ^2/NDF:34.3/28

Out: 0.055+/-0.057 χ^2/NDF:47.7/32

All: 0.009+/-0.041 χ^2/NDF: 83.3/61

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: 326.702+/-0.071 χ^2/NDF:499009.9/13

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 307.014+/-0.067 χ^2/NDF:428243.7/12

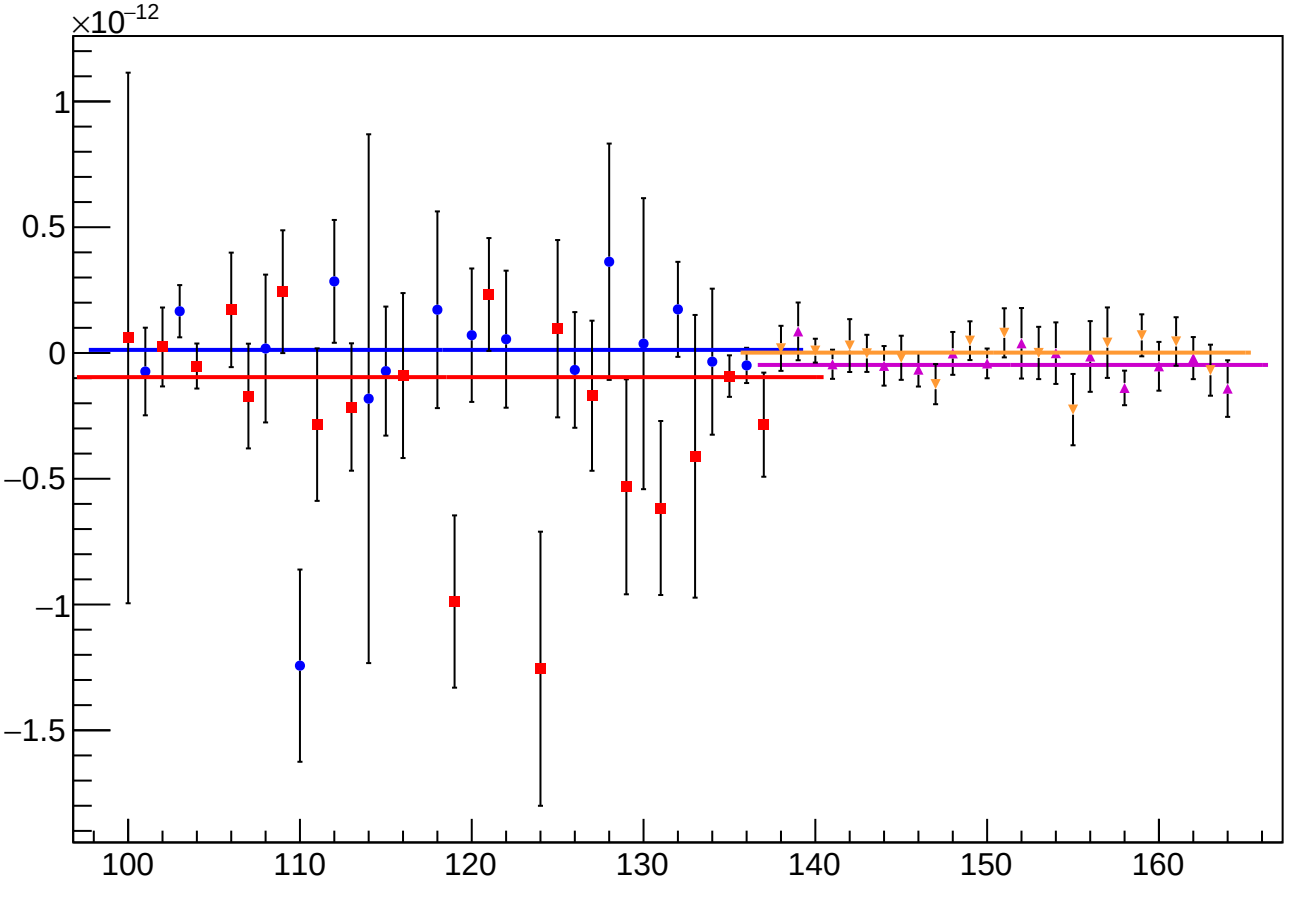
Left: 316.352+/-0.049 χ^2/NDF: 968030.6/26

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 236.024+/-0.042 χ^2/NDF:3742003.2/28

Out: 217.734+/-0.041 χ^2/NDF:6684262.0/32

All: 226.512+/-0.029 χ^2/NDF: 10523903.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/12

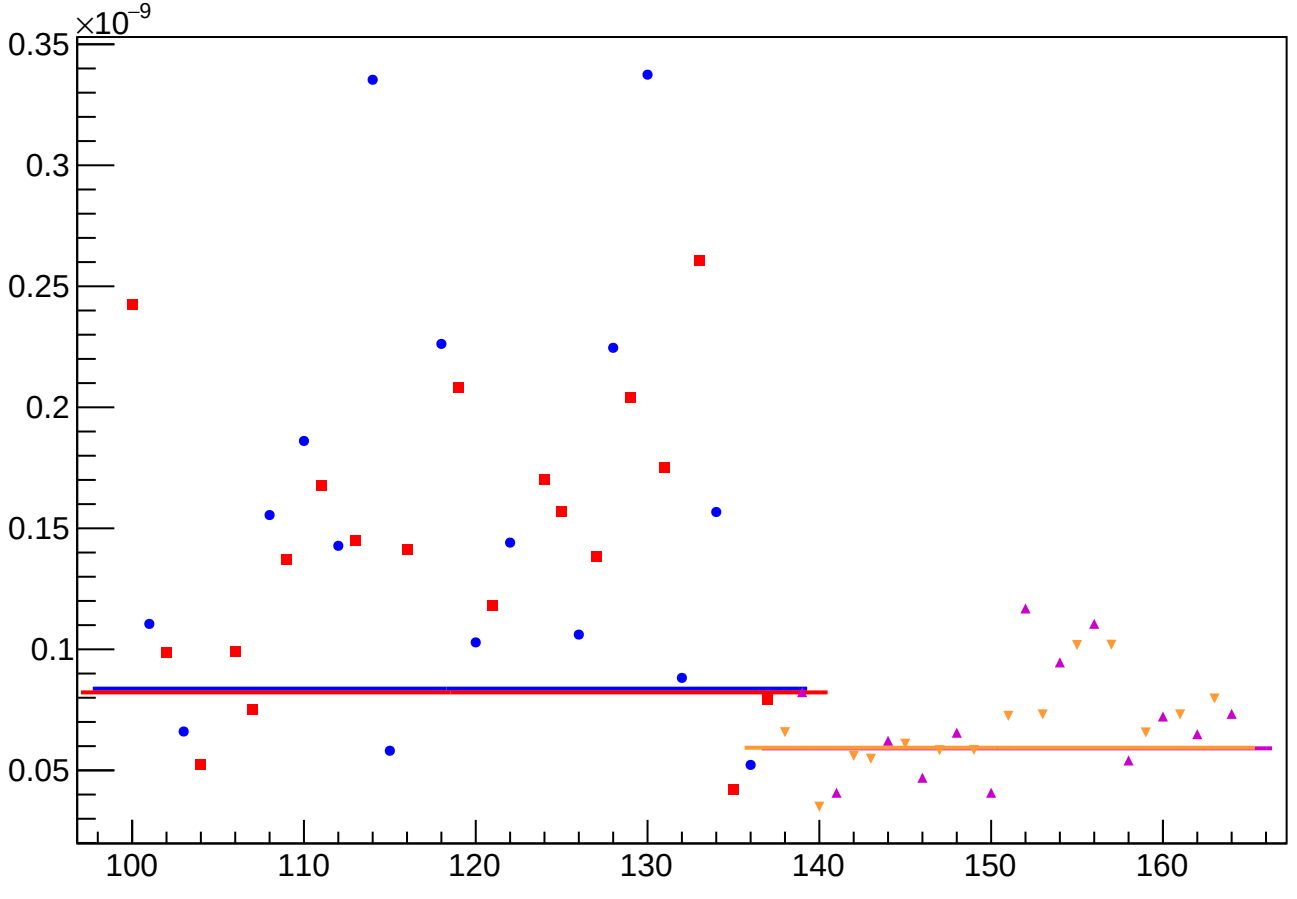
Left: -0.000+/-0.000 χ^2/NDF: 14.9/26

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:23.3/28

Out: -0.000+/-0.000 χ^2/NDF:34.6/32

All: -0.000+/-0.000 χ^2/NDF: 58.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1118205.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1420196.8/12

Left: 0.000+/-0.000 χ^2/NDF: 2538525.0/26

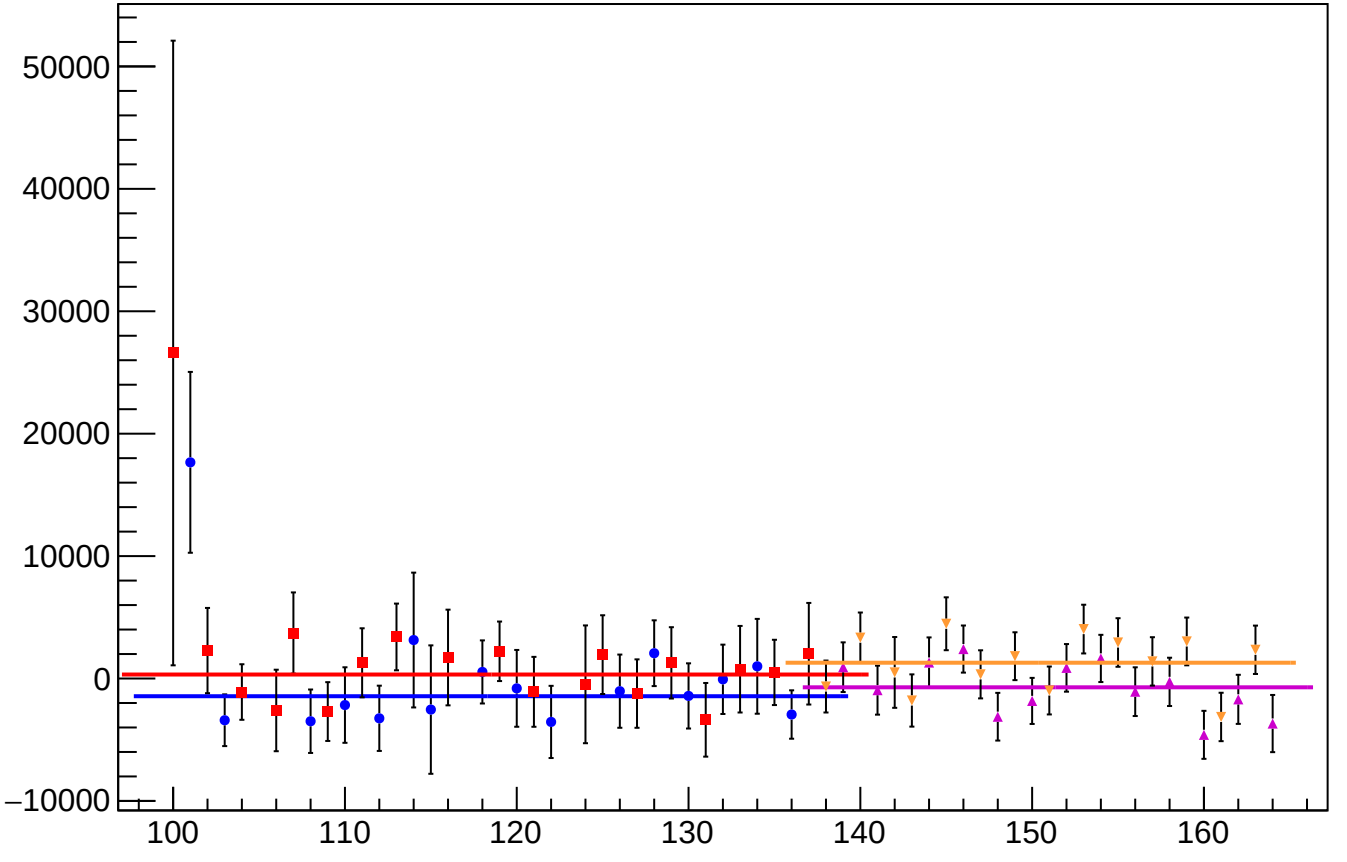
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:3995852.1/28

Out: 0.000+/-0.000 χ^2/NDF:3805426.0/32

All: 0.000+/-0.000 χ^2/NDF: 7801298.0/61

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1290.101+/-547.810 χ^2/NDF:16.5/13

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -718.506+/-552.071 χ^2/NDF:14.2/12

Left: 293.578+/-388.858 χ^2/NDF: 37.4/26

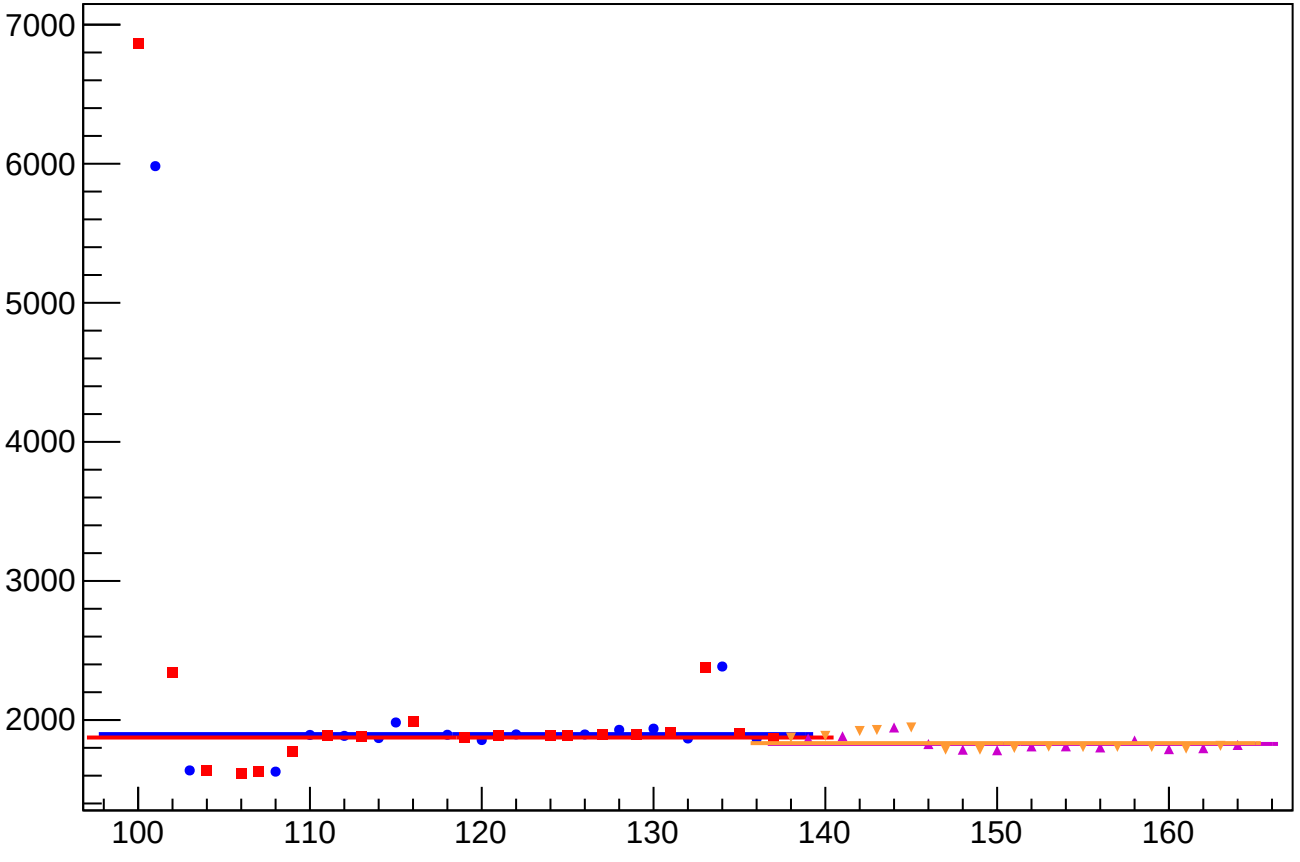
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -986.587+/-438.811 χ^2/NDF:28.3/28

Out: 925.593+/-432.026 χ^2/NDF:27.6/32

All: -15.599+/-307.859 χ^2/NDF: 65.6/61

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1833.866+/-0.387 χ^2/NDF:18598.6/13

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1828.083+/-0.390 χ^2/NDF:13135.5/12

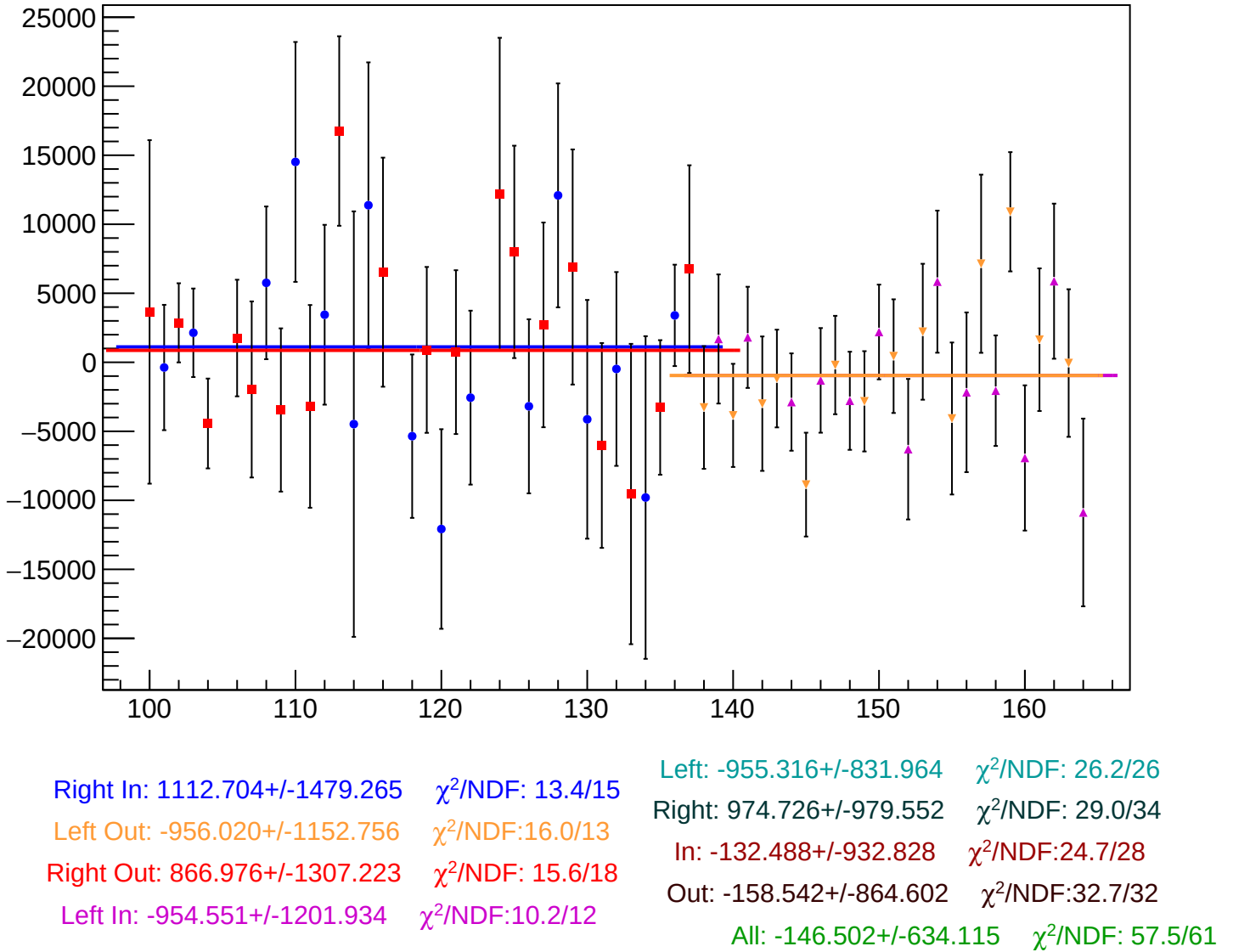
Left: 1830.997+/-0.275 χ^2/NDF: 31844.7/26

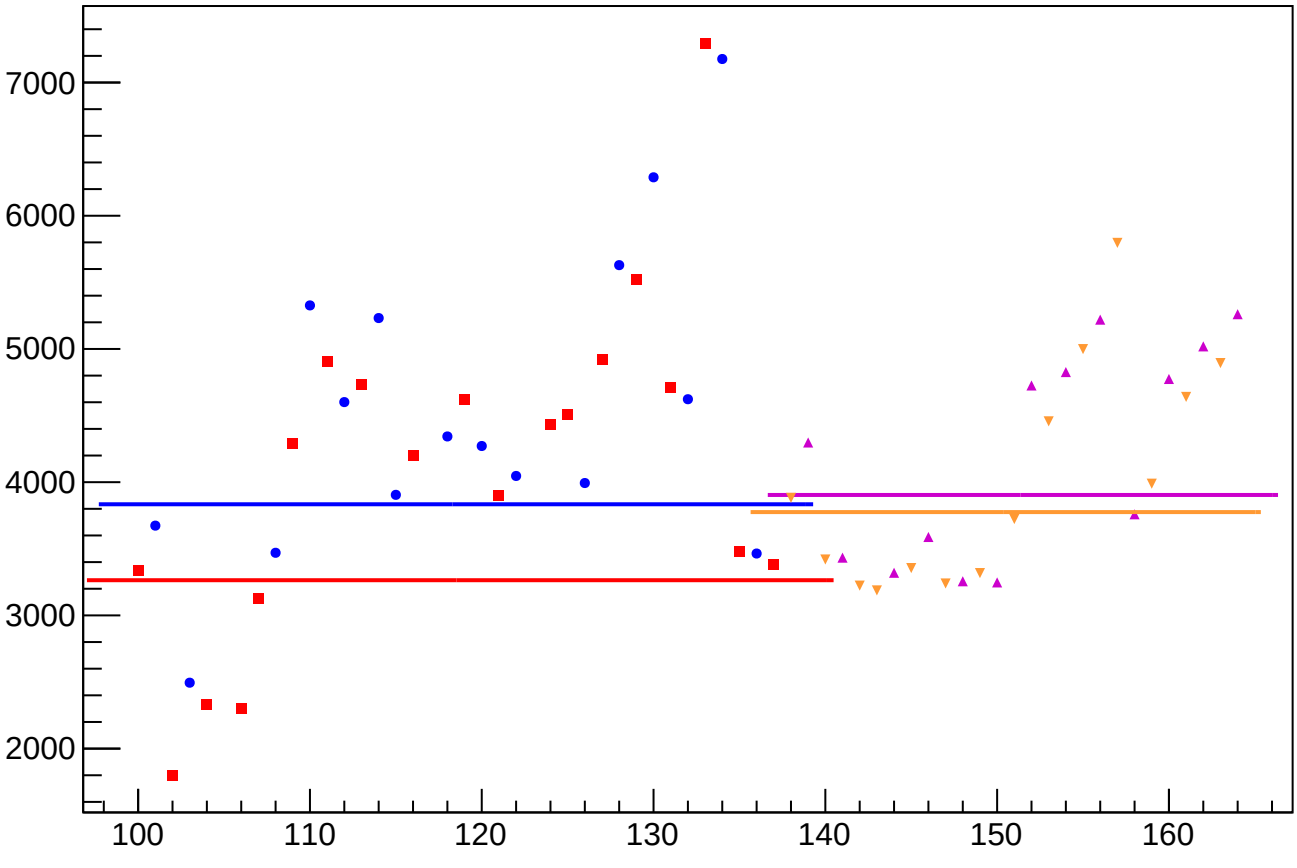
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1854.132+/-0.310 χ^2/NDF:722742.3/28

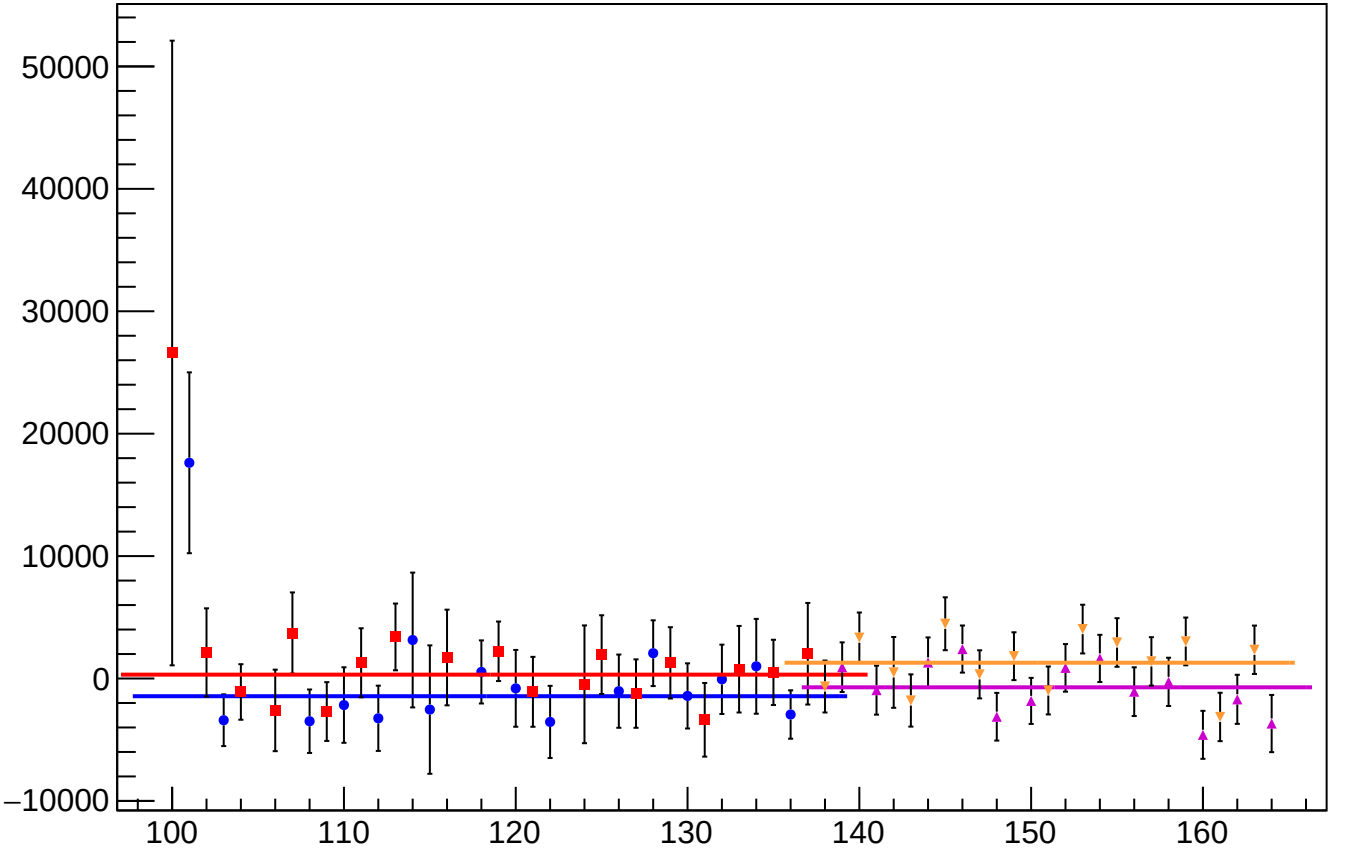
Out: 1849.198+/-0.305 χ^2/NDF:230382.8/32

All: 1851.623+/-0.218 χ^2/NDF: 953253.7/61


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
160
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -956.020+/-1152.756 χ²/NDF:16.0/13
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -954.551+/-1201.934 χ²/NDF:10.2/12
Left: -955.316+/-831.964 χ²/NDF: 26.2/26
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: -132.488+/-932.828 χ²/NDF:24.7/28
Out: -158.542+/-864.602 χ²/NDF:32.7/32
All: -146.502+/-634.115 χ²/NDF: 57.5/61


asym_atr_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3834.164+/-1.046 χ²/NDF: 956775.6/15
Left Out: 3775.489+/-0.815 χ²/NDF:683818.6/13
Right Out: 3264.110+/-0.924 χ²/NDF: 1864241.4/18
Left In: 3904.033+/-0.850 χ²/NDF:691094.5/12
Left: 3837.078+/-0.588 χ²/NDF: 1386828.4/26
Right: 3514.075+/-0.693 χ²/NDF: 2987789.5/34
In: 3876.249+/-0.660 χ²/NDF:1650557.7/28
Out: 3551.784+/-0.611 χ²/NDF:2720236.6/32
All: 3701.718+/-0.448 χ²/NDF: 4500950.6/61

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1290.255+/-547.810 χ^2/NDF:16.5/13

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -718.483+/-552.071 χ^2/NDF:14.2/12

Left: 293.667+/-388.858 χ^2/NDF: 37.4/26

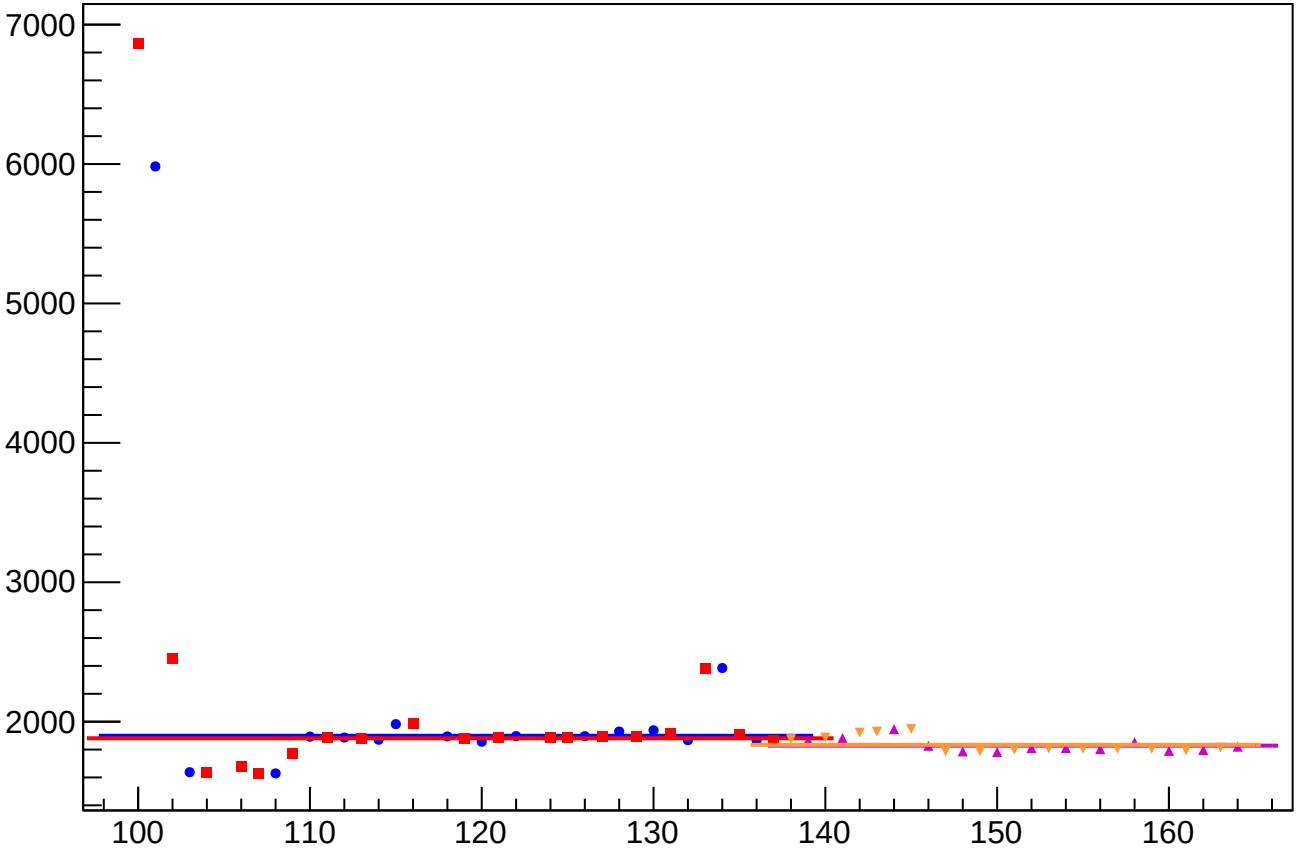
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -986.714+/-438.811 χ^2/NDF:28.3/28

Out: 922.357+/-432.246 χ^2/NDF:27.6/32

All: -17.791+/-307.939 χ^2/NDF: 65.5/61

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.866+/-0.387 χ^2/NDF:18598.6/13

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.083+/-0.390 χ^2/NDF:13135.5/12

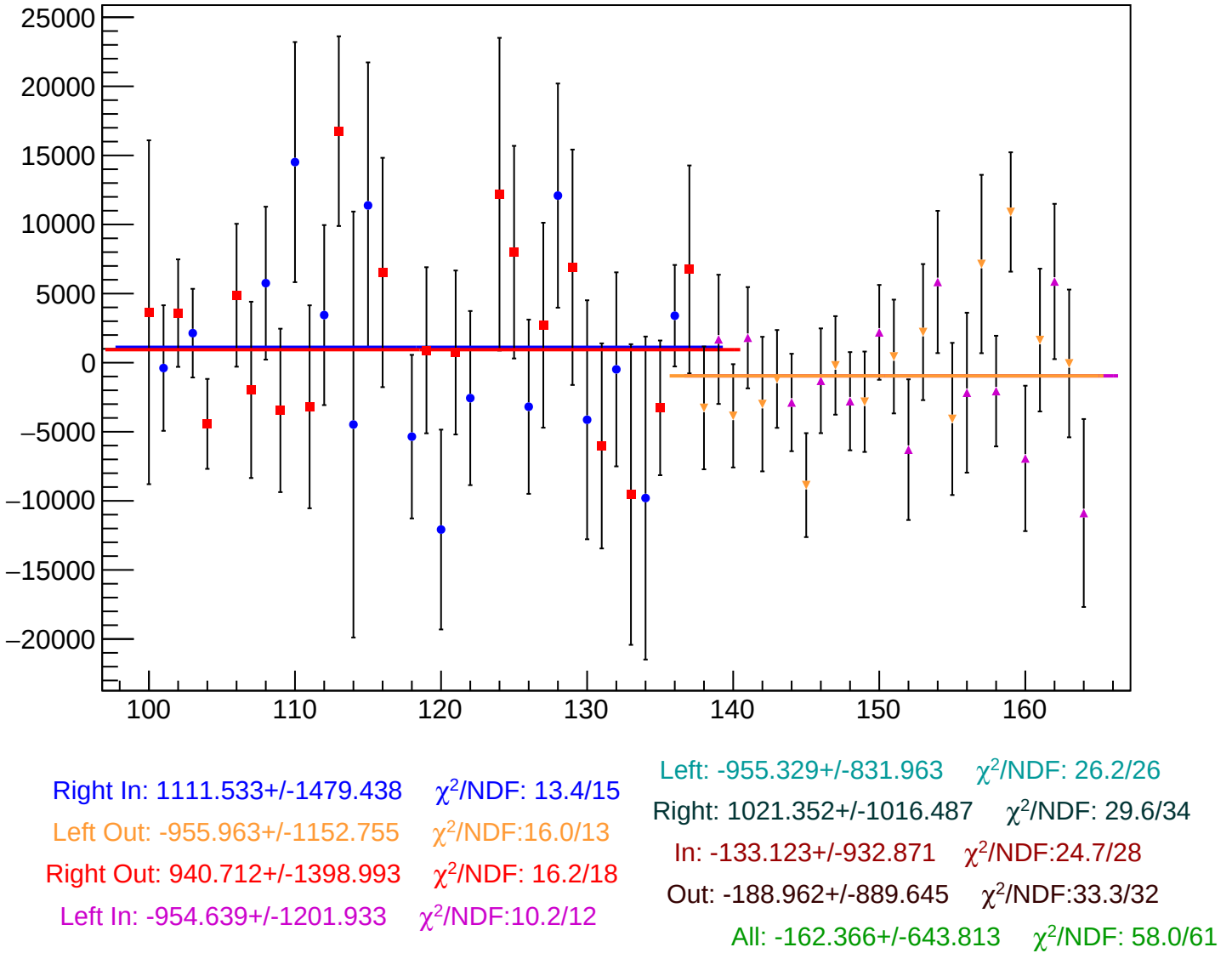
Left: 1830.997+/-0.275 χ^2/NDF: 31844.7/26

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1854.132+/-0.310 χ^2/NDF:722742.4/28

Out: 1851.692+/-0.305 χ^2/NDF:240763.2/32

All: 1852.893+/-0.218 χ^2/NDF: 963537.1/61


asym_atr_dd_cor_correction_mean vs Slug, Sign Corrected
25000
20000
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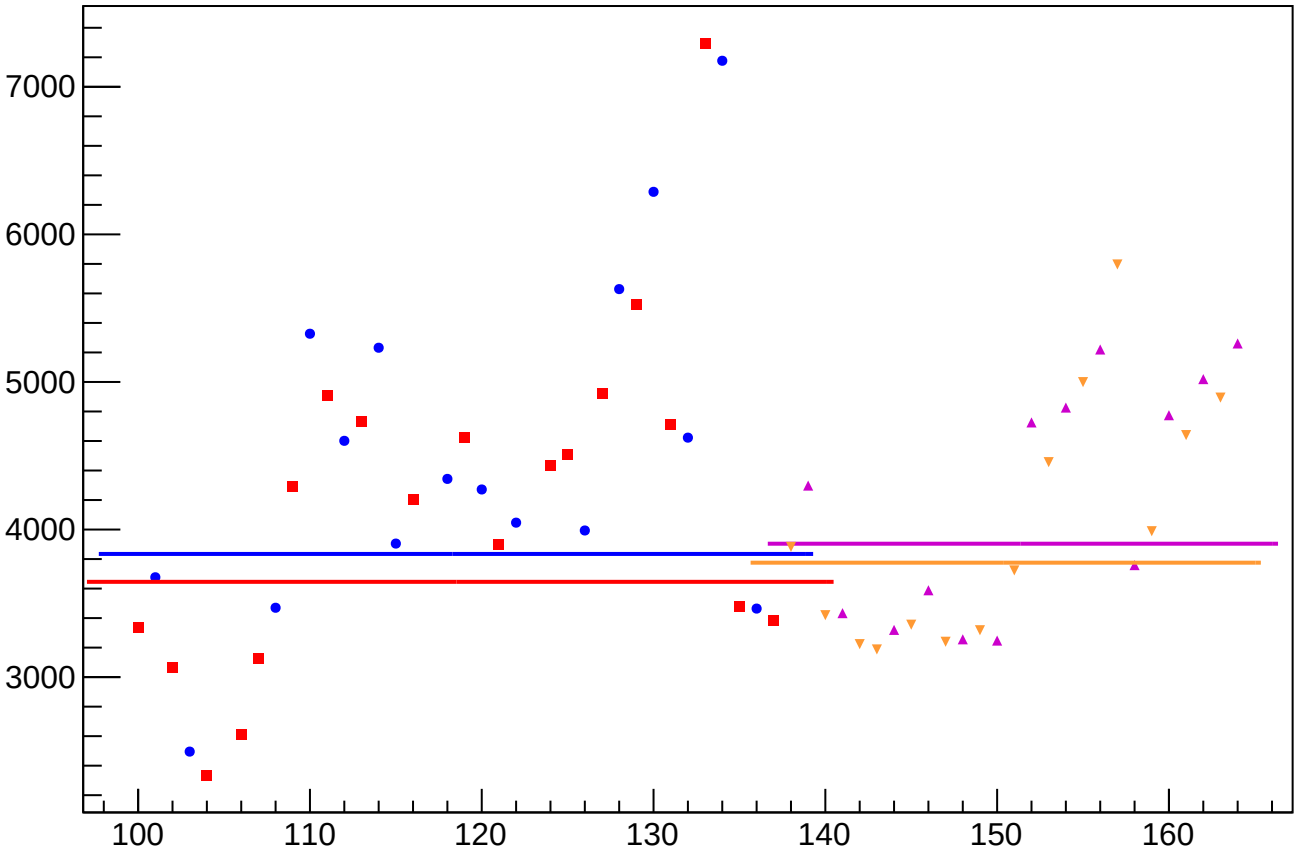
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -955.963+/-1152.755 χ²/NDF:16.0/13
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -954.639+/-1201.933 χ²/NDF:10.2/12
Left: -955.329+/-831.963 χ²/NDF: 26.2/26
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: -133.123+/-932.871 χ²/NDF:24.7/28
Out: -188.962+/-889.645 χ²/NDF:33.3/32
All: -162.366+/-643.813 χ²/NDF: 58.0/61



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3775.486+/-0.815 χ^2/NDF:683813.1/13

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3904.027+/-0.850 χ^2/NDF:691108.3/12

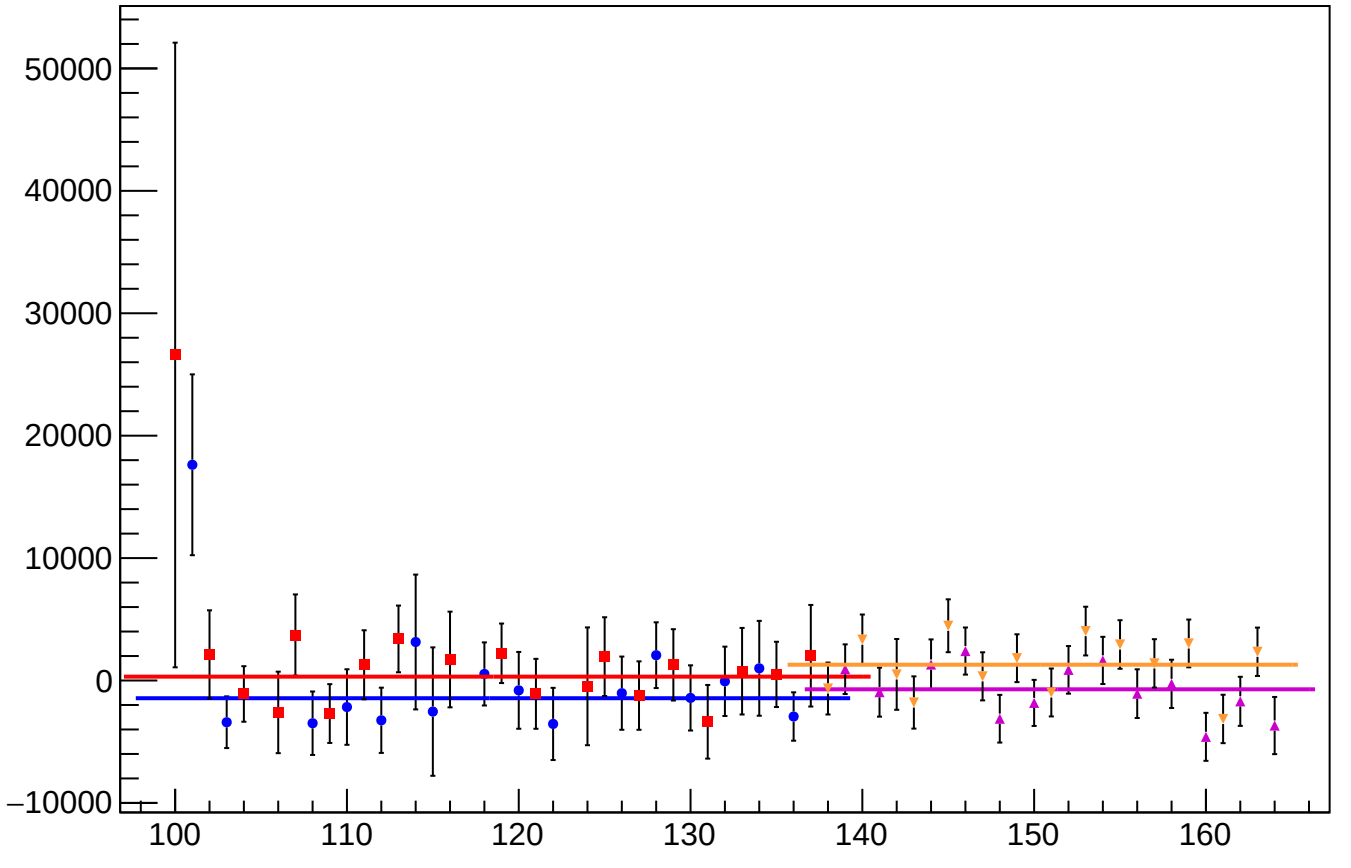
Left: 3837.073+/-0.588 χ^2/NDF: 1386836.4/26

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3876.459+/-0.660 χ^2/NDF:1650066.9/28

Out: 3722.997+/-0.629 χ^2/NDF:1819048.3/32

All: 3796.090+/-0.455 χ^2/NDF: 3497459.9/61



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1290.255+/-547.810 χ^2/NDF:16.5/13

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -718.483+/-552.071 χ^2/NDF:14.2/12

Left: 293.667+/-388.858 χ^2/NDF: 37.4/26

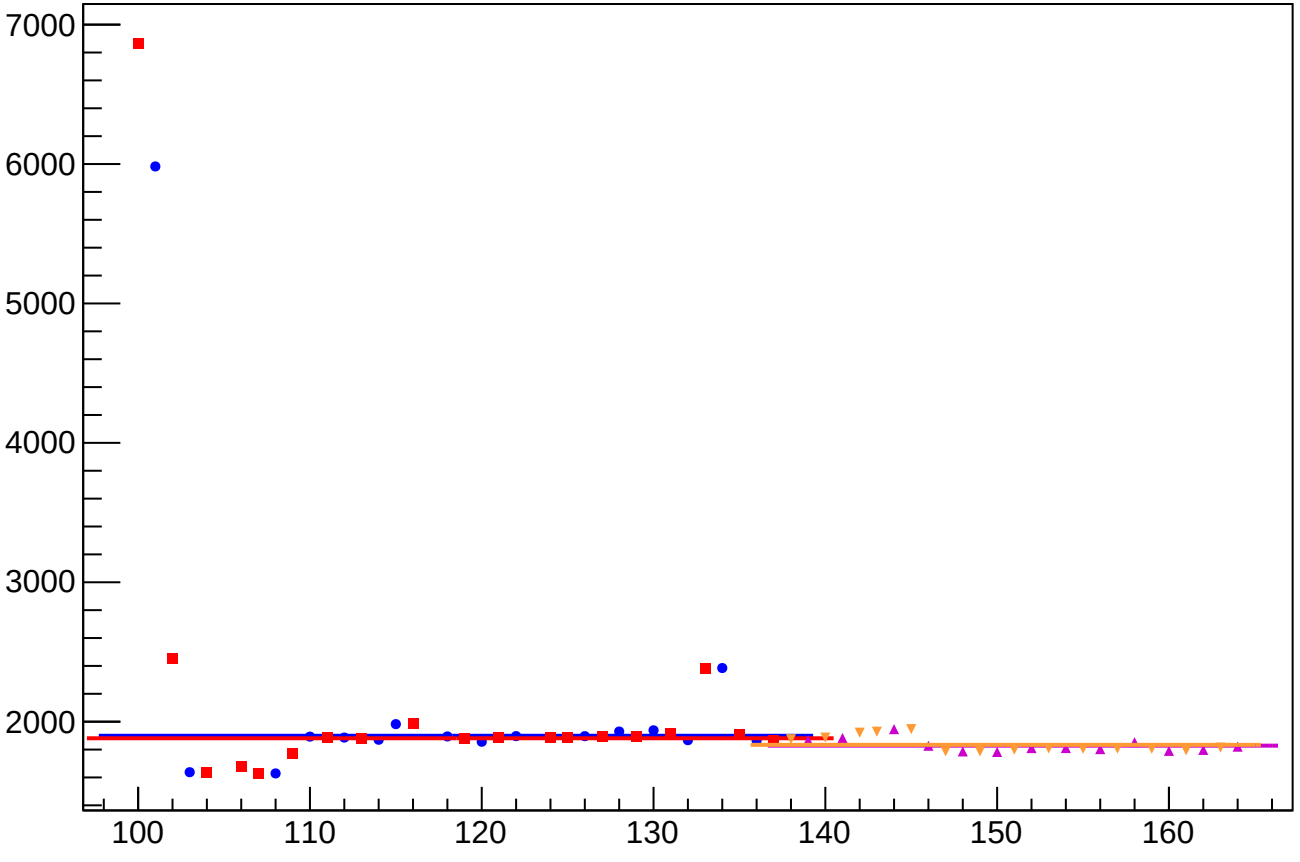
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -986.714+/-438.811 χ^2/NDF:28.3/28

Out: 922.357+/-432.246 χ^2/NDF:27.6/32

All: -17.791+/-307.939 χ^2/NDF: 65.5/61

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.866+/-0.387 χ^2/NDF:18598.6/13

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.083+/-0.390 χ^2/NDF:13135.5/12

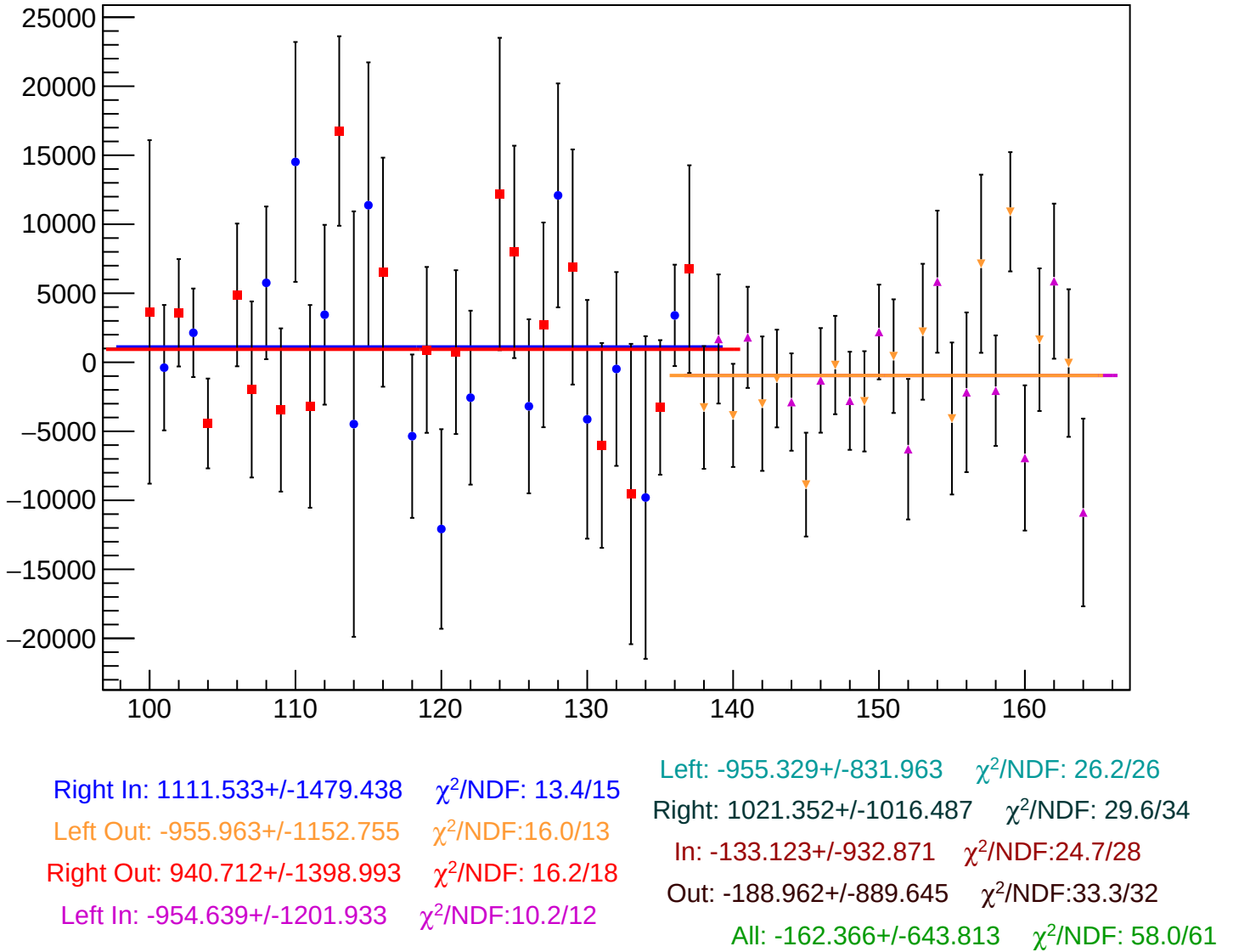
Left: 1830.997+/-0.275 χ^2/NDF: 31844.7/26

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1854.132+/-0.310 χ^2/NDF:722742.4/28

Out: 1851.692+/-0.305 χ^2/NDF:240763.2/32

All: 1852.893+/-0.218 χ^2/NDF: 963537.1/61


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
25000
20000
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−15000
−20000
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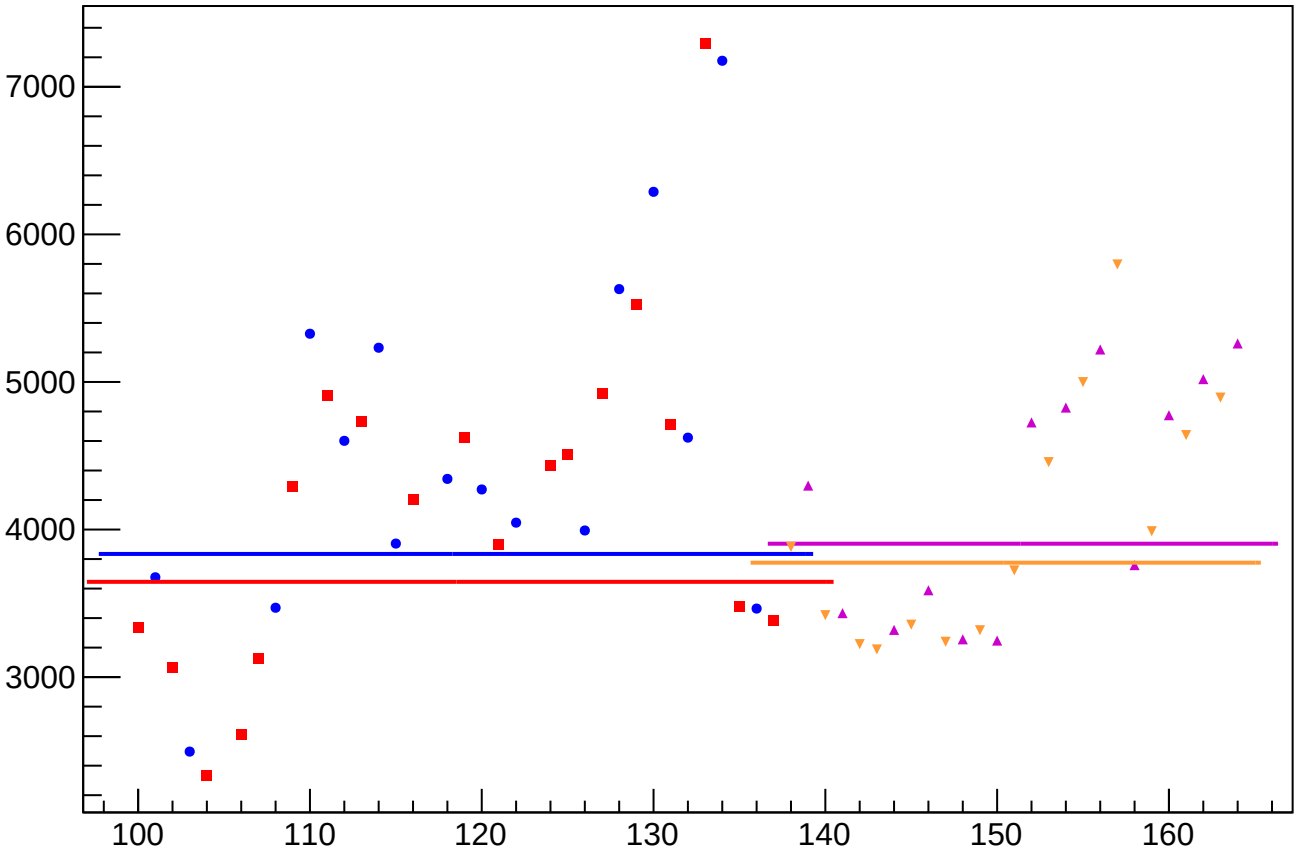
110
120
130
140
150
160
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -955.963+/-1152.755 χ²/NDF:16.0/13
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -954.639+/-1201.933 χ²/NDF:10.2/12
Left: -955.329+/-831.963 χ²/NDF: 26.2/26
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: -133.123+/-932.871 χ²/NDF:24.7/28
Out: -188.962+/-889.645 χ²/NDF:33.3/32
All: -162.366+/-643.813 χ²/NDF: 58.0/61



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3775.486+/-0.815 χ^2/NDF:683813.1/13

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3904.027+/-0.850 χ^2/NDF:691108.3/12

Left: 3837.073+/-0.588 χ^2/NDF: 1386836.4/26

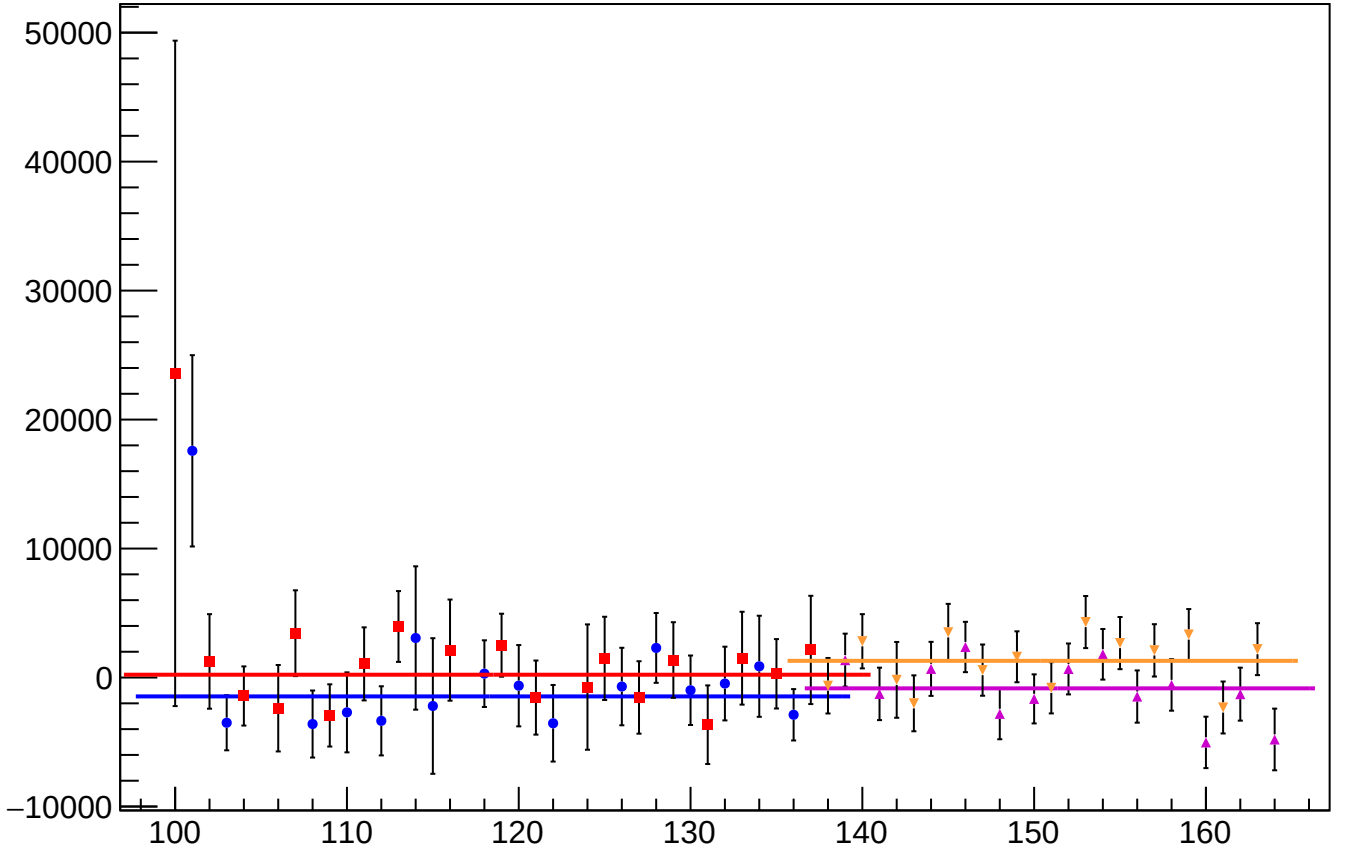
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3876.459+/-0.660 χ^2/NDF:1650066.9/28

Out: 3722.997+/-0.629 χ^2/NDF:1819048.3/32

All: 3796.090+/-0.455 χ^2/NDF: 3497459.9/61

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1295.623+/-557.031 χ^2/NDF:13.5/13

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -838.600+/-560.972 χ^2/NDF:15.3/12

Left: 236.036+/-395.266 χ^2/NDF: 36.1/26

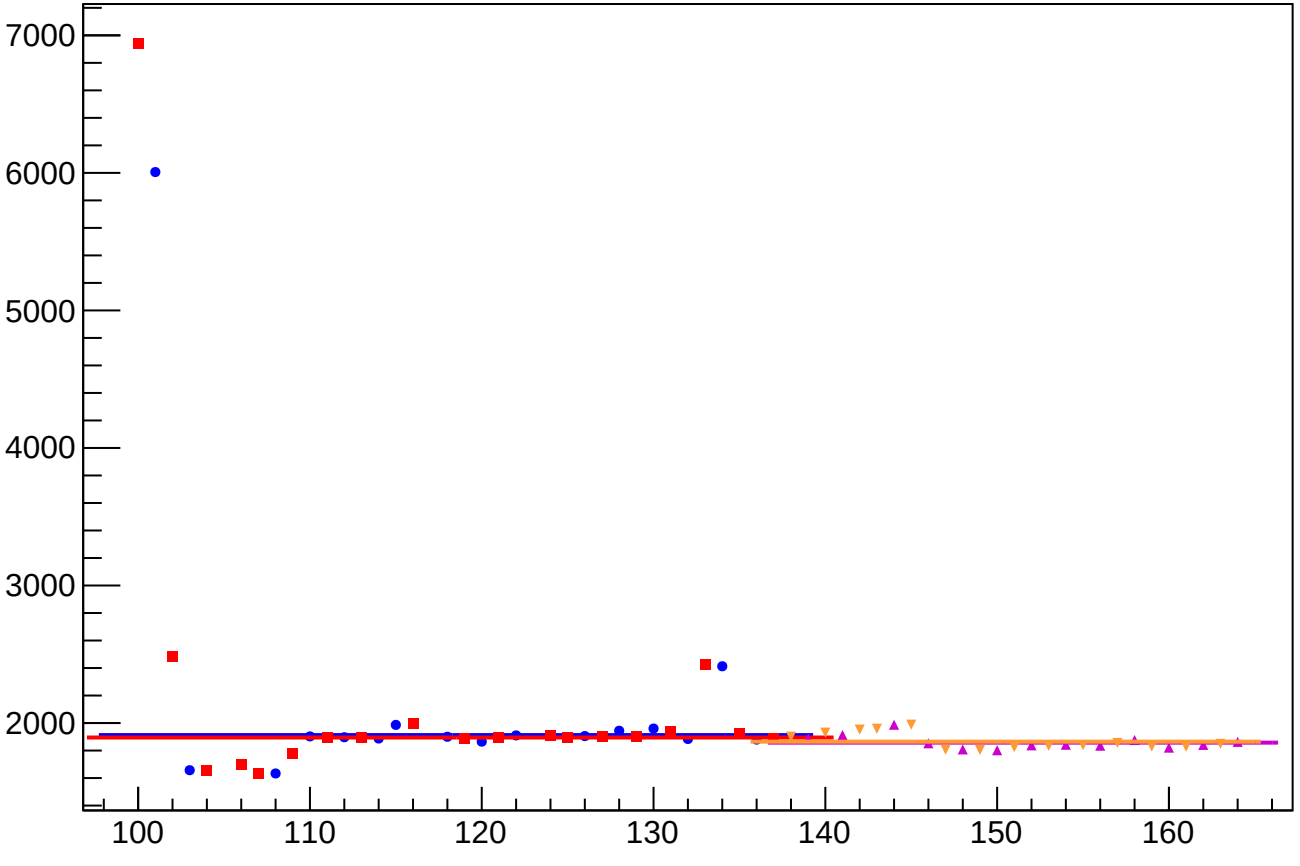
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -1070.981+/-444.415 χ^2/NDF:29.3/28

Out: 884.880+/-437.981 χ^2/NDF:25.7/32

All: -78.788+/-311.949 χ^2/NDF: 64.9/61

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1864.604+/-0.394 χ^2/NDF:20906.1/13

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.479+/-0.397 χ^2/NDF:14162.7/12

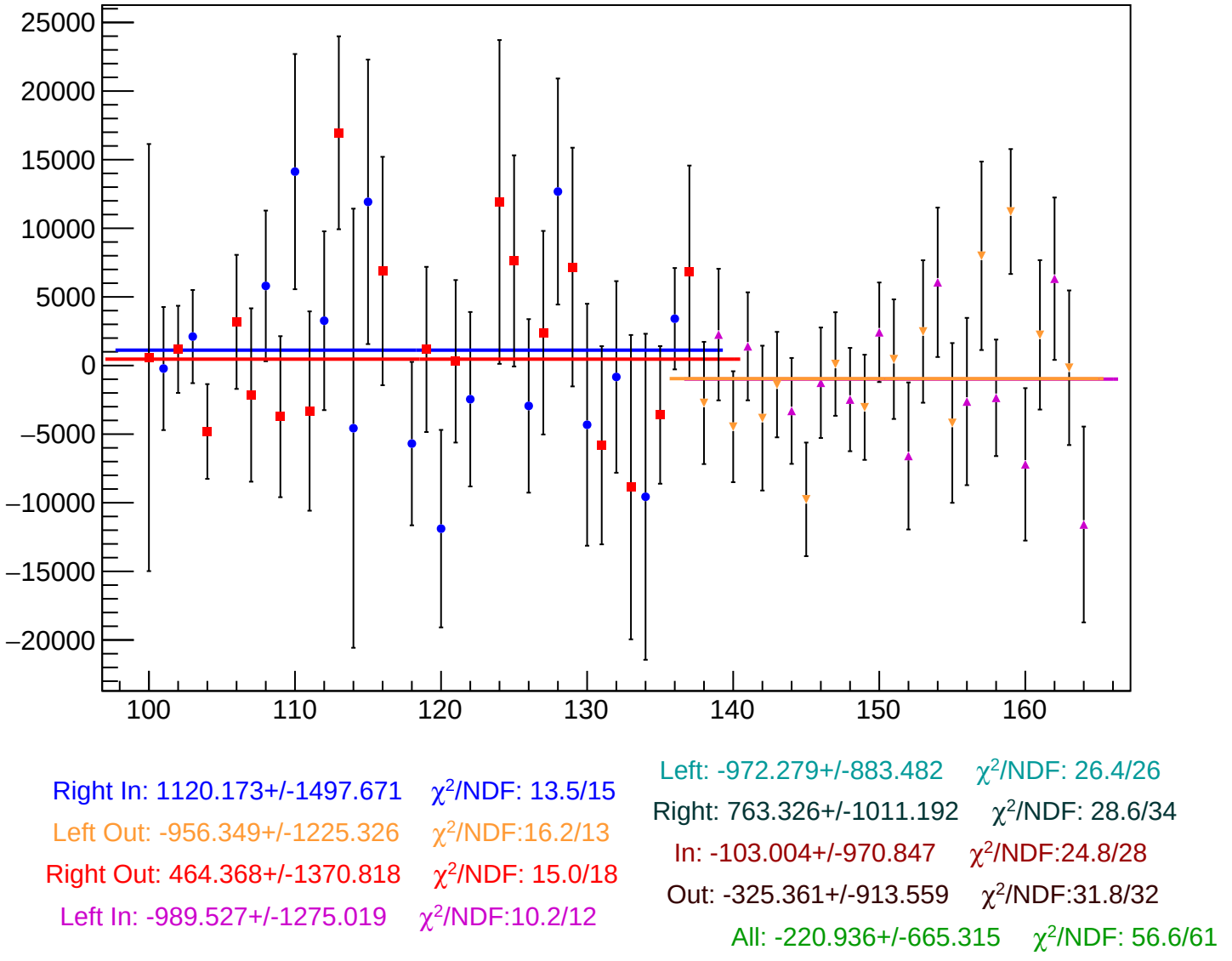
Left: 1861.067+/-0.279 χ^2/NDF: 35231.2/26

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

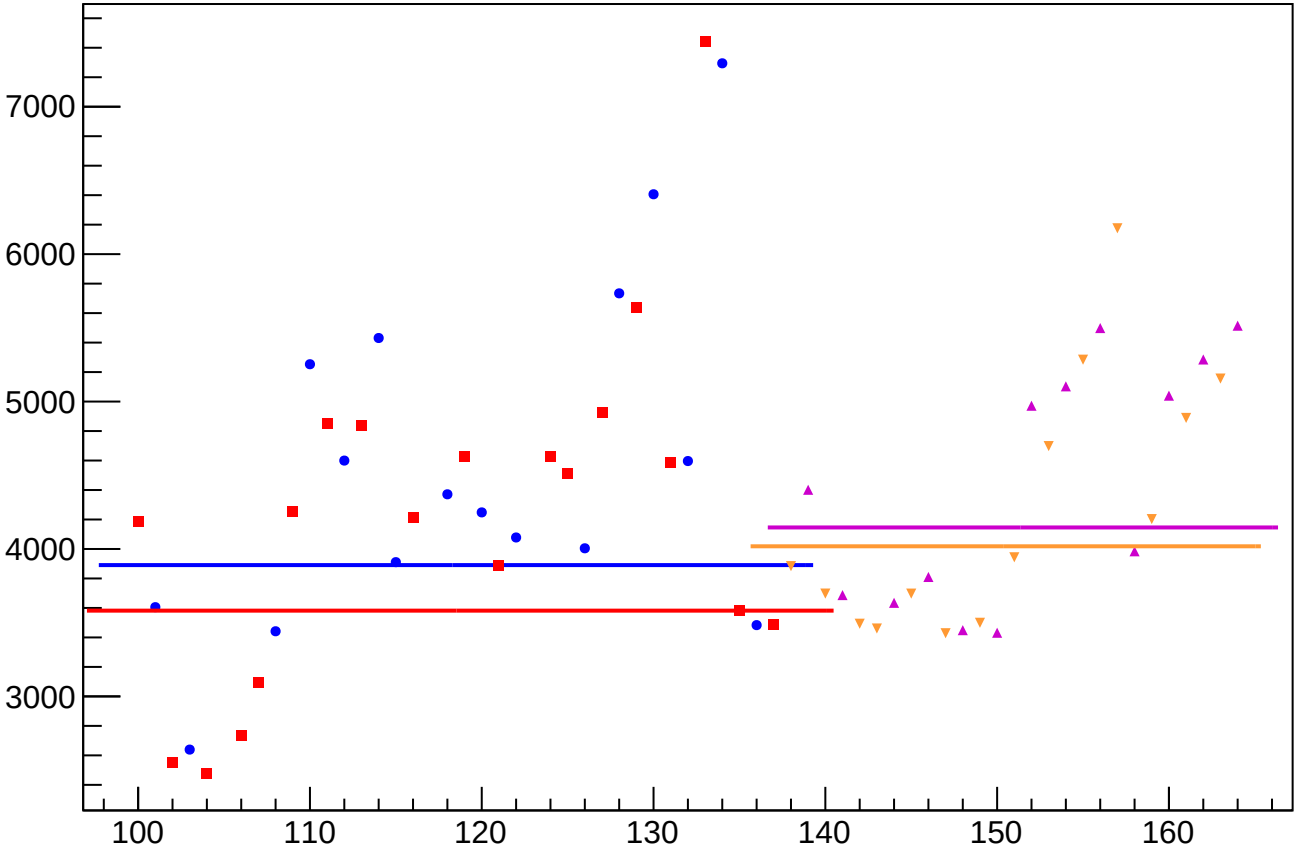
In: 1877.923+/-0.314 χ^2/NDF:717515.9/28

Out: 1876.134+/-0.310 χ^2/NDF:242929.0/32

All: 1877.015+/-0.221 χ^2/NDF: 960461.3/61


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
160
Right In: 1120.173+/-1497.671 χ²/NDF: 13.5/15
Left Out: -956.349+/-1225.326 χ²/NDF:16.2/13
Right Out: 464.368+/-1370.818 χ²/NDF: 15.0/18
Left In: -989.527+/-1275.019 χ²/NDF:10.2/12
Left: -972.279+/-883.482 χ²/NDF: 26.4/26
Right: 763.326+/-1011.192 χ²/NDF: 28.6/34
In: -103.004+/-970.847 χ²/NDF:24.8/28
Out: -325.361+/-913.559 χ²/NDF:31.8/32
All: -220.936+/-665.315 χ²/NDF: 56.6/61

asym_atr_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4018.195+/-0.866 χ^2/NDF:636764.6/13

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4146.028+/-0.902 χ^2/NDF:638258.6/12

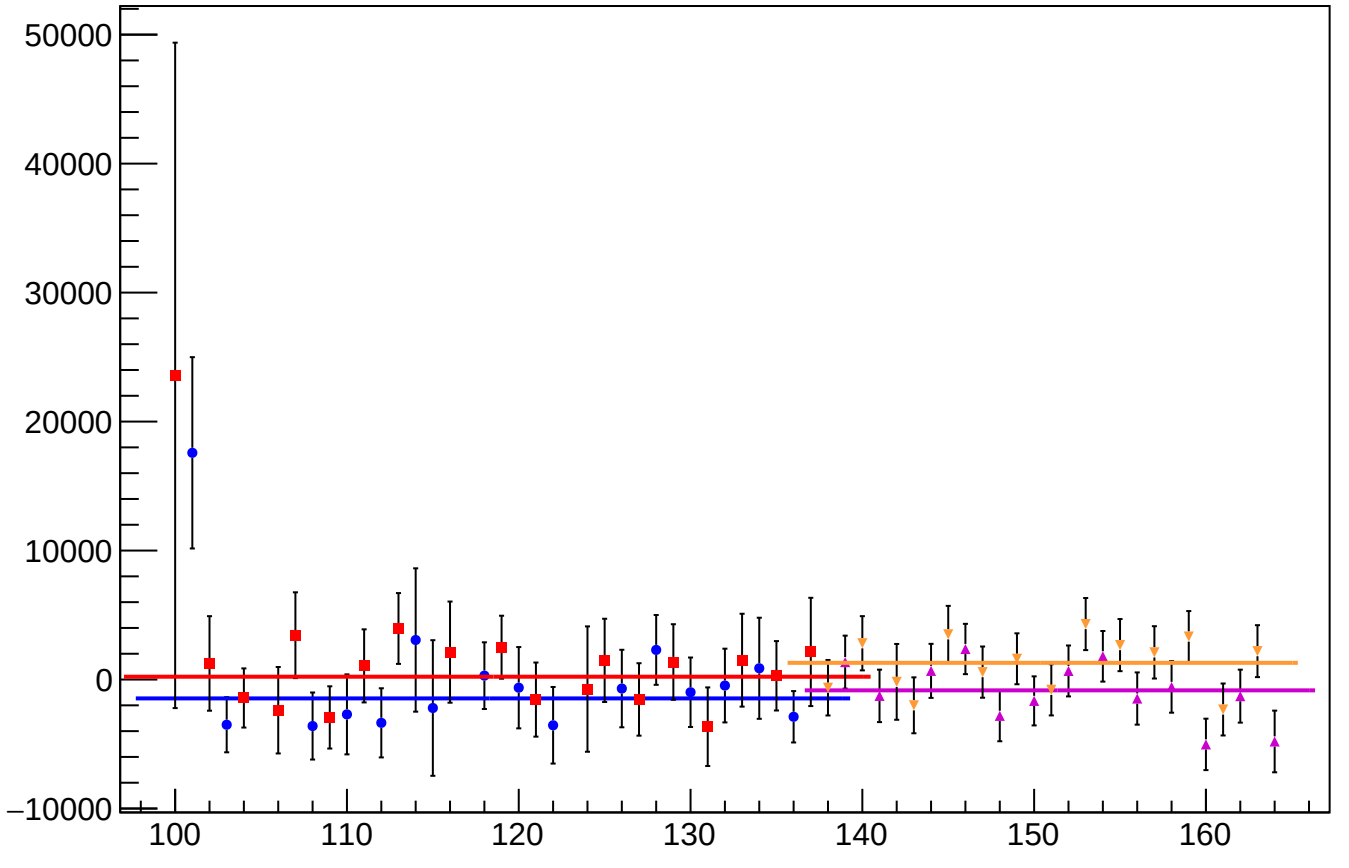
Left: 4079.572+/-0.625 χ^2/NDF: 1285474.6/26

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4038.739+/-0.686 χ^2/NDF:1550377.2/28

Out: 3824.368+/-0.646 χ^2/NDF:1971297.7/32

All: 3925.043+/-0.470 χ^2/NDF: 3573392.8/61



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1295.634+/-557.031 χ^2/NDF:13.5/13

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -838.601+/-560.972 χ^2/NDF:15.3/12

Left: 236.040+/-395.266 χ^2/NDF: 36.1/26

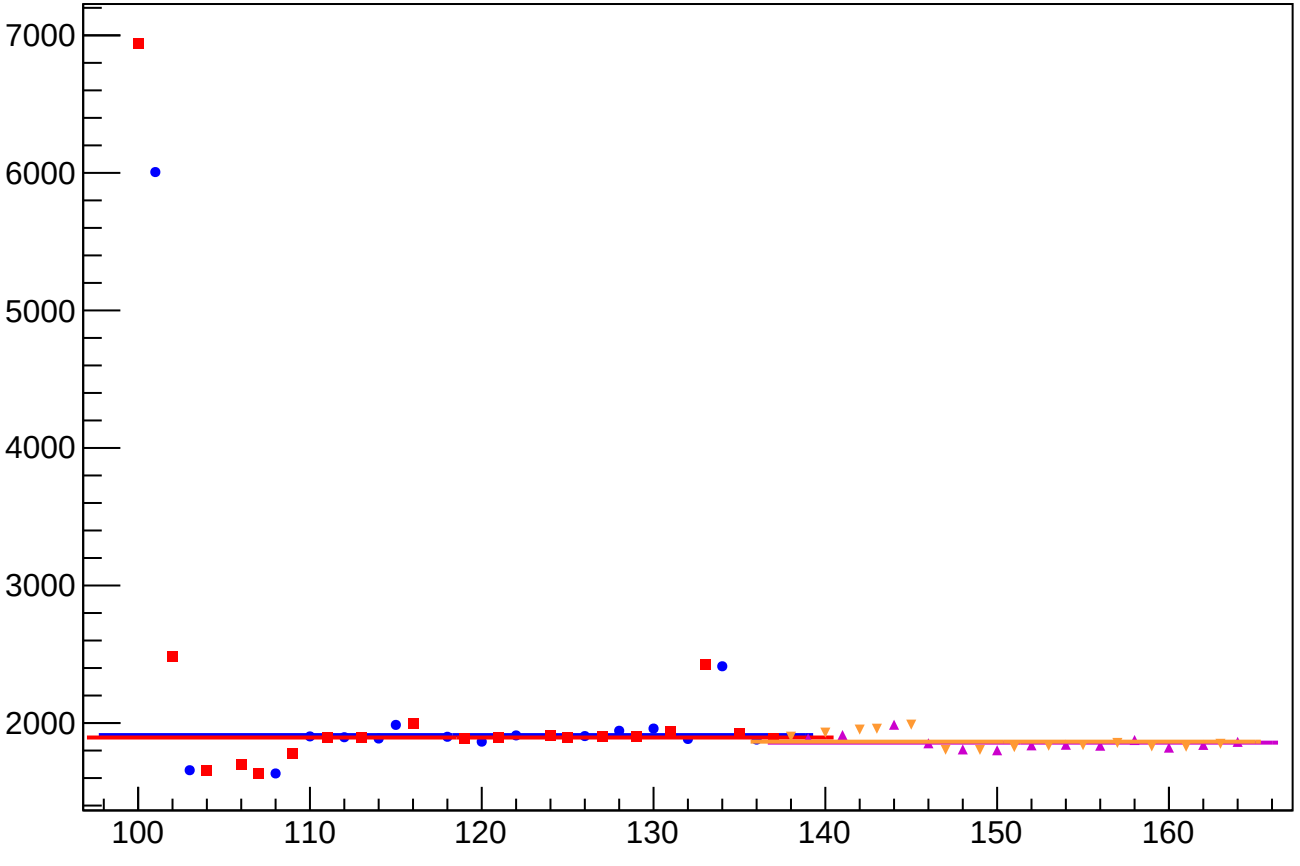
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -1070.984+/-444.415 χ^2/NDF:29.3/28

Out: 884.885+/-437.981 χ^2/NDF:25.7/32

All: -78.788+/-311.949 χ^2/NDF: 64.9/61

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1864.605+/-0.394 χ^2/NDF:20906.0/13

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.480+/-0.397 χ^2/NDF:14162.6/12

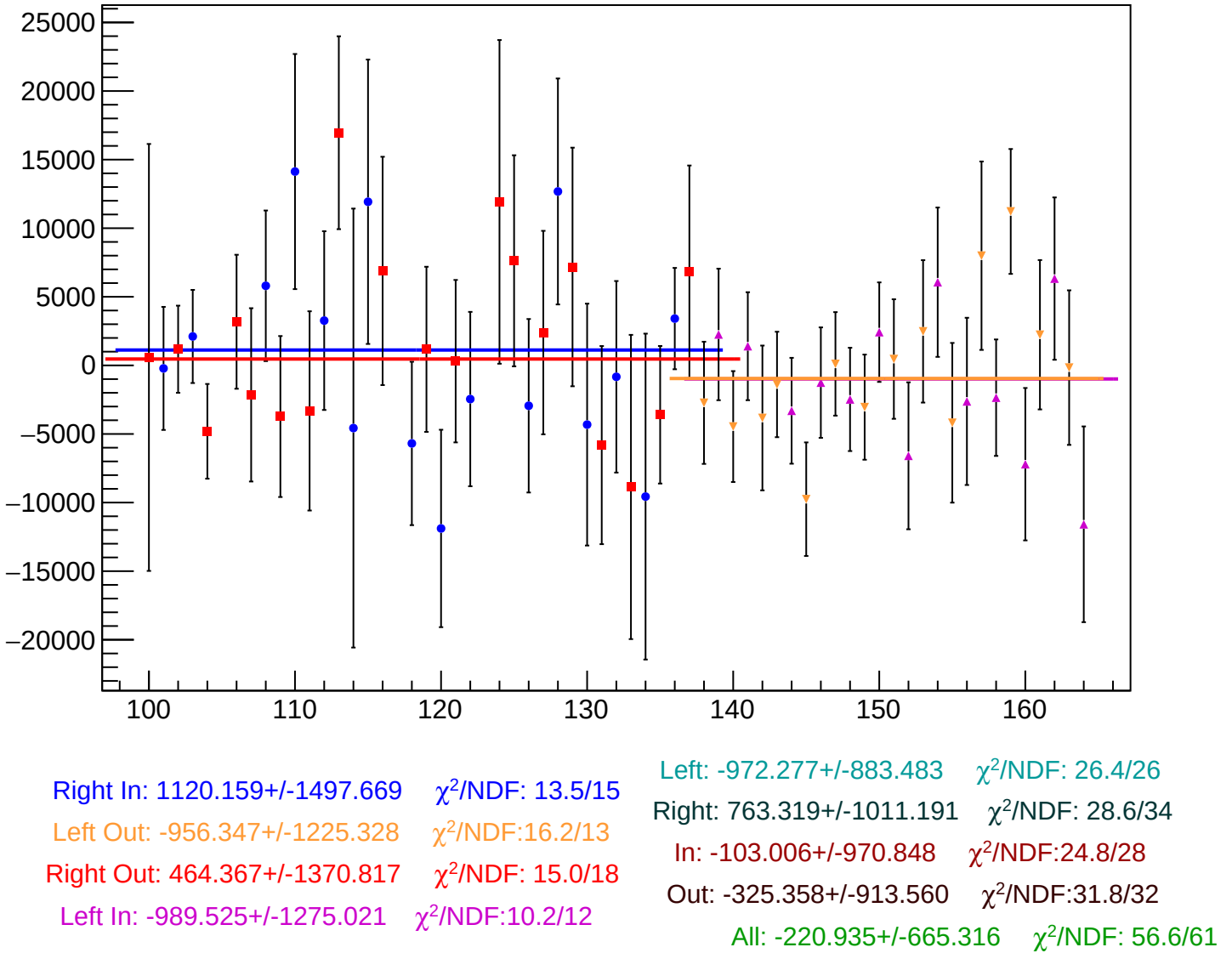
Left: 1861.068+/-0.279 χ^2/NDF: 35231.1/26

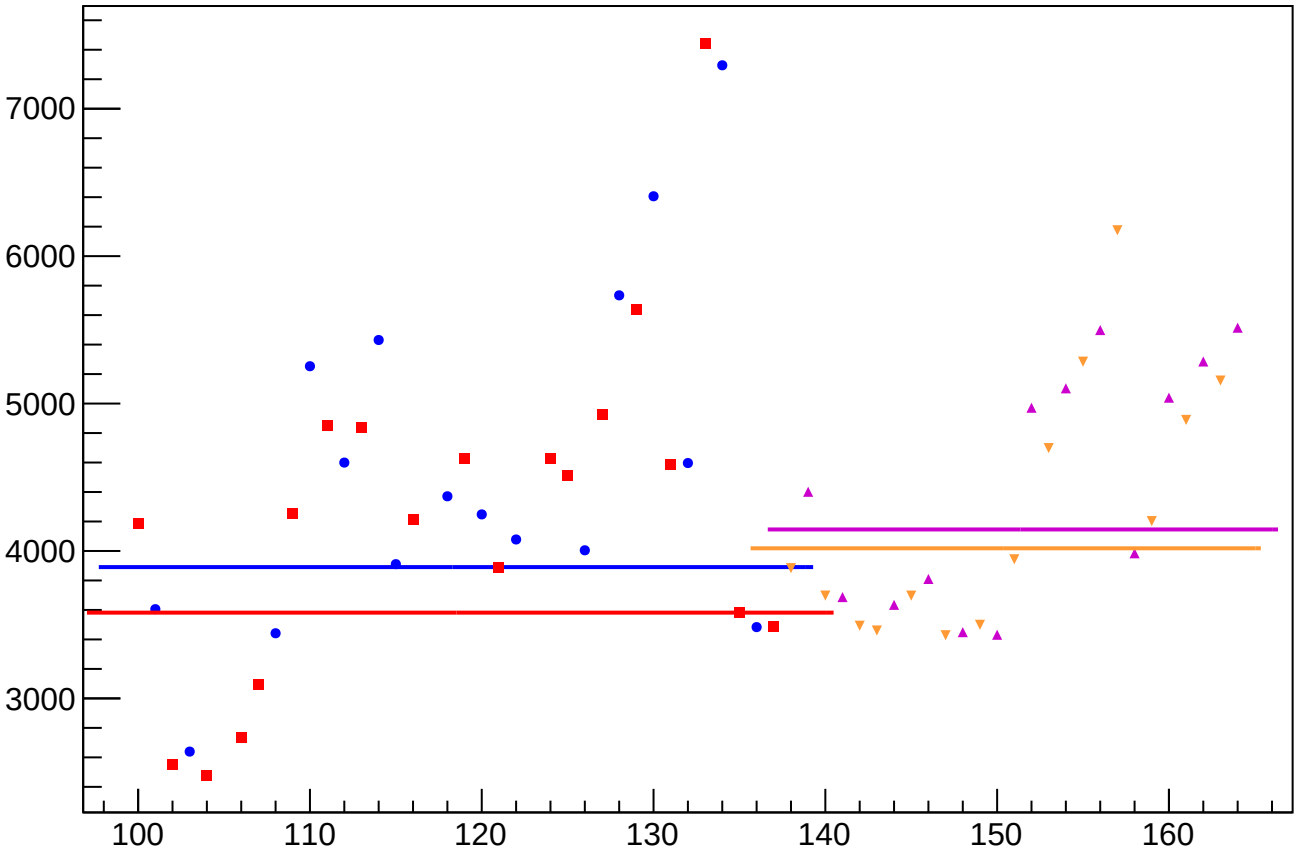
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1877.923+/-0.314 χ^2/NDF:717515.4/28

Out: 1876.134+/-0.310 χ^2/NDF:242928.8/32

All: 1877.015+/-0.221 χ^2/NDF: 960460.6/61


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1120.159+/-1497.669 χ²/NDF: 13.5/15
Left Out: -956.347+/-1225.328 χ²/NDF:16.2/13
Right Out: 464.367+/-1370.817 χ²/NDF: 15.0/18
Left In: -989.525+/-1275.021 χ²/NDF:10.2/12
Left: -972.277+/-883.483 χ²/NDF: 26.4/26
Right: 763.319+/-1011.191 χ²/NDF: 28.6/34
In: -103.006+/-970.848 χ²/NDF:24.8/28
Out: -325.358+/-913.560 χ²/NDF:31.8/32
All: -220.935+/-665.316 χ²/NDF: 56.6/61



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4018.201+/-0.866 χ^2/NDF:636765.2/13

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4146.034+/-0.902 χ^2/NDF:638259.9/12

Left: 4079.578+/-0.625 χ^2/NDF: 1285476.5/26

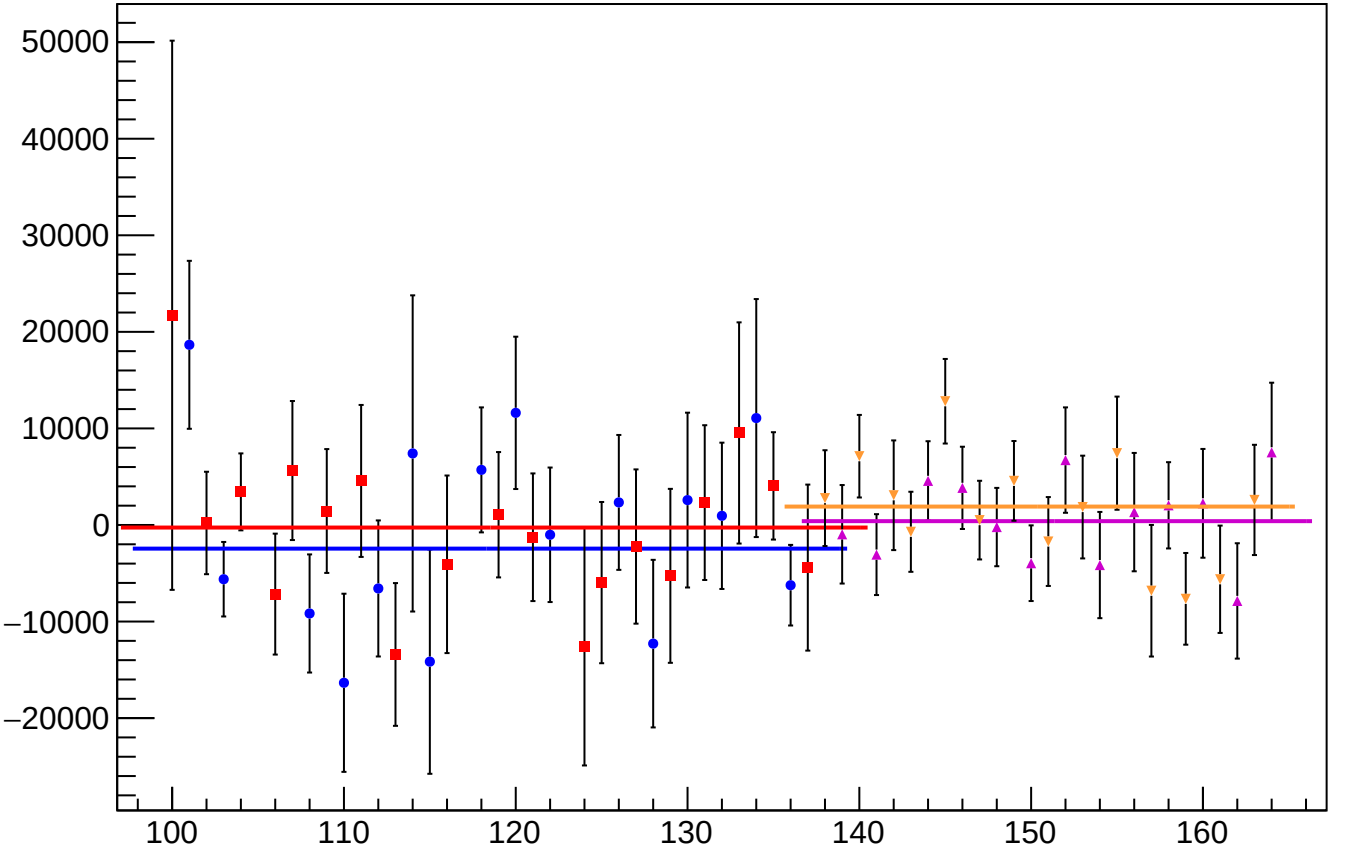
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4038.741+/-0.686 χ^2/NDF:1550371.8/28

Out: 3824.370+/-0.646 χ^2/NDF:1971294.4/32

All: 3925.044+/-0.470 χ^2/NDF: 3573384.4/61

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1906.290+/-1295.053 χ^2/NDF:17.7/13

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 396.136+/-1338.753 χ^2/NDF:8.9/12

Left: 1176.263+/-930.806 χ^2/NDF: 27.3/26

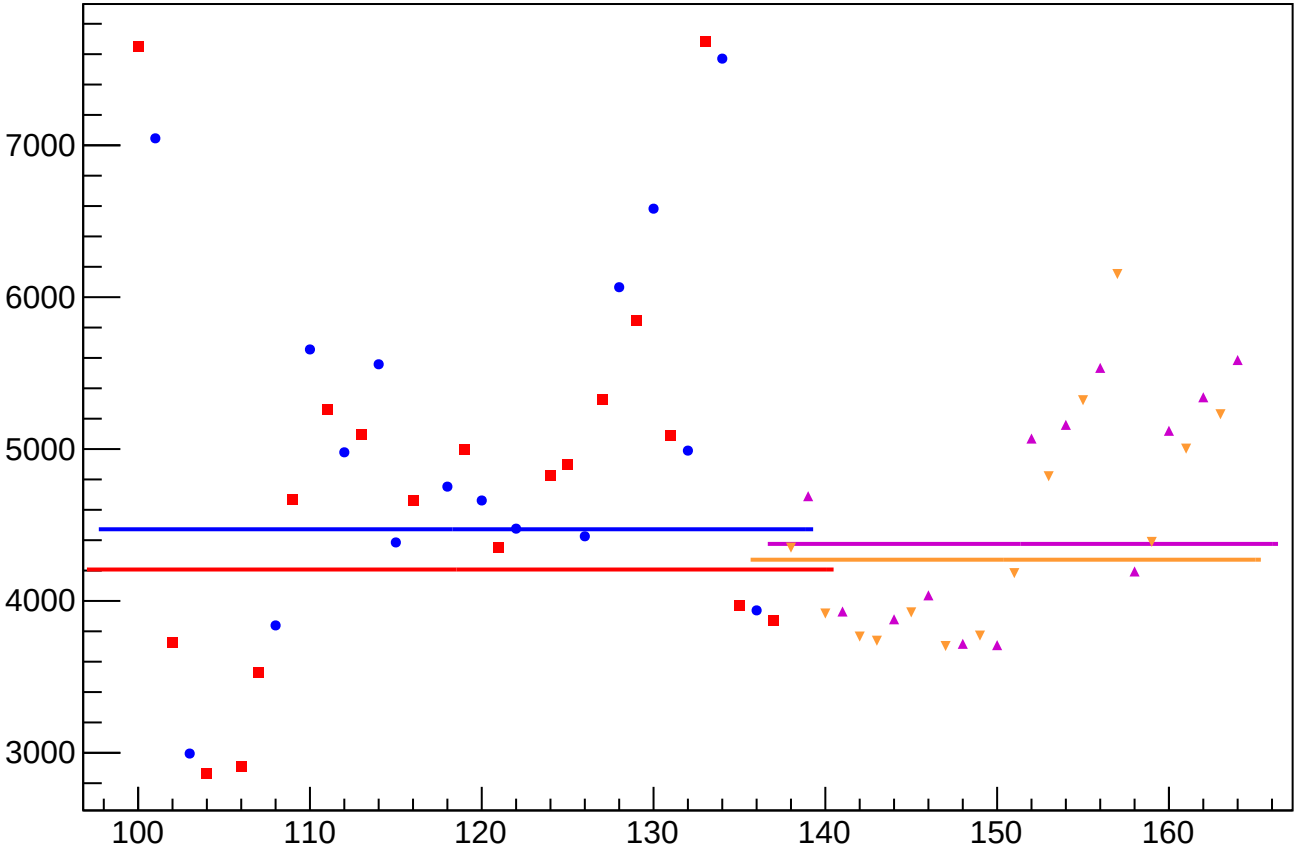
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -677.195+/-1056.386 χ^2/NDF:31.4/28

Out: 1061.008+/-1012.181 χ^2/NDF:29.5/32

All: 229.035+/-730.848 χ^2/NDF: 62.4/61

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4271.543+/-0.916 χ^2/NDF:474803.9/13

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4375.557+/-0.947 χ^2/NDF:473848.2/12

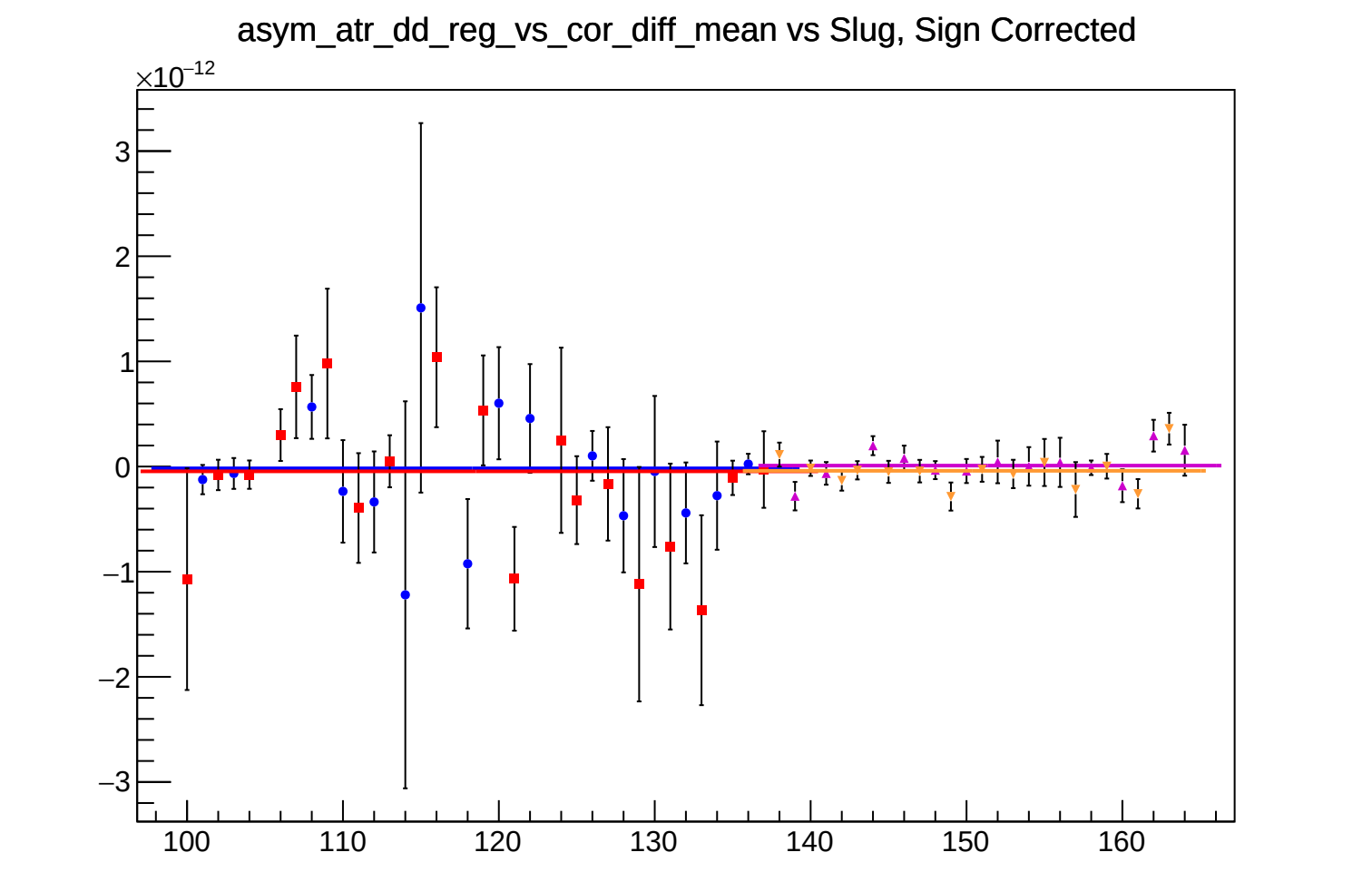
Left: 4321.824+/-0.658 χ^2/NDF: 954888.9/26

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4411.913+/-0.747 χ^2/NDF:1369435.5/28

Out: 4246.138+/-0.713 χ^2/NDF:1323287.3/32

All: 4325.220+/-0.516 χ^2/NDF: 2718479.6/61



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/12

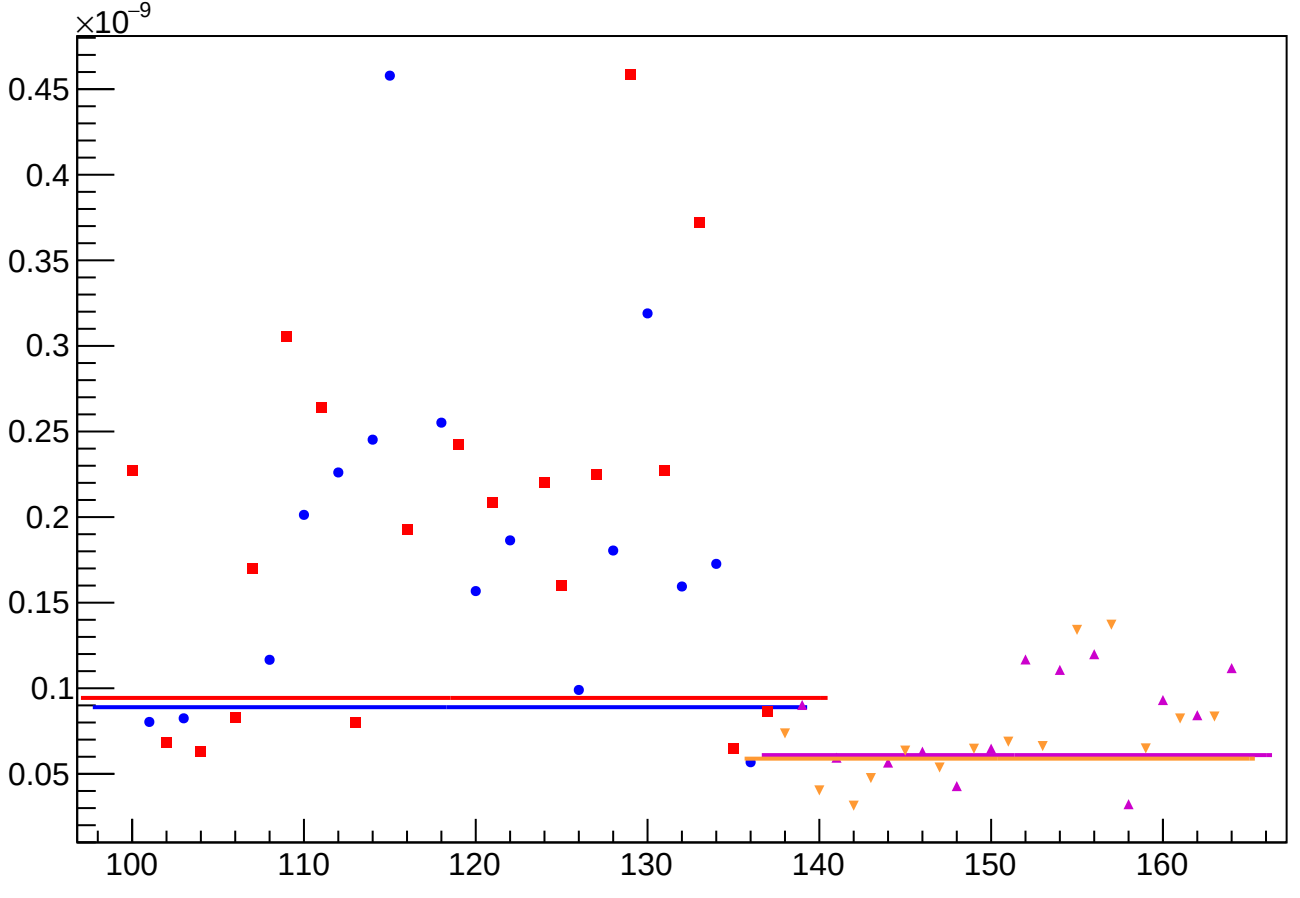
Left: -0.000+/-0.000 χ^2/NDF: 33.5/26

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:28.7/28

Out: -0.000+/-0.000 χ^2/NDF:37.7/32

All: -0.000+/-0.000 χ^2/NDF: 67.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:912310.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1183482.4/12

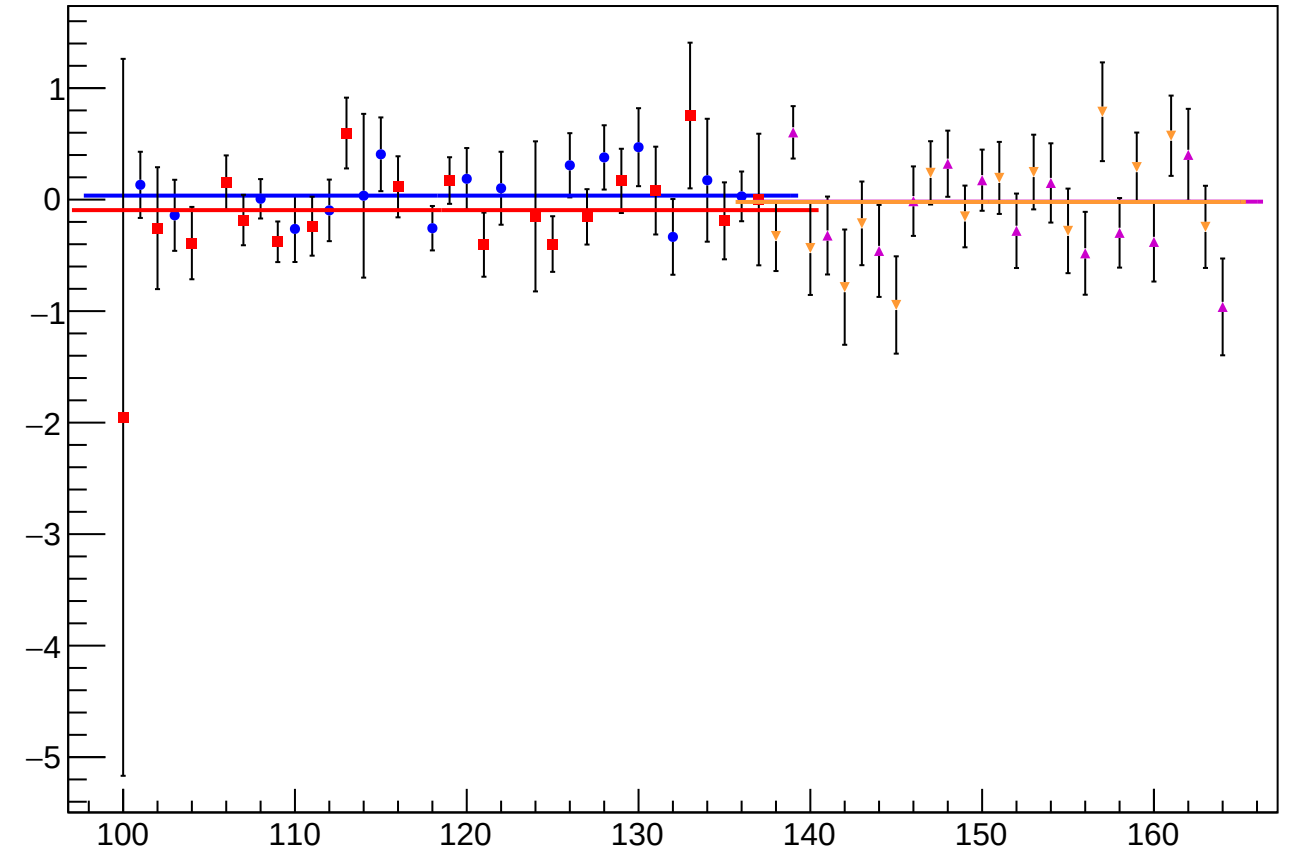
Left: 0.000+/-0.000 χ^2/NDF: 2100059.5/26

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:2736563.2/28

Out: 0.000+/-0.000 χ^2/NDF:3058826.6/32

All: 0.000+/-0.000 χ^2/NDF: 5801998.4/61



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.021+/-0.094 χ^2/NDF:18.9/13

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.018+/-0.091 χ^2/NDF:20.7/12

Left: -0.020+/-0.065 χ^2/NDF: 39.6/26

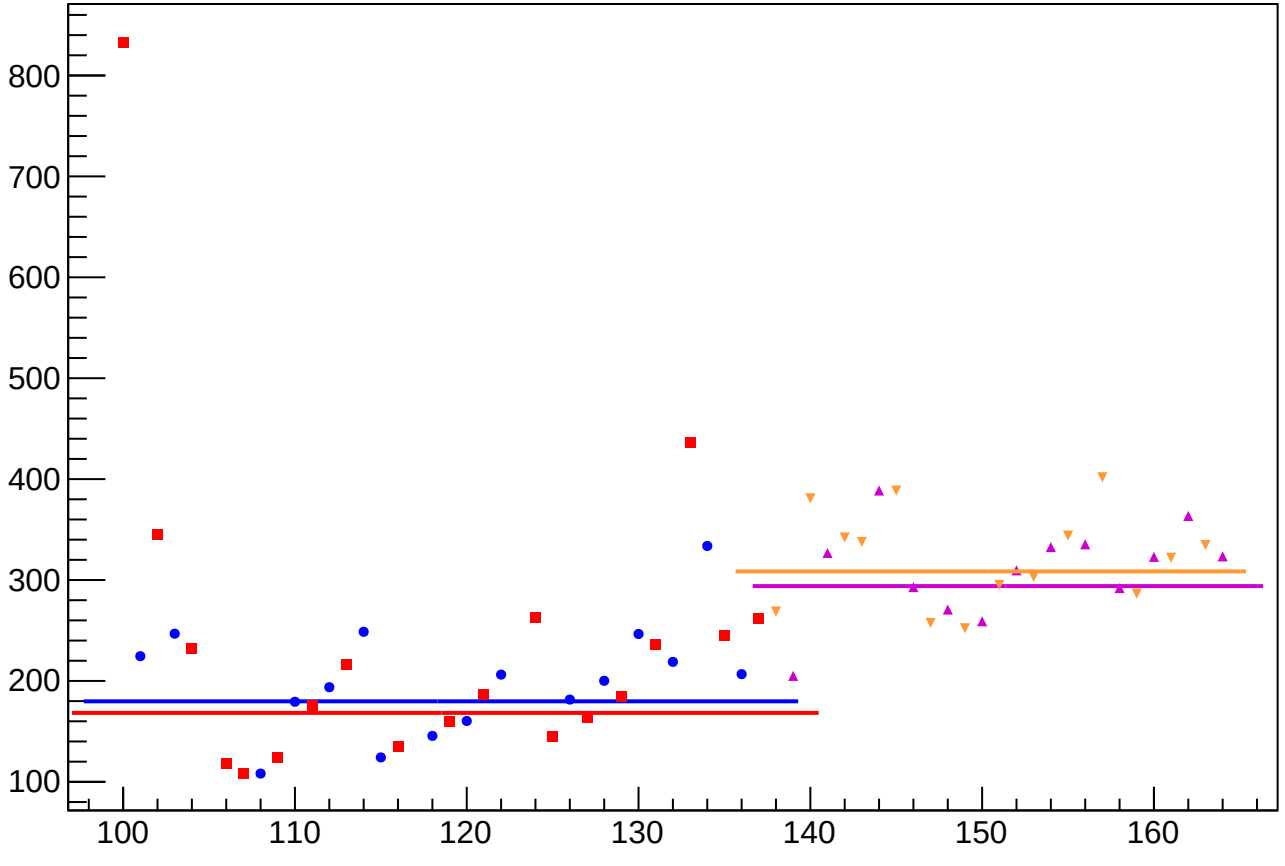
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.016+/-0.056 χ^2/NDF:31.4/28

Out: -0.069+/-0.055 χ^2/NDF:36.9/32

All: -0.027+/-0.039 χ^2/NDF: 69.5/61

asym_atr_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 308.559+/-0.066 χ^2/NDF:460227.2/13

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 293.960+/-0.064 χ^2/NDF:586588.1/12

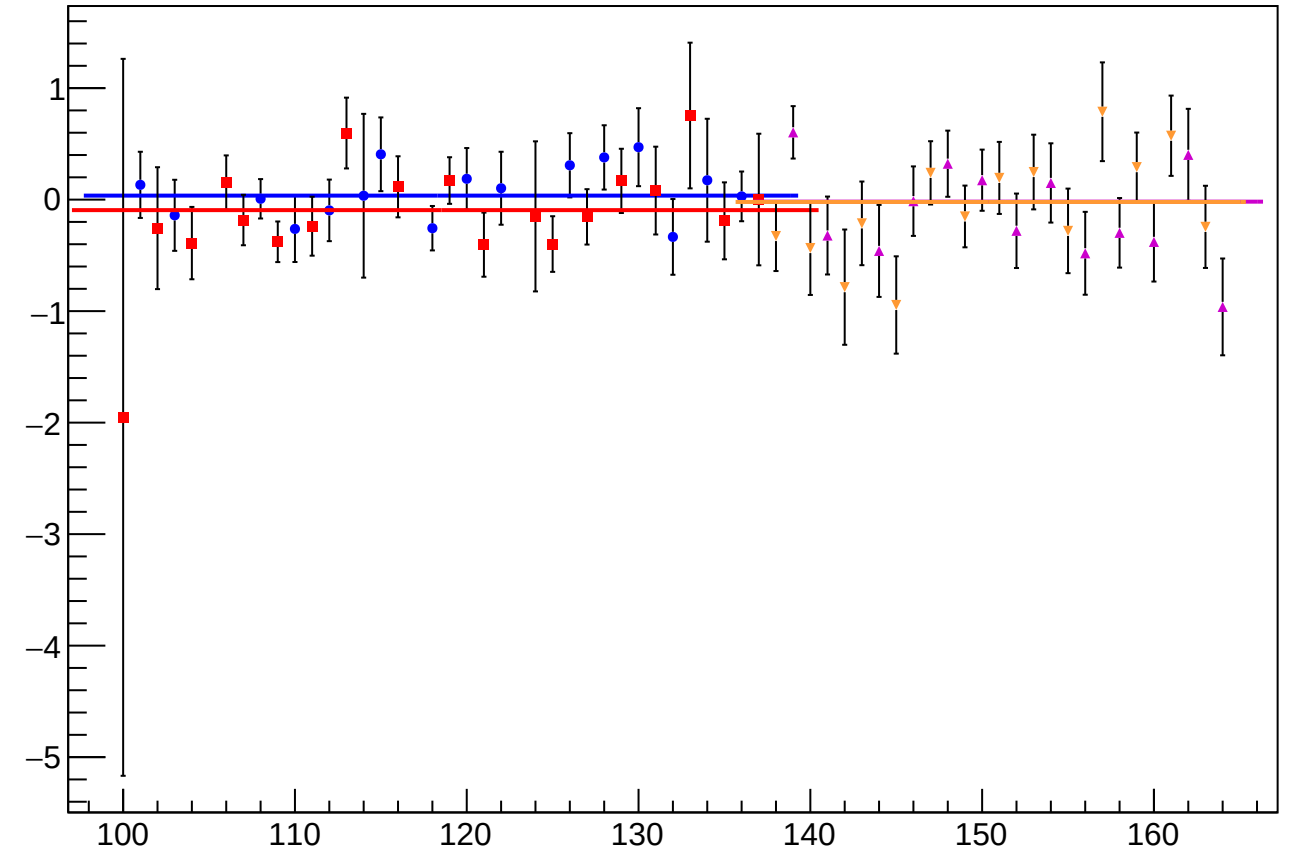
Left: 301.034+/-0.046 χ^2/NDF: 1071725.0/26

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 222.640+/-0.039 χ^2/NDF:3468908.1/28

Out: 216.221+/-0.039 χ^2/NDF:4805434.2/32

All: 219.378+/-0.028 χ^2/NDF: 8287797.1/61



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.021+/-0.094 χ^2/NDF:18.9/13

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.018+/-0.091 χ^2/NDF:20.7/12

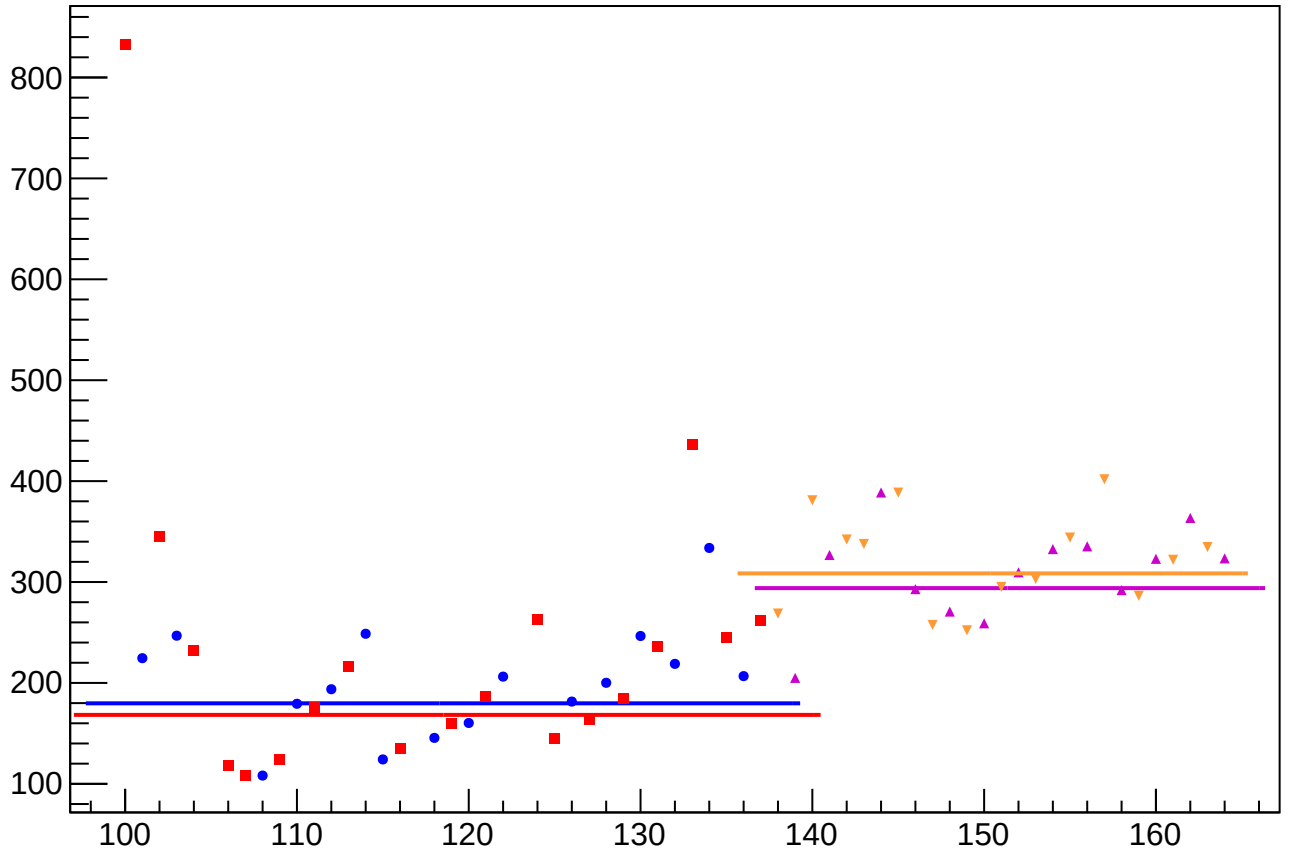
Left: -0.020+/-0.065 χ^2/NDF: 39.6/26

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.016+/-0.056 χ^2/NDF:31.4/28

Out: -0.069+/-0.055 χ^2/NDF:36.9/32

All: -0.027+/-0.039 χ^2/NDF: 69.5/61



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 308.559+/-0.066 χ^2/NDF:460227.2/13

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 293.960+/-0.064 χ^2/NDF:586588.1/12

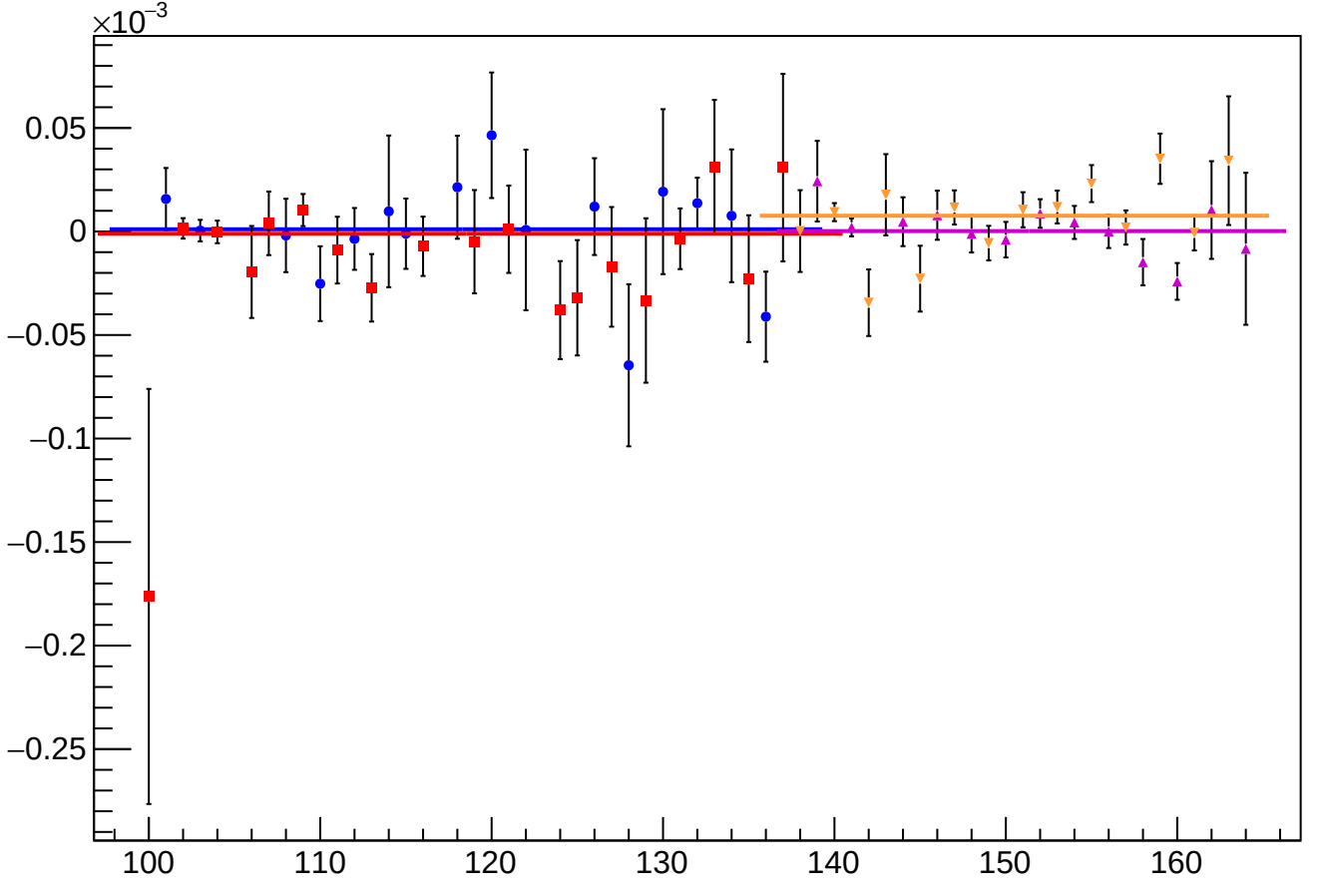
Left: 301.034+/-0.046 χ^2/NDF: 1071725.0/26

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 222.640+/-0.039 χ^2/NDF:3468908.1/28

Out: 216.221+/-0.039 χ^2/NDF:4805434.2/32

All: 219.378+/-0.028 χ^2/NDF: 8287797.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/12

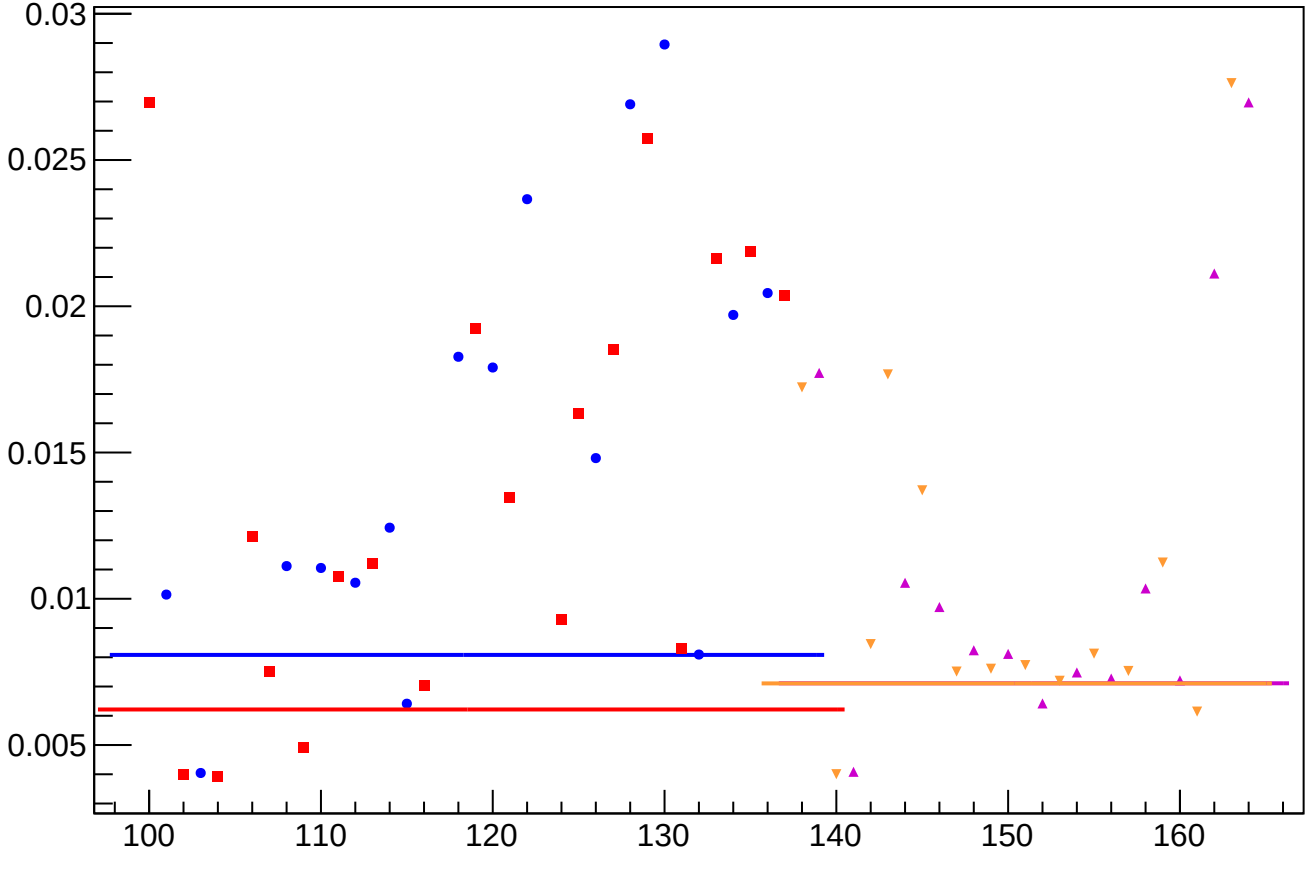
Left: 0.000+/-0.000 χ^2/NDF: 43.1/26

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:28.2/28

Out: 0.000+/-0.000 χ^2/NDF:46.0/32

All: 0.000+/-0.000 χ^2/NDF: 75.8/61



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:3657329.9/13

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:3369765.1/12

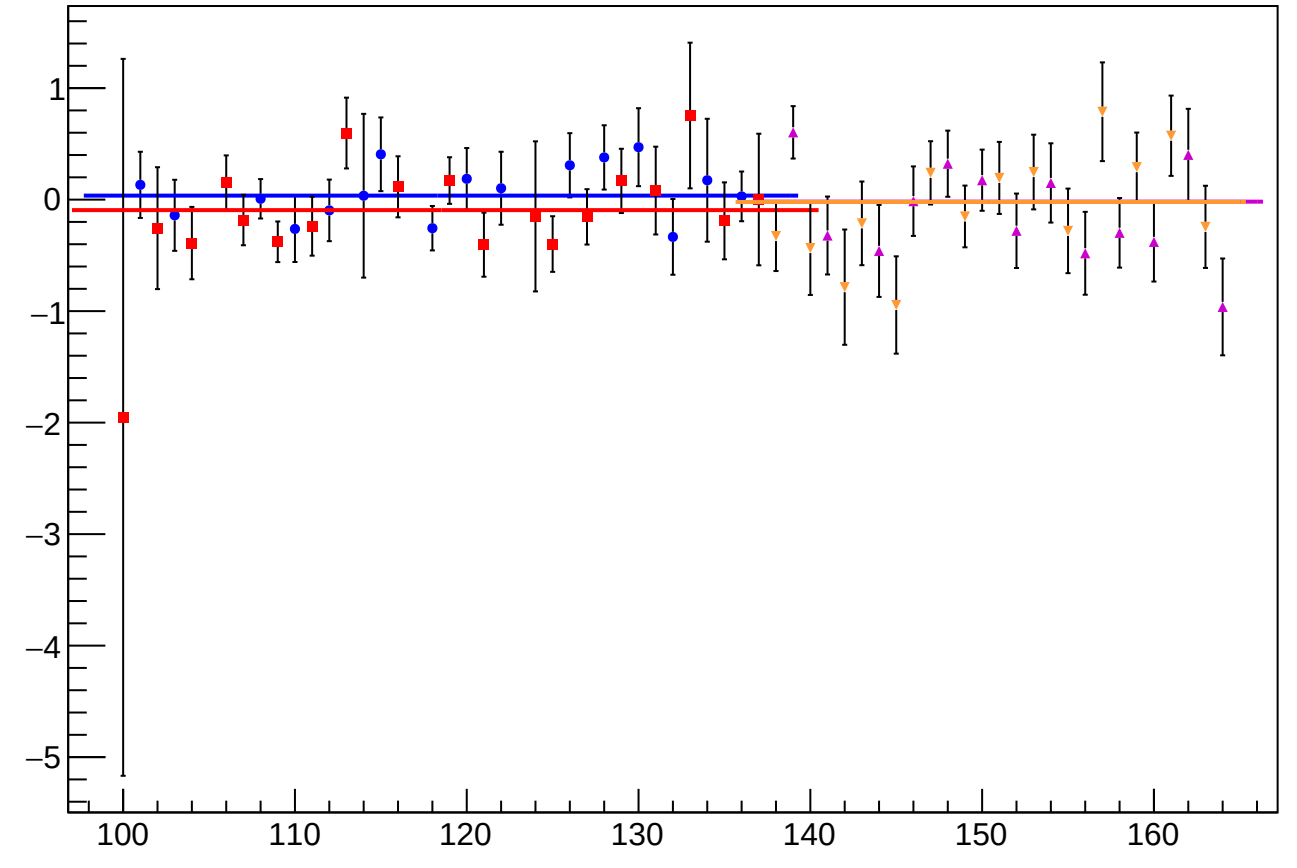
Left: 0.007+/-0.000 χ^2/NDF: 7027097.5/26

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:7879147.7/28

Out: 0.007+/-0.000 χ^2/NDF:8334334.4/32

All: 0.007+/-0.000 χ^2/NDF: 16333492.8/61



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.021+/-0.094 χ^2/NDF:18.9/13

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.018+/-0.091 χ^2/NDF:20.7/12

Left: -0.020+/-0.065 χ^2/NDF: 39.6/26

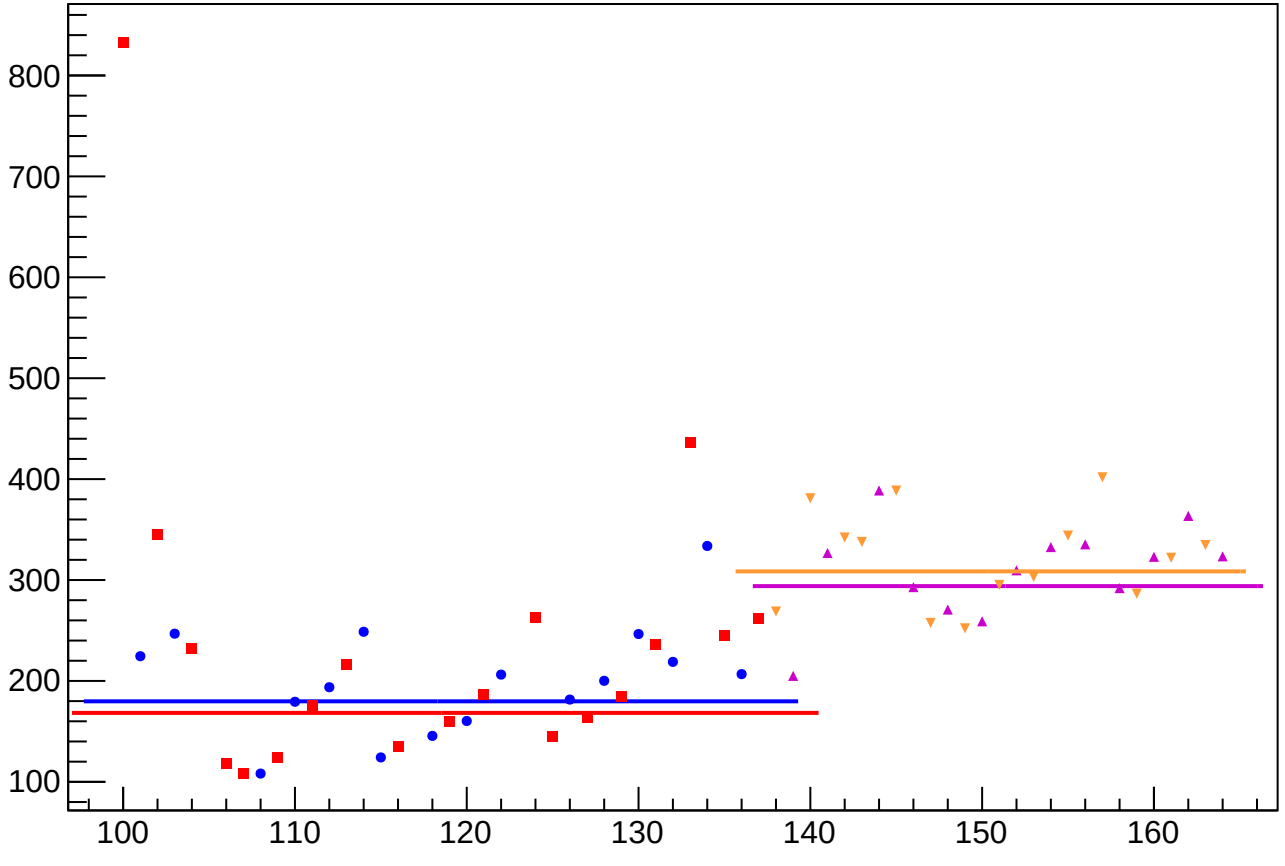
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.016+/-0.056 χ^2/NDF:31.4/28

Out: -0.069+/-0.055 χ^2/NDF:36.9/32

All: -0.027+/-0.039 χ^2/NDF: 69.5/61

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 308.564+/-0.066 χ^2/NDF:460211.7/13

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 293.964+/-0.064 χ^2/NDF:586574.2/12

Left: 301.039+/-0.046 χ^2/NDF: 1071696.2/26

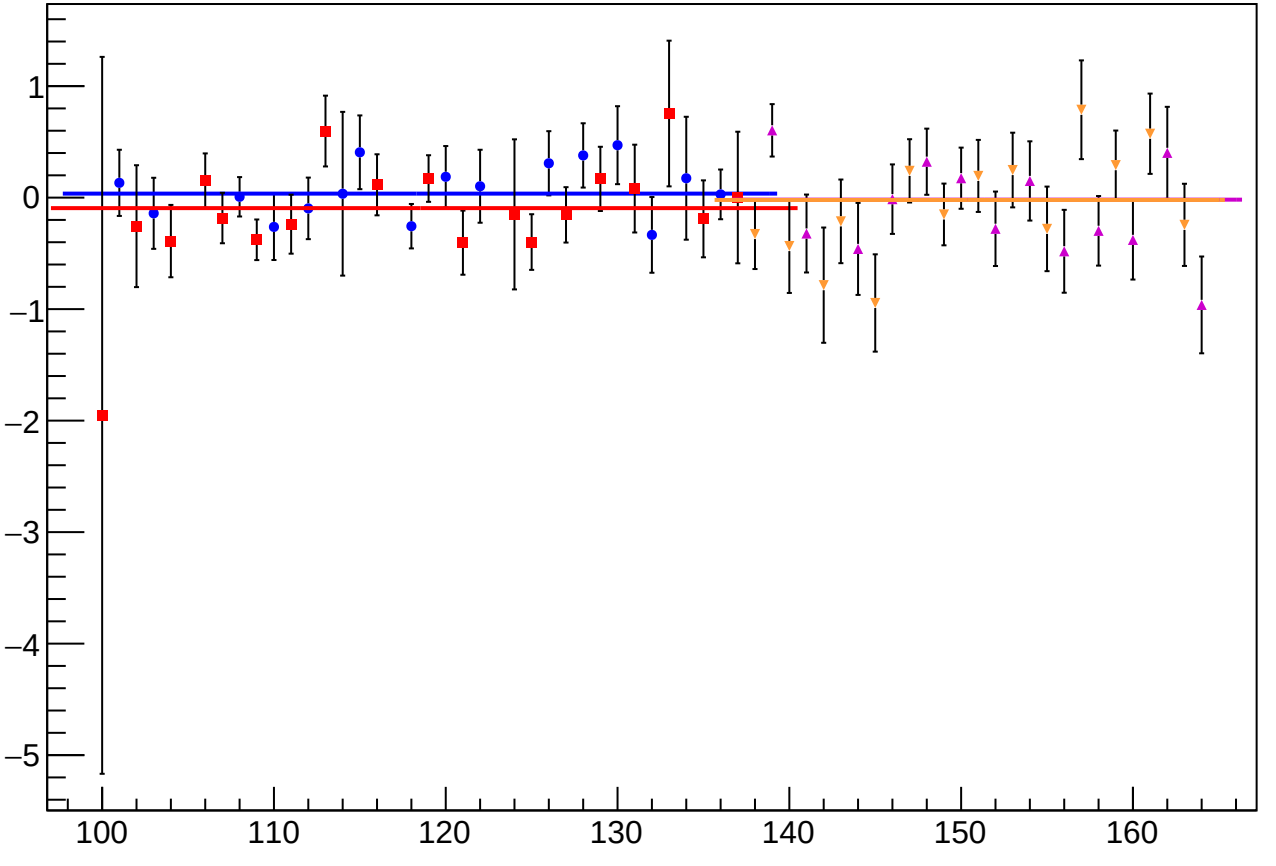
Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 222.639+/-0.039 χ^2/NDF:3469171.6/28

Out: 216.222+/-0.039 χ^2/NDF:4805577.7/32

All: 219.378+/-0.028 χ^2/NDF: 8288196.0/61

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.021+/-0.094 χ^2/NDF:18.9/13

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: -0.018+/-0.091 χ^2/NDF:20.7/12

Left: -0.020+/-0.065 χ^2/NDF: 39.6/26

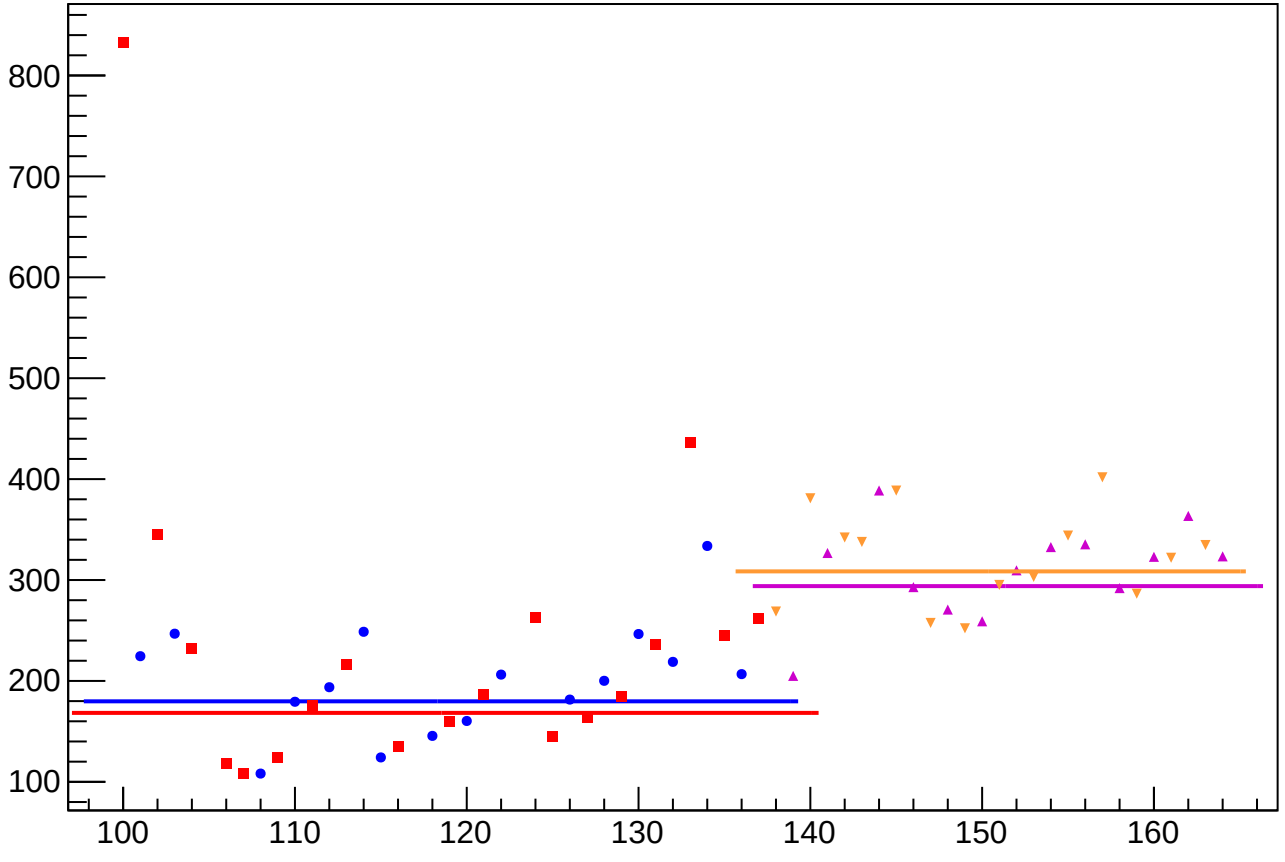
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.016+/-0.056 χ^2/NDF:31.4/28

Out: -0.069+/-0.055 χ^2/NDF:36.9/32

All: -0.027+/-0.039 χ^2/NDF: 69.5/61

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: 308.564+/-0.066 χ^2/NDF:460211.7/13

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 293.964+/-0.064 χ^2/NDF:586574.2/12

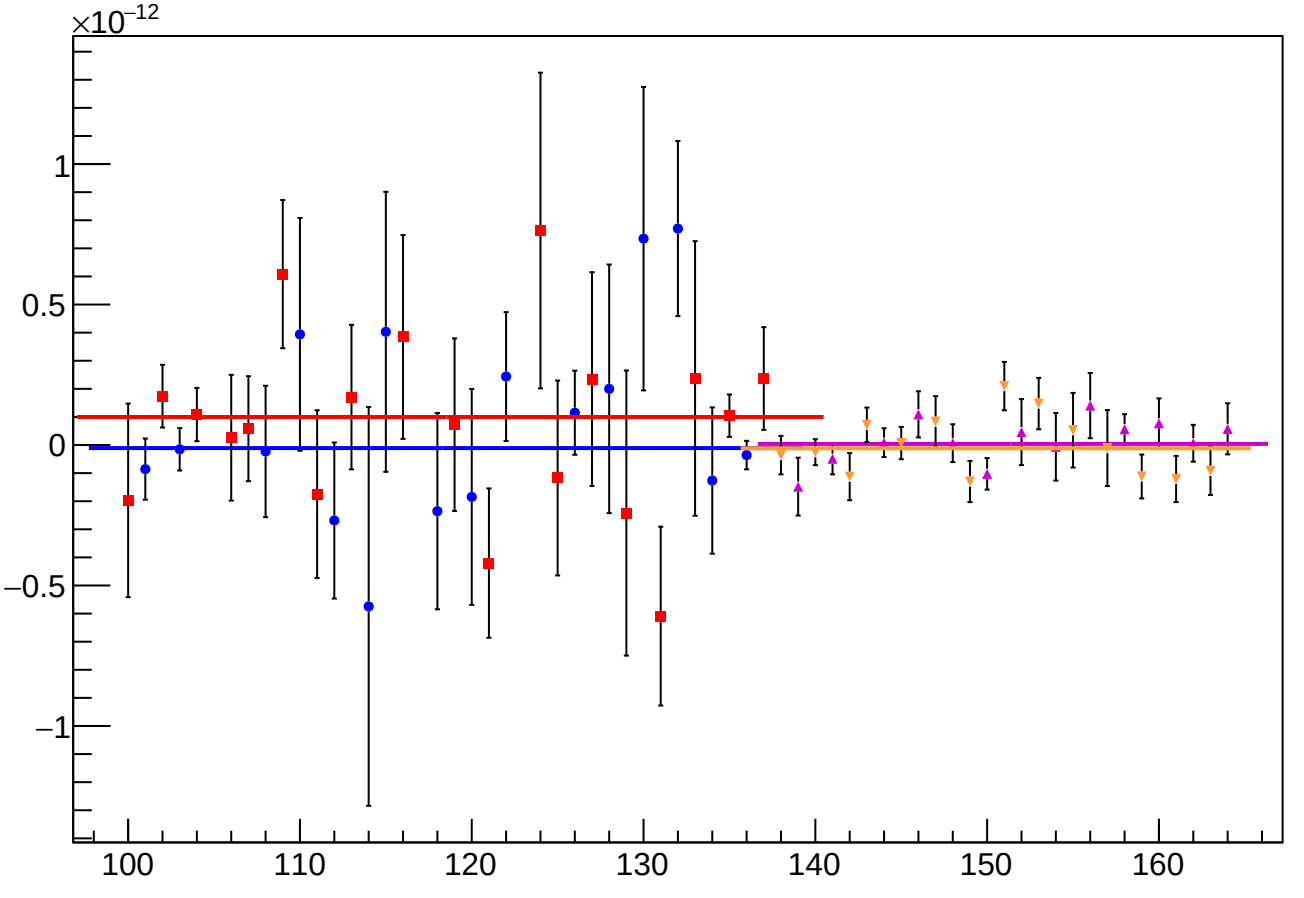
Left: 301.039+/-0.046 χ^2/NDF: 1071696.2/26

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 222.639+/-0.039 χ^2/NDF:3469171.6/28

Out: 216.222+/-0.039 χ^2/NDF:4805577.7/32

All: 219.378+/-0.028 χ^2/NDF: 8288196.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/12

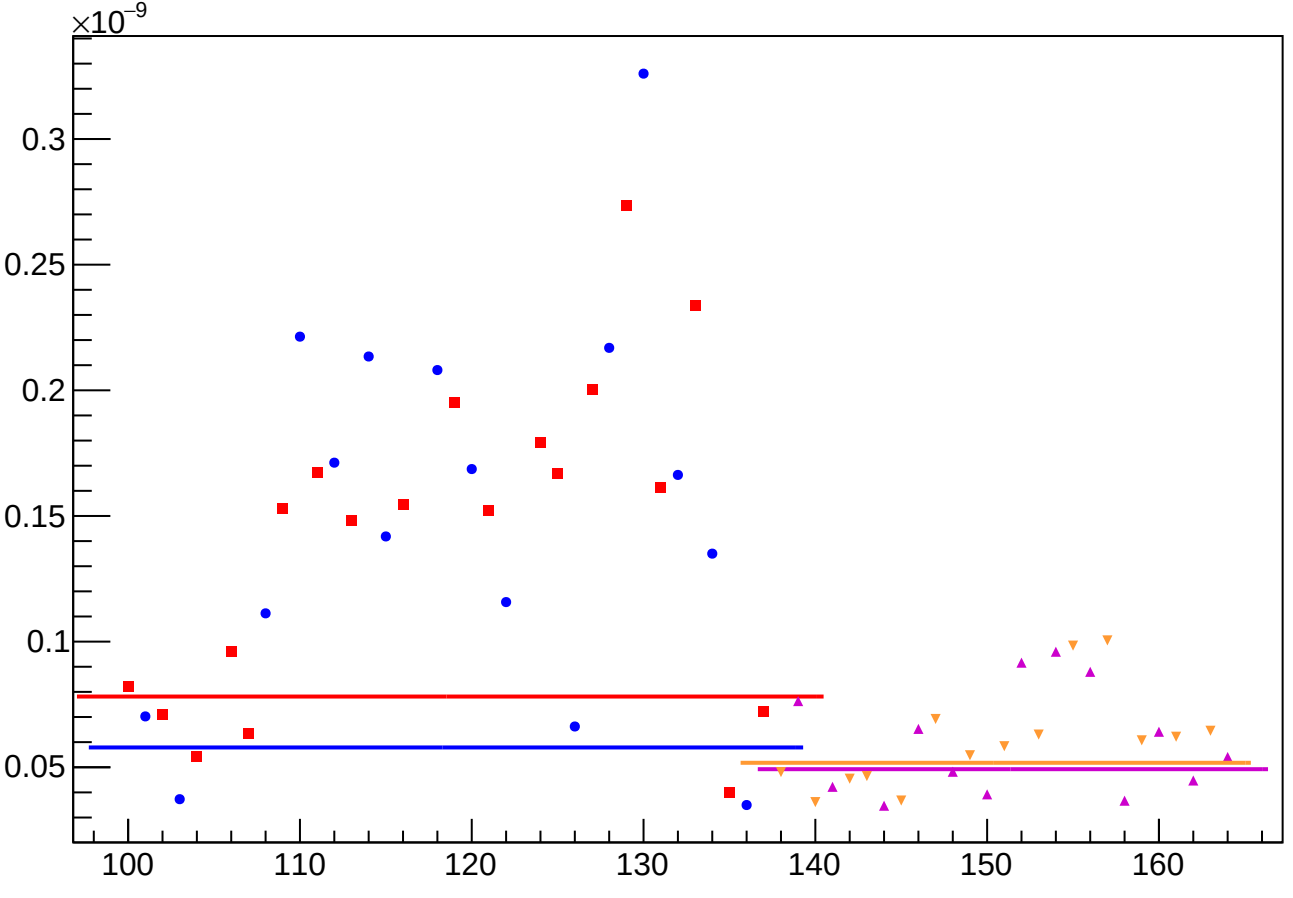
Left: -0.000+/-0.000 χ^2/NDF: 33.7/26

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:27.0/28

Out: 0.000+/-0.000 χ^2/NDF:45.6/32

All: 0.000+/-0.000 χ^2/NDF: 72.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1124859.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1437979.0/12

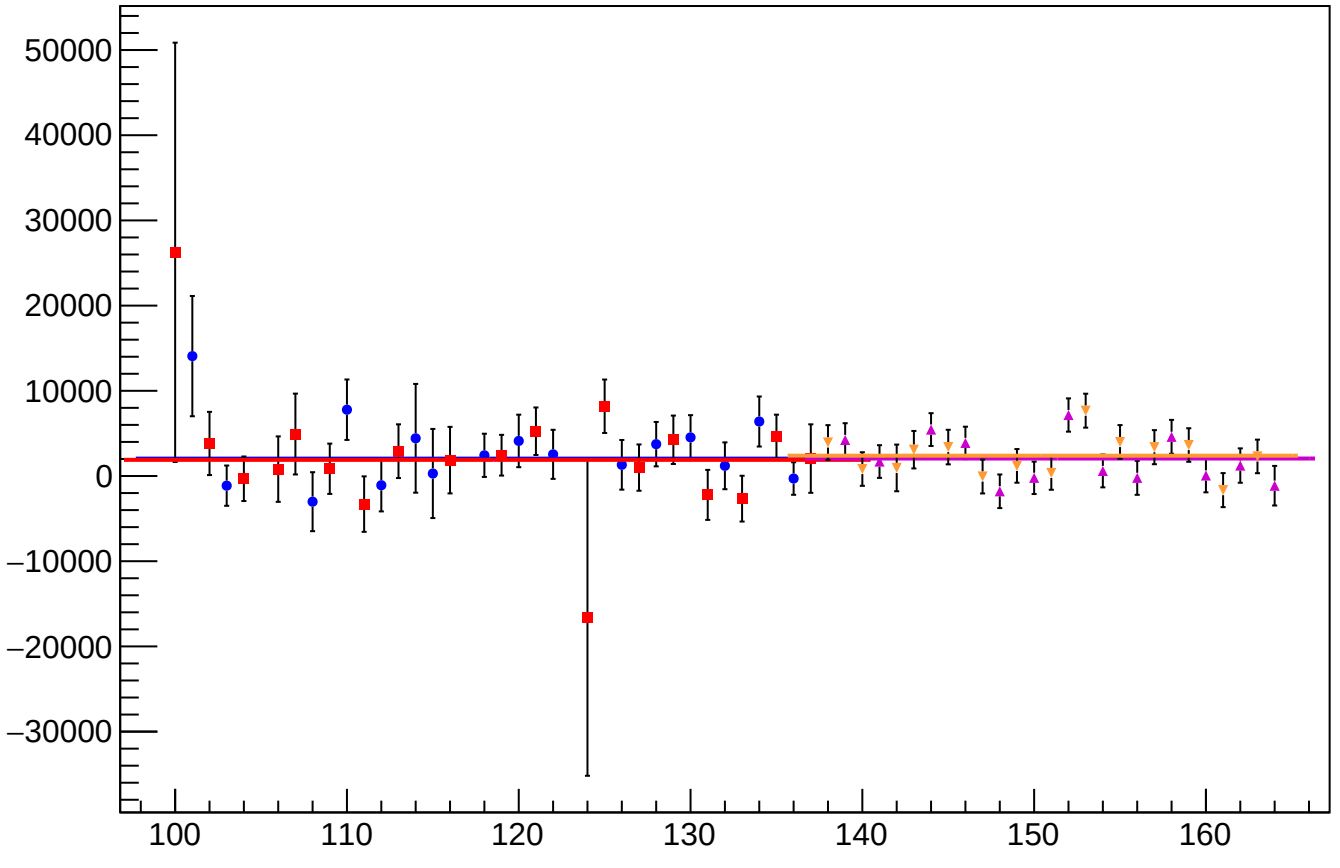
Left: 0.000+/-0.000 χ^2/NDF: 2579215.9/26

Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:4852304.4/28

Out: 0.000+/-0.000 χ^2/NDF:4496925.6/32

All: 0.000+/-0.000 χ^2/NDF: 9438833.7/61



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2386.180+/-544.768 χ^2/NDF:17.2/13

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2053.017+/-547.866 χ^2/NDF:23.9/12

Left: 2220.543+/-386.300 χ^2/NDF: 41.3/26

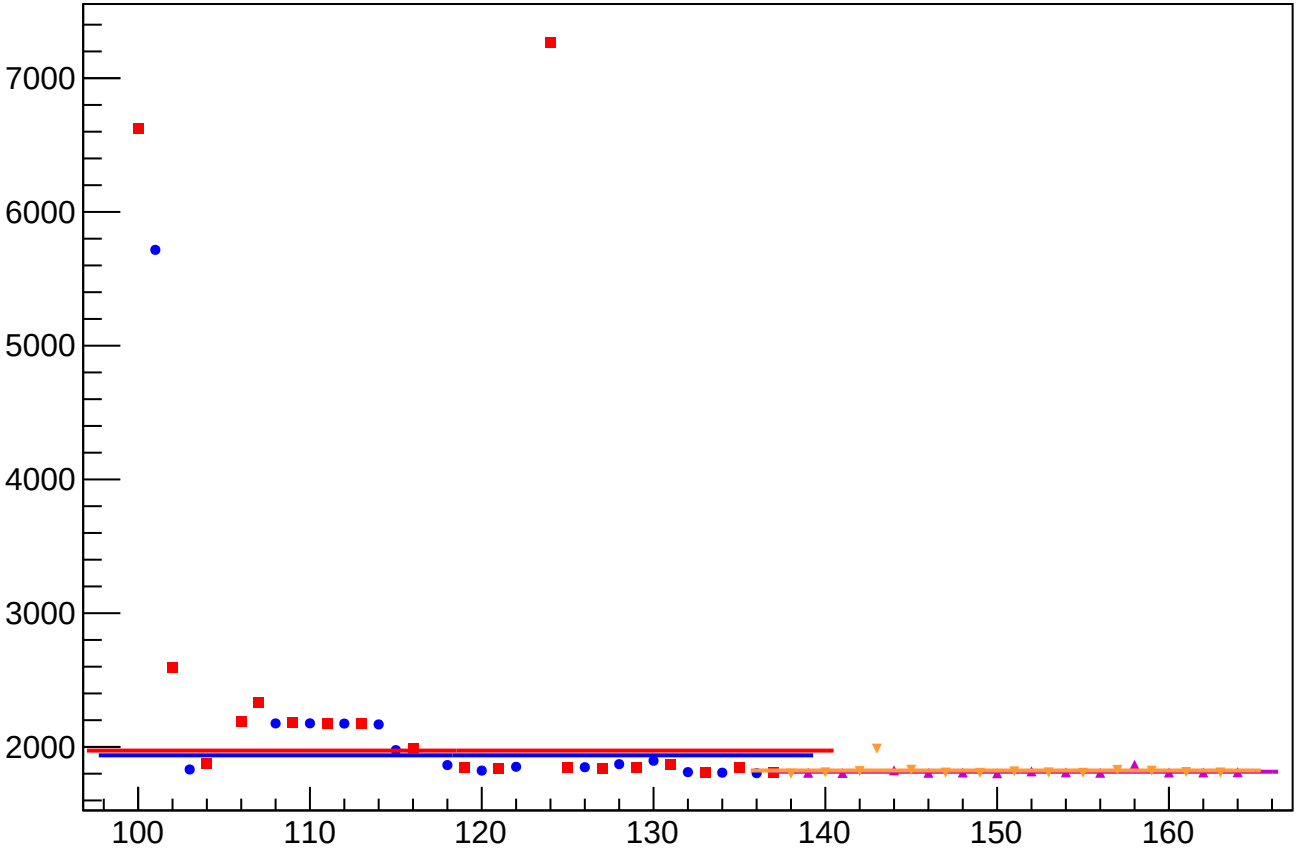
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2048.096+/-439.520 χ^2/NDF:40.4/28

Out: 2212.647+/-438.031 χ^2/NDF:36.0/32

All: 2130.651+/-310.260 χ^2/NDF: 76.5/61

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.941+/-0.385 χ^2/NDF:12155.2/13

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1814.624+/-0.387 χ^2/NDF:1720.1/12

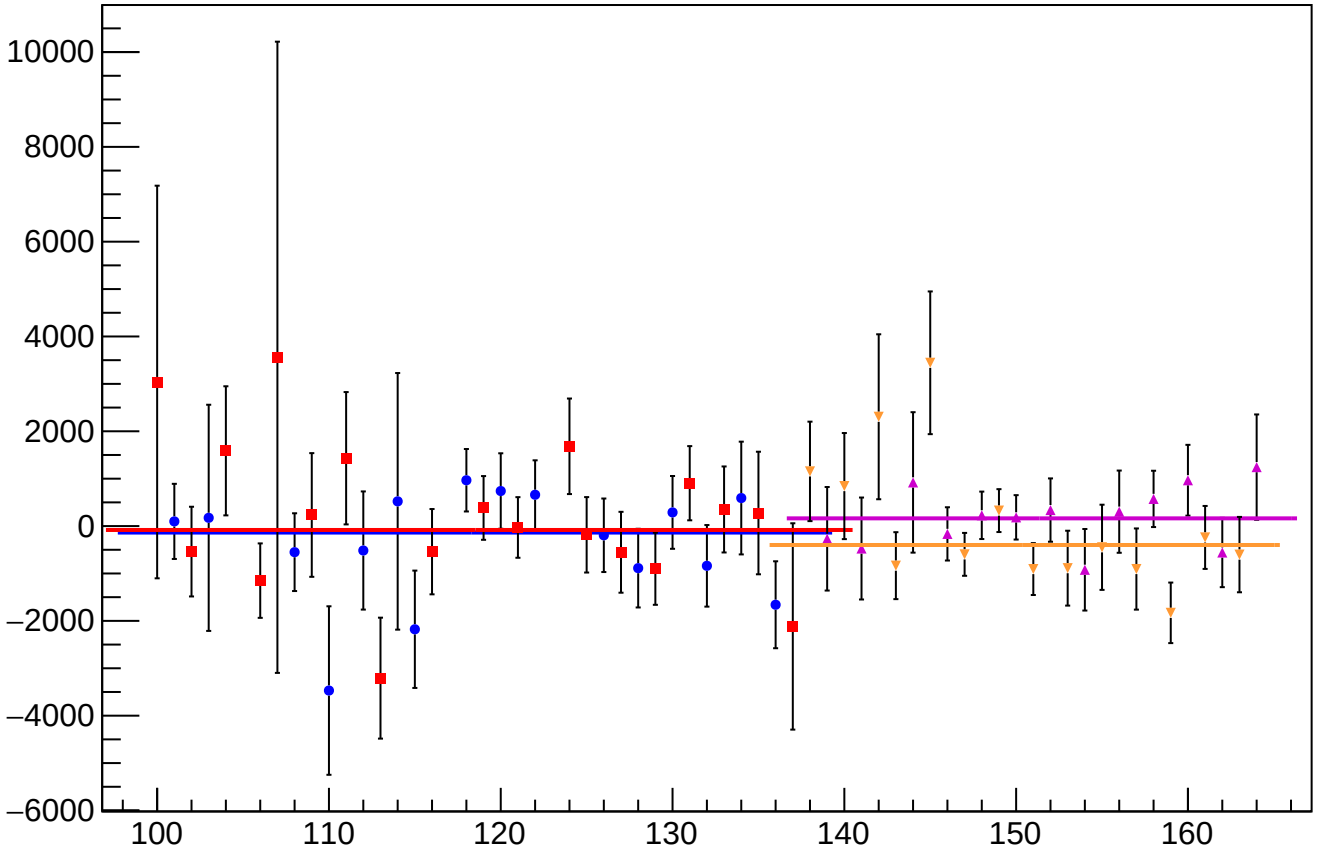
Left: 1819.309+/-0.273 χ^2/NDF: 14166.1/26

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1858.330+/-0.311 χ^2/NDF:675524.1/28

Out: 1876.545+/-0.310 χ^2/NDF:442449.5/32

All: 1867.468+/-0.219 χ^2/NDF: 1119696.9/61



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -399.033+/-188.651 χ^2/NDF:22.2/13

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 162.764+/-195.695 χ^2/NDF:6.4/12

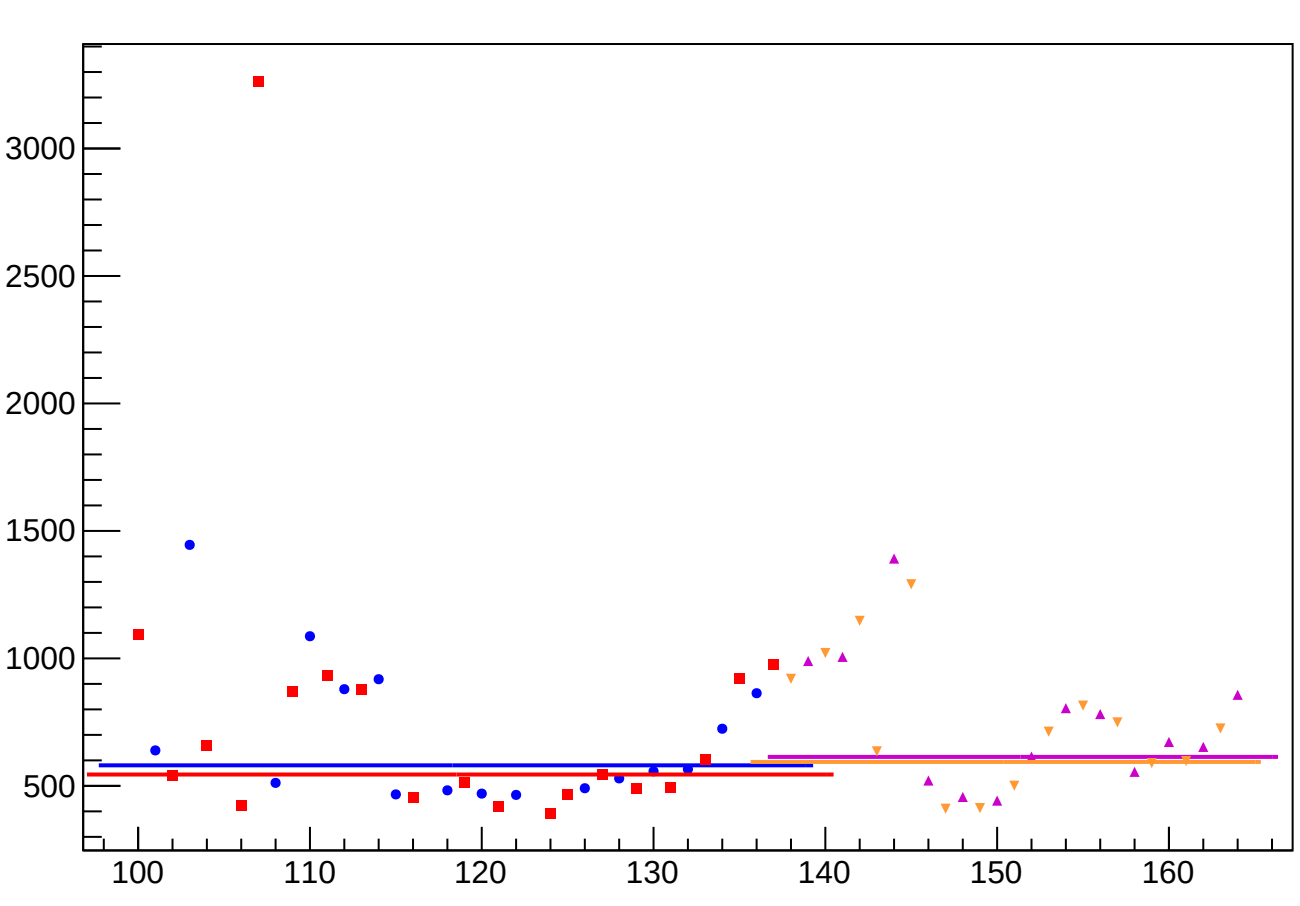
Left: -128.427+/-135.818 χ^2/NDF: 32.9/26

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

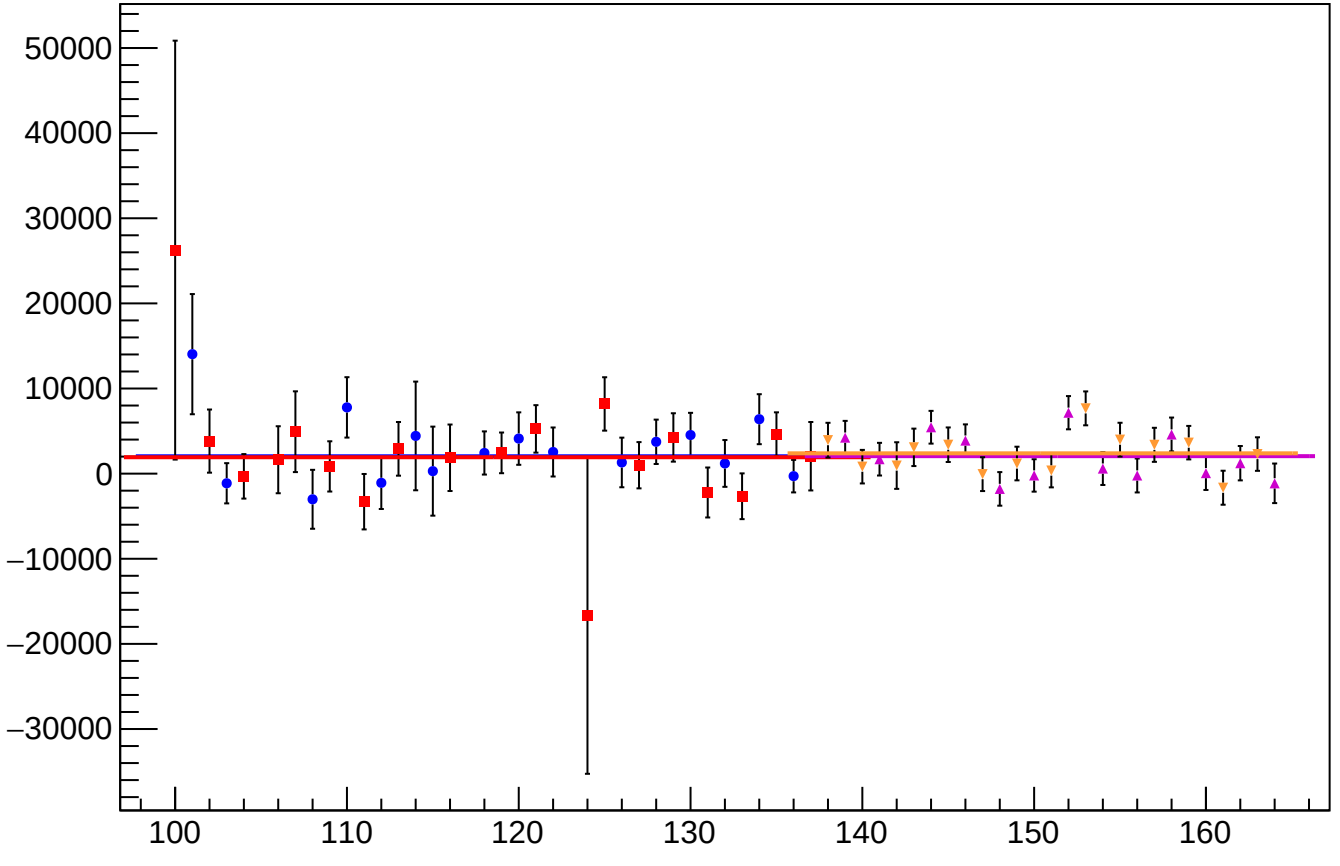
In: 37.306+/-149.162 χ^2/NDF:24.2/28

Out: -266.231+/-143.761 χ^2/NDF:43.2/32

All: -120.058+/-103.511 χ^2/NDF: 69.6/61


asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 580.611+/-0.163 χ²/NDF: 1003410.8/15
Left Out: 593.900+/-0.133 χ²/NDF:2116446.2/13
Right Out: 544.530+/-0.157 χ²/NDF: 1287643.0/18
Left In: 613.650+/-0.138 χ²/NDF:1882249.0/12
Left: 603.413+/-0.096 χ²/NDF: 4009254.0/26
Right: 561.900+/-0.113 χ²/NDF: 2316481.8/34
In: 599.806+/-0.105 χ²/NDF:2909547.1/28
Out: 573.200+/-0.102 χ²/NDF:3461518.2/32
All: 586.013+/-0.073 χ²/NDF: 6404053.1/61

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2386.163+/-544.768 χ^2/NDF:17.2/13

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2053.109+/-547.866 χ^2/NDF:23.9/12

Left: 2220.581+/-386.300 χ^2/NDF: 41.3/26

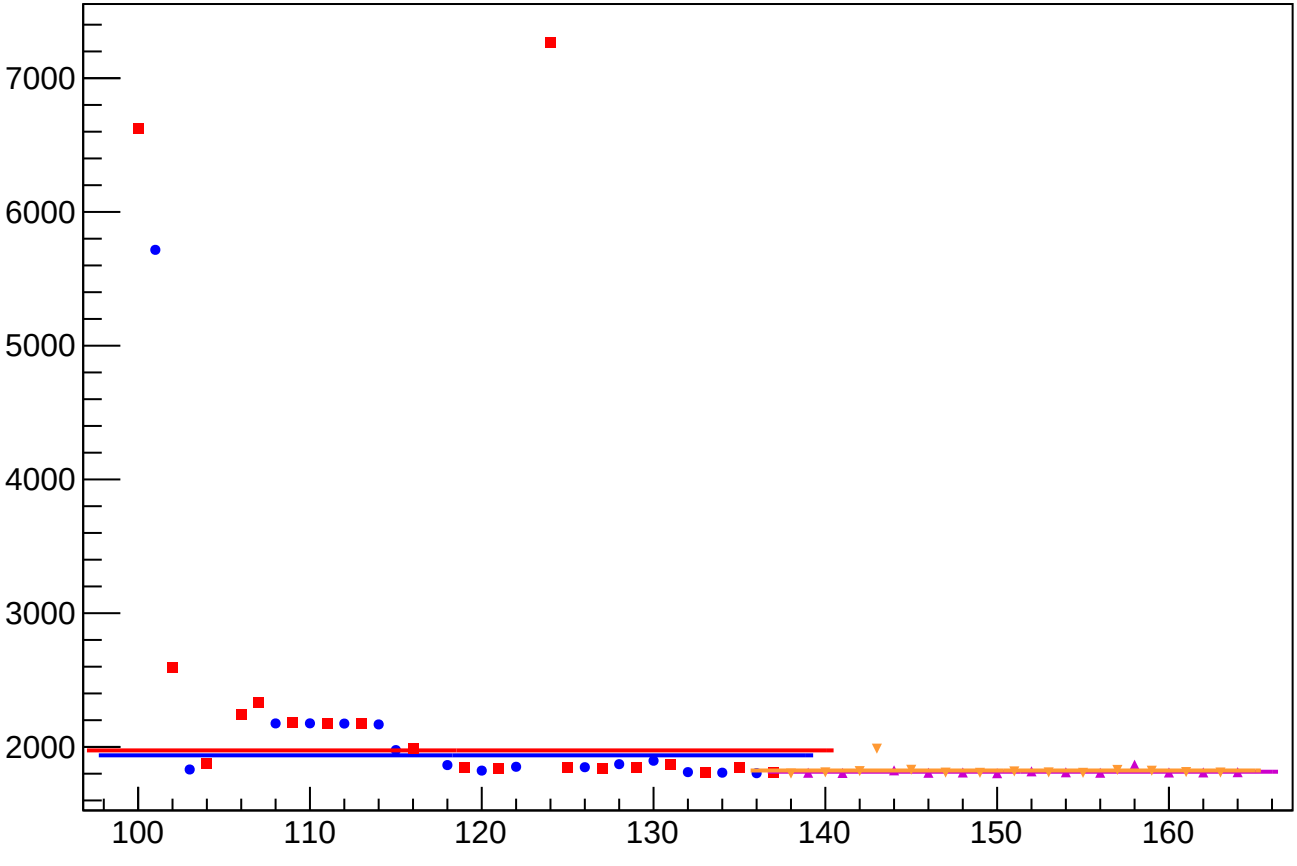
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2048.024+/-439.520 χ^2/NDF:40.4/28

Out: 2223.787+/-438.167 χ^2/NDF:35.9/32

All: 2136.176+/-310.308 χ^2/NDF: 76.3/61

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.941+/-0.385 χ^2/NDF:12155.2/13

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.624+/-0.387 χ^2/NDF:1720.1/12

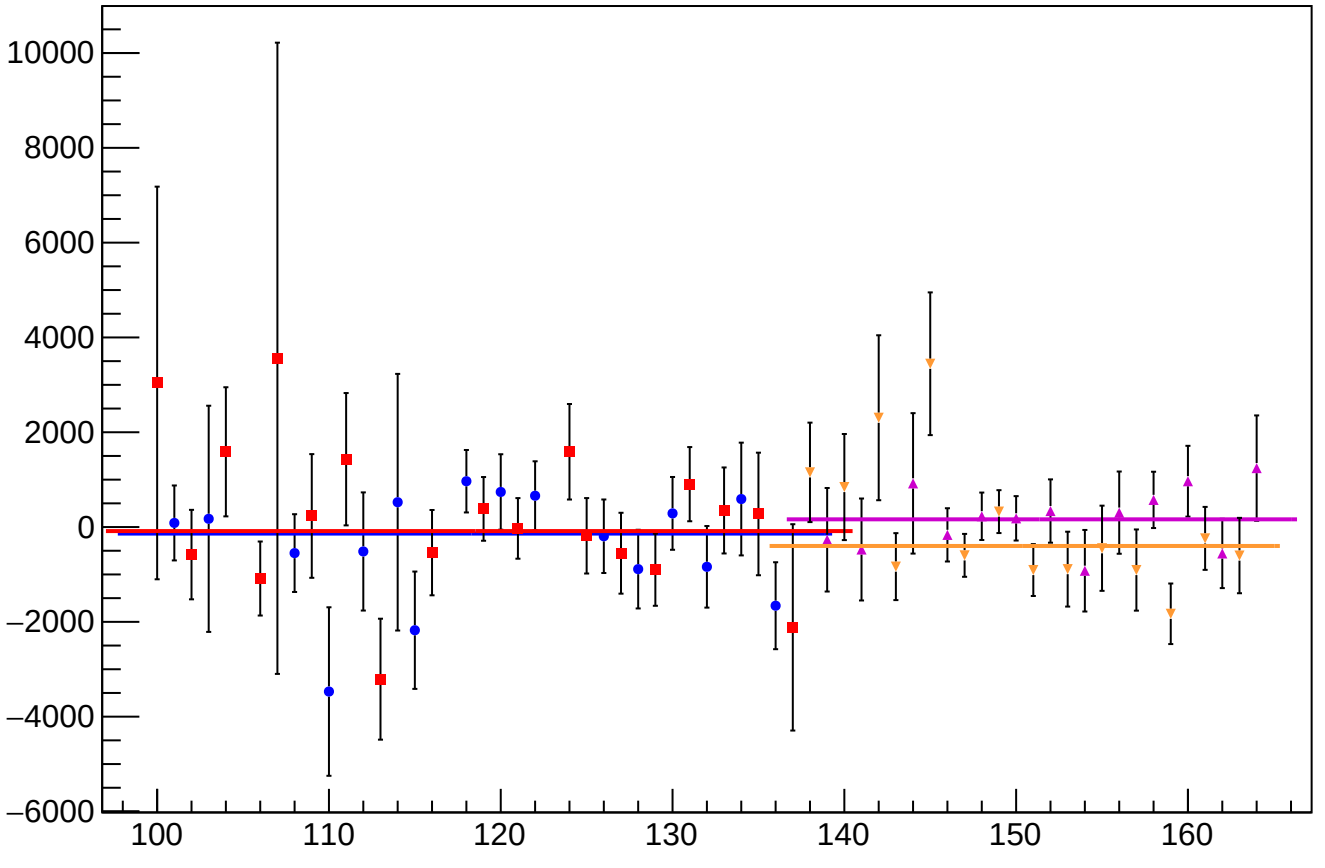
Left: 1819.309+/-0.273 χ^2/NDF: 14166.1/26

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1858.330+/-0.311 χ^2/NDF:675524.0/28

Out: 1876.977+/-0.310 χ^2/NDF:446275.4/32

All: 1867.682+/-0.219 χ^2/NDF: 1123605.0/61



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -399.148+/-188.652 χ^2/NDF:22.2/13

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 162.796+/-195.696 χ^2/NDF:6.4/12

Left: -128.470+/-135.819 χ^2/NDF: 32.9/26

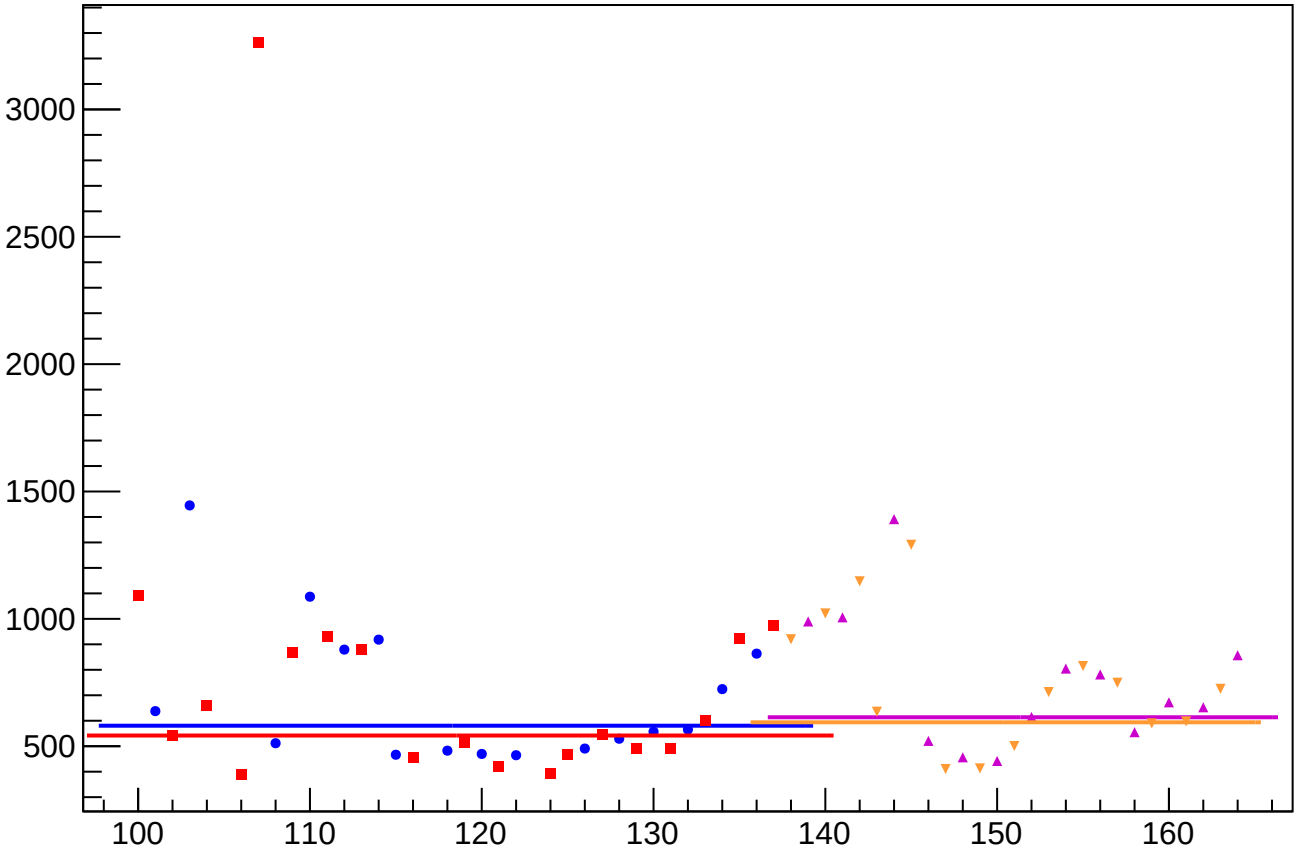
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 36.938+/-149.149 χ^2/NDF:24.2/28

Out: -267.313+/-143.724 χ^2/NDF:42.7/32

All: -120.822+/-103.493 χ^2/NDF: 69.1/61

asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 593.904+/-0.133 χ^2/NDF:2116556.1/13

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 613.653+/-0.138 χ^2/NDF:1882296.5/12

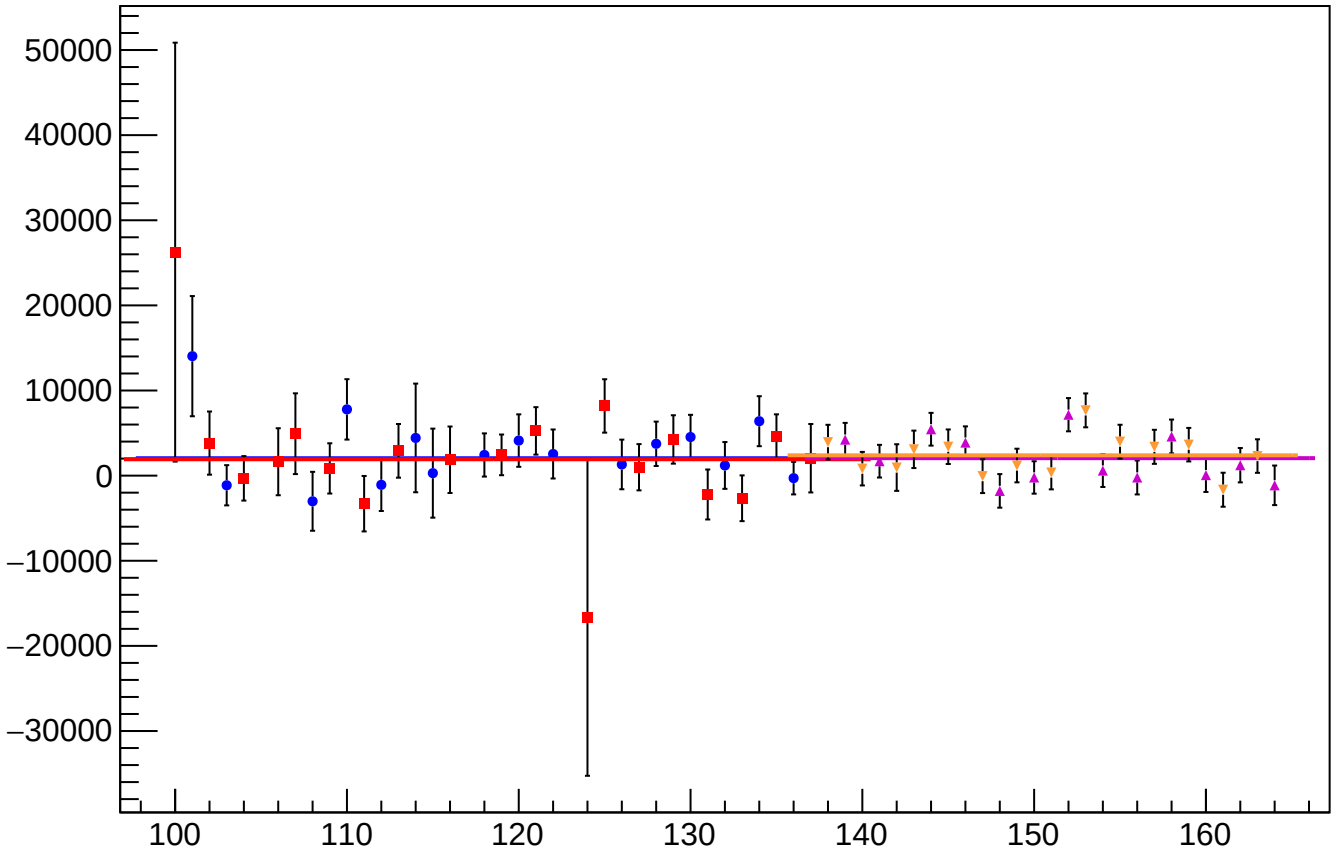
Left: 603.417+/-0.096 χ^2/NDF: 4009409.7/26

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 599.766+/-0.105 χ^2/NDF:2909227.9/28

Out: 572.100+/-0.102 χ^2/NDF:3499080.3/32

All: 585.421+/-0.073 χ^2/NDF: 6443988.0/61



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2386.163+/-544.768 χ^2/NDF:17.2/13

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2053.109+/-547.866 χ^2/NDF:23.9/12

Left: 2220.581+/-386.300 χ^2/NDF: 41.3/26

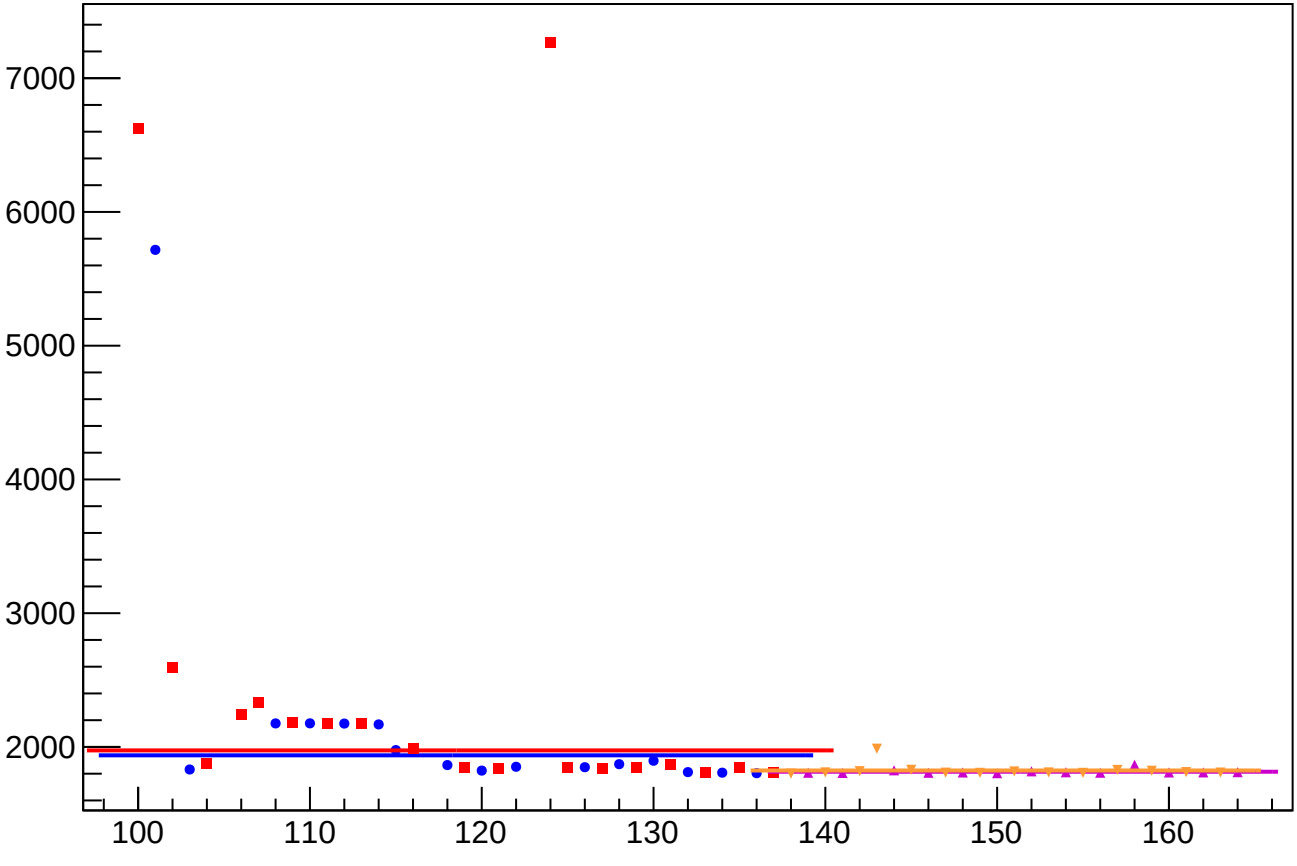
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2048.024+/-439.520 χ^2/NDF:40.4/28

Out: 2223.787+/-438.167 χ^2/NDF:35.9/32

All: 2136.176+/-310.308 χ^2/NDF: 76.3/61

eigen_cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.941+/-0.385 χ^2/NDF:12155.2/13

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.624+/-0.387 χ^2/NDF:1720.1/12

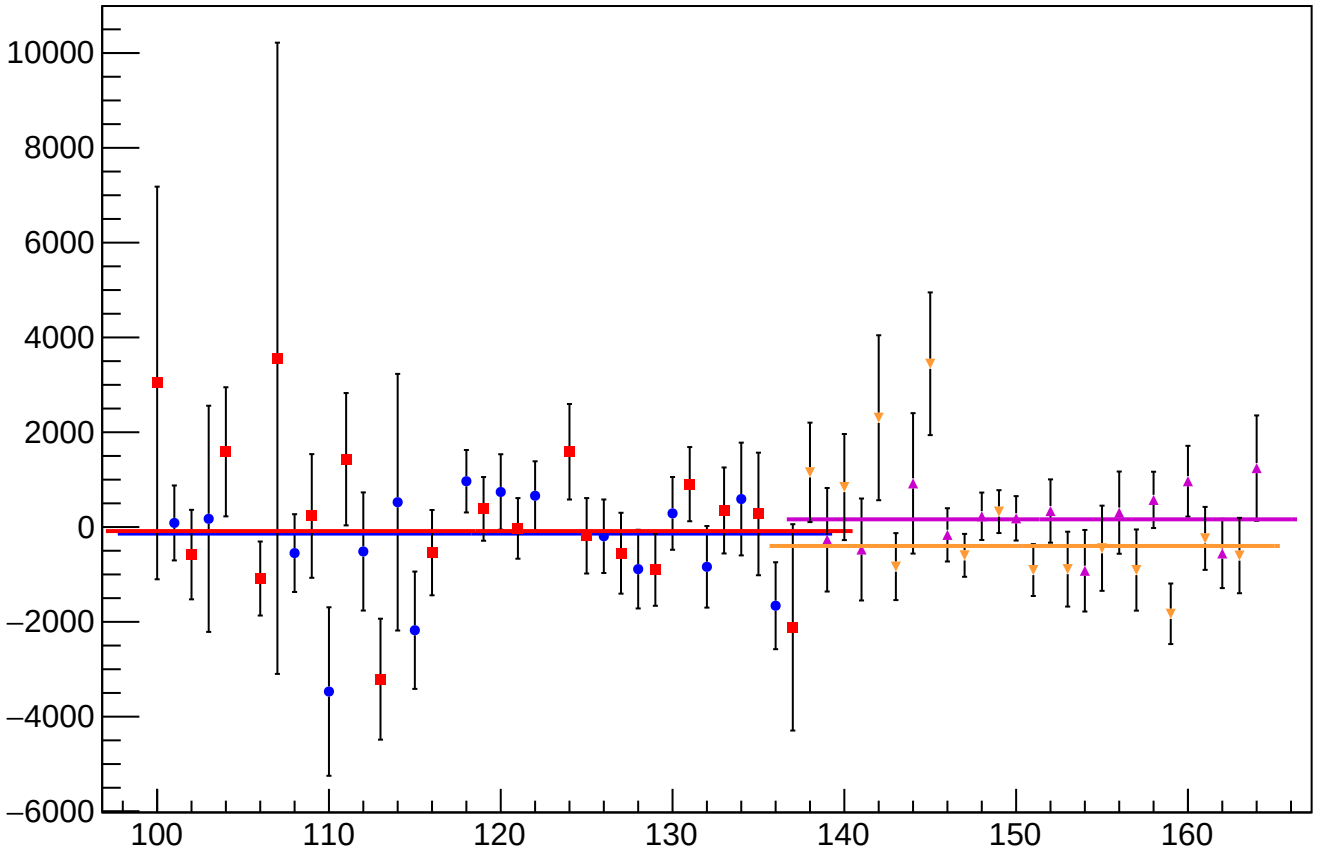
Left: 1819.309+/-0.273 χ^2/NDF: 14166.1/26

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1858.330+/-0.311 χ^2/NDF:675524.0/28

Out: 1876.977+/-0.310 χ^2/NDF:446275.4/32

All: 1867.682+/-0.219 χ^2/NDF: 1123605.0/61



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -399.148+/-188.652 χ^2/NDF:22.2/13

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 162.796+/-195.696 χ^2/NDF:6.4/12

Left: -128.470+/-135.819 χ^2/NDF: 32.9/26

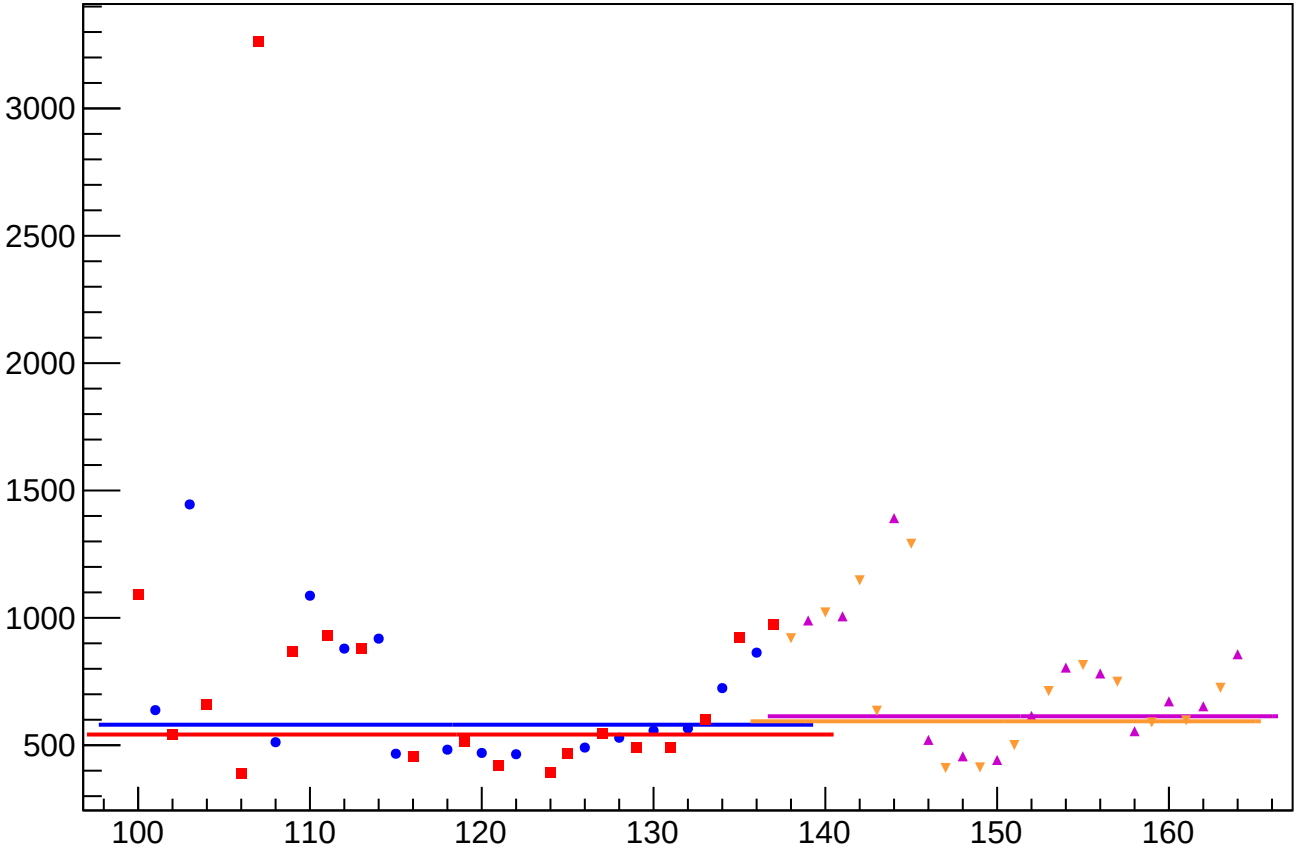
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 36.938+/-149.149 χ^2/NDF:24.2/28

Out: -267.313+/-143.724 χ^2/NDF:42.7/32

All: -120.822+/-103.493 χ^2/NDF: 69.1/61

asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 593.904+/-0.133 χ^2/NDF:2116556.1/13

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 613.653+/-0.138 χ^2/NDF:1882296.5/12

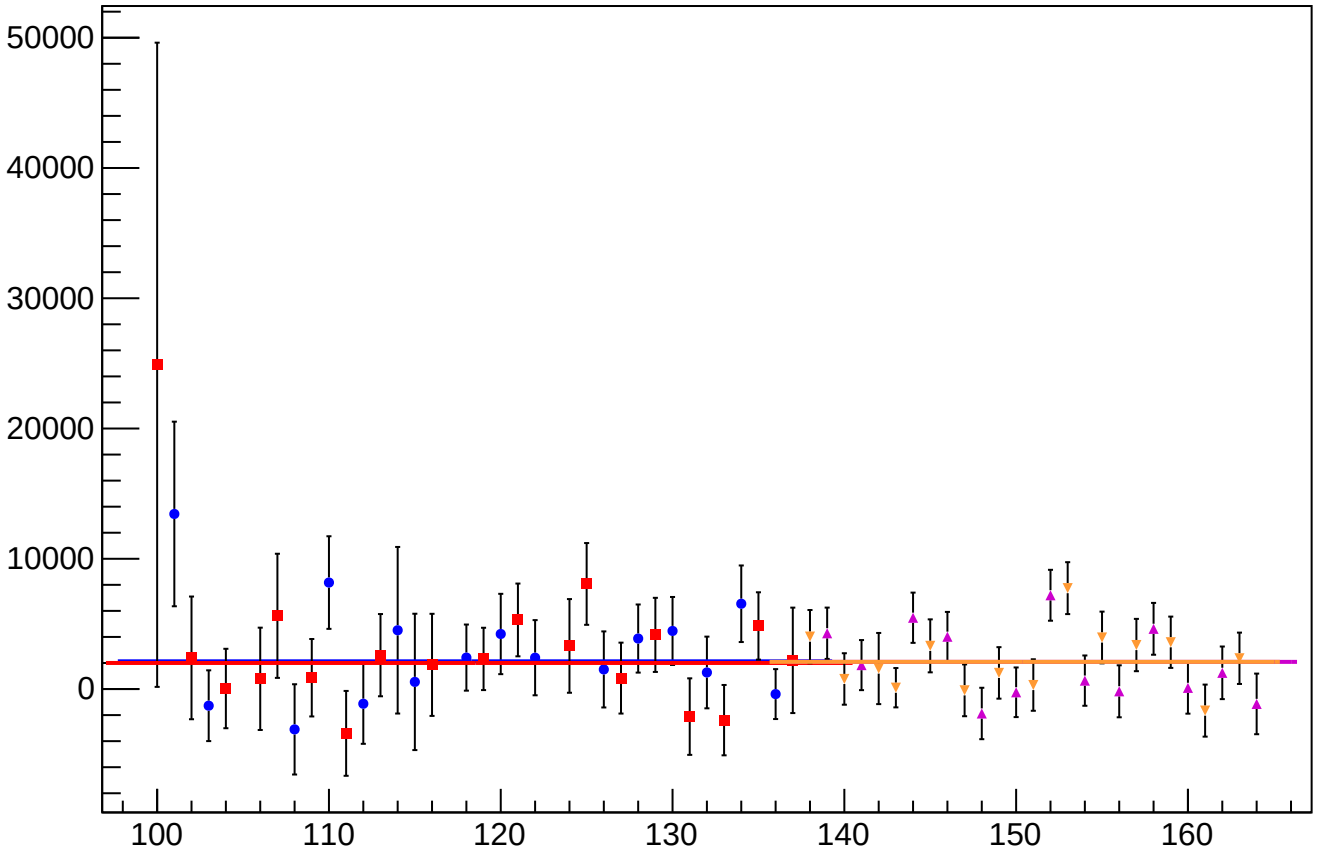
Left: 603.417+/-0.096 χ^2/NDF: 4009409.7/26

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 599.766+/-0.105 χ^2/NDF:2909227.9/28

Out: 572.100+/-0.102 χ^2/NDF:3499080.3/32

All: 585.421+/-0.073 χ^2/NDF: 6443988.0/61



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2087.679+/-527.460 χ^2/NDF:19.2/13

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2085.691+/-548.482 χ^2/NDF:24.3/12

Left: 2086.724+/-380.185 χ^2/NDF: 43.5/26

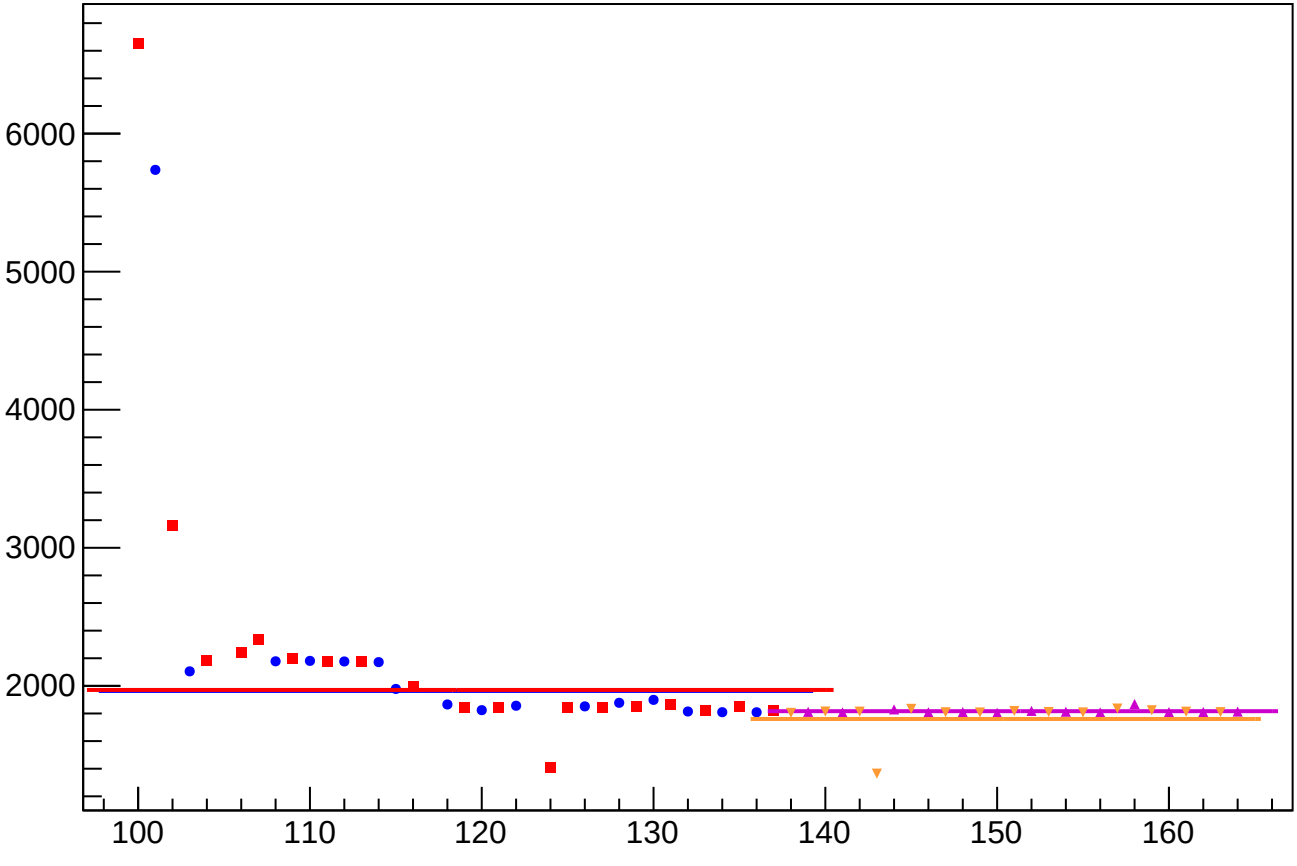
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2100.793+/-441.949 χ^2/NDF:40.8/28

Out: 2058.743+/-428.966 χ^2/NDF:35.9/32

All: 2079.141+/-307.812 χ^2/NDF: 76.7/61

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1760.214+/-0.373 χ^2/NDF:157244.1/13

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1816.638+/-0.388 χ^2/NDF:1755.4/12

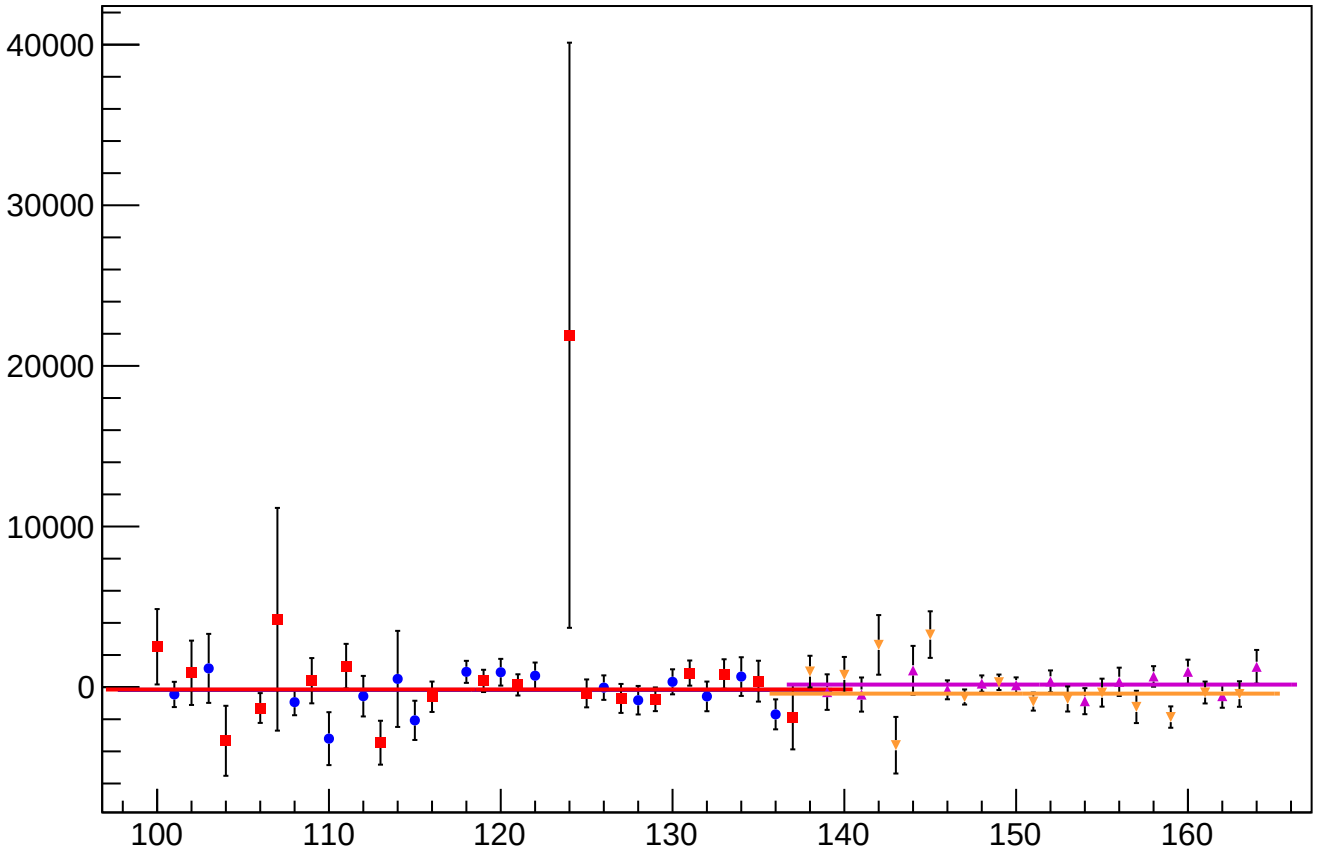
Left: 1787.324+/-0.269 χ^2/NDF: 169995.7/26

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1868.118+/-0.313 χ^2/NDF:692244.7/28

Out: 1831.402+/-0.303 χ^2/NDF:609970.8/32

All: 1849.213+/-0.218 χ^2/NDF: 1309323.0/61



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -404.475+/-200.512 χ^2/NDF:24.3/13

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 158.558+/-199.574 χ^2/NDF:6.8/12

Left: -121.640+/-141.451 χ^2/NDF: 35.0/26

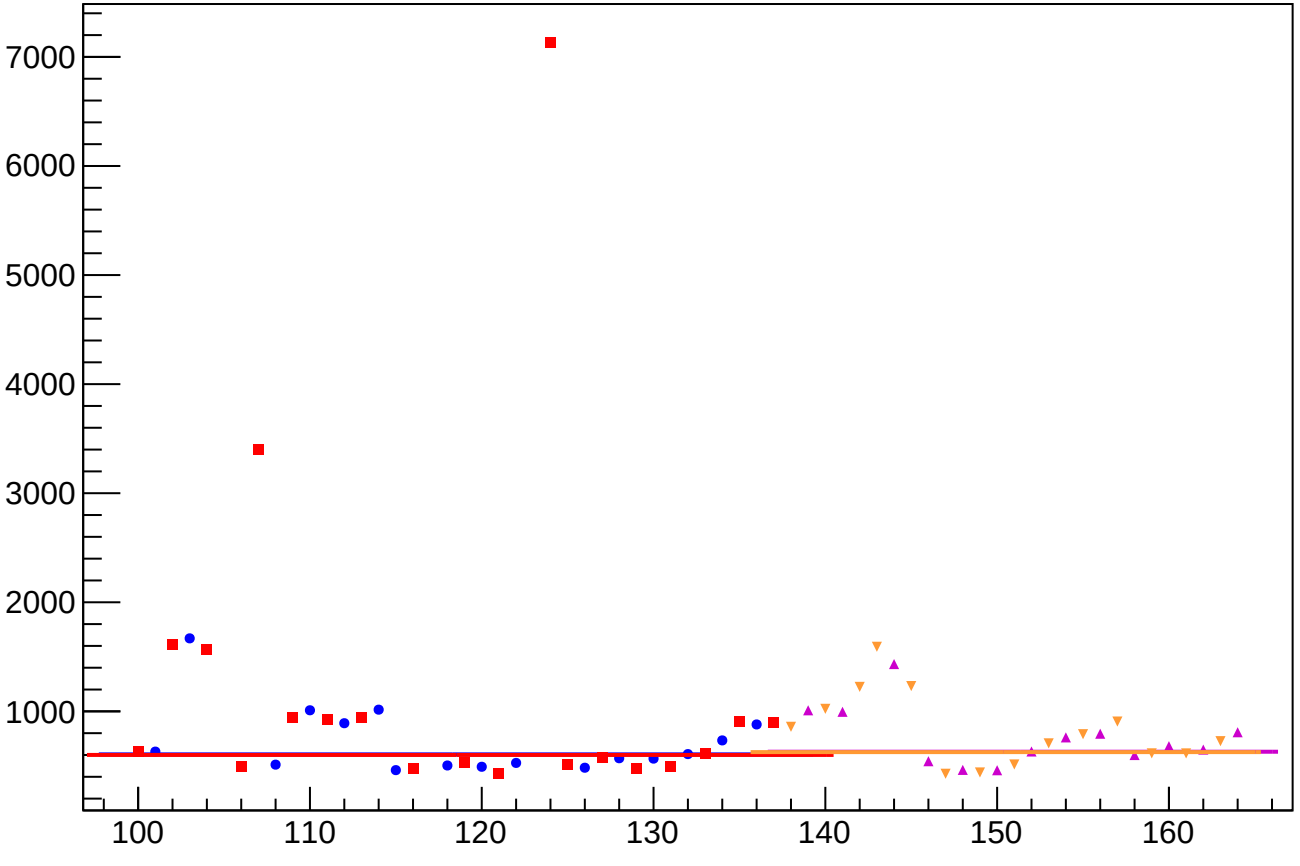
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: 21.859+/-152.635 χ^2/NDF:25.1/28

Out: -300.300+/-154.619 χ^2/NDF:45.0/32

All: -137.141+/-108.624 χ^2/NDF: 72.4/61

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 626.414+/-0.142 χ^2/NDF:2537606.1/13

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 629.824+/-0.141 χ^2/NDF:1728871.7/12

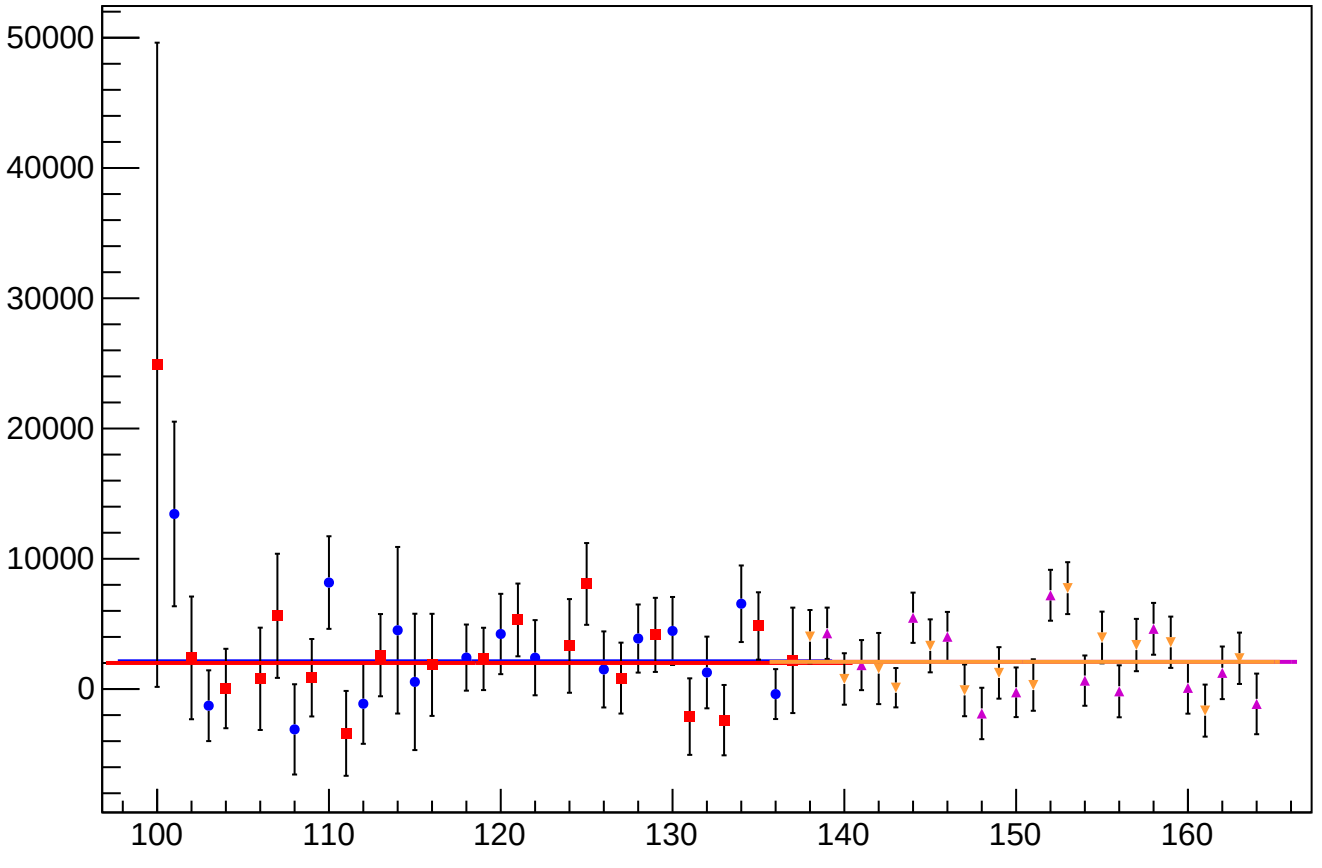
Left: 628.127+/-0.100 χ^2/NDF: 4266768.3/26

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 619.698+/-0.108 χ^2/NDF:2903729.4/28

Out: 615.888+/-0.109 χ^2/NDF:4879727.8/32

All: 617.818+/-0.077 χ^2/NDF: 7784072.4/61



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2087.680+/-527.460 χ^2/NDF:19.2/13

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2085.691+/-548.482 χ^2/NDF:24.3/12

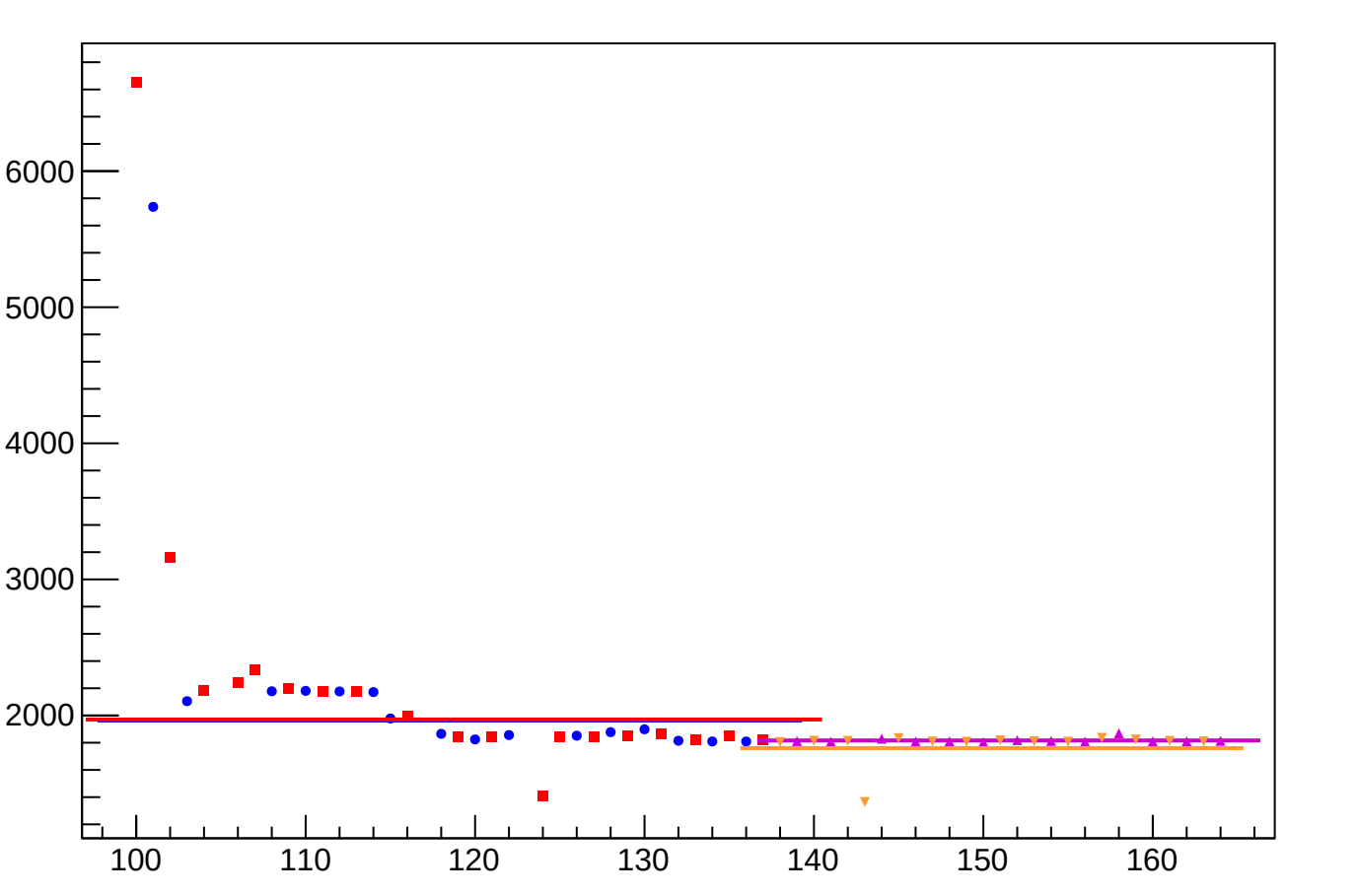
Left: 2086.724+/-380.185 χ^2/NDF: 43.5/26

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2100.792+/-441.949 χ^2/NDF:40.8/28

Out: 2058.743+/-428.966 χ^2/NDF:35.9/32

All: 2079.141+/-307.812 χ^2/NDF: 76.7/61



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1760.214+/-0.373 χ^2/NDF:157244.1/13

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1816.638+/-0.388 χ^2/NDF:1755.4/12

Left: 1787.324+/-0.269 χ^2/NDF: 169995.7/26

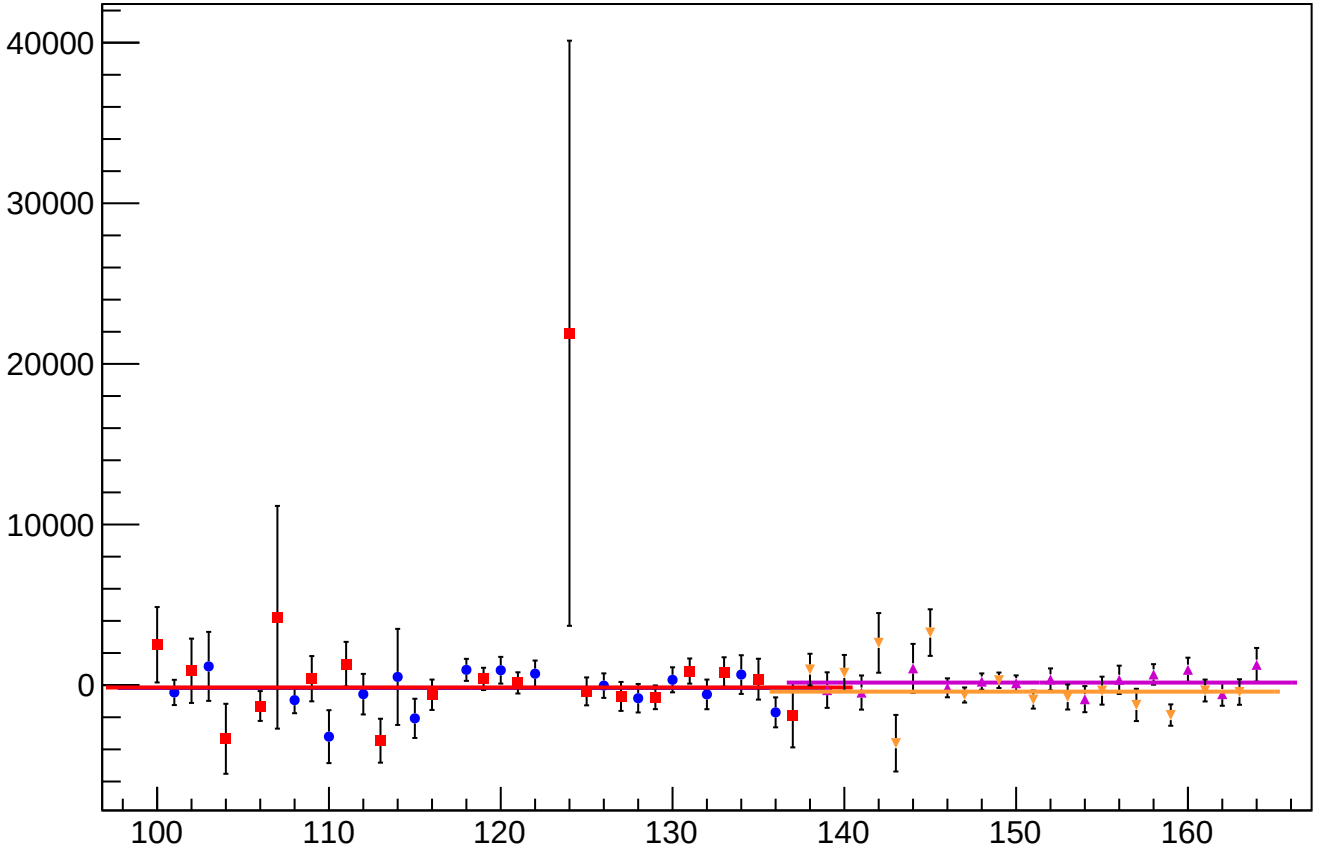
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1868.118+/-0.313 χ^2/NDF:692244.2/28

Out: 1831.402+/-0.303 χ^2/NDF:609969.2/32

All: 1849.213+/-0.218 χ^2/NDF: 1309321.0/61

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: -404.476+/-200.512 χ^2/NDF:24.3/13

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 158.558+/-199.575 χ^2/NDF:6.8/12

Left: -121.640+/-141.451 χ^2/NDF: 35.0/26

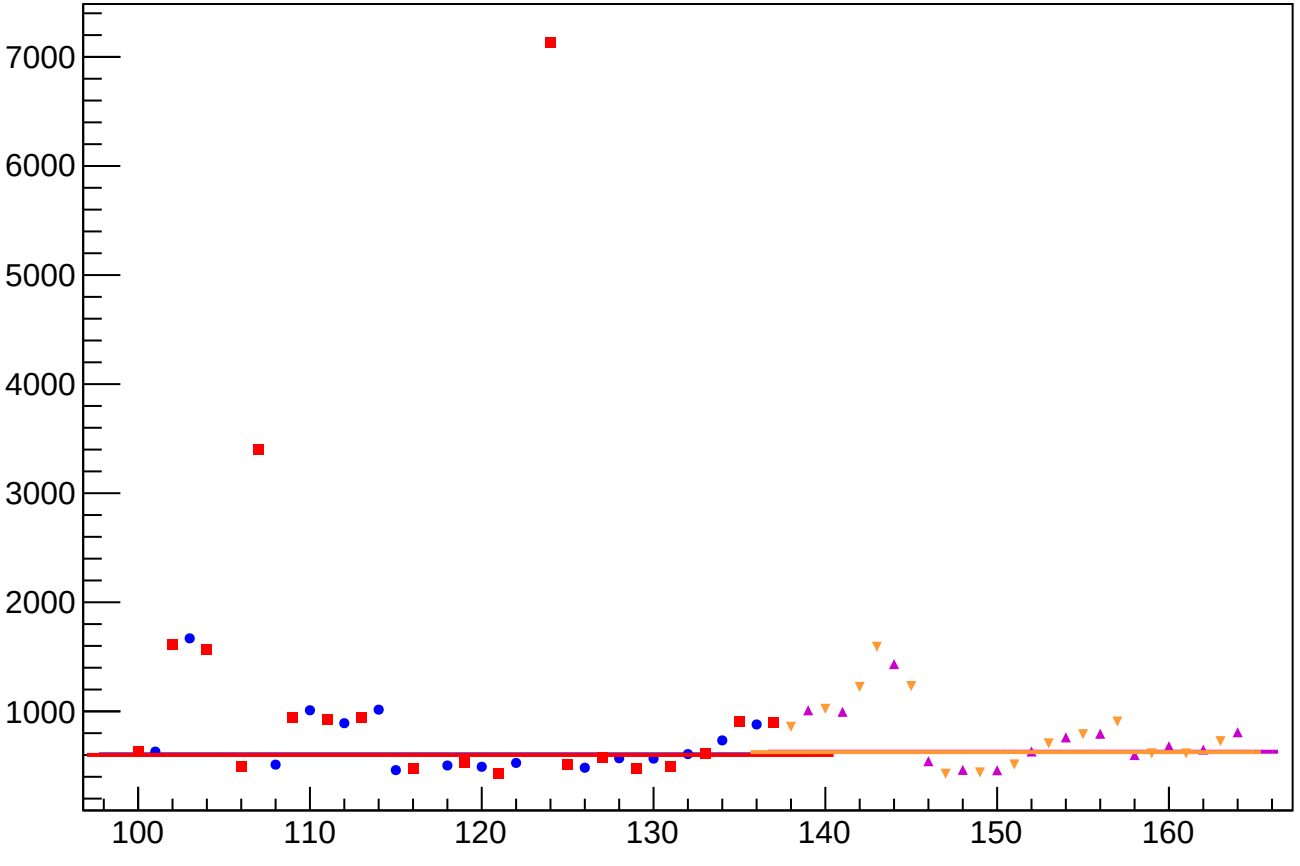
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: 21.859+/-152.635 χ^2/NDF:25.1/28

Out: -300.300+/-154.619 χ^2/NDF:45.0/32

All: -137.141+/-108.624 χ^2/NDF: 72.4/61

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: 626.415+/-0.142 χ^2/NDF:2537597.8/13

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 629.825+/-0.141 χ^2/NDF:1728867.0/12

Left: 628.128+/-0.100 χ^2/NDF: 4266755.3/26

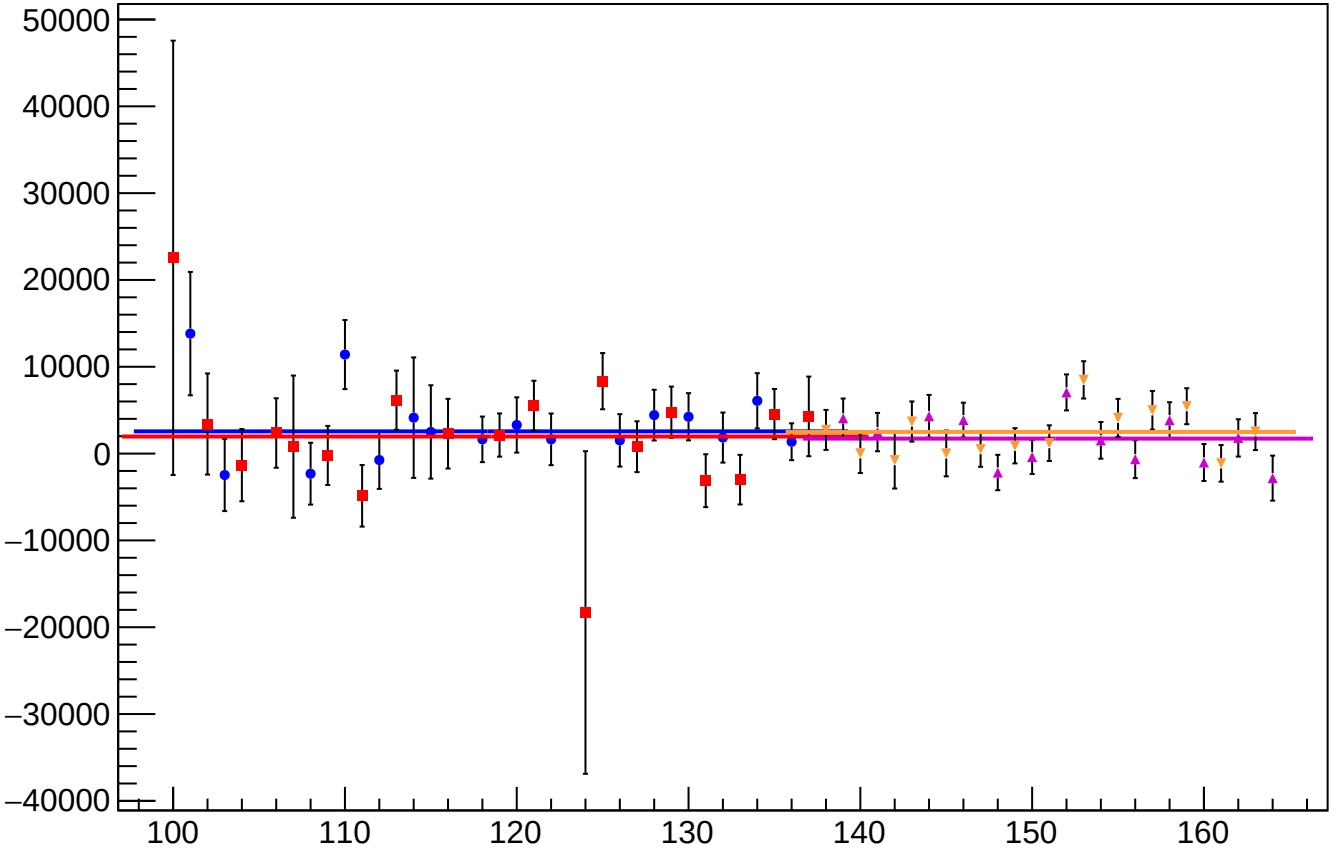
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 619.699+/-0.108 χ^2/NDF:2903734.7/28

Out: 615.888+/-0.109 χ^2/NDF:4879729.5/32

All: 617.818+/-0.077 χ^2/NDF: 7784079.4/61

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2492.281+/-594.088 χ^2/NDF:19.9/13

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1726.848+/-597.658 χ^2/NDF:21.8/12

Left: 2111.857+/-421.340 χ^2/NDF: 42.5/26

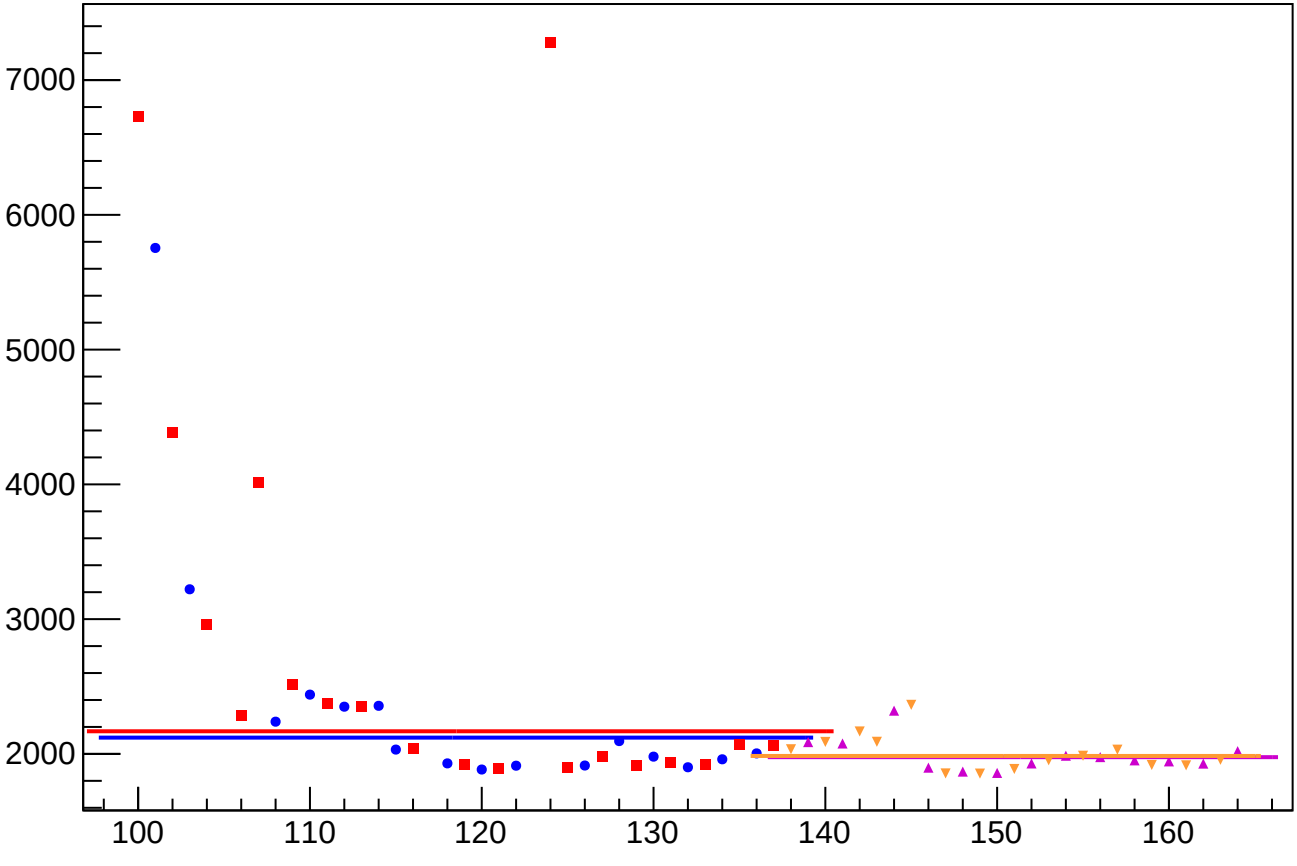
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2021.044+/-480.845 χ^2/NDF:37.1/28

Out: 2311.041+/-480.860 χ^2/NDF:41.7/32

All: 2166.038+/-340.014 χ^2/NDF: 79.0/61

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1984.709+/-0.420 χ^2/NDF:83601.4/13

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1975.758+/-0.423 χ^2/NDF:67734.5/12

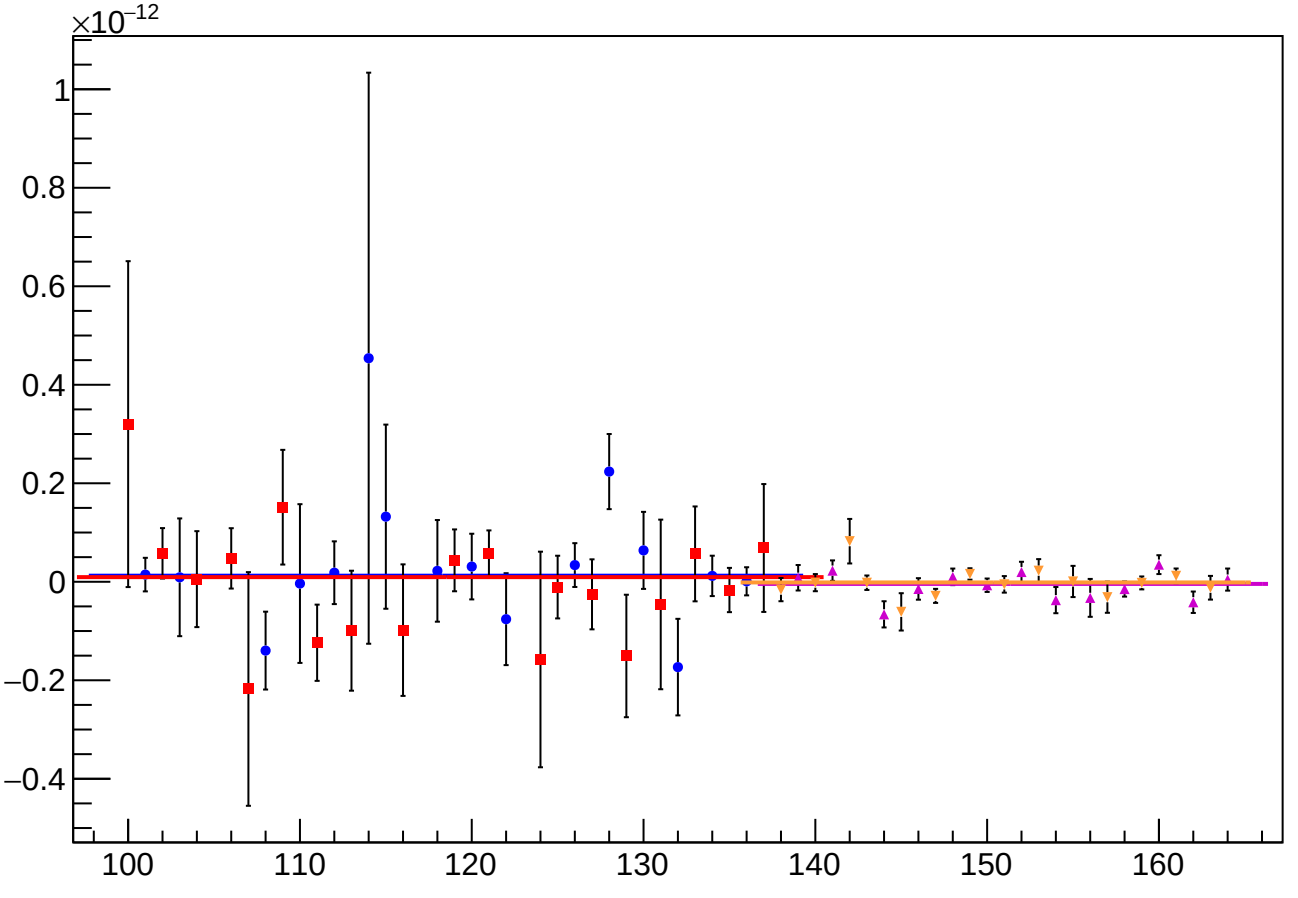
Left: 1980.261+/-0.298 χ^2/NDF: 151561.5/26

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2026.907+/-0.340 χ^2/NDF:869235.5/28

Out: 2047.863+/-0.340 χ^2/NDF:973064.9/32

All: 2037.385+/-0.240 χ^2/NDF: 1844199.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.5/12

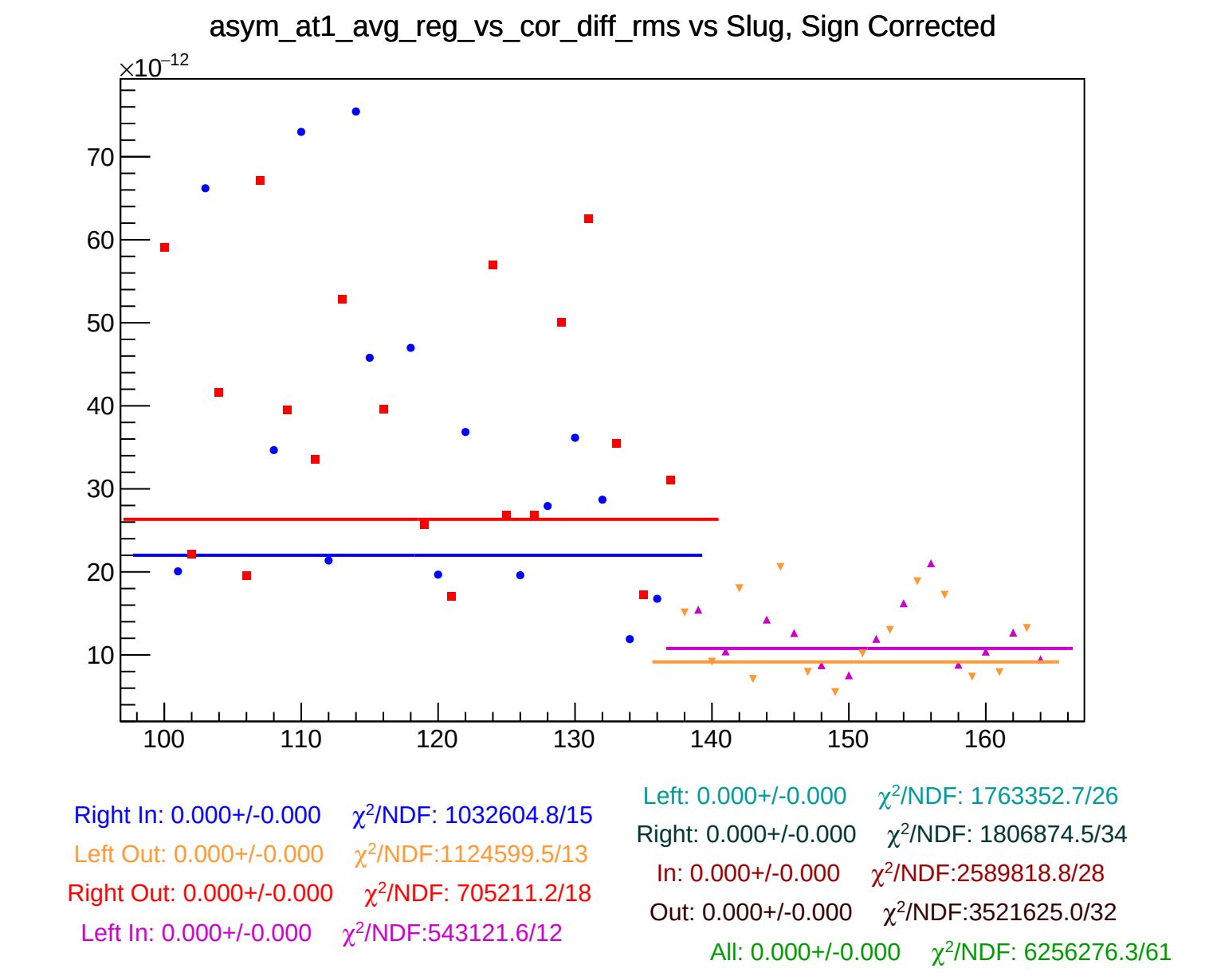
Left: -0.000+/-0.000 χ^2/NDF: 34.8/26

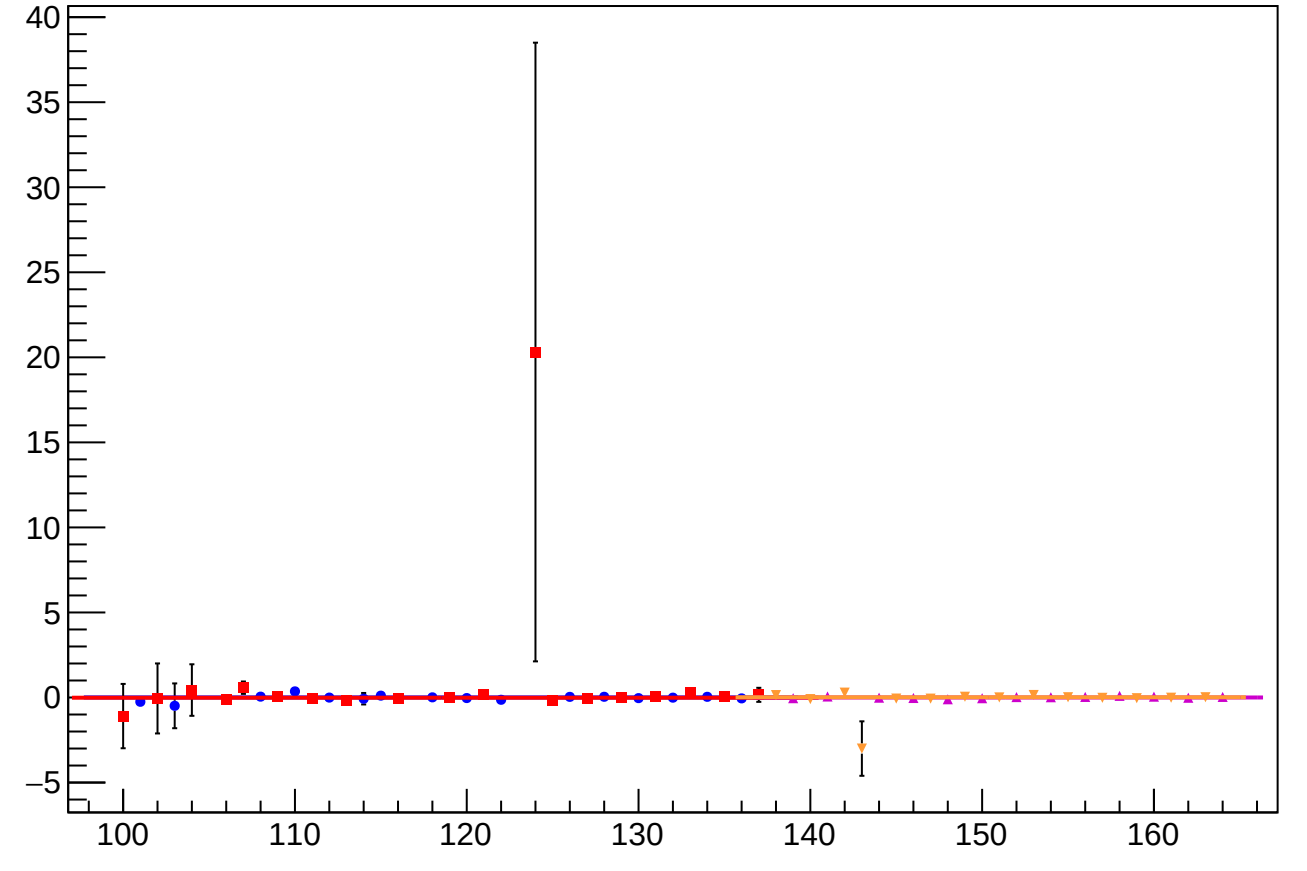
Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: -0.000+/-0.000 χ^2/NDF:38.4/28

Out: -0.000+/-0.000 χ^2/NDF:29.3/32

All: -0.000+/-0.000 χ^2/NDF: 67.7/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1124599.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:543121.6/12
Left: 0.000+/-0.000 χ²/NDF: 1763352.7/26
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:2589818.8/28
Out: 0.000+/-0.000 χ²/NDF:3521625.0/32
All: 0.000+/-0.000 χ²/NDF: 6256276.3/61



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.001+/-0.016 χ^2/NDF:12.4/12

Left: 0.007+/-0.011 χ^2/NDF: 35.4/26

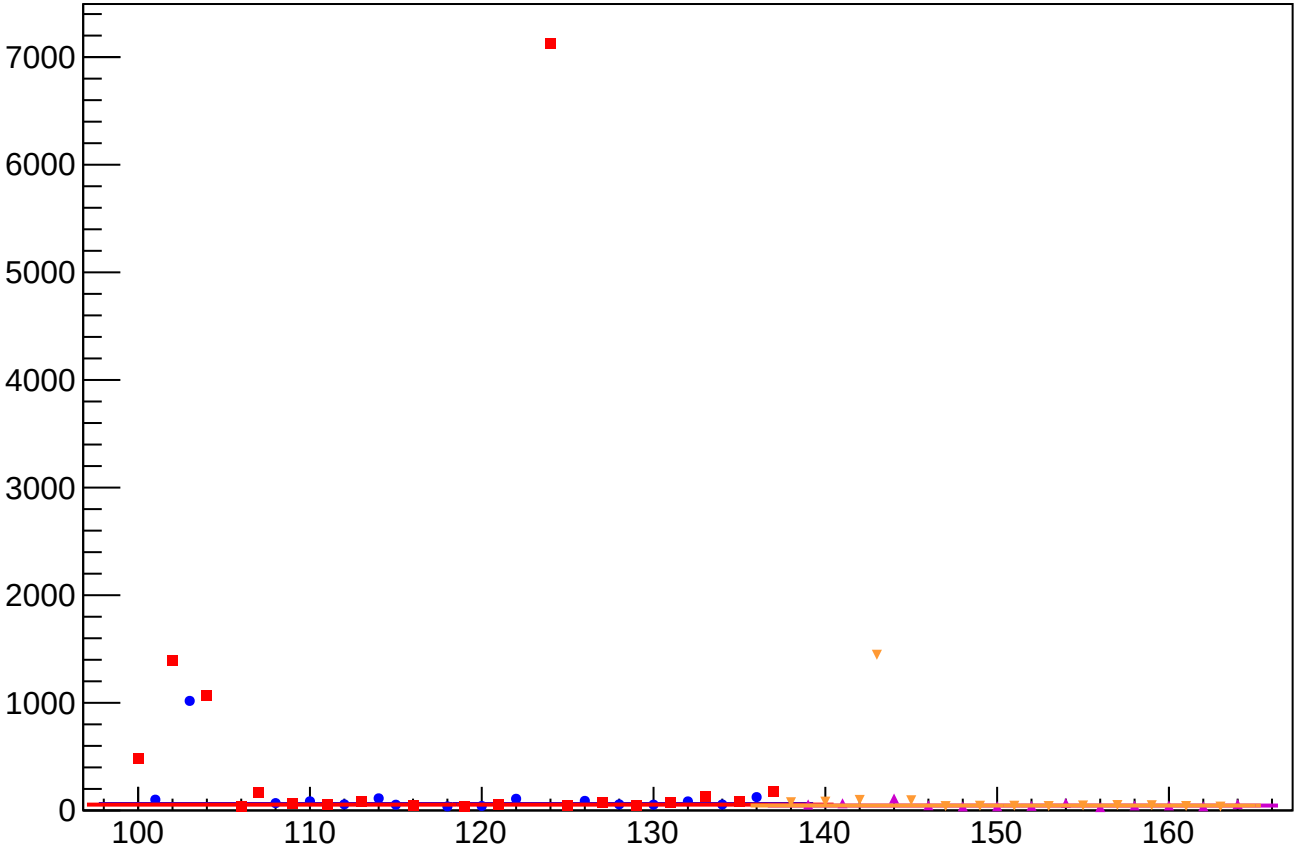
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.013 χ^2/NDF:23.8/28

Out: 0.007+/-0.014 χ^2/NDF:41.1/32

All: 0.004+/-0.010 χ^2/NDF: 64.9/61

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.159+/-0.011 χ^2/NDF:2815021.8/13

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.535+/-0.011 χ^2/NDF:1420072.4/12

Left: 45.836+/-0.008 χ^2/NDF: 4236646.4/26

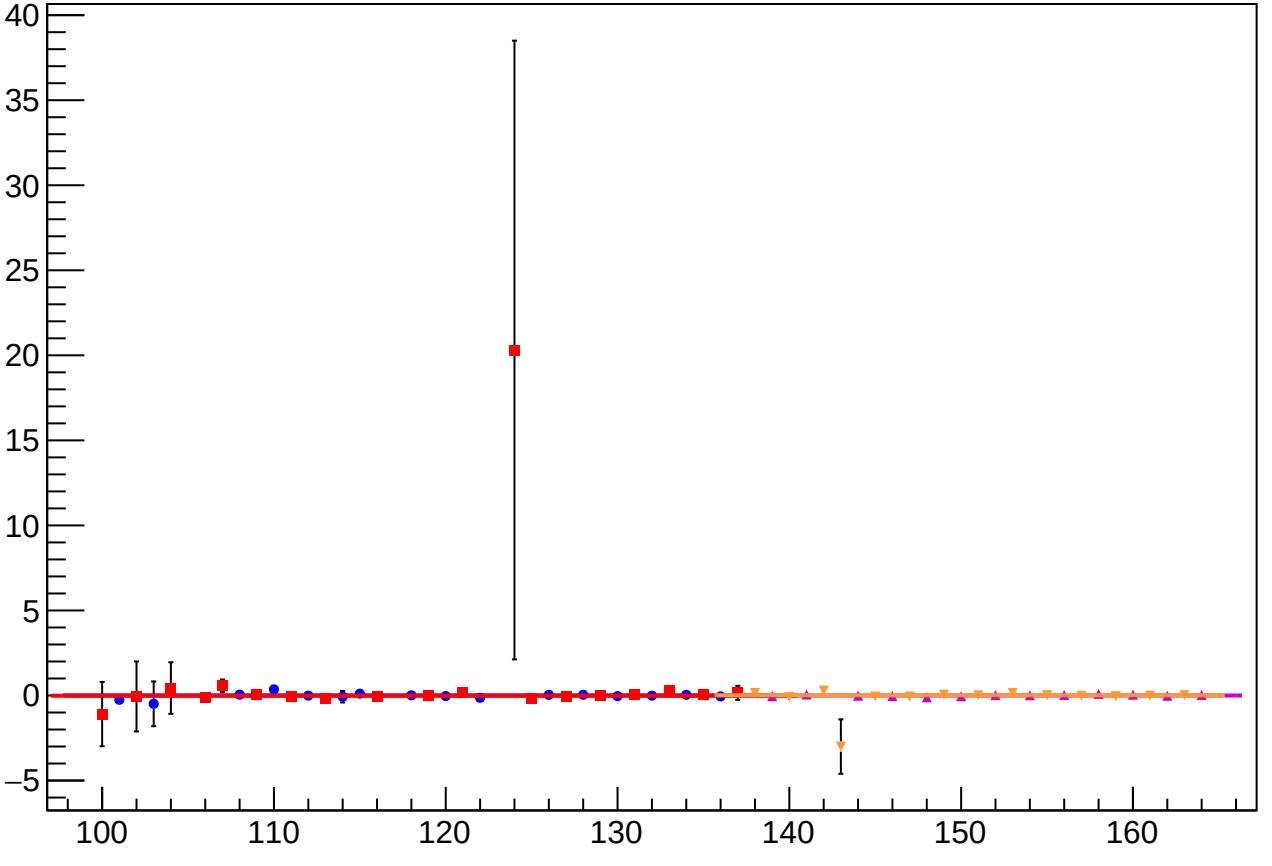
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.159+/-0.010 χ^2/NDF:4386999.4/28

Out: 48.427+/-0.010 χ^2/NDF:6478001.8/32

All: 48.799+/-0.007 χ^2/NDF: 10867920.3/61

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: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.001+/-0.016 χ^2/NDF:12.4/12

Left: 0.007+/-0.011 χ^2/NDF: 35.4/26

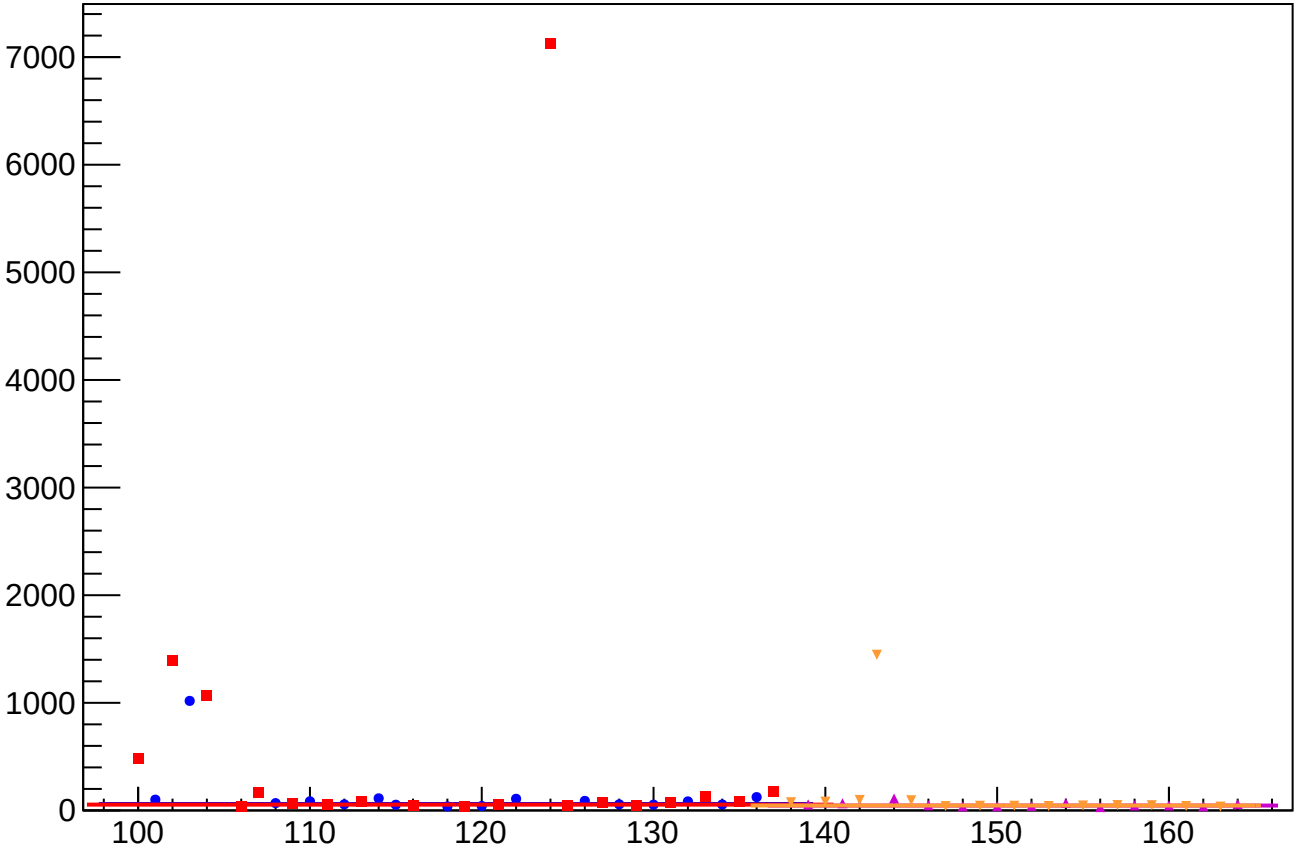
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.013 χ^2/NDF:23.8/28

Out: 0.007+/-0.014 χ^2/NDF:41.1/32

All: 0.004+/-0.010 χ^2/NDF: 64.9/61

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.159+/-0.011 χ^2/NDF:2815021.8/13

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.535+/-0.011 χ^2/NDF:1420072.4/12

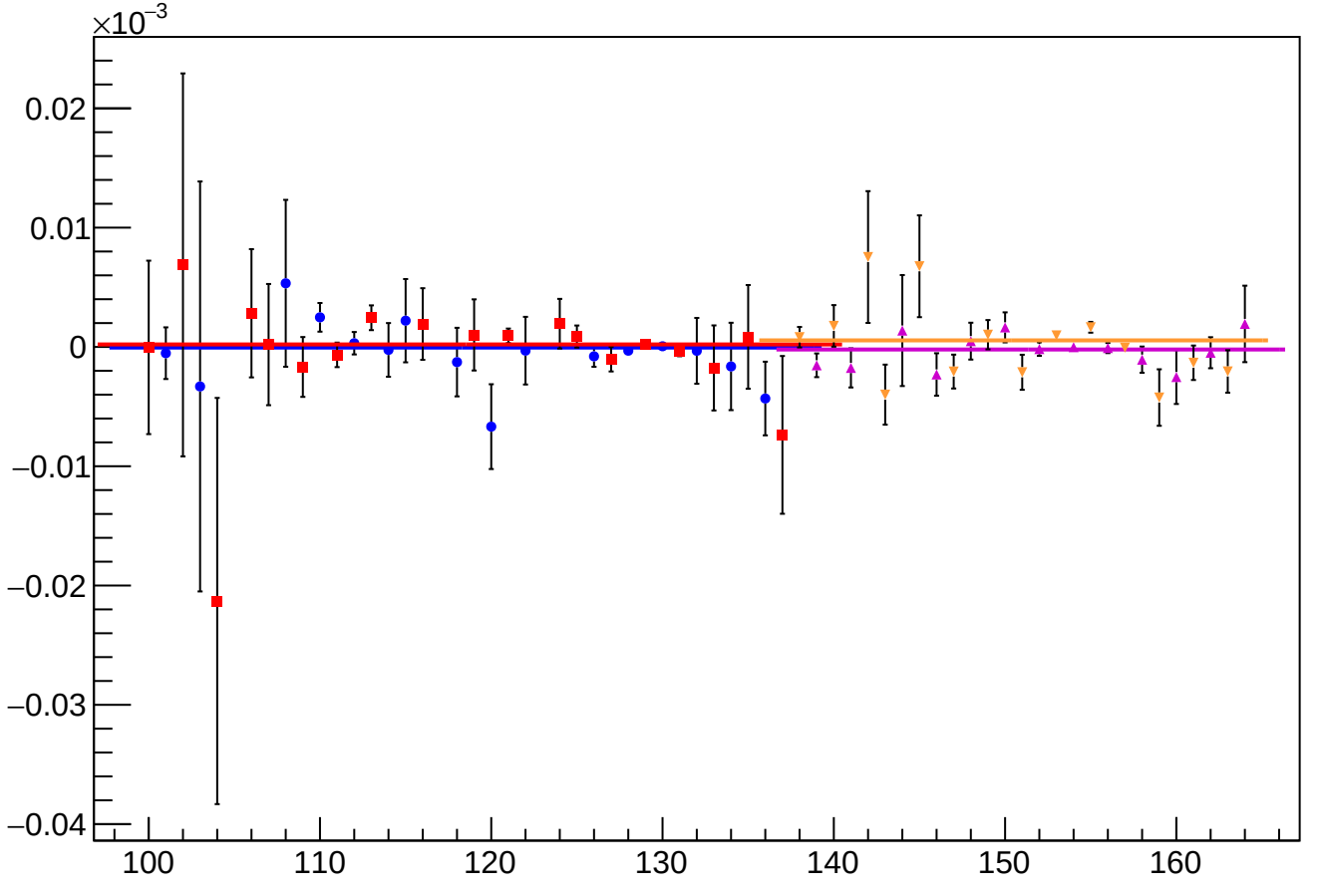
Left: 45.836+/-0.008 χ^2/NDF: 4236646.4/26

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 49.159+/-0.010 χ^2/NDF:4386999.4/28

Out: 48.427+/-0.010 χ^2/NDF:6478001.8/32

All: 48.799+/-0.007 χ^2/NDF: 10867920.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/12

Left: 0.000+/-0.000 χ^2/NDF: 47.0/26

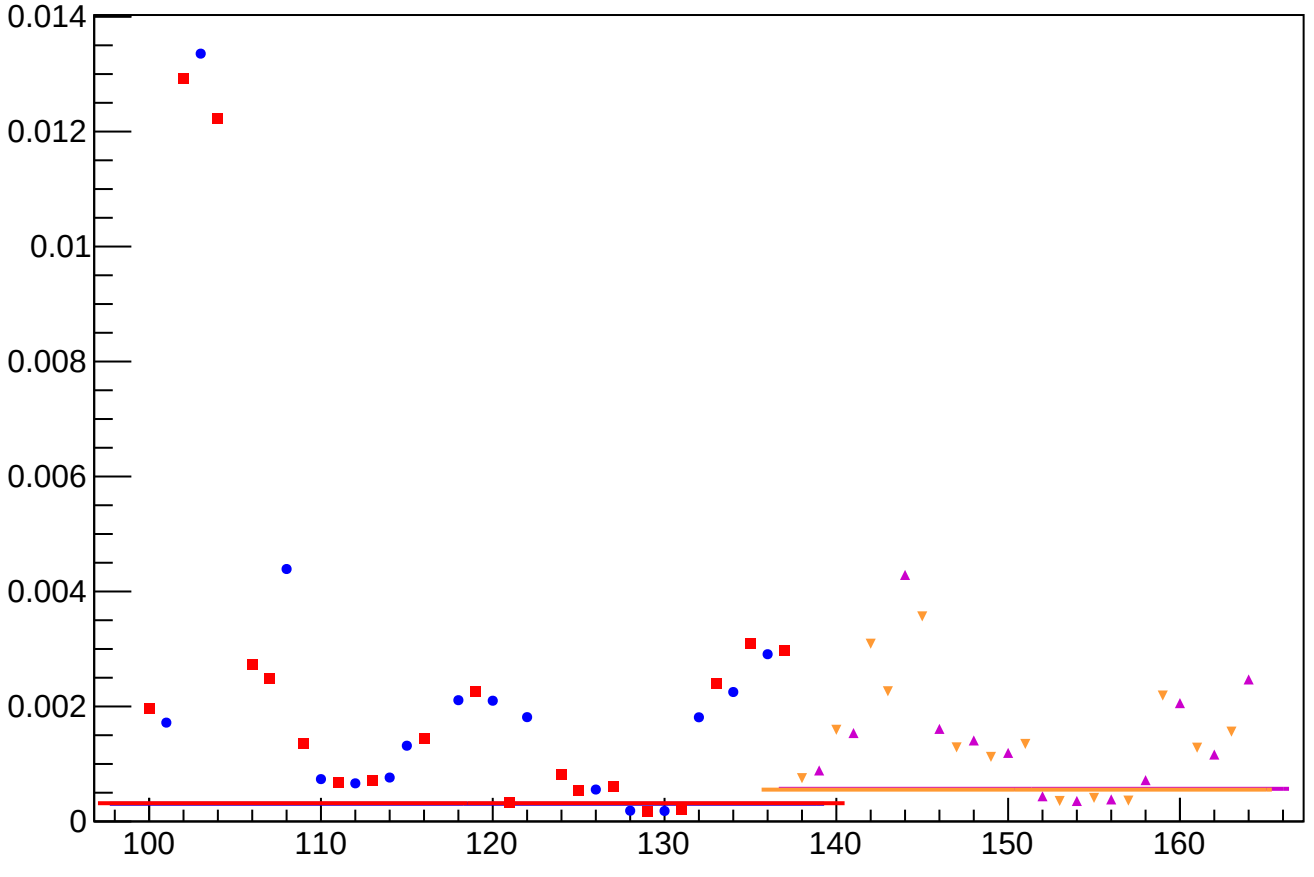
Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:22.1/28

Out: 0.000+/-0.000 χ^2/NDF:48.8/32

All: 0.000+/-0.000 χ^2/NDF: 76.6/61

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:7997067.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:7089781.8/12

Left: 0.001+/-0.000 χ^2/NDF: 15091187.0/26

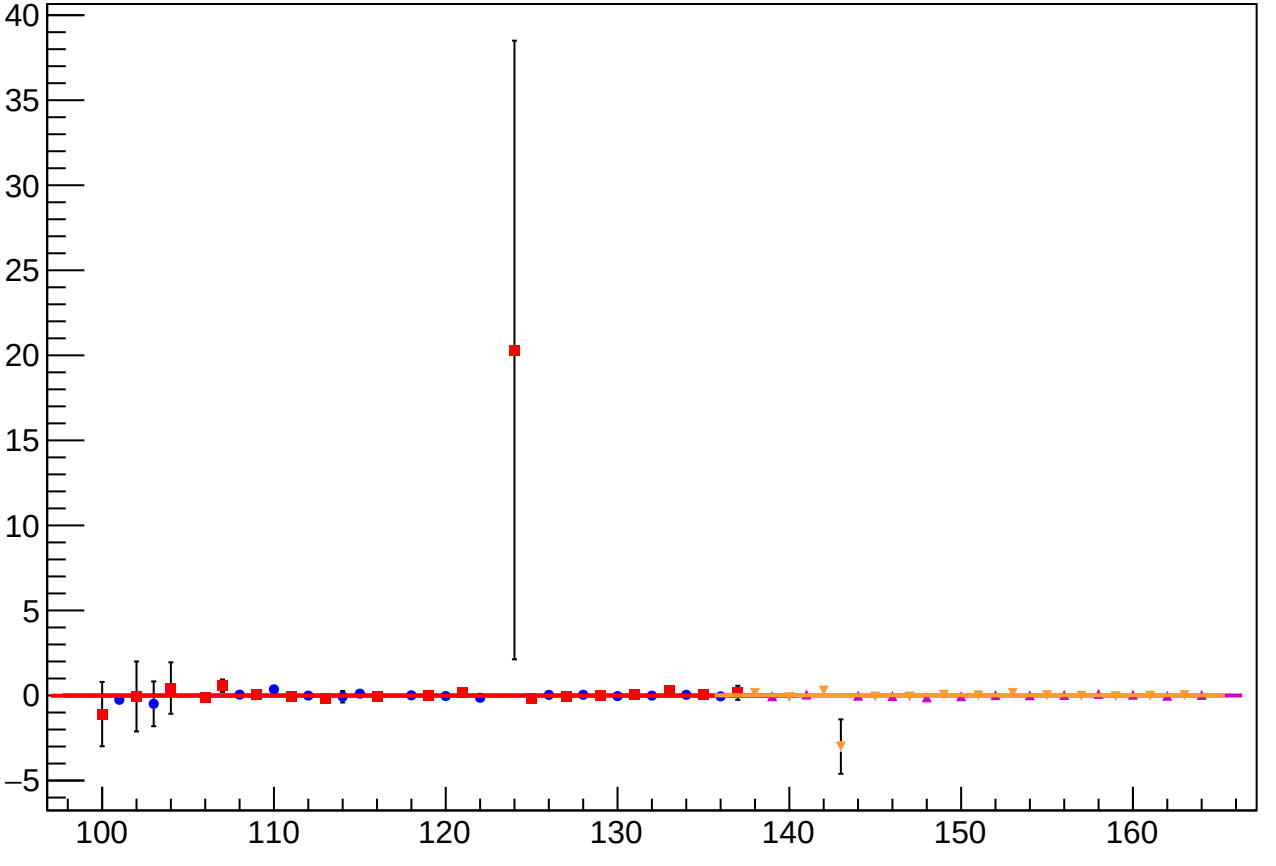
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:17389777.1/28

Out: 0.000+/-0.000 χ^2/NDF:17373521.1/32

All: 0.000+/-0.000 χ^2/NDF: 34764284.5/61

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: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.001+/-0.016 χ^2/NDF:12.4/12

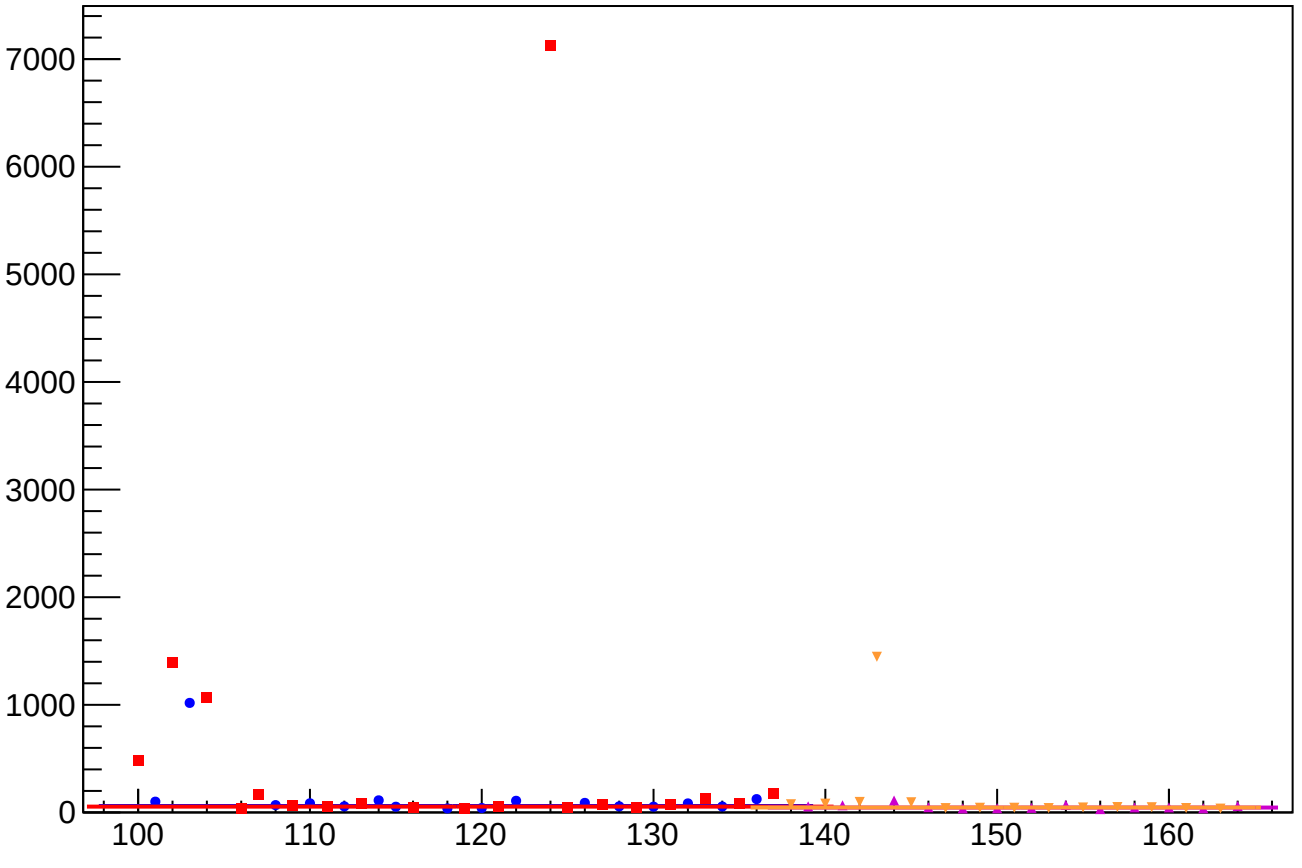
Left: 0.007+/-0.011 χ^2/NDF: 35.4/26

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.013 χ^2/NDF:23.8/28

Out: 0.007+/-0.014 χ^2/NDF:41.1/32

All: 0.004+/-0.010 χ^2/NDF: 64.9/61



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.159+/-0.011 χ^2/NDF:2815006.0/13

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.535+/-0.011 χ^2/NDF:1420073.1/12

Left: 45.836+/-0.008 χ^2/NDF: 4236632.4/26

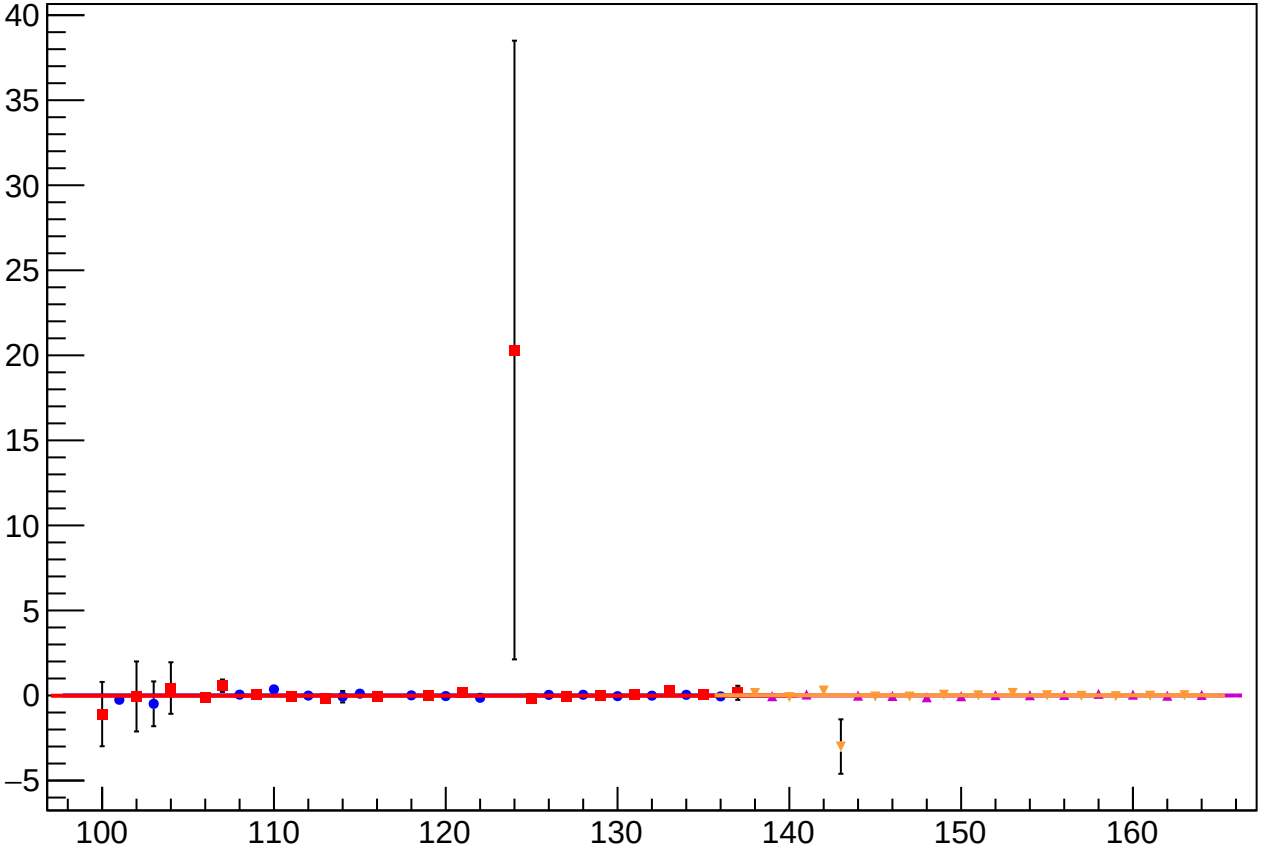
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.159+/-0.010 χ^2/NDF:4387006.2/28

Out: 48.426+/-0.010 χ^2/NDF:6478005.2/32

All: 48.799+/-0.007 χ^2/NDF: 10867930.7/61

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: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: 0.001+/-0.016 χ^2/NDF:12.4/12

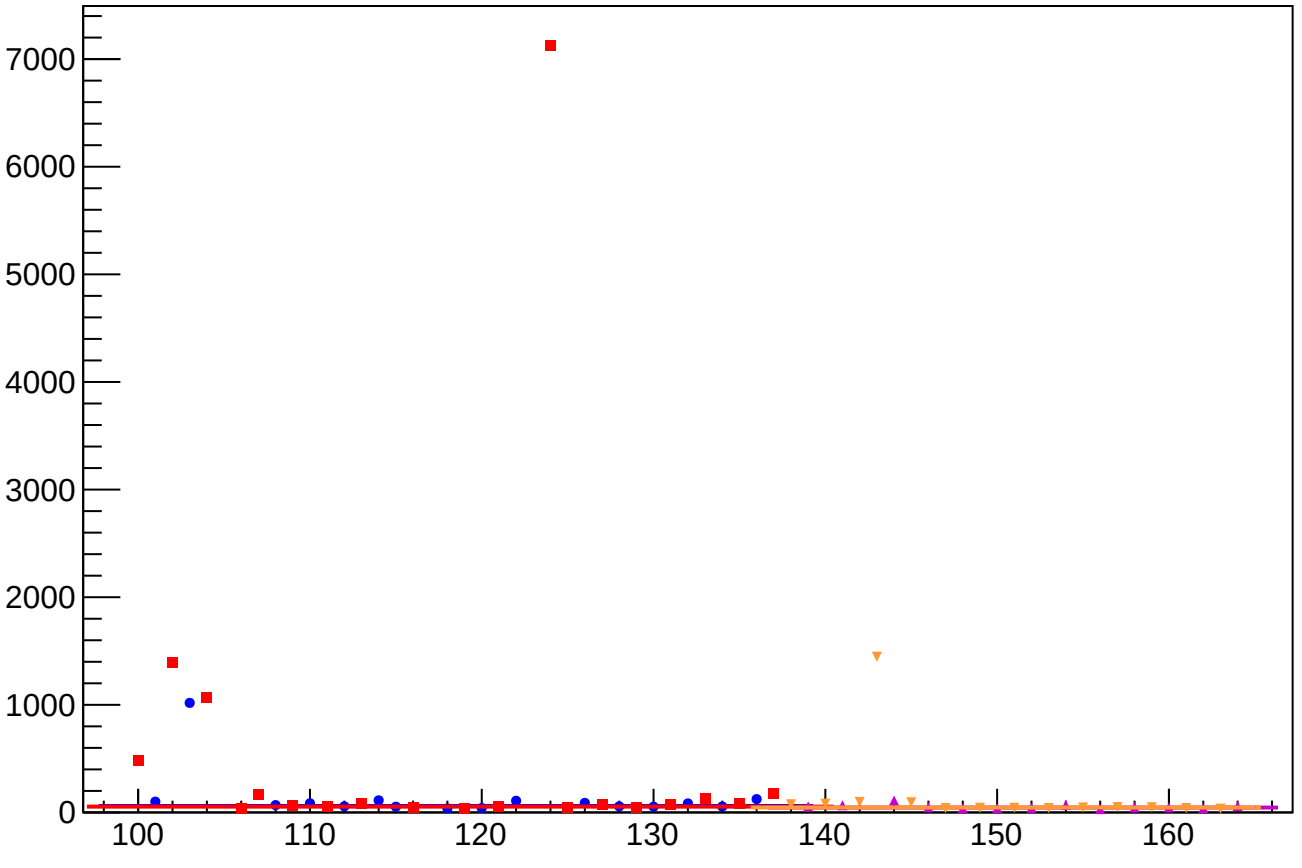
Left: 0.007+/-0.011 χ^2/NDF: 35.4/26

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.002+/-0.013 χ^2/NDF:23.8/28

Out: 0.007+/-0.014 χ^2/NDF:41.1/32

All: 0.004+/-0.010 χ^2/NDF: 64.9/61



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.159+/-0.011 χ^2/NDF:2815006.0/13

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.535+/-0.011 χ^2/NDF:1420073.1/12

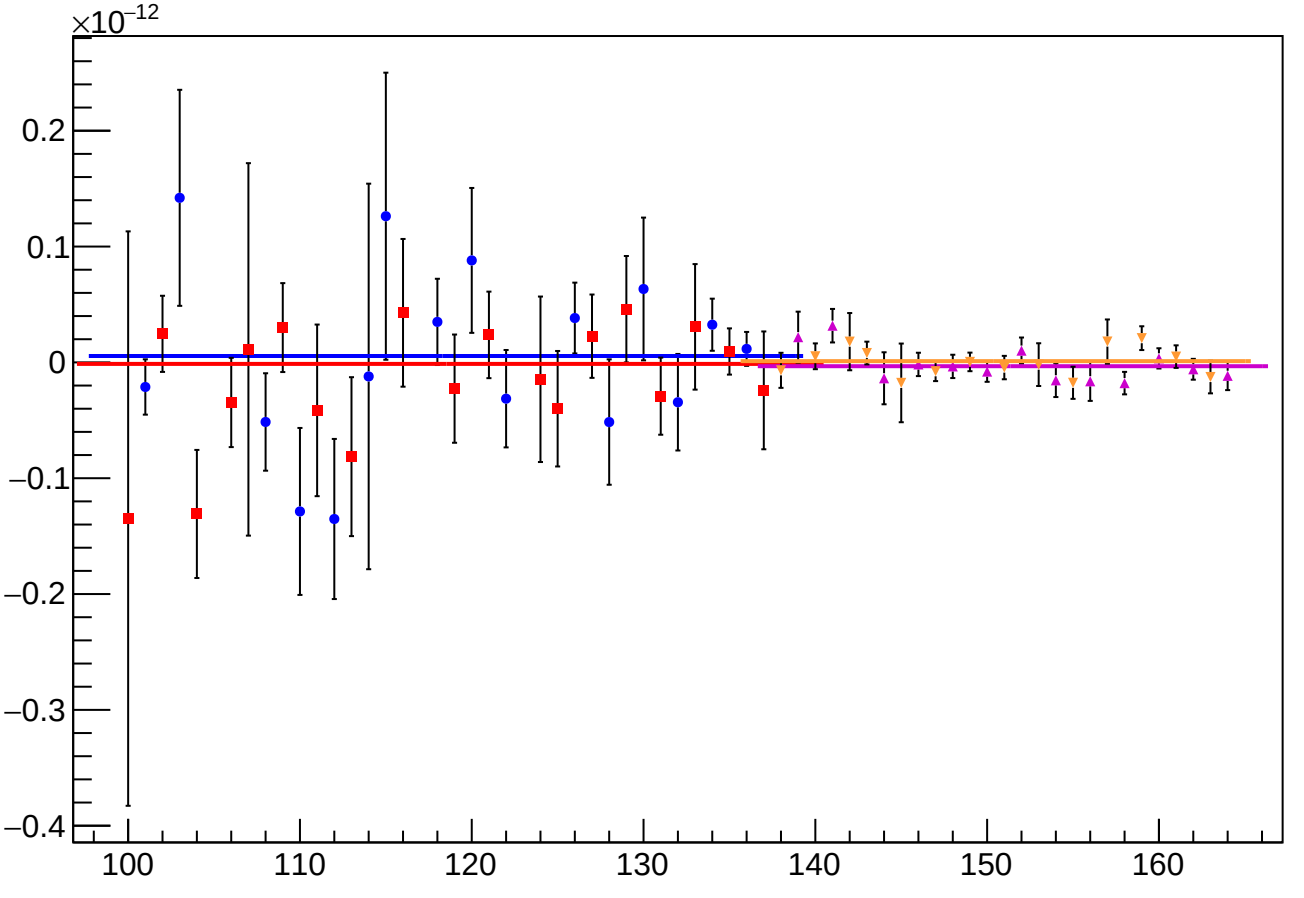
Left: 45.836+/-0.008 χ^2/NDF: 4236632.4/26

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 49.159+/-0.010 χ^2/NDF:4387006.2/28

Out: 48.426+/-0.010 χ^2/NDF:6478005.2/32

All: 48.799+/-0.007 χ^2/NDF: 10867930.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/12

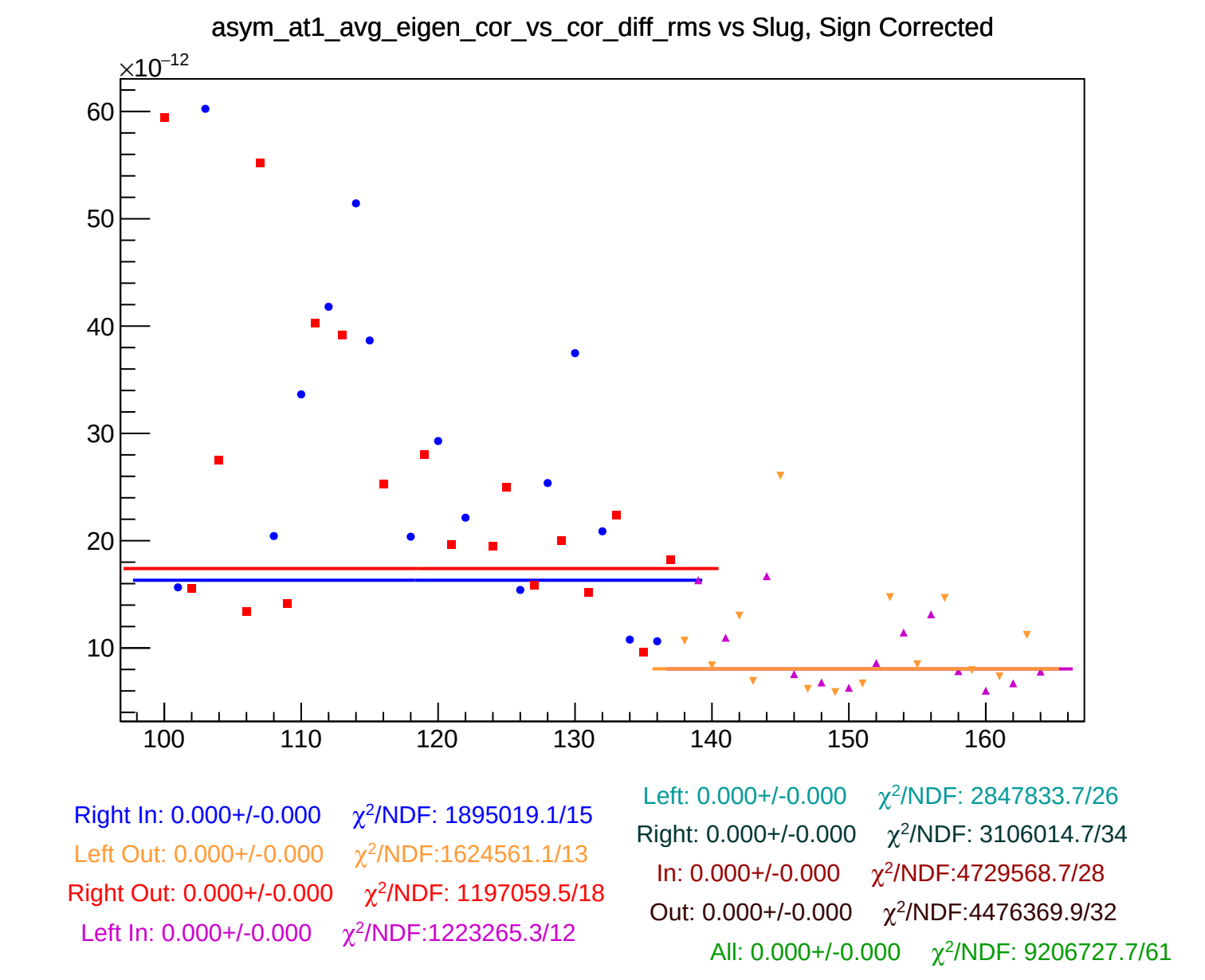
Left: -0.000+/-0.000 χ^2/NDF: 25.2/26

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

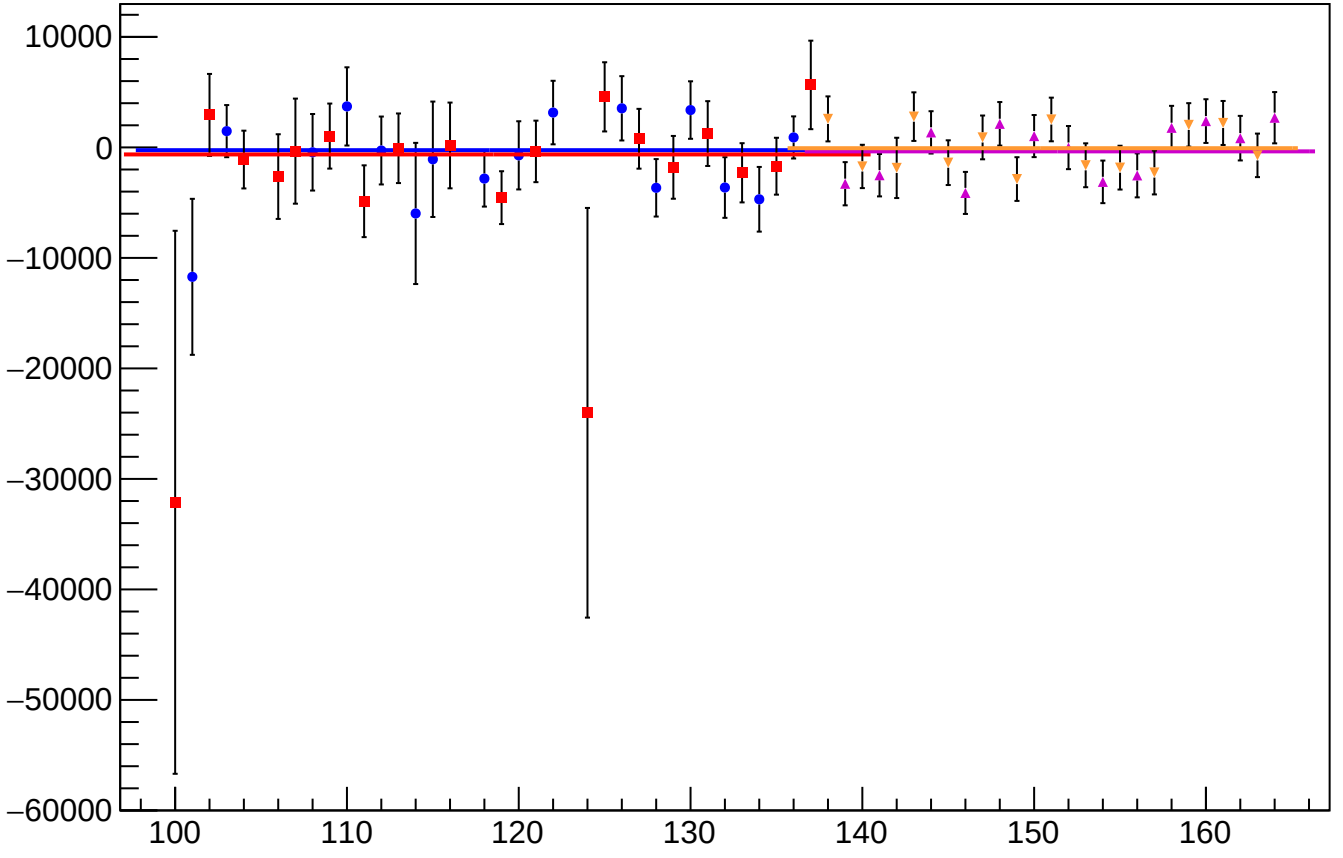
In: -0.000+/-0.000 χ^2/NDF:37.3/28

Out: 0.000+/-0.000 χ^2/NDF:24.9/32

All: -0.000+/-0.000 χ^2/NDF: 62.7/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1624561.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1223265.3/12
Left: 0.000+/-0.000 χ²/NDF: 2847833.7/26
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:4729568.7/28
Out: 0.000+/-0.000 χ²/NDF:4476369.9/32
All: 0.000+/-0.000 χ²/NDF: 9206727.7/61

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -72.265+/-543.586 χ^2/NDF:14.1/13

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -359.217+/-547.098 χ^2/NDF:18.8/12

Left: -214.817+/-385.609 χ^2/NDF: 33.0/26

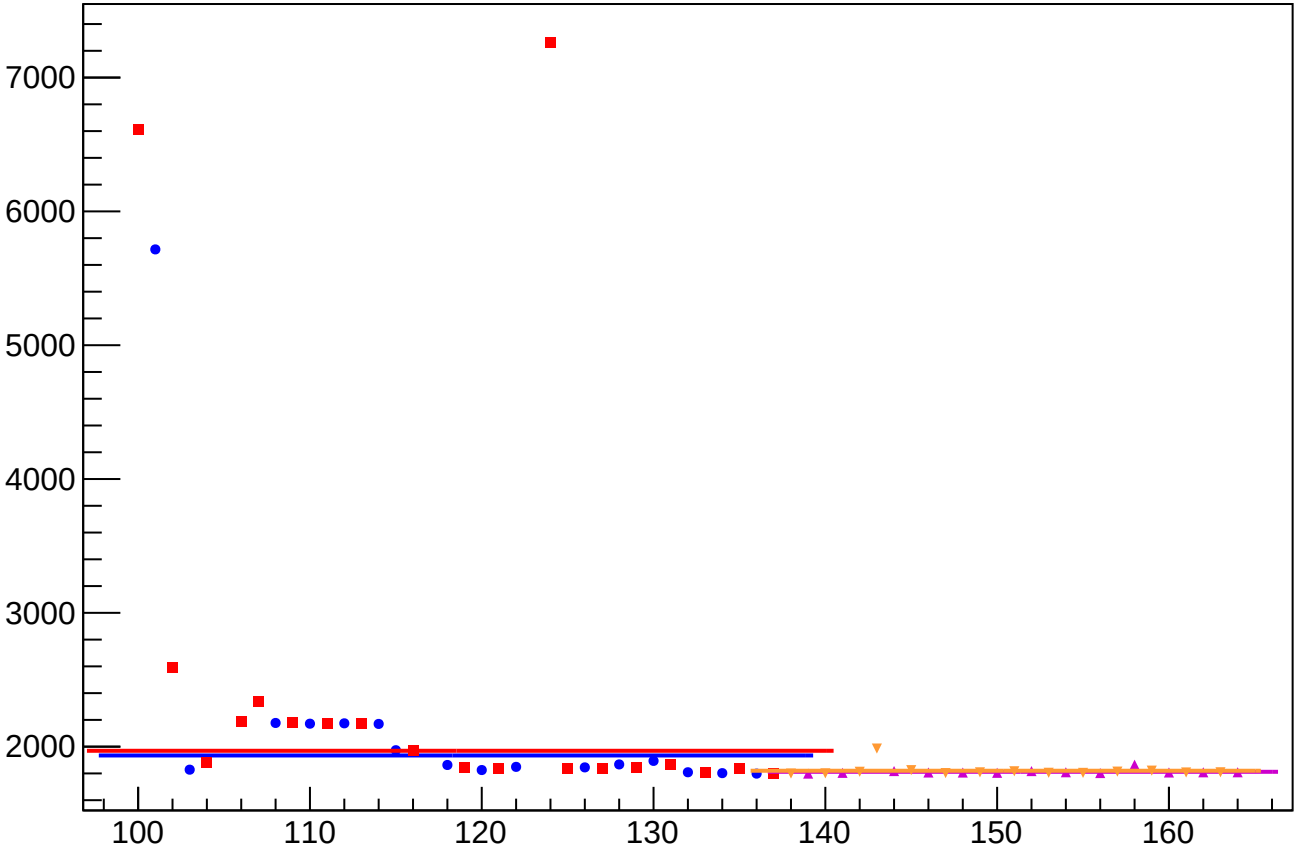
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -320.748+/-438.889 χ^2/NDF:36.0/28

Out: -271.449+/-437.147 χ^2/NDF:30.4/32

All: -296.001+/-309.724 χ^2/NDF: 66.4/61

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1820.023+/-0.384 χ^2/NDF:12479.1/13

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1812.106+/-0.387 χ^2/NDF:1730.8/12

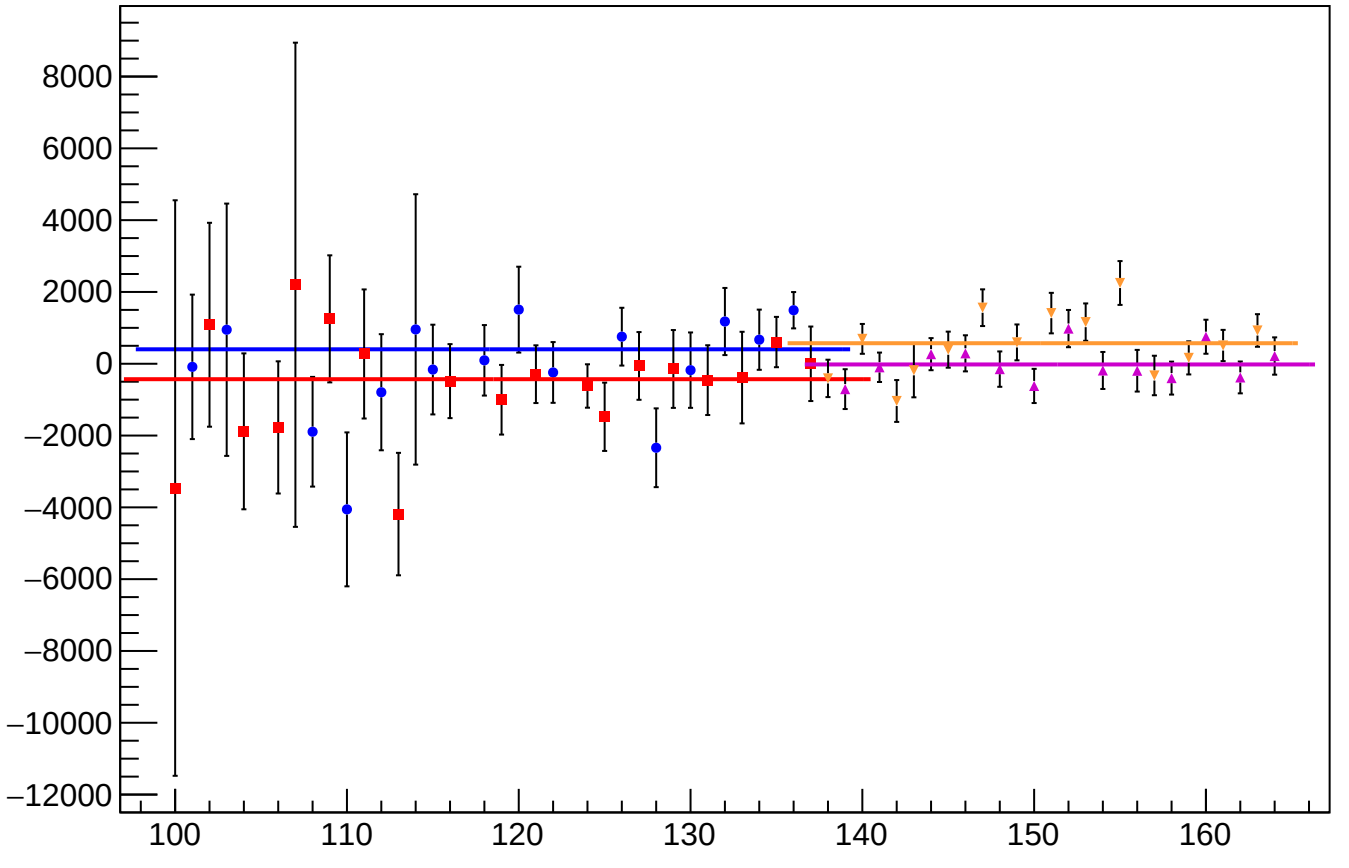
Left: 1816.090+/-0.273 χ^2/NDF: 14420.6/26

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1855.633+/-0.310 χ^2/NDF:677165.4/28

Out: 1872.726+/-0.309 χ^2/NDF:444073.2/32

All: 1864.213+/-0.219 χ^2/NDF: 1122761.4/61



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 571.994+/-136.549 χ^2/NDF:31.3/13

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -19.383+/-134.667 χ^2/NDF:12.1/12

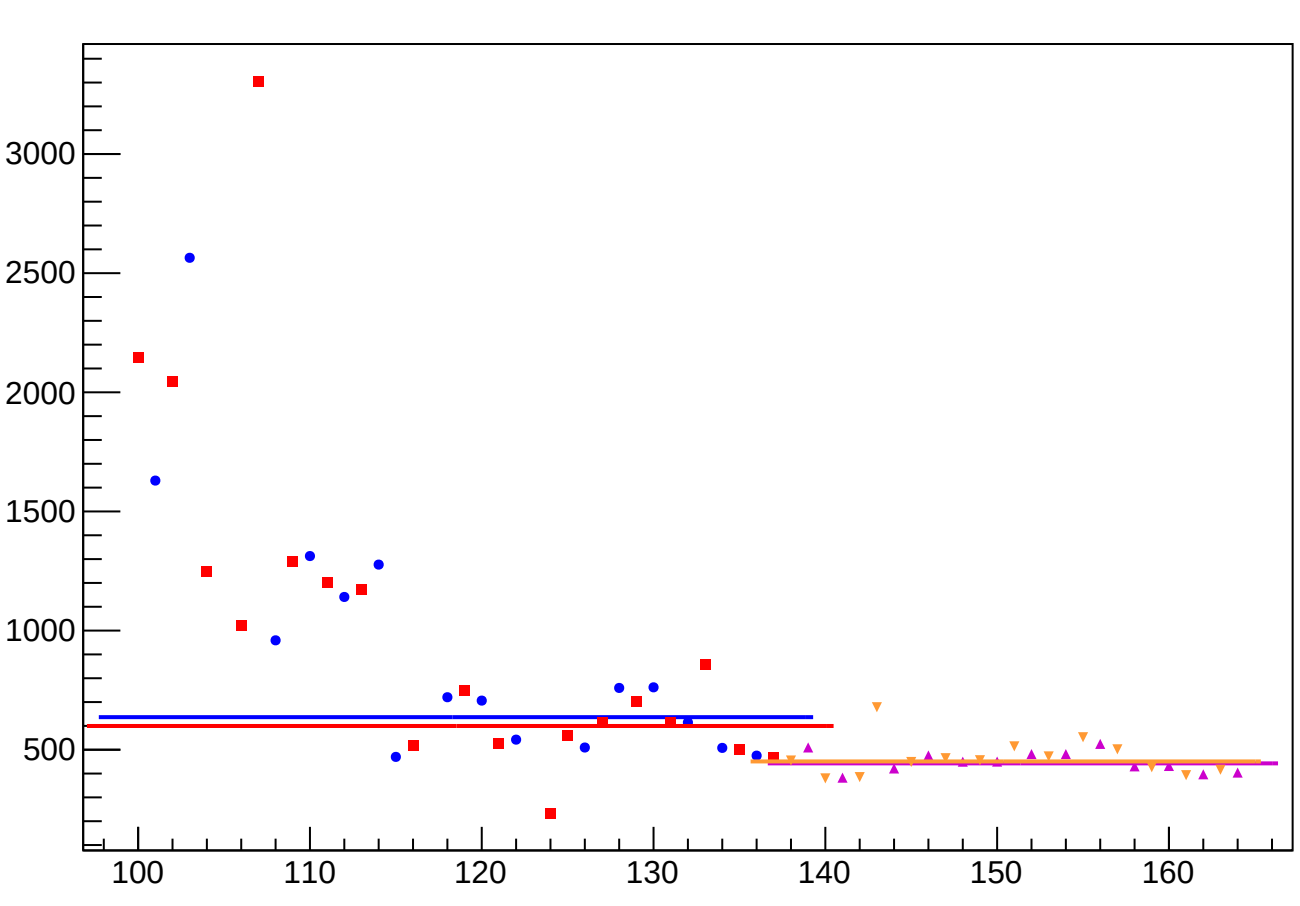
Left: 272.203+/-95.882 χ^2/NDF: 52.9/26

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 70.660+/-119.440 χ^2/NDF:35.4/28

Out: 345.700+/-120.145 χ^2/NDF:55.1/32

All: 207.370+/-84.705 χ^2/NDF: 93.1/61



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 450.860+/-0.097 χ^2/NDF:421101.1/13

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 442.717+/-0.095 χ^2/NDF:183533.8/12

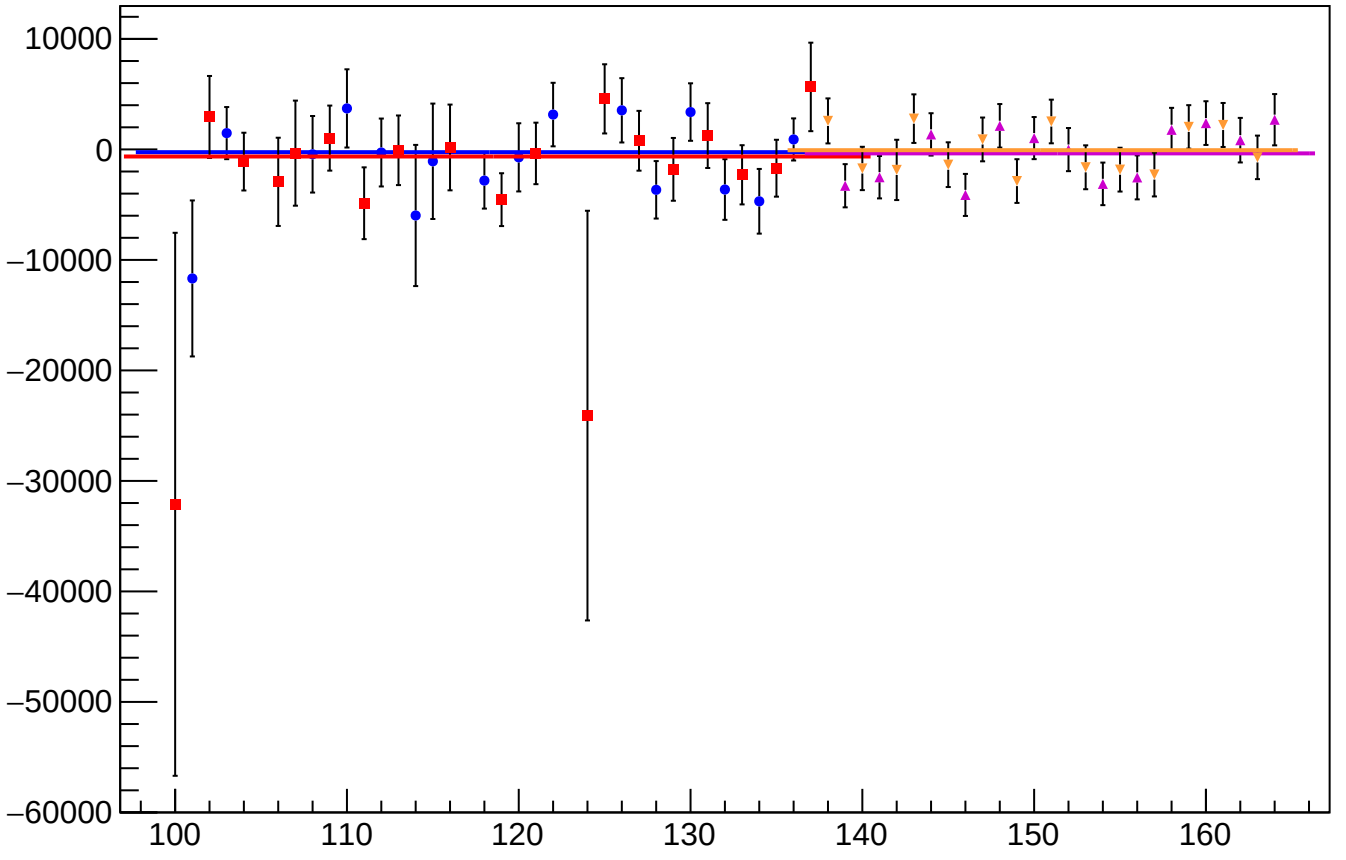
Left: 446.732+/-0.068 χ^2/NDF: 608240.5/26

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 484.106+/-0.084 χ^2/NDF:3135867.3/28

Out: 484.457+/-0.085 χ^2/NDF:3901333.3/32

All: 484.280+/-0.060 χ^2/NDF: 7037209.2/61



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -72.327+/-543.586 χ^2/NDF:14.1/13

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -359.184+/-547.098 χ^2/NDF:18.8/12

Left: -214.831+/-385.609 χ^2/NDF: 33.0/26

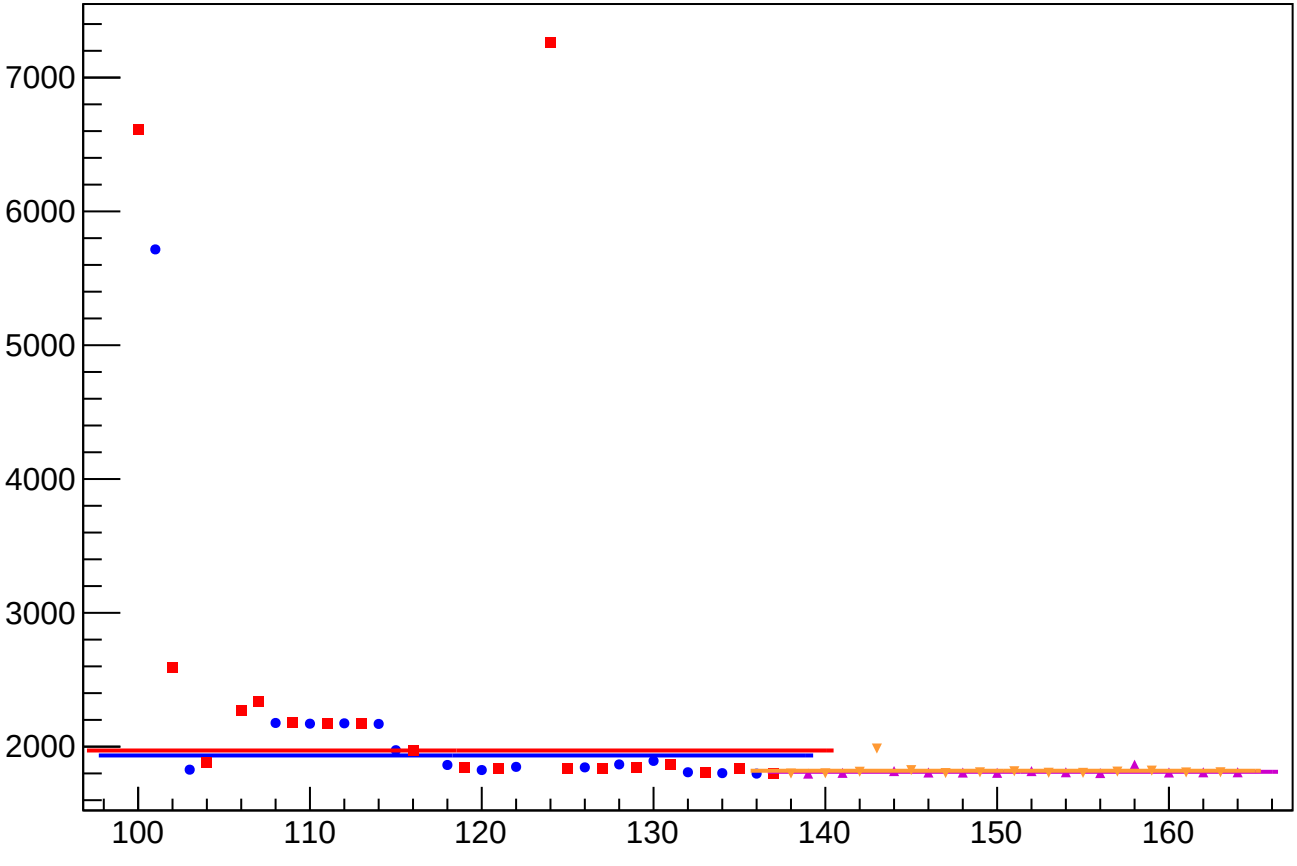
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -320.438+/-438.890 χ^2/NDF:36.0/28

Out: -272.800+/-437.371 χ^2/NDF:30.5/32

All: -296.537+/-309.804 χ^2/NDF: 66.5/61

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1820.023+/-0.384 χ^2/NDF:12479.1/13

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1812.106+/-0.387 χ^2/NDF:1730.8/12

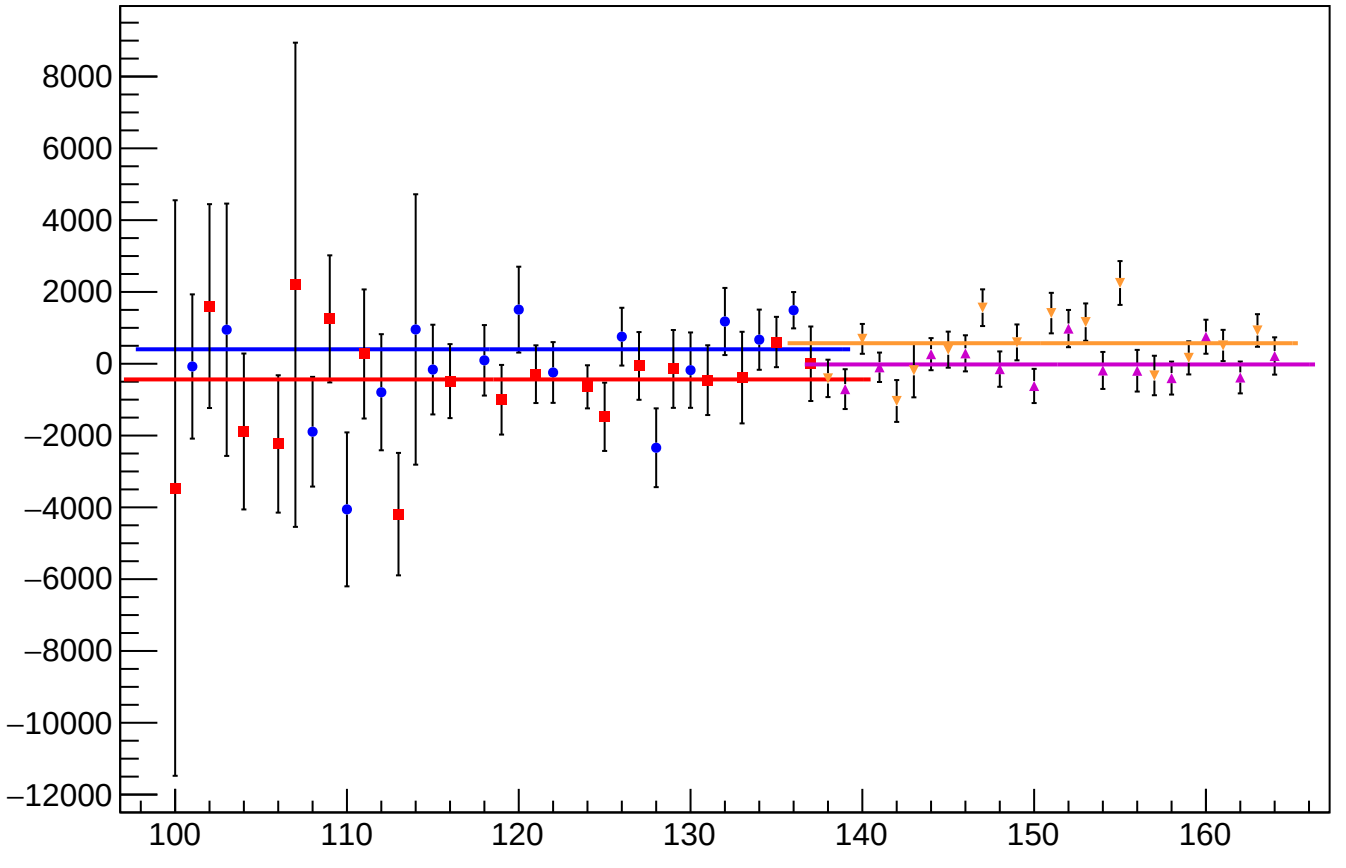
Left: 1816.090+/-0.273 χ^2/NDF: 14420.6/26

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1855.633+/-0.310 χ^2/NDF:677165.3/28

Out: 1873.386+/-0.309 χ^2/NDF:450314.8/32

All: 1864.540+/-0.219 χ^2/NDF: 1129121.9/61



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 571.933+/-136.549 χ^2/NDF:31.3/13

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -19.384+/-134.666 χ^2/NDF:12.1/12

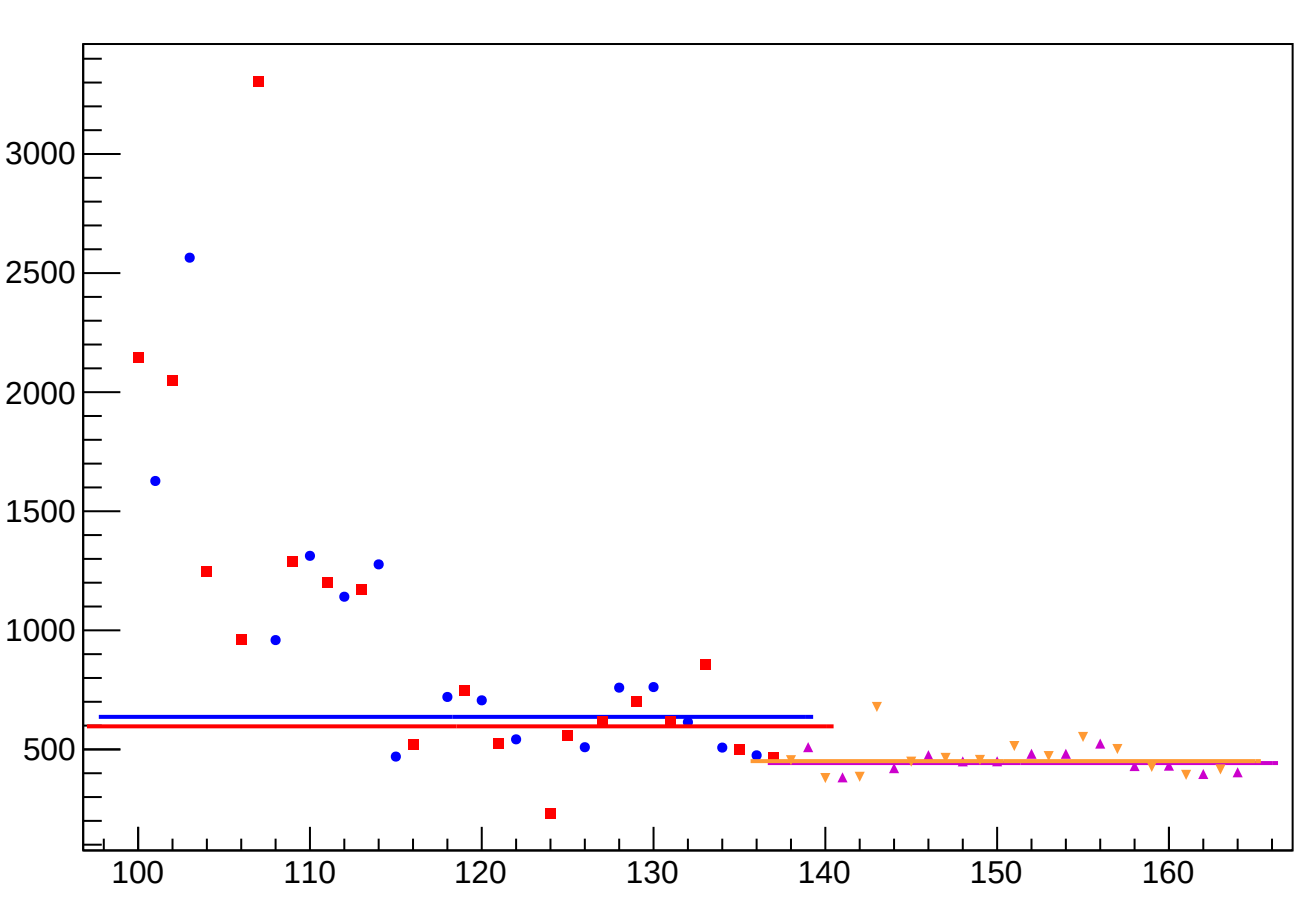
Left: 272.171+/-95.882 χ^2/NDF: 52.9/26

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 70.680+/-119.438 χ^2/NDF:35.4/28

Out: 343.947+/-120.129 χ^2/NDF:55.9/32

All: 206.525+/-84.699 χ^2/NDF: 93.9/61



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 450.858+/-0.097 χ^2/NDF:421088.1/13

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 442.714+/-0.095 χ^2/NDF:183524.3/12

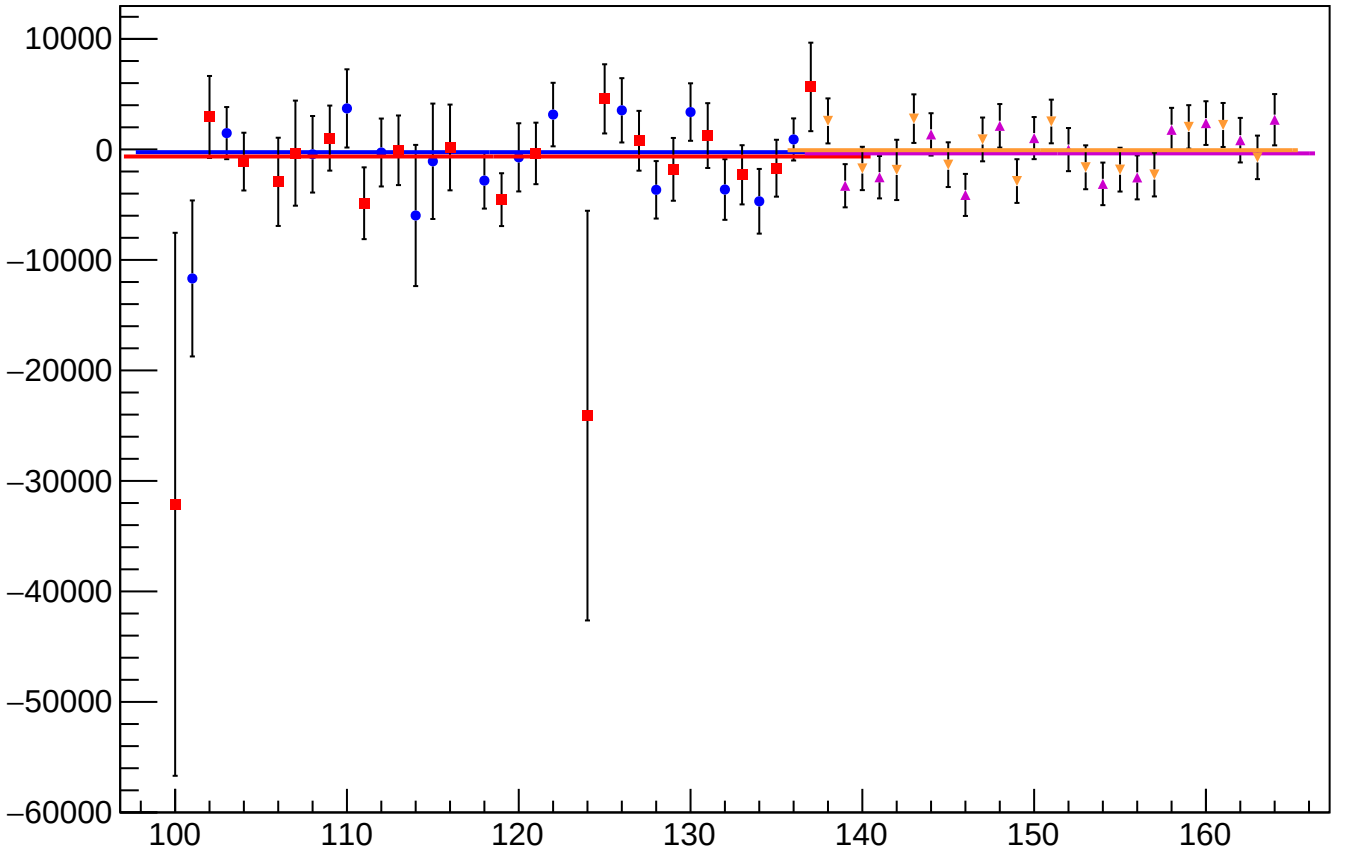
Left: 446.730+/-0.068 χ^2/NDF: 608219.1/26

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 484.106+/-0.084 χ^2/NDF:3135054.4/28

Out: 483.861+/-0.085 χ^2/NDF:3868377.2/32

All: 483.984+/-0.060 χ^2/NDF: 7003435.9/61



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -72.327+/-543.586 χ^2/NDF:14.1/13

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -359.184+/-547.098 χ^2/NDF:18.8/12

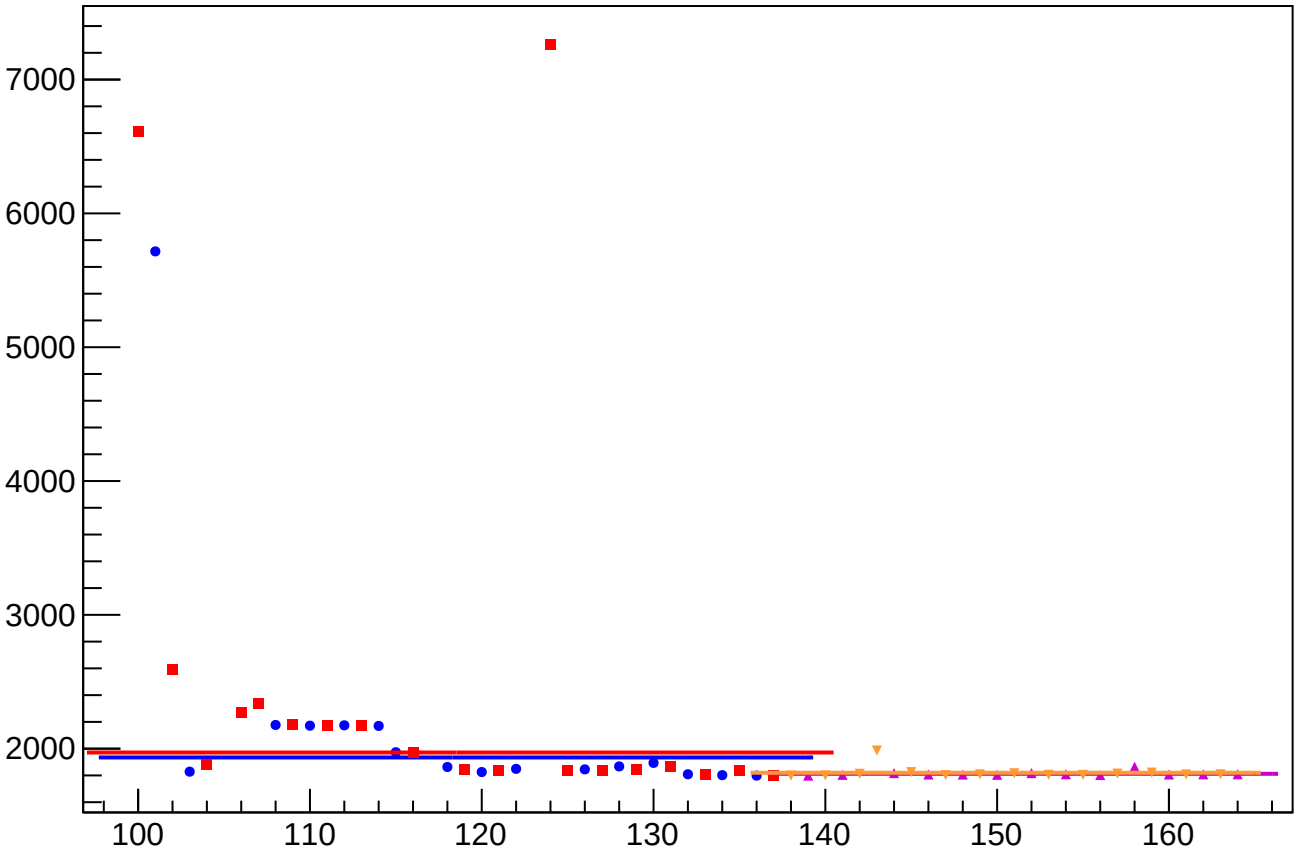
Left: -214.831+/-385.609 χ^2/NDF: 33.0/26

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -320.438+/-438.890 χ^2/NDF:36.0/28

Out: -272.800+/-437.371 χ^2/NDF:30.5/32

All: -296.537+/-309.804 χ^2/NDF: 66.5/61



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1820.023+/-0.384 χ^2/NDF:12479.1/13

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1812.106+/-0.387 χ^2/NDF:1730.8/12

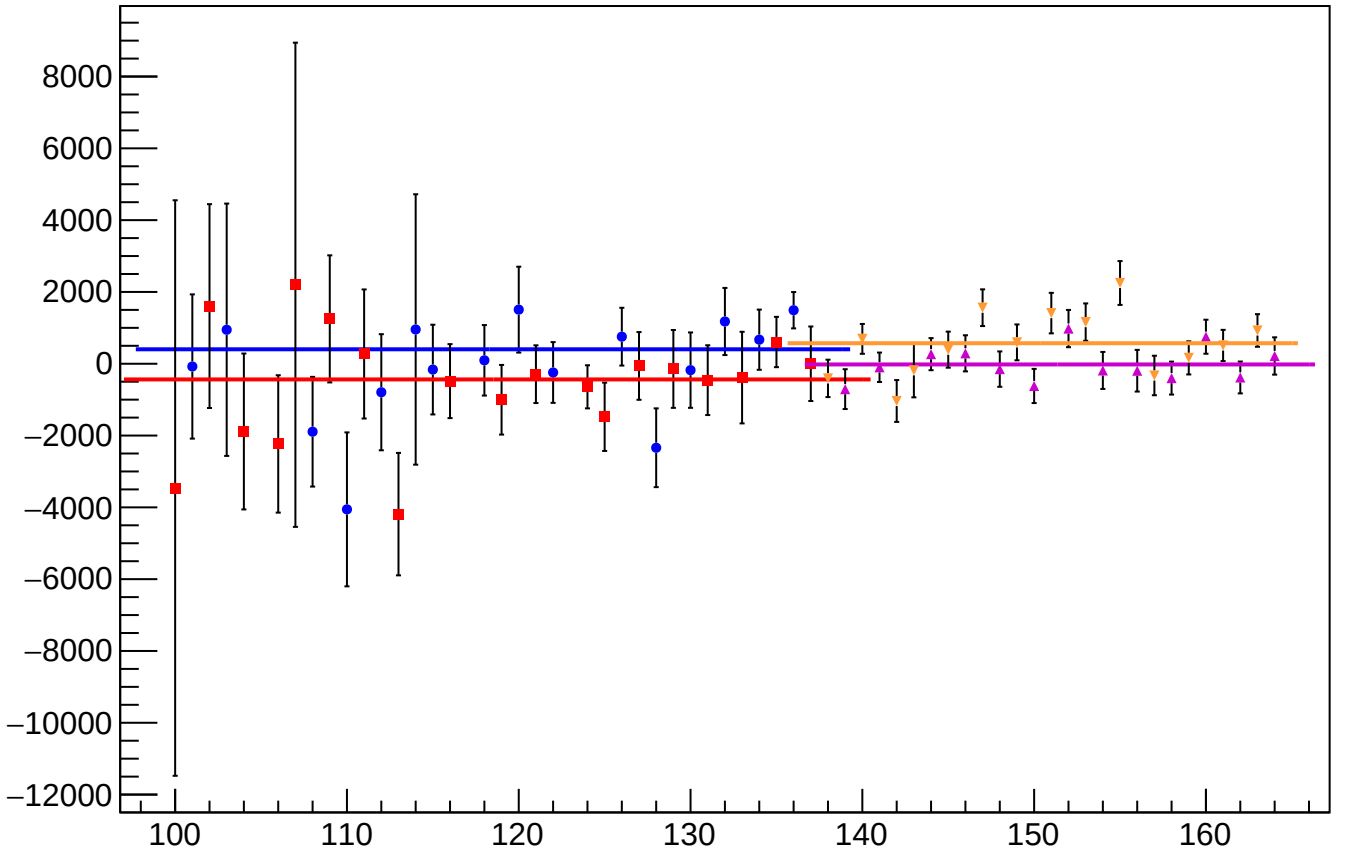
Left: 1816.090+/-0.273 χ^2/NDF: 14420.6/26

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1855.633+/-0.310 χ^2/NDF:677165.3/28

Out: 1873.386+/-0.309 χ^2/NDF:450314.8/32

All: 1864.540+/-0.219 χ^2/NDF: 1129121.9/61



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 571.933+/-136.549 χ^2/NDF:31.3/13

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -19.384+/-134.666 χ^2/NDF:12.1/12

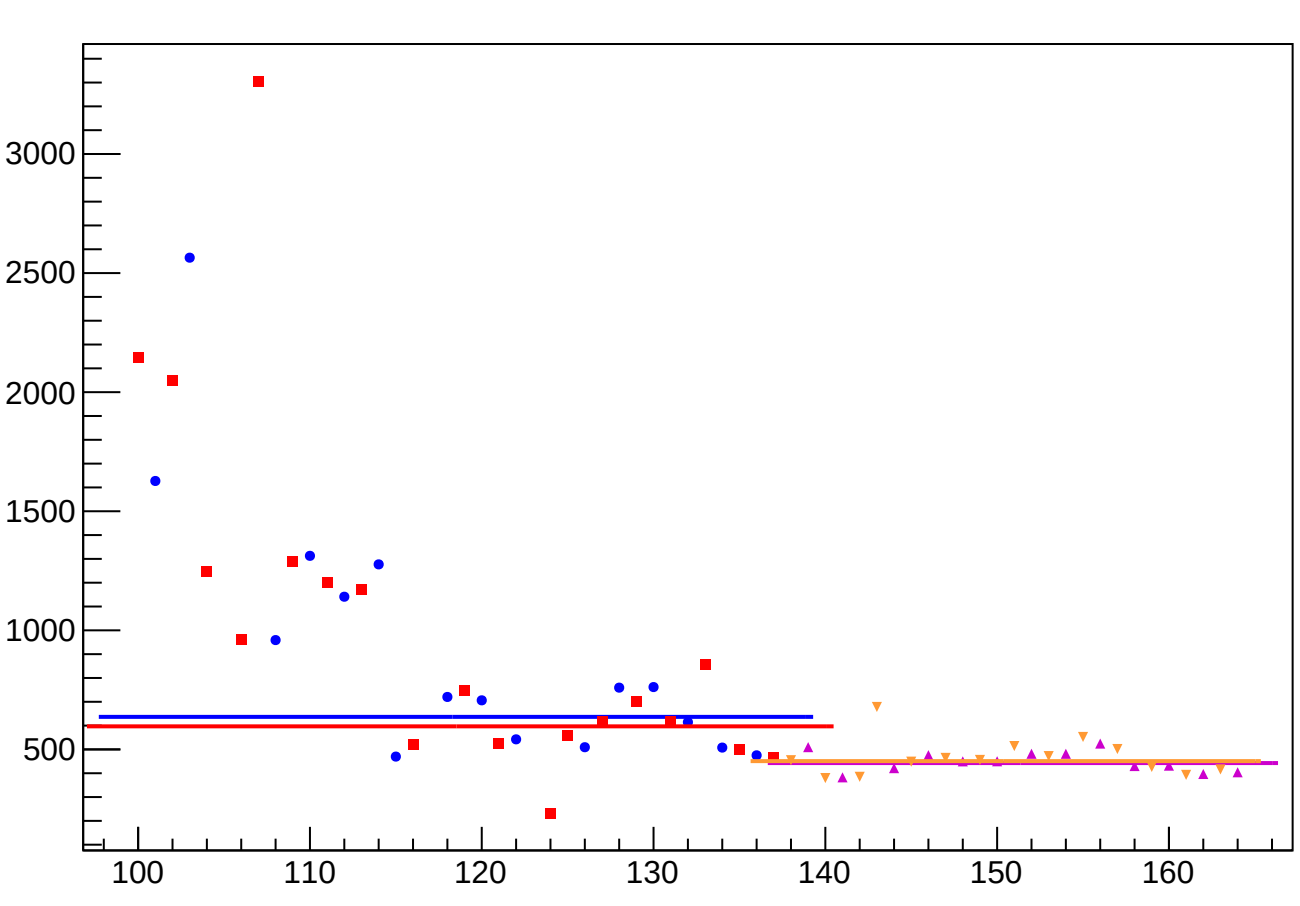
Left: 272.171+/-95.882 χ^2/NDF: 52.9/26

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 70.680+/-119.438 χ^2/NDF:35.4/28

Out: 343.947+/-120.129 χ^2/NDF:55.9/32

All: 206.525+/-84.699 χ^2/NDF: 93.9/61



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 450.858+/-0.097 χ^2/NDF:421088.1/13

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 442.714+/-0.095 χ^2/NDF:183524.3/12

Left: 446.730+/-0.068 χ^2/NDF: 608219.1/26

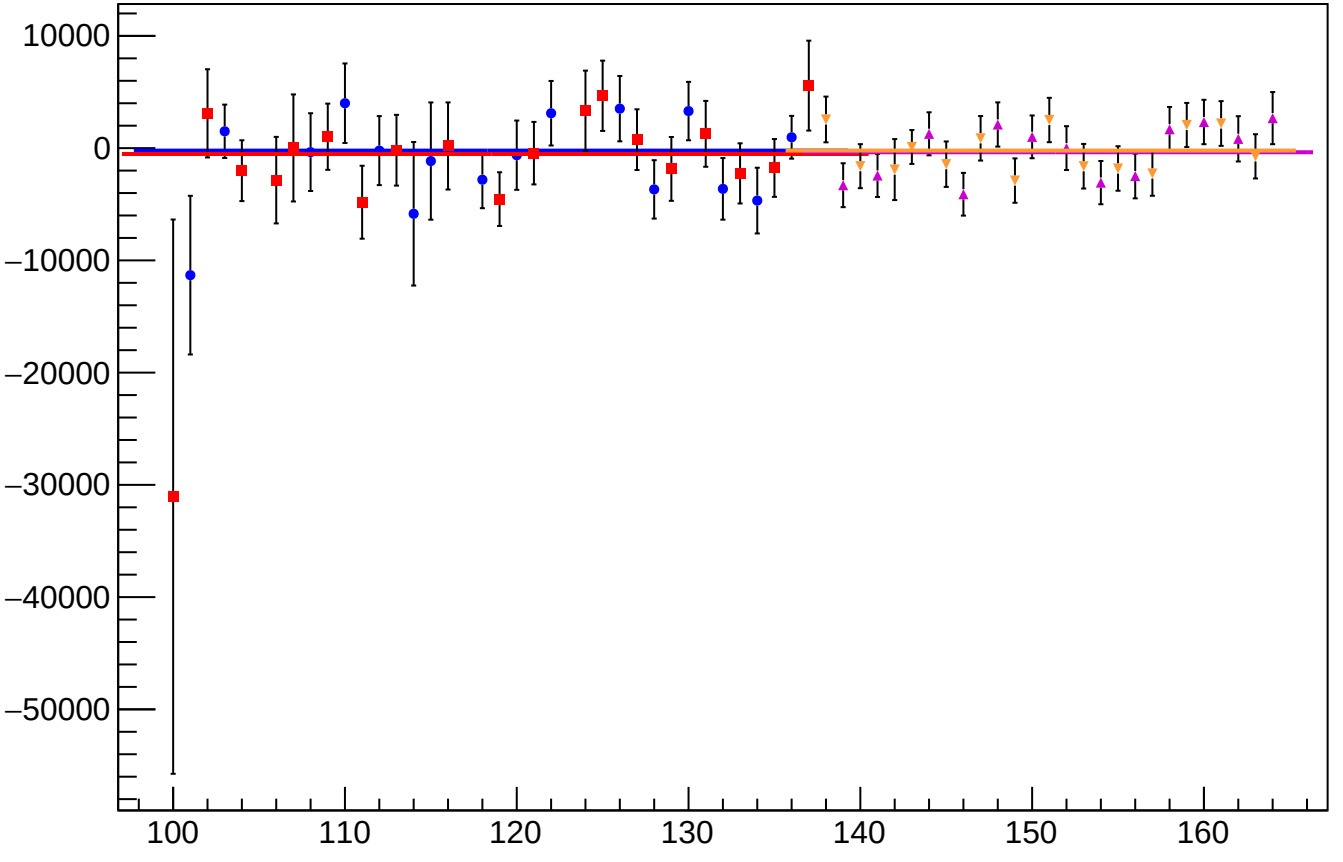
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 484.106+/-0.084 χ^2/NDF:3135054.4/28

Out: 483.861+/-0.085 χ^2/NDF:3868377.2/32

All: 483.984+/-0.060 χ^2/NDF: 7003435.9/61

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -216.364+/-525.946 χ^2/NDF:12.3/13

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -366.496+/-547.288 χ^2/NDF:18.2/12

Left: -288.446+/-379.221 χ^2/NDF: 30.5/26

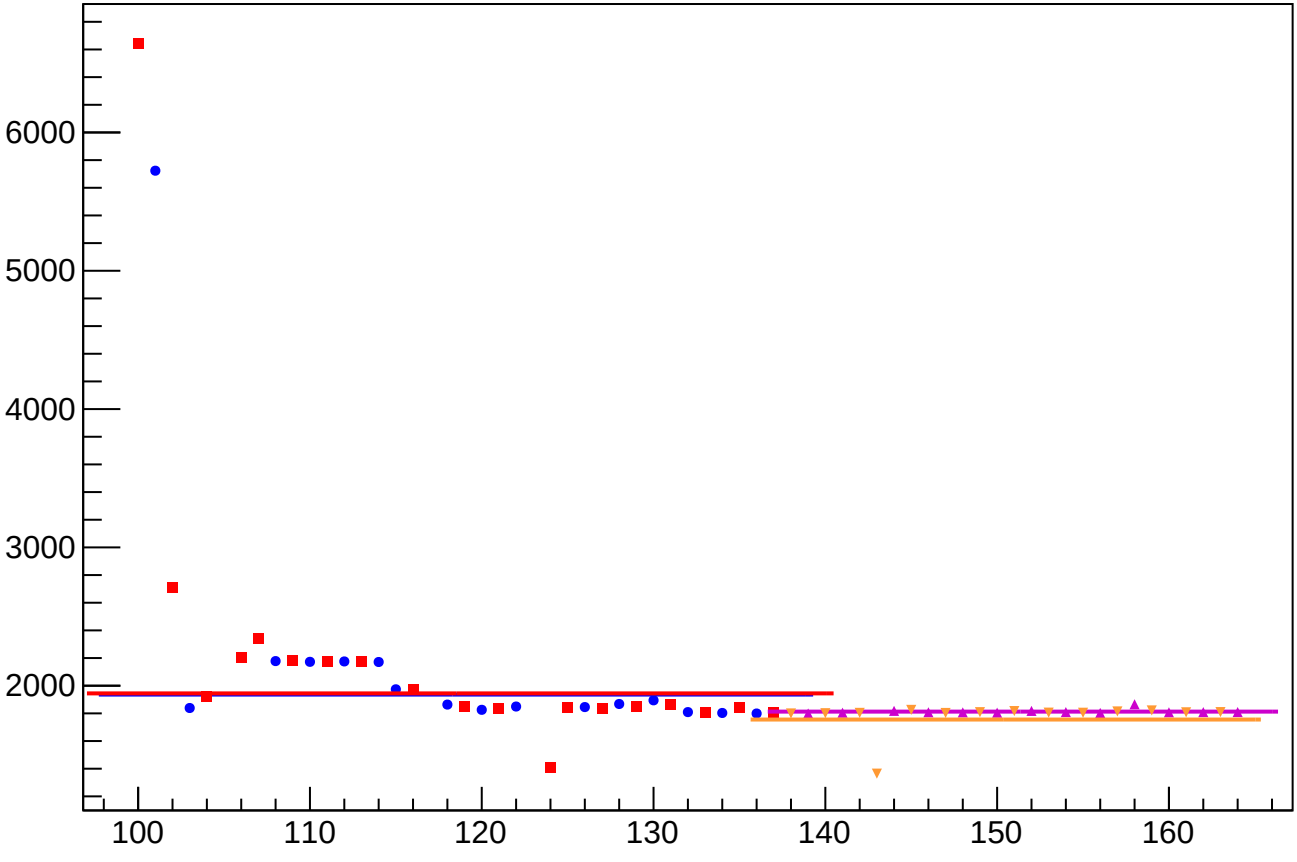
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -314.464+/-439.152 χ^2/NDF:35.4/28

Out: -321.155+/-425.718 χ^2/NDF:28.0/32

All: -317.914+/-305.667 χ^2/NDF: 63.3/61

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1755.389+/-0.372 χ^2/NDF:153119.4/13

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1812.733+/-0.387 χ^2/NDF:1725.2/12

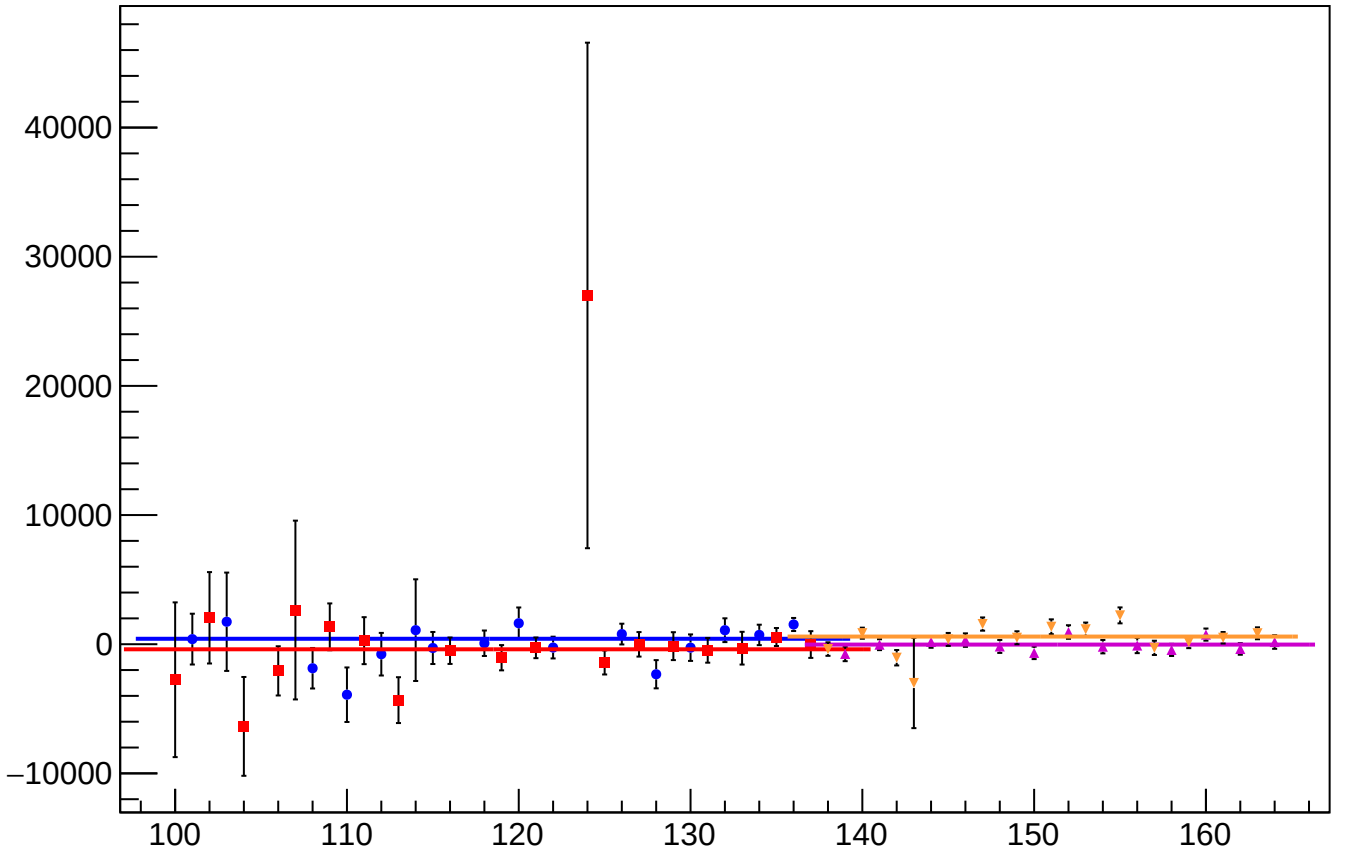
Left: 1782.921+/-0.268 χ^2/NDF: 166259.5/26

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1856.623+/-0.311 χ^2/NDF:677650.9/28

Out: 1820.597+/-0.301 χ^2/NDF:518498.8/32

All: 1838.050+/-0.216 χ^2/NDF: 1203088.5/61



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 592.026+/-140.667 χ^2/NDF:29.8/13

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -29.083+/-136.757 χ^2/NDF:11.9/12

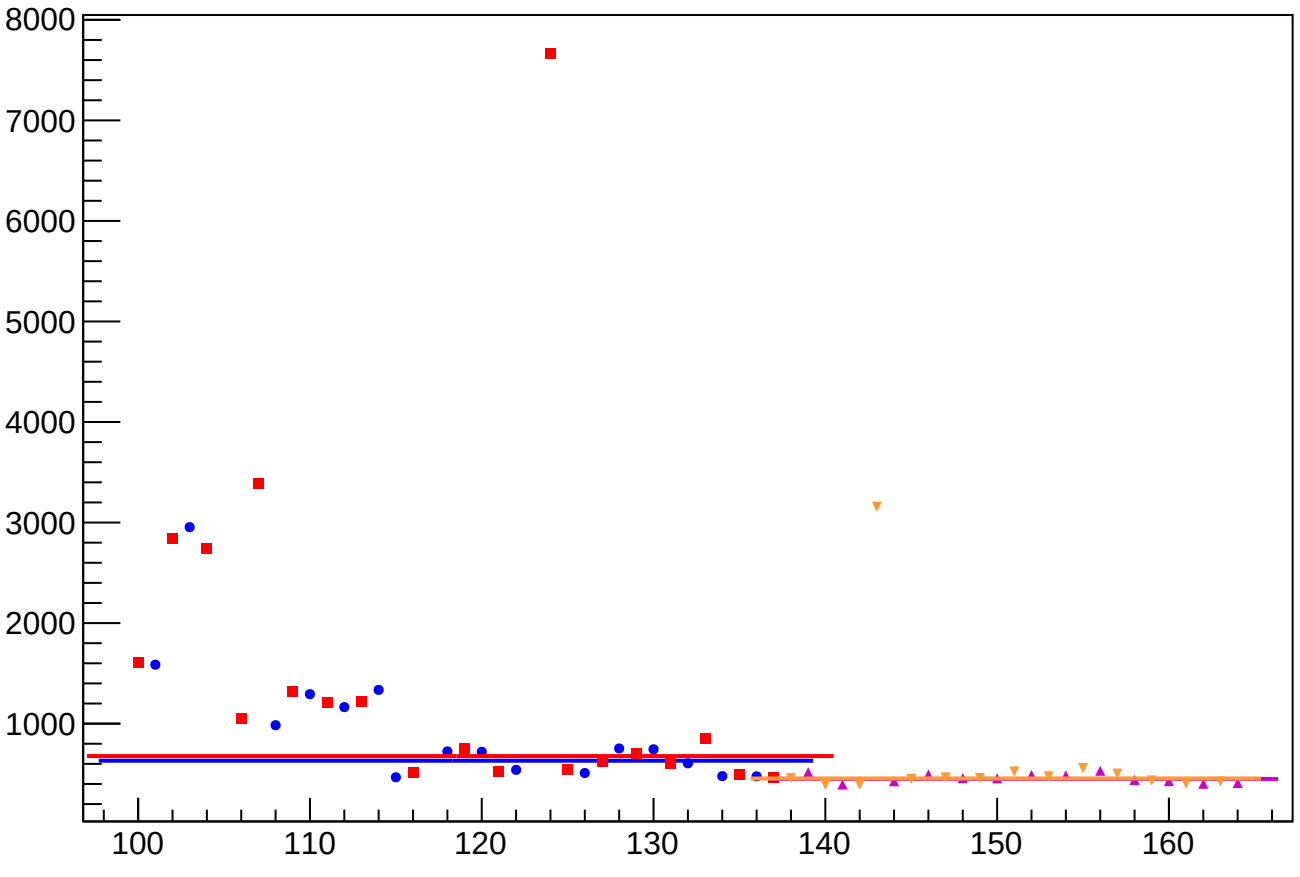
Left: 272.719+/-98.055 χ^2/NDF: 51.7/26

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 70.422+/-120.702 χ^2/NDF:35.7/28

Out: 392.902+/-125.657 χ^2/NDF:55.6/32

All: 225.179+/-87.048 χ^2/NDF: 94.8/61



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 454.442+/-0.099 χ^2/NDF:1405150.2/13

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 450.045+/-0.097 χ^2/NDF:181475.0/12

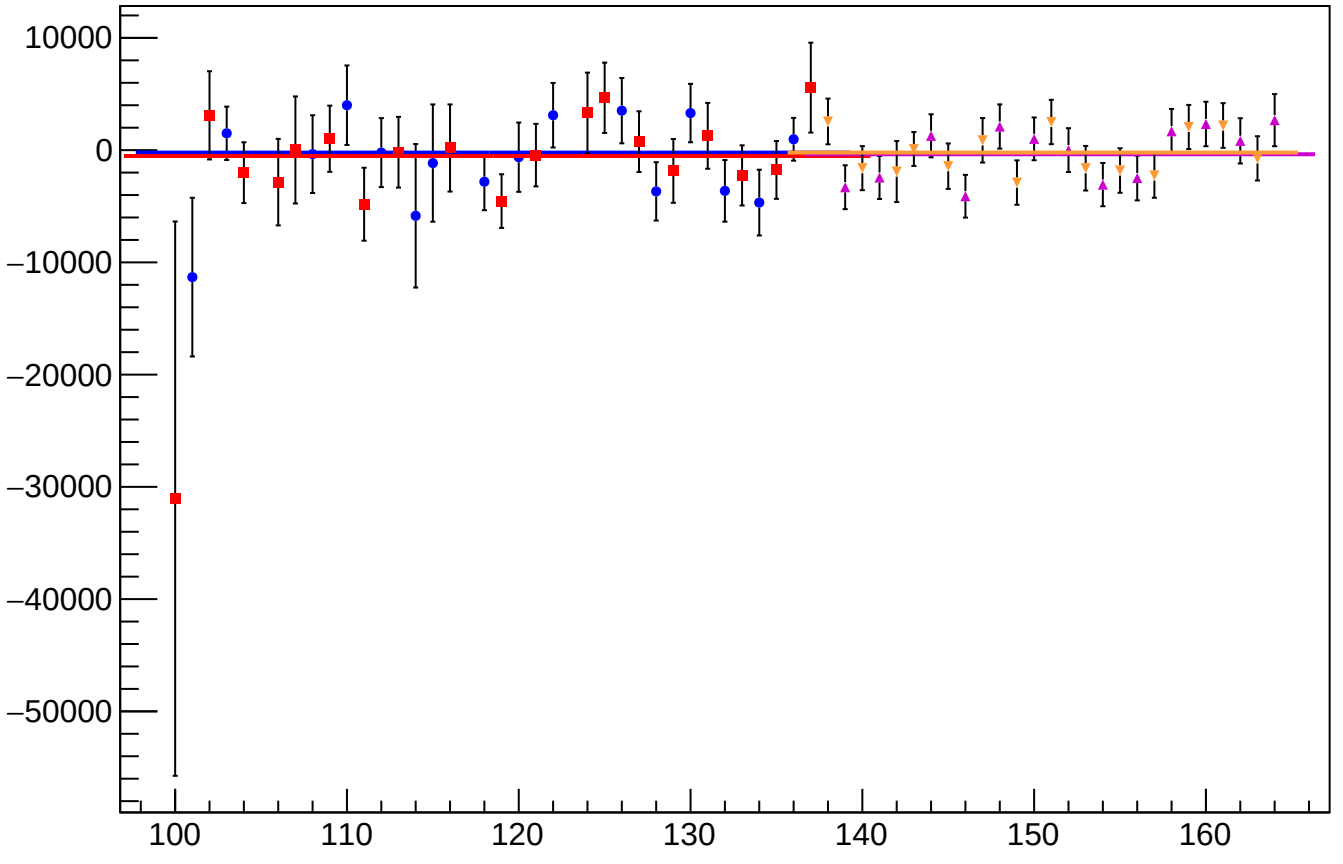
Left: 452.181+/-0.069 χ^2/NDF: 1587629.7/26

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 490.069+/-0.085 χ^2/NDF:3191050.6/28

Out: 499.493+/-0.089 χ^2/NDF:5502158.4/32

All: 494.592+/-0.062 χ^2/NDF: 8699060.8/61



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -216.365+/-525.946 χ^2/NDF:12.3/13

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -366.496+/-547.288 χ^2/NDF:18.2/12

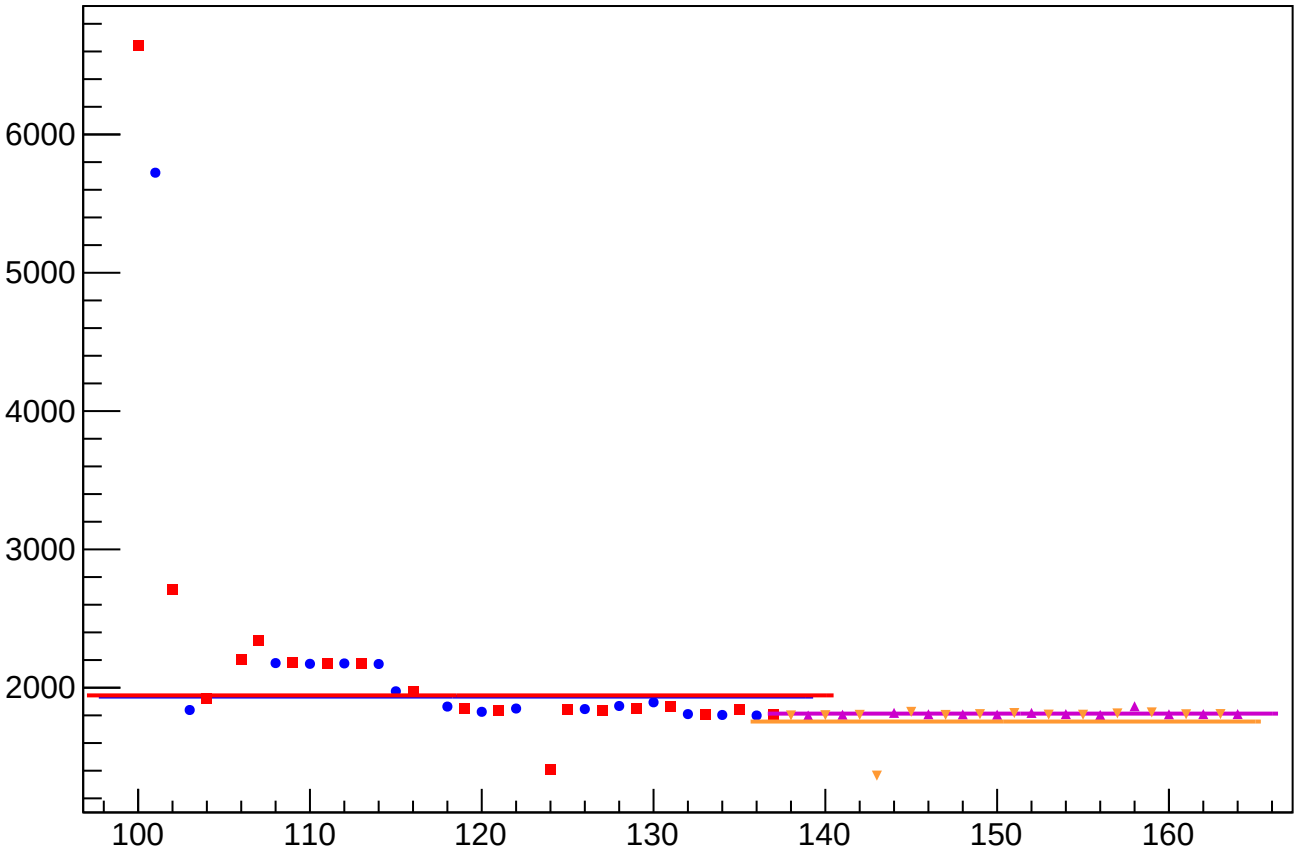
Left: -288.446+/-379.221 χ^2/NDF: 30.5/26

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -314.464+/-439.152 χ^2/NDF:35.4/28

Out: -321.156+/-425.718 χ^2/NDF:28.0/32

All: -317.914+/-305.667 χ^2/NDF: 63.3/61



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1755.389+/-0.372 χ^2/NDF:153119.3/13

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1812.733+/-0.387 χ^2/NDF:1725.2/12

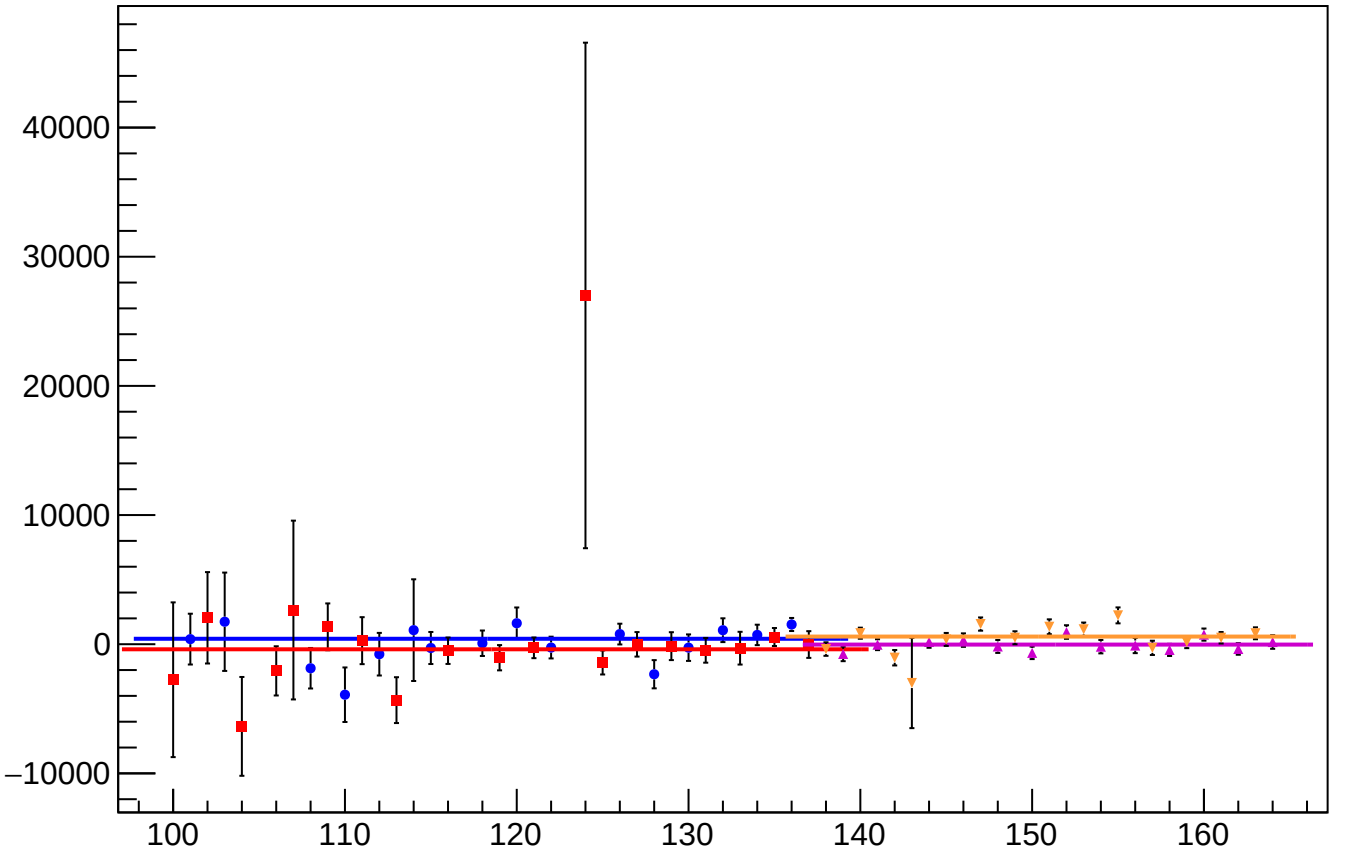
Left: 1782.921+/-0.268 χ^2/NDF: 166259.5/26

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1856.623+/-0.311 χ^2/NDF:677650.9/28

Out: 1820.597+/-0.301 χ^2/NDF:518498.6/32

All: 1838.050+/-0.216 χ^2/NDF: 1203088.3/61



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 592.025+/-140.667 χ^2/NDF:29.8/13

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -29.082+/-136.757 χ^2/NDF:11.9/12

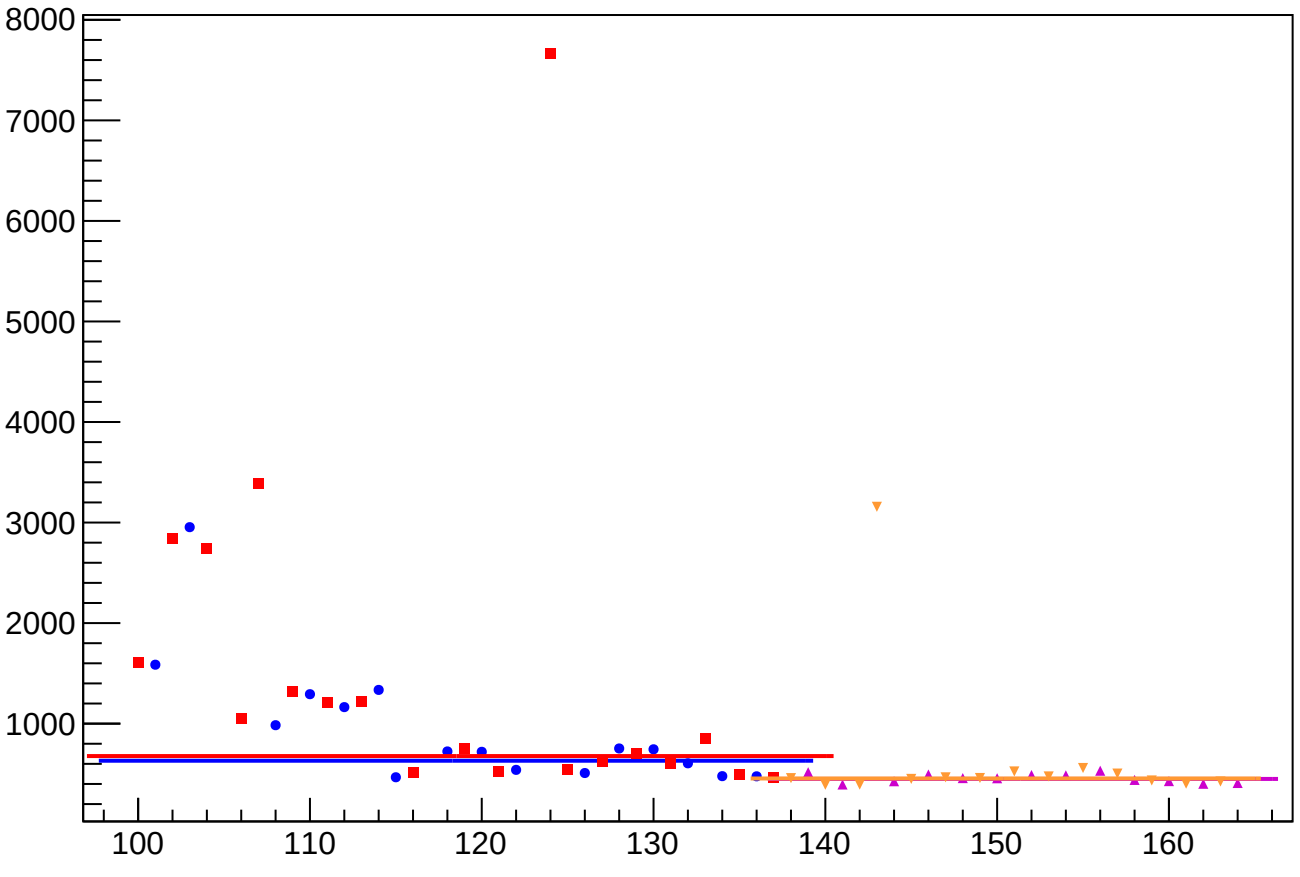
Left: 272.719+/-98.055 χ^2/NDF: 51.7/26

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 70.423+/-120.702 χ^2/NDF:35.7/28

Out: 392.901+/-125.657 χ^2/NDF:55.6/32

All: 225.179+/-87.048 χ^2/NDF: 94.8/61



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 454.441+/-0.099 χ^2/NDF:1405152.4/13

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 450.045+/-0.097 χ^2/NDF:181477.7/12

Left: 452.181+/-0.069 χ^2/NDF: 1587634.5/26

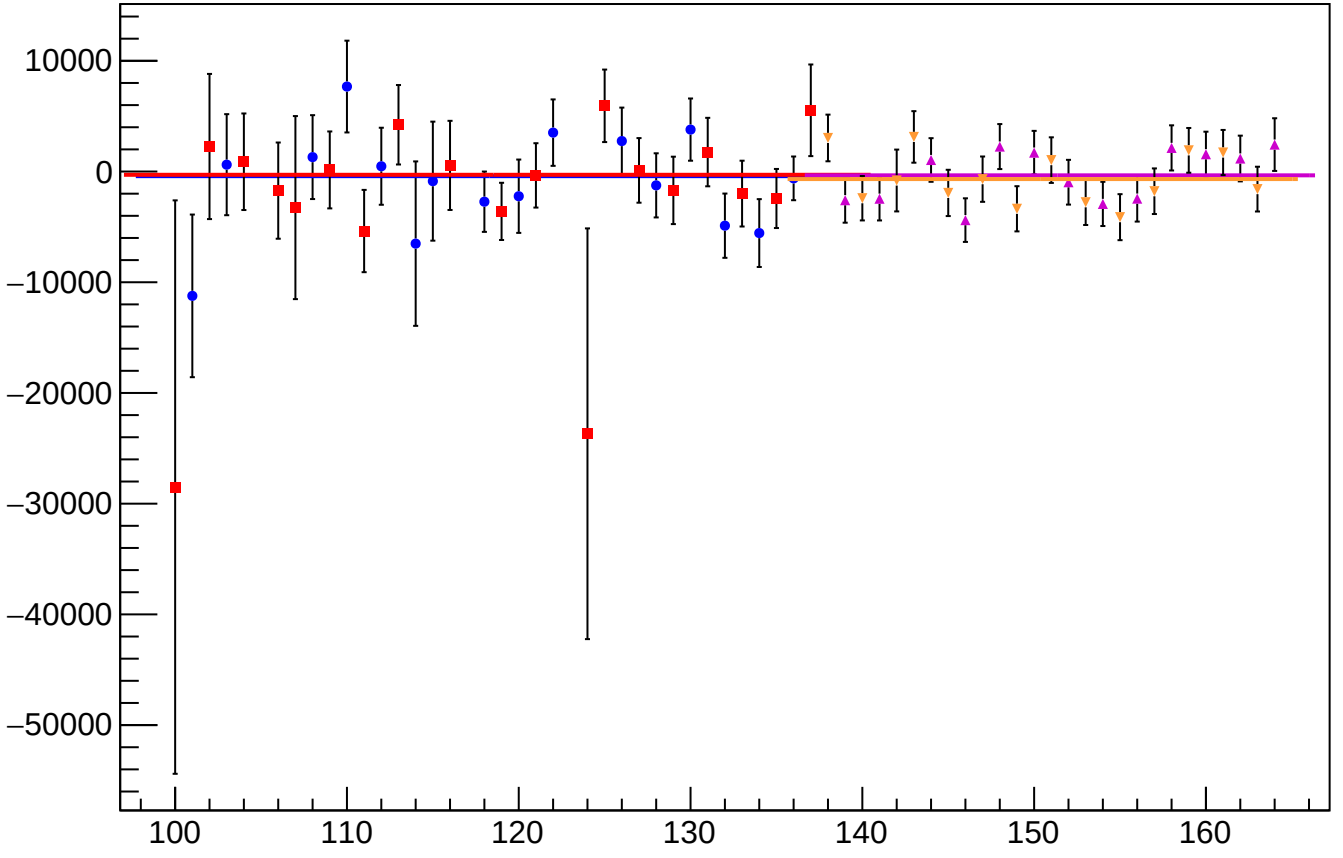
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 490.069+/-0.085 χ^2/NDF:3191052.5/28

Out: 499.493+/-0.089 χ^2/NDF:5502163.3/32

All: 494.591+/-0.062 χ^2/NDF: 8699067.4/61

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -680.433+/-562.188 χ^2/NDF:16.6/13

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -343.465+/-564.392 χ^2/NDF:16.9/12

Left: -512.609+/-398.304 χ^2/NDF: 33.7/26

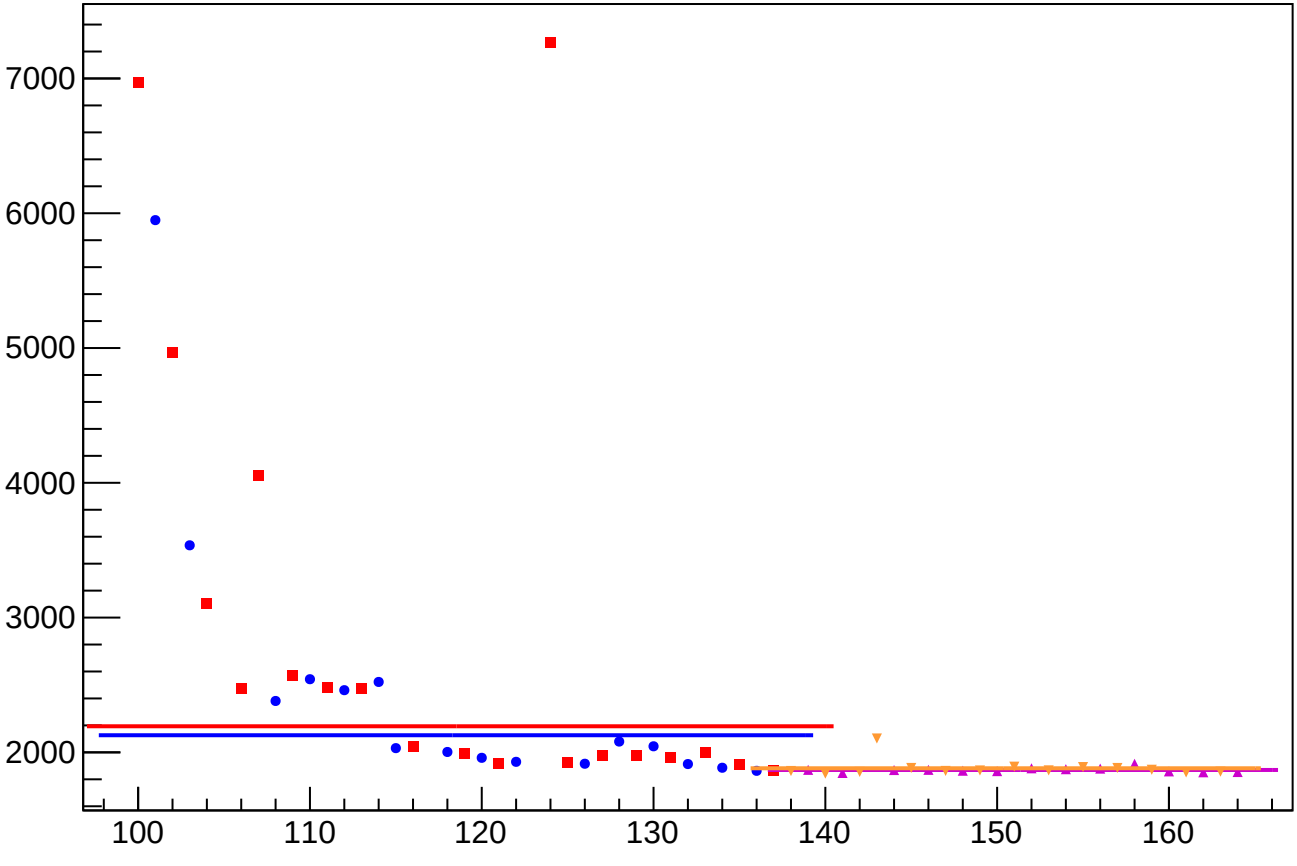
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -367.499+/-464.064 χ^2/NDF:35.2/28

Out: -559.389+/-465.748 χ^2/NDF:32.4/32

All: -463.097+/-328.736 χ^2/NDF: 67.7/61

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1881.944+/-0.398 χ^2/NDF:20529.1/13

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1869.369+/-0.399 χ^2/NDF:1728.2/12

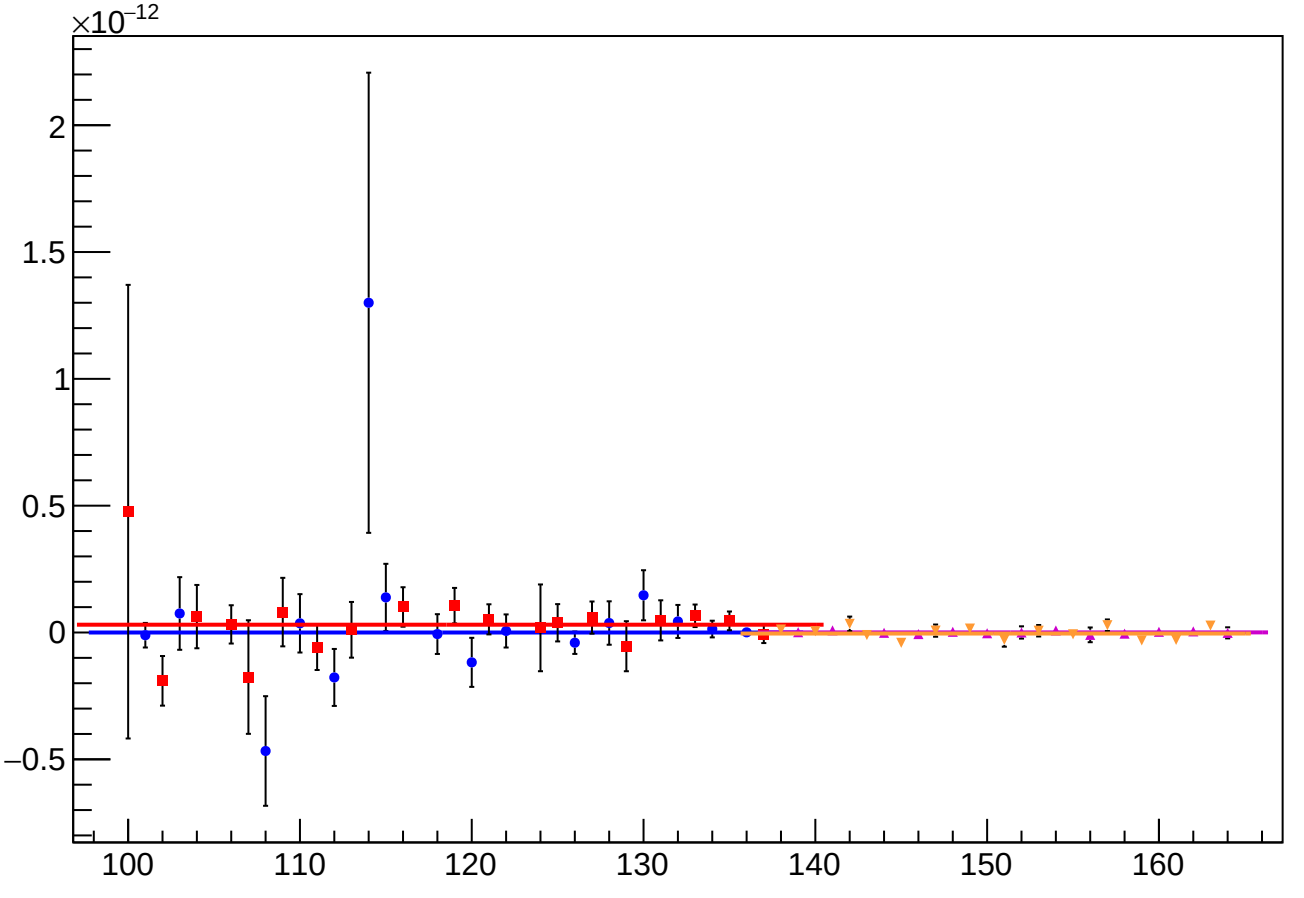
Left: 1875.681+/-0.282 χ^2/NDF: 22755.7/26

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1952.836+/-0.328 χ^2/NDF:1011842.6/28

Out: 1979.687+/-0.329 χ^2/NDF:1155849.1/32

All: 1966.213+/-0.232 χ^2/NDF: 2171027.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/12

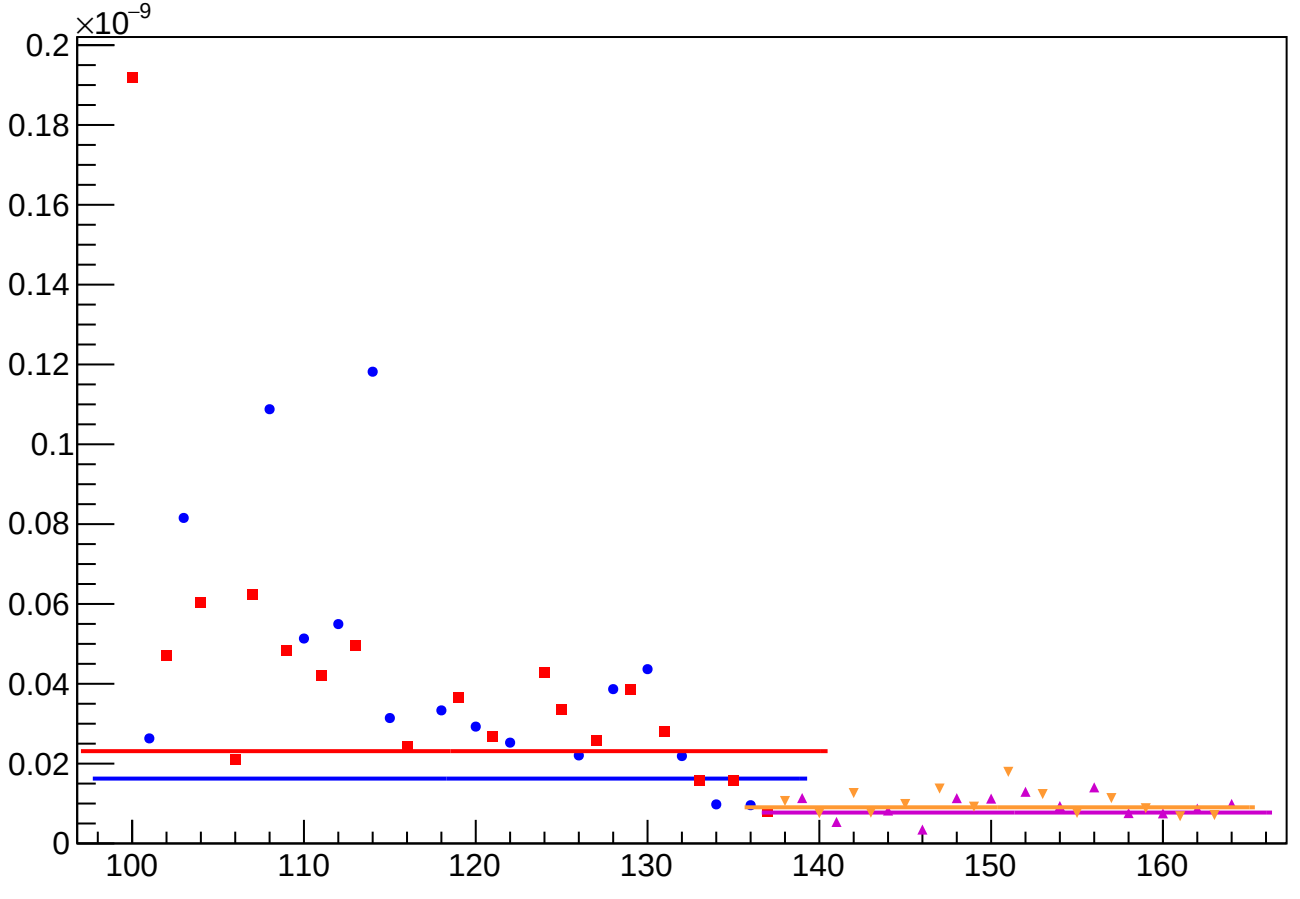
Left: -0.000+/-0.000 χ^2/NDF: 27.0/26

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.6/28

Out: -0.000+/-0.000 χ^2/NDF:41.9/32

All: -0.000+/-0.000 χ^2/NDF: 59.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:570245.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:902346.9/12

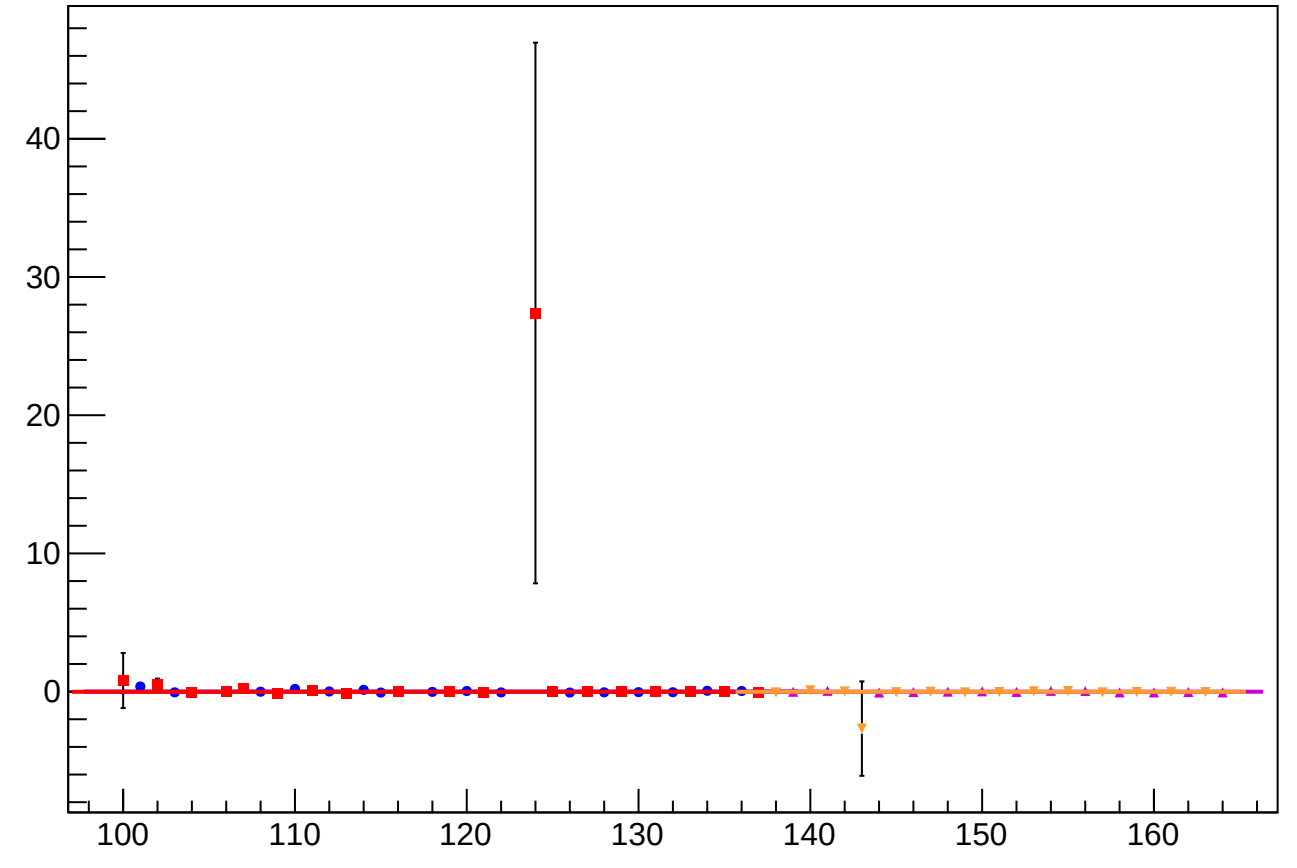
Left: 0.000+/-0.000 χ^2/NDF: 1558946.4/26

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4100030.6/28

Out: 0.000+/-0.000 χ^2/NDF:3455929.6/32

All: 0.000+/-0.000 χ^2/NDF: 7671568.4/61



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/13

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.011 χ^2/NDF:16.2/12

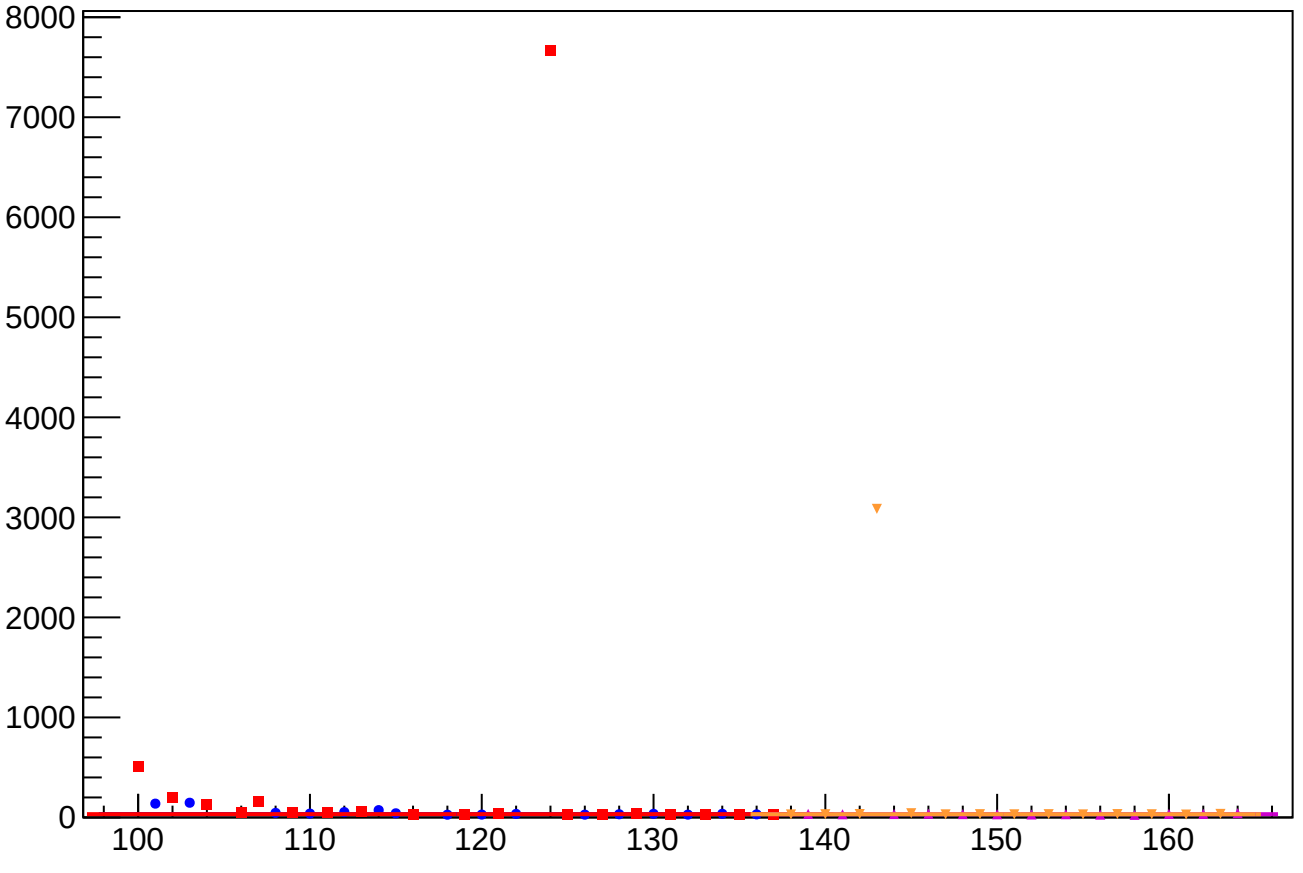
Left: -0.009+/-0.008 χ^2/NDF: 32.8/26

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.4/28

Out: -0.012+/-0.009 χ^2/NDF:30.7/32

All: -0.008+/-0.006 χ^2/NDF: 68.5/61



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.313+/-0.008 χ^2/NDF:1726374.5/13

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.640+/-0.008 χ^2/NDF:250527.5/12

Left: 32.478+/-0.005 χ^2/NDF: 1977817.5/26

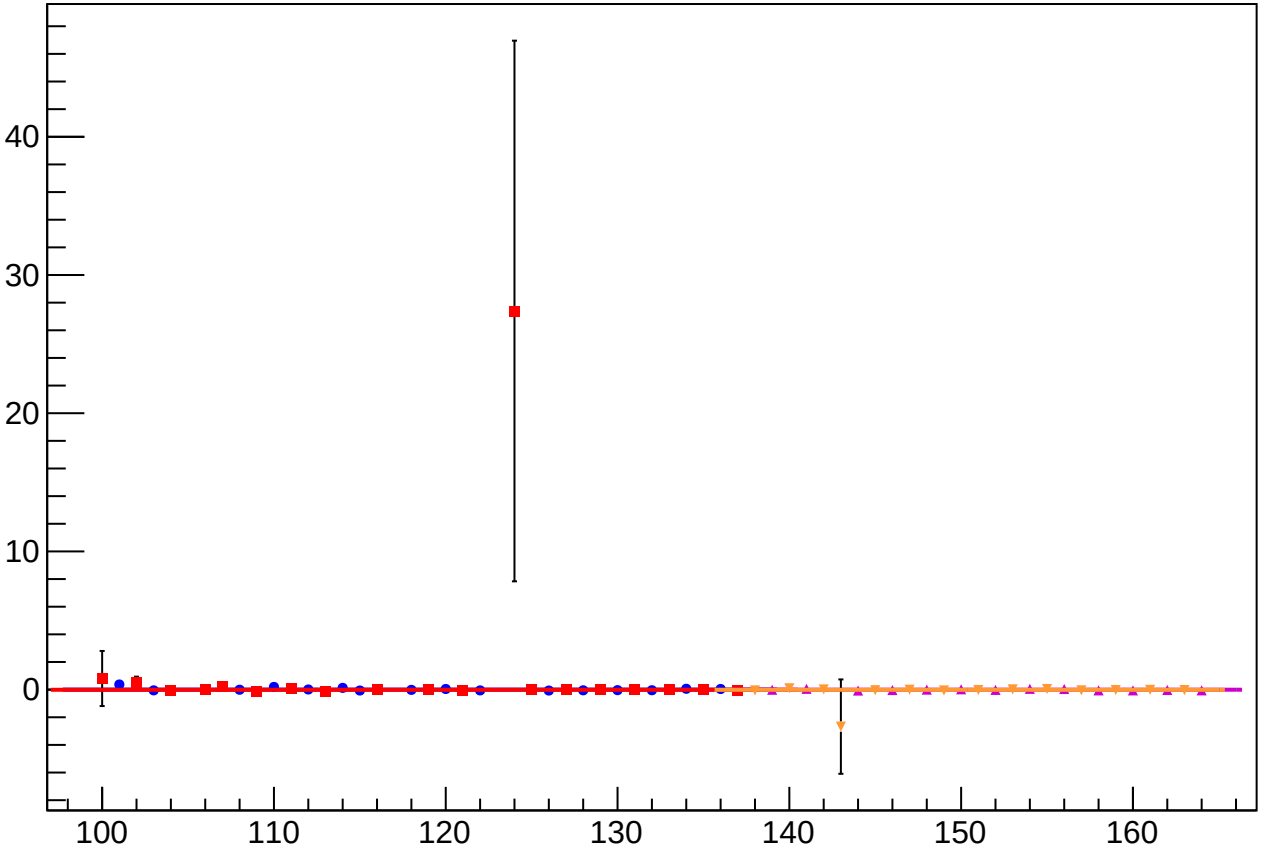
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.132+/-0.006 χ^2/NDF:1979796.9/28

Out: 32.581+/-0.006 χ^2/NDF:3805002.3/32

All: 32.859+/-0.004 χ^2/NDF: 5788776.6/61

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/13

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.011 χ^2/NDF:16.2/12

Left: -0.009+/-0.008 χ^2/NDF: 32.8/26

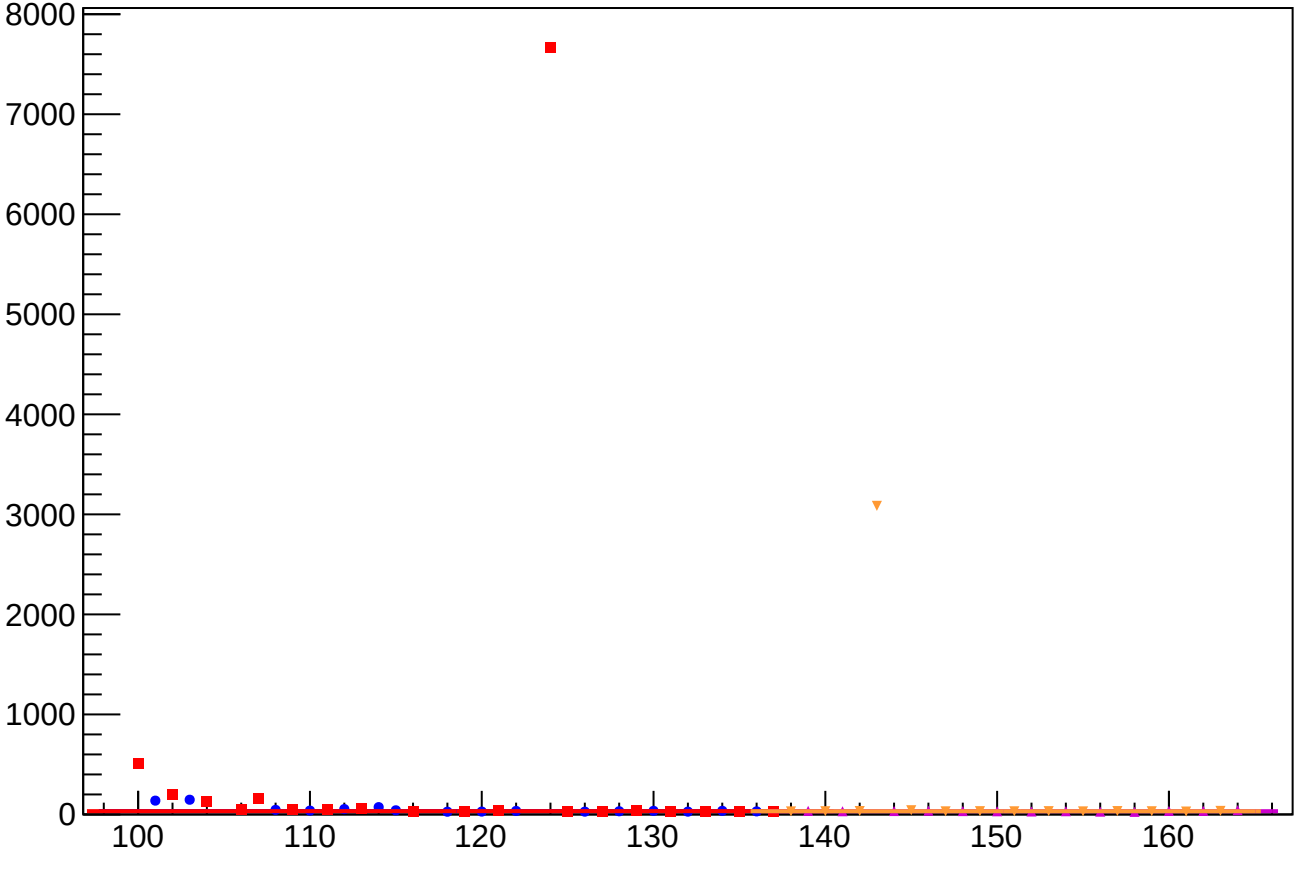
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.4/28

Out: -0.012+/-0.009 χ^2/NDF:30.7/32

All: -0.008+/-0.006 χ^2/NDF: 68.5/61

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: 32.313+/-0.008 χ^2/NDF:1726374.5/13

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.640+/-0.008 χ^2/NDF:250527.5/12

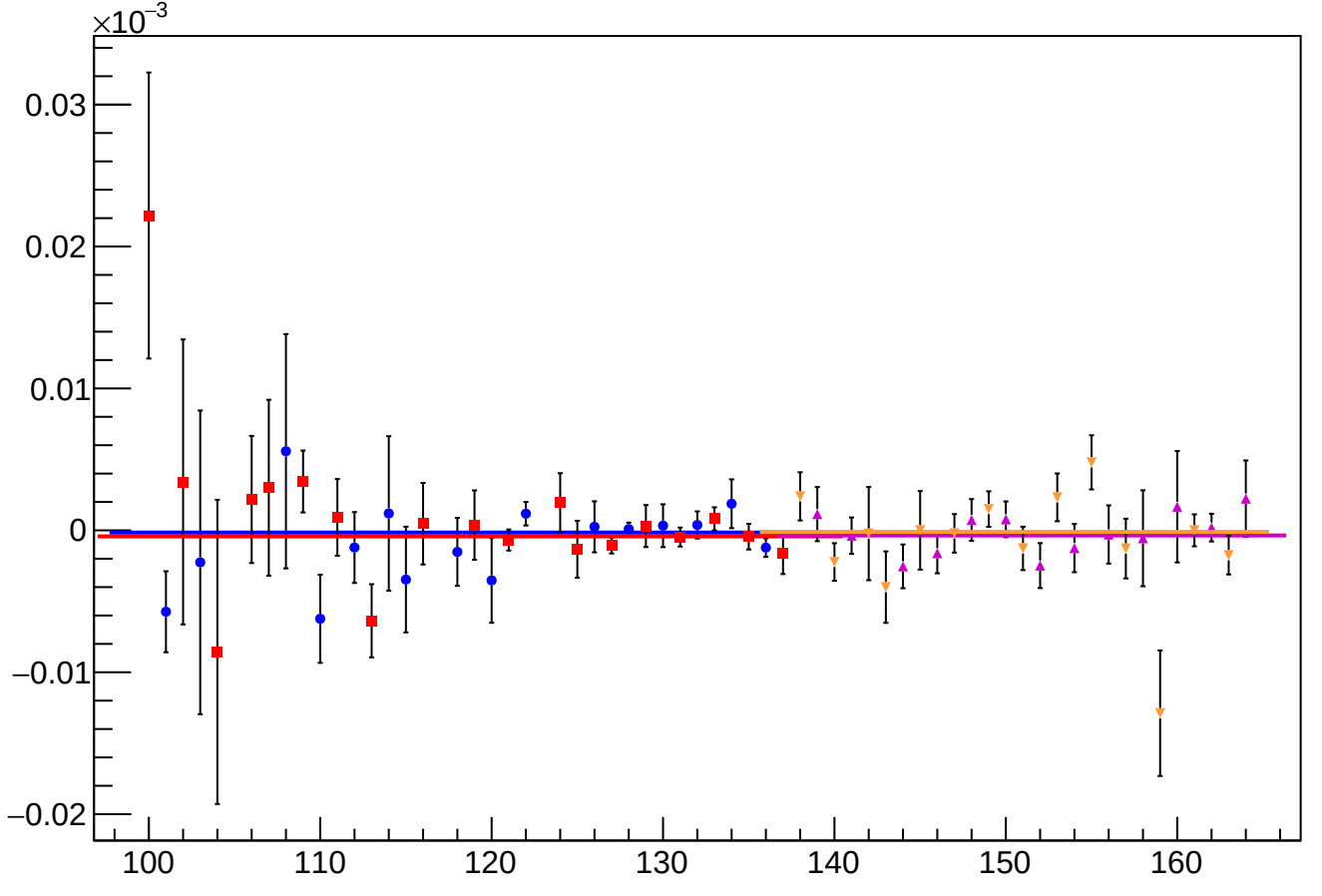
Left: 32.478+/-0.005 χ^2/NDF: 1977817.5/26

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.132+/-0.006 χ^2/NDF:1979796.9/28

Out: 32.581+/-0.006 χ^2/NDF:3805002.3/32

All: 32.859+/-0.004 χ^2/NDF: 5788776.6/61



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/12

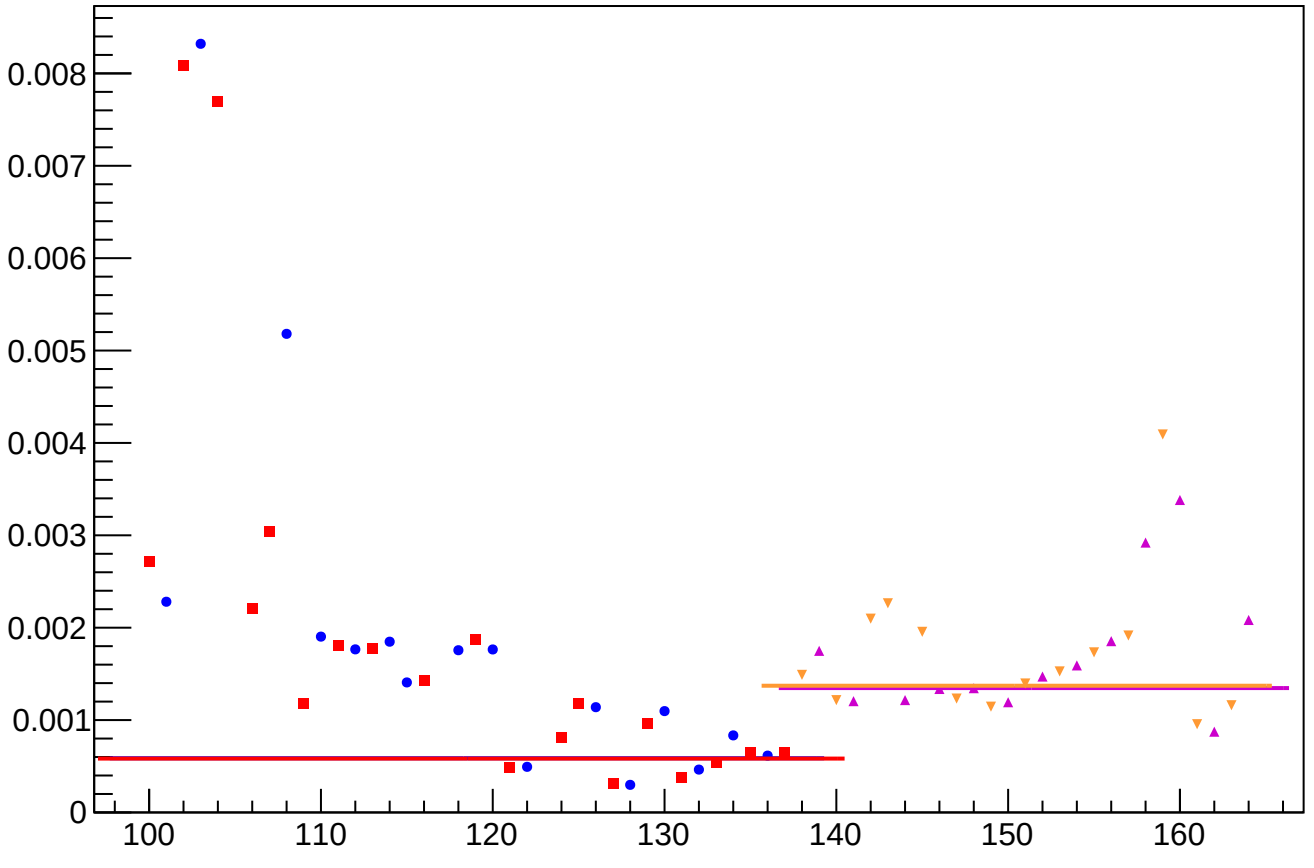
Left: -0.000+/-0.000 χ^2/NDF: 36.7/26

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:26.7/28

Out: -0.000+/-0.000 χ^2/NDF:50.1/32

All: -0.000+/-0.000 χ^2/NDF: 76.9/61



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:1862420.4/13

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:1924792.7/12

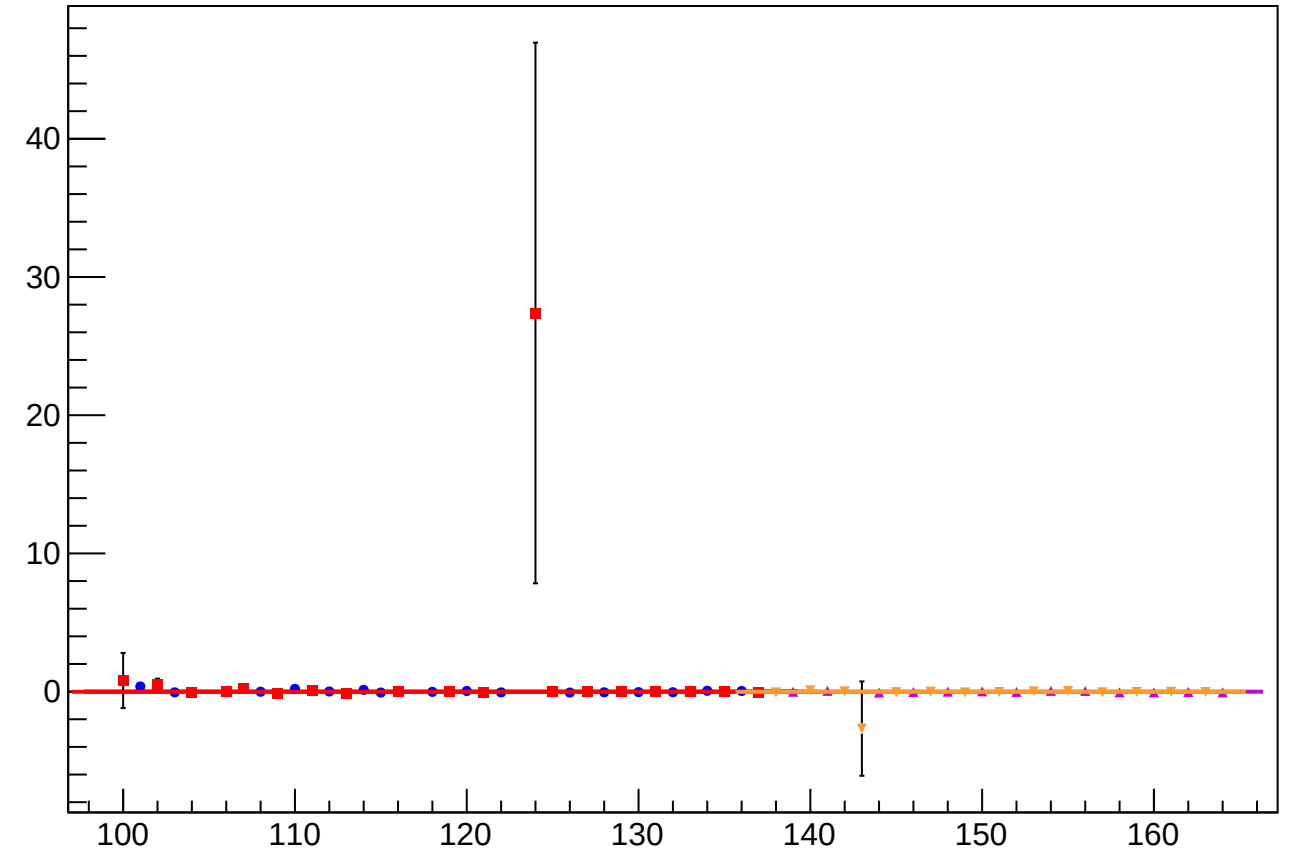
Left: 0.001+/-0.000 χ^2/NDF: 3790562.2/26

Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:11564854.3/28

Out: 0.001+/-0.000 χ^2/NDF:11805231.7/32

All: 0.001+/-0.000 χ^2/NDF: 23370968.7/61



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/13

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.011 χ^2/NDF:16.2/12

Left: -0.009+/-0.008 χ^2/NDF: 32.8/26

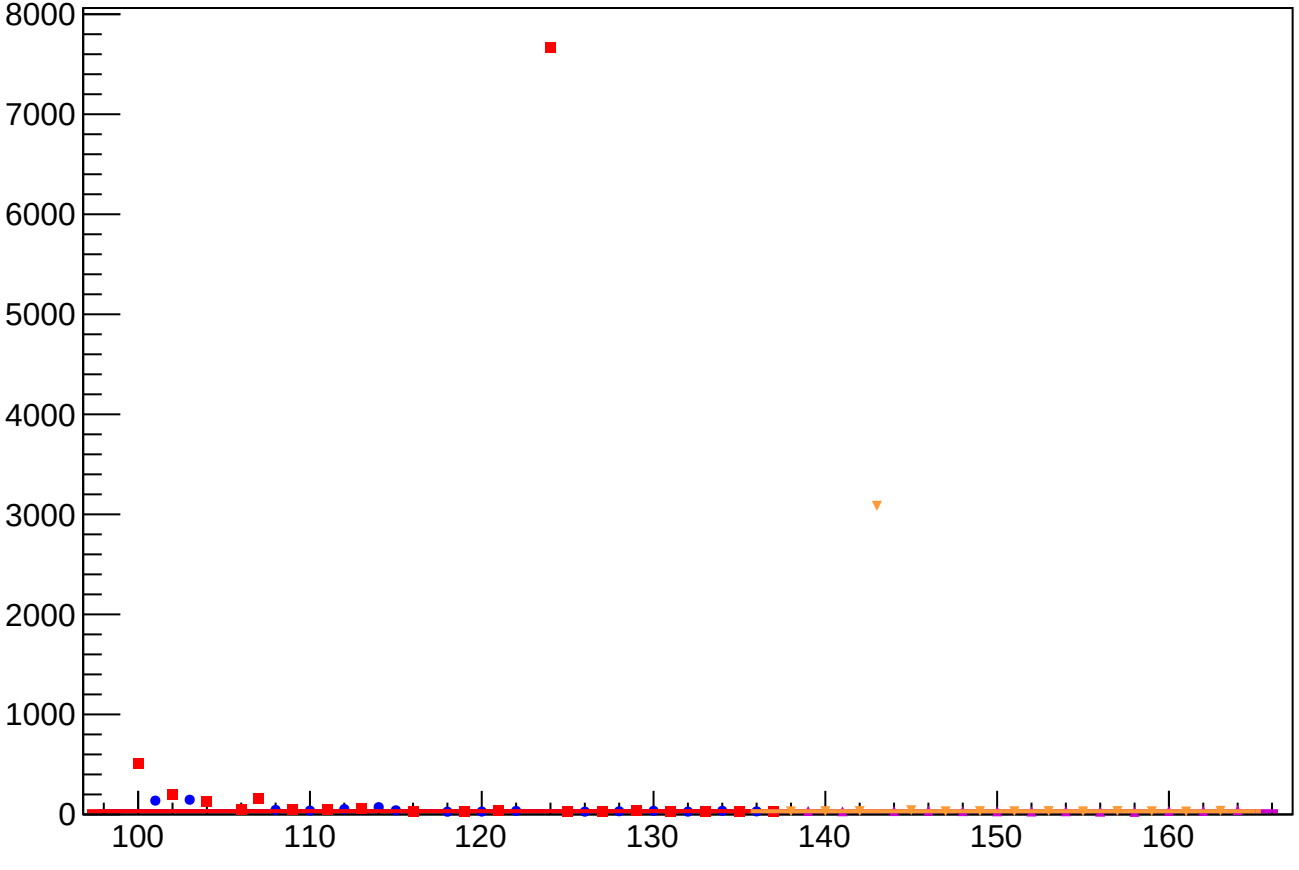
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.4/28

Out: -0.012+/-0.009 χ^2/NDF:30.7/32

All: -0.008+/-0.006 χ^2/NDF: 68.5/61

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: 32.313+/-0.008 χ^2/NDF:1726368.7/13

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.641+/-0.008 χ^2/NDF:250447.2/12

Left: 32.478+/-0.005 χ^2/NDF: 1977733.1/26

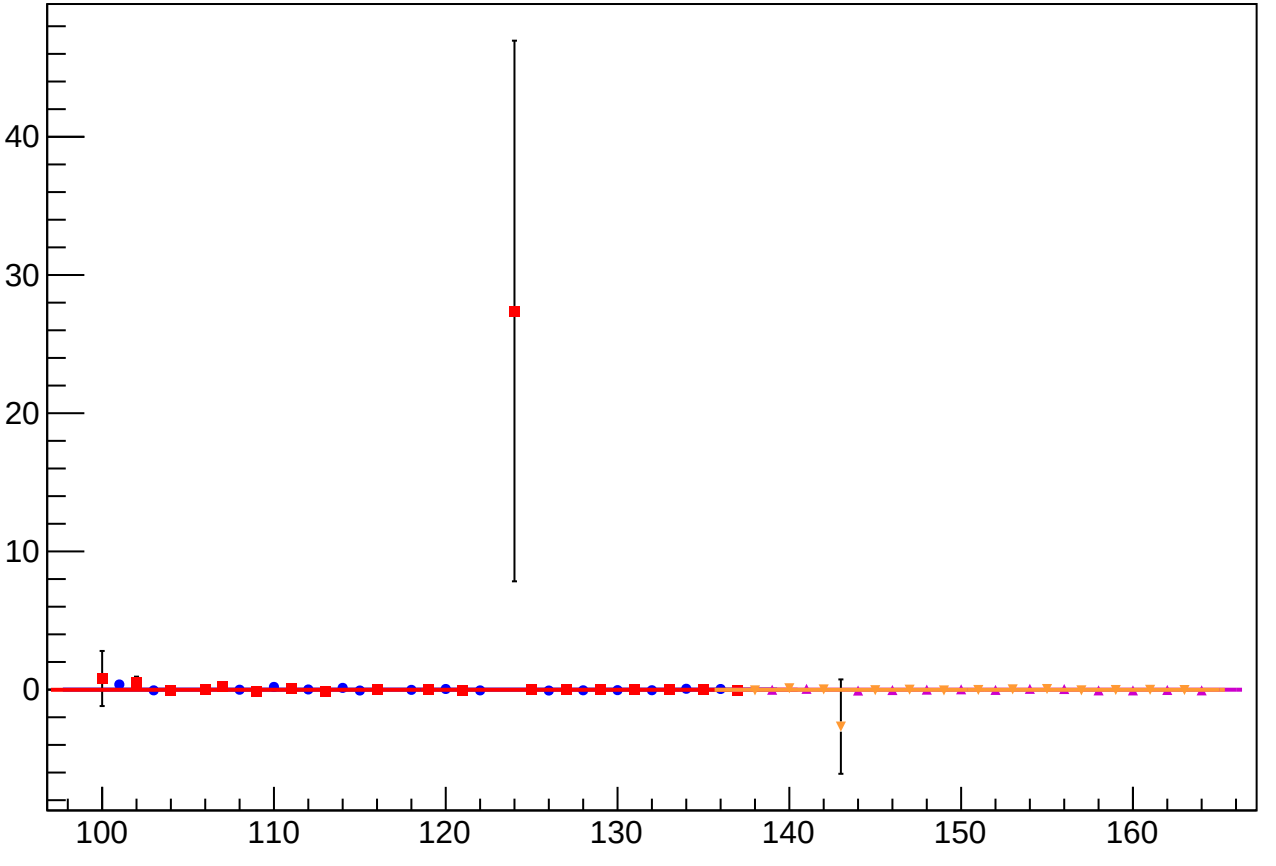
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.132+/-0.006 χ^2/NDF:1979699.4/28

Out: 32.581+/-0.006 χ^2/NDF:3804976.5/32

All: 32.859+/-0.004 χ^2/NDF: 5788656.8/61

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: -0.012+/-0.011 χ^2/NDF:16.4/13

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.011 χ^2/NDF:16.2/12

Left: -0.009+/-0.008 χ^2/NDF: 32.8/26

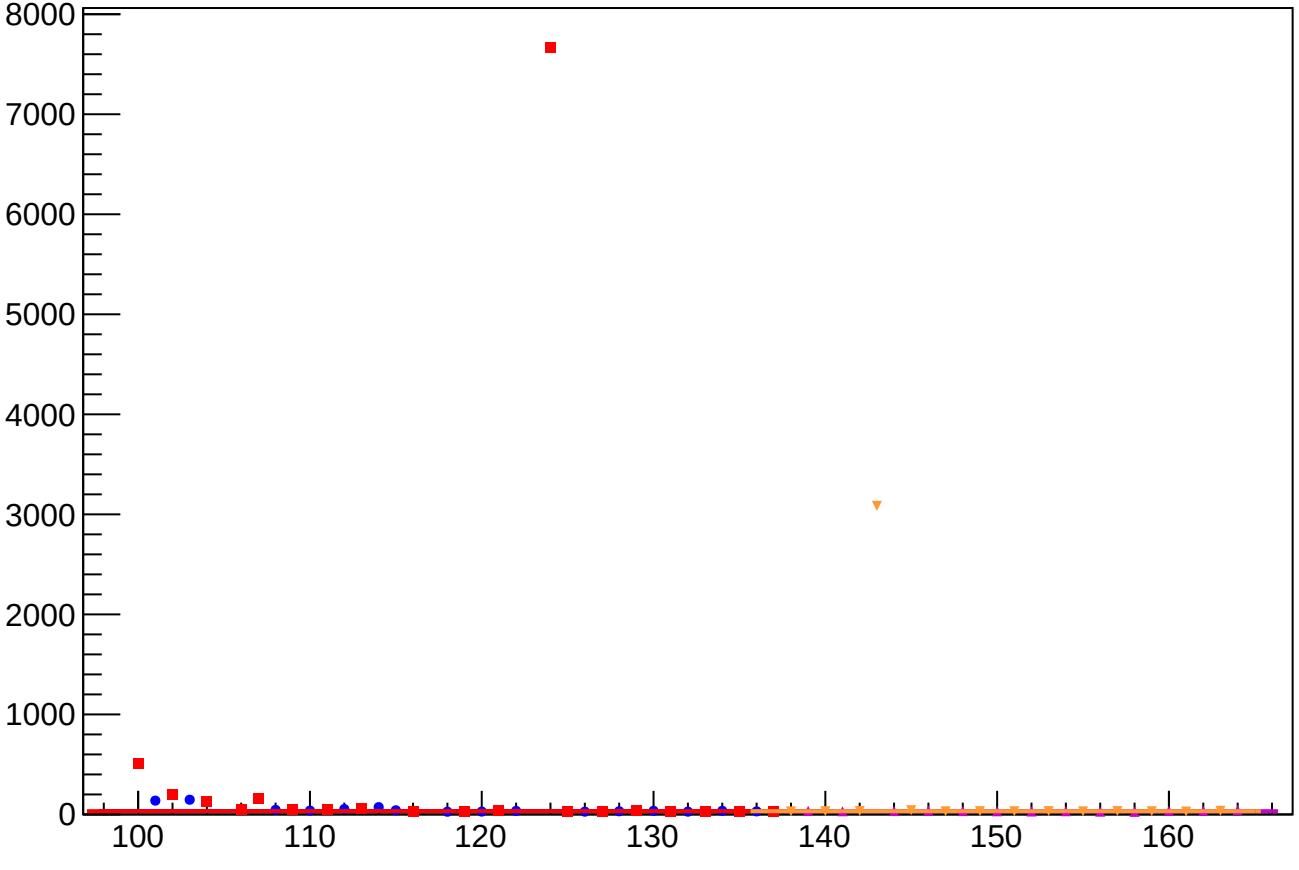
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.003+/-0.009 χ^2/NDF:37.4/28

Out: -0.012+/-0.009 χ^2/NDF:30.7/32

All: -0.008+/-0.006 χ^2/NDF: 68.5/61

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: 32.313+/-0.008 χ^2/NDF:1726368.7/13

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.641+/-0.008 χ^2/NDF:250447.2/12

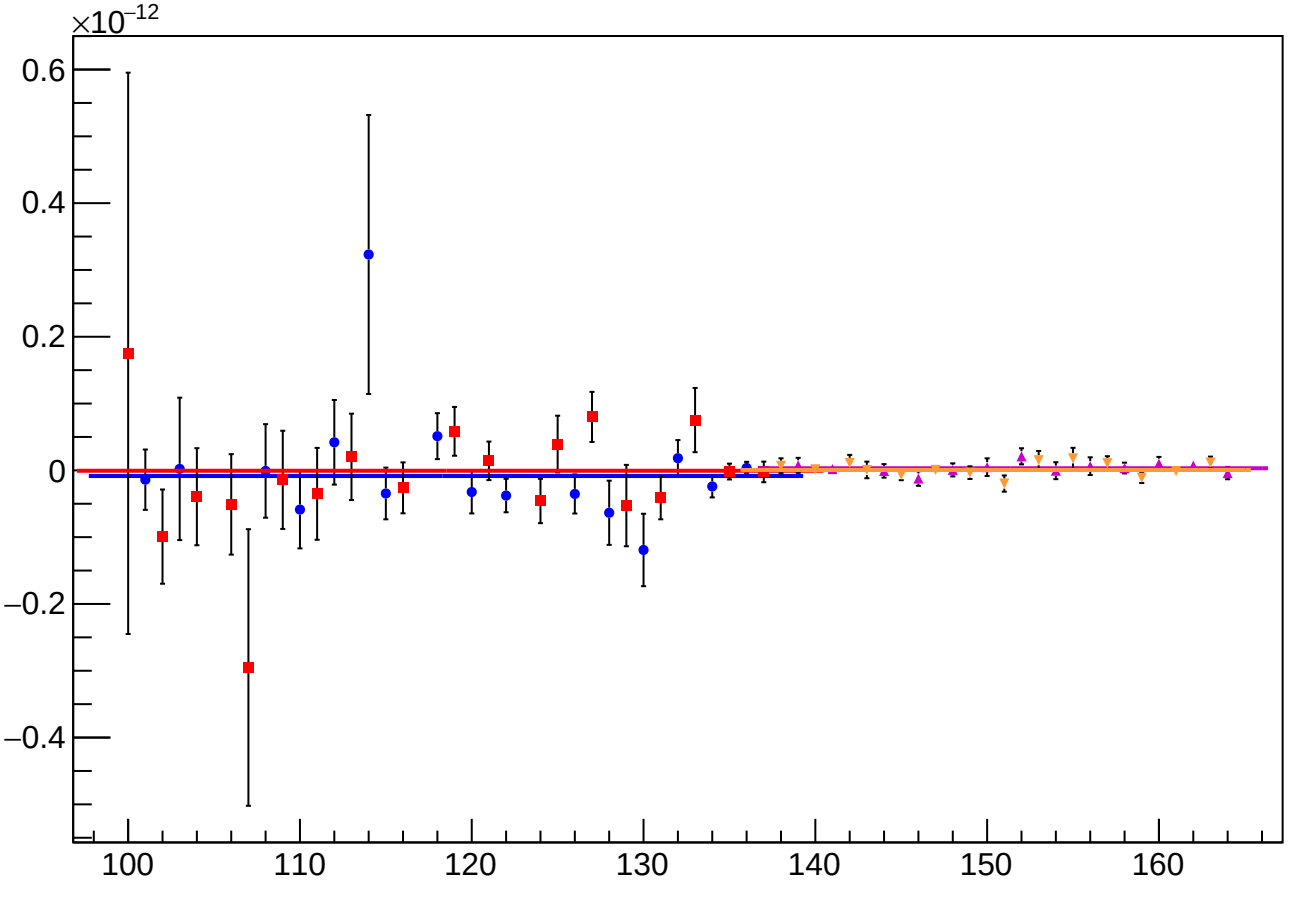
Left: 32.478+/-0.005 χ^2/NDF: 1977733.1/26

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.132+/-0.006 χ^2/NDF:1979699.4/28

Out: 32.581+/-0.006 χ^2/NDF:3804976.5/32

All: 32.859+/-0.004 χ^2/NDF: 5788656.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/12

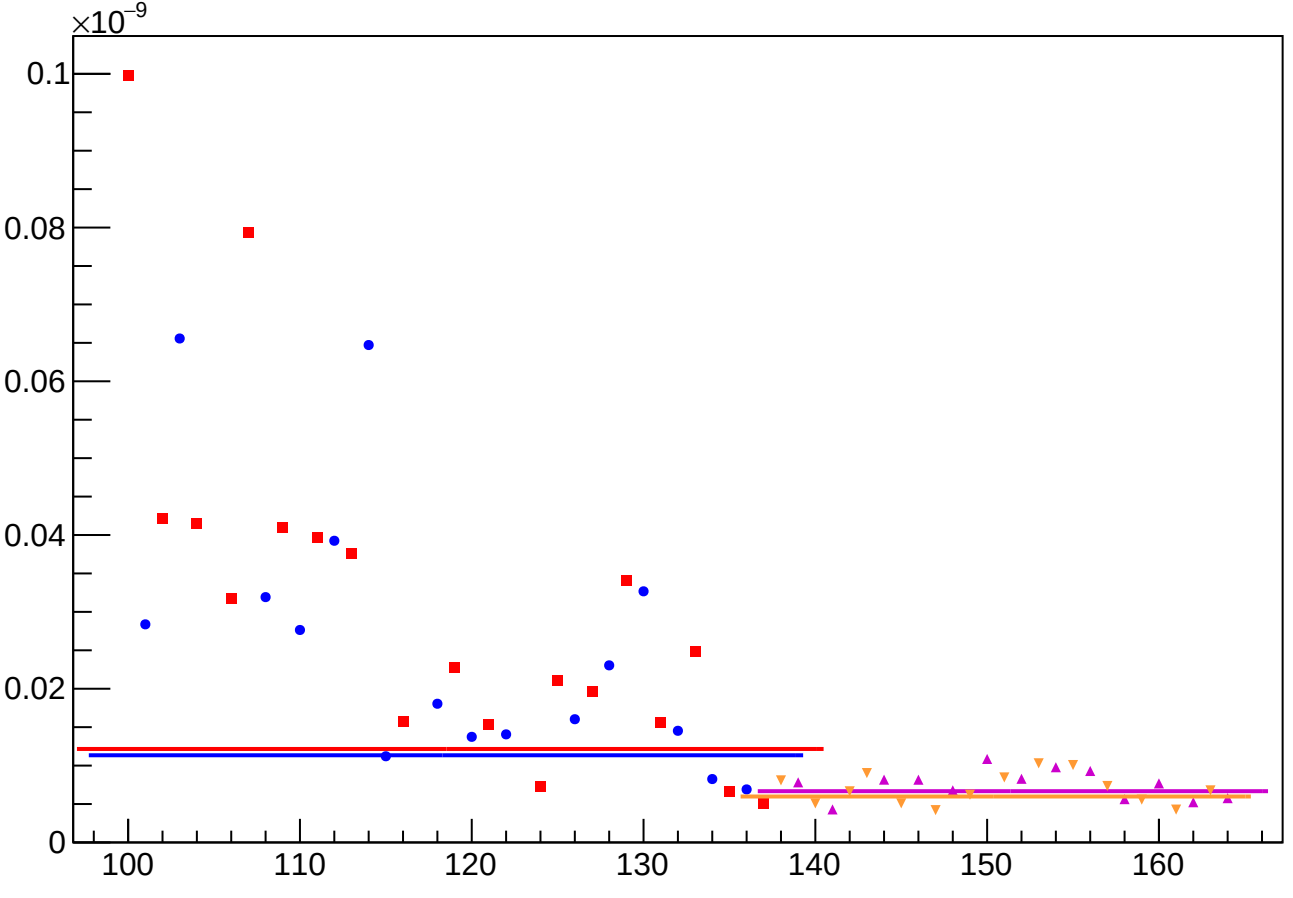
Left: 0.000+/-0.000 χ^2/NDF: 18.5/26

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:28.2/28

Out: 0.000+/-0.000 χ^2/NDF:32.7/32

All: 0.000+/-0.000 χ^2/NDF: 60.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1003777.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:987442.3/12

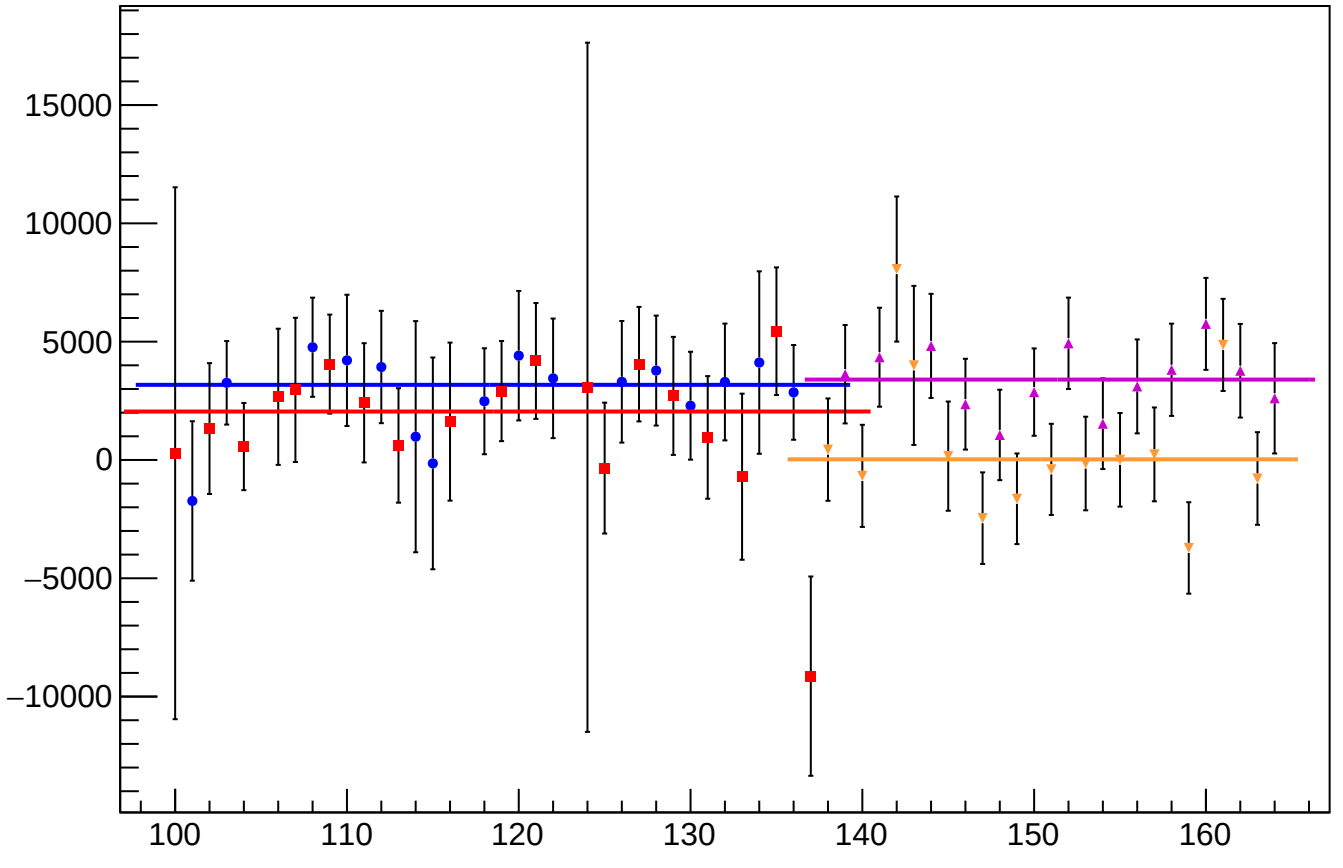
Left: 0.000+/-0.000 χ^2/NDF: 2066059.8/26

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4712059.6/28

Out: 0.000+/-0.000 χ^2/NDF:6070684.6/32

All: 0.000+/-0.000 χ^2/NDF: 10884146.7/61



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 26.968+/-560.929 χ^2/NDF:21.0/13

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3396.568+/-553.321 χ^2/NDF:5.8/12

Left: 1734.772+/-393.919 χ^2/NDF: 45.1/26

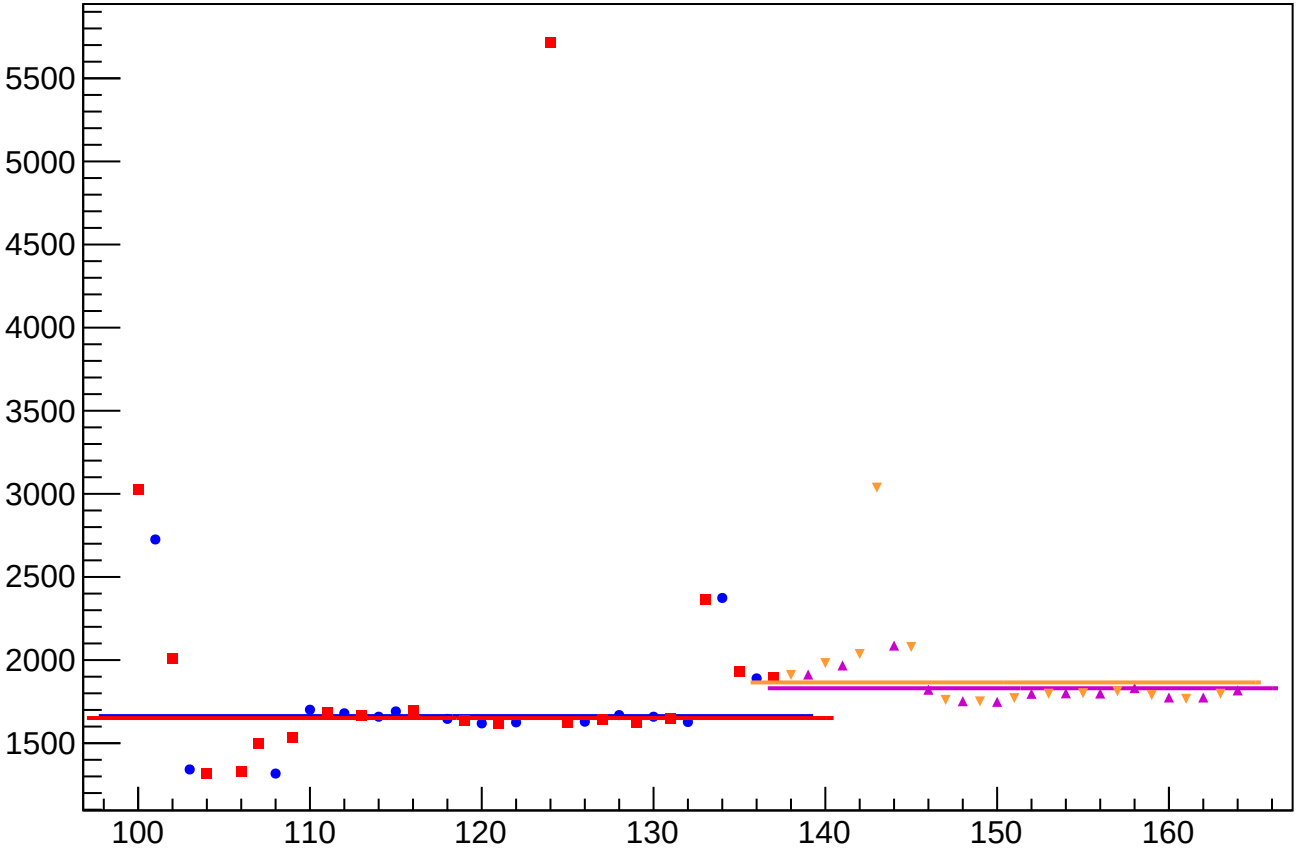
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3299.995+/-415.160 χ^2/NDF:10.2/28

Out: 933.960+/-416.408 χ^2/NDF:40.9/32

All: 2120.529+/-294.003 χ^2/NDF: 67.2/61

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1865.437+/-0.397 χ^2/NDF:307435.0/13

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1830.422+/-0.391 χ^2/NDF:51112.2/12

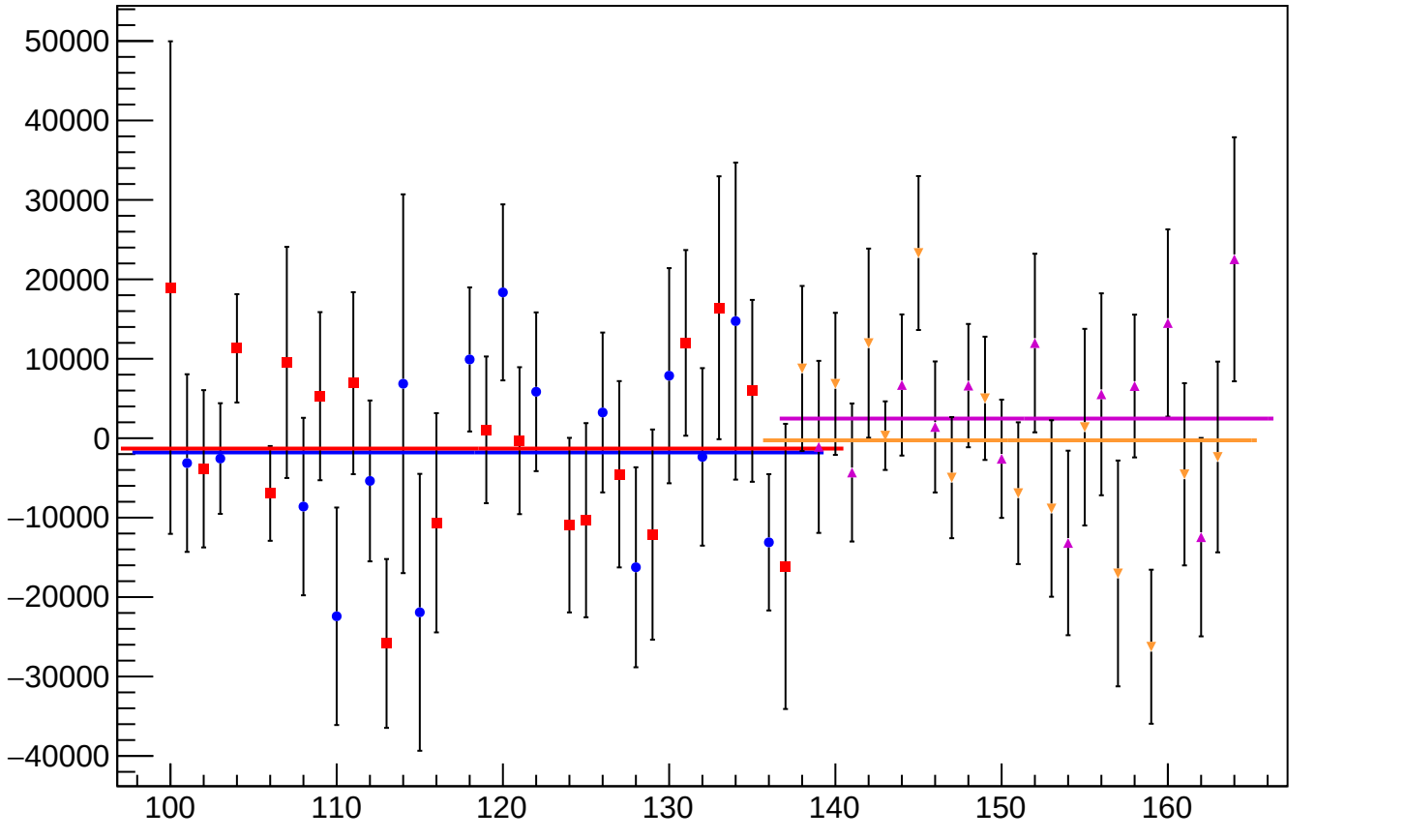
Left: 1847.690+/-0.279 χ^2/NDF: 362497.1/26

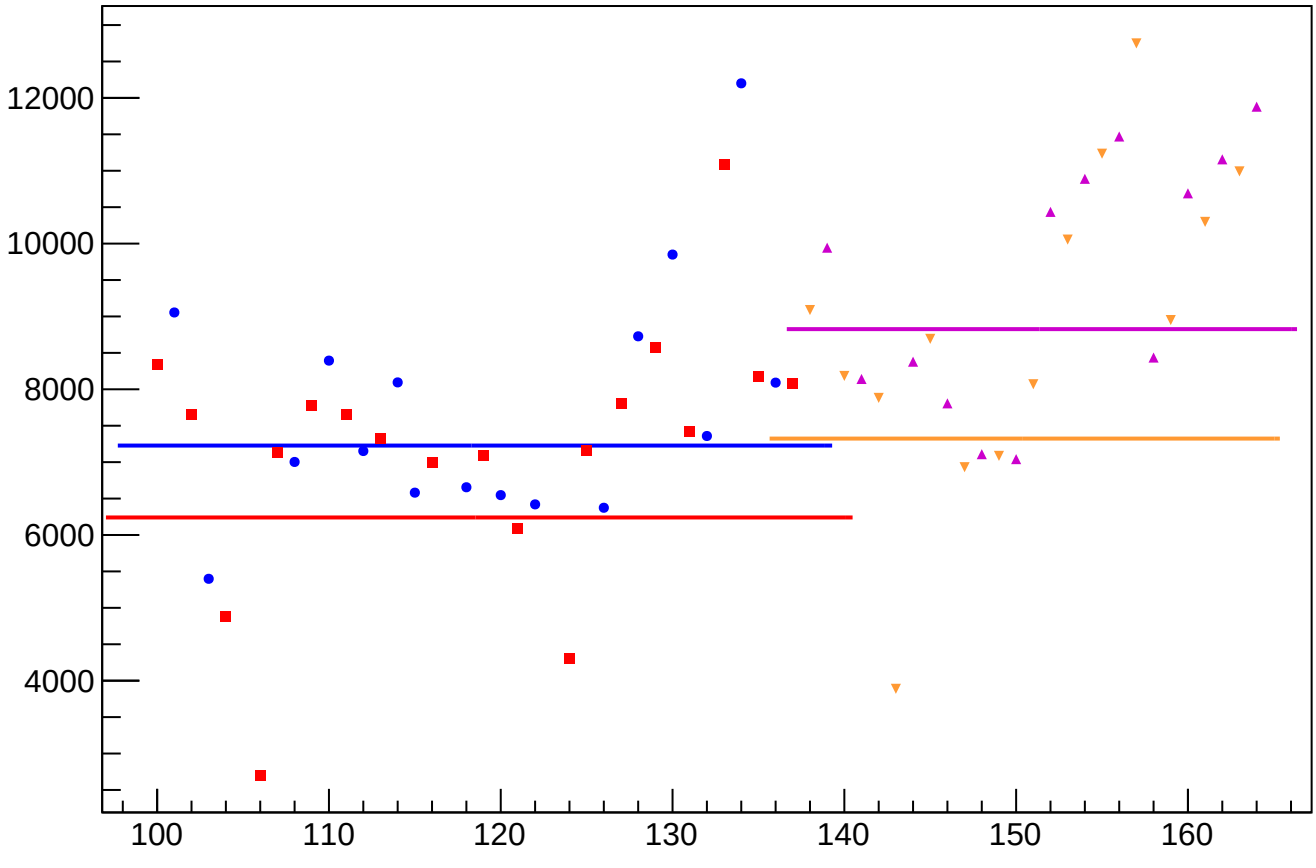
Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1757.208+/-0.294 χ^2/NDF:546861.5/28

Out: 1769.319+/-0.294 χ^2/NDF:870218.7/32

All: 1763.245+/-0.208 χ^2/NDF: 1417928.5/61


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: -1791.030+/-2743.617 χ²/NDF: 14.3/15
Left Out: -267.717+/-2329.869 χ²/NDF:19.1/13
Right Out: -1306.311+/-2430.063 χ²/NDF: 17.7/18
Left In: 2470.187+/-2716.279 χ²/NDF:8.7/12
Left: 892.801+/-1768.444 χ²/NDF: 28.4/26
Right: -1519.402+/-1819.116 χ²/NDF: 32.1/34
In: 360.914+/-1930.292 χ²/NDF:24.2/28
Out: -765.162+/-1681.772 χ²/NDF:37.0/32
All: -279.236+/-1268.014 χ²/NDF: 61.4/61



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 7323.399+/-1.647 χ^2/NDF:2396602.9/13

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8826.002+/-1.921 χ^2/NDF:675300.9/12

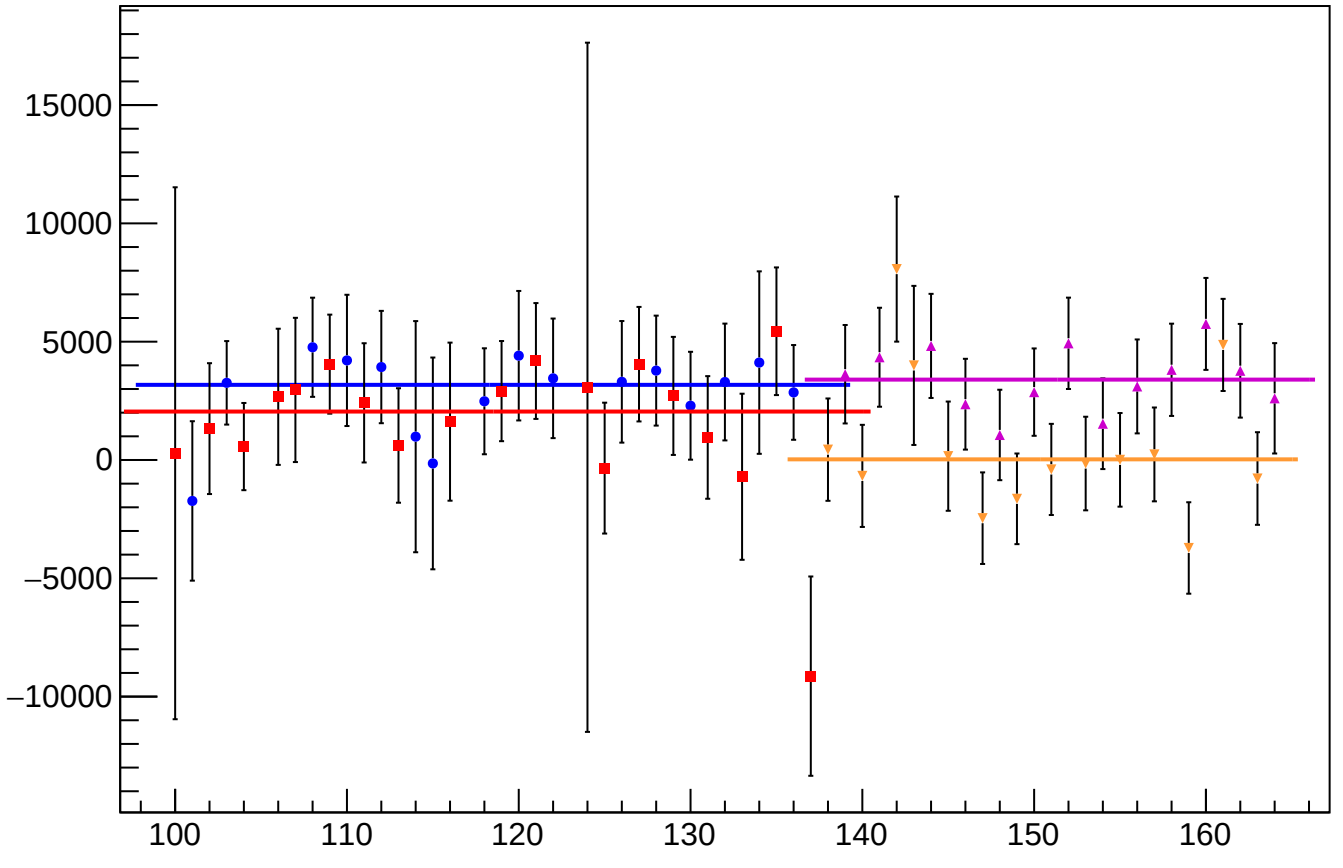
Left: 7960.309+/-1.250 χ^2/NDF: 3424509.4/26

Right: 6674.473+/-1.286 χ^2/NDF: 2047393.1/34

In: 8034.799+/-1.365 χ^2/NDF:1521374.9/28

Out: 6804.761+/-1.189 χ^2/NDF:4002597.5/32

All: 7335.549+/-0.897 χ^2/NDF: 5985646.0/61



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 26.868+/-560.929 χ^2/NDF:21.0/13

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3396.641+/-553.321 χ^2/NDF:5.8/12

Left: 1734.760+/-393.919 χ^2/NDF: 45.1/26

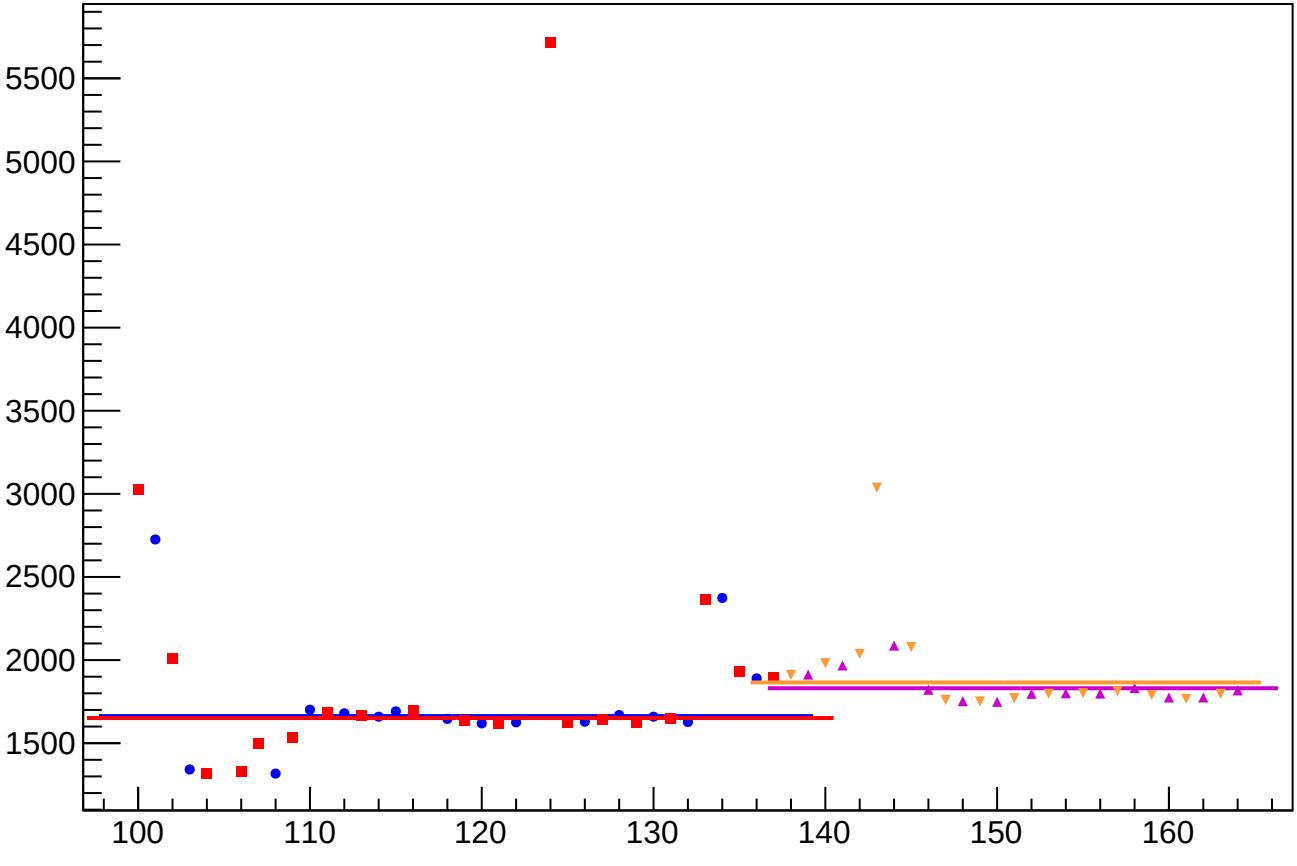
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3300.075+/-415.160 χ^2/NDF:10.1/28

Out: 933.818+/-416.408 χ^2/NDF:40.9/32

All: 2120.498+/-294.003 χ^2/NDF: 67.2/61

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1865.437+/-0.397 χ^2/NDF:307435.0/13

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1830.422+/-0.391 χ^2/NDF:51112.2/12

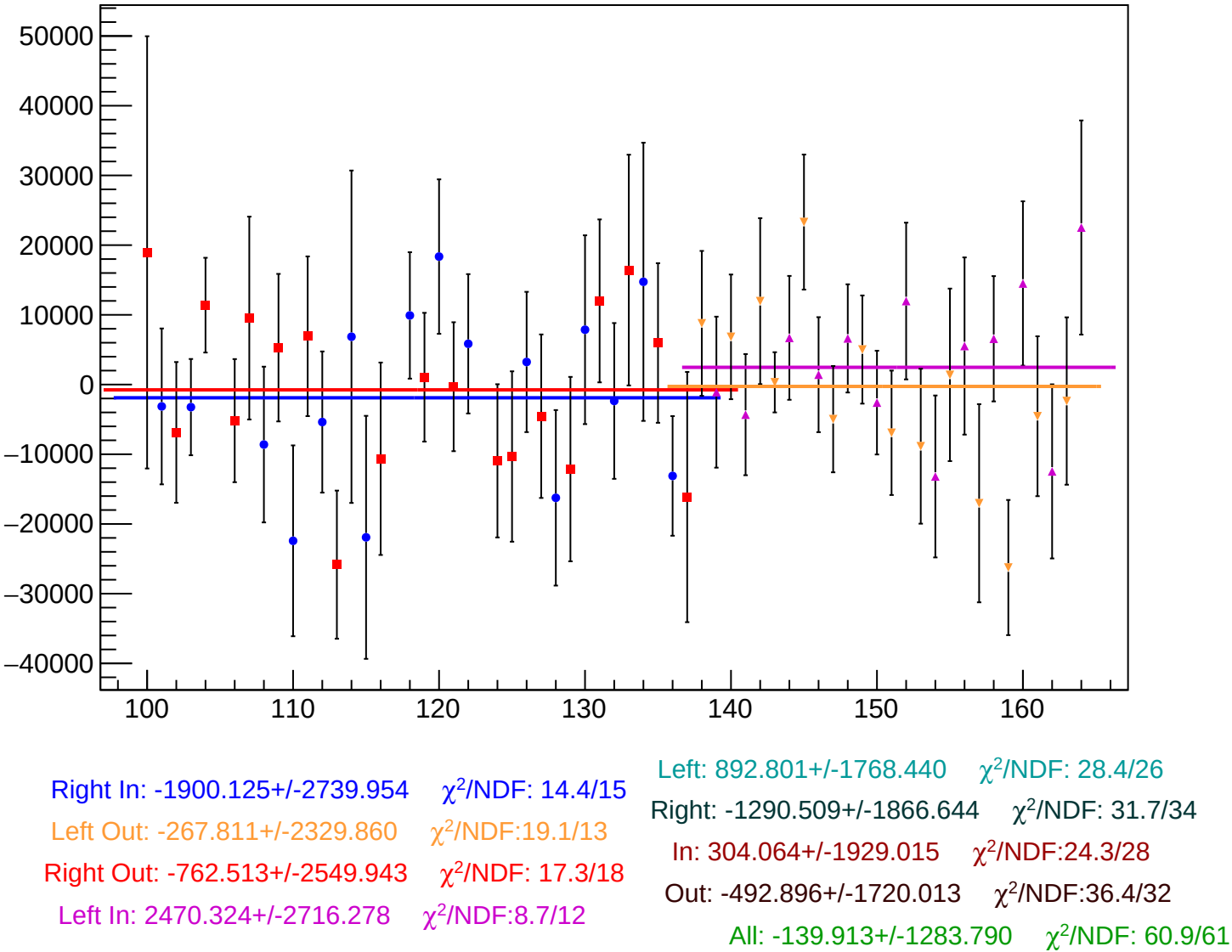
Left: 1847.690+/-0.279 χ^2/NDF: 362497.1/26

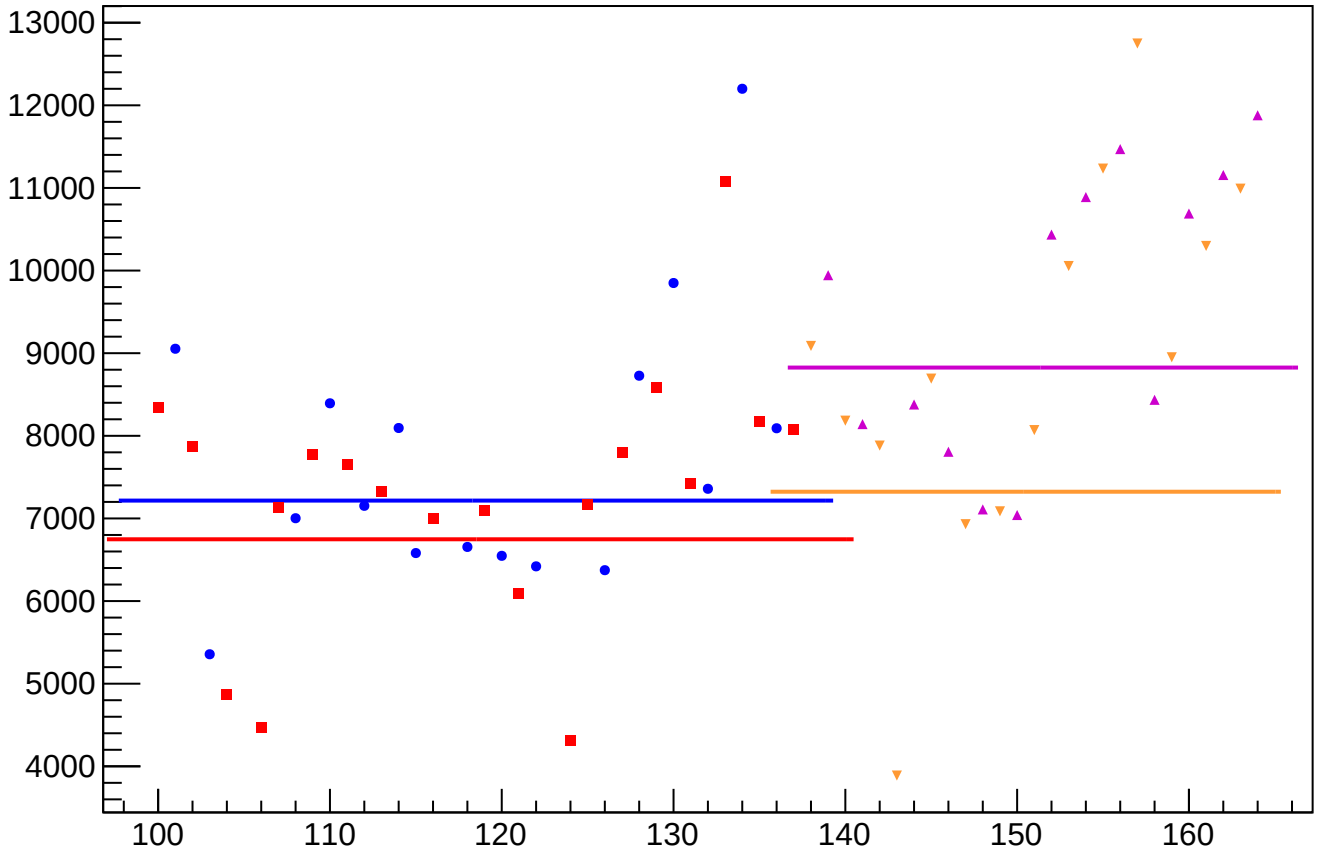
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1757.208+/-0.294 χ^2/NDF:546861.9/28

Out: 1769.318+/-0.294 χ^2/NDF:870219.0/32

All: 1763.245+/-0.208 χ^2/NDF: 1417929.3/61


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
160
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: -267.811+/-2329.860 χ²/NDF:19.1/13
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 2470.324+/-2716.278 χ²/NDF:8.7/12
Left: 892.801+/-1768.440 χ²/NDF: 28.4/26
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: 304.064+/-1929.015 χ²/NDF:24.3/28
Out: -492.896+/-1720.013 χ²/NDF:36.4/32
All: -139.913+/-1283.790 χ²/NDF: 60.9/61



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7323.363+/-1.647 χ^2/NDF:2396657.6/13

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8825.997+/-1.921 χ^2/NDF:675304.9/12

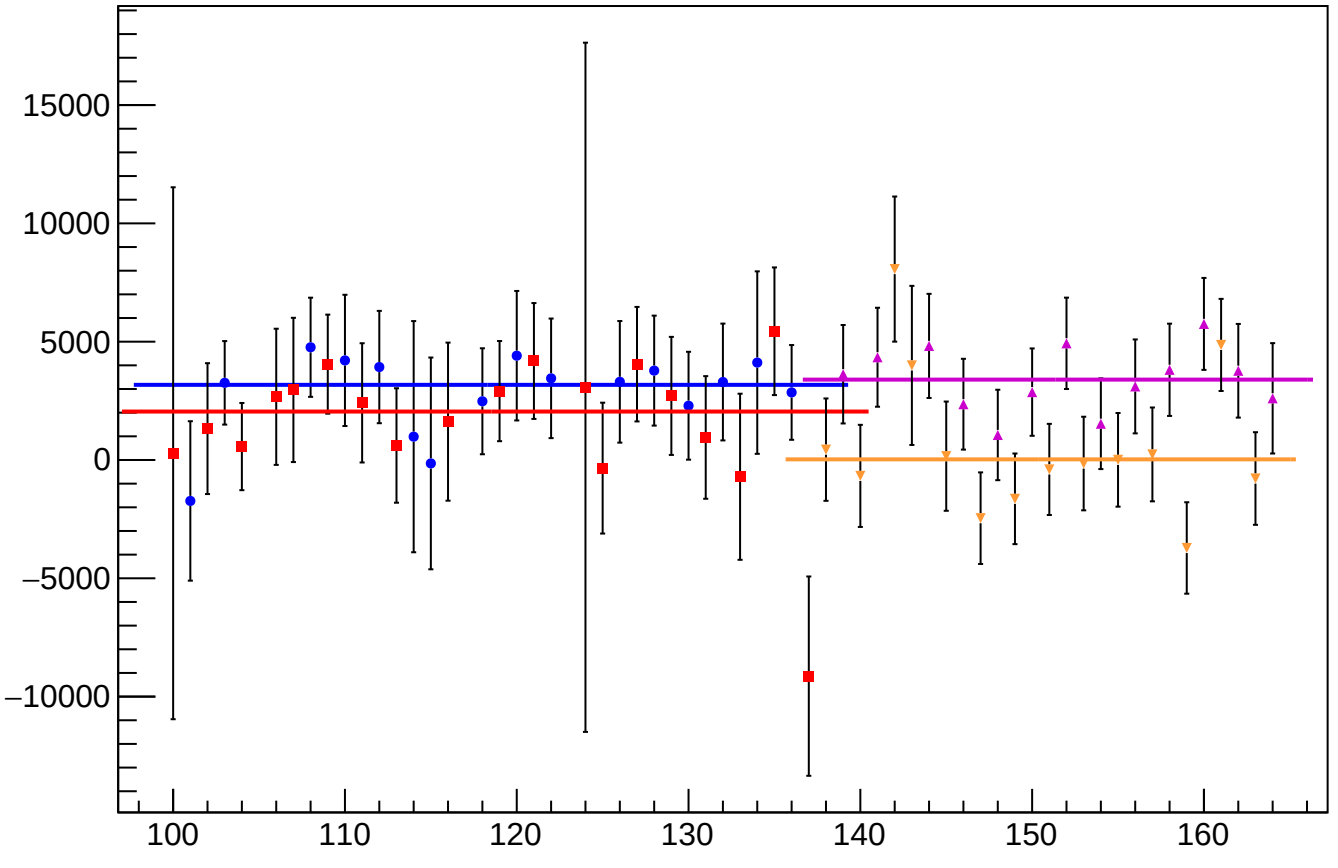
Left: 7960.284+/-1.250 χ^2/NDF: 3424584.2/26

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8027.999+/-1.364 χ^2/NDF:1535688.7/28

Out: 7061.458+/-1.216 χ^2/NDF:3160997.1/32

All: 7489.550+/-0.908 χ^2/NDF: 4976406.1/61



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 26.868+/-560.929 χ^2/NDF:21.0/13

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3396.641+/-553.321 χ^2/NDF:5.8/12

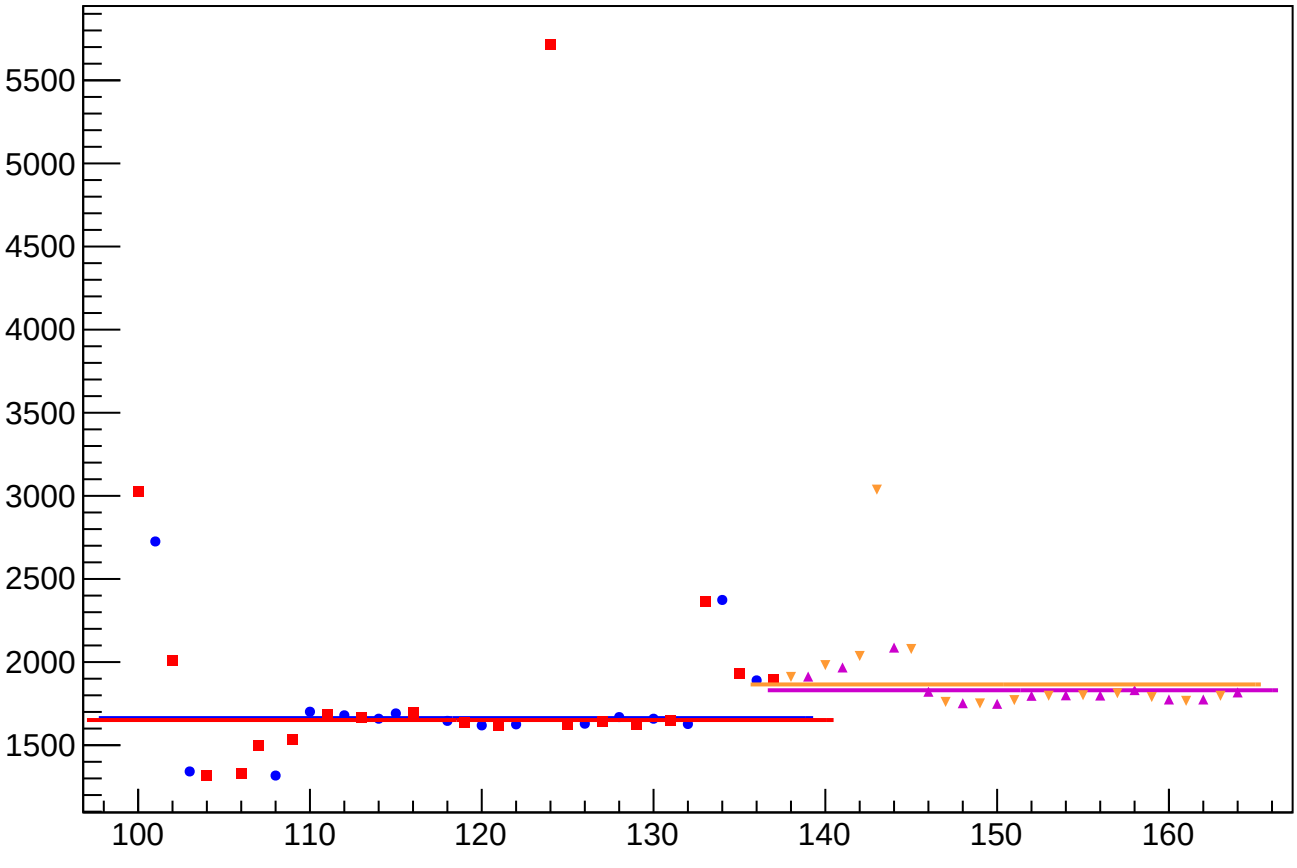
Left: 1734.760+/-393.919 χ^2/NDF: 45.1/26

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3300.075+/-415.160 χ^2/NDF:10.1/28

Out: 933.818+/-416.408 χ^2/NDF:40.9/32

All: 2120.498+/-294.003 χ^2/NDF: 67.2/61



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1865.437+/-0.397 χ^2/NDF:307435.0/13

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1830.422+/-0.391 χ^2/NDF:51112.2/12

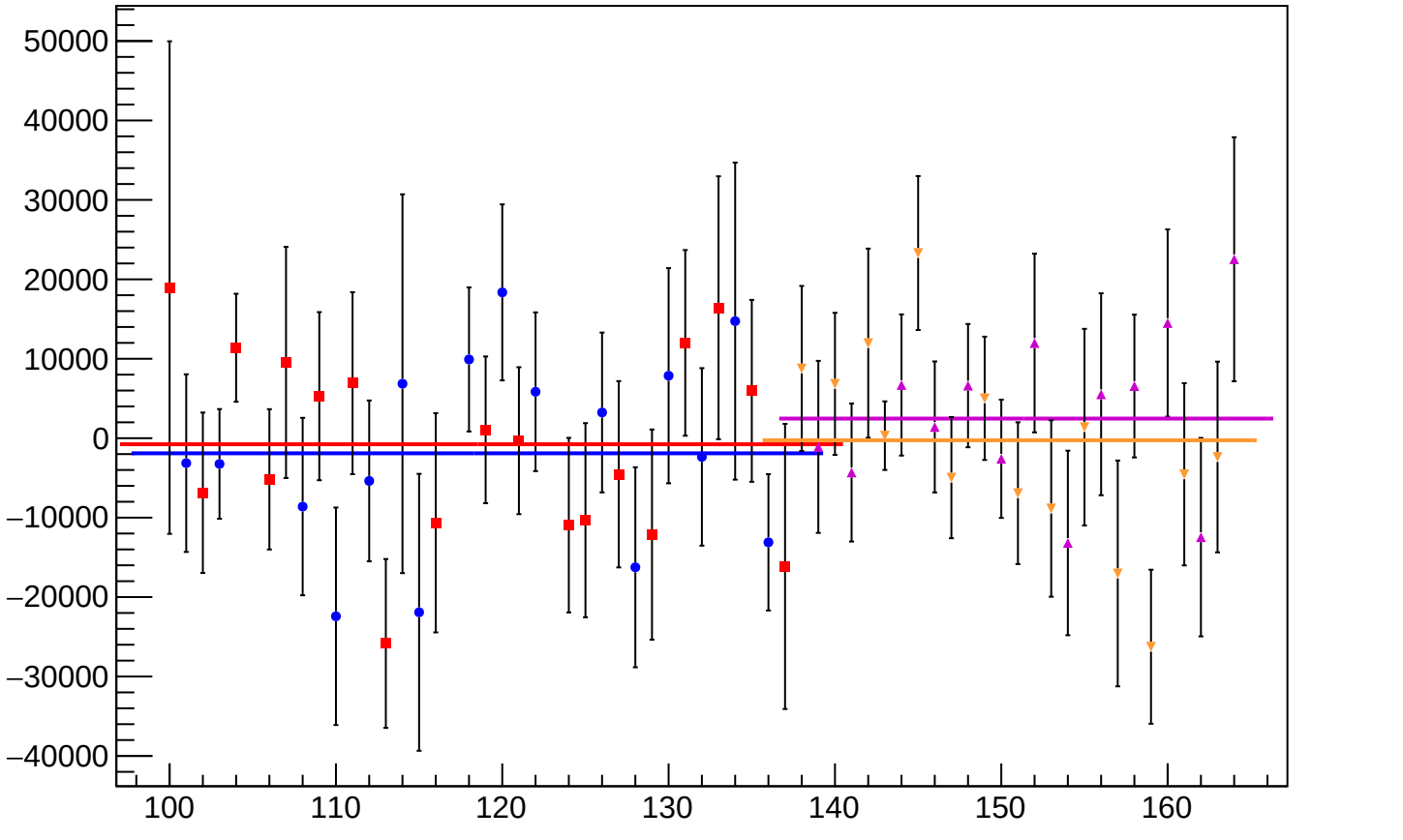
Left: 1847.690+/-0.279 χ^2/NDF: 362497.1/26

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1757.208+/-0.294 χ^2/NDF:546861.9/28

Out: 1769.318+/-0.294 χ^2/NDF:870219.0/32

All: 1763.245+/-0.208 χ^2/NDF: 1417929.3/61



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -267.811+/-2329.860 χ^2/NDF:19.1/13

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 2470.324+/-2716.278 χ^2/NDF:8.7/12

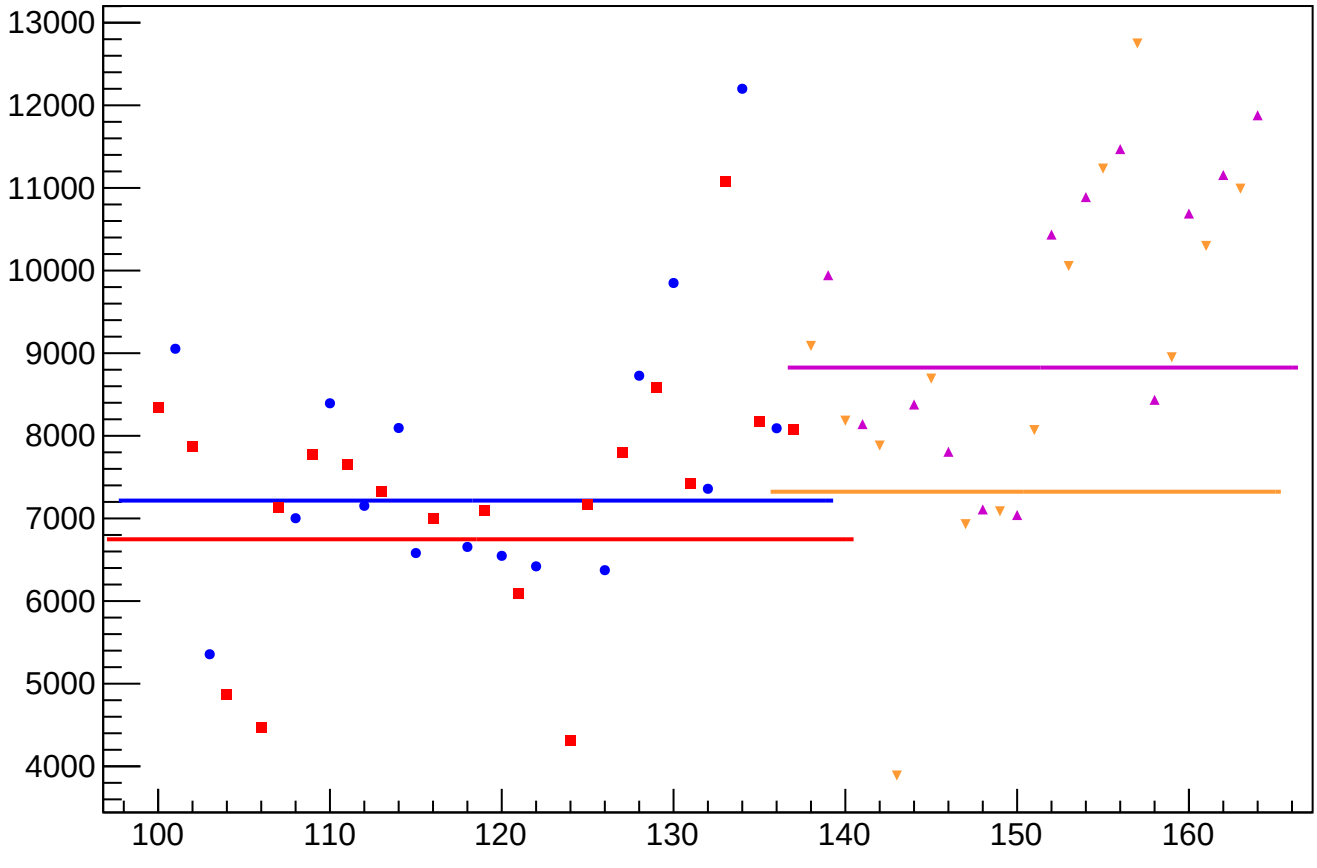
Left: 892.801+/-1768.440 χ^2/NDF: 28.4/26

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: 304.064+/-1929.015 χ^2/NDF:24.3/28

Out: -492.896+/-1720.013 χ^2/NDF:36.4/32

All: -139.913+/-1283.790 χ^2/NDF: 60.9/61



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7323.363+/-1.647 χ^2/NDF:2396657.6/13

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8825.997+/-1.921 χ^2/NDF:675304.9/12

Left: 7960.284+/-1.250 χ^2/NDF: 3424584.2/26

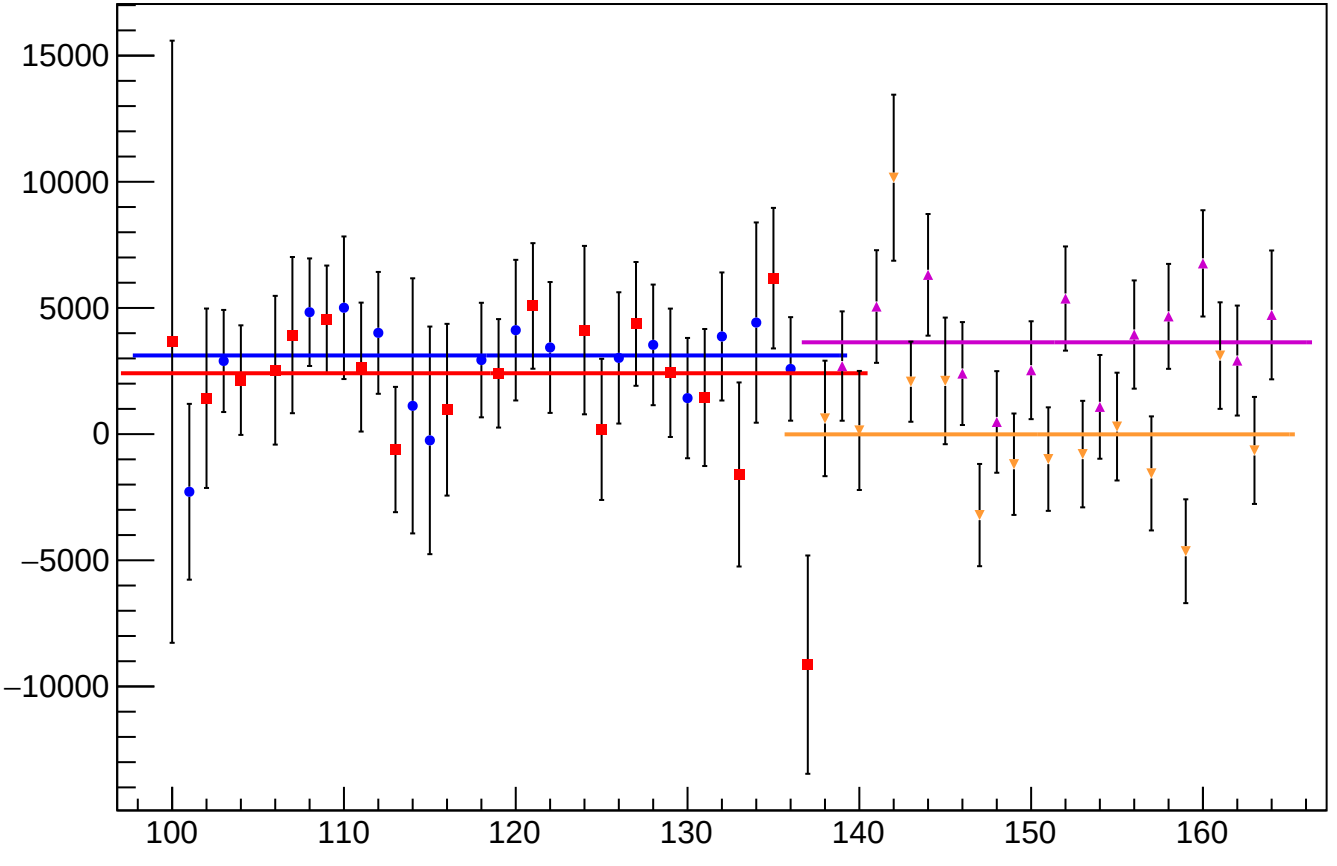
Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8027.999+/-1.364 χ^2/NDF:1535688.7/28

Out: 7061.458+/-1.216 χ^2/NDF:3160997.1/32

All: 7489.550+/-0.908 χ^2/NDF: 4976406.1/61

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: -8.997+/-570.745 χ^2/NDF:23.1/13

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3638.676+/-592.531 χ^2/NDF:10.0/12

Left: 1746.551+/-411.064 χ^2/NDF: 52.8/26

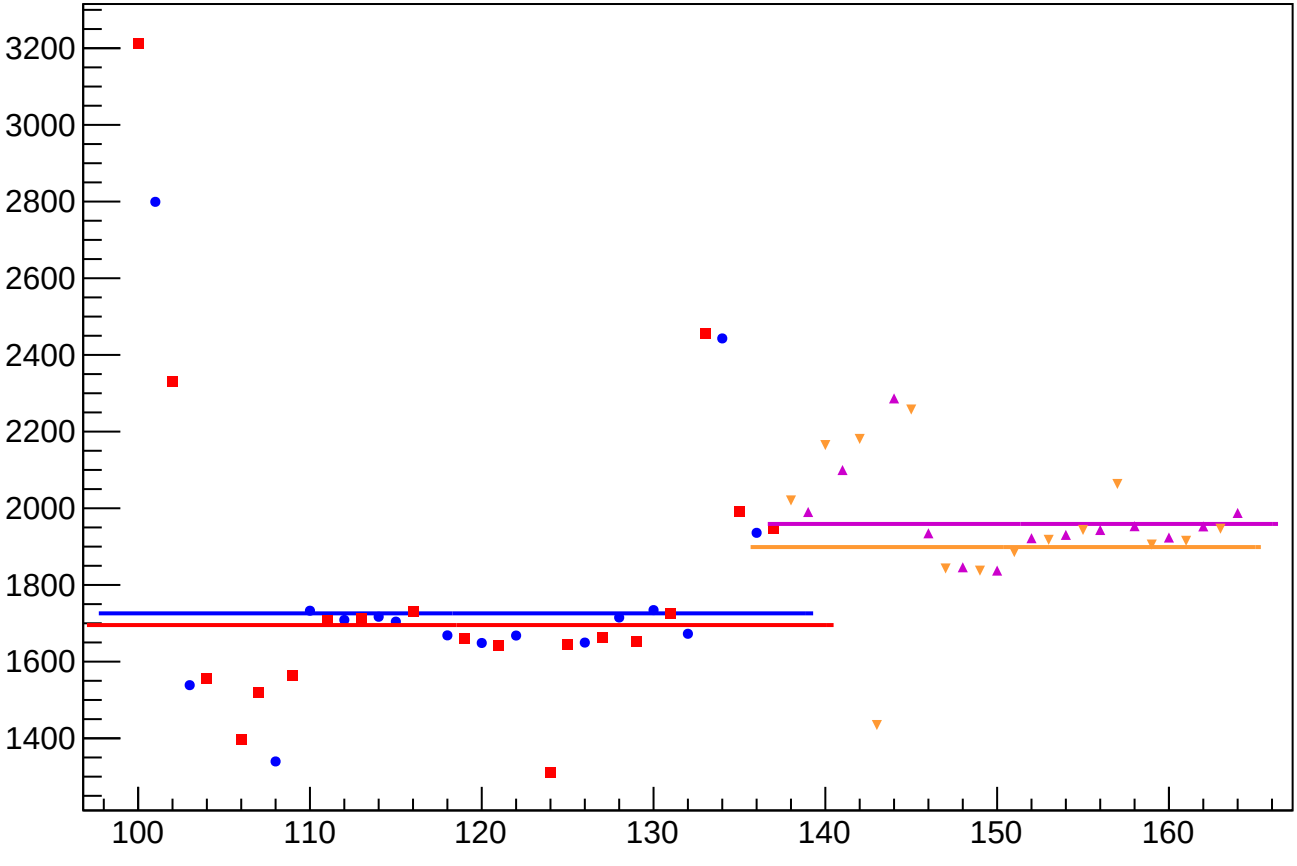
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3402.757+/-438.235 χ^2/NDF:15.7/28

Out: 1065.517+/-425.676 χ^2/NDF:47.1/32

All: 2200.169+/-305.342 χ^2/NDF: 77.4/61

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1898.815+/-0.404 χ^2/NDF:273847.5/13

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1959.140+/-0.419 χ^2/NDF:61719.1/12

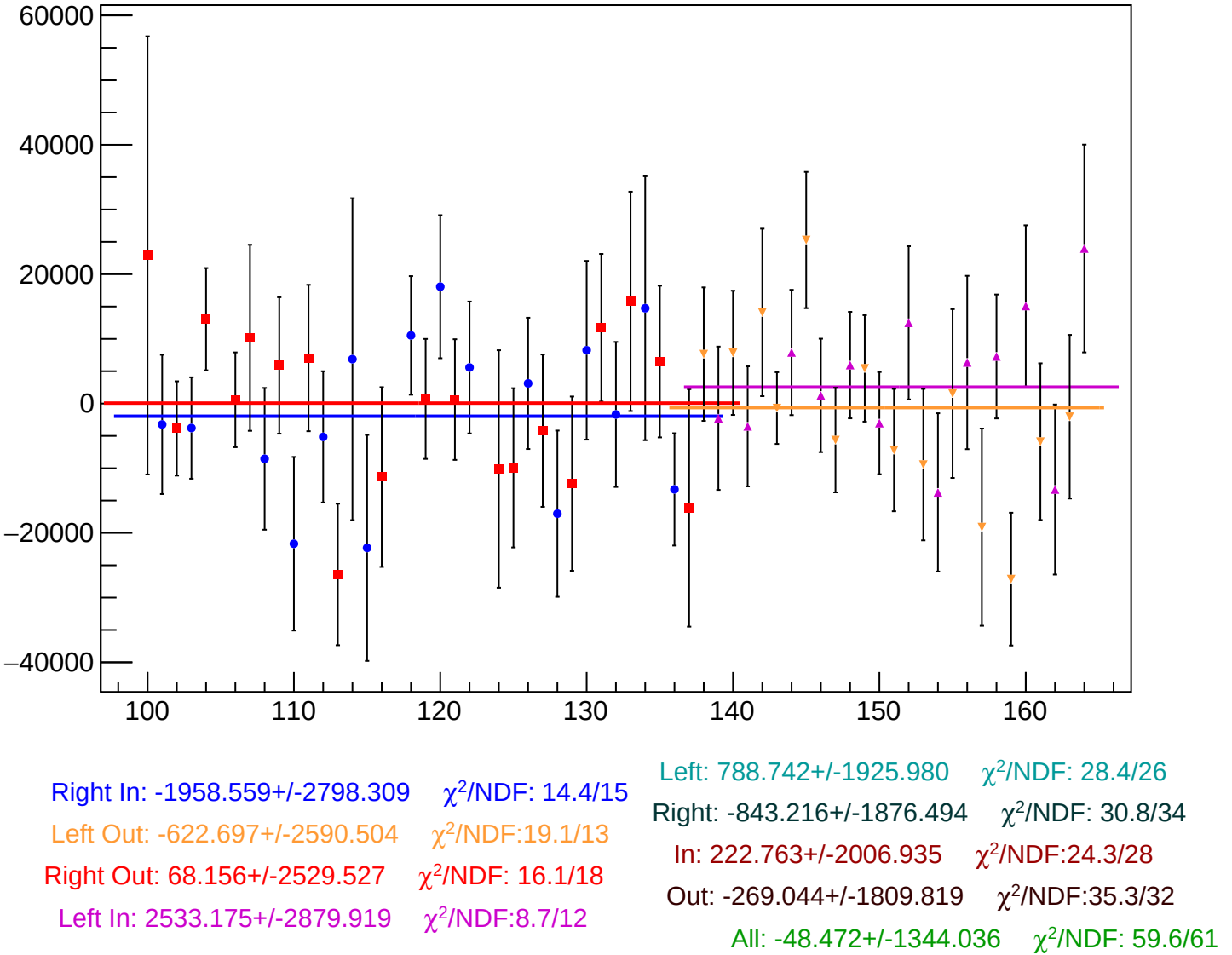
Left: 1927.848+/-0.291 χ^2/NDF: 346319.7/26

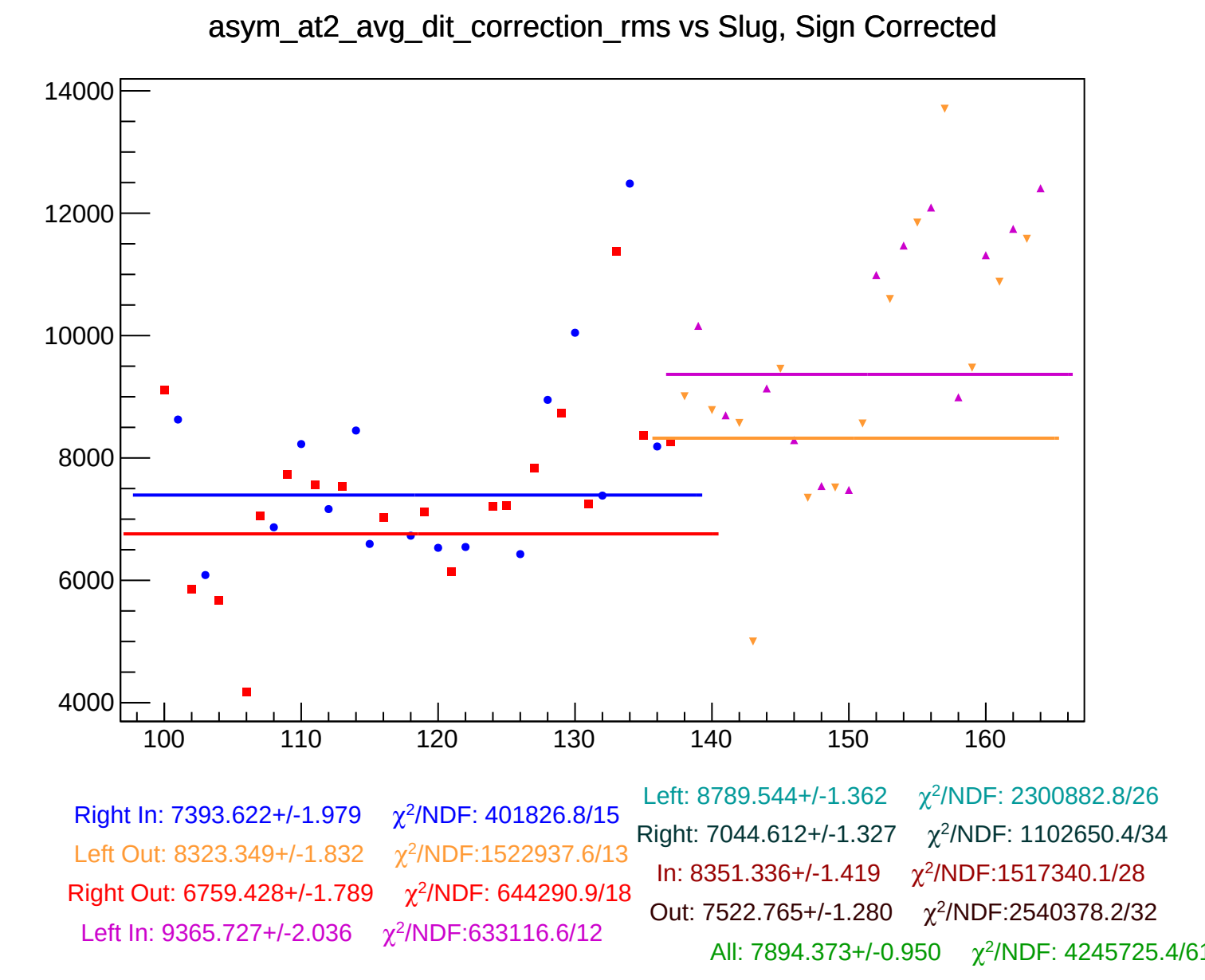
Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

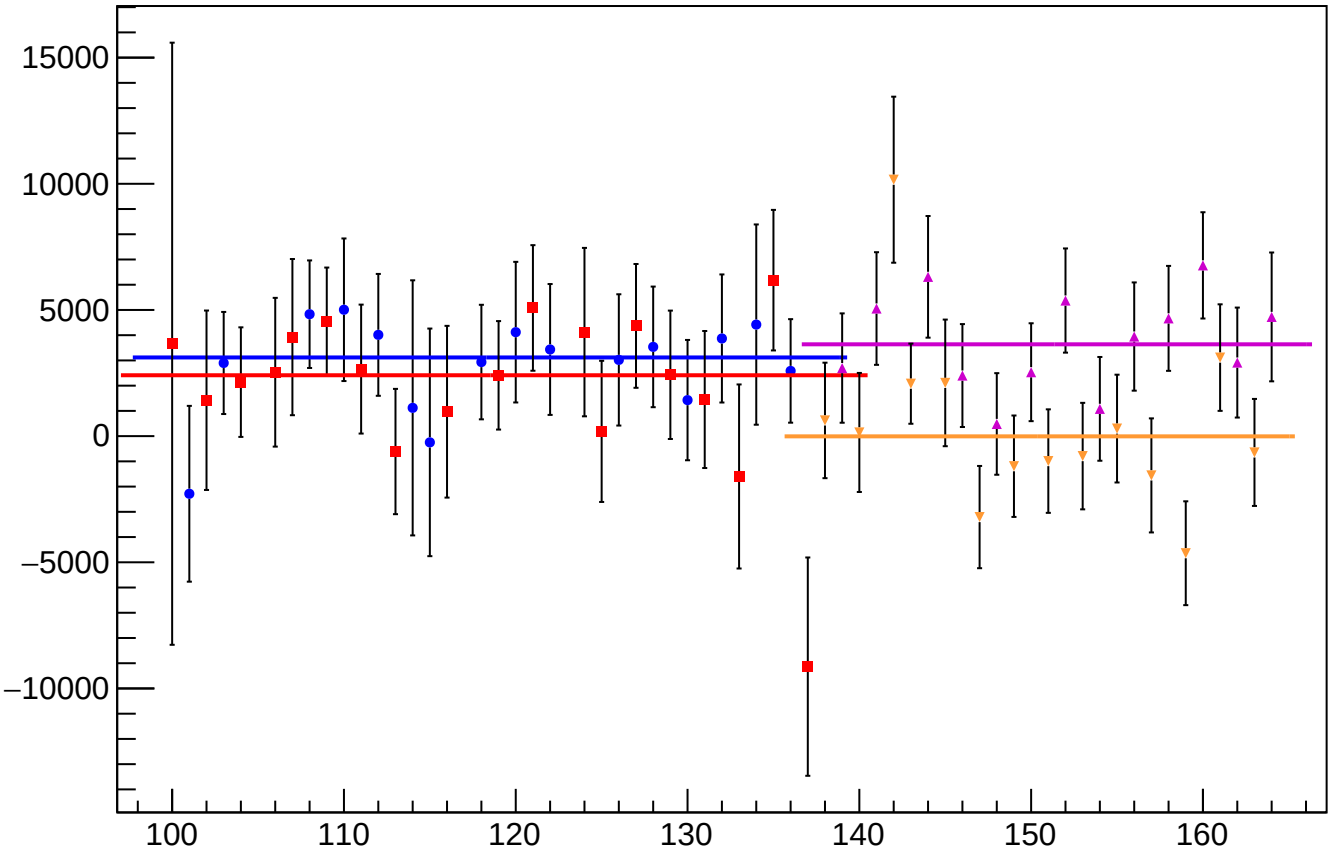
In: 1853.488+/-0.310 χ^2/NDF:567725.3/28

Out: 1808.508+/-0.301 χ^2/NDF:672261.5/32

All: 1830.341+/-0.216 χ^2/NDF: 1250829.7/61


asym_at2_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -1958.559+/-2798.309 χ²/NDF: 14.4/15
Left Out: -622.697+/-2590.504 χ²/NDF:19.1/13
Right Out: 68.156+/-2529.527 χ²/NDF: 16.1/18
Left In: 2533.175+/-2879.919 χ²/NDF:8.7/12
Left: 788.742+/-1925.980 χ²/NDF: 28.4/26
Right: -843.216+/-1876.494 χ²/NDF: 30.8/34
In: 222.763+/-2006.935 χ²/NDF:24.3/28
Out: -269.044+/-1809.819 χ²/NDF:35.3/32
All: -48.472+/-1344.036 χ²/NDF: 59.6/61


asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 7393.622+/-1.979 χ²/NDF: 401826.8/15
Left Out: 8323.349+/-1.832 χ²/NDF:1522937.6/13
Right Out: 6759.428+/-1.789 χ²/NDF: 644290.9/18
Left In: 9365.727+/-2.036 χ²/NDF:633116.6/12
Left: 8789.544+/-1.362 χ²/NDF: 2300882.8/26
Right: 7044.612+/-1.327 χ²/NDF: 1102650.4/34
In: 8351.336+/-1.419 χ²/NDF:1517340.1/28
Out: 7522.765+/-1.280 χ²/NDF:2540378.2/32
All: 7894.373+/-0.950 χ²/NDF: 4245725.4/61



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: -9.012+/-570.746 χ^2/NDF:23.1/13

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3638.678+/-592.532 χ^2/NDF:10.0/12

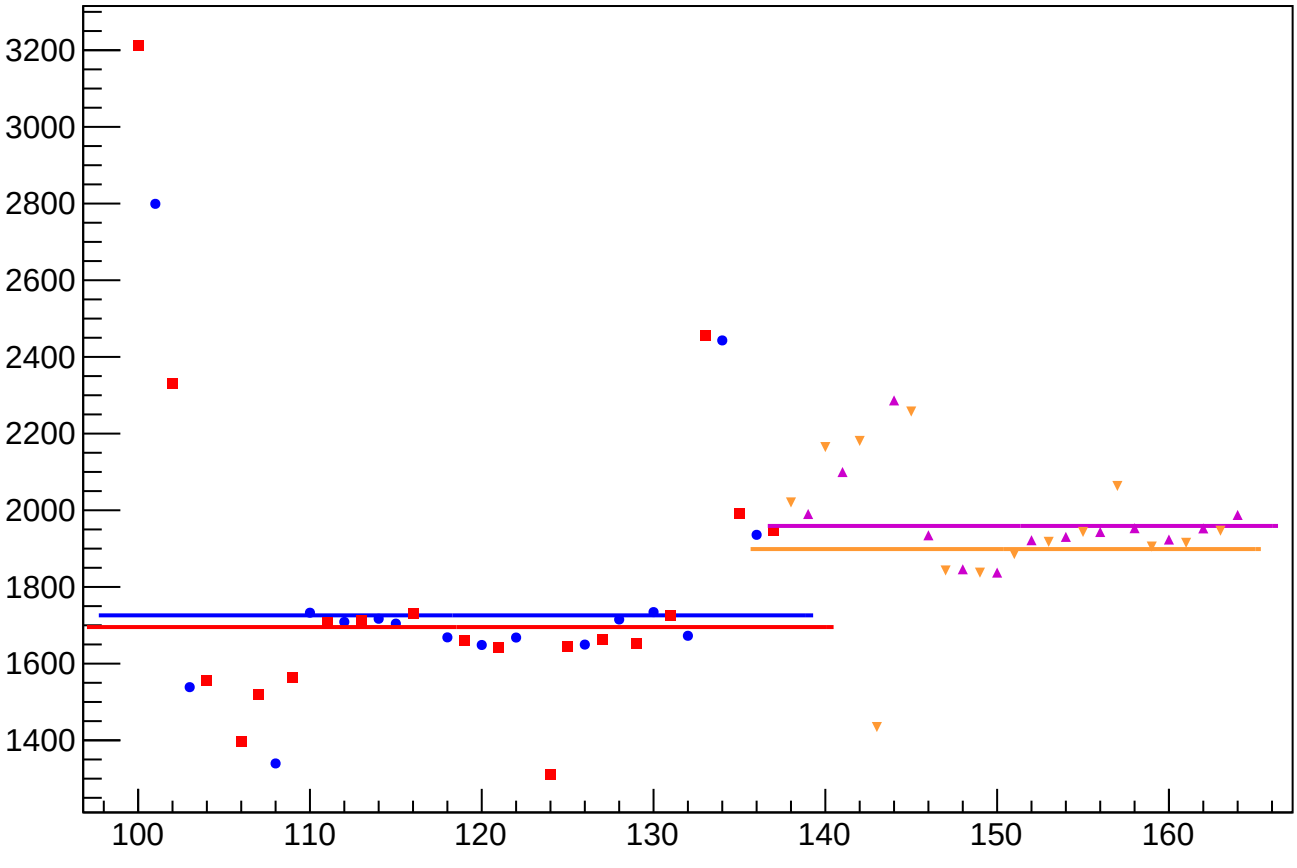
Left: 1746.544+/-411.065 χ^2/NDF: 52.8/26

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3402.759+/-438.235 χ^2/NDF:15.7/28

Out: 1065.514+/-425.677 χ^2/NDF:47.1/32

All: 2200.168+/-305.342 χ^2/NDF: 77.4/61



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1898.818+/-0.404 χ^2/NDF:273848.8/13

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1959.143+/-0.419 χ^2/NDF:61719.5/12

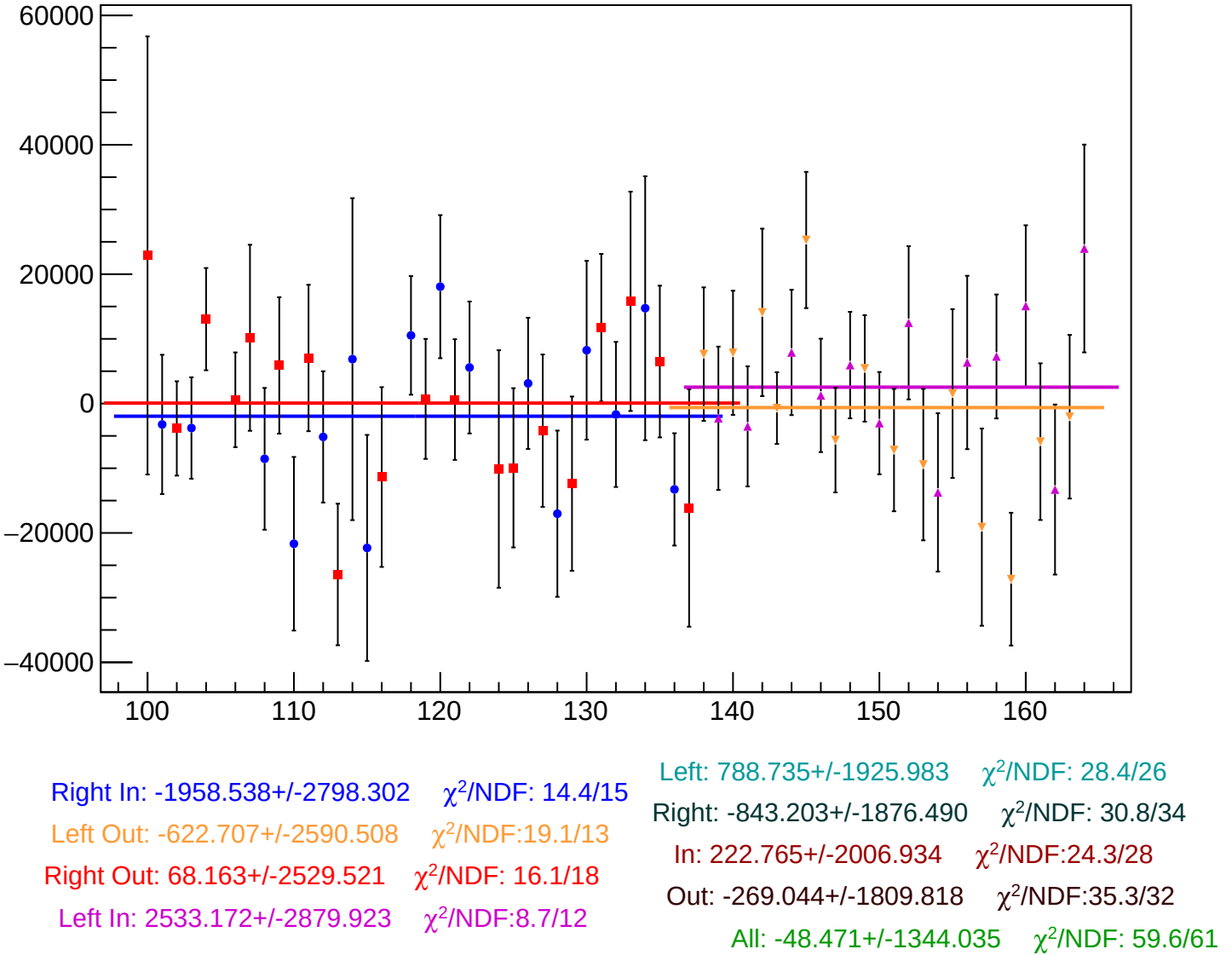
Left: 1927.852+/-0.291 χ^2/NDF: 346321.3/26

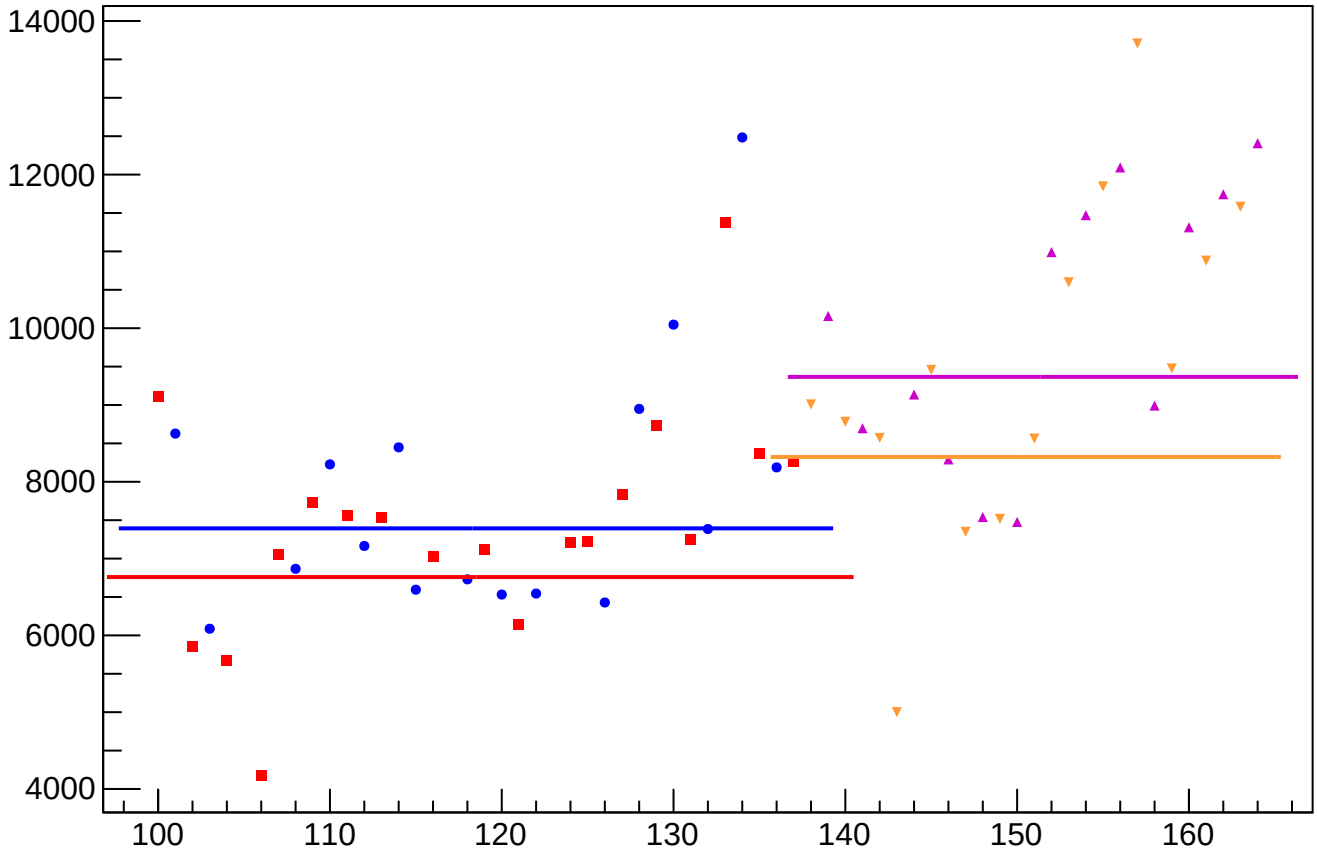
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1853.490+/-0.310 χ^2/NDF:567730.6/28

Out: 1808.509+/-0.301 χ^2/NDF:672267.1/32

All: 1830.342+/-0.216 χ^2/NDF: 1250840.7/61


asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -1958.538+/-2798.302 χ²/NDF: 14.4/15
Left Out: -622.707+/-2590.508 χ²/NDF:19.1/13
Right Out: 68.163+/-2529.521 χ²/NDF: 16.1/18
Left In: 2533.172+/-2879.923 χ²/NDF:8.7/12
Left: 788.735+/-1925.983 χ²/NDF: 28.4/26
Right: -843.203+/-1876.490 χ²/NDF: 30.8/34
In: 222.765+/-2006.934 χ²/NDF:24.3/28
Out: -269.044+/-1809.818 χ²/NDF:35.3/32
All: -48.471+/-1344.035 χ²/NDF: 59.6/61



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8323.361+/-1.832 χ^2/NDF:1522937.6/13

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9365.739+/-2.036 χ^2/NDF:633118.2/12

Left: 8789.557+/-1.362 χ^2/NDF: 2300884.2/26

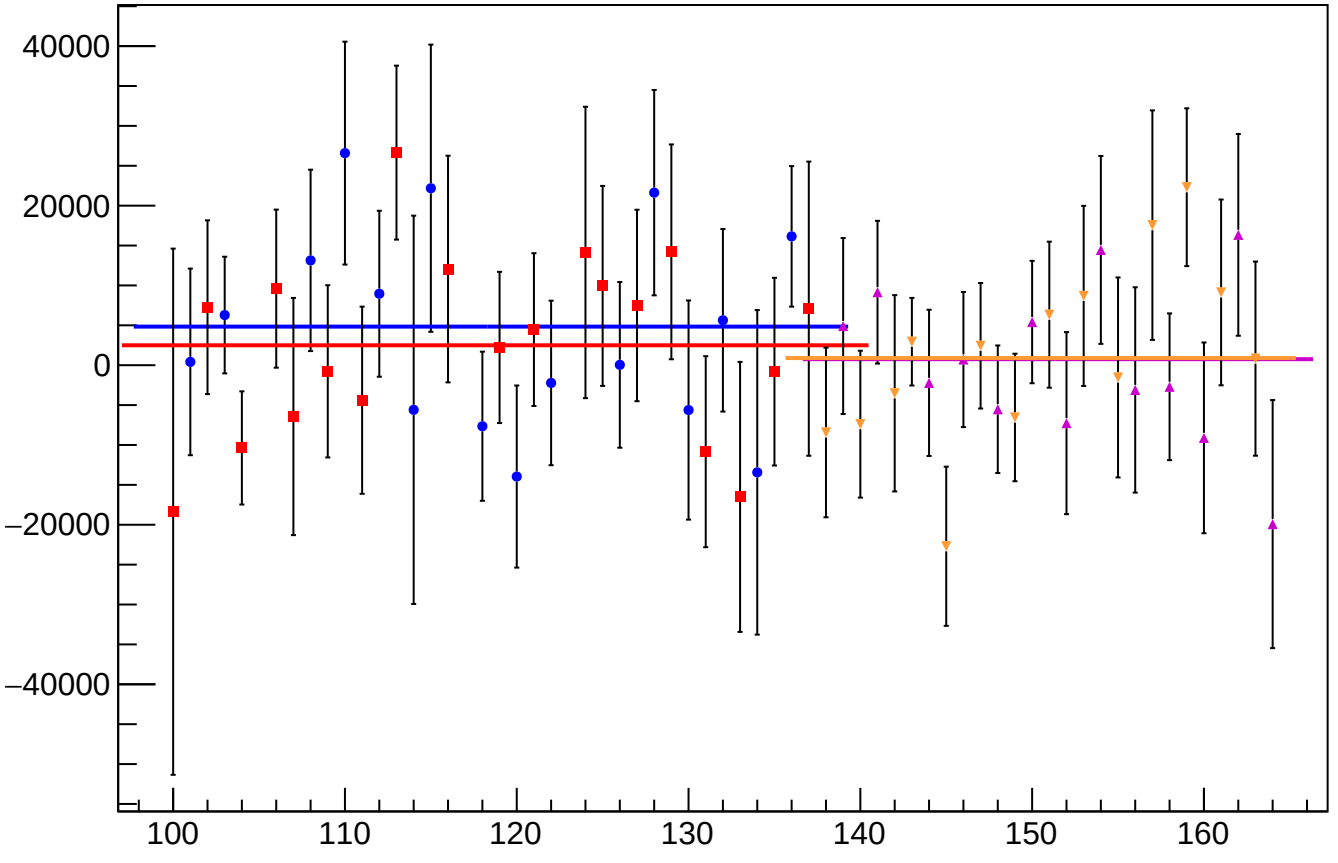
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8351.330+/-1.419 χ^2/NDF:1517359.2/28

Out: 7522.761+/-1.280 χ^2/NDF:2540390.0/32

All: 7894.368+/-0.950 χ^2/NDF: 4245755.4/61

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 895.239+/-2518.964 χ^2/NDF:15.7/13

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 754.765+/-2780.706 χ^2/NDF:8.2/12

Left: 831.923+/-1866.871 χ^2/NDF: 23.9/26

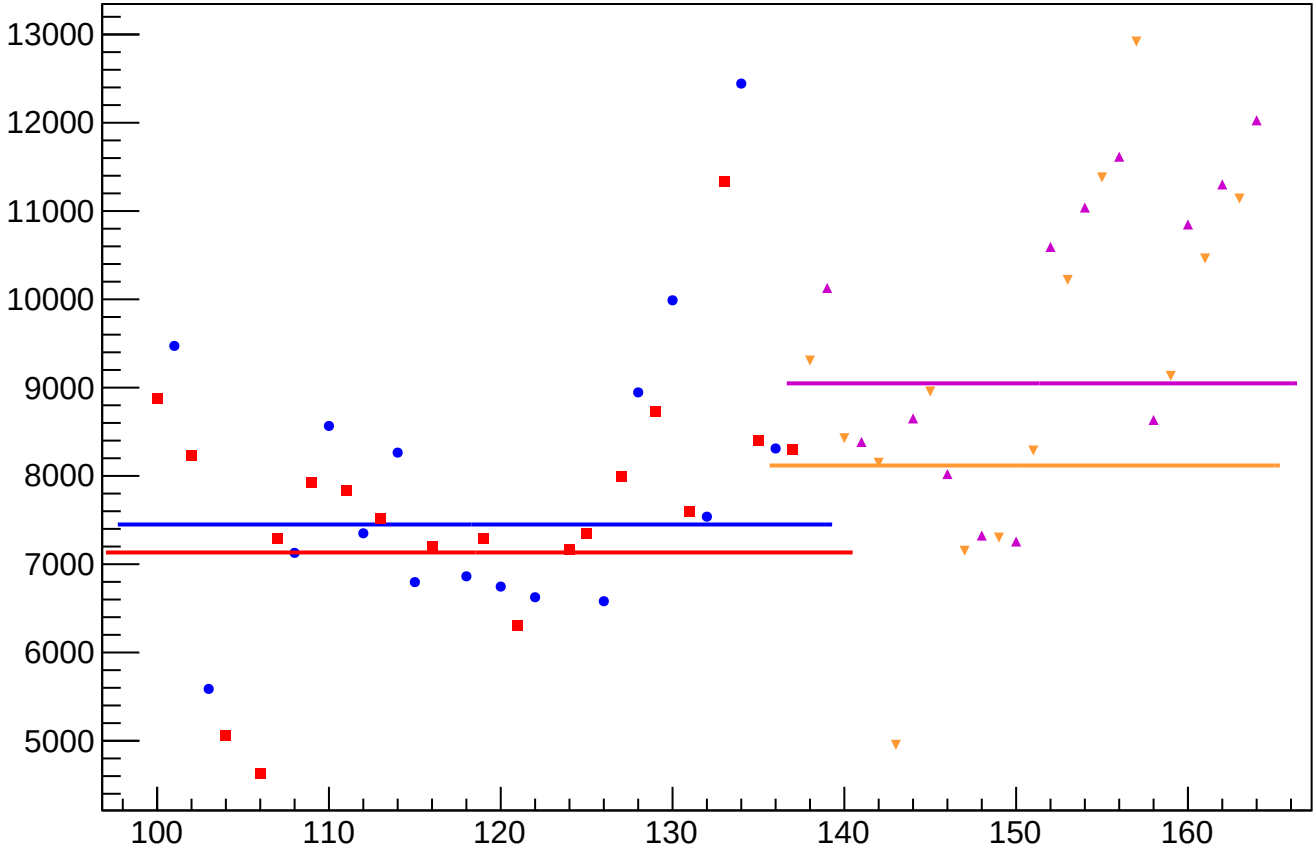
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 2761.204+/-1983.082 χ^2/NDF:23.5/28

Out: 1641.406+/-1840.434 χ^2/NDF:30.9/32

All: 2159.586+/-1348.997 χ^2/NDF: 54.6/61

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8118.189+/-1.781 χ^2/NDF:1410511.9/13

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9048.431+/-1.966 χ^2/NDF:625044.3/12

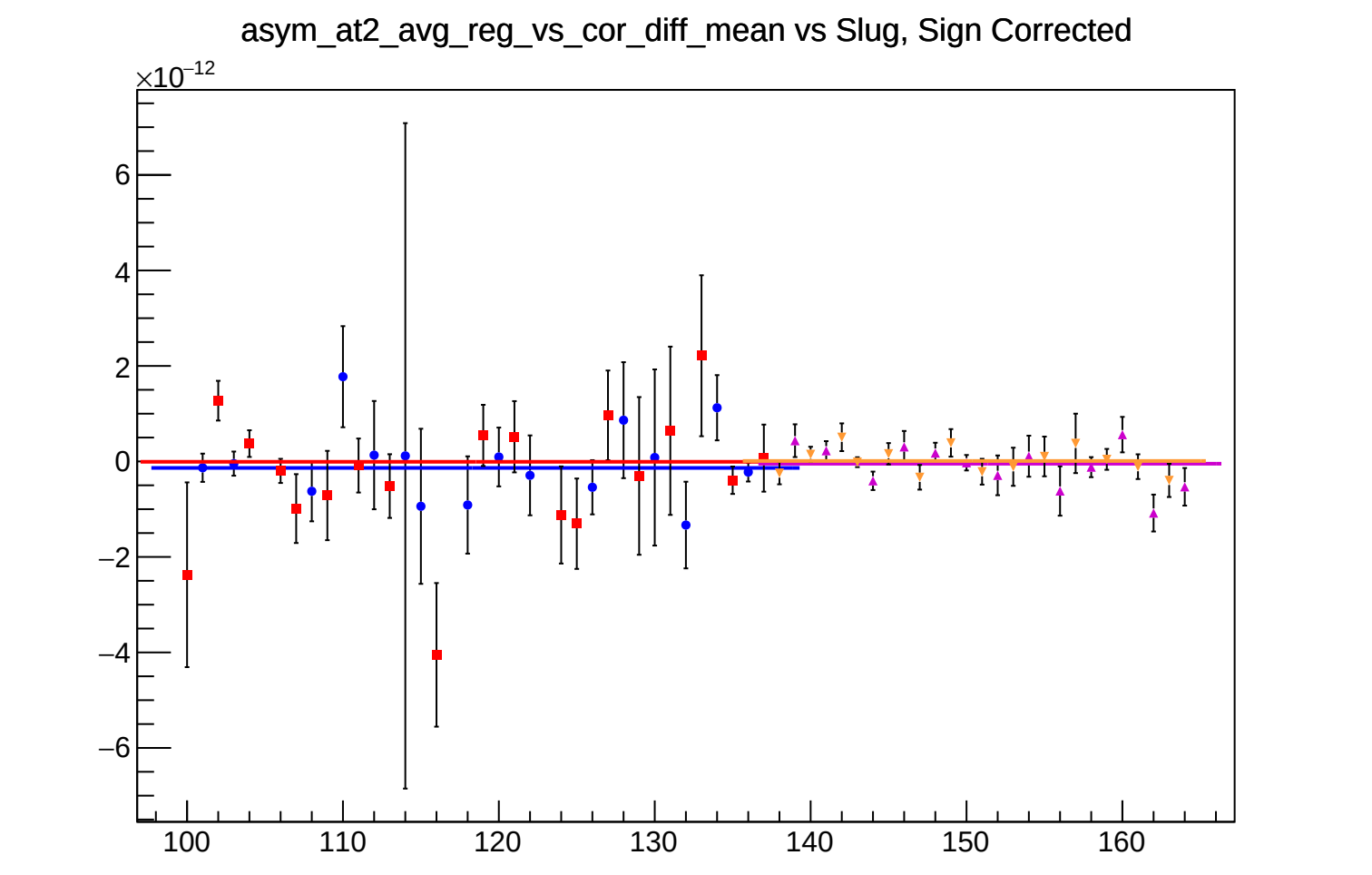
Left: 8537.479+/-1.320 χ^2/NDF: 2158497.1/26

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8262.938+/-1.402 χ^2/NDF:1436230.1/28

Out: 7658.935+/-1.301 χ^2/NDF:2110101.3/32

All: 7938.425+/-0.954 χ^2/NDF: 3646015.1/61



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:22.6/12

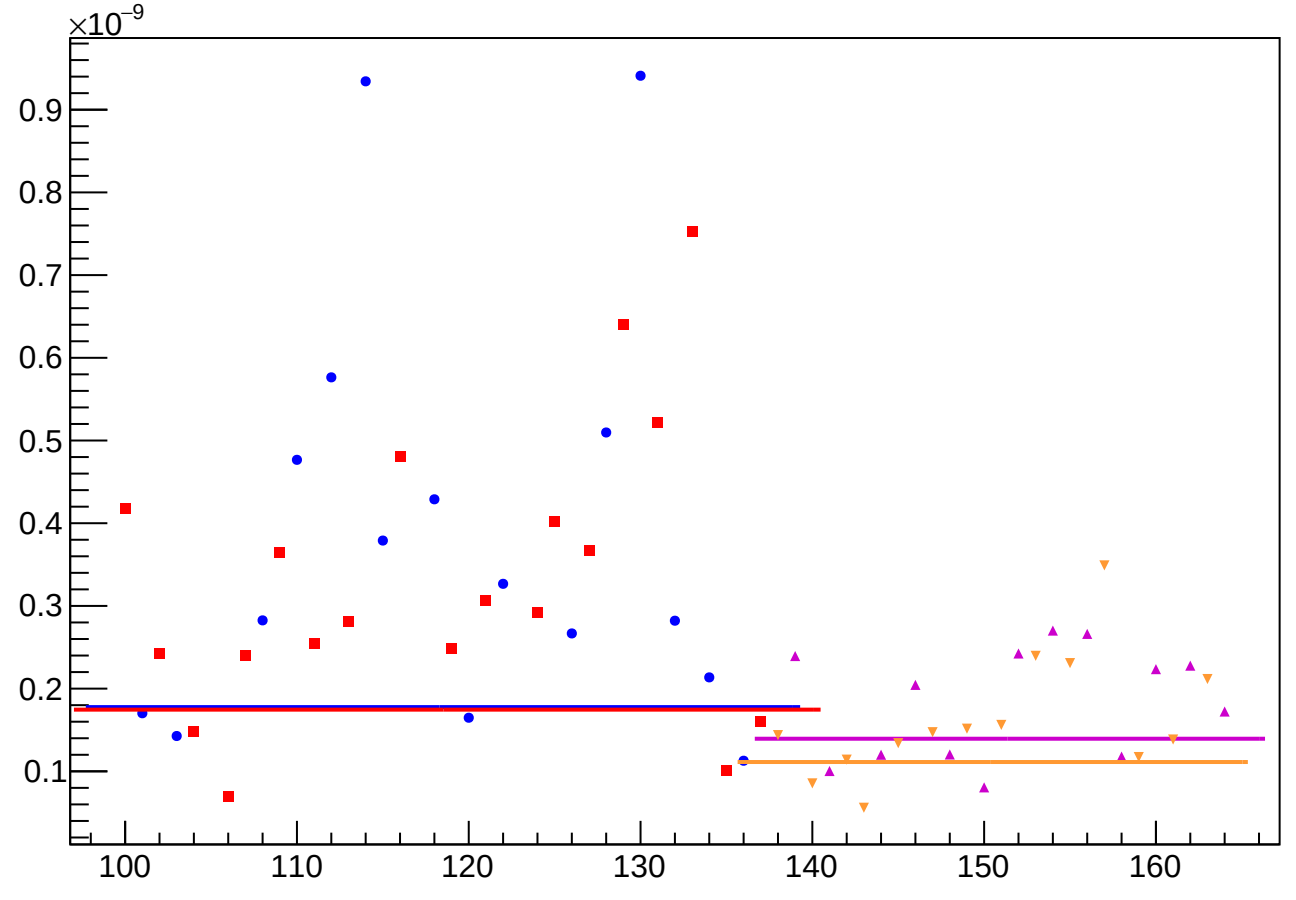
Left: -0.000+/-0.000 χ^2/NDF: 34.6/26

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:34.6/28

Out: 0.000+/-0.000 χ^2/NDF:44.4/32

All: -0.000+/-0.000 χ^2/NDF: 79.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1671940.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1291688.5/12

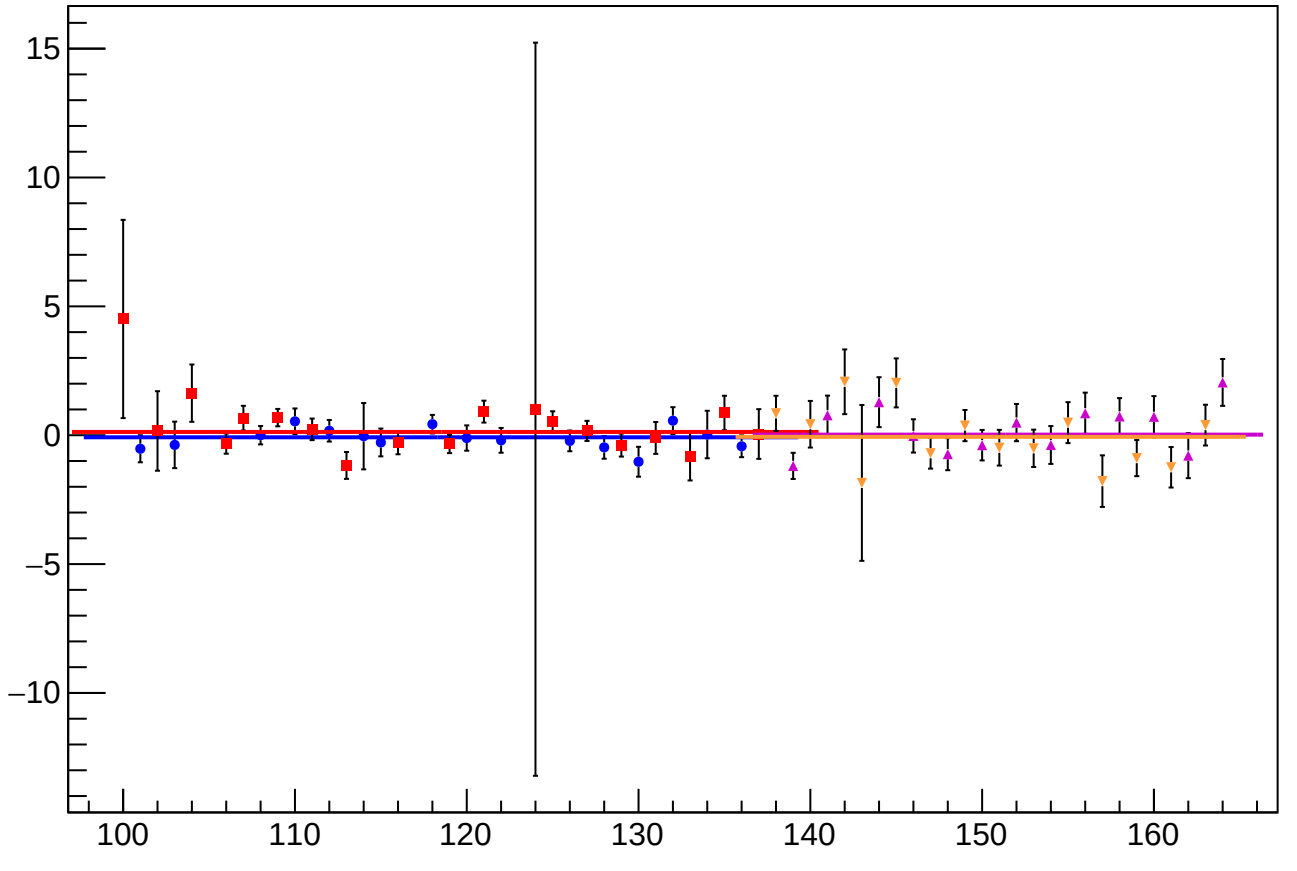
Left: 0.000+/-0.000 χ^2/NDF: 3141941.8/26

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:2970011.5/28

Out: 0.000+/-0.000 χ^2/NDF:3742842.4/32

All: 0.000+/-0.000 χ^2/NDF: 6920995.1/61



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.023+/-0.196 χ^2/NDF:19.7/12

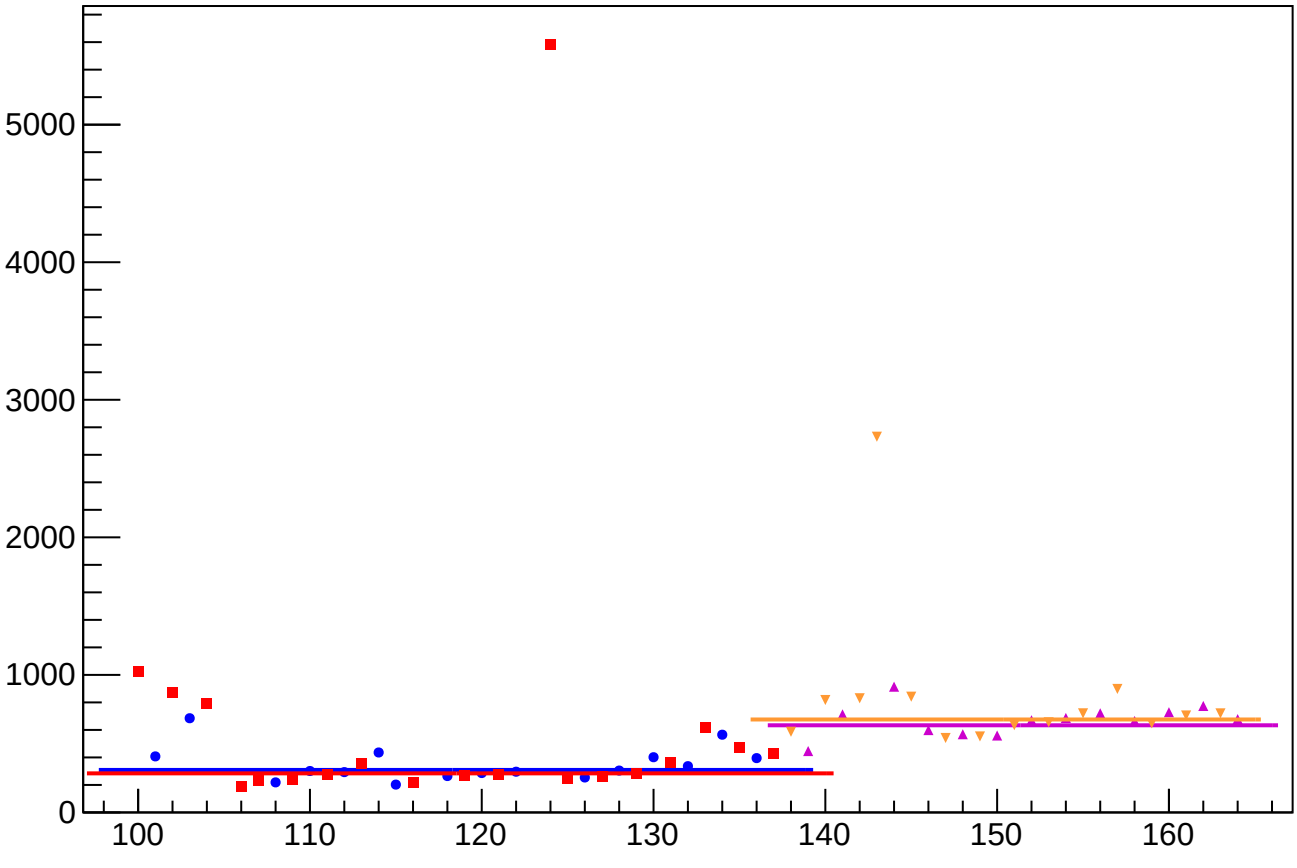
Left: -0.017+/-0.144 χ^2/NDF: 39.8/26

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.051+/-0.104 χ^2/NDF:30.7/28

Out: 0.083+/-0.102 χ^2/NDF:45.9/32

All: 0.017+/-0.073 χ^2/NDF: 77.4/61



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 675.849+/-0.149 χ^2/NDF:1409646.6/13

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 633.685+/-0.139 χ^2/NDF:650073.1/12

Left: 653.328+/-0.102 χ^2/NDF: 2102634.4/26

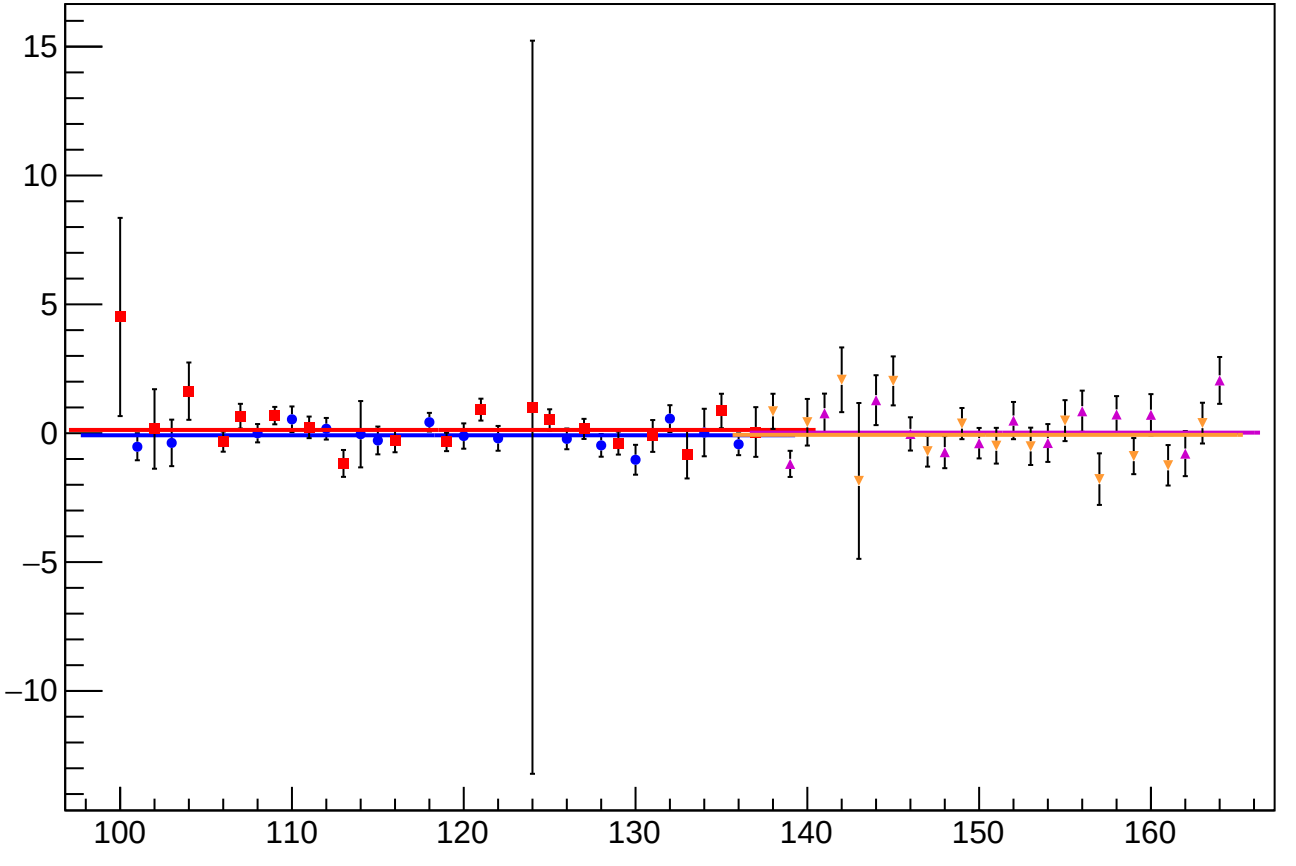
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 399.283+/-0.073 χ^2/NDF:5607058.0/28

Out: 376.612+/-0.072 χ^2/NDF:8562903.4/32

All: 387.797+/-0.051 χ^2/NDF: 14218522.8/61

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: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.023+/-0.196 χ^2/NDF:19.7/12

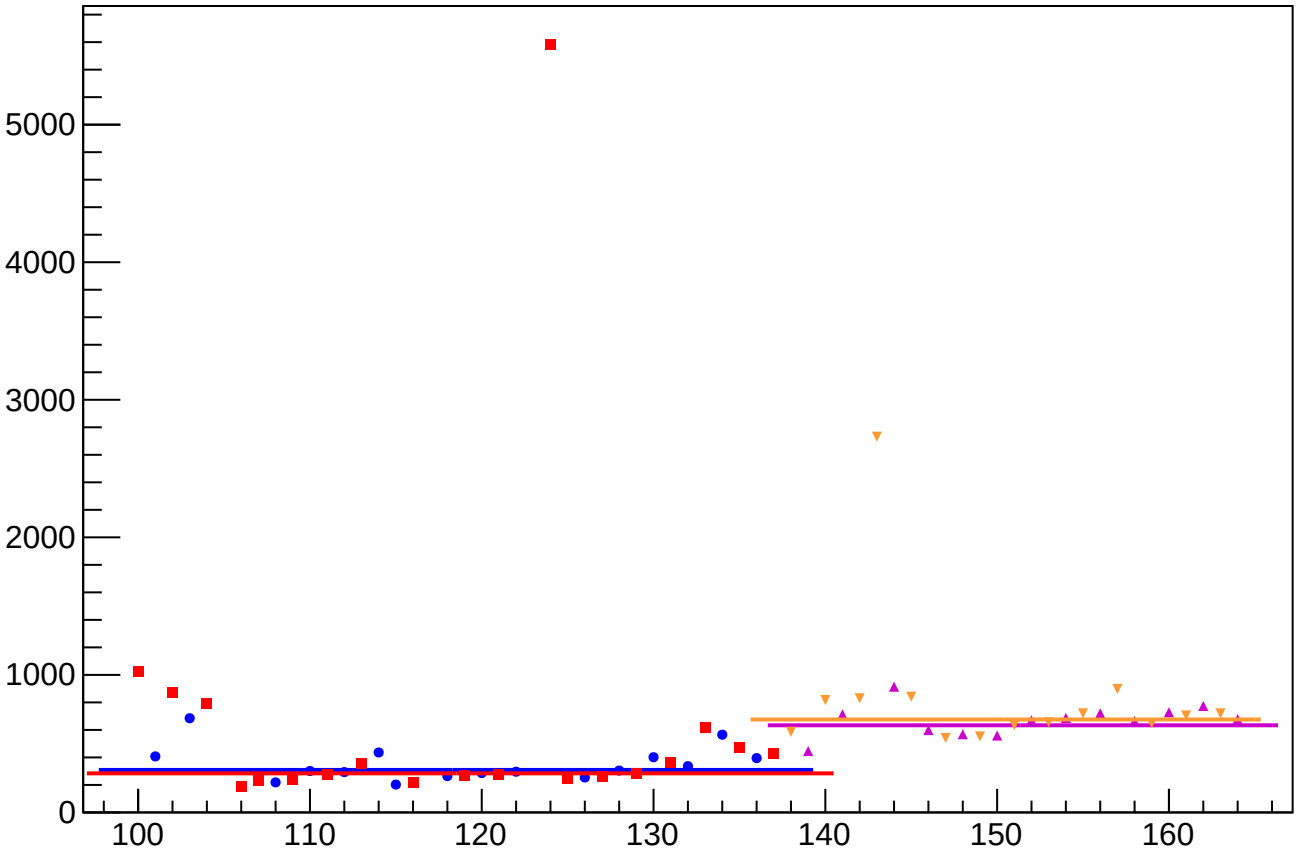
Left: -0.017+/-0.144 χ^2/NDF: 39.8/26

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.051+/-0.104 χ^2/NDF:30.7/28

Out: 0.083+/-0.102 χ^2/NDF:45.9/32

All: 0.017+/-0.073 χ^2/NDF: 77.4/61



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 675.849+/-0.149 χ^2/NDF:1409646.6/13

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 633.685+/-0.139 χ^2/NDF:650073.1/12

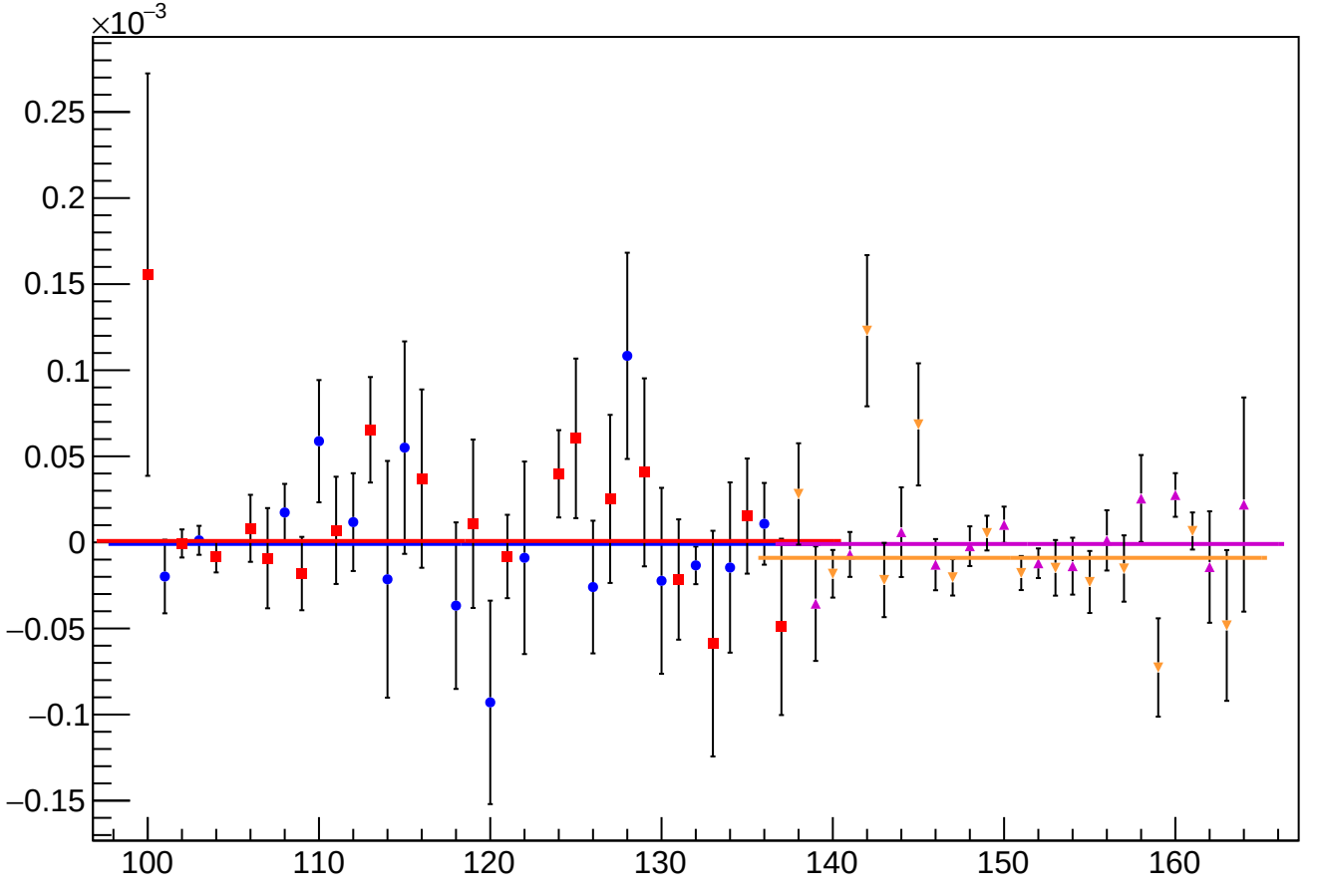
Left: 653.328+/-0.102 χ^2/NDF: 2102634.4/26

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 399.283+/-0.073 χ^2/NDF:5607058.0/28

Out: 376.612+/-0.072 χ^2/NDF:8562903.4/32

All: 387.797+/-0.051 χ^2/NDF: 14218522.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/12

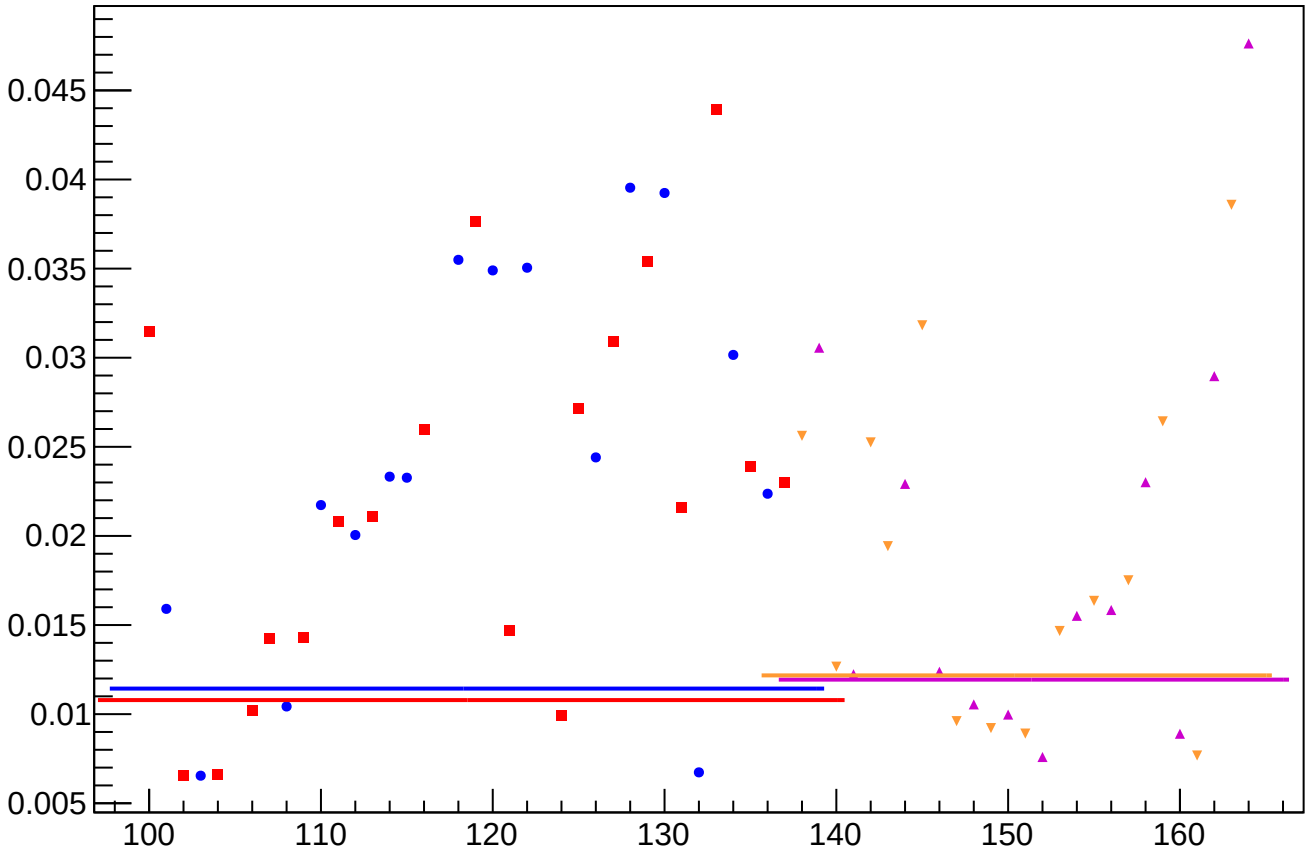
Left: -0.000+/-0.000 χ^2/NDF: 42.7/26

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:26.4/28

Out: -0.000+/-0.000 χ^2/NDF:47.4/32

All: -0.000+/-0.000 χ^2/NDF: 74.6/61



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:3827373.3/13

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:3498242.6/12

Left: 0.012+/-0.000 χ^2/NDF: 7328946.4/26

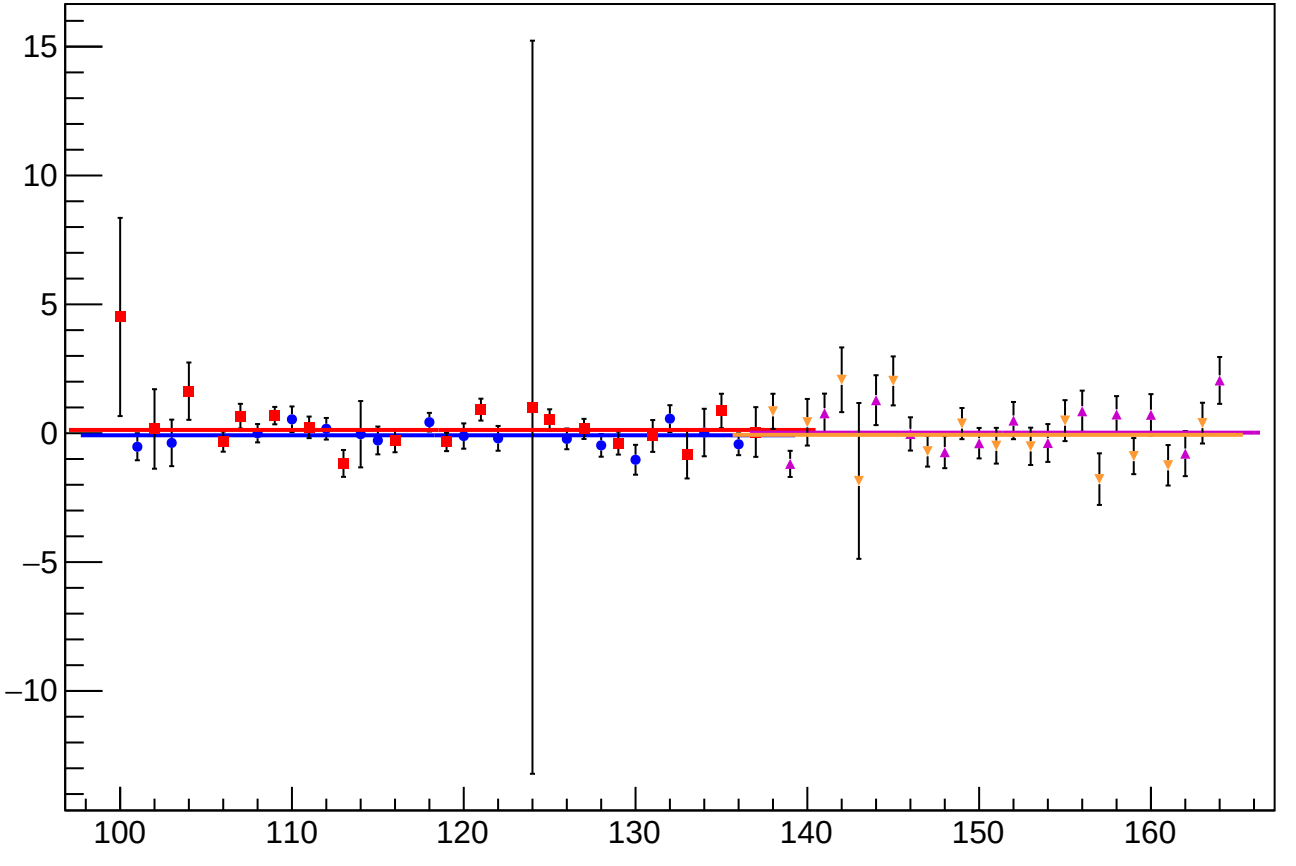
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:8209299.8/28

Out: 0.012+/-0.000 χ^2/NDF:8395989.6/32

All: 0.012+/-0.000 χ^2/NDF: 16607655.7/61

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.023+/-0.196 χ^2/NDF:19.7/12

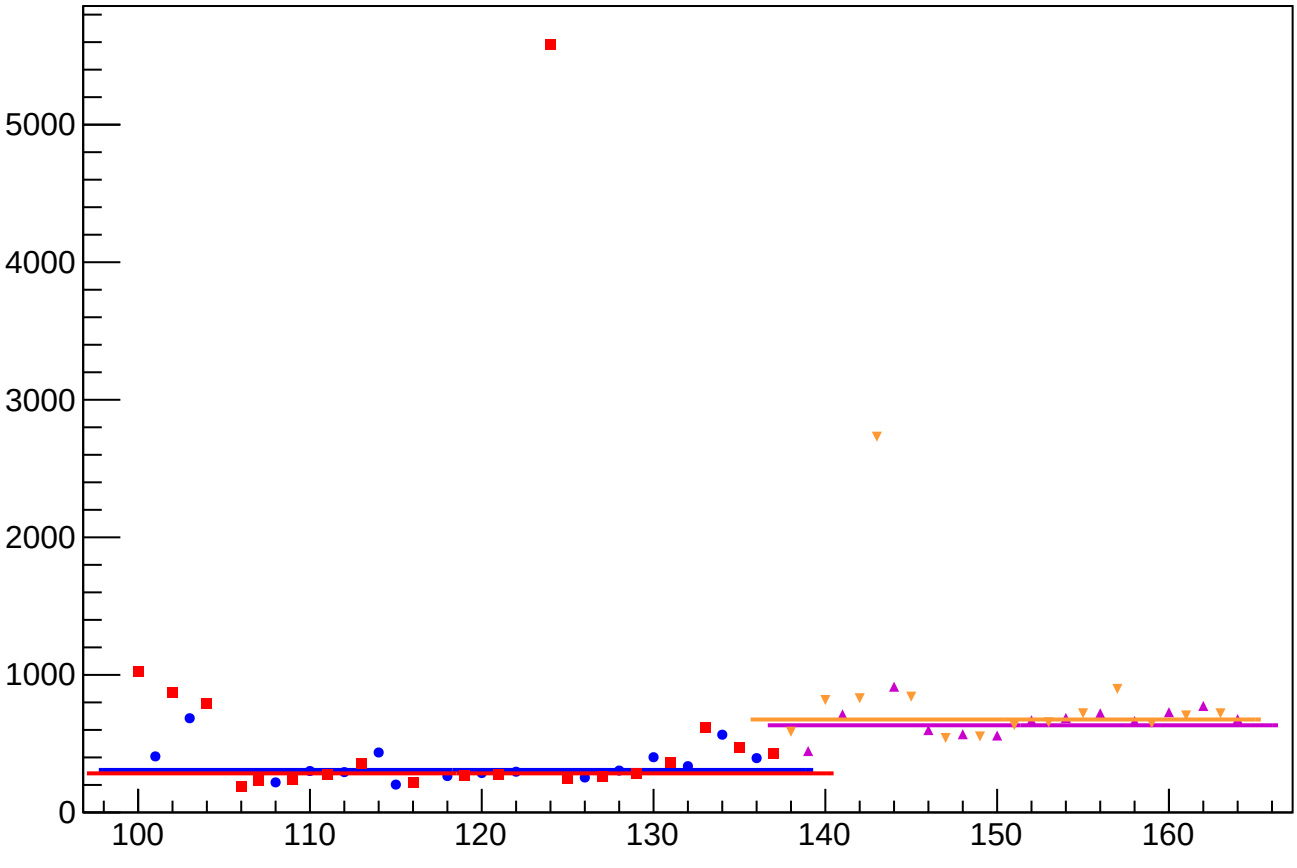
Left: -0.017+/-0.144 χ^2/NDF: 39.8/26

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.051+/-0.104 χ^2/NDF:30.7/28

Out: 0.083+/-0.102 χ^2/NDF:45.9/32

All: 0.017+/-0.073 χ^2/NDF: 77.4/61



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 675.858+/-0.149 χ^2/NDF:1409654.1/13

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 633.695+/-0.139 χ^2/NDF:650064.0/12

Left: 653.338+/-0.102 χ^2/NDF: 2102630.2/26

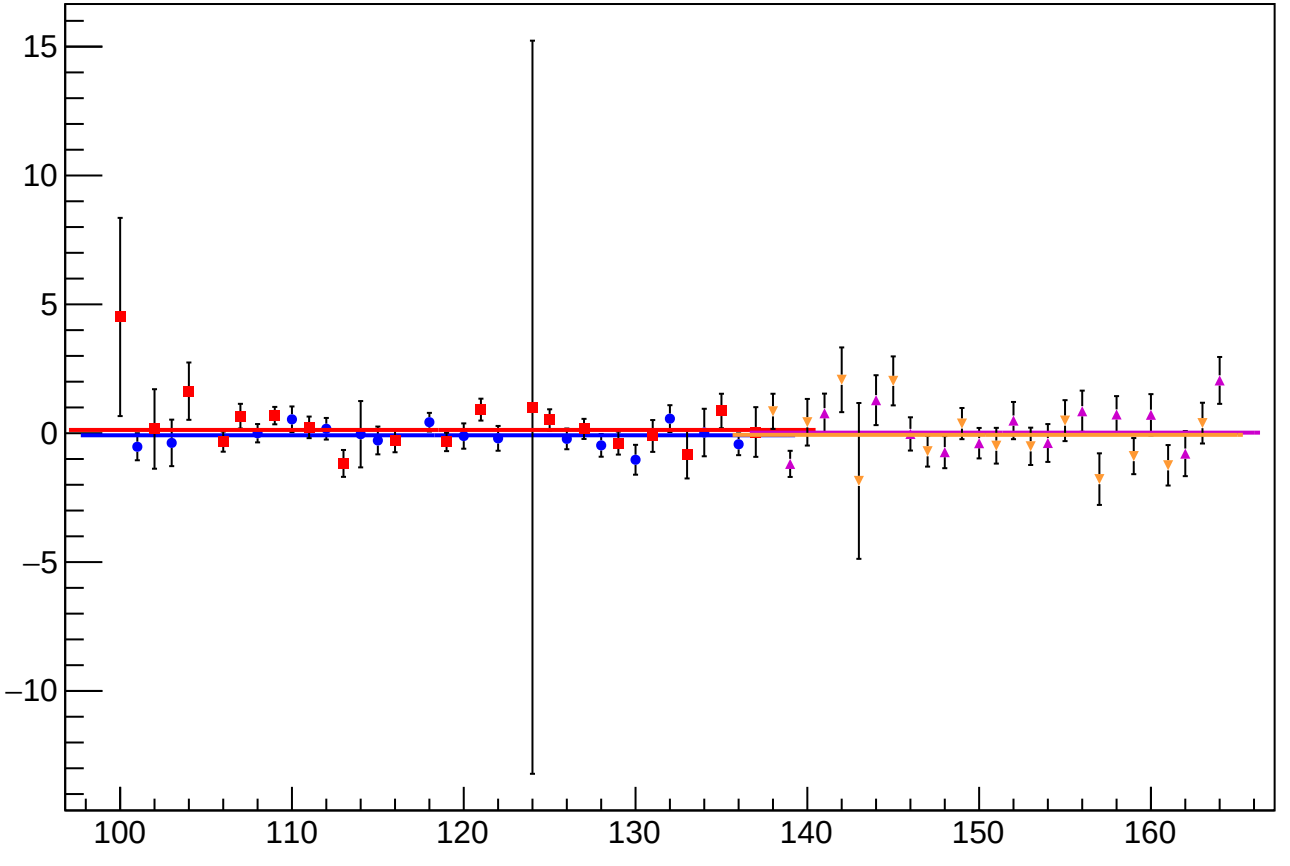
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 399.283+/-0.073 χ^2/NDF:5607194.2/28

Out: 376.612+/-0.072 χ^2/NDF:8563056.6/32

All: 387.796+/-0.051 χ^2/NDF: 14218813.8/61

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: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: 0.023+/-0.196 χ^2/NDF:19.7/12

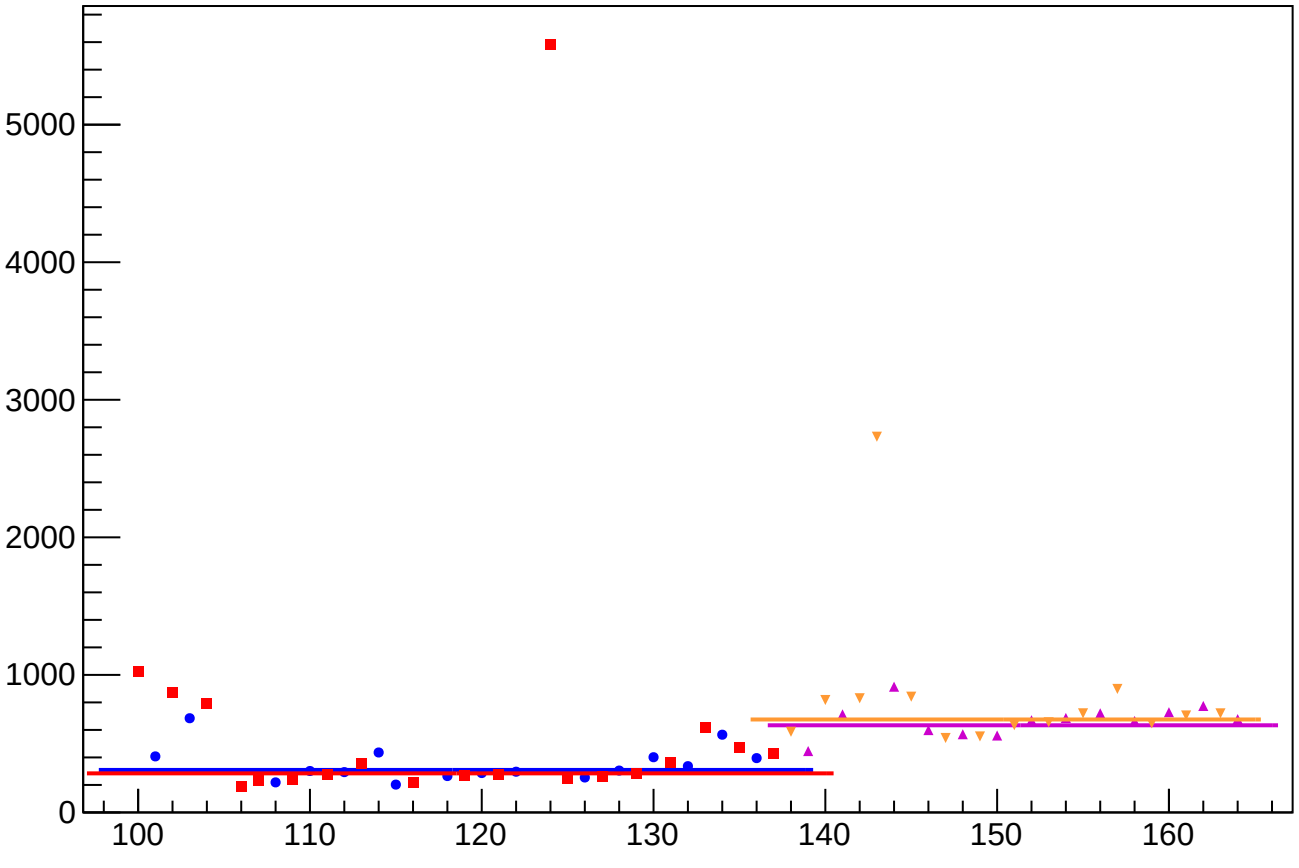
Left: -0.017+/-0.144 χ^2/NDF: 39.8/26

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.051+/-0.104 χ^2/NDF:30.7/28

Out: 0.083+/-0.102 χ^2/NDF:45.9/32

All: 0.017+/-0.073 χ^2/NDF: 77.4/61



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 675.858+/-0.149 χ^2/NDF:1409654.1/13

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 633.695+/-0.139 χ^2/NDF:650064.0/12

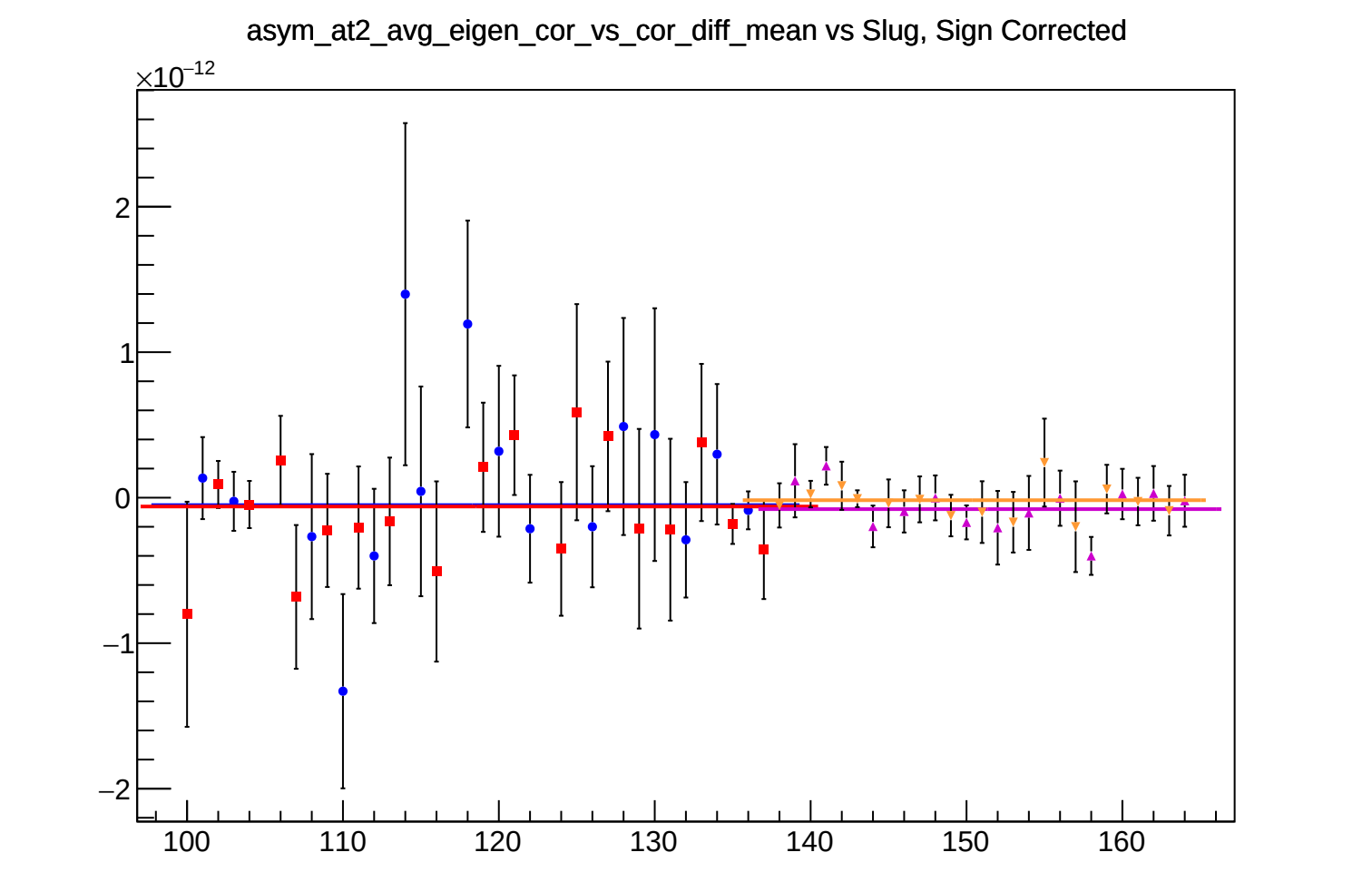
Left: 653.338+/-0.102 χ^2/NDF: 2102630.2/26

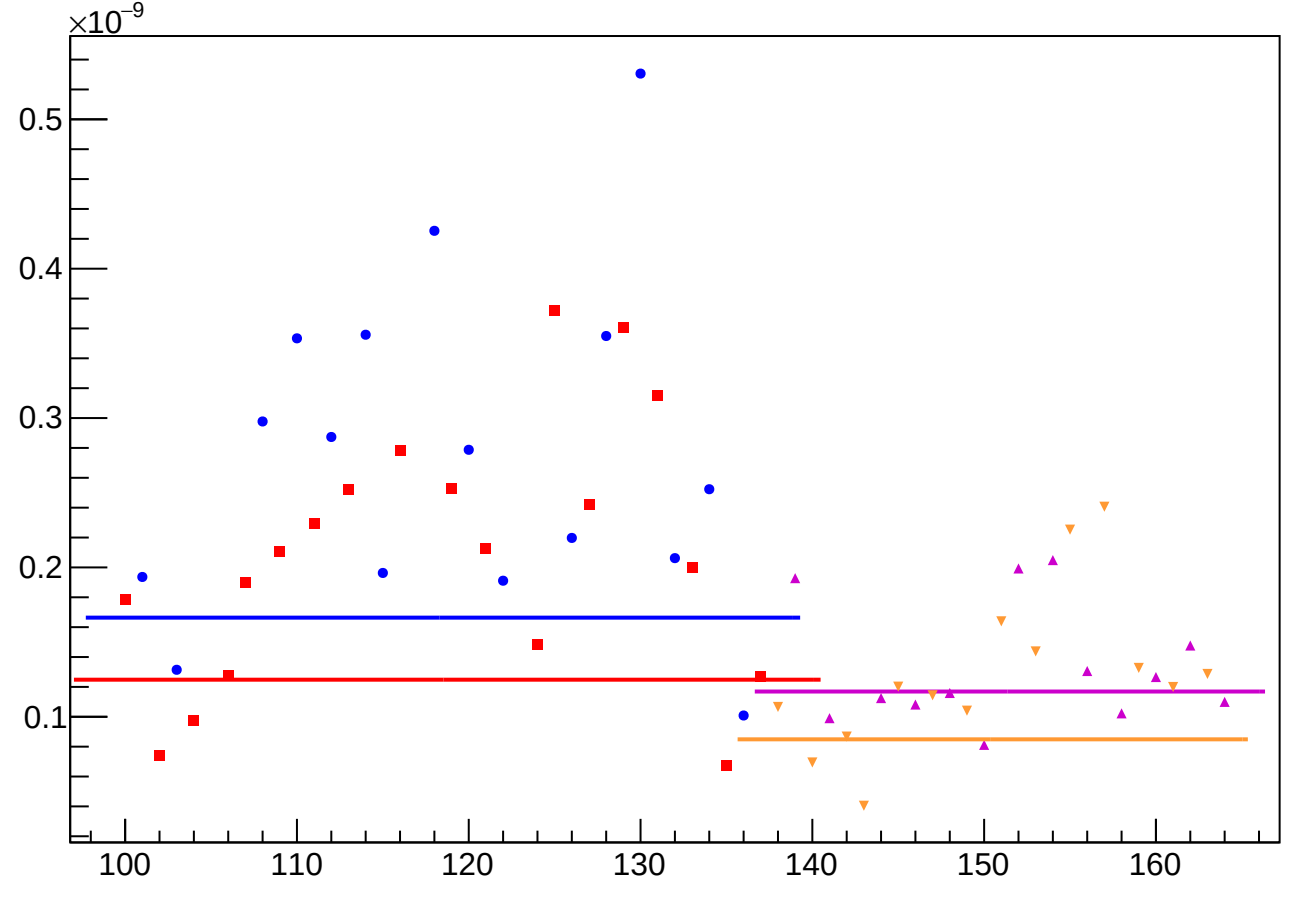
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 399.283+/-0.073 χ^2/NDF:5607194.2/28

Out: 376.612+/-0.072 χ^2/NDF:8563056.6/32

All: 387.796+/-0.051 χ^2/NDF: 14218813.8/61


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
160
Right In: -0.000+/-0.000 χ²/NDF: 12.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3.4/13
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: -0.000+/-0.000 χ²/NDF:14.7/12
Left: -0.000+/-0.000 χ²/NDF: 19.3/26
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:26.8/28
Out: -0.000+/-0.000 χ²/NDF:15.1/32
All: -0.000+/-0.000 χ²/NDF: 42.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3242840.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:966173.0/12

Left: 0.000+/-0.000 χ^2/NDF: 4838163.4/26

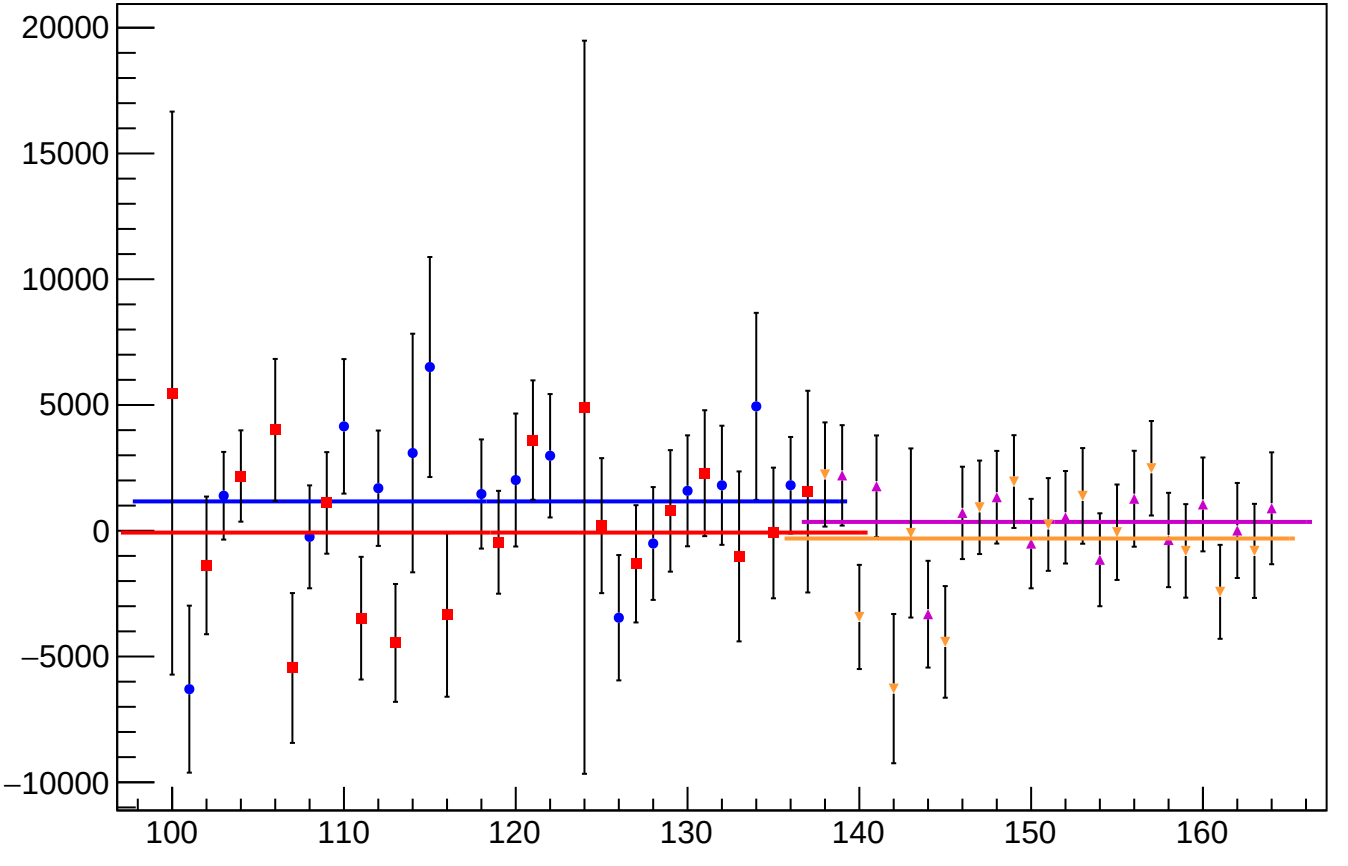
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:3485674.3/28

Out: 0.000+/-0.000 χ^2/NDF:5970745.3/32

All: 0.000+/-0.000 χ^2/NDF: 10400819.2/61

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -308.208+/-538.506 χ^2/NDF:17.8/13

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 351.145+/-531.255 χ^2/NDF:6.2/12

Left: 25.938+/-378.192 χ^2/NDF: 24.7/26

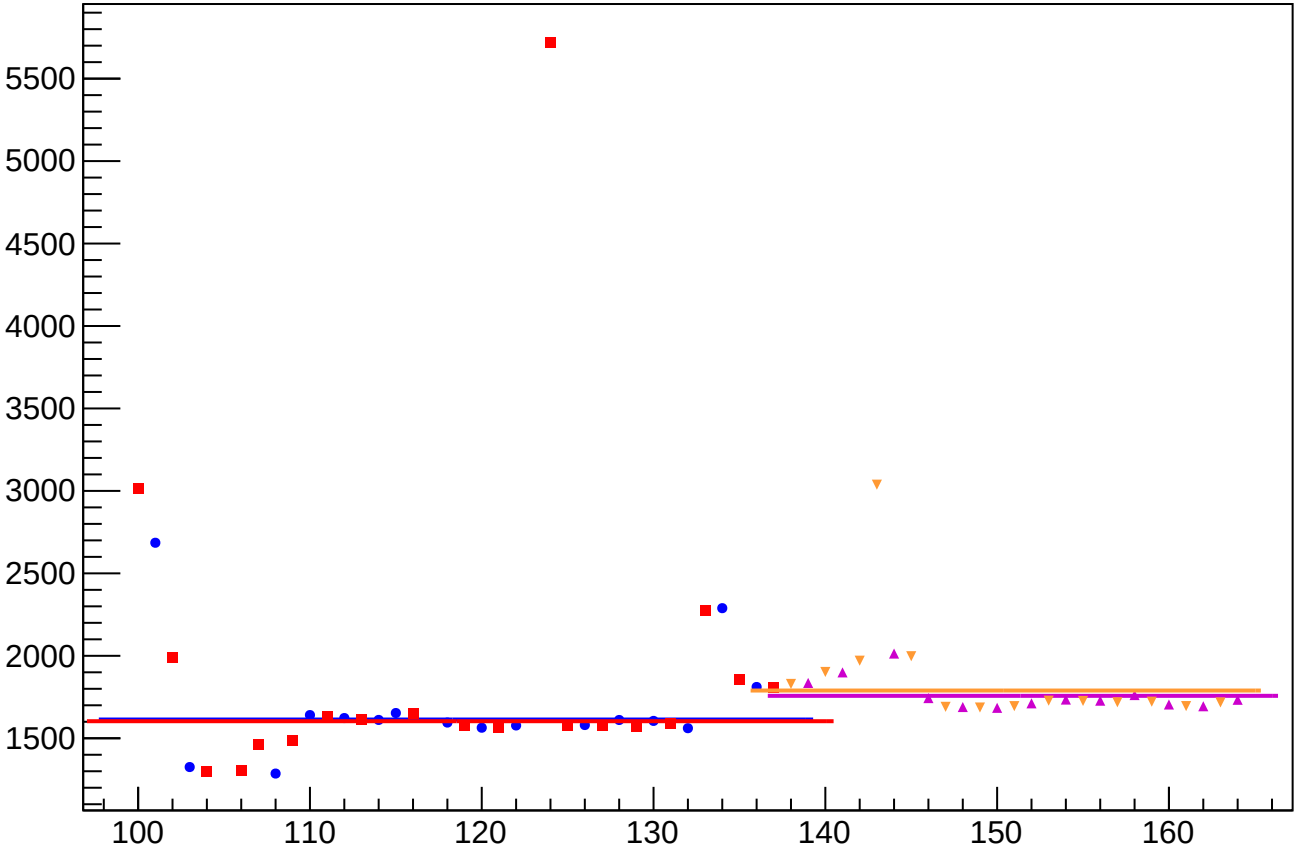
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 703.530+/-400.386 χ^2/NDF:21.6/28

Out: -203.557+/-401.761 χ^2/NDF:36.1/32

All: 251.542+/-283.601 χ^2/NDF: 60.3/61

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1789.468+/-0.381 χ^2/NDF:342416.9/13

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1757.356+/-0.376 χ^2/NDF:54399.0/12

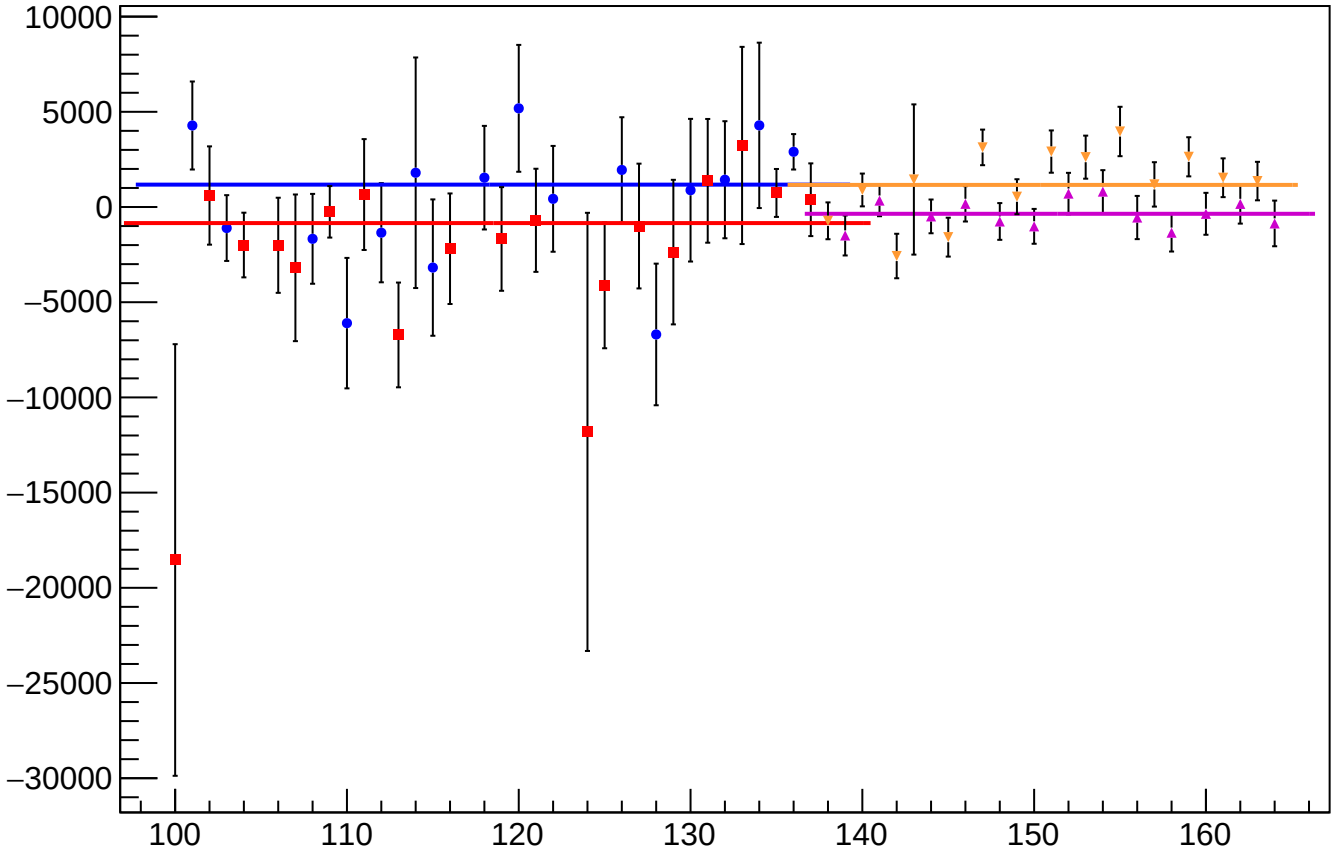
Left: 1773.195+/-0.267 χ^2/NDF: 400420.1/26

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1695.286+/-0.283 χ^2/NDF:522286.7/28

Out: 1706.997+/-0.284 χ^2/NDF:874007.9/32

All: 1701.121+/-0.201 χ^2/NDF: 1397147.1/61



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 1161.007+/-284.936 χ^2/NDF:37.3/13

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -356.406+/-277.676 χ^2/NDF:6.4/12

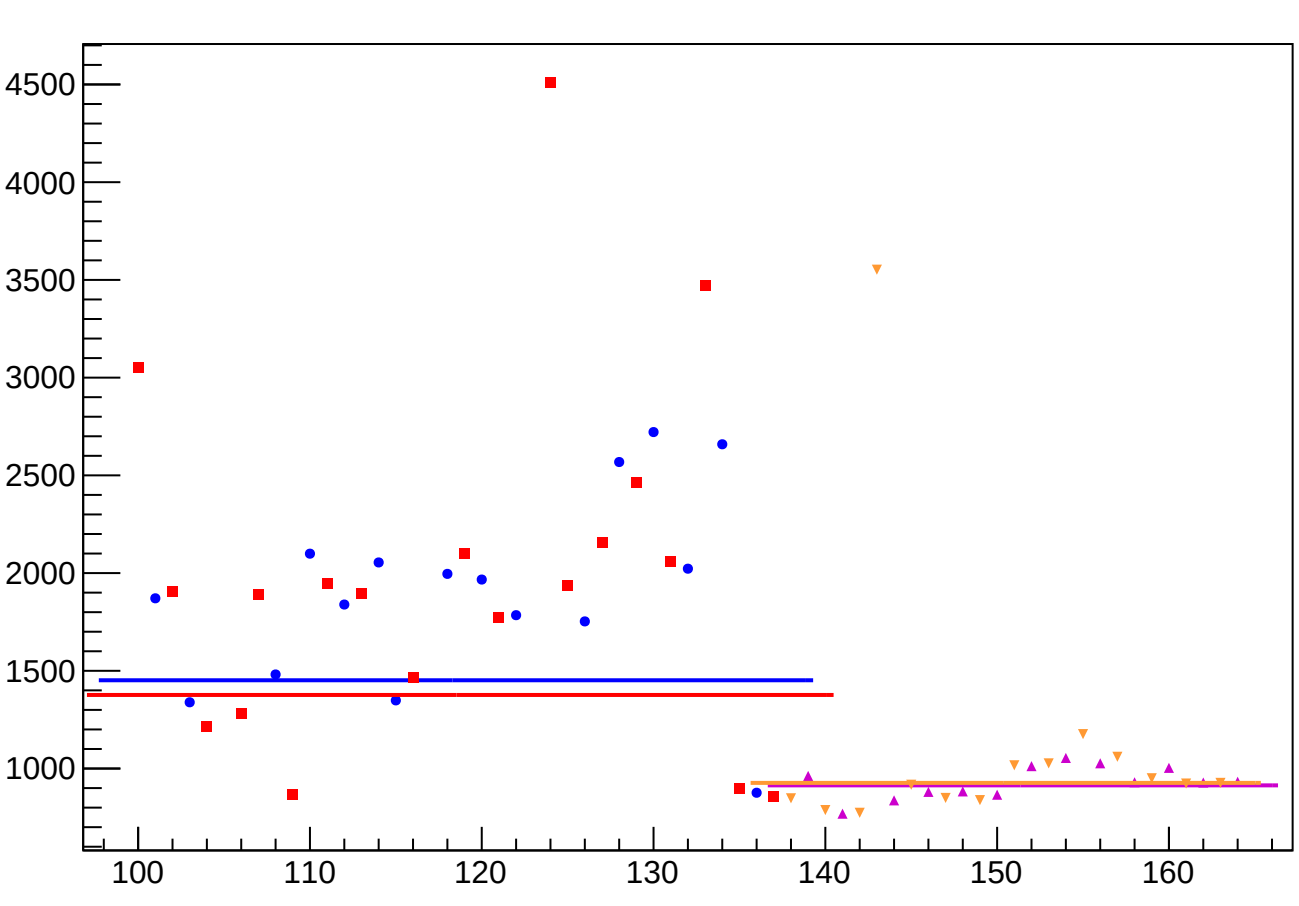
Left: 382.724+/-198.864 χ^2/NDF: 58.3/26

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -70.010+/-250.378 χ^2/NDF:34.1/28

Out: 745.695+/-253.713 χ^2/NDF:61.8/32

All: 332.446+/-178.211 χ^2/NDF: 101.1/61



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 926.598+/-0.201 χ^2/NDF:1147845.2/13

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 913.918+/-0.196 χ^2/NDF:173461.0/12

Left: 920.094+/-0.141 χ^2/NDF: 1323337.7/26

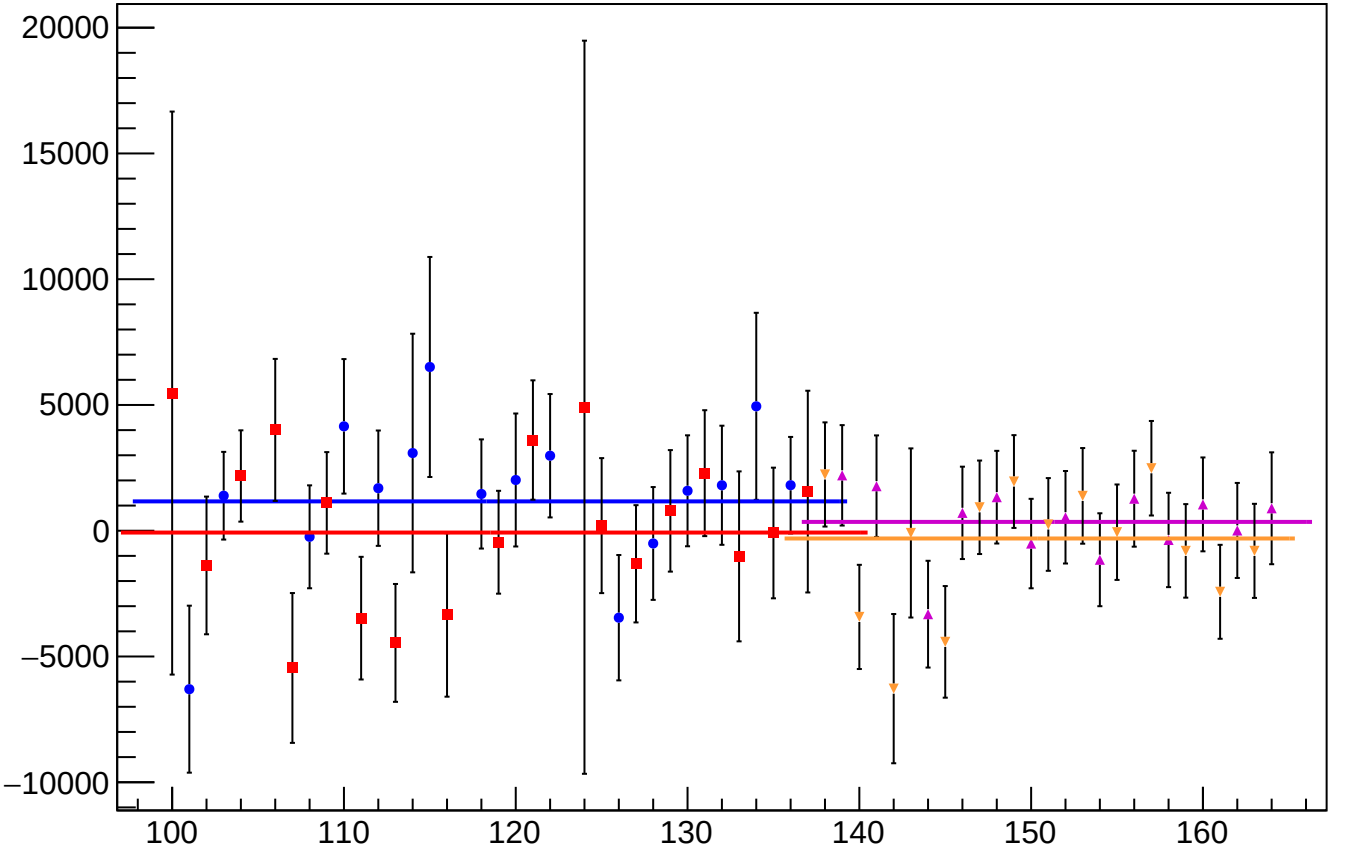
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1014.447+/-0.177 χ^2/NDF:3366453.3/28

Out: 1019.790+/-0.179 χ^2/NDF:4312668.7/32

All: 1017.083+/-0.126 χ^2/NDF: 7679571.3/61

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -308.400+/-538.506 χ^2/NDF:17.8/13

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 351.073+/-531.255 χ^2/NDF:6.2/12

Left: 25.807+/-378.192 χ^2/NDF: 24.7/26

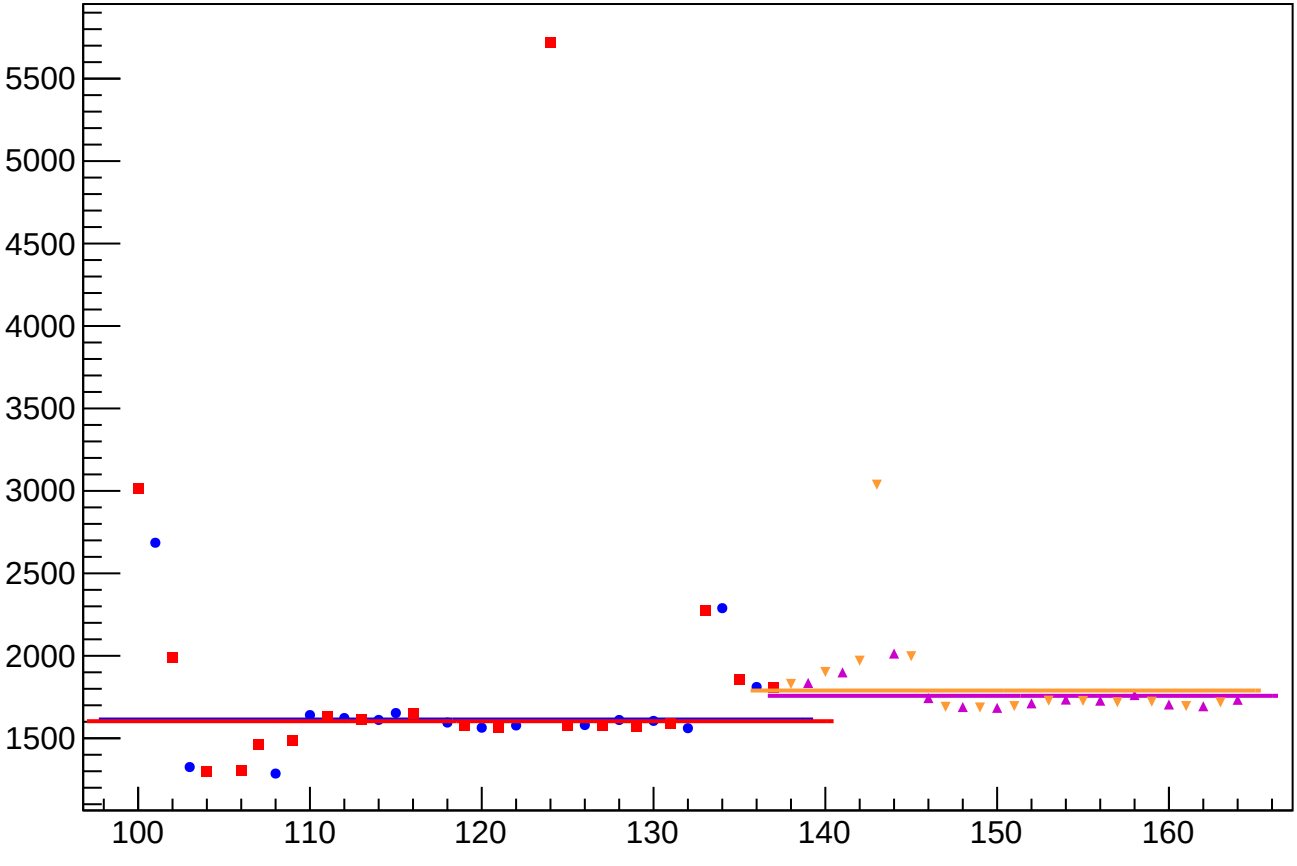
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 703.450+/-400.386 χ^2/NDF:21.6/28

Out: -203.805+/-401.761 χ^2/NDF:36.1/32

All: 251.378+/-283.601 χ^2/NDF: 60.3/61

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1789.468+/-0.381 χ^2/NDF:342416.9/13

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1757.356+/-0.376 χ^2/NDF:54399.0/12

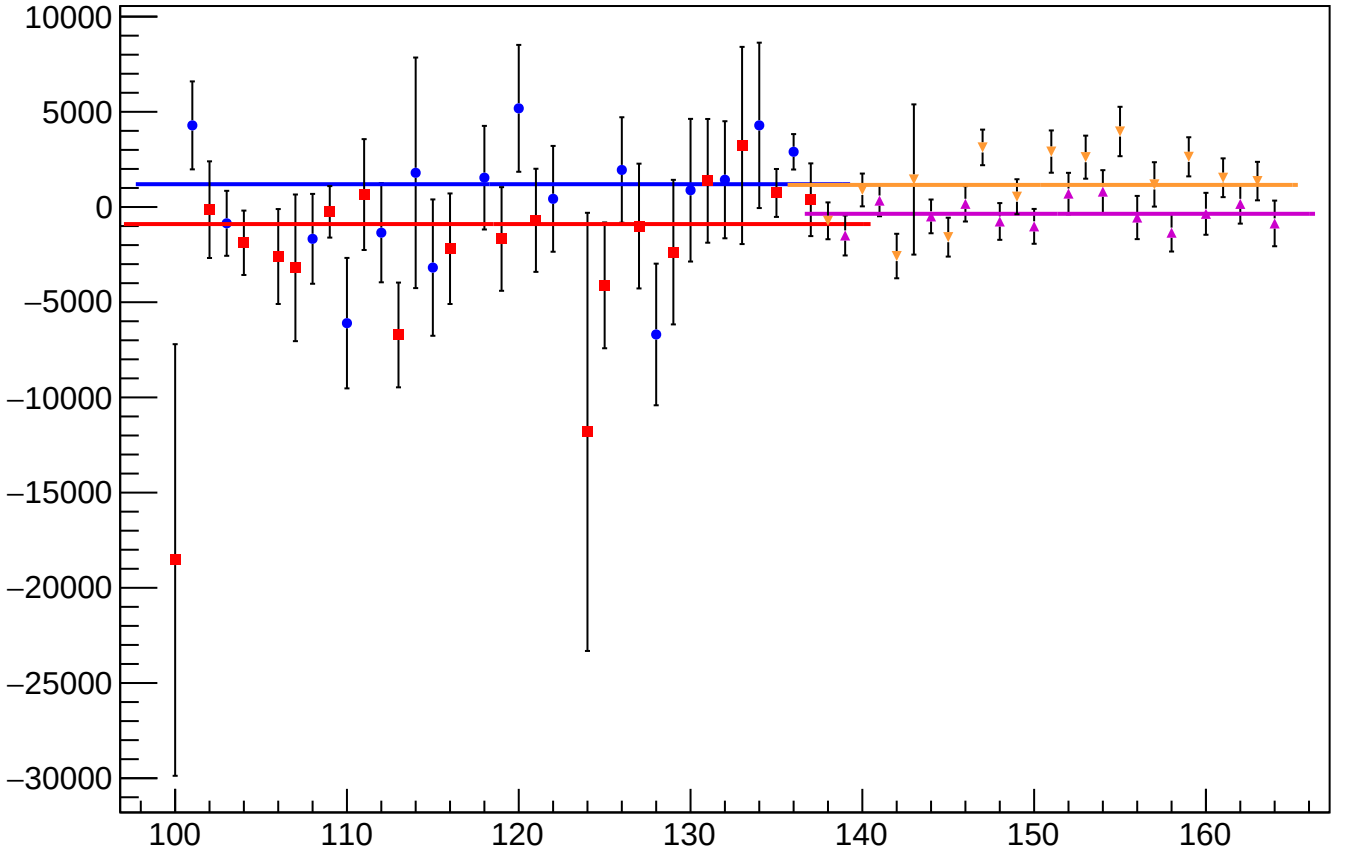
Left: 1773.195+/-0.267 χ^2/NDF: 400420.1/26

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1695.286+/-0.283 χ^2/NDF:522287.1/28

Out: 1706.997+/-0.284 χ^2/NDF:874008.1/32

All: 1701.121+/-0.201 χ^2/NDF: 1397147.7/61



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1160.960+/-284.939 χ^2/NDF:37.3/13

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -356.350+/-277.676 χ^2/NDF:6.4/12

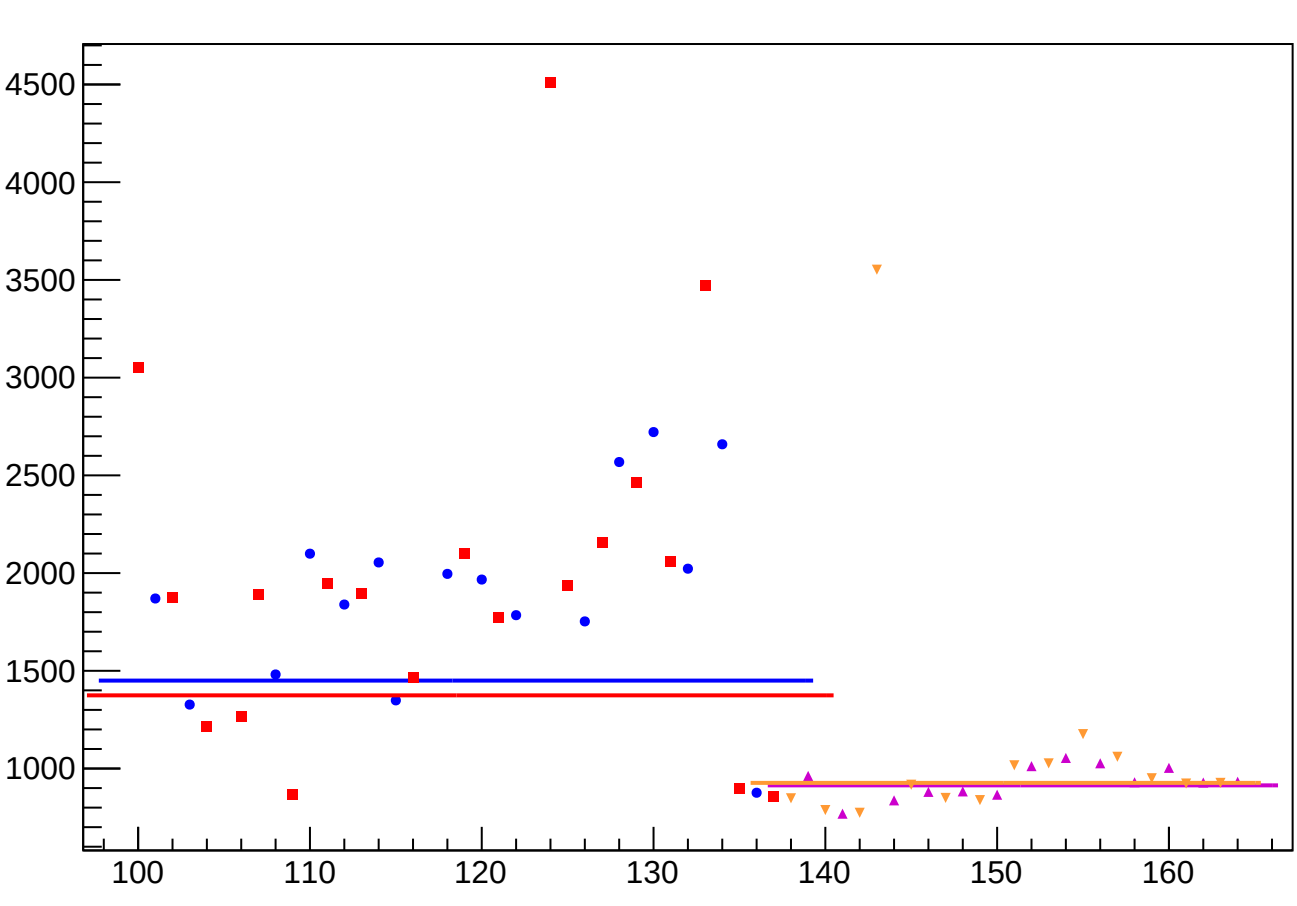
Left: 382.721+/-198.865 χ^2/NDF: 58.2/26

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -65.019+/-250.311 χ^2/NDF:34.0/28

Out: 734.023+/-253.642 χ^2/NDF:62.3/32

All: 329.221+/-178.162 χ^2/NDF: 101.3/61



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 926.609+/-0.201 χ^2/NDF:1147758.2/13

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 913.916+/-0.196 χ^2/NDF:173499.4/12

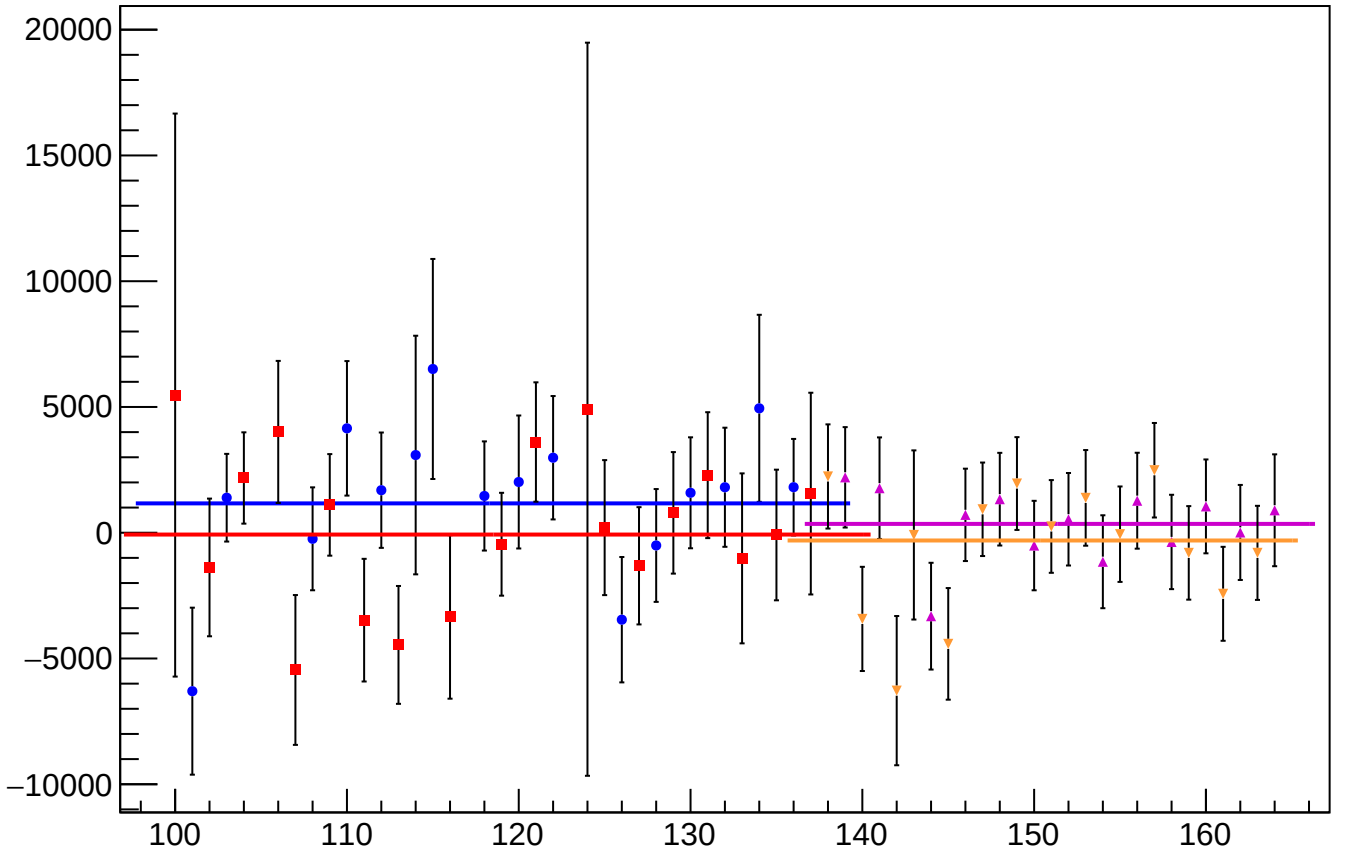
Left: 920.099+/-0.141 χ^2/NDF: 1323293.2/26

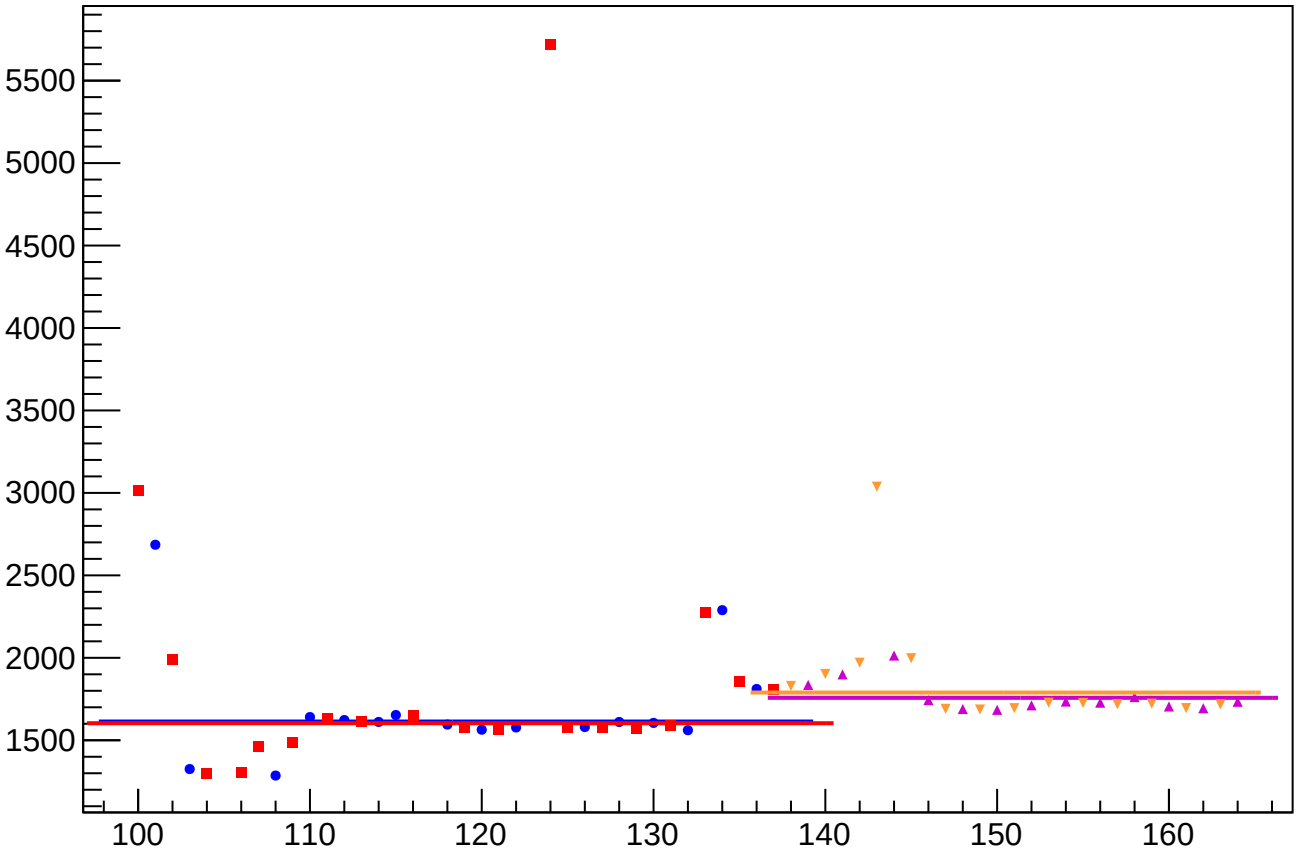
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1014.360+/-0.177 χ^2/NDF:3362740.8/28

Out: 1019.584+/-0.179 χ^2/NDF:4301109.3/32

All: 1016.937+/-0.126 χ^2/NDF: 7664279.8/61


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -308.400+/-538.506 χ²/NDF:17.8/13
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 351.073+/-531.255 χ²/NDF:6.2/12
Left: 25.807+/-378.192 χ²/NDF: 24.7/26
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 703.450+/-400.386 χ²/NDF:21.6/28
Out: -203.805+/-401.761 χ²/NDF:36.1/32
All: 251.378+/-283.601 χ²/NDF: 60.3/61



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1789.468+/-0.381 χ^2/NDF:342416.9/13

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1757.356+/-0.376 χ^2/NDF:54399.0/12

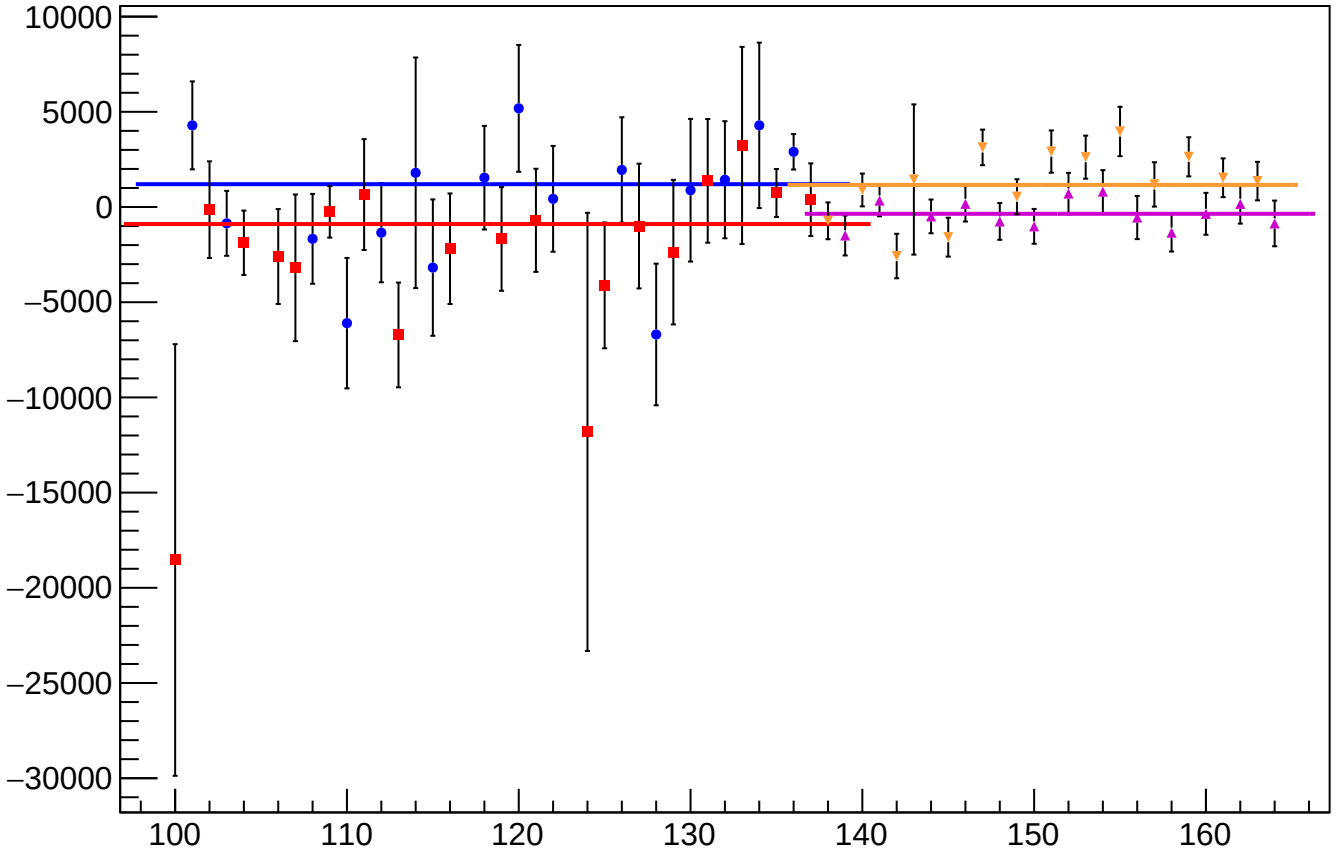
Left: 1773.195+/-0.267 χ^2/NDF: 400420.1/26

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1695.286+/-0.283 χ^2/NDF:522287.1/28

Out: 1706.997+/-0.284 χ^2/NDF:874008.1/32

All: 1701.121+/-0.201 χ^2/NDF: 1397147.7/61



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1160.960+/-284.939 χ^2/NDF:37.3/13

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -356.350+/-277.676 χ^2/NDF:6.4/12

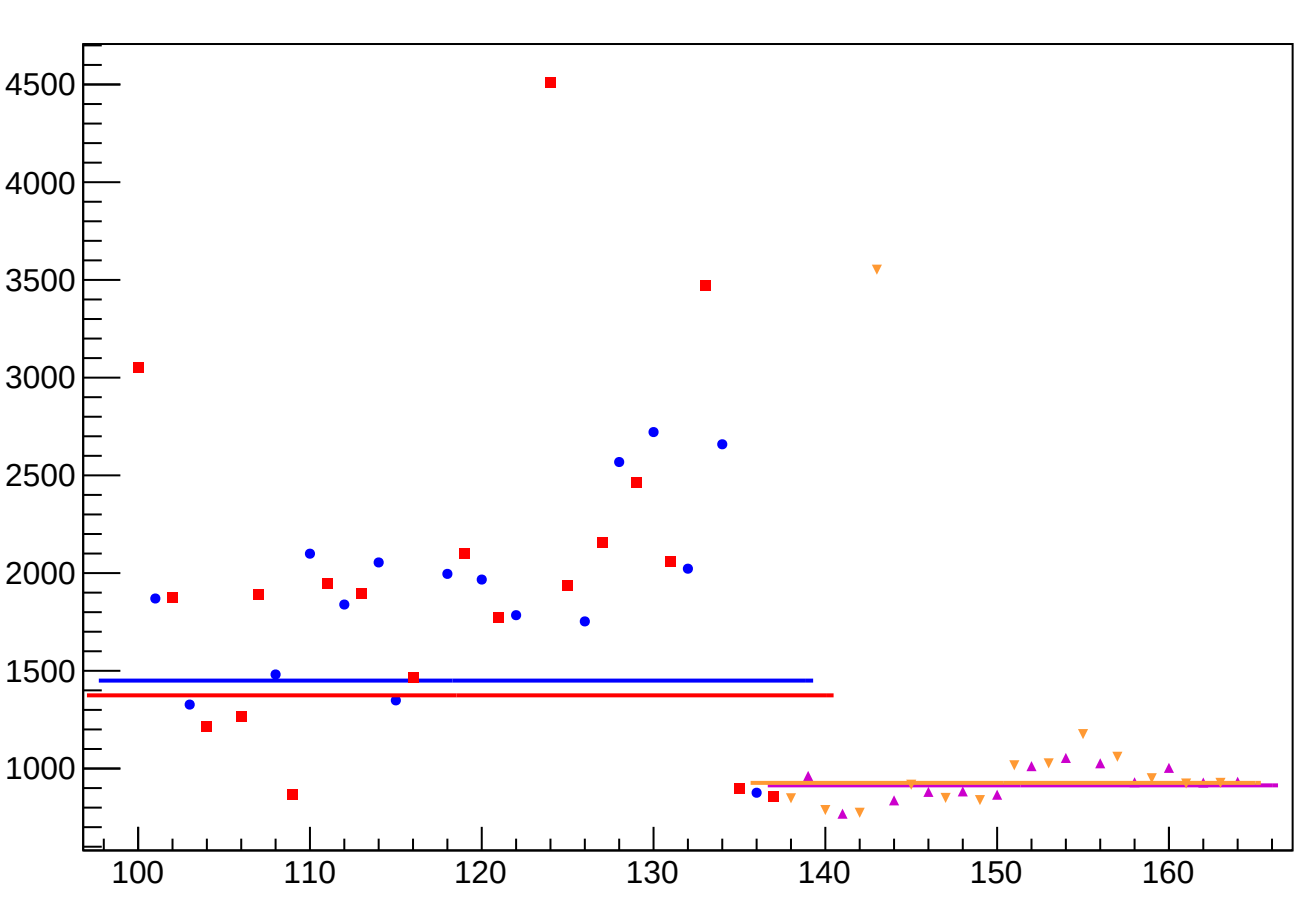
Left: 382.721+/-198.865 χ^2/NDF: 58.2/26

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -65.019+/-250.311 χ^2/NDF:34.0/28

Out: 734.023+/-253.642 χ^2/NDF:62.3/32

All: 329.221+/-178.162 χ^2/NDF: 101.3/61



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 926.609+/-0.201 χ^2/NDF:1147758.2/13

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 913.916+/-0.196 χ^2/NDF:173499.4/12

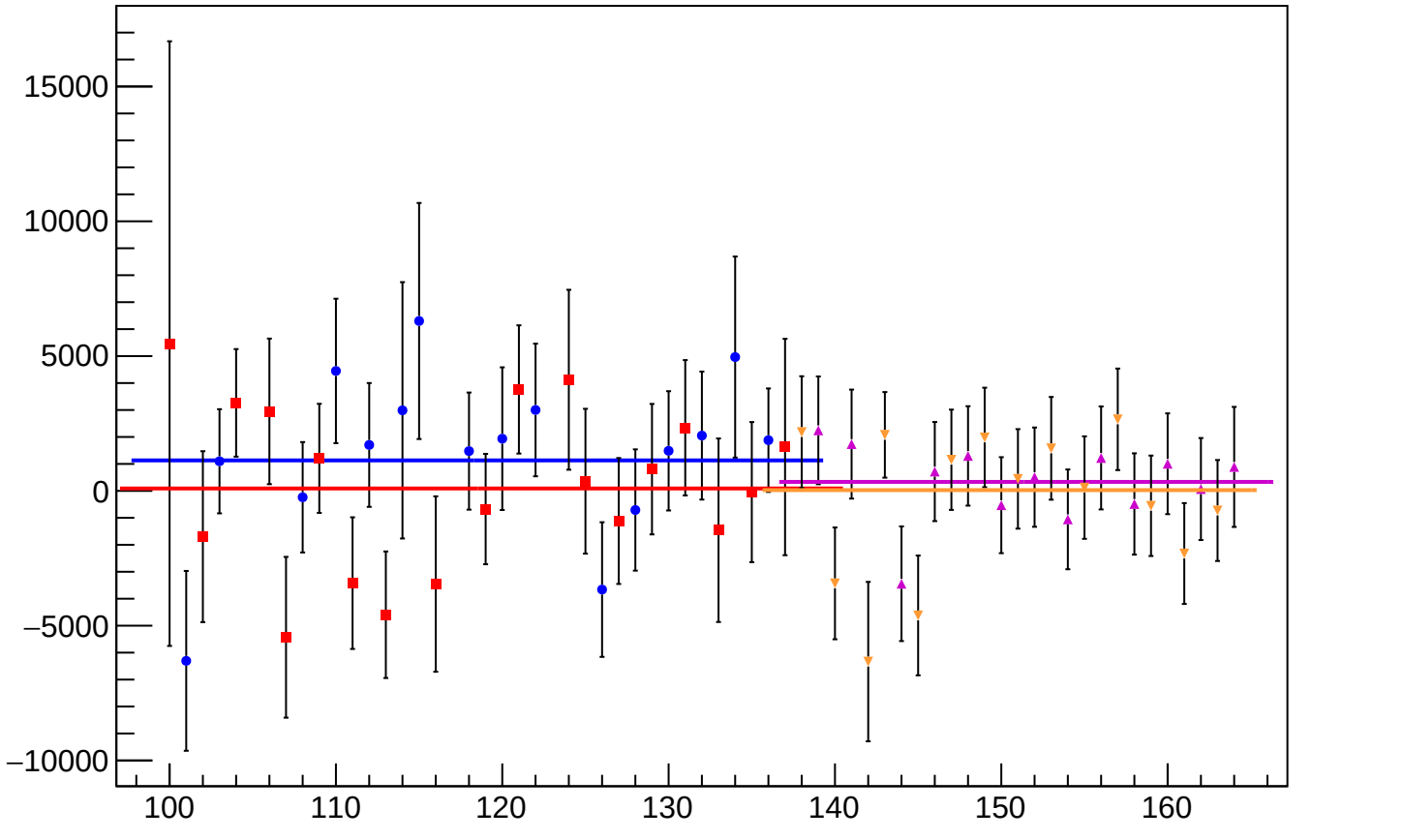
Left: 920.099+/-0.141 χ^2/NDF: 1323293.2/26

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1014.360+/-0.177 χ^2/NDF:3362740.8/28

Out: 1019.584+/-0.179 χ^2/NDF:4301109.3/32

All: 1016.937+/-0.126 χ^2/NDF: 7664279.8/61



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 28.203+/-516.503 χ^2/NDF:20.5/13

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 333.062+/-531.966 χ^2/NDF:6.3/12

Left: 176.138+/-370.569 χ^2/NDF: 27.0/26

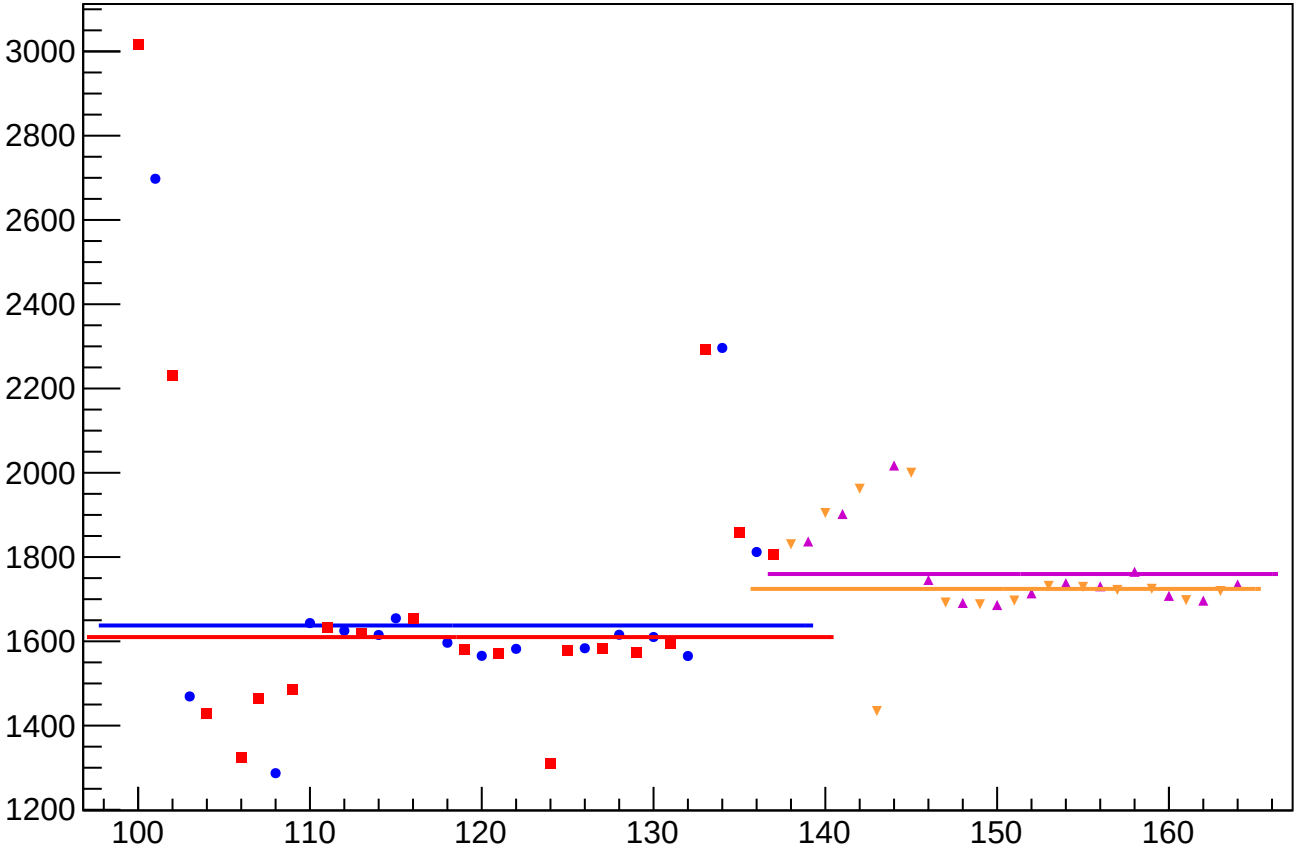
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 673.032+/-402.959 χ^2/NDF:22.2/28

Out: 54.022+/-392.292 χ^2/NDF:41.2/32

All: 355.225+/-281.088 χ^2/NDF: 64.7/61

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1724.411+/-0.365 χ^2/NDF:132941.6/13

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1759.694+/-0.376 χ^2/NDF:54565.6/12

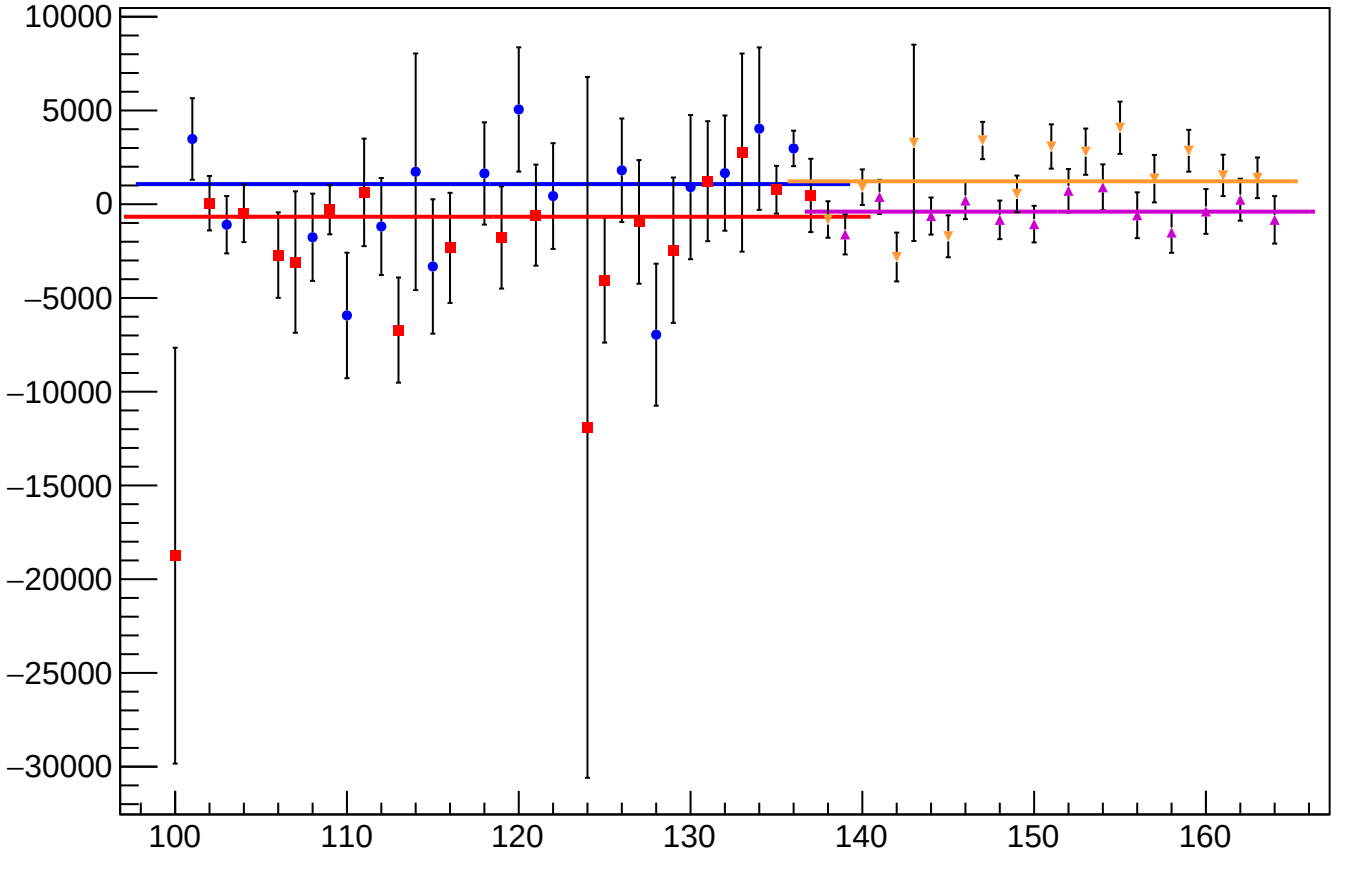
Left: 1741.532+/-0.262 χ^2/NDF: 192036.1/26

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.646+/-0.285 χ^2/NDF:460904.6/28

Out: 1676.018+/-0.277 χ^2/NDF:455246.9/32

All: 1691.407+/-0.199 χ^2/NDF: 922477.3/61



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1222.677+/-306.648 χ^2/NDF:37.0/13

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -394.831+/-299.191 χ^2/NDF:6.7/12

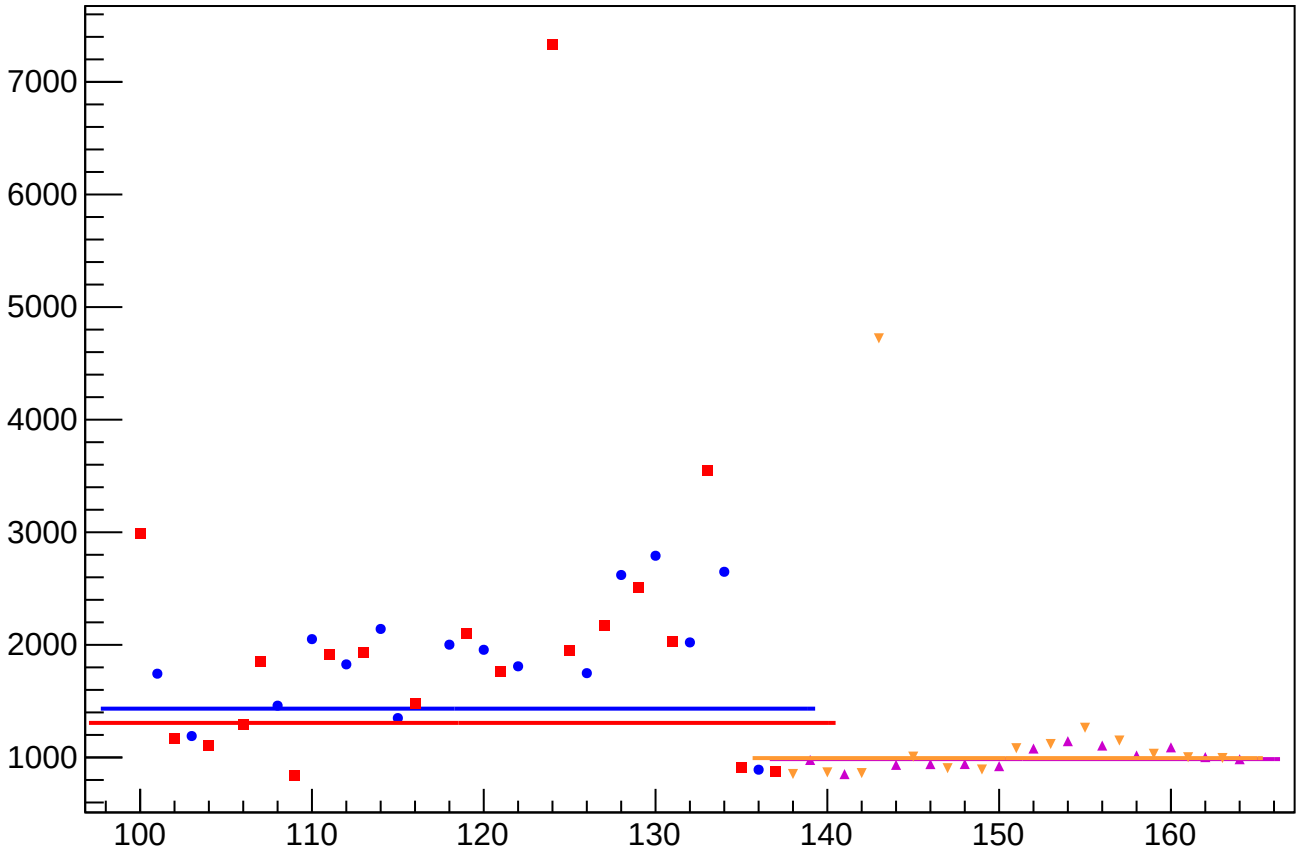
Left: 394.015+/-214.148 χ^2/NDF: 57.9/26

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -79.044+/-265.075 χ^2/NDF:33.9/28

Out: 739.699+/-264.593 χ^2/NDF:60.2/32

All: 331.073+/-187.266 χ^2/NDF: 98.9/61



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 994.241+/-0.217 χ^2/NDF:1290565.3/13

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 985.339+/-0.212 χ^2/NDF:148288.8/12

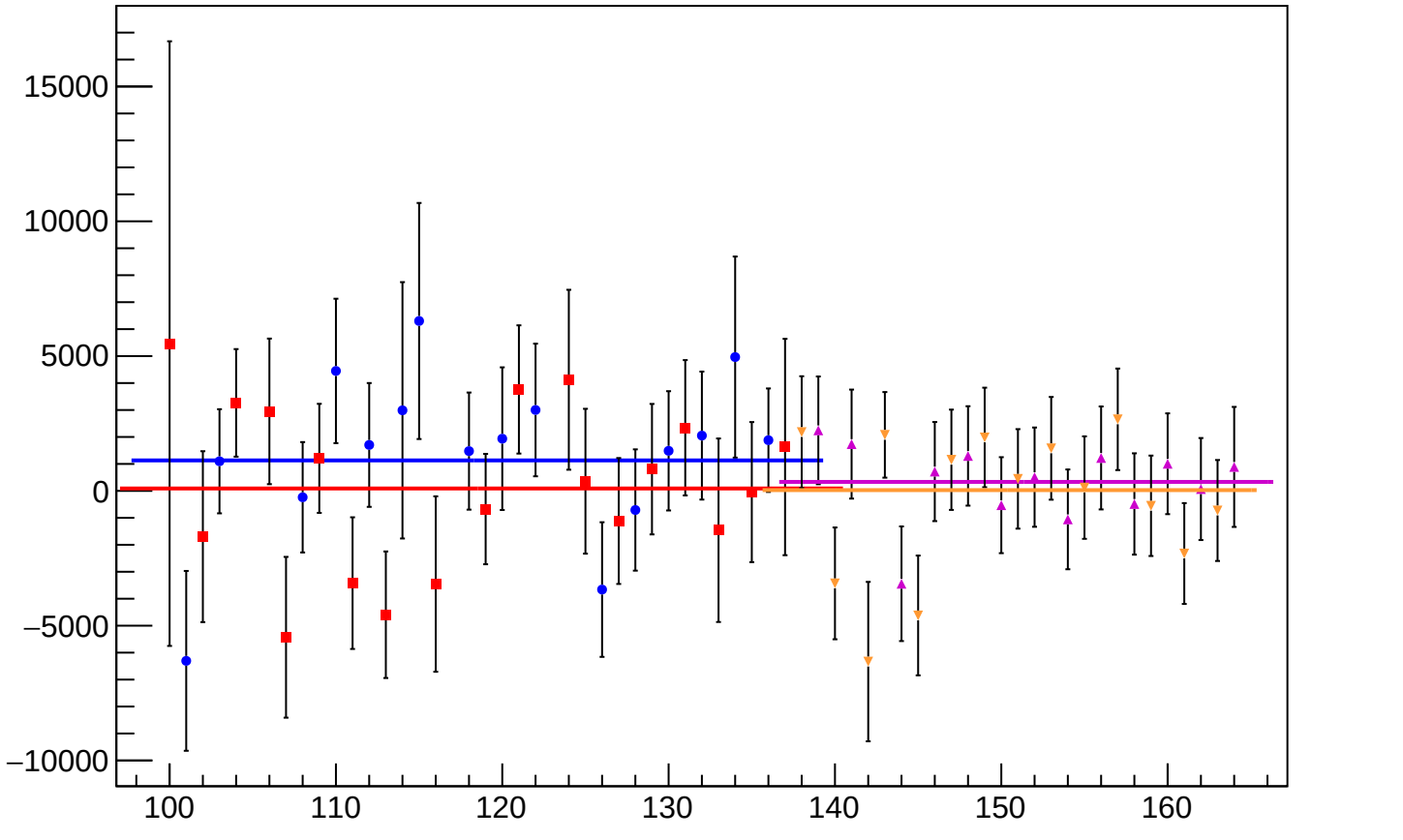
Left: 989.681+/-0.151 χ^2/NDF: 1439717.6/26

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1081.711+/-0.187 χ^2/NDF:2876712.7/28

Out: 1074.112+/-0.187 χ^2/NDF:4005548.4/32

All: 1077.905+/-0.132 χ^2/NDF: 6883084.6/61



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 28.194+/-516.504 χ^2/NDF:20.5/13

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 333.063+/-531.966 χ^2/NDF:6.3/12

Left: 176.133+/-370.569 χ^2/NDF: 27.0/26

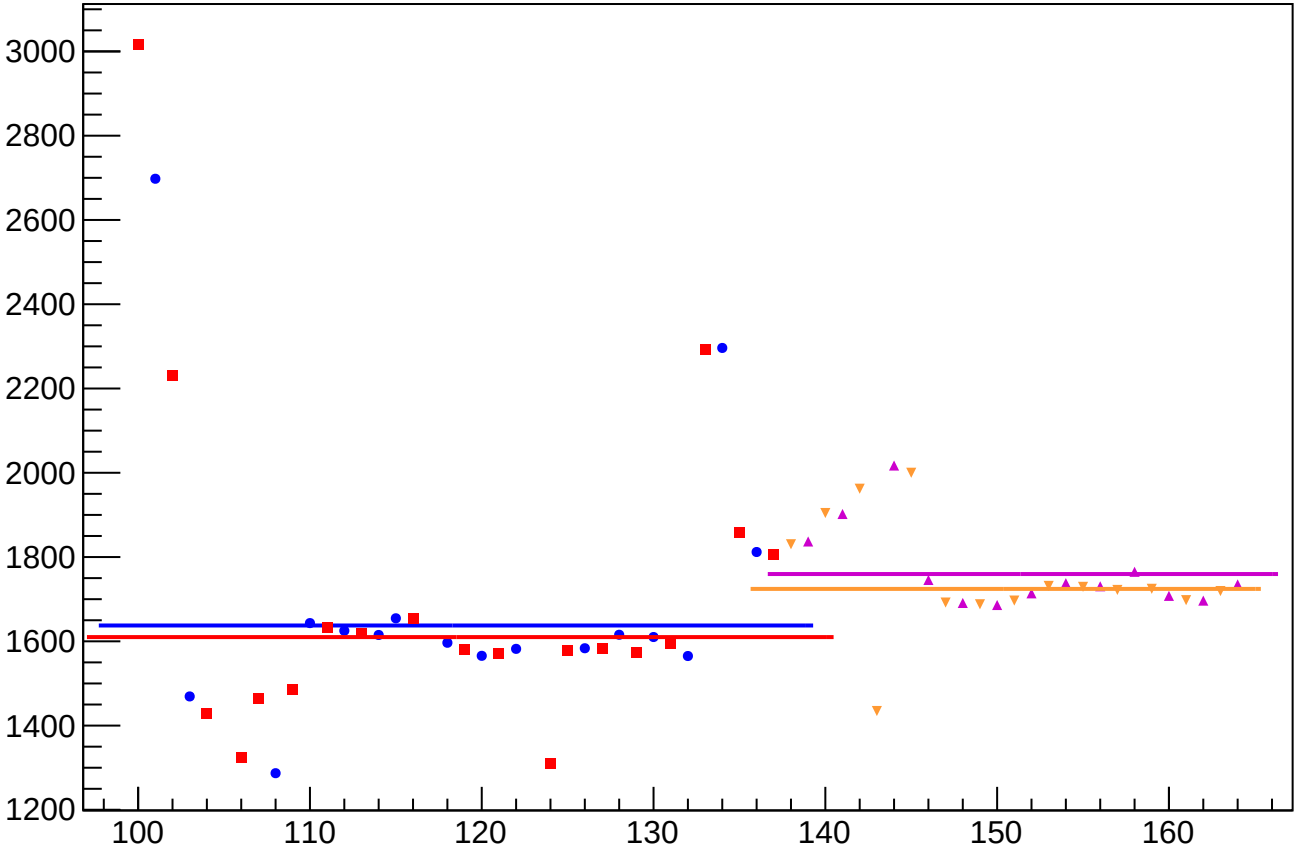
Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 673.033+/-402.959 χ^2/NDF:22.2/28

Out: 54.019+/-392.292 χ^2/NDF:41.2/32

All: 355.224+/-281.088 χ^2/NDF: 64.7/61

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1724.411+/-0.365 χ^2/NDF:132940.5/13

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1759.694+/-0.376 χ^2/NDF:54565.7/12

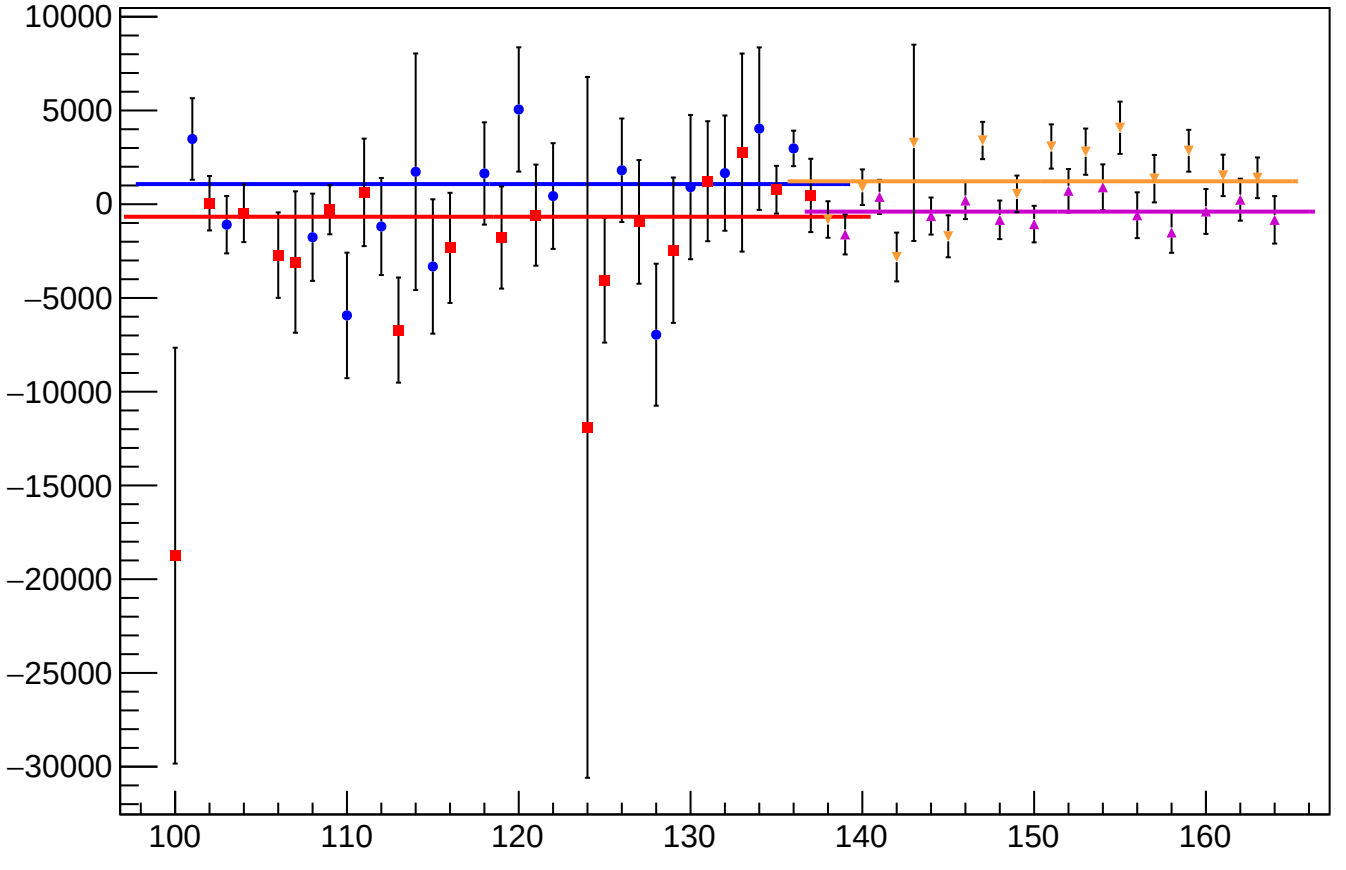
Left: 1741.532+/-0.262 χ^2/NDF: 192035.0/26

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.646+/-0.285 χ^2/NDF:460904.6/28

Out: 1676.018+/-0.277 χ^2/NDF:455246.3/32

All: 1691.407+/-0.199 χ^2/NDF: 922476.6/61



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1222.688+/-306.649 χ^2/NDF:37.0/13

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -394.828+/-299.191 χ^2/NDF:6.7/12

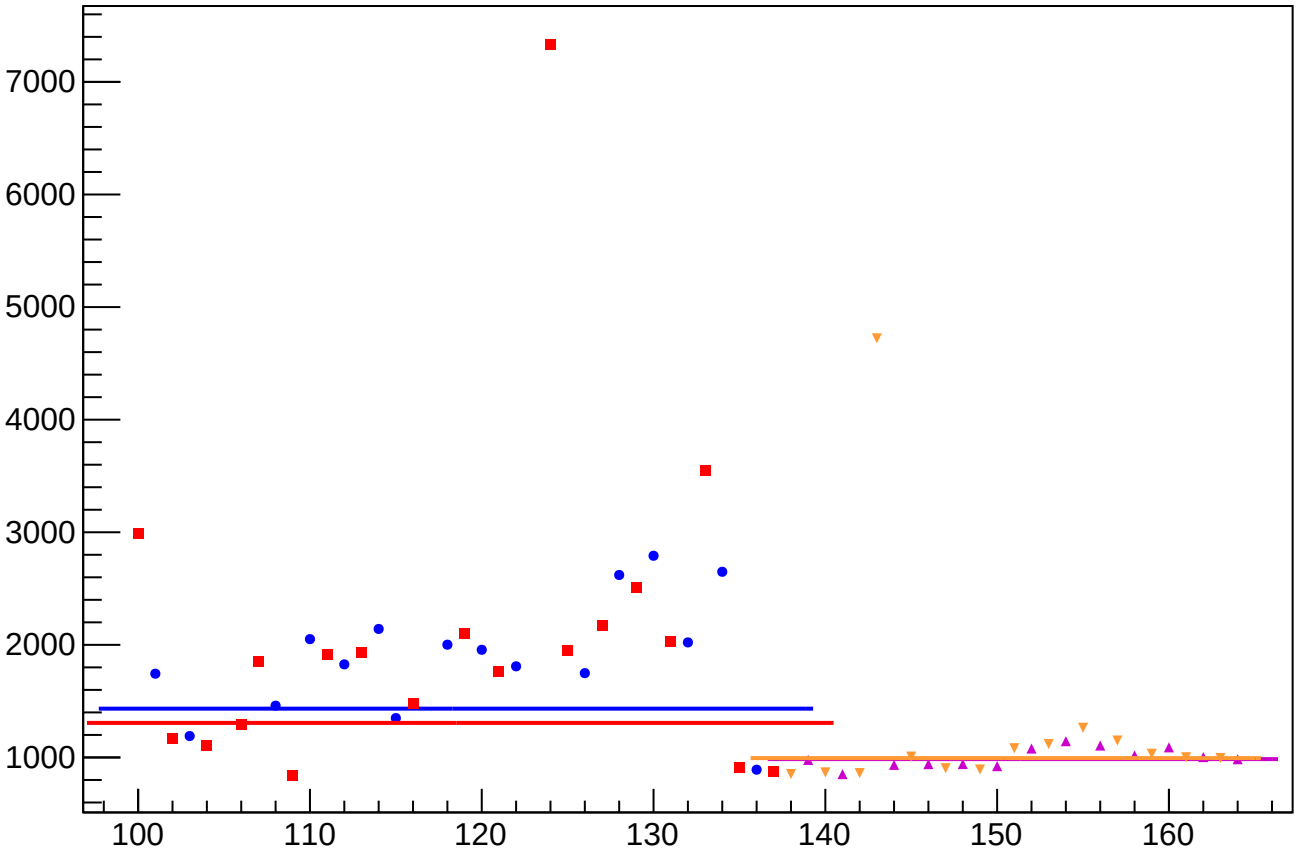
Left: 394.020+/-214.148 χ^2/NDF: 57.9/26

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: -79.048+/-265.076 χ^2/NDF:33.9/28

Out: 739.708+/-264.594 χ^2/NDF:60.2/32

All: 331.075+/-187.266 χ^2/NDF: 98.9/61



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 994.244+/-0.217 χ^2/NDF:1290544.1/13

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 985.340+/-0.212 χ^2/NDF:148290.0/12

Left: 989.682+/-0.151 χ^2/NDF: 1439698.1/26

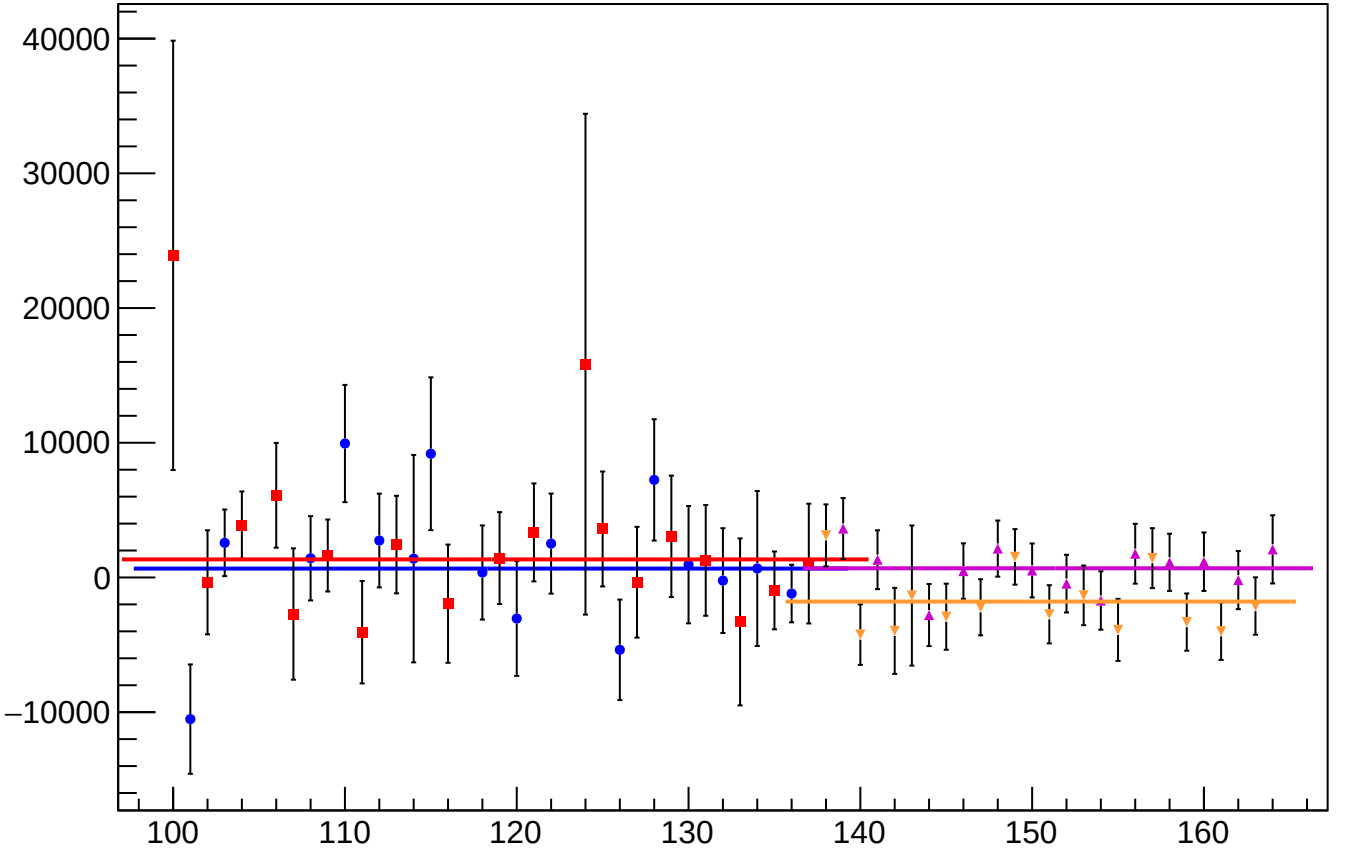
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 1081.714+/-0.187 χ^2/NDF:2876673.6/28

Out: 1074.116+/-0.187 χ^2/NDF:4005485.2/32

All: 1077.908+/-0.132 χ^2/NDF: 6882981.8/61

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1790.144+/-617.136 χ^2/NDF:13.9/13

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 681.509+/-603.272 χ^2/NDF:6.9/12

Left: -526.244+/-431.396 χ^2/NDF: 28.9/26

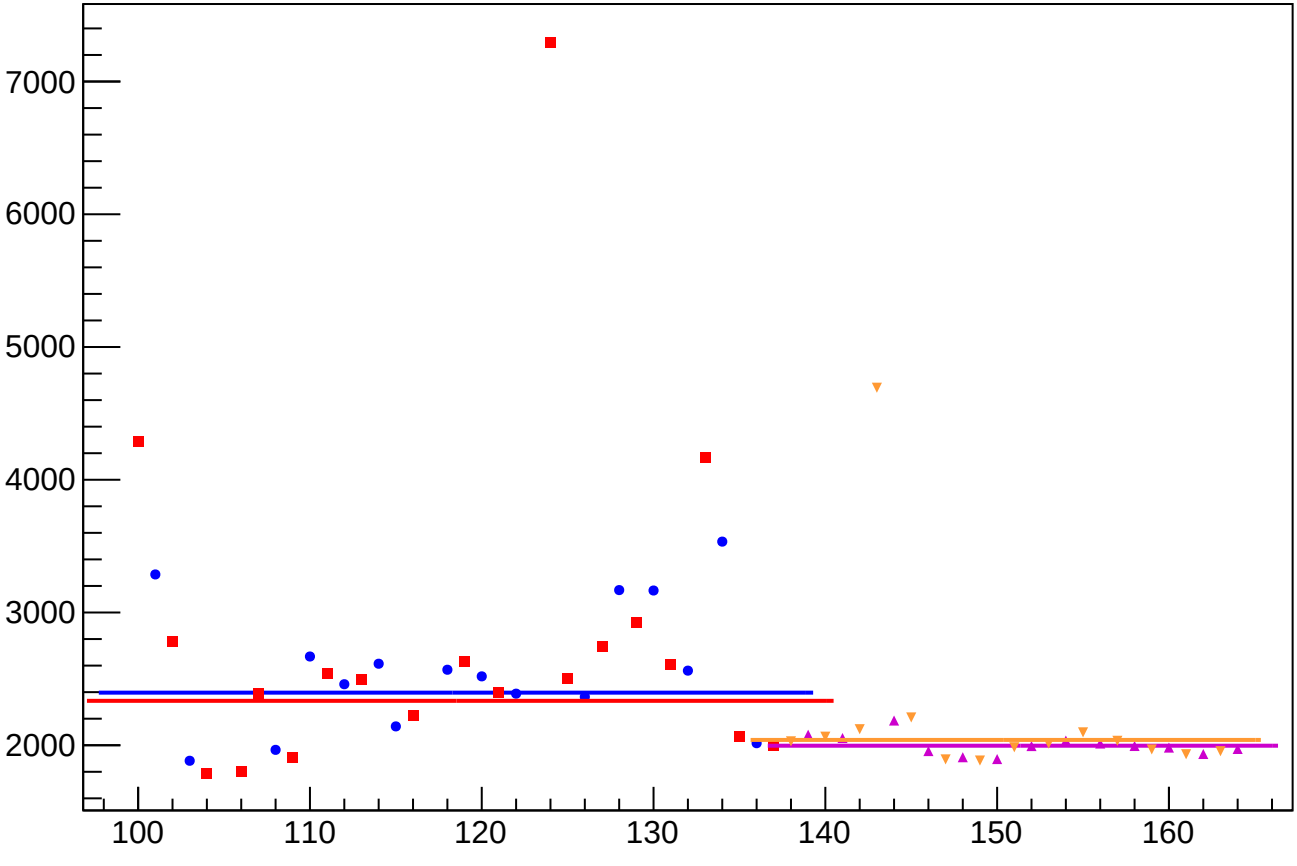
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 674.772+/-502.744 χ^2/NDF:28.9/28

Out: -774.032+/-507.249 χ^2/NDF:33.0/32

All: -43.168+/-357.076 χ^2/NDF: 66.0/61

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2040.057+/-0.436 χ^2/NDF:566278.3/13

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1996.530+/-0.427 χ^2/NDF:29592.4/12

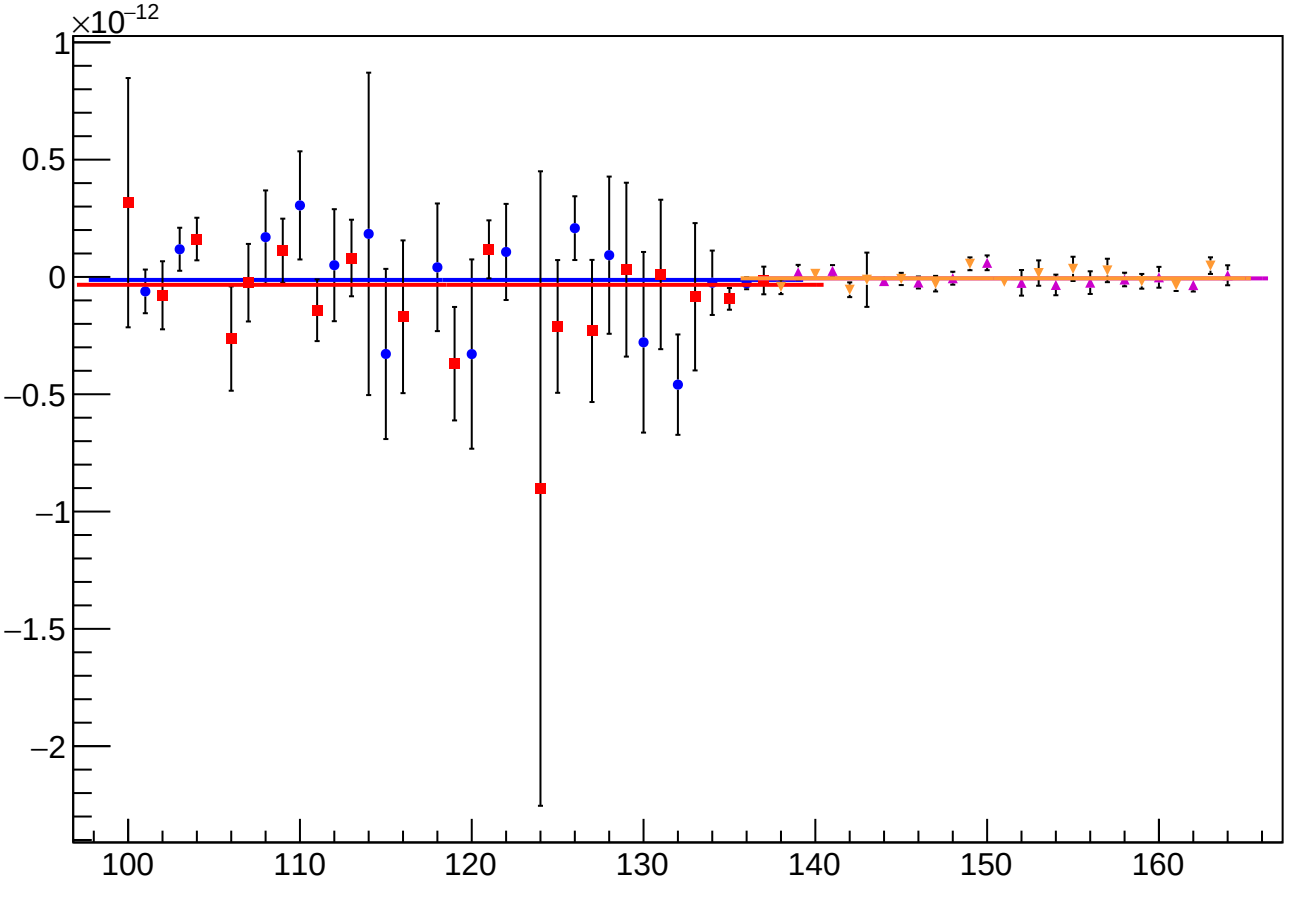
Left: 2017.799+/-0.305 χ^2/NDF: 600958.3/26

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2118.656+/-0.355 χ^2/NDF:805773.2/28

Out: 2135.609+/-0.359 χ^2/NDF:1395638.1/32

All: 2127.057+/-0.252 χ^2/NDF: 2202538.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/12

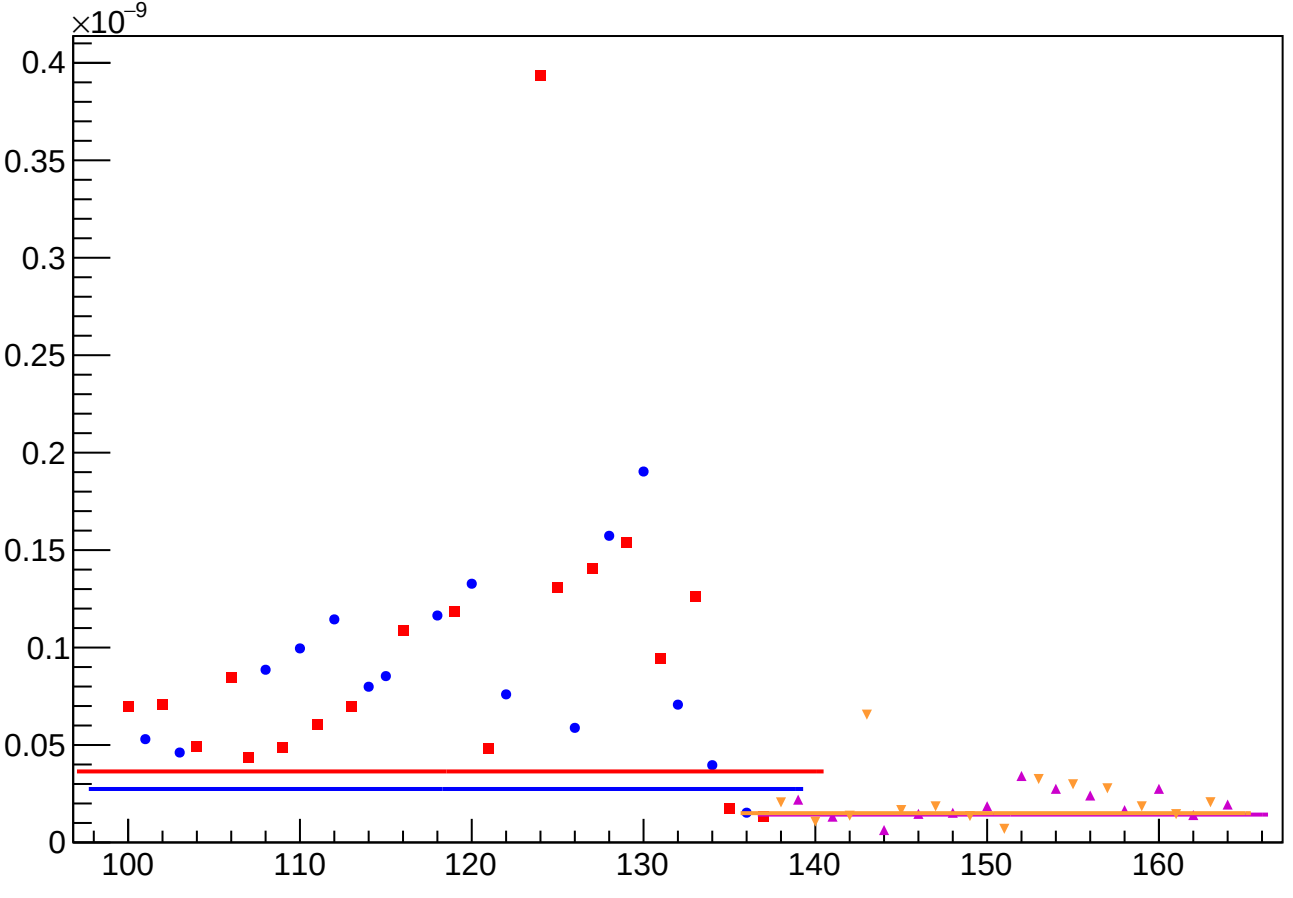
Left: -0.000+/-0.000 χ^2/NDF: 25.9/26

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:24.8/28

Out: -0.000+/-0.000 χ^2/NDF:32.2/32

All: -0.000+/-0.000 χ^2/NDF: 57.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1544393.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1566646.4/12

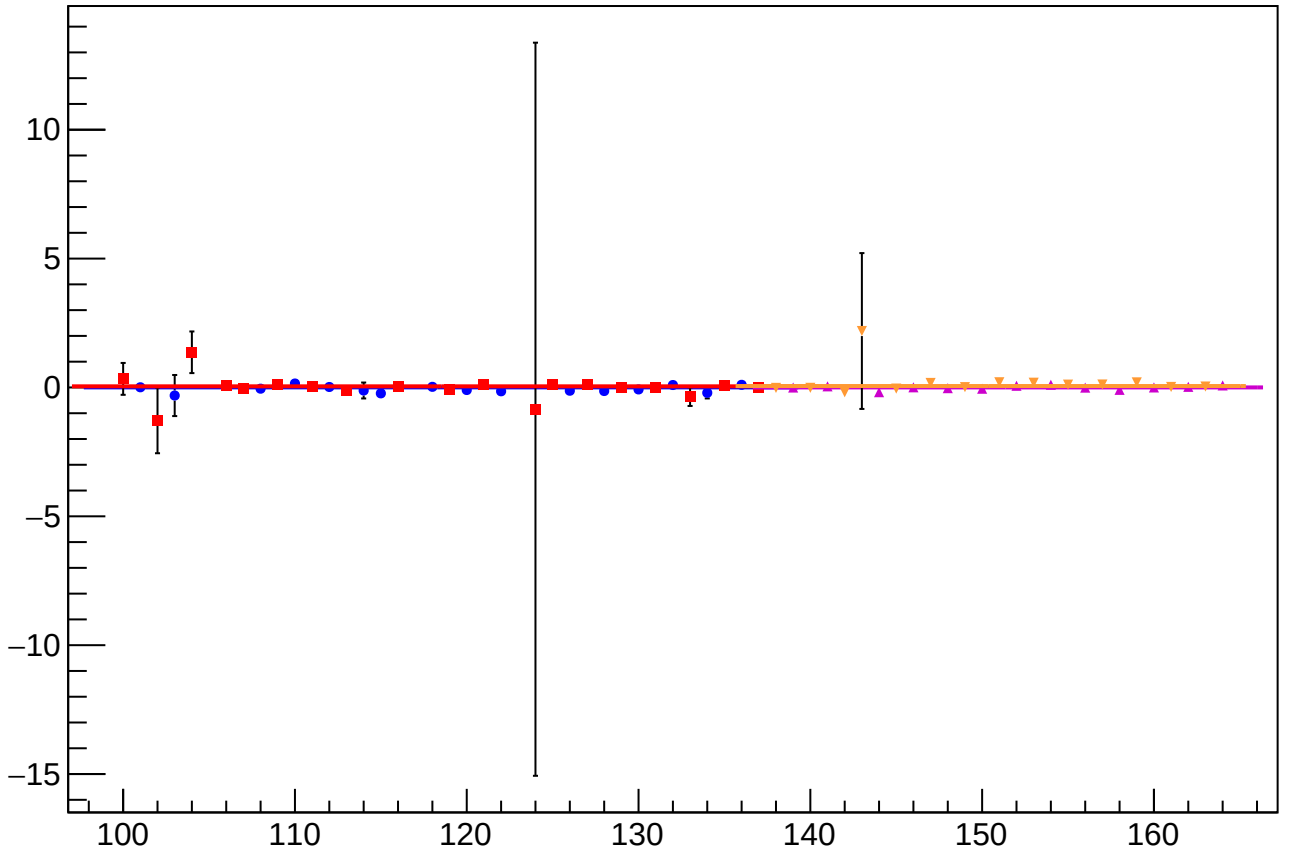
Left: 0.000+/-0.000 χ^2/NDF: 3119855.9/26

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4919826.0/28

Out: 0.000+/-0.000 χ^2/NDF:5070750.8/32

All: 0.000+/-0.000 χ^2/NDF: 10004469.1/61



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.001+/-0.022 χ^2/NDF:7.4/12

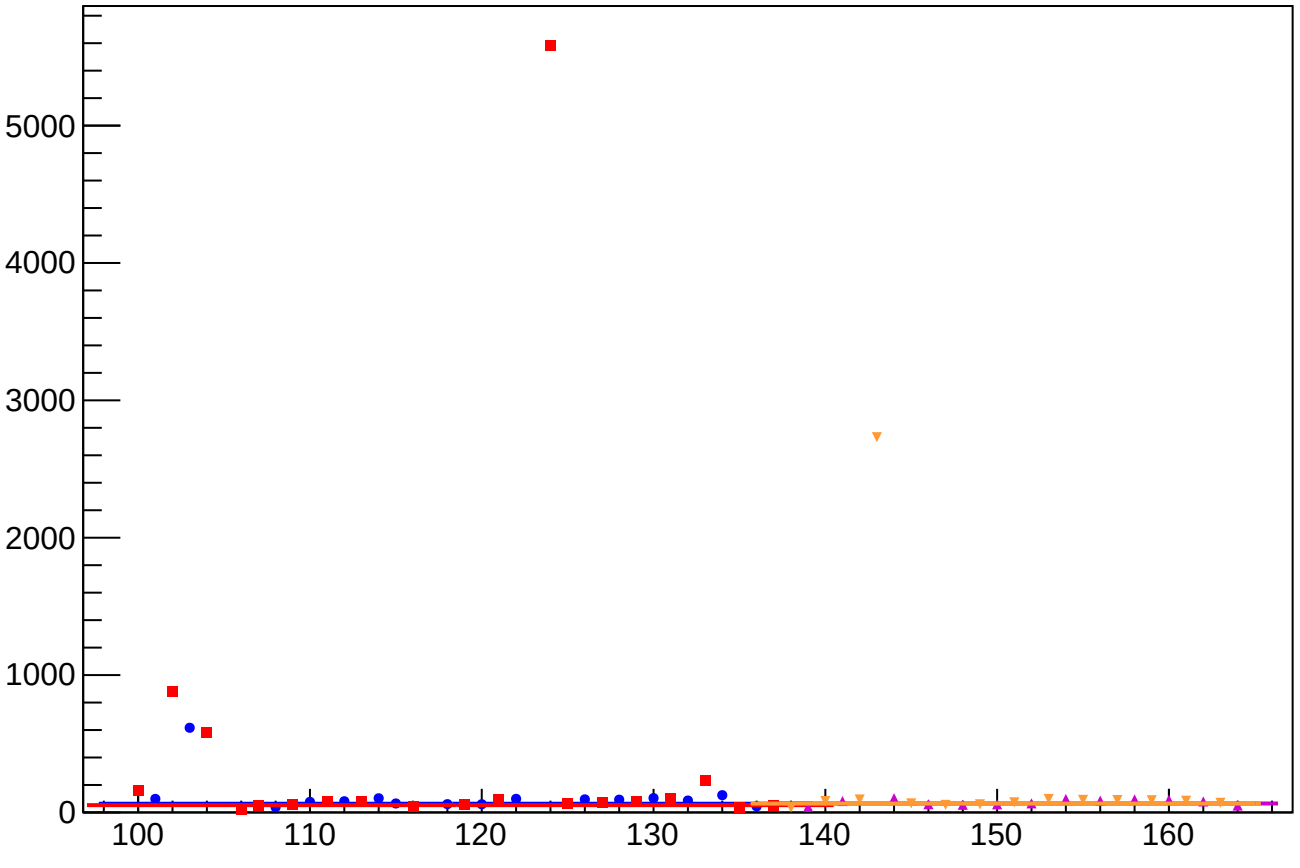
Left: 0.028+/-0.015 χ^2/NDF: 29.7/26

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.002+/-0.017 χ^2/NDF:20.6/28

Out: 0.050+/-0.016 χ^2/NDF:32.1/32

All: 0.027+/-0.012 χ^2/NDF: 56.9/61



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 64.586+/-0.016 χ^2/NDF:3379007.2/13

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 65.231+/-0.015 χ^2/NDF:1608285.0/12

Left: 64.914+/-0.011 χ^2/NDF: 4988172.4/26

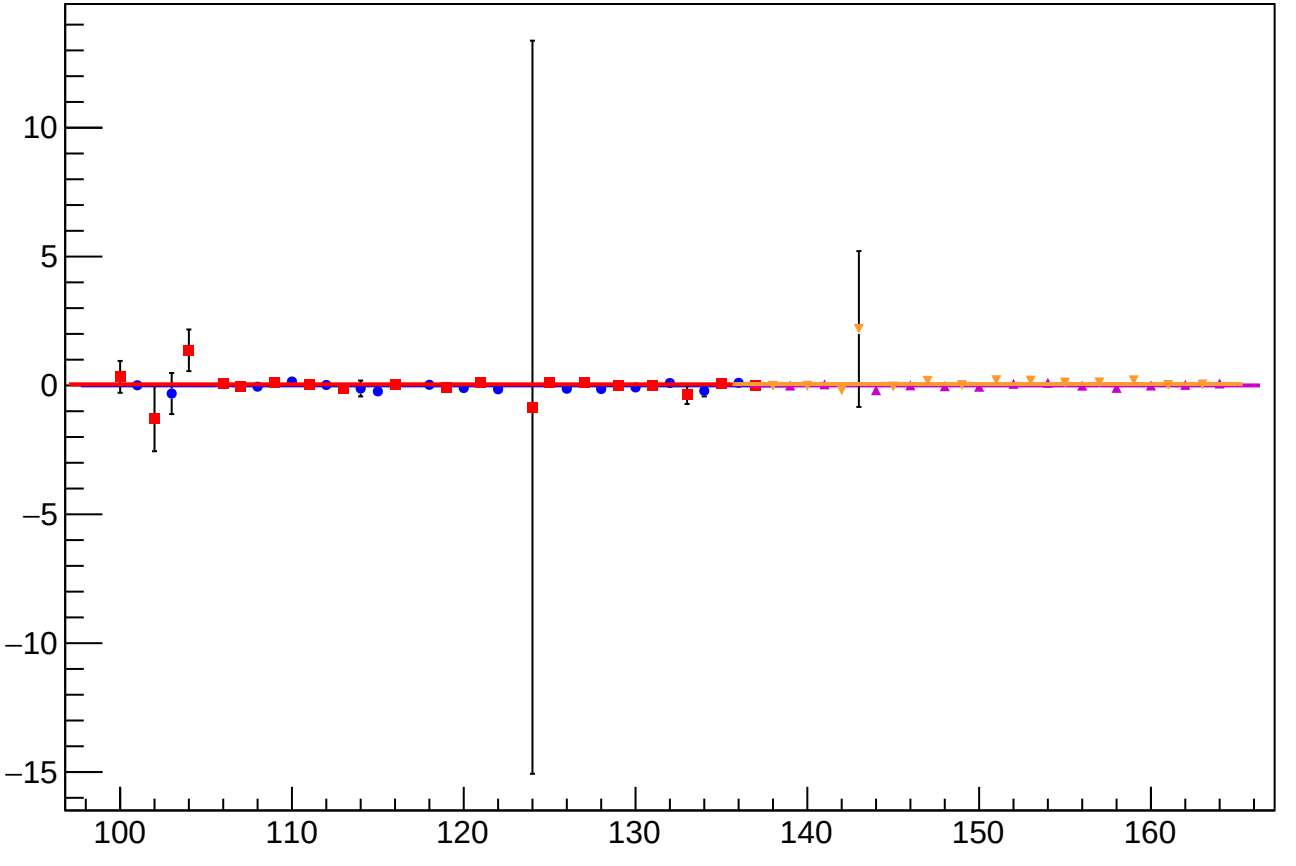
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 64.546+/-0.012 χ^2/NDF:4058782.0/28

Out: 59.596+/-0.012 χ^2/NDF:7560517.5/32

All: 62.005+/-0.008 χ^2/NDF: 11707492.5/61

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: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.001+/-0.022 χ^2/NDF:7.4/12

Left: 0.028+/-0.015 χ^2/NDF: 29.7/26

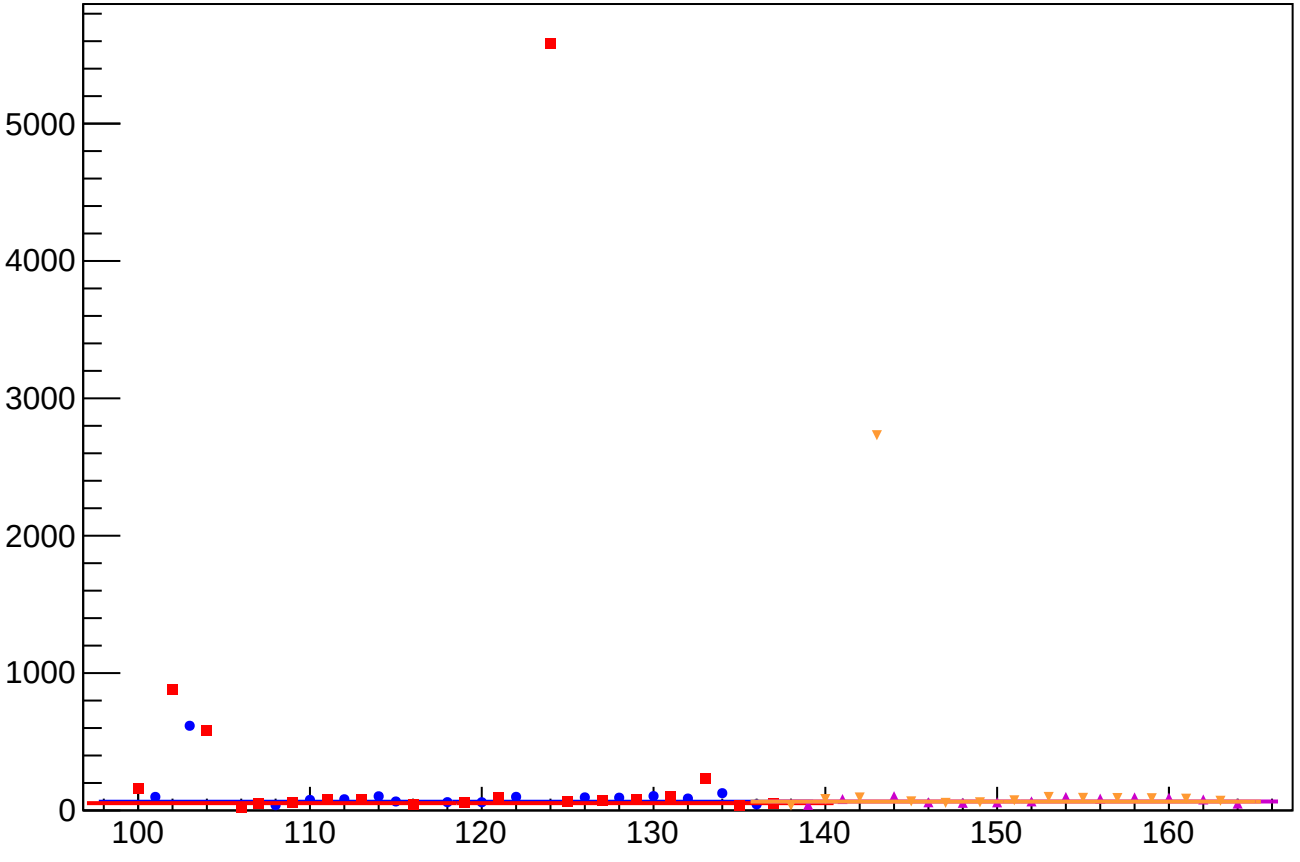
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.002+/-0.017 χ^2/NDF:20.6/28

Out: 0.050+/-0.016 χ^2/NDF:32.1/32

All: 0.027+/-0.012 χ^2/NDF: 56.9/61

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: 64.586+/-0.016 χ^2/NDF:3379007.2/13

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 65.231+/-0.015 χ^2/NDF:1608285.0/12

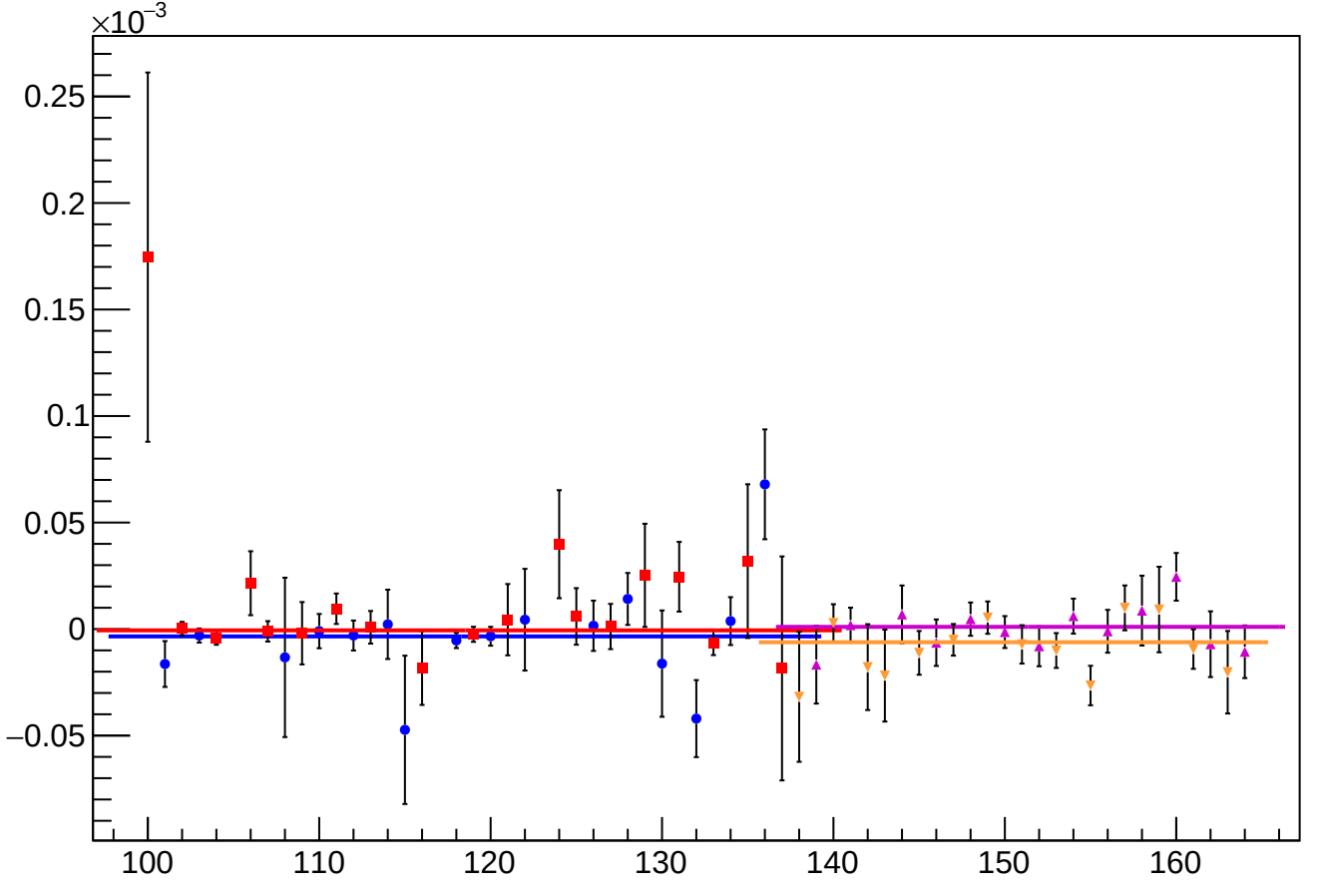
Left: 64.914+/-0.011 χ^2/NDF: 4988172.4/26

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 64.546+/-0.012 χ^2/NDF:4058782.0/28

Out: 59.596+/-0.012 χ^2/NDF:7560517.5/32

All: 62.005+/-0.008 χ^2/NDF: 11707492.5/61



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/12

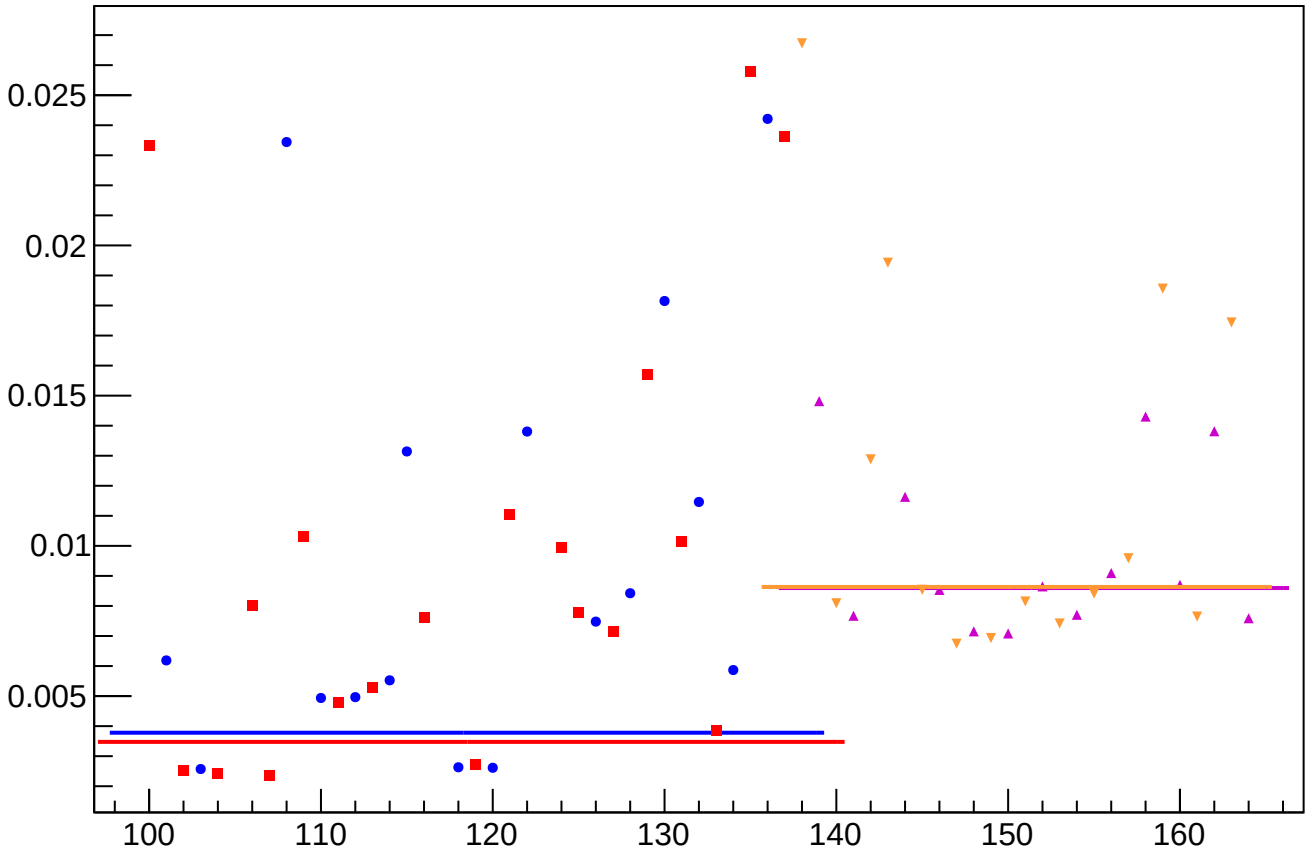
Left: -0.000+/-0.000 χ^2/NDF: 26.2/26

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:29.7/28

Out: -0.000+/-0.000 χ^2/NDF:36.0/32

All: -0.000+/-0.000 χ^2/NDF: 65.8/61



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:2523224.2/13

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.009+/-0.000 χ^2/NDF:1019874.4/12

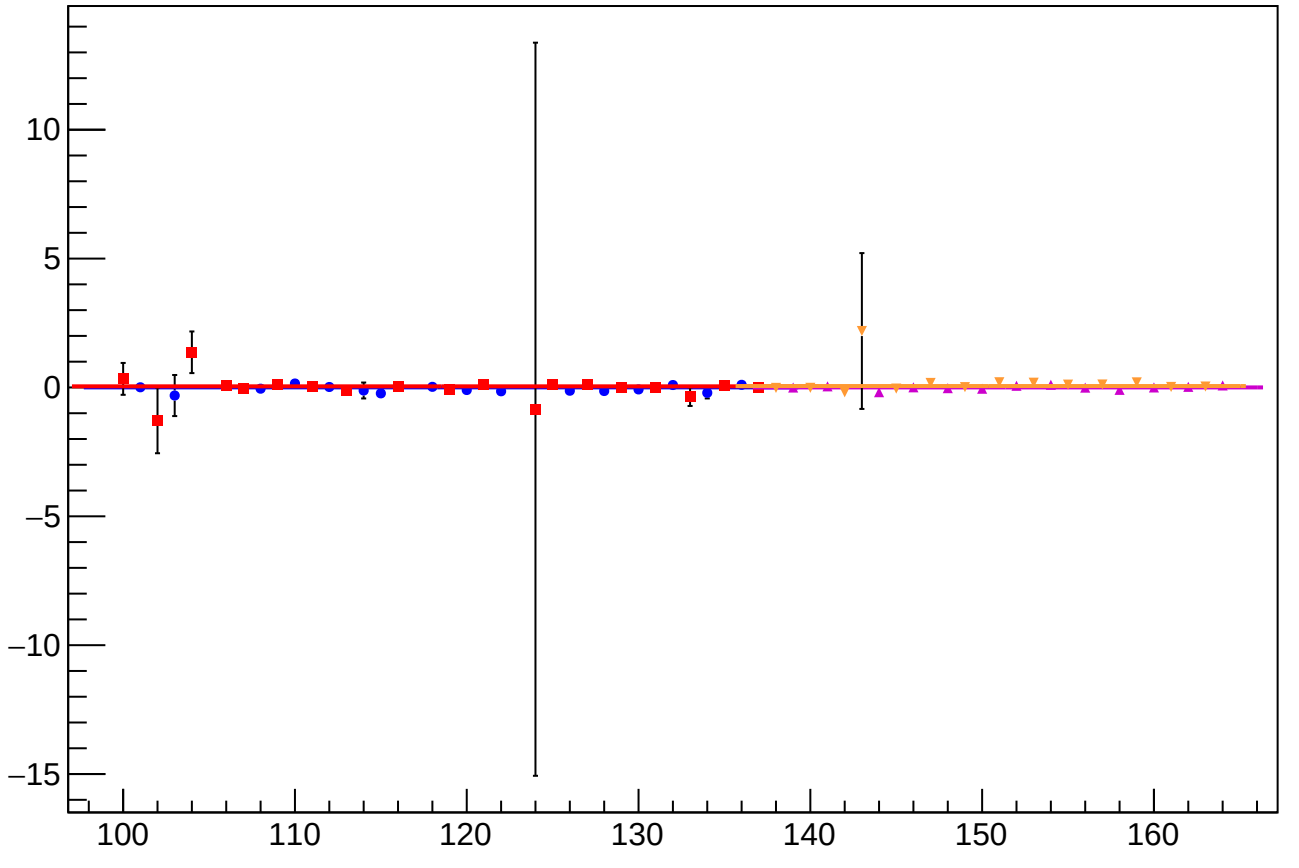
Left: 0.009+/-0.000 χ^2/NDF: 3543260.9/26

Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:9818629.4/28

Out: 0.005+/-0.000 χ^2/NDF:12239755.9/32

All: 0.005+/-0.000 χ^2/NDF: 22182442.0/61



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.001+/-0.022 χ^2/NDF:7.4/12

Left: 0.028+/-0.015 χ^2/NDF: 29.7/26

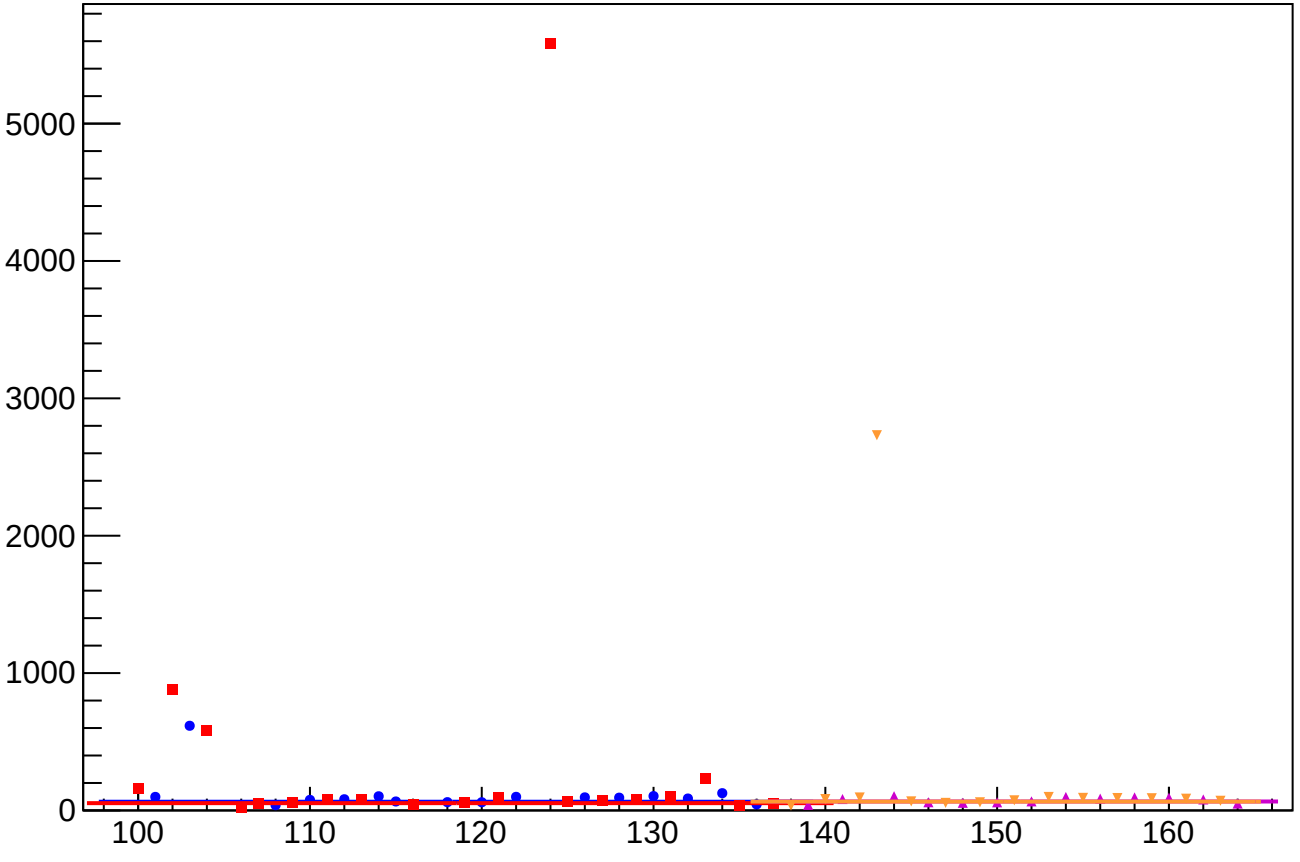
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.002+/-0.017 χ^2/NDF:20.6/28

Out: 0.050+/-0.016 χ^2/NDF:32.1/32

All: 0.027+/-0.012 χ^2/NDF: 56.9/61

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: 64.583+/-0.016 χ^2/NDF:3379029.6/13

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 65.233+/-0.015 χ^2/NDF:1607858.0/12

Left: 64.914+/-0.011 χ^2/NDF: 4987782.6/26

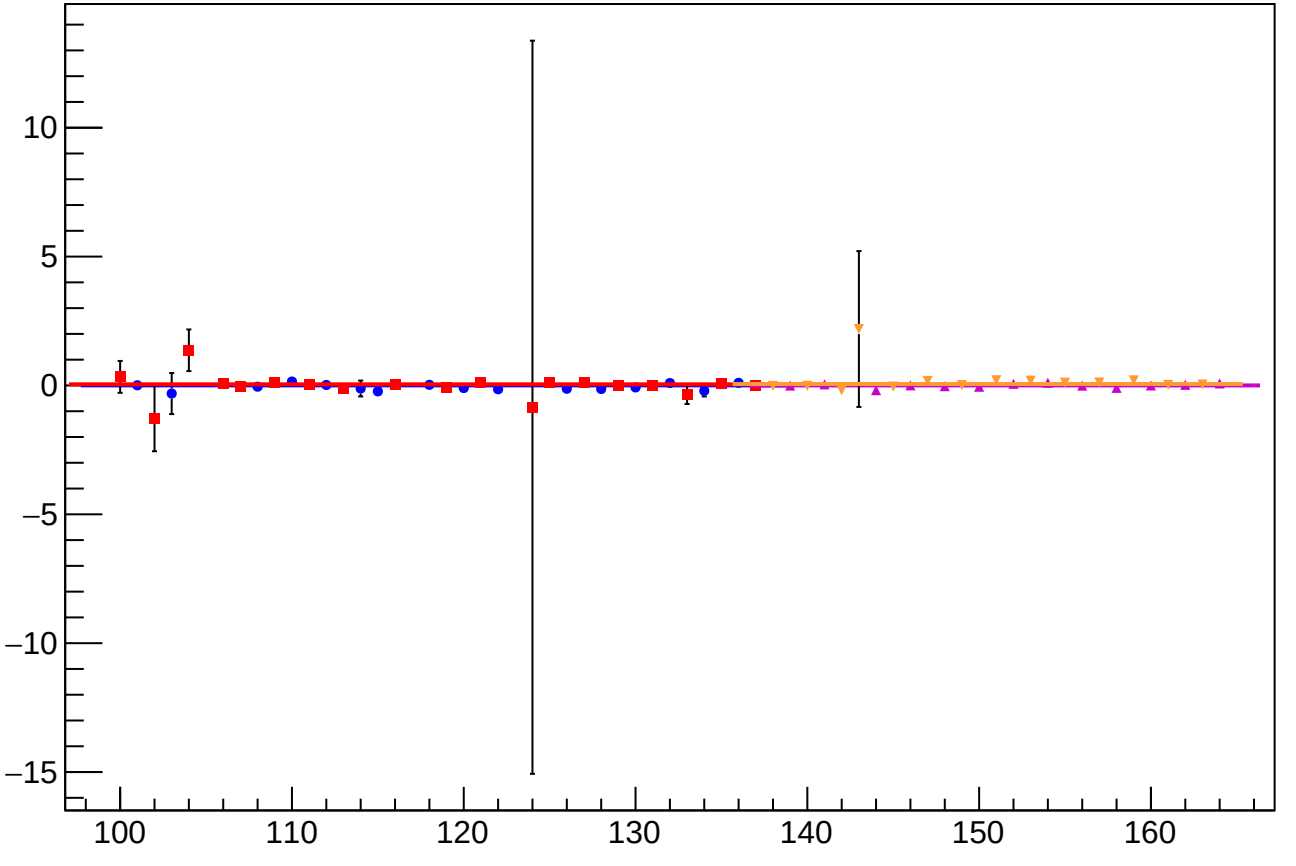
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 64.551+/-0.012 χ^2/NDF:4057417.4/28

Out: 59.591+/-0.012 χ^2/NDF:7561191.2/32

All: 62.005+/-0.008 χ^2/NDF: 11707121.5/61

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: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: 0.001+/-0.022 χ^2/NDF:7.4/12

Left: 0.028+/-0.015 χ^2/NDF: 29.7/26

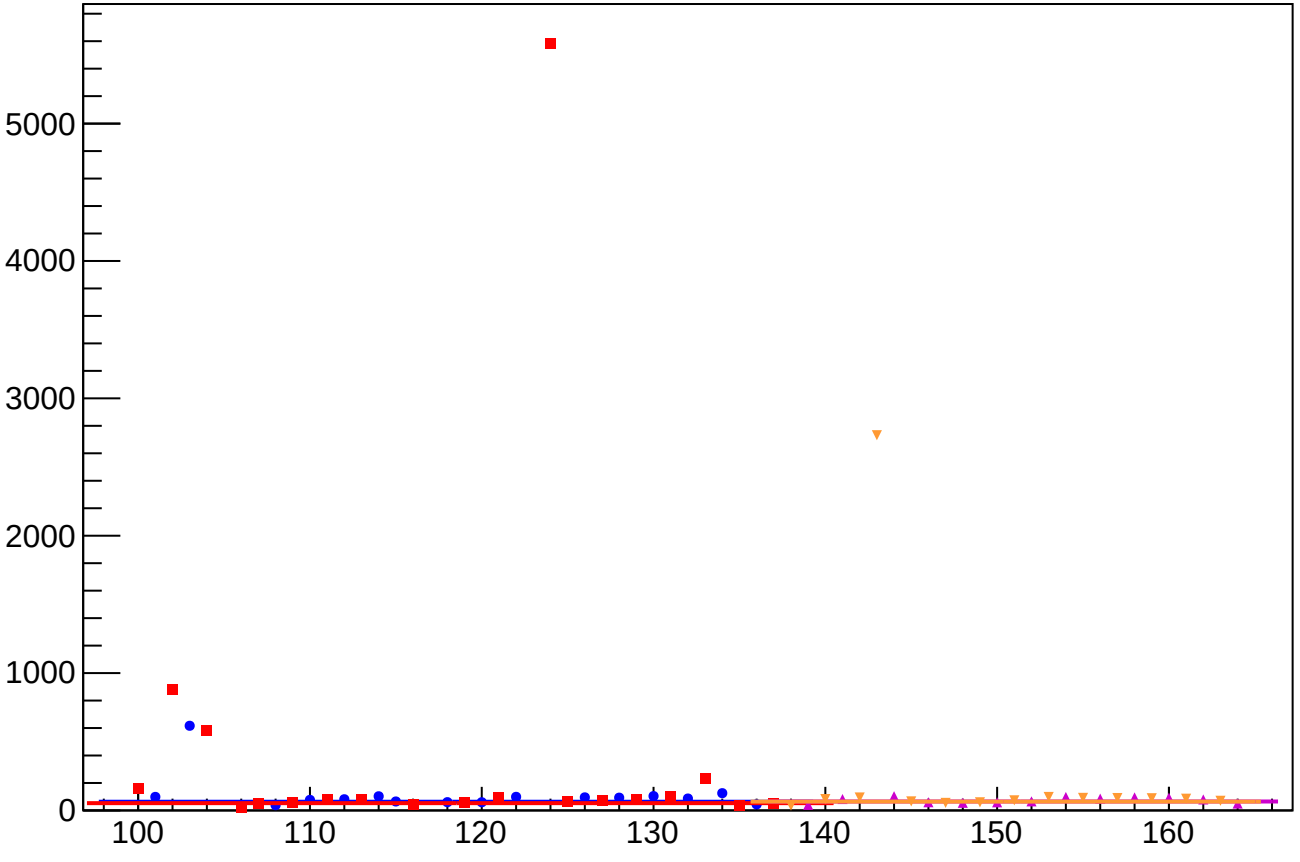
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: 0.002+/-0.017 χ^2/NDF:20.6/28

Out: 0.050+/-0.016 χ^2/NDF:32.1/32

All: 0.027+/-0.012 χ^2/NDF: 56.9/61

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: 64.583+/-0.016 χ^2/NDF:3379029.6/13

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 65.233+/-0.015 χ^2/NDF:1607858.0/12

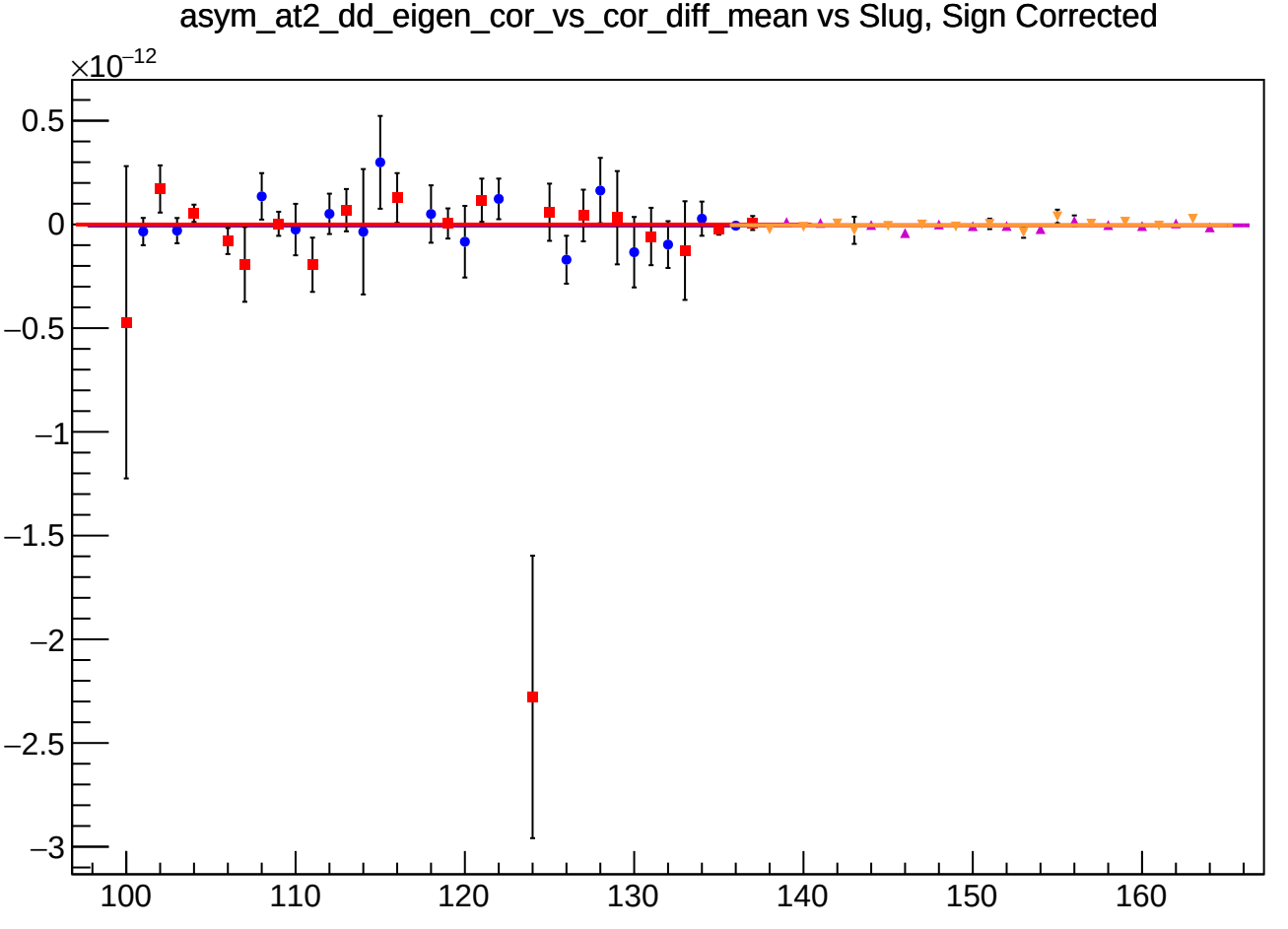
Left: 64.914+/-0.011 χ^2/NDF: 4987782.6/26

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 64.551+/-0.012 χ^2/NDF:4057417.4/28

Out: 59.591+/-0.012 χ^2/NDF:7561191.2/32

All: 62.005+/-0.008 χ^2/NDF: 11707121.5/61



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.1/12

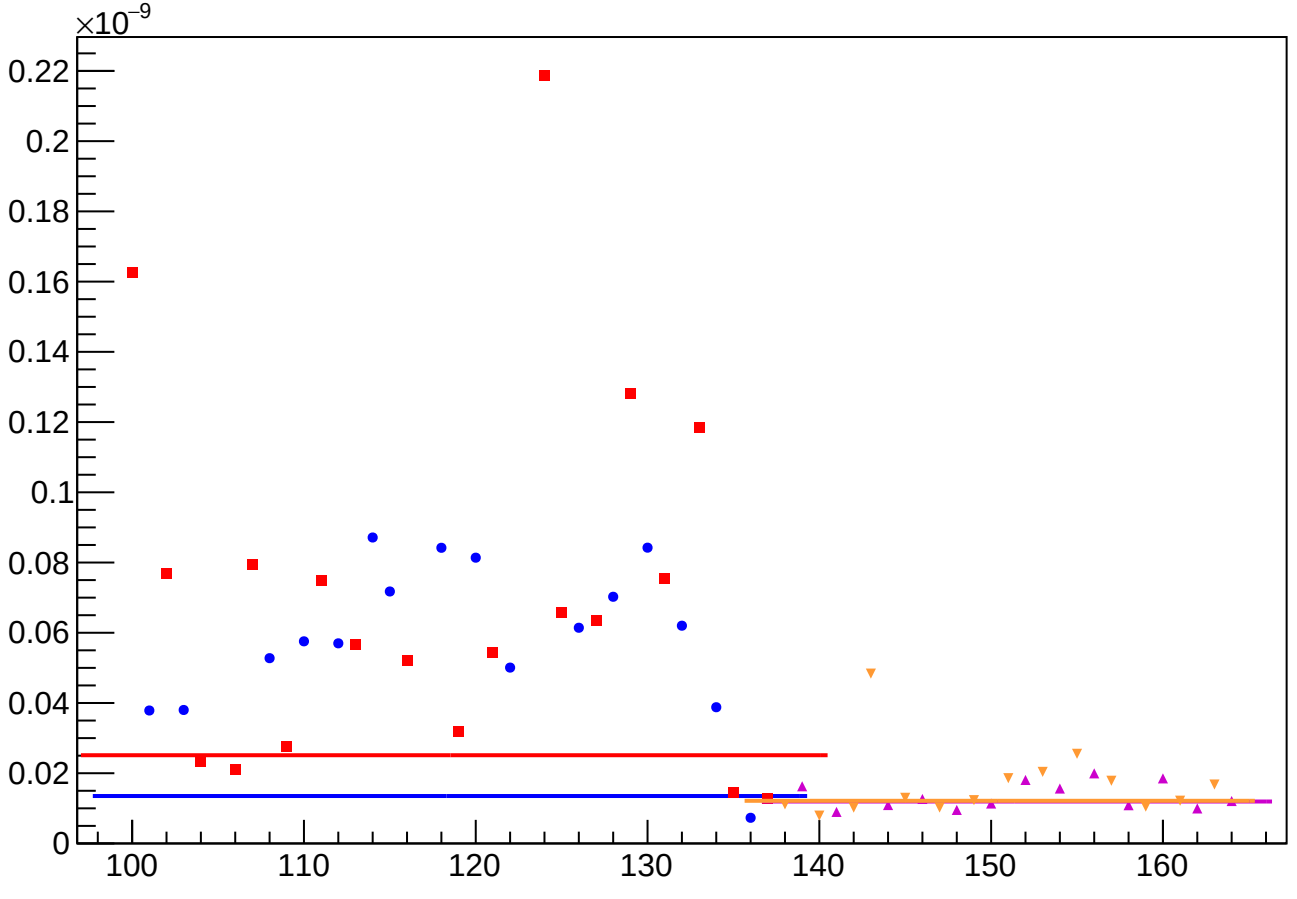
Left: -0.000+/-0.000 χ^2/NDF: 18.7/26

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:19.9/28

Out: -0.000+/-0.000 χ^2/NDF:34.7/32

All: -0.000+/-0.000 χ^2/NDF: 54.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1910286.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:884081.7/12

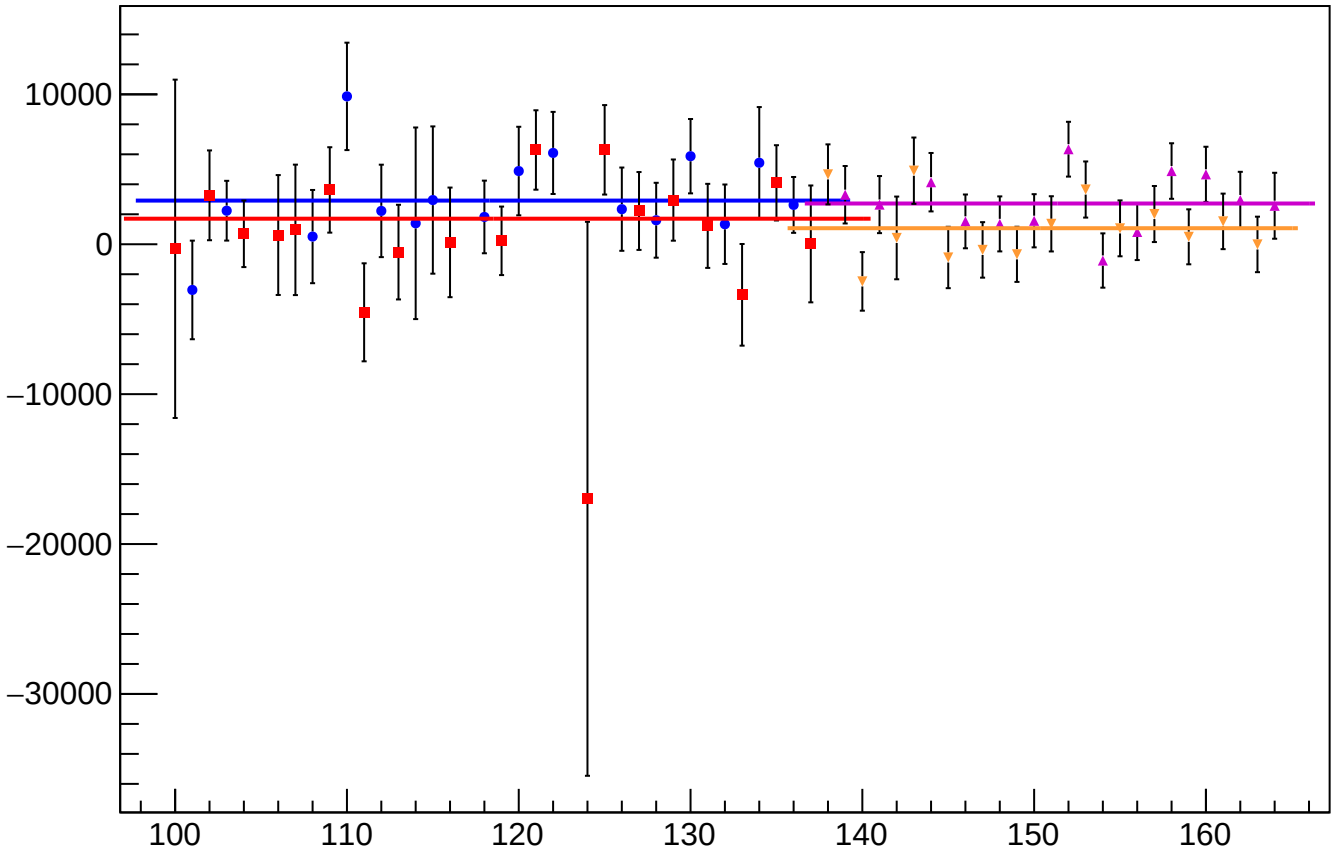
Left: 0.000+/-0.000 χ^2/NDF: 2796278.1/26

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5916185.9/28

Out: 0.000+/-0.000 χ^2/NDF:6844721.9/32

All: 0.000+/-0.000 χ^2/NDF: 12824544.2/61



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1070.190+/-519.380 χ^2/NDF:14.7/13

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2718.262+/-519.858 χ^2/NDF:13.9/12

Left: 1893.468+/-367.426 χ^2/NDF: 33.6/26

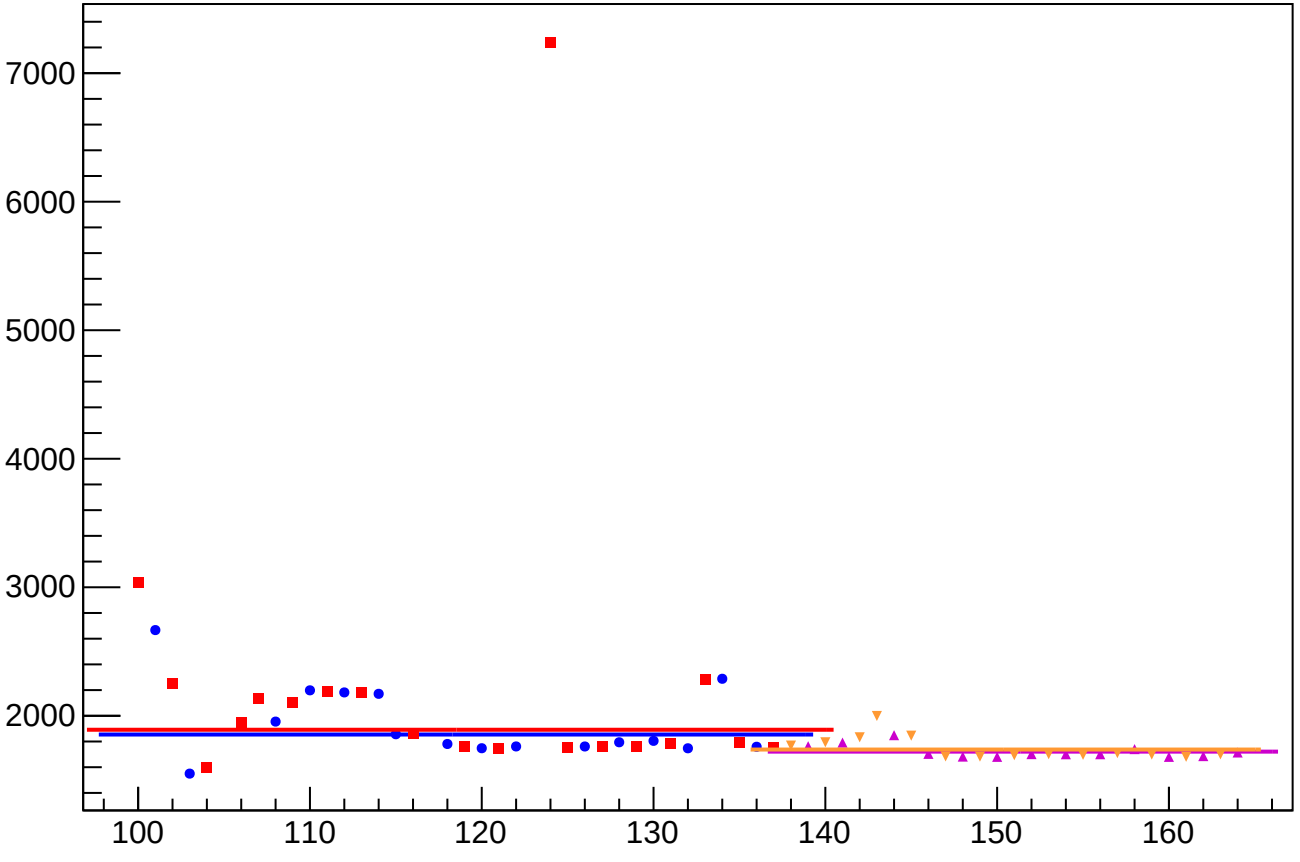
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2788.116+/-416.299 χ^2/NDF:26.4/28

Out: 1292.728+/-418.541 χ^2/NDF:31.0/32

All: 2044.437+/-295.157 χ^2/NDF: 63.8/61

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1737.472+/-0.367 χ^2/NDF:48295.5/13

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1721.229+/-0.368 χ^2/NDF:17035.2/12

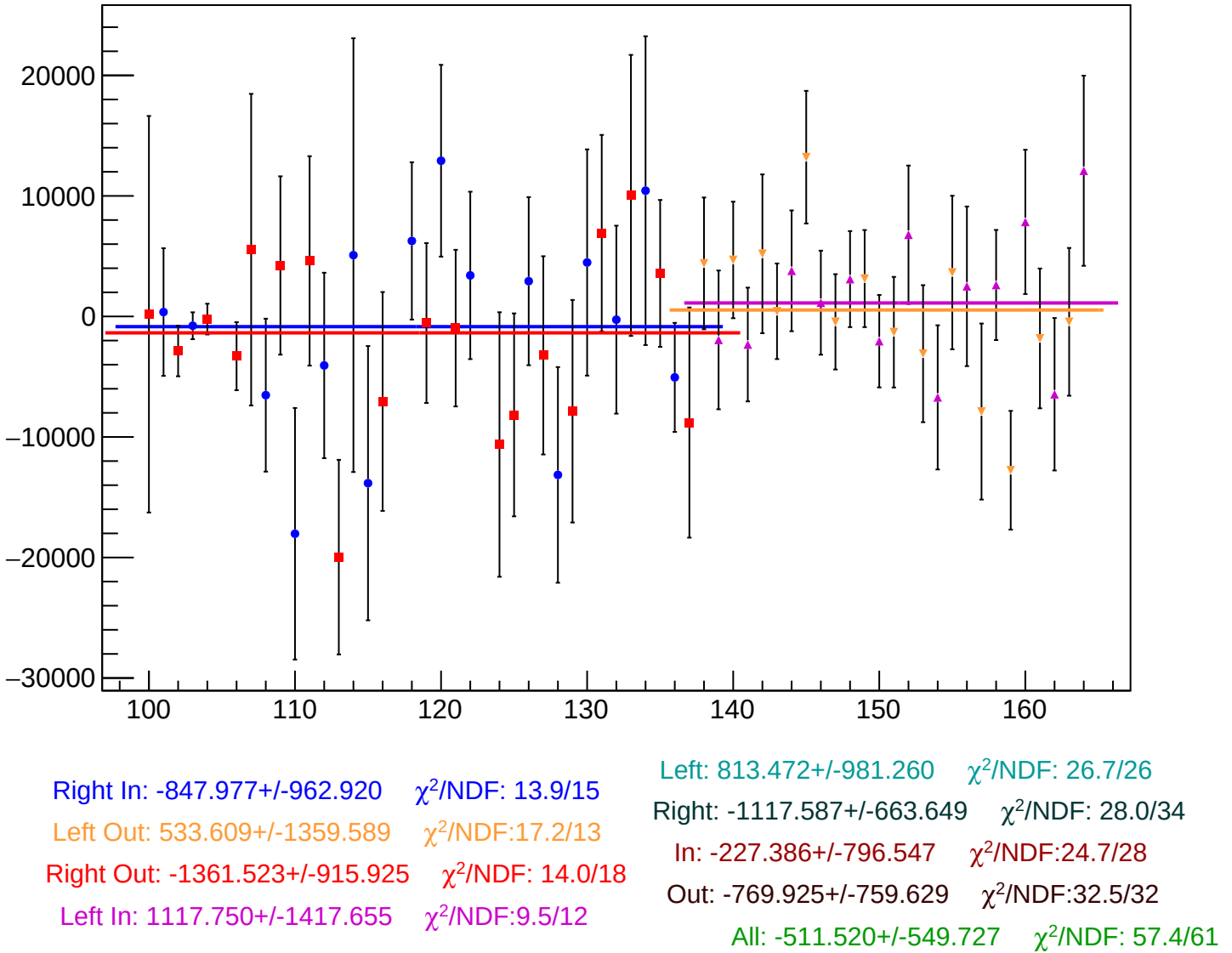
Left: 1729.358+/-0.260 χ^2/NDF: 66307.8/26

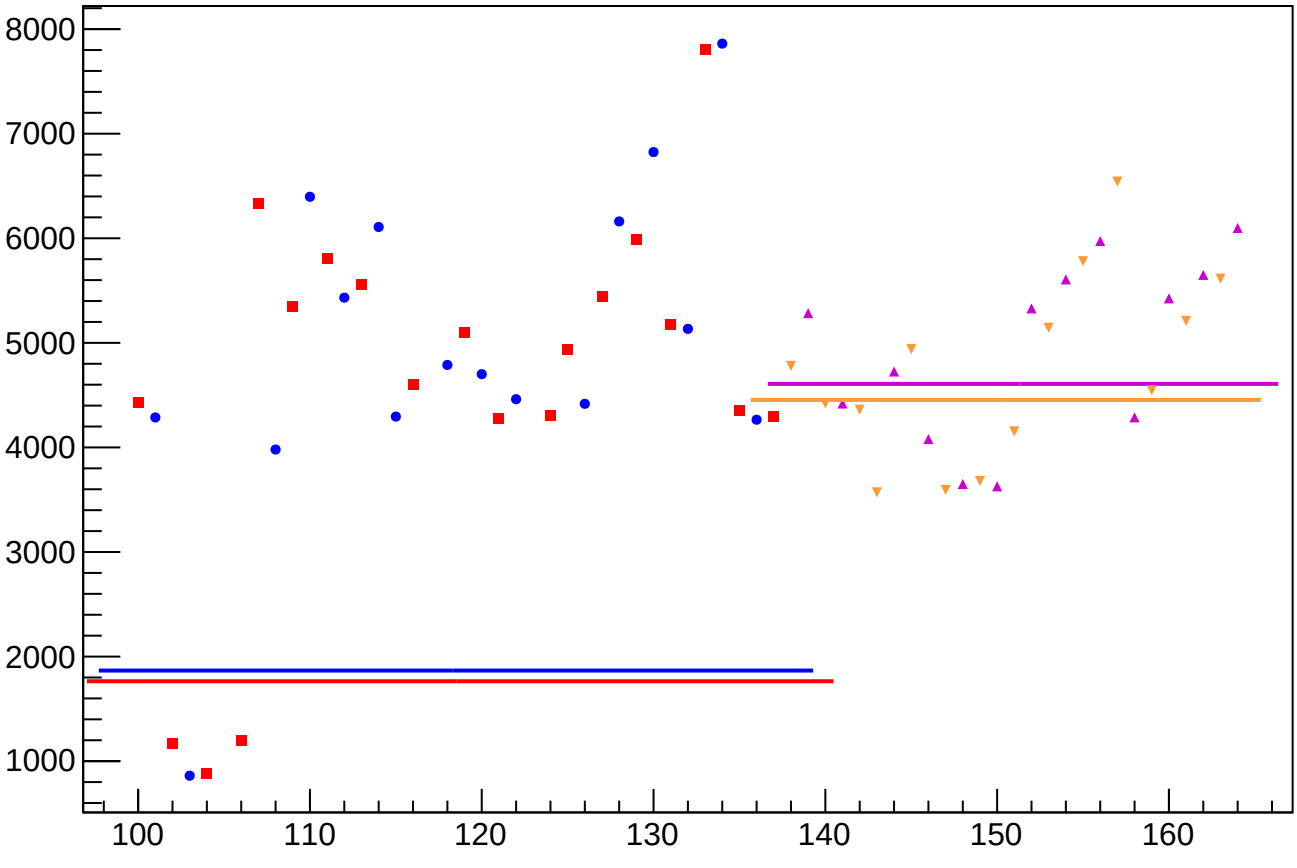
Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1768.970+/-0.294 χ^2/NDF:327377.5/28

Out: 1791.628+/-0.296 χ^2/NDF:474178.3/32

All: 1780.248+/-0.209 χ^2/NDF: 804504.6/61


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -847.977+/-962.920 χ²/NDF: 13.9/15
Left Out: 533.609+/-1359.589 χ²/NDF:17.2/13
Right Out: -1361.523+/-915.925 χ²/NDF: 14.0/18
Left In: 1117.750+/-1417.655 χ²/NDF:9.5/12
Left: 813.472+/-981.260 χ²/NDF: 26.7/26
Right: -1117.587+/-663.649 χ²/NDF: 28.0/34
In: -227.386+/-796.547 χ²/NDF:24.7/28
Out: -769.925+/-759.629 χ²/NDF:32.5/32
All: -511.520+/-549.727 χ²/NDF: 57.4/61



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4454.835+/-0.961 χ^2/NDF:686087.6/13

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4607.825+/-1.002 χ^2/NDF:653068.9/12

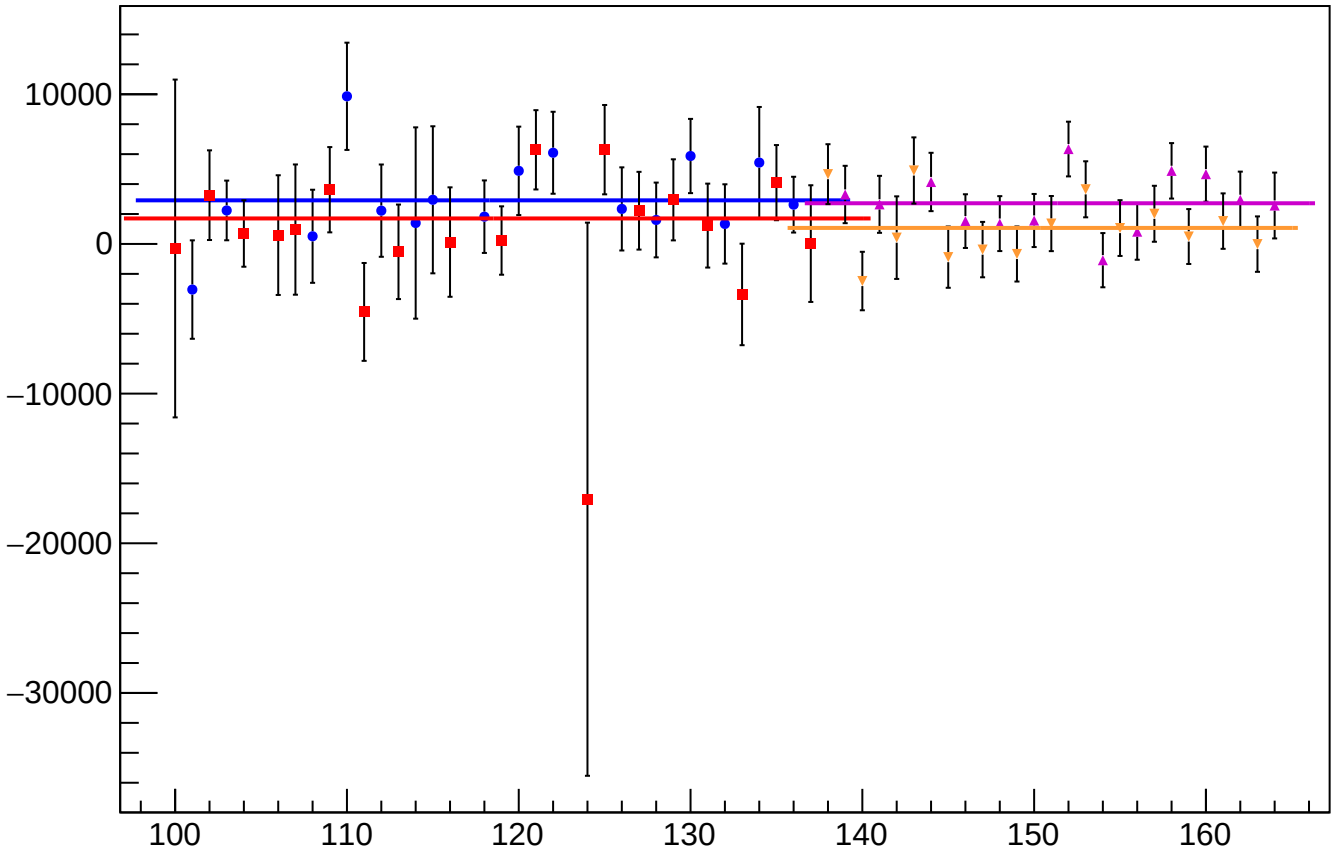
Left: 4528.133+/-0.694 χ^2/NDF: 1351289.4/26

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2731.886+/-0.563 χ^2/NDF:12620504.0/28

Out: 2604.184+/-0.537 χ^2/NDF:12508314.8/32

All: 2665.007+/-0.389 χ^2/NDF: 25155740.2/6



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1070.012+/-519.380 χ^2/NDF:14.7/13

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2718.328+/-519.858 χ^2/NDF:13.9/12

Left: 1893.412+/-367.426 χ^2/NDF: 33.6/26

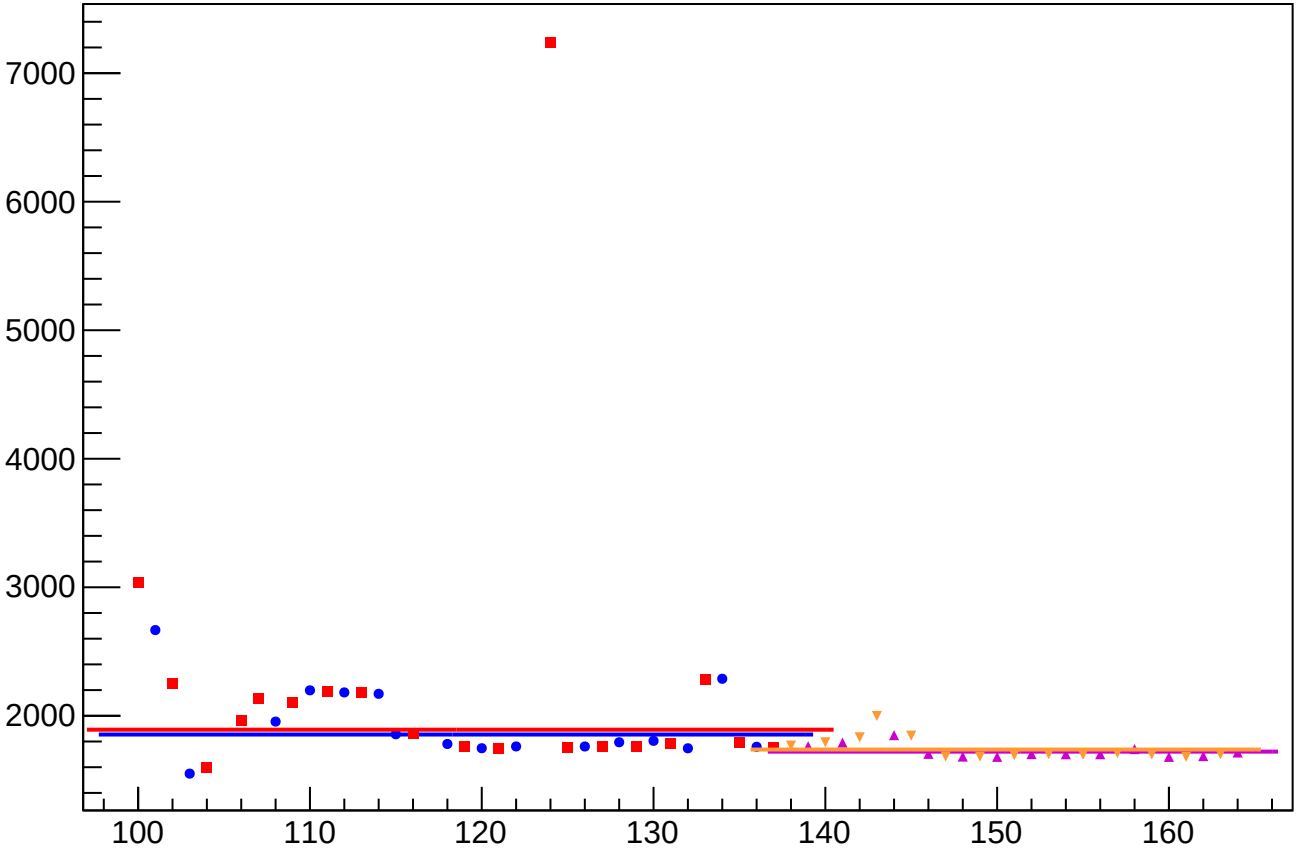
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2788.195+/-416.299 χ^2/NDF:26.4/28

Out: 1292.127+/-418.541 χ^2/NDF:31.0/32

All: 2044.178+/-295.157 χ^2/NDF: 63.9/61

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1737.472+/-0.367 χ^2/NDF:48295.5/13

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1721.229+/-0.368 χ^2/NDF:17035.2/12

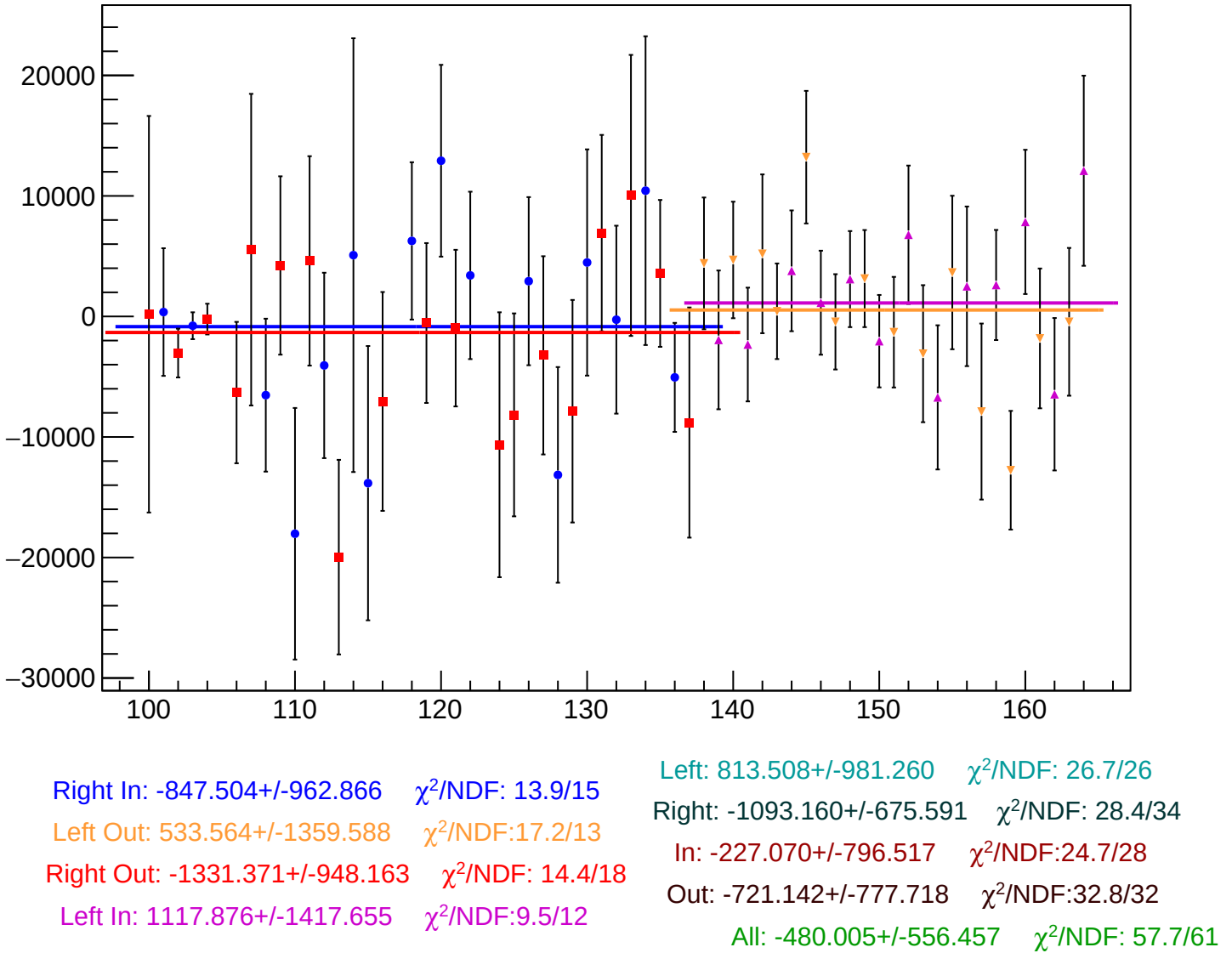
Left: 1729.358+/-0.260 χ^2/NDF: 66307.8/26

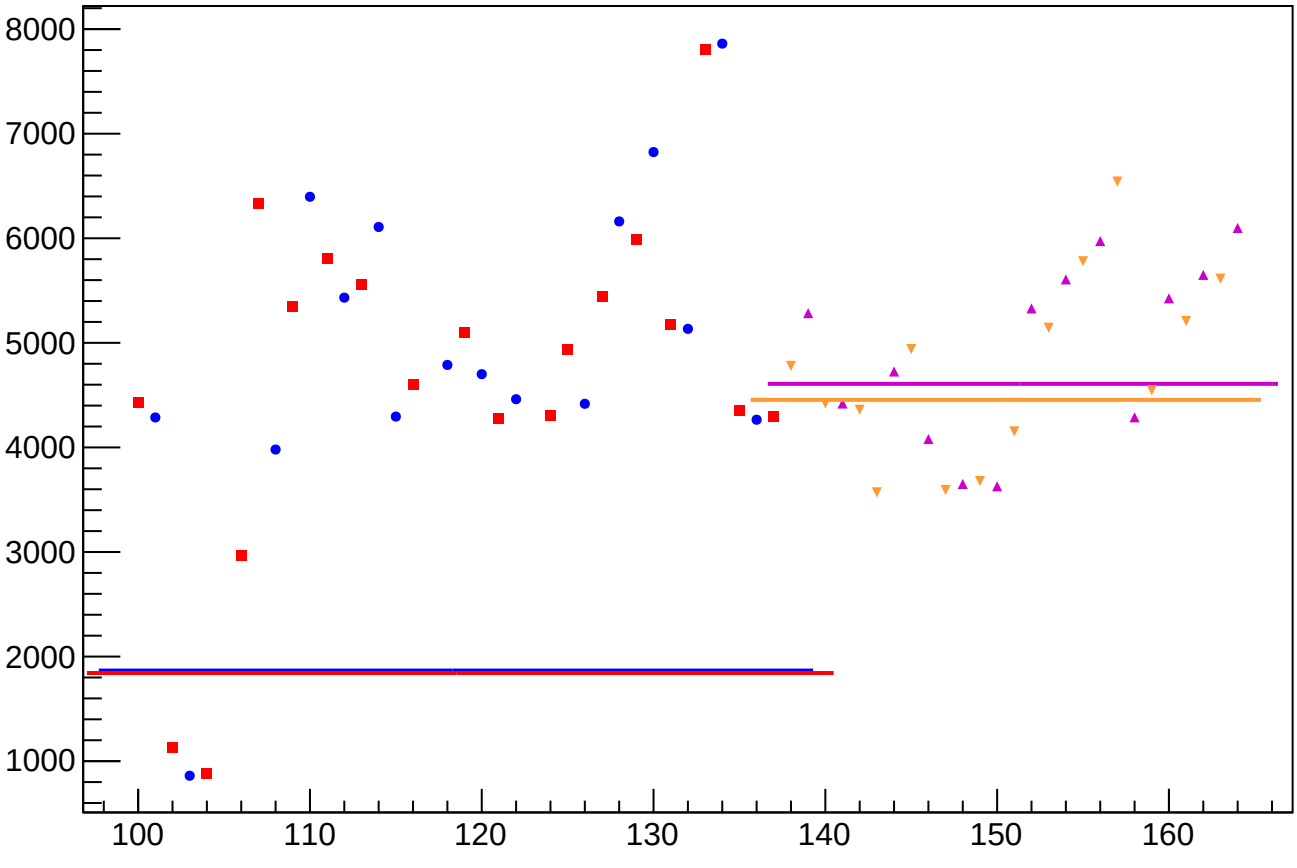
Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1768.970+/-0.294 χ^2/NDF:327377.4/28

Out: 1791.773+/-0.296 χ^2/NDF:474770.2/32

All: 1780.319+/-0.209 χ^2/NDF: 805134.1/61


asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -847.504+/-962.866 χ²/NDF: 13.9/15
Left Out: 533.564+/-1359.588 χ²/NDF:17.2/13
Right Out: -1331.371+/-948.163 χ²/NDF: 14.4/18
Left In: 1117.876+/-1417.655 χ²/NDF:9.5/12
Left: 813.508+/-981.260 χ²/NDF: 26.7/26
Right: -1093.160+/-675.591 χ²/NDF: 28.4/34
In: -227.070+/-796.517 χ²/NDF:24.7/28
Out: -721.142+/-777.718 χ²/NDF:32.8/32
All: -480.005+/-556.457 χ²/NDF: 57.7/61



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4454.831+/-0.961 χ^2/NDF:686101.2/13

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4607.824+/-1.002 χ^2/NDF:653082.4/12

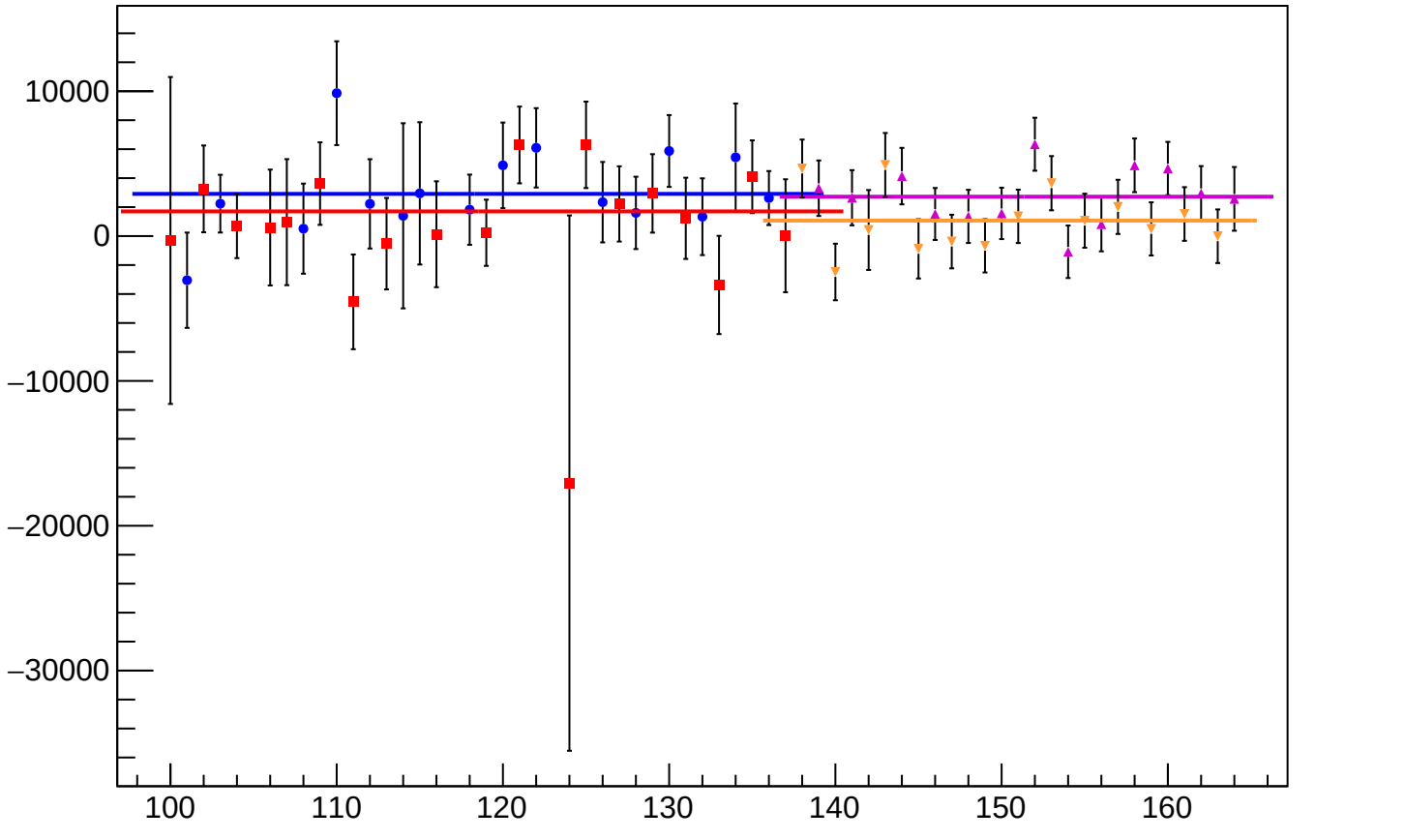
Left: 4528.130+/-0.694 χ^2/NDF: 1351317.2/26

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2731.715+/-0.563 χ^2/NDF:12621690.1/28

Out: 2697.543+/-0.550 χ^2/NDF:12110739.6/32

All: 2714.221+/-0.393 χ^2/NDF: 24734314.2/6



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1070.012+/-519.380 χ^2/NDF:14.7/13

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2718.328+/-519.858 χ^2/NDF:13.9/12

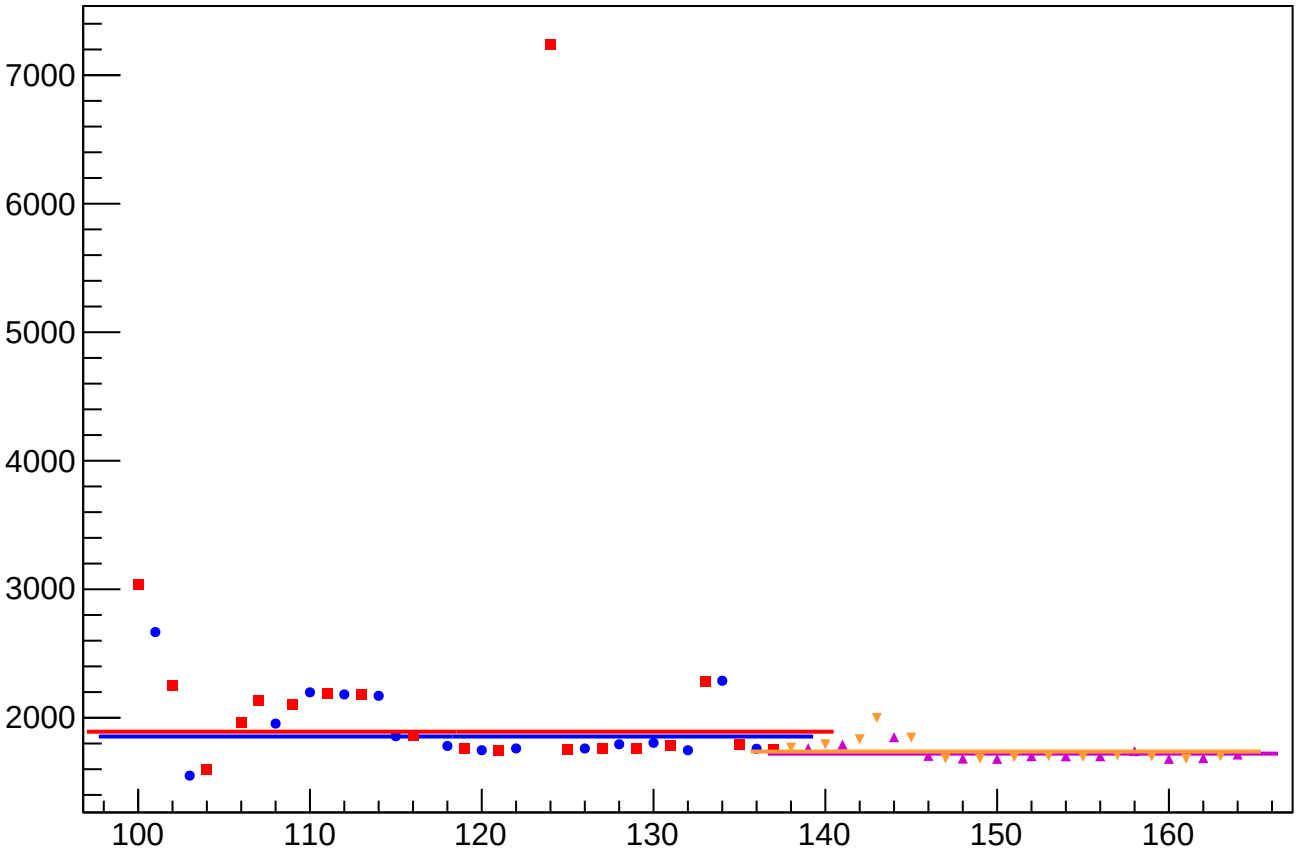
Left: 1893.412+/-367.426 χ^2/NDF: 33.6/26

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2788.195+/-416.299 χ^2/NDF:26.4/28

Out: 1292.127+/-418.541 χ^2/NDF:31.0/32

All: 2044.178+/-295.157 χ^2/NDF: 63.9/61



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1737.472+/-0.367 χ^2/NDF:48295.5/13

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1721.229+/-0.368 χ^2/NDF:17035.2/12

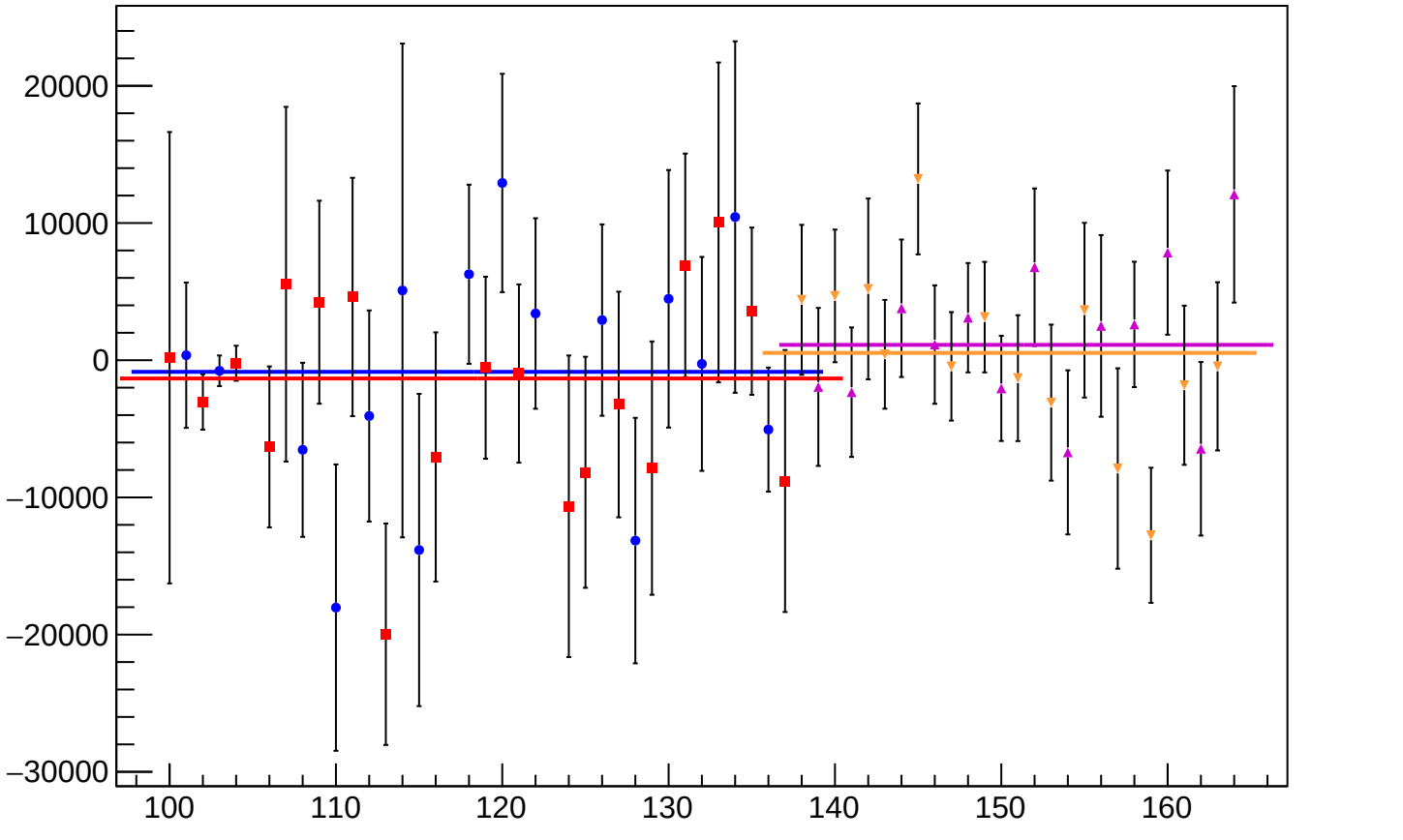
Left: 1729.358+/-0.260 χ^2/NDF: 66307.8/26

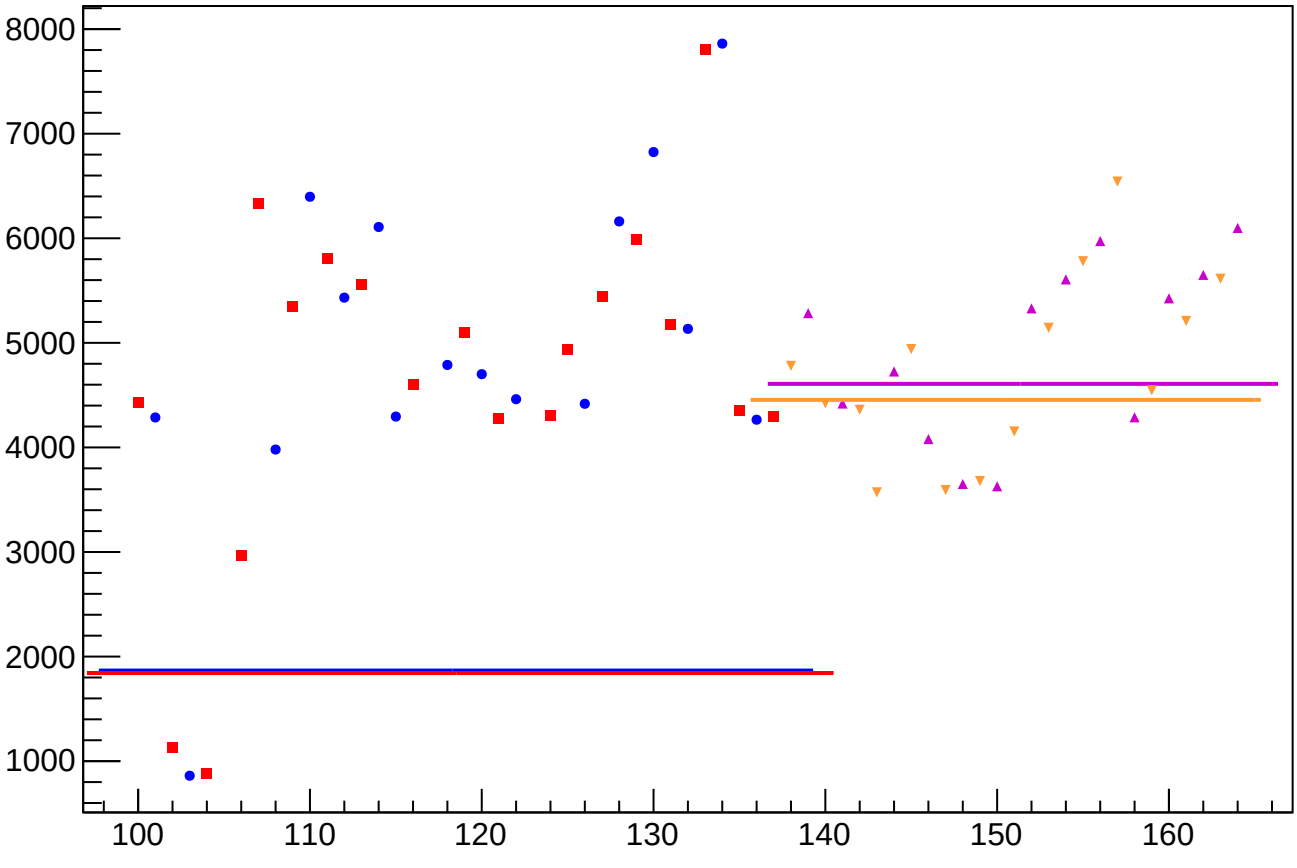
Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1768.970+/-0.294 χ^2/NDF:327377.4/28

Out: 1791.773+/-0.296 χ^2/NDF:474770.2/32

All: 1780.319+/-0.209 χ^2/NDF: 805134.1/61


asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -847.504+/-962.866 χ²/NDF: 13.9/15
Left Out: 533.564+/-1359.588 χ²/NDF:17.2/13
Right Out: -1331.371+/-948.163 χ²/NDF: 14.4/18
Left In: 1117.876+/-1417.655 χ²/NDF:9.5/12
Left: 813.508+/-981.260 χ²/NDF: 26.7/26
Right: -1093.160+/-675.591 χ²/NDF: 28.4/34
In: -227.070+/-796.517 χ²/NDF:24.7/28
Out: -721.142+/-777.718 χ²/NDF:32.8/32
All: -480.005+/-556.457 χ²/NDF: 57.7/61



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4454.831+/-0.961 χ^2/NDF:686101.2/13

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4607.824+/-1.002 χ^2/NDF:653082.4/12

Left: 4528.130+/-0.694 χ^2/NDF: 1351317.2/26

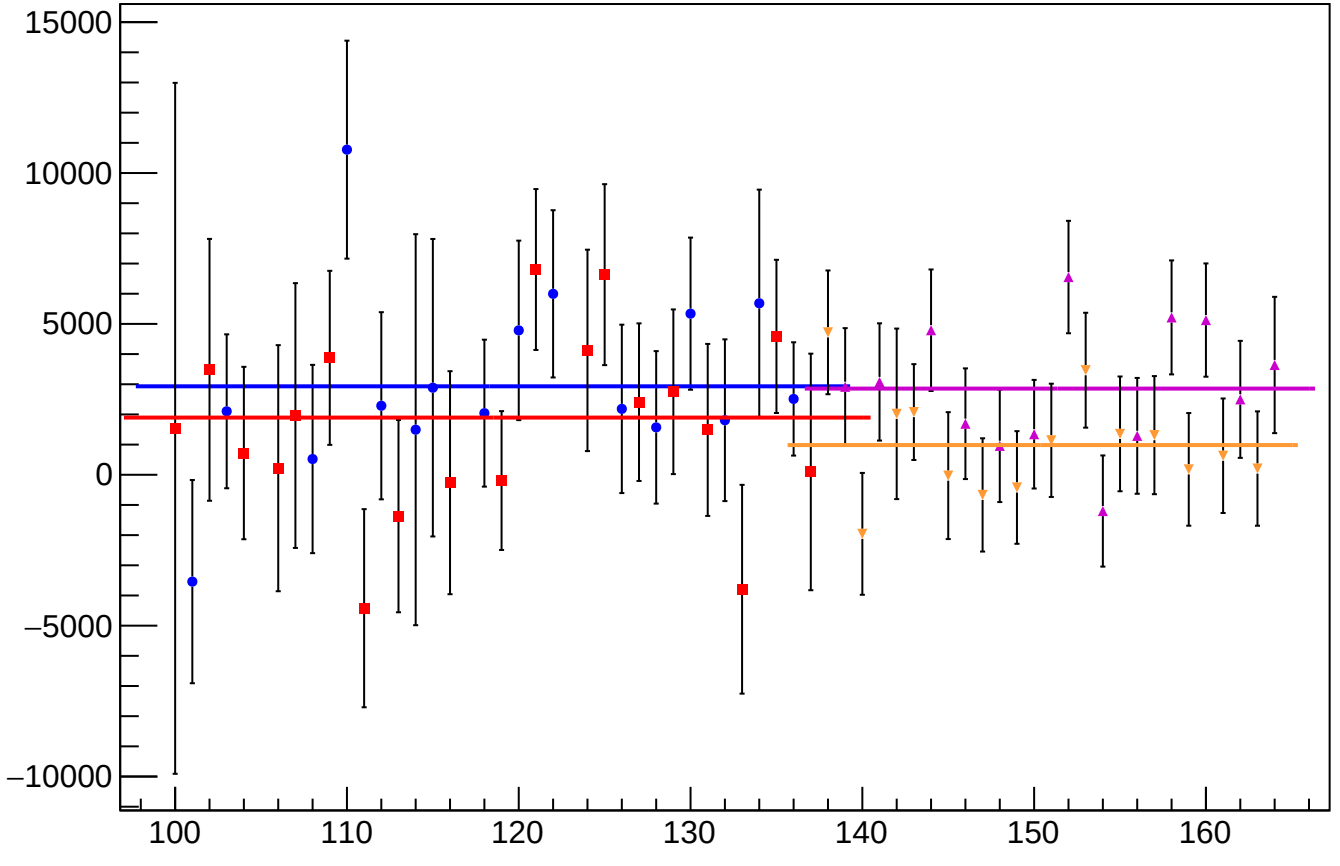
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2731.715+/-0.563 χ^2/NDF:12621690.1/28

Out: 2697.543+/-0.550 χ^2/NDF:12110739.6/32

All: 2714.221+/-0.393 χ^2/NDF: 24734314.2/6

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 984.734+/-516.893 χ^2/NDF:9.8/13

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2856.213+/-530.663 χ^2/NDF:15.7/12

Left: 1895.876+/-370.271 χ^2/NDF: 31.9/26

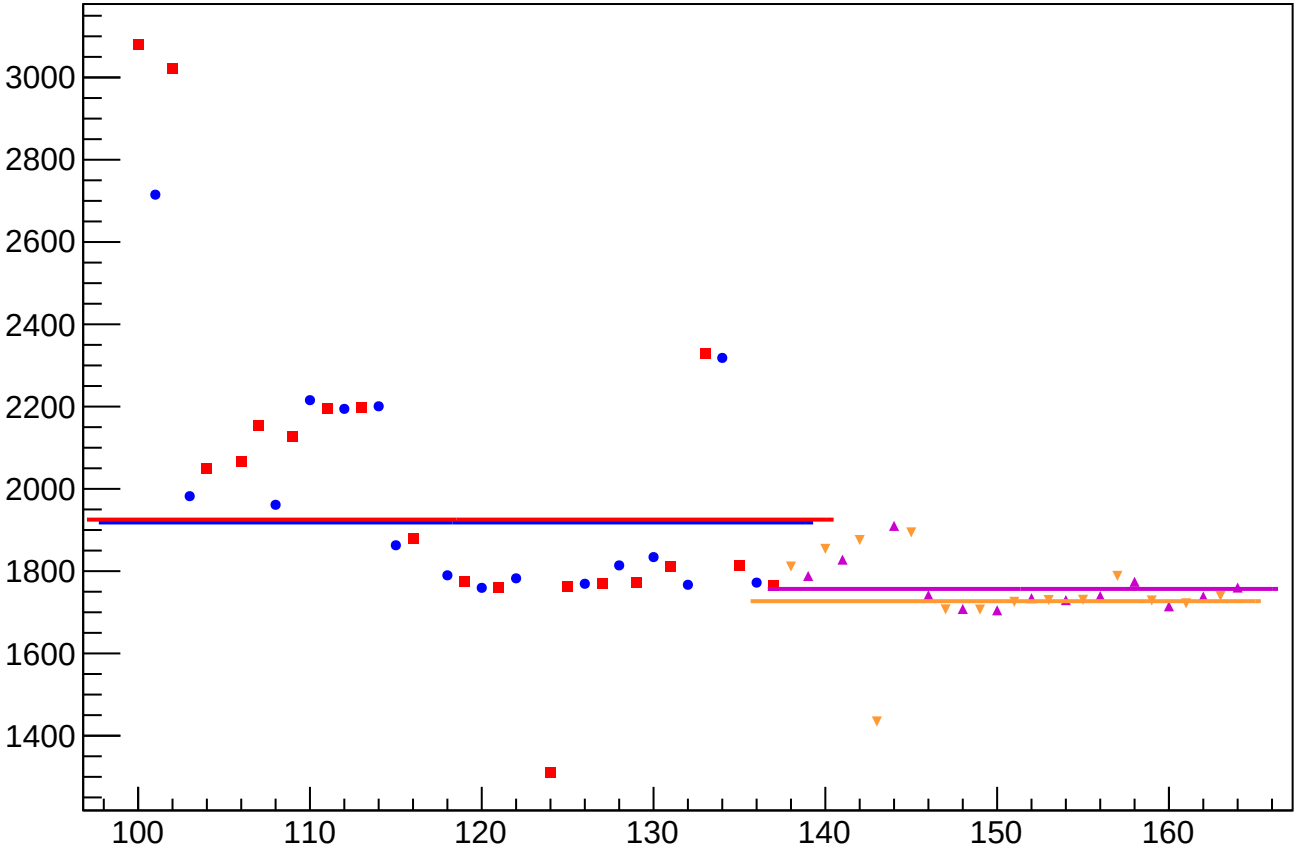
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2882.862+/-426.820 χ^2/NDF:28.7/28

Out: 1293.383+/-420.279 χ^2/NDF:28.2/32

All: 2075.850+/-299.468 χ^2/NDF: 64.0/61

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.013+/-0.365 χ^2/NDF:99846.9/13

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1756.797+/-0.375 χ^2/NDF:20225.7/12

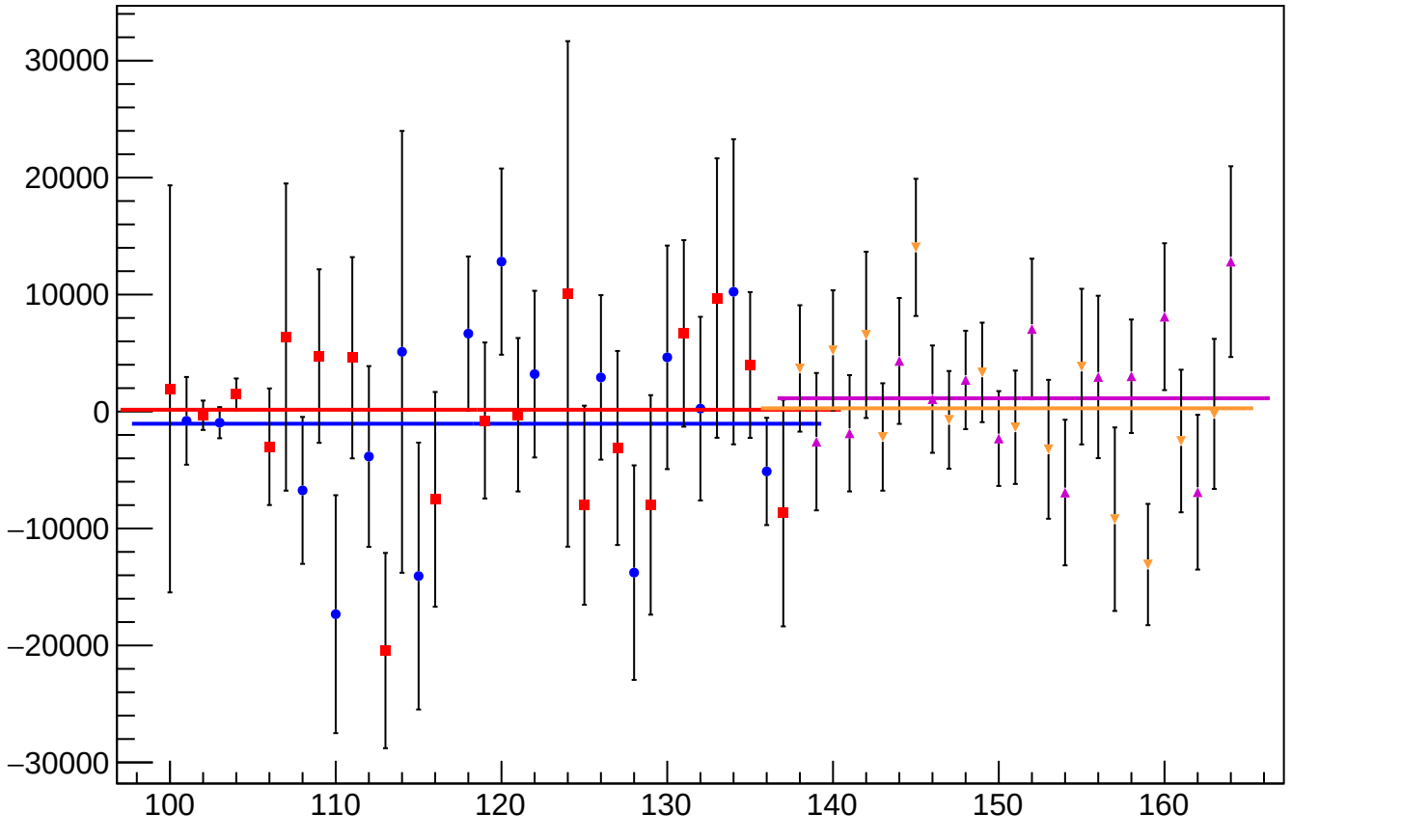
Left: 1741.514+/-0.262 χ^2/NDF: 123305.6/26

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1813.844+/-0.302 χ^2/NDF:301279.9/28

Out: 1794.270+/-0.297 χ^2/NDF:538751.1/32

All: 1803.903+/-0.212 χ^2/NDF: 842167.4/61



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 277.049+/-1444.522 χ^2/NDF:17.5/13

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 1135.320+/-1492.875 χ^2/NDF:9.6/12

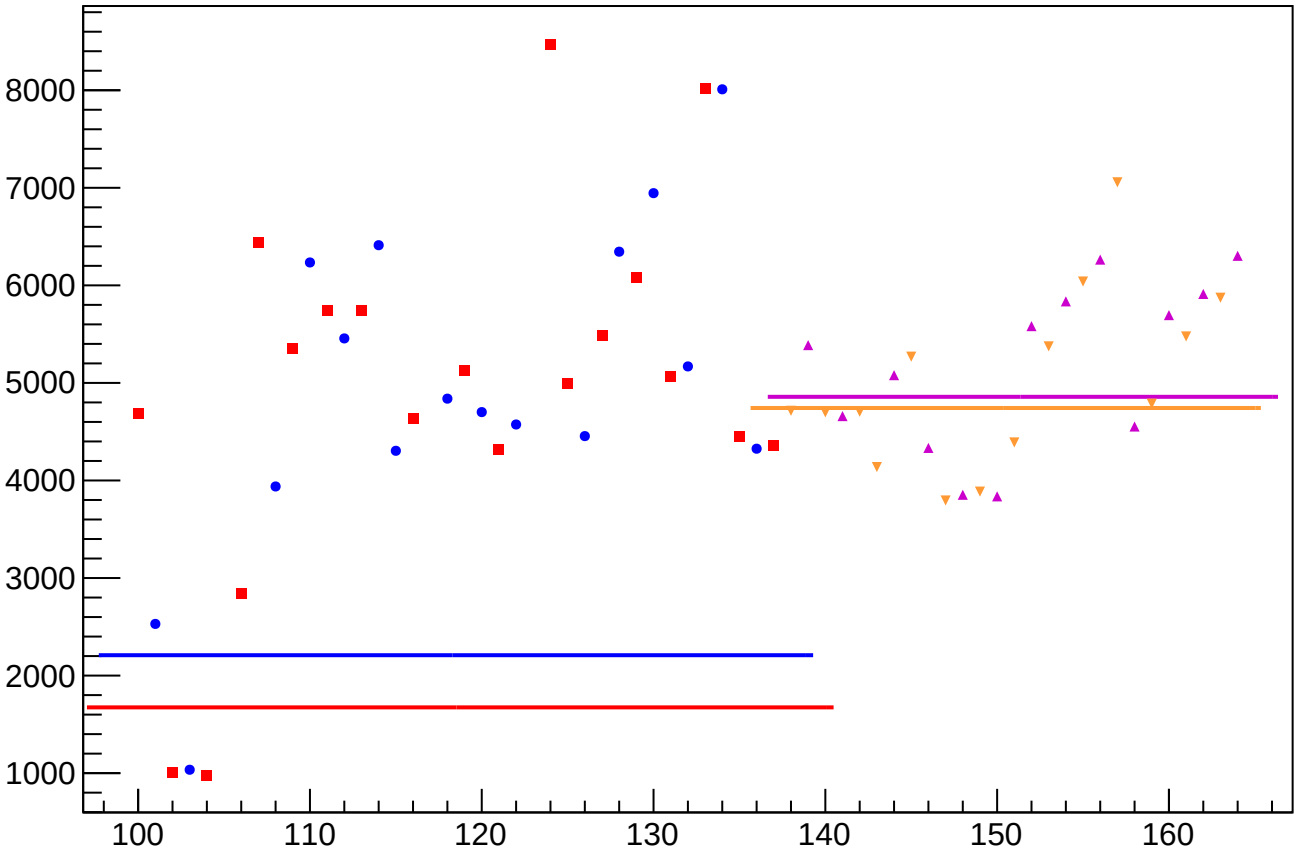
Left: 692.060+/-1038.105 χ^2/NDF: 27.3/26

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -300.822+/-870.976 χ^2/NDF:24.9/28

Out: 184.569+/-723.339 χ^2/NDF:31.3/32

All: -13.560+/-556.461 χ^2/NDF: 56.3/61



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4743.040+/-1.021 χ^2/NDF:609675.0/13

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4857.510+/-1.056 χ^2/NDF:606978.1/12

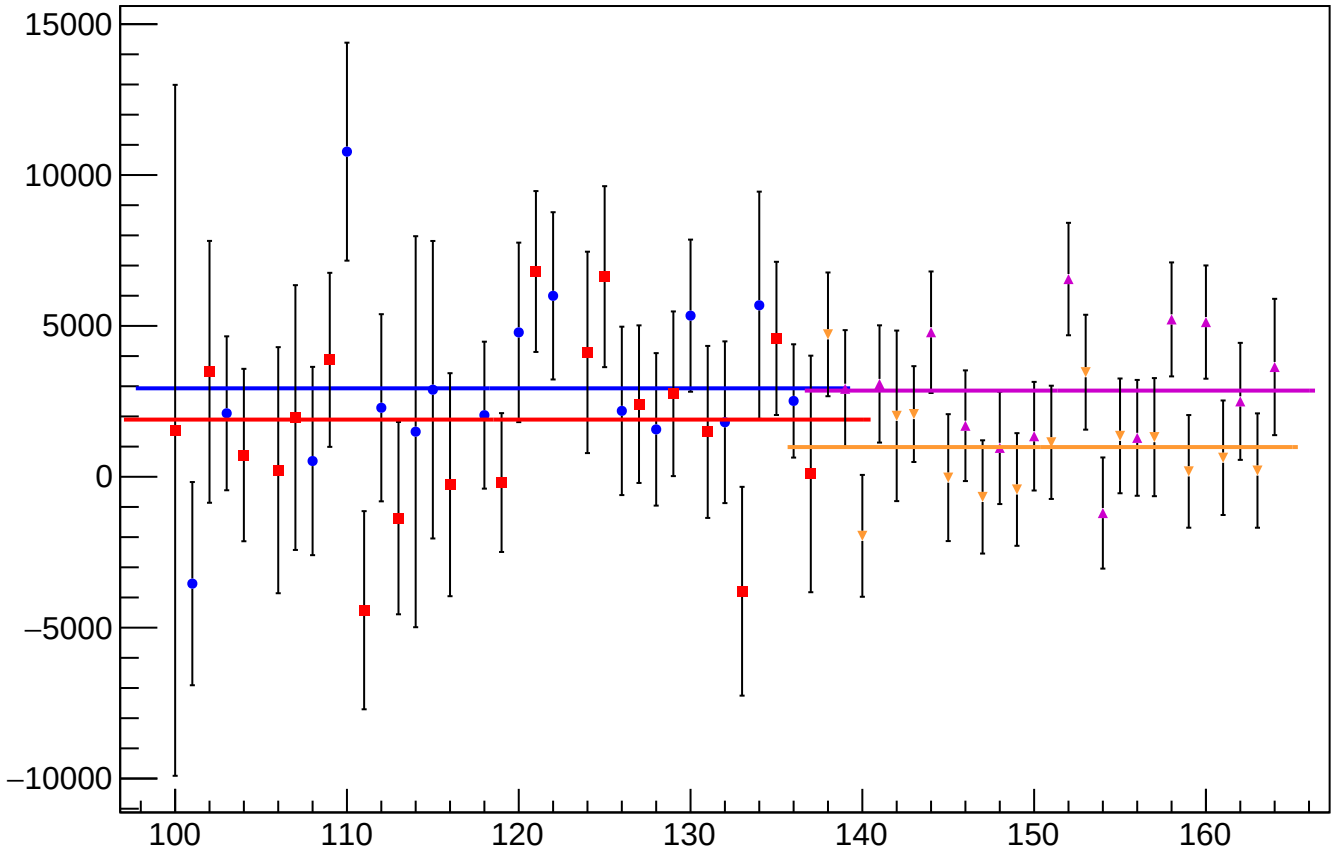
Left: 4798.391+/-0.734 χ^2/NDF: 1222725.9/26

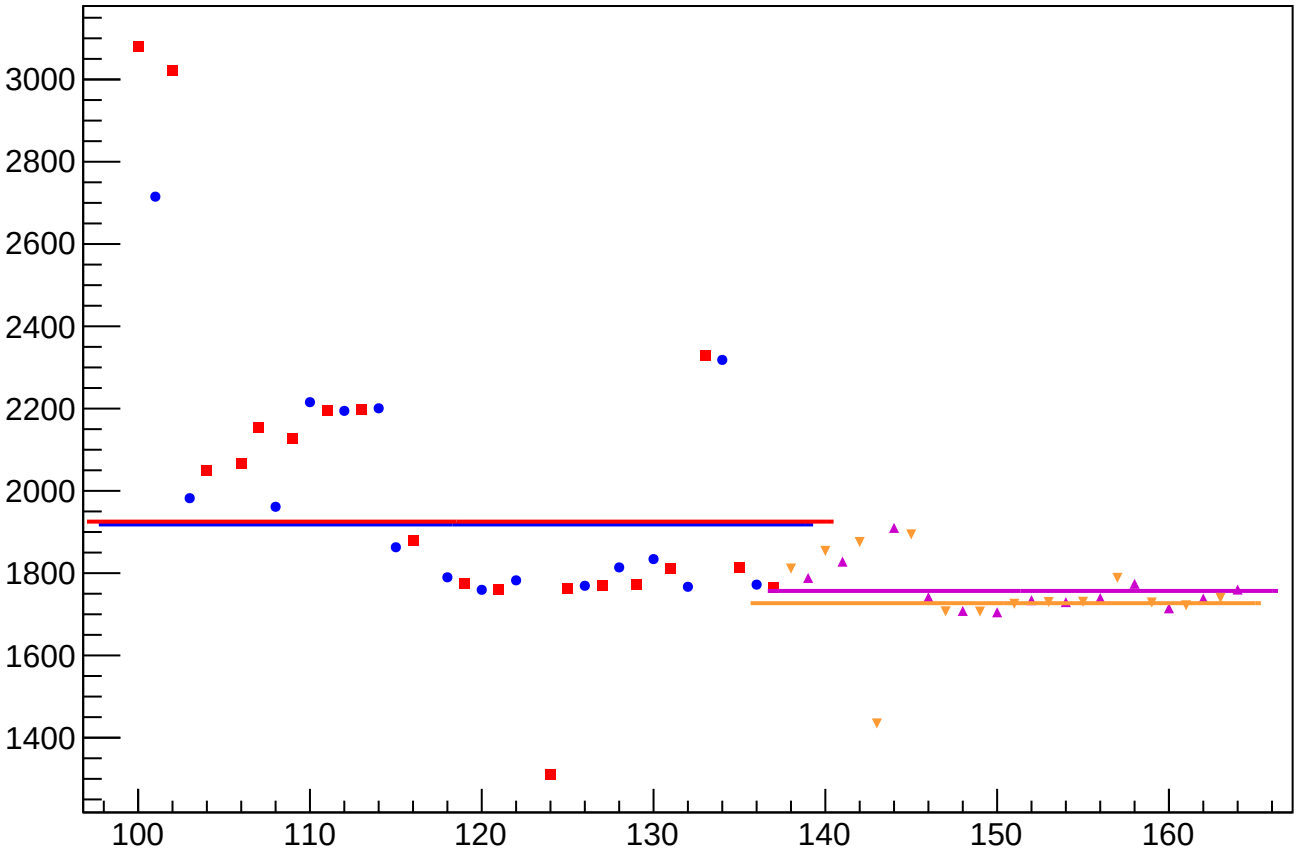
Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3110.443+/-0.616 χ^2/NDF:10258476.6/28

Out: 2443.672+/-0.511 χ^2/NDF:14226358.5/32

All: 2715.838+/-0.393 χ^2/NDF: 25178511.9/6


eigen_dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 2931.693+/-718.305 χ²/NDF: 13.0/15
Left Out: 984.723+/-516.893 χ²/NDF:9.8/13
Right Out: 1895.508+/-721.953 χ²/NDF: 17.4/18
Left In: 2856.215+/-530.664 χ²/NDF:15.7/12
Left: 1895.872+/-370.271 χ²/NDF: 31.9/26
Right: 2416.225+/-509.203 χ²/NDF: 31.4/34
In: 2882.865+/-426.820 χ²/NDF:28.7/28
Out: 1293.378+/-420.279 χ²/NDF:28.2/32
All: 2075.849+/-299.468 χ²/NDF: 64.0/61



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.014+/-0.365 χ^2/NDF:99846.0/13

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1756.798+/-0.375 χ^2/NDF:20225.6/12

Left: 1741.515+/-0.262 χ^2/NDF: 123304.6/26

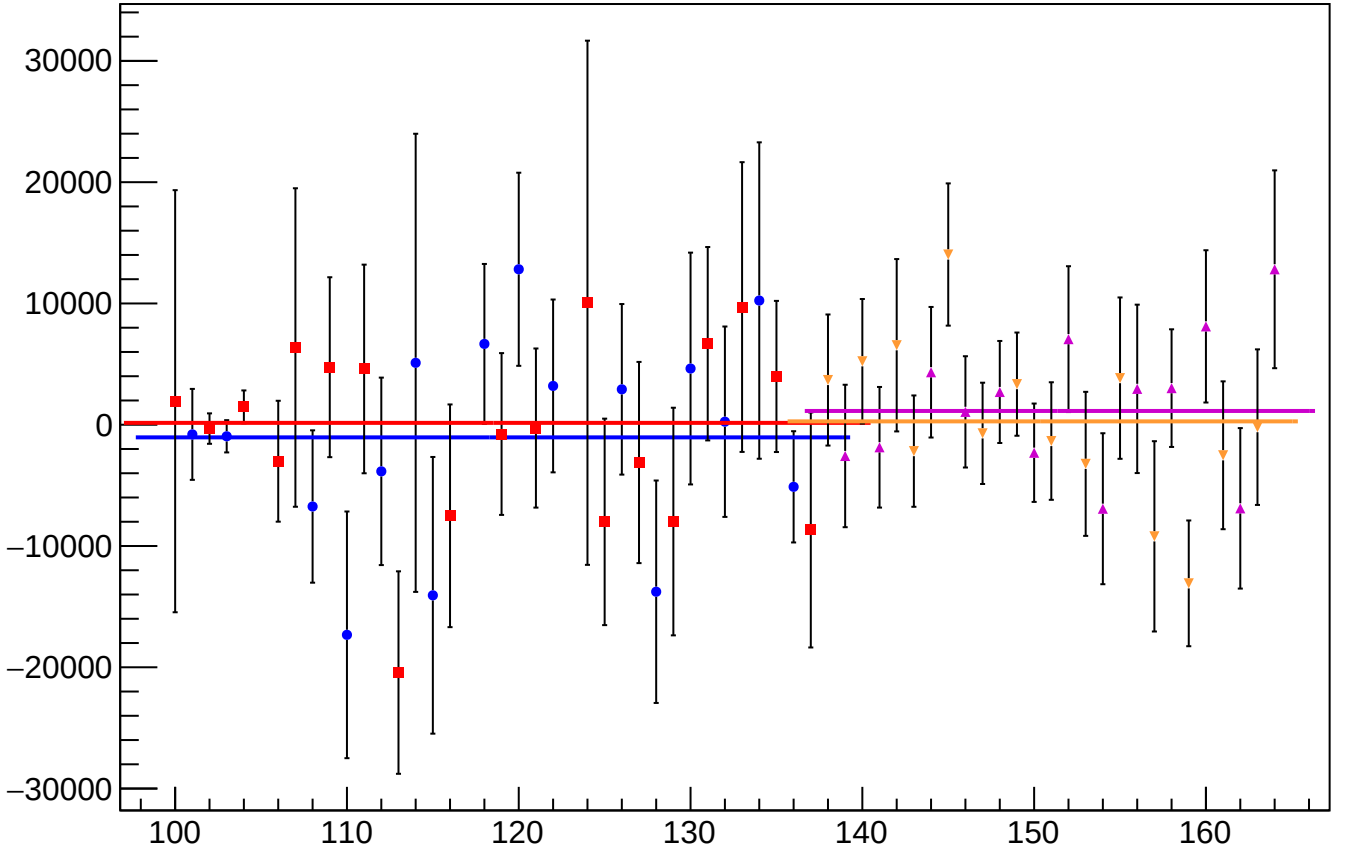
Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1813.845+/-0.302 χ^2/NDF:301278.5/28

Out: 1794.270+/-0.297 χ^2/NDF:538747.4/32

All: 1803.904+/-0.212 χ^2/NDF: 842162.2/61

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 277.045+/-1444.524 χ^2/NDF:17.5/13

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 1135.317+/-1492.878 χ^2/NDF:9.6/12

Left: 692.057+/-1038.106 χ^2/NDF: 27.3/26

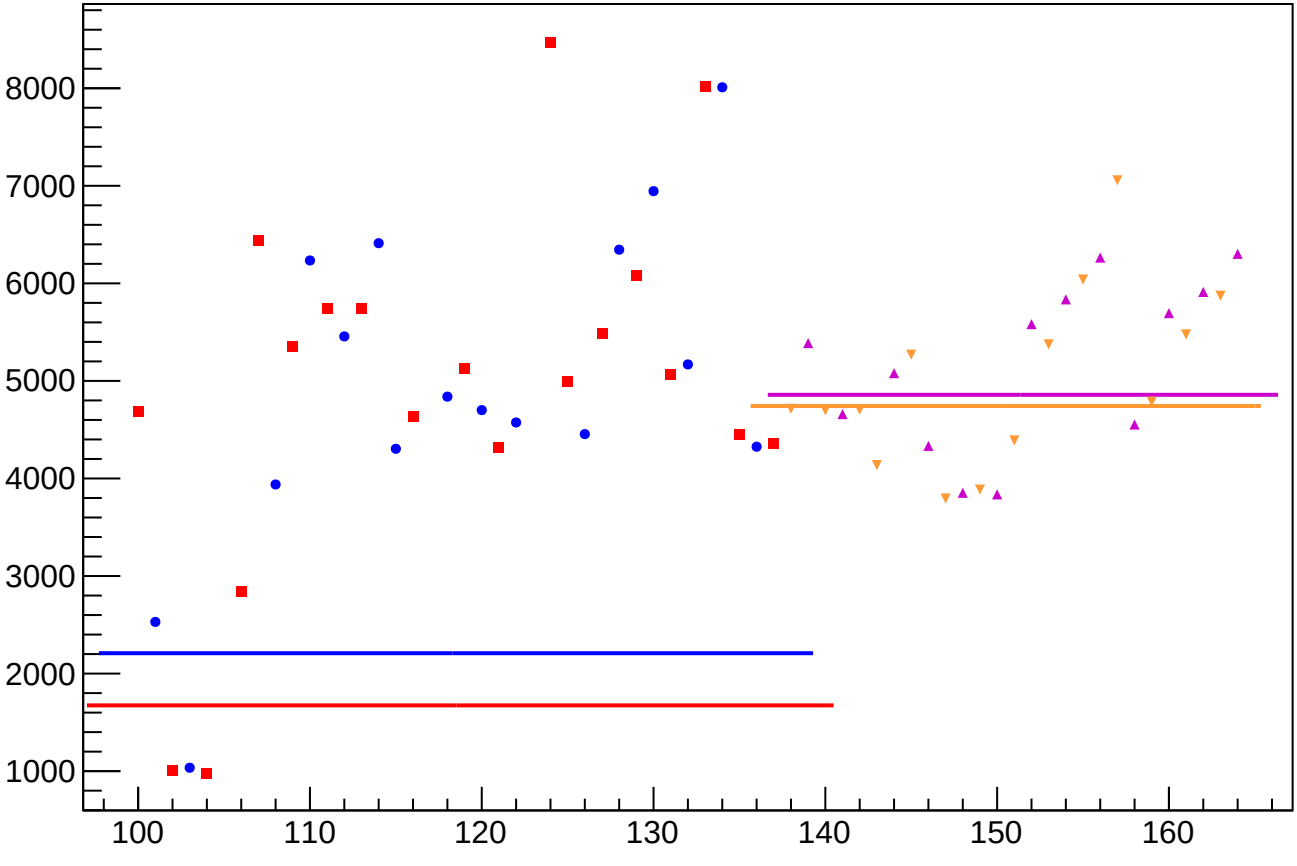
Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -300.823+/-870.976 χ^2/NDF:24.9/28

Out: 184.564+/-723.339 χ^2/NDF:31.3/32

All: -13.564+/-556.461 χ^2/NDF: 56.3/61

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: 4743.048+/-1.021 χ^2/NDF:609674.5/13

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4857.517+/-1.056 χ^2/NDF:606977.6/12

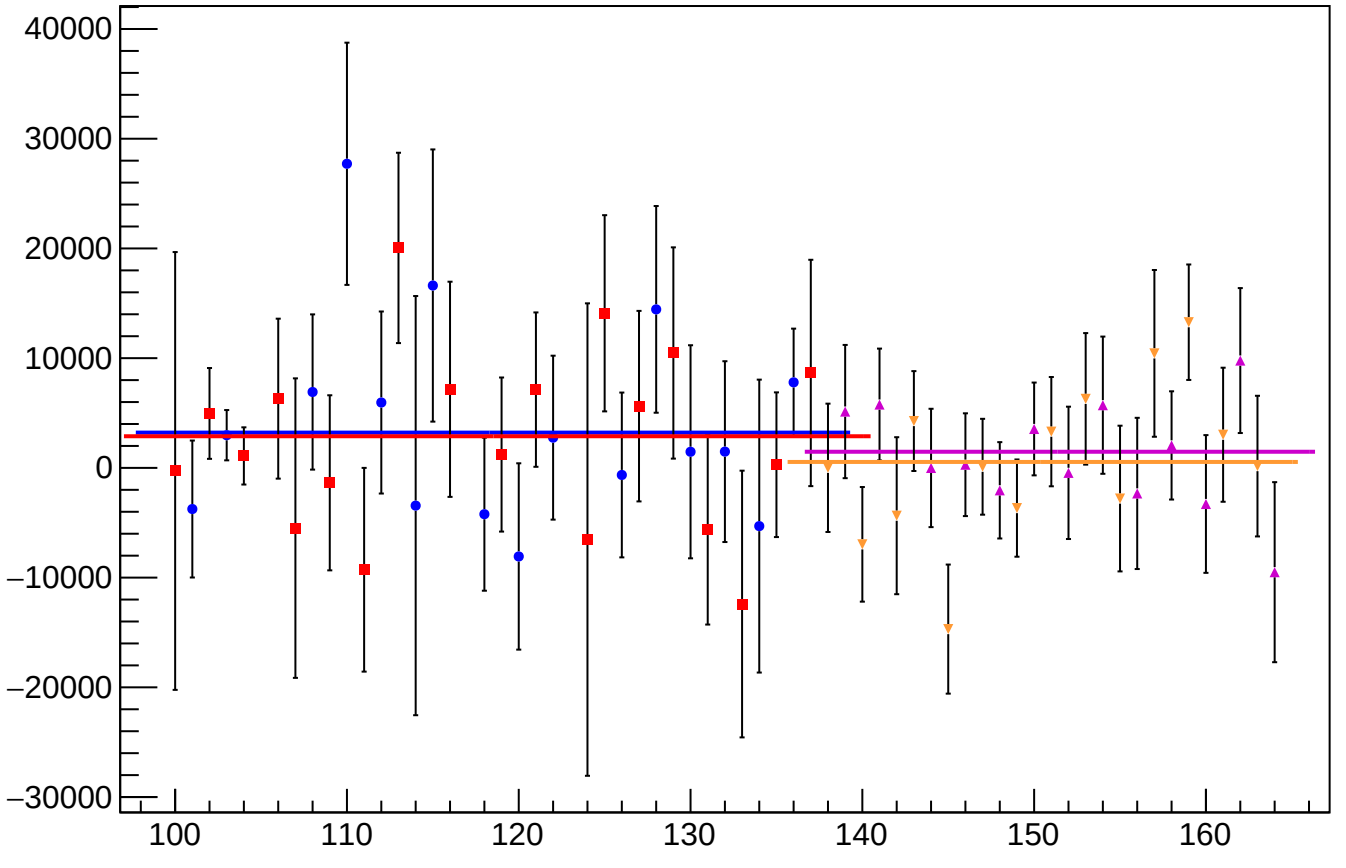
Left: 4798.399+/-0.734 χ^2/NDF: 1222725.0/26

Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3110.443+/-0.616 χ^2/NDF:10258488.8/28

Out: 2443.672+/-0.511 χ^2/NDF:14226370.4/32

All: 2715.838+/-0.393 χ^2/NDF: 25178536.3/6



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 541.641+/-1472.270 χ^2/NDF:20.0/13

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 1470.958+/-1521.866 χ^2/NDF:6.9/12

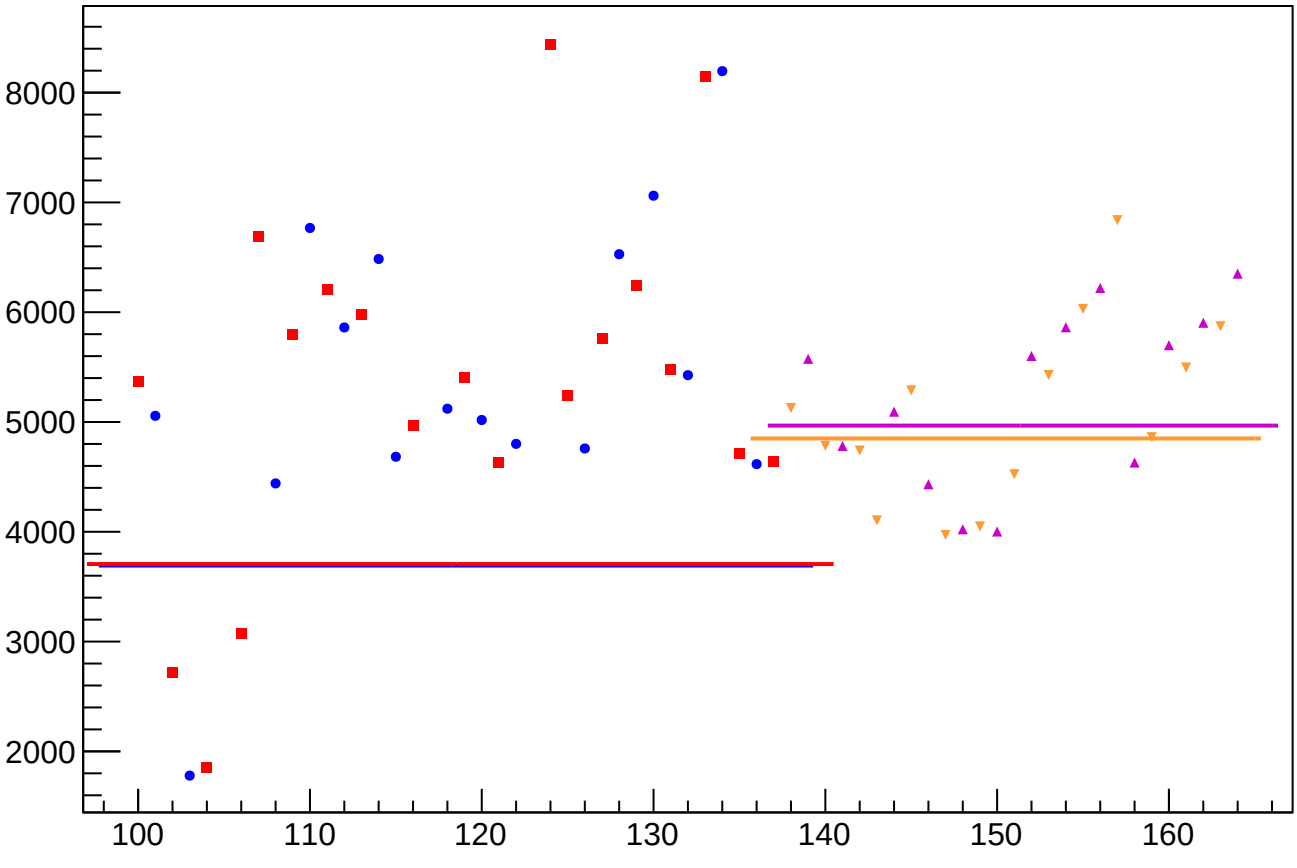
Left: 990.910+/-1058.151 χ^2/NDF: 27.2/26

Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2333.412+/-1082.220 χ^2/NDF:21.4/28

Out: 1650.742+/-1068.166 χ^2/NDF:34.6/32

All: 1987.615+/-760.227 χ^2/NDF: 56.2/61



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4849.989+/-1.041 χ^2/NDF:516981.4/13

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4967.140+/-1.076 χ^2/NDF:509349.8/12

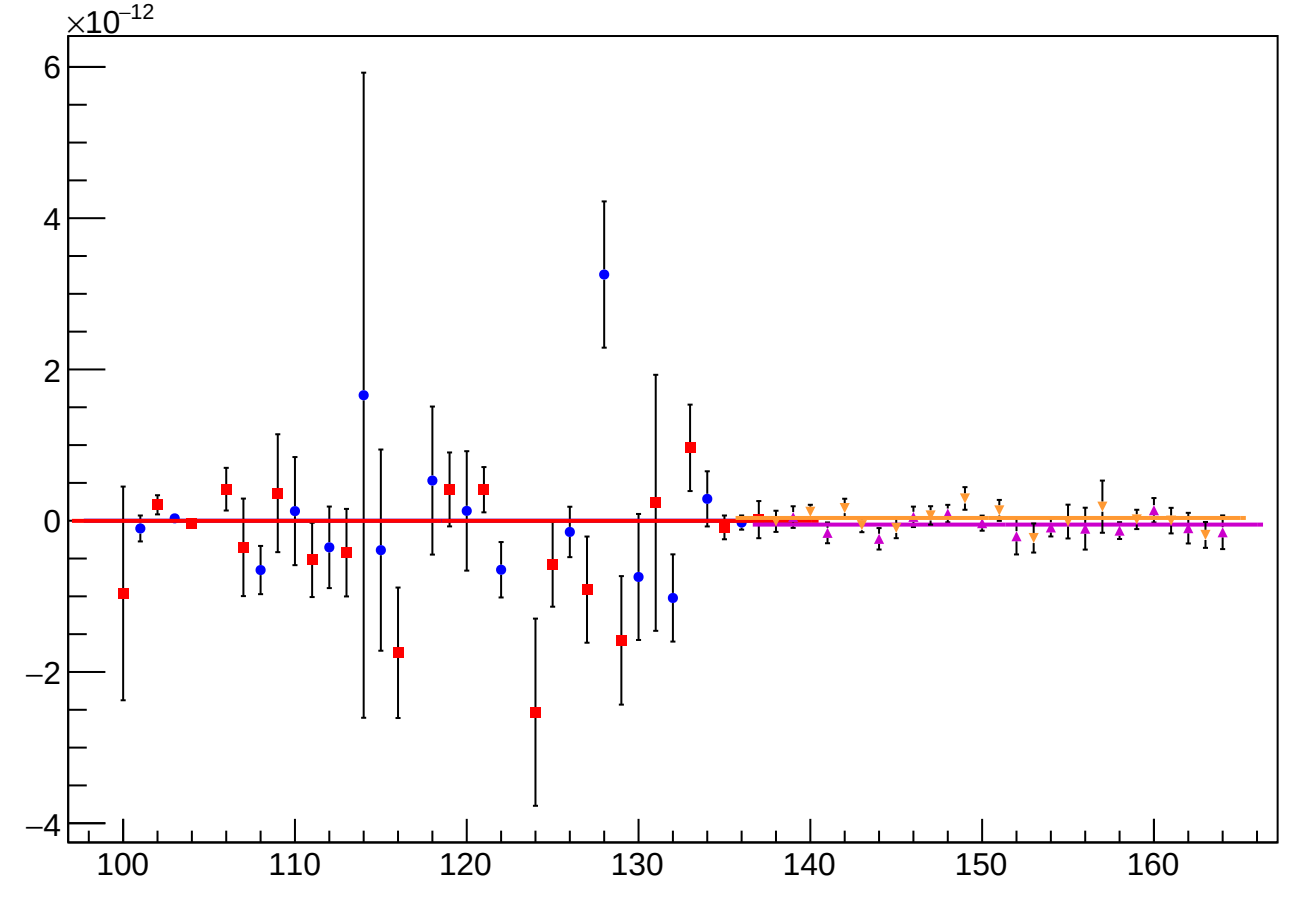
Left: 4906.624+/-0.748 χ^2/NDF: 1032453.2/26

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4337.219+/-0.765 χ^2/NDF:4088183.1/28

Out: 4302.491+/-0.752 χ^2/NDF:3779377.5/32

All: 4319.545+/-0.536 χ^2/NDF: 7868608.7/61



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/12

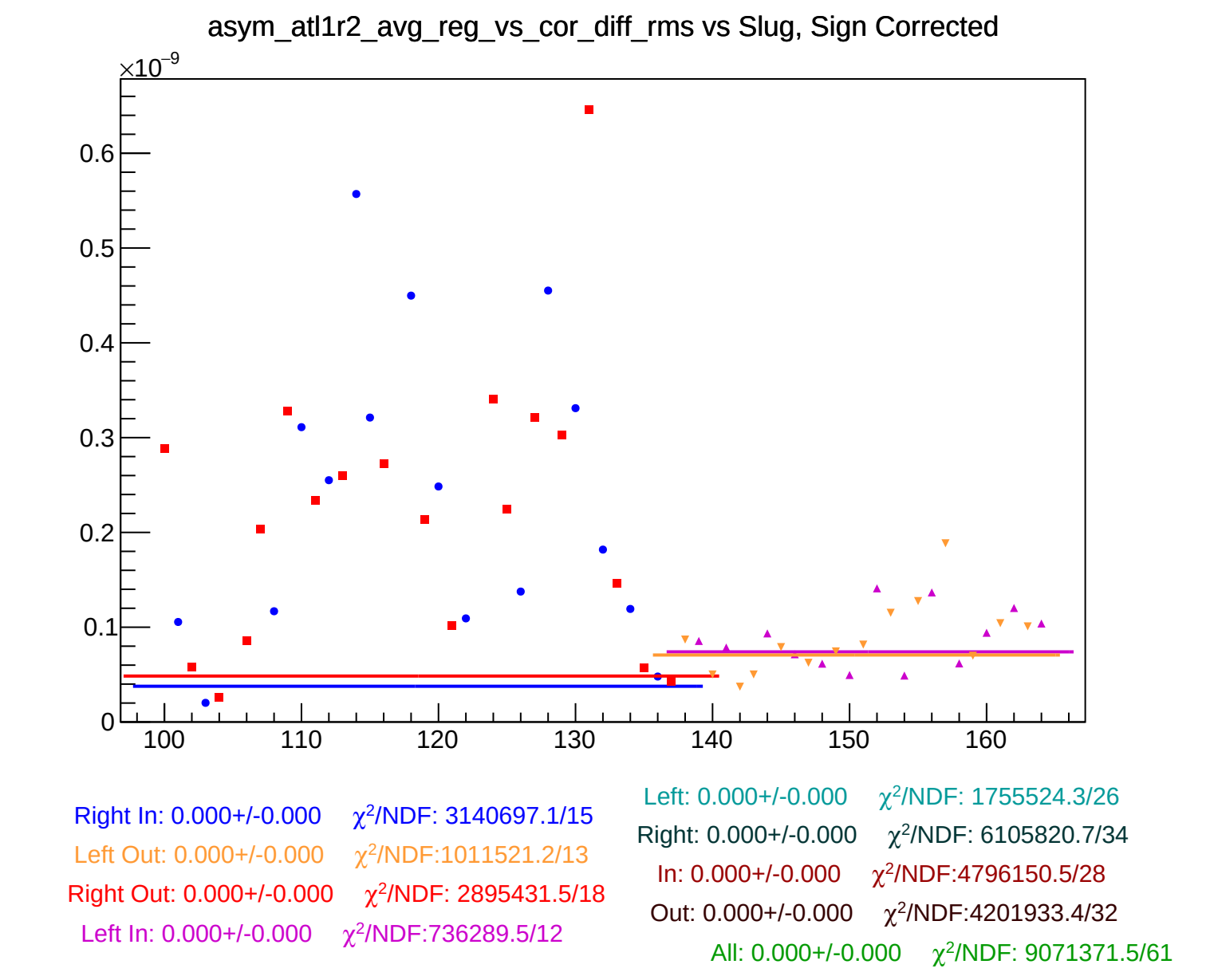
Left: -0.000+/-0.000 χ^2/NDF: 21.9/26

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

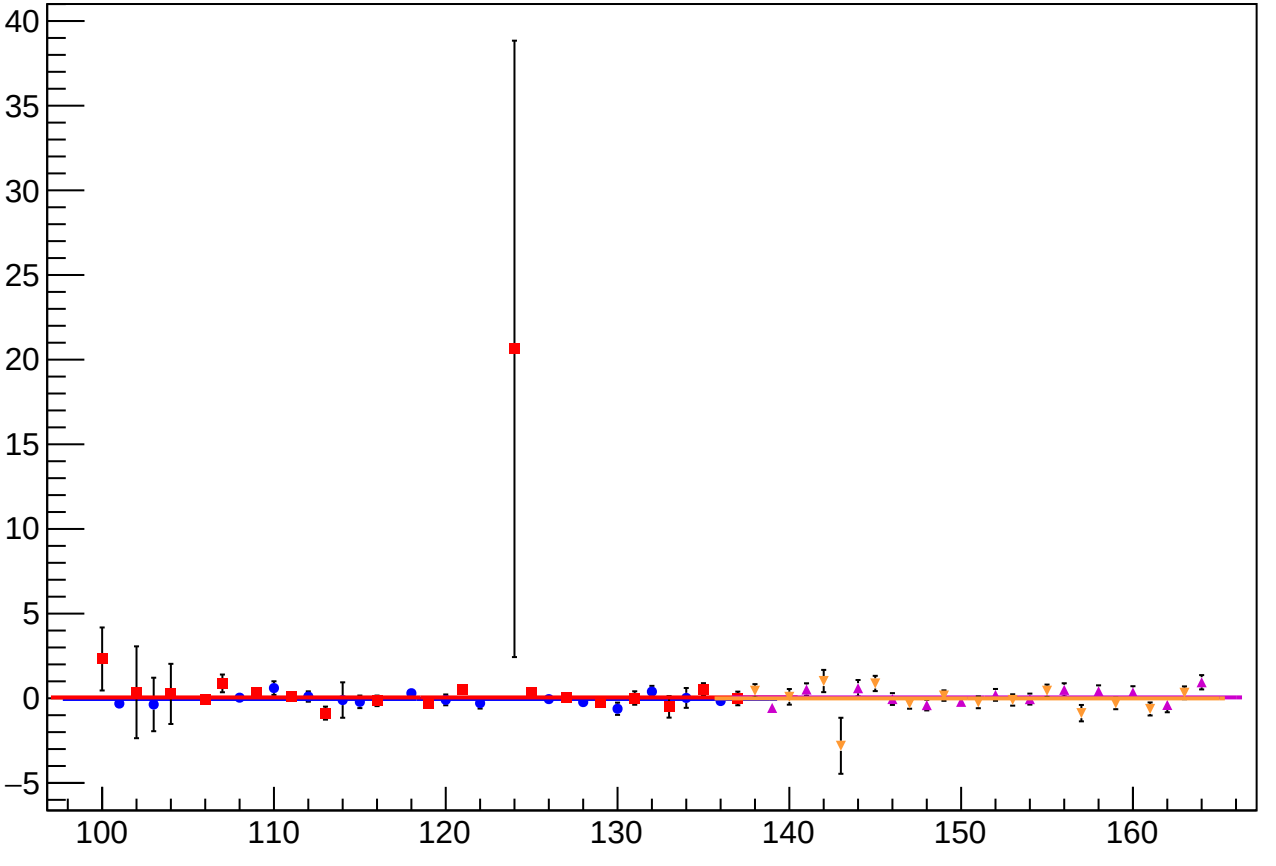
In: -0.000+/-0.000 χ^2/NDF:34.1/28

Out: 0.000+/-0.000 χ^2/NDF:40.1/32

All: -0.000+/-0.000 χ^2/NDF: 75.5/61


asym_atl1r2_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
160
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1011521.2/13
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:736289.5/12
Left: 0.000+/-0.000 χ²/NDF: 1755524.3/26
Right: 0.000+/-0.000 χ²/NDF: 6105820.7/34
In: 0.000+/-0.000 χ²/NDF:4796150.5/28
Out: 0.000+/-0.000 χ²/NDF:4201933.4/32
All: 0.000+/-0.000 χ²/NDF: 9071371.5/61

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: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.051+/-0.097 χ^2/NDF:19.9/12

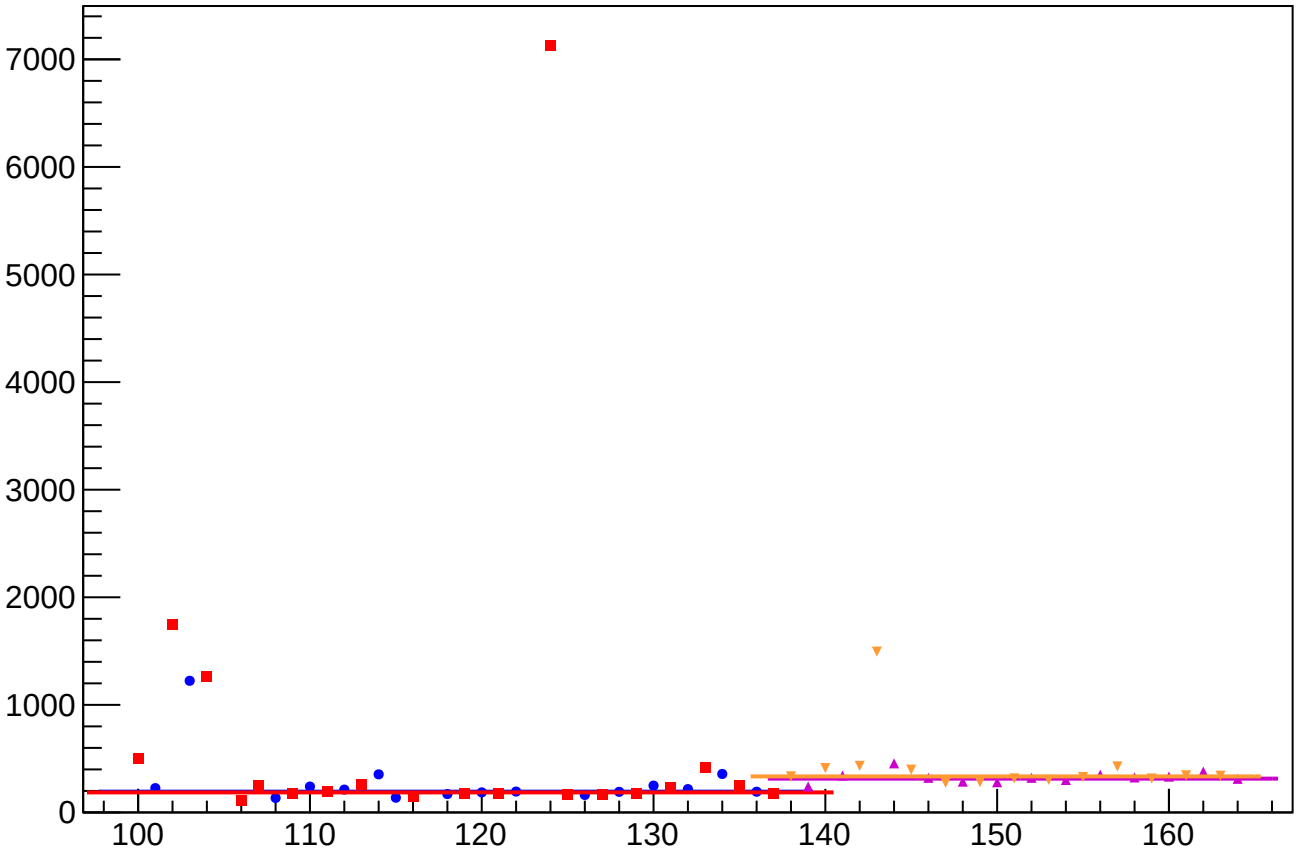
Left: 0.024+/-0.071 χ^2/NDF: 41.2/26

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.005+/-0.061 χ^2/NDF:32.1/28

Out: 0.029+/-0.063 χ^2/NDF:44.4/32

All: 0.011+/-0.044 χ^2/NDF: 76.7/61



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 335.077+/-0.074 χ^2/NDF:1362696.4/13

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 314.352+/-0.069 χ^2/NDF:443922.5/12

Left: 323.954+/-0.050 χ^2/NDF: 1848692.6/26

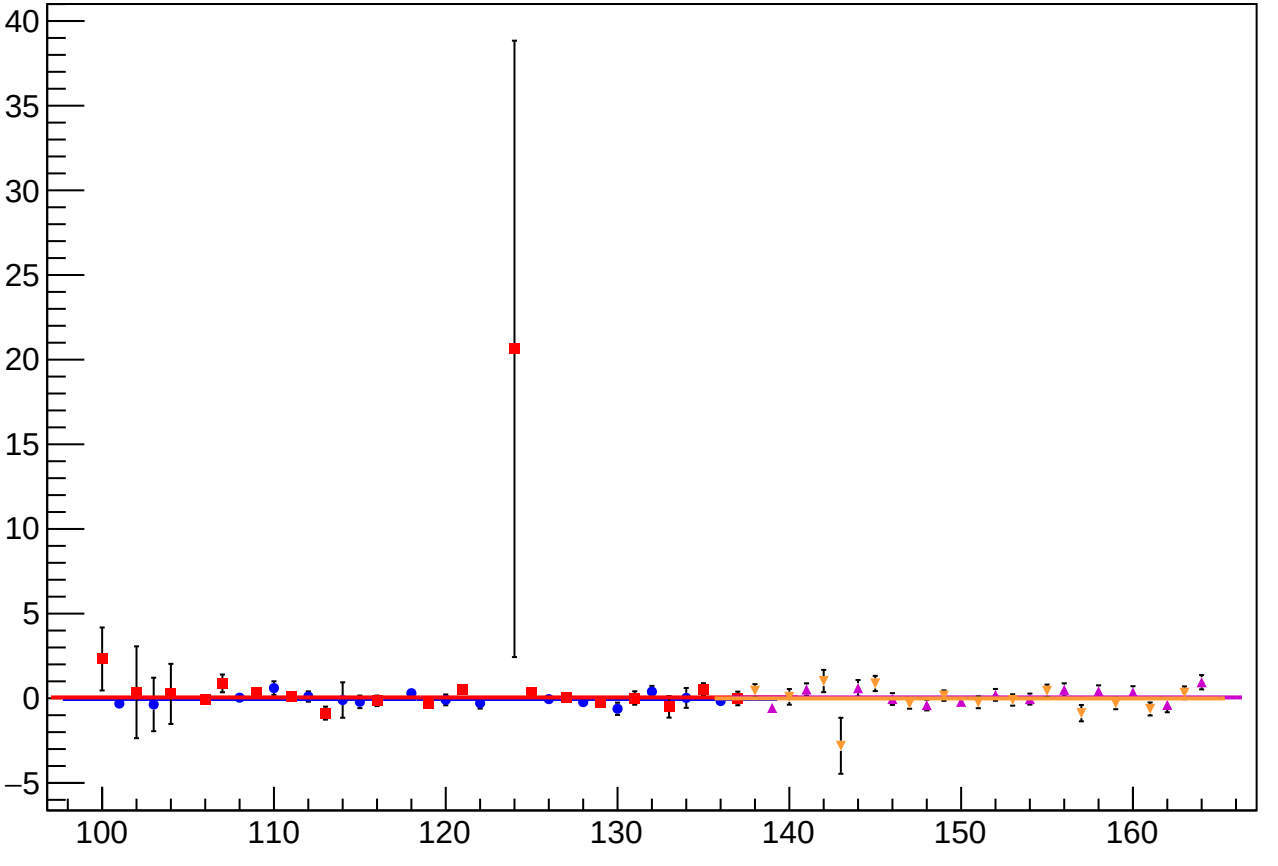
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 240.466+/-0.043 χ^2/NDF:3743963.9/28

Out: 240.153+/-0.045 χ^2/NDF:6417879.0/32

All: 240.315+/-0.031 χ^2/NDF: 10161868.5/61

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: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.051+/-0.097 χ^2/NDF:19.9/12

Left: 0.024+/-0.071 χ^2/NDF: 41.2/26

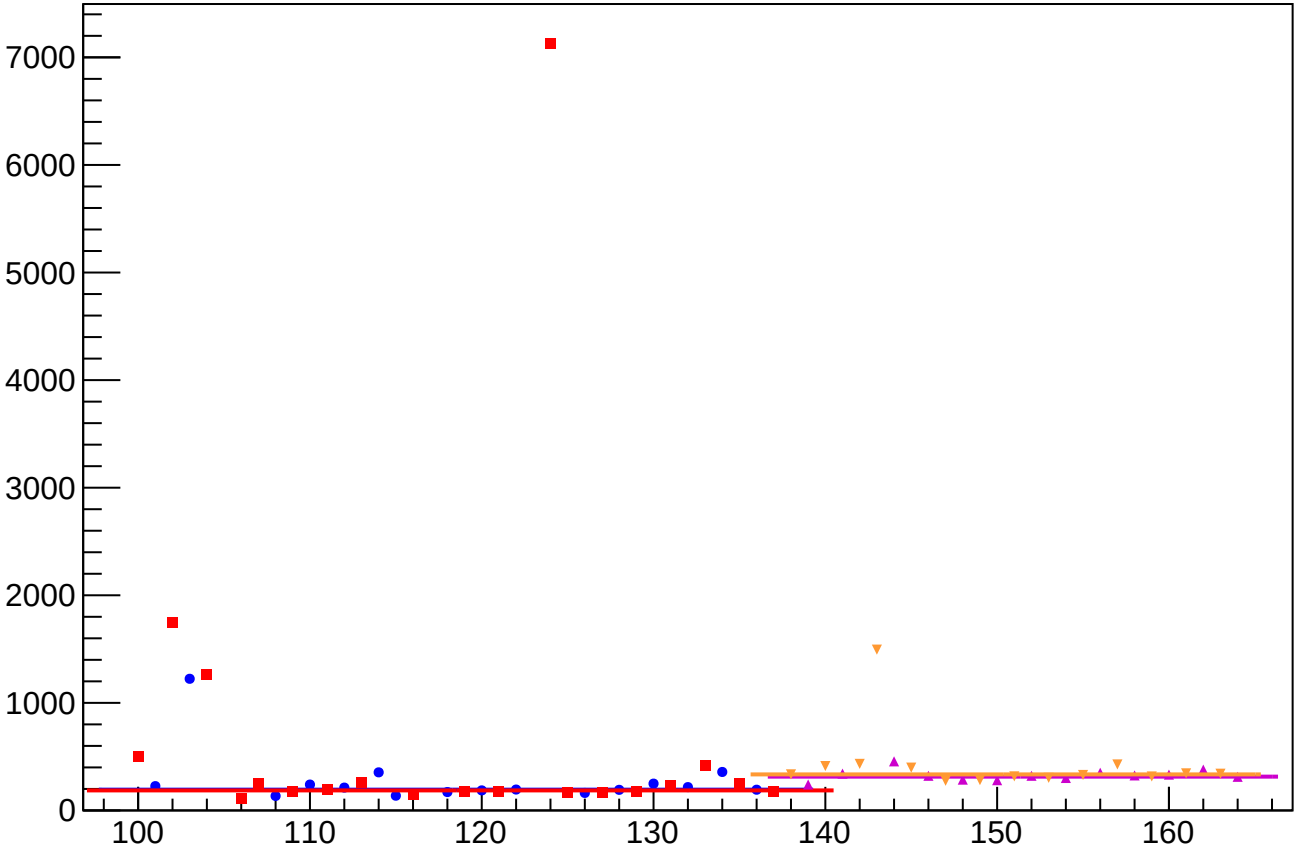
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.005+/-0.061 χ^2/NDF:32.1/28

Out: 0.029+/-0.063 χ^2/NDF:44.4/32

All: 0.011+/-0.044 χ^2/NDF: 76.7/61

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: 335.077+/-0.074 χ^2/NDF:1362696.4/13

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 314.352+/-0.069 χ^2/NDF:443922.5/12

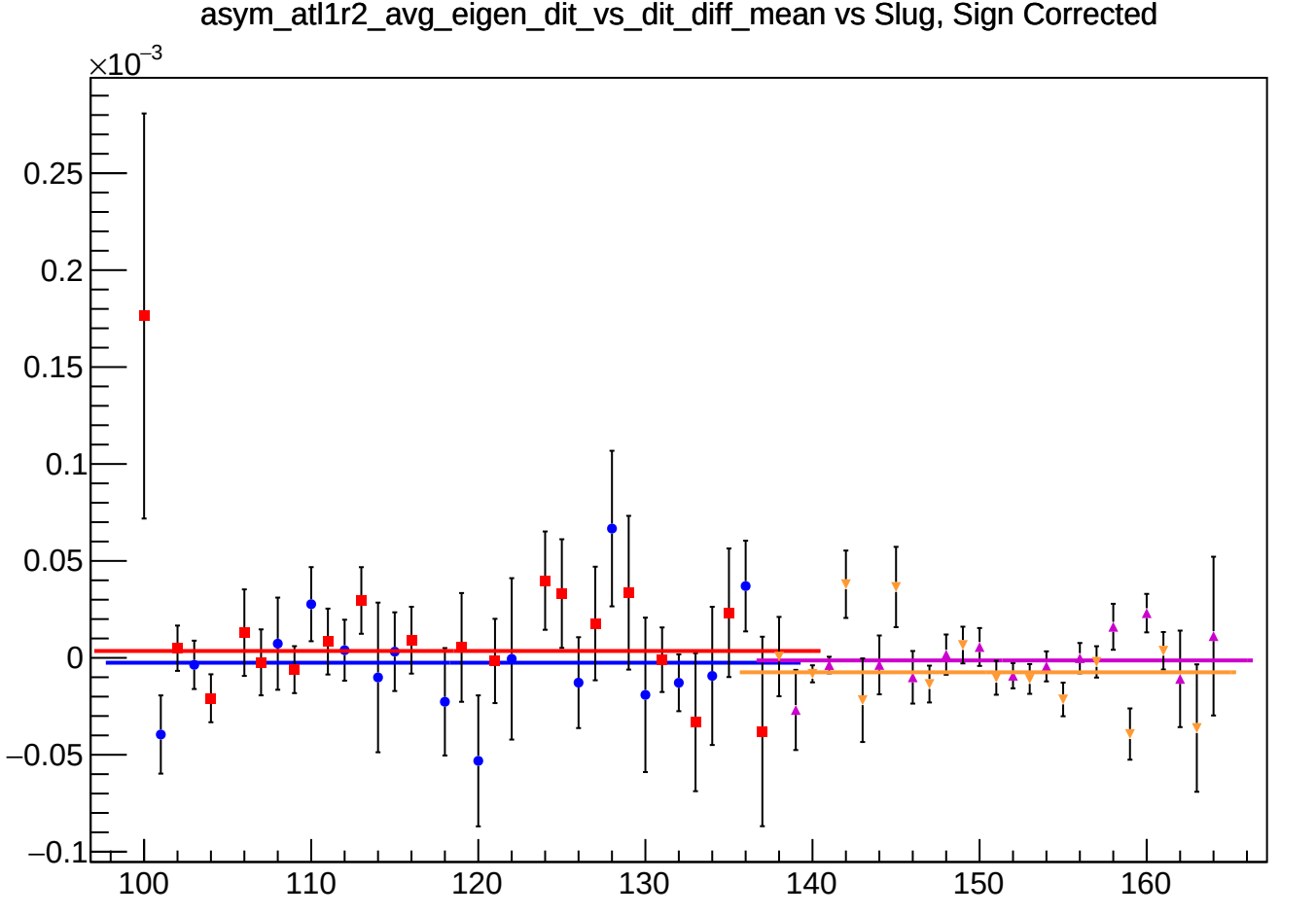
Left: 323.954+/-0.050 χ^2/NDF: 1848692.6/26

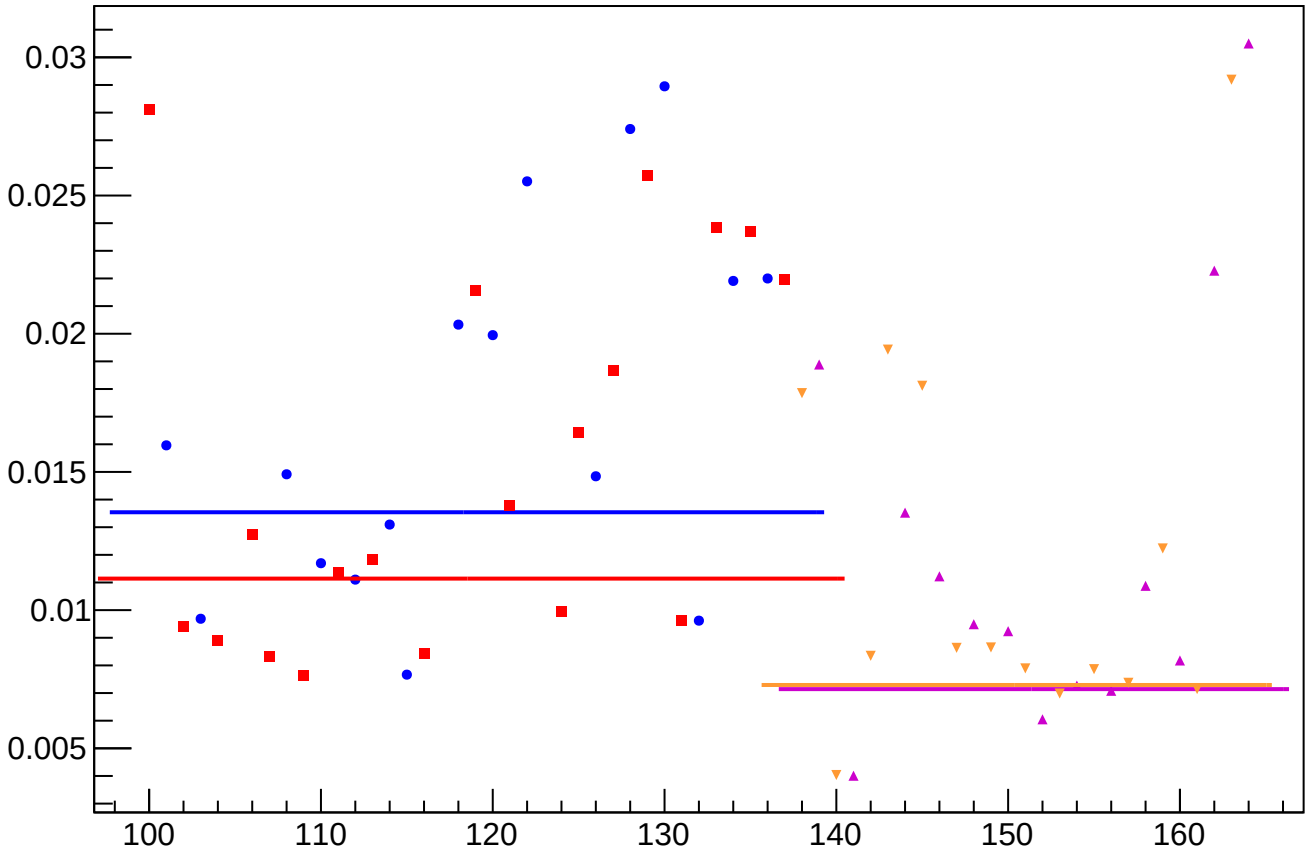
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 240.466+/-0.043 χ^2/NDF:3743963.9/28

Out: 240.153+/-0.045 χ^2/NDF:6417879.0/32

All: 240.315+/-0.031 χ^2/NDF: 10161868.5/61


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
160
Right In: -0.000+/-0.000 χ²/NDF: 15.8/15
Left Out: -0.000+/-0.000 χ²/NDF:25.8/13
Right Out: 0.000+/-0.000 χ²/NDF: 16.3/18
Left In: -0.000+/-0.000 χ²/NDF:12.9/12
Left: -0.000+/-0.000 χ²/NDF: 41.8/26
Right: 0.000+/-0.000 χ²/NDF: 32.9/34
In: -0.000+/-0.000 χ²/NDF:28.8/28
Out: -0.000+/-0.000 χ²/NDF:46.8/32
All: -0.000+/-0.000 χ²/NDF: 76.7/61



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:4086446.7/13

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:4121099.7/12

Left: 0.007+/-0.000 χ^2/NDF: 8211168.4/26

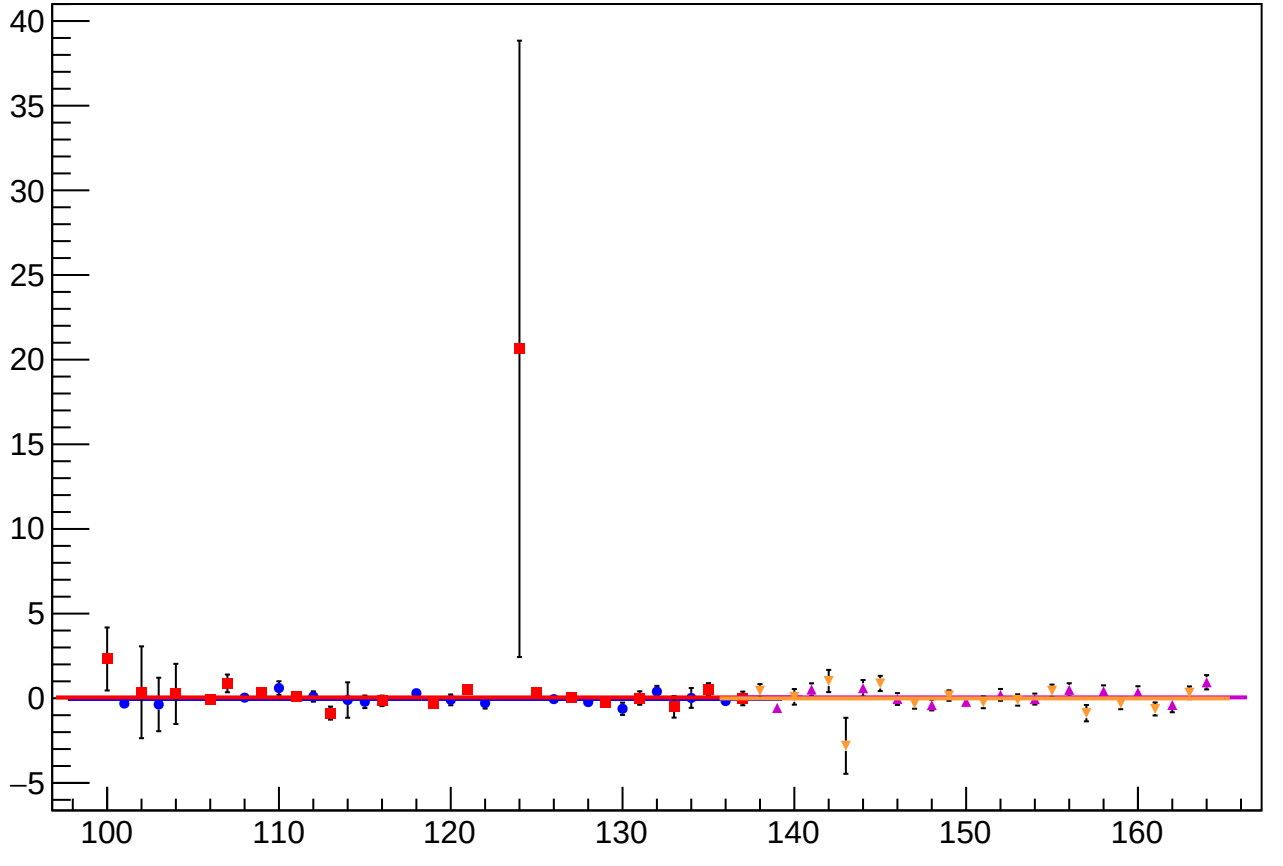
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:8281437.8/28

Out: 0.008+/-0.000 χ^2/NDF:7106163.8/32

All: 0.008+/-0.000 χ^2/NDF: 15387747.5/61

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: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.051+/-0.097 χ^2/NDF:19.9/12

Left: 0.024+/-0.071 χ^2/NDF: 41.2/26

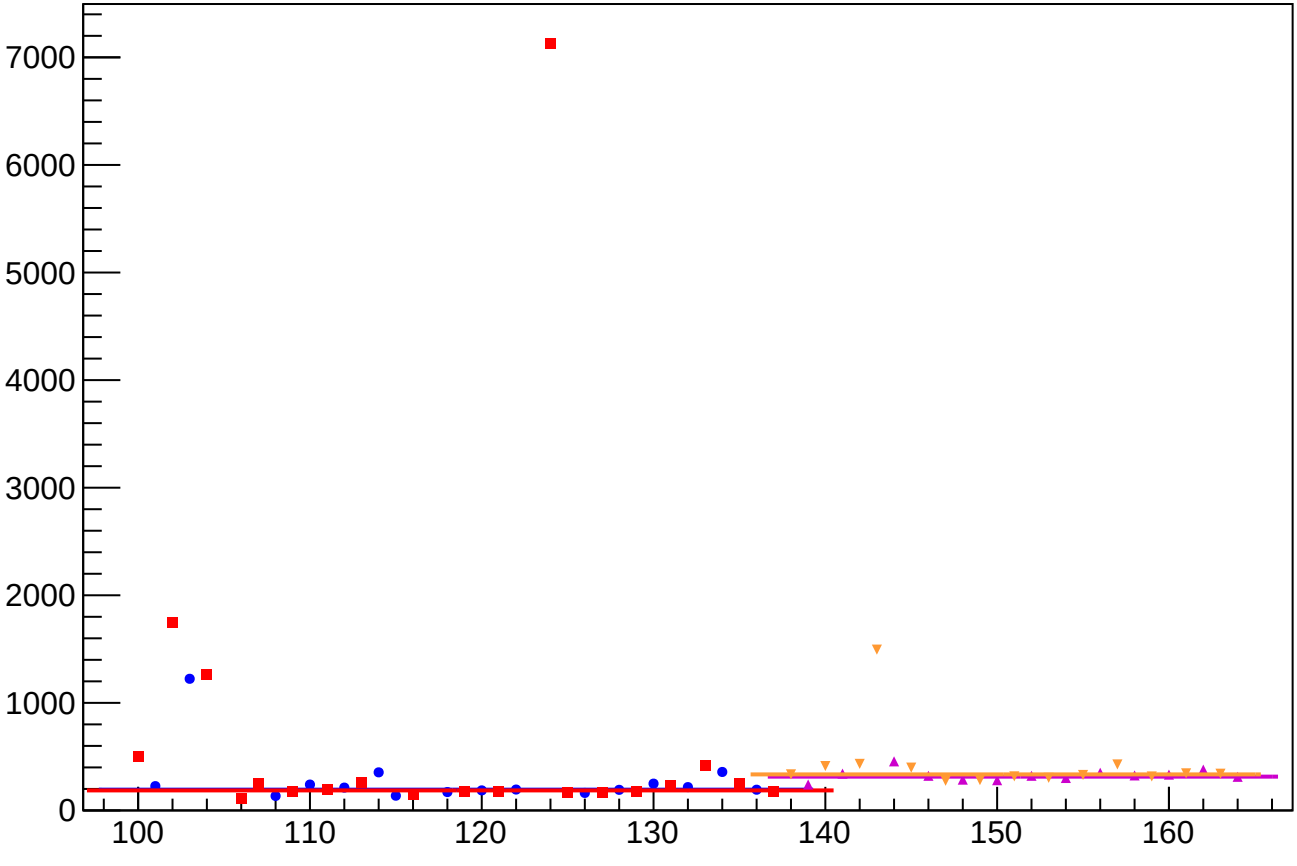
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.005+/-0.061 χ^2/NDF:32.1/28

Out: 0.029+/-0.063 χ^2/NDF:44.4/32

All: 0.011+/-0.044 χ^2/NDF: 76.7/61

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: 335.083+/-0.074 χ^2/NDF:1362668.8/13

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.357+/-0.069 χ^2/NDF:443911.3/12

Left: 323.960+/-0.050 χ^2/NDF: 1848654.1/26

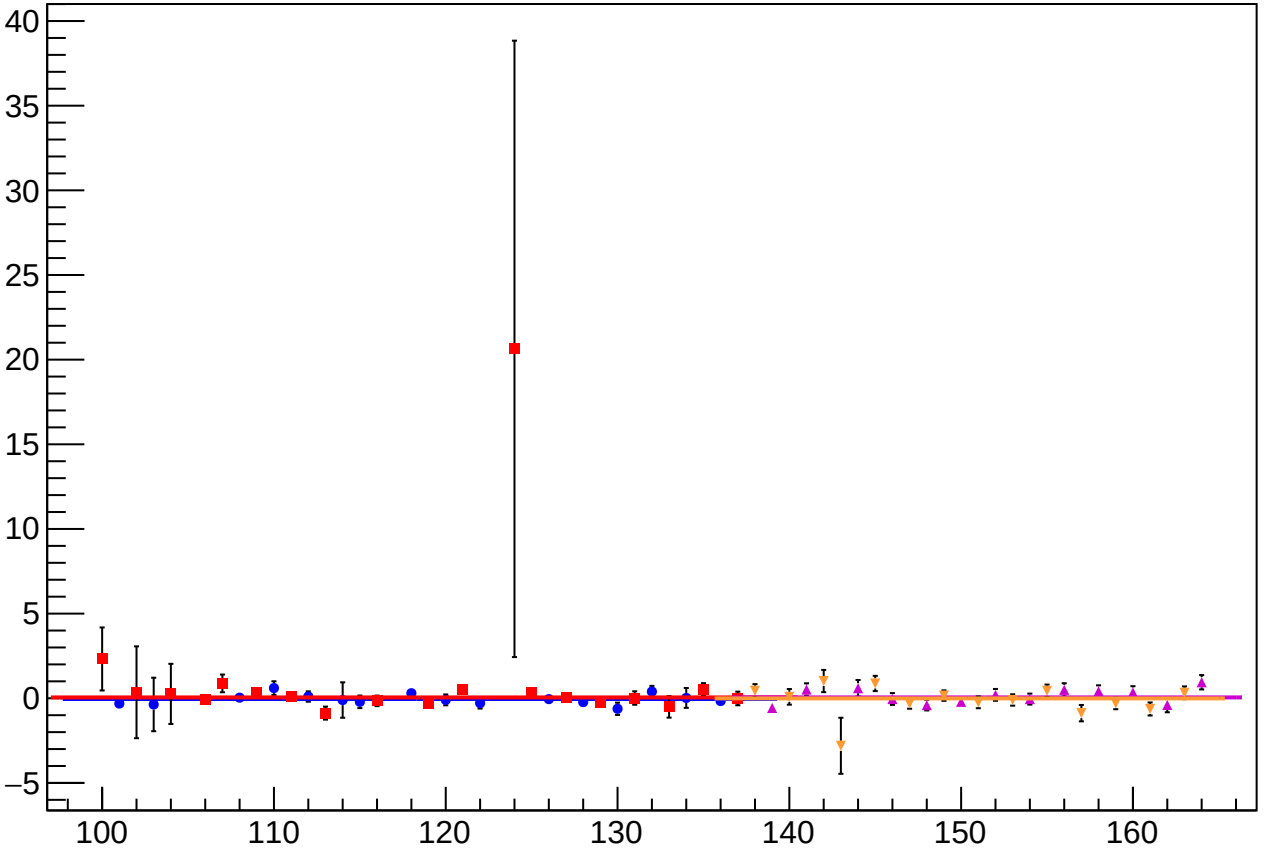
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 240.466+/-0.043 χ^2/NDF:3744120.7/28

Out: 240.152+/-0.045 χ^2/NDF:6418109.6/32

All: 240.314+/-0.031 χ^2/NDF: 10162256.0/61

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: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.051+/-0.097 χ^2/NDF:19.9/12

Left: 0.024+/-0.071 χ^2/NDF: 41.2/26

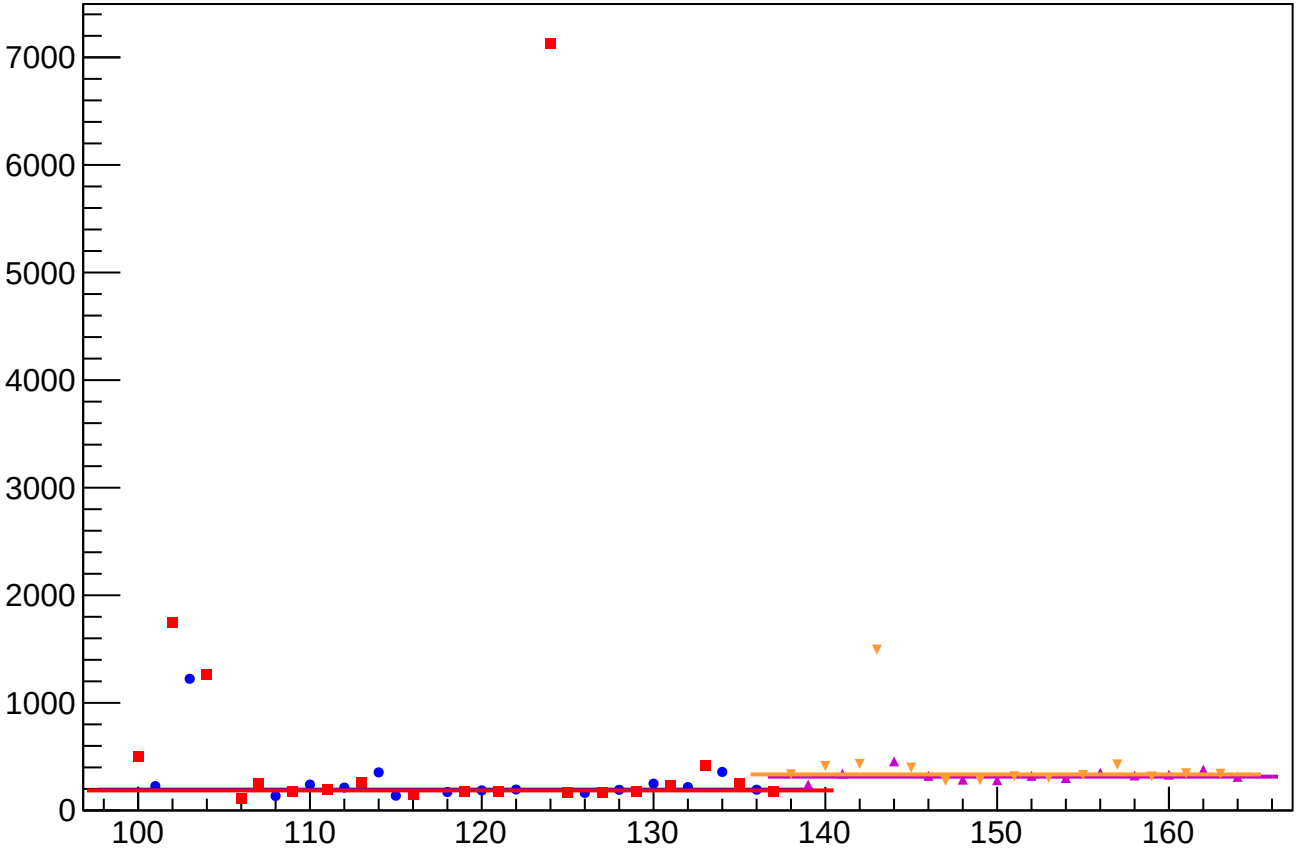
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.005+/-0.061 χ^2/NDF:32.1/28

Out: 0.029+/-0.063 χ^2/NDF:44.4/32

All: 0.011+/-0.044 χ^2/NDF: 76.7/61

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: 335.083+/-0.074 χ^2/NDF:1362668.8/13

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.357+/-0.069 χ^2/NDF:443911.3/12

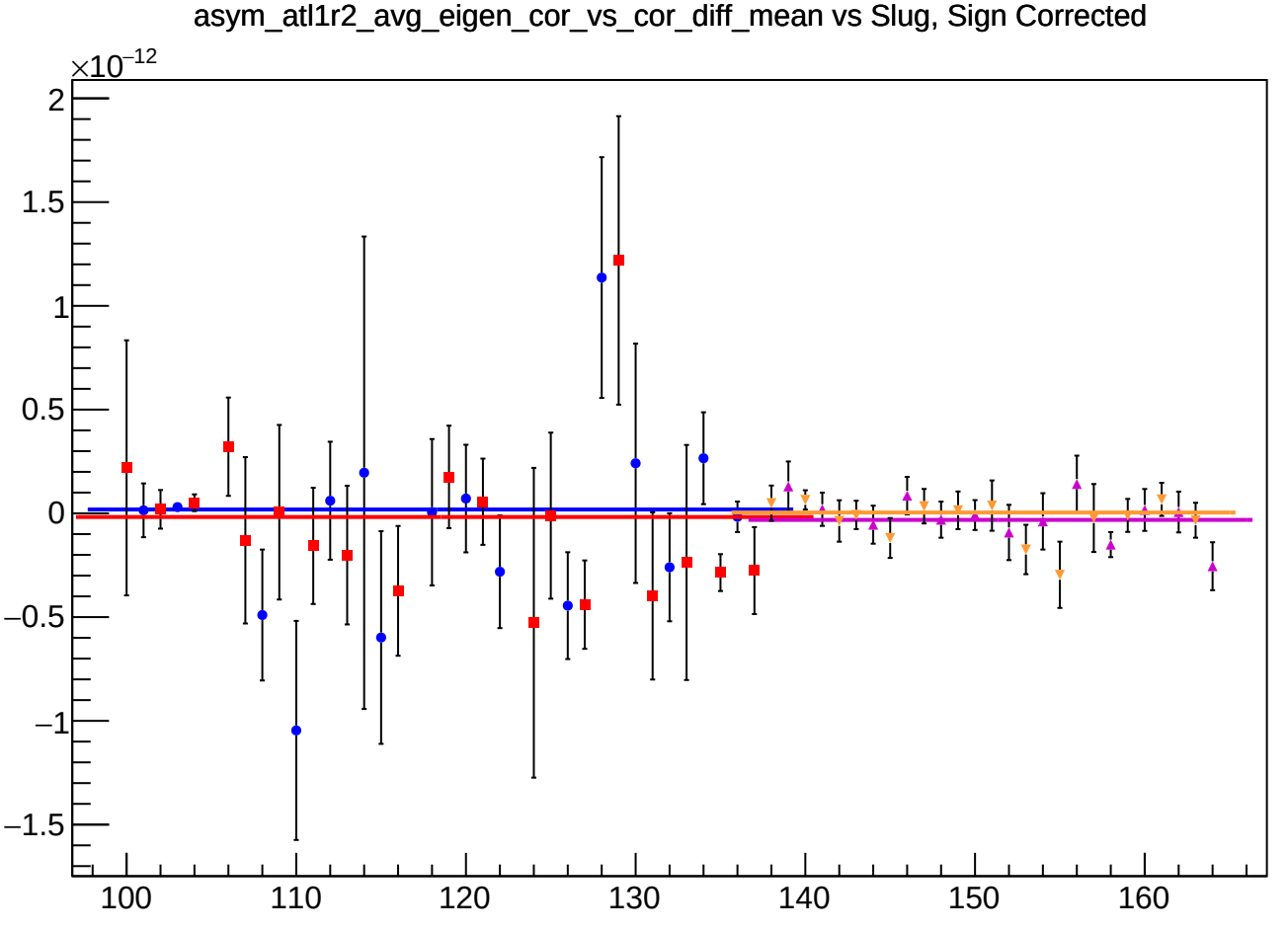
Left: 323.960+/-0.050 χ^2/NDF: 1848654.1/26

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 240.466+/-0.043 χ^2/NDF:3744120.7/28

Out: 240.152+/-0.045 χ^2/NDF:6418109.6/32

All: 240.314+/-0.031 χ^2/NDF: 10162256.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/12

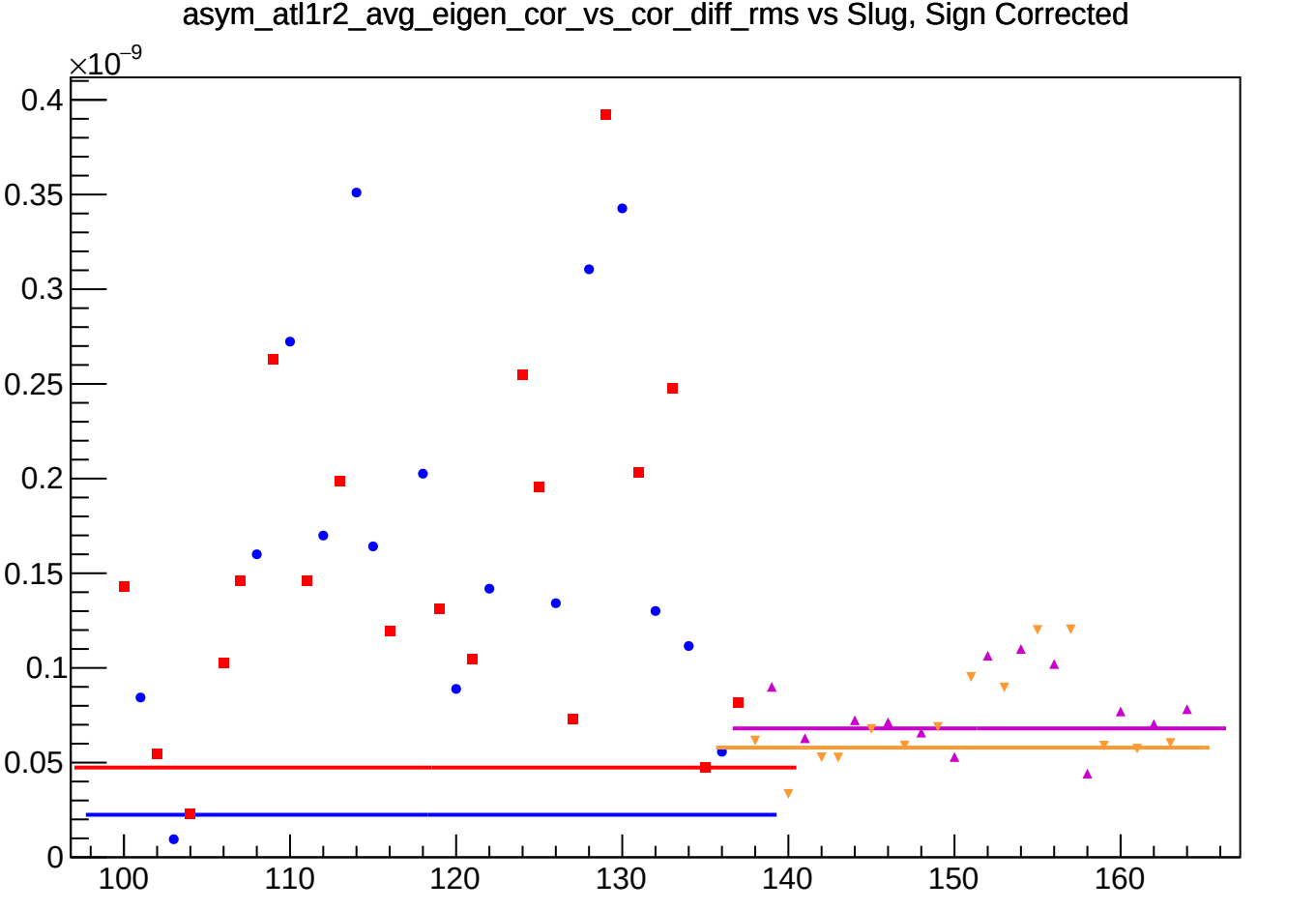
Left: -0.000+/-0.000 χ^2/NDF: 25.7/26

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:35.6/28

Out: -0.000+/-0.000 χ^2/NDF:38.2/32

All: -0.000+/-0.000 χ^2/NDF: 73.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1554354.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:998650.8/12

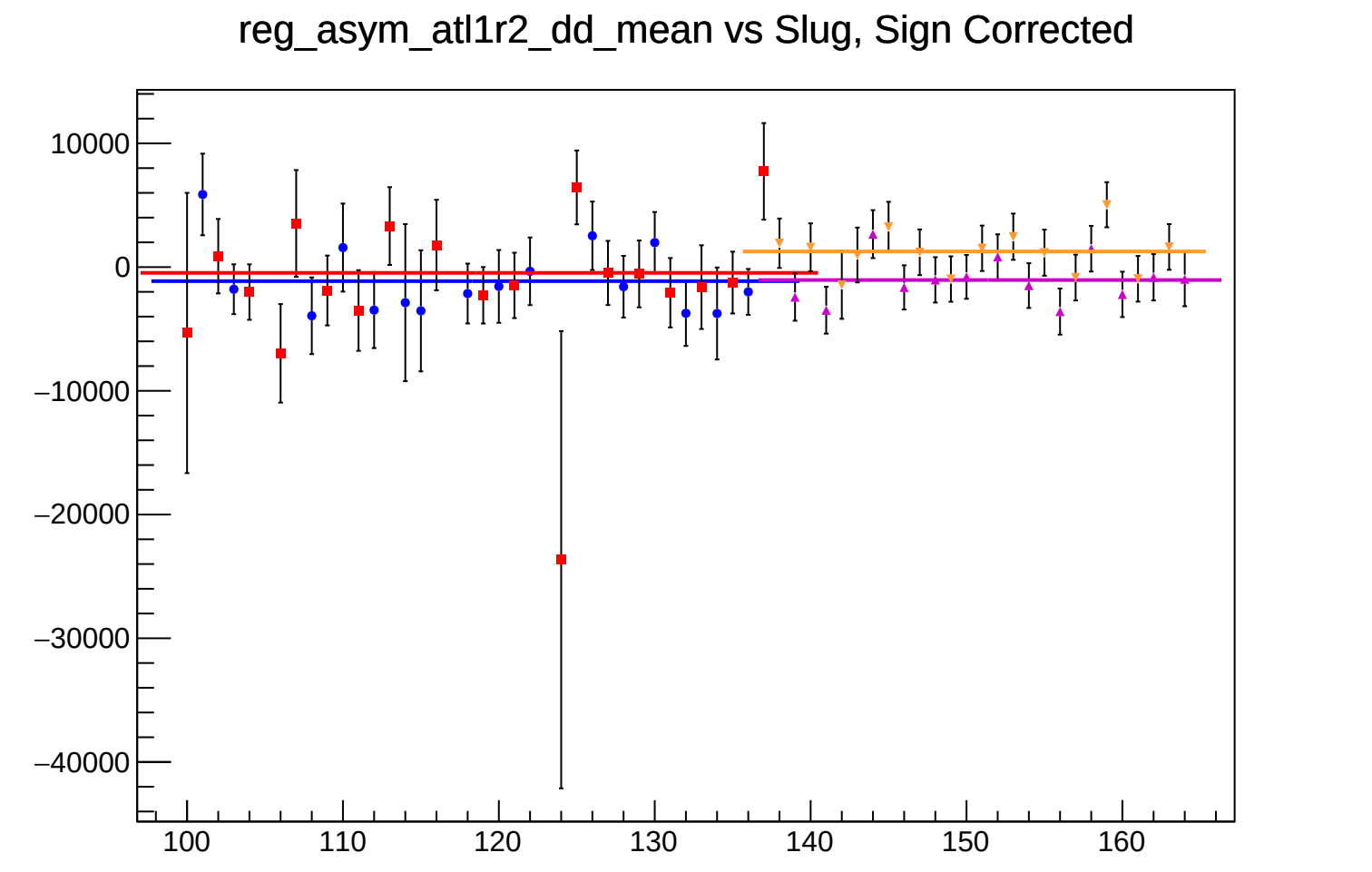
Left: 0.000+/-0.000 χ^2/NDF: 2728580.5/26

Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:11235706.6/28

Out: 0.000+/-0.000 χ^2/NDF:5940012.5/32

All: 0.000+/-0.000 χ^2/NDF: 17842456.5/61



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1266.038+/-517.237 χ^2/NDF:11.0/13

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -1045.937+/-517.628 χ^2/NDF:11.3/12

Left: 110.925+/-365.880 χ^2/NDF: 32.3/26

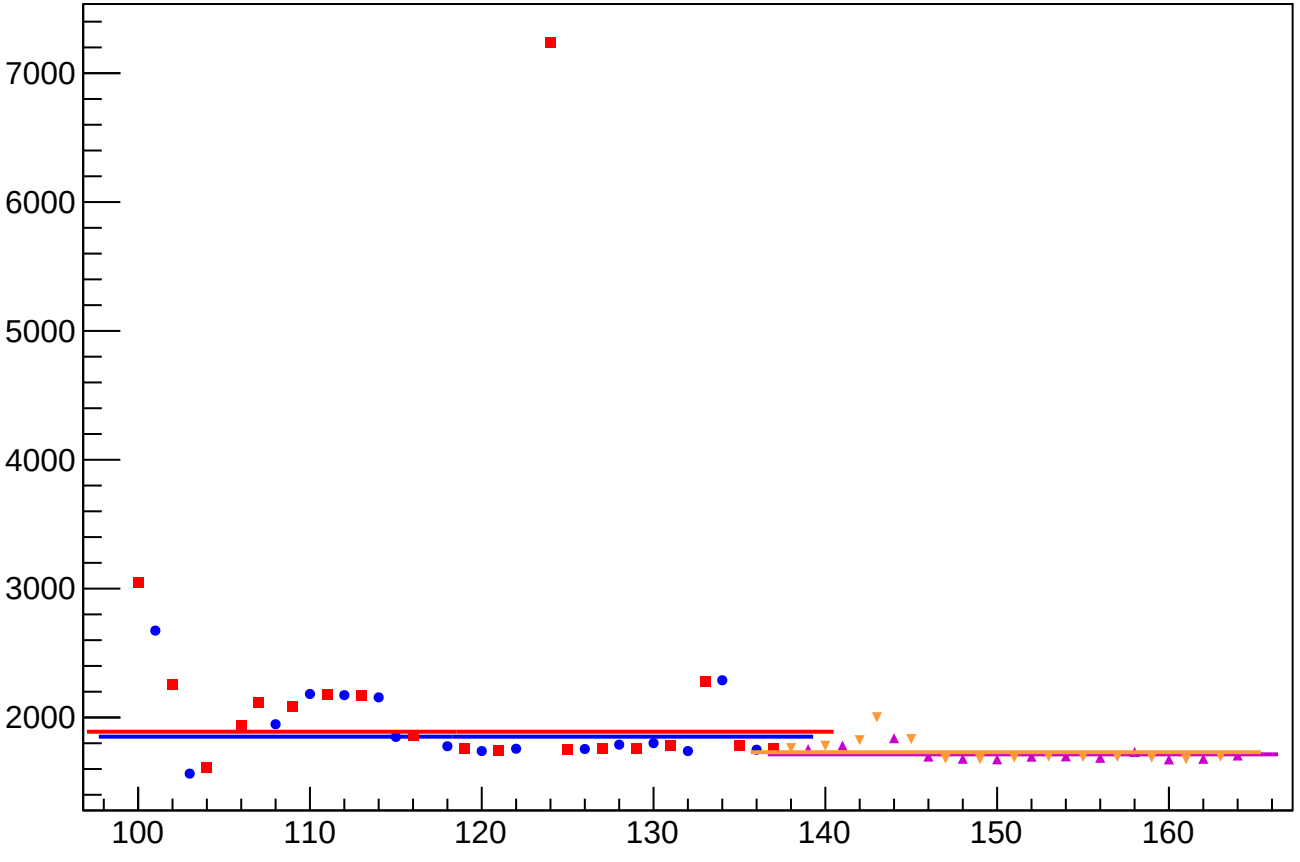
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1077.653+/-414.878 χ^2/NDF:23.5/28

Out: 661.167+/-417.227 χ^2/NDF:35.0/32

All: -213.151+/-294.190 χ^2/NDF: 67.2/61

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1730.318+/-0.366 χ^2/NDF:49177.2/13

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1713.905+/-0.366 χ^2/NDF:16190.4/12

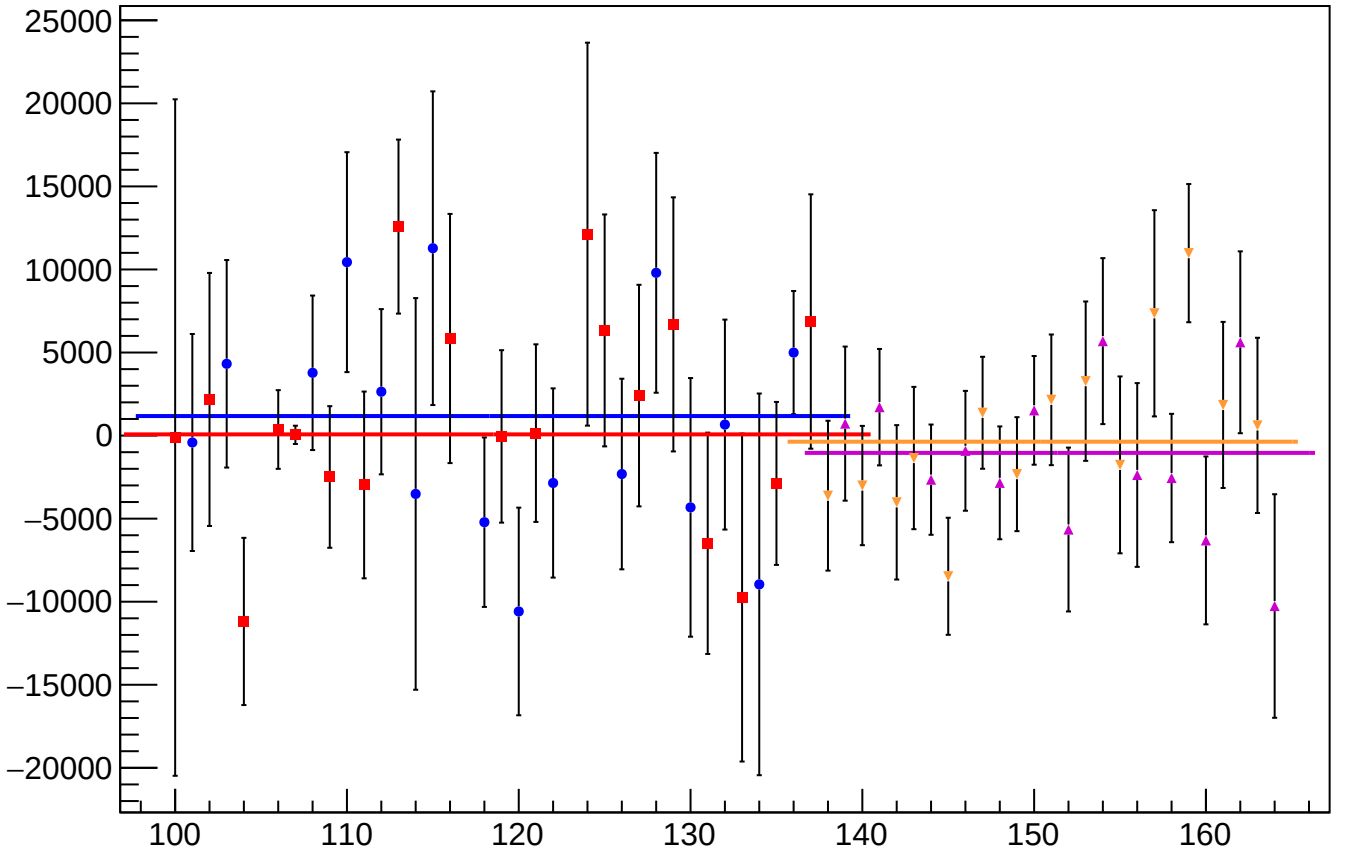
Left: 1722.118+/-0.259 χ^2/NDF: 66373.8/26

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1762.977+/-0.293 χ^2/NDF:326436.1/28

Out: 1786.101+/-0.295 χ^2/NDF:474473.5/32

All: 1774.483+/-0.208 χ^2/NDF: 804001.4/61



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -367.609+/-1129.252 χ^2/NDF:17.9/13

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -1042.124+/-1153.759 χ^2/NDF:9.2/12

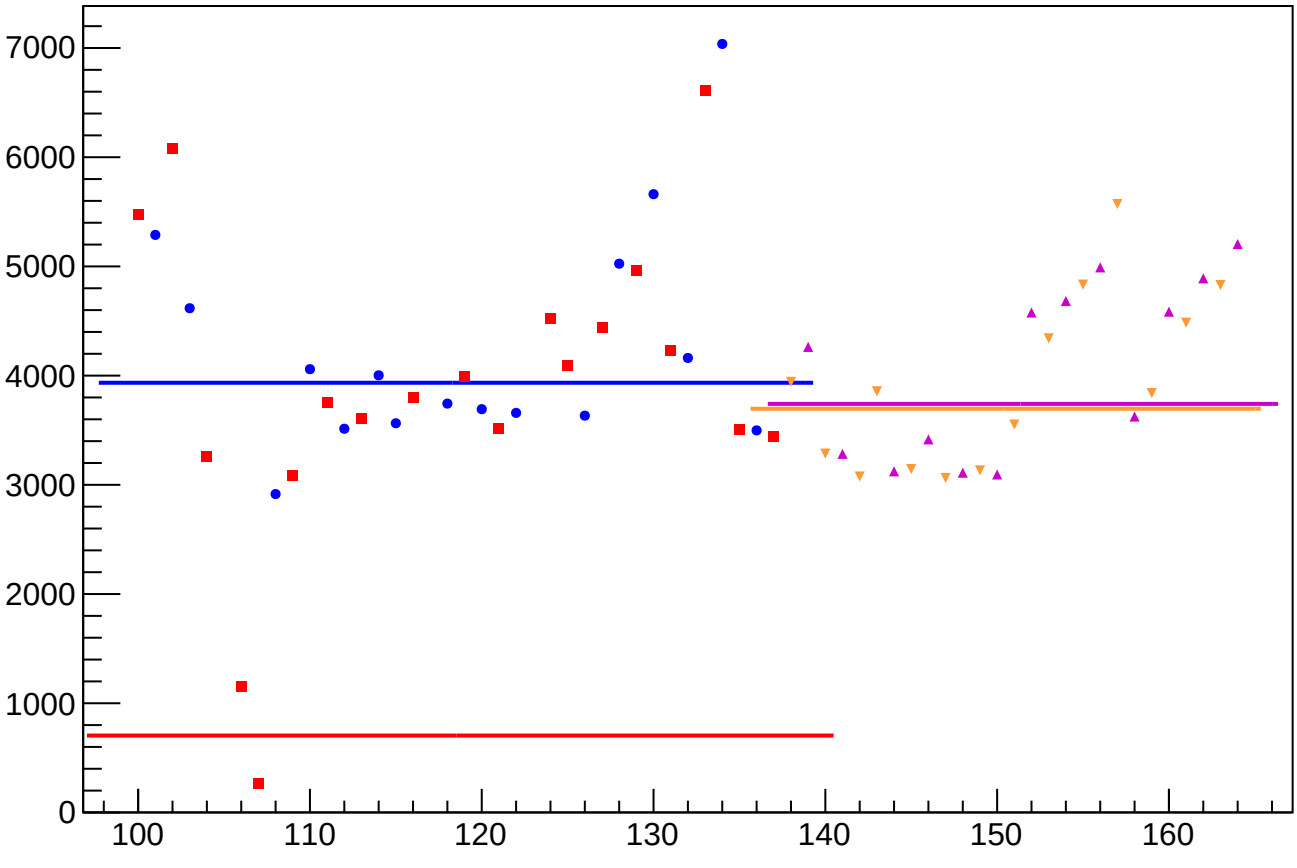
Left: -697.627+/-807.027 χ^2/NDF: 27.3/26

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: -219.300+/-915.004 χ^2/NDF:24.3/28

Out: -0.864+/-461.530 χ^2/NDF:35.9/32

All: -45.167+/-412.077 χ^2/NDF: 60.3/61



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3696.681+/-0.799 χ^2/NDF:701283.6/13

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3741.236+/-0.816 χ^2/NDF:762926.8/12

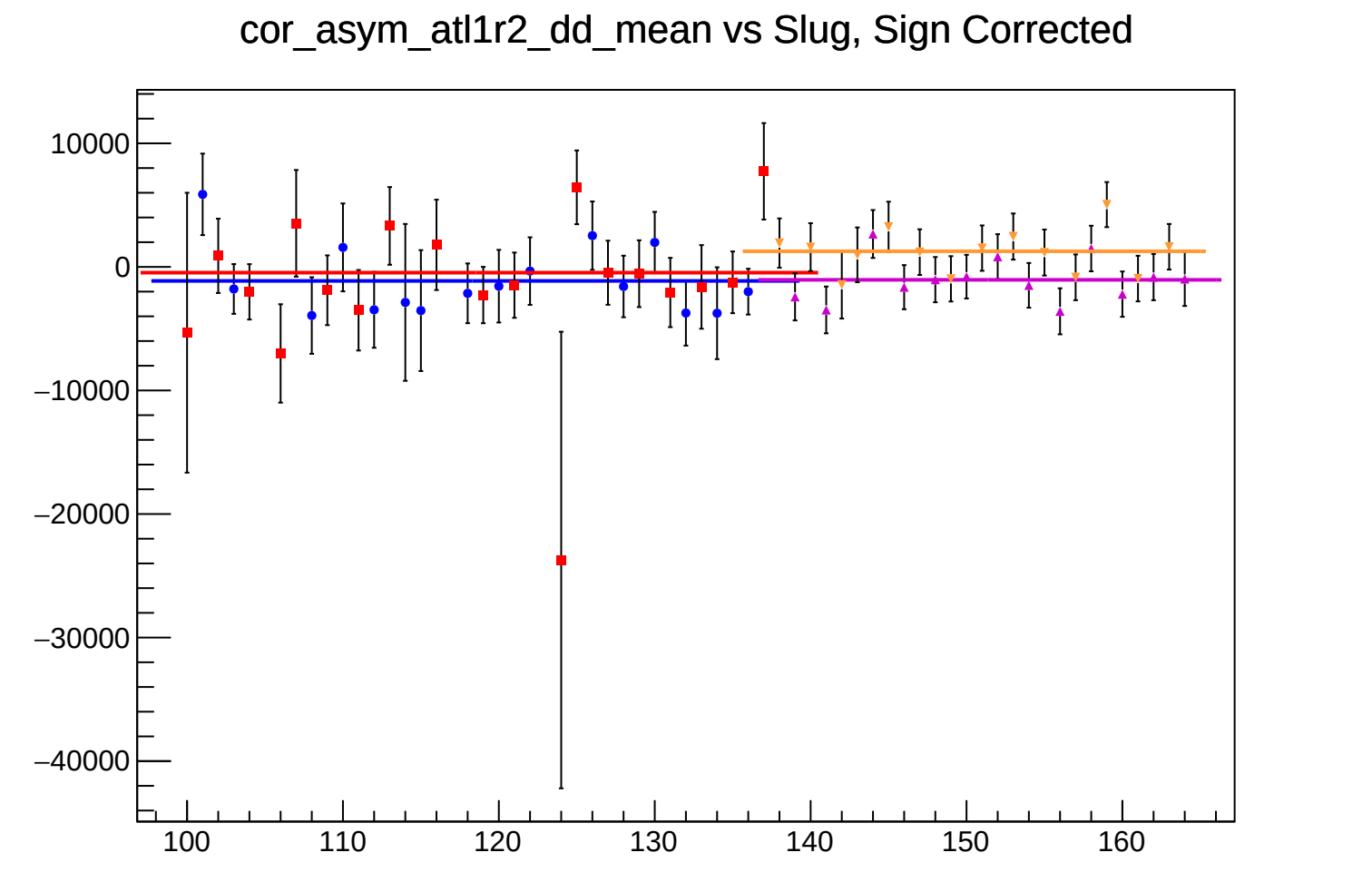
Left: 3718.480+/-0.571 χ^2/NDF: 1465733.6/26

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3813.027+/-0.647 χ^2/NDF:1343921.9/28

Out: 1204.214+/-0.326 χ^2/NDF:23017126.3/32

All: 1733.332+/-0.291 χ^2/NDF: 37321683.1/6



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1266.134+/-517.237 χ^2/NDF:11.0/13

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1045.877+/-517.628 χ^2/NDF:11.3/12

Left: 111.003+/-365.880 χ^2/NDF: 32.3/26

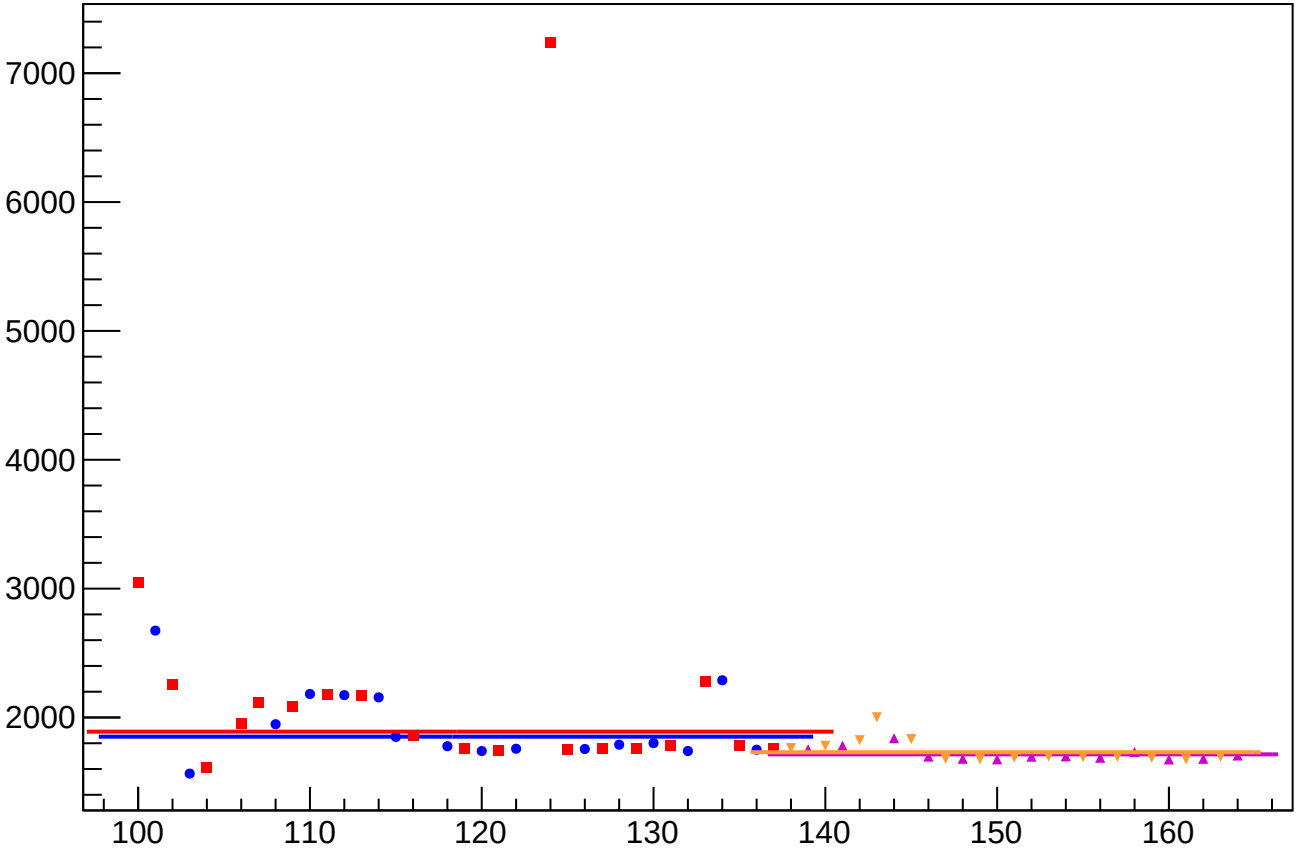
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1077.462+/-414.879 χ^2/NDF:23.5/28

Out: 661.099+/-417.227 χ^2/NDF:35.0/32

All: -213.089+/-294.190 χ^2/NDF: 67.3/61

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1730.318+/-0.366 χ^2/NDF:49177.2/13

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1713.905+/-0.366 χ^2/NDF:16190.4/12

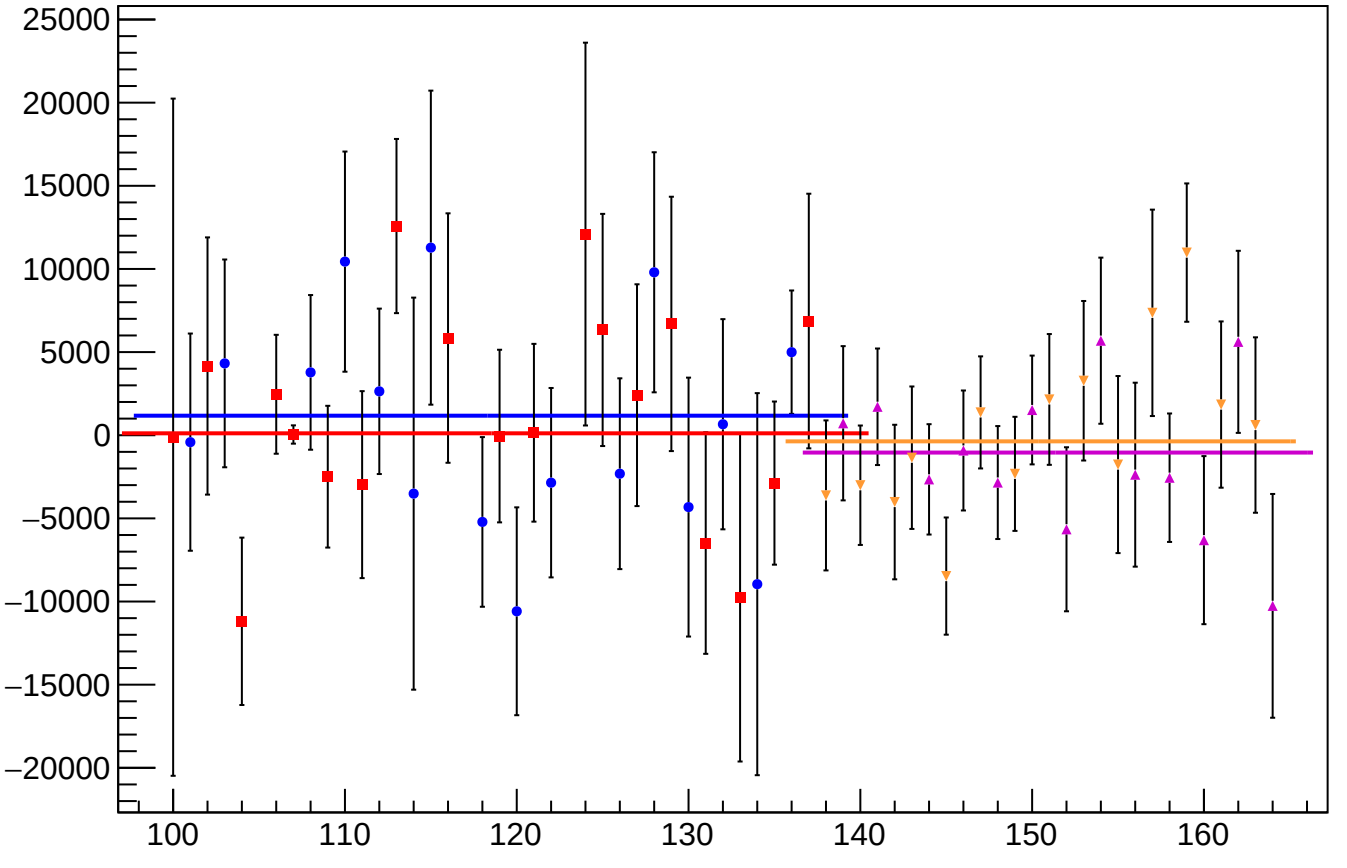
Left: 1722.118+/-0.259 χ^2/NDF: 66373.7/26

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1762.977+/-0.293 χ^2/NDF:326435.5/28

Out: 1786.245+/-0.295 χ^2/NDF:475056.3/32

All: 1774.554+/-0.208 χ^2/NDF: 804622.0/61



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -367.616+/-1129.249 χ^2/NDF:17.9/13

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -1042.120+/-1153.759 χ^2/NDF:9.2/12

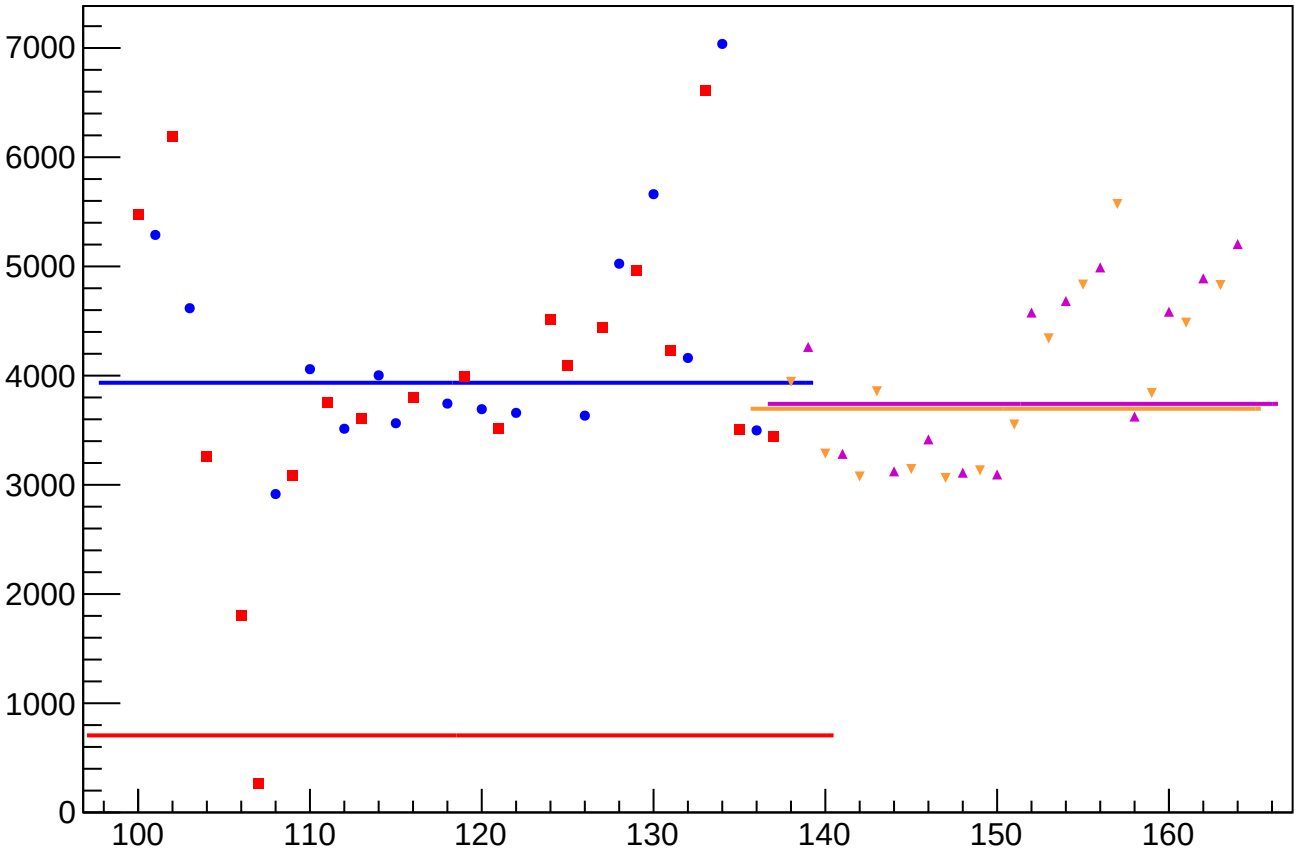
Left: -697.627+/-807.026 χ^2/NDF: 27.3/26

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -219.311+/-915.006 χ^2/NDF:24.3/28

Out: 33.389+/-466.527 χ^2/NDF:36.6/32

All: -18.749+/-415.622 χ^2/NDF: 61.0/61



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3696.670+/-0.798 χ^2/NDF:701288.7/13

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3741.237+/-0.816 χ^2/NDF:762915.1/12

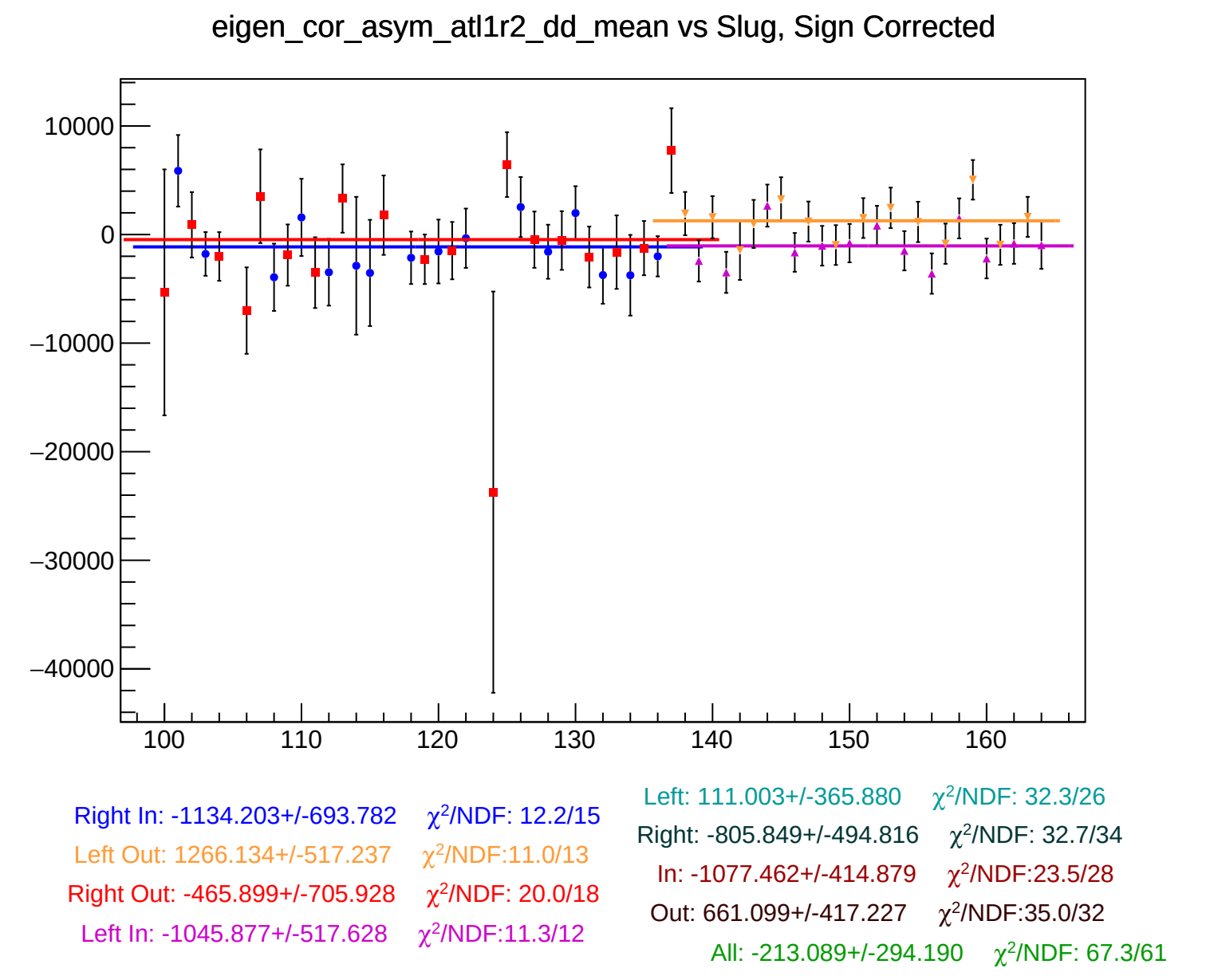
Left: 3718.475+/-0.571 χ^2/NDF: 1465728.0/26

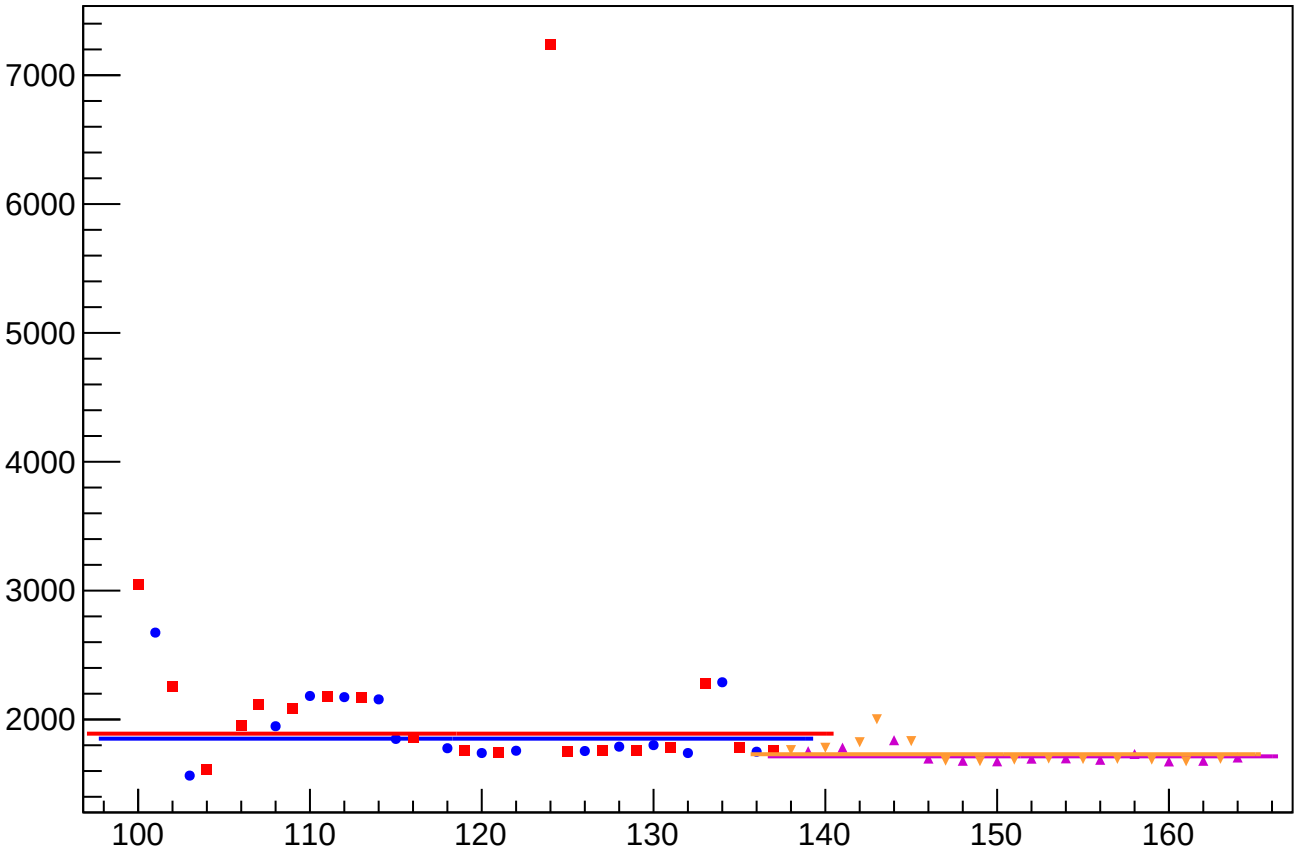
Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3813.031+/-0.647 χ^2/NDF:1343936.1/28

Out: 1216.123+/-0.330 χ^2/NDF:23084973.0/32

All: 1751.927+/-0.294 χ^2/NDF: 37215028.8/6


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 1266.134+/-517.237 χ²/NDF:11.0/13
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -1045.877+/-517.628 χ²/NDF:11.3/12
Left: 111.003+/-365.880 χ²/NDF: 32.3/26
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1077.462+/-414.879 χ²/NDF:23.5/28
Out: 661.099+/-417.227 χ²/NDF:35.0/32
All: -213.089+/-294.190 χ²/NDF: 67.3/61



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1730.318+/-0.366 χ^2/NDF:49177.2/13

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1713.905+/-0.366 χ^2/NDF:16190.4/12

Left: 1722.118+/-0.259 χ^2/NDF: 66373.7/26

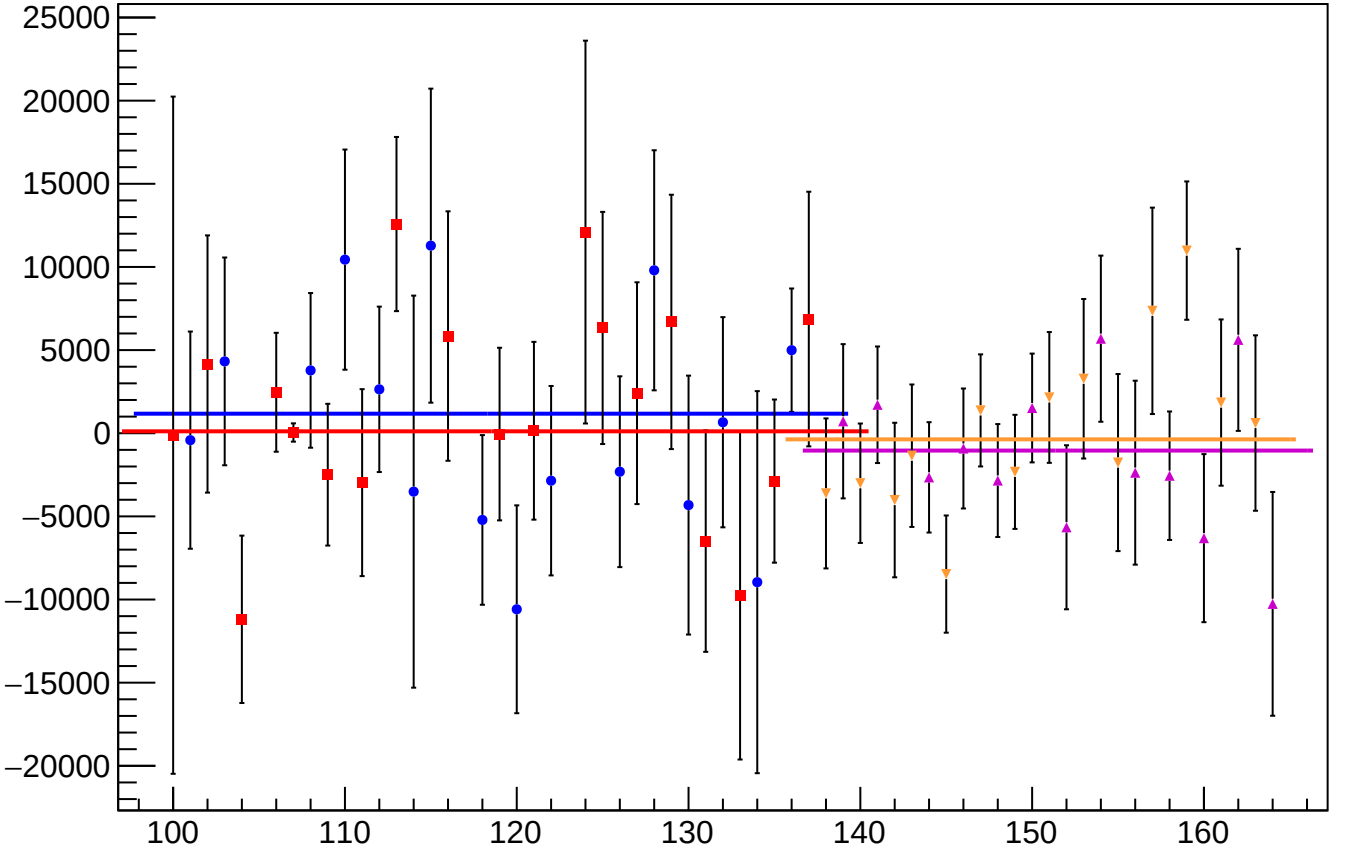
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1762.977+/-0.293 χ^2/NDF:326435.5/28

Out: 1786.245+/-0.295 χ^2/NDF:475056.3/32

All: 1774.554+/-0.208 χ^2/NDF: 804622.0/61

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: -367.616+/-1129.249 χ^2/NDF:17.9/13

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -1042.120+/-1153.759 χ^2/NDF:9.2/12

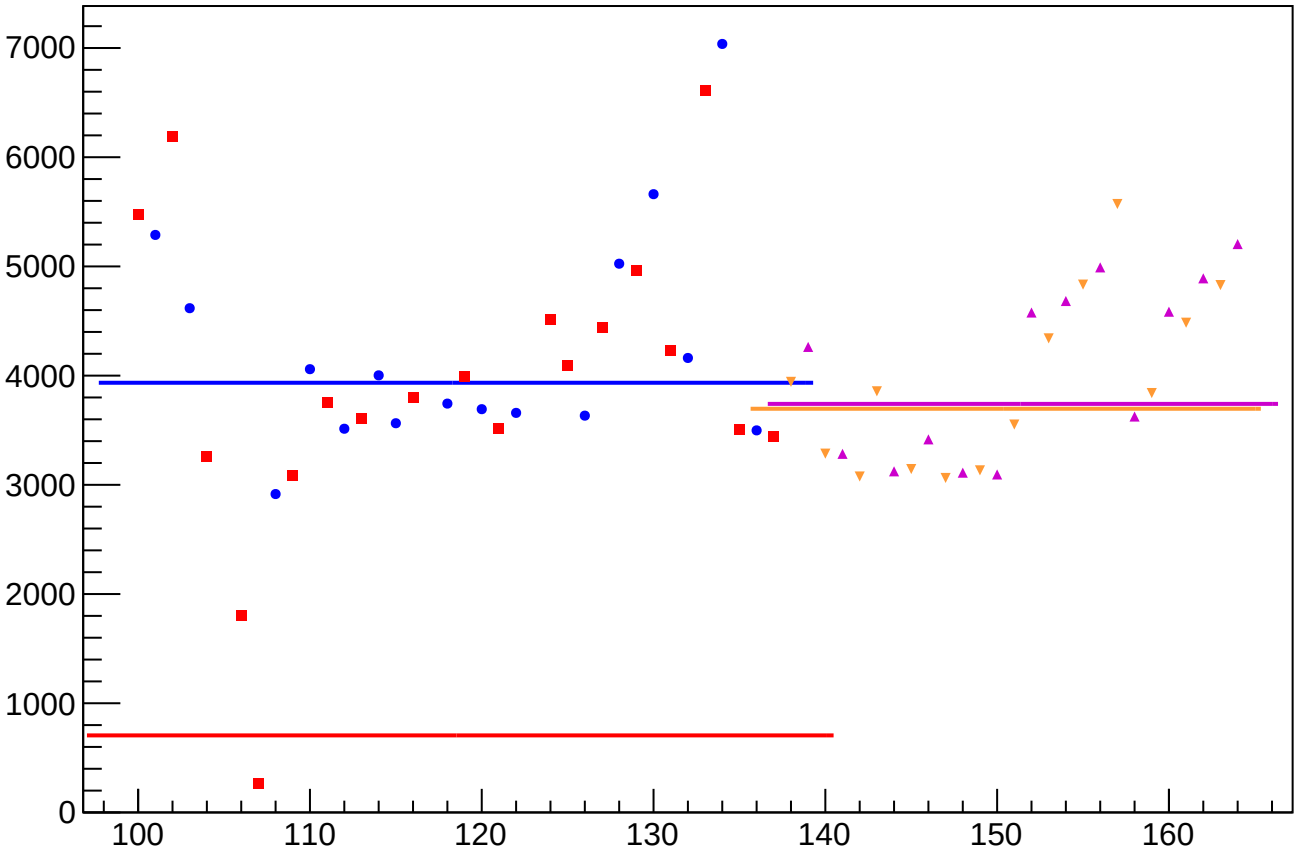
Left: -697.627+/-807.026 χ^2/NDF: 27.3/26

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -219.311+/-915.006 χ^2/NDF:24.3/28

Out: 33.389+/-466.527 χ^2/NDF:36.6/32

All: -18.749+/-415.622 χ^2/NDF: 61.0/61



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3696.670+/-0.798 χ^2/NDF:701288.7/13

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3741.237+/-0.816 χ^2/NDF:762915.1/12

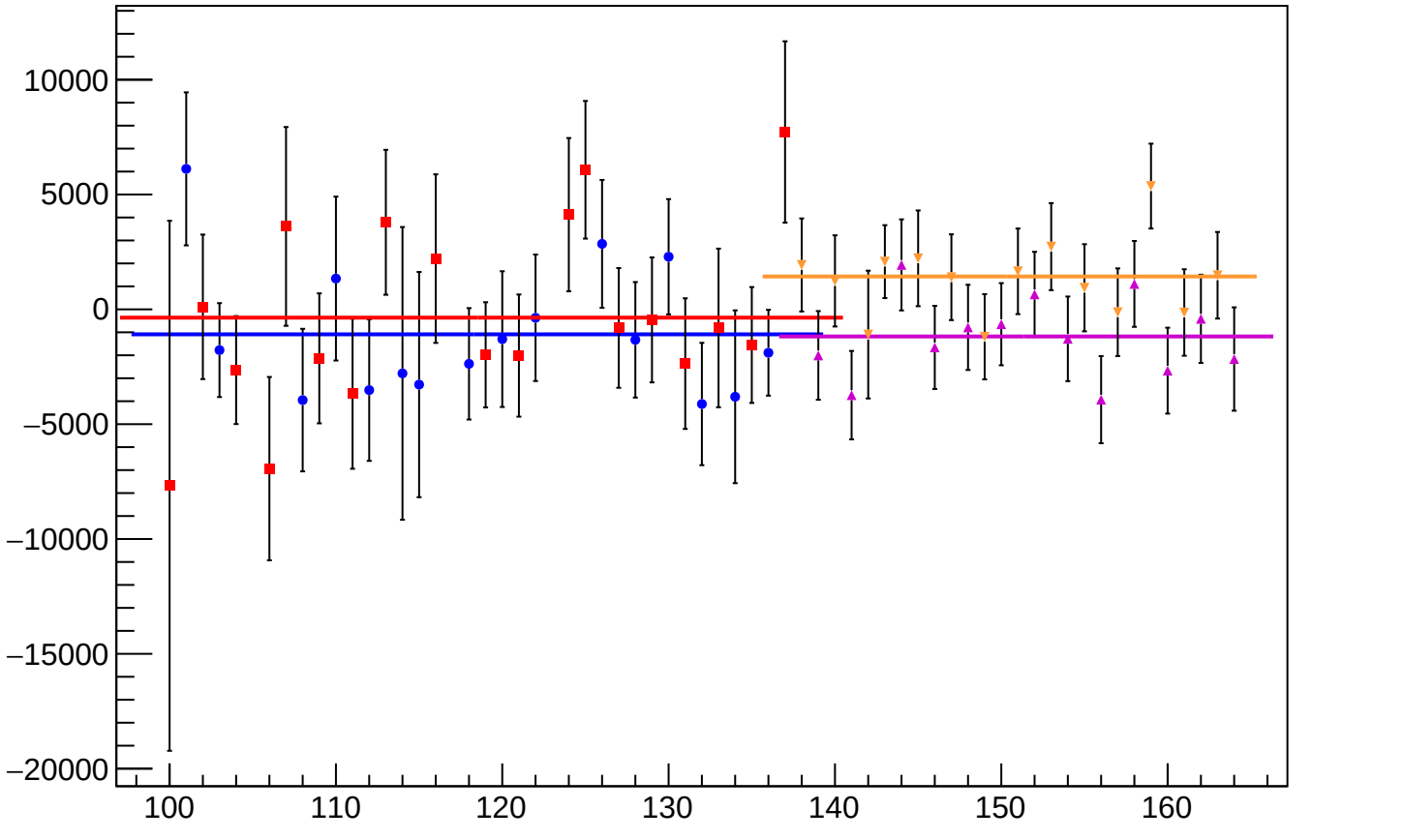
Left: 3718.475+/-0.571 χ^2/NDF: 1465728.0/26

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

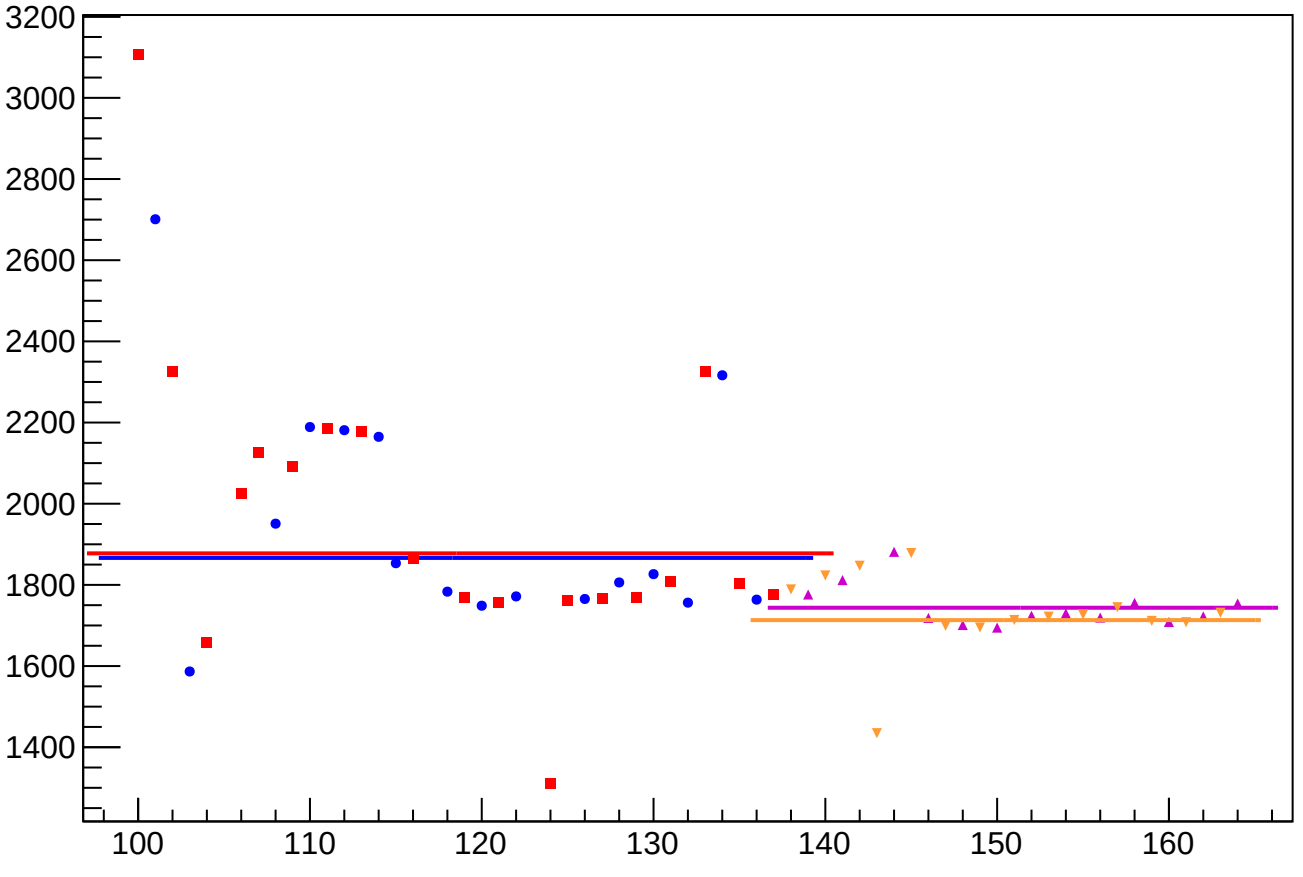
In: 3813.031+/-0.647 χ^2/NDF:1343936.1/28

Out: 1216.123+/-0.330 χ^2/NDF:23084973.0/32

All: 1751.927+/-0.294 χ^2/NDF: 37215028.8/6


dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: -1087.731+/-699.579 χ²/NDF: 13.2/15
Left Out: 1431.496+/-512.593 χ²/NDF:9.7/13
Right Out: -361.218+/-699.665 χ²/NDF: 20.8/18
Left In: -1180.118+/-526.648 χ²/NDF:10.2/12
Left: 161.001+/-367.326 χ²/NDF: 32.5/26
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -1146.700+/-420.751 χ²/NDF:23.4/28
Out: 805.350+/-413.497 χ²/NDF:34.8/32
All: -153.704+/-294.918 χ²/NDF: 69.1/61

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1713.201+/-0.362 χ^2/NDF:88919.8/13

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1743.686+/-0.372 χ^2/NDF:17413.0/12

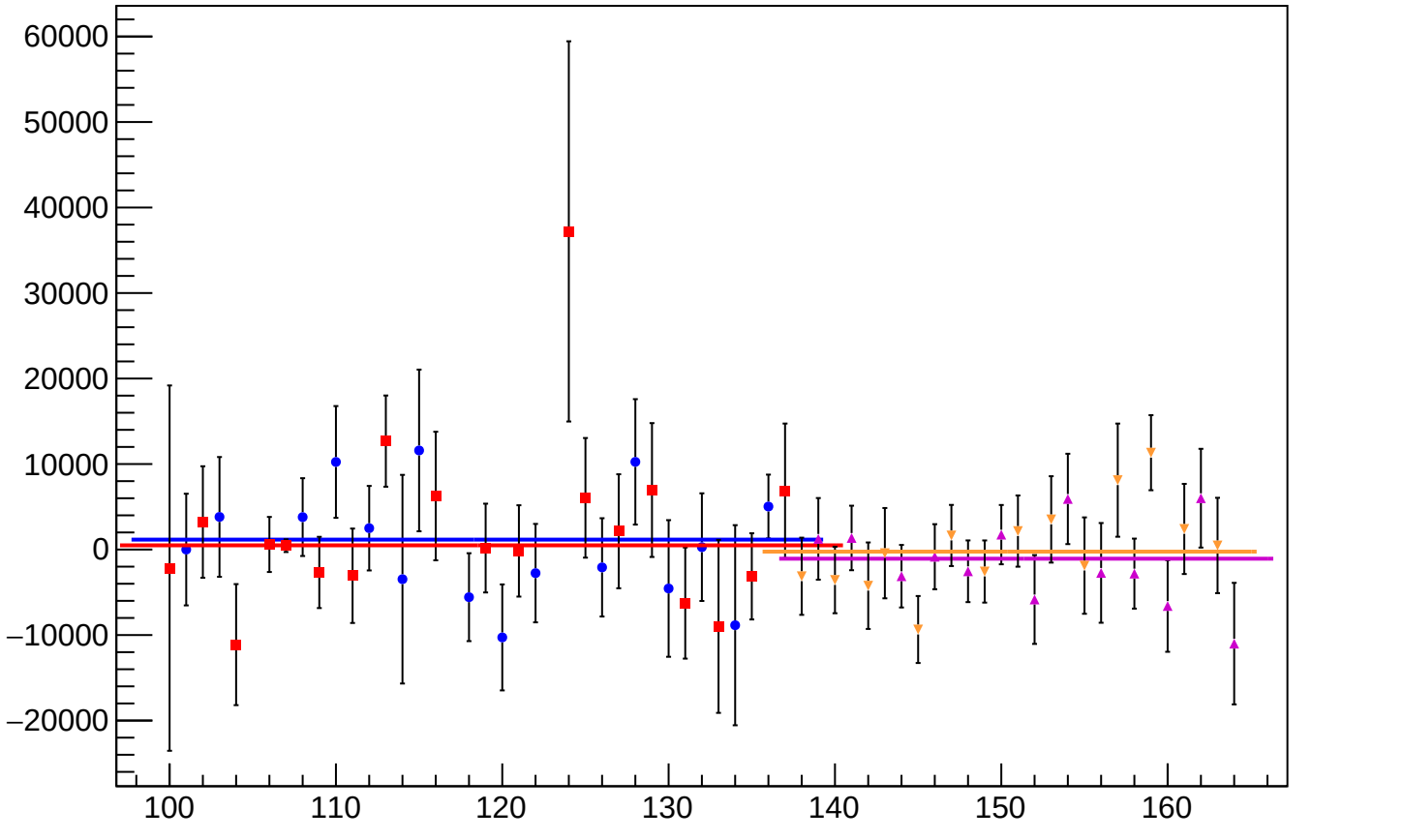
Left: 1728.031+/-0.260 χ^2/NDF: 109773.8/26

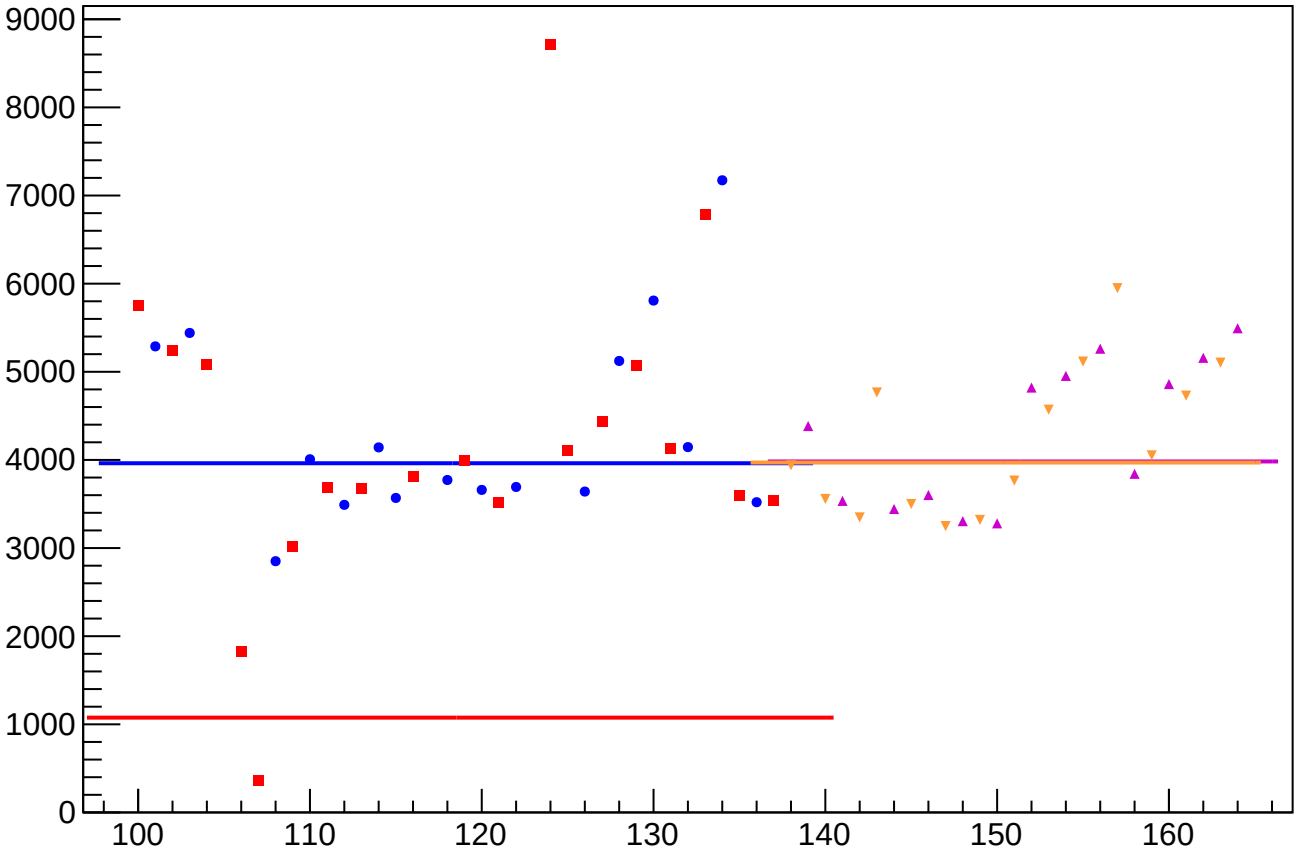
Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1788.094+/-0.298 χ^2/NDF:312989.7/28

Out: 1770.704+/-0.292 χ^2/NDF:412752.1/32

All: 1779.245+/-0.209 χ^2/NDF: 727480.4/61


asym_atl1r2_dd_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 1161.124+/-1512.225 χ²/NDF: 13.7/15
Left Out: -243.564+/-1212.208 χ²/NDF:17.6/13
Right Out: 492.907+/-658.510 χ²/NDF: 16.9/18
Left In: -1070.618+/-1226.628 χ²/NDF:9.2/12
Left: -652.201+/-862.213 χ²/NDF: 27.0/26
Right: 599.419+/-603.751 χ²/NDF: 30.8/34
In: -184.961+/-952.636 χ²/NDF:24.1/28
Out: 325.095+/-578.643 χ²/NDF:34.9/32
All: 187.628+/-494.558 χ²/NDF: 59.2/61



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3970.151+/-0.857 χ^2/NDF:692160.9/13

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3982.599+/-0.867 χ^2/NDF:703733.0/12

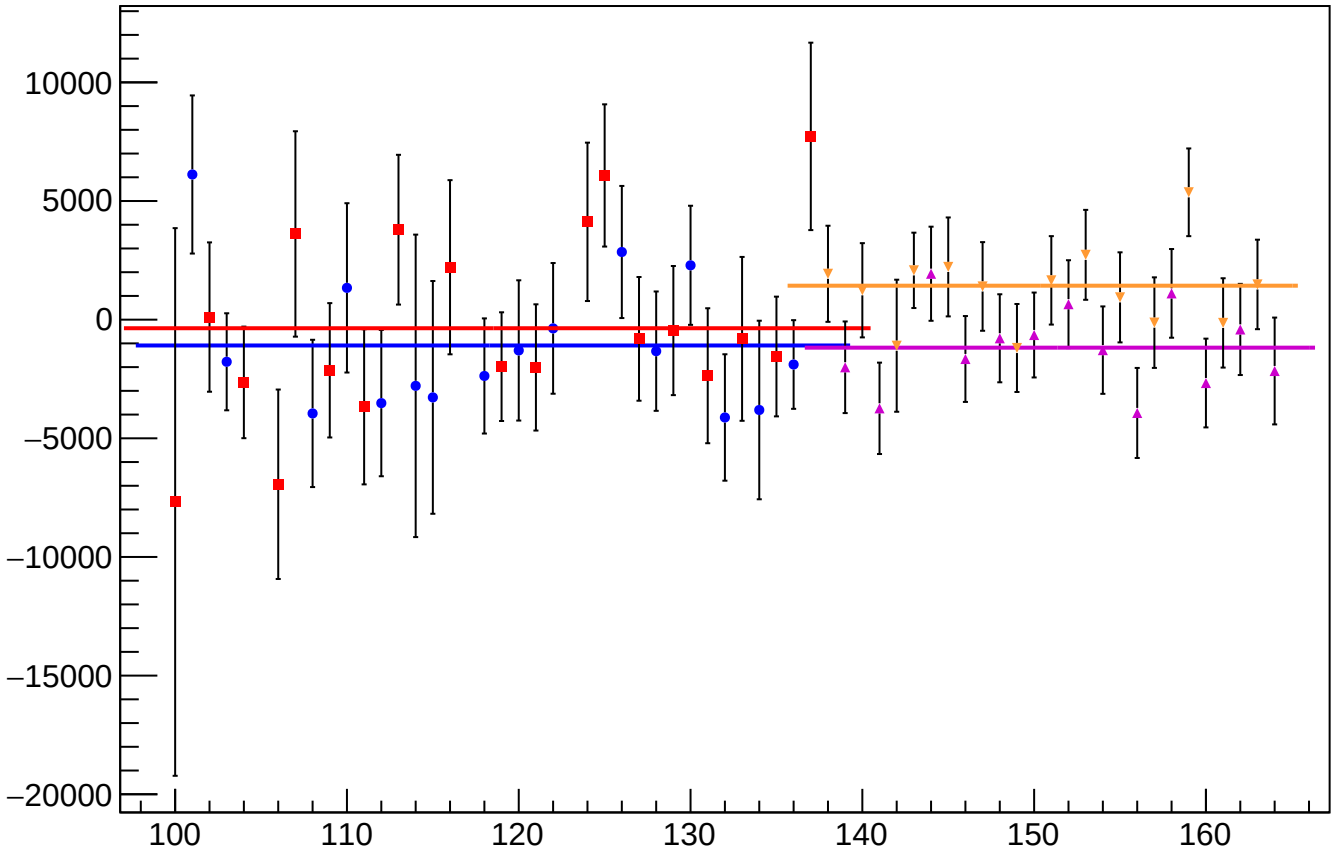
Left: 3976.302+/-0.610 χ^2/NDF: 1395998.2/26

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3974.570+/-0.674 χ^2/NDF:1372288.5/28

Out: 1735.427+/-0.409 χ^2/NDF:19053467.3/32

All: 2338.905+/-0.350 χ^2/NDF: 28497211.8/6



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1431.503+/-512.594 χ^2/NDF:9.7/13

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -1180.120+/-526.648 χ^2/NDF:10.2/12

Left: 161.003+/-367.327 χ^2/NDF: 32.5/26

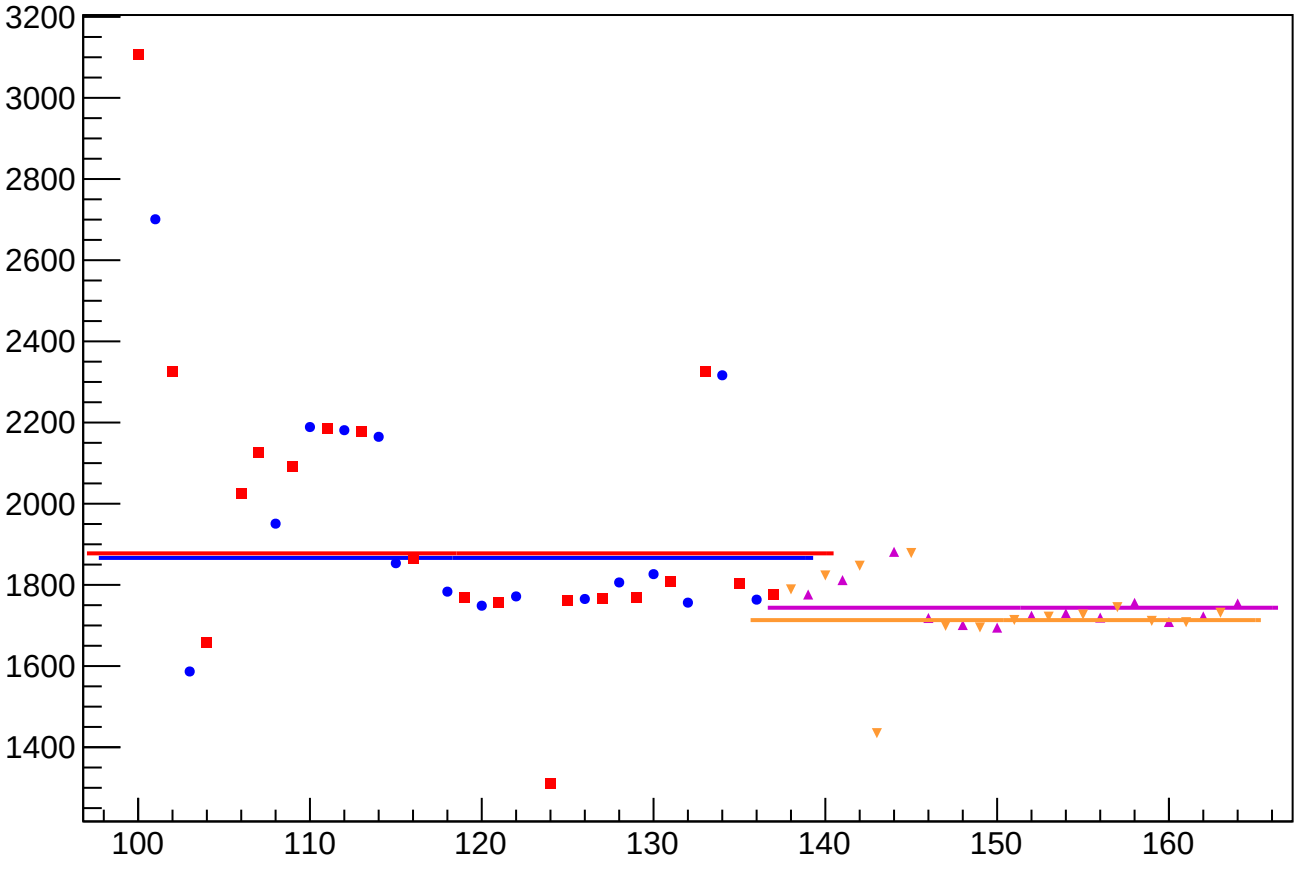
Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1146.702+/-420.751 χ^2/NDF:23.4/28

Out: 805.352+/-413.497 χ^2/NDF:34.8/32

All: -153.704+/-294.918 χ^2/NDF: 69.1/61

eigen_dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1713.202+/-0.362 χ^2/NDF:88918.9/13

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1743.686+/-0.372 χ^2/NDF:17412.9/12

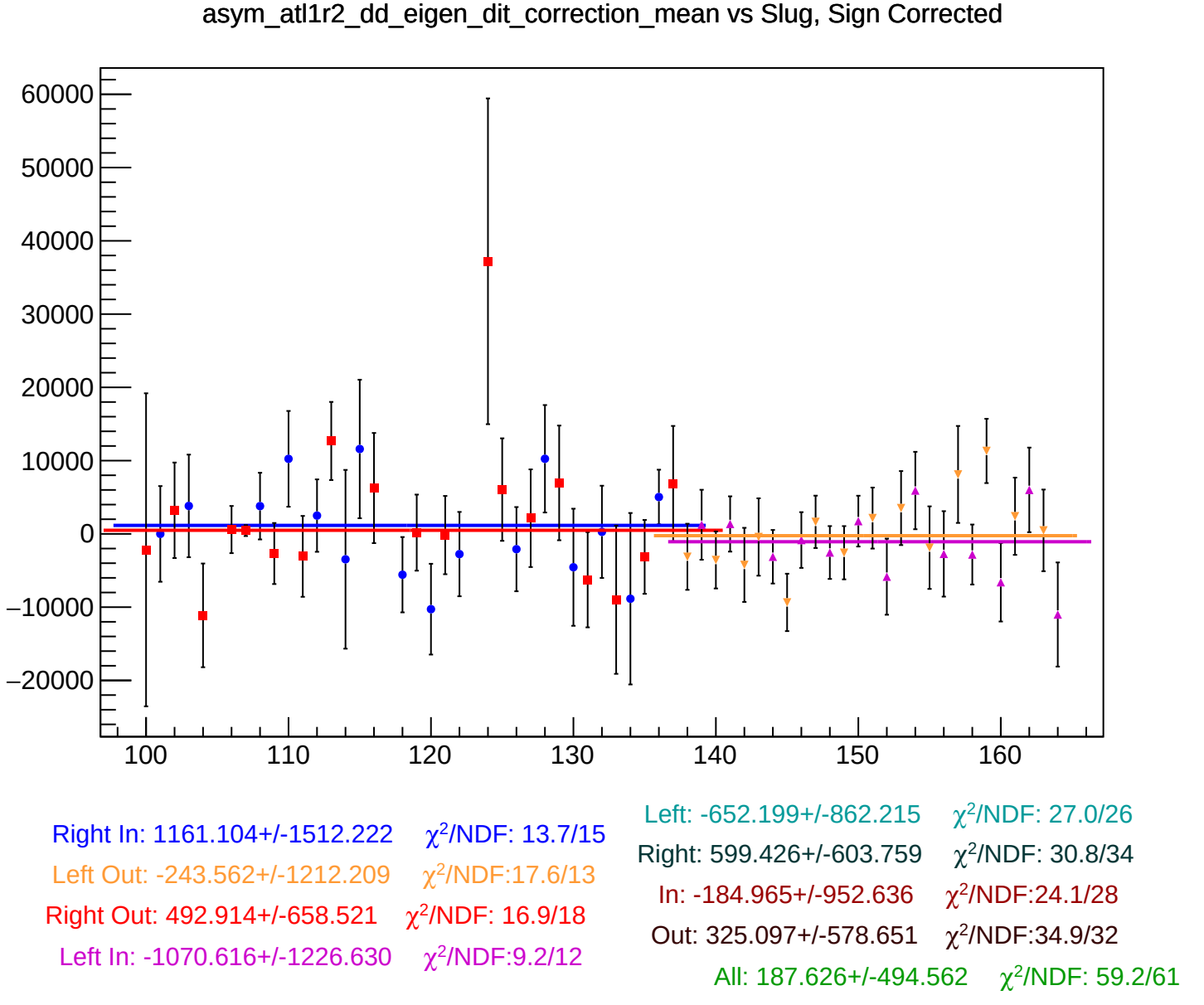
Left: 1728.032+/-0.260 χ^2/NDF: 109772.8/26

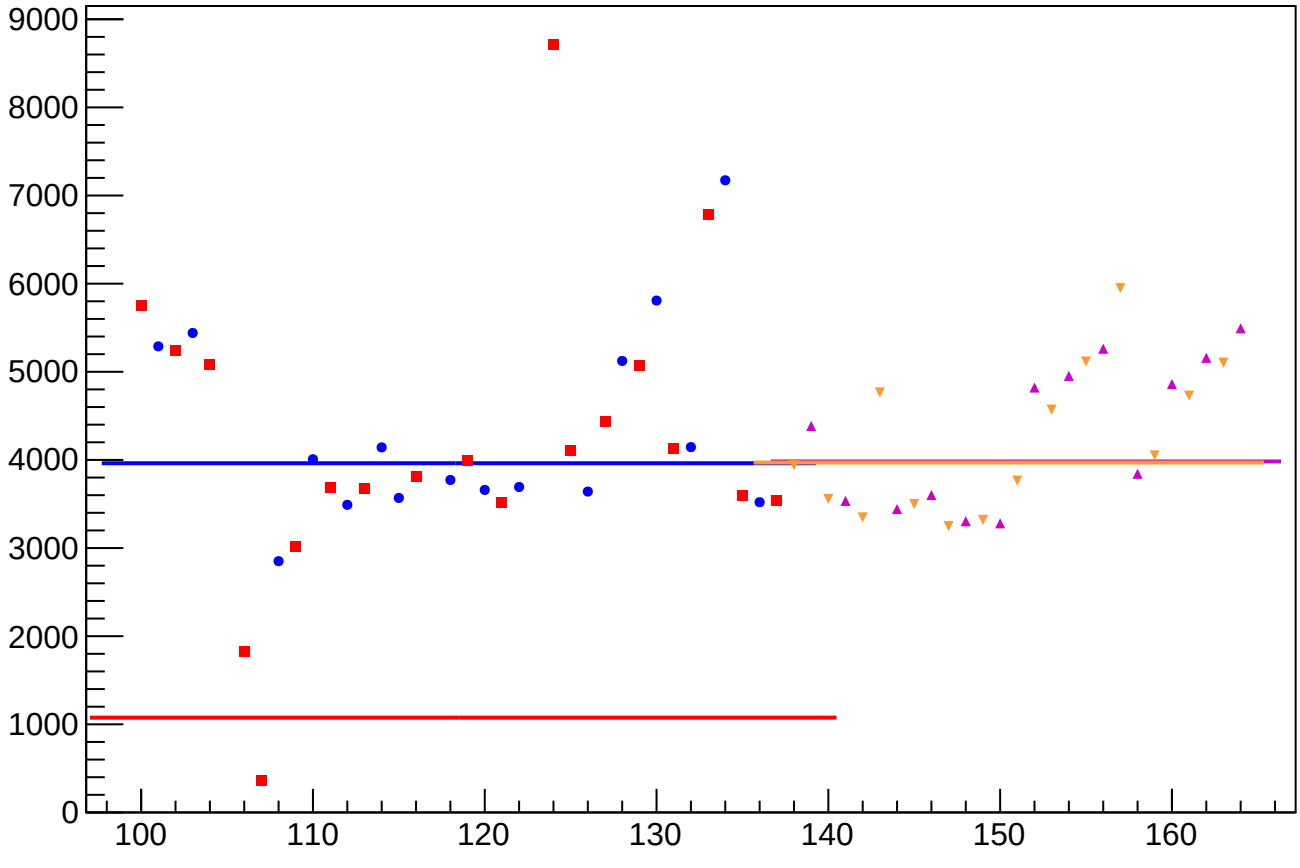
Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1788.095+/-0.298 χ^2/NDF:312988.9/28

Out: 1770.704+/-0.292 χ^2/NDF:412750.6/32

All: 1779.246+/-0.209 χ^2/NDF: 727477.9/61


asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 1161.104+/-1512.222 χ²/NDF: 13.7/15
Left Out: -243.562+/-1212.209 χ²/NDF:17.6/13
Right Out: 492.914+/-658.521 χ²/NDF: 16.9/18
Left In: -1070.616+/-1226.630 χ²/NDF:9.2/12
Left: -652.199+/-862.215 χ²/NDF: 27.0/26
Right: 599.426+/-603.759 χ²/NDF: 30.8/34
In: -184.965+/-952.636 χ²/NDF:24.1/28
Out: 325.097+/-578.651 χ²/NDF:34.9/32
All: 187.626+/-494.562 χ²/NDF: 59.2/61



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3970.156+/-0.857 χ^2/NDF:692160.7/13

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3982.604+/-0.867 χ^2/NDF:703733.9/12

Left: 3976.307+/-0.610 χ^2/NDF: 1395998.8/26

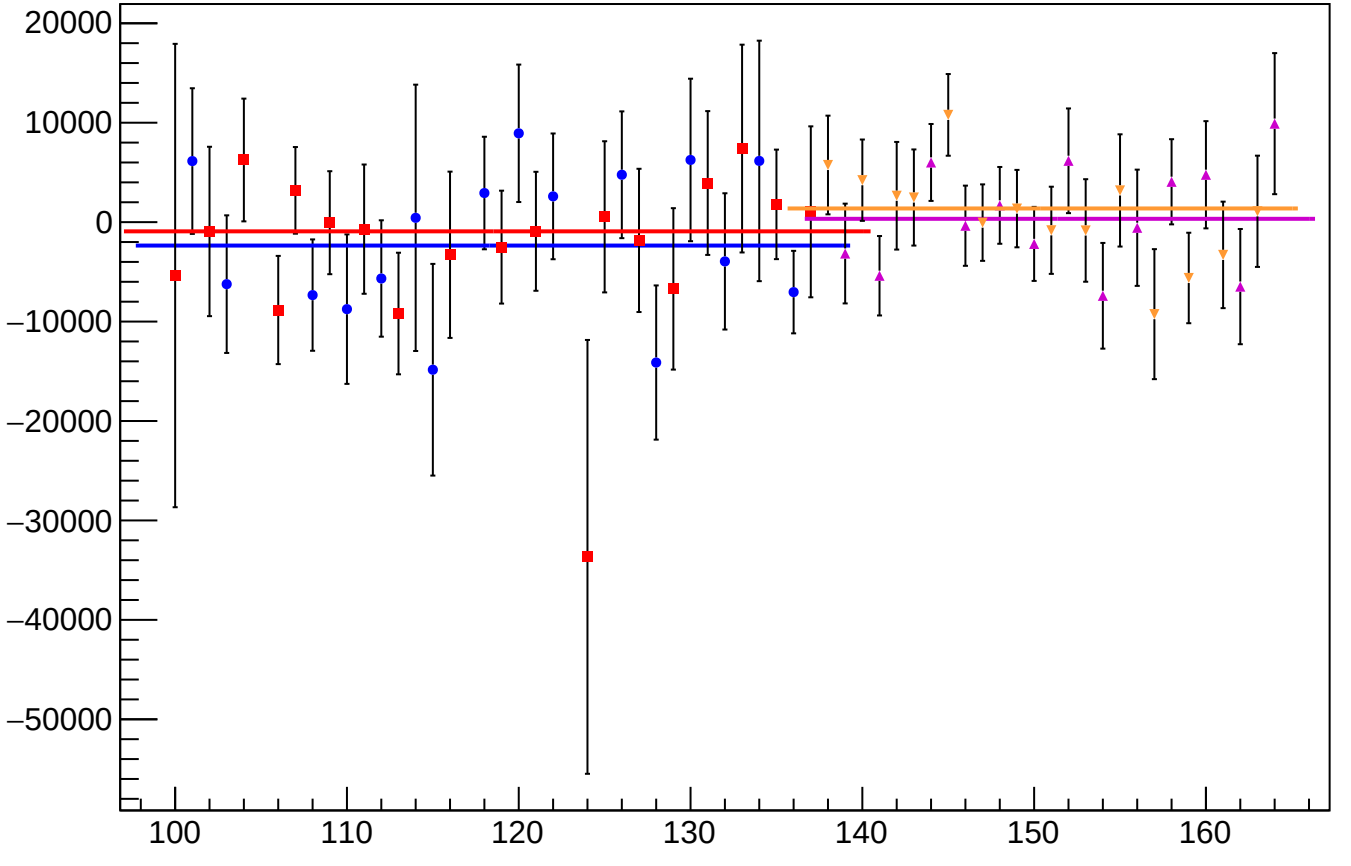
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3974.571+/-0.674 χ^2/NDF:1372286.0/28

Out: 1735.467+/-0.409 χ^2/NDF:19053097.3/32

All: 2338.946+/-0.350 χ^2/NDF: 28496496.0/6

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1376.030+/-1260.145 χ^2/NDF:13.1/13

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: 334.820+/-1281.160 χ^2/NDF:13.3/12

Left: 864.034+/-898.395 χ^2/NDF: 26.7/26

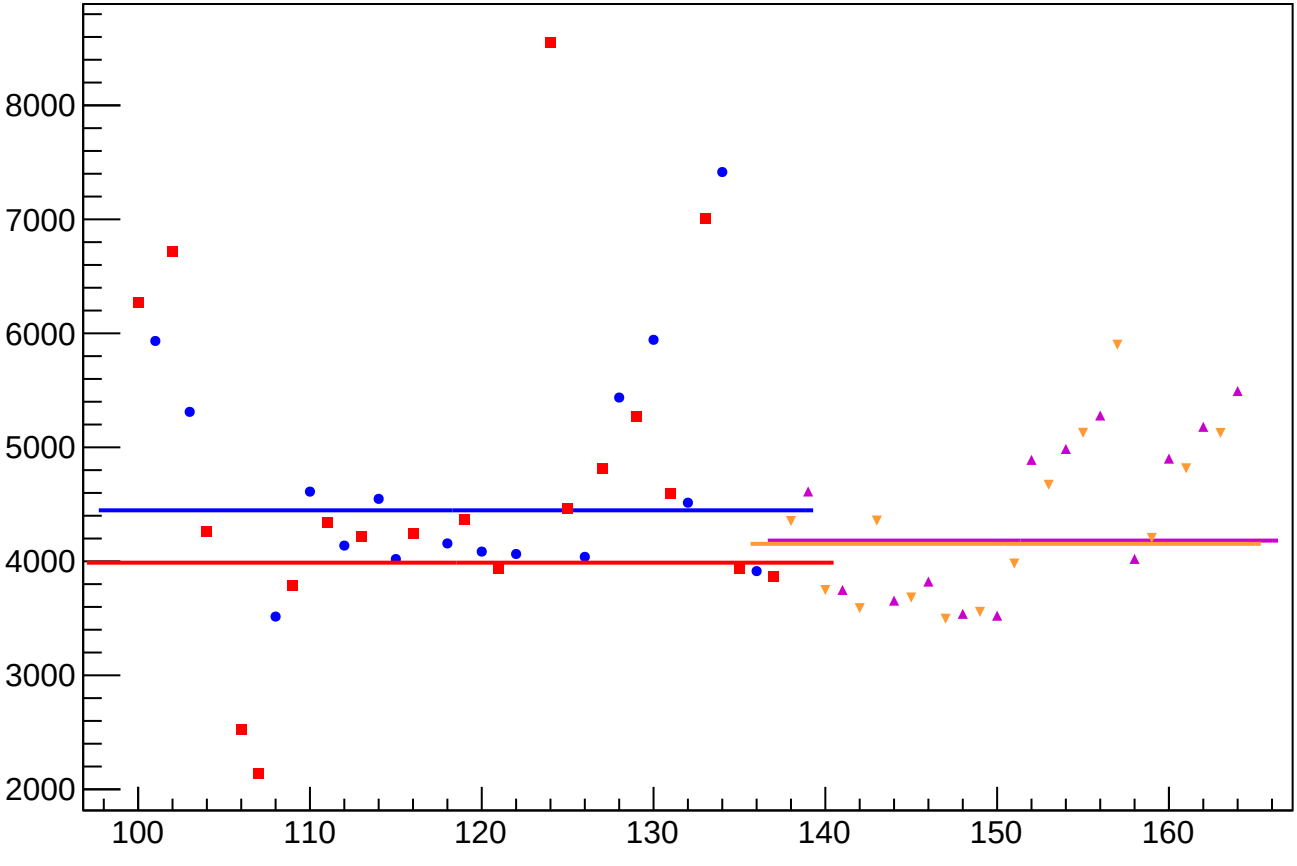
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -650.643+/-1019.800 χ^2/NDF:30.5/28

Out: 458.183+/-976.996 χ^2/NDF:25.0/32

All: -72.472+/-705.488 χ^2/NDF: 56.1/61

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4153.594+/-0.891 χ^2/NDF:496763.4/13

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4181.967+/-0.906 χ^2/NDF:527721.1/12

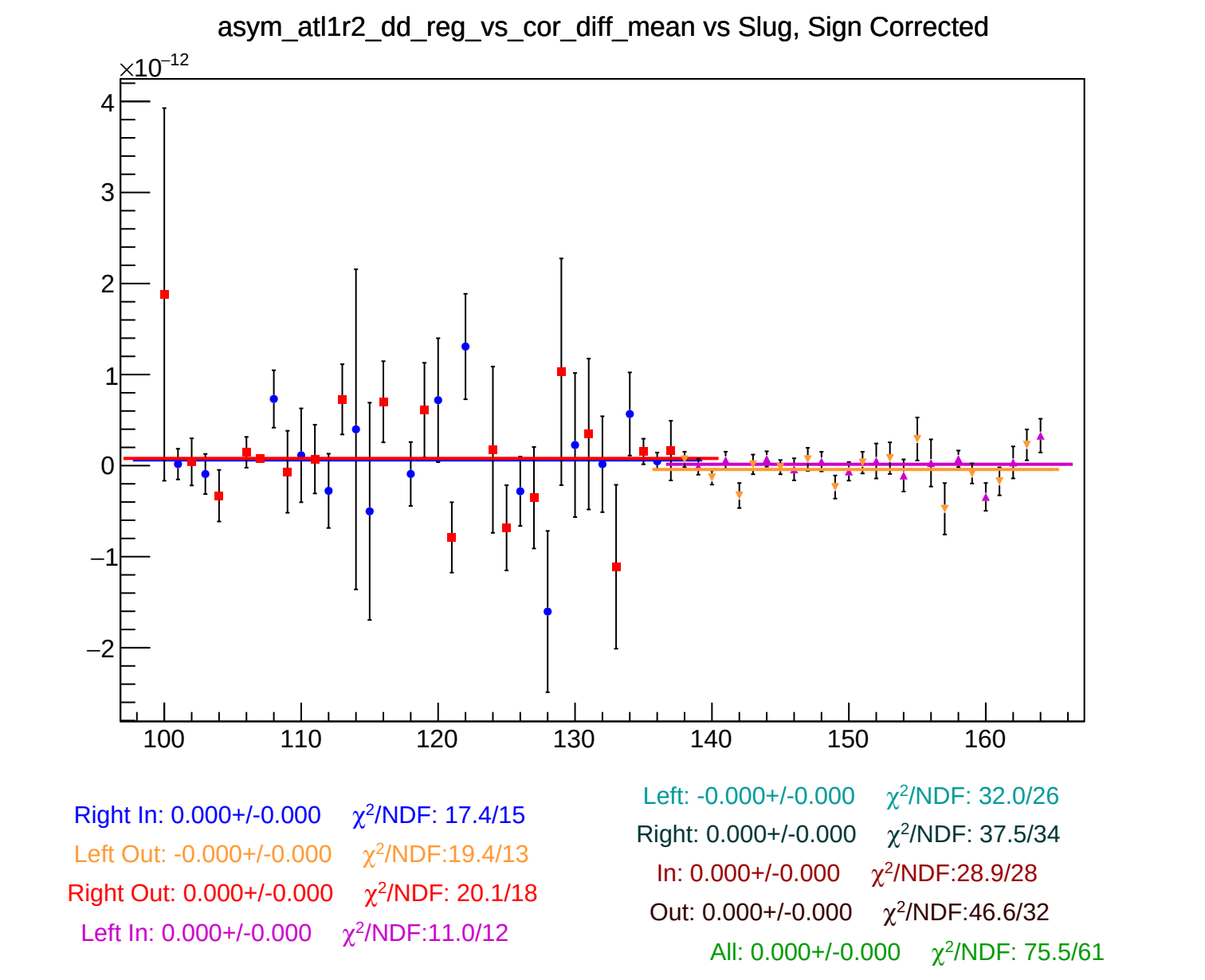
Left: 4167.546+/-0.635 χ^2/NDF: 1024983.1/26

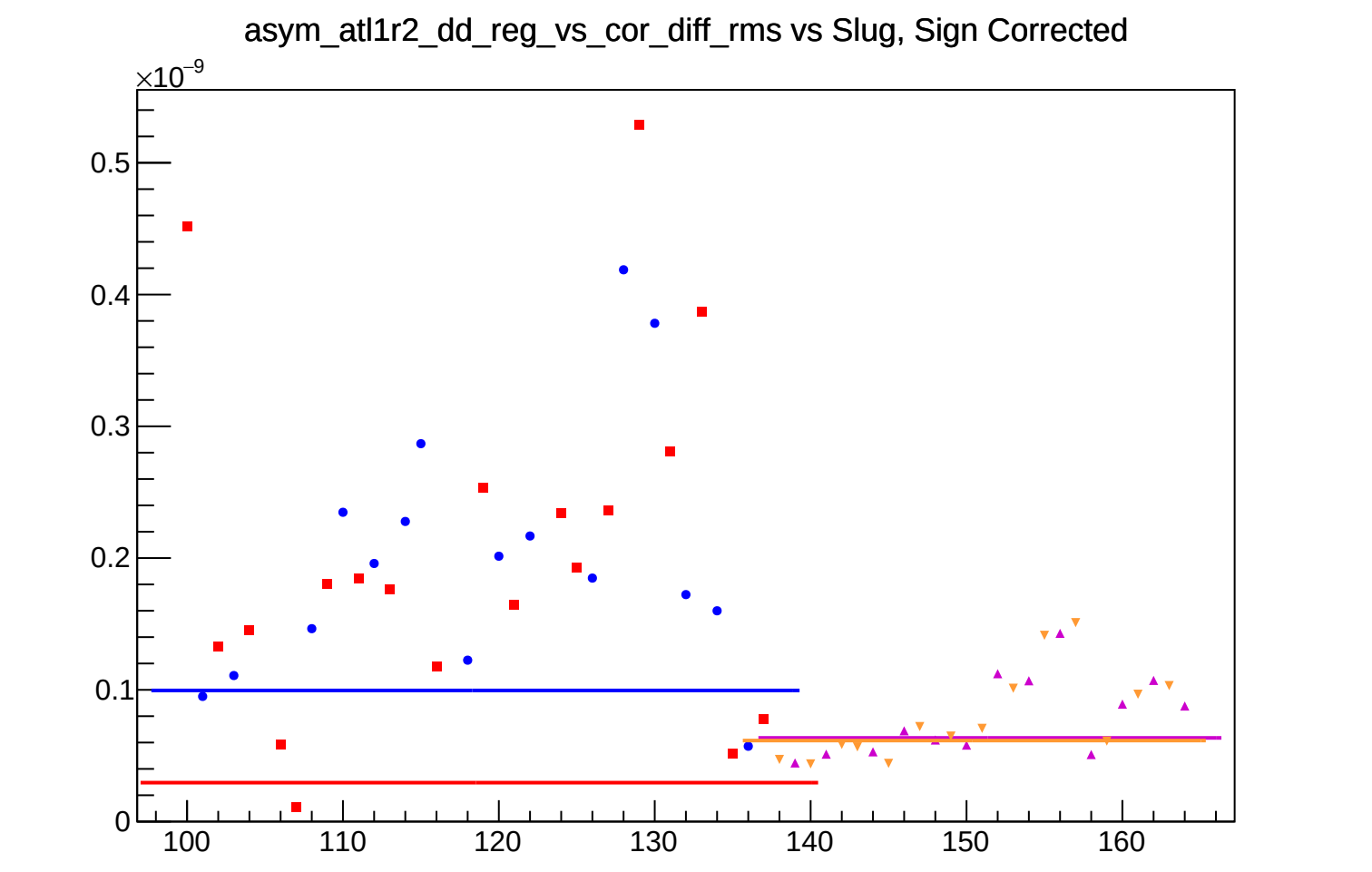
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4279.227+/-0.721 χ^2/NDF:1017431.9/28

Out: 4086.845+/-0.688 χ^2/NDF:1654596.0/32

All: 4178.530+/-0.498 χ^2/NDF: 2709282.4/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:19.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:11.0/12
Left: -0.000+/-0.000 χ²/NDF: 32.0/26
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:28.9/28
Out: 0.000+/-0.000 χ²/NDF:46.6/32
All: 0.000+/-0.000 χ²/NDF: 75.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1050272.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:857570.9/12

Left: 0.000+/-0.000 χ^2/NDF: 1911771.0/26

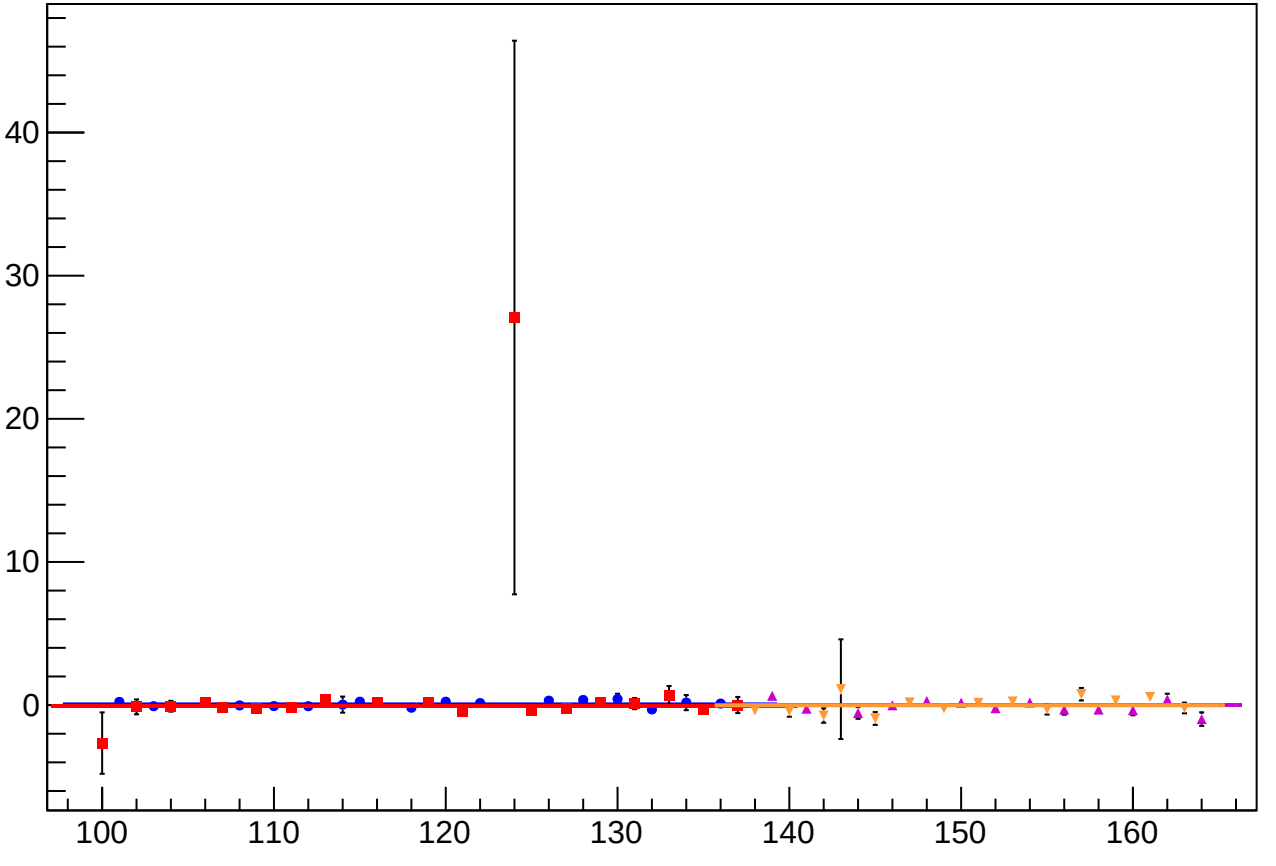
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2874785.7/28

Out: 0.000+/-0.000 χ^2/NDF:6393259.7/32

All: 0.000+/-0.000 χ^2/NDF: 10080403.2/61

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: -0.012+/-0.095 χ^2/NDF:18.7/13

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.006+/-0.089 χ^2/NDF:19.9/12

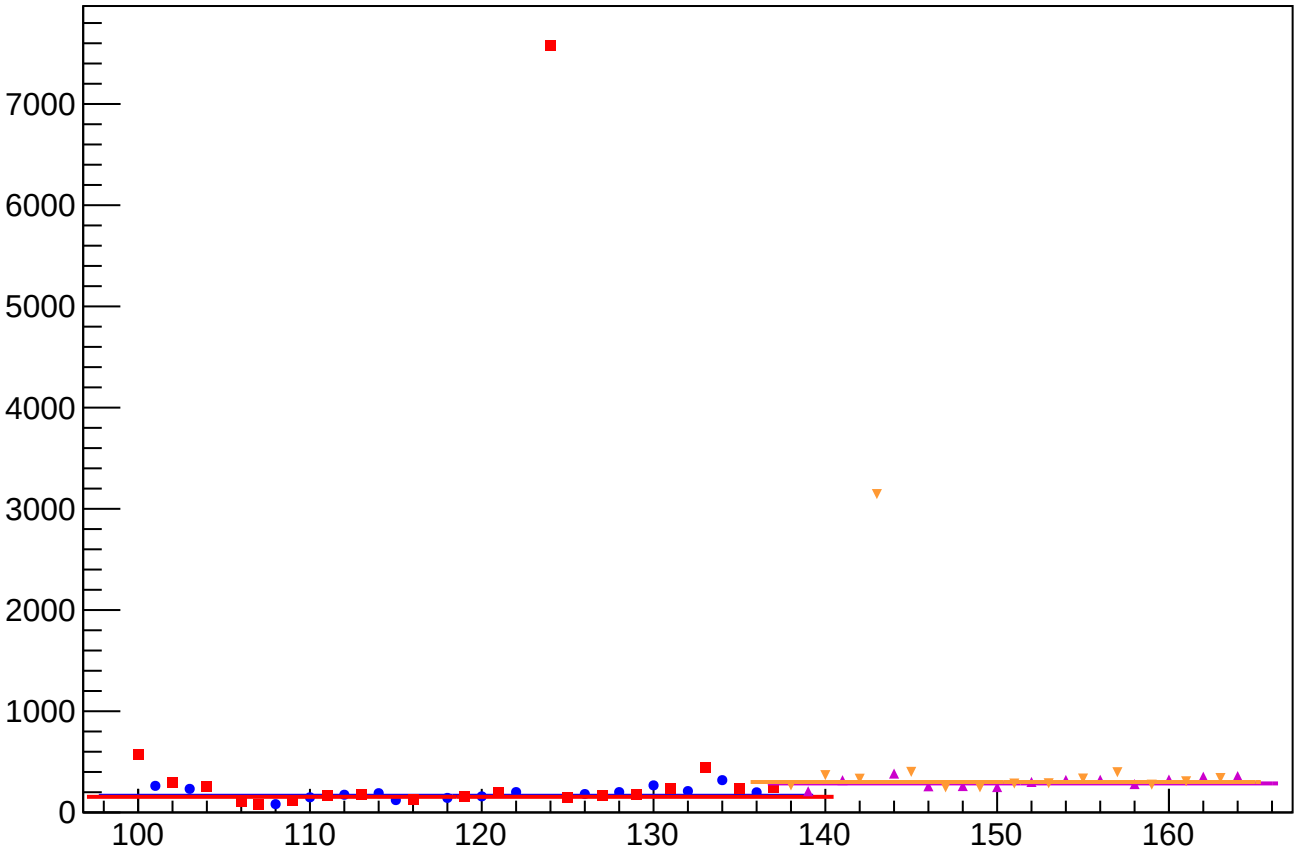
Left: -0.003+/-0.065 χ^2/NDF: 38.7/26

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.033+/-0.053 χ^2/NDF:27.7/28

Out: -0.046+/-0.053 χ^2/NDF:37.3/32

All: -0.006+/-0.038 χ^2/NDF: 66.1/61



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 300.889+/-0.067 χ^2/NDF:1832729.1/13

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 286.837+/-0.063 χ^2/NDF:585864.0/12

Left: 293.421+/-0.046 χ^2/NDF: 2442068.6/26

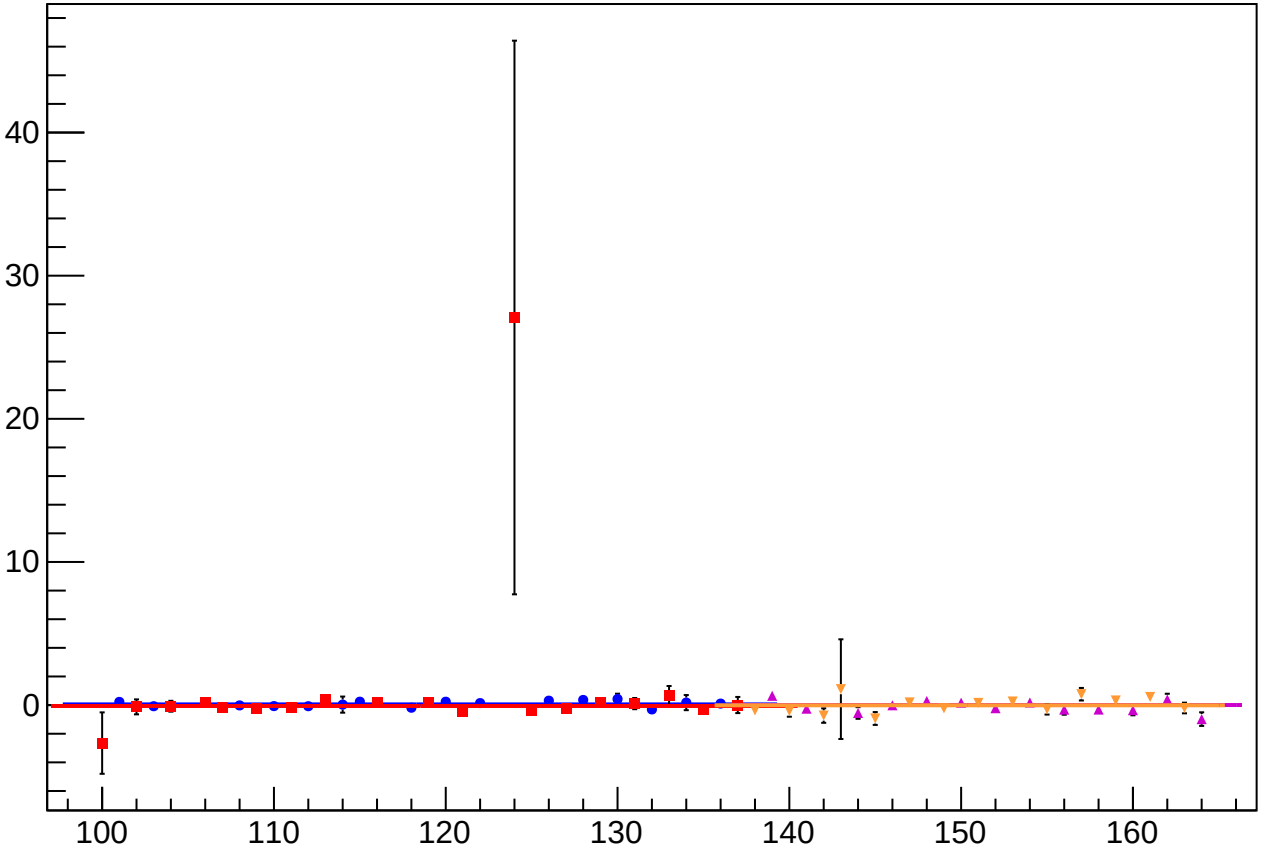
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 208.620+/-0.038 χ^2/NDF:4481269.4/28

Out: 200.815+/-0.038 χ^2/NDF:7033677.4/32

All: 204.721+/-0.027 χ^2/NDF: 11536471.1/61

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: -0.012+/-0.095 χ^2/NDF:18.7/13

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.006+/-0.089 χ^2/NDF:19.9/12

Left: -0.003+/-0.065 χ^2/NDF: 38.7/26

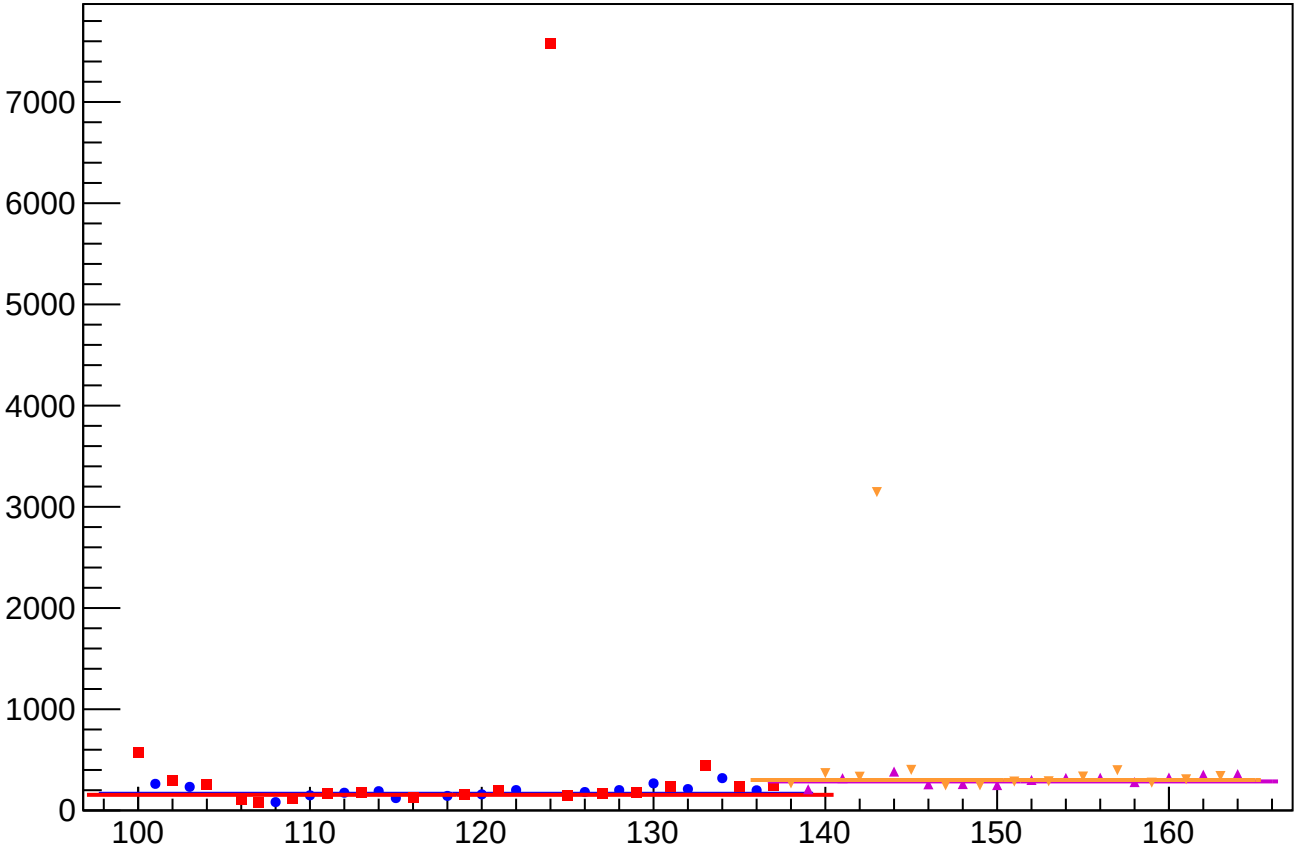
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.033+/-0.053 χ^2/NDF:27.7/28

Out: -0.046+/-0.053 χ^2/NDF:37.3/32

All: -0.006+/-0.038 χ^2/NDF: 66.1/61

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 300.889+/-0.067 χ^2/NDF:1832729.1/13

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 286.837+/-0.063 χ^2/NDF:585864.0/12

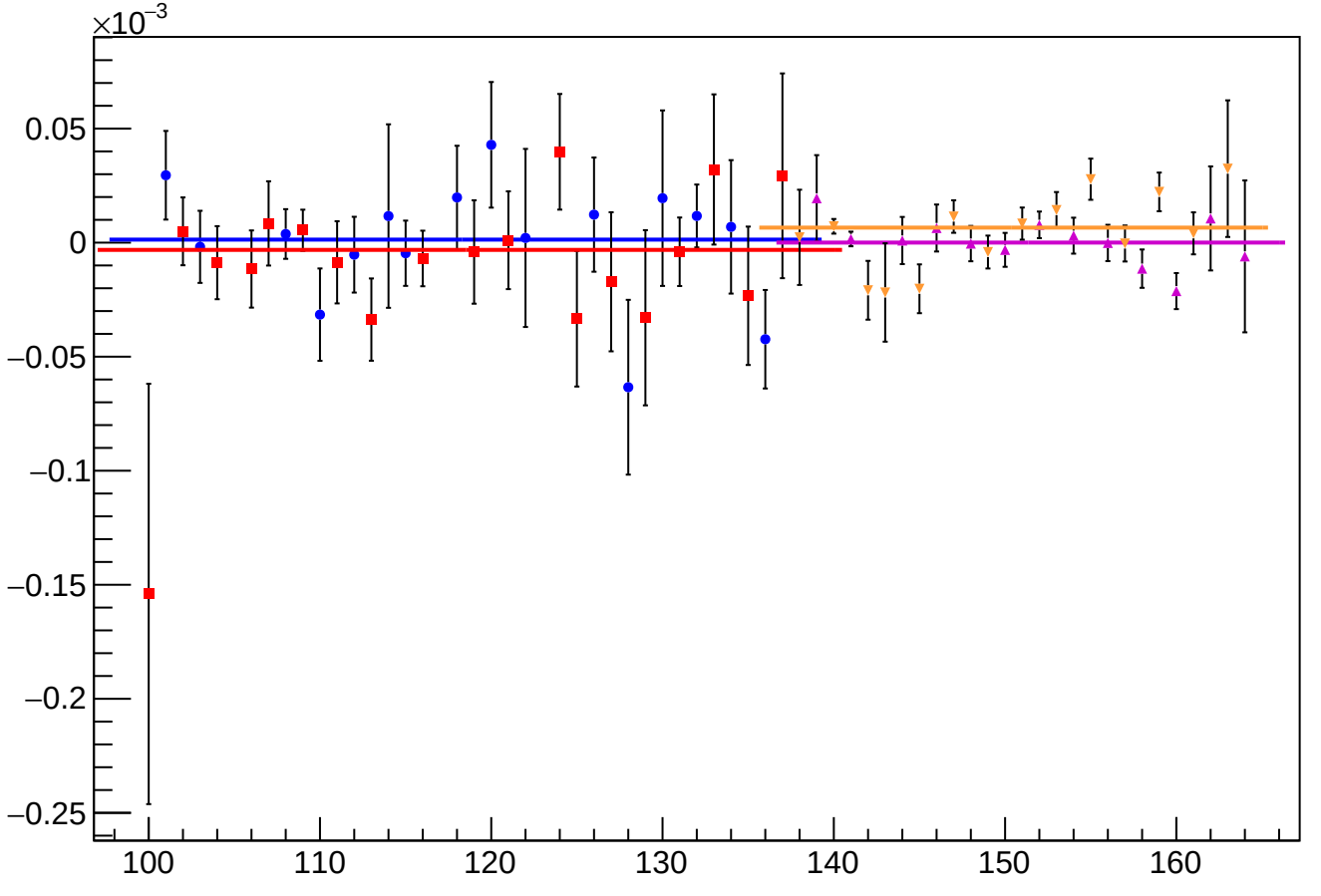
Left: 293.421+/-0.046 χ^2/NDF: 2442068.6/26

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 208.620+/-0.038 χ^2/NDF:4481269.4/28

Out: 200.815+/-0.038 χ^2/NDF:7033677.4/32

All: 204.721+/-0.027 χ^2/NDF: 11536471.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/12

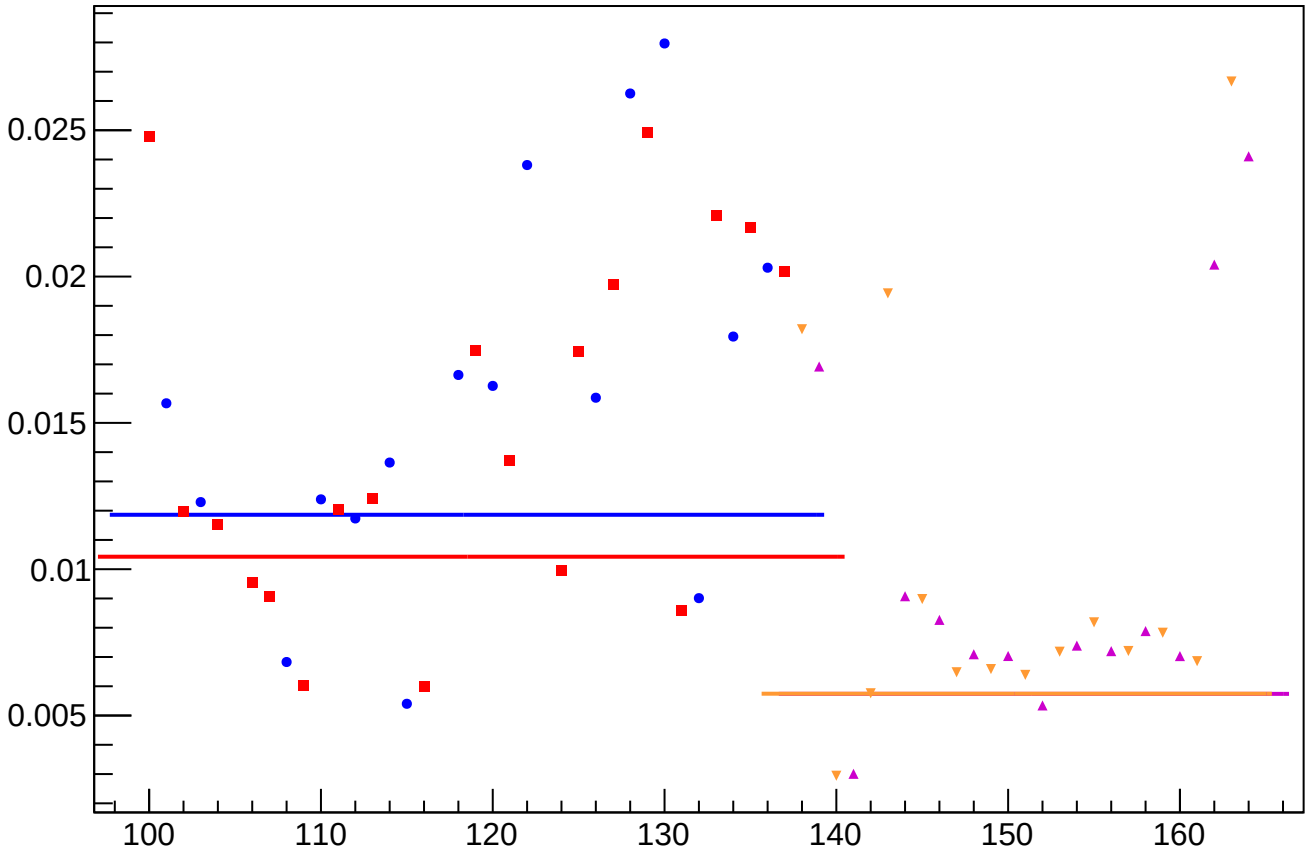
Left: 0.000+/-0.000 χ^2/NDF: 45.3/26

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:29.3/28

Out: 0.000+/-0.000 χ^2/NDF:45.8/32

All: 0.000+/-0.000 χ^2/NDF: 78.2/61



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:4693909.5/13

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:4386850.8/12

Left: 0.006+/-0.000 χ^2/NDF: 9080767.7/26

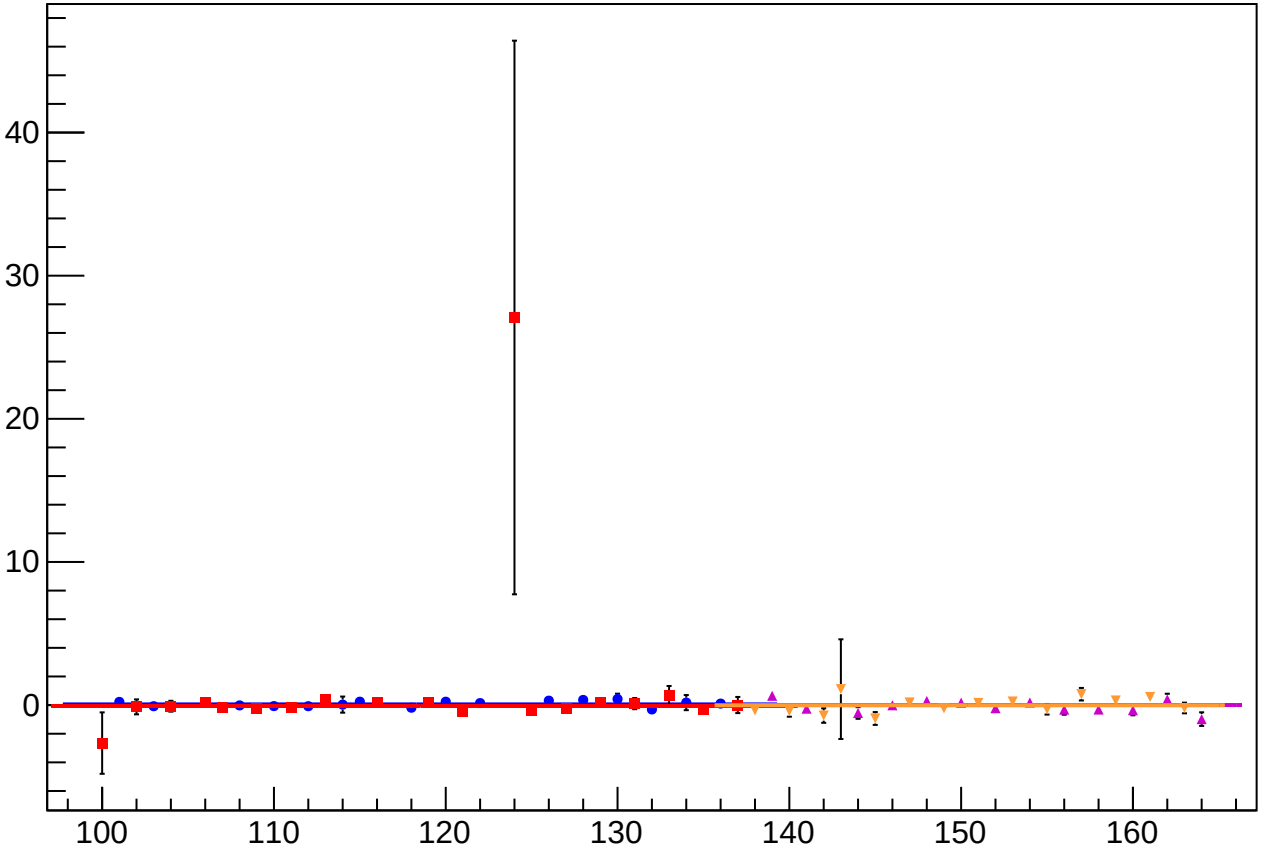
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.007+/-0.000 χ^2/NDF:9489507.6/28

Out: 0.007+/-0.000 χ^2/NDF:9039452.7/32

All: 0.007+/-0.000 χ^2/NDF: 18529077.1/61

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: -0.012+/-0.095 χ^2/NDF:18.7/13

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.006+/-0.089 χ^2/NDF:19.9/12

Left: -0.003+/-0.065 χ^2/NDF: 38.7/26

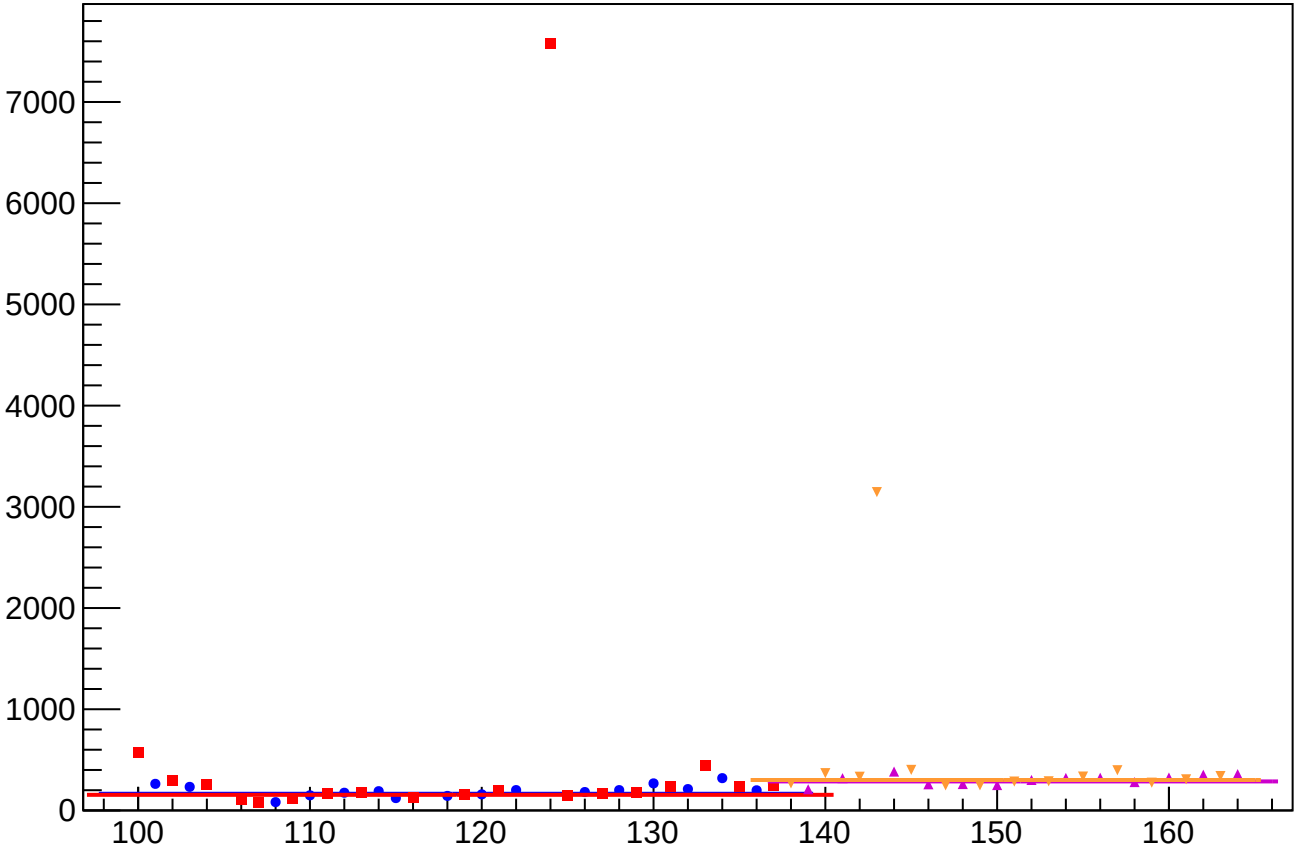
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.033+/-0.053 χ^2/NDF:27.7/28

Out: -0.046+/-0.053 χ^2/NDF:37.3/32

All: -0.006+/-0.038 χ^2/NDF: 66.1/61

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 300.893+/-0.067 χ^2/NDF:1832713.1/13

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 286.841+/-0.063 χ^2/NDF:585857.2/12

Left: 293.425+/-0.046 χ^2/NDF: 2442046.9/26

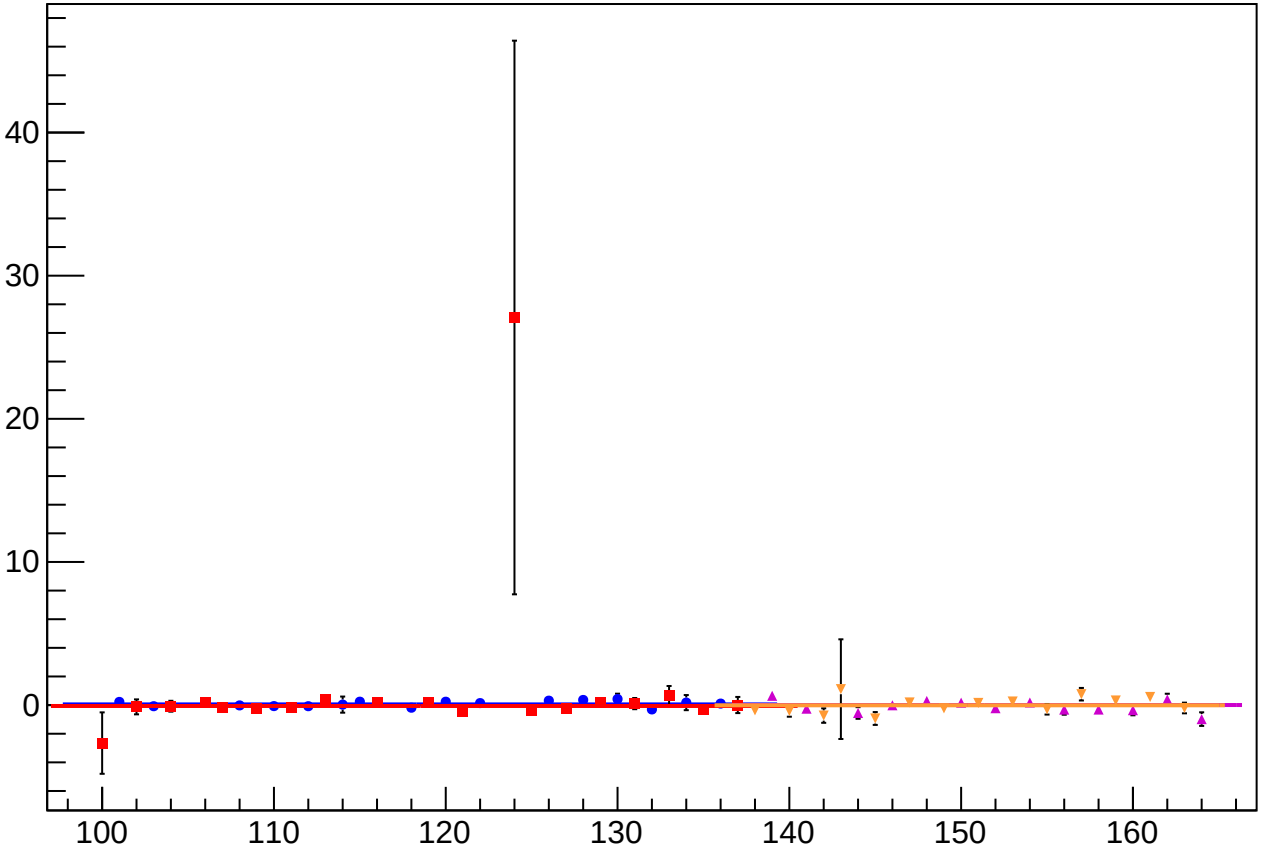
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 208.621+/-0.038 χ^2/NDF:4481365.6/28

Out: 200.815+/-0.038 χ^2/NDF:7033837.7/32

All: 204.722+/-0.027 χ^2/NDF: 11536727.9/61

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: -0.012+/-0.095 χ^2/NDF:18.7/13

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.006+/-0.089 χ^2/NDF:19.9/12

Left: -0.003+/-0.065 χ^2/NDF: 38.7/26

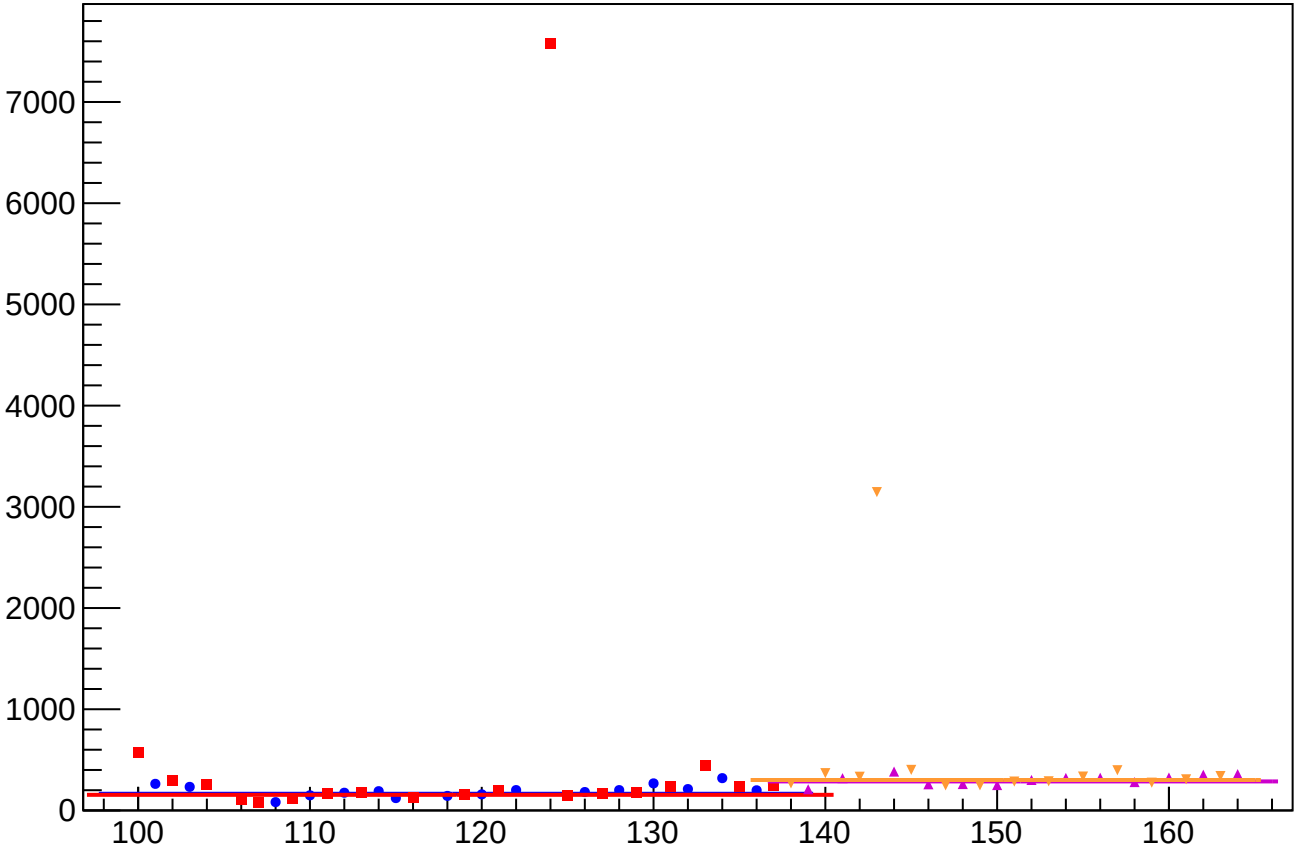
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.033+/-0.053 χ^2/NDF:27.7/28

Out: -0.046+/-0.053 χ^2/NDF:37.3/32

All: -0.006+/-0.038 χ^2/NDF: 66.1/61

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: 300.893+/-0.067 χ^2/NDF:1832713.1/13

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 286.841+/-0.063 χ^2/NDF:585857.2/12

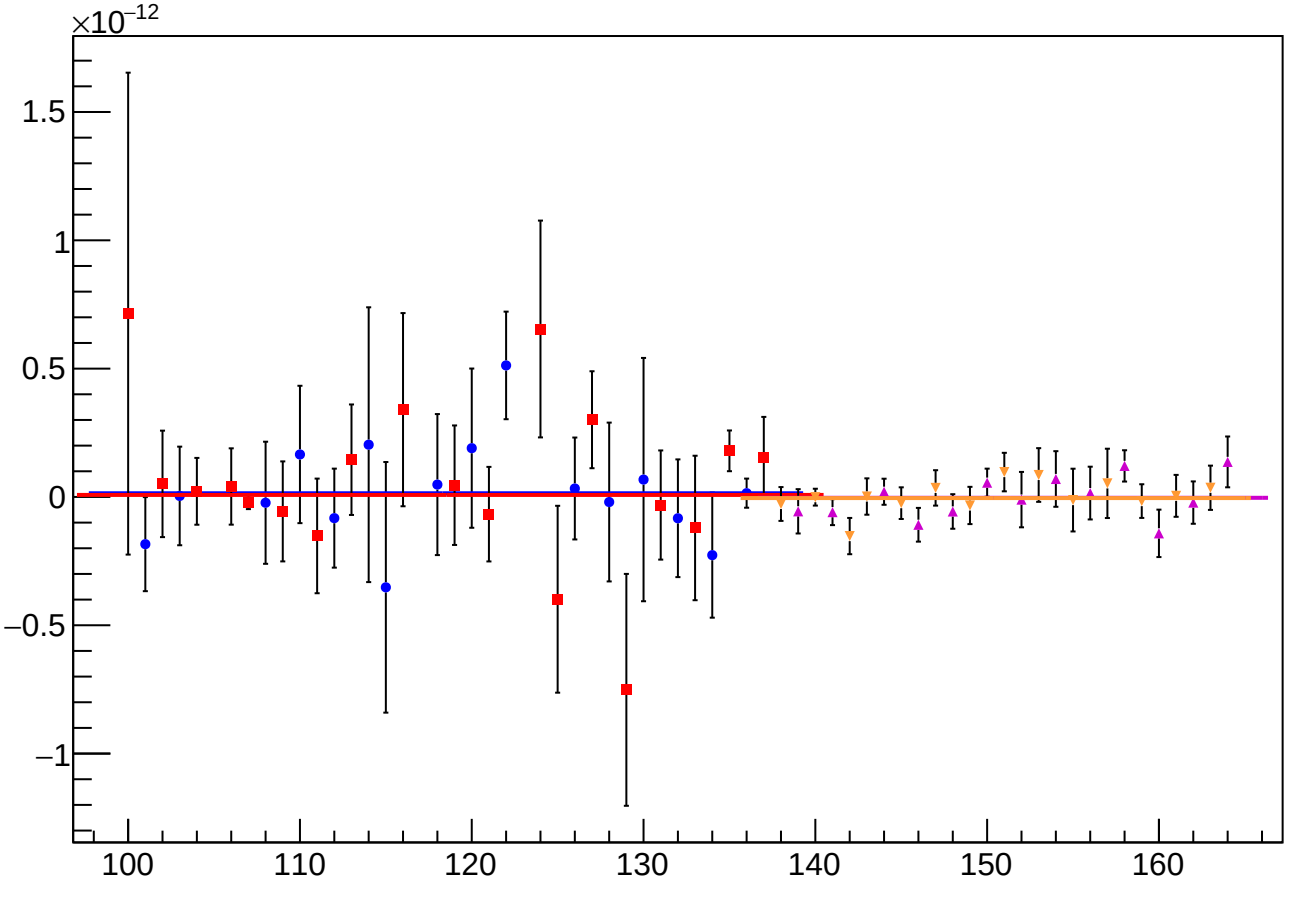
Left: 293.425+/-0.046 χ^2/NDF: 2442046.9/26

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 208.621+/-0.038 χ^2/NDF:4481365.6/28

Out: 200.815+/-0.038 χ^2/NDF:7033837.7/32

All: 204.722+/-0.027 χ^2/NDF: 11536727.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/12

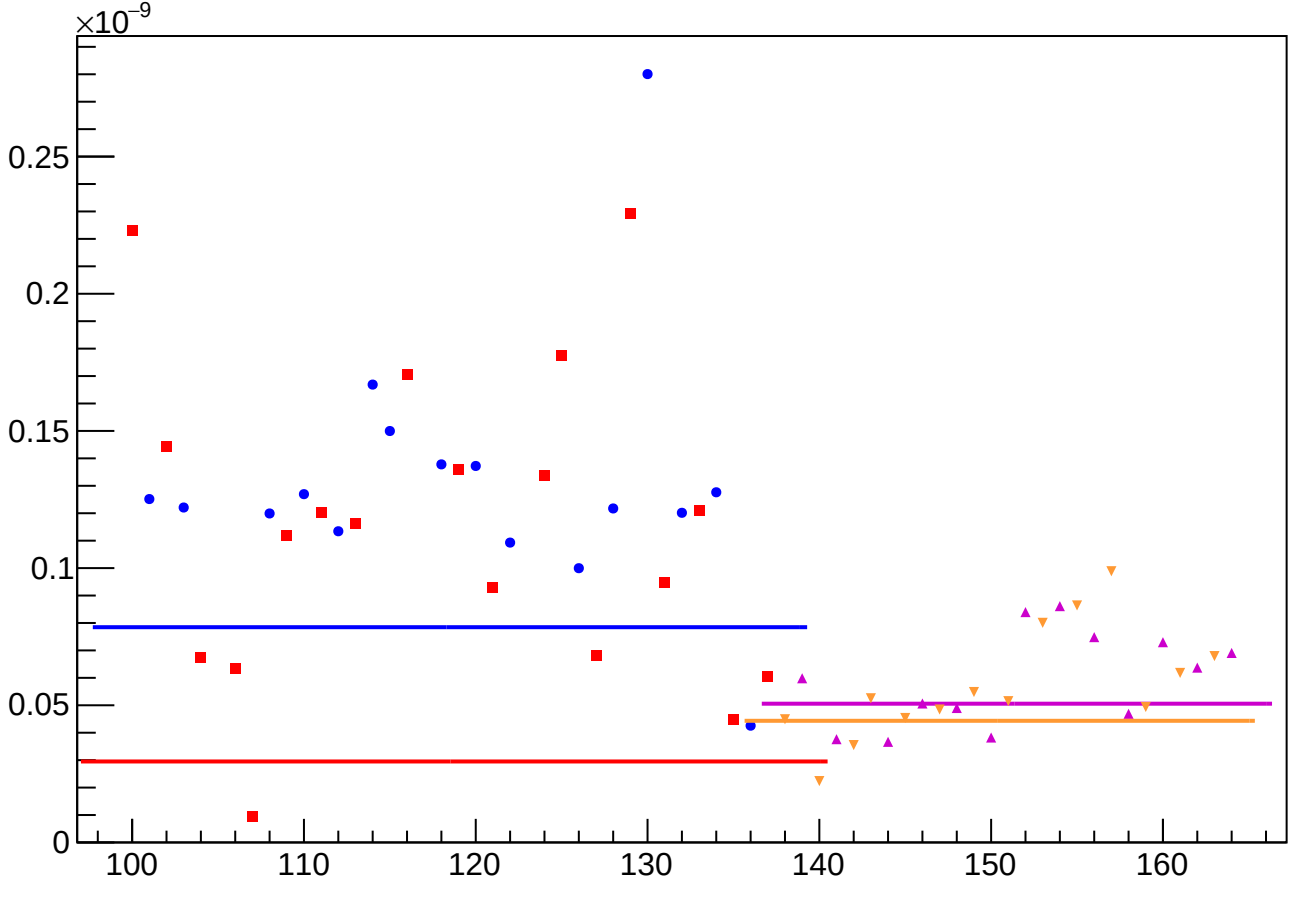
Left: -0.000+/-0.000 χ^2/NDF: 23.2/26

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:24.9/28

Out: 0.000+/-0.000 χ^2/NDF:26.7/32

All: 0.000+/-0.000 χ^2/NDF: 51.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2071514.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1170128.6/12

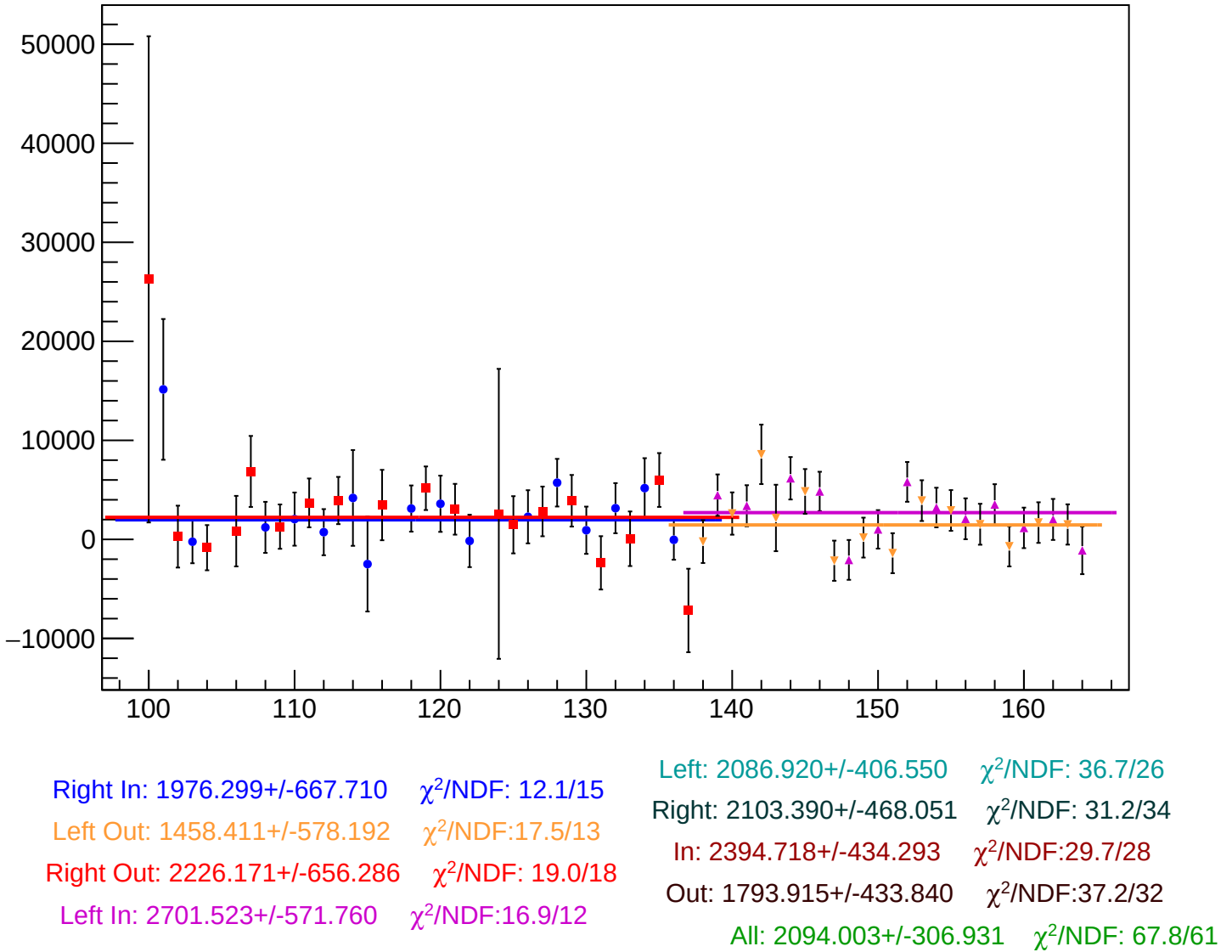
Left: 0.000+/-0.000 χ^2/NDF: 3351950.8/26

Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

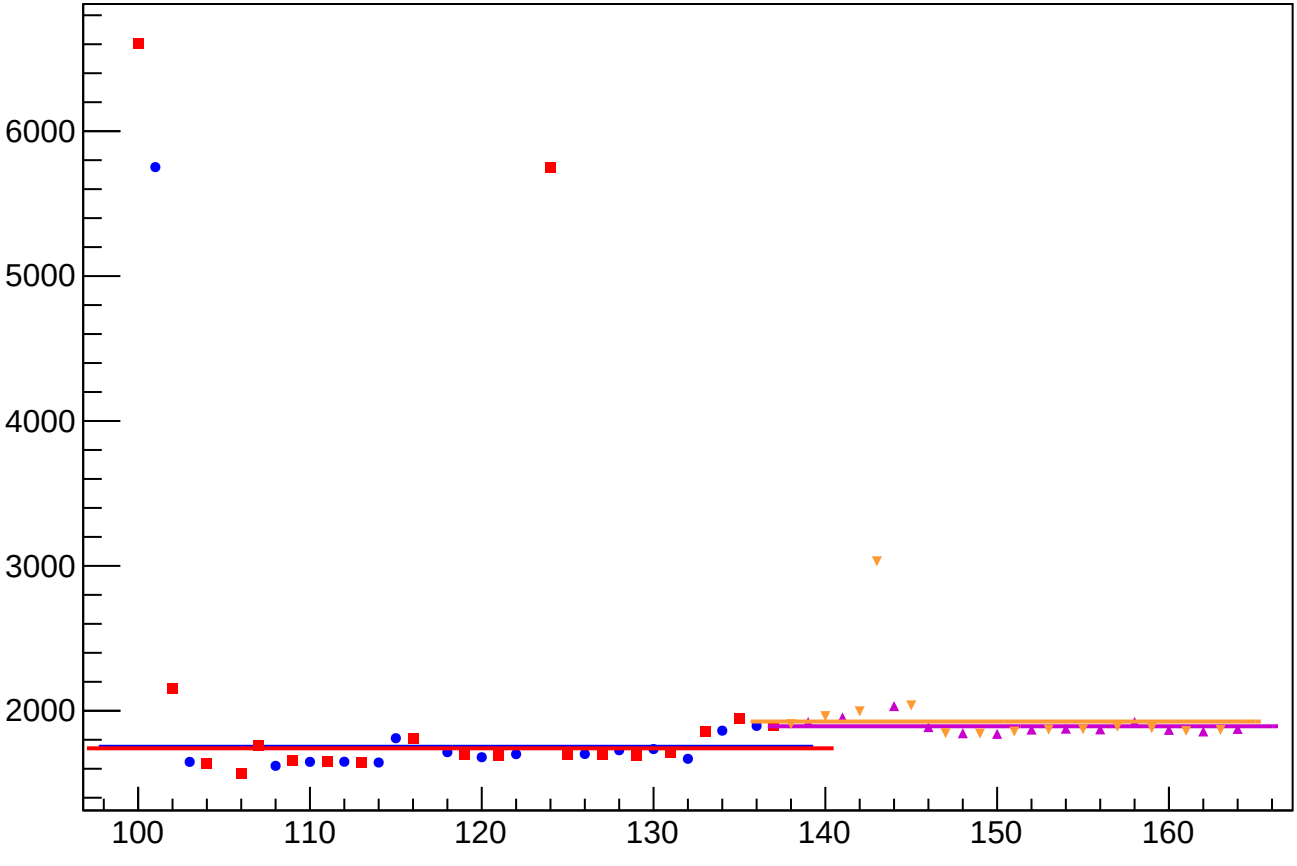
In: 0.000+/-0.000 χ^2/NDF:3985498.6/28

Out: 0.000+/-0.000 χ^2/NDF:8078692.0/32

All: 0.000+/-0.000 χ^2/NDF: 13152035.3/61


reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 1976.299+/-667.710 χ²/NDF: 12.1/15
Left Out: 1458.411+/-578.192 χ²/NDF:17.5/13
Right Out: 2226.171+/-656.286 χ²/NDF: 19.0/18
Left In: 2701.523+/-571.760 χ²/NDF:16.9/12
Left: 2086.920+/-406.550 χ²/NDF: 36.7/26
Right: 2103.390+/-468.051 χ²/NDF: 31.2/34
In: 2394.718+/-434.293 χ²/NDF:29.7/28
Out: 1793.915+/-433.840 χ²/NDF:37.2/32
All: 2094.003+/-306.931 χ²/NDF: 67.8/61

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1925.885+/-0.409 χ^2/NDF:240752.1/13

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1893.058+/-0.404 χ^2/NDF:15278.5/12

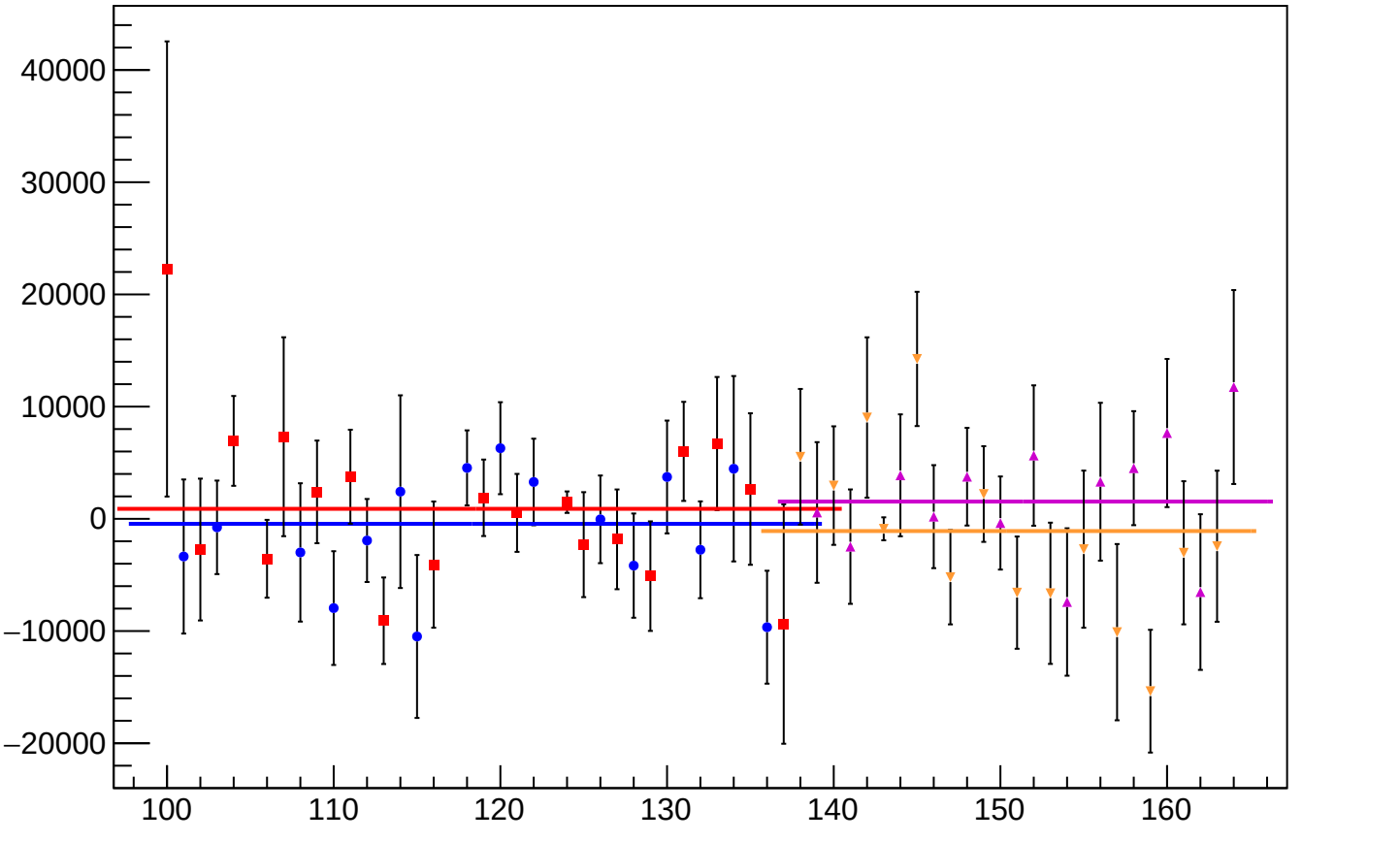
Left: 1909.288+/-0.287 χ^2/NDF: 259290.1/26

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1833.217+/-0.307 χ^2/NDF:737715.2/28

Out: 1844.443+/-0.306 χ^2/NDF:635463.8/32

All: 1838.854+/-0.217 χ^2/NDF: 1373850.0/61



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -1088.216+/-857.246 χ^2/NDF:22.2/13

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 1538.308+/-1541.267 χ^2/NDF:7.7/12

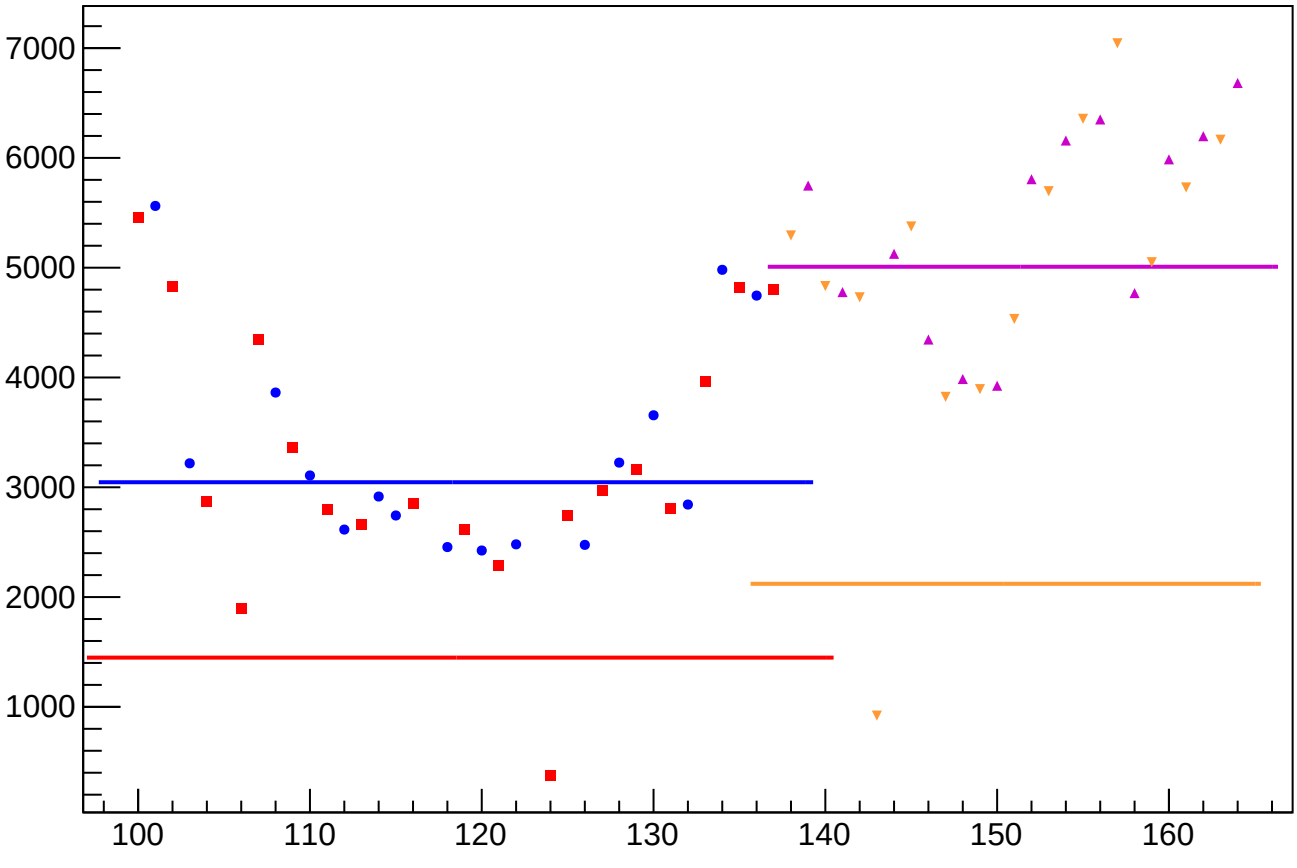
Left: -467.661+/-749.164 χ^2/NDF: 32.2/26

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 284.023+/-934.150 χ^2/NDF:24.7/28

Out: 65.413+/-553.898 χ^2/NDF:45.4/32

All: 122.279+/-476.440 χ^2/NDF: 70.1/61



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2120.906+/-0.606 χ^2/NDF:9932128.0/13

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 5008.600+/-1.090 χ^2/NDF:670222.8/12

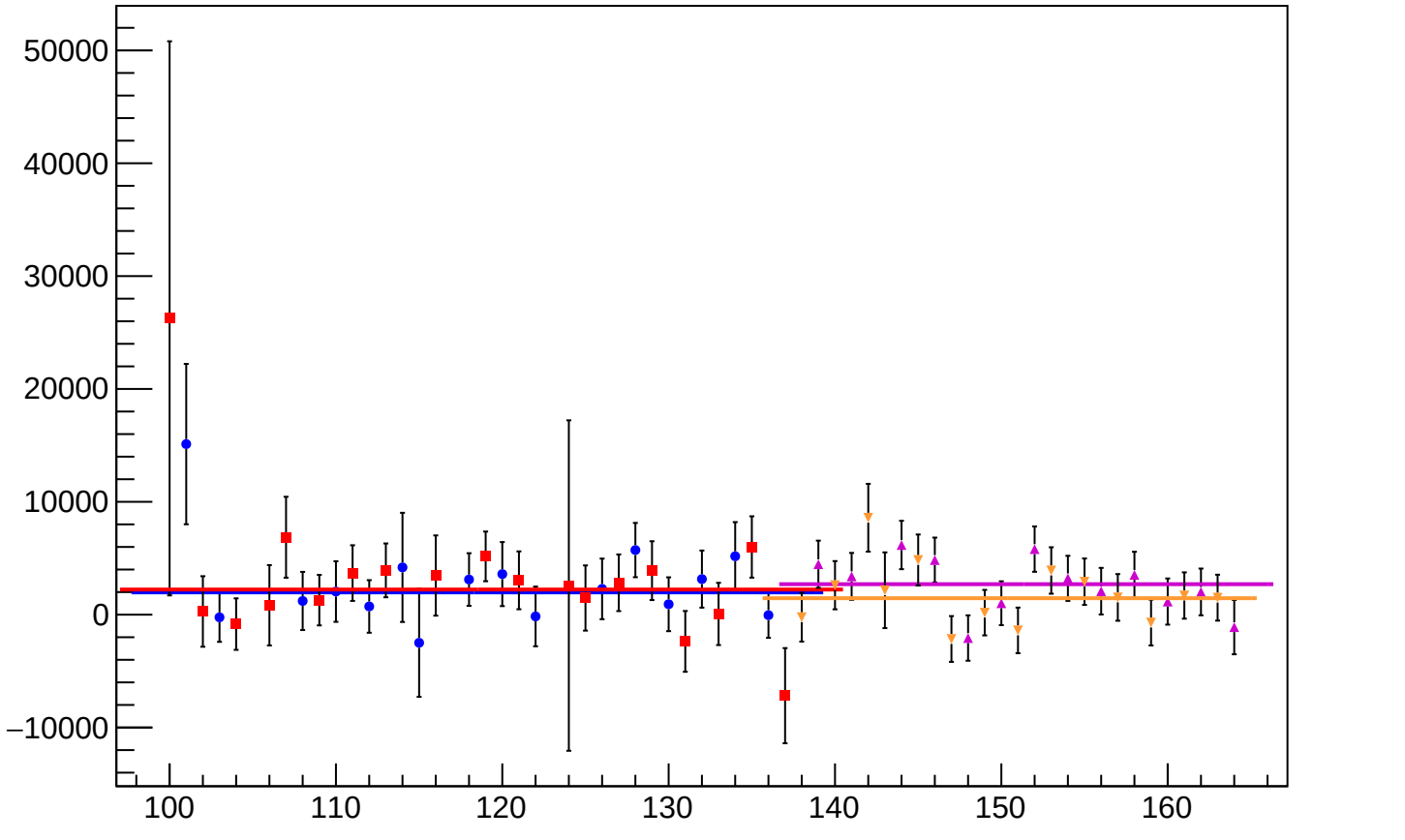
Left: 2803.166+/-0.530 χ^2/NDF: 15964262.5/26

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3766.904+/-0.661 χ^2/NDF:3629430.3/28

Out: 1729.236+/-0.392 χ^2/NDF:17435789.2/32

All: 2259.287+/-0.337 χ^2/NDF: 28106014.2/6



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1458.463+/-578.192 χ^2/NDF:17.5/13

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2701.622+/-571.760 χ^2/NDF:16.9/12

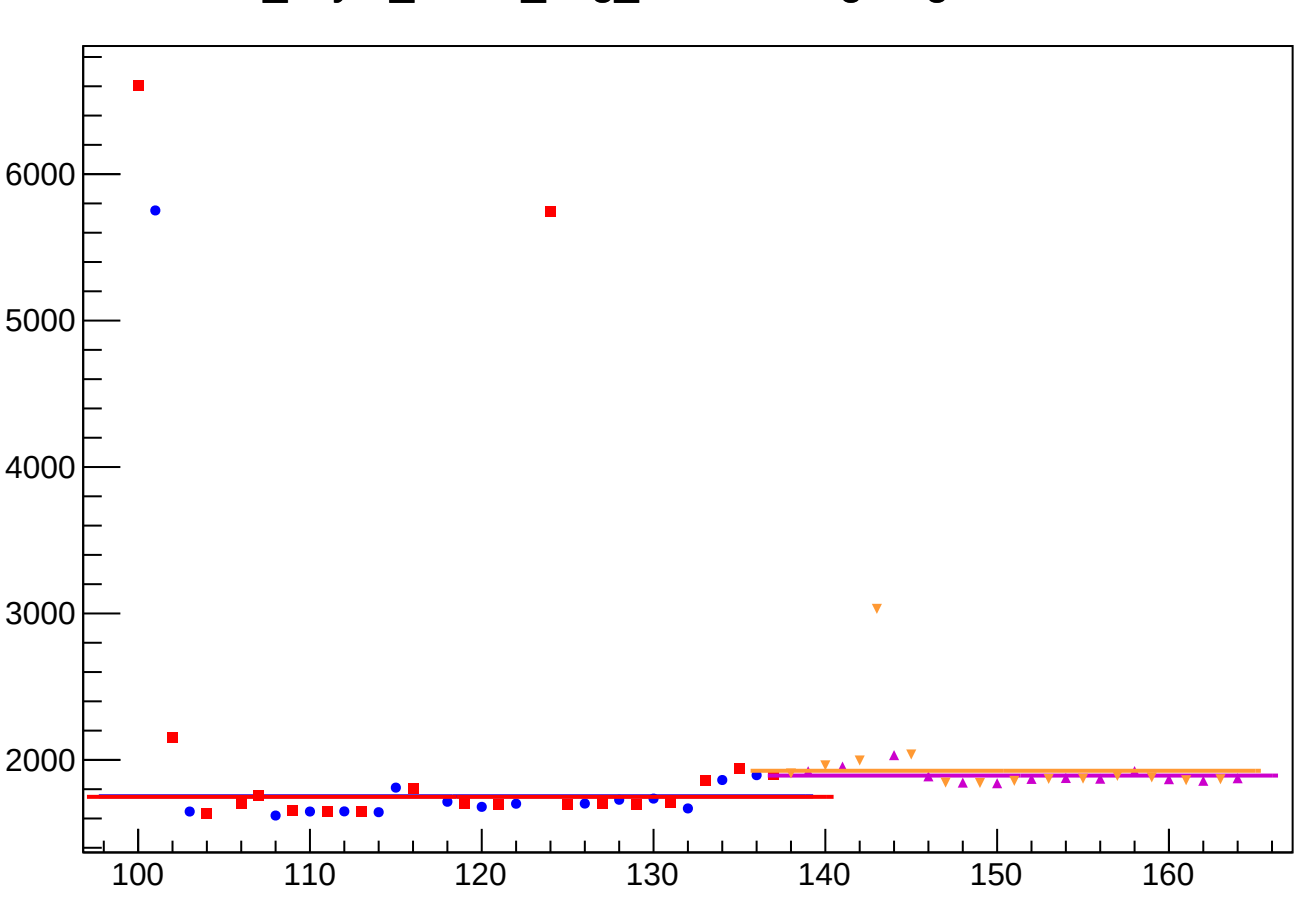
Left: 2086.996+/-406.550 χ^2/NDF: 36.7/26

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2394.626+/-434.293 χ^2/NDF:29.7/28

Out: 1793.987+/-433.840 χ^2/NDF:37.2/32

All: 2093.993+/-306.931 χ^2/NDF: 67.8/61



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1925.885+/-0.409 χ^2/NDF:240752.1/13

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1893.058+/-0.404 χ^2/NDF:15278.5/12

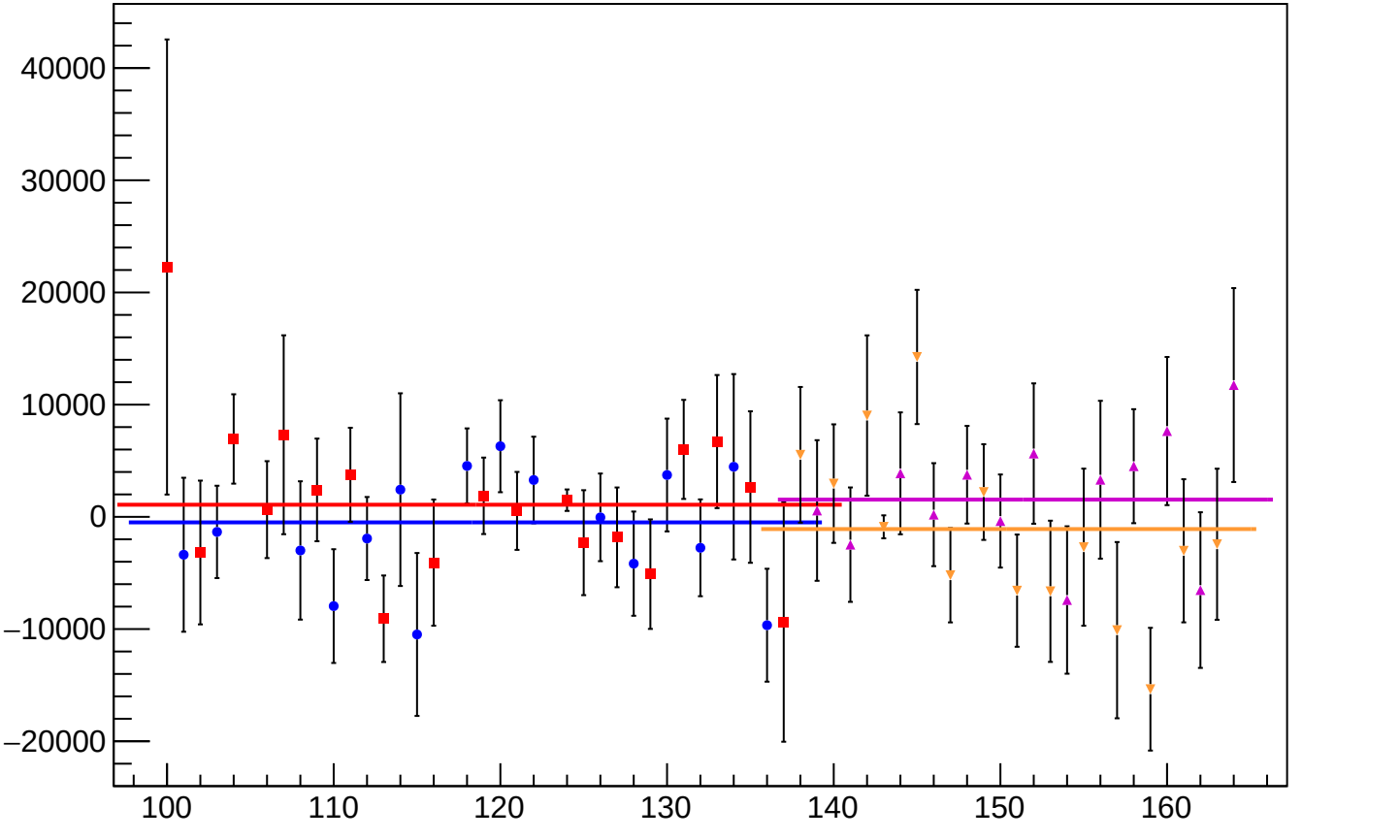
Left: 1909.288+/-0.287 χ^2/NDF: 259290.1/26

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1833.217+/-0.307 χ^2/NDF:737715.7/28

Out: 1847.728+/-0.306 χ^2/NDF:621944.3/32

All: 1840.492+/-0.217 χ^2/NDF: 1360779.5/61



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1088.014+/-857.221 χ^2/NDF:22.3/13

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1538.387+/-1541.266 χ^2/NDF:7.7/12

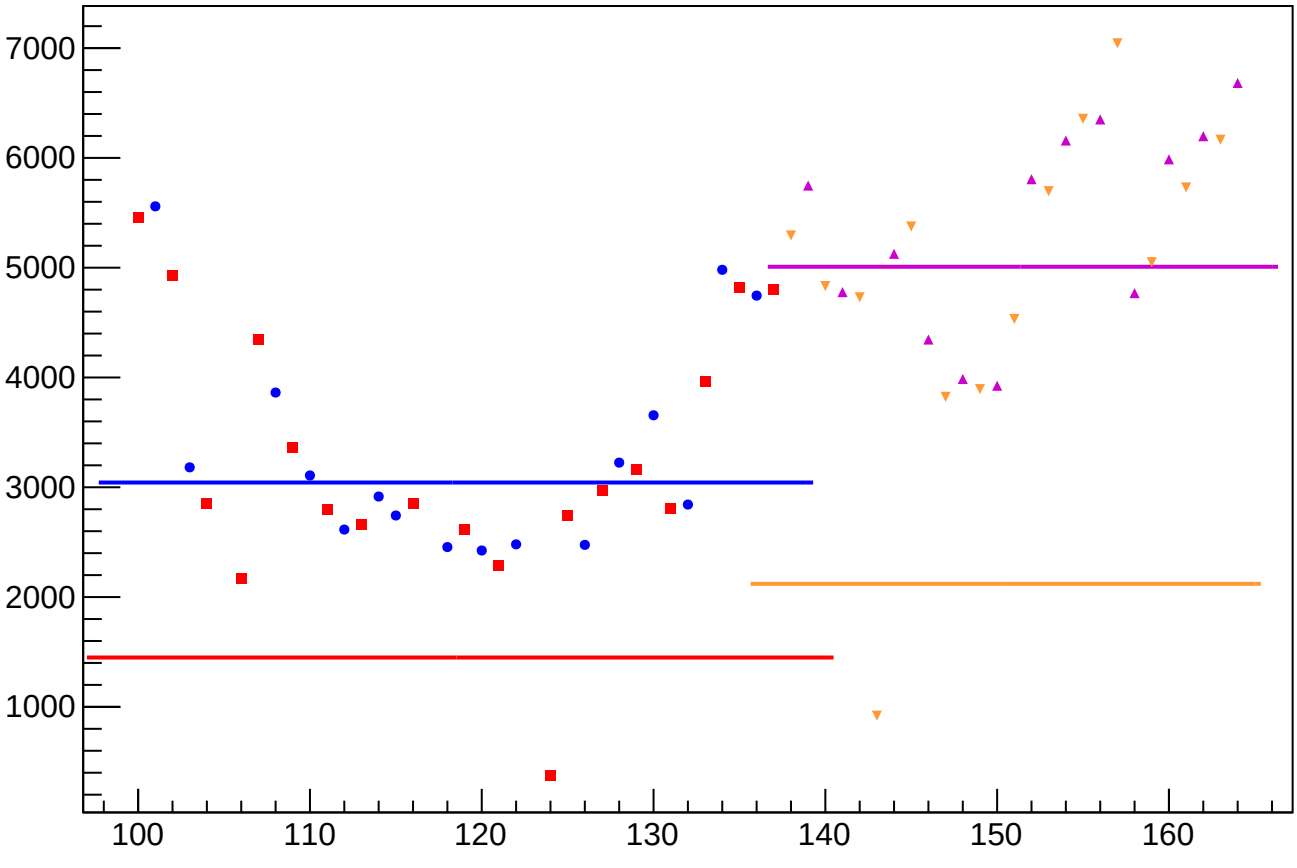
Left: -467.516+/-749.148 χ^2/NDF: 32.2/26

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 252.307+/-933.541 χ^2/NDF:24.8/28

Out: 167.084+/-556.422 χ^2/NDF:44.4/32

All: 189.423+/-477.962 χ^2/NDF: 69.2/61



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2120.810+/-0.606 χ^2/NDF:9932525.1/13

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5008.598+/-1.090 χ^2/NDF:670222.3/12

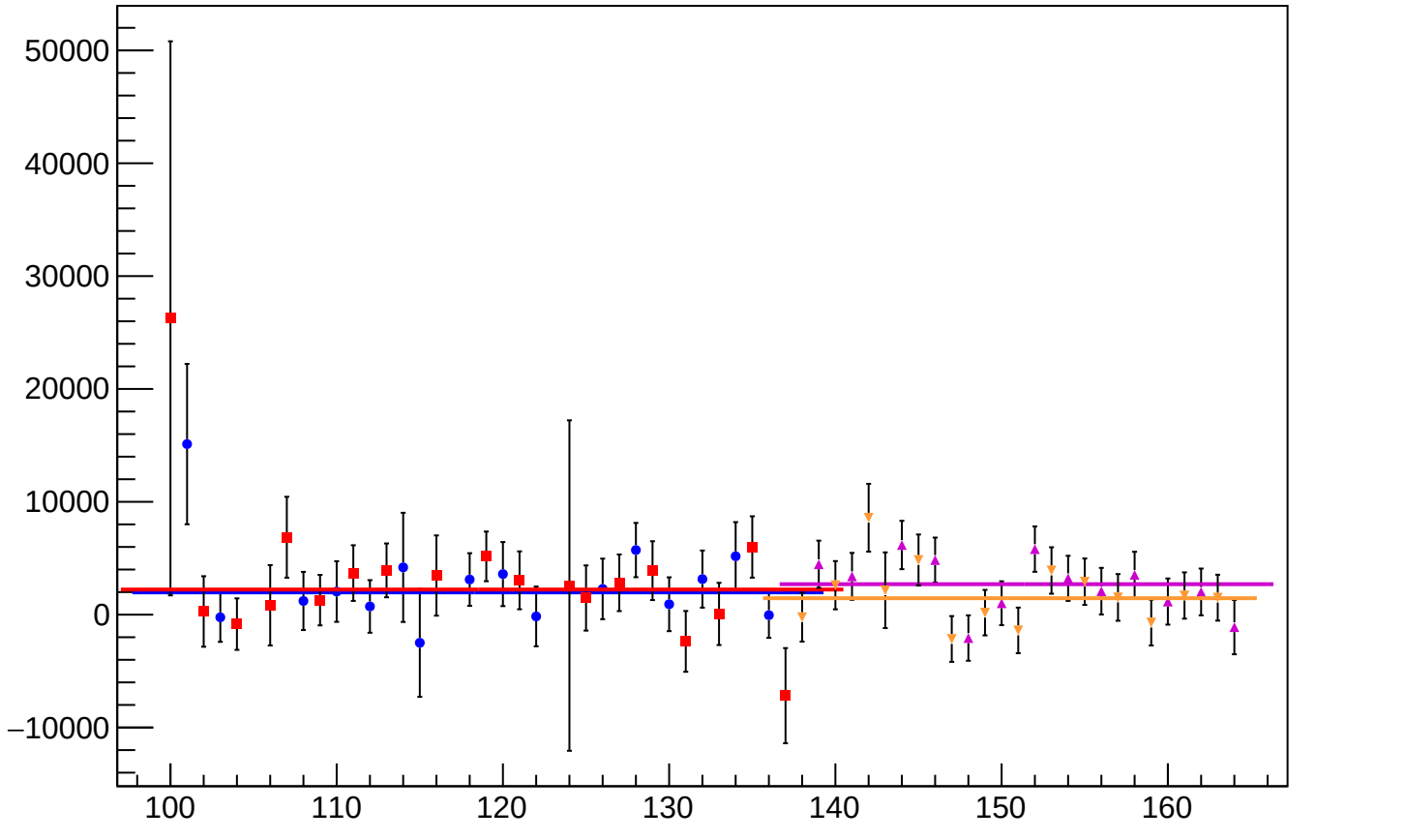
Left: 2803.063+/-0.530 χ^2/NDF: 15965085.2/26

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3764.289+/-0.660 χ^2/NDF:3634797.0/28

Out: 1732.353+/-0.393 χ^2/NDF:17467983.8/32

All: 2264.990+/-0.338 χ^2/NDF: 28094141.7/6



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1458.463+/-578.192 χ^2/NDF:17.5/13

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2701.622+/-571.760 χ^2/NDF:16.9/12

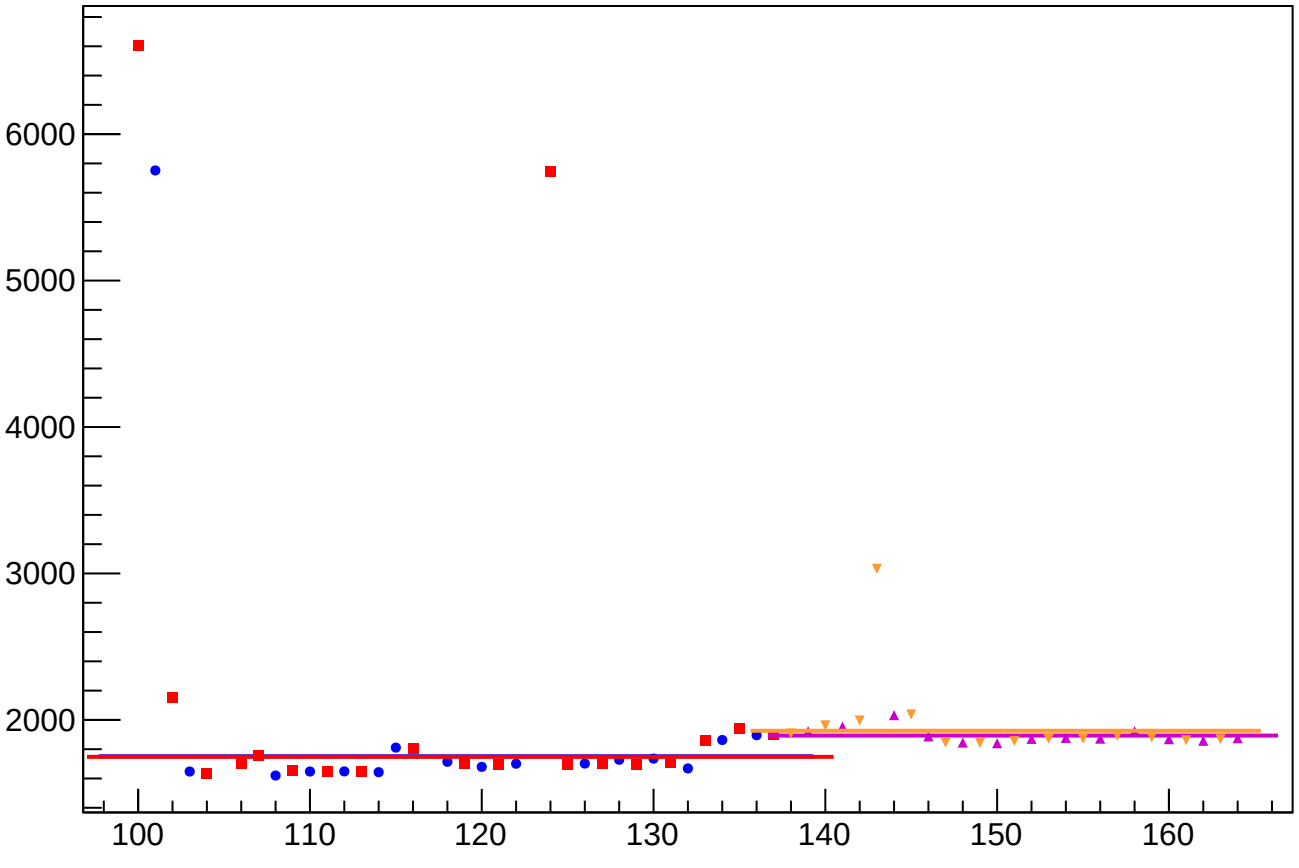
Left: 2086.996+/-406.550 χ^2/NDF: 36.7/26

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2394.626+/-434.293 χ^2/NDF:29.7/28

Out: 1793.987+/-433.840 χ^2/NDF:37.2/32

All: 2093.993+/-306.931 χ^2/NDF: 67.8/61



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1925.885+/-0.409 χ^2/NDF:240752.1/13

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1893.058+/-0.404 χ^2/NDF:15278.5/12

Left: 1909.288+/-0.287 χ^2/NDF: 259290.1/26

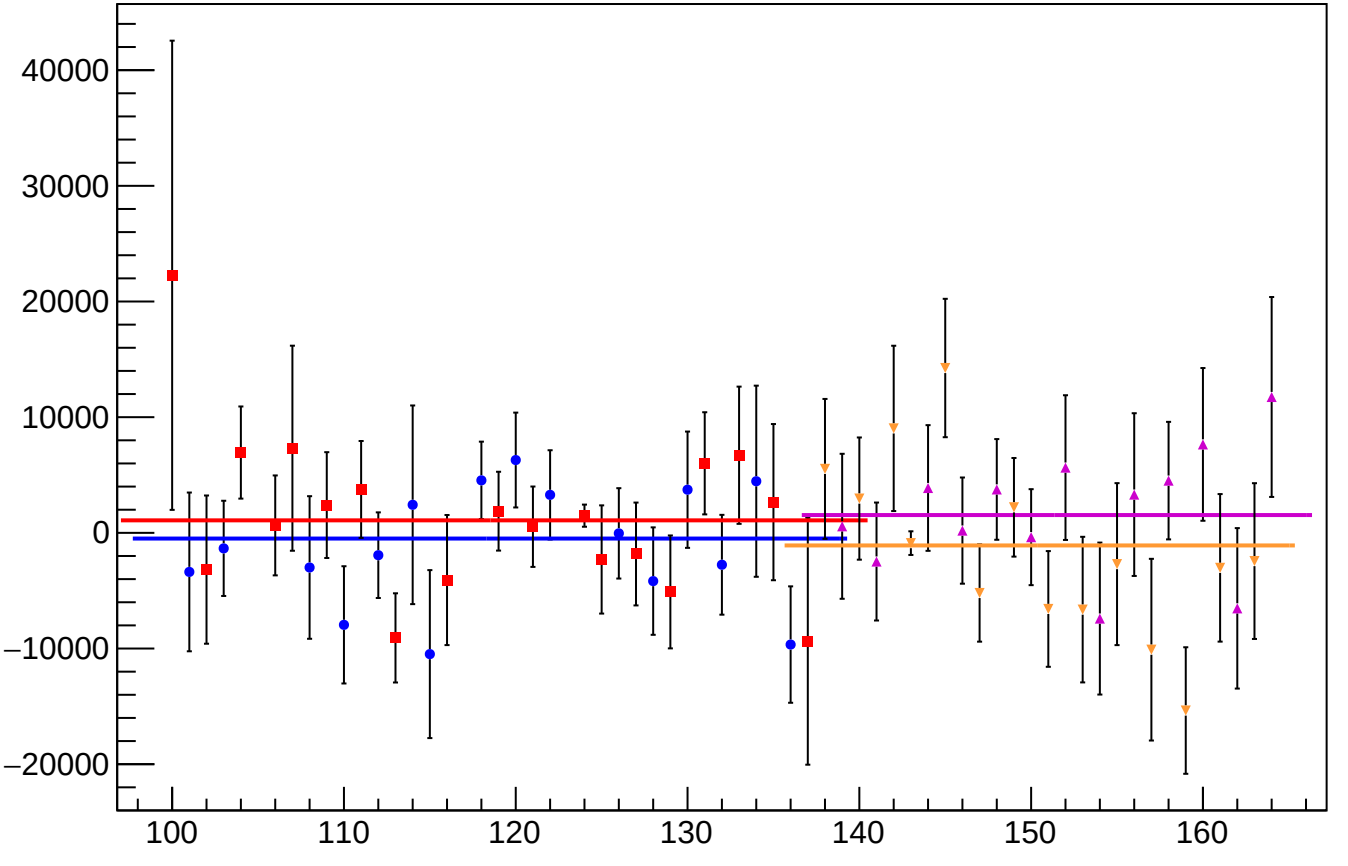
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1833.217+/-0.307 χ^2/NDF:737715.7/28

Out: 1847.728+/-0.306 χ^2/NDF:621944.3/32

All: 1840.492+/-0.217 χ^2/NDF: 1360779.5/61

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1088.014+/-857.221 χ^2/NDF:22.3/13

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1538.387+/-1541.266 χ^2/NDF:7.7/12

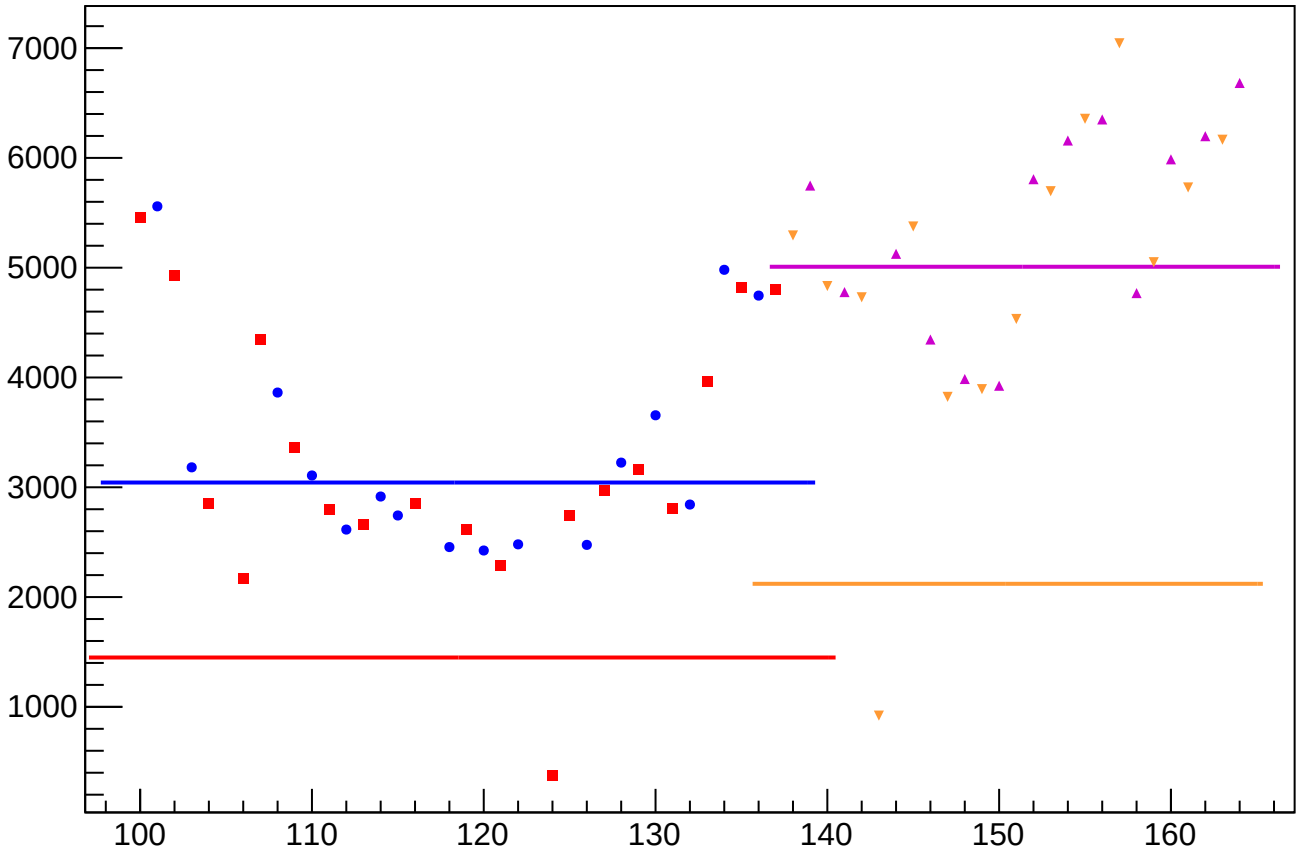
Left: -467.516+/-749.148 χ^2/NDF: 32.2/26

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 252.307+/-933.541 χ^2/NDF:24.8/28

Out: 167.084+/-556.422 χ^2/NDF:44.4/32

All: 189.423+/-477.962 χ^2/NDF: 69.2/61



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2120.810+/-0.606 χ^2/NDF:9932525.1/13

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5008.598+/-1.090 χ^2/NDF:670222.3/12

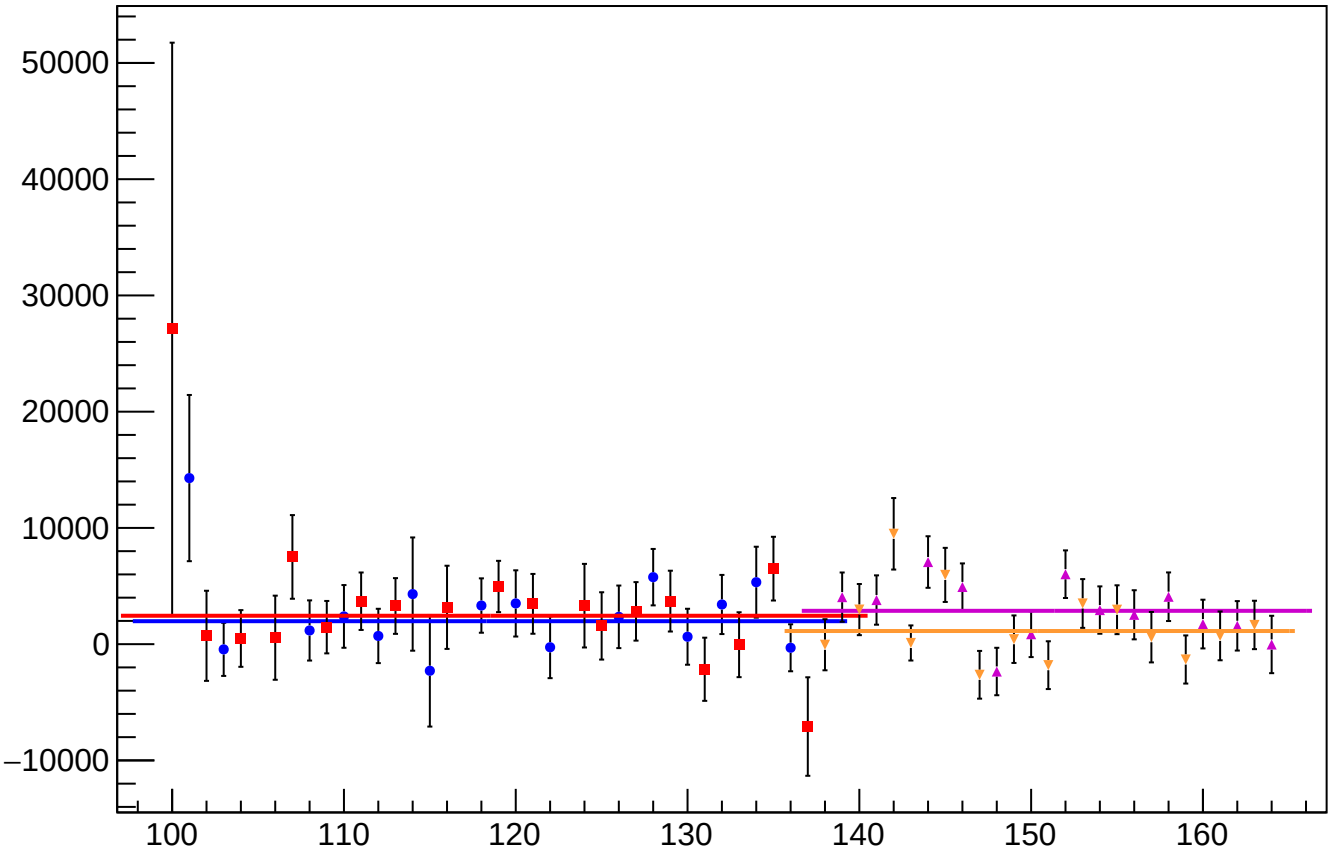
Left: 2803.063+/-0.530 χ^2/NDF: 15965085.2/26

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3764.289+/-0.660 χ^2/NDF:3634797.0/28

Out: 1732.353+/-0.393 χ^2/NDF:17467983.8/32

All: 2264.990+/-0.338 χ^2/NDF: 28094141.7/6



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1130.604+/-557.888 χ^2/NDF:22.3/13

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2868.157+/-583.720 χ^2/NDF:17.5/12

Left: 1960.082+/-403.309 χ^2/NDF: 44.4/26

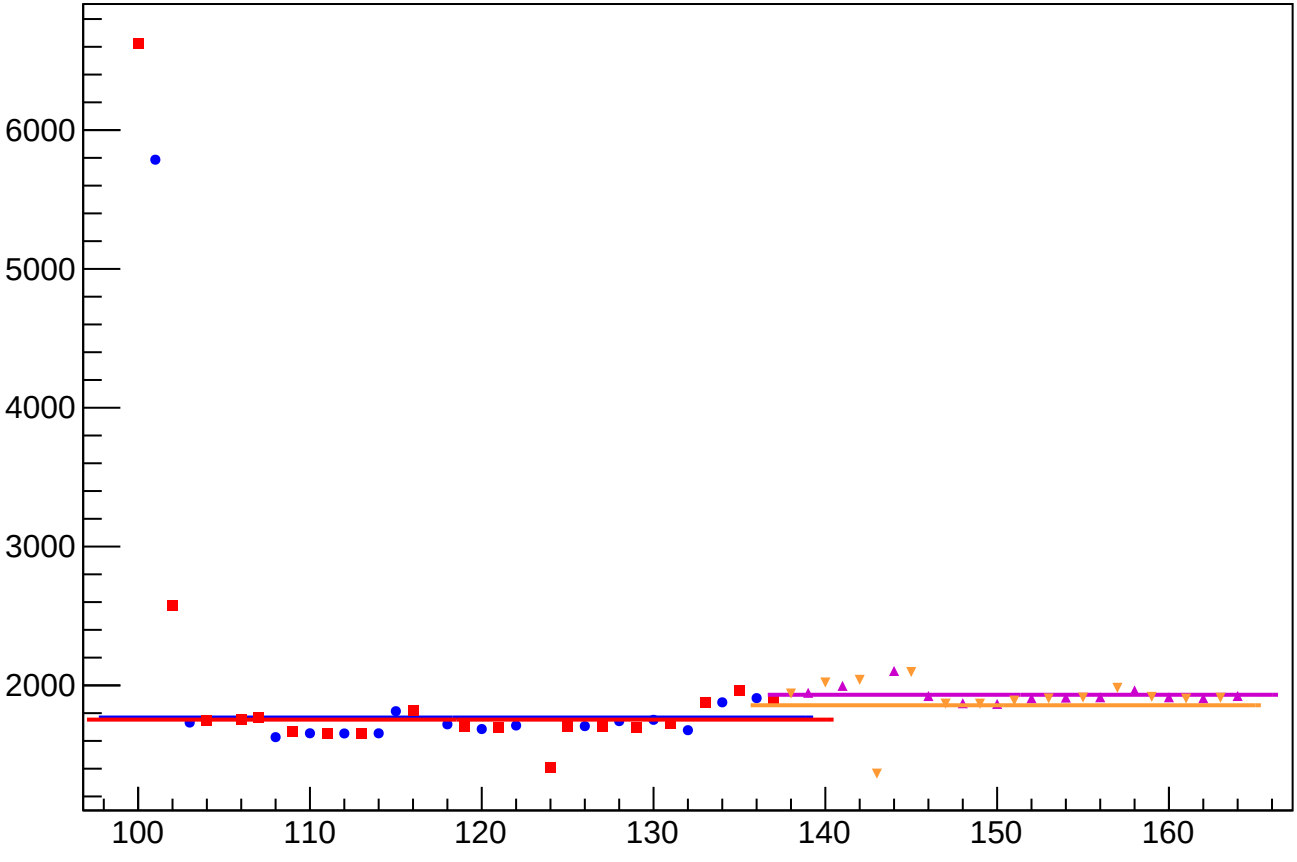
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2485.762+/-441.269 χ^2/NDF:30.9/28

Out: 1680.281+/-425.441 χ^2/NDF:42.1/32

All: 2068.316+/-306.275 χ^2/NDF: 74.7/61

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1856.840+/-0.394 χ^2/NDF:269067.7/13

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1932.396+/-0.413 χ^2/NDF:19475.5/12

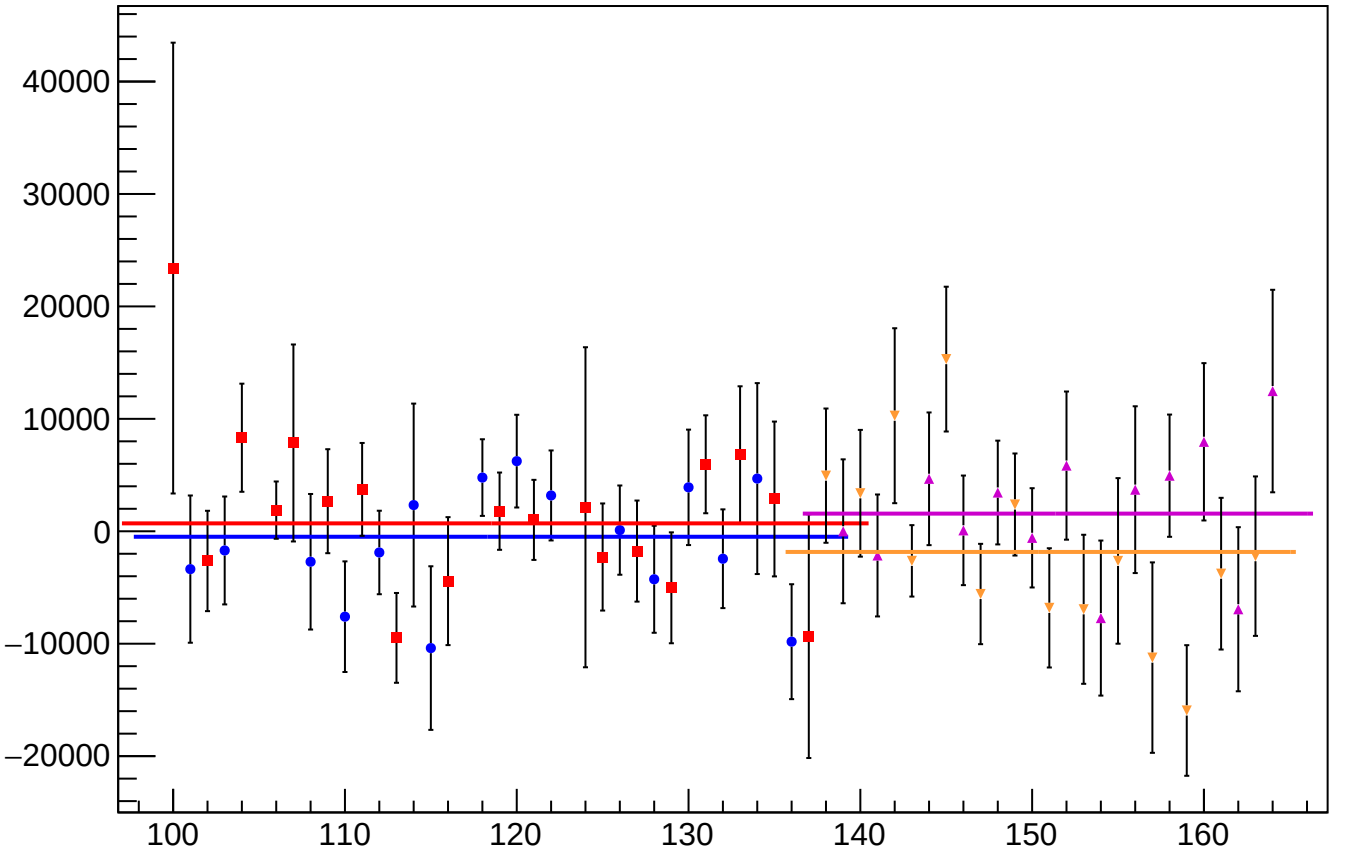
Left: 1892.909+/-0.285 χ^2/NDF: 306055.3/26

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1862.154+/-0.312 χ^2/NDF:754426.0/28

Out: 1813.414+/-0.300 χ^2/NDF:516802.2/32

All: 1836.867+/-0.216 χ^2/NDF: 1283887.1/61



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1837.977+/-1474.008 χ^2/NDF:22.0/13

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 1570.123+/-1632.763 χ^2/NDF:7.7/12

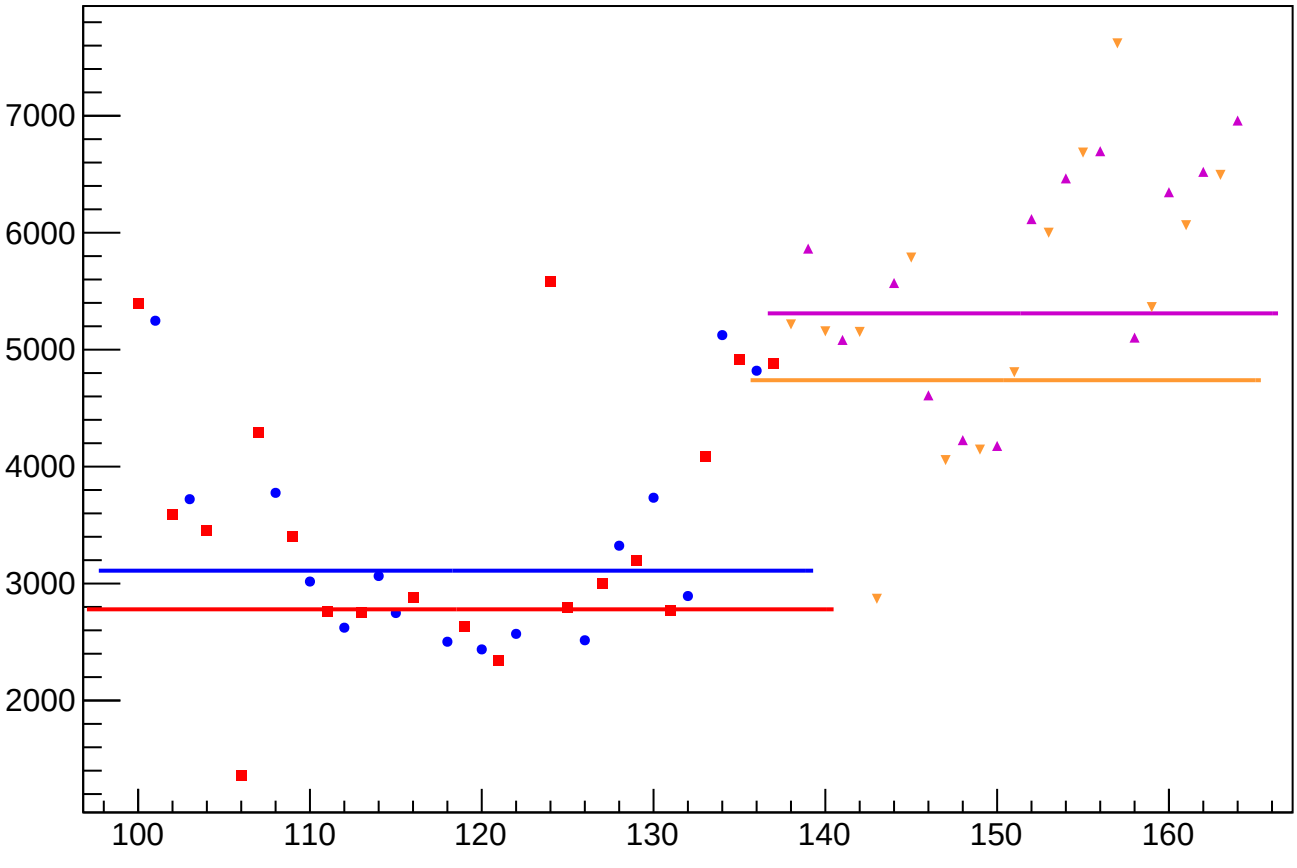
Left: -307.626+/-1094.114 χ^2/NDF: 32.1/26

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: 232.576+/-966.157 χ^2/NDF:24.4/28

Out: -173.104+/-865.625 χ^2/NDF:42.8/32

All: 7.538+/-644.712 χ^2/NDF: 67.3/61



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4738.814+/-1.042 χ^2/NDF:1522769.8/13

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5310.374+/-1.155 χ^2/NDF:630611.2/12

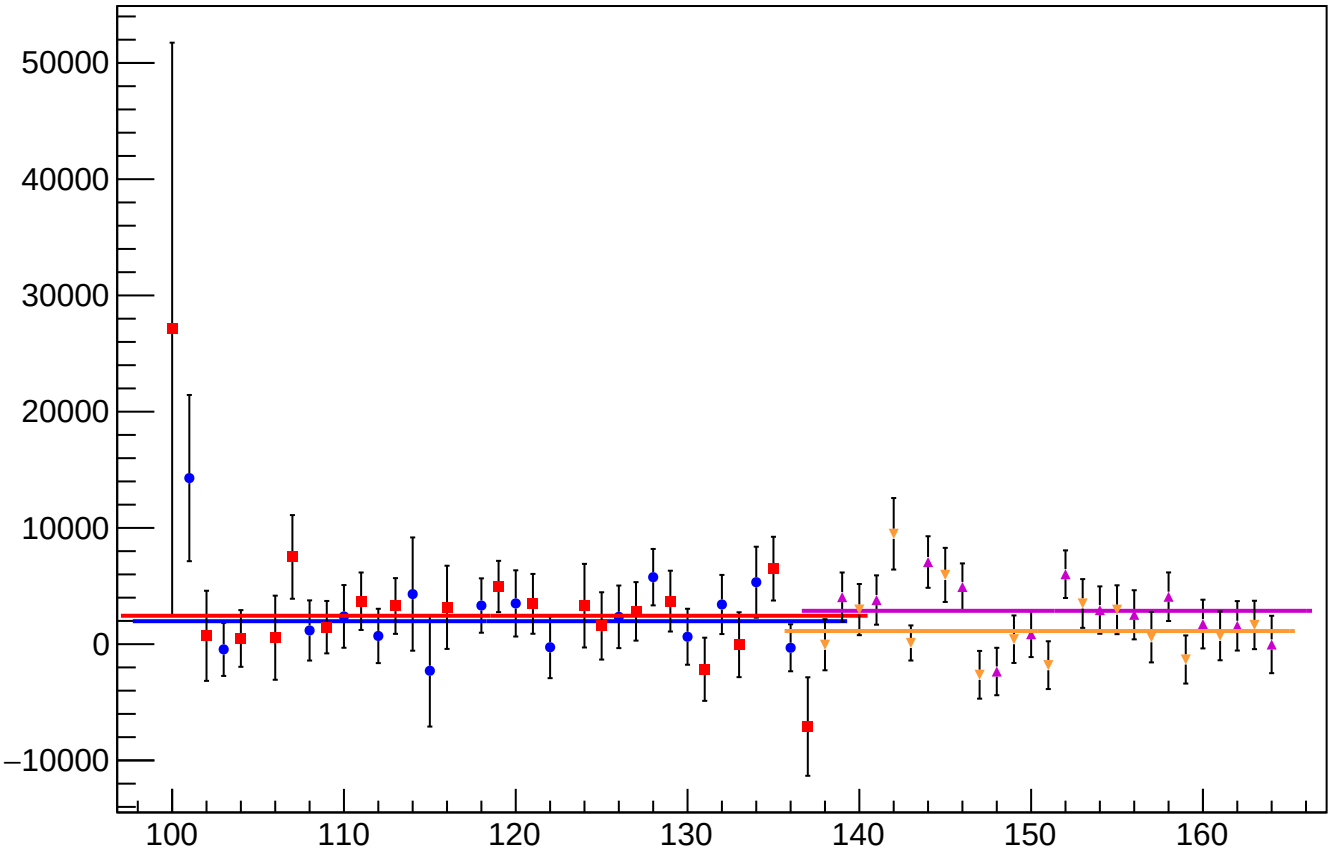
Left: 4995.464+/-0.774 χ^2/NDF: 2288411.6/26

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3880.539+/-0.683 χ^2/NDF:3874025.4/28

Out: 3455.301+/-0.612 χ^2/NDF:5185669.8/32

All: 3644.652+/-0.456 χ^2/NDF: 9274611.3/61



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1130.600+/-557.888 χ^2/NDF:22.3/13

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2868.157+/-583.721 χ^2/NDF:17.5/12

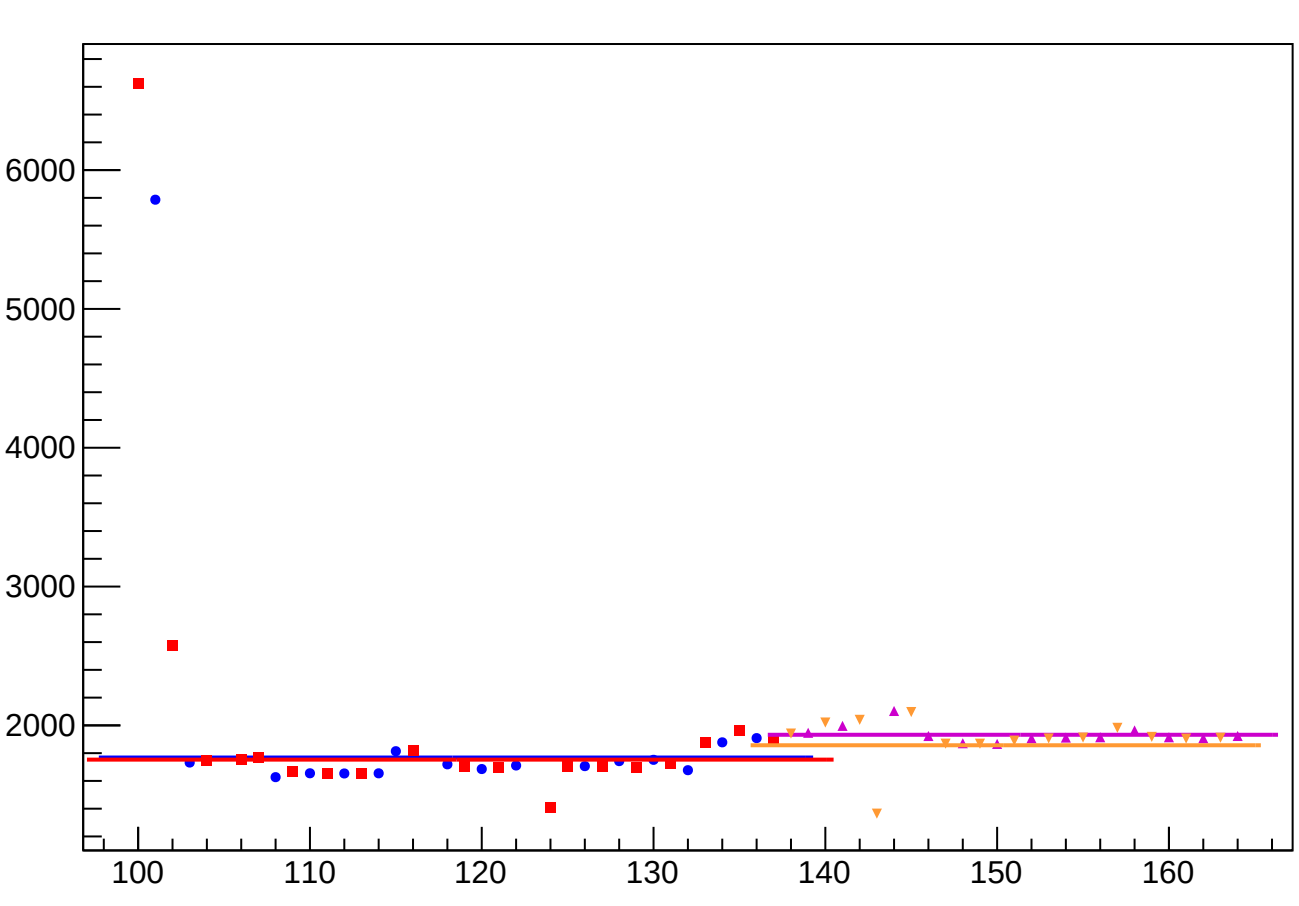
Left: 1960.080+/-403.310 χ^2/NDF: 44.4/26

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2485.762+/-441.269 χ^2/NDF:30.9/28

Out: 1680.279+/-425.441 χ^2/NDF:42.1/32

All: 2068.315+/-306.275 χ^2/NDF: 74.7/61



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1856.841+/-0.394 χ^2/NDF:269069.1/13

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1932.397+/-0.413 χ^2/NDF:19475.7/12

Left: 1892.910+/-0.285 χ^2/NDF: 306057.0/26

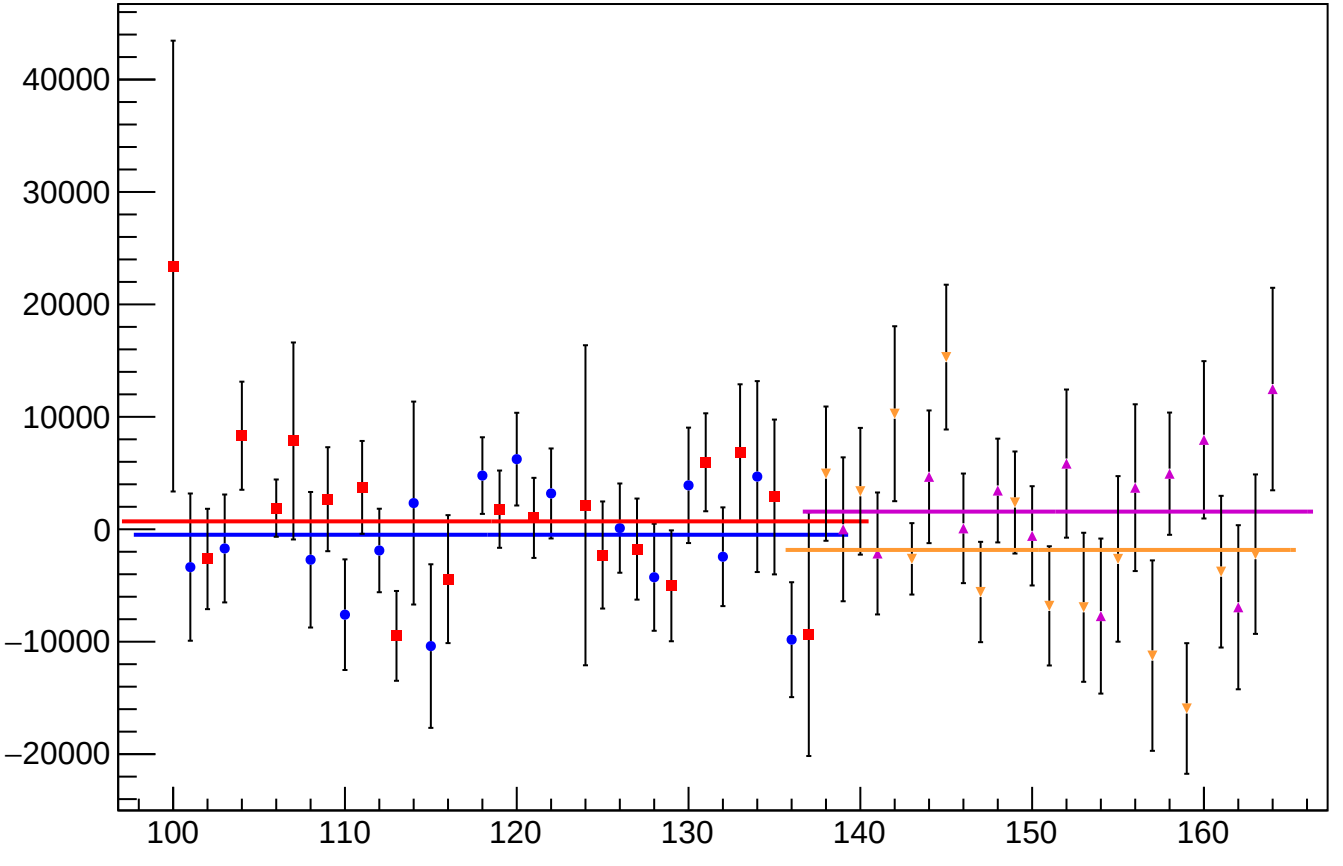
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1862.154+/-0.312 χ^2/NDF:754427.2/28

Out: 1813.415+/-0.300 χ^2/NDF:516804.1/32

All: 1836.868+/-0.216 χ^2/NDF: 1283890.3/61

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -1837.983+/-1474.010 χ^2/NDF:22.0/13

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 1570.123+/-1632.765 χ^2/NDF:7.7/12

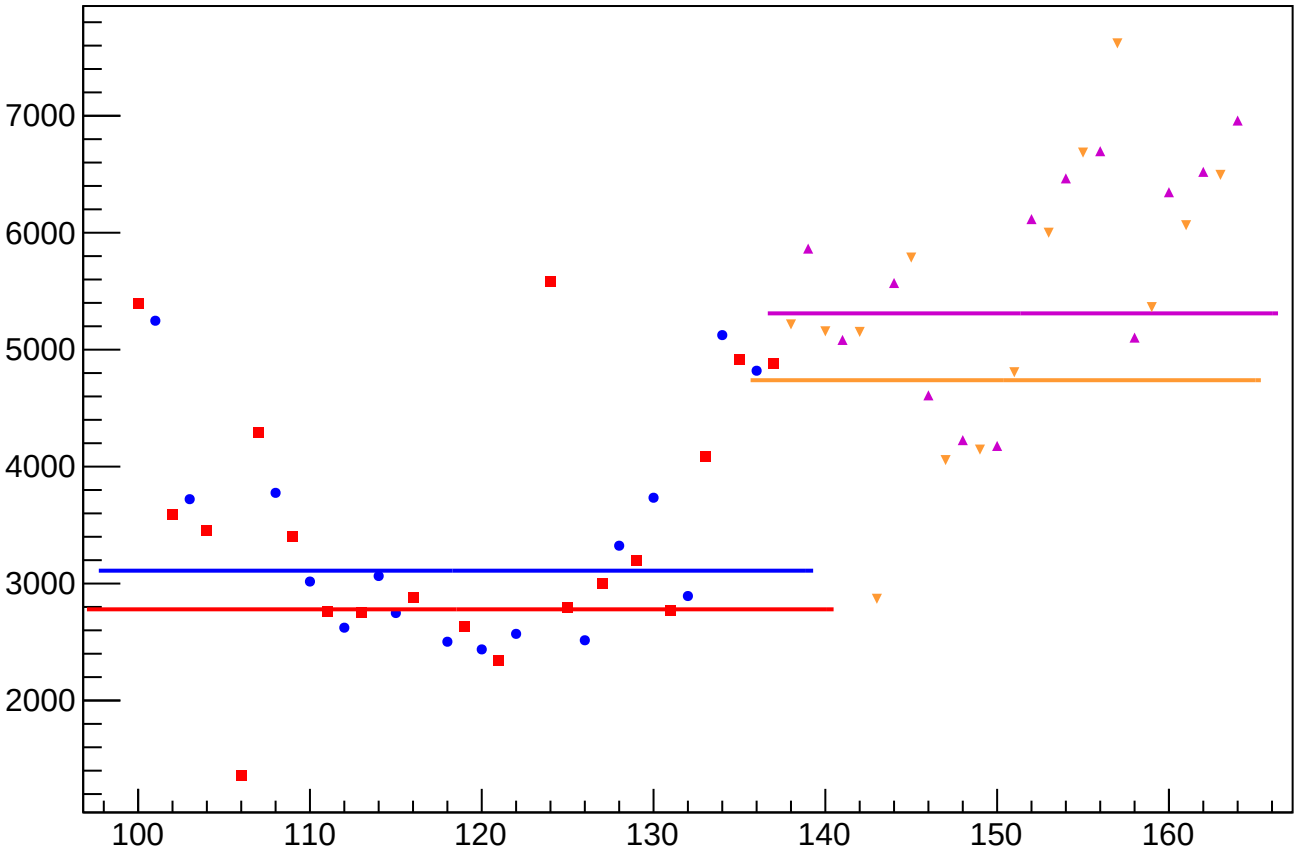
Left: -307.630+/-1094.115 χ^2/NDF: 32.1/26

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: 232.576+/-966.156 χ^2/NDF:24.4/28

Out: -173.099+/-865.623 χ^2/NDF:42.8/32

All: 7.541+/-644.711 χ^2/NDF: 67.3/61



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4738.818+/-1.042 χ^2/NDF:1522776.7/13

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5310.380+/-1.155 χ^2/NDF:630614.9/12

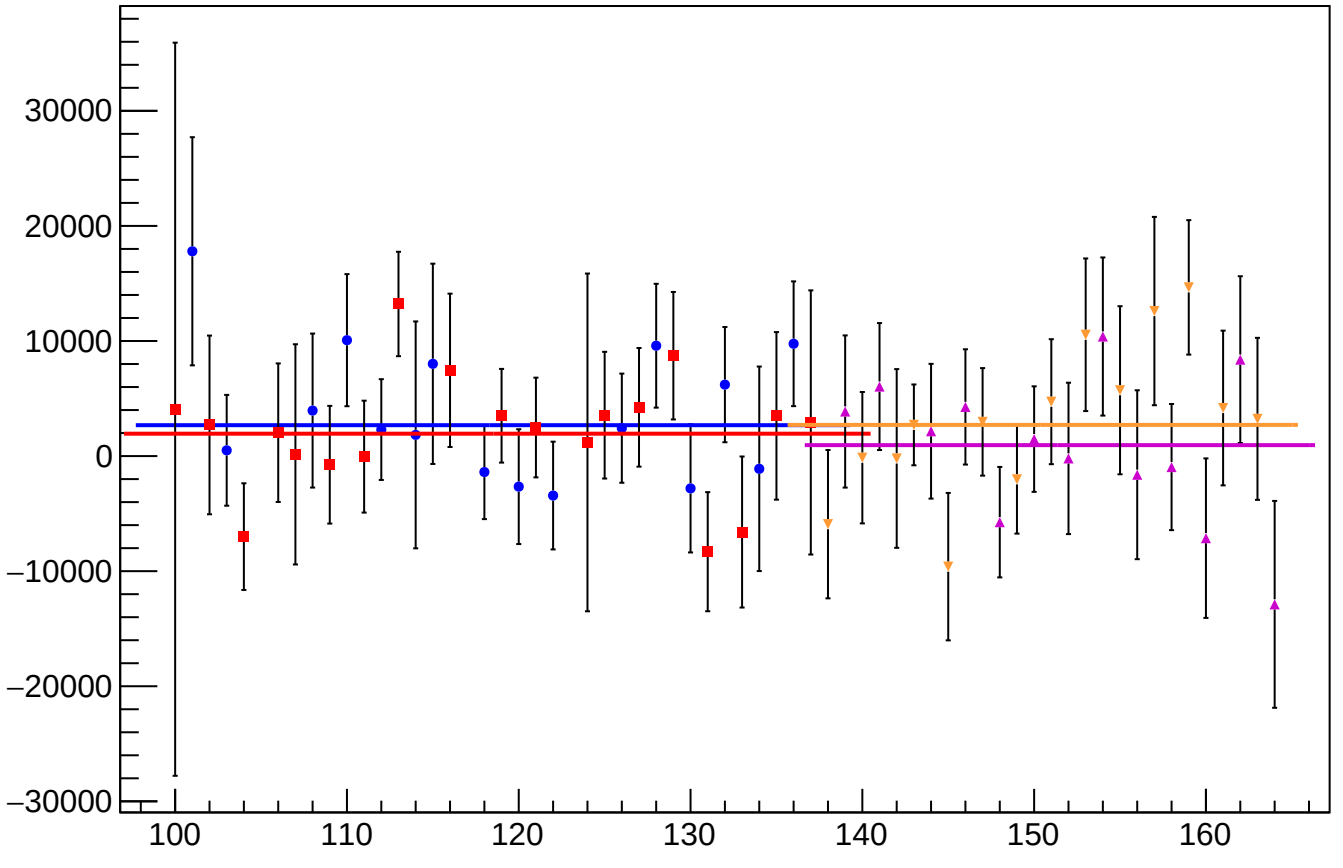
Left: 4995.468+/-0.774 χ^2/NDF: 2288422.9/26

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3880.529+/-0.683 χ^2/NDF:3874077.1/28

Out: 3455.290+/-0.612 χ^2/NDF:5185738.5/32

All: 3644.641+/-0.456 χ^2/NDF: 9274734.5/61



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2709.925+/-1525.929 χ^2/NDF:14.3/13

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 951.430+/-1657.088 χ^2/NDF:10.4/12

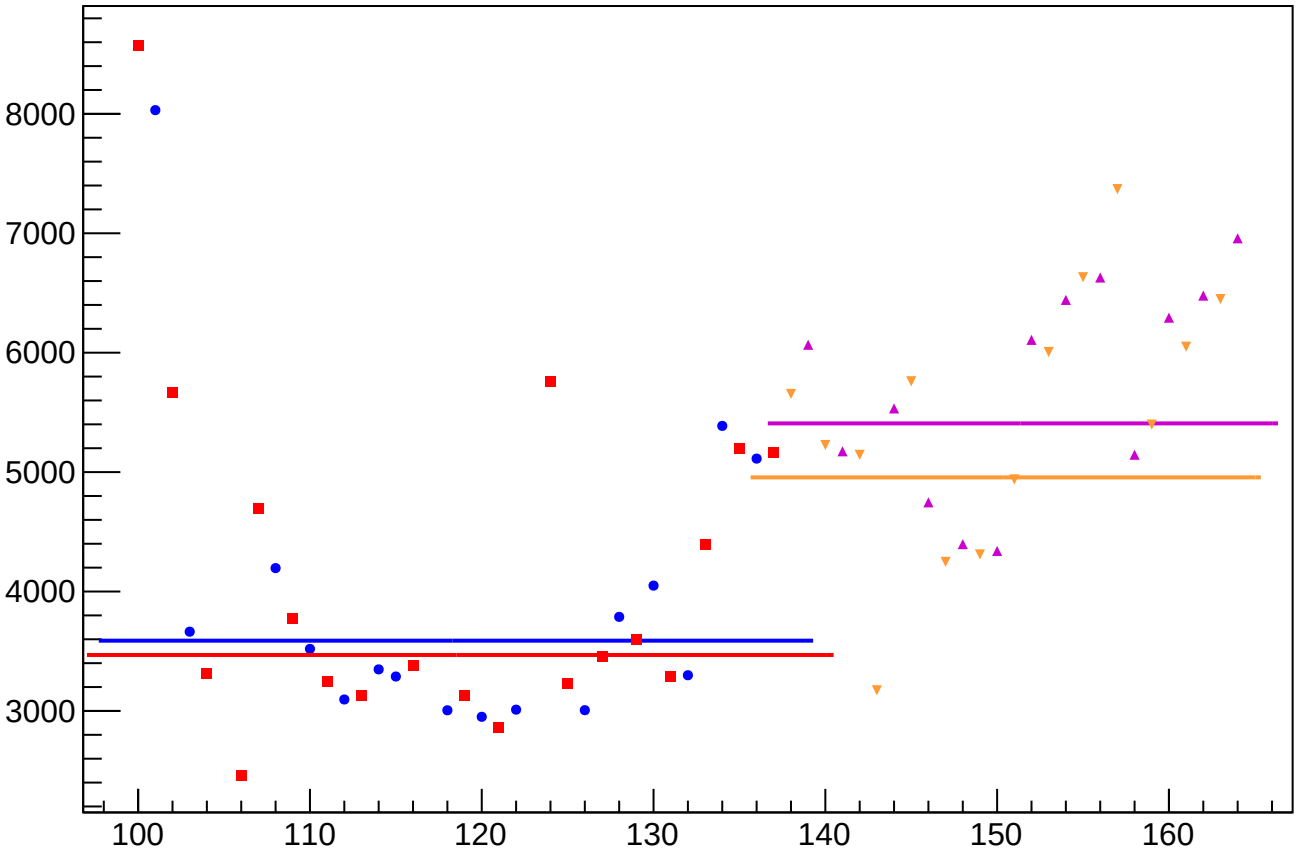
Left: 1903.015+/-1122.503 χ^2/NDF: 25.3/26

Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 1975.373+/-1060.388 χ^2/NDF:24.5/28

Out: 2276.462+/-1003.892 χ^2/NDF:33.1/32

All: 2134.152+/-729.014 χ^2/NDF: 57.7/61



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4955.881+/-1.079 χ^2/NDF:1143768.6/13

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5407.961+/-1.172 χ^2/NDF:520304.3/12

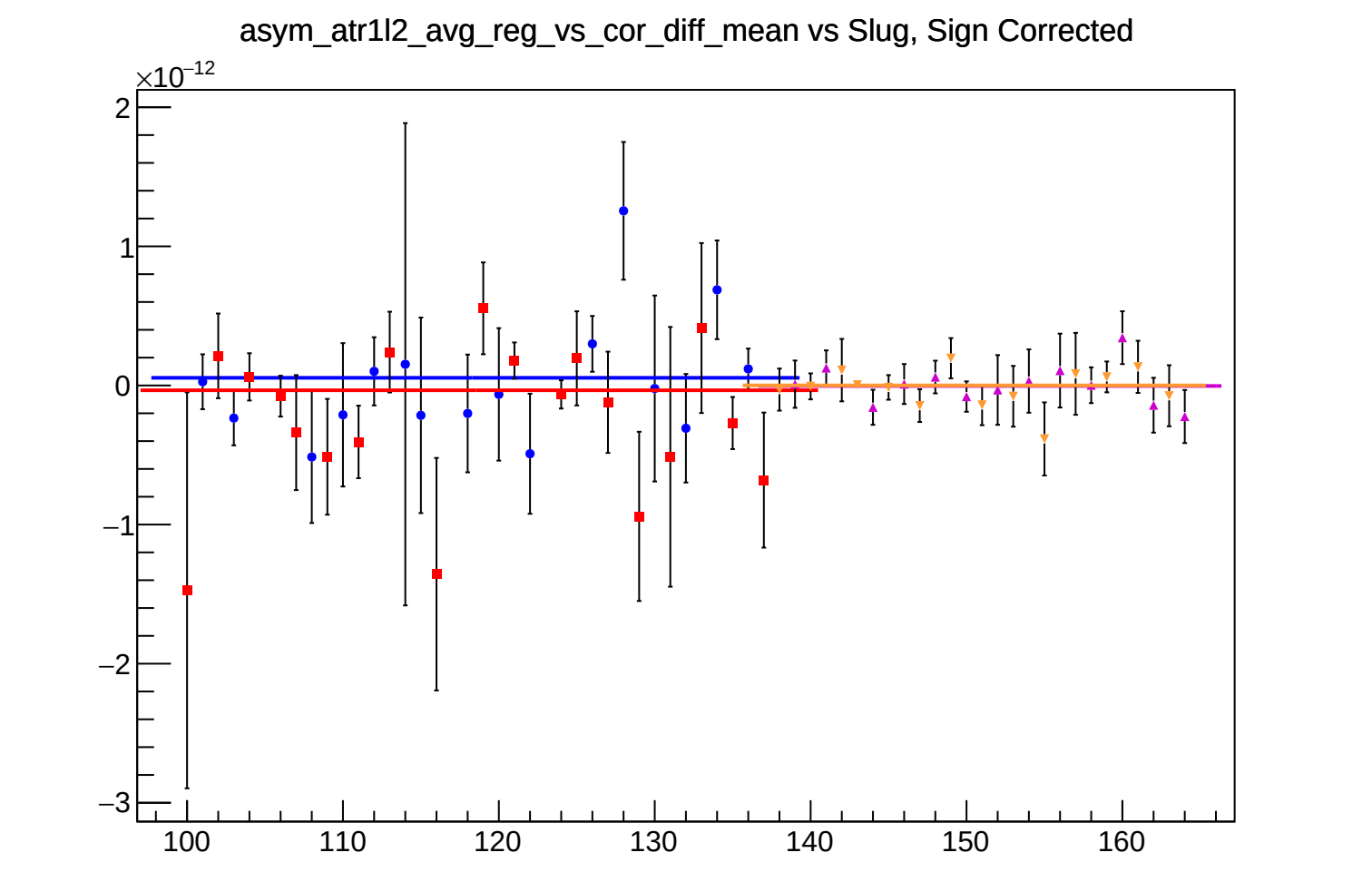
Left: 5163.324+/-0.794 χ^2/NDF: 1744624.8/26

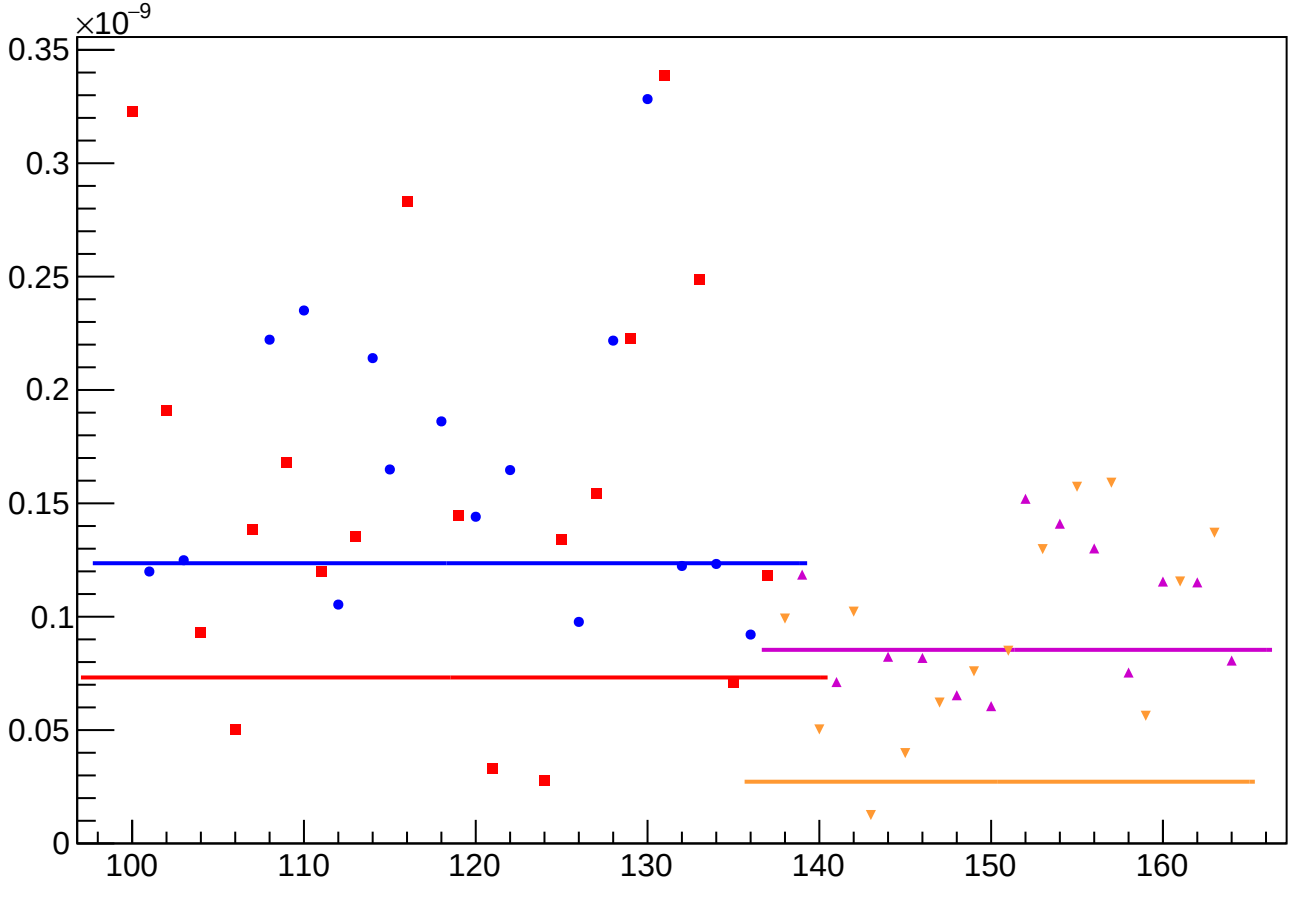
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4333.500+/-0.750 χ^2/NDF:2789452.6/28

Out: 4101.185+/-0.704 χ^2/NDF:2902150.6/32

All: 4209.978+/-0.513 χ^2/NDF: 5742644.7/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: 0.000+/-0.000 χ²/NDF:7.9/13
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: -0.000+/-0.000 χ²/NDF:8.7/12
Left: -0.000+/-0.000 χ²/NDF: 16.6/26
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:26.9/28
Out: -0.000+/-0.000 χ²/NDF:30.5/32
All: -0.000+/-0.000 χ²/NDF: 57.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4830376.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:692655.1/12

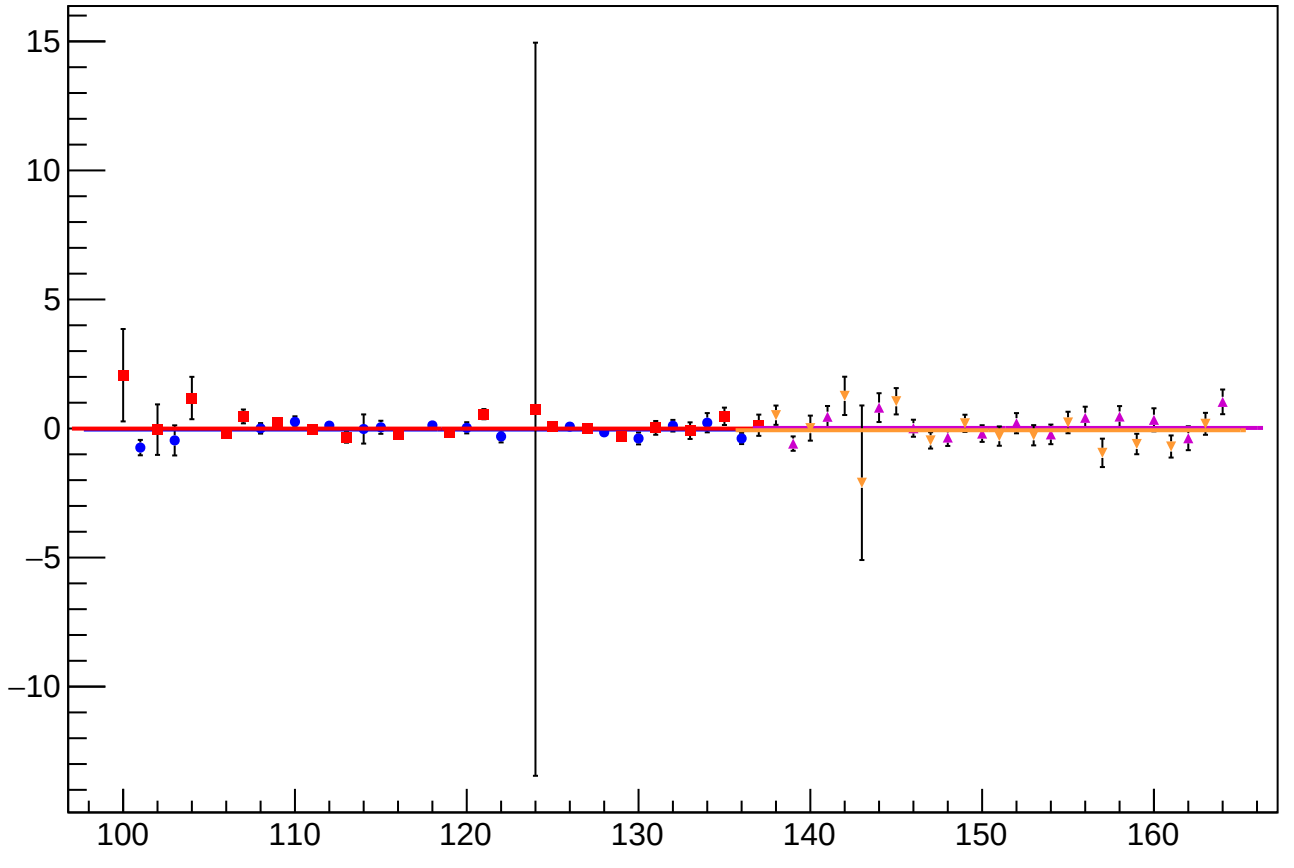
Left: 0.000+/-0.000 χ^2/NDF: 8630018.2/26

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1763027.2/28

Out: 0.000+/-0.000 χ^2/NDF:8334859.3/32

All: 0.000+/-0.000 χ^2/NDF: 14723404.4/61



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.067+/-0.115 χ^2/NDF:21.2/13

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.023+/-0.106 χ^2/NDF:17.9/12

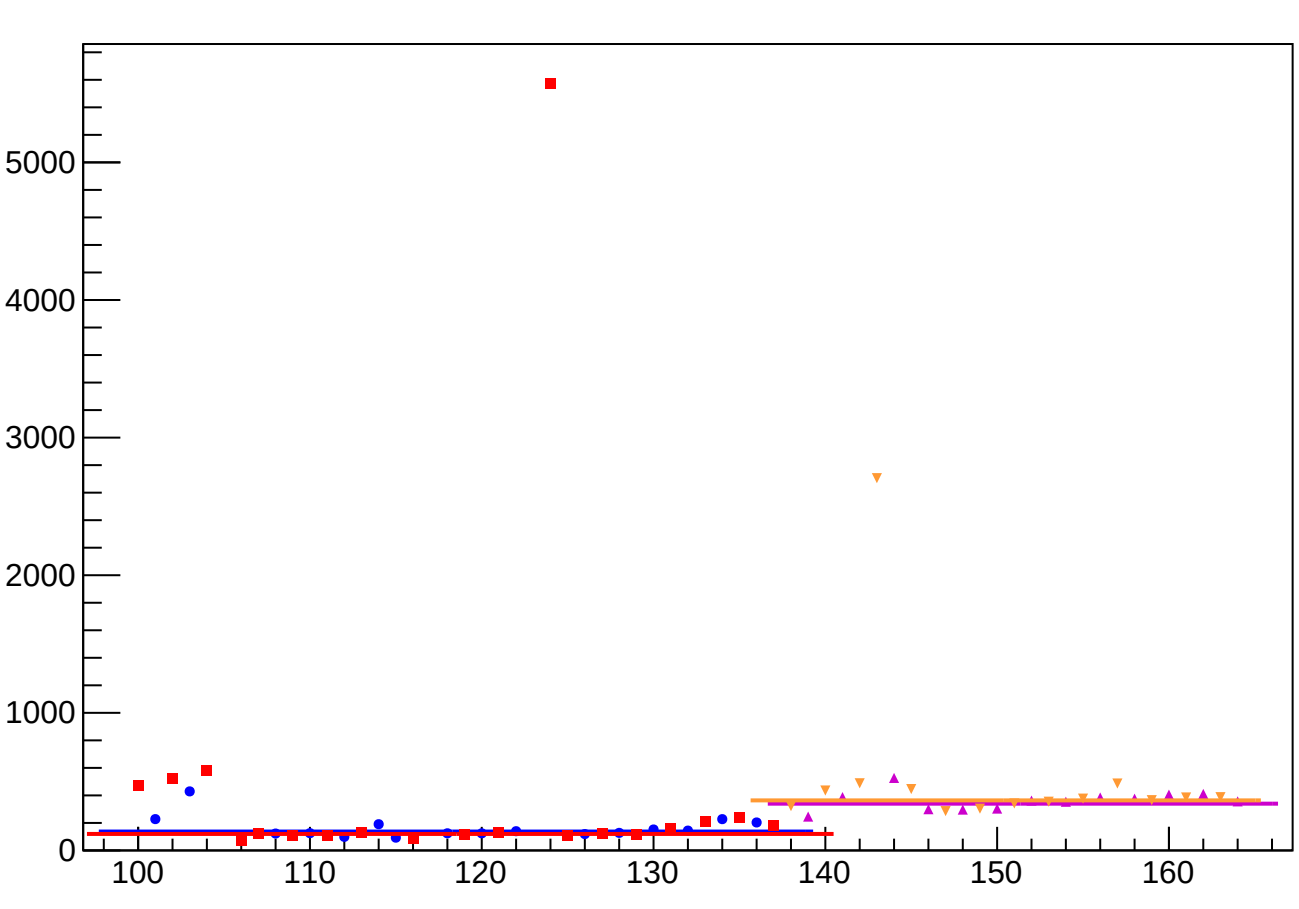
Left: -0.019+/-0.078 χ^2/NDF: 39.5/26

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.026+/-0.049 χ^2/NDF:36.1/28

Out: -0.013+/-0.047 χ^2/NDF:50.2/32

All: -0.019+/-0.034 χ^2/NDF: 86.3/61



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 363.811+/-0.081 χ^2/NDF:1706944.6/13

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 339.990+/-0.075 χ^2/NDF:706920.3/12

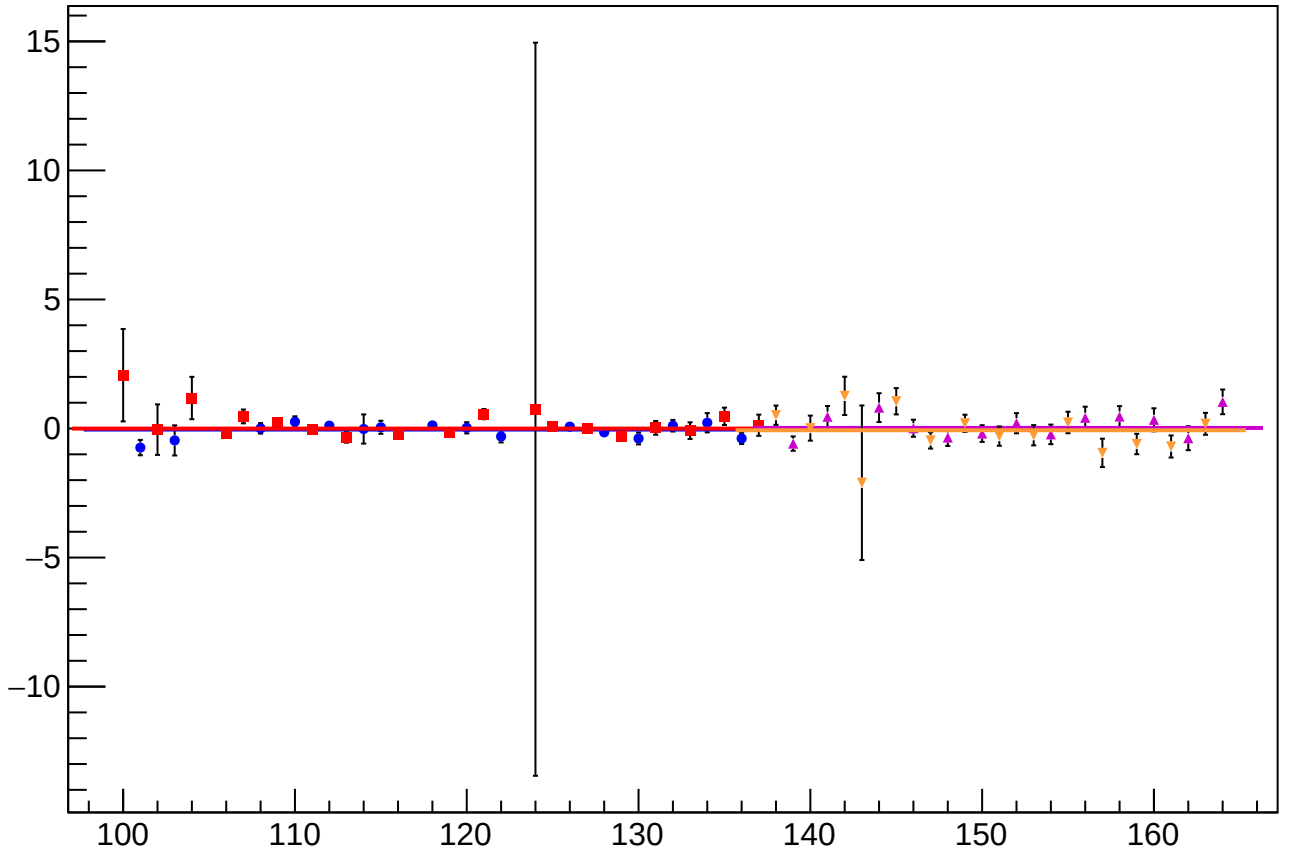
Left: 350.979+/-0.055 χ^2/NDF: 2460475.2/26

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 181.393+/-0.035 χ^2/NDF:7695921.0/28

Out: 160.257+/-0.033 χ^2/NDF:11414696.0/32

All: 170.197+/-0.024 χ^2/NDF: 19304653.9/61



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.067+/-0.115 χ^2/NDF:21.2/13

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.023+/-0.106 χ^2/NDF:17.9/12

Left: -0.019+/-0.078 χ^2/NDF: 39.5/26

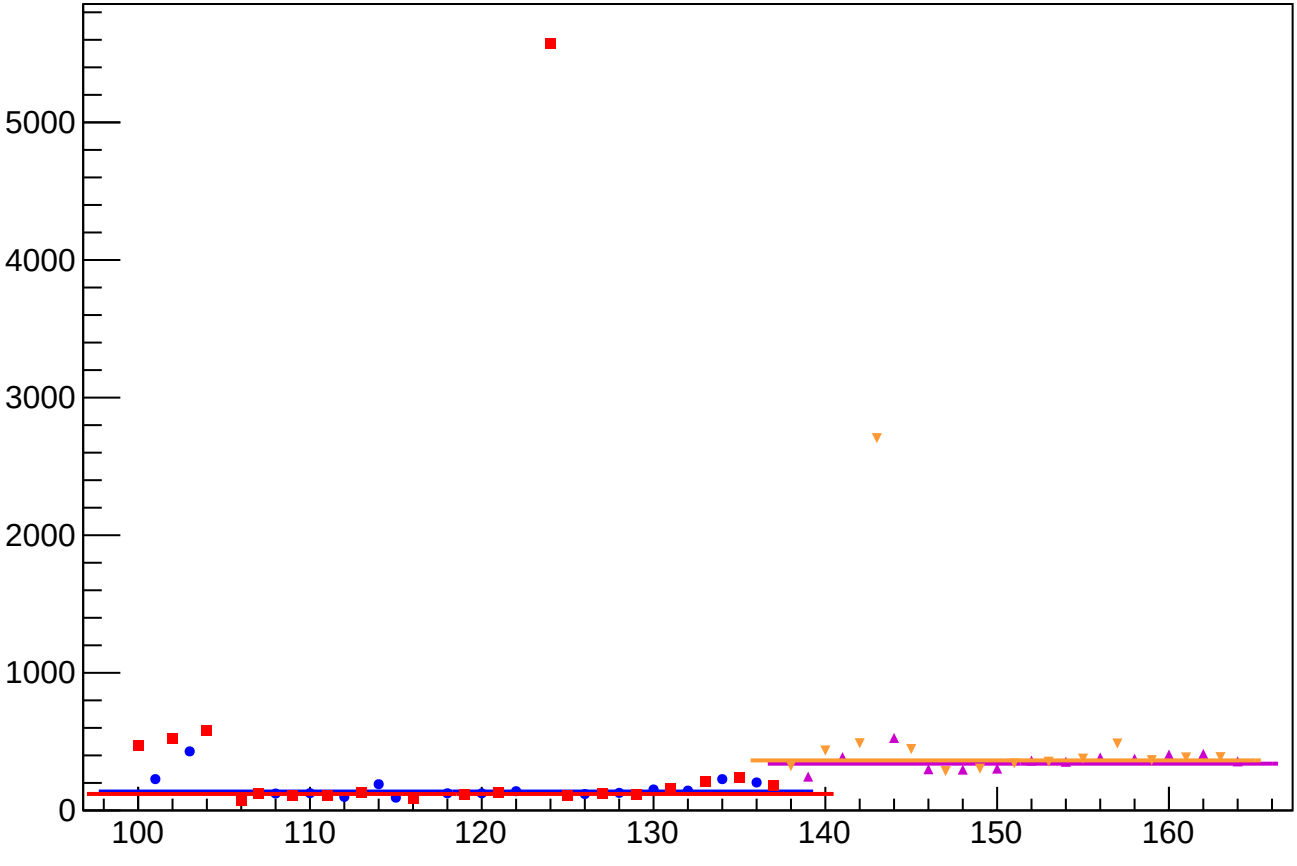
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.026+/-0.049 χ^2/NDF:36.1/28

Out: -0.013+/-0.047 χ^2/NDF:50.2/32

All: -0.019+/-0.034 χ^2/NDF: 86.3/61

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 363.811+/-0.081 χ^2/NDF:1706944.6/13

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 339.990+/-0.075 χ^2/NDF:706920.3/12

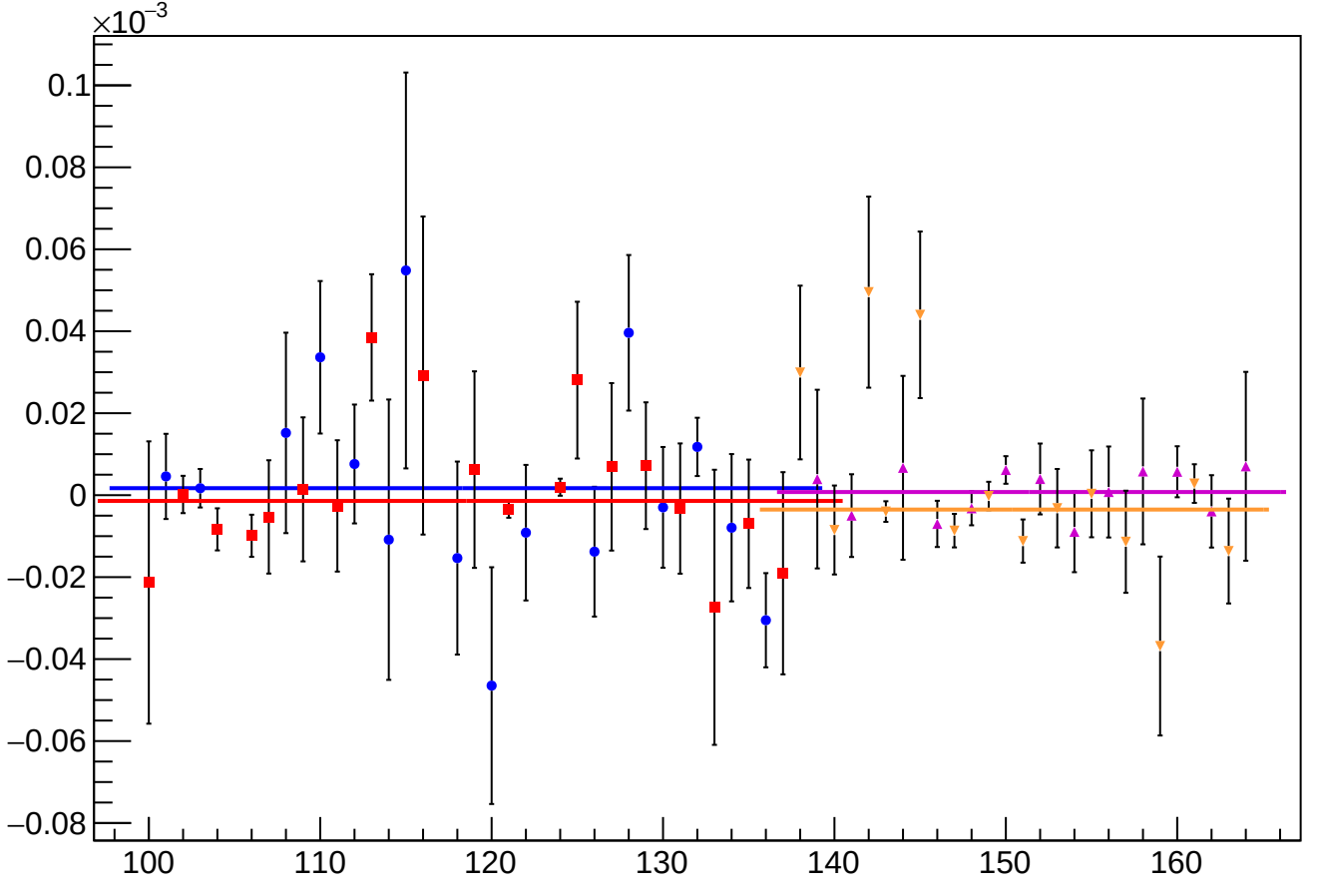
Left: 350.979+/-0.055 χ^2/NDF: 2460475.2/26

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 181.393+/-0.035 χ^2/NDF:7695921.0/28

Out: 160.257+/-0.033 χ^2/NDF:11414696.0/32

All: 170.197+/-0.024 χ^2/NDF: 19304653.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/12

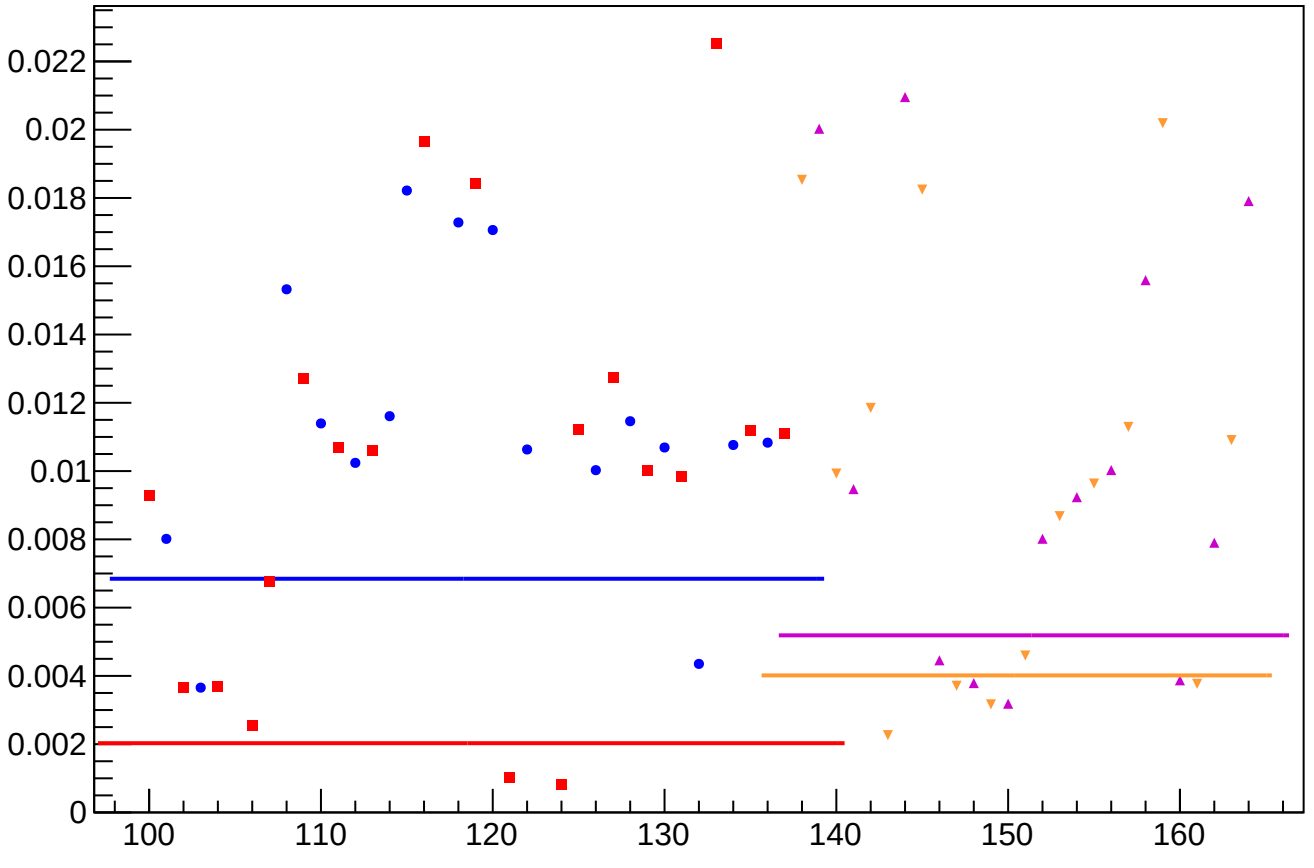
Left: -0.000+/-0.000 χ^2/NDF: 34.3/26

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:31.8/28

Out: -0.000+/-0.000 χ^2/NDF:44.7/32

All: -0.000+/-0.000 χ^2/NDF: 79.6/61



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:7264850.7/13

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:5749415.8/12

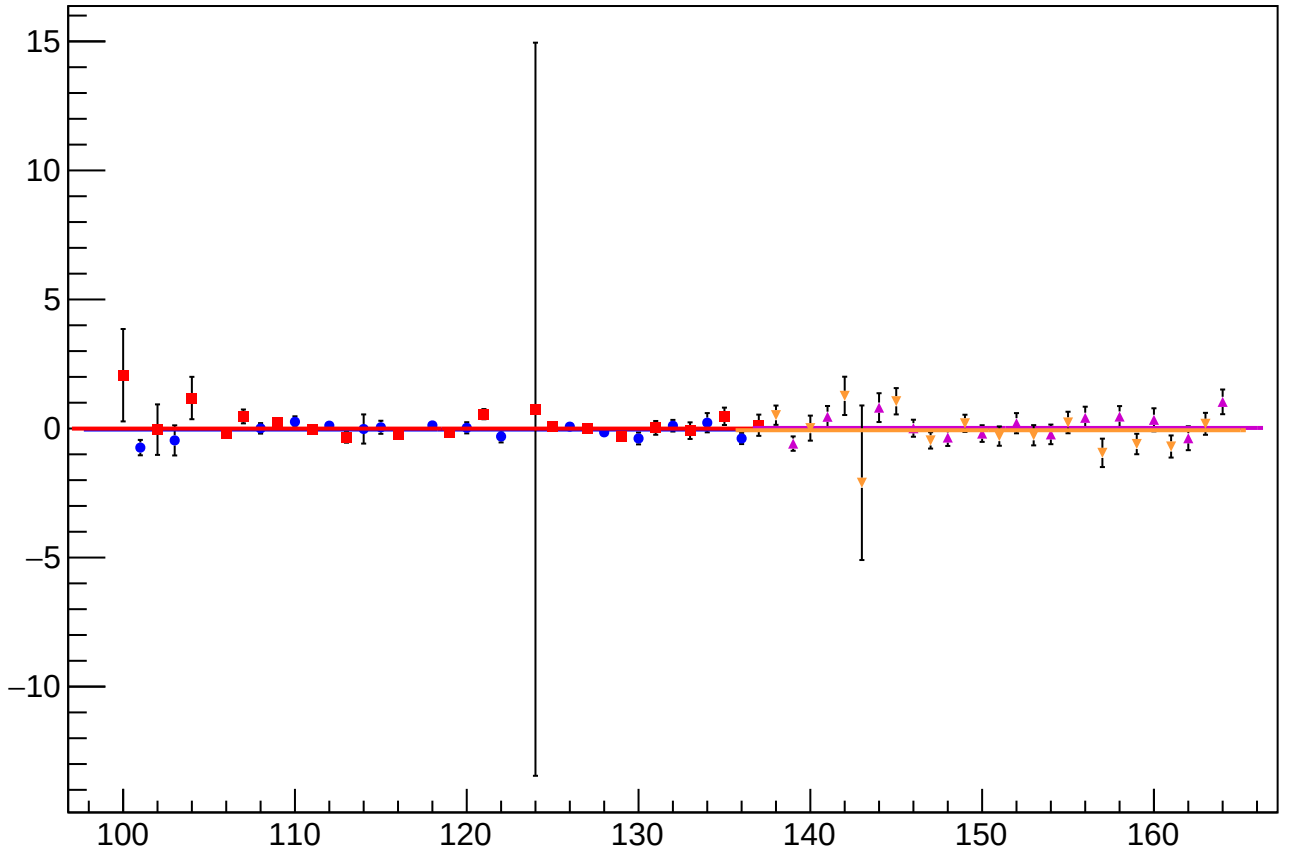
Left: 0.004+/-0.000 χ^2/NDF: 13468699.0/26

Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:9417529.9/28

Out: 0.003+/-0.000 χ^2/NDF:18296916.5/32

All: 0.004+/-0.000 χ^2/NDF: 32268657.3/61



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.067+/-0.115 χ^2/NDF:21.2/13

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.023+/-0.106 χ^2/NDF:17.9/12

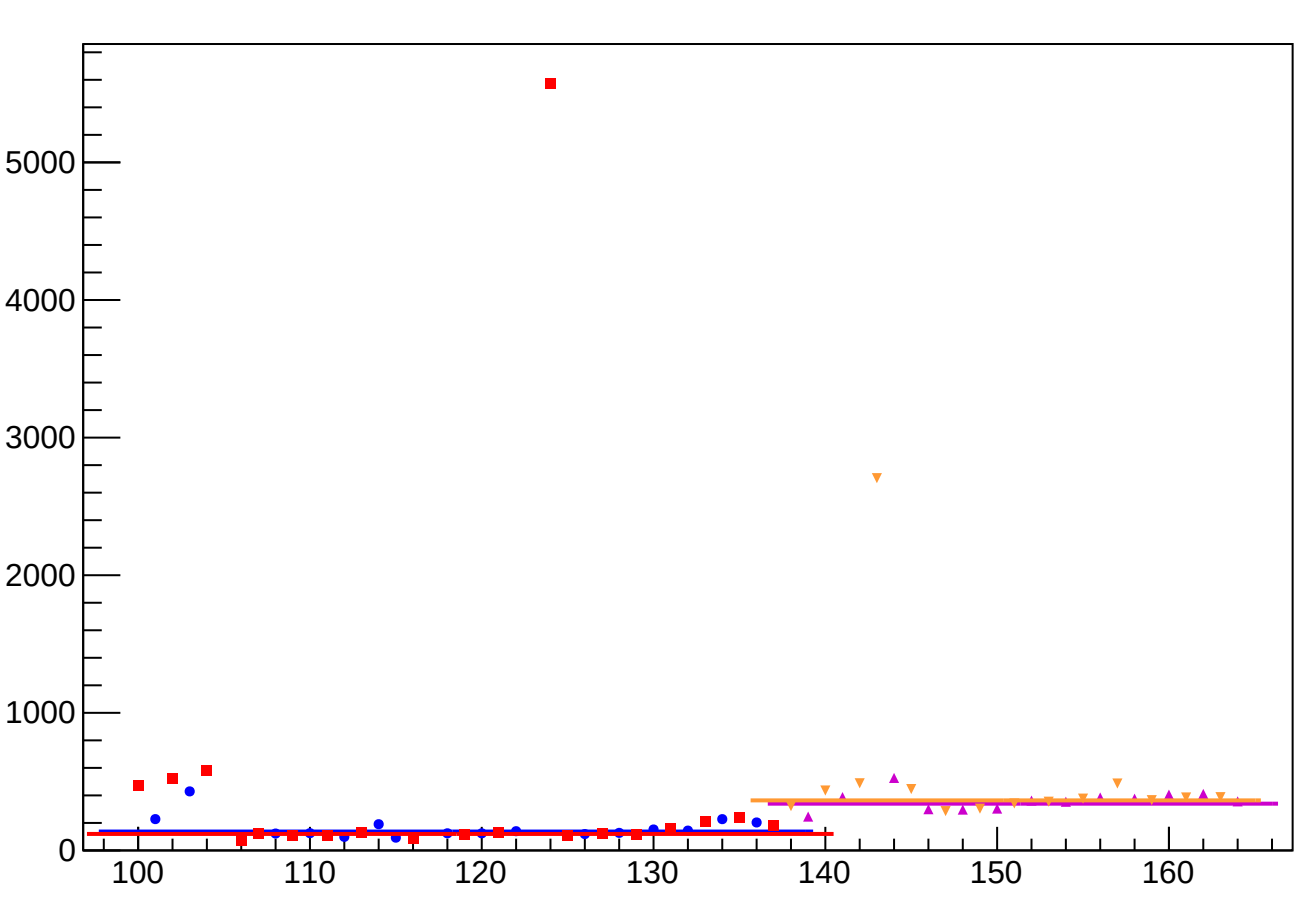
Left: -0.019+/-0.078 χ^2/NDF: 39.5/26

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.026+/-0.049 χ^2/NDF:36.1/28

Out: -0.013+/-0.047 χ^2/NDF:50.2/32

All: -0.019+/-0.034 χ^2/NDF: 86.3/61



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 363.814+/-0.081 χ^2/NDF:1706985.7/13

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 339.995+/-0.075 χ^2/NDF:706915.7/12

Left: 350.984+/-0.055 χ^2/NDF: 2460505.6/26

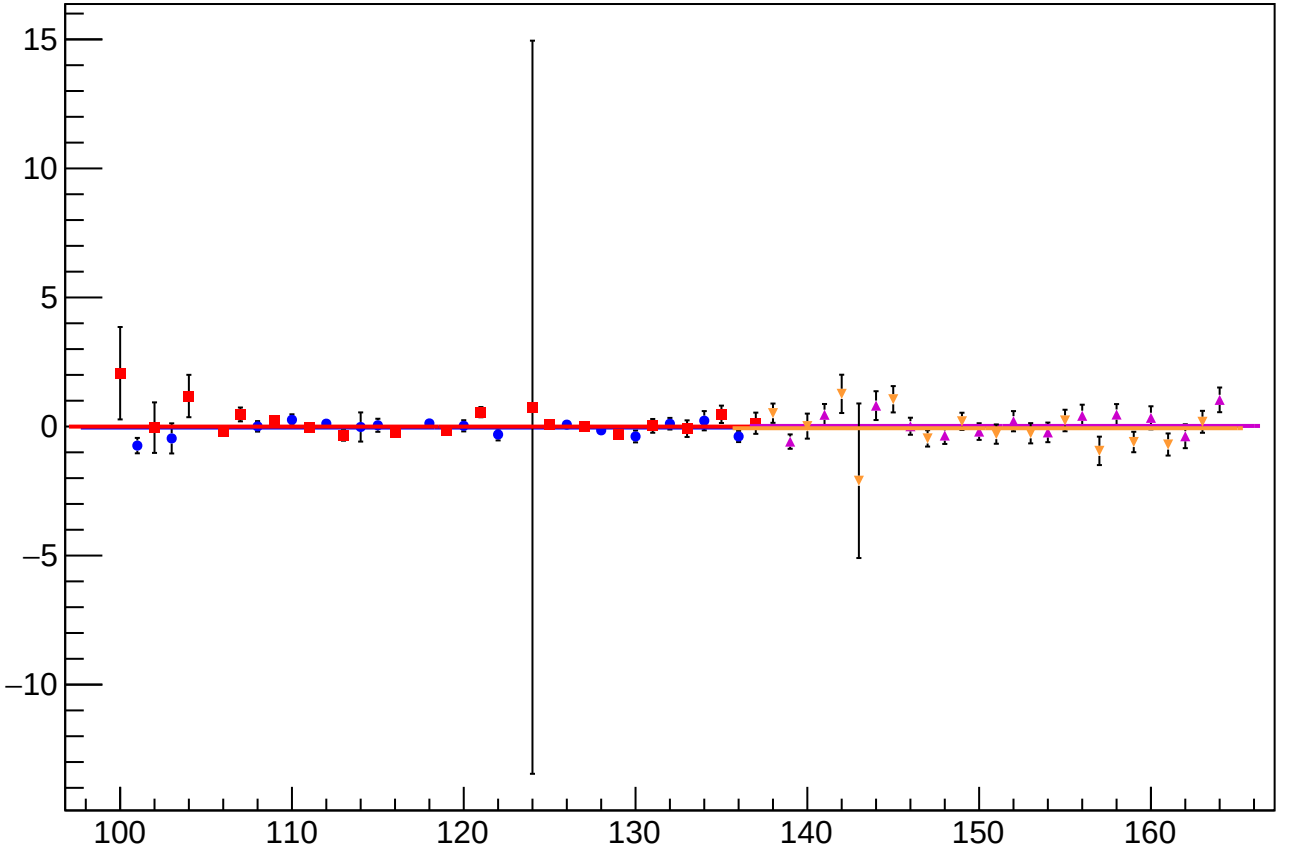
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 181.395+/-0.035 χ^2/NDF:7695945.1/28

Out: 160.257+/-0.033 χ^2/NDF:11414759.8/32

All: 170.197+/-0.024 χ^2/NDF: 19304765.3/61

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: -0.067+/-0.115 χ^2/NDF:21.2/13

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: 0.023+/-0.106 χ^2/NDF:17.9/12

Left: -0.019+/-0.078 χ^2/NDF: 39.5/26

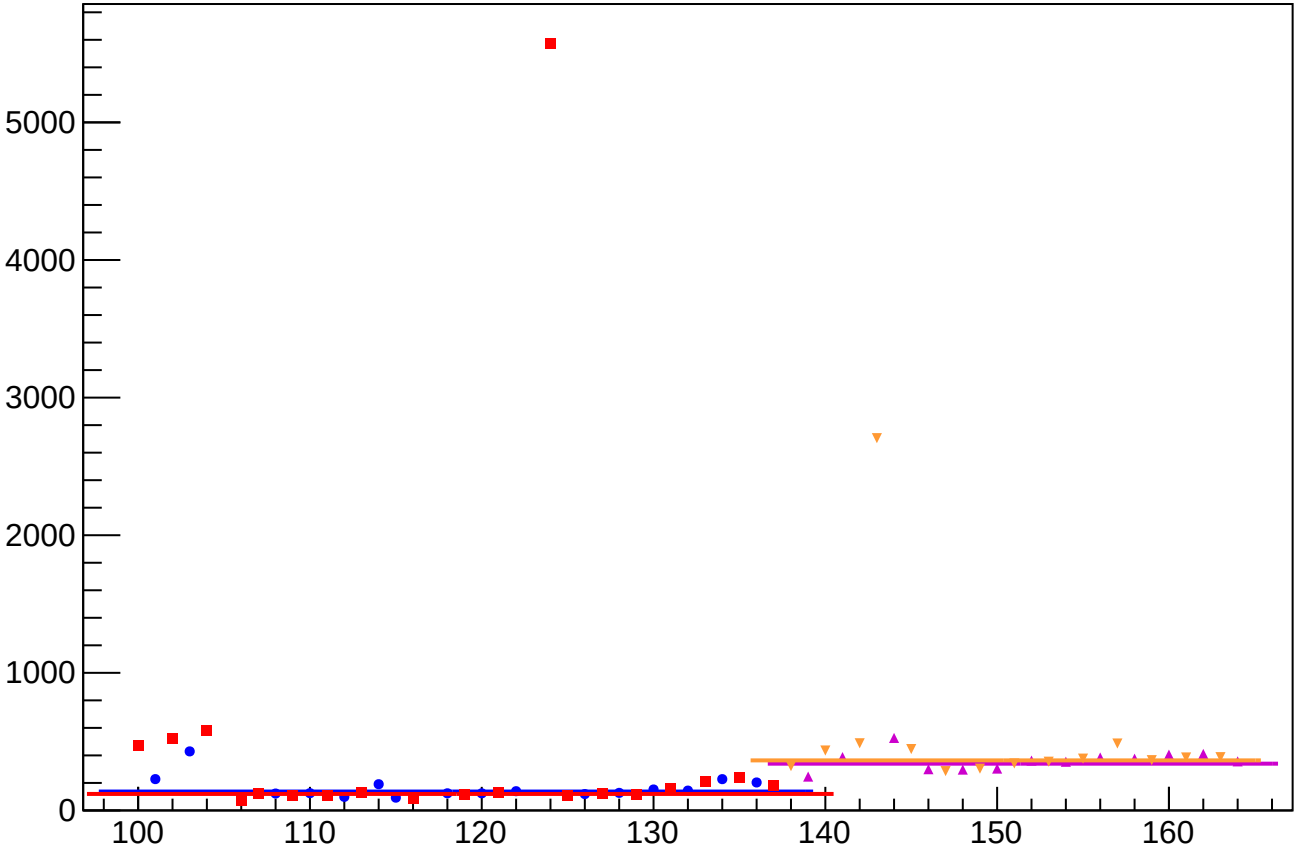
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.026+/-0.049 χ^2/NDF:36.1/28

Out: -0.013+/-0.047 χ^2/NDF:50.2/32

All: -0.019+/-0.034 χ^2/NDF: 86.3/61

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: 363.814+/-0.081 χ^2/NDF:1706985.7/13

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 339.995+/-0.075 χ^2/NDF:706915.7/12

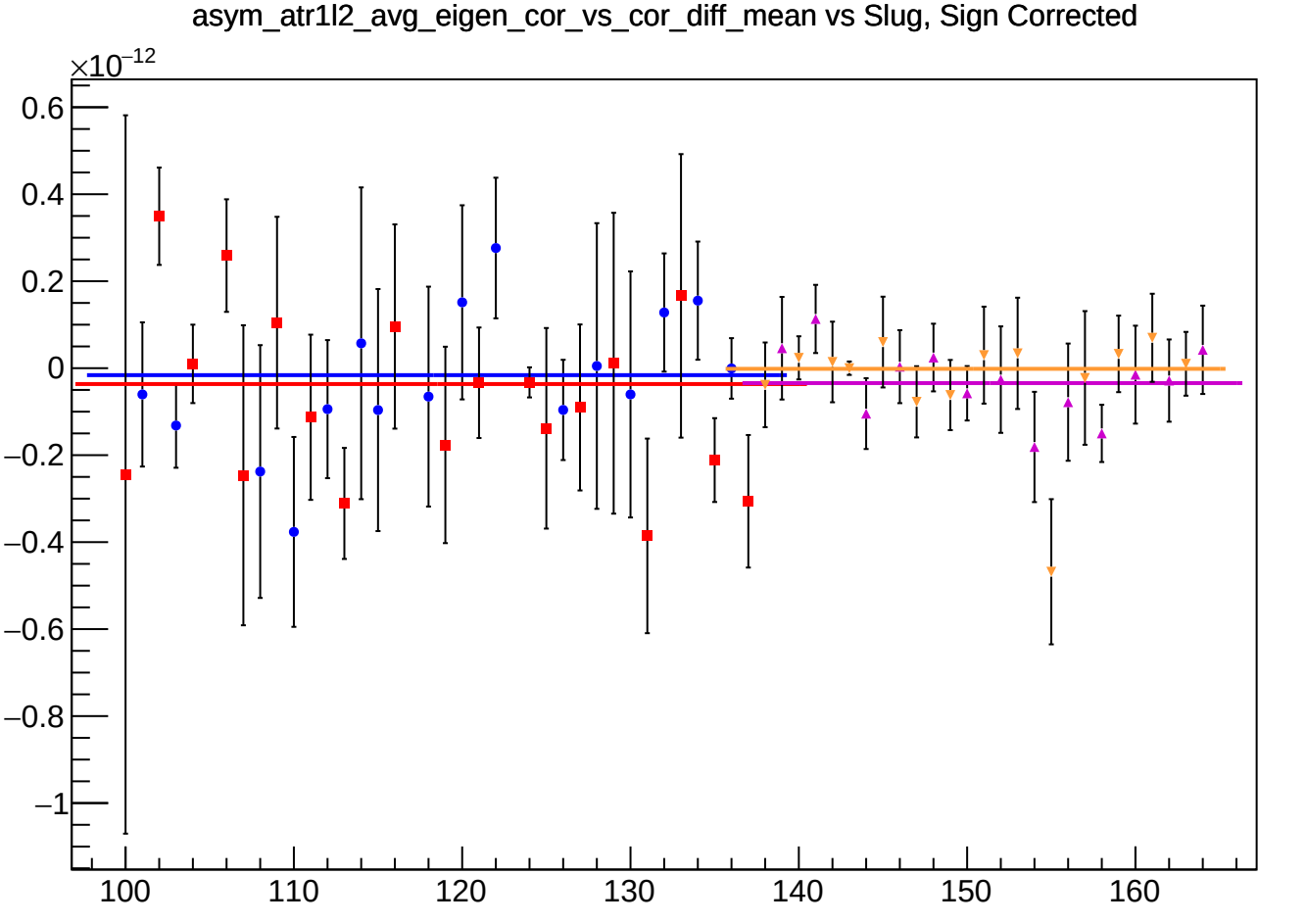
Left: 350.984+/-0.055 χ^2/NDF: 2460505.6/26

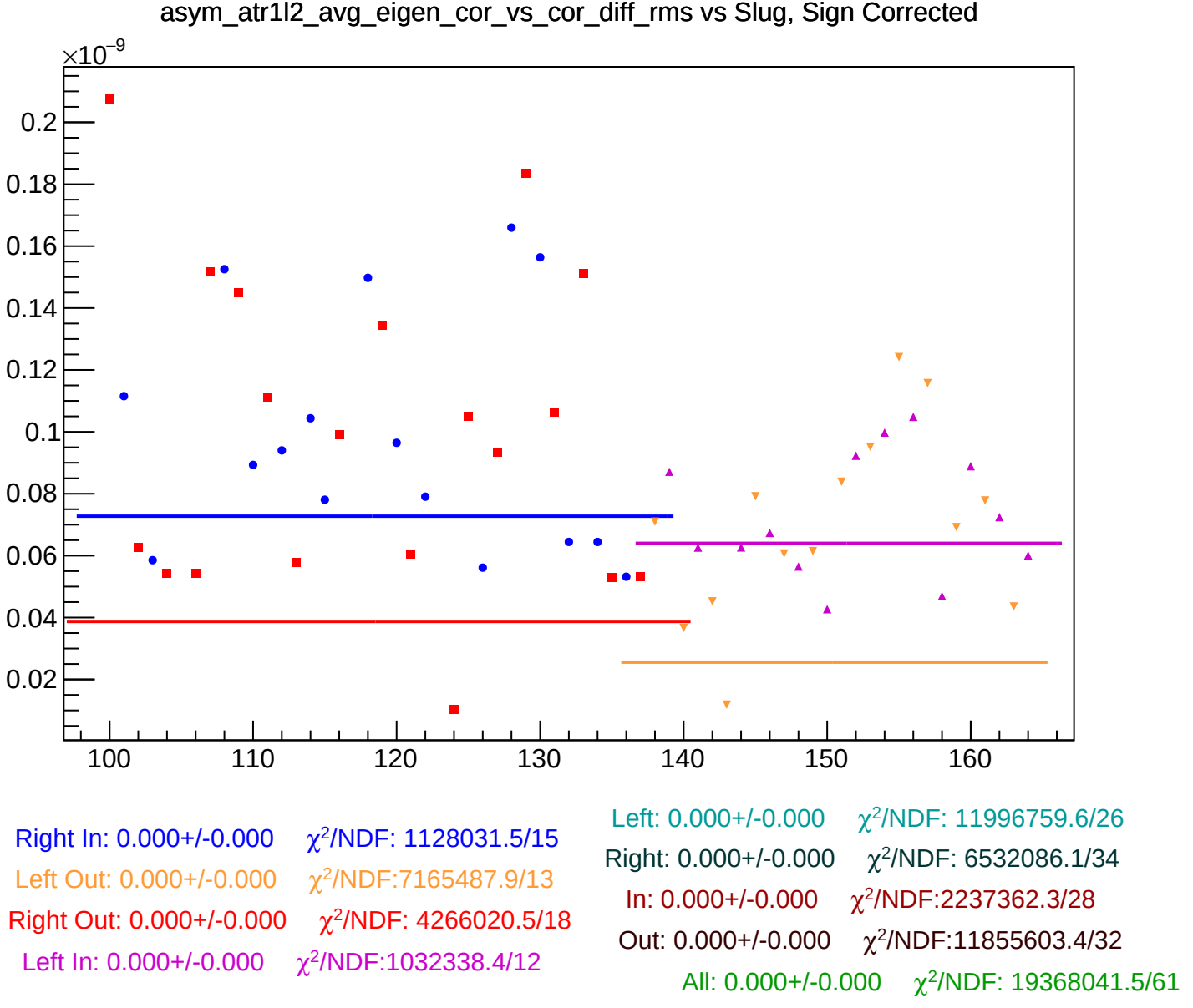
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 181.395+/-0.035 χ^2/NDF:7695945.1/28

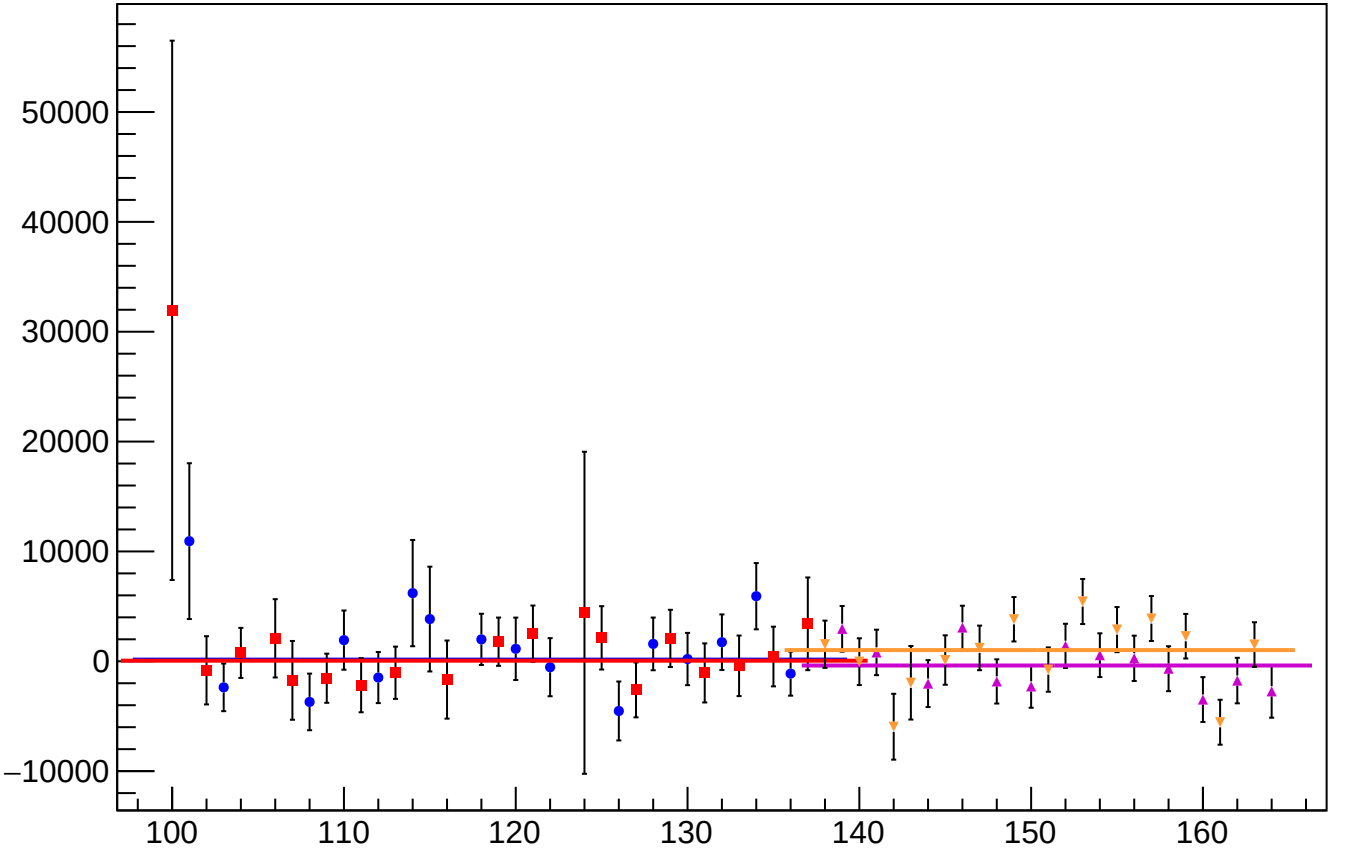
Out: 160.257+/-0.033 χ^2/NDF:11414759.8/32

All: 170.197+/-0.024 χ^2/NDF: 19304765.3/61


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
160
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: -0.000+/-0.000 χ²/NDF:10.9/13
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: -0.000+/-0.000 χ²/NDF:10.8/12
Left: -0.000+/-0.000 χ²/NDF: 23.0/26
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:23.3/28
Out: -0.000+/-0.000 χ²/NDF:45.5/32
All: -0.000+/-0.000 χ²/NDF: 69.5/61


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:7165487.9/13
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:1032338.4/12
Left: 0.000+/-0.000 χ²/NDF: 11996759.6/26
Right: 0.000+/-0.000 χ²/NDF: 6532086.1/34
In: 0.000+/-0.000 χ²/NDF:2237362.3/28
Out: 0.000+/-0.000 χ²/NDF:11855603.4/32
All: 0.000+/-0.000 χ²/NDF: 19368041.5/61

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1018.339+/-576.771 χ^2/NDF:27.6/13

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -385.256+/-570.707 χ^2/NDF:12.9/12

Left: 309.125+/-405.678 χ^2/NDF: 43.4/26

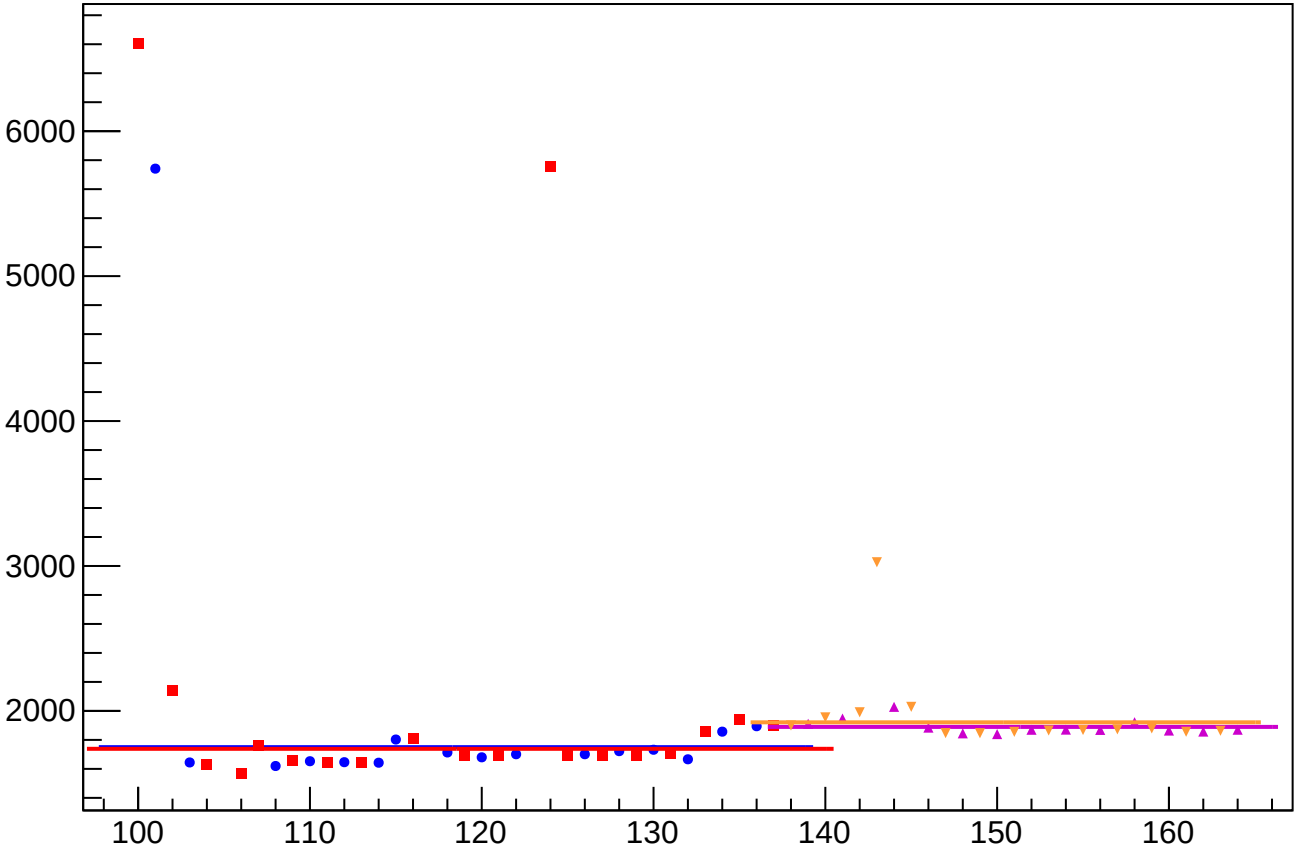
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -158.726+/-433.644 χ^2/NDF:30.9/28

Out: 597.407+/-432.945 χ^2/NDF:37.8/32

All: 219.951+/-306.385 χ^2/NDF: 70.2/61

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1921.246+/-0.408 χ^2/NDF:239895.8/13

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1889.653+/-0.404 χ^2/NDF:14416.4/12

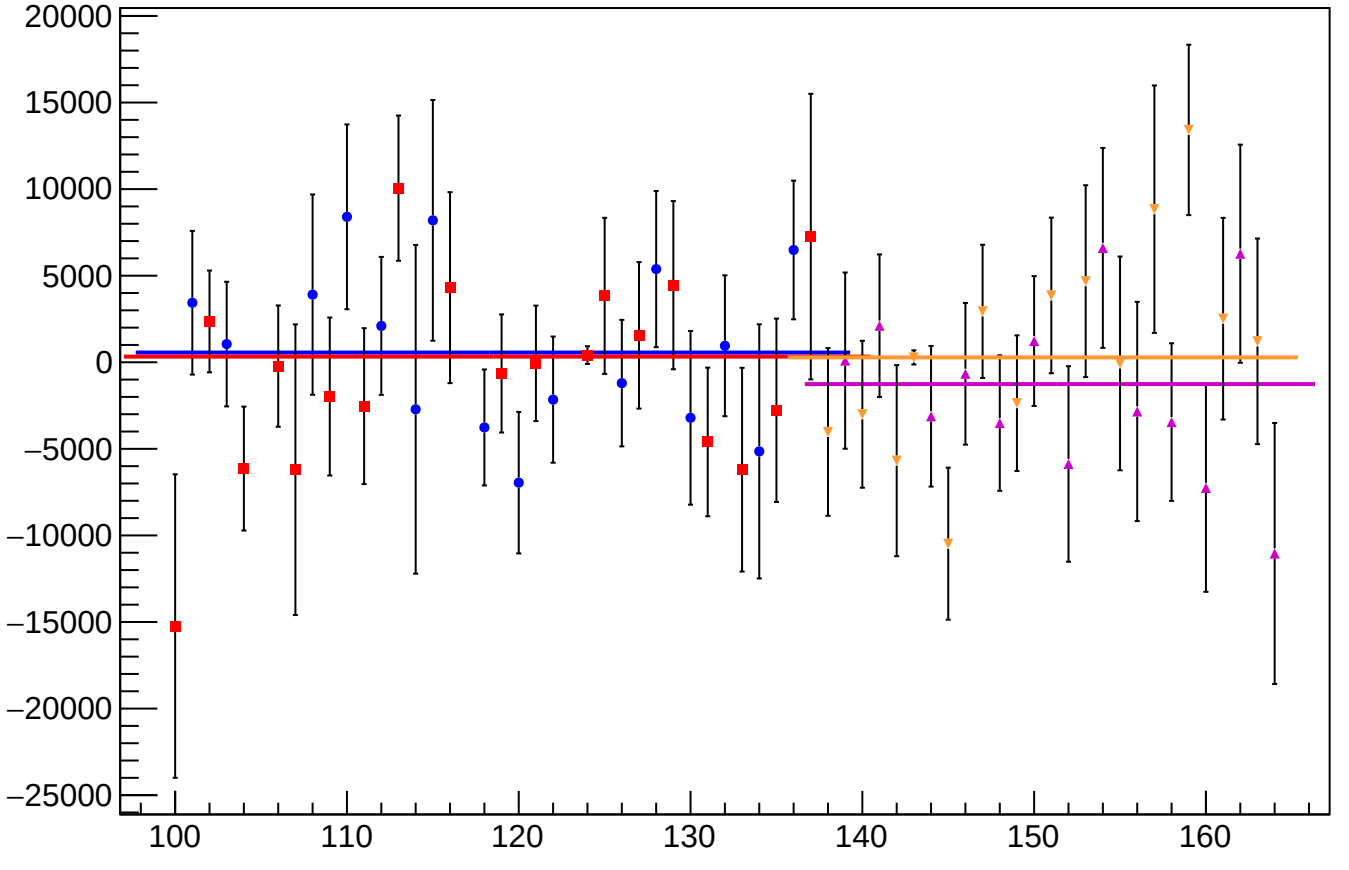
Left: 1905.283+/-0.287 χ^2/NDF: 257344.3/26

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1830.572+/-0.307 χ^2/NDF:734706.3/28

Out: 1840.804+/-0.305 χ^2/NDF:632773.3/32

All: 1835.713+/-0.216 χ^2/NDF: 1368039.1/61



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 281.255+/-391.693 χ^2/NDF:19.5/13

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -1259.177+/-1336.897 χ^2/NDF:8.7/12

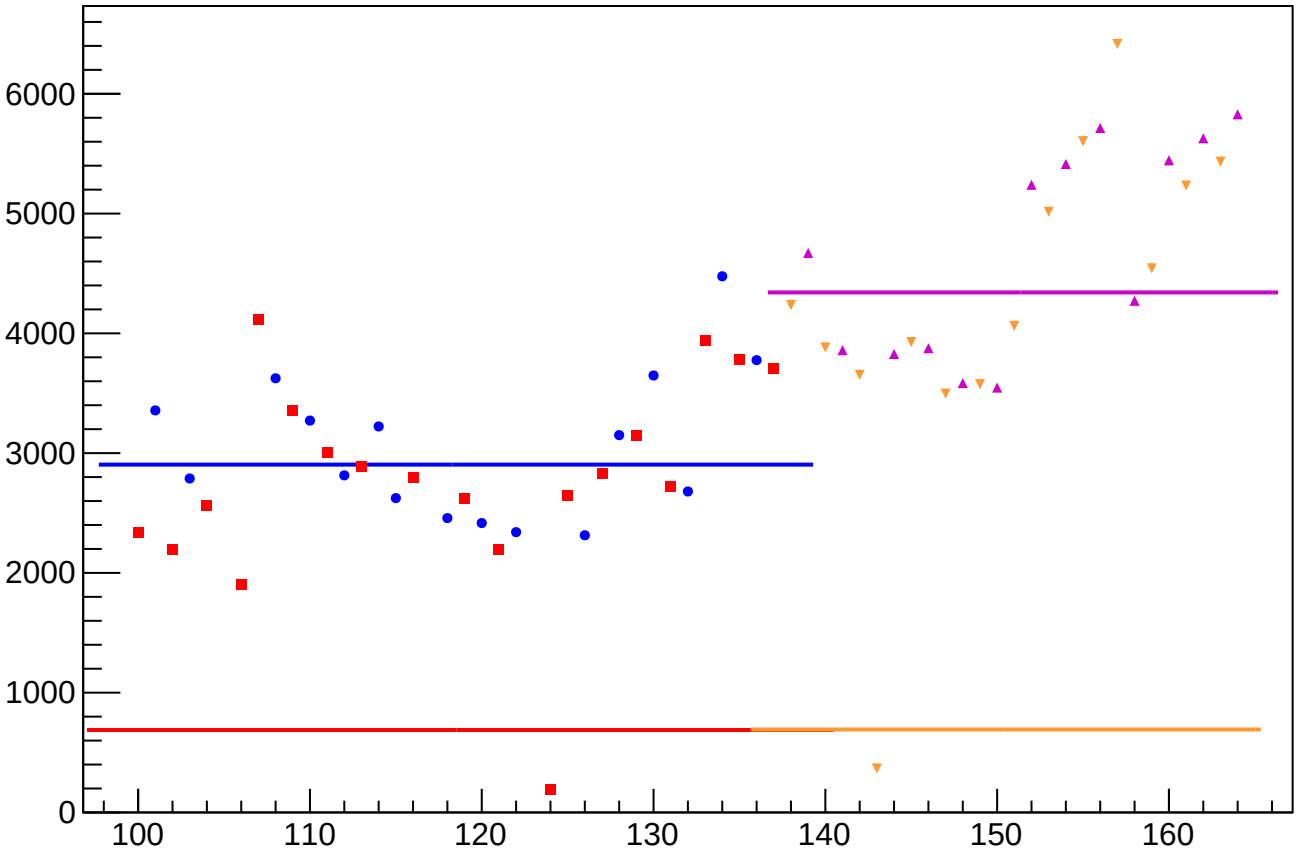
Left: 159.476+/-375.892 χ^2/NDF: 29.4/26

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: -173.929+/-849.962 χ^2/NDF:24.6/28

Out: 299.976+/-297.663 χ^2/NDF:38.7/32

All: 248.204+/-280.934 χ^2/NDF: 63.6/61



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 692.583+/-0.277 χ^2/NDF:15884071.5/13

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4341.621+/-0.945 χ^2/NDF:701427.0/12

Left: 981.058+/-0.266 χ^2/NDF: 30307718.1/26

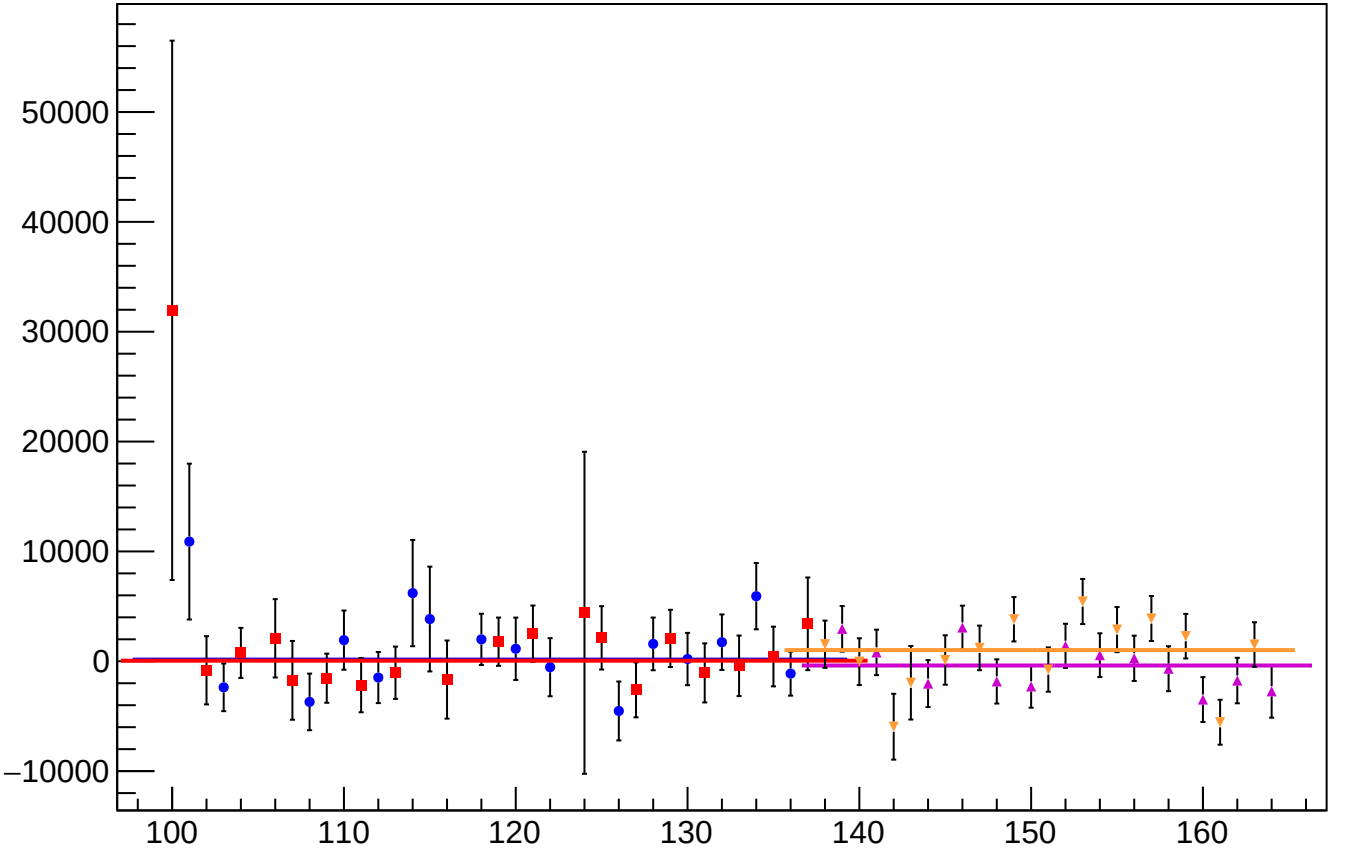
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3485.131+/-0.601 χ^2/NDF:2558991.0/28

Out: 690.782+/-0.210 χ^2/NDF:26033085.8/32

All: 996.055+/-0.199 χ^2/NDF: 47847350.5/61

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1018.299+/-576.771 χ^2/NDF:27.6/13

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -385.299+/-570.707 χ^2/NDF:12.9/12

Left: 309.084+/-405.678 χ^2/NDF: 43.4/26

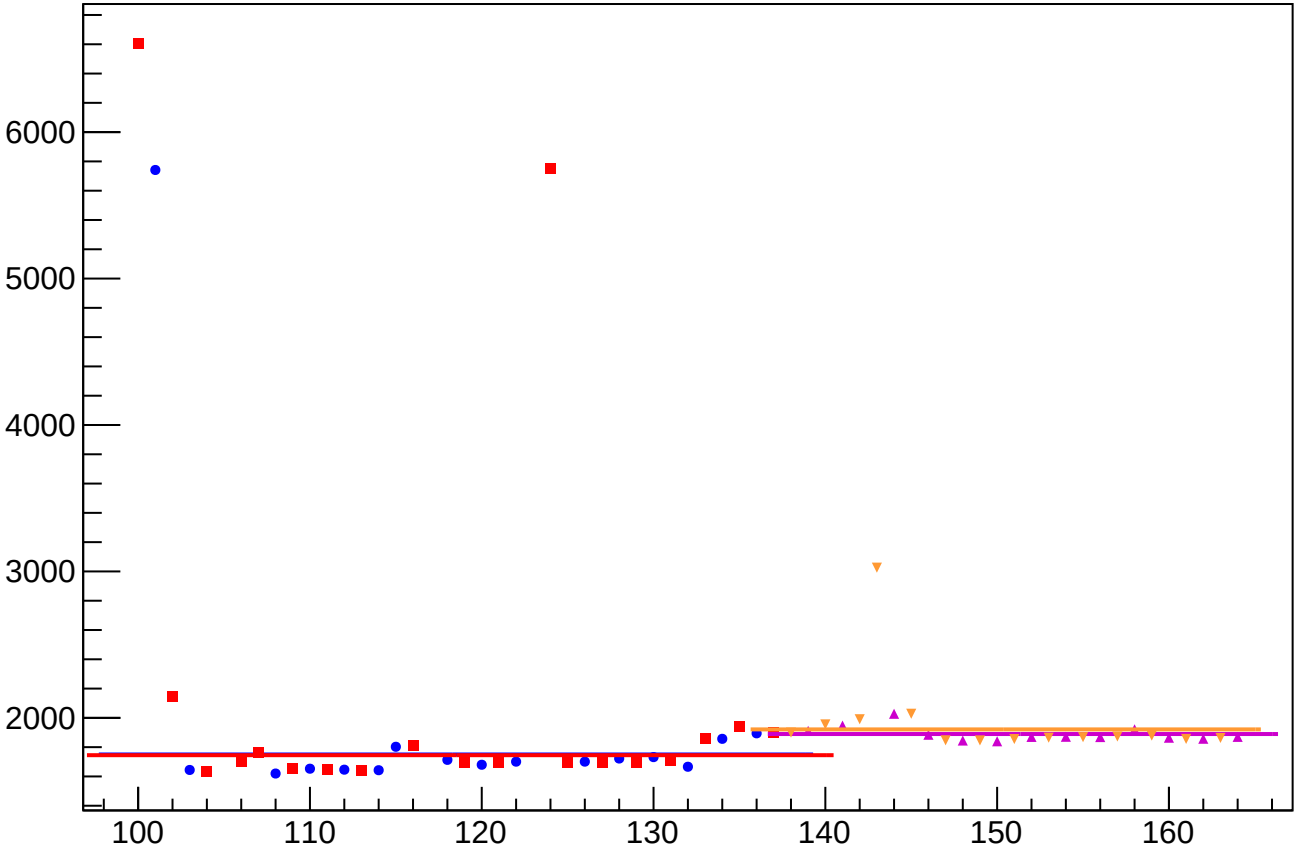
Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -158.949+/-433.645 χ^2/NDF:30.9/28

Out: 597.407+/-432.945 χ^2/NDF:37.8/32

All: 219.840+/-306.385 χ^2/NDF: 70.2/61

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1921.247+/-0.408 χ^2/NDF:239895.8/13

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1889.653+/-0.404 χ^2/NDF:14416.4/12

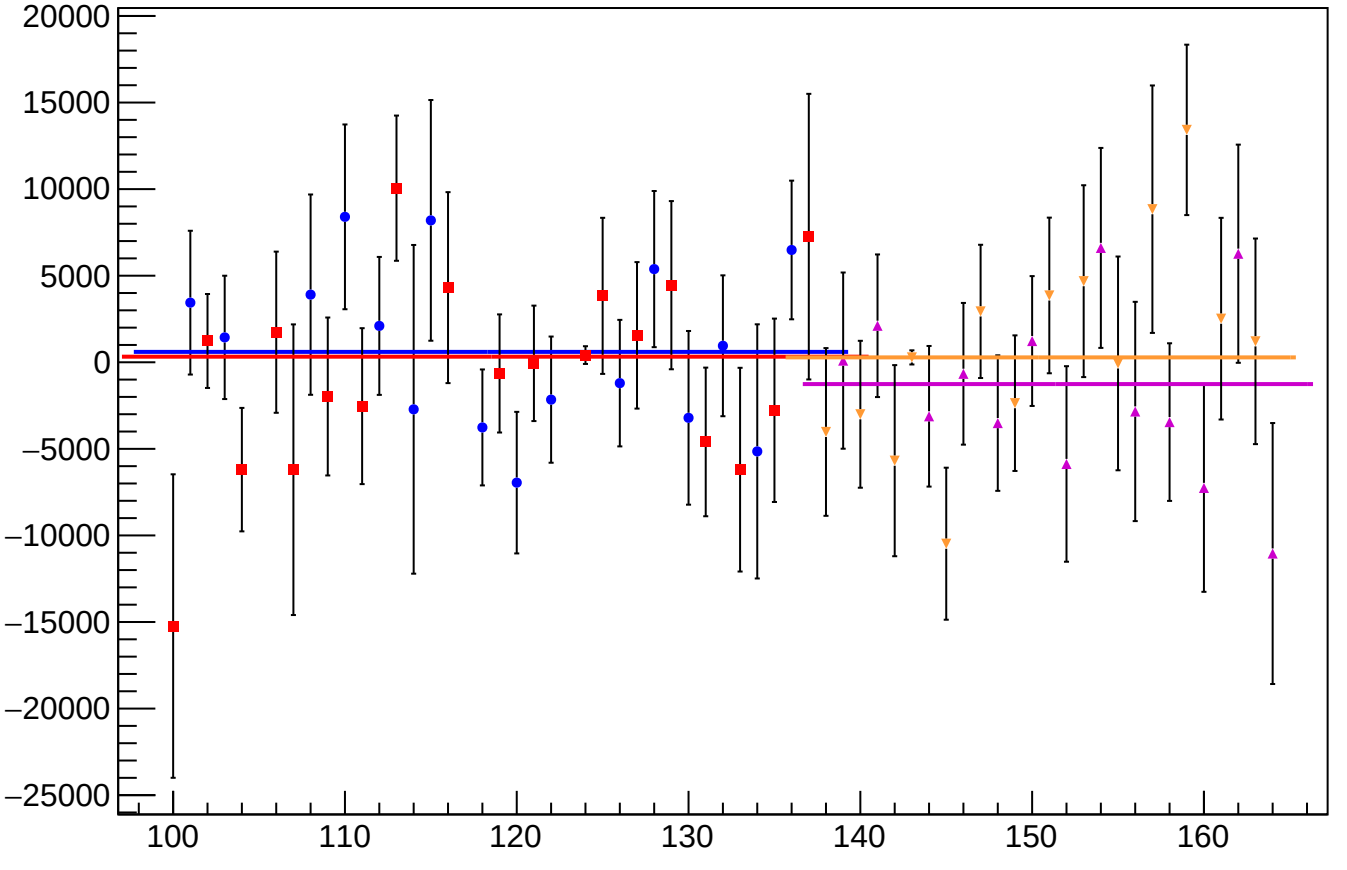
Left: 1905.283+/-0.287 χ^2/NDF: 257344.3/26

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1830.572+/-0.307 χ^2/NDF:734706.8/28

Out: 1844.065+/-0.306 χ^2/NDF:619569.9/32

All: 1837.340+/-0.216 χ^2/NDF: 1355248.0/61



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 282.219+/-391.725 χ^2/NDF:19.5/13

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1259.266+/-1336.895 χ^2/NDF:8.7/12

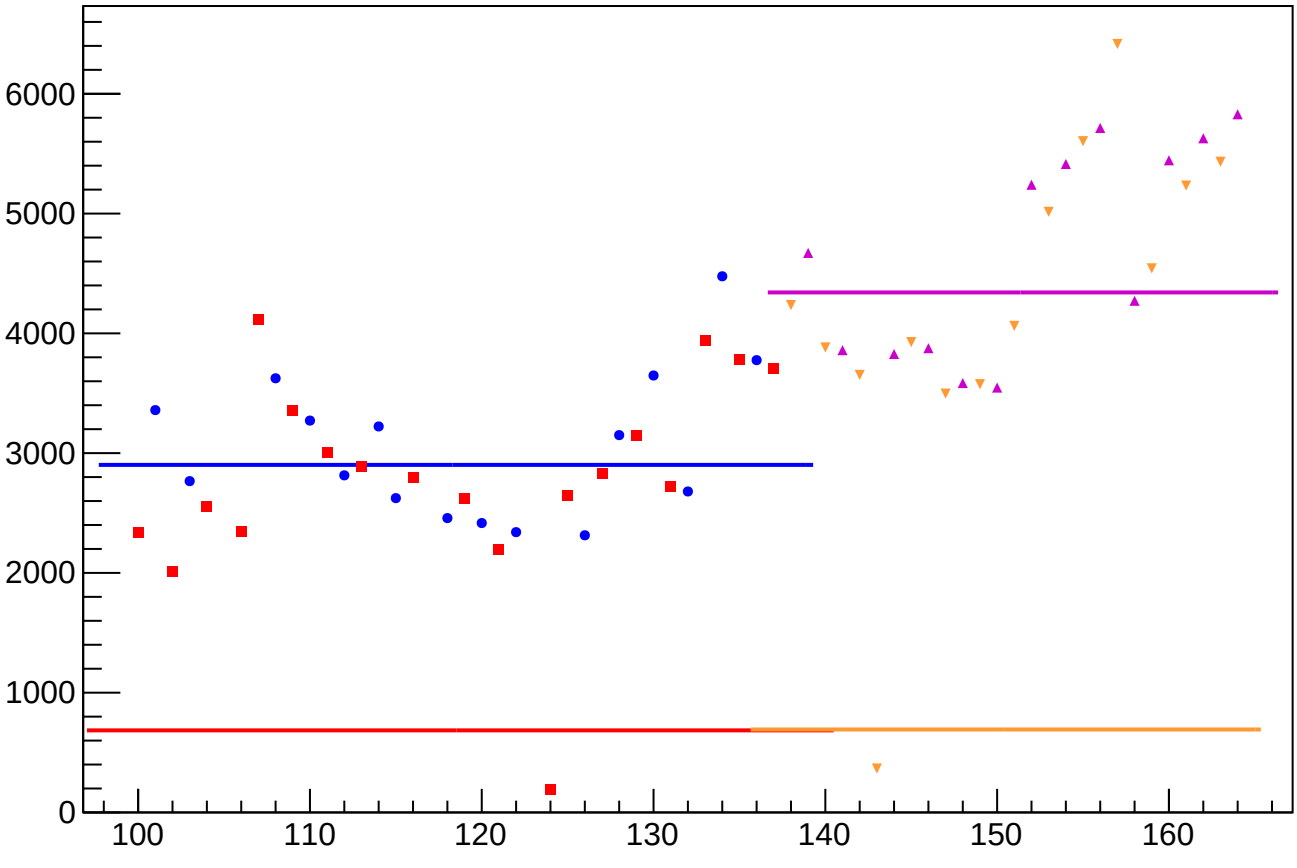
Left: 160.338+/-375.920 χ^2/NDF: 29.4/26

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -150.564+/-849.484 χ^2/NDF:24.7/28

Out: 299.480+/-297.928 χ^2/NDF:38.5/32

All: 250.186+/-281.139 χ^2/NDF: 63.4/61



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 692.674+/-0.277 χ^2/NDF:15883523.9/13

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4341.612+/-0.945 χ^2/NDF:701440.5/12

Left: 981.185+/-0.266 χ^2/NDF: 30306303.2/26

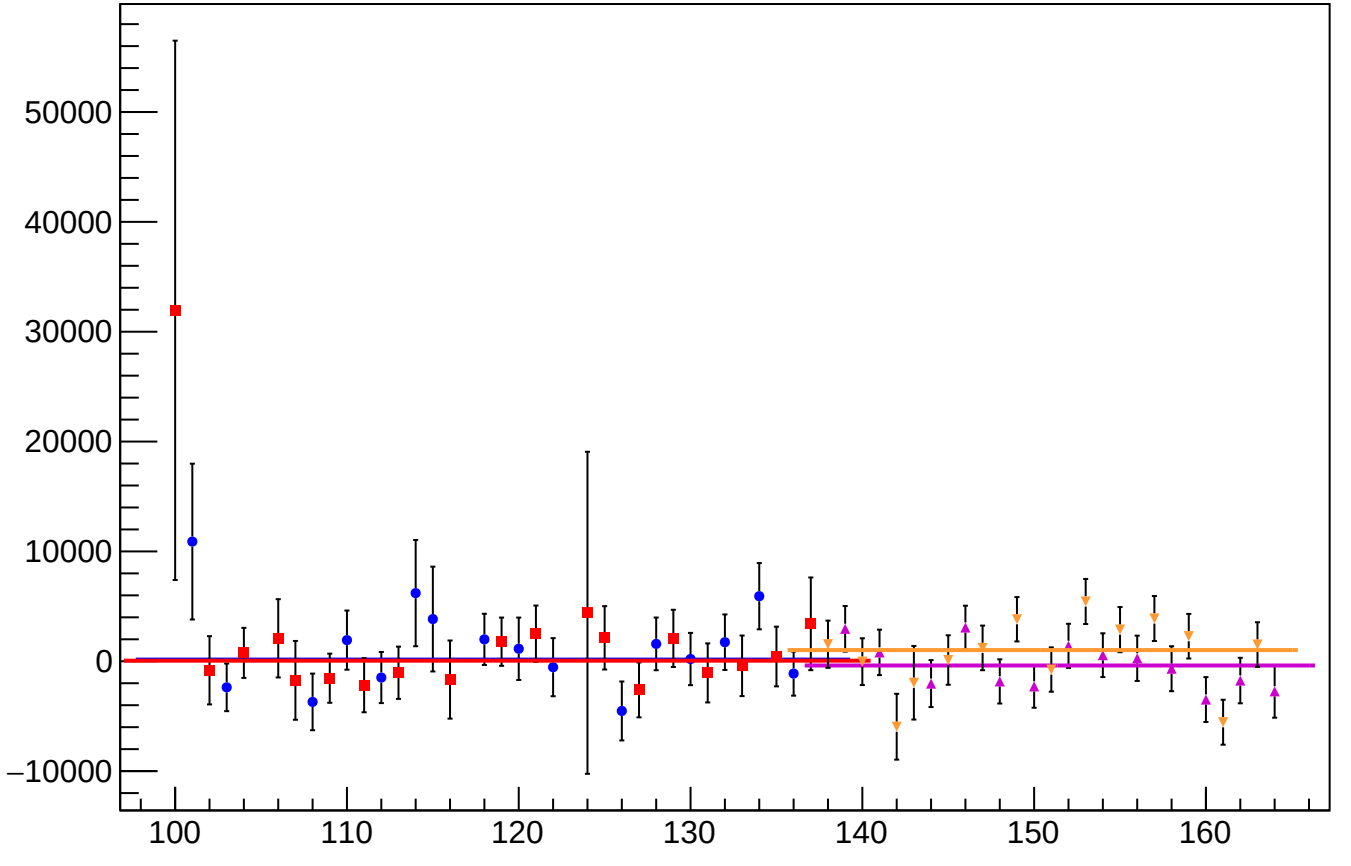
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3483.165+/-0.601 χ^2/NDF:2565420.2/28

Out: 689.547+/-0.211 χ^2/NDF:25989623.6/32

All: 995.531+/-0.199 χ^2/NDF: 47815789.9/61

eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1018.299+/-576.771 χ^2/NDF:27.6/13

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -385.299+/-570.707 χ^2/NDF:12.9/12

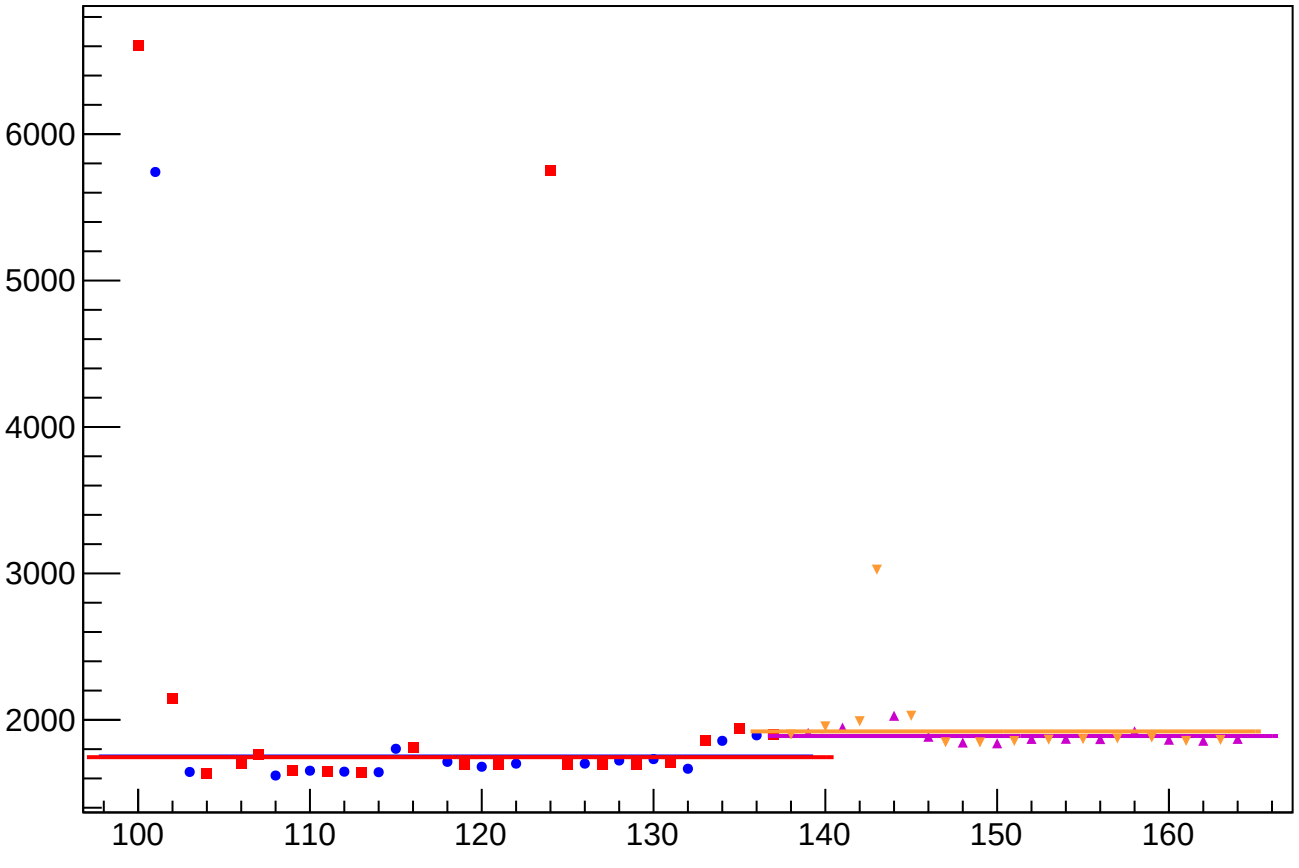
Left: 309.084+/-405.678 χ^2/NDF: 43.4/26

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -158.949+/-433.645 χ^2/NDF:30.9/28

Out: 597.407+/-432.945 χ^2/NDF:37.8/32

All: 219.840+/-306.385 χ^2/NDF: 70.2/61



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1921.247+/-0.408 χ^2/NDF:239895.8/13

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1889.653+/-0.404 χ^2/NDF:14416.4/12

Left: 1905.283+/-0.287 χ^2/NDF: 257344.3/26

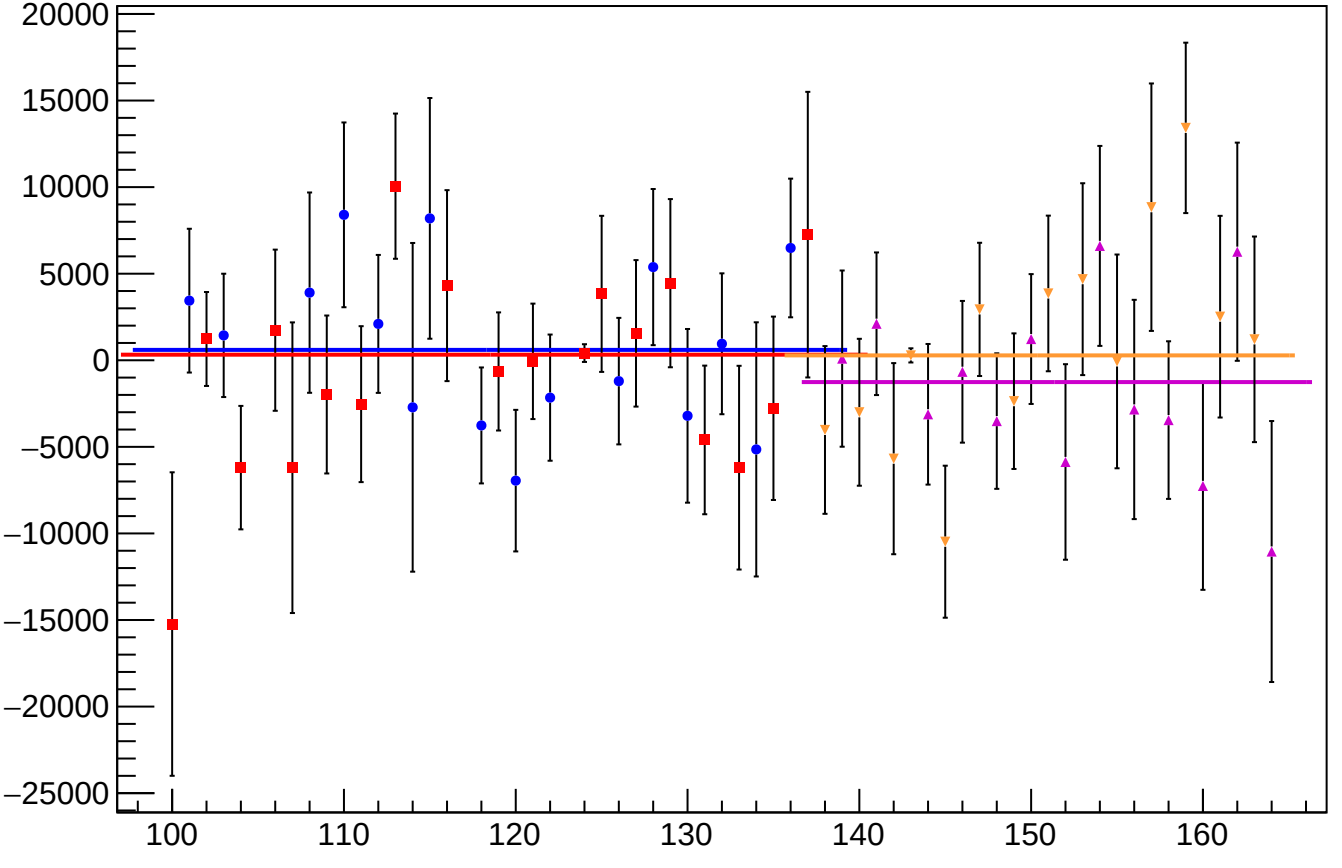
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1830.572+/-0.307 χ^2/NDF:734706.8/28

Out: 1844.065+/-0.306 χ^2/NDF:619569.9/32

All: 1837.340+/-0.216 χ^2/NDF: 1355248.0/61

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 282.219+/-391.725 χ^2/NDF:19.5/13

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1259.266+/-1336.895 χ^2/NDF:8.7/12

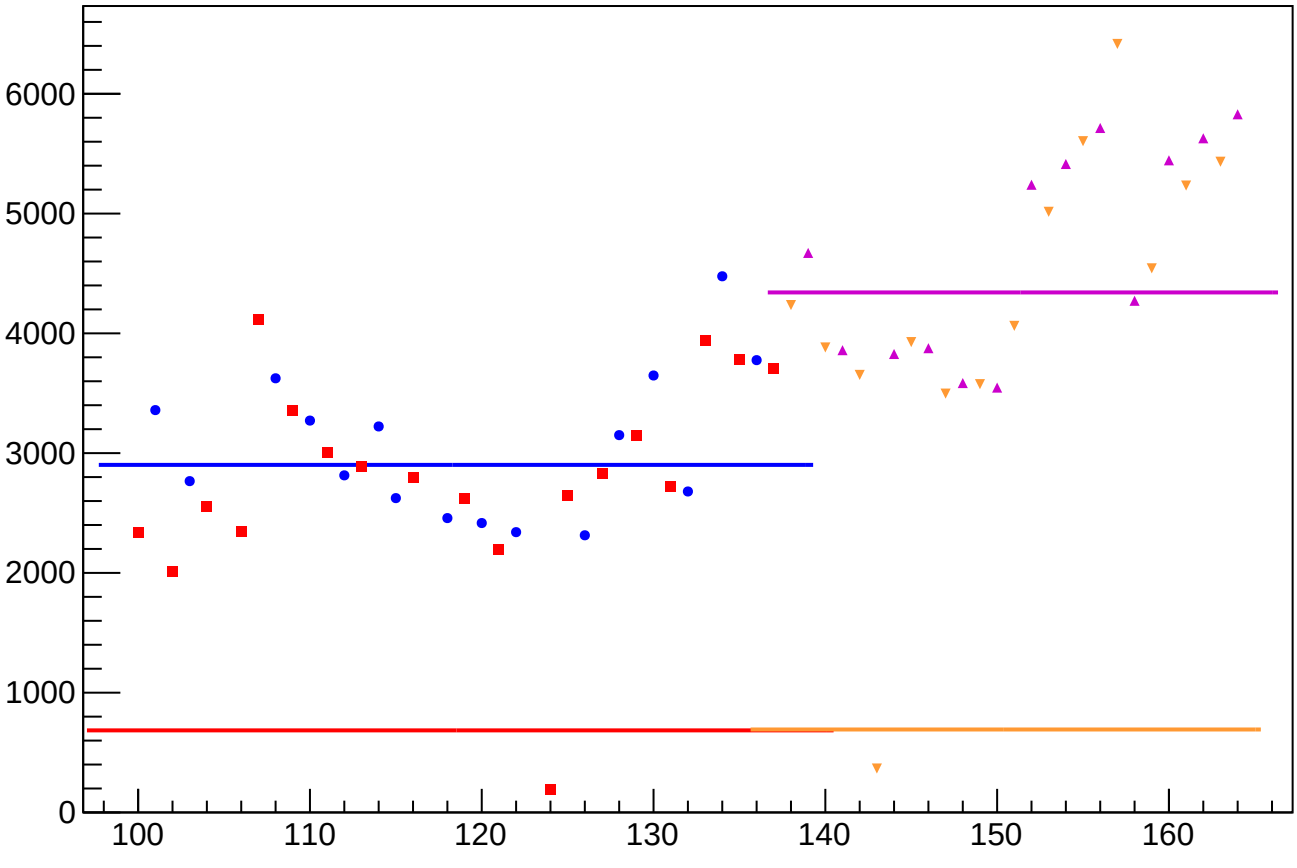
Left: 160.338+/-375.920 χ^2/NDF: 29.4/26

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -150.564+/-849.484 χ^2/NDF:24.7/28

Out: 299.480+/-297.928 χ^2/NDF:38.5/32

All: 250.186+/-281.139 χ^2/NDF: 63.4/61



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 692.674+/-0.277 χ^2/NDF:15883523.9/13

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4341.612+/-0.945 χ^2/NDF:701440.5/12

Left: 981.185+/-0.266 χ^2/NDF: 30306303.2/26

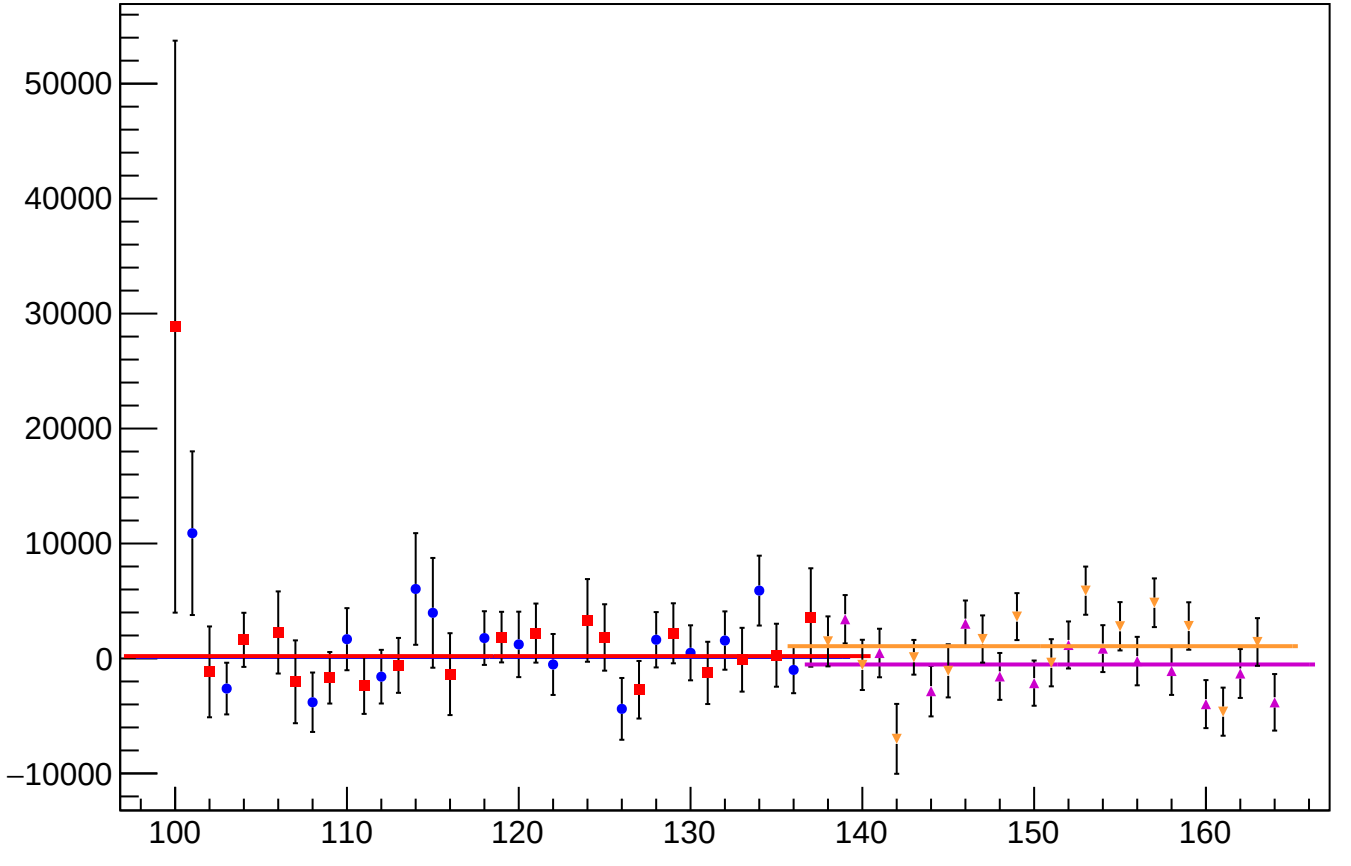
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3483.165+/-0.601 χ^2/NDF:2565420.2/28

Out: 689.547+/-0.211 χ^2/NDF:25989623.6/32

All: 995.531+/-0.199 χ^2/NDF: 47815789.9/61

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1068.998+/-555.365 χ^2/NDF:28.4/13

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -522.602+/-581.887 χ^2/NDF:14.8/12

Left: 310.295+/-401.751 χ^2/NDF: 47.1/26

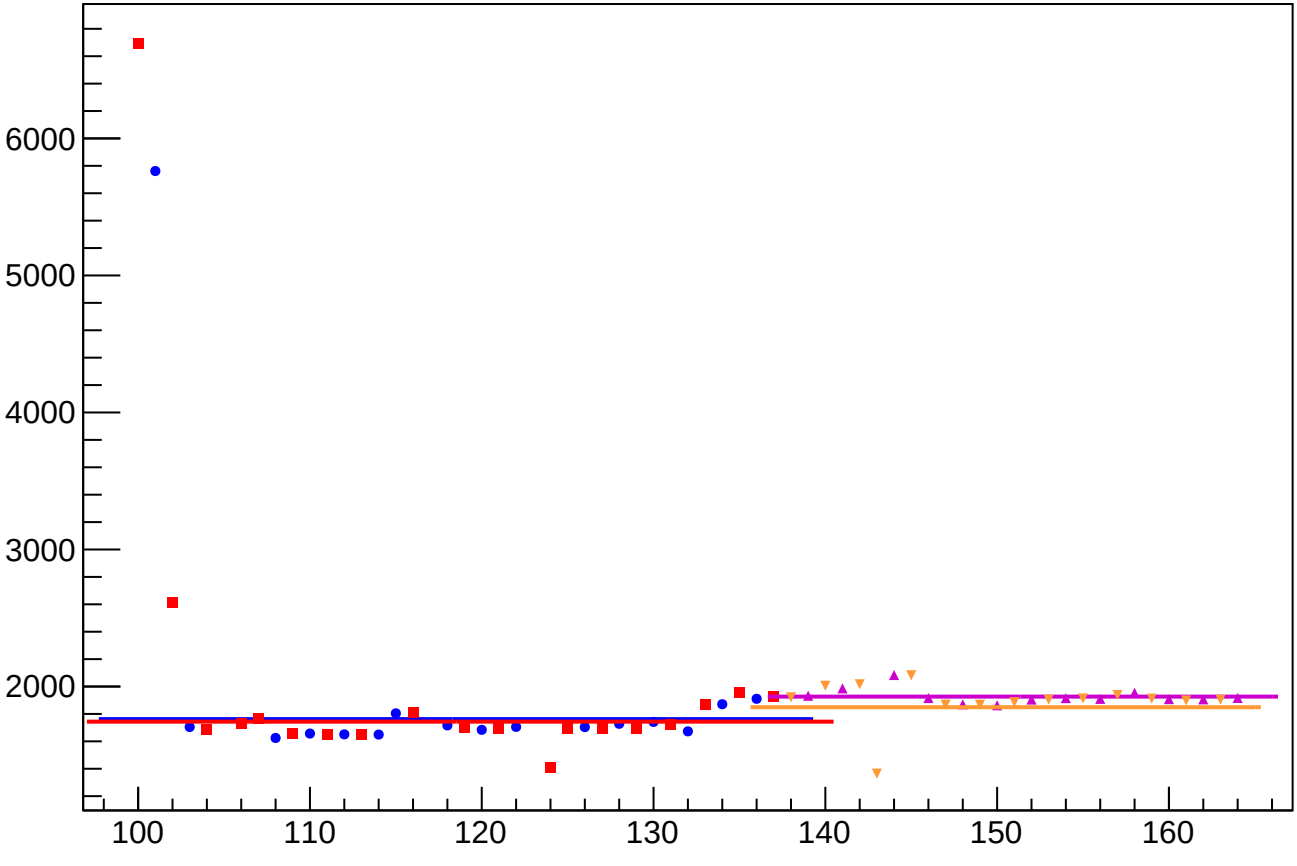
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -241.134+/-439.785 χ^2/NDF:32.6/28

Out: 707.464+/-423.446 χ^2/NDF:39.1/32

All: 251.114+/-305.034 χ^2/NDF: 74.1/61

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1849.074+/-0.393 χ^2/NDF:257077.3/13

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1926.497+/-0.411 χ^2/NDF:16714.0/12

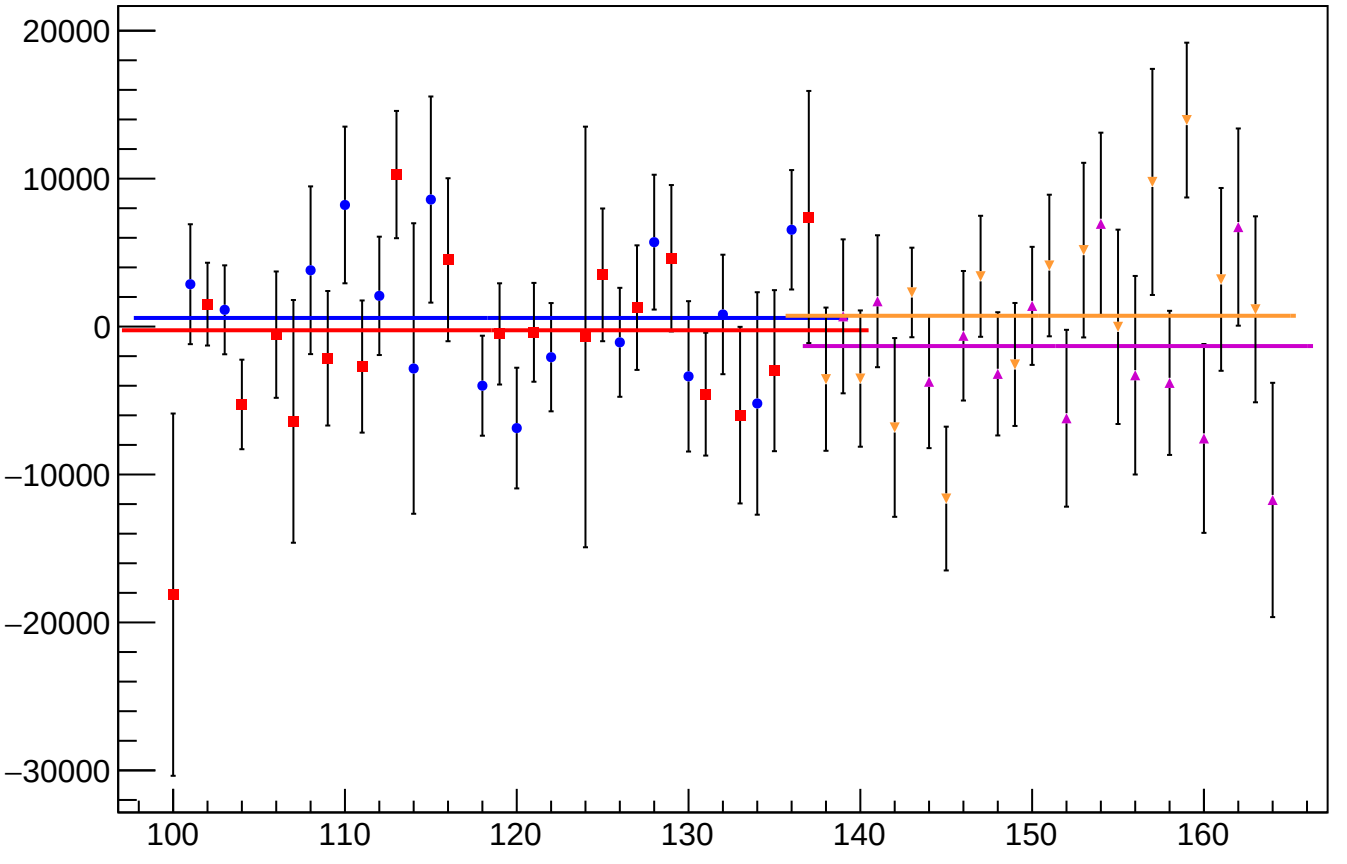
Left: 1885.981+/-0.284 χ^2/NDF: 292320.2/26

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1855.986+/-0.311 χ^2/NDF:752900.8/28

Out: 1804.821+/-0.299 χ^2/NDF:515070.3/32

All: 1829.405+/-0.216 χ^2/NDF: 1282035.2/61



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 730.086+/-1305.148 χ^2/NDF:20.0/13

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -1317.543+/-1426.876 χ^2/NDF:8.5/12

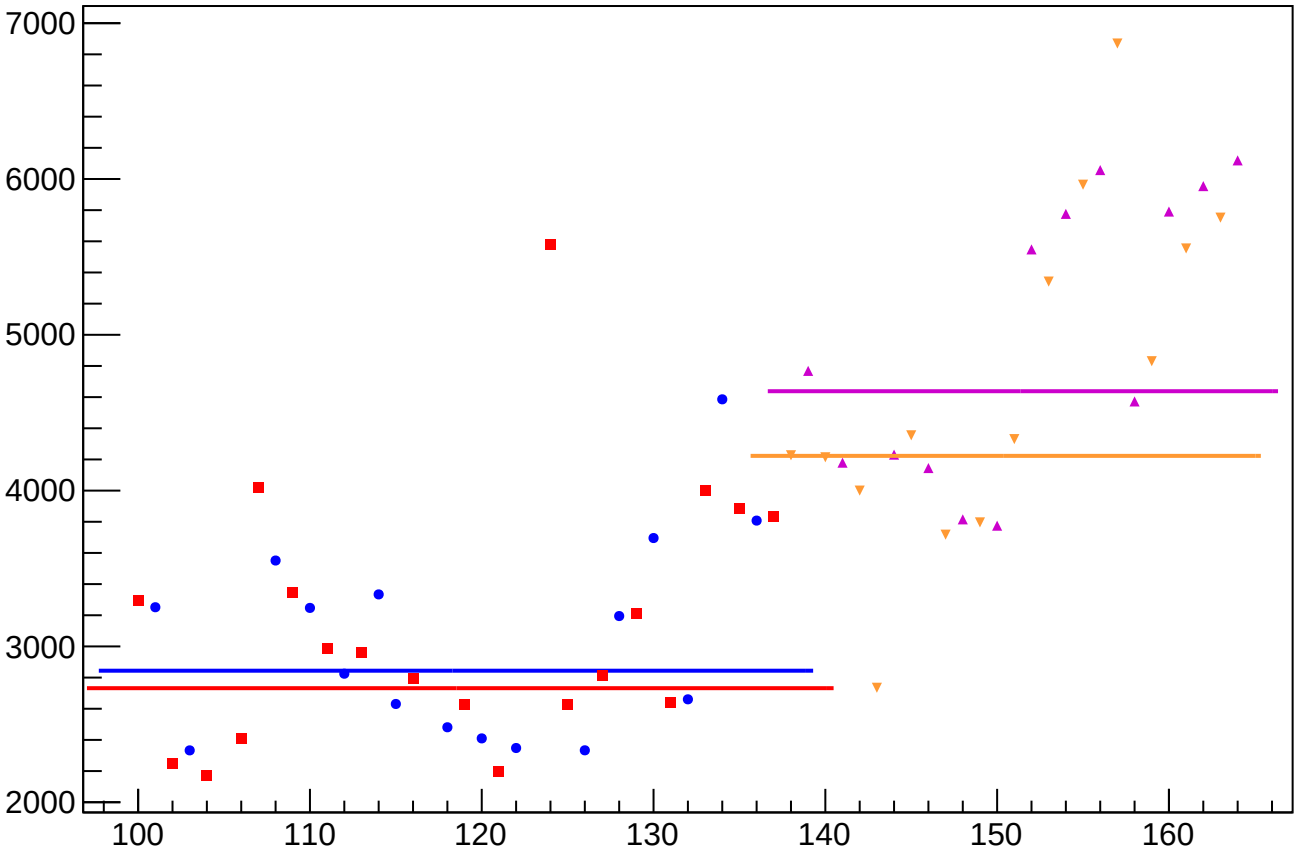
Left: -202.675+/-963.043 χ^2/NDF: 29.7/26

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: -110.934+/-861.890 χ^2/NDF:24.5/28

Out: 121.948+/-804.174 χ^2/NDF:38.3/32

All: 13.565+/-587.983 χ^2/NDF: 62.9/61



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4223.010+/-0.923 χ^2/NDF:1230732.9/13

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4637.967+/-1.009 χ^2/NDF:653508.7/12

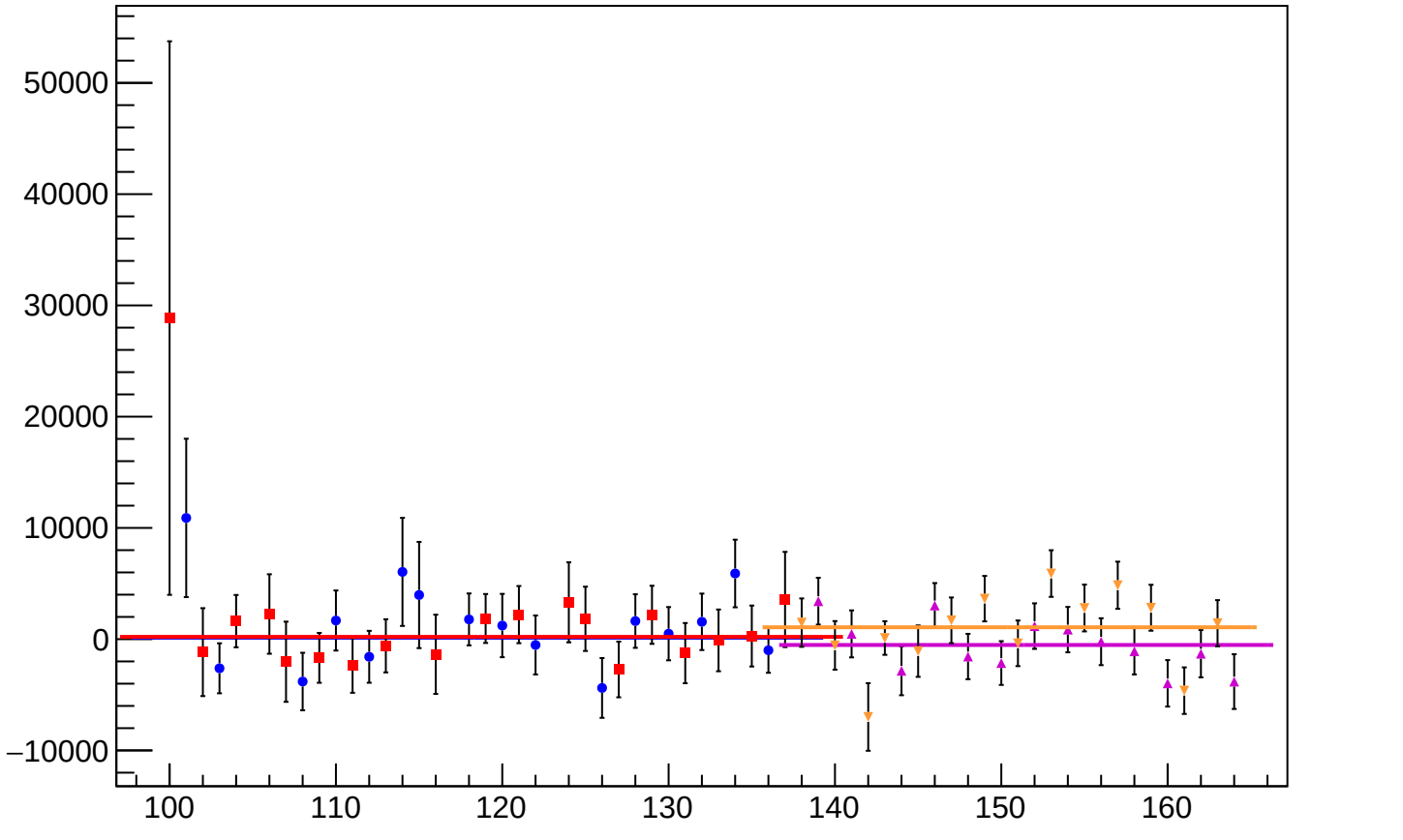
Left: 4412.036+/-0.681 χ^2/NDF: 1976336.8/26

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3498.652+/-0.609 χ^2/NDF:3203150.4/28

Out: 3298.045+/-0.569 χ^2/NDF:3461292.3/32

All: 3391.407+/-0.416 χ^2/NDF: 6722365.4/61



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1068.999+/-555.365 χ^2/NDF:28.4/13

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -522.605+/-581.887 χ^2/NDF:14.8/12

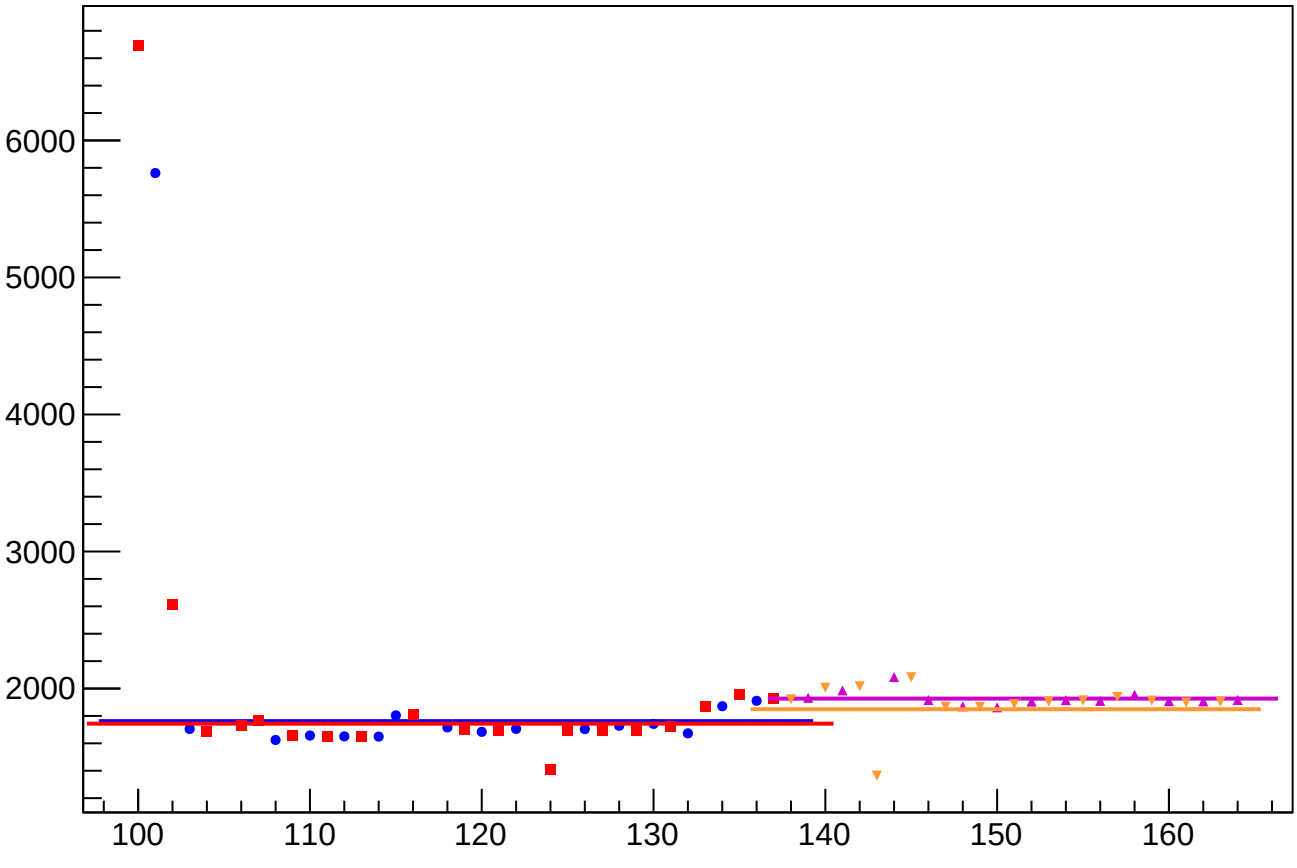
Left: 310.295+/-401.751 χ^2/NDF: 47.1/26

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -241.136+/-439.785 χ^2/NDF:32.6/28

Out: 707.463+/-423.446 χ^2/NDF:39.1/32

All: 251.113+/-305.034 χ^2/NDF: 74.1/61



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1849.075+/-0.393 χ^2/NDF:257078.5/13

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1926.498+/-0.411 χ^2/NDF:16714.2/12

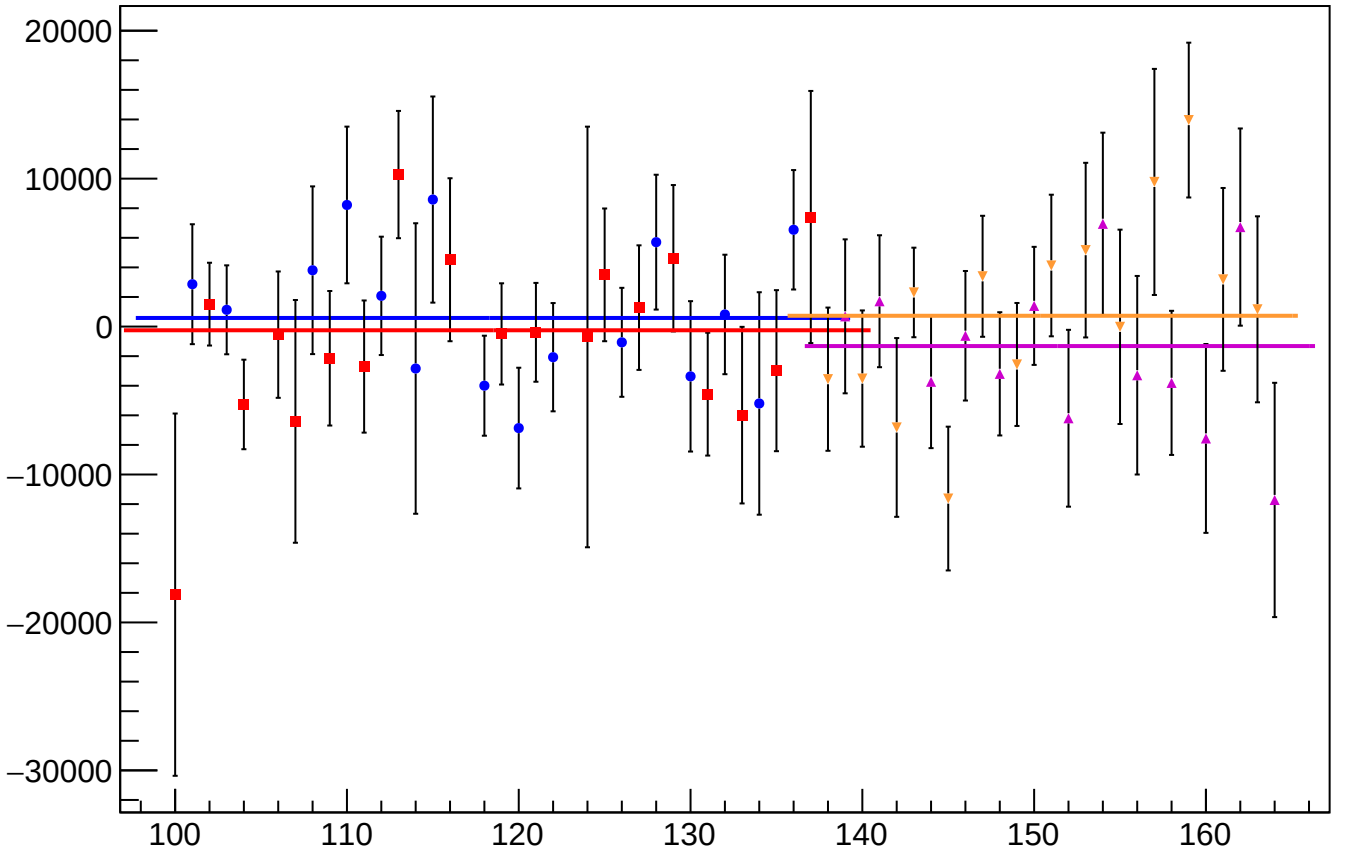
Left: 1885.982+/-0.284 χ^2/NDF: 292321.8/26

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1855.987+/-0.311 χ^2/NDF:752901.8/28

Out: 1804.821+/-0.299 χ^2/NDF:515072.1/32

All: 1829.405+/-0.216 χ^2/NDF: 1282038.1/61



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 730.090+/-1305.149 χ^2/NDF:20.0/13

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -1317.543+/-1426.878 χ^2/NDF:8.5/12

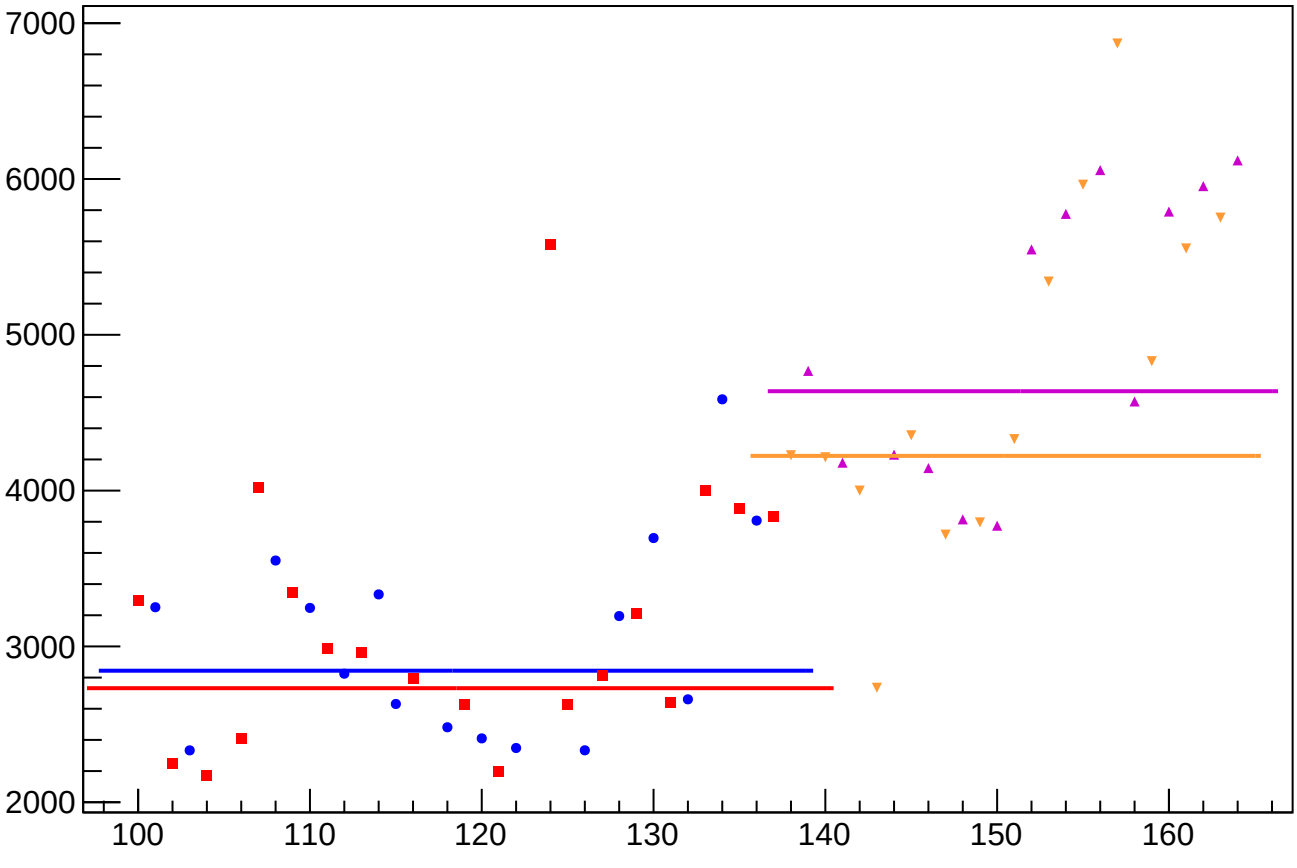
Left: -202.673+/-963.044 χ^2/NDF: 29.7/26

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

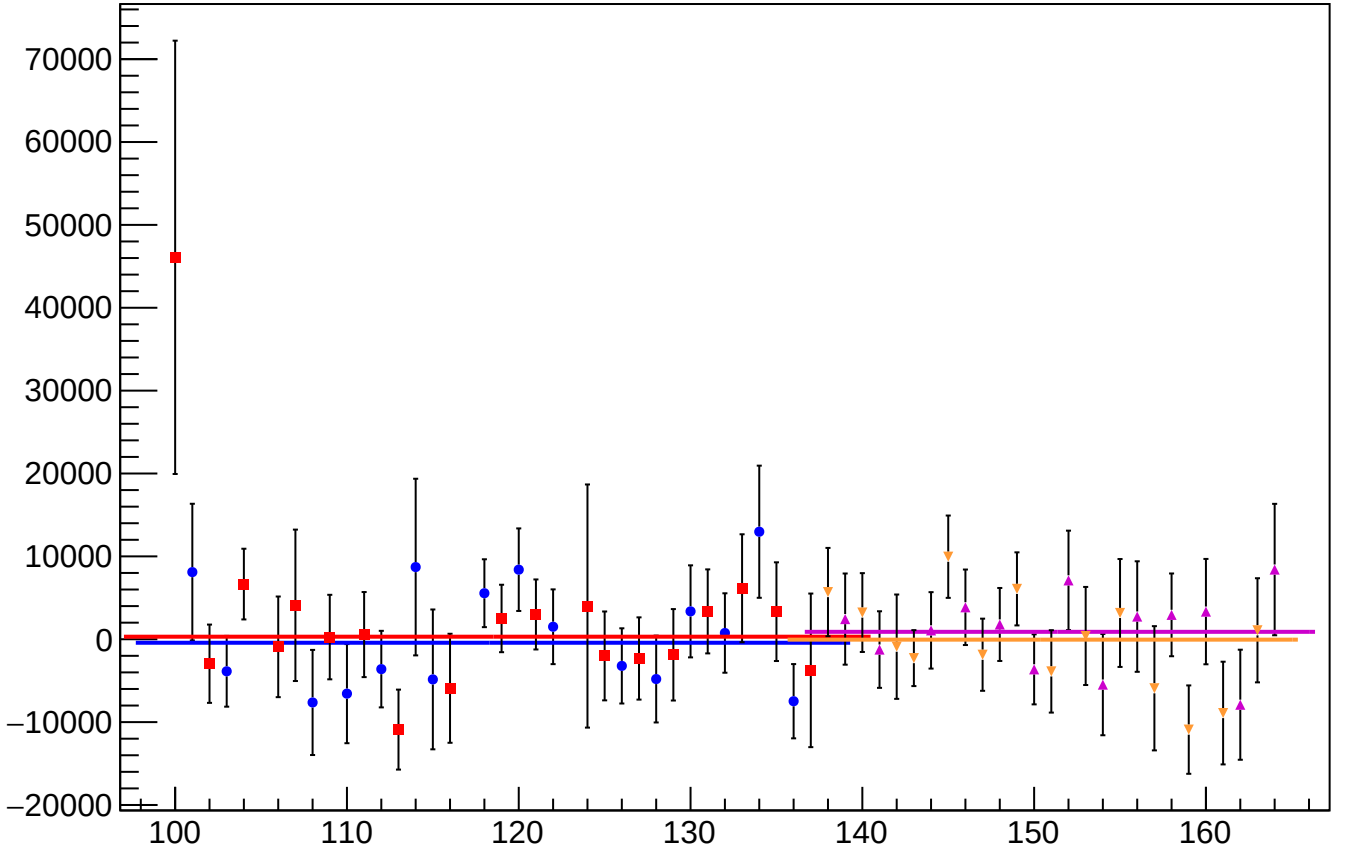
In: -110.934+/-861.889 χ^2/NDF:24.5/28

Out: 121.948+/-804.173 χ^2/NDF:38.3/32

All: 13.565+/-587.983 χ^2/NDF: 62.9/61


asym_atr1l2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 2844.145+/-0.765 χ²/NDF: 542036.2/15
Left Out: 4223.014+/-0.923 χ²/NDF:1230738.4/13
Right Out: 2731.972+/-0.722 χ²/NDF: 611272.5/18
Left In: 4637.974+/-1.009 χ²/NDF:653511.5/12
Left: 4412.042+/-0.681 χ²/NDF: 1976345.6/26
Right: 2784.835+/-0.525 χ²/NDF: 1164685.2/34
In: 3498.646+/-0.609 χ²/NDF:3203188.1/28
Out: 3298.041+/-0.569 χ²/NDF:3461317.3/32
All: 3391.402+/-0.416 χ²/NDF: 6722427.2/61

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: -49.290+/-1368.354 χ^2/NDF:15.9/13

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 894.750+/-1469.461 χ^2/NDF:7.1/12

Left: 389.138+/-1001.410 χ^2/NDF: 23.3/26

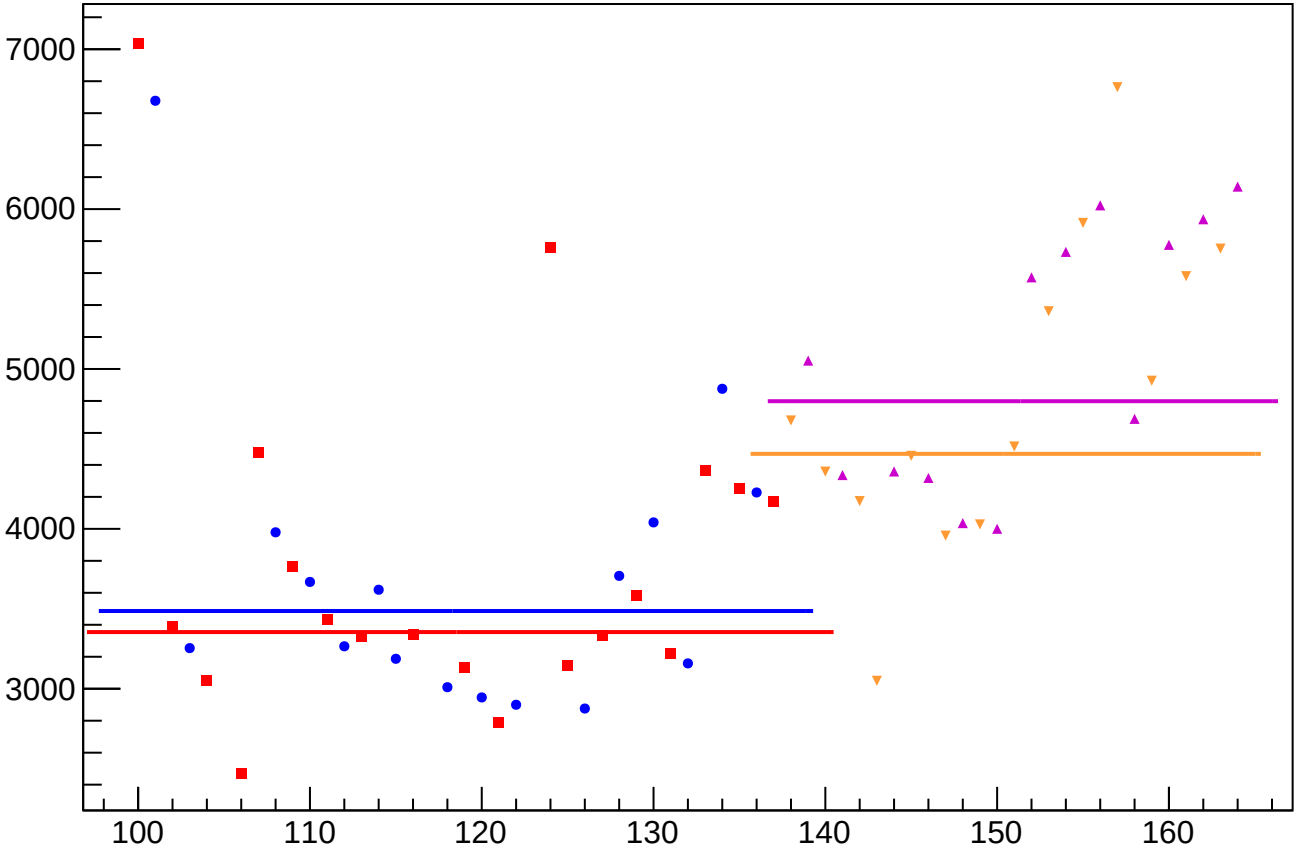
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 168.973+/-984.961 χ^2/NDF:25.4/28

Out: 141.763+/-933.101 χ^2/NDF:31.2/32

All: 154.633+/-677.394 χ^2/NDF: 56.7/61

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4469.134+/-0.968 χ^2/NDF:903663.0/13

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4798.451+/-1.039 χ^2/NDF:507782.1/12

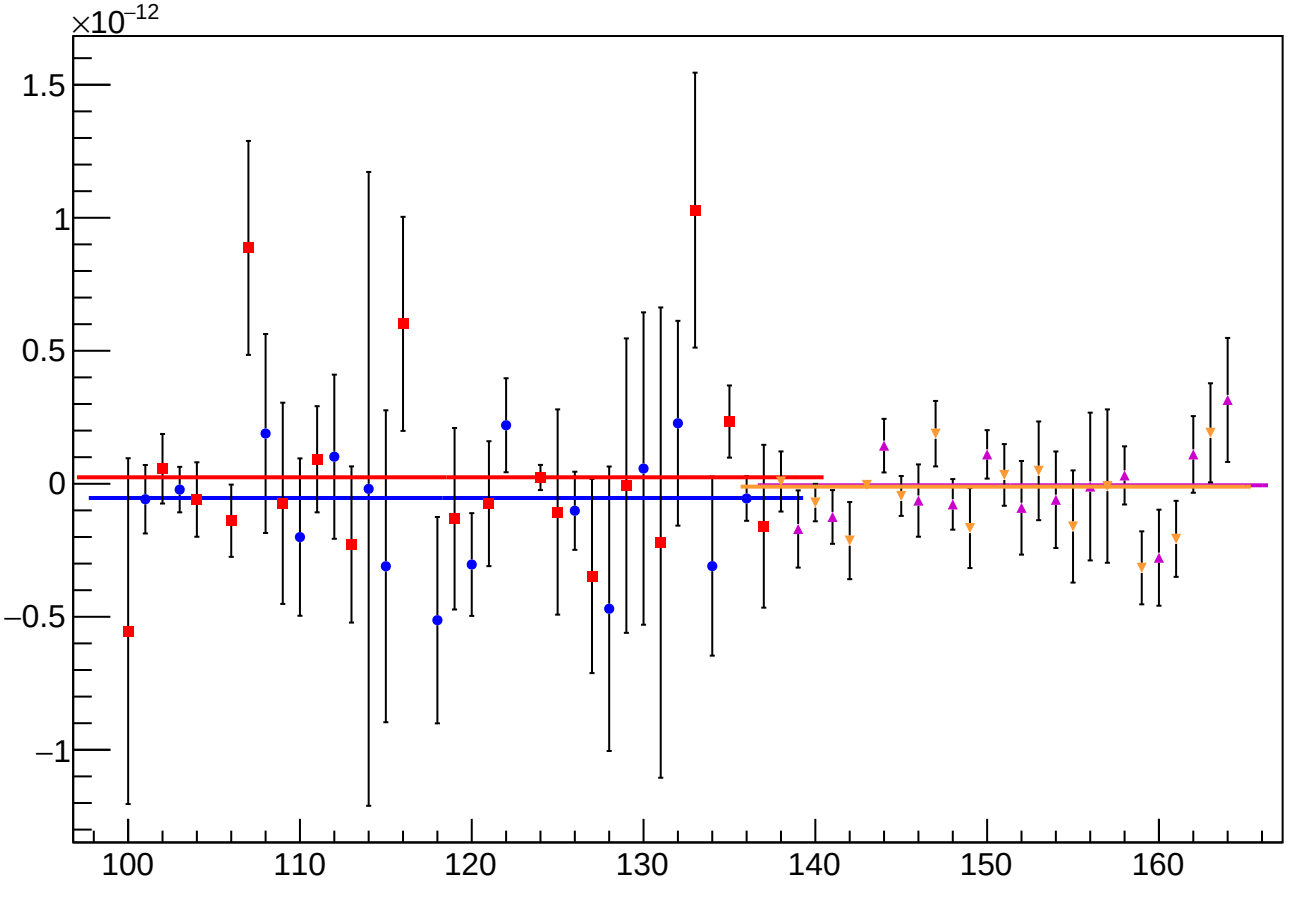
Left: 4622.074+/-0.708 χ^2/NDF: 1465243.5/26

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4075.755+/-0.696 χ^2/NDF:1981983.2/28

Out: 3864.996+/-0.655 χ^2/NDF:1999422.6/32

All: 3963.887+/-0.477 χ^2/NDF: 4030011.2/61



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/12

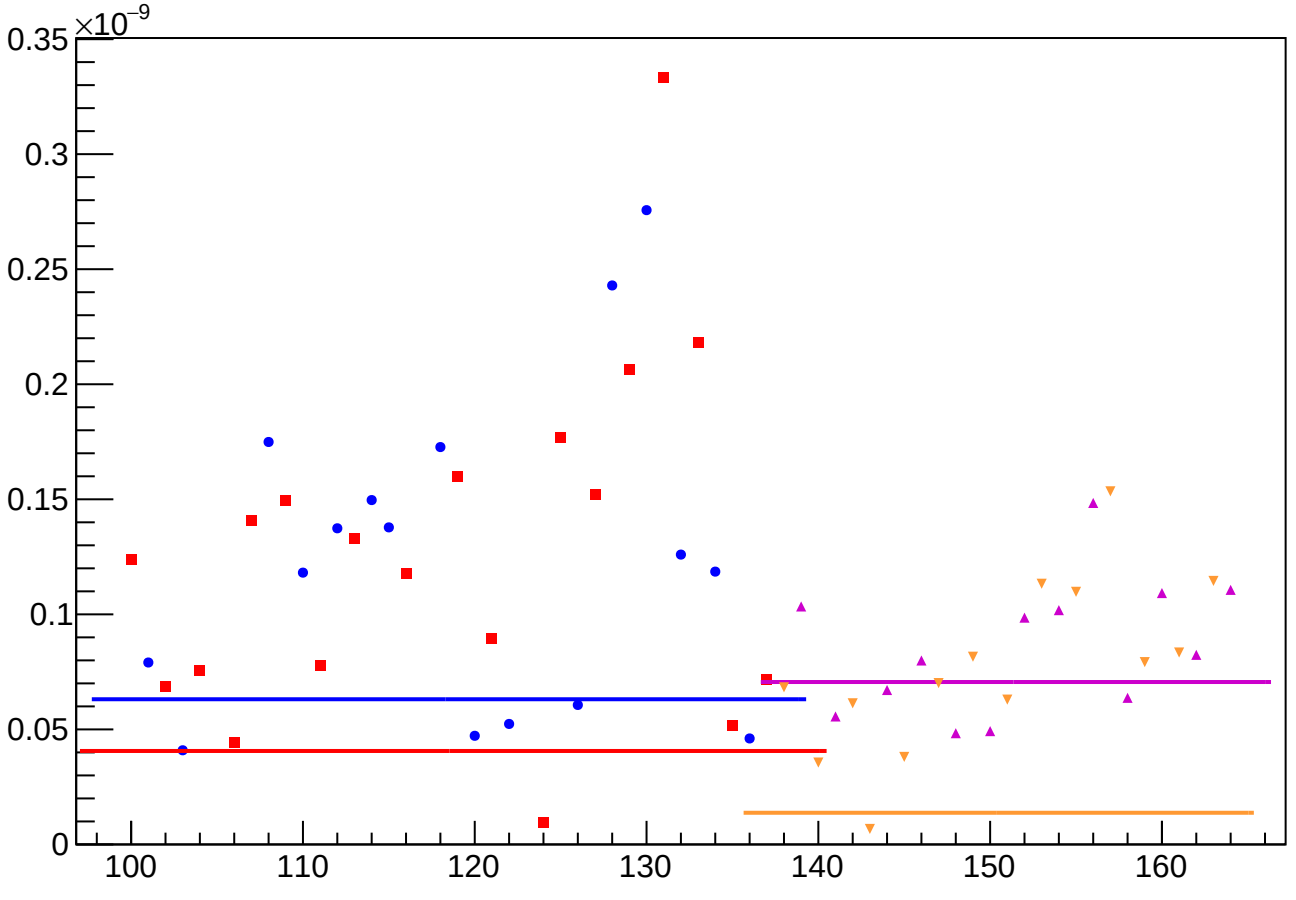
Left: -0.000+/-0.000 χ^2/NDF: 28.1/26

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:21.8/28

Out: -0.000+/-0.000 χ^2/NDF:34.9/32

All: -0.000+/-0.000 χ^2/NDF: 57.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5836761.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:816595.2/12

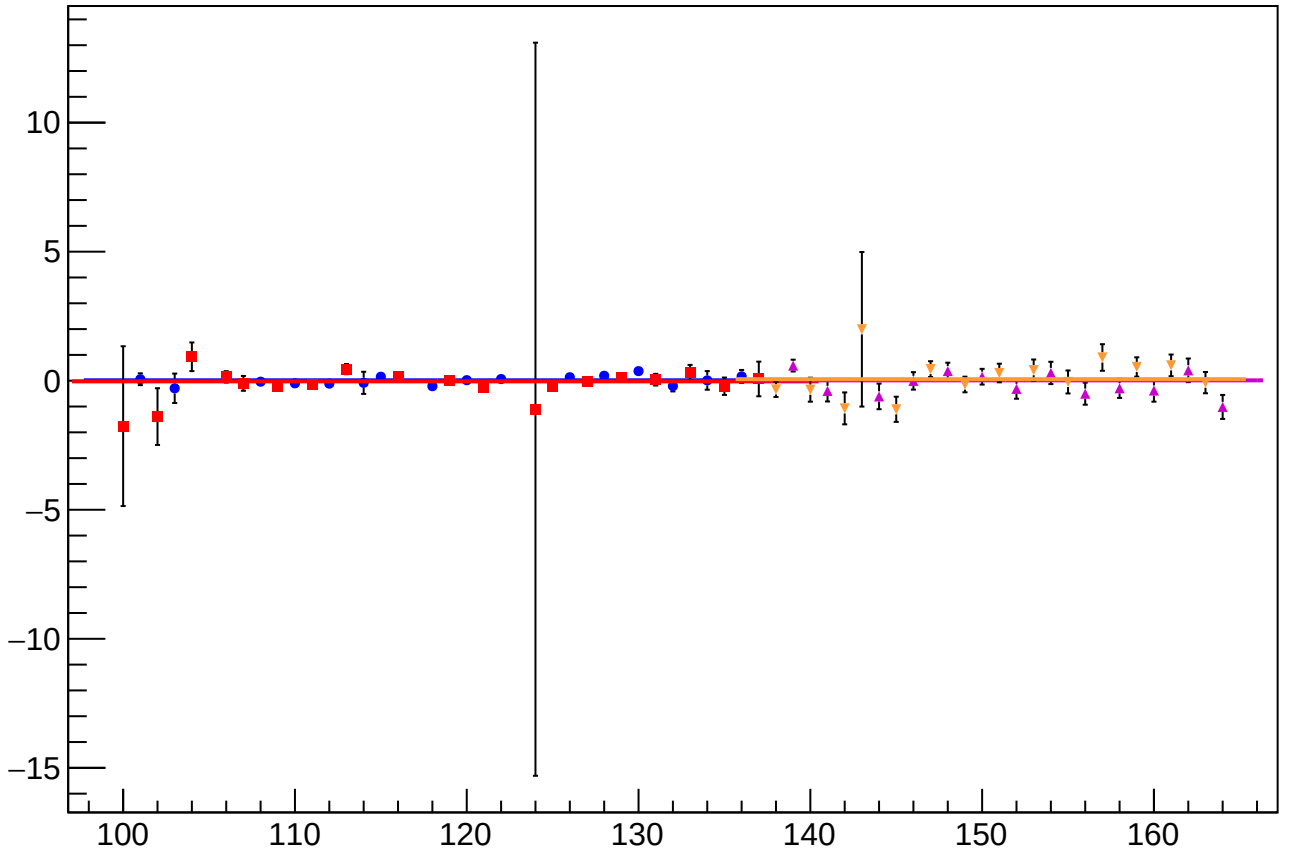
Left: 0.000+/-0.000 χ^2/NDF: 11208878.6/26

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2283139.8/28

Out: 0.000+/-0.000 χ^2/NDF:10023286.4/32

All: 0.000+/-0.000 χ^2/NDF: 18090335.0/61



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.059+/-0.108 χ^2/NDF:21.4/13

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.014+/-0.101 χ^2/NDF:20.0/12

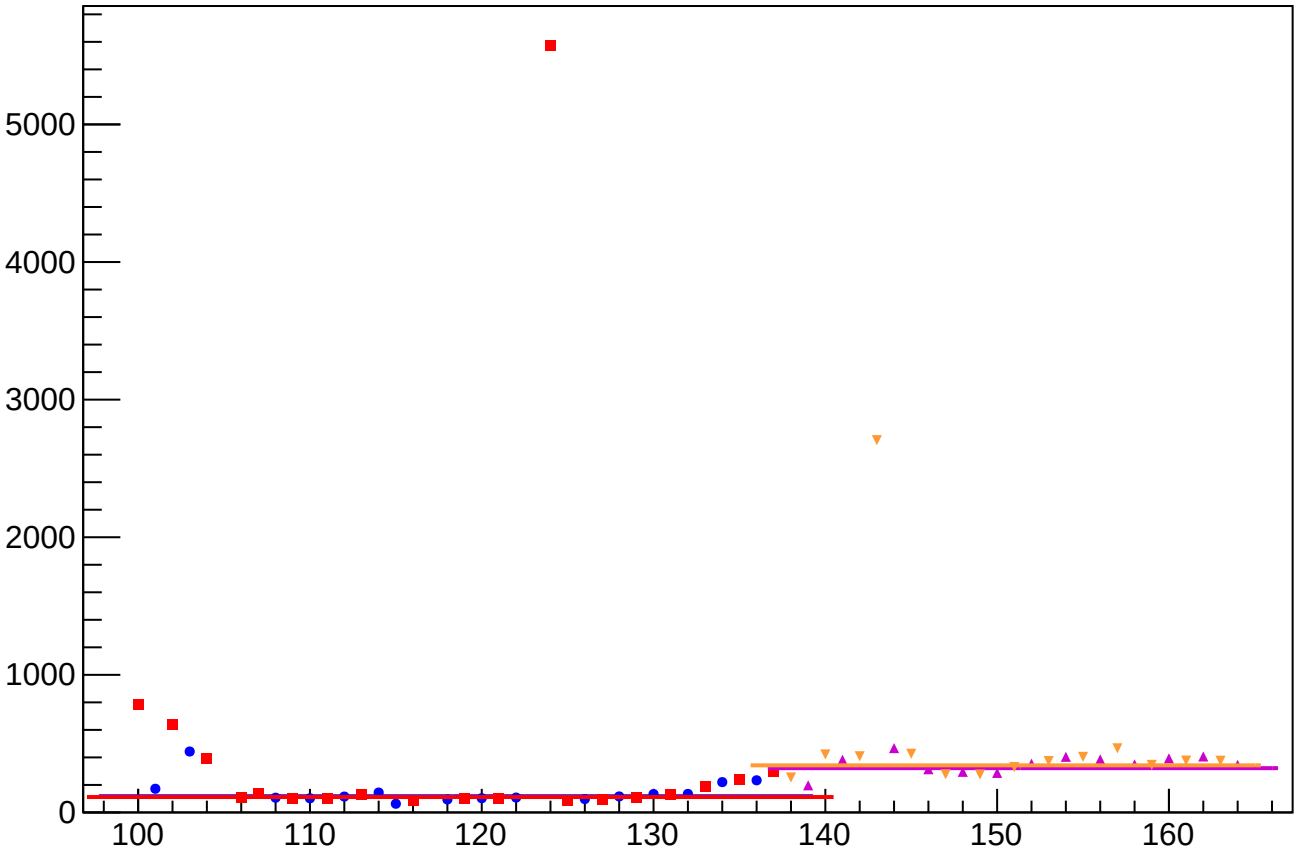
Left: 0.035+/-0.074 χ^2/NDF: 41.5/26

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.015+/-0.043 χ^2/NDF:31.8/28

Out: -0.012+/-0.043 χ^2/NDF:44.0/32

All: 0.001+/-0.030 χ^2/NDF: 76.0/61



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 342.387+/-0.076 χ^2/NDF:1945030.3/13

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 321.923+/-0.072 χ^2/NDF:1122882.6/12

Left: 331.486+/-0.052 χ^2/NDF: 3106163.3/26

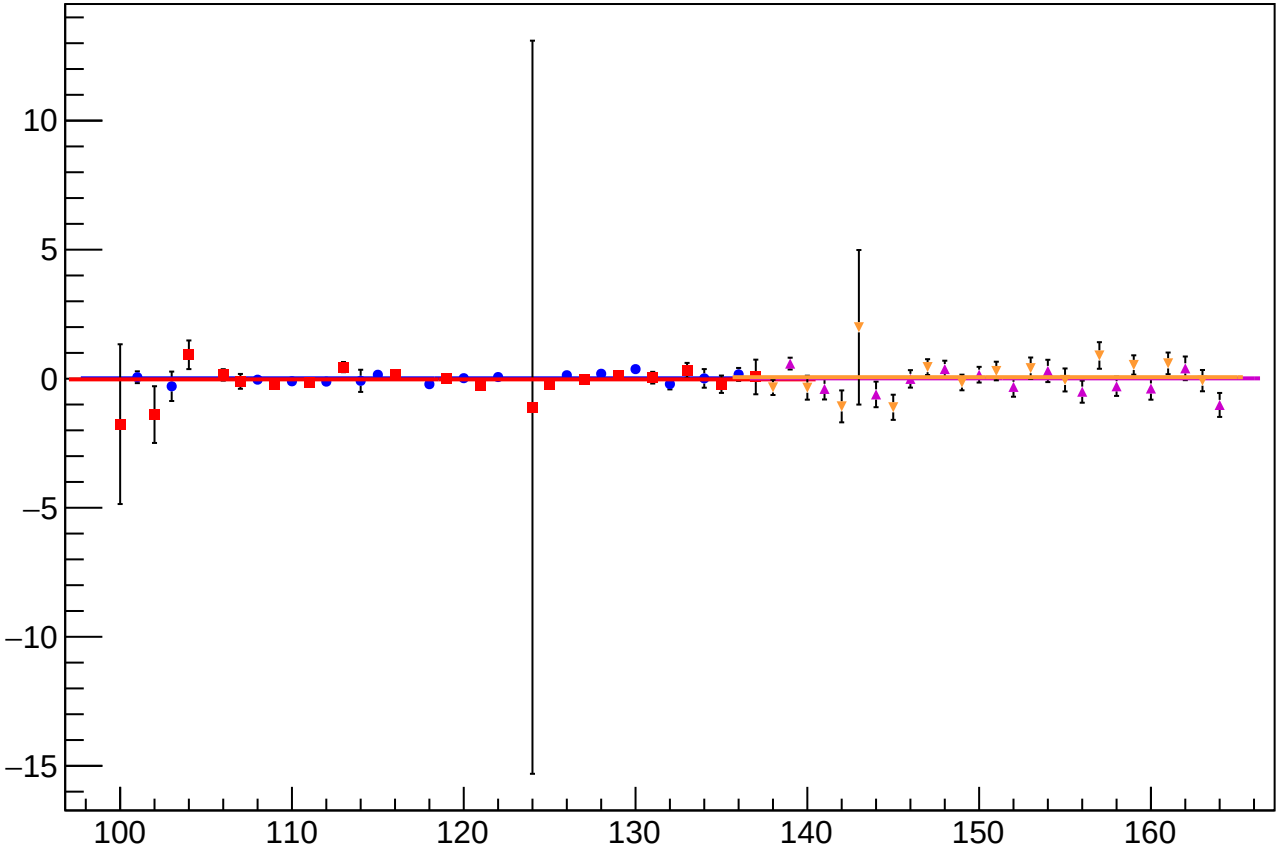
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 155.056+/-0.031 χ^2/NDF:9507791.0/28

Out: 148.582+/-0.030 χ^2/NDF:11783269.5/32

All: 151.795+/-0.022 χ^2/NDF: 21313588.7/61

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: 0.059+/-0.108 χ^2/NDF:21.4/13

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.014+/-0.101 χ^2/NDF:20.0/12

Left: 0.035+/-0.074 χ^2/NDF: 41.5/26

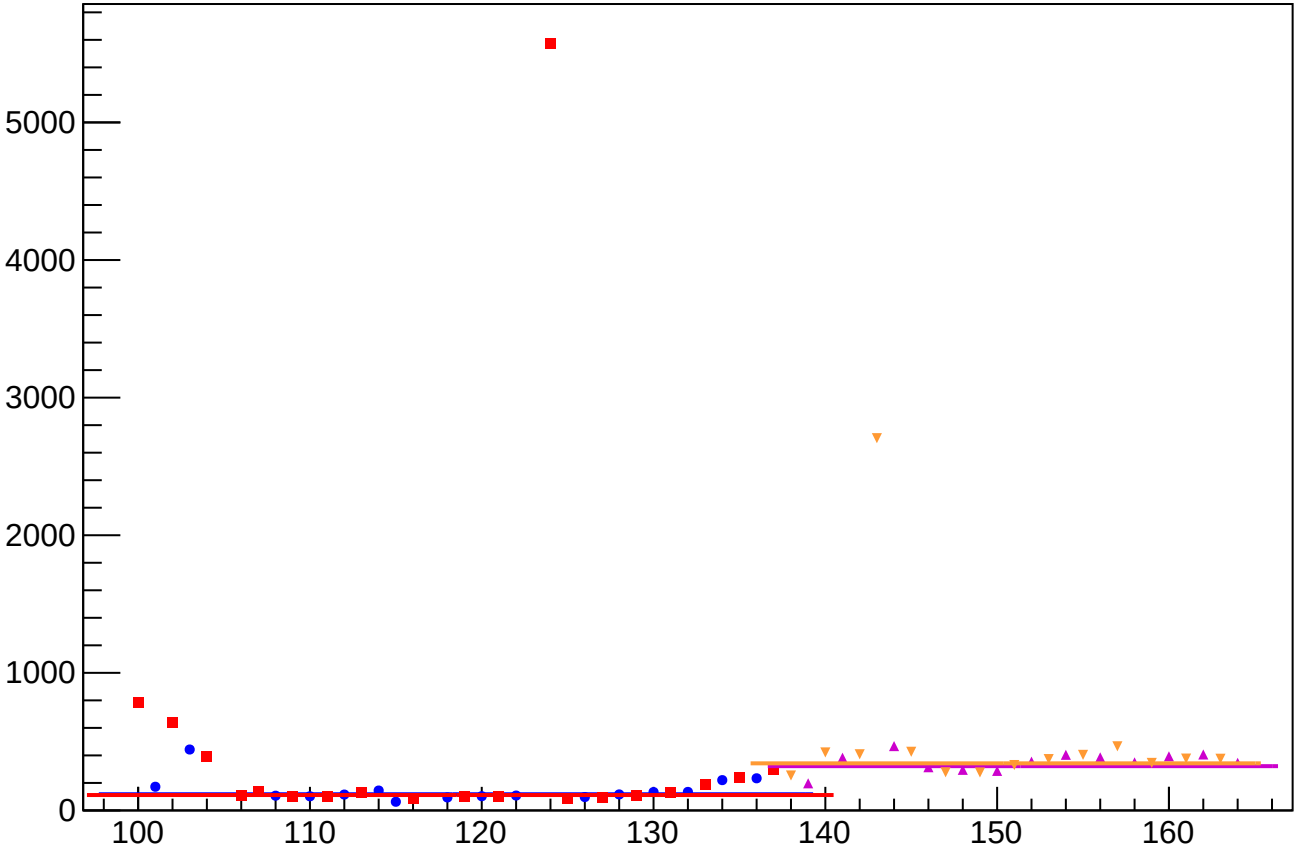
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.015+/-0.043 χ^2/NDF:31.8/28

Out: -0.012+/-0.043 χ^2/NDF:44.0/32

All: 0.001+/-0.030 χ^2/NDF: 76.0/61

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 342.387+/-0.076 χ^2/NDF:1945030.3/13

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 321.923+/-0.072 χ^2/NDF:1122882.6/12

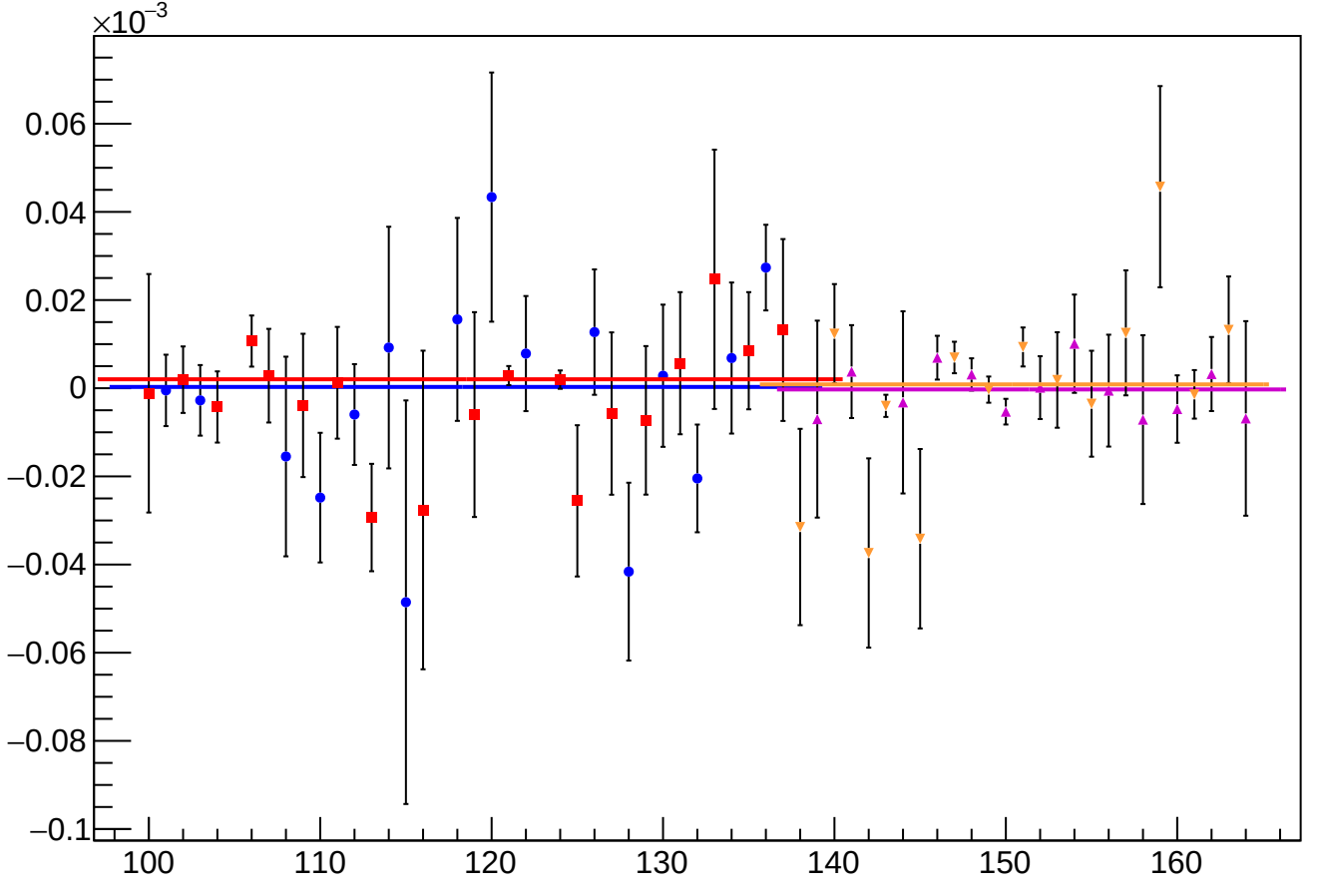
Left: 331.486+/-0.052 χ^2/NDF: 3106163.3/26

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 155.056+/-0.031 χ^2/NDF:9507791.0/28

Out: 148.582+/-0.030 χ^2/NDF:11783269.5/32

All: 151.795+/-0.022 χ^2/NDF: 21313588.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/12

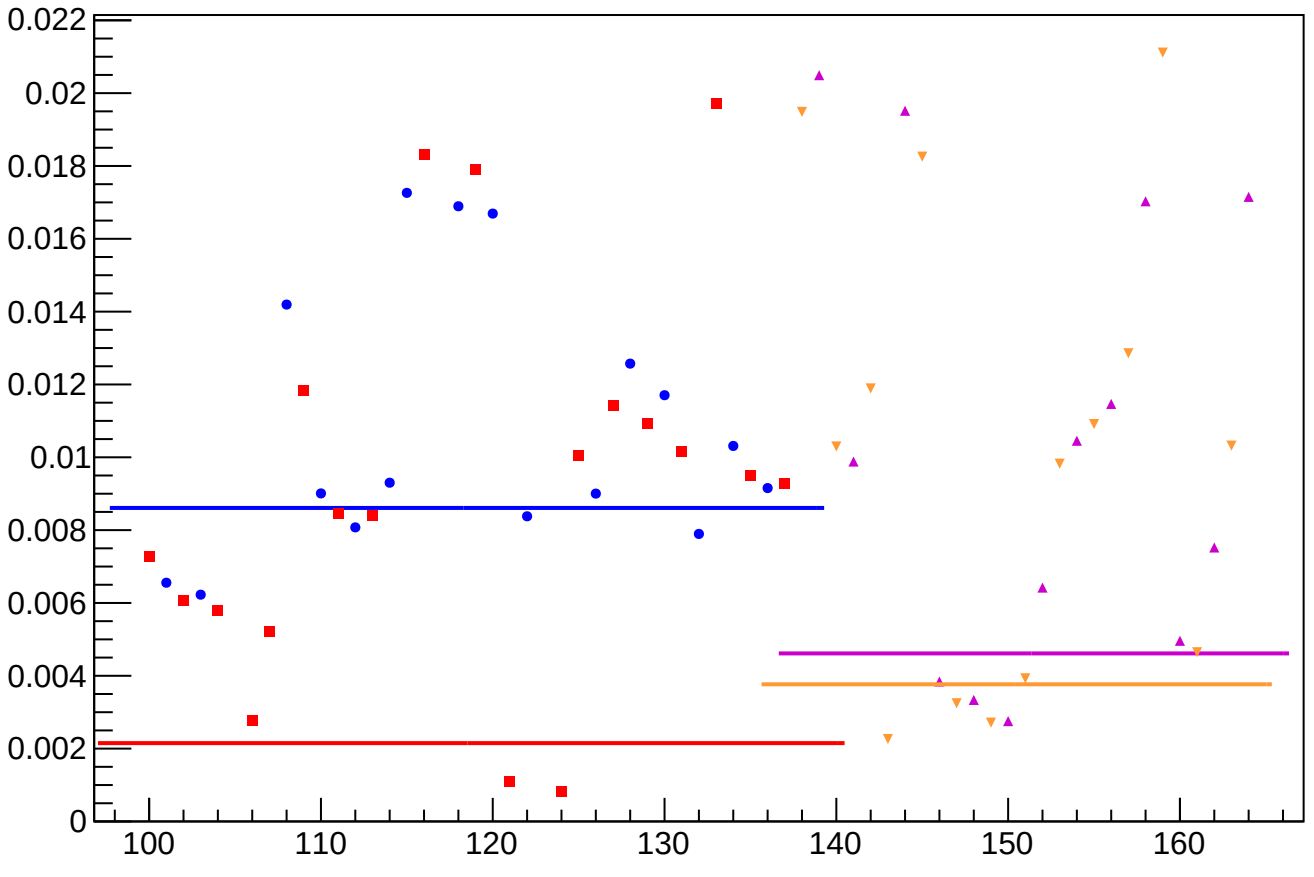
Left: 0.000+/-0.000 χ^2/NDF: 33.7/26

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:31.9/28

Out: 0.000+/-0.000 χ^2/NDF:40.8/32

All: 0.000+/-0.000 χ^2/NDF: 73.6/61



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:7925556.8/13

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:6649721.2/12

Left: 0.004+/-0.000 χ^2/NDF: 14849230.7/26

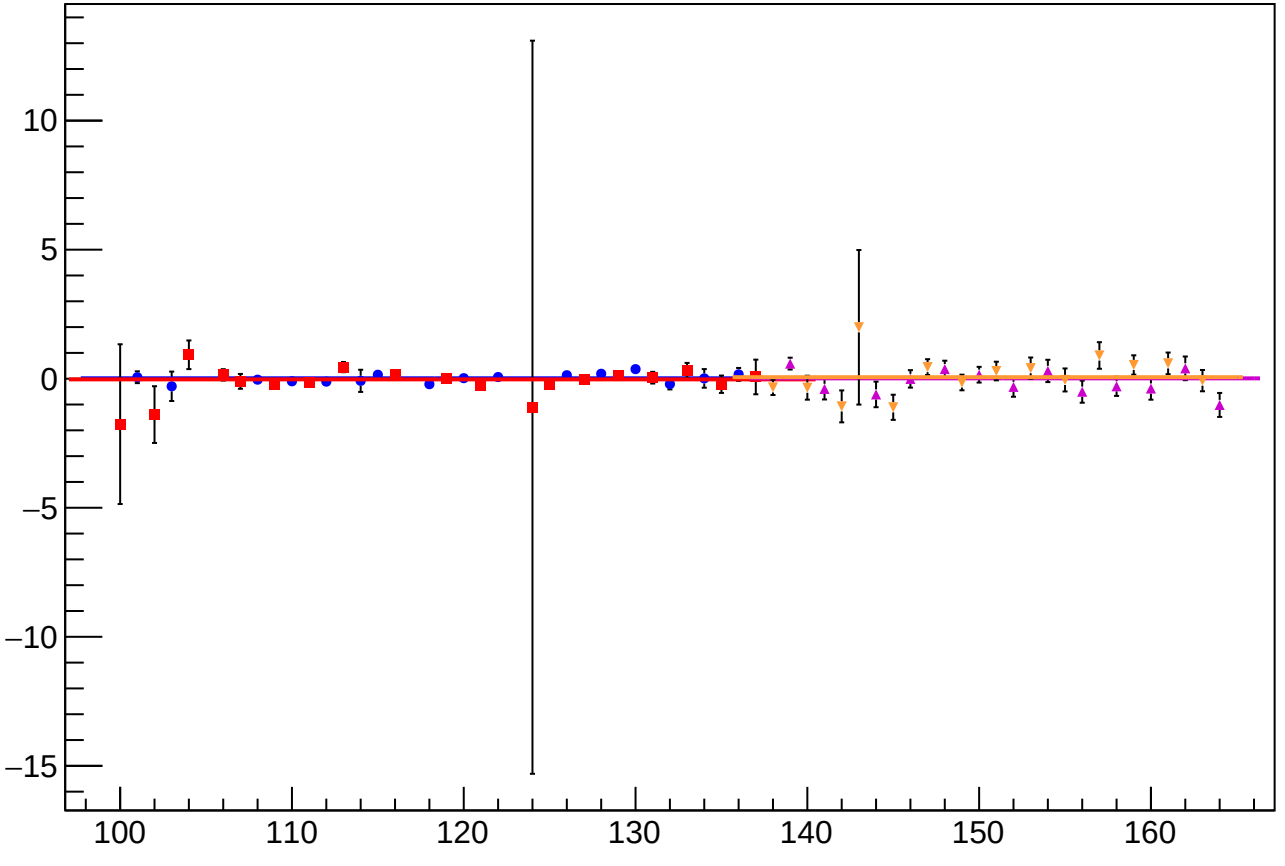
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:9958628.4/28

Out: 0.003+/-0.000 χ^2/NDF:18356049.8/32

All: 0.004+/-0.000 χ^2/NDF: 32209131.1/61

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: 0.059+/-0.108 χ^2/NDF:21.4/13

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.014+/-0.101 χ^2/NDF:20.0/12

Left: 0.035+/-0.074 χ^2/NDF: 41.5/26

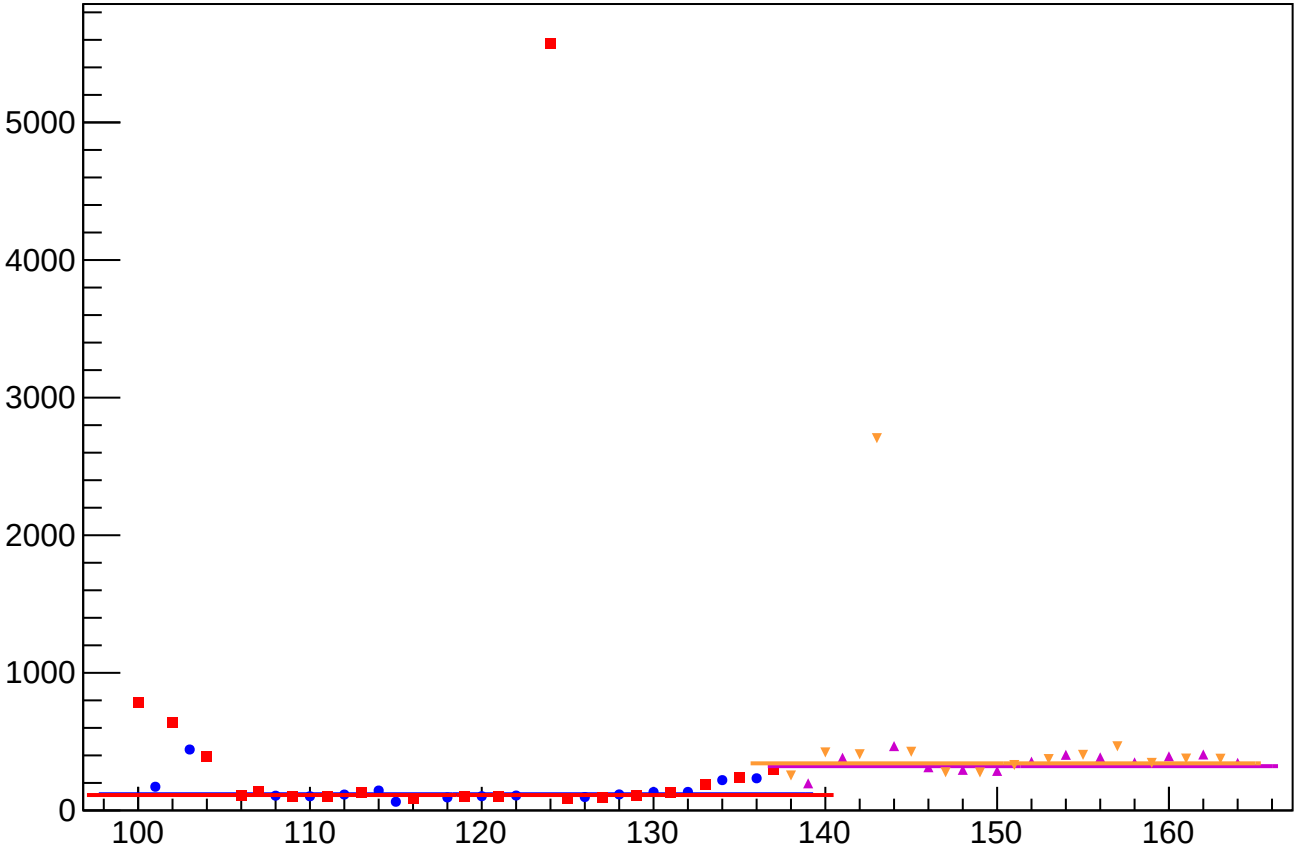
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.015+/-0.043 χ^2/NDF:31.8/28

Out: -0.012+/-0.043 χ^2/NDF:44.0/32

All: 0.001+/-0.030 χ^2/NDF: 76.0/61

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 342.391+/-0.076 χ^2/NDF:1945076.5/13

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 321.928+/-0.072 χ^2/NDF:1122886.7/12

Left: 331.491+/-0.052 χ^2/NDF: 3106209.1/26

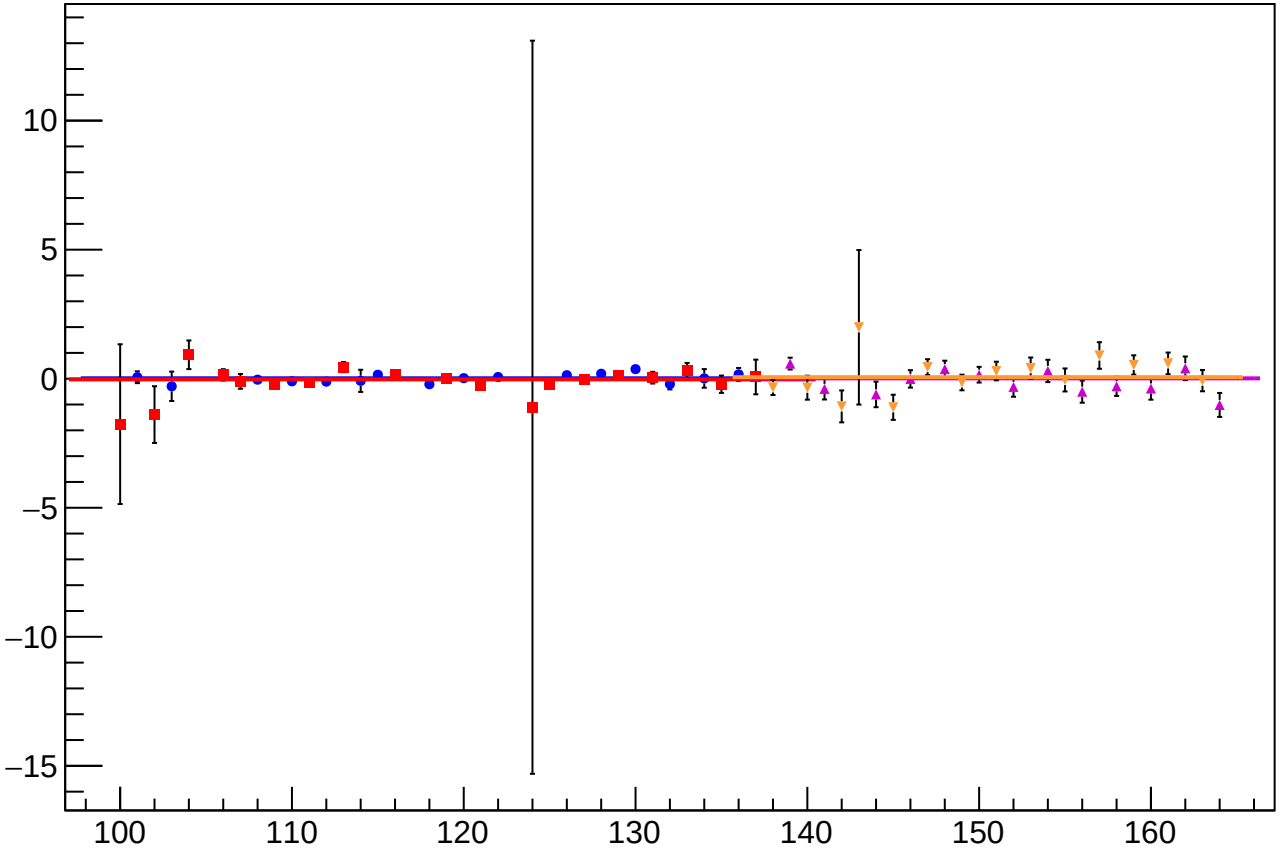
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 155.056+/-0.031 χ^2/NDF:9507905.0/28

Out: 148.584+/-0.030 χ^2/NDF:11783207.0/32

All: 151.796+/-0.022 χ^2/NDF: 21313626.5/61

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: 0.059+/-0.108 χ^2/NDF:21.4/13

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.014+/-0.101 χ^2/NDF:20.0/12

Left: 0.035+/-0.074 χ^2/NDF: 41.5/26

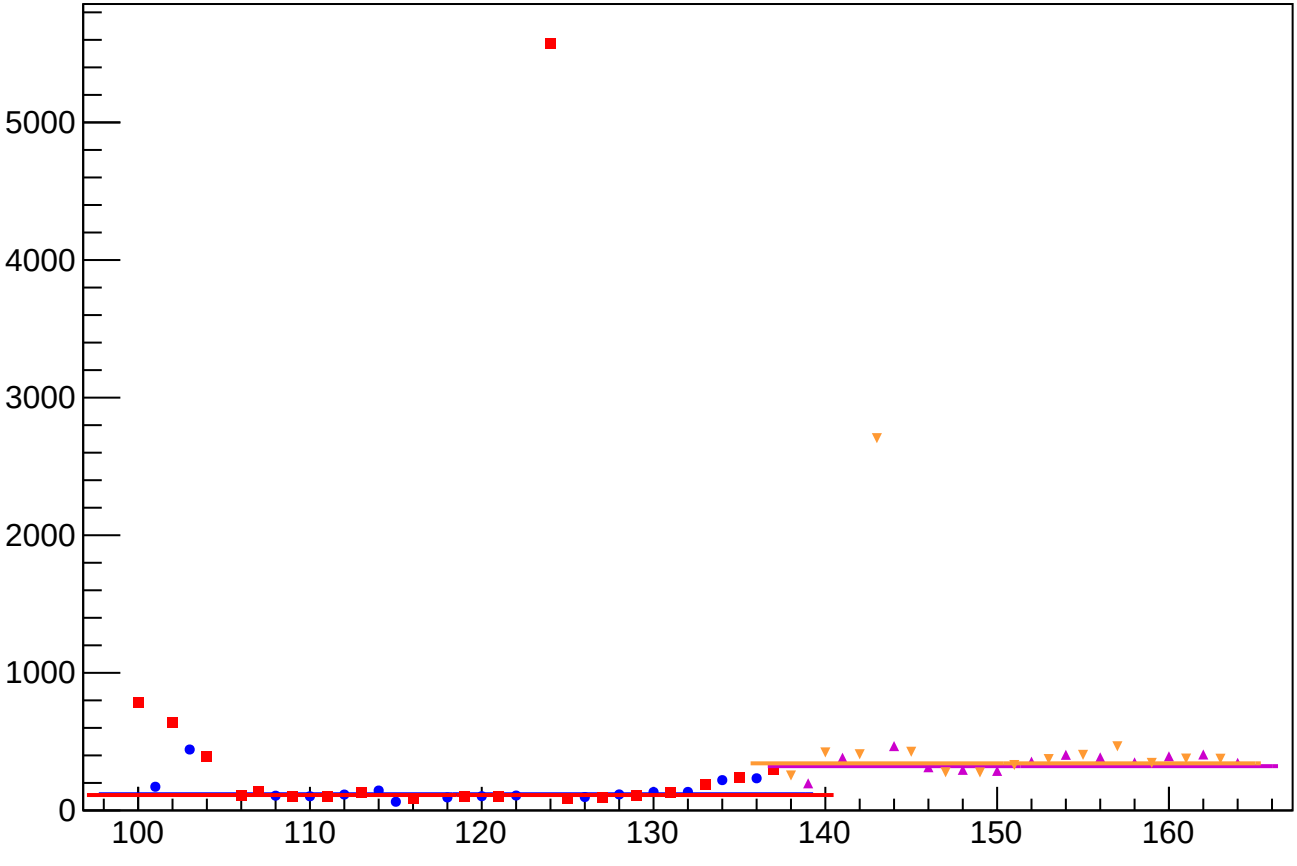
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.015+/-0.043 χ^2/NDF:31.8/28

Out: -0.012+/-0.043 χ^2/NDF:44.0/32

All: 0.001+/-0.030 χ^2/NDF: 76.0/61

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: 342.391+/-0.076 χ^2/NDF:1945076.5/13

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 321.928+/-0.072 χ^2/NDF:1122886.7/12

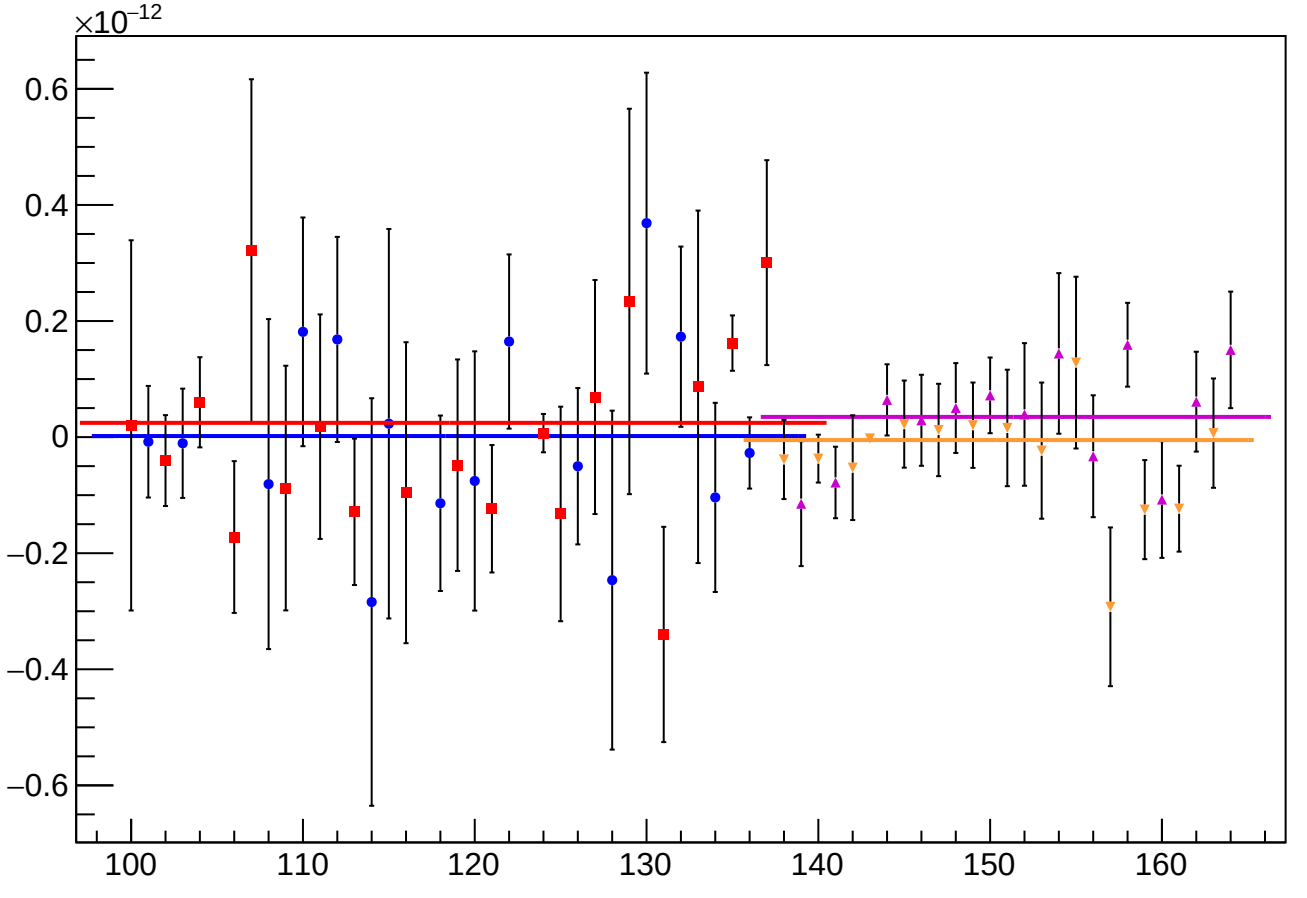
Left: 331.491+/-0.052 χ^2/NDF: 3106209.1/26

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 155.056+/-0.031 χ^2/NDF:9507905.0/28

Out: 148.584+/-0.030 χ^2/NDF:11783207.0/32

All: 151.796+/-0.022 χ^2/NDF: 21313626.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.3/12

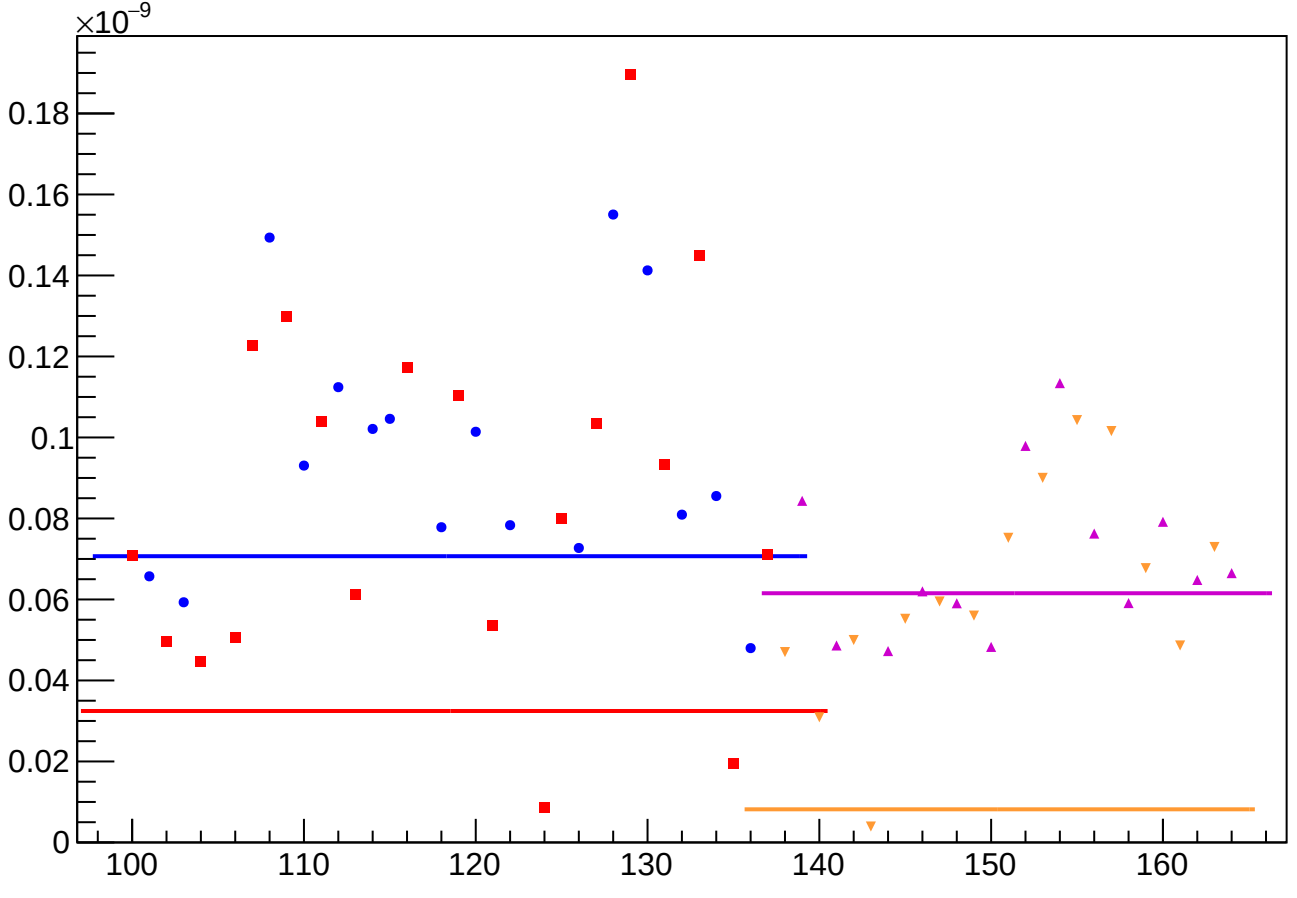
Left: -0.000+/-0.000 χ^2/NDF: 27.6/26

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:23.1/28

Out: -0.000+/-0.000 χ^2/NDF:37.4/32

All: -0.000+/-0.000 χ^2/NDF: 62.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11132759.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:938542.9/12

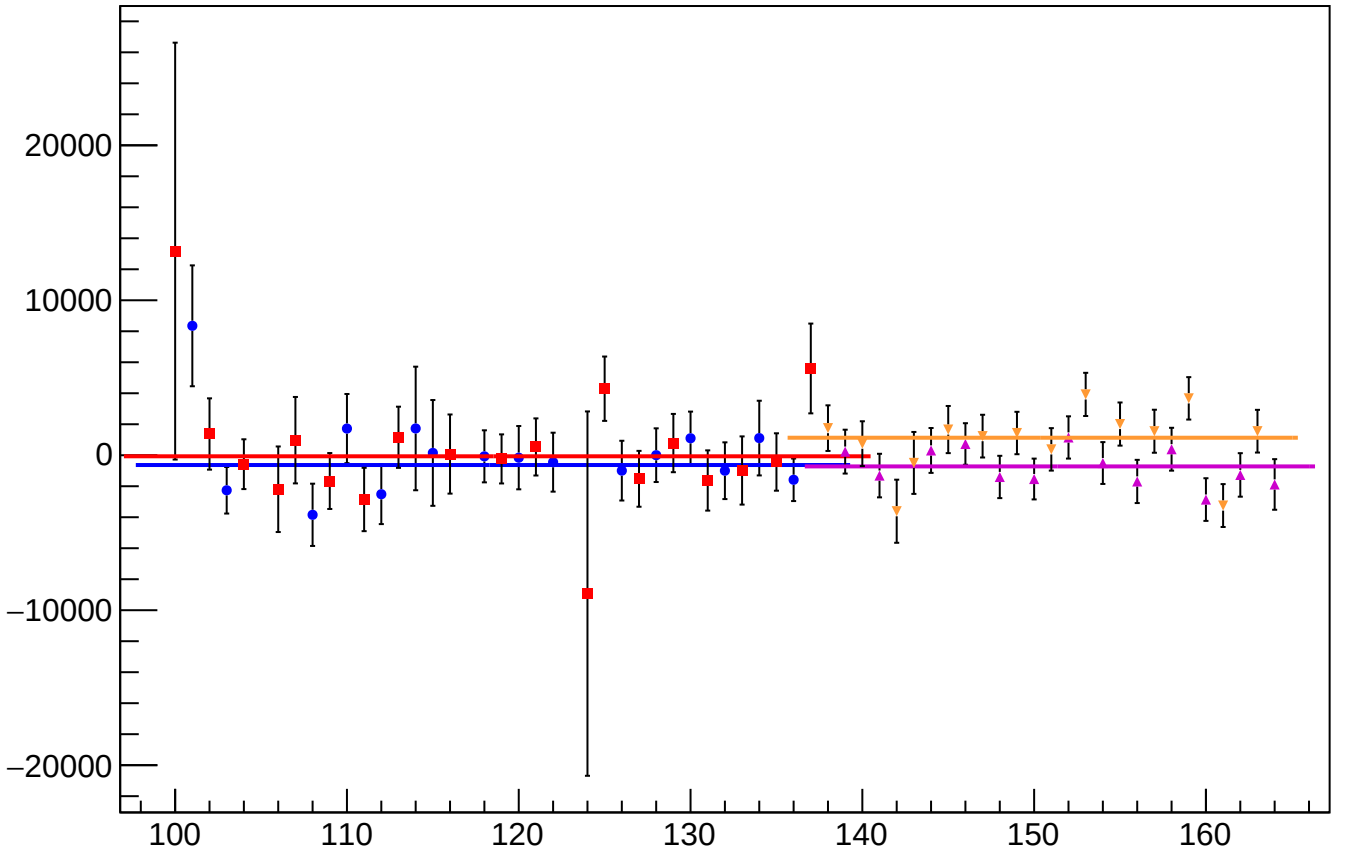
Left: 0.000+/-0.000 χ^2/NDF: 22196610.2/26

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2060150.4/28

Out: 0.000+/-0.000 χ^2/NDF:17903637.2/32

All: 0.000+/-0.000 χ^2/NDF: 34688519.0/61



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.306+/-389.562 χ^2/NDF:24.9/13

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -720.669+/-386.715 χ^2/NDF:9.0/12

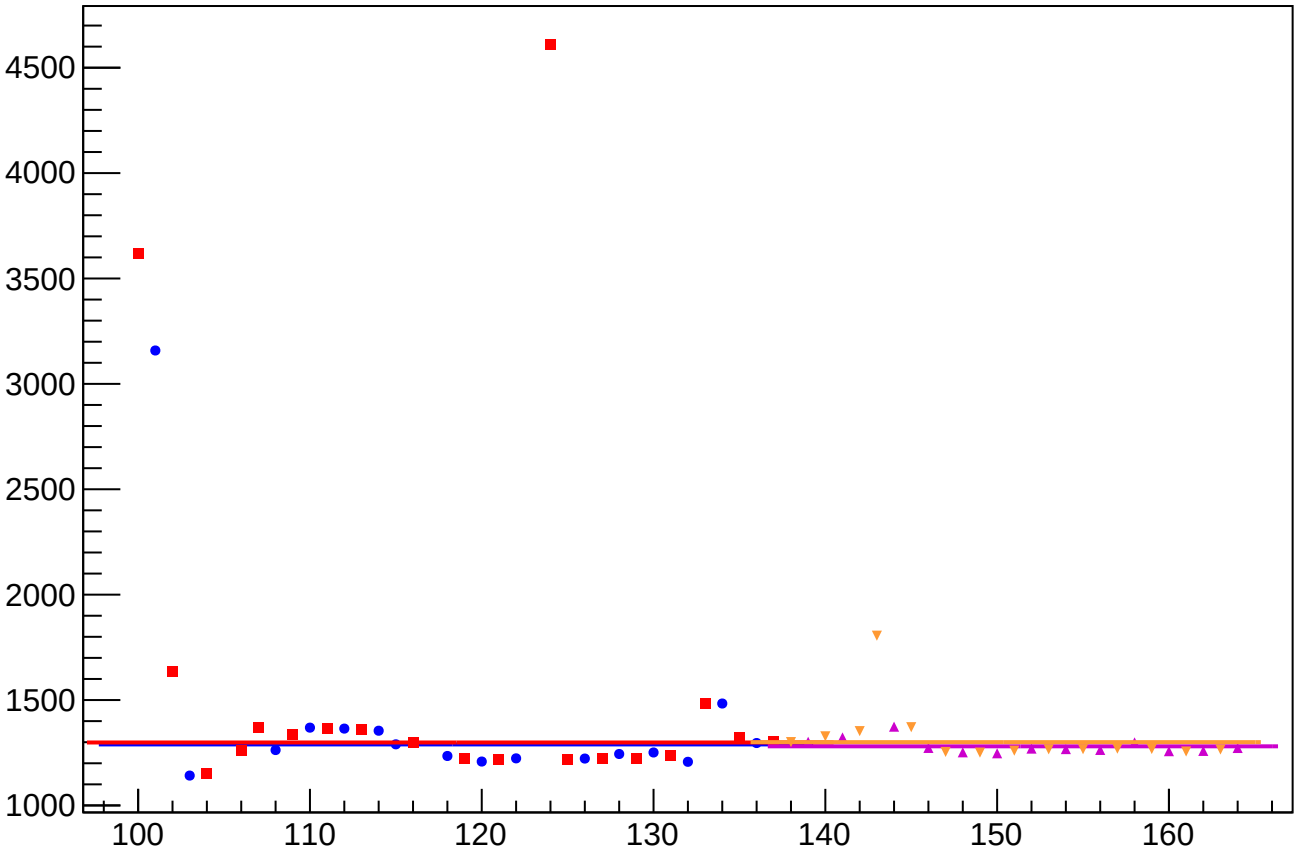
Left: 198.030+/-274.450 χ^2/NDF: 45.3/26

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -686.154+/-303.246 χ^2/NDF:23.0/28

Out: 663.758+/-304.394 χ^2/NDF:44.4/32

All: -13.748+/-214.832 χ^2/NDF: 77.3/61



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

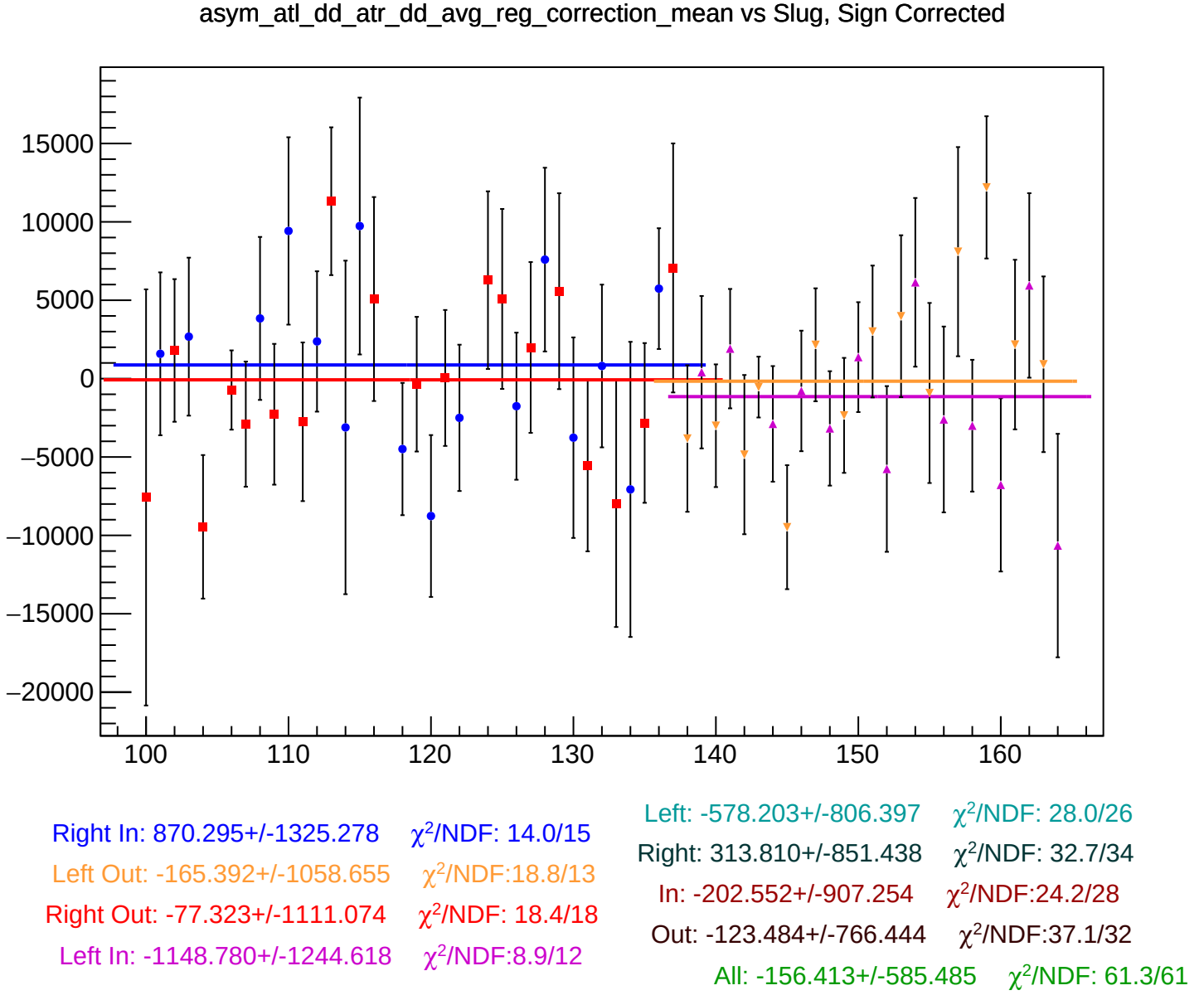
Left: 1290.315+/-0.194 χ^2/NDF: 166074.6/26

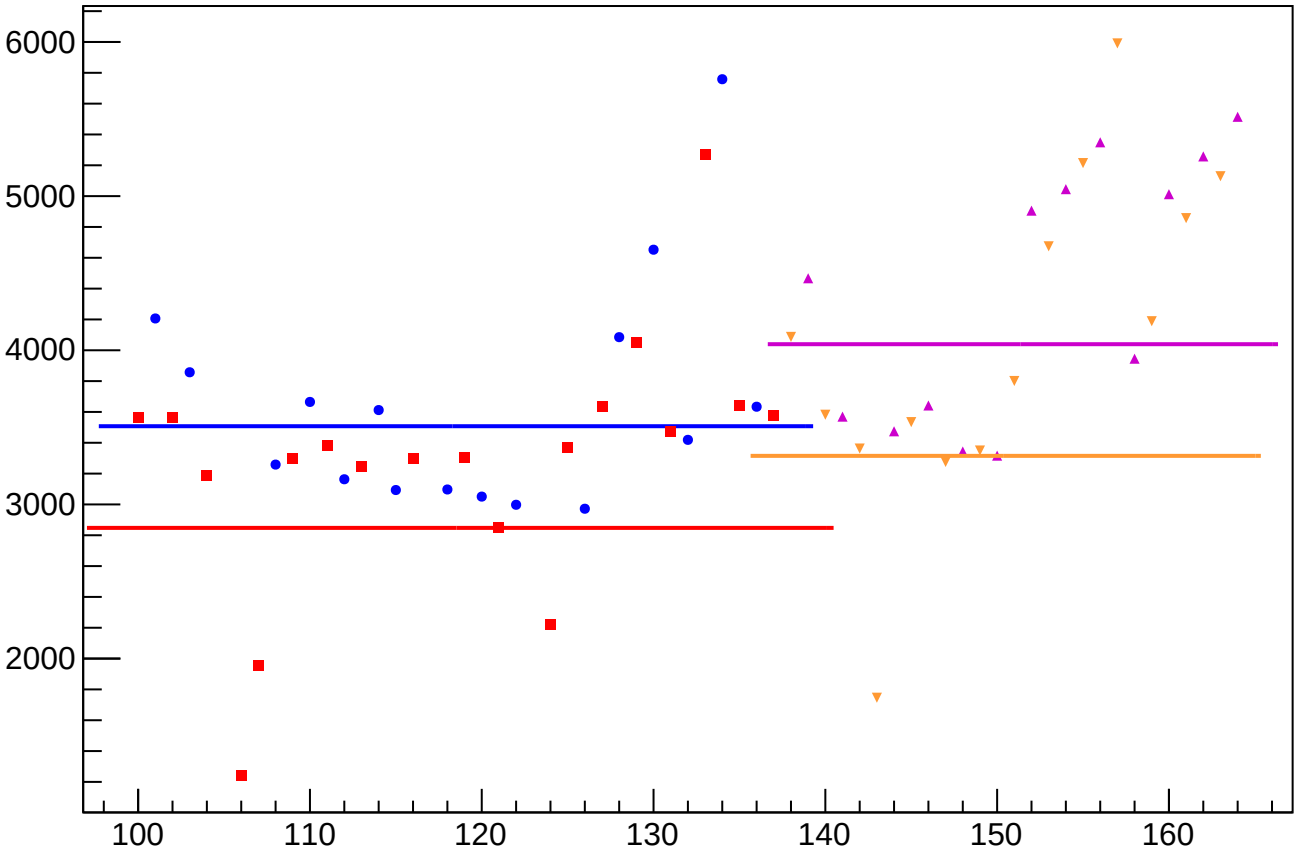
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1283.931+/-0.214 χ^2/NDF:529906.3/28

Out: 1299.664+/-0.215 χ^2/NDF:468035.3/32

All: 1291.776+/-0.152 χ^2/NDF: 1000625.9/61


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
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -165.392+/-1058.655 χ²/NDF:18.8/13
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1148.780+/-1244.618 χ²/NDF:8.9/12
Left: -578.203+/-806.397 χ²/NDF: 28.0/26
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -202.552+/-907.254 χ²/NDF:24.2/28
Out: -123.484+/-766.444 χ²/NDF:37.1/32
All: -156.413+/-585.485 χ²/NDF: 61.3/61



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3315.074+/-0.749 χ^2/NDF:2531086.6/13

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4039.434+/-0.880 χ^2/NDF:727696.0/12

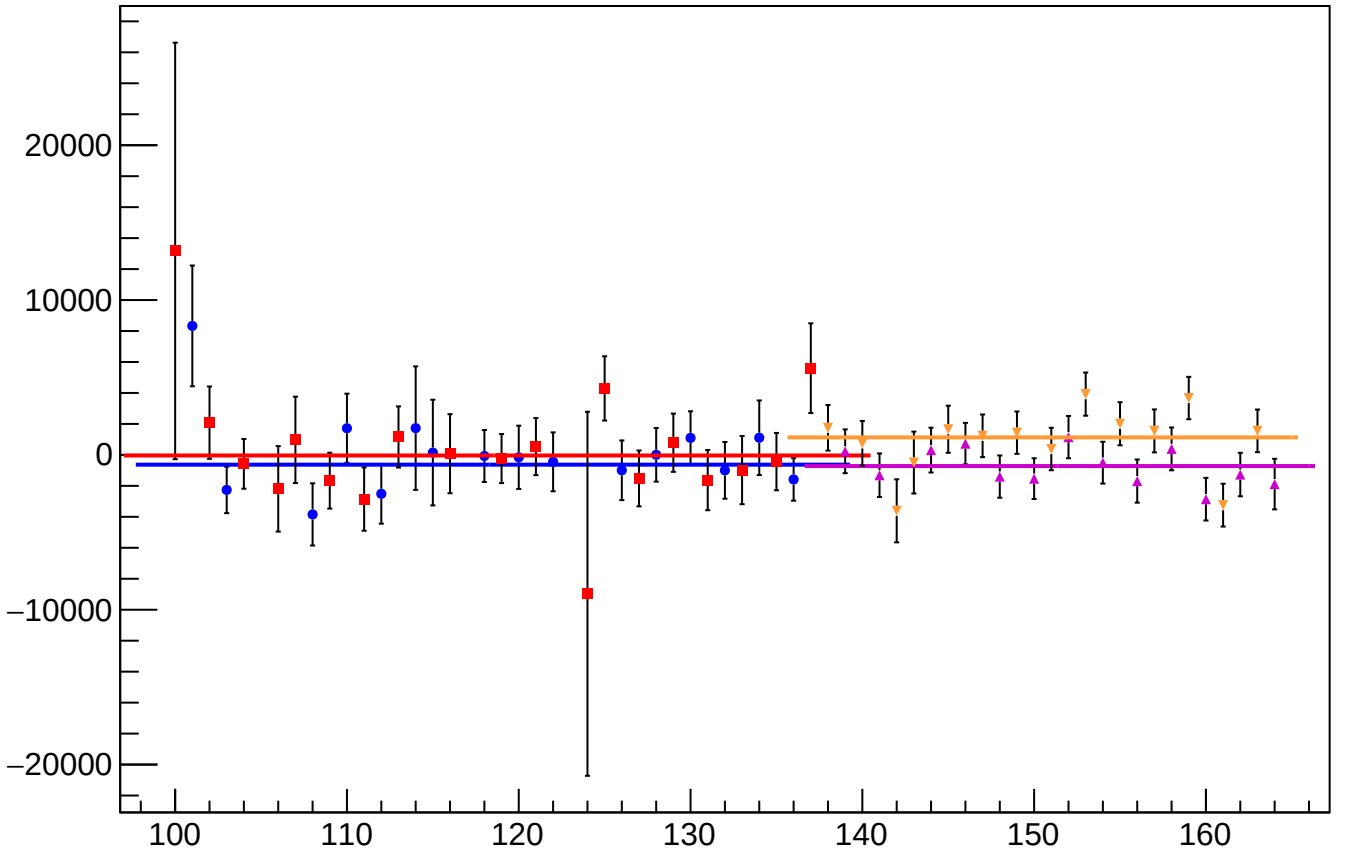
Left: 3619.149+/-0.570 χ^2/NDF: 3651840.6/26

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3790.098+/-0.642 χ^2/NDF:1252946.6/28

Out: 3092.735+/-0.542 χ^2/NDF:4215846.5/32

All: 3383.159+/-0.414 χ^2/NDF: 6158335.0/61



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -720.663+/-386.715 χ^2/NDF:9.0/12

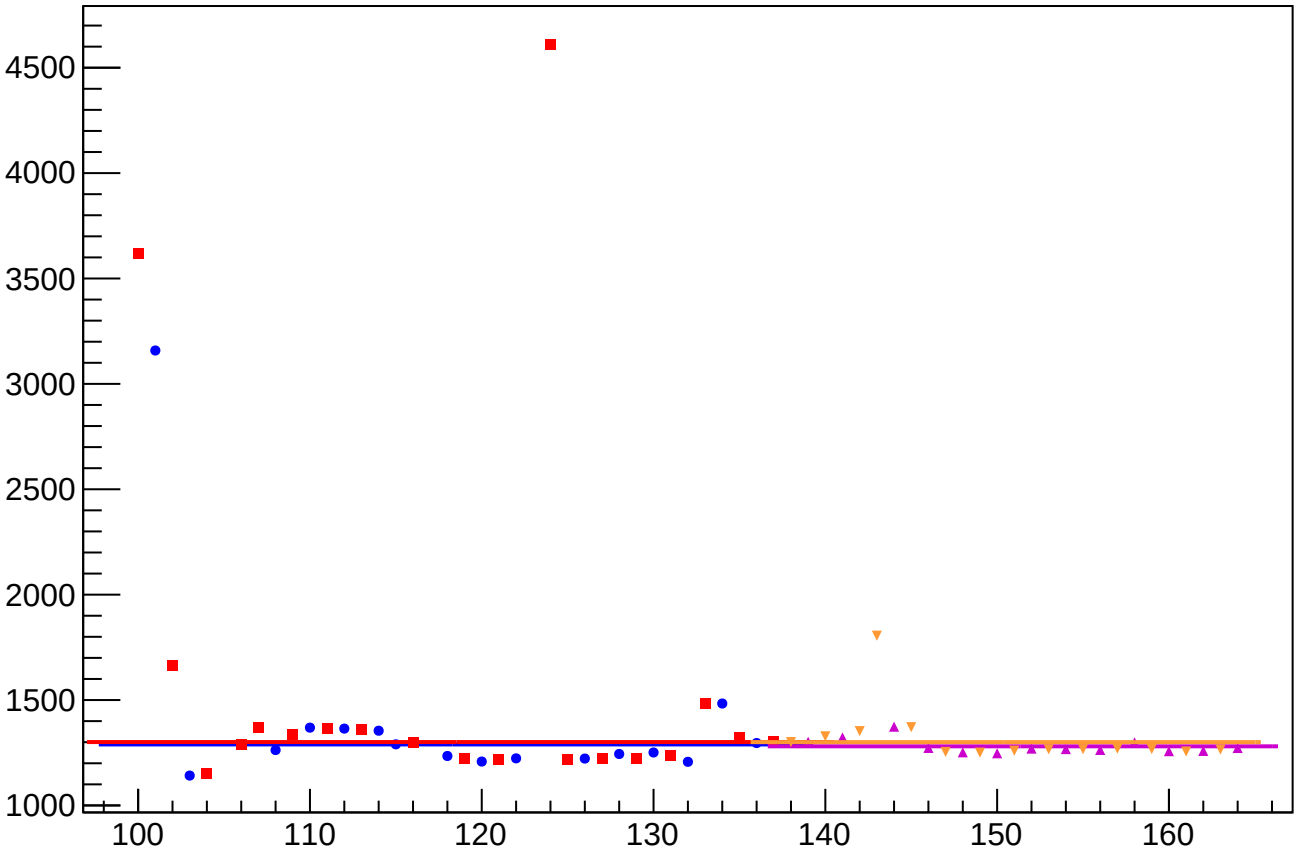
Left: 198.048+/-274.450 χ^2/NDF: 45.3/26

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -686.298+/-303.246 χ^2/NDF:22.9/28

Out: 675.447+/-304.472 χ^2/NDF:44.7/32

All: -8.174+/-214.859 χ^2/NDF: 77.7/61



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

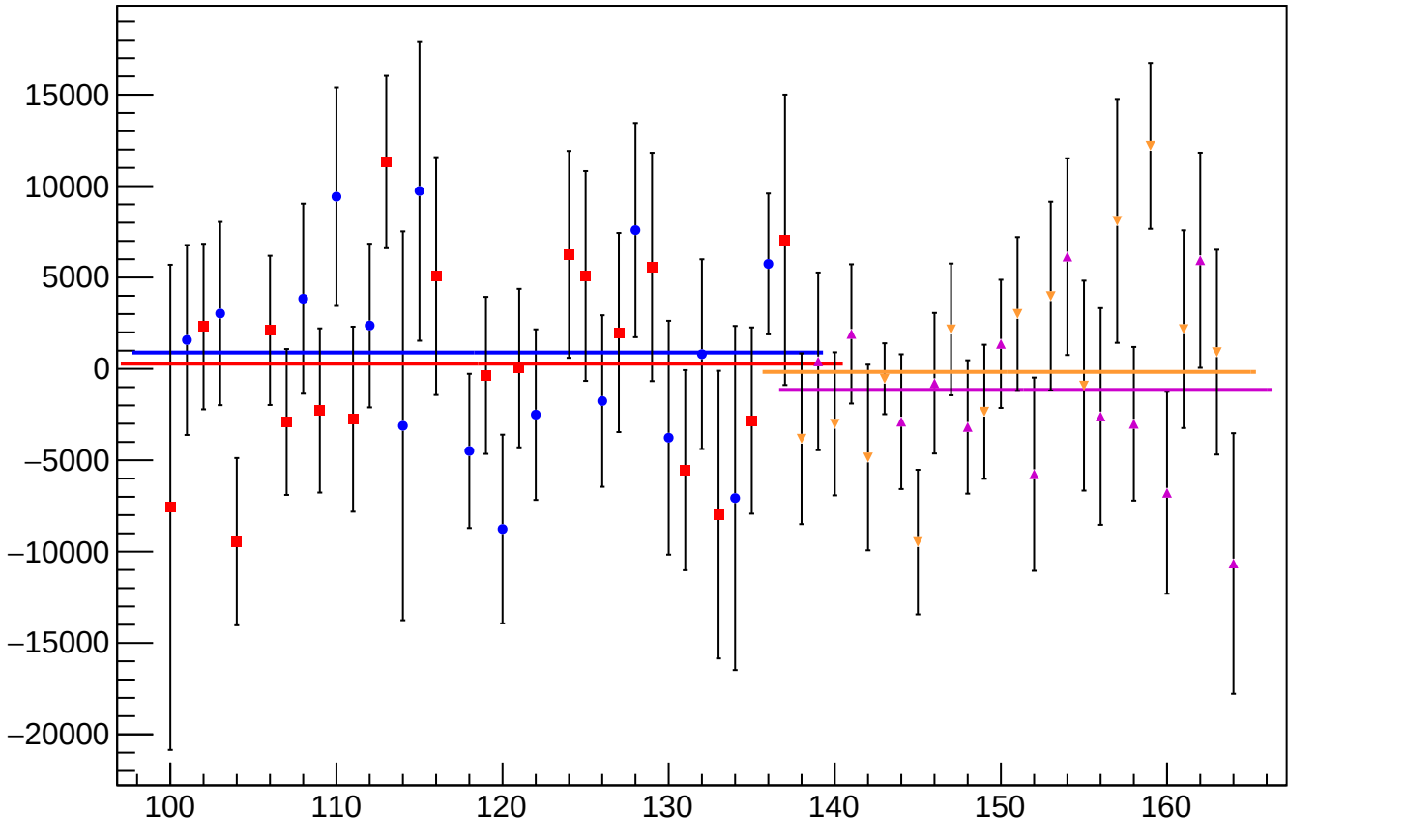
Left: 1290.315+/-0.194 χ^2/NDF: 166074.6/26

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.931+/-0.214 χ^2/NDF:529907.7/28

Out: 1300.456+/-0.215 χ^2/NDF:474554.7/32

All: 1292.166+/-0.152 χ^2/NDF: 1007422.3/61



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -165.293+/-1058.652 χ^2/NDF:18.8/13

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1148.822+/-1244.617 χ^2/NDF:8.9/12

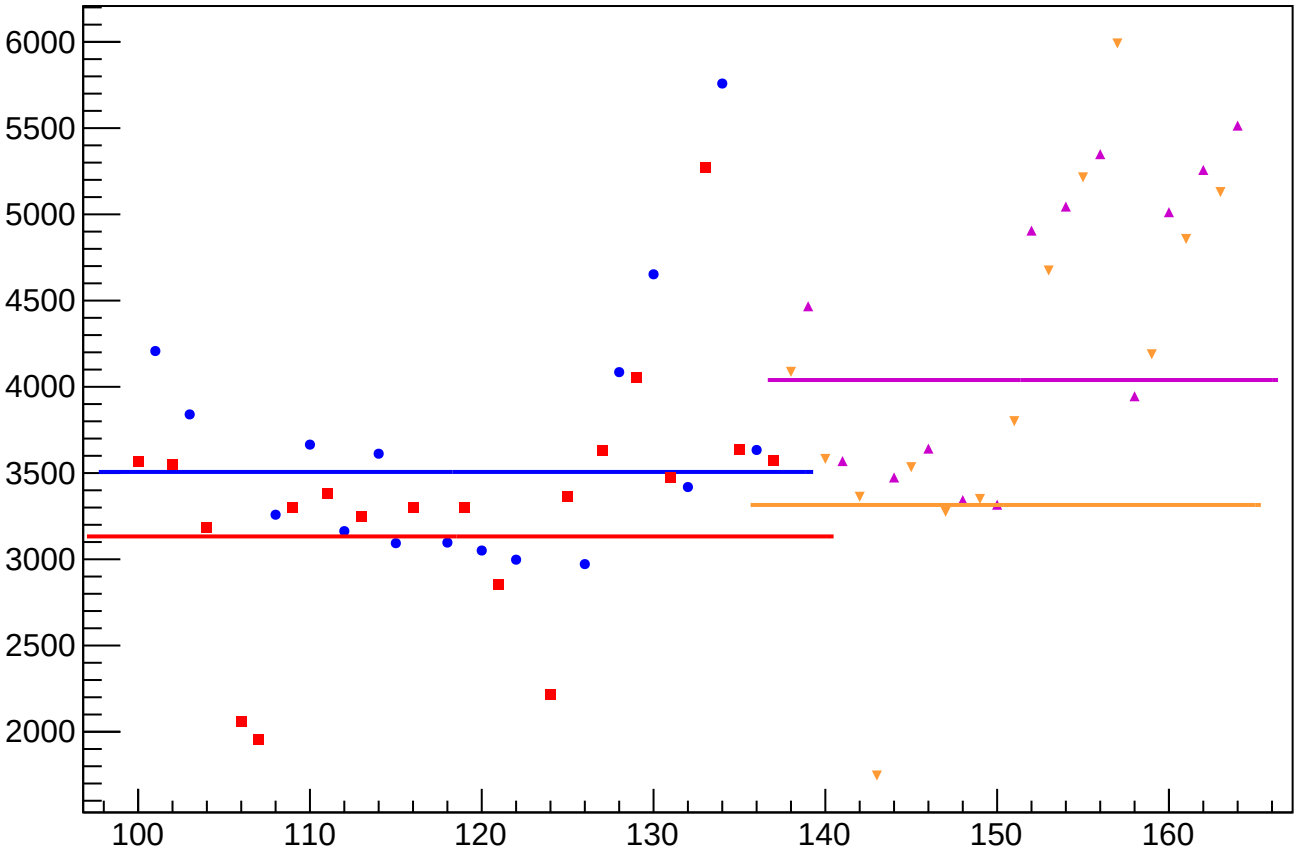
Left: -578.162+/-806.396 χ^2/NDF: 28.0/26

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -190.171+/-907.107 χ^2/NDF:24.3/28

Out: 34.458+/-788.943 χ^2/NDF:37.5/32

All: -62.282+/-595.291 χ^2/NDF: 61.8/61


asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
6000
5500
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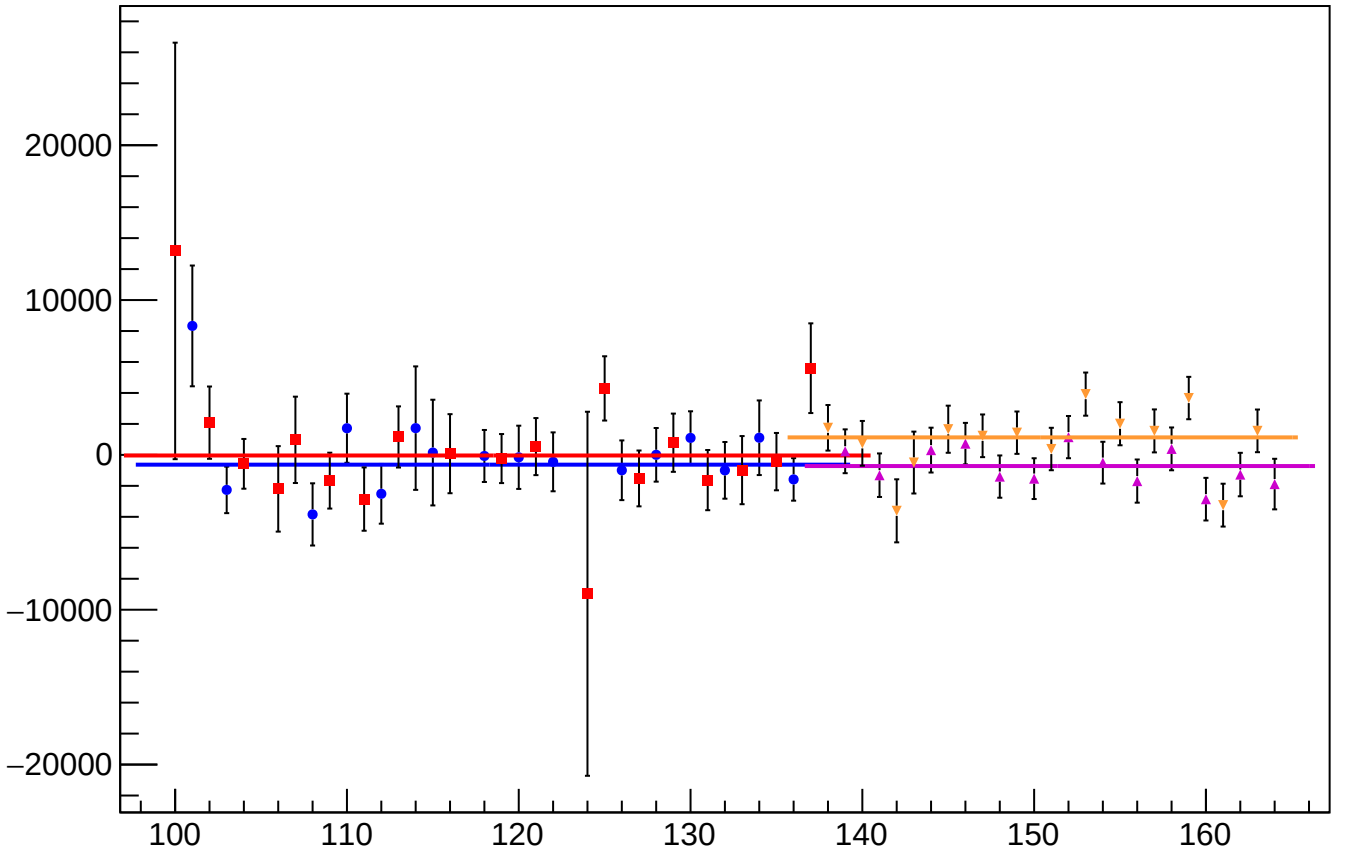
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3315.063+/-0.749 χ²/NDF:2531108.0/13
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4039.430+/-0.880 χ²/NDF:727697.3/12
Left: 3619.140+/-0.570 χ²/NDF: 3651871.8/26
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3789.577+/-0.641 χ²/NDF:1252855.1/28
Out: 3233.929+/-0.558 χ²/NDF:3207139.2/32
All: 3473.228+/-0.421 χ²/NDF: 4887241.3/61



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -720.663+/-386.715 χ^2/NDF:9.0/12

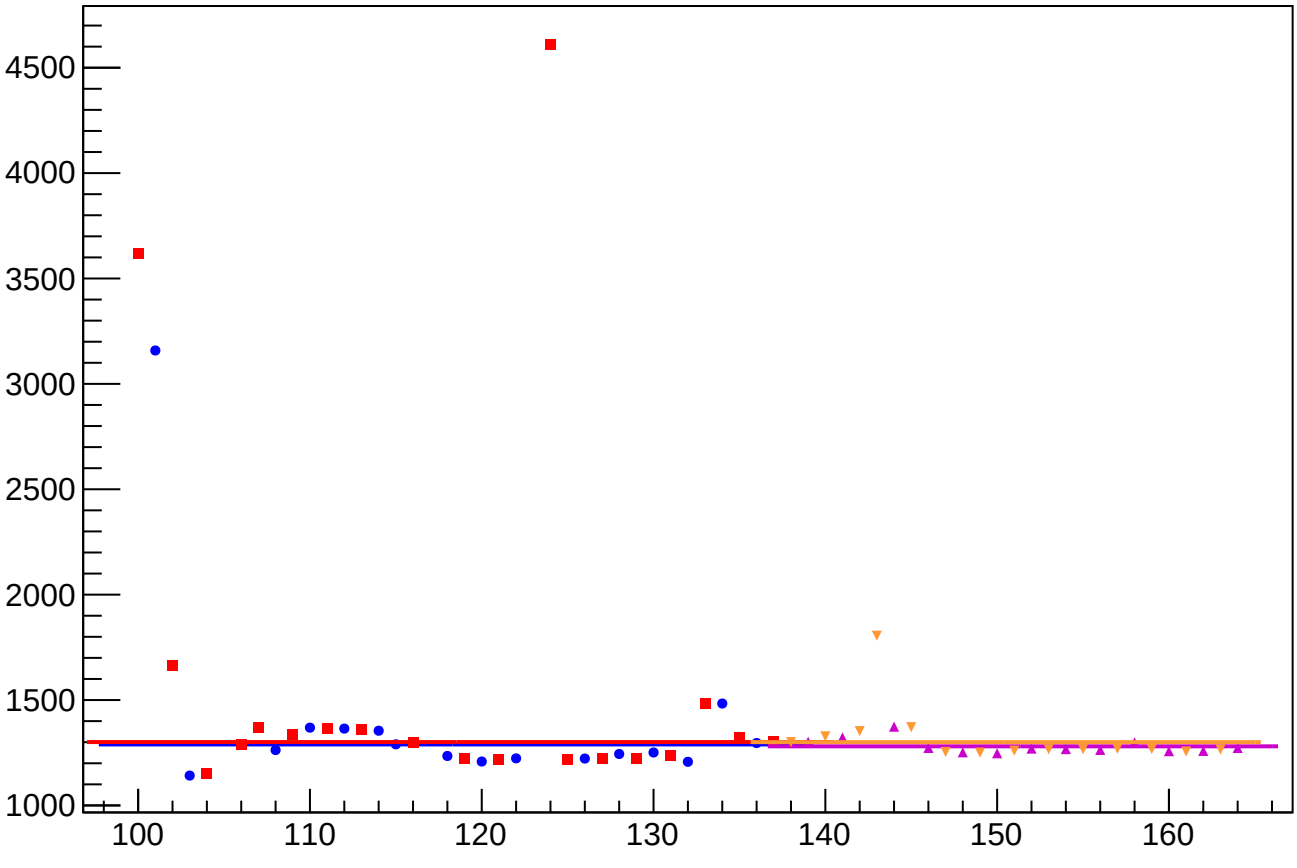
Left: 198.048+/-274.450 χ^2/NDF: 45.3/26

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -686.298+/-303.246 χ^2/NDF:22.9/28

Out: 675.447+/-304.472 χ^2/NDF:44.7/32

All: -8.174+/-214.859 χ^2/NDF: 77.7/61



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

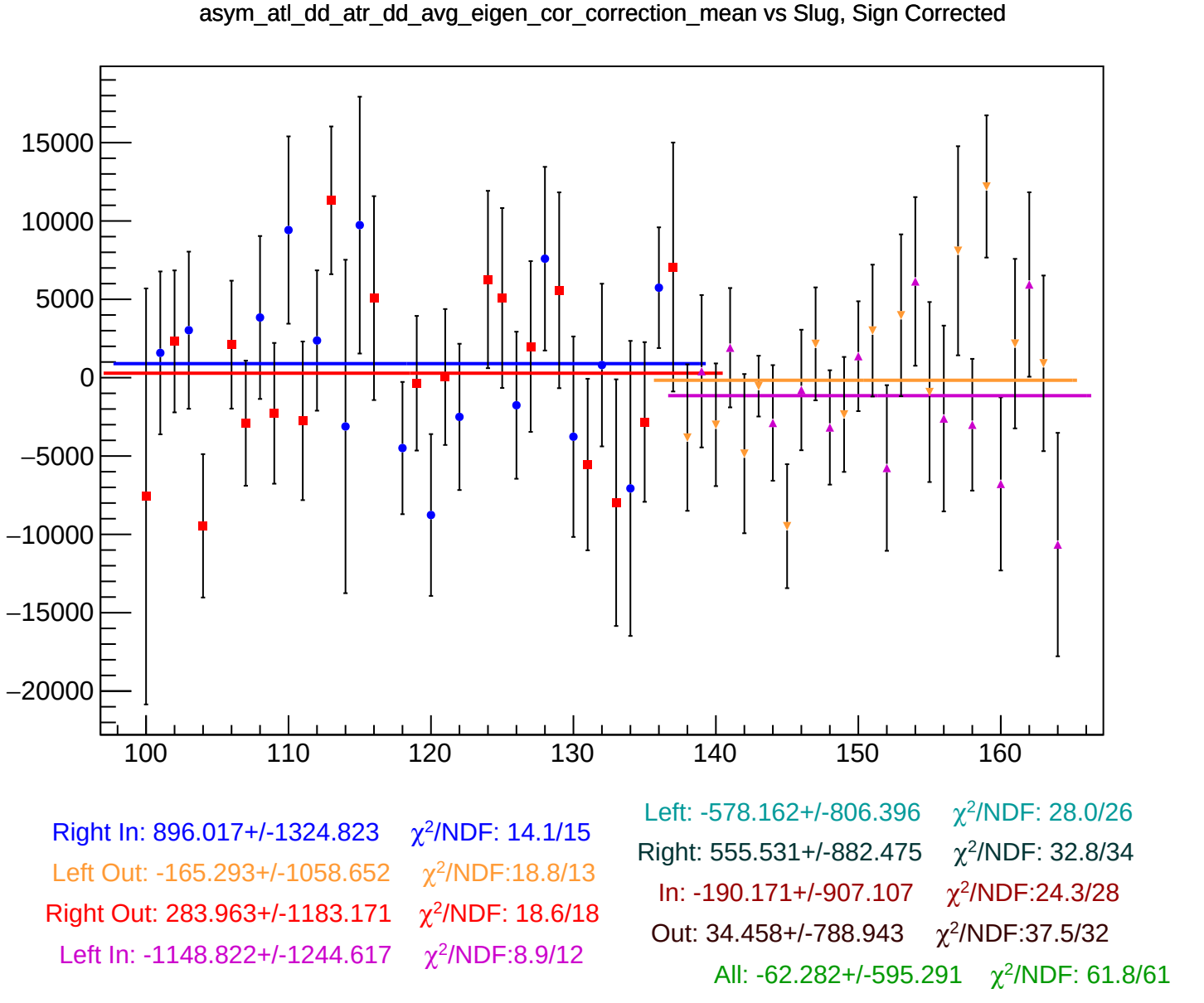
Left: 1290.315+/-0.194 χ^2/NDF: 166074.6/26

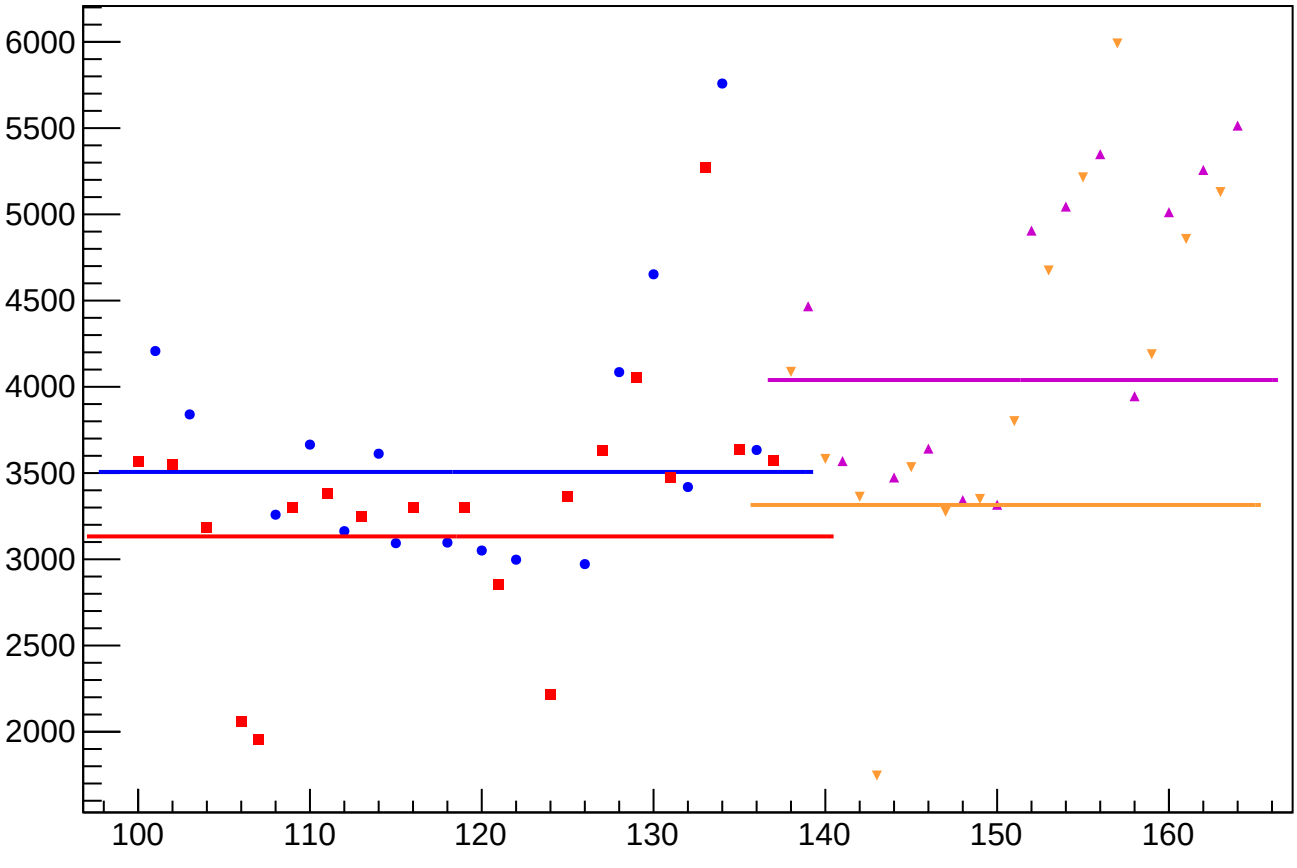
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.931+/-0.214 χ^2/NDF:529907.7/28

Out: 1300.456+/-0.215 χ^2/NDF:474554.7/32

All: 1292.166+/-0.152 χ^2/NDF: 1007422.3/61


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -165.293+/-1058.652 χ²/NDF:18.8/13
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1148.822+/-1244.617 χ²/NDF:8.9/12
Left: -578.162+/-806.396 χ²/NDF: 28.0/26
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -190.171+/-907.107 χ²/NDF:24.3/28
Out: 34.458+/-788.943 χ²/NDF:37.5/32
All: -62.282+/-595.291 χ²/NDF: 61.8/61



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

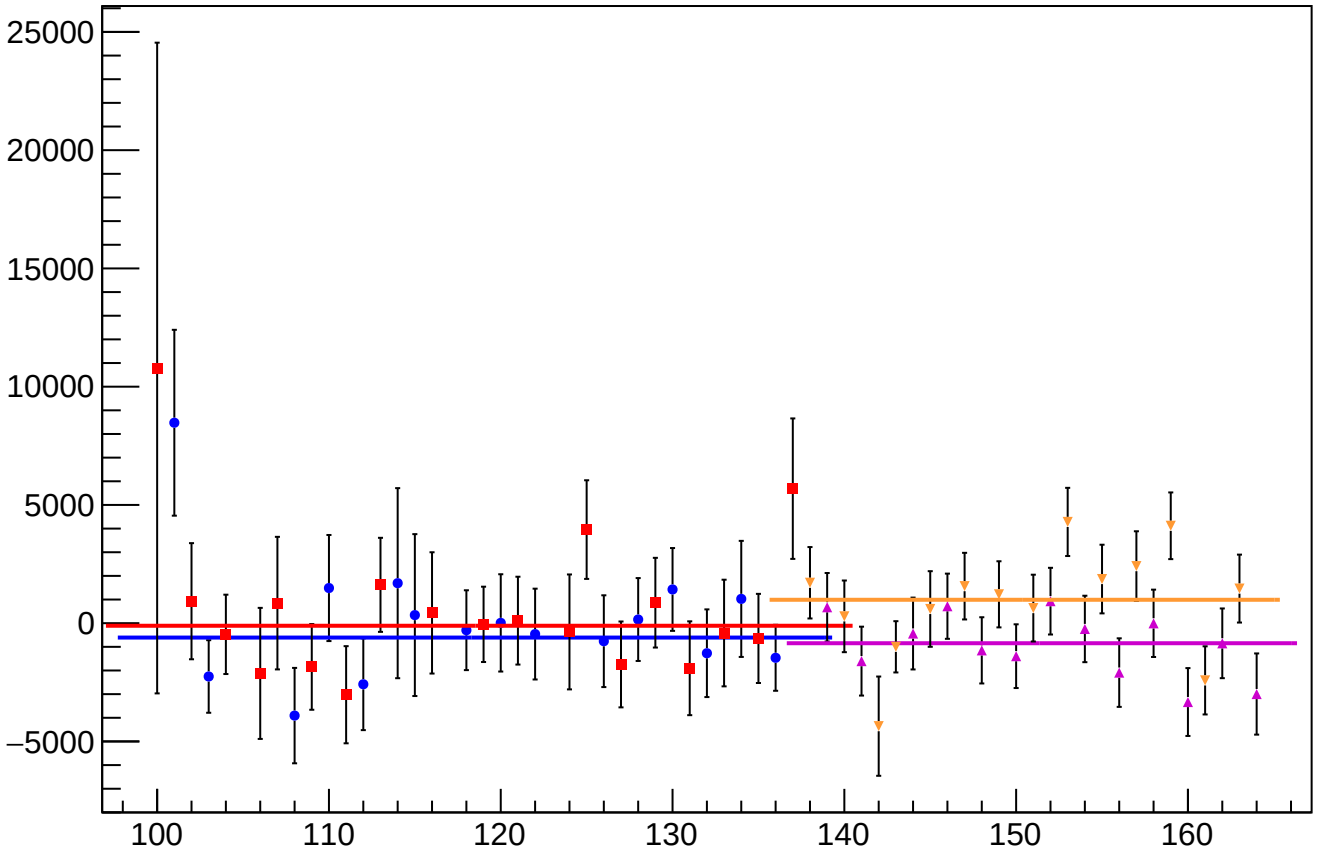
Left: 3619.140+/-0.570 χ^2/NDF: 3651871.8/26

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3789.577+/-0.641 χ^2/NDF:1252855.1/28

Out: 3233.929+/-0.558 χ^2/NDF:3207139.2/32

All: 3473.228+/-0.421 χ^2/NDF: 4887241.3/61



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.710+/-384.960 χ^2/NDF:27.8/13

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -847.227+/-400.519 χ^2/NDF:10.4/12

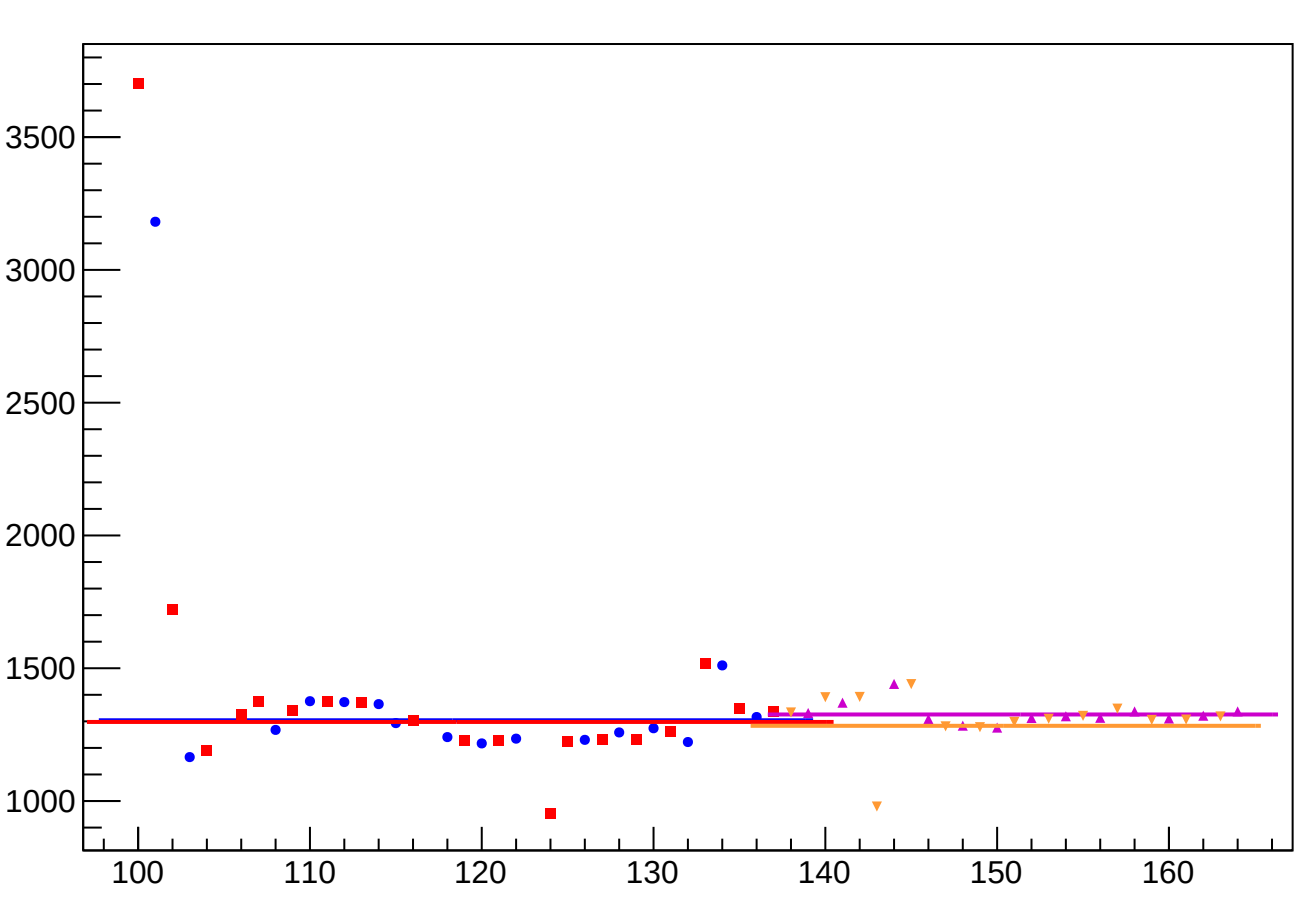
Left: 107.614+/-277.545 χ^2/NDF: 49.1/26

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -752.319+/-311.157 χ^2/NDF:24.6/28

Out: 565.793+/-301.656 χ^2/NDF:45.8/32

All: -72.830+/-216.584 χ^2/NDF: 79.6/61



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.230+/-0.272 χ^2/NDF:202612.3/13

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.933+/-0.283 χ^2/NDF:19015.9/12

Left: 1303.736+/-0.196 χ^2/NDF: 233445.9/26

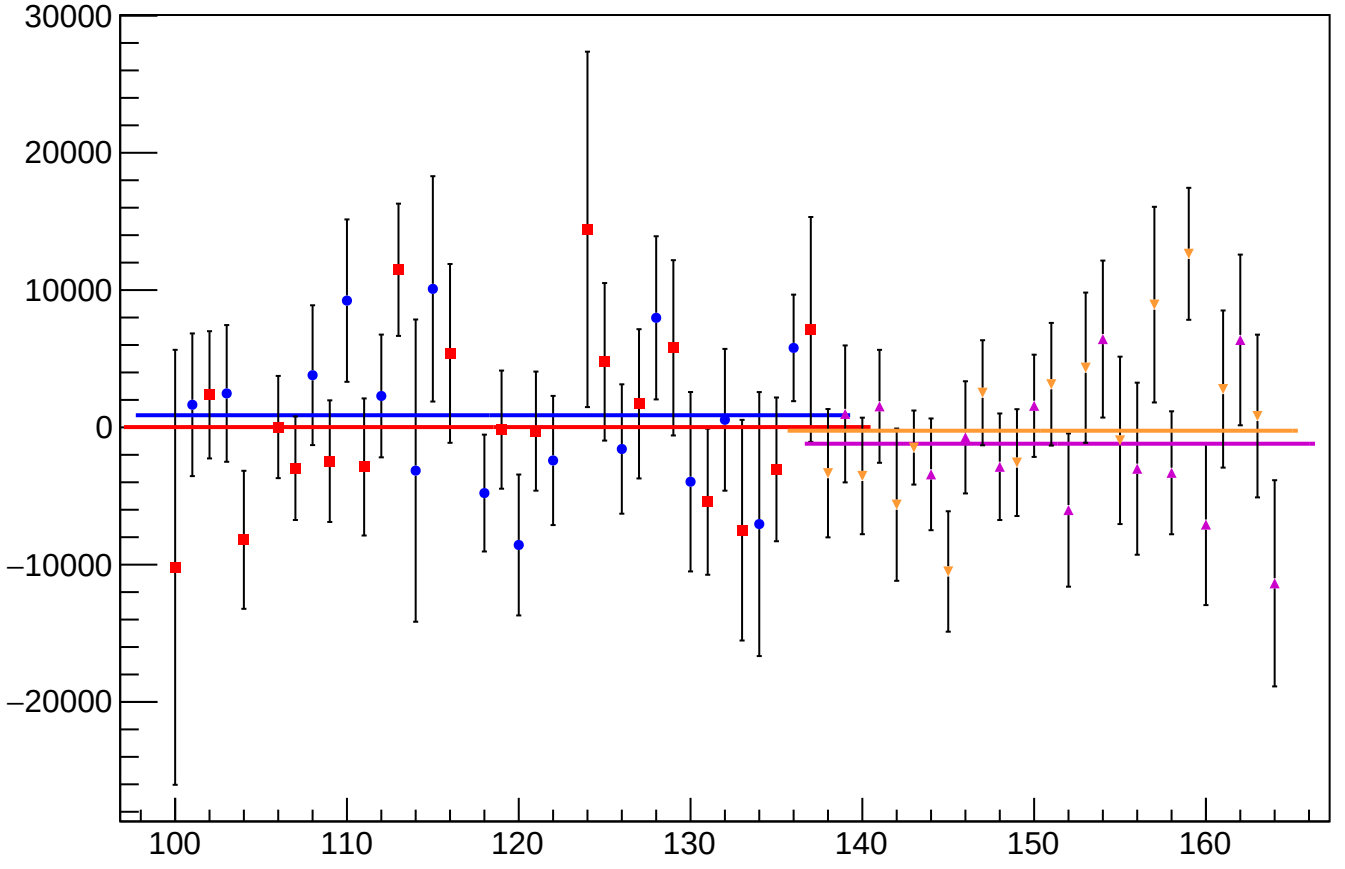
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1317.278+/-0.220 χ^2/NDF:531960.9/28

Out: 1288.857+/-0.213 χ^2/NDF:416815.4/32

All: 1302.623+/-0.153 χ^2/NDF: 957380.3/61

asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -243.884+/-1203.871 χ^2/NDF:19.0/13

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1191.323+/-1325.927 χ^2/NDF:8.8/12

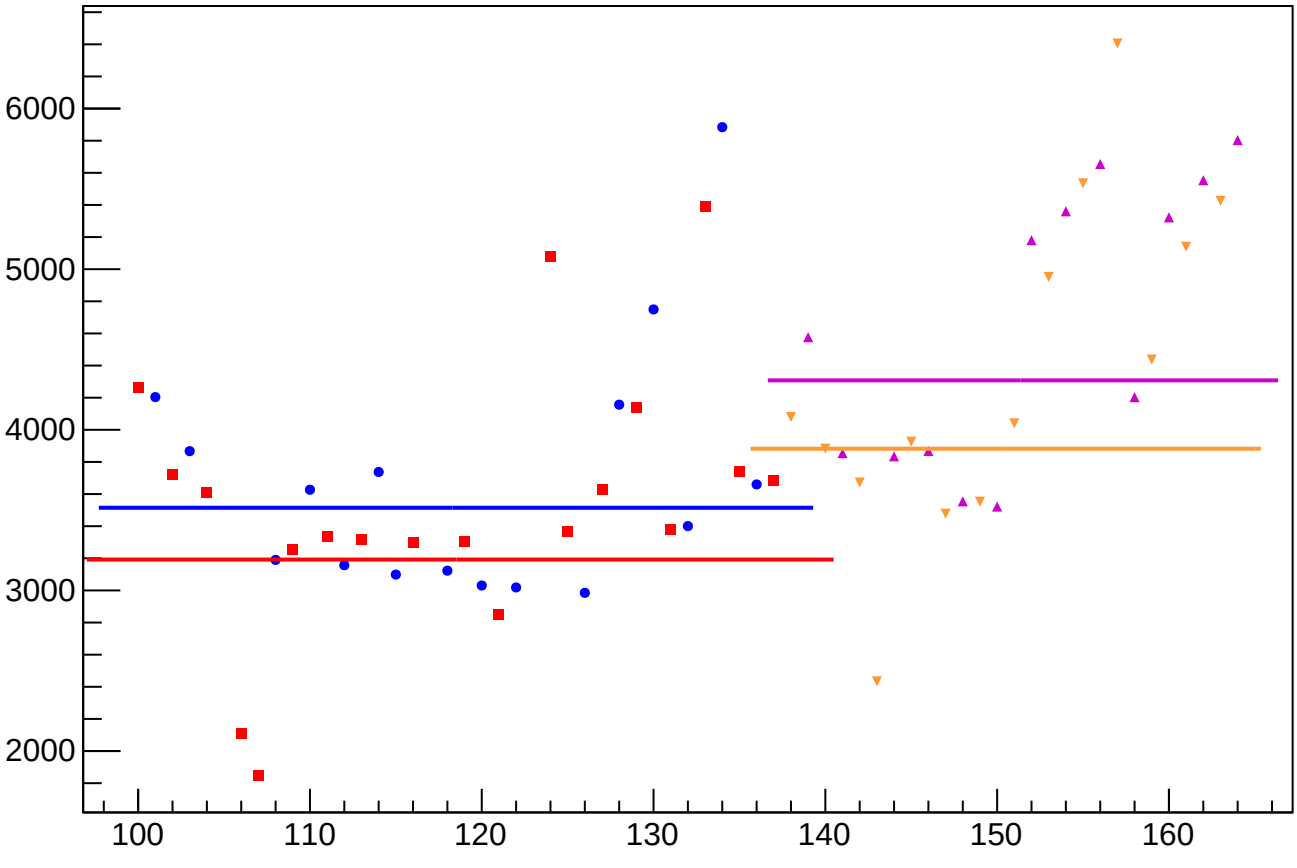
Left: -671.998+/-891.300 χ^2/NDF: 28.1/26

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: -154.784+/-938.092 χ^2/NDF:24.2/28

Out: -111.177+/-849.899 χ^2/NDF:35.8/32

All: -130.835+/-629.846 χ^2/NDF: 60.0/61



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3882.446+/-0.851 χ^2/NDF:1355221.4/13

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4307.916+/-0.938 χ^2/NDF:674431.0/12

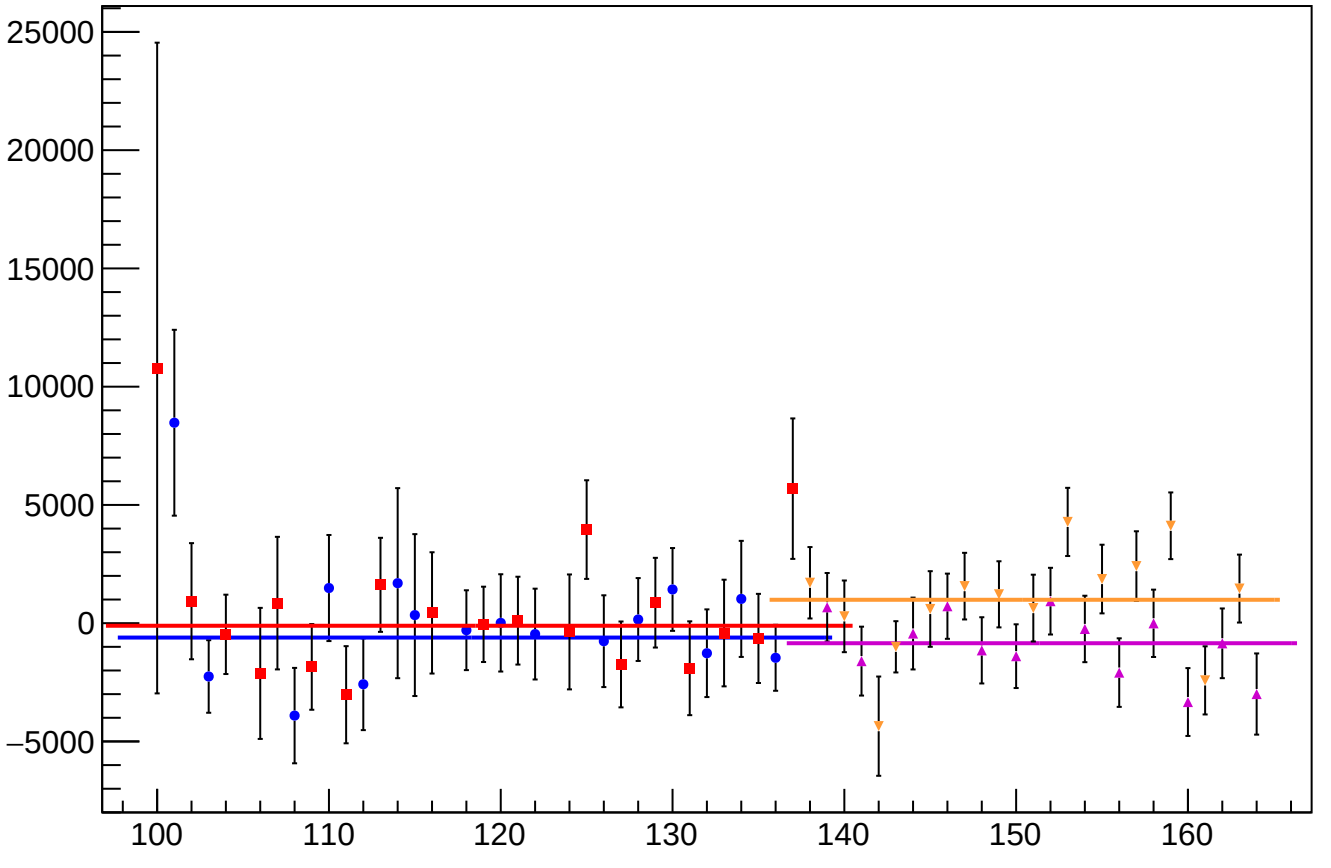
Left: 4074.701+/-0.630 χ^2/NDF: 2142532.1/26

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3911.771+/-0.663 χ^2/NDF:1406956.8/28

Out: 3536.218+/-0.601 χ^2/NDF:2457505.3/32

All: 3705.515+/-0.445 χ^2/NDF: 4040504.4/61



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.716+/-384.960 χ^2/NDF:27.8/13

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -847.228+/-400.519 χ^2/NDF:10.4/12

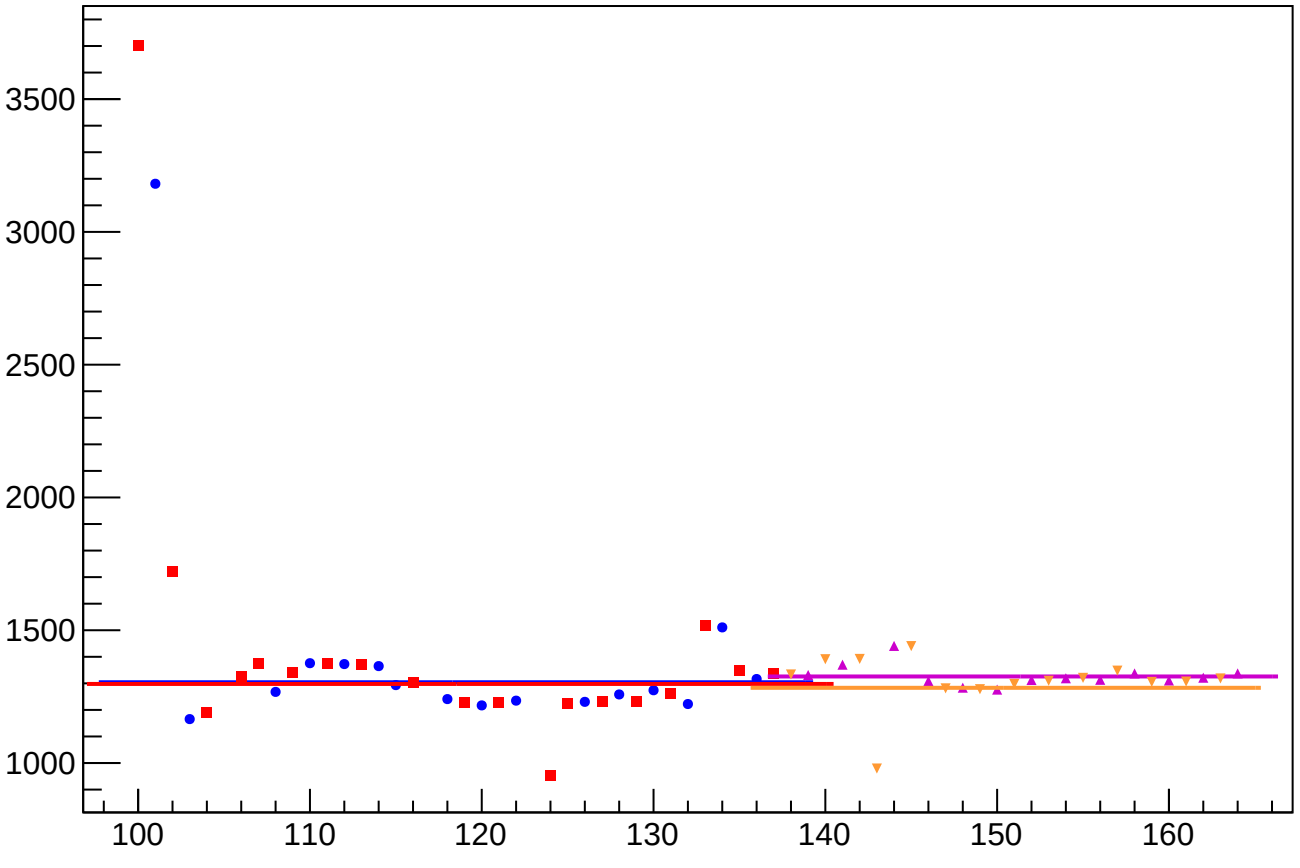
Left: 107.616+/-277.546 χ^2/NDF: 49.1/26

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -752.321+/-311.158 χ^2/NDF:24.6/28

Out: 565.794+/-301.656 χ^2/NDF:45.8/32

All: -72.830+/-216.584 χ^2/NDF: 79.6/61



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1283.231+/-0.272 χ^2/NDF:202612.9/13

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.934+/-0.283 χ^2/NDF:19016.0/12

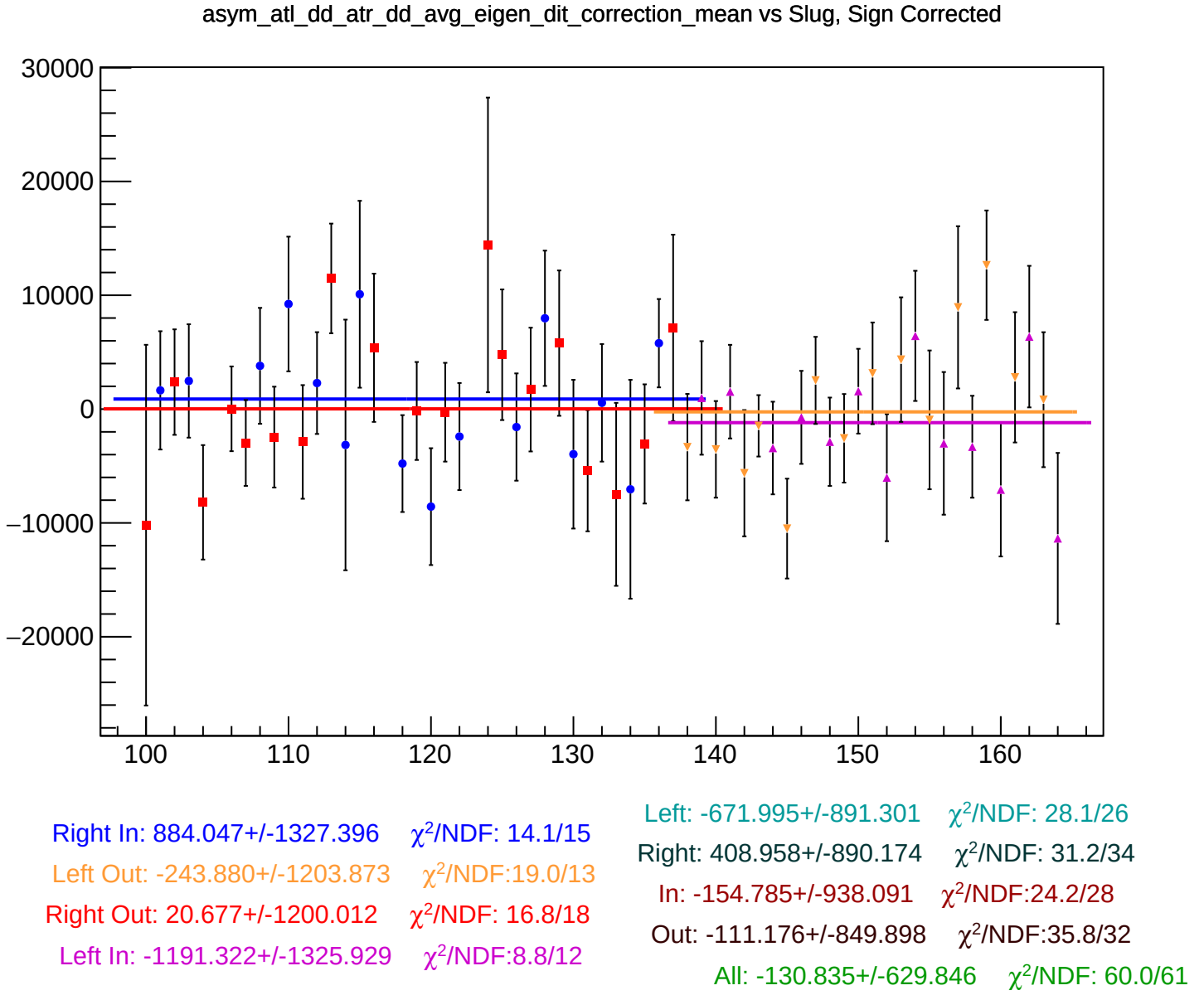
Left: 1303.737+/-0.196 χ^2/NDF: 233446.8/26

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

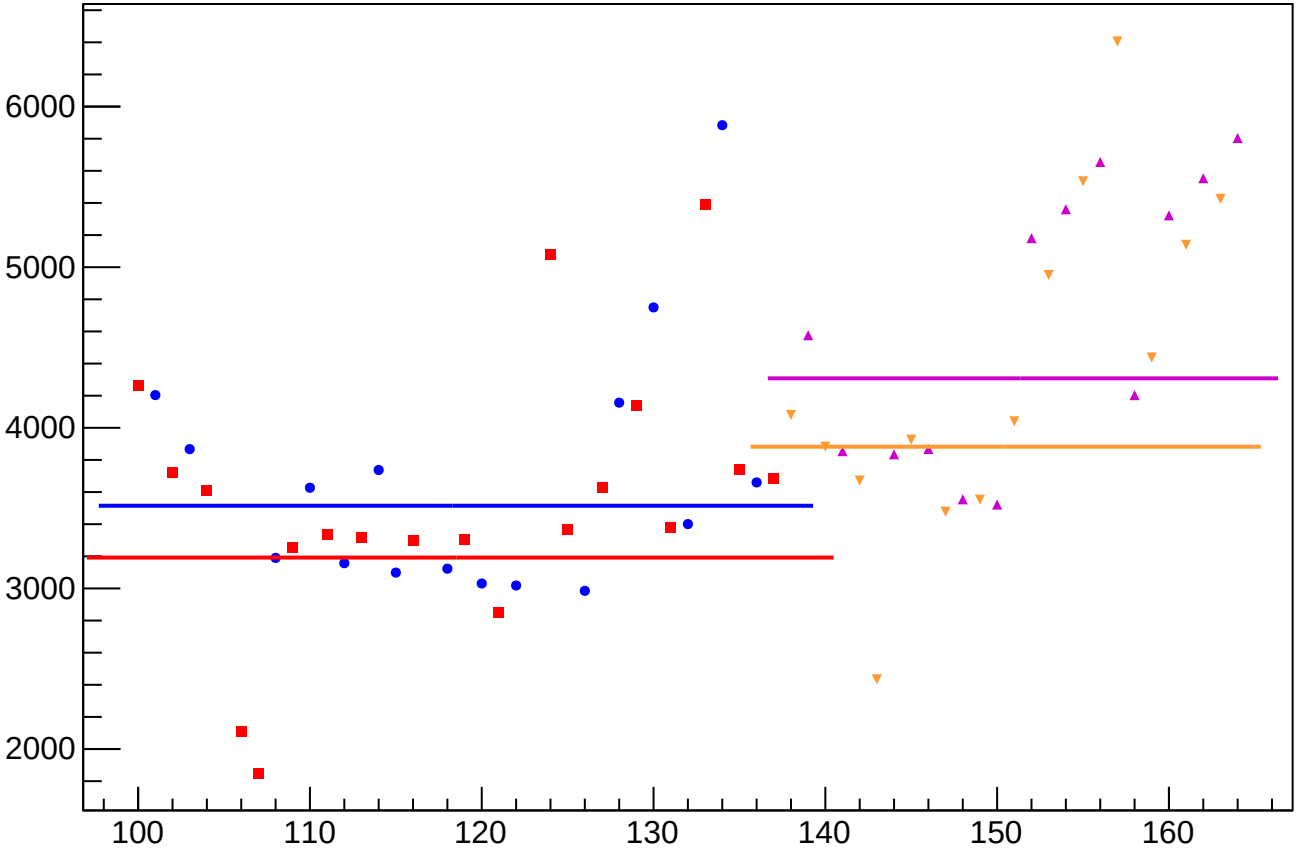
In: 1317.279+/-0.220 χ^2/NDF:531961.4/28

Out: 1288.858+/-0.213 χ^2/NDF:416815.9/32

All: 1302.624+/-0.153 χ^2/NDF: 957381.4/61


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -243.880+/-1203.873 χ²/NDF:19.0/13
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -1191.322+/-1325.929 χ²/NDF:8.8/12
Left: -671.995+/-891.301 χ²/NDF: 28.1/26
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: -154.785+/-938.091 χ²/NDF:24.2/28
Out: -111.176+/-849.898 χ²/NDF:35.8/32
All: -130.835+/-629.846 χ²/NDF: 60.0/61

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: 3882.452+/-0.851 χ^2/NDF:1355222.4/13

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4307.922+/-0.938 χ^2/NDF:674432.7/12

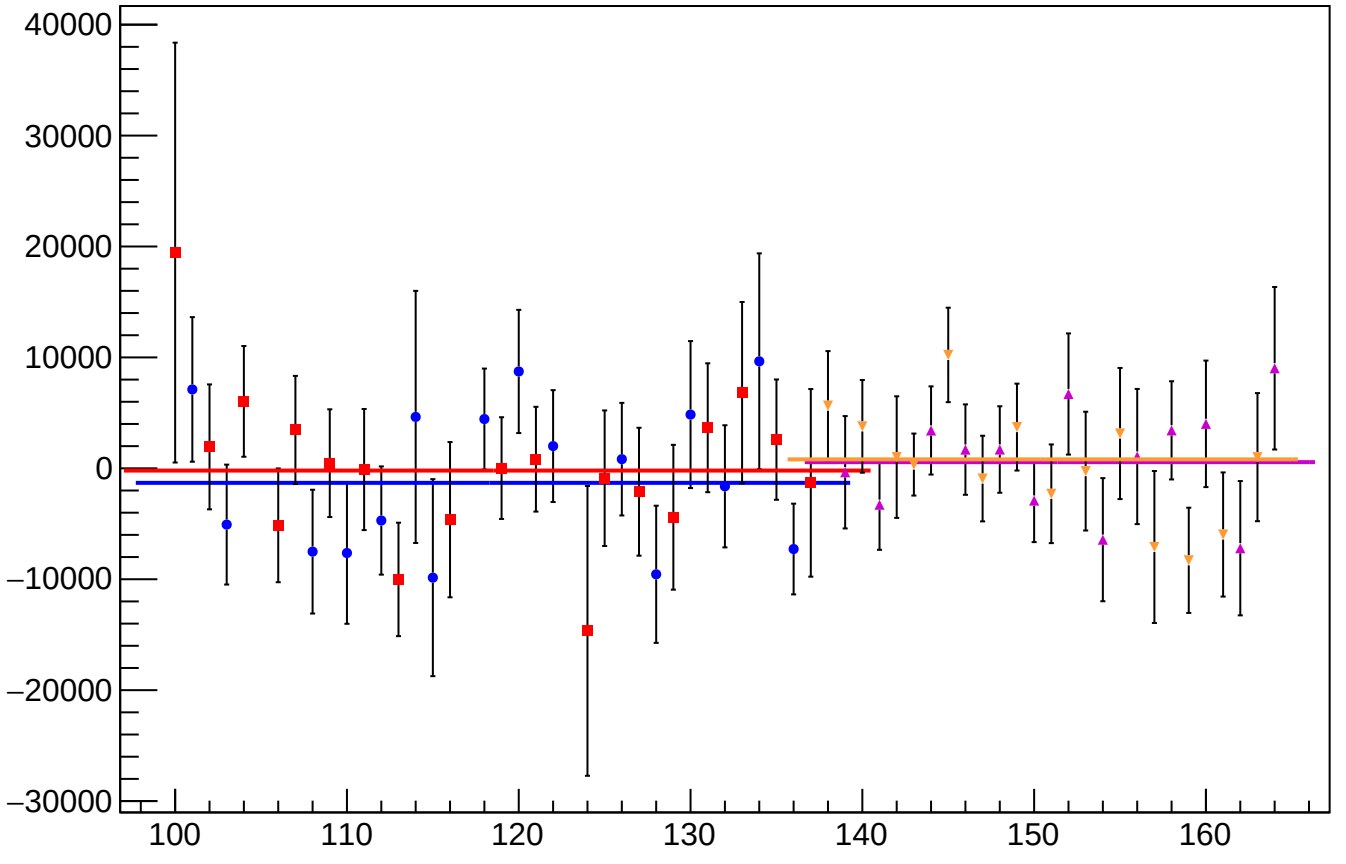
Left: 4074.707+/-0.630 χ^2/NDF: 2142534.7/26

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3911.768+/-0.663 χ^2/NDF:1406976.5/28

Out: 3536.215+/-0.601 χ^2/NDF:2457521.6/32

All: 3705.512+/-0.445 χ^2/NDF: 4040540.1/61



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 808.302+/-1204.711 χ^2/NDF:14.3/13

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 558.248+/-1312.498 χ^2/NDF:9.1/12

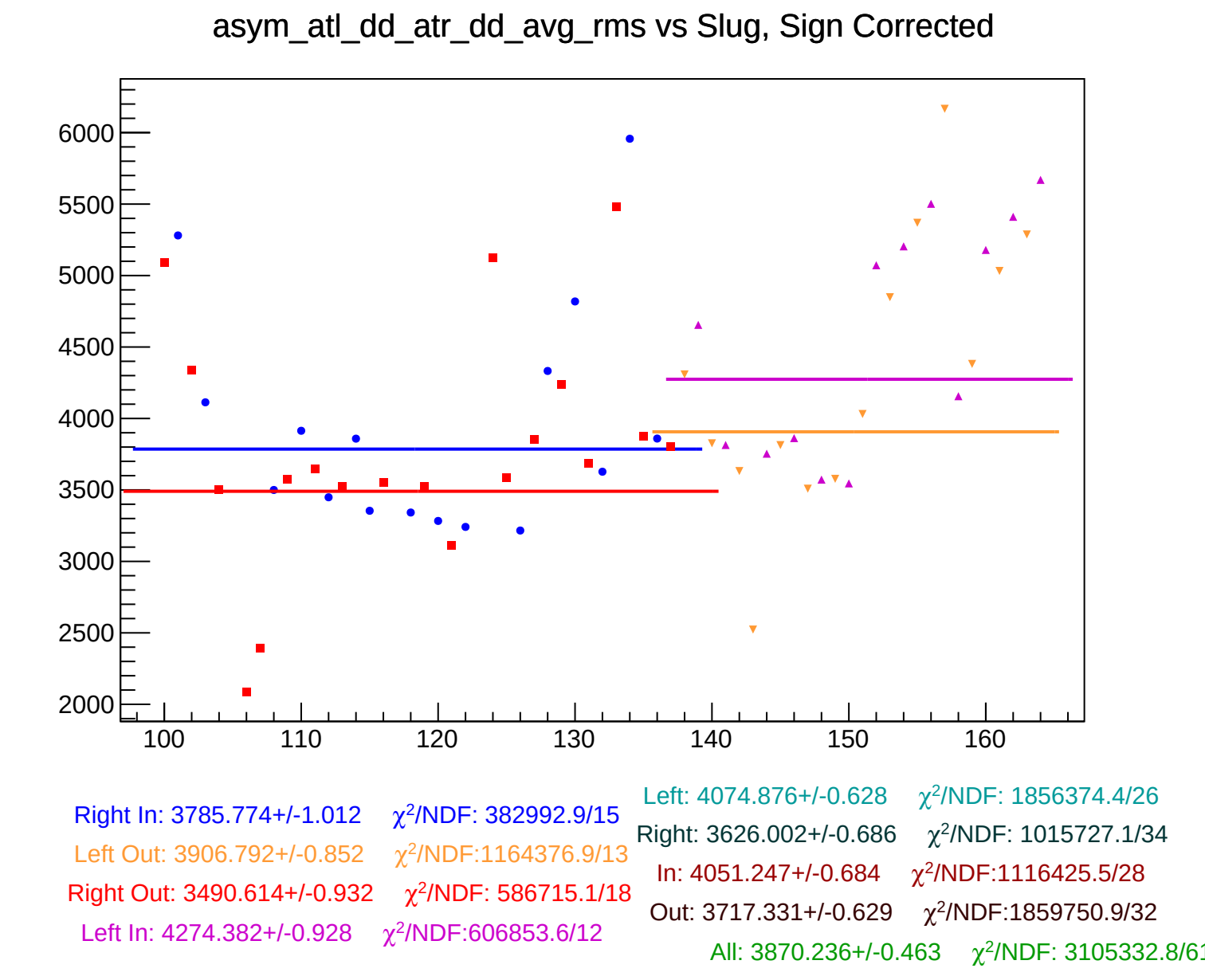
Left: 693.963+/-887.523 χ^2/NDF: 23.4/26

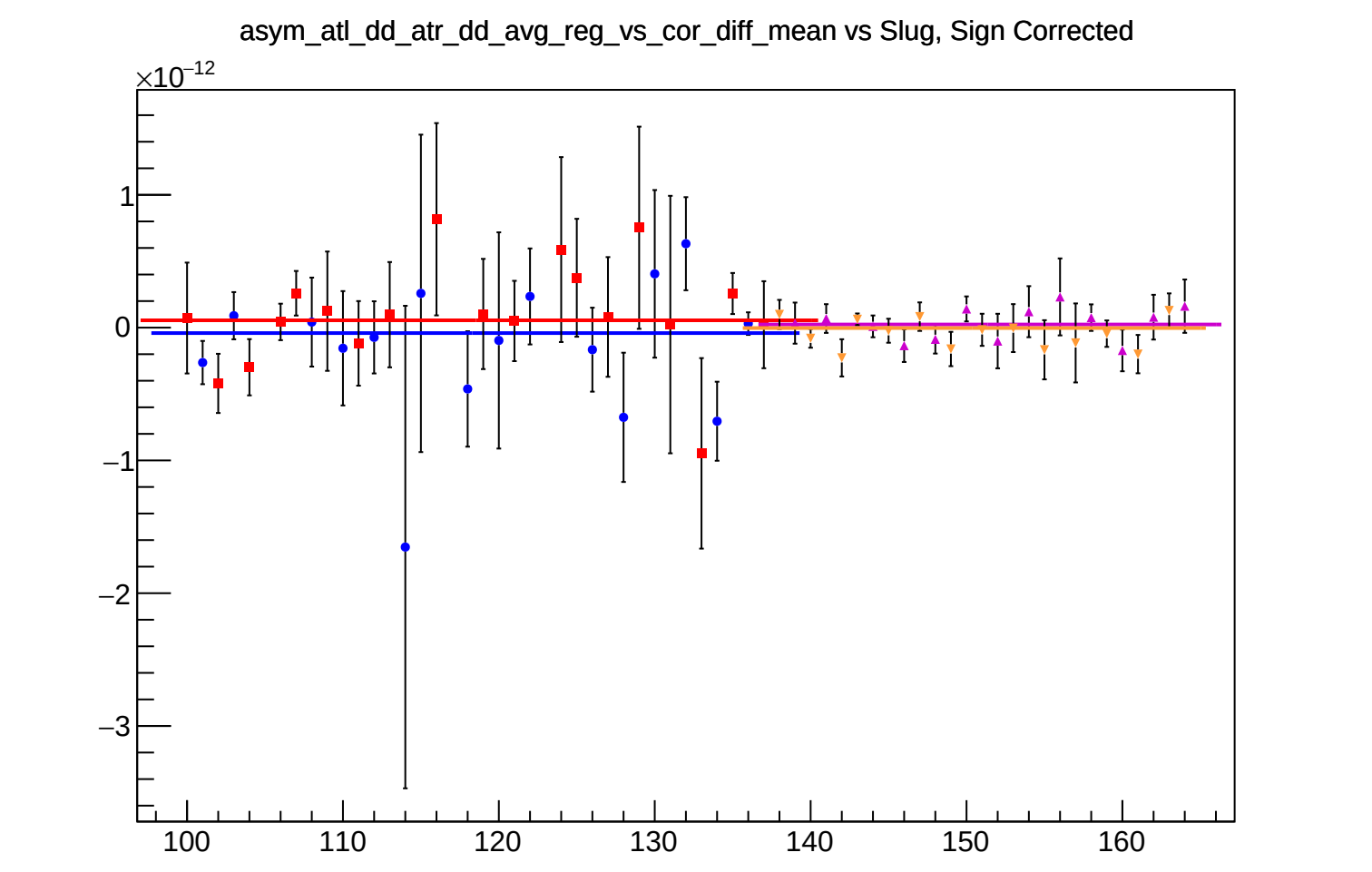
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -294.628+/-967.454 χ^2/NDF:27.6/28

Out: 355.424+/-894.703 χ^2/NDF:26.3/32

All: 55.756+/-656.866 χ^2/NDF: 54.1/61


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 3785.774+/-1.012 χ²/NDF: 382992.9/15
Left Out: 3906.792+/-0.852 χ²/NDF:1164376.9/13
Right Out: 3490.614+/-0.932 χ²/NDF: 586715.1/18
Left In: 4274.382+/-0.928 χ²/NDF:606853.6/12
Left: 4074.876+/-0.628 χ²/NDF: 1856374.4/26
Right: 3626.002+/-0.686 χ²/NDF: 1015727.1/34
In: 4051.247+/-0.684 χ²/NDF:1116425.5/28
Out: 3717.331+/-0.629 χ²/NDF:1859750.9/32
All: 3870.236+/-0.463 χ²/NDF: 3105332.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/12

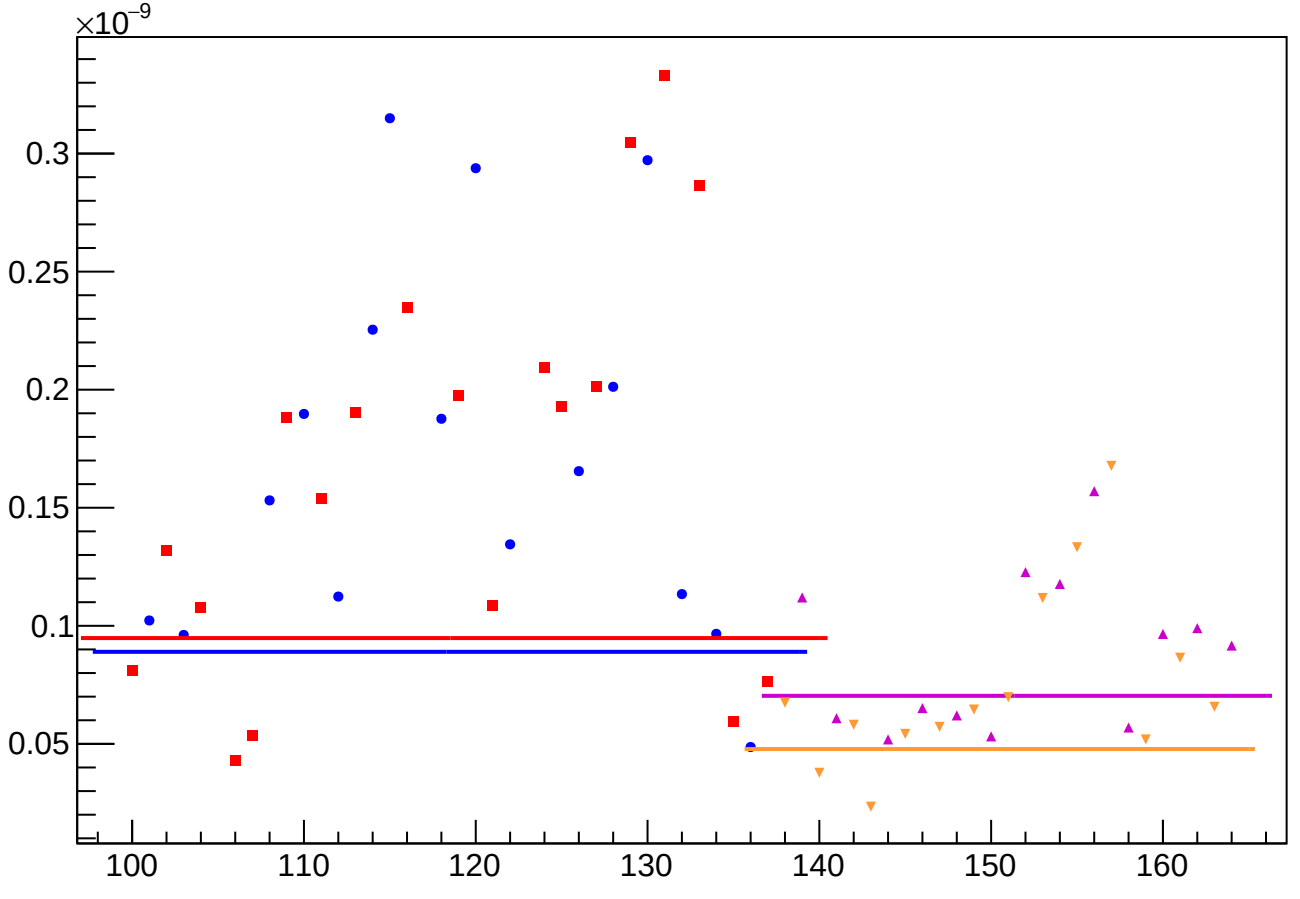
Left: 0.000+/-0.000 χ^2/NDF: 21.2/26

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:25.6/28

Out: 0.000+/-0.000 χ^2/NDF:29.4/32

All: 0.000+/-0.000 χ^2/NDF: 55.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1913939.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:946141.6/12

Left: 0.000+/-0.000 χ^2/NDF: 3387197.0/26

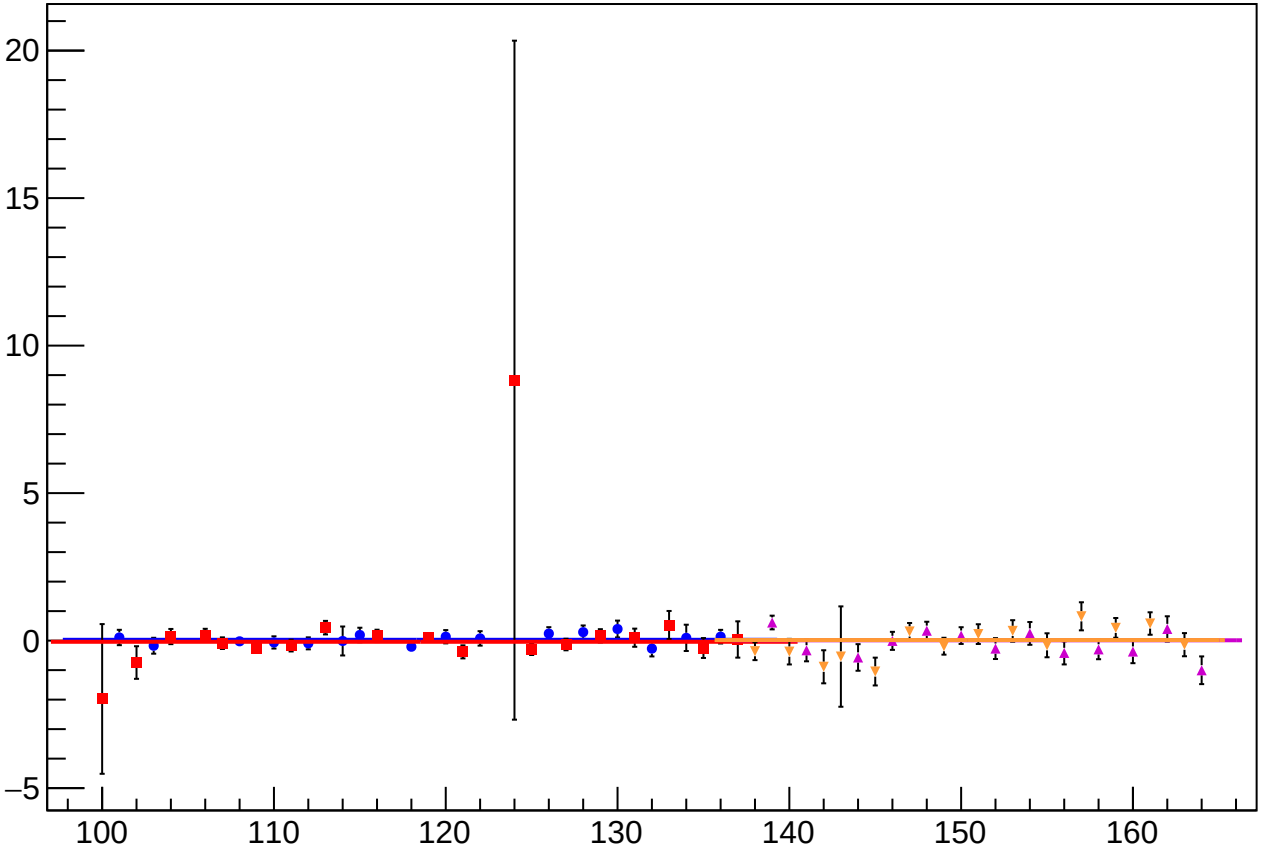
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2553869.1/28

Out: 0.000+/-0.000 χ^2/NDF:4573405.5/32

All: 0.000+/-0.000 χ^2/NDF: 7697963.7/61

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.015+/-0.069 χ^2/NDF: 39.9/26

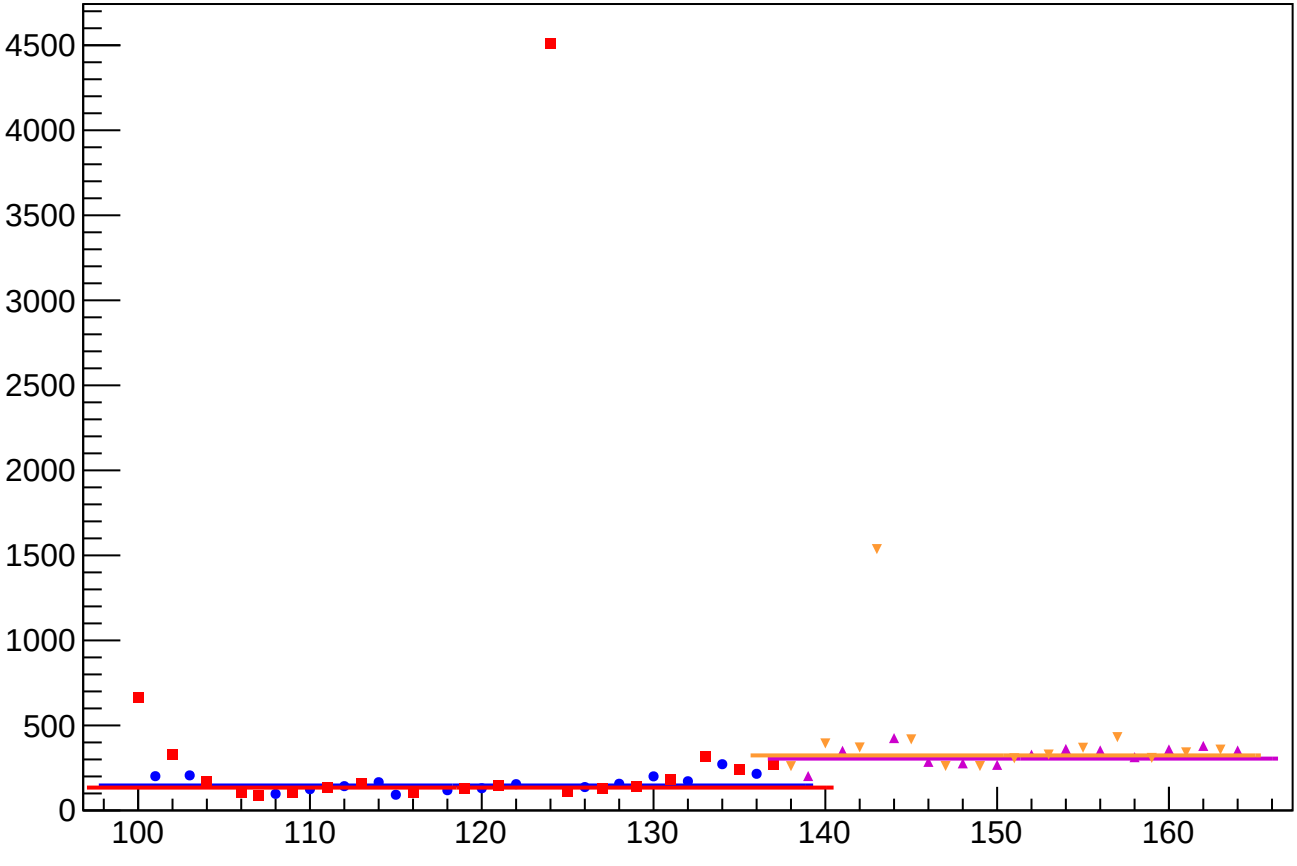
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: -0.002+/-0.034 χ^2/NDF: 70.1/61

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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

Left: 313.730+/-0.049 χ^2/NDF: 2454979.0/26

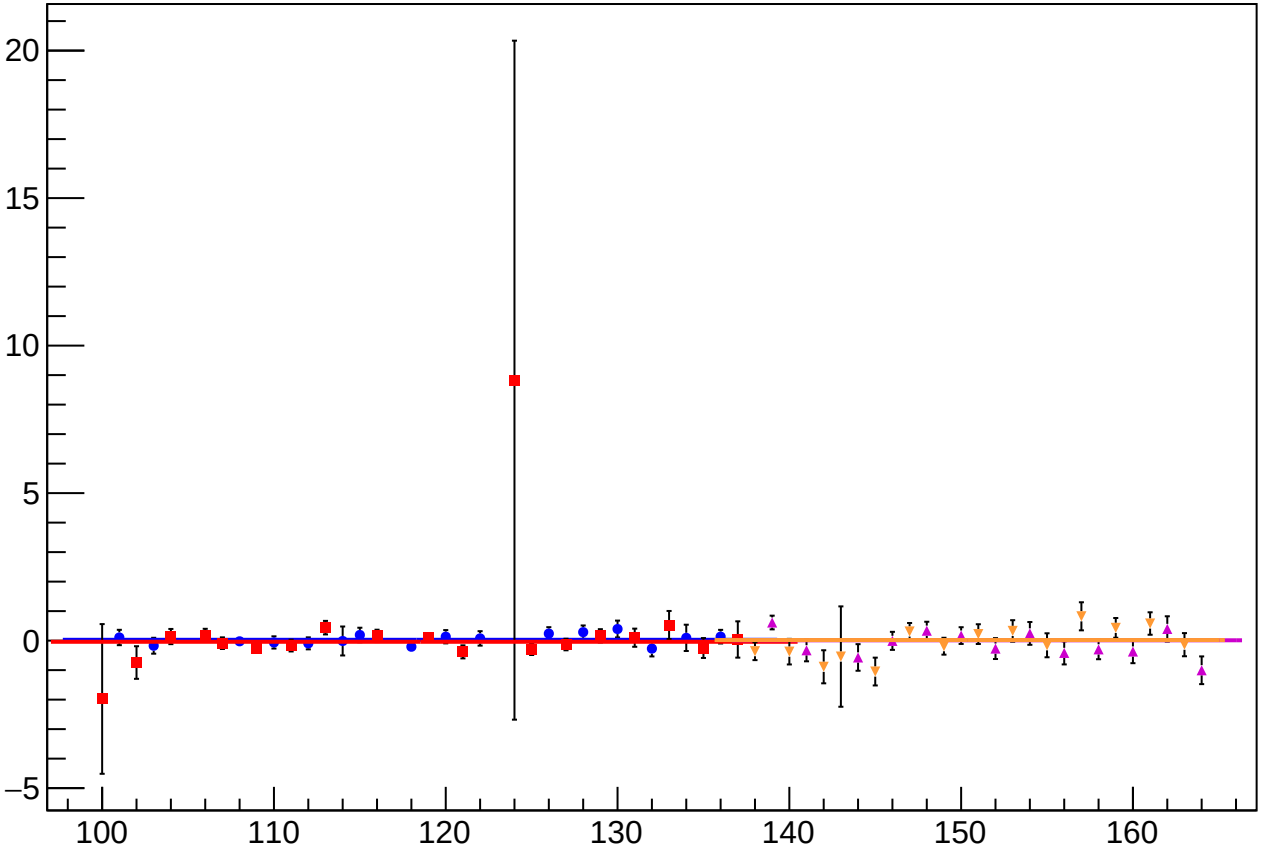
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 189.495+/-0.035 χ^2/NDF:5872838.2/28

Out: 177.461+/-0.034 χ^2/NDF:8619520.0/32

All: 183.337+/-0.024 χ^2/NDF: 14553328.6/61

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.015+/-0.069 χ^2/NDF: 39.9/26

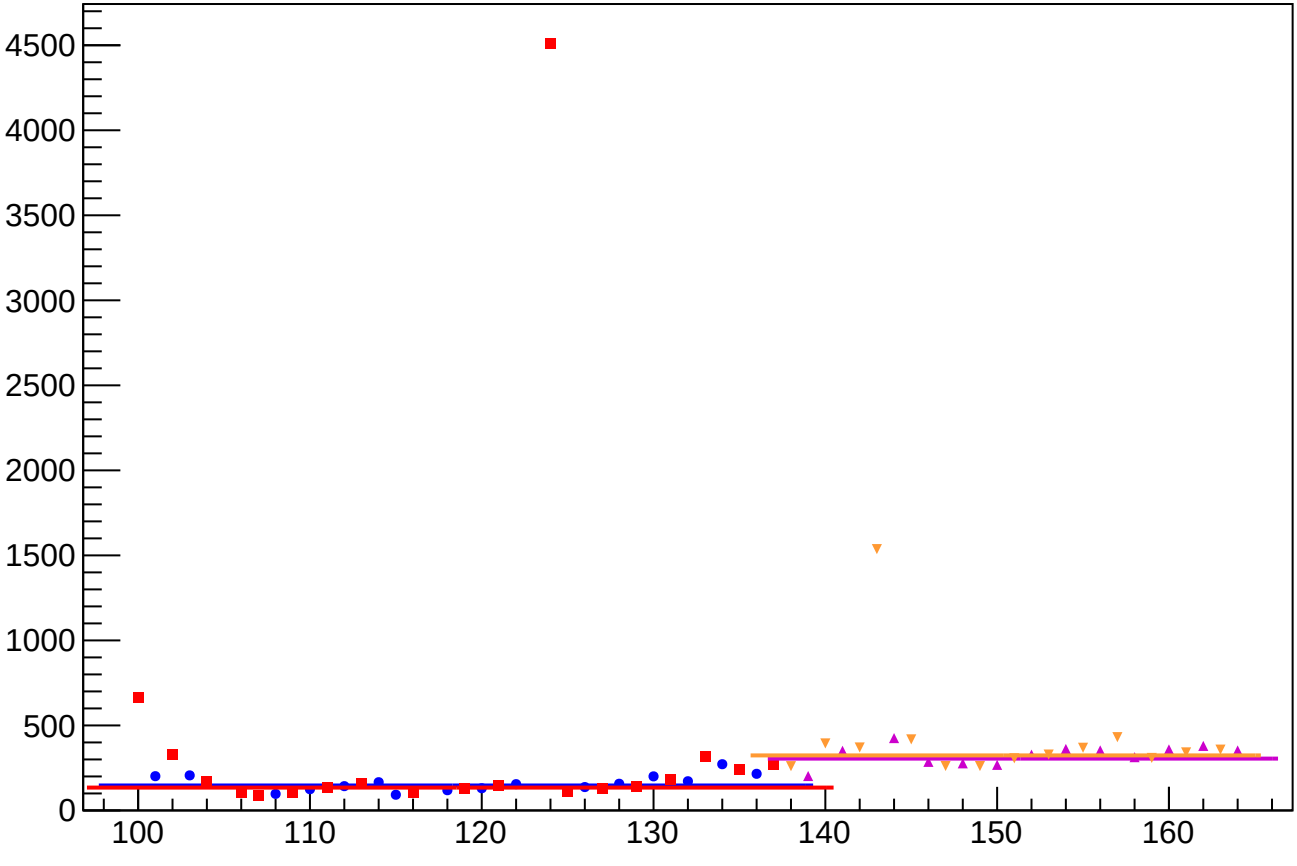
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: -0.002+/-0.034 χ^2/NDF: 70.1/61

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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

Left: 313.730+/-0.049 χ^2/NDF: 2454979.0/26

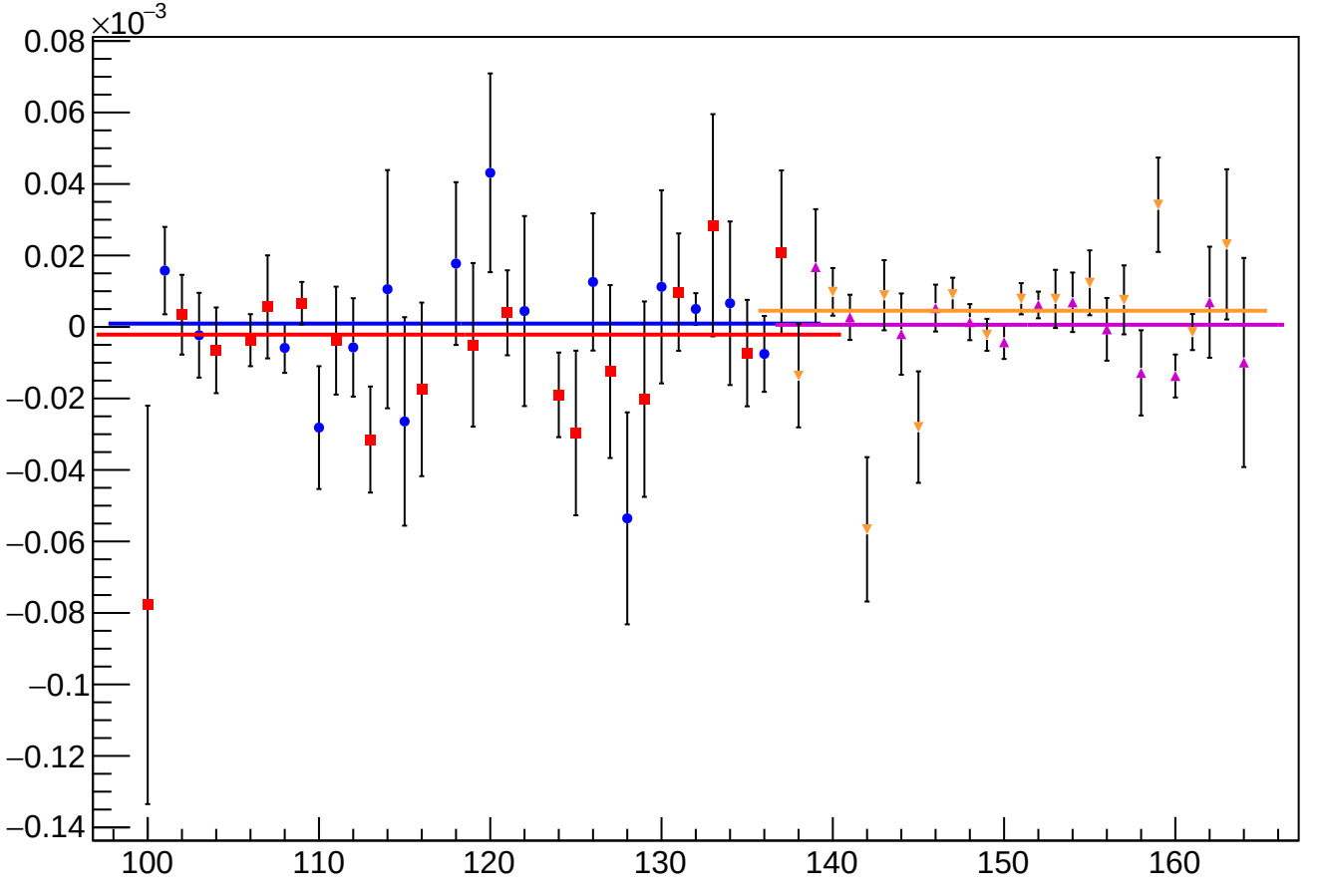
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 189.495+/-0.035 χ^2/NDF:5872838.2/28

Out: 177.461+/-0.034 χ^2/NDF:8619520.0/32

All: 183.337+/-0.024 χ^2/NDF: 14553328.6/61

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/12

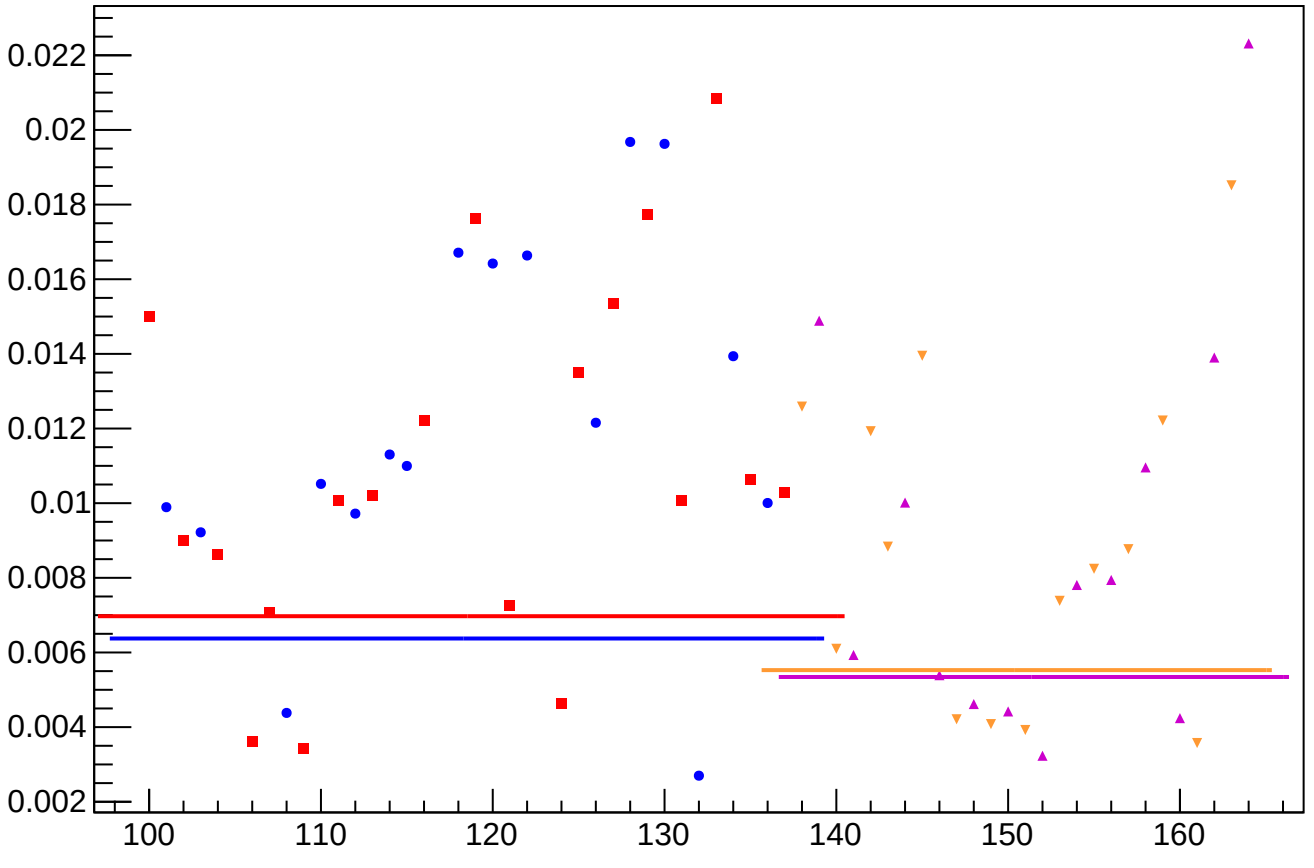
Left: 0.000+/-0.000 χ^2/NDF: 43.0/26

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:27.7/28

Out: 0.000+/-0.000 χ^2/NDF:47.6/32

All: 0.000+/-0.000 χ^2/NDF: 76.1/61



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4231862.3/13

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3950745.4/12

Left: 0.005+/-0.000 χ^2/NDF: 8192153.0/26

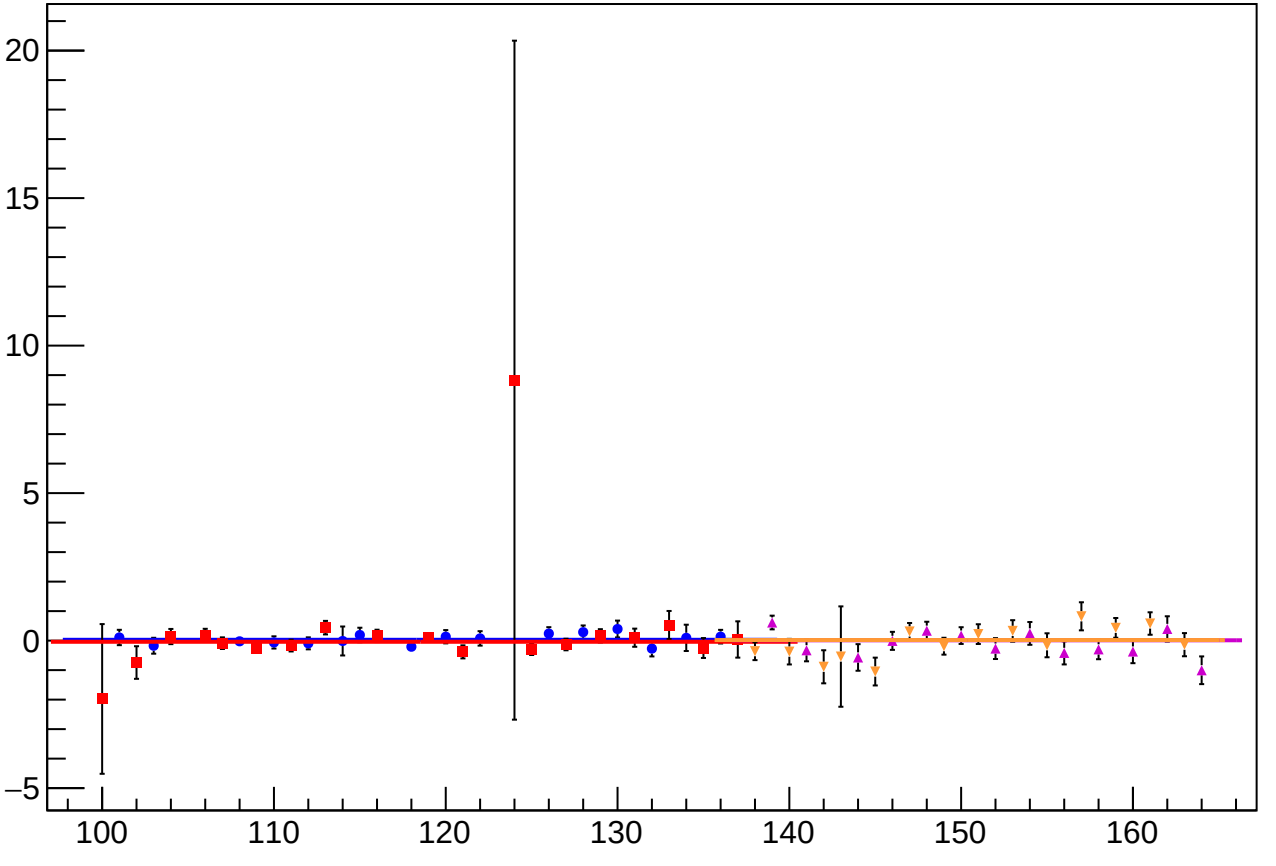
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:8766438.7/28

Out: 0.006+/-0.000 χ^2/NDF:7971164.2/32

All: 0.006+/-0.000 χ^2/NDF: 16771419.2/61

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.015+/-0.069 χ^2/NDF: 39.9/26

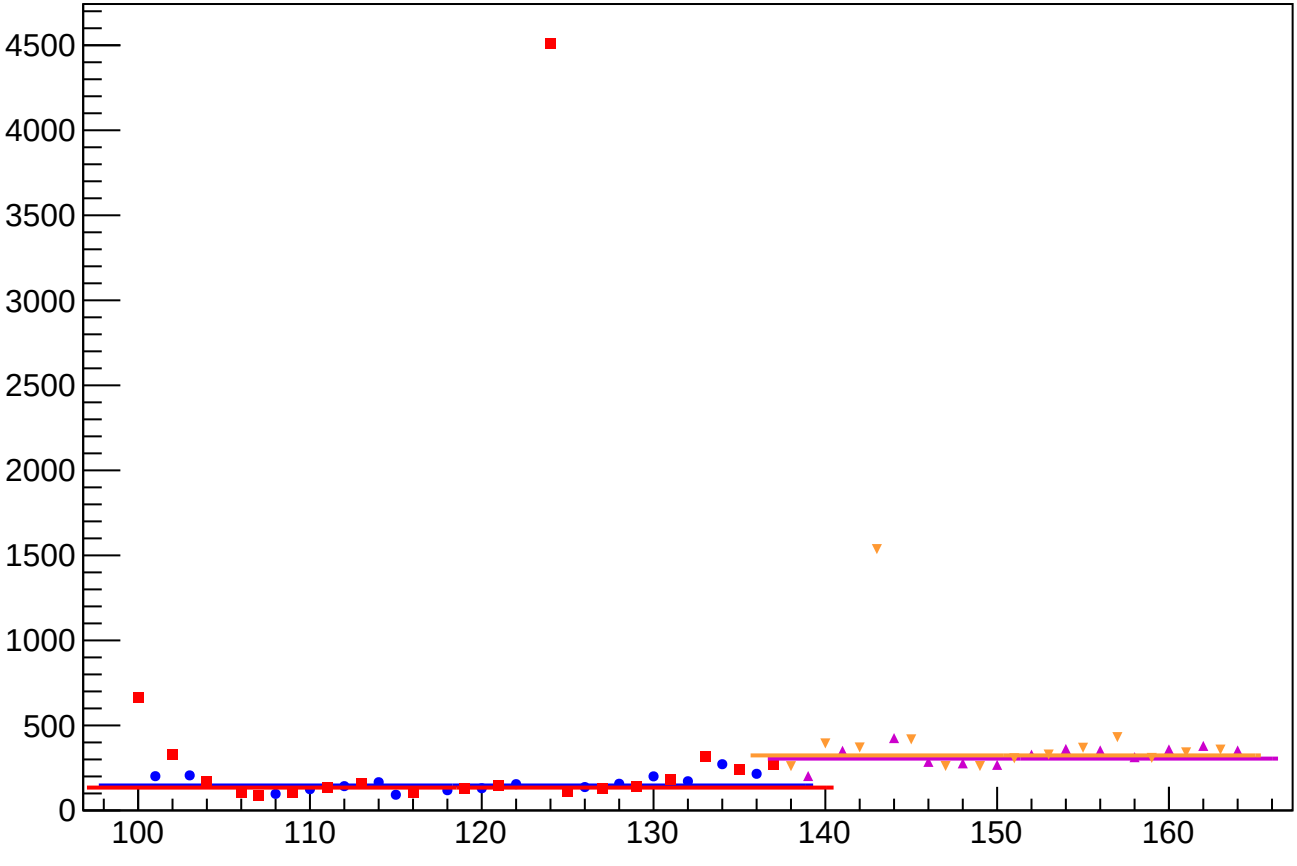
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: -0.002+/-0.034 χ^2/NDF: 70.1/61

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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

Left: 313.734+/-0.049 χ^2/NDF: 2454977.8/26

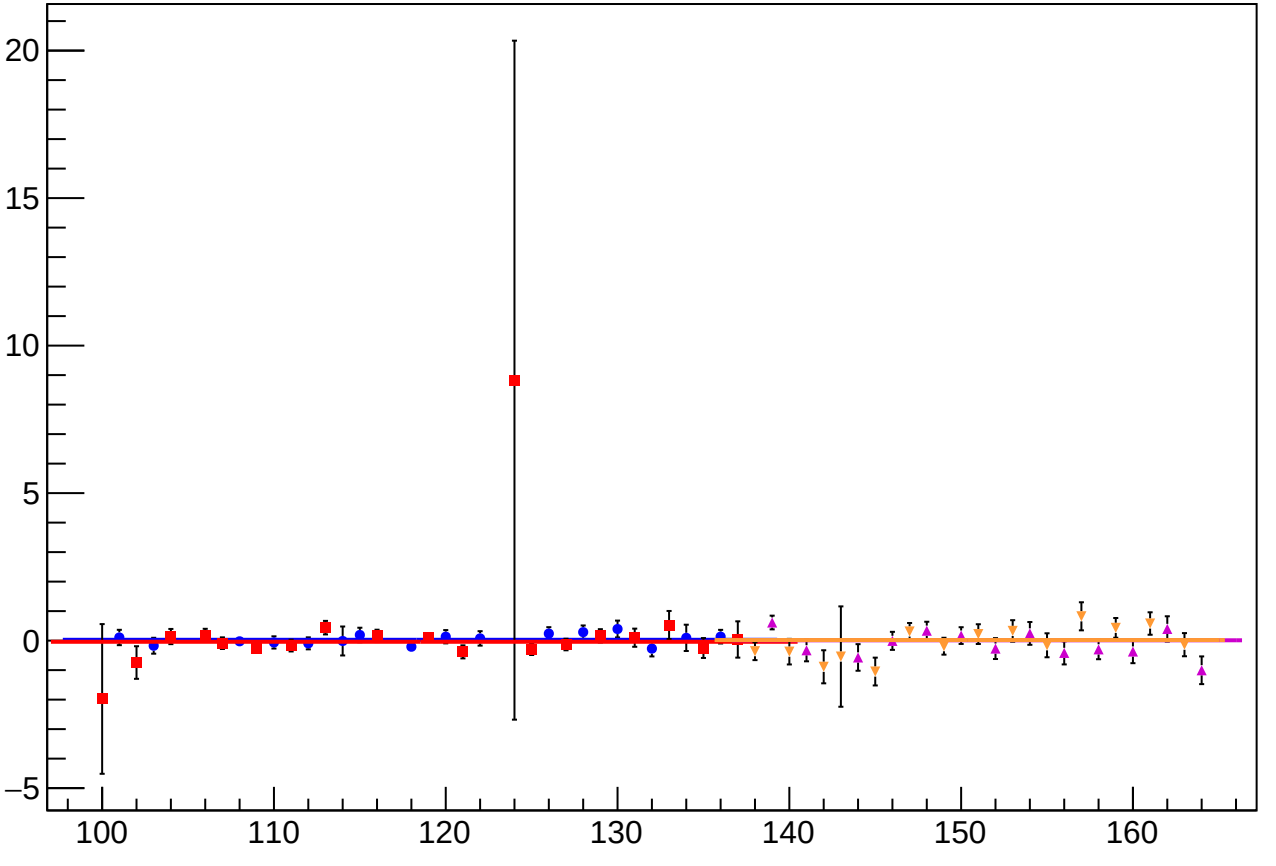
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 189.495+/-0.035 χ^2/NDF:5872926.3/28

Out: 177.463+/-0.034 χ^2/NDF:8619502.0/32

All: 183.338+/-0.024 χ^2/NDF: 14553384.3/61

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.015+/-0.069 χ^2/NDF: 39.9/26

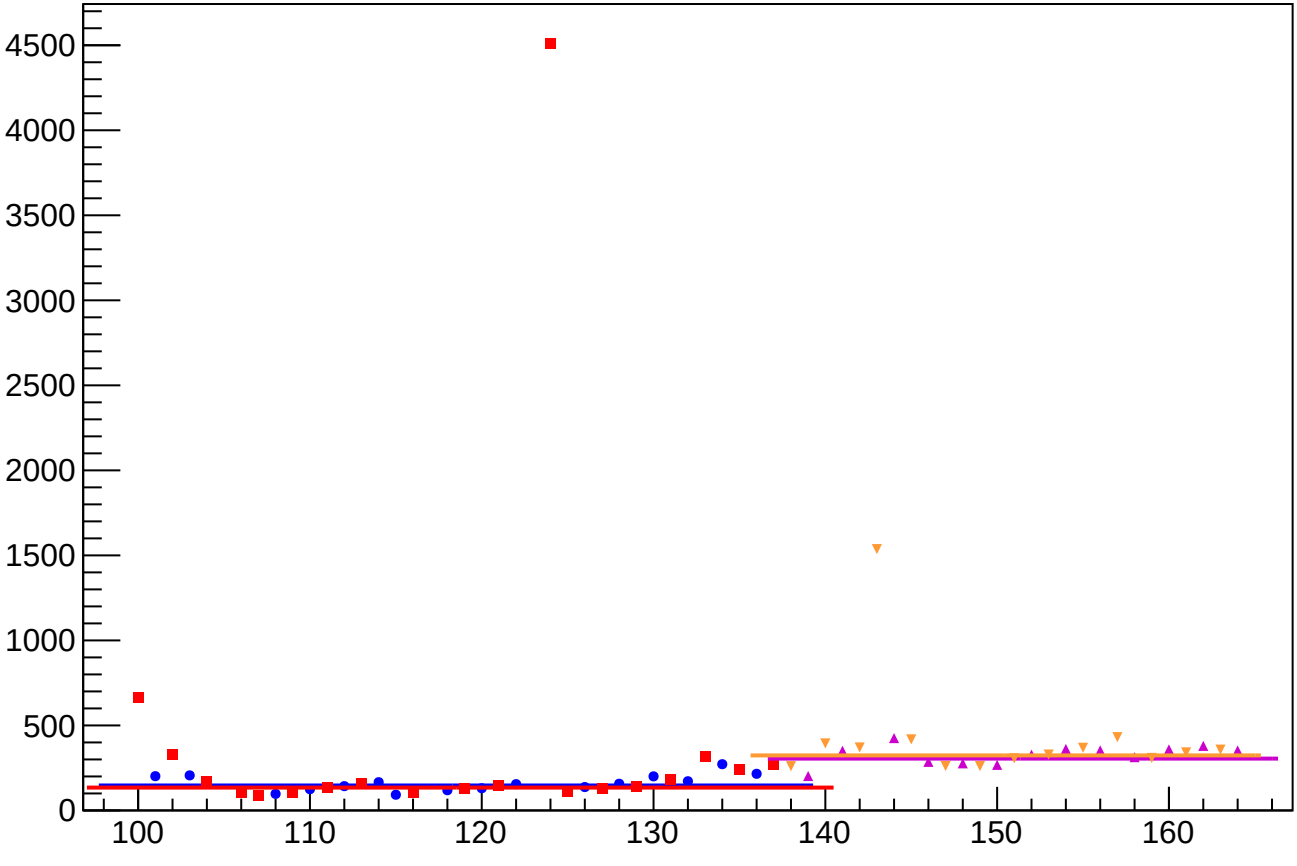
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: -0.002+/-0.034 χ^2/NDF: 70.1/61

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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

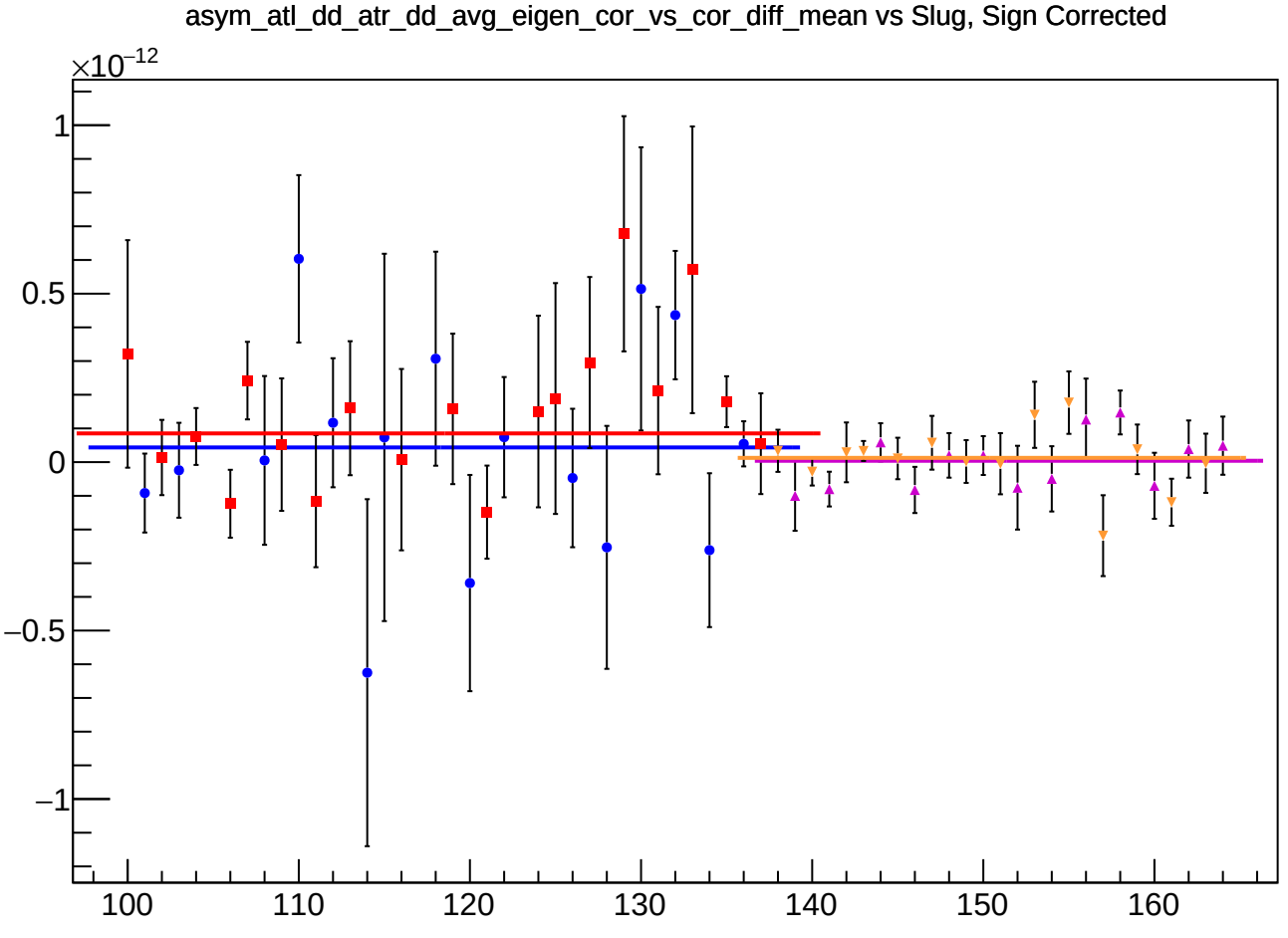
Left: 313.734+/-0.049 χ^2/NDF: 2454977.8/26

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 189.495+/-0.035 χ^2/NDF:5872926.3/28

Out: 177.463+/-0.034 χ^2/NDF:8619502.0/32

All: 183.338+/-0.024 χ^2/NDF: 14553384.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/12

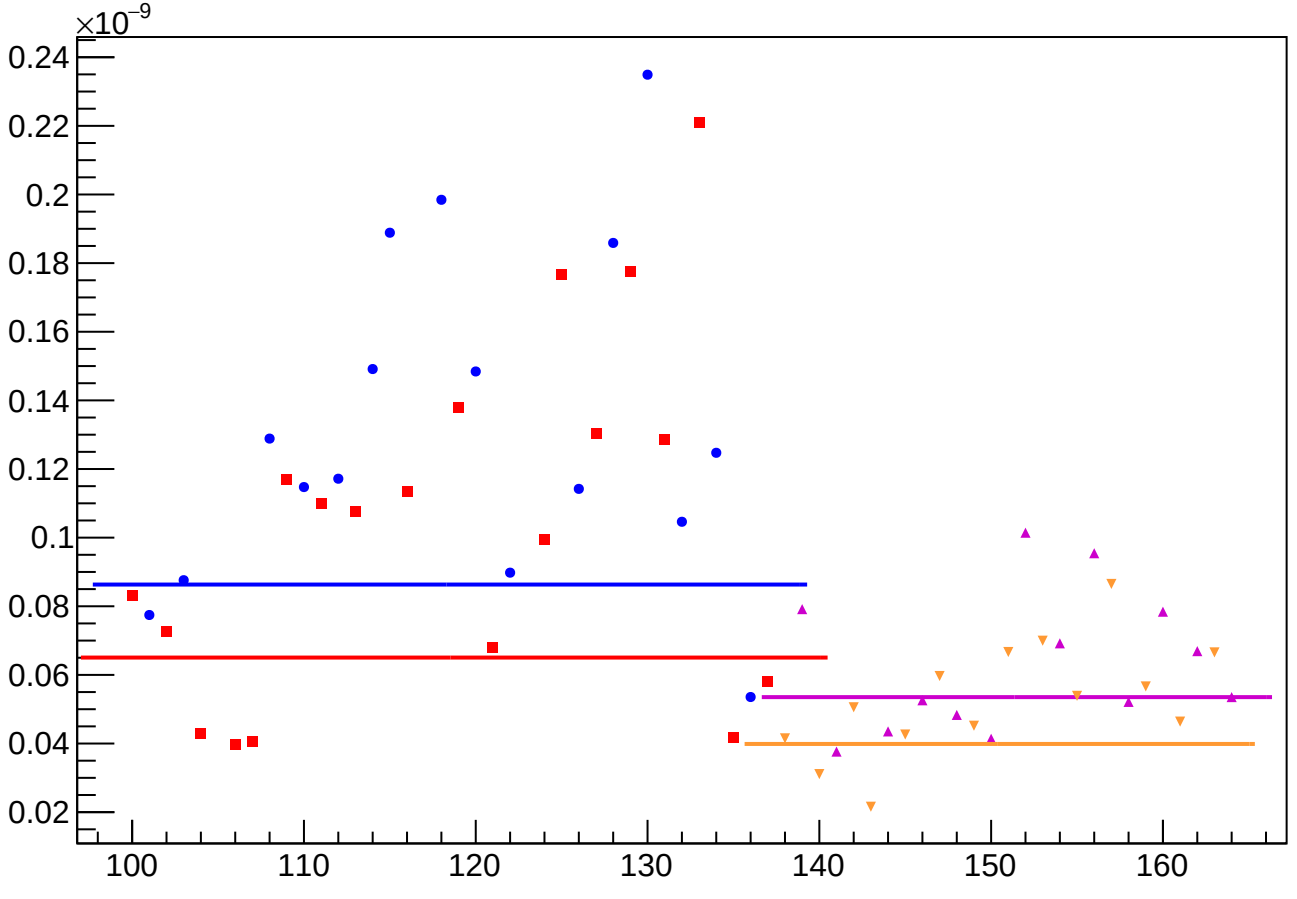
Left: 0.000+/-0.000 χ^2/NDF: 28.3/26

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.6/28

Out: 0.000+/-0.000 χ^2/NDF:36.1/32

All: 0.000+/-0.000 χ^2/NDF: 70.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2040794.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/12

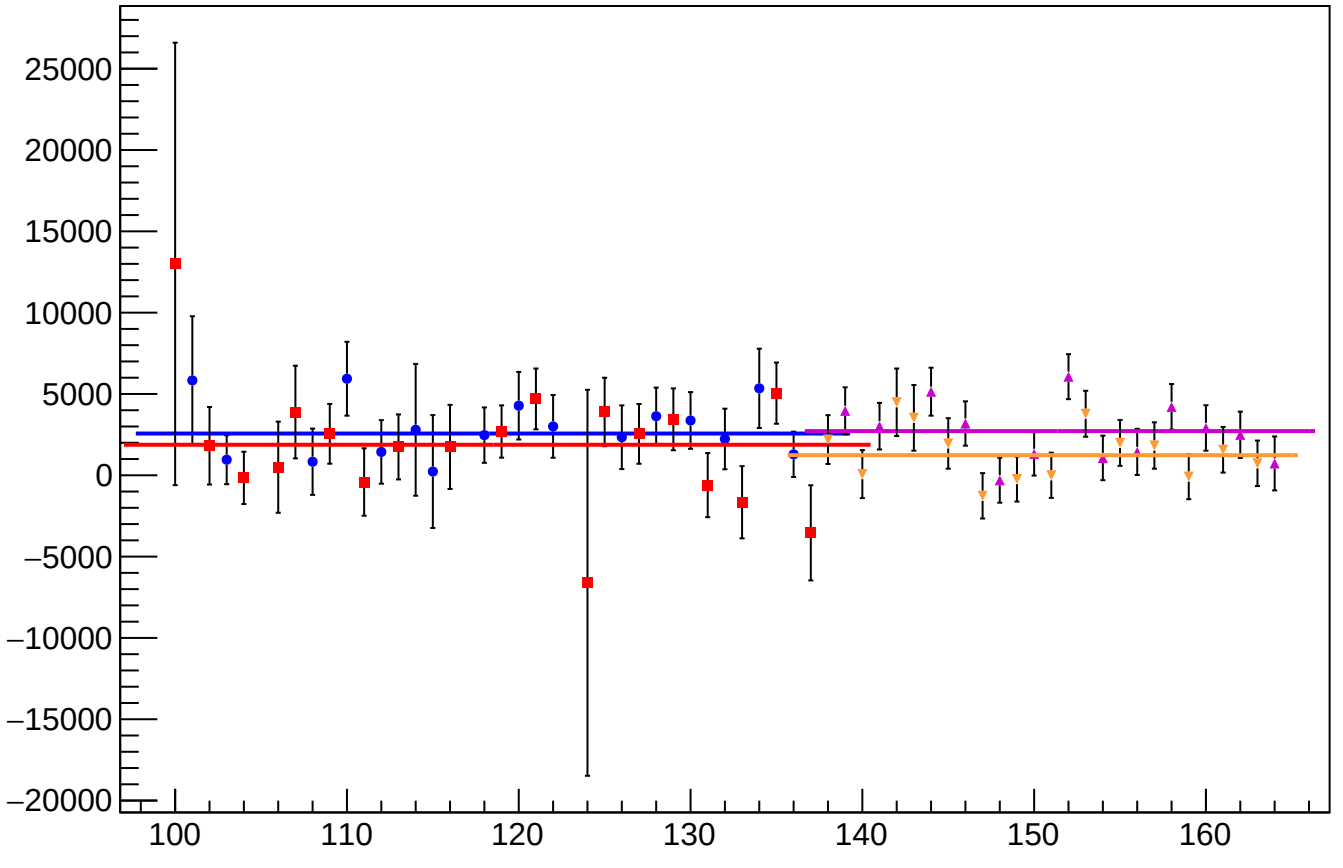
Left: 0.000+/-0.000 χ^2/NDF: 3823520.8/26

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3766306.7/28

Out: 0.000+/-0.000 χ^2/NDF:5079412.5/32

All: 0.000+/-0.000 χ^2/NDF: 9657677.9/61



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1235.851+/-395.907 χ^2/NDF:14.9/13

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2717.622+/-392.849 χ^2/NDF:20.2/12

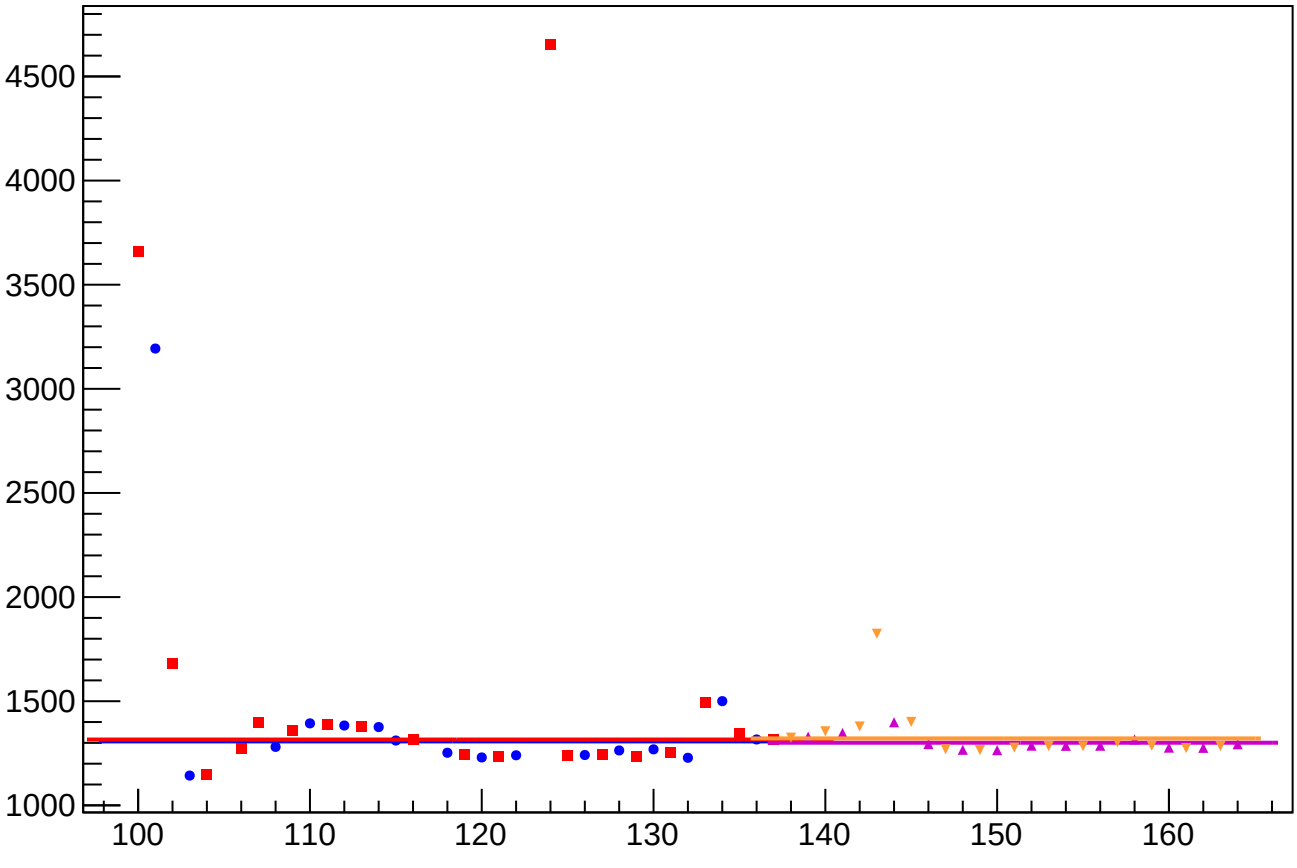
Left: 1982.481+/-278.861 χ^2/NDF: 42.2/26

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2659.644+/-307.804 χ^2/NDF:29.3/28

Out: 1486.559+/-309.111 χ^2/NDF:35.5/32

All: 2075.587+/-218.111 χ^2/NDF: 72.0/61



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1321.417+/-0.280 χ^2/NDF:147877.9/13

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1300.640+/-0.278 χ^2/NDF:16638.5/12

Left: 1310.948+/-0.197 χ^2/NDF: 167291.7/26

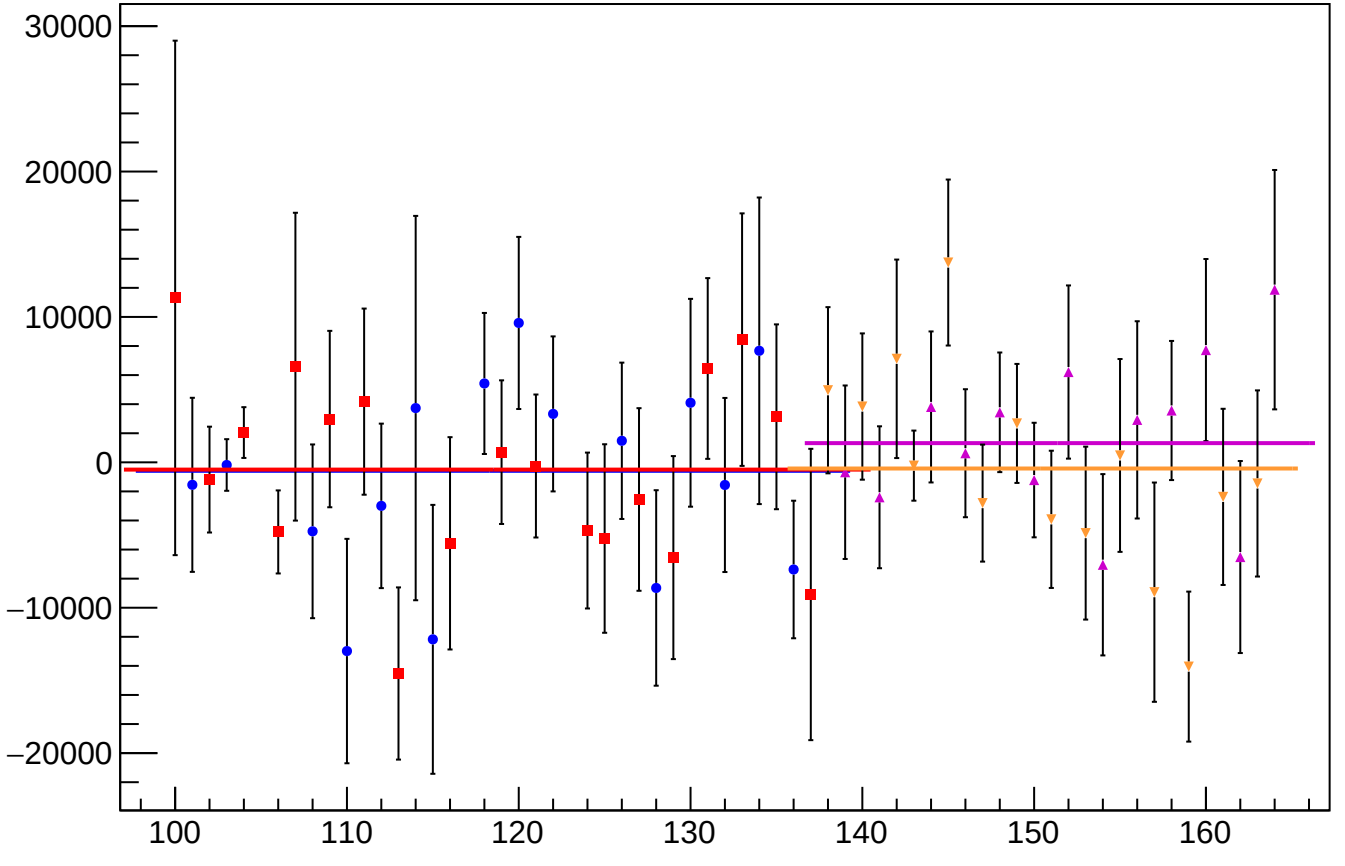
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1303.122+/-0.218 χ^2/NDF:533094.3/28

Out: 1319.295+/-0.218 χ^2/NDF:474444.6/32

All: 1311.183+/-0.154 χ^2/NDF: 1010290.7/61

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: -424.907+/-1271.494 χ^2/NDF:19.4/13

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 1321.061+/-1466.797 χ^2/NDF:8.5/12

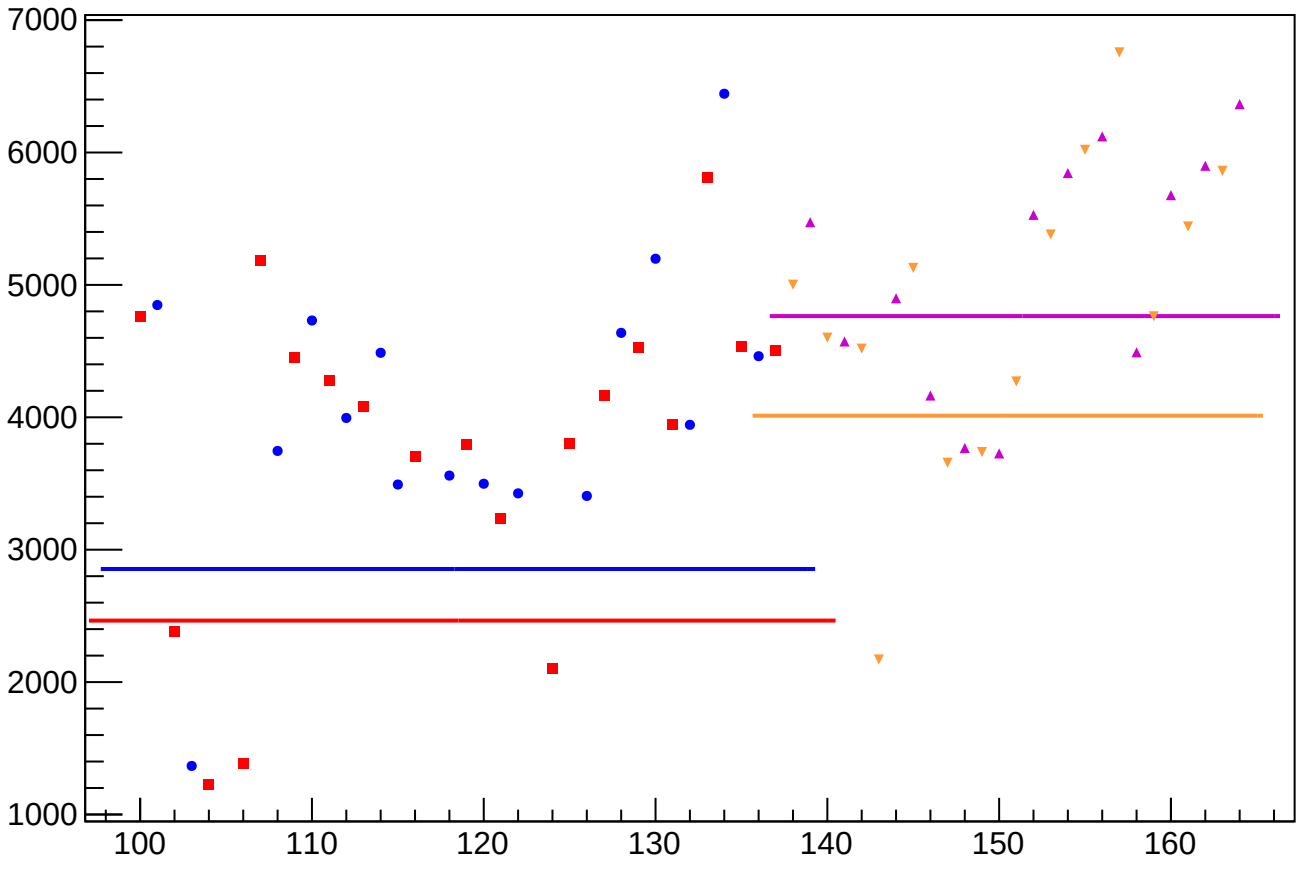
Left: 324.180+/-960.766 χ^2/NDF: 28.7/26

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: 175.706+/-925.460 χ^2/NDF:24.2/28

Out: -469.425+/-812.107 χ^2/NDF:37.1/32

All: -188.767+/-610.411 χ^2/NDF: 61.6/61



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4012.175+/-0.899 χ^2/NDF:2247461.9/13

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4764.473+/-1.037 χ^2/NDF:682820.8/12

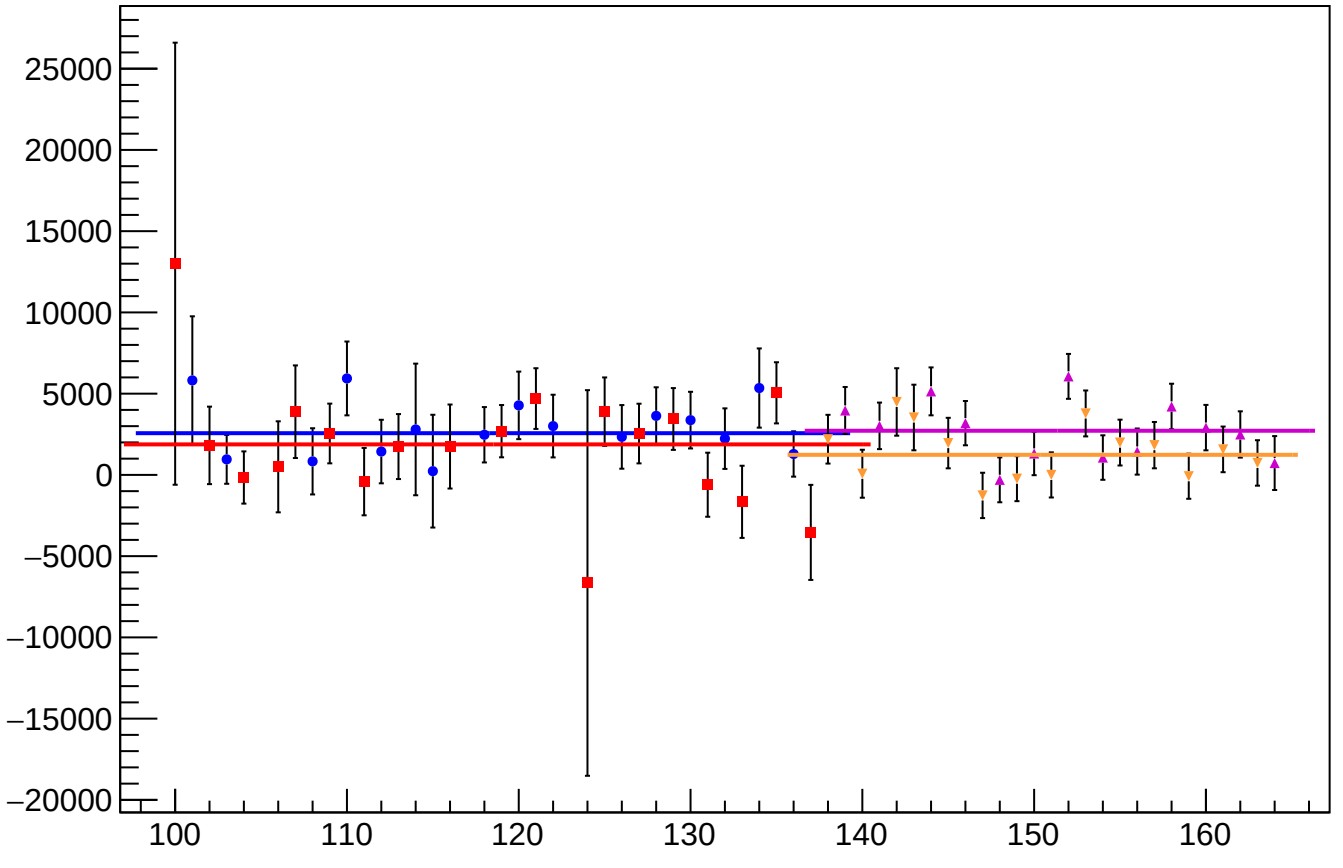
Left: 4334.939+/-0.679 χ^2/NDF: 3230667.4/26

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3614.711+/-0.654 χ^2/NDF:5629244.7/28

Out: 3095.916+/-0.574 χ^2/NDF:7357584.9/32

All: 3321.612+/-0.432 χ^2/NDF: 13341907.5/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1235.785+/-395.907 χ^2/NDF:14.9/13

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2717.705+/-392.849 χ^2/NDF:20.2/12

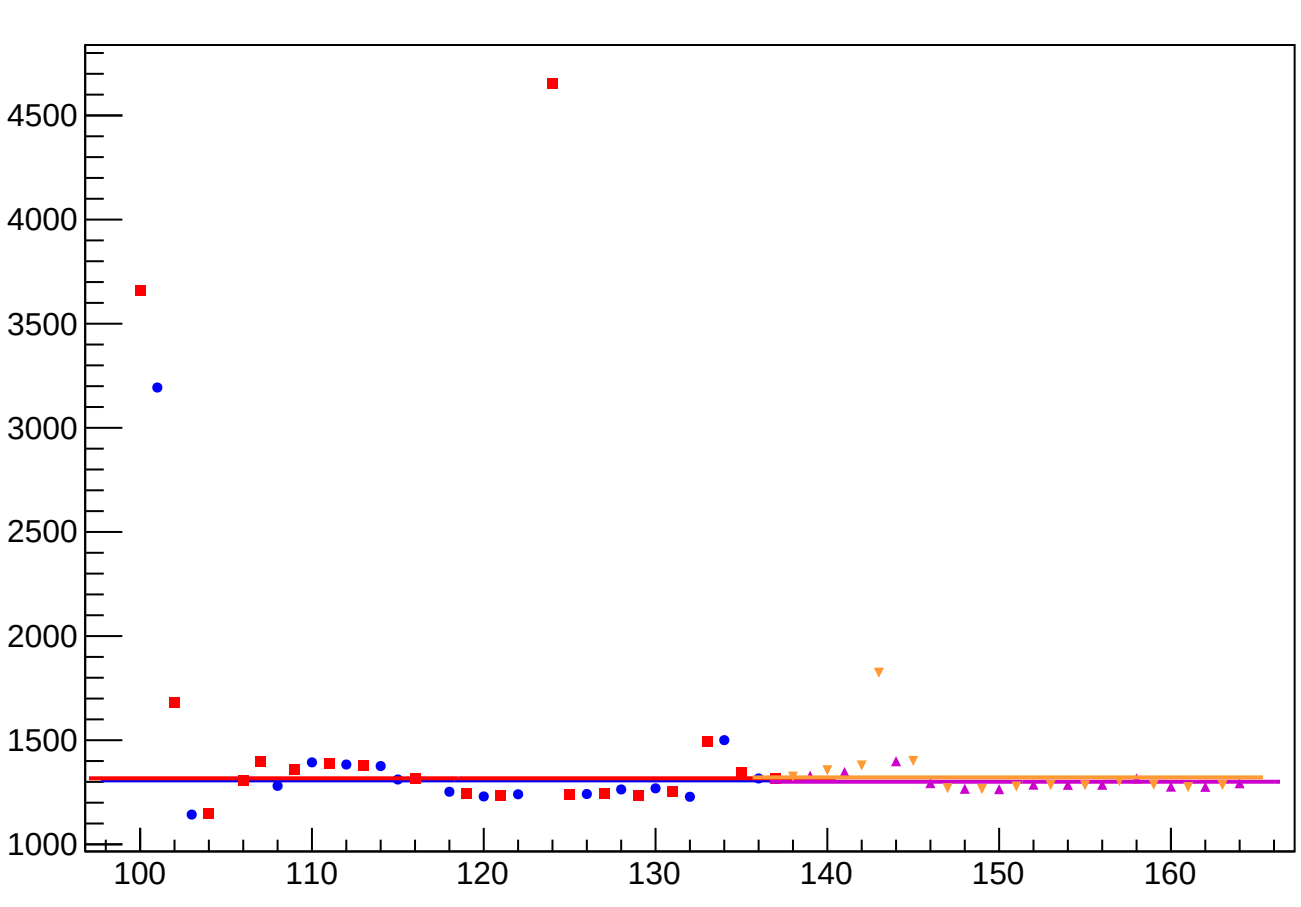
Left: 1982.490+/-278.861 χ^2/NDF: 42.2/26

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2659.588+/-307.804 χ^2/NDF:29.3/28

Out: 1486.419+/-309.111 χ^2/NDF:35.5/32

All: 2075.489+/-218.111 χ^2/NDF: 72.0/61



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1321.417+/-0.280 χ^2/NDF:147877.9/13

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1300.640+/-0.278 χ^2/NDF:16638.5/12

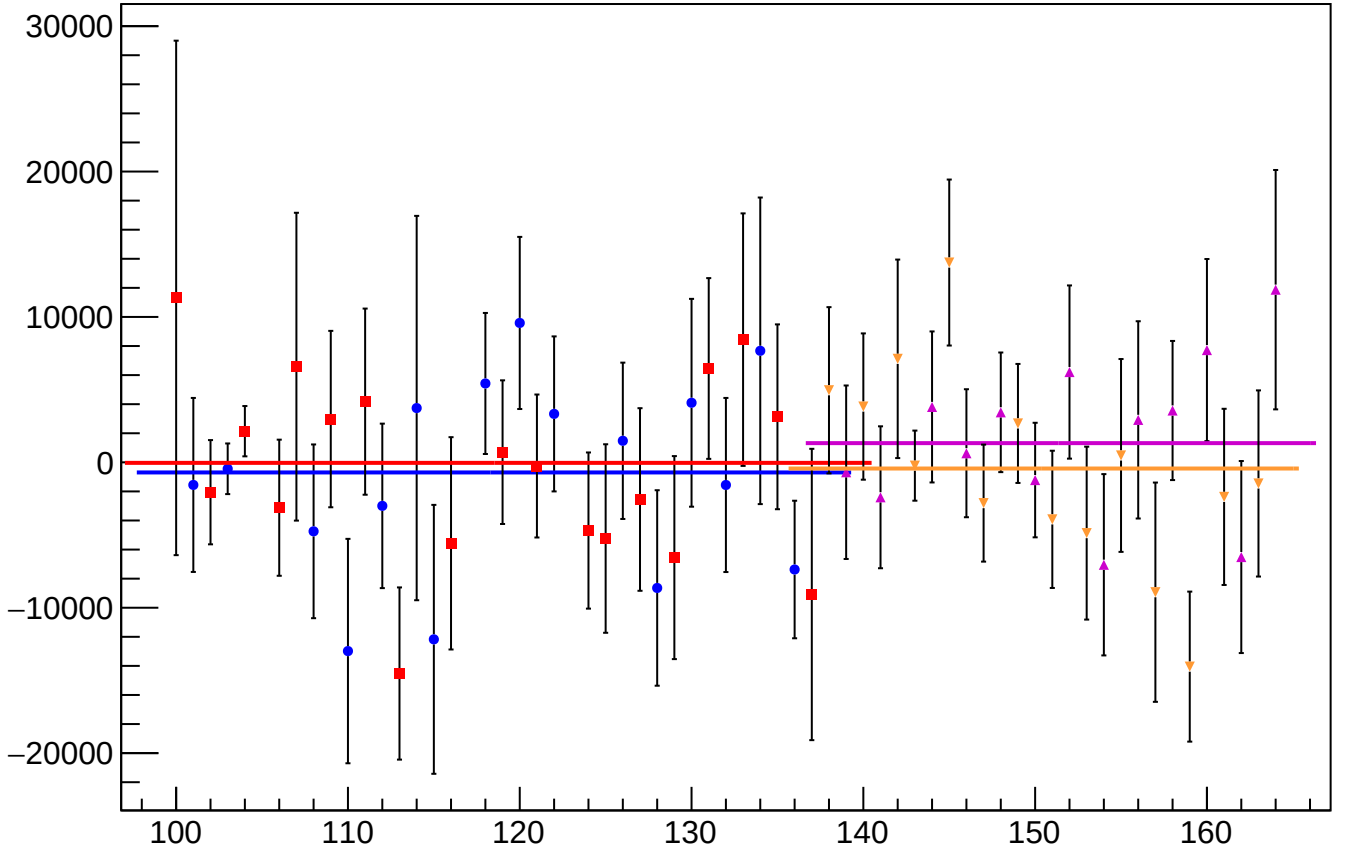
Left: 1310.948+/-0.197 χ^2/NDF: 167291.7/26

Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1303.122+/-0.218 χ^2/NDF:533095.8/28

Out: 1319.738+/-0.218 χ^2/NDF:473896.5/32

All: 1311.401+/-0.154 χ^2/NDF: 1009896.4/61



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -424.922+/-1271.489 χ^2/NDF:19.4/13

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1321.154+/-1466.797 χ^2/NDF:8.5/12

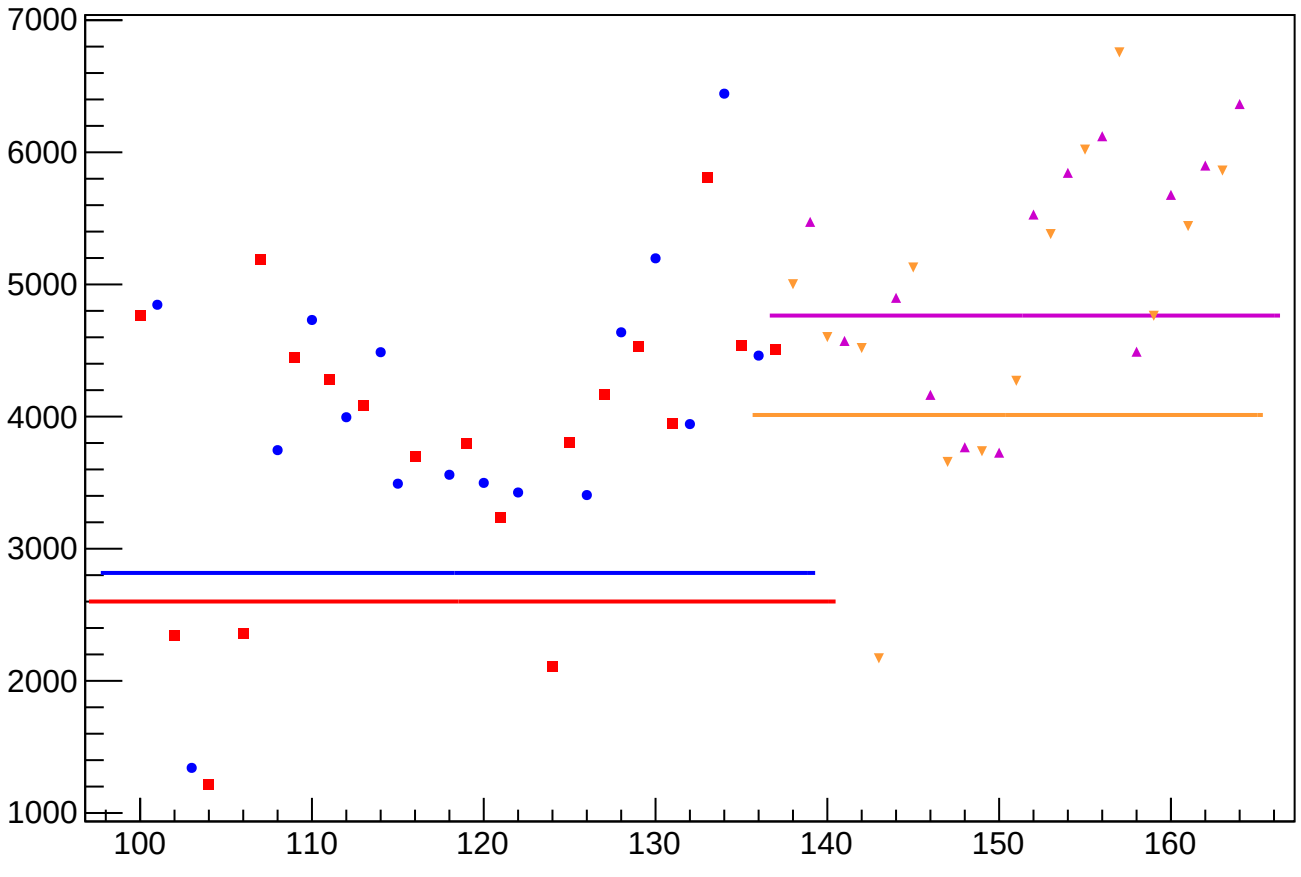
Left: 324.208+/-960.764 χ^2/NDF: 28.7/26

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: 98.980+/-920.564 χ^2/NDF:24.3/28

Out: -202.238+/-831.115 χ^2/NDF:35.4/32

All: -66.971+/-616.893 χ^2/NDF: 59.8/61



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4012.152+/-0.899 χ^2/NDF:2247534.5/13

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4764.473+/-1.037 χ^2/NDF:682826.9/12

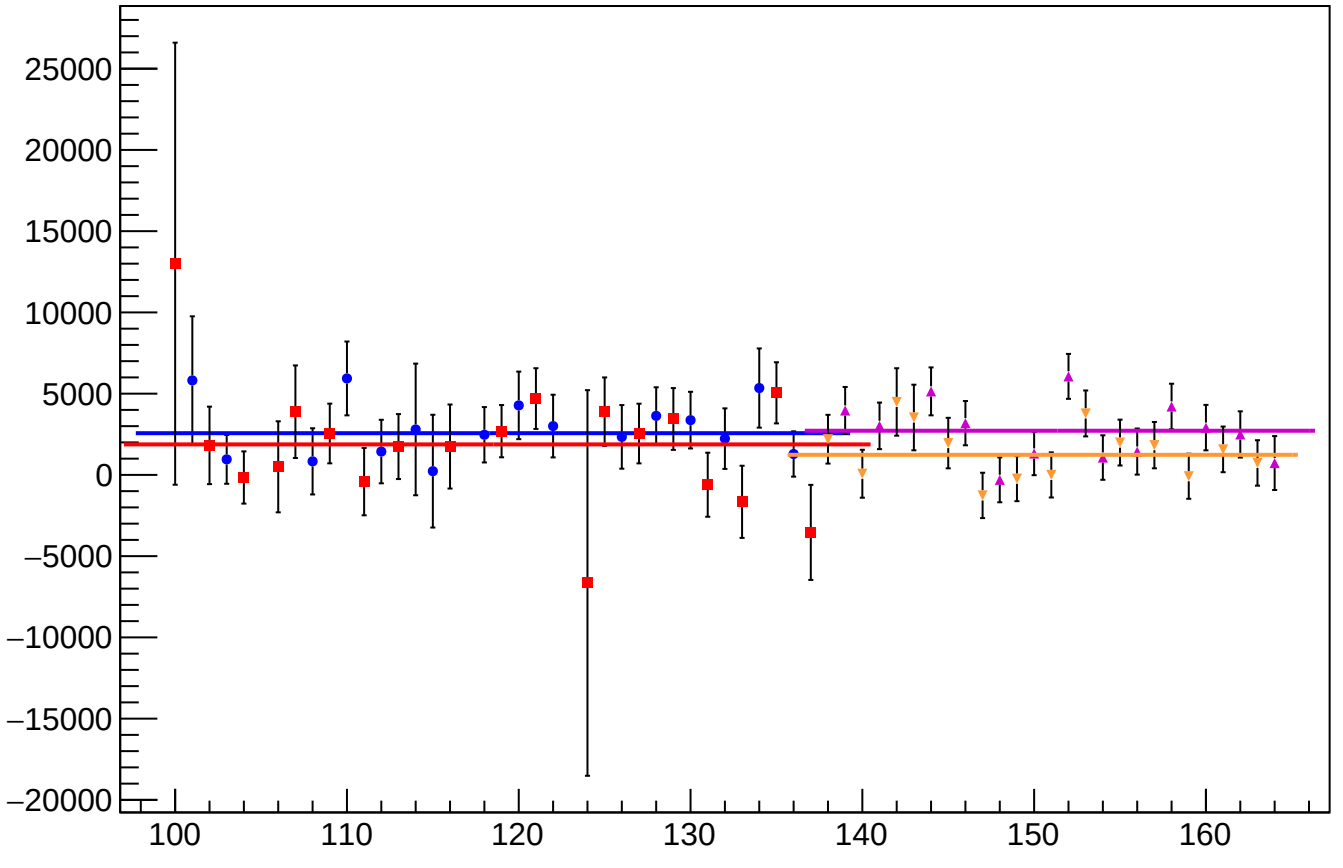
Left: 4334.925+/-0.679 χ^2/NDF: 3230764.6/26

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3583.948+/-0.651 χ^2/NDF:5827792.4/28

Out: 3203.663+/-0.588 χ^2/NDF:6740191.1/32

All: 3374.437+/-0.436 χ^2/NDF: 12756018.0/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1235.785+/-395.907 χ^2/NDF:14.9/13

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2717.705+/-392.849 χ^2/NDF:20.2/12

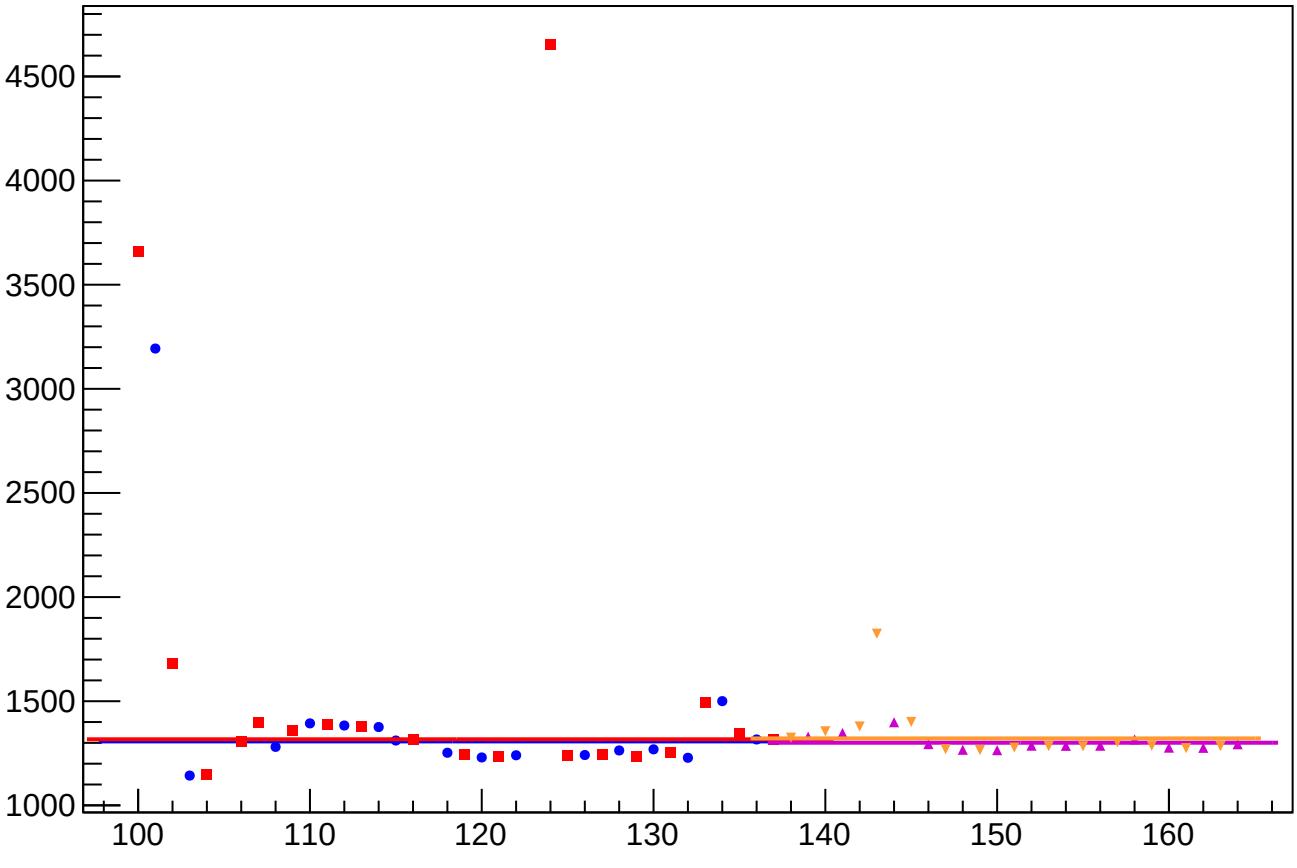
Left: 1982.490+/-278.861 χ^2/NDF: 42.2/26

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2659.588+/-307.804 χ^2/NDF:29.3/28

Out: 1486.419+/-309.111 χ^2/NDF:35.5/32

All: 2075.489+/-218.111 χ^2/NDF: 72.0/61



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1321.417+/-0.280 χ^2/NDF:147877.9/13

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1300.640+/-0.278 χ^2/NDF:16638.5/12

Left: 1310.948+/-0.197 χ^2/NDF: 167291.7/26

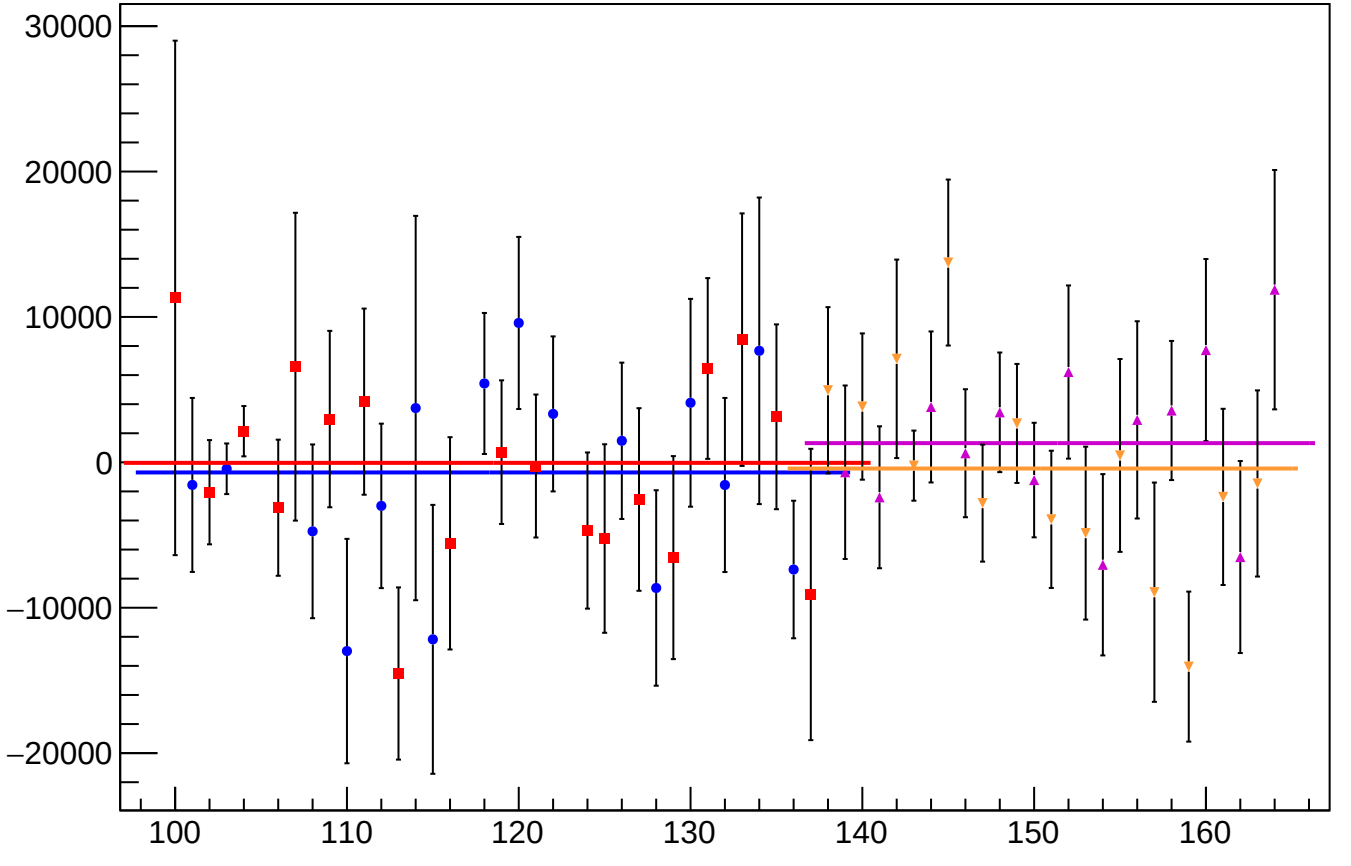
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1303.122+/-0.218 χ^2/NDF:533095.8/28

Out: 1319.738+/-0.218 χ^2/NDF:473896.5/32

All: 1311.401+/-0.154 χ^2/NDF: 1009896.4/61

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: -424.922+/-1271.489 χ^2/NDF:19.4/13

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1321.154+/-1466.797 χ^2/NDF:8.5/12

Left: 324.208+/-960.764 χ^2/NDF: 28.7/26

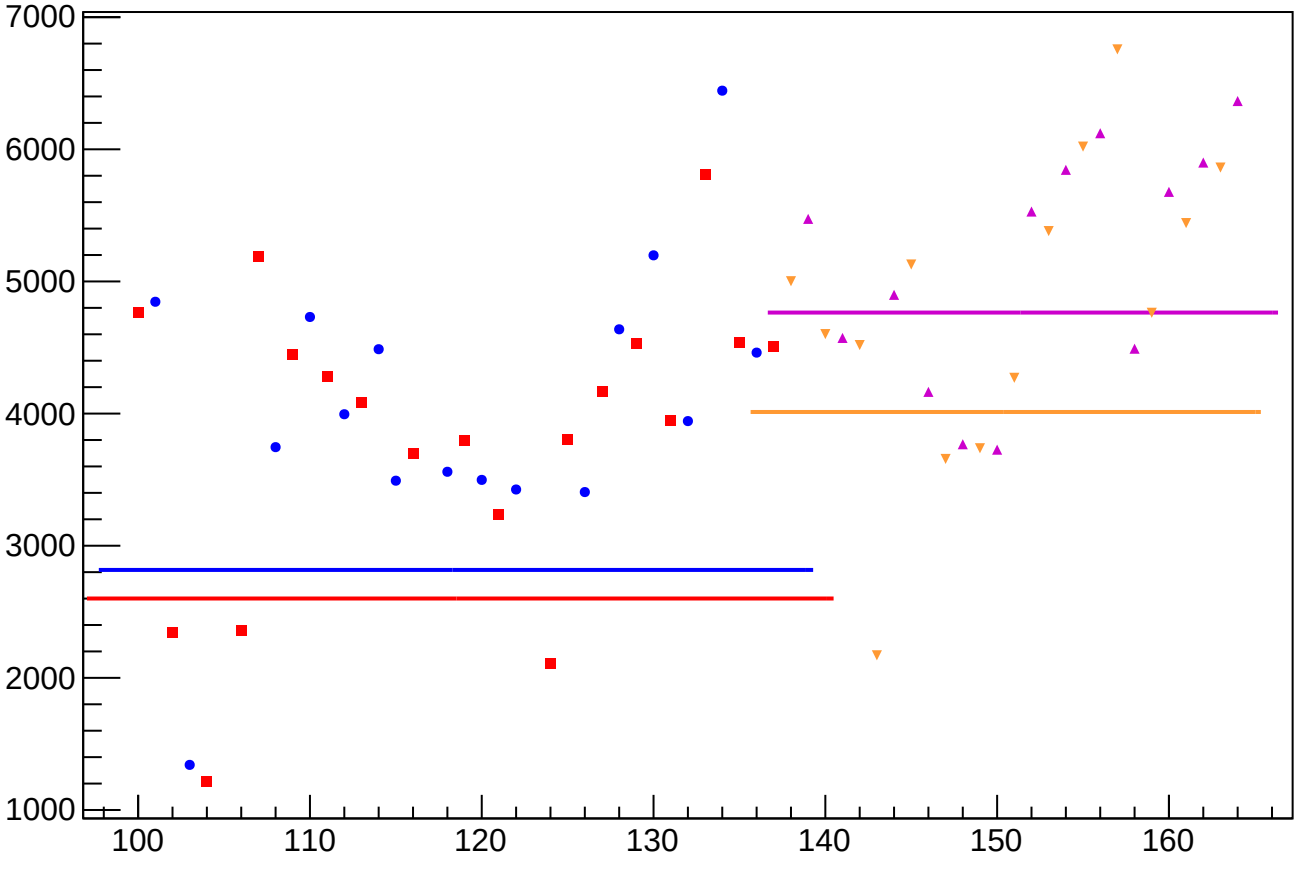
Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: 98.980+/-920.564 χ^2/NDF:24.3/28

Out: -202.238+/-831.115 χ^2/NDF:35.4/32

All: -66.971+/-616.893 χ^2/NDF: 59.8/61

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4012.152+/-0.899 χ^2/NDF:2247534.5/13

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4764.473+/-1.037 χ^2/NDF:682826.9/12

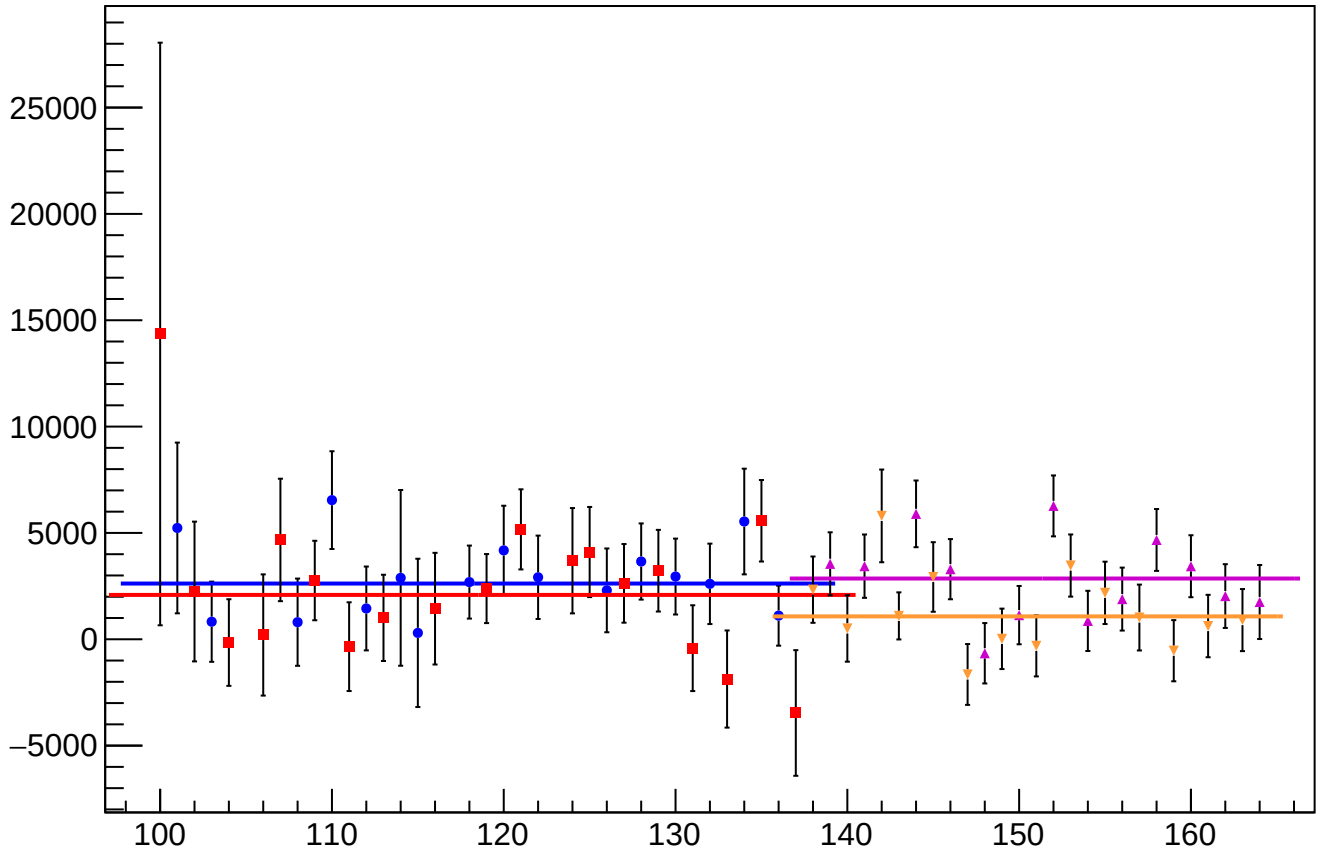
Left: 4334.925+/-0.679 χ^2/NDF: 3230764.6/26

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3583.948+/-0.651 χ^2/NDF:5827792.4/28

Out: 3203.663+/-0.588 χ^2/NDF:6740191.1/32

All: 3374.437+/-0.436 χ^2/NDF: 12756018.0/6



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1076.459+/-393.483 χ^2/NDF:16.5/13

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2856.400+/-408.125 χ^2/NDF:22.4/12

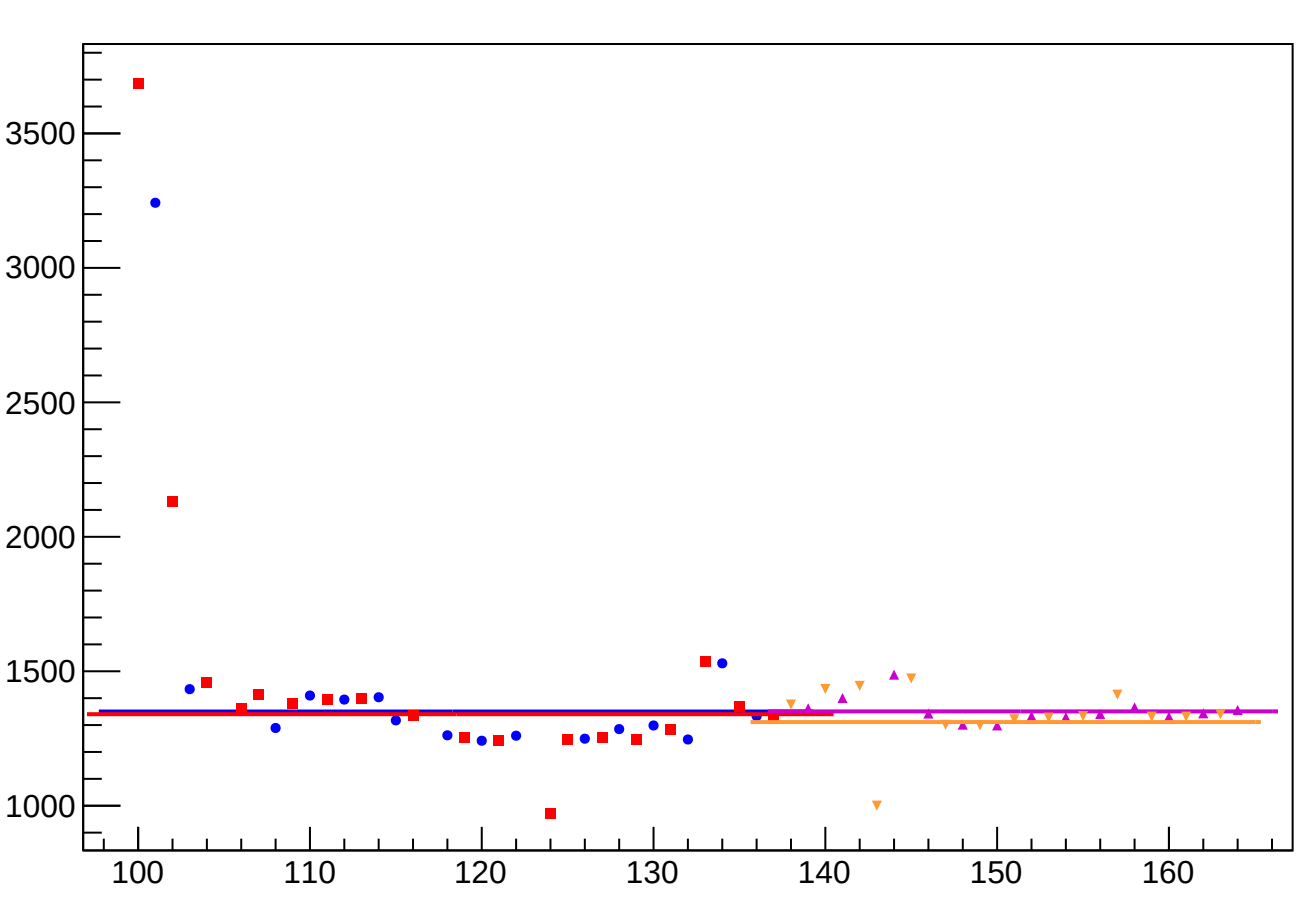
Left: 1933.929+/-283.269 χ^2/NDF: 48.8/26

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2764.652+/-319.021 χ^2/NDF:31.9/28

Out: 1457.800+/-310.357 χ^2/NDF:39.9/32

All: 2093.239+/-222.456 χ^2/NDF: 80.5/61



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1311.133+/-0.278 χ^2/NDF:212085.4/13

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1350.809+/-0.289 χ^2/NDF:24400.2/12

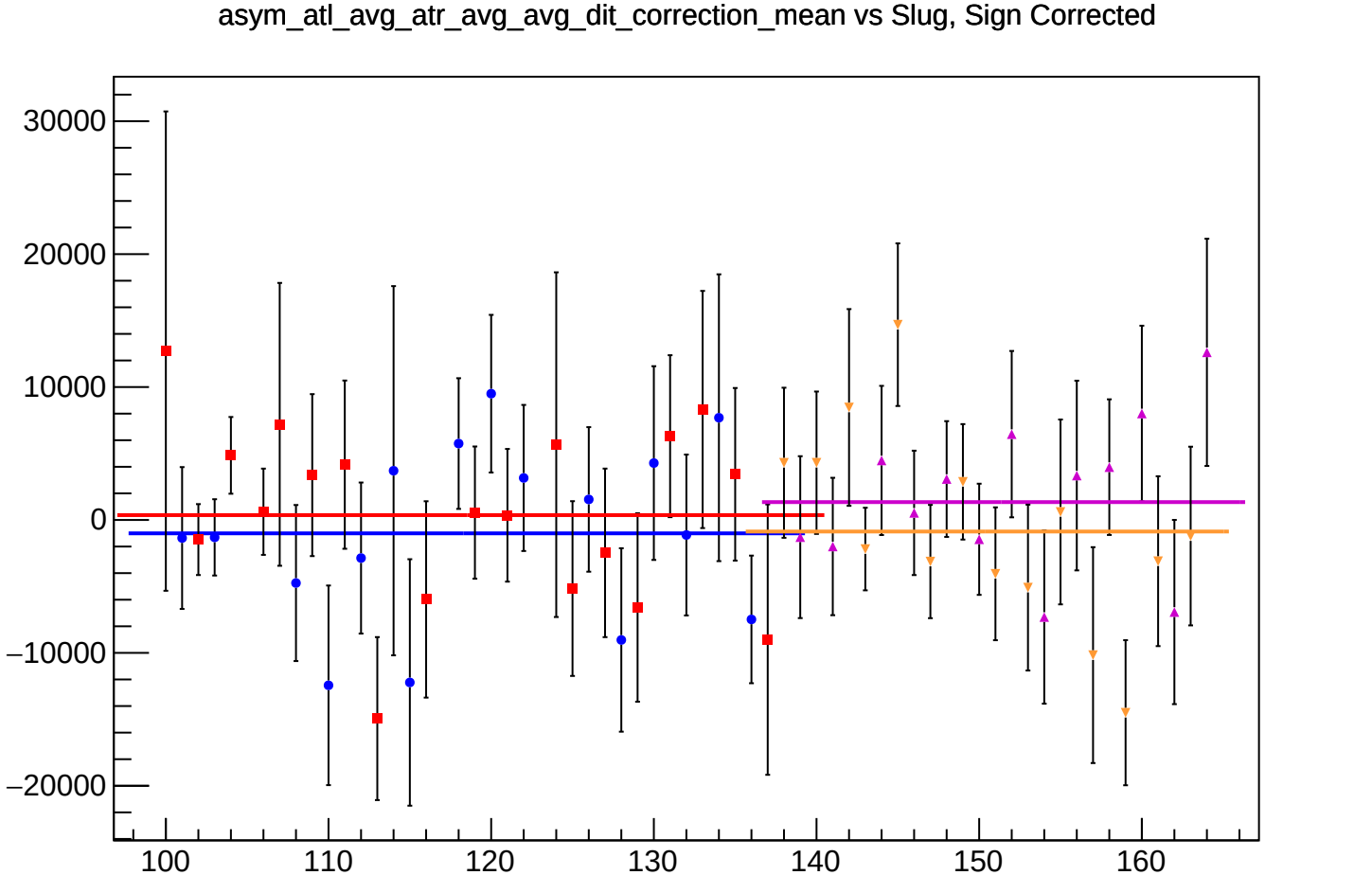
Left: 1330.247+/-0.200 χ^2/NDF: 246281.2/26

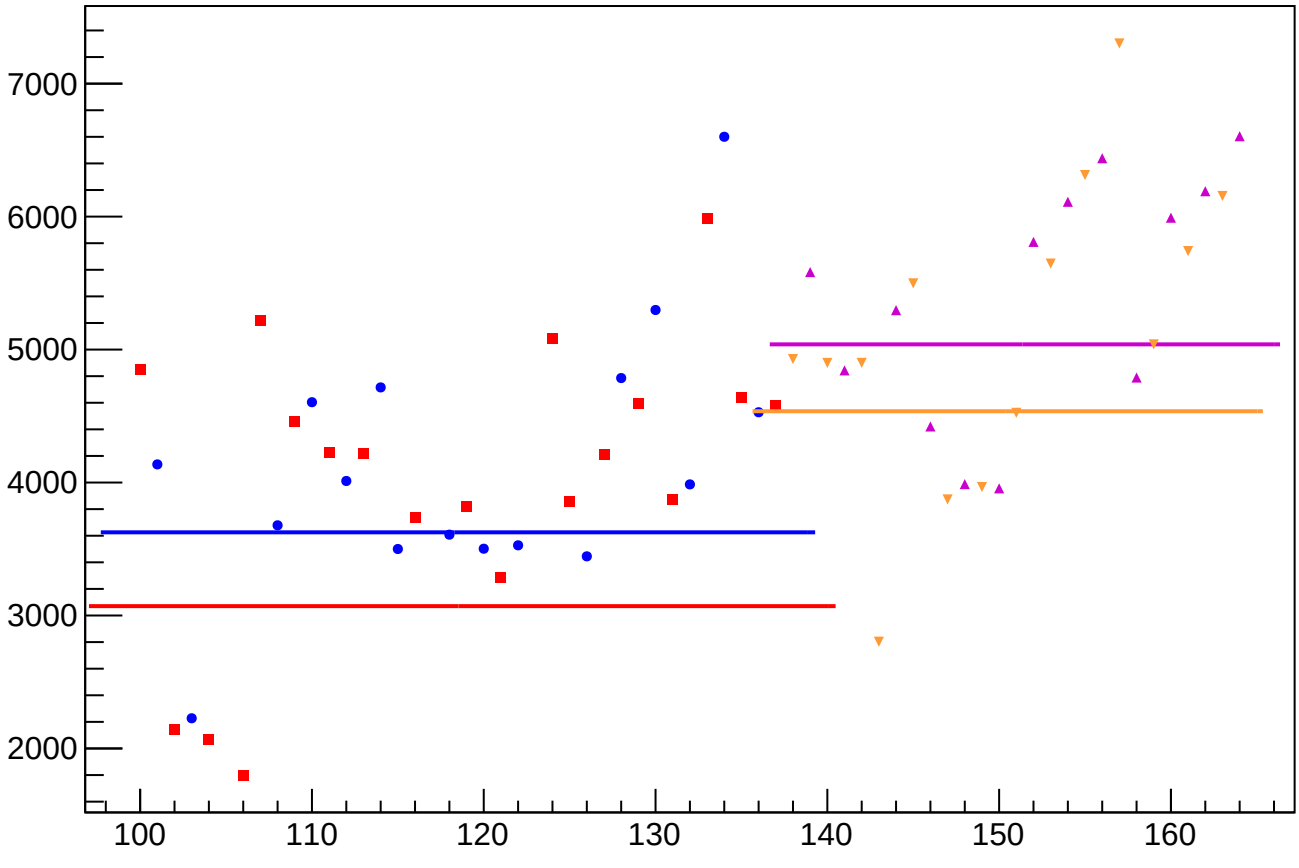
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

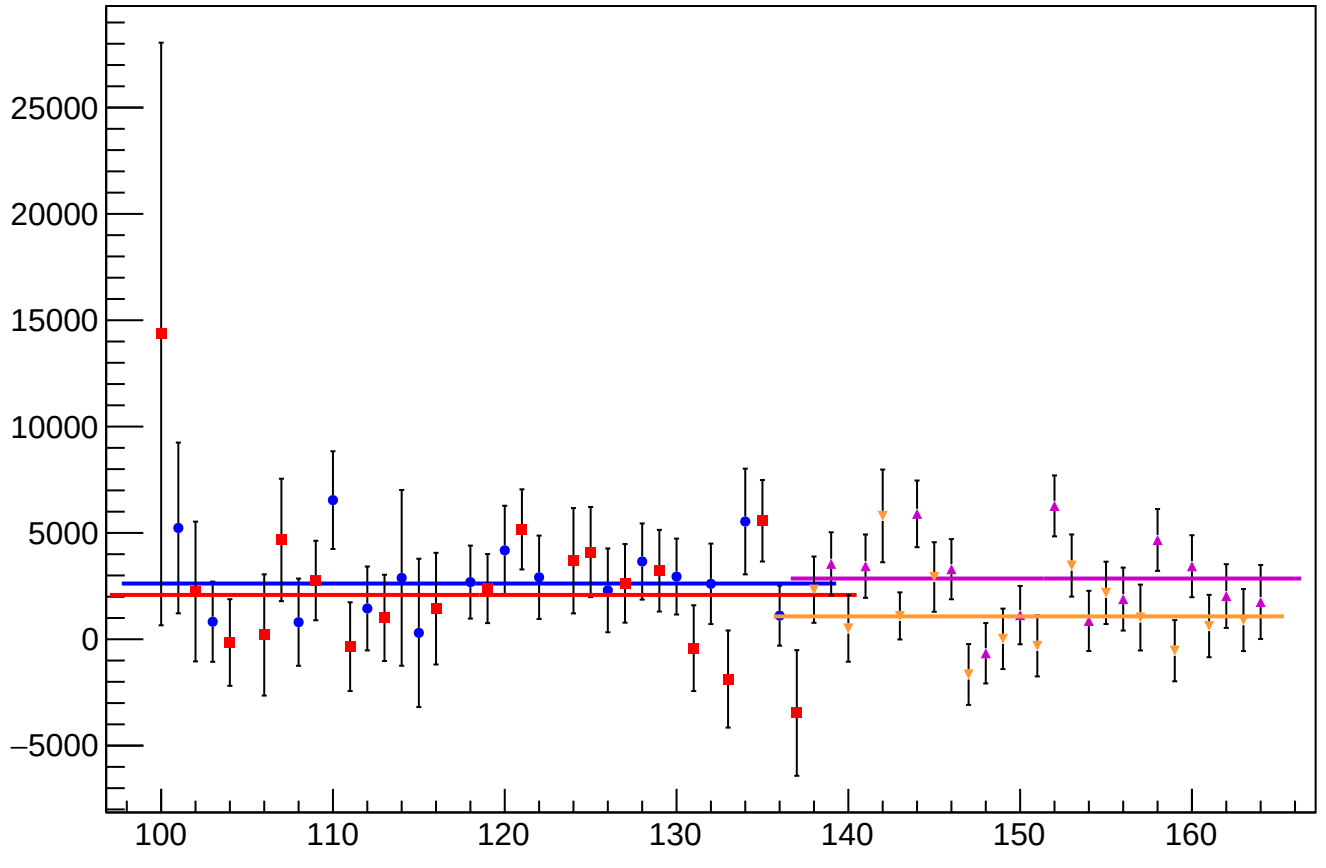
In: 1350.638+/-0.226 χ^2/NDF:518452.2/28

Out: 1322.212+/-0.219 χ^2/NDF:488461.4/32

All: 1336.030+/-0.157 χ^2/NDF: 1015073.2/61


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
160
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -869.658+/-1407.662 χ²/NDF:19.6/13
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 1343.239+/-1549.867 χ²/NDF:8.5/12
Left: 130.634+/-1042.023 χ²/NDF: 29.2/26
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: 52.859+/-1040.721 χ²/NDF:24.4/28
Out: -156.172+/-914.309 χ²/NDF:36.3/32
All: -65.116+/-686.883 χ²/NDF: 60.7/61


asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3625.512+/-0.993 χ²/NDF: 944905.4/15
Left Out: 4536.144+/-0.995 χ²/NDF:1408614.4/13
Right Out: 3070.442+/-0.850 χ²/NDF: 1838659.1/18
Left In: 5039.241+/-1.096 χ²/NDF:638611.5/12
Left: 4763.559+/-0.737 χ²/NDF: 2162705.0/26
Right: 3305.233+/-0.646 χ²/NDF: 2963820.1/34
In: 4262.963+/-0.736 χ²/NDF:2497262.8/28
Out: 3688.794+/-0.647 χ²/NDF:4500824.8/32
All: 3938.907+/-0.486 χ²/NDF: 7341661.7/61



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1076.452+/-393.483 χ^2/NDF:16.5/13

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2856.401+/-408.125 χ^2/NDF:22.4/12

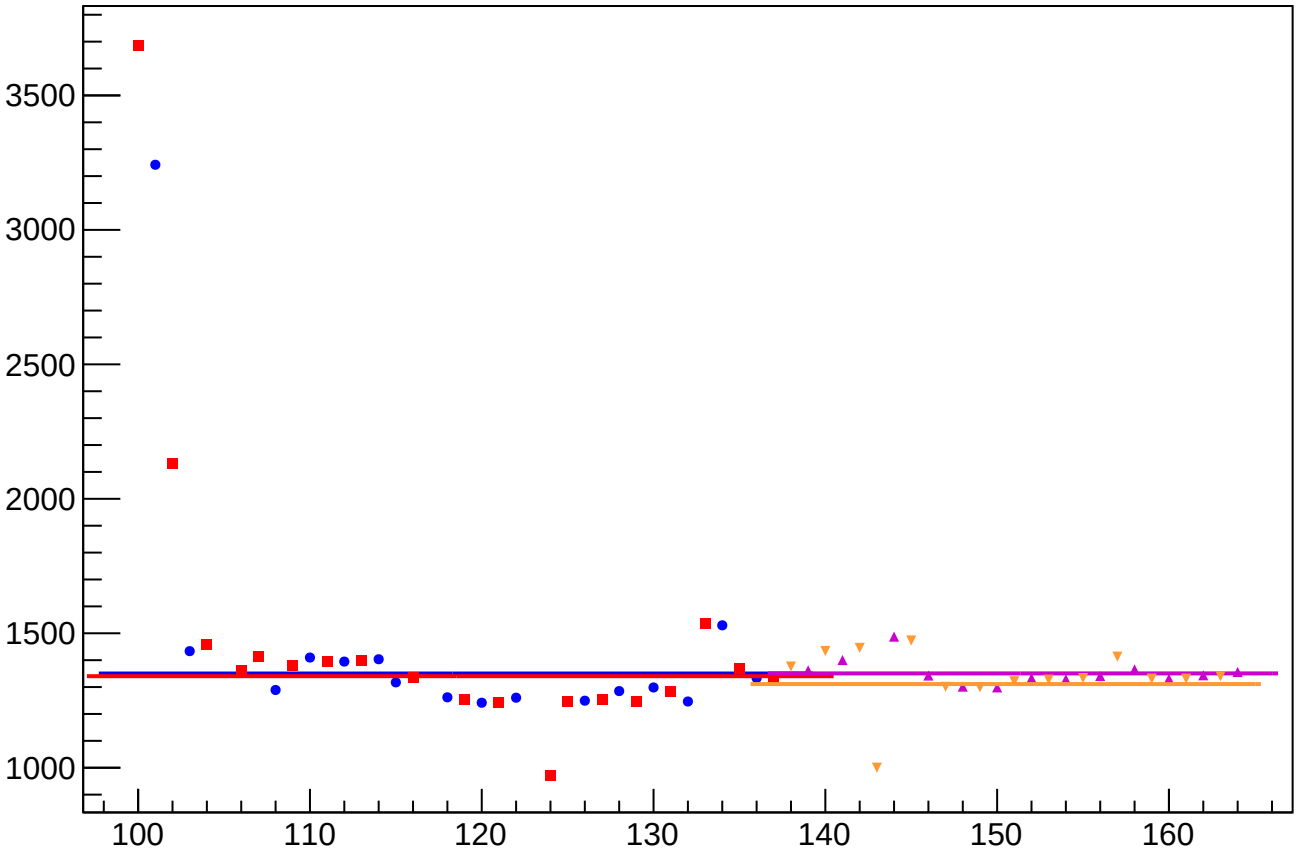
Left: 1933.926+/-283.270 χ^2/NDF: 48.8/26

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2764.653+/-319.021 χ^2/NDF:31.9/28

Out: 1457.797+/-310.357 χ^2/NDF:39.9/32

All: 2093.238+/-222.456 χ^2/NDF: 80.5/61



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1311.135+/-0.278 χ^2/NDF:212086.0/13

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1350.810+/-0.289 χ^2/NDF:24400.4/12

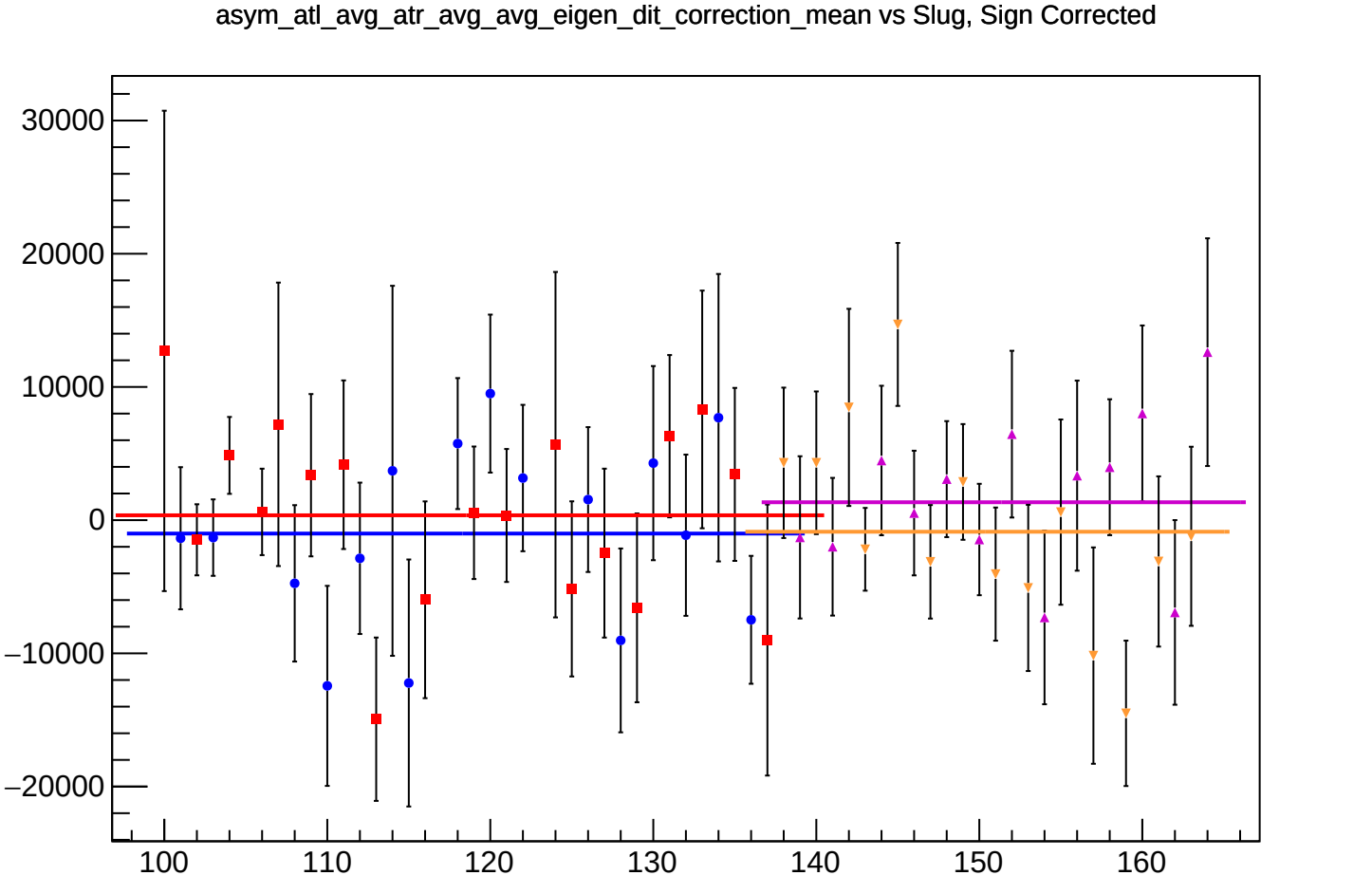
Left: 1330.248+/-0.200 χ^2/NDF: 246282.1/26

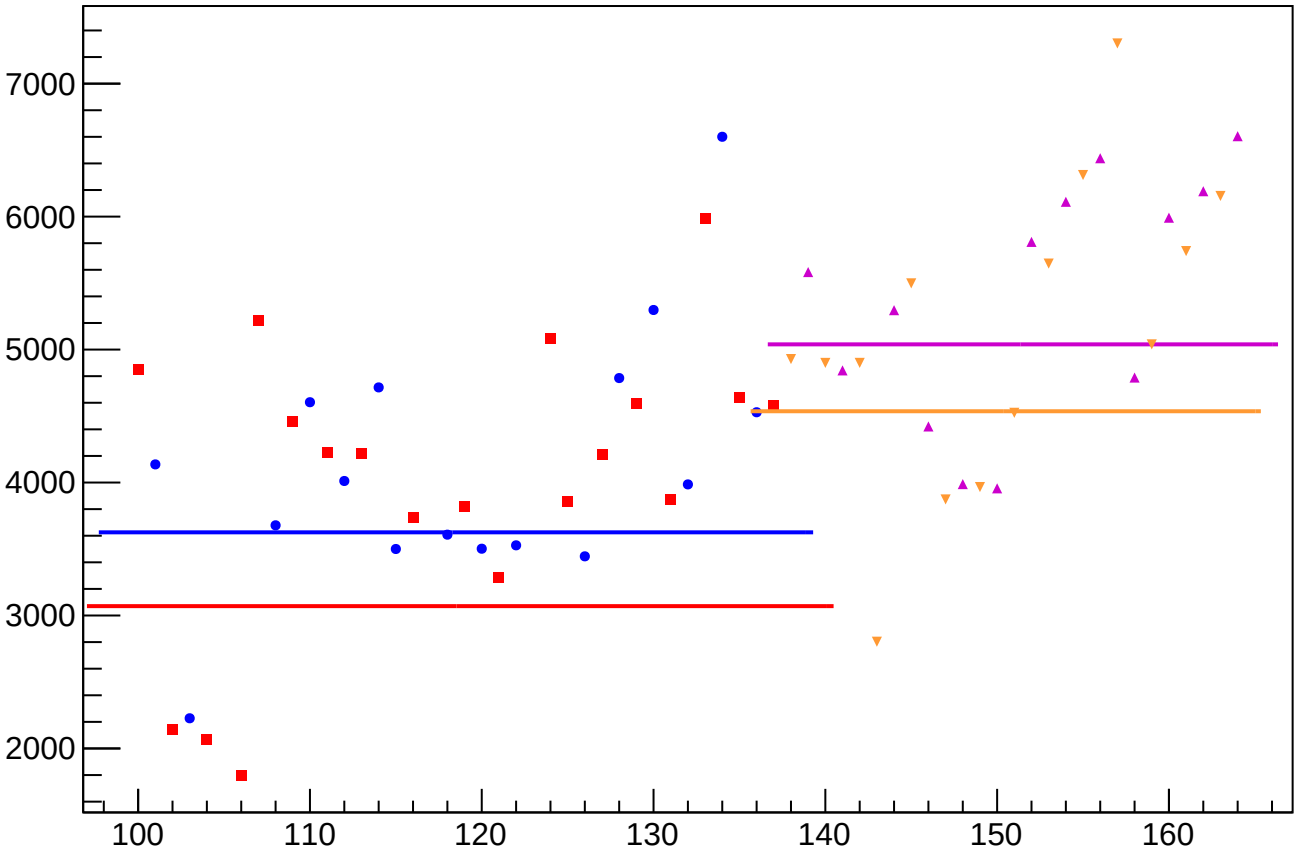
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1350.638+/-0.226 χ^2/NDF:518452.5/28

Out: 1322.213+/-0.219 χ^2/NDF:488460.5/32

All: 1336.031+/-0.157 χ^2/NDF: 1015072.7/61


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
160
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -869.664+/-1407.664 χ²/NDF:19.6/13
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 1343.237+/-1549.869 χ²/NDF:8.5/12
Left: 130.631+/-1042.024 χ²/NDF: 29.2/26
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: 52.859+/-1040.721 χ²/NDF:24.4/28
Out: -156.171+/-914.309 χ²/NDF:36.3/32
All: -65.115+/-686.883 χ²/NDF: 60.7/61



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4536.151+/-0.995 χ^2/NDF:1408614.5/13

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5039.248+/-1.096 χ^2/NDF:638613.1/12

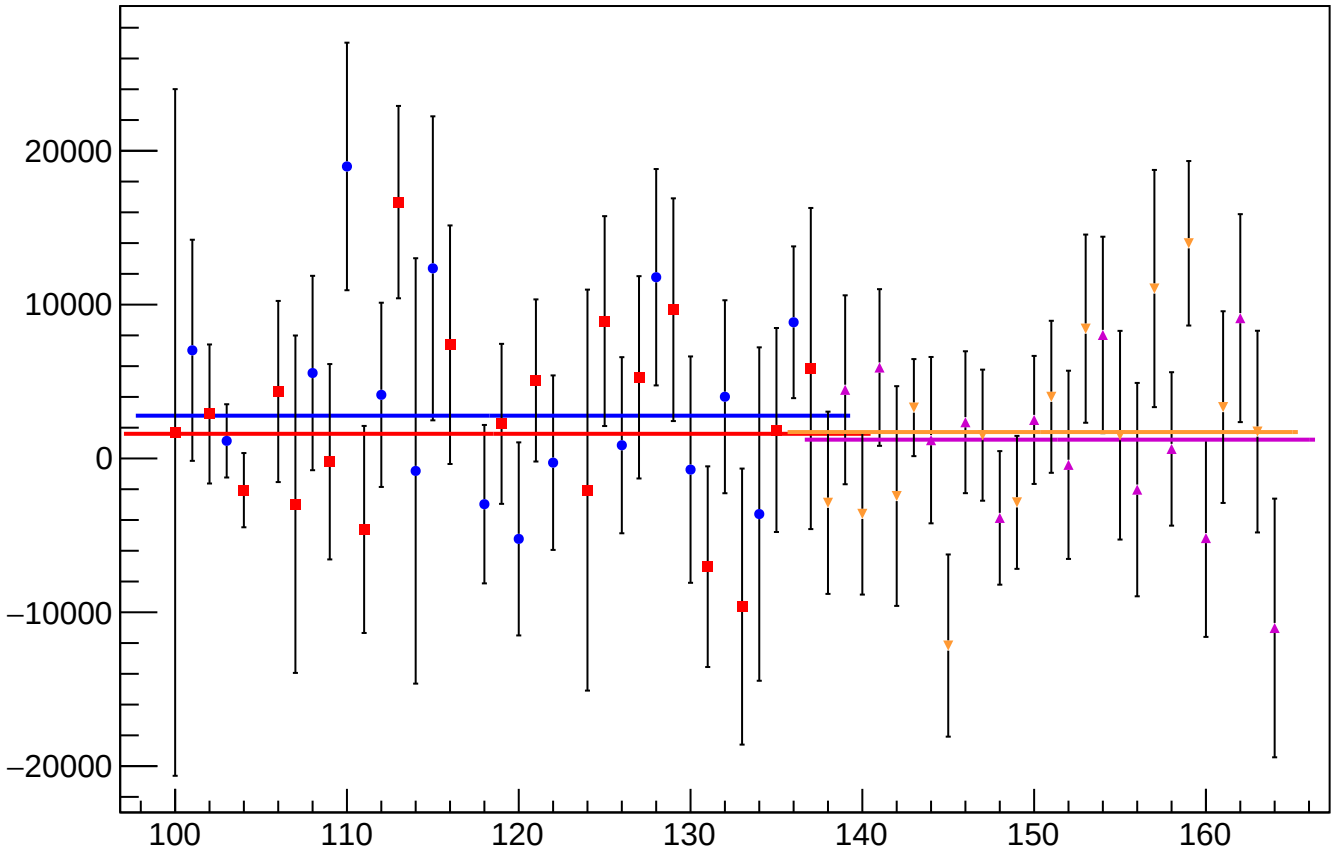
Left: 4763.565+/-0.737 χ^2/NDF: 2162706.5/26

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4262.958+/-0.736 χ^2/NDF:2497287.6/28

Out: 3688.789+/-0.647 χ^2/NDF:4500854.6/32

All: 3938.902+/-0.486 χ^2/NDF: 7341717.4/61



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1716.380+/-1397.178 χ^2/NDF:17.1/13

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1221.358+/-1525.778 χ^2/NDF:8.6/12

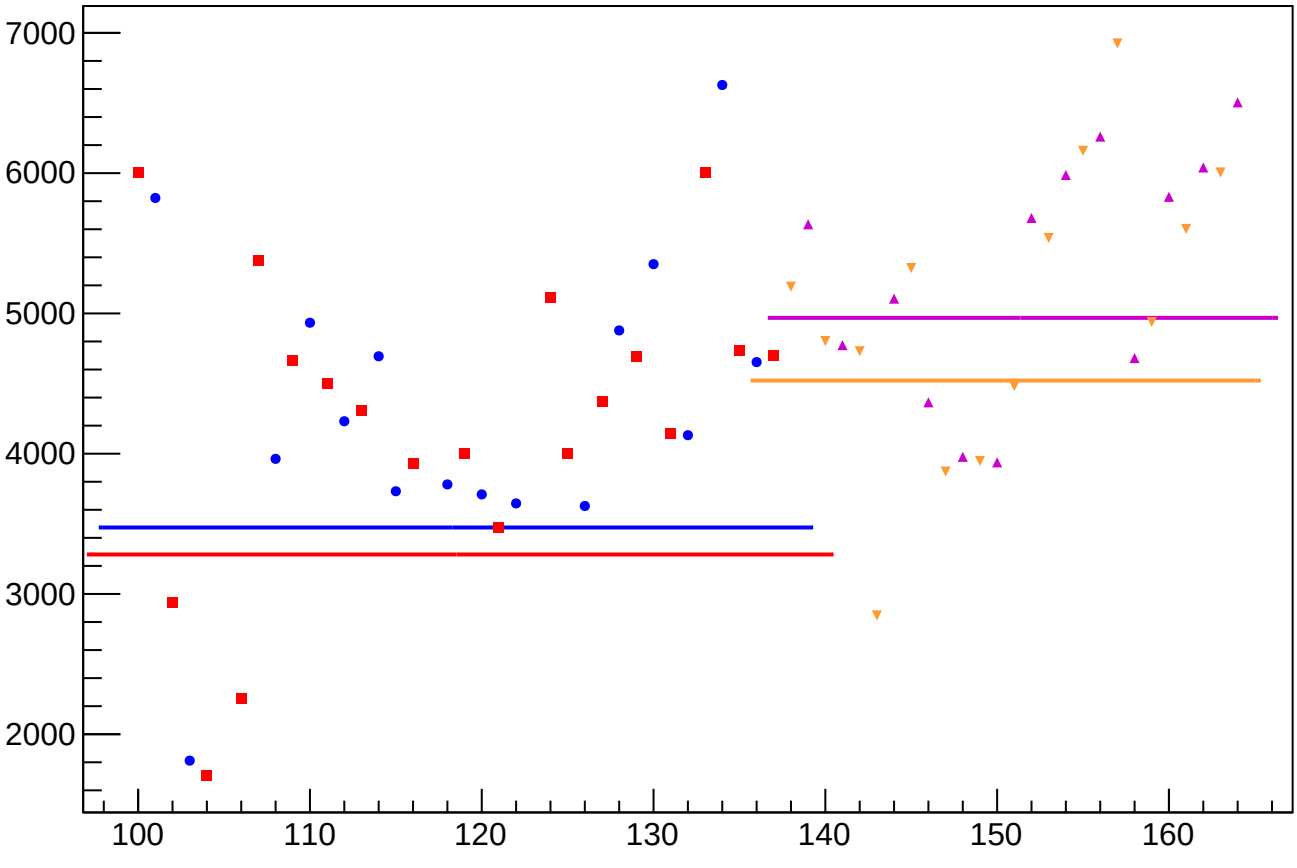
Left: 1490.606+/-1030.424 χ^2/NDF: 25.7/26

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2073.894+/-1027.308 χ^2/NDF:22.3/28

Out: 1657.001+/-965.982 χ^2/NDF:33.9/32

All: 1852.634+/-703.735 χ^2/NDF: 56.3/61



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4521.490+/-0.988 χ^2/NDF:1255737.6/13

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 4968.392+/-1.079 χ^2/NDF:595779.3/12

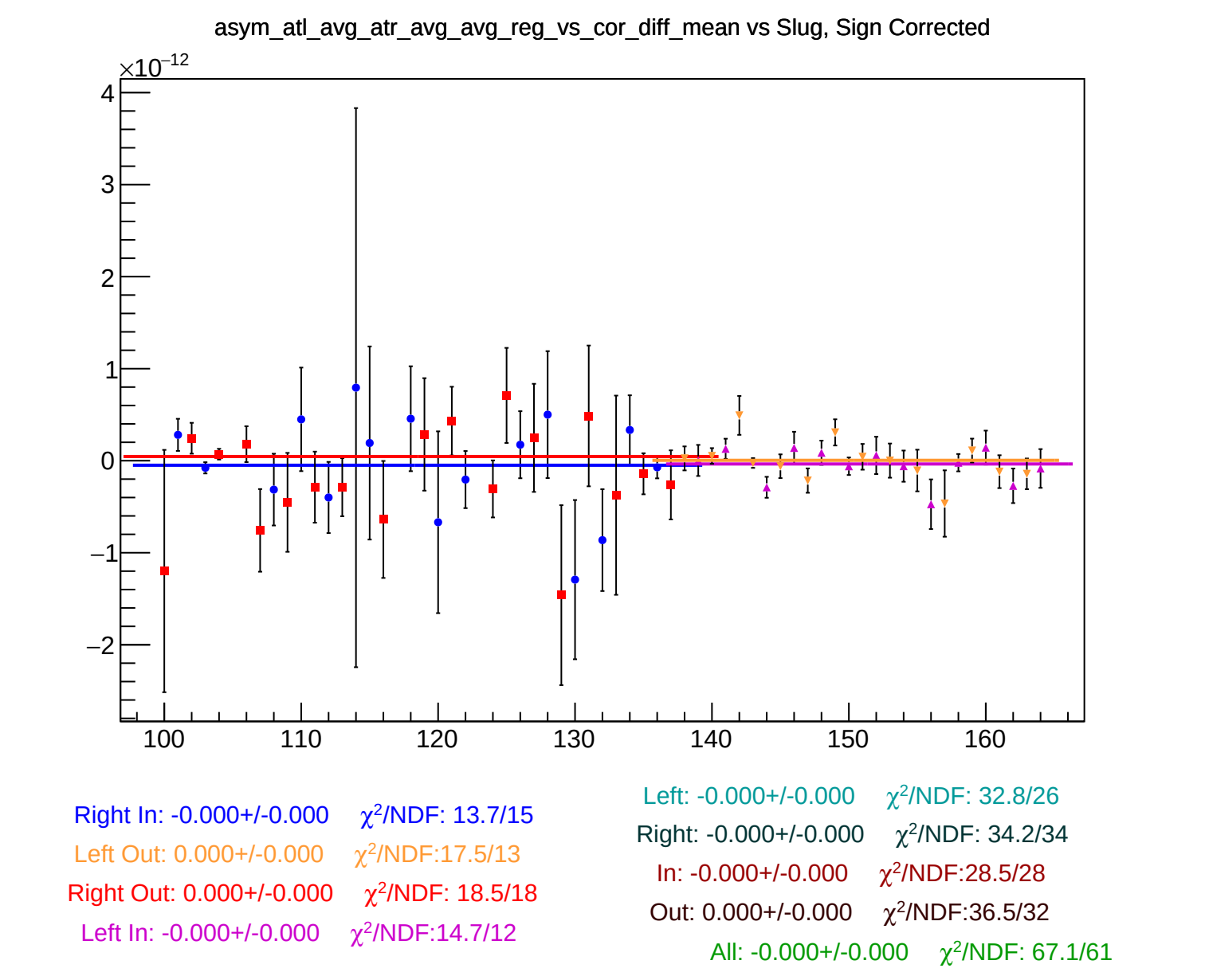
Left: 4725.317+/-0.729 χ^2/NDF: 1944842.7/26

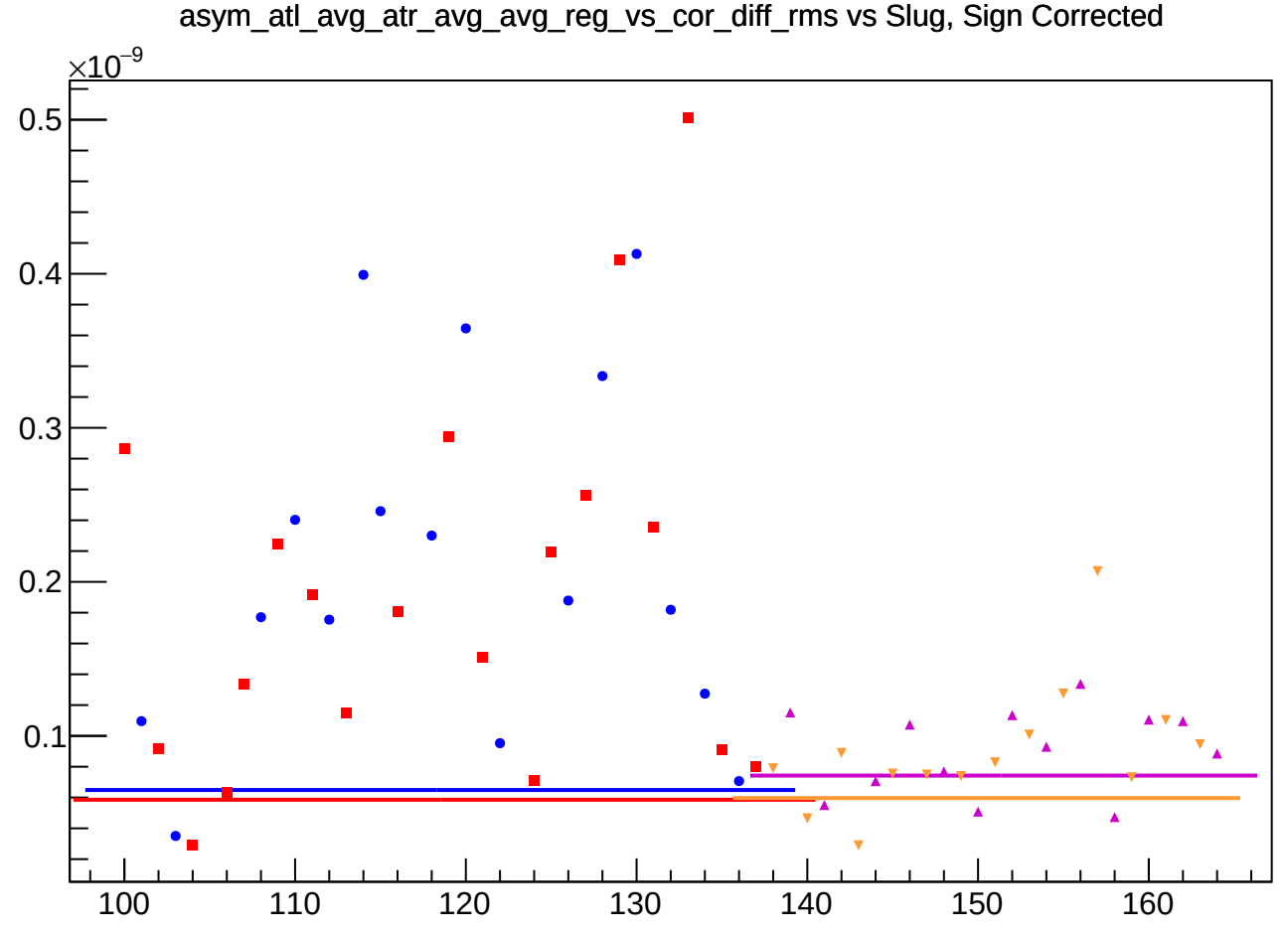
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4151.397+/-0.726 χ^2/NDF:3488708.3/28

Out: 3865.704+/-0.678 χ^2/NDF:3964364.7/32

All: 3998.741+/-0.496 χ^2/NDF: 7535723.7/61


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:17.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:14.7/12
Left: -0.000+/-0.000 χ²/NDF: 32.8/26
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:28.5/28
Out: 0.000+/-0.000 χ²/NDF:36.5/32
All: -0.000+/-0.000 χ²/NDF: 67.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1819155.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:891071.9/12

Left: 0.000+/-0.000 χ^2/NDF: 2878657.7/26

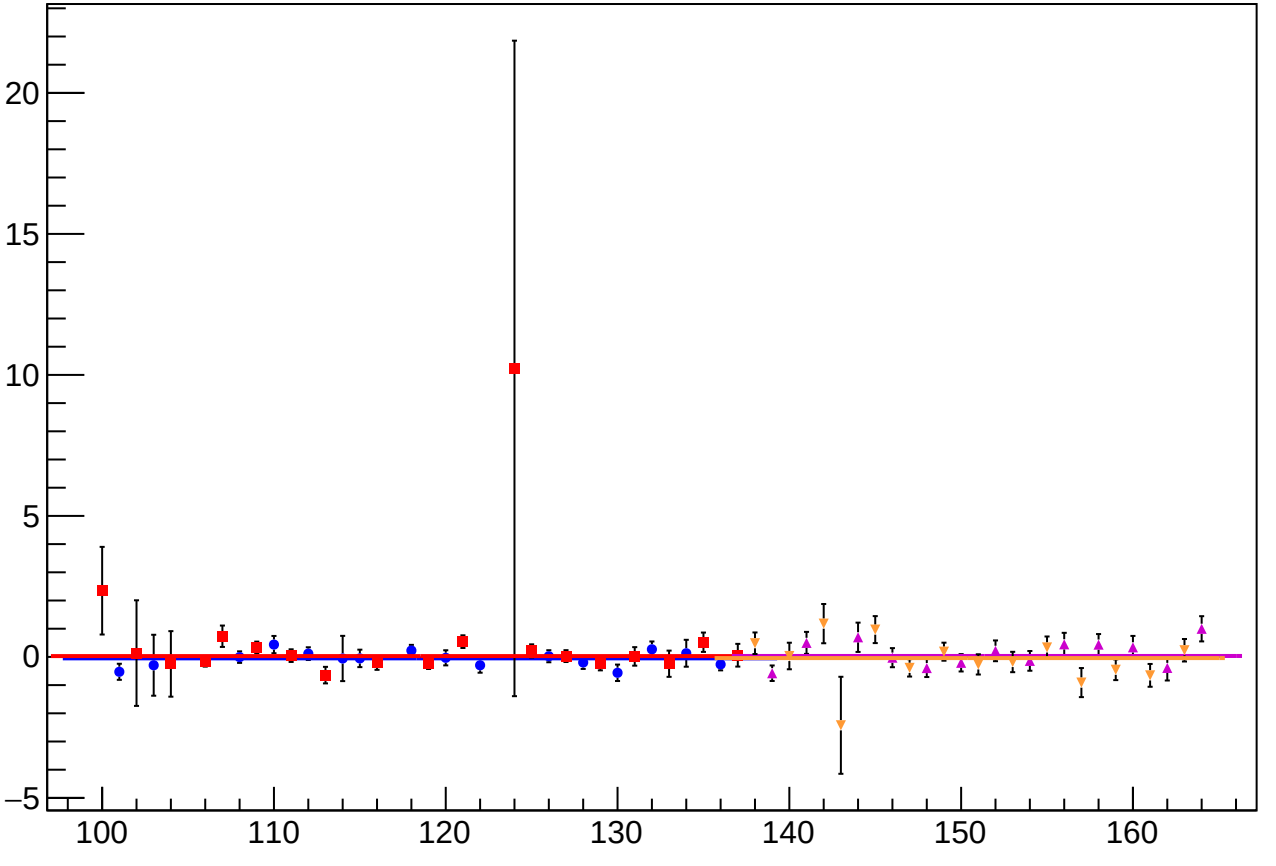
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3529407.3/28

Out: 0.000+/-0.000 χ^2/NDF:4674978.6/32

All: 0.000+/-0.000 χ^2/NDF: 8361090.0/61

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: -0.042+/-0.109 χ^2/NDF:21.5/13

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.033+/-0.101 χ^2/NDF:19.3/12

Left: -0.001+/-0.074 χ^2/NDF: 41.0/26

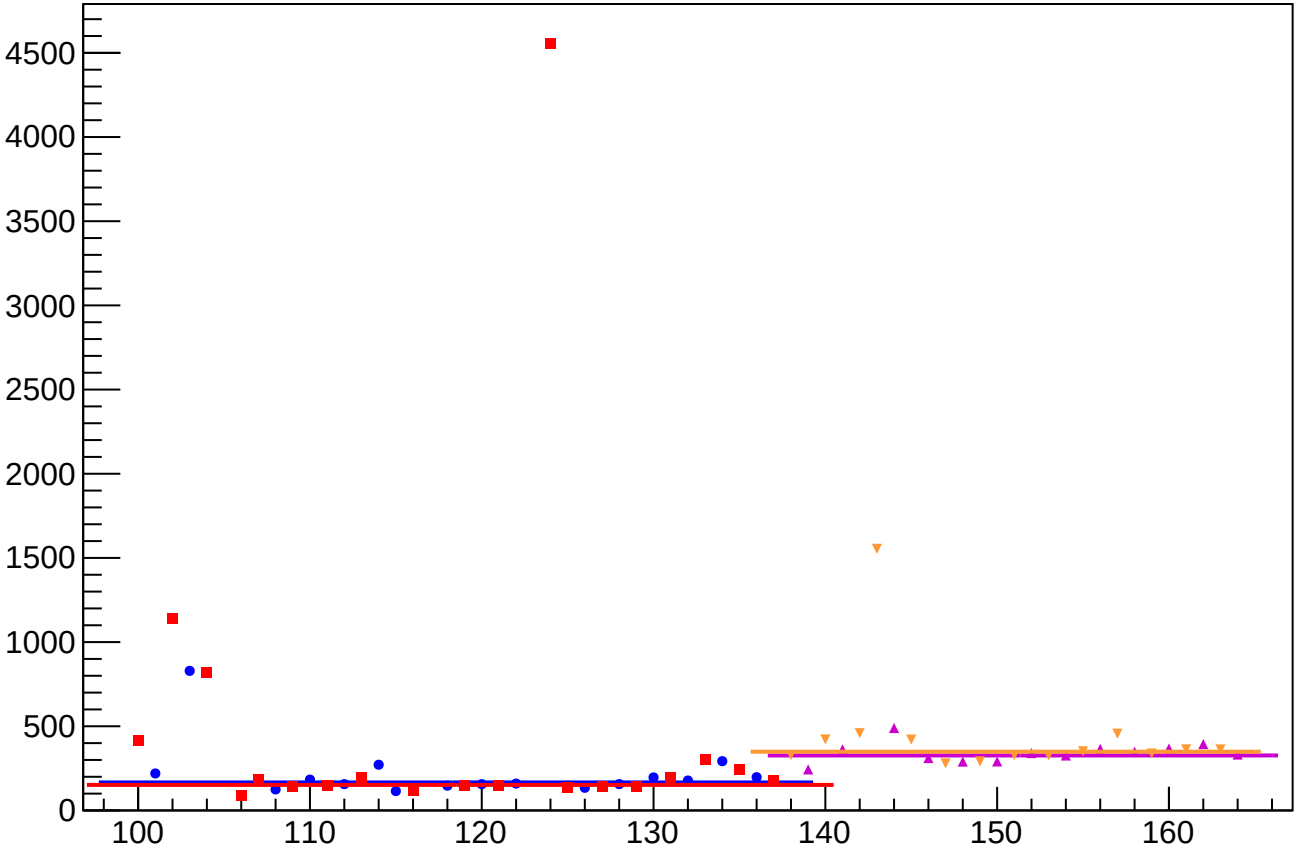
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.026+/-0.056 χ^2/NDF:34.6/28

Out: 0.011+/-0.055 χ^2/NDF:49.4/32

All: -0.007+/-0.039 χ^2/NDF: 84.2/61

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: 349.117+/-0.077 χ^2/NDF:1403620.4/13

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 326.649+/-0.072 χ^2/NDF:548390.5/12

Left: 337.054+/-0.052 χ^2/NDF: 1997591.3/26

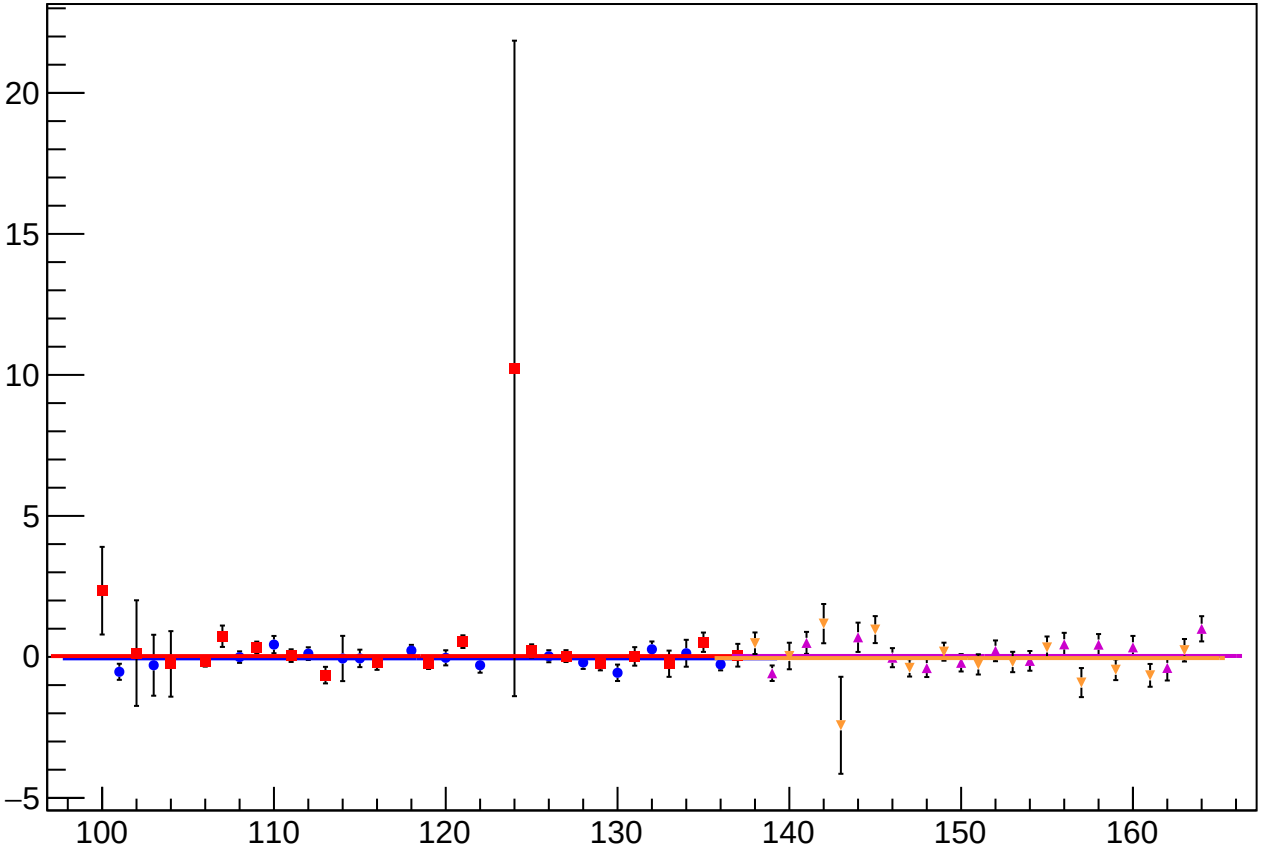
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 214.876+/-0.039 χ^2/NDF:5324176.0/28

Out: 202.370+/-0.039 χ^2/NDF:8589095.1/32

All: 208.565+/-0.028 χ^2/NDF: 13964112.0/61

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: -0.042+/-0.109 χ^2/NDF:21.5/13

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.033+/-0.101 χ^2/NDF:19.3/12

Left: -0.001+/-0.074 χ^2/NDF: 41.0/26

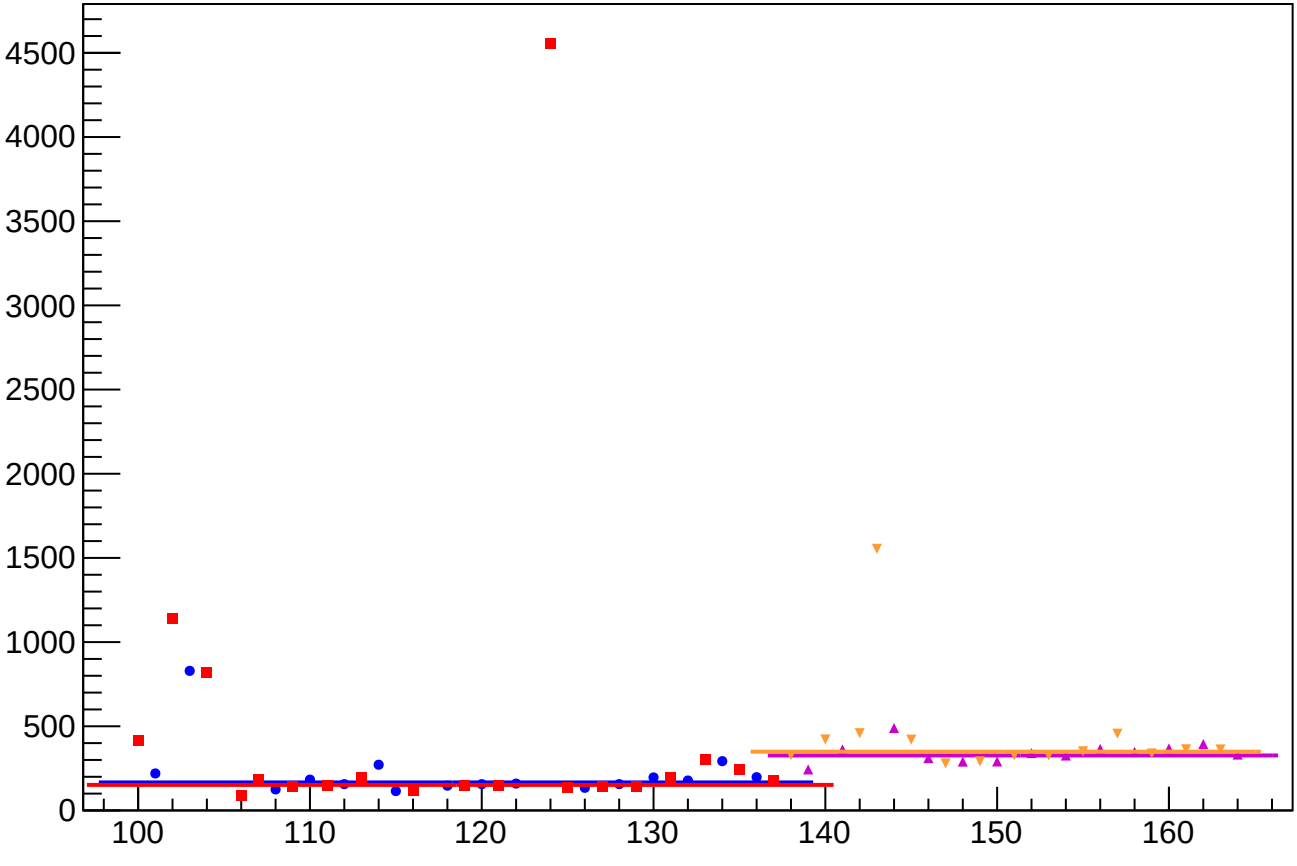
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.026+/-0.056 χ^2/NDF:34.6/28

Out: 0.011+/-0.055 χ^2/NDF:49.4/32

All: -0.007+/-0.039 χ^2/NDF: 84.2/61

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: 349.117+/-0.077 χ^2/NDF:1403620.4/13

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 326.649+/-0.072 χ^2/NDF:548390.5/12

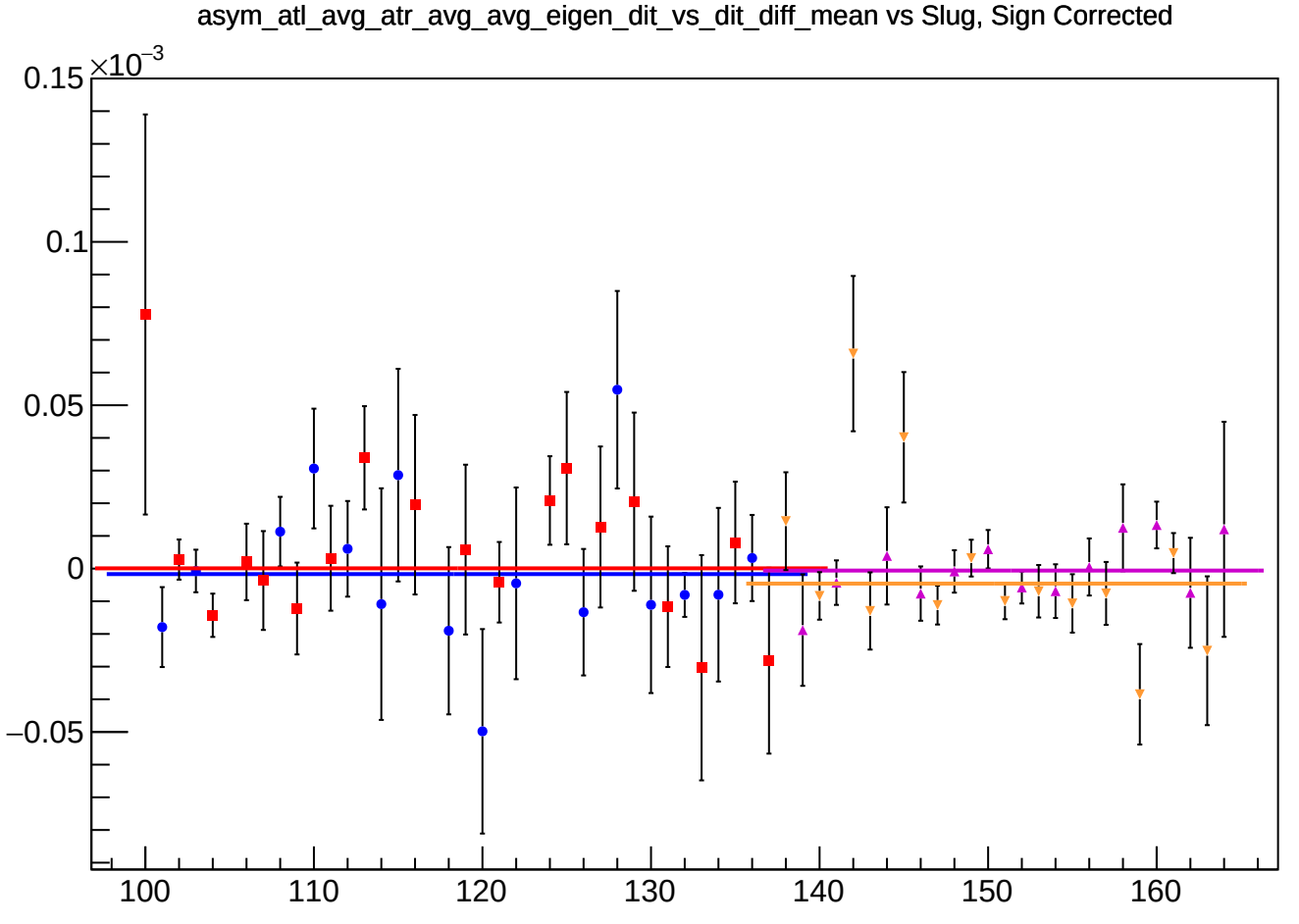
Left: 337.054+/-0.052 χ^2/NDF: 1997591.3/26

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 214.876+/-0.039 χ^2/NDF:5324176.0/28

Out: 202.370+/-0.039 χ^2/NDF:8589095.1/32

All: 208.565+/-0.028 χ^2/NDF: 13964112.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/12

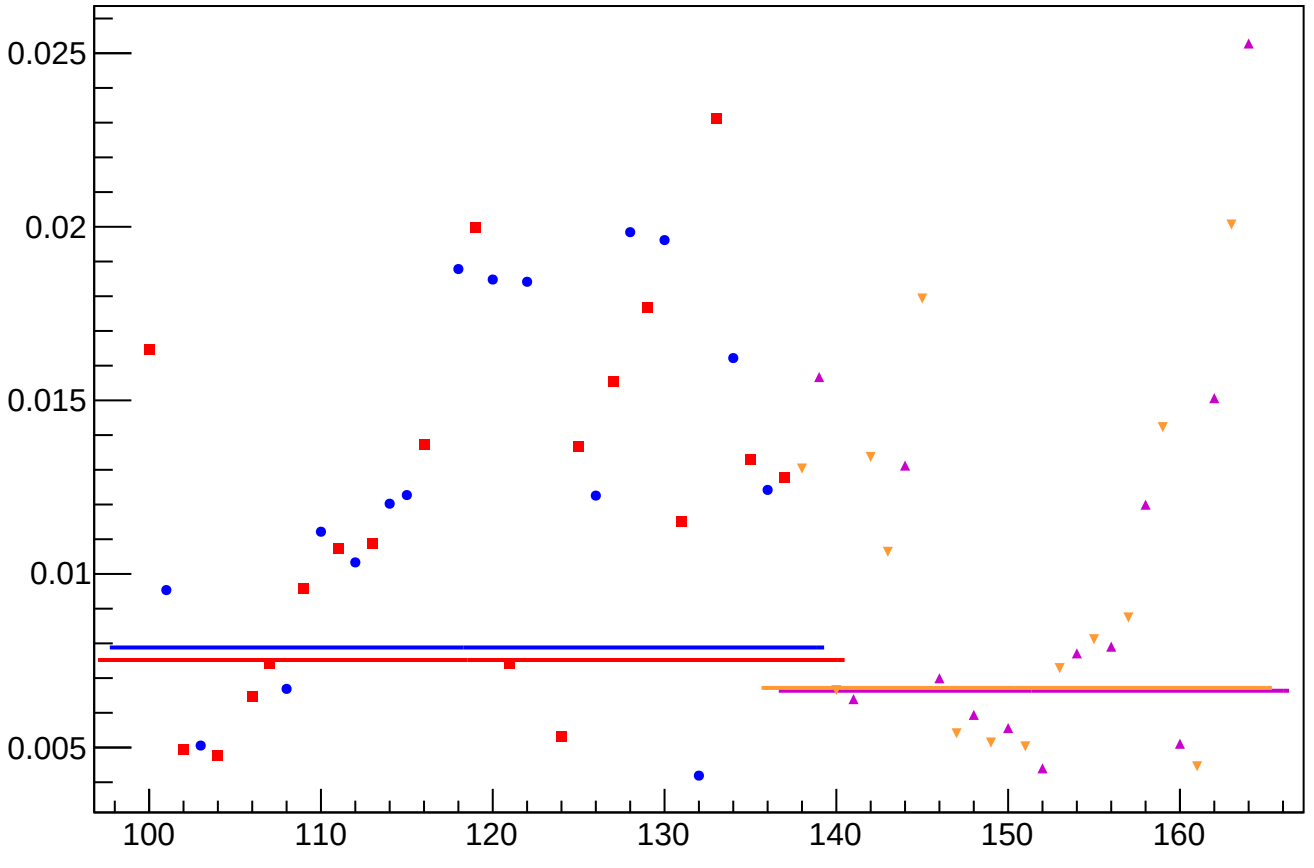
Left: -0.000+/-0.000 χ^2/NDF: 40.7/26

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:25.8/28

Out: -0.000+/-0.000 χ^2/NDF:50.3/32

All: -0.000+/-0.000 χ^2/NDF: 76.7/61



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:3385068.1/13

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:3088265.4/12

Left: 0.007+/-0.000 χ^2/NDF: 6474630.2/26

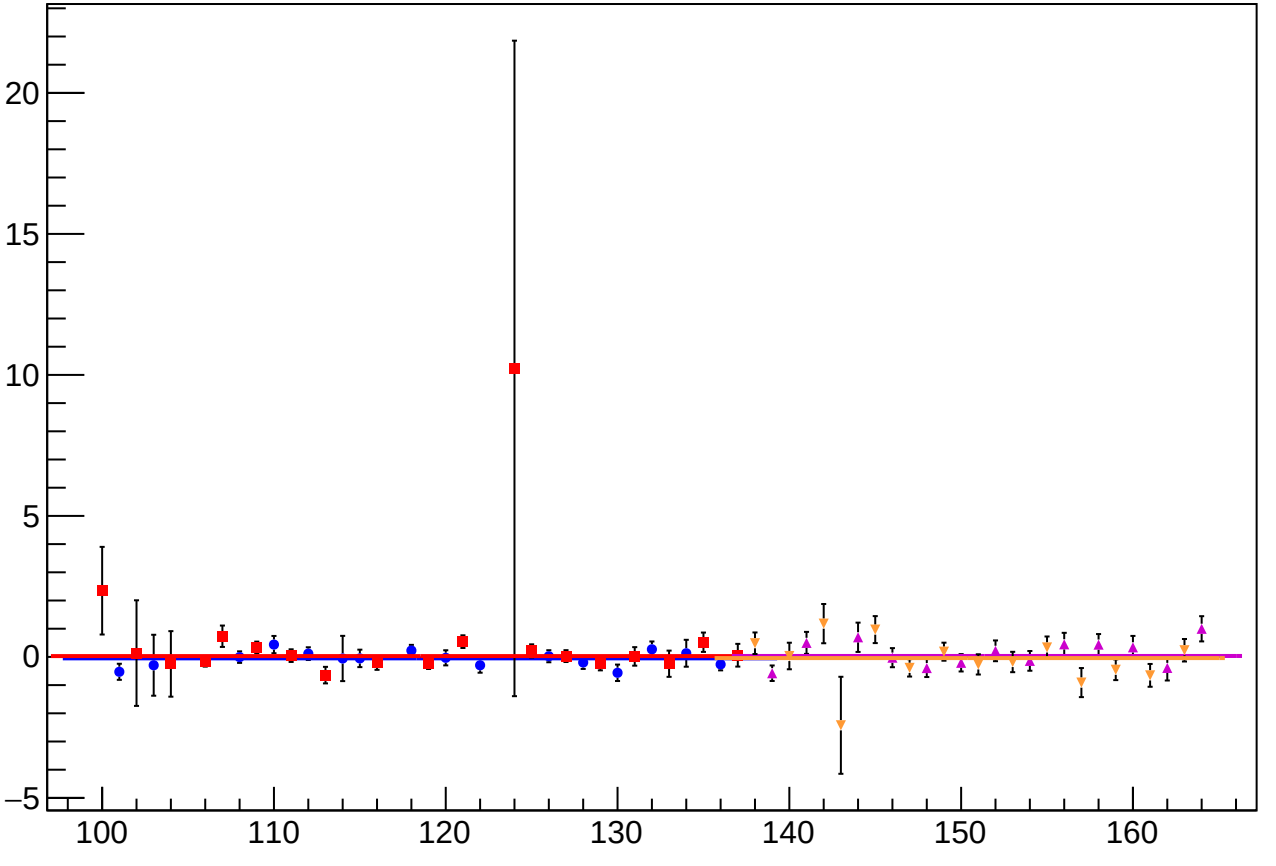
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:6576118.2/28

Out: 0.007+/-0.000 χ^2/NDF:6447414.1/32

All: 0.007+/-0.000 χ^2/NDF: 13023761.1/61

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: -0.042+/-0.109 χ^2/NDF:21.5/13

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.033+/-0.101 χ^2/NDF:19.3/12

Left: -0.001+/-0.074 χ^2/NDF: 41.0/26

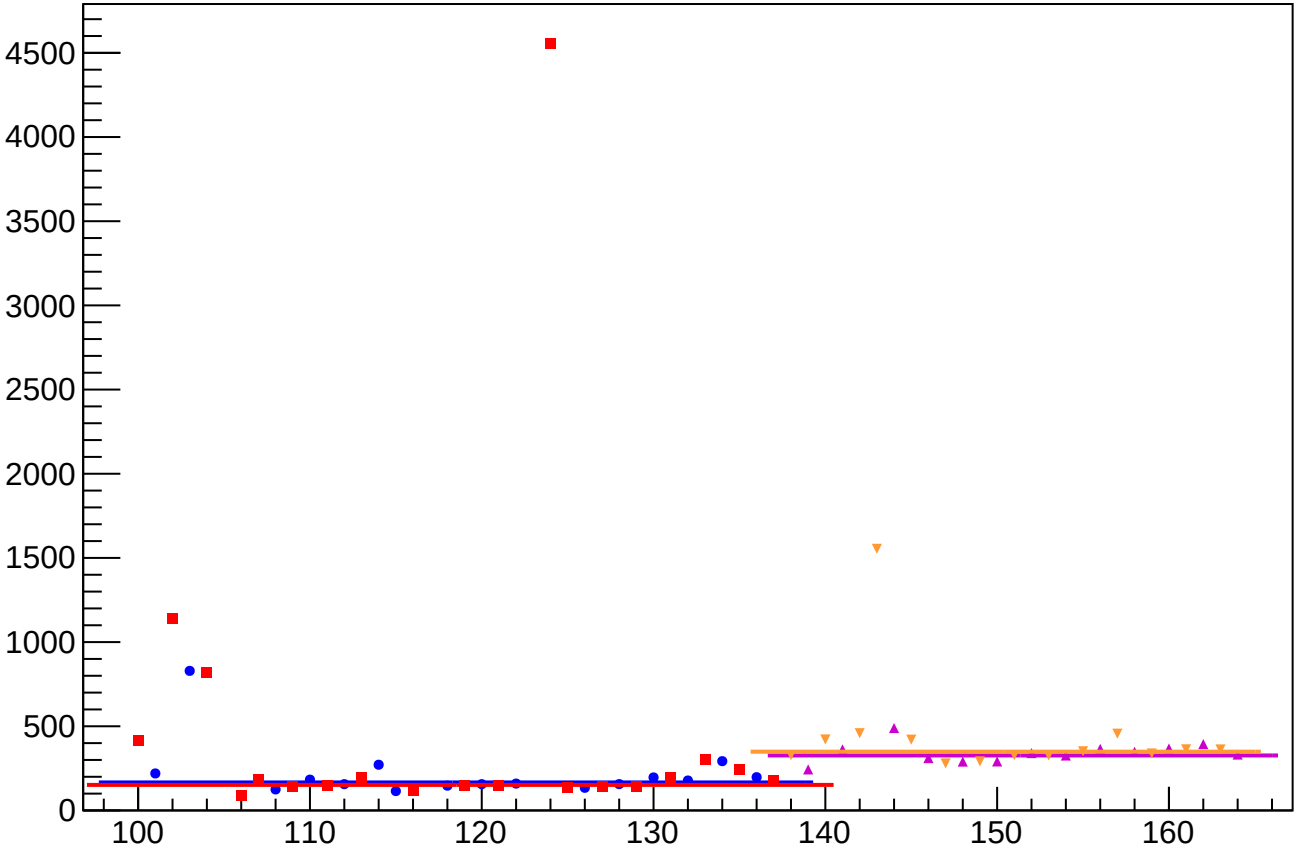
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.026+/-0.056 χ^2/NDF:34.6/28

Out: 0.011+/-0.055 χ^2/NDF:49.4/32

All: -0.007+/-0.039 χ^2/NDF: 84.2/61

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: 349.122+/-0.077 χ^2/NDF:1403623.4/13

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 326.654+/-0.072 χ^2/NDF:548382.7/12

Left: 337.059+/-0.052 χ^2/NDF: 1997584.4/26

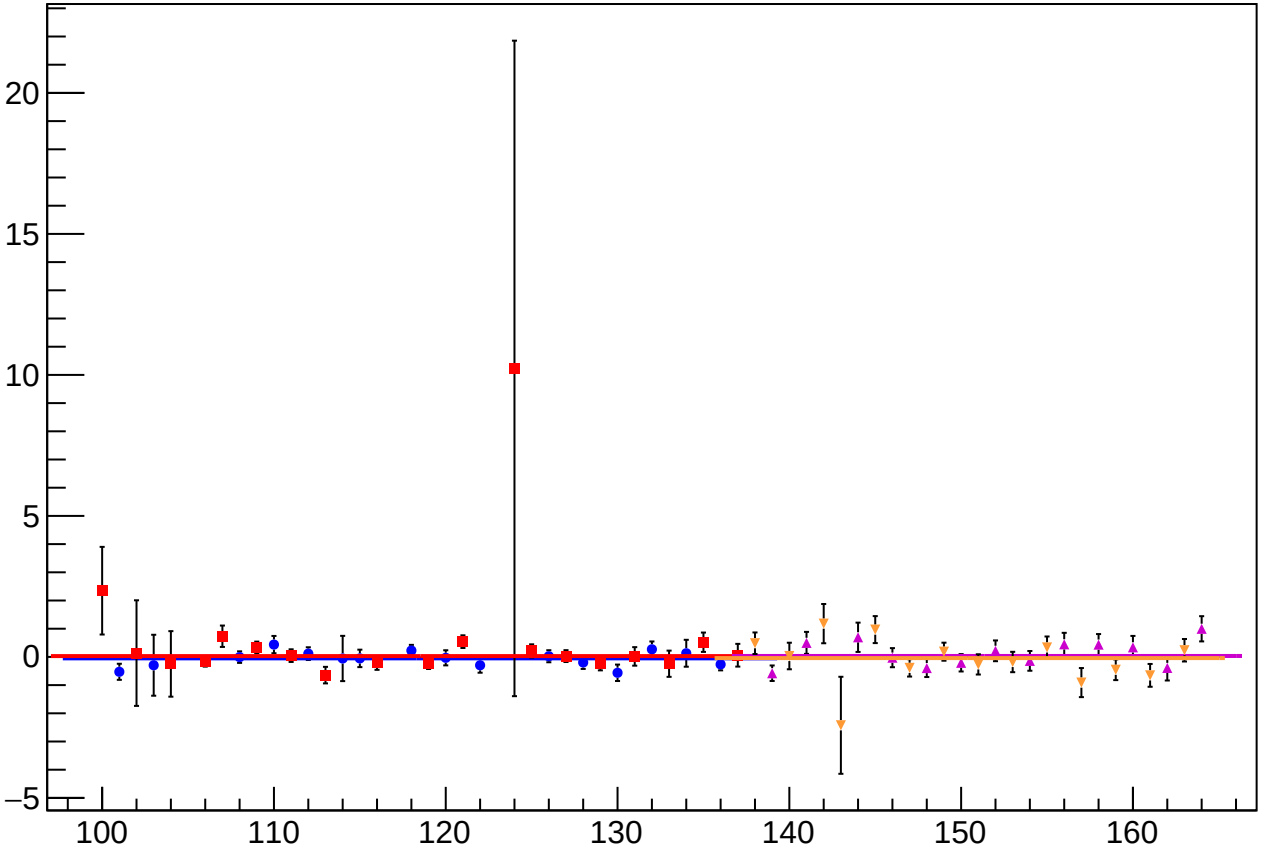
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 214.876+/-0.039 χ^2/NDF:5324352.6/28

Out: 202.368+/-0.039 χ^2/NDF:8589327.6/32

All: 208.565+/-0.028 χ^2/NDF: 13964529.8/61

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: -0.042+/-0.109 χ^2/NDF:21.5/13

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: 0.033+/-0.101 χ^2/NDF:19.3/12

Left: -0.001+/-0.074 χ^2/NDF: 41.0/26

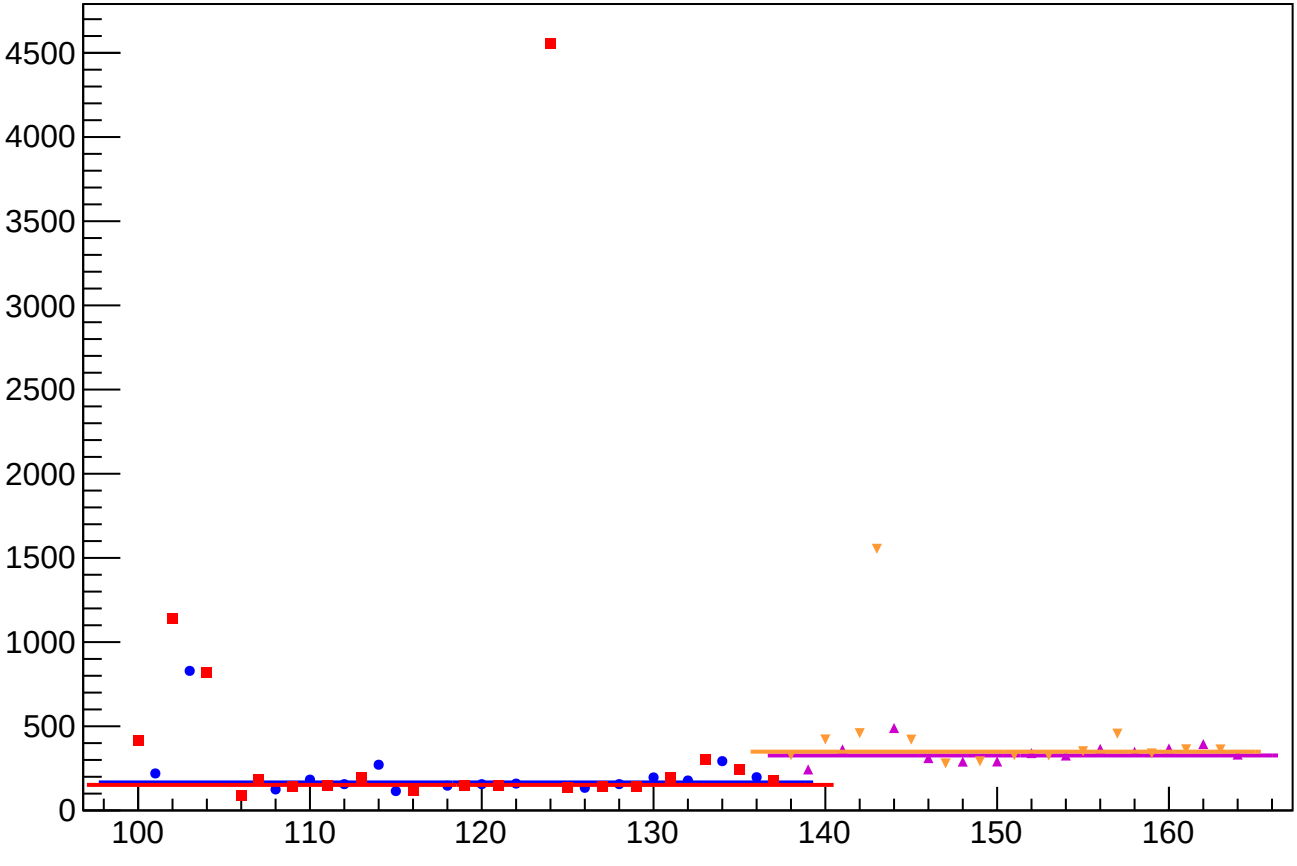
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.026+/-0.056 χ^2/NDF:34.6/28

Out: 0.011+/-0.055 χ^2/NDF:49.4/32

All: -0.007+/-0.039 χ^2/NDF: 84.2/61

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: 349.122+/-0.077 χ^2/NDF:1403623.4/13

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 326.654+/-0.072 χ^2/NDF:548382.7/12

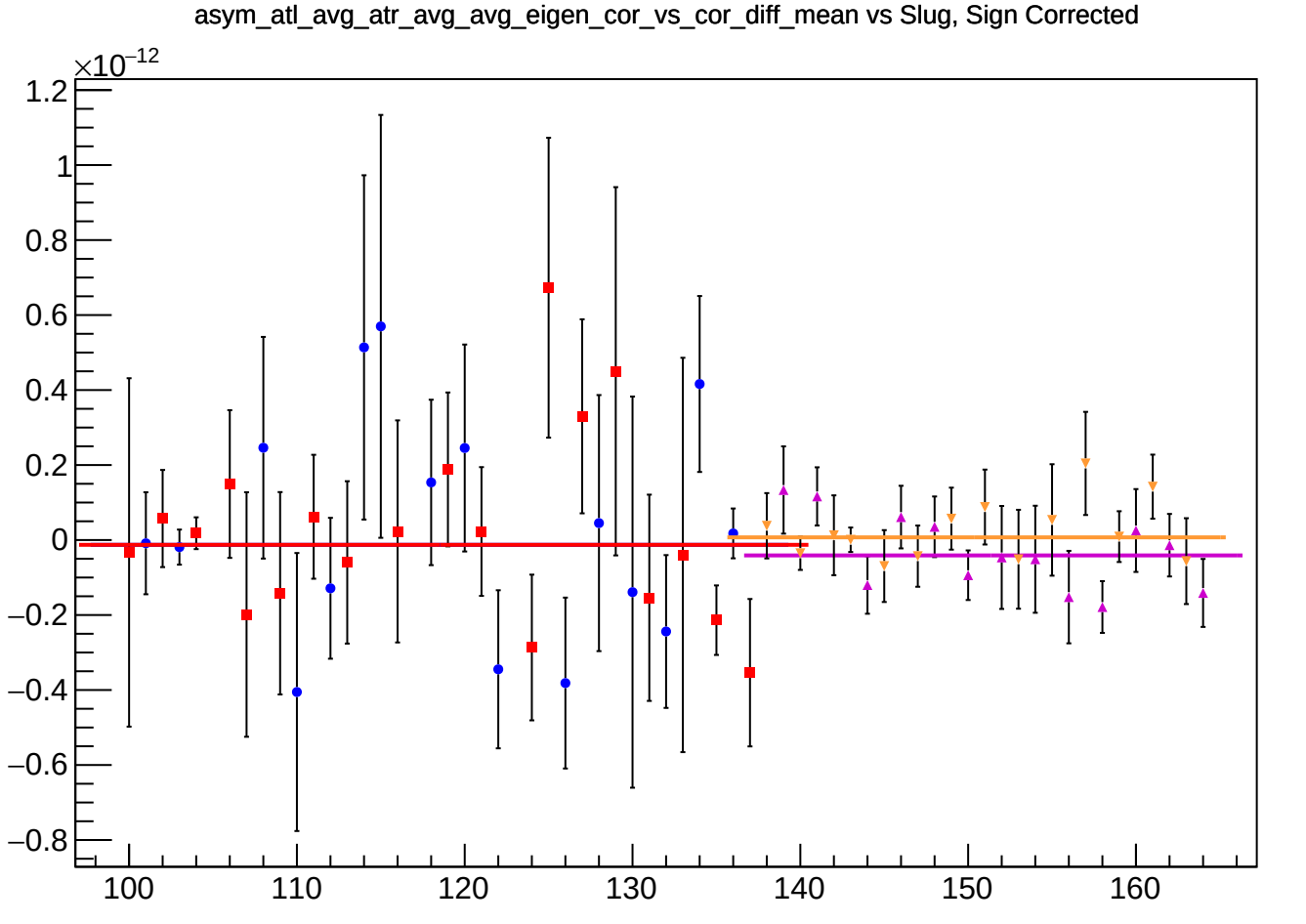
Left: 337.059+/-0.052 χ^2/NDF: 1997584.4/26

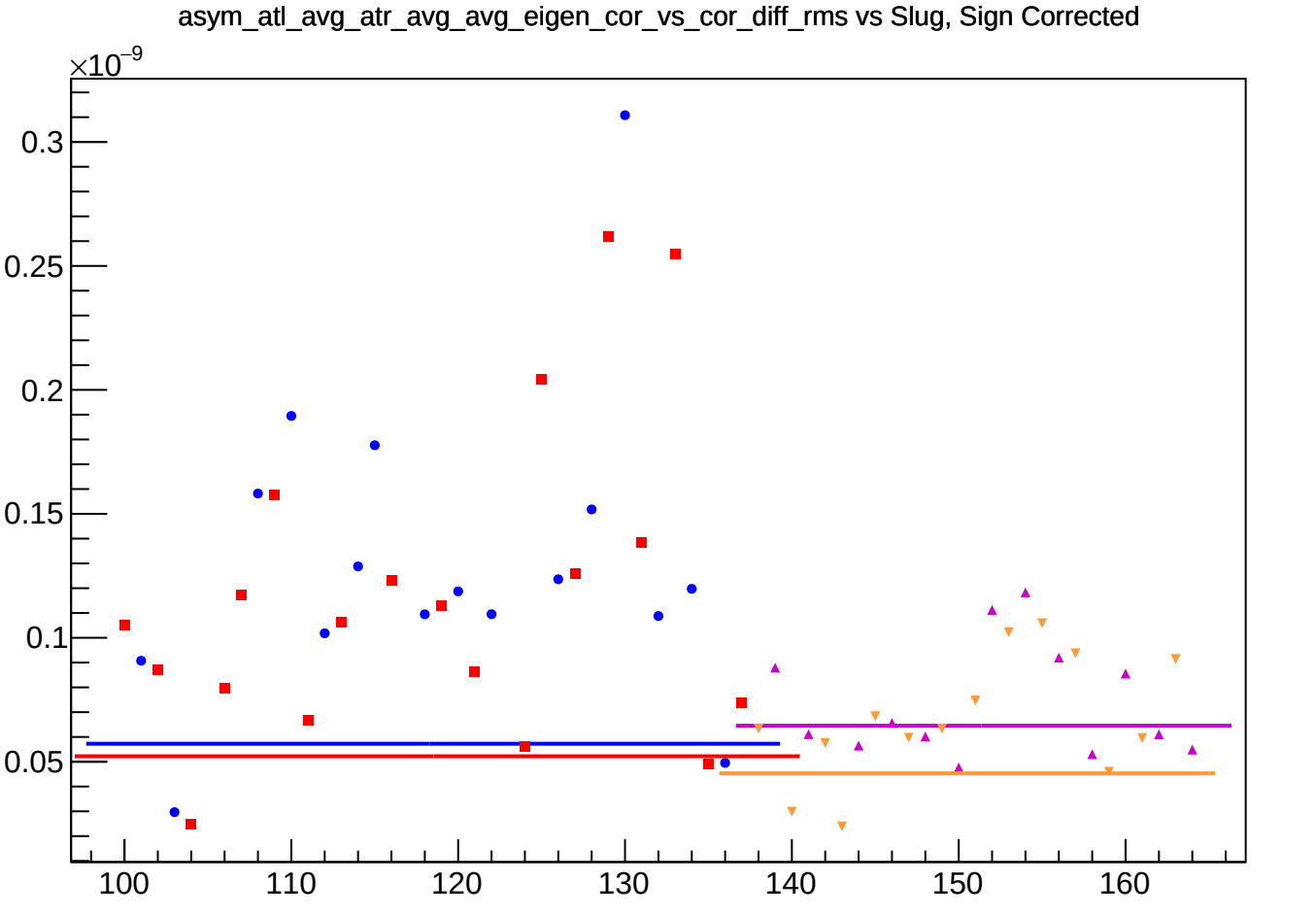
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

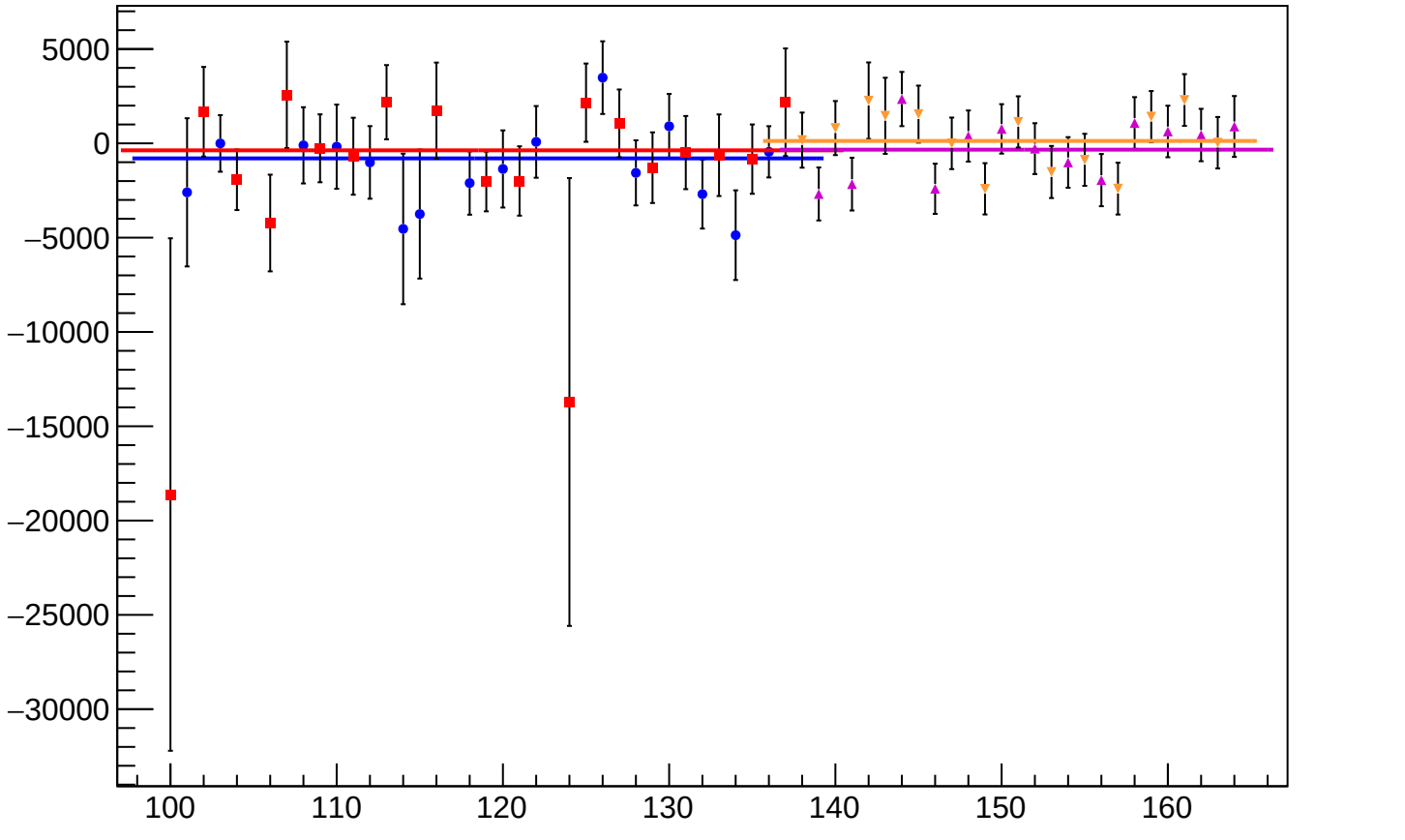
In: 214.876+/-0.039 χ^2/NDF:5324352.6/28

Out: 202.368+/-0.039 χ^2/NDF:8589327.6/32

All: 208.565+/-0.028 χ^2/NDF: 13964529.8/61


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
160
Right In: -0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: 0.000+/-0.000 χ²/NDF:8.3/13
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/18
Left In: -0.000+/-0.000 χ²/NDF:16.9/12
Left: -0.000+/-0.000 χ²/NDF: 27.6/26
Right: -0.000+/-0.000 χ²/NDF: 35.0/34
In: -0.000+/-0.000 χ²/NDF:33.5/28
Out: 0.000+/-0.000 χ²/NDF:27.4/32
All: -0.000+/-0.000 χ²/NDF: 62.6/61


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2983121.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2990652.8/13
Right Out: 0.000+/-0.000 χ²/NDF: 3287828.4/18
Left In: 0.000+/-0.000 χ²/NDF:1010235.6/12
Left: 0.000+/-0.000 χ²/NDF: 4766991.3/26
Right: 0.000+/-0.000 χ²/NDF: 6295515.7/34
In: 0.000+/-0.000 χ²/NDF:4056276.0/28
Out: 0.000+/-0.000 χ²/NDF:6348566.9/32
All: 0.000+/-0.000 χ²/NDF: 11074088.2/61



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 126.774+/-386.589 χ^2/NDF:15.4/13

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -335.968+/-383.793 χ^2/NDF:15.5/12

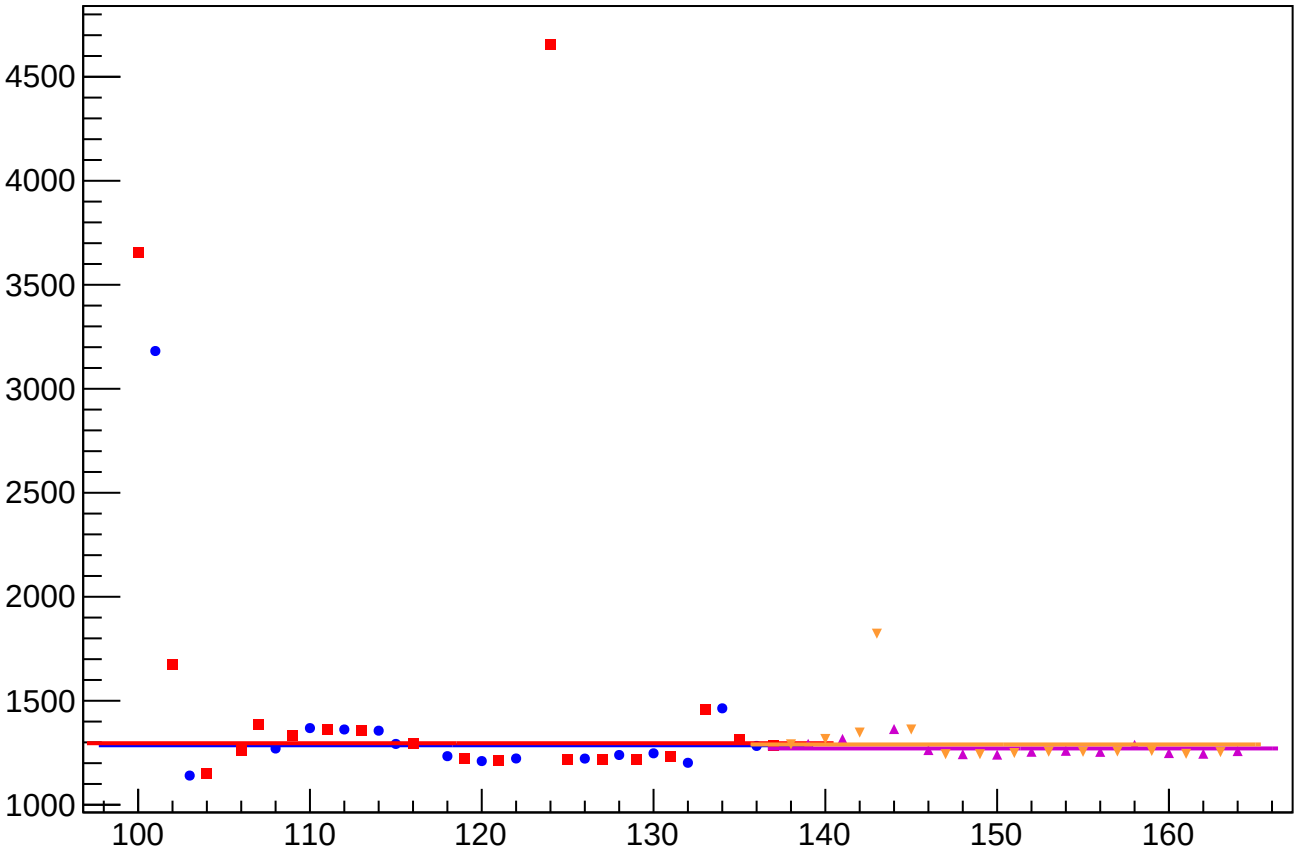
Left: -106.277+/-272.366 χ^2/NDF: 31.6/26

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -512.505+/-301.545 χ^2/NDF:29.4/28

Out: -65.831+/-302.503 χ^2/NDF:31.7/32

All: -289.877+/-213.562 χ^2/NDF: 62.2/61



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

Left: 1280.319+/-0.193 χ^2/NDF: 179099.2/26

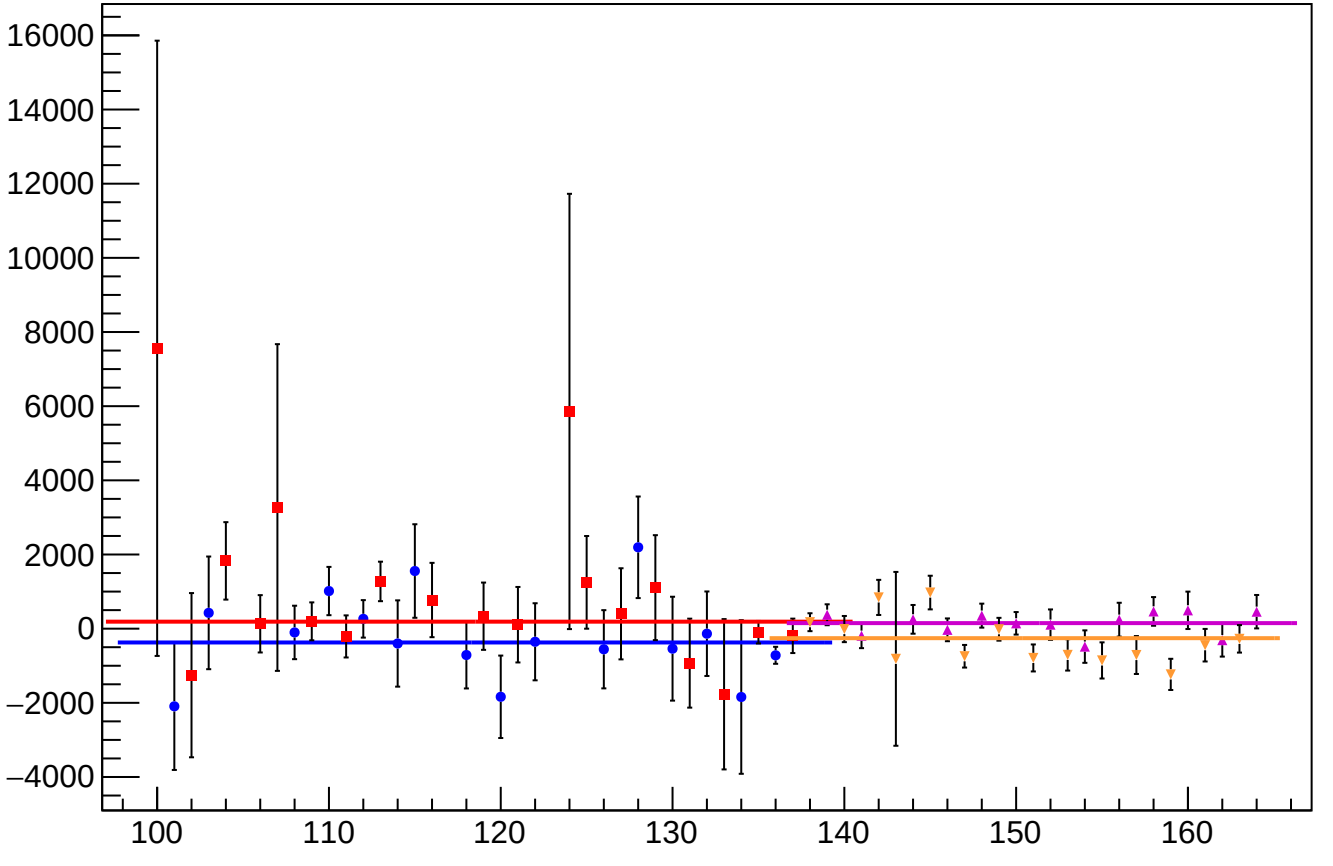
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1276.631+/-0.213 χ^2/NDF:534670.4/28

Out: 1292.313+/-0.214 χ^2/NDF:489531.6/32

All: 1284.447+/-0.151 χ^2/NDF: 1026898.2/61

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -256.427+/-102.449 χ^2/NDF:30.8/13

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 149.808+/-102.223 χ^2/NDF:7.3/12

Left: -52.861+/-72.362 χ^2/NDF: 46.0/26

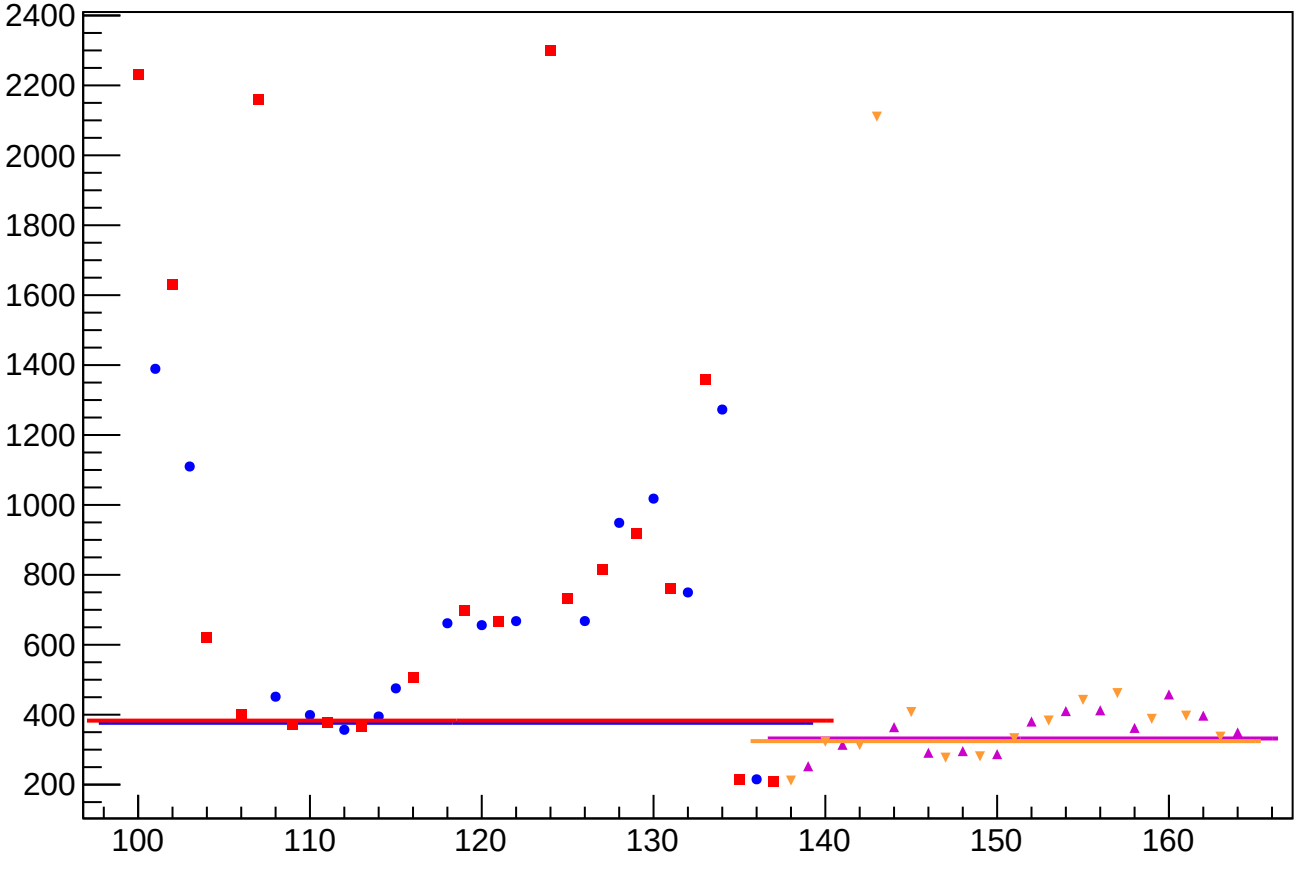
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 8.978+/-87.356 χ^2/NDF:32.5/28

Out: -137.336+/-87.688 χ^2/NDF:50.5/32

All: -63.902+/-61.887 χ^2/NDF: 84.4/61

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: 324.425+/-0.072 χ^2/NDF:2158928.8/13

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 331.945+/-0.072 χ^2/NDF:619139.1/12

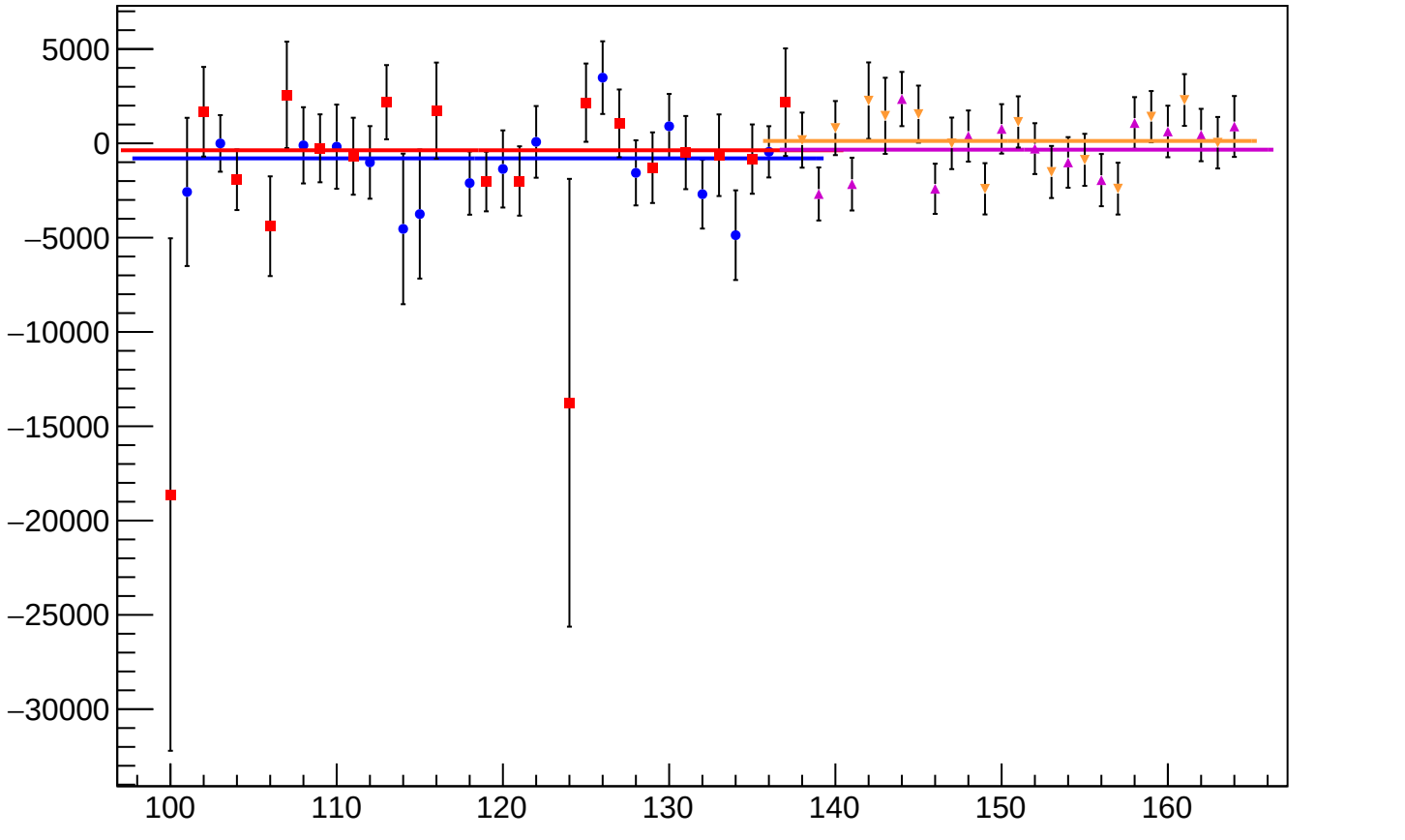
Left: 328.194+/-0.051 χ^2/NDF: 2783467.8/26

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 344.069+/-0.062 χ^2/NDF:4913626.3/28

Out: 340.108+/-0.062 χ^2/NDF:6388312.0/32

All: 342.096+/-0.044 χ^2/NDF: 11303986.4/61



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -335.915+/-383.793 χ^2/NDF:15.5/12

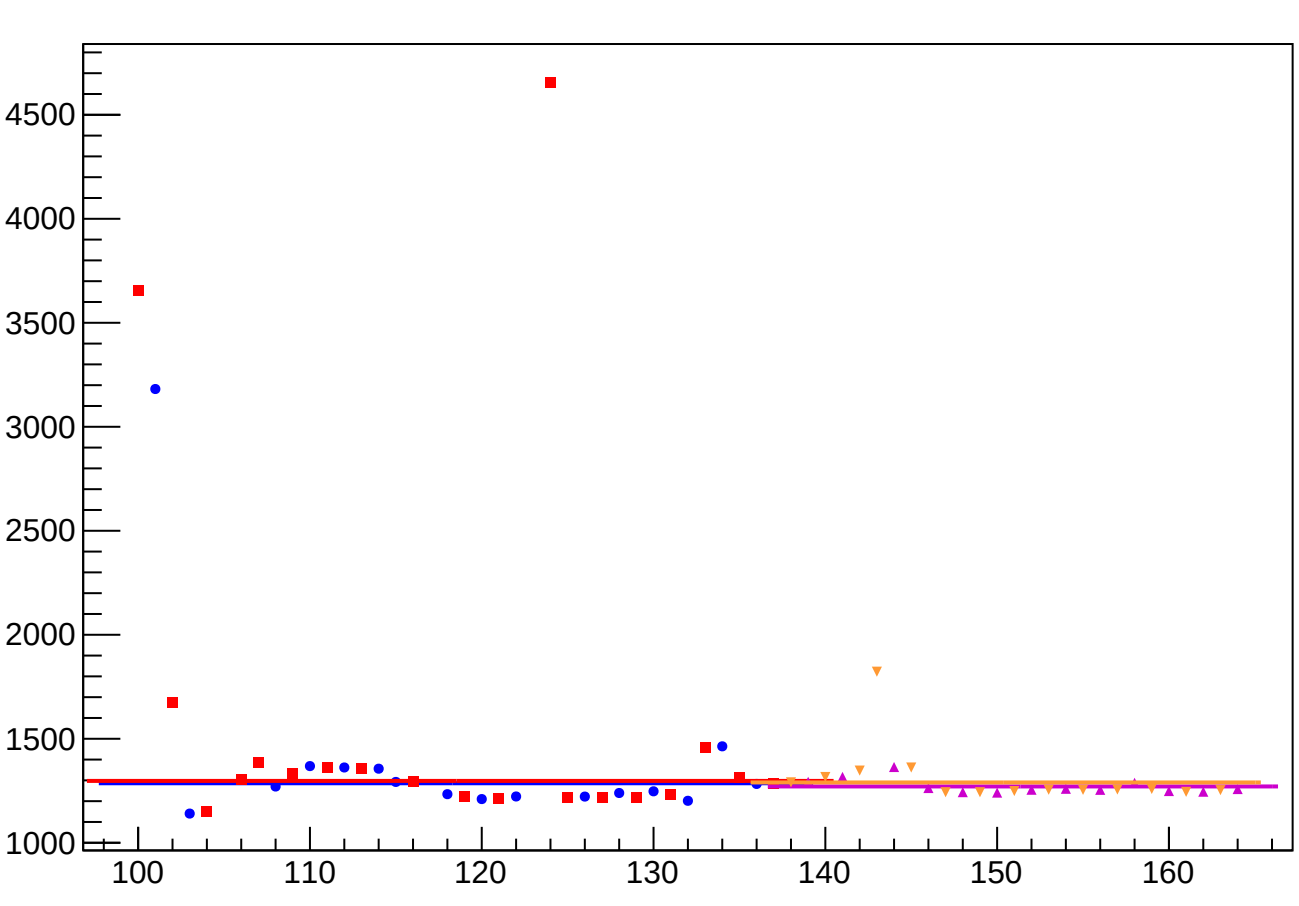
Left: -106.217+/-272.366 χ^2/NDF: 31.6/26

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -512.319+/-301.545 χ^2/NDF:29.4/28

Out: -64.556+/-302.630 χ^2/NDF:31.7/32

All: -289.241+/-213.607 χ^2/NDF: 62.3/61



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

Left: 1280.319+/-0.193 χ^2/NDF: 179099.2/26

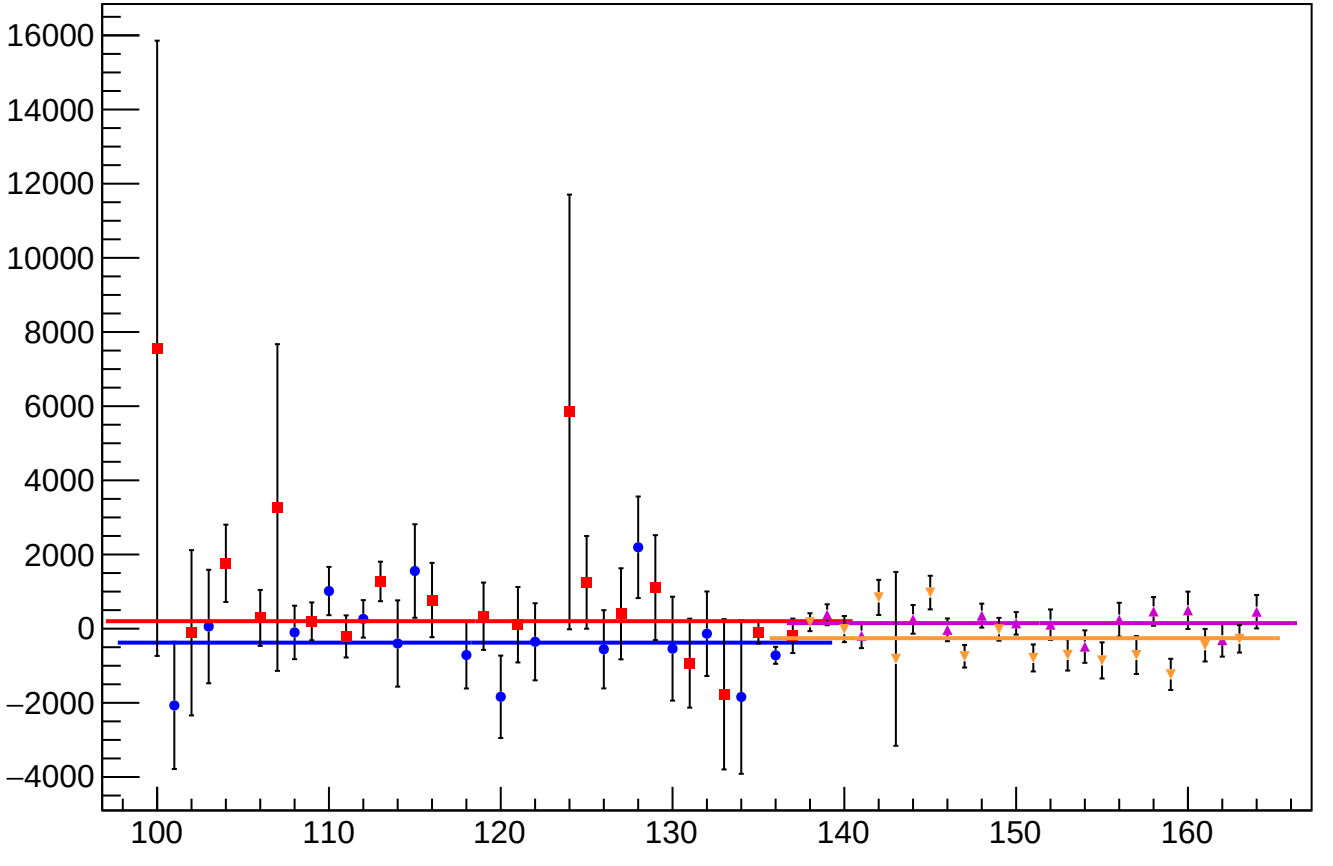
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1276.631+/-0.213 χ^2/NDF:534671.8/28

Out: 1292.872+/-0.214 χ^2/NDF:489303.2/32

All: 1284.722+/-0.151 χ^2/NDF: 1026865.6/61

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: -256.426+/-102.451 χ^2/NDF:30.8/13

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 149.813+/-102.223 χ^2/NDF:7.3/12

Left: -52.854+/-72.363 χ^2/NDF: 45.9/26

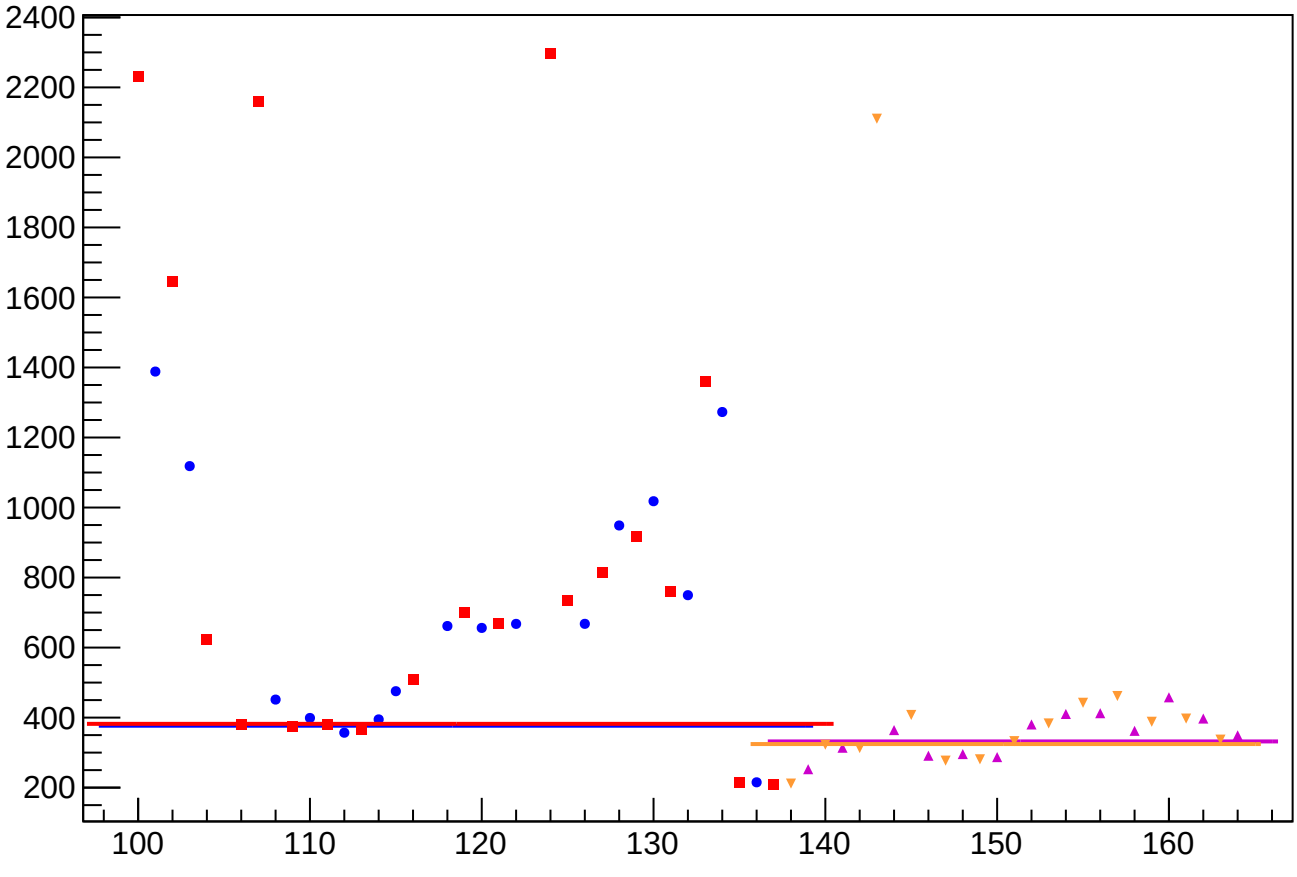
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 7.806+/-87.359 χ^2/NDF:32.4/28

Out: -133.592+/-87.662 χ^2/NDF:50.2/32

All: -62.648+/-61.879 χ^2/NDF: 83.9/61

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: 324.434+/-0.072 χ^2/NDF:2158816.7/13

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

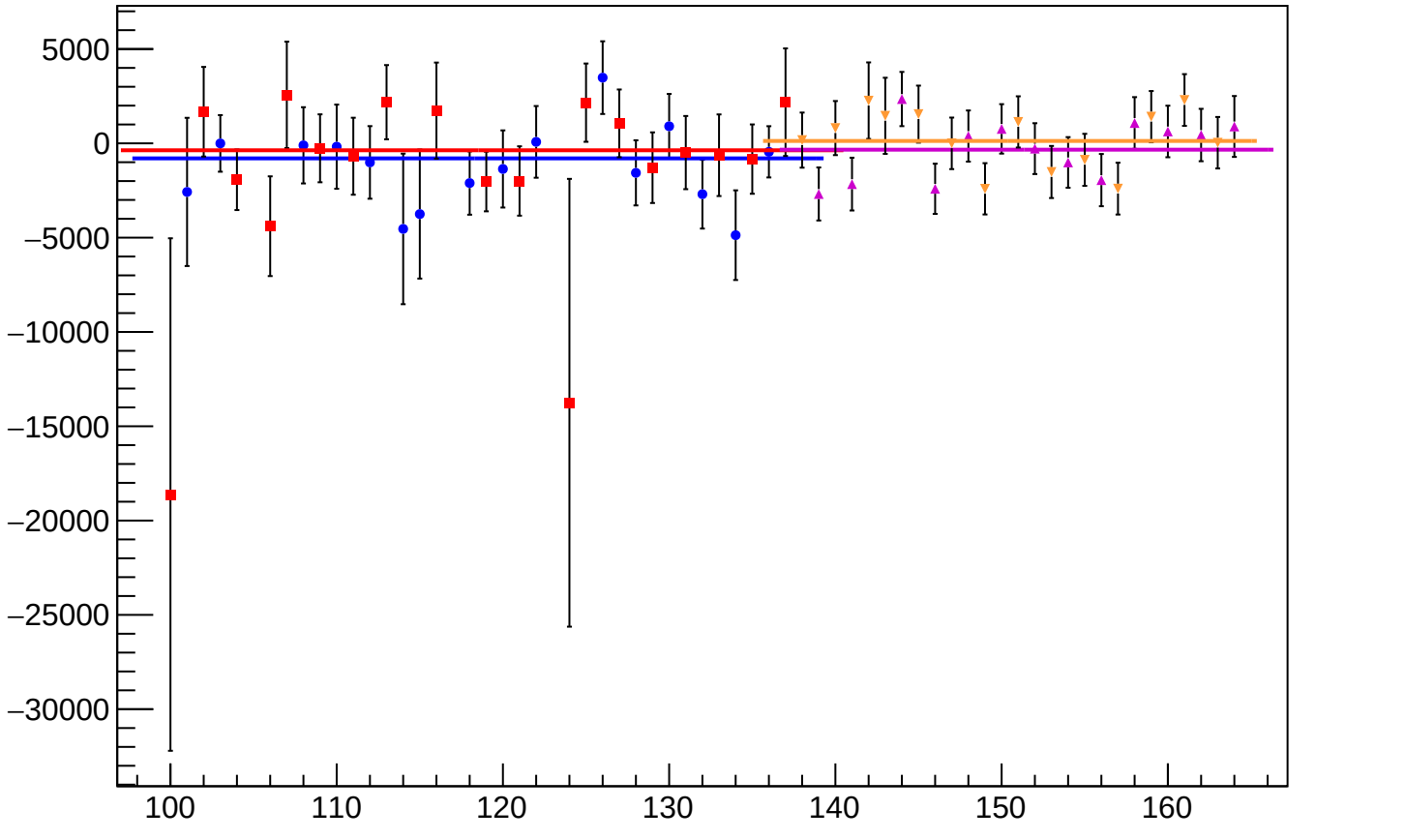
Left: 328.198+/-0.051 χ^2/NDF: 2783447.9/26

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 344.064+/-0.062 χ^2/NDF:4916807.2/28

Out: 339.890+/-0.062 χ^2/NDF:6388358.5/32

All: 341.984+/-0.044 χ^2/NDF: 11307440.8/61



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -335.915+/-383.793 χ^2/NDF:15.5/12

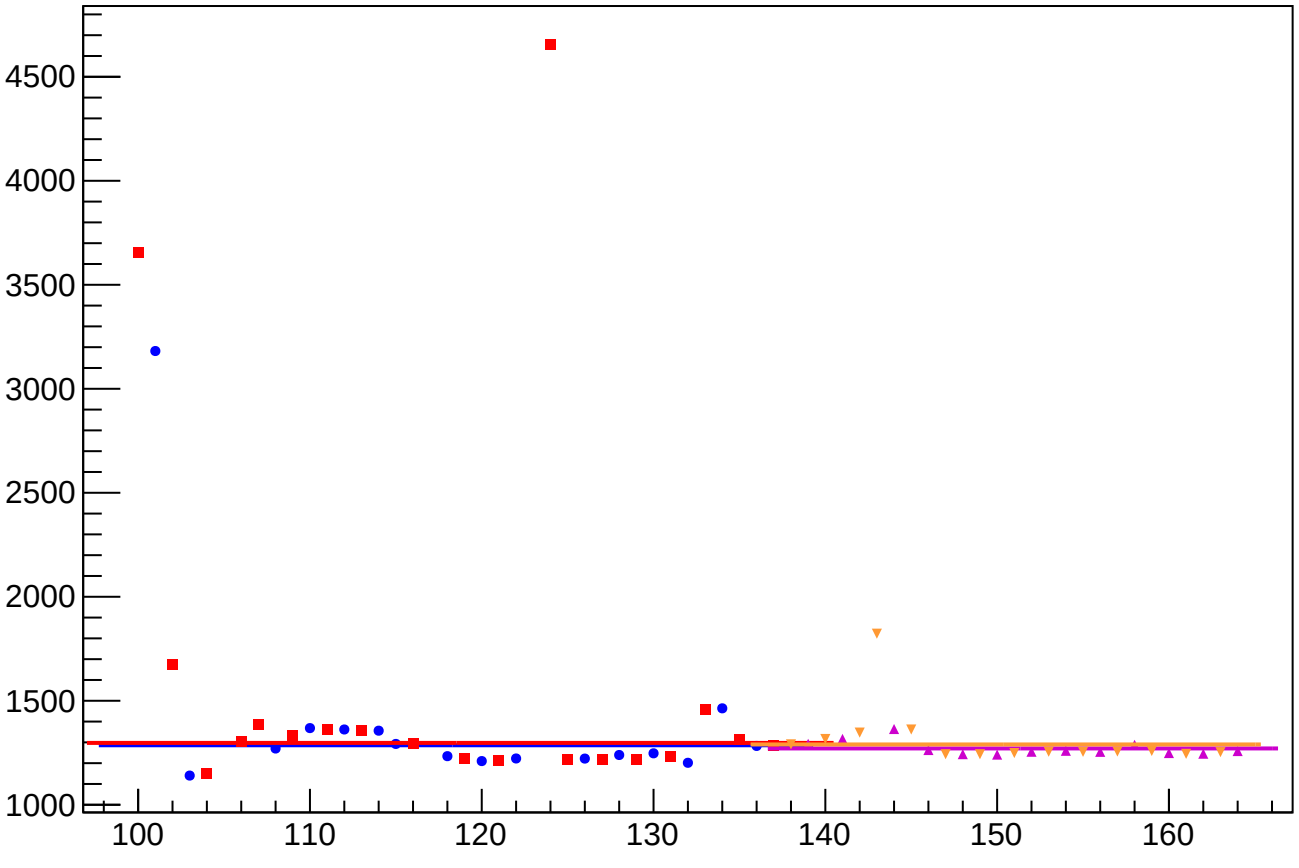
Left: -106.217+/-272.366 χ^2/NDF: 31.6/26

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -512.319+/-301.545 χ^2/NDF:29.4/28

Out: -64.556+/-302.630 χ^2/NDF:31.7/32

All: -289.241+/-213.607 χ^2/NDF: 62.3/61



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

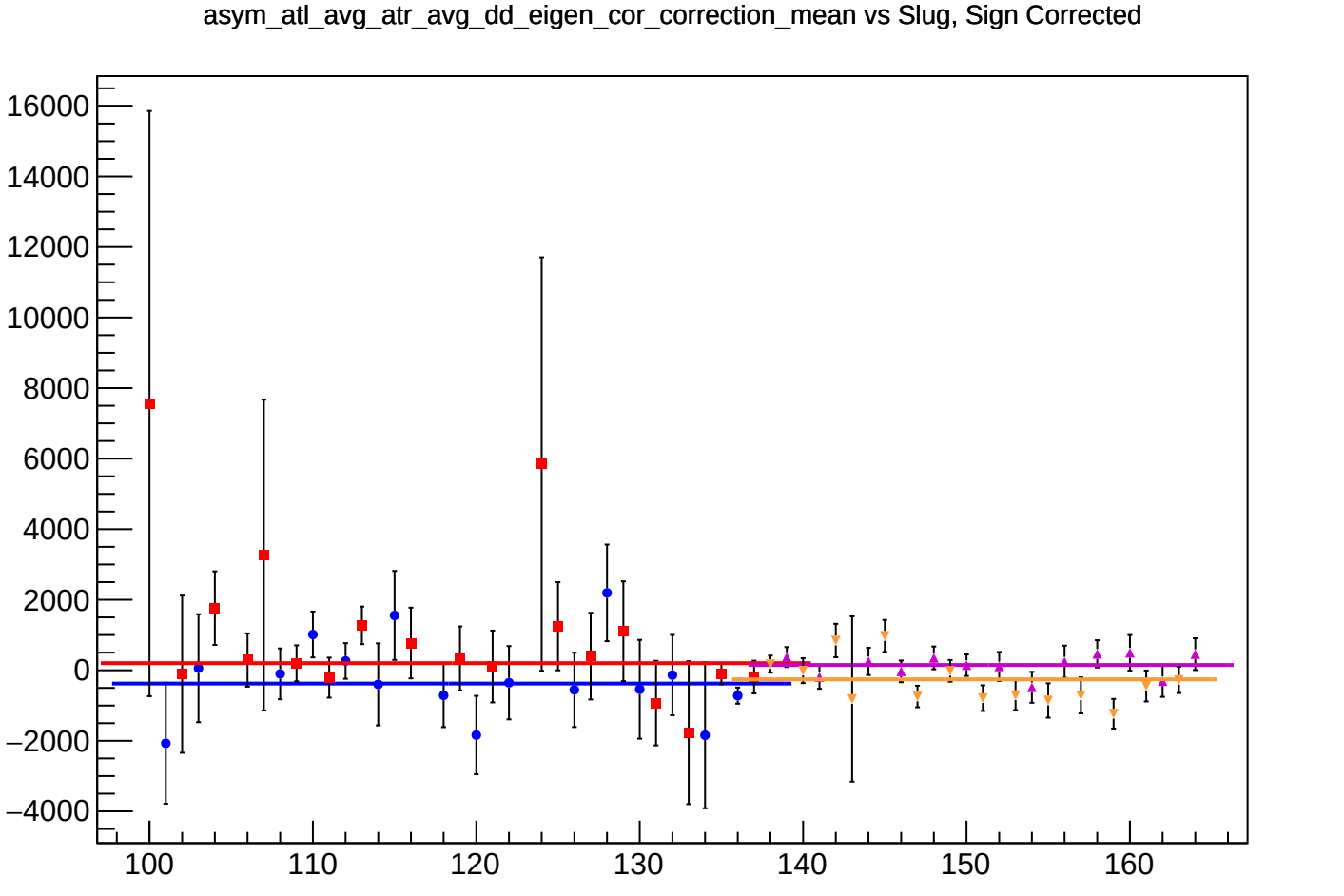
Left: 1280.319+/-0.193 χ^2/NDF: 179099.2/26

Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

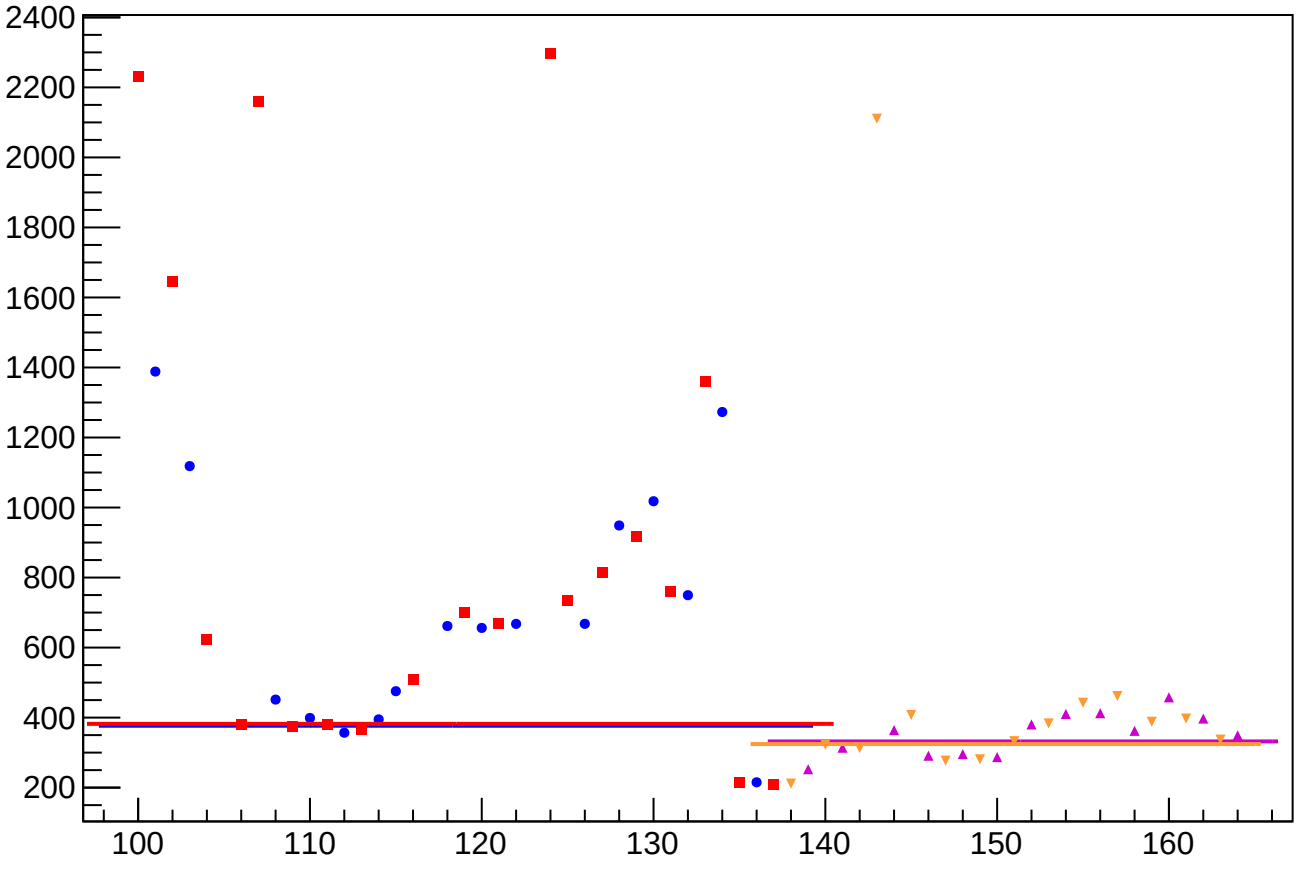
In: 1276.631+/-0.213 χ^2/NDF:534671.8/28

Out: 1292.872+/-0.214 χ^2/NDF:489303.2/32

All: 1284.722+/-0.151 χ^2/NDF: 1026865.6/61


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: -376.771+/-168.223 χ²/NDF: 17.9/15
Left Out: -256.426+/-102.451 χ²/NDF:30.8/13
Right Out: 202.144+/-169.377 χ²/NDF: 14.0/18
Left In: 149.813+/-102.223 χ²/NDF:7.3/12
Left: -52.854+/-72.363 χ²/NDF: 45.9/26
Right: -89.292+/-119.358 χ²/NDF: 37.9/34
In: 7.806+/-87.359 χ²/NDF:32.4/28
Out: -133.592+/-87.662 χ²/NDF:50.2/32
All: -62.648+/-61.879 χ²/NDF: 83.9/61

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: 324.434+/-0.072 χ^2/NDF:2158816.7/13

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

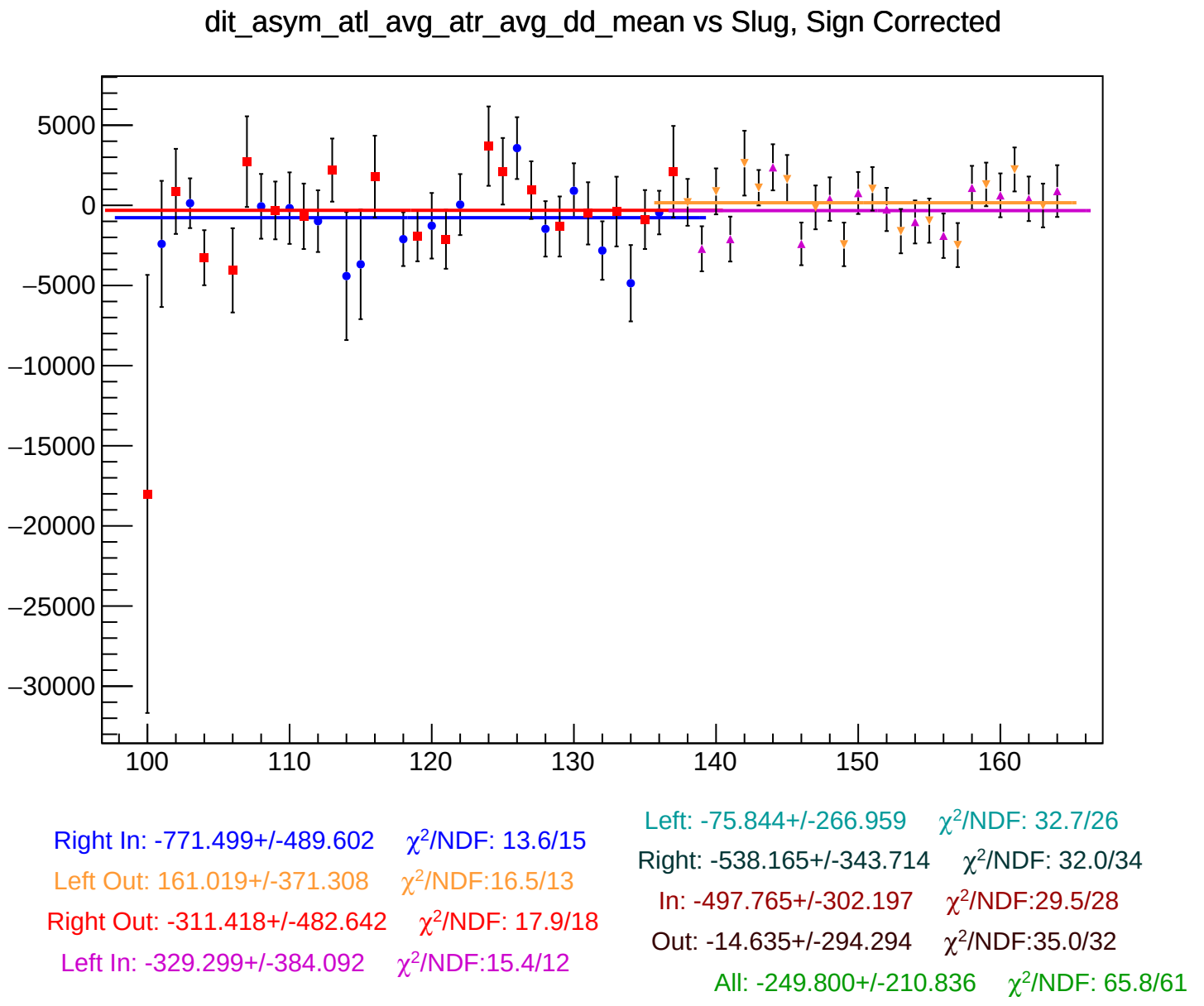
Left: 328.198+/-0.051 χ^2/NDF: 2783447.9/26

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

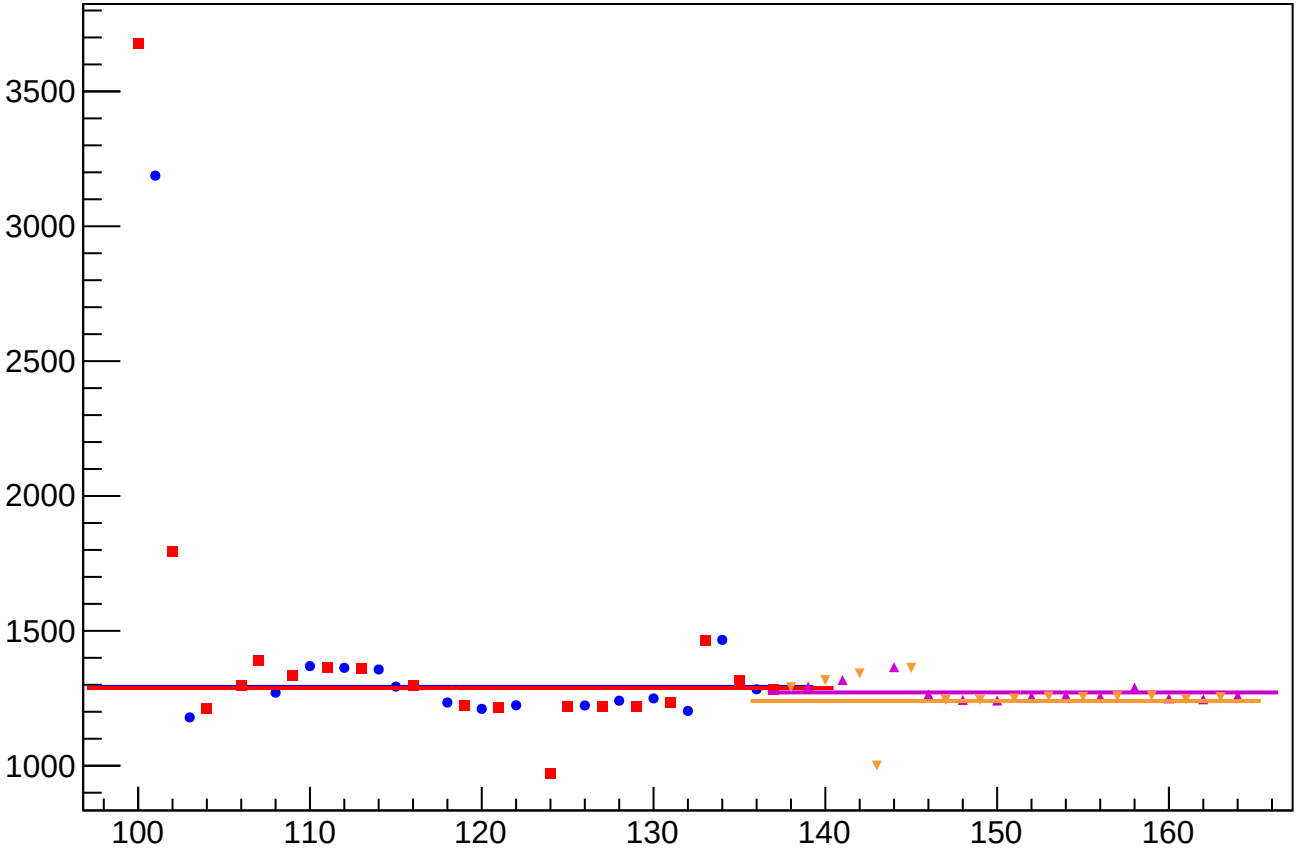
In: 344.064+/-0.062 χ^2/NDF:4916807.2/28

Out: 339.890+/-0.062 χ^2/NDF:6388358.5/32

All: 341.984+/-0.044 χ^2/NDF: 11307440.8/61


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
160
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 161.019+/-371.308 χ²/NDF:16.5/13
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -329.299+/-384.092 χ²/NDF:15.4/12
Left: -75.844+/-266.959 χ²/NDF: 32.7/26
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -497.765+/-302.197 χ²/NDF:29.5/28
Out: -14.635+/-294.294 χ²/NDF:35.0/32
All: -249.800+/-210.836 χ²/NDF: 65.8/61

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.090+/-0.263 χ^2/NDF:121918.0/13

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

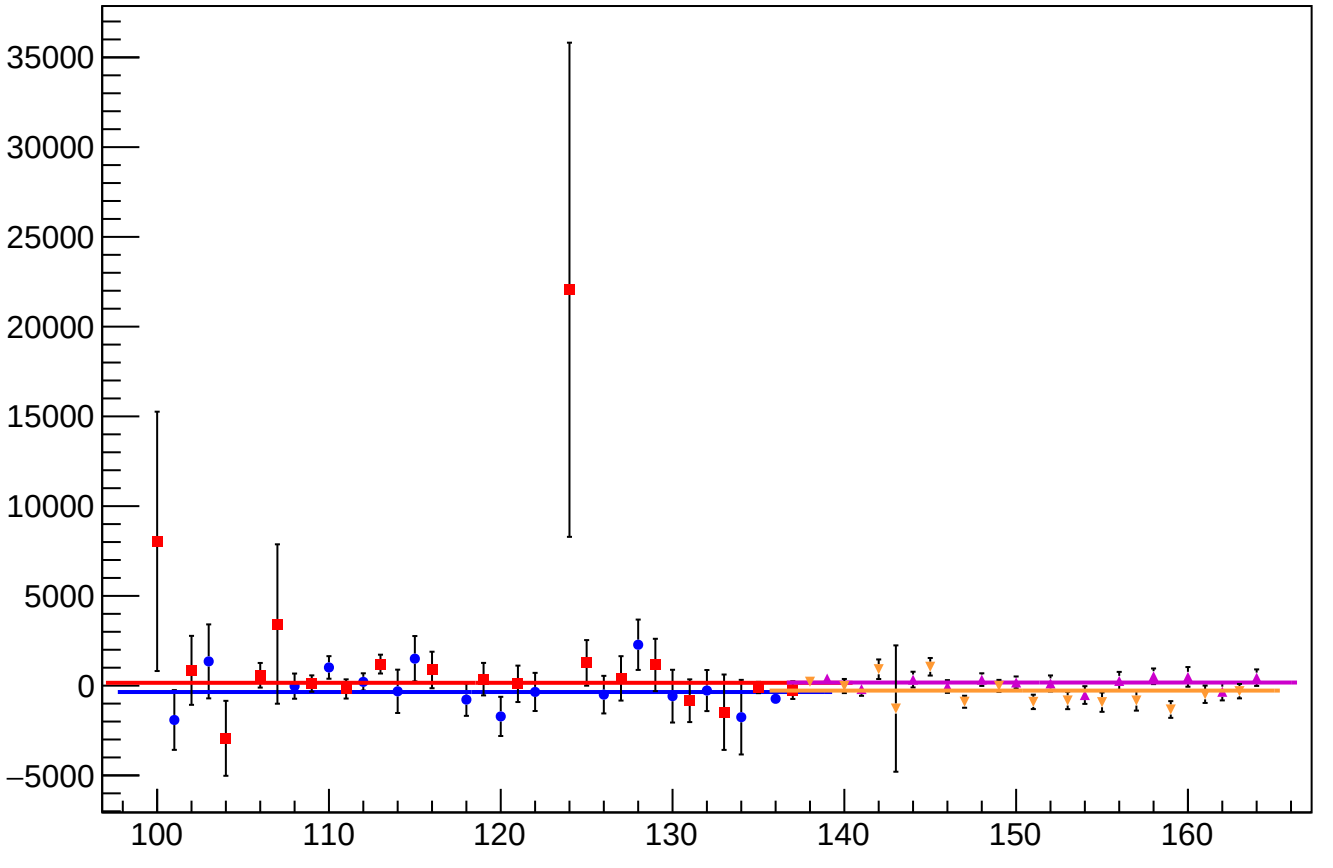
Left: 1255.383+/-0.189 χ^2/NDF: 144350.4/26

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1279.478+/-0.214 χ^2/NDF:526941.4/28

Out: 1257.899+/-0.208 χ^2/NDF:343501.1/32

All: 1268.402+/-0.149 χ^2/NDF: 875676.6/61



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -275.158+/-111.113 χ^2/NDF:32.2/13

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 173.598+/-111.097 χ^2/NDF:6.8/12

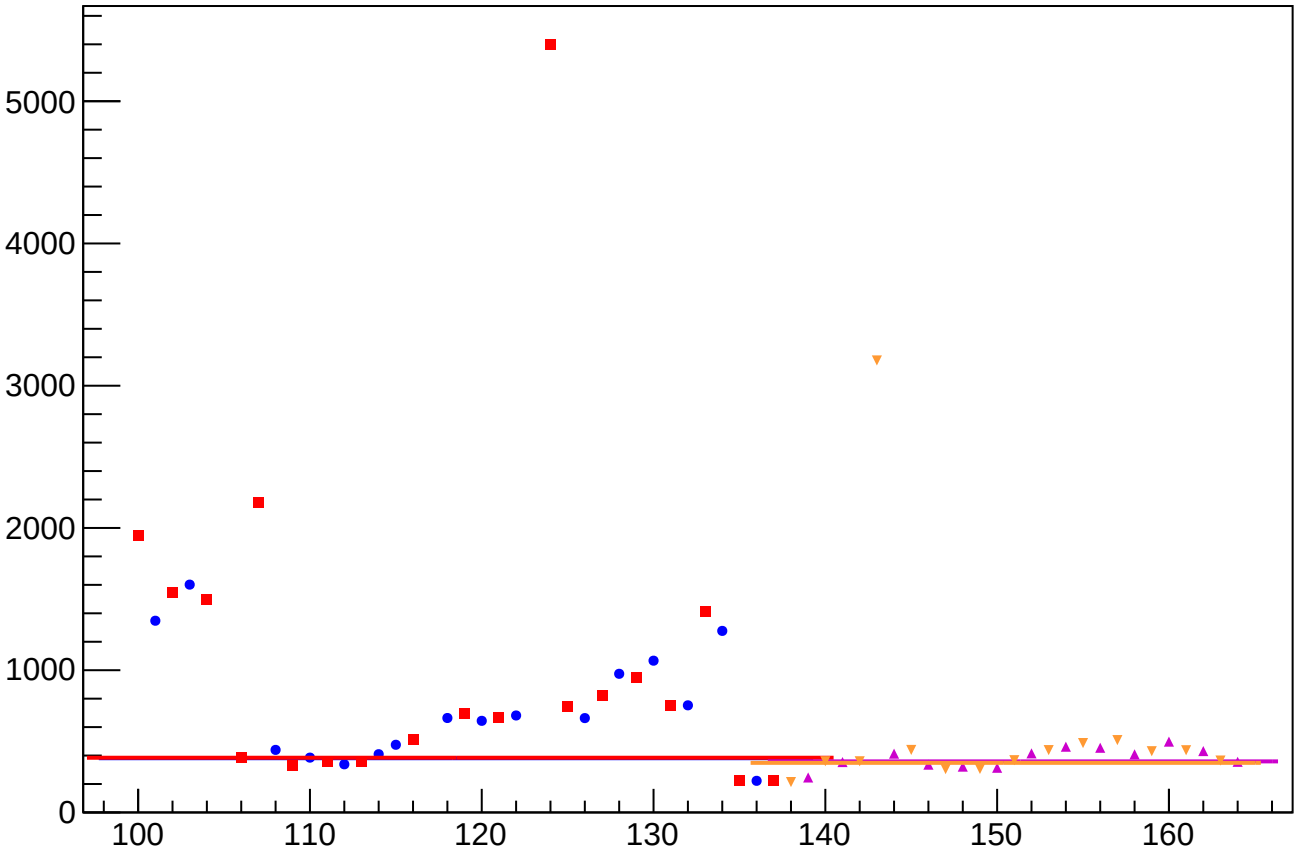
Left: -50.747+/-78.563 χ^2/NDF: 47.2/26

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 15.300+/-92.994 χ^2/NDF:32.0/28

Out: -145.165+/-92.954 χ^2/NDF:52.6/32

All: -64.967+/-65.742 χ^2/NDF: 86.1/61



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 348.822+/-0.079 χ^2/NDF:2546282.1/13

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 359.015+/-0.079 χ^2/NDF:823721.0/12

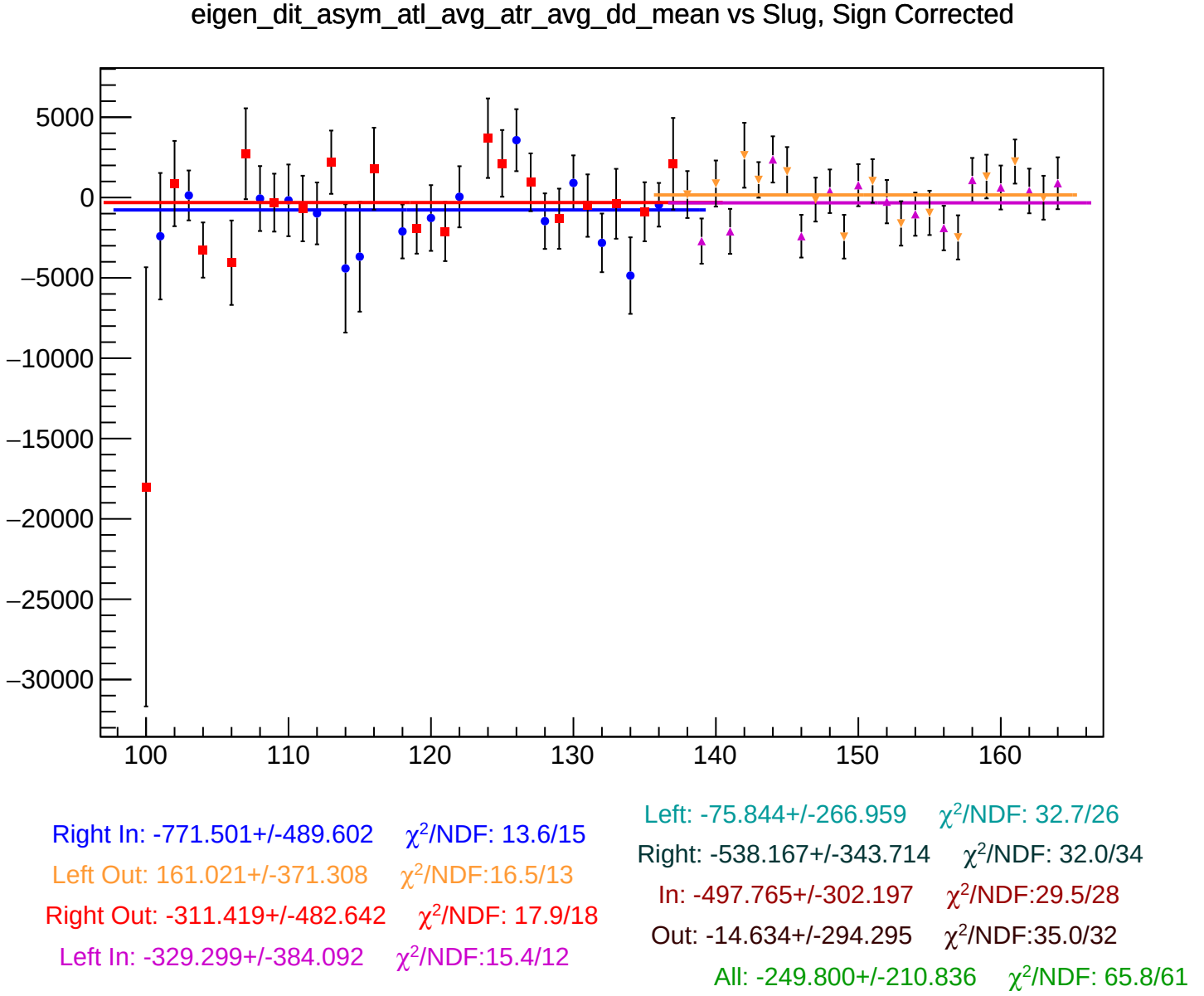
Left: 353.919+/-0.056 χ^2/NDF: 3378419.1/26

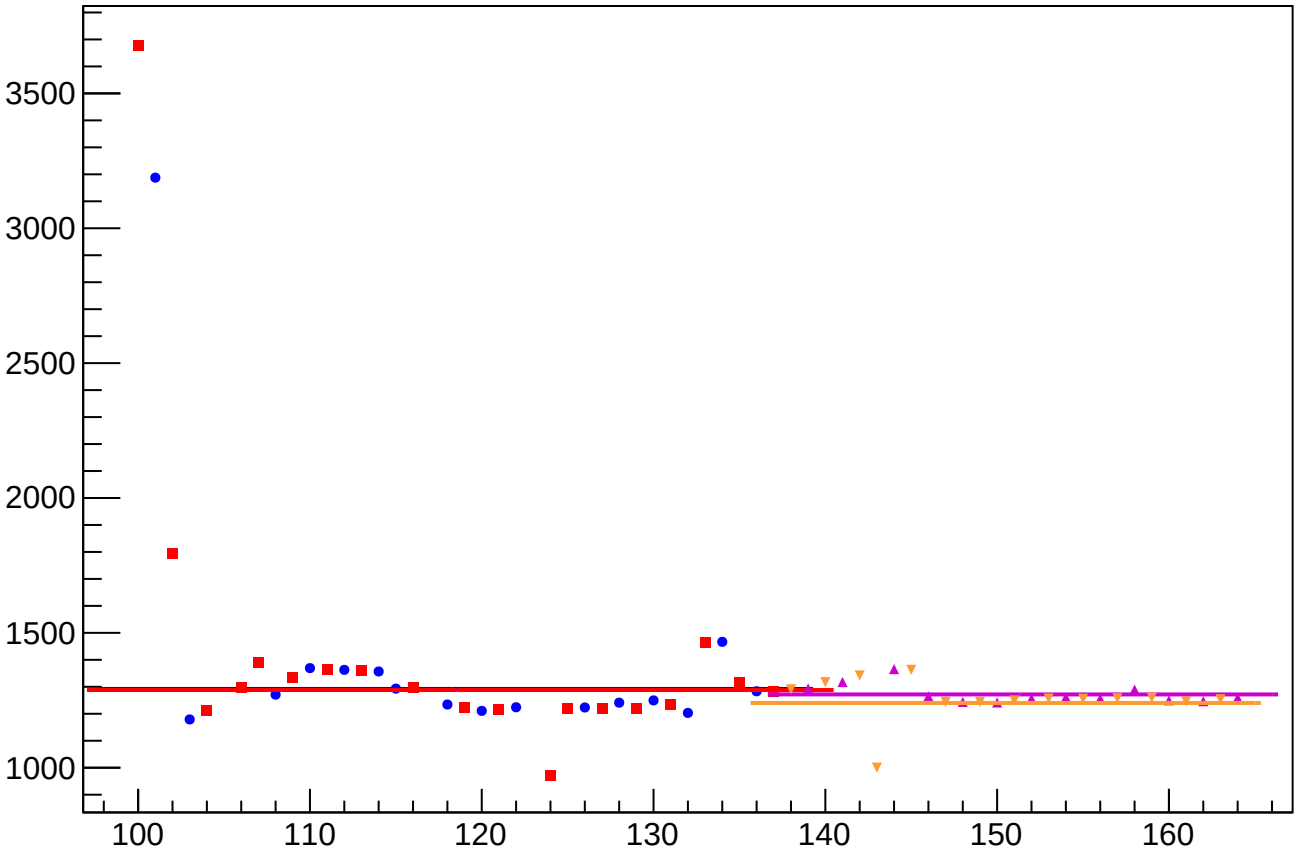
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 365.700+/-0.066 χ^2/NDF:5165839.4/28

Out: 359.576+/-0.066 χ^2/NDF:7168908.5/32

All: 362.637+/-0.046 χ^2/NDF: 12339086.5/61


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
160
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 161.021+/-371.308 χ²/NDF:16.5/13
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -329.299+/-384.092 χ²/NDF:15.4/12
Left: -75.844+/-266.959 χ²/NDF: 32.7/26
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -497.765+/-302.197 χ²/NDF:29.5/28
Out: -14.634+/-294.295 χ²/NDF:35.0/32
All: -249.800+/-210.836 χ²/NDF: 65.8/61



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.090+/-0.263 χ^2/NDF:121917.2/13

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

Left: 1255.383+/-0.189 χ^2/NDF: 144349.6/26

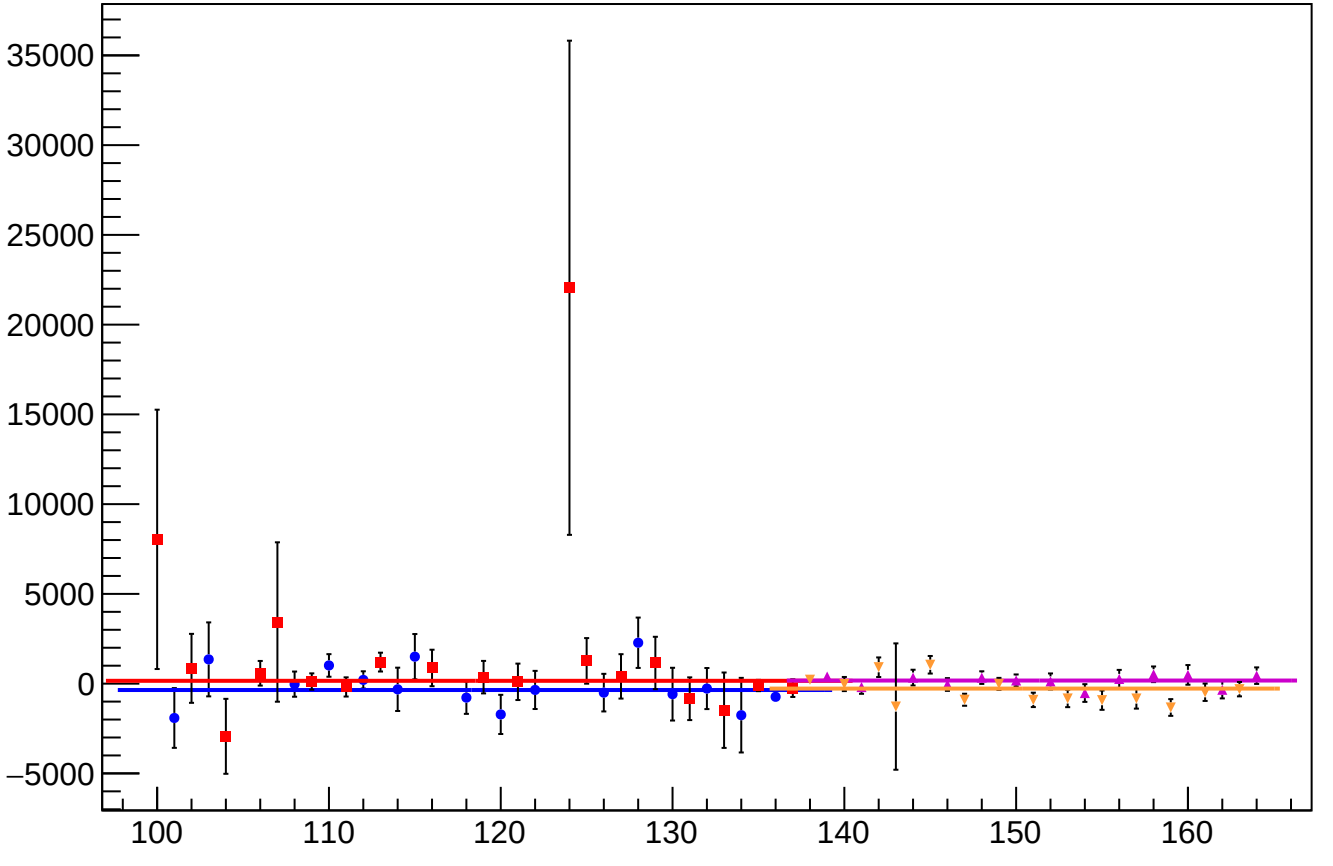
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1279.478+/-0.214 χ^2/NDF:526941.4/28

Out: 1257.899+/-0.208 χ^2/NDF:343500.5/32

All: 1268.403+/-0.149 χ^2/NDF: 875676.0/61

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: -275.168+/-111.115 χ^2/NDF:32.2/13

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 173.598+/-111.098 χ^2/NDF:6.8/12

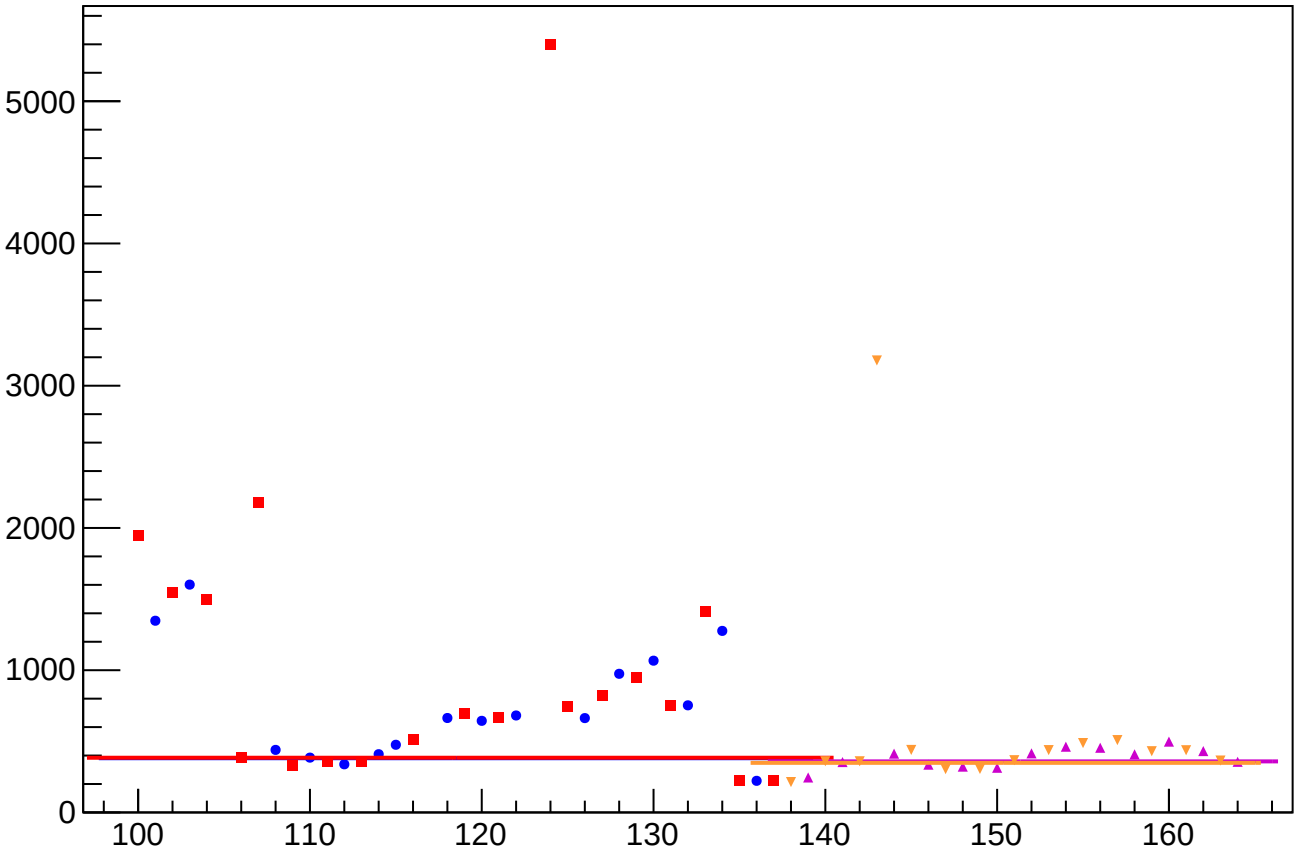
Left: -50.751+/-78.564 χ^2/NDF: 47.2/26

Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 15.302+/-92.995 χ^2/NDF:32.0/28

Out: -145.171+/-92.955 χ^2/NDF:52.6/32

All: -64.969+/-65.743 χ^2/NDF: 86.1/61



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 348.827+/-0.079 χ^2/NDF:2546099.4/13

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 359.018+/-0.079 χ^2/NDF:823611.7/12

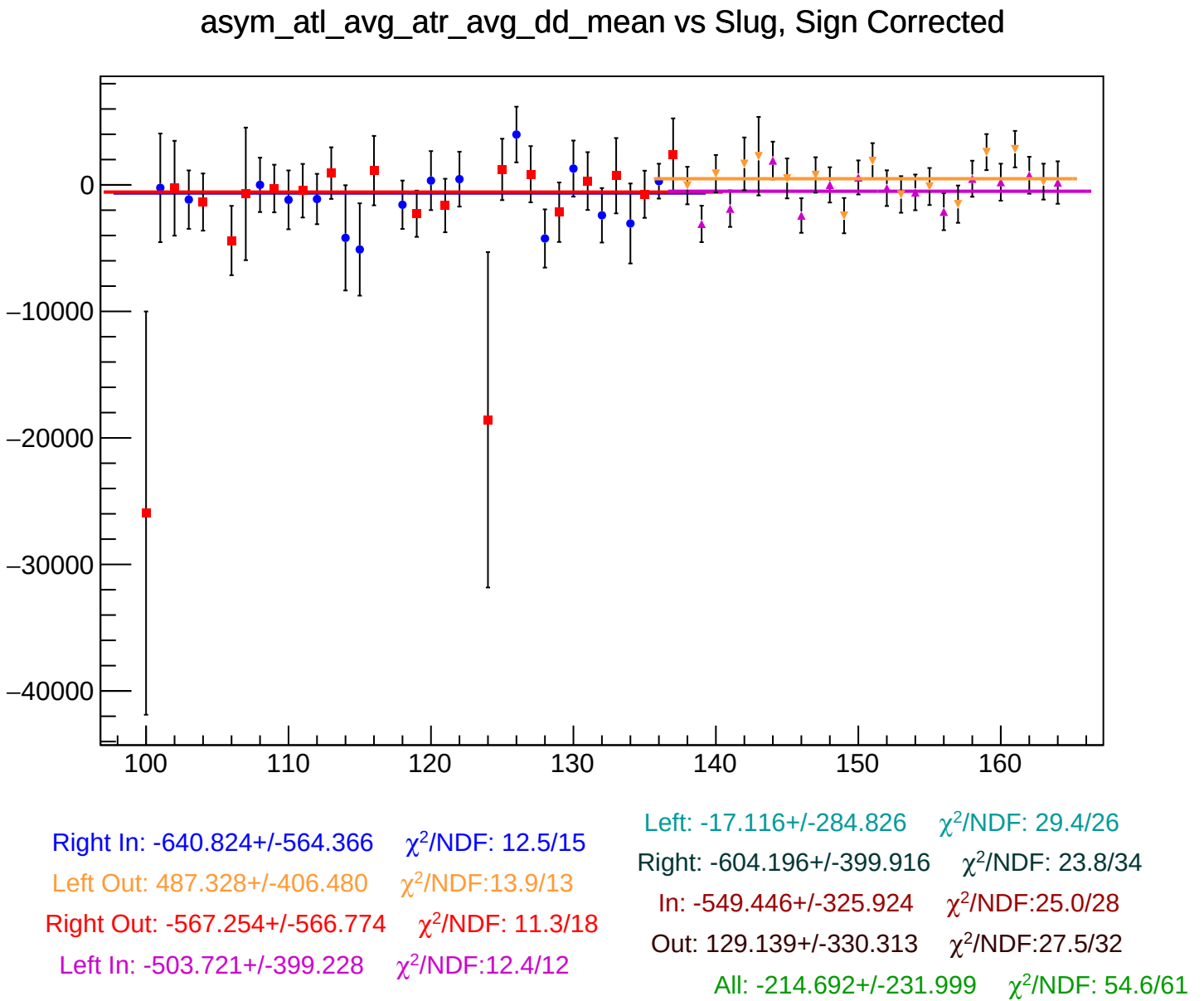
Left: 353.924+/-0.056 χ^2/NDF: 3378124.3/26

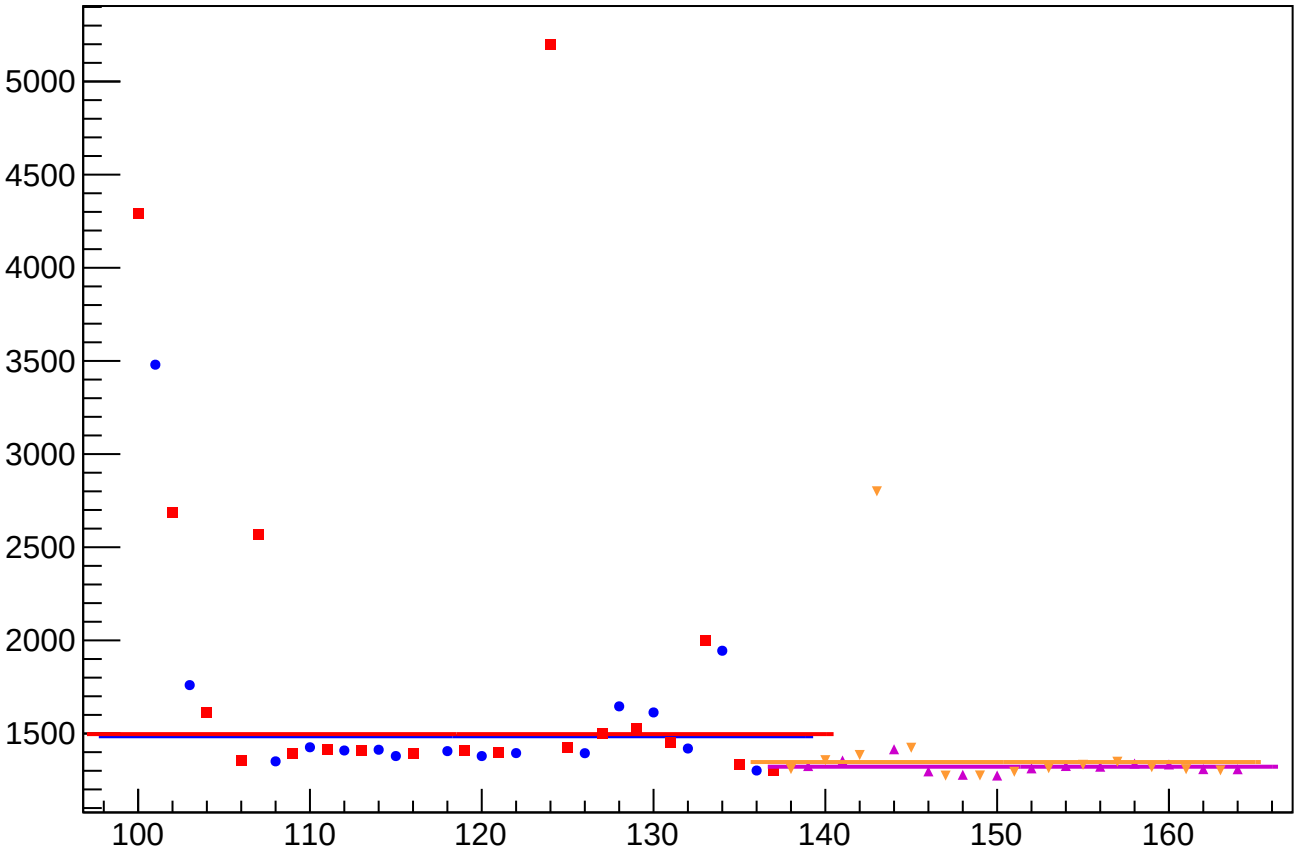
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 365.706+/-0.066 χ^2/NDF:5165557.5/28

Out: 359.582+/-0.066 χ^2/NDF:7168592.2/32

All: 362.643+/-0.046 χ^2/NDF: 12338487.5/61


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: 487.328+/-406.480 χ²/NDF:13.9/13
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -503.721+/-399.228 χ²/NDF:12.4/12
Left: -17.116+/-284.826 χ²/NDF: 29.4/26
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -549.446+/-325.924 χ²/NDF:25.0/28
Out: 129.139+/-330.313 χ²/NDF:27.5/32
All: -214.692+/-231.999 χ²/NDF: 54.6/61



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1347.004+/-0.287 χ^2/NDF:464274.6/13

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1321.840+/-0.282 χ^2/NDF:14847.2/12

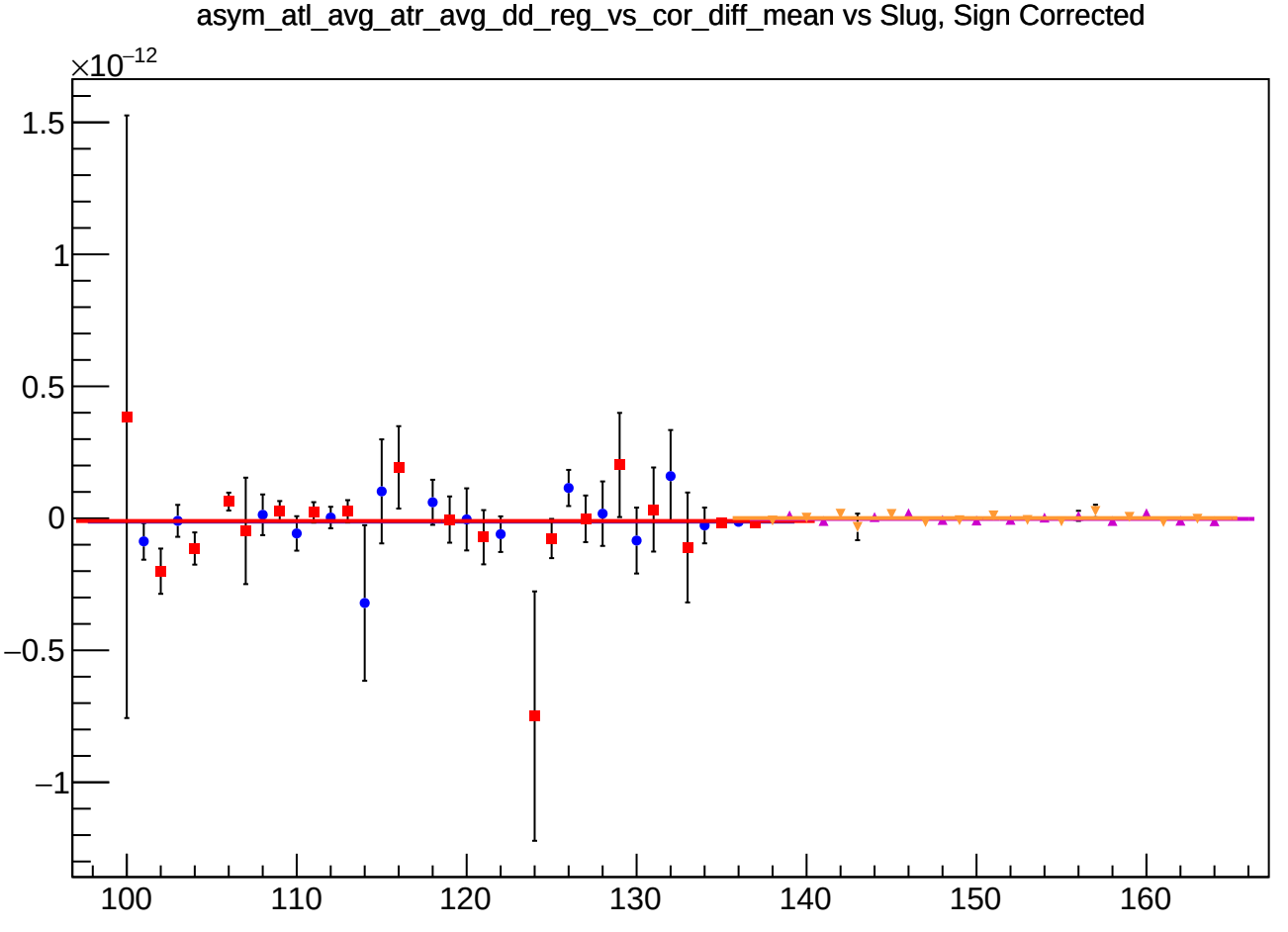
Left: 1334.196+/-0.201 χ^2/NDF: 483023.3/26

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1376.380+/-0.230 χ^2/NDF:711234.3/28

Out: 1397.905+/-0.234 χ^2/NDF:1179902.1/32

All: 1386.998+/-0.164 χ^2/NDF: 1895439.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/12

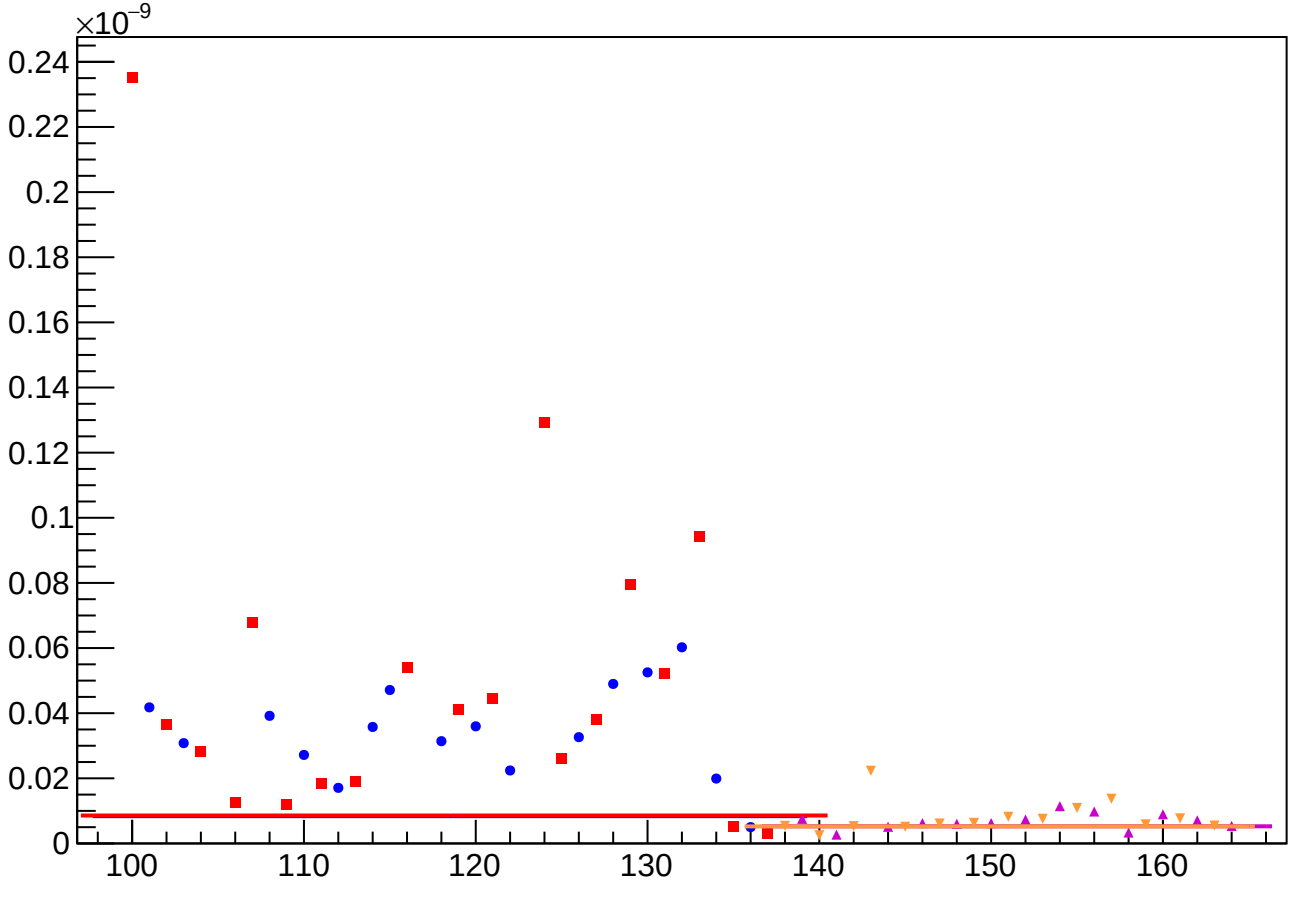
Left: -0.000+/-0.000 χ^2/NDF: 28.1/26

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:24.7/28

Out: -0.000+/-0.000 χ^2/NDF:37.8/32

All: -0.000+/-0.000 χ^2/NDF: 63.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1619189.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1252093.5/12

Left: 0.000+/-0.000 χ^2/NDF: 2871424.4/26

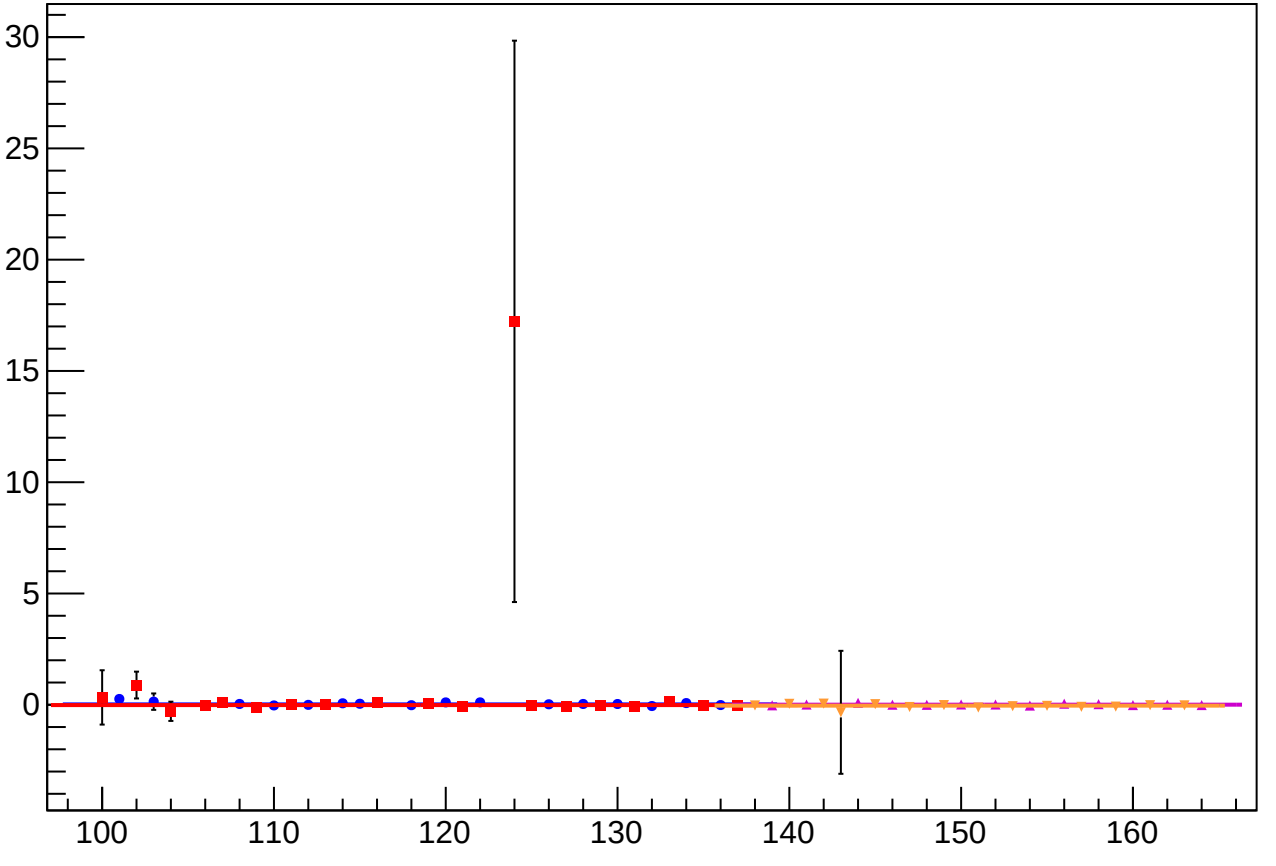
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4619852.7/28

Out: 0.000+/-0.000 χ^2/NDF:5279686.6/32

All: 0.000+/-0.000 χ^2/NDF: 9900228.3/61

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: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

Left: -0.017+/-0.008 χ^2/NDF: 30.1/26

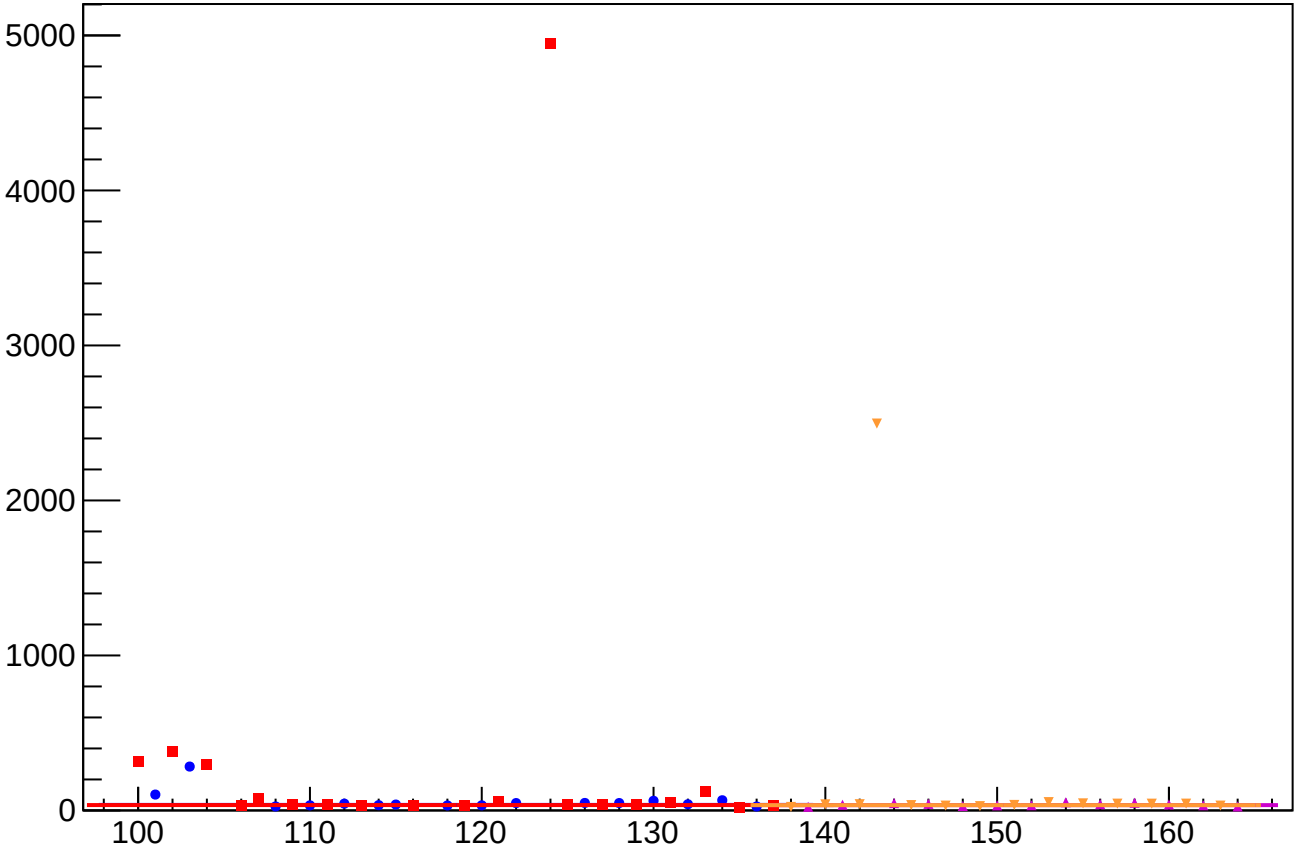
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/61

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: 34.188+/-0.008 χ^2/NDF:2616034.2/13

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

Left: 34.276+/-0.006 χ^2/NDF: 3664312.2/26

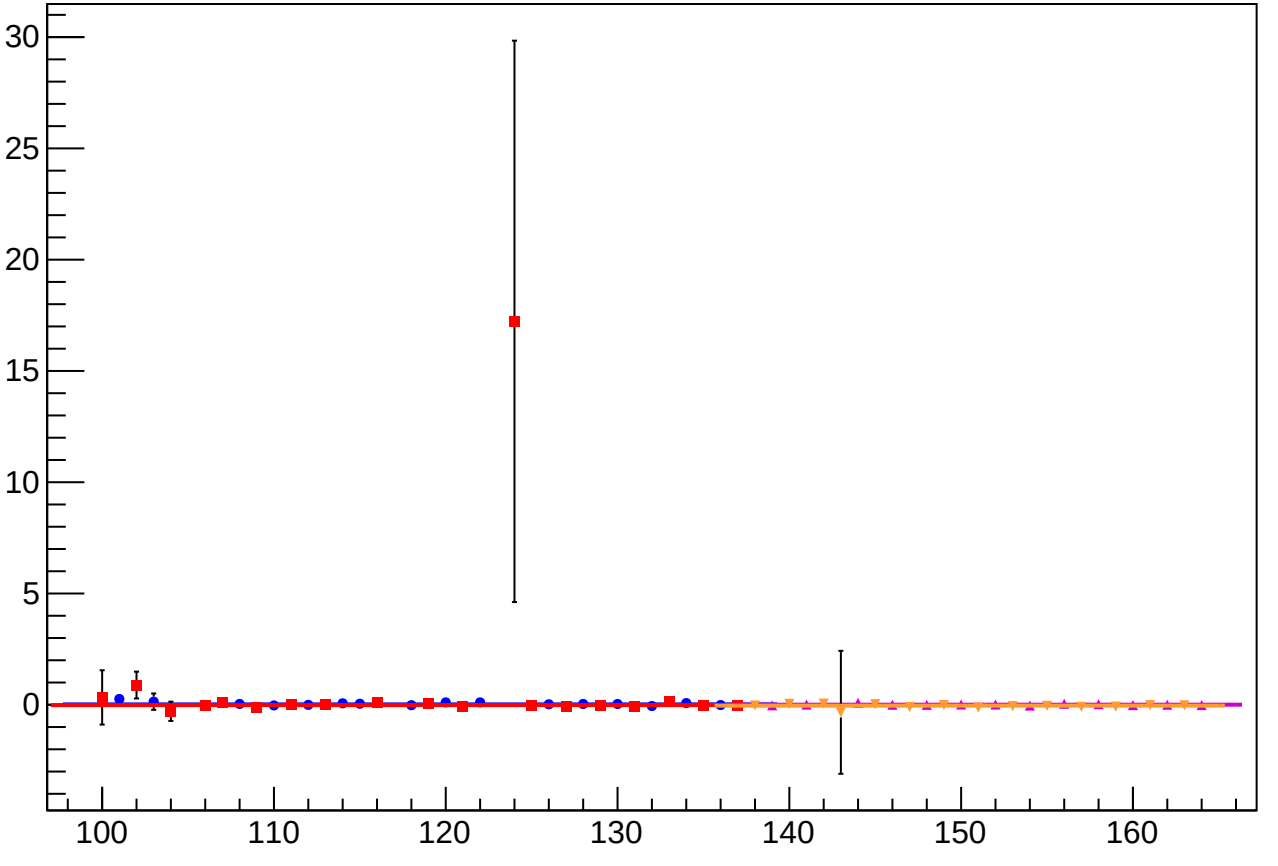
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.848+/-0.006 χ^2/NDF:3323182.9/28

Out: 34.404+/-0.007 χ^2/NDF:5532128.7/32

All: 34.629+/-0.005 χ^2/NDF: 8857622.9/61

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: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

Left: -0.017+/-0.008 χ^2/NDF: 30.1/26

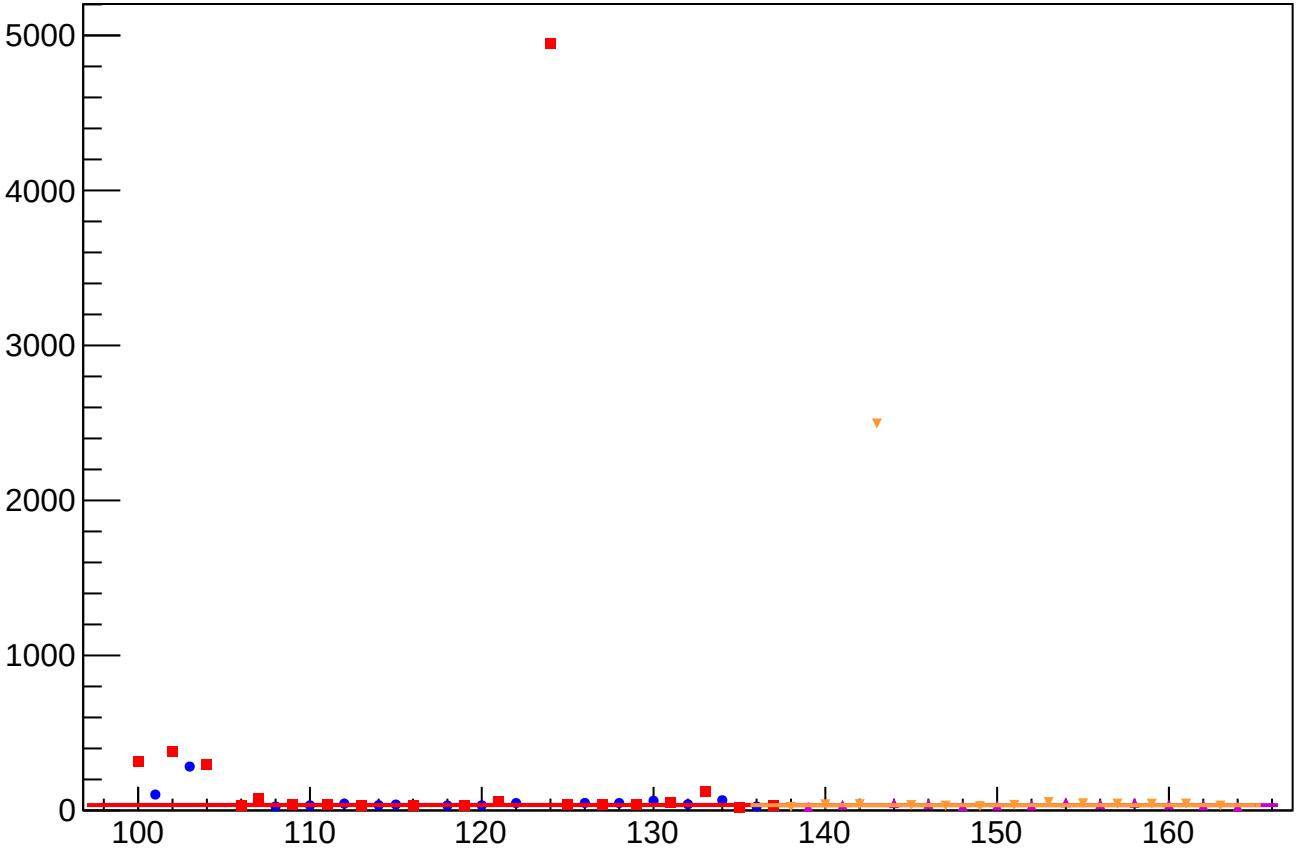
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/61

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: 34.188+/-0.008 χ^2/NDF:2616034.2/13

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

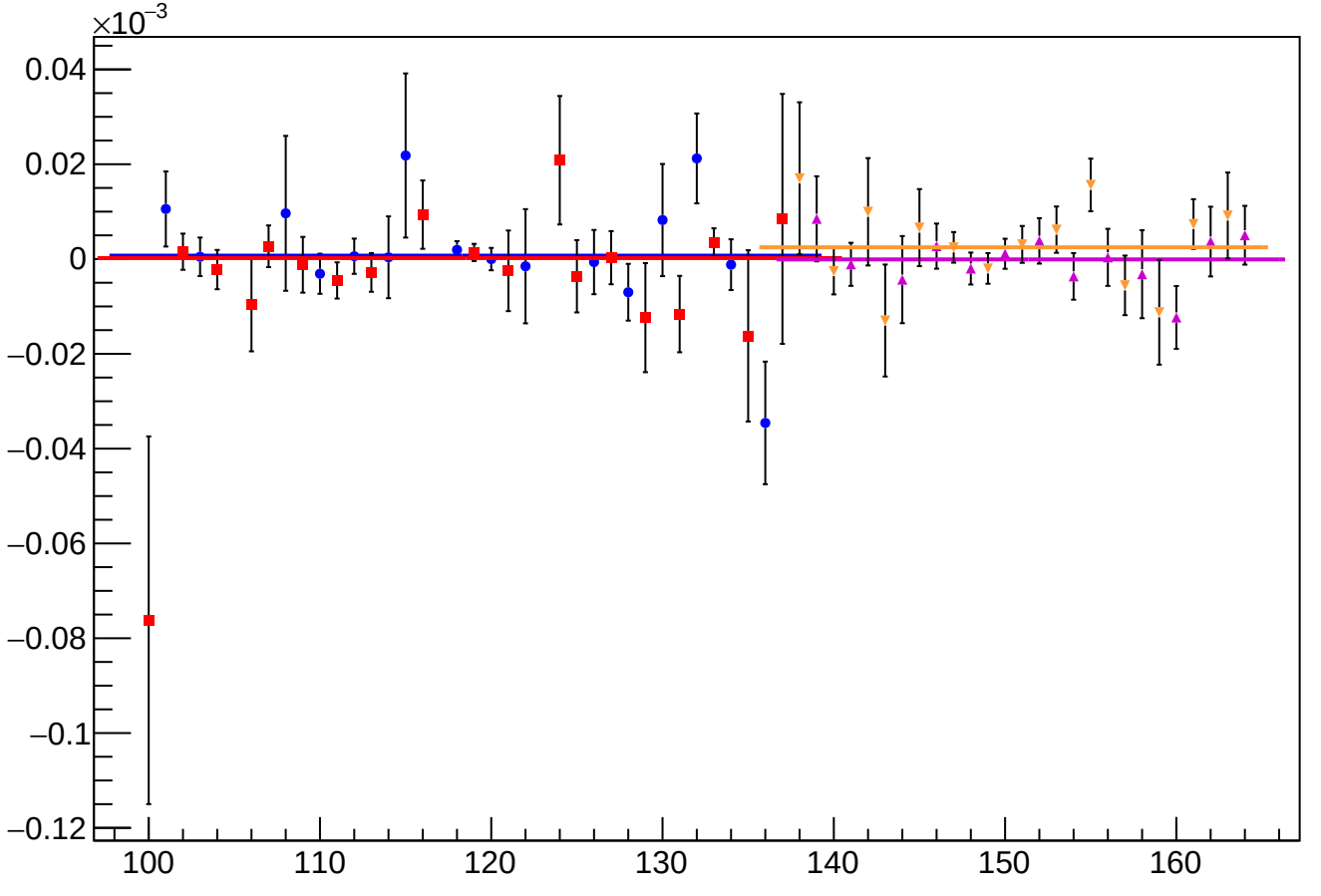
Left: 34.276+/-0.006 χ^2/NDF: 3664312.2/26

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.848+/-0.006 χ^2/NDF:3323182.9/28

Out: 34.404+/-0.007 χ^2/NDF:5532128.7/32

All: 34.629+/-0.005 χ^2/NDF: 8857622.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/12

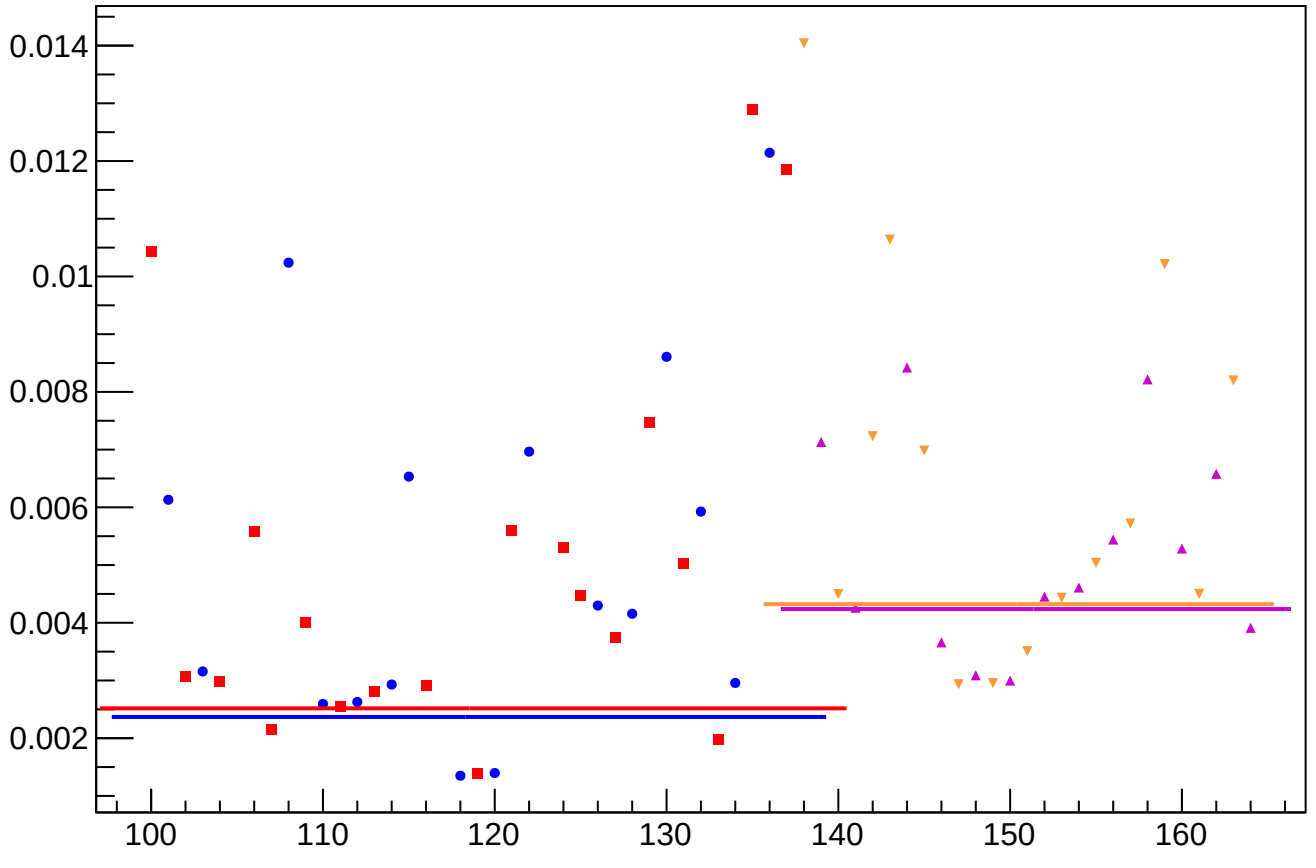
Left: 0.000+/-0.000 χ^2/NDF: 26.3/26

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:26.9/28

Out: 0.000+/-0.000 χ^2/NDF:36.7/32

All: 0.000+/-0.000 χ^2/NDF: 63.9/61



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3540393.4/13

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1911447.7/12

Left: 0.004+/-0.000 χ^2/NDF: 5455412.1/26

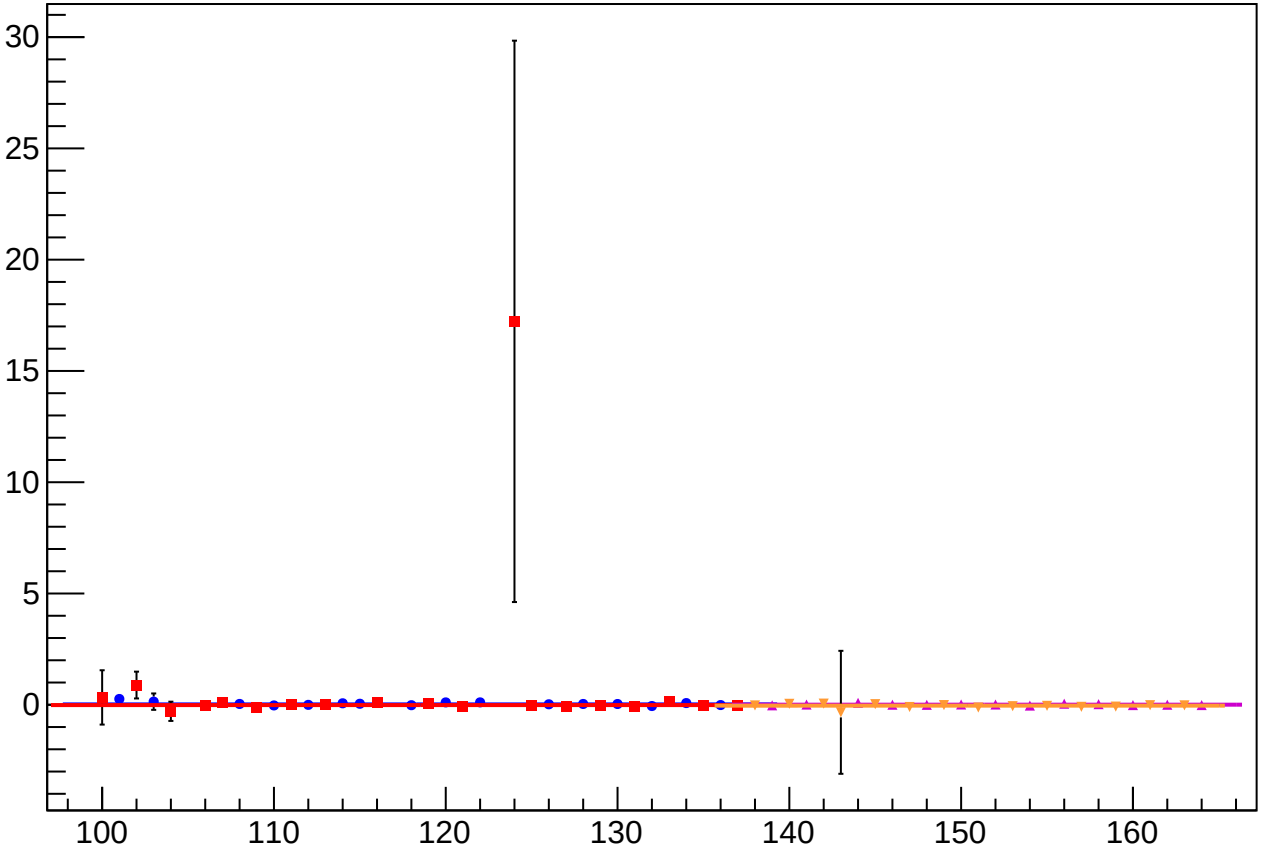
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8789630.1/28

Out: 0.003+/-0.000 χ^2/NDF:8991659.8/32

All: 0.003+/-0.000 χ^2/NDF: 17791541.1/61

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: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

Left: -0.017+/-0.008 χ^2/NDF: 30.1/26

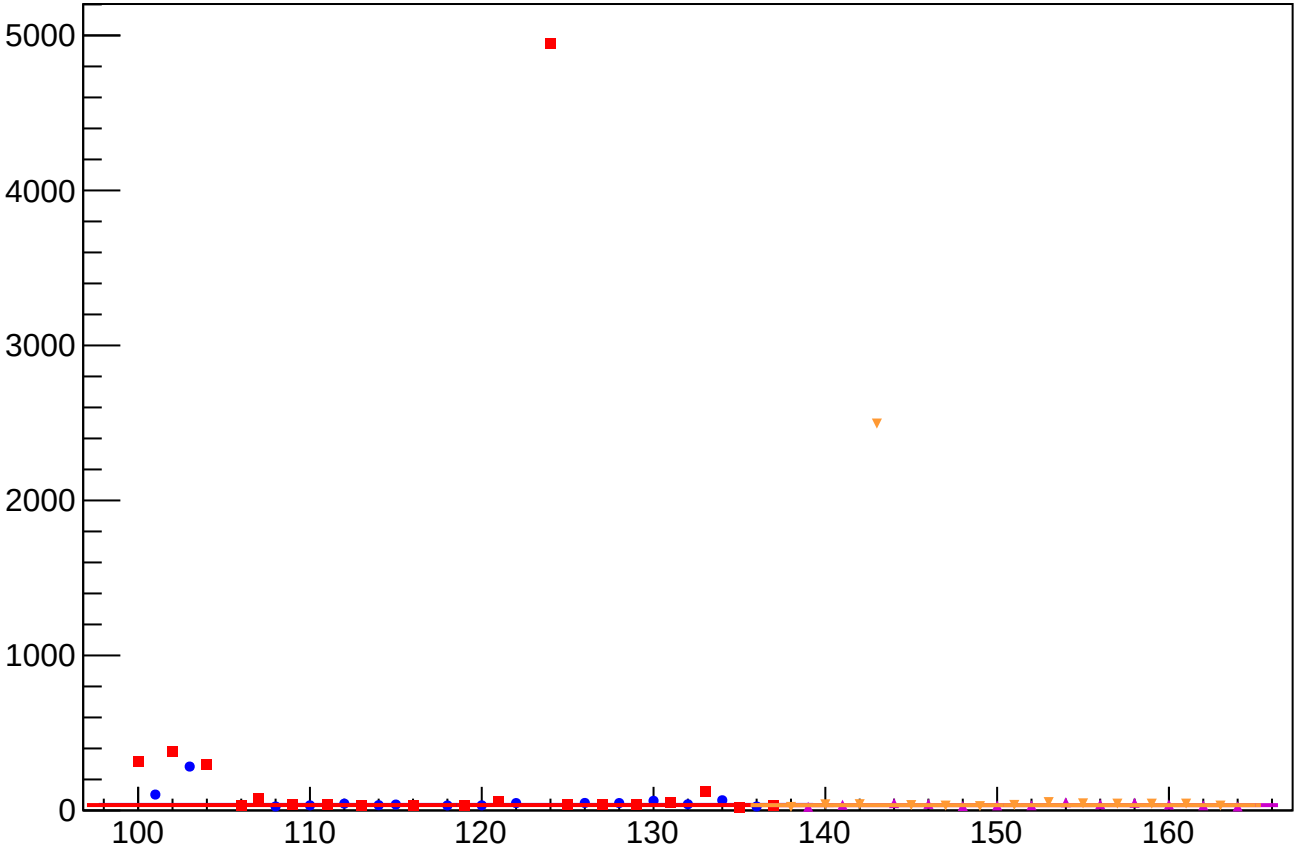
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/61

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: 34.188+/-0.008 χ^2/NDF:2616363.8/13

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

Left: 34.275+/-0.006 χ^2/NDF: 3665321.1/26

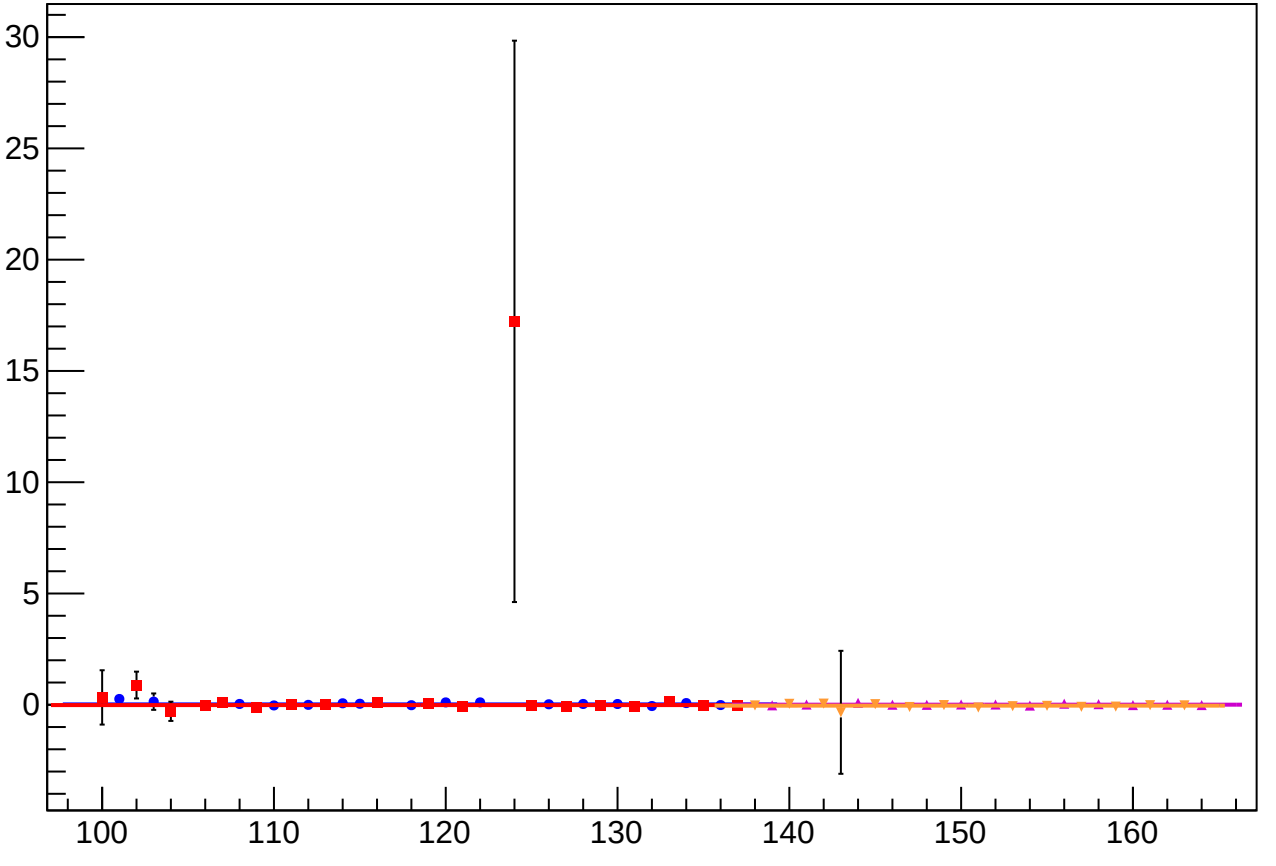
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.848+/-0.006 χ^2/NDF:3323640.0/28

Out: 34.404+/-0.007 χ^2/NDF:5532293.6/32

All: 34.629+/-0.005 χ^2/NDF: 8858238.0/61

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: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

Left: -0.017+/-0.008 χ^2/NDF: 30.1/26

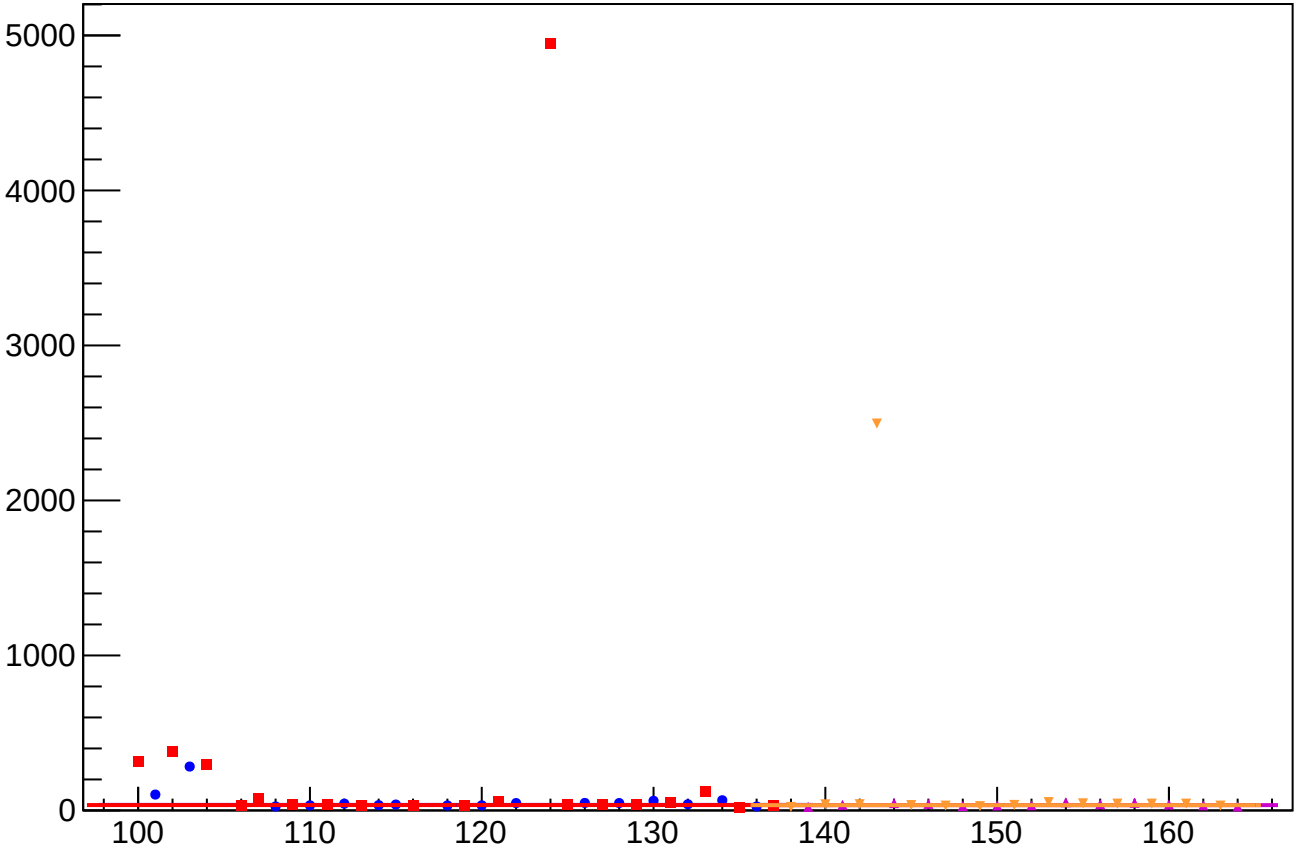
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/61

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: 34.188+/-0.008 χ^2/NDF:2616363.8/13

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

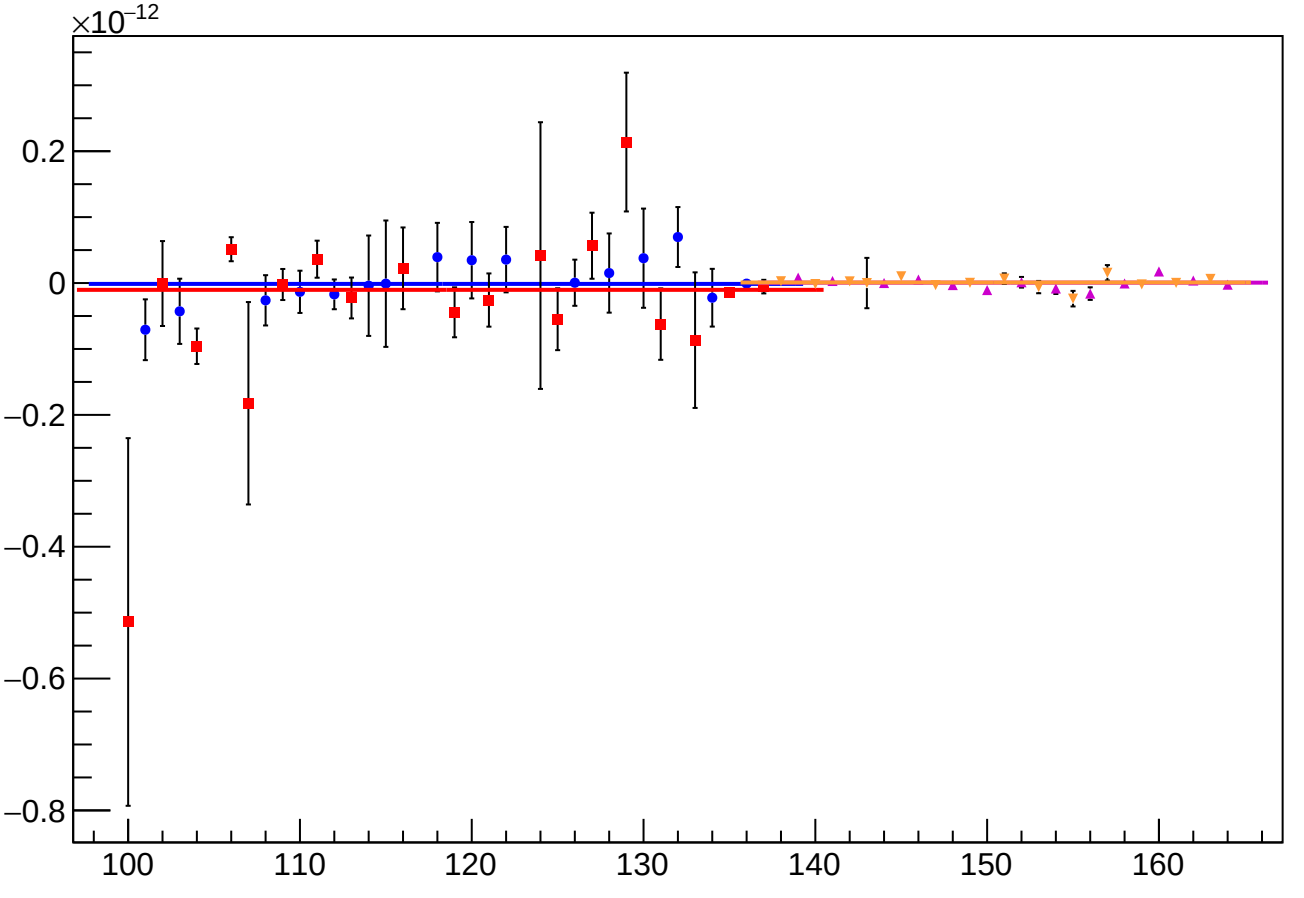
Left: 34.275+/-0.006 χ^2/NDF: 3665321.1/26

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.848+/-0.006 χ^2/NDF:3323640.0/28

Out: 34.404+/-0.007 χ^2/NDF:5532293.6/32

All: 34.629+/-0.005 χ^2/NDF: 8858238.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/13

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/12

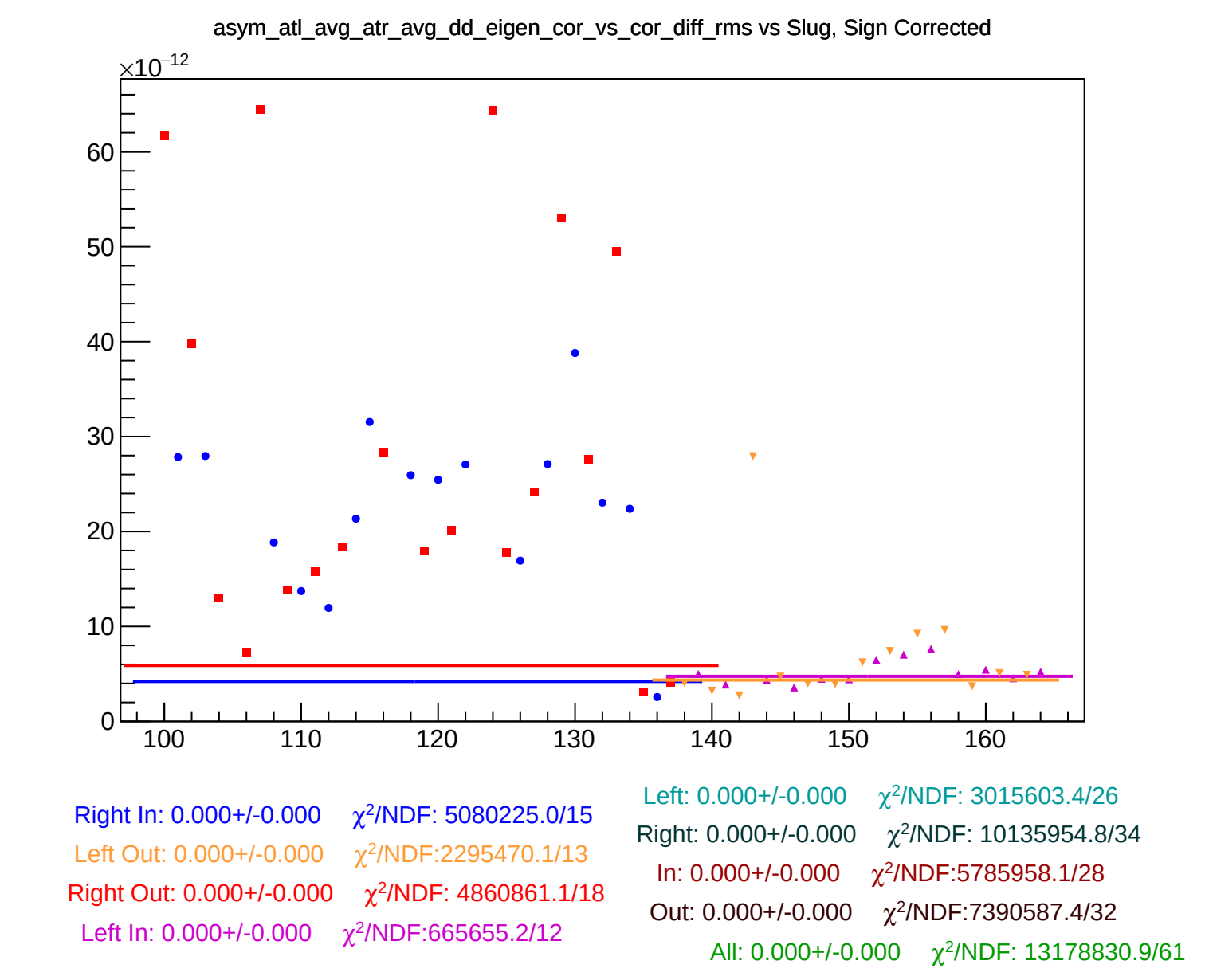
Left: 0.000+/-0.000 χ^2/NDF: 28.7/26

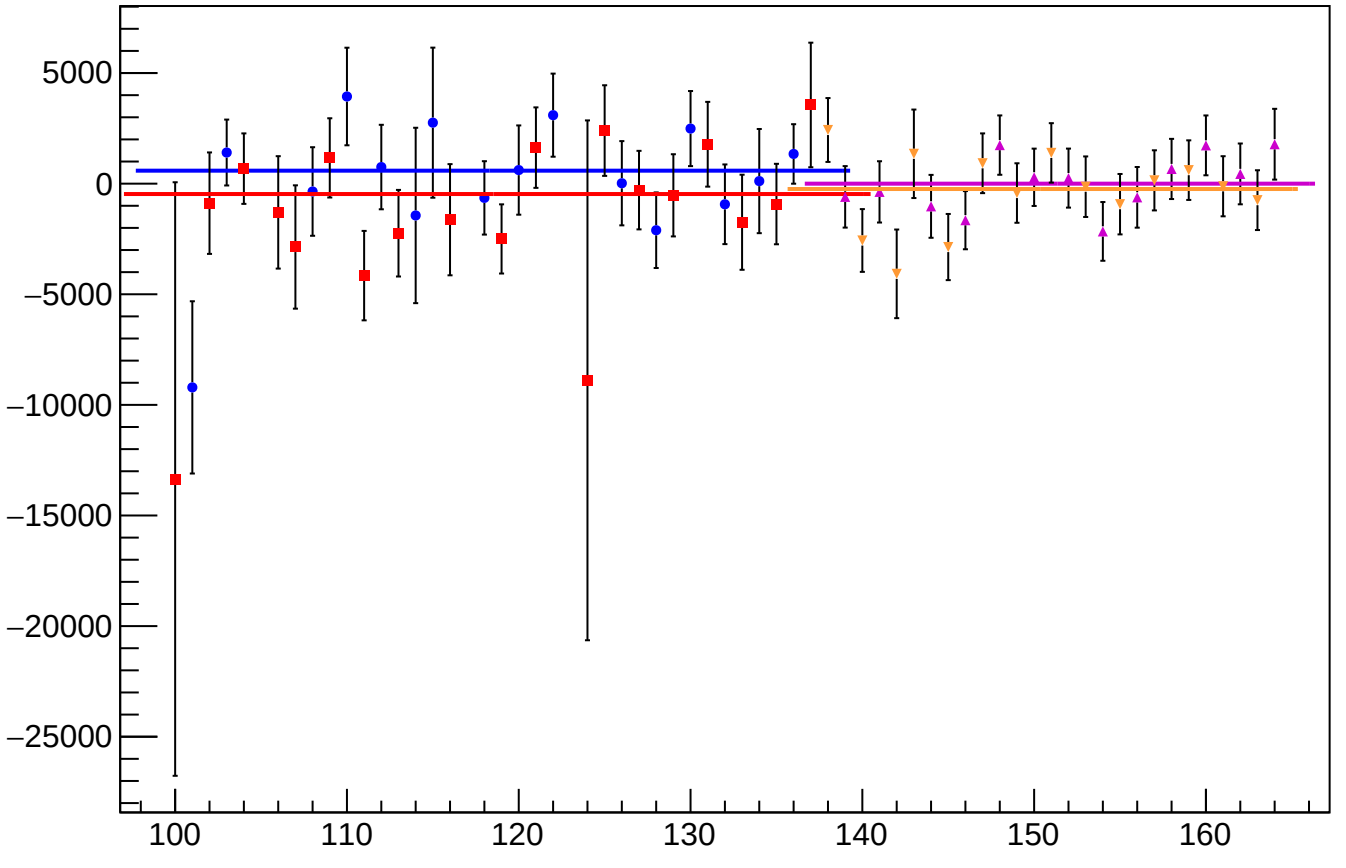
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:26.2/28

Out: -0.000+/-0.000 χ^2/NDF:57.4/32

All: -0.000+/-0.000 χ^2/NDF: 83.8/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2295470.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:665655.2/12
Left: 0.000+/-0.000 χ²/NDF: 3015603.4/26
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5785958.1/28
Out: 0.000+/-0.000 χ²/NDF:7390587.4/32
All: 0.000+/-0.000 χ²/NDF: 13178830.9/61



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.417+/-382.621 χ^2/NDF:16.6/13

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -0.394+/-379.805 χ^2/NDF:10.2/12

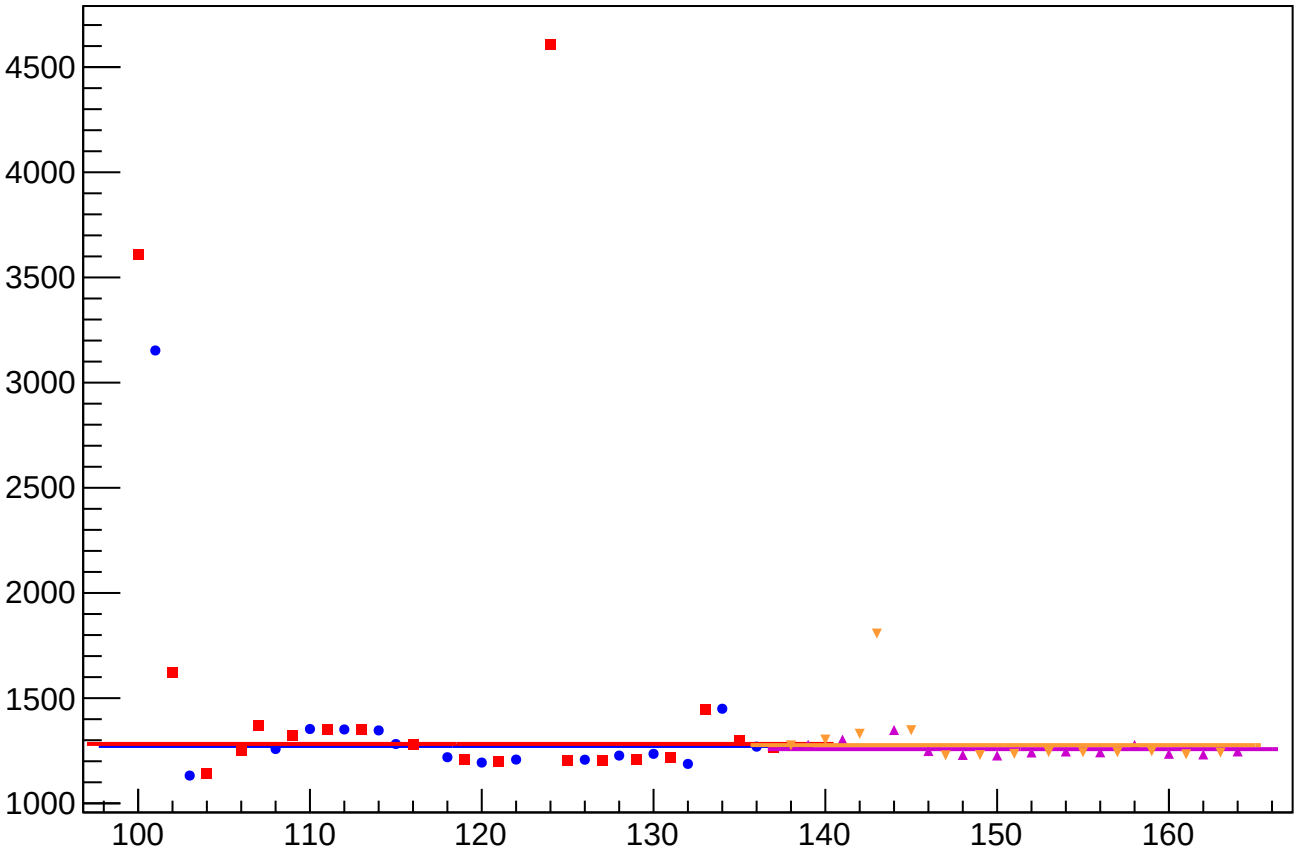
Left: -120.511+/-269.553 χ^2/NDF: 27.0/26

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 224.340+/-298.422 χ^2/NDF:28.2/28

Out: -330.341+/-299.320 χ^2/NDF:33.6/32

All: -52.167+/-211.333 χ^2/NDF: 63.5/61



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

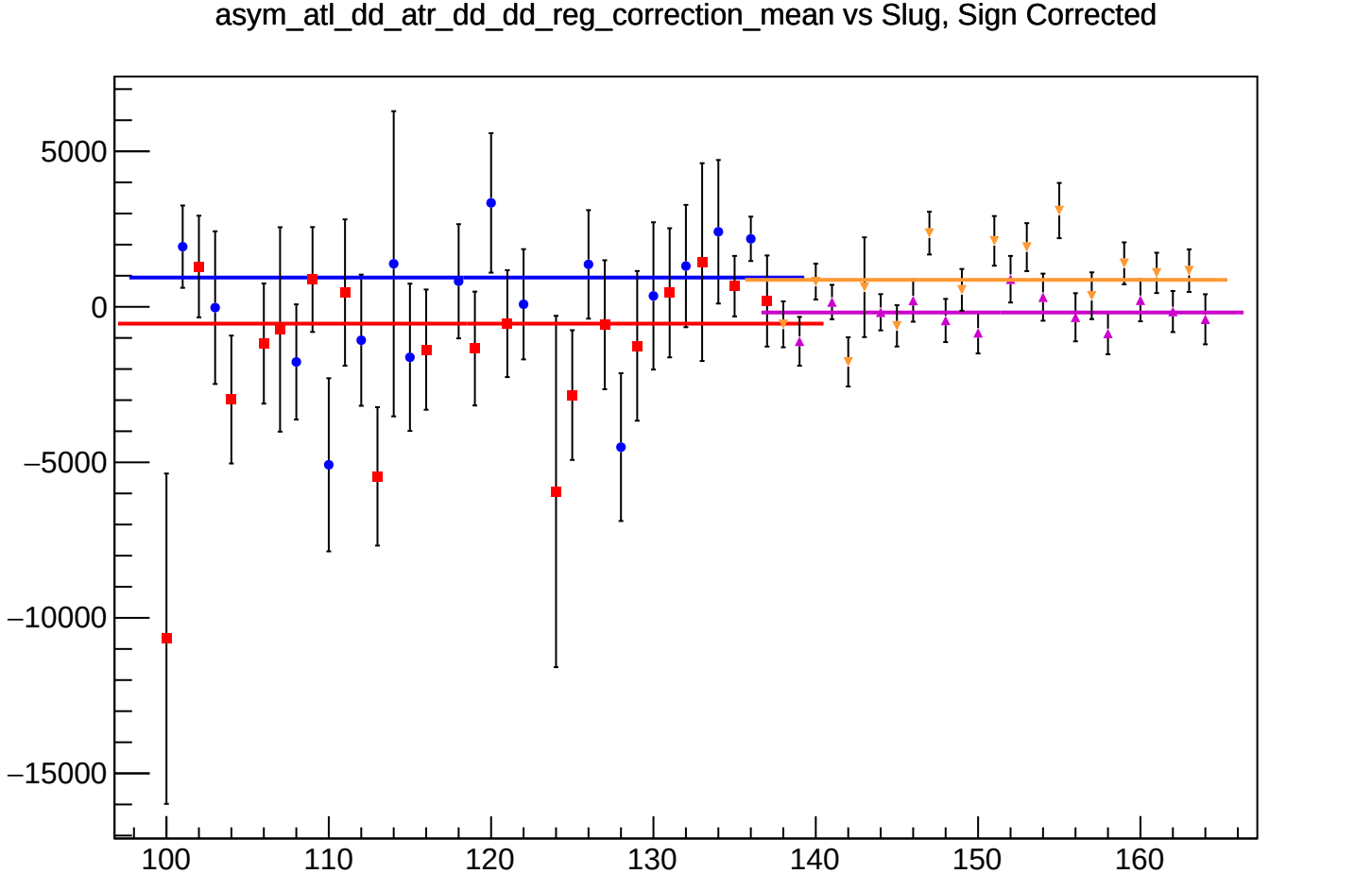
Left: 1267.094+/-0.191 χ^2/NDF: 179936.0/26

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1263.406+/-0.211 χ^2/NDF:535742.5/28

Out: 1278.928+/-0.212 χ^2/NDF:484438.7/32

All: 1271.144+/-0.149 χ^2/NDF: 1022878.5/61



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 867.249+/-194.533 χ^2/NDF:36.9/13

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -181.537+/-189.763 χ^2/NDF:7.1/12

Left: 329.839+/-135.838 χ^2/NDF: 58.9/26

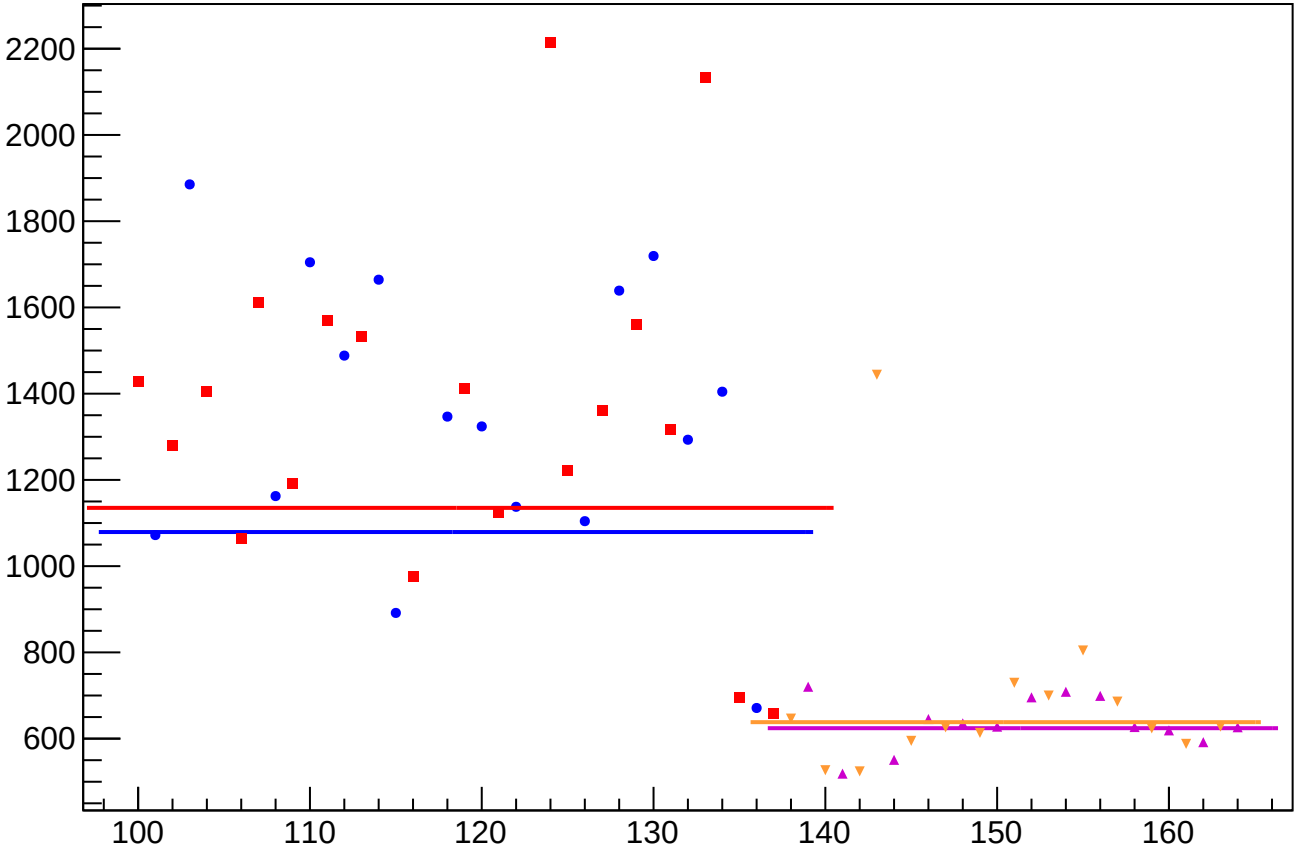
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 4.571+/-173.332 χ^2/NDF:32.8/28

Out: 636.965+/-177.914 χ^2/NDF:62.6/32

All: 312.519+/-124.152 χ^2/NDF: 101.9/61

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 638.181+/-0.138 χ^2/NDF:763984.5/13

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 624.194+/-0.134 χ^2/NDF:203552.6/12

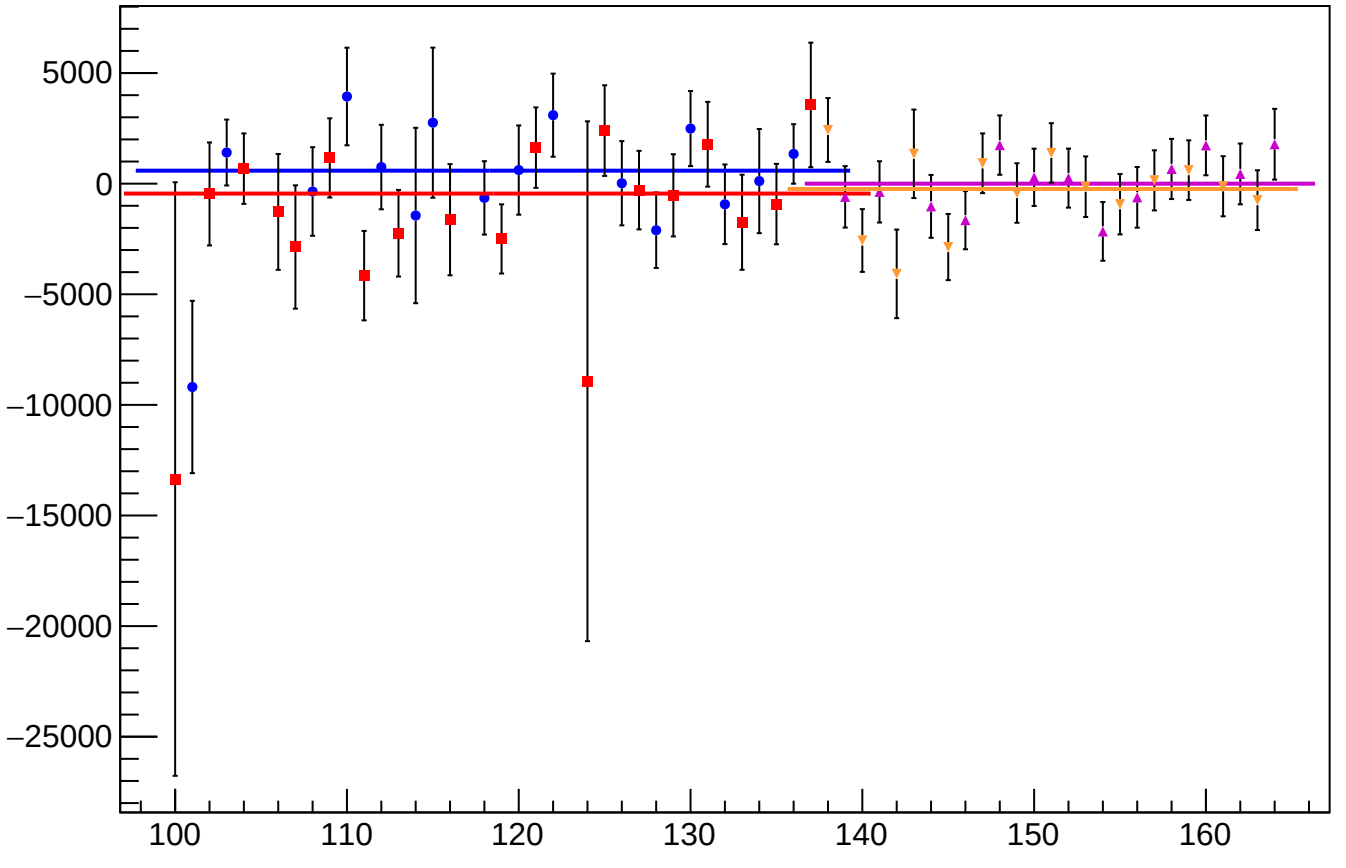
Left: 631.014+/-0.096 χ^2/NDF: 972835.0/26

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 699.566+/-0.123 χ^2/NDF:3590177.7/28

Out: 719.472+/-0.126 χ^2/NDF:4192172.6/32

All: 709.259+/-0.088 χ^2/NDF: 7795194.7/61



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.538+/-382.621 χ^2/NDF:16.6/13

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -0.410+/-379.805 χ^2/NDF:10.2/12

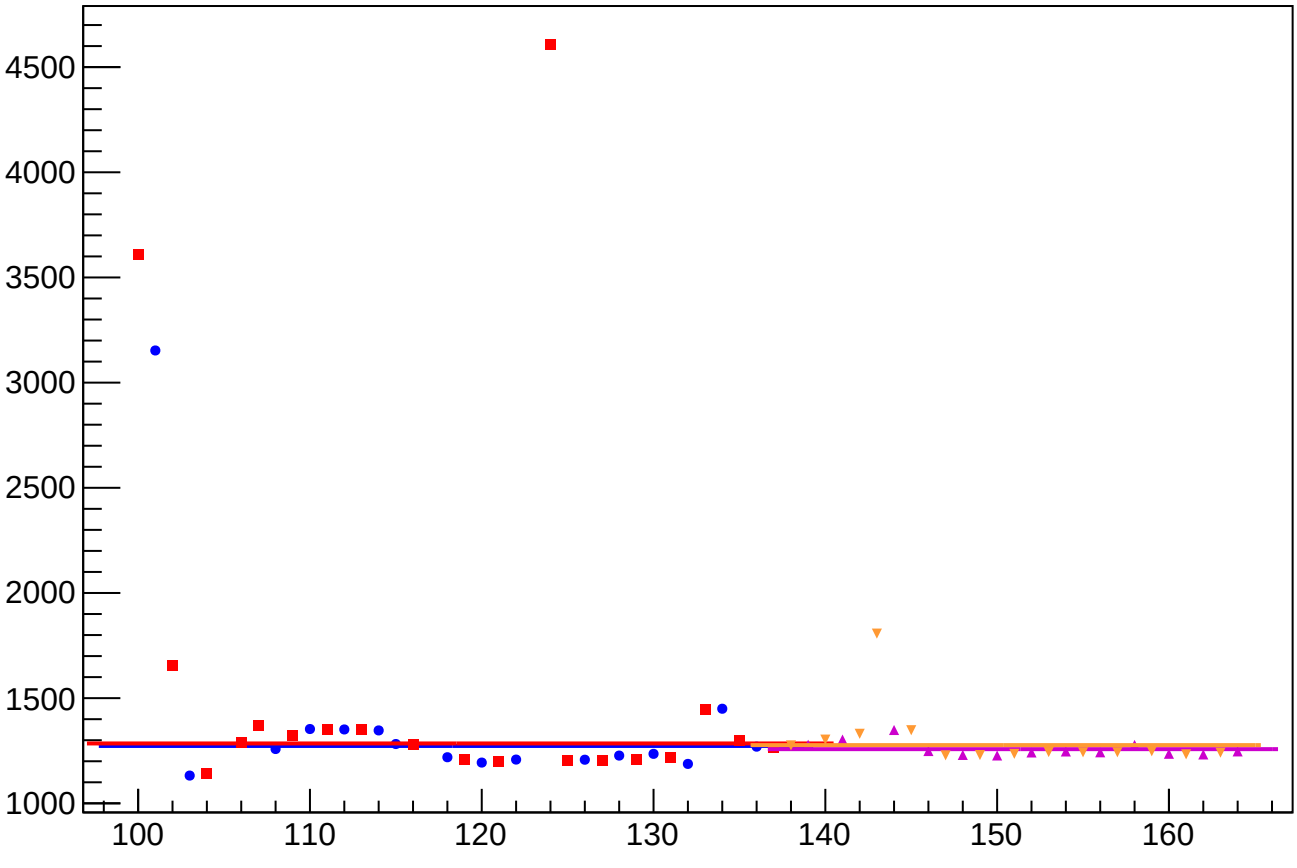
Left: -120.580+/-269.553 χ^2/NDF: 27.0/26

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 224.452+/-298.422 χ^2/NDF:28.2/28

Out: -322.256+/-299.518 χ^2/NDF:33.5/32

All: -47.900+/-211.403 χ^2/NDF: 63.4/61



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

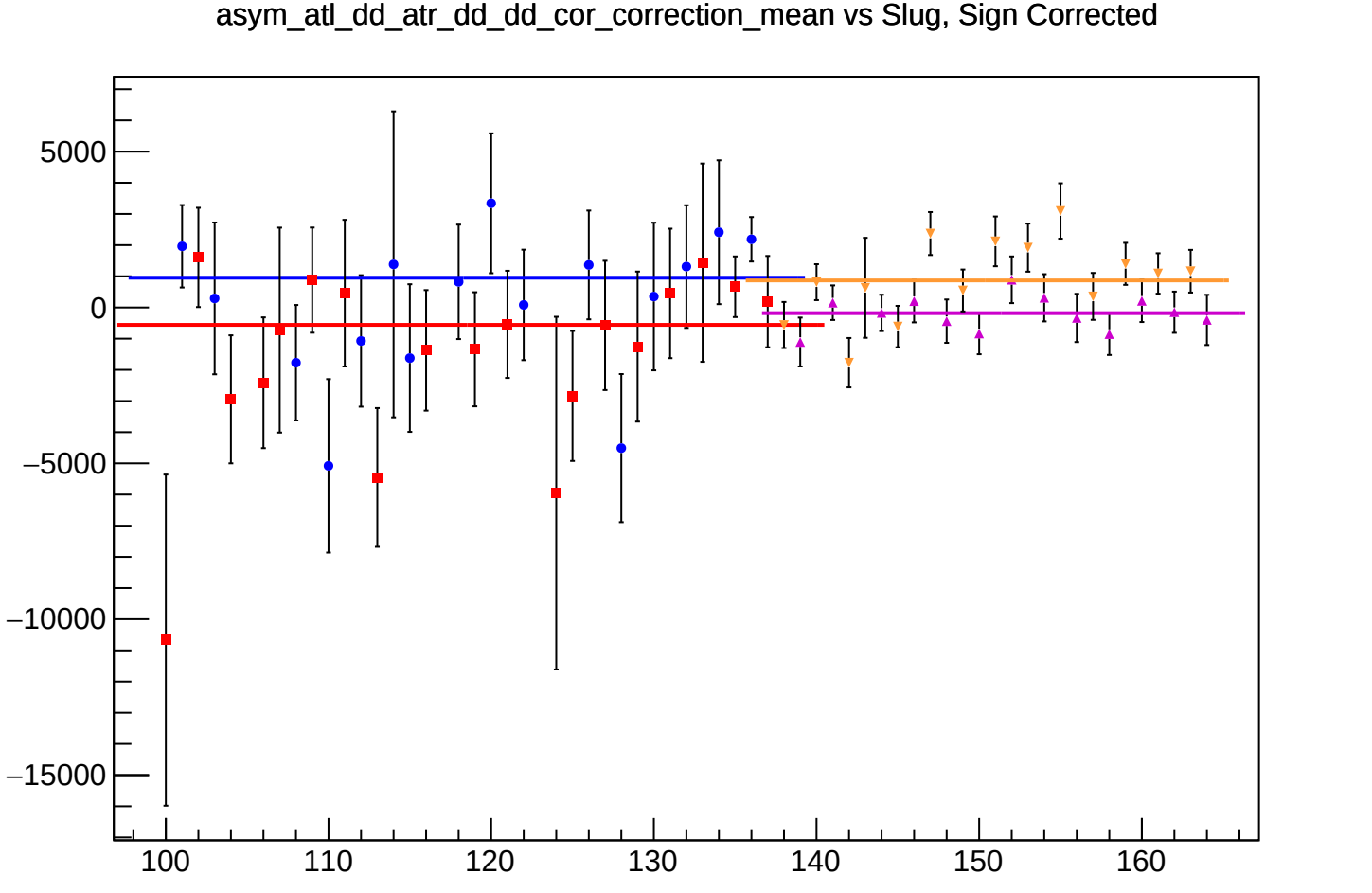
Left: 1267.094+/-0.191 χ^2/NDF: 179936.0/26

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1263.406+/-0.211 χ^2/NDF:535743.9/28

Out: 1279.810+/-0.212 χ^2/NDF:491258.4/32

All: 1271.578+/-0.149 χ^2/NDF: 1030012.9/61



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 867.188+/-194.534 χ^2/NDF:36.9/13

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -181.539+/-189.762 χ^2/NDF:7.1/12

Left: 329.803+/-135.838 χ^2/NDF: 58.9/26

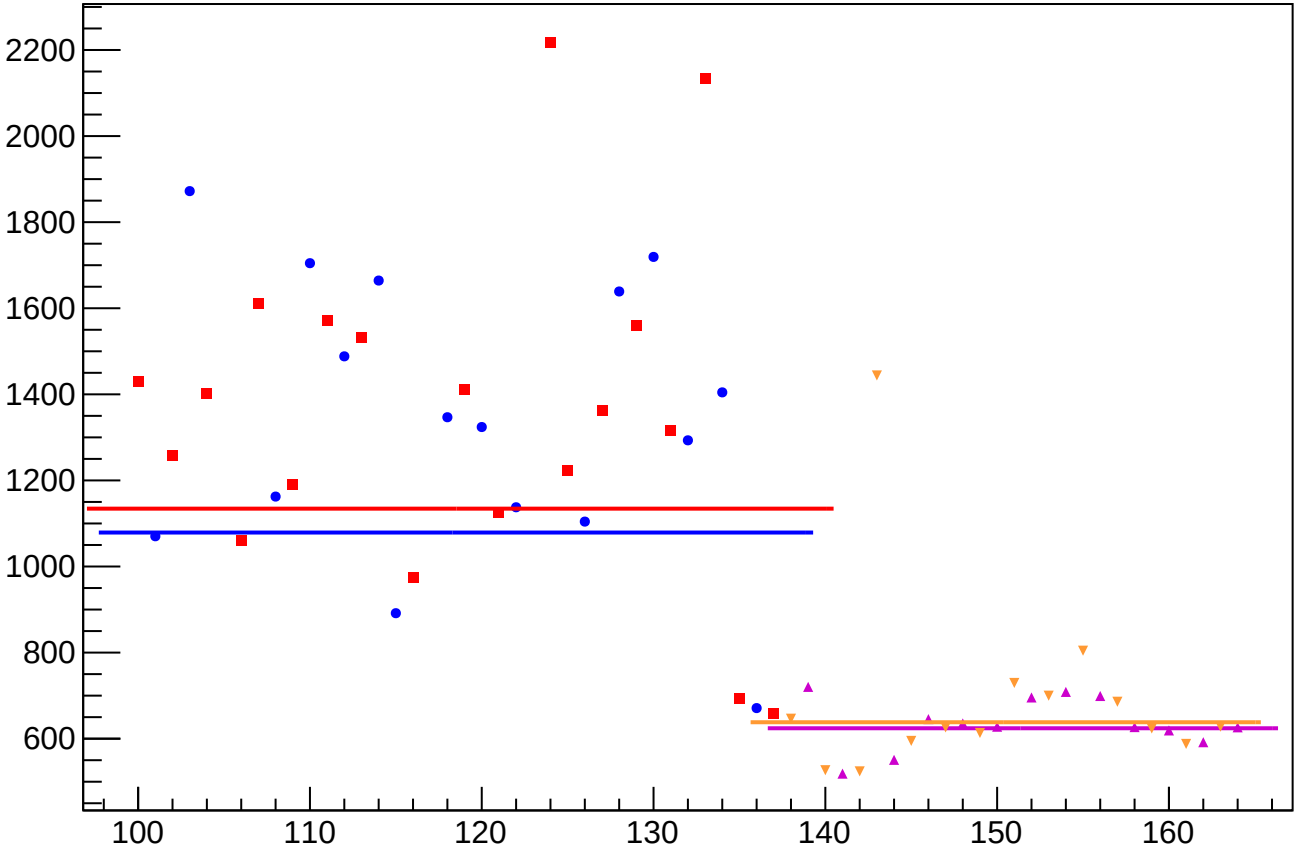
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 6.750+/-173.319 χ^2/NDF:32.9/28

Out: 634.834+/-177.971 χ^2/NDF:64.0/32

All: 312.477+/-124.167 χ^2/NDF: 103.3/61

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 638.186+/-0.138 χ^2/NDF:763899.5/13

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

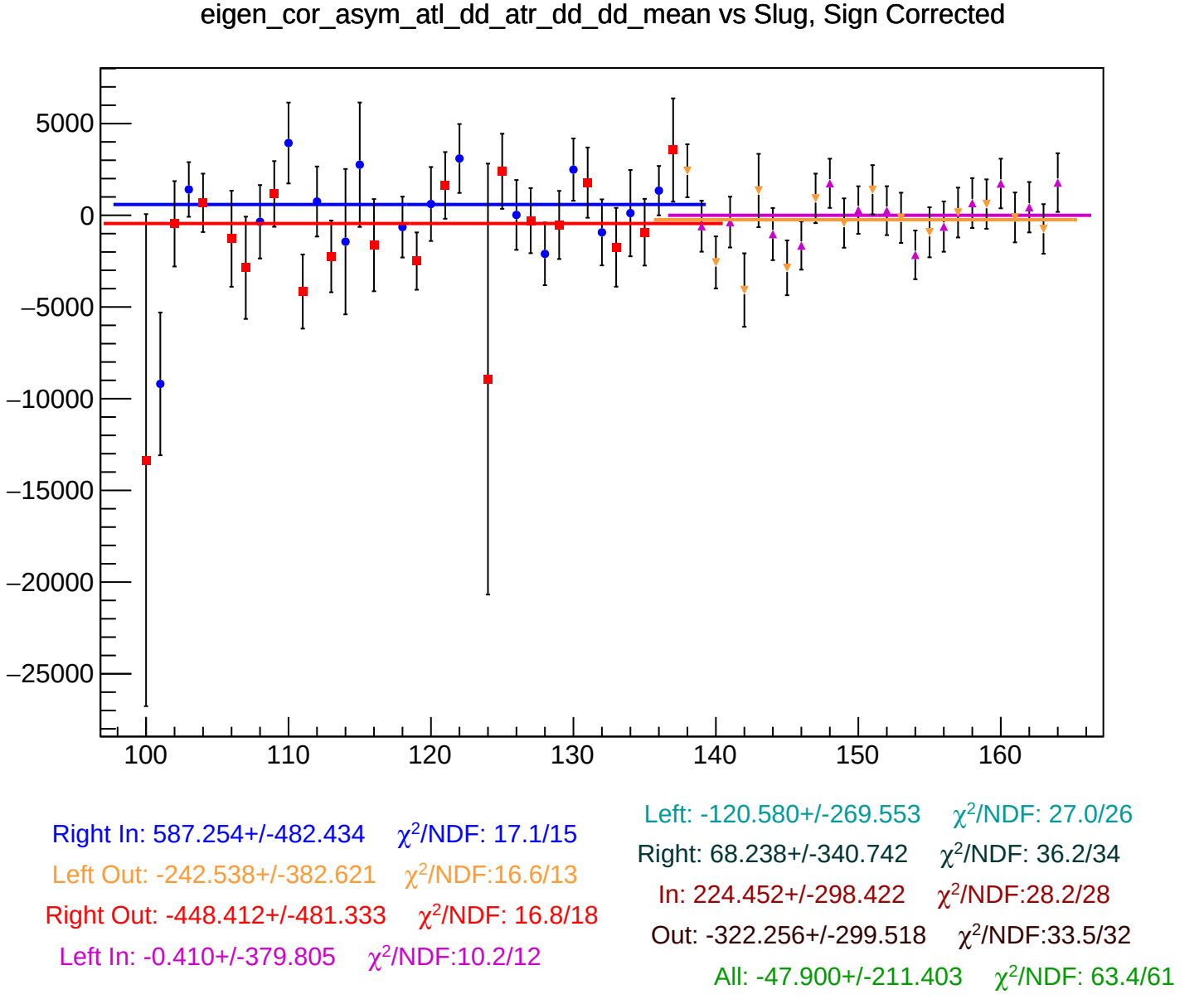
Left: 631.015+/-0.096 χ^2/NDF: 972779.1/26

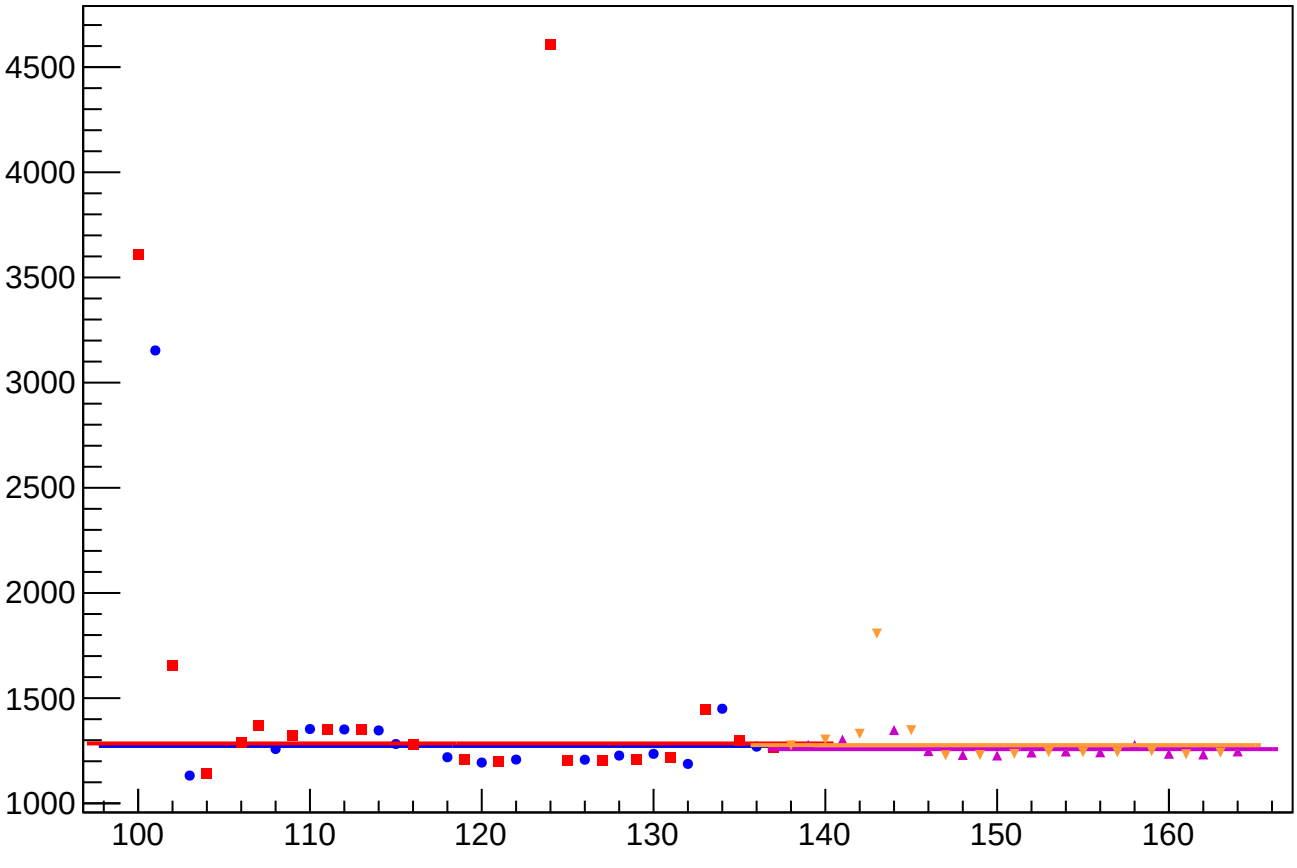
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 699.584+/-0.123 χ^2/NDF:3586459.1/28

Out: 719.093+/-0.126 χ^2/NDF:4174682.5/32

All: 709.081+/-0.088 χ^2/NDF: 7773476.2/61


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
160
Right In: 587.254+/-482.434 χ²/NDF: 17.1/15
Left Out: -242.538+/-382.621 χ²/NDF:16.6/13
Right Out: -448.412+/-481.333 χ²/NDF: 16.8/18
Left In: -0.410+/-379.805 χ²/NDF:10.2/12
Left: -120.580+/-269.553 χ²/NDF: 27.0/26
Right: 68.238+/-340.742 χ²/NDF: 36.2/34
In: 224.452+/-298.422 χ²/NDF:28.2/28
Out: -322.256+/-299.518 χ²/NDF:33.5/32
All: -47.900+/-211.403 χ²/NDF: 63.4/61



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

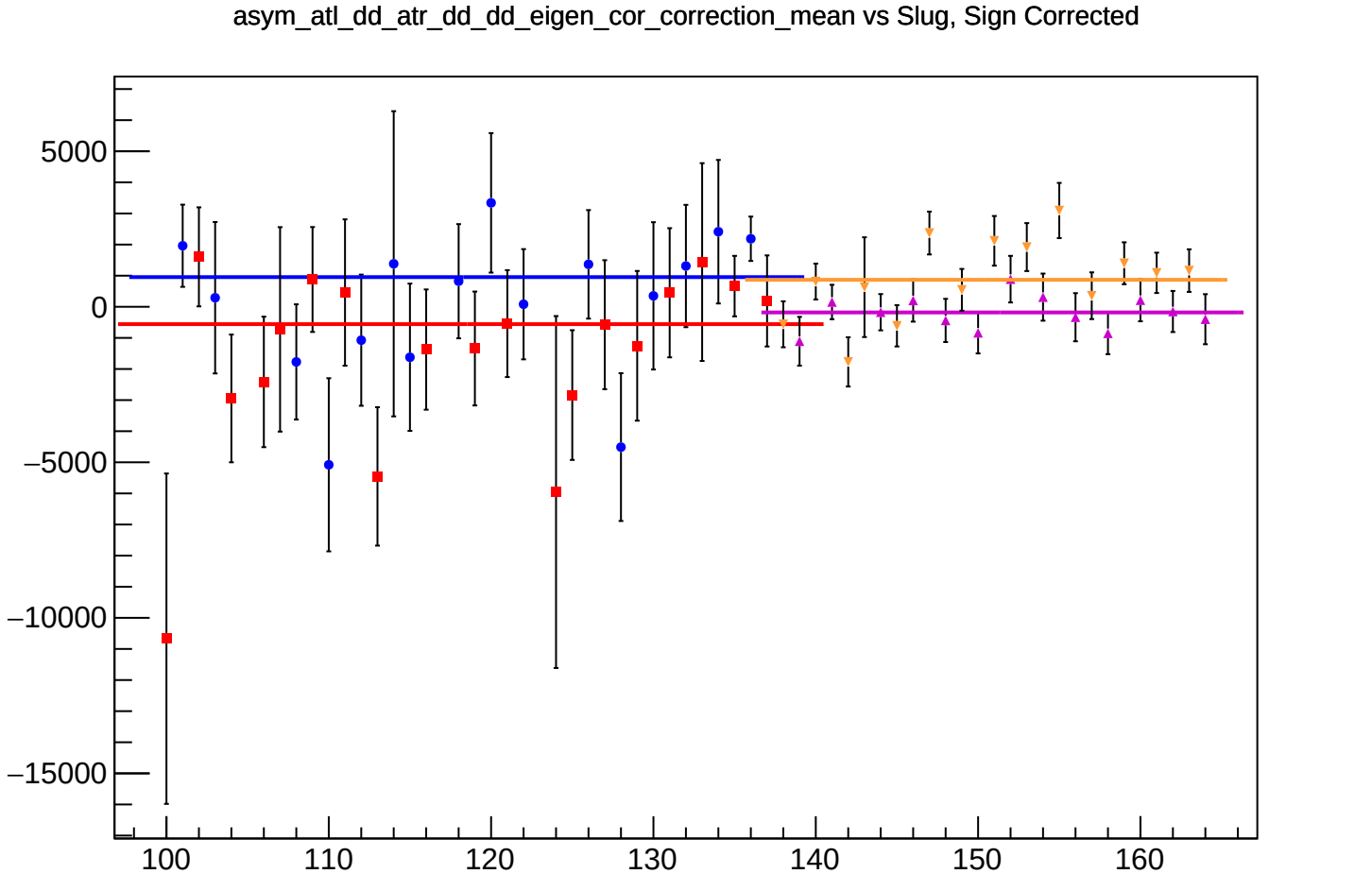
Left: 1267.094+/-0.191 χ^2/NDF: 179936.0/26

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1263.406+/-0.211 χ^2/NDF:535743.9/28

Out: 1279.810+/-0.212 χ^2/NDF:491258.4/32

All: 1271.578+/-0.149 χ^2/NDF: 1030012.9/61



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 867.188+/-194.534 χ^2/NDF:36.9/13

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -181.539+/-189.762 χ^2/NDF:7.1/12

Left: 329.803+/-135.838 χ^2/NDF: 58.9/26

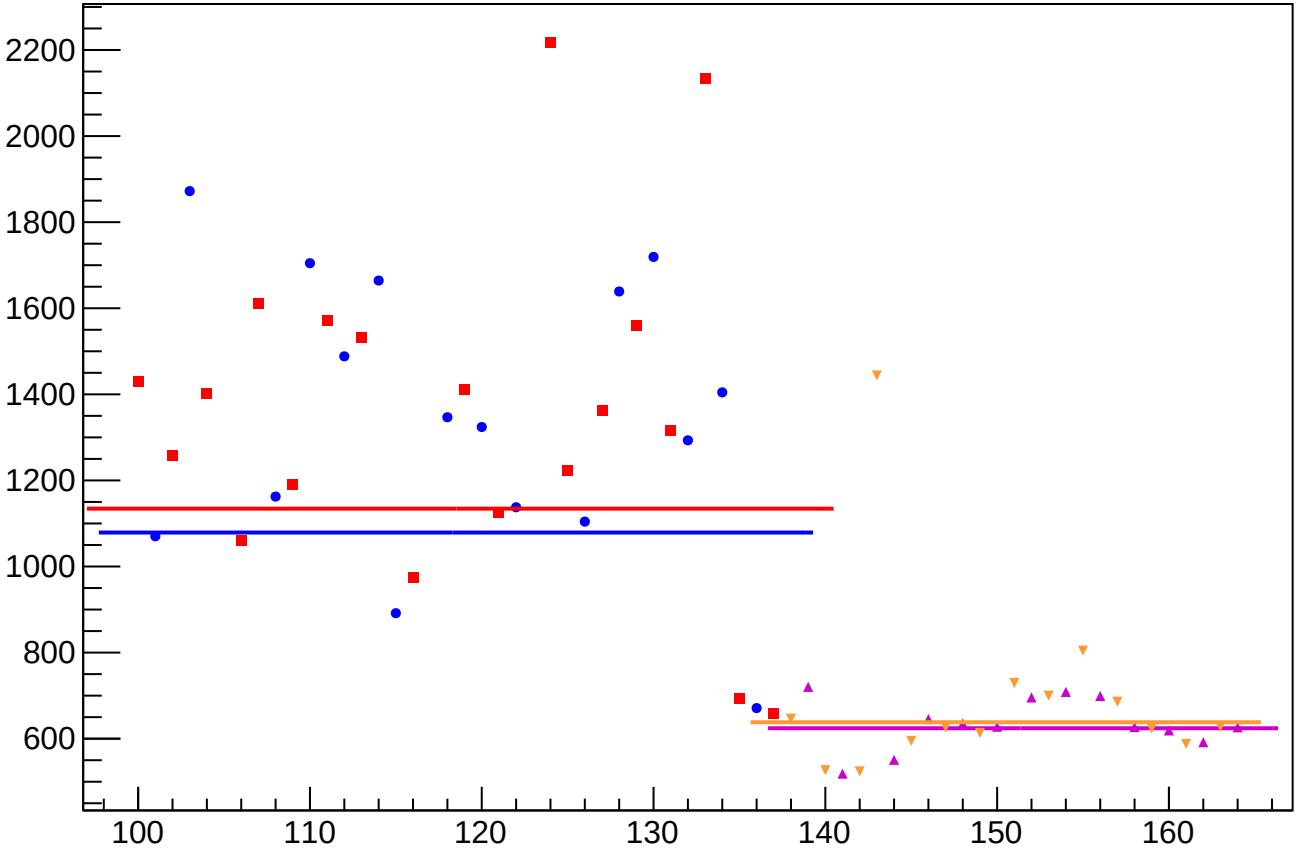
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 6.750+/-173.319 χ^2/NDF:32.9/28

Out: 634.834+/-177.971 χ^2/NDF:64.0/32

All: 312.477+/-124.167 χ^2/NDF: 103.3/61

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 638.186+/-0.138 χ^2/NDF:763899.5/13

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

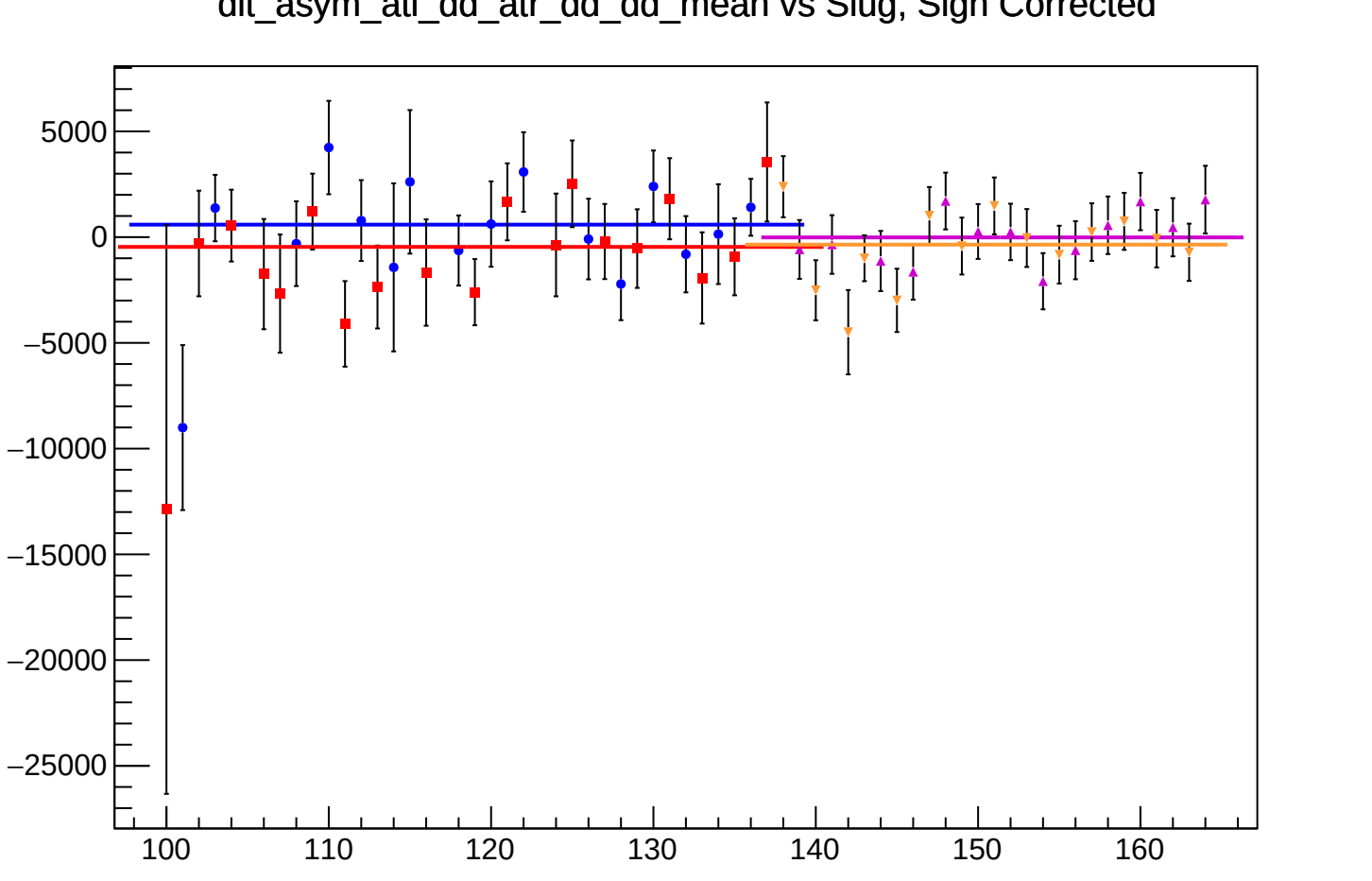
Left: 631.015+/-0.096 χ^2/NDF: 972779.1/26

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 699.584+/-0.123 χ^2/NDF:3586459.1/28

Out: 719.093+/-0.126 χ^2/NDF:4174682.5/32

All: 709.081+/-0.088 χ^2/NDF: 7773476.2/61



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -354.490+/-367.040 χ^2/NDF:17.7/13

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -13.991+/-380.144 χ^2/NDF:9.8/12

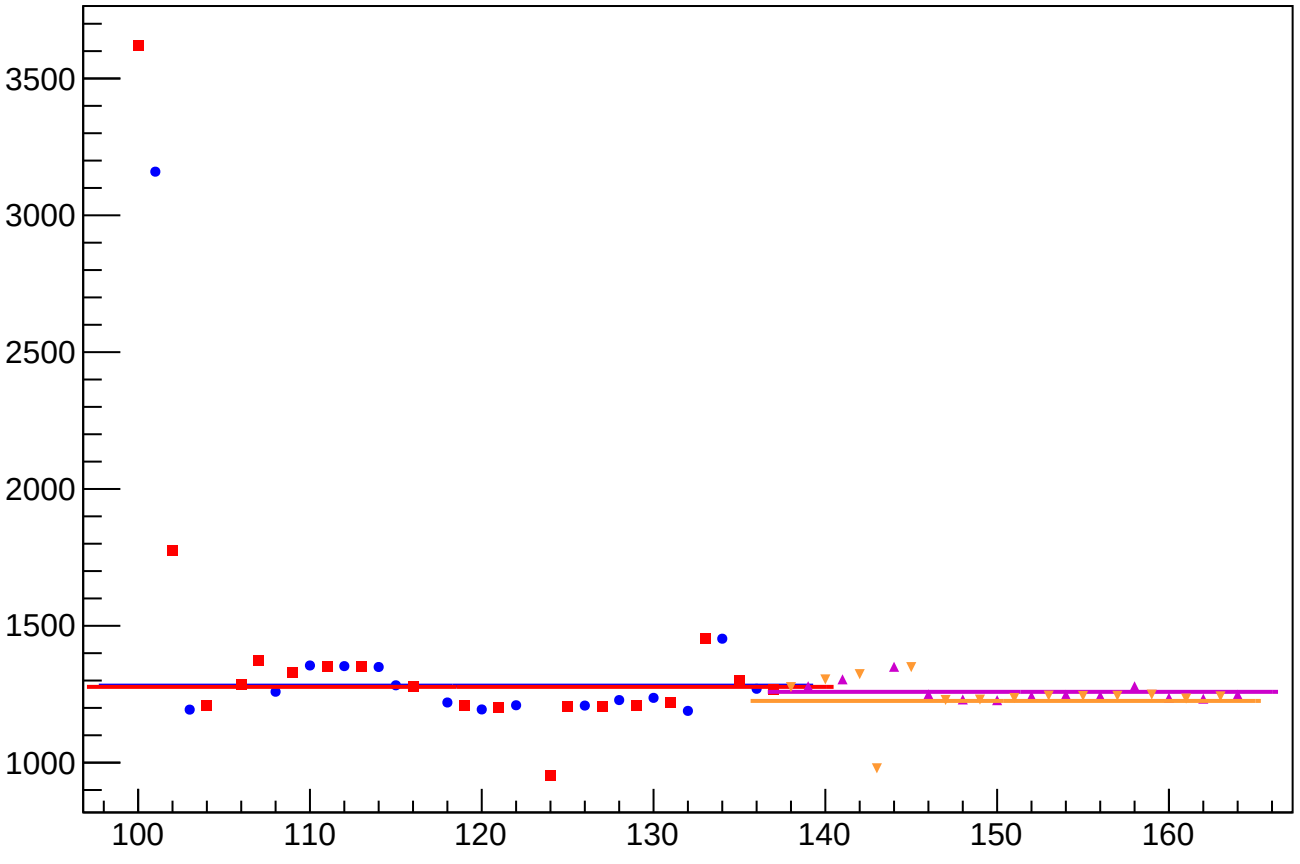
Left: -190.210+/-264.048 χ^2/NDF: 28.0/26

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 215.699+/-299.305 χ^2/NDF:27.9/28

Out: -394.719+/-290.844 χ^2/NDF:34.4/32

All: -98.260+/-208.585 χ^2/NDF: 64.5/61



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1225.528+/-0.260 χ^2/NDF:132461.8/13

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.0/12

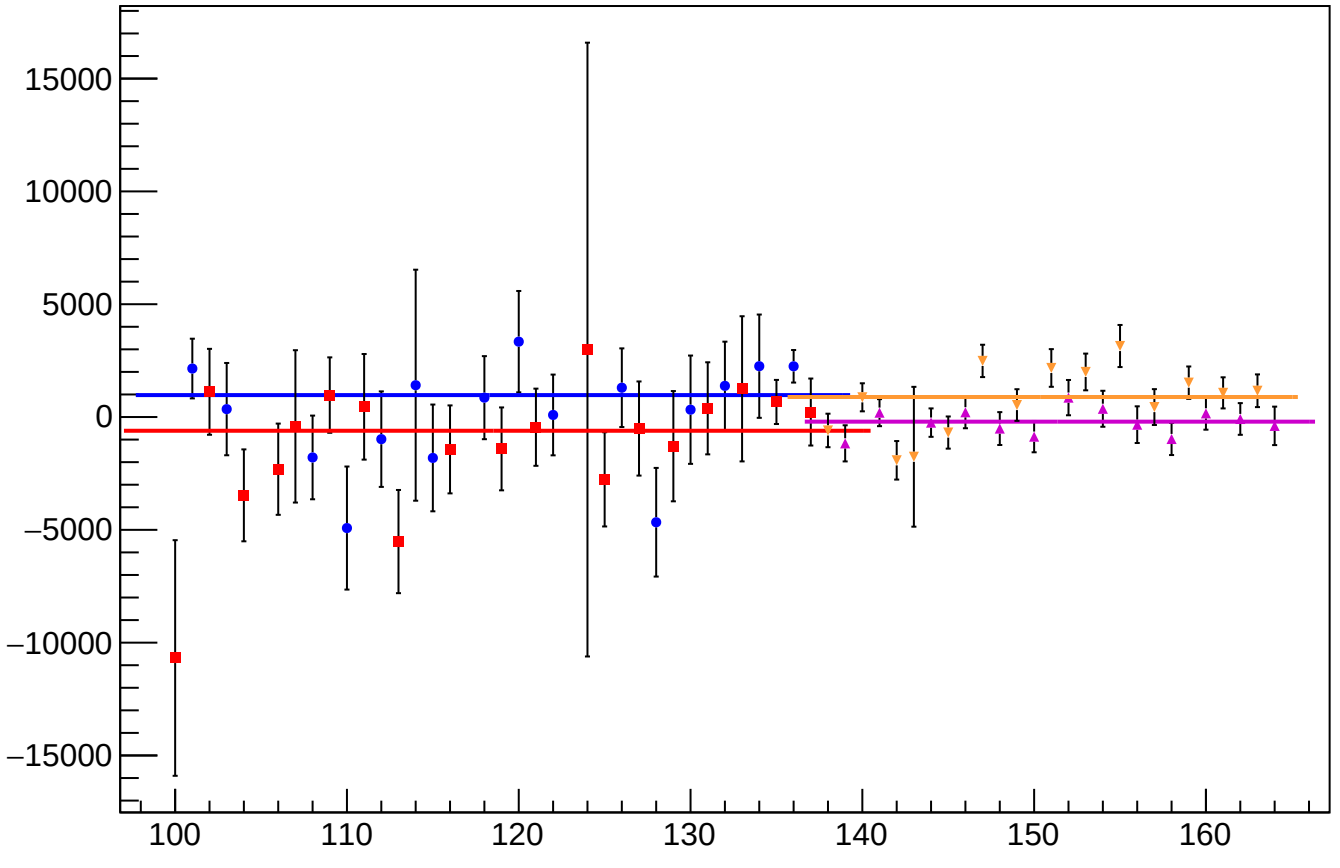
Left: 1241.532+/-0.187 χ^2/NDF: 155639.6/26

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1267.315+/-0.212 χ^2/NDF:525079.0/28

Out: 1244.629+/-0.206 χ^2/NDF:367531.3/32

All: 1255.647+/-0.147 χ^2/NDF: 898520.1/61



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 887.464+/-206.504 χ^2/NDF:37.1/13

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -205.452+/-200.714 χ^2/NDF:7.2/12

Left: 325.468+/-143.930 χ^2/NDF: 58.7/26

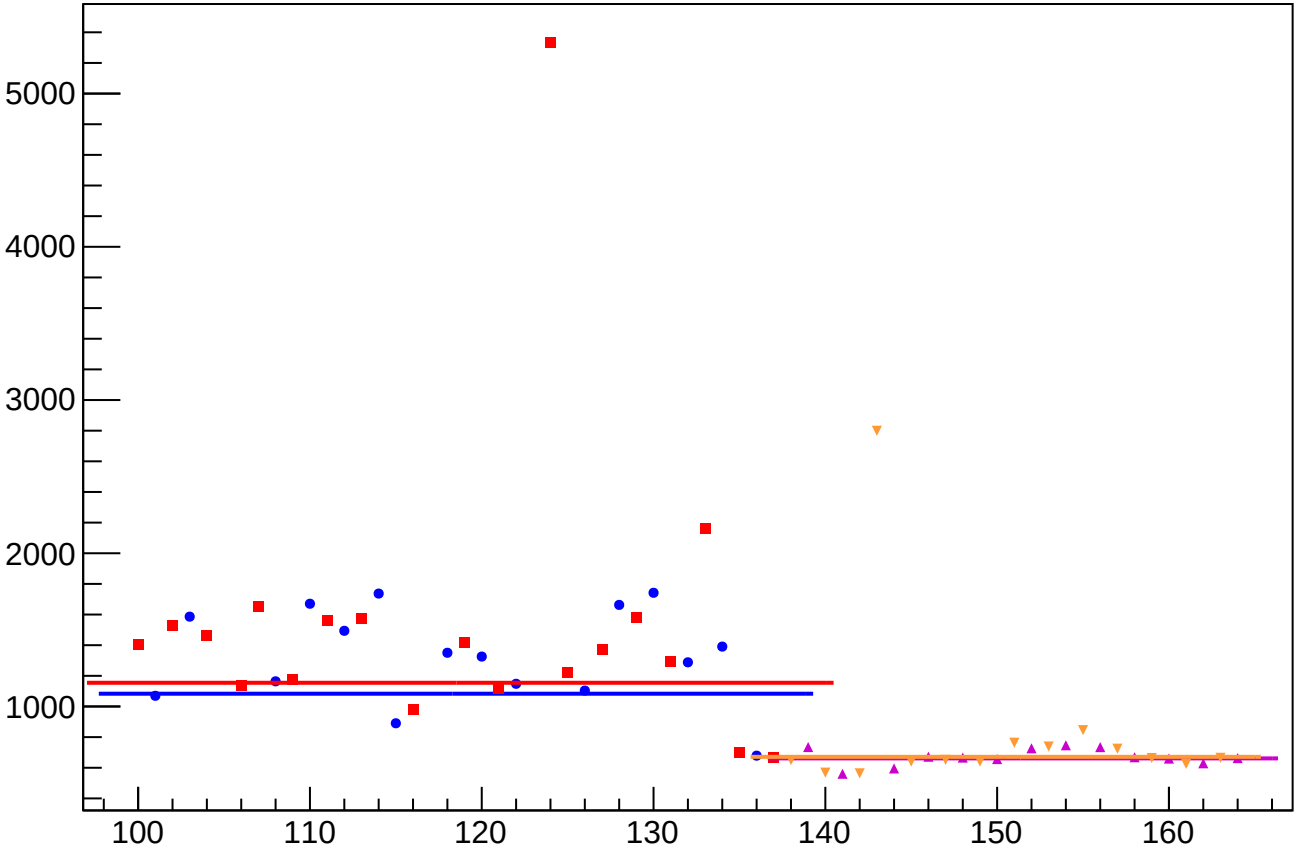
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 9.143+/-181.509 χ^2/NDF:33.9/28

Out: 625.068+/-187.520 χ^2/NDF:63.4/32

All: 307.076+/-130.420 χ^2/NDF: 102.9/61

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 671.408+/-0.146 χ^2/NDF:1166584.2/13

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 661.146+/-0.142 χ^2/NDF:153497.5/12

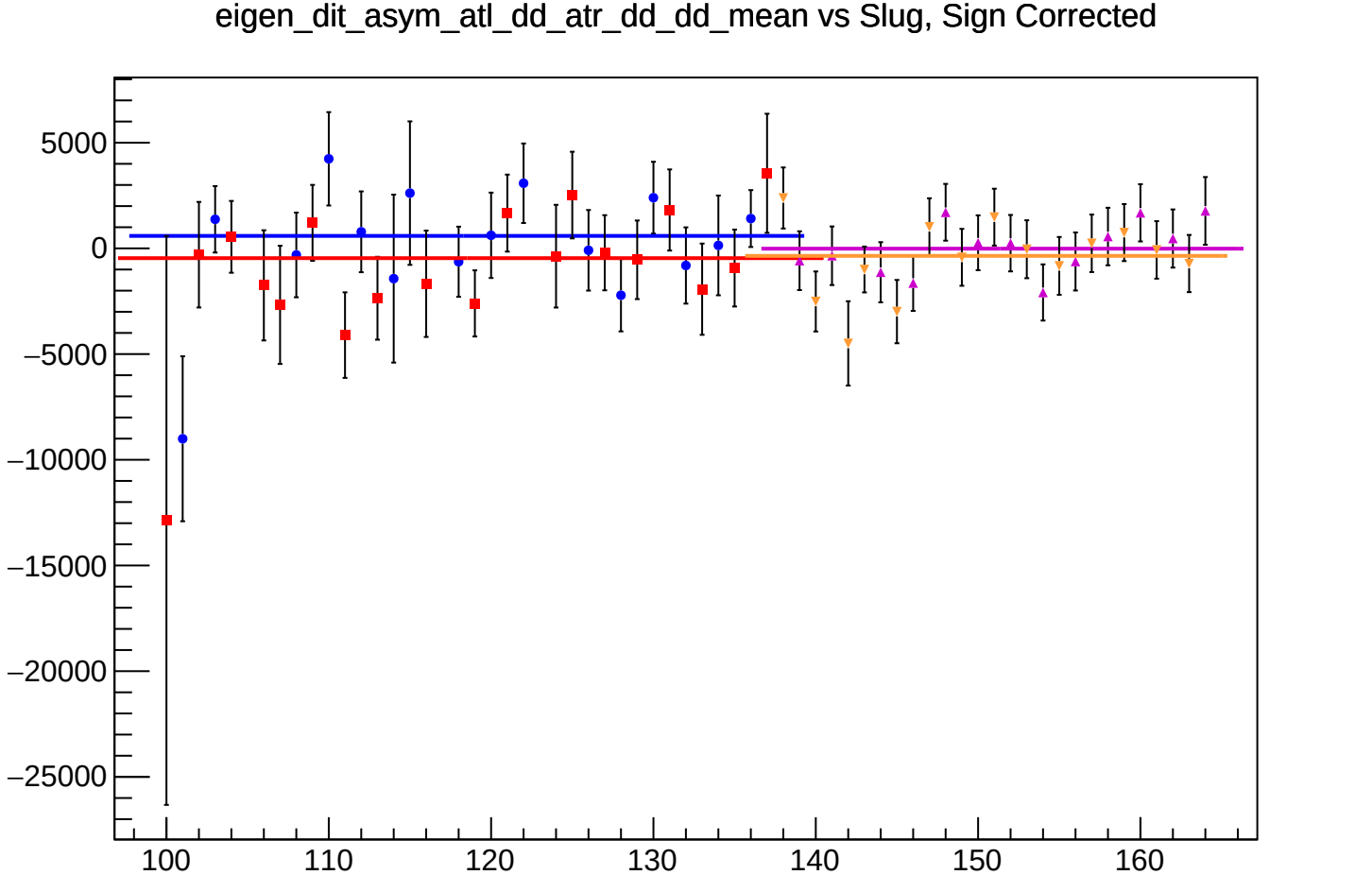
Left: 666.131+/-0.102 χ^2/NDF: 1322621.6/26

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 738.073+/-0.128 χ^2/NDF:3126005.3/28

Out: 756.187+/-0.133 χ^2/NDF:4576609.4/32

All: 746.835+/-0.092 χ^2/NDF: 7712249.7/61



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -354.493+/-367.040 χ^2/NDF:17.7/13

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -13.990+/-380.144 χ^2/NDF:9.8/12

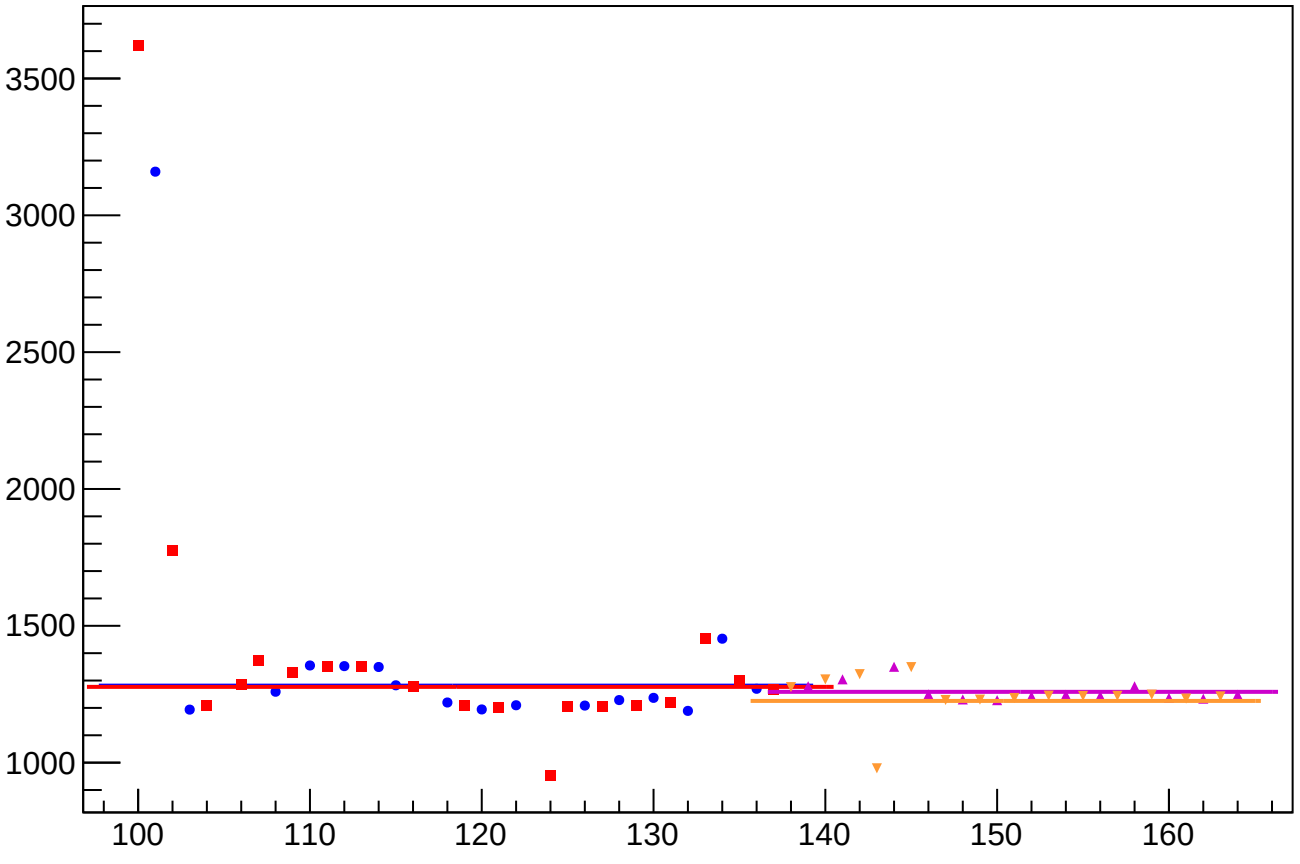
Left: -190.211+/-264.048 χ^2/NDF: 28.0/26

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 215.700+/-299.305 χ^2/NDF:27.9/28

Out: -394.721+/-290.844 χ^2/NDF:34.4/32

All: -98.260+/-208.585 χ^2/NDF: 64.5/61



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1225.528+/-0.260 χ^2/NDF:132461.0/13

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.1/12

Left: 1241.532+/-0.187 χ^2/NDF: 155638.8/26

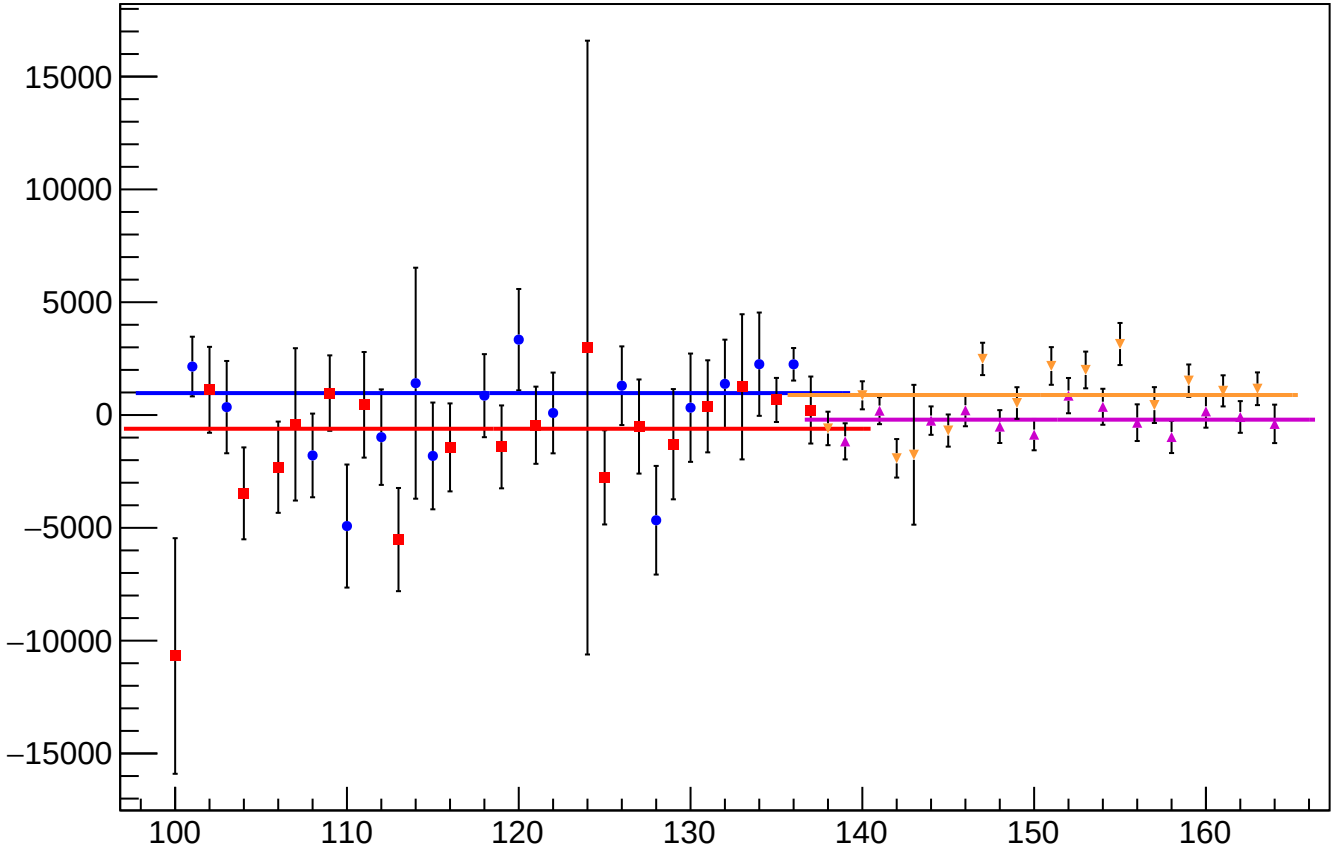
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1267.315+/-0.212 χ^2/NDF:525079.1/28

Out: 1244.629+/-0.206 χ^2/NDF:367530.3/32

All: 1255.647+/-0.147 χ^2/NDF: 898519.3/61

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: 887.466+/-206.504 χ^2/NDF:37.1/13

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -205.451+/-200.714 χ^2/NDF:7.2/12

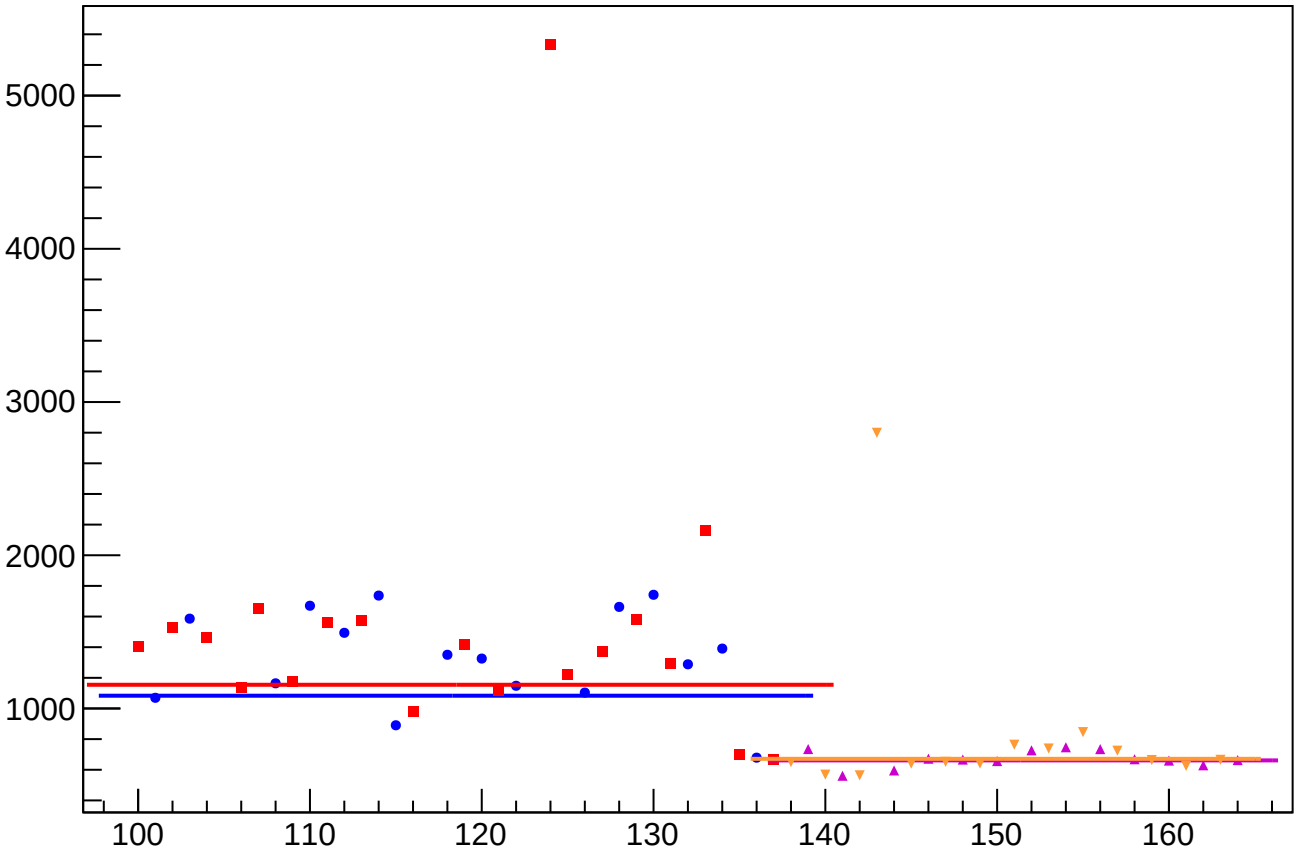
Left: 325.470+/-143.930 χ^2/NDF: 58.7/26

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 9.142+/-181.509 χ^2/NDF:33.9/28

Out: 625.070+/-187.520 χ^2/NDF:63.4/32

All: 307.076+/-130.420 χ^2/NDF: 102.9/61



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 671.409+/-0.146 χ^2/NDF:1166578.7/13

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 661.145+/-0.142 χ^2/NDF:153501.2/12

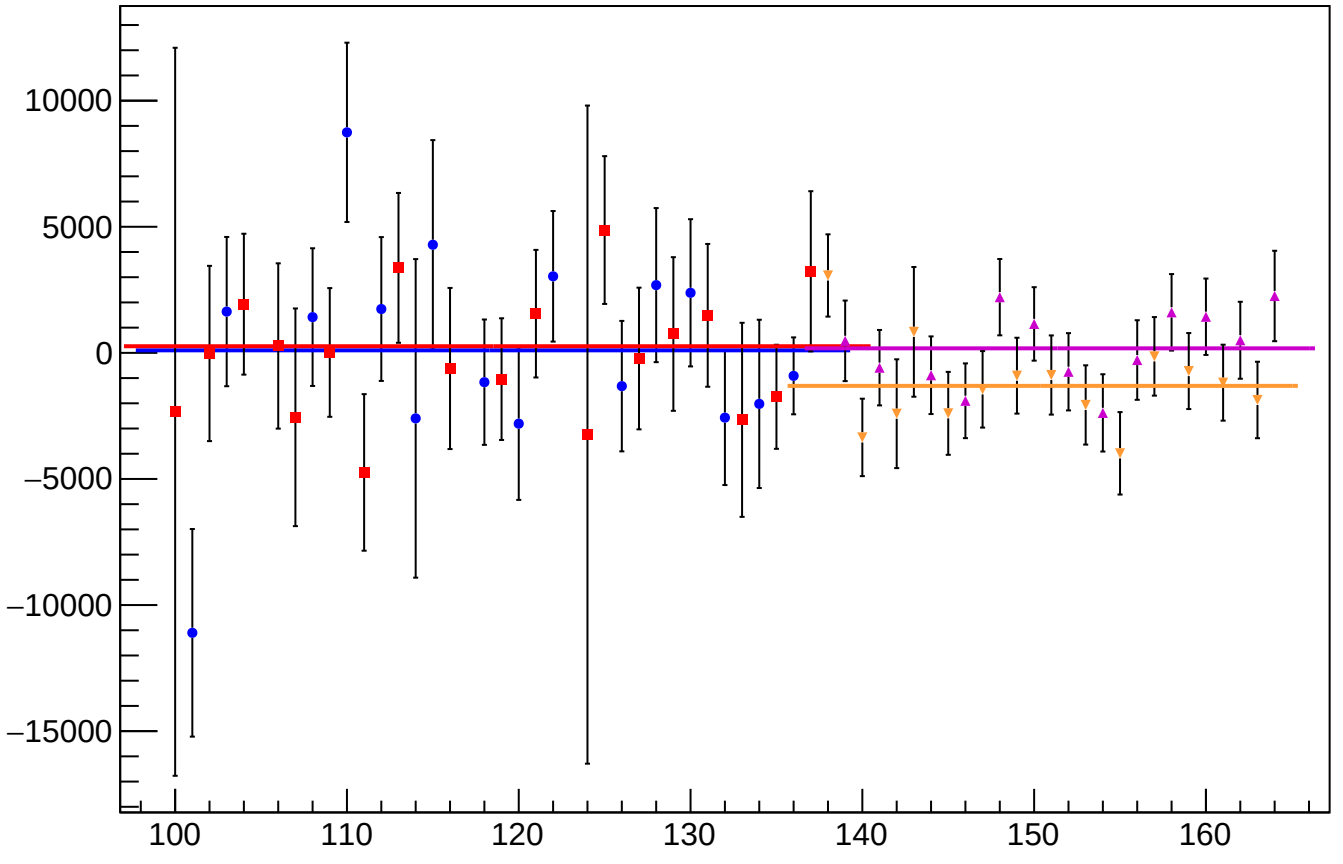
Left: 666.131+/-0.102 χ^2/NDF: 1322620.2/26

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 738.073+/-0.128 χ^2/NDF:3125994.6/28

Out: 756.188+/-0.133 χ^2/NDF:4576591.5/32

All: 746.835+/-0.092 χ^2/NDF: 7712222.2/61



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1308.541+/-433.341 χ^2/NDF:14.3/13

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 179.186+/-426.841 χ^2/NDF:11.2/12

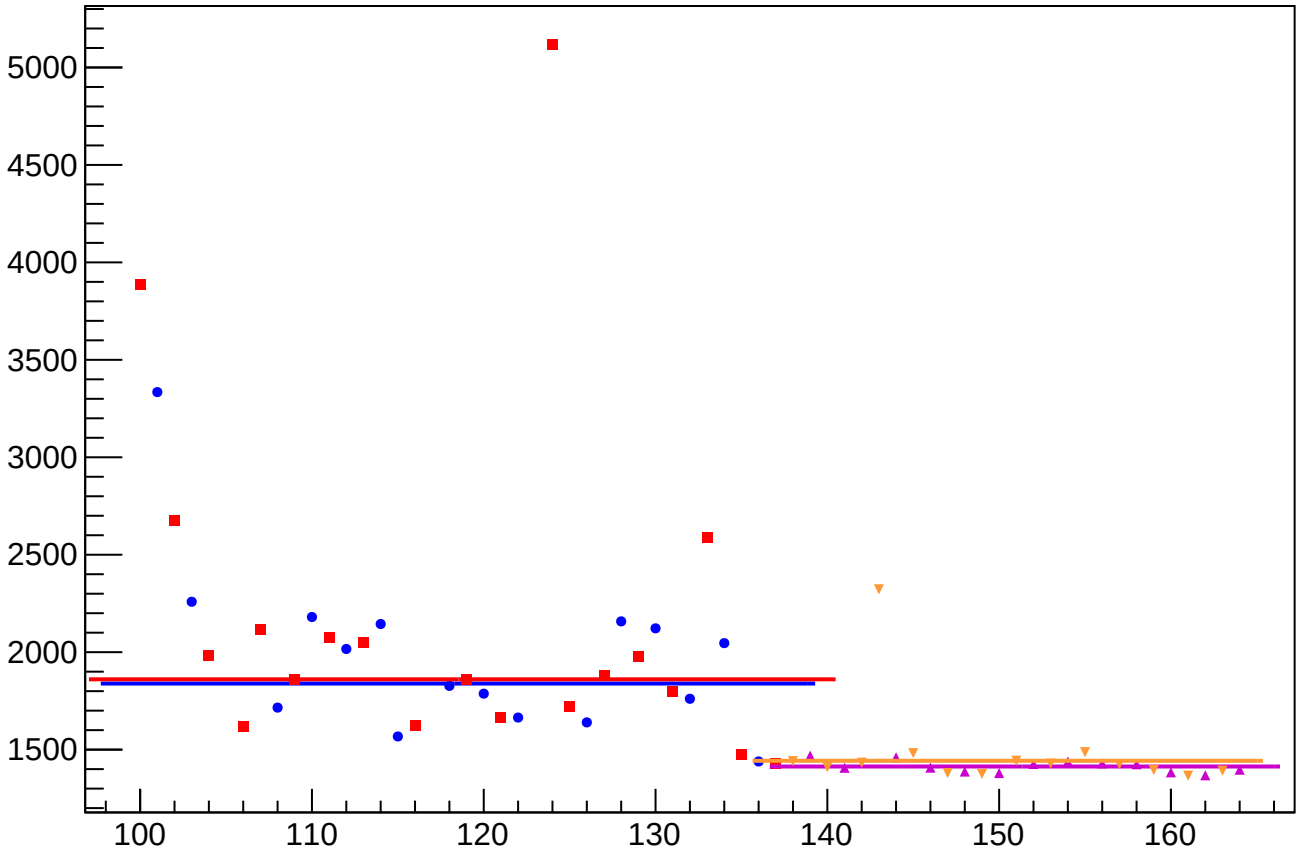
Left: -553.437+/-304.094 χ^2/NDF: 31.5/26

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 157.800+/-364.289 χ^2/NDF:32.5/28

Out: -872.963+/-368.412 χ^2/NDF:28.3/32

All: -351.780+/-259.037 χ^2/NDF: 64.7/61



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1442.794+/-0.306 χ^2/NDF:254731.9/13

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1413.371+/-0.302 χ^2/NDF:9718.3/12

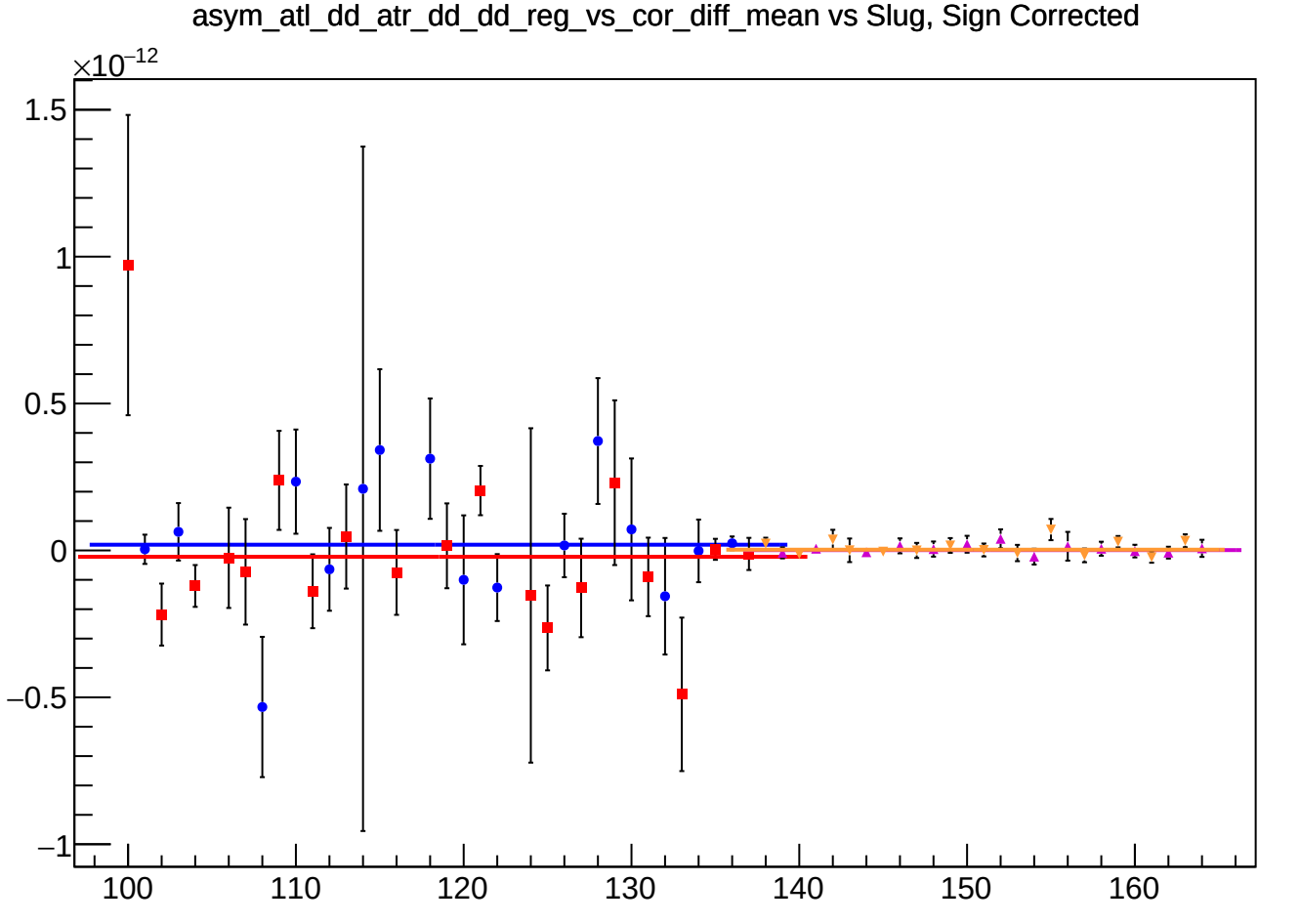
Left: 1427.860+/-0.215 χ^2/NDF: 269129.8/26

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1529.010+/-0.258 χ^2/NDF:1106887.6/28

Out: 1558.660+/-0.261 χ^2/NDF:1292624.2/32

All: 1543.668+/-0.183 χ^2/NDF: 2406061.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/12

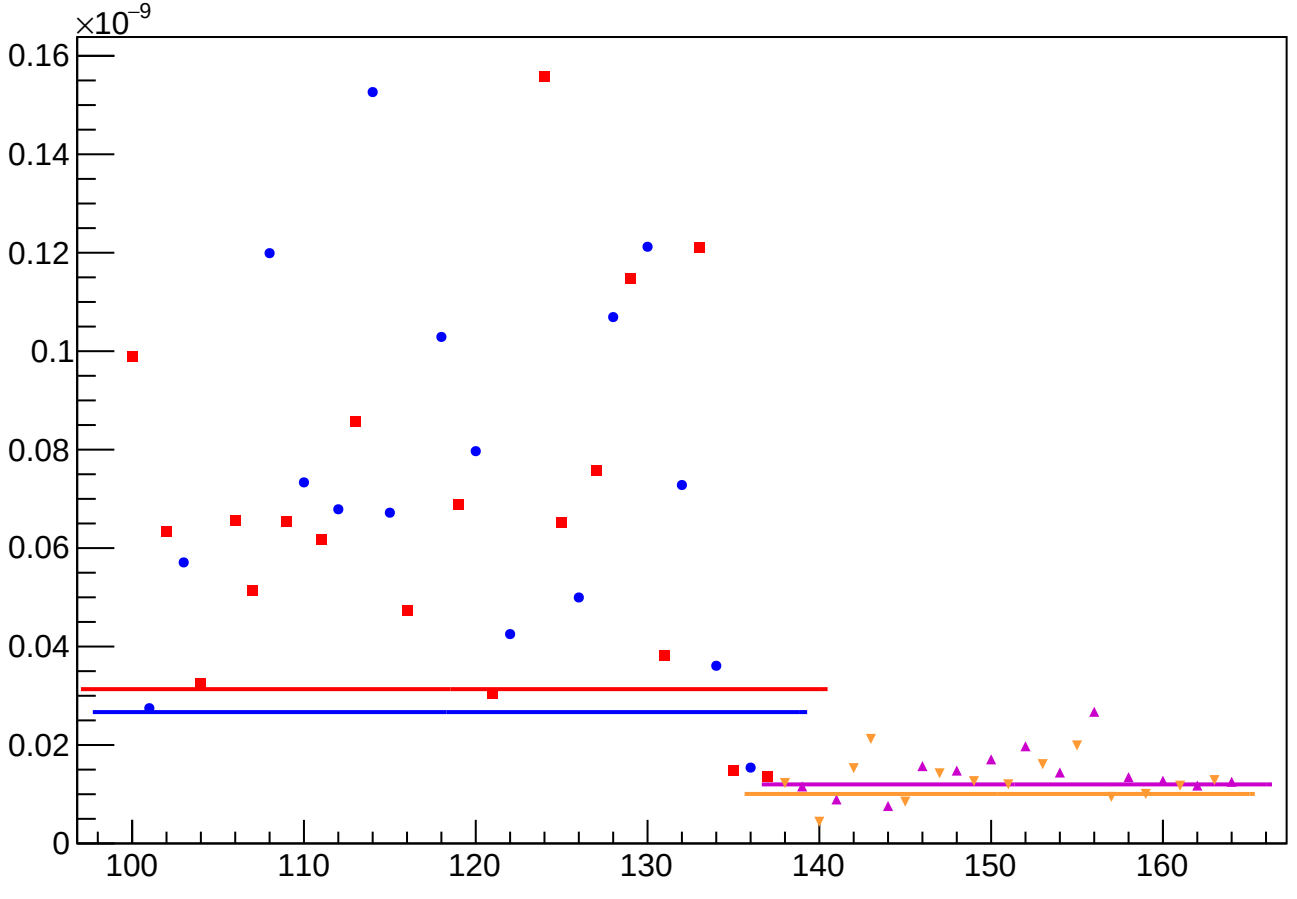
Left: 0.000+/-0.000 χ^2/NDF: 18.7/26

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:21.2/28

Out: 0.000+/-0.000 χ^2/NDF:44.0/32

All: 0.000+/-0.000 χ^2/NDF: 65.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1192092.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:741129.2/12

Left: 0.000+/-0.000 χ^2/NDF: 2045419.7/26

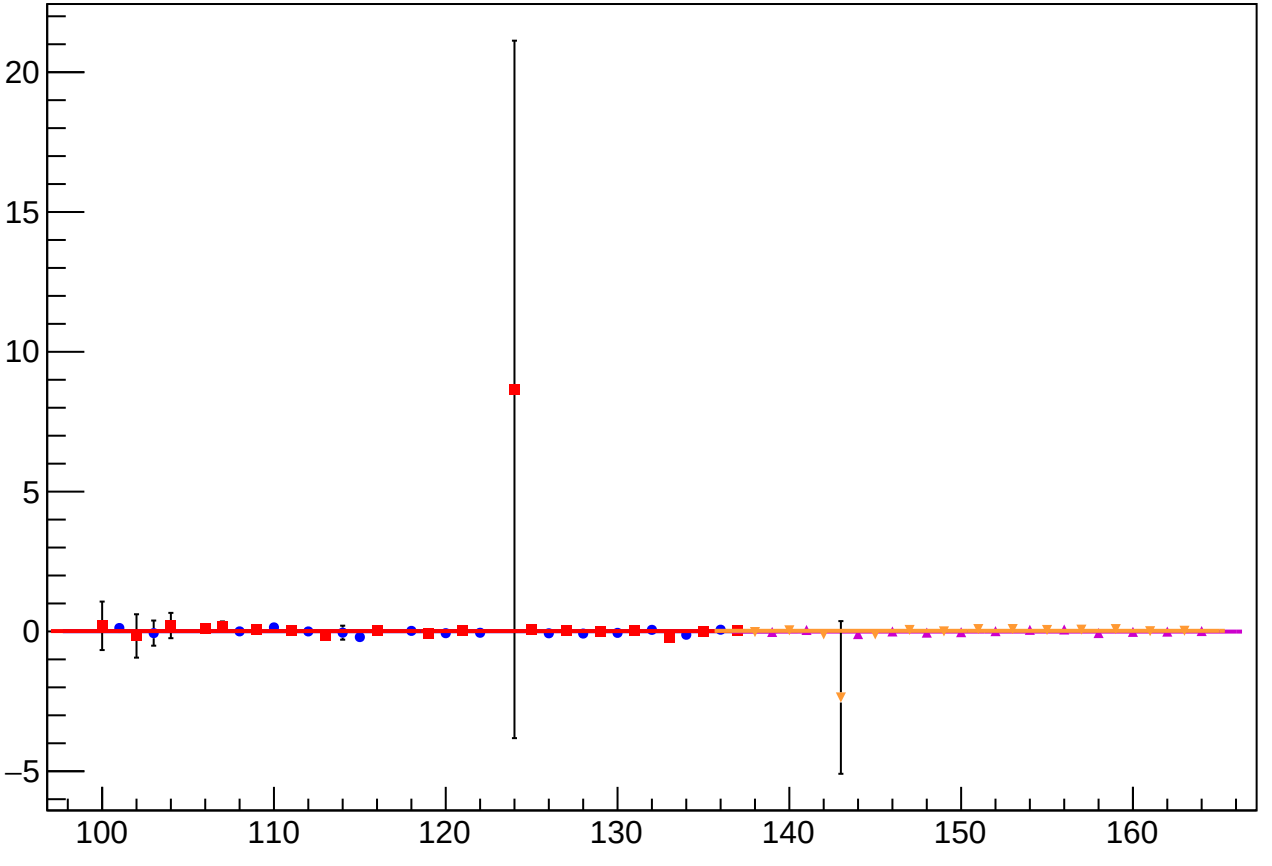
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4425422.1/28

Out: 0.000+/-0.000 χ^2/NDF:5188140.2/32

All: 0.000+/-0.000 χ^2/NDF: 9761557.1/61

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.008+/-0.009 χ^2/NDF: 28.4/26

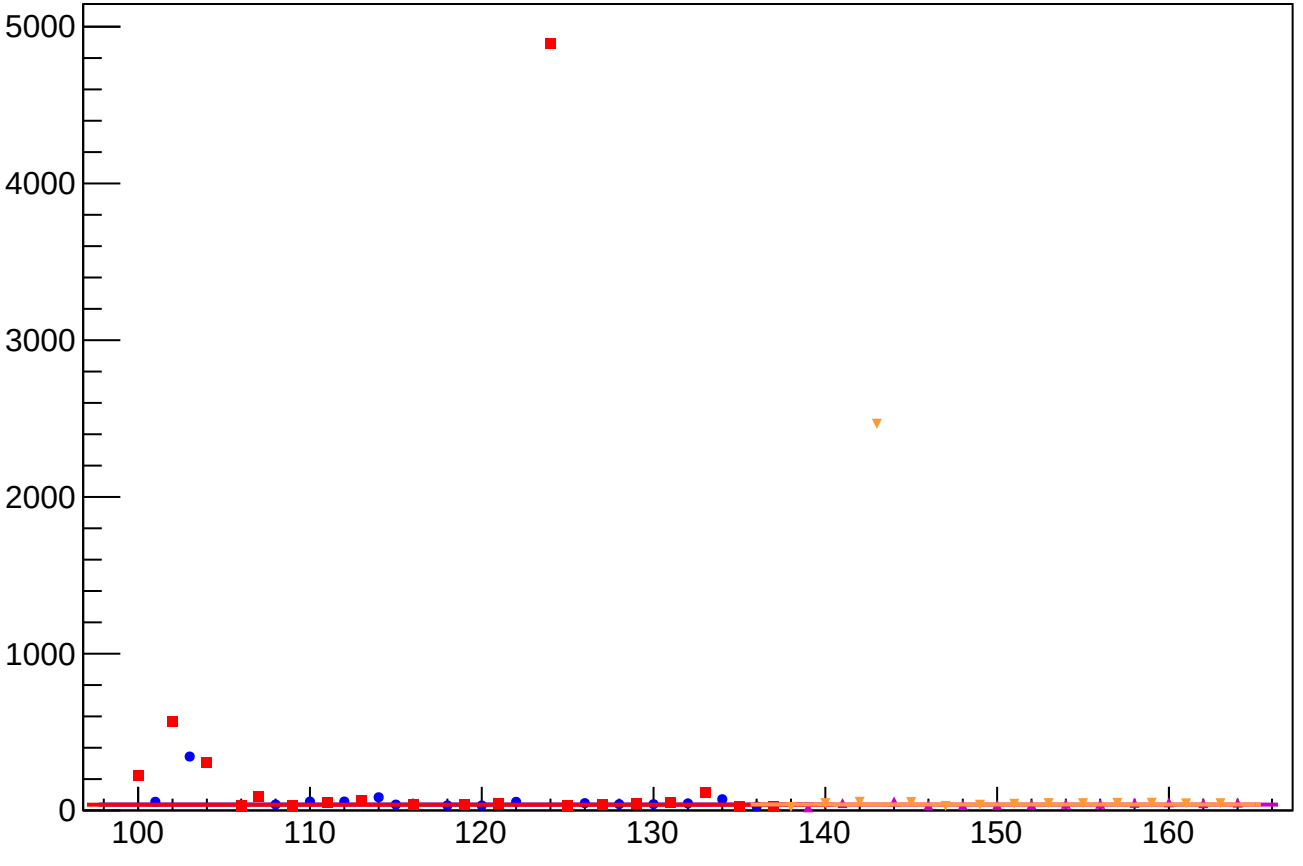
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/61

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 38.280+/-0.009 χ^2/NDF:2954203.2/13

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

Left: 37.826+/-0.006 χ^2/NDF: 4443987.2/26

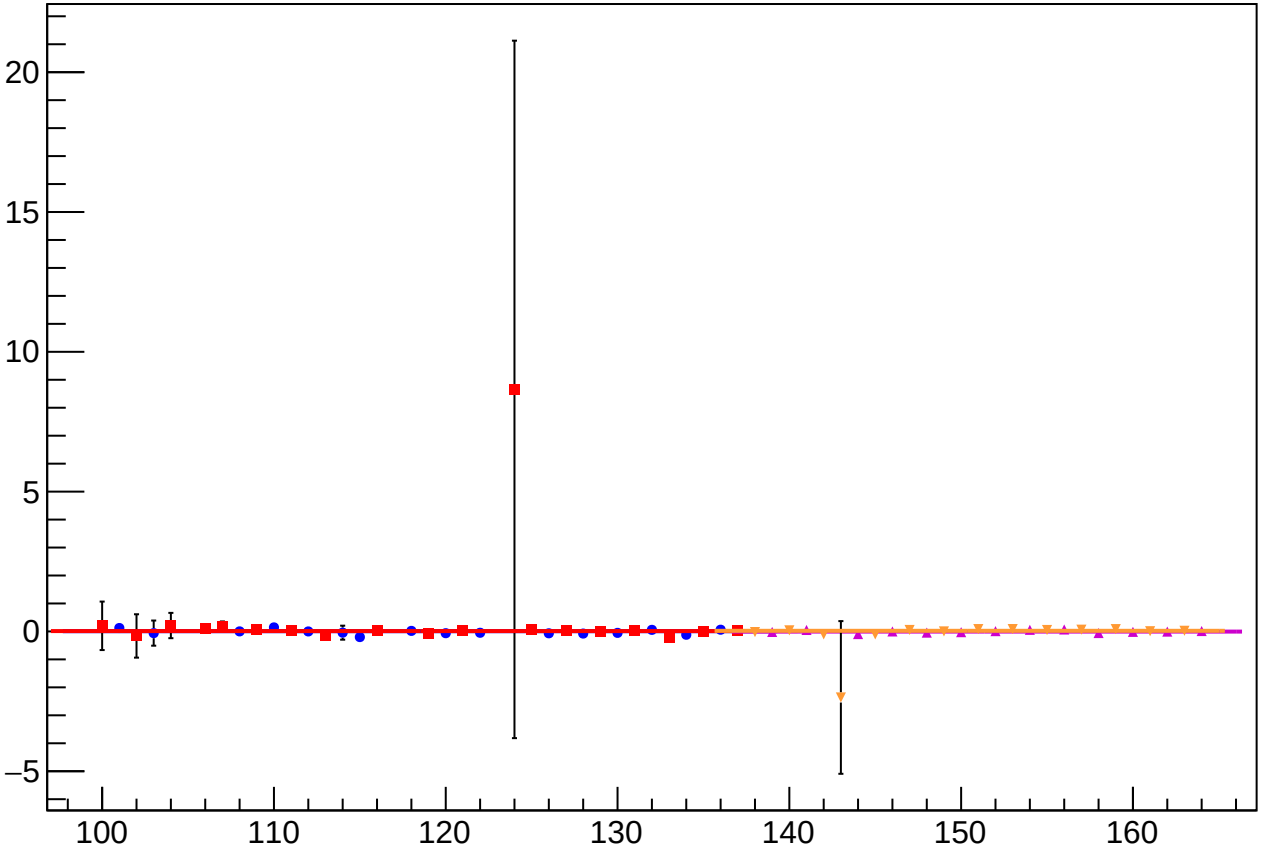
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.439+/-0.007 χ^2/NDF:3468363.5/28

Out: 37.709+/-0.007 χ^2/NDF:6155217.4/32

All: 37.569+/-0.005 χ^2/NDF: 9624302.9/61

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.008+/-0.009 χ^2/NDF: 28.4/26

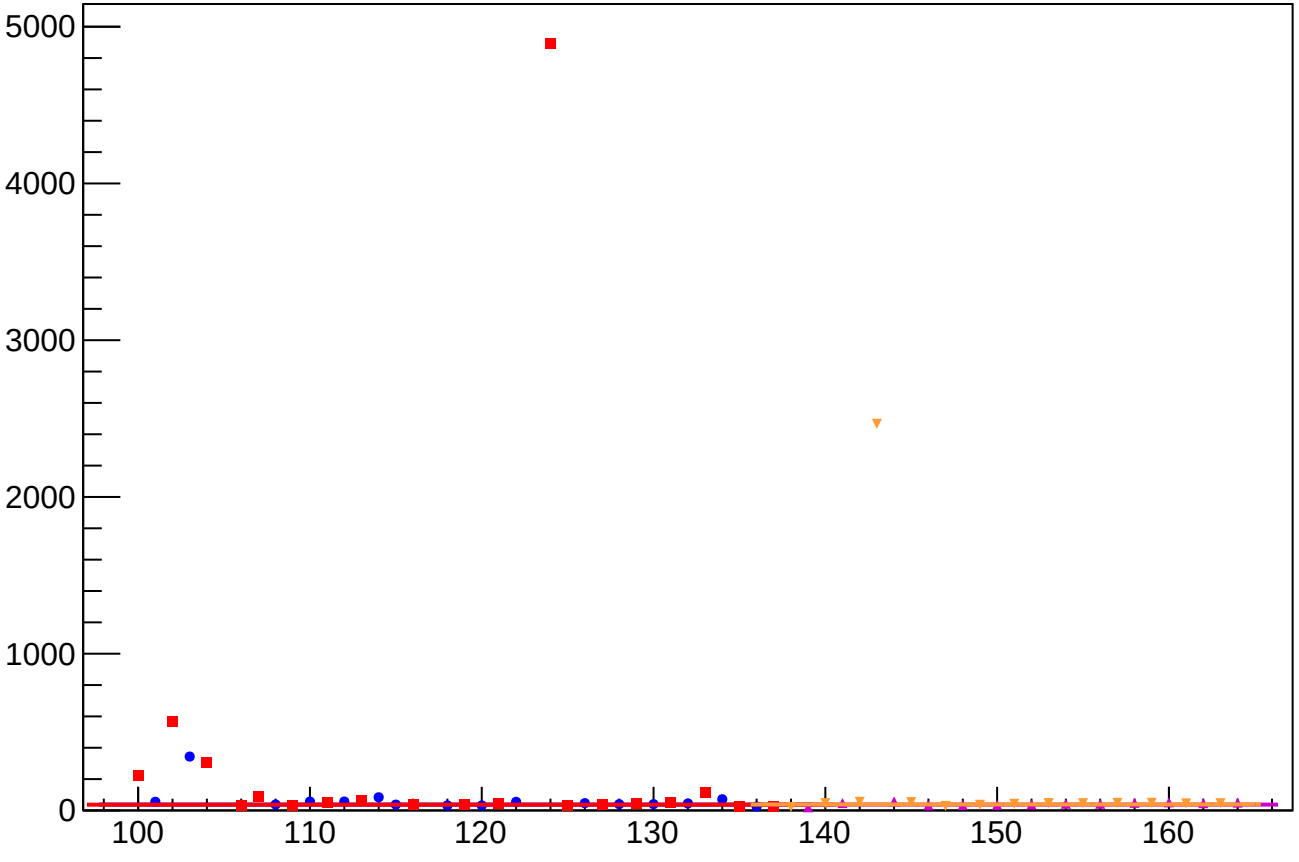
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/61

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: 38.280+/-0.009 χ^2/NDF:2954203.2/13

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

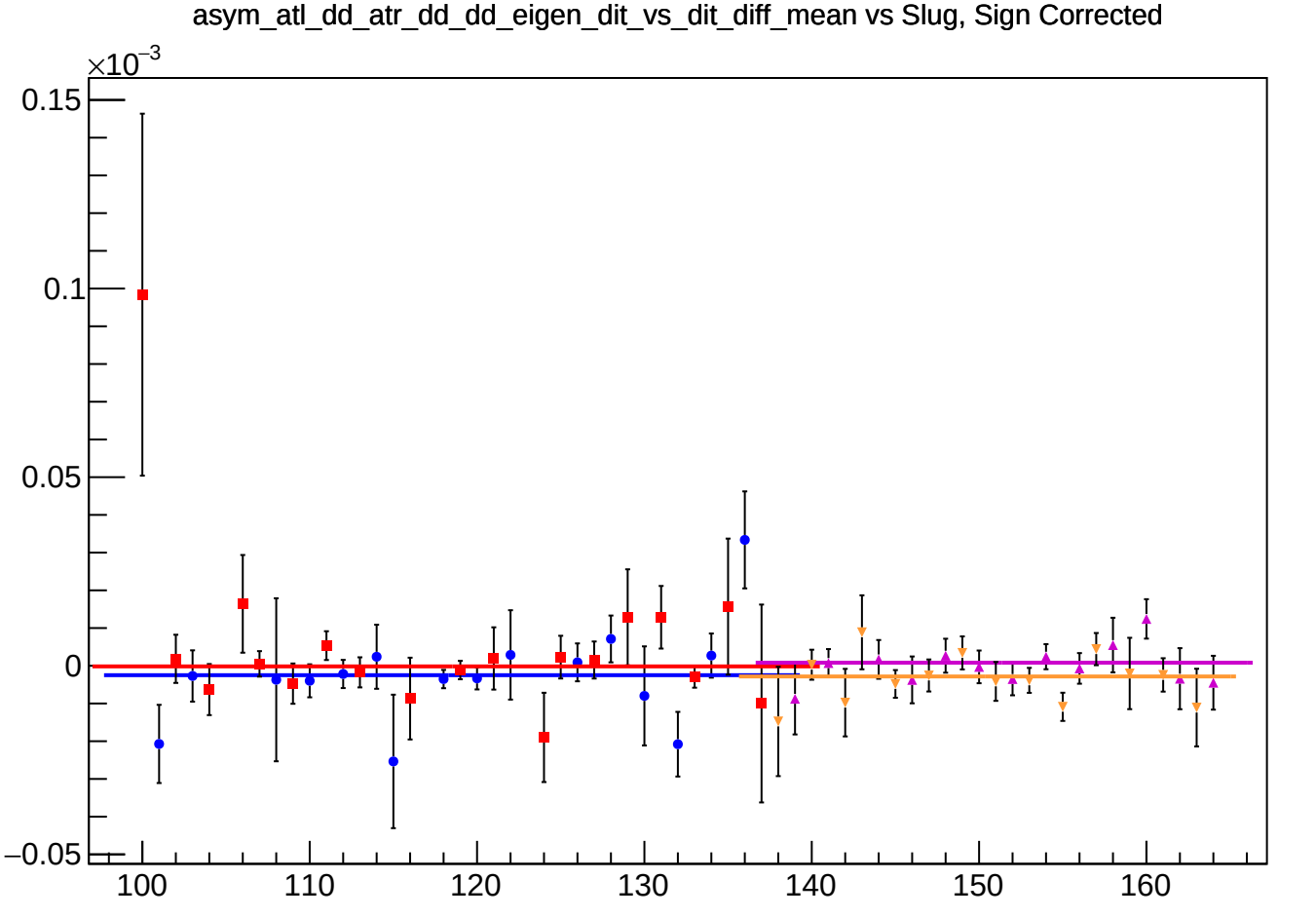
Left: 37.826+/-0.006 χ^2/NDF: 4443987.2/26

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.439+/-0.007 χ^2/NDF:3468363.5/28

Out: 37.709+/-0.007 χ^2/NDF:6155217.4/32

All: 37.569+/-0.005 χ^2/NDF: 9624302.9/61



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/12

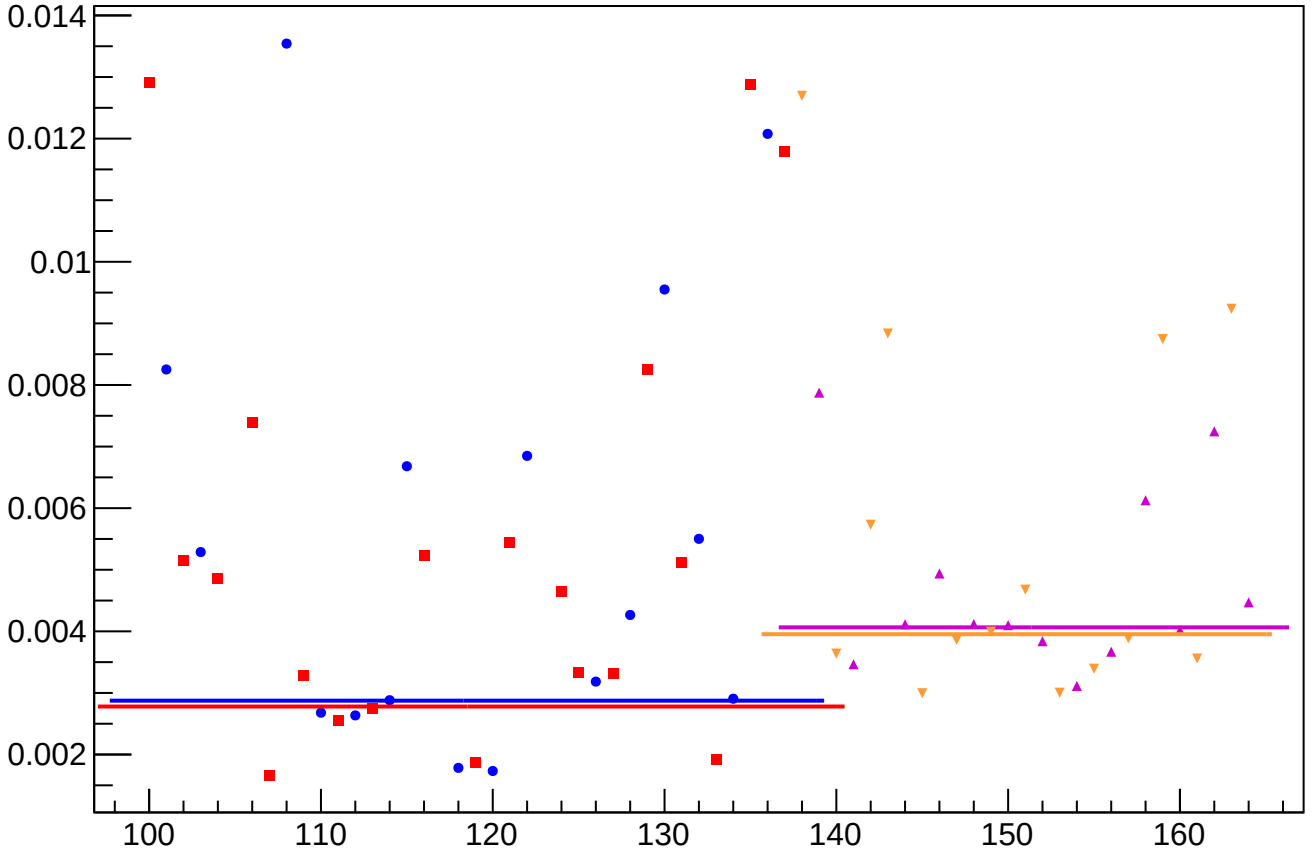
Left: -0.000+/-0.000 χ^2/NDF: 27.2/26

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:34.3/28

Out: -0.000+/-0.000 χ^2/NDF:35.2/32

All: -0.000+/-0.000 χ^2/NDF: 69.7/61



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2757880.6/13

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1084023.3/12

Left: 0.004+/-0.000 χ^2/NDF: 3848936.3/26

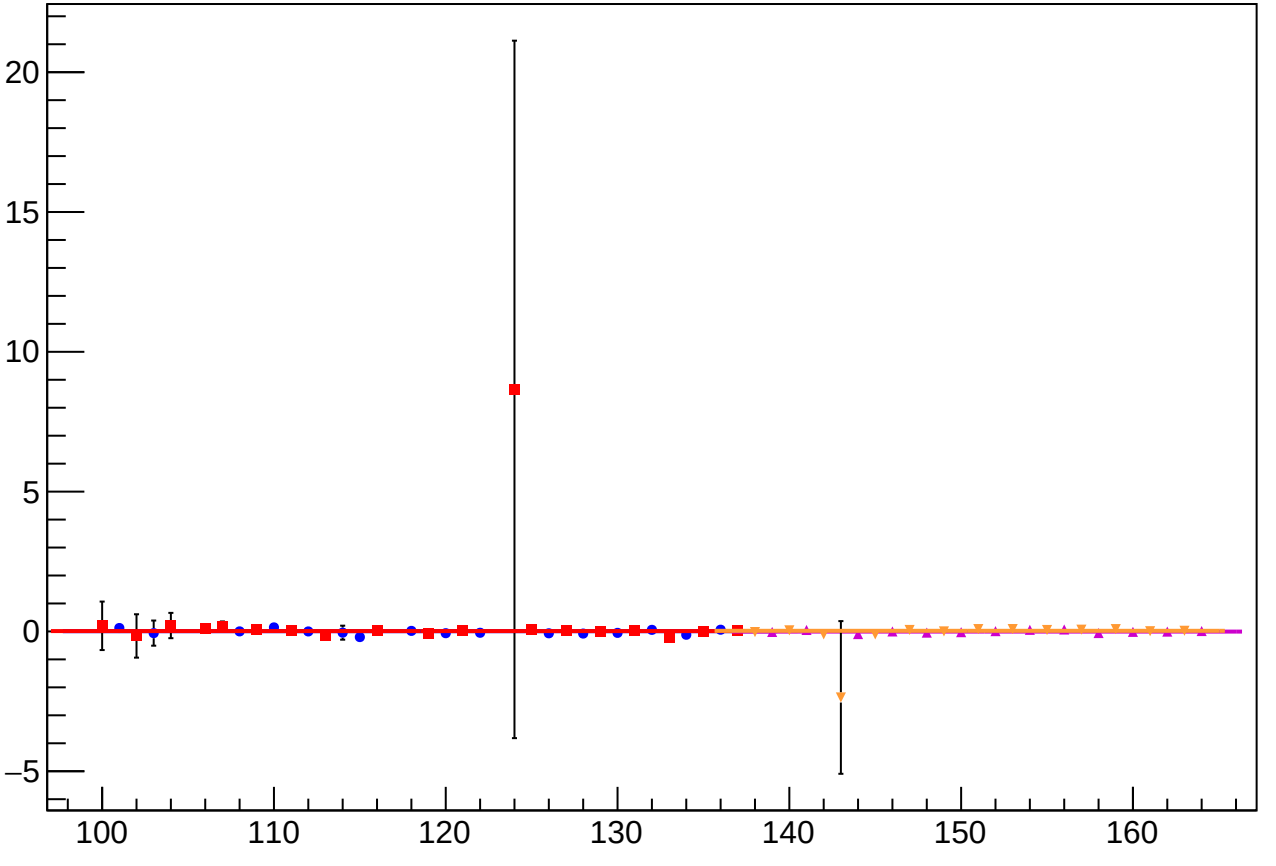
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:6037958.7/28

Out: 0.003+/-0.000 χ^2/NDF:6975228.6/32

All: 0.003+/-0.000 χ^2/NDF: 13036319.8/61

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.008+/-0.009 χ^2/NDF: 28.4/26

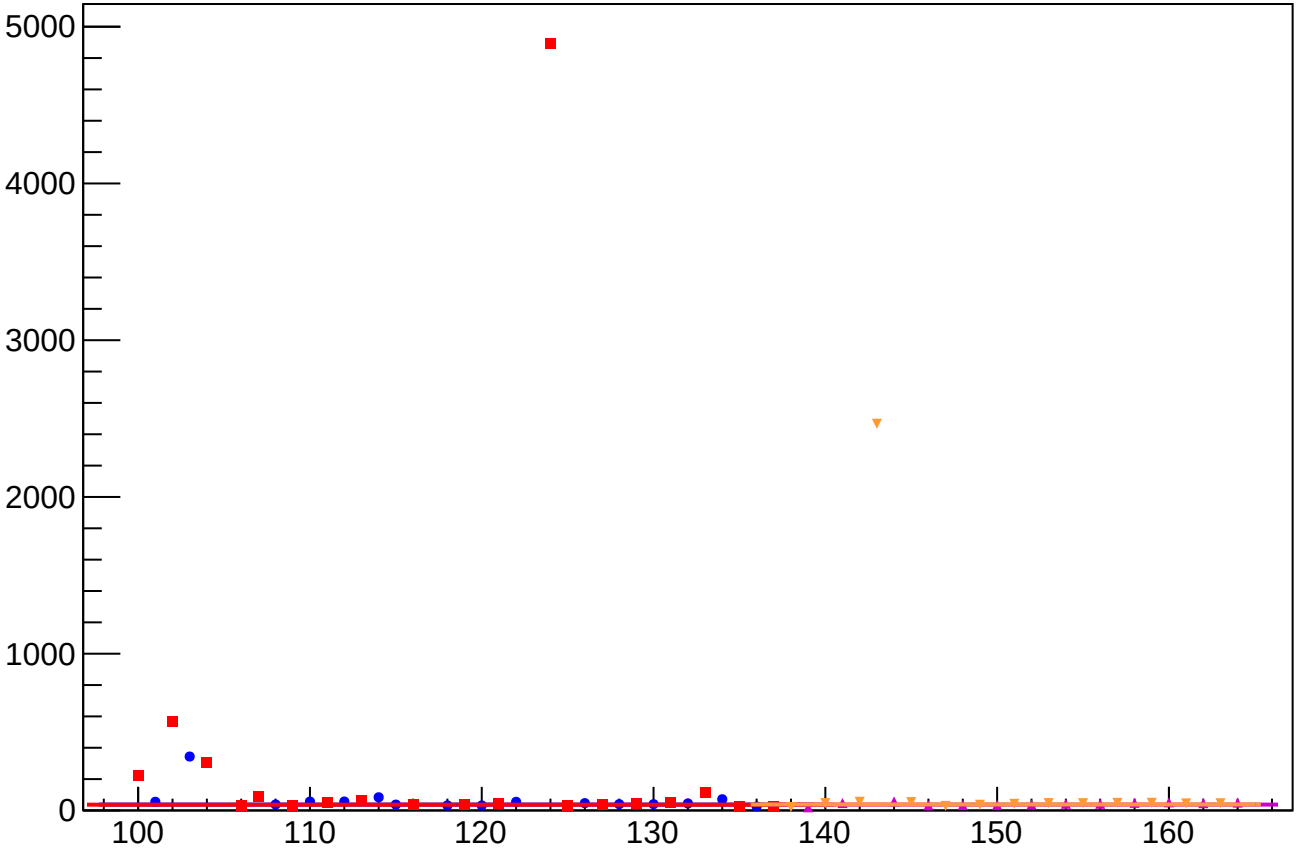
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/61

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: 38.277+/-0.009 χ^2/NDF:2954726.6/13

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

Left: 37.826+/-0.006 χ^2/NDF: 4443197.6/26

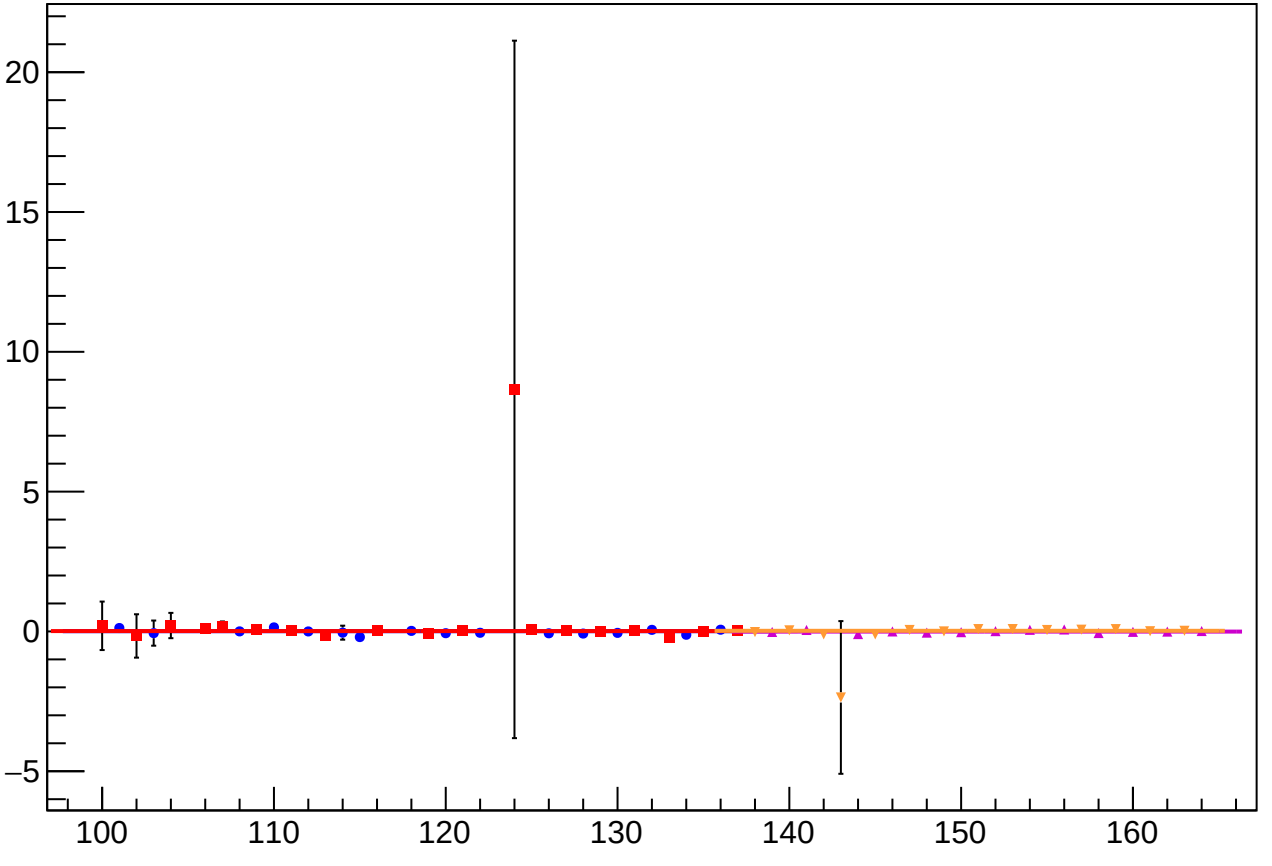
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.441+/-0.007 χ^2/NDF:3467039.0/28

Out: 37.708+/-0.007 χ^2/NDF:6155381.3/32

All: 37.569+/-0.005 χ^2/NDF: 9623126.4/61

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.008+/-0.009 χ^2/NDF: 28.4/26

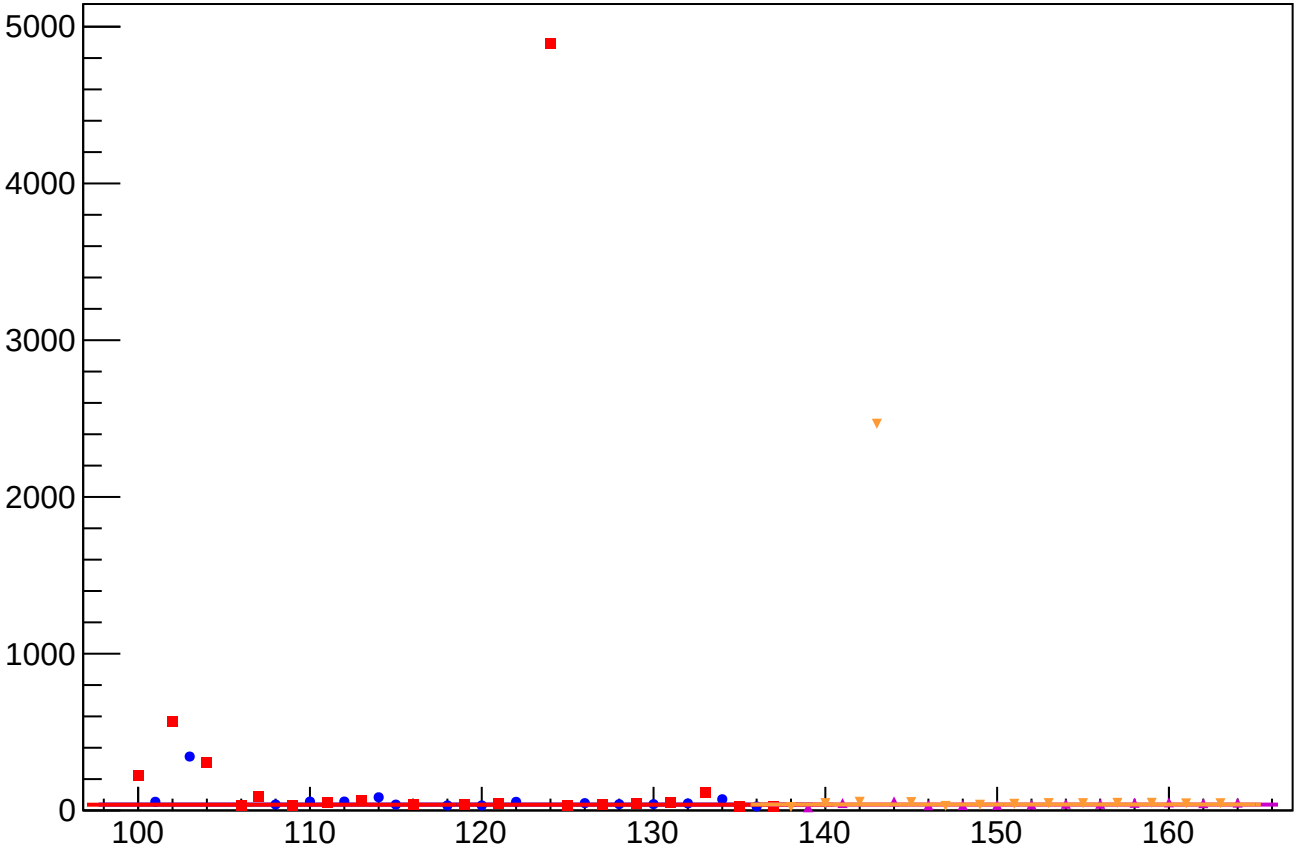
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/61

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: 38.277+/-0.009 χ^2/NDF:2954726.6/13

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

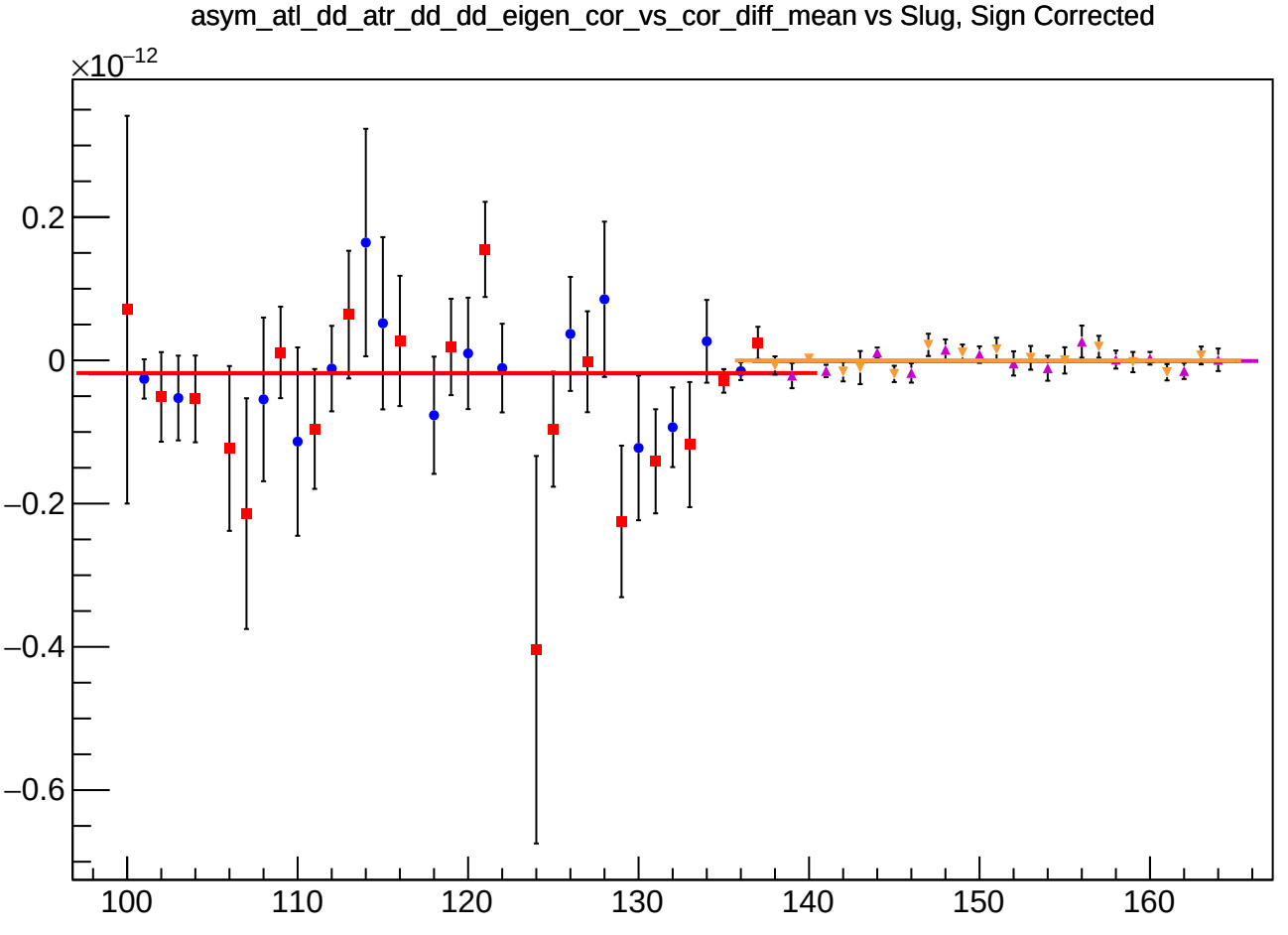
Left: 37.826+/-0.006 χ^2/NDF: 4443197.6/26

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.441+/-0.007 χ^2/NDF:3467039.0/28

Out: 37.708+/-0.007 χ^2/NDF:6155381.3/32

All: 37.569+/-0.005 χ^2/NDF: 9623126.4/61



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/13

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/12

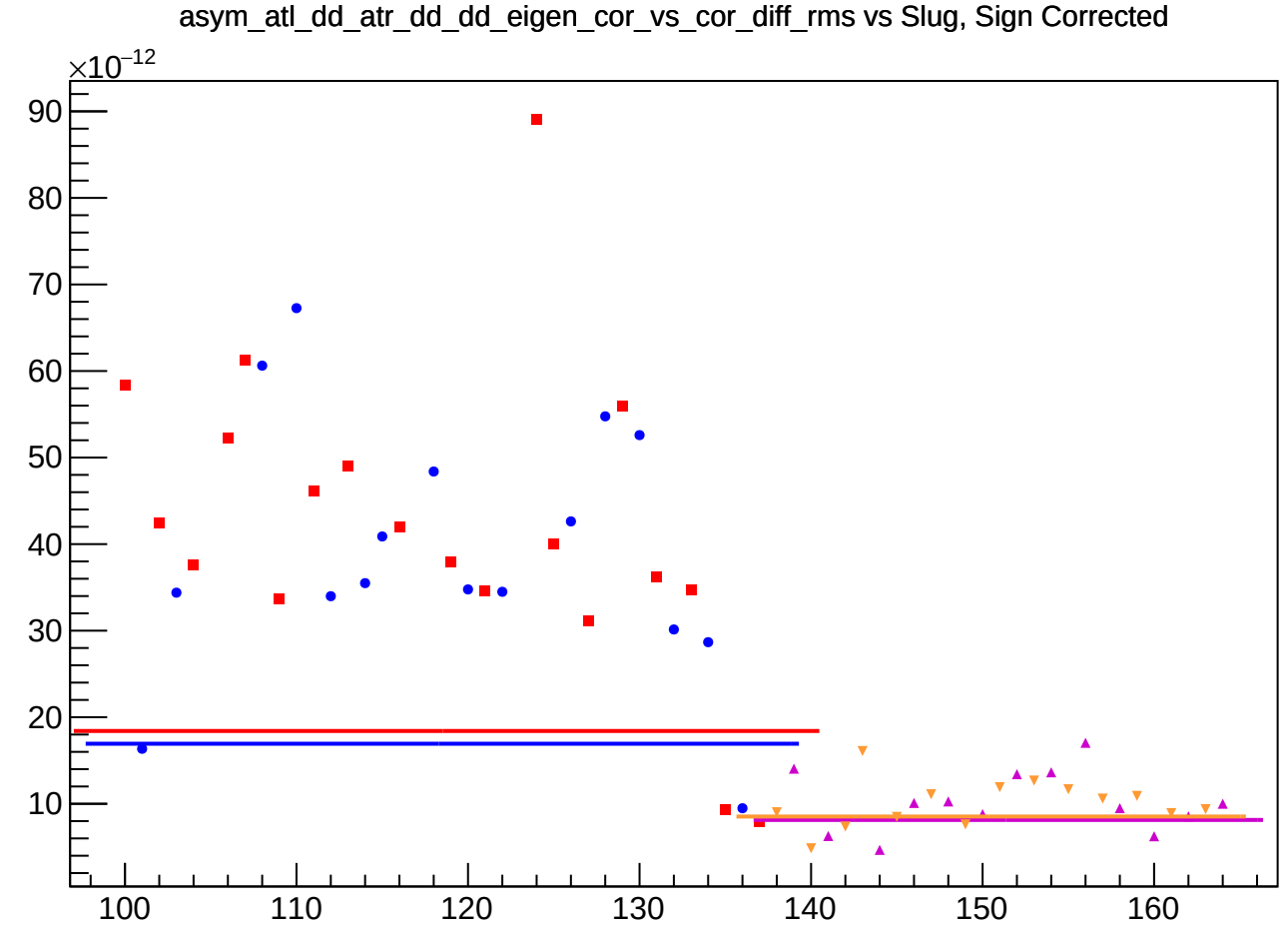
Left: -0.000+/-0.000 χ^2/NDF: 26.1/26

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:24.7/28

Out: -0.000+/-0.000 χ^2/NDF:42.1/32

All: -0.000+/-0.000 χ^2/NDF: 66.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1265752.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1751011.9/12

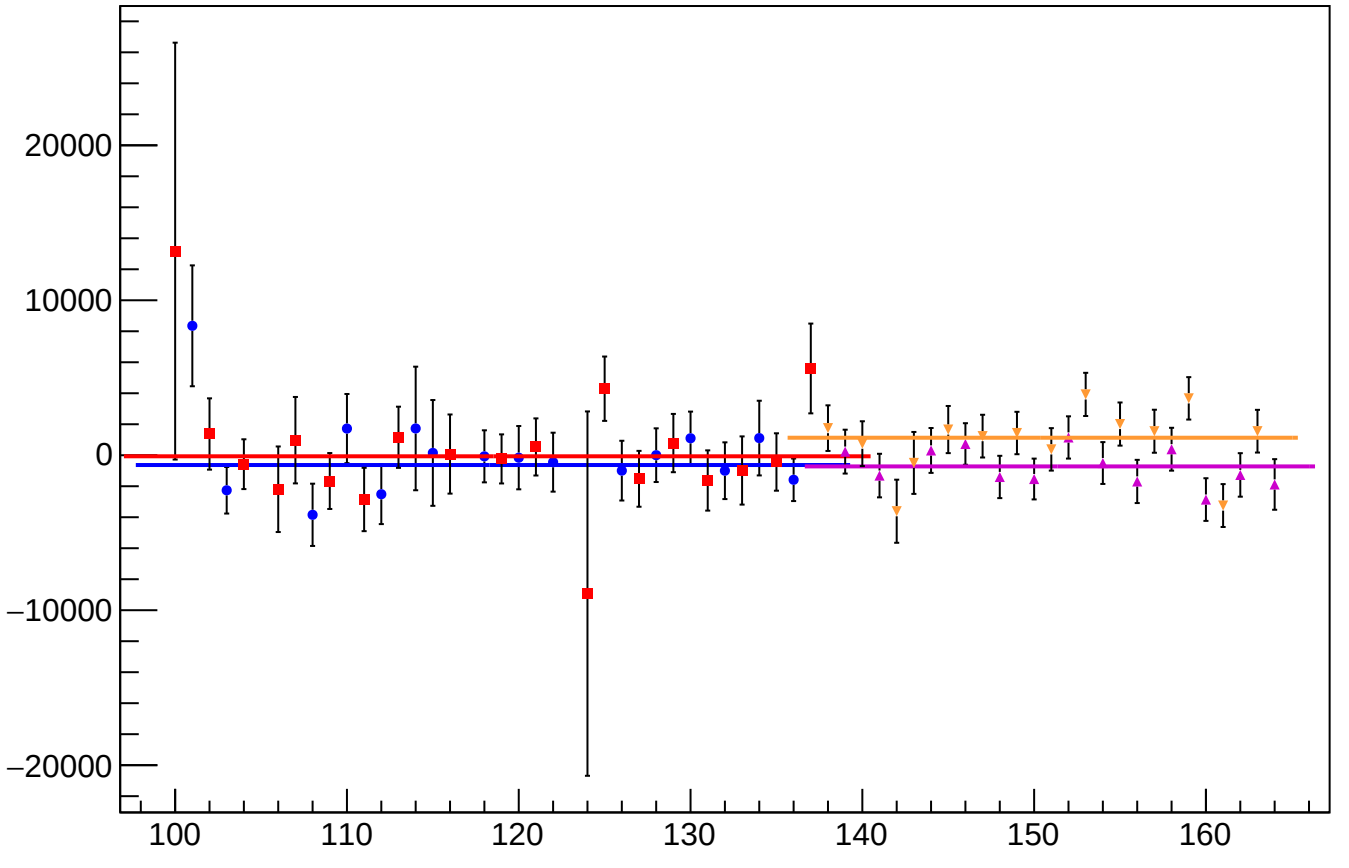
Left: 0.000+/-0.000 χ^2/NDF: 3030949.5/26

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6382475.3/28

Out: 0.000+/-0.000 χ^2/NDF:6404684.6/32

All: 0.000+/-0.000 χ^2/NDF: 12801042.7/61



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.306+/-389.562 χ^2/NDF:24.9/13

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -720.669+/-386.715 χ^2/NDF:9.0/12

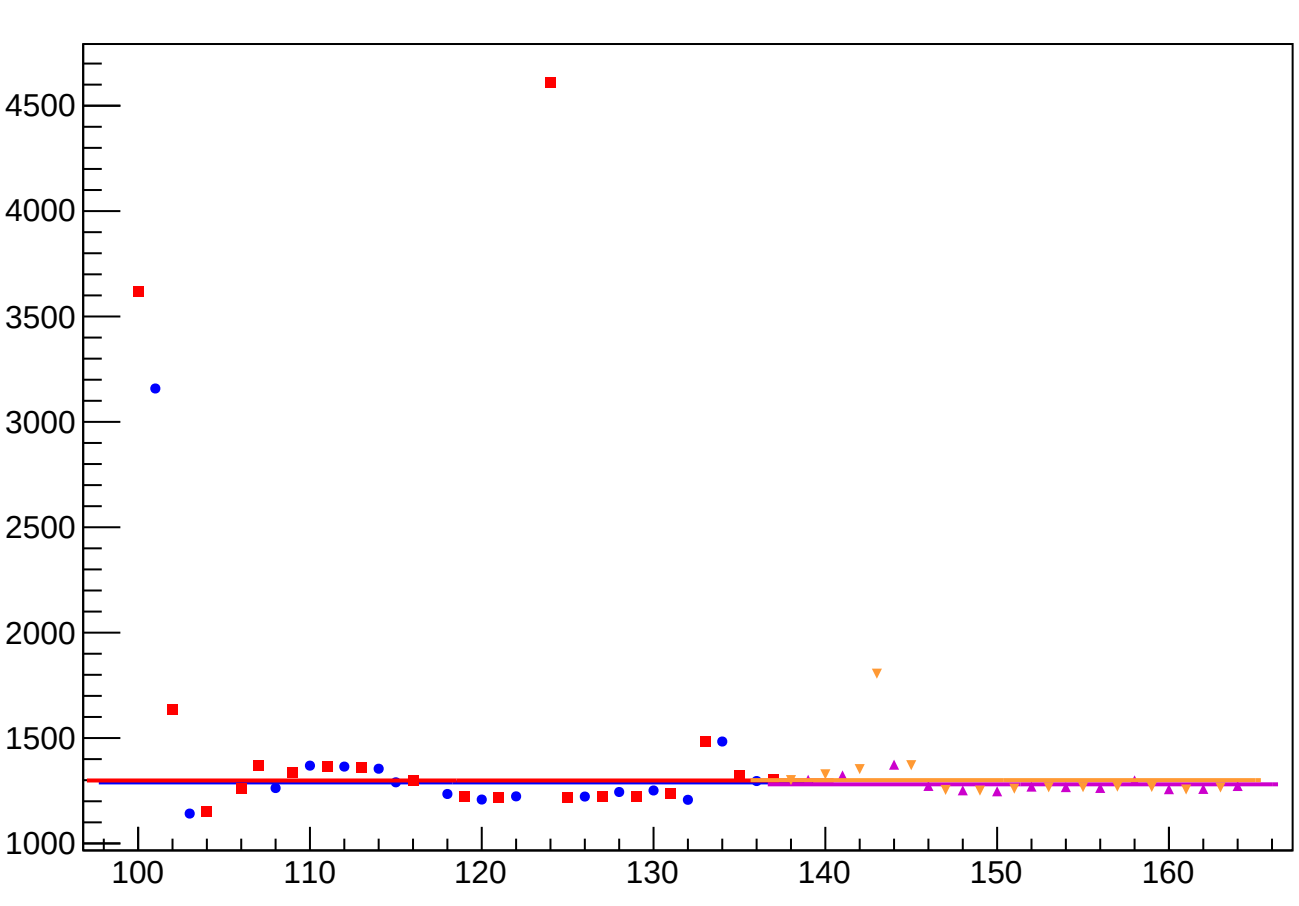
Left: 198.030+/-274.450 χ^2/NDF: 45.3/26

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -686.154+/-303.246 χ^2/NDF:23.0/28

Out: 663.758+/-304.394 χ^2/NDF:44.4/32

All: -13.748+/-214.832 χ^2/NDF: 77.3/61



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

Left: 1290.315+/-0.194 χ^2/NDF: 166074.6/26

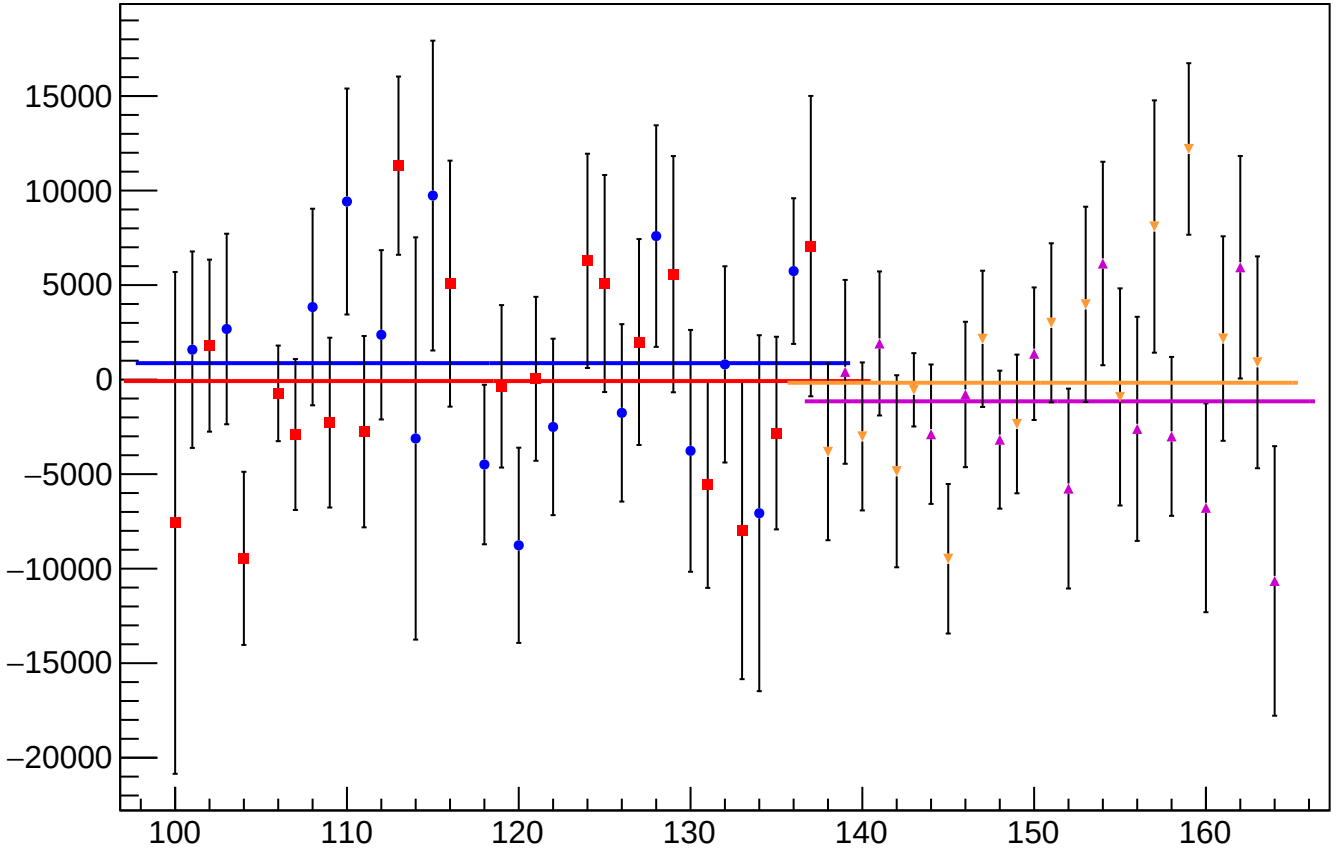
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1283.931+/-0.214 χ^2/NDF:529906.3/28

Out: 1299.664+/-0.215 χ^2/NDF:468035.3/32

All: 1291.776+/-0.152 χ^2/NDF: 1000625.9/61

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: -165.392+/-1058.655 χ^2/NDF:18.8/13

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -1148.780+/-1244.618 χ^2/NDF:8.9/12

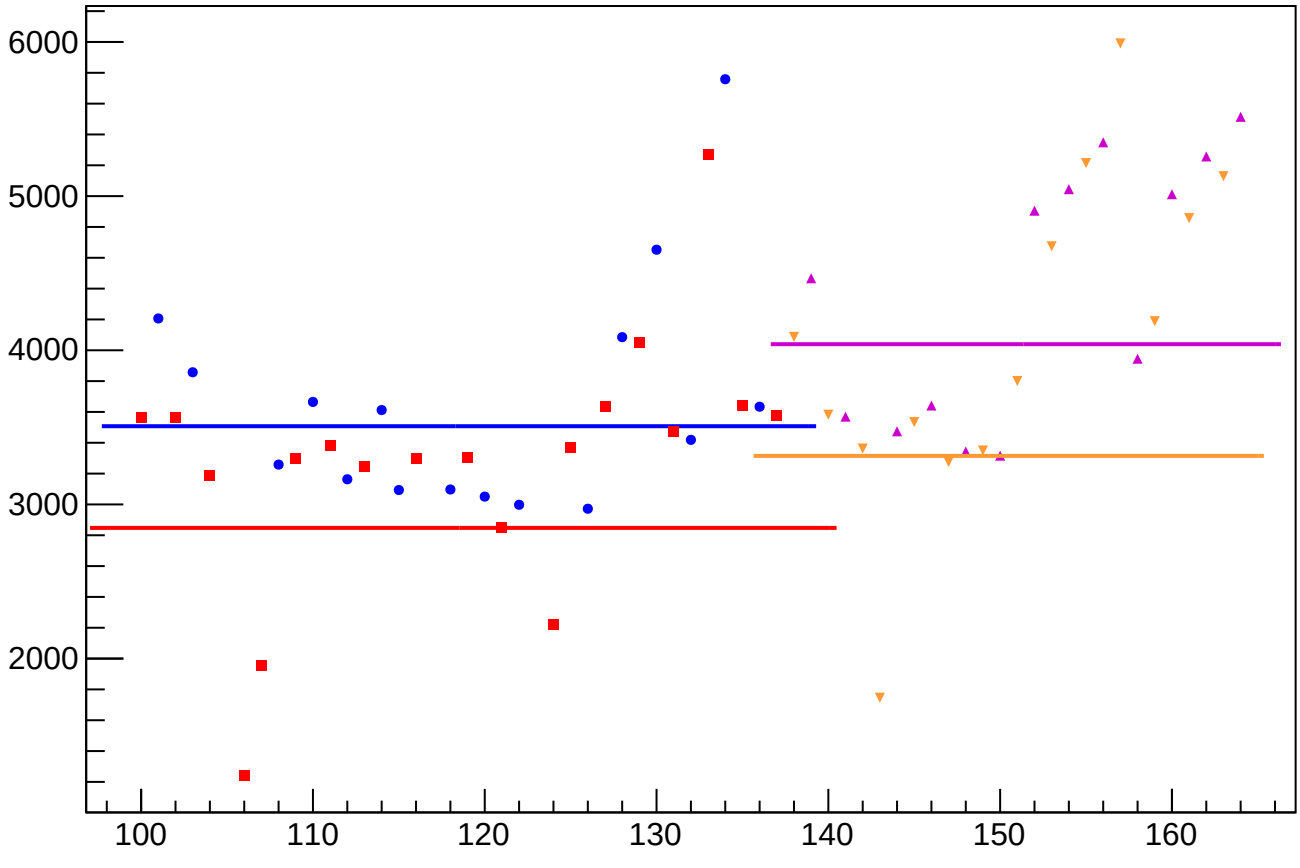
Left: -578.203+/-806.397 χ^2/NDF: 28.0/26

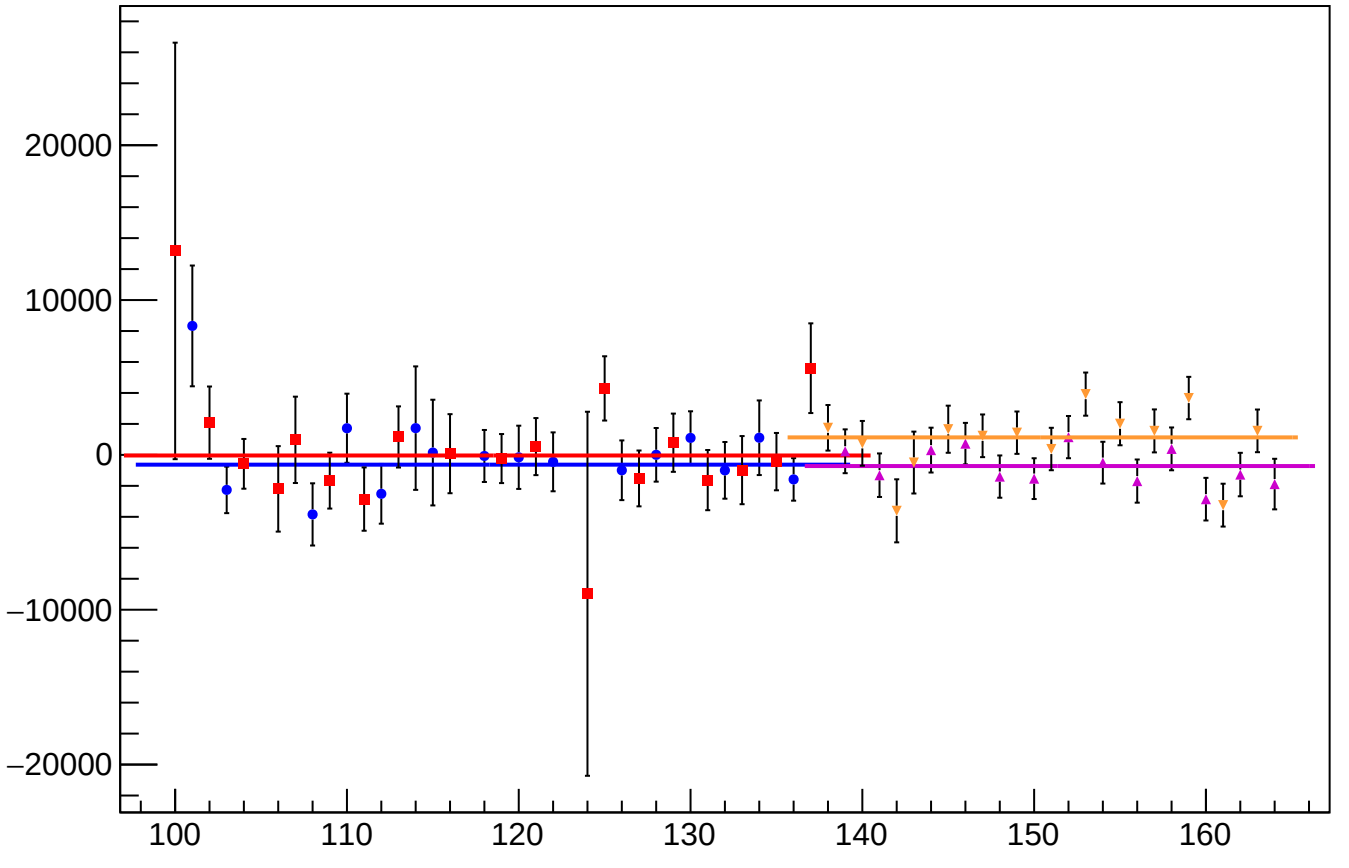
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: -202.552+/-907.254 χ^2/NDF:24.2/28

Out: -123.484+/-766.444 χ^2/NDF:37.1/32

All: -156.413+/-585.485 χ^2/NDF: 61.3/61


asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 3315.074+/-0.749 χ²/NDF:2531086.6/13
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 4039.434+/-0.880 χ²/NDF:727696.0/12
Left: 3619.149+/-0.570 χ²/NDF: 3651840.6/26
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3790.098+/-0.642 χ²/NDF:1252946.6/28
Out: 3092.735+/-0.542 χ²/NDF:4215846.5/32
All: 3383.159+/-0.414 χ²/NDF: 6158335.0/61



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -720.663+/-386.715 χ^2/NDF:9.0/12

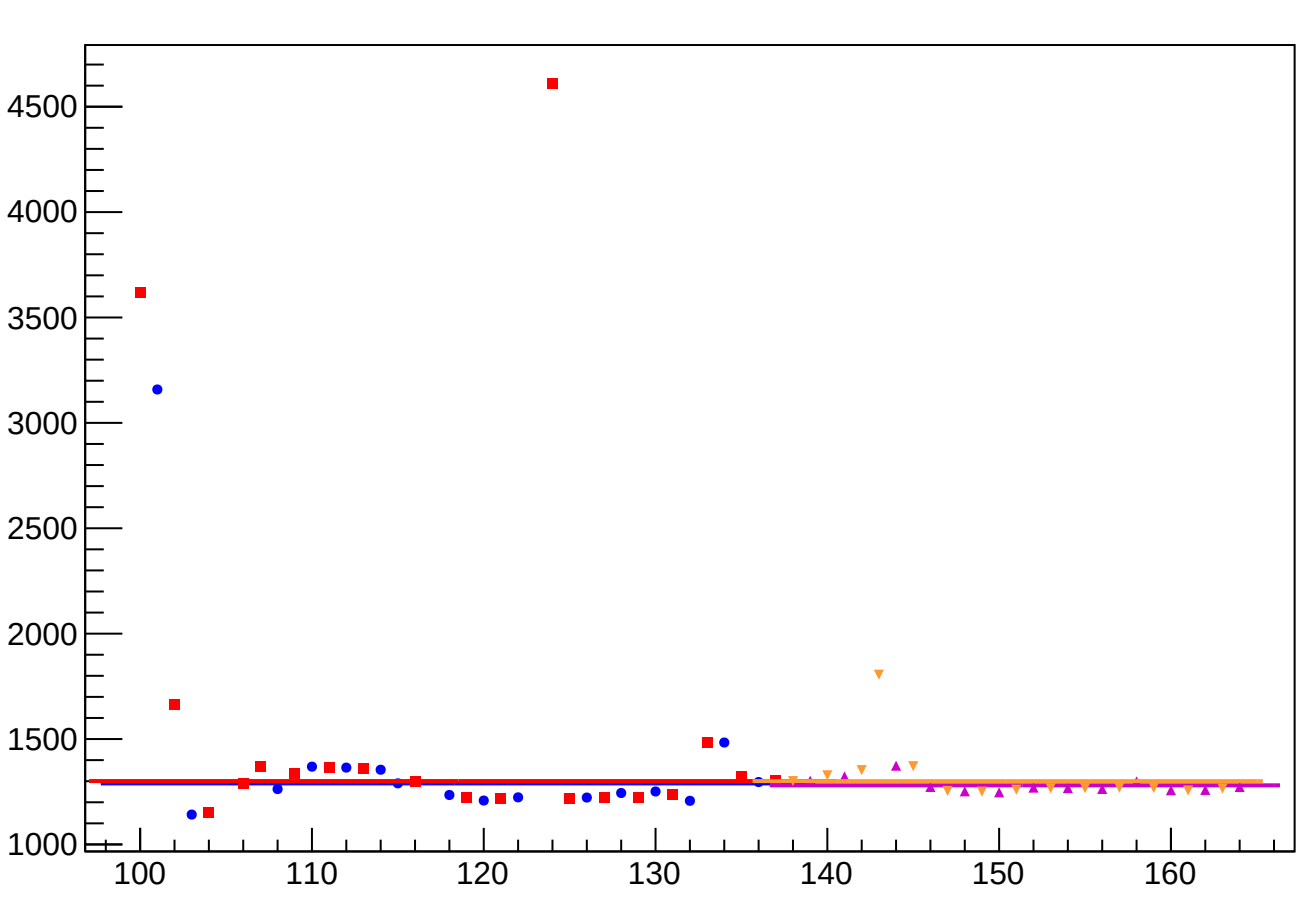
Left: 198.048+/-274.450 χ^2/NDF: 45.3/26

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -686.298+/-303.246 χ^2/NDF:22.9/28

Out: 675.447+/-304.472 χ^2/NDF:44.7/32

All: -8.174+/-214.859 χ^2/NDF: 77.7/61



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

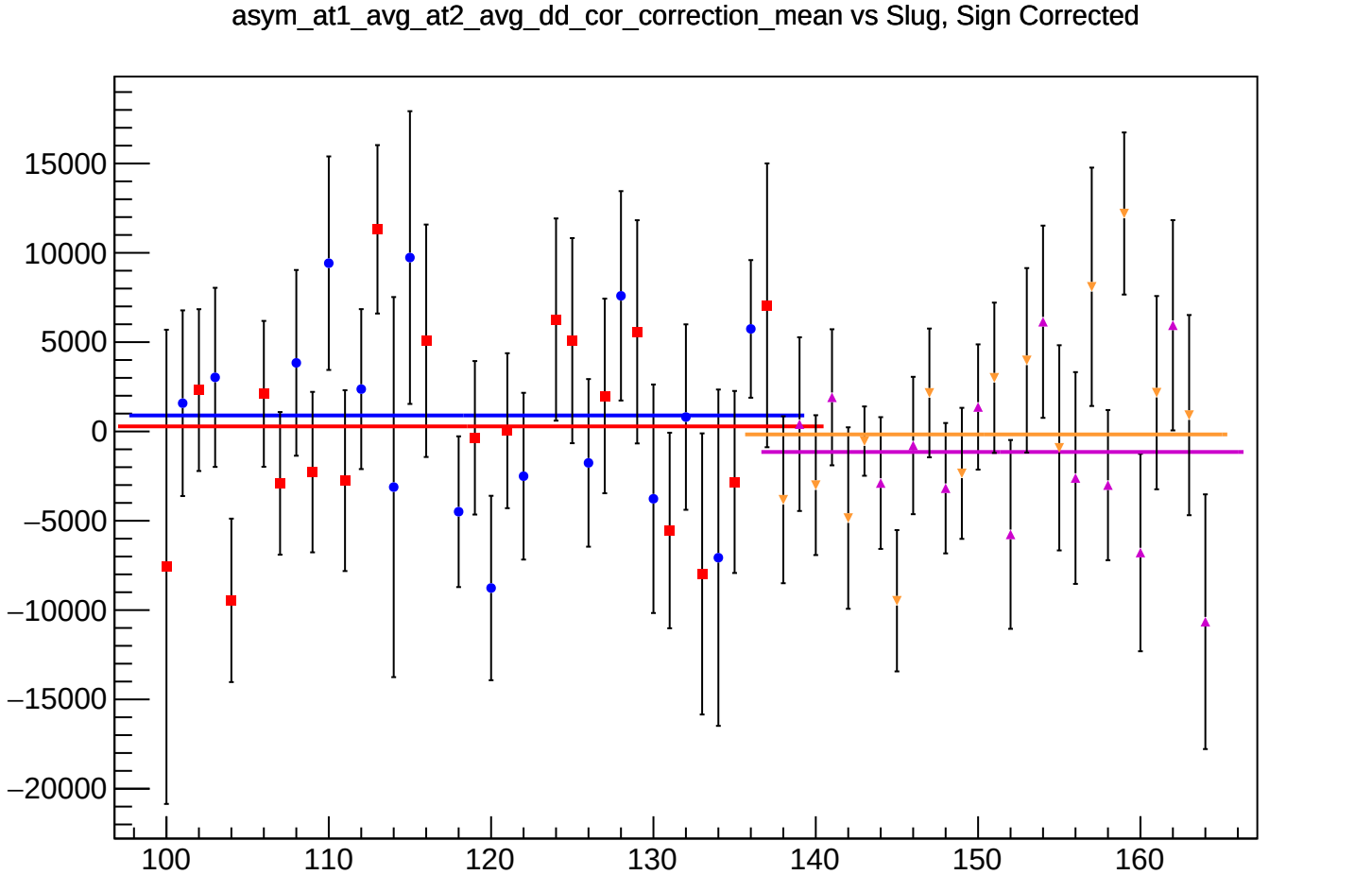
Left: 1290.315+/-0.194 χ^2/NDF: 166074.6/26

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

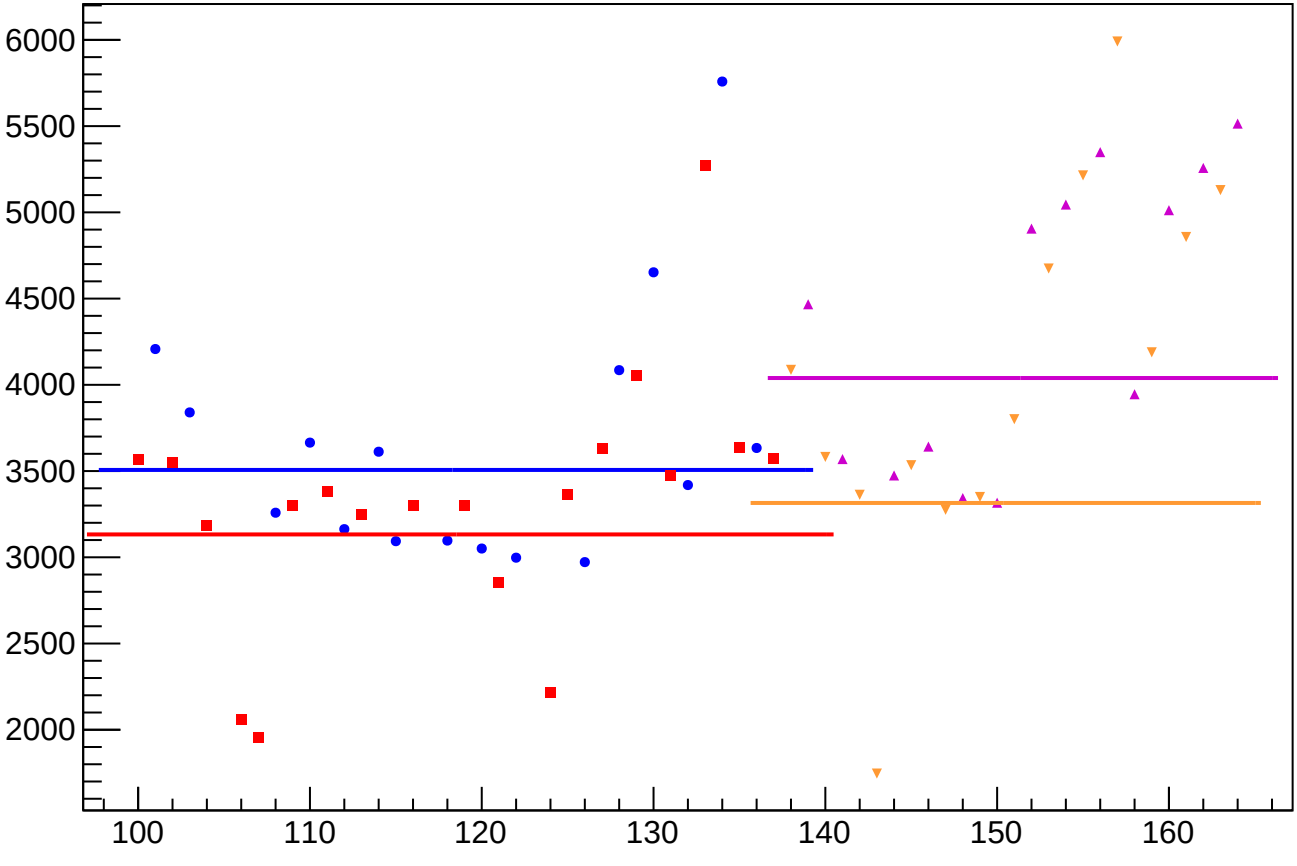
In: 1283.931+/-0.214 χ^2/NDF:529907.7/28

Out: 1300.456+/-0.215 χ^2/NDF:474554.7/32

All: 1292.166+/-0.152 χ^2/NDF: 1007422.3/61


asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -165.293+/-1058.652 χ²/NDF:18.8/13
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1148.822+/-1244.617 χ²/NDF:8.9/12
Left: -578.162+/-806.396 χ²/NDF: 28.0/26
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -190.171+/-907.107 χ²/NDF:24.3/28
Out: 34.458+/-788.943 χ²/NDF:37.5/32
All: -62.282+/-595.291 χ²/NDF: 61.8/61

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

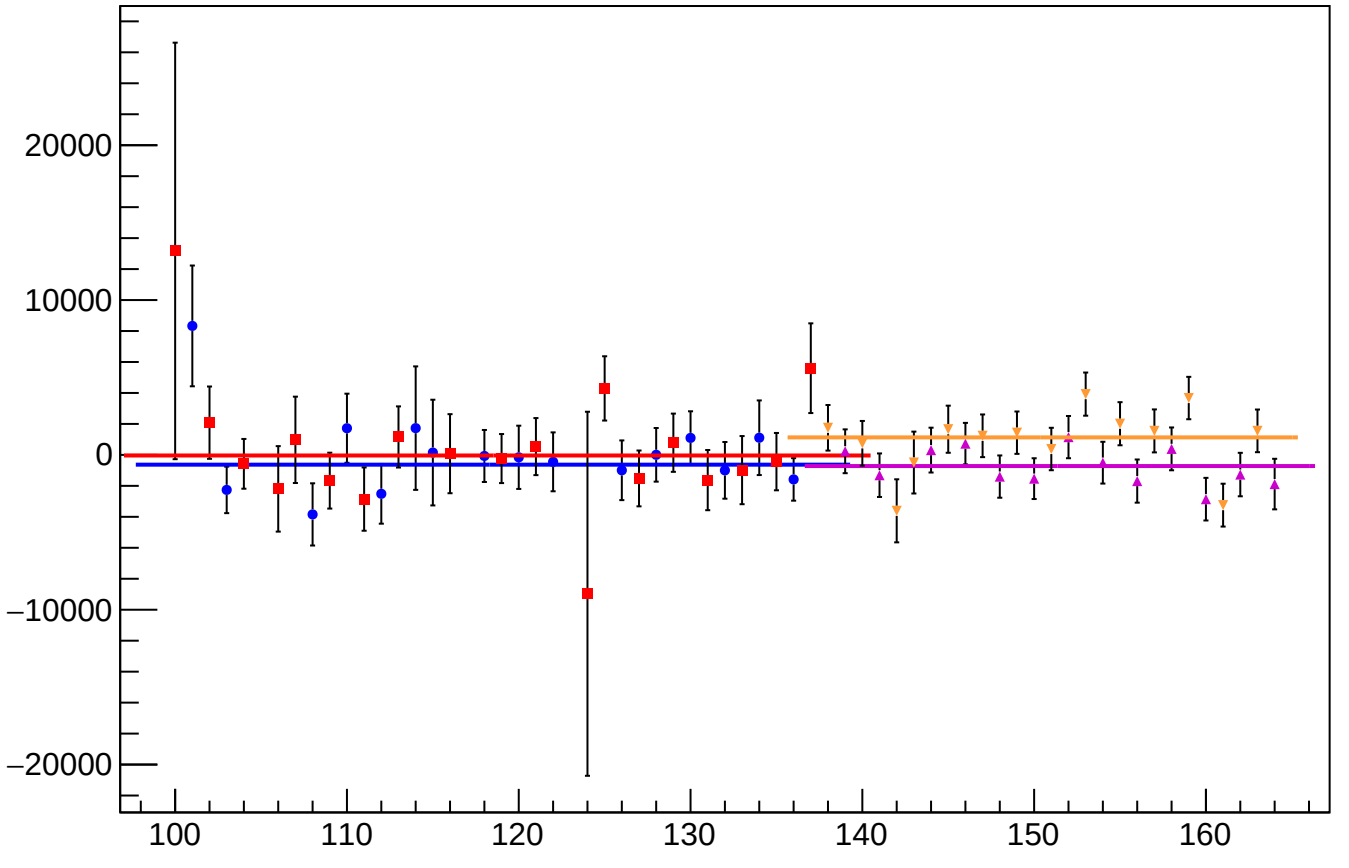
Left: 3619.140+/-0.570 χ^2/NDF: 3651871.8/26

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3789.577+/-0.641 χ^2/NDF:1252855.1/28

Out: 3233.929+/-0.558 χ^2/NDF:3207139.2/32

All: 3473.228+/-0.421 χ^2/NDF: 4887241.3/61



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -720.663+/-386.715 χ^2/NDF:9.0/12

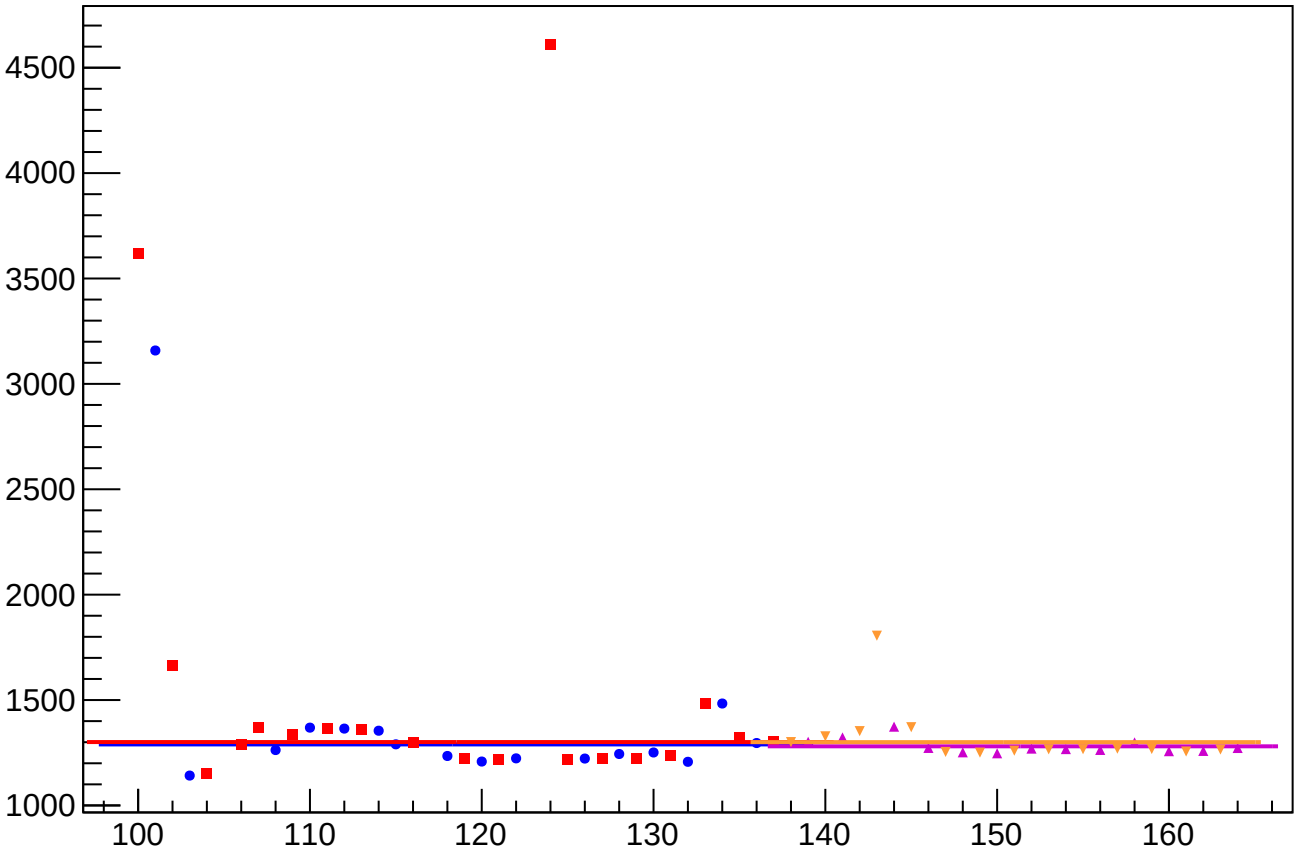
Left: 198.048+/-274.450 χ^2/NDF: 45.3/26

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -686.298+/-303.246 χ^2/NDF:22.9/28

Out: 675.447+/-304.472 χ^2/NDF:44.7/32

All: -8.174+/-214.859 χ^2/NDF: 77.7/61



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

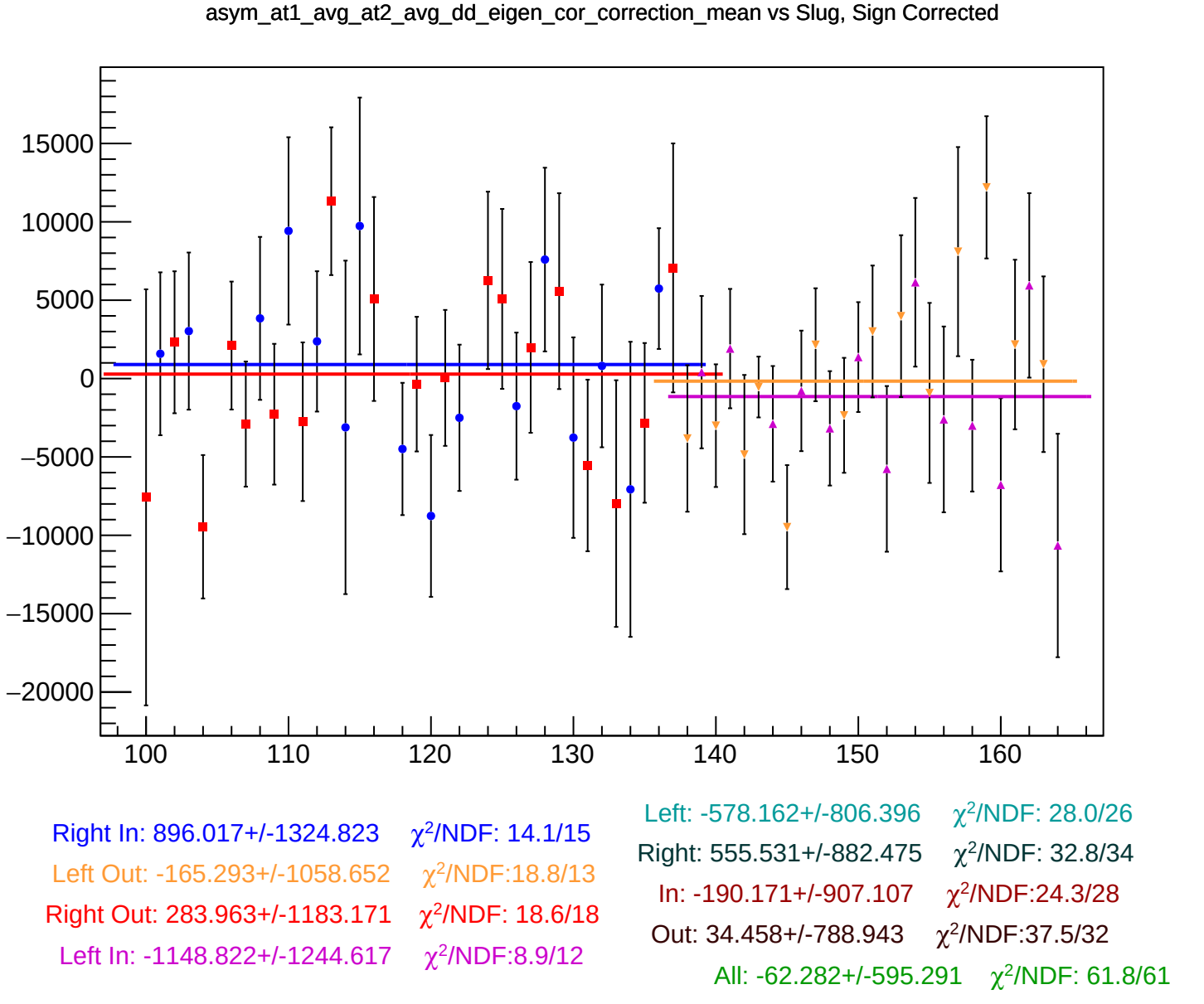
Left: 1290.315+/-0.194 χ^2/NDF: 166074.6/26

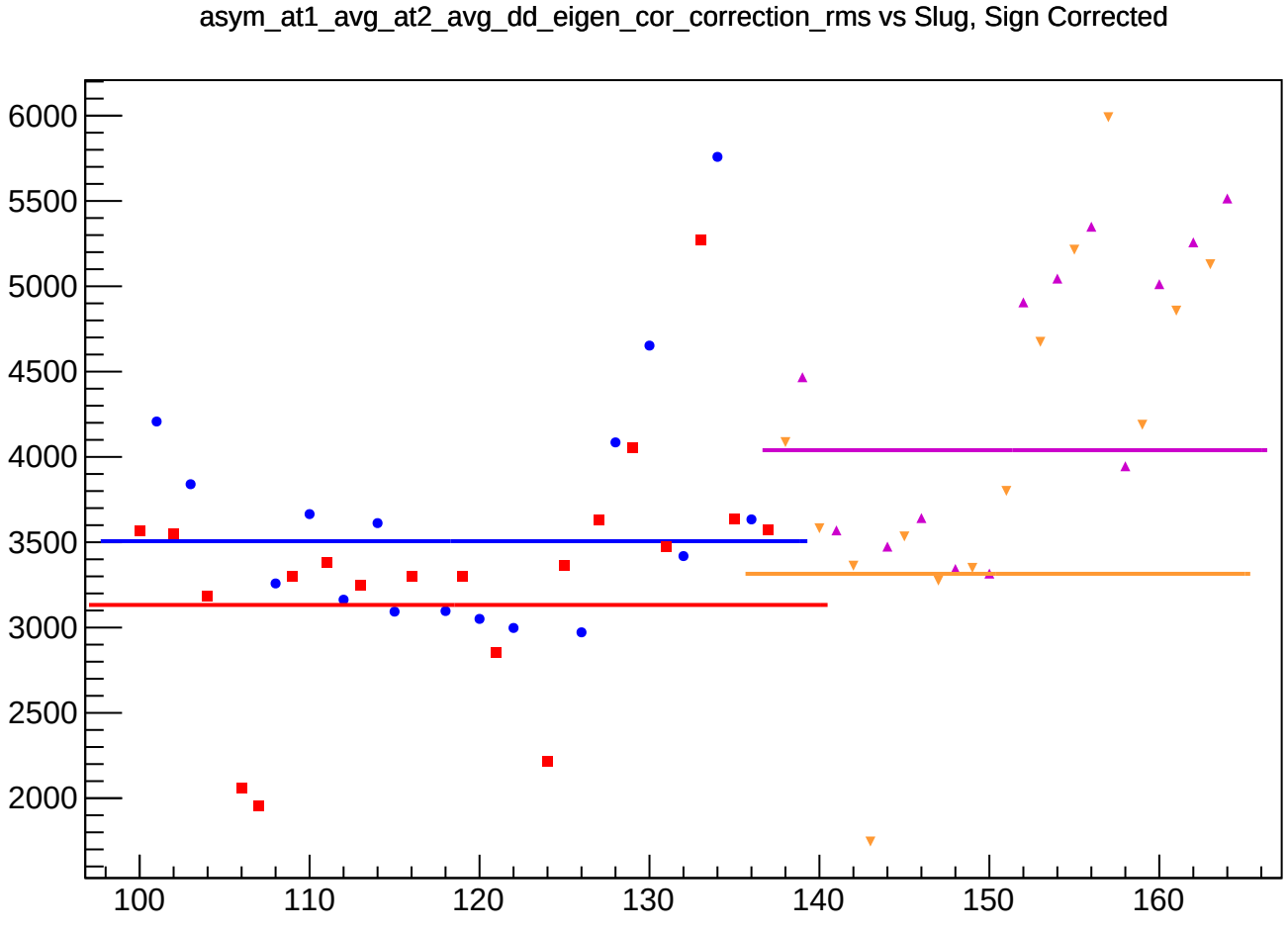
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.931+/-0.214 χ^2/NDF:529907.7/28

Out: 1300.456+/-0.215 χ^2/NDF:474554.7/32

All: 1292.166+/-0.152 χ^2/NDF: 1007422.3/61


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
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -165.293+/-1058.652 χ²/NDF:18.8/13
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1148.822+/-1244.617 χ²/NDF:8.9/12
Left: -578.162+/-806.396 χ²/NDF: 28.0/26
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -190.171+/-907.107 χ²/NDF:24.3/28
Out: 34.458+/-788.943 χ²/NDF:37.5/32
All: -62.282+/-595.291 χ²/NDF: 61.8/61



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

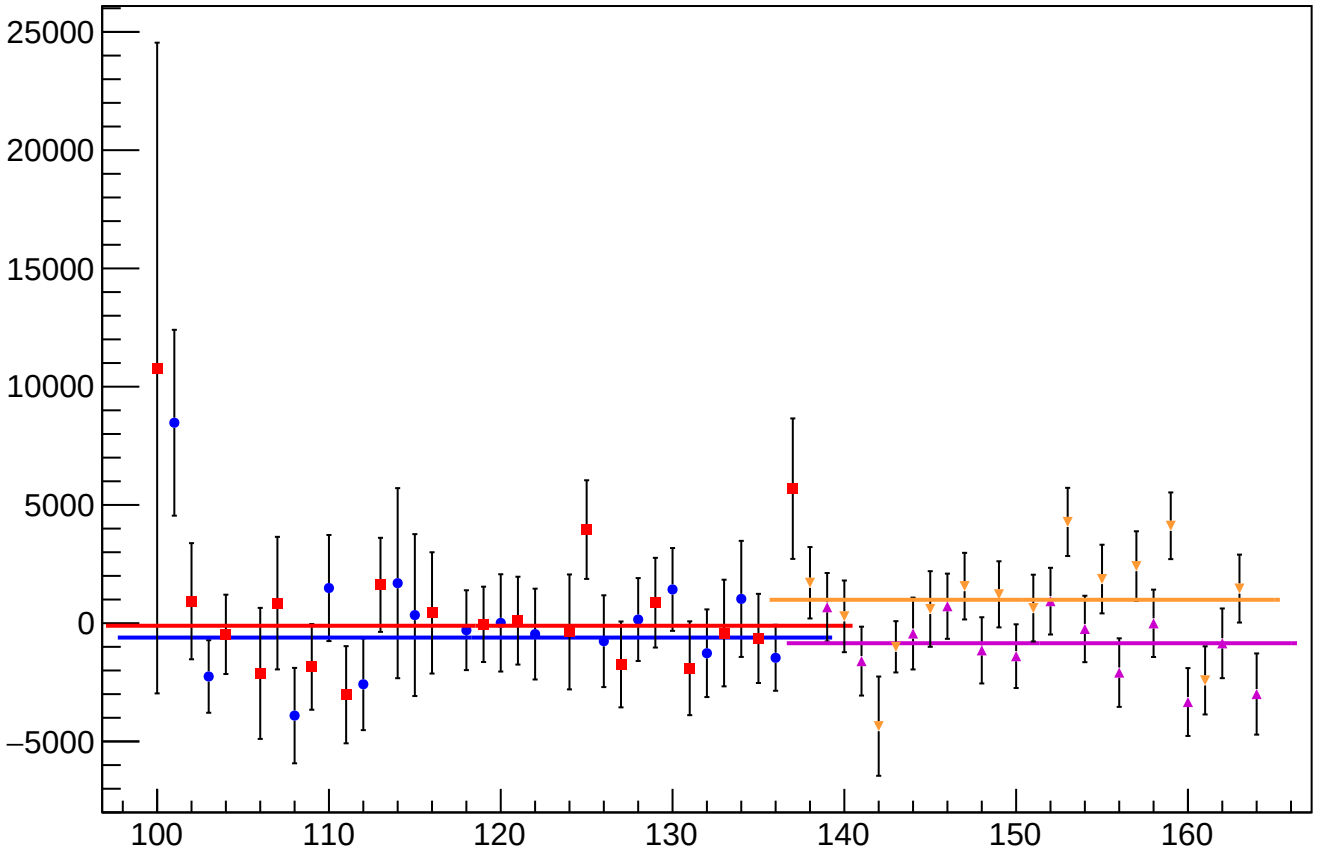
Left: 3619.140+/-0.570 χ^2/NDF: 3651871.8/26

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3789.577+/-0.641 χ^2/NDF:1252855.1/28

Out: 3233.929+/-0.558 χ^2/NDF:3207139.2/32

All: 3473.228+/-0.421 χ^2/NDF: 4887241.3/61



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.710+/-384.960 χ^2/NDF:27.8/13

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -847.227+/-400.519 χ^2/NDF:10.4/12

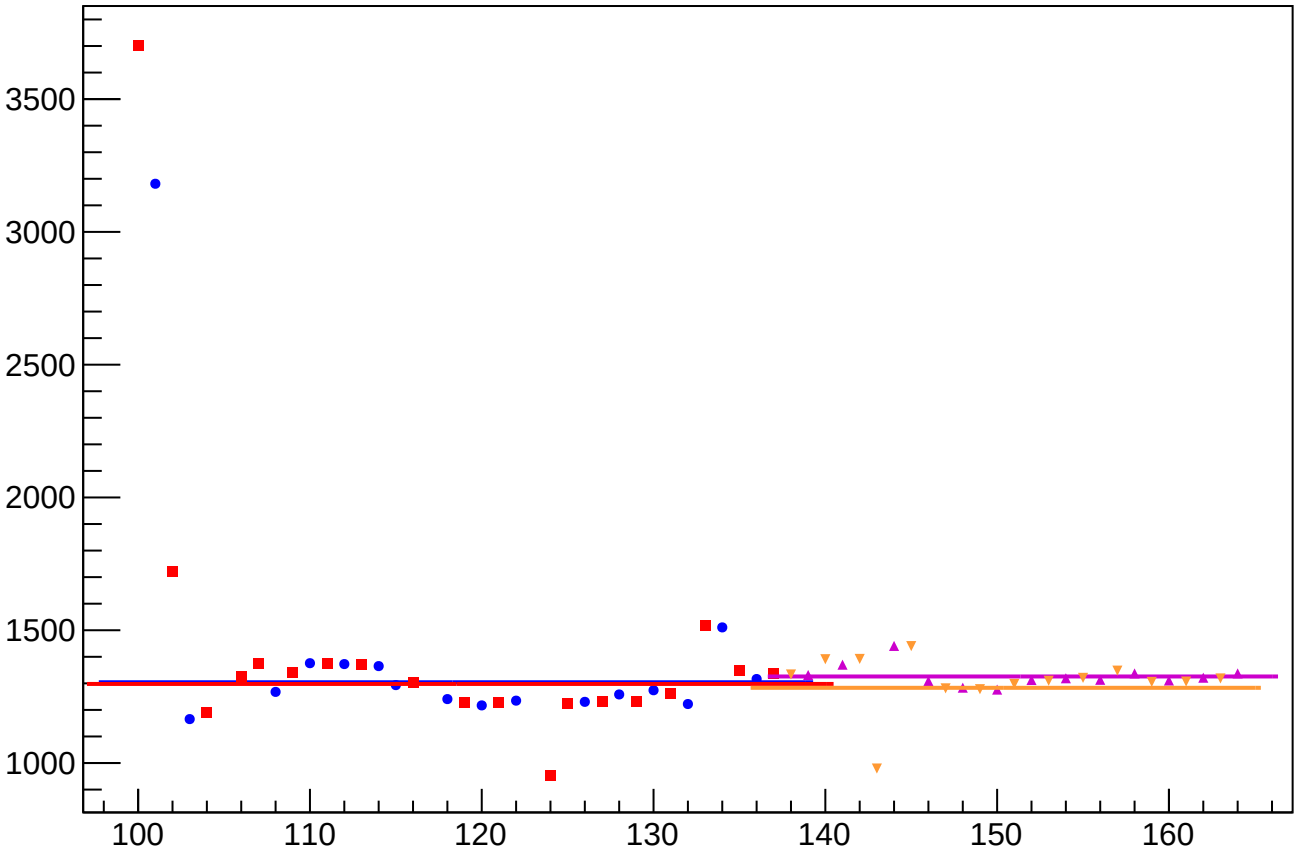
Left: 107.614+/-277.545 χ^2/NDF: 49.1/26

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -752.319+/-311.157 χ^2/NDF:24.6/28

Out: 565.793+/-301.656 χ^2/NDF:45.8/32

All: -72.830+/-216.584 χ^2/NDF: 79.6/61



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.230+/-0.272 χ^2/NDF:202612.3/13

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.933+/-0.283 χ^2/NDF:19015.9/12

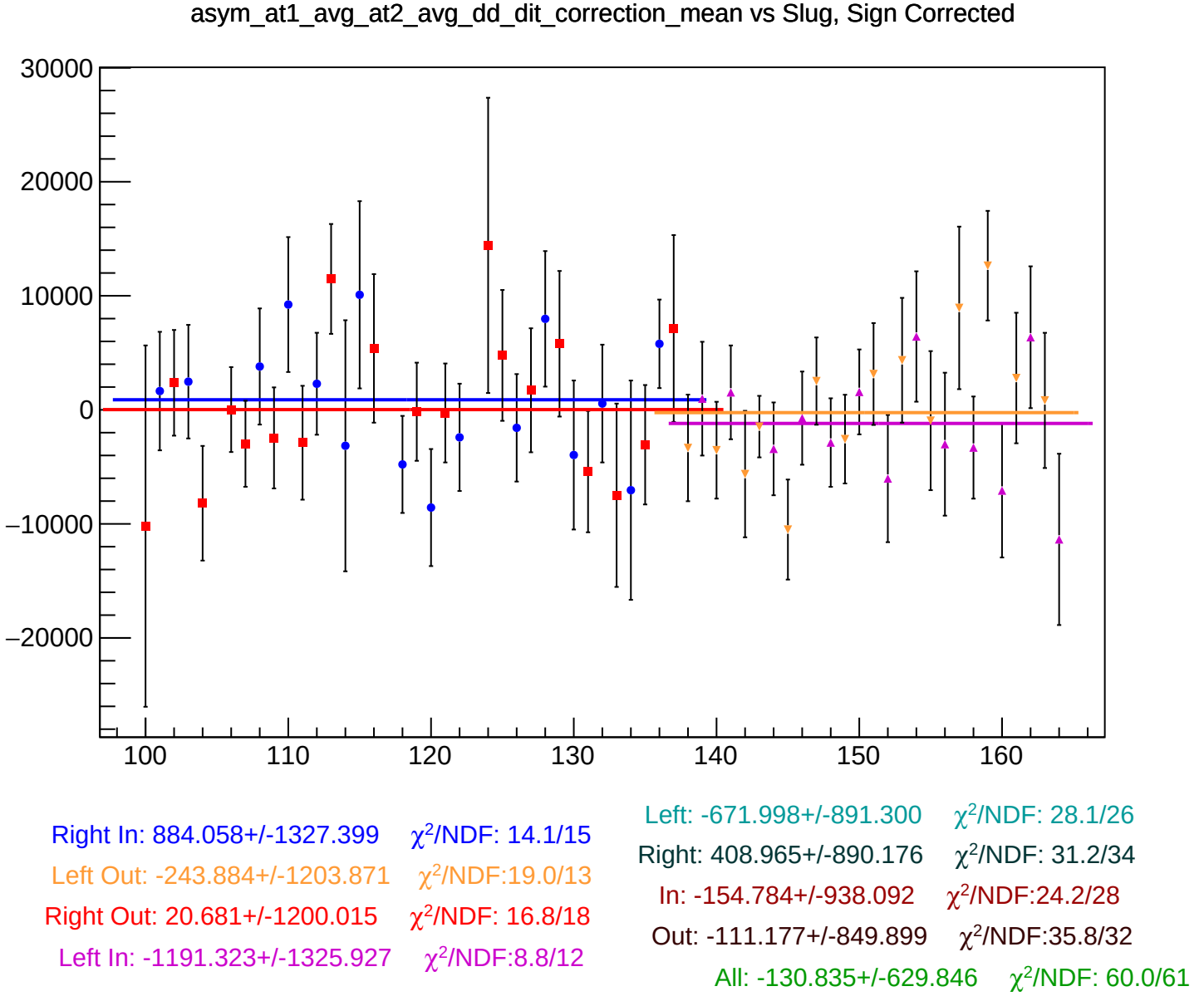
Left: 1303.736+/-0.196 χ^2/NDF: 233445.9/26

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

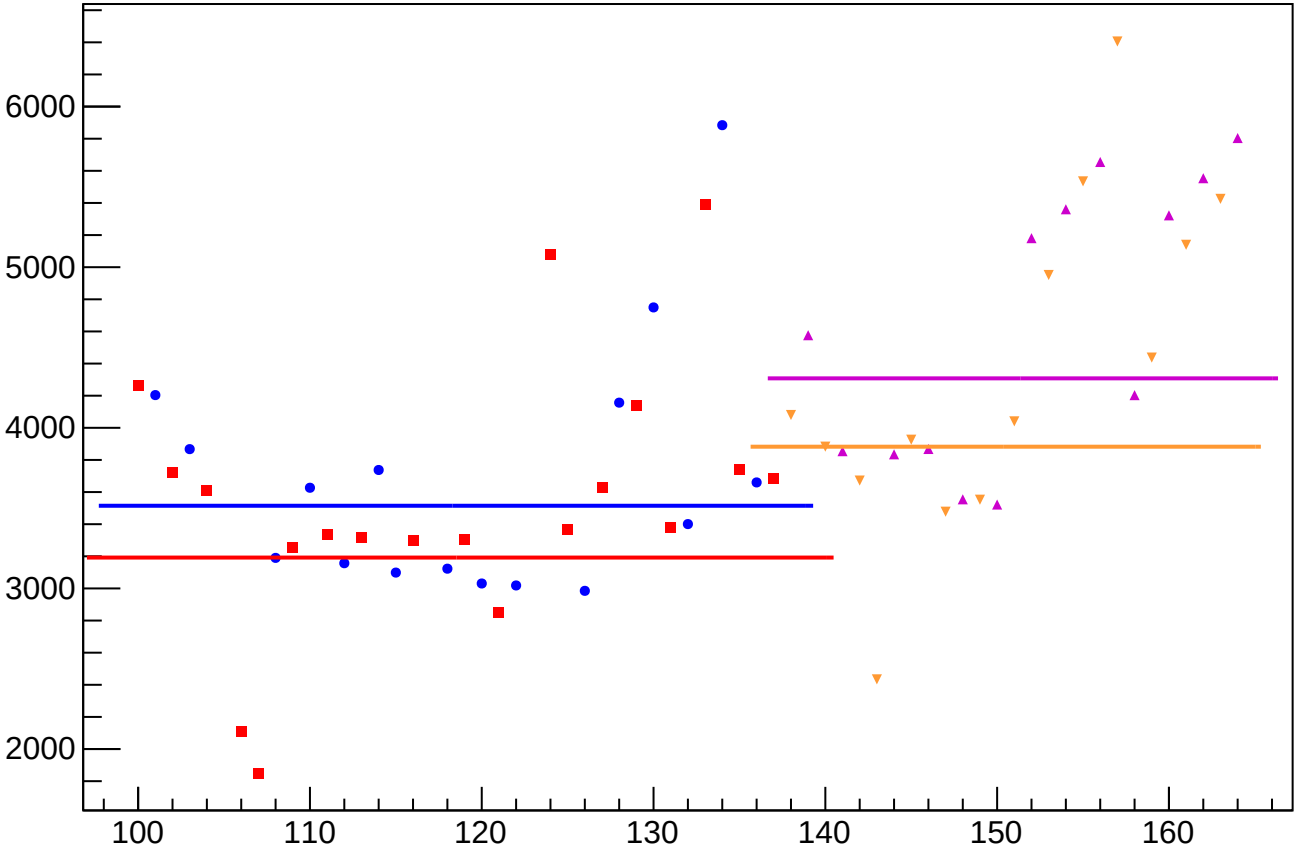
In: 1317.278+/-0.220 χ^2/NDF:531960.9/28

Out: 1288.857+/-0.213 χ^2/NDF:416815.4/32

All: 1302.623+/-0.153 χ^2/NDF: 957380.3/61


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -243.884+/-1203.871 χ²/NDF:19.0/13
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -1191.323+/-1325.927 χ²/NDF:8.8/12
Left: -671.998+/-891.300 χ²/NDF: 28.1/26
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -154.784+/-938.092 χ²/NDF:24.2/28
Out: -111.177+/-849.899 χ²/NDF:35.8/32
All: -130.835+/-629.846 χ²/NDF: 60.0/61

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: 3882.446+/-0.851 χ^2/NDF:1355221.4/13

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4307.916+/-0.938 χ^2/NDF:674431.0/12

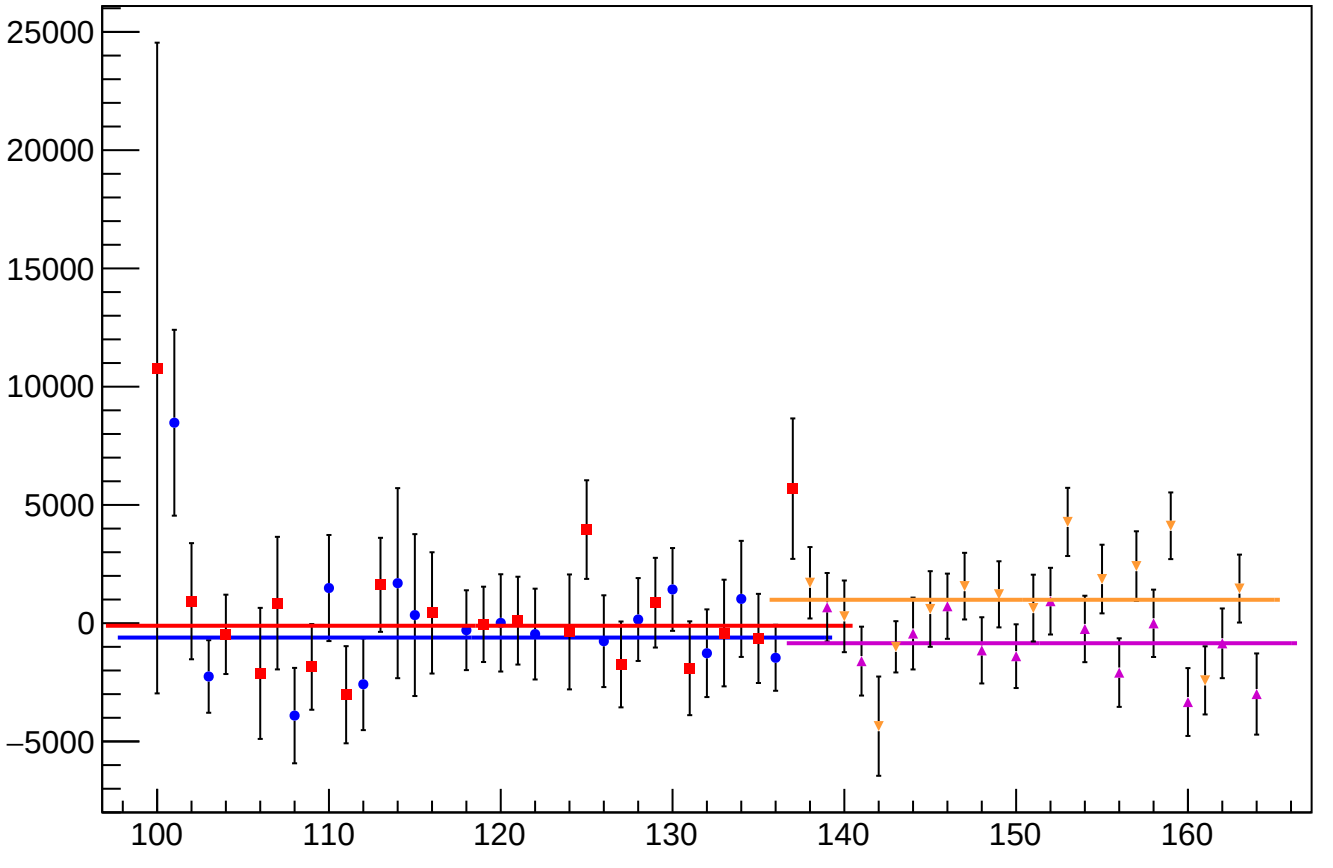
Left: 4074.701+/-0.630 χ^2/NDF: 2142532.1/26

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3911.771+/-0.663 χ^2/NDF:1406956.8/28

Out: 3536.218+/-0.601 χ^2/NDF:2457505.3/32

All: 3705.515+/-0.445 χ^2/NDF: 4040504.4/61



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.716+/-384.960 χ^2/NDF:27.8/13

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -847.228+/-400.519 χ^2/NDF:10.4/12

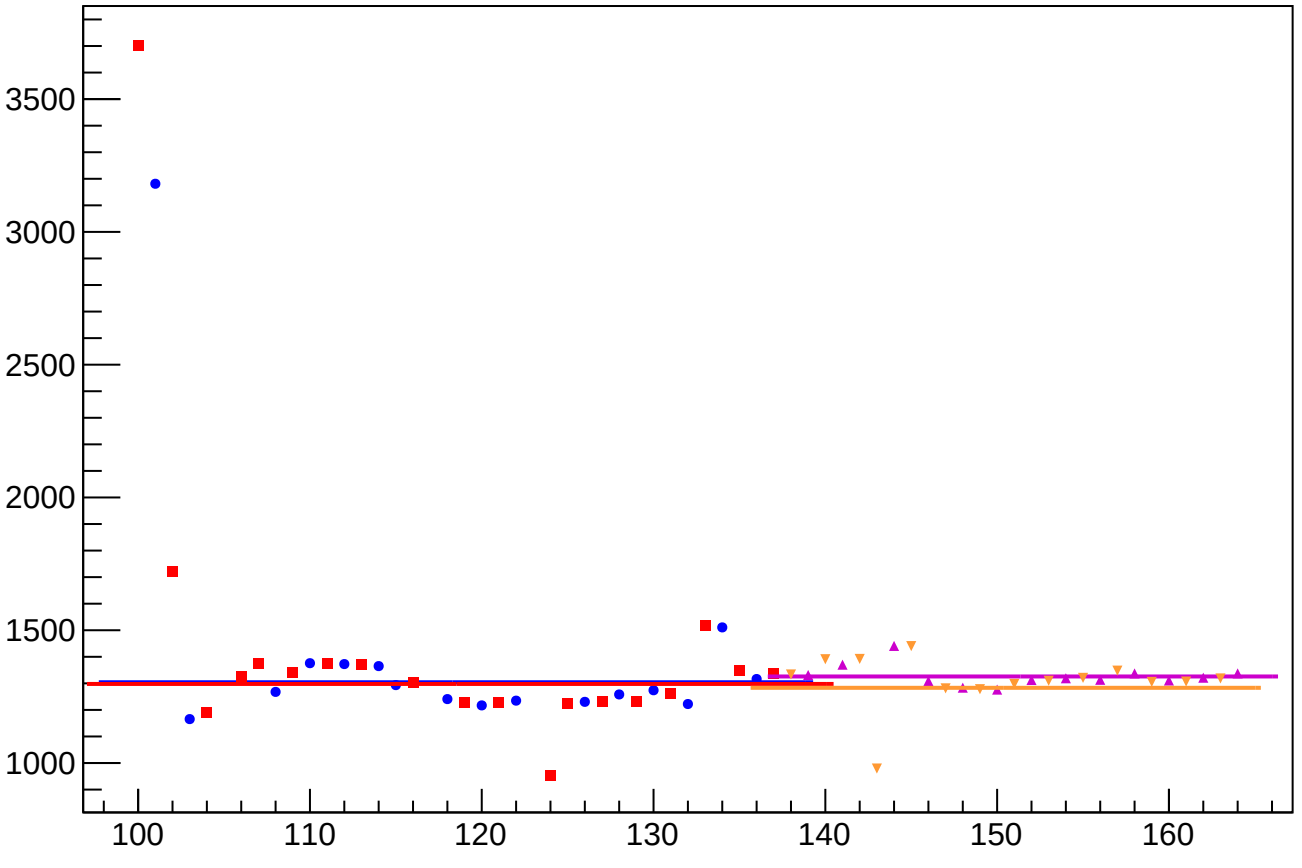
Left: 107.616+/-277.546 χ^2/NDF: 49.1/26

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -752.321+/-311.158 χ^2/NDF:24.6/28

Out: 565.794+/-301.656 χ^2/NDF:45.8/32

All: -72.830+/-216.584 χ^2/NDF: 79.6/61



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1283.231+/-0.272 χ^2/NDF:202612.9/13

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.934+/-0.283 χ^2/NDF:19016.0/12

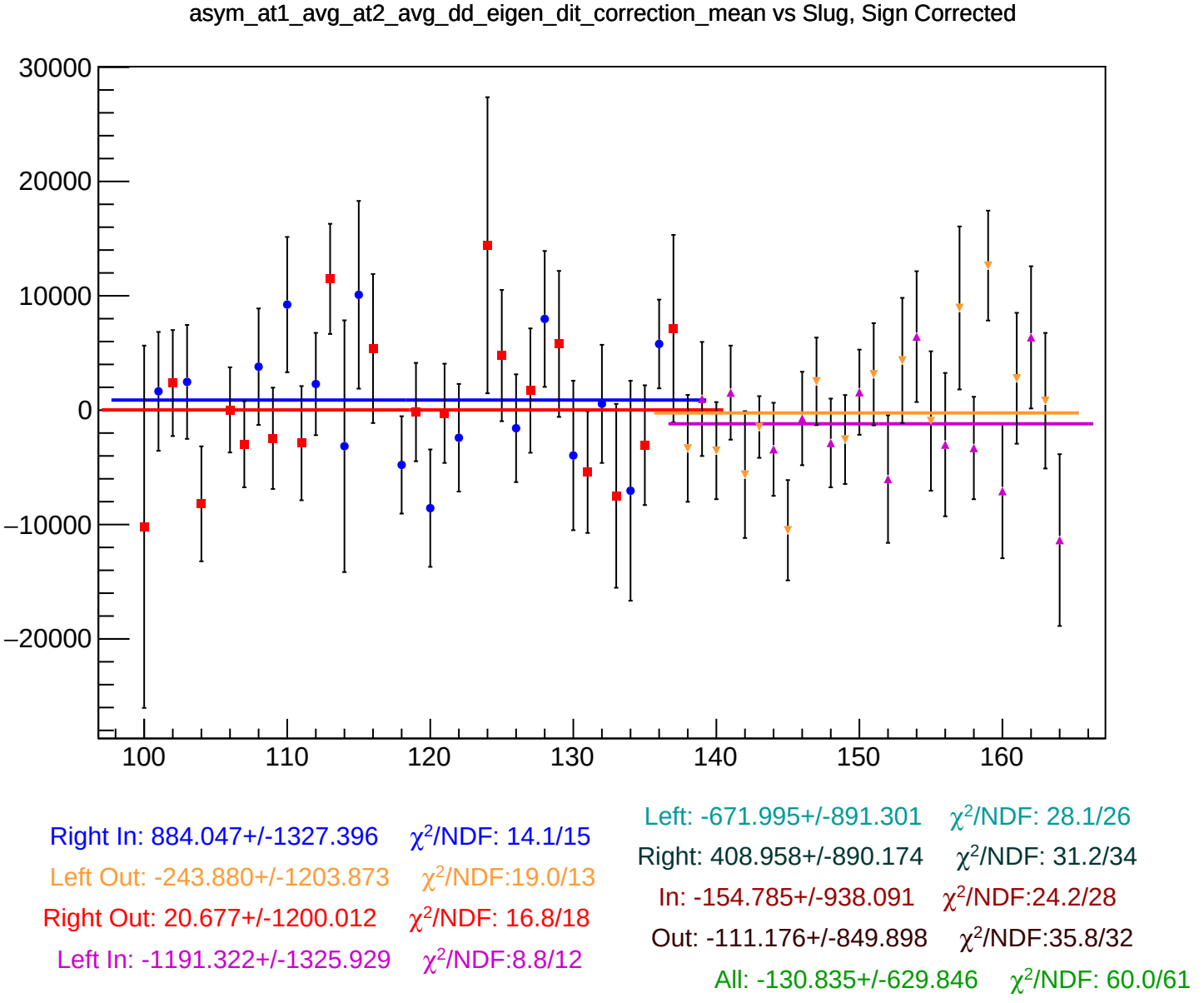
Left: 1303.737+/-0.196 χ^2/NDF: 233446.8/26

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

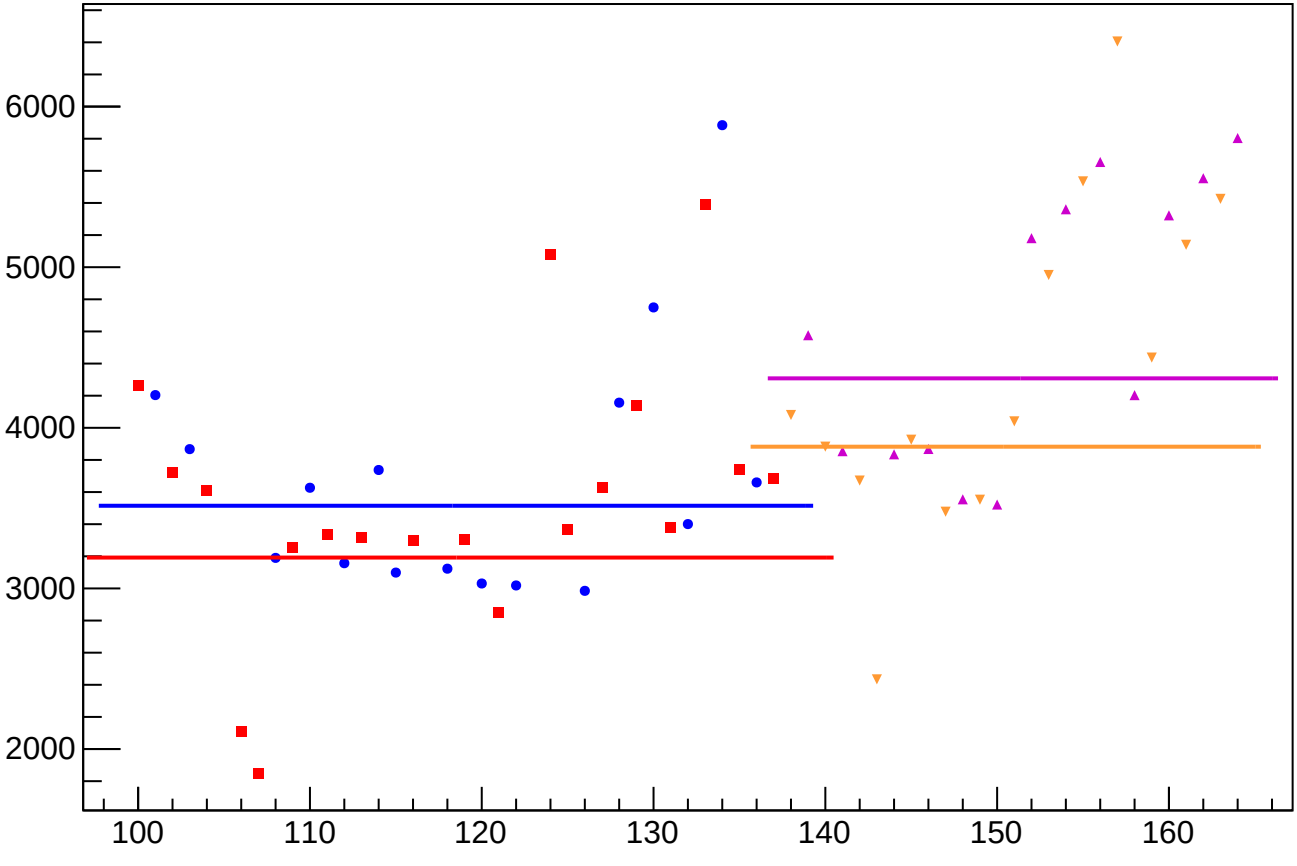
In: 1317.279+/-0.220 χ^2/NDF:531961.4/28

Out: 1288.858+/-0.213 χ^2/NDF:416815.9/32

All: 1302.624+/-0.153 χ^2/NDF: 957381.4/61


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -243.880+/-1203.873 χ²/NDF:19.0/13
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -1191.322+/-1325.929 χ²/NDF:8.8/12
Left: -671.995+/-891.301 χ²/NDF: 28.1/26
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: -154.785+/-938.091 χ²/NDF:24.2/28
Out: -111.176+/-849.898 χ²/NDF:35.8/32
All: -130.835+/-629.846 χ²/NDF: 60.0/61

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: 3882.452+/-0.851 χ^2/NDF:1355222.4/13

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4307.922+/-0.938 χ^2/NDF:674432.7/12

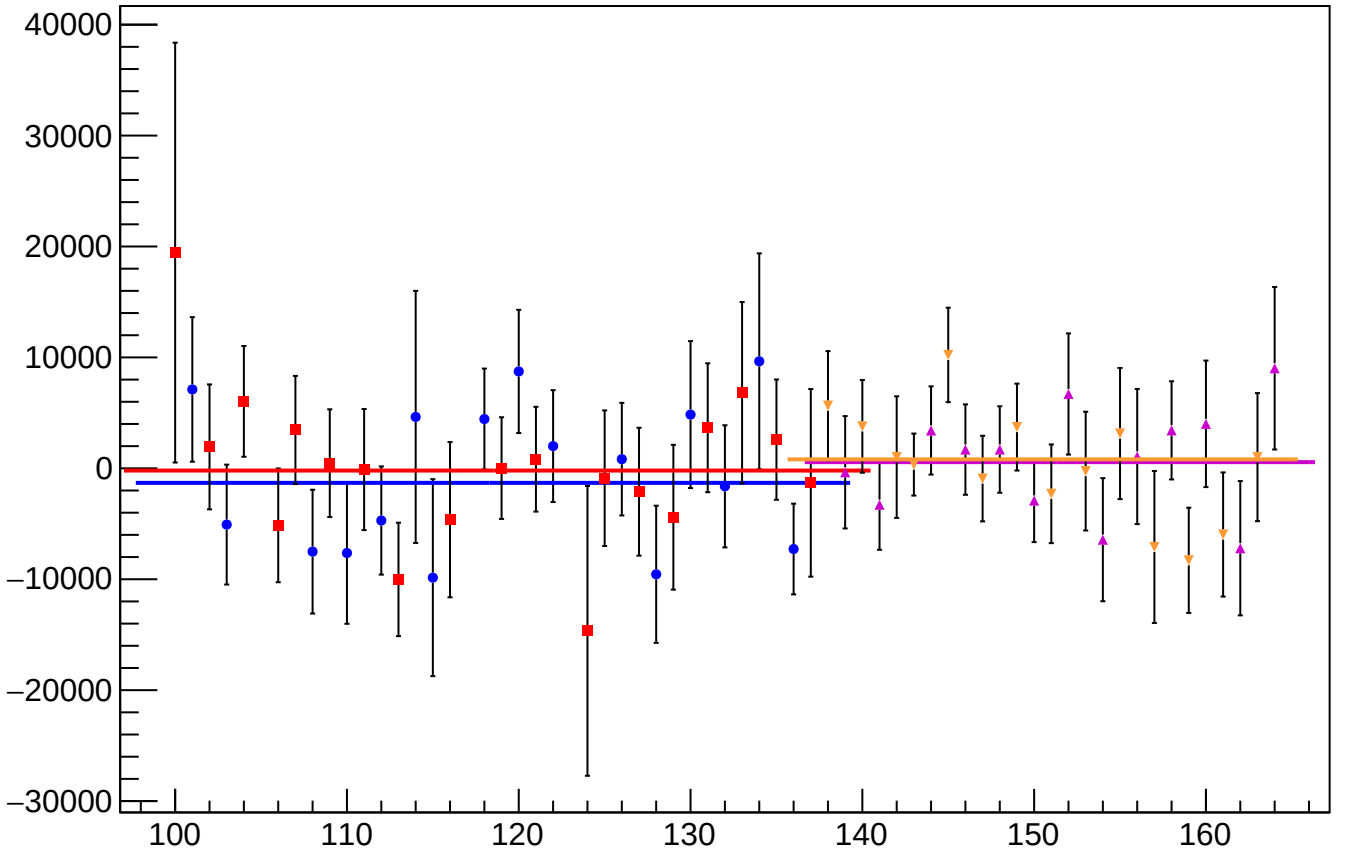
Left: 4074.707+/-0.630 χ^2/NDF: 2142534.7/26

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3911.768+/-0.663 χ^2/NDF:1406976.5/28

Out: 3536.215+/-0.601 χ^2/NDF:2457521.6/32

All: 3705.512+/-0.445 χ^2/NDF: 4040540.1/61



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 808.302+/-1204.711 χ^2/NDF:14.3/13

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 558.248+/-1312.498 χ^2/NDF:9.1/12

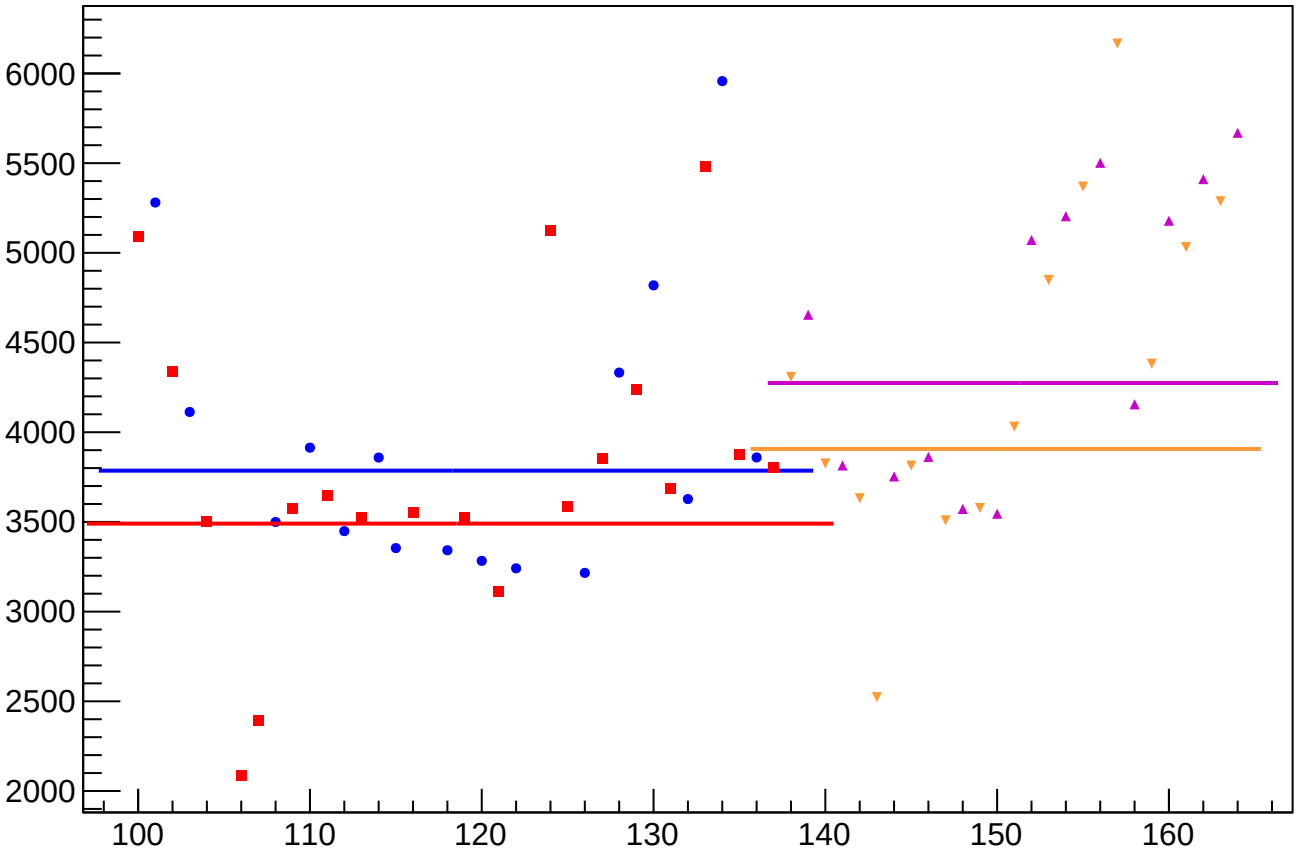
Left: 693.963+/-887.523 χ^2/NDF: 23.4/26

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -294.628+/-967.454 χ^2/NDF:27.6/28

Out: 355.424+/-894.703 χ^2/NDF:26.3/32

All: 55.756+/-656.866 χ^2/NDF: 54.1/61



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3906.792+/-0.852 χ^2/NDF:1164376.9/13

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4274.382+/-0.928 χ^2/NDF:606853.6/12

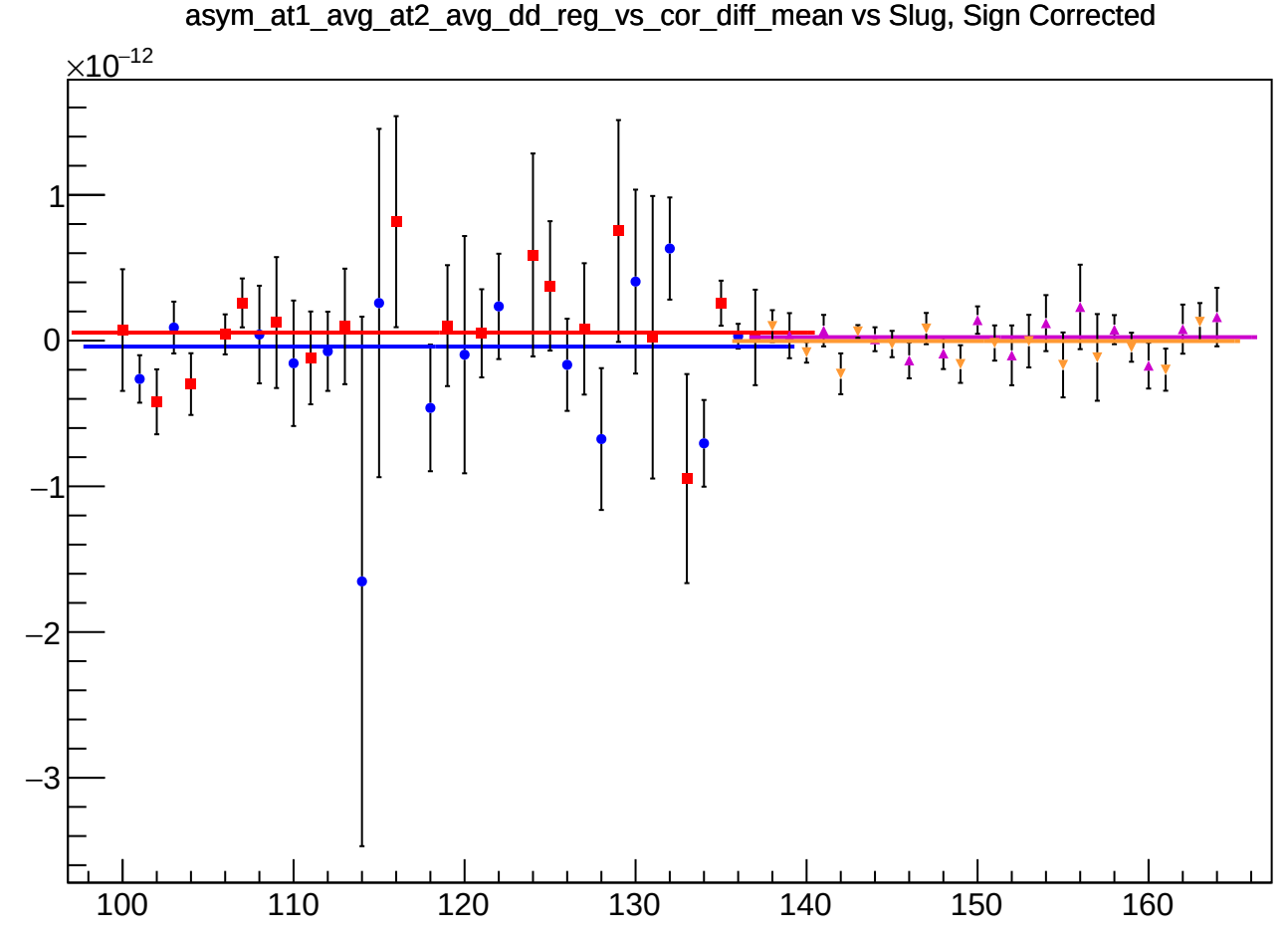
Left: 4074.876+/-0.628 χ^2/NDF: 1856374.4/26

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4051.247+/-0.684 χ^2/NDF:1116425.5/28

Out: 3717.331+/-0.629 χ^2/NDF:1859750.9/32

All: 3870.236+/-0.463 χ^2/NDF: 3105332.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/12

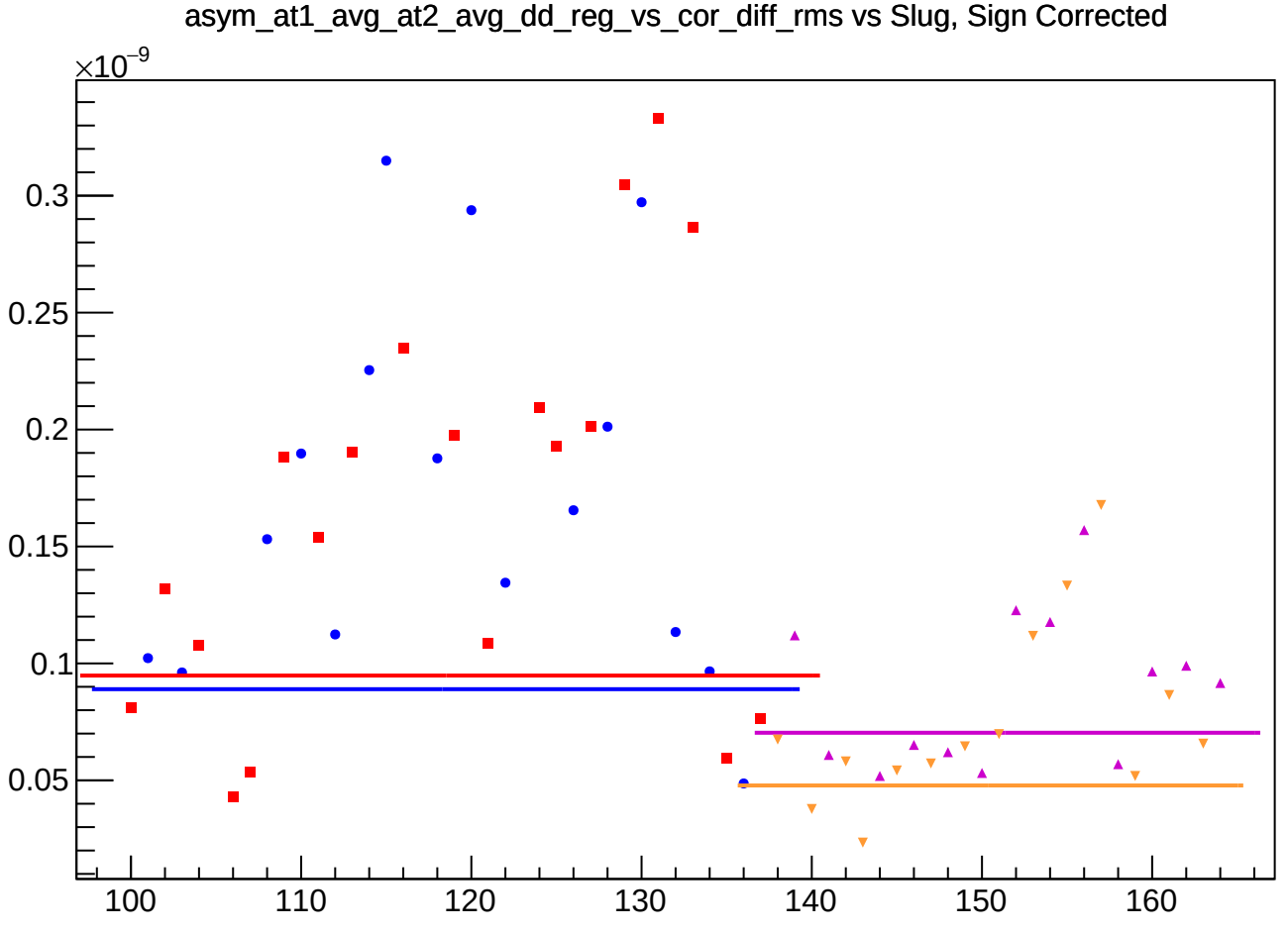
Left: 0.000+/-0.000 χ^2/NDF: 21.2/26

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:25.6/28

Out: 0.000+/-0.000 χ^2/NDF:29.4/32

All: 0.000+/-0.000 χ^2/NDF: 55.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1913939.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:946141.6/12

Left: 0.000+/-0.000 χ^2/NDF: 3387197.0/26

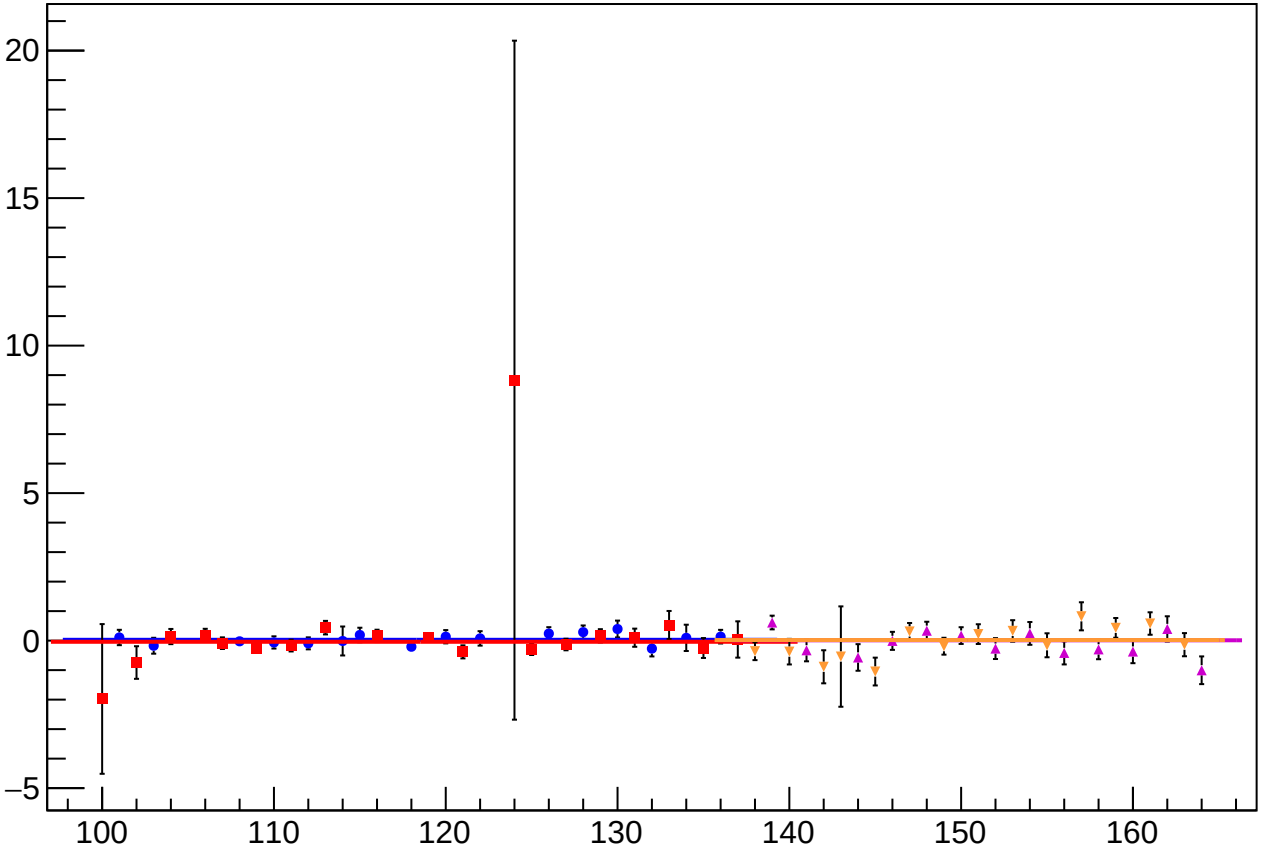
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2553869.1/28

Out: 0.000+/-0.000 χ^2/NDF:4573405.5/32

All: 0.000+/-0.000 χ^2/NDF: 7697963.7/61

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.015+/-0.069 χ^2/NDF: 39.9/26

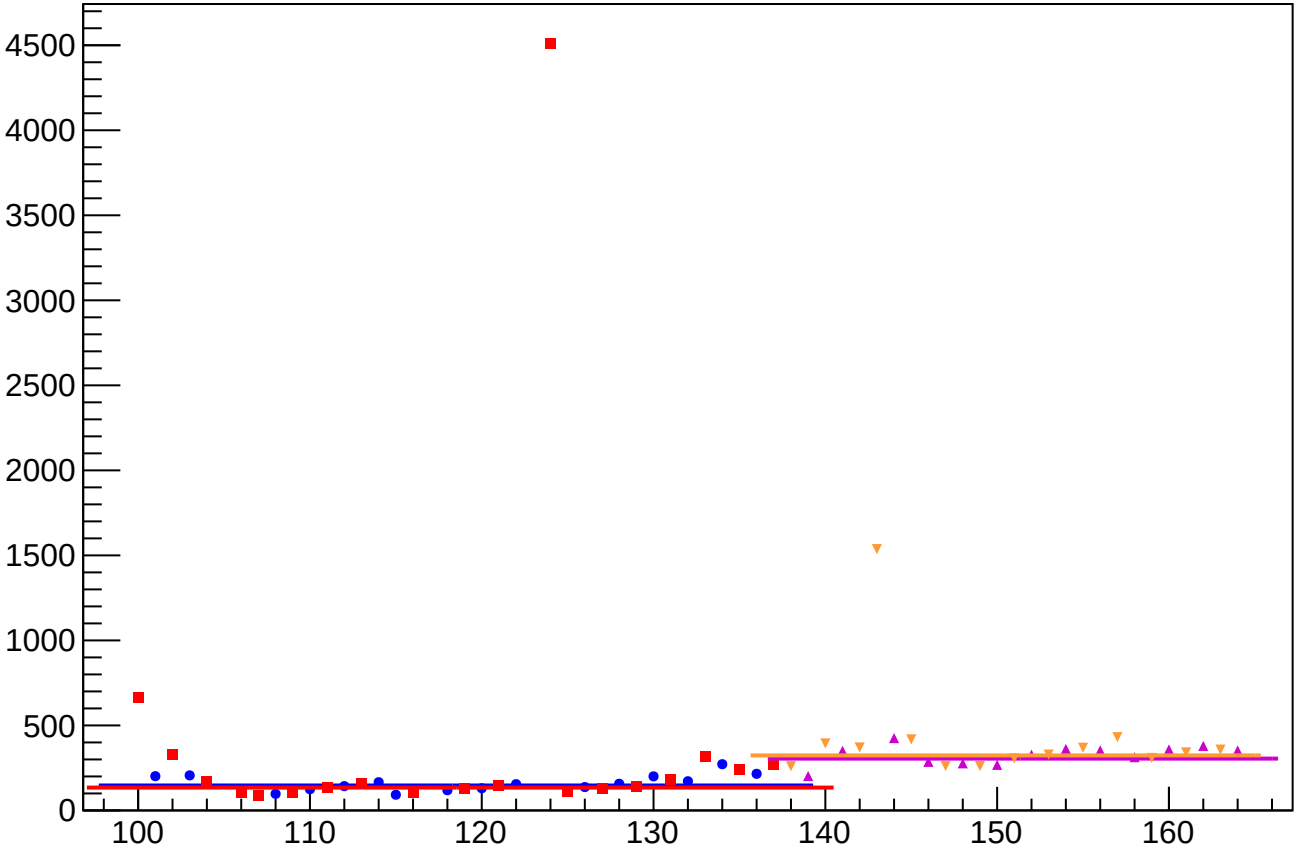
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: -0.002+/-0.034 χ^2/NDF: 70.1/61

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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

Left: 313.730+/-0.049 χ^2/NDF: 2454979.0/26

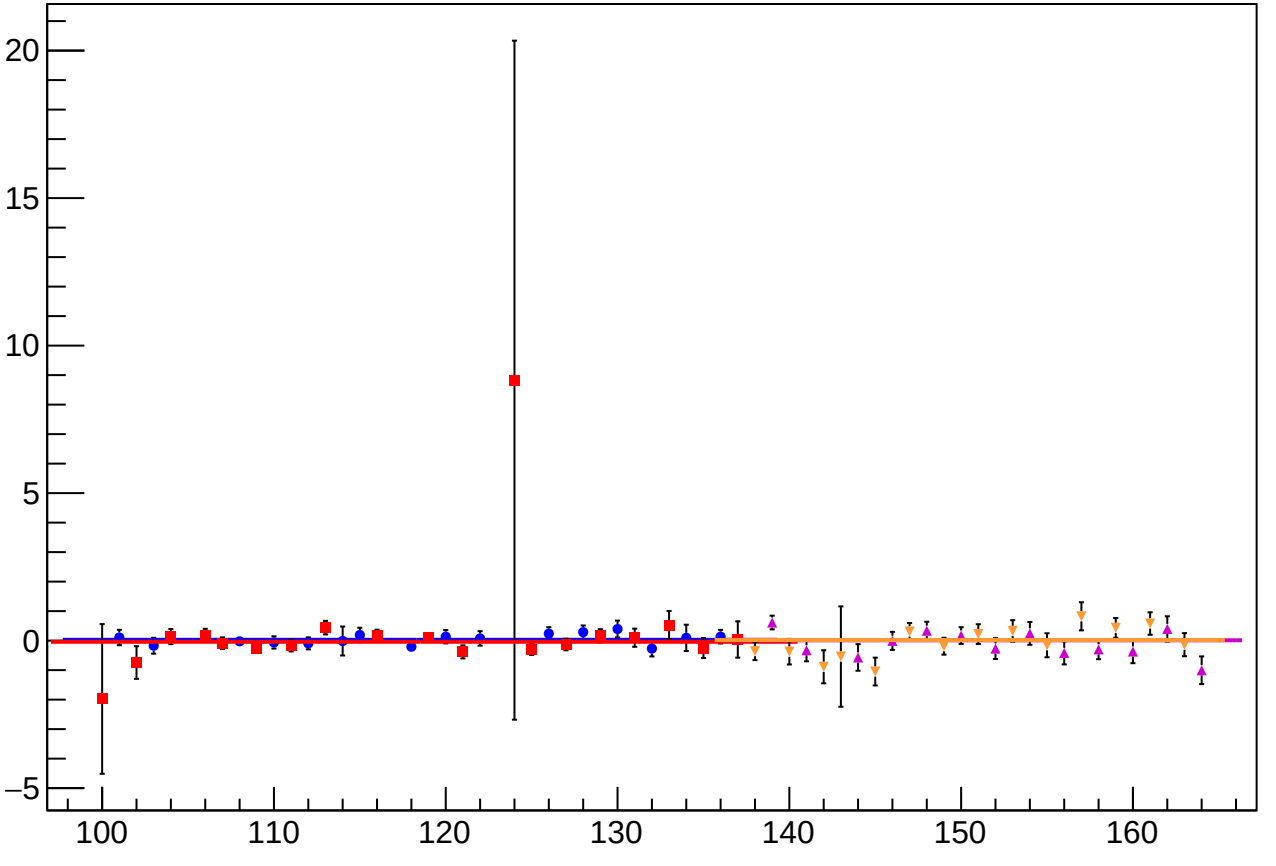
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 189.495+/-0.035 χ^2/NDF:5872838.2/28

Out: 177.461+/-0.034 χ^2/NDF:8619520.0/32

All: 183.337+/-0.024 χ^2/NDF: 14553328.6/61

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.015+/-0.069 χ^2/NDF: 39.9/26

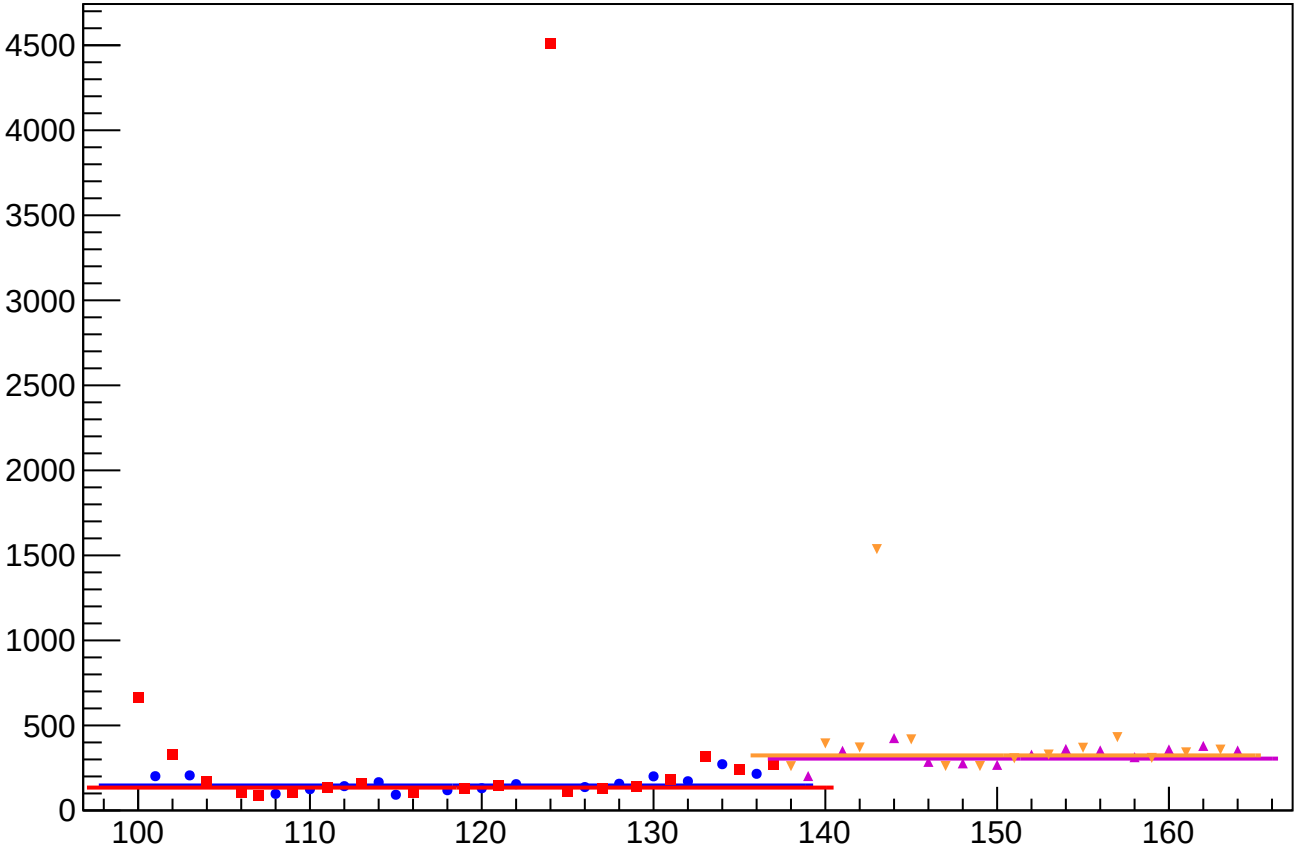
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: -0.002+/-0.034 χ^2/NDF: 70.1/61

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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

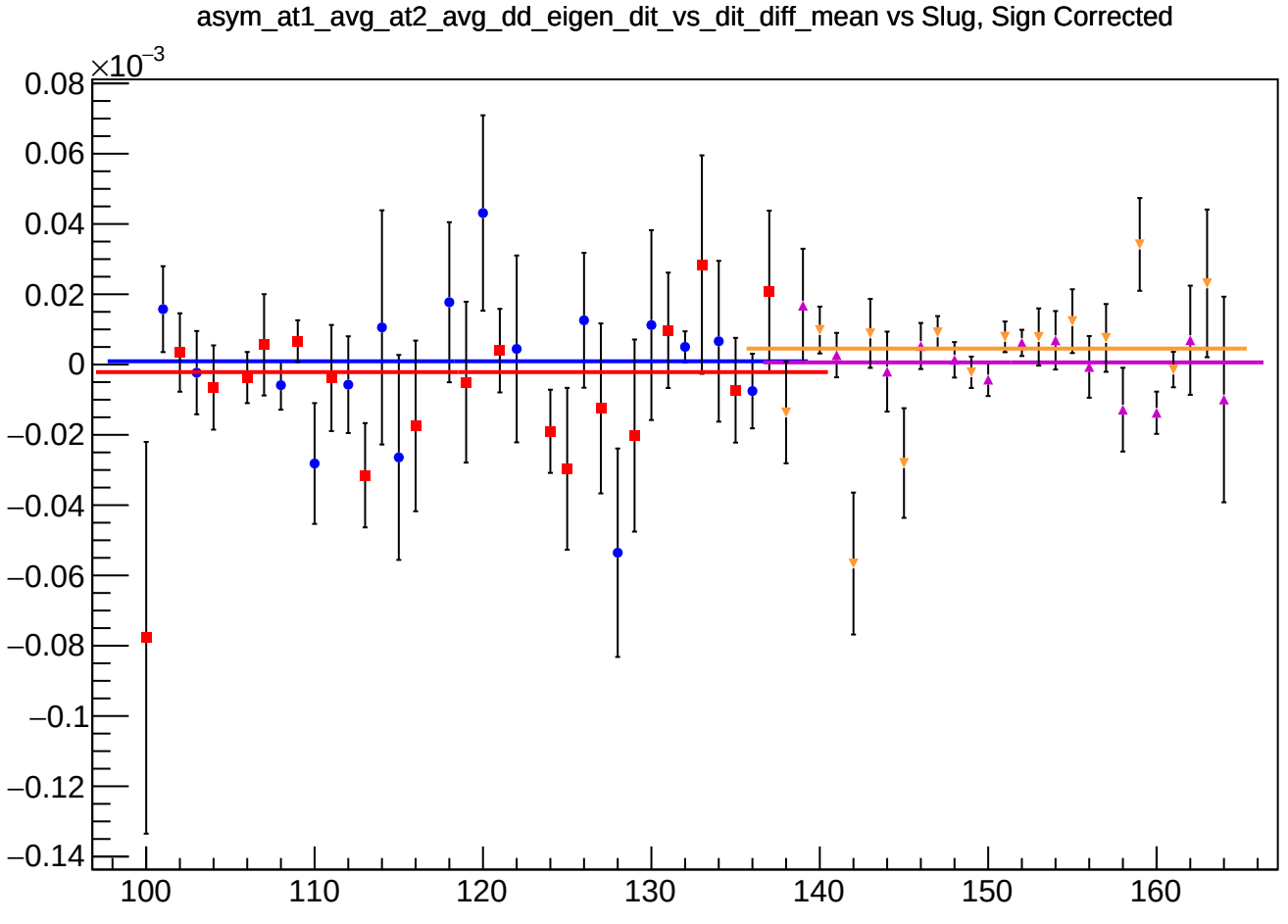
Left: 313.730+/-0.049 χ^2/NDF: 2454979.0/26

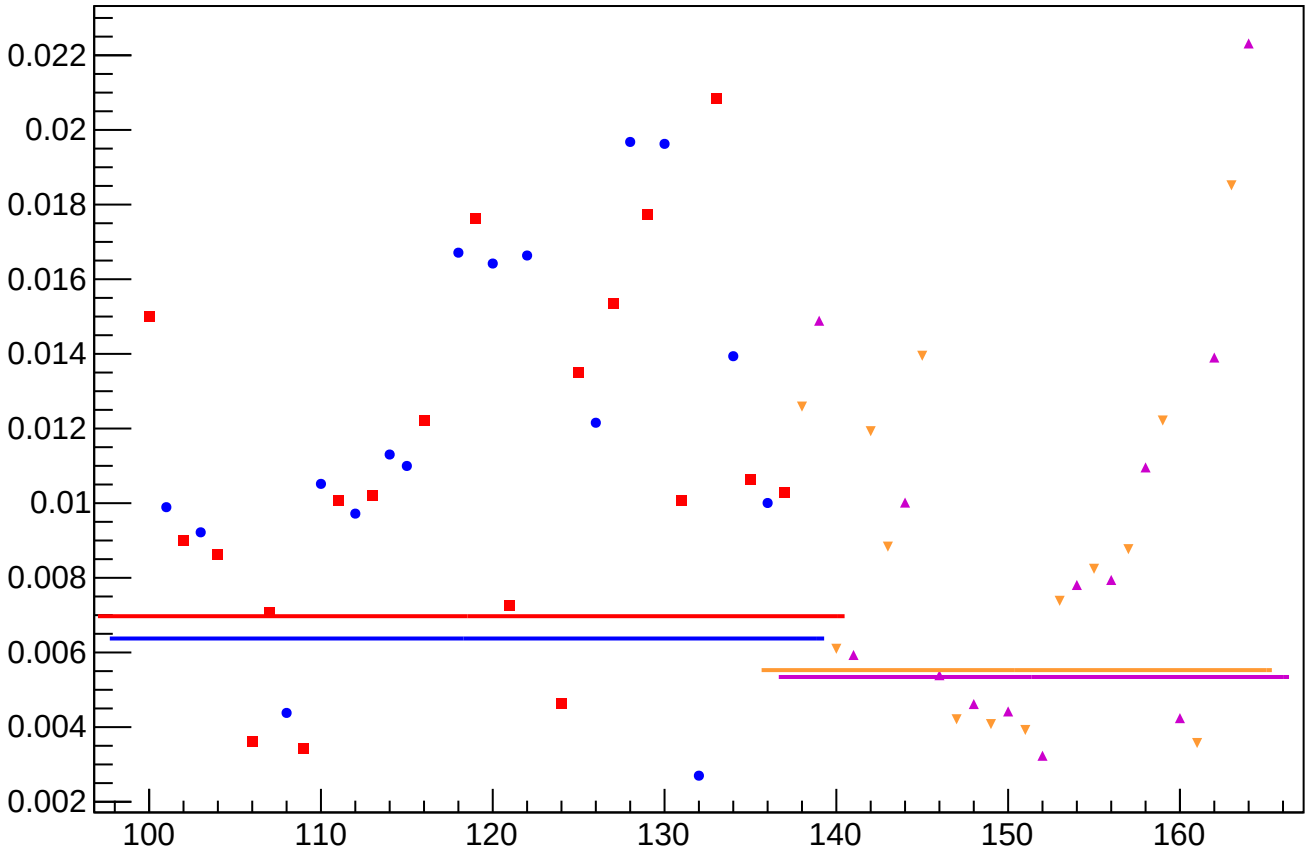
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 189.495+/-0.035 χ^2/NDF:5872838.2/28

Out: 177.461+/-0.034 χ^2/NDF:8619520.0/32

All: 183.337+/-0.024 χ^2/NDF: 14553328.6/61


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:28.0/13
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:12.8/12
Left: 0.000+/-0.000 χ²/NDF: 43.0/26
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:27.7/28
Out: 0.000+/-0.000 χ²/NDF:47.6/32
All: 0.000+/-0.000 χ²/NDF: 76.1/61



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4231862.3/13

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3950745.4/12

Left: 0.005+/-0.000 χ^2/NDF: 8192153.0/26

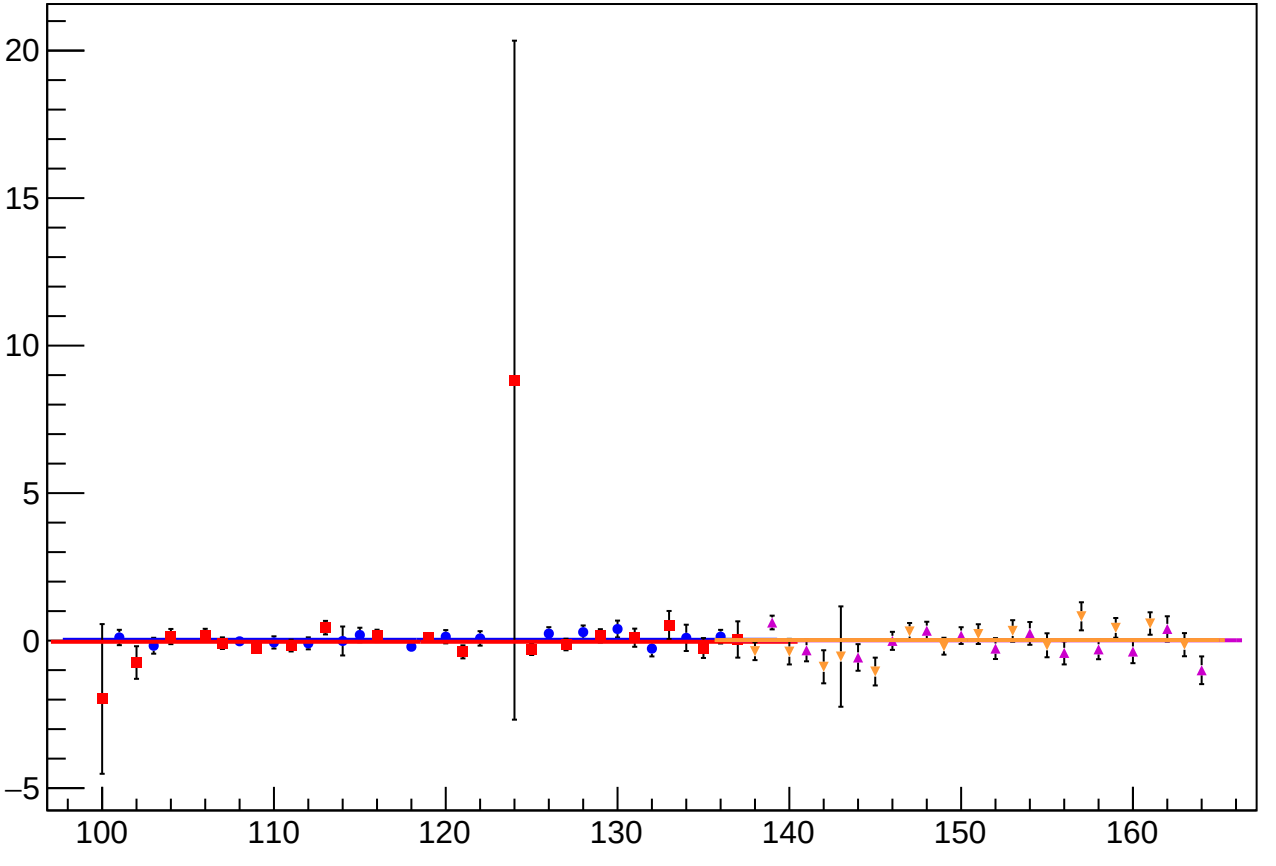
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:8766438.7/28

Out: 0.006+/-0.000 χ^2/NDF:7971164.2/32

All: 0.006+/-0.000 χ^2/NDF: 16771419.2/61

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.015+/-0.069 χ^2/NDF: 39.9/26

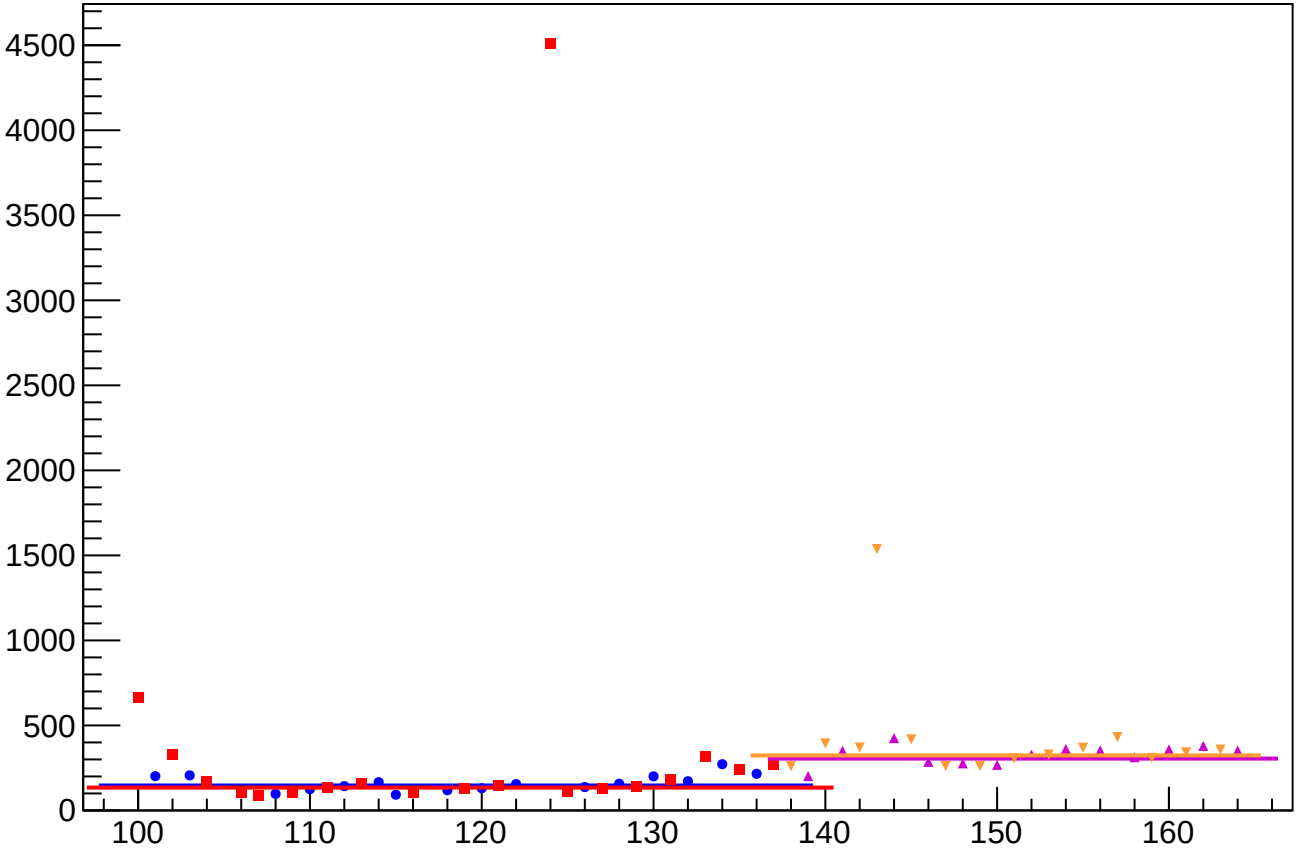
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: -0.002+/-0.034 χ^2/NDF: 70.1/61

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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

Left: 313.734+/-0.049 χ^2/NDF: 2454977.8/26

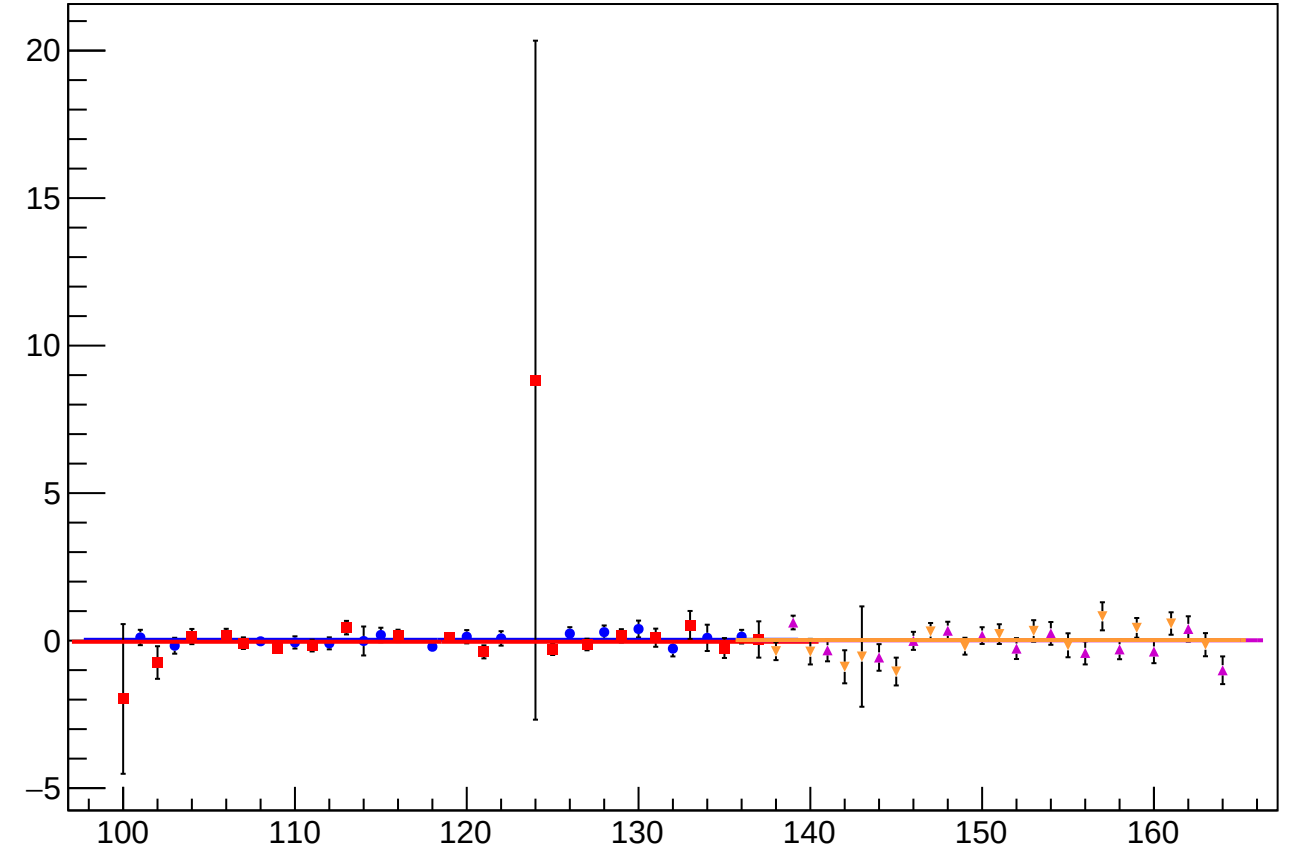
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 189.495+/-0.035 χ^2/NDF:5872926.3/28

Out: 177.463+/-0.034 χ^2/NDF:8619502.0/32

All: 183.338+/-0.024 χ^2/NDF: 14553384.3/61

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.015+/-0.069 χ^2/NDF: 39.9/26

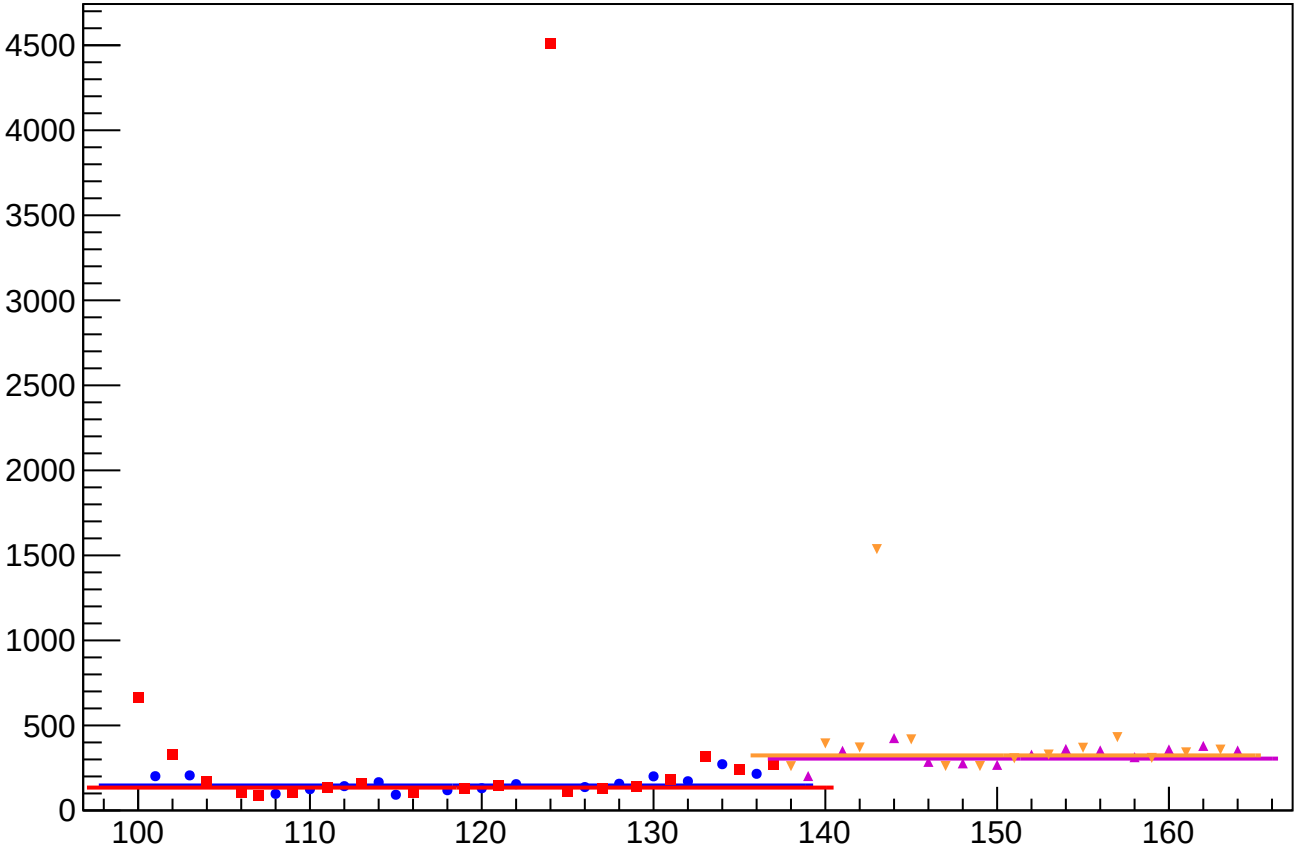
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: -0.002+/-0.034 χ^2/NDF: 70.1/61

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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

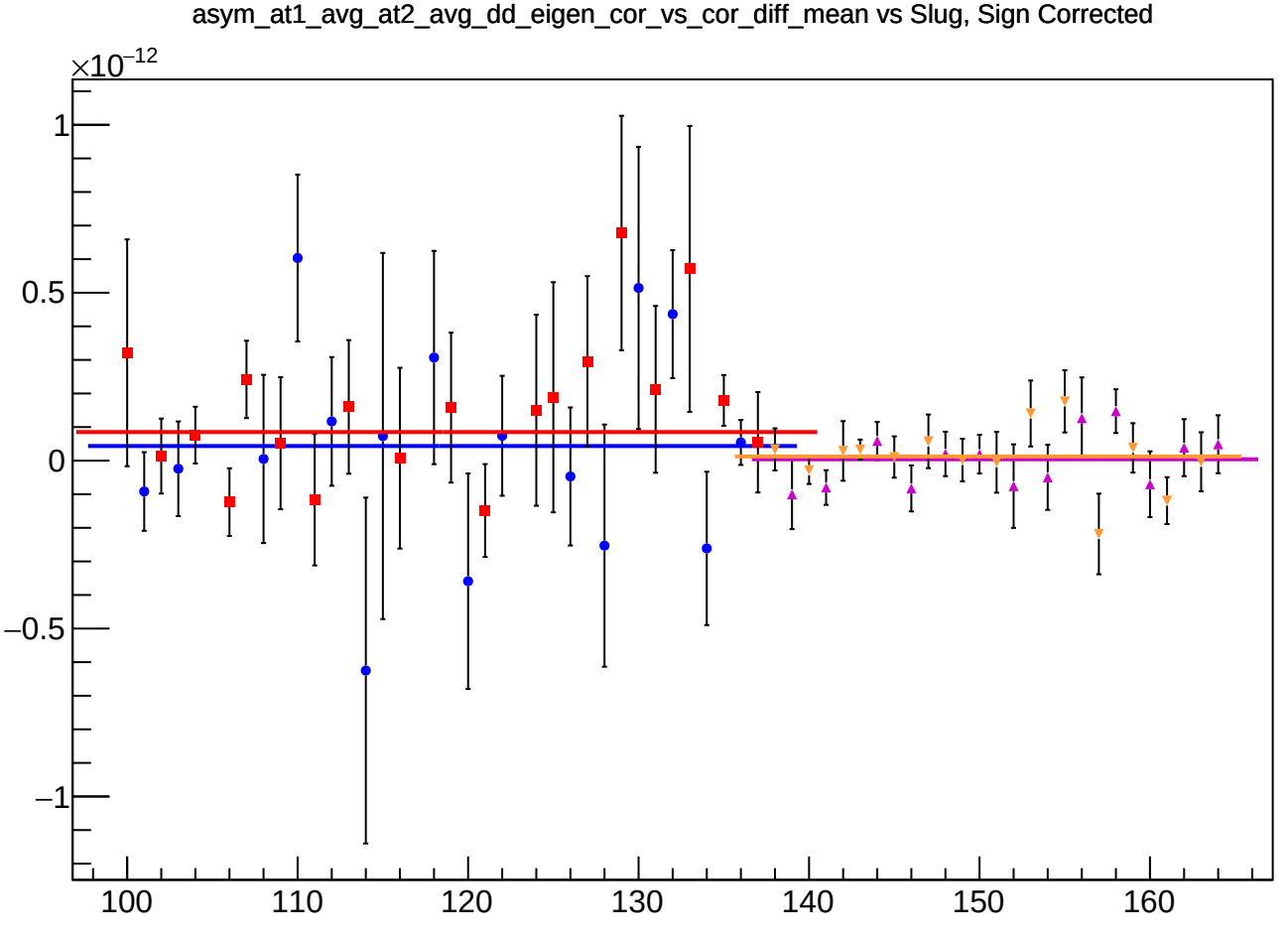
Left: 313.734+/-0.049 χ^2/NDF: 2454977.8/26

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 189.495+/-0.035 χ^2/NDF:5872926.3/28

Out: 177.463+/-0.034 χ^2/NDF:8619502.0/32

All: 183.338+/-0.024 χ^2/NDF: 14553384.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/12

Left: 0.000+/-0.000 χ^2/NDF: 28.3/26

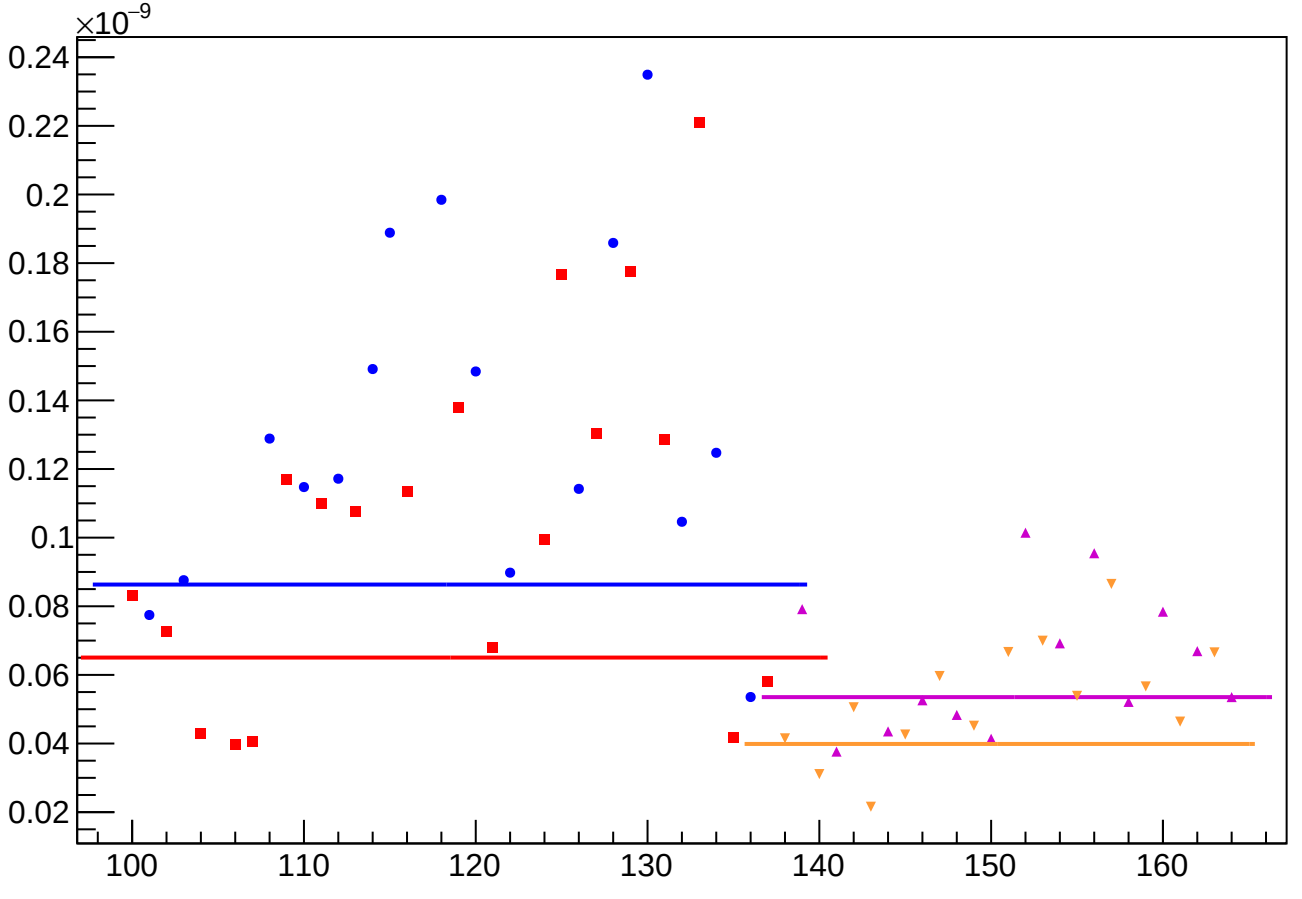
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.6/28

Out: 0.000+/-0.000 χ^2/NDF:36.1/32

All: 0.000+/-0.000 χ^2/NDF: 70.1/61

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2040794.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/12

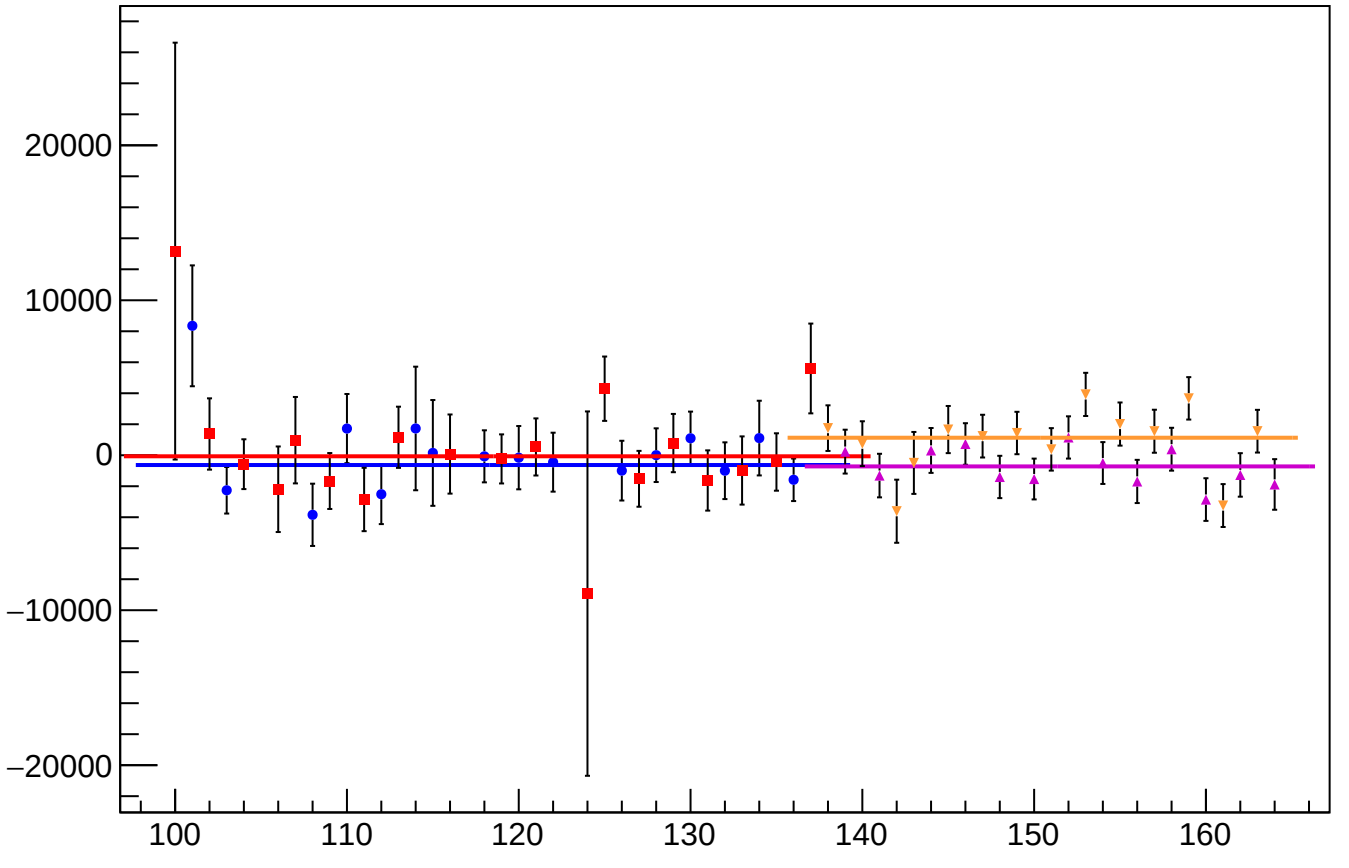
Left: 0.000+/-0.000 χ^2/NDF: 3823520.8/26

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3766306.7/28

Out: 0.000+/-0.000 χ^2/NDF:5079412.5/32

All: 0.000+/-0.000 χ^2/NDF: 9657677.9/61



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.306+/-389.562 χ^2/NDF:24.9/13

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -720.669+/-386.715 χ^2/NDF:9.0/12

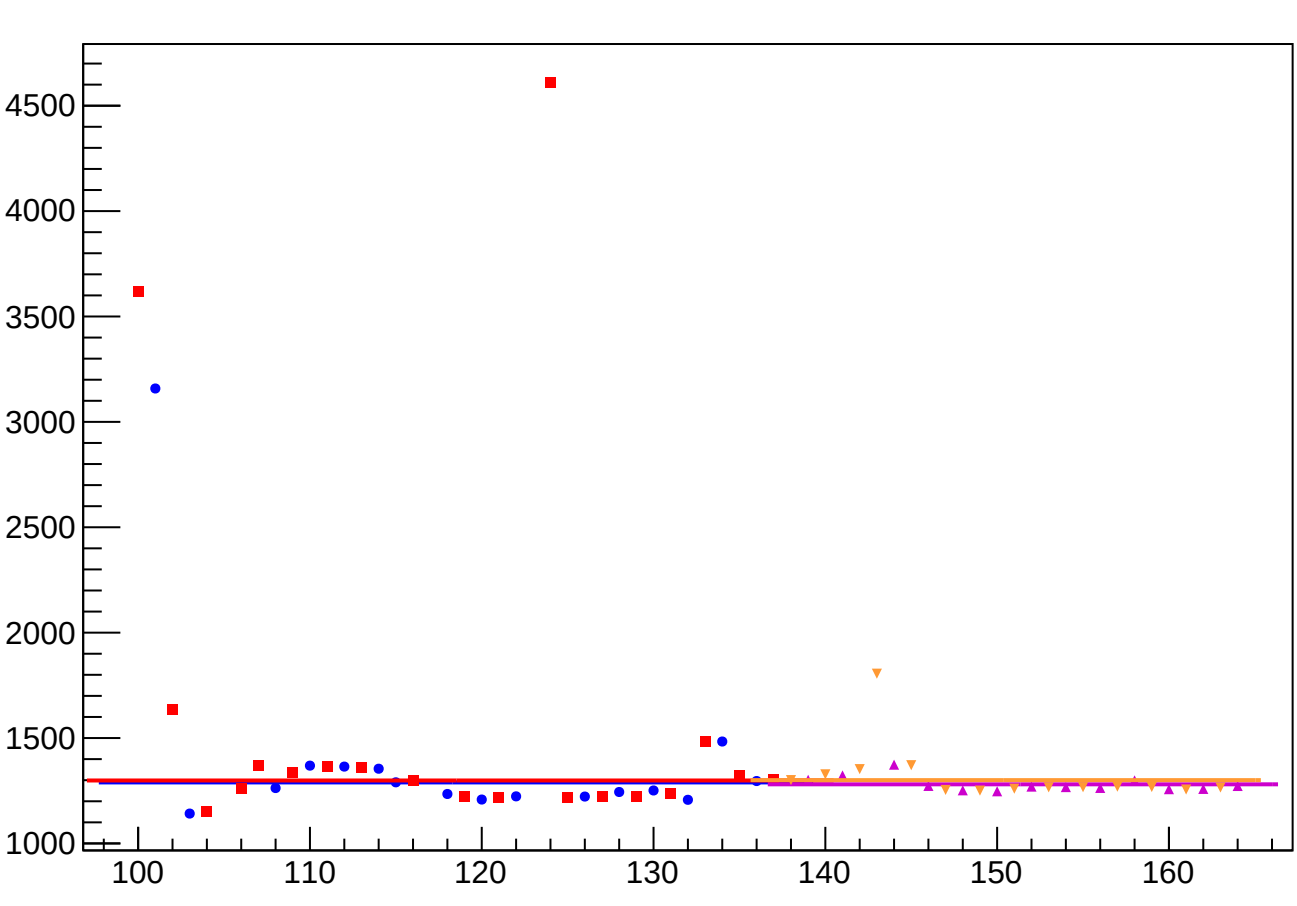
Left: 198.030+/-274.450 χ^2/NDF: 45.3/26

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -686.154+/-303.246 χ^2/NDF:23.0/28

Out: 663.758+/-304.394 χ^2/NDF:44.4/32

All: -13.748+/-214.832 χ^2/NDF: 77.3/61



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

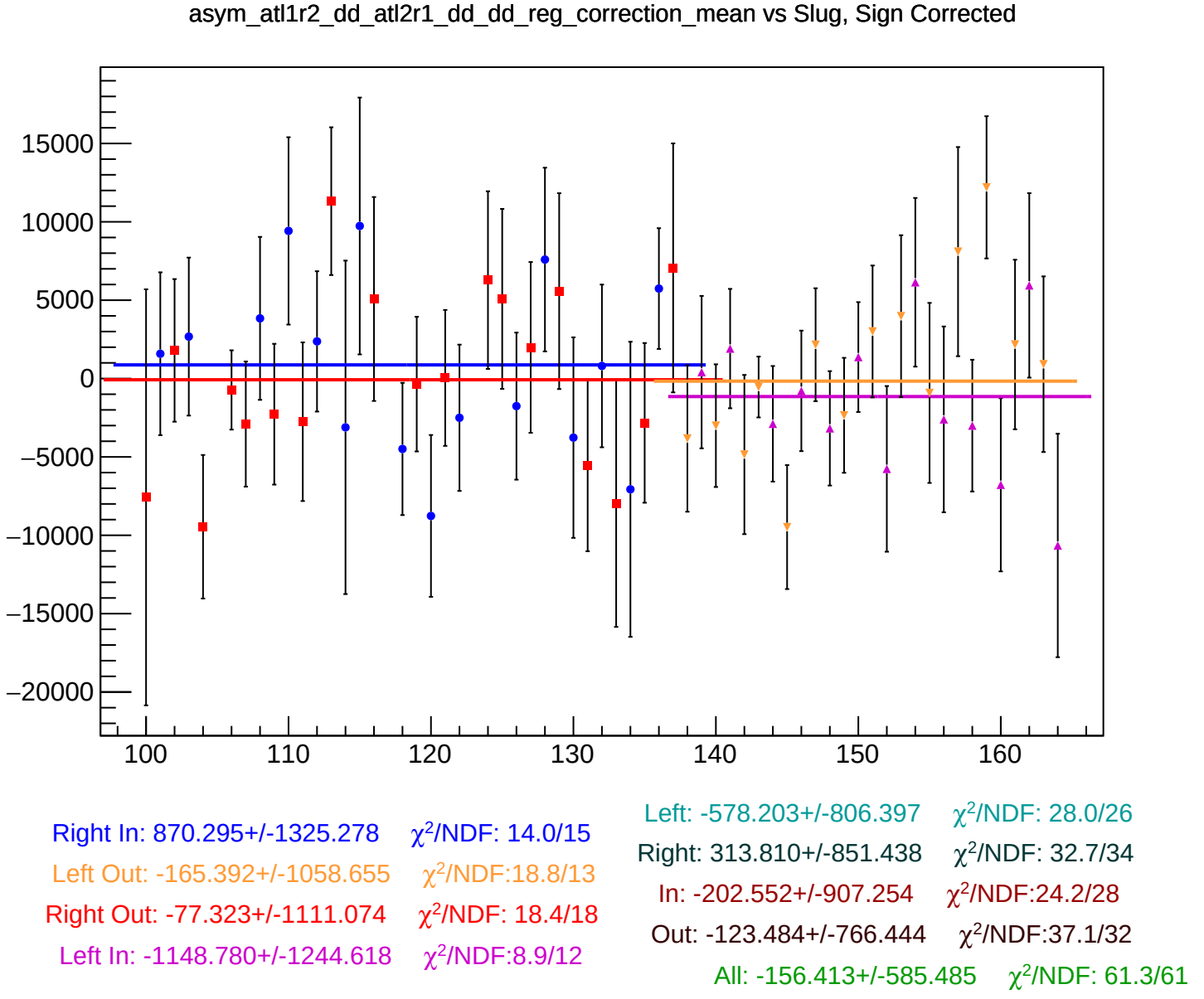
Left: 1290.315+/-0.194 χ^2/NDF: 166074.6/26

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1283.931+/-0.214 χ^2/NDF:529906.3/28

Out: 1299.664+/-0.215 χ^2/NDF:468035.3/32

All: 1291.776+/-0.152 χ^2/NDF: 1000625.9/61


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
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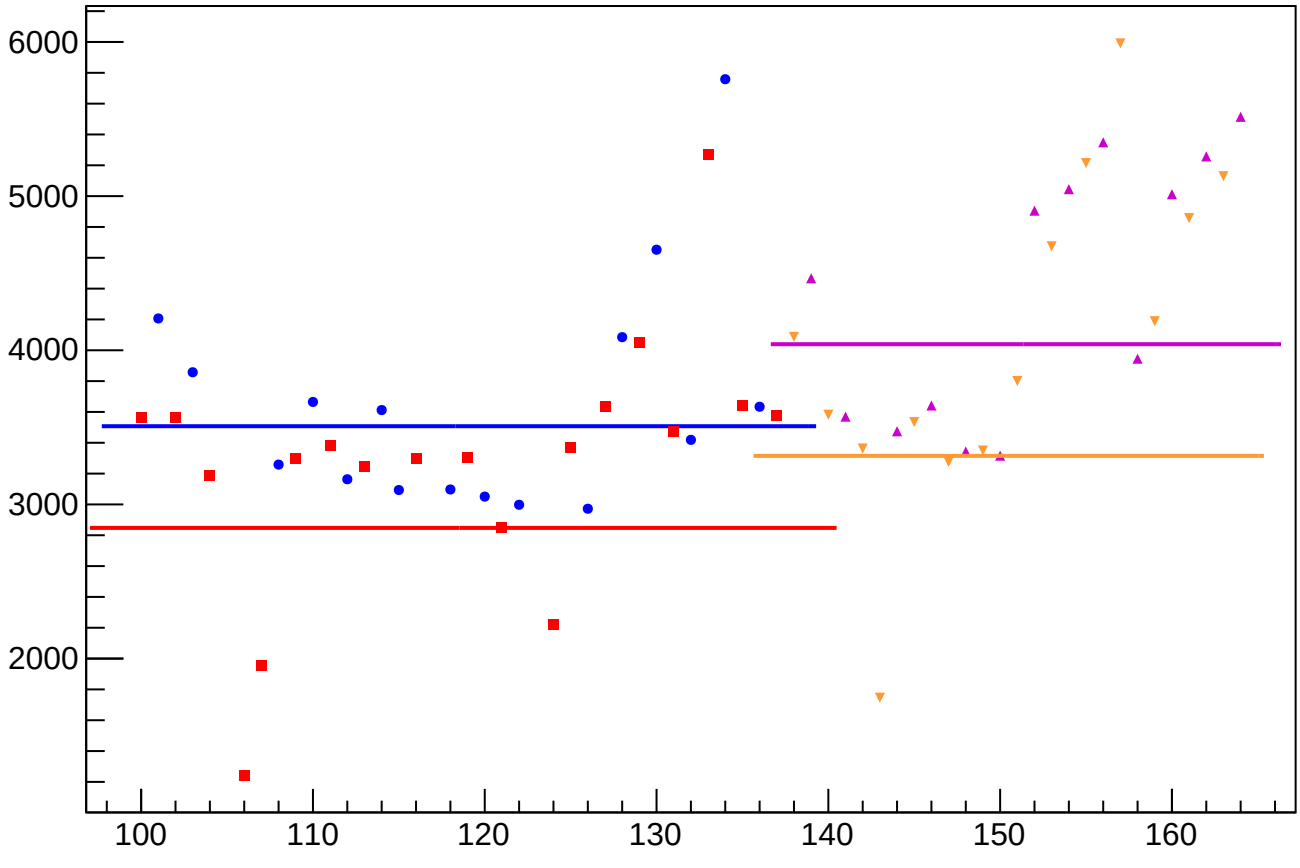
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -165.392+/-1058.655 χ²/NDF:18.8/13
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1148.780+/-1244.618 χ²/NDF:8.9/12
Left: -578.203+/-806.397 χ²/NDF: 28.0/26
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -202.552+/-907.254 χ²/NDF:24.2/28
Out: -123.484+/-766.444 χ²/NDF:37.1/32
All: -156.413+/-585.485 χ²/NDF: 61.3/61



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3315.074+/-0.749 χ^2/NDF:2531086.6/13

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4039.434+/-0.880 χ^2/NDF:727696.0/12

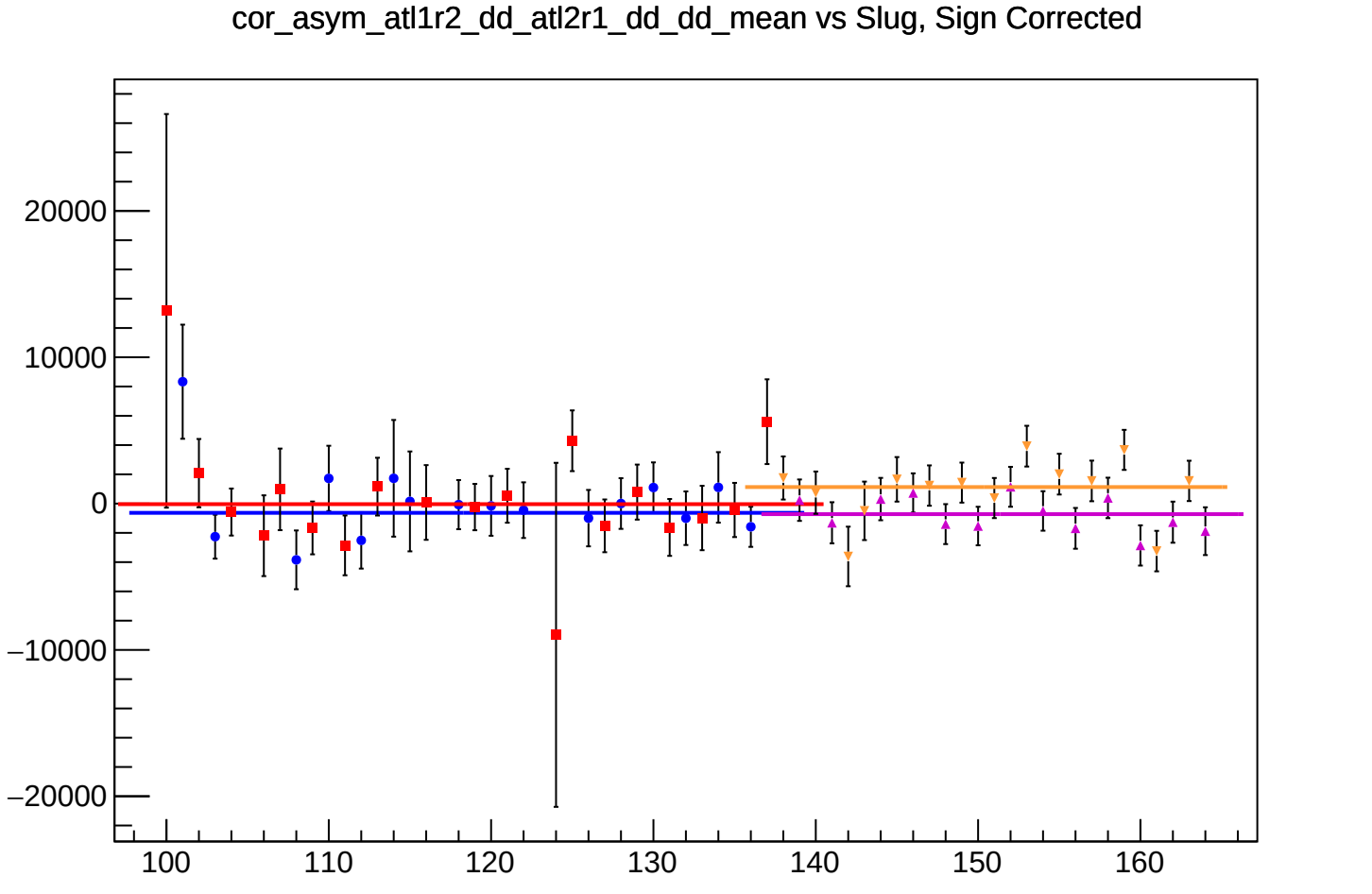
Left: 3619.149+/-0.570 χ^2/NDF: 3651840.6/26

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3790.098+/-0.642 χ^2/NDF:1252946.6/28

Out: 3092.735+/-0.542 χ^2/NDF:4215846.5/32

All: 3383.159+/-0.414 χ^2/NDF: 6158335.0/61


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
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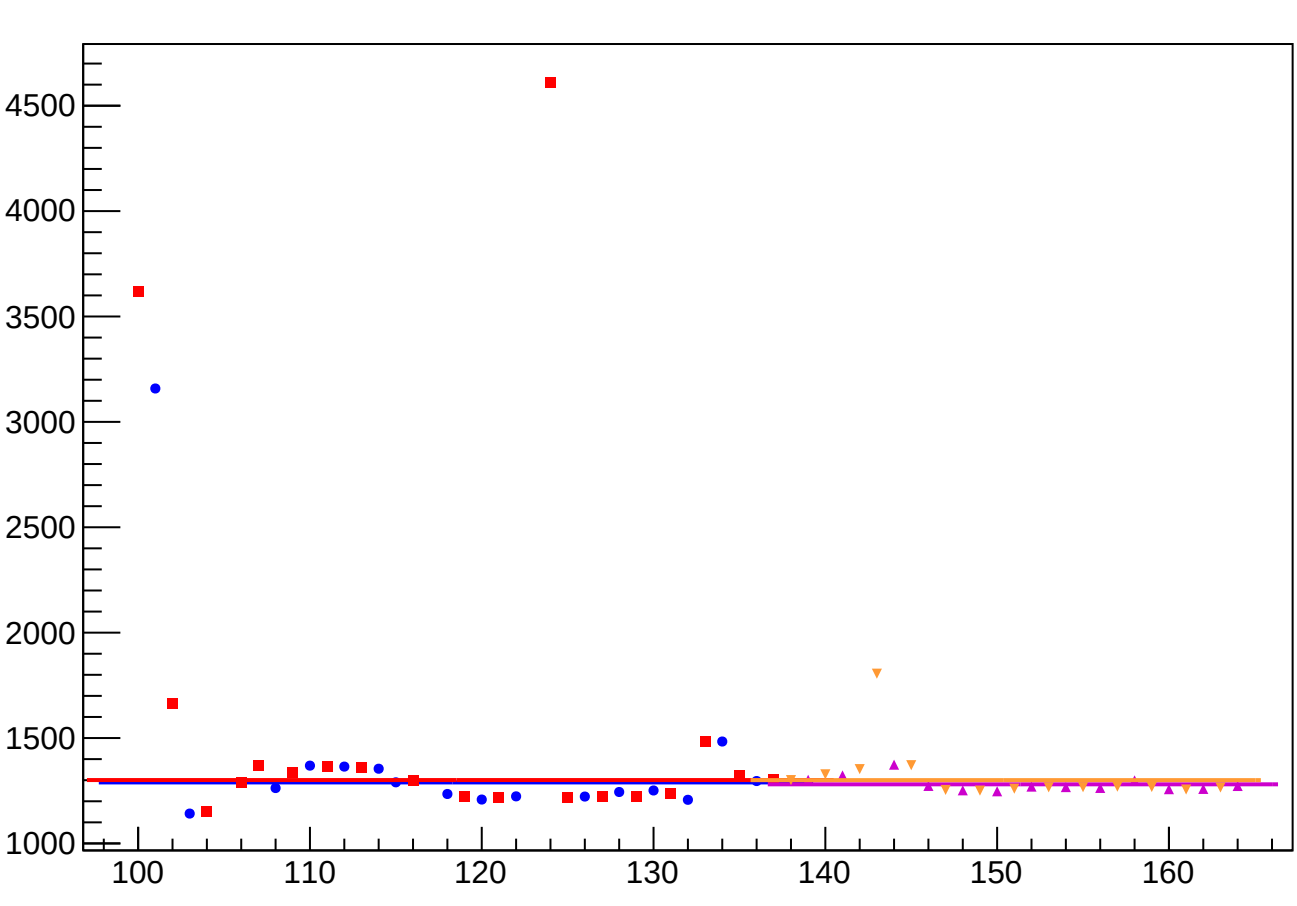
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 1130.336+/-389.562 χ²/NDF:24.9/13
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -720.663+/-386.715 χ²/NDF:9.0/12
Left: 198.048+/-274.450 χ²/NDF: 45.3/26
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -686.298+/-303.246 χ²/NDF:22.9/28
Out: 675.447+/-304.472 χ²/NDF:44.7/32
All: -8.174+/-214.859 χ²/NDF: 77.7/61



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

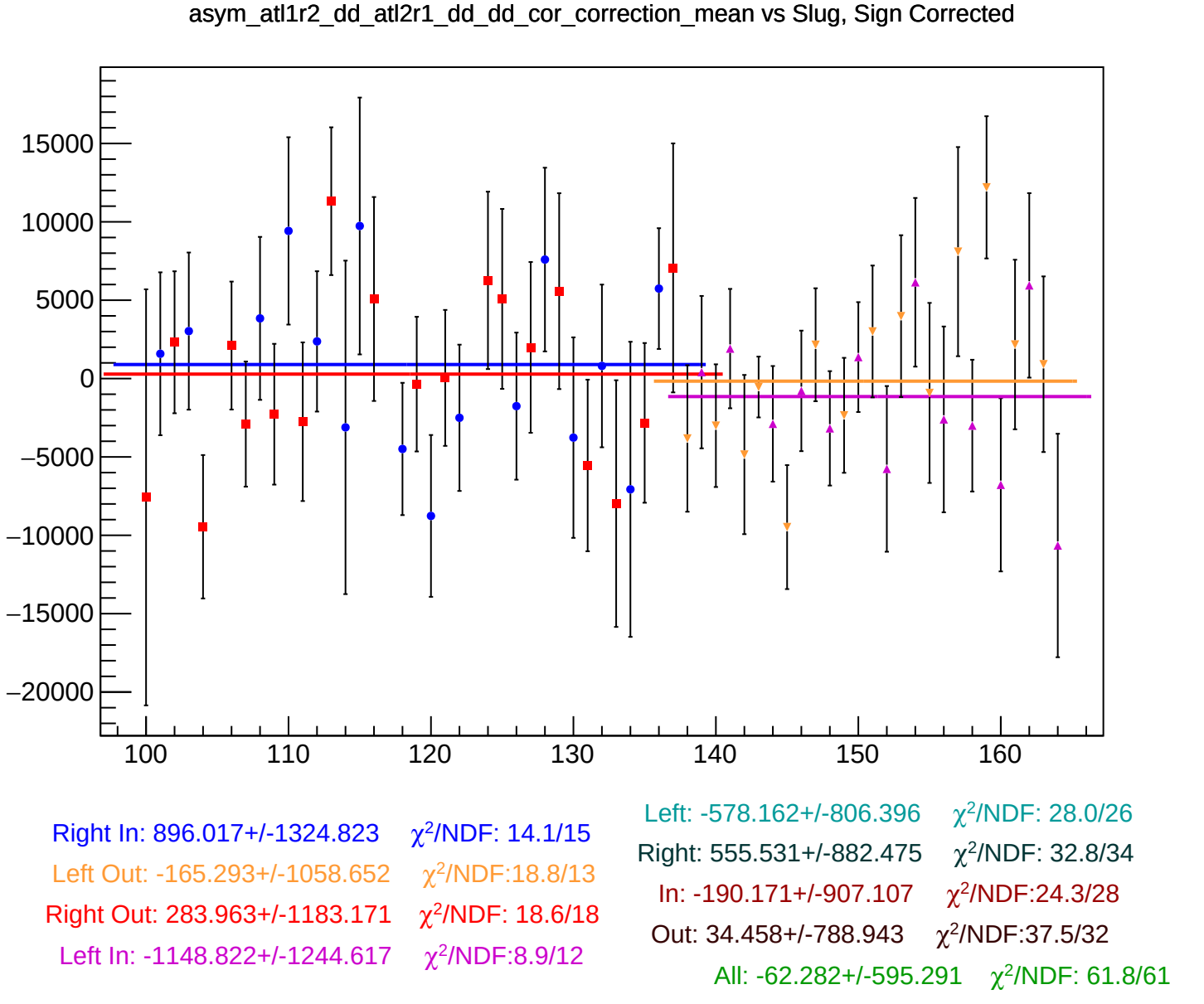
Left: 1290.315+/-0.194 χ^2/NDF: 166074.6/26

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.931+/-0.214 χ^2/NDF:529907.7/28

Out: 1300.456+/-0.215 χ^2/NDF:474554.7/32

All: 1292.166+/-0.152 χ^2/NDF: 1007422.3/61


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
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−5000
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−15000
−20000
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140
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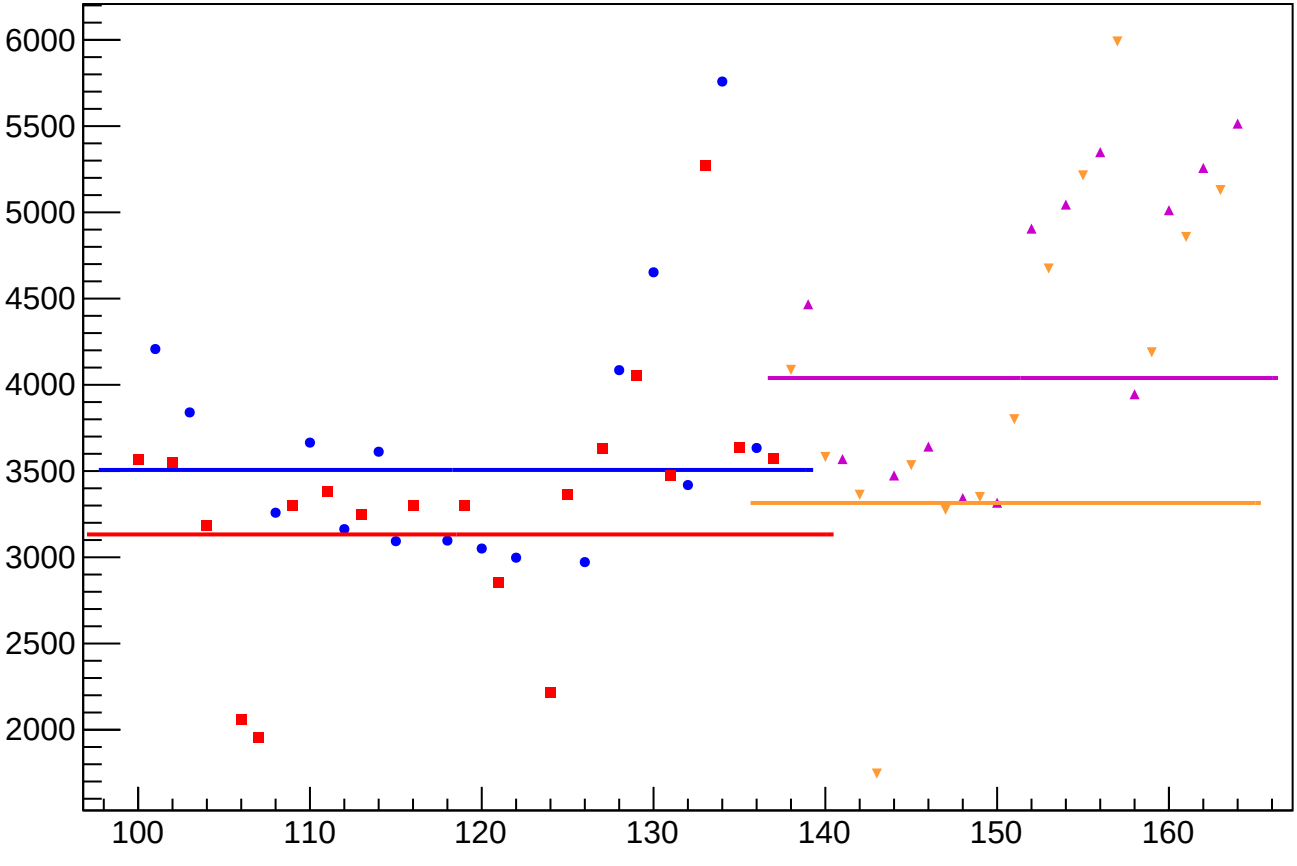
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -165.293+/-1058.652 χ²/NDF:18.8/13
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1148.822+/-1244.617 χ²/NDF:8.9/12
Left: -578.162+/-806.396 χ²/NDF: 28.0/26
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -190.171+/-907.107 χ²/NDF:24.3/28
Out: 34.458+/-788.943 χ²/NDF:37.5/32
All: -62.282+/-595.291 χ²/NDF: 61.8/61

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

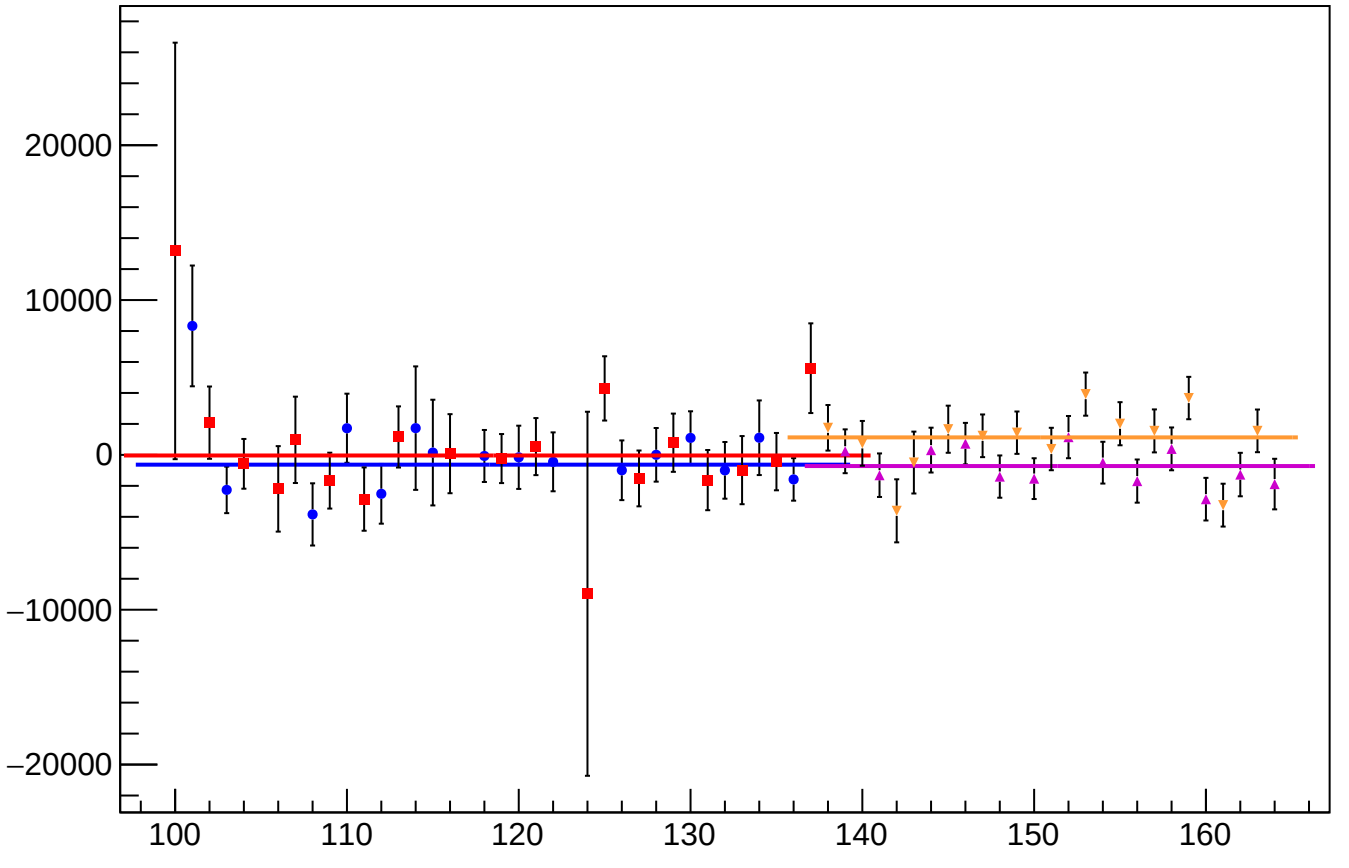
Left: 3619.140+/-0.570 χ^2/NDF: 3651871.8/26

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3789.577+/-0.641 χ^2/NDF:1252855.1/28

Out: 3233.929+/-0.558 χ^2/NDF:3207139.2/32

All: 3473.228+/-0.421 χ^2/NDF: 4887241.3/61



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -720.663+/-386.715 χ^2/NDF:9.0/12

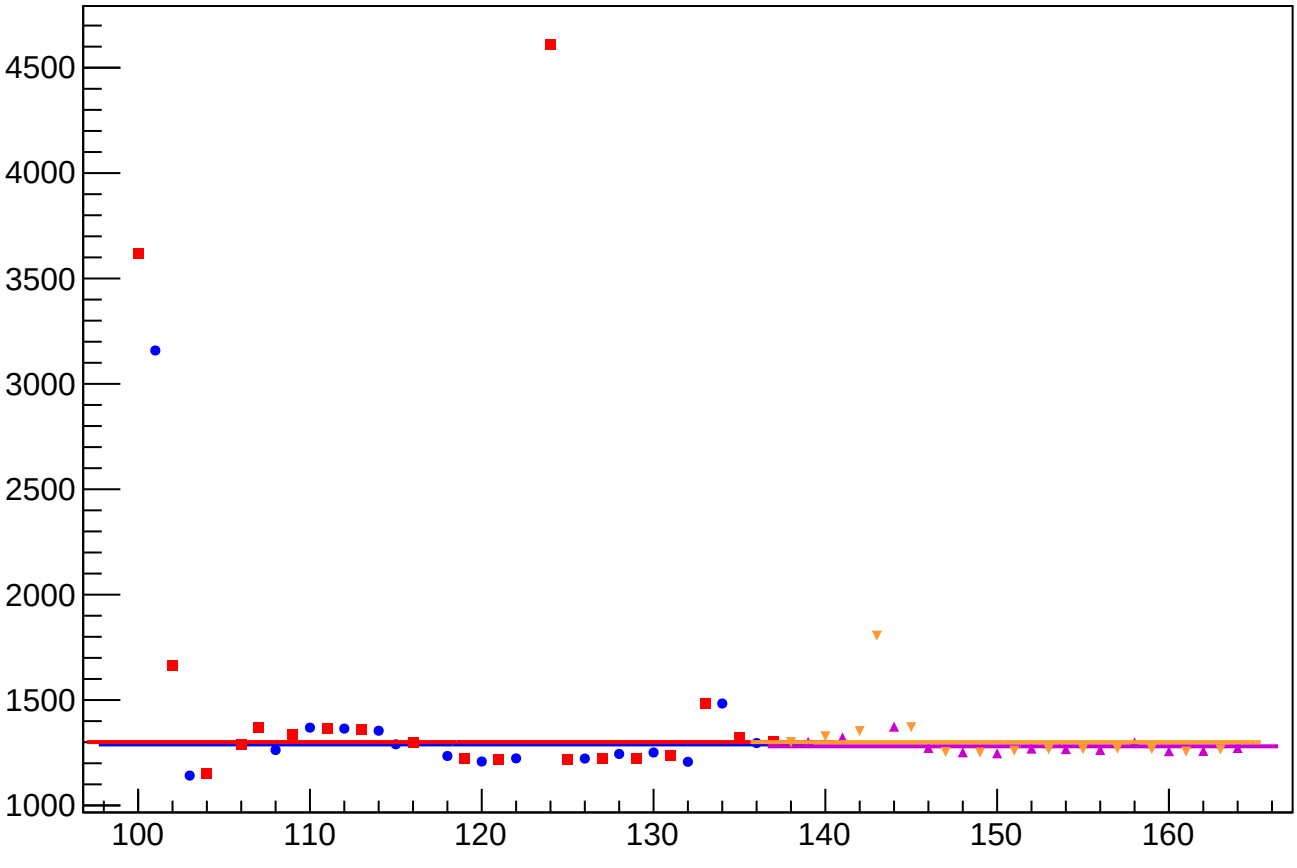
Left: 198.048+/-274.450 χ^2/NDF: 45.3/26

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -686.298+/-303.246 χ^2/NDF:22.9/28

Out: 675.447+/-304.472 χ^2/NDF:44.7/32

All: -8.174+/-214.859 χ^2/NDF: 77.7/61



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.464+/-0.273 χ^2/NDF:14813.9/12

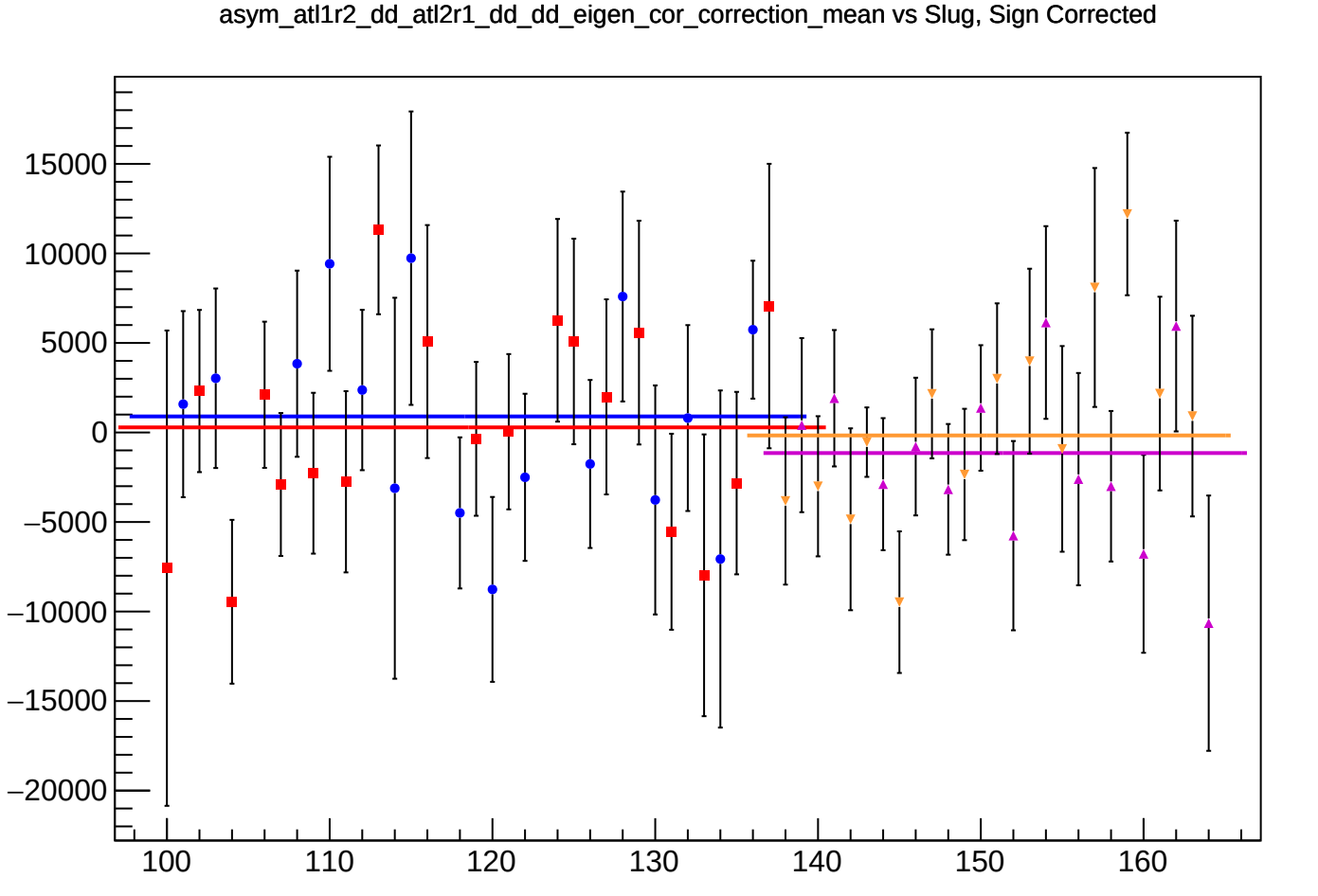
Left: 1290.315+/-0.194 χ^2/NDF: 166074.6/26

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1283.931+/-0.214 χ^2/NDF:529907.7/28

Out: 1300.456+/-0.215 χ^2/NDF:474554.7/32

All: 1292.166+/-0.152 χ^2/NDF: 1007422.3/61


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
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−20000
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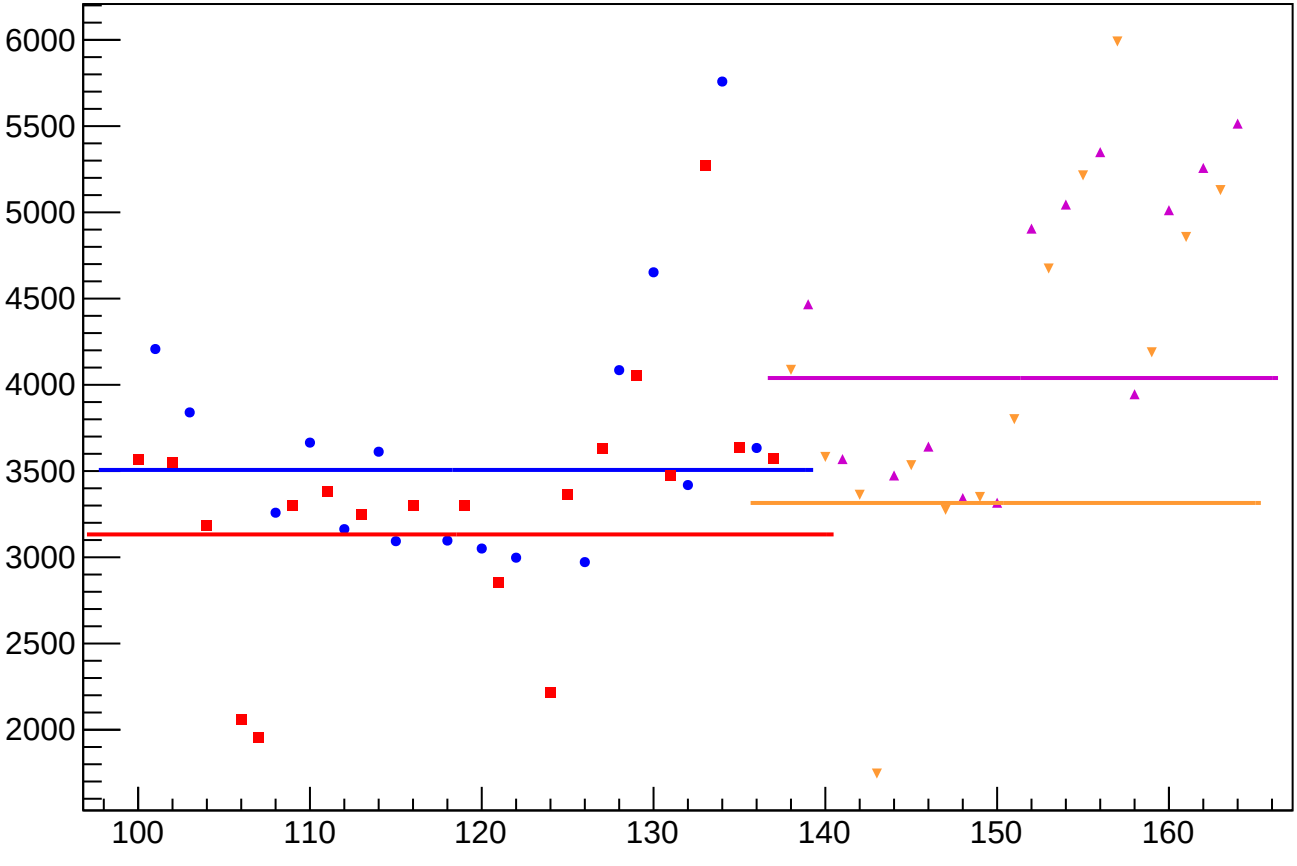
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -165.293+/-1058.652 χ²/NDF:18.8/13
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1148.822+/-1244.617 χ²/NDF:8.9/12
Left: -578.162+/-806.396 χ²/NDF: 28.0/26
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -190.171+/-907.107 χ²/NDF:24.3/28
Out: 34.458+/-788.943 χ²/NDF:37.5/32
All: -62.282+/-595.291 χ²/NDF: 61.8/61

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: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4039.430+/-0.880 χ^2/NDF:727697.3/12

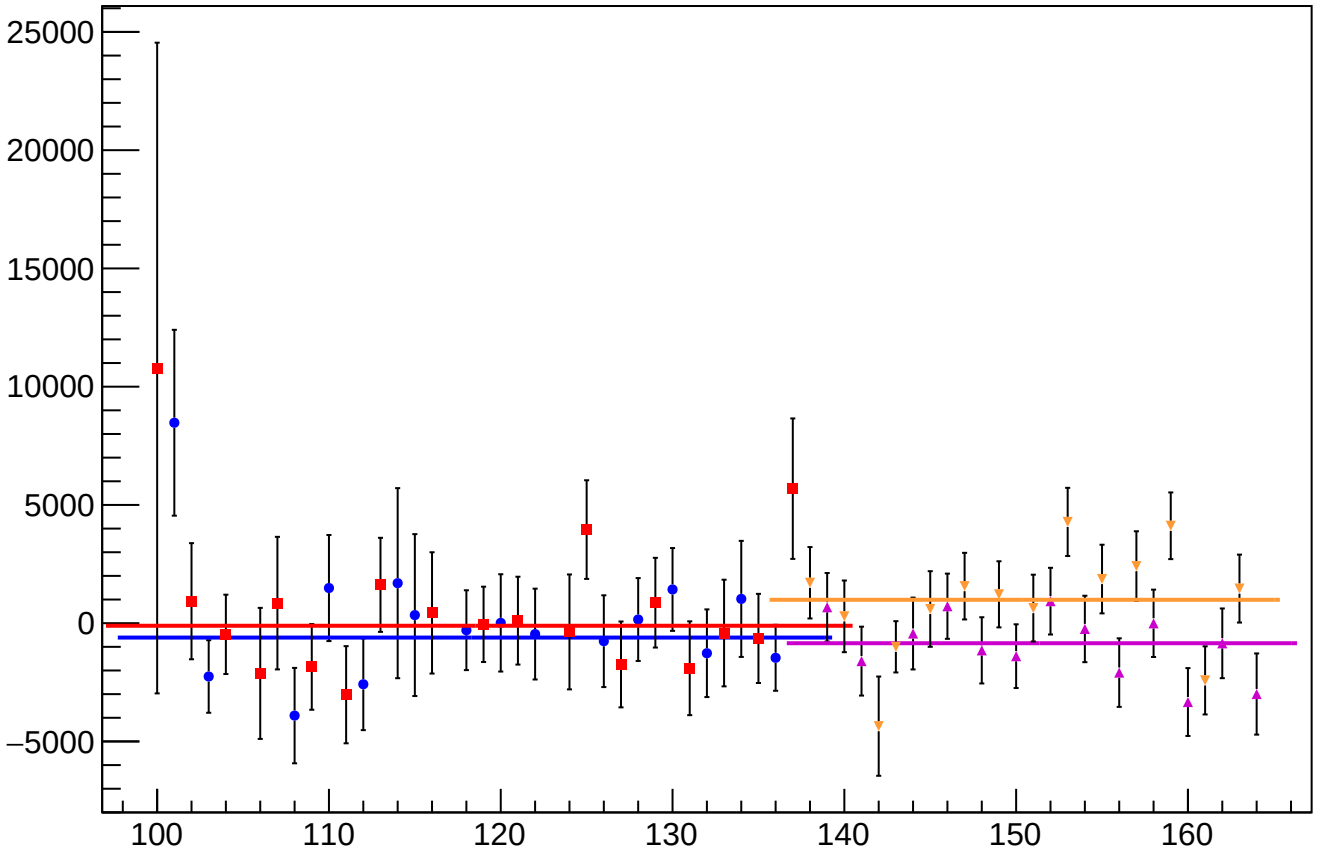
Left: 3619.140+/-0.570 χ^2/NDF: 3651871.8/26

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3789.577+/-0.641 χ^2/NDF:1252855.1/28

Out: 3233.929+/-0.558 χ^2/NDF:3207139.2/32

All: 3473.228+/-0.421 χ^2/NDF: 4887241.3/61



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.710+/-384.960 χ^2/NDF:27.8/13

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -847.227+/-400.519 χ^2/NDF:10.4/12

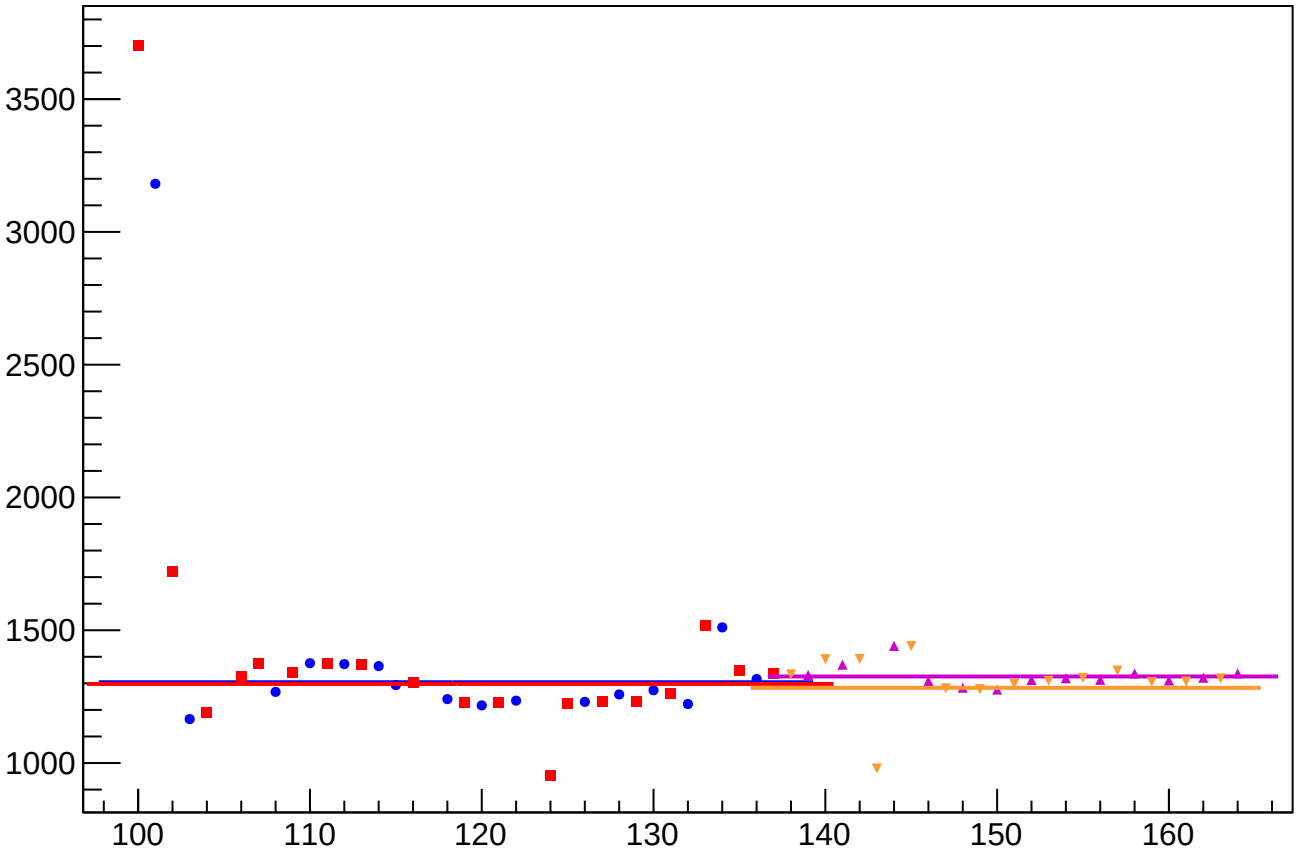
Left: 107.614+/-277.545 χ^2/NDF: 49.1/26

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -752.319+/-311.157 χ^2/NDF:24.6/28

Out: 565.793+/-301.656 χ^2/NDF:45.8/32

All: -72.830+/-216.584 χ^2/NDF: 79.6/61



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.230+/-0.272 χ^2/NDF:202612.3/13

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.933+/-0.283 χ^2/NDF:19015.9/12

Left: 1303.736+/-0.196 χ^2/NDF: 233445.9/26

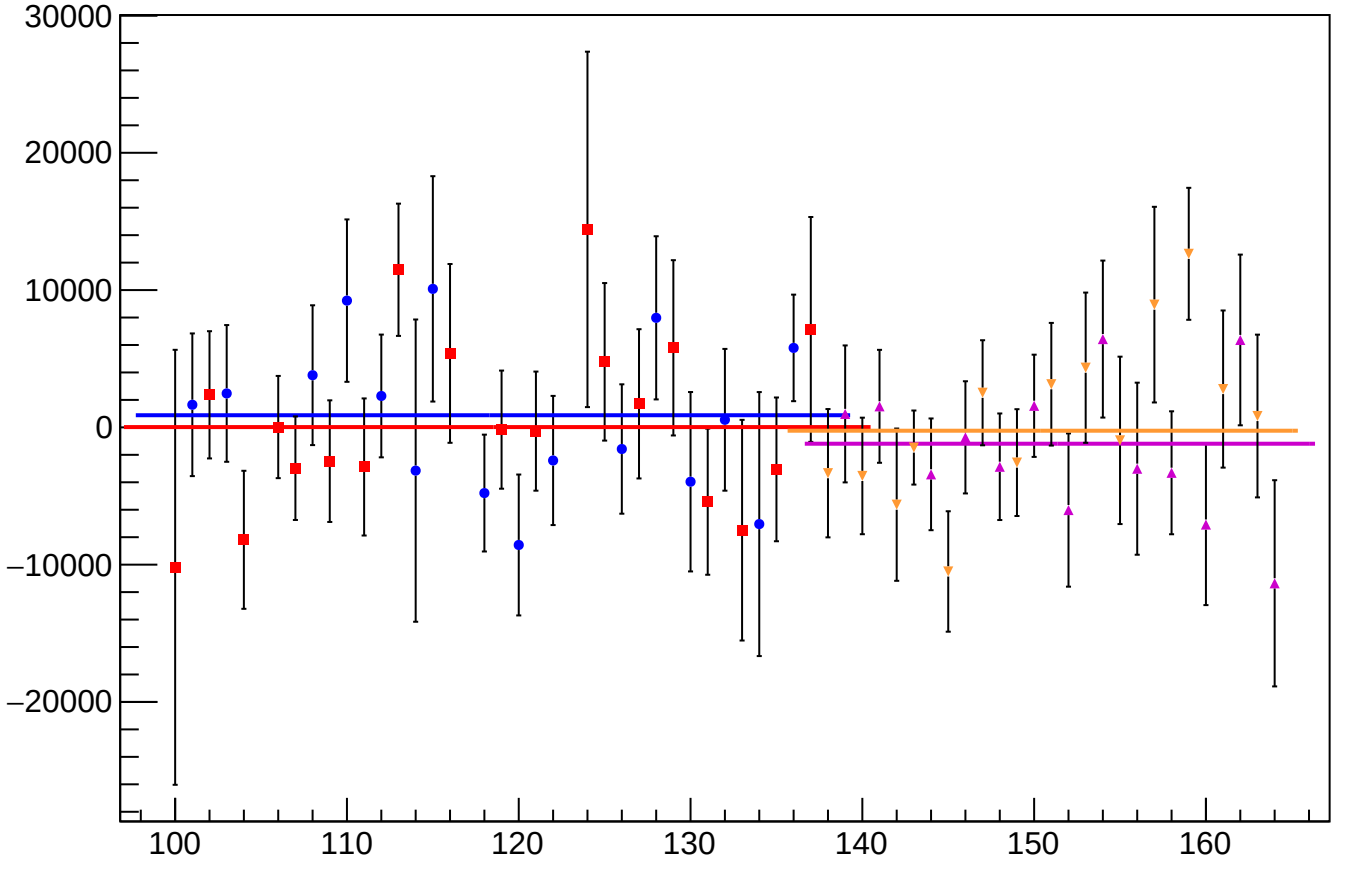
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1317.278+/-0.220 χ^2/NDF:531960.9/28

Out: 1288.857+/-0.213 χ^2/NDF:416815.4/32

All: 1302.623+/-0.153 χ^2/NDF: 957380.3/61

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: -243.884+/-1203.871 χ^2/NDF:19.0/13

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1191.323+/-1325.927 χ^2/NDF:8.8/12

Left: -671.998+/-891.300 χ^2/NDF: 28.1/26

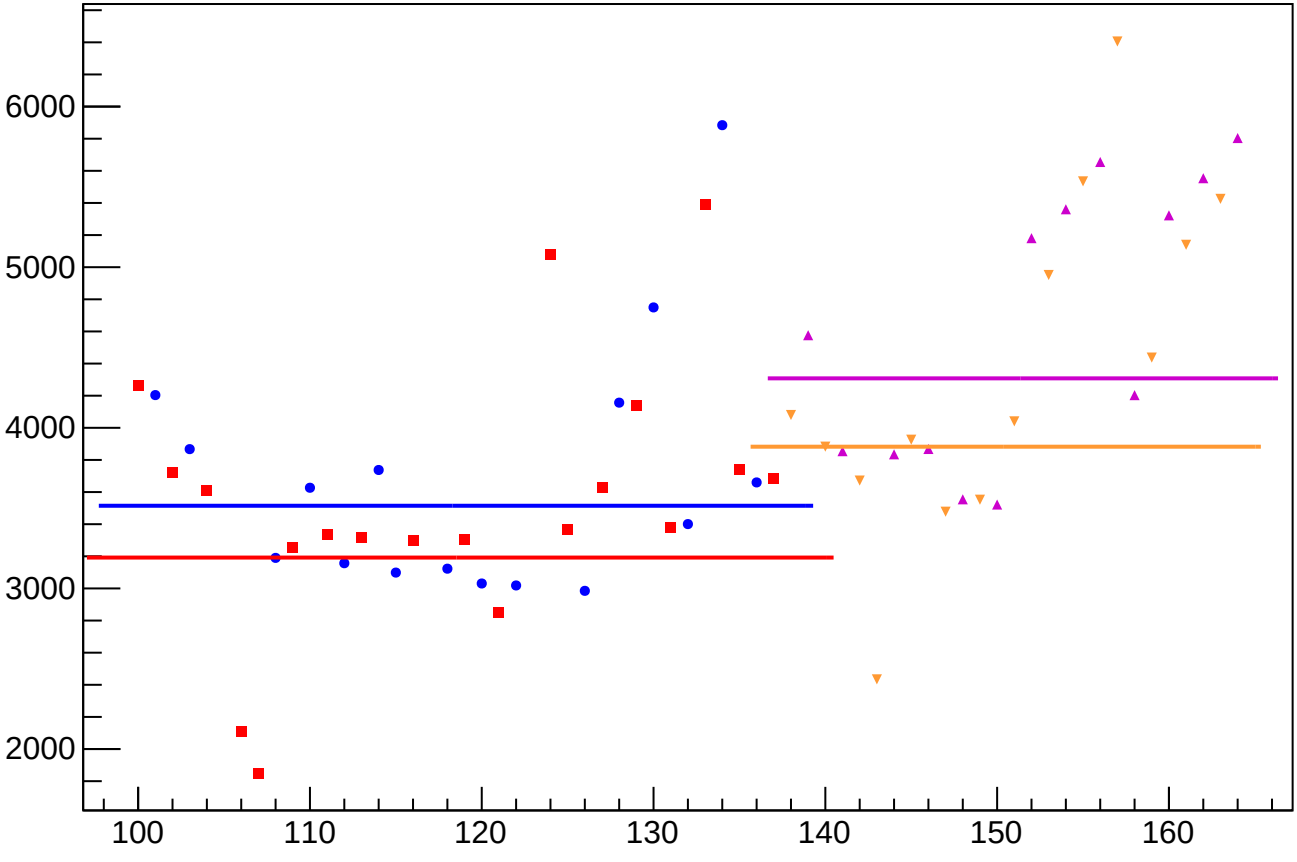
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: -154.784+/-938.092 χ^2/NDF:24.2/28

Out: -111.177+/-849.899 χ^2/NDF:35.8/32

All: -130.835+/-629.846 χ^2/NDF: 60.0/61

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: 3882.446+/-0.851 χ^2/NDF:1355221.4/13

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4307.916+/-0.938 χ^2/NDF:674431.0/12

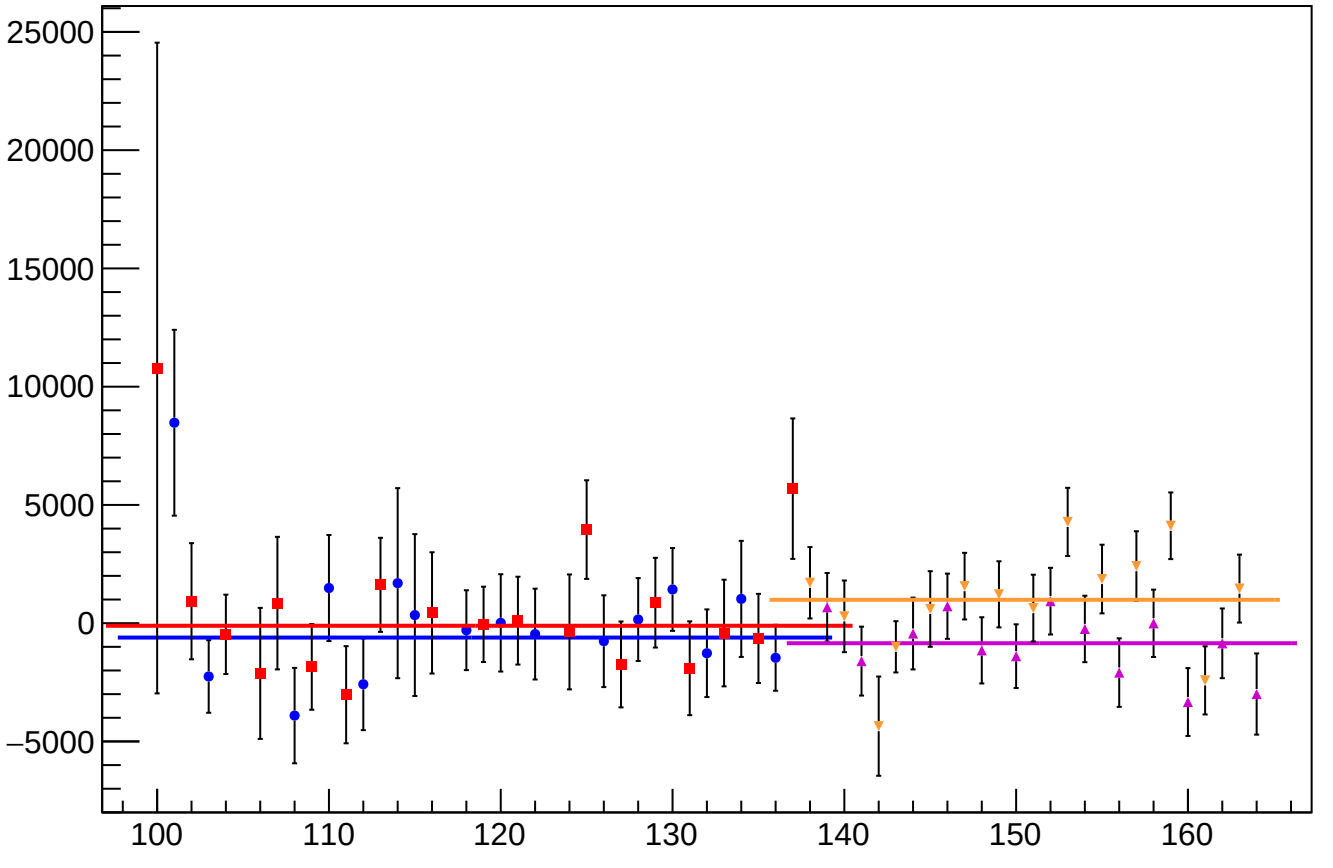
Left: 4074.701+/-0.630 χ^2/NDF: 2142532.1/26

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3911.771+/-0.663 χ^2/NDF:1406956.8/28

Out: 3536.218+/-0.601 χ^2/NDF:2457505.3/32

All: 3705.515+/-0.445 χ^2/NDF: 4040504.4/61



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.716+/-384.960 χ^2/NDF:27.8/13

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -847.228+/-400.519 χ^2/NDF:10.4/12

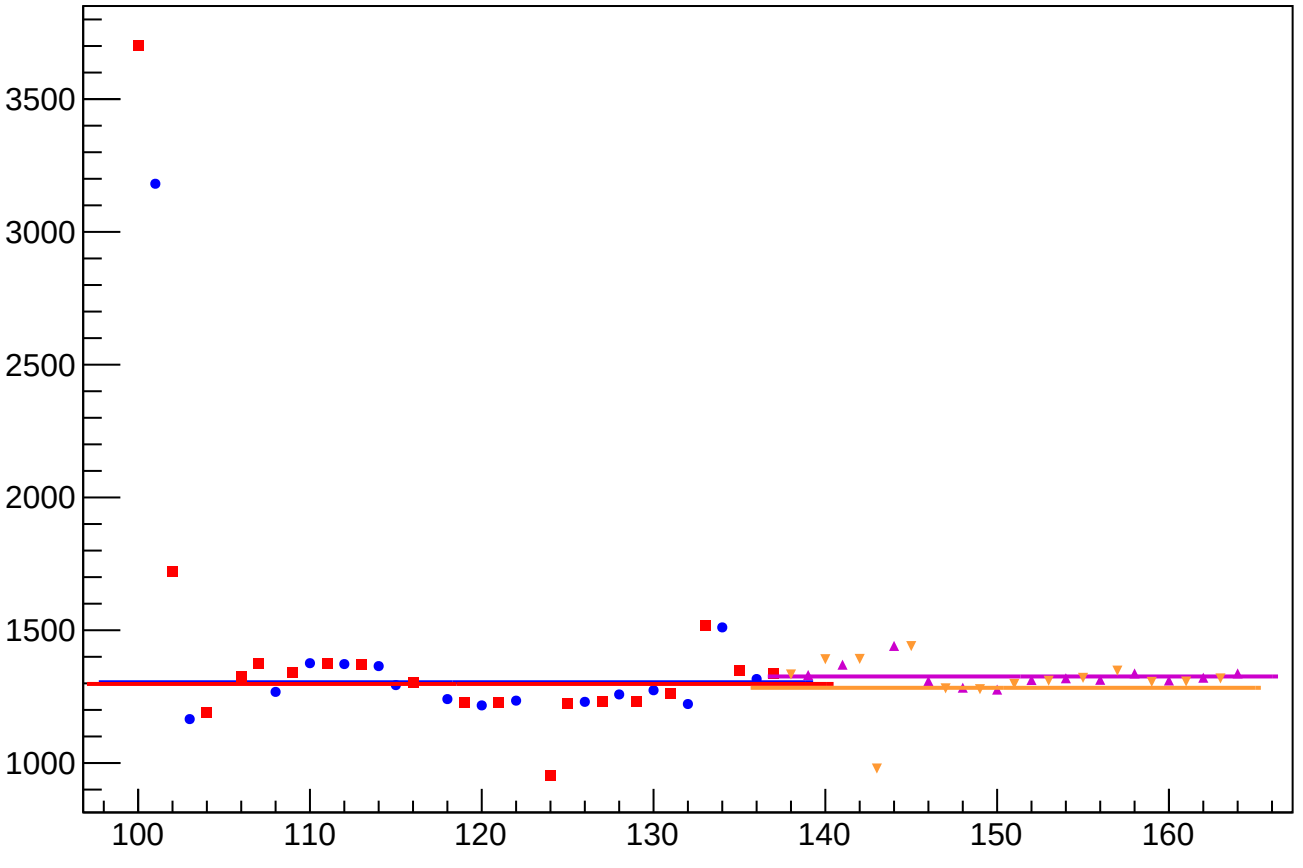
Left: 107.616+/-277.546 χ^2/NDF: 49.1/26

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -752.321+/-311.158 χ^2/NDF:24.6/28

Out: 565.794+/-301.656 χ^2/NDF:45.8/32

All: -72.830+/-216.584 χ^2/NDF: 79.6/61



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1283.231+/-0.272 χ^2/NDF:202612.9/13

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.934+/-0.283 χ^2/NDF:19016.0/12

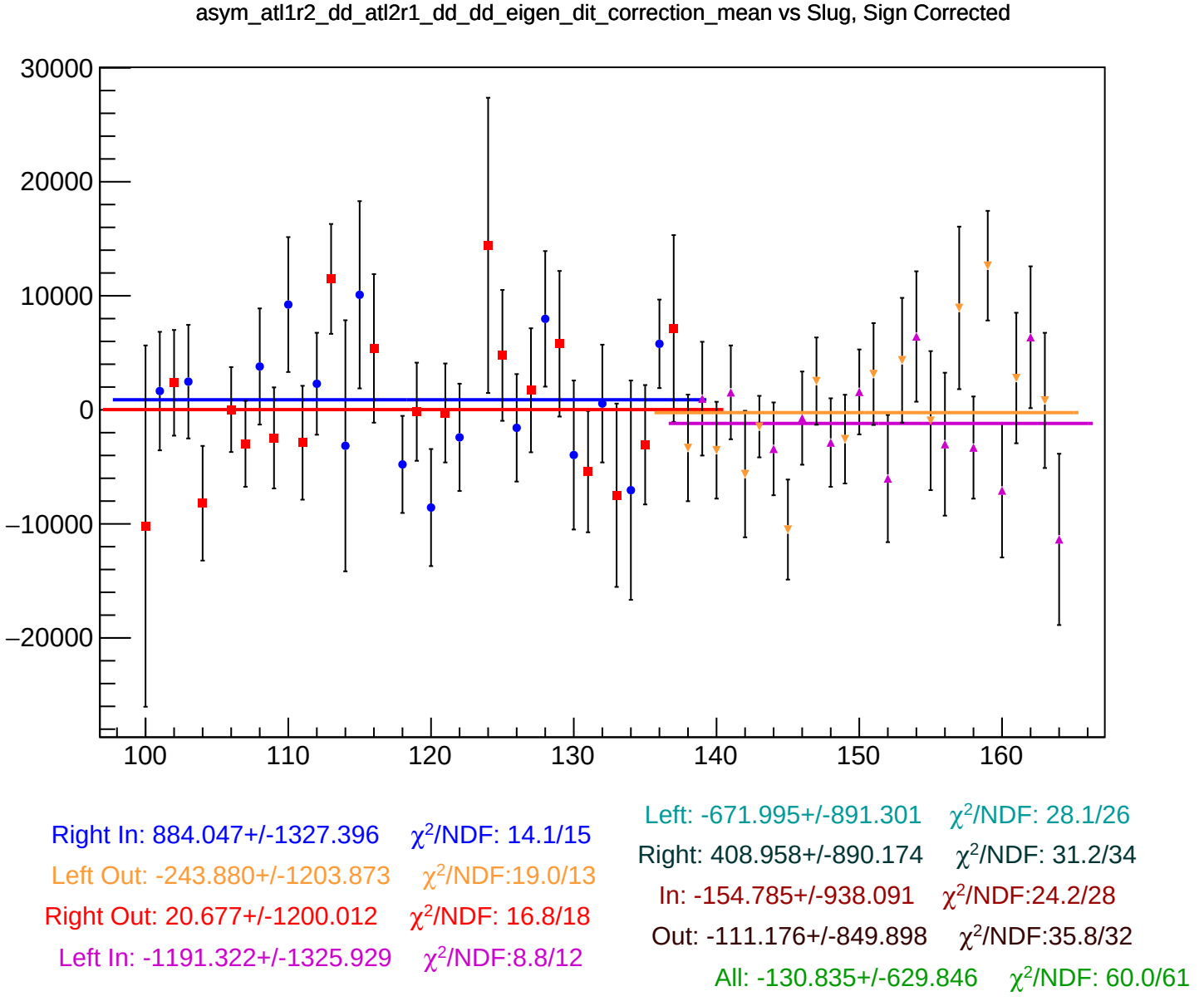
Left: 1303.737+/-0.196 χ^2/NDF: 233446.8/26

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

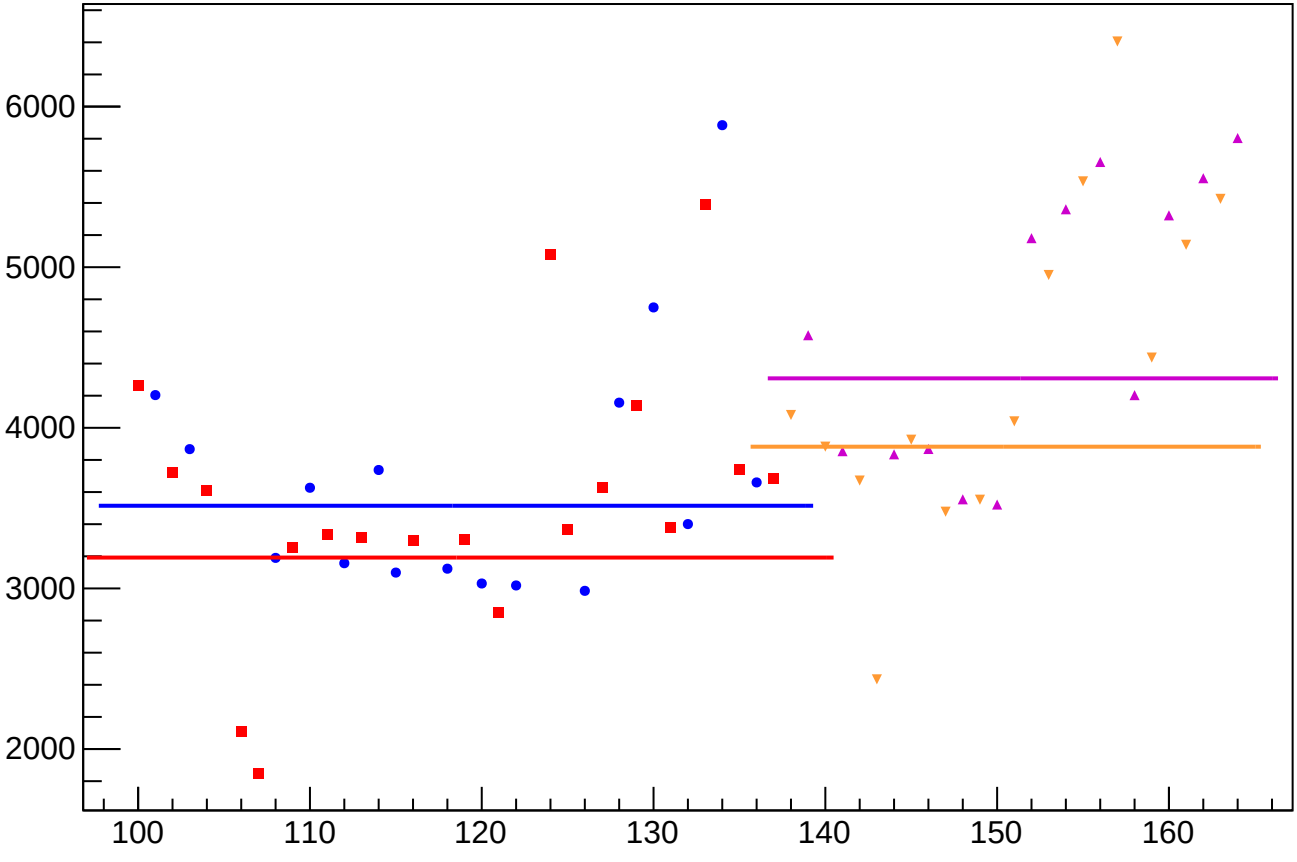
In: 1317.279+/-0.220 χ^2/NDF:531961.4/28

Out: 1288.858+/-0.213 χ^2/NDF:416815.9/32

All: 1302.624+/-0.153 χ^2/NDF: 957381.4/61


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
160
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -243.880+/-1203.873 χ²/NDF:19.0/13
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -1191.322+/-1325.929 χ²/NDF:8.8/12
Left: -671.995+/-891.301 χ²/NDF: 28.1/26
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: -154.785+/-938.091 χ²/NDF:24.2/28
Out: -111.176+/-849.898 χ²/NDF:35.8/32
All: -130.835+/-629.846 χ²/NDF: 60.0/61

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: 3882.452+/-0.851 χ^2/NDF:1355222.4/13

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4307.922+/-0.938 χ^2/NDF:674432.7/12

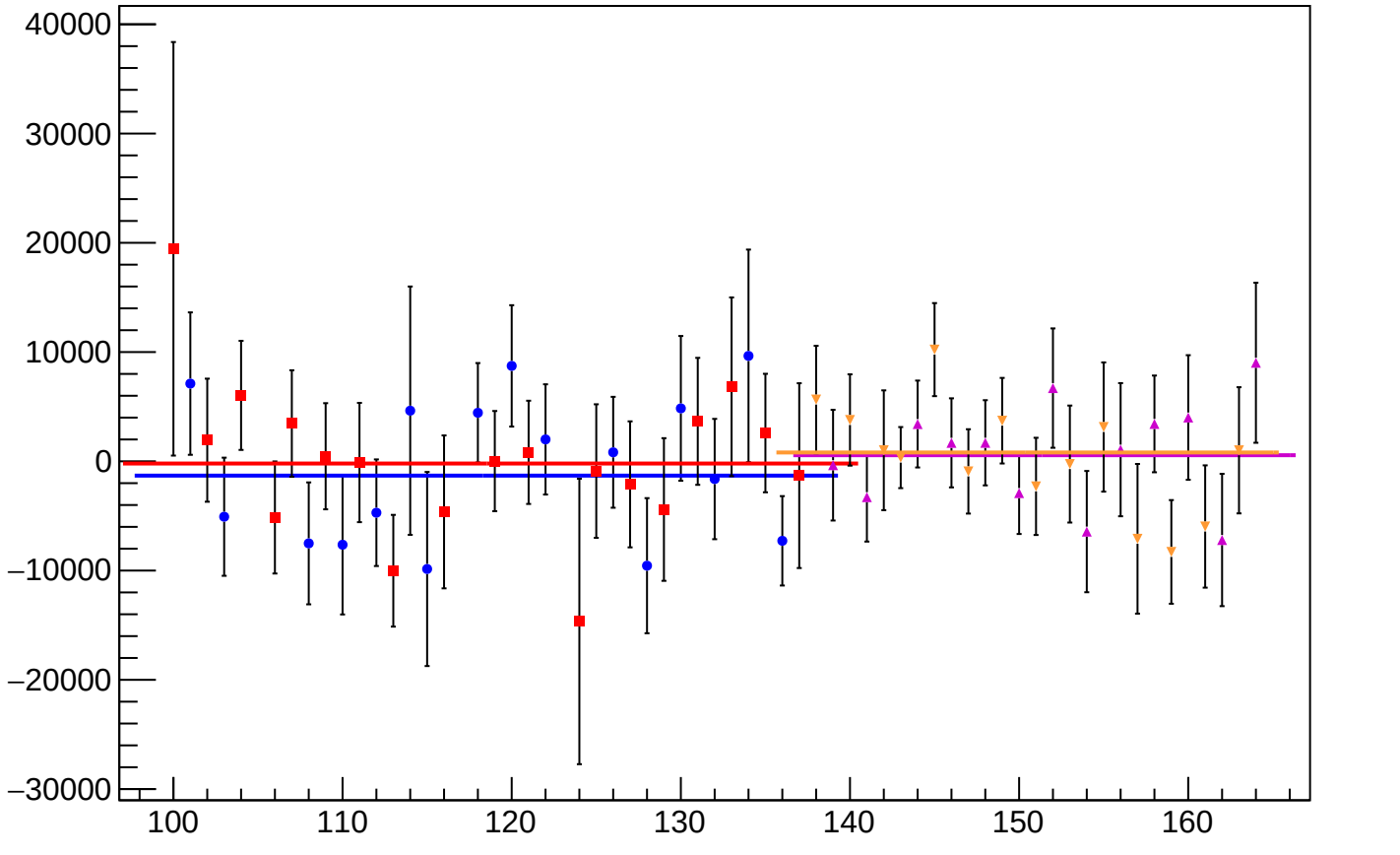
Left: 4074.707+/-0.630 χ^2/NDF: 2142534.7/26

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3911.768+/-0.663 χ^2/NDF:1406976.5/28

Out: 3536.215+/-0.601 χ^2/NDF:2457521.6/32

All: 3705.512+/-0.445 χ^2/NDF: 4040540.1/61



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 808.302+/-1204.711 χ^2/NDF:14.3/13

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 558.248+/-1312.498 χ^2/NDF:9.1/12

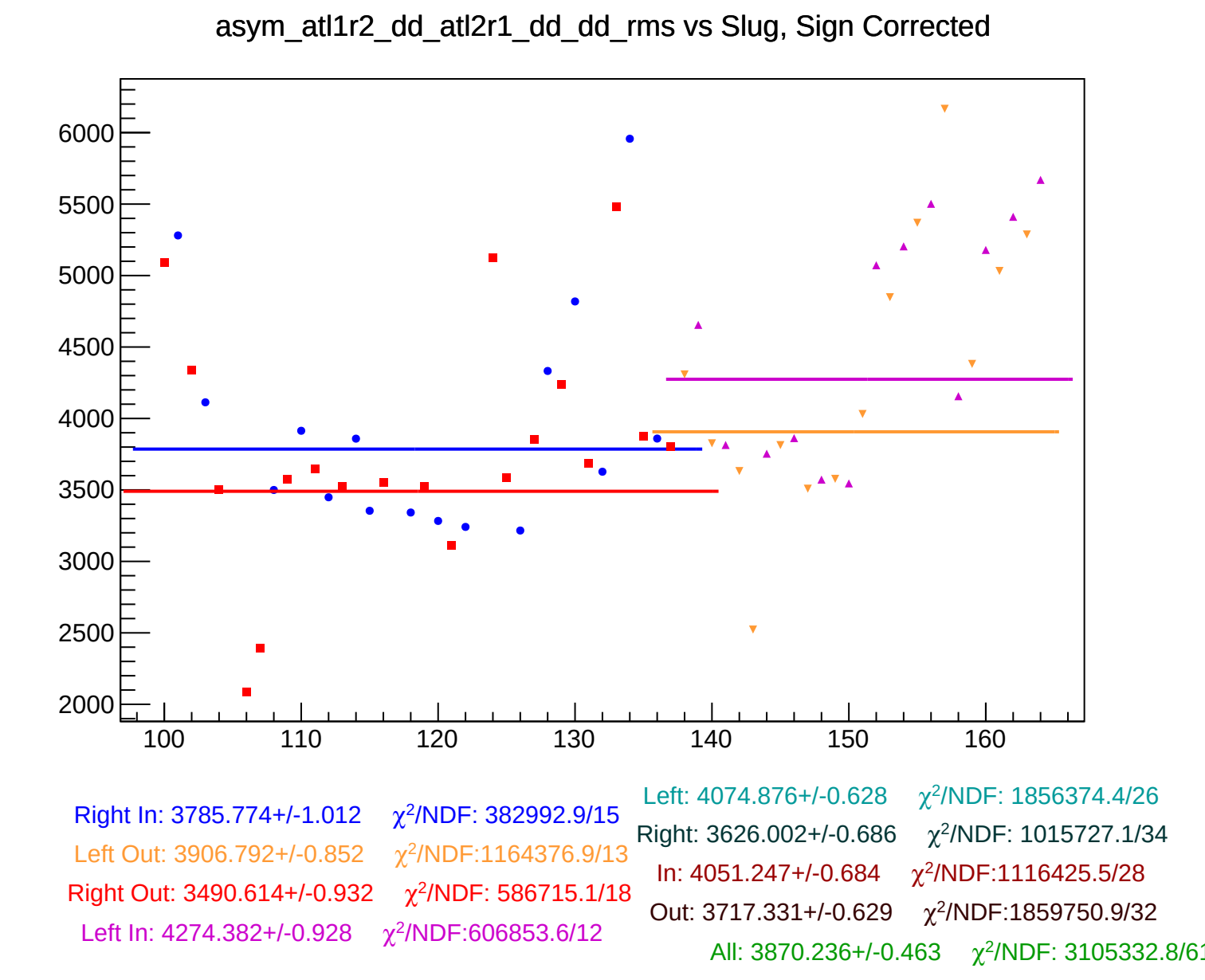
Left: 693.963+/-887.523 χ^2/NDF: 23.4/26

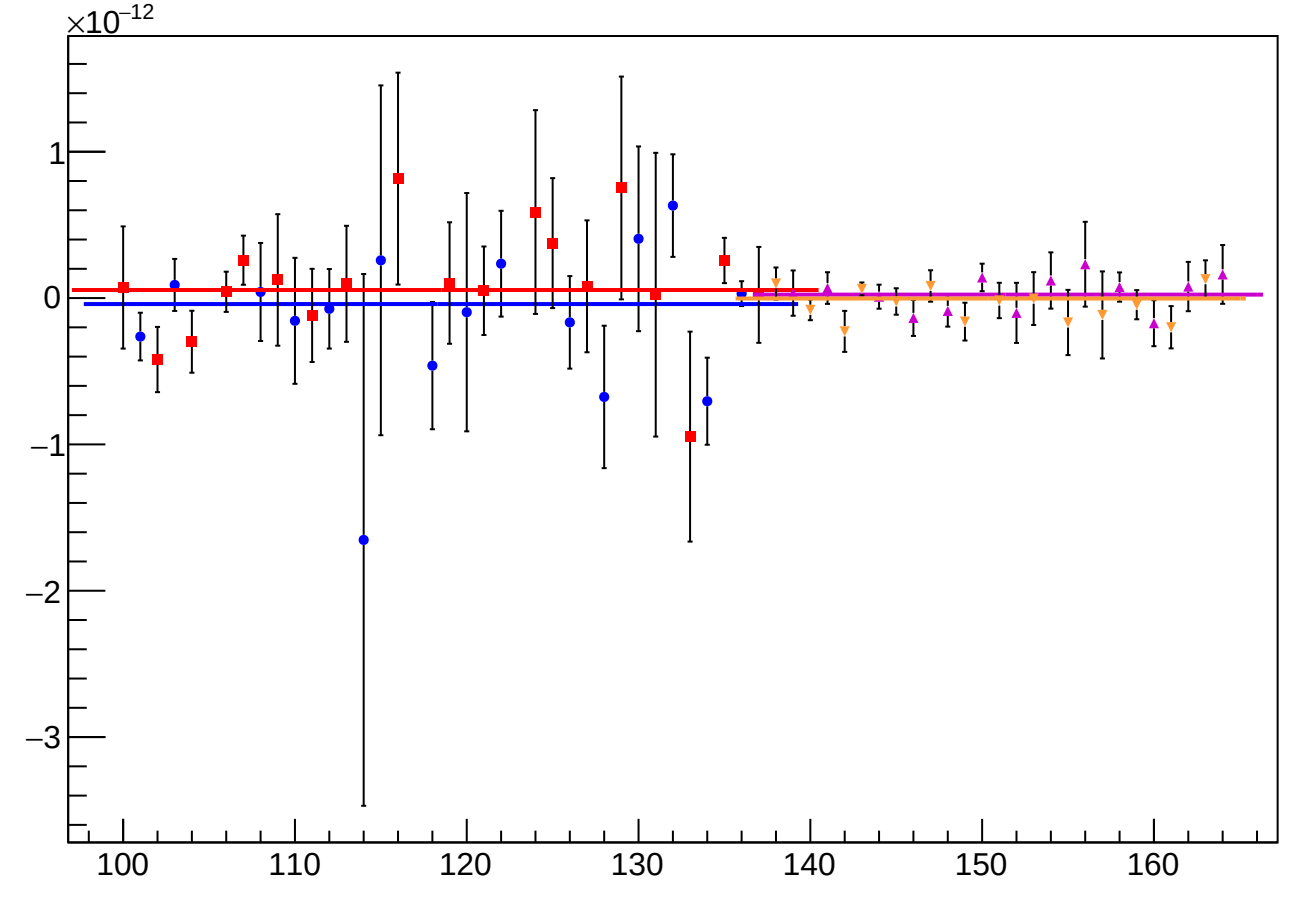
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -294.628+/-967.454 χ^2/NDF:27.6/28

Out: 355.424+/-894.703 χ^2/NDF:26.3/32

All: 55.756+/-656.866 χ^2/NDF: 54.1/61


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
Right In: 3785.774+/-1.012 χ²/NDF: 382992.9/15
Left Out: 3906.792+/-0.852 χ²/NDF:1164376.9/13
Right Out: 3490.614+/-0.932 χ²/NDF: 586715.1/18
Left In: 4274.382+/-0.928 χ²/NDF:606853.6/12
Left: 4074.876+/-0.628 χ²/NDF: 1856374.4/26
Right: 3626.002+/-0.686 χ²/NDF: 1015727.1/34
In: 4051.247+/-0.684 χ²/NDF:1116425.5/28
Out: 3717.331+/-0.629 χ²/NDF:1859750.9/32
All: 3870.236+/-0.463 χ²/NDF: 3105332.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/12

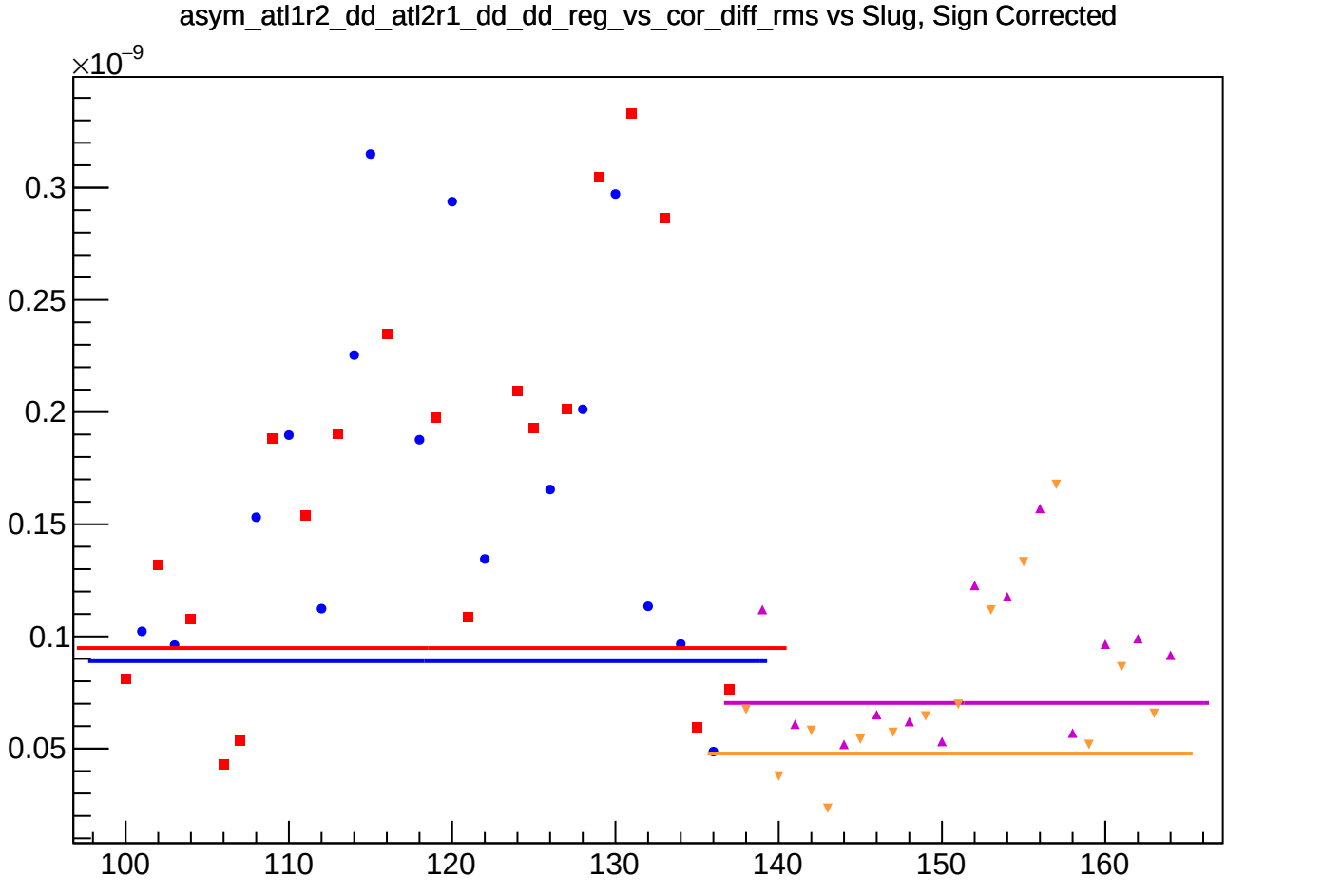
Left: 0.000+/-0.000 χ^2/NDF: 21.2/26

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:25.6/28

Out: 0.000+/-0.000 χ^2/NDF:29.4/32

All: 0.000+/-0.000 χ^2/NDF: 55.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1913939.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:946141.6/12

Left: 0.000+/-0.000 χ^2/NDF: 3387197.0/26

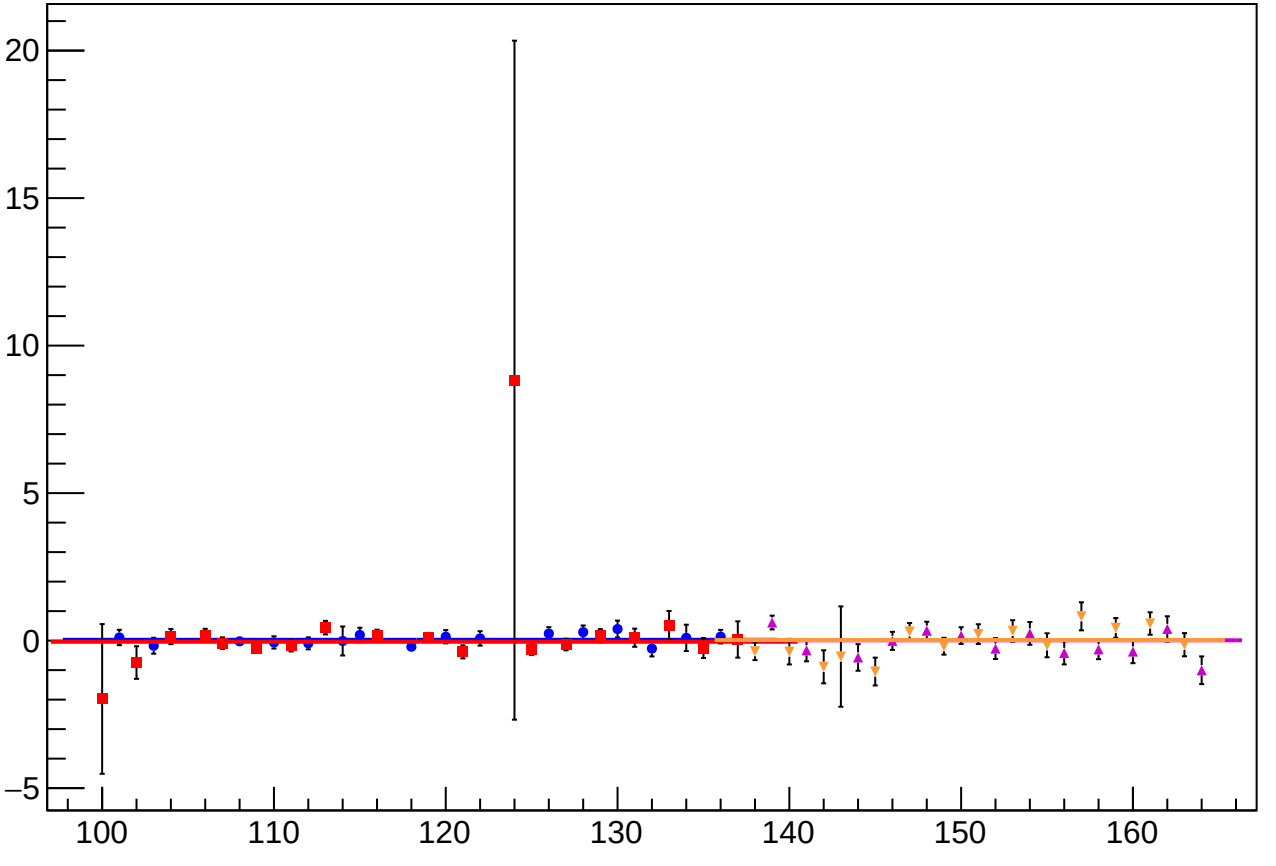
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2553869.1/28

Out: 0.000+/-0.000 χ^2/NDF:4573405.5/32

All: 0.000+/-0.000 χ^2/NDF: 7697963.7/61

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.015+/-0.069 χ^2/NDF: 39.9/26

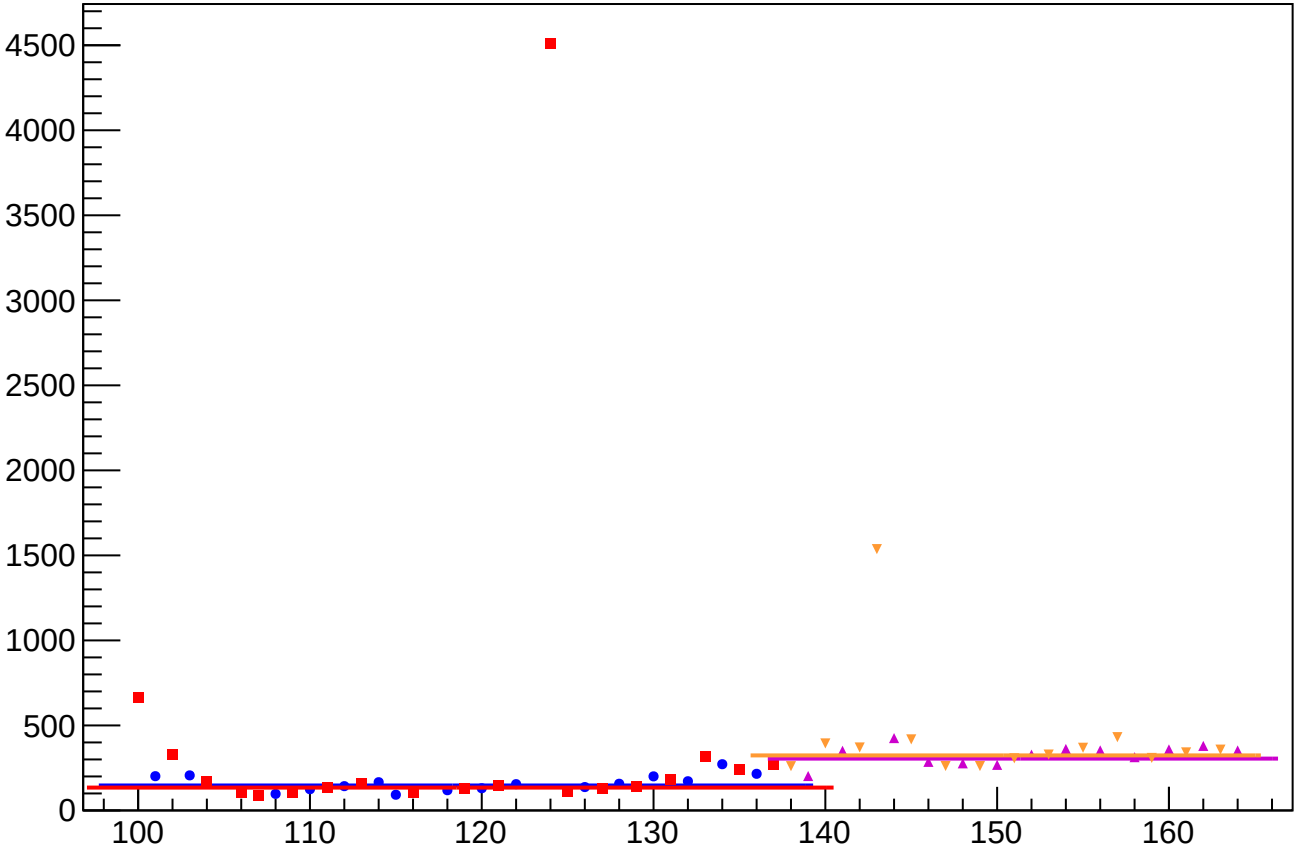
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: -0.002+/-0.034 χ^2/NDF: 70.1/61

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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

Left: 313.730+/-0.049 χ^2/NDF: 2454979.0/26

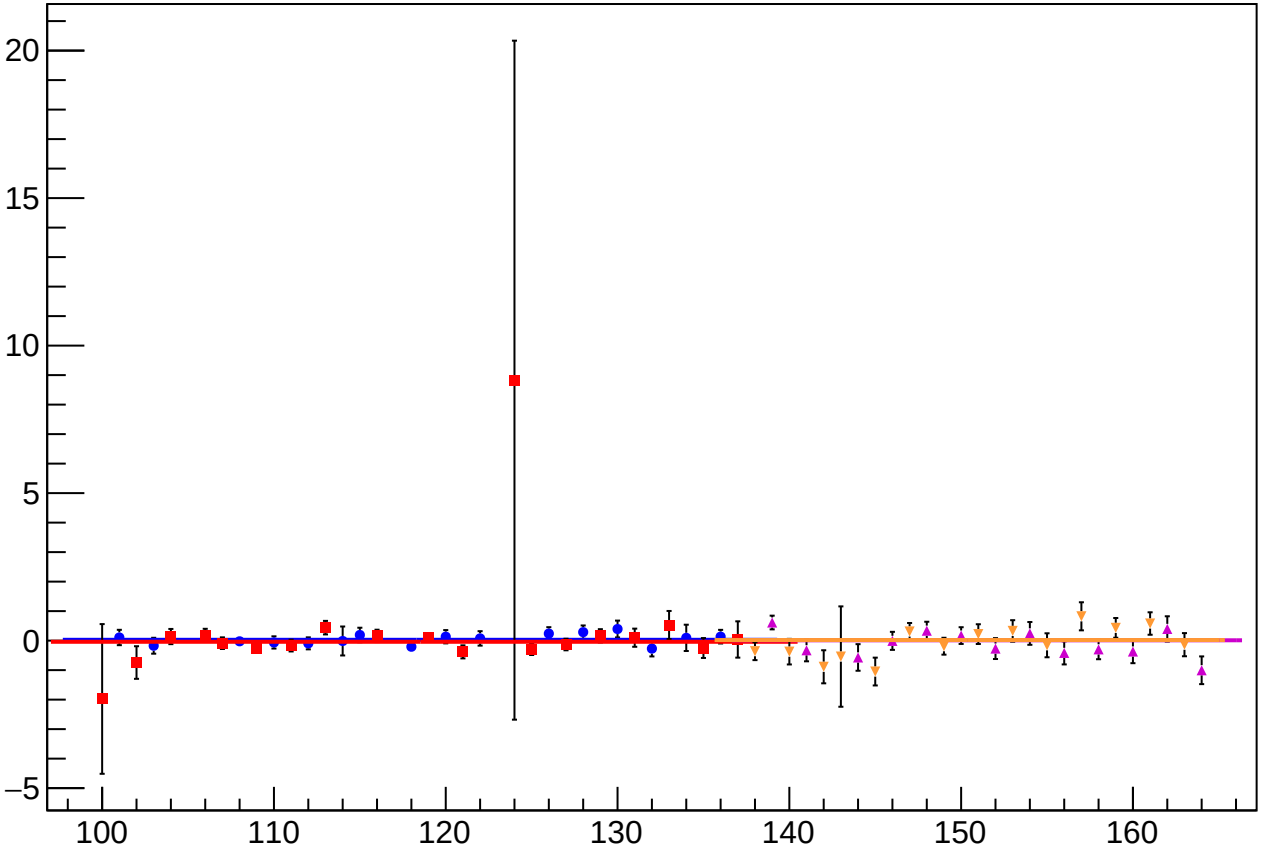
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 189.495+/-0.035 χ^2/NDF:5872838.2/28

Out: 177.461+/-0.034 χ^2/NDF:8619520.0/32

All: 183.337+/-0.024 χ^2/NDF: 14553328.6/61

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.015+/-0.069 χ^2/NDF: 39.9/26

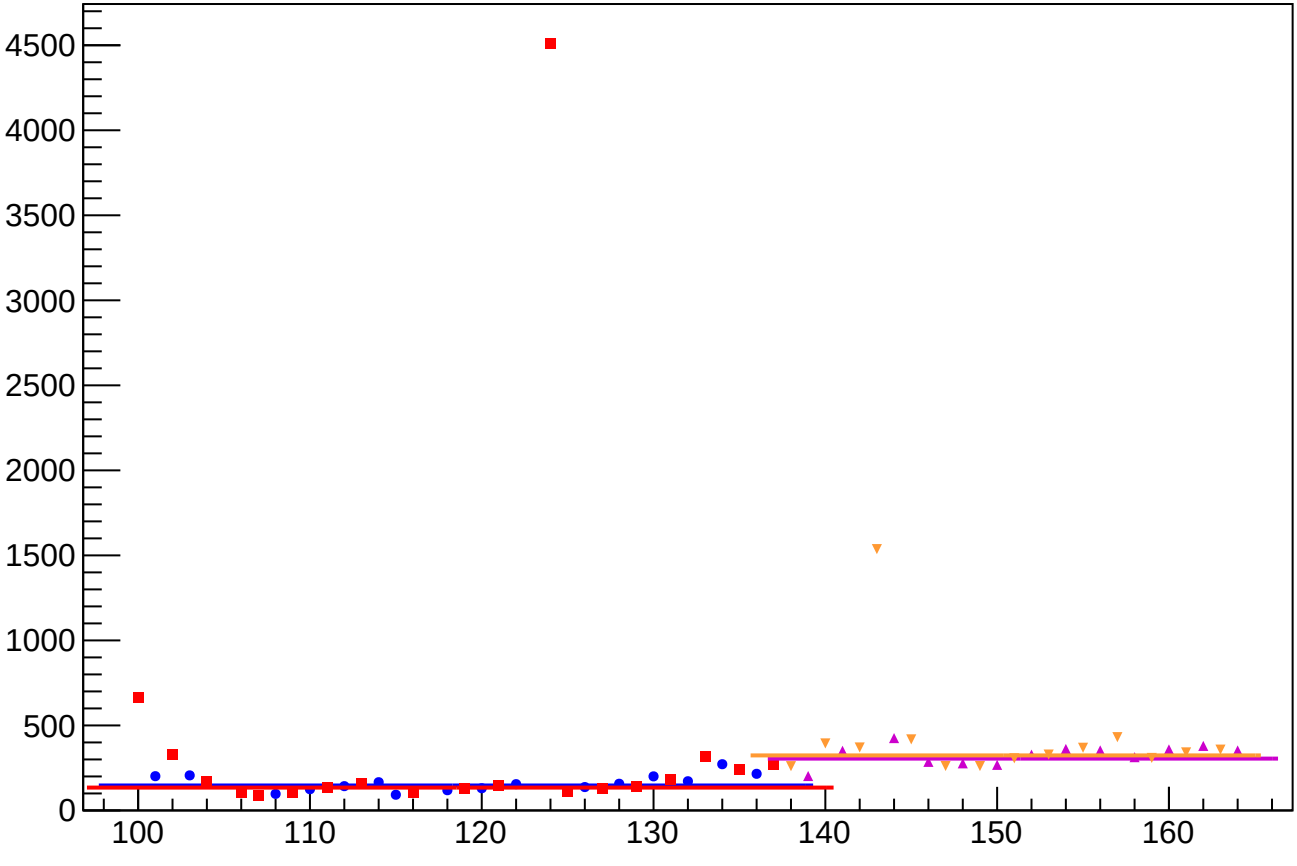
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: -0.002+/-0.034 χ^2/NDF: 70.1/61

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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 304.928+/-0.067 χ^2/NDF:822276.2/12

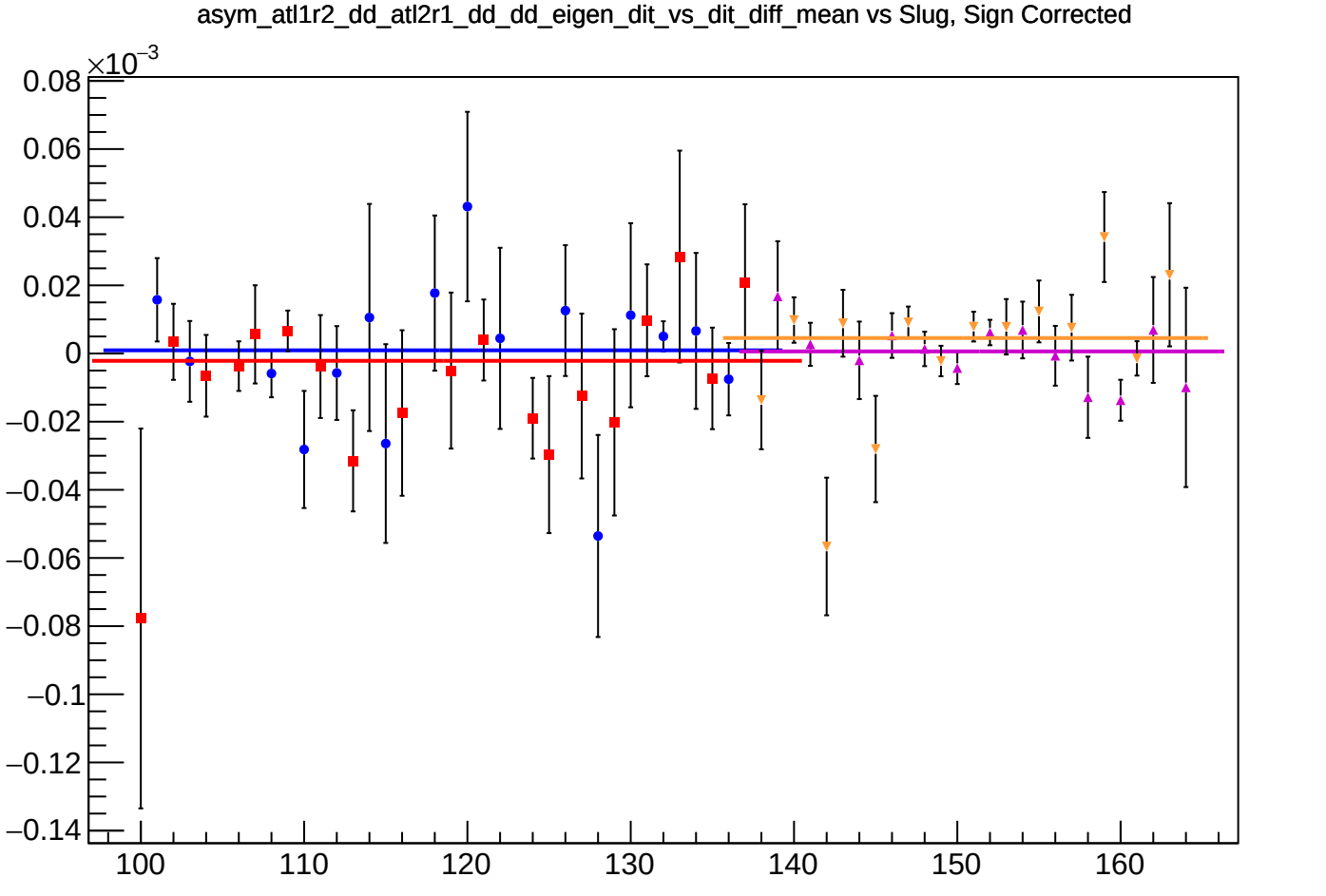
Left: 313.730+/-0.049 χ^2/NDF: 2454979.0/26

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

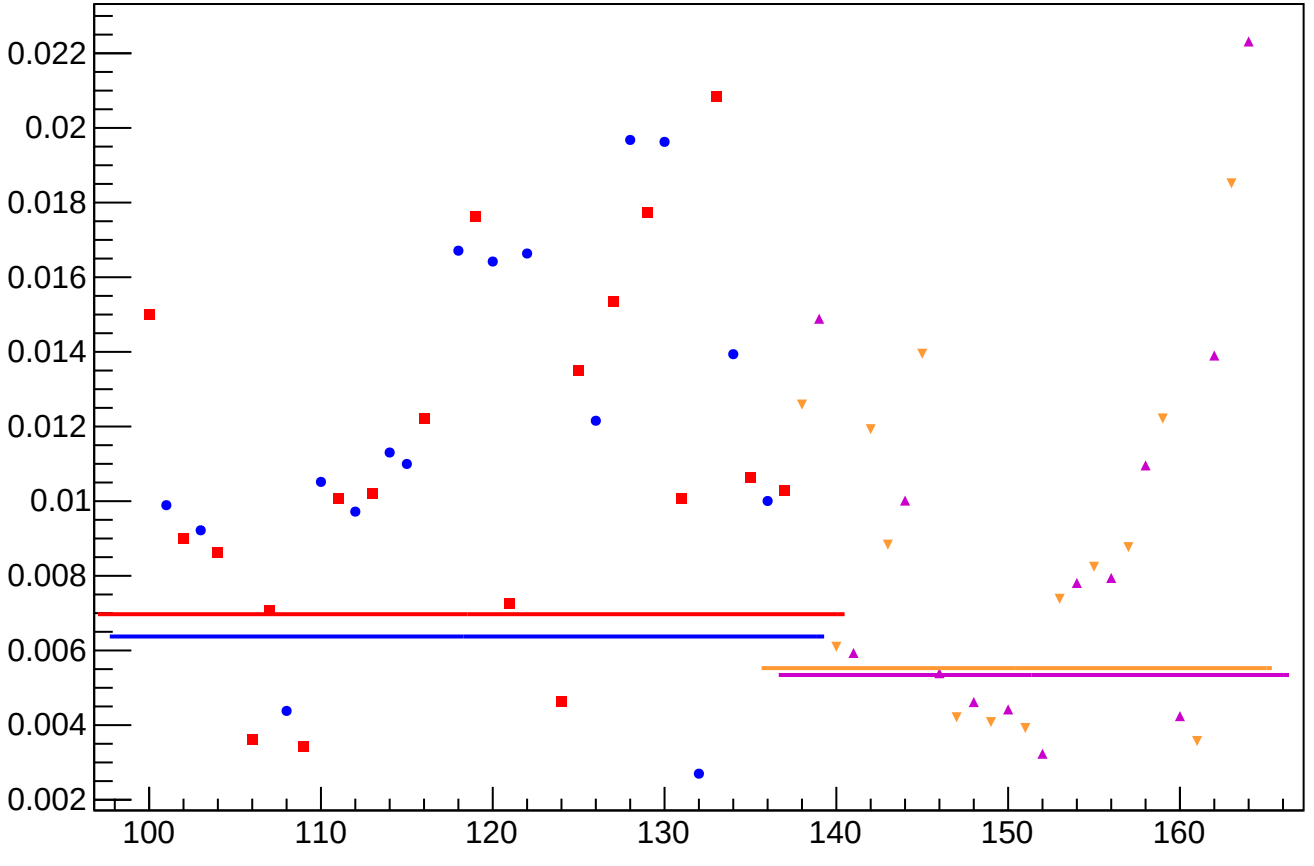
In: 189.495+/-0.035 χ^2/NDF:5872838.2/28

Out: 177.461+/-0.034 χ^2/NDF:8619520.0/32

All: 183.337+/-0.024 χ^2/NDF: 14553328.6/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:28.0/13
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:12.8/12
Left: 0.000+/-0.000 χ²/NDF: 43.0/26
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:27.7/28
Out: 0.000+/-0.000 χ²/NDF:47.6/32
All: 0.000+/-0.000 χ²/NDF: 76.1/61

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4231862.3/13

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3950745.4/12

Left: 0.005+/-0.000 χ^2/NDF: 8192153.0/26

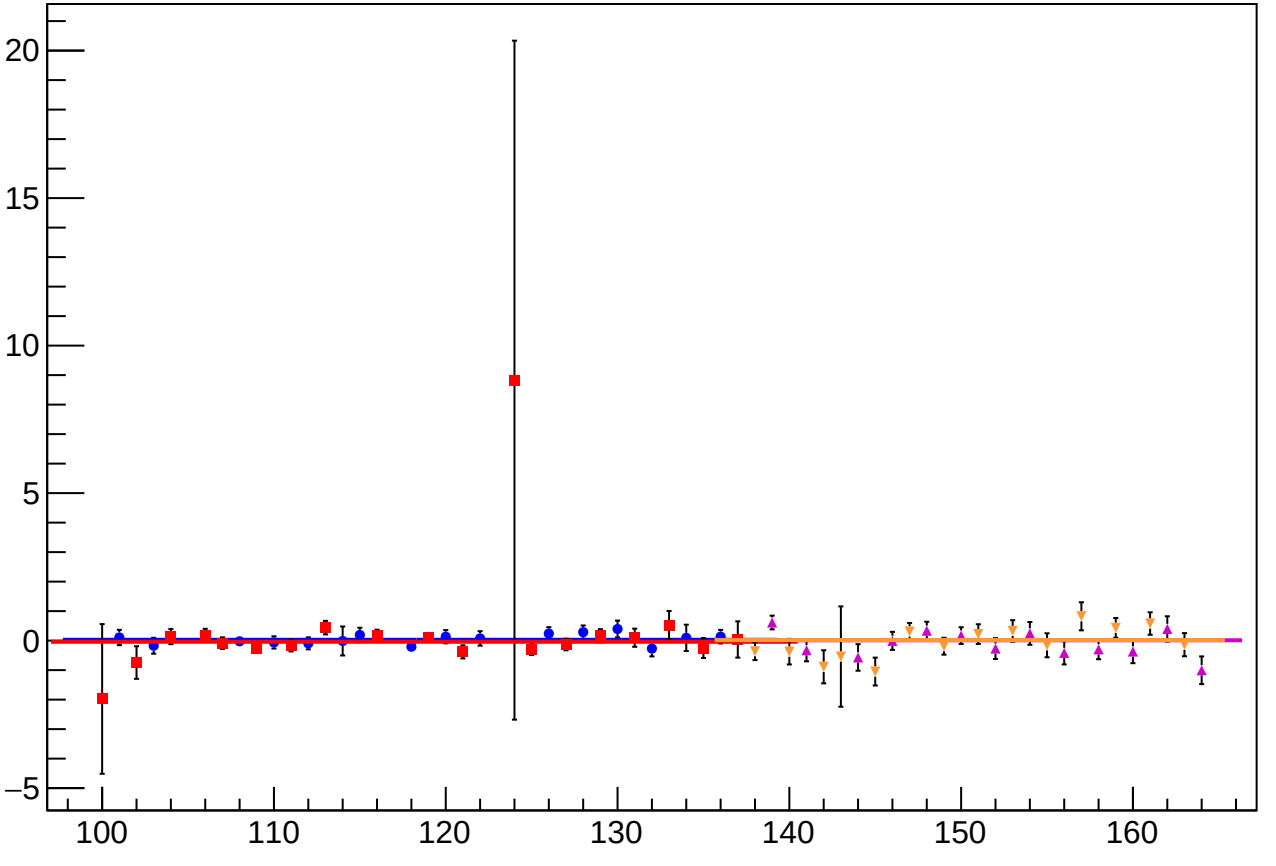
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:8766438.7/28

Out: 0.006+/-0.000 χ^2/NDF:7971164.2/32

All: 0.006+/-0.000 χ^2/NDF: 16771419.2/61

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.015+/-0.069 χ^2/NDF: 39.9/26

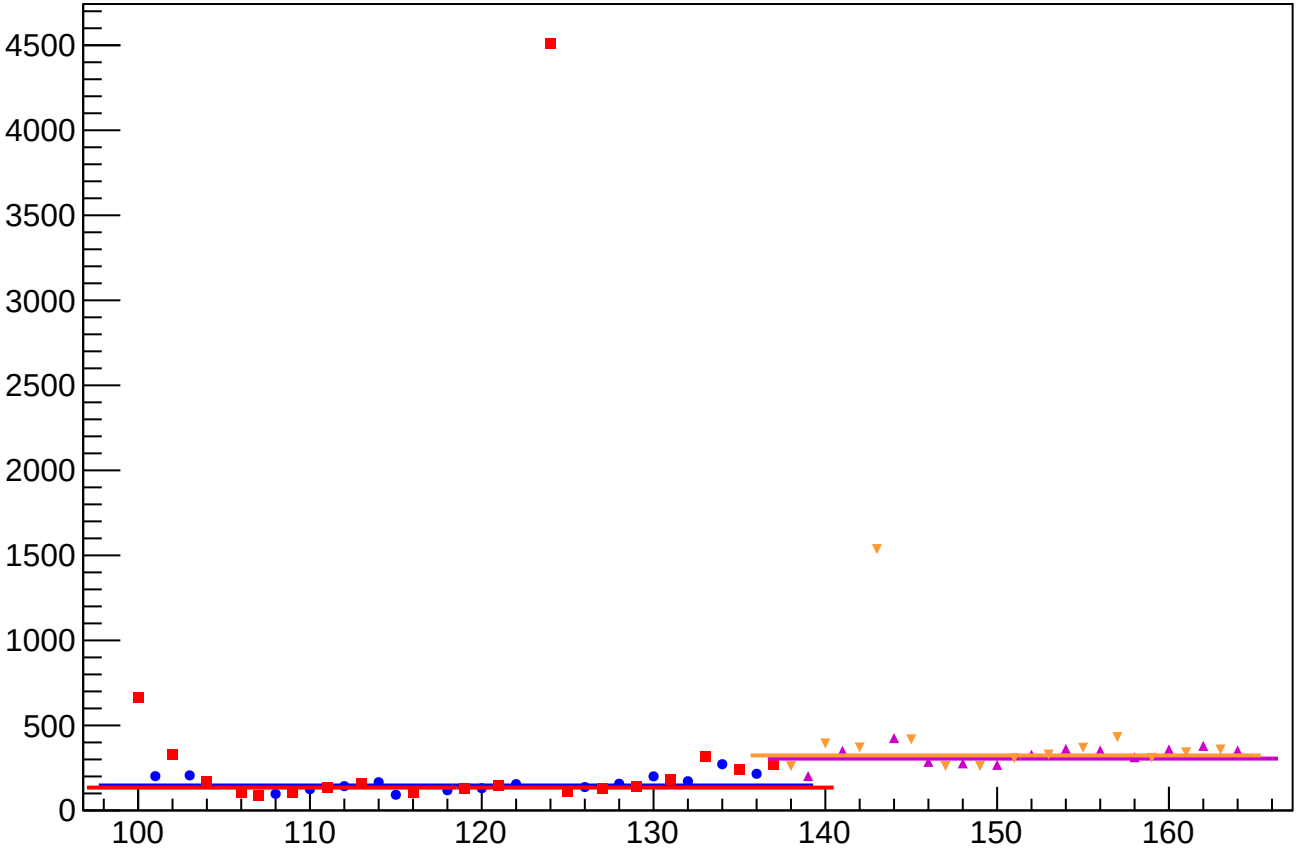
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: -0.002+/-0.034 χ^2/NDF: 70.1/61

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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

Left: 313.734+/-0.049 χ^2/NDF: 2454977.8/26

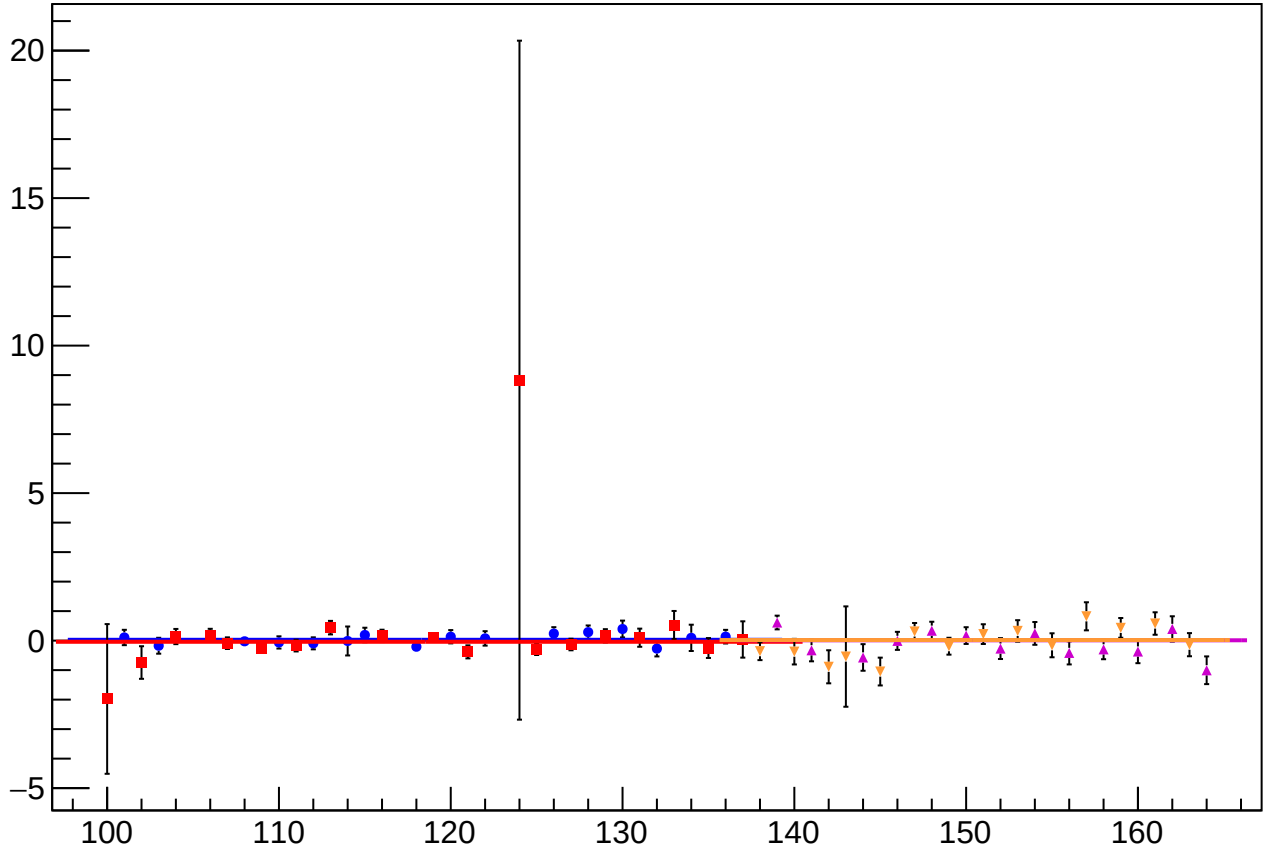
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 189.495+/-0.035 χ^2/NDF:5872926.3/28

Out: 177.463+/-0.034 χ^2/NDF:8619502.0/32

All: 183.338+/-0.024 χ^2/NDF: 14553384.3/61

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.011+/-0.095 χ^2/NDF:20.1/12

Left: 0.015+/-0.069 χ^2/NDF: 39.9/26

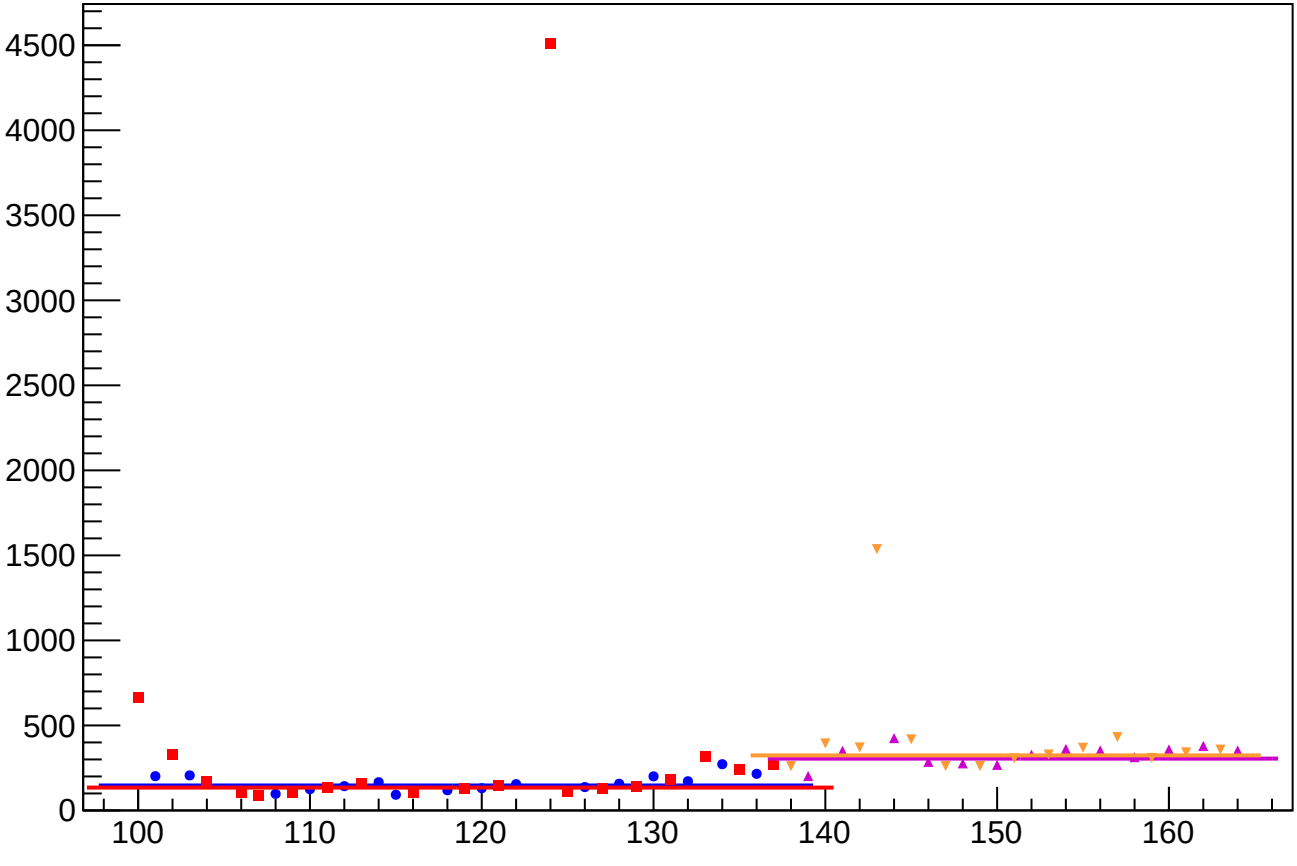
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.023+/-0.049 χ^2/NDF:29.6/28

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: -0.002+/-0.034 χ^2/NDF: 70.1/61

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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 304.932+/-0.067 χ^2/NDF:822267.6/12

Left: 313.734+/-0.049 χ^2/NDF: 2454977.8/26

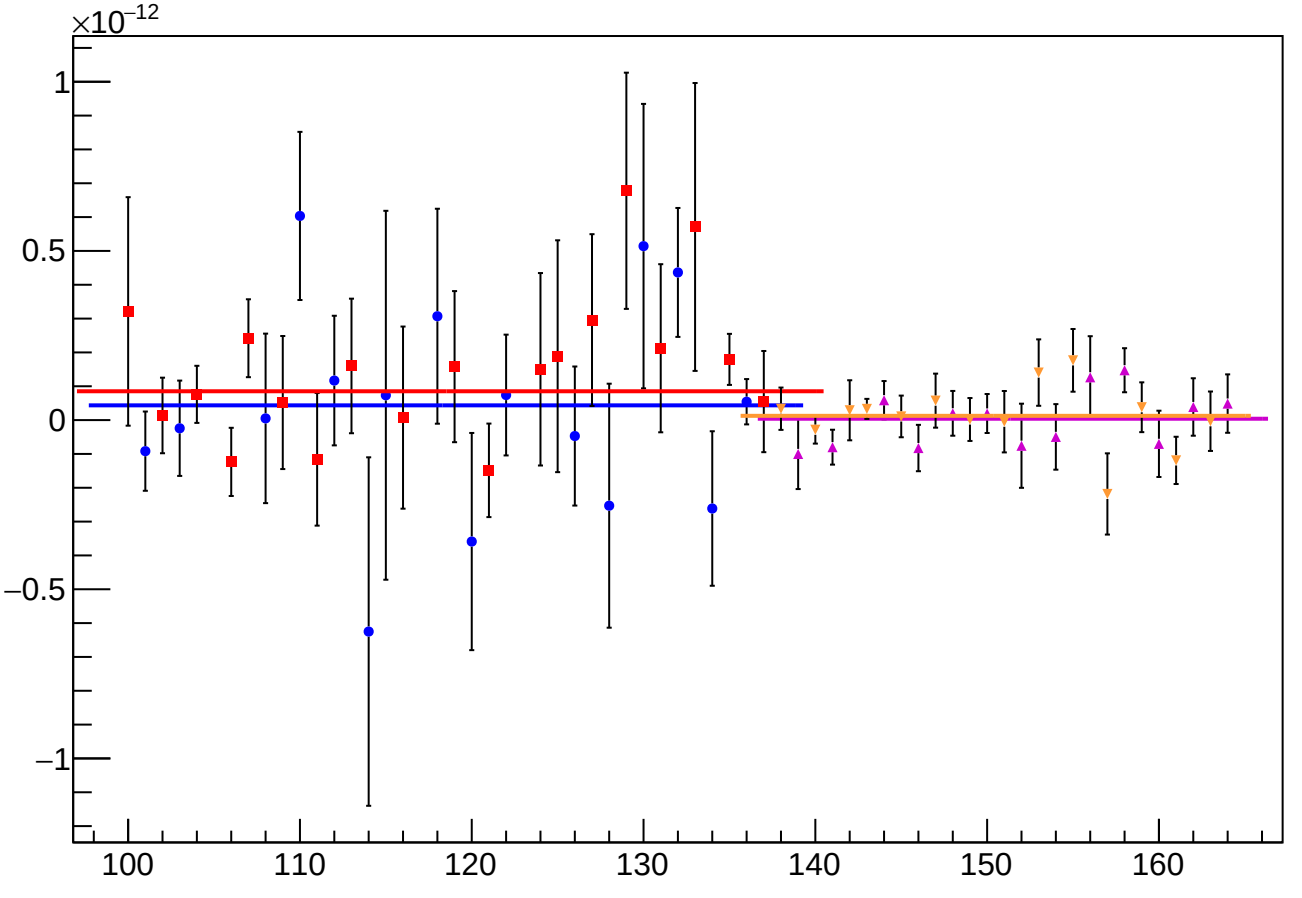
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 189.495+/-0.035 χ^2/NDF:5872926.3/28

Out: 177.463+/-0.034 χ^2/NDF:8619502.0/32

All: 183.338+/-0.024 χ^2/NDF: 14553384.3/61

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/12

Left: 0.000+/-0.000 χ^2/NDF: 28.3/26

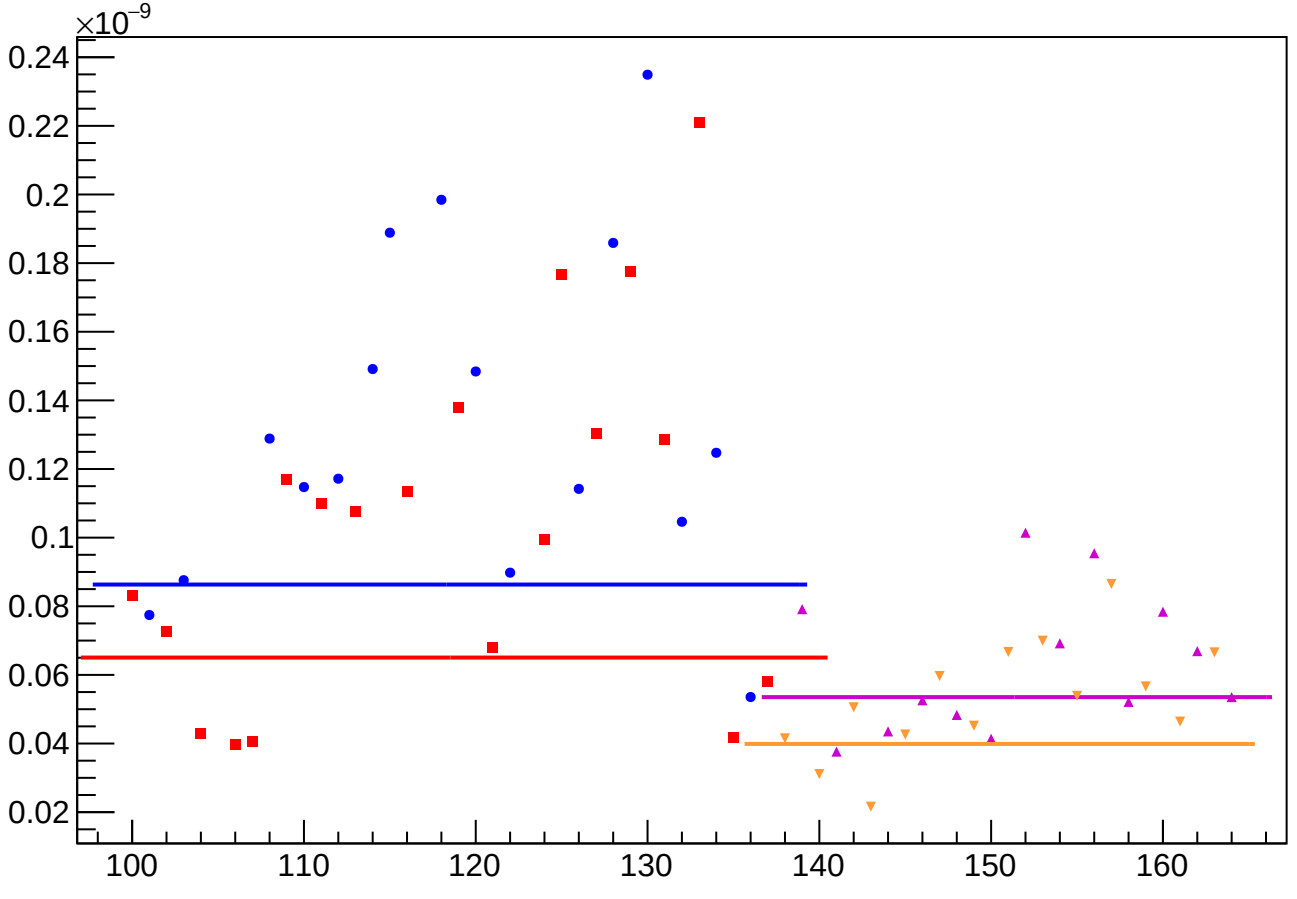
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.6/28

Out: 0.000+/-0.000 χ^2/NDF:36.1/32

All: 0.000+/-0.000 χ^2/NDF: 70.1/61

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2040794.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/12

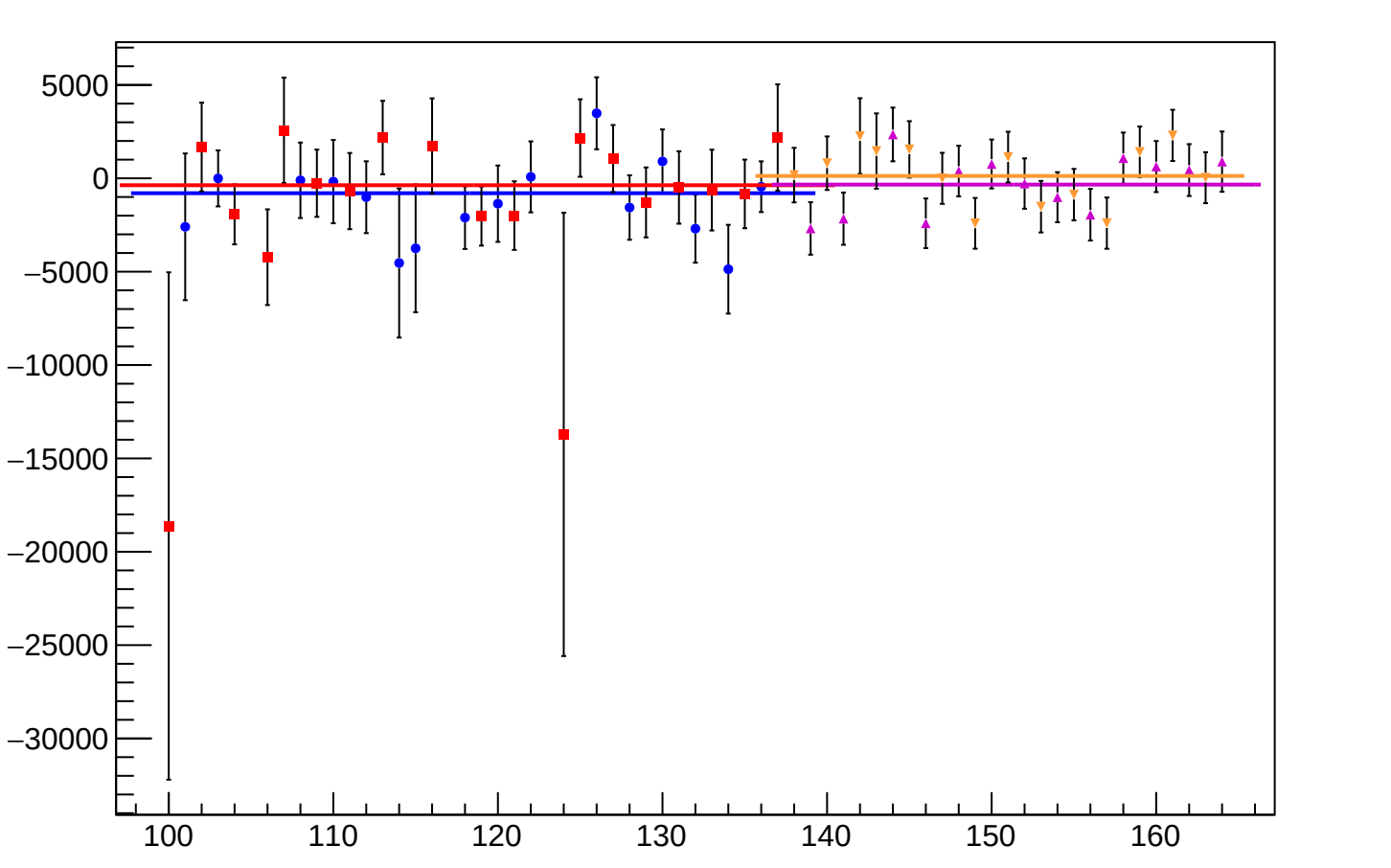
Left: 0.000+/-0.000 χ^2/NDF: 3823520.8/26

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3766306.7/28

Out: 0.000+/-0.000 χ^2/NDF:5079412.5/32

All: 0.000+/-0.000 χ^2/NDF: 9657677.9/61



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 126.774+/-386.589 χ^2/NDF:15.4/13

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -335.968+/-383.793 χ^2/NDF:15.5/12

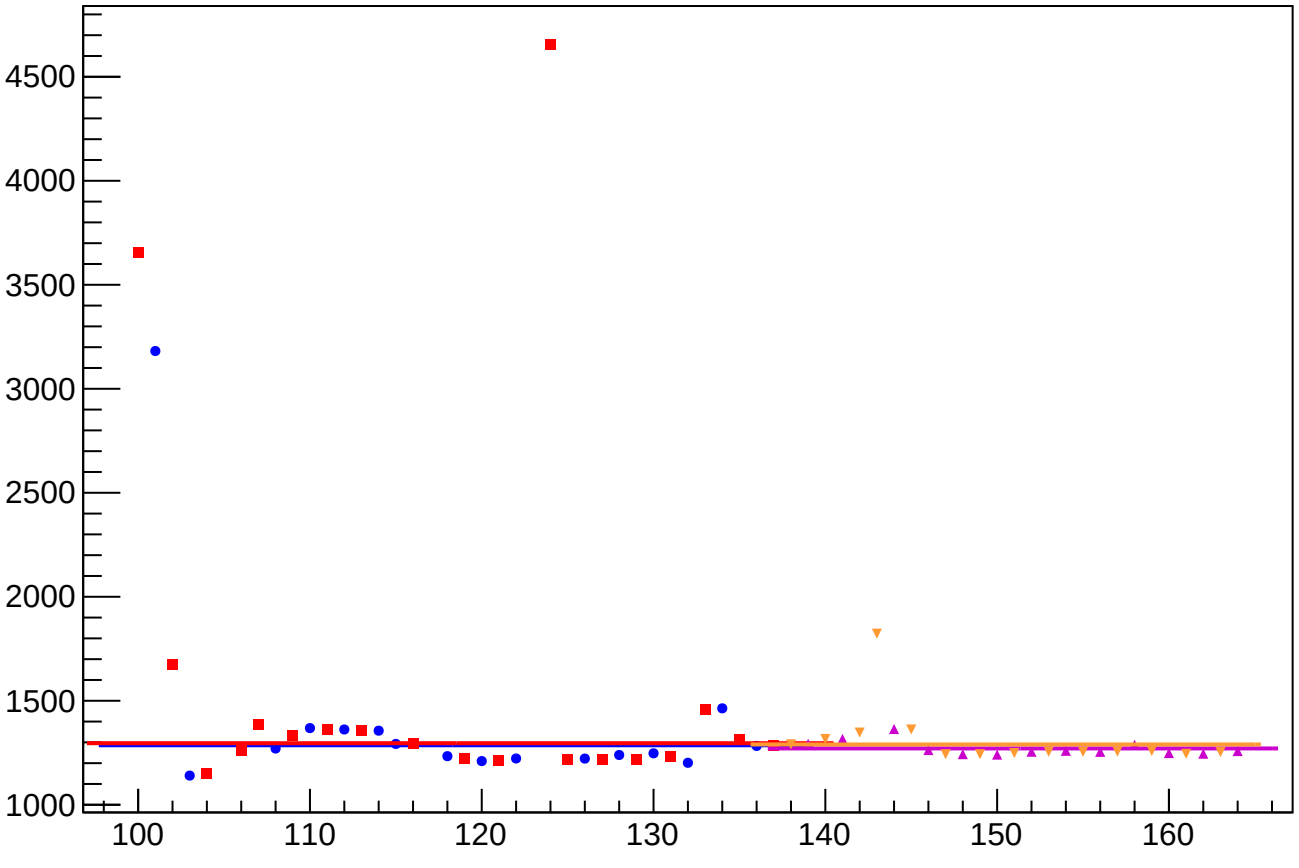
Left: -106.277+/-272.366 χ^2/NDF: 31.6/26

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -512.505+/-301.545 χ^2/NDF:29.4/28

Out: -65.831+/-302.503 χ^2/NDF:31.7/32

All: -289.877+/-213.562 χ^2/NDF: 62.2/61



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

Left: 1280.319+/-0.193 χ^2/NDF: 179099.2/26

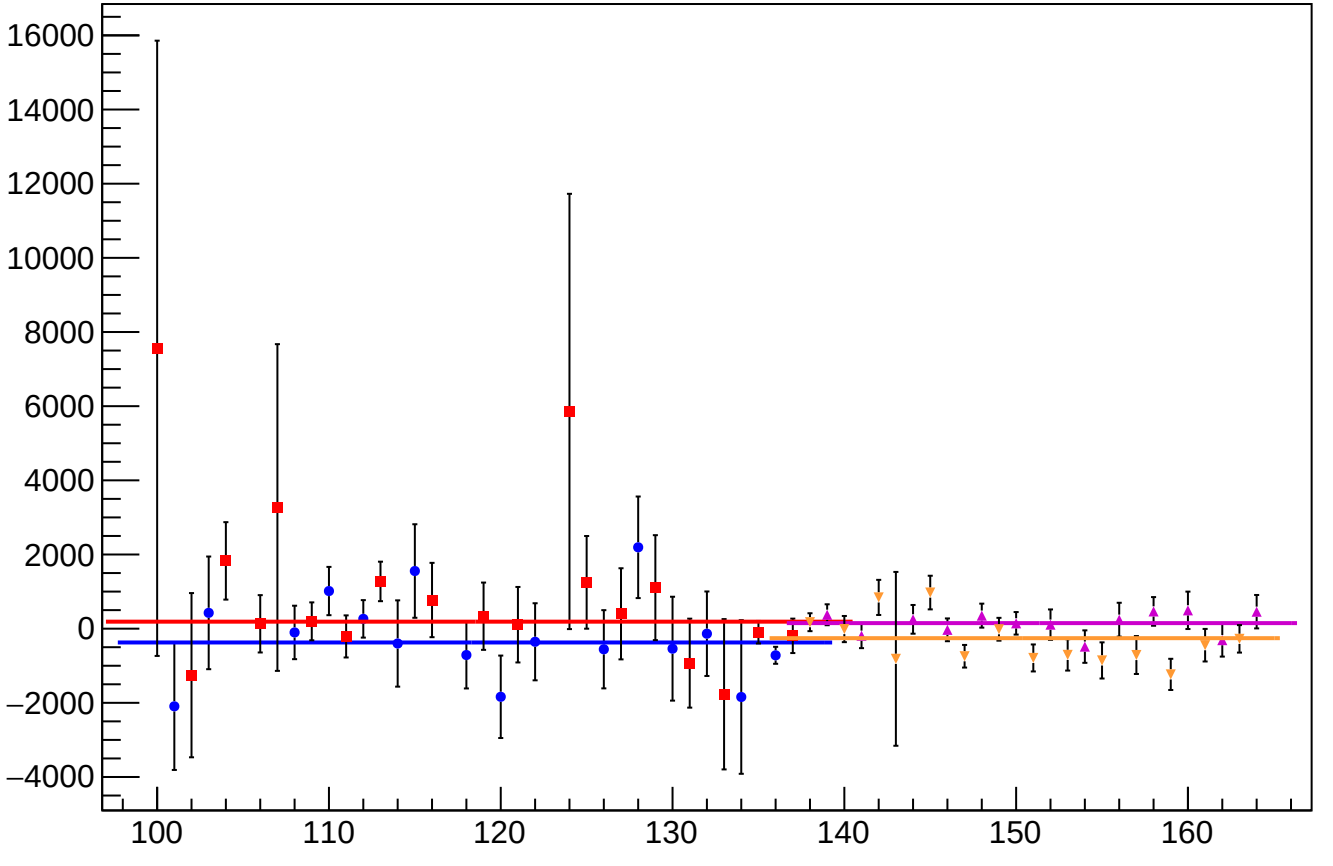
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1276.631+/-0.213 χ^2/NDF:534670.4/28

Out: 1292.313+/-0.214 χ^2/NDF:489531.6/32

All: 1284.447+/-0.151 χ^2/NDF: 1026898.2/61

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: -256.427+/-102.449 χ^2/NDF:30.8/13

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 149.808+/-102.223 χ^2/NDF:7.3/12

Left: -52.861+/-72.362 χ^2/NDF: 46.0/26

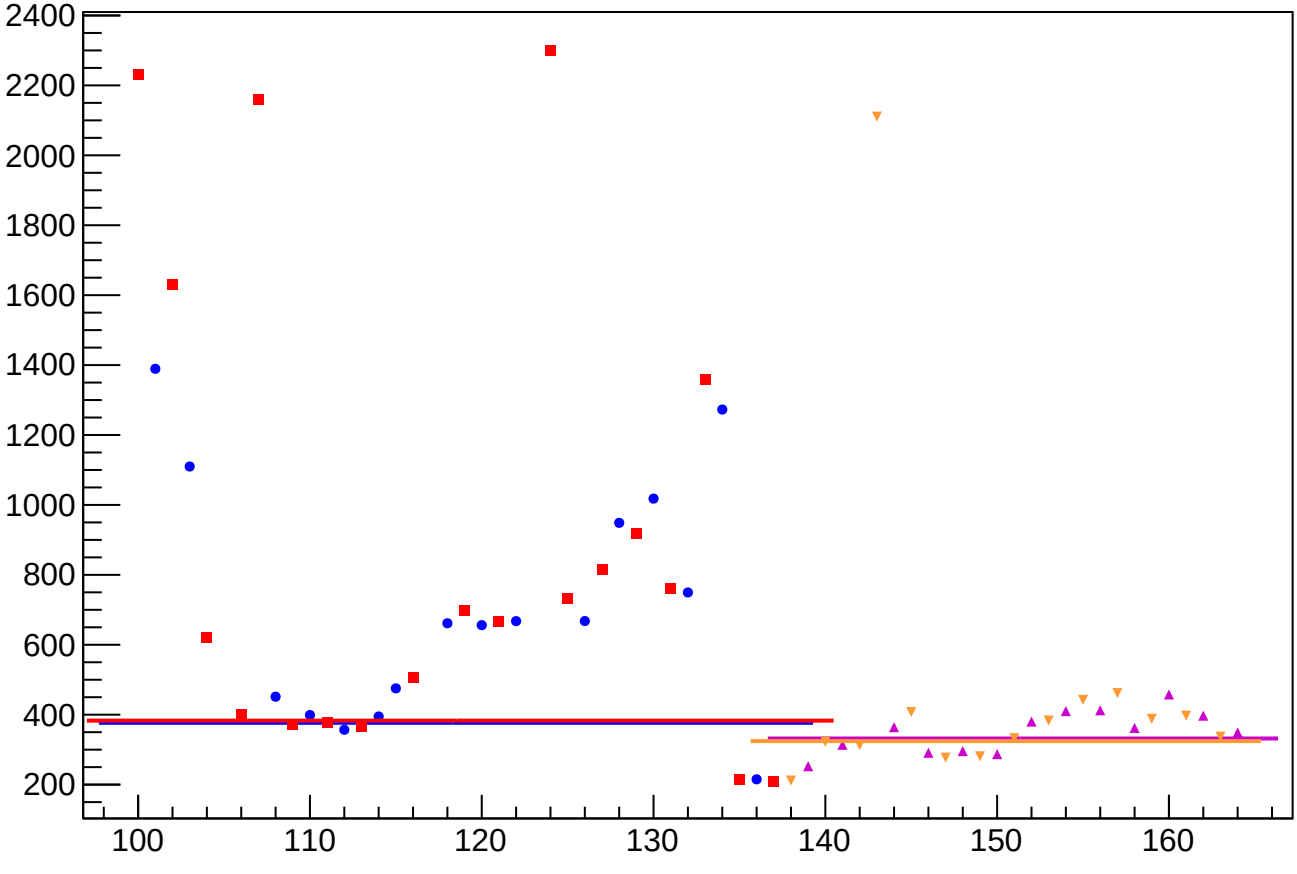
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 8.978+/-87.356 χ^2/NDF:32.5/28

Out: -137.336+/-87.688 χ^2/NDF:50.5/32

All: -63.902+/-61.887 χ^2/NDF: 84.4/61

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: 324.425+/-0.072 χ^2/NDF:2158928.8/13

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 331.945+/-0.072 χ^2/NDF:619139.1/12

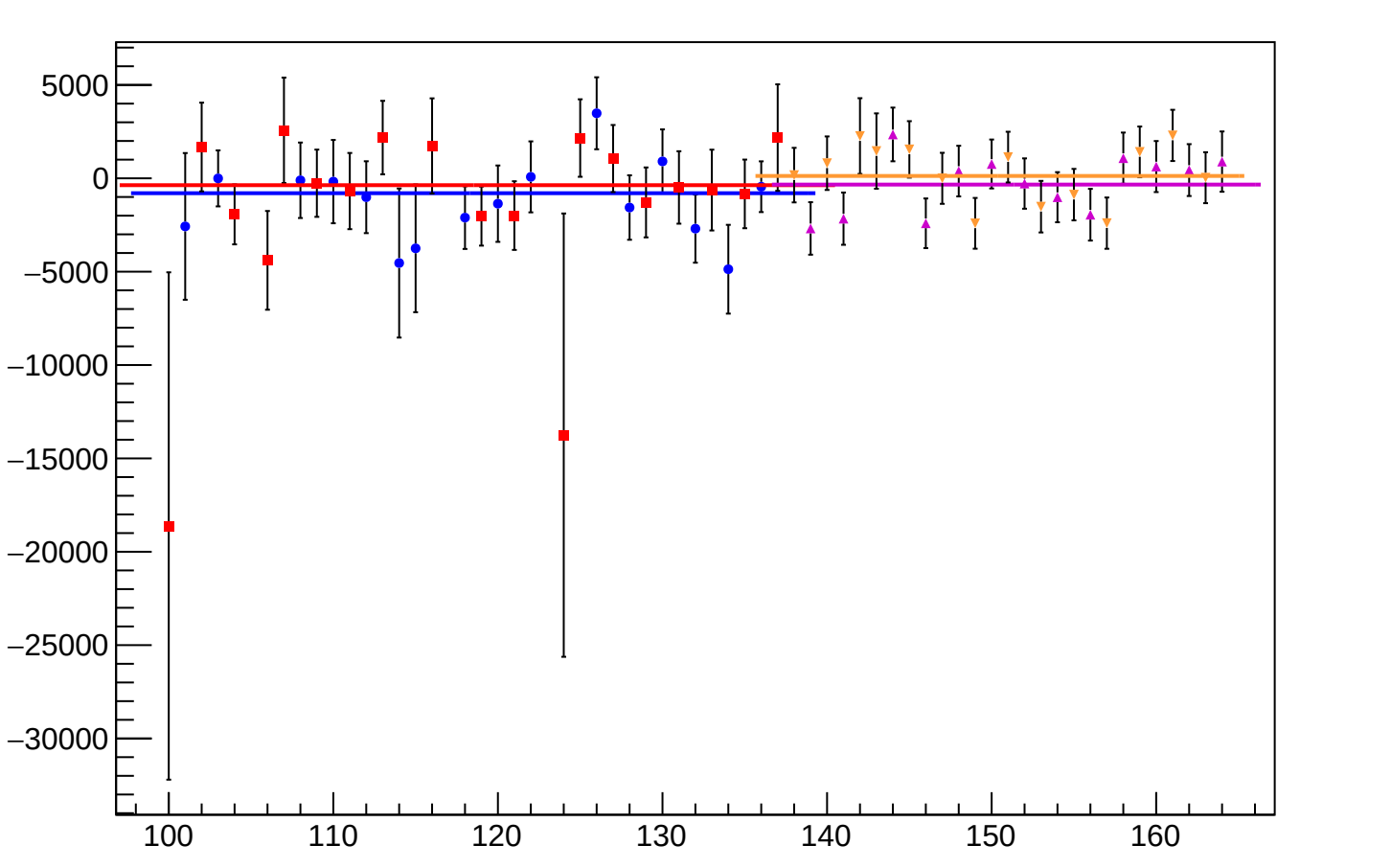
Left: 328.194+/-0.051 χ^2/NDF: 2783467.8/26

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 344.069+/-0.062 χ^2/NDF:4913626.3/28

Out: 340.108+/-0.062 χ^2/NDF:6388312.0/32

All: 342.096+/-0.044 χ^2/NDF: 11303986.4/61



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -335.915+/-383.793 χ^2/NDF:15.5/12

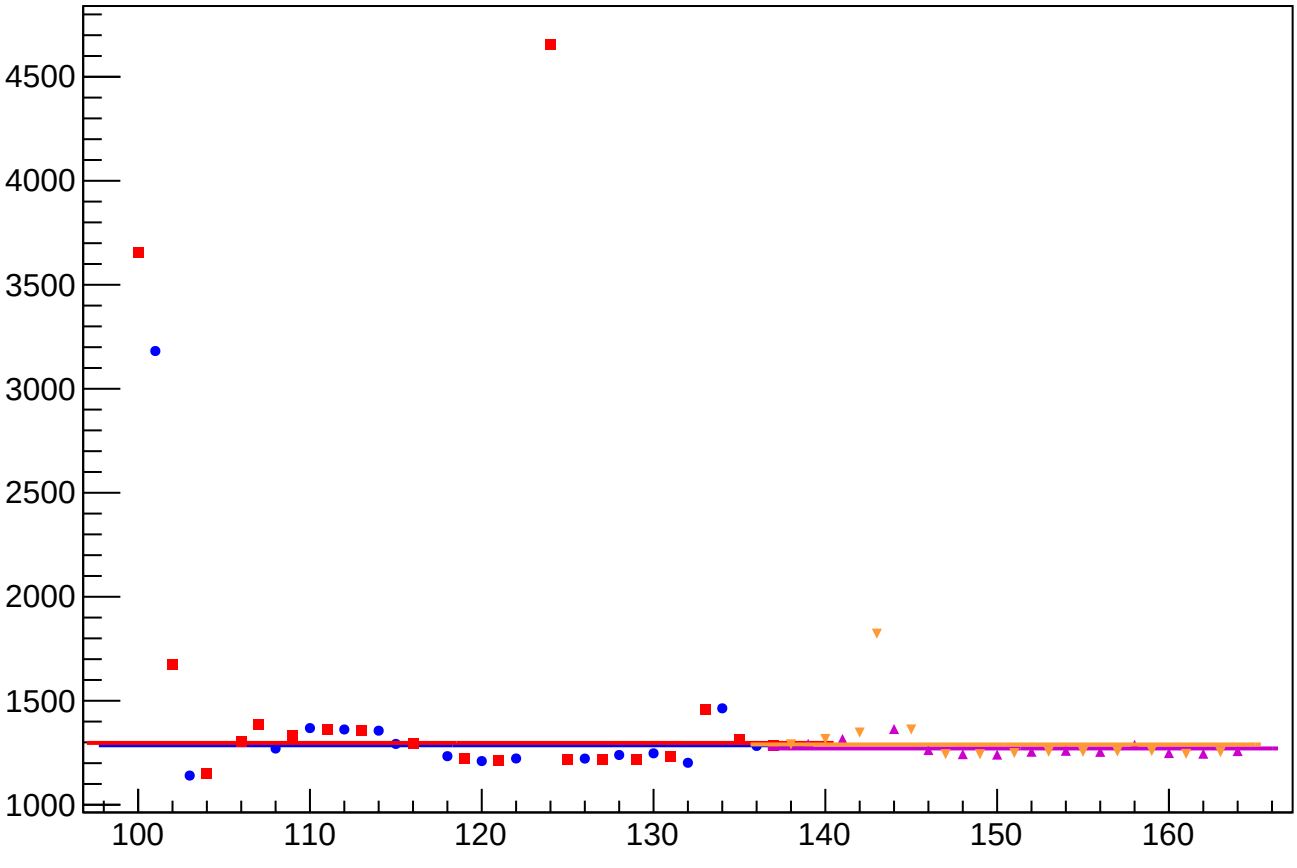
Left: -106.217+/-272.366 χ^2/NDF: 31.6/26

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -512.319+/-301.545 χ^2/NDF:29.4/28

Out: -64.556+/-302.630 χ^2/NDF:31.7/32

All: -289.241+/-213.607 χ^2/NDF: 62.3/61



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

Left: 1280.319+/-0.193 χ^2/NDF: 179099.2/26

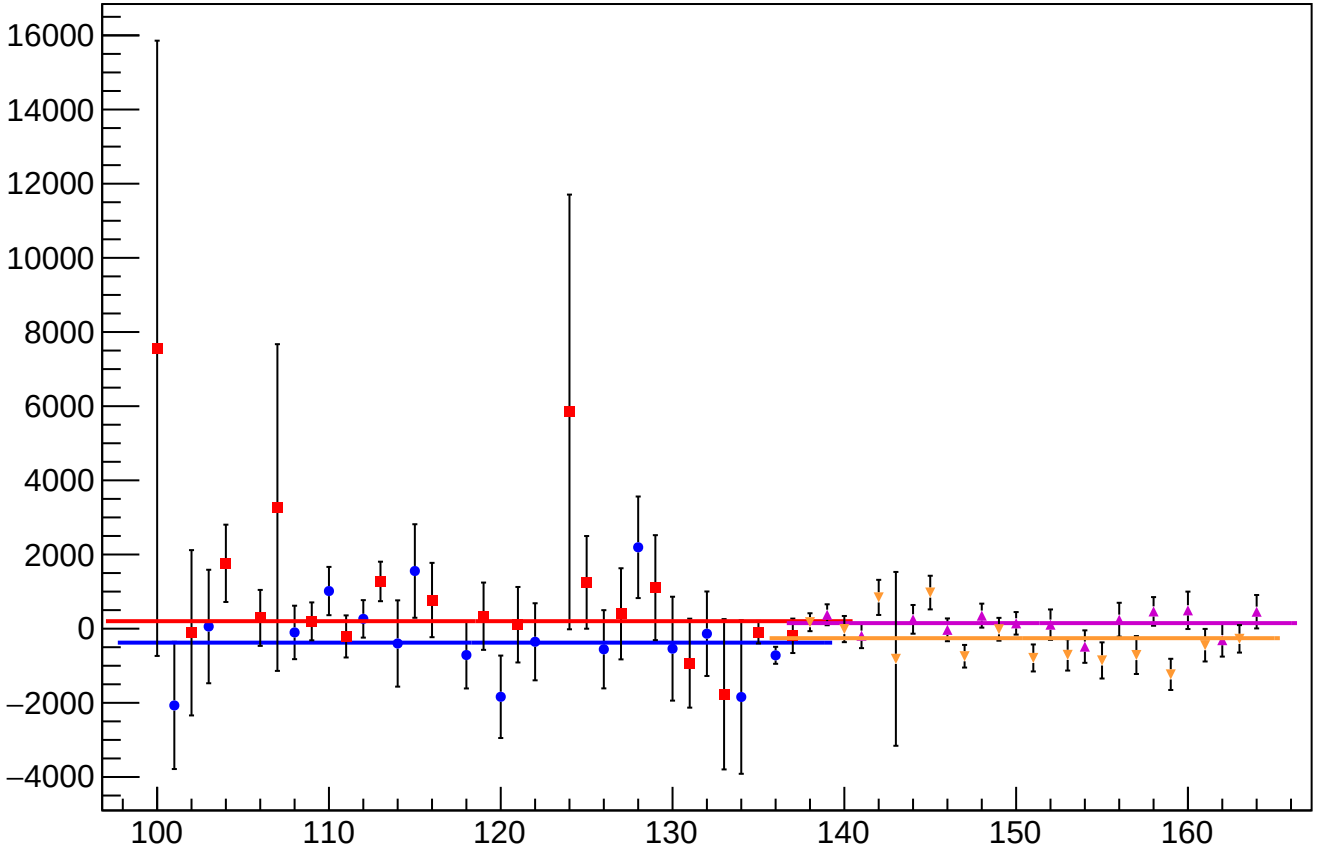
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1276.631+/-0.213 χ^2/NDF:534671.8/28

Out: 1292.872+/-0.214 χ^2/NDF:489303.2/32

All: 1284.722+/-0.151 χ^2/NDF: 1026865.6/61

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: -256.426+/-102.451 χ^2/NDF:30.8/13

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 149.813+/-102.223 χ^2/NDF:7.3/12

Left: -52.854+/-72.363 χ^2/NDF: 45.9/26

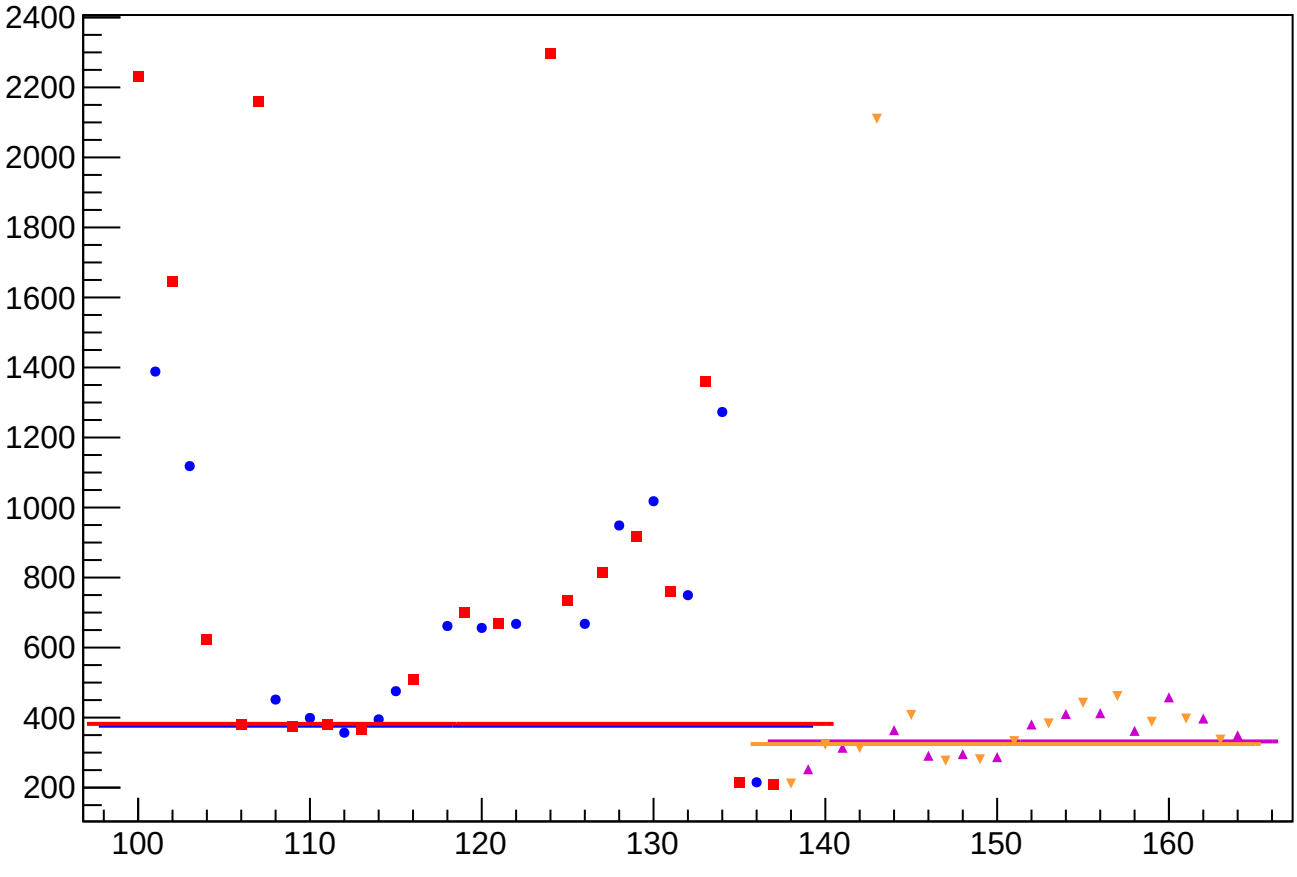
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 7.806+/-87.359 χ^2/NDF:32.4/28

Out: -133.592+/-87.662 χ^2/NDF:50.2/32

All: -62.648+/-61.879 χ^2/NDF: 83.9/61

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: 324.434+/-0.072 χ^2/NDF:2158816.7/13

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

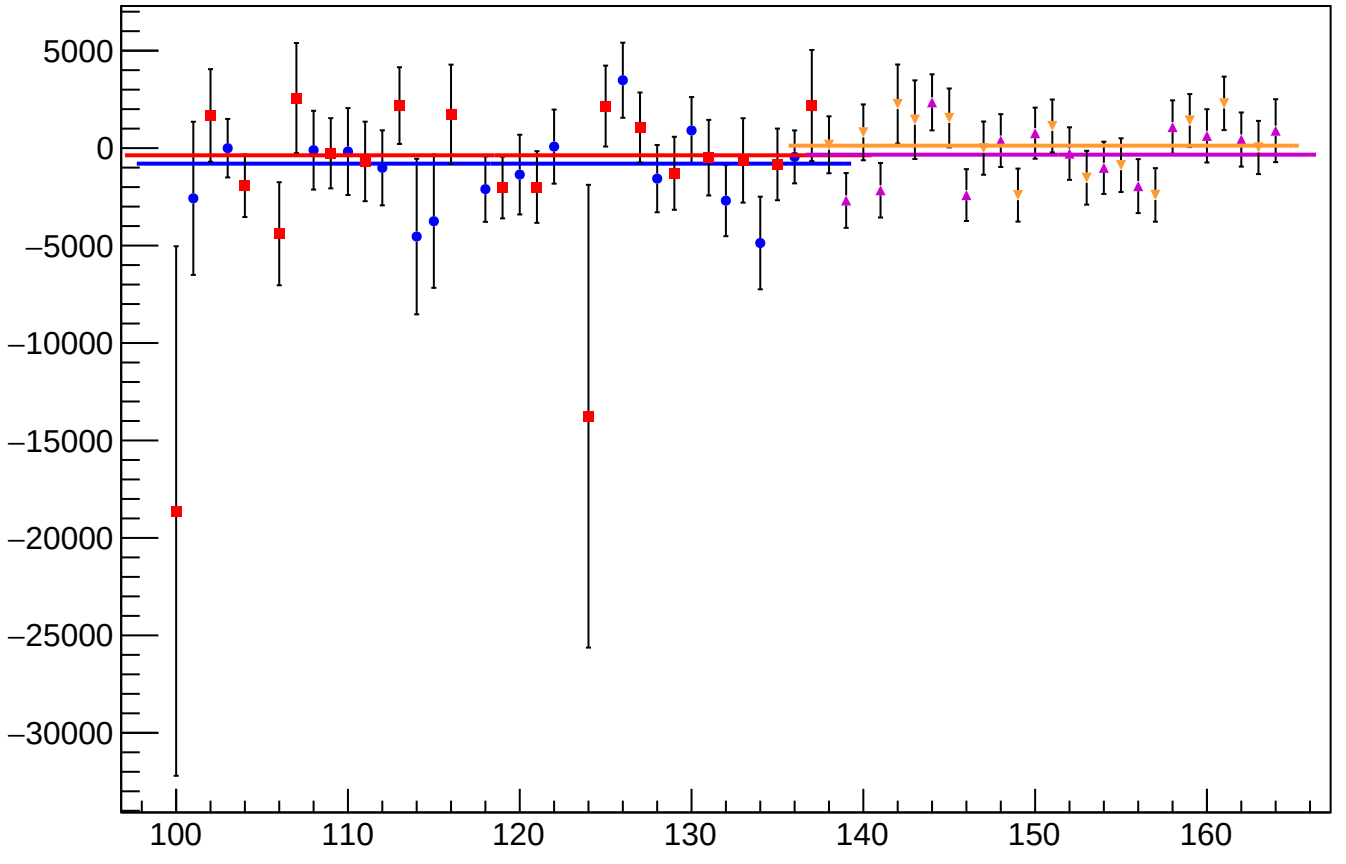
Left: 328.198+/-0.051 χ^2/NDF: 2783447.9/26

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 344.064+/-0.062 χ^2/NDF:4916807.2/28

Out: 339.890+/-0.062 χ^2/NDF:6388358.5/32

All: 341.984+/-0.044 χ^2/NDF: 11307440.8/61



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -335.915+/-383.793 χ^2/NDF:15.5/12

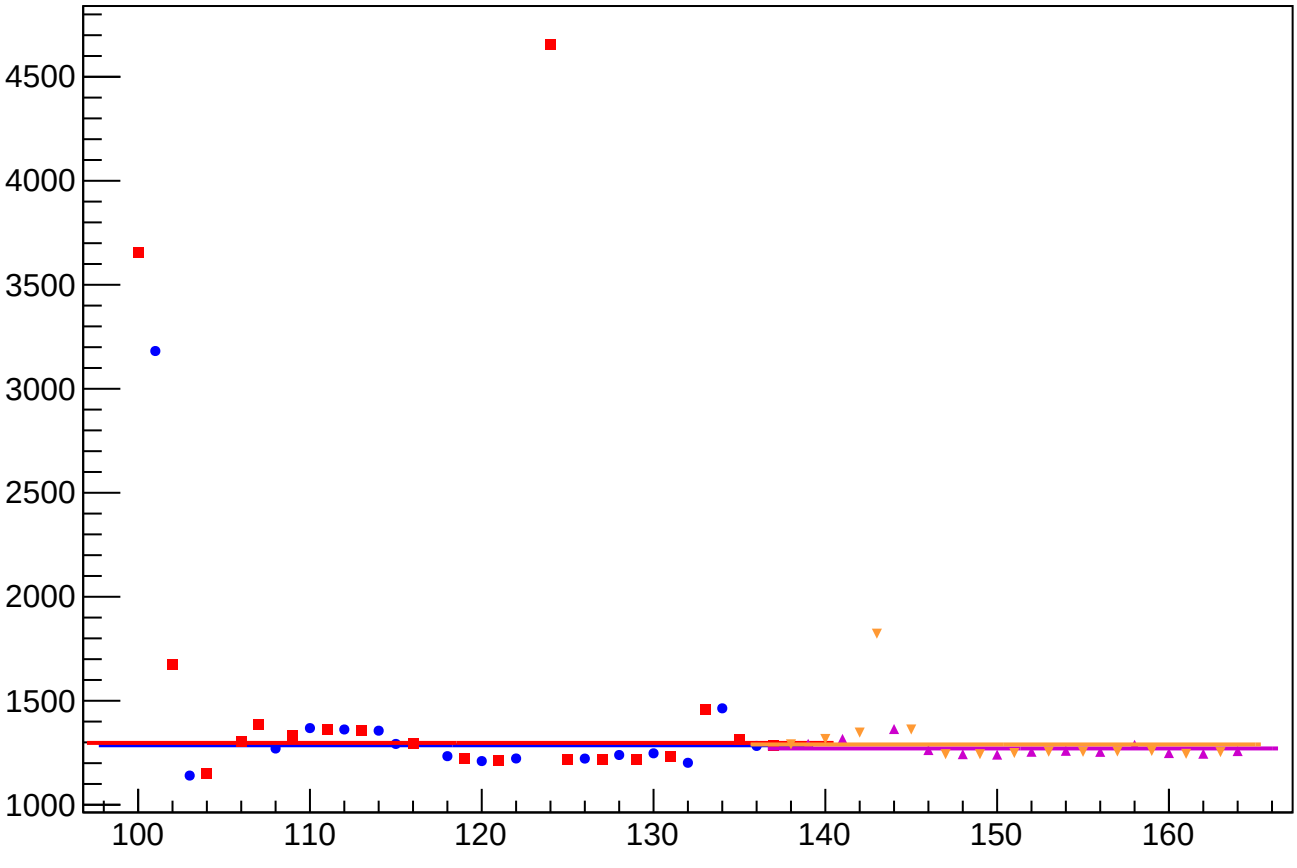
Left: -106.217+/-272.366 χ^2/NDF: 31.6/26

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -512.319+/-301.545 χ^2/NDF:29.4/28

Out: -64.556+/-302.630 χ^2/NDF:31.7/32

All: -289.241+/-213.607 χ^2/NDF: 62.3/61



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1270.763+/-0.271 χ^2/NDF:15321.7/12

Left: 1280.319+/-0.193 χ^2/NDF: 179099.2/26

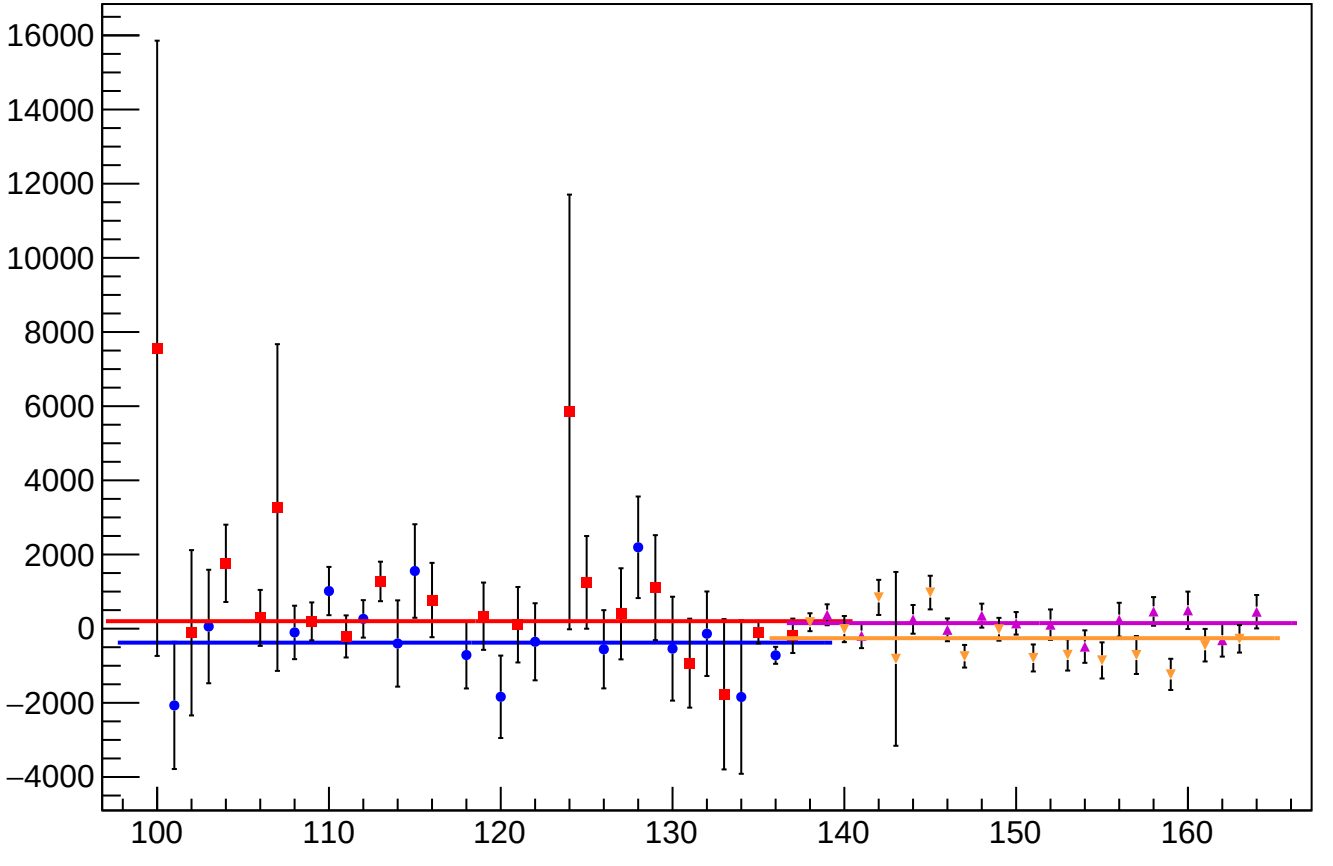
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1276.631+/-0.213 χ^2/NDF:534671.8/28

Out: 1292.872+/-0.214 χ^2/NDF:489303.2/32

All: 1284.722+/-0.151 χ^2/NDF: 1026865.6/61

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: -256.426+/-102.451 χ^2/NDF:30.8/13

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 149.813+/-102.223 χ^2/NDF:7.3/12

Left: -52.854+/-72.363 χ^2/NDF: 45.9/26

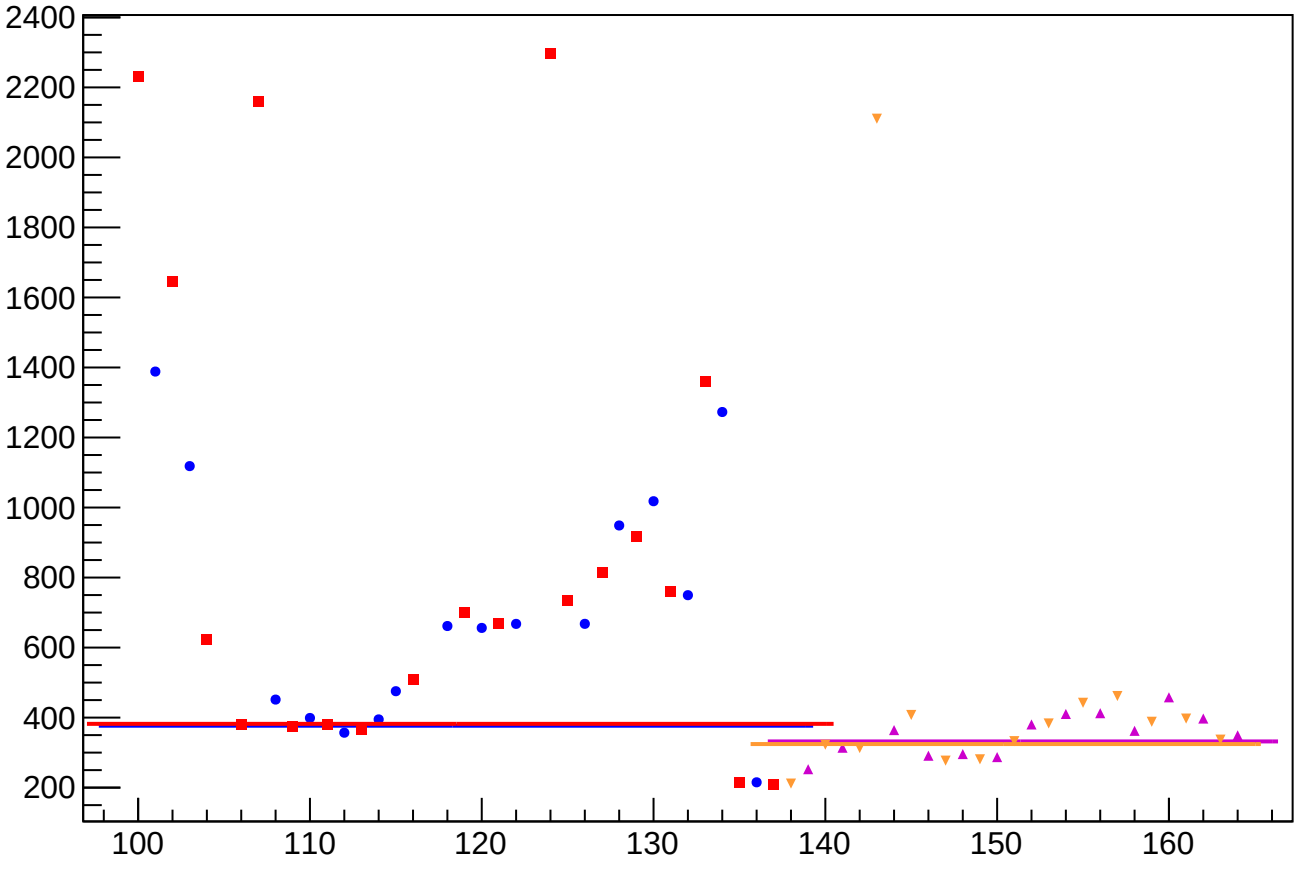
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 7.806+/-87.359 χ^2/NDF:32.4/28

Out: -133.592+/-87.662 χ^2/NDF:50.2/32

All: -62.648+/-61.879 χ^2/NDF: 83.9/61

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: 324.434+/-0.072 χ^2/NDF:2158816.7/13

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.945+/-0.072 χ^2/NDF:619243.7/12

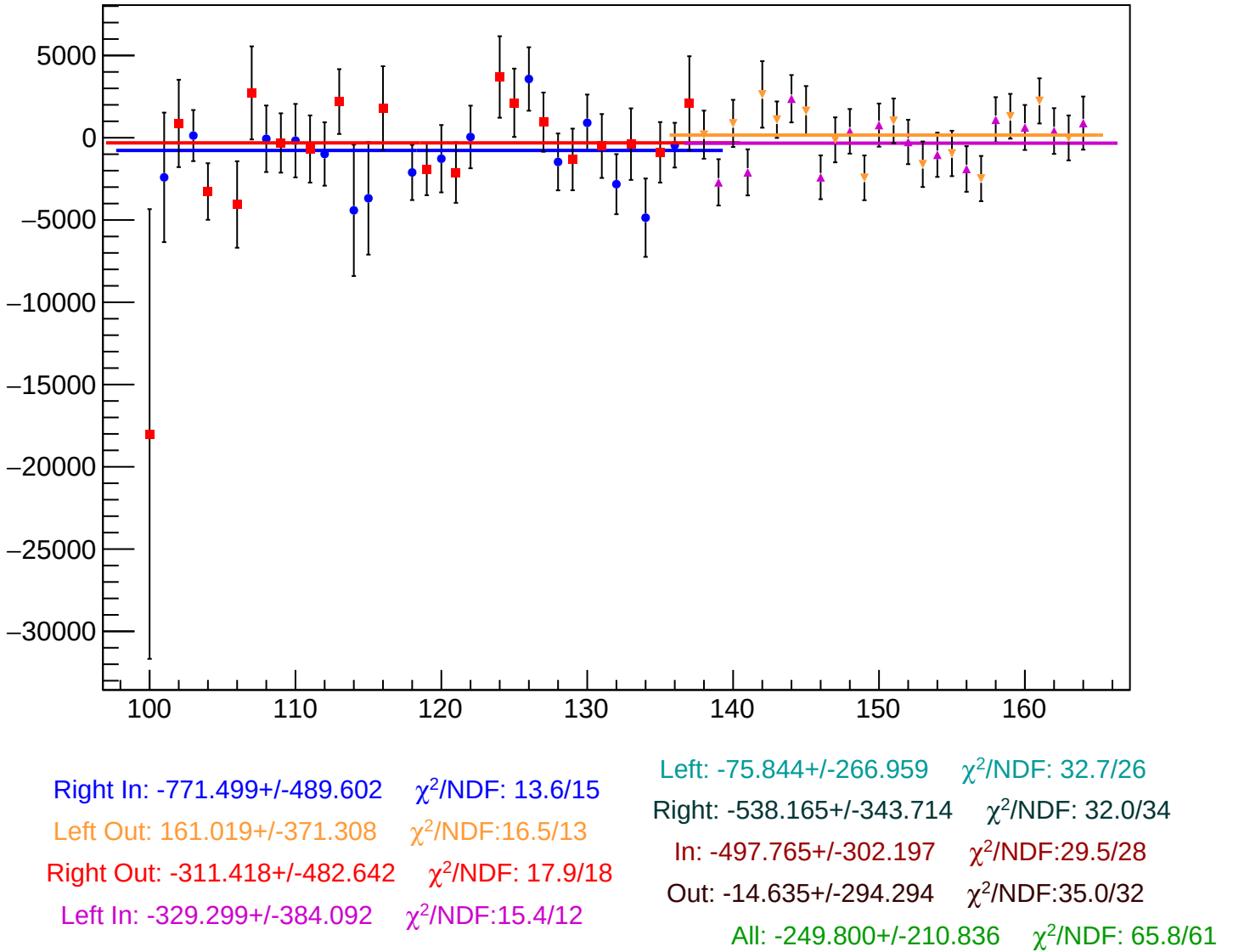
Left: 328.198+/-0.051 χ^2/NDF: 2783447.9/26

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

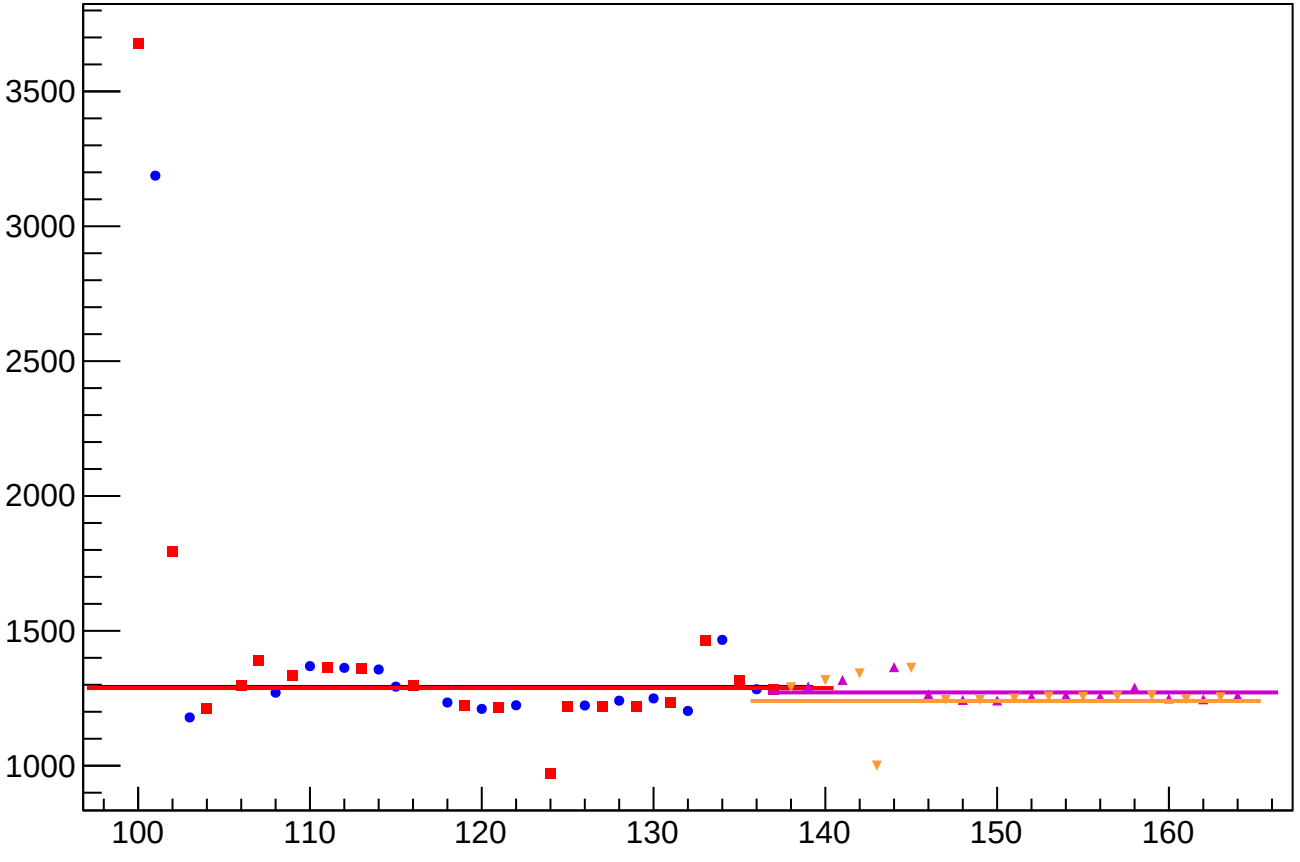
In: 344.064+/-0.062 χ^2/NDF:4916807.2/28

Out: 339.890+/-0.062 χ^2/NDF:6388358.5/32

All: 341.984+/-0.044 χ^2/NDF: 11307440.8/61


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
160
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 161.019+/-371.308 χ²/NDF:16.5/13
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -329.299+/-384.092 χ²/NDF:15.4/12
Left: -75.844+/-266.959 χ²/NDF: 32.7/26
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -497.765+/-302.197 χ²/NDF:29.5/28
Out: -14.635+/-294.294 χ²/NDF:35.0/32
All: -249.800+/-210.836 χ²/NDF: 65.8/61

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.090+/-0.263 χ^2/NDF:121918.0/13

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

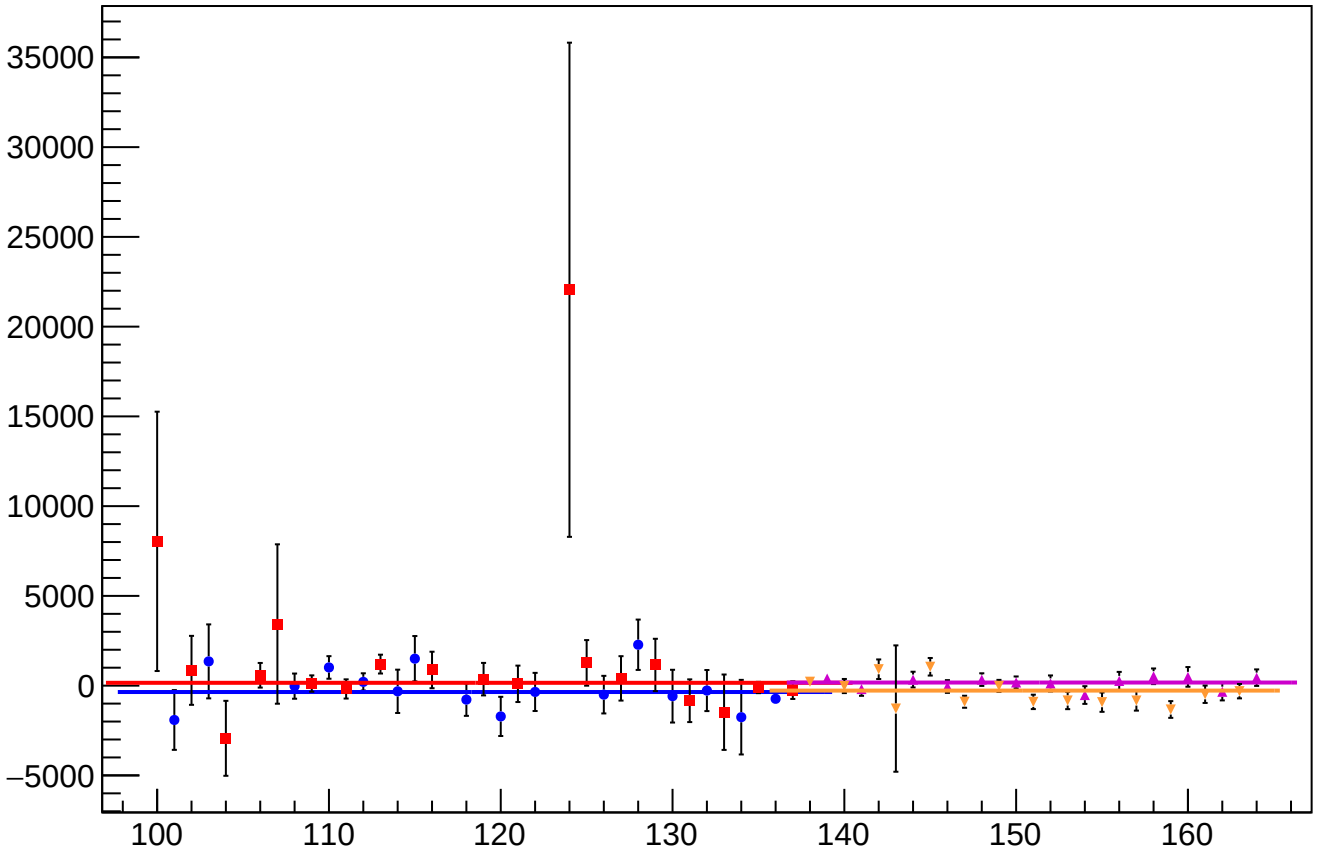
Left: 1255.383+/-0.189 χ^2/NDF: 144350.4/26

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1279.478+/-0.214 χ^2/NDF:526941.4/28

Out: 1257.899+/-0.208 χ^2/NDF:343501.1/32

All: 1268.402+/-0.149 χ^2/NDF: 875676.6/61



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -275.158+/-111.113 χ^2/NDF:32.2/13

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 173.598+/-111.097 χ^2/NDF:6.8/12

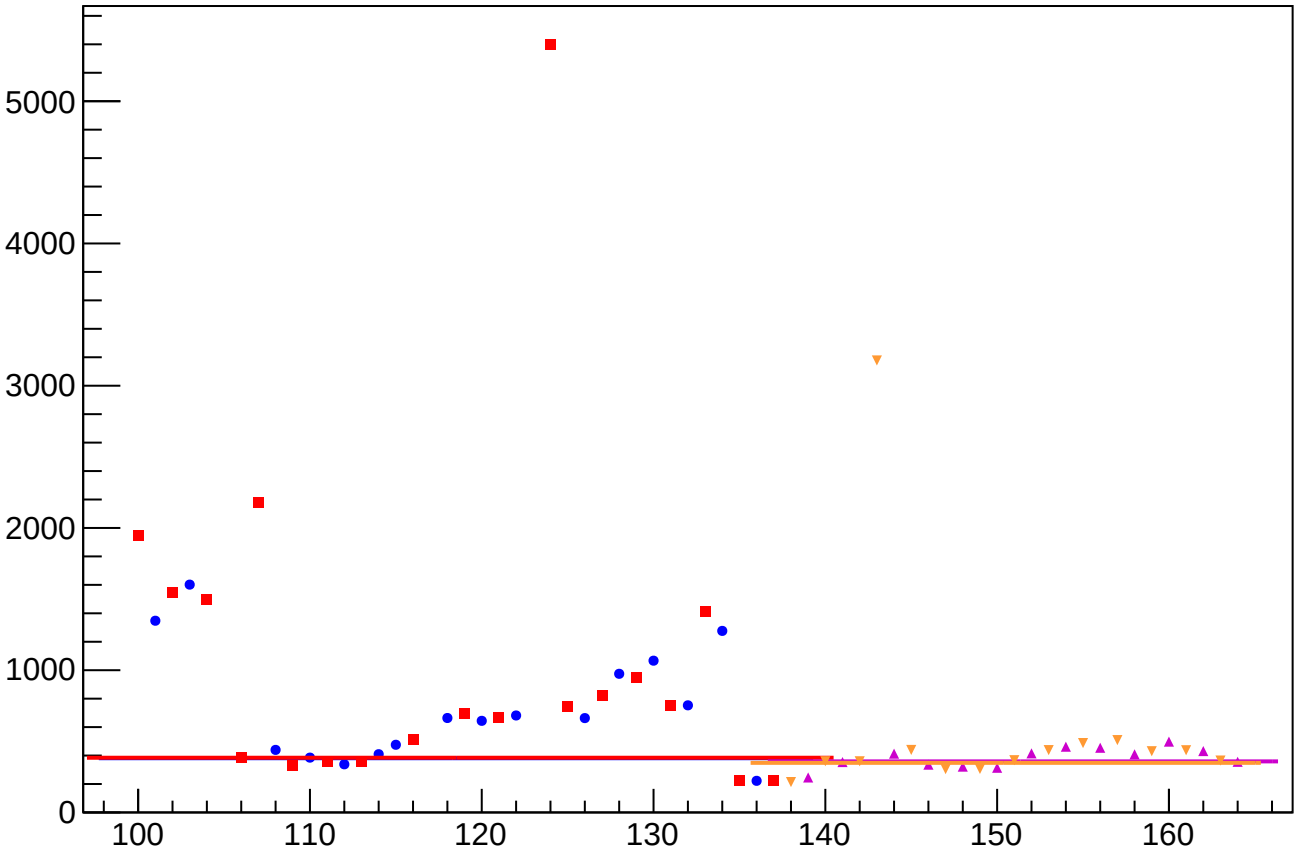
Left: -50.747+/-78.563 χ^2/NDF: 47.2/26

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 15.300+/-92.994 χ^2/NDF:32.0/28

Out: -145.165+/-92.954 χ^2/NDF:52.6/32

All: -64.967+/-65.742 χ^2/NDF: 86.1/61



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 348.822+/-0.079 χ^2/NDF:2546282.1/13

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 359.015+/-0.079 χ^2/NDF:823721.0/12

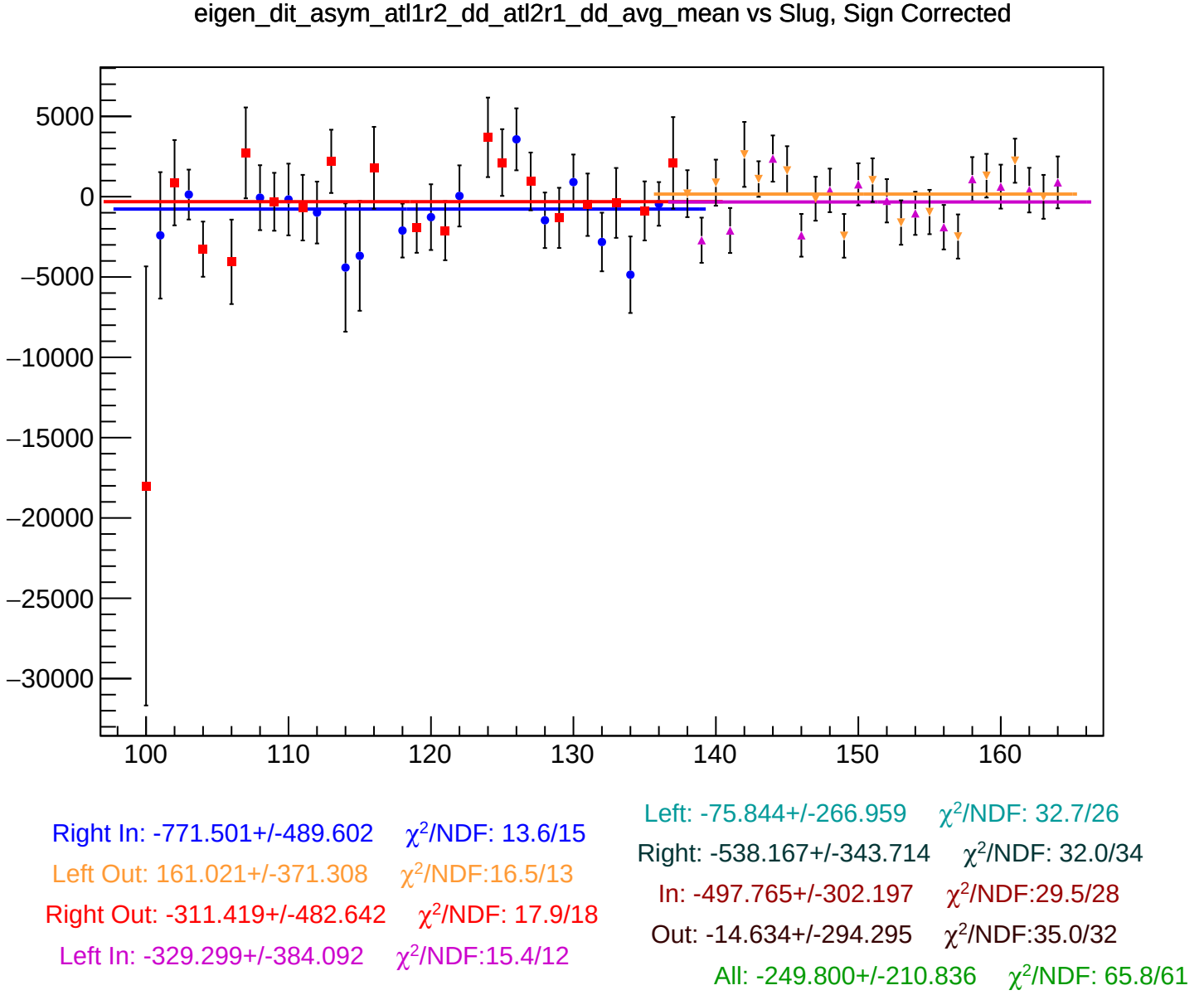
Left: 353.919+/-0.056 χ^2/NDF: 3378419.1/26

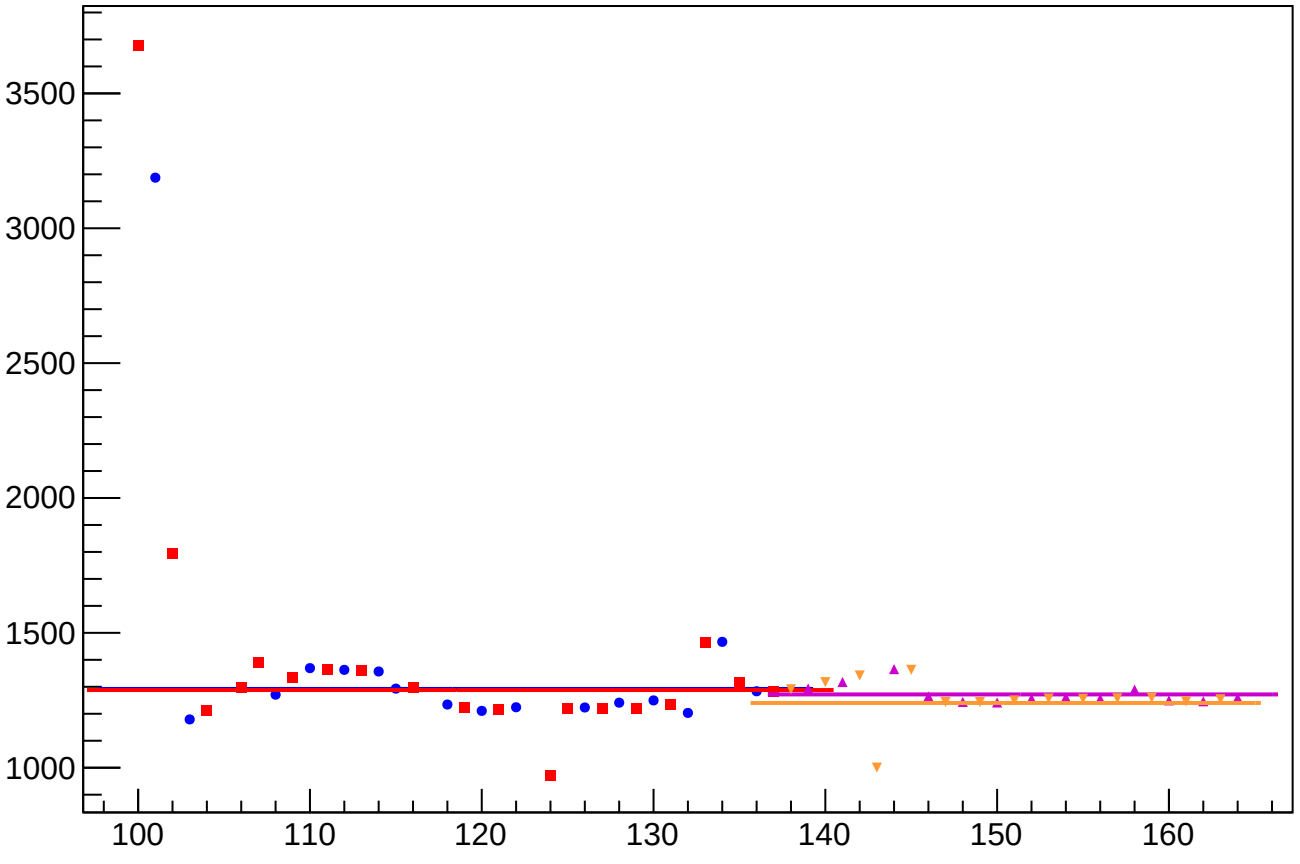
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 365.700+/-0.066 χ^2/NDF:5165839.4/28

Out: 359.576+/-0.066 χ^2/NDF:7168908.5/32

All: 362.637+/-0.046 χ^2/NDF: 12339086.5/61


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
160
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 161.021+/-371.308 χ²/NDF:16.5/13
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -329.299+/-384.092 χ²/NDF:15.4/12
Left: -75.844+/-266.959 χ²/NDF: 32.7/26
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -497.765+/-302.197 χ²/NDF:29.5/28
Out: -14.634+/-294.295 χ²/NDF:35.0/32
All: -249.800+/-210.836 χ²/NDF: 65.8/61



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.090+/-0.263 χ^2/NDF:121917.2/13

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1271.748+/-0.272 χ^2/NDF:15408.9/12

Left: 1255.383+/-0.189 χ^2/NDF: 144349.6/26

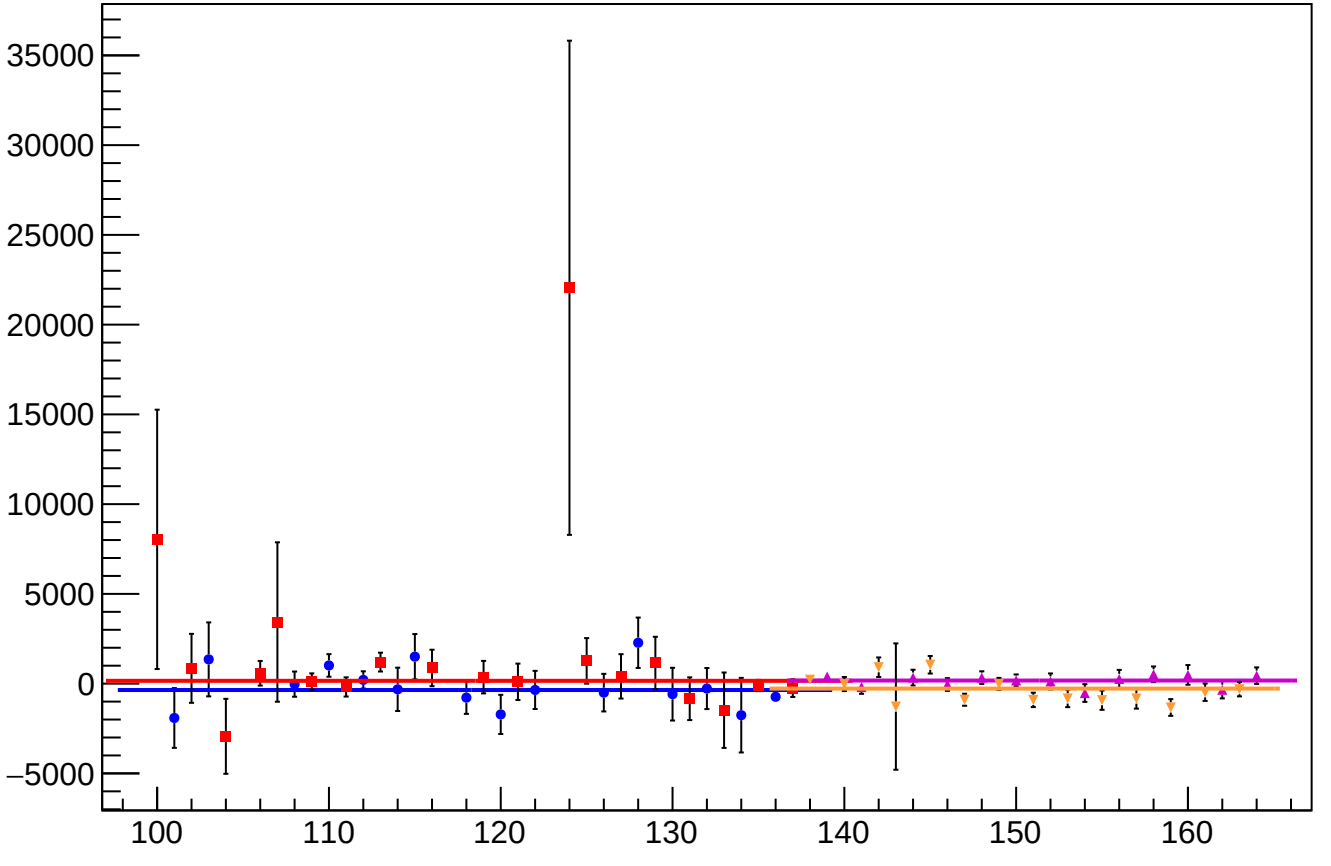
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1279.478+/-0.214 χ^2/NDF:526941.4/28

Out: 1257.899+/-0.208 χ^2/NDF:343500.5/32

All: 1268.403+/-0.149 χ^2/NDF: 875676.0/61

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: -275.168+/-111.115 χ^2/NDF:32.2/13

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 173.598+/-111.098 χ^2/NDF:6.8/12

Left: -50.751+/-78.564 χ^2/NDF: 47.2/26

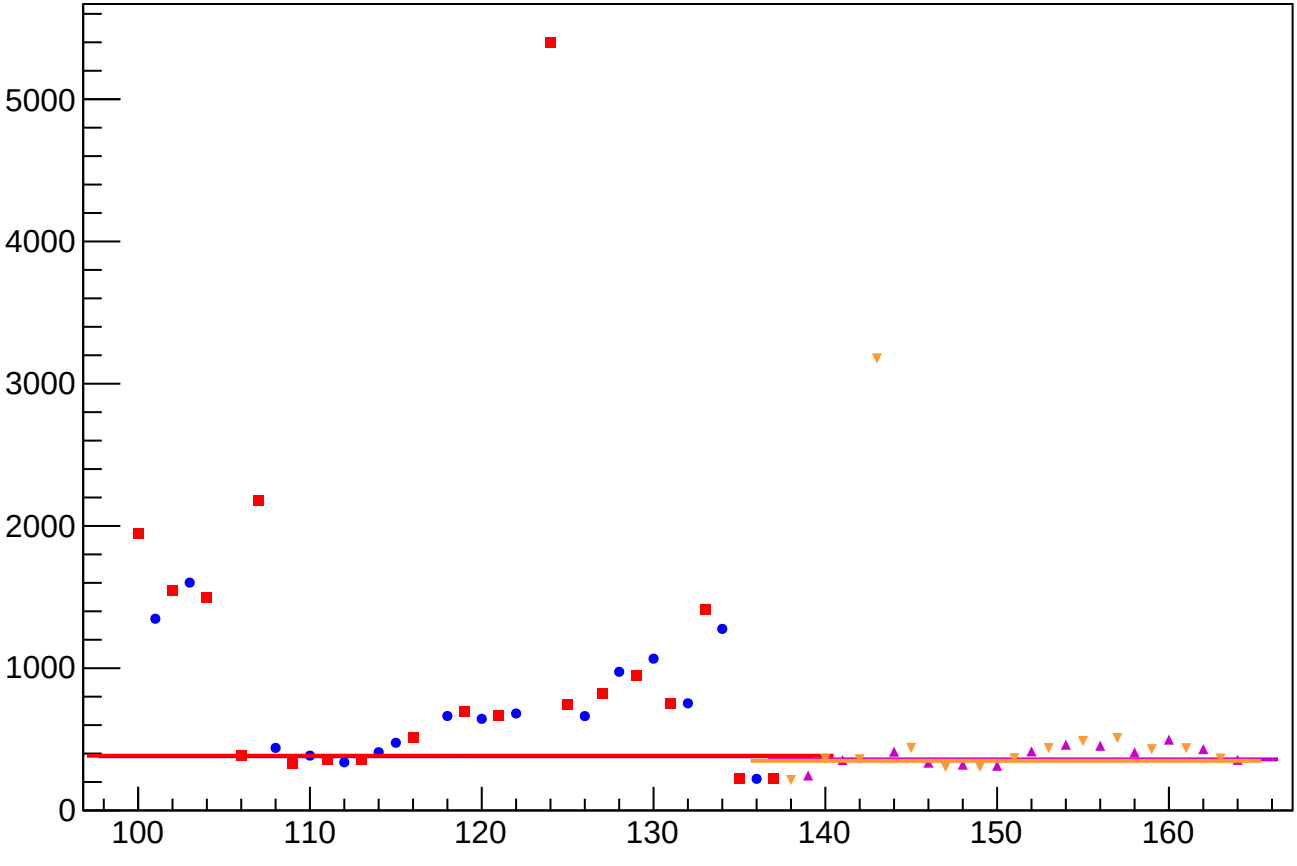
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 15.302+/-92.995 χ^2/NDF:32.0/28

Out: -145.171+/-92.955 χ^2/NDF:52.6/32

All: -64.969+/-65.743 χ^2/NDF: 86.1/61

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: 348.827+/-0.079 χ^2/NDF:2546099.4/13

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 359.018+/-0.079 χ^2/NDF:823611.7/12

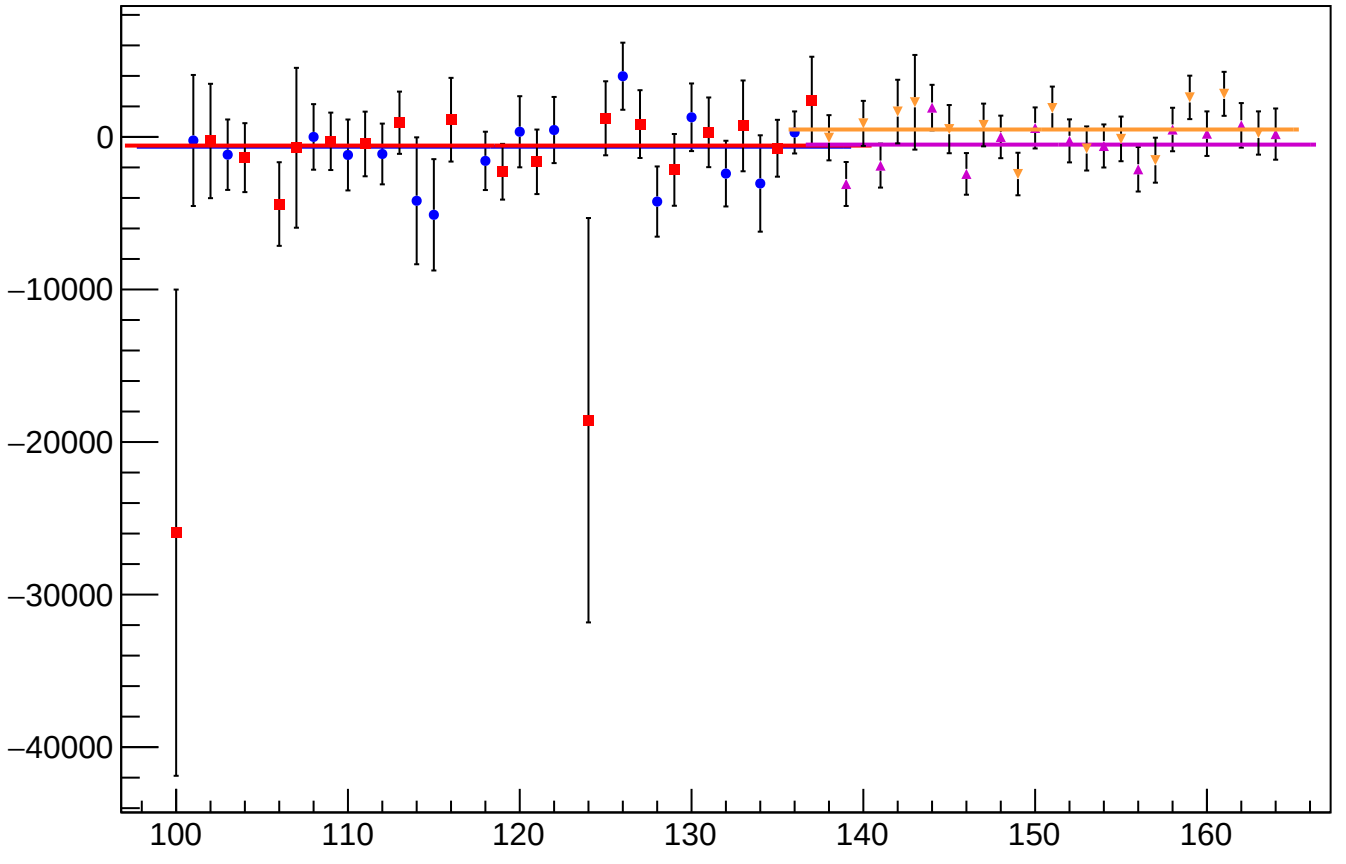
Left: 353.924+/-0.056 χ^2/NDF: 3378124.3/26

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 365.706+/-0.066 χ^2/NDF:5165557.5/28

Out: 359.582+/-0.066 χ^2/NDF:7168592.2/32

All: 362.643+/-0.046 χ^2/NDF: 12338487.5/61



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 487.328+/-406.480 χ^2/NDF:13.9/13

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -503.721+/-399.228 χ^2/NDF:12.4/12

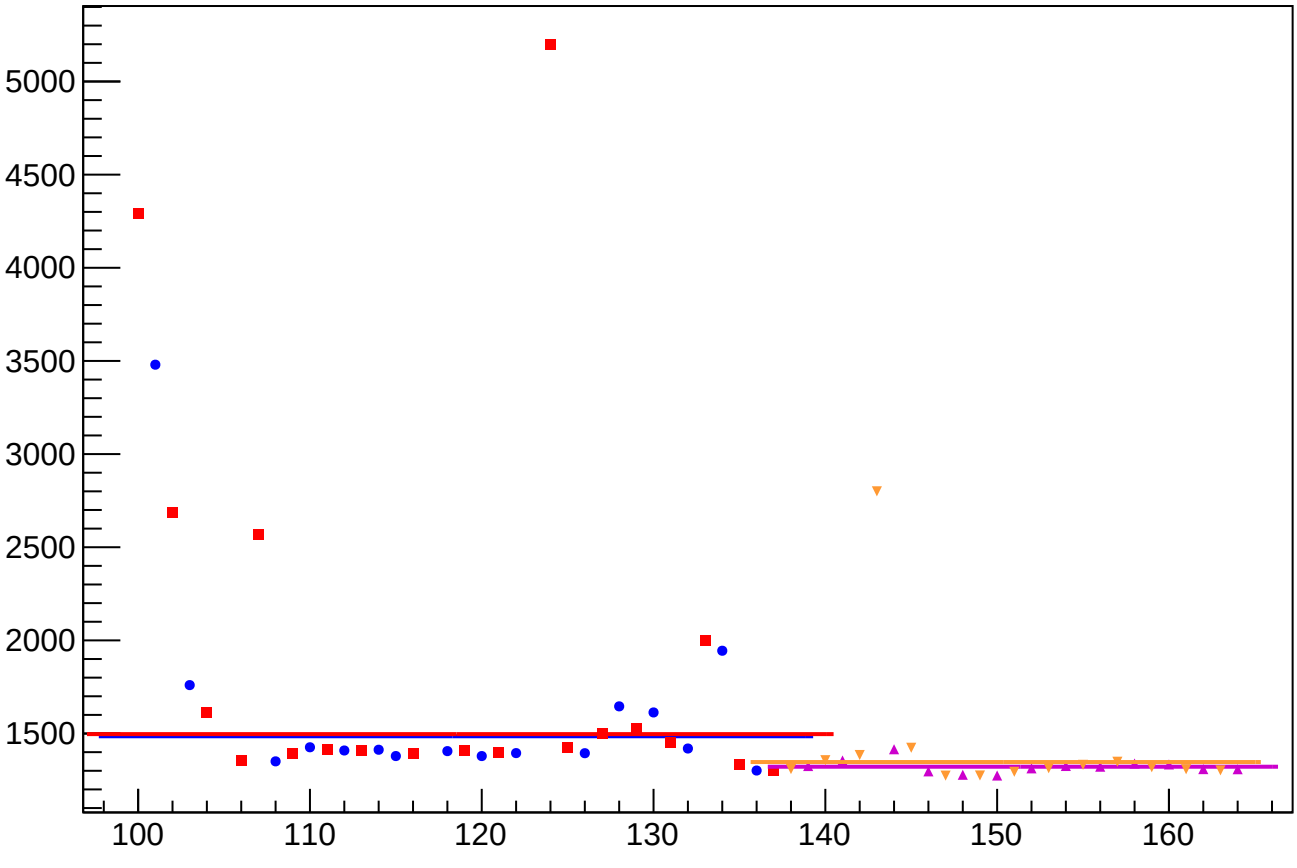
Left: -17.116+/-284.826 χ^2/NDF: 29.4/26

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -549.446+/-325.924 χ^2/NDF:25.0/28

Out: 129.139+/-330.313 χ^2/NDF:27.5/32

All: -214.692+/-231.999 χ^2/NDF: 54.6/61



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1347.004+/-0.287 χ^2/NDF:464274.6/13

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1321.840+/-0.282 χ^2/NDF:14847.2/12

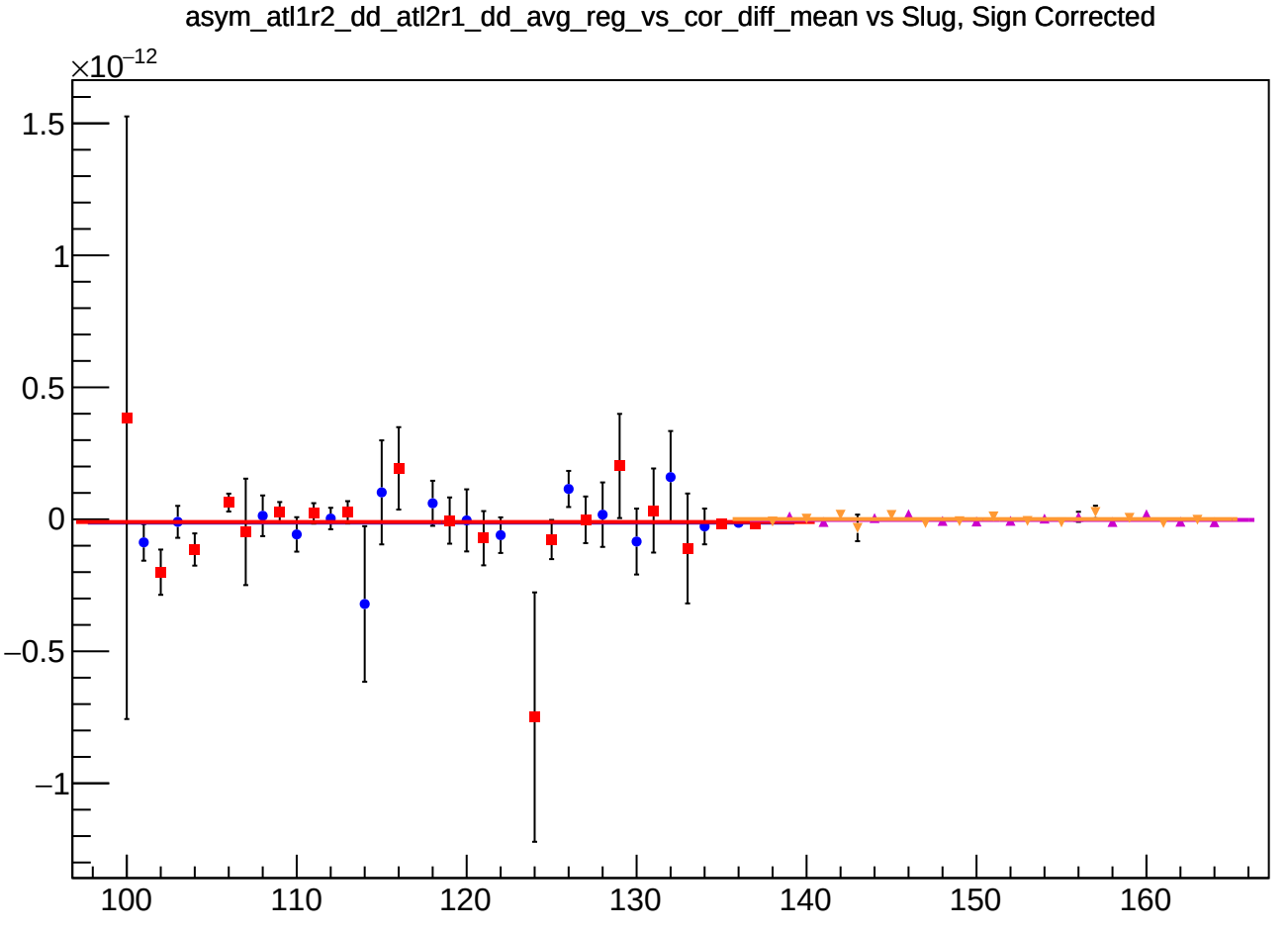
Left: 1334.196+/-0.201 χ^2/NDF: 483023.3/26

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1376.380+/-0.230 χ^2/NDF:711234.3/28

Out: 1397.905+/-0.234 χ^2/NDF:1179902.1/32

All: 1386.998+/-0.164 χ^2/NDF: 1895439.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/12

Left: -0.000+/-0.000 χ^2/NDF: 28.1/26

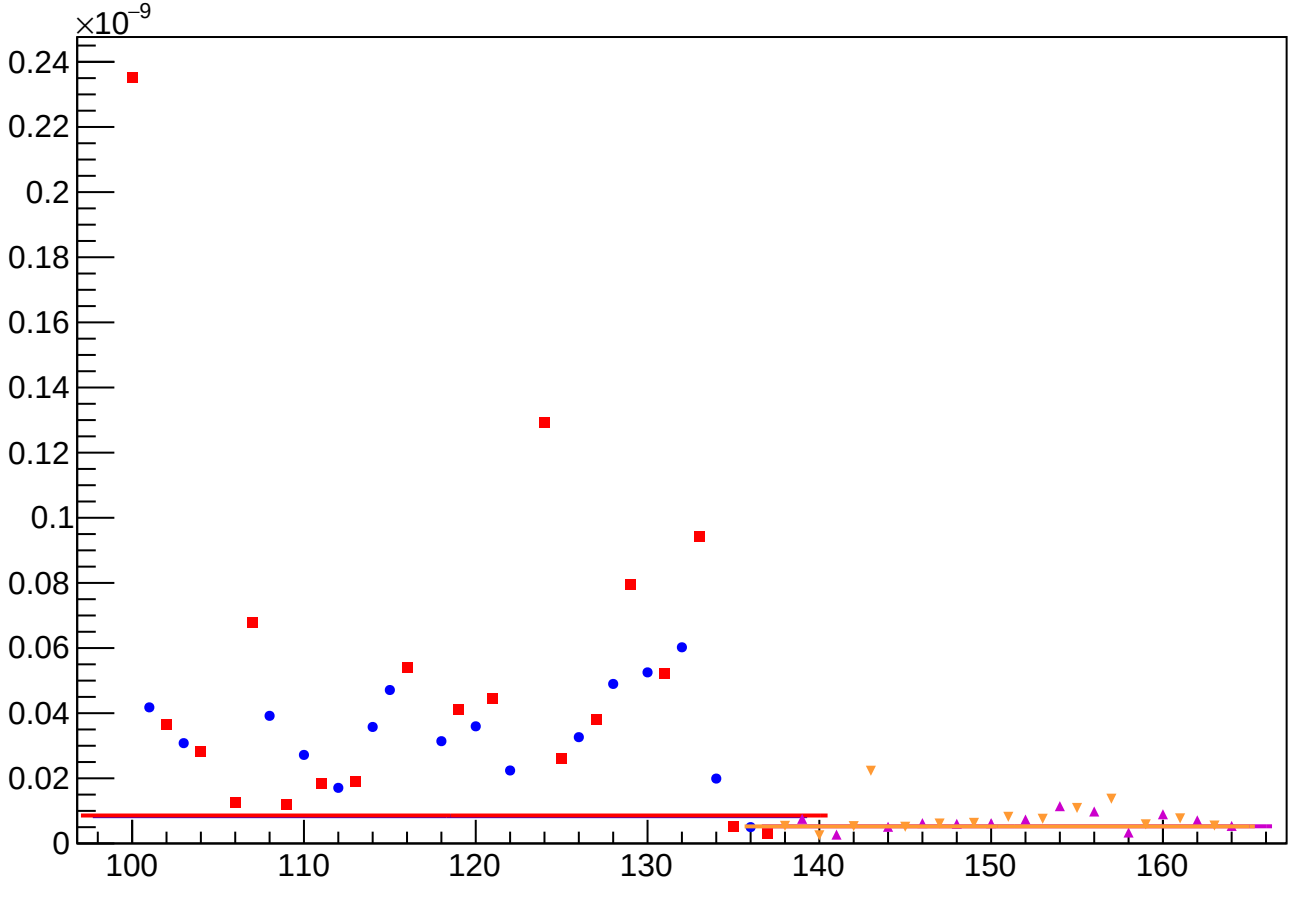
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:24.7/28

Out: -0.000+/-0.000 χ^2/NDF:37.8/32

All: -0.000+/-0.000 χ^2/NDF: 63.3/61

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:1619189.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1252093.5/12

Left: 0.000+/-0.000 χ^2/NDF: 2871424.4/26

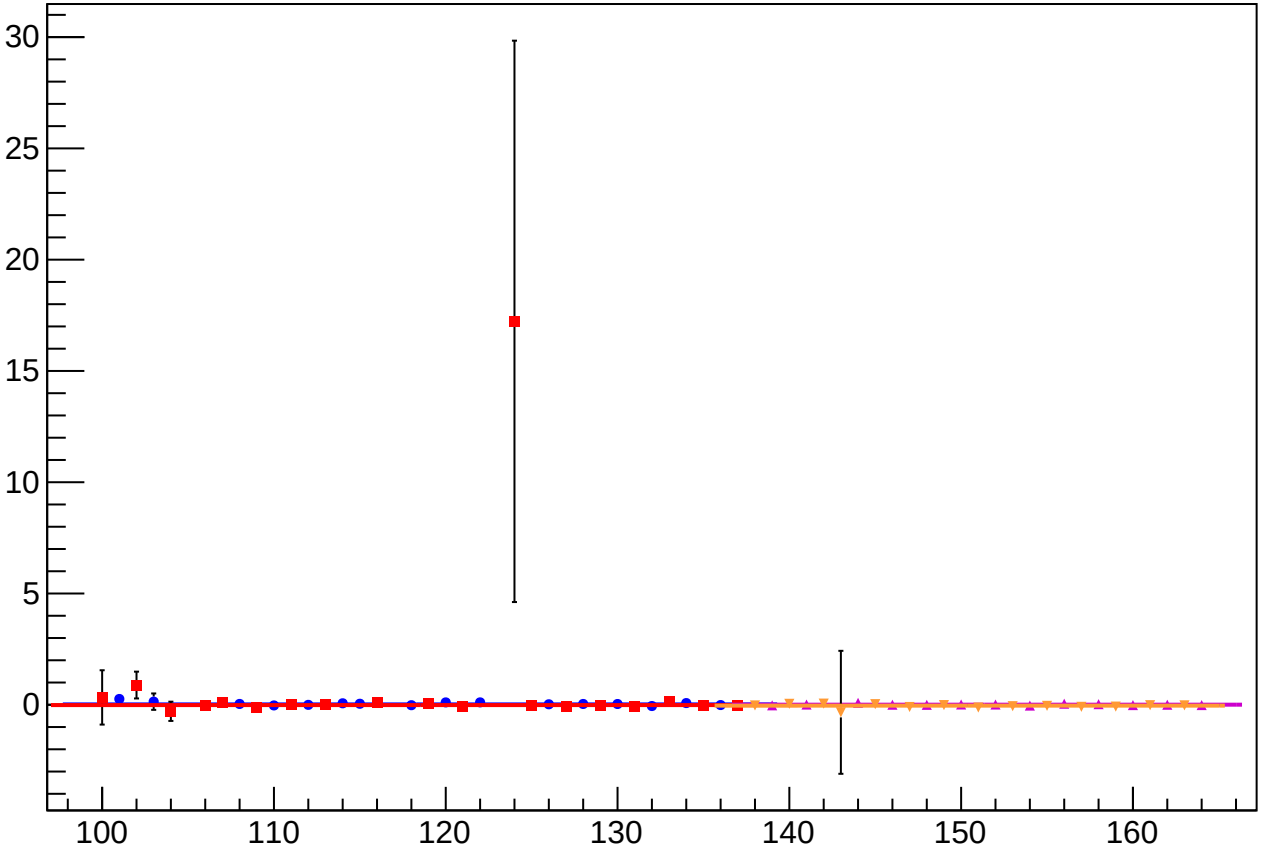
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4619852.7/28

Out: 0.000+/-0.000 χ^2/NDF:5279686.6/32

All: 0.000+/-0.000 χ^2/NDF: 9900228.3/61

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: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

Left: -0.017+/-0.008 χ^2/NDF: 30.1/26

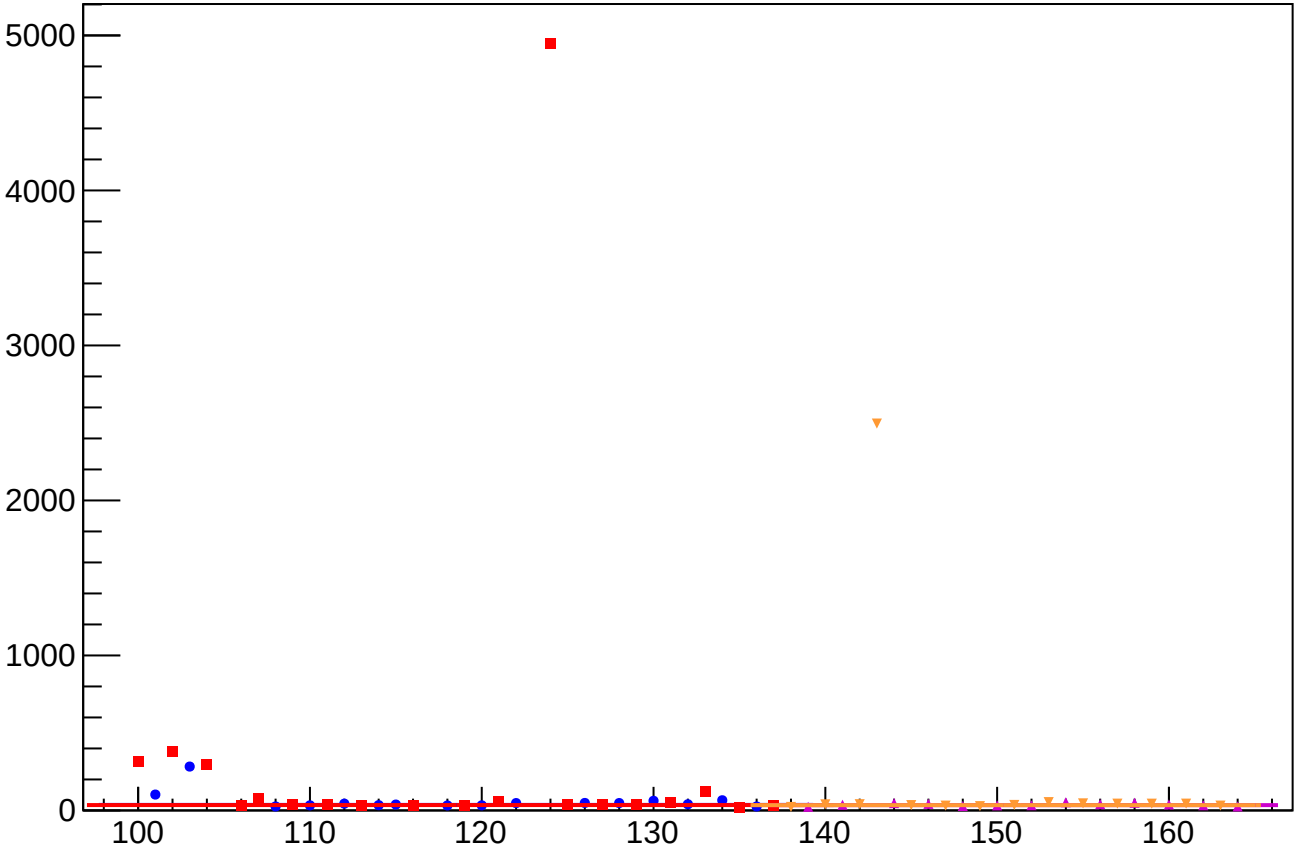
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/61

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 34.188+/-0.008 χ^2/NDF:2616034.2/13

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

Left: 34.276+/-0.006 χ^2/NDF: 3664312.2/26

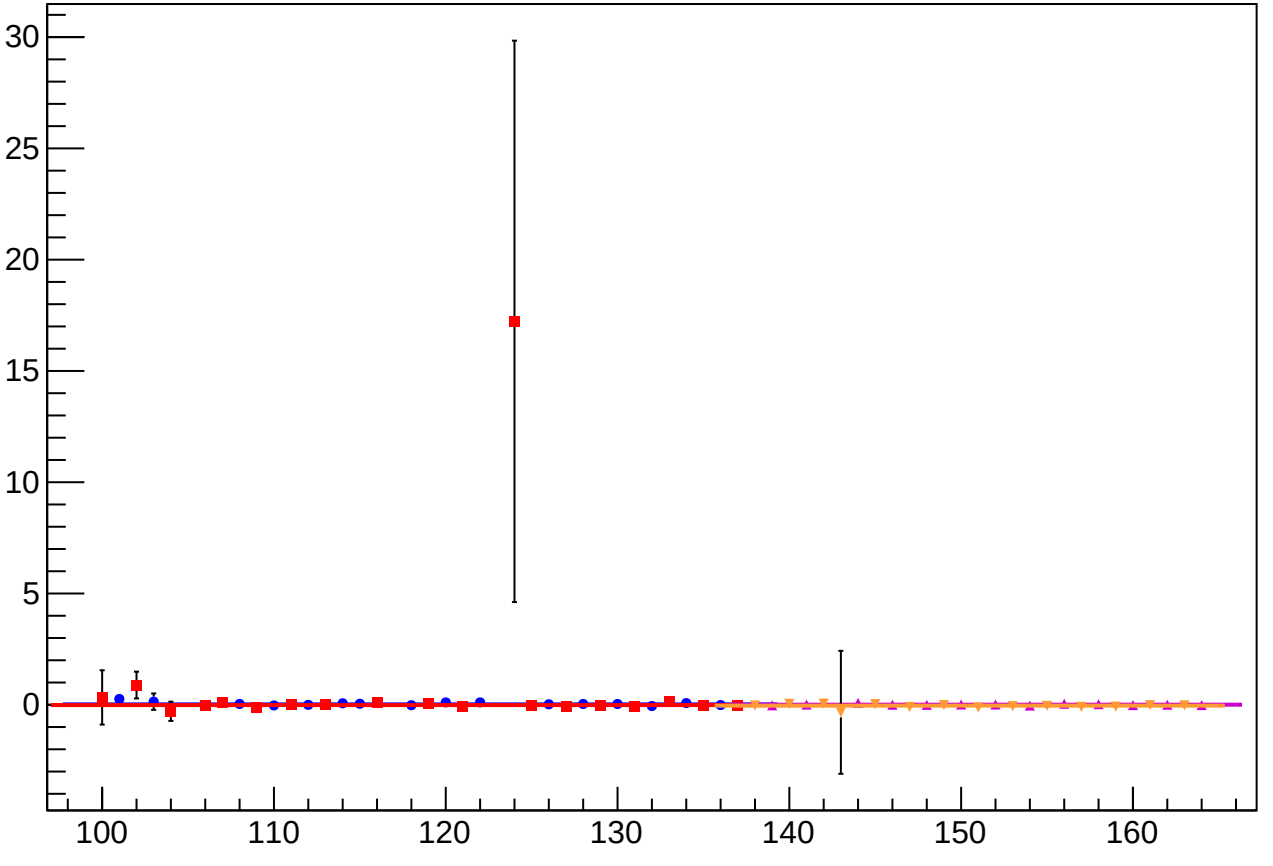
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.848+/-0.006 χ^2/NDF:3323182.9/28

Out: 34.404+/-0.007 χ^2/NDF:5532128.7/32

All: 34.629+/-0.005 χ^2/NDF: 8857622.9/61

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: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

Left: -0.017+/-0.008 χ^2/NDF: 30.1/26

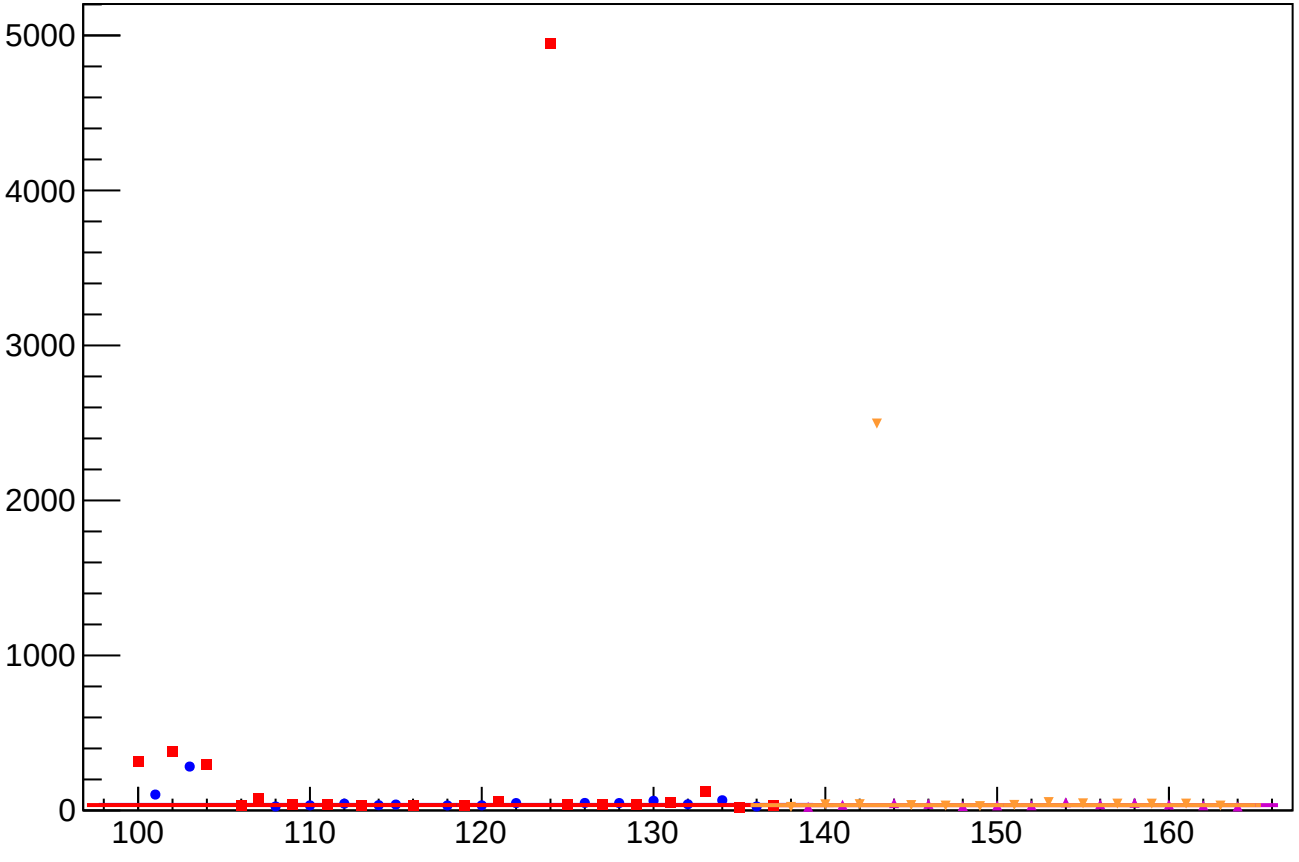
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/61

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: 34.188+/-0.008 χ^2/NDF:2616034.2/13

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 34.361+/-0.008 χ^2/NDF:1048052.7/12

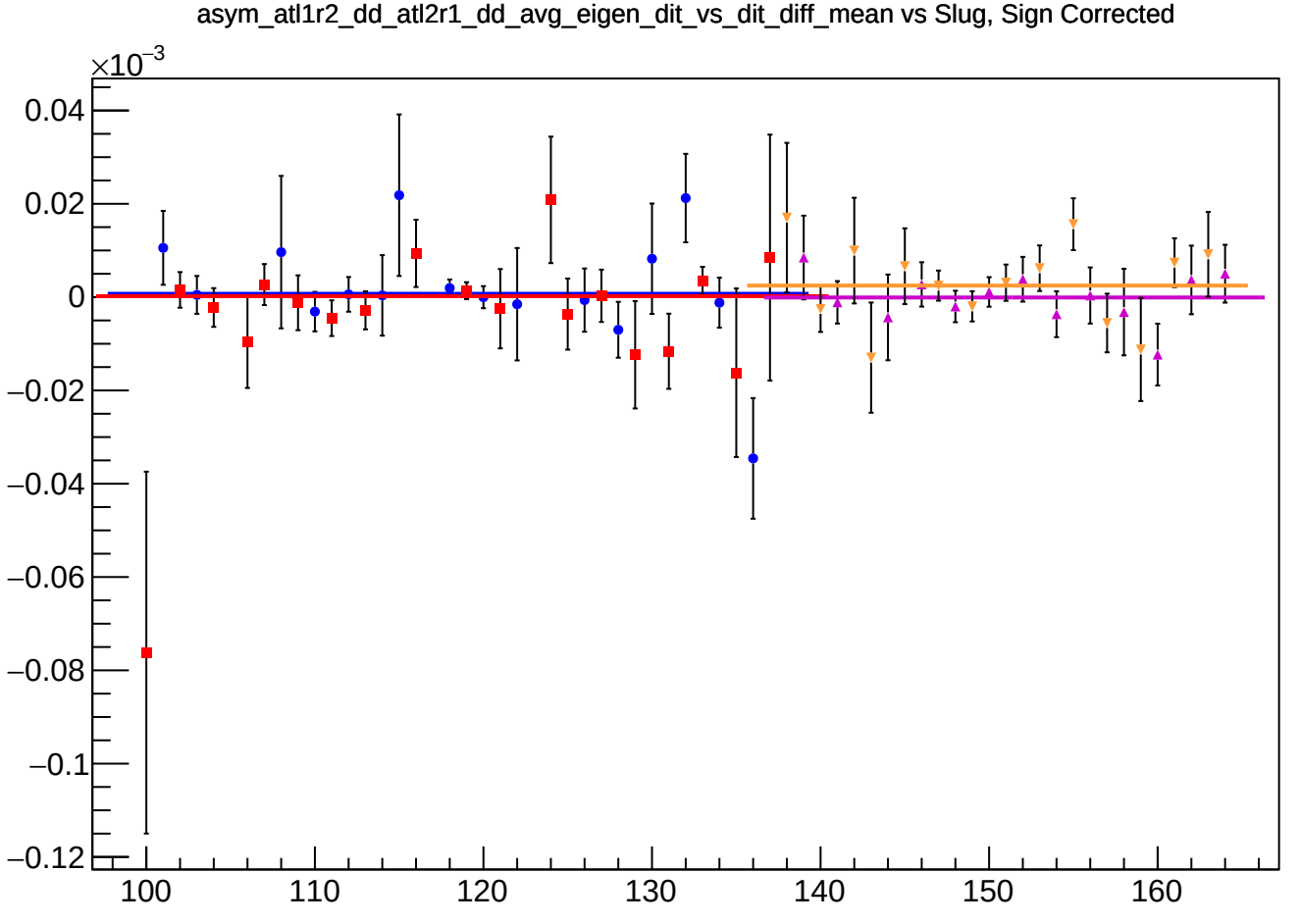
Left: 34.276+/-0.006 χ^2/NDF: 3664312.2/26

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.848+/-0.006 χ^2/NDF:3323182.9/28

Out: 34.404+/-0.007 χ^2/NDF:5532128.7/32

All: 34.629+/-0.005 χ^2/NDF: 8857622.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/12

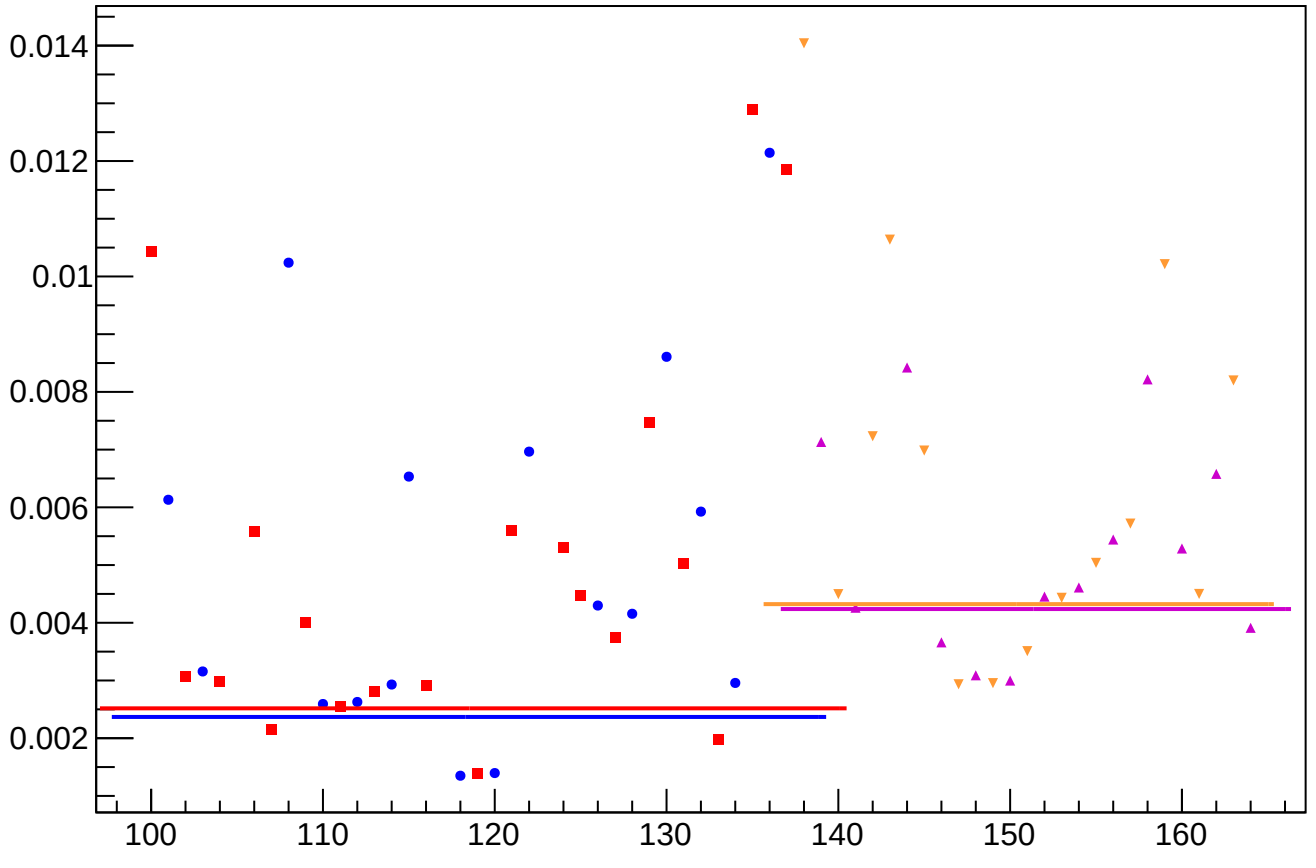
Left: 0.000+/-0.000 χ^2/NDF: 26.3/26

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:26.9/28

Out: 0.000+/-0.000 χ^2/NDF:36.7/32

All: 0.000+/-0.000 χ^2/NDF: 63.9/61



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3540393.4/13

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1911447.7/12

Left: 0.004+/-0.000 χ^2/NDF: 5455412.1/26

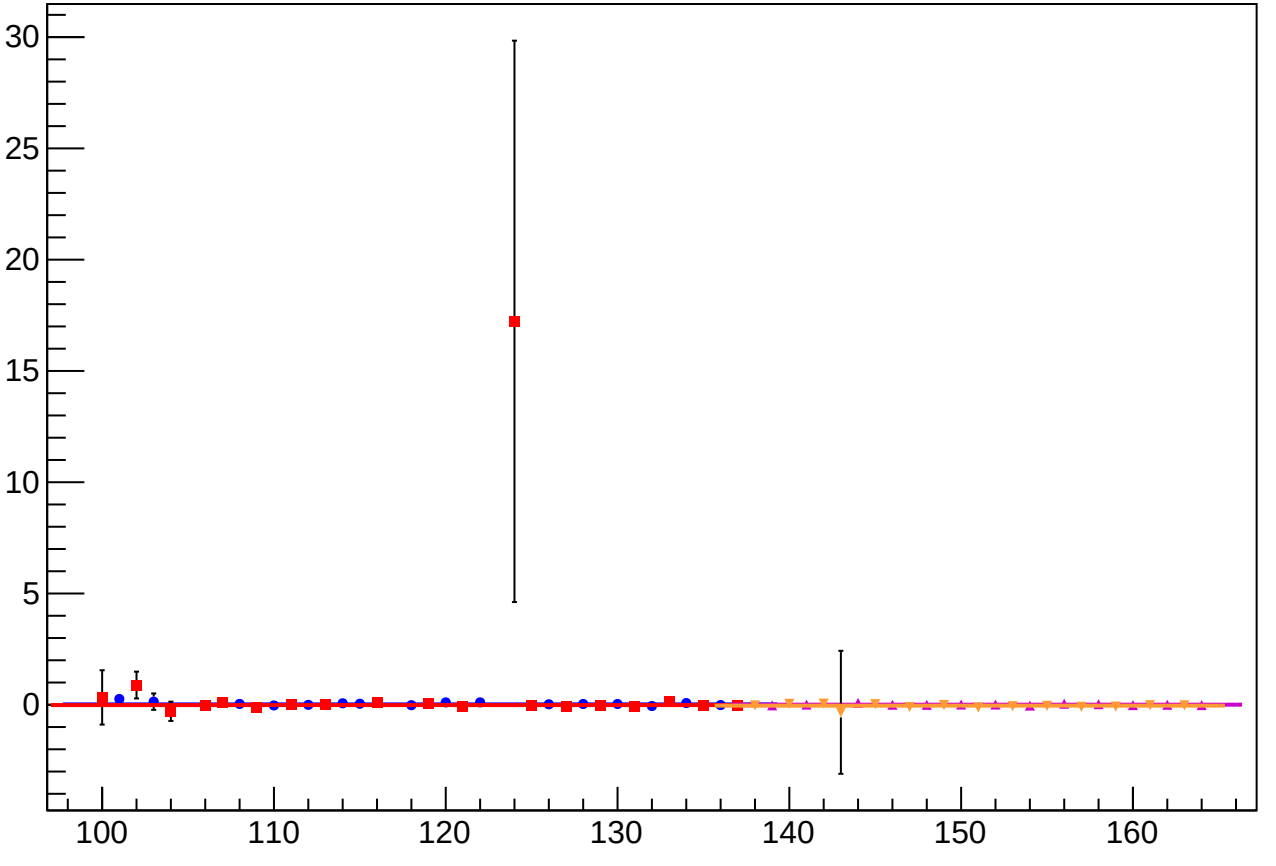
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8789630.1/28

Out: 0.003+/-0.000 χ^2/NDF:8991659.8/32

All: 0.003+/-0.000 χ^2/NDF: 17791541.1/61

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: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

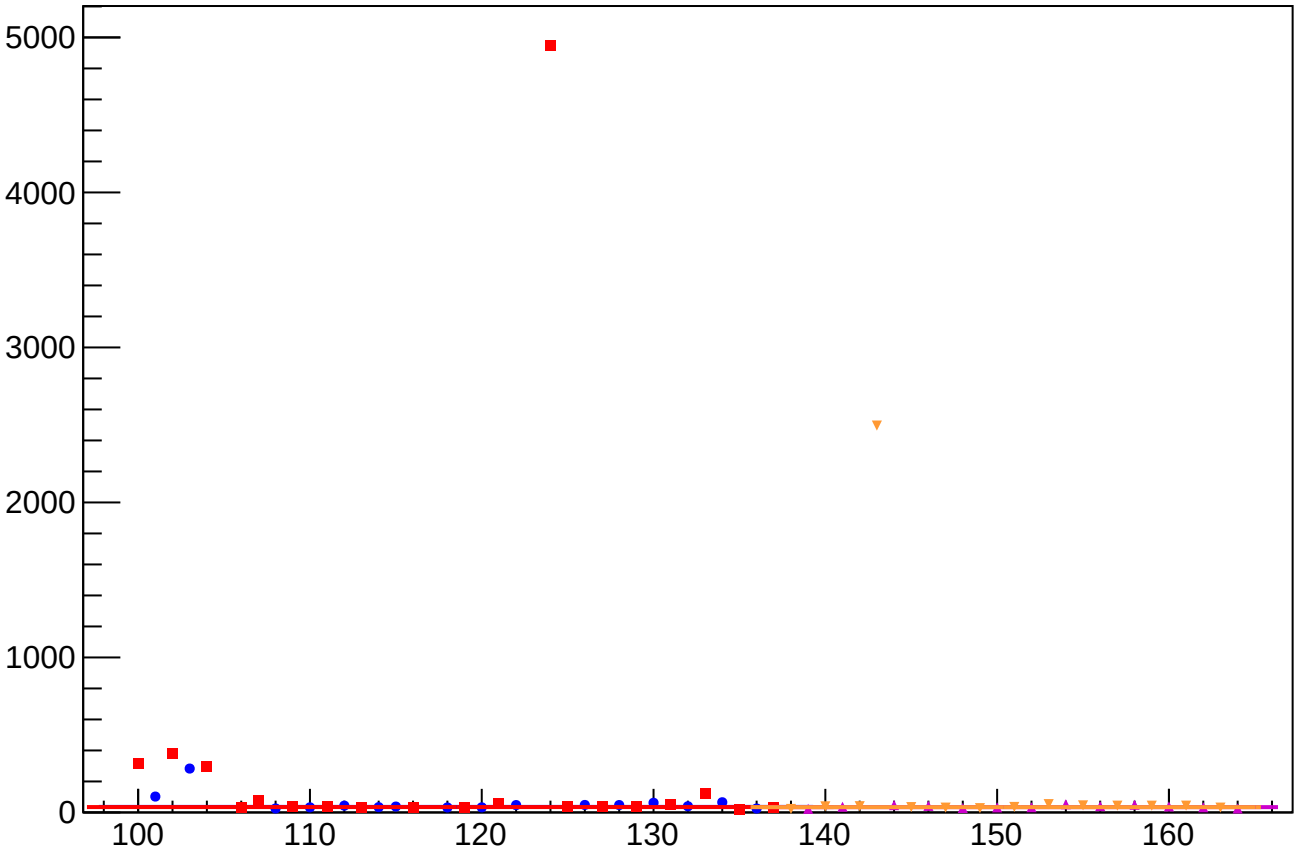
Left: -0.017+/-0.008 χ^2/NDF: 30.1/26

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/61



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 34.188+/-0.008 χ^2/NDF:2616363.8/13

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

Left: 34.275+/-0.006 χ^2/NDF: 3665321.1/26

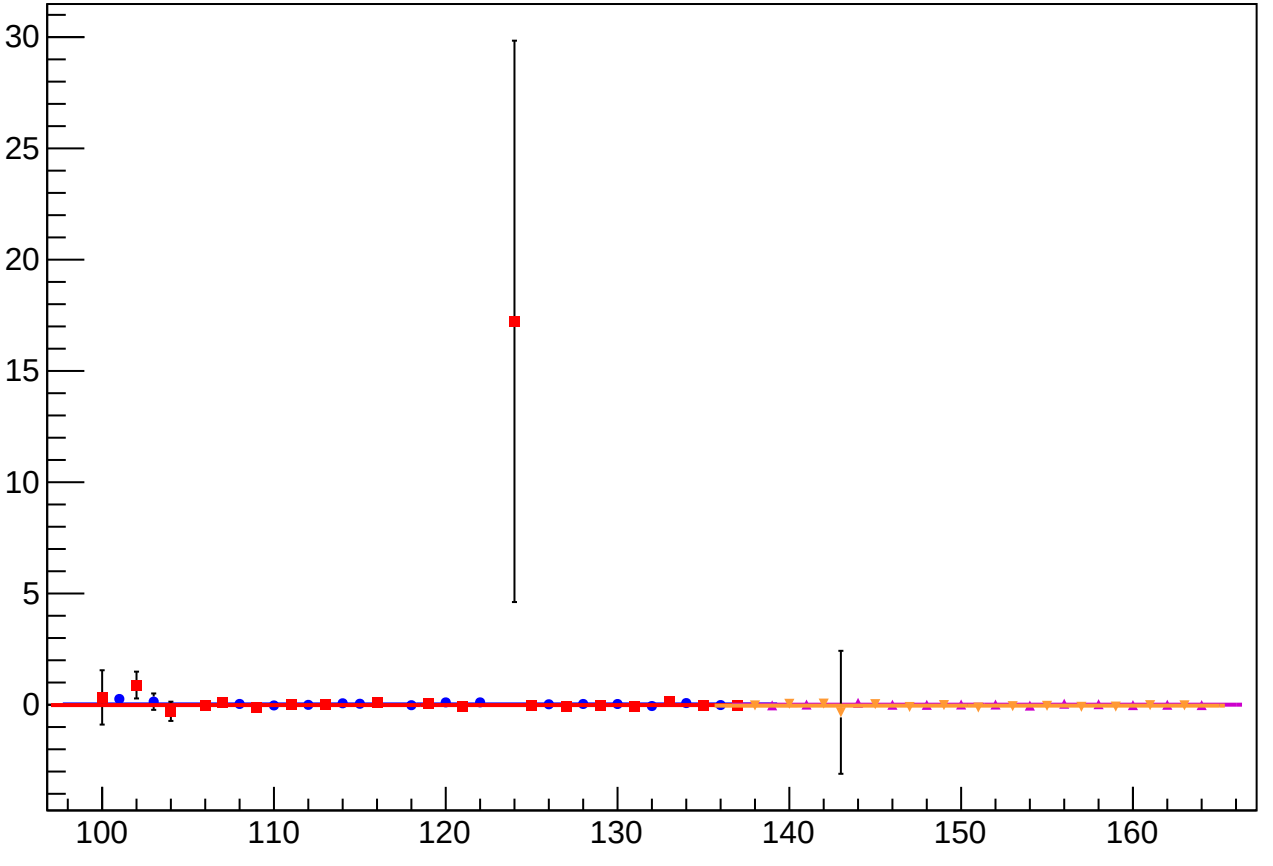
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.848+/-0.006 χ^2/NDF:3323640.0/28

Out: 34.404+/-0.007 χ^2/NDF:5532293.6/32

All: 34.629+/-0.005 χ^2/NDF: 8858238.0/61

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: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.004+/-0.011 χ^2/NDF:5.5/12

Left: -0.017+/-0.008 χ^2/NDF: 30.1/26

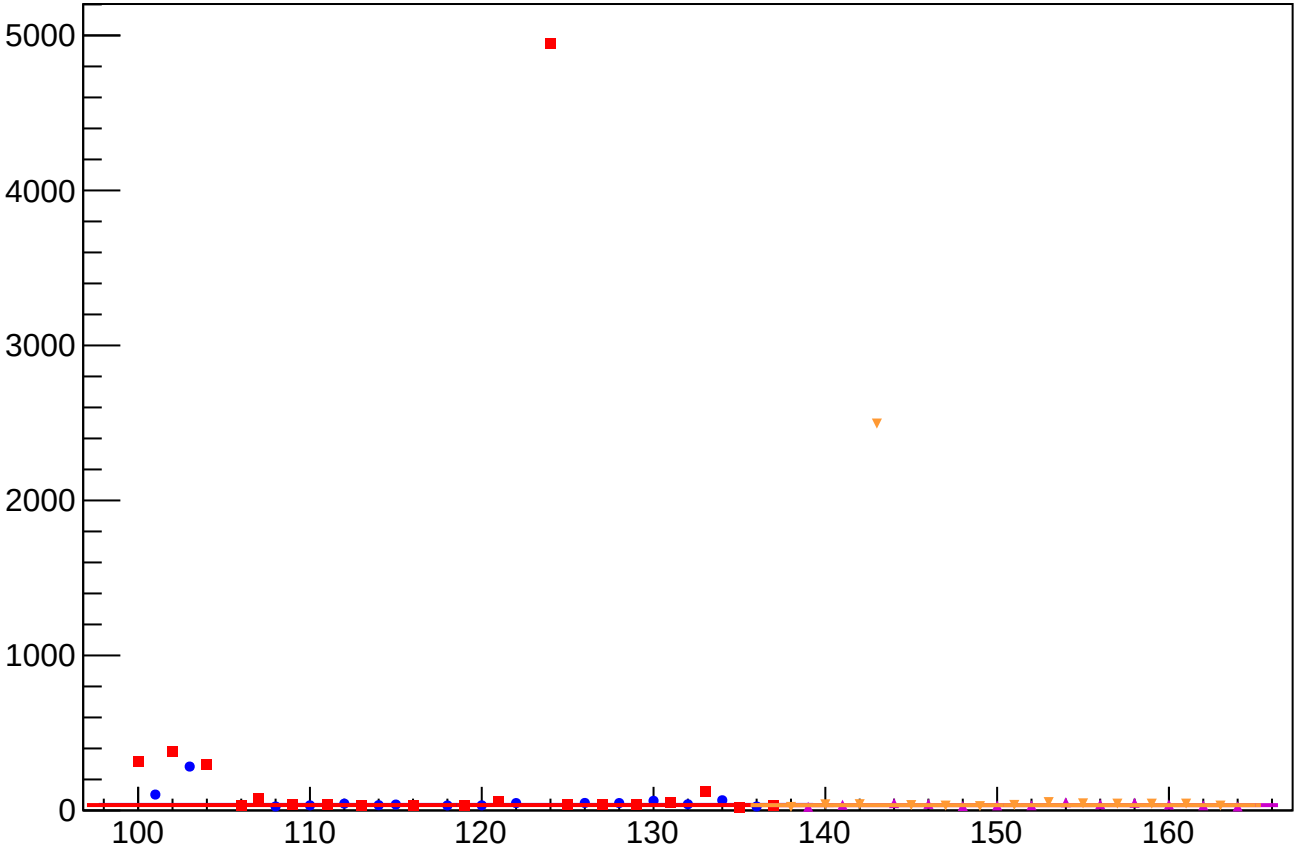
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.009+/-0.009 χ^2/NDF:17.4/28

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/61

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: 34.188+/-0.008 χ^2/NDF:2616363.8/13

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 34.359+/-0.008 χ^2/NDF:1048735.5/12

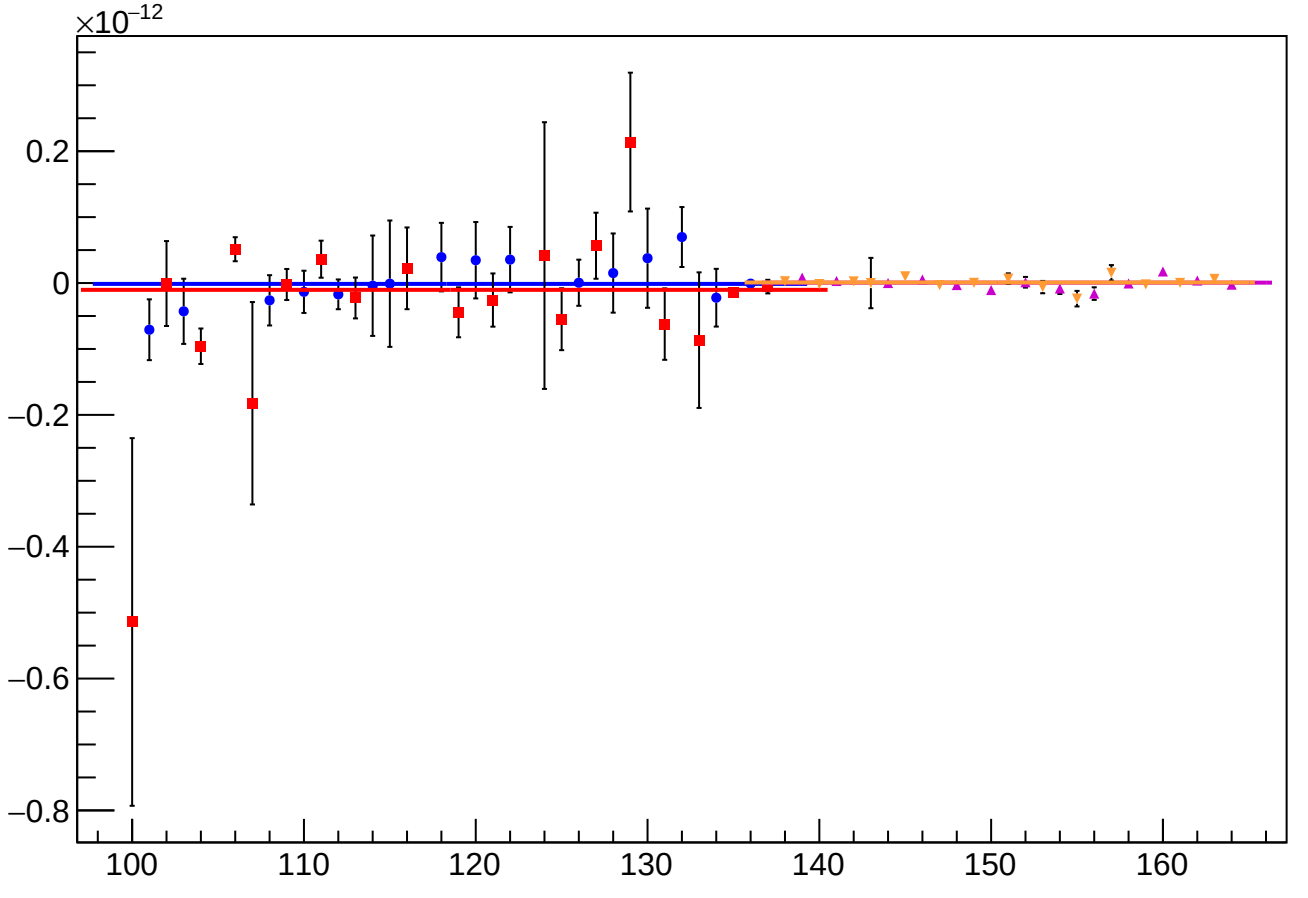
Left: 34.275+/-0.006 χ^2/NDF: 3665321.1/26

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.848+/-0.006 χ^2/NDF:3323640.0/28

Out: 34.404+/-0.007 χ^2/NDF:5532293.6/32

All: 34.629+/-0.005 χ^2/NDF: 8858238.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/13

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/12

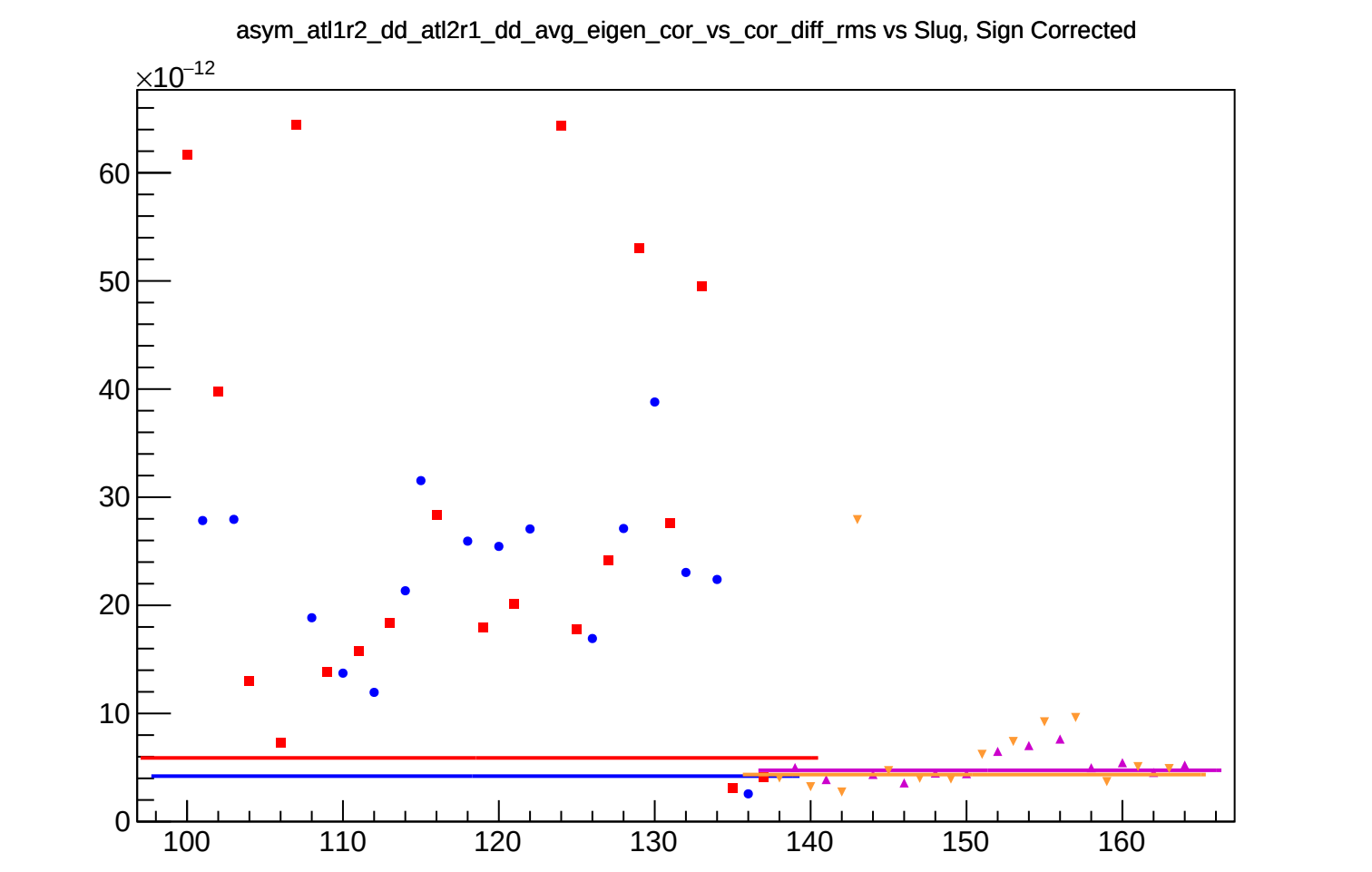
Left: 0.000+/-0.000 χ^2/NDF: 28.7/26

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:26.2/28

Out: -0.000+/-0.000 χ^2/NDF:57.4/32

All: -0.000+/-0.000 χ^2/NDF: 83.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2295470.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:665655.2/12

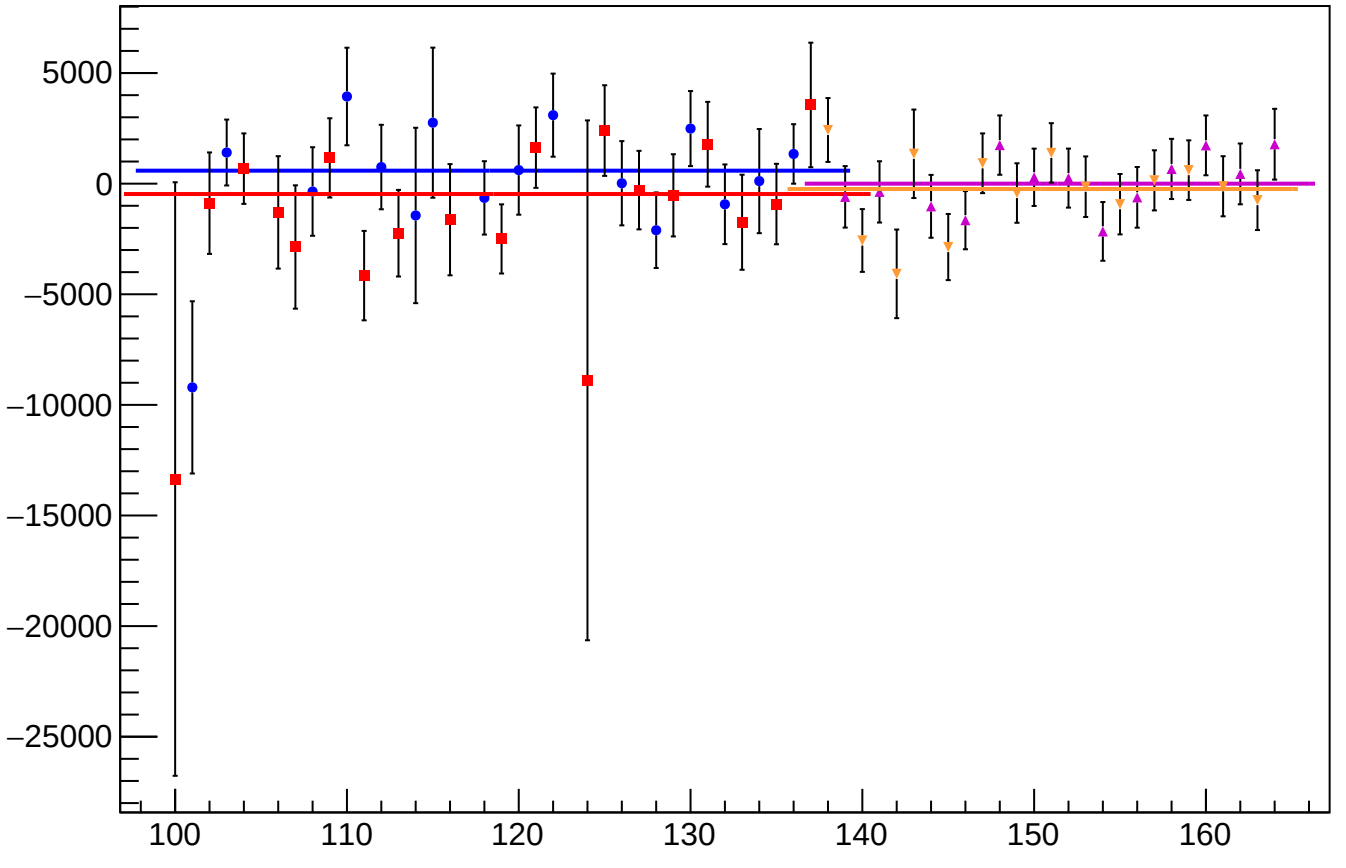
Left: 0.000+/-0.000 χ^2/NDF: 3015603.4/26

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5785958.1/28

Out: 0.000+/-0.000 χ^2/NDF:7390587.4/32

All: 0.000+/-0.000 χ^2/NDF: 13178830.9/61



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.417+/-382.621 χ^2/NDF:16.6/13

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -0.394+/-379.805 χ^2/NDF:10.2/12

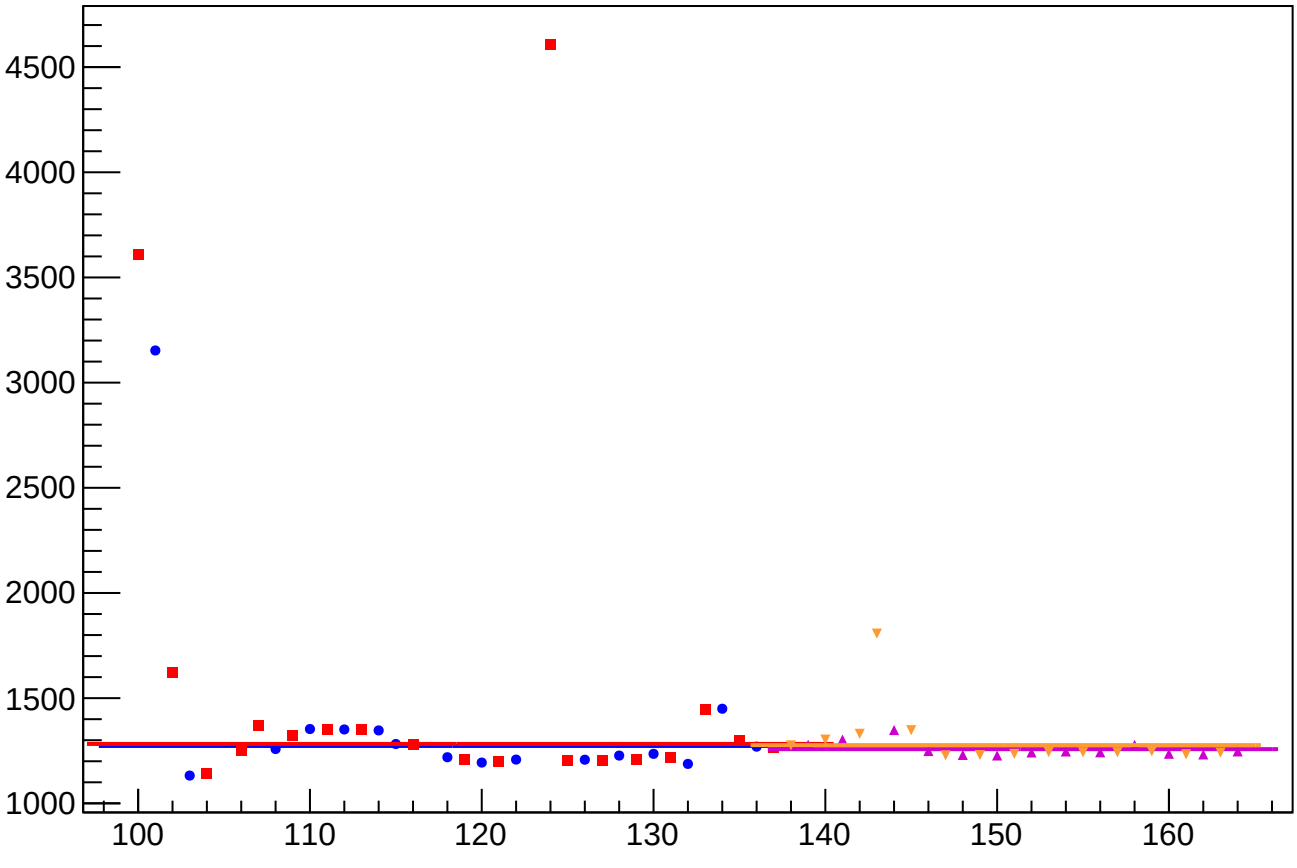
Left: -120.511+/-269.553 χ^2/NDF: 27.0/26

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 224.340+/-298.422 χ^2/NDF:28.2/28

Out: -330.341+/-299.320 χ^2/NDF:33.6/32

All: -52.167+/-211.333 χ^2/NDF: 63.5/61



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

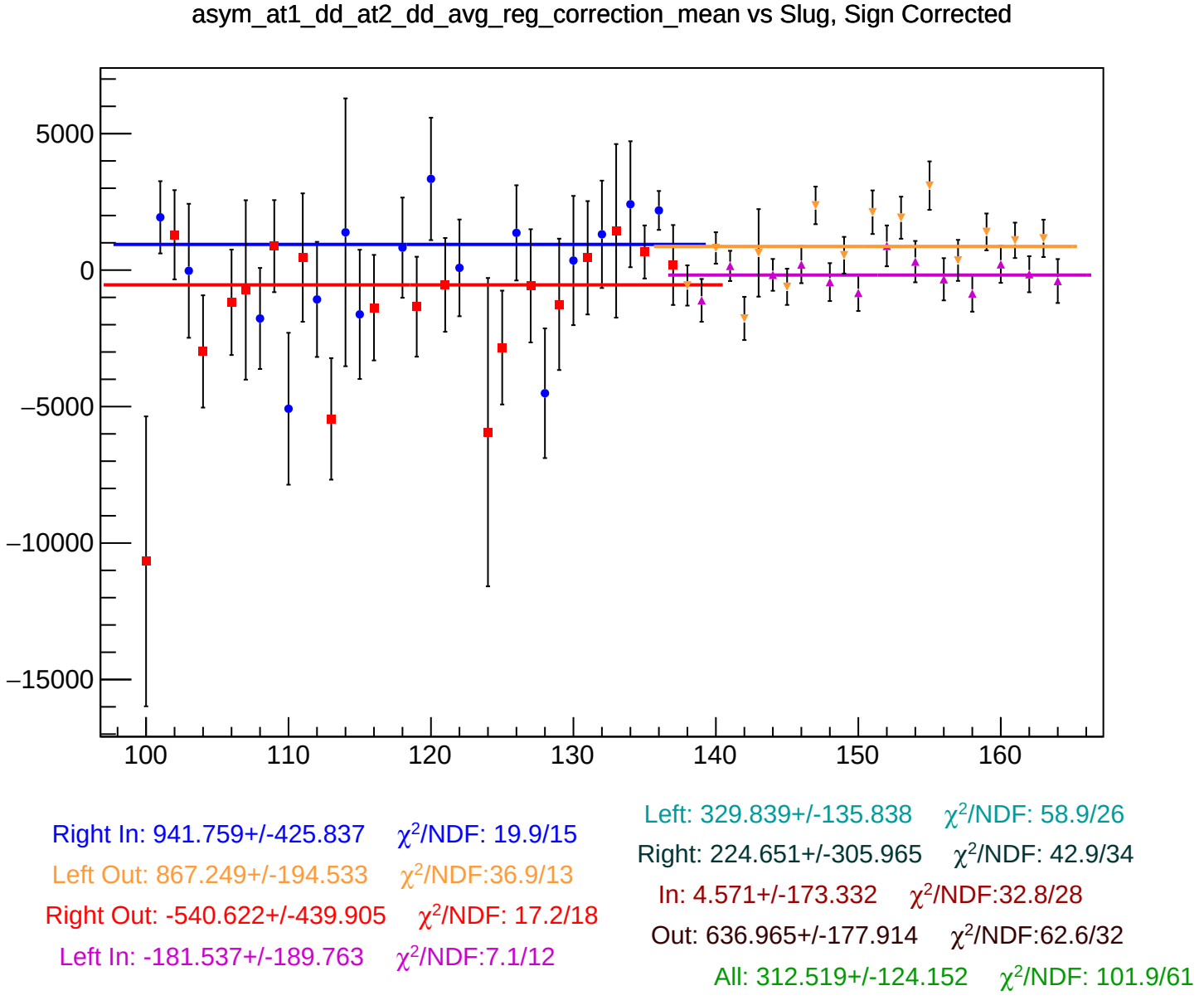
Left: 1267.094+/-0.191 χ^2/NDF: 179936.0/26

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

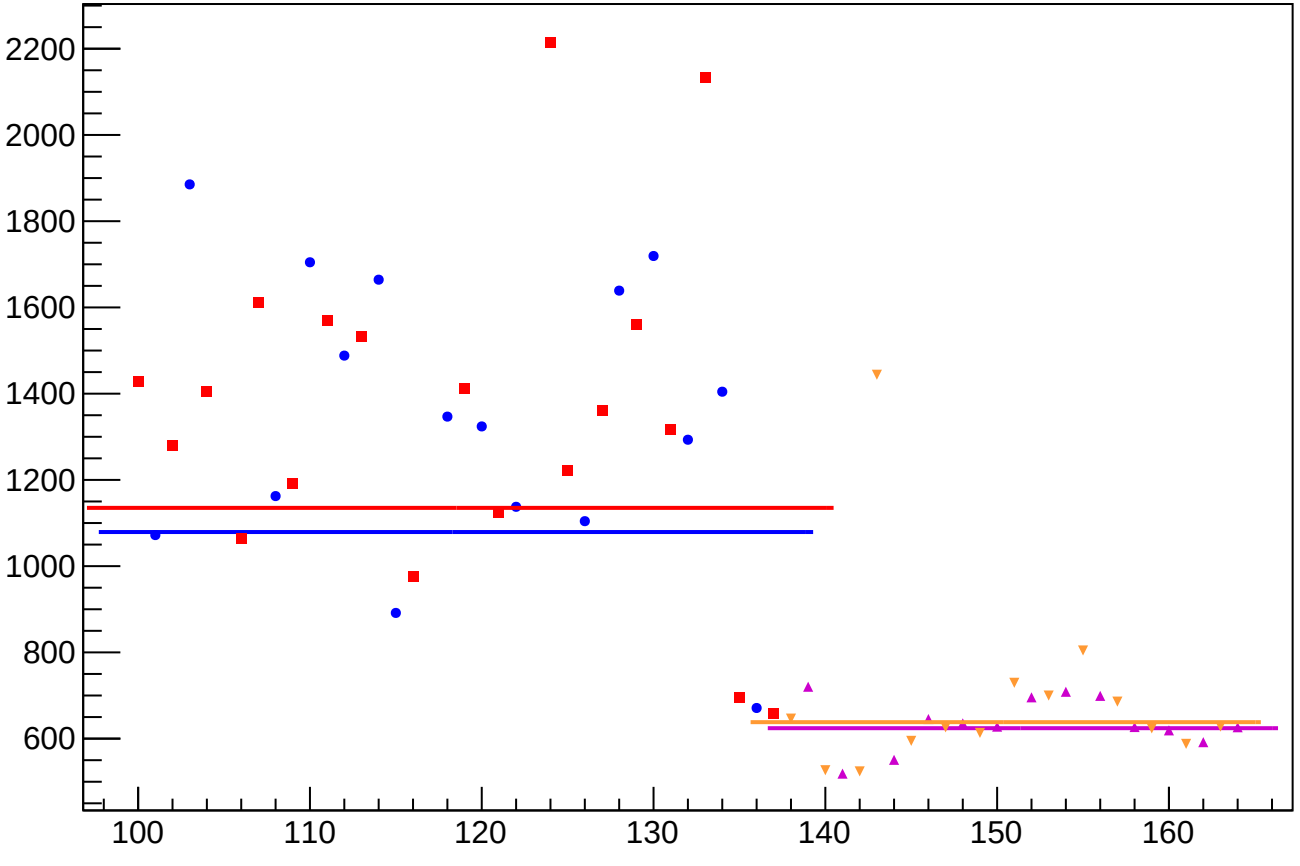
In: 1263.406+/-0.211 χ^2/NDF:535742.5/28

Out: 1278.928+/-0.212 χ^2/NDF:484438.7/32

All: 1271.144+/-0.149 χ^2/NDF: 1022878.5/61


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 867.249+/-194.533 χ²/NDF:36.9/13
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -181.537+/-189.763 χ²/NDF:7.1/12
Left: 329.839+/-135.838 χ²/NDF: 58.9/26
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: 4.571+/-173.332 χ²/NDF:32.8/28
Out: 636.965+/-177.914 χ²/NDF:62.6/32
All: 312.519+/-124.152 χ²/NDF: 101.9/61

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: 638.181+/-0.138 χ^2/NDF:763984.5/13

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 624.194+/-0.134 χ^2/NDF:203552.6/12

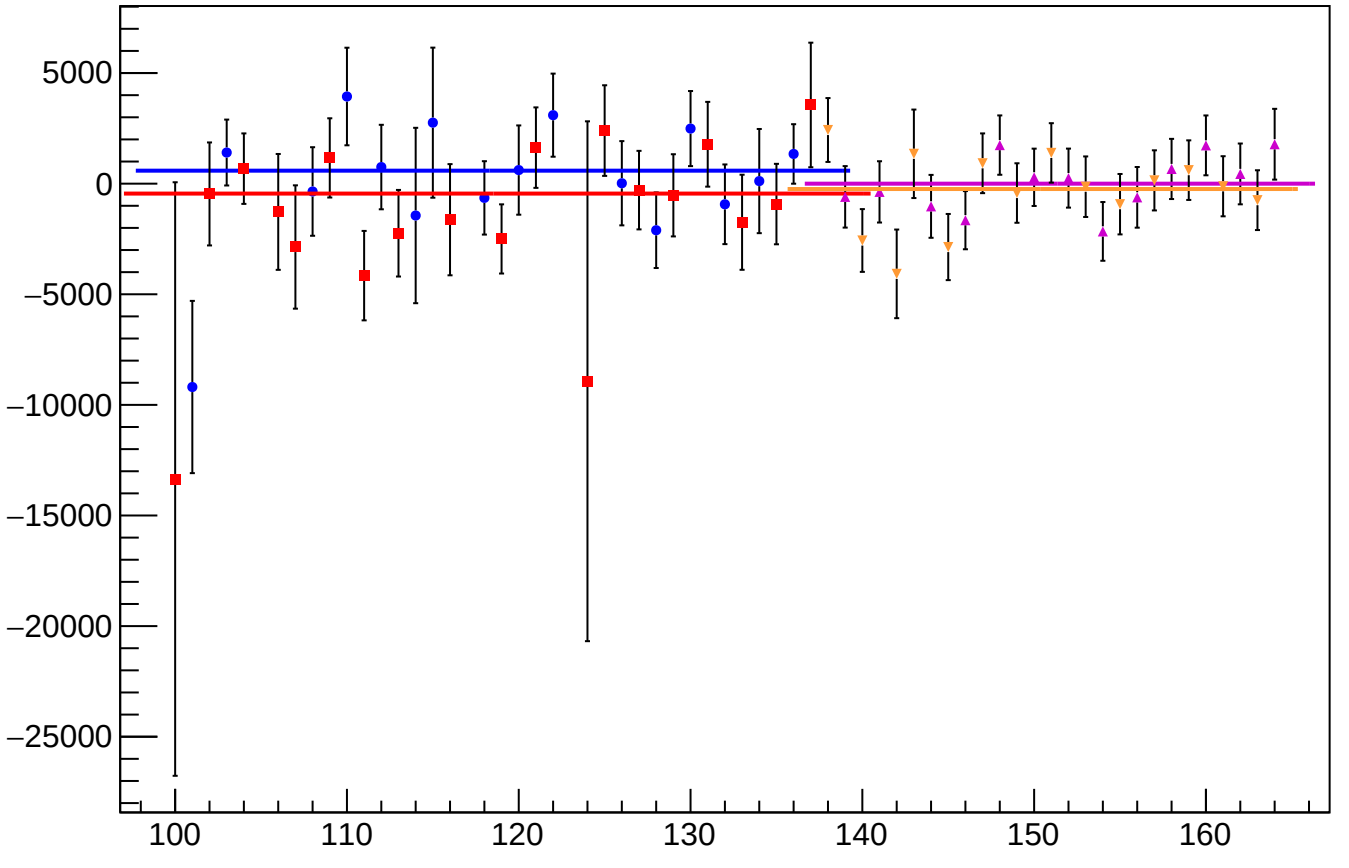
Left: 631.014+/-0.096 χ^2/NDF: 972835.0/26

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 699.566+/-0.123 χ^2/NDF:3590177.7/28

Out: 719.472+/-0.126 χ^2/NDF:4192172.6/32

All: 709.259+/-0.088 χ^2/NDF: 7795194.7/61



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.538+/-382.621 χ^2/NDF:16.6/13

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -0.410+/-379.805 χ^2/NDF:10.2/12

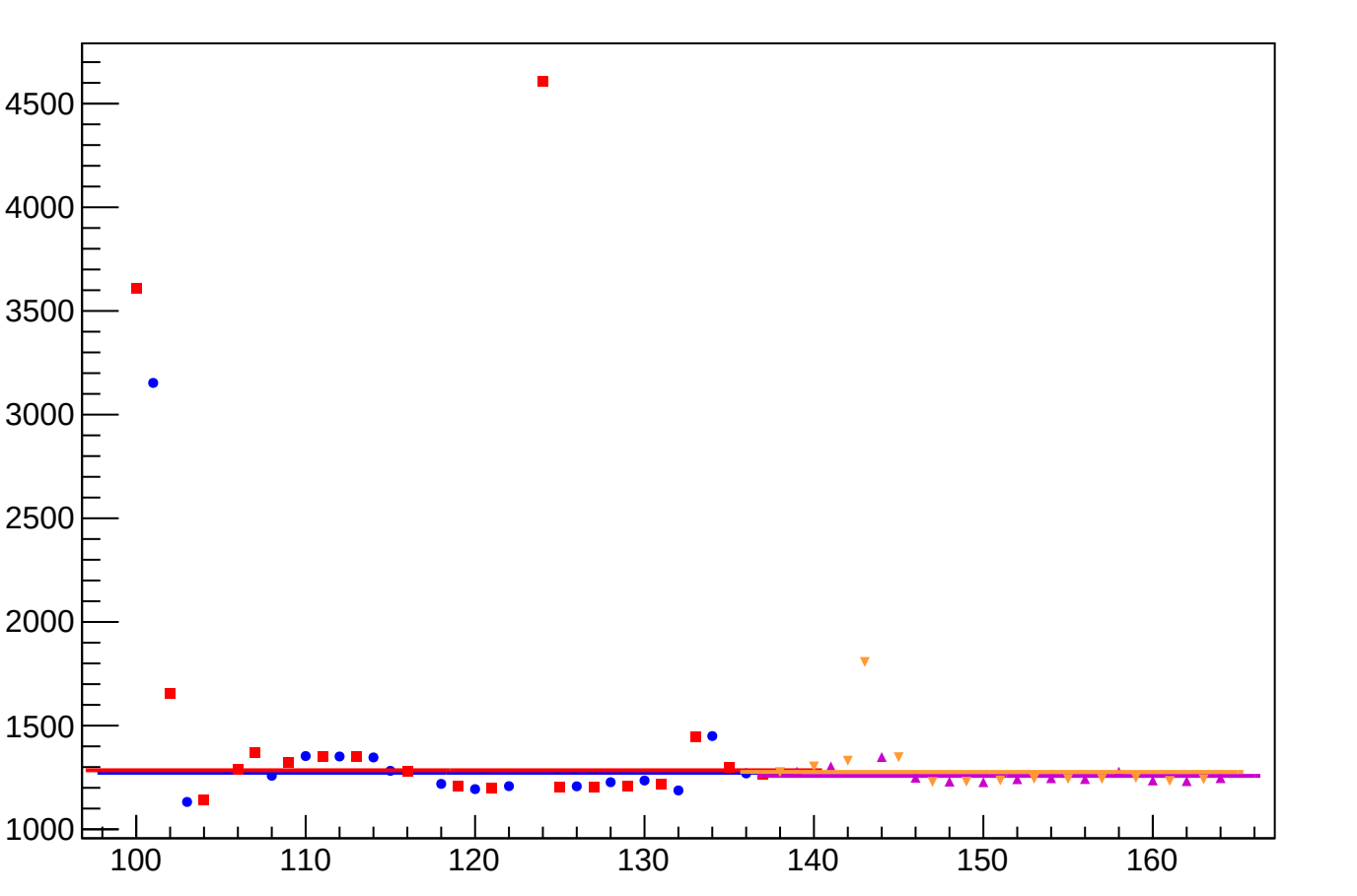
Left: -120.580+/-269.553 χ^2/NDF: 27.0/26

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 224.452+/-298.422 χ^2/NDF:28.2/28

Out: -322.256+/-299.518 χ^2/NDF:33.5/32

All: -47.900+/-211.403 χ^2/NDF: 63.4/61



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

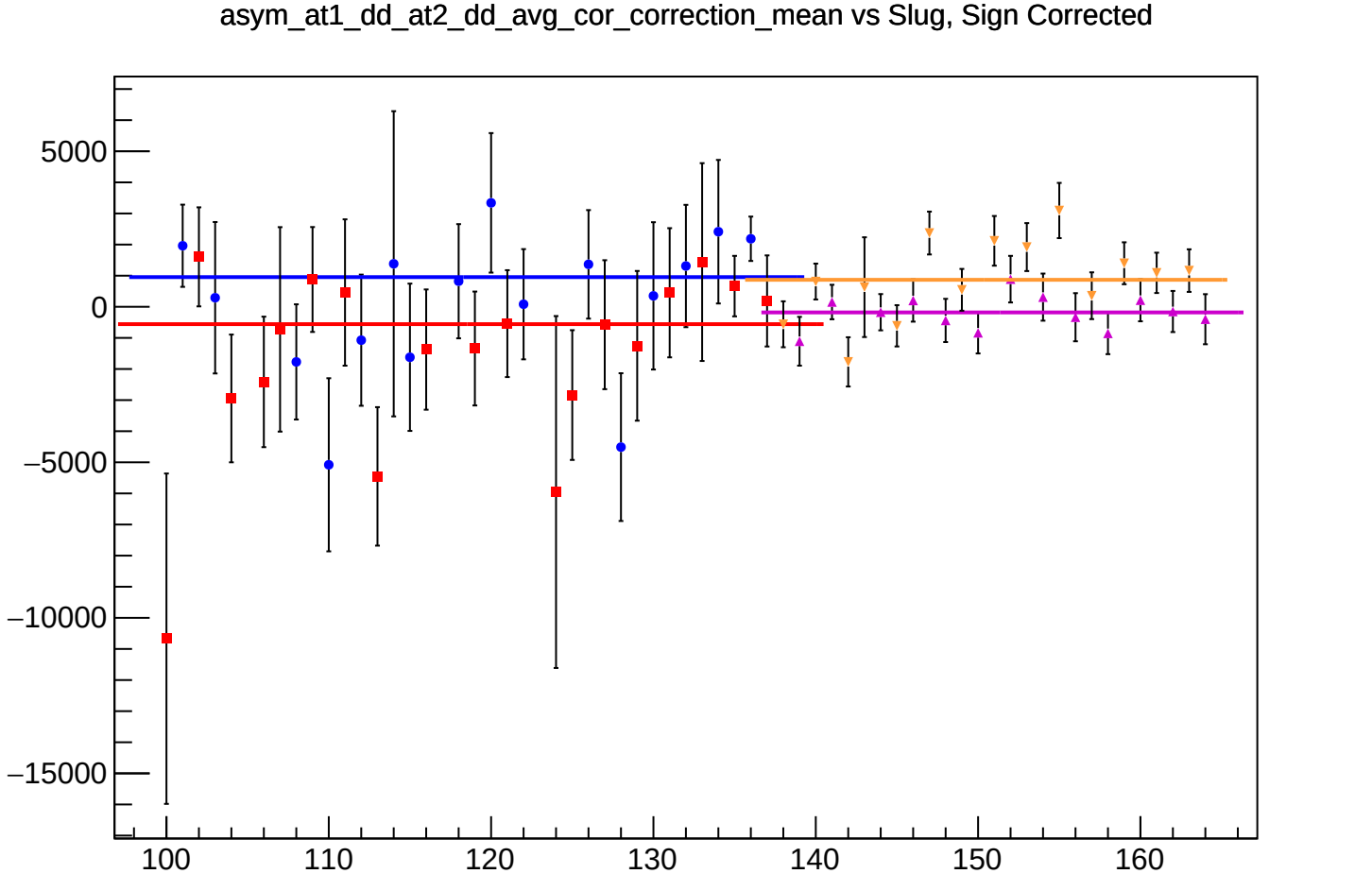
Left: 1267.094+/-0.191 χ^2/NDF: 179936.0/26

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1263.406+/-0.211 χ^2/NDF:535743.9/28

Out: 1279.810+/-0.212 χ^2/NDF:491258.4/32

All: 1271.578+/-0.149 χ^2/NDF: 1030012.9/61



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 867.188+/-194.534 χ^2/NDF:36.9/13

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -181.539+/-189.762 χ^2/NDF:7.1/12

Left: 329.803+/-135.838 χ^2/NDF: 58.9/26

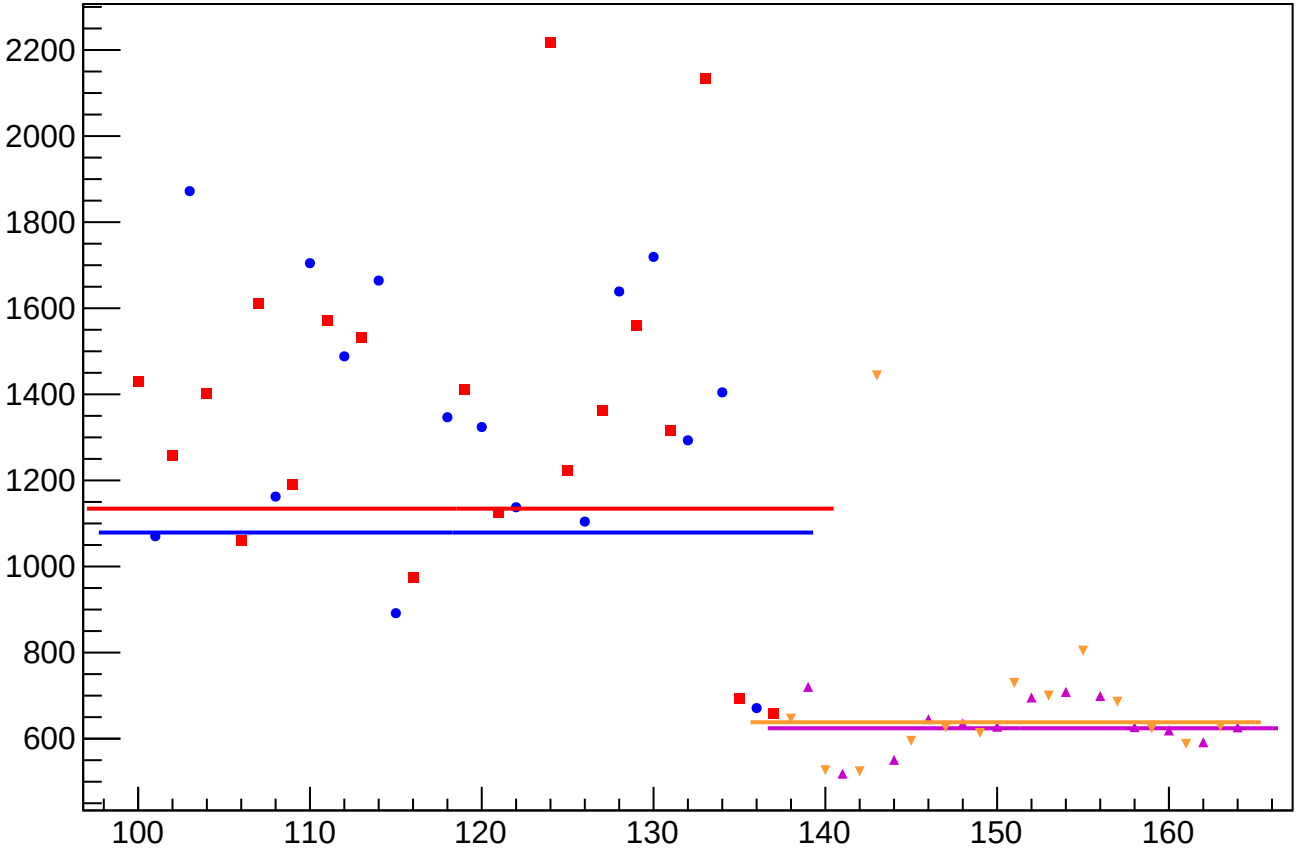
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 6.750+/-173.319 χ^2/NDF:32.9/28

Out: 634.834+/-177.971 χ^2/NDF:64.0/32

All: 312.477+/-124.167 χ^2/NDF: 103.3/61

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: 638.186+/-0.138 χ^2/NDF:763899.5/13

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

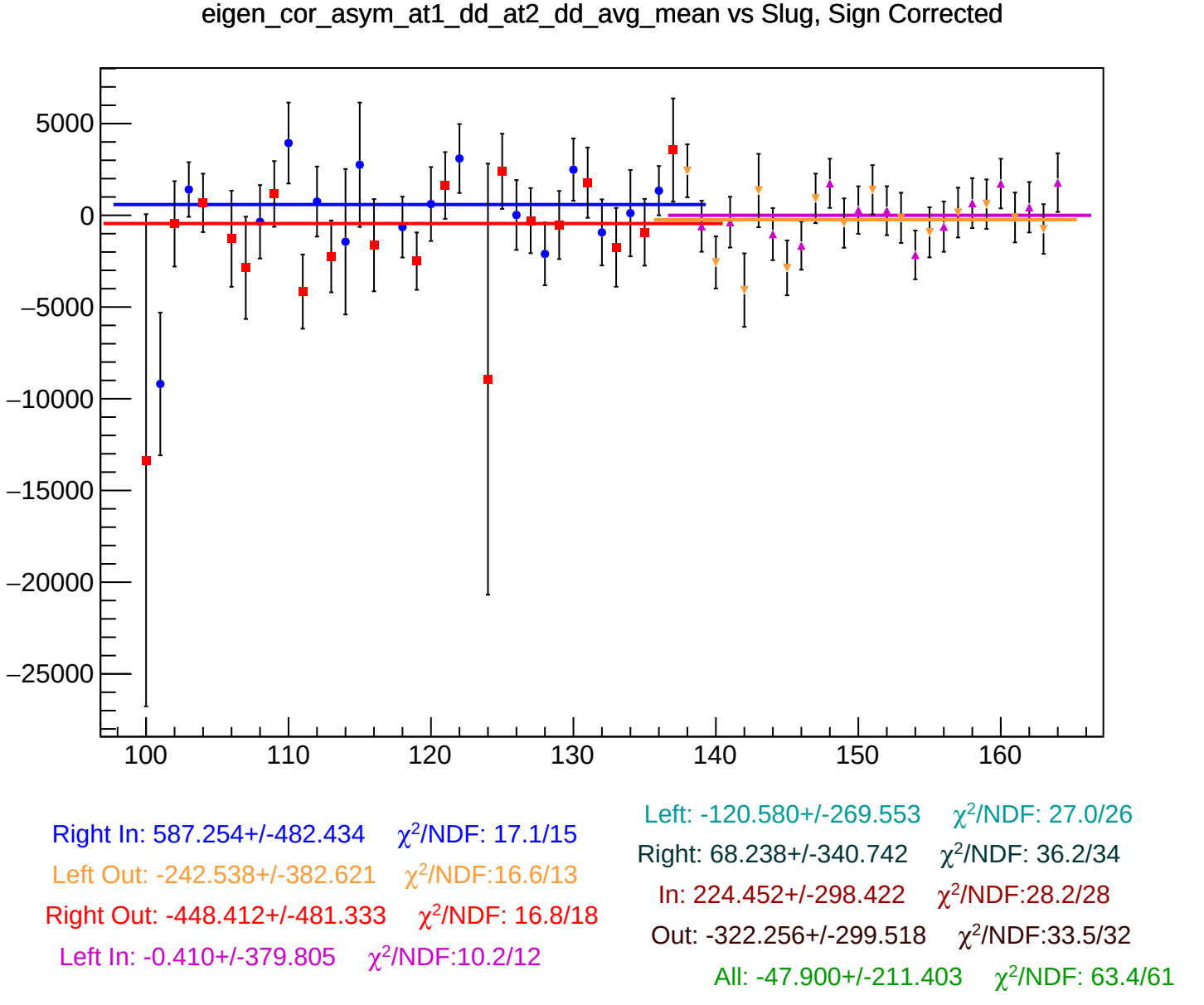
Left: 631.015+/-0.096 χ^2/NDF: 972779.1/26

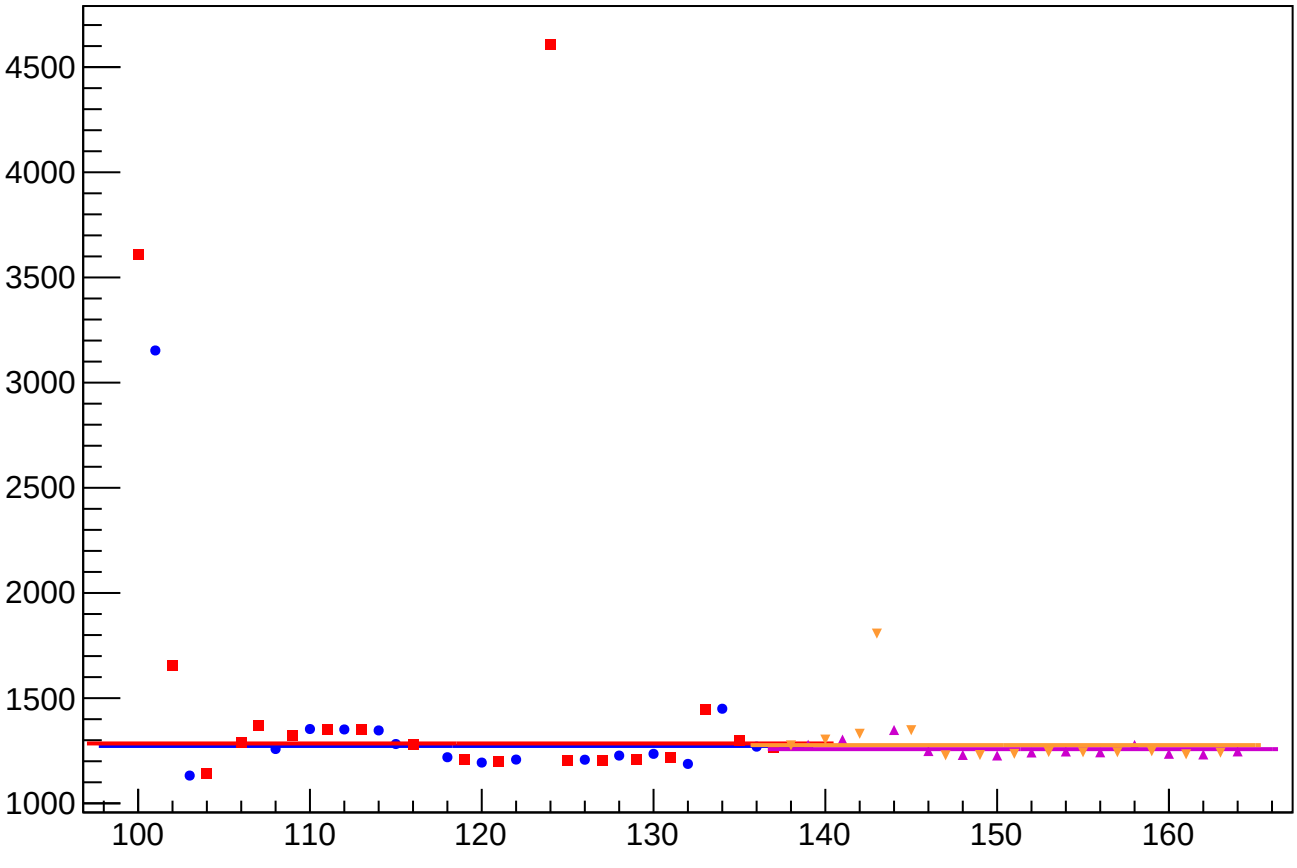
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 699.584+/-0.123 χ^2/NDF:3586459.1/28

Out: 719.093+/-0.126 χ^2/NDF:4174682.5/32

All: 709.081+/-0.088 χ^2/NDF: 7773476.2/61


eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 587.254+/-482.434 χ²/NDF: 17.1/15
Left Out: -242.538+/-382.621 χ²/NDF:16.6/13
Right Out: -448.412+/-481.333 χ²/NDF: 16.8/18
Left In: -0.410+/-379.805 χ²/NDF:10.2/12
Left: -120.580+/-269.553 χ²/NDF: 27.0/26
Right: 68.238+/-340.742 χ²/NDF: 36.2/34
In: 224.452+/-298.422 χ²/NDF:28.2/28
Out: -322.256+/-299.518 χ²/NDF:33.5/32
All: -47.900+/-211.403 χ²/NDF: 63.4/61



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1257.581+/-0.269 χ^2/NDF:15214.9/12

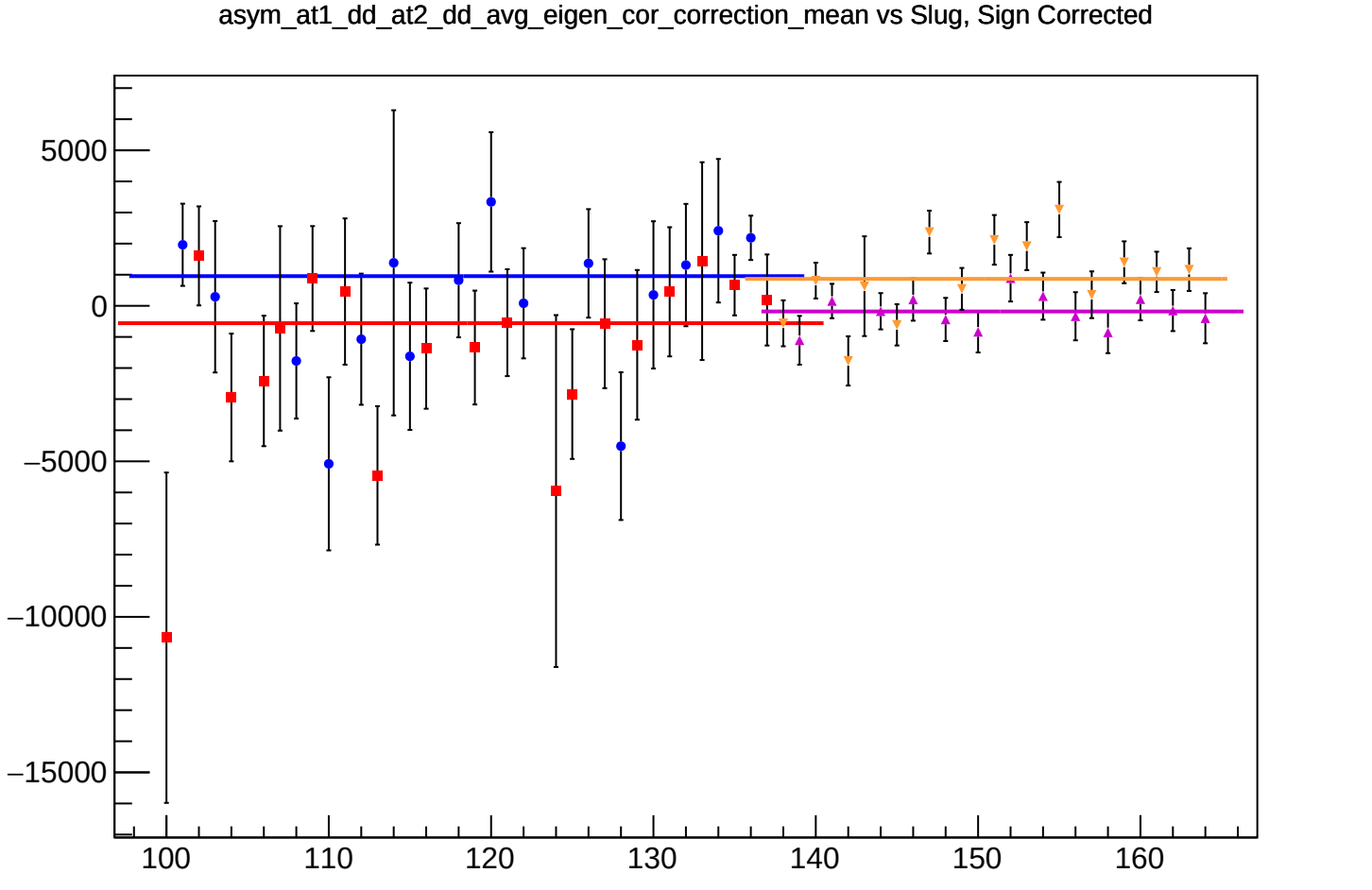
Left: 1267.094+/-0.191 χ^2/NDF: 179936.0/26

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1263.406+/-0.211 χ^2/NDF:535743.9/28

Out: 1279.810+/-0.212 χ^2/NDF:491258.4/32

All: 1271.578+/-0.149 χ^2/NDF: 1030012.9/61



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 867.188+/-194.534 χ^2/NDF:36.9/13

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -181.539+/-189.762 χ^2/NDF:7.1/12

Left: 329.803+/-135.838 χ^2/NDF: 58.9/26

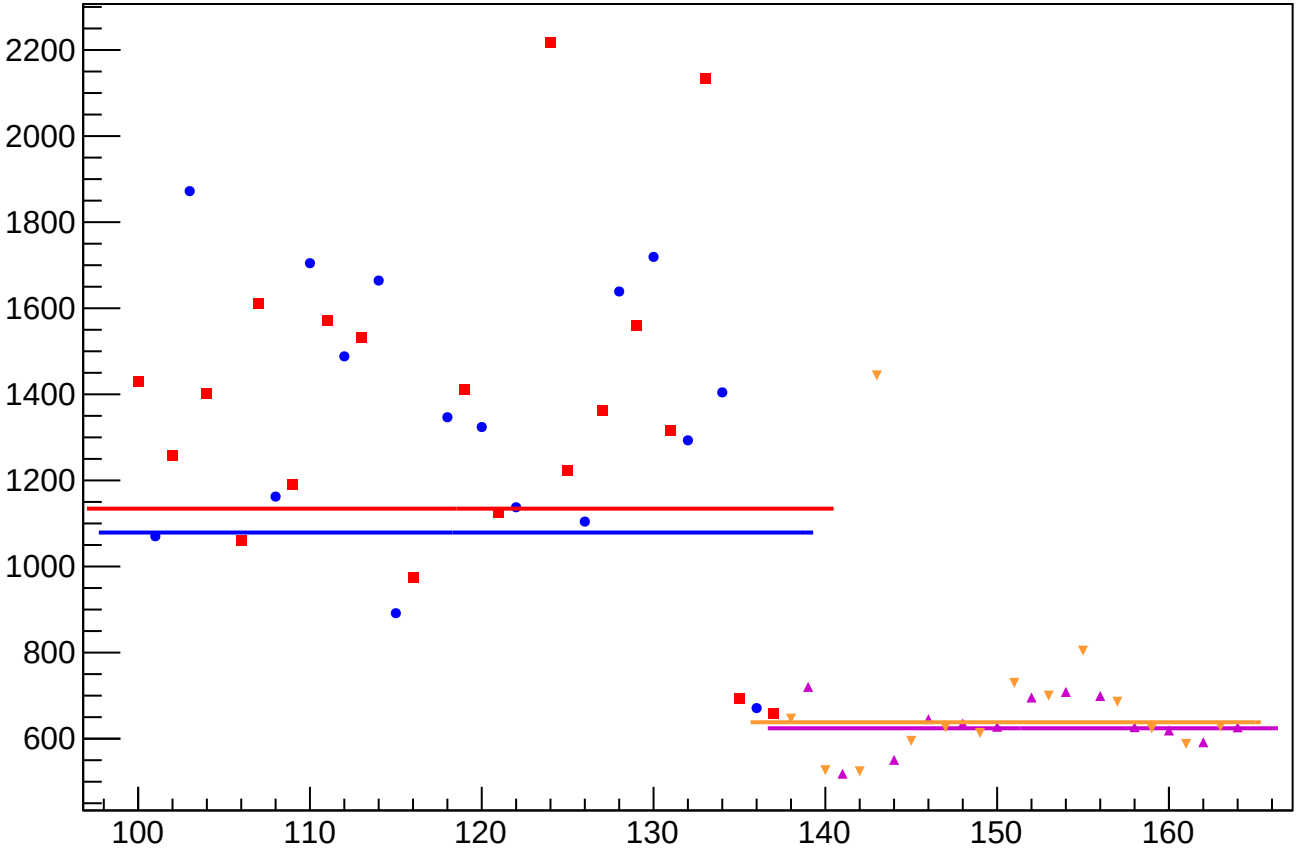
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 6.750+/-173.319 χ^2/NDF:32.9/28

Out: 634.834+/-177.971 χ^2/NDF:64.0/32

All: 312.477+/-124.167 χ^2/NDF: 103.3/61

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: 638.186+/-0.138 χ^2/NDF:763899.5/13

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.192+/-0.134 χ^2/NDF:203576.3/12

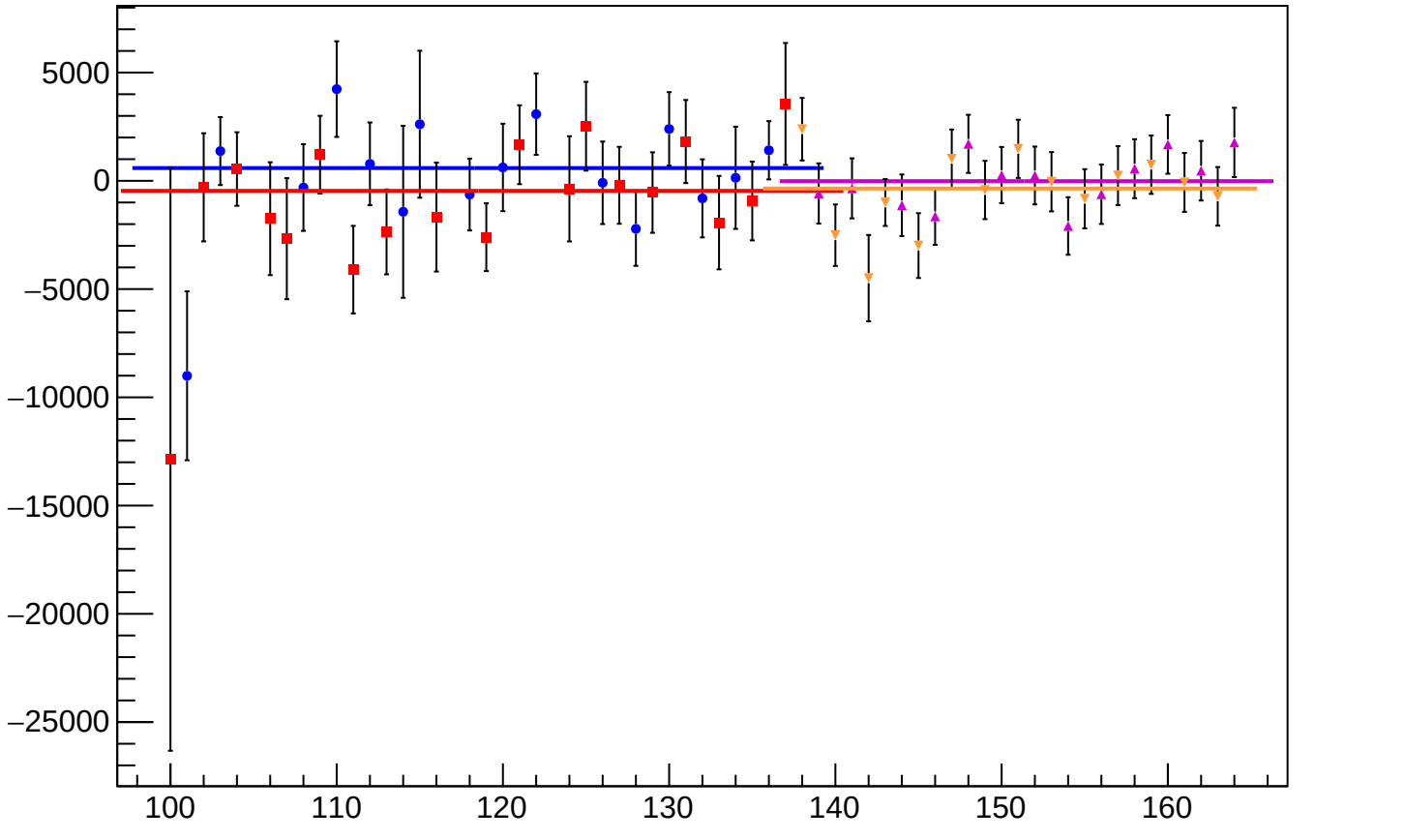
Left: 631.015+/-0.096 χ^2/NDF: 972779.1/26

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 699.584+/-0.123 χ^2/NDF:3586459.1/28

Out: 719.093+/-0.126 χ^2/NDF:4174682.5/32

All: 709.081+/-0.088 χ^2/NDF: 7773476.2/61



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -354.490+/-367.040 χ^2/NDF:17.7/13

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -13.991+/-380.144 χ^2/NDF:9.8/12

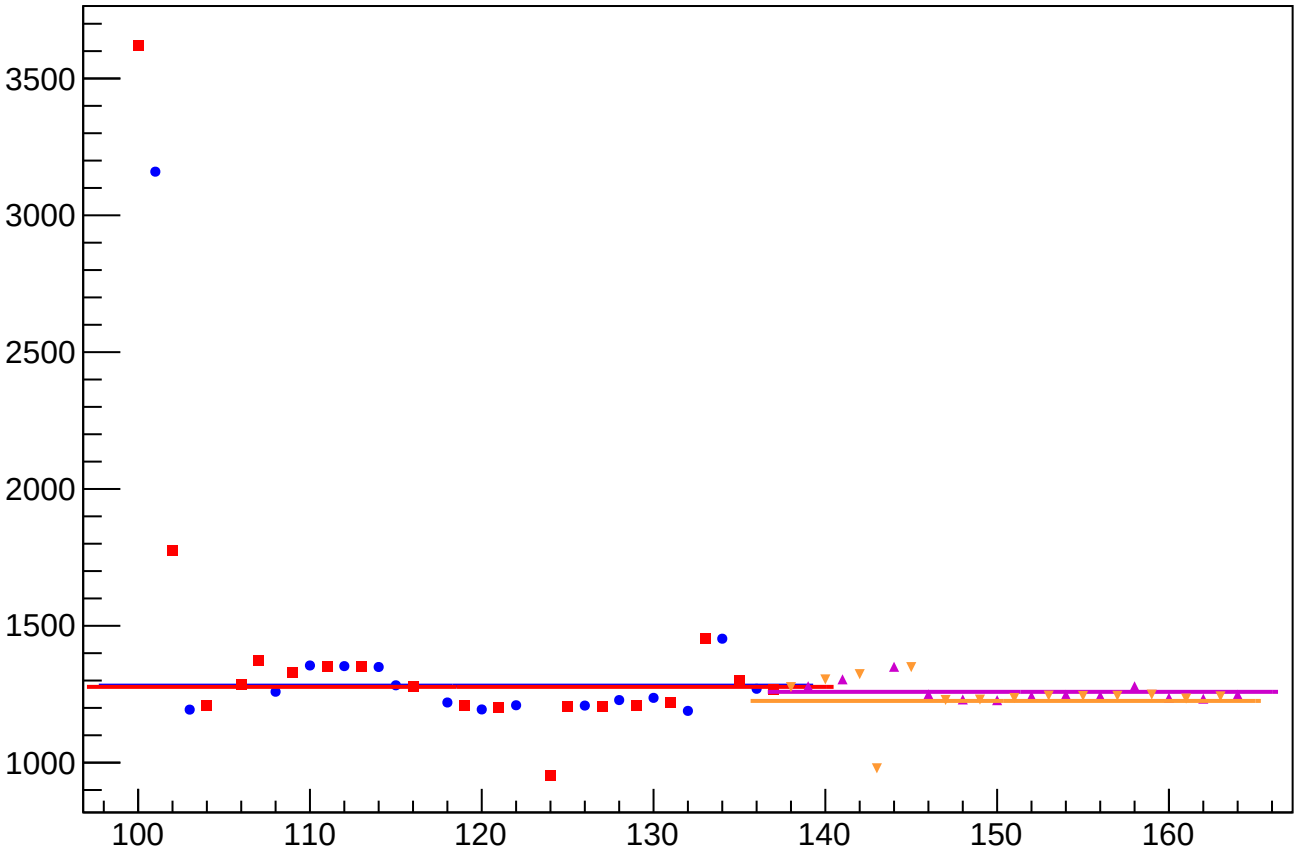
Left: -190.210+/-264.048 χ^2/NDF: 28.0/26

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 215.699+/-299.305 χ^2/NDF:27.9/28

Out: -394.719+/-290.844 χ^2/NDF:34.4/32

All: -98.260+/-208.585 χ^2/NDF: 64.5/61



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1225.528+/-0.260 χ^2/NDF:132461.8/13

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.0/12

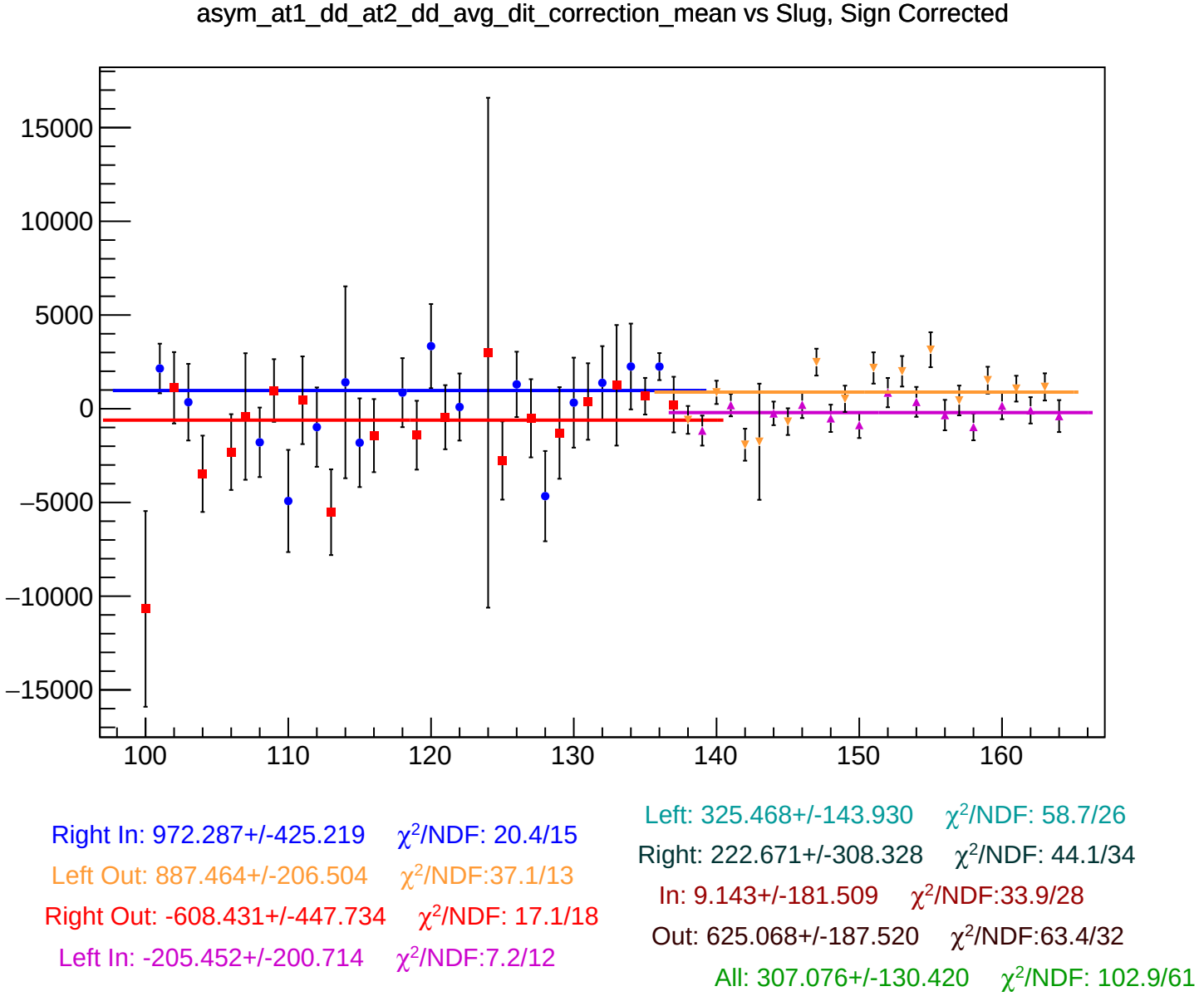
Left: 1241.532+/-0.187 χ^2/NDF: 155639.6/26

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

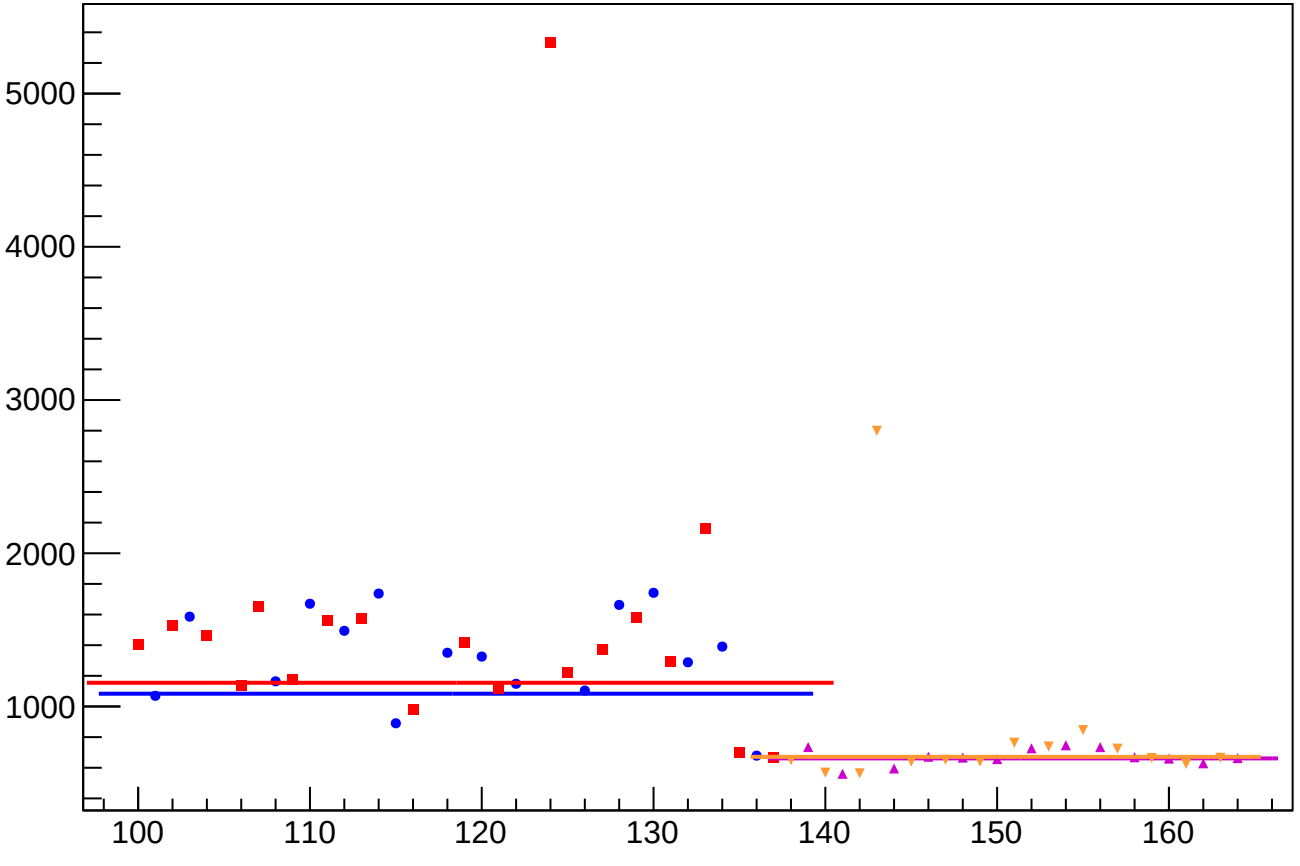
In: 1267.315+/-0.212 χ^2/NDF:525079.0/28

Out: 1244.629+/-0.206 χ^2/NDF:367531.3/32

All: 1255.647+/-0.147 χ^2/NDF: 898520.1/61


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 972.287+/-425.219 χ²/NDF: 20.4/15
Left Out: 887.464+/-206.504 χ²/NDF:37.1/13
Right Out: -608.431+/-447.734 χ²/NDF: 17.1/18
Left In: -205.452+/-200.714 χ²/NDF:7.2/12
Left: 325.468+/-143.930 χ²/NDF: 58.7/26
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: 9.143+/-181.509 χ²/NDF:33.9/28
Out: 625.068+/-187.520 χ²/NDF:63.4/32
All: 307.076+/-130.420 χ²/NDF: 102.9/61

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 671.408+/-0.146 χ^2/NDF:1166584.2/13

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 661.146+/-0.142 χ^2/NDF:153497.5/12

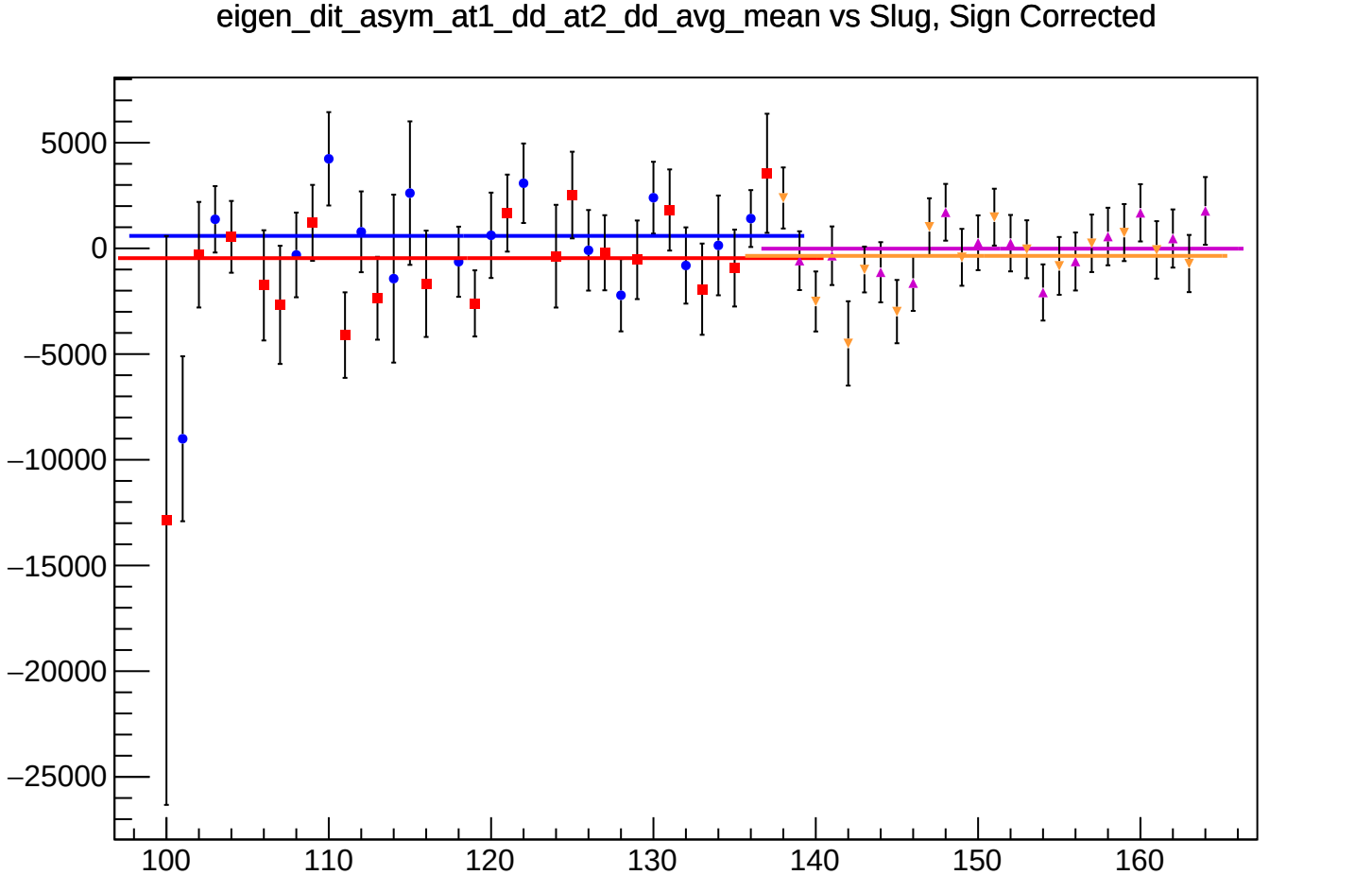
Left: 666.131+/-0.102 χ^2/NDF: 1322621.6/26

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 738.073+/-0.128 χ^2/NDF:3126005.3/28

Out: 756.187+/-0.133 χ^2/NDF:4576609.4/32

All: 746.835+/-0.092 χ^2/NDF: 7712249.7/61



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -354.493+/-367.040 χ^2/NDF:17.7/13

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -13.990+/-380.144 χ^2/NDF:9.8/12

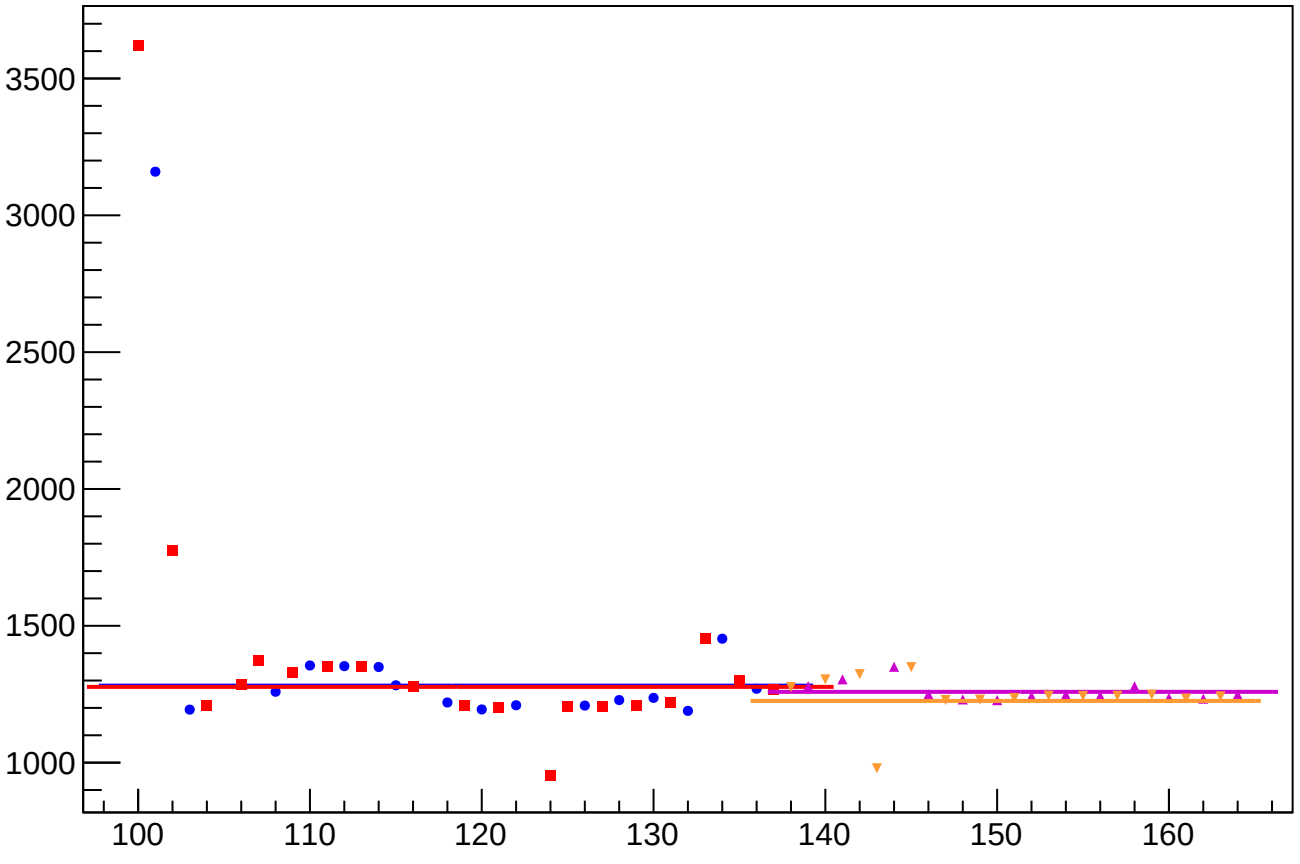
Left: -190.211+/-264.048 χ^2/NDF: 28.0/26

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 215.700+/-299.305 χ^2/NDF:27.9/28

Out: -394.721+/-290.844 χ^2/NDF:34.4/32

All: -98.260+/-208.585 χ^2/NDF: 64.5/61



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1225.528+/-0.260 χ^2/NDF:132461.0/13

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1258.698+/-0.269 χ^2/NDF:15297.1/12

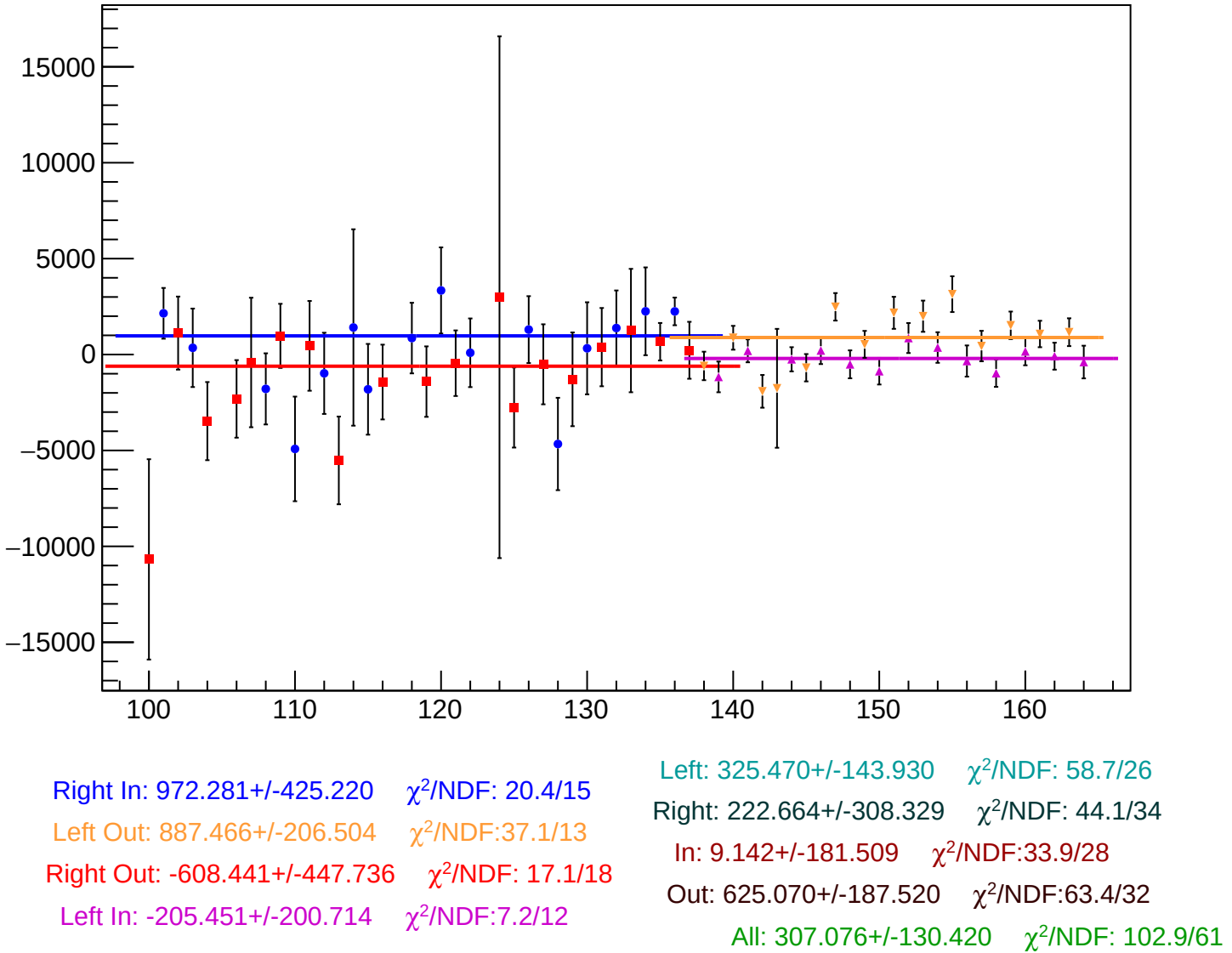
Left: 1241.532+/-0.187 χ^2/NDF: 155638.8/26

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1267.315+/-0.212 χ^2/NDF:525079.1/28

Out: 1244.629+/-0.206 χ^2/NDF:367530.3/32

All: 1255.647+/-0.147 χ^2/NDF: 898519.3/61


asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
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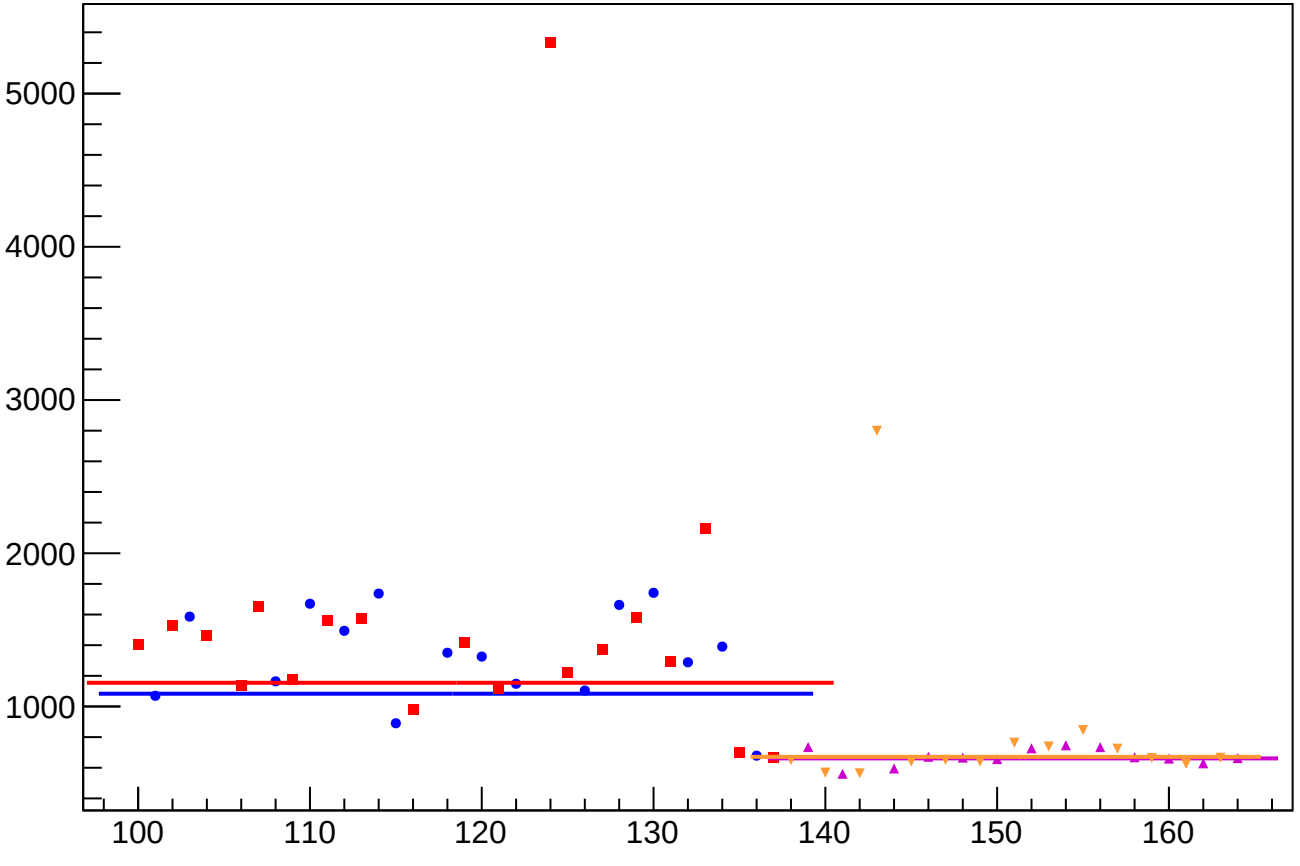
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 972.281+/-425.220 χ²/NDF: 20.4/15
Left Out: 887.466+/-206.504 χ²/NDF:37.1/13
Right Out: -608.441+/-447.736 χ²/NDF: 17.1/18
Left In: -205.451+/-200.714 χ²/NDF:7.2/12
Left: 325.470+/-143.930 χ²/NDF: 58.7/26
Right: 222.664+/-308.329 χ²/NDF: 44.1/34
In: 9.142+/-181.509 χ²/NDF:33.9/28
Out: 625.070+/-187.520 χ²/NDF:63.4/32
All: 307.076+/-130.420 χ²/NDF: 102.9/61

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: 671.409+/-0.146 χ^2/NDF:1166578.7/13

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 661.145+/-0.142 χ^2/NDF:153501.2/12

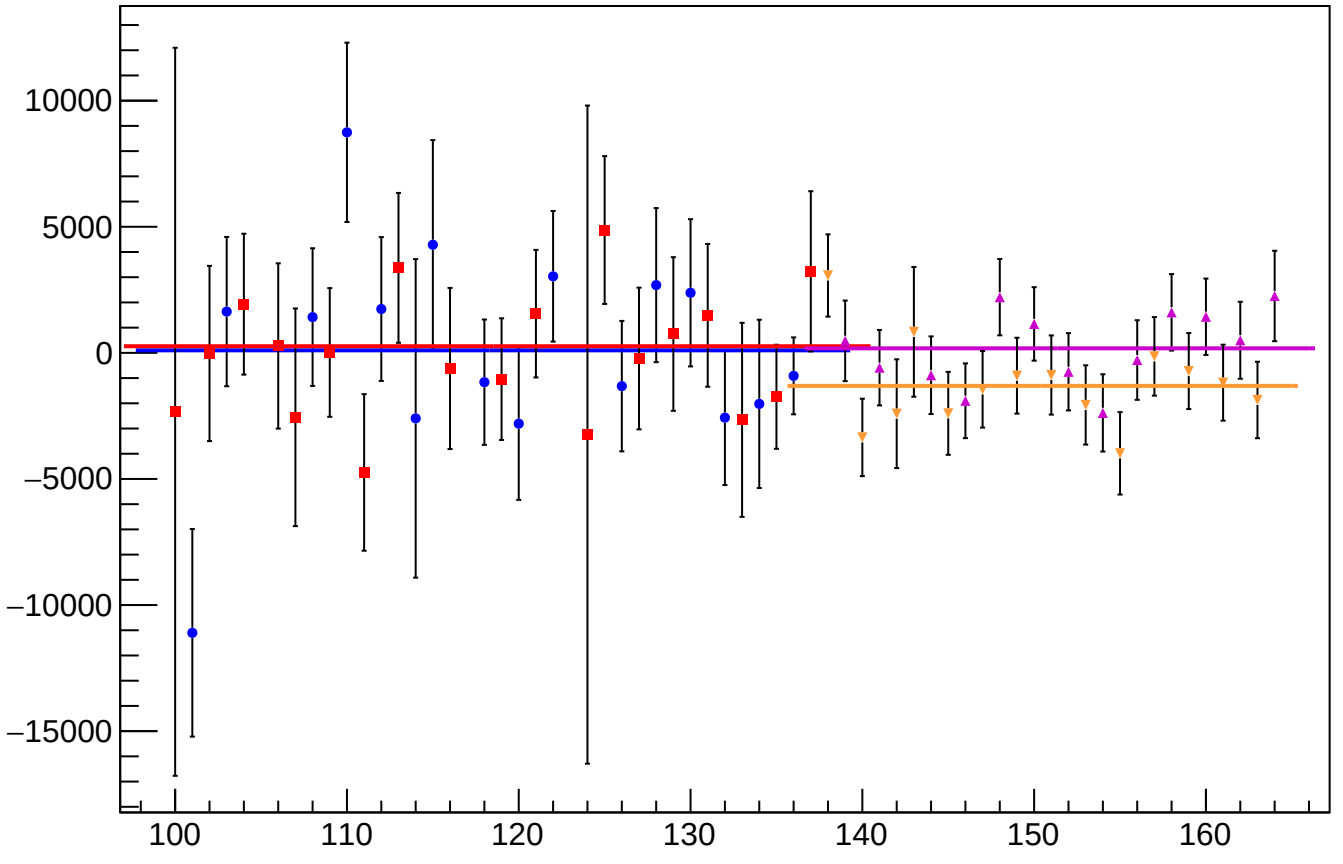
Left: 666.131+/-0.102 χ^2/NDF: 1322620.2/26

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 738.073+/-0.128 χ^2/NDF:3125994.6/28

Out: 756.188+/-0.133 χ^2/NDF:4576591.5/32

All: 746.835+/-0.092 χ^2/NDF: 7712222.2/61



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1308.541+/-433.341 χ^2/NDF:14.3/13

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 179.186+/-426.841 χ^2/NDF:11.2/12

Left: -553.437+/-304.094 χ^2/NDF: 31.5/26

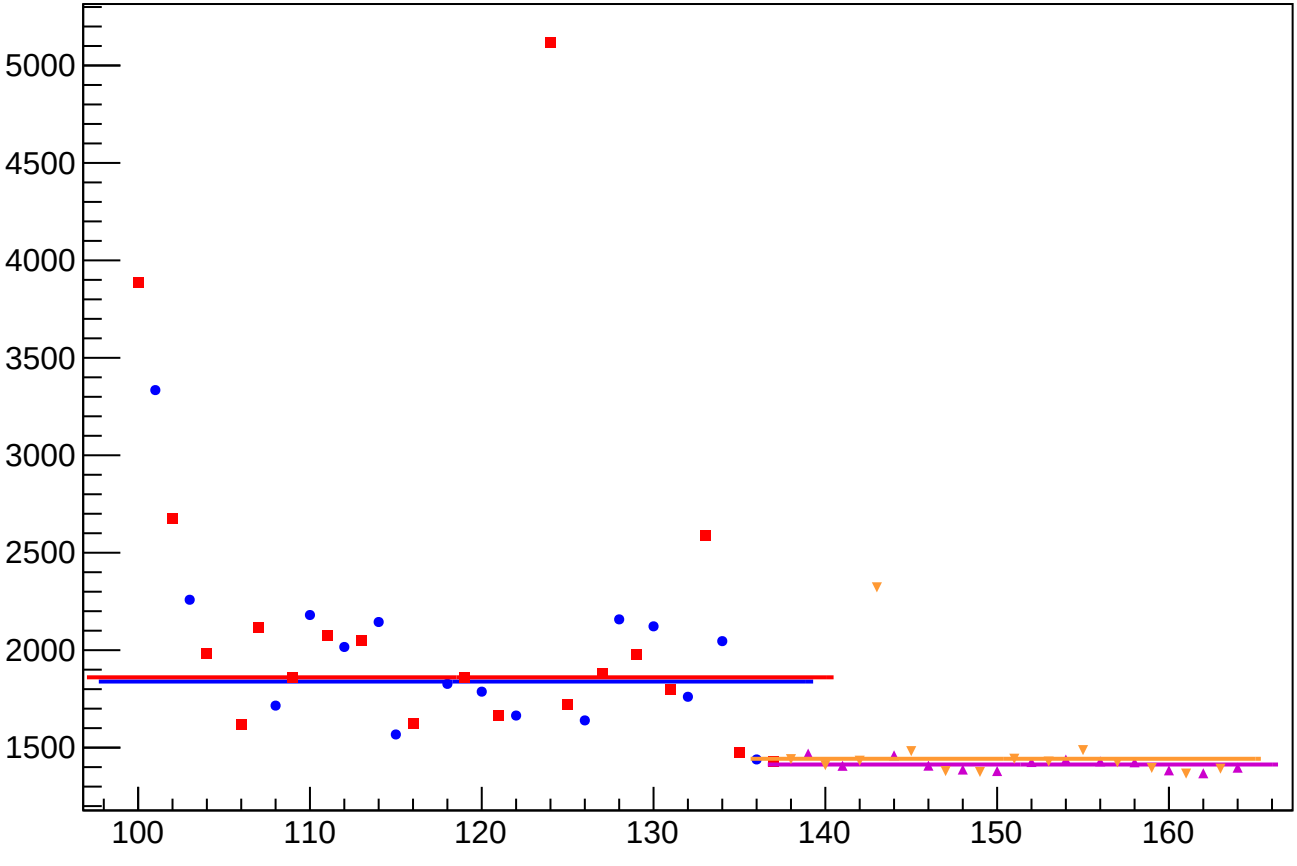
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 157.800+/-364.289 χ^2/NDF:32.5/28

Out: -872.963+/-368.412 χ^2/NDF:28.3/32

All: -351.780+/-259.037 χ^2/NDF: 64.7/61

asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1442.794+/-0.306 χ^2/NDF:254731.9/13

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1413.371+/-0.302 χ^2/NDF:9718.3/12

Left: 1427.860+/-0.215 χ^2/NDF: 269129.8/26

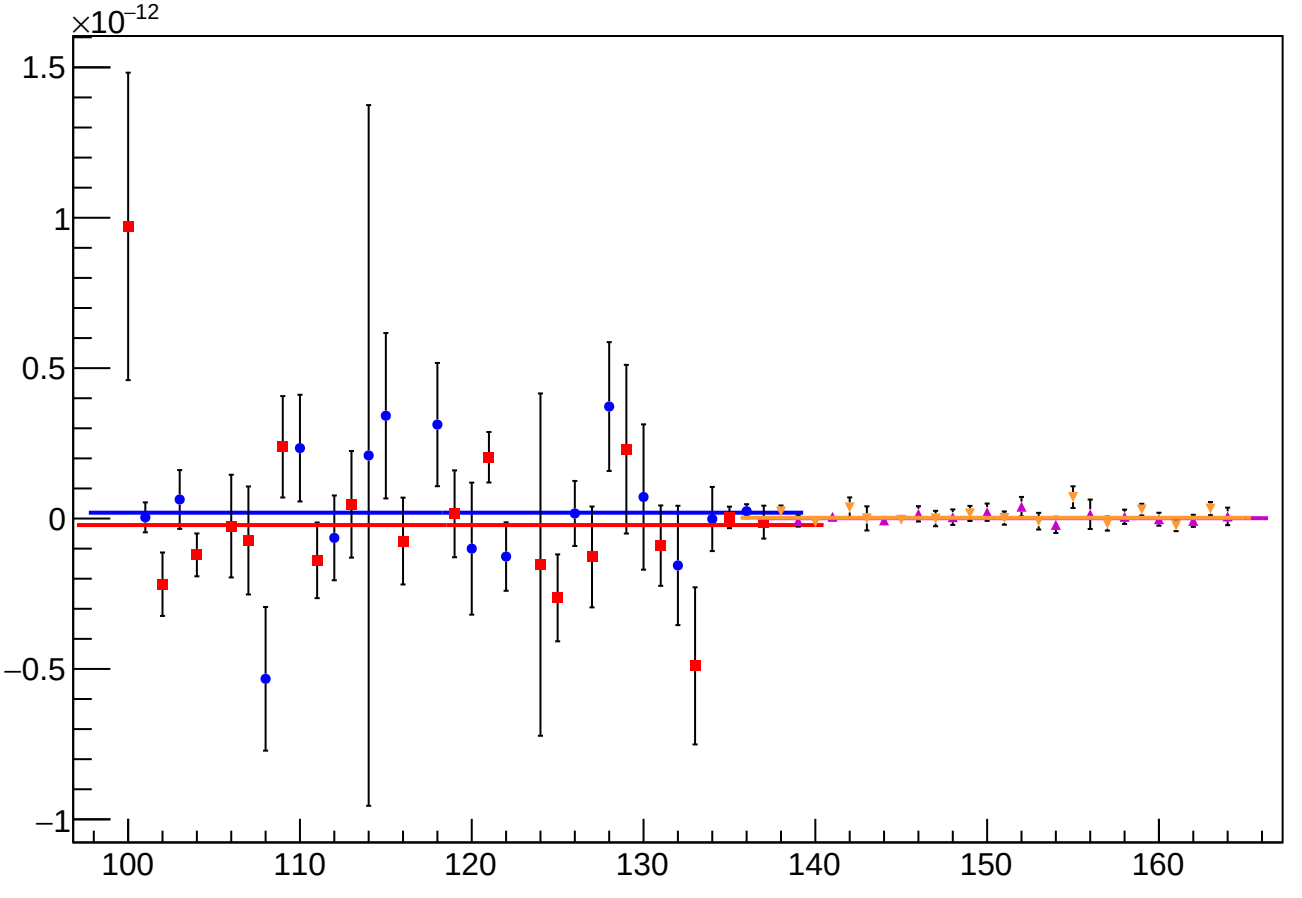
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1529.010+/-0.258 χ^2/NDF:1106887.6/28

Out: 1558.660+/-0.261 χ^2/NDF:1292624.2/32

All: 1543.668+/-0.183 χ^2/NDF: 2406061.6/61

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:14.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/12

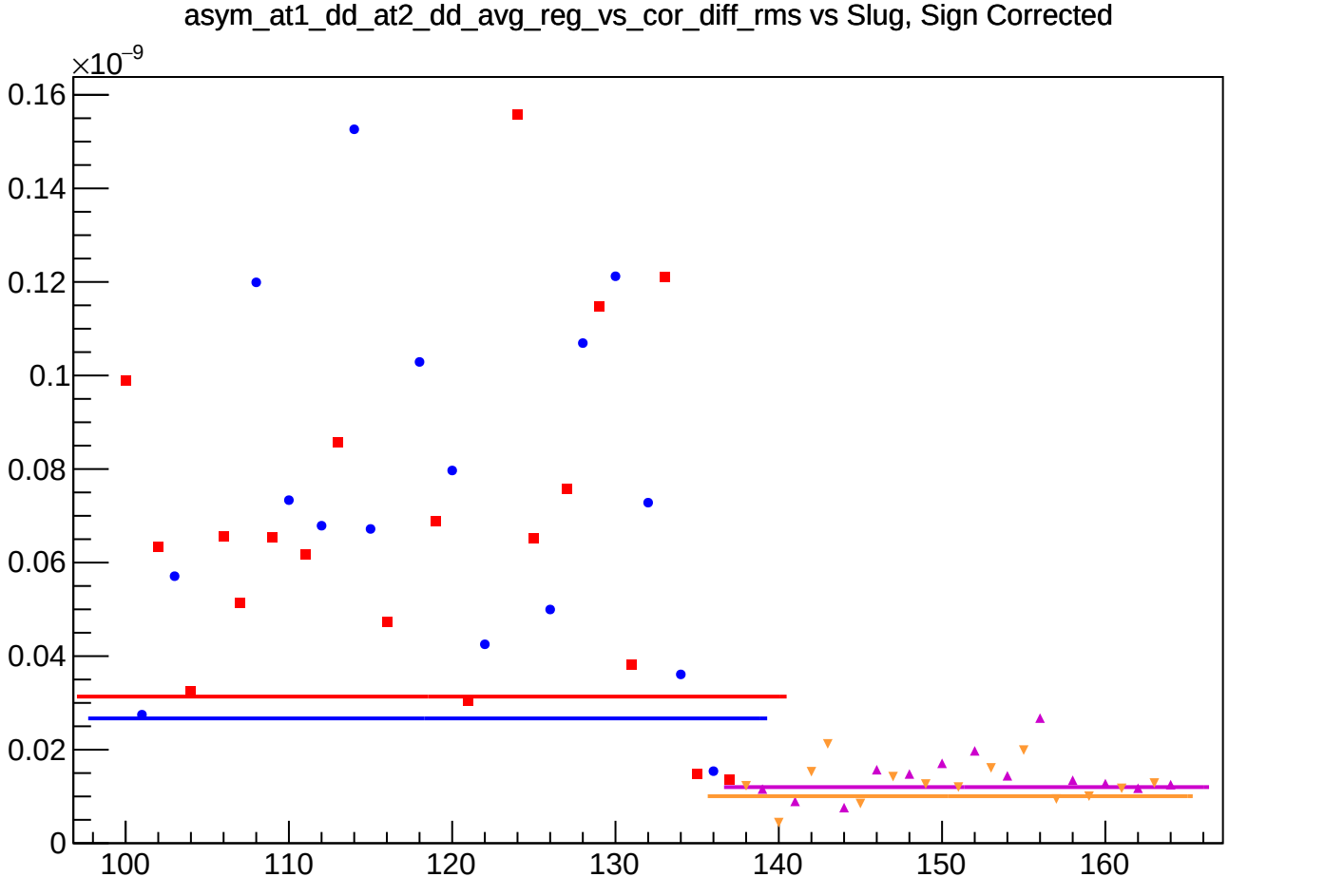
Left: 0.000+/-0.000 χ^2/NDF: 18.7/26

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

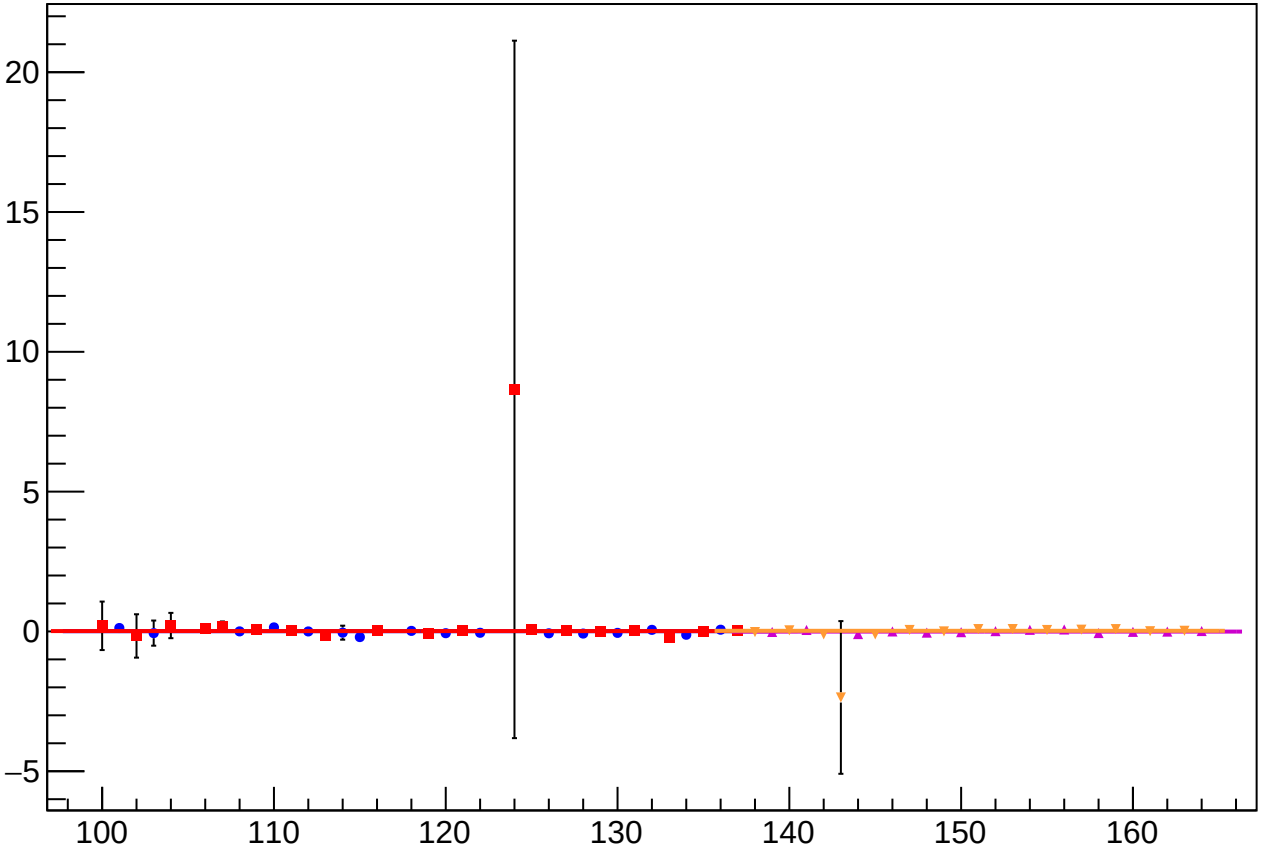
In: 0.000+/-0.000 χ^2/NDF:21.2/28

Out: 0.000+/-0.000 χ^2/NDF:44.0/32

All: 0.000+/-0.000 χ^2/NDF: 65.3/61


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1192092.8/13
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:741129.2/12
Left: 0.000+/-0.000 χ²/NDF: 2045419.7/26
Right: 0.000+/-0.000 χ²/NDF: 4906978.5/34
In: 0.000+/-0.000 χ²/NDF:4425422.1/28
Out: 0.000+/-0.000 χ²/NDF:5188140.2/32
All: 0.000+/-0.000 χ²/NDF: 9761557.1/61

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.008+/-0.009 χ^2/NDF: 28.4/26

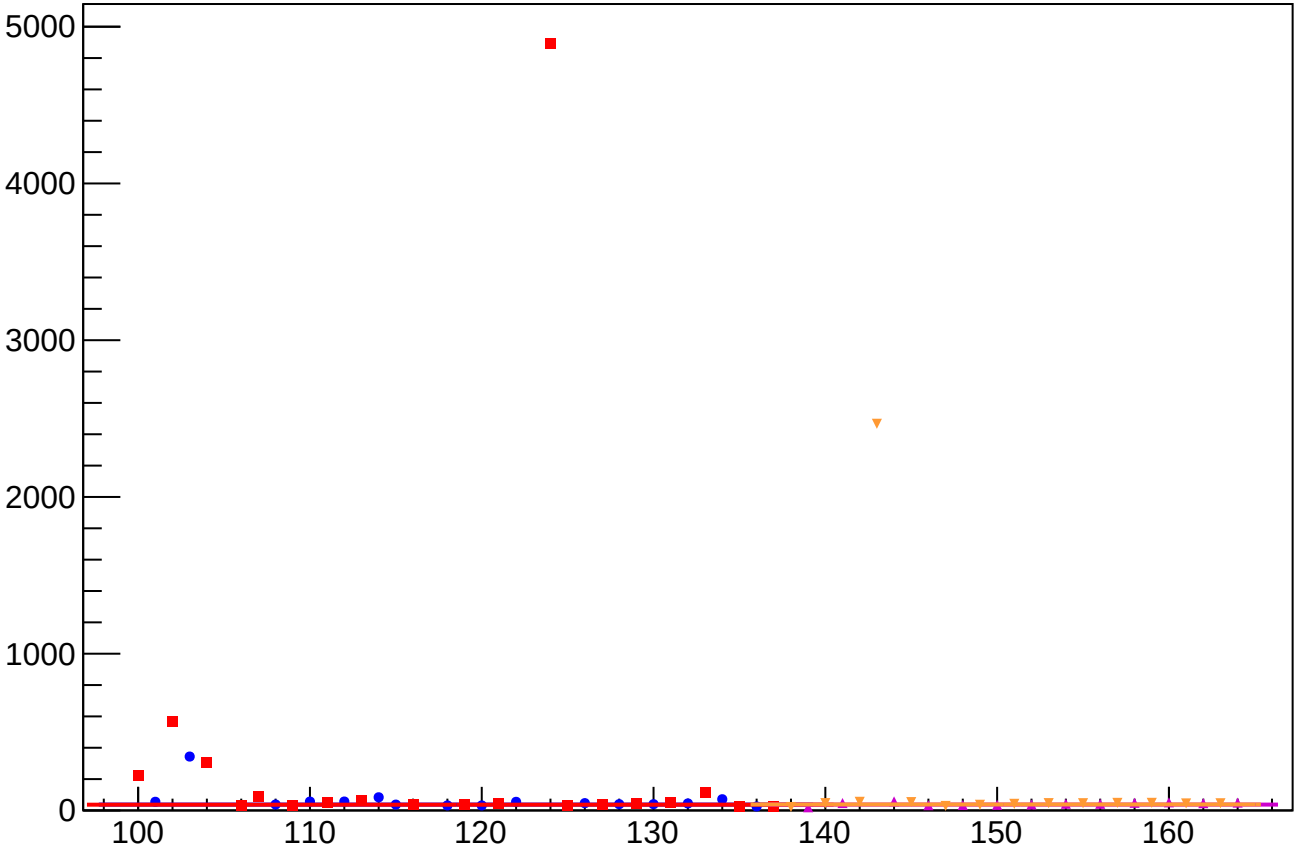
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/61

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: 38.280+/-0.009 χ^2/NDF:2954203.2/13

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

Left: 37.826+/-0.006 χ^2/NDF: 4443987.2/26

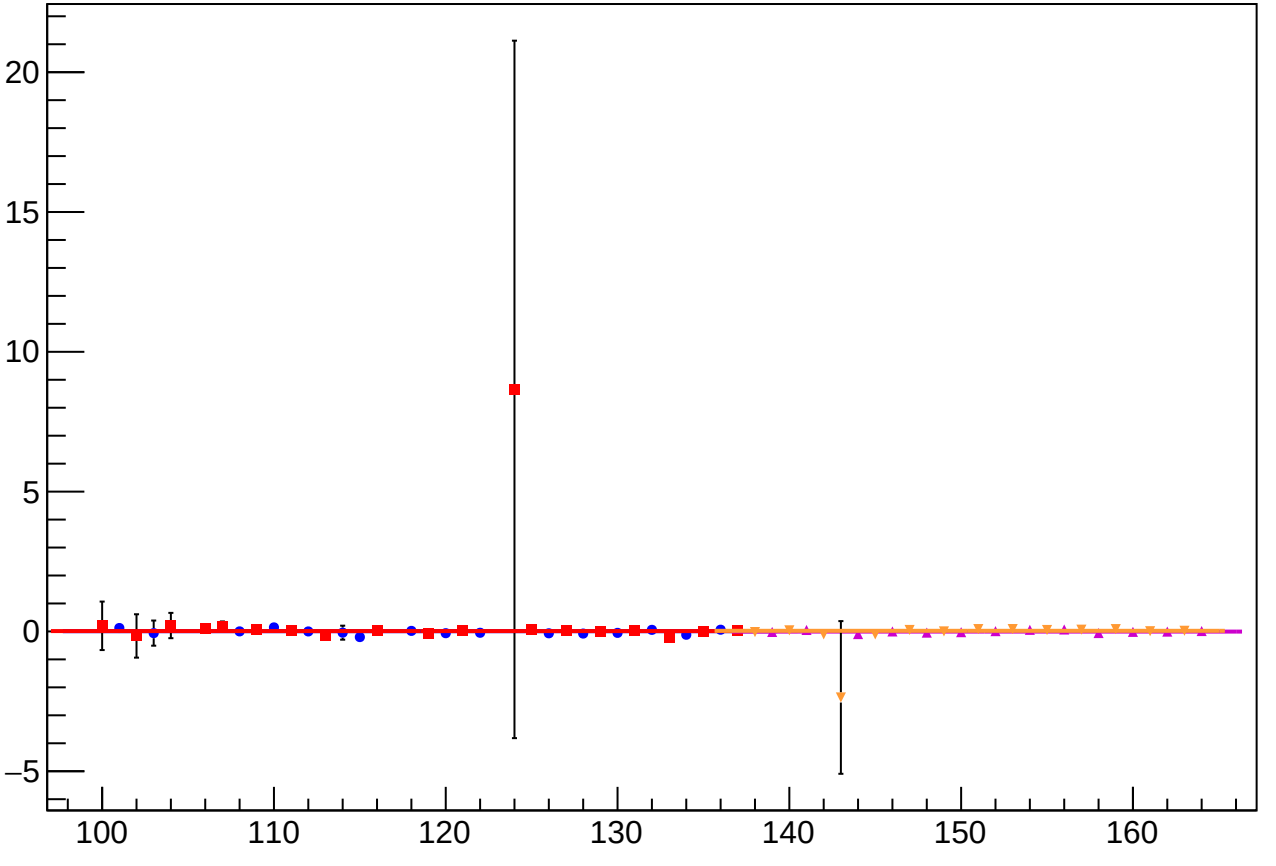
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.439+/-0.007 χ^2/NDF:3468363.5/28

Out: 37.709+/-0.007 χ^2/NDF:6155217.4/32

All: 37.569+/-0.005 χ^2/NDF: 9624302.9/61

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.008+/-0.009 χ^2/NDF: 28.4/26

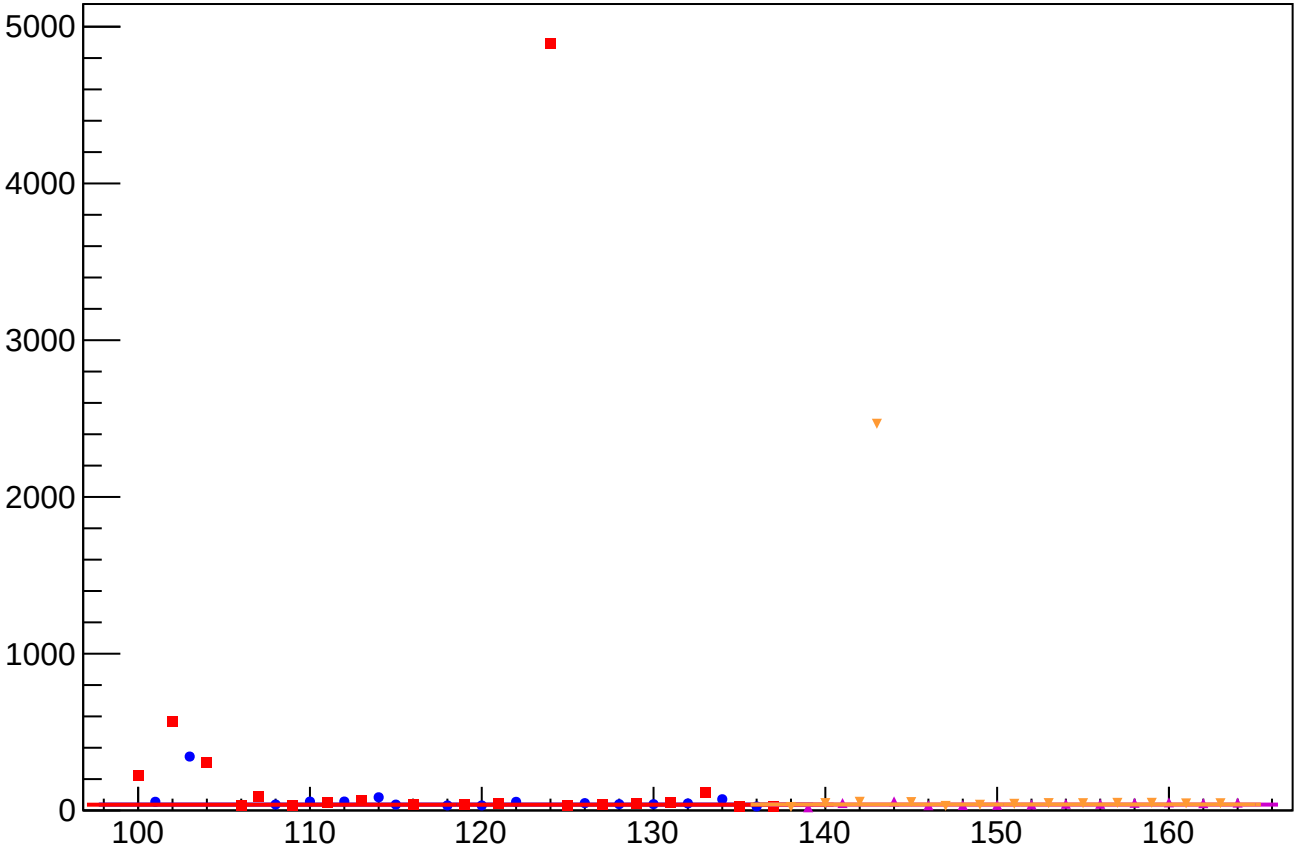
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/61

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: 38.280+/-0.009 χ^2/NDF:2954203.2/13

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 37.406+/-0.009 χ^2/NDF:1485050.3/12

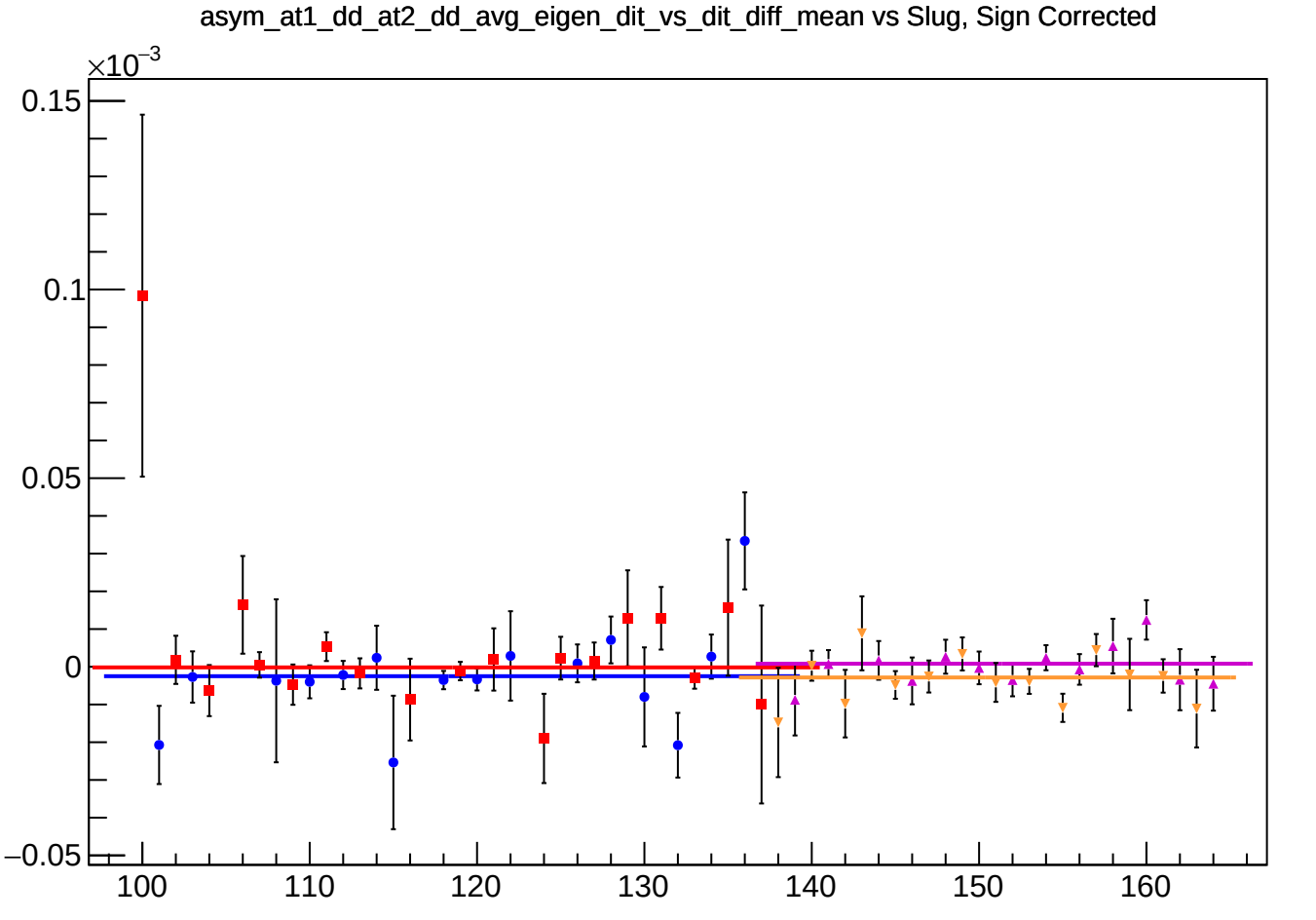
Left: 37.826+/-0.006 χ^2/NDF: 4443987.2/26

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.439+/-0.007 χ^2/NDF:3468363.5/28

Out: 37.709+/-0.007 χ^2/NDF:6155217.4/32

All: 37.569+/-0.005 χ^2/NDF: 9624302.9/61



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/12

Left: -0.000+/-0.000 χ^2/NDF: 27.2/26

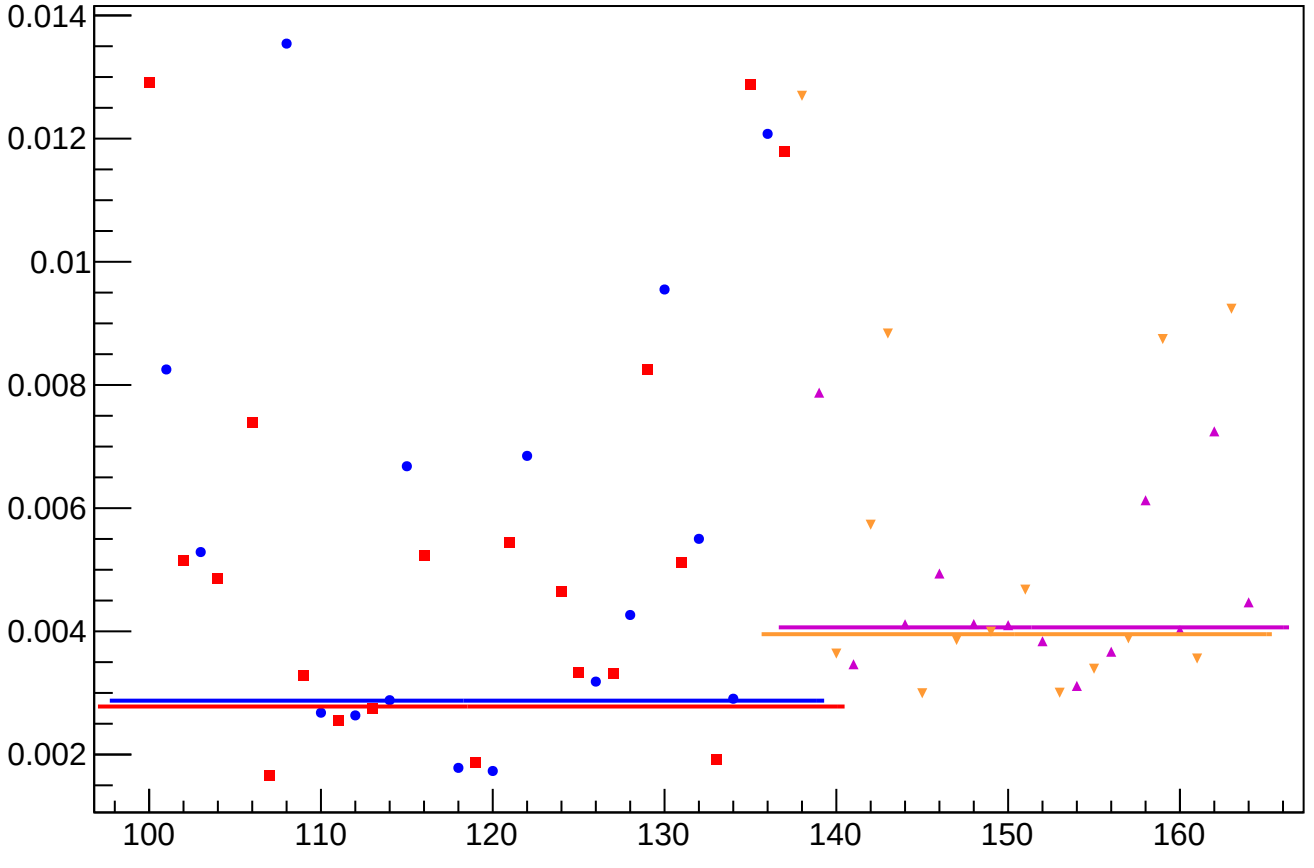
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:34.3/28

Out: -0.000+/-0.000 χ^2/NDF:35.2/32

All: -0.000+/-0.000 χ^2/NDF: 69.7/61

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:2757880.6/13

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1084023.3/12

Left: 0.004+/-0.000 χ^2/NDF: 3848936.3/26

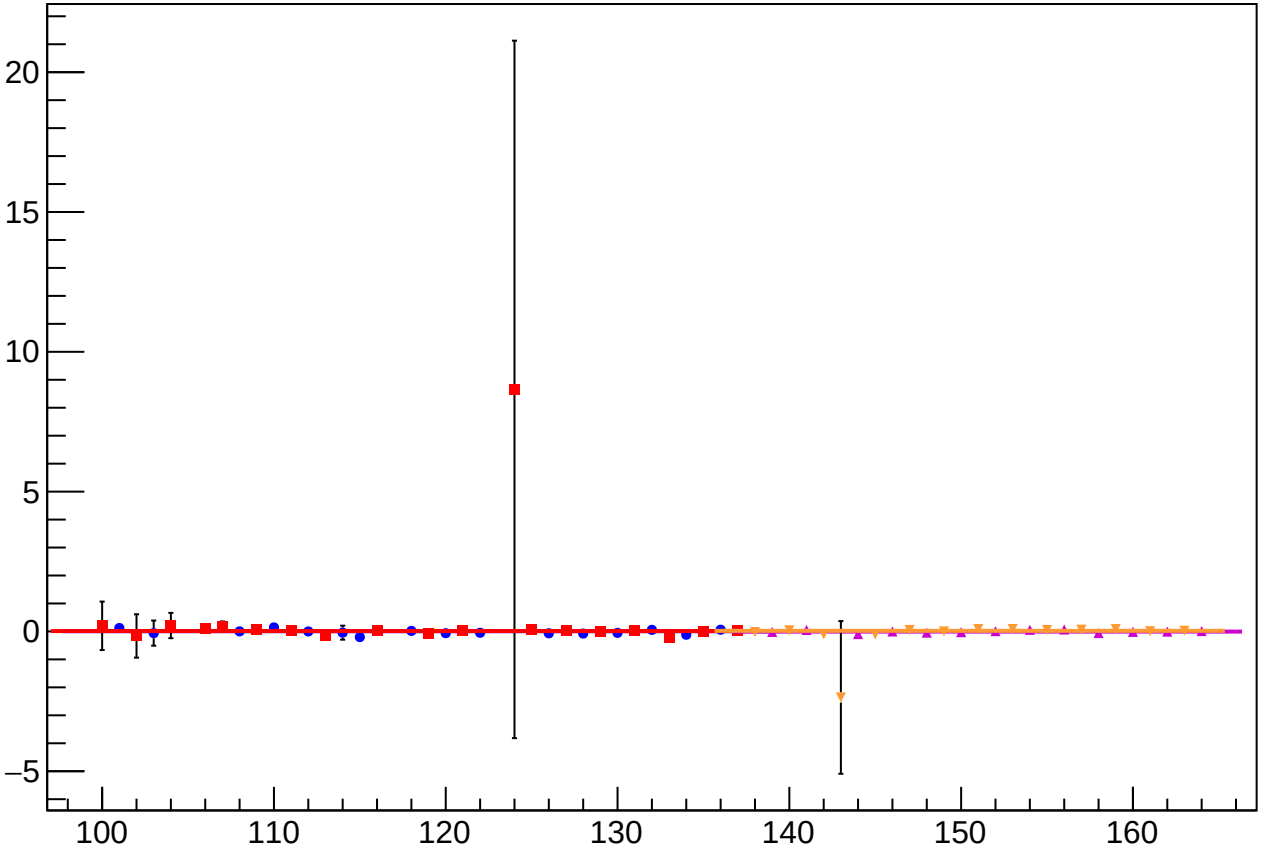
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:6037958.7/28

Out: 0.003+/-0.000 χ^2/NDF:6975228.6/32

All: 0.003+/-0.000 χ^2/NDF: 13036319.8/61

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.008+/-0.009 χ^2/NDF: 28.4/26

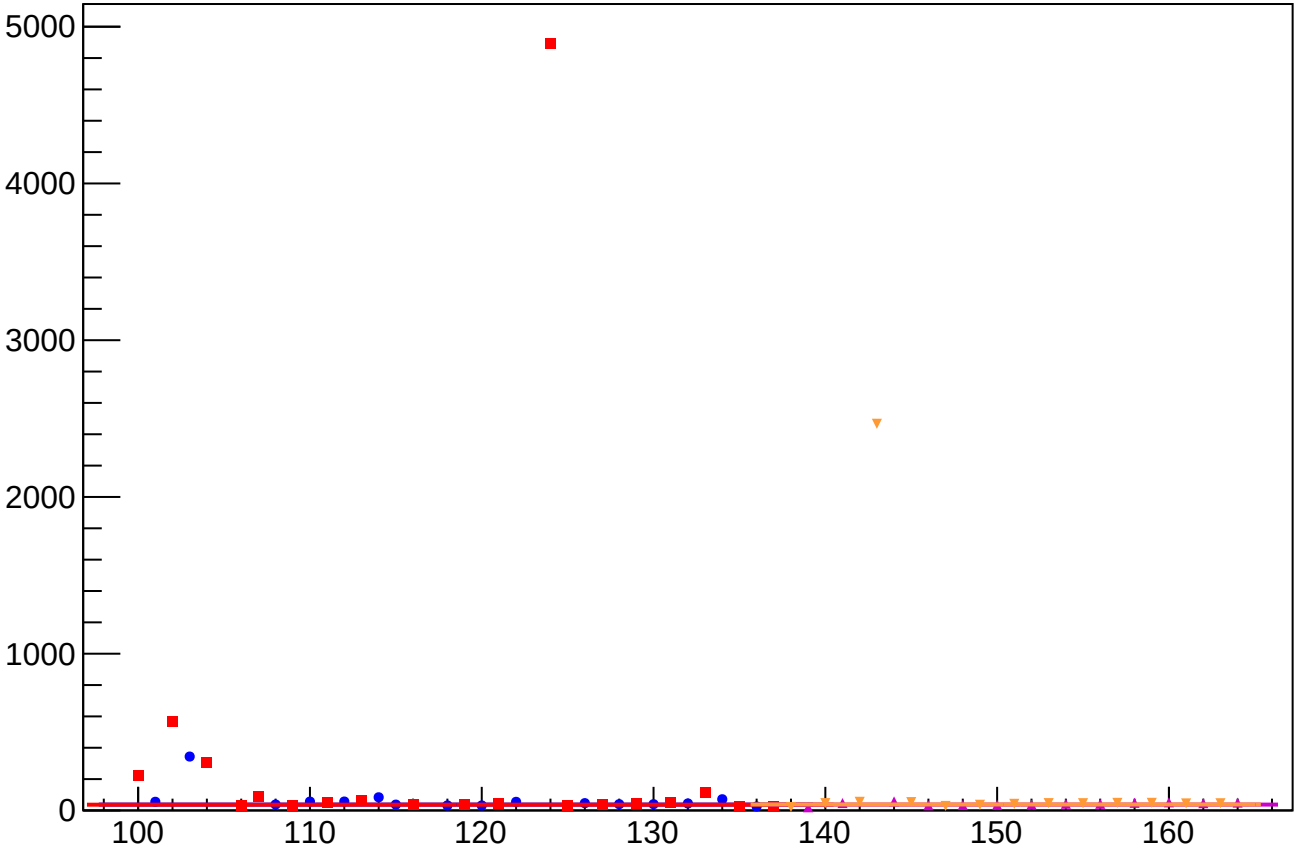
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/61

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: 38.277+/-0.009 χ^2/NDF:2954726.6/13

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

Left: 37.826+/-0.006 χ^2/NDF: 4443197.6/26

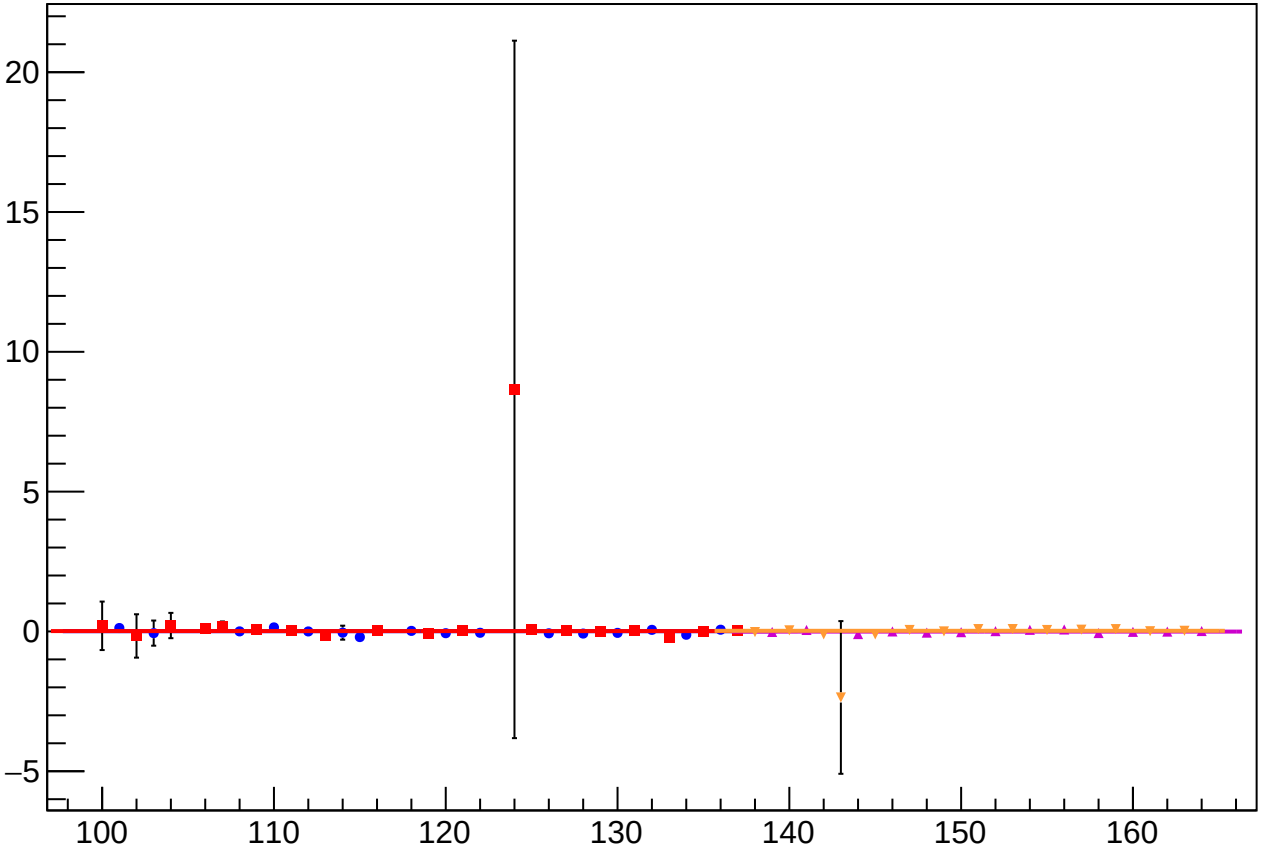
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.441+/-0.007 χ^2/NDF:3467039.0/28

Out: 37.708+/-0.007 χ^2/NDF:6155381.3/32

All: 37.569+/-0.005 χ^2/NDF: 9623126.4/61

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.012 χ^2/NDF:9.7/12

Left: 0.008+/-0.009 χ^2/NDF: 28.4/26

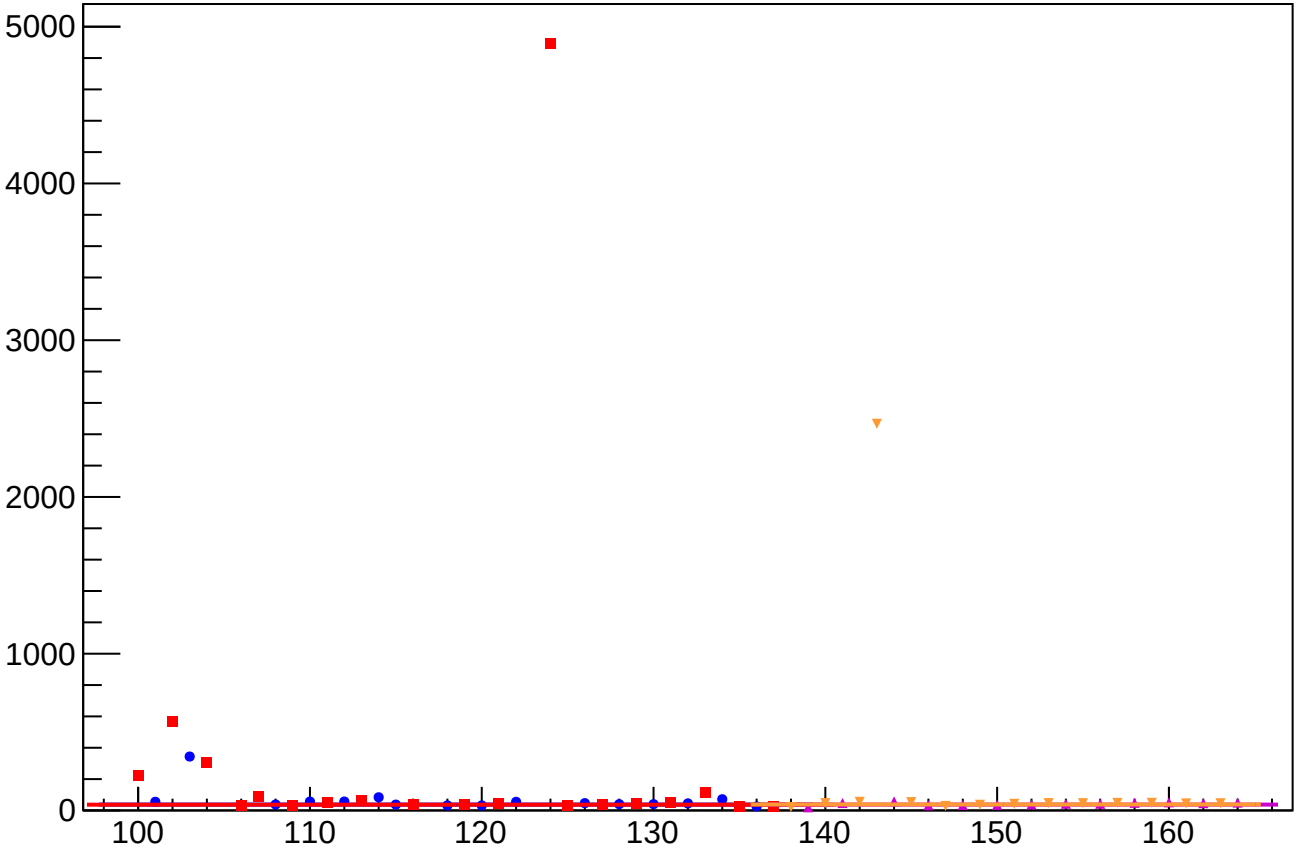
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.000+/-0.010 χ^2/NDF:29.5/28

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/61

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: 38.277+/-0.009 χ^2/NDF:2954726.6/13

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 37.409+/-0.009 χ^2/NDF:1483796.9/12

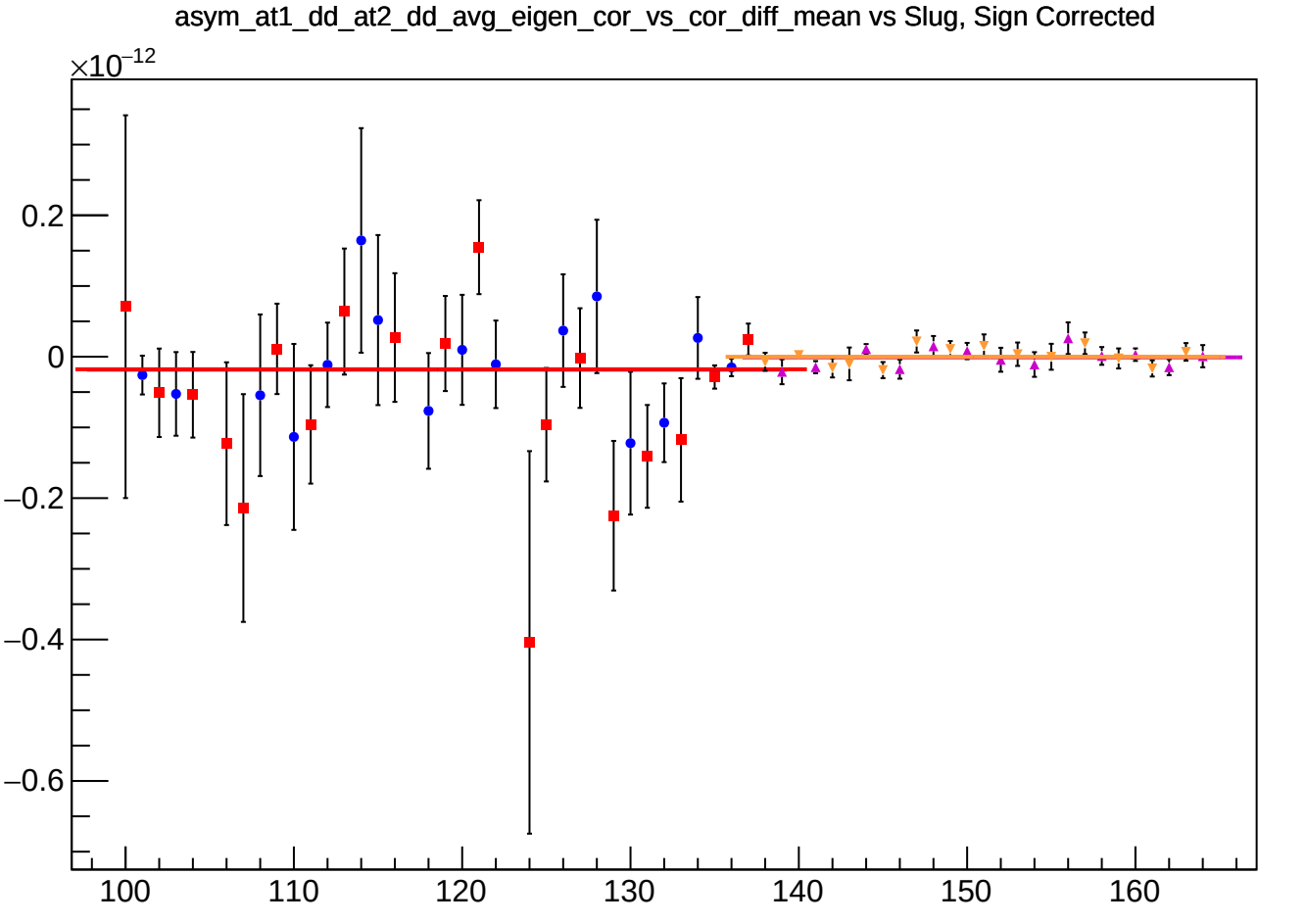
Left: 37.826+/-0.006 χ^2/NDF: 4443197.6/26

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

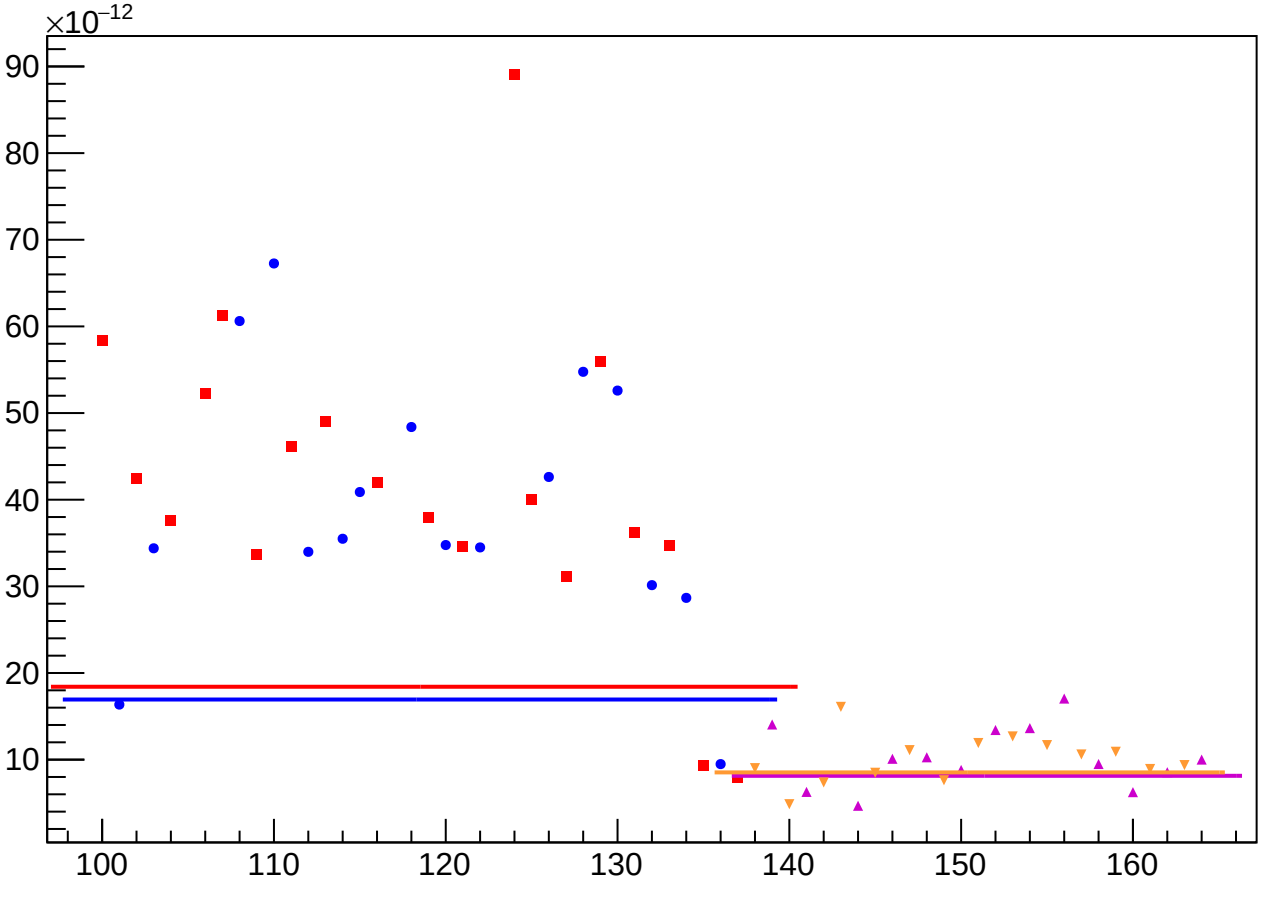
In: 37.441+/-0.007 χ^2/NDF:3467039.0/28

Out: 37.708+/-0.007 χ^2/NDF:6155381.3/32

All: 37.569+/-0.005 χ^2/NDF: 9623126.4/61


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
160
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: -0.000+/-0.000 χ²/NDF:12.4/13
Right Out: -0.000+/-0.000 χ²/NDF: 27.3/18
Left In: -0.000+/-0.000 χ²/NDF:13.6/12
Left: -0.000+/-0.000 χ²/NDF: 26.1/26
Right: -0.000+/-0.000 χ²/NDF: 35.6/34
In: -0.000+/-0.000 χ²/NDF:24.7/28
Out: -0.000+/-0.000 χ²/NDF:42.1/32
All: -0.000+/-0.000 χ²/NDF: 66.8/61

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1265752.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1751011.9/12

Left: 0.000+/-0.000 χ^2/NDF: 3030949.5/26

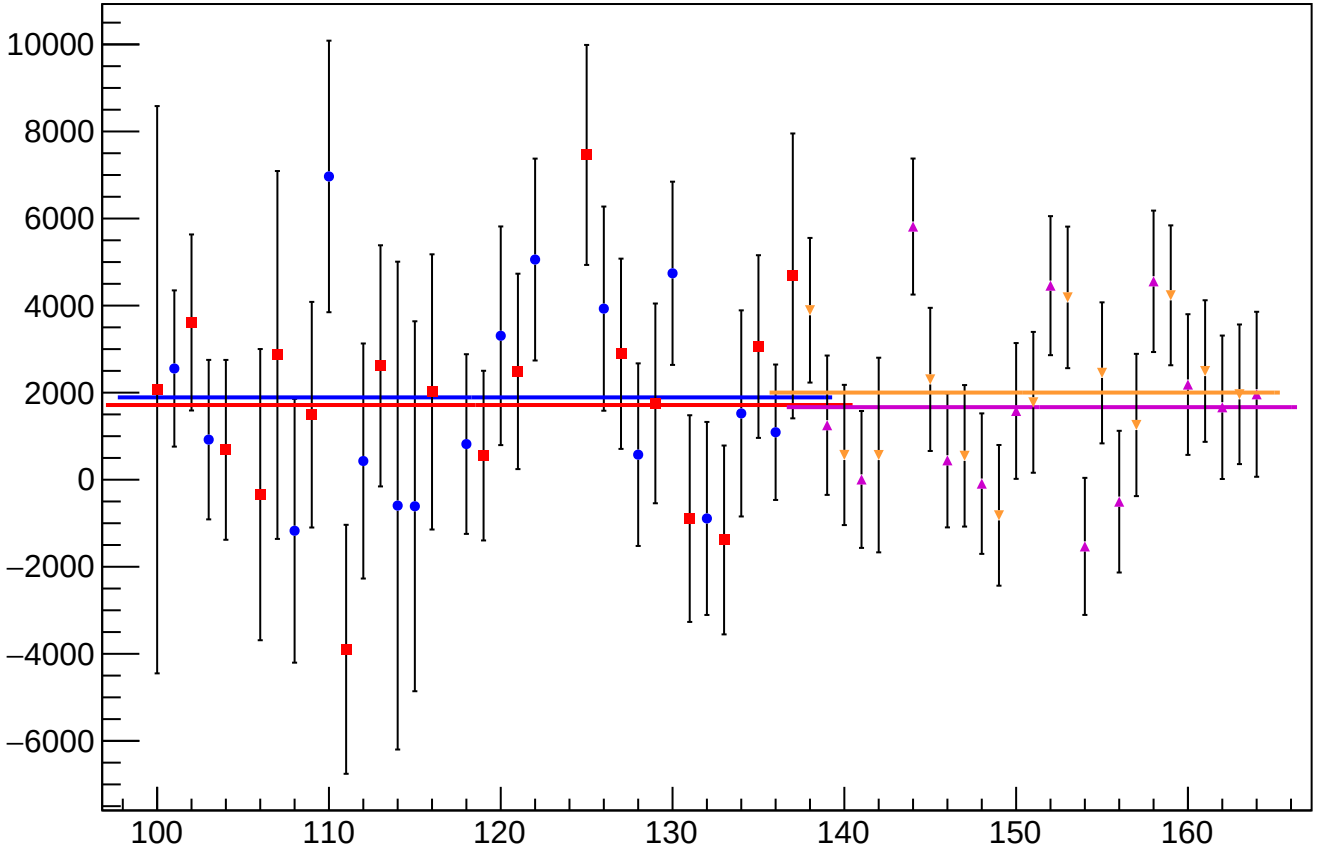
Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6382475.3/28

Out: 0.000+/-0.000 χ^2/NDF:6404684.6/32

All: 0.000+/-0.000 χ^2/NDF: 12801042.7/61

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2001.775+/-458.886 χ^2/NDF:10.5/12

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1666.953+/-447.128 χ^2/NDF:22.3/12

Left: 1830.020+/-320.243 χ^2/NDF: 33.1/25

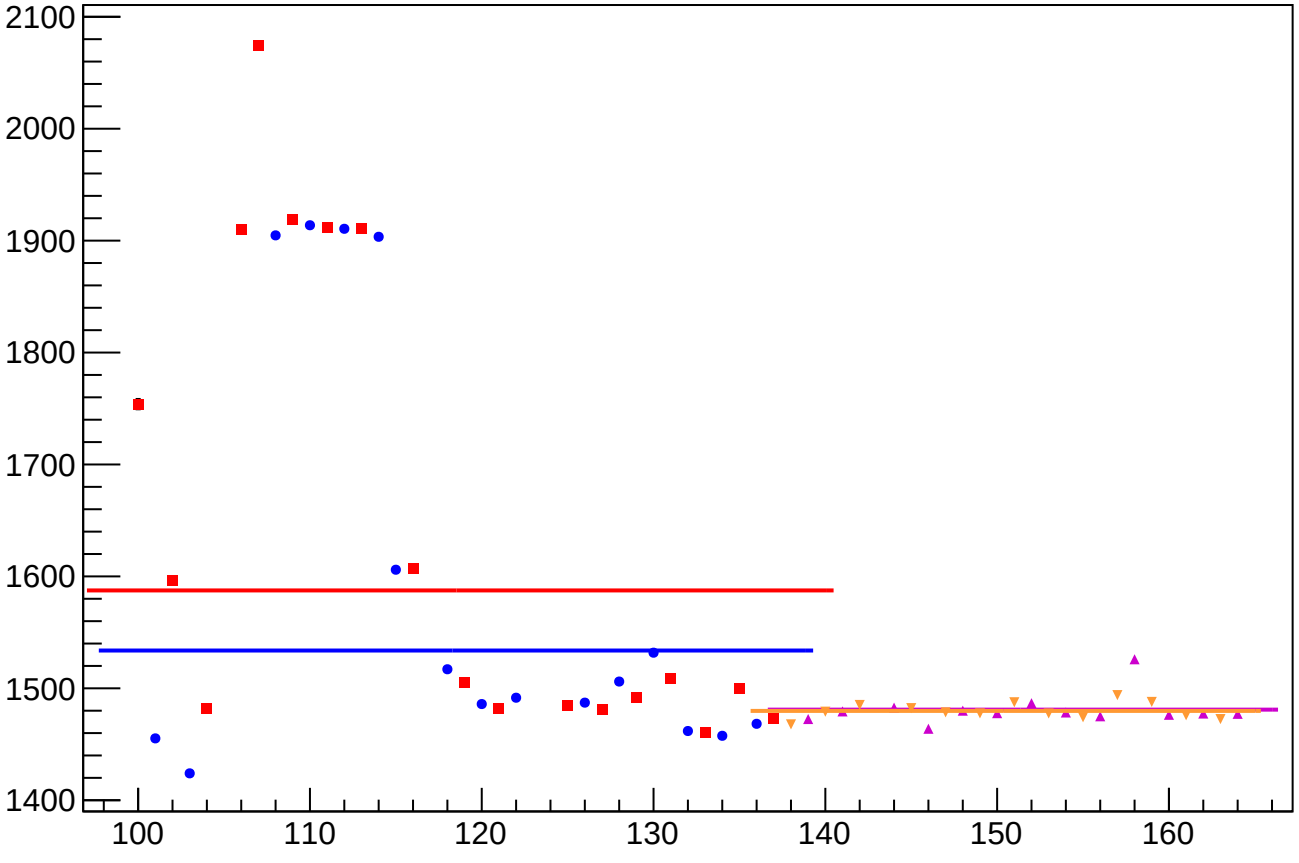
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1752.059+/-352.329 χ^2/NDF:34.6/28

Out: 1893.917+/-362.112 χ^2/NDF:26.6/30

All: 1821.046+/-252.522 χ^2/NDF: 61.3/59

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1479.819+/-0.324 χ^2/NDF:451.5/12

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1480.952+/-0.316 χ^2/NDF:1939.4/12

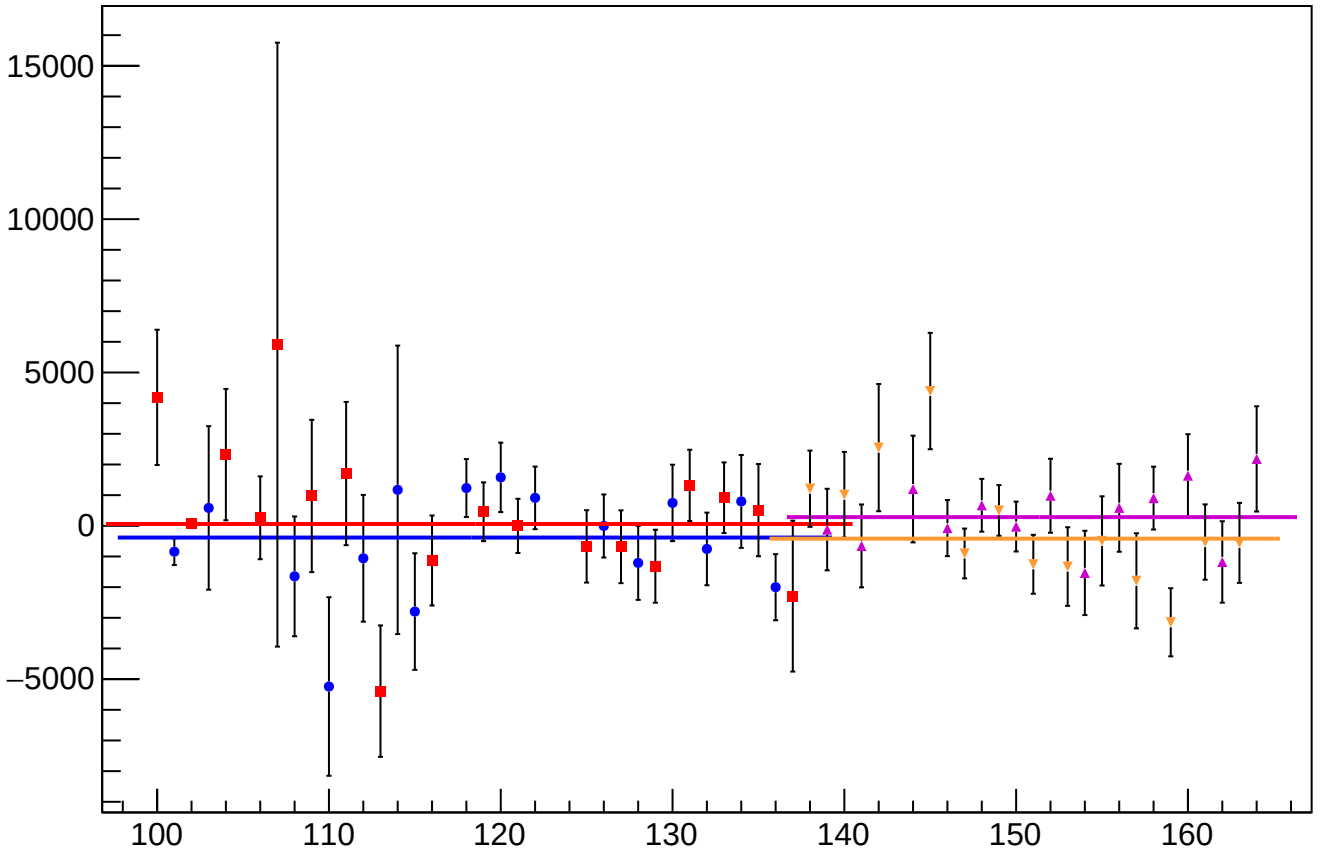
Left: 1480.400+/-0.226 χ^2/NDF: 2397.1/25

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1500.975+/-0.249 χ^2/NDF:141790.6/28

Out: 1520.433+/-0.256 χ^2/NDF:213961.8/30

All: 1510.437+/-0.179 χ^2/NDF: 358718.9/59



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -418.809+/-328.122 χ^2/NDF:20.9/12

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 283.344+/-322.572 χ^2/NDF:7.3/12

Left: -61.743+/-230.030 χ^2/NDF: 30.5/25

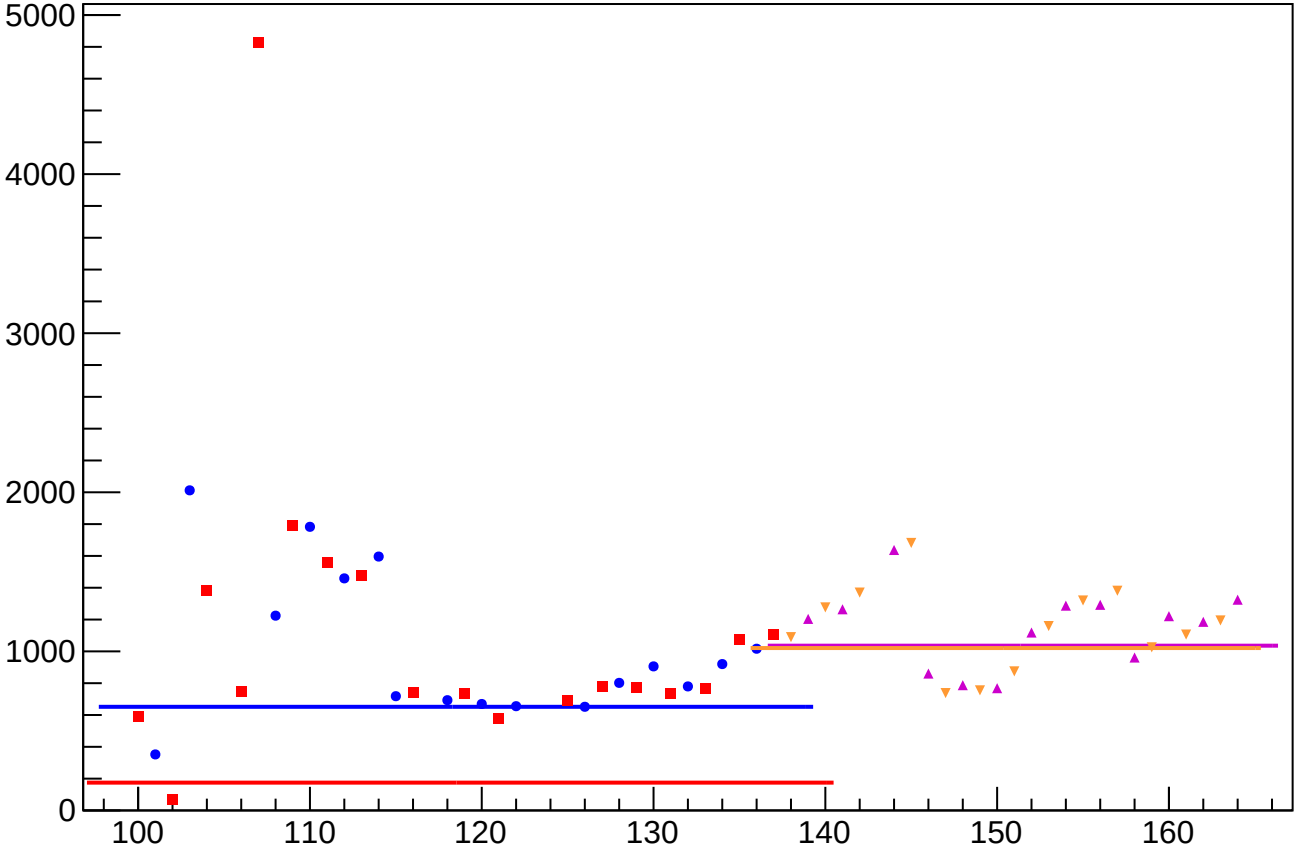
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -105.724+/-208.035 χ^2/NDF:28.0/28

Out: -3.009+/-119.006 χ^2/NDF:40.6/30

All: -28.334+/-103.298 χ^2/NDF: 68.7/59

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1020.901+/-0.232 χ^2/NDF:1128846.2/12

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1035.790+/-0.228 χ^2/NDF:1055459.3/12

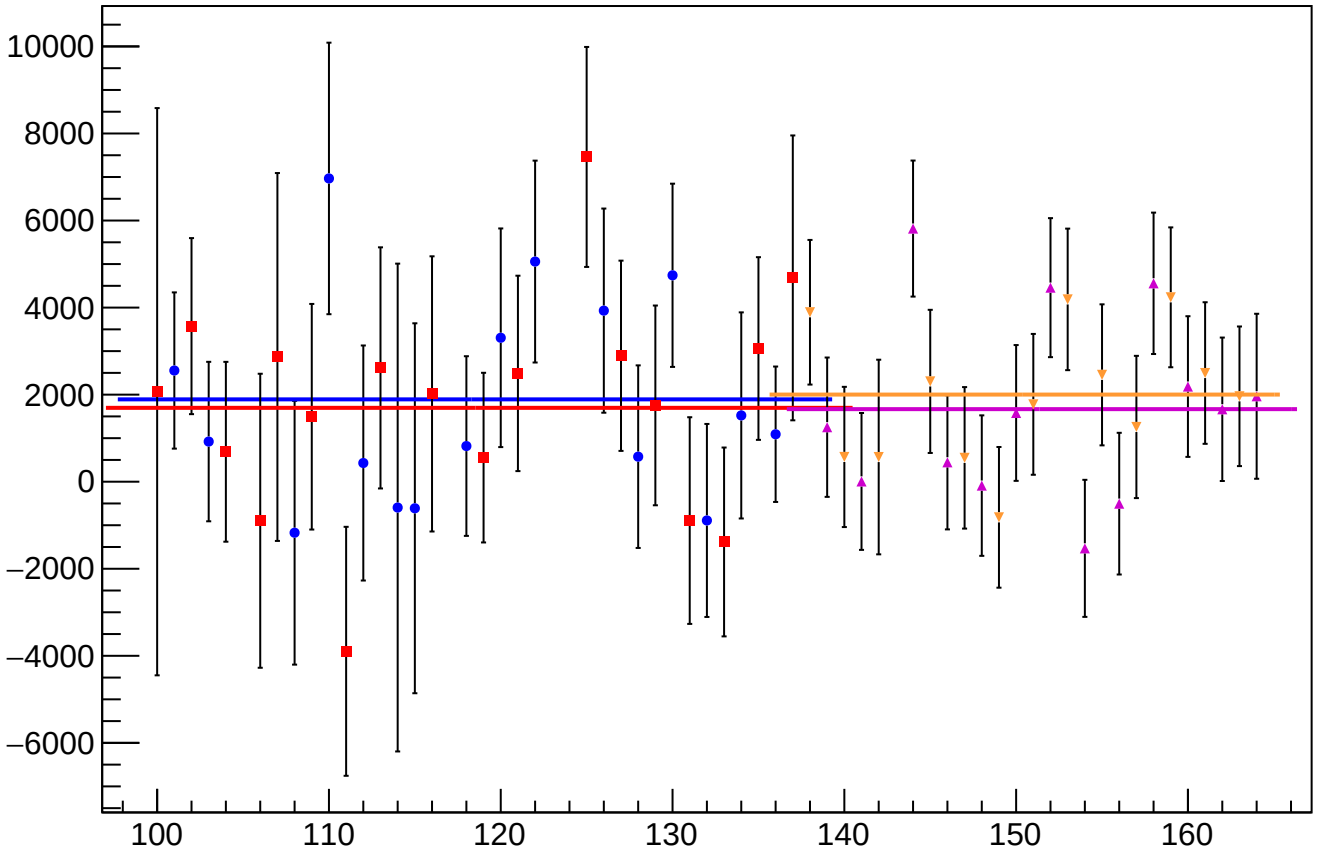
Left: 1028.473+/-0.163 χ^2/NDF: 2186399.8/25

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 811.351+/-0.147 χ^2/NDF:5475833.7/28

Out: 286.183+/-0.084 χ^2/NDF:22436594.4/30

All: 415.666+/-0.073 χ^2/NDF: 37515426.7/59



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2001.740+/-458.886 χ^2/NDF:10.5/12

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1667.066+/-447.128 χ^2/NDF:22.3/12

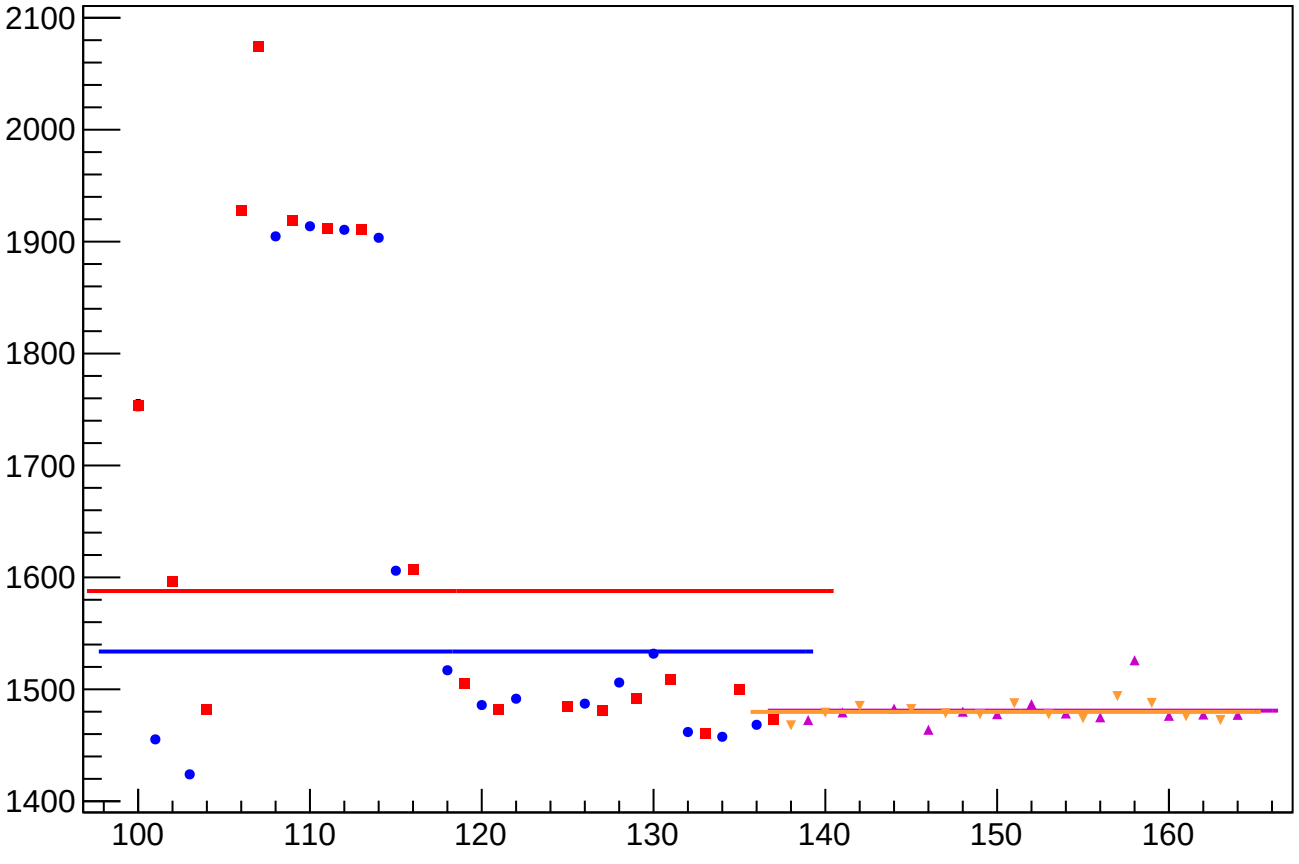
Left: 1830.060+/-320.243 χ^2/NDF: 33.1/25

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1752.168+/-352.329 χ^2/NDF:34.6/28

Out: 1886.800+/-362.154 χ^2/NDF:26.8/30

All: 1817.633+/-252.536 χ^2/NDF: 61.5/59



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.819+/-0.324 χ^2/NDF:451.5/12

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1480.952+/-0.316 χ^2/NDF:1939.4/12

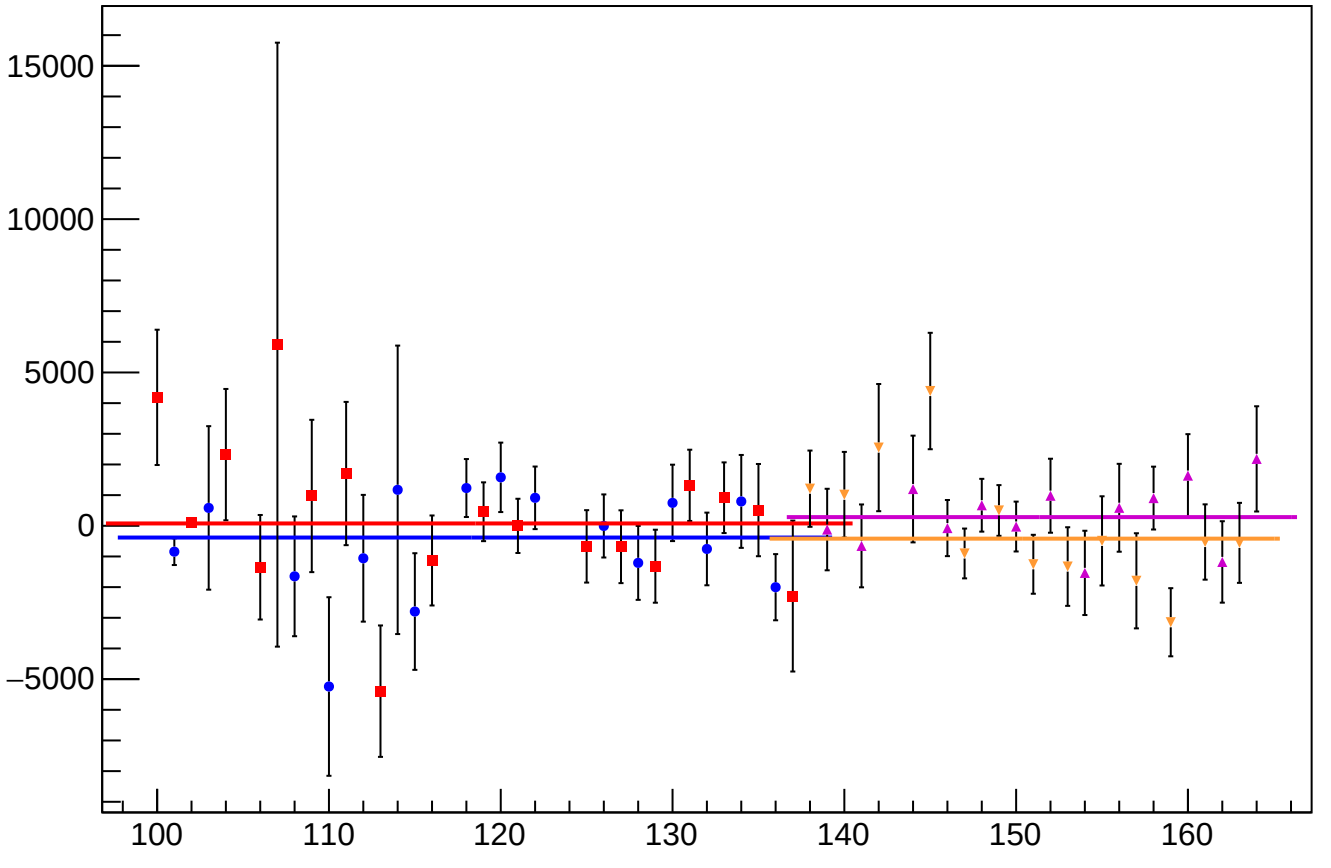
Left: 1480.400+/-0.226 χ^2/NDF: 2397.1/25

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1500.975+/-0.249 χ^2/NDF:141790.6/28

Out: 1520.562+/-0.256 χ^2/NDF:216021.9/30

All: 1510.499+/-0.179 χ^2/NDF: 360818.3/59



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -418.884+/-328.125 χ^2/NDF:20.9/12

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 283.427+/-322.572 χ^2/NDF:7.3/12

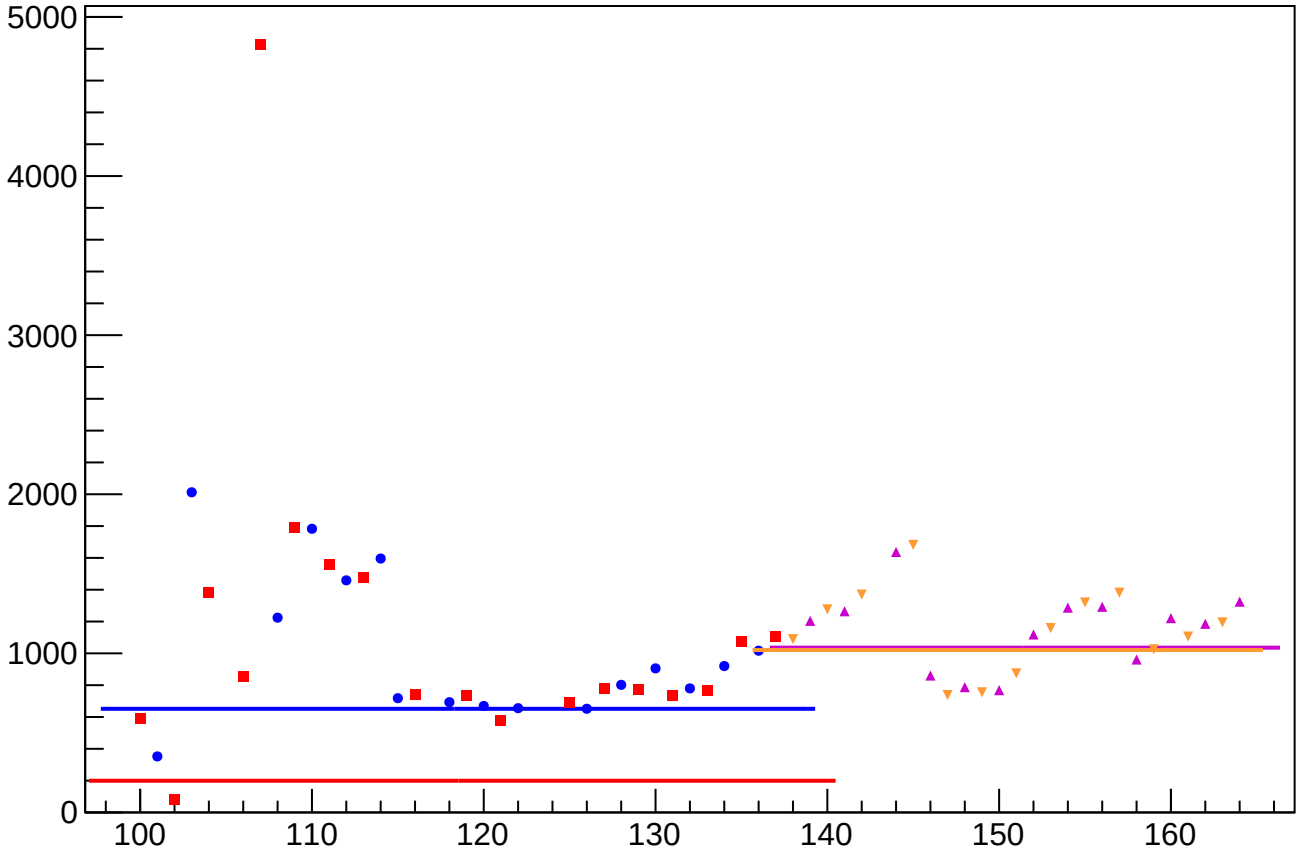
Left: -61.735+/-230.031 χ^2/NDF: 30.5/25

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -105.675+/-208.035 χ^2/NDF:28.0/28

Out: 2.136+/-127.315 χ^2/NDF:41.3/30

All: -27.240+/-108.593 χ^2/NDF: 69.5/59



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1020.912+/-0.232 χ^2/NDF:1128842.0/12

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1035.790+/-0.228 χ^2/NDF:1055542.2/12

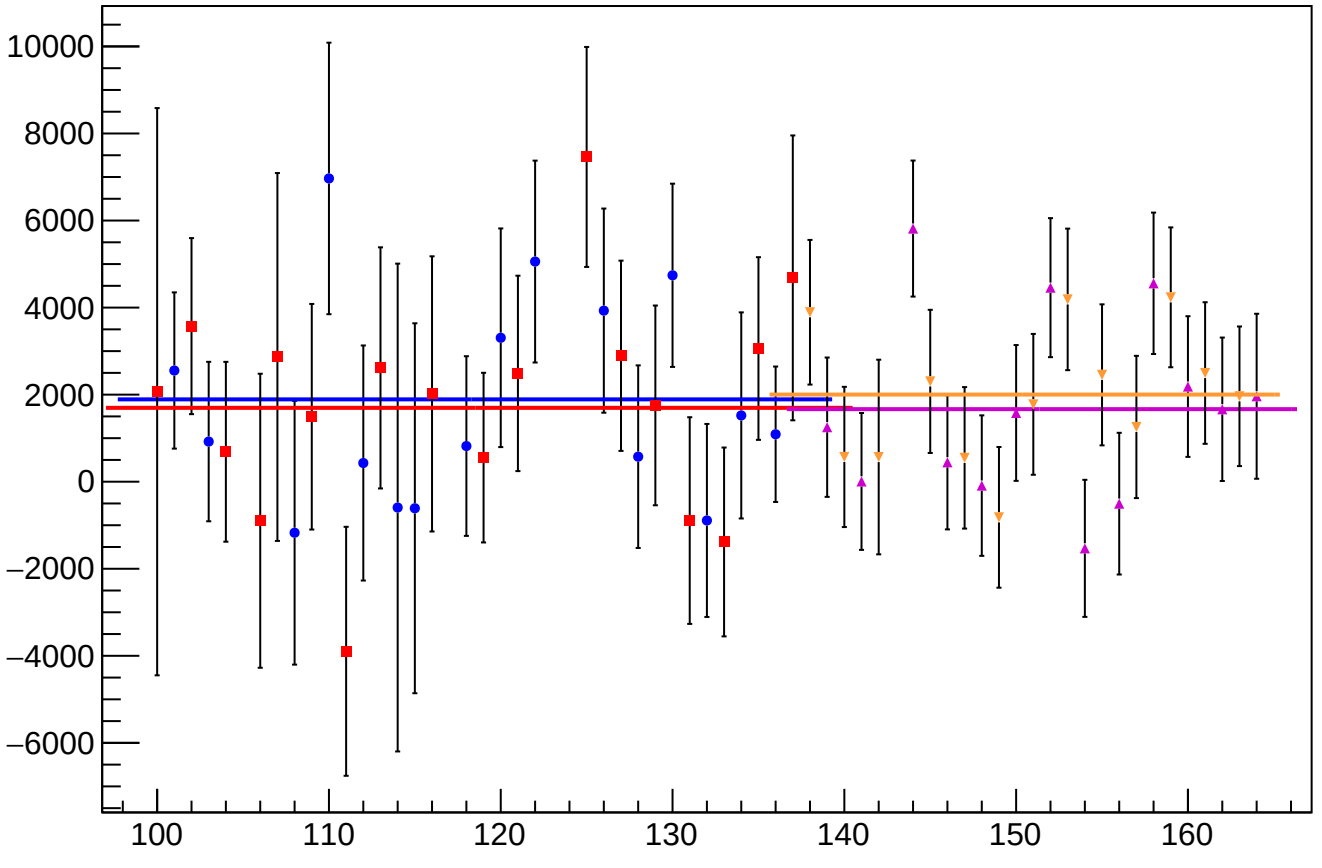
Left: 1028.478+/-0.163 χ^2/NDF: 2186475.4/25

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 811.349+/-0.147 χ^2/NDF:5475954.7/28

Out: 323.030+/-0.090 χ^2/NDF:21064274.4/30

All: 456.087+/-0.077 χ^2/NDF: 34557222.4/59



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2001.740+/-458.886 χ^2/NDF:10.5/12

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1667.066+/-447.128 χ^2/NDF:22.3/12

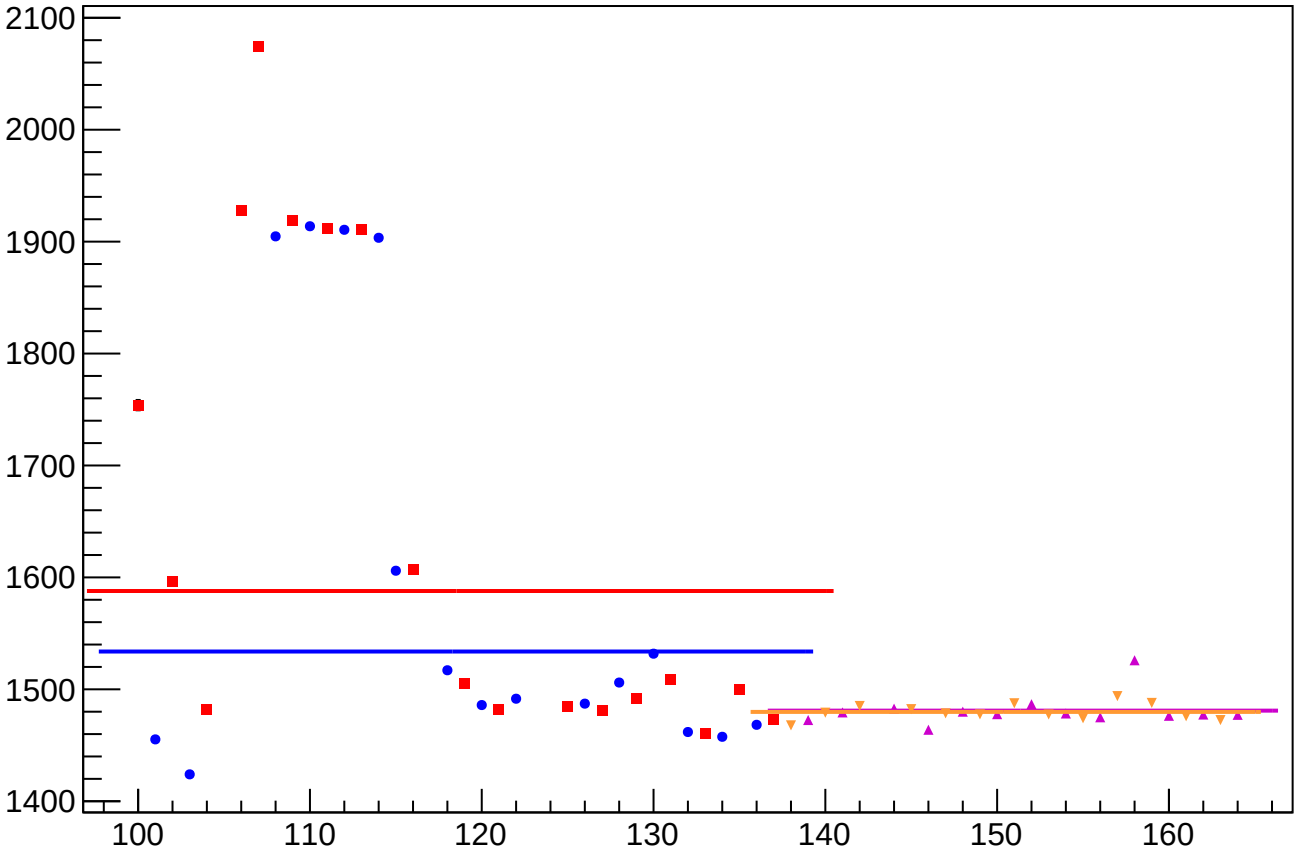
Left: 1830.060+/-320.243 χ^2/NDF: 33.1/25

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1752.168+/-352.329 χ^2/NDF:34.6/28

Out: 1886.800+/-362.154 χ^2/NDF:26.8/30

All: 1817.633+/-252.536 χ^2/NDF: 61.5/59



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.819+/-0.324 χ^2/NDF:451.5/12

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1480.952+/-0.316 χ^2/NDF:1939.4/12

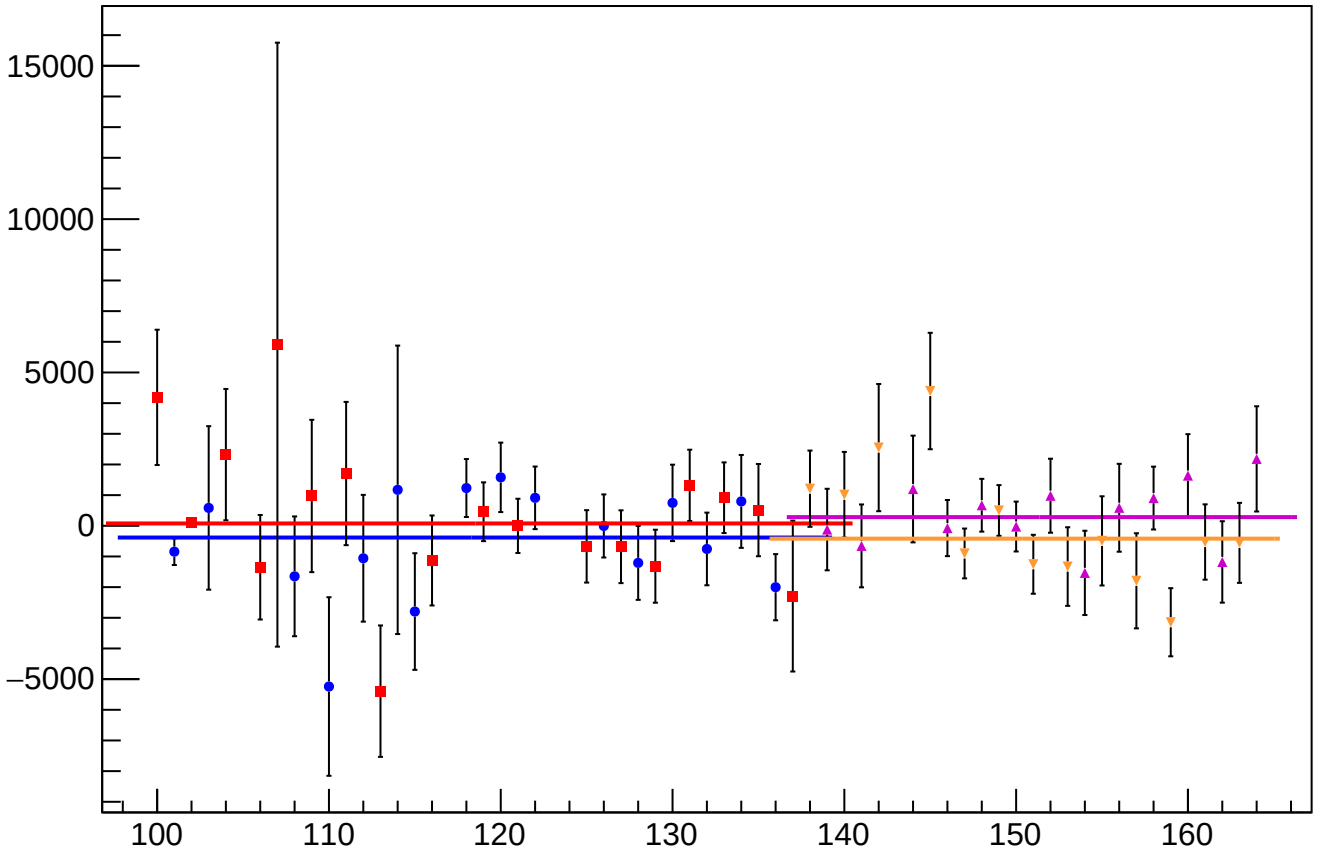
Left: 1480.400+/-0.226 χ^2/NDF: 2397.1/25

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1500.975+/-0.249 χ^2/NDF:141790.6/28

Out: 1520.562+/-0.256 χ^2/NDF:216021.9/30

All: 1510.499+/-0.179 χ^2/NDF: 360818.3/59



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -418.884+/-328.125 χ^2/NDF:20.9/12

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 283.427+/-322.572 χ^2/NDF:7.3/12

Left: -61.735+/-230.031 χ^2/NDF: 30.5/25

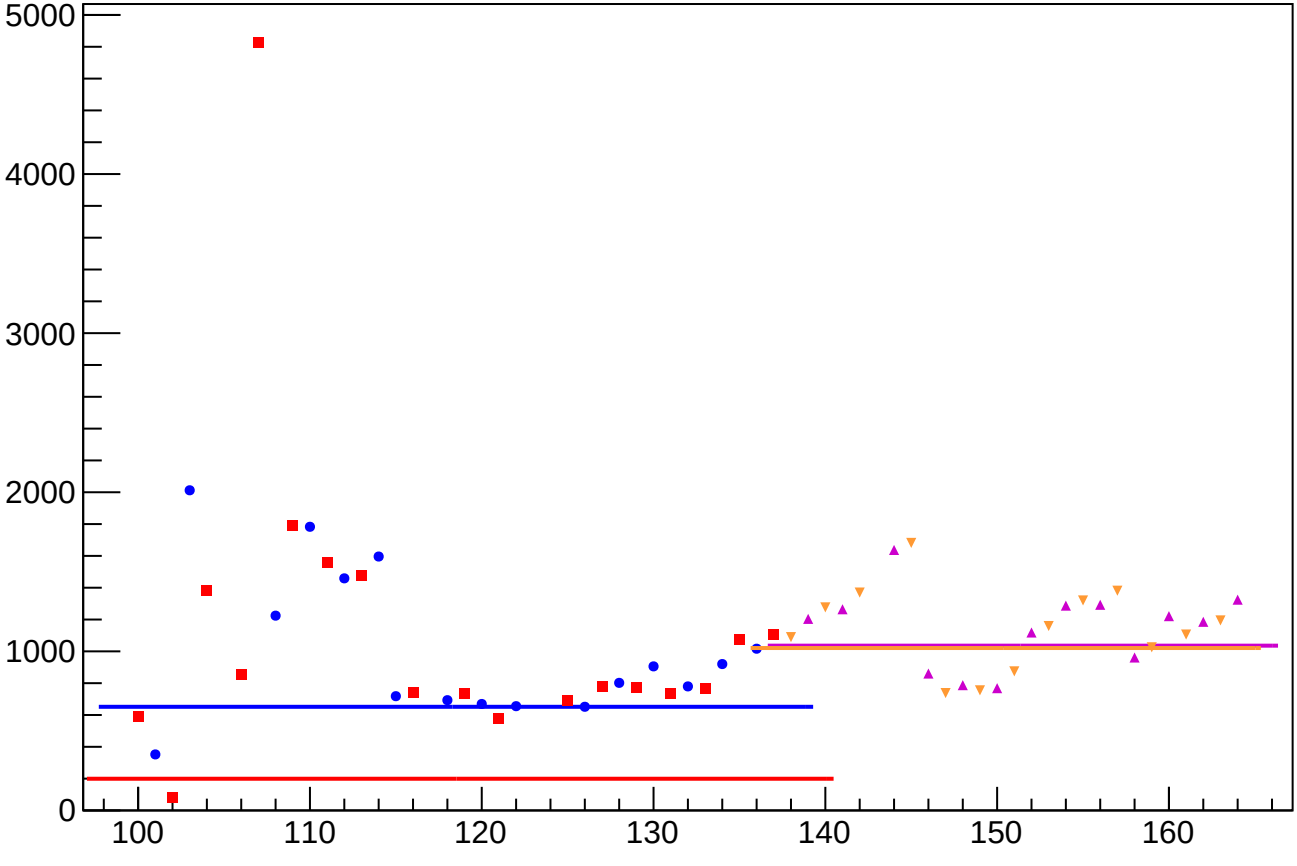
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -105.675+/-208.035 χ^2/NDF:28.0/28

Out: 2.136+/-127.315 χ^2/NDF:41.3/30

All: -27.240+/-108.593 χ^2/NDF: 69.5/59

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: 1020.912+/-0.232 χ^2/NDF:1128842.0/12

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1035.790+/-0.228 χ^2/NDF:1055542.2/12

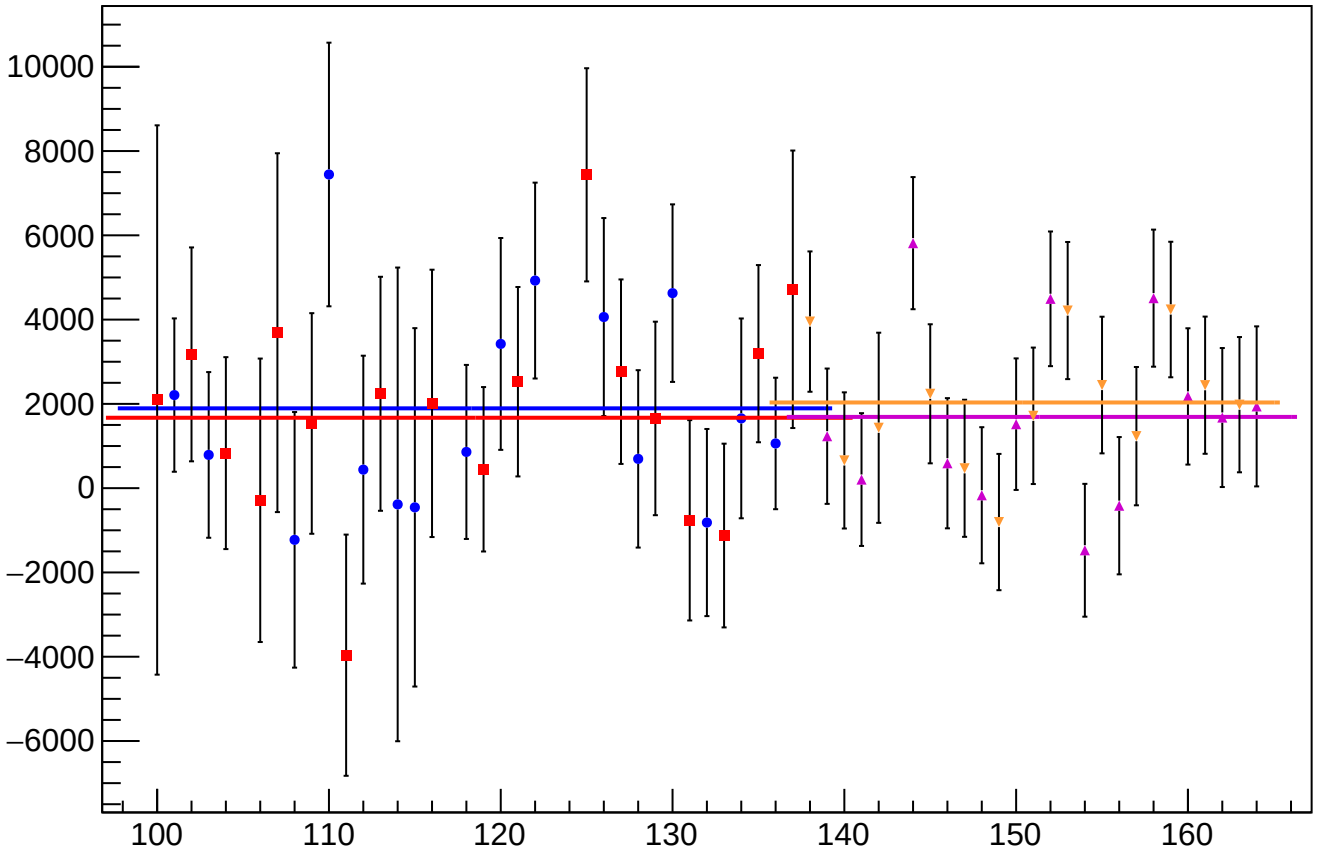
Left: 1028.478+/-0.163 χ^2/NDF: 2186475.4/25

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 811.349+/-0.147 χ^2/NDF:5475954.7/28

Out: 323.030+/-0.090 χ^2/NDF:21064274.4/30

All: 456.087+/-0.077 χ^2/NDF: 34557222.4/59



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 2033.222+/-459.752 χ^2/NDF:10.2/12

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1691.020+/-447.803 χ^2/NDF:21.6/12

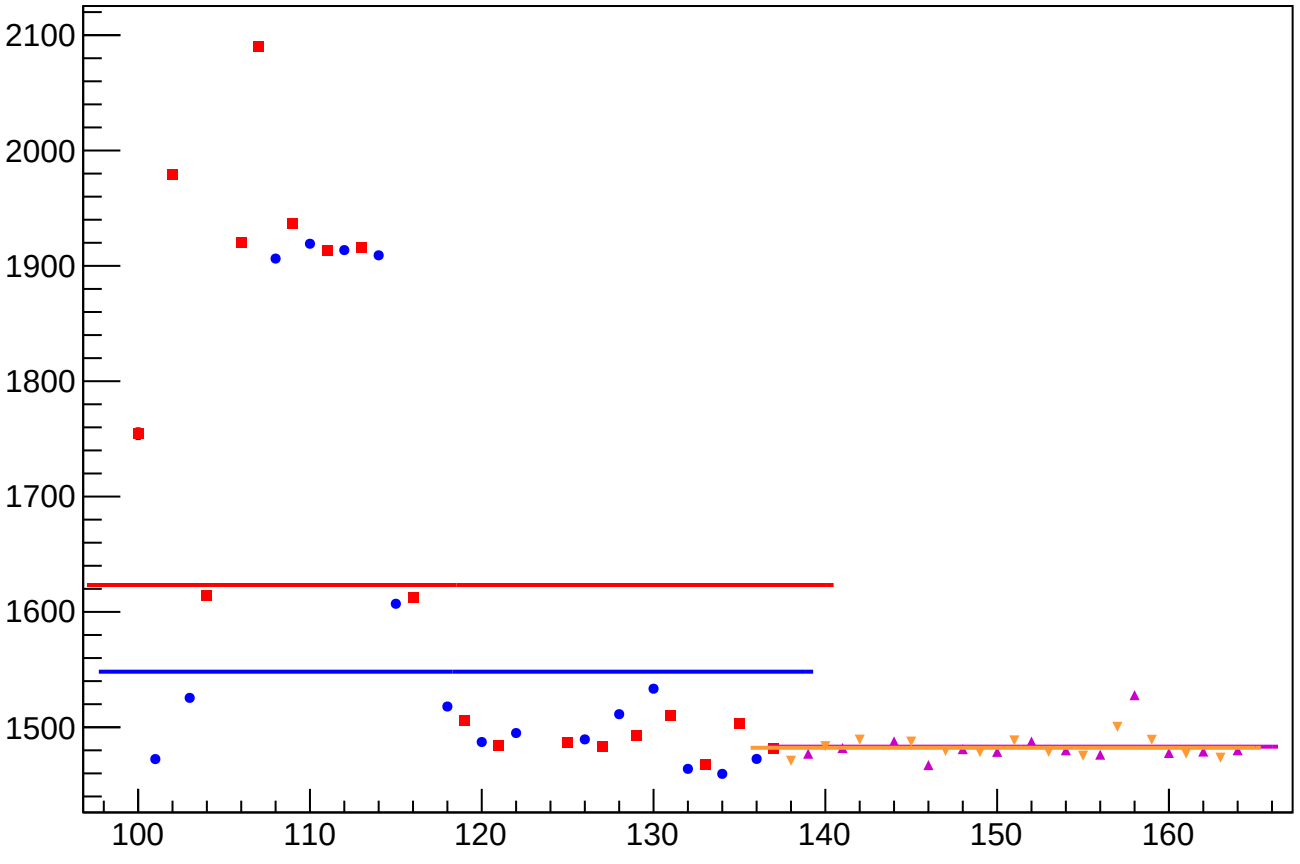
Left: 1857.616+/-320.786 χ^2/NDF: 32.1/25

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1767.281+/-353.909 χ^2/NDF:34.0/28

Out: 1900.551+/-366.015 χ^2/NDF:25.5/30

All: 1831.676+/-254.424 χ^2/NDF: 59.5/59



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1482.210+/-0.325 χ^2/NDF:584.2/12

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1483.169+/-0.317 χ^2/NDF:1889.7/12

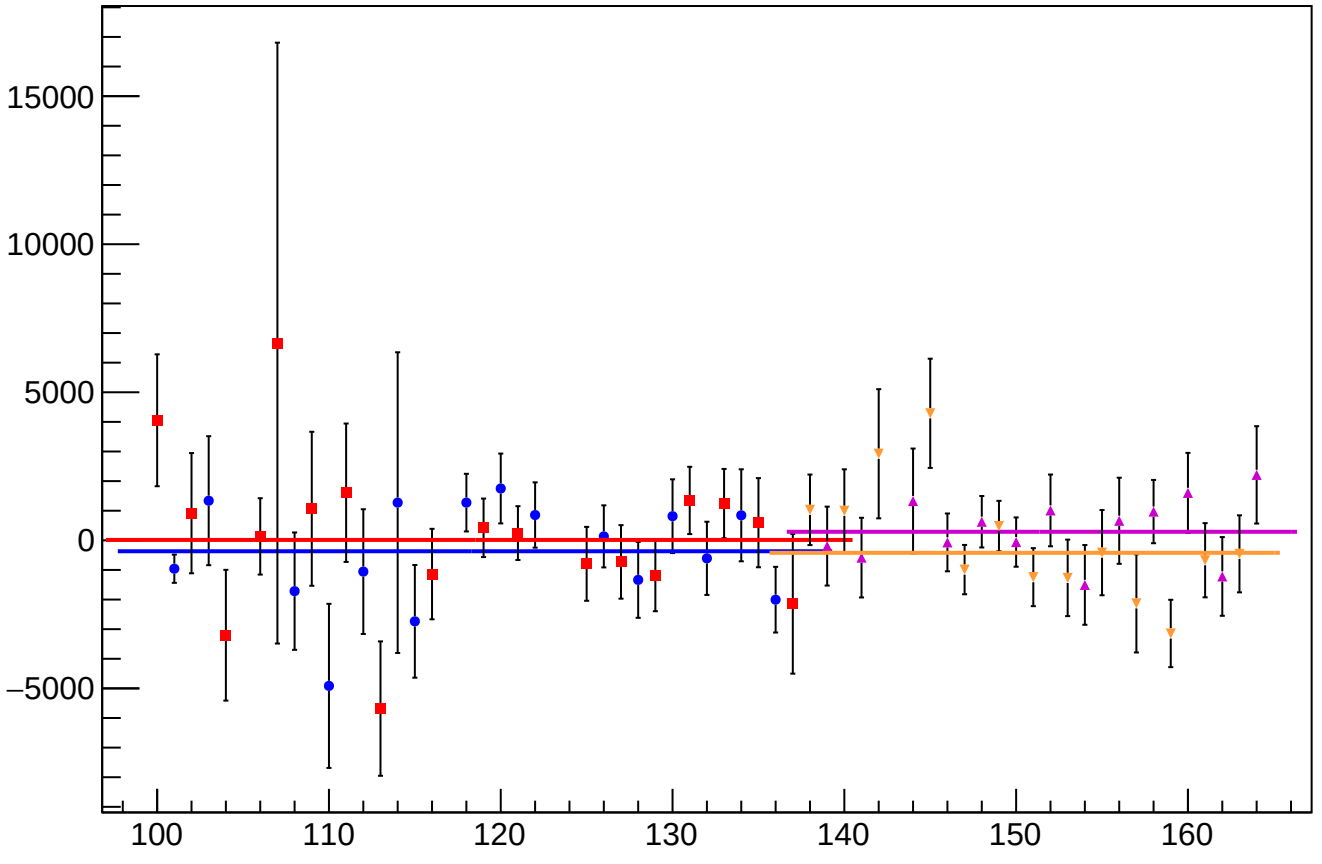
Left: 1482.702+/-0.227 χ^2/NDF: 2478.3/25

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

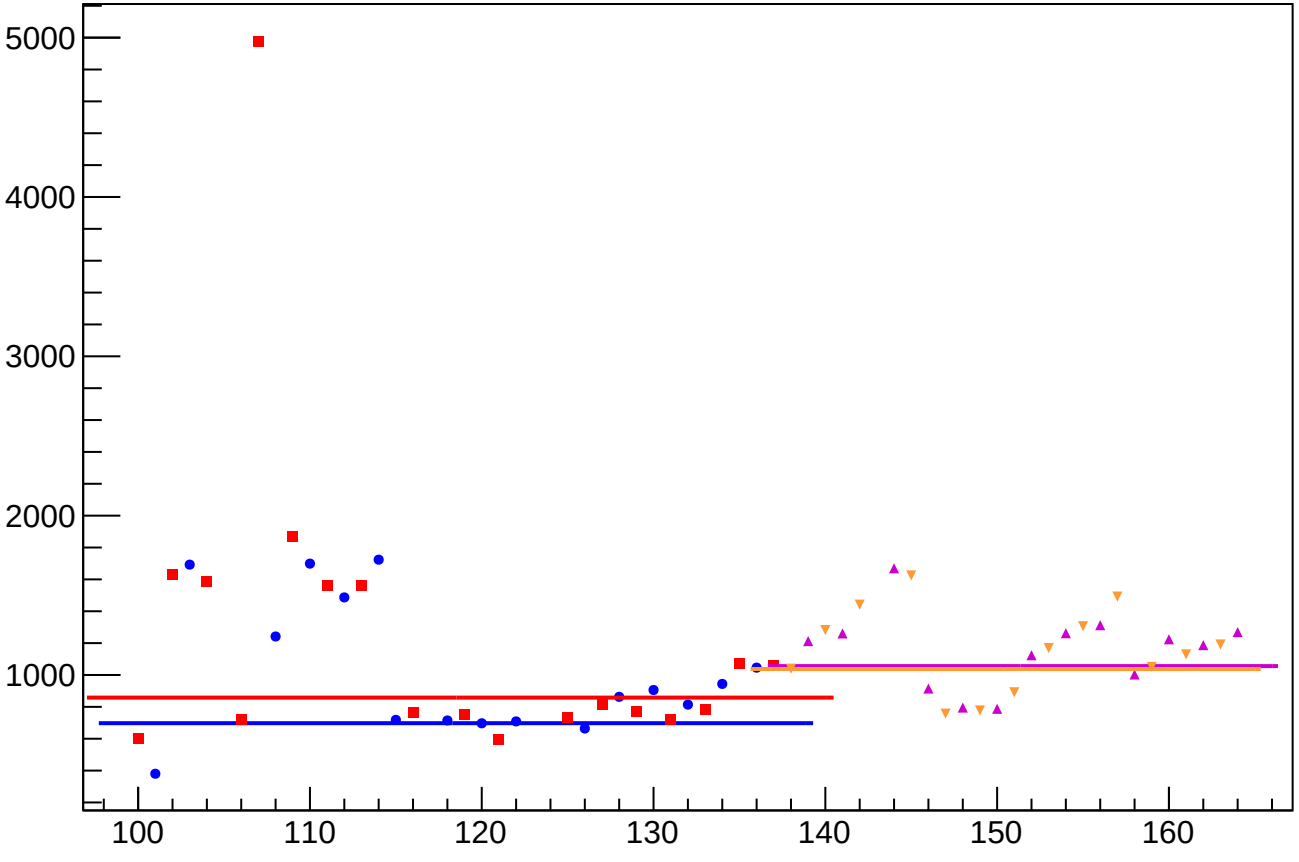
In: 1507.571+/-0.250 χ^2/NDF:137616.0/28

Out: 1533.889+/-0.259 χ^2/NDF:281123.7/30

All: 1520.287+/-0.180 χ^2/NDF: 424083.6/59


asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
Right In: -368.708+/-286.577 χ²/NDF: 18.9/15
Left Out: -421.625+/-332.767 χ²/NDF:21.0/12
Right Out: 13.729+/-341.569 χ²/NDF: 19.1/17
Left In: 288.962+/-327.604 χ²/NDF:7.6/12
Left: -60.777+/-233.455 χ²/NDF: 30.8/25
Right: -210.716+/-219.541 χ²/NDF: 38.7/33
In: -83.611+/-215.696 χ²/NDF:28.7/28
Out: -209.630+/-238.353 χ²/NDF:40.8/30
All: -140.348+/-159.932 χ²/NDF: 69.7/59

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: 1037.722+/-0.235 χ^2/NDF:1070089.5/12

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1055.789+/-0.232 χ^2/NDF:947610.8/12

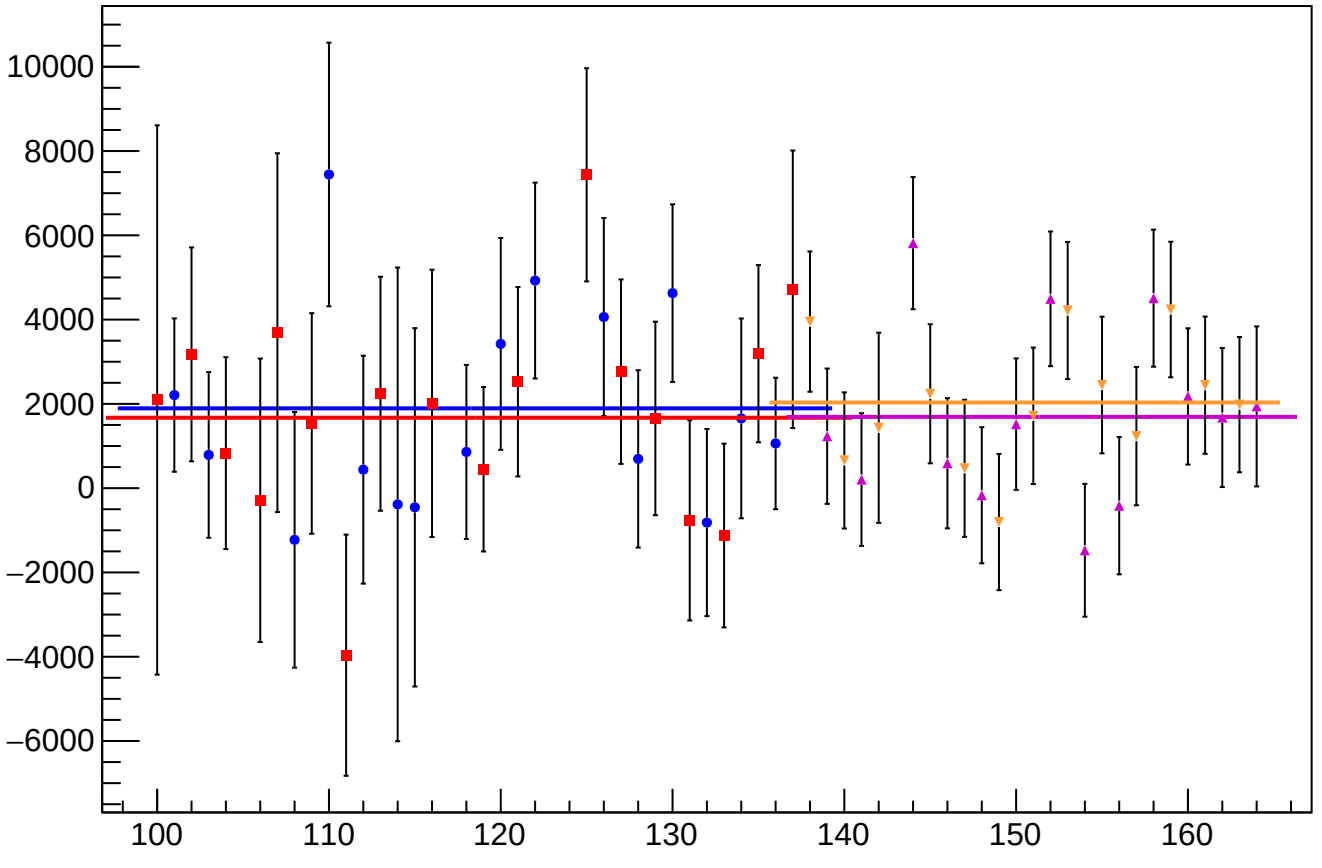
Left: 1046.897+/-0.165 χ^2/NDF: 2020694.3/25

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 852.826+/-0.153 χ^2/NDF:4738280.1/28

Out: 950.253+/-0.169 χ^2/NDF:3236029.0/30

All: 896.690+/-0.113 χ^2/NDF: 8158017.9/59



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 2033.220+/-459.752 χ^2/NDF:10.2/12

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1691.021+/-447.803 χ^2/NDF:21.6/12

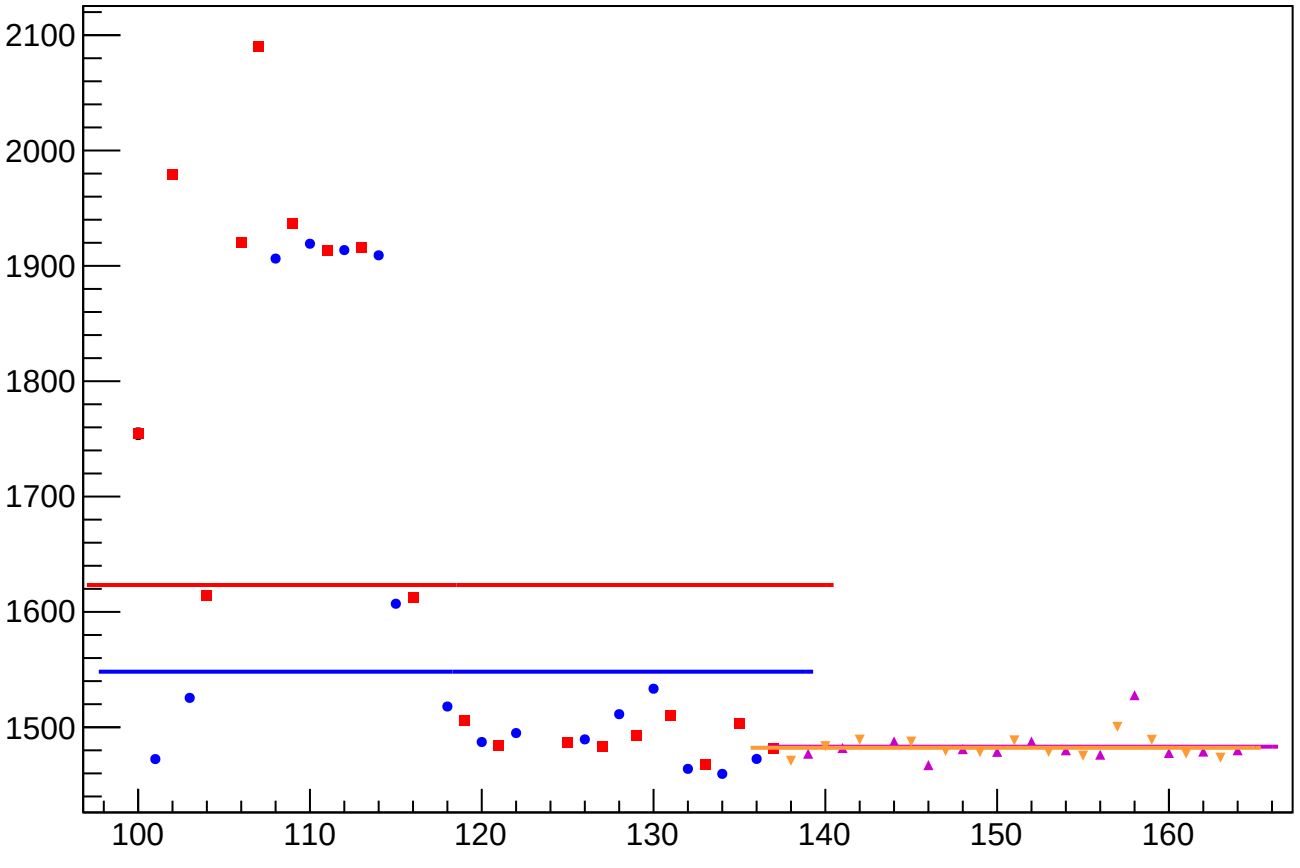
Left: 1857.616+/-320.786 χ^2/NDF: 32.1/25

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1767.281+/-353.909 χ^2/NDF:34.0/28

Out: 1900.549+/-366.015 χ^2/NDF:25.5/30

All: 1831.675+/-254.424 χ^2/NDF: 59.5/59



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1482.210+/-0.325 χ^2/NDF:584.2/12

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1483.169+/-0.317 χ^2/NDF:1889.7/12

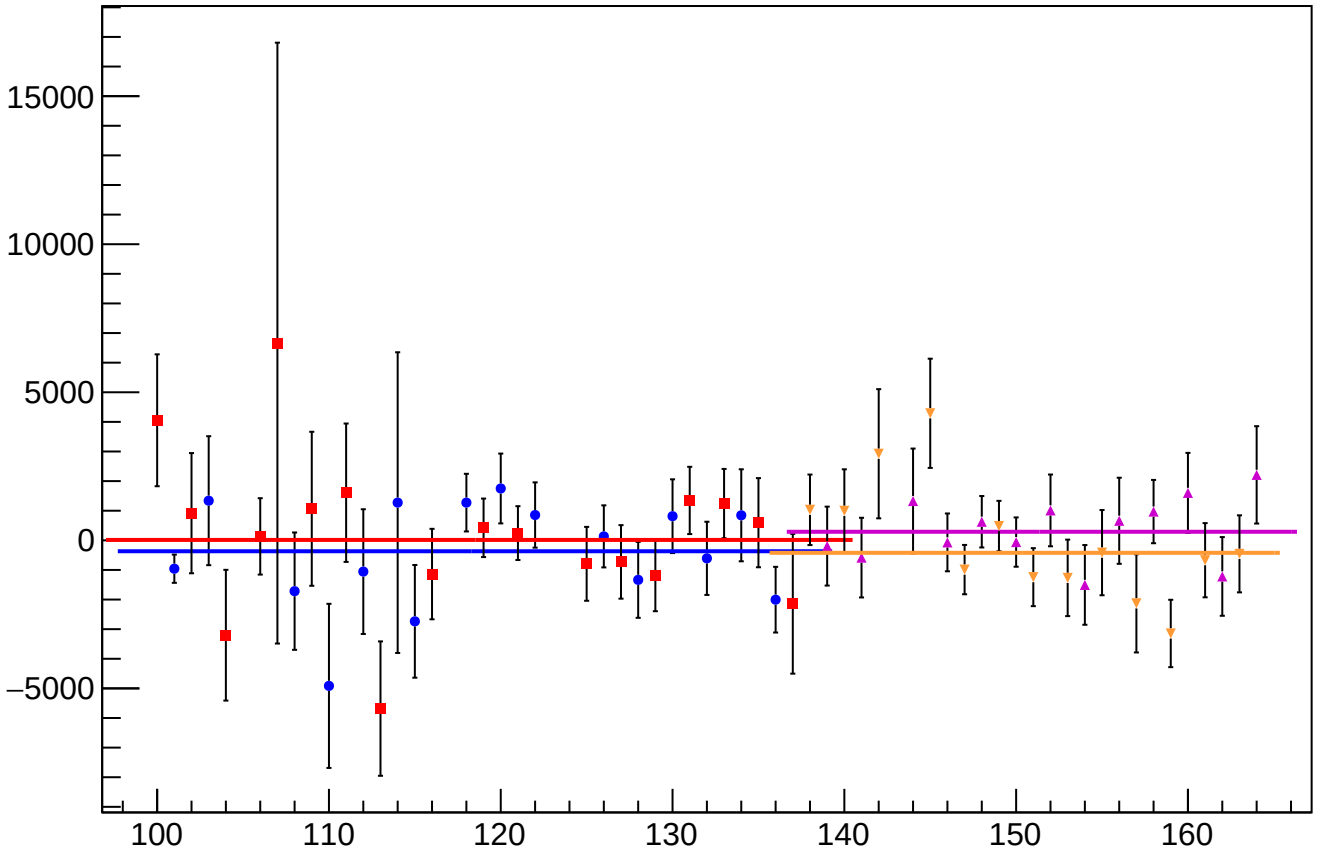
Left: 1482.702+/-0.227 χ^2/NDF: 2478.3/25

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1507.571+/-0.250 χ^2/NDF:137616.0/28

Out: 1533.888+/-0.259 χ^2/NDF:281123.3/30

All: 1520.287+/-0.180 χ^2/NDF: 424083.1/59



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -421.628+/-332.767 χ^2/NDF:21.0/12

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 288.962+/-327.605 χ^2/NDF:7.6/12

Left: -60.778+/-233.455 χ^2/NDF: 30.8/25

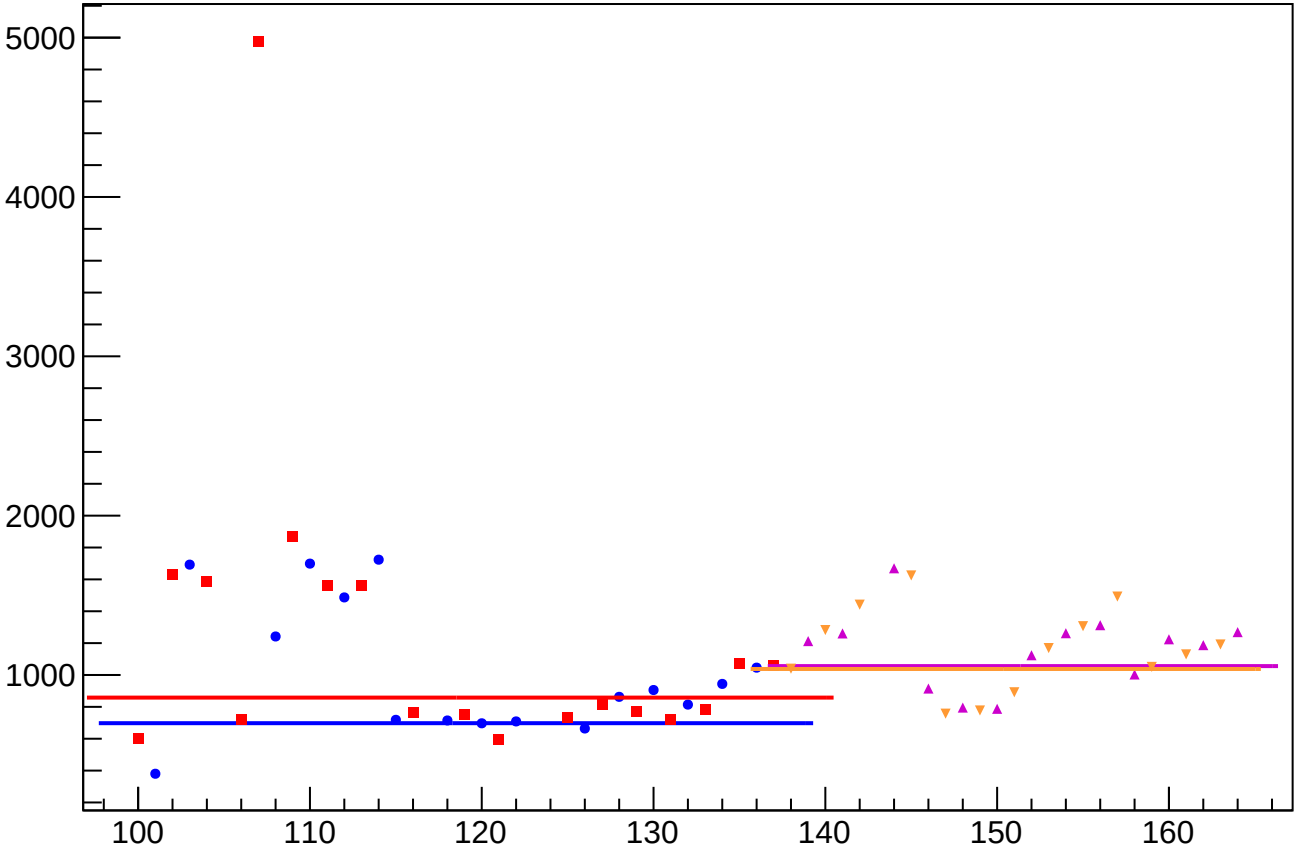
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -83.611+/-215.696 χ^2/NDF:28.7/28

Out: -209.630+/-238.353 χ^2/NDF:40.9/30

All: -140.348+/-159.932 χ^2/NDF: 69.7/59

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: 1037.723+/-0.235 χ^2/NDF:1070087.0/12

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1055.791+/-0.232 χ^2/NDF:947607.5/12

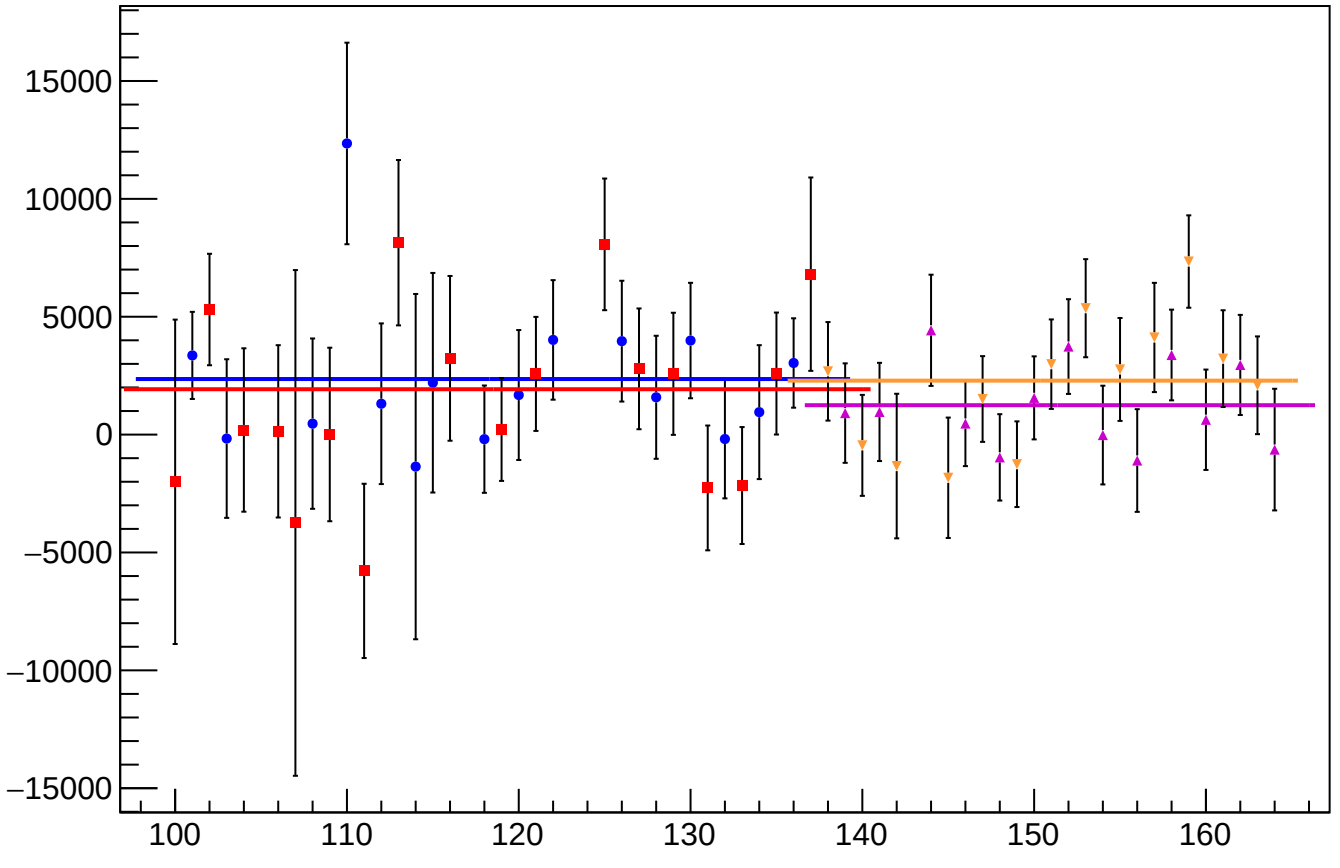
Left: 1046.898+/-0.165 χ^2/NDF: 2020688.5/25

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 852.827+/-0.153 χ^2/NDF:4738280.7/28

Out: 950.253+/-0.169 χ^2/NDF:3236046.6/30

All: 896.690+/-0.113 χ^2/NDF: 8158033.5/59



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 2289.343+/-582.543 χ^2/NDF:19.5/12

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1247.275+/-566.974 χ^2/NDF:9.1/12

Left: 1754.197+/-406.304 χ^2/NDF: 30.2/25

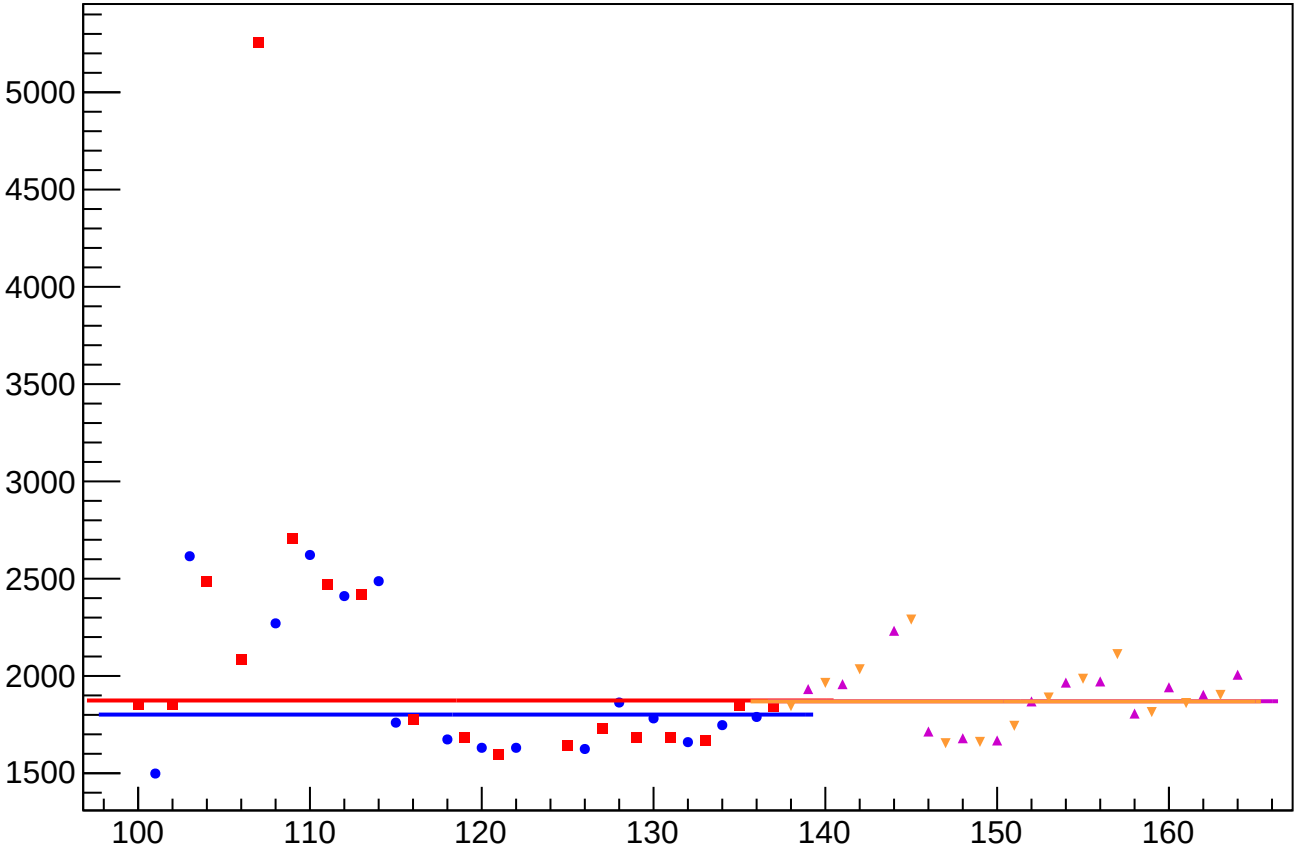
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1703.205+/-435.187 χ^2/NDF:21.7/28

Out: 2141.892+/-449.538 χ^2/NDF:43.1/30

All: 1915.435+/-312.674 χ^2/NDF: 65.3/59

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1869.221+/-0.412 χ^2/NDF:157135.5/12

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1870.080+/-0.401 χ^2/NDF:134150.7/12

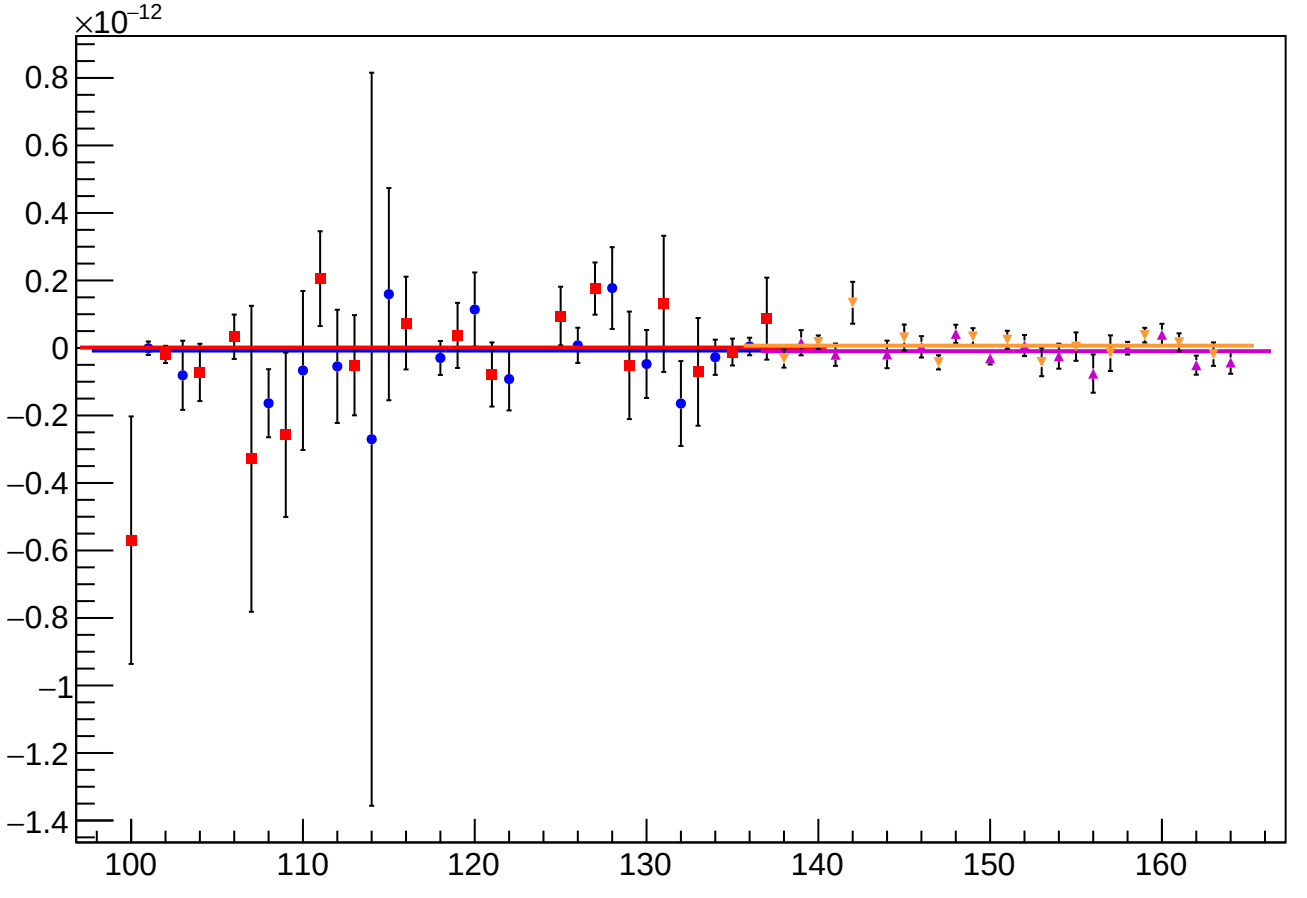
Left: 1869.662+/-0.287 χ^2/NDF: 291288.4/25

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1841.916+/-0.308 χ^2/NDF:546865.5/28

Out: 1871.145+/-0.318 χ^2/NDF:727098.3/30

All: 1856.056+/-0.221 χ^2/NDF: 1278328.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:13.2/12

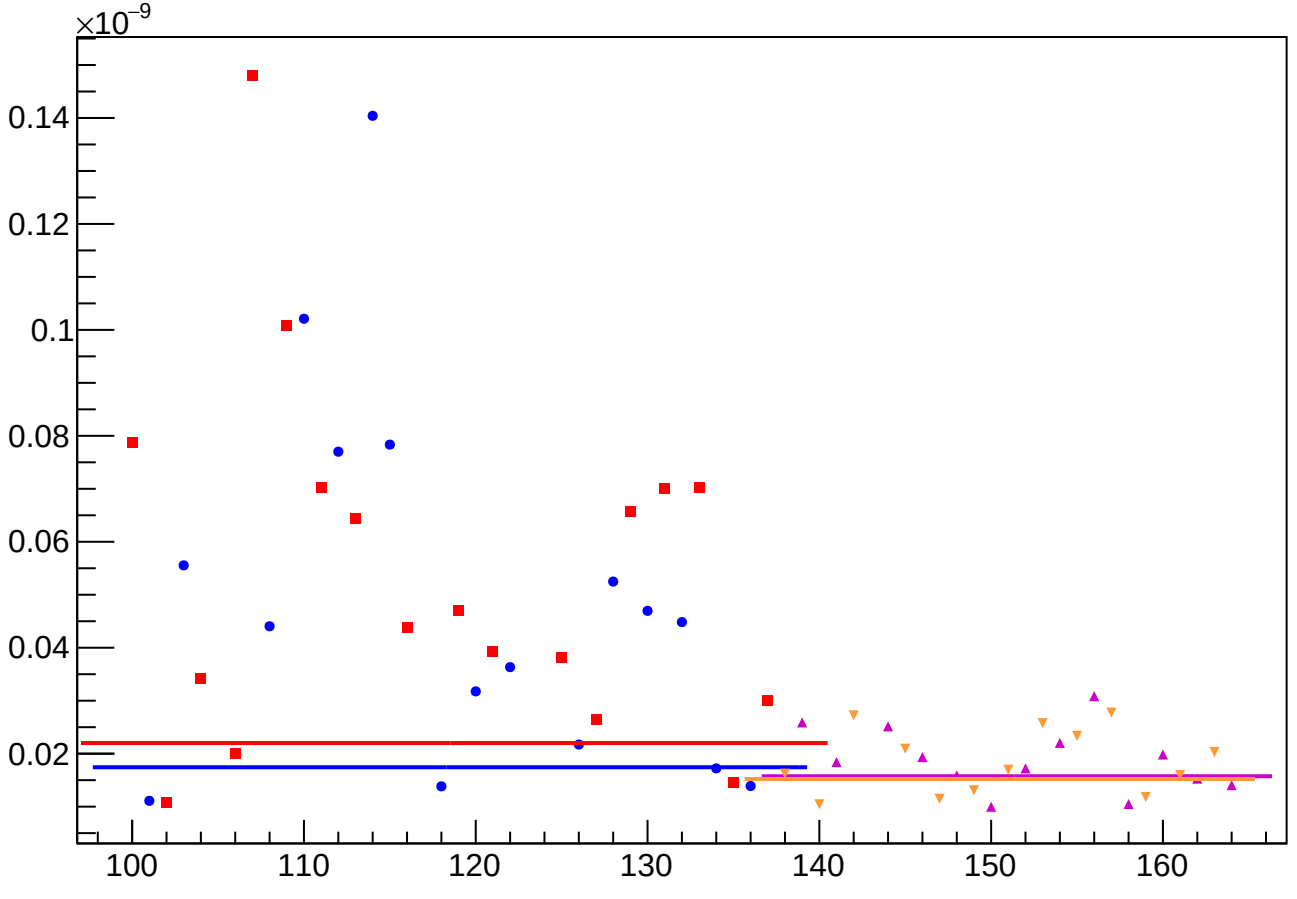
Left: -0.000+/-0.000 χ^2/NDF: 33.5/25

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:23.4/28

Out: 0.000+/-0.000 χ^2/NDF:35.0/30

All: -0.000+/-0.000 χ^2/NDF: 60.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:729468.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:888190.3/12

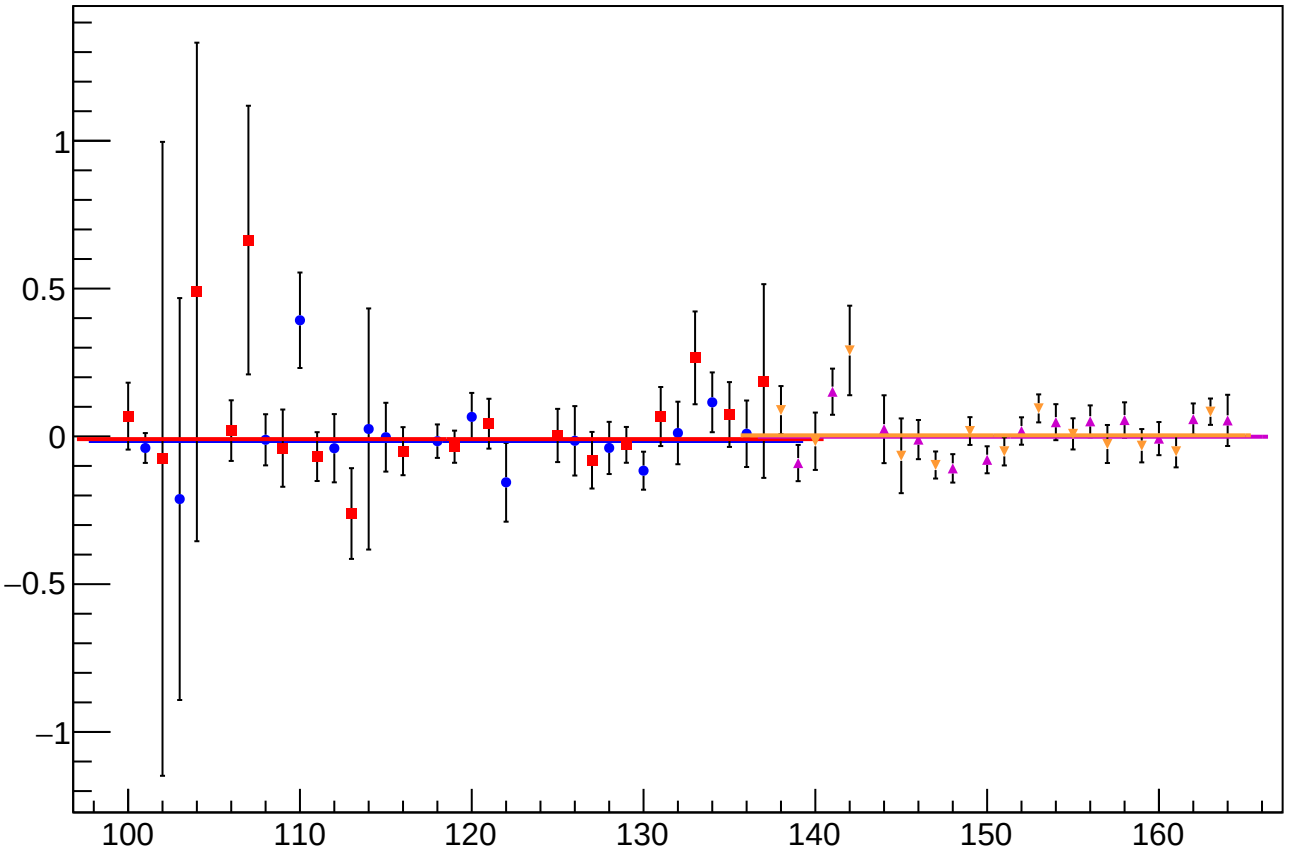
Left: 0.000+/-0.000 χ^2/NDF: 1621871.9/25

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:2752657.2/28

Out: 0.000+/-0.000 χ^2/NDF:3086308.1/30

All: 0.000+/-0.000 χ^2/NDF: 5839890.5/59



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.016 χ^2/NDF:19.7/12

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.001+/-0.016 χ^2/NDF:18.2/12

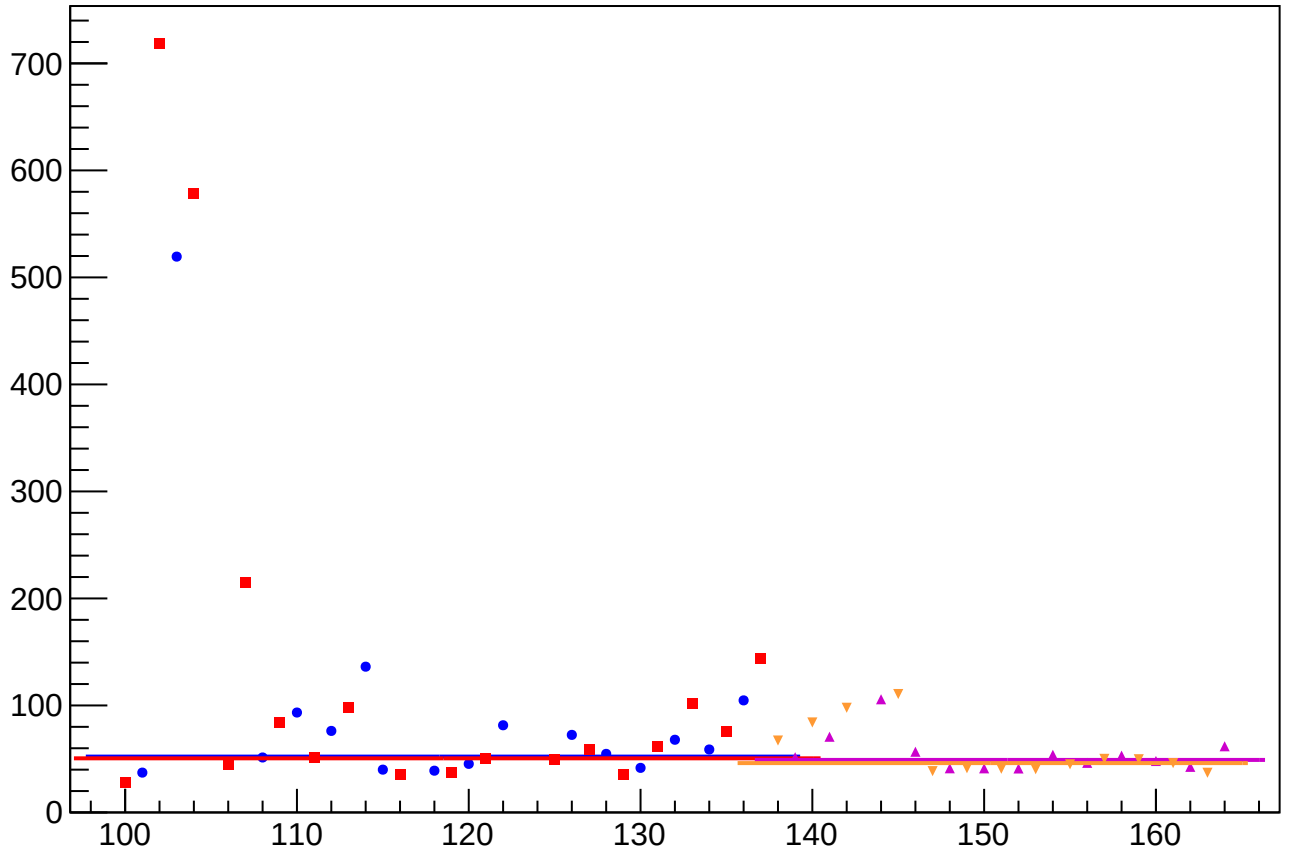
Left: 0.001+/-0.011 χ^2/NDF: 38.0/25

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.013 χ^2/NDF:31.7/28

Out: -0.001+/-0.013 χ^2/NDF:32.4/30

All: -0.003+/-0.009 χ^2/NDF: 64.2/59



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.125+/-0.011 χ^2/NDF:1422059.8/12

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.090+/-0.011 χ^2/NDF:943254.1/12

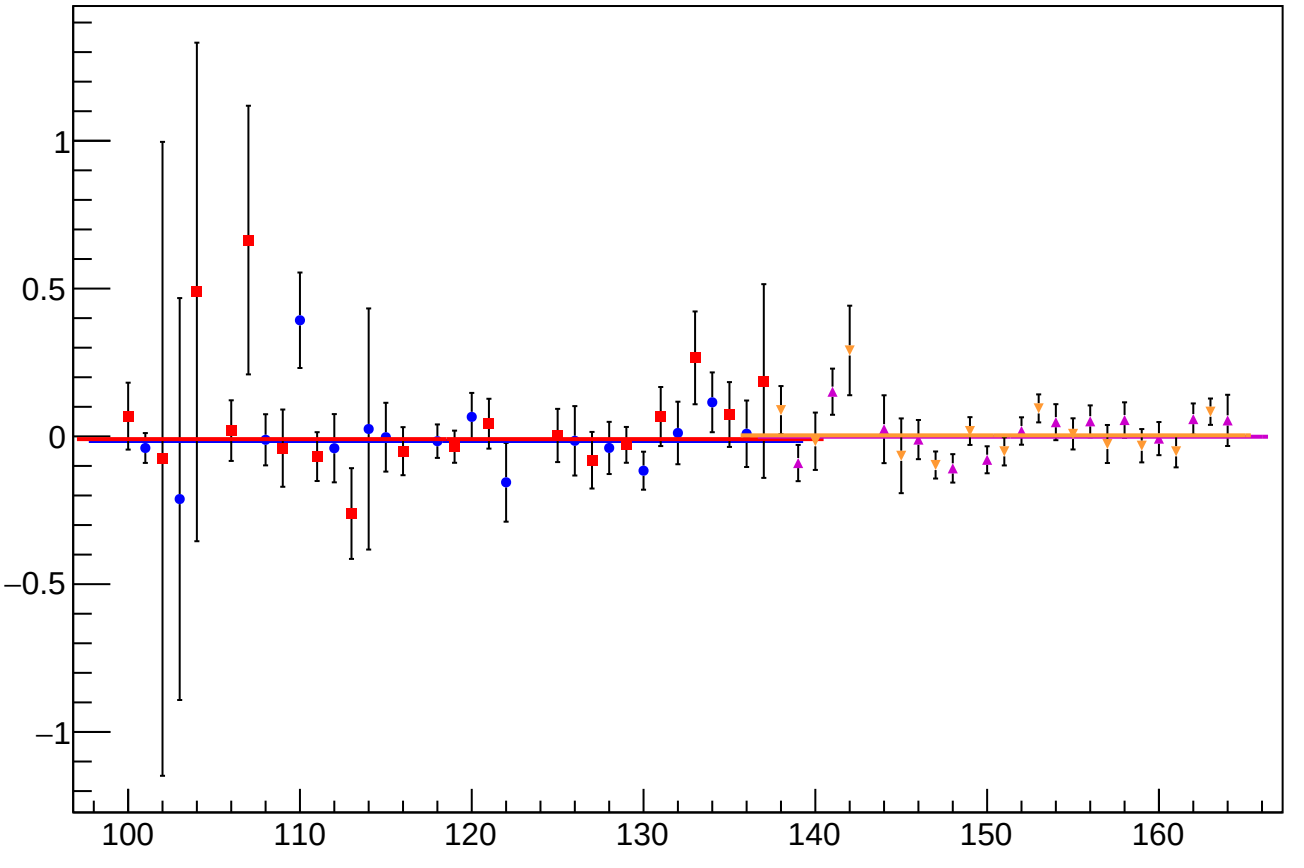
Left: 47.583+/-0.008 χ^2/NDF: 2399379.2/25

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.139+/-0.009 χ^2/NDF:3234995.5/28

Out: 47.521+/-0.009 χ^2/NDF:4522454.6/30

All: 48.833+/-0.007 χ^2/NDF: 7796868.4/59



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.016 χ^2/NDF:19.7/12

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.001+/-0.016 χ^2/NDF:18.2/12

Left: 0.001+/-0.011 χ^2/NDF: 38.0/25

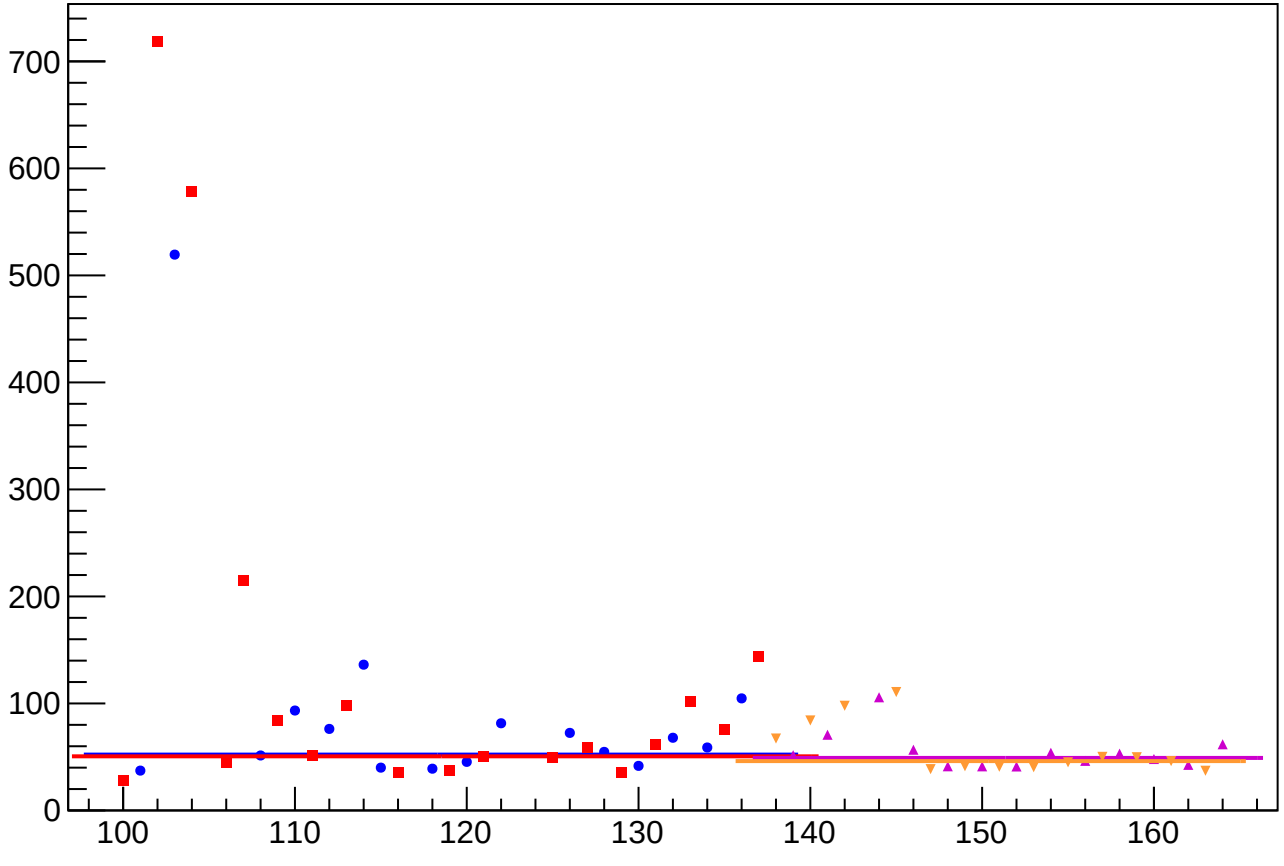
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.013 χ^2/NDF:31.7/28

Out: -0.001+/-0.013 χ^2/NDF:32.4/30

All: -0.003+/-0.009 χ^2/NDF: 64.2/59

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: 46.125+/-0.011 χ^2/NDF:1422059.8/12

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 49.090+/-0.011 χ^2/NDF:943254.1/12

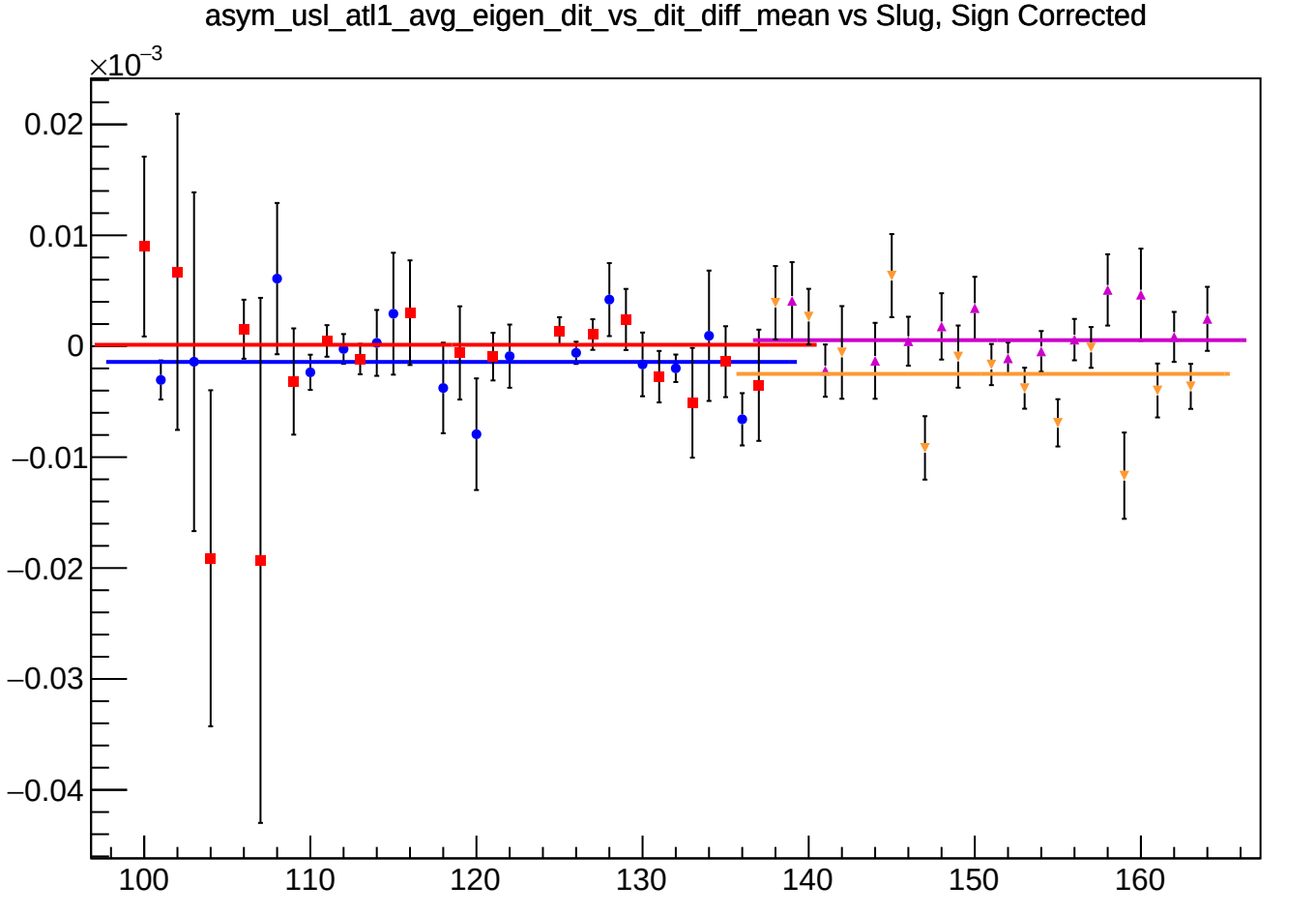
Left: 47.583+/-0.008 χ^2/NDF: 2399379.2/25

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.139+/-0.009 χ^2/NDF:3234995.5/28

Out: 47.521+/-0.009 χ^2/NDF:4522454.6/30

All: 48.833+/-0.007 χ^2/NDF: 7796868.4/59



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:8.9/12

Left: -0.000+/-0.000 χ^2/NDF: 51.9/25

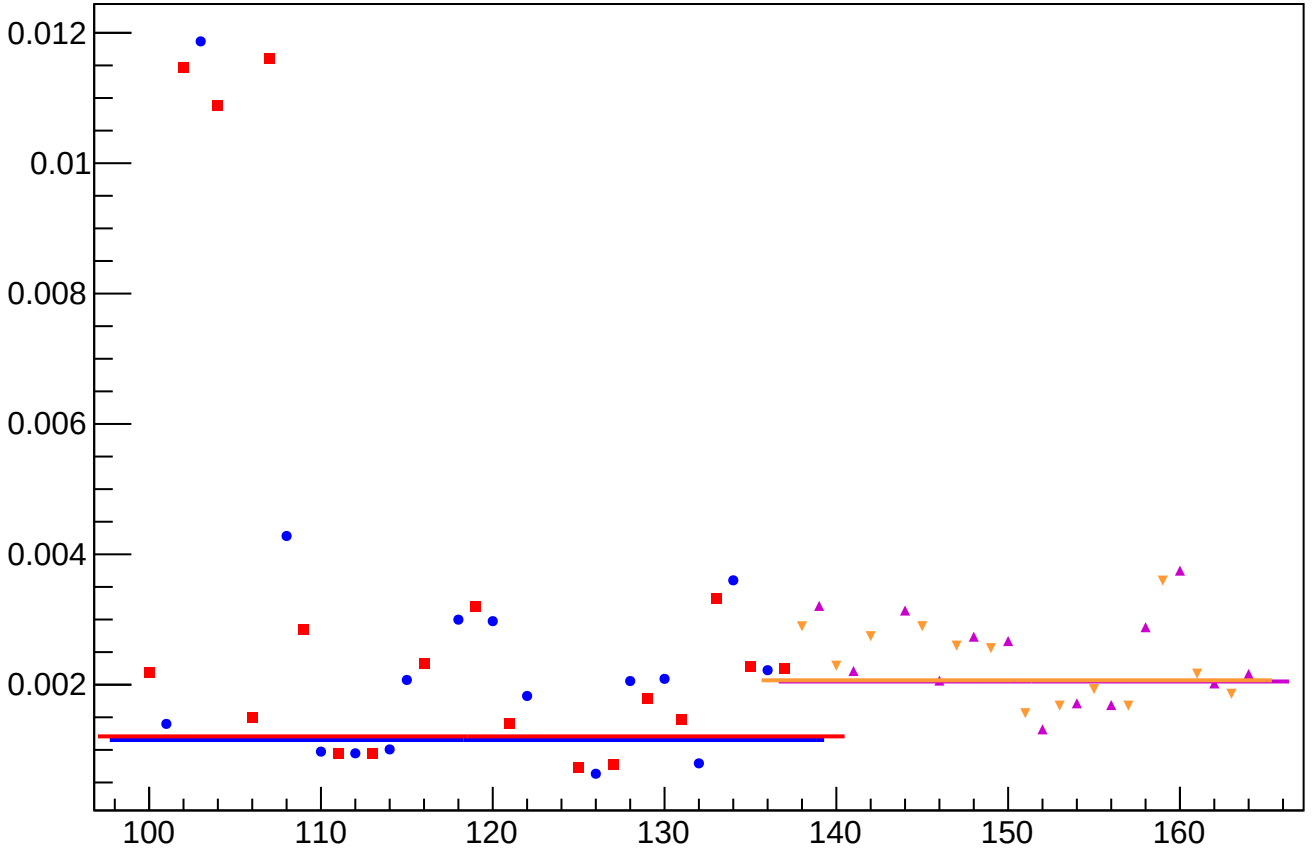
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:29.4/28

Out: -0.000+/-0.000 χ^2/NDF:53.1/30

All: -0.000+/-0.000 χ^2/NDF: 82.7/59

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1090474.5/12

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1775261.0/12

Left: 0.002+/-0.000 χ^2/NDF: 2866476.9/25

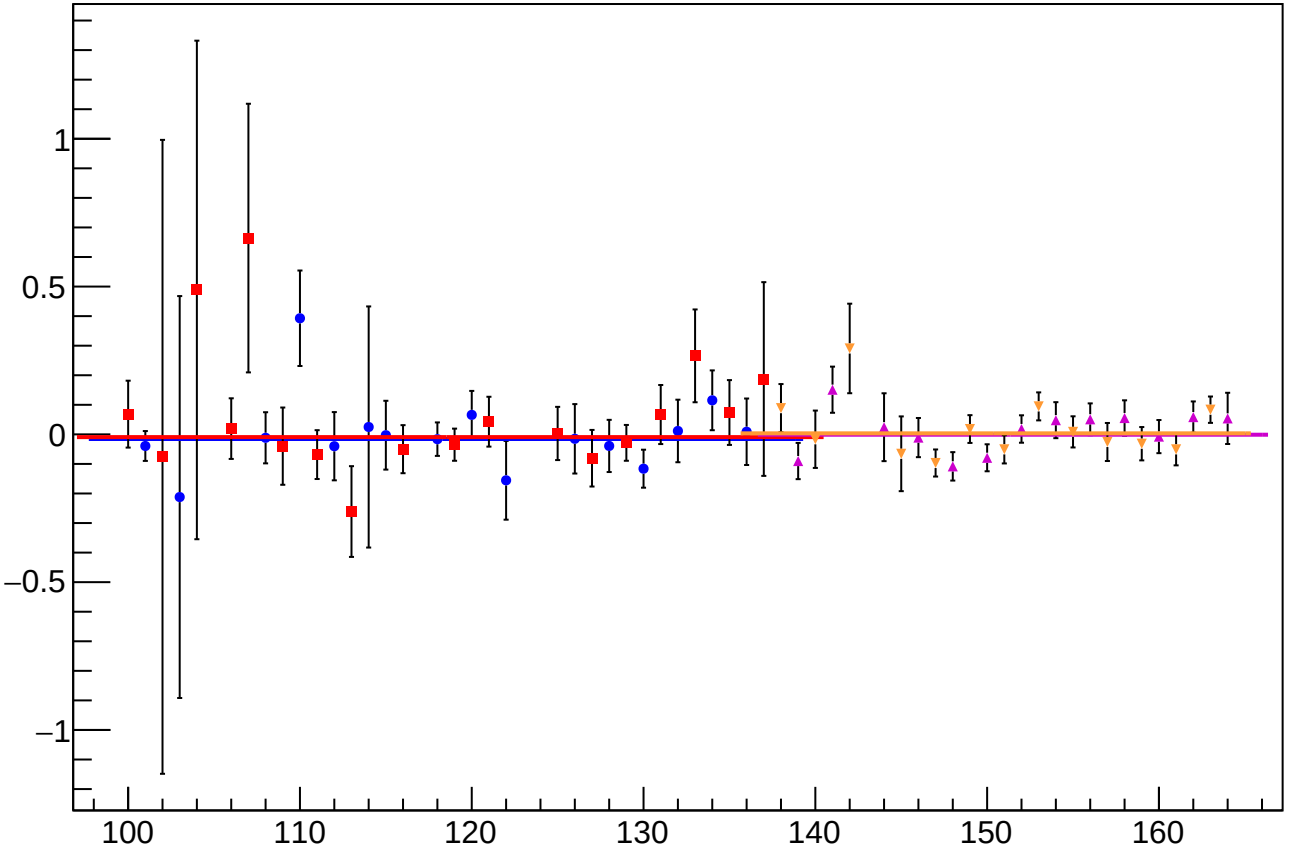
Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:8281999.3/28

Out: 0.002+/-0.000 χ^2/NDF:7550756.9/30

All: 0.002+/-0.000 χ^2/NDF: 15853462.6/59

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.016 χ^2/NDF:19.7/12

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.001+/-0.016 χ^2/NDF:18.2/12

Left: 0.001+/-0.011 χ^2/NDF: 38.0/25

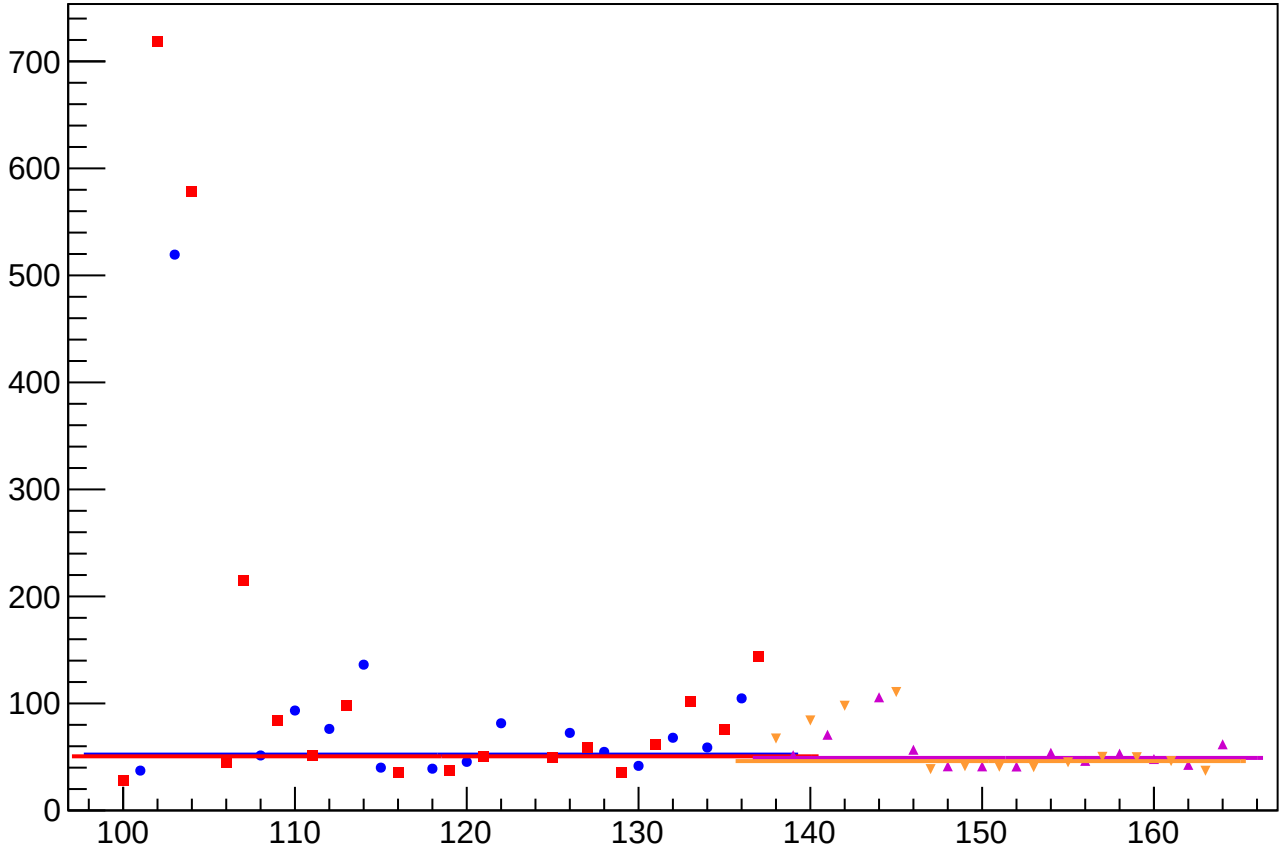
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.013 χ^2/NDF:31.7/28

Out: -0.001+/-0.013 χ^2/NDF:32.4/30

All: -0.003+/-0.009 χ^2/NDF: 64.2/59

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: 46.125+/-0.011 χ^2/NDF:1422054.2/12

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.090+/-0.011 χ^2/NDF:943258.6/12

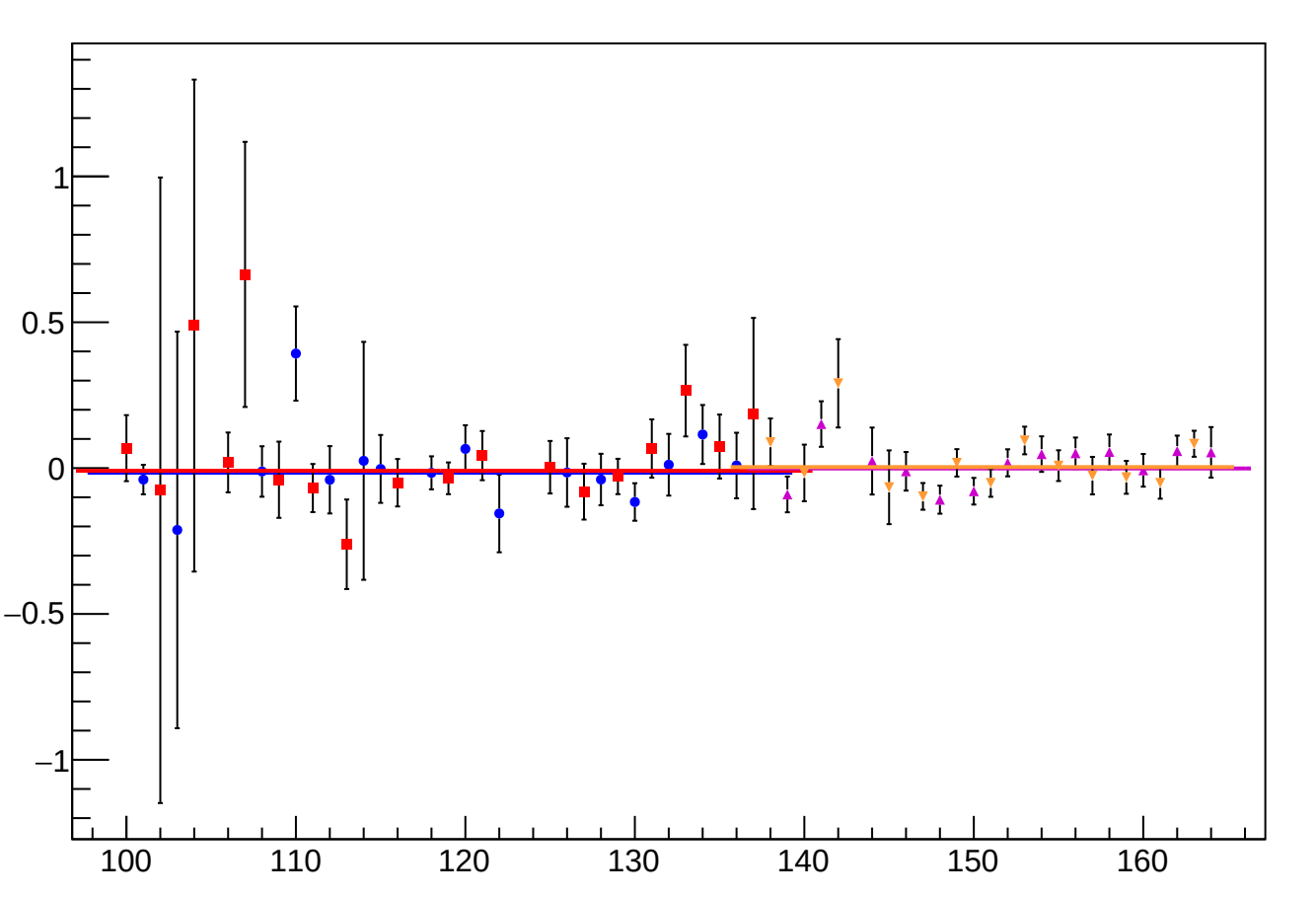
Left: 47.583+/-0.008 χ^2/NDF: 2399378.0/25

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

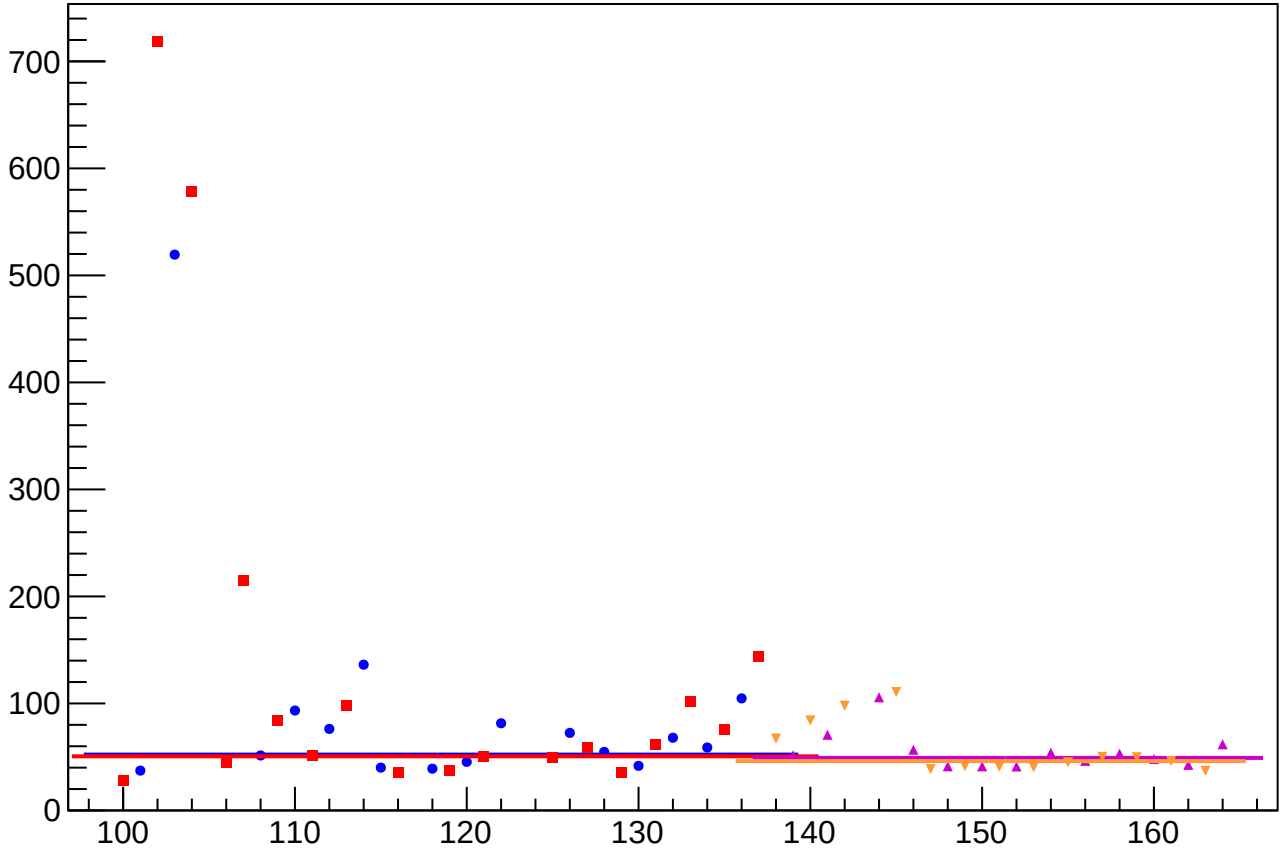
In: 50.139+/-0.009 χ^2/NDF:3234991.4/28

Out: 47.521+/-0.009 χ^2/NDF:4522427.9/30

All: 48.833+/-0.007 χ^2/NDF: 7796838.4/59


asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
110
120
130
140
150
160
Right In: -0.016+/-0.023 χ²/NDF: 13.2/15
Left Out: 0.003+/-0.016 χ²/NDF:19.7/12
Right Out: -0.009+/-0.024 χ²/NDF: 12.5/17
Left In: -0.001+/-0.016 χ²/NDF:18.2/12
Left: 0.001+/-0.011 χ²/NDF: 38.0/25
Right: -0.013+/-0.016 χ²/NDF: 25.7/33
In: -0.006+/-0.013 χ²/NDF:31.7/28
Out: -0.001+/-0.013 χ²/NDF:32.4/30
All: -0.003+/-0.009 χ²/NDF: 64.2/59

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: 46.125+/-0.011 χ^2/NDF:1422054.2/12

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 49.090+/-0.011 χ^2/NDF:943258.6/12

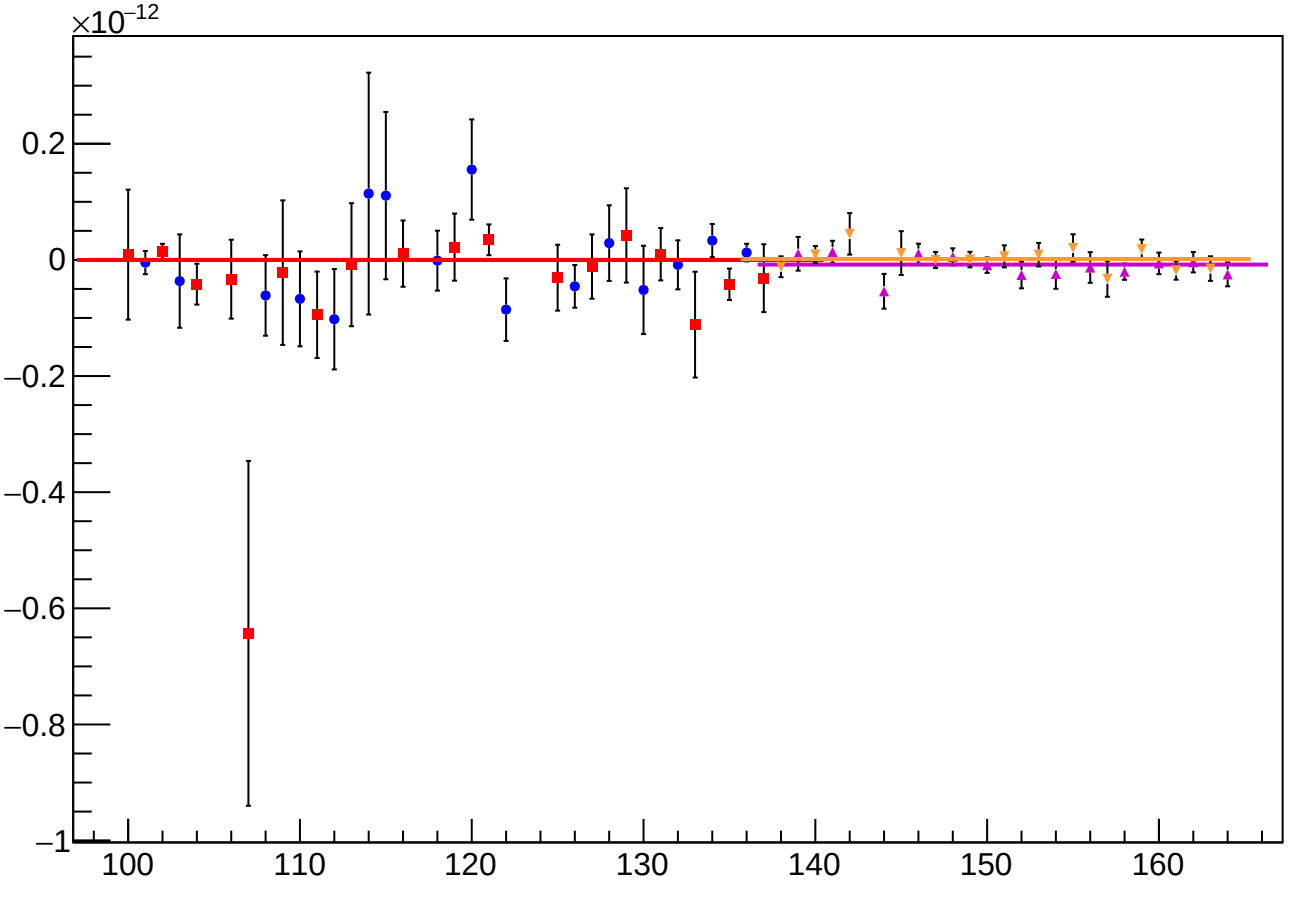
Left: 47.583+/-0.008 χ^2/NDF: 2399378.0/25

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.139+/-0.009 χ^2/NDF:3234991.4/28

Out: 47.521+/-0.009 χ^2/NDF:4522427.9/30

All: 48.833+/-0.007 χ^2/NDF: 7796838.4/59



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:8.6/12

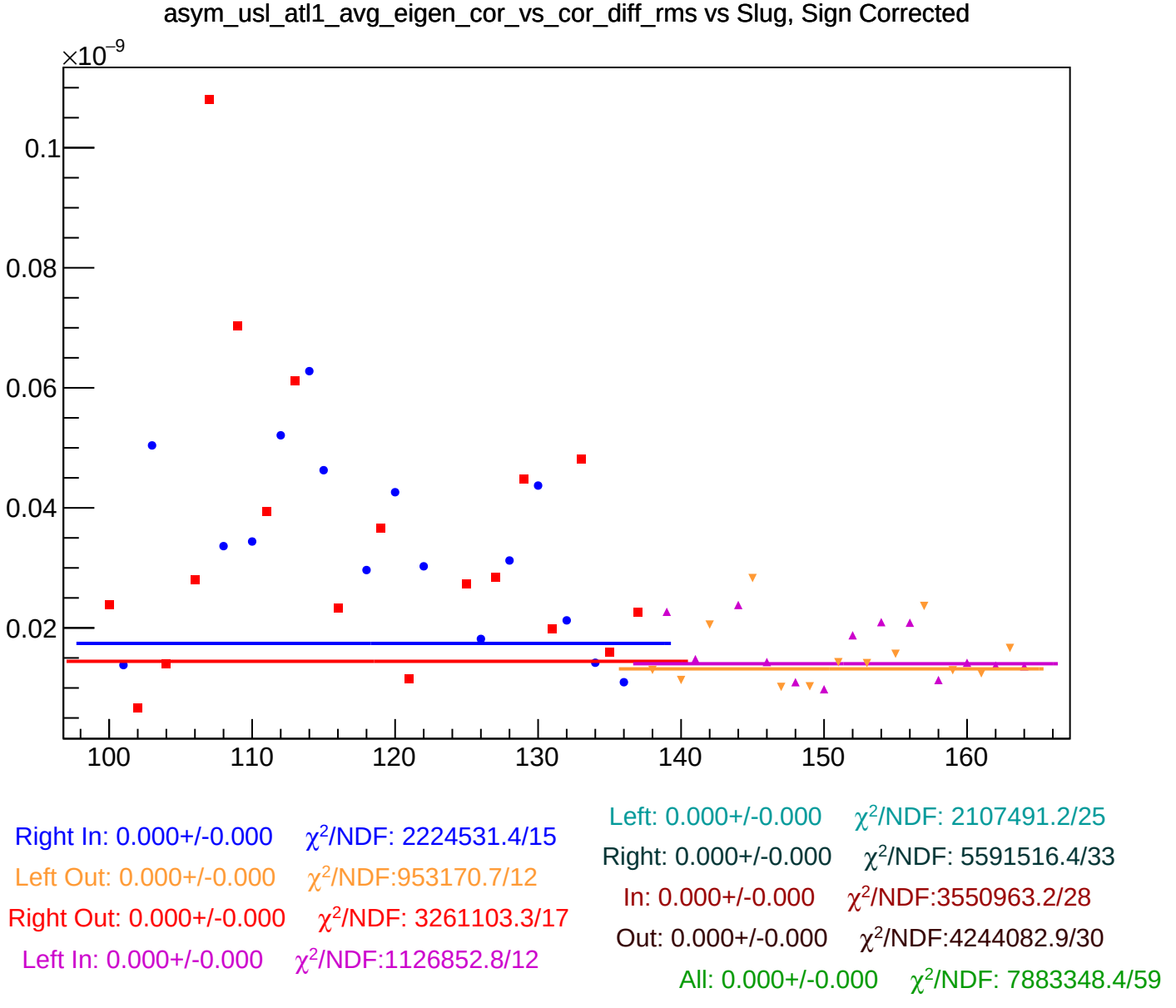
Left: -0.000+/-0.000 χ^2/NDF: 17.9/25

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

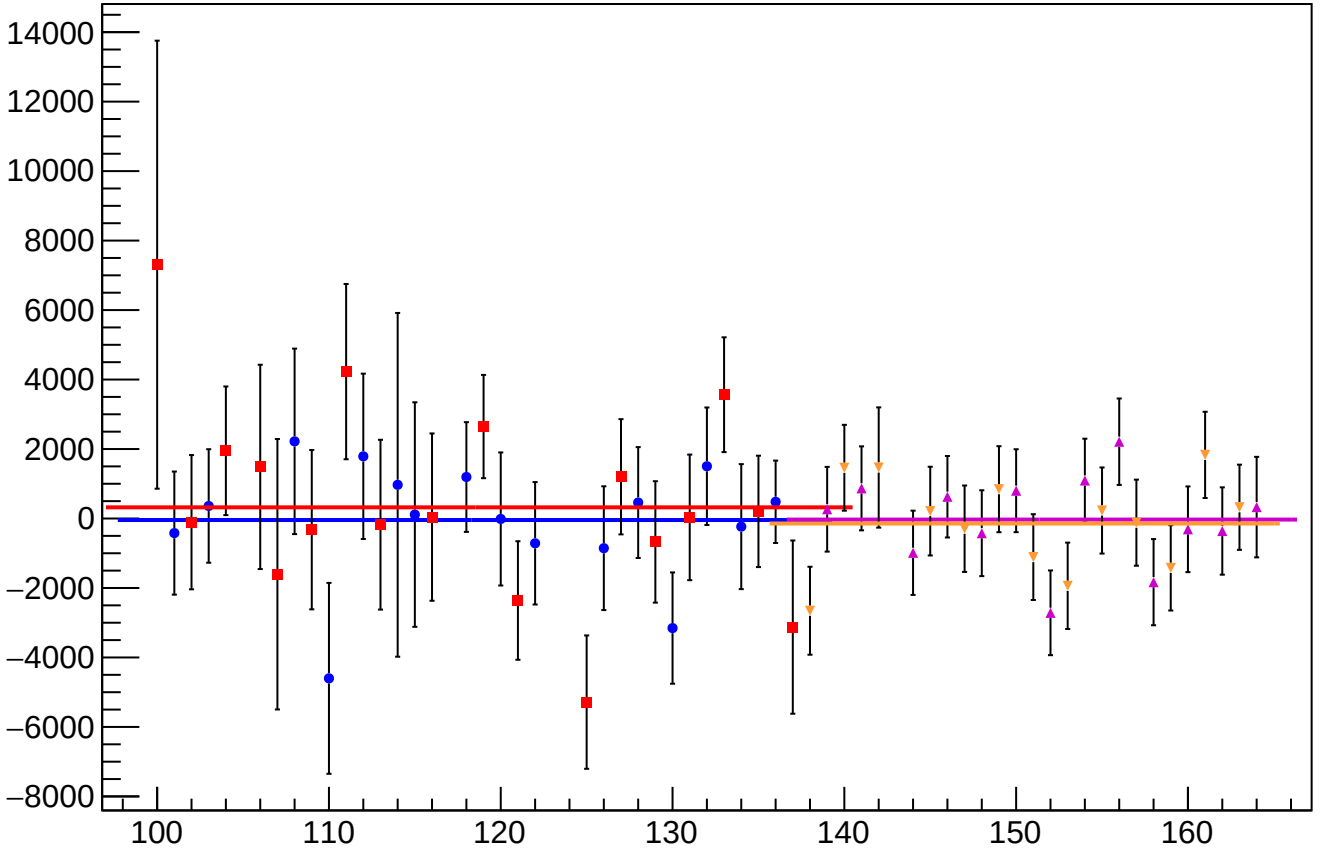
In: -0.000+/-0.000 χ^2/NDF:23.2/28

Out: 0.000+/-0.000 χ^2/NDF:23.7/30

All: -0.000+/-0.000 χ^2/NDF: 48.2/59


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:953170.7/12
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:1126852.8/12
Left: 0.000+/-0.000 χ²/NDF: 2107491.2/25
Right: 0.000+/-0.000 χ²/NDF: 5591516.4/33
In: 0.000+/-0.000 χ²/NDF:3550963.2/28
Out: 0.000+/-0.000 χ²/NDF:4244082.9/30
All: 0.000+/-0.000 χ²/NDF: 7883348.4/59

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -144.246+/-351.183 χ^2/NDF:13.8/12

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: -30.922+/-342.025 χ^2/NDF:13.4/12

Left: -86.087+/-245.022 χ^2/NDF: 27.2/25

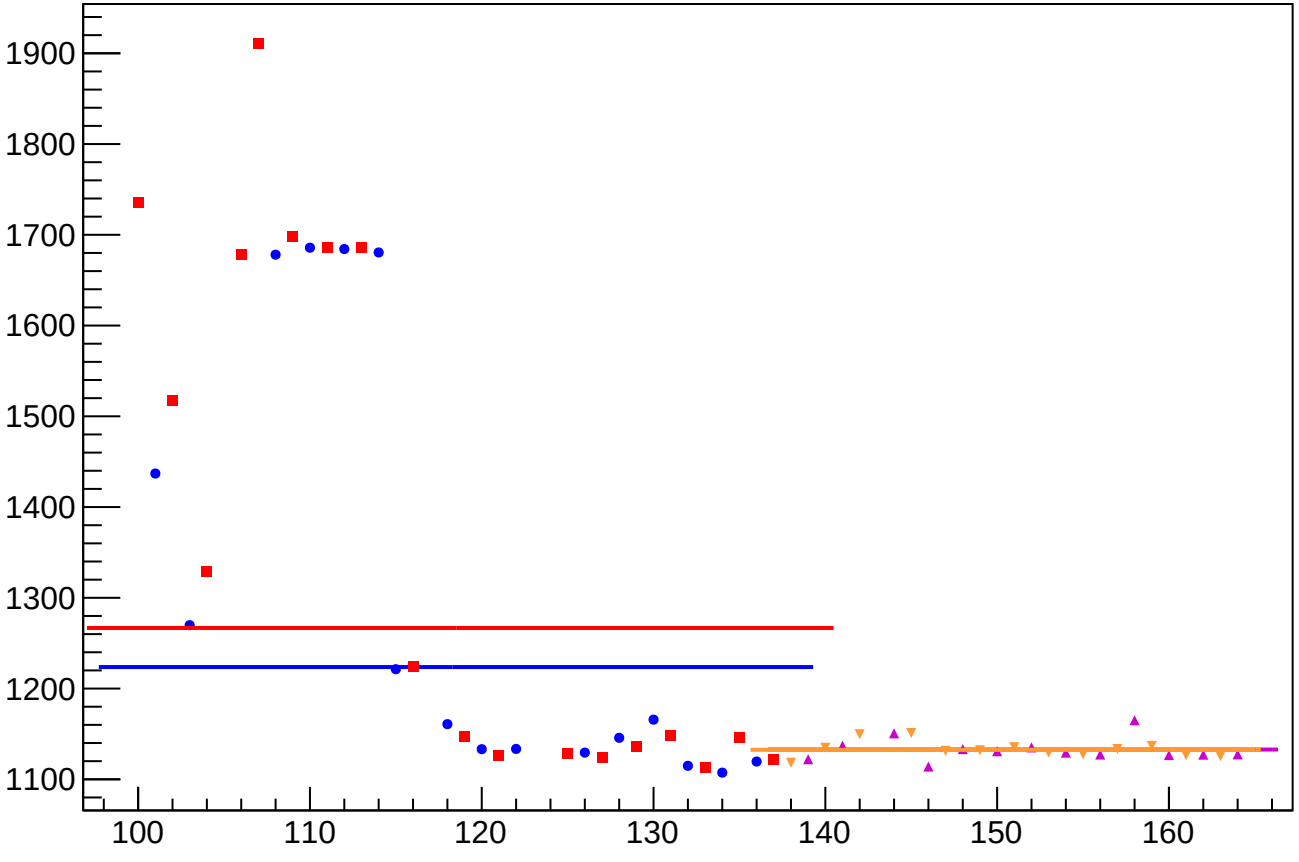
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: -35.475+/-274.304 χ^2/NDF:23.5/28

Out: 20.305+/-282.373 χ^2/NDF:39.2/30

All: -8.393+/-196.753 χ^2/NDF: 62.7/59

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1132.507+/-0.248 χ^2/NDF:1071.3/12

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1132.821+/-0.242 χ^2/NDF:2657.5/12

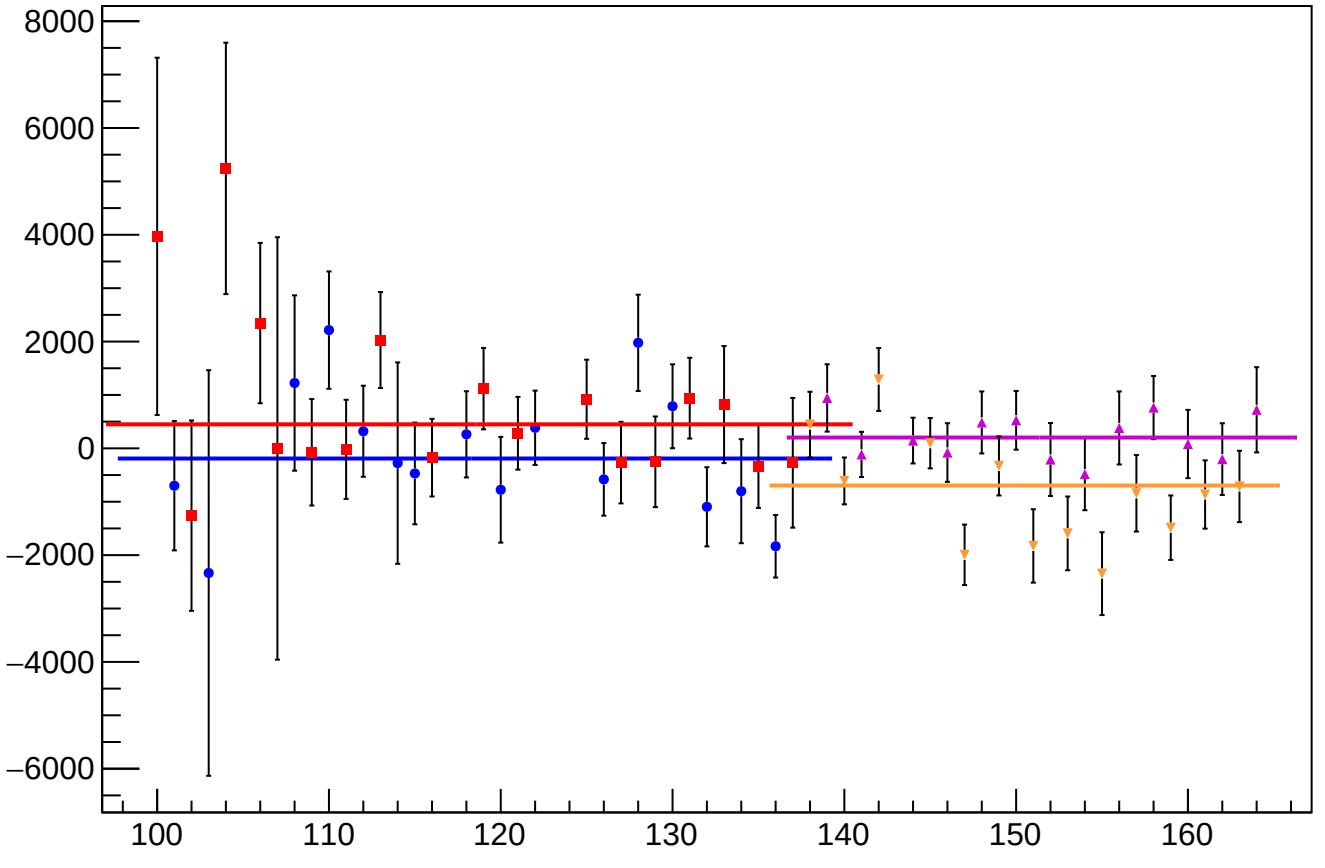
Left: 1132.668+/-0.173 χ^2/NDF: 3729.6/25

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1165.248+/-0.194 χ^2/NDF:348009.8/28

Out: 1179.970+/-0.200 χ^2/NDF:537266.4/30

All: 1172.396+/-0.139 χ^2/NDF: 888073.3/59



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -696.563+/-164.699 χ^2/NDF:34.1/12

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 202.298+/-160.793 χ^2/NDF:6.0/12

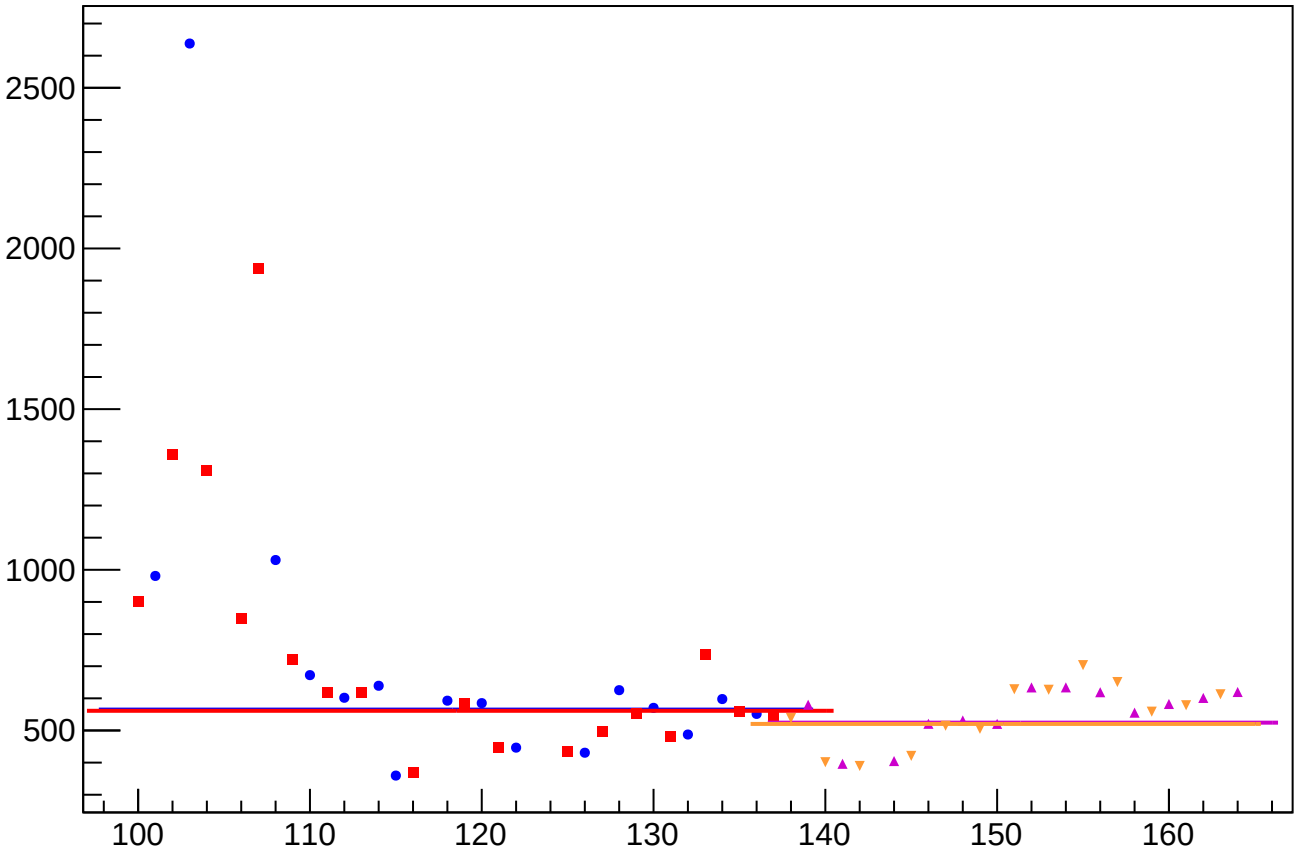
Left: -236.348+/-115.054 χ^2/NDF: 55.4/25

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 67.785+/-130.398 χ^2/NDF:33.3/28

Out: -292.415+/-132.526 χ^2/NDF:68.0/30

All: -109.400+/-92.949 χ^2/NDF: 105.1/59



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 520.364+/-0.116 χ^2/NDF:675658.2/12

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 524.337+/-0.114 χ^2/NDF:573837.1/12

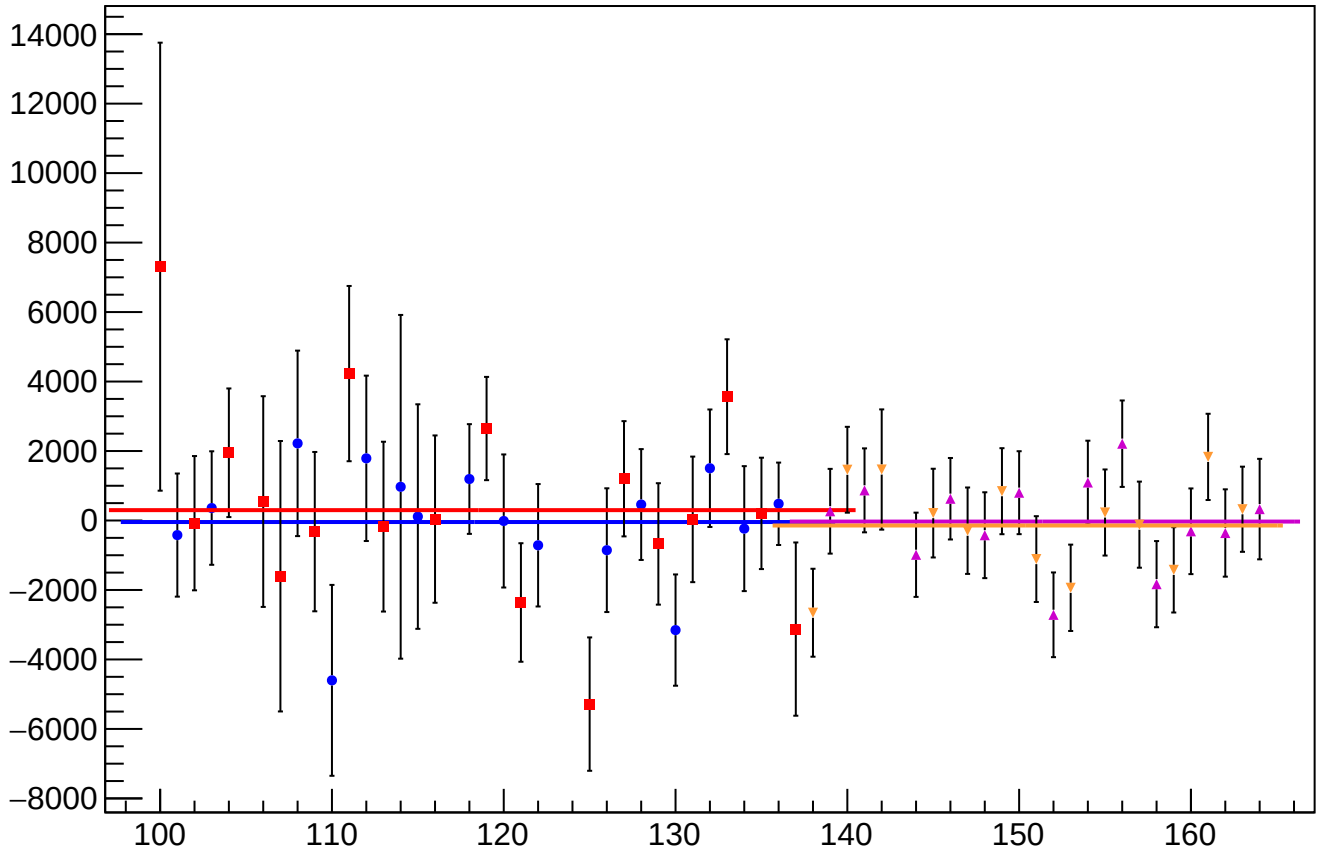
Left: 522.398+/-0.081 χ^2/NDF: 1250091.0/25

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 538.243+/-0.092 χ^2/NDF:1902014.0/28

Out: 534.776+/-0.094 χ^2/NDF:2071333.5/30

All: 536.537+/-0.066 χ^2/NDF: 3974043.1/59



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -144.189+/-351.183 χ^2/NDF:13.8/12

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -30.937+/-342.025 χ^2/NDF:13.4/12

Left: -86.067+/-245.022 χ^2/NDF: 27.2/25

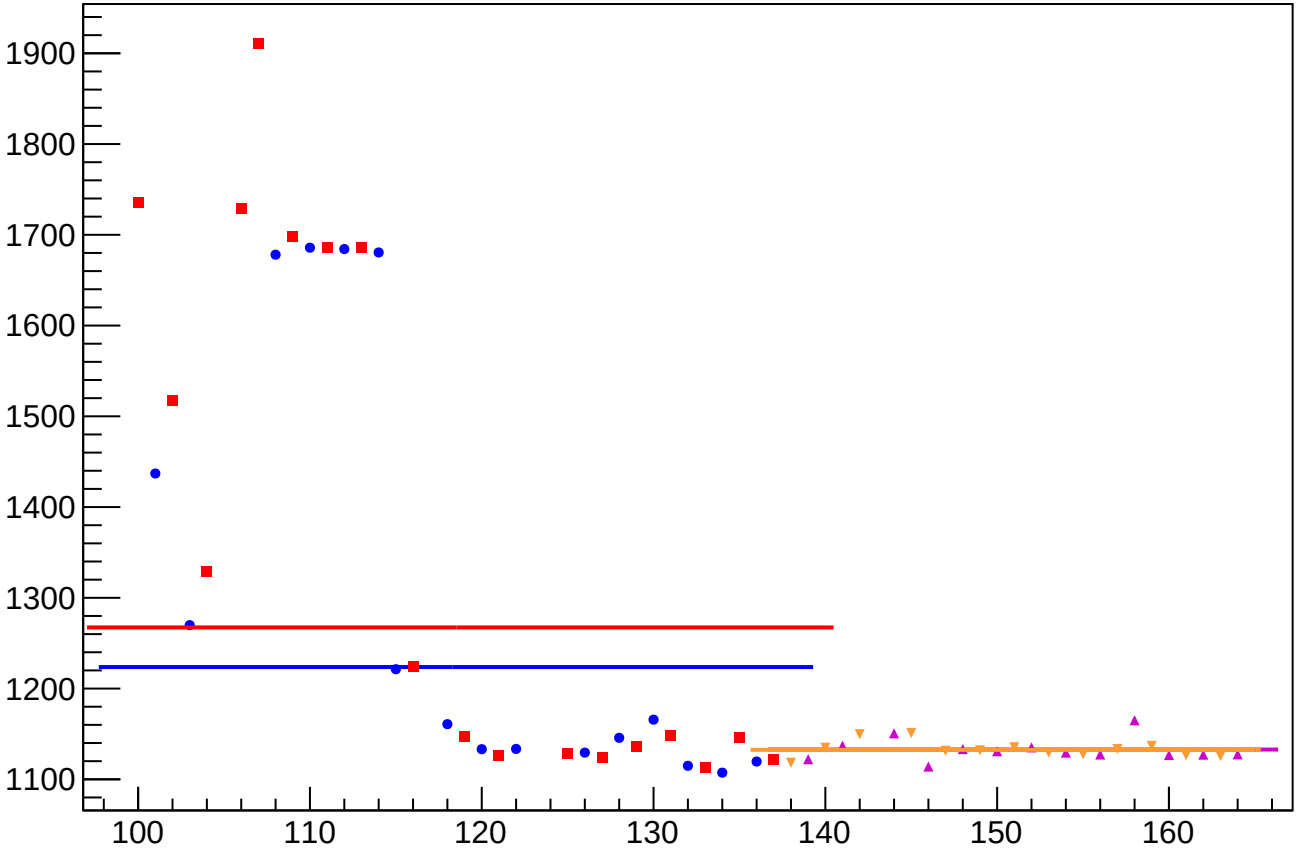
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -35.570+/-274.304 χ^2/NDF:23.5/28

Out: 12.031+/-282.452 χ^2/NDF:38.9/30

All: -12.466+/-196.780 χ^2/NDF: 62.4/59

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1132.507+/-0.248 χ^2/NDF:1071.3/12

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1132.821+/-0.242 χ^2/NDF:2657.5/12

Left: 1132.668+/-0.173 χ^2/NDF: 3729.6/25

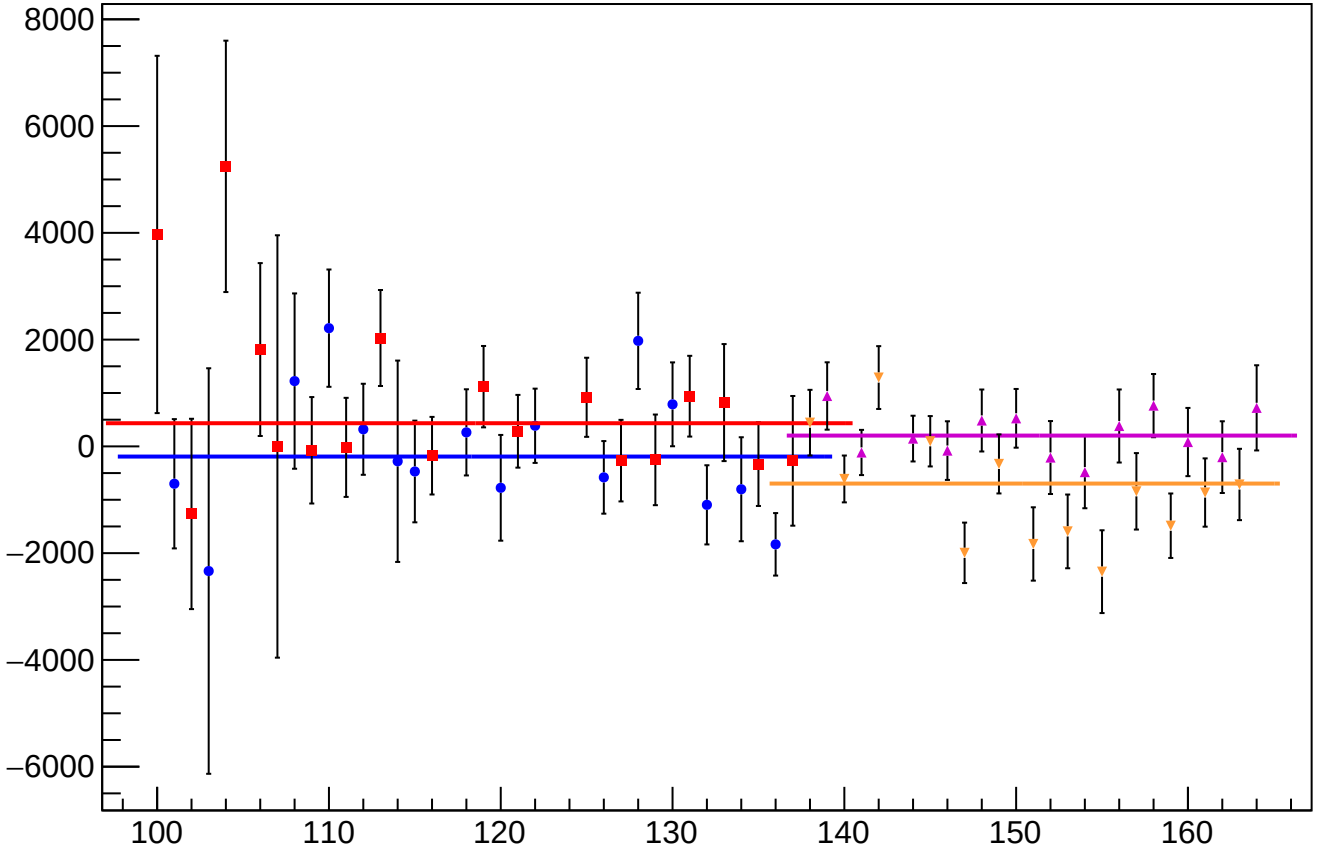
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1165.248+/-0.194 χ^2/NDF:348009.9/28

Out: 1180.128+/-0.200 χ^2/NDF:545196.9/30

All: 1172.470+/-0.139 χ^2/NDF: 896063.3/59

asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -696.567+/-164.698 χ^2/NDF:34.1/12

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 202.309+/-160.793 χ^2/NDF:6.0/12

Left: -236.346+/-115.054 χ^2/NDF: 55.4/25

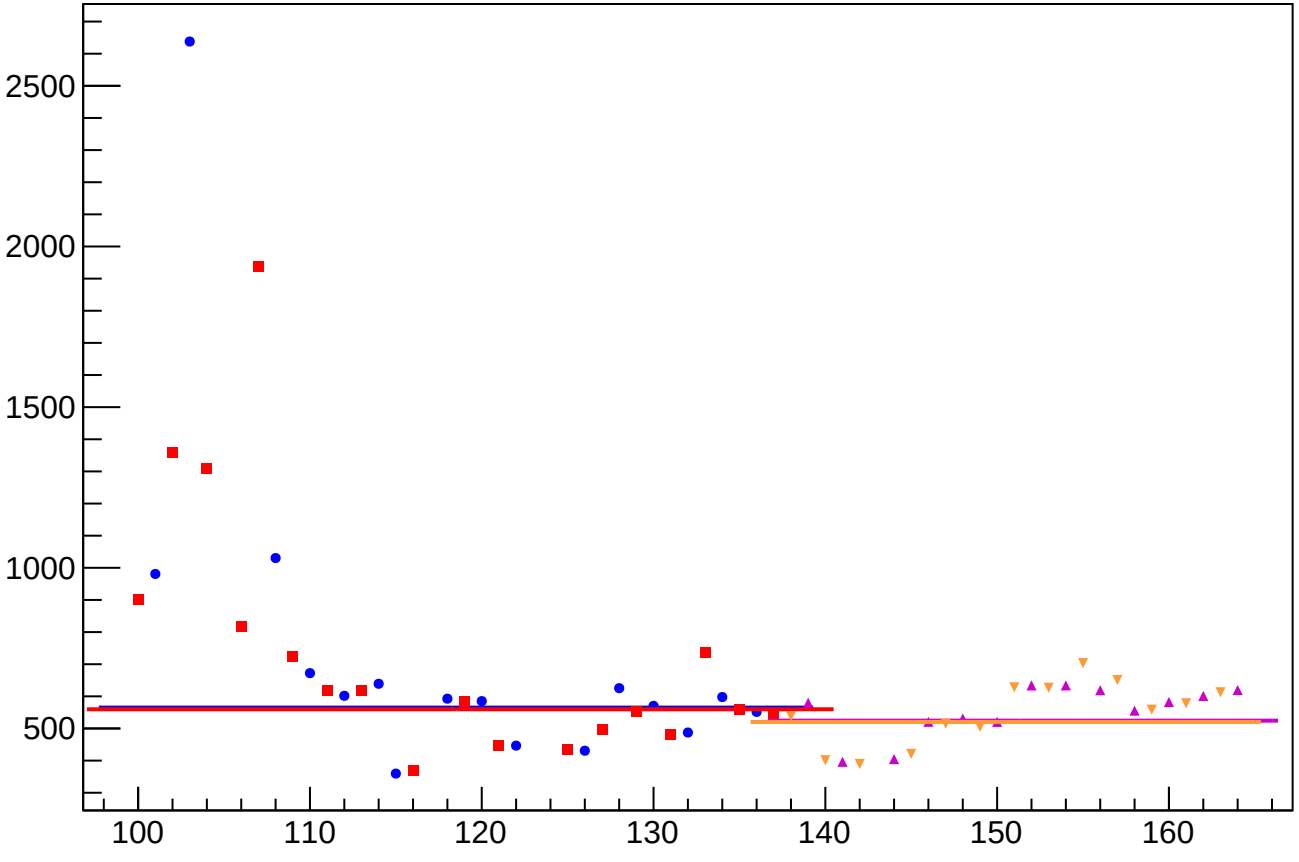
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 67.788+/-130.398 χ^2/NDF:33.3/28

Out: -298.845+/-132.597 χ^2/NDF:66.6/30

All: -112.463+/-92.973 χ^2/NDF: 103.8/59

asym_usl_atl1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 520.362+/-0.116 χ^2/NDF:675630.4/12

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 524.338+/-0.114 χ^2/NDF:573797.9/12

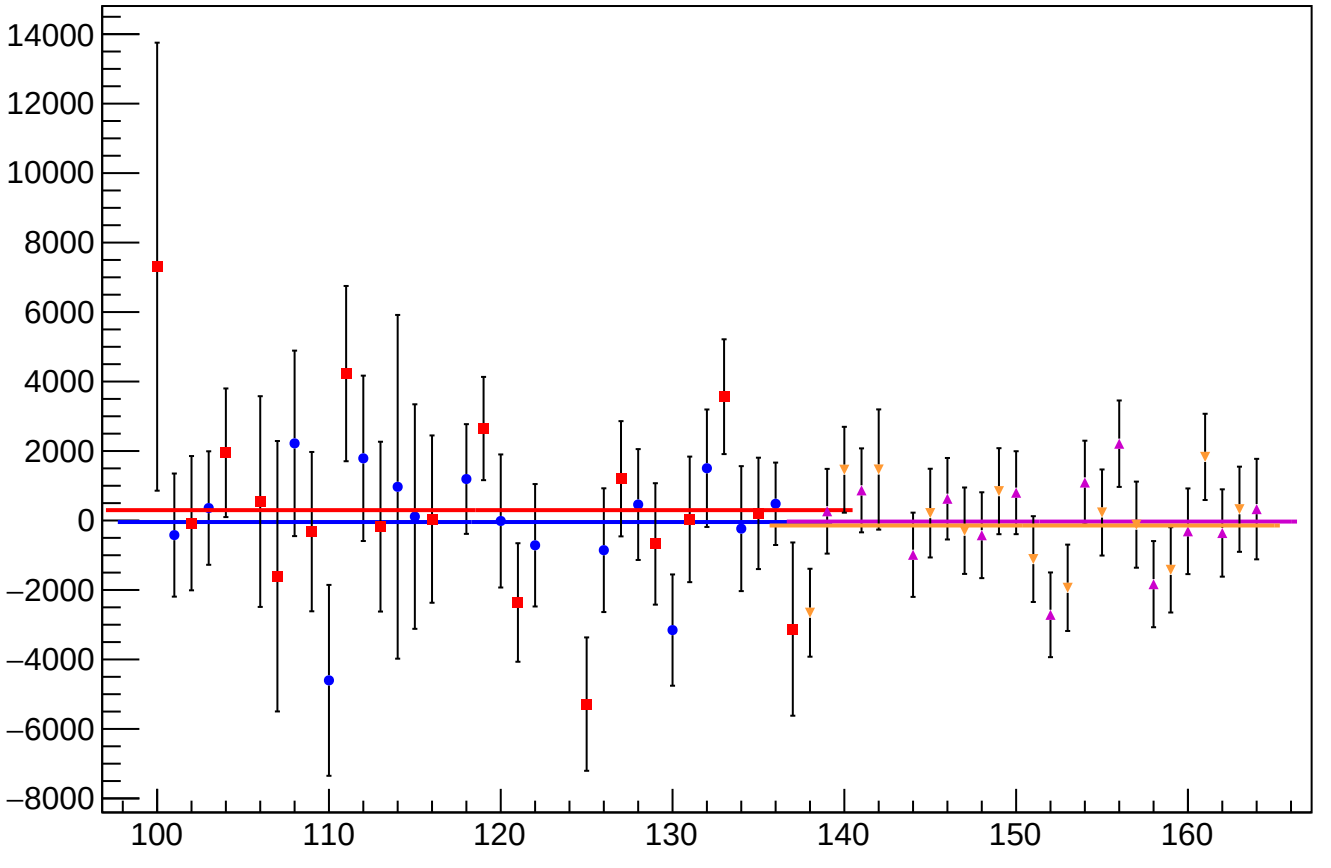
Left: 522.397+/-0.081 χ^2/NDF: 1250024.9/25

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 538.242+/-0.092 χ^2/NDF:1901940.2/28

Out: 534.222+/-0.094 χ^2/NDF:2045248.2/30

All: 536.266+/-0.066 χ^2/NDF: 3948122.8/59



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -144.189+/-351.183 χ^2/NDF:13.8/12

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -30.937+/-342.025 χ^2/NDF:13.4/12

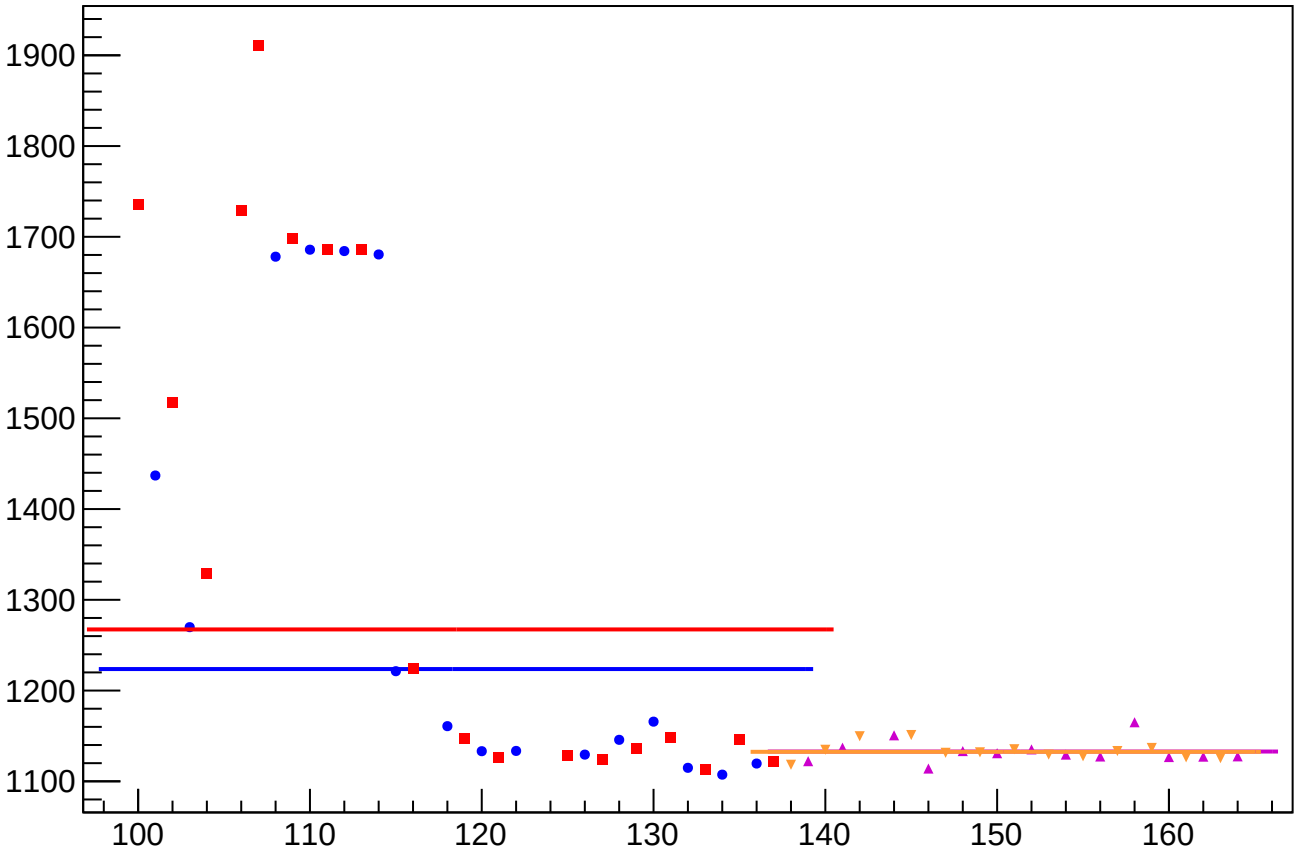
Left: -86.067+/-245.022 χ^2/NDF: 27.2/25

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -35.570+/-274.304 χ^2/NDF:23.5/28

Out: 12.031+/-282.452 χ^2/NDF:38.9/30

All: -12.466+/-196.780 χ^2/NDF: 62.4/59



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1132.507+/-0.248 χ^2/NDF:1071.3/12

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1132.821+/-0.242 χ^2/NDF:2657.5/12

Left: 1132.668+/-0.173 χ^2/NDF: 3729.6/25

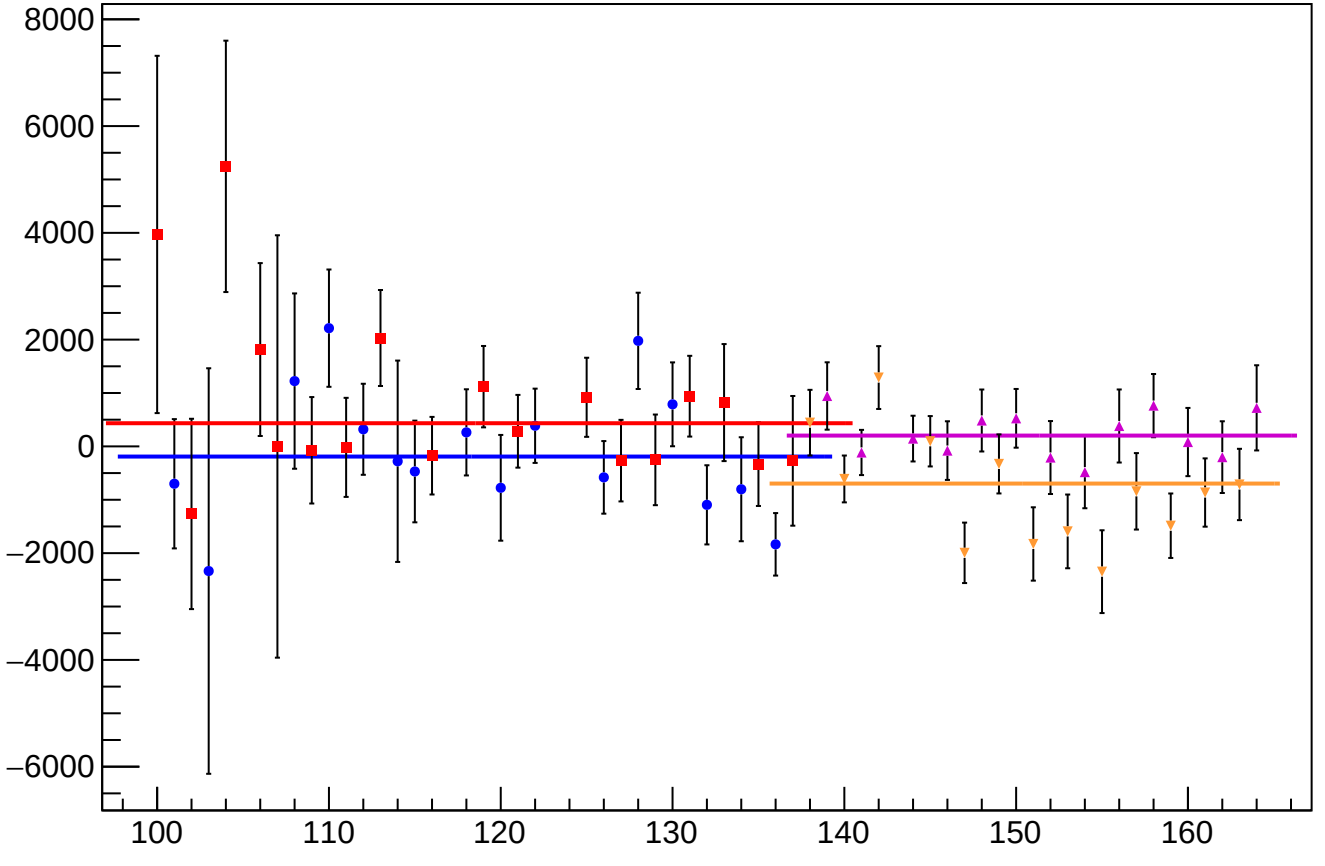
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1165.248+/-0.194 χ^2/NDF:348009.9/28

Out: 1180.128+/-0.200 χ^2/NDF:545196.9/30

All: 1172.470+/-0.139 χ^2/NDF: 896063.3/59

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: -696.567+/-164.698 χ^2/NDF:34.1/12

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 202.309+/-160.793 χ^2/NDF:6.0/12

Left: -236.346+/-115.054 χ^2/NDF: 55.4/25

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

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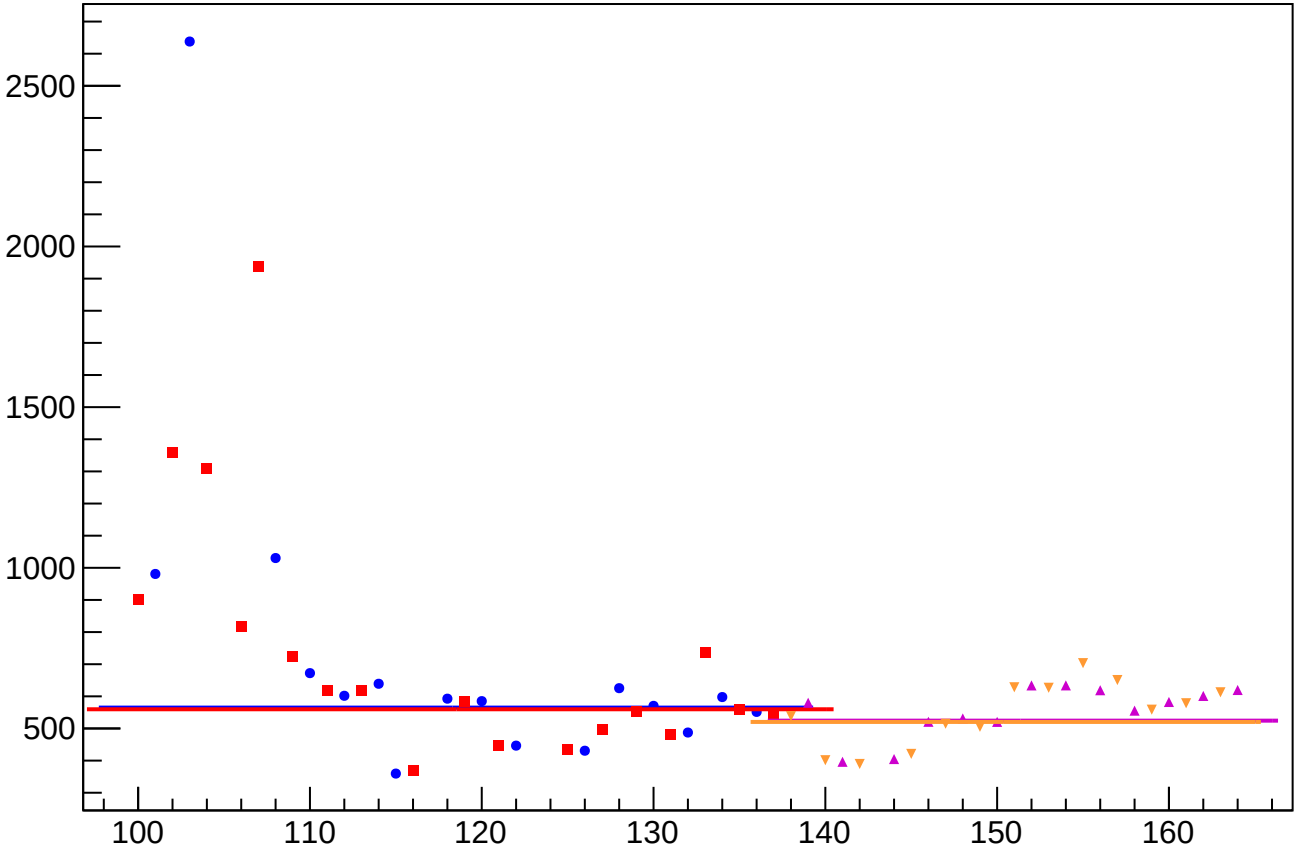
Out: -298.845+/-132.597 χ^2/NDF:66.6/30

All: -112.463+/-92.973 χ^2/NDF: 103.8/59

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: 520.362+/-0.116 χ^2/NDF:675630.4/12

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 524.338+/-0.114 χ^2/NDF:573797.9/12

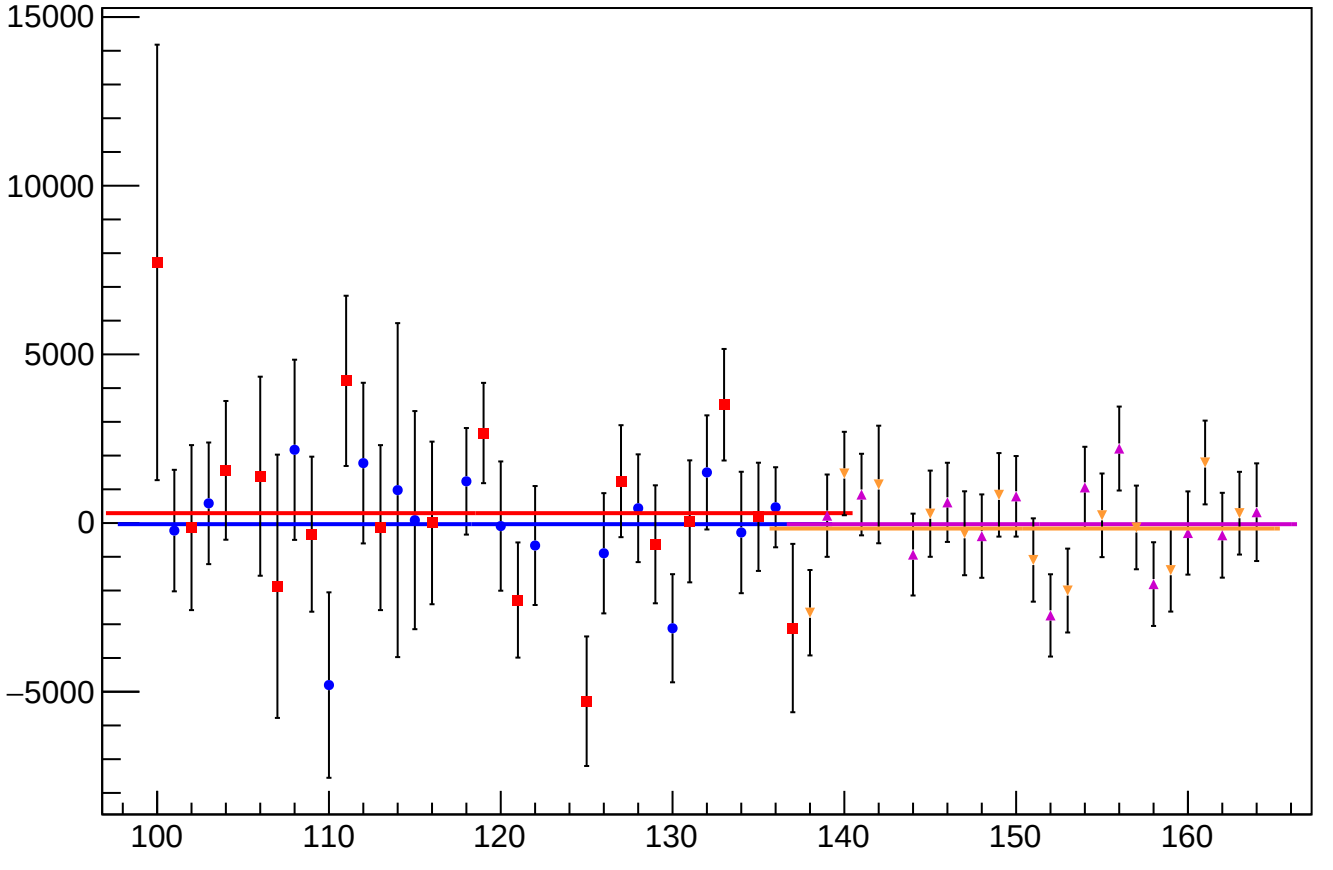
Left: 522.397+/-0.081 χ^2/NDF: 1250024.9/25

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 538.242+/-0.092 χ^2/NDF:1901940.2/28

Out: 534.222+/-0.094 χ^2/NDF:2045248.2/30

All: 536.266+/-0.066 χ^2/NDF: 3948122.8/59



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -162.555+/-351.418 χ^2/NDF:13.5/12

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -33.956+/-342.161 χ^2/NDF:13.2/12

Left: -96.540+/-245.152 χ^2/NDF: 26.7/25

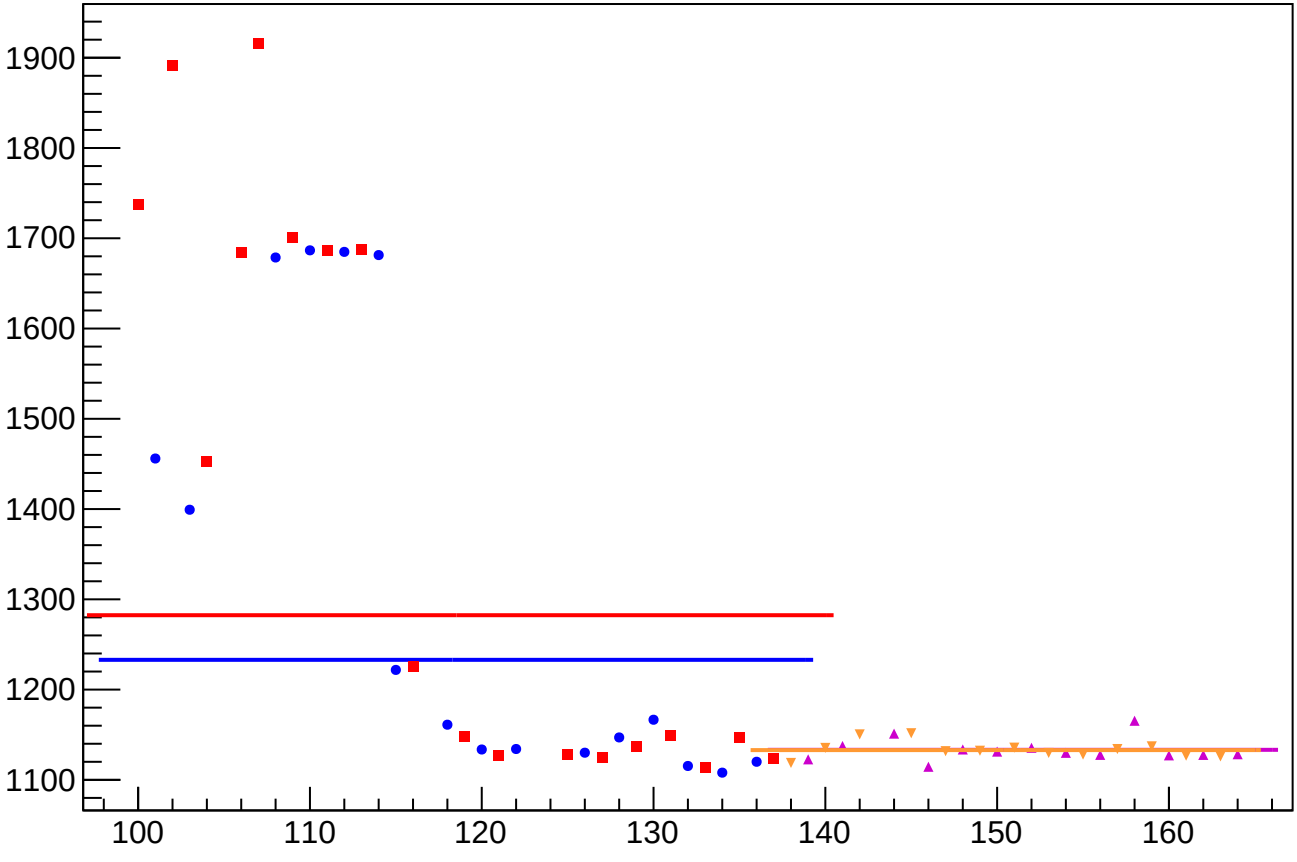
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -33.641+/-275.219 χ^2/NDF:23.5/28

Out: -5.097+/-284.334 χ^2/NDF:38.3/30

All: -19.833+/-197.753 χ^2/NDF: 61.7/59

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1132.964+/-0.248 χ^2/NDF:1083.1/12

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1133.272+/-0.242 χ^2/NDF:2650.7/12

Left: 1133.122+/-0.173 χ^2/NDF: 3734.5/25

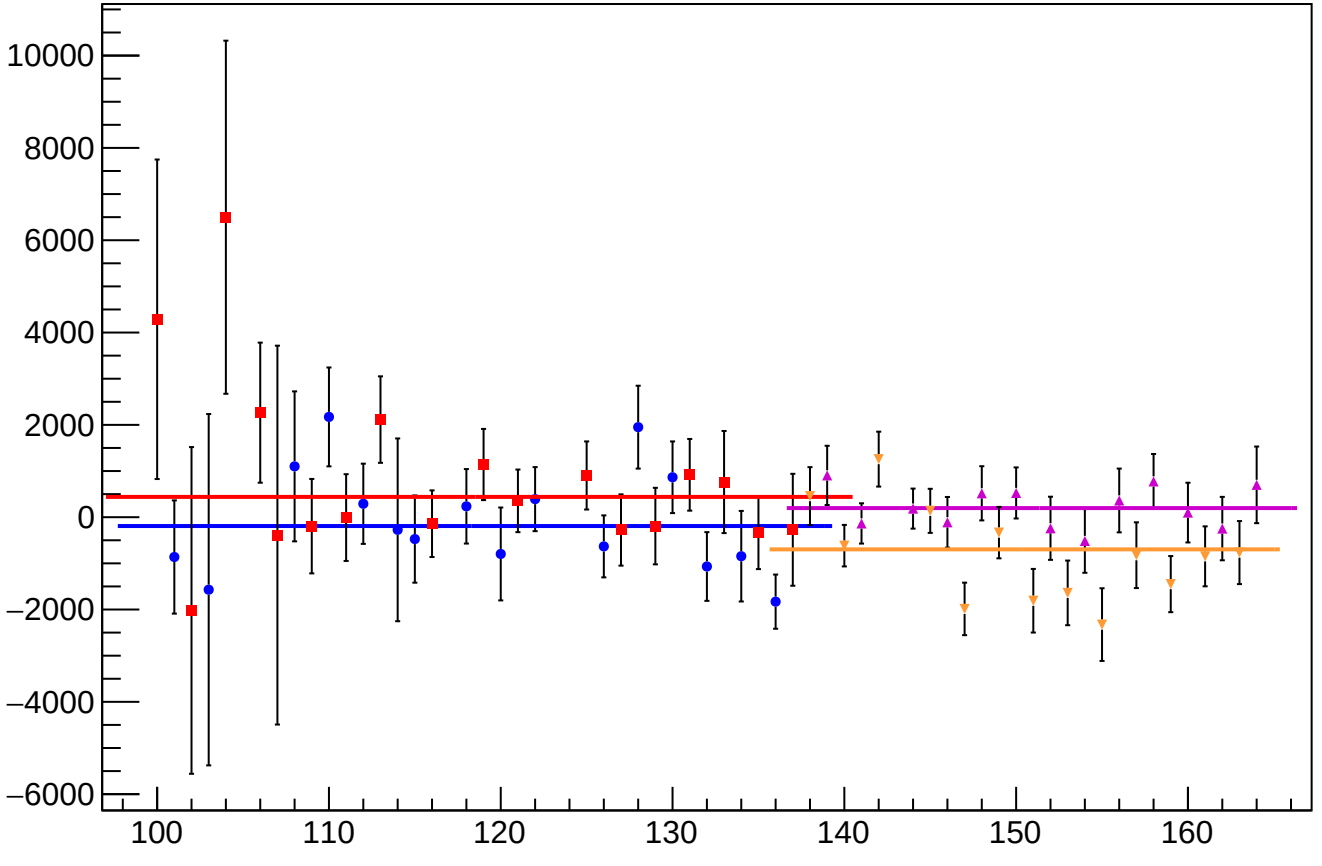
Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1168.465+/-0.195 χ^2/NDF:378057.5/28

Out: 1184.574+/-0.201 χ^2/NDF:669394.6/30

All: 1176.257+/-0.140 χ^2/NDF: 1050766.6/59

asym_usl_atl1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -696.916+/-166.752 χ^2/NDF:33.2/12

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 197.450+/-163.034 χ^2/NDF:6.1/12

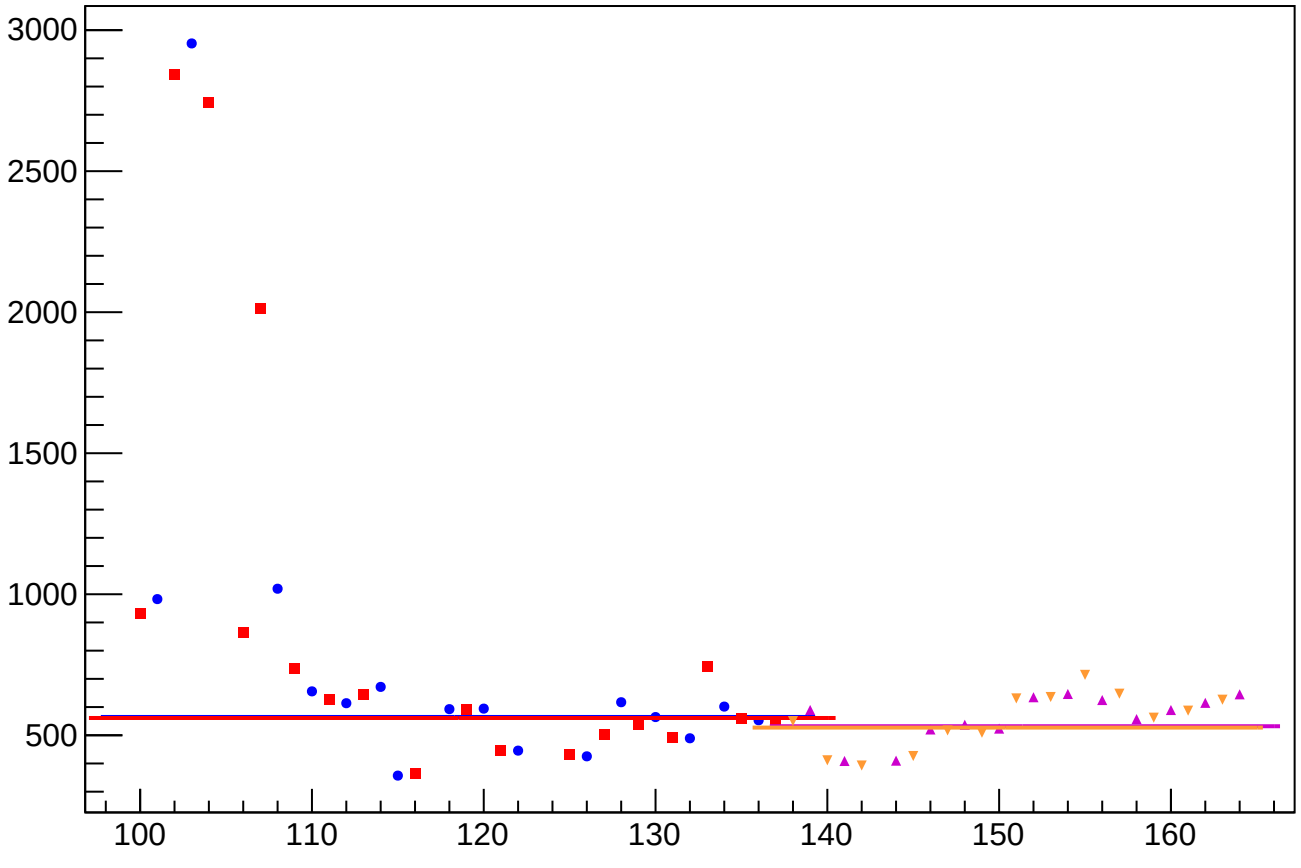
Left: -239.653+/-116.575 χ^2/NDF: 53.9/25

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 61.773+/-131.563 χ^2/NDF:33.3/28

Out: -297.663+/-134.306 χ^2/NDF:64.1/30

All: -114.238+/-93.984 χ^2/NDF: 101.1/59



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 527.230+/-0.118 χ^2/NDF:658254.9/12

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 532.041+/-0.115 χ^2/NDF:557504.1/12

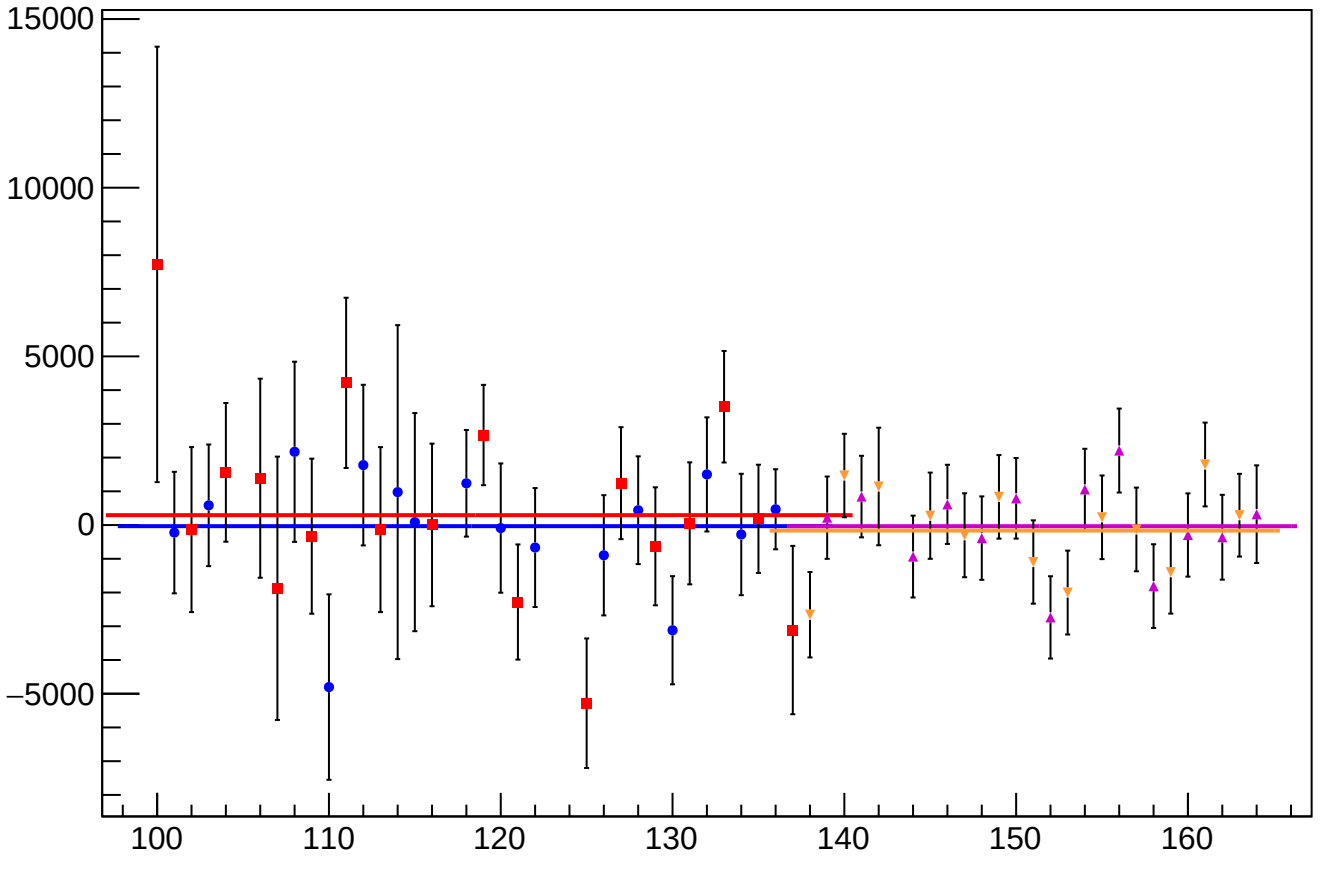
Left: 529.690+/-0.082 χ^2/NDF: 1216610.4/25

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 543.492+/-0.093 χ^2/NDF:2066166.1/28

Out: 539.189+/-0.095 χ^2/NDF:2960910.2/30

All: 541.385+/-0.066 χ^2/NDF: 5028124.3/59



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -162.558+/-351.418 χ^2/NDF:13.5/12

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -33.955+/-342.161 χ^2/NDF:13.2/12

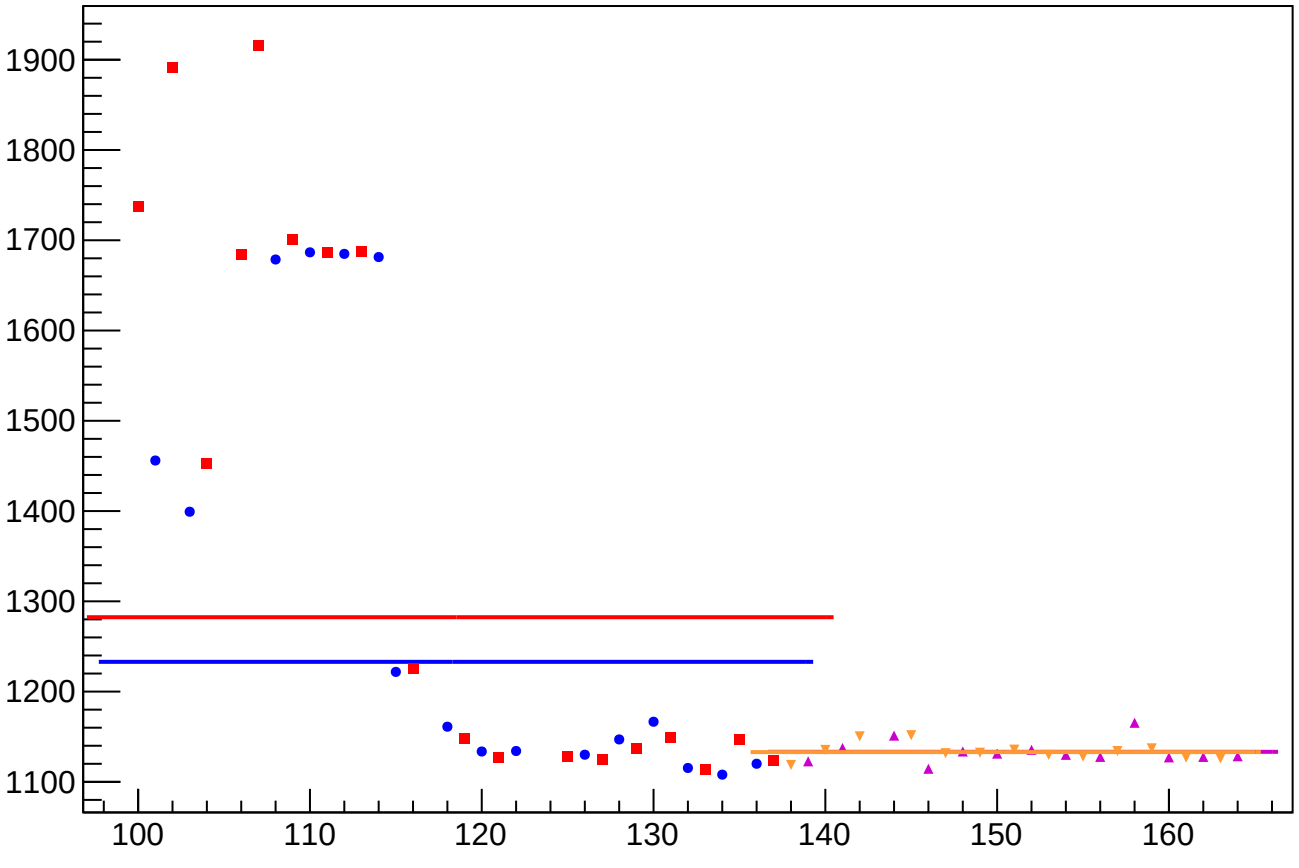
Left: -96.540+/-245.152 χ^2/NDF: 26.7/25

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -33.640+/-275.219 χ^2/NDF:23.5/28

Out: -5.098+/-284.334 χ^2/NDF:38.3/30

All: -19.834+/-197.753 χ^2/NDF: 61.7/59



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1132.964+/-0.248 χ^2/NDF:1083.0/12

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1133.272+/-0.242 χ^2/NDF:2650.7/12

Left: 1133.122+/-0.173 χ^2/NDF: 3734.5/25

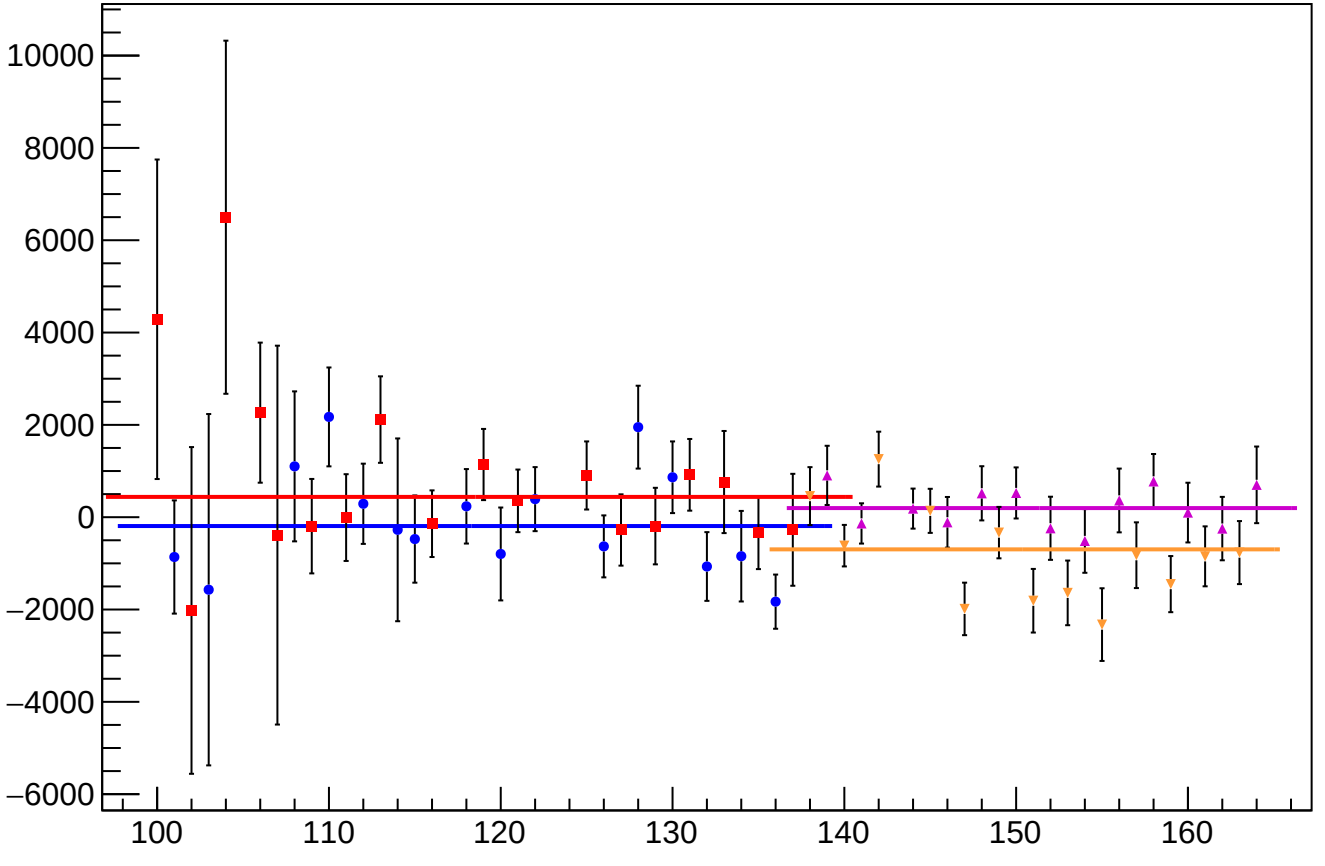
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1168.465+/-0.195 χ^2/NDF:378057.1/28

Out: 1184.574+/-0.201 χ^2/NDF:669393.9/30

All: 1176.257+/-0.140 χ^2/NDF: 1050765.5/59

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: -696.914+/-166.752 χ^2/NDF:33.2/12

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 197.450+/-163.034 χ^2/NDF:6.1/12

Left: -239.652+/-116.575 χ^2/NDF: 53.9/25

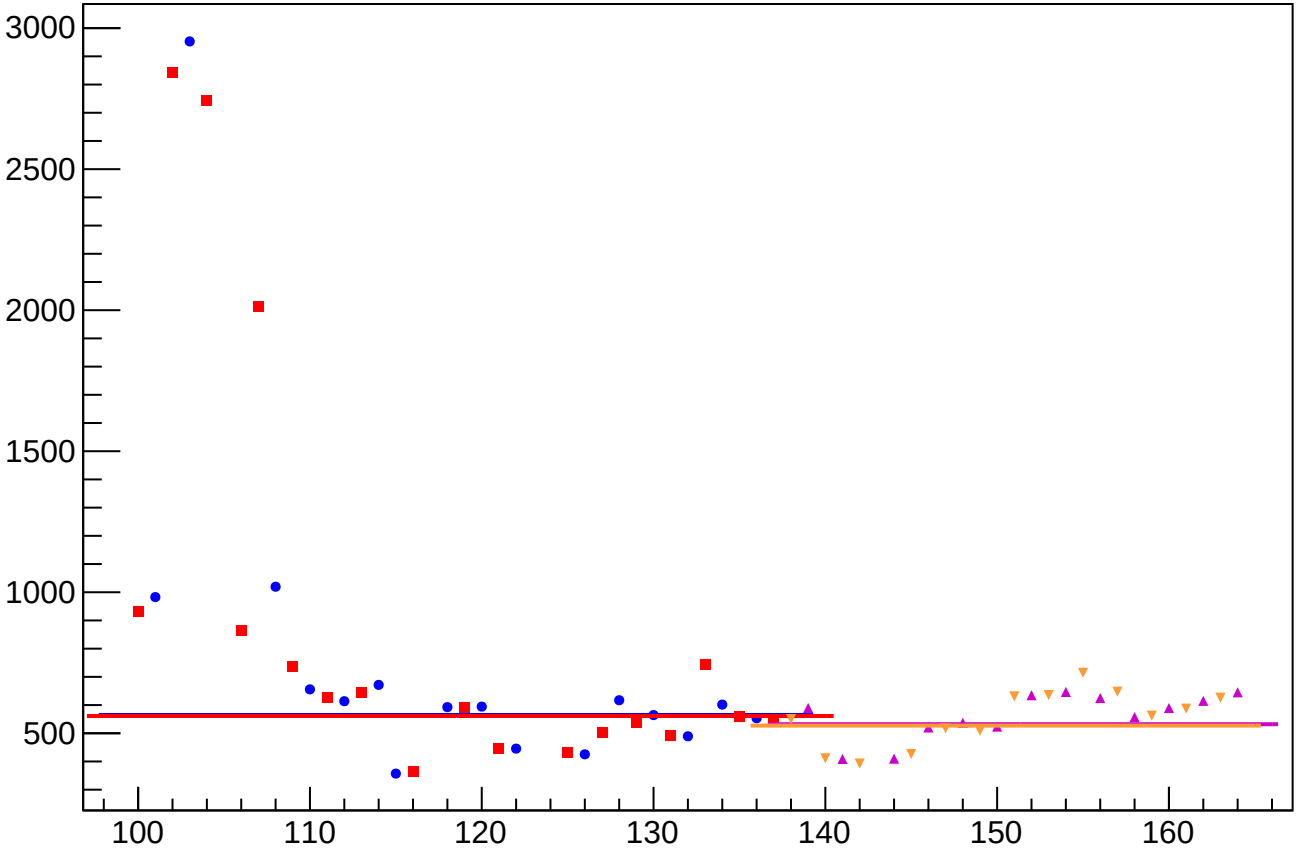
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 61.773+/-131.563 χ^2/NDF:33.3/28

Out: -297.662+/-134.306 χ^2/NDF:64.1/30

All: -114.237+/-93.984 χ^2/NDF: 101.1/59

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: 527.229+/-0.118 χ^2/NDF:658273.6/12

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

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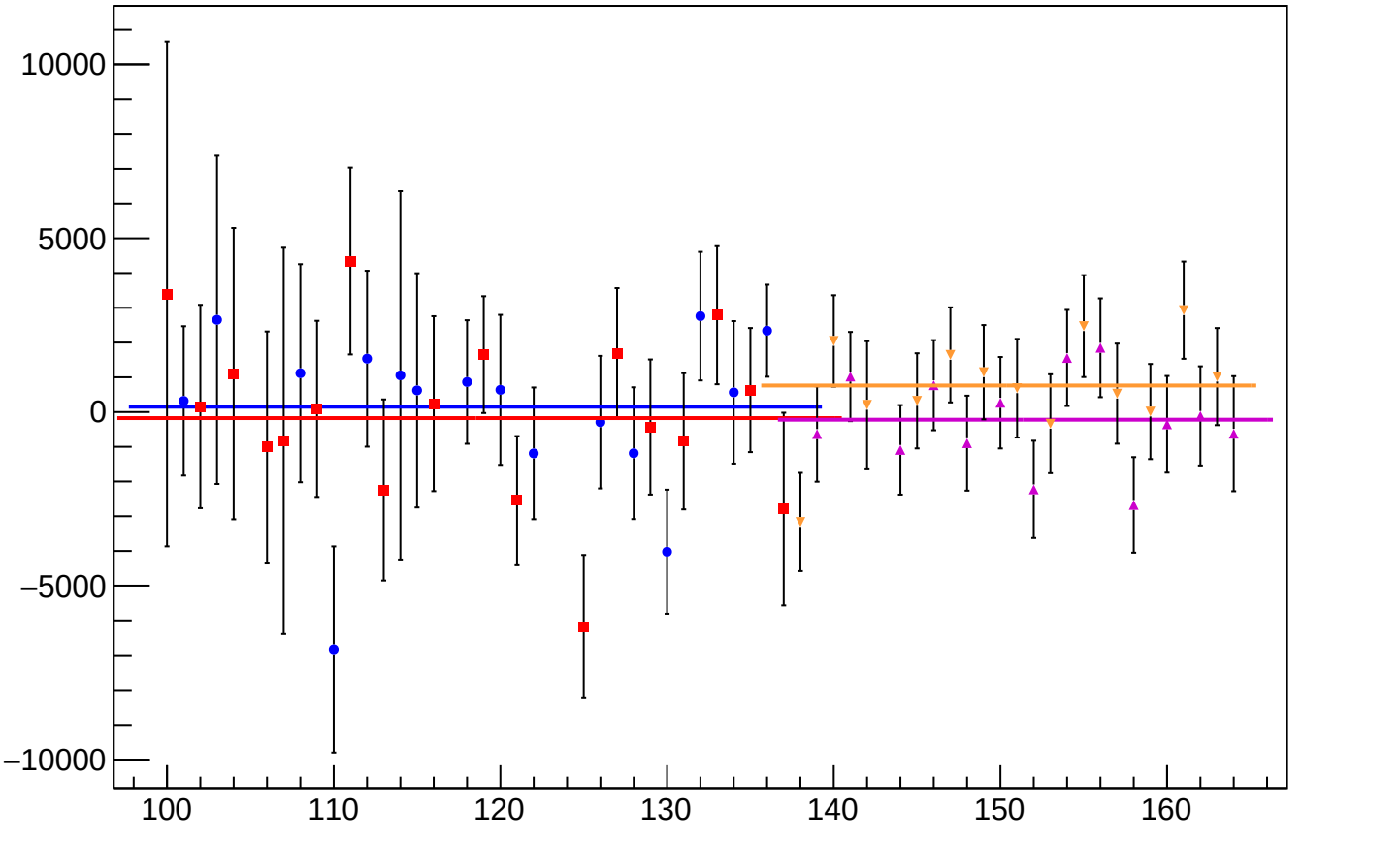
Left: 529.689+/-0.082 χ^2/NDF: 1216641.3/25

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

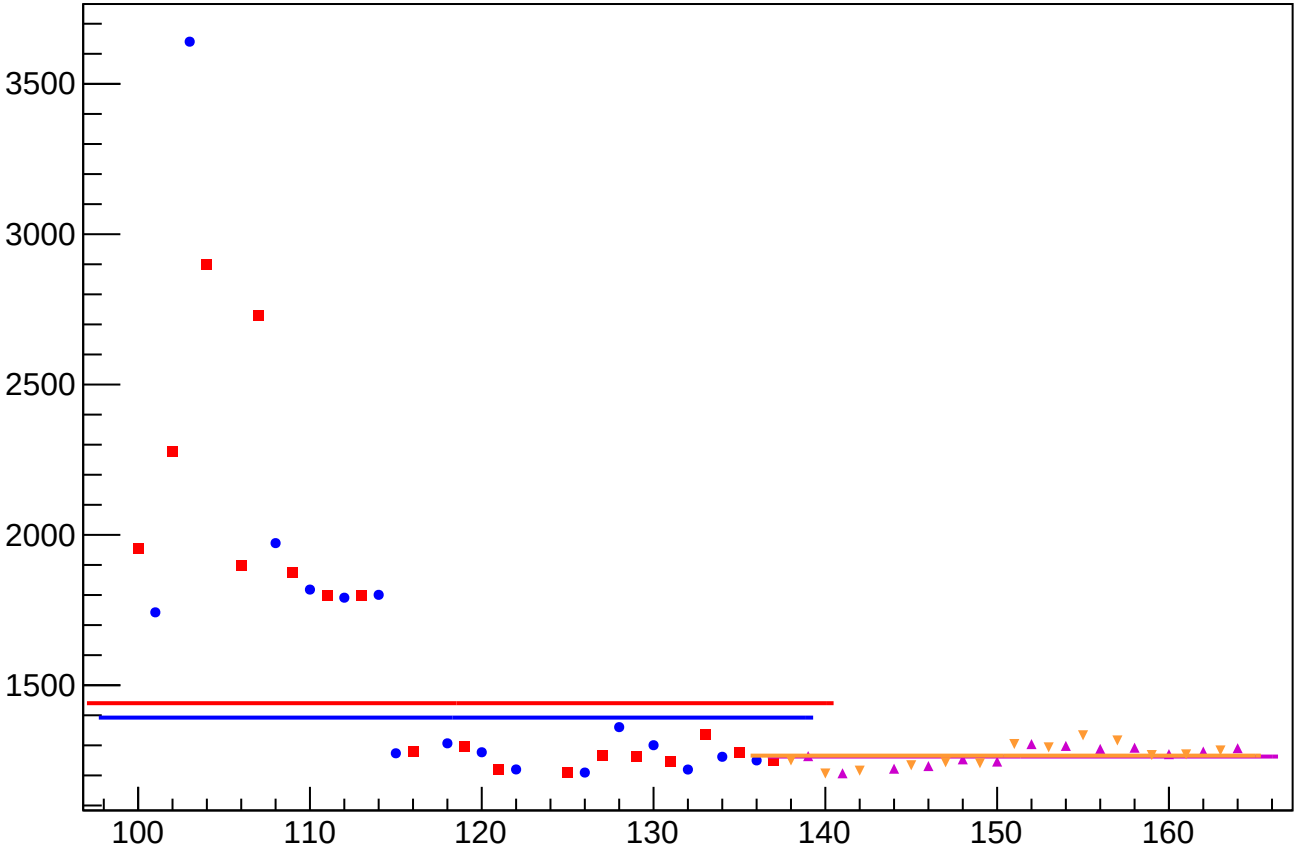
In: 543.492+/-0.093 χ^2/NDF:2066176.4/28

Out: 539.188+/-0.095 χ^2/NDF:2960930.9/30

All: 541.385+/-0.066 χ^2/NDF: 5028155.3/59


asym_usl_atl1_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 153.375+/-532.096 χ²/NDF: 17.8/15
Left Out: 763.417+/-392.728 χ²/NDF:14.1/12
Right Out: -174.319+/-550.153 χ²/NDF: 19.7/17
Left In: -220.625+/-381.364 χ²/NDF:11.5/12
Left: 256.954+/-273.594 χ²/NDF: 28.8/25
Right: -5.006+/-382.473 χ²/NDF: 37.6/33
In: -93.703+/-309.971 χ²/NDF:29.6/28
Out: 446.869+/-319.641 χ²/NDF:35.7/30
All: 168.283+/-222.523 χ²/NDF: 66.8/59

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1265.830+/-0.278 χ^2/NDF:17424.1/12

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1262.731+/-0.270 χ^2/NDF:12846.5/12

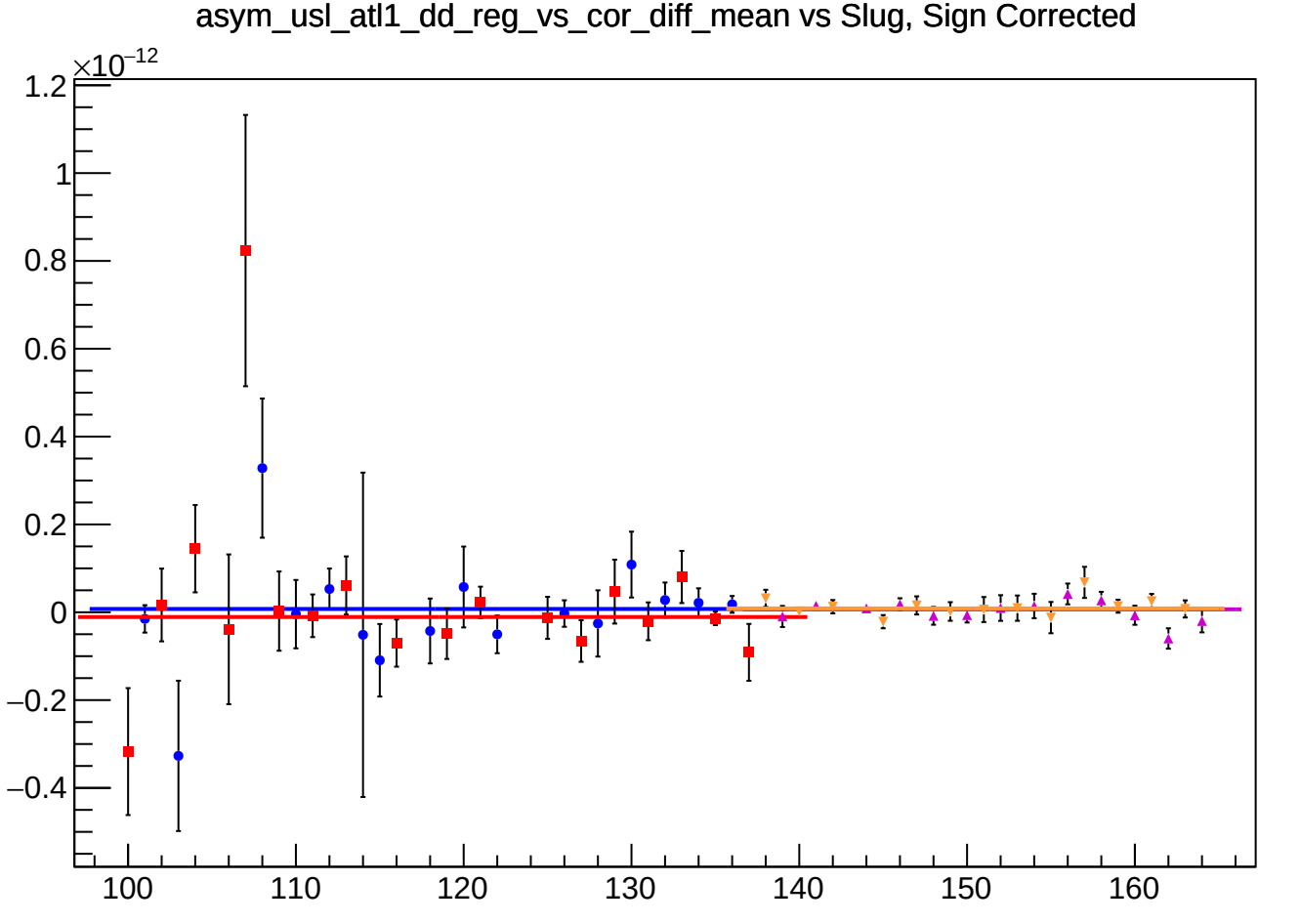
Left: 1264.235+/-0.193 χ^2/NDF: 30334.7/25

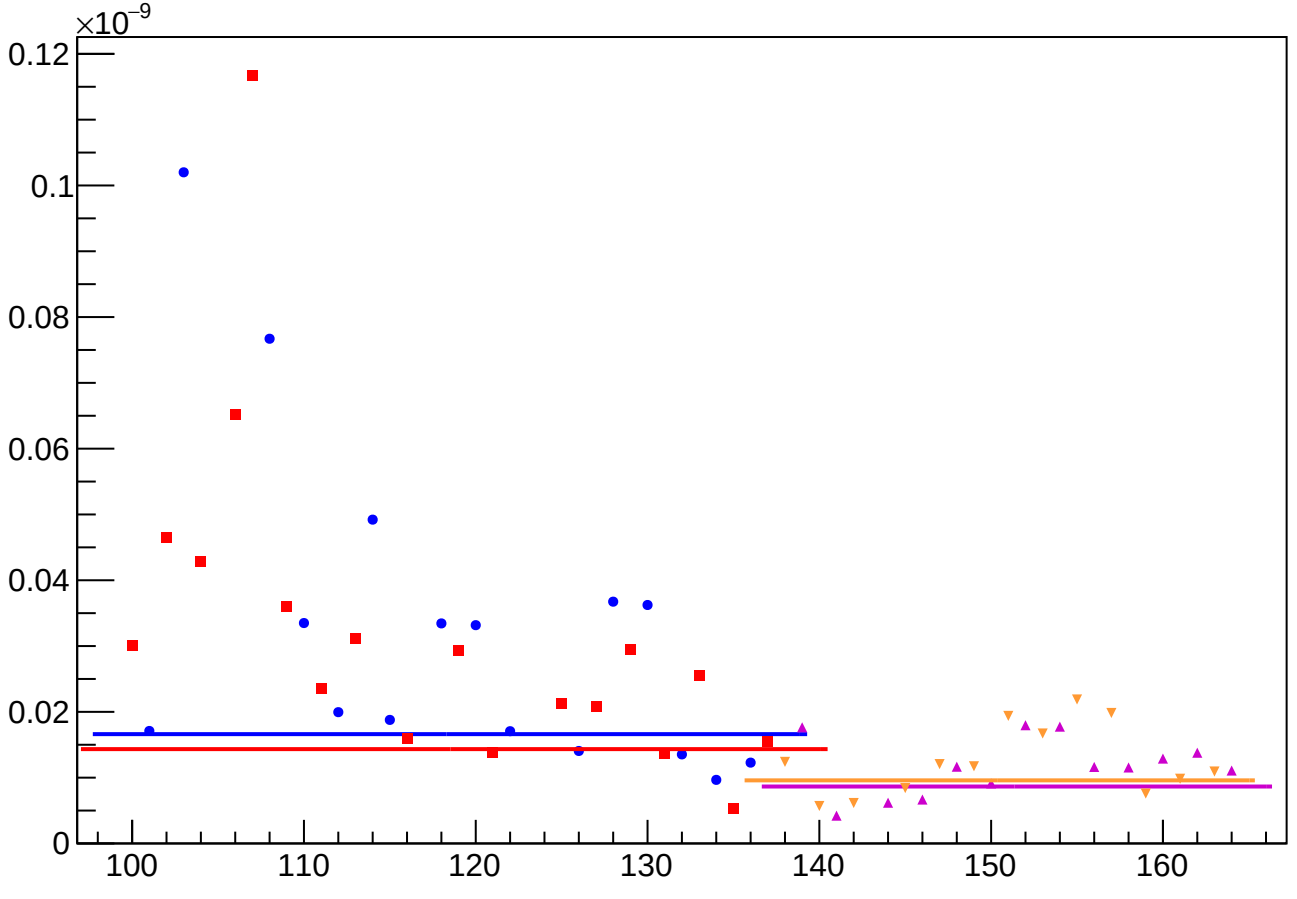
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1306.701+/-0.219 χ^2/NDF:870431.5/28

Out: 1324.699+/-0.226 χ^2/NDF:1005434.7/30

All: 1315.424+/-0.157 χ^2/NDF: 1879134.0/59


asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: 0.000+/-0.000 χ²/NDF:10.3/12
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/17
Left In: 0.000+/-0.000 χ²/NDF:16.1/12
Left: 0.000+/-0.000 χ²/NDF: 26.5/25
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:33.0/28
Out: 0.000+/-0.000 χ²/NDF:37.2/30
All: 0.000+/-0.000 χ²/NDF: 70.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1262664.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1608105.0/12

Left: 0.000+/-0.000 χ^2/NDF: 2907532.3/25

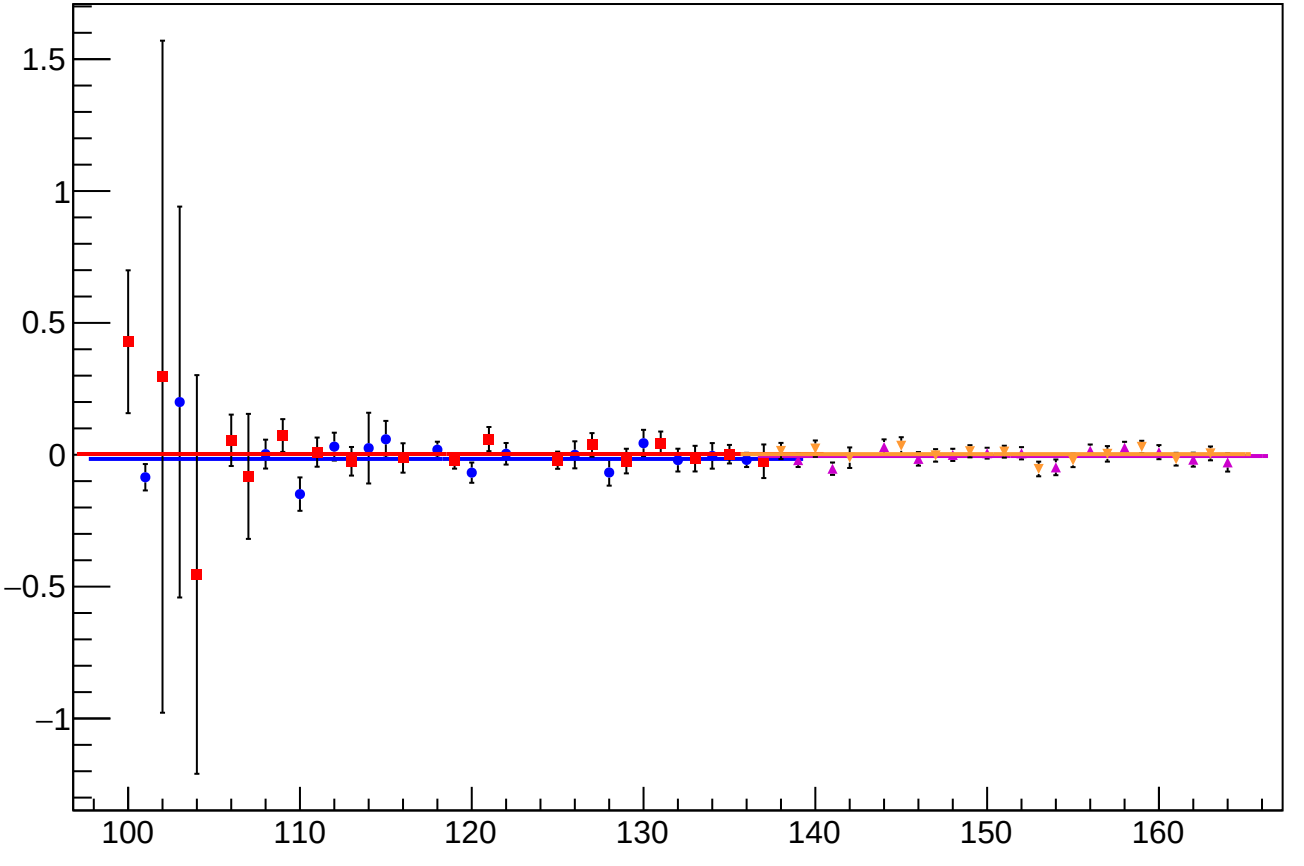
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4085811.9/28

Out: 0.000+/-0.000 χ^2/NDF:3847446.2/30

All: 0.000+/-0.000 χ^2/NDF: 7949657.8/59

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/12

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.005+/-0.007 χ^2/NDF:12.4/12

Left: -0.001+/-0.005 χ^2/NDF: 22.0/25

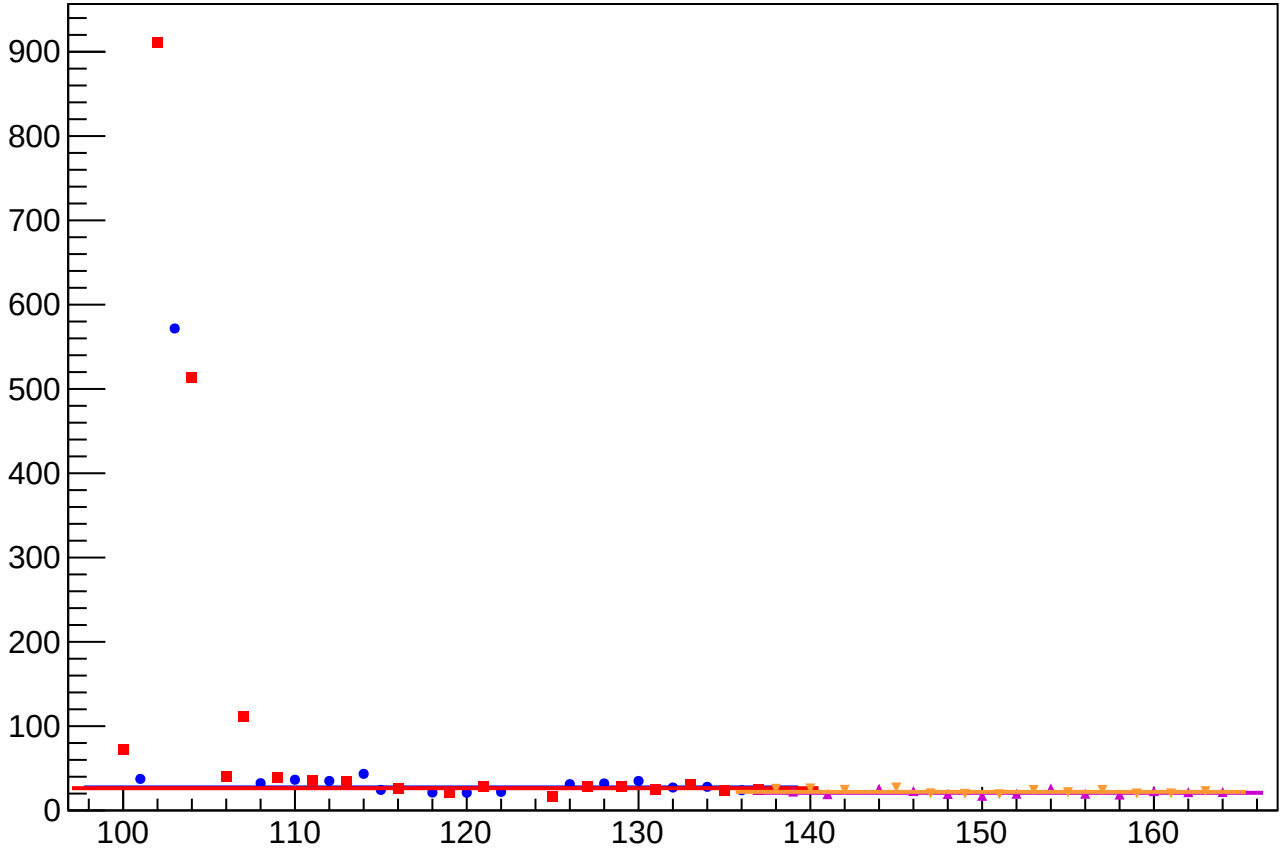
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.008+/-0.006 χ^2/NDF:27.7/28

Out: 0.003+/-0.006 χ^2/NDF:18.9/30

All: -0.003+/-0.004 χ^2/NDF: 48.0/59

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.048+/-0.005 χ^2/NDF:234973.2/12

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250253.7/12

Left: 21.470+/-0.004 χ^2/NDF: 508288.3/25

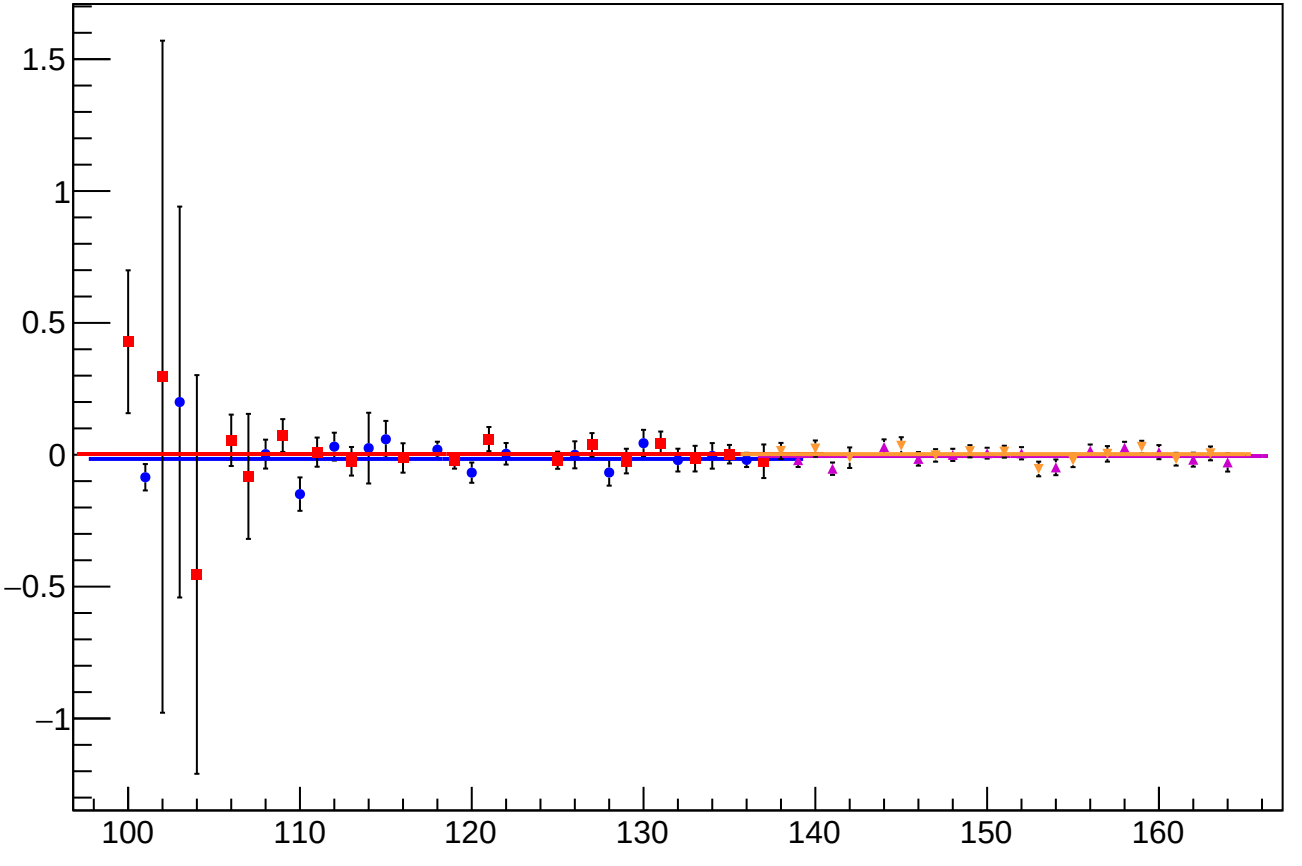
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.650+/-0.004 χ^2/NDF:2260922.7/28

Out: 23.243+/-0.004 χ^2/NDF:3039788.8/30

All: 22.930+/-0.003 χ^2/NDF: 5310052.8/59

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: 0.002+/-0.007 χ^2/NDF:9.1/12

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.005+/-0.007 χ^2/NDF:12.4/12

Left: -0.001+/-0.005 χ^2/NDF: 22.0/25

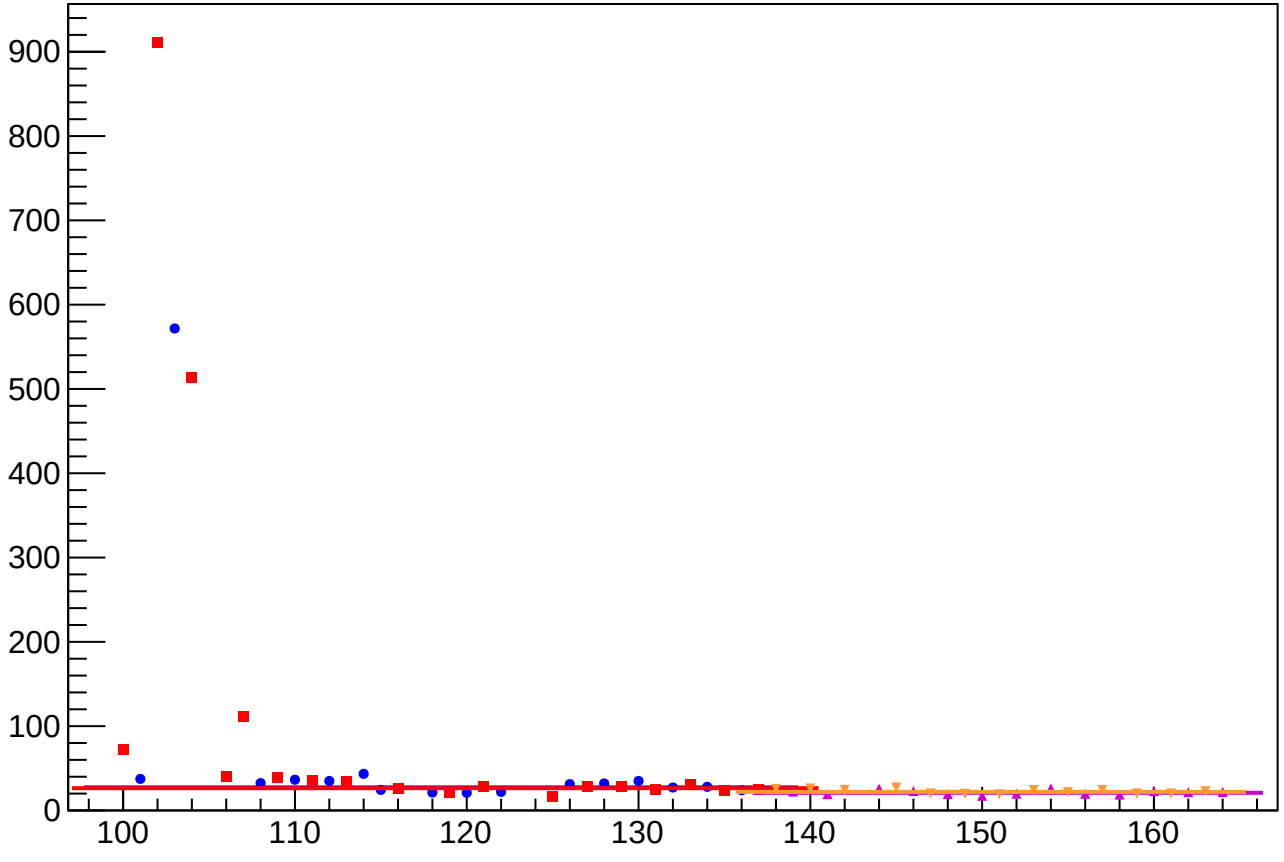
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.008+/-0.006 χ^2/NDF:27.7/28

Out: 0.003+/-0.006 χ^2/NDF:18.9/30

All: -0.003+/-0.004 χ^2/NDF: 48.0/59

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: 22.048+/-0.005 χ^2/NDF:234973.2/12

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250253.7/12

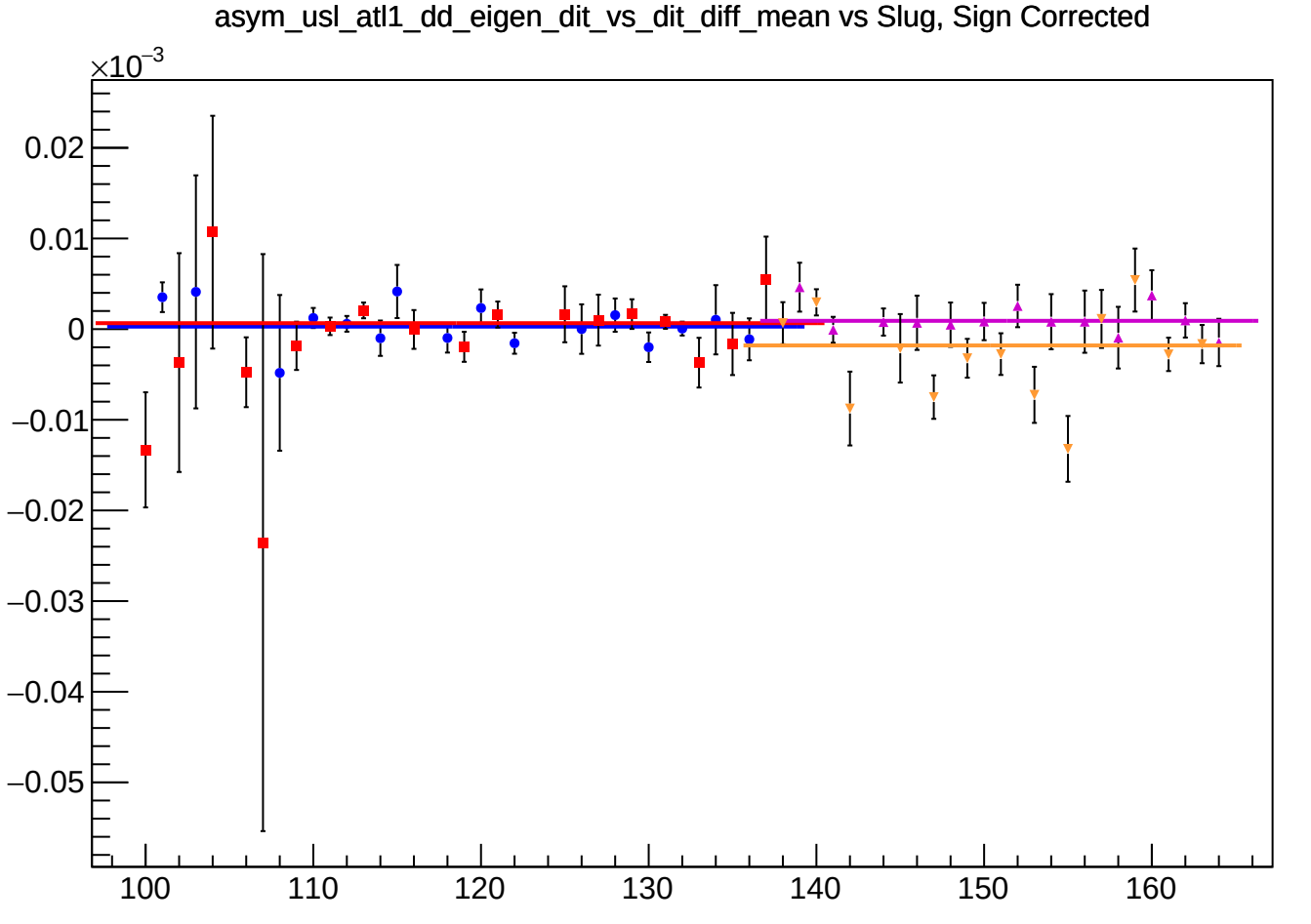
Left: 21.470+/-0.004 χ^2/NDF: 508288.3/25

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

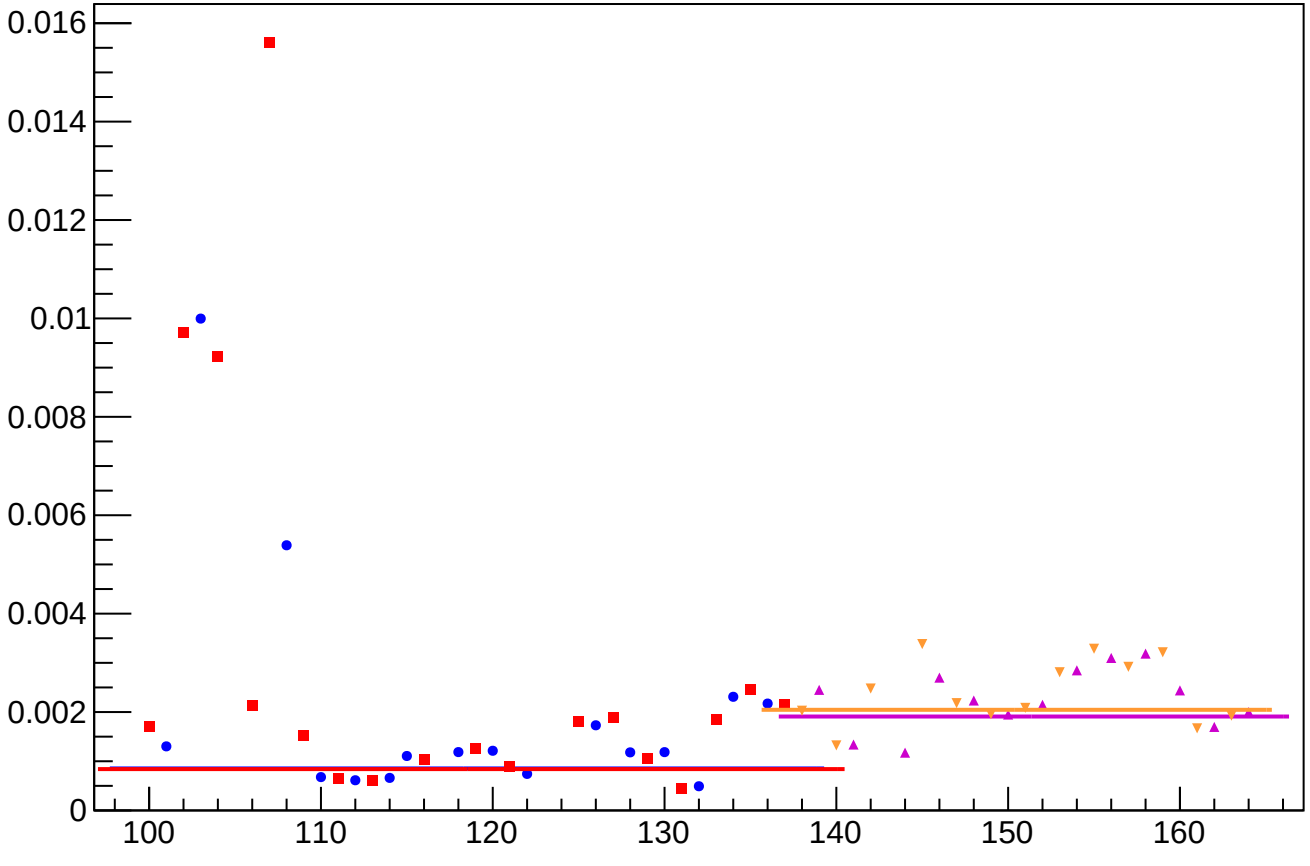
In: 22.650+/-0.004 χ^2/NDF:2260922.7/28

Out: 23.243+/-0.004 χ^2/NDF:3039788.8/30

All: 22.930+/-0.003 χ^2/NDF: 5310052.8/59


asym_usl_atl1_dd_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
−0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: -0.000+/-0.000 χ²/NDF:39.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 19.3/17
Left In: 0.000+/-0.000 χ²/NDF:5.1/12
Left: -0.000+/-0.000 χ²/NDF: 53.5/25
Right: 0.000+/-0.000 χ²/NDF: 34.2/33
In: 0.000+/-0.000 χ²/NDF:20.3/28
Out: 0.000+/-0.000 χ²/NDF:68.8/30
All: 0.000+/-0.000 χ²/NDF: 90.0/59

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:1604888.5/12

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1889381.9/12

Left: 0.002+/-0.000 χ^2/NDF: 3539217.1/25

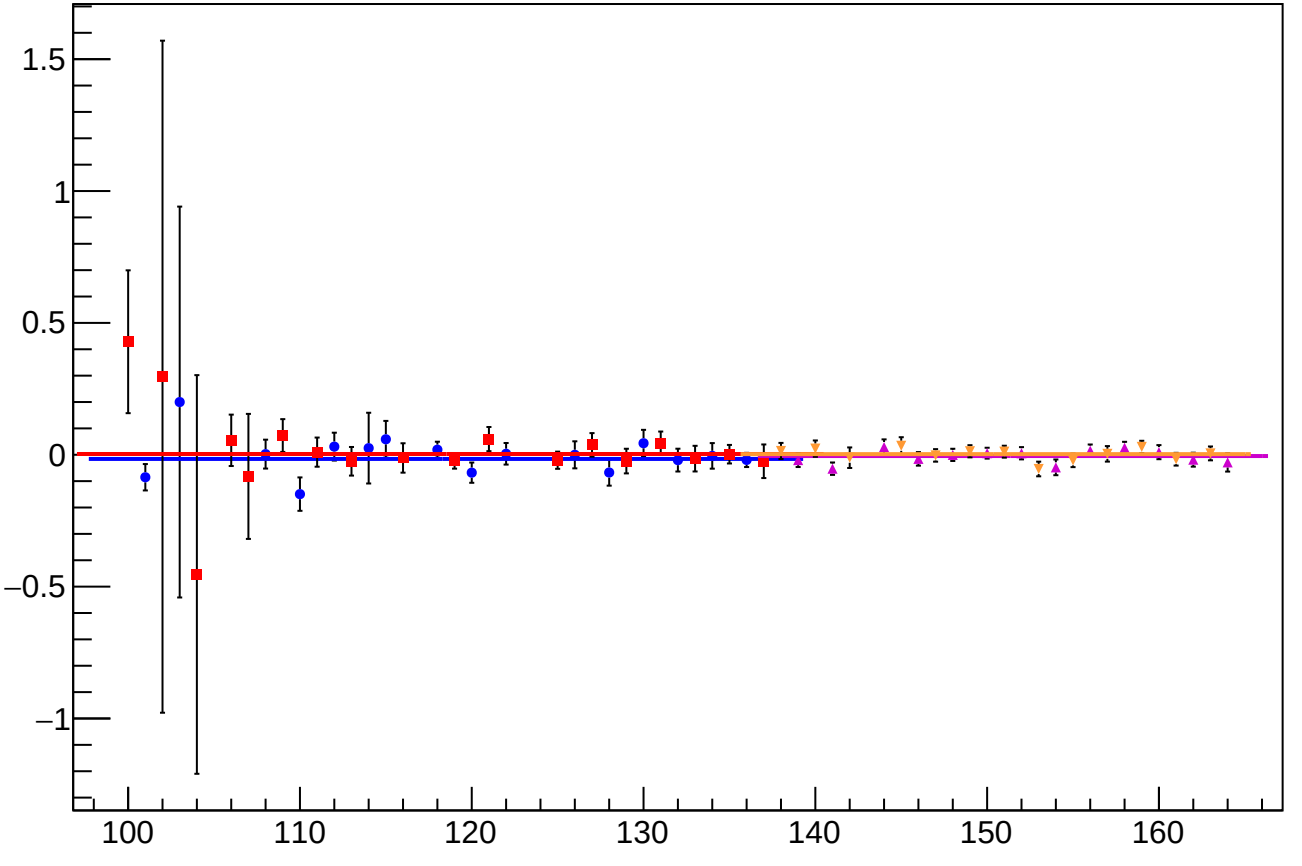
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:9994546.6/28

Out: 0.001+/-0.000 χ^2/NDF:11464209.3/30

All: 0.001+/-0.000 χ^2/NDF: 21462888.6/59

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: 0.002+/-0.007 χ^2/NDF:9.1/12

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.005+/-0.007 χ^2/NDF:12.4/12

Left: -0.001+/-0.005 χ^2/NDF: 22.0/25

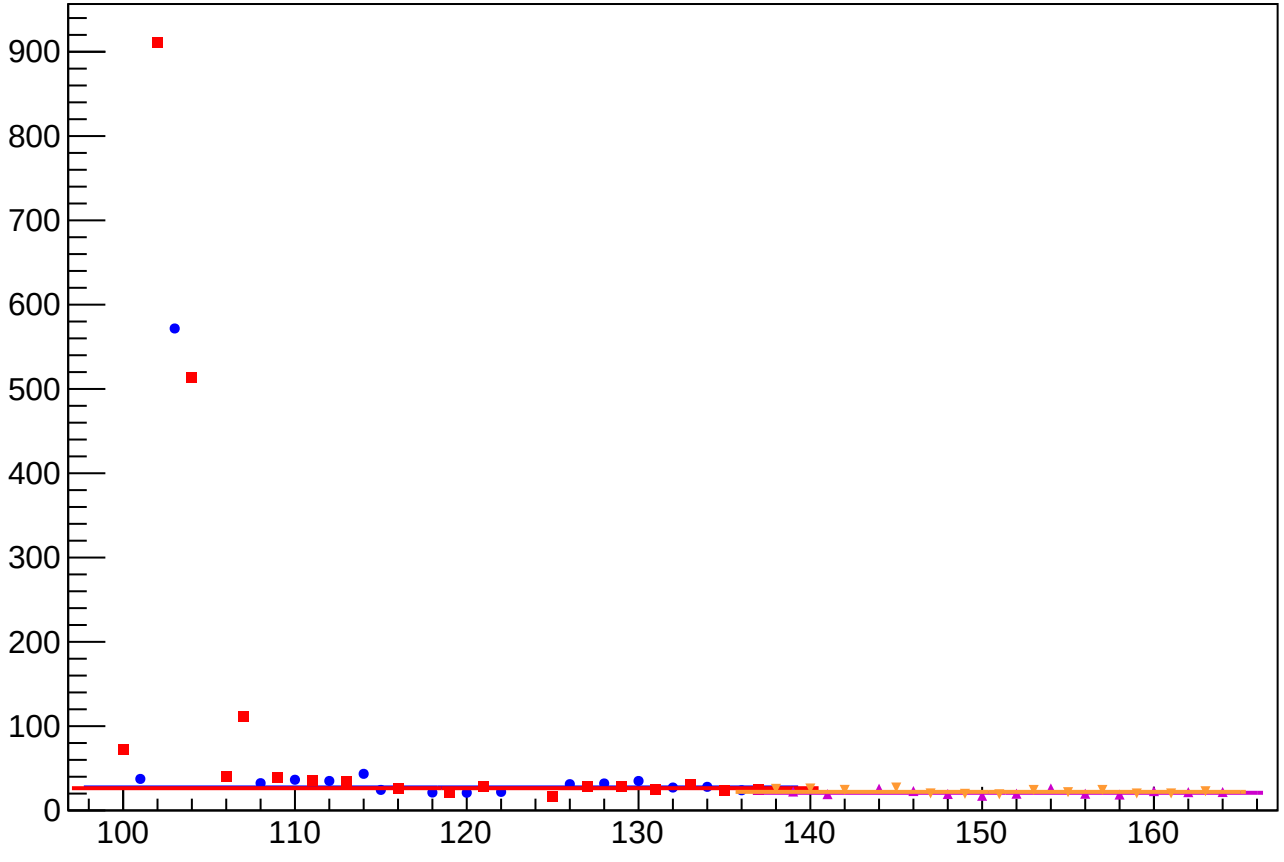
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.008+/-0.006 χ^2/NDF:27.7/28

Out: 0.003+/-0.006 χ^2/NDF:18.9/30

All: -0.003+/-0.004 χ^2/NDF: 48.0/59

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: 22.048+/-0.005 χ^2/NDF:234942.5/12

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250270.9/12

Left: 21.470+/-0.004 χ^2/NDF: 508272.9/25

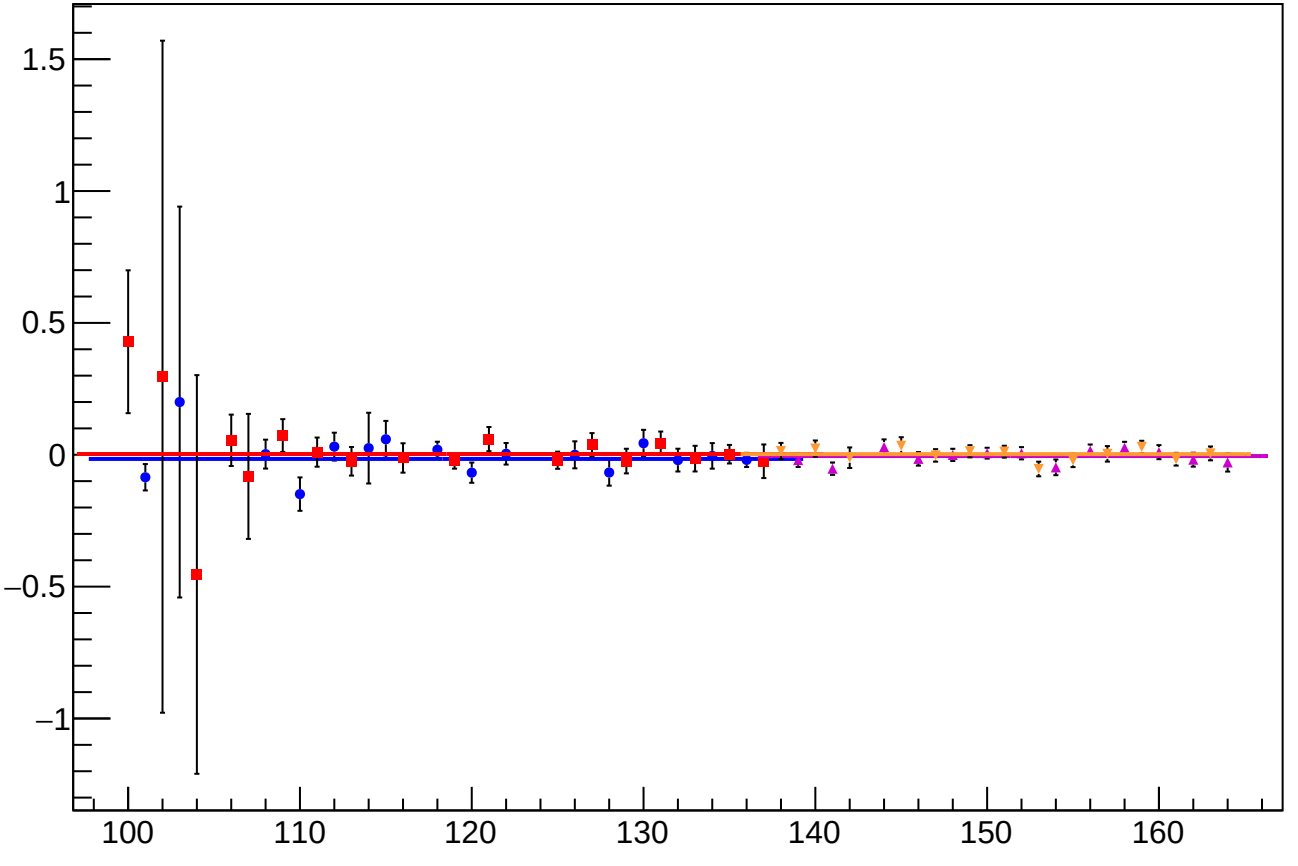
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.650+/-0.004 χ^2/NDF:2260937.0/28

Out: 23.243+/-0.004 χ^2/NDF:3039781.2/30

All: 22.930+/-0.003 χ^2/NDF: 5310058.6/59

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: 0.002+/-0.007 χ^2/NDF:9.1/12

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.005+/-0.007 χ^2/NDF:12.4/12

Left: -0.001+/-0.005 χ^2/NDF: 22.0/25

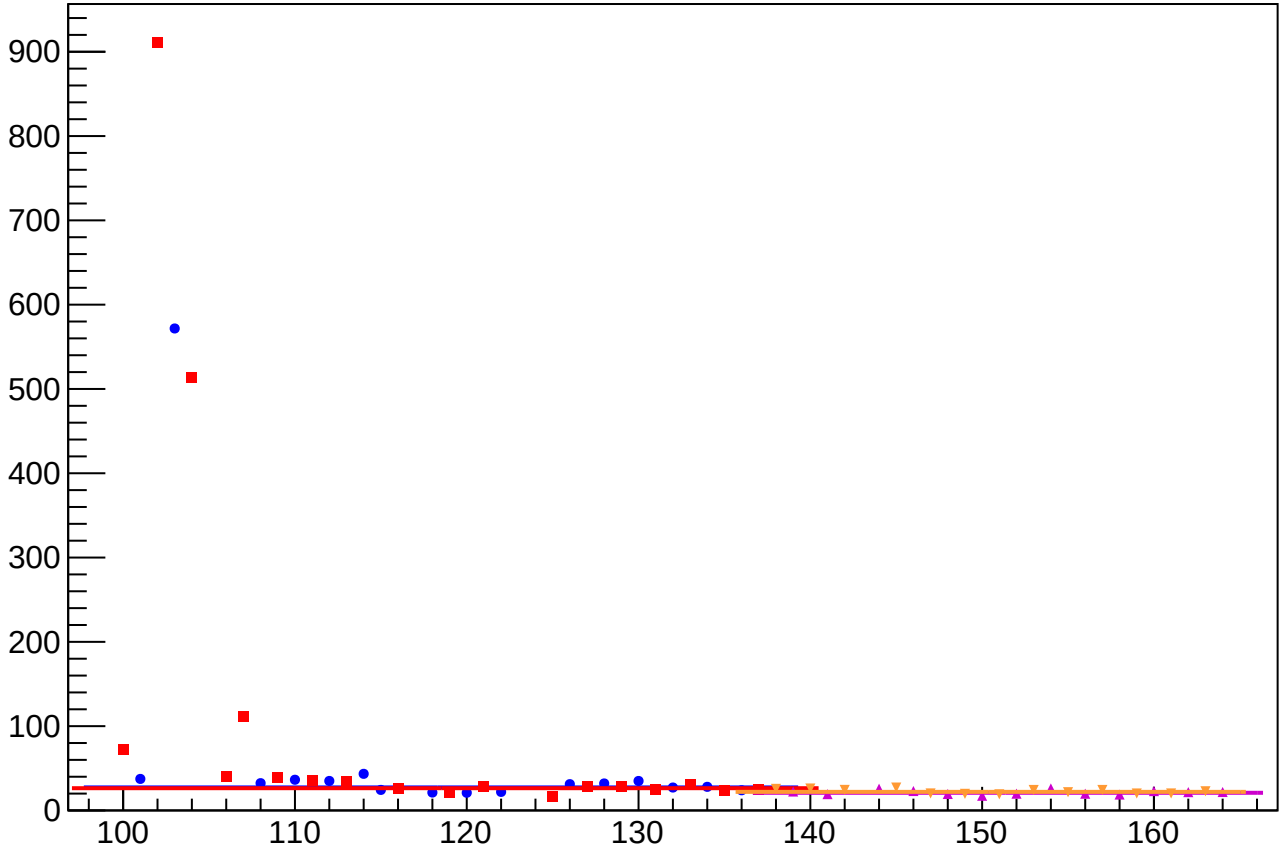
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.008+/-0.006 χ^2/NDF:27.7/28

Out: 0.003+/-0.006 χ^2/NDF:18.9/30

All: -0.003+/-0.004 χ^2/NDF: 48.0/59

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: 22.048+/-0.005 χ^2/NDF:234942.5/12

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.957+/-0.005 χ^2/NDF:250270.9/12

Left: 21.470+/-0.004 χ^2/NDF: 508272.9/25

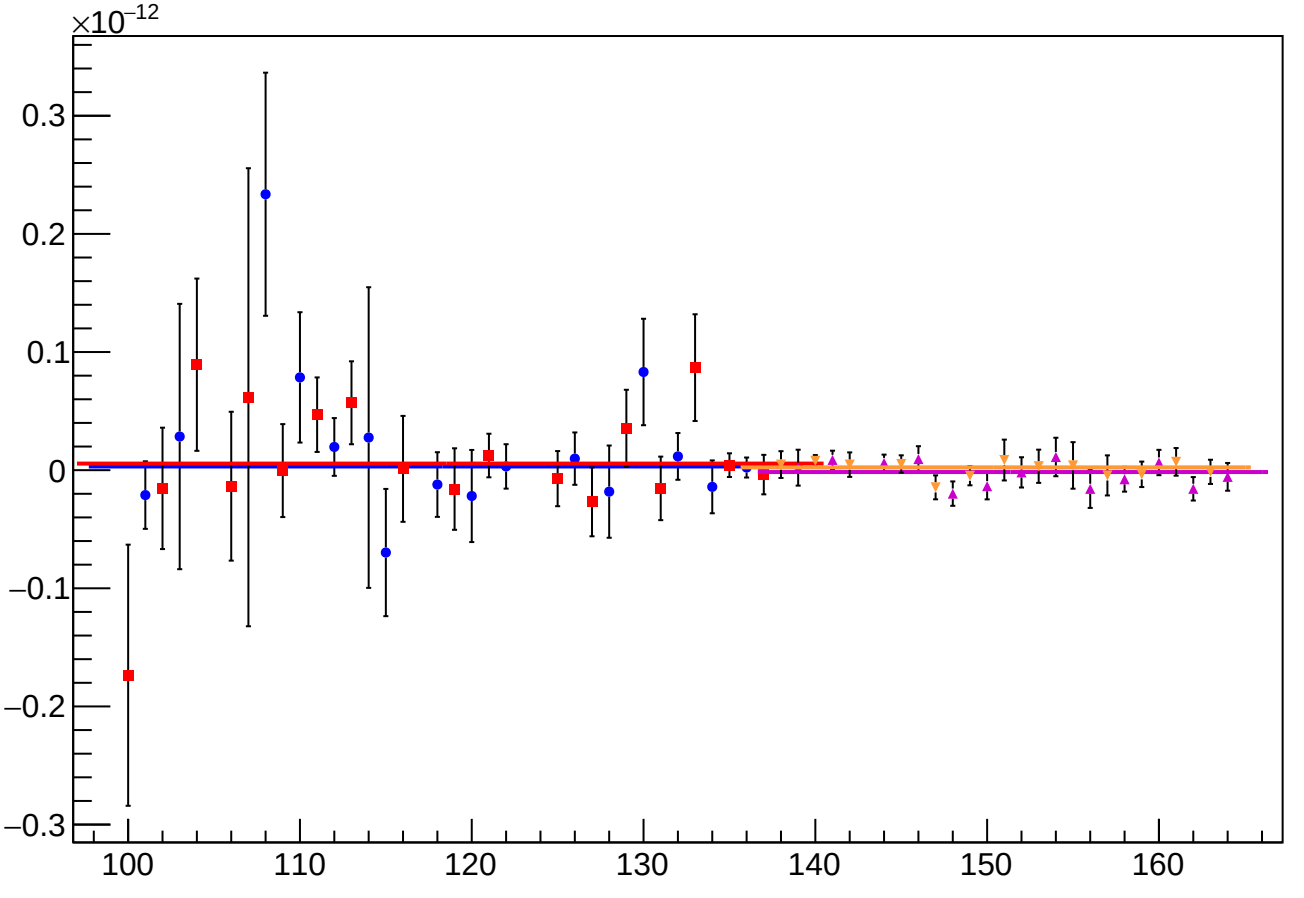
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.650+/-0.004 χ^2/NDF:2260937.0/28

Out: 23.243+/-0.004 χ^2/NDF:3039781.2/30

All: 22.930+/-0.003 χ^2/NDF: 5310058.6/59

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:12.7/12

Left: 0.000+/-0.000 χ^2/NDF: 19.7/25

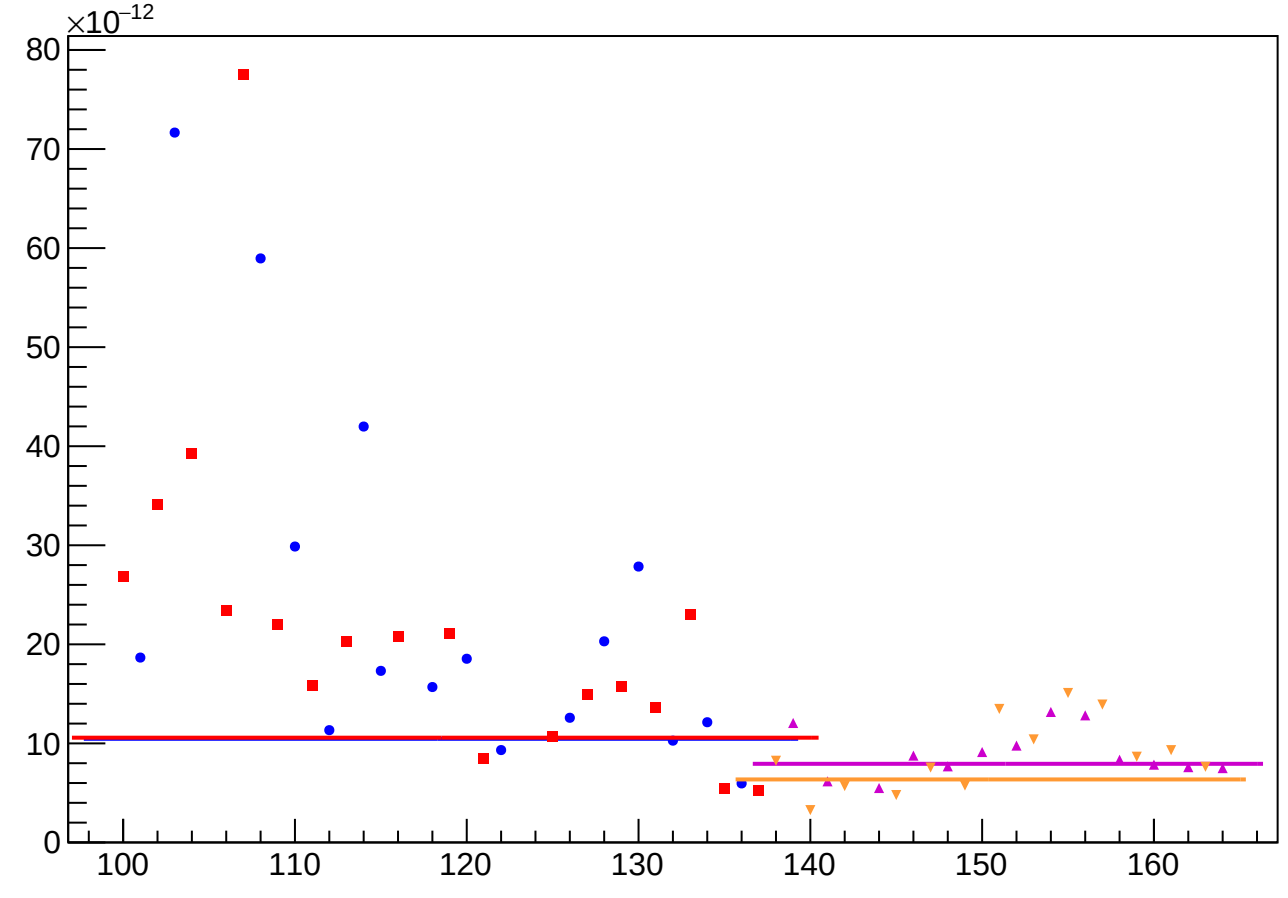
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: -0.000+/-0.000 χ^2/NDF:28.3/28

Out: 0.000+/-0.000 χ^2/NDF:21.4/30

All: 0.000+/-0.000 χ^2/NDF: 50.7/59

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:2531268.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:963841.2/12

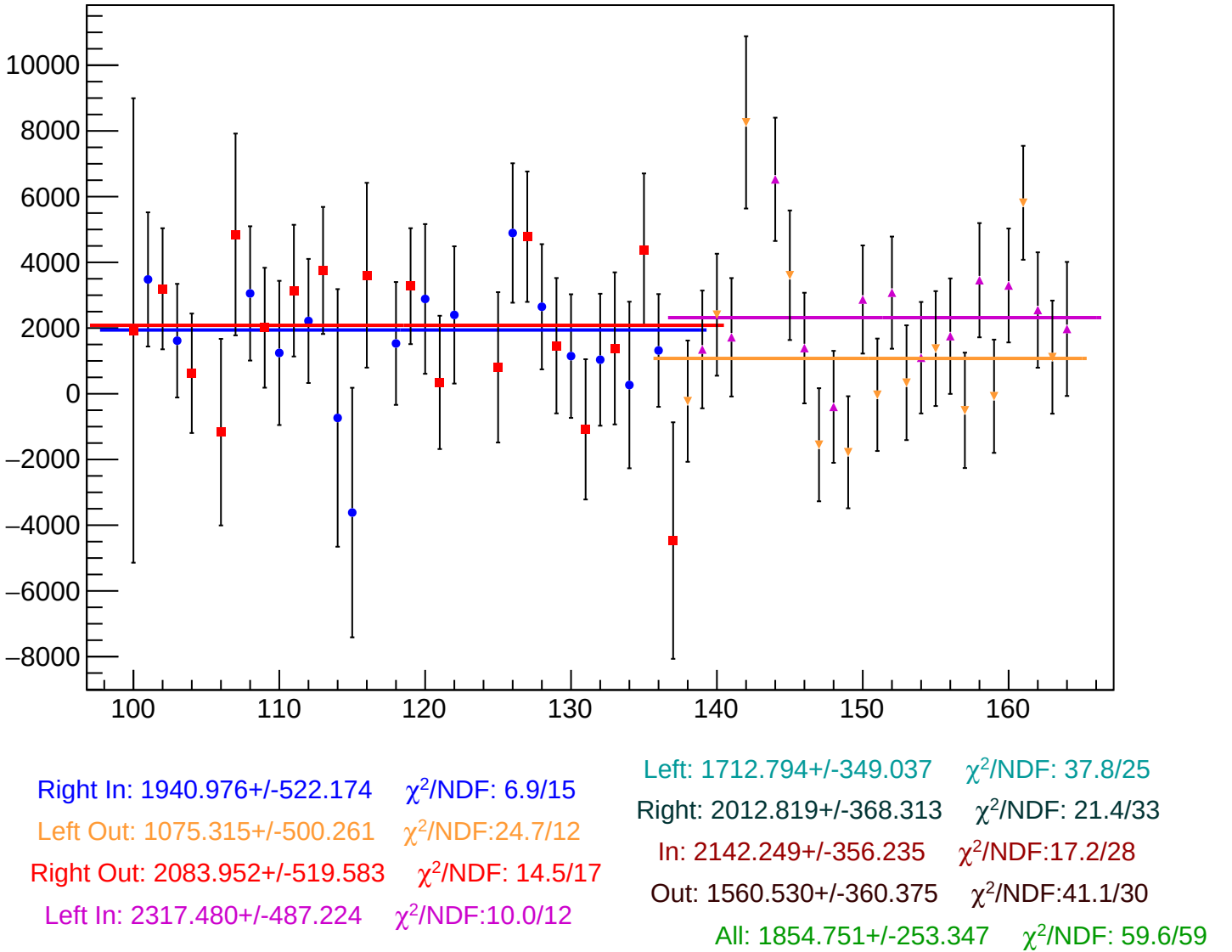
Left: 0.000+/-0.000 χ^2/NDF: 3811725.4/25

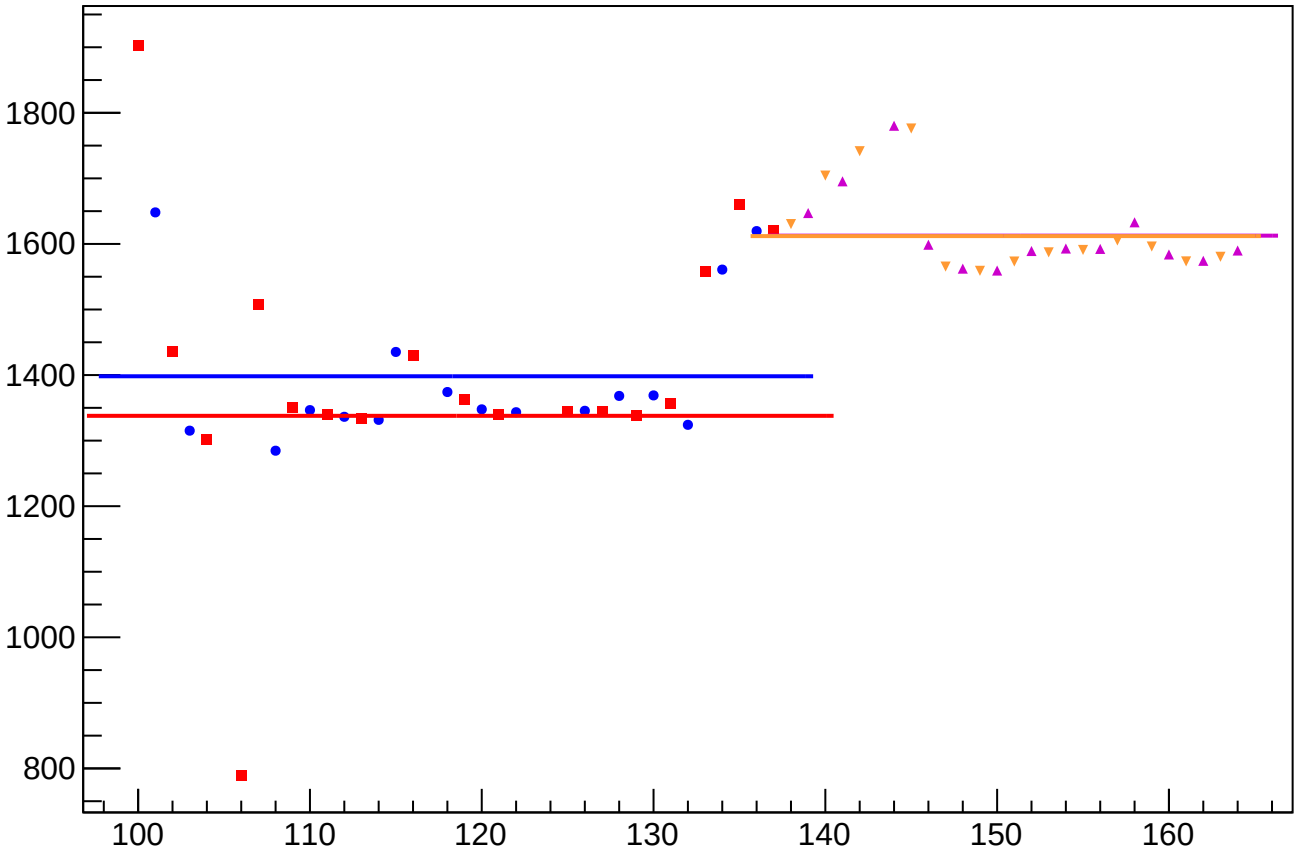
Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:4065362.6/28

Out: 0.000+/-0.000 χ^2/NDF:6108374.6/30

All: 0.000+/-0.000 χ^2/NDF: 10492867.6/59


reg_asym_usl_atl2_avg_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 1940.976+/-522.174 χ²/NDF: 6.9/15
Left Out: 1075.315+/-500.261 χ²/NDF:24.7/12
Right Out: 2083.952+/-519.583 χ²/NDF: 14.5/17
Left In: 2317.480+/-487.224 χ²/NDF:10.0/12
Left: 1712.794+/-349.037 χ²/NDF: 37.8/25
Right: 2012.819+/-368.313 χ²/NDF: 21.4/33
In: 2142.249+/-356.235 χ²/NDF:17.2/28
Out: 1560.530+/-360.375 χ²/NDF:41.1/30
All: 1854.751+/-253.347 χ²/NDF: 59.6/59



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1611.959+/-0.354 χ^2/NDF:30854.8/12

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1612.633+/-0.345 χ^2/NDF:27837.5/12

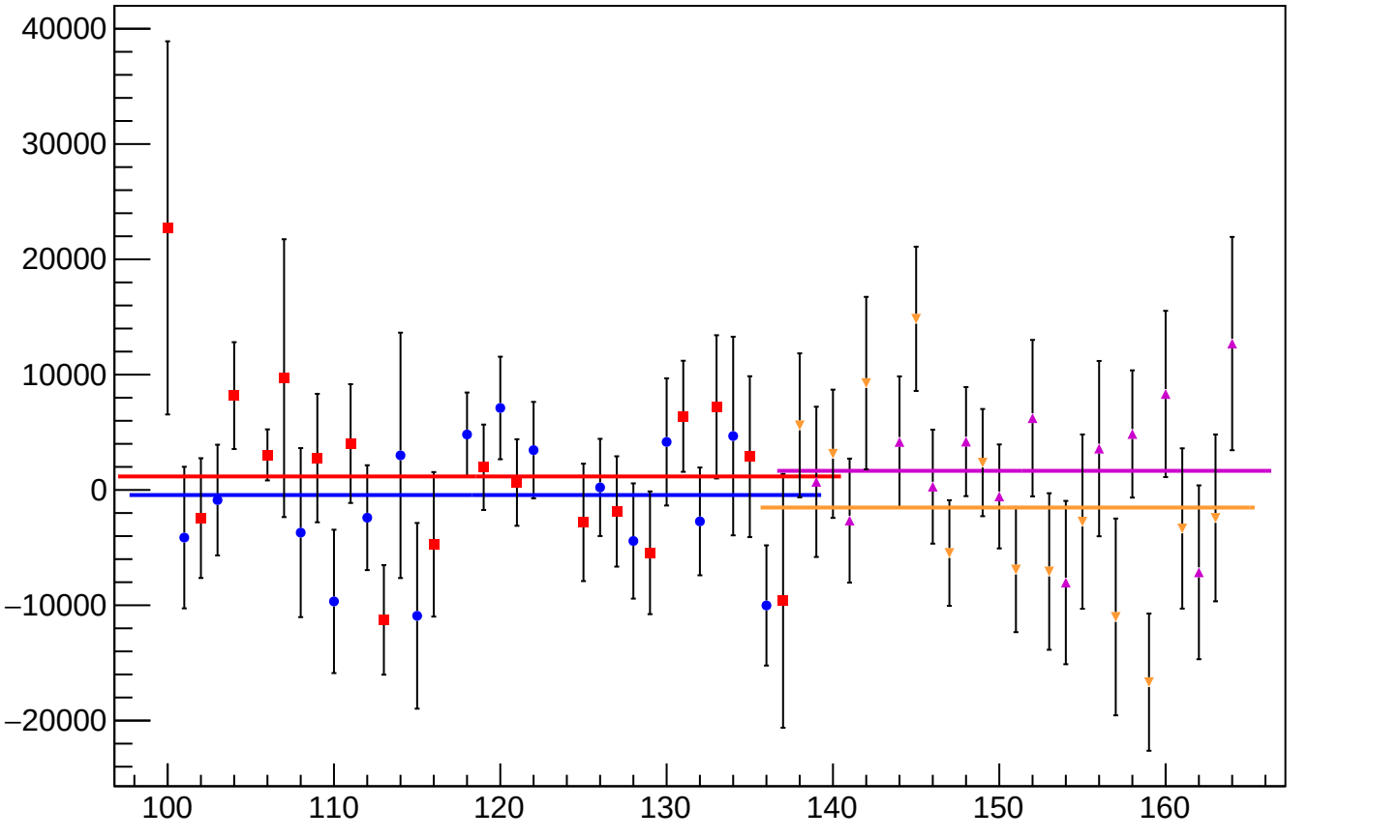
Left: 1612.305+/-0.247 χ^2/NDF: 58694.1/25

Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

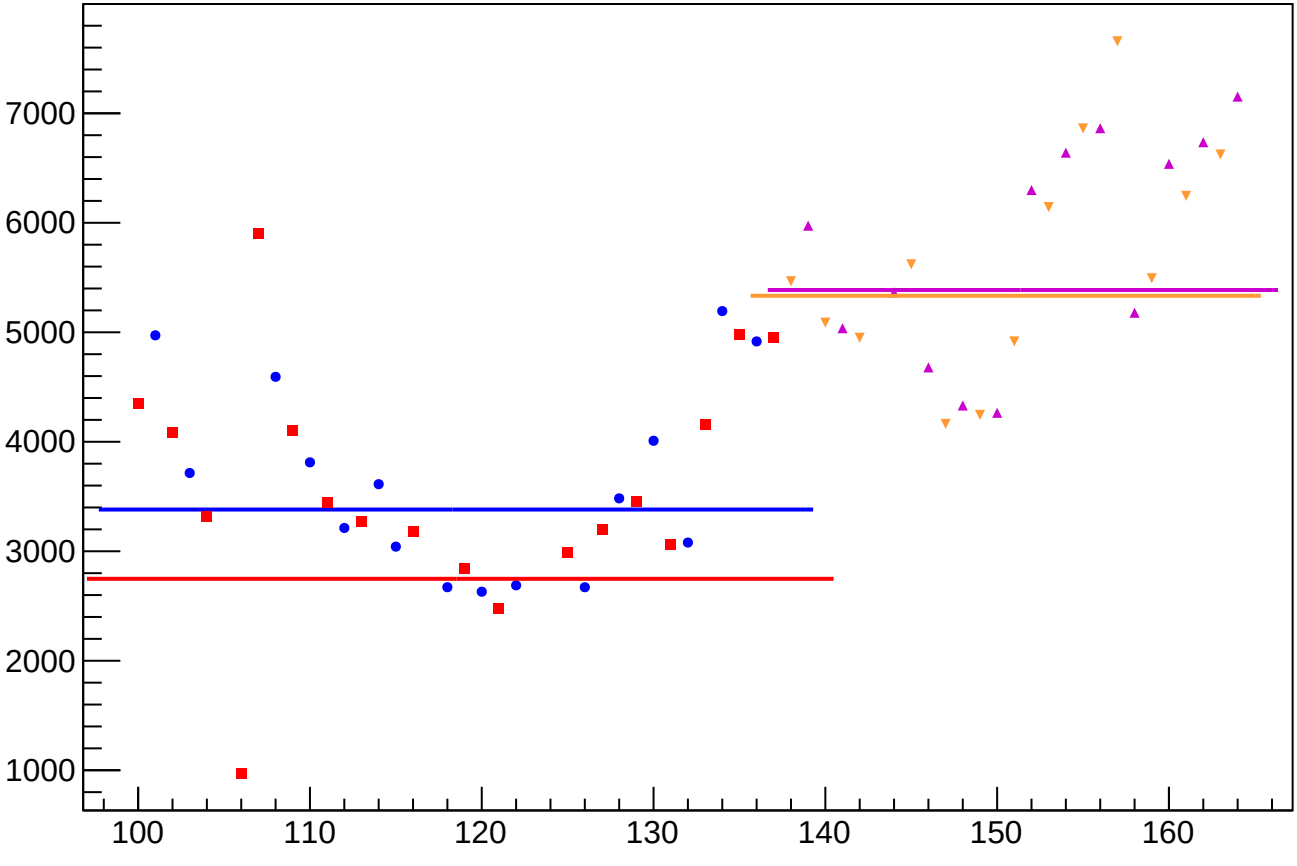
In: 1512.814+/-0.252 χ^2/NDF:302127.4/28

Out: 1475.727+/-0.251 χ^2/NDF:647080.2/30

All: 1494.197+/-0.178 χ^2/NDF: 960089.2/59


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -441.138+/-1295.916 χ²/NDF: 15.9/15
Left Out: -1525.199+/-1689.633 χ²/NDF:21.9/12
Right Out: 1171.548+/-1119.890 χ²/NDF: 19.7/17
Left In: 1659.168+/-1656.846 χ²/NDF:7.8/12
Left: 98.180+/-1182.989 χ²/NDF: 31.5/25
Right: 482.092+/-847.335 χ²/NDF: 36.5/33
In: 356.064+/-1020.764 χ²/NDF:24.7/28
Out: 348.447+/-933.467 χ²/NDF:43.3/30
All: 351.916+/-688.859 χ²/NDF: 68.0/59

asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5333.533+/-1.195 χ^2/NDF:624168.8/12

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5386.174+/-1.172 χ^2/NDF:654312.8/12

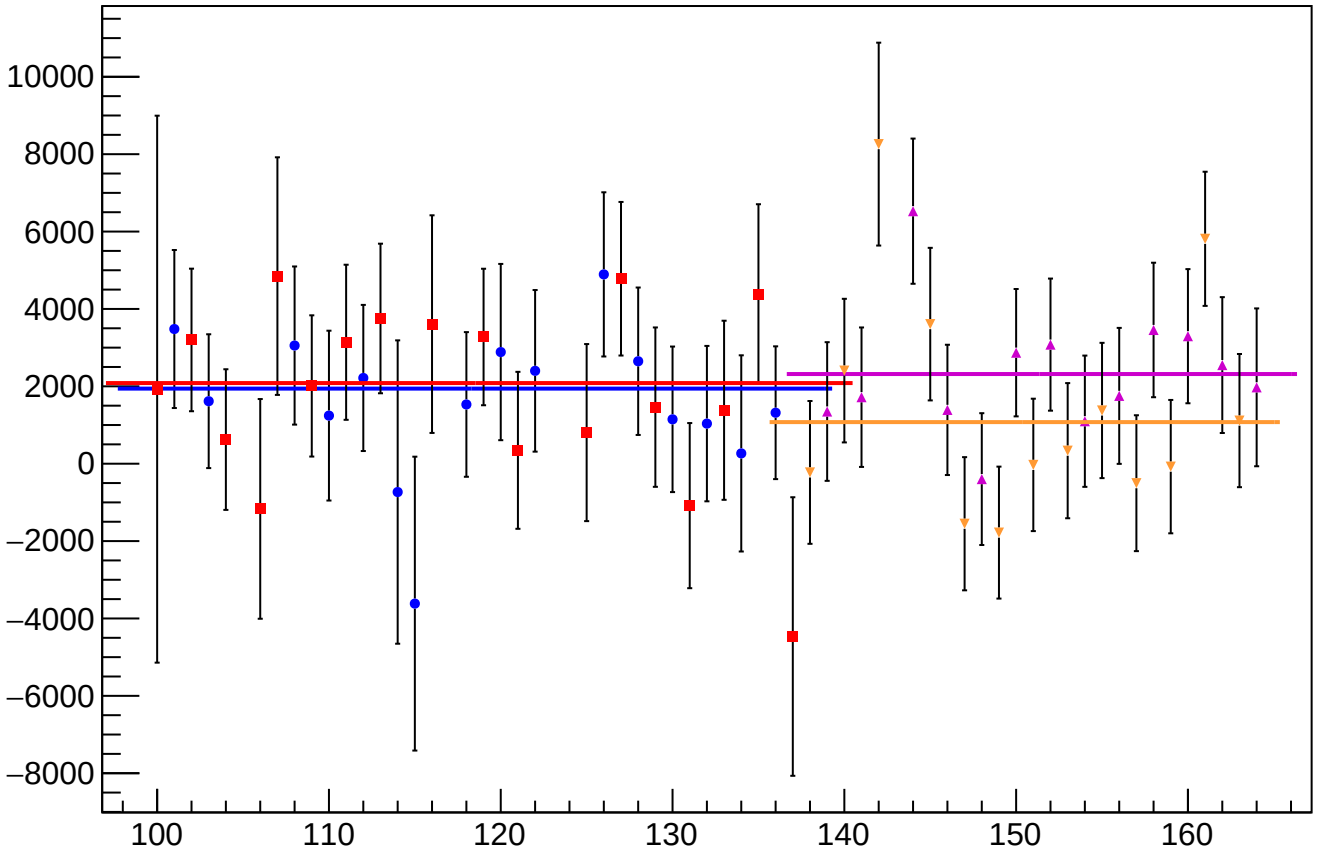
Left: 5360.369+/-0.836 χ^2/NDF: 1279471.3/25

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4142.166+/-0.722 χ^2/NDF:3228711.7/28

Out: 3537.415+/-0.660 χ^2/NDF:6141610.7/30

All: 3812.830+/-0.487 χ^2/NDF: 9752614.8/59



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1075.372+/-500.261 χ^2/NDF:24.7/12

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2317.602+/-487.224 χ^2/NDF:10.0/12

Left: 1712.884+/-349.037 χ^2/NDF: 37.8/25

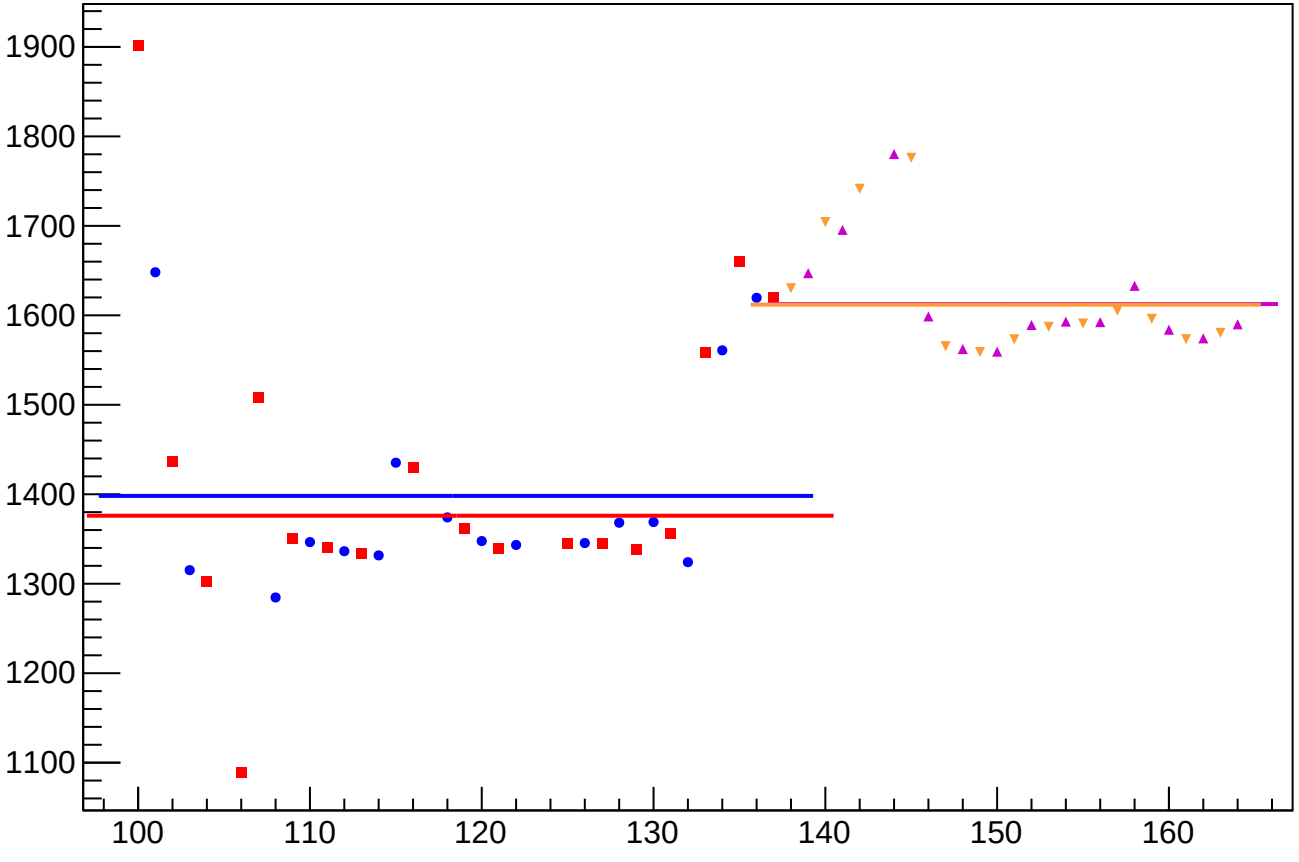
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2142.340+/-356.235 χ^2/NDF:17.2/28

Out: 1560.660+/-360.376 χ^2/NDF:41.1/30

All: 1854.861+/-253.348 χ^2/NDF: 59.6/59

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1611.959+/-0.354 χ^2/NDF:30854.8/12

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1612.633+/-0.345 χ^2/NDF:27837.5/12

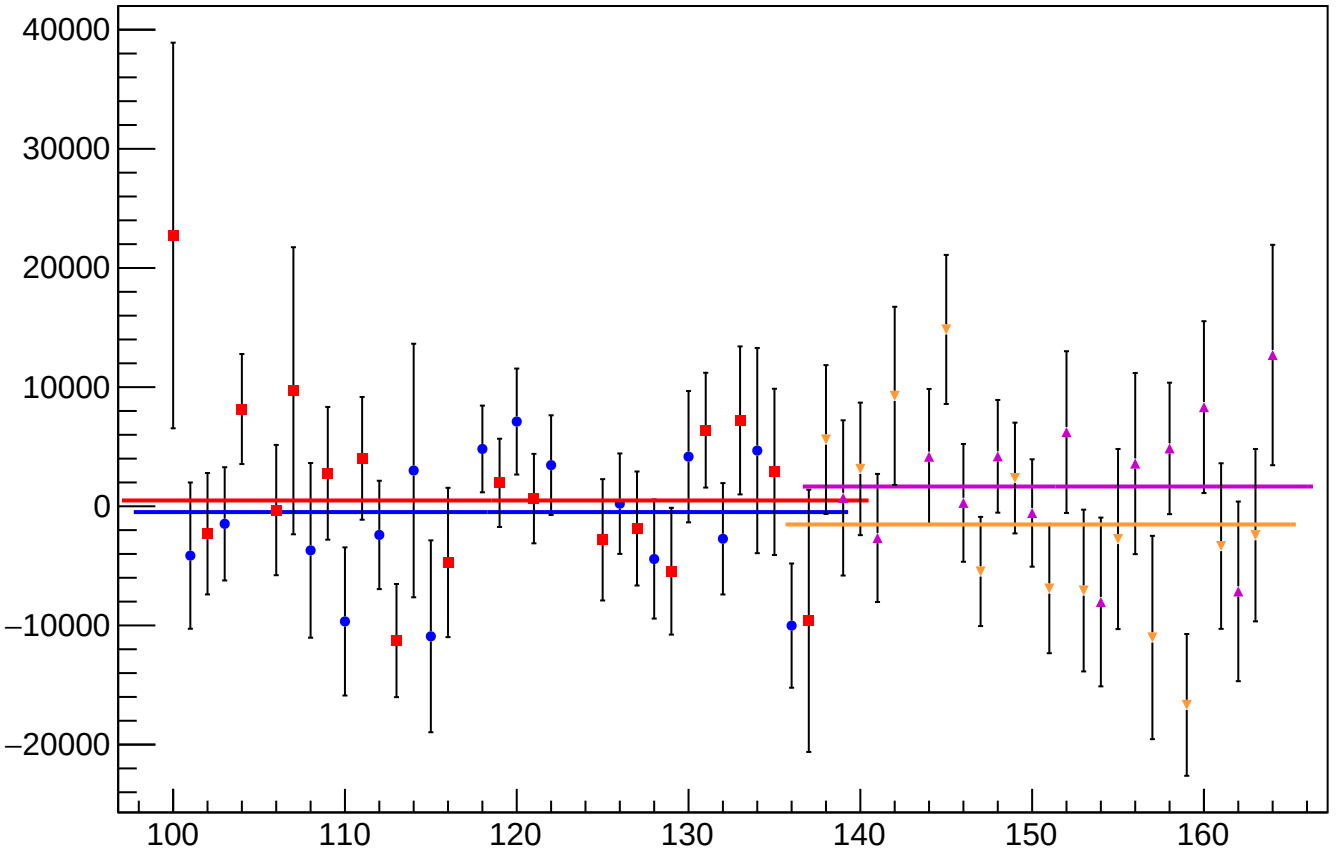
Left: 1612.305+/-0.247 χ^2/NDF: 58694.1/25

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1512.814+/-0.252 χ^2/NDF:302127.6/28

Out: 1496.883+/-0.253 χ^2/NDF:361869.6/30

All: 1504.889+/-0.179 χ^2/NDF: 665986.9/59



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1525.234+/-1689.633 χ^2/NDF:21.9/12

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1659.285+/-1656.845 χ^2/NDF:7.8/12

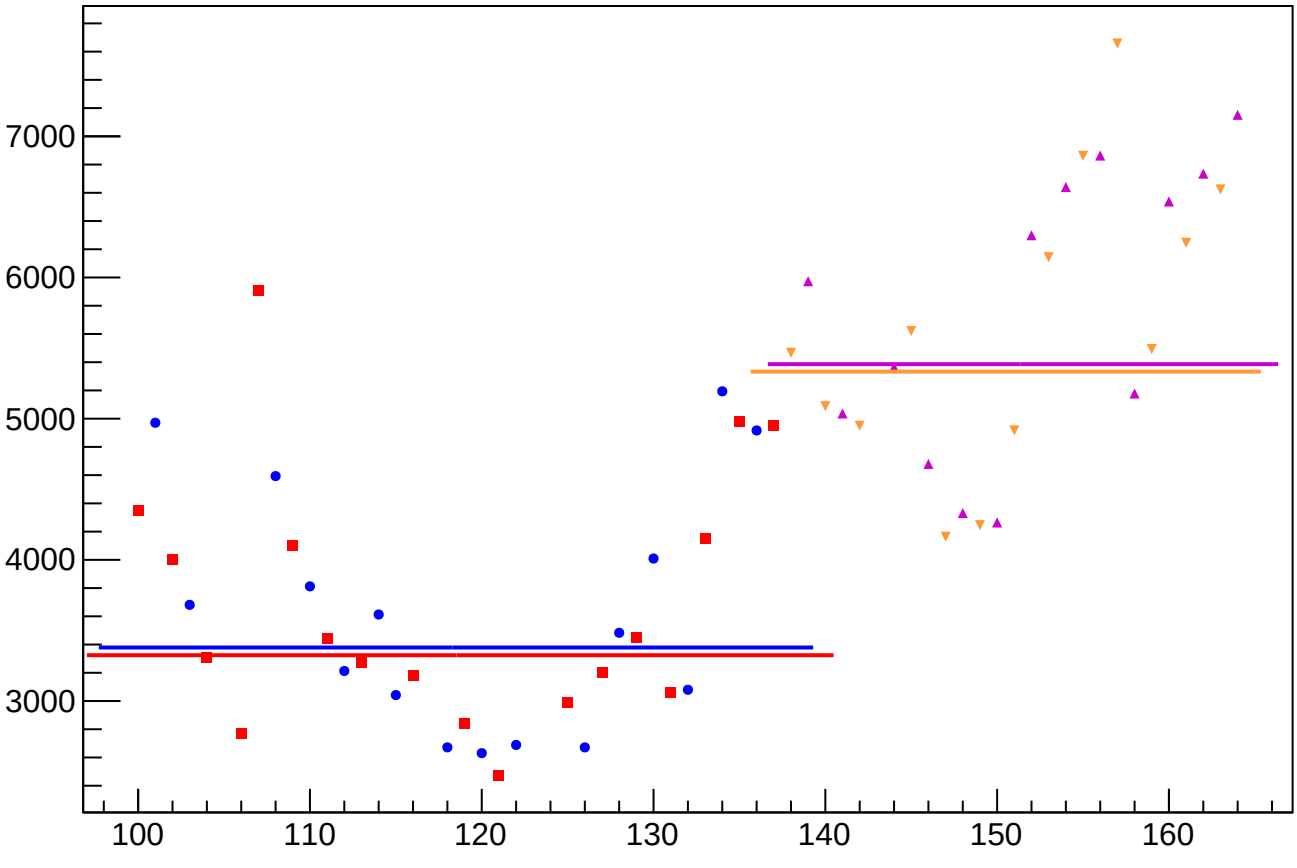
Left: 98.224+/-1182.989 χ^2/NDF: 31.5/25

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 327.157+/-1020.281 χ^2/NDF:24.8/28

Out: -232.052+/-1010.747 χ^2/NDF:41.5/30

All: 44.927+/-718.053 χ^2/NDF: 66.5/59



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5333.535+/-1.195 χ^2/NDF:624166.7/12

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5386.170+/-1.172 χ^2/NDF:654321.1/12

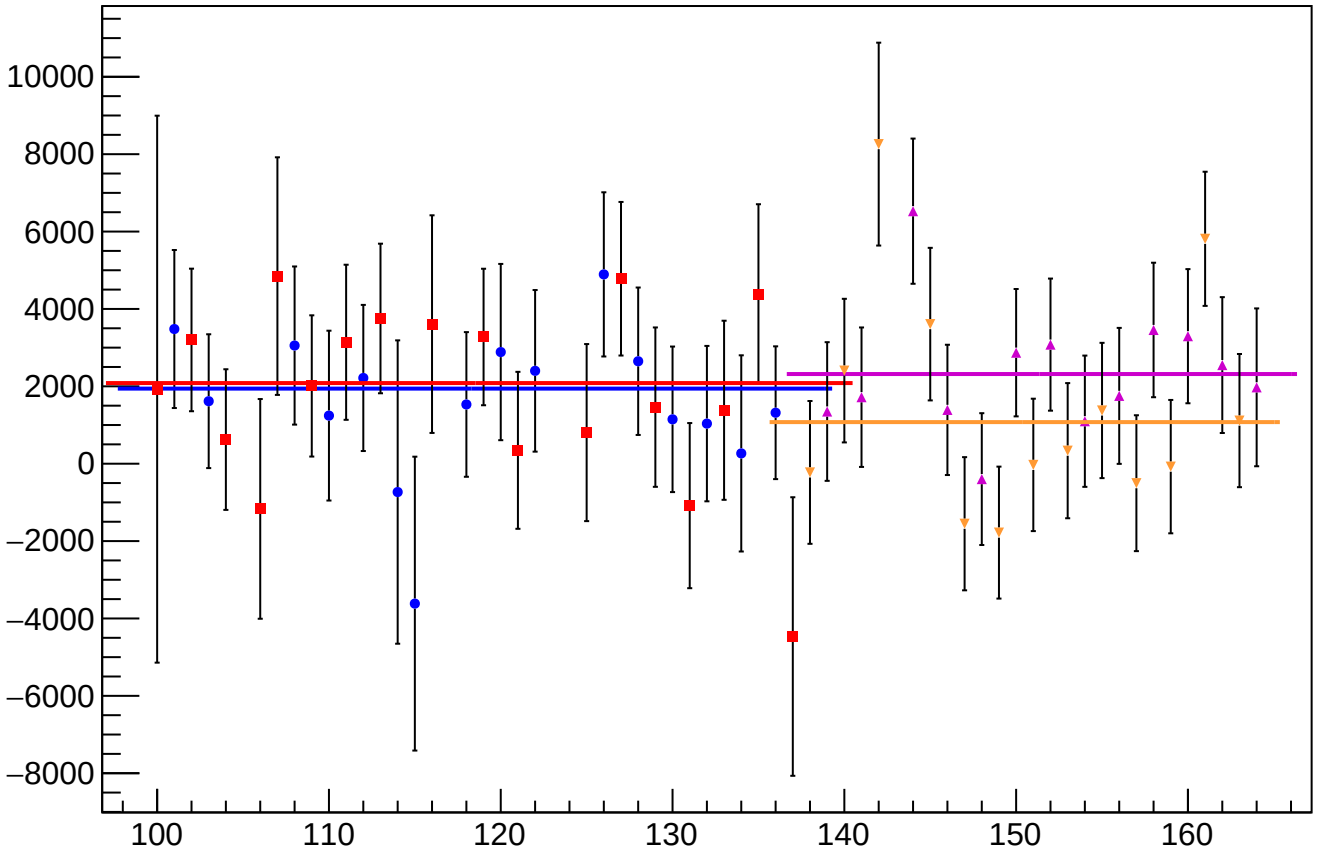
Left: 5360.368+/-0.836 χ^2/NDF: 1279477.2/25

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4140.200+/-0.721 χ^2/NDF:3231598.6/28

Out: 4043.398+/-0.715 χ^2/NDF:2983827.2/30

All: 4091.345+/-0.508 χ^2/NDF: 6224512.2/59



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1075.372+/-500.261 χ^2/NDF:24.7/12

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2317.602+/-487.224 χ^2/NDF:10.0/12

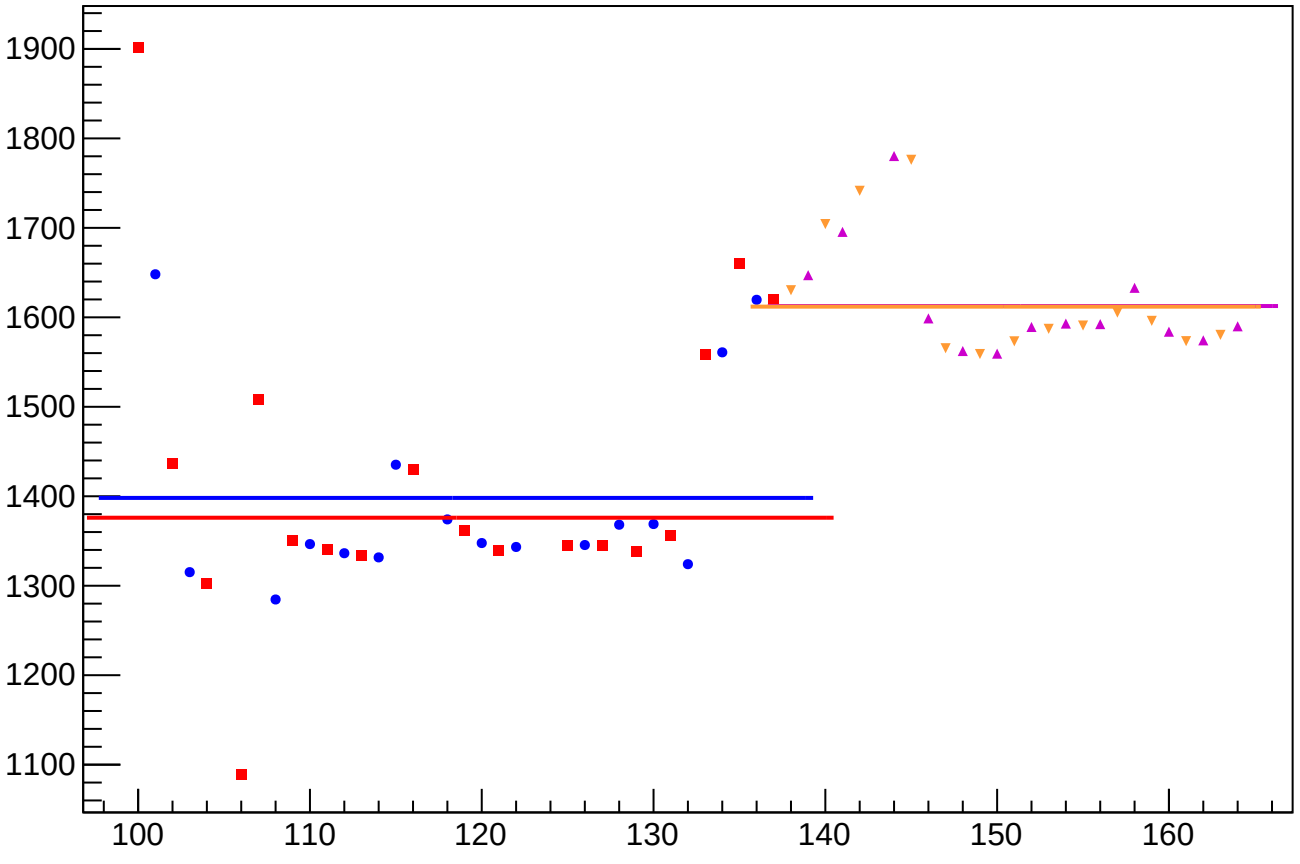
Left: 1712.884+/-349.037 χ^2/NDF: 37.8/25

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2142.340+/-356.235 χ^2/NDF:17.2/28

Out: 1560.660+/-360.376 χ^2/NDF:41.1/30

All: 1854.861+/-253.348 χ^2/NDF: 59.6/59



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1611.959+/-0.354 χ^2/NDF:30854.8/12

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1612.633+/-0.345 χ^2/NDF:27837.5/12

Left: 1612.305+/-0.247 χ^2/NDF: 58694.1/25

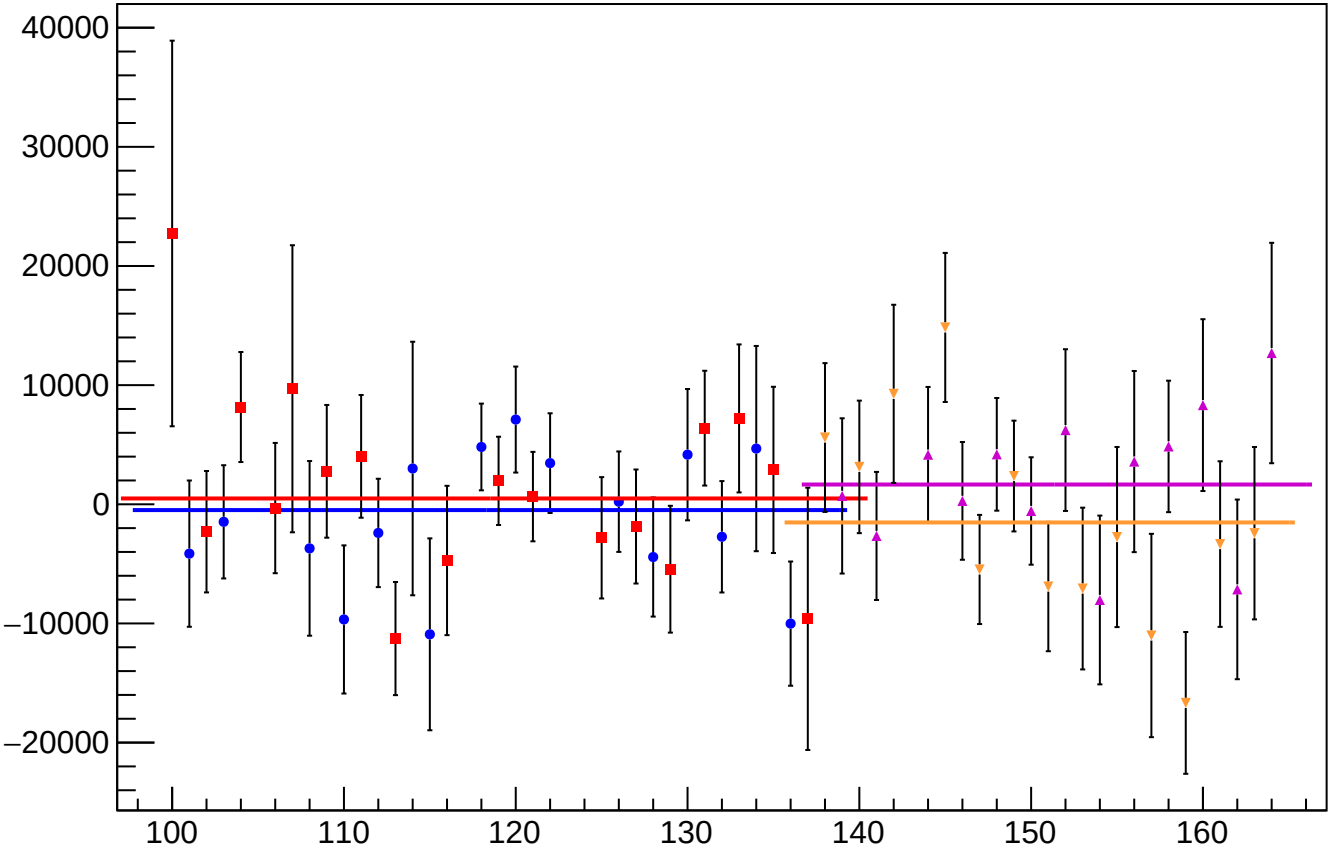
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1512.814+/-0.252 χ^2/NDF:302127.6/28

Out: 1496.883+/-0.253 χ^2/NDF:361869.6/30

All: 1504.889+/-0.179 χ^2/NDF: 665986.9/59

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: -1525.234+/-1689.633 χ^2/NDF:21.9/12

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1659.285+/-1656.845 χ^2/NDF:7.8/12

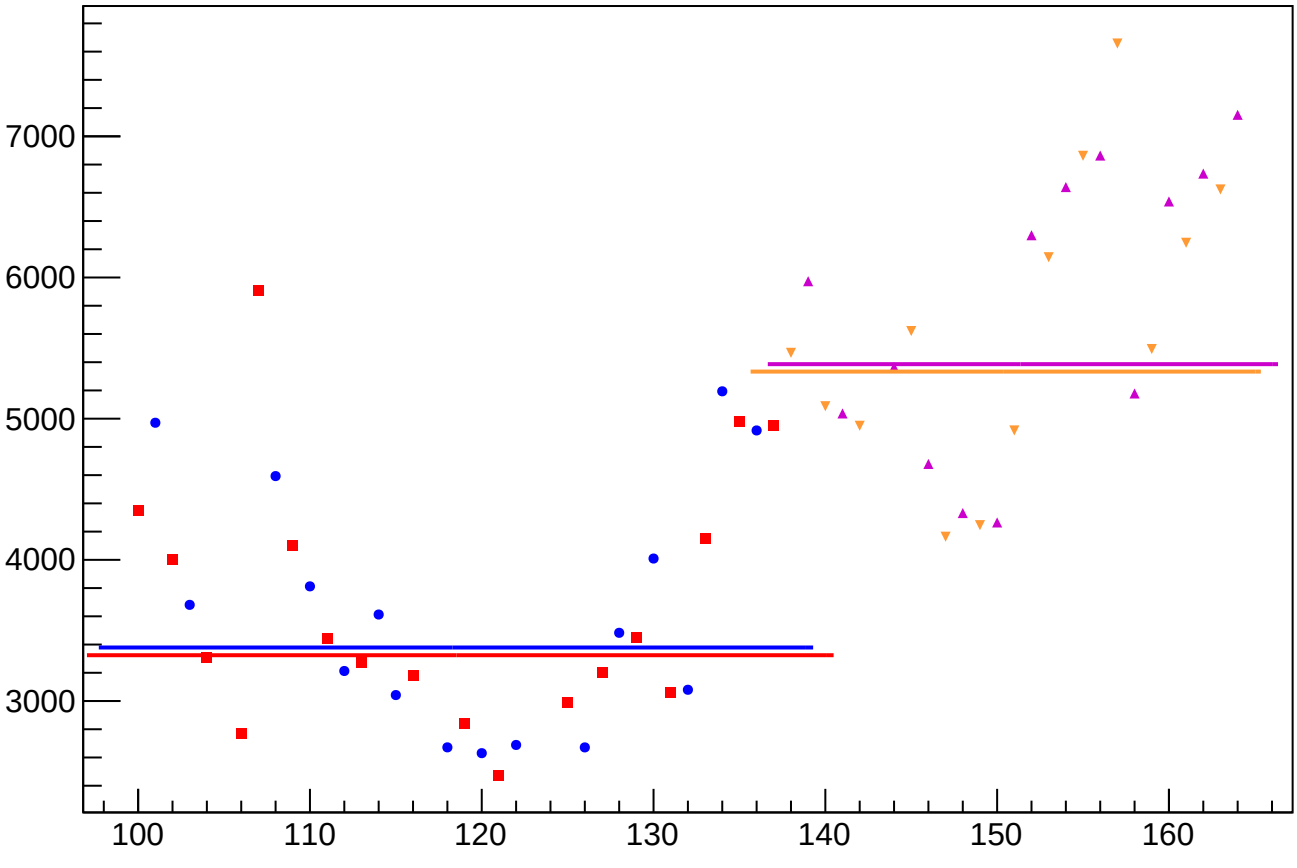
Left: 98.224+/-1182.989 χ^2/NDF: 31.5/25

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 327.157+/-1020.281 χ^2/NDF:24.8/28

Out: -232.052+/-1010.747 χ^2/NDF:41.5/30

All: 44.927+/-718.053 χ^2/NDF: 66.5/59



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5333.535+/-1.195 χ^2/NDF:624166.7/12

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5386.170+/-1.172 χ^2/NDF:654321.1/12

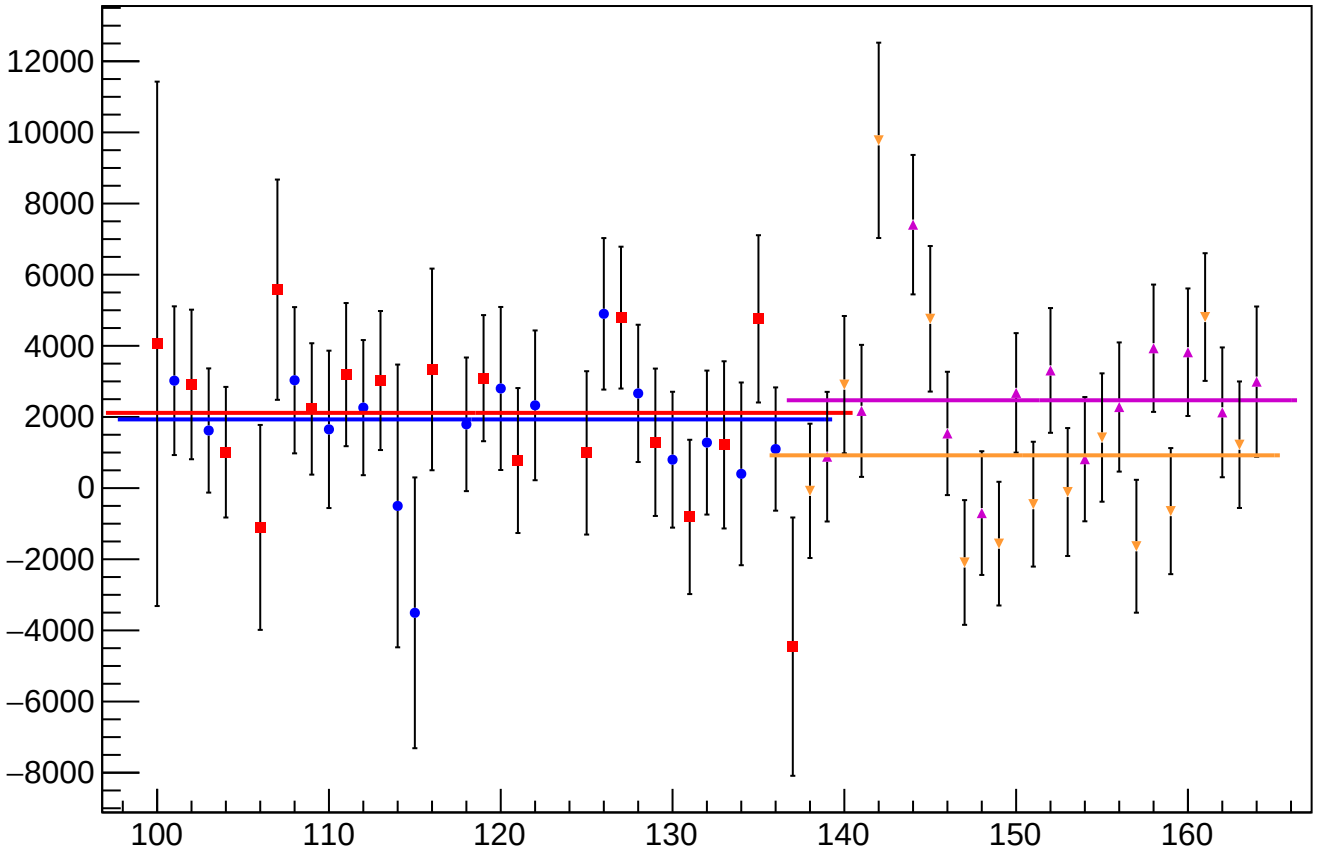
Left: 5360.368+/-0.836 χ^2/NDF: 1279477.2/25

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4140.200+/-0.721 χ^2/NDF:3231598.6/28

Out: 4043.398+/-0.715 χ^2/NDF:2983827.2/30

All: 4091.345+/-0.508 χ^2/NDF: 6224512.2/59



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 921.913+/-516.433 χ^2/NDF:28.6/12

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2469.619+/-501.649 χ^2/NDF:13.2/12

Left: 1718.236+/-359.832 χ^2/NDF: 46.5/25

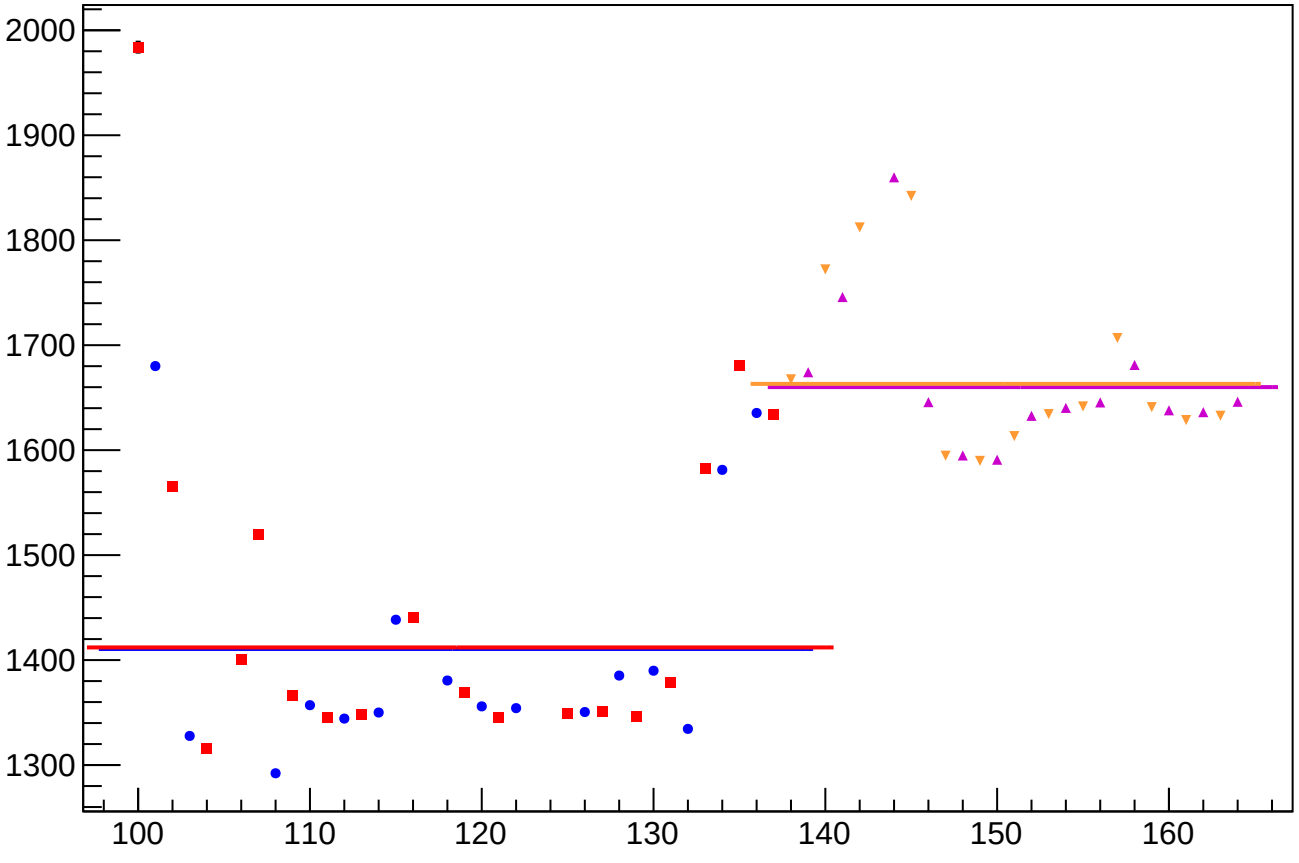
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2213.900+/-363.395 χ^2/NDF:20.1/28

Out: 1504.434+/-369.469 χ^2/NDF:44.5/30

All: 1865.046+/-259.080 χ^2/NDF: 66.5/59

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1663.137+/-0.365 χ^2/NDF:39347.9/12

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1660.056+/-0.355 χ^2/NDF:33407.8/12

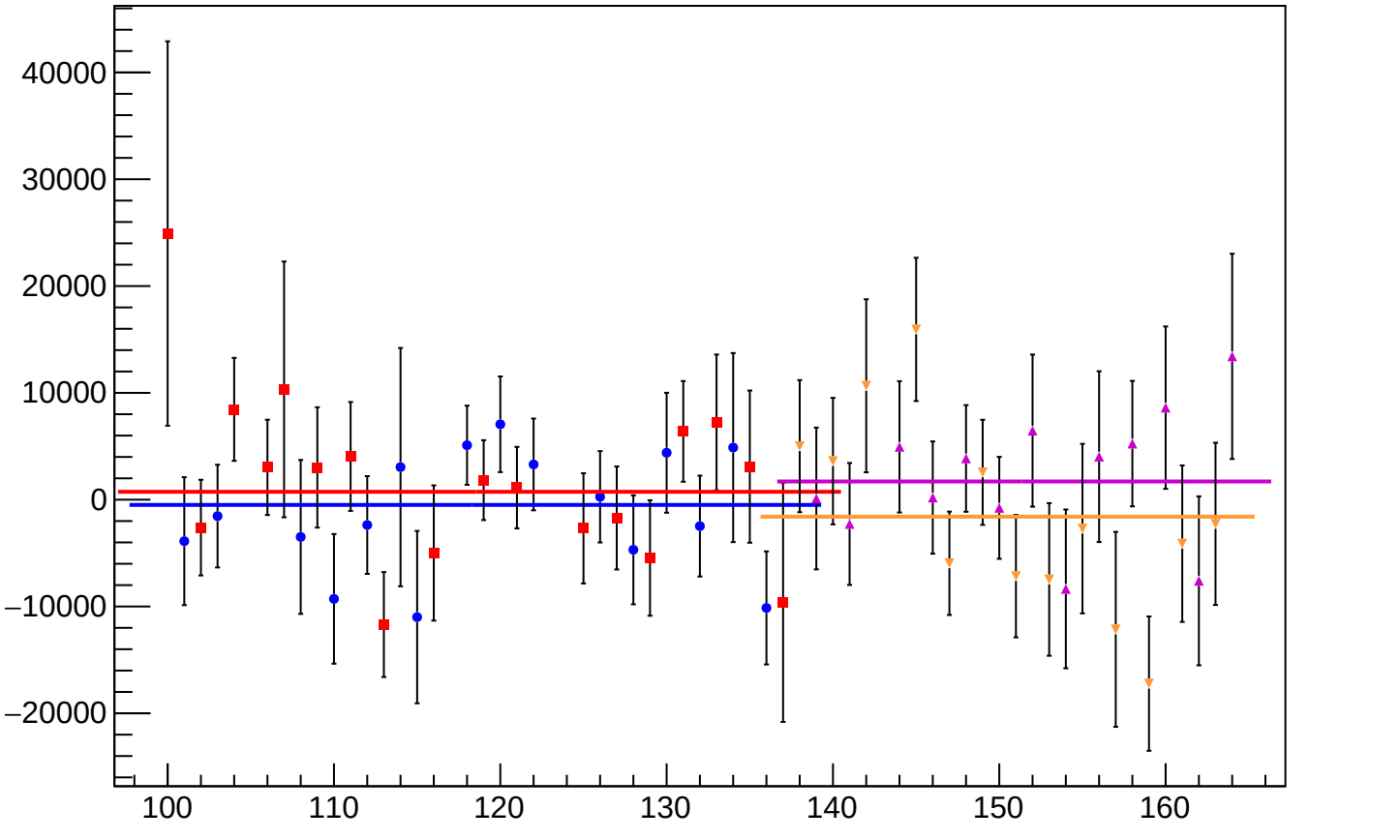
Left: 1661.552+/-0.254 χ^2/NDF: 72792.4/25

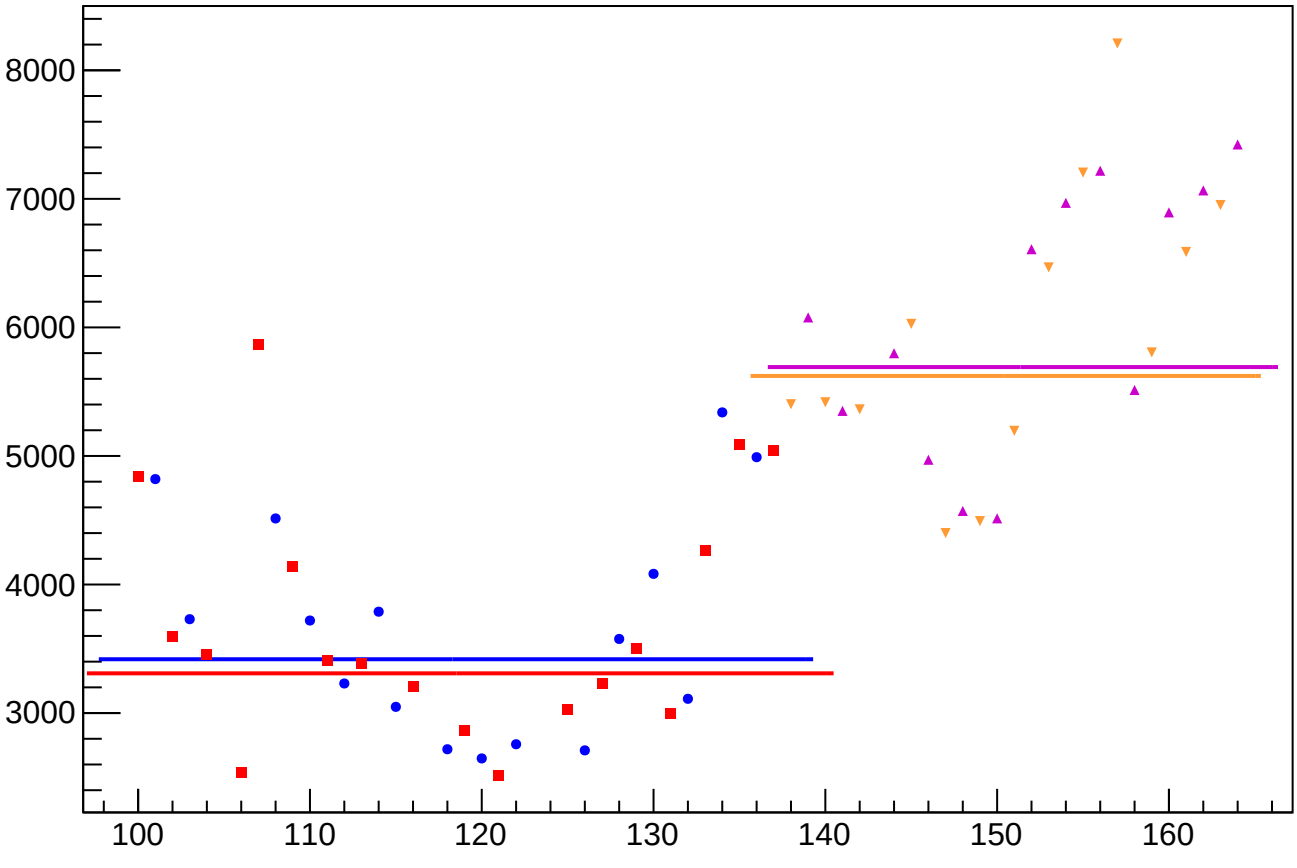
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1541.502+/-0.257 χ^2/NDF:367601.9/28

Out: 1540.228+/-0.261 χ^2/NDF:360478.9/30

All: 1540.875+/-0.183 χ^2/NDF: 728092.9/59


asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -489.402+/-1308.692 χ²/NDF: 15.8/15
Left Out: -1590.836+/-1780.817 χ²/NDF:21.8/12
Right Out: 740.592+/-1247.947 χ²/NDF: 19.2/17
Left In: 1705.223+/-1749.391 χ²/NDF:7.8/12
Left: 86.532+/-1247.969 χ²/NDF: 31.4/25
Right: 154.802+/-903.143 χ²/NDF: 35.5/33
In: 298.078+/-1047.916 χ²/NDF:24.6/28
Out: -27.255+/-1021.987 χ²/NDF:42.2/30
All: 131.337+/-731.649 χ²/NDF: 66.9/59



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5622.437+/-1.259 χ^2/NDF:623997.3/12

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5691.467+/-1.237 χ^2/NDF:616930.0/12

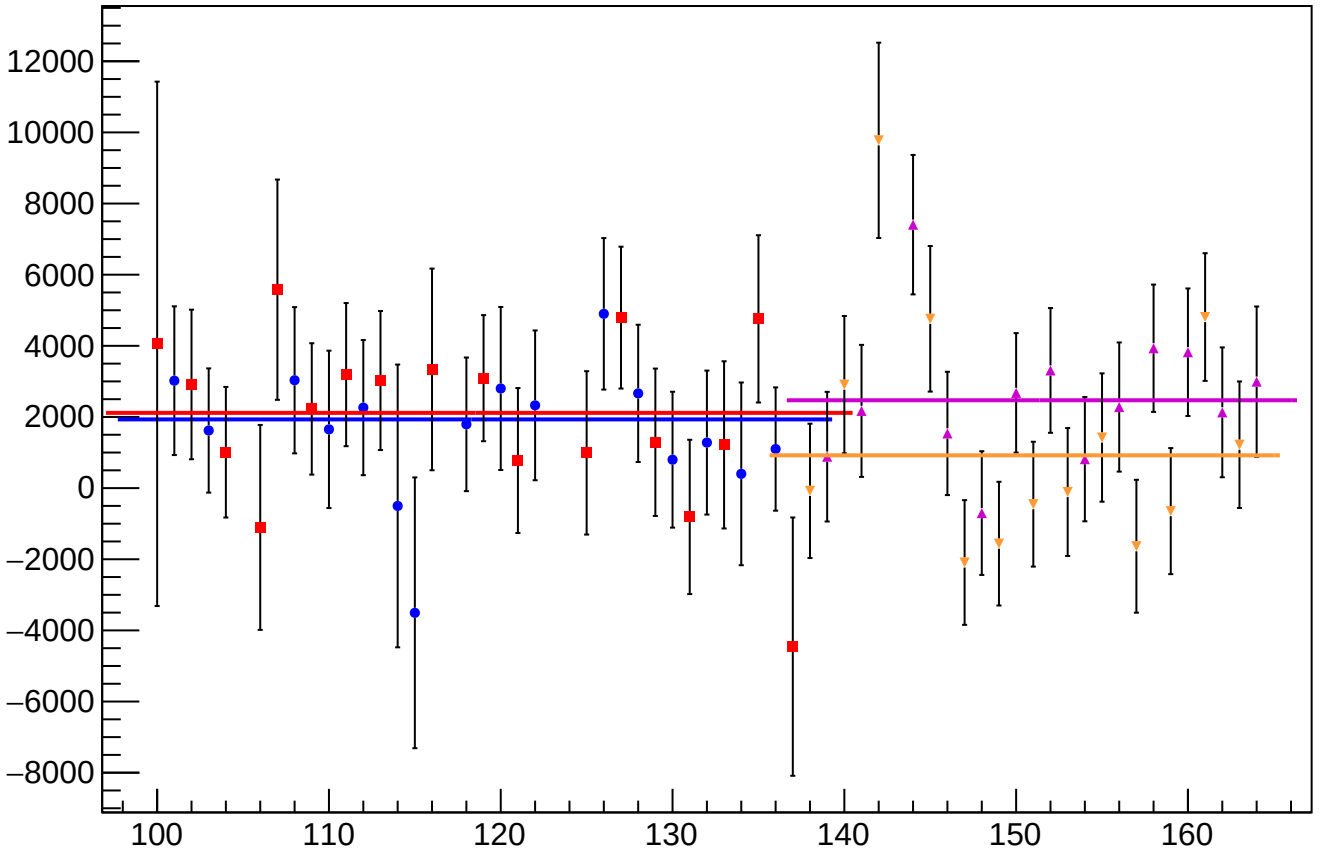
Left: 5657.566+/-0.882 χ^2/NDF: 1242456.6/25

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4234.219+/-0.741 χ^2/NDF:3502577.1/28

Out: 4070.997+/-0.723 χ^2/NDF:3459346.8/30

All: 4150.564+/-0.517 χ^2/NDF: 6986792.6/59



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 921.906+/-516.433 χ^2/NDF:28.6/12

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2469.621+/-501.649 χ^2/NDF:13.2/12

Left: 1718.233+/-359.833 χ^2/NDF: 46.5/25

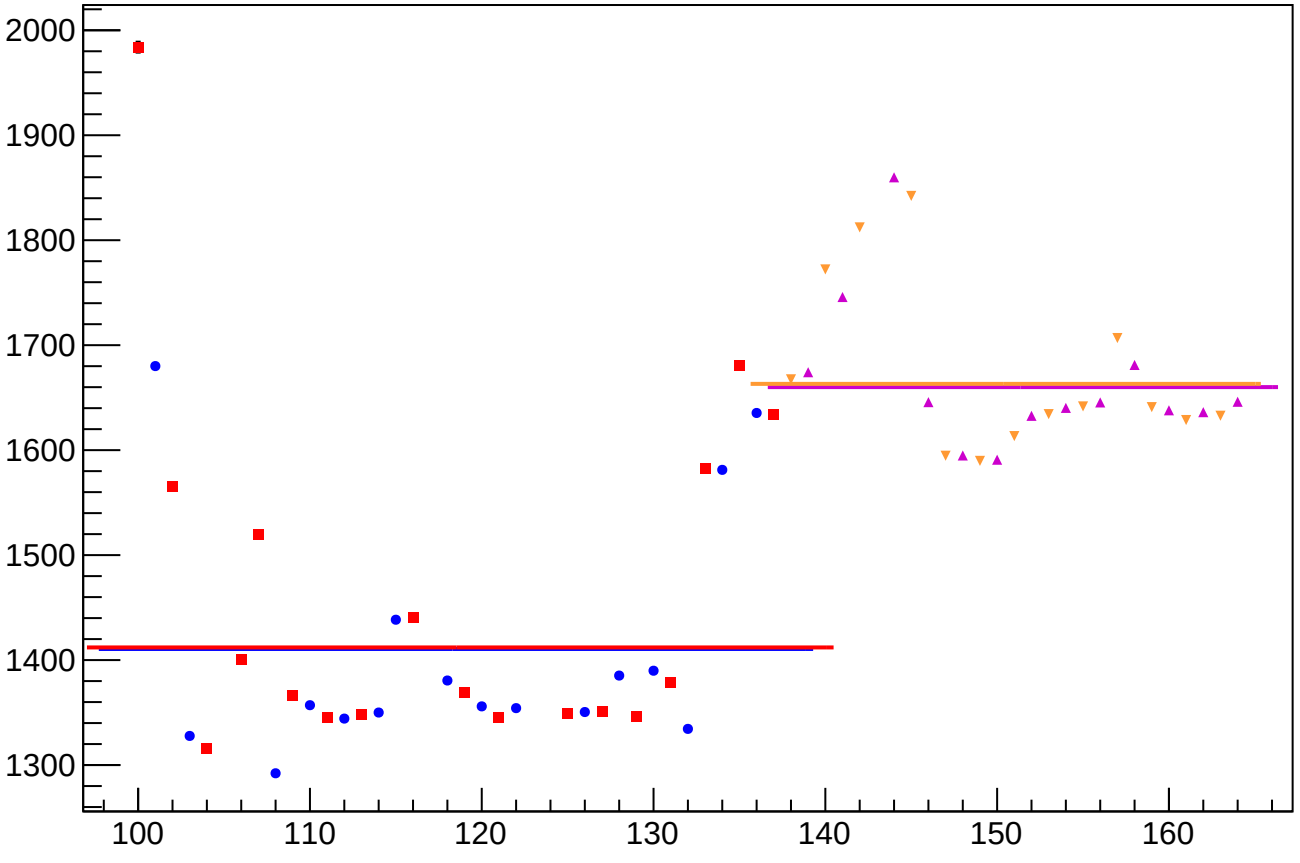
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2213.901+/-363.396 χ^2/NDF:20.1/28

Out: 1504.431+/-369.469 χ^2/NDF:44.5/30

All: 1865.045+/-259.080 χ^2/NDF: 66.5/59

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: 1663.138+/-0.365 χ^2/NDF:39348.7/12

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1660.058+/-0.355 χ^2/NDF:33408.2/12

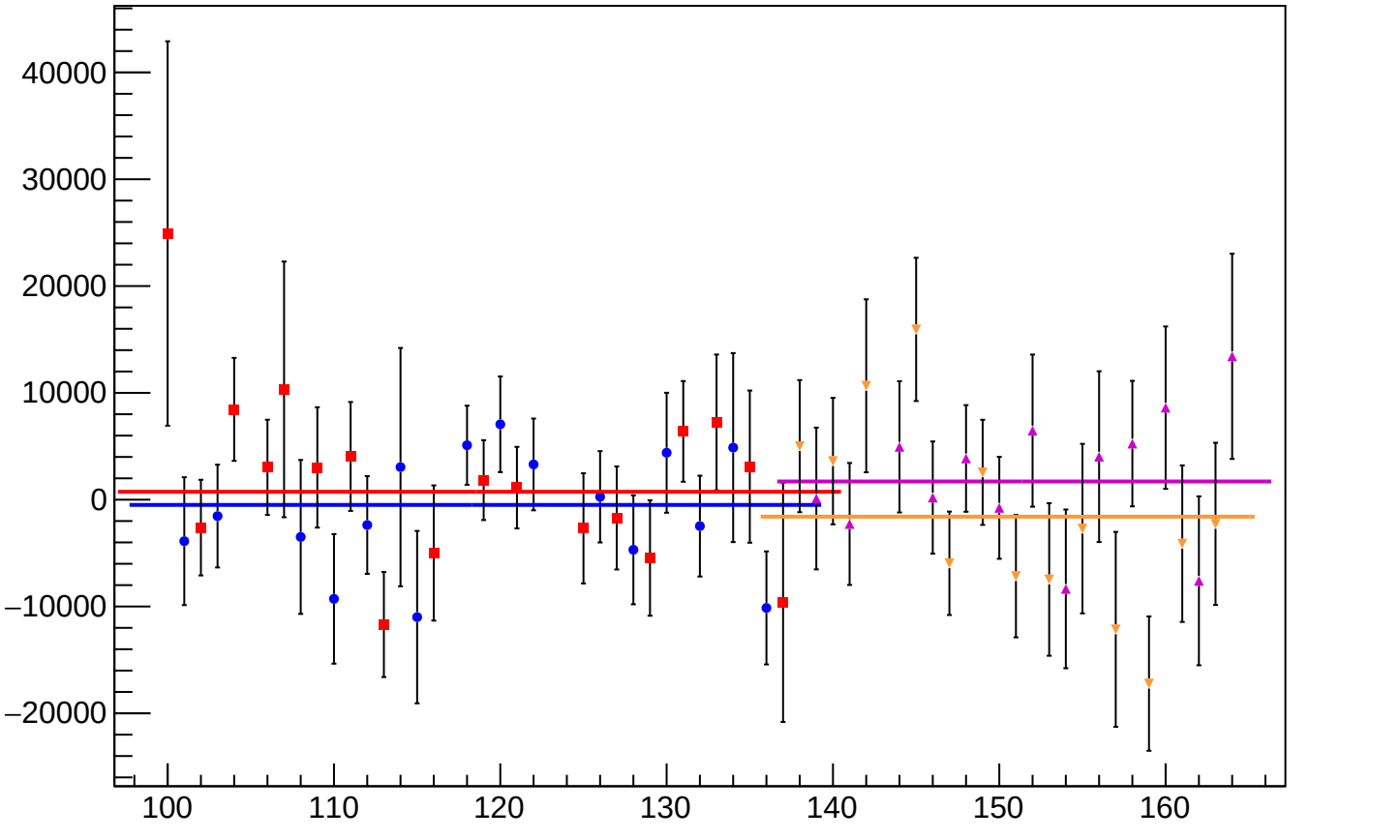
Left: 1661.553+/-0.254 χ^2/NDF: 72793.5/25

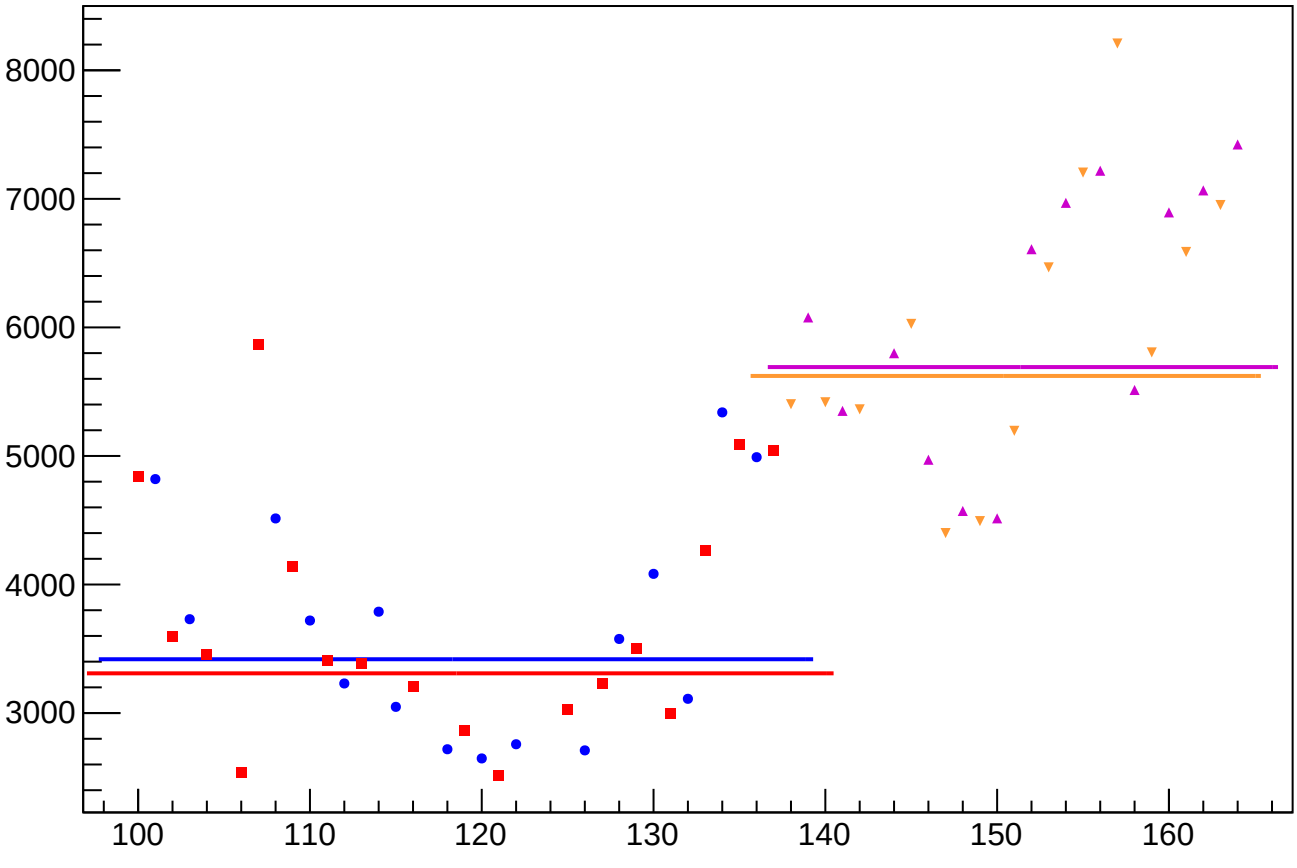
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1541.503+/-0.257 χ^2/NDF:367604.6/28

Out: 1540.229+/-0.261 χ^2/NDF:360482.5/30

All: 1540.875+/-0.183 χ^2/NDF: 728099.2/59


asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -489.395+/-1308.688 χ²/NDF: 15.8/15
Left Out: -1590.846+/-1780.819 χ²/NDF:21.8/12
Right Out: 740.594+/-1247.944 χ²/NDF: 19.2/17
Left In: 1705.224+/-1749.394 χ²/NDF:7.8/12
Left: 86.528+/-1247.970 χ²/NDF: 31.4/25
Right: 154.807+/-903.141 χ²/NDF: 35.5/33
In: 298.079+/-1047.915 χ²/NDF:24.6/28
Out: -27.252+/-1021.986 χ²/NDF:42.2/30
All: 131.339+/-731.648 χ²/NDF: 66.9/59



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5622.444+/-1.259 χ^2/NDF:623999.9/12

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5691.473+/-1.237 χ^2/NDF:616932.8/12

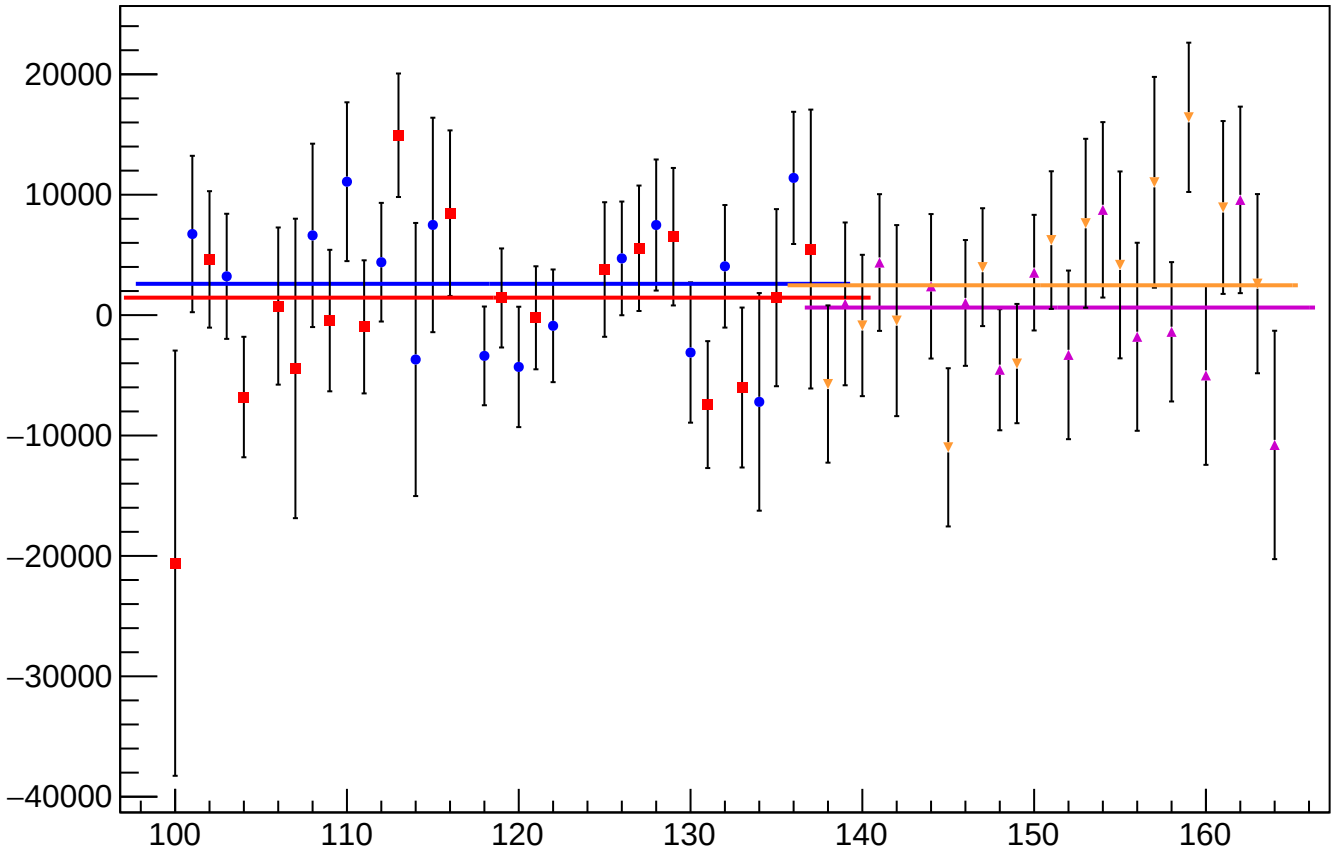
Left: 5657.573+/-0.882 χ^2/NDF: 1242461.9/25

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4234.210+/-0.741 χ^2/NDF:3502624.0/28

Out: 4070.988+/-0.723 χ^2/NDF:3459386.7/30

All: 4150.555+/-0.517 χ^2/NDF: 6986879.3/59



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2477.750+/-1773.216 χ^2/NDF:15.9/12

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 628.398+/-1736.557 χ^2/NDF:7.1/12

Left: 1533.760+/-1240.689 χ^2/NDF: 23.5/25

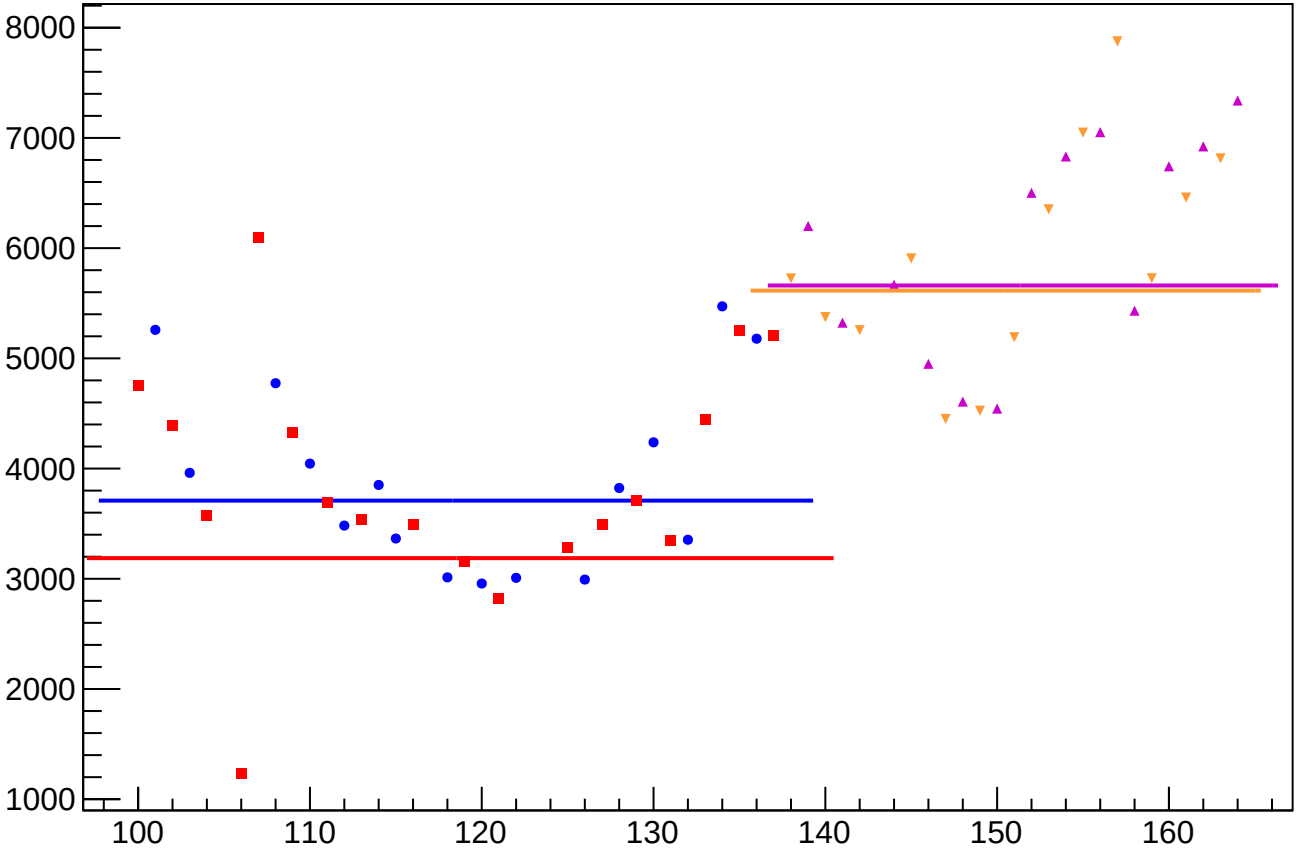
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 1813.399+/-1096.715 χ^2/NDF:21.3/28

Out: 1838.919+/-1090.442 χ^2/NDF:35.1/30

All: 1826.232+/-773.267 χ^2/NDF: 56.5/59

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5614.716+/-1.254 χ^2/NDF:537041.9/12

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5660.921+/-1.228 χ^2/NDF:557947.2/12

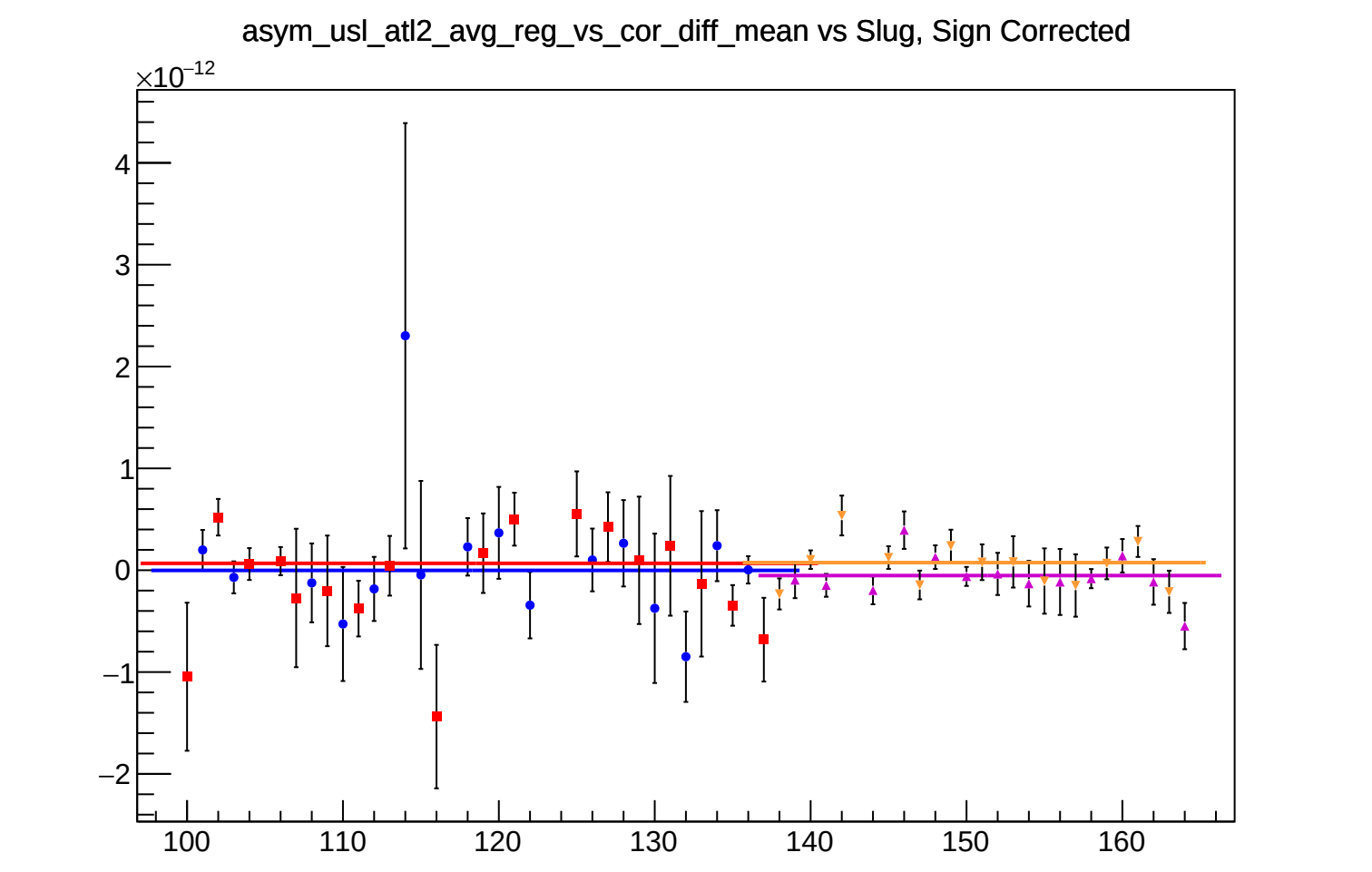
Left: 5638.301+/-0.877 χ^2/NDF: 1095682.3/25

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4487.615+/-0.775 χ^2/NDF:2687351.6/28

Out: 4007.249+/-0.729 χ^2/NDF:4629921.1/30

All: 4232.524+/-0.531 χ^2/NDF: 7521029.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:16.7/12

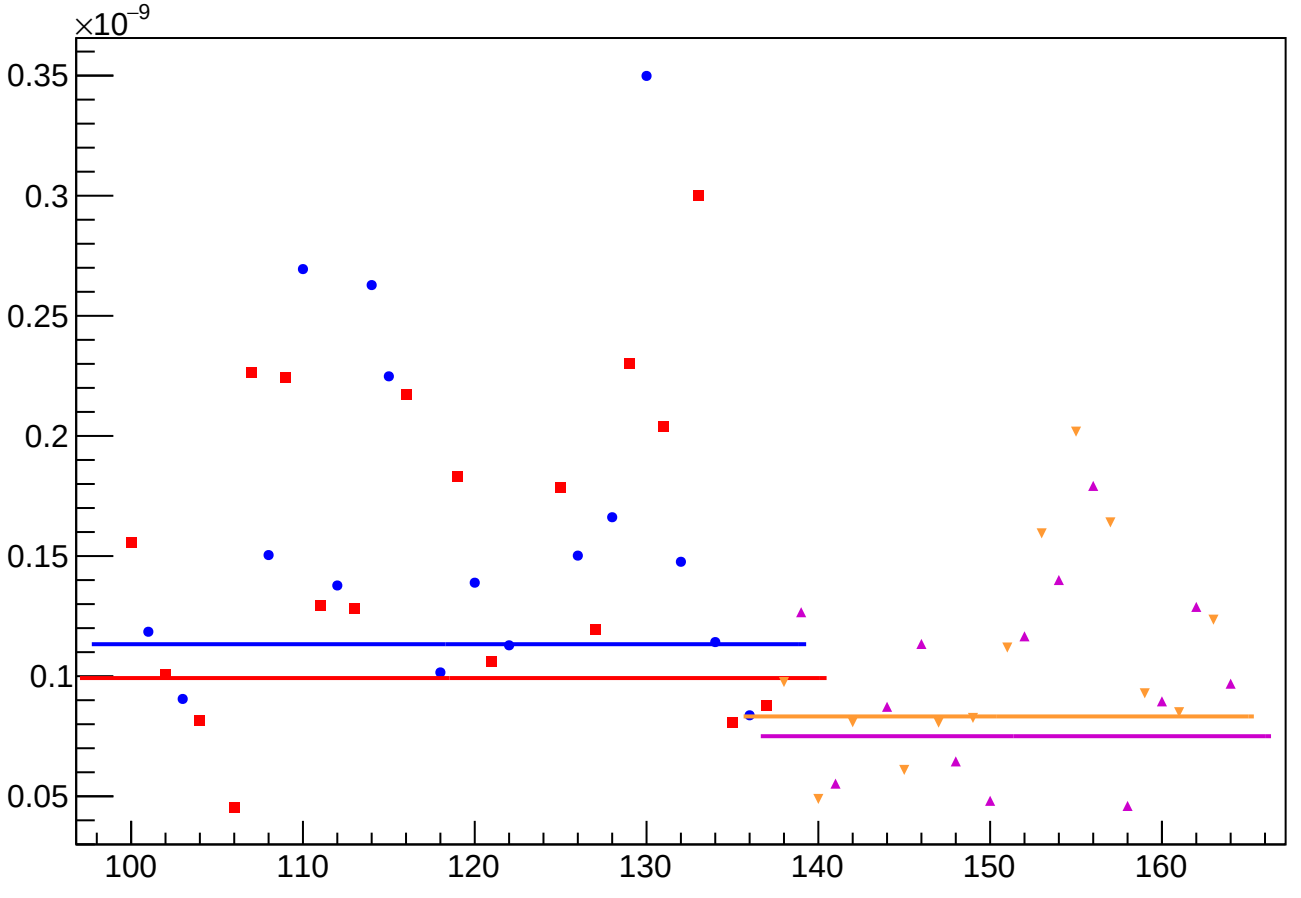
Left: 0.000+/-0.000 χ^2/NDF: 39.5/25

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:28.2/28

Out: 0.000+/-0.000 χ^2/NDF:47.6/30

All: 0.000+/-0.000 χ^2/NDF: 80.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1115281.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1312360.6/12

Left: 0.000+/-0.000 χ^2/NDF: 2466794.6/25

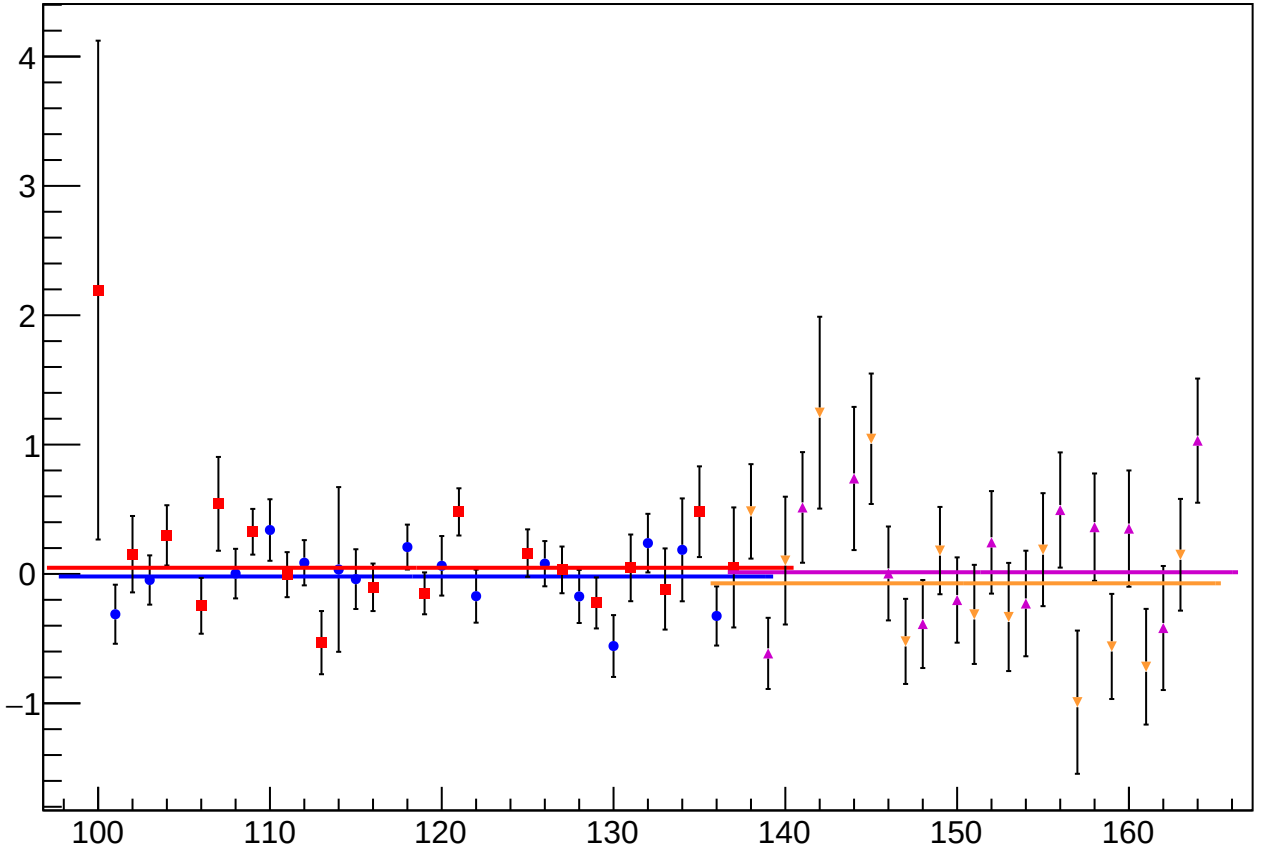
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:2415369.4/28

Out: 0.000+/-0.000 χ^2/NDF:2298796.9/30

All: 0.000+/-0.000 χ^2/NDF: 4725134.5/59

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: -0.072+/-0.117 χ^2/NDF:20.6/12

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.013+/-0.109 χ^2/NDF:18.5/12

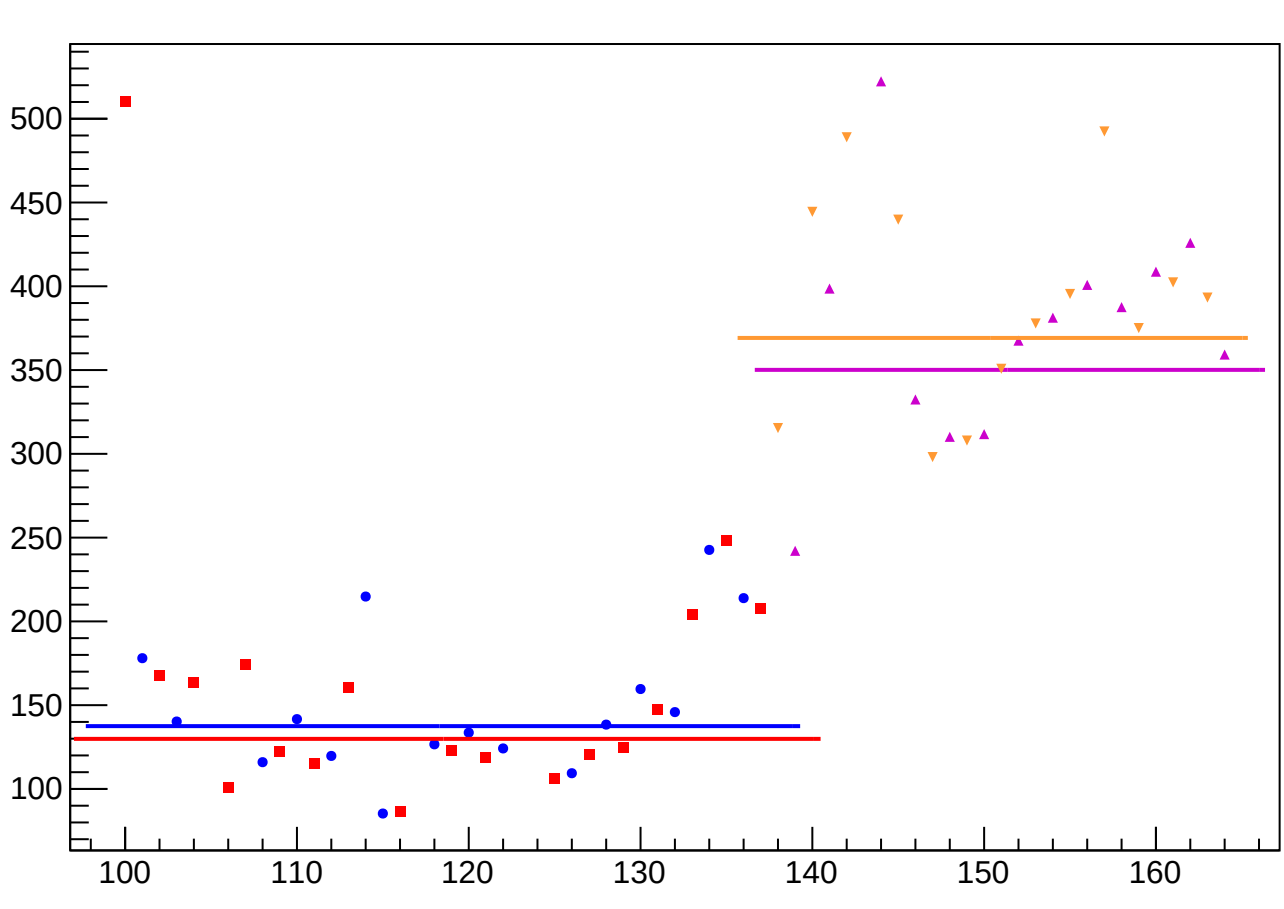
Left: -0.027+/-0.080 χ^2/NDF: 39.4/25

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

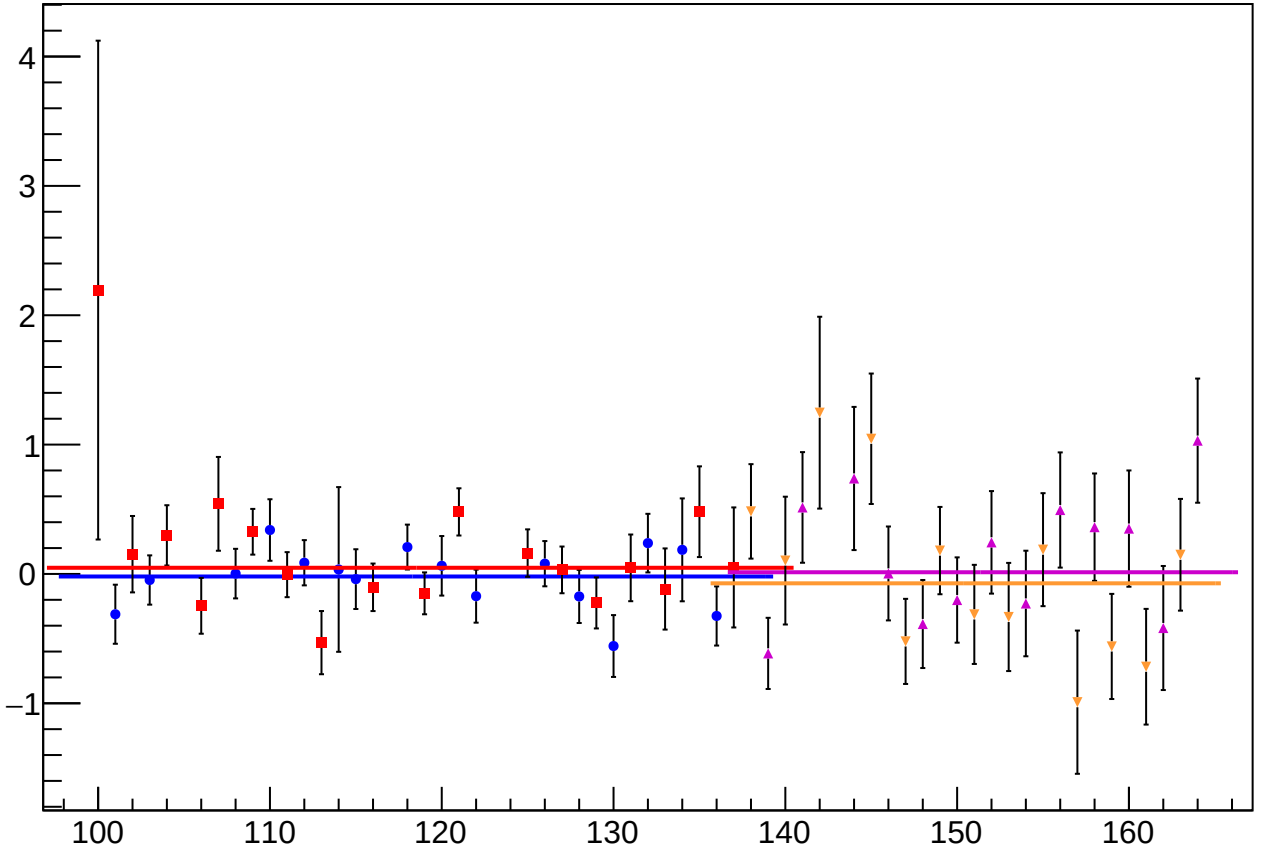
In: -0.013+/-0.049 χ^2/NDF:34.6/28

Out: 0.028+/-0.048 χ^2/NDF:47.8/30

All: 0.007+/-0.034 χ^2/NDF: 82.8/59


asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
Right In: 137.492+/-0.038 χ²/NDF: 692947.9/15
Left Out: 369.176+/-0.083 χ²/NDF:469852.5/12
Right Out: 129.887+/-0.037 χ²/NDF: 833983.9/17
Left In: 350.121+/-0.077 χ²/NDF:729356.2/12
Left: 358.956+/-0.056 χ²/NDF: 1227569.3/25
Right: 133.568+/-0.027 χ²/NDF: 1547246.7/33
In: 179.674+/-0.034 χ²/NDF:7527231.4/28
Out: 169.878+/-0.034 χ²/NDF:8249013.6/30
All: 174.712+/-0.024 χ²/NDF: 15817516.0/59

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: -0.072+/-0.117 χ^2/NDF:20.6/12

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.013+/-0.109 χ^2/NDF:18.5/12

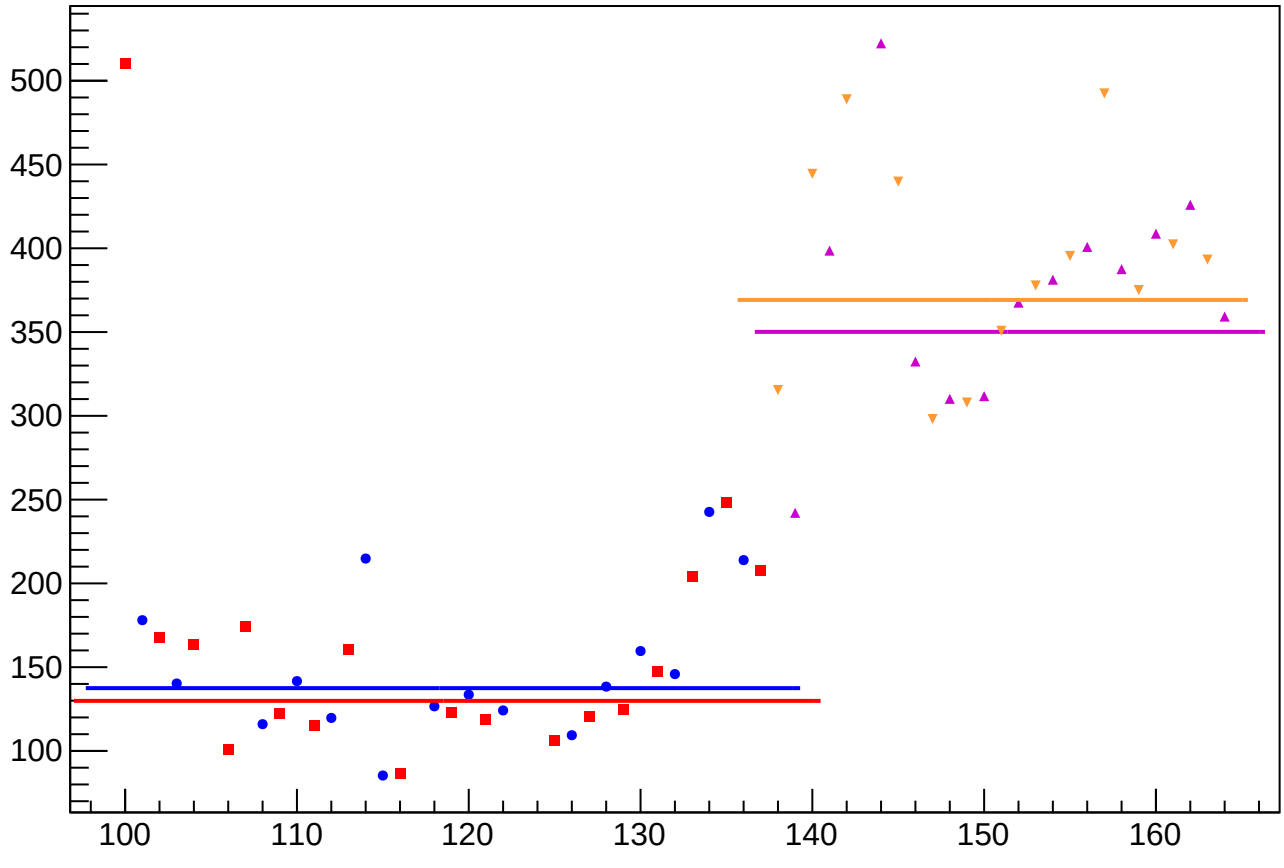
Left: -0.027+/-0.080 χ^2/NDF: 39.4/25

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.013+/-0.049 χ^2/NDF:34.6/28

Out: 0.028+/-0.048 χ^2/NDF:47.8/30

All: 0.007+/-0.034 χ^2/NDF: 82.8/59



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 369.176+/-0.083 χ^2/NDF:469852.5/12

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 350.121+/-0.077 χ^2/NDF:729356.2/12

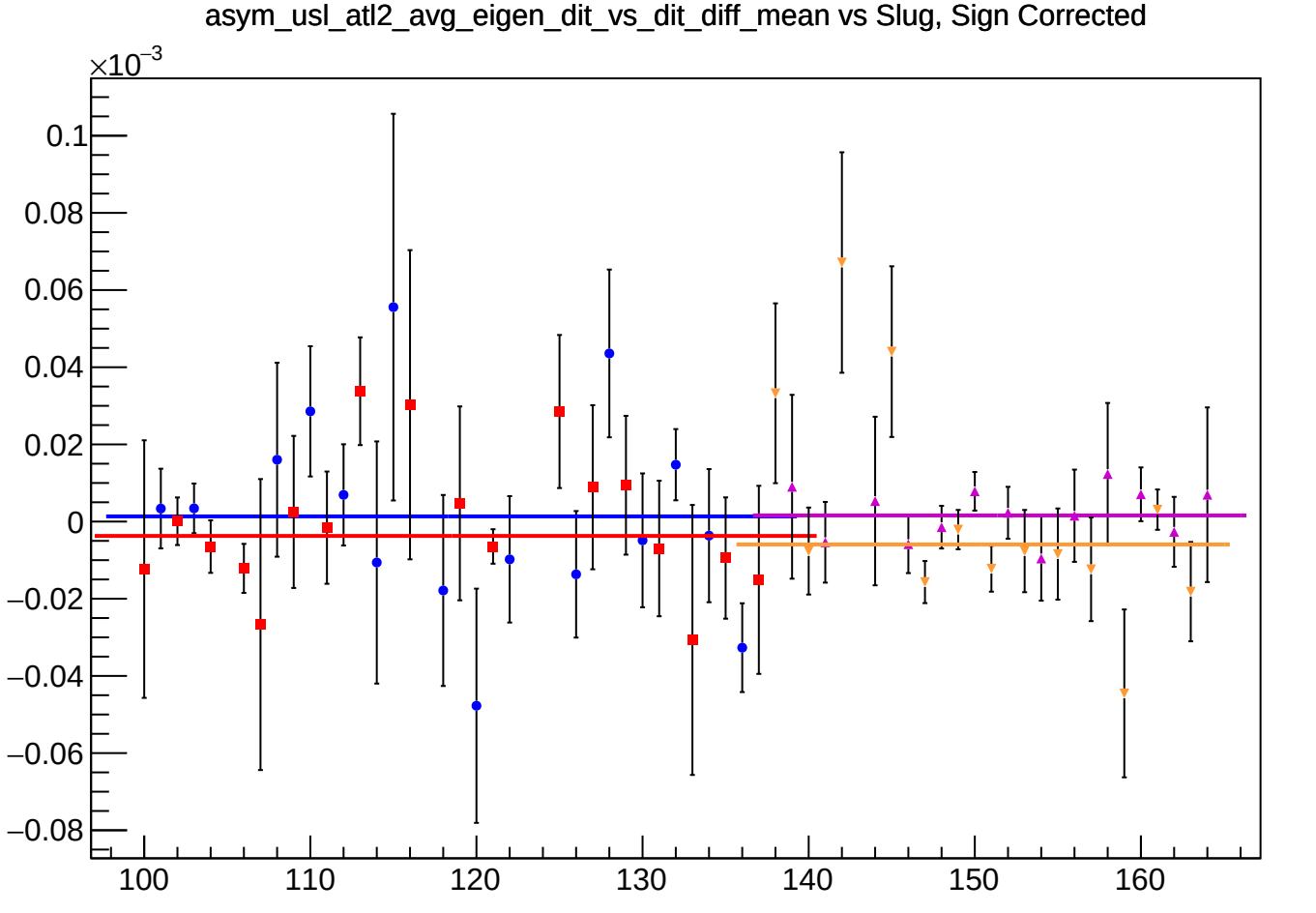
Left: 358.956+/-0.056 χ^2/NDF: 1227569.3/25

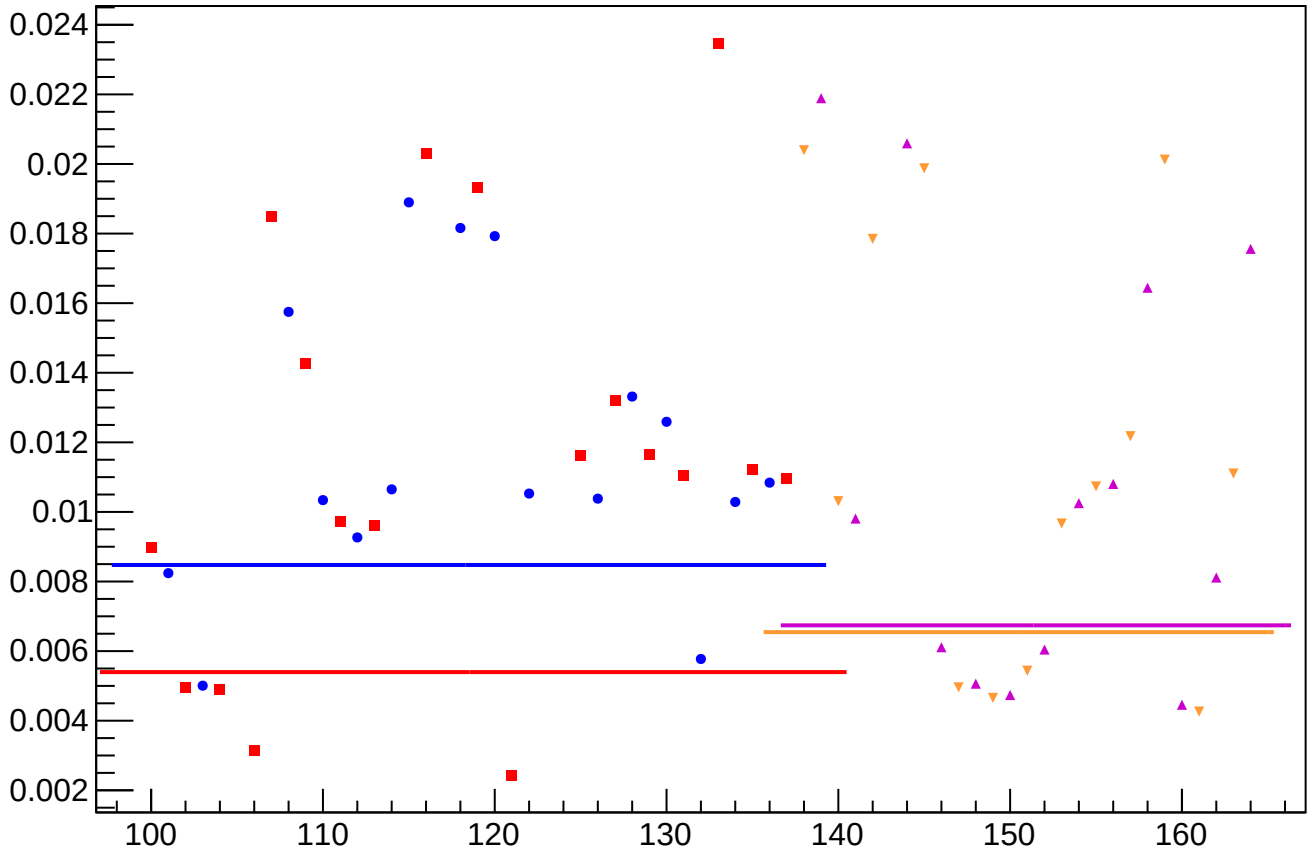
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 179.674+/-0.034 χ^2/NDF:7527231.4/28

Out: 169.878+/-0.034 χ^2/NDF:8249013.6/30

All: 174.712+/-0.024 χ^2/NDF: 15817516.0/59


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
160
Right In: 0.000+/-0.000 χ²/NDF: 23.9/15
Left Out: -0.000+/-0.000 χ²/NDF:26.7/12
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: 0.000+/-0.000 χ²/NDF:5.7/12
Left: -0.000+/-0.000 χ²/NDF: 37.5/25
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:29.6/28
Out: -0.000+/-0.000 χ²/NDF:42.9/30
All: -0.000+/-0.000 χ²/NDF: 78.6/59



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.007+/-0.000 χ^2/NDF:4669790.9/12

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:4035207.7/12

Left: 0.007+/-0.000 χ^2/NDF: 8711783.1/25

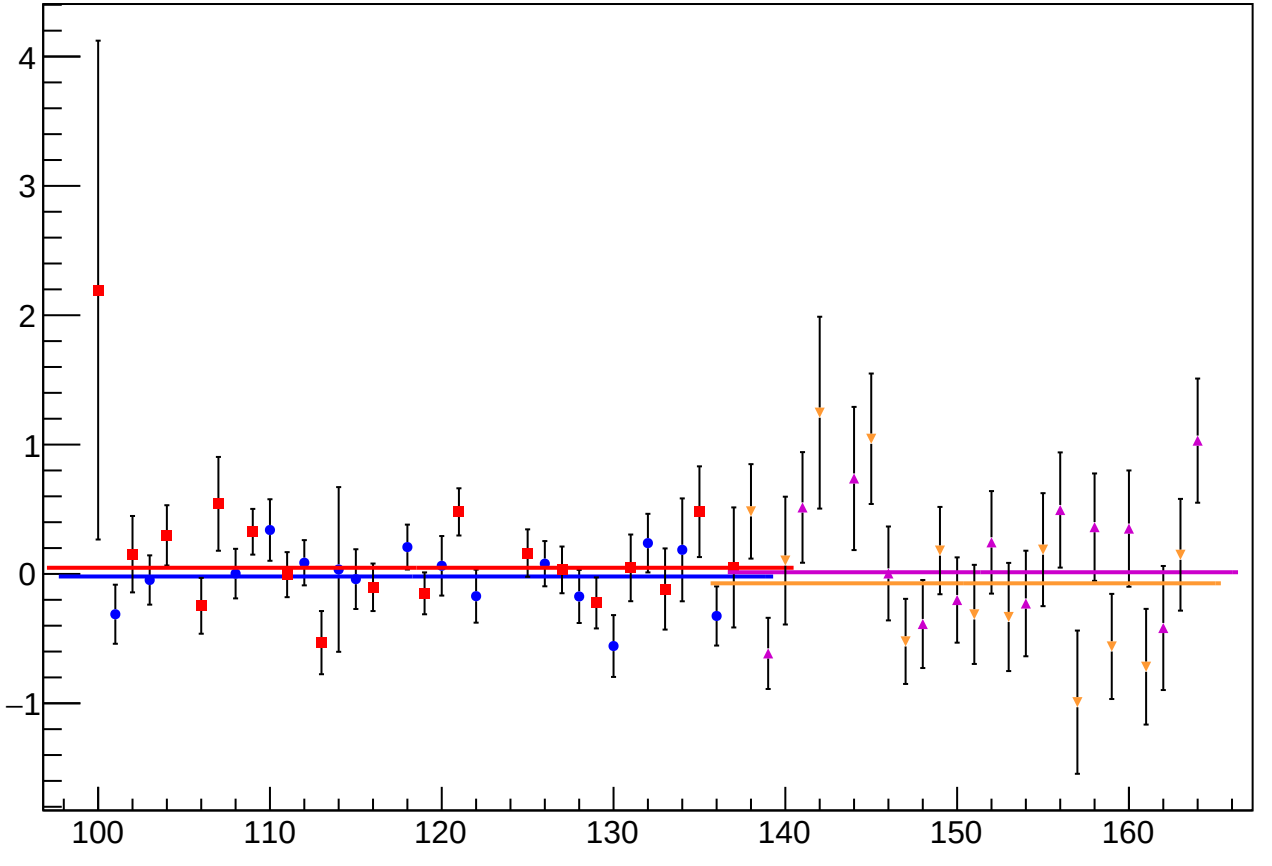
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.007+/-0.000 χ^2/NDF:6305408.5/28

Out: 0.006+/-0.000 χ^2/NDF:9799940.2/30

All: 0.007+/-0.000 χ^2/NDF: 16592787.2/59

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: -0.072+/-0.117 χ^2/NDF:20.6/12

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.013+/-0.109 χ^2/NDF:18.5/12

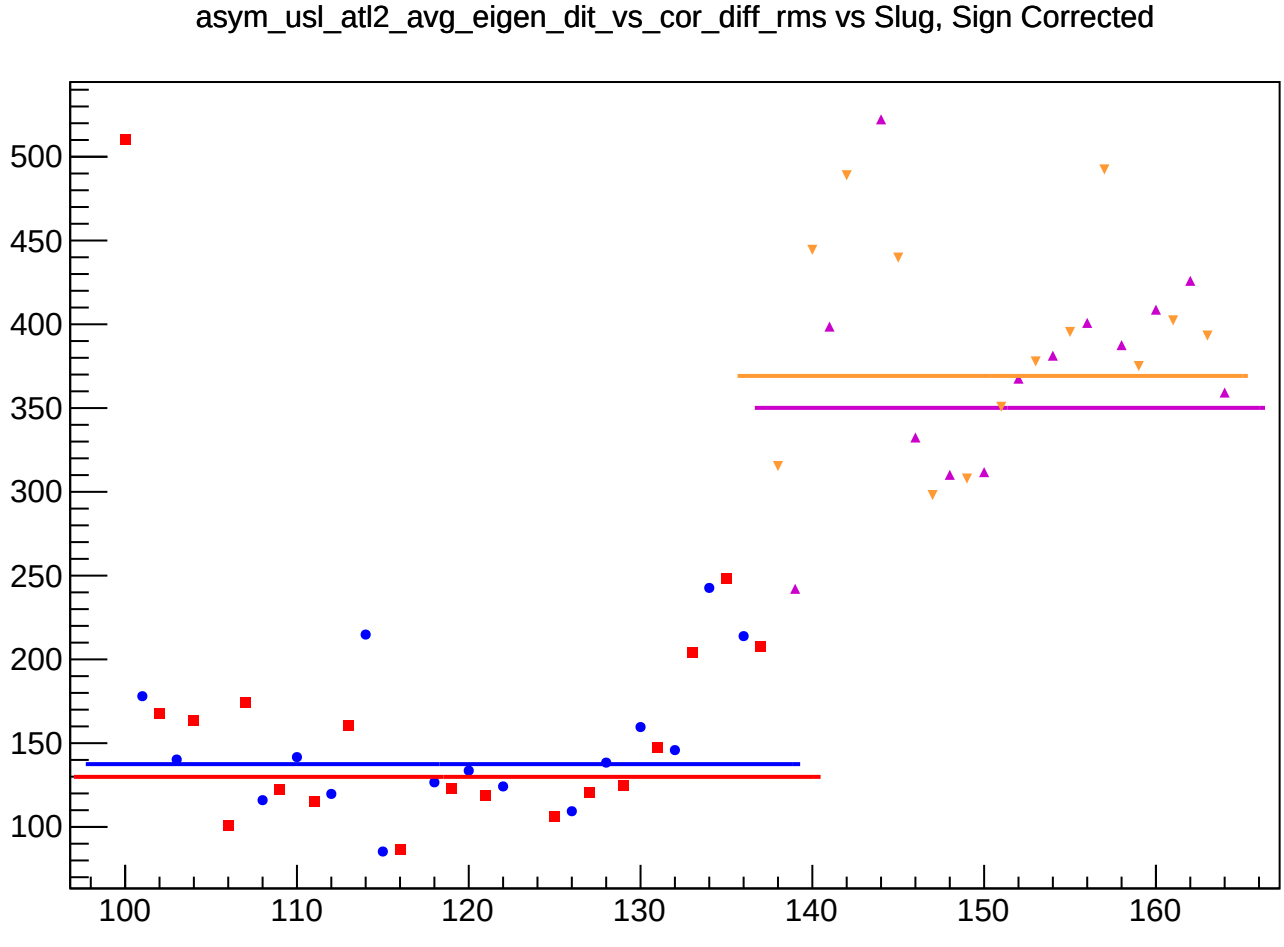
Left: -0.027+/-0.080 χ^2/NDF: 39.4/25

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.013+/-0.049 χ^2/NDF:34.6/28

Out: 0.028+/-0.048 χ^2/NDF:47.8/30

All: 0.007+/-0.034 χ^2/NDF: 82.8/59



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 369.180+/-0.083 χ^2/NDF:469895.8/12

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 350.126+/-0.077 χ^2/NDF:729345.9/12

Left: 358.961+/-0.056 χ^2/NDF: 1227597.6/25

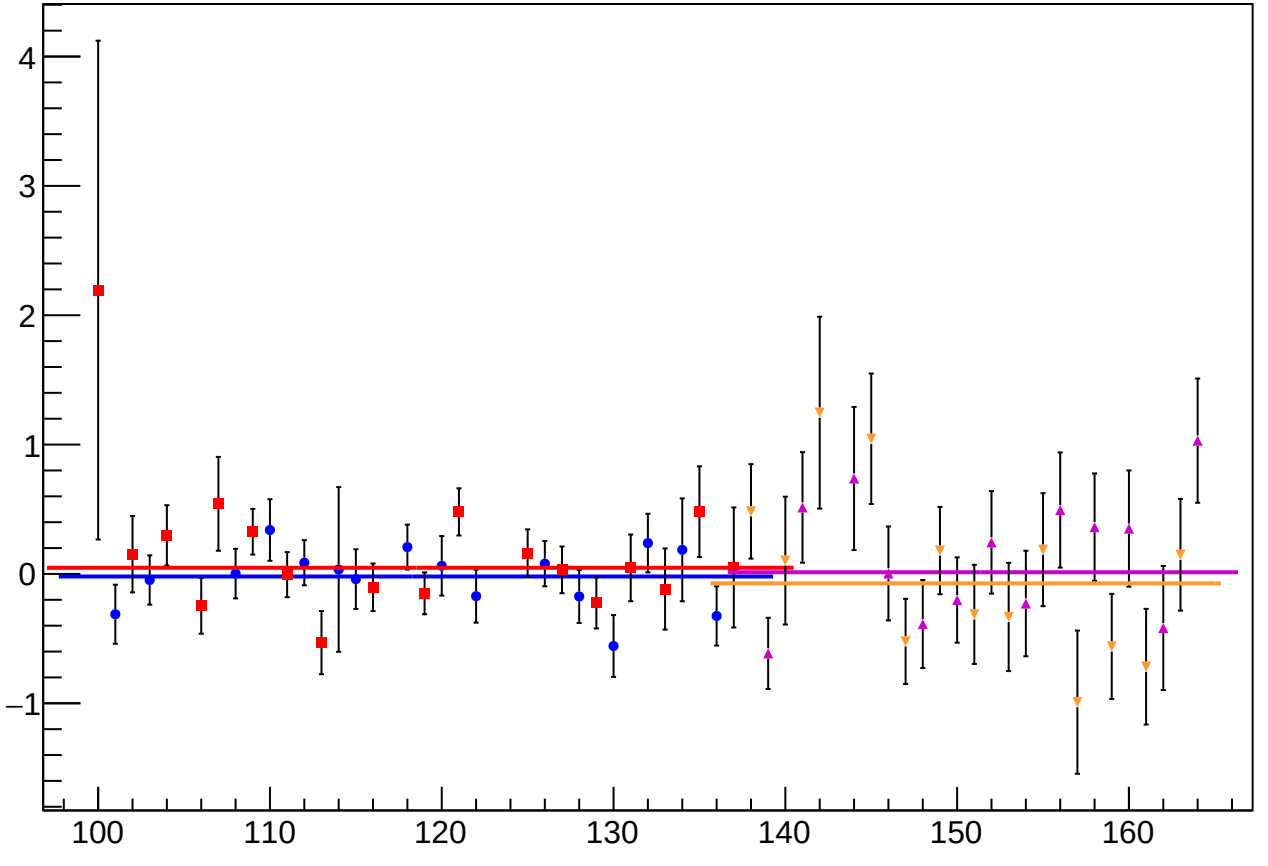
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 179.674+/-0.034 χ^2/NDF:7527373.9/28

Out: 169.877+/-0.034 χ^2/NDF:8249117.7/30

All: 174.712+/-0.024 χ^2/NDF: 15817763.1/59

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: -0.072+/-0.117 χ^2/NDF:20.6/12

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: 0.013+/-0.109 χ^2/NDF:18.5/12

Left: -0.027+/-0.080 χ^2/NDF: 39.4/25

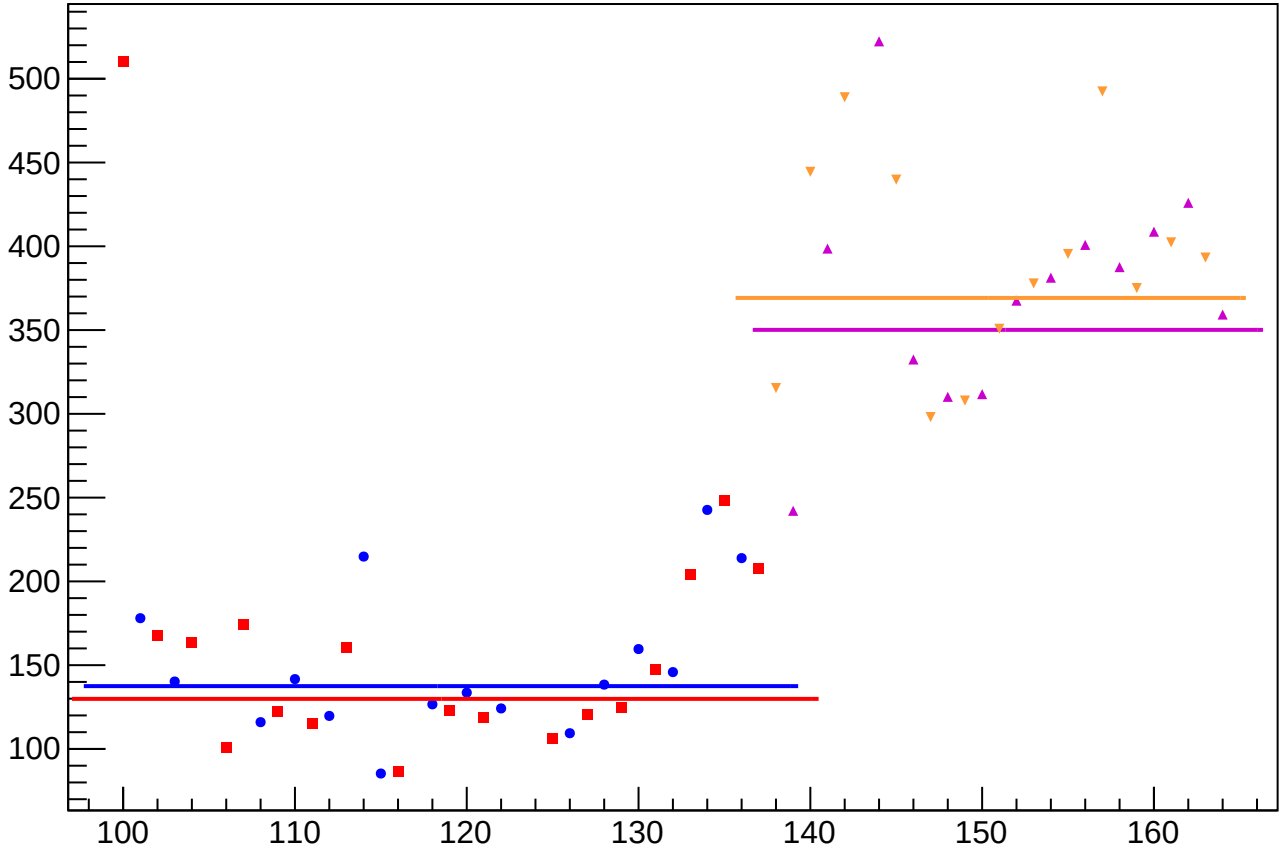
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.013+/-0.049 χ^2/NDF:34.6/28

Out: 0.028+/-0.048 χ^2/NDF:47.8/30

All: 0.007+/-0.034 χ^2/NDF: 82.8/59

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 369.180+/-0.083 χ^2/NDF:469895.8/12

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 350.126+/-0.077 χ^2/NDF:729345.9/12

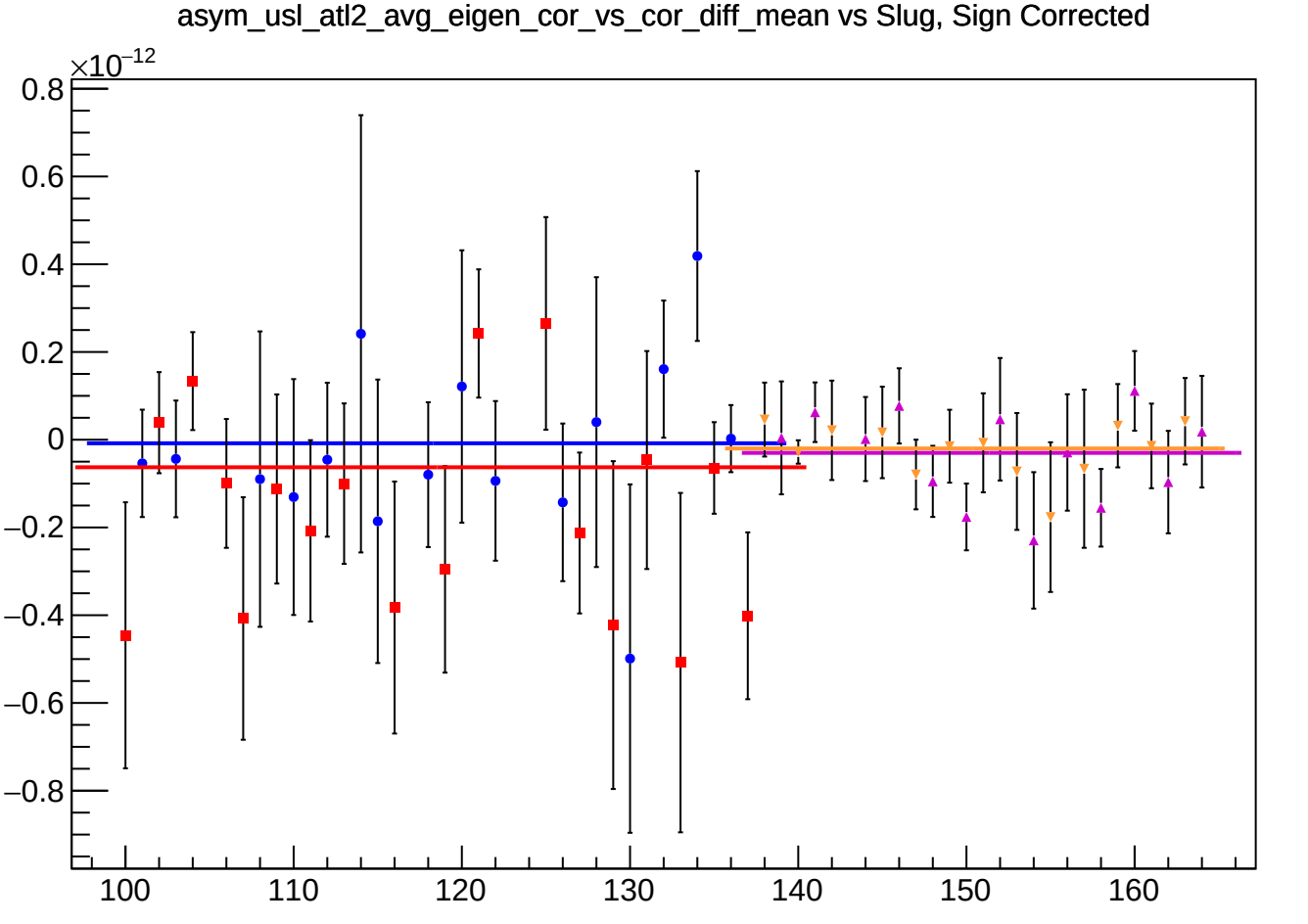
Left: 358.961+/-0.056 χ^2/NDF: 1227597.6/25

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

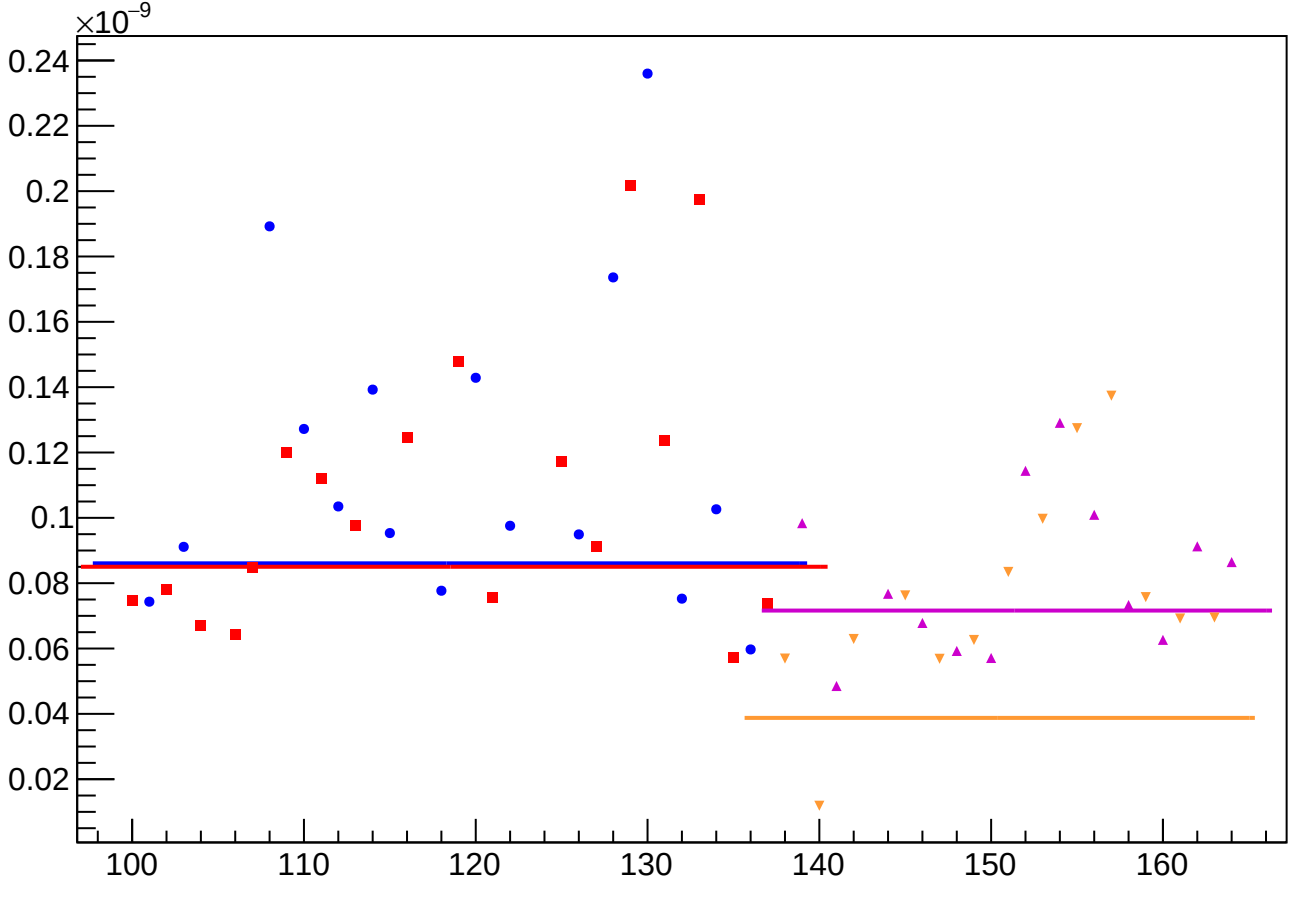
In: 179.674+/-0.034 χ^2/NDF:7527373.9/28

Out: 169.877+/-0.034 χ^2/NDF:8249117.7/30

All: 174.712+/-0.024 χ^2/NDF: 15817763.1/59


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
160
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:3.3/12
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: -0.000+/-0.000 χ²/NDF:14.8/12
Left: -0.000+/-0.000 χ²/NDF: 18.1/25
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:24.8/28
Out: -0.000+/-0.000 χ²/NDF:26.3/30
All: -0.000+/-0.000 χ²/NDF: 51.1/59

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5310937.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1108953.7/12

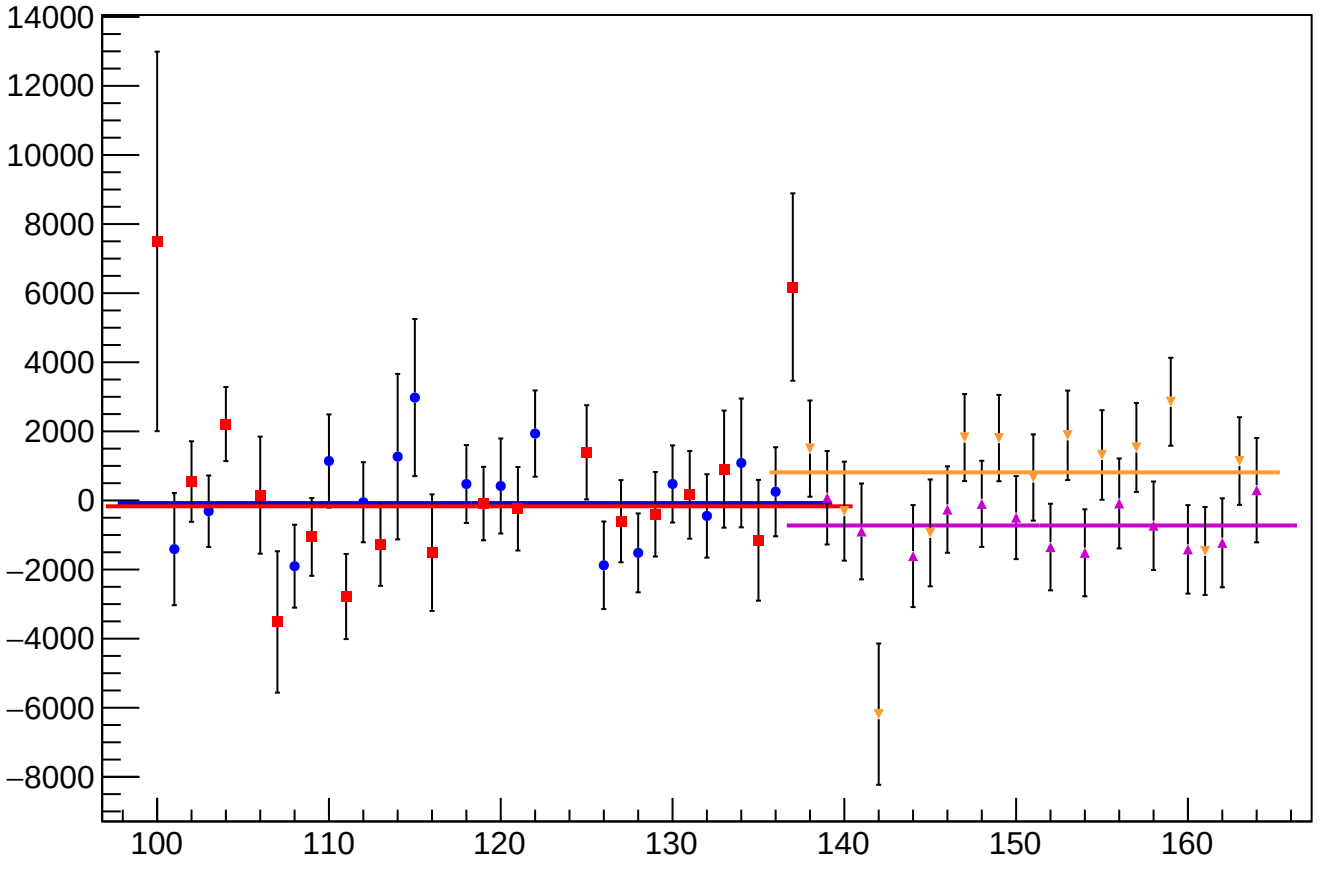
Left: 0.000+/-0.000 χ^2/NDF: 8350598.2/25

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:2346337.7/28

Out: 0.000+/-0.000 χ^2/NDF:8298296.6/30

All: 0.000+/-0.000 χ^2/NDF: 12579154.1/59



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 813.828+/-372.073 χ^2/NDF:22.1/12

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -724.569+/-362.236 χ^2/NDF:2.9/12

Left: 24.025+/-259.548 χ^2/NDF: 33.9/25

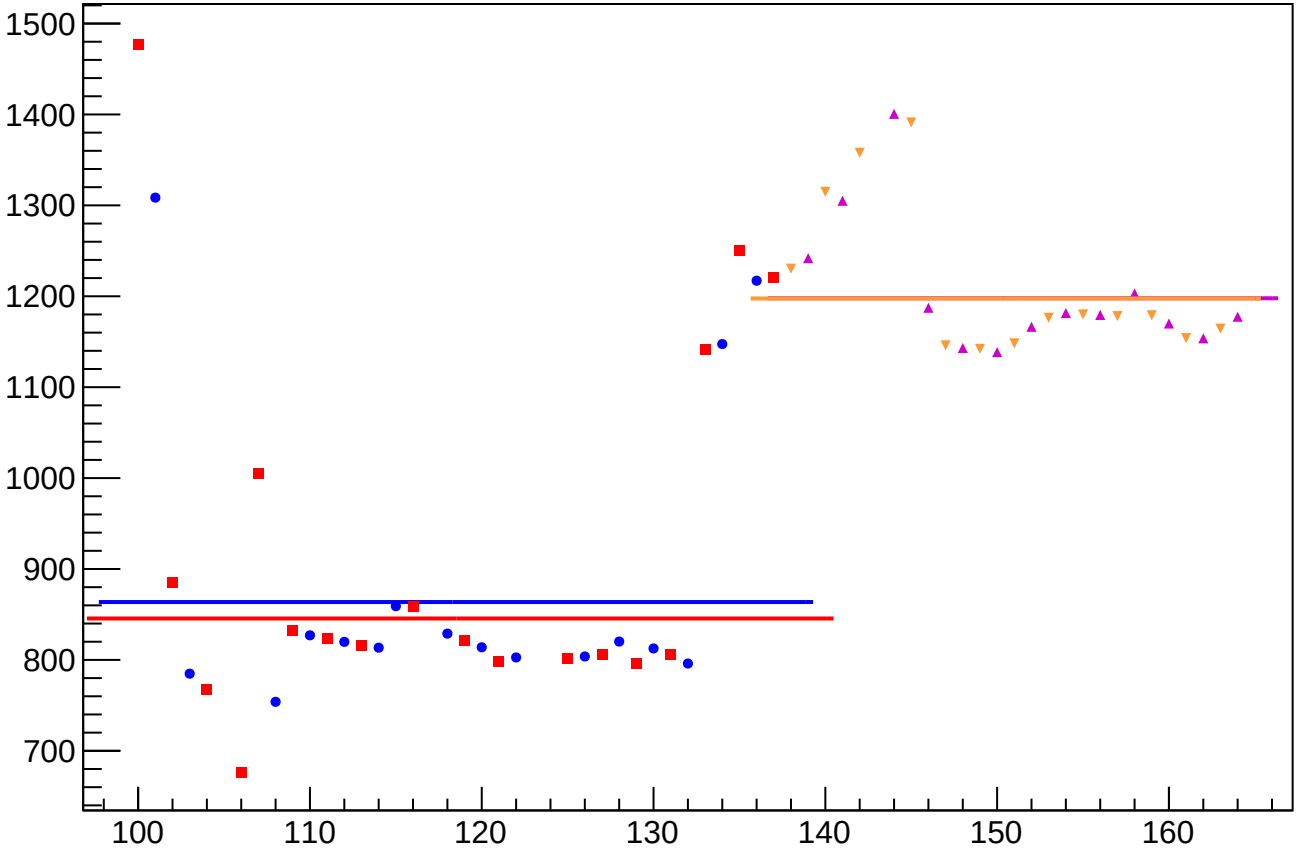
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -366.423+/-242.411 χ^2/NDF:18.1/28

Out: 251.420+/-243.407 χ^2/NDF:50.5/30

All: -58.768+/-171.762 χ^2/NDF: 71.8/59

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1197.571+/-0.263 χ^2/NDF:74088.0/12

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1197.790+/-0.256 χ^2/NDF:66358.4/12

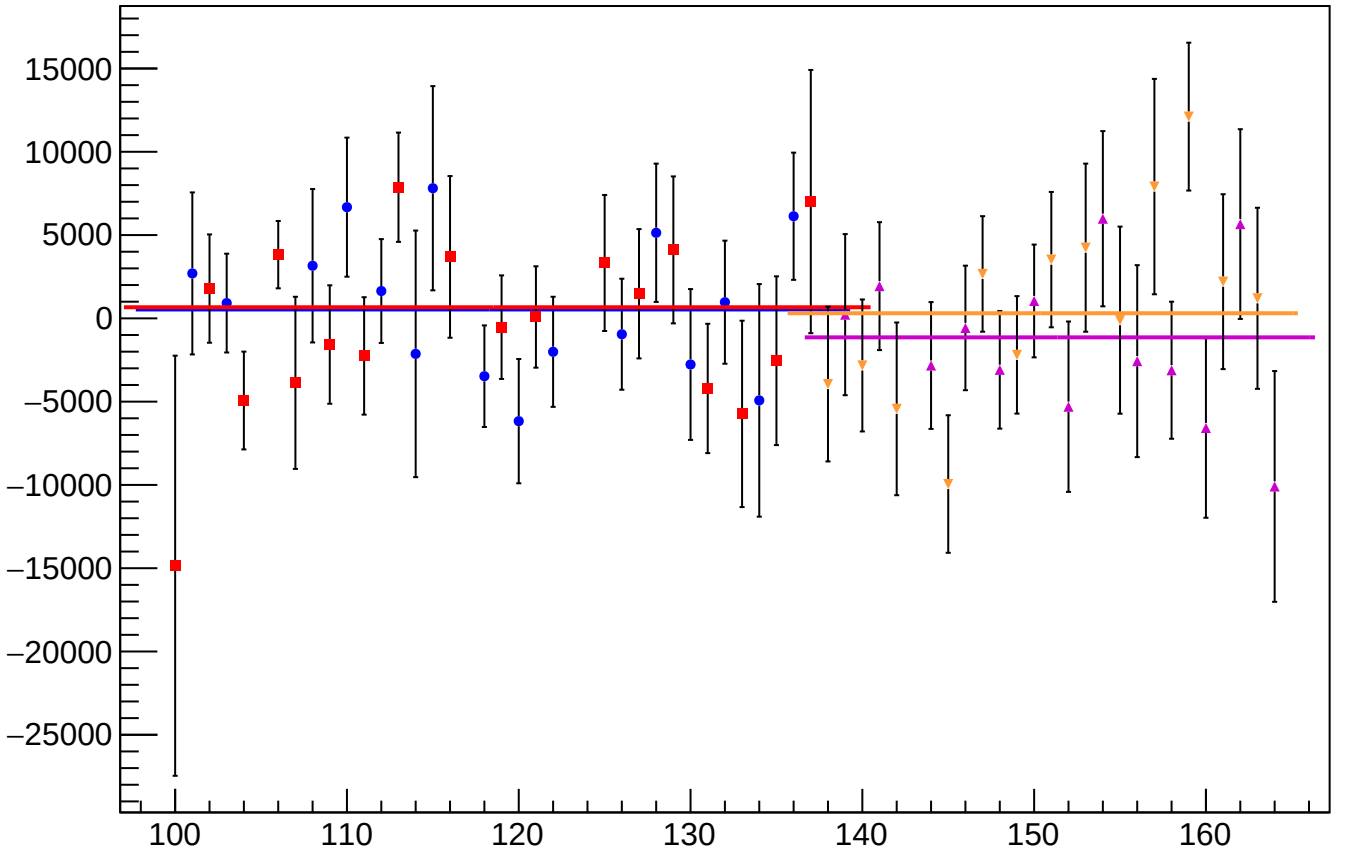
Left: 1197.684+/-0.184 χ^2/NDF: 140446.7/25

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1013.297+/-0.171 χ^2/NDF:1413451.0/28

Out: 994.081+/-0.171 χ^2/NDF:1416651.6/30

All: 1003.660+/-0.121 χ^2/NDF: 2836405.5/59



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 306.725+/-1244.393 χ^2/NDF:19.7/12

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -1141.335+/-1223.358 χ^2/NDF:8.6/12

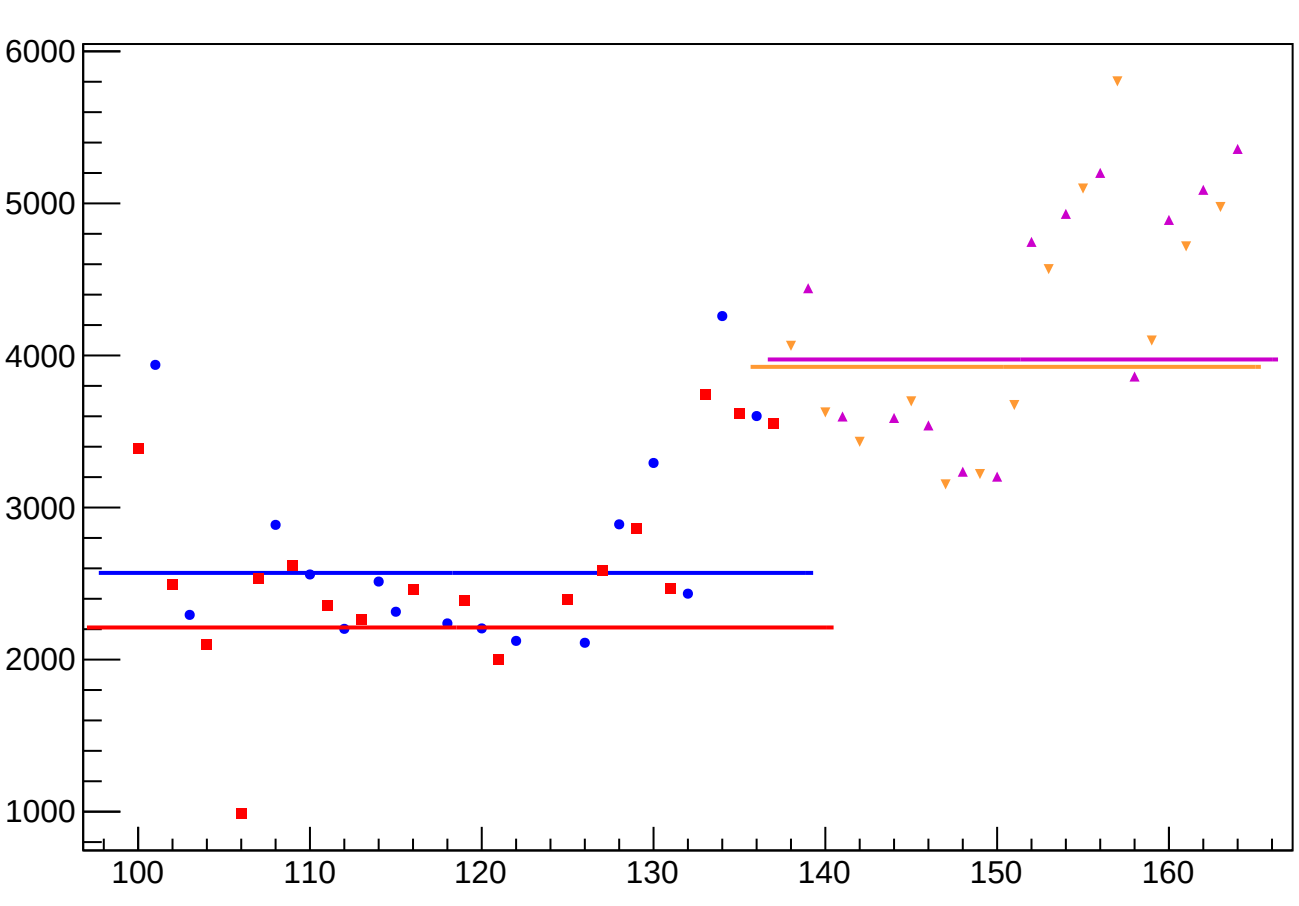
Left: -429.647+/-872.387 χ^2/NDF: 28.9/25

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: -121.600+/-765.464 χ^2/NDF:24.4/28

Out: 548.880+/-710.244 χ^2/NDF:39.7/30

All: 238.694+/-520.647 χ^2/NDF: 64.5/59



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3925.077+/-0.880 χ^2/NDF:635855.0/12

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3973.735+/-0.865 χ^2/NDF:694854.2/12

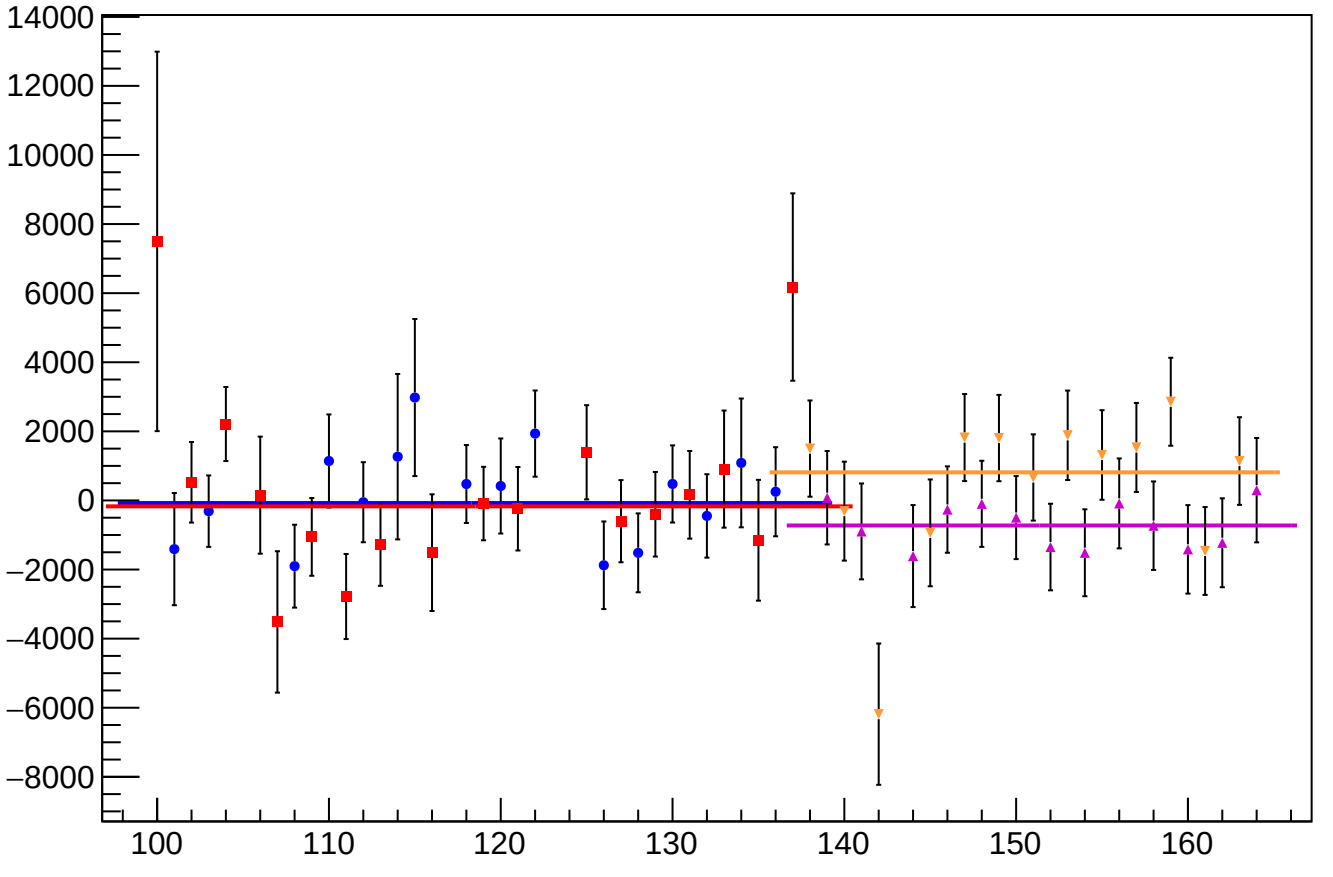
Left: 3949.821+/-0.617 χ^2/NDF: 1332264.3/25

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3119.657+/-0.541 χ^2/NDF:2959336.2/28

Out: 2769.563+/-0.502 χ^2/NDF:4457658.9/30

All: 2931.528+/-0.368 χ^2/NDF: 7641808.1/59



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 813.789+/-372.073 χ^2/NDF:22.1/12

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -724.589+/-362.236 χ^2/NDF:2.9/12

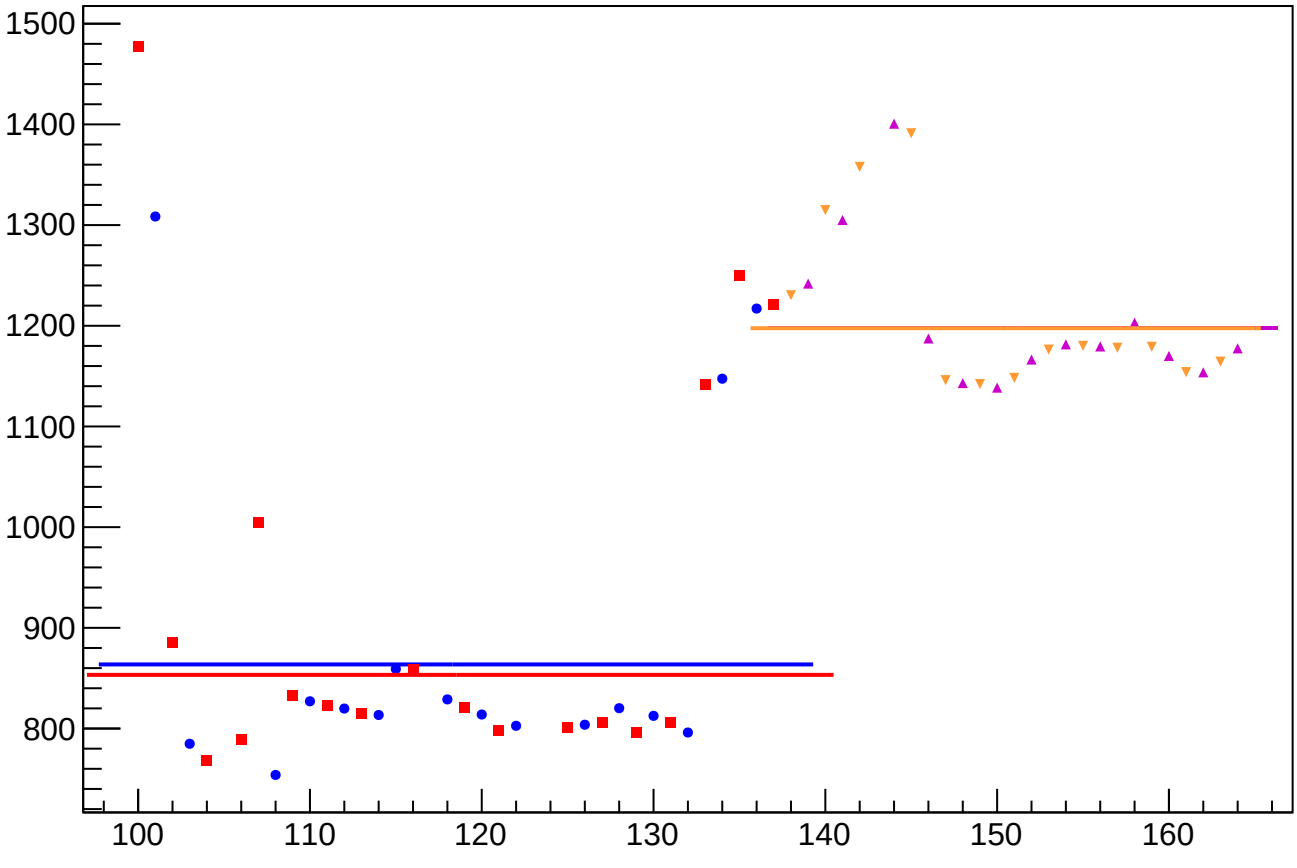
Left: 23.995+/-259.548 χ^2/NDF: 33.9/25

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -366.475+/-242.411 χ^2/NDF:18.1/28

Out: 250.475+/-243.409 χ^2/NDF:50.5/30

All: -59.268+/-171.762 χ^2/NDF: 71.8/59



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1197.571+/-0.263 χ^2/NDF:74088.0/12

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1197.790+/-0.256 χ^2/NDF:66358.3/12

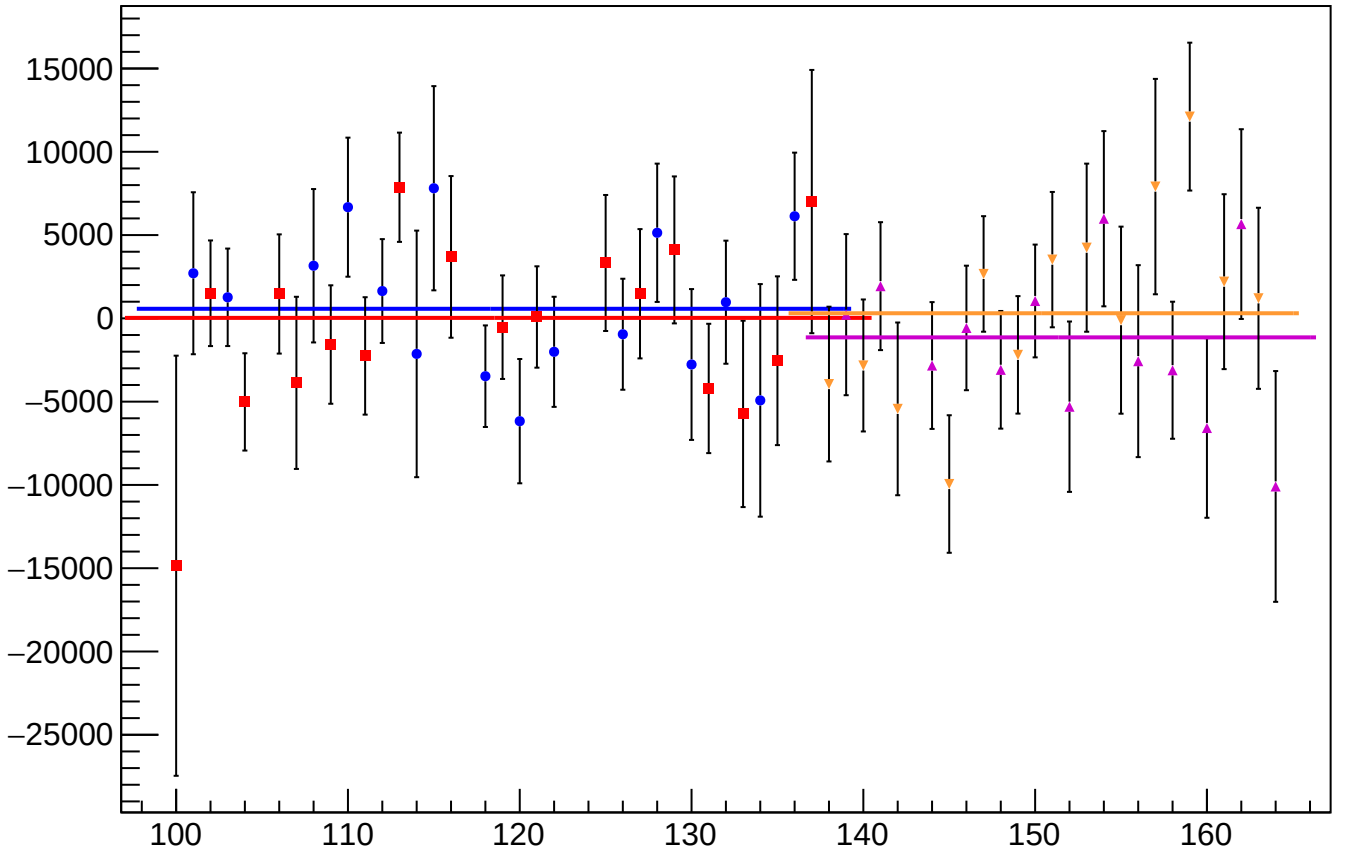
Left: 1197.684+/-0.184 χ^2/NDF: 140446.7/25

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1013.297+/-0.171 χ^2/NDF:1413451.1/28

Out: 999.761+/-0.172 χ^2/NDF:1333312.8/30

All: 1006.537+/-0.121 χ^2/NDF: 2749878.0/59



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 306.725+/-1244.392 χ^2/NDF:19.7/12

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -1141.382+/-1223.357 χ^2/NDF:8.6/12

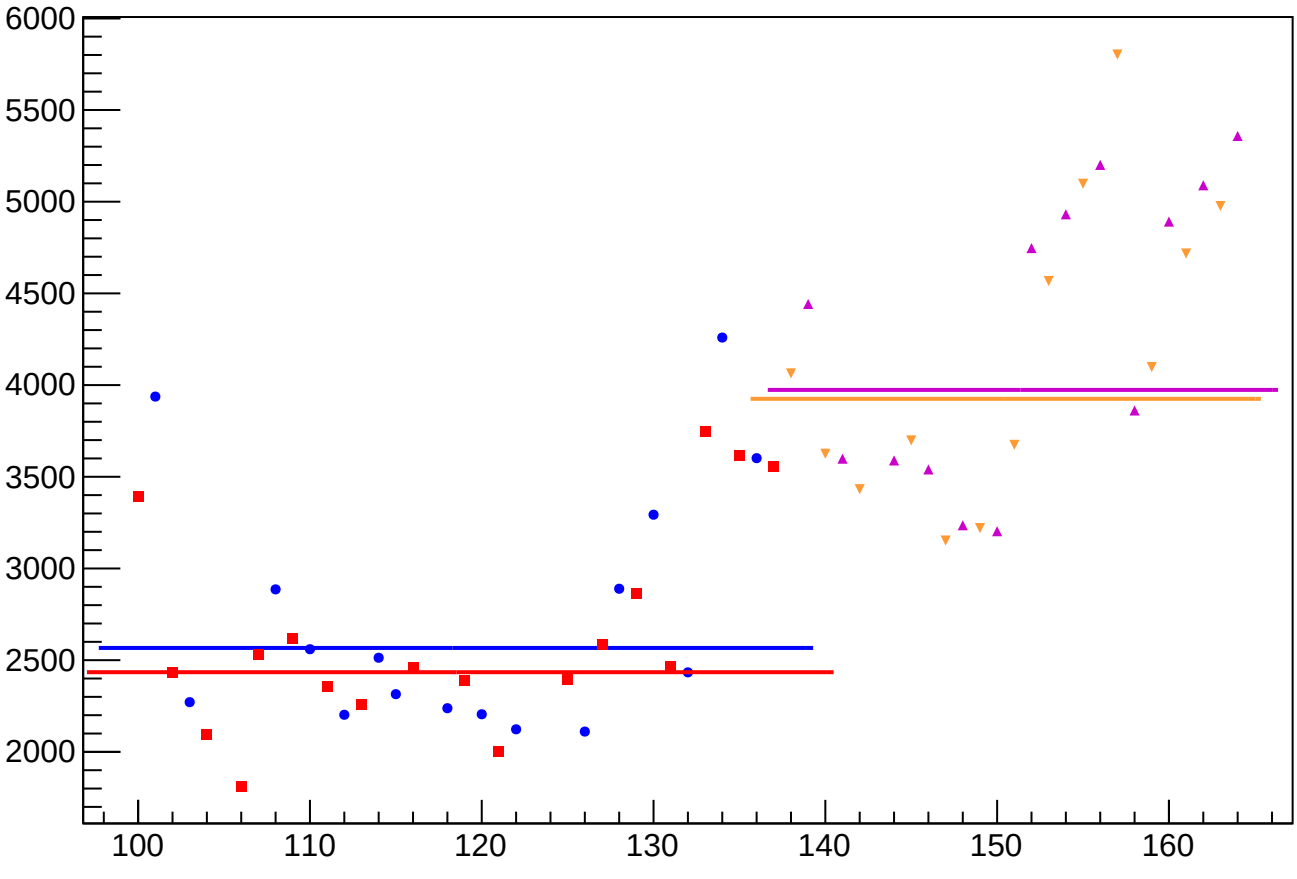
Left: -429.671+/-872.386 χ^2/NDF: 28.9/25

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: -95.806+/-764.782 χ^2/NDF:24.5/28

Out: 127.188+/-740.874 χ^2/NDF:36.9/30

All: 19.231+/-532.129 χ^2/NDF: 61.4/59



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3925.075+/-0.880 χ^2/NDF:635851.2/12

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3973.730+/-0.865 χ^2/NDF:694856.4/12

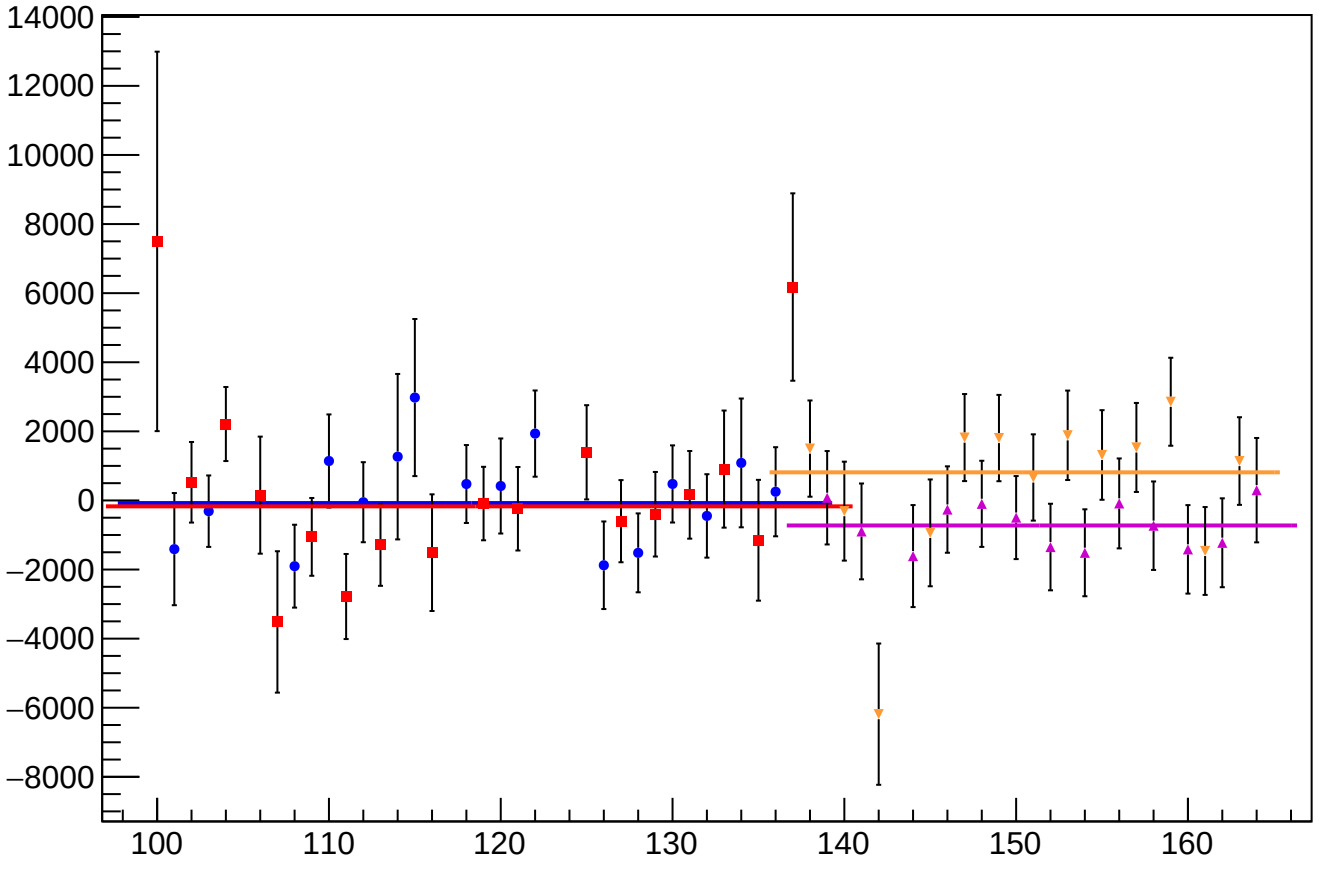
Left: 3949.817+/-0.617 χ^2/NDF: 1332262.4/25

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3116.605+/-0.541 χ^2/NDF:2972342.5/28

Out: 2962.813+/-0.524 χ^2/NDF:2922535.3/30

All: 3037.268+/-0.376 χ^2/NDF: 5936600.0/59



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 813.789+/-372.073 χ^2/NDF:22.1/12

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -724.589+/-362.236 χ^2/NDF:2.9/12

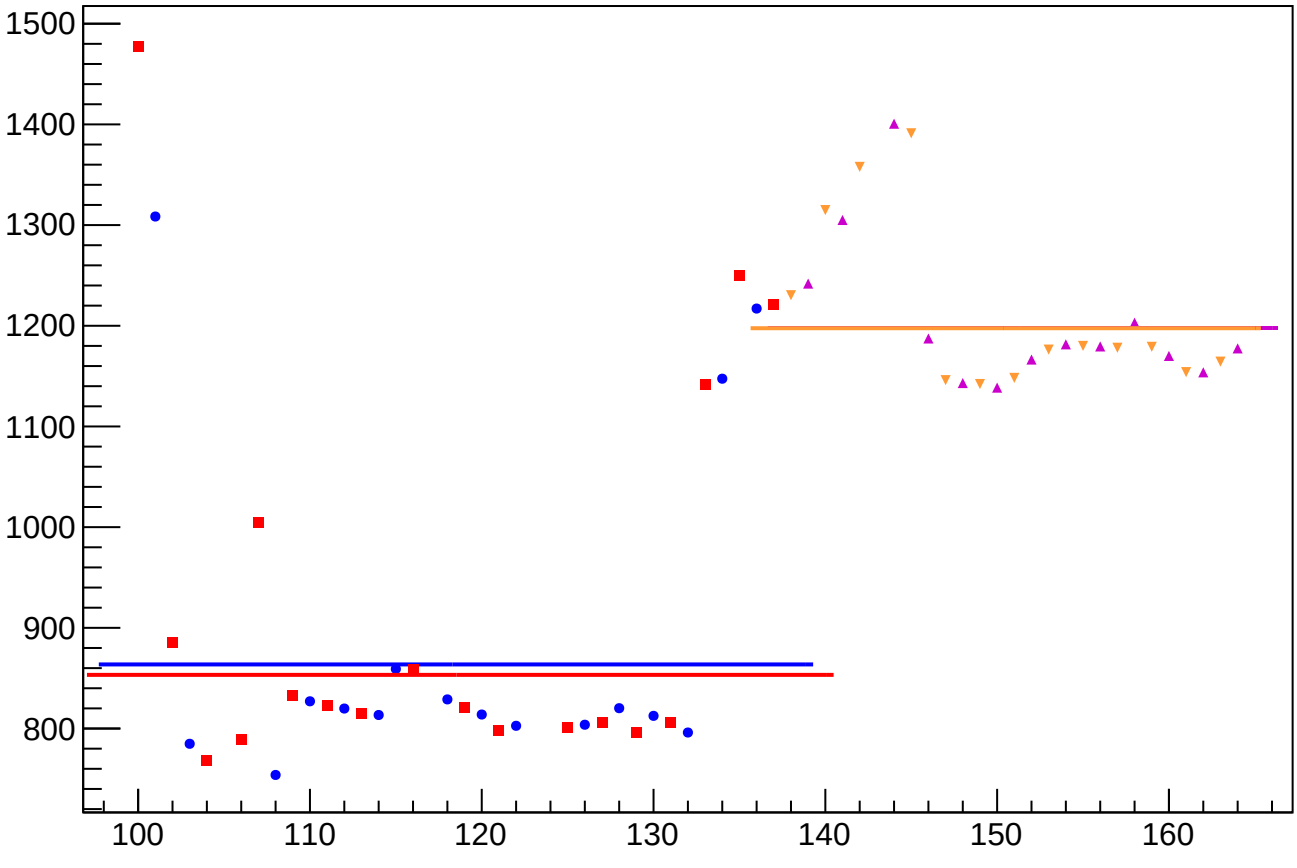
Left: 23.995+/-259.548 χ^2/NDF: 33.9/25

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -366.475+/-242.411 χ^2/NDF:18.1/28

Out: 250.475+/-243.409 χ^2/NDF:50.5/30

All: -59.268+/-171.762 χ^2/NDF: 71.8/59



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1197.571+/-0.263 χ^2/NDF:74088.0/12

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1197.790+/-0.256 χ^2/NDF:66358.3/12

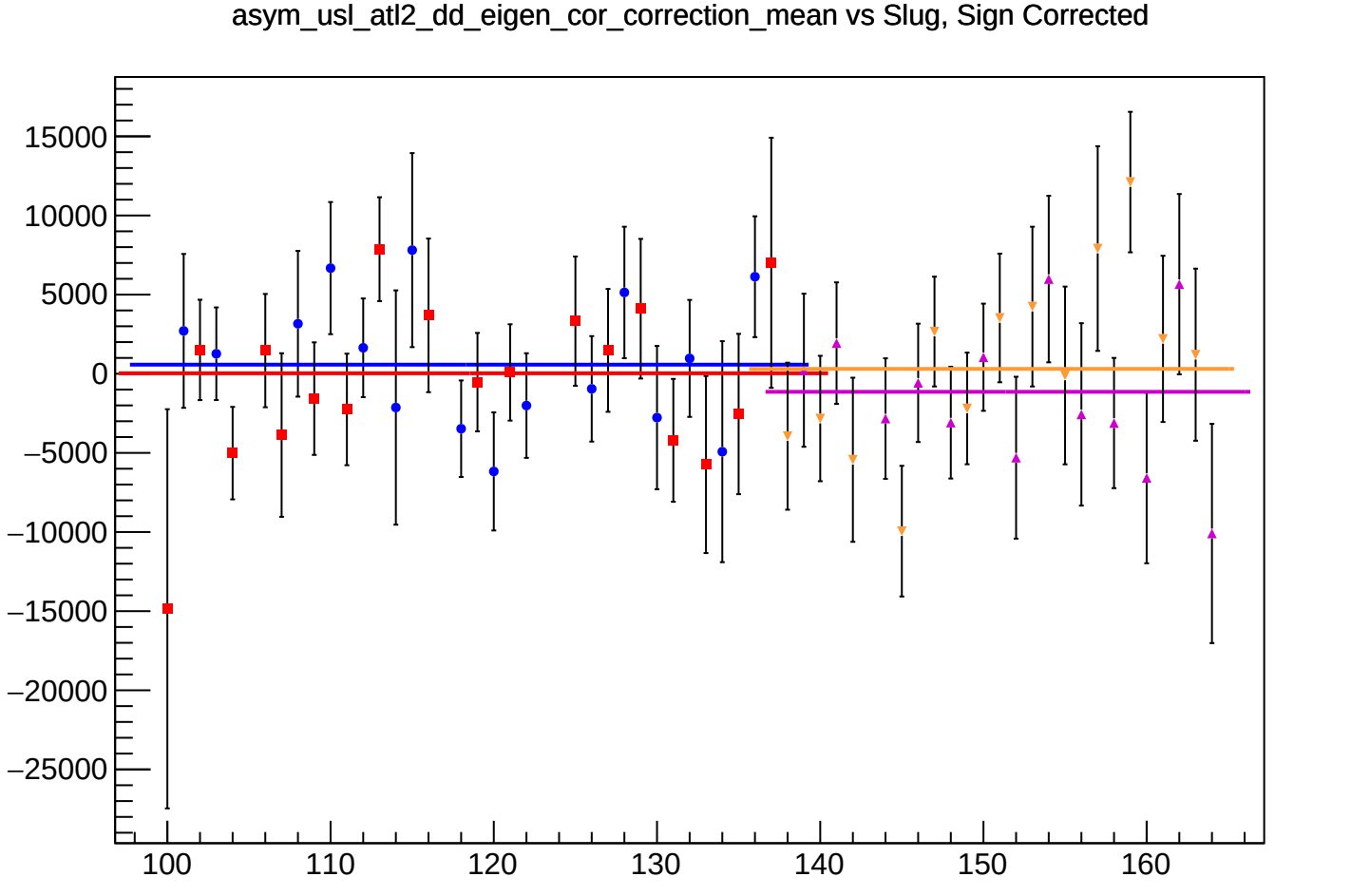
Left: 1197.684+/-0.184 χ^2/NDF: 140446.7/25

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1013.297+/-0.171 χ^2/NDF:1413451.1/28

Out: 999.761+/-0.172 χ^2/NDF:1333312.8/30

All: 1006.537+/-0.121 χ^2/NDF: 2749878.0/59



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 306.725+/-1244.392 χ^2/NDF:19.7/12

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -1141.382+/-1223.357 χ^2/NDF:8.6/12

Left: -429.671+/-872.386 χ^2/NDF: 28.9/25

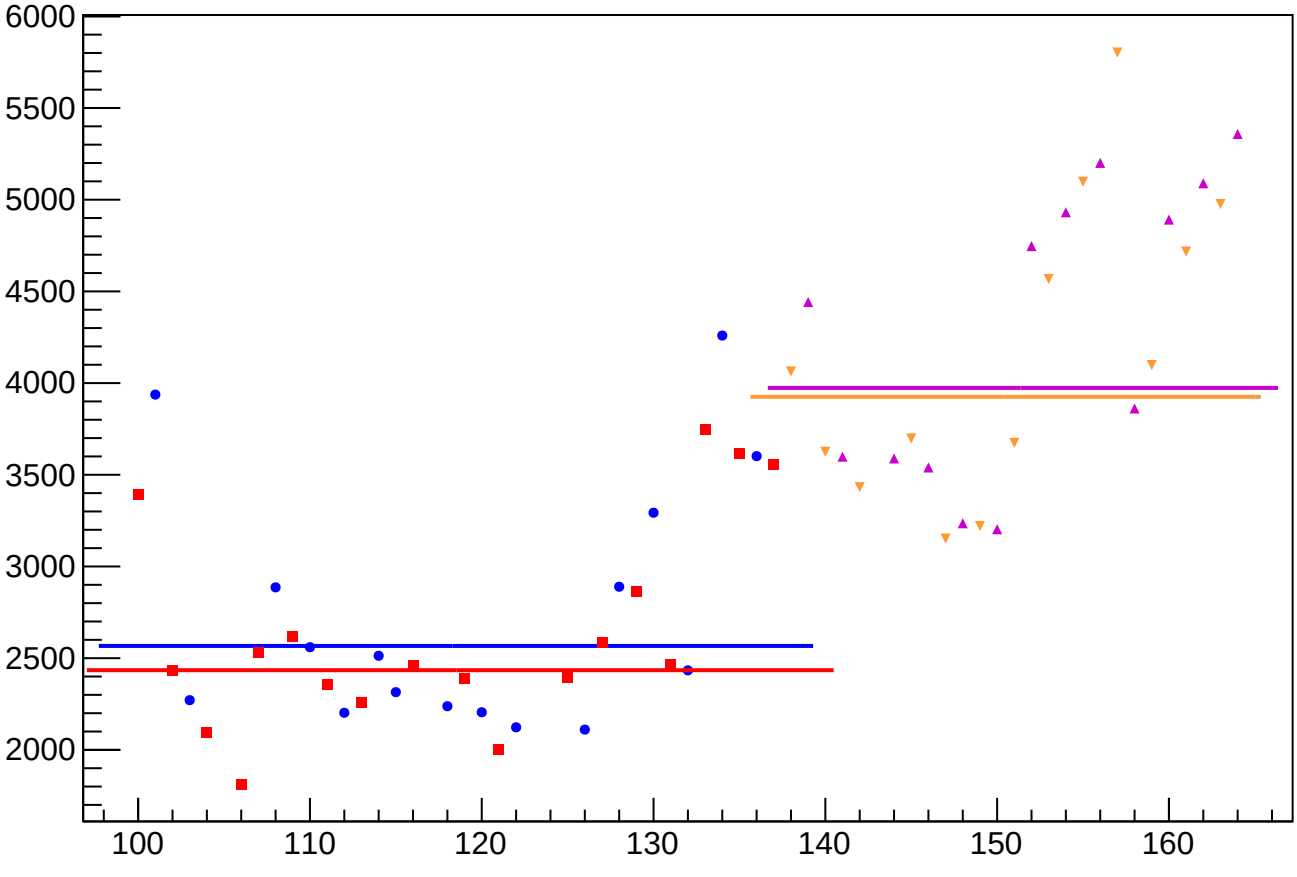
Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: -95.806+/-764.782 χ^2/NDF:24.5/28

Out: 127.188+/-740.874 χ^2/NDF:36.9/30

All: 19.231+/-532.129 χ^2/NDF: 61.4/59

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3925.075+/-0.880 χ^2/NDF:635851.2/12

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3973.730+/-0.865 χ^2/NDF:694856.4/12

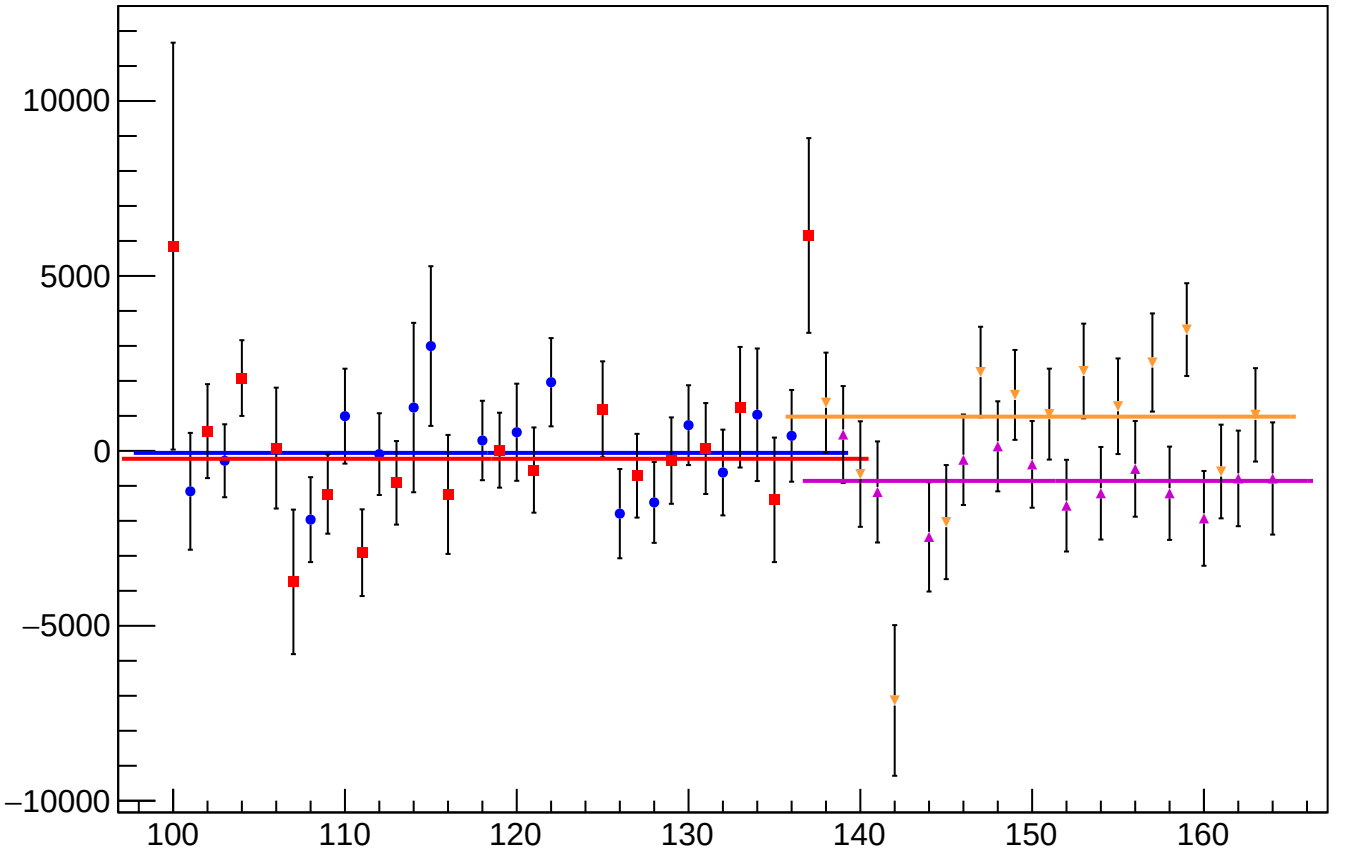
Left: 3949.817+/-0.617 χ^2/NDF: 1332262.4/25

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3116.605+/-0.541 χ^2/NDF:2972342.5/28

Out: 2962.813+/-0.524 χ^2/NDF:2922535.3/30

All: 3037.268+/-0.376 χ^2/NDF: 5936600.0/59



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 978.219+/-389.453 χ^2/NDF:27.2/12

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -857.561+/-378.346 χ^2/NDF:4.1/12

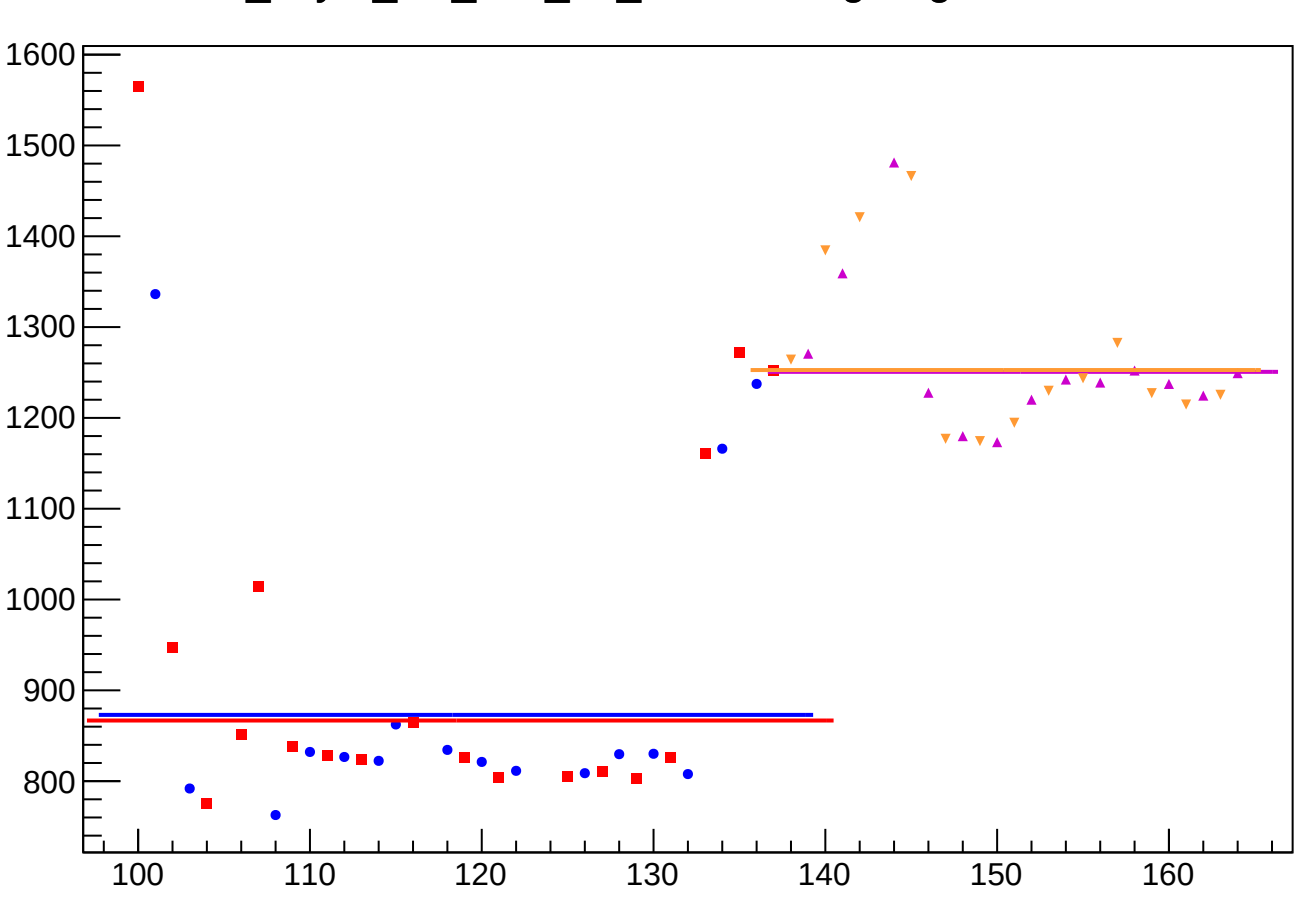
Left: 33.779+/-271.373 χ^2/NDF: 42.7/25

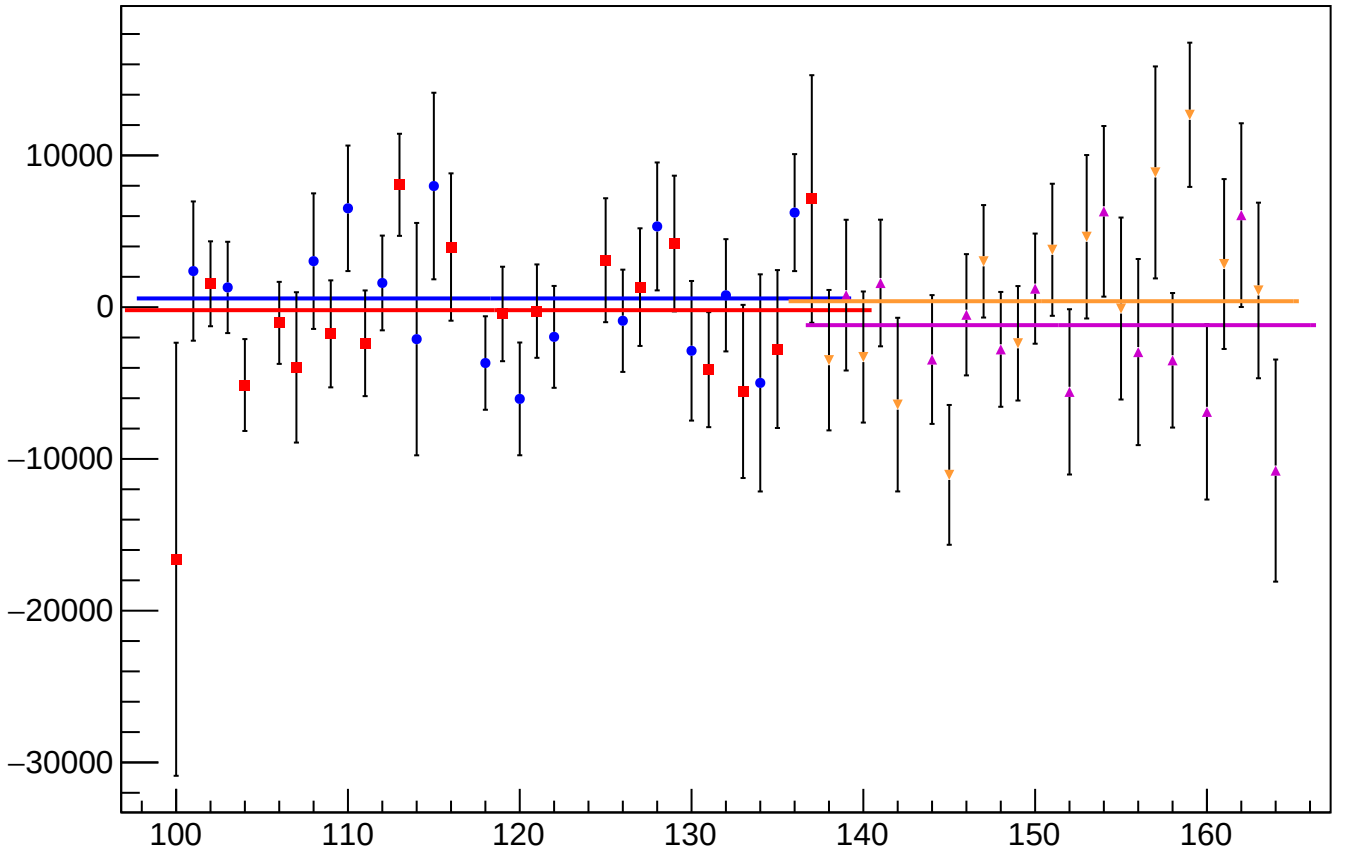
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -403.117+/-248.730 χ^2/NDF:19.6/28

Out: 273.793+/-250.909 χ^2/NDF:55.7/30

All: -67.613+/-176.644 χ^2/NDF: 79.0/59


dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected
1600
1500
1400
1300
1200
1100
1000
900
800
100
110
120
130
140
150
160
Right In: 872.971+/-0.233 χ²/NDF: 417099.2/15
Left Out: 1252.699+/-0.275 χ²/NDF:84952.8/12
Right Out: 866.772+/-0.232 χ²/NDF: 290386.4/17
Left In: 1250.717+/-0.268 χ²/NDF:72058.5/12
Left: 1251.679+/-0.192 χ²/NDF: 157038.0/25
Right: 869.850+/-0.164 χ²/NDF: 707840.8/33
In: 1036.231+/-0.176 χ²/NDF:1621163.9/28
Out: 1026.774+/-0.177 χ²/NDF:1525052.3/30
All: 1031.541+/-0.125 χ²/NDF: 3147650.1/59



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 392.171+/-1332.993 χ^2/NDF:19.7/12

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -1184.962+/-1312.269 χ^2/NDF:8.4/12

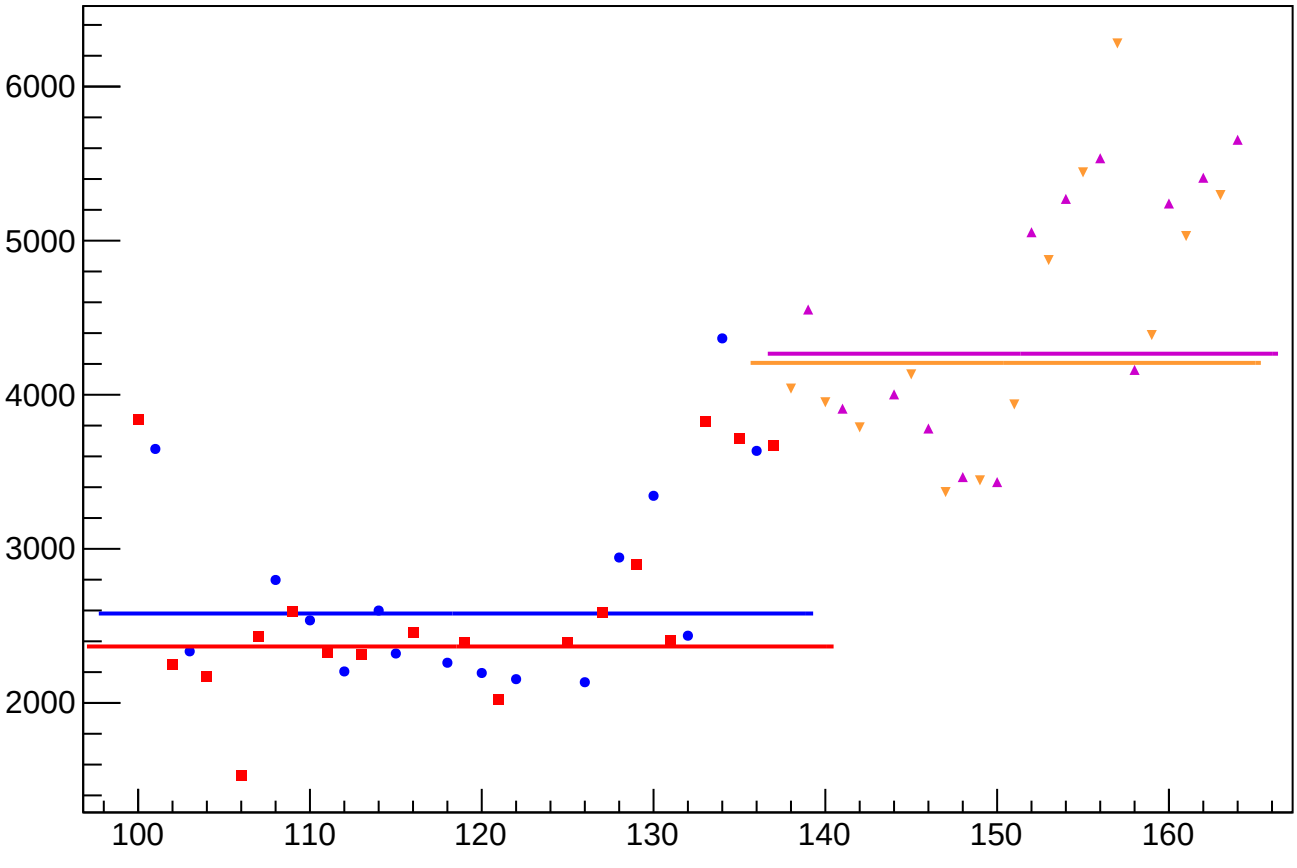
Left: -408.750+/-935.155 χ^2/NDF: 28.8/25

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: -58.978+/-787.713 χ^2/NDF:24.3/28

Out: -14.833+/-742.547 χ^2/NDF:37.0/30

All: -35.604+/-540.322 χ^2/NDF: 61.3/59



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4206.832+/-0.943 χ^2/NDF:621559.0/12

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4266.370+/-0.928 χ^2/NDF:646015.3/12

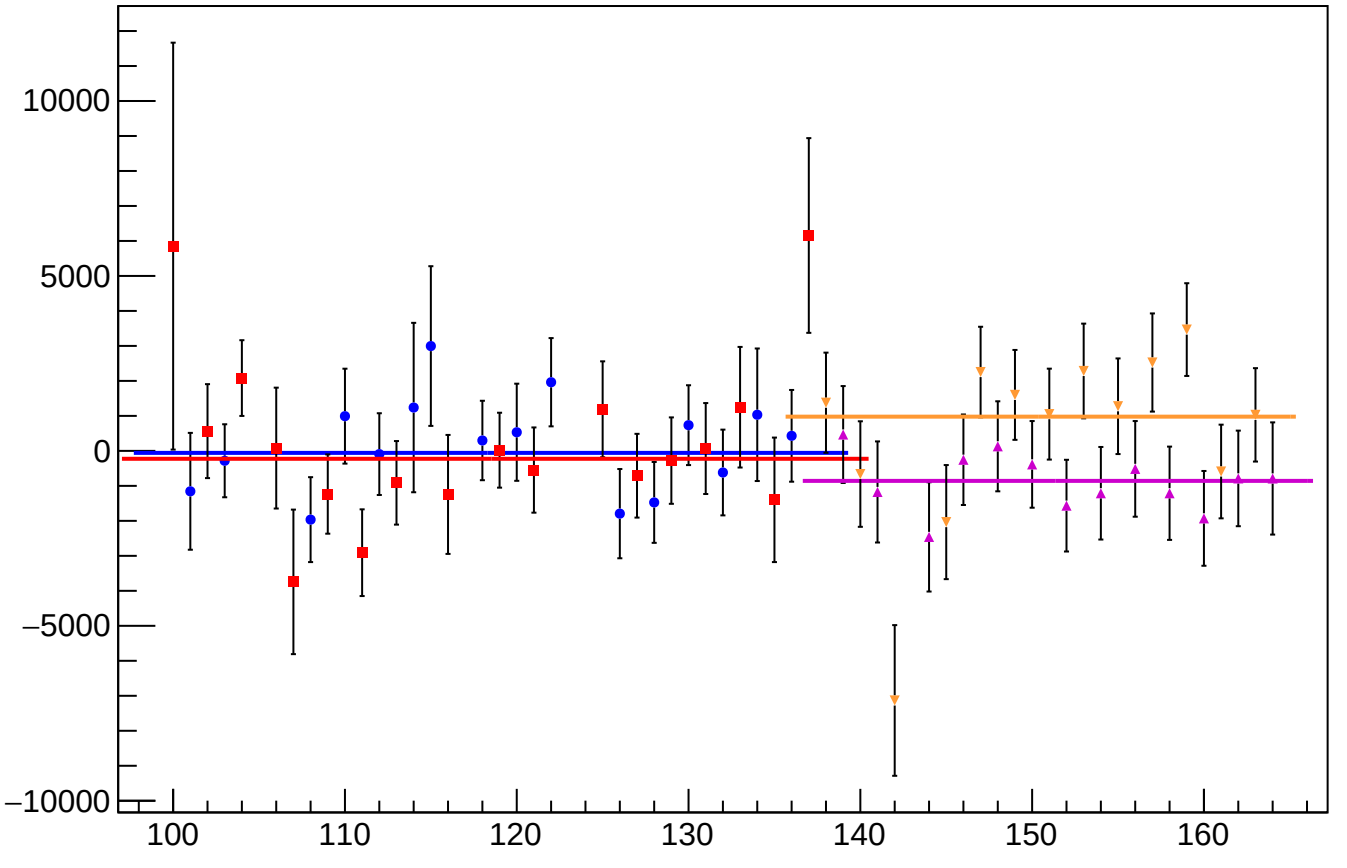
Left: 4237.068+/-0.661 χ^2/NDF: 1269600.6/25

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3187.876+/-0.557 χ^2/NDF:3374996.8/28

Out: 2937.509+/-0.525 χ^2/NDF:3862697.2/30

All: 3055.309+/-0.382 χ^2/NDF: 7344675.1/59



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 978.221+/-389.453 χ^2/NDF:27.2/12

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -857.561+/-378.346 χ^2/NDF:4.1/12

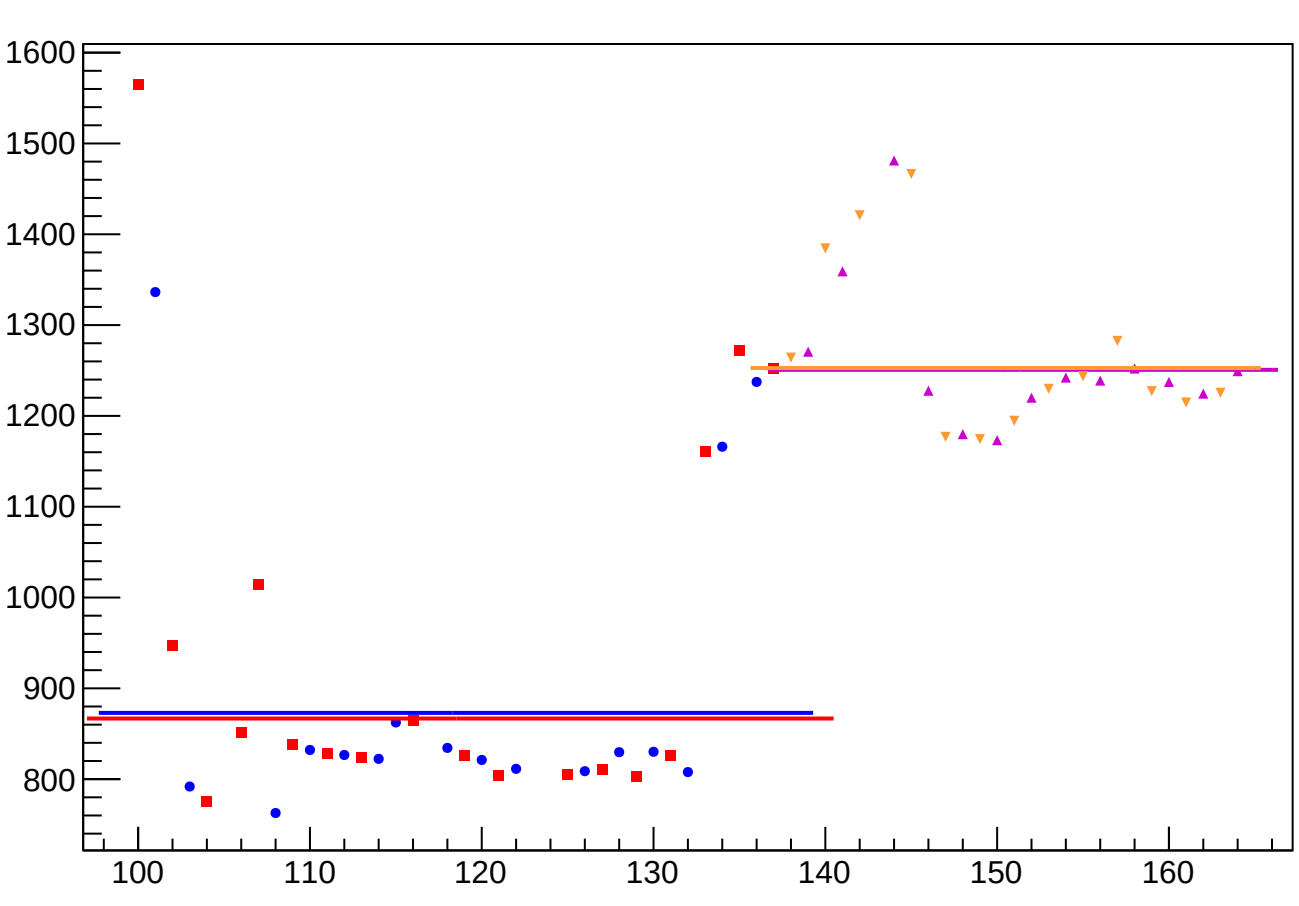
Left: 33.779+/-271.373 χ^2/NDF: 42.7/25

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -403.118+/-248.731 χ^2/NDF:19.6/28

Out: 273.791+/-250.909 χ^2/NDF:55.7/30

All: -67.615+/-176.644 χ^2/NDF: 79.0/59



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1252.700+/-0.275 χ^2/NDF:84954.2/12

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1250.718+/-0.268 χ^2/NDF:72059.2/12

Left: 1251.681+/-0.192 χ^2/NDF: 157040.0/25

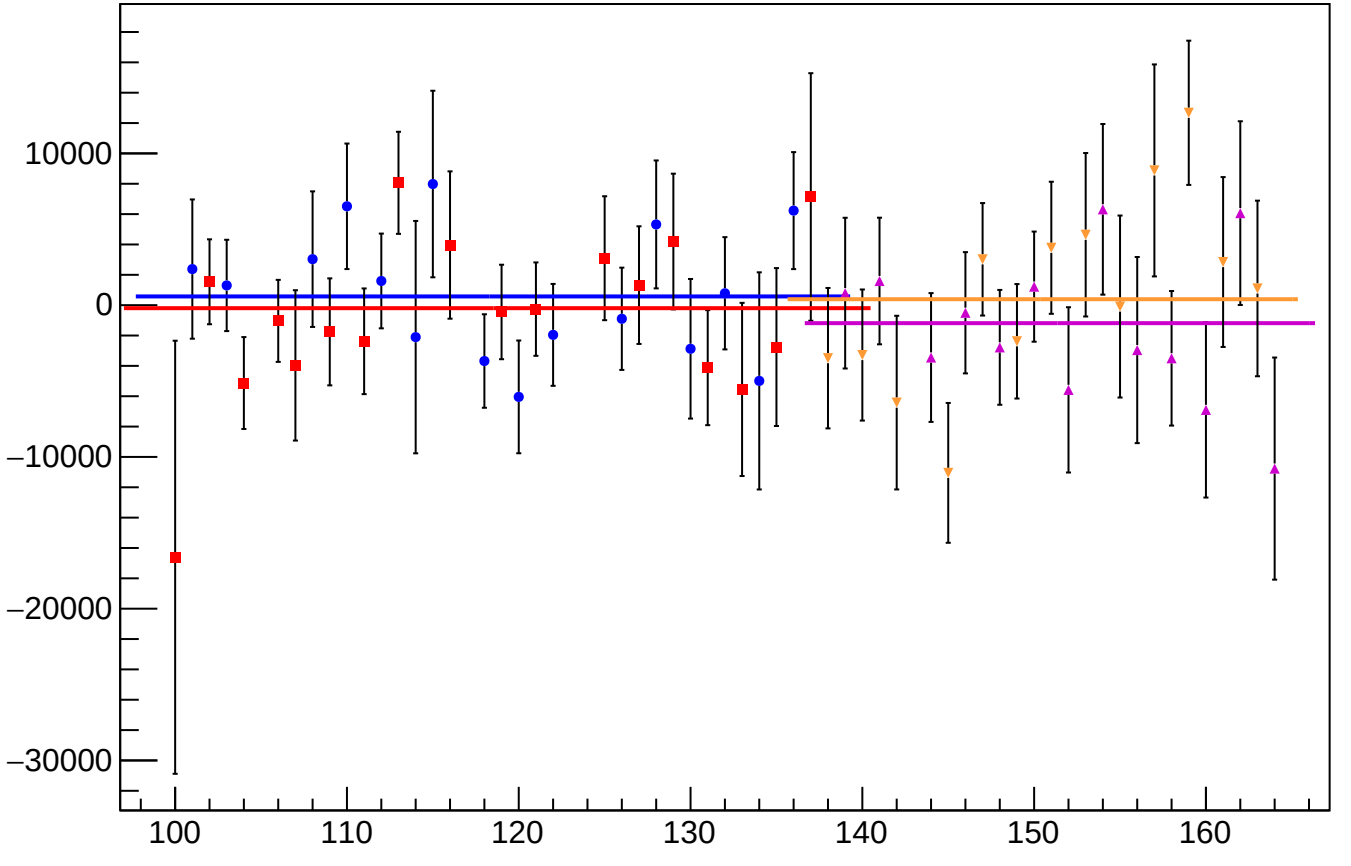
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1036.232+/-0.176 χ^2/NDF:1621171.0/28

Out: 1026.774+/-0.177 χ^2/NDF:1525060.6/30

All: 1031.541+/-0.125 χ^2/NDF: 3147665.5/59

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 392.173+/-1332.994 χ^2/NDF:19.7/12

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -1184.962+/-1312.271 χ^2/NDF:8.4/12

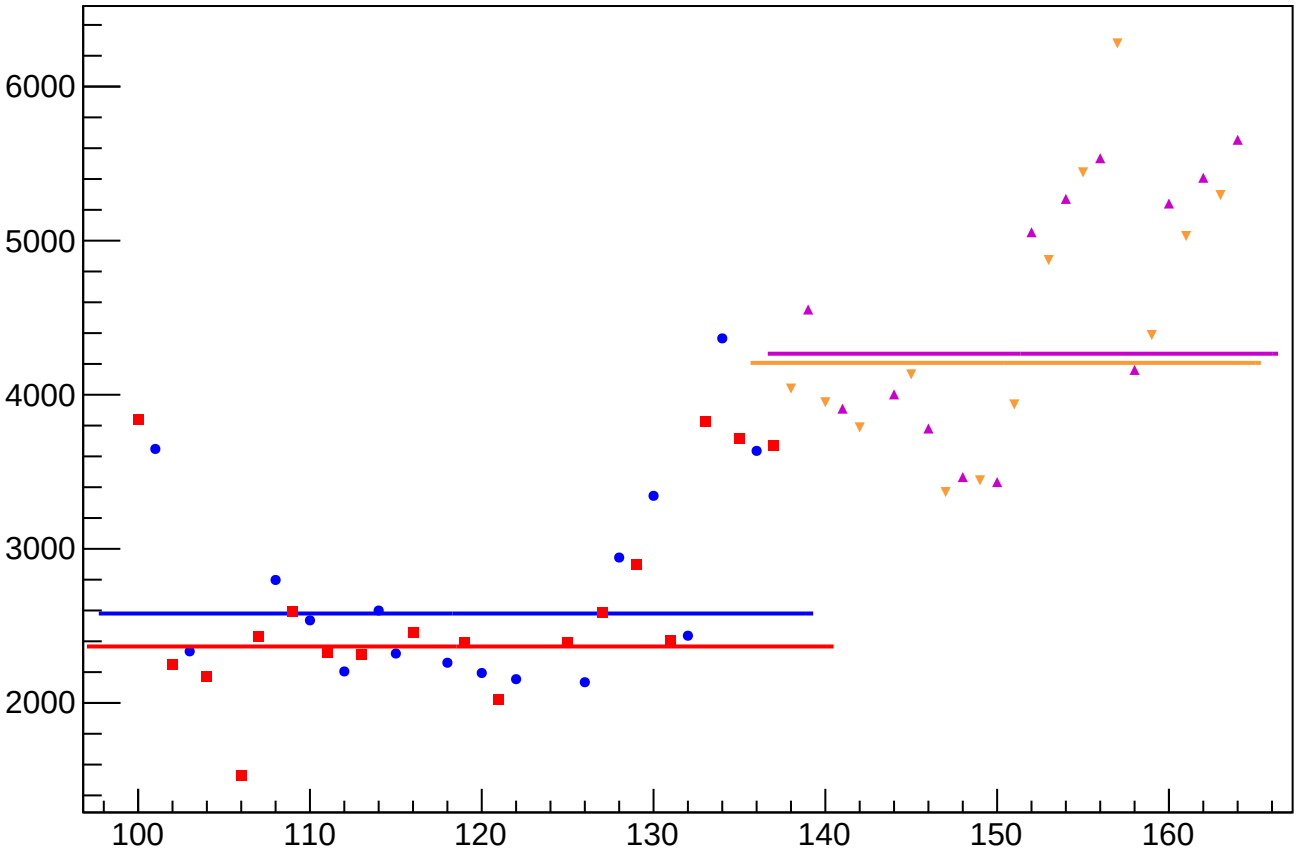
Left: -408.749+/-935.156 χ^2/NDF: 28.8/25

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: -58.978+/-787.712 χ^2/NDF:24.3/28

Out: -14.835+/-742.546 χ^2/NDF:37.0/30

All: -35.604+/-540.321 χ^2/NDF: 61.3/59



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4206.838+/-0.943 χ^2/NDF:621561.7/12

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4266.376+/-0.928 χ^2/NDF:646019.3/12

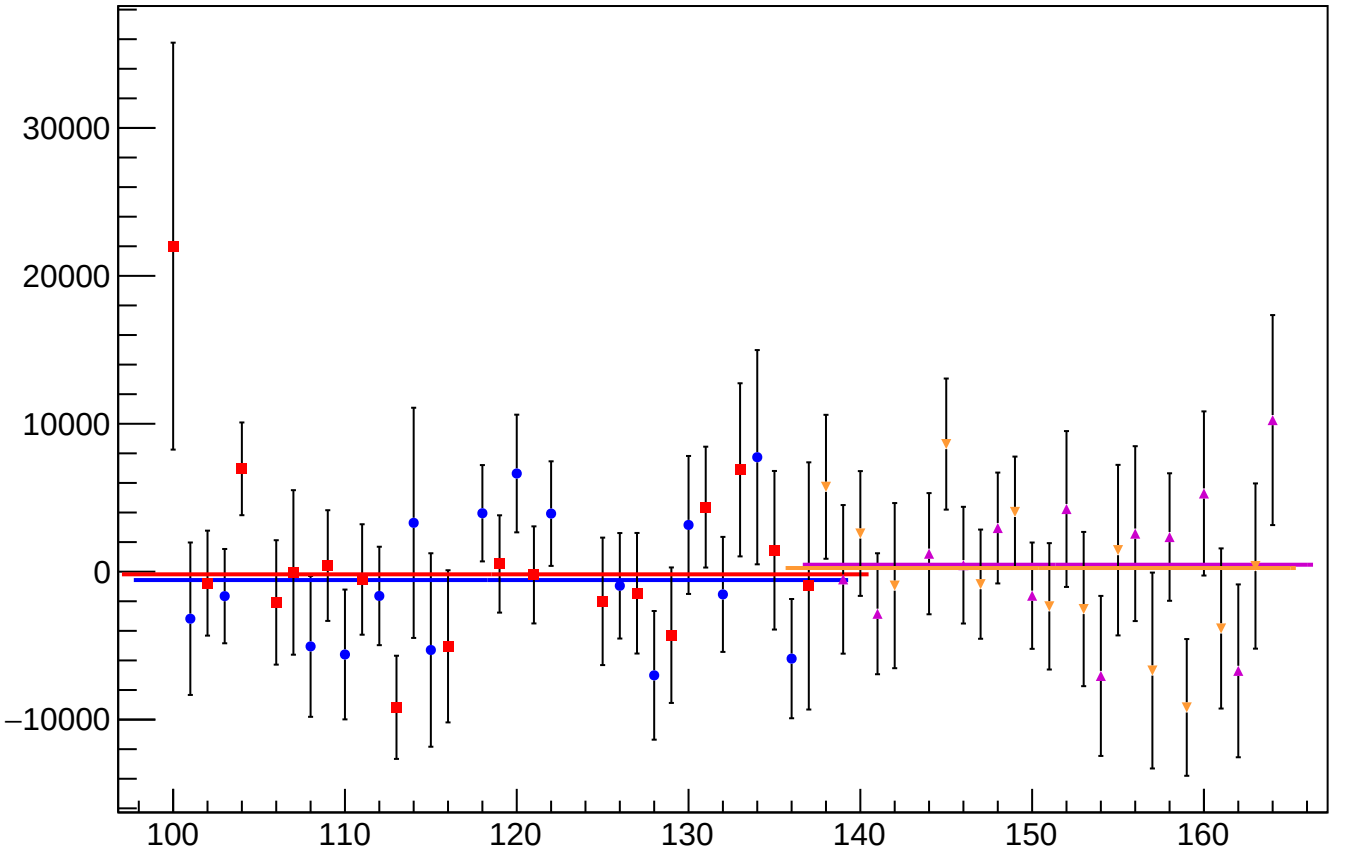
Left: 4237.073+/-0.661 χ^2/NDF: 1269607.2/25

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3187.869+/-0.557 χ^2/NDF:3375043.1/28

Out: 2937.503+/-0.525 χ^2/NDF:3862738.6/30

All: 3055.303+/-0.382 χ^2/NDF: 7344762.5/59



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 248.127+/-1308.971 χ^2/NDF:12.8/12

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: 470.301+/-1284.502 χ^2/NDF:8.4/12

Left: 361.310+/-916.809 χ^2/NDF: 21.3/25

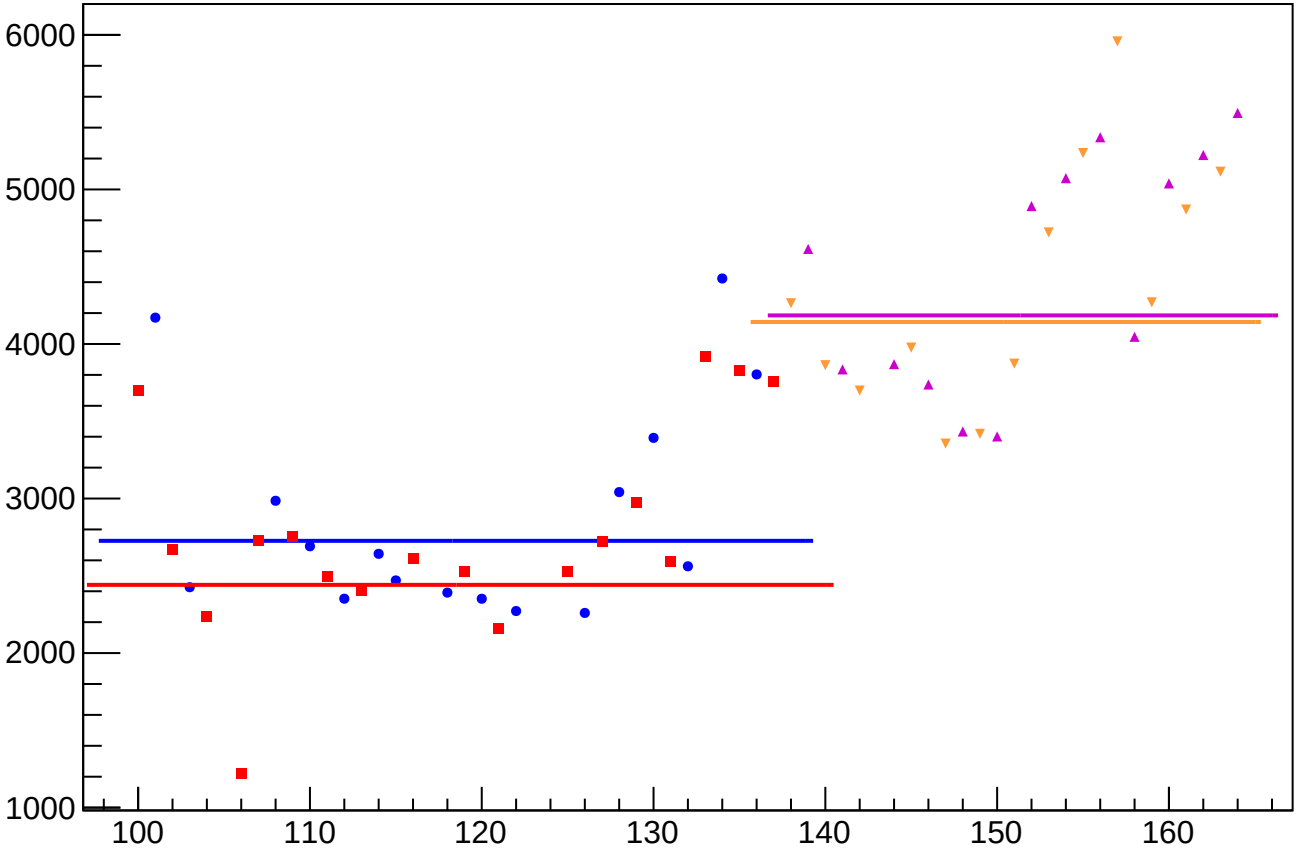
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -155.568+/-808.431 χ^2/NDF:25.0/28

Out: -23.637+/-788.782 χ^2/NDF:32.4/30

All: -87.980+/-564.572 χ^2/NDF: 57.5/59

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4142.539+/-0.926 χ^2/NDF:544262.1/12

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4184.940+/-0.908 χ^2/NDF:588754.1/12

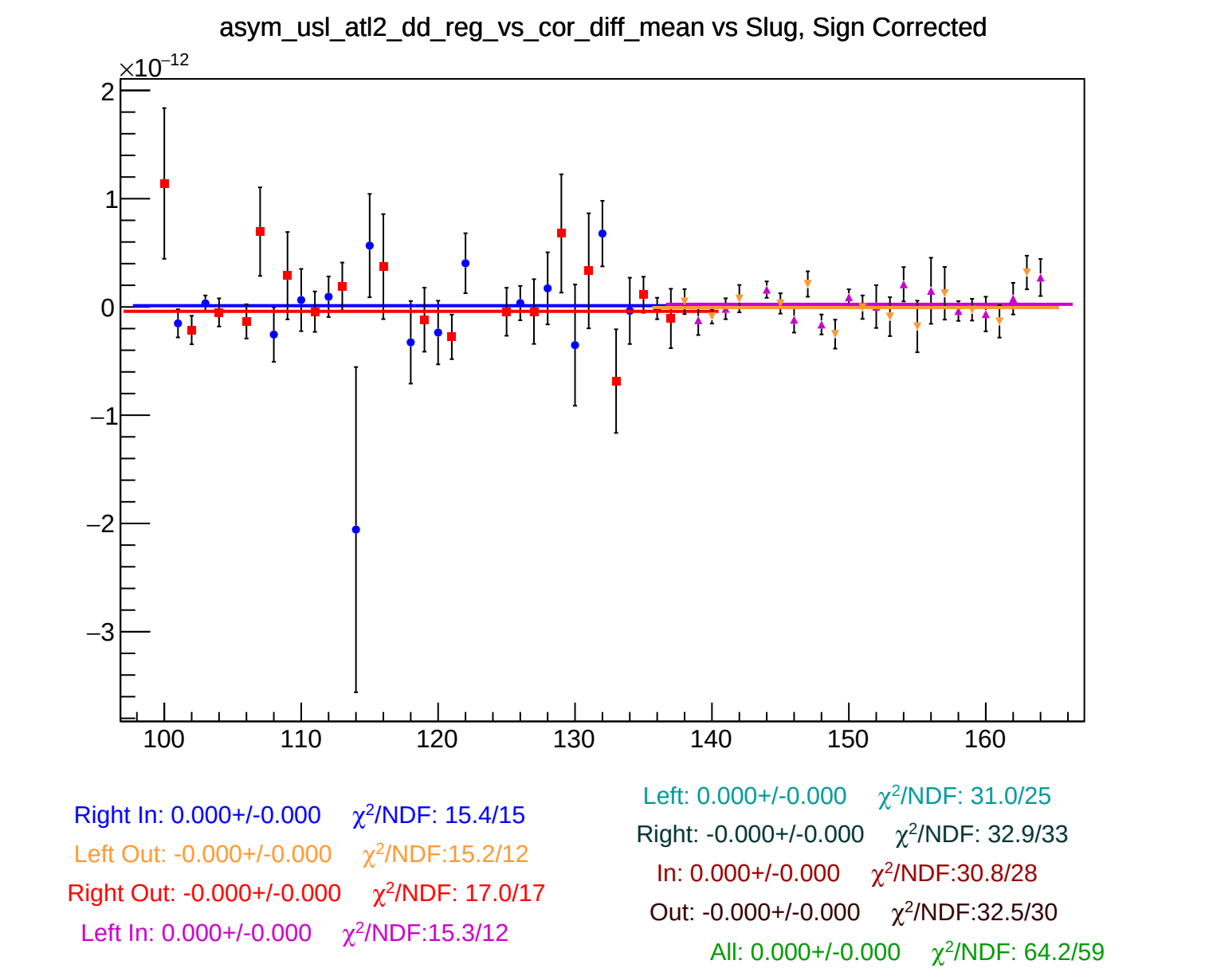
Left: 4164.140+/-0.648 χ^2/NDF: 1134085.4/25

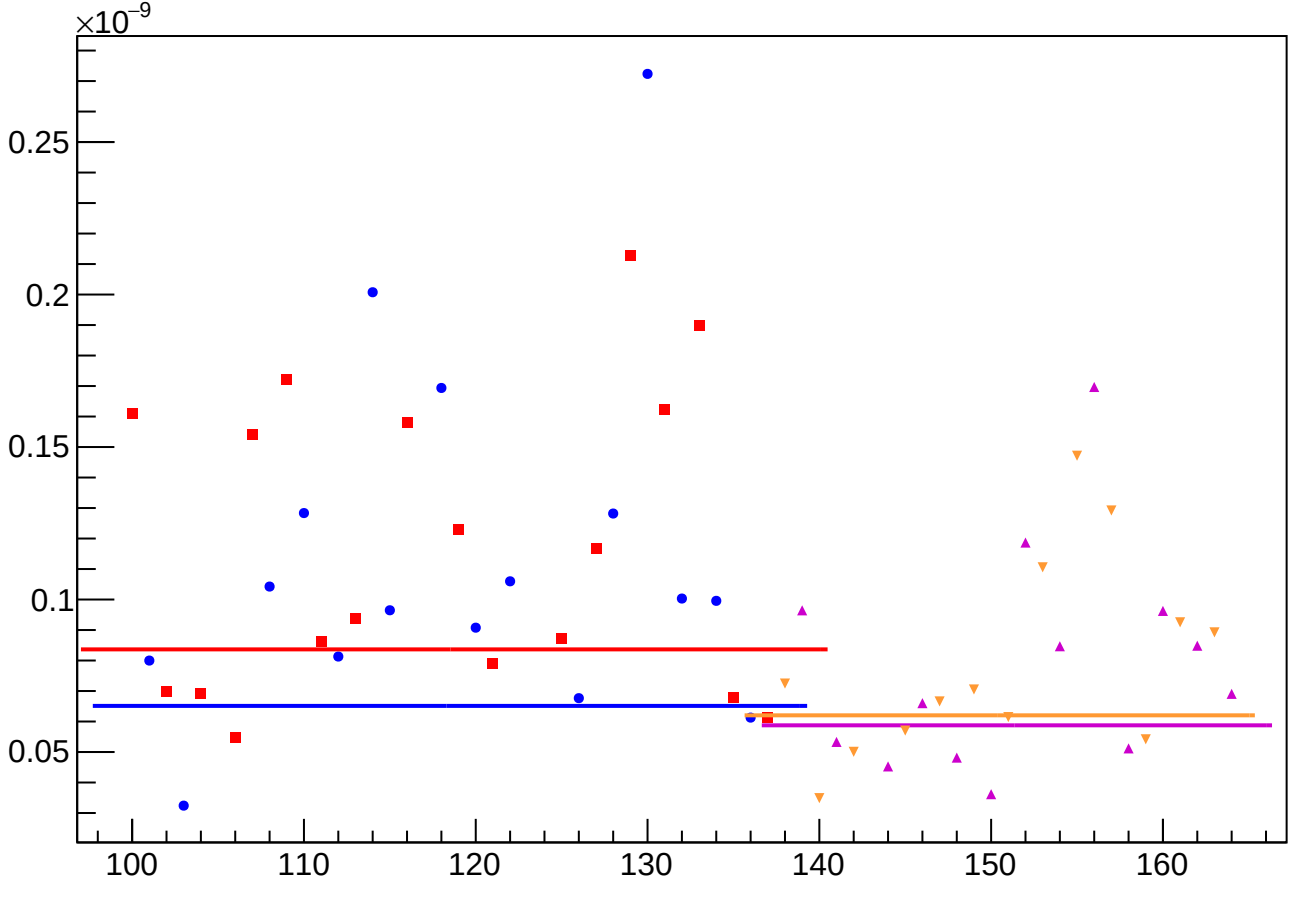
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3304.041+/-0.572 χ^2/NDF:2769433.3/28

Out: 3022.763+/-0.541 χ^2/NDF:3658959.0/30

All: 3155.687+/-0.393 χ^2/NDF: 6556088.7/59


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
160
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:15.2/12
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:15.3/12
Left: 0.000+/-0.000 χ²/NDF: 31.0/25
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:30.8/28
Out: -0.000+/-0.000 χ²/NDF:32.5/30
All: 0.000+/-0.000 χ²/NDF: 64.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1090490.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1141369.5/12

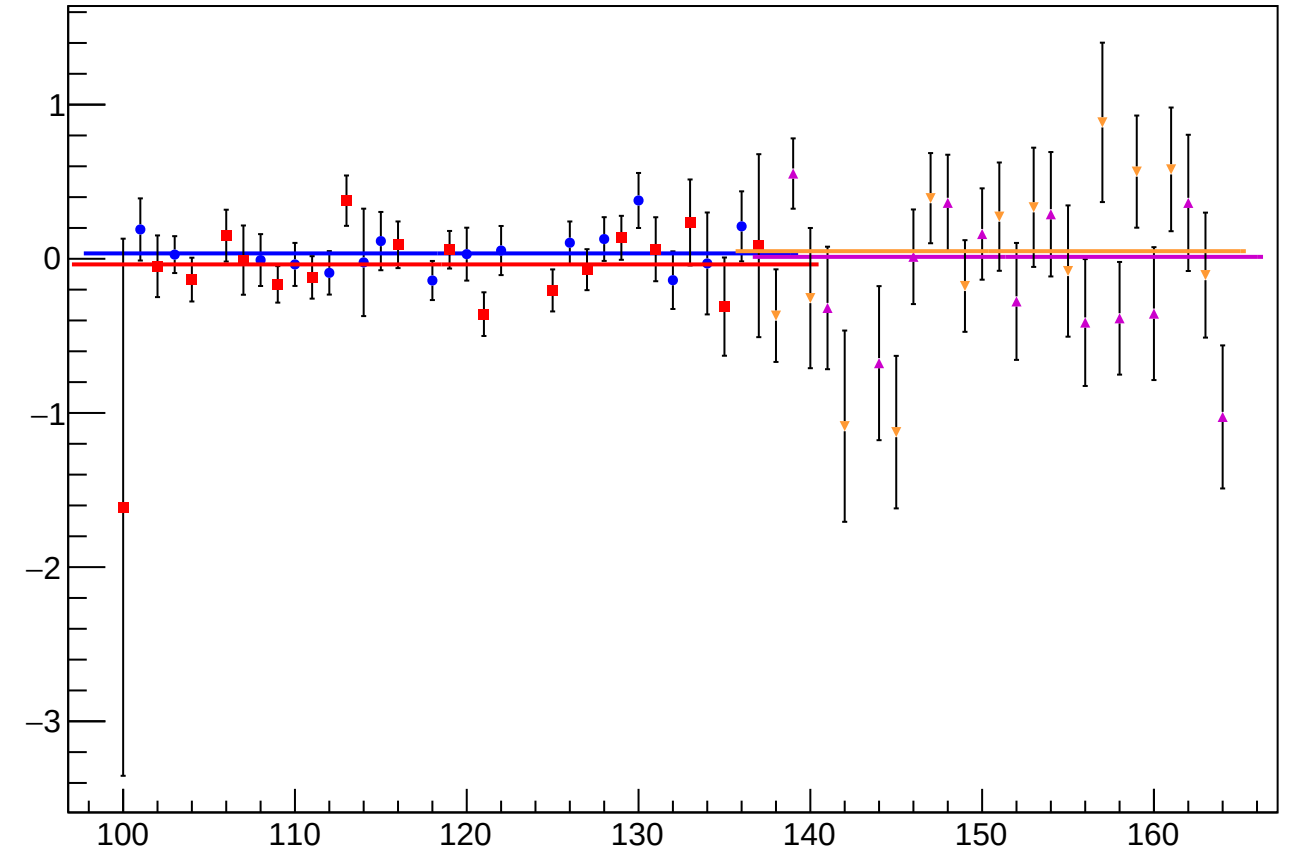
Left: 0.000+/-0.000 χ^2/NDF: 2242384.7/25

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2391811.7/28

Out: 0.000+/-0.000 χ^2/NDF:2021128.9/30

All: 0.000+/-0.000 χ^2/NDF: 4482583.2/59



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.049+/-0.106 χ^2/NDF:20.9/12

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.013+/-0.098 χ^2/NDF:19.4/12

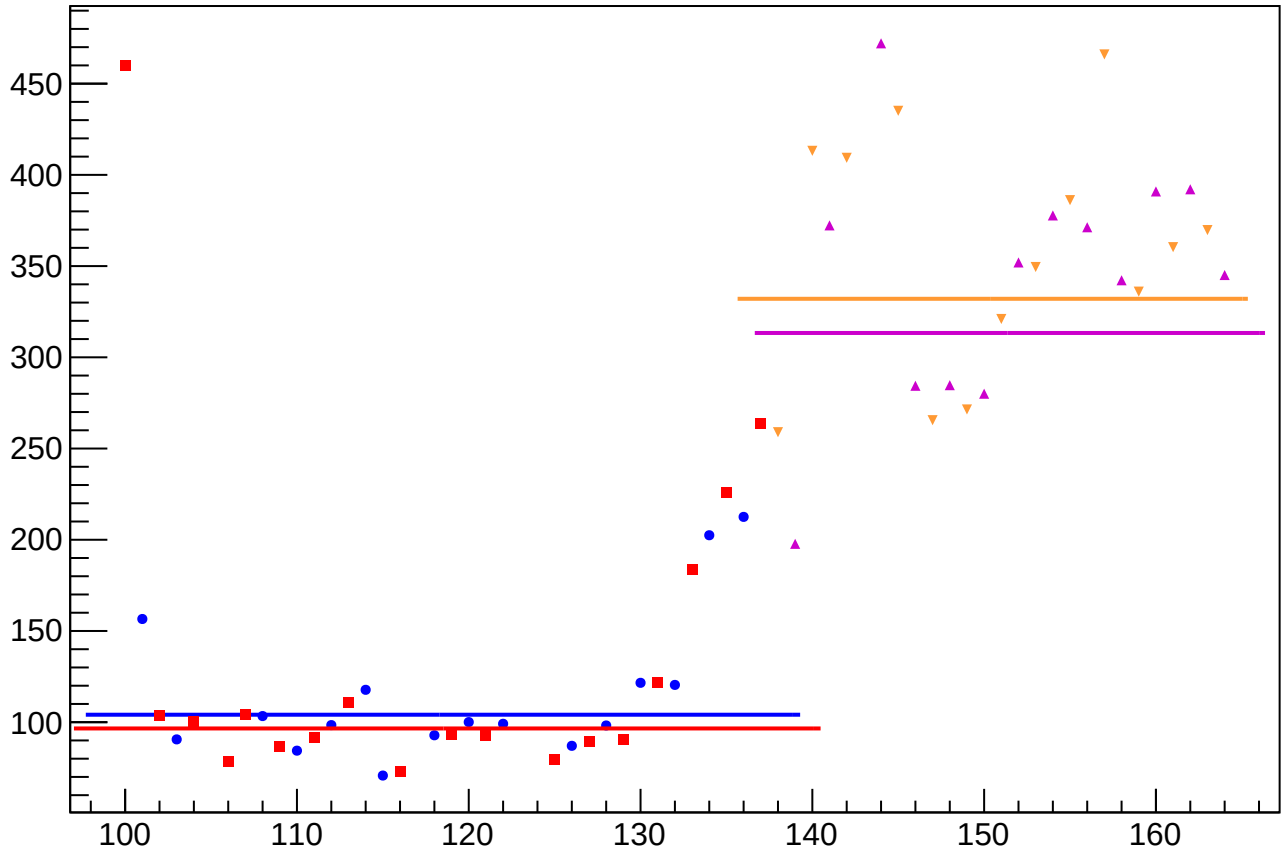
Left: 0.030+/-0.072 χ^2/NDF: 40.3/25

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.032+/-0.038 χ^2/NDF:29.2/28

Out: -0.026+/-0.037 χ^2/NDF:43.5/30

All: 0.002+/-0.026 χ^2/NDF: 73.9/59



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 332.076+/-0.075 χ^2/NDF:686723.1/12

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 313.342+/-0.070 χ^2/NDF:1080793.8/12

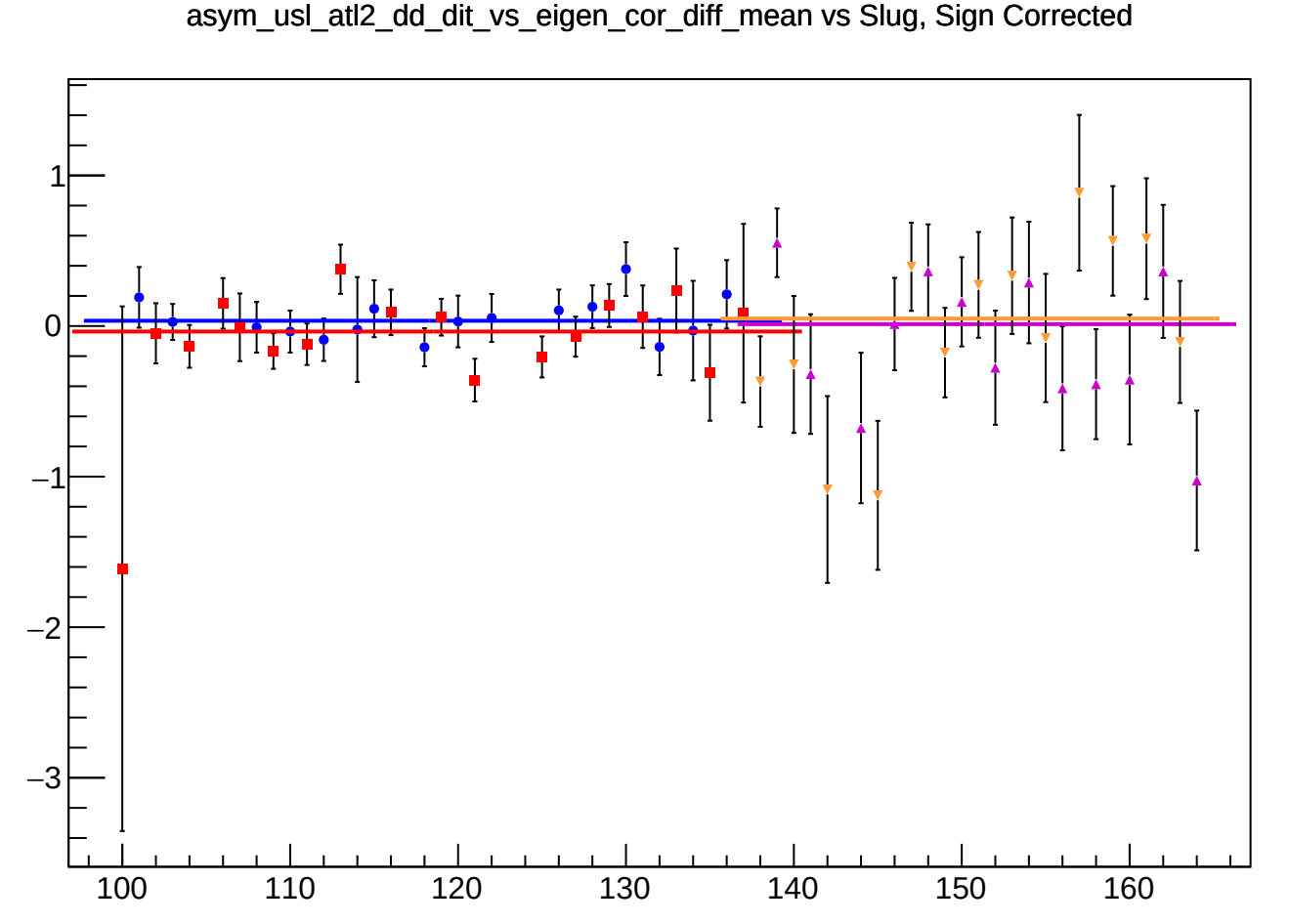
Left: 322.031+/-0.051 χ^2/NDF: 1801206.0/25

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 135.142+/-0.027 χ^2/NDF:9787159.8/28

Out: 124.663+/-0.026 χ^2/NDF:10387255.3/30

All: 129.711+/-0.019 χ^2/NDF: 20253792.3/59



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.049+/-0.106 χ^2/NDF:20.9/12

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.013+/-0.098 χ^2/NDF:19.4/12

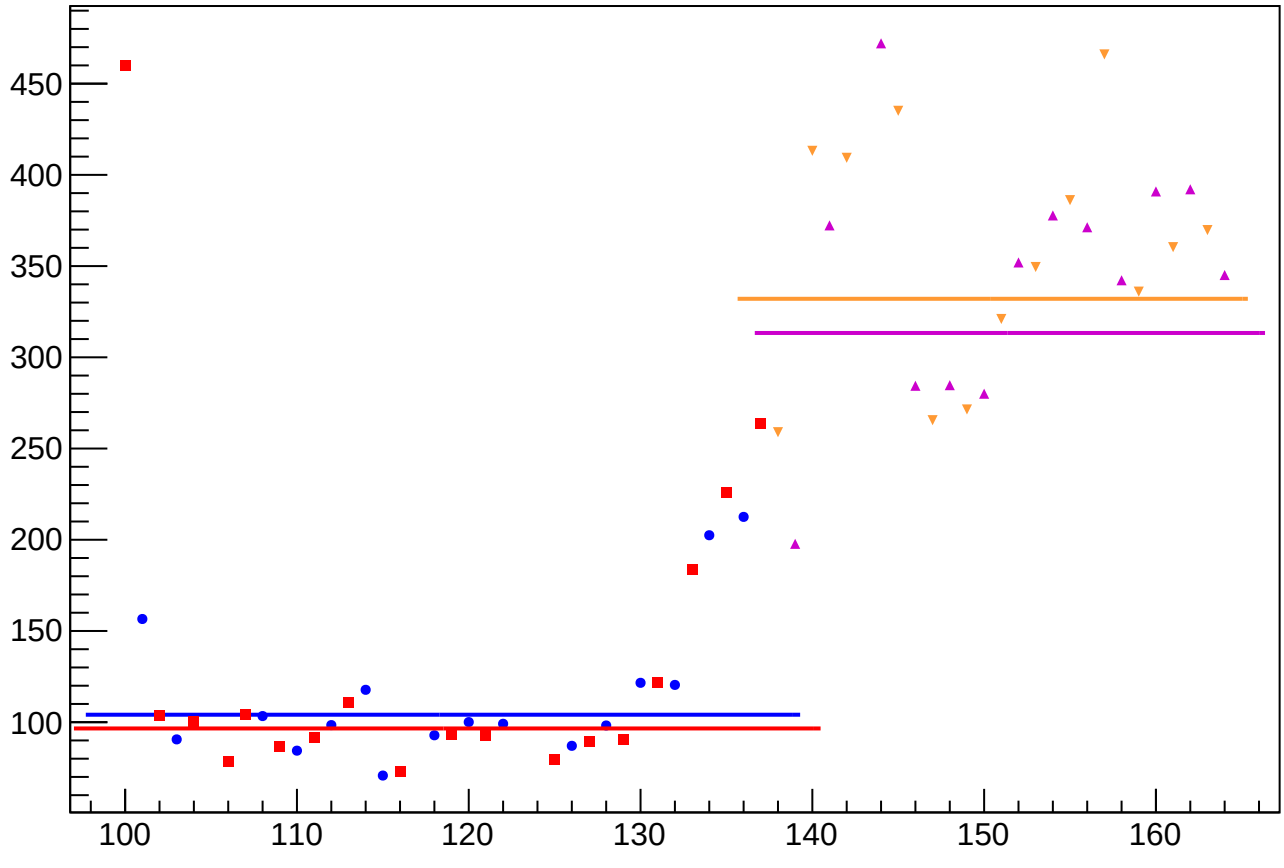
Left: 0.030+/-0.072 χ^2/NDF: 40.3/25

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.032+/-0.038 χ^2/NDF:29.2/28

Out: -0.026+/-0.037 χ^2/NDF:43.5/30

All: 0.002+/-0.026 χ^2/NDF: 73.9/59



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 332.076+/-0.075 χ^2/NDF:686723.1/12

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 313.342+/-0.070 χ^2/NDF:1080793.8/12

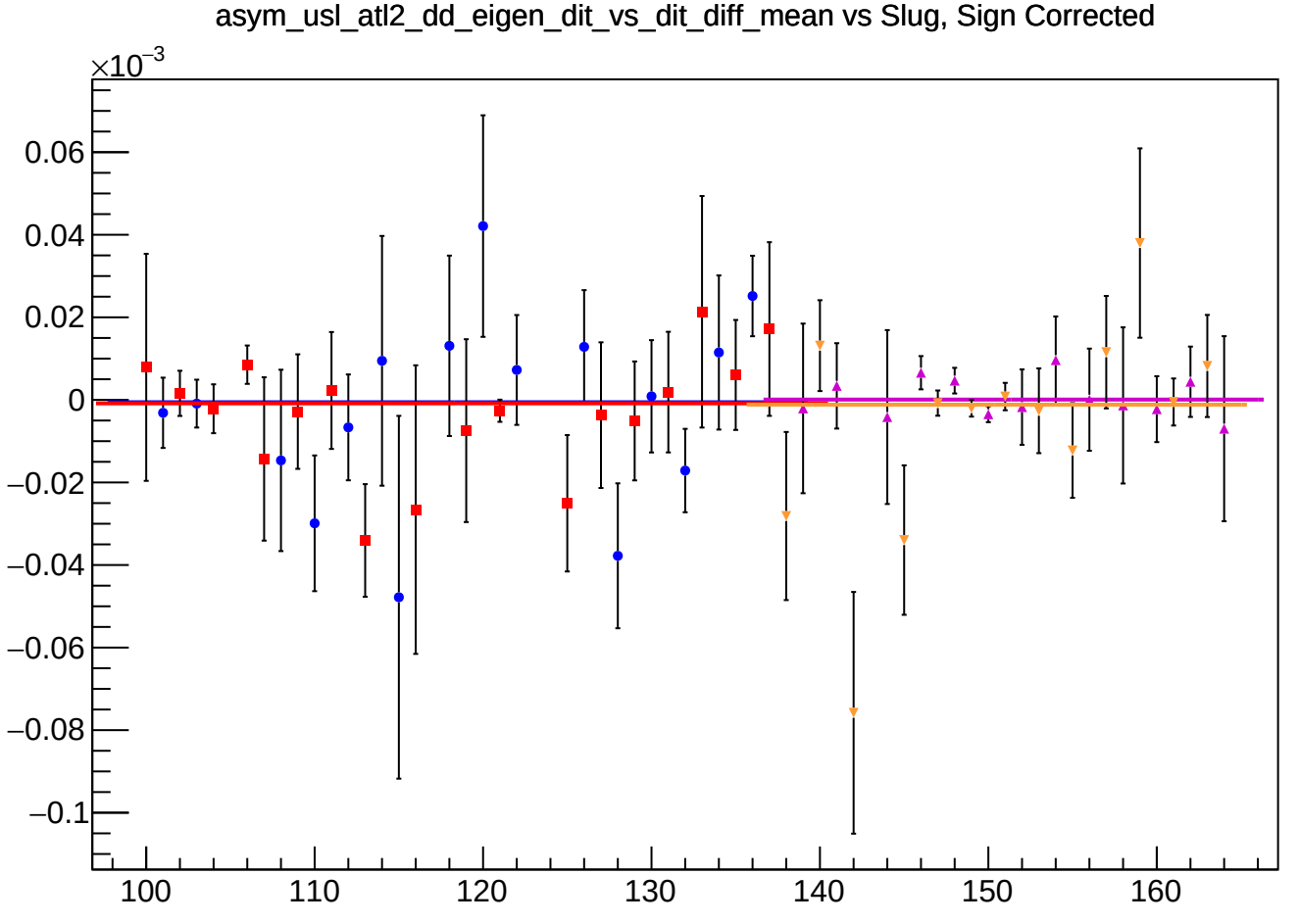
Left: 322.031+/-0.051 χ^2/NDF: 1801206.0/25

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 135.142+/-0.027 χ^2/NDF:9787159.8/28

Out: 124.663+/-0.026 χ^2/NDF:10387255.3/30

All: 129.711+/-0.019 χ^2/NDF: 20253792.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:9.6/12

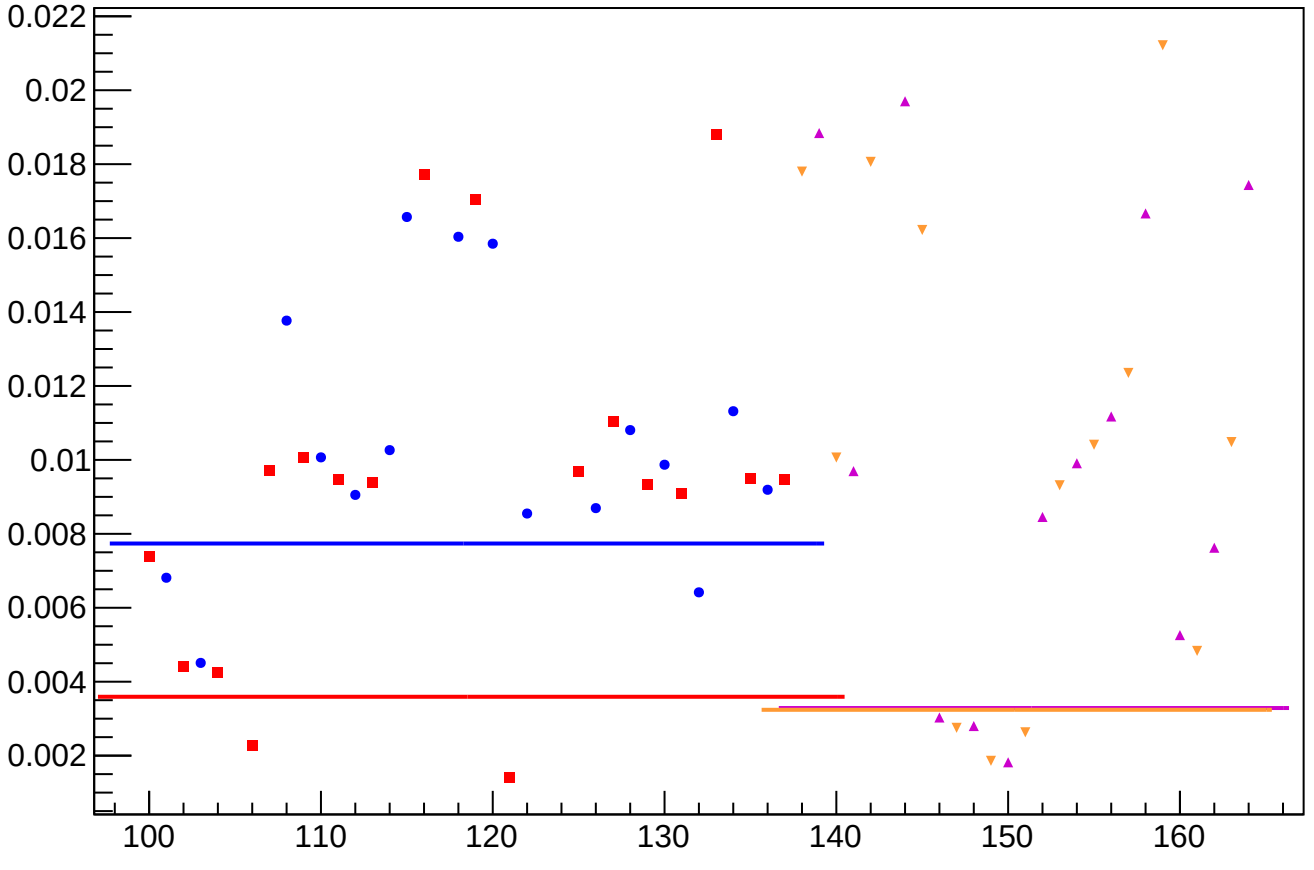
Left: -0.000+/-0.000 χ^2/NDF: 29.1/25

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:33.7/28

Out: -0.000+/-0.000 χ^2/NDF:35.0/30

All: -0.000+/-0.000 χ^2/NDF: 69.0/59



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:8817285.2/12

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:9028620.9/12

Left: 0.003+/-0.000 χ^2/NDF: 17847092.7/25

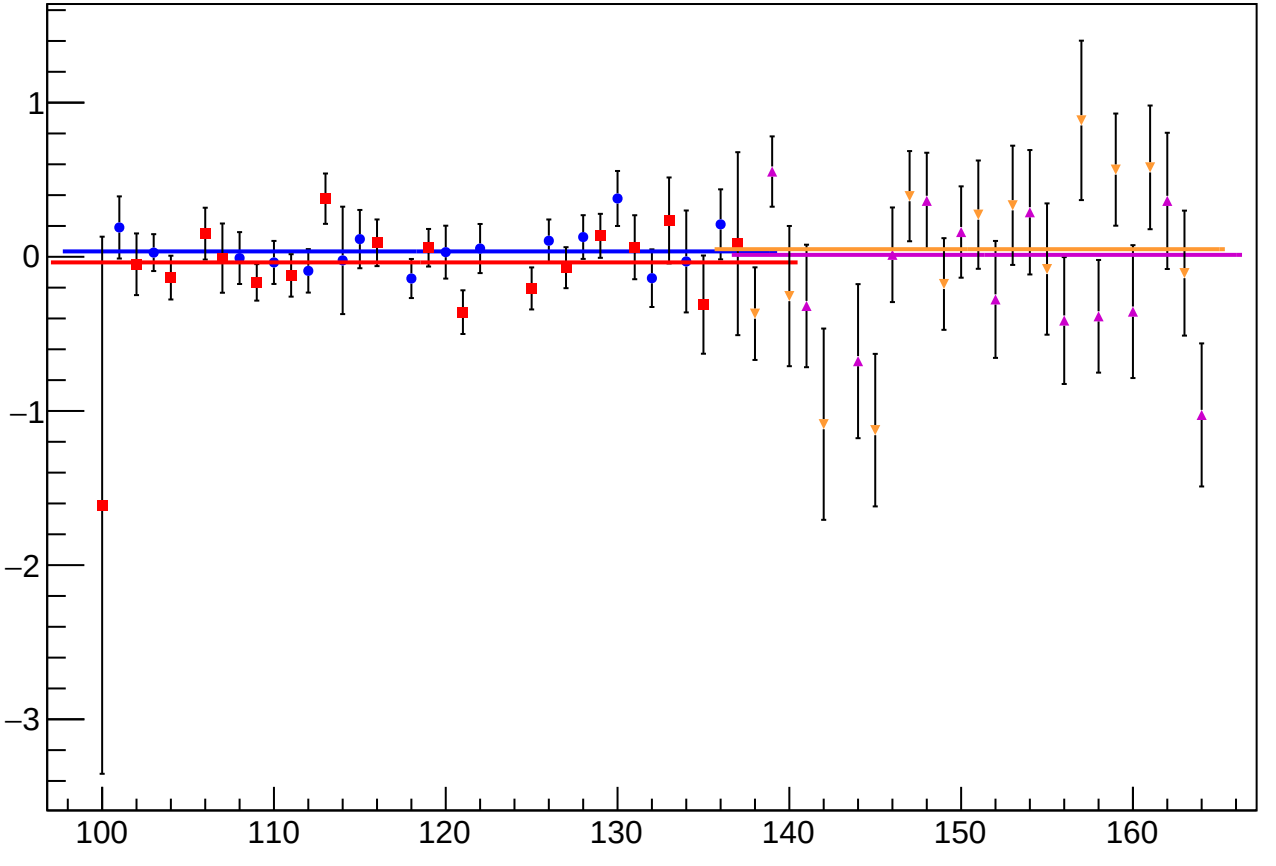
Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:14133402.0/28

Out: 0.003+/-0.000 χ^2/NDF:15228808.5/30

All: 0.004+/-0.000 χ^2/NDF: 29673870.9/59

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.049+/-0.106 χ^2/NDF:20.9/12

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.013+/-0.098 χ^2/NDF:19.4/12

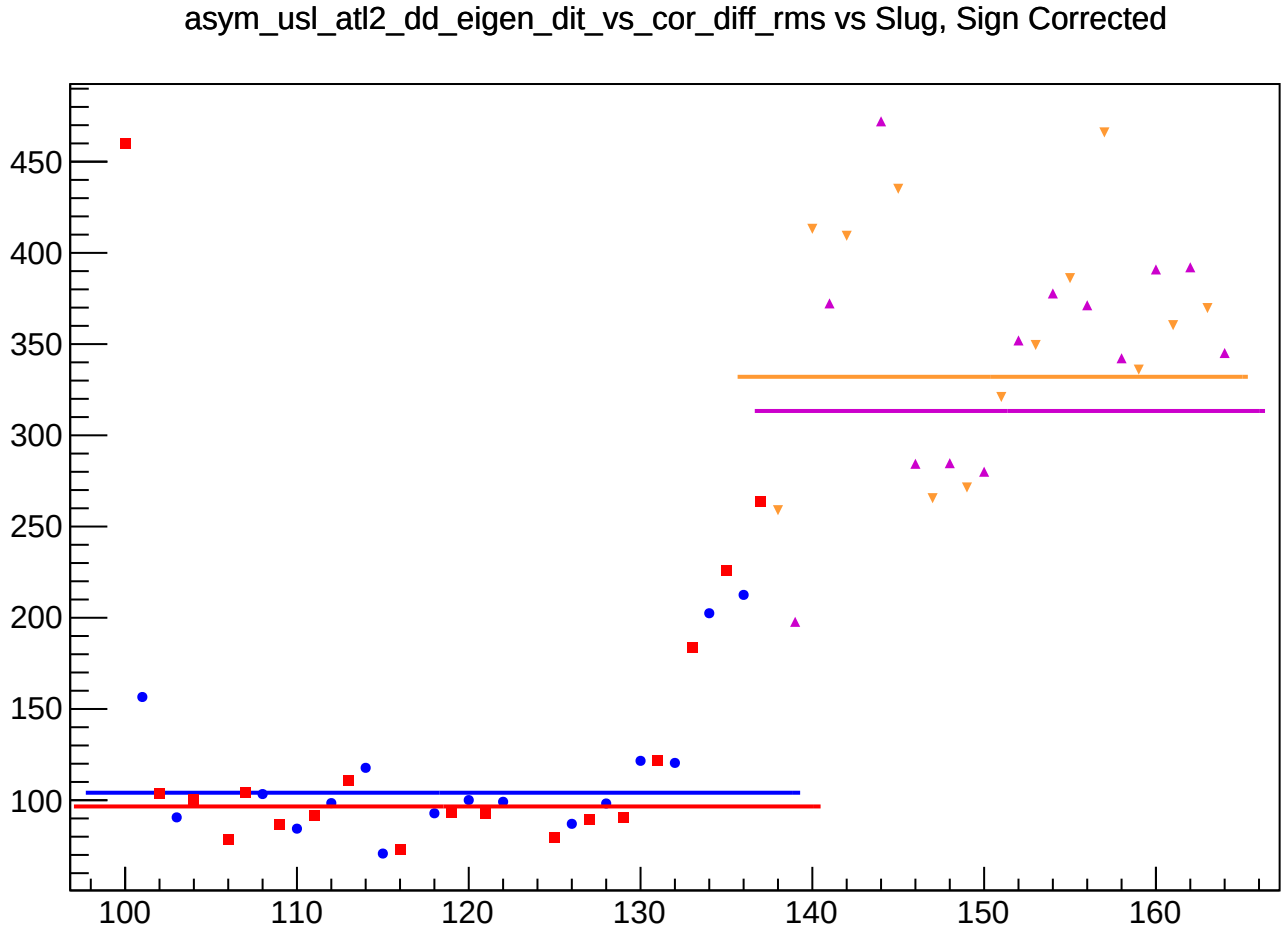
Left: 0.030+/-0.072 χ^2/NDF: 40.3/25

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.032+/-0.038 χ^2/NDF:29.2/28

Out: -0.026+/-0.037 χ^2/NDF:43.5/30

All: 0.002+/-0.026 χ^2/NDF: 73.9/59



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 332.079+/-0.075 χ^2/NDF:686780.1/12

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 313.347+/-0.070 χ^2/NDF:1080784.3/12

Left: 322.035+/-0.051 χ^2/NDF: 1801247.1/25

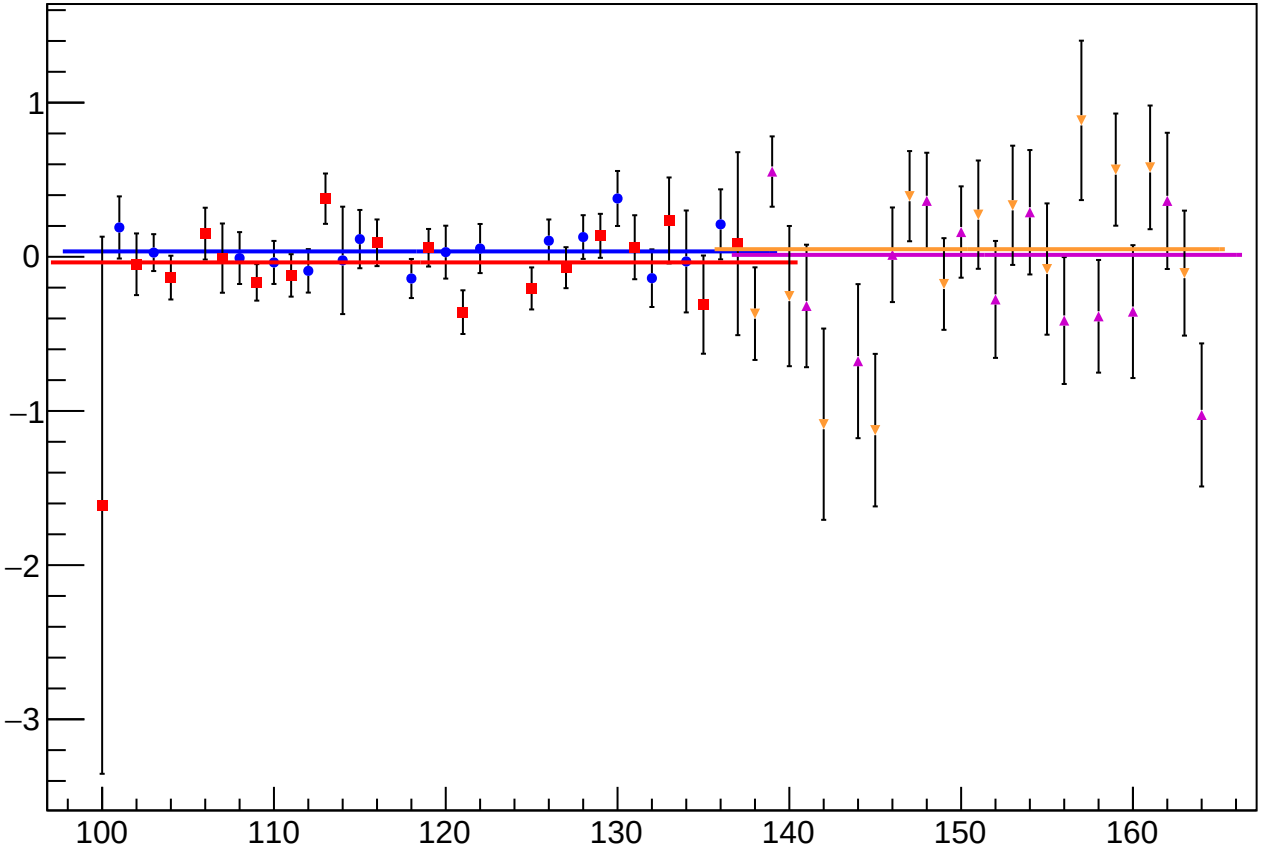
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 135.143+/-0.027 χ^2/NDF:9787181.3/28

Out: 124.665+/-0.026 χ^2/NDF:10387196.4/30

All: 129.712+/-0.019 χ^2/NDF: 20253746.5/59

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: 0.049+/-0.106 χ^2/NDF:20.9/12

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.013+/-0.098 χ^2/NDF:19.4/12

Left: 0.030+/-0.072 χ^2/NDF: 40.3/25

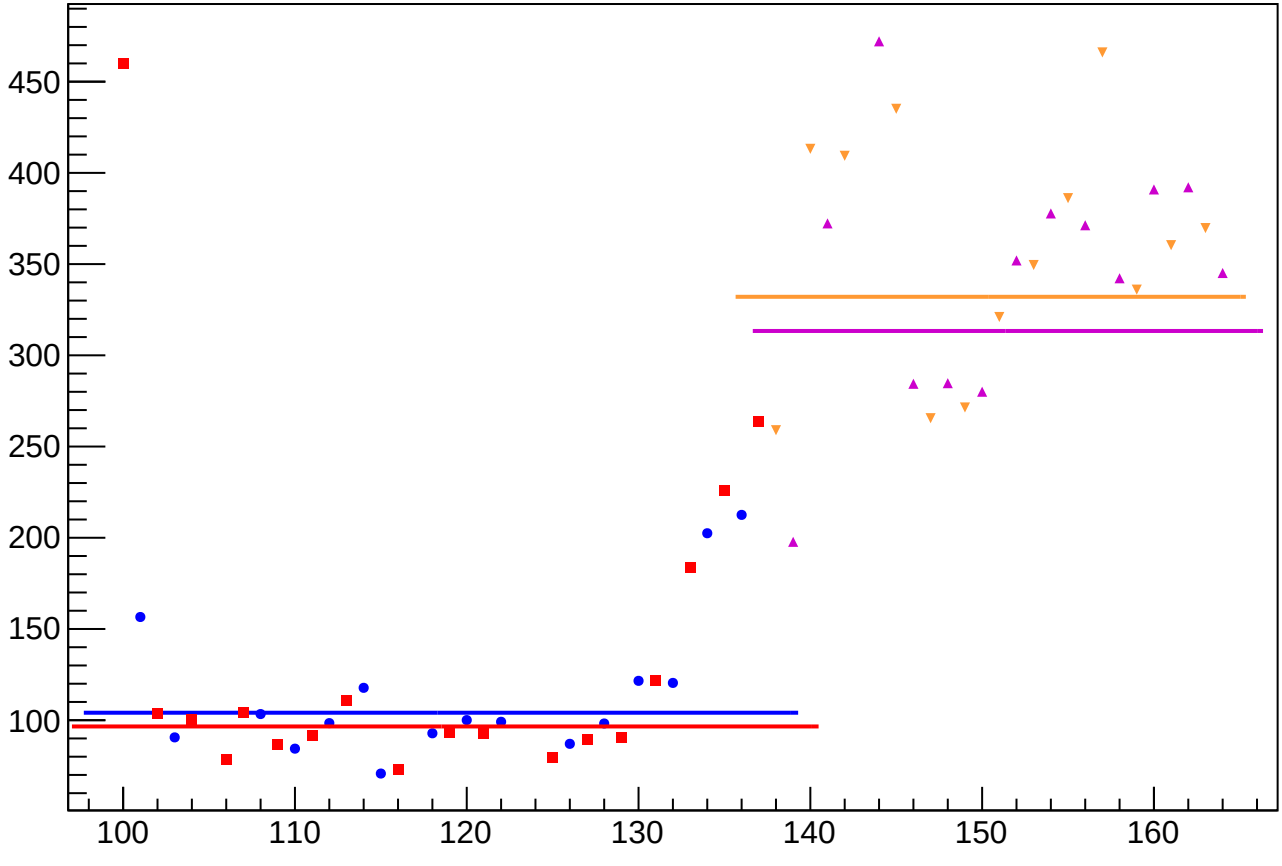
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.032+/-0.038 χ^2/NDF:29.2/28

Out: -0.026+/-0.037 χ^2/NDF:43.5/30

All: 0.002+/-0.026 χ^2/NDF: 73.9/59

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: 332.079+/-0.075 χ^2/NDF:686780.1/12

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 313.347+/-0.070 χ^2/NDF:1080784.3/12

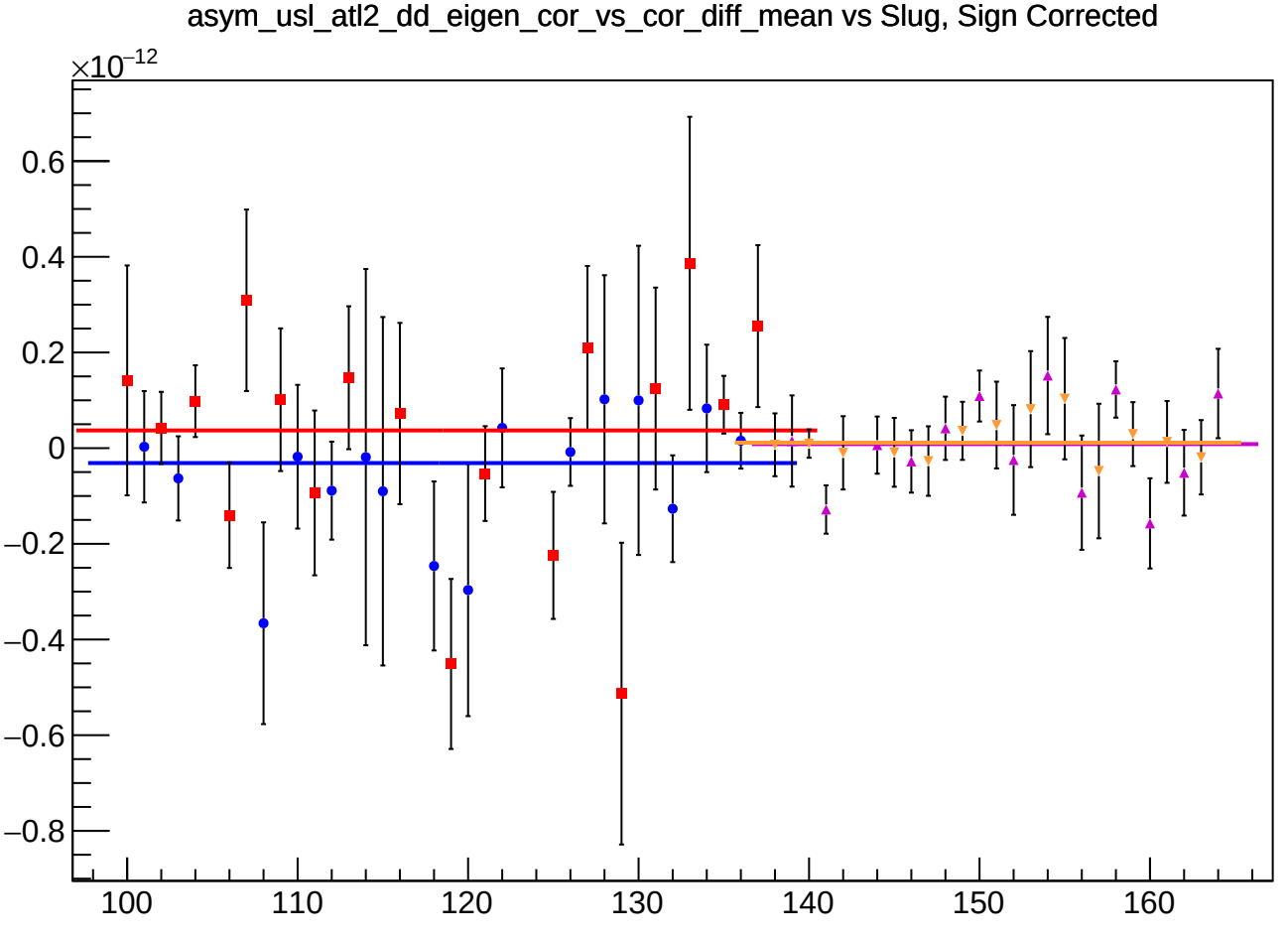
Left: 322.035+/-0.051 χ^2/NDF: 1801247.1/25

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 135.143+/-0.027 χ^2/NDF:9787181.3/28

Out: 124.665+/-0.026 χ^2/NDF:10387196.4/30

All: 129.712+/-0.019 χ^2/NDF: 20253746.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:22.2/12

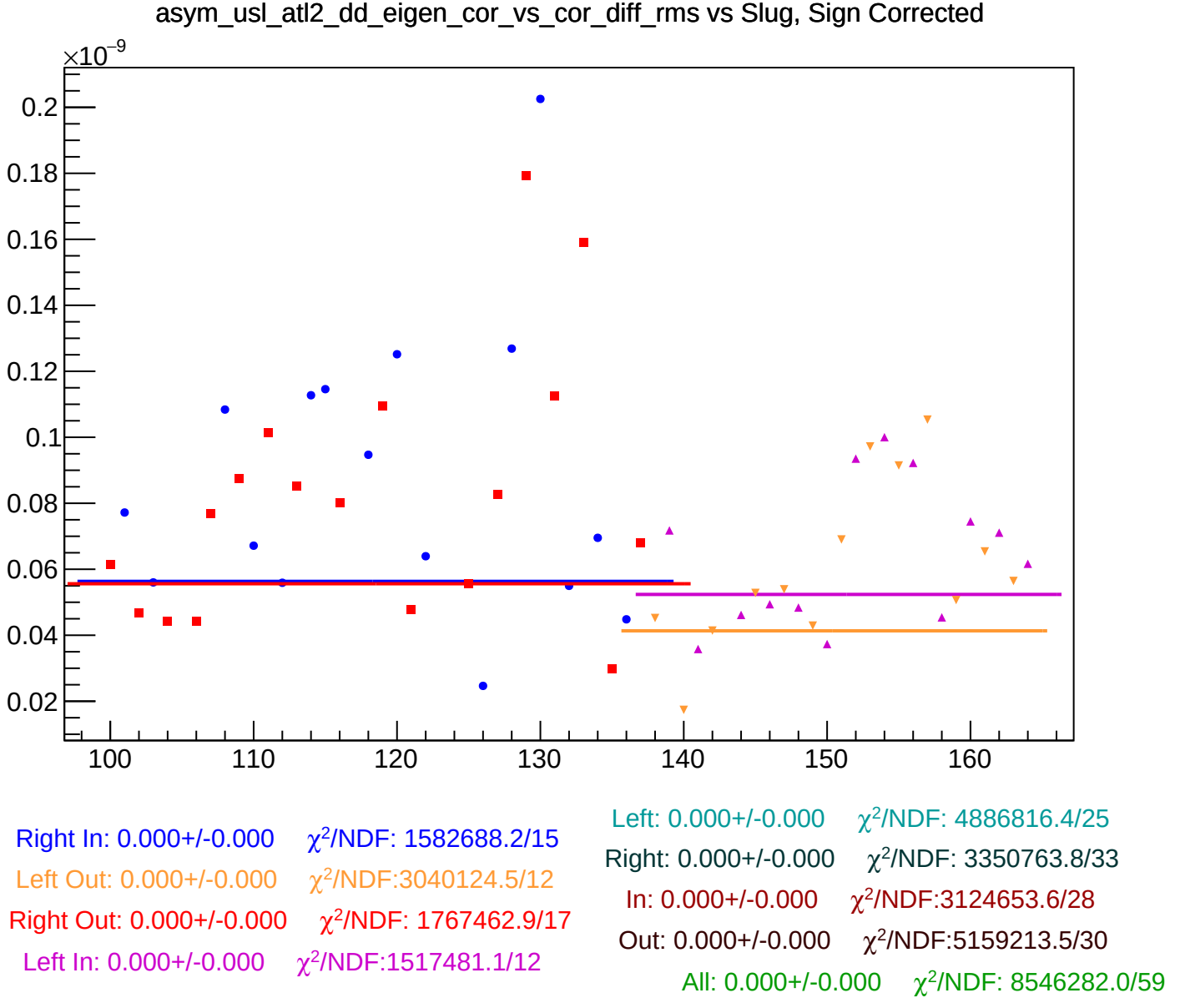
Left: 0.000+/-0.000 χ^2/NDF: 24.3/25

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

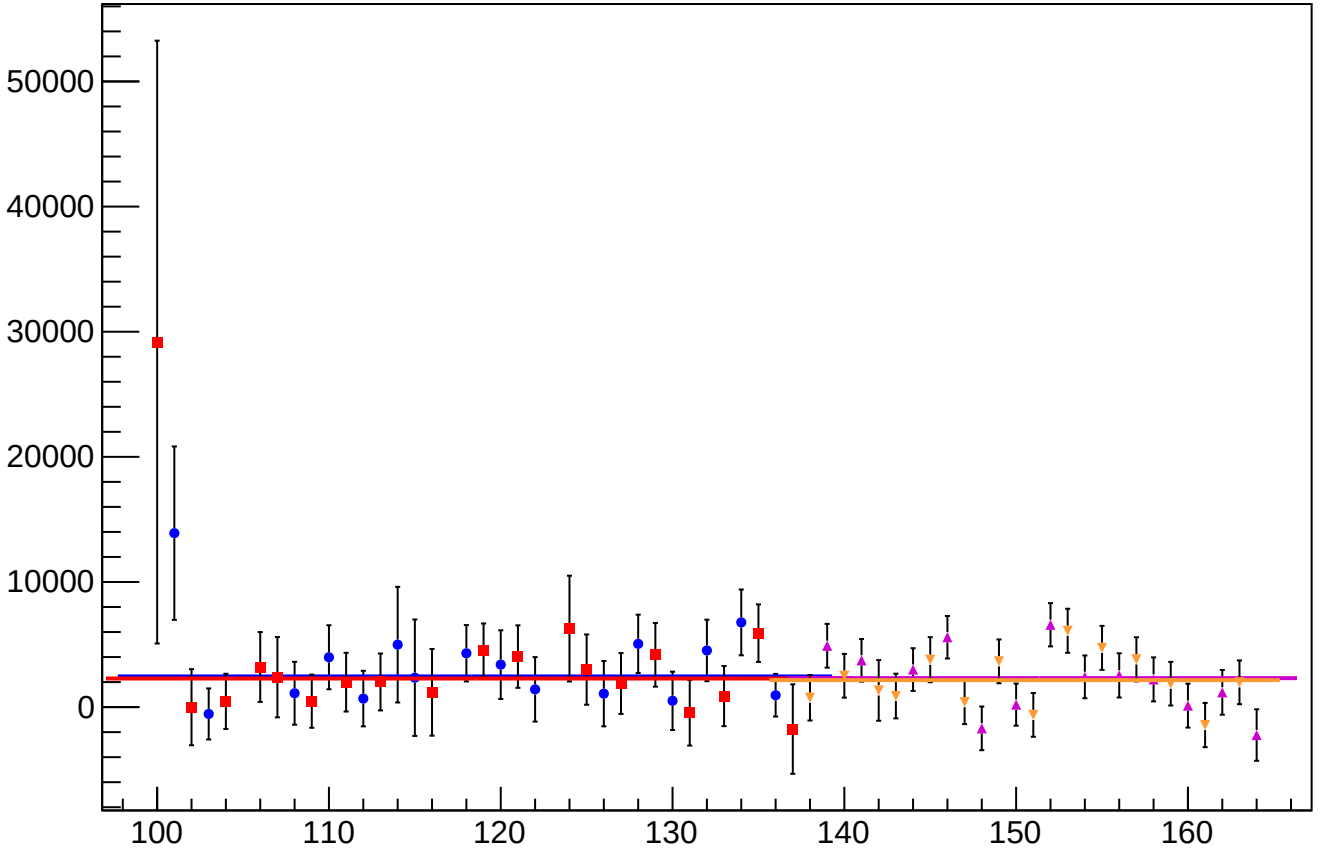
In: -0.000+/-0.000 χ^2/NDF:32.0/28

Out: 0.000+/-0.000 χ^2/NDF:29.7/30

All: 0.000+/-0.000 χ^2/NDF: 62.7/59


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
160
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3040124.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:1517481.1/12
Left: 0.000+/-0.000 χ²/NDF: 4886816.4/25
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:3124653.6/28
Out: 0.000+/-0.000 χ²/NDF:5159213.5/30
All: 0.000+/-0.000 χ²/NDF: 8546282.0/59

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2156.853+/-479.853 χ^2/NDF:18.6/13

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2314.976+/-485.721 χ^2/NDF:26.6/12

Left: 2234.954+/-341.363 χ^2/NDF: 45.2/26

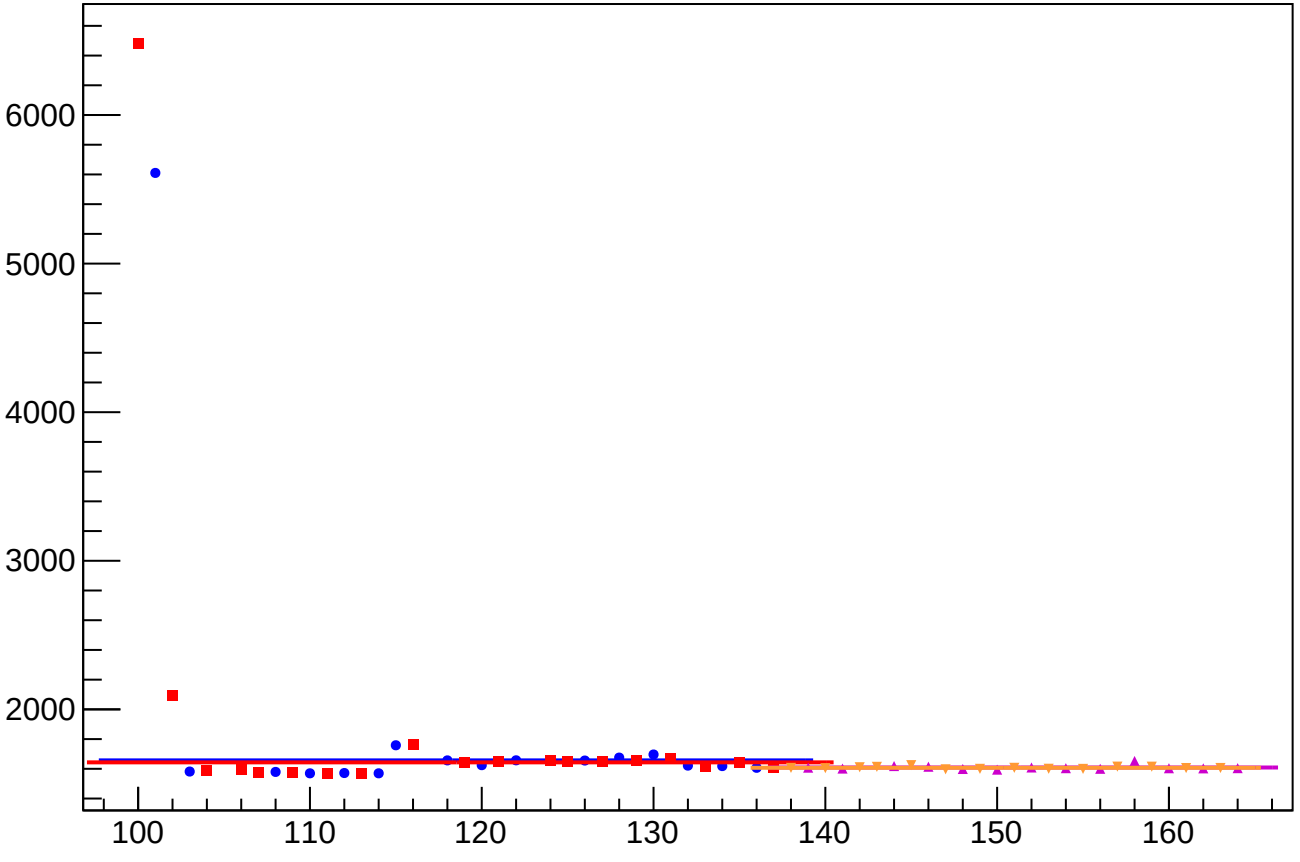
Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2365.275+/-384.721 χ^2/NDF:40.5/28

Out: 2206.525+/-376.947 χ^2/NDF:30.4/32

All: 2284.280+/-269.248 χ^2/NDF: 71.0/61

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1607.044+/-0.339 χ^2/NDF:468.8/13

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1608.799+/-0.343 χ^2/NDF:1680.3/12

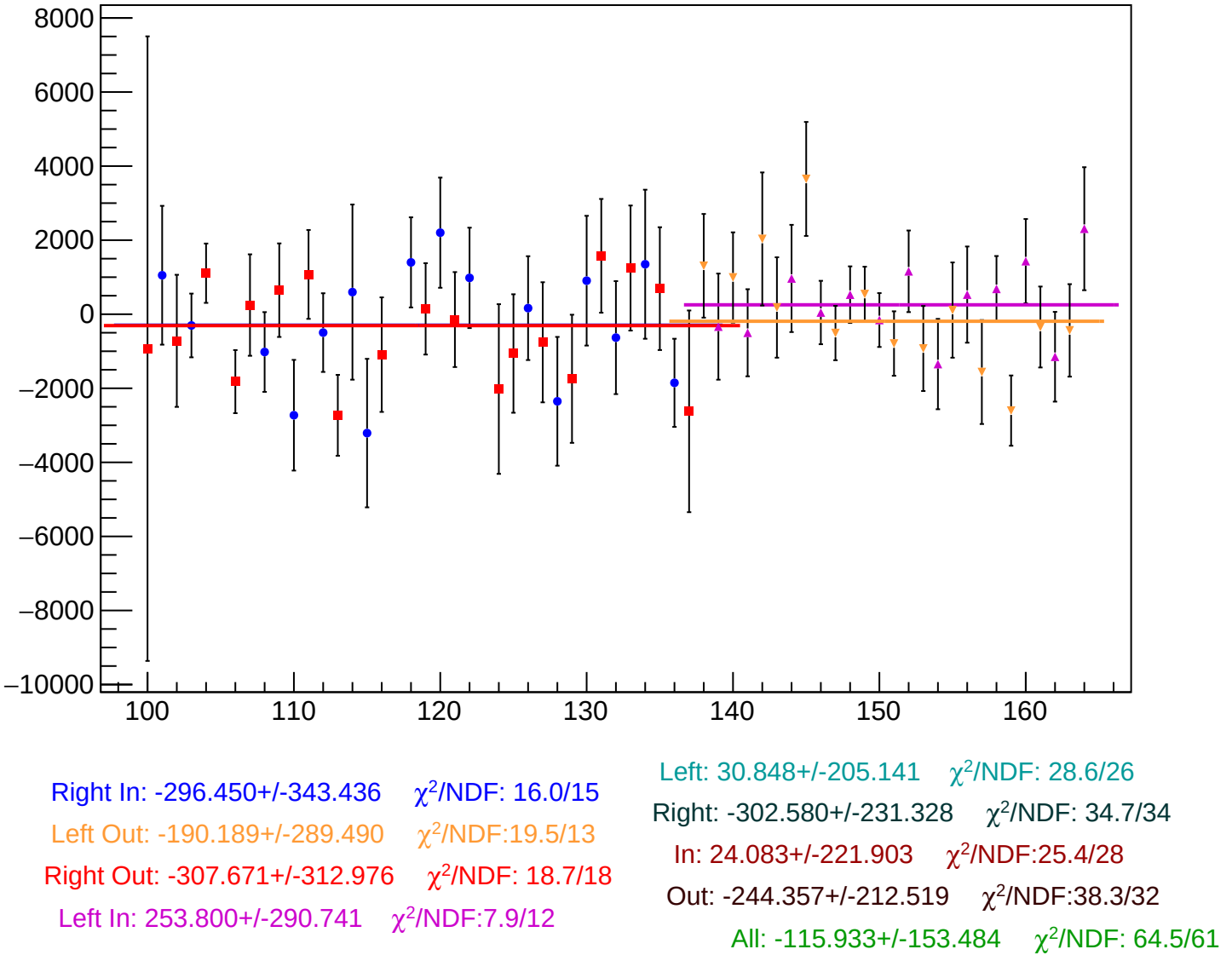
Left: 1607.911+/-0.241 χ^2/NDF: 2162.4/26

Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

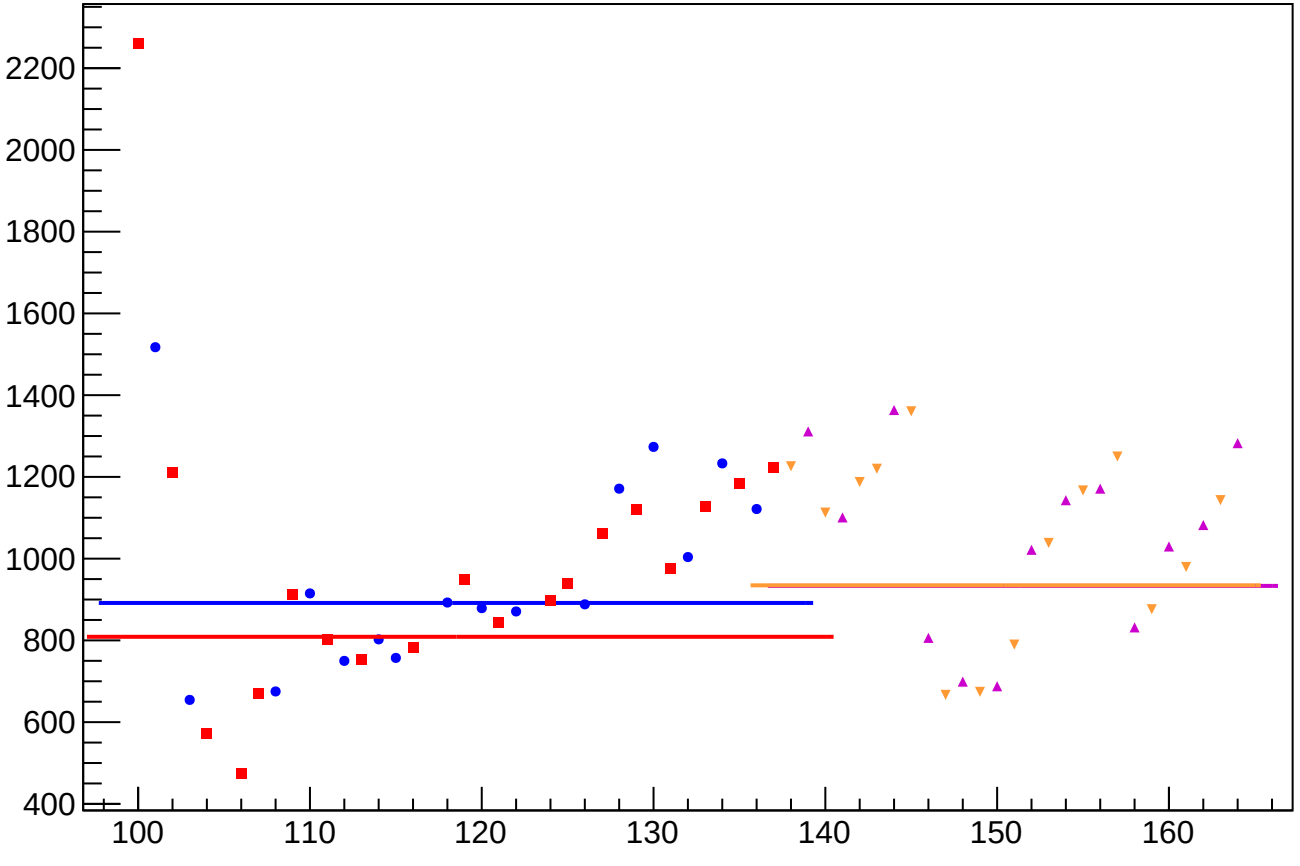
In: 1626.643+/-0.272 χ^2/NDF:675149.6/28

Out: 1620.977+/-0.267 χ^2/NDF:141870.2/32

All: 1623.752+/-0.190 χ^2/NDF: 817241.1/61


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: -296.450+/-343.436 χ²/NDF: 16.0/15
Left Out: -190.189+/-289.490 χ²/NDF:19.5/13
Right Out: -307.671+/-312.976 χ²/NDF: 18.7/18
Left In: 253.800+/-290.741 χ²/NDF:7.9/12
Left: 30.848+/-205.141 χ²/NDF: 28.6/26
Right: -302.580+/-231.328 χ²/NDF: 34.7/34
In: 24.083+/-221.903 χ²/NDF:25.4/28
Out: -244.357+/-212.519 χ²/NDF:38.3/32
All: -115.933+/-153.484 χ²/NDF: 64.5/61

asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 934.734+/-0.205 χ^2/NDF:1230933.7/13

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 933.339+/-0.206 χ^2/NDF:1114533.8/12

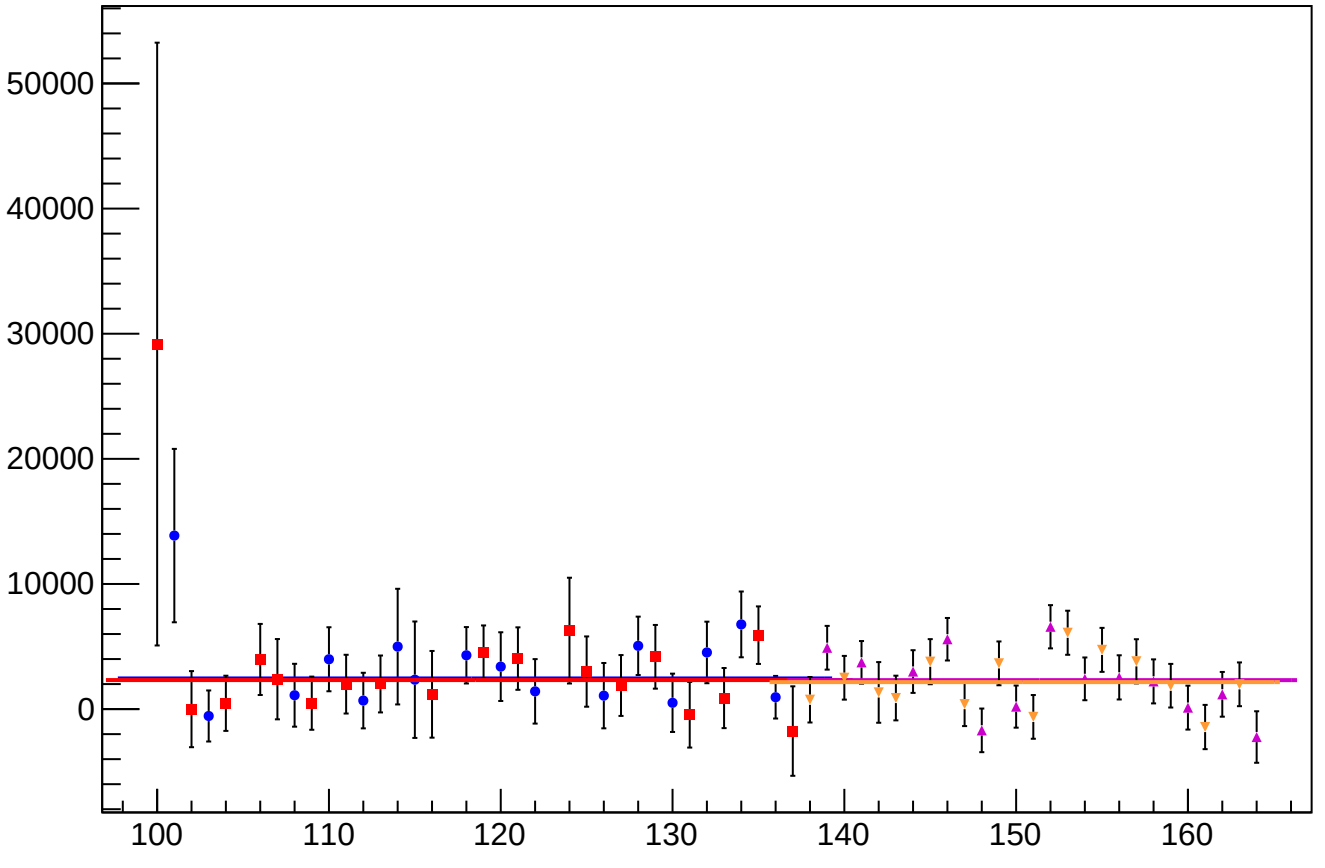
Left: 934.039+/-0.145 χ^2/NDF: 2345490.7/26

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 915.928+/-0.157 χ^2/NDF:1925611.7/28

Out: 876.673+/-0.150 χ^2/NDF:2489259.8/32

All: 895.453+/-0.109 χ^2/NDF: 4447516.1/61



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2156.831+/-479.853 χ^2/NDF:18.6/13

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2315.012+/-485.721 χ^2/NDF:26.6/12

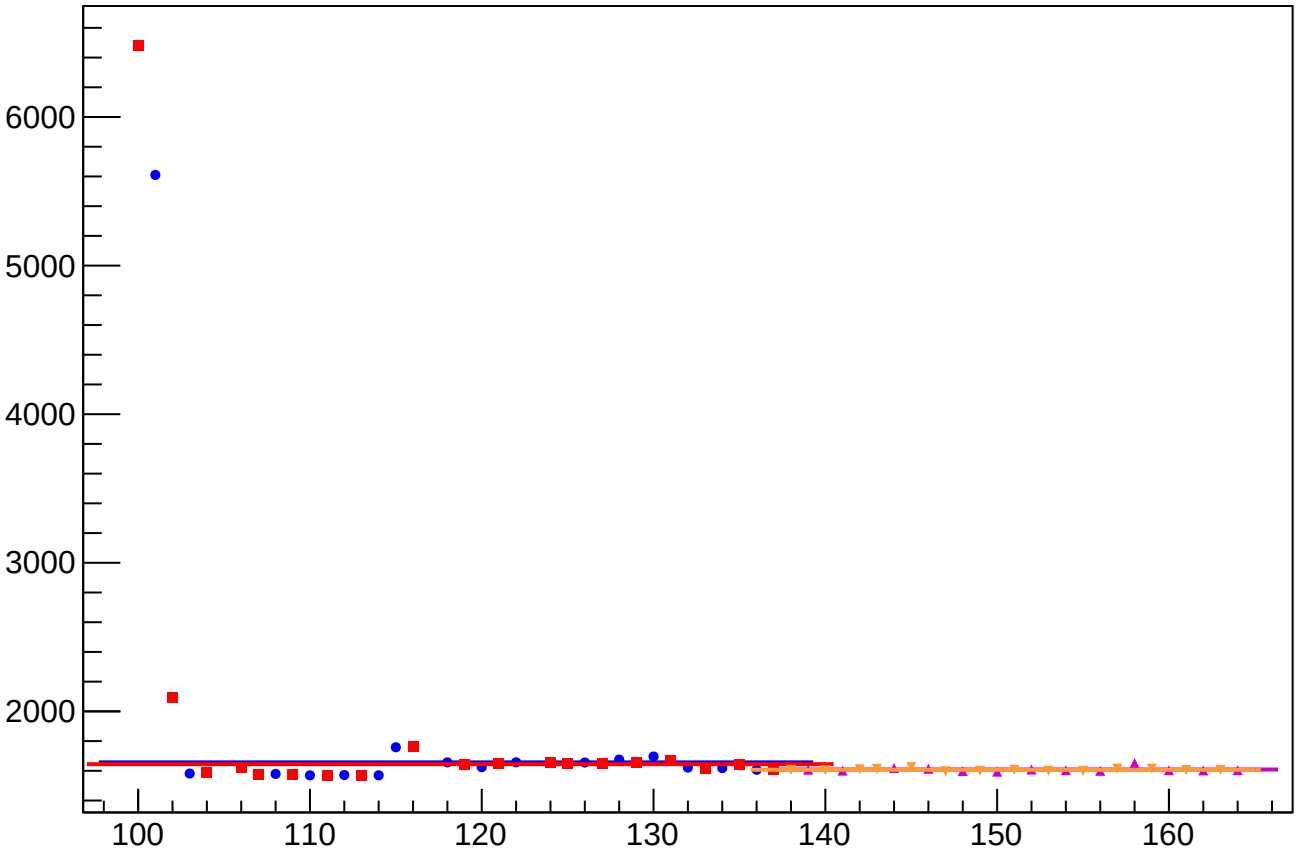
Left: 2234.960+/-341.363 χ^2/NDF: 45.2/26

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2365.089+/-384.721 χ^2/NDF:40.4/28

Out: 2219.467+/-377.066 χ^2/NDF:30.7/32

All: 2290.815+/-269.291 χ^2/NDF: 71.2/61



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.044+/-0.339 χ^2/NDF:468.8/13

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1608.799+/-0.343 χ^2/NDF:1680.3/12

Left: 1607.911+/-0.241 χ^2/NDF: 2162.4/26

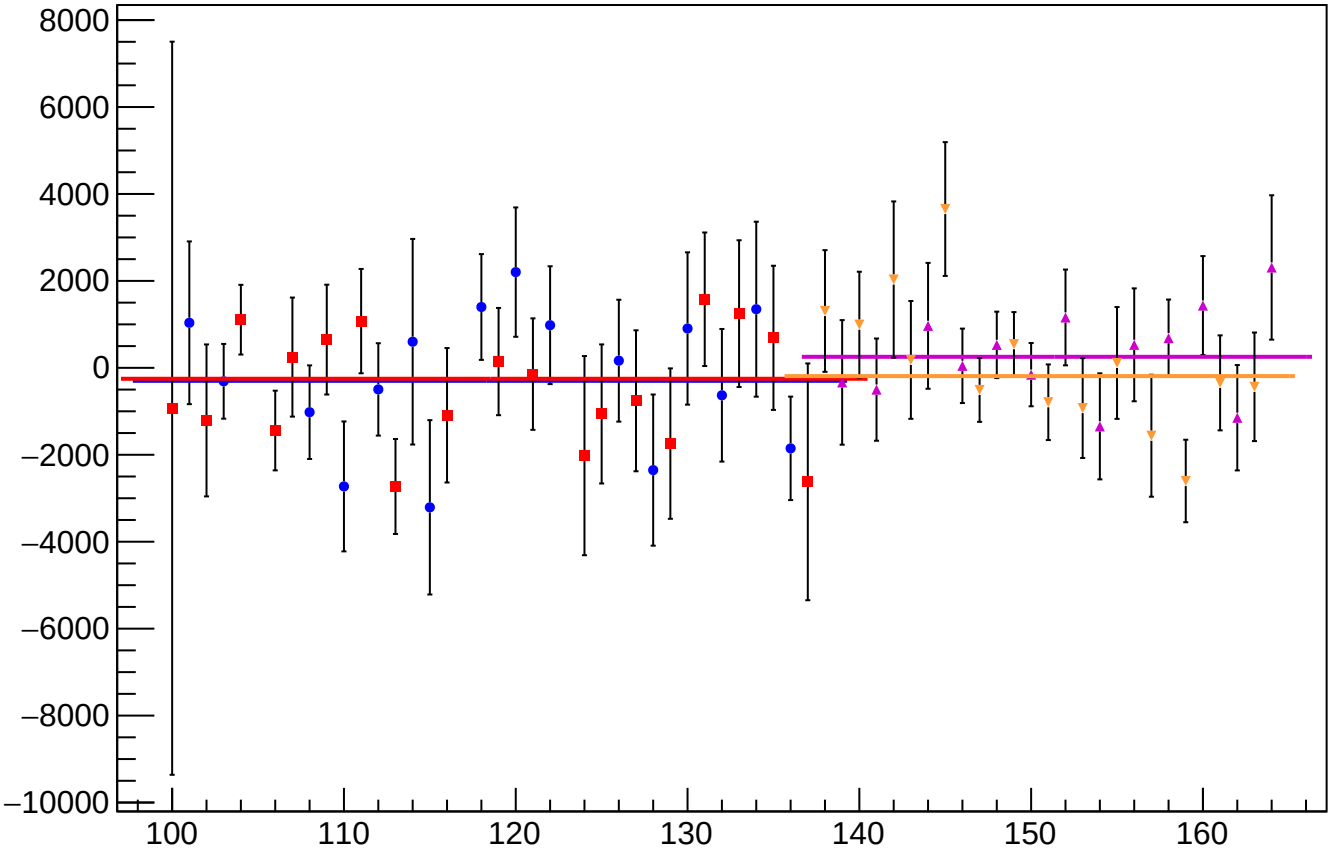
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1626.643+/-0.272 χ^2/NDF:675149.2/28

Out: 1621.461+/-0.267 χ^2/NDF:141671.5/32

All: 1624.000+/-0.190 χ^2/NDF: 817005.8/61

asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -190.256+/-289.488 χ^2/NDF:19.5/13

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 253.848+/-290.742 χ^2/NDF:7.9/12

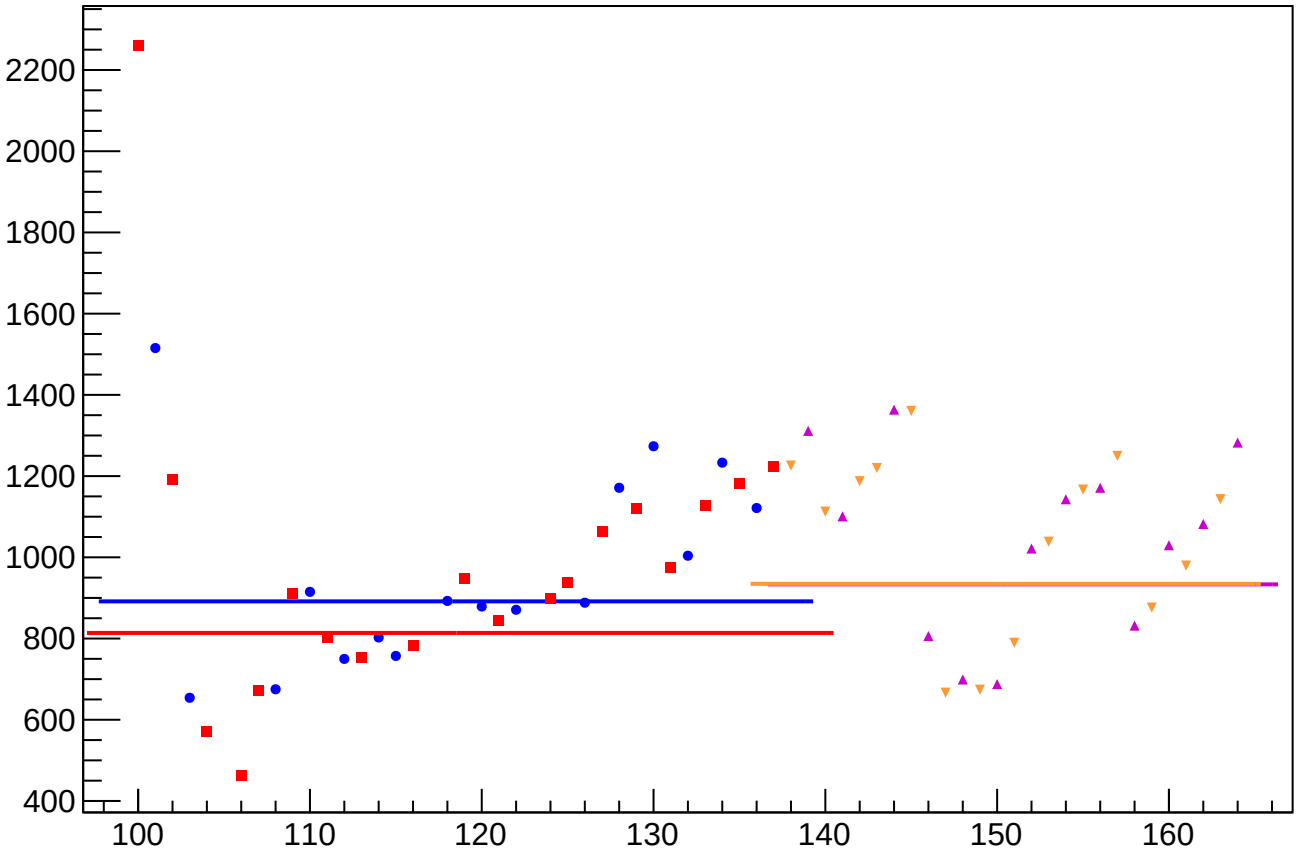
Left: 30.836+/-205.141 χ^2/NDF: 28.6/26

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 23.513+/-221.891 χ^2/NDF:25.4/28

Out: -218.102+/-213.380 χ^2/NDF:36.8/32

All: -102.017+/-153.803 χ^2/NDF: 62.8/61



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 934.726+/-0.205 χ^2/NDF:1231030.6/13

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 933.343+/-0.206 χ^2/NDF:1114487.8/12

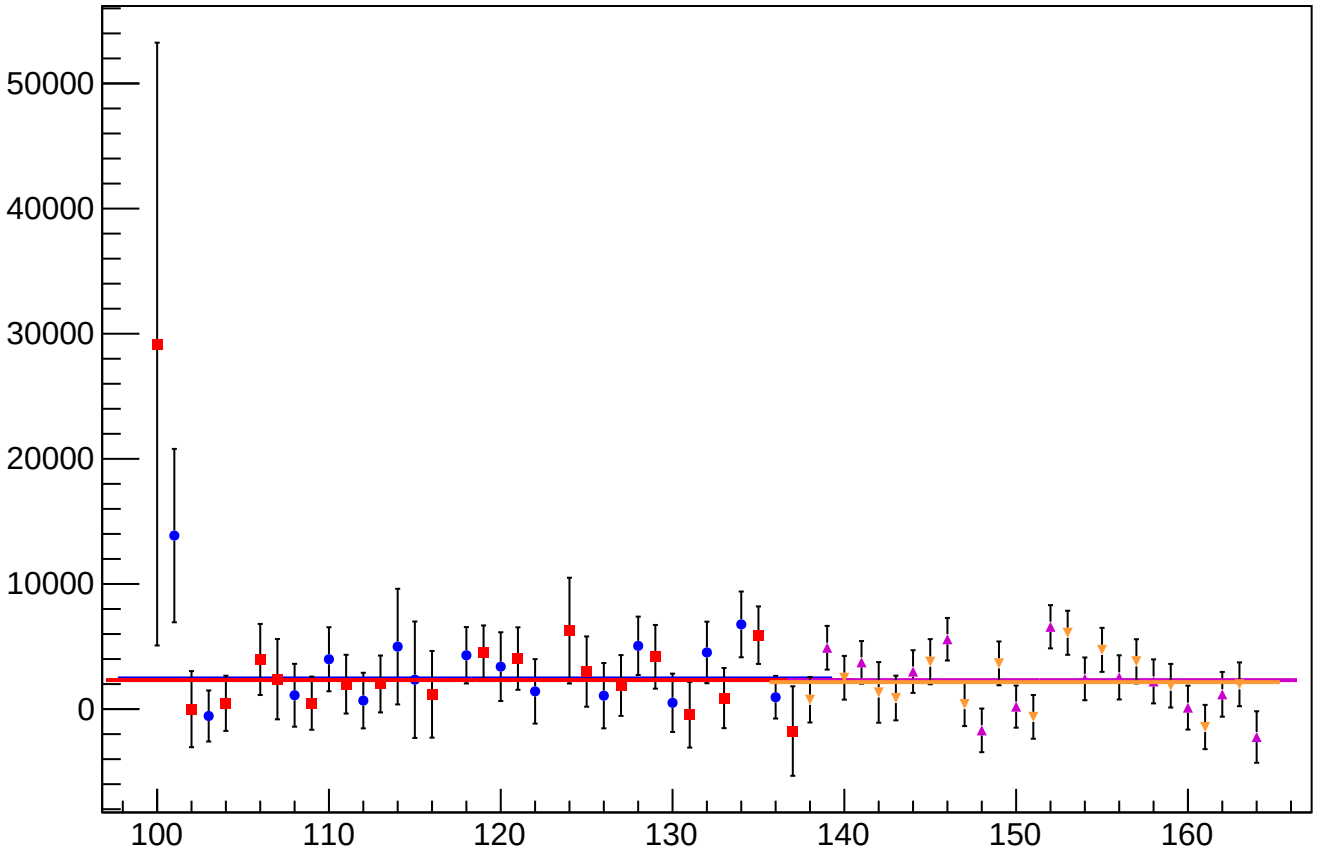
Left: 934.037+/-0.145 χ^2/NDF: 2345541.2/26

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 915.886+/-0.157 χ^2/NDF:1925414.6/28

Out: 879.503+/-0.151 χ^2/NDF:2443382.1/32

All: 896.983+/-0.109 χ^2/NDF: 4396732.3/61



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2156.831+/-479.853 χ^2/NDF:18.6/13

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2315.012+/-485.721 χ^2/NDF:26.6/12

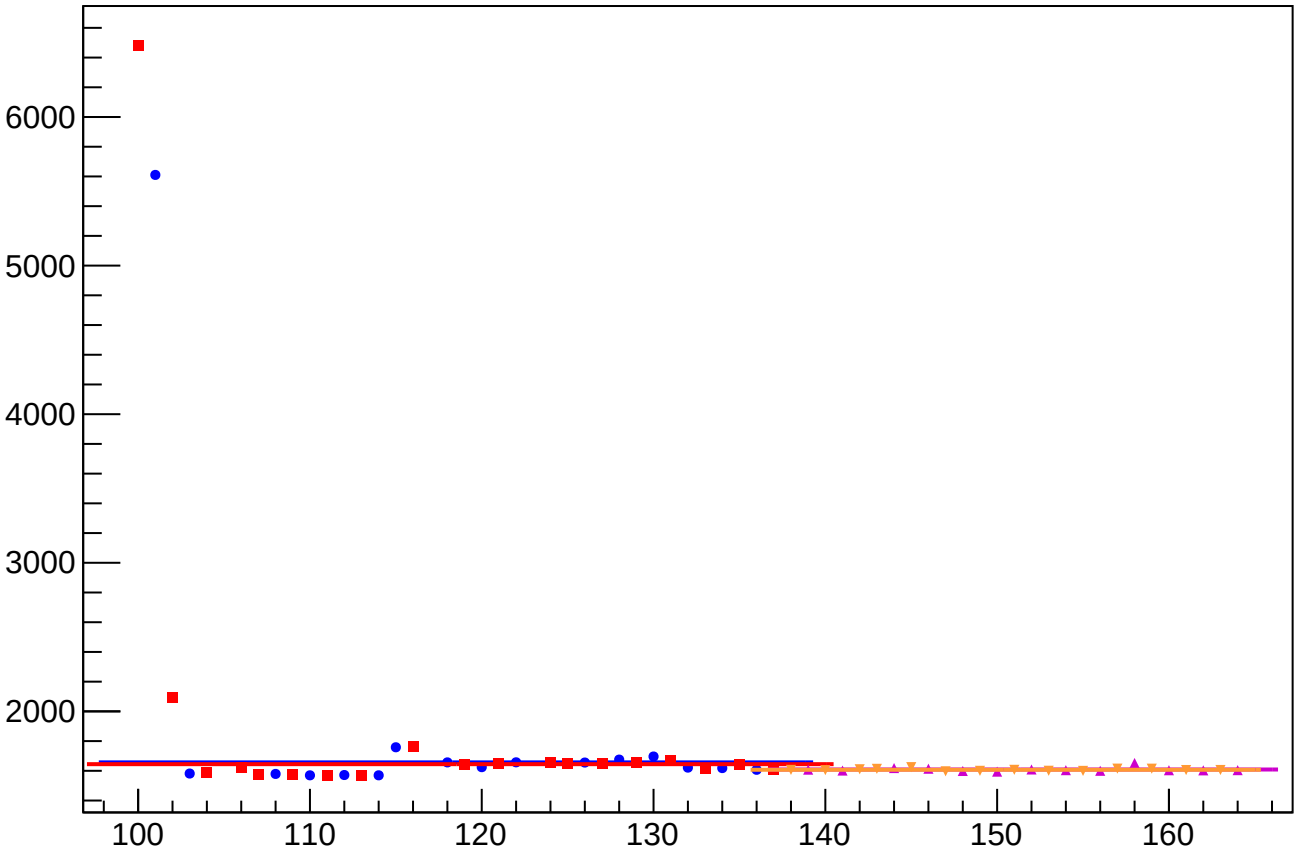
Left: 2234.960+/-341.363 χ^2/NDF: 45.2/26

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2365.089+/-384.721 χ^2/NDF:40.4/28

Out: 2219.467+/-377.066 χ^2/NDF:30.7/32

All: 2290.815+/-269.291 χ^2/NDF: 71.2/61



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.044+/-0.339 χ^2/NDF:468.8/13

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1608.799+/-0.343 χ^2/NDF:1680.3/12

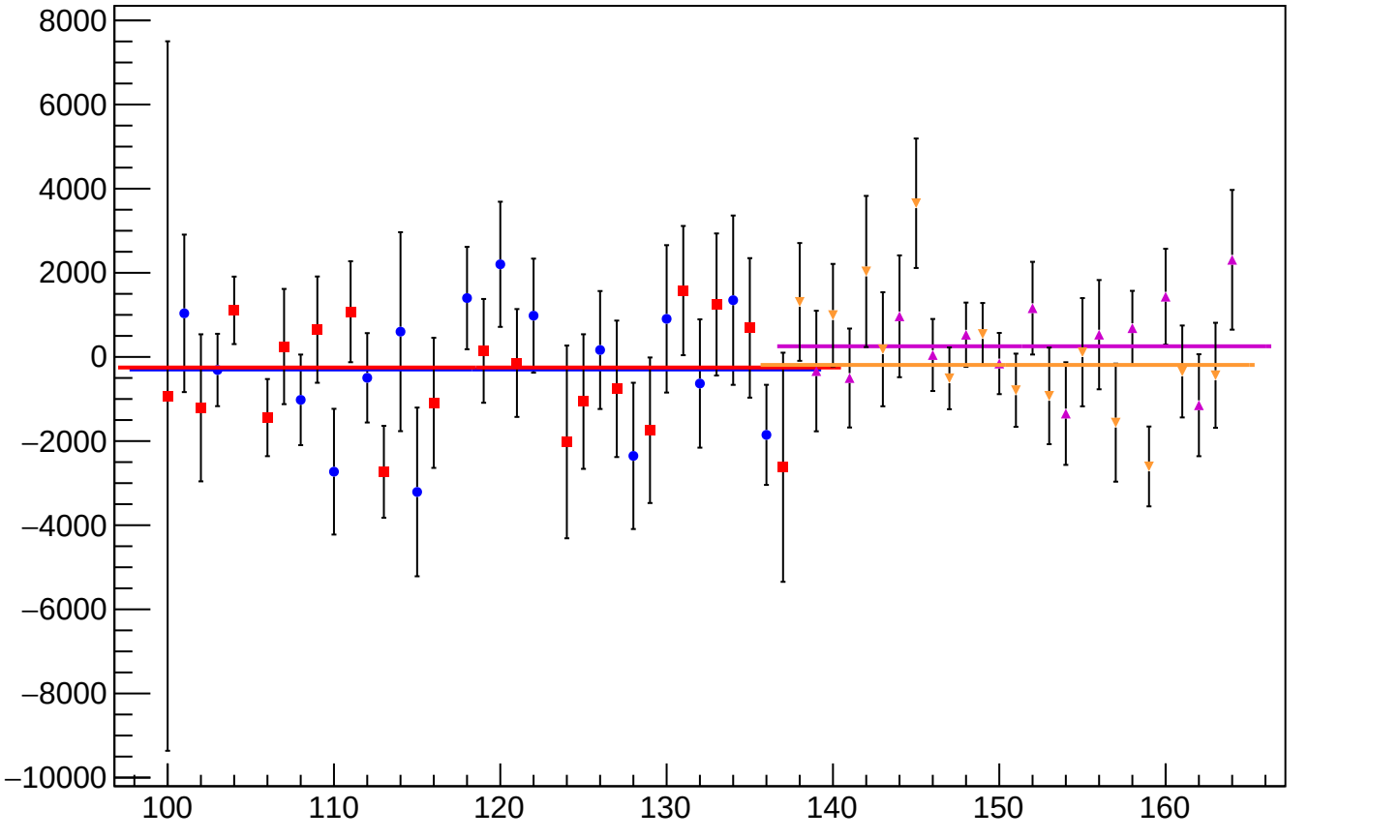
Left: 1607.911+/-0.241 χ^2/NDF: 2162.4/26

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1626.643+/-0.272 χ^2/NDF:675149.2/28

Out: 1621.461+/-0.267 χ^2/NDF:141671.5/32

All: 1624.000+/-0.190 χ^2/NDF: 817005.8/61



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -190.256+/-289.488 χ^2/NDF:19.5/13

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 253.848+/-290.742 χ^2/NDF:7.9/12

Left: 30.836+/-205.141 χ^2/NDF: 28.6/26

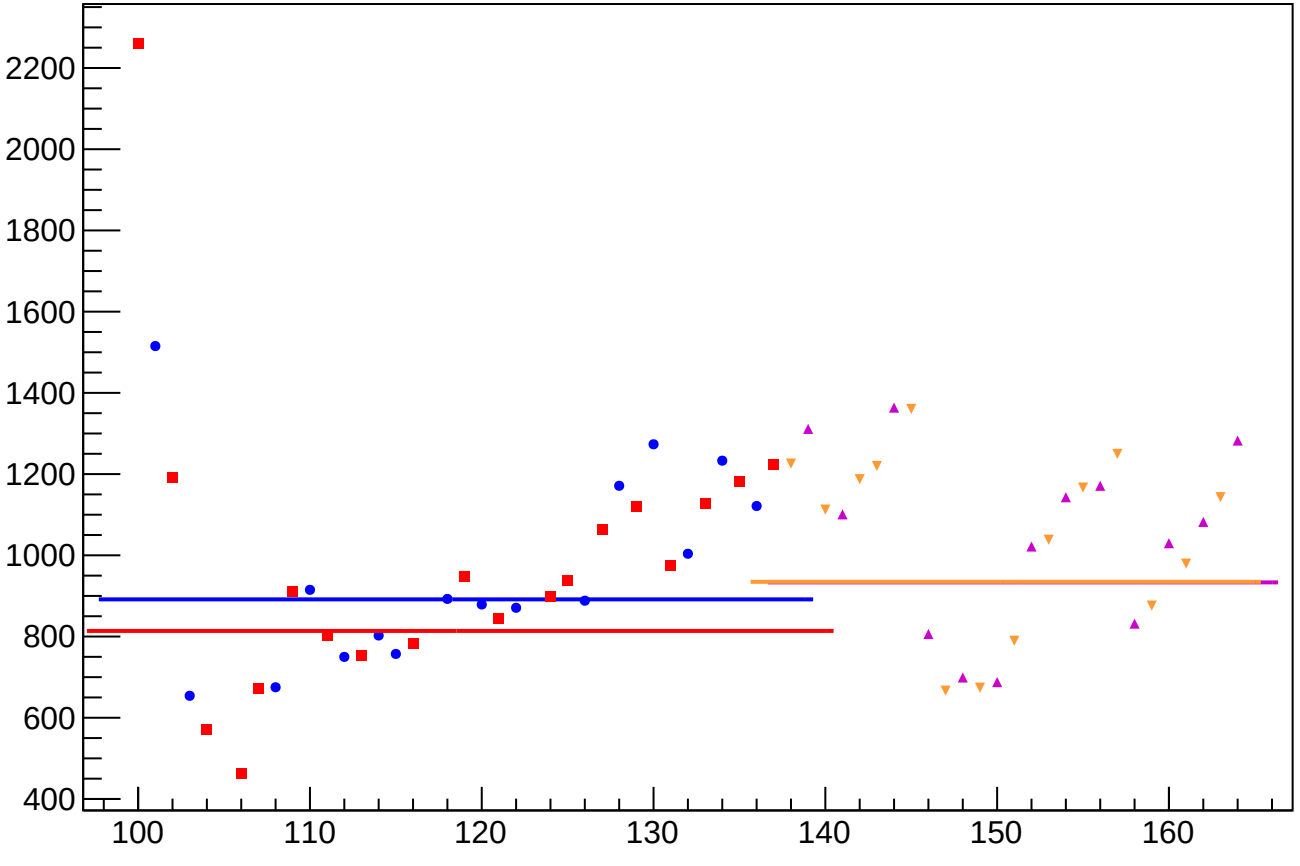
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 23.513+/-221.891 χ^2/NDF:25.4/28

Out: -218.102+/-213.380 χ^2/NDF:36.8/32

All: -102.017+/-153.803 χ^2/NDF: 62.8/61

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: 934.726+/-0.205 χ^2/NDF:1231030.6/13

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 933.343+/-0.206 χ^2/NDF:1114487.8/12

Left: 934.037+/-0.145 χ^2/NDF: 2345541.2/26

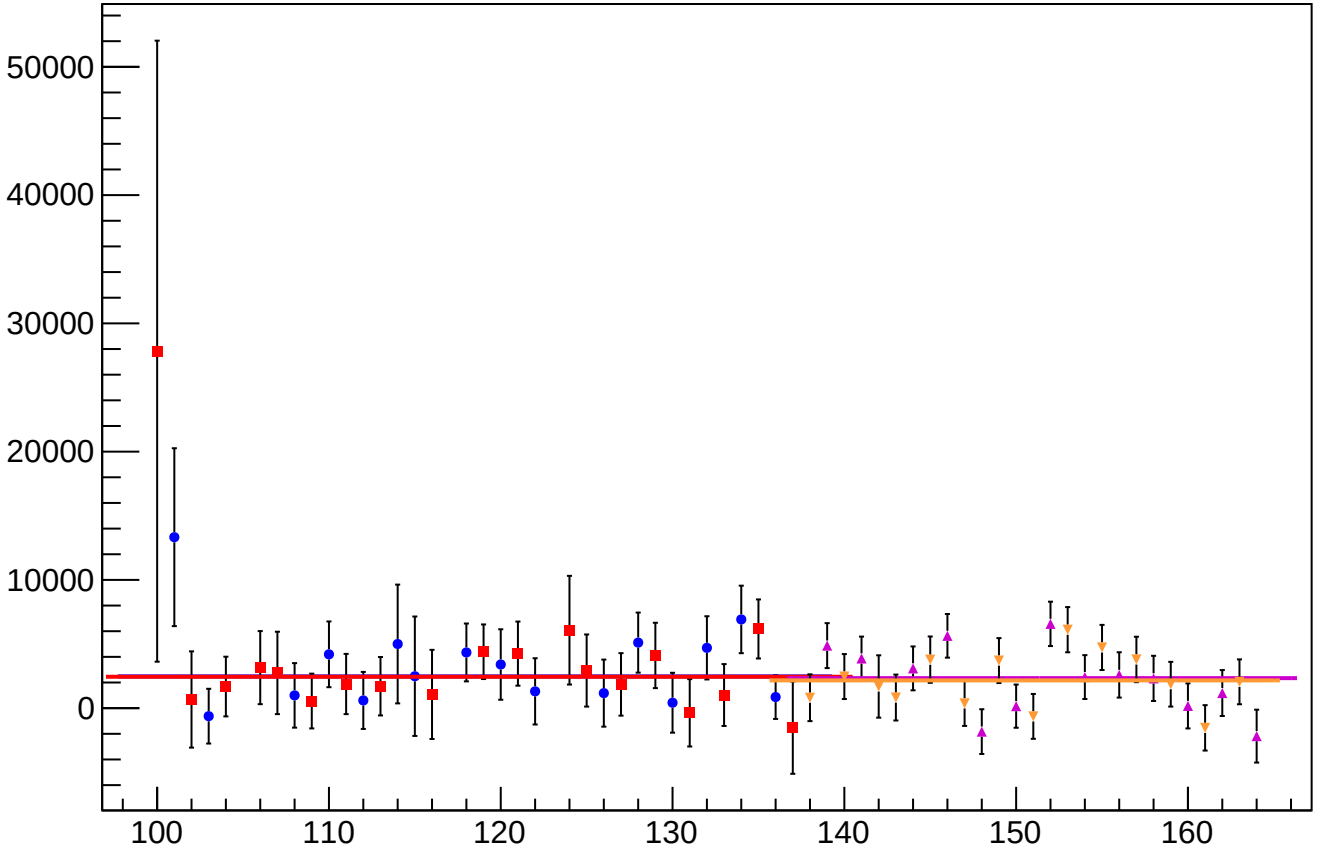
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 915.886+/-0.157 χ^2/NDF:1925414.6/28

Out: 879.503+/-0.151 χ^2/NDF:2443382.1/32

All: 896.983+/-0.109 χ^2/NDF: 4396732.3/61

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2165.769+/-480.587 χ^2/NDF:18.8/13

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2341.524+/-486.334 χ^2/NDF:27.0/12

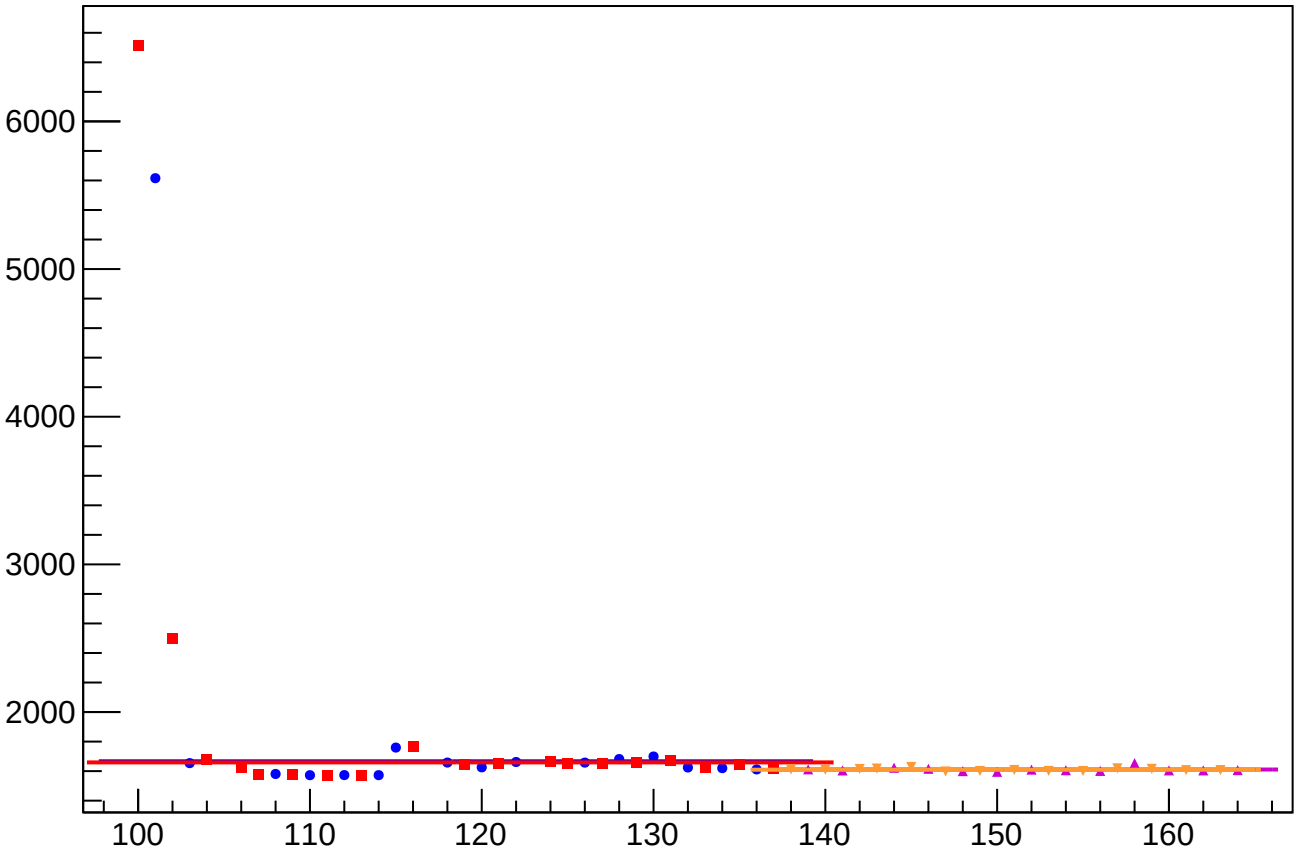
Left: 2252.602+/-341.840 χ^2/NDF: 45.9/26

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2391.067+/-385.849 χ^2/NDF:41.2/28

Out: 2272.624+/-379.268 χ^2/NDF:29.5/32

All: 2330.827+/-270.480 χ^2/NDF: 70.8/61



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.492+/-0.340 χ^2/NDF:581.6/13

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1610.818+/-0.344 χ^2/NDF:1729.2/12

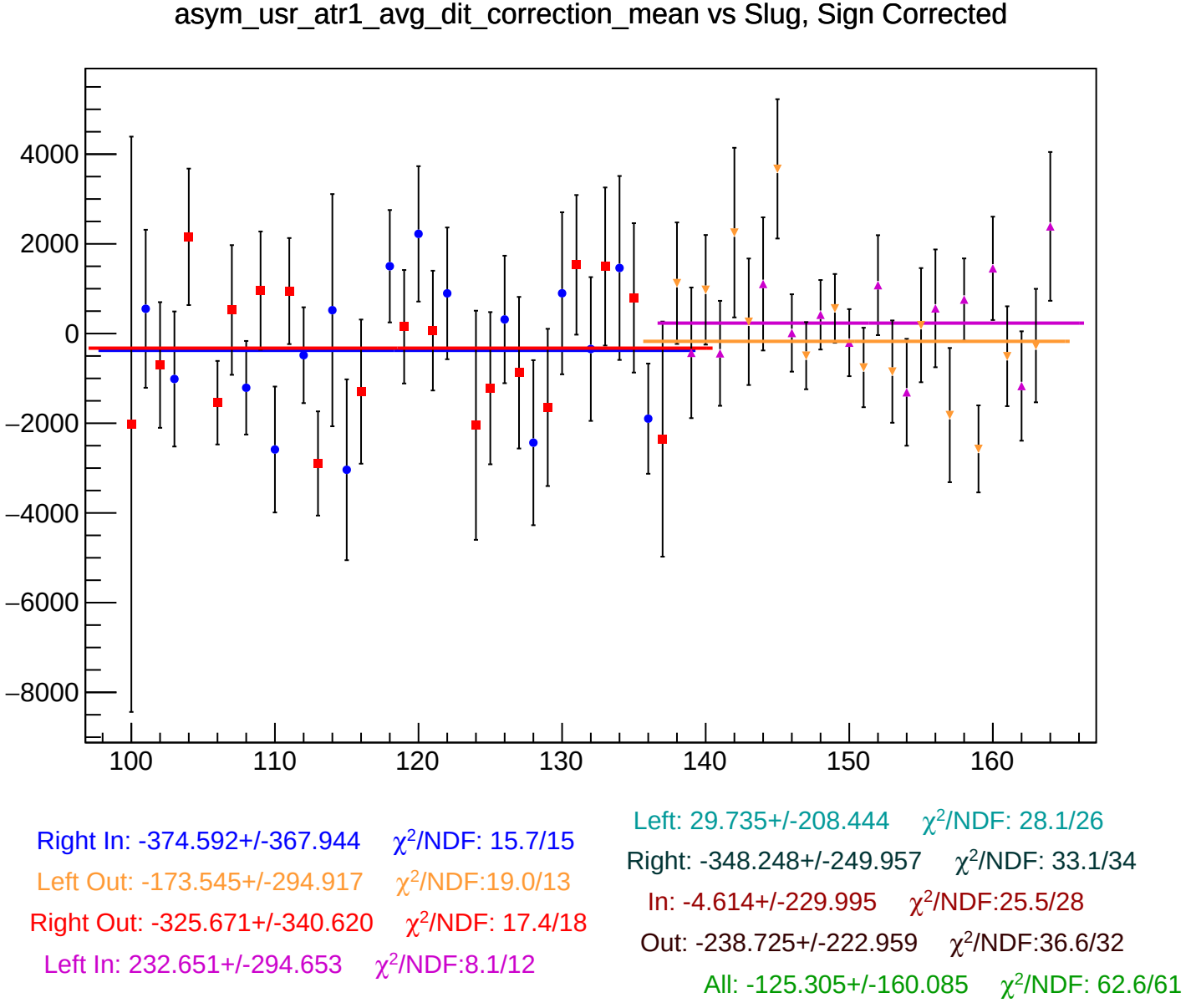
Left: 1610.147+/-0.242 χ^2/NDF: 2318.3/26

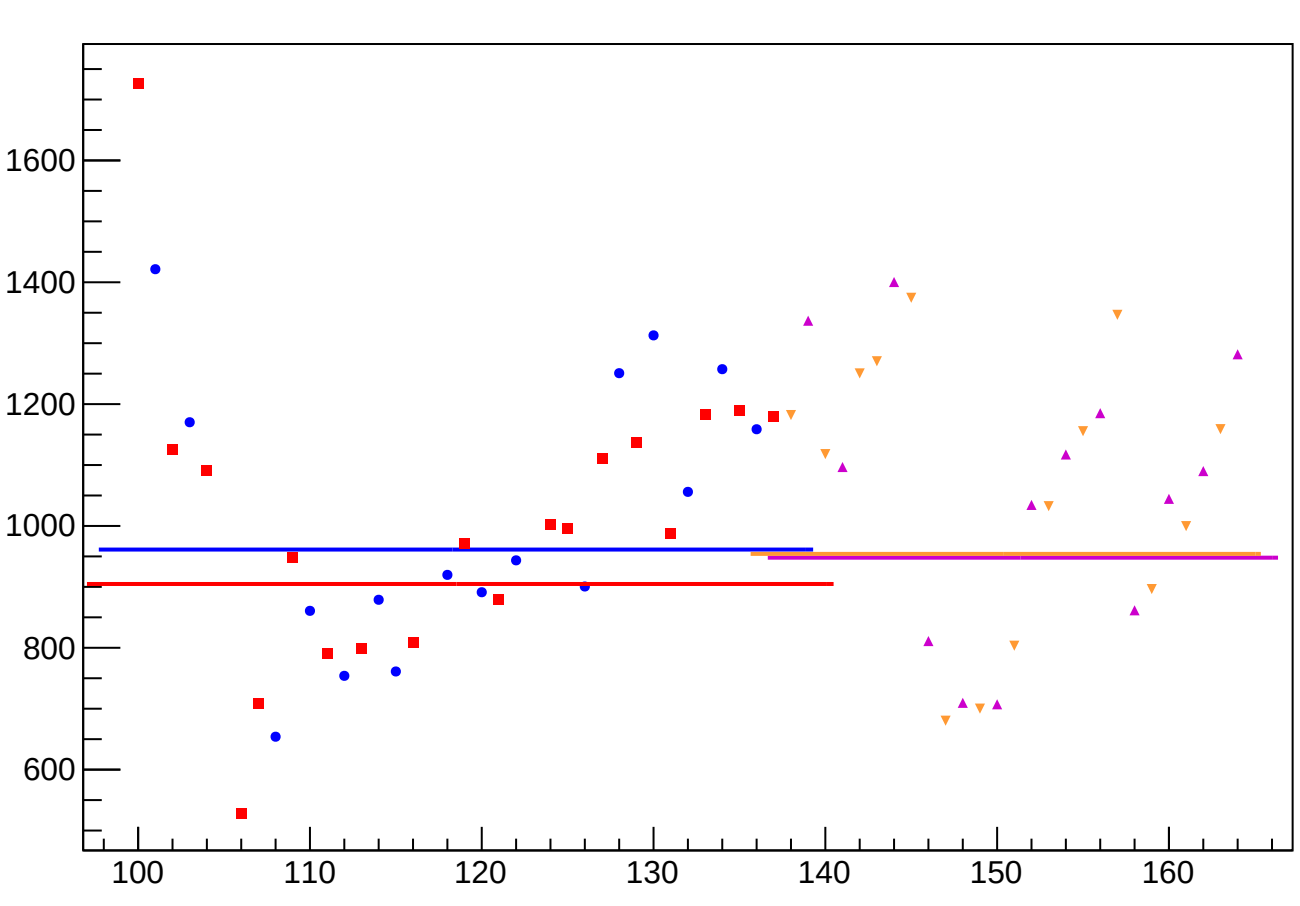
Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1631.413+/-0.273 χ^2/NDF:674323.5/28

Out: 1628.169+/-0.268 χ^2/NDF:201812.6/32

All: 1629.763+/-0.191 χ^2/NDF: 876208.1/61


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: -173.545+/-294.917 χ²/NDF:19.0/13
Right Out: -325.671+/-340.620 χ²/NDF: 17.4/18
Left In: 232.651+/-294.653 χ²/NDF:8.1/12
Left: 29.735+/-208.444 χ²/NDF: 28.1/26
Right: -348.248+/-249.957 χ²/NDF: 33.1/34
In: -4.614+/-229.995 χ²/NDF:25.5/28
Out: -238.725+/-222.959 χ²/NDF:36.6/32
All: -125.305+/-160.085 χ²/NDF: 62.6/61



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 954.149+/-0.209 χ^2/NDF:1193613.7/13

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 947.914+/-0.208 χ^2/NDF:1065213.2/12

Left: 951.029+/-0.147 χ^2/NDF: 2259274.2/26

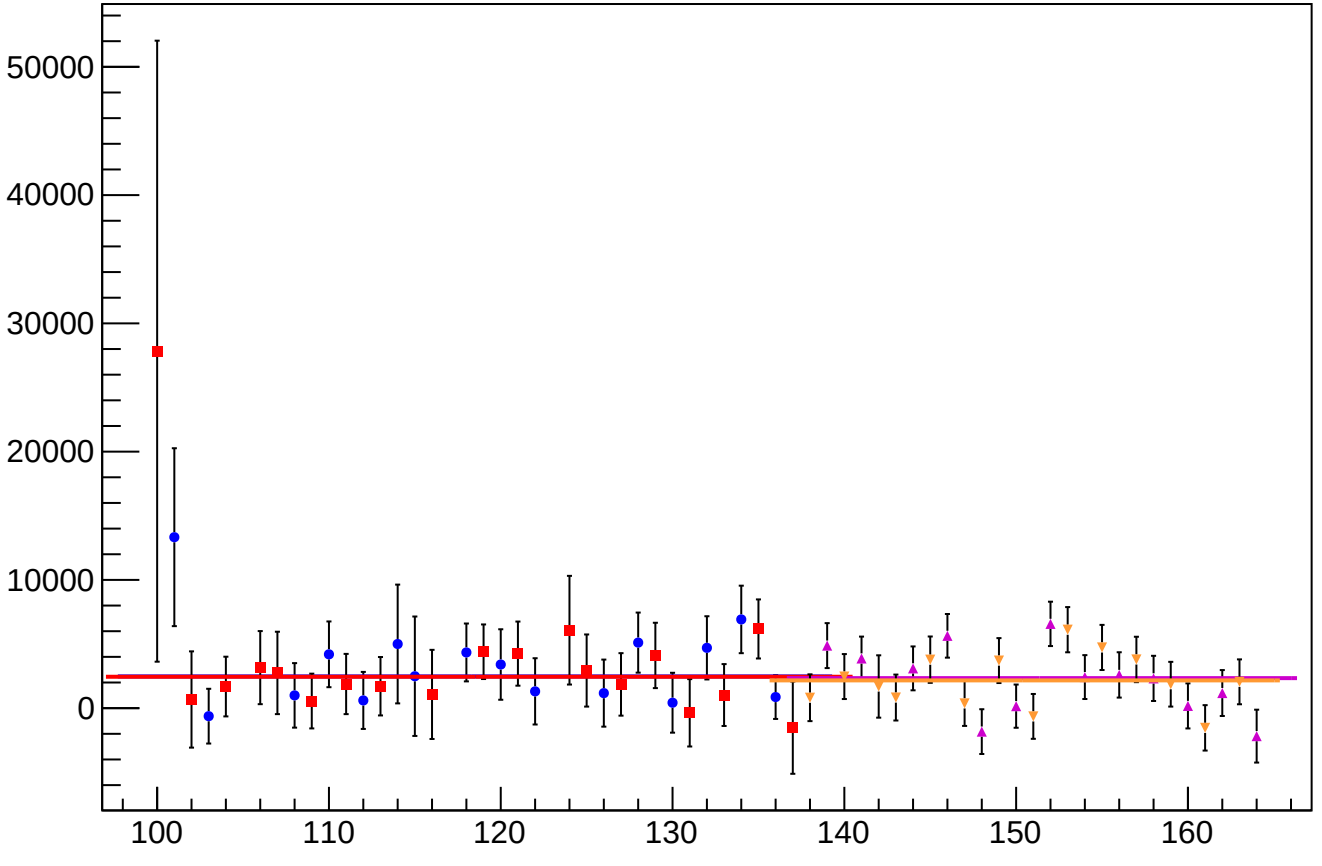
Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 953.122+/-0.163 χ^2/NDF:1758687.6/28

Out: 932.978+/-0.158 χ^2/NDF:1954154.0/32

All: 942.737+/-0.113 χ^2/NDF: 3720751.0/61

eigen_dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2165.768+/-480.587 χ^2/NDF:18.8/13

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2341.524+/-486.334 χ^2/NDF:27.0/12

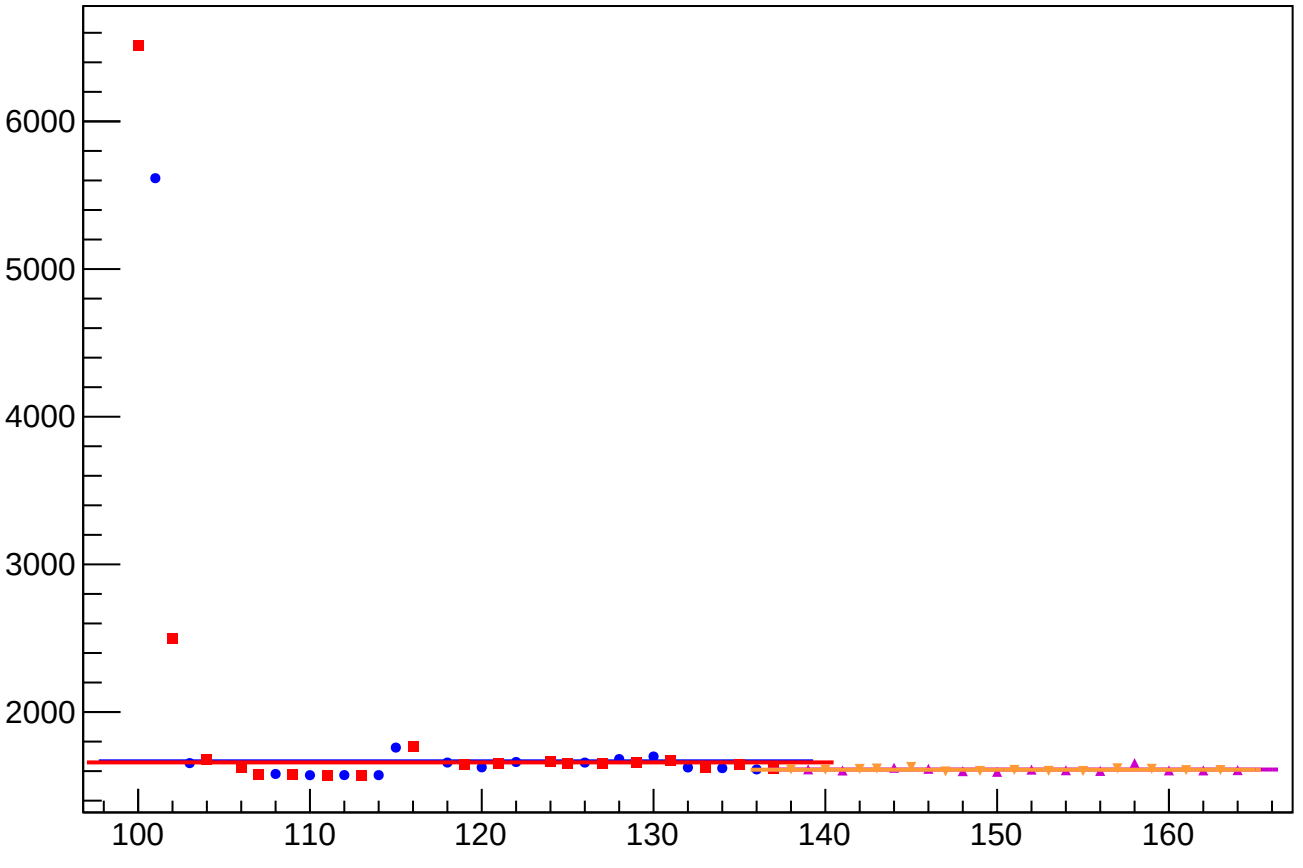
Left: 2252.601+/-341.840 χ^2/NDF: 45.9/26

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2391.067+/-385.849 χ^2/NDF:41.2/28

Out: 2272.623+/-379.268 χ^2/NDF:29.5/32

All: 2330.827+/-270.480 χ^2/NDF: 70.8/61



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.492+/-0.340 χ^2/NDF:581.6/13

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1610.818+/-0.344 χ^2/NDF:1729.2/12

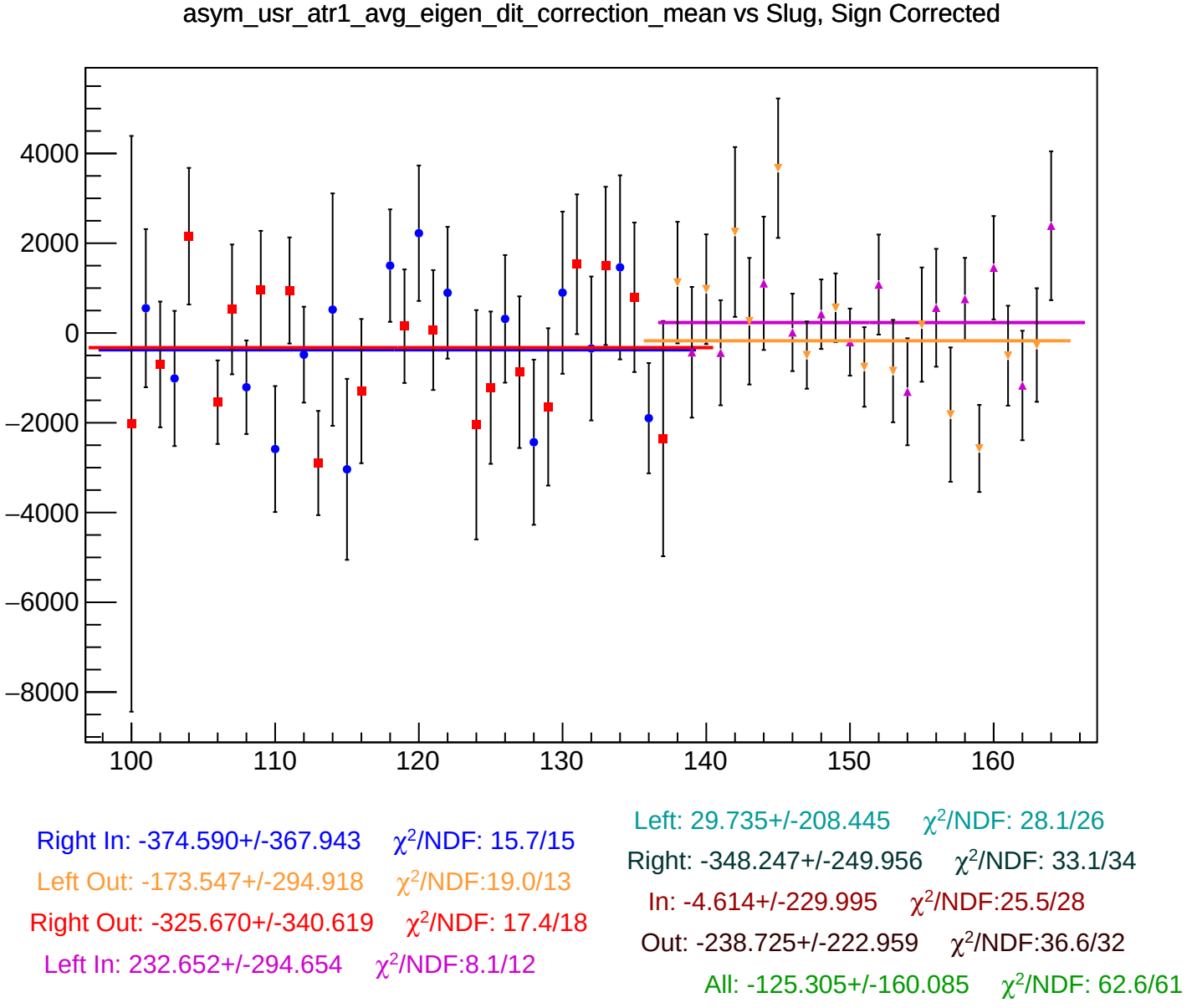
Left: 1610.147+/-0.242 χ^2/NDF: 2318.3/26

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

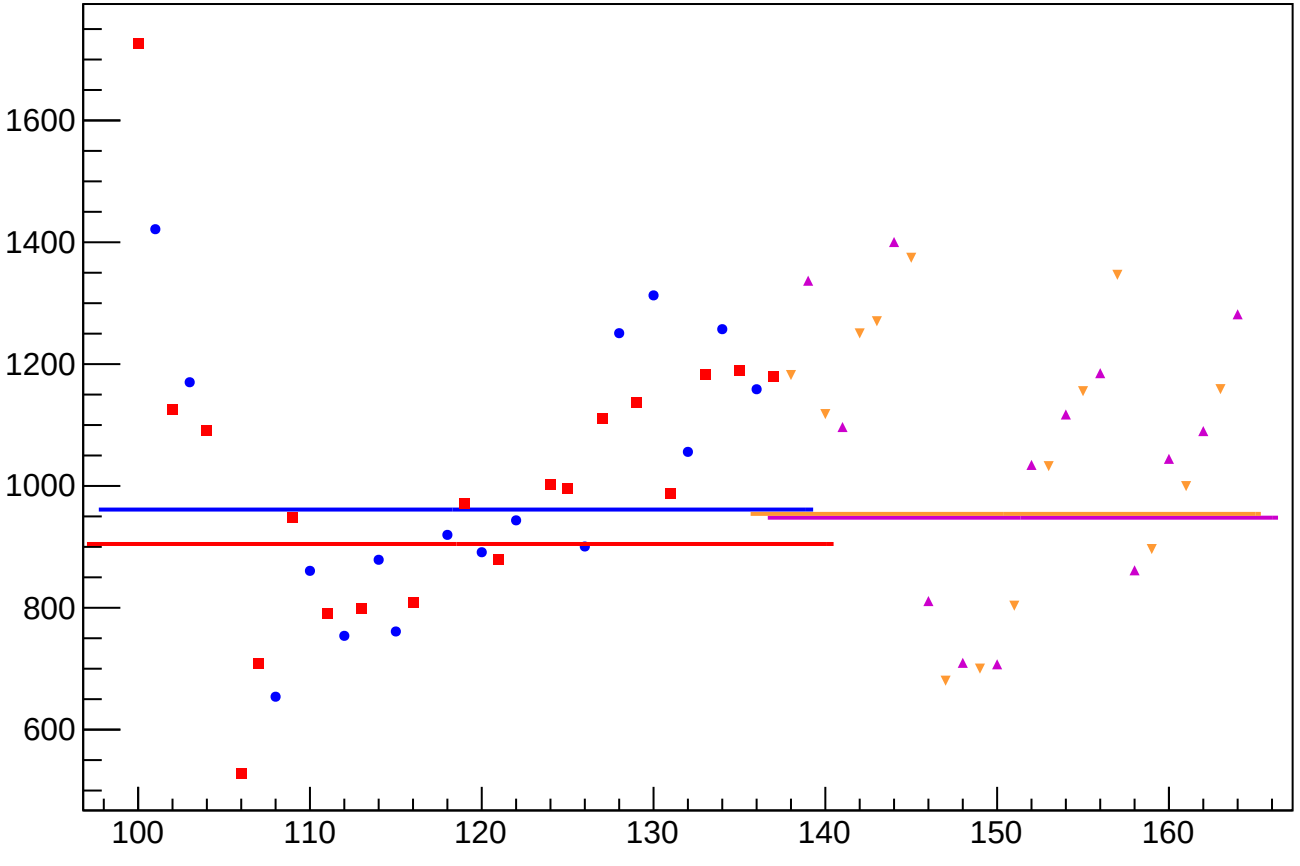
In: 1631.413+/-0.273 χ^2/NDF:674323.5/28

Out: 1628.169+/-0.268 χ^2/NDF:201812.4/32

All: 1629.763+/-0.191 χ^2/NDF: 876207.8/61


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: -173.547+/-294.918 χ²/NDF:19.0/13
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: 232.652+/-294.654 χ²/NDF:8.1/12
Left: 29.735+/-208.445 χ²/NDF: 28.1/26
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -4.614+/-229.995 χ²/NDF:25.5/28
Out: -238.725+/-222.959 χ²/NDF:36.6/32
All: -125.305+/-160.085 χ²/NDF: 62.6/61

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 954.151+/-0.209 χ^2/NDF:1193616.4/13

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 947.916+/-0.208 χ^2/NDF:1065216.1/12

Left: 951.031+/-0.147 χ^2/NDF: 2259279.9/26

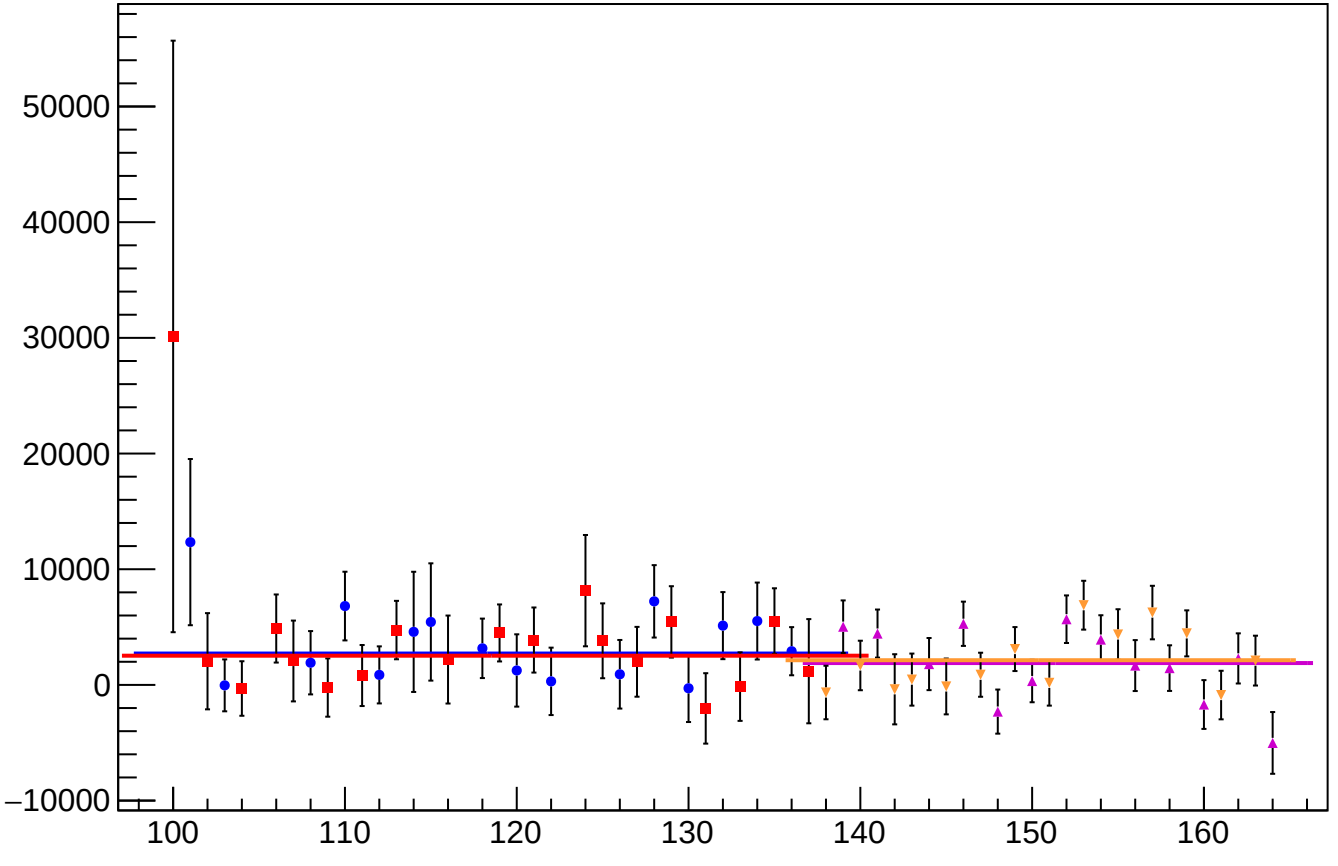
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 953.122+/-0.163 χ^2/NDF:1758697.1/28

Out: 932.978+/-0.158 χ^2/NDF:1954158.5/32

All: 942.737+/-0.113 χ^2/NDF: 3720764.8/61

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2134.425+/-576.380 χ^2/NDF:18.0/13

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 1889.858+/-580.108 χ^2/NDF:26.1/12

Left: 2012.930+/-408.874 χ^2/NDF: 44.2/26

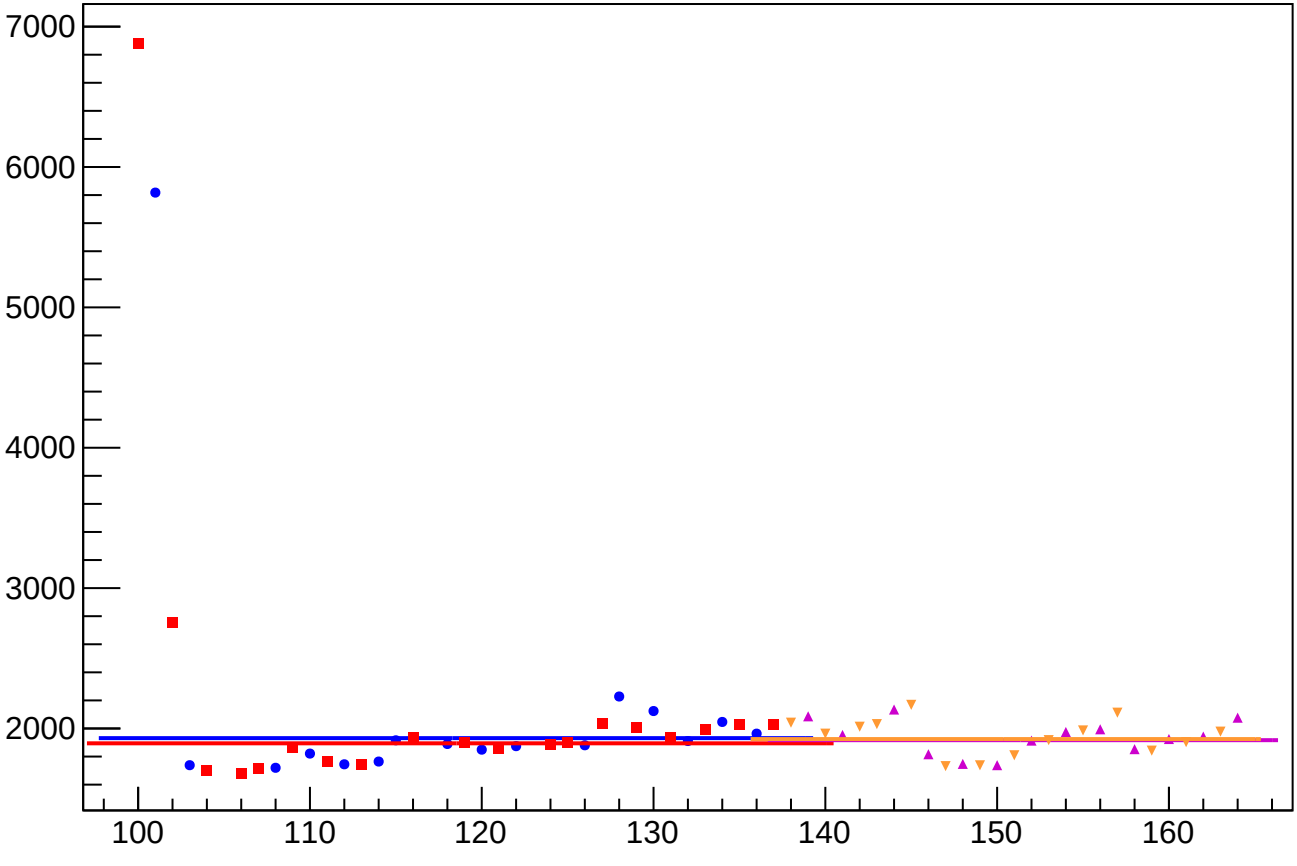
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2205.143+/-455.385 χ^2/NDF:39.0/28

Out: 2290.729+/-446.596 χ^2/NDF:31.4/32

All: 2248.770+/-318.853 χ^2/NDF: 70.5/61

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1924.560+/-0.408 χ^2/NDF:98743.8/13

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1916.731+/-0.410 χ^2/NDF:84292.5/12

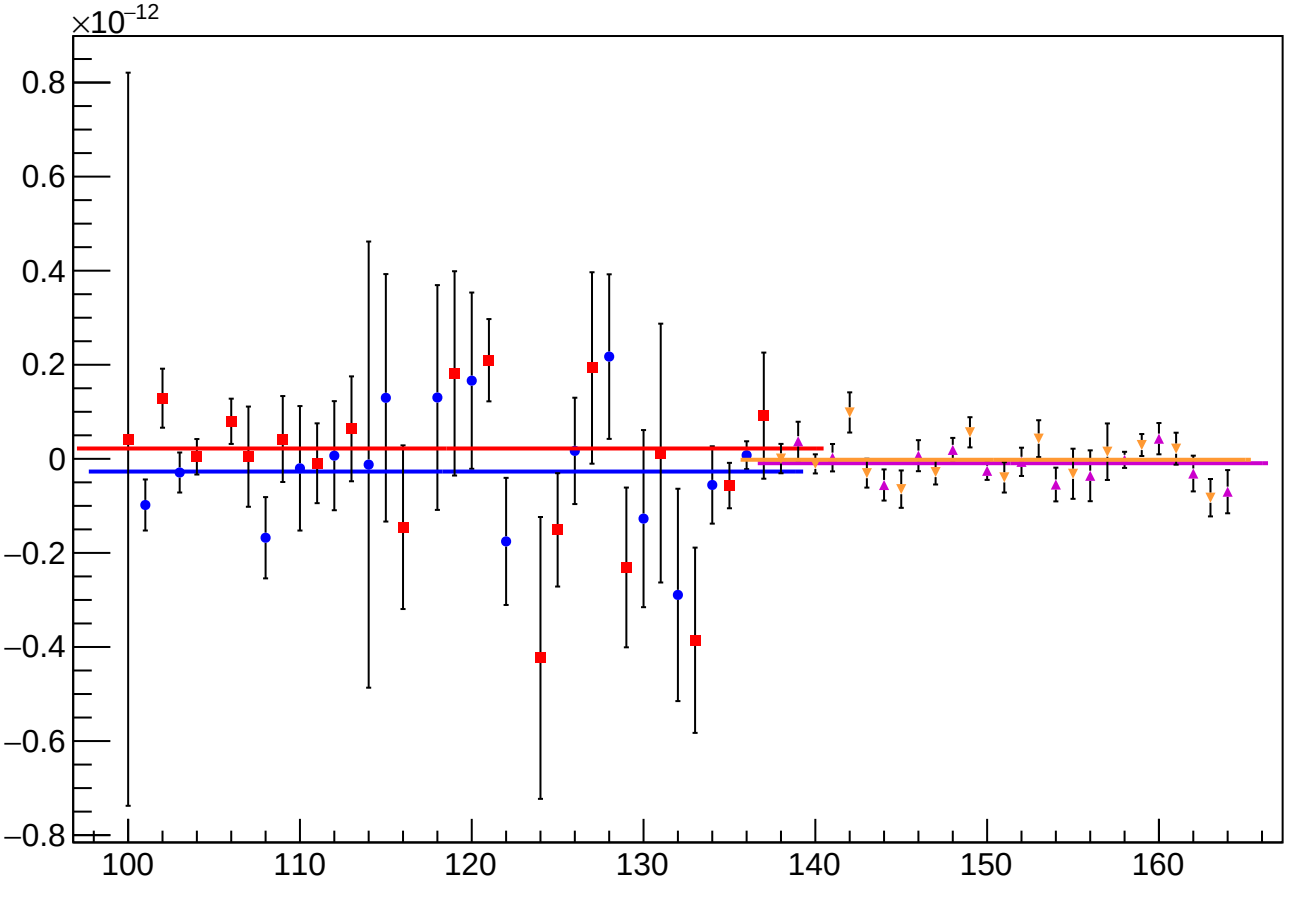
Left: 1920.671+/-0.289 χ^2/NDF: 183219.6/26

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1922.303+/-0.322 χ^2/NDF:746000.4/28

Out: 1912.486+/-0.316 χ^2/NDF:321480.7/32

All: 1917.299+/-0.225 χ^2/NDF: 1067954.9/61



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/12

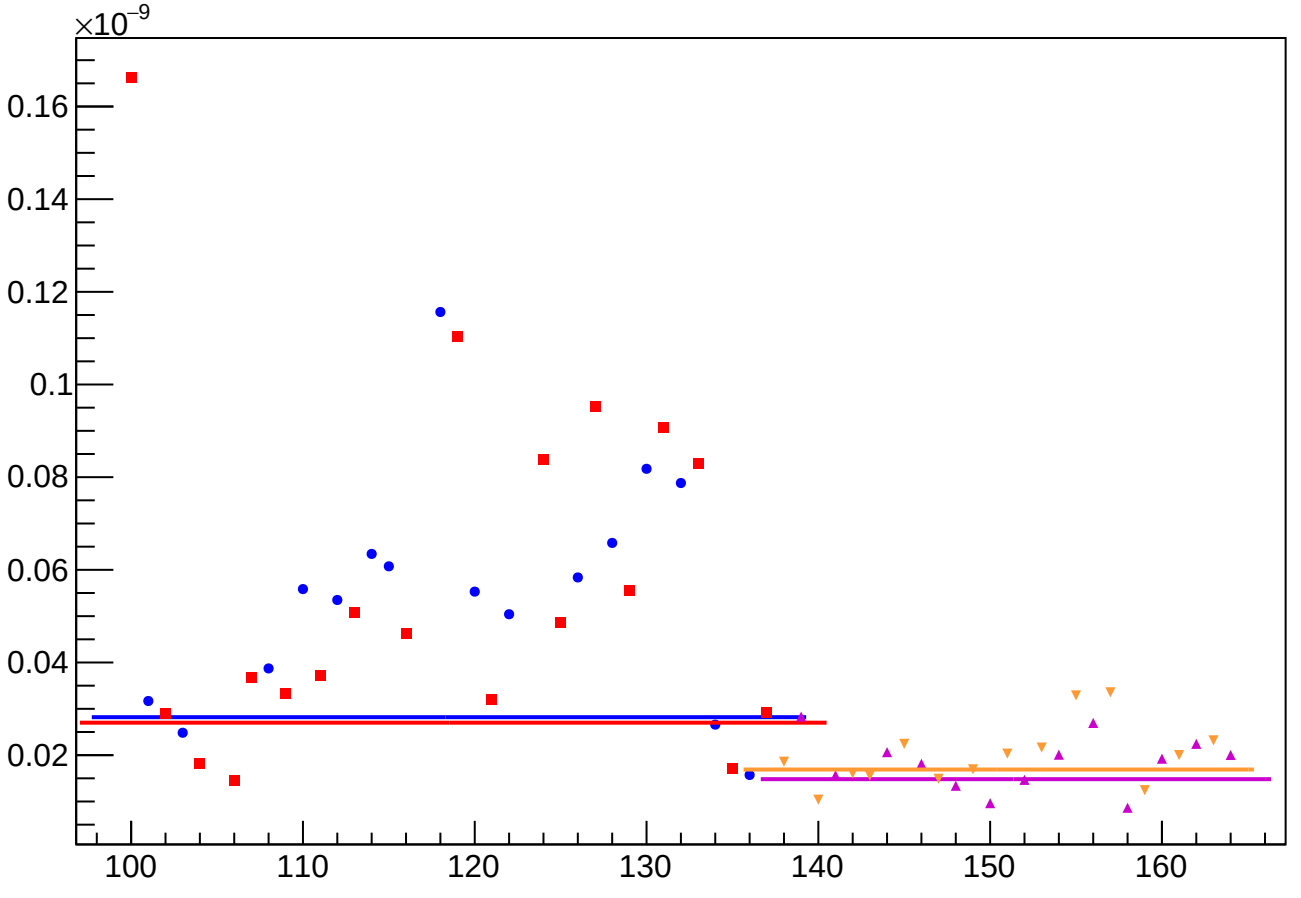
Left: -0.000+/-0.000 χ^2/NDF: 35.3/26

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:25.6/28

Out: 0.000+/-0.000 χ^2/NDF:49.5/32

All: -0.000+/-0.000 χ^2/NDF: 76.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:791251.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:990451.2/12

Left: 0.000+/-0.000 χ^2/NDF: 1844874.1/26

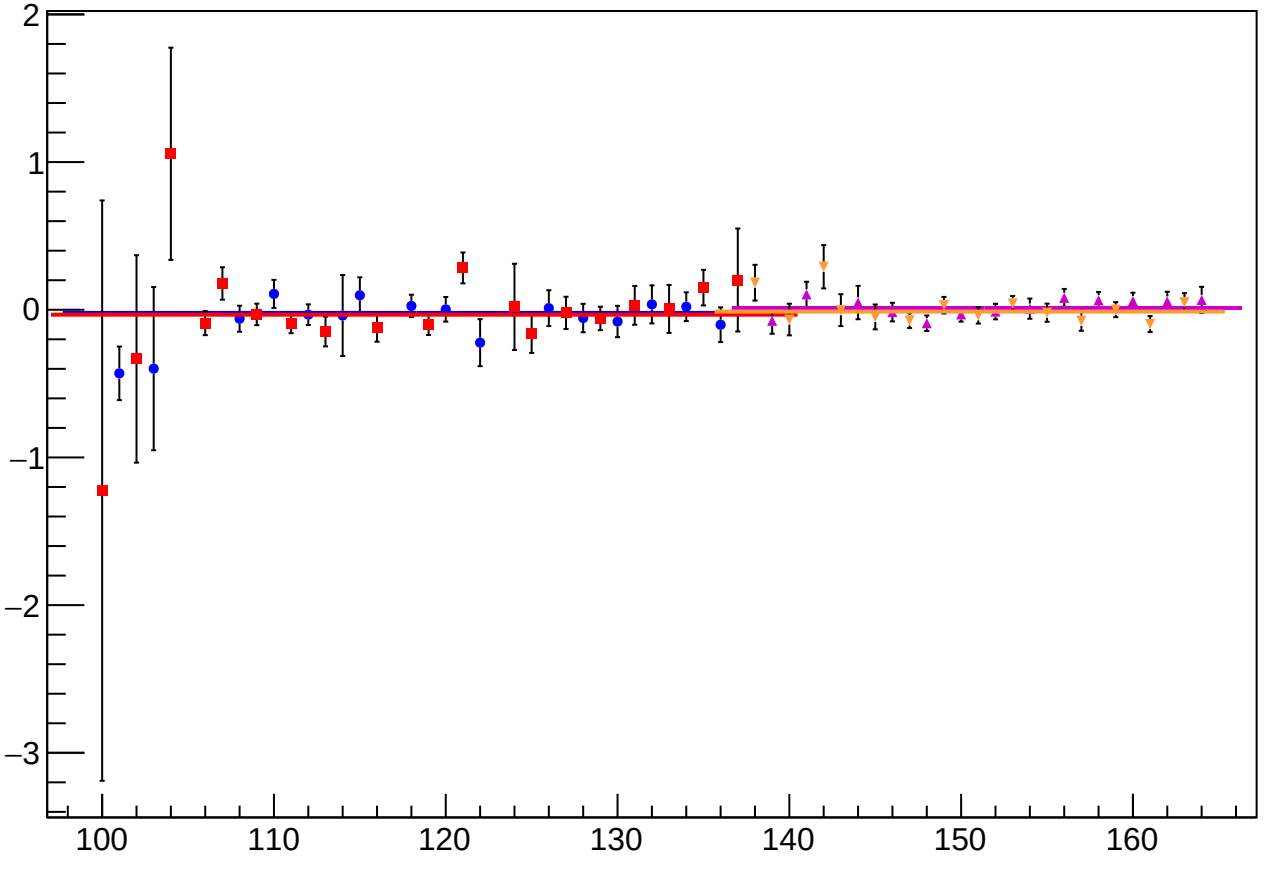
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3310469.6/28

Out: 0.000+/-0.000 χ^2/NDF:2803170.9/32

All: 0.000+/-0.000 χ^2/NDF: 6165622.3/61

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.017 χ^2/NDF:15.0/13

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.012+/-0.018 χ^2/NDF:11.0/12

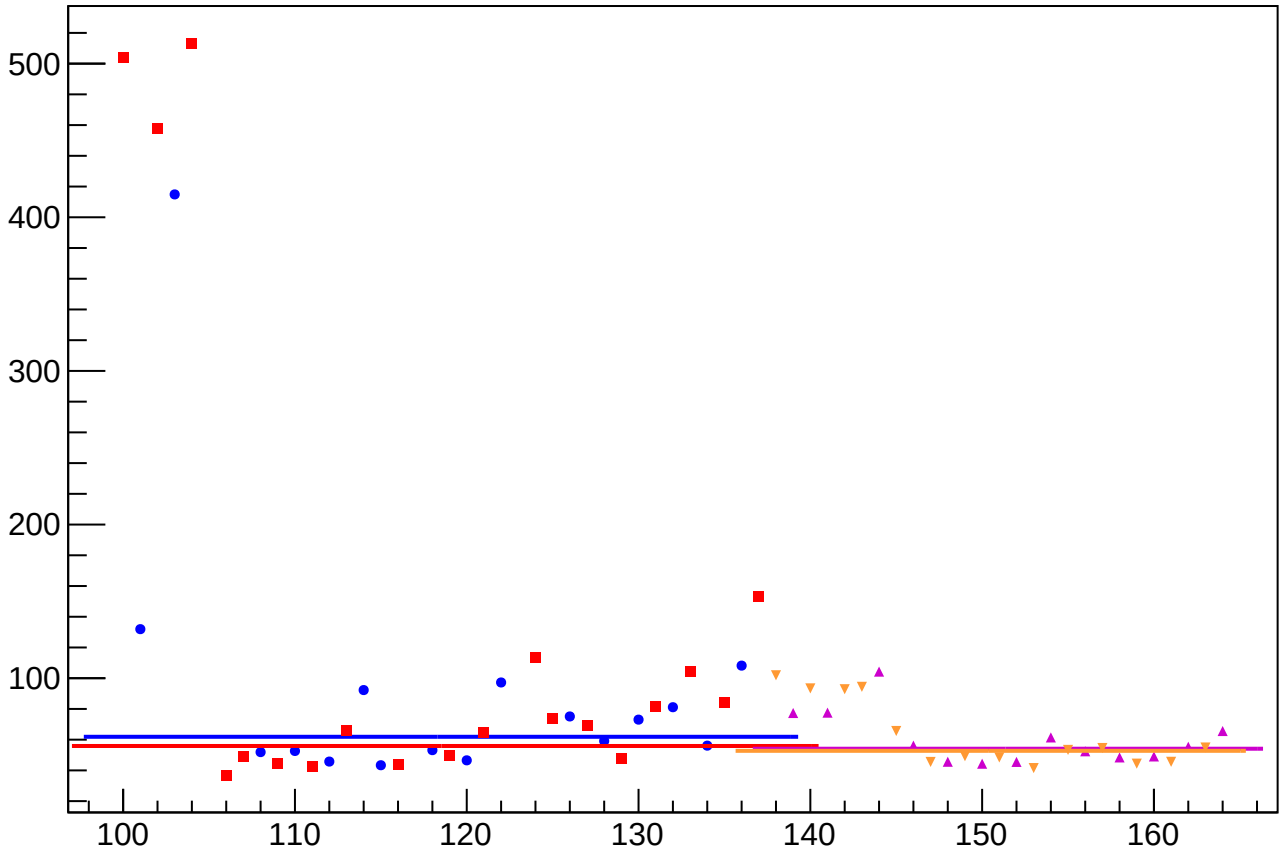
Left: -0.000+/-0.012 χ^2/NDF: 26.9/26

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: 0.002+/-0.015 χ^2/NDF:24.1/28

Out: -0.019+/-0.014 χ^2/NDF:39.9/32

All: -0.009+/-0.010 χ^2/NDF: 65.0/61



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 52.744+/-0.012 χ^2/NDF:1363418.0/13

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.104+/-0.012 χ^2/NDF:966654.0/12

Left: 53.415+/-0.009 χ^2/NDF: 2336086.6/26

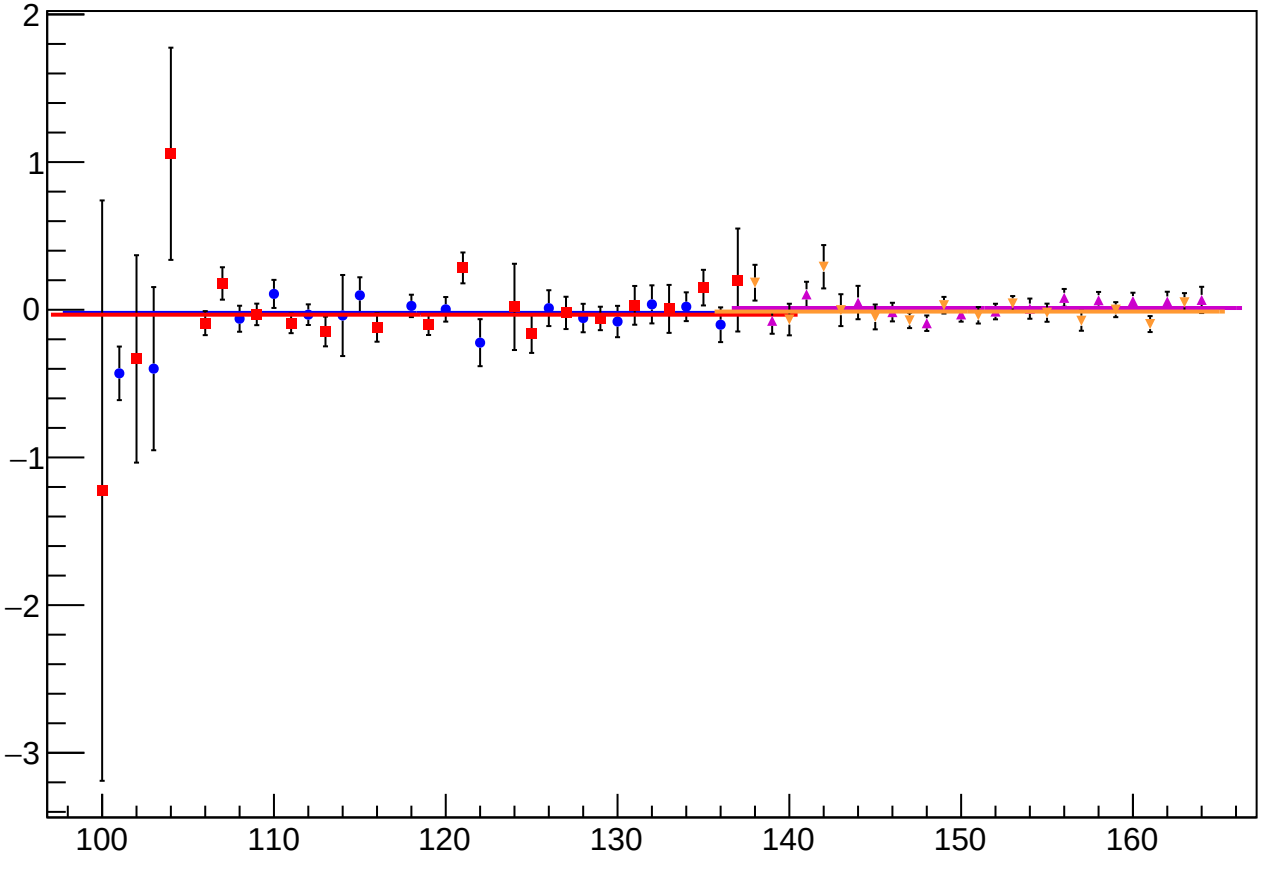
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.486+/-0.010 χ^2/NDF:3023401.7/28

Out: 53.795+/-0.010 χ^2/NDF:3976458.7/32

All: 55.095+/-0.007 χ^2/NDF: 7034506.7/61

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: -0.012+/-0.017 χ^2/NDF:15.0/13

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.012+/-0.018 χ^2/NDF:11.0/12

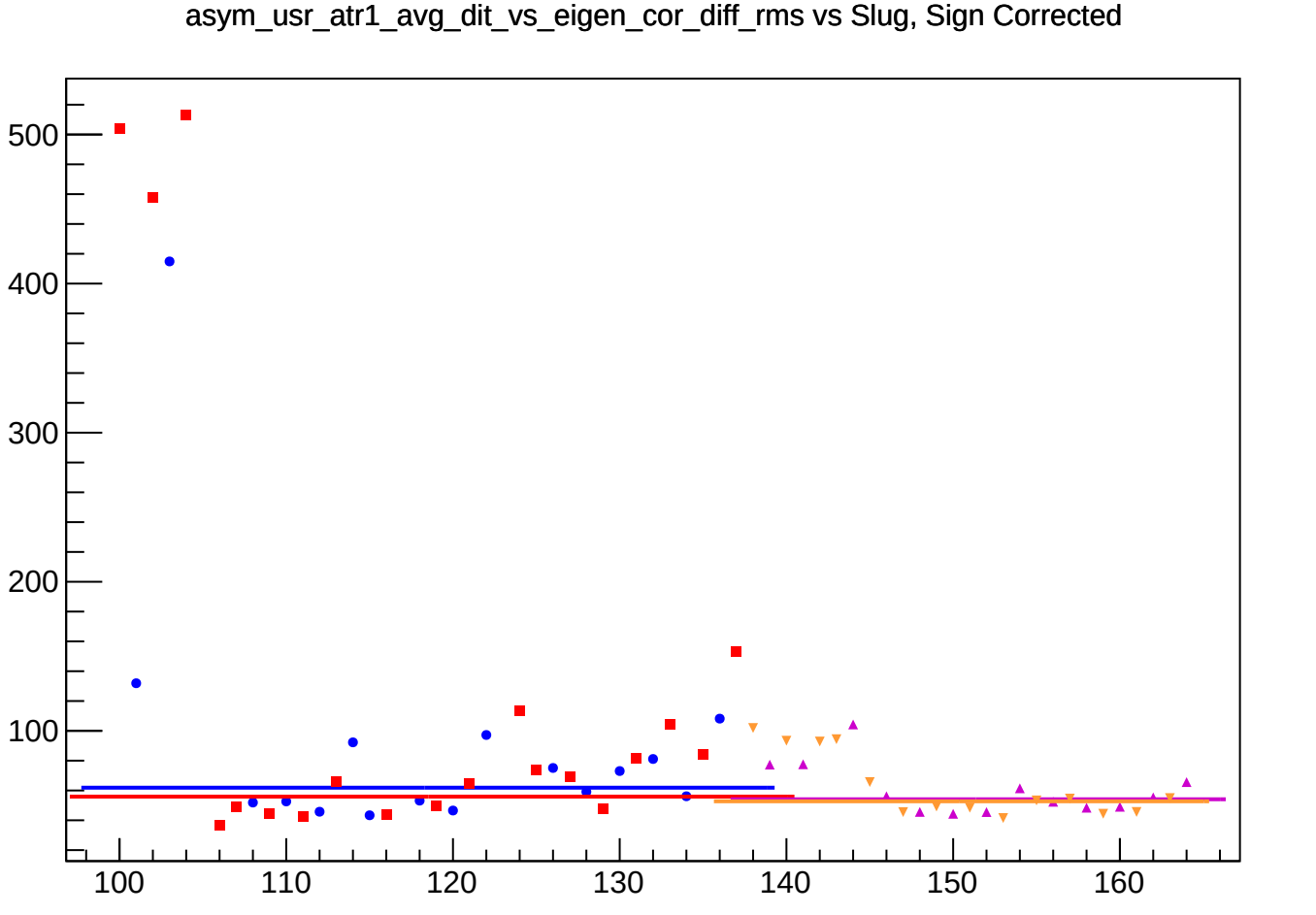
Left: -0.000+/-0.012 χ^2/NDF: 26.9/26

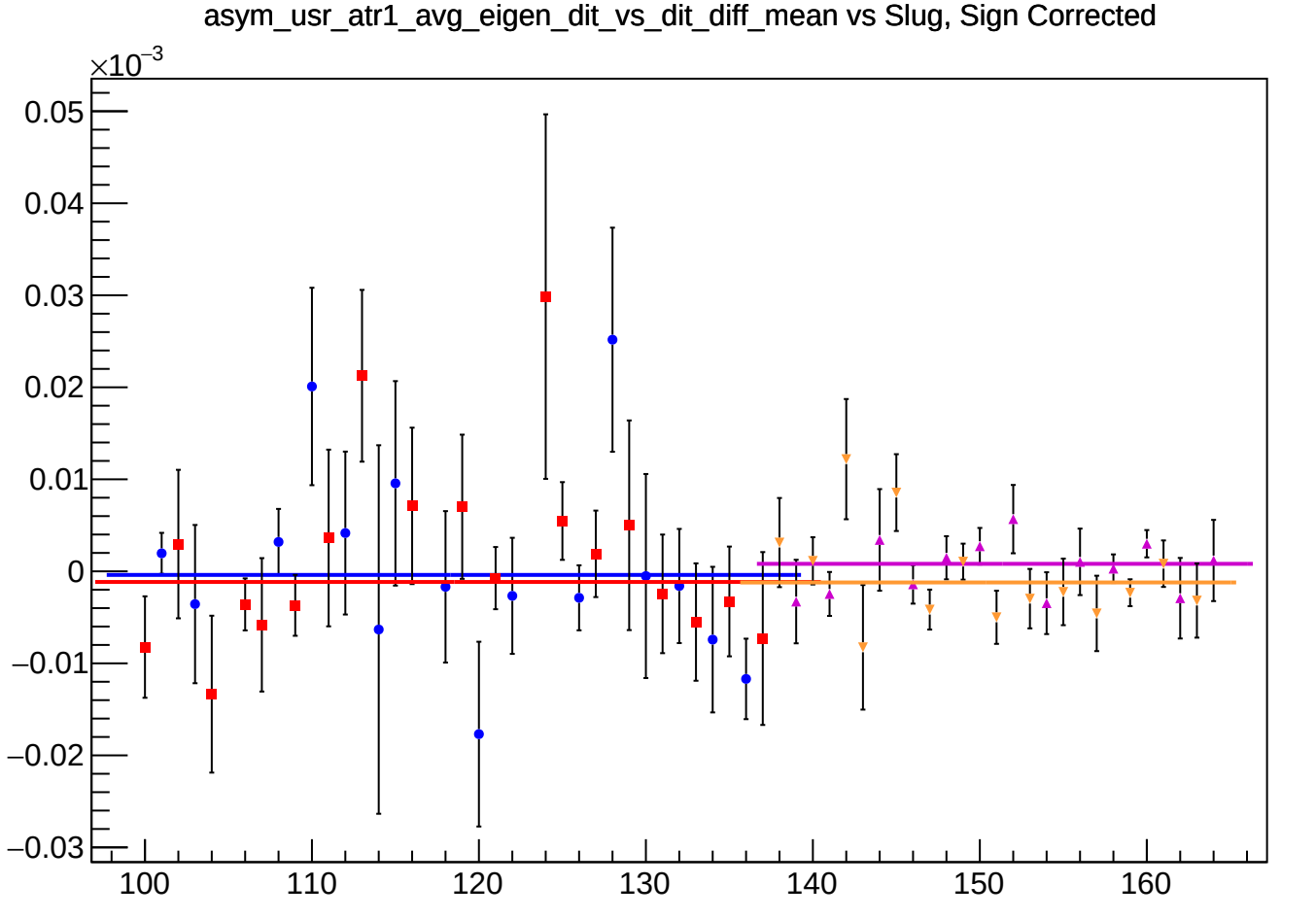
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: 0.002+/-0.015 χ^2/NDF:24.1/28

Out: -0.019+/-0.014 χ^2/NDF:39.9/32

All: -0.009+/-0.010 χ^2/NDF: 65.0/61


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
160
Right In: 61.876+/-0.019 χ²/NDF: 1937953.9/15
Left Out: 52.744+/-0.012 χ²/NDF:1363418.0/13
Right Out: 55.887+/-0.017 χ²/NDF: 2591275.8/18
Left In: 54.104+/-0.012 χ²/NDF:966654.0/12
Left: 53.415+/-0.009 χ²/NDF: 2336086.6/26
Right: 58.651+/-0.013 χ²/NDF: 4584001.9/34
In: 56.486+/-0.010 χ²/NDF:3023401.7/28
Out: 53.795+/-0.010 χ²/NDF:3976458.7/32
All: 55.095+/-0.007 χ²/NDF: 7034506.7/61



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

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

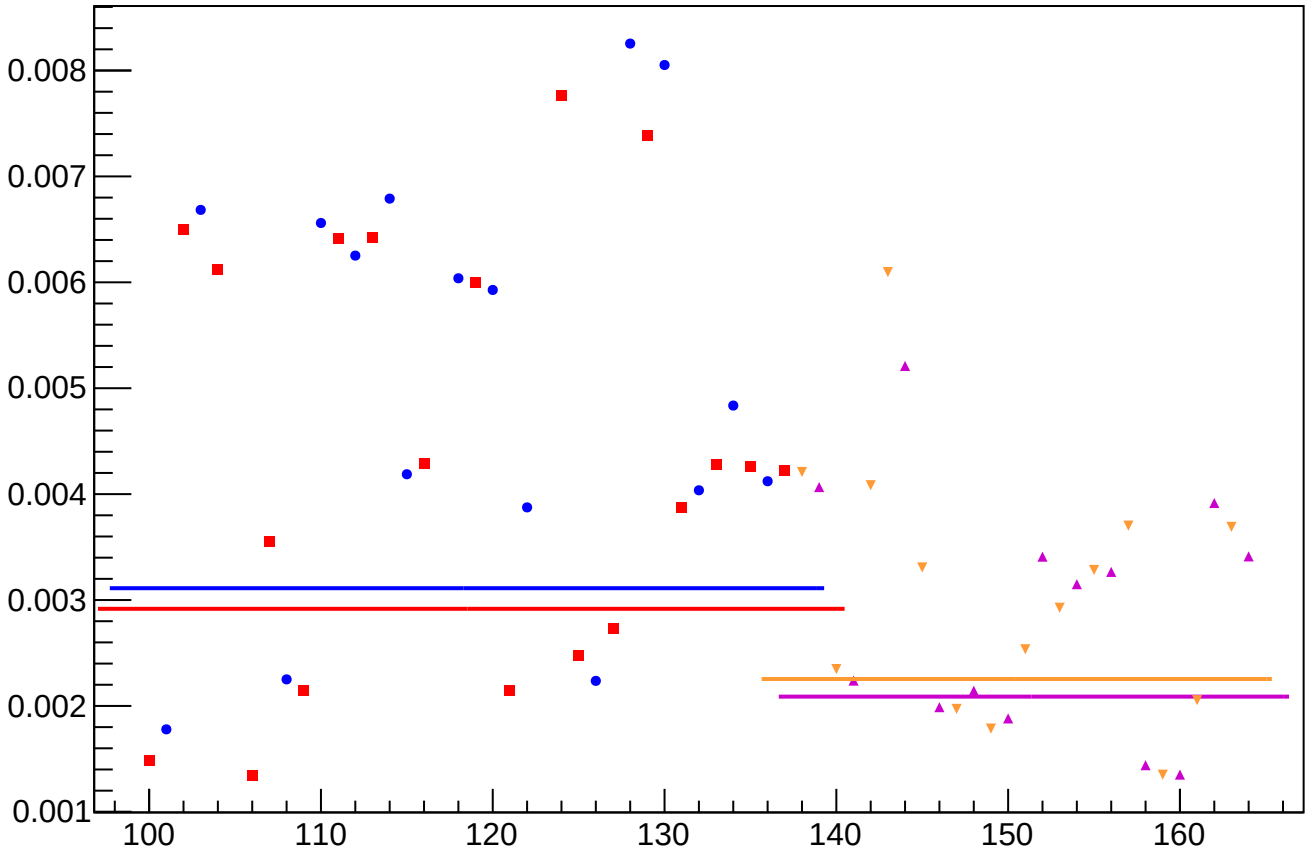
Left: -0.000+/-0.000 χ^2/NDF: 35.2/26

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:34.6/28

Out: -0.000+/-0.000 χ^2/NDF:40.3/32

All: -0.000+/-0.000 χ^2/NDF: 78.9/61



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:2953582.5/13

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:3090331.0/12

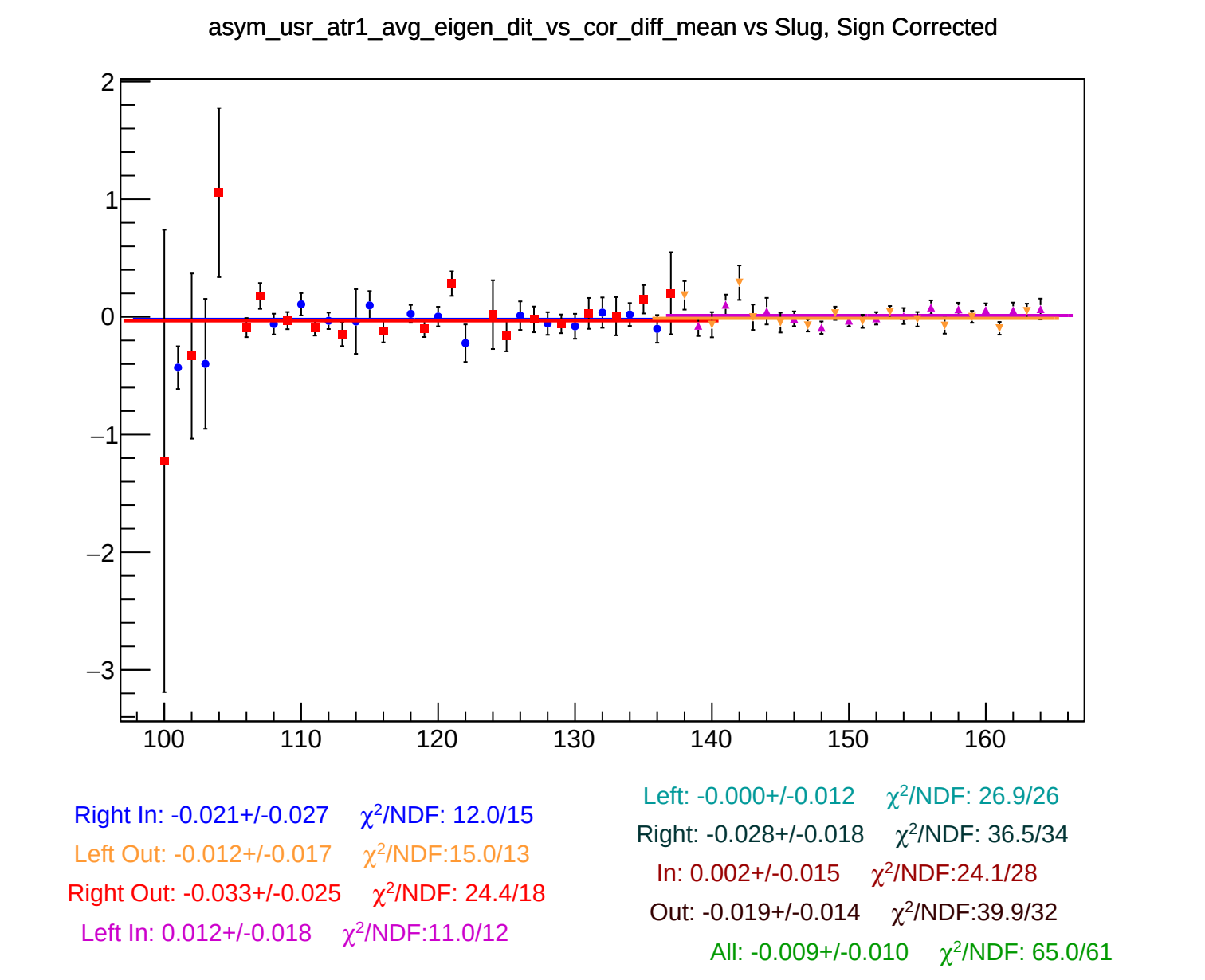
Left: 0.002+/-0.000 χ^2/NDF: 6098076.1/26

Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

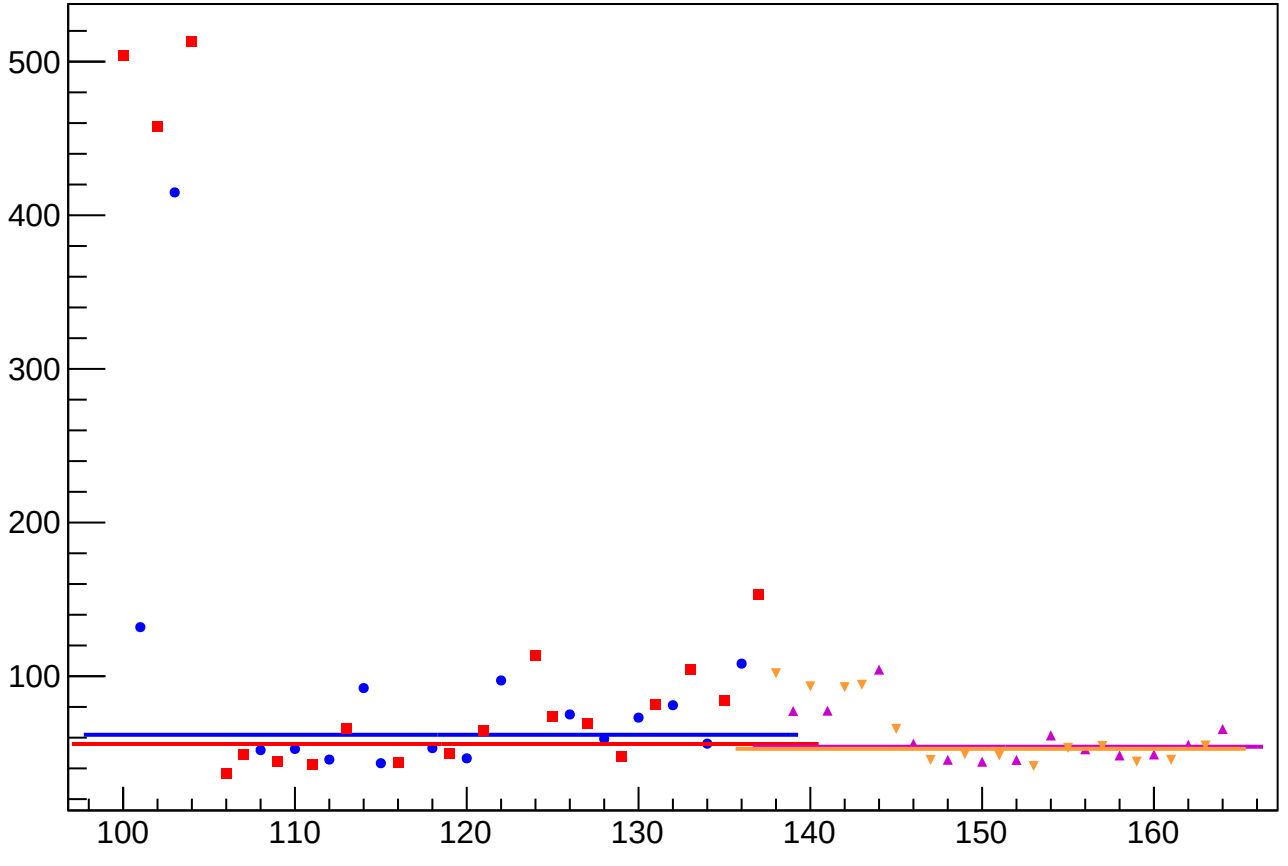
In: 0.002+/-0.000 χ^2/NDF:7309185.1/28

Out: 0.002+/-0.000 χ^2/NDF:6663163.9/32

All: 0.002+/-0.000 χ^2/NDF: 14012197.1/61


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.012+/-0.017 χ²/NDF:15.0/13
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: 0.012+/-0.018 χ²/NDF:11.0/12
Left: -0.000+/-0.012 χ²/NDF: 26.9/26
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: 0.002+/-0.015 χ²/NDF:24.1/28
Out: -0.019+/-0.014 χ²/NDF:39.9/32
All: -0.009+/-0.010 χ²/NDF: 65.0/61

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: 52.744+/-0.012 χ^2/NDF:1363450.9/13

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.104+/-0.012 χ^2/NDF:966636.2/12

Left: 53.415+/-0.009 χ^2/NDF: 2336103.9/26

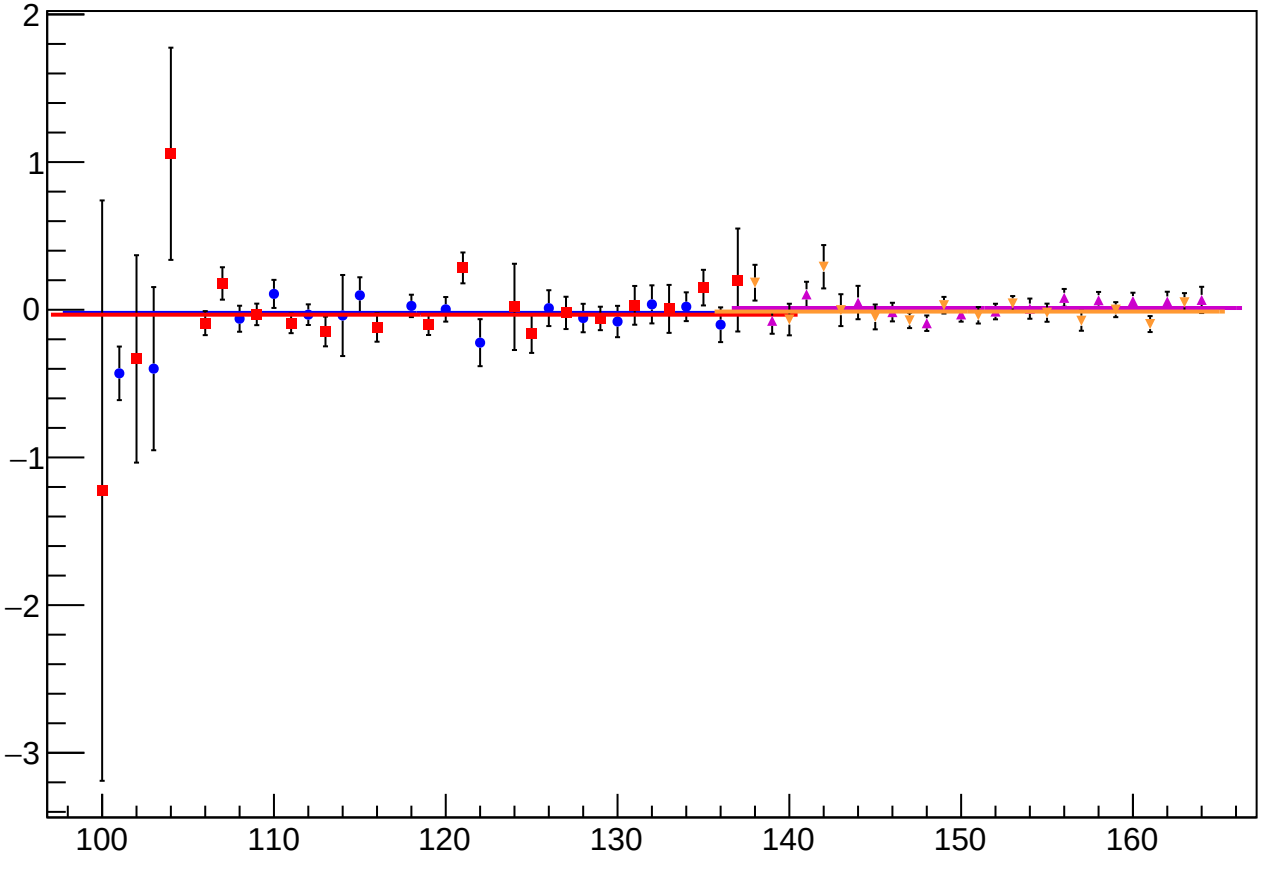
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.486+/-0.010 χ^2/NDF:3023312.1/28

Out: 53.794+/-0.010 χ^2/NDF:3976440.7/32

All: 55.095+/-0.007 χ^2/NDF: 7034406.2/61

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: -0.012+/-0.017 χ^2/NDF:15.0/13

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.012+/-0.018 χ^2/NDF:11.0/12

Left: -0.000+/-0.012 χ^2/NDF: 26.9/26

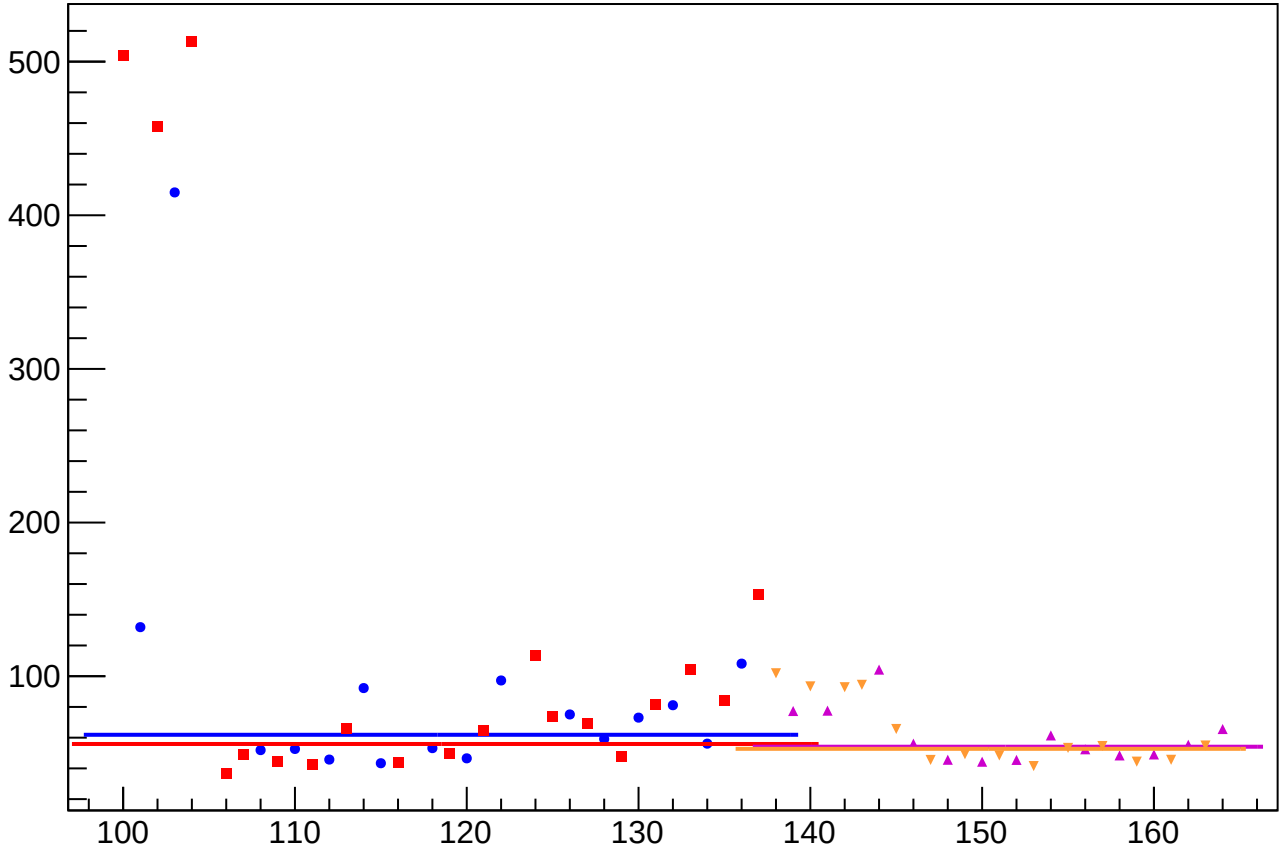
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: 0.002+/-0.015 χ^2/NDF:24.1/28

Out: -0.019+/-0.014 χ^2/NDF:39.9/32

All: -0.009+/-0.010 χ^2/NDF: 65.0/61

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 52.744+/-0.012 χ^2/NDF:1363450.9/13

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.104+/-0.012 χ^2/NDF:966636.2/12

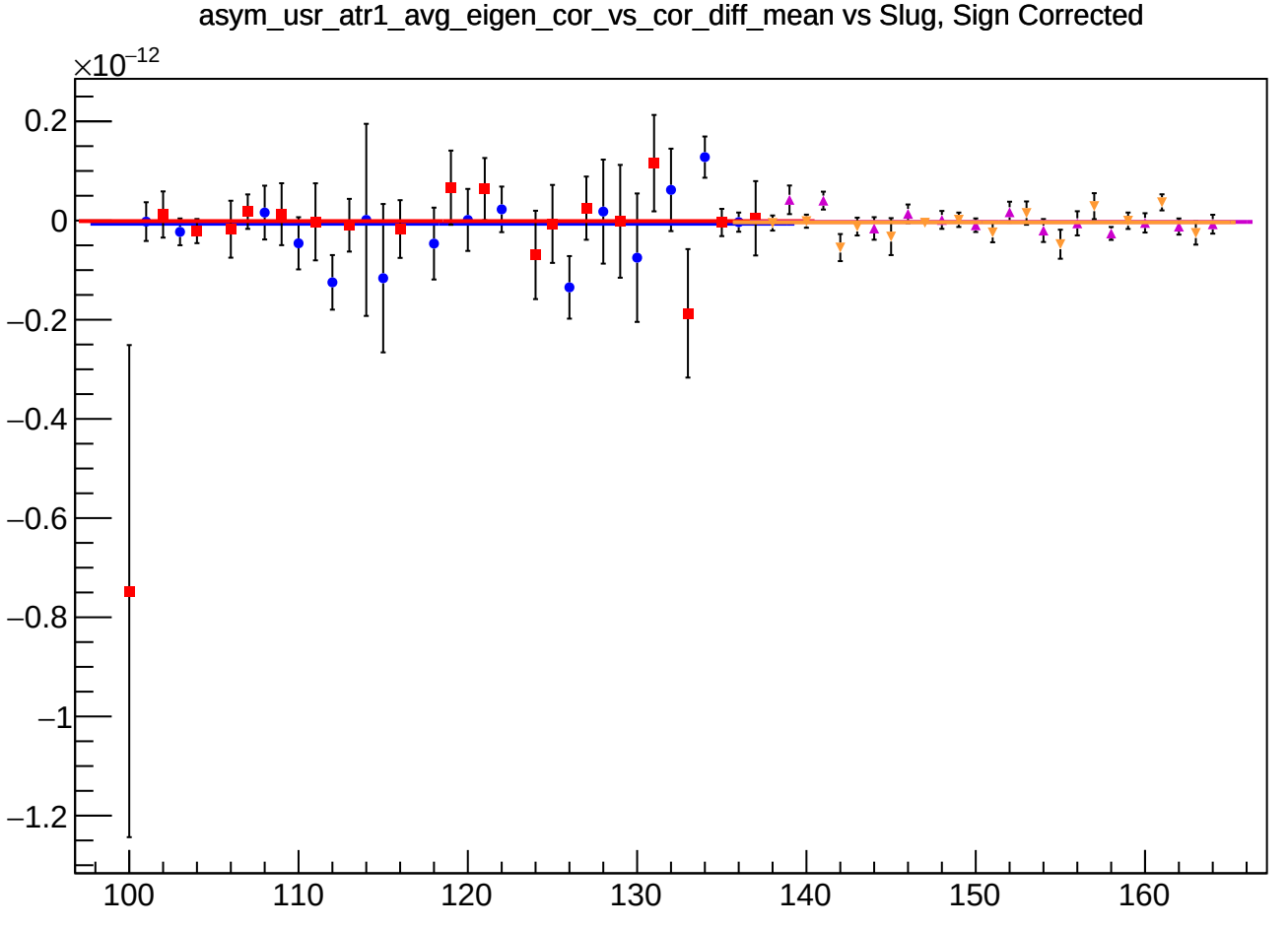
Left: 53.415+/-0.009 χ^2/NDF: 2336103.9/26

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.486+/-0.010 χ^2/NDF:3023312.1/28

Out: 53.794+/-0.010 χ^2/NDF:3976440.7/32

All: 55.095+/-0.007 χ^2/NDF: 7034406.2/61



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.4/12

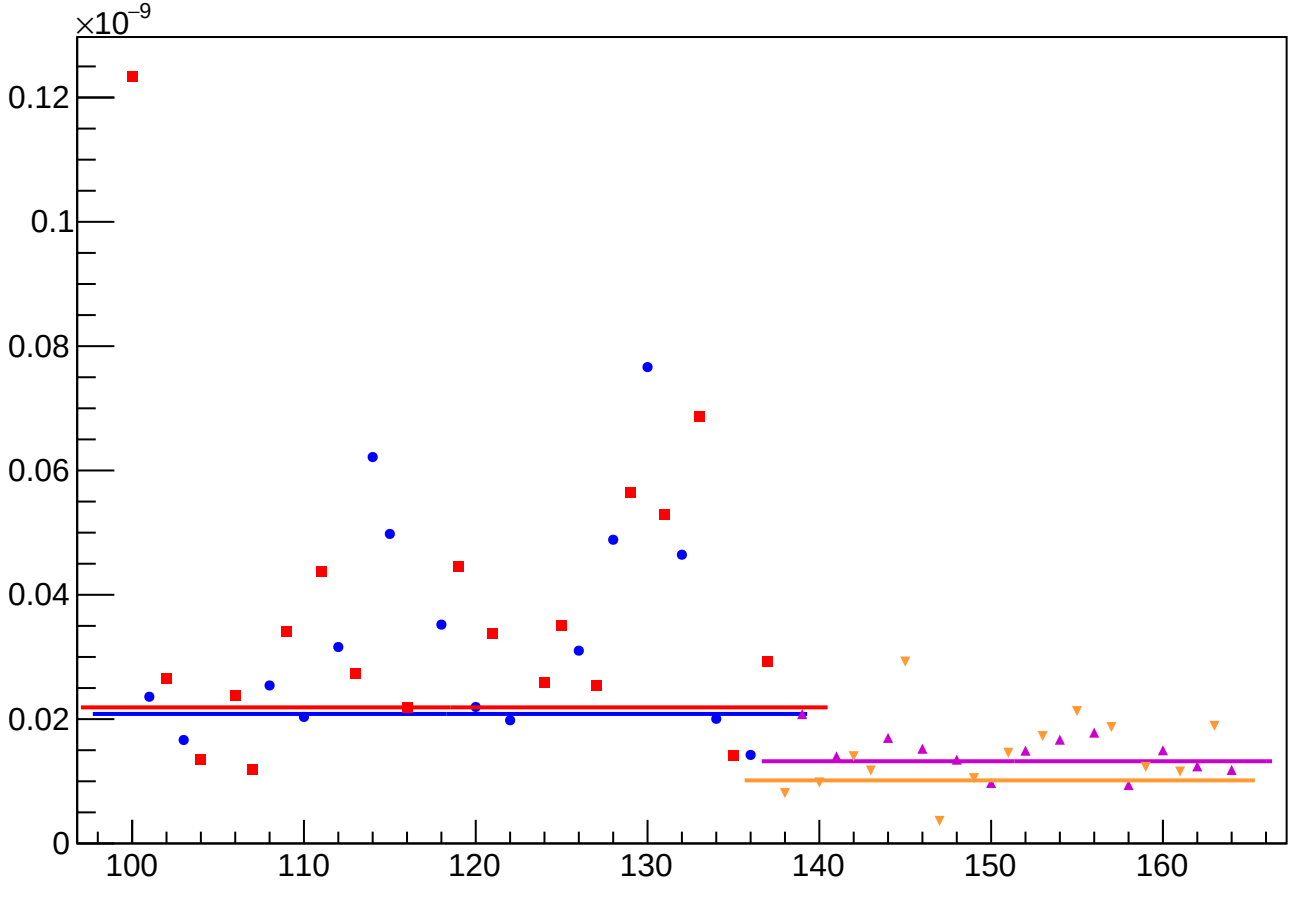
Left: -0.000+/-0.000 χ^2/NDF: 31.5/26

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:37.1/28

Out: -0.000+/-0.000 χ^2/NDF:26.8/32

All: -0.000+/-0.000 χ^2/NDF: 63.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2963984.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:683731.0/12

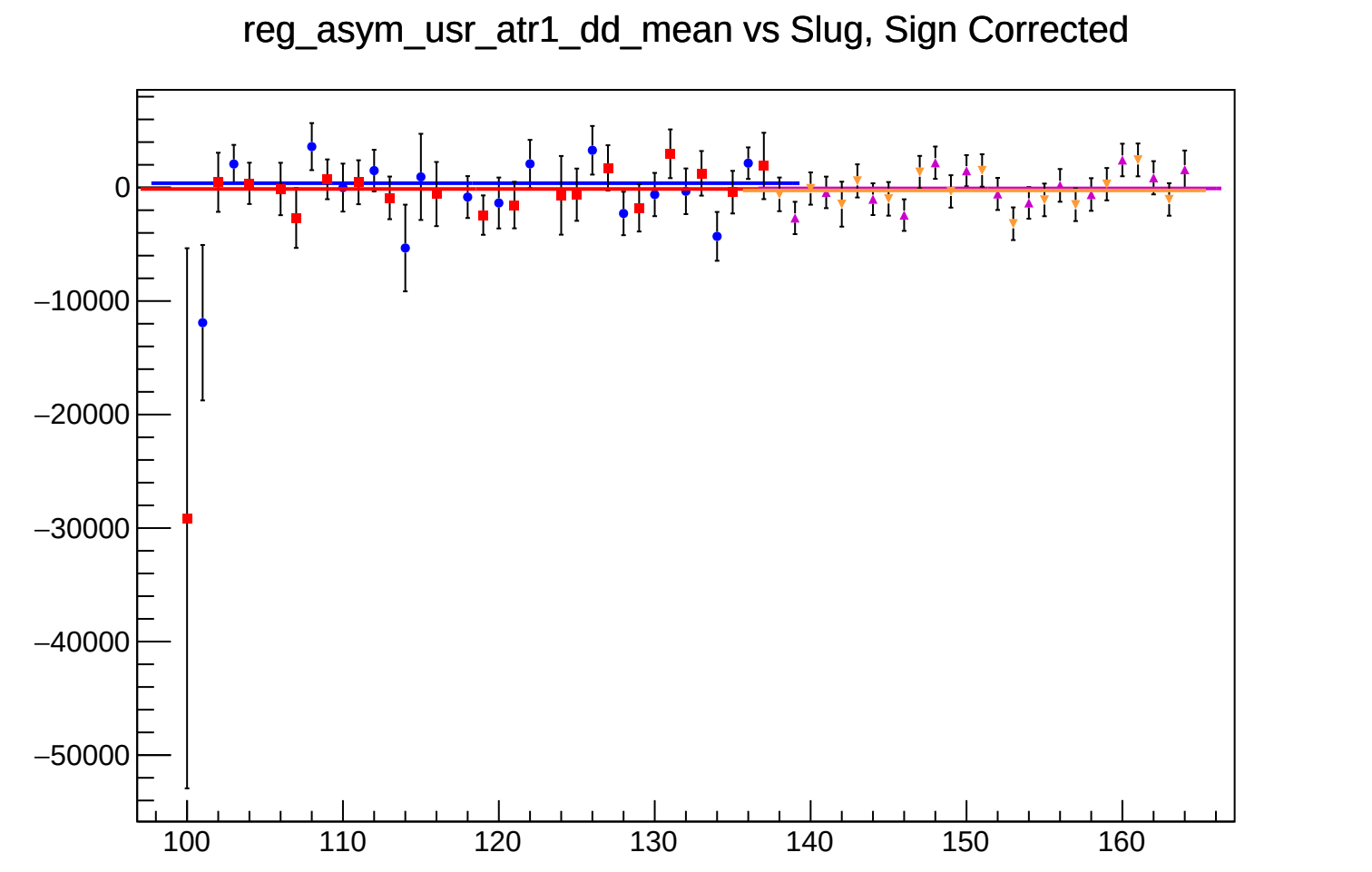
Left: 0.000+/-0.000 χ^2/NDF: 4060119.9/26

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:2822614.2/28

Out: 0.000+/-0.000 χ^2/NDF:6579478.7/32

All: 0.000+/-0.000 χ^2/NDF: 9842877.4/61



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -254.774+/-392.124 χ^2/NDF:13.0/13

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -80.863+/-397.045 χ^2/NDF:16.1/12

Left: -168.903+/-278.997 χ^2/NDF: 29.2/26

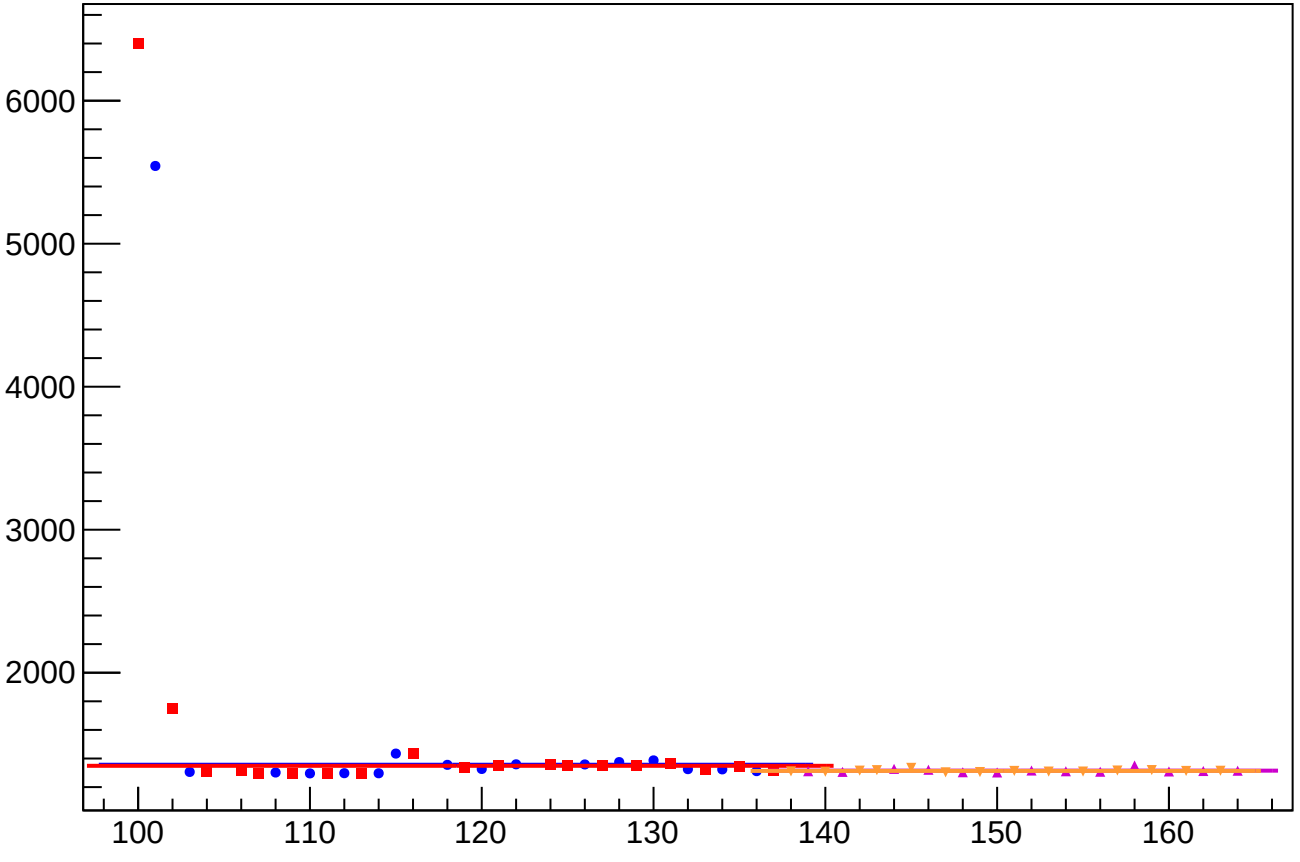
Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 90.303+/-315.076 χ^2/NDF:38.1/28

Out: -206.587+/-308.786 χ^2/NDF:23.0/32

All: -61.135+/-220.535 χ^2/NDF: 61.5/61

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1313.241+/-0.277 χ^2/NDF:721.2/13

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1315.085+/-0.281 χ^2/NDF:1951.5/12

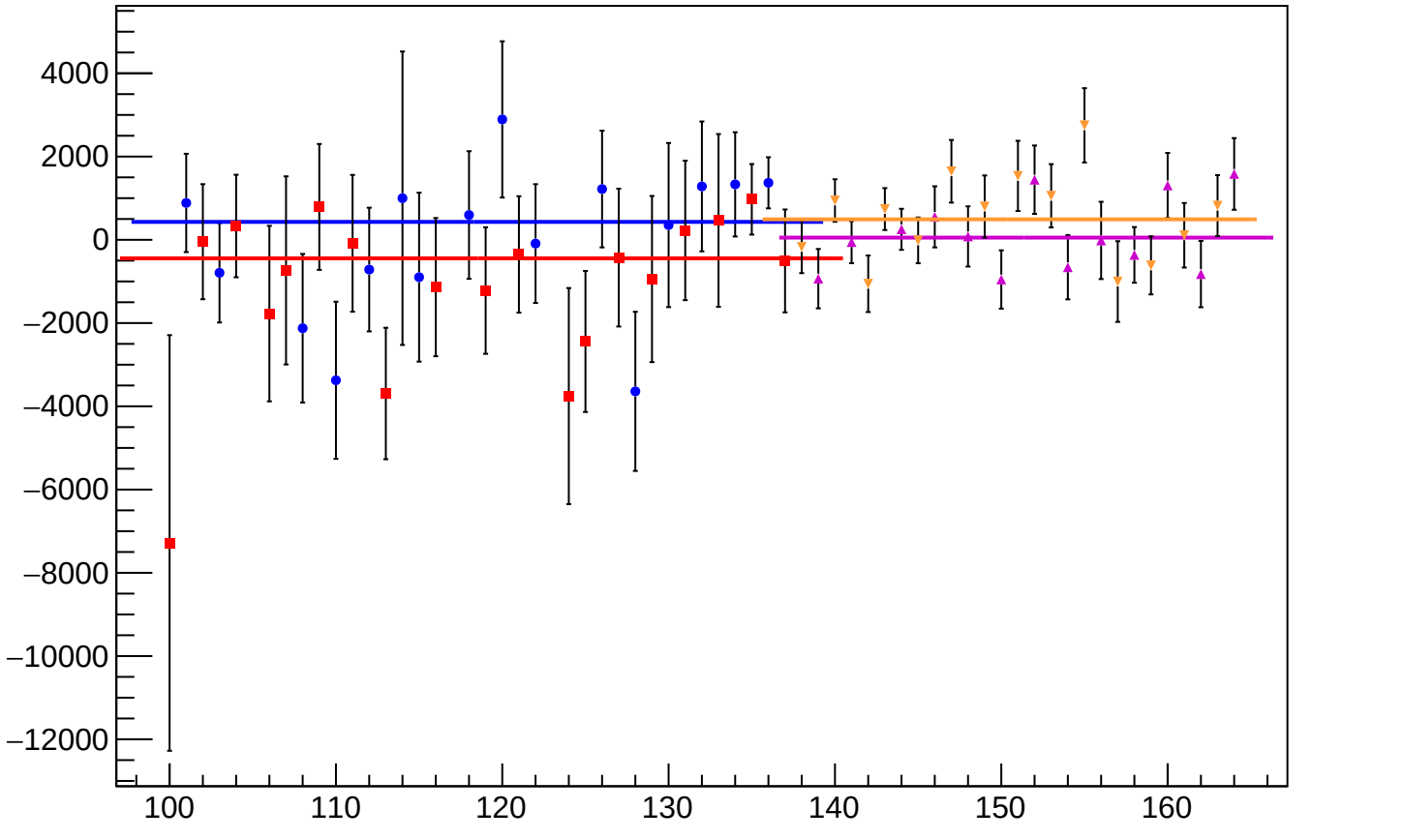
Left: 1314.152+/-0.197 χ^2/NDF: 2694.5/26

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.382+/-0.223 χ^2/NDF:770235.1/28

Out: 1326.816+/-0.218 χ^2/NDF:154296.3/32

All: 1328.563+/-0.156 χ^2/NDF: 924662.0/61



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 492.035+/-181.440 χ^2/NDF:24.5/13

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: 52.426+/-192.749 χ^2/NDF:15.7/12

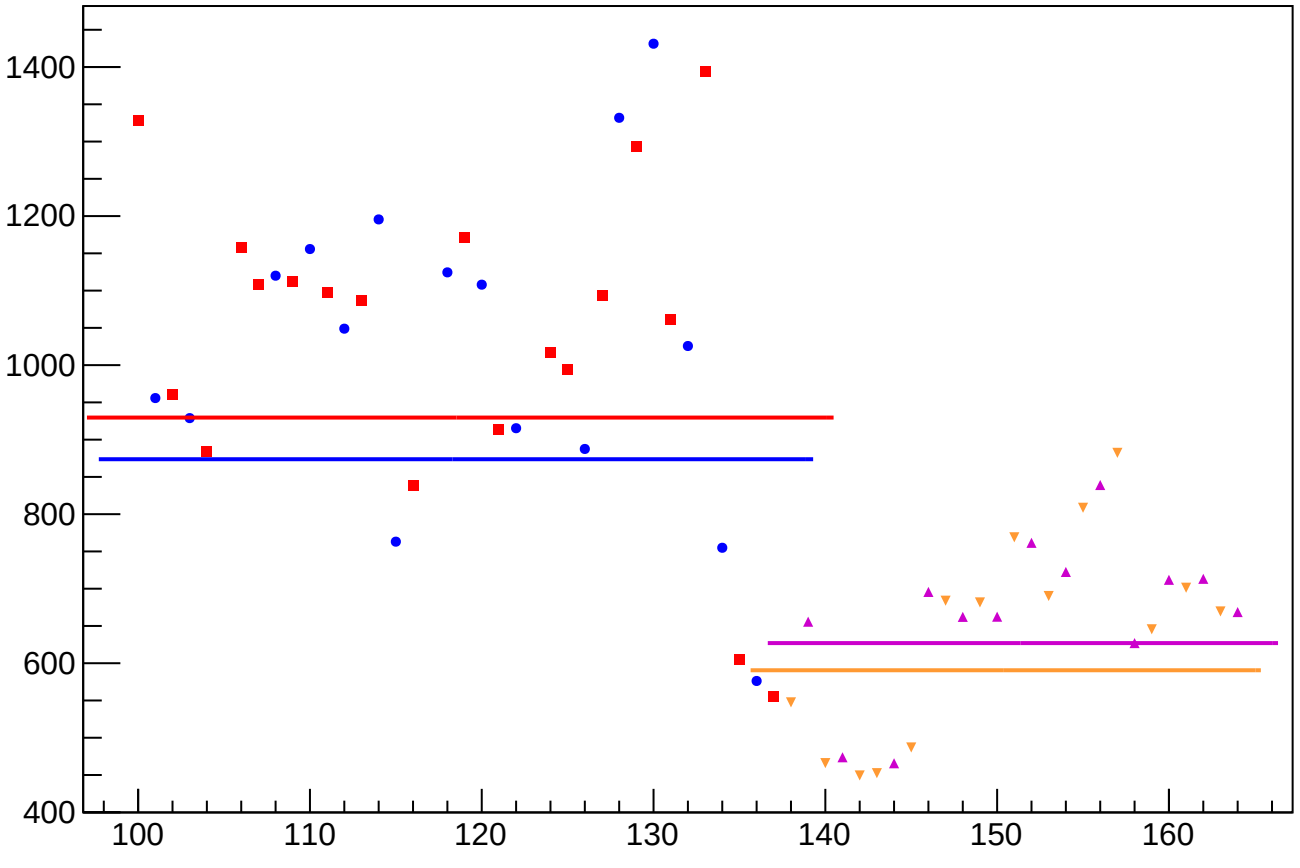
Left: 285.505+/-132.115 χ^2/NDF: 43.0/26

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 144.981+/-167.493 χ^2/NDF:34.9/28

Out: 298.565+/-161.617 χ^2/NDF:44.4/32

All: 224.514+/-116.302 χ^2/NDF: 79.7/61



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 590.551+/-0.128 χ^2/NDF:997800.8/13

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 627.013+/-0.136 χ^2/NDF:668362.8/12

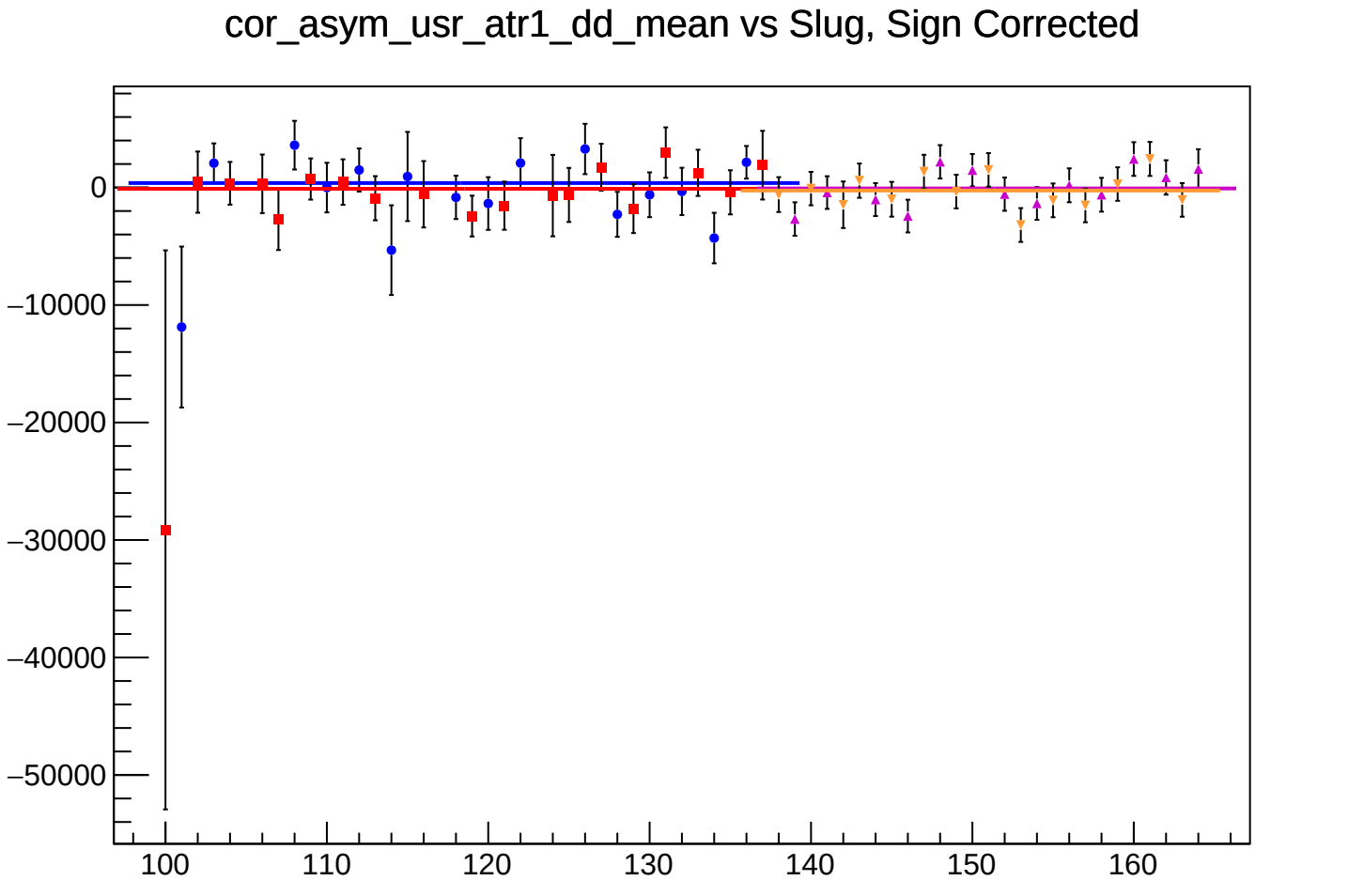
Left: 607.681+/-0.093 χ^2/NDF: 1704109.2/26

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 687.433+/-0.118 χ^2/NDF:2485700.4/28

Out: 660.595+/-0.114 χ^2/NDF:3300679.2/32

All: 673.535+/-0.082 χ^2/NDF: 5812970.7/61



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -254.848+/-392.124 χ^2/NDF:13.0/13

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -80.885+/-397.045 χ^2/NDF:16.1/12

Left: -168.951+/-278.997 χ^2/NDF: 29.2/26

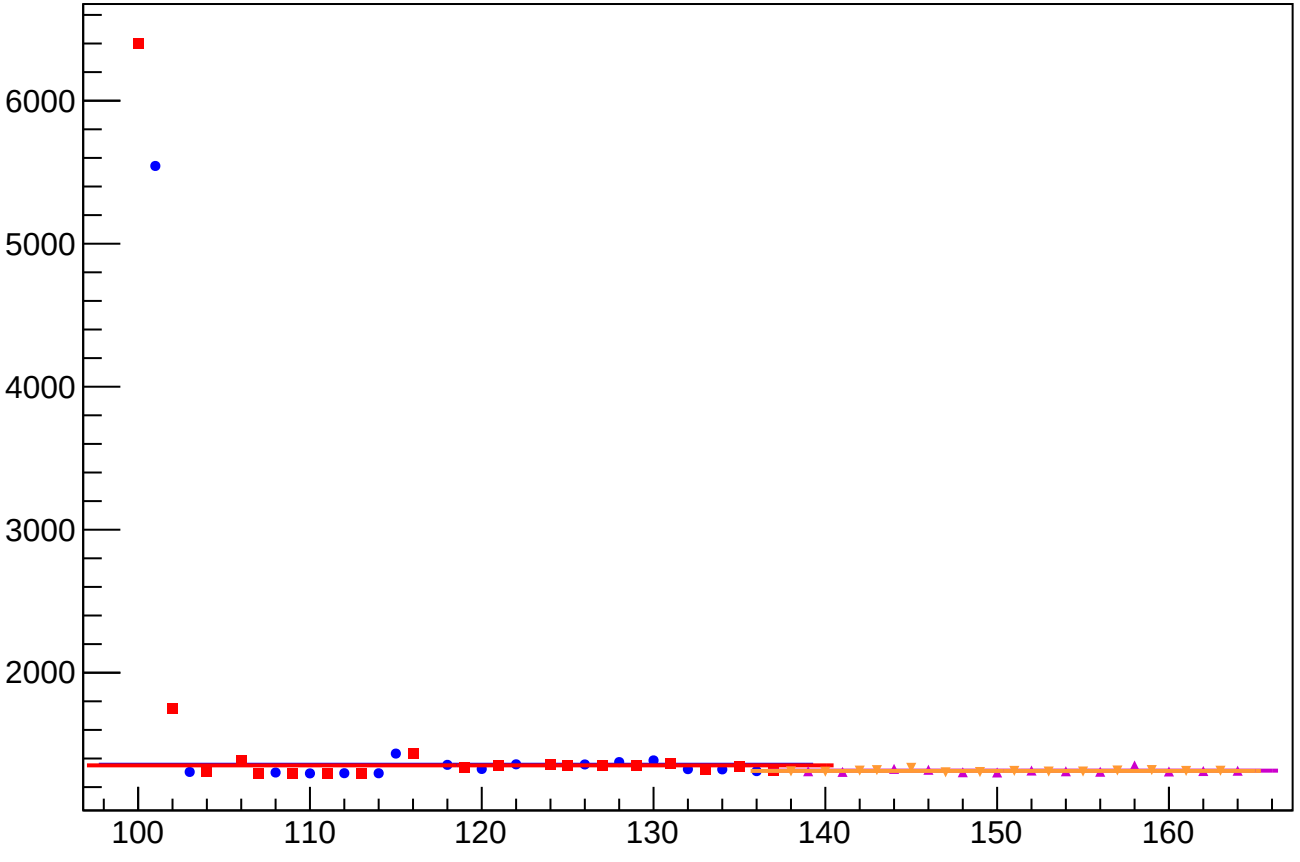
Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 90.403+/-315.076 χ^2/NDF:38.1/28

Out: -200.160+/-309.185 χ^2/NDF:23.0/32

All: -57.620+/-220.680 χ^2/NDF: 61.5/61

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.241+/-0.277 χ^2/NDF:721.2/13

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.085+/-0.281 χ^2/NDF:1951.5/12

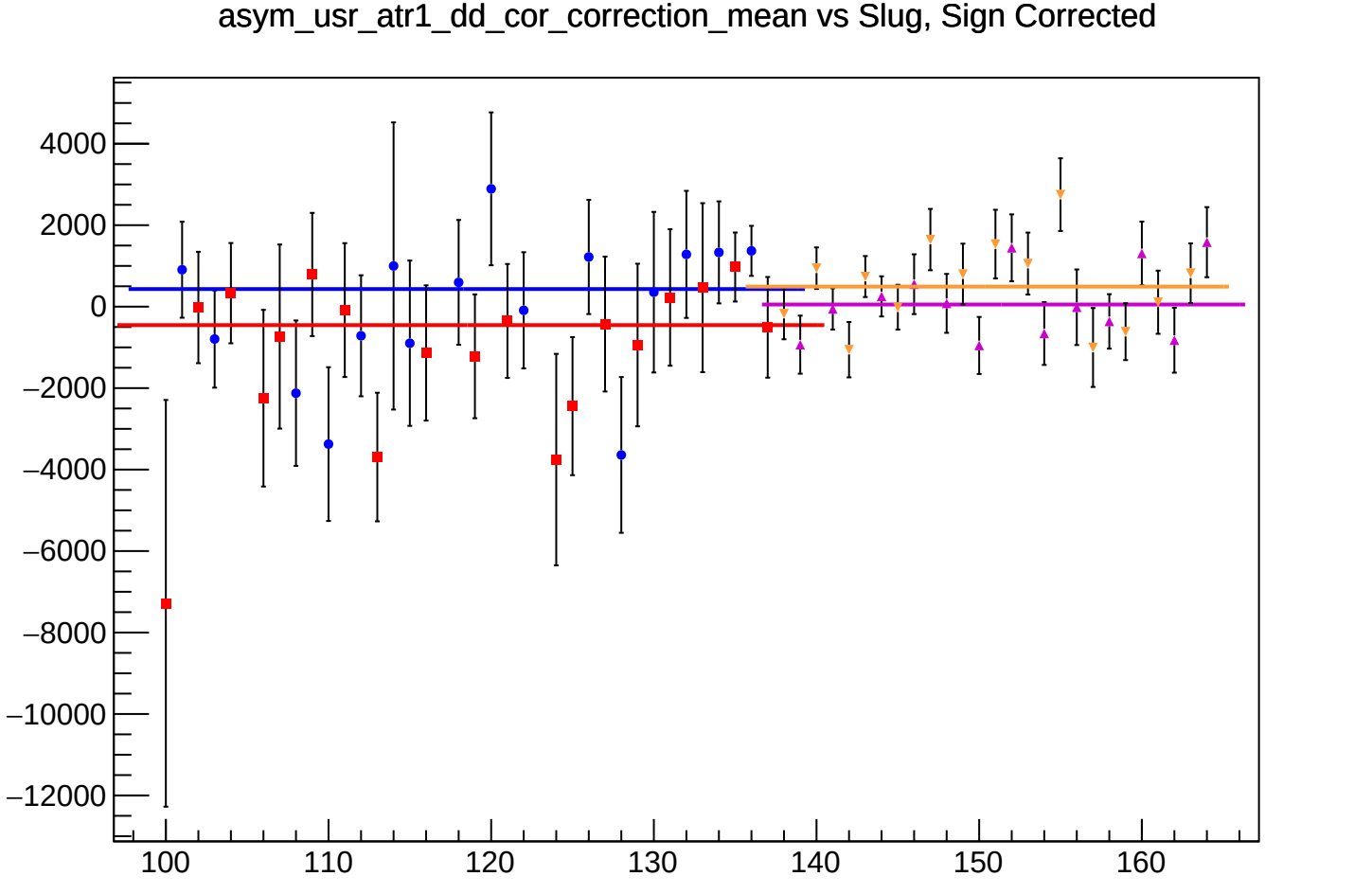
Left: 1314.152+/-0.197 χ^2/NDF: 2694.5/26

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.382+/-0.223 χ^2/NDF:770234.2/28

Out: 1327.935+/-0.219 χ^2/NDF:155471.3/32

All: 1329.135+/-0.156 χ^2/NDF: 925766.9/61



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 491.959+/-181.440 χ^2/NDF:24.5/13

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 52.444+/-192.748 χ^2/NDF:15.7/12

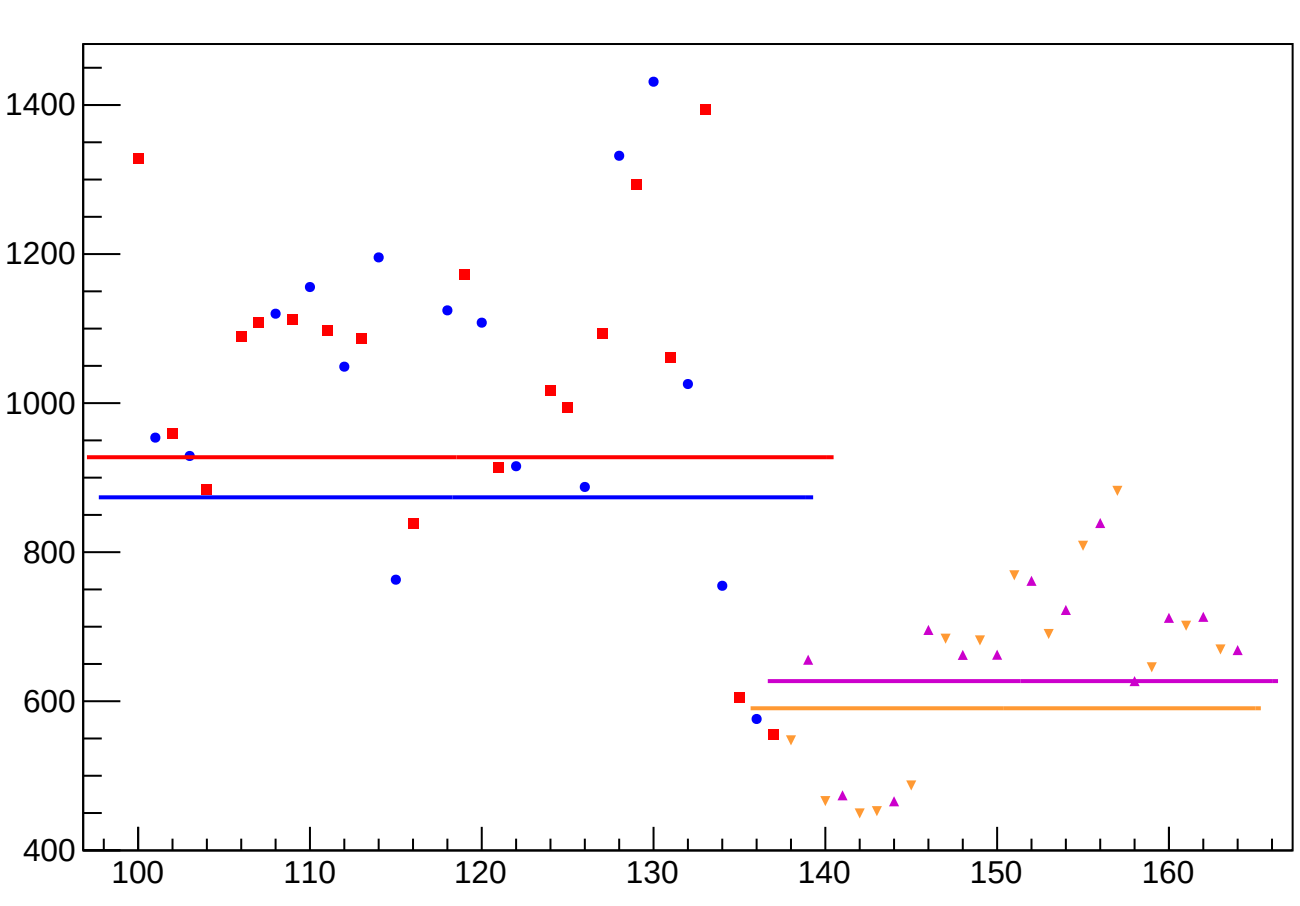
Left: 285.472+/-132.114 χ^2/NDF: 43.0/26

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 145.451+/-167.485 χ^2/NDF:34.9/28

Out: 296.756+/-161.618 χ^2/NDF:44.8/32

All: 223.800+/-116.300 χ^2/NDF: 80.1/61



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 590.552+/-0.128 χ^2/NDF:997738.6/13

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 627.006+/-0.136 χ^2/NDF:668426.9/12

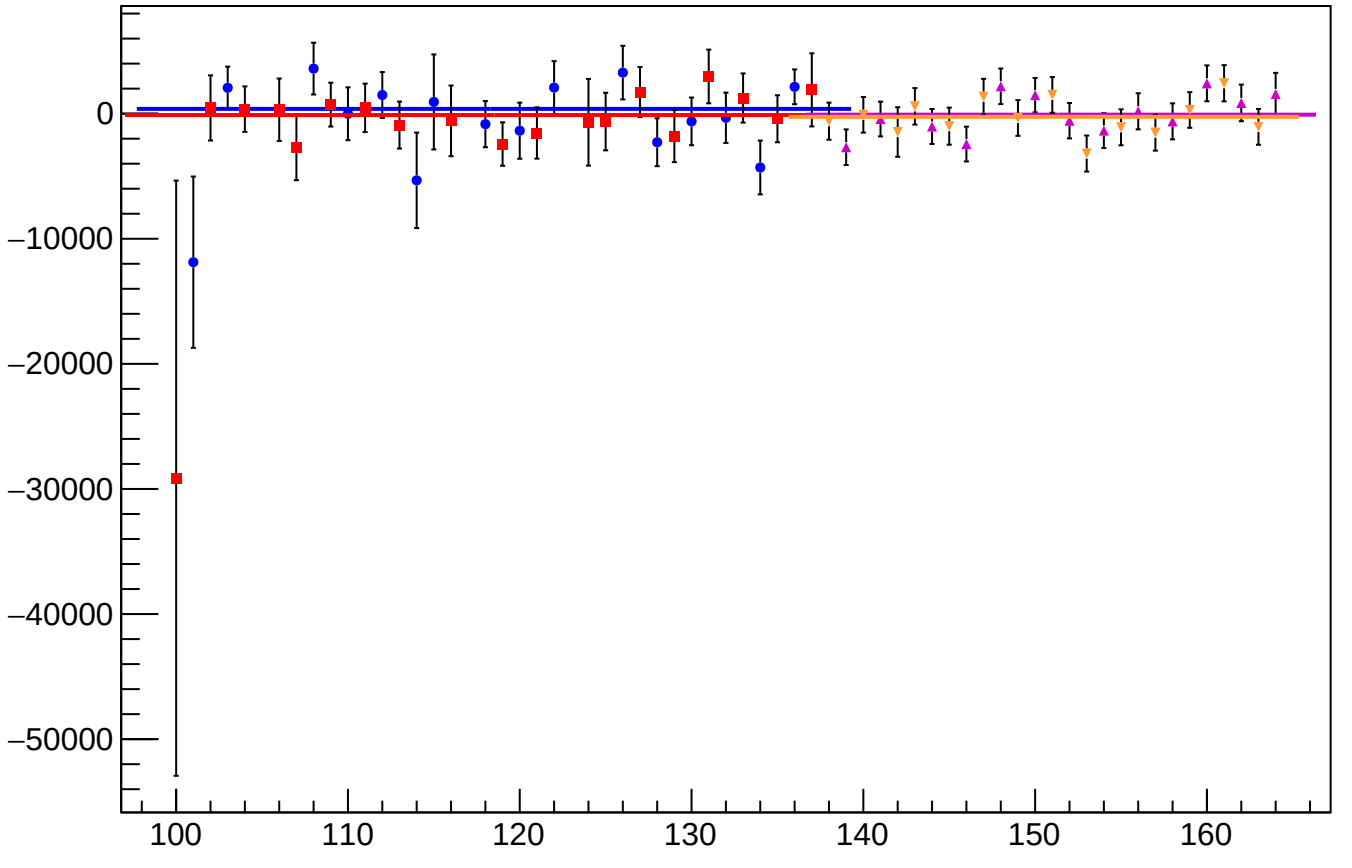
Left: 607.678+/-0.093 χ^2/NDF: 1704096.0/26

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 687.412+/-0.118 χ^2/NDF:2484735.2/28

Out: 660.134+/-0.114 χ^2/NDF:3269111.3/32

All: 673.287+/-0.082 χ^2/NDF: 5781317.8/61



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -254.848+/-392.124 χ^2/NDF:13.0/13

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -80.885+/-397.045 χ^2/NDF:16.1/12

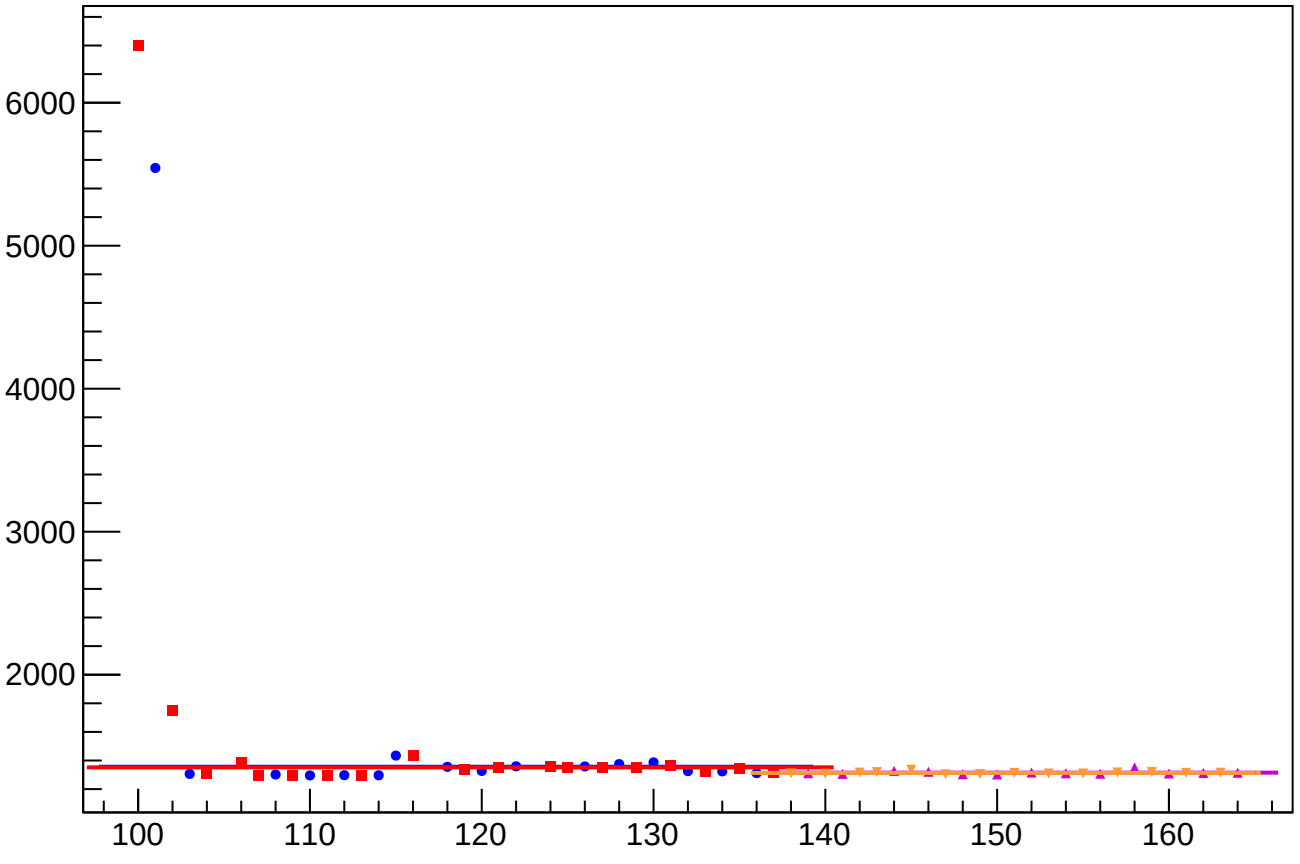
Left: -168.951+/-278.997 χ^2/NDF: 29.2/26

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 90.403+/-315.076 χ^2/NDF:38.1/28

Out: -200.160+/-309.185 χ^2/NDF:23.0/32

All: -57.620+/-220.680 χ^2/NDF: 61.5/61



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.241+/-0.277 χ^2/NDF:721.2/13

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.085+/-0.281 χ^2/NDF:1951.5/12

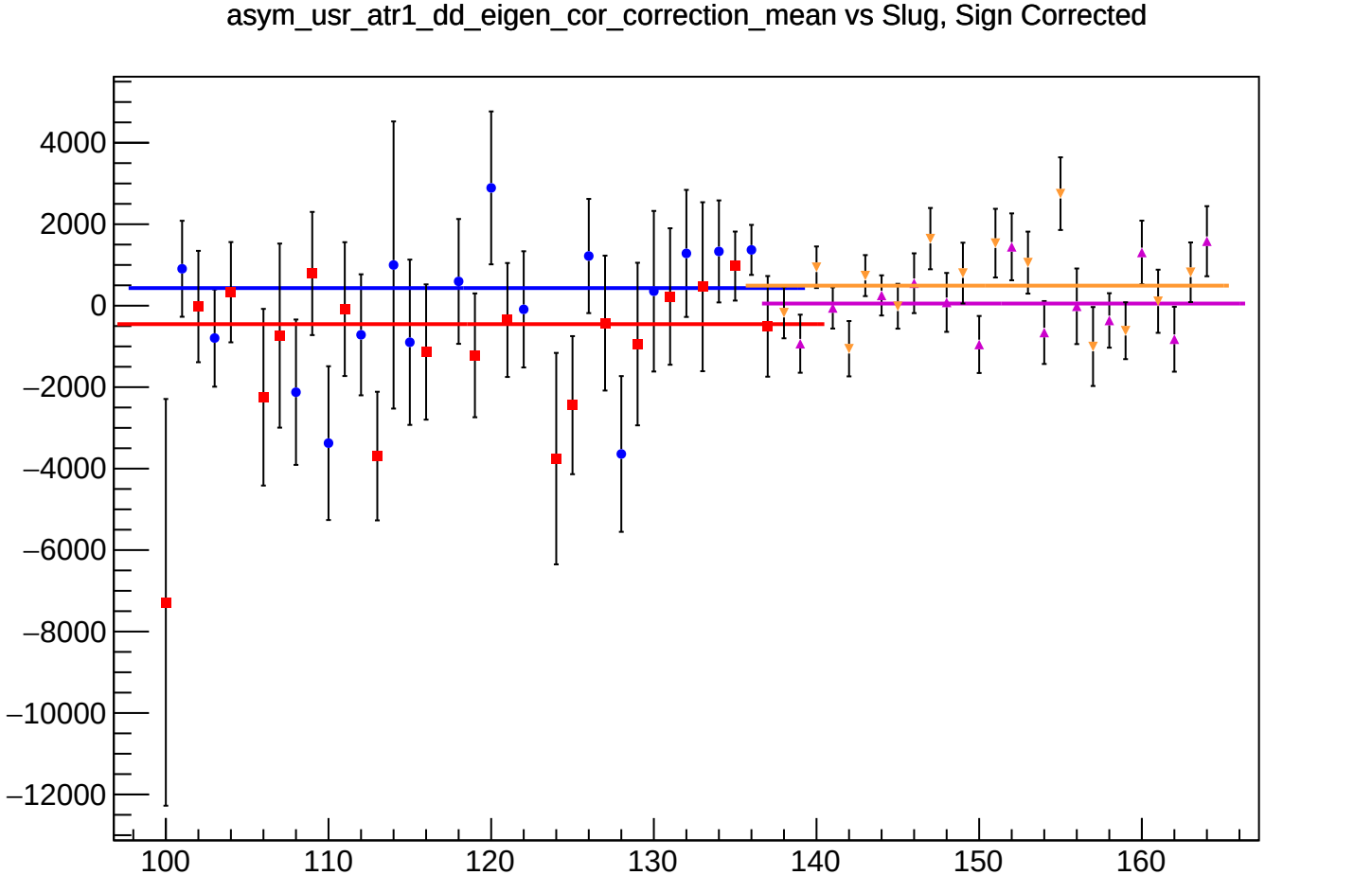
Left: 1314.152+/-0.197 χ^2/NDF: 2694.5/26

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.382+/-0.223 χ^2/NDF:770234.2/28

Out: 1327.935+/-0.219 χ^2/NDF:155471.3/32

All: 1329.135+/-0.156 χ^2/NDF: 925766.9/61


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
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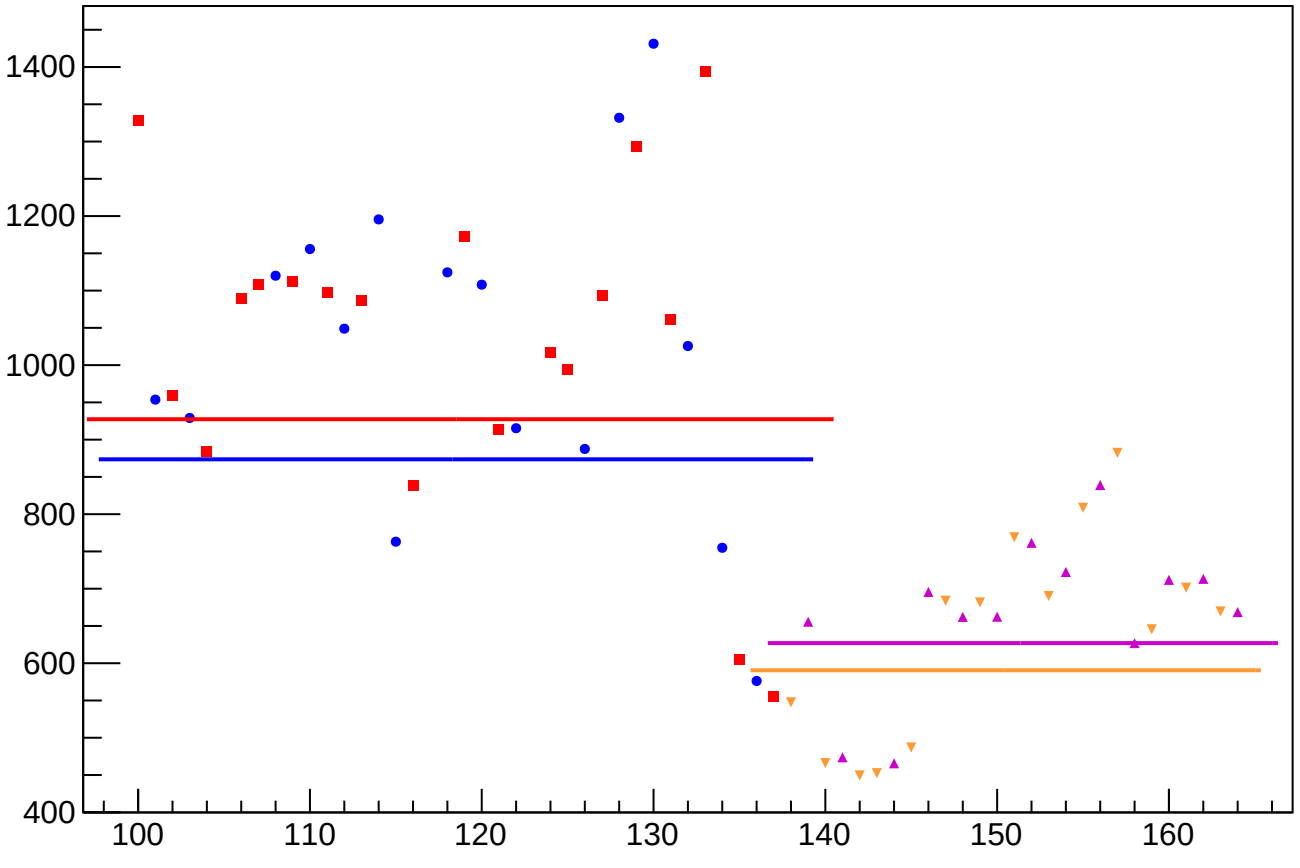
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 491.959+/-181.440 χ²/NDF:24.5/13
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: 52.444+/-192.748 χ²/NDF:15.7/12
Left: 285.472+/-132.114 χ²/NDF: 43.0/26
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 145.451+/-167.485 χ²/NDF:34.9/28
Out: 296.756+/-161.618 χ²/NDF:44.8/32
All: 223.800+/-116.300 χ²/NDF: 80.1/61



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 590.552+/-0.128 χ^2/NDF:997738.6/13

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 627.006+/-0.136 χ^2/NDF:668426.9/12

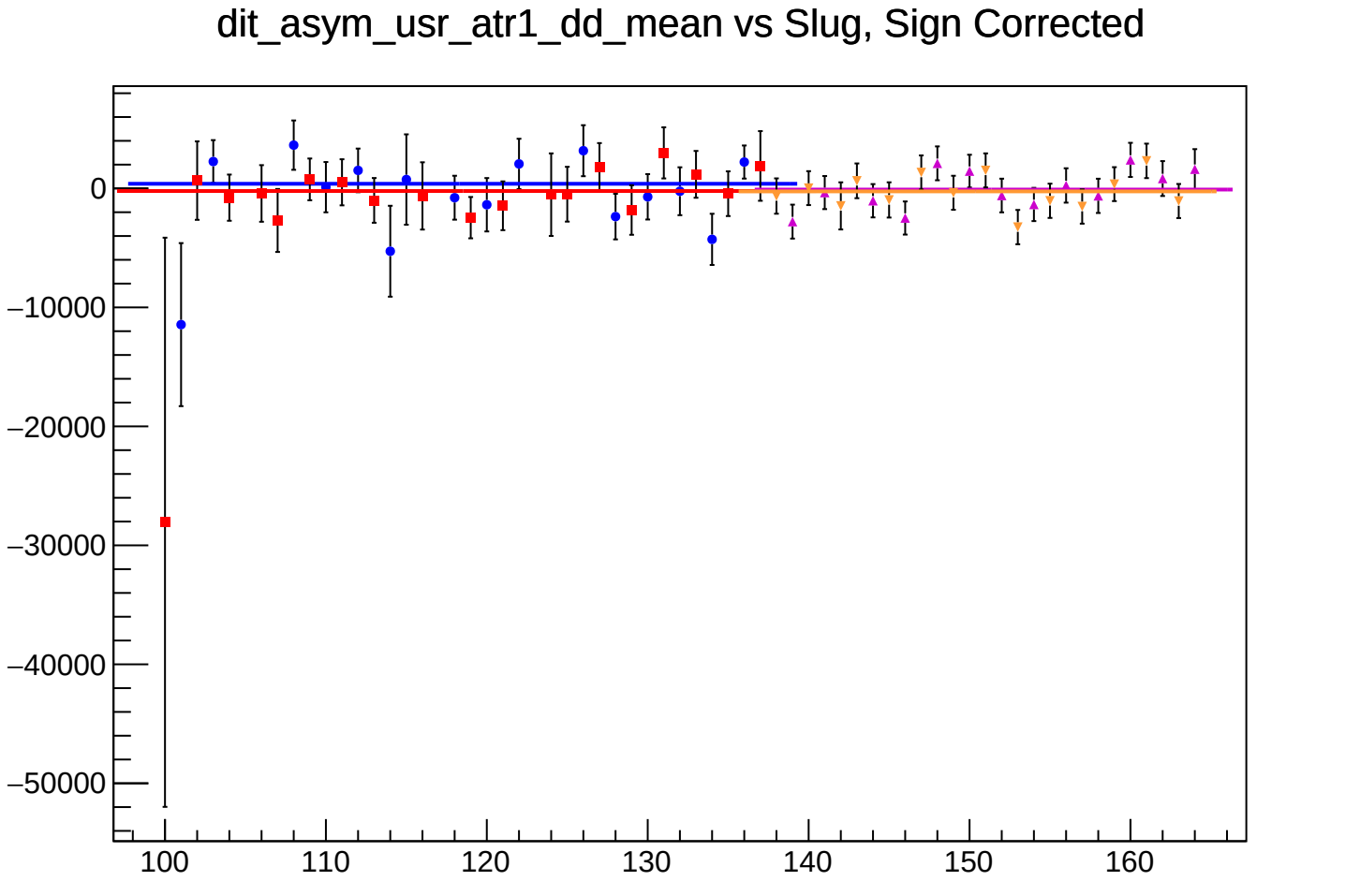
Left: 607.678+/-0.093 χ^2/NDF: 1704096.0/26

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 687.412+/-0.118 χ^2/NDF:2484735.2/28

Out: 660.134+/-0.114 χ^2/NDF:3269111.3/32

All: 673.287+/-0.082 χ^2/NDF: 5781317.8/61



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -248.253+/-392.427 χ^2/NDF:12.9/13

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -95.685+/-397.332 χ^2/NDF:16.2/12

Left: -172.917+/-279.206 χ^2/NDF: 29.2/26

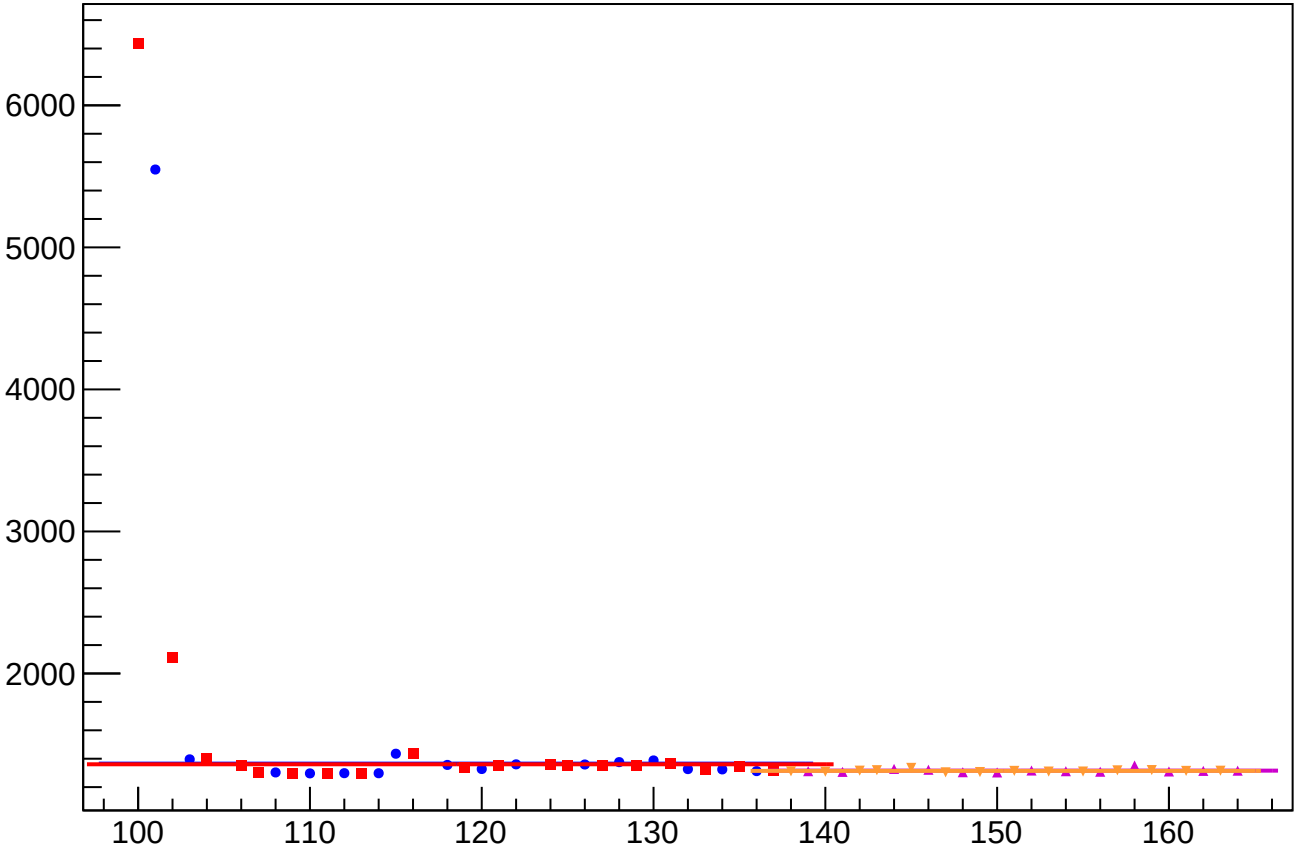
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 82.830+/-315.975 χ^2/NDF:38.2/28

Out: -237.013+/-310.540 χ^2/NDF:22.9/32

All: -79.866+/-221.481 χ^2/NDF: 61.6/61

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.256+/-0.277 χ^2/NDF:719.3/13

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1316.034+/-0.281 χ^2/NDF:1949.5/12

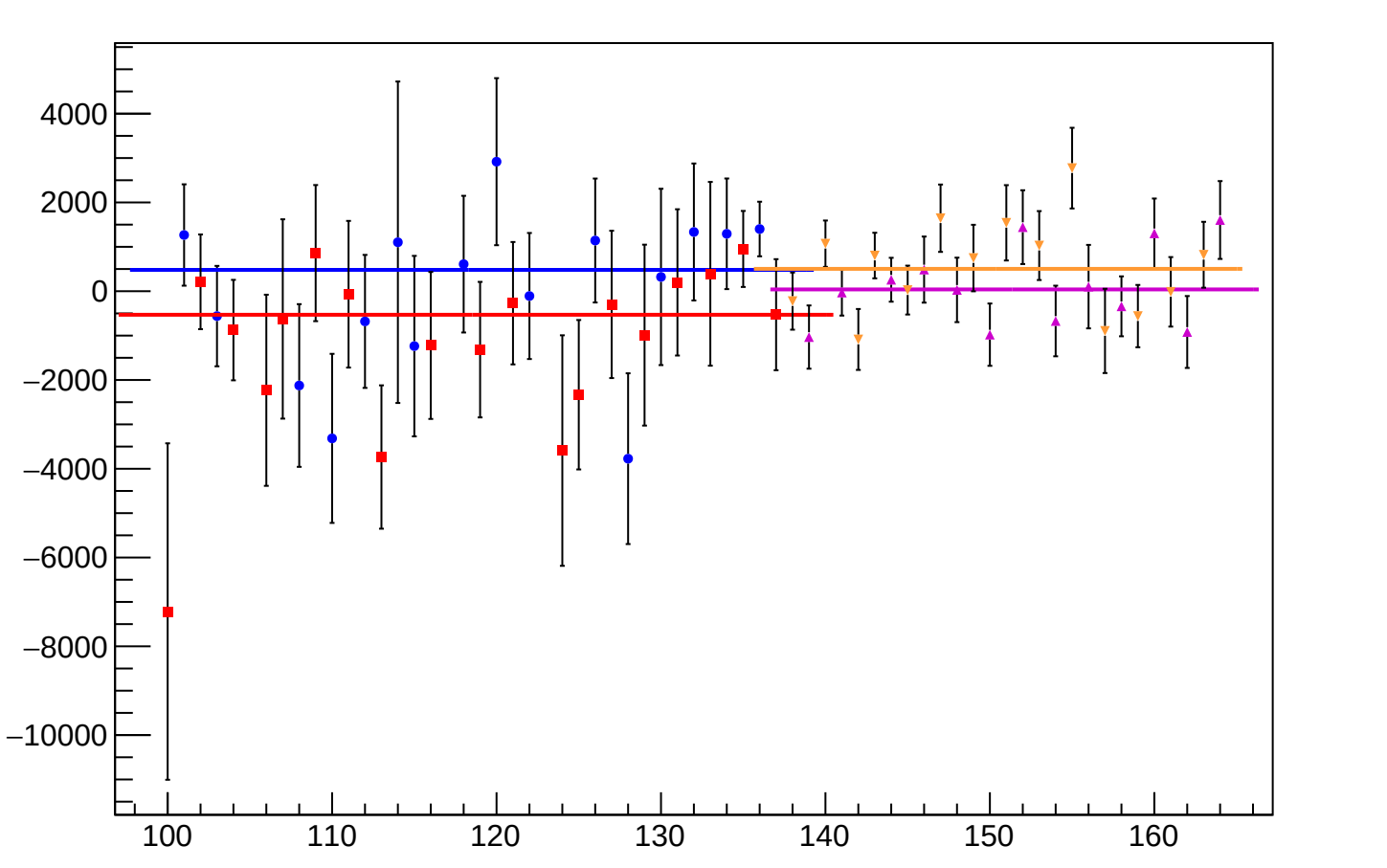
Left: 1315.134+/-0.197 χ^2/NDF: 2689.1/26

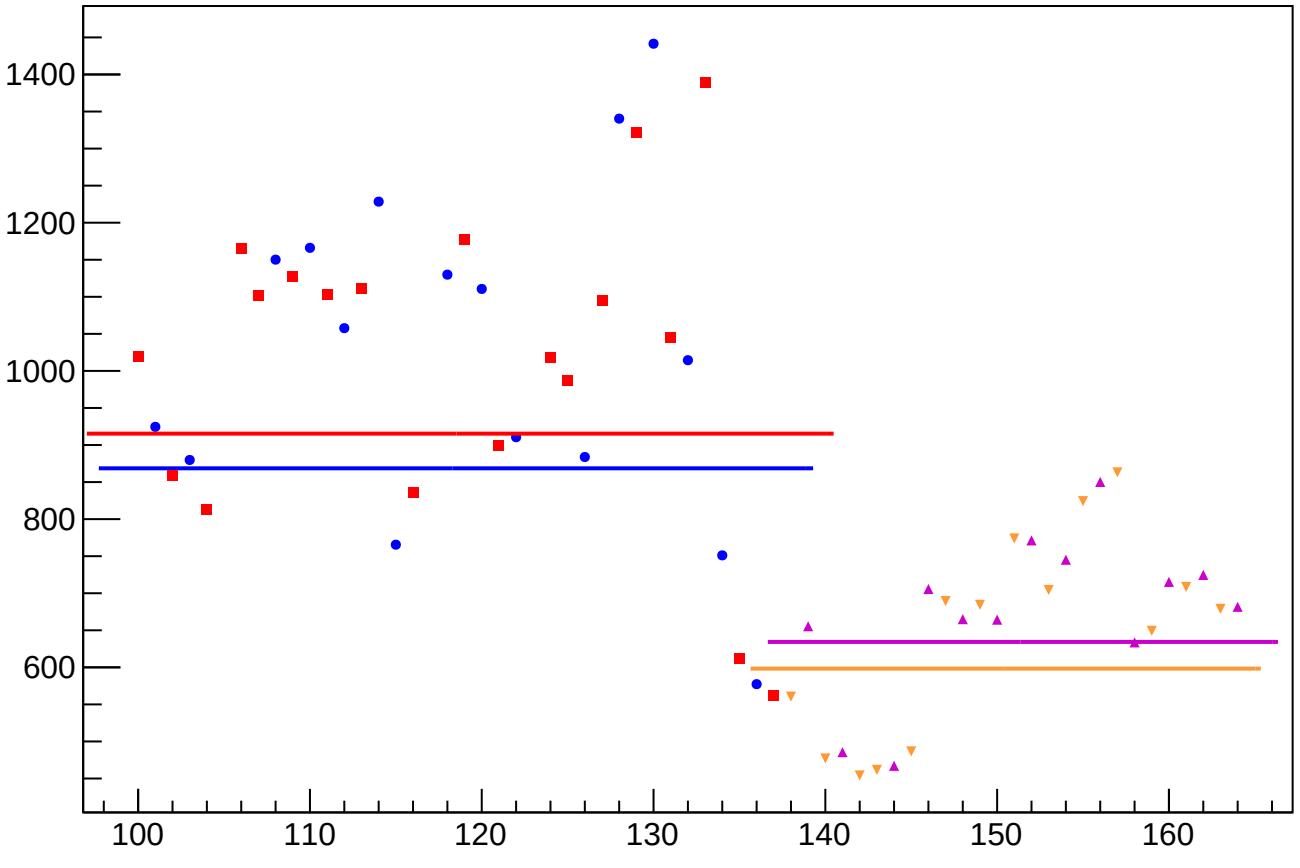
Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1334.144+/-0.223 χ^2/NDF:772197.9/28

Out: 1331.643+/-0.220 χ^2/NDF:216538.0/32

All: 1332.872+/-0.157 χ^2/NDF: 988799.7/61


asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: 480.403+/-336.520 χ²/NDF: 18.6/15
Left Out: 503.641+/-183.607 χ²/NDF:24.6/13
Right Out: -530.532+/-346.105 χ²/NDF: 15.6/18
Left In: 40.175+/-194.948 χ²/NDF:16.1/12
Left: 285.781+/-133.659 χ²/NDF: 43.7/26
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 150.791+/-168.687 χ²/NDF:36.0/28
Out: 276.518+/-162.197 χ²/NDF:47.2/32
All: 216.119+/-116.918 χ²/NDF: 83.4/61



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 598.273+/-0.130 χ^2/NDF:958231.6/13

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 634.308+/-0.138 χ^2/NDF:671559.6/12

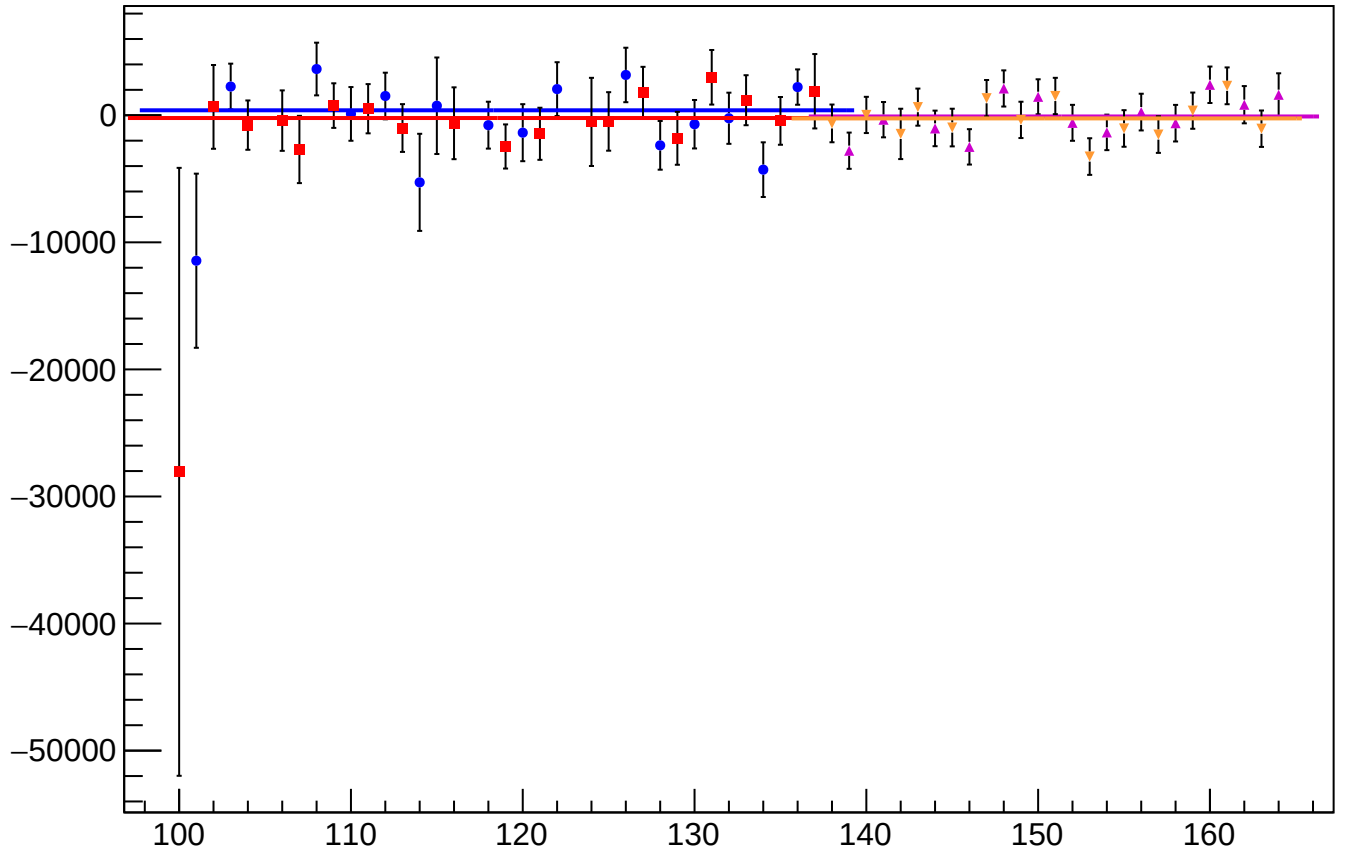
Left: 615.212+/-0.095 χ^2/NDF: 1666004.8/26

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 693.172+/-0.119 χ^2/NDF:2418573.4/28

Out: 667.911+/-0.115 χ^2/NDF:3127161.2/32

All: 680.046+/-0.083 χ^2/NDF: 5569038.6/61



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -248.255+/-392.427 χ^2/NDF:12.9/13

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -95.684+/-397.332 χ^2/NDF:16.2/12

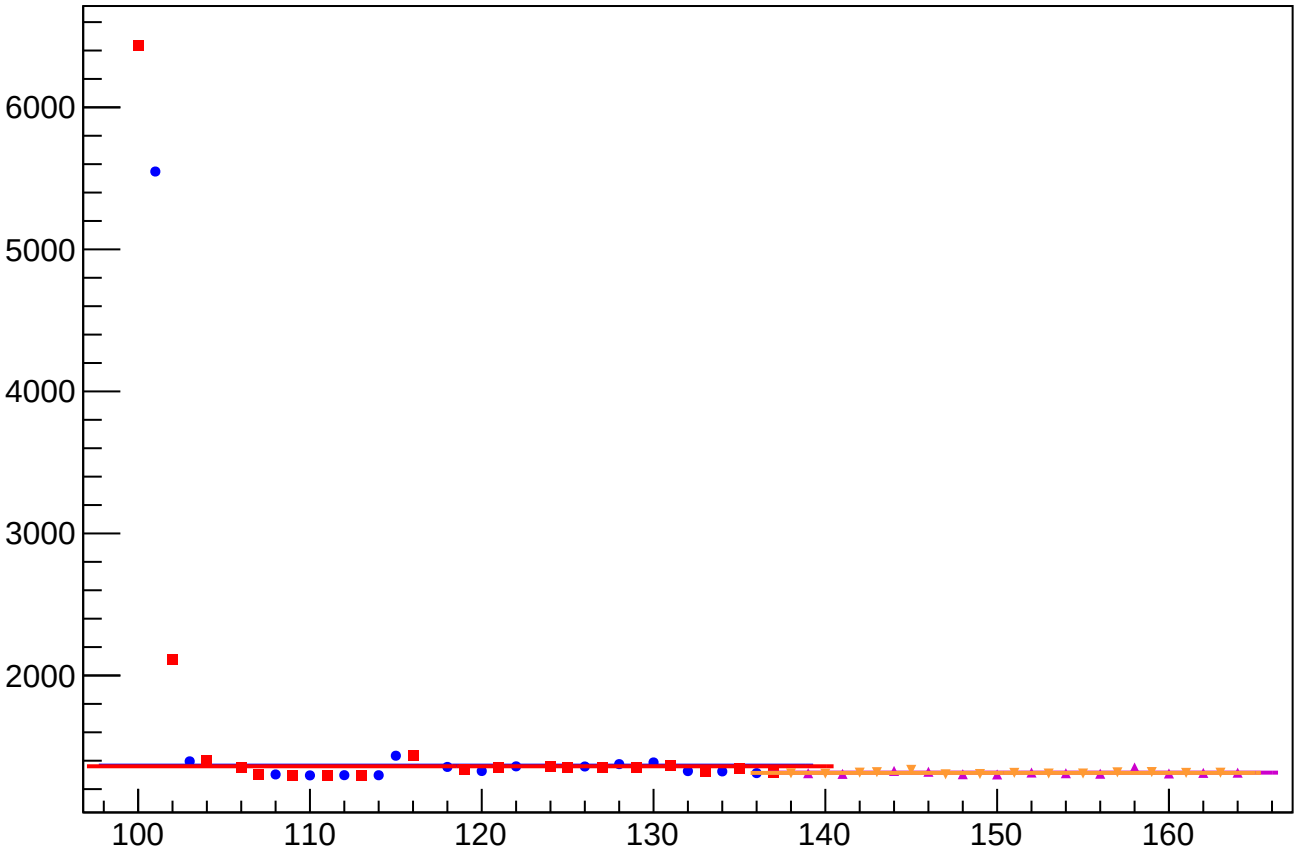
Left: -172.917+/-279.206 χ^2/NDF: 29.2/26

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 82.830+/-315.975 χ^2/NDF:38.2/28

Out: -237.014+/-310.540 χ^2/NDF:22.9/32

All: -79.866+/-221.481 χ^2/NDF: 61.6/61



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.256+/-0.277 χ^2/NDF:719.3/13

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1316.034+/-0.281 χ^2/NDF:1949.5/12

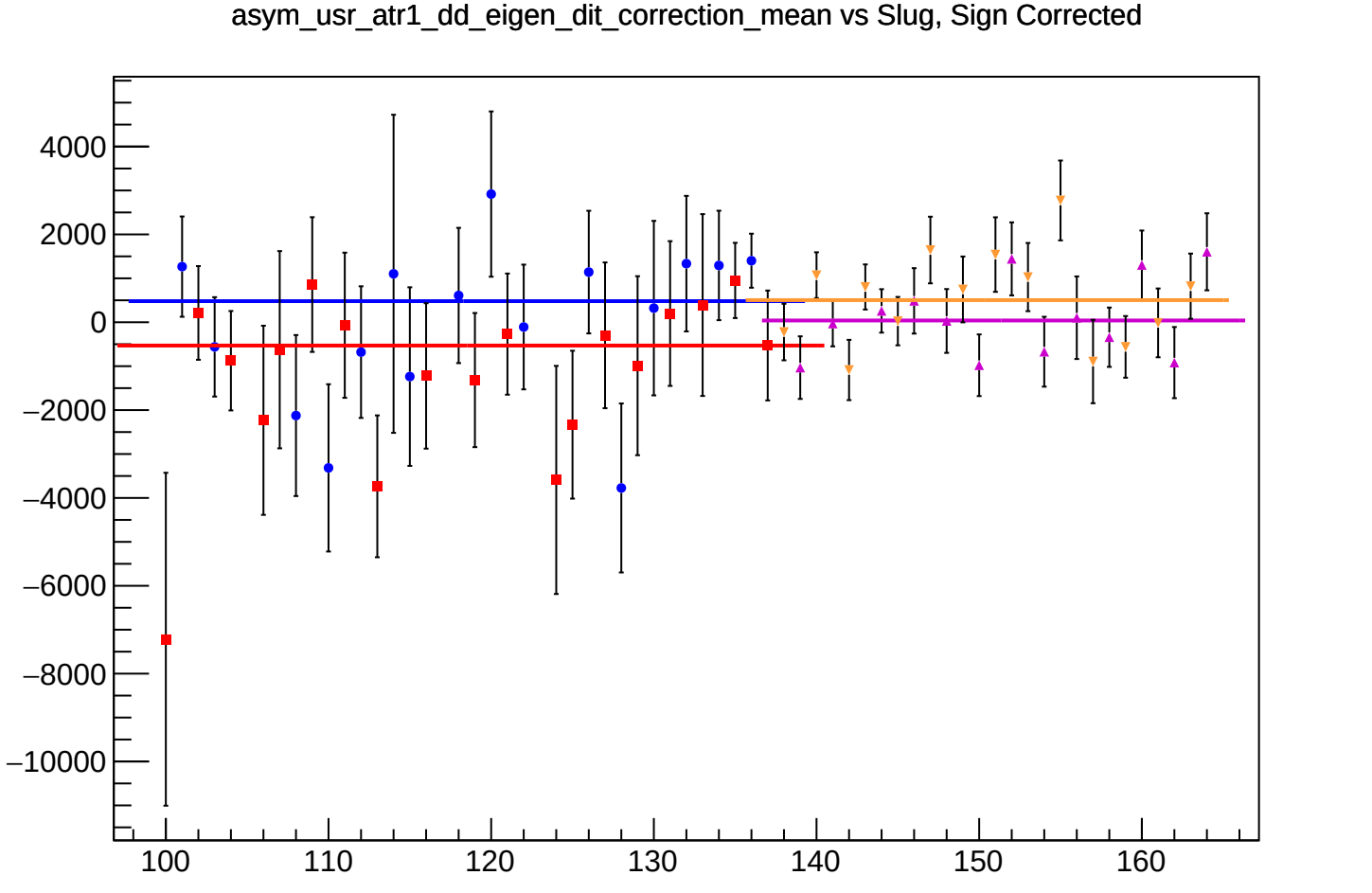
Left: 1315.134+/-0.197 χ^2/NDF: 2689.1/26

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1334.144+/-0.223 χ^2/NDF:772197.9/28

Out: 1331.643+/-0.220 χ^2/NDF:216537.9/32

All: 1332.872+/-0.157 χ^2/NDF: 988799.6/61



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 503.641+/-183.607 χ^2/NDF:24.6/13

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: 40.175+/-194.948 χ^2/NDF:16.1/12

Left: 285.781+/-133.659 χ^2/NDF: 43.7/26

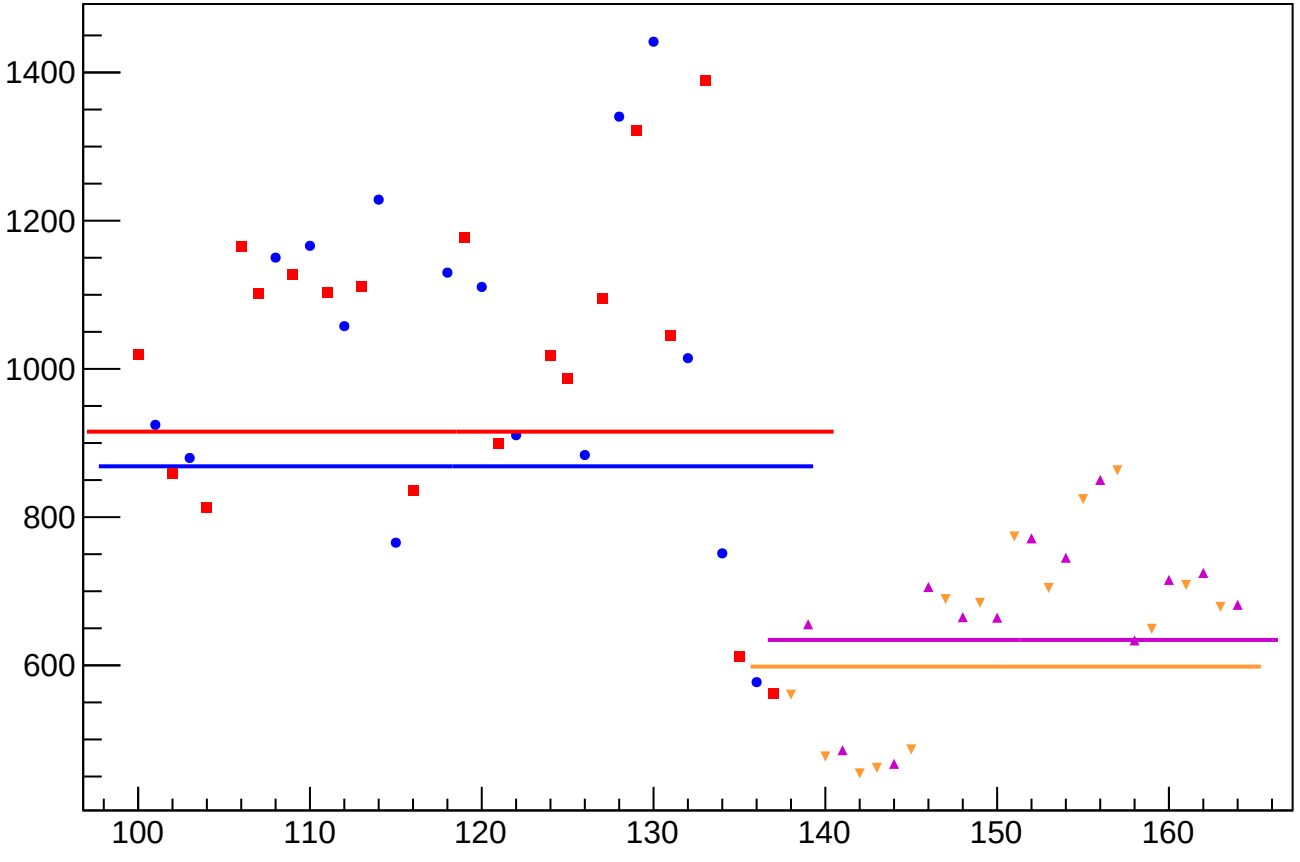
Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 150.791+/-168.687 χ^2/NDF:36.0/28

Out: 276.517+/-162.197 χ^2/NDF:47.2/32

All: 216.119+/-116.918 χ^2/NDF: 83.4/61

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 598.273+/-0.130 χ^2/NDF:958246.0/13

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 634.309+/-0.138 χ^2/NDF:671566.7/12

Left: 615.213+/-0.095 χ^2/NDF: 1666028.1/26

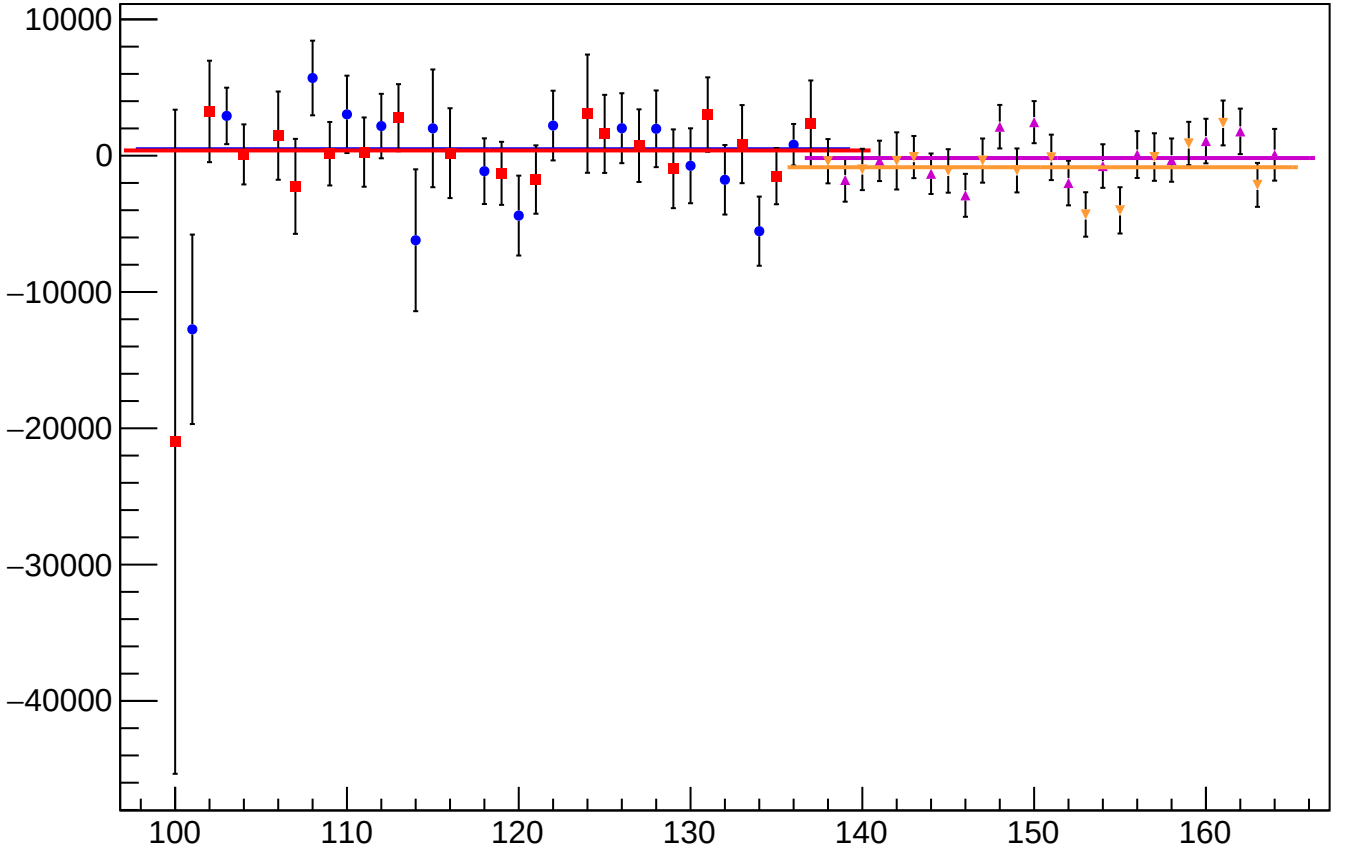
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 693.172+/-0.119 χ^2/NDF:2418560.1/28

Out: 667.911+/-0.115 χ^2/NDF:3127163.2/32

All: 680.046+/-0.083 χ^2/NDF: 5569028.5/61

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -846.524+/-439.383 χ^2/NDF:14.6/13

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -171.915+/-446.087 χ^2/NDF:13.0/12

Left: -514.326+/-313.034 χ^2/NDF: 28.8/26

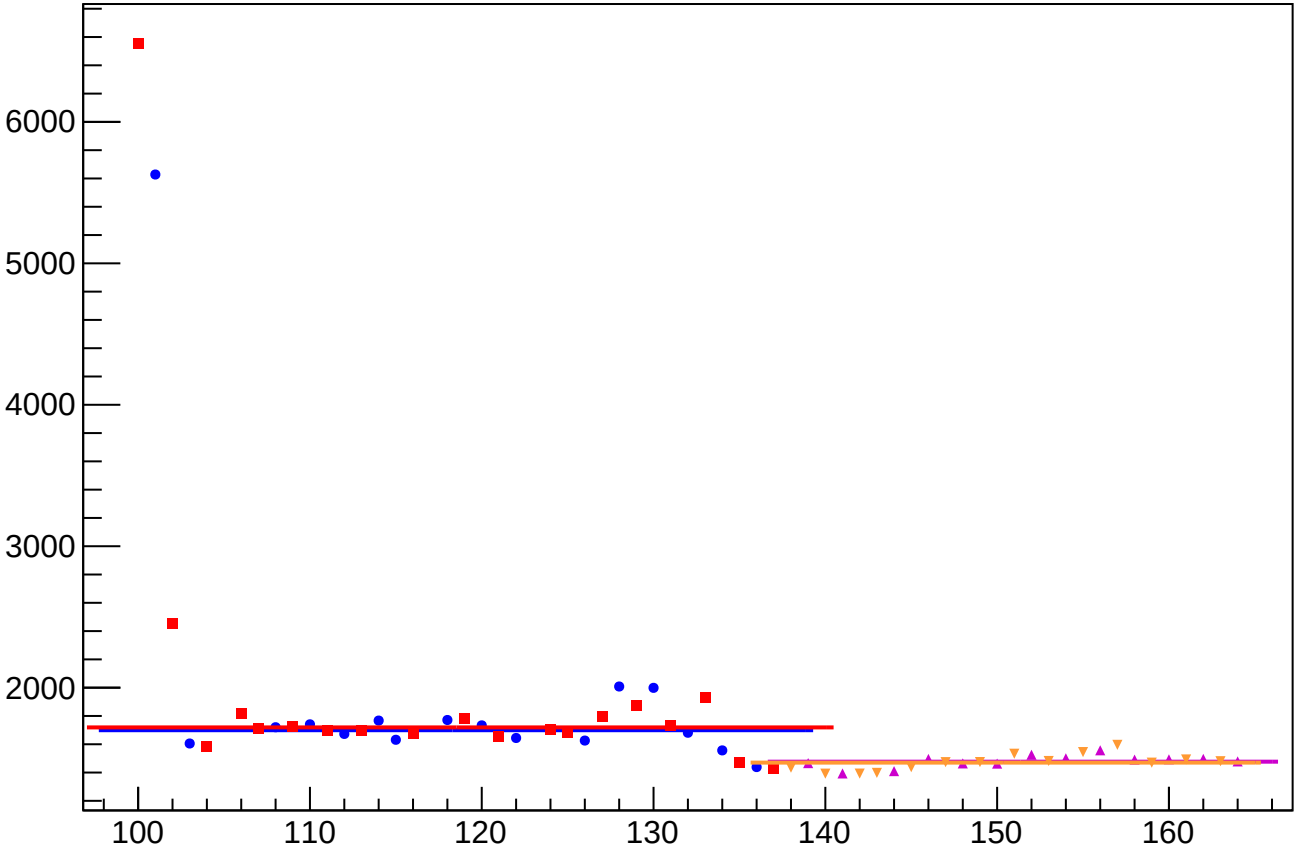
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 35.063+/-367.665 χ^2/NDF:36.4/28

Out: -453.748+/-362.594 χ^2/NDF:24.4/32

All: -212.737+/-258.167 χ^2/NDF: 61.7/61

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1470.274+/-0.311 χ^2/NDF:31819.7/13

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1476.821+/-0.315 χ^2/NDF:18277.0/12

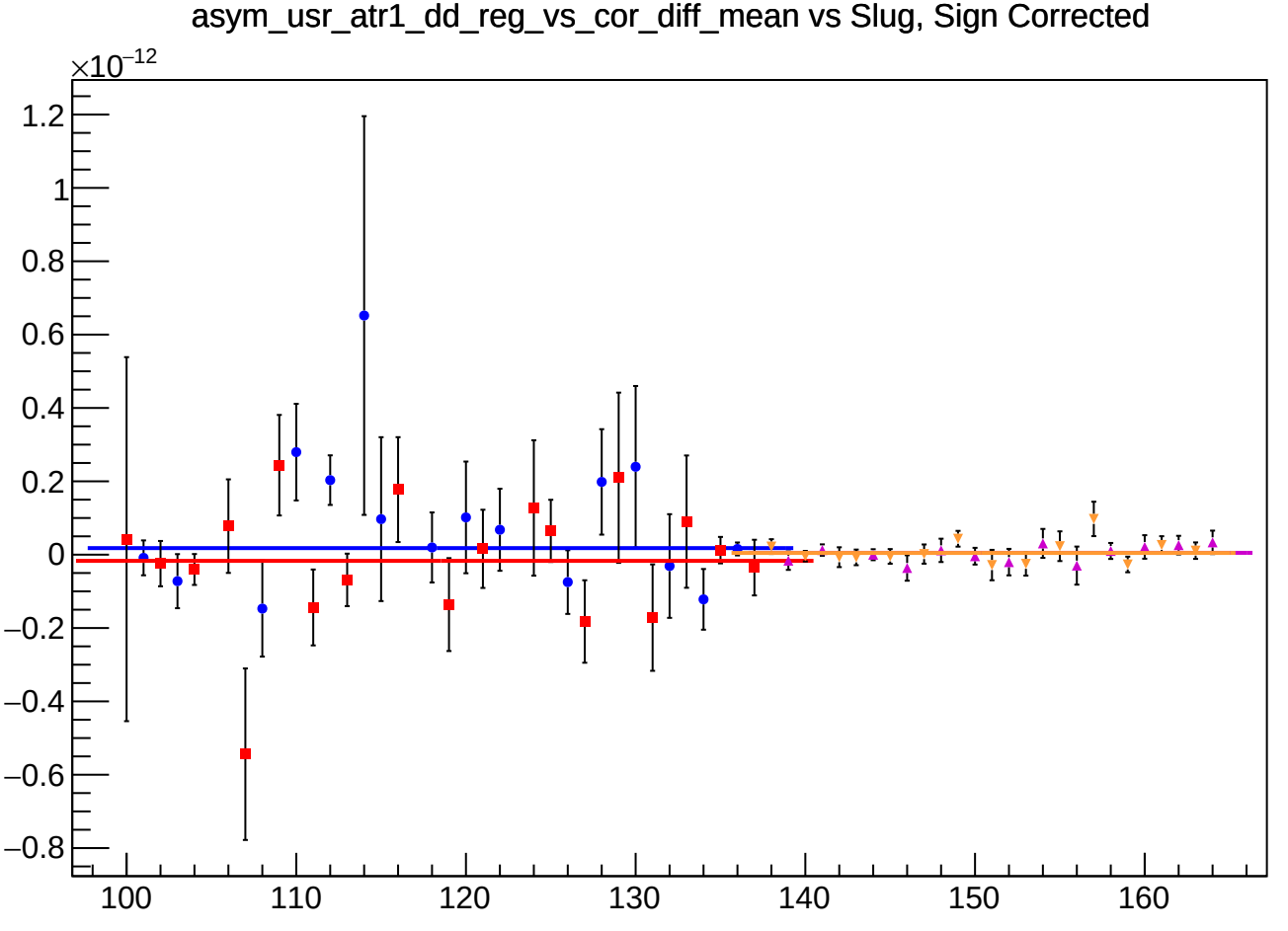
Left: 1473.498+/-0.221 χ^2/NDF: 50315.4/26

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1548.178+/-0.260 χ^2/NDF:939954.3/28

Out: 1549.648+/-0.256 χ^2/NDF:470179.6/32

All: 1548.923+/-0.183 χ^2/NDF: 1410150.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/12

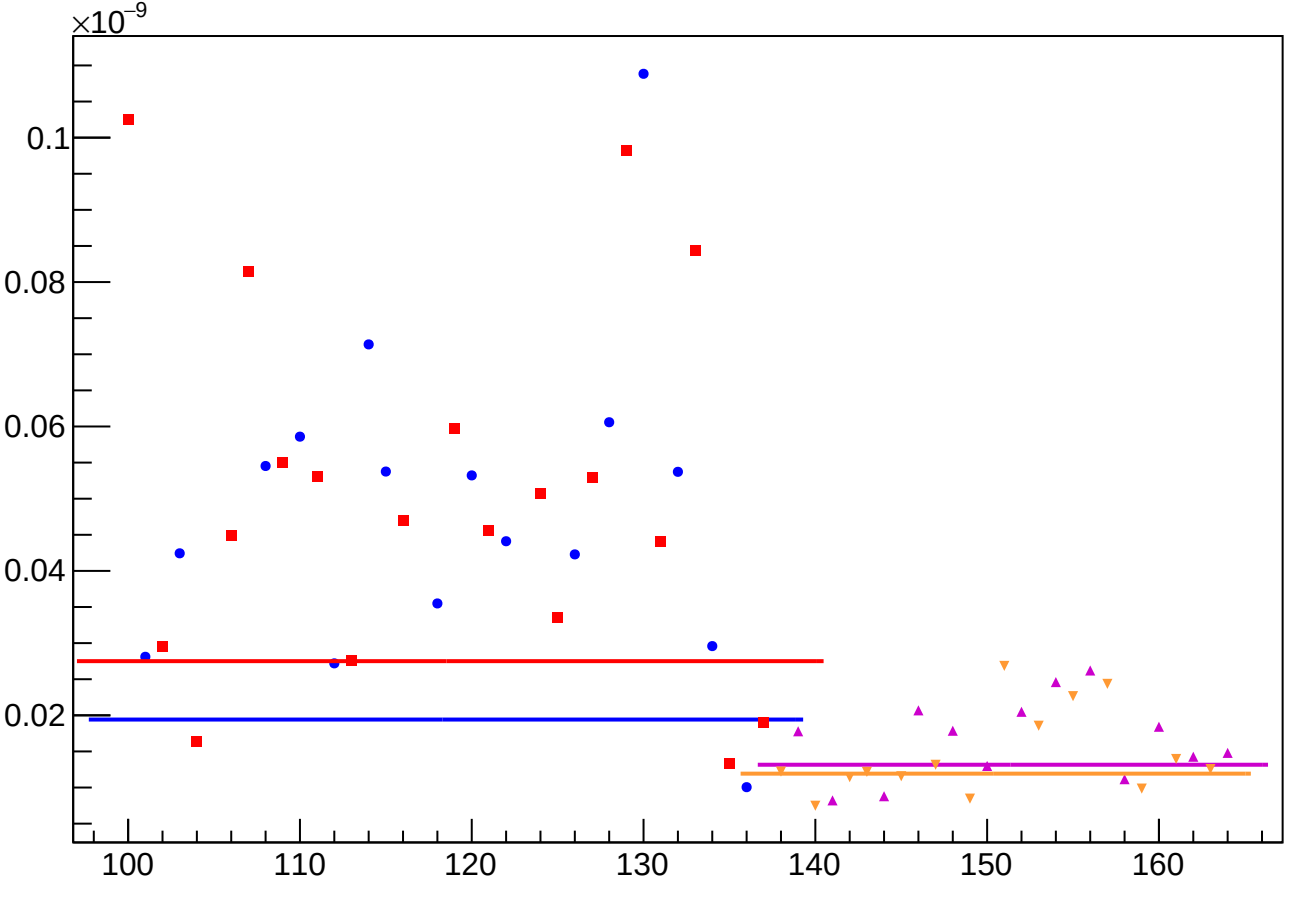
Left: 0.000+/-0.000 χ^2/NDF: 19.6/26

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:30.1/28

Out: 0.000+/-0.000 χ^2/NDF:36.3/32

All: 0.000+/-0.000 χ^2/NDF: 66.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:910509.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1035128.8/12

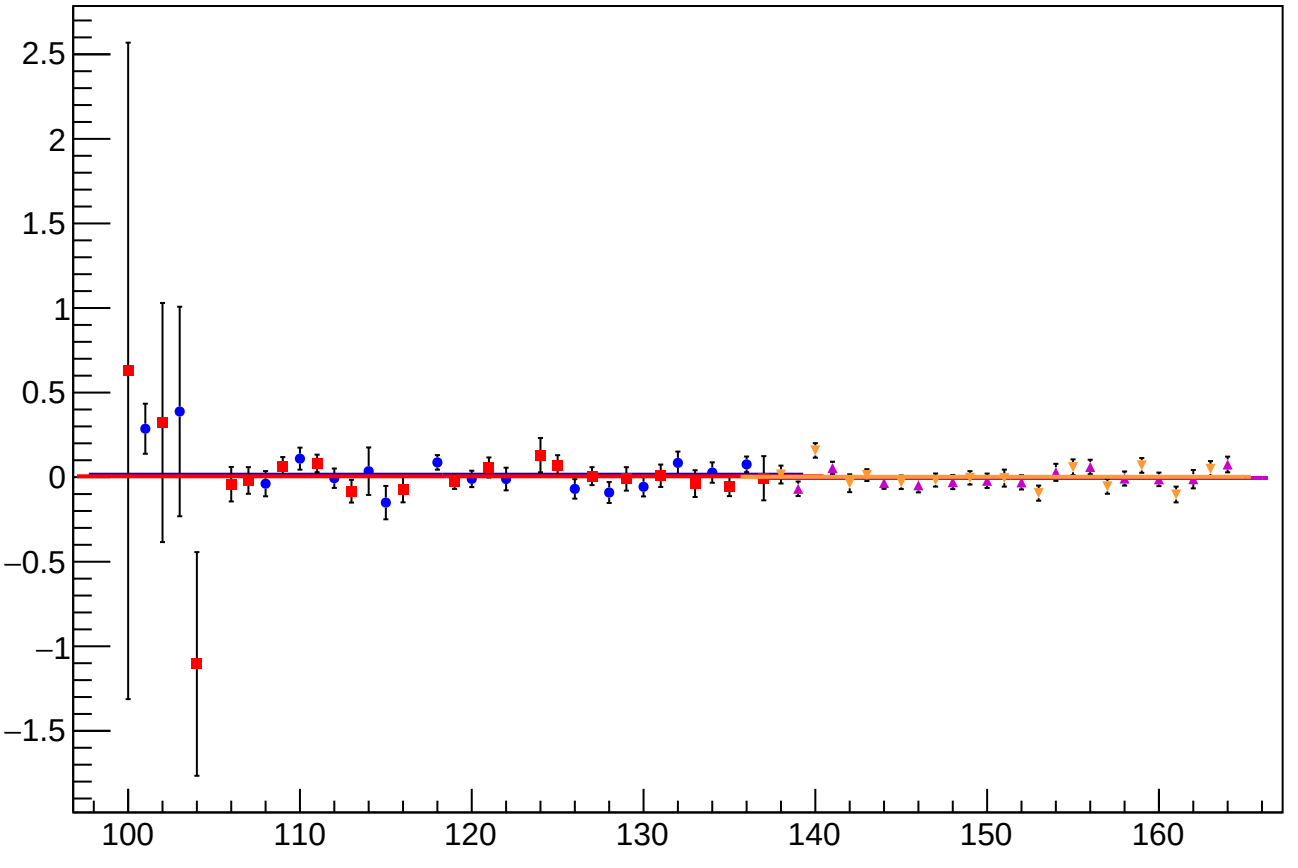
Left: 0.000+/-0.000 χ^2/NDF: 1981044.8/26

Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3618634.3/28

Out: 0.000+/-0.000 χ^2/NDF:3761753.0/32

All: 0.000+/-0.000 χ^2/NDF: 7401647.3/61



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/13

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.005+/-0.012 χ^2/NDF:13.1/12

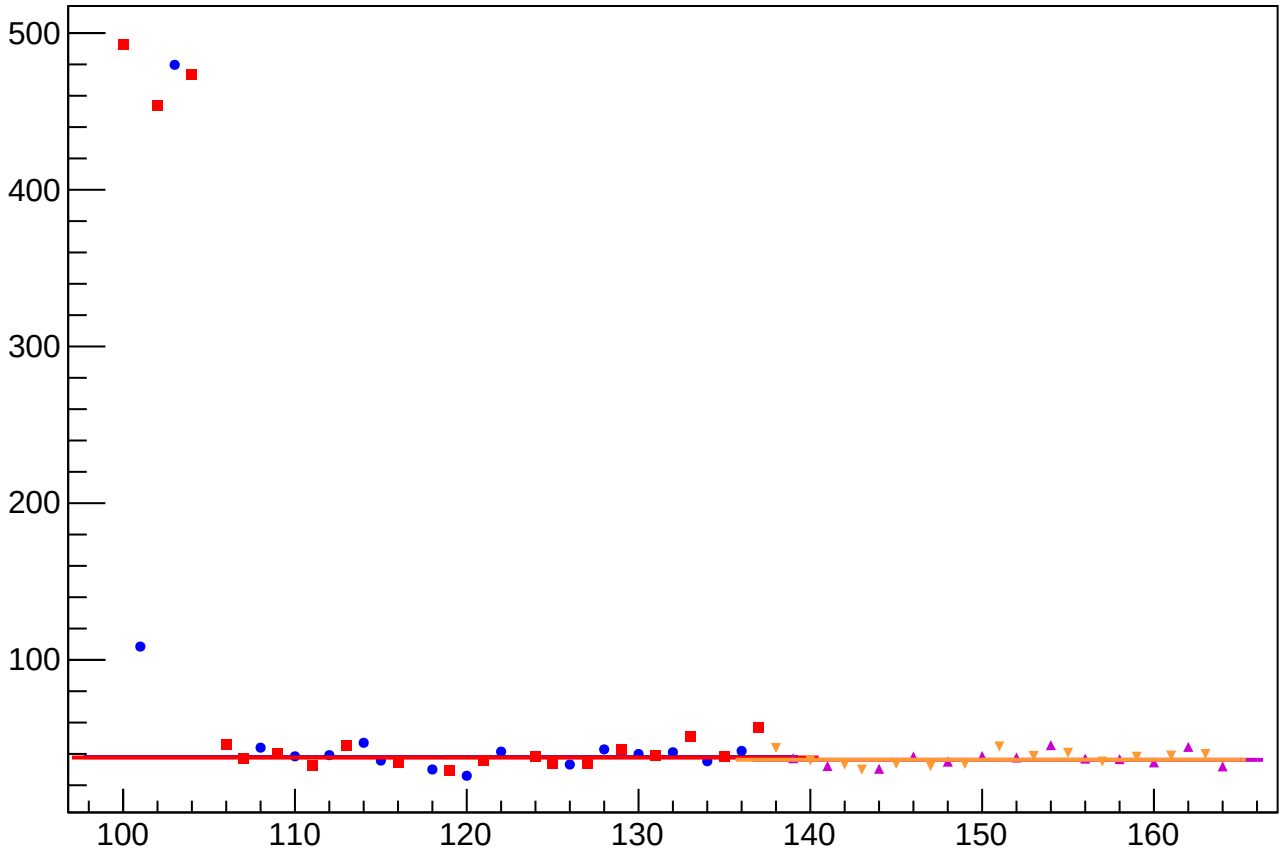
Left: -0.001+/-0.008 χ^2/NDF: 44.4/26

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.002+/-0.009 χ^2/NDF:36.1/28

Out: 0.003+/-0.009 χ^2/NDF:46.0/32

All: 0.003+/-0.007 χ^2/NDF: 82.1/61



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.291+/-0.008 χ^2/NDF:257345.2/13

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.217+/-0.008 χ^2/NDF:230191.5/12

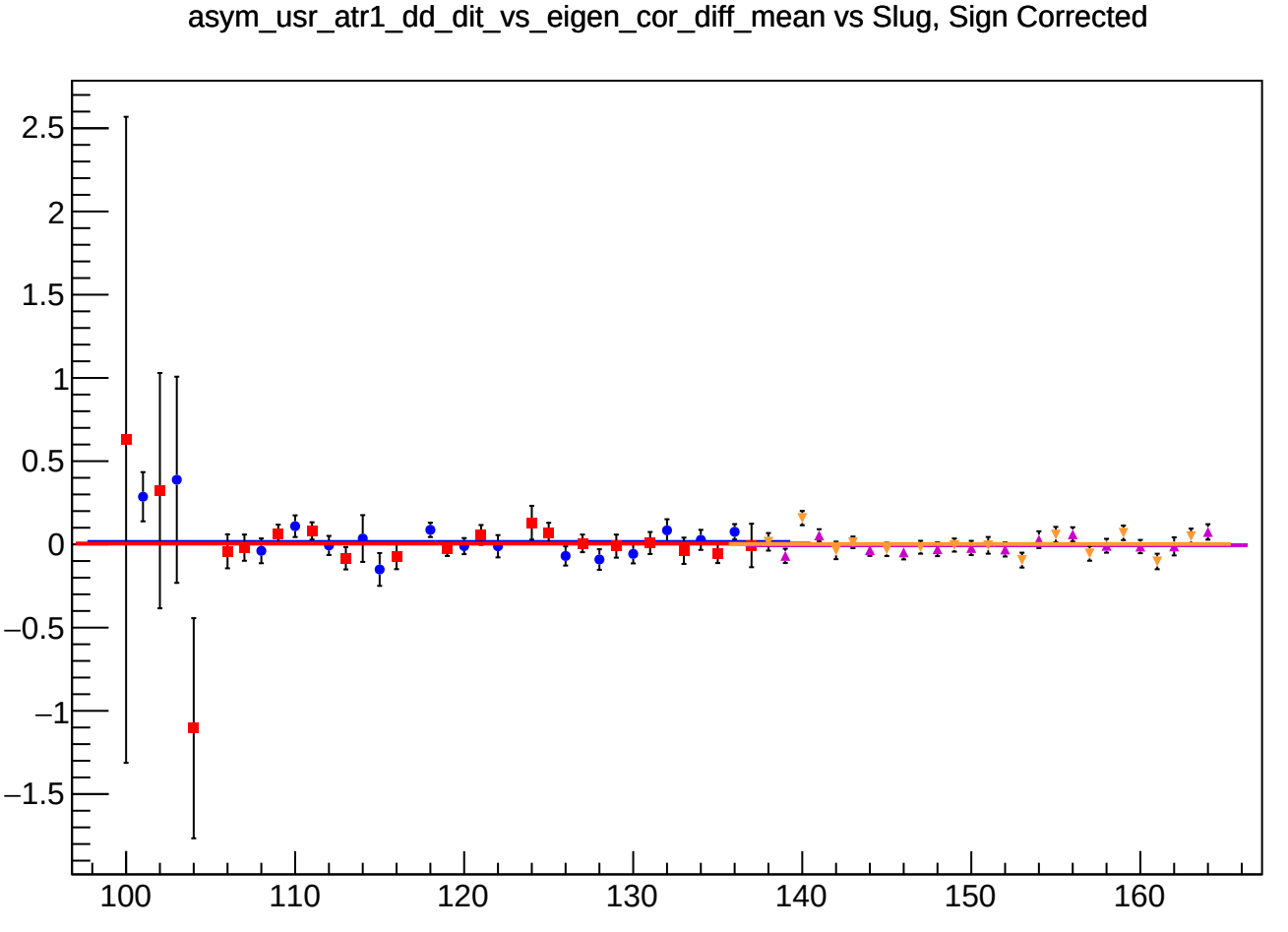
Left: 36.254+/-0.006 χ^2/NDF: 487576.9/26

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.823+/-0.007 χ^2/NDF:1985078.1/28

Out: 36.777+/-0.007 χ^2/NDF:2212245.8/32

All: 36.800+/-0.005 χ^2/NDF: 4197347.3/61



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/13

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.005+/-0.012 χ^2/NDF:13.1/12

Left: -0.001+/-0.008 χ^2/NDF: 44.4/26

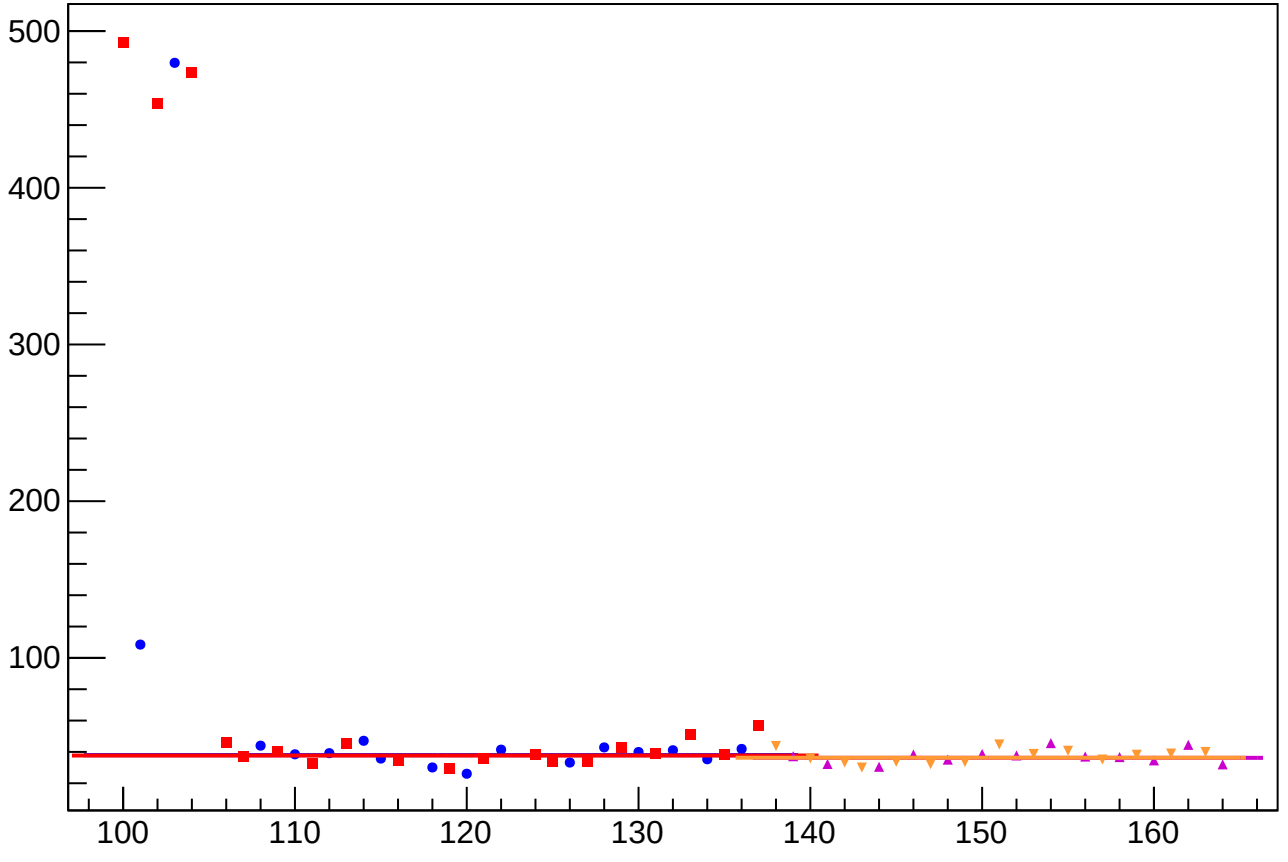
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.002+/-0.009 χ^2/NDF:36.1/28

Out: 0.003+/-0.009 χ^2/NDF:46.0/32

All: 0.003+/-0.007 χ^2/NDF: 82.1/61

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.291+/-0.008 χ^2/NDF:257345.2/13

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.217+/-0.008 χ^2/NDF:230191.5/12

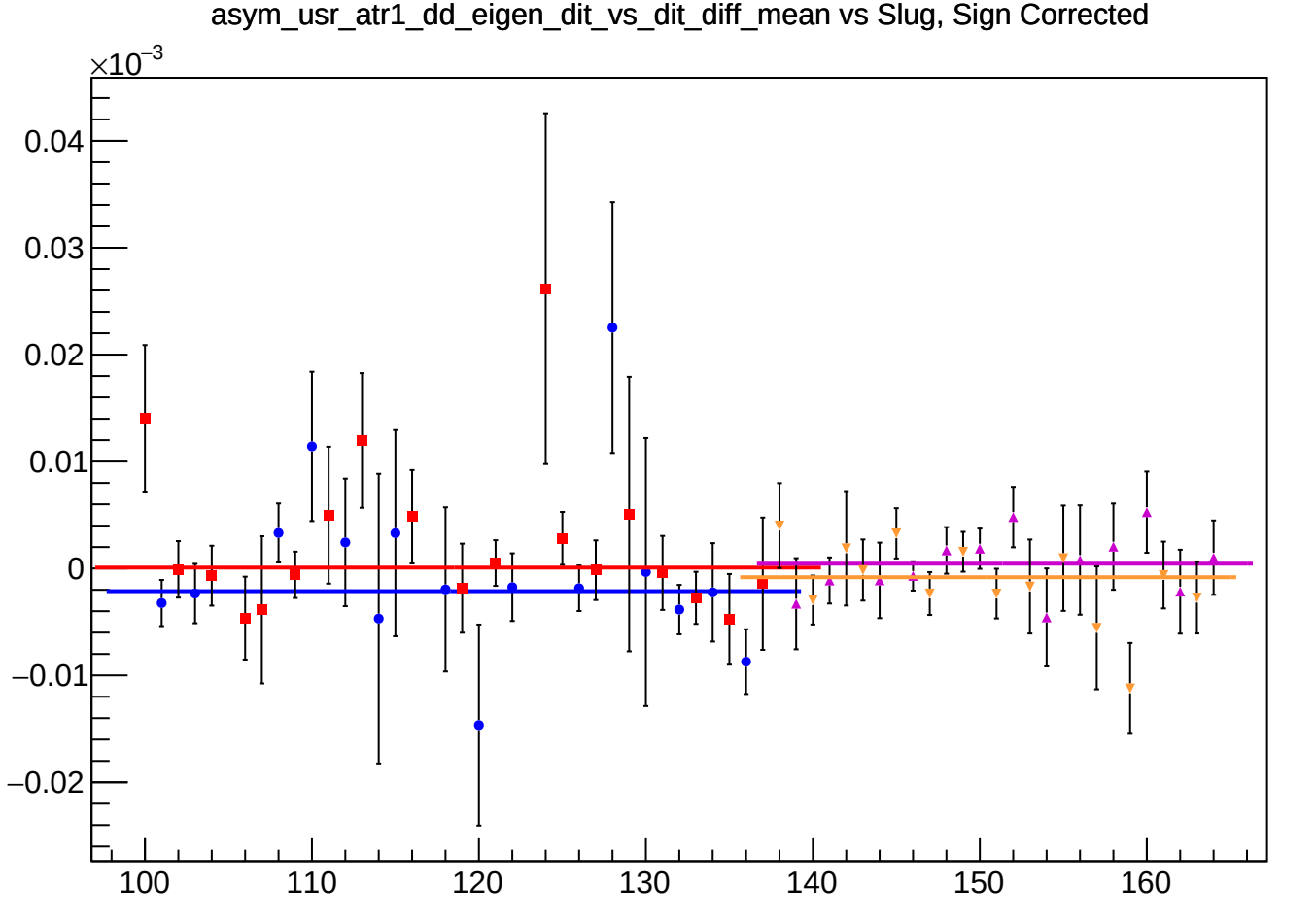
Left: 36.254+/-0.006 χ^2/NDF: 487576.9/26

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.823+/-0.007 χ^2/NDF:1985078.1/28

Out: 36.777+/-0.007 χ^2/NDF:2212245.8/32

All: 36.800+/-0.005 χ^2/NDF: 4197347.3/61



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/12

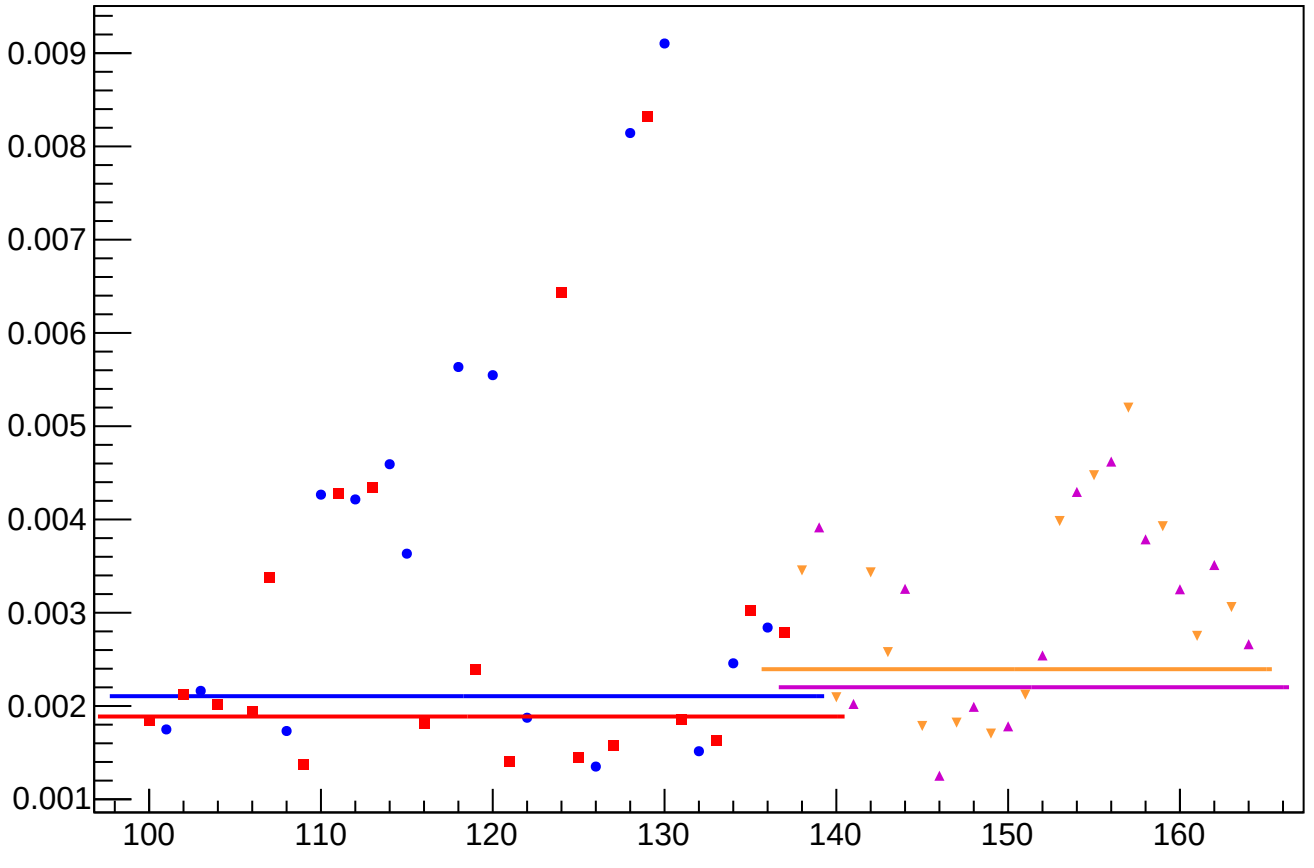
Left: -0.000+/-0.000 χ^2/NDF: 25.9/26

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

In: -0.000+/-0.000 χ^2/NDF:34.3/28

Out: -0.000+/-0.000 χ^2/NDF:34.6/32

All: -0.000+/-0.000 χ^2/NDF: 68.9/61



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2319489.2/13

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3209278.3/12

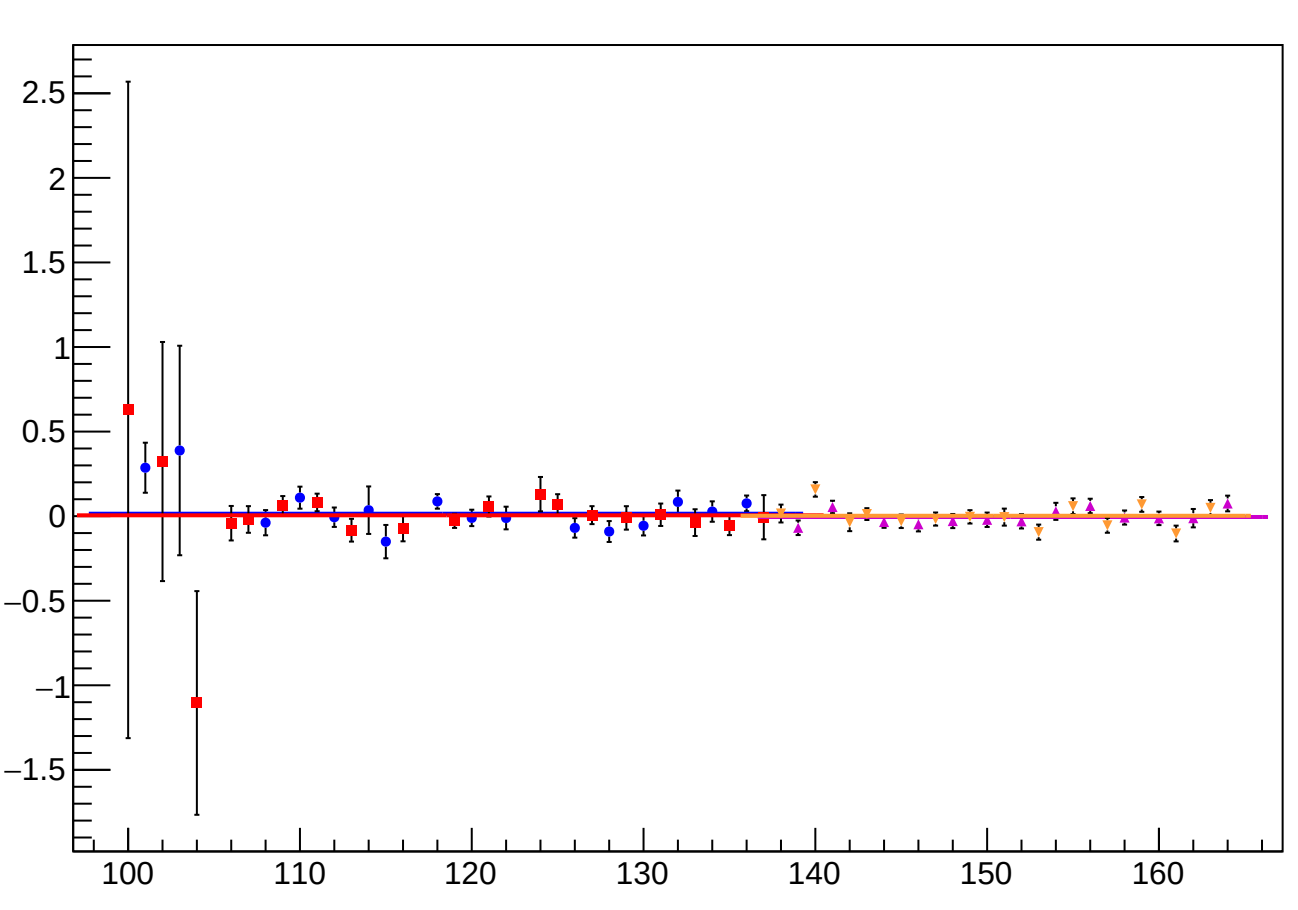
Left: 0.002+/-0.000 χ^2/NDF: 5595020.0/26

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:6240615.7/28

Out: 0.002+/-0.000 χ^2/NDF:4635010.1/32

All: 0.002+/-0.000 χ^2/NDF: 10876430.3/61



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/13

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.005+/-0.012 χ^2/NDF:13.1/12

Left: -0.001+/-0.008 χ^2/NDF: 44.4/26

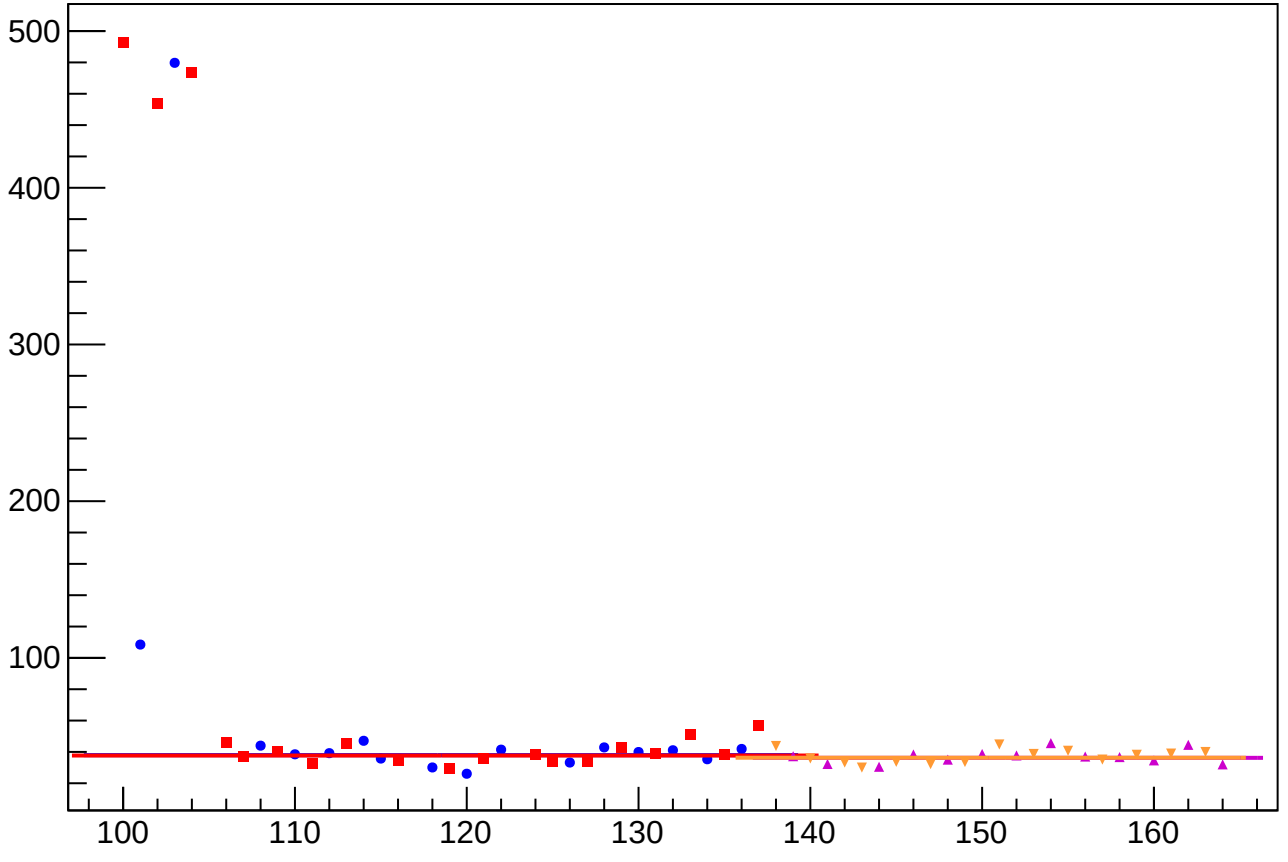
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.002+/-0.009 χ^2/NDF:36.1/28

Out: 0.003+/-0.009 χ^2/NDF:46.0/32

All: 0.003+/-0.007 χ^2/NDF: 82.1/61

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: 36.291+/-0.008 χ^2/NDF:257398.5/13

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.217+/-0.008 χ^2/NDF:230223.4/12

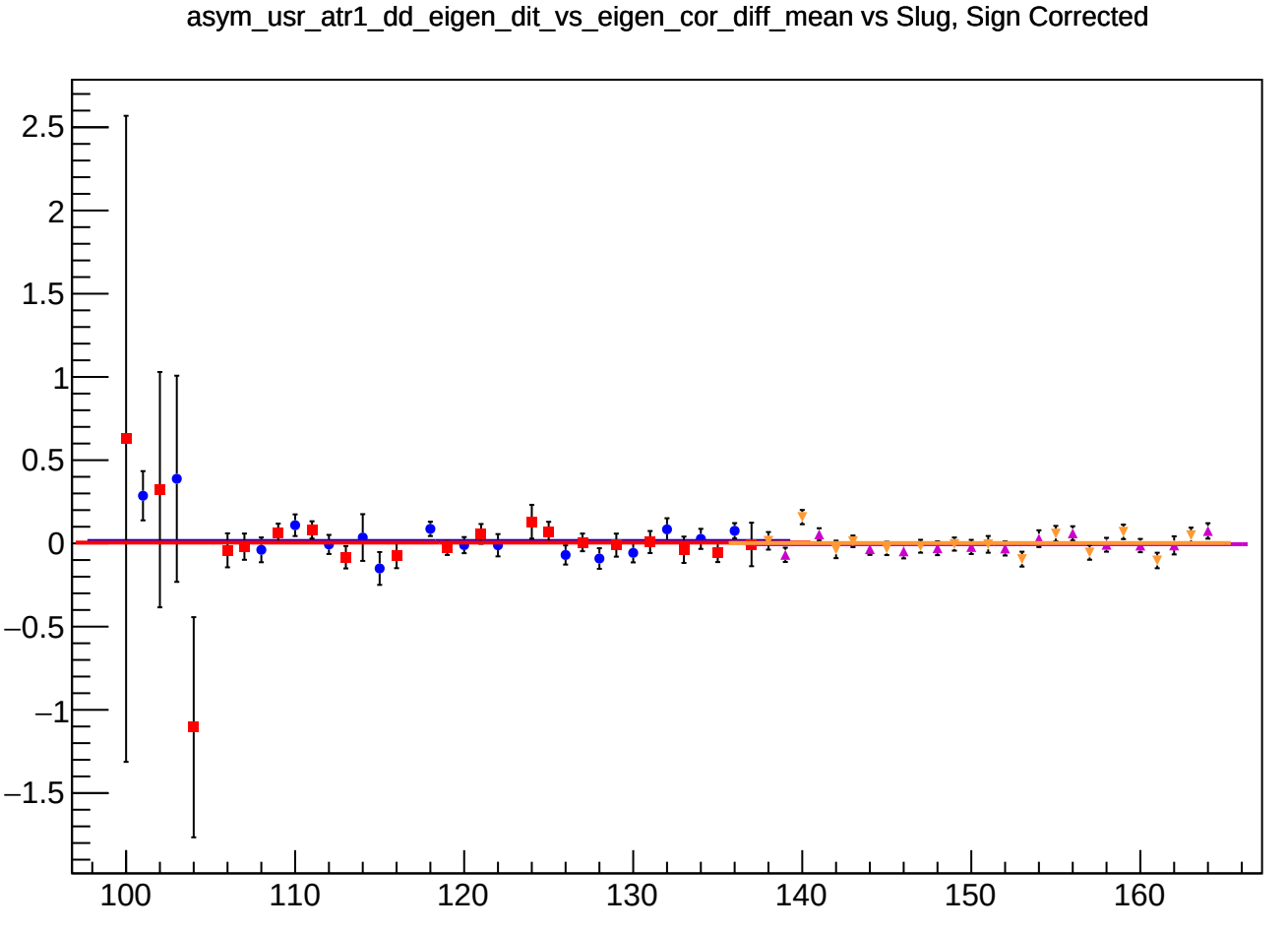
Left: 36.254+/-0.006 χ^2/NDF: 487662.4/26

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

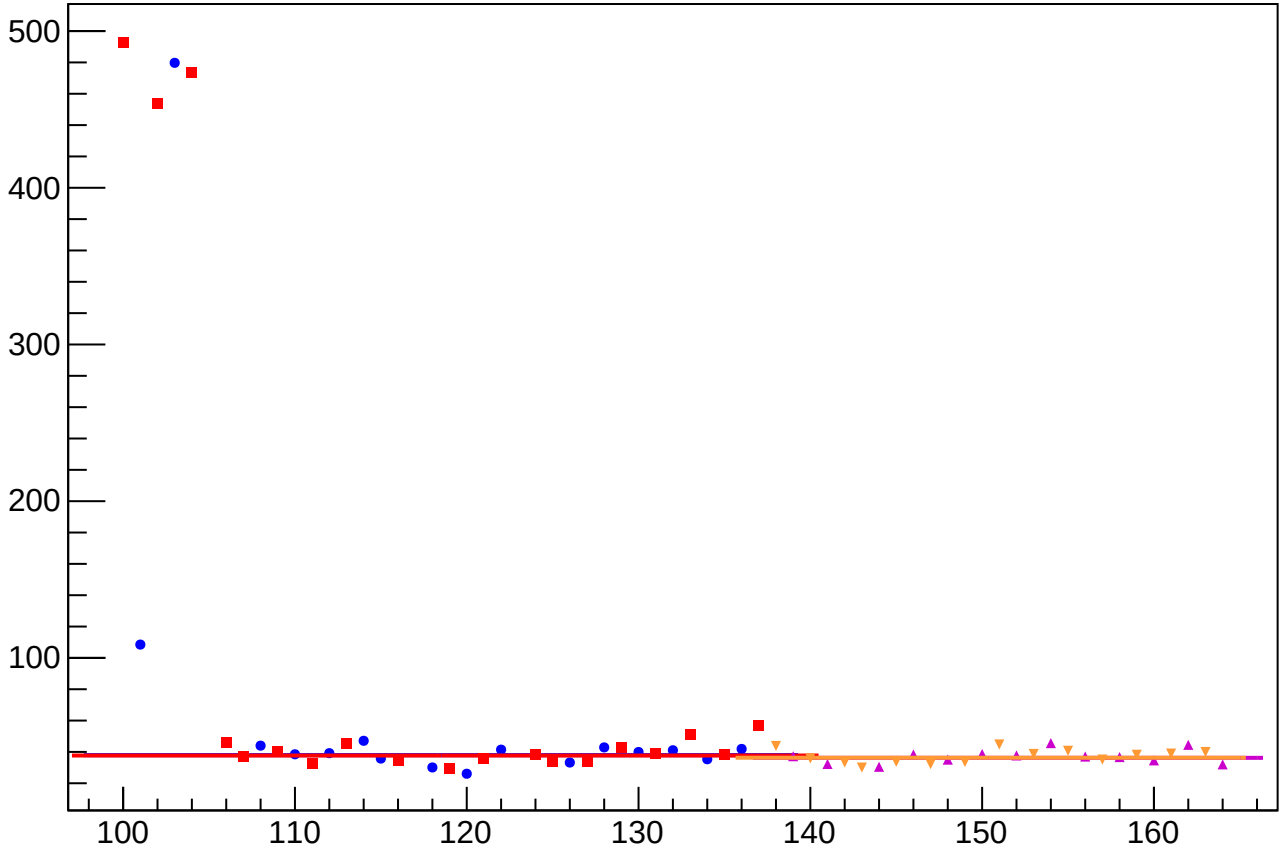
In: 36.822+/-0.007 χ^2/NDF:1985119.2/28

Out: 36.777+/-0.007 χ^2/NDF:2212360.6/32

All: 36.800+/-0.005 χ^2/NDF: 4197503.2/61


asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
Right In: 0.014+/-0.016 χ²/NDF: 22.0/15
Left Out: 0.002+/-0.012 χ²/NDF:31.1/13
Right Out: 0.005+/-0.016 χ²/NDF: 14.9/18
Left In: -0.005+/-0.012 χ²/NDF:13.1/12
Left: -0.001+/-0.008 χ²/NDF: 44.4/26
Right: 0.010+/-0.011 χ²/NDF: 37.1/34
In: 0.002+/-0.009 χ²/NDF:36.1/28
Out: 0.003+/-0.009 χ²/NDF:46.0/32
All: 0.003+/-0.007 χ²/NDF: 82.1/61

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: 36.291+/-0.008 χ^2/NDF:257398.5/13

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.217+/-0.008 χ^2/NDF:230223.4/12

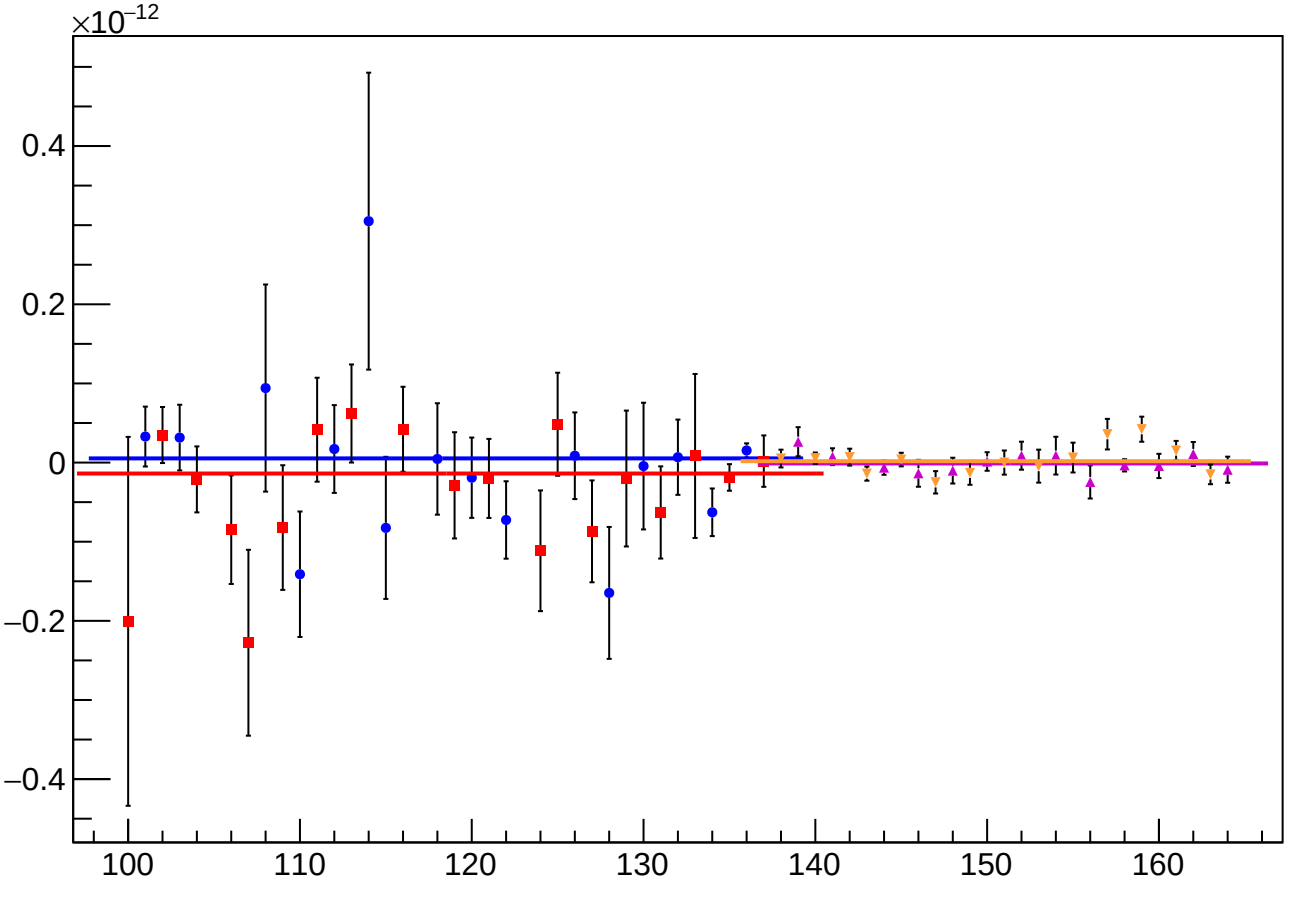
Left: 36.254+/-0.006 χ^2/NDF: 487662.4/26

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.822+/-0.007 χ^2/NDF:1985119.2/28

Out: 36.777+/-0.007 χ^2/NDF:2212360.6/32

All: 36.800+/-0.005 χ^2/NDF: 4197503.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/12

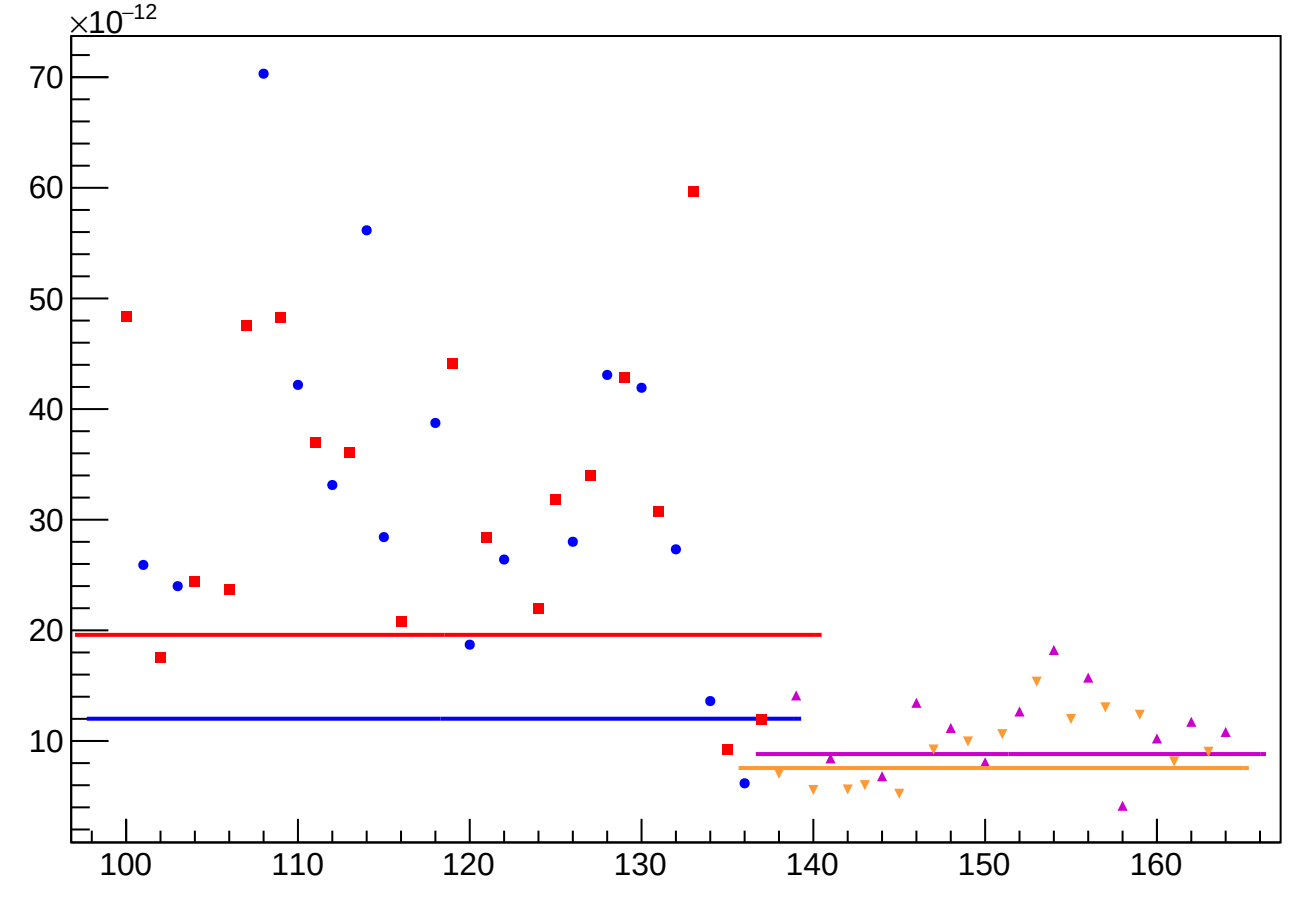
Left: 0.000+/-0.000 χ^2/NDF: 28.3/26

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:29.1/28

Out: 0.000+/-0.000 χ^2/NDF:39.1/32

All: 0.000+/-0.000 χ^2/NDF: 68.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1358081.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1938960.1/12

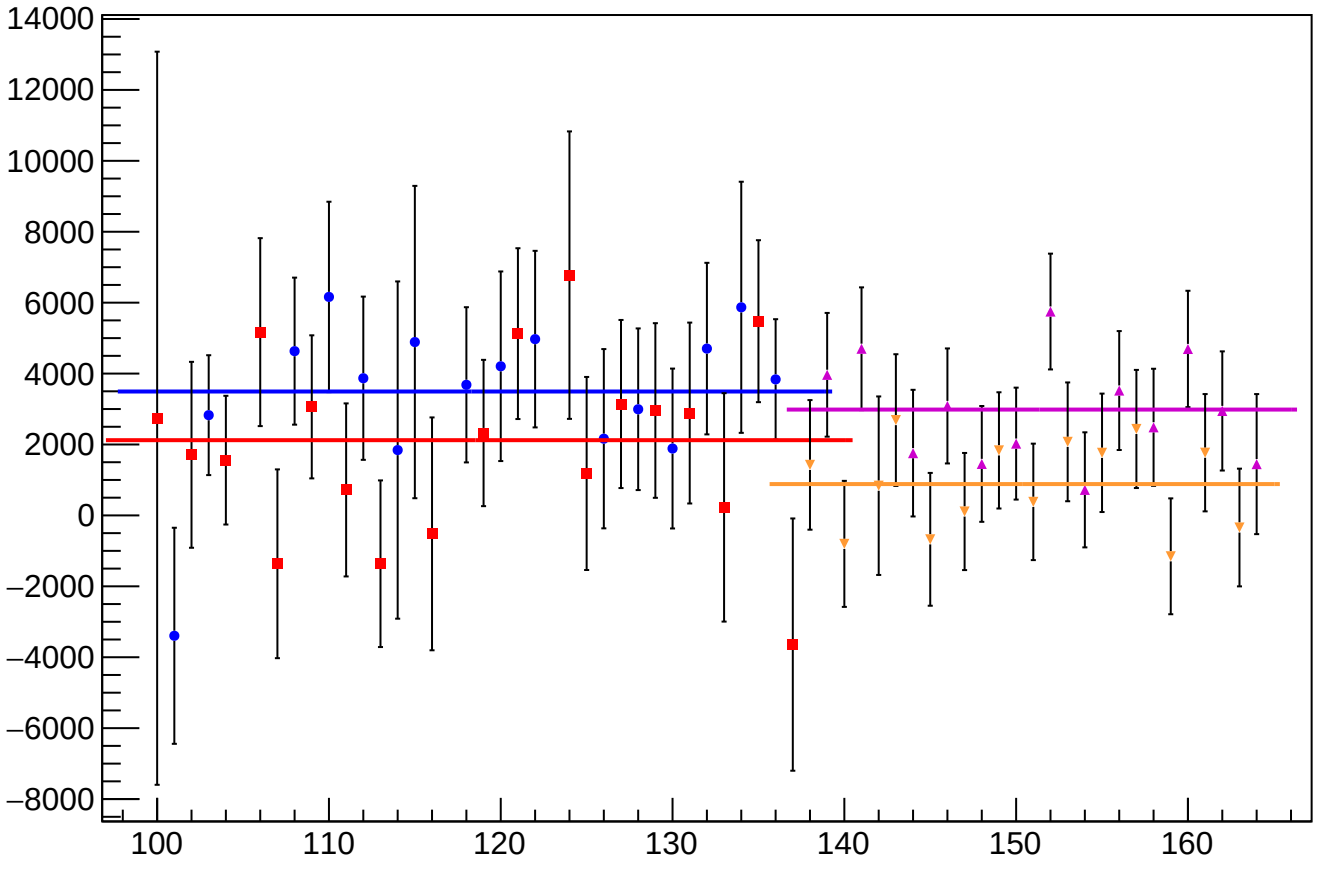
Left: 0.000+/-0.000 χ^2/NDF: 3433971.9/26

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6097191.1/28

Out: 0.000+/-0.000 χ^2/NDF:6363291.1/32

All: 0.000+/-0.000 χ^2/NDF: 12538917.7/61



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 883.653+/-464.411 χ^2/NDF:7.3/13

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2984.783+/-466.697 χ^2/NDF:9.7/12

Left: 1929.059+/-329.194 χ^2/NDF: 27.2/26

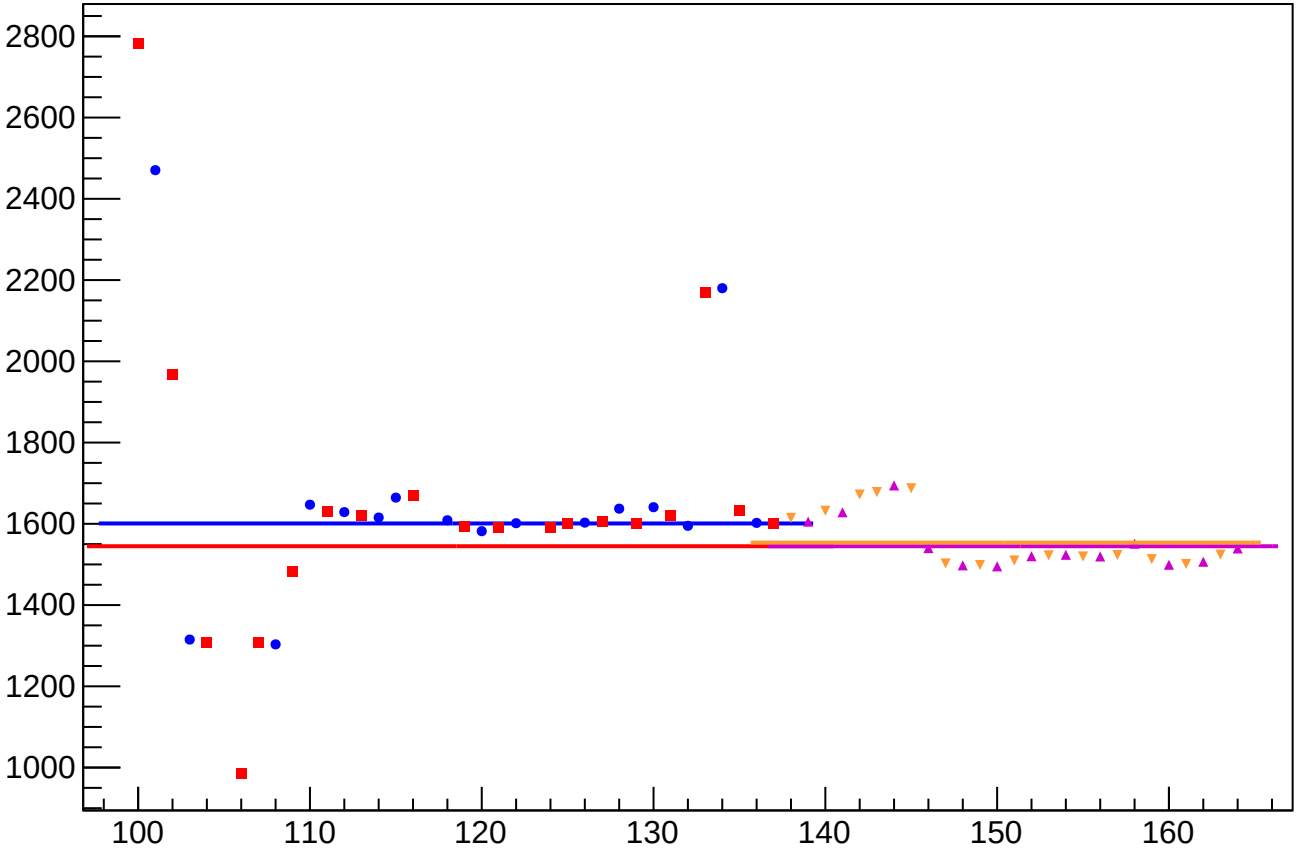
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3176.405+/-368.653 χ^2/NDF:19.0/28

Out: 1359.654+/-364.356 χ^2/NDF:25.1/32

All: 2257.381+/-259.145 χ^2/NDF: 56.4/61

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1553.821+/-0.328 χ^2/NDF:41450.5/13

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1544.804+/-0.330 χ^2/NDF:28621.5/12

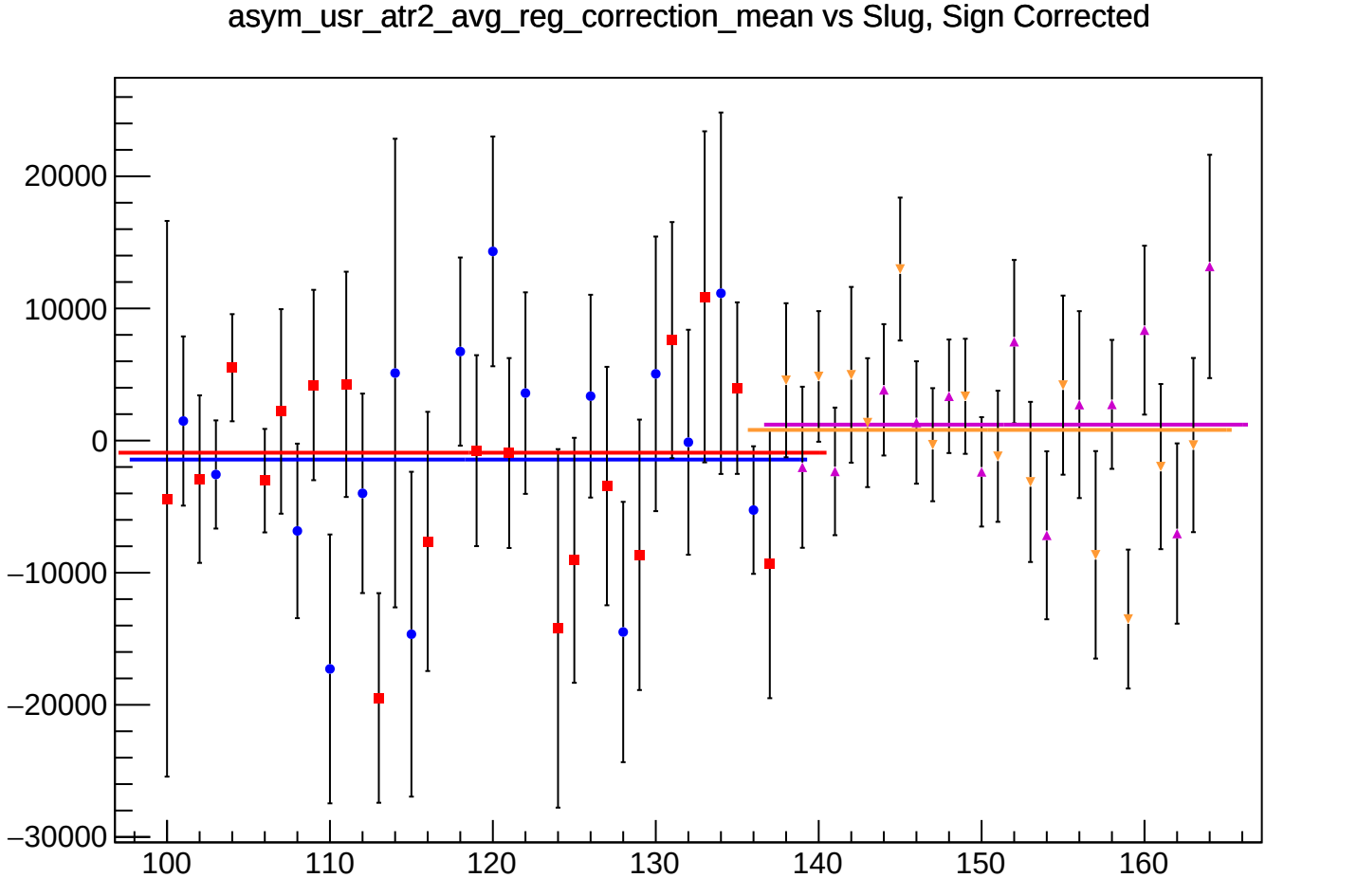
Left: 1549.334+/-0.233 χ^2/NDF: 70447.2/26

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1565.890+/-0.261 χ^2/NDF:356893.1/28

Out: 1550.284+/-0.256 χ^2/NDF:417873.5/32

All: 1557.945+/-0.183 χ^2/NDF: 776591.2/61



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 805.463+/-1463.047 χ^2/NDF:16.9/13

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 1206.835+/-1503.745 χ^2/NDF:9.7/12

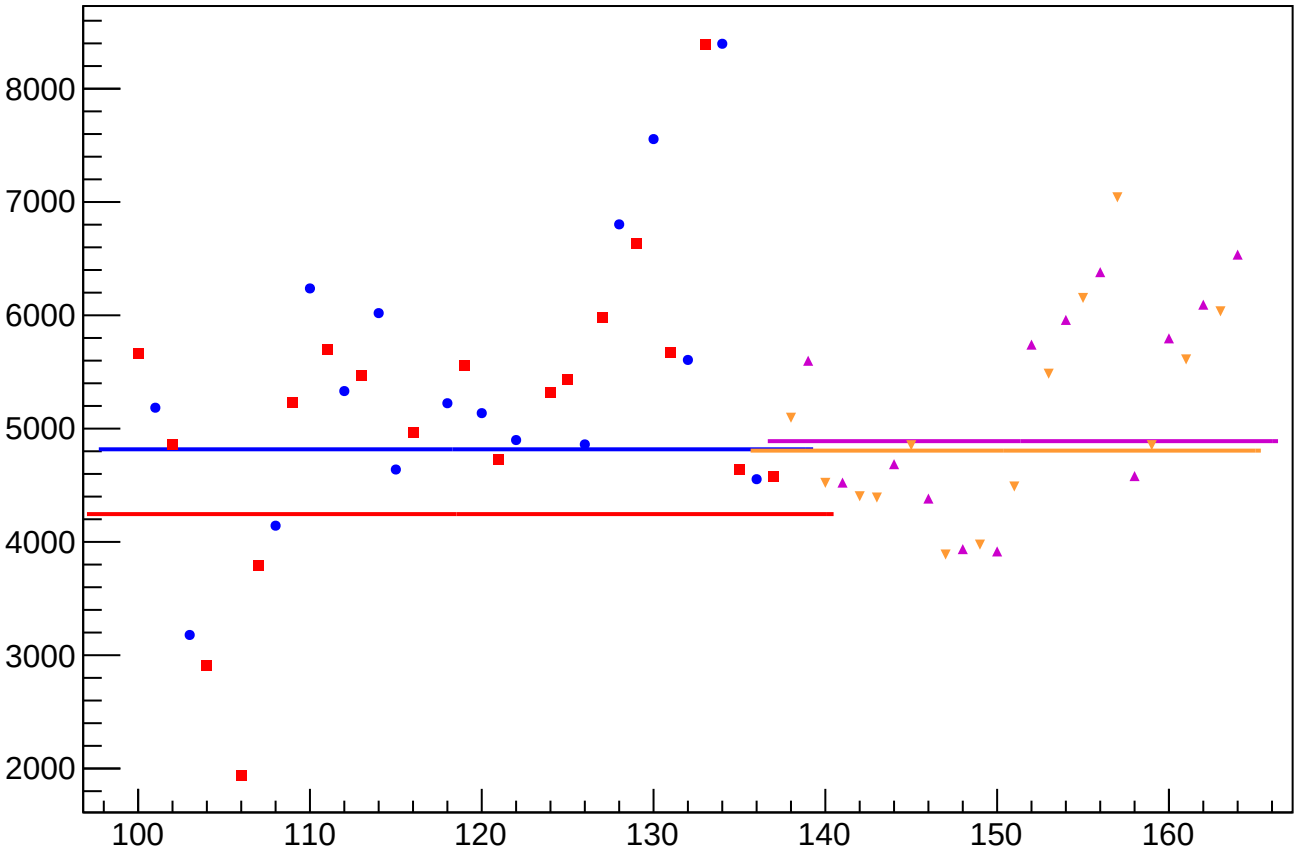
Left: 1000.644+/-1048.623 χ^2/NDF: 26.7/26

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: 153.779+/-1166.456 χ^2/NDF:24.8/28

Out: 56.503+/-1100.261 χ^2/NDF:32.8/32

All: 102.303+/-800.381 χ^2/NDF: 57.7/61



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4805.763+/-1.035 χ^2/NDF:575318.3/13

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4889.302+/-1.063 χ^2/NDF:644931.3/12

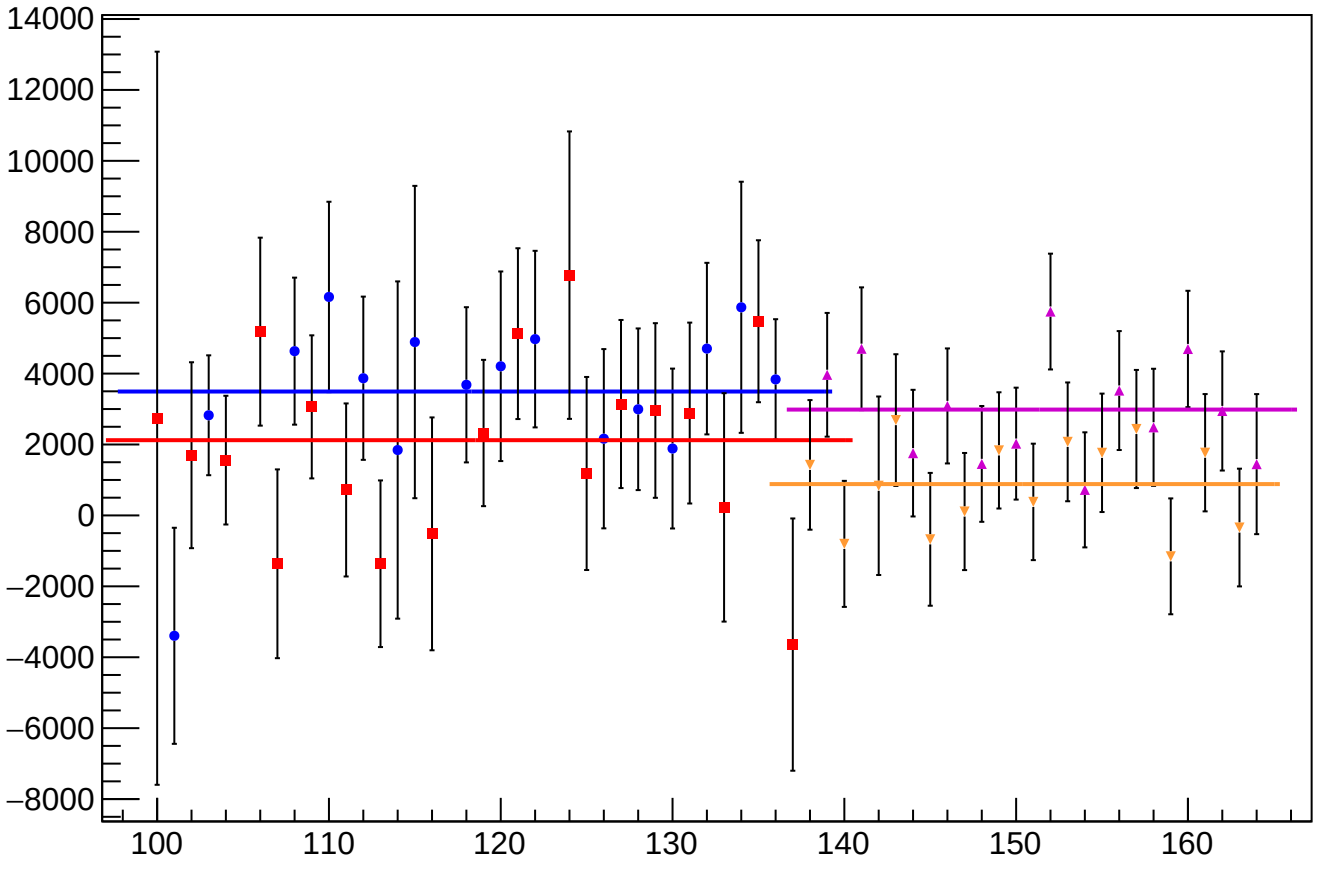
Left: 4846.387+/-0.741 χ^2/NDF: 1223420.5/26

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4860.642+/-0.825 χ^2/NDF:1442186.5/28

Out: 4562.374+/-0.778 χ^2/NDF:2385880.8/32

All: 4702.805+/-0.566 χ^2/NDF: 3897267.4/61



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 883.464+/-464.411 χ^2/NDF:7.3/13

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2984.790+/-466.697 χ^2/NDF:9.7/12

Left: 1928.967+/-329.194 χ^2/NDF: 27.2/26

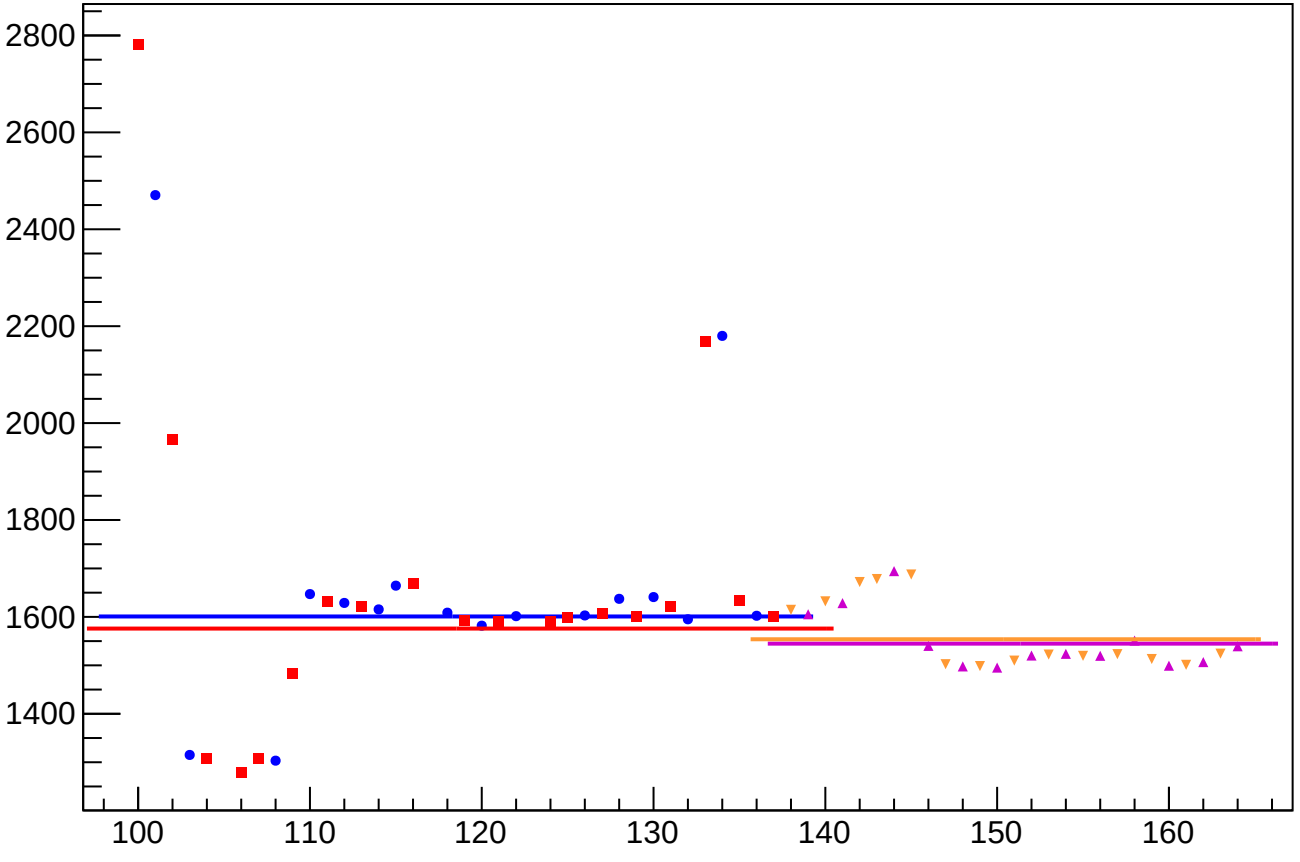
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3176.284+/-368.653 χ^2/NDF:19.0/28

Out: 1359.531+/-364.357 χ^2/NDF:25.1/32

All: 2257.260+/-259.145 χ^2/NDF: 56.4/61

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1553.821+/-0.328 χ^2/NDF:41450.5/13

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1544.804+/-0.330 χ^2/NDF:28621.5/12

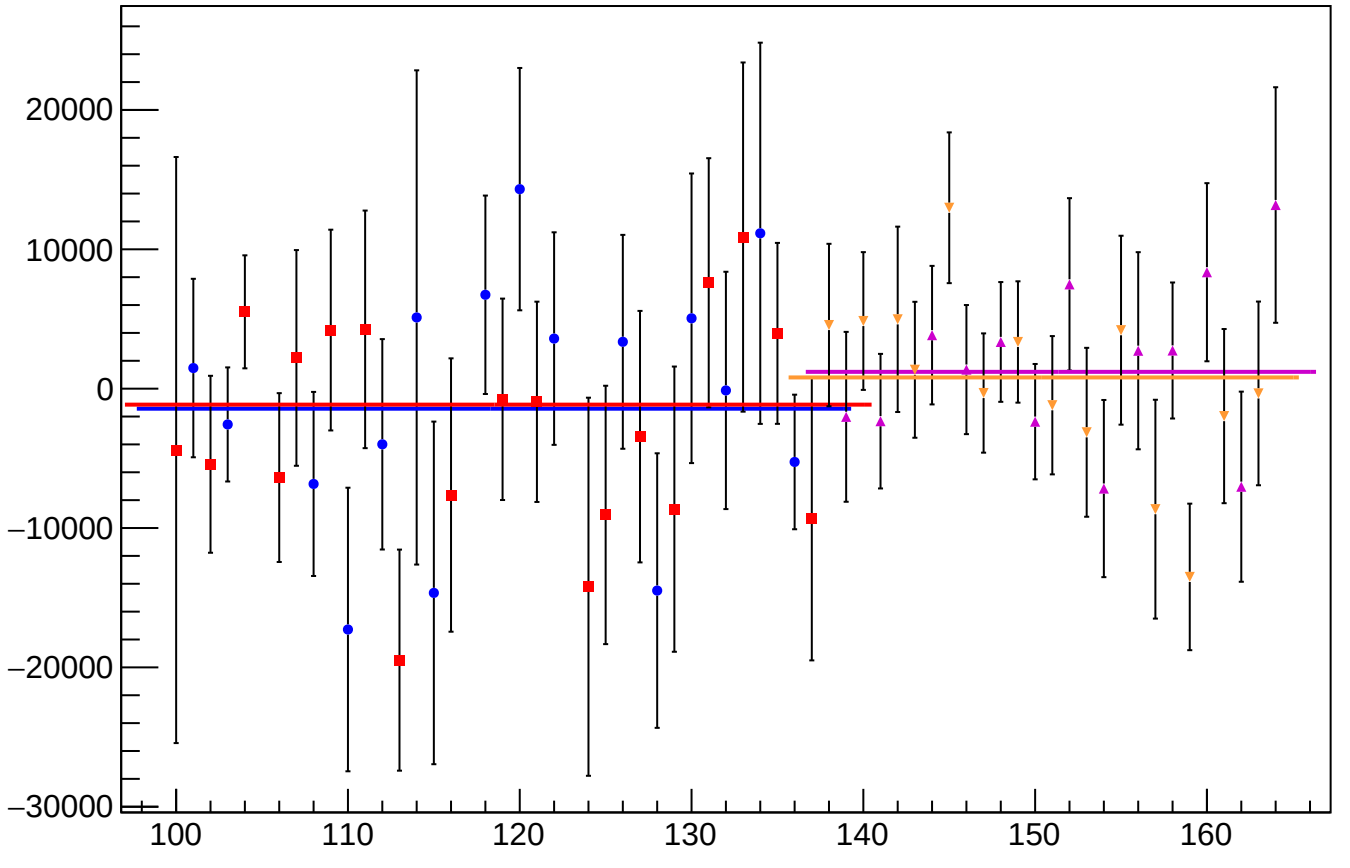
Left: 1549.334+/-0.233 χ^2/NDF: 70447.2/26

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1565.890+/-0.261 χ^2/NDF:356892.3/28

Out: 1562.351+/-0.257 χ^2/NDF:286529.0/32

All: 1564.097+/-0.183 χ^2/NDF: 643514.7/61



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 805.419+/-1463.044 χ^2/NDF:16.9/13

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1206.945+/-1503.745 χ^2/NDF:9.7/12

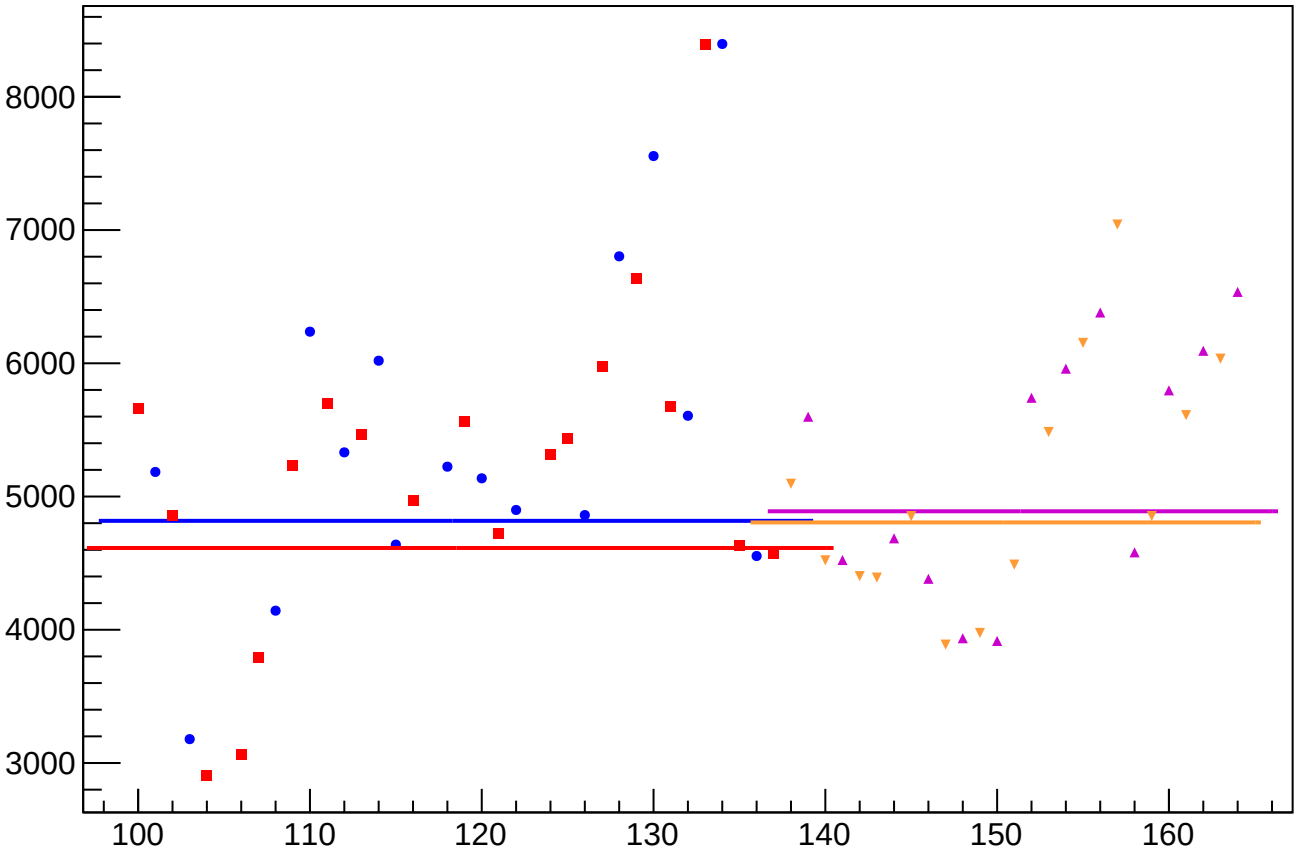
Left: 1000.674+/-1048.622 χ^2/NDF: 26.7/26

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 153.774+/-1166.465 χ^2/NDF:24.8/28

Out: 10.798+/-1126.482 χ^2/NDF:33.9/32

All: 79.794+/-810.310 χ^2/NDF: 58.7/61



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4805.753+/-1.035 χ^2/NDF:575327.0/13

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4889.302+/-1.063 χ^2/NDF:644933.2/12

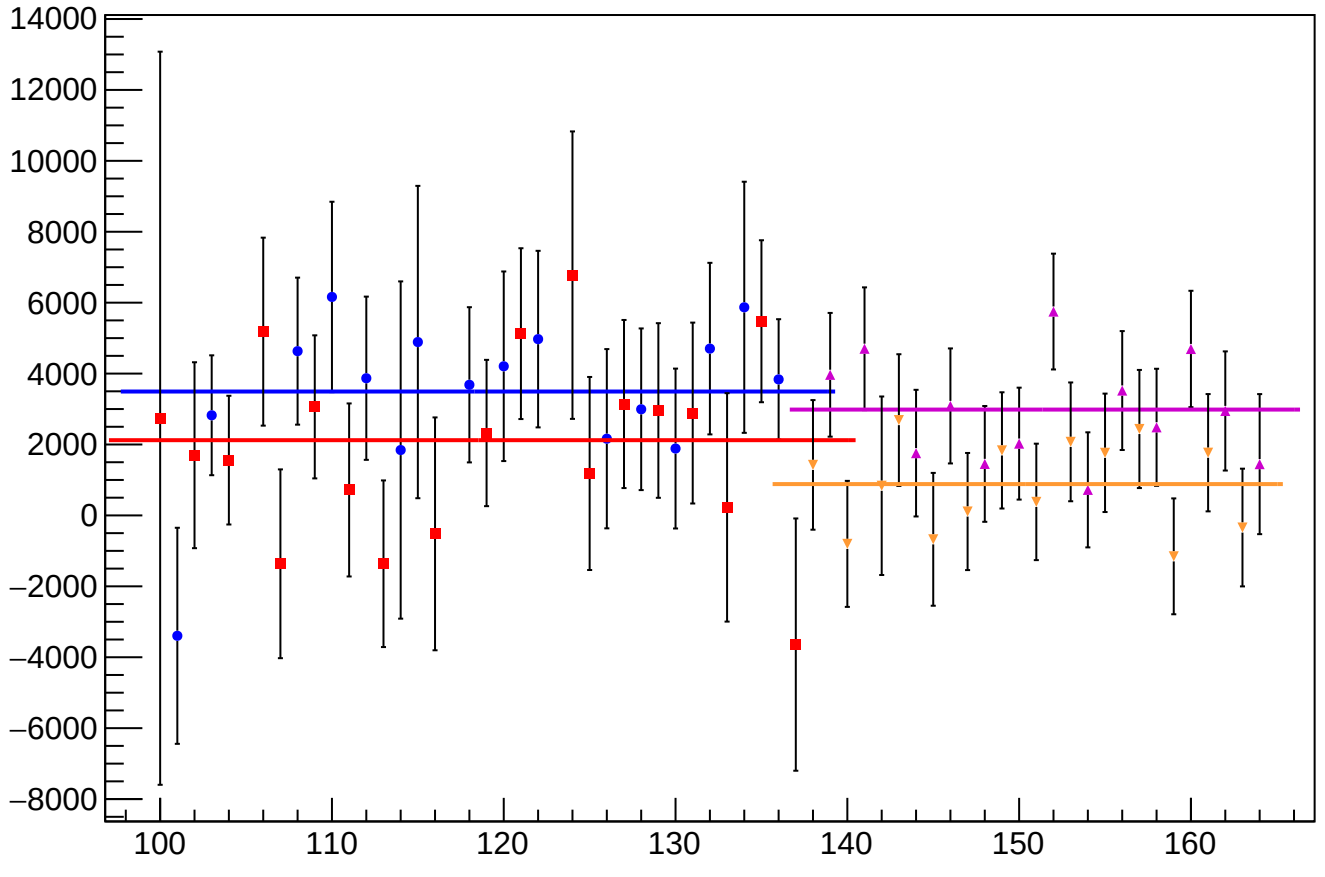
Left: 4846.382+/-0.741 χ^2/NDF: 1223431.9/26

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4860.697+/-0.825 χ^2/NDF:1441983.7/28

Out: 4727.617+/-0.797 χ^2/NDF:1567295.5/32

All: 4791.837+/-0.573 χ^2/NDF: 3022749.0/61



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 883.464+/-464.411 χ^2/NDF:7.3/13

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2984.790+/-466.697 χ^2/NDF:9.7/12

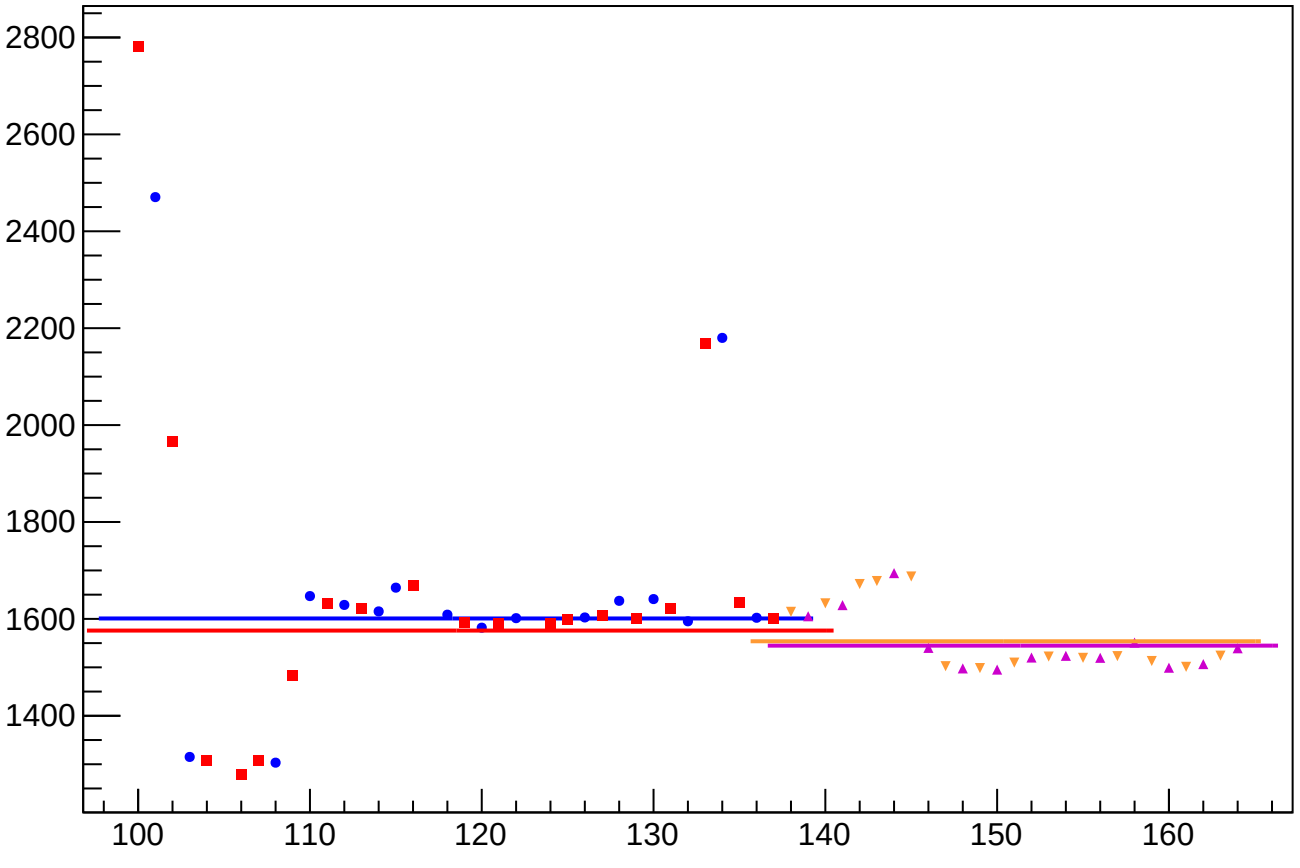
Left: 1928.967+/-329.194 χ^2/NDF: 27.2/26

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3176.284+/-368.653 χ^2/NDF:19.0/28

Out: 1359.531+/-364.357 χ^2/NDF:25.1/32

All: 2257.260+/-259.145 χ^2/NDF: 56.4/61



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1553.821+/-0.328 χ^2/NDF:41450.5/13

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1544.804+/-0.330 χ^2/NDF:28621.5/12

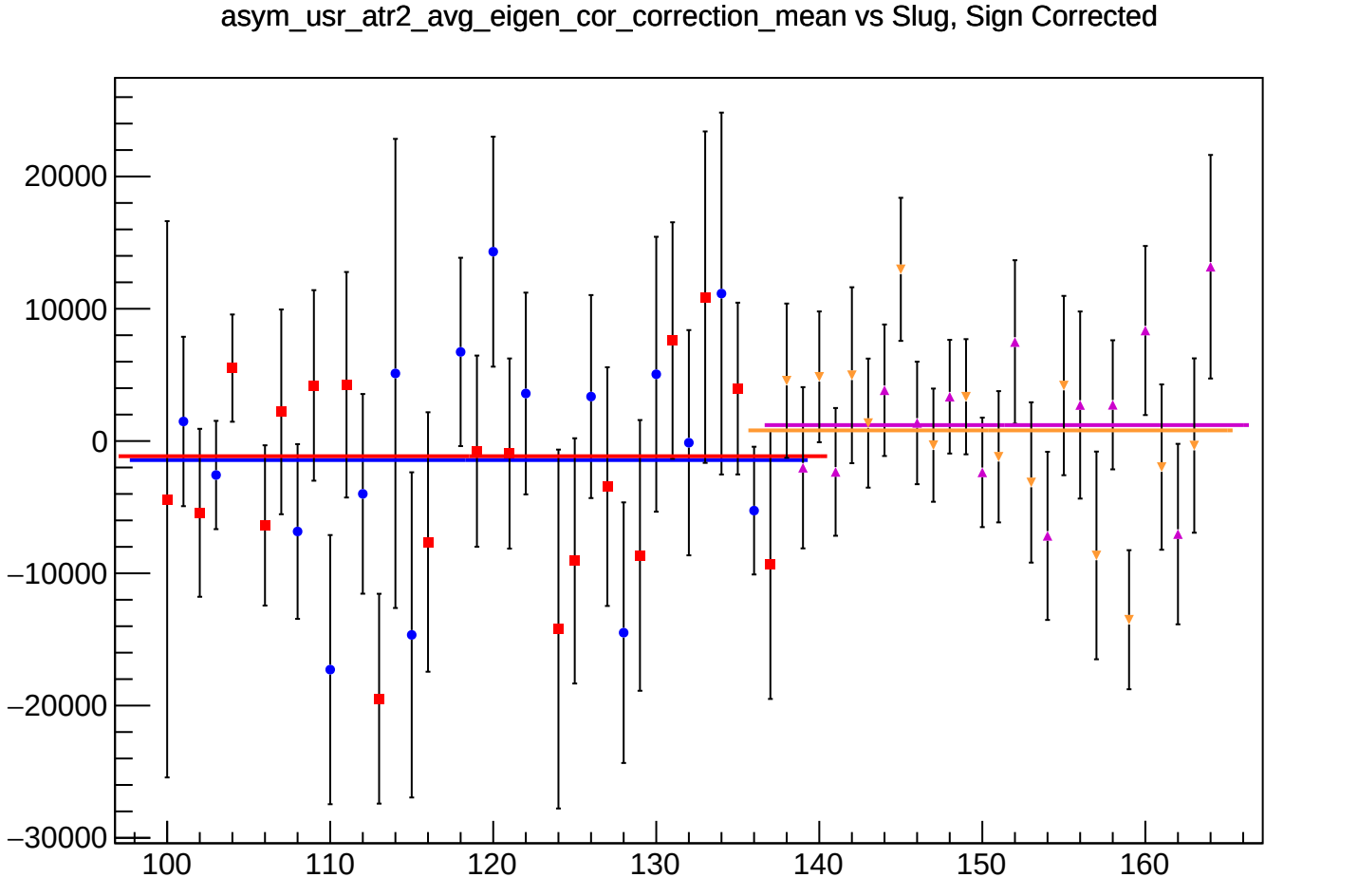
Left: 1549.334+/-0.233 χ^2/NDF: 70447.2/26

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1565.890+/-0.261 χ^2/NDF:356892.3/28

Out: 1562.351+/-0.257 χ^2/NDF:286529.0/32

All: 1564.097+/-0.183 χ^2/NDF: 643514.7/61



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 805.419+/-1463.044 χ^2/NDF:16.9/13

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1206.945+/-1503.745 χ^2/NDF:9.7/12

Left: 1000.674+/-1048.622 χ^2/NDF: 26.7/26

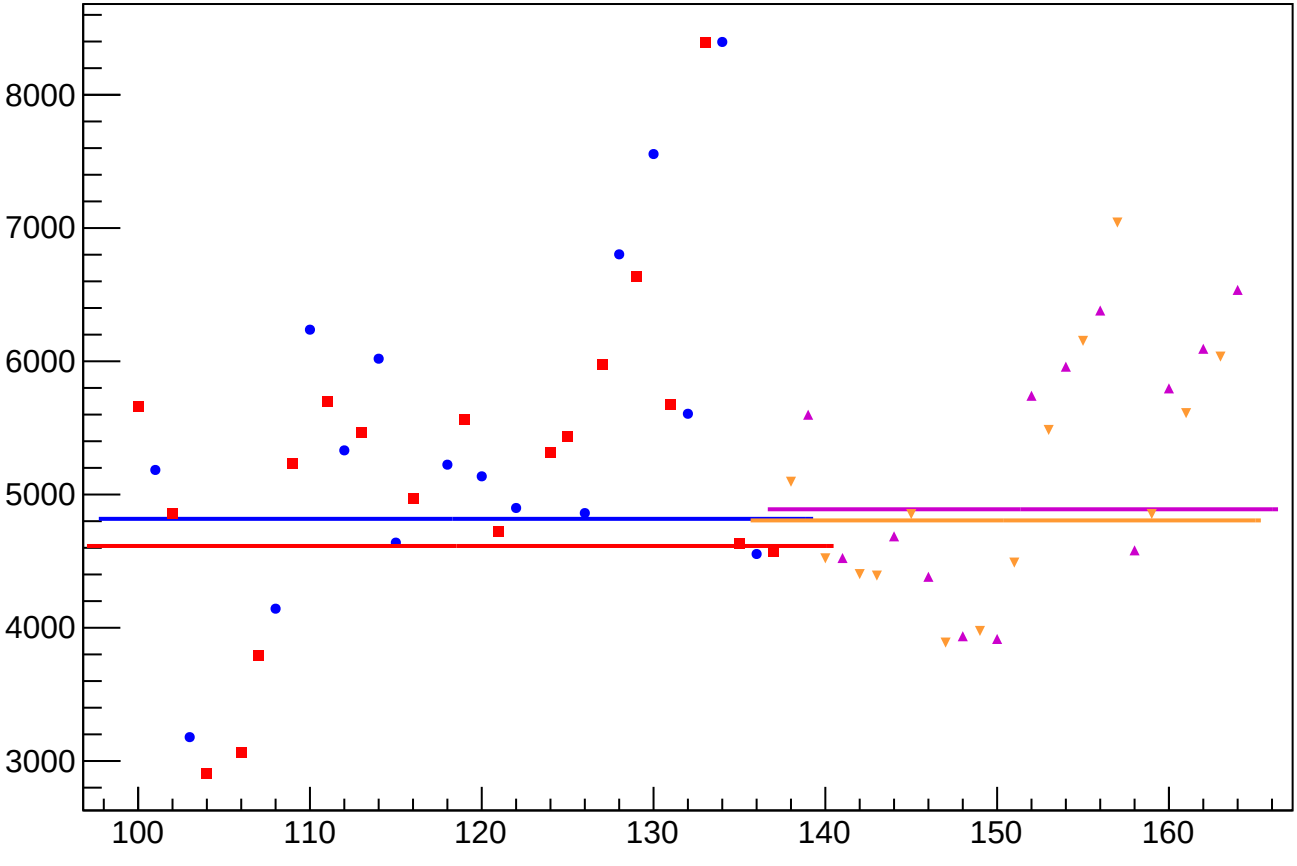
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 153.774+/-1166.465 χ^2/NDF:24.8/28

Out: 10.798+/-1126.482 χ^2/NDF:33.9/32

All: 79.794+/-810.310 χ^2/NDF: 58.7/61

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4805.753+/-1.035 χ^2/NDF:575327.0/13

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4889.302+/-1.063 χ^2/NDF:644933.2/12

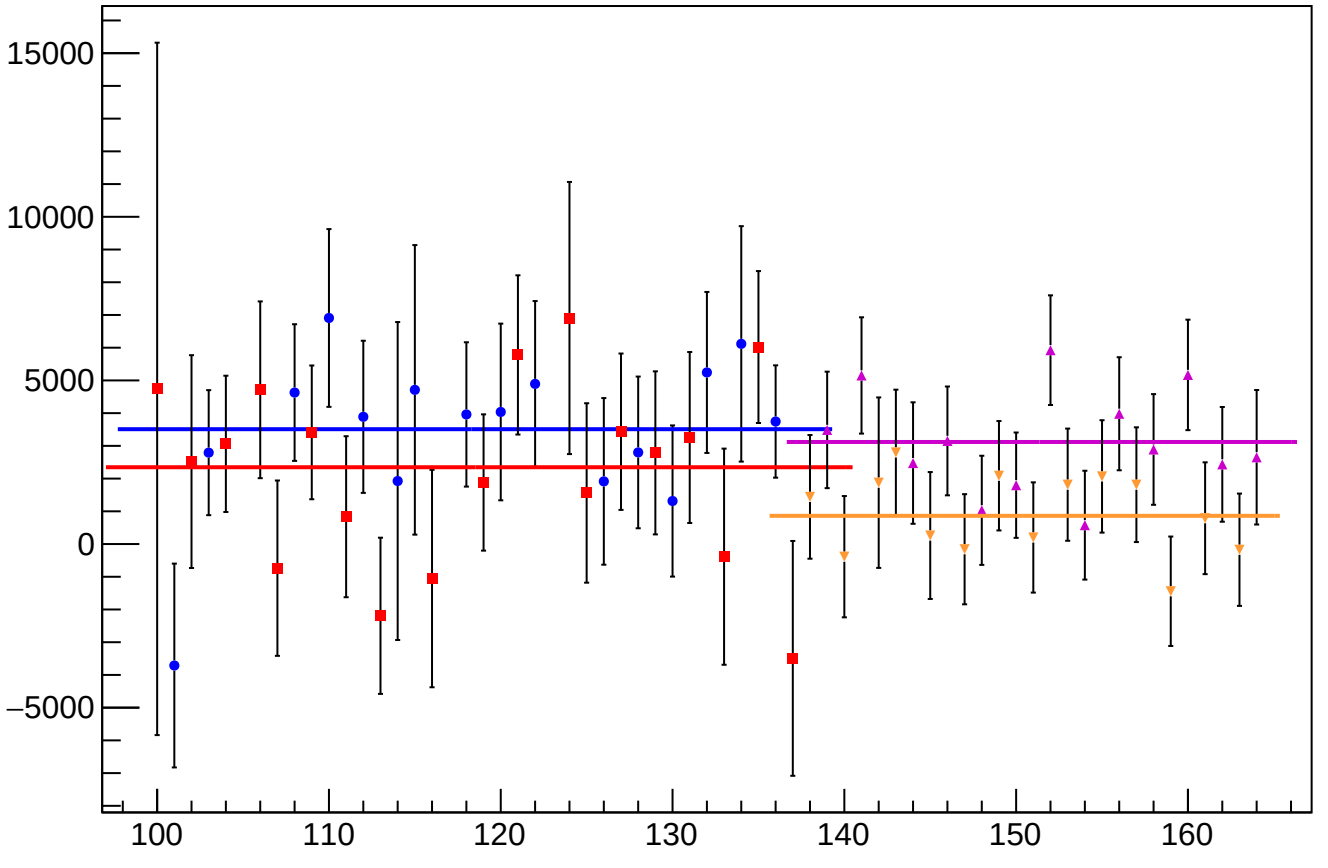
Left: 4846.382+/-0.741 χ^2/NDF: 1223431.9/26

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4860.697+/-0.825 χ^2/NDF:1441983.7/28

Out: 4727.617+/-0.797 χ^2/NDF:1567295.5/32

All: 4791.837+/-0.573 χ^2/NDF: 3022749.0/61



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 861.901+/-478.661 χ^2/NDF:6.2/13

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3118.860+/-479.693 χ^2/NDF:10.8/12

Left: 1987.949+/-338.829 χ^2/NDF: 28.1/26

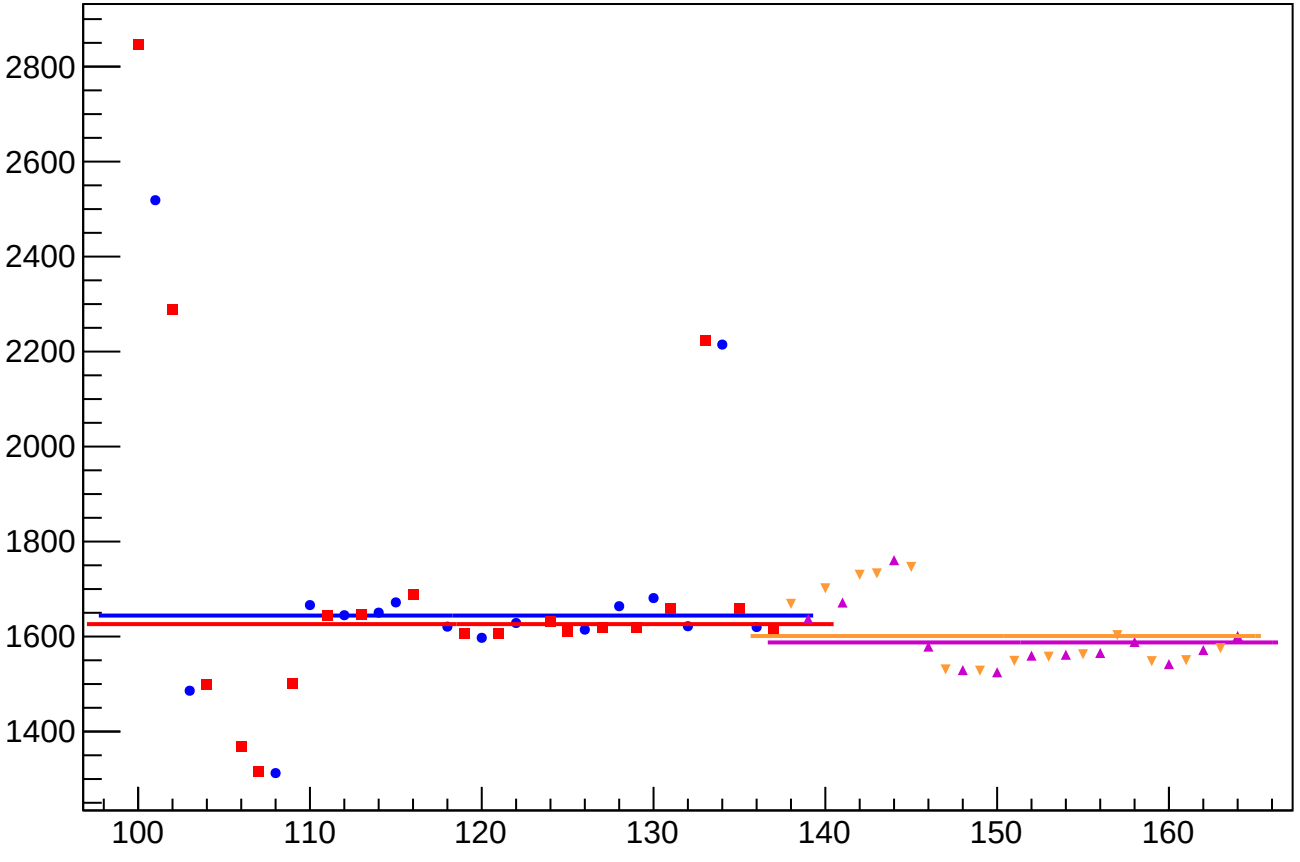
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3266.111+/-378.641 χ^2/NDF:21.4/28

Out: 1430.678+/-375.977 χ^2/NDF:27.0/32

All: 2341.914+/-266.793 χ^2/NDF: 60.3/61

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1601.104+/-0.338 χ^2/NDF:49795.6/13

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1587.599+/-0.339 χ^2/NDF:32083.5/12

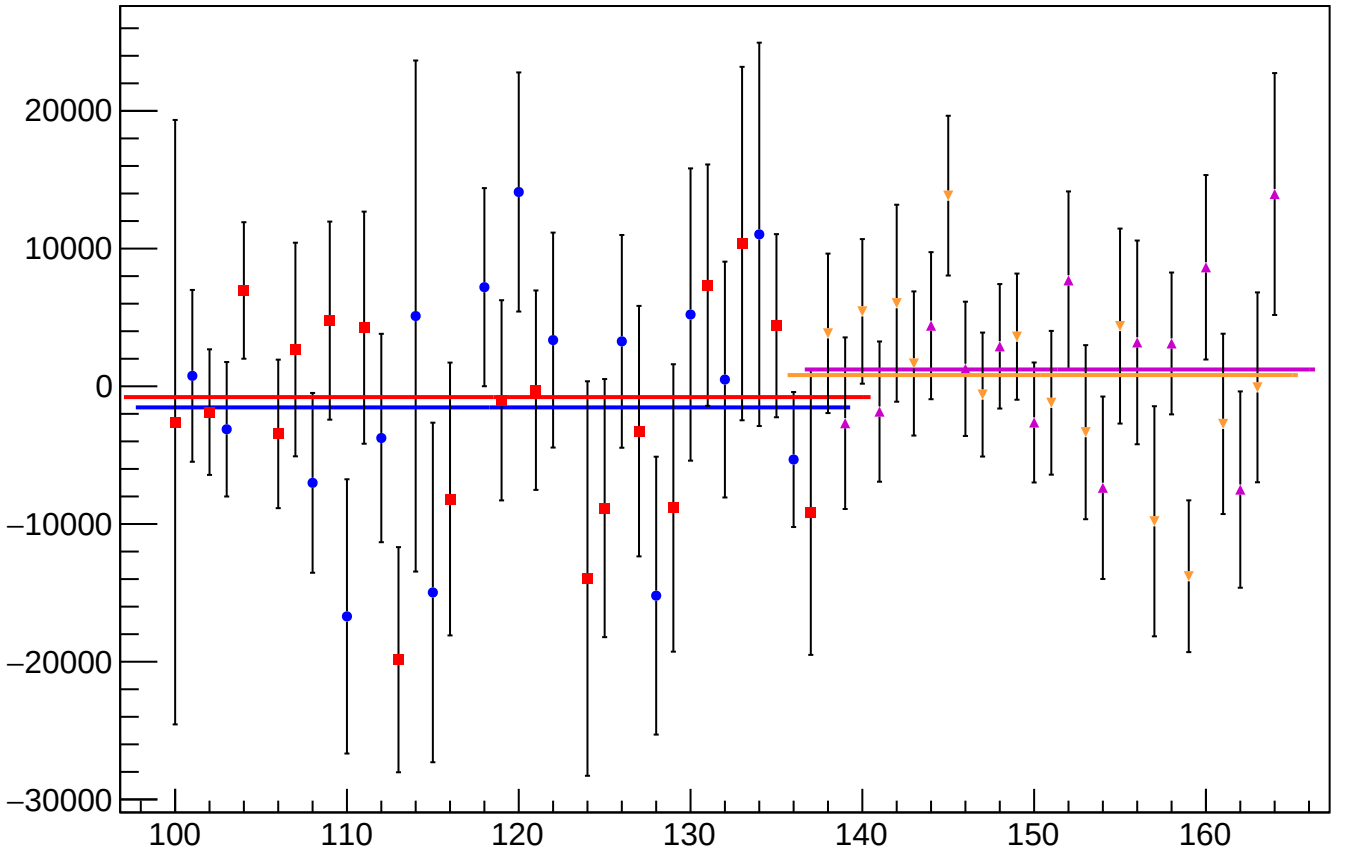
Left: 1594.366+/-0.240 χ^2/NDF: 82673.4/26

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1608.934+/-0.268 χ^2/NDF:317396.7/28

Out: 1610.717+/-0.266 χ^2/NDF:289538.5/32

All: 1609.832+/-0.189 χ^2/NDF: 606957.5/61



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 815.341+/-1538.968 χ^2/NDF:16.9/13

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 1221.646+/-1579.598 χ^2/NDF:9.7/12

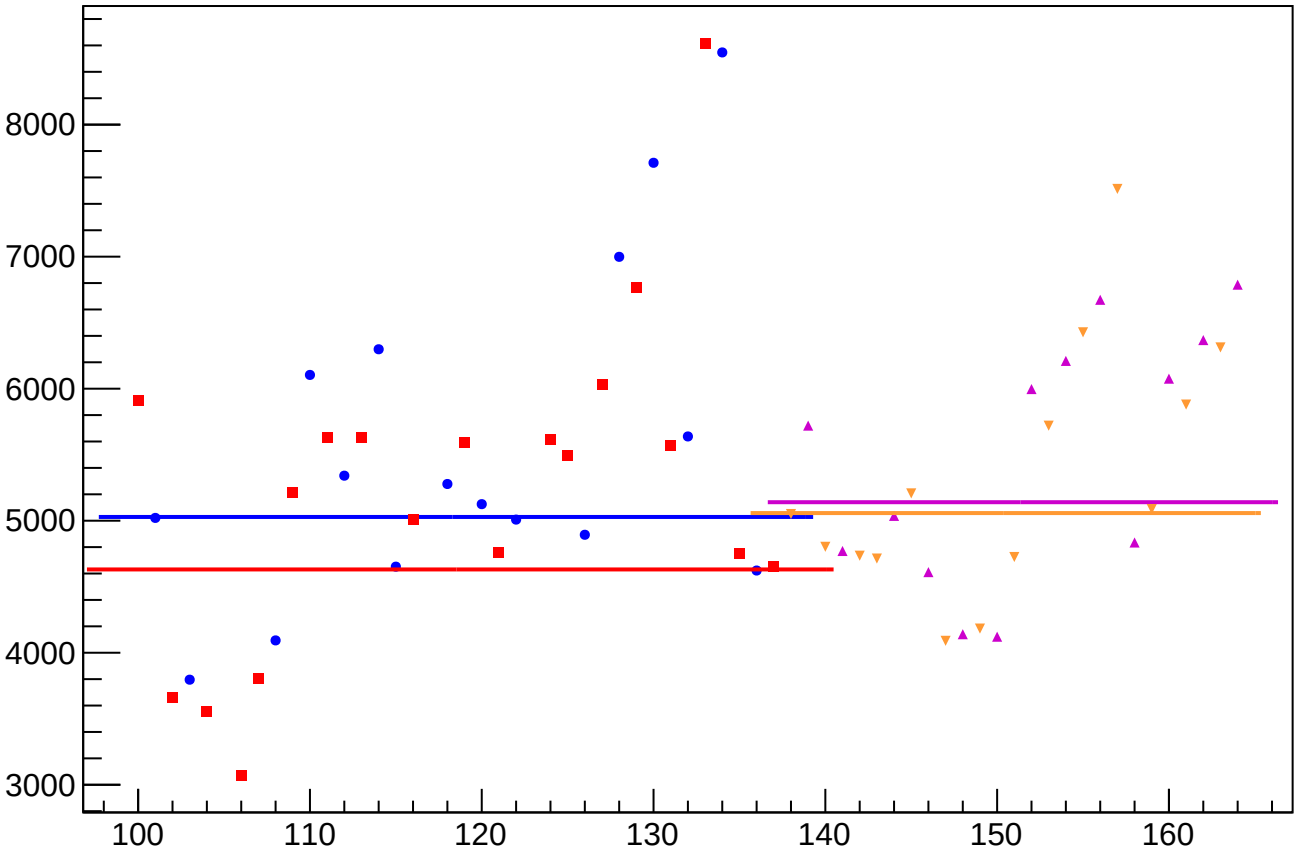
Left: 1013.201+/-1102.299 χ^2/NDF: 26.7/26

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: 105.821+/-1218.237 χ^2/NDF:24.9/28

Out: 117.122+/-1155.249 χ^2/NDF:32.4/32

All: 111.771+/-838.268 χ^2/NDF: 57.3/61



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5057.907+/-1.088 χ^2/NDF:559603.1/13

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5140.196+/-1.117 χ^2/NDF:608638.2/12

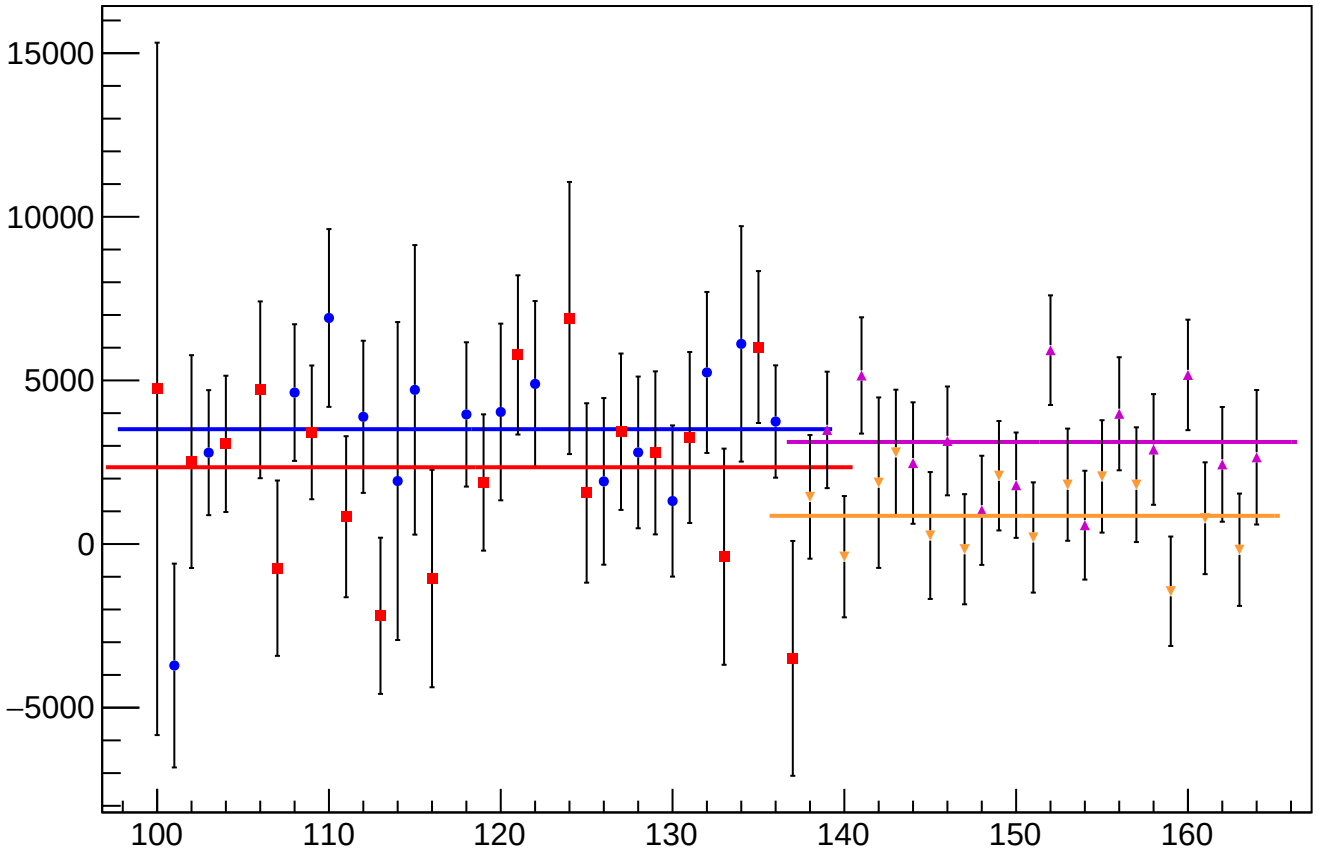
Left: 5097.979+/-0.779 χ^2/NDF: 1171025.9/26

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5094.916+/-0.861 χ^2/NDF:1178163.4/28

Out: 4871.517+/-0.817 χ^2/NDF:1490326.6/32

All: 4977.292+/-0.593 χ^2/NDF: 2703901.3/61



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 861.889+/-478.661 χ^2/NDF:6.2/13

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3118.864+/-479.694 χ^2/NDF:10.8/12

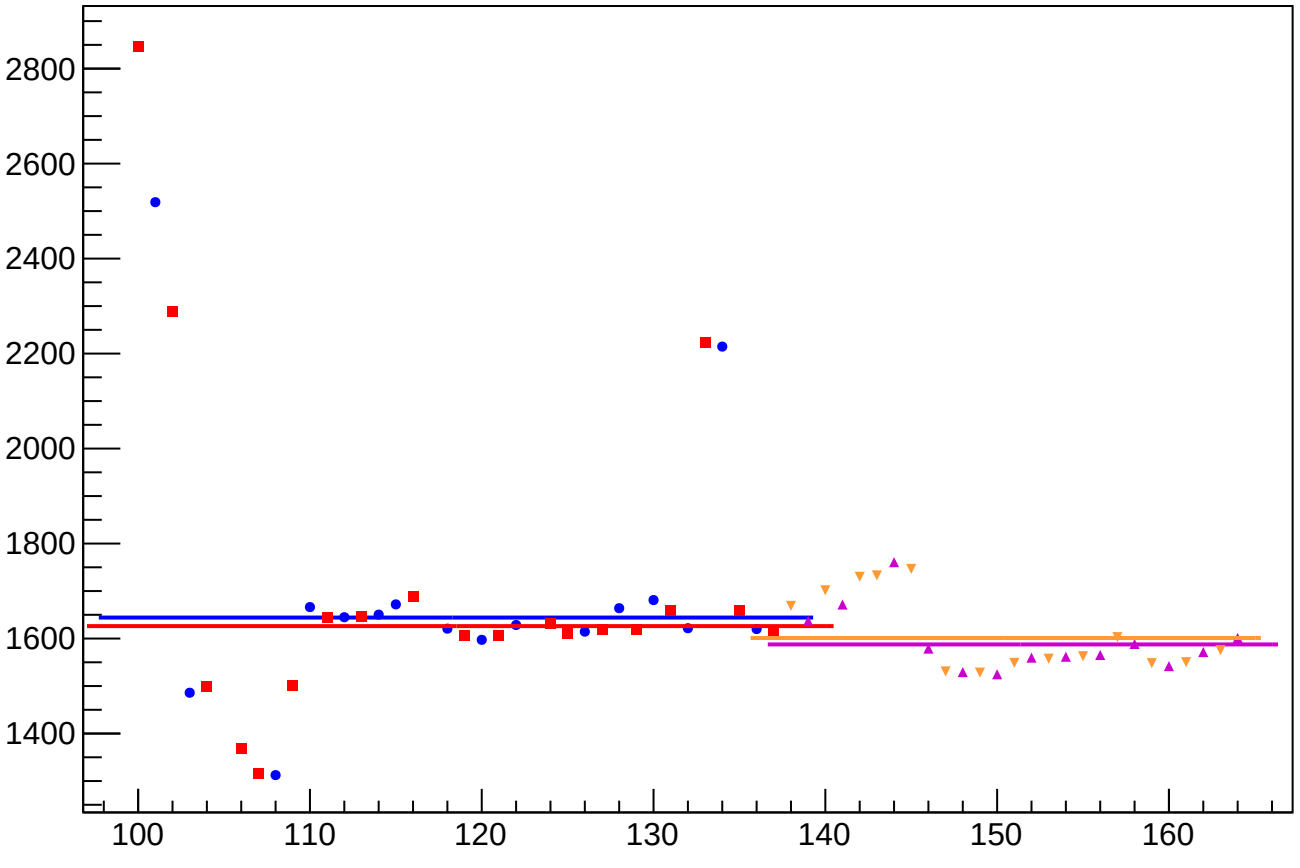
Left: 1987.944+/-338.829 χ^2/NDF: 28.1/26

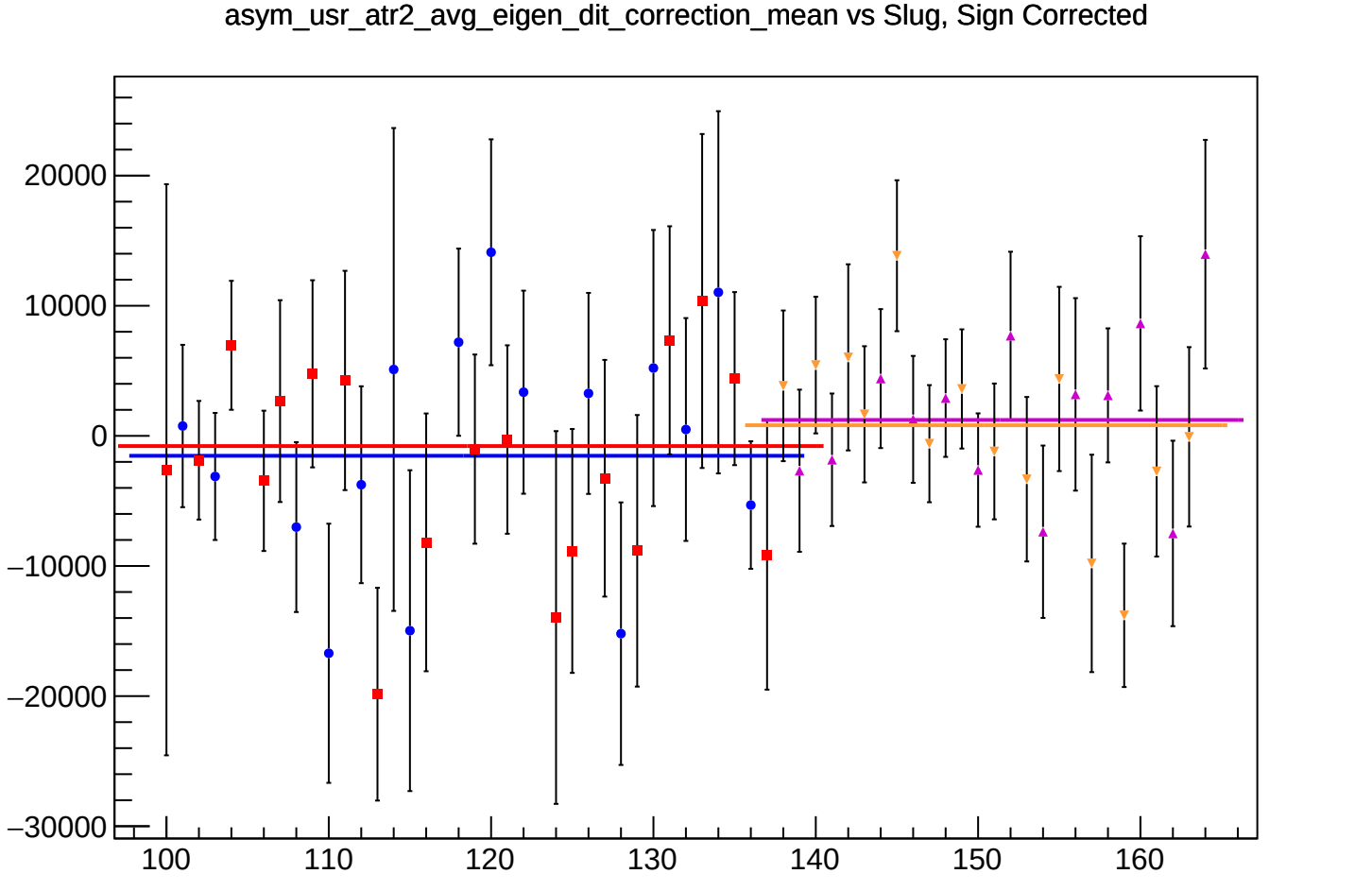
Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3266.115+/-378.642 χ^2/NDF:21.4/28

Out: 1430.673+/-375.977 χ^2/NDF:27.0/32

All: 2341.914+/-266.793 χ^2/NDF: 60.3/61


eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
Right In: 1644.198+/-0.436 χ²/NDF: 274818.1/15
Left Out: 1601.106+/-0.338 χ²/NDF:49795.5/13
Right Out: 1626.174+/-0.429 χ²/NDF: 237638.8/18
Left In: 1587.601+/-0.339 χ²/NDF:32083.4/12
Left: 1594.368+/-0.240 χ²/NDF: 82673.2/26
Right: 1635.042+/-0.306 χ²/NDF: 513324.5/34
In: 1608.934+/-0.268 χ²/NDF:317396.0/28
Out: 1610.718+/-0.266 χ²/NDF:289537.7/32
All: 1609.833+/-0.189 χ²/NDF: 606956.1/61



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 815.336+/-1538.971 χ^2/NDF:16.9/13

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 1221.645+/-1579.601 χ^2/NDF:9.7/12

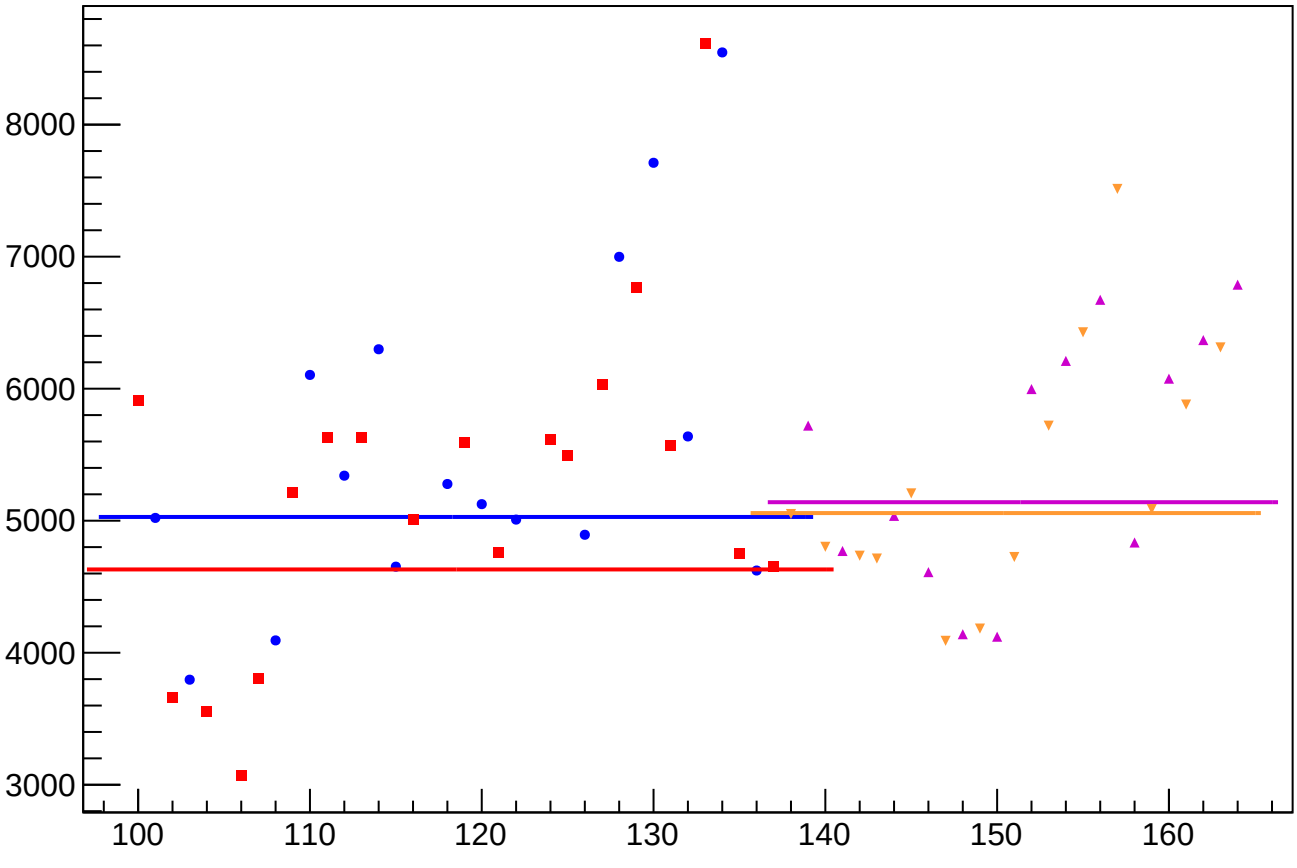
Left: 1013.198+/-1102.301 χ^2/NDF: 26.7/26

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: 105.822+/-1218.237 χ^2/NDF:24.9/28

Out: 117.116+/-1155.249 χ^2/NDF:32.4/32

All: 111.768+/-838.268 χ^2/NDF: 57.3/61



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5057.915+/-1.088 χ^2/NDF:559603.9/13

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5140.204+/-1.117 χ^2/NDF:608639.0/12

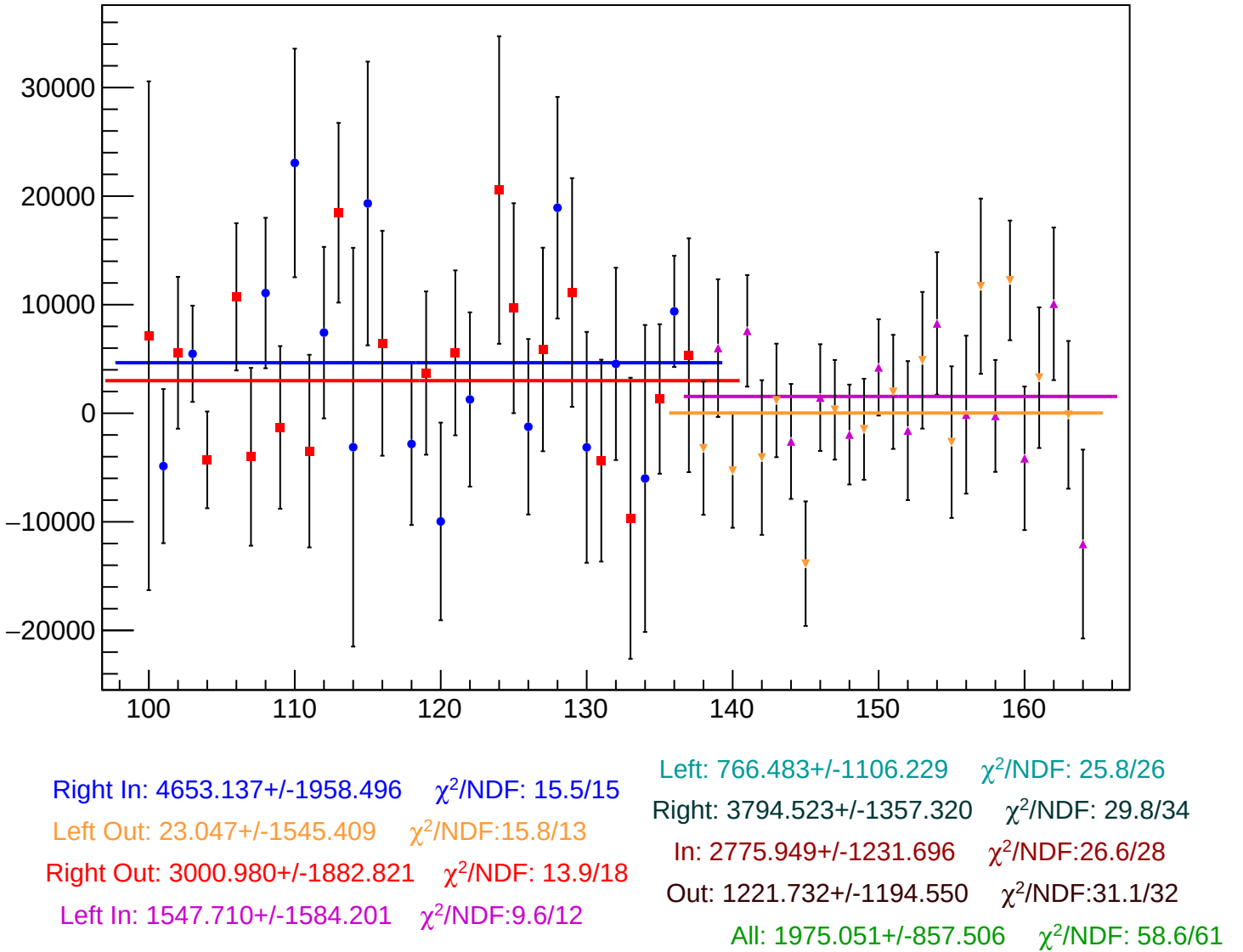
Left: 5097.988+/-0.779 χ^2/NDF: 1171027.4/26

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

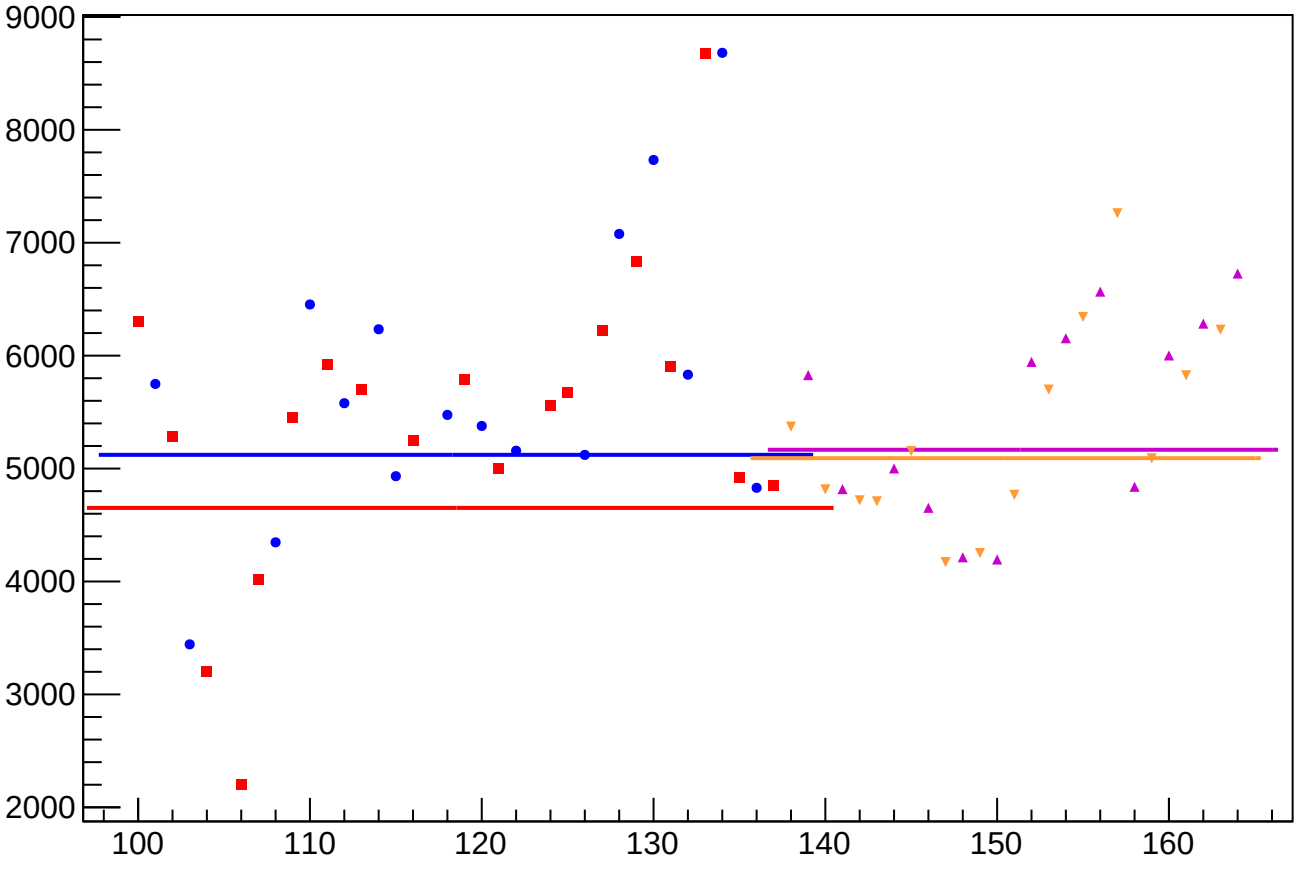
In: 5094.918+/-0.861 χ^2/NDF:1178158.9/28

Out: 4871.519+/-0.817 χ^2/NDF:1490326.1/32

All: 4977.294+/-0.593 χ^2/NDF: 2703896.6/61


asym_usr_atr2_avg_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 4653.137+/-1958.496 χ²/NDF: 15.5/15
Left Out: 23.047+/-1545.409 χ²/NDF:15.8/13
Right Out: 3000.980+/-1882.821 χ²/NDF: 13.9/18
Left In: 1547.710+/-1584.201 χ²/NDF:9.6/12
Left: 766.483+/-1106.229 χ²/NDF: 25.8/26
Right: 3794.523+/-1357.320 χ²/NDF: 29.8/34
In: 2775.949+/-1231.696 χ²/NDF:26.6/28
Out: 1221.732+/-1194.550 χ²/NDF:31.1/32
All: 1975.051+/-857.506 χ²/NDF: 58.6/61

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5092.041+/-1.093 χ^2/NDF:488257.4/13

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5166.567+/-1.120 χ^2/NDF:540484.3/12

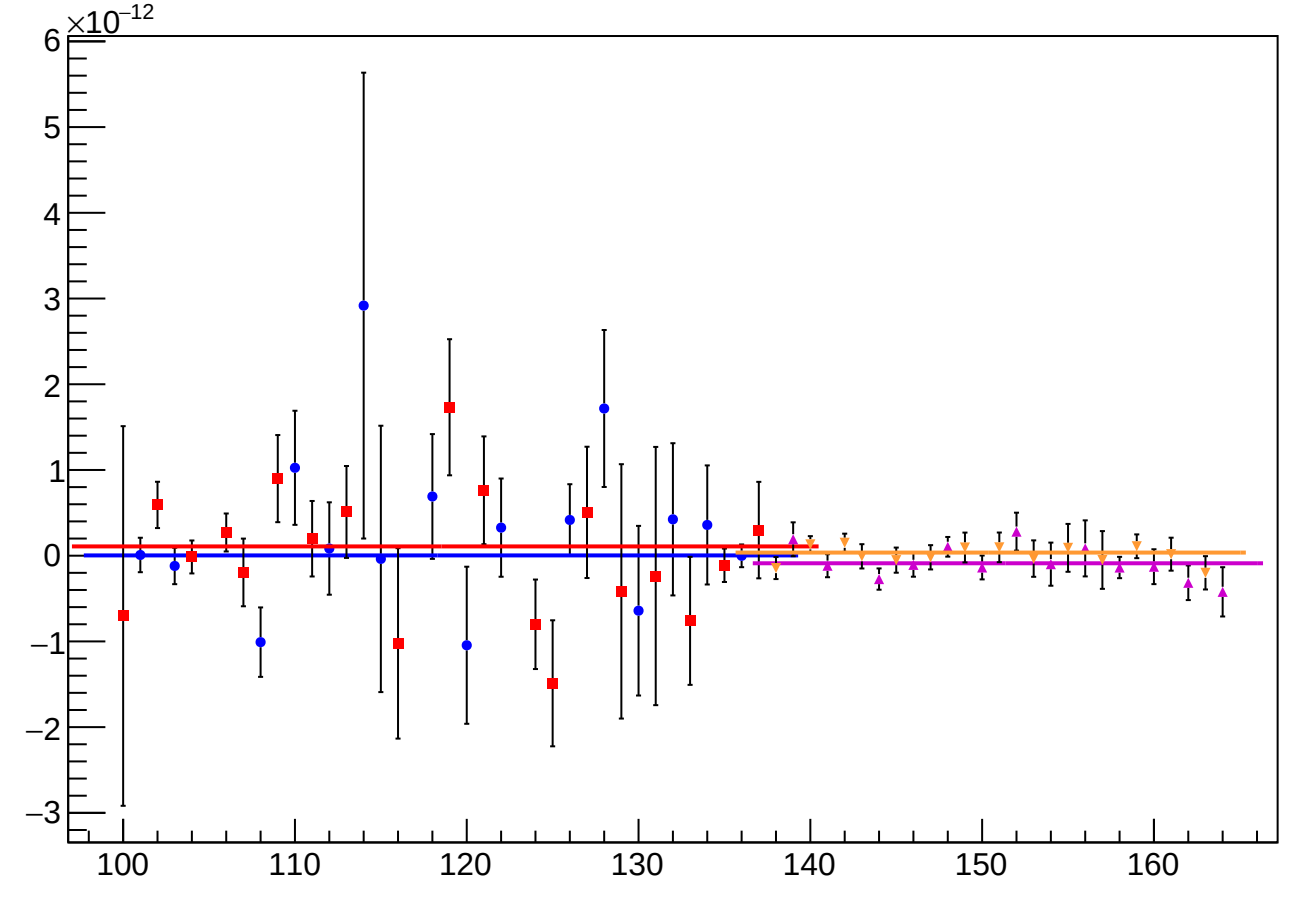
Left: 5128.380+/-0.782 χ^2/NDF: 1031009.6/26

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5148.799+/-0.871 χ^2/NDF:1261490.5/28

Out: 4906.472+/-0.831 χ^2/NDF:1901549.5/32

All: 5021.980+/-0.601 χ^2/NDF: 3203554.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/12

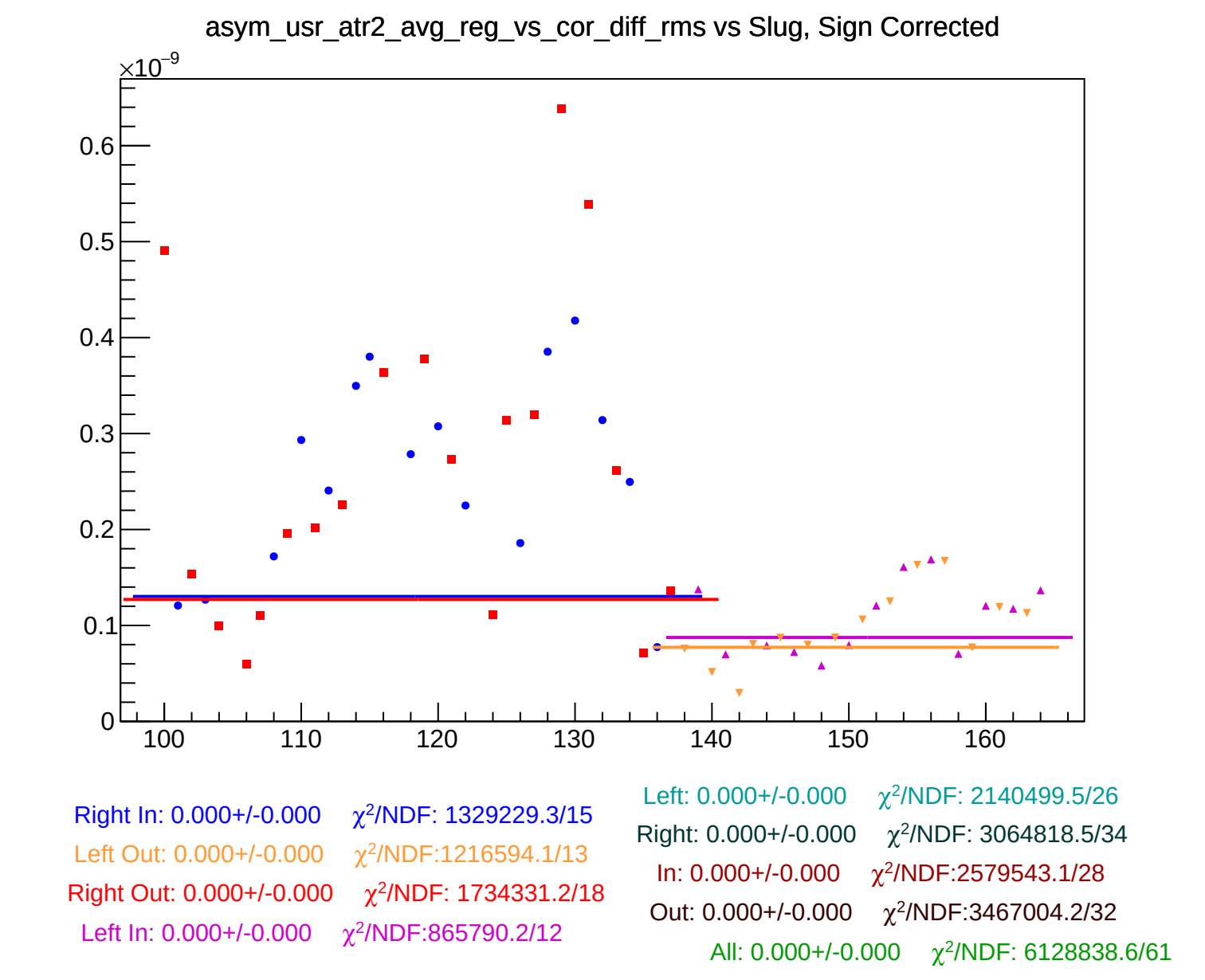
Left: -0.000+/-0.000 χ^2/NDF: 24.3/26

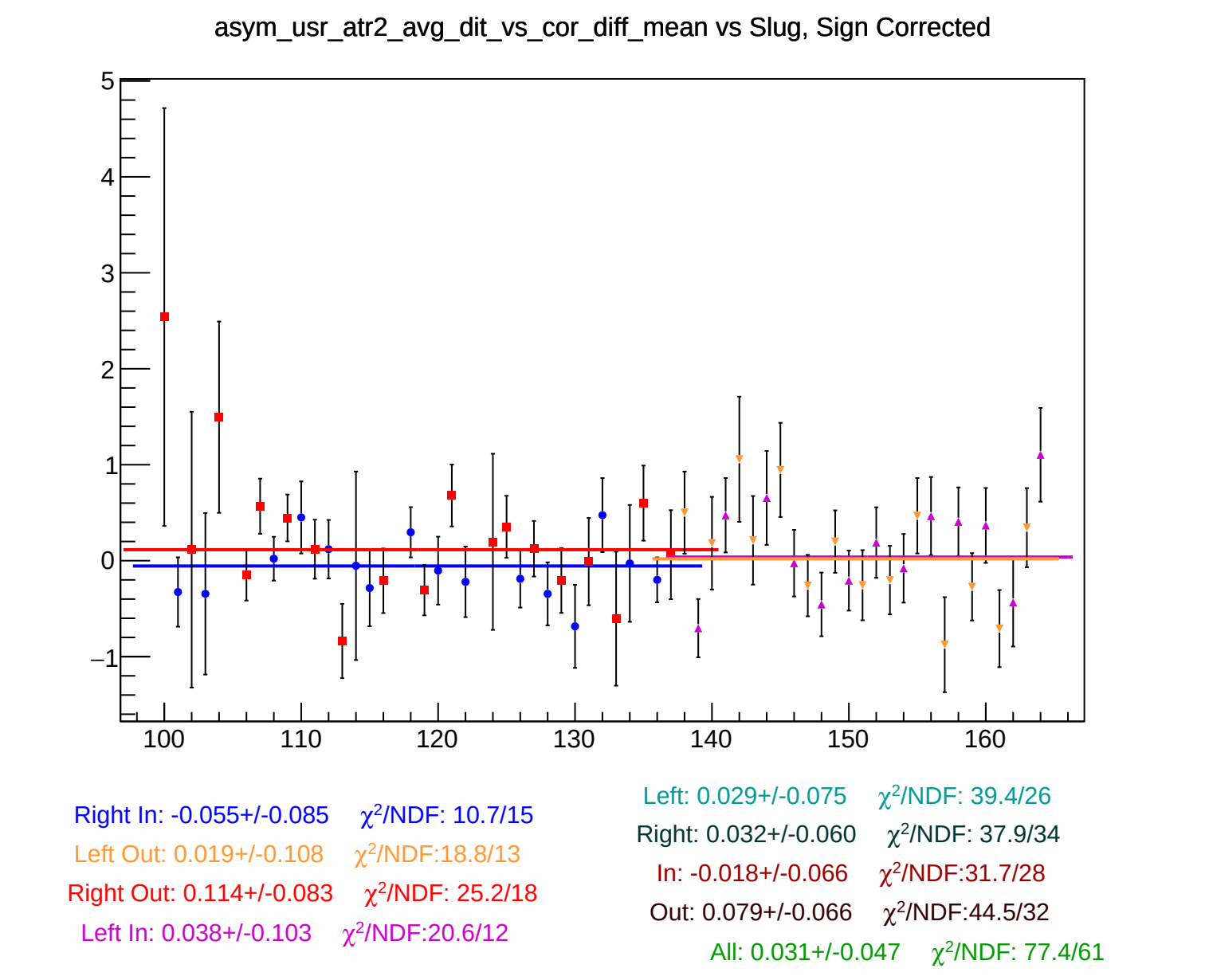
Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

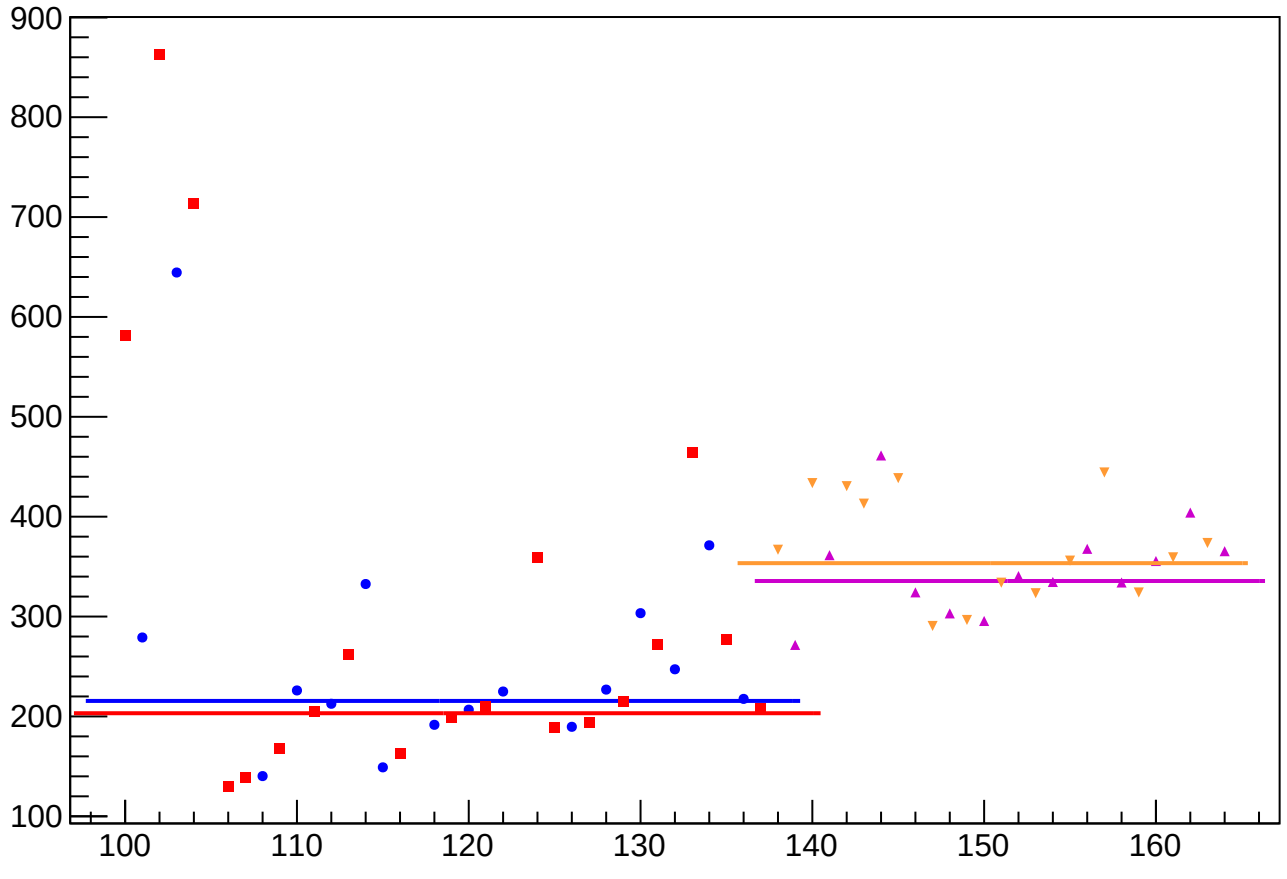
In: -0.000+/-0.000 χ^2/NDF:32.0/28

Out: 0.000+/-0.000 χ^2/NDF:32.7/32

All: -0.000+/-0.000 χ^2/NDF: 69.4/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1216594.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:865790.2/12
Left: 0.000+/-0.000 χ²/NDF: 2140499.5/26
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2579543.1/28
Out: 0.000+/-0.000 χ²/NDF:3467004.2/32
All: 0.000+/-0.000 χ²/NDF: 6128838.6/61


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
160
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.019+/-0.108 χ²/NDF:18.8/13
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: 0.038+/-0.103 χ²/NDF:20.6/12
Left: 0.029+/-0.075 χ²/NDF: 39.4/26
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.018+/-0.066 χ²/NDF:31.7/28
Out: 0.079+/-0.066 χ²/NDF:44.5/32
All: 0.031+/-0.047 χ²/NDF: 77.4/61



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 353.466+/-0.076 χ^2/NDF:423377.4/13

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.600+/-0.073 χ^2/NDF:353294.8/12

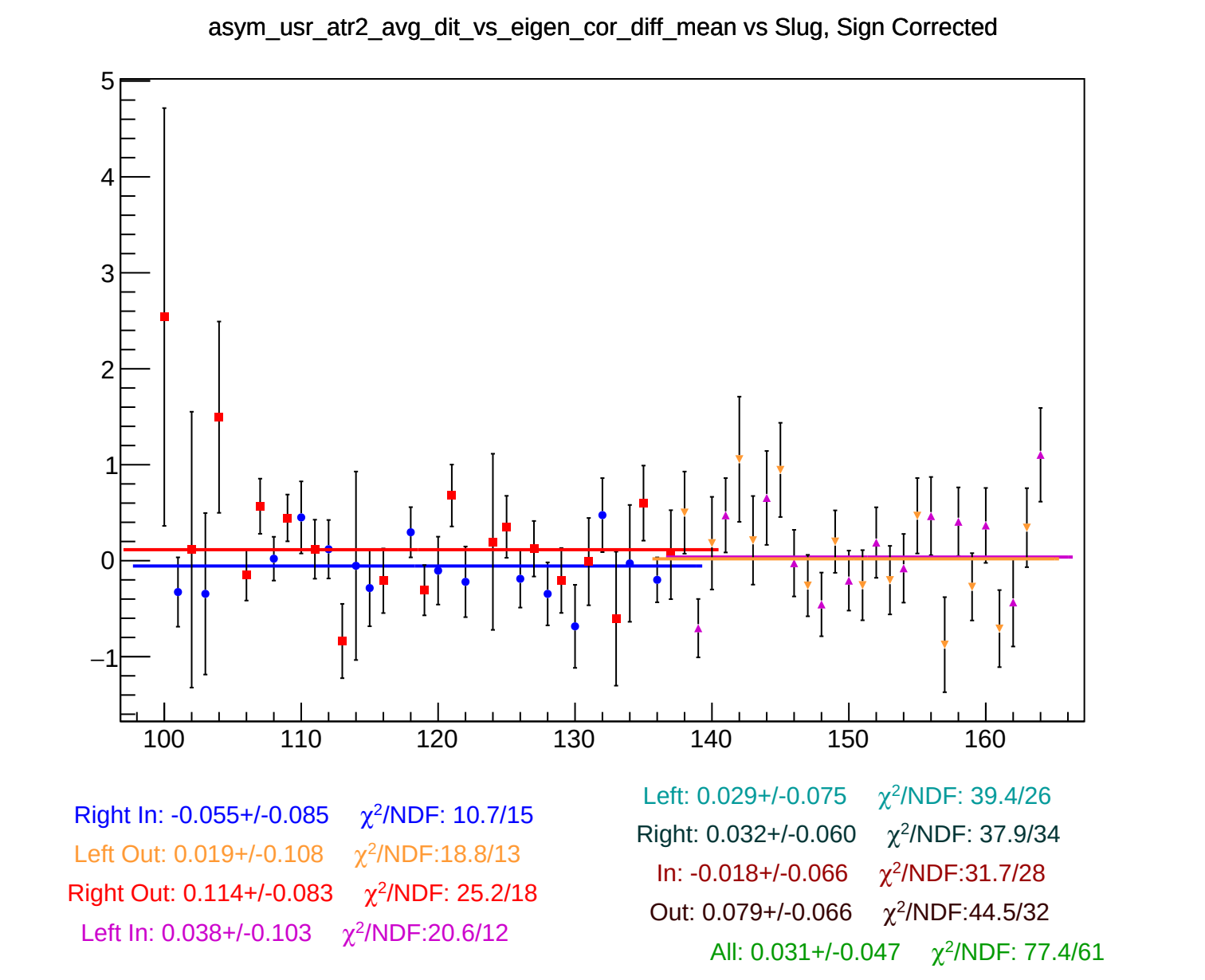
Left: 344.160+/-0.053 χ^2/NDF: 805360.5/26

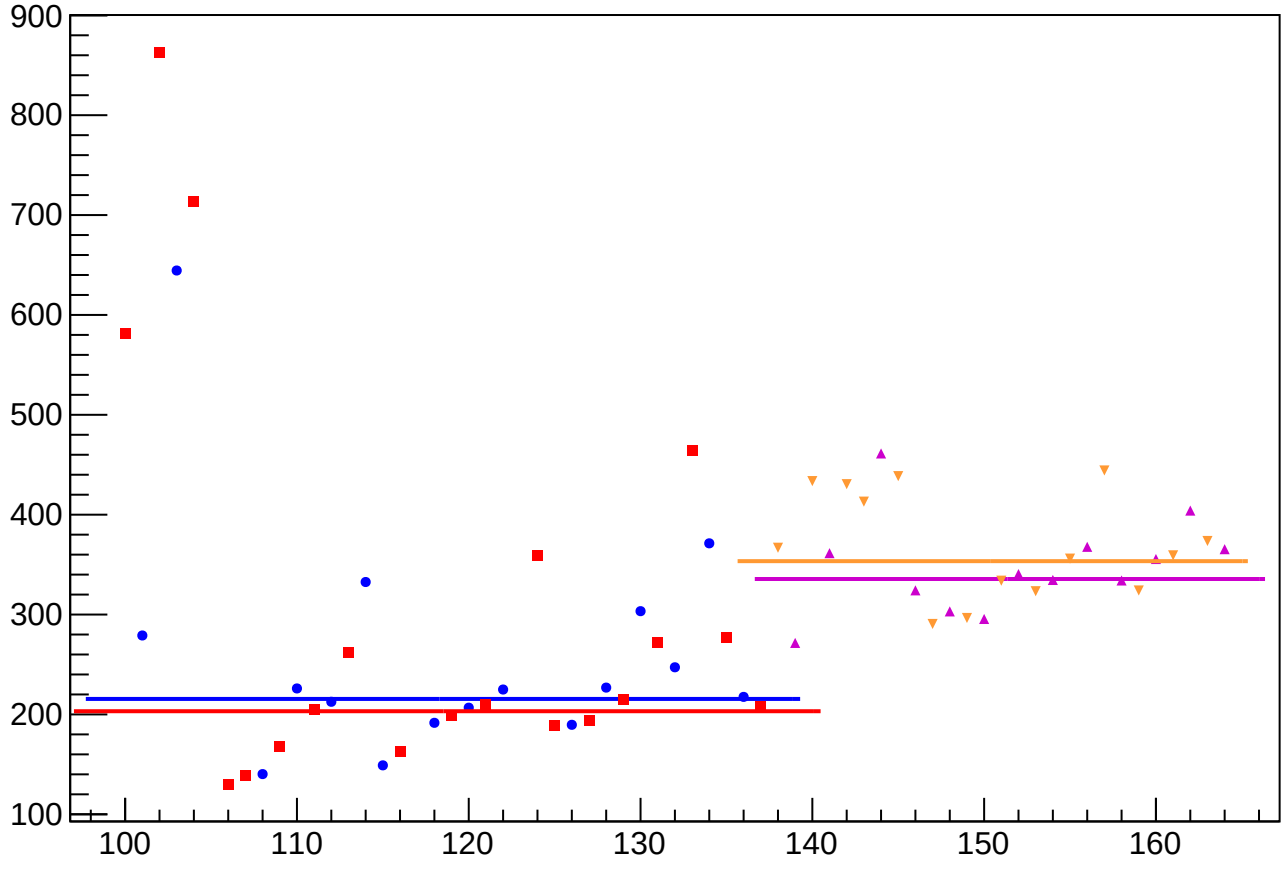
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 264.341+/-0.047 χ^2/NDF:3107080.9/28

Out: 259.404+/-0.047 χ^2/NDF:4697698.9/32

All: 261.872+/-0.033 χ^2/NDF: 7810400.6/61


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.019+/-0.108 χ²/NDF:18.8/13
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: 0.038+/-0.103 χ²/NDF:20.6/12
Left: 0.029+/-0.075 χ²/NDF: 39.4/26
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.018+/-0.066 χ²/NDF:31.7/28
Out: 0.079+/-0.066 χ²/NDF:44.5/32
All: 0.031+/-0.047 χ²/NDF: 77.4/61



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 353.466+/-0.076 χ^2/NDF:423377.4/13

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 335.600+/-0.073 χ^2/NDF:353294.8/12

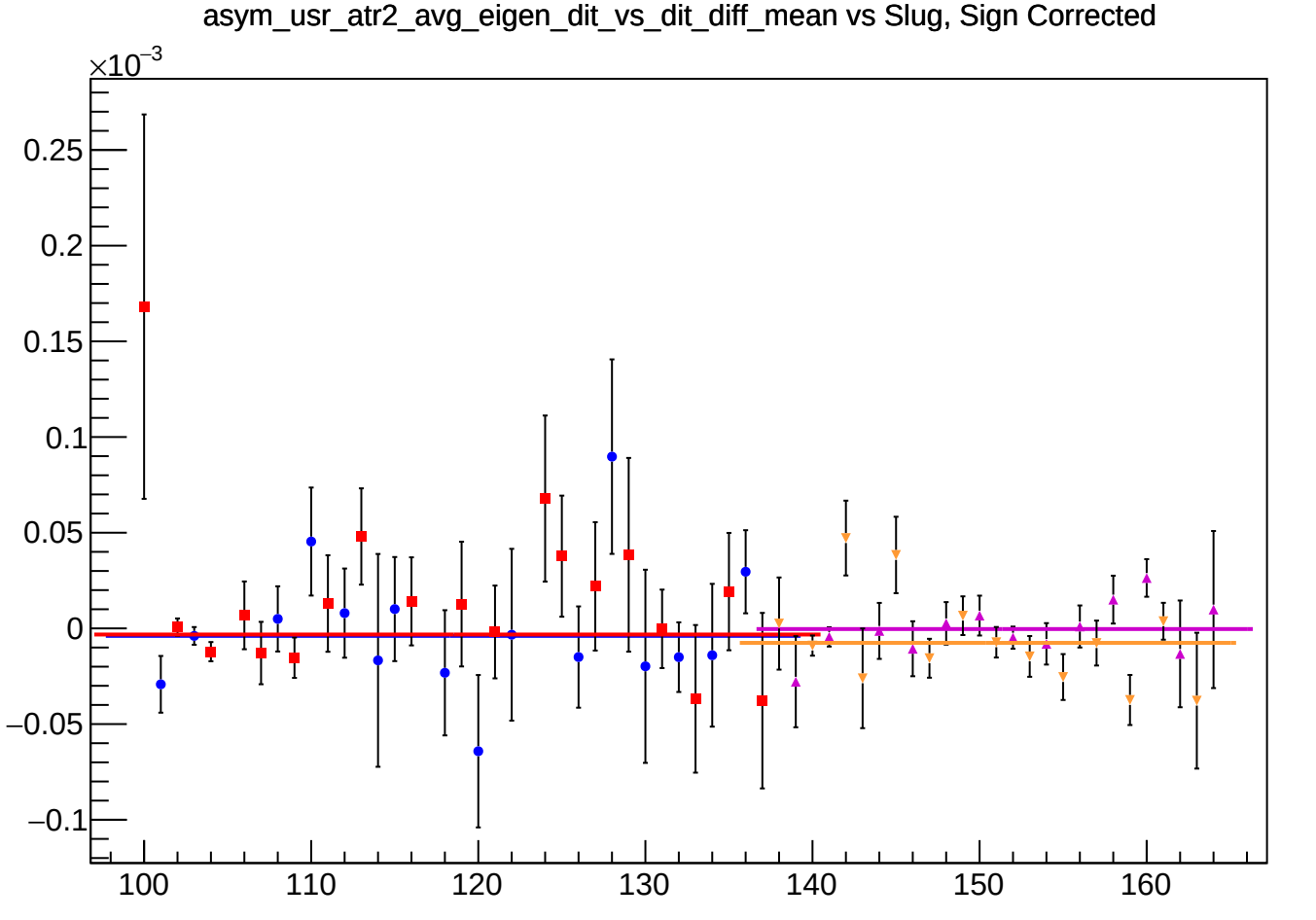
Left: 344.160+/-0.053 χ^2/NDF: 805360.5/26

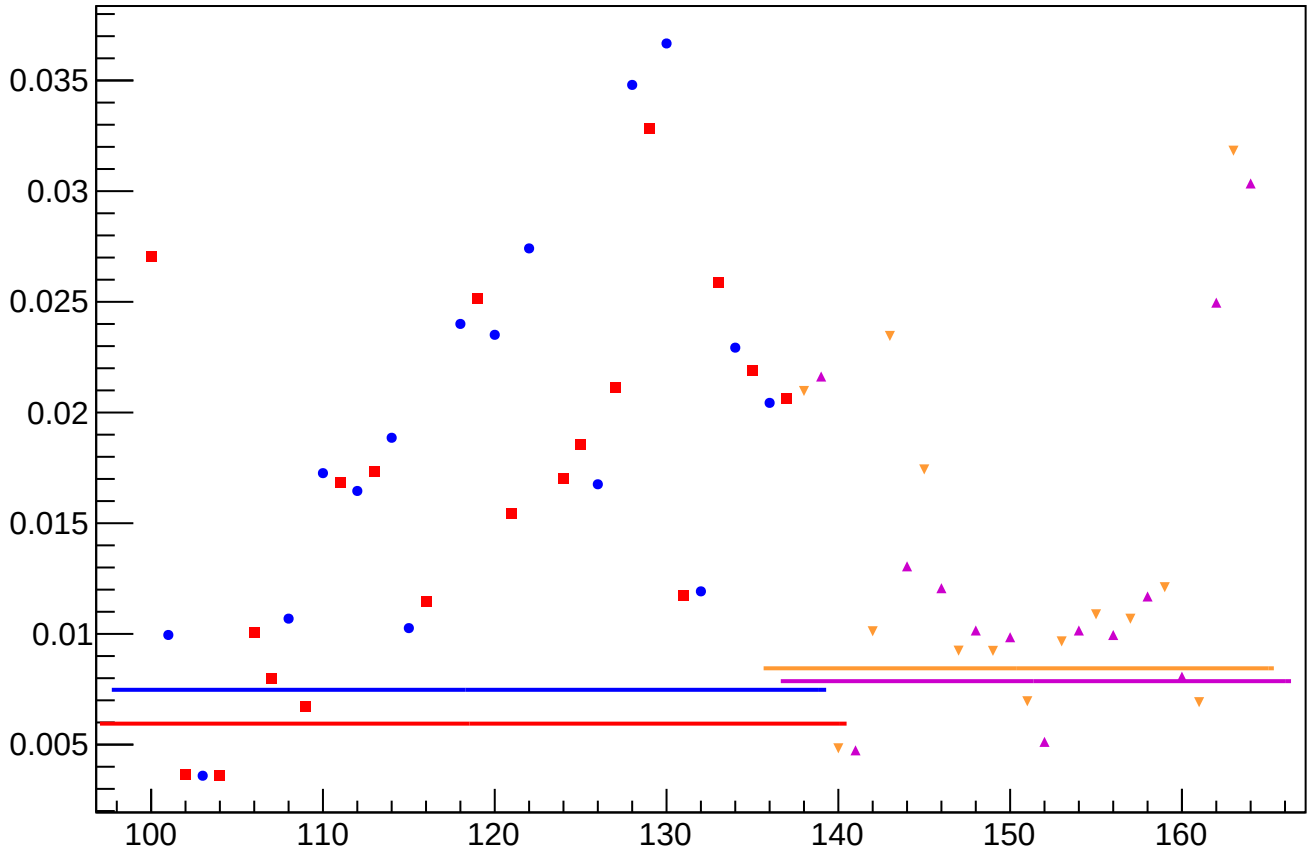
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 264.341+/-0.047 χ^2/NDF:3107080.9/28

Out: 259.404+/-0.047 χ^2/NDF:4697698.9/32

All: 261.872+/-0.033 χ^2/NDF: 7810400.6/61


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:26.5/13
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:13.4/12
Left: -0.000+/-0.000 χ²/NDF: 43.1/26
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:29.9/28
Out: -0.000+/-0.000 χ²/NDF:49.2/32
All: -0.000+/-0.000 χ²/NDF: 80.7/61



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:3916117.6/13

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:4164991.2/12

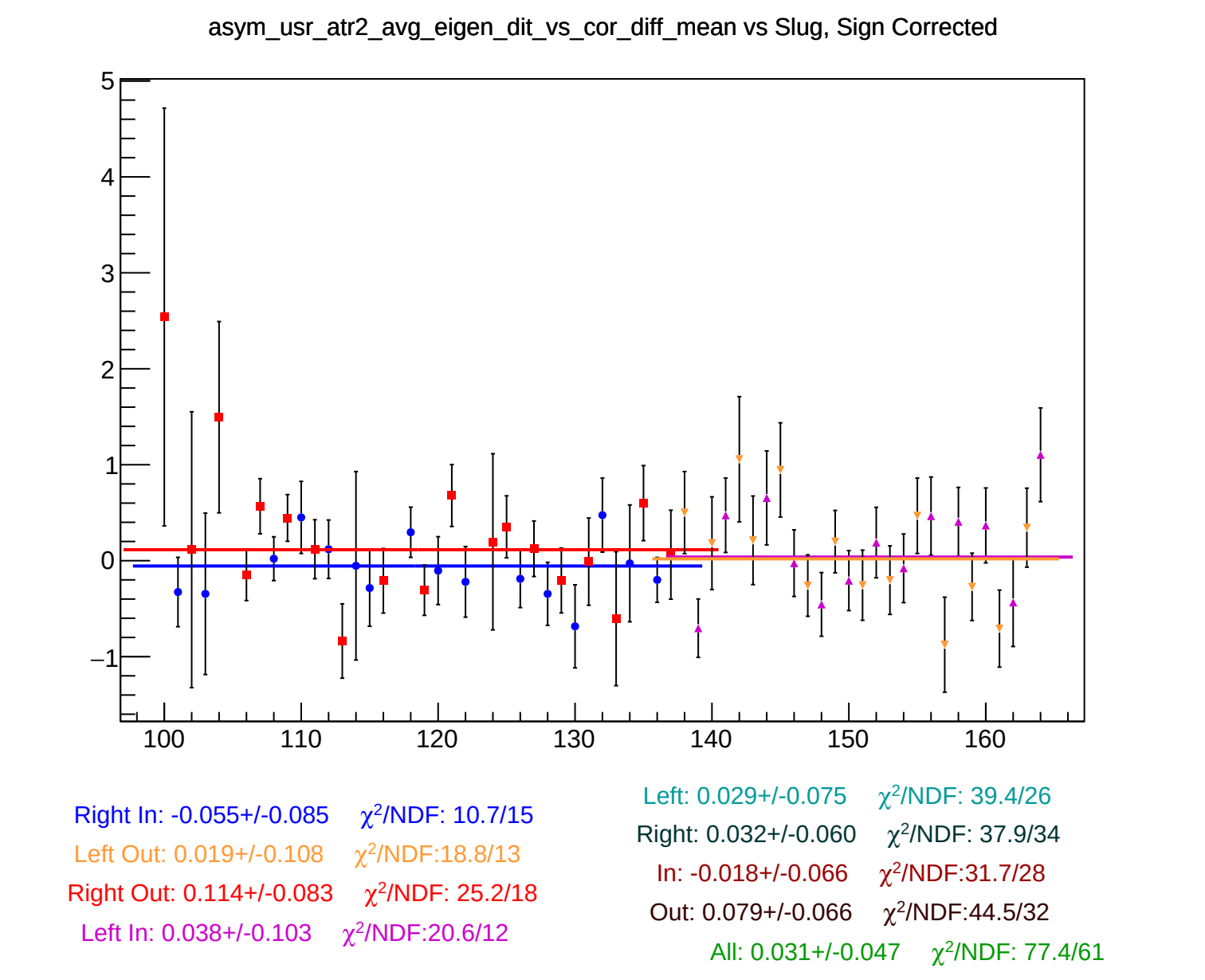
Left: 0.008+/-0.000 χ^2/NDF: 8123664.5/26

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:10255141.8/28

Out: 0.007+/-0.000 χ^2/NDF:10597127.3/32

All: 0.007+/-0.000 χ^2/NDF: 20914216.6/61


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
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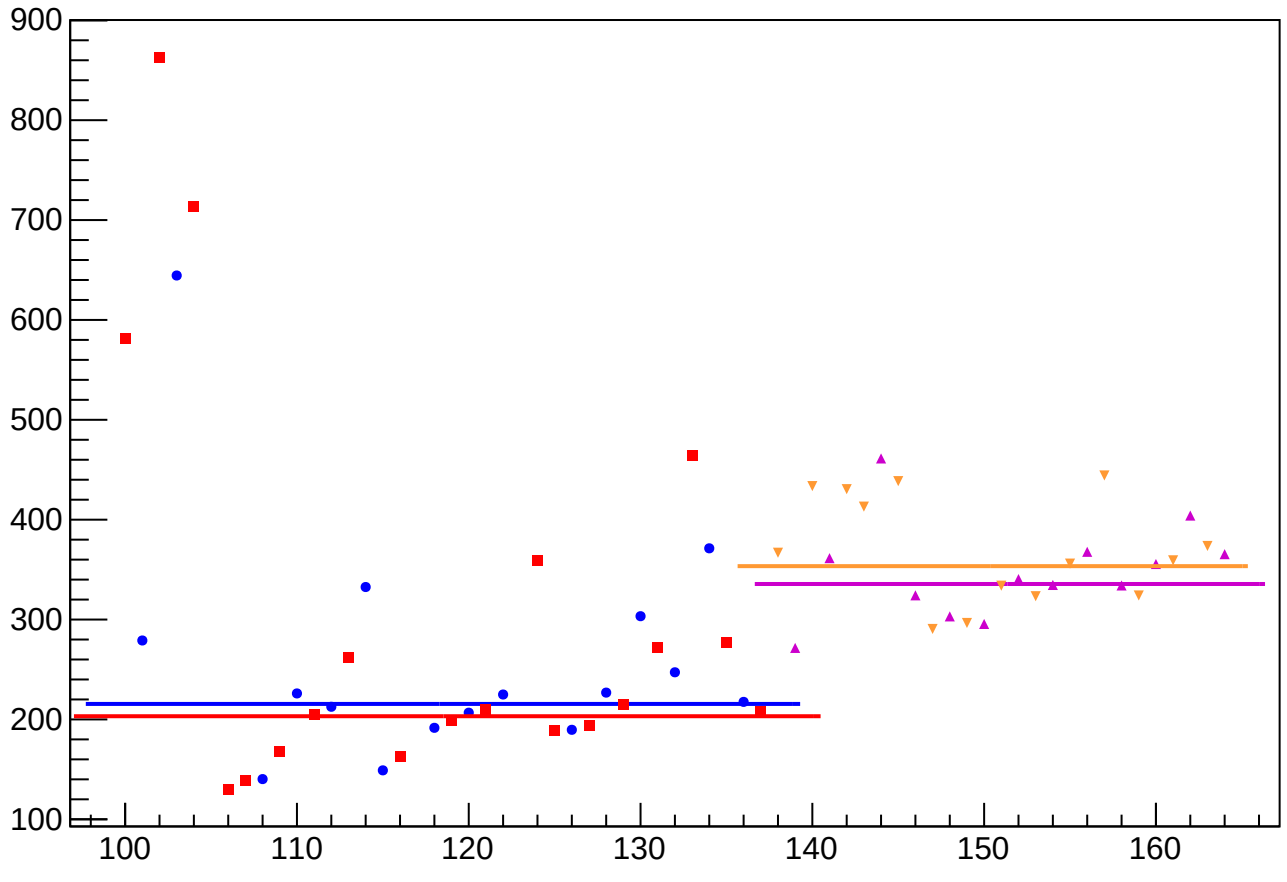
0
−1
100
110
120
130
140
150
160
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.019+/-0.108 χ²/NDF:18.8/13
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: 0.038+/-0.103 χ²/NDF:20.6/12
Left: 0.029+/-0.075 χ²/NDF: 39.4/26
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.018+/-0.066 χ²/NDF:31.7/28
Out: 0.079+/-0.066 χ²/NDF:44.5/32
All: 0.031+/-0.047 χ²/NDF: 77.4/61



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 353.472+/-0.076 χ^2/NDF:423372.0/13

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 335.605+/-0.073 χ^2/NDF:353294.2/12

Left: 344.166+/-0.053 χ^2/NDF: 805355.0/26

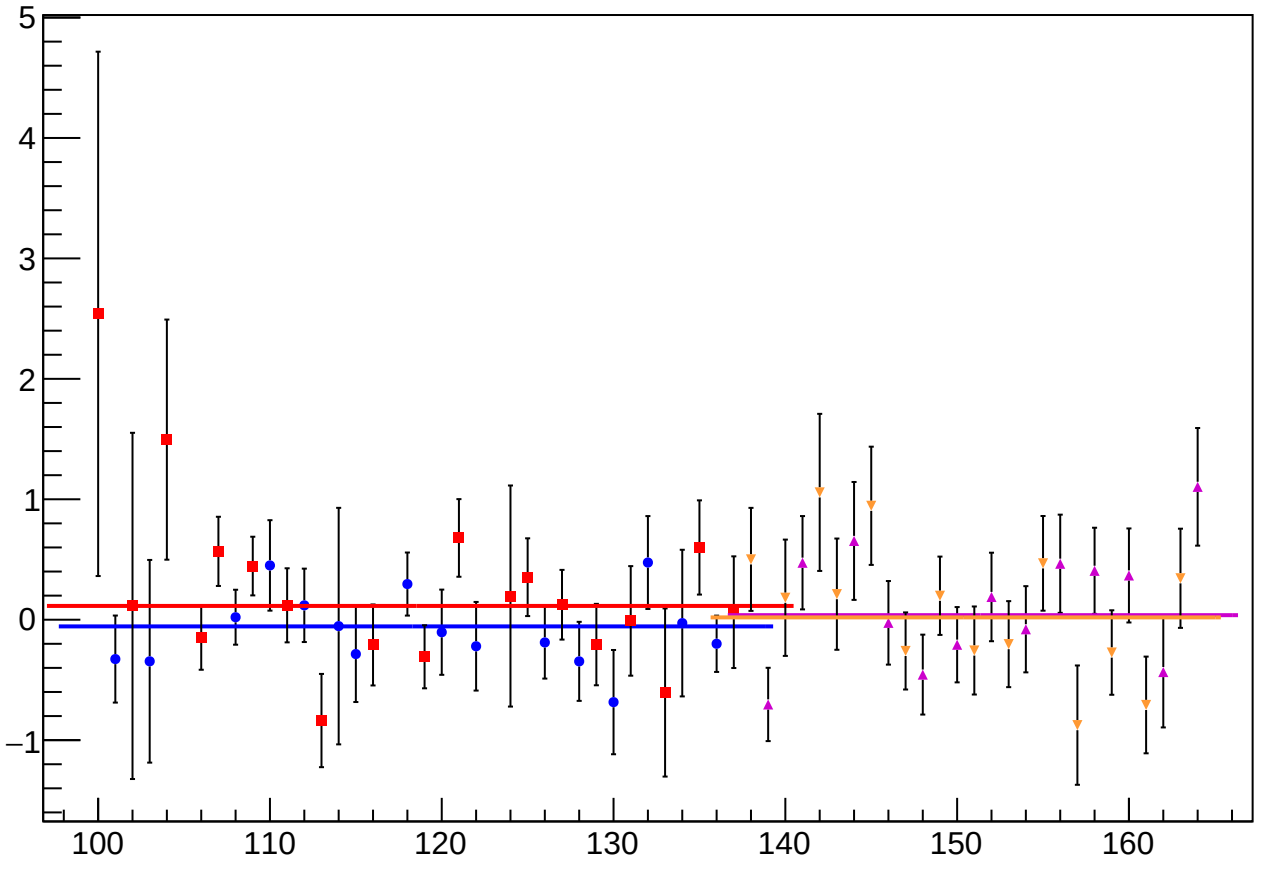
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 264.341+/-0.047 χ^2/NDF:3107212.4/28

Out: 259.404+/-0.047 χ^2/NDF:4697883.0/32

All: 261.872+/-0.033 χ^2/NDF: 7810717.6/61

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: 0.019+/-0.108 χ^2/NDF:18.8/13

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: 0.038+/-0.103 χ^2/NDF:20.6/12

Left: 0.029+/-0.075 χ^2/NDF: 39.4/26

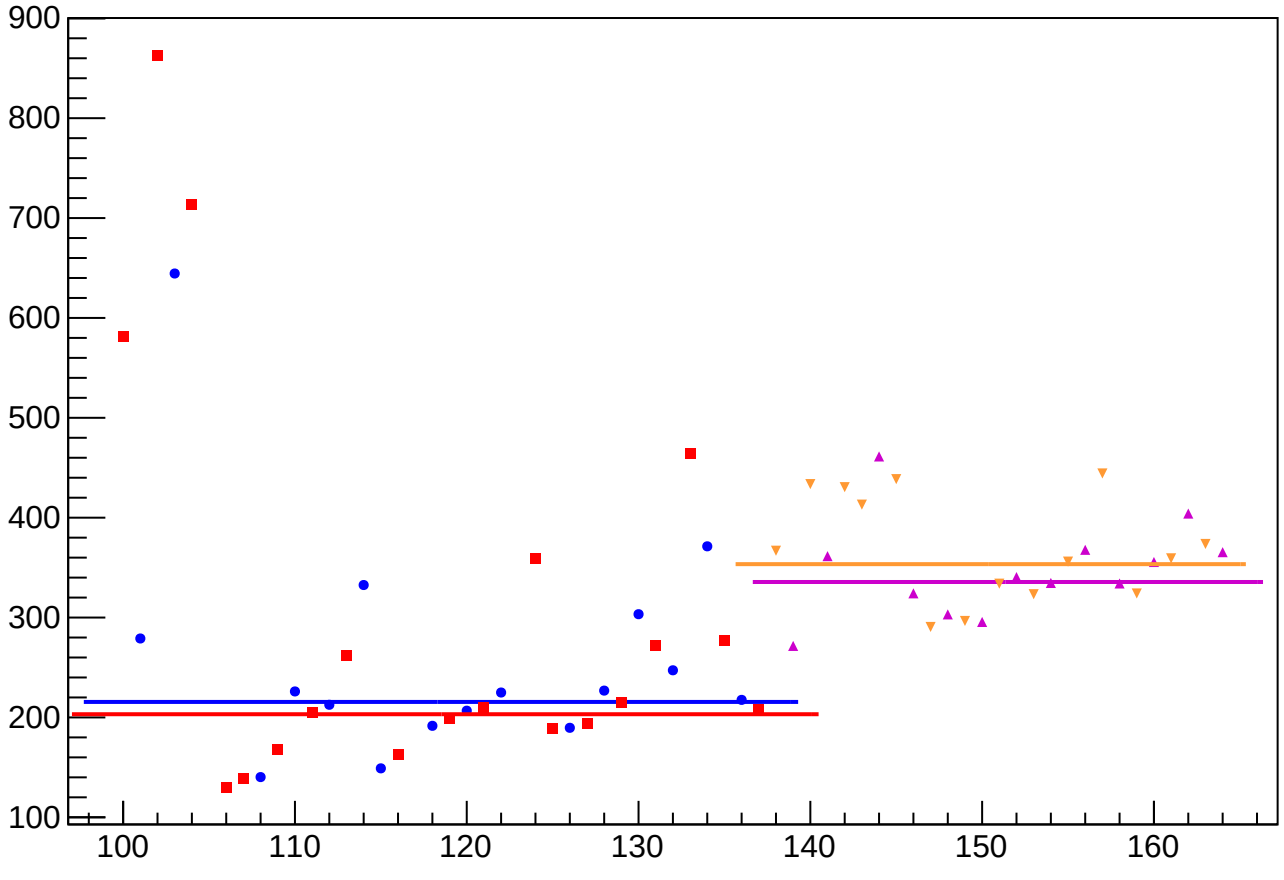
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.018+/-0.066 χ^2/NDF:31.7/28

Out: 0.079+/-0.066 χ^2/NDF:44.5/32

All: 0.031+/-0.047 χ^2/NDF: 77.4/61

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: 353.472+/-0.076 χ^2/NDF:423372.0/13

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 335.605+/-0.073 χ^2/NDF:353294.2/12

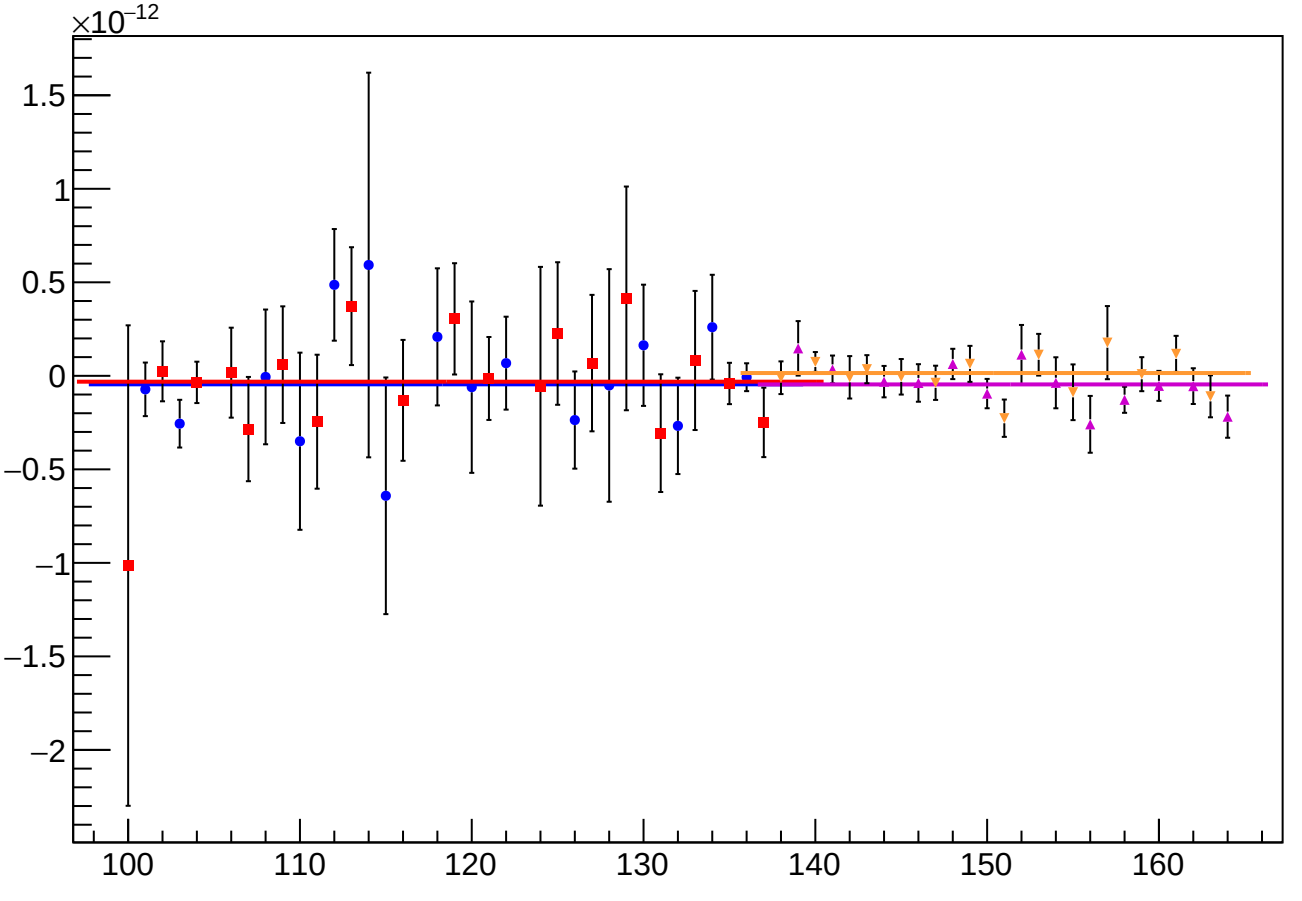
Left: 344.166+/-0.053 χ^2/NDF: 805355.0/26

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 264.341+/-0.047 χ^2/NDF:3107212.4/28

Out: 259.404+/-0.047 χ^2/NDF:4697883.0/32

All: 261.872+/-0.033 χ^2/NDF: 7810717.6/61



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/12

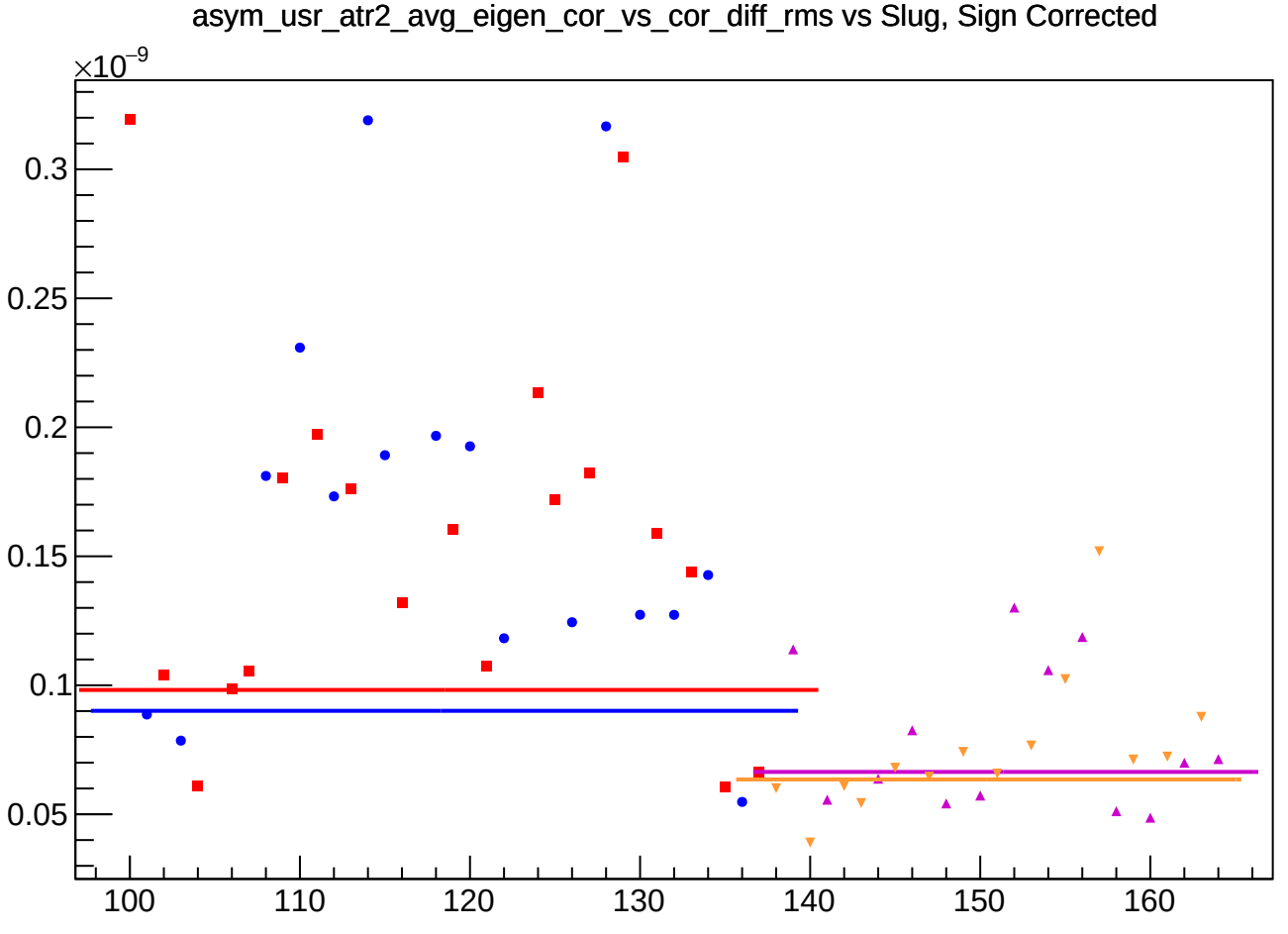
Left: -0.000+/-0.000 χ^2/NDF: 27.0/26

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:23.4/28

Out: 0.000+/-0.000 χ^2/NDF:21.2/32

All: -0.000+/-0.000 χ^2/NDF: 47.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1187415.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1308480.0/12

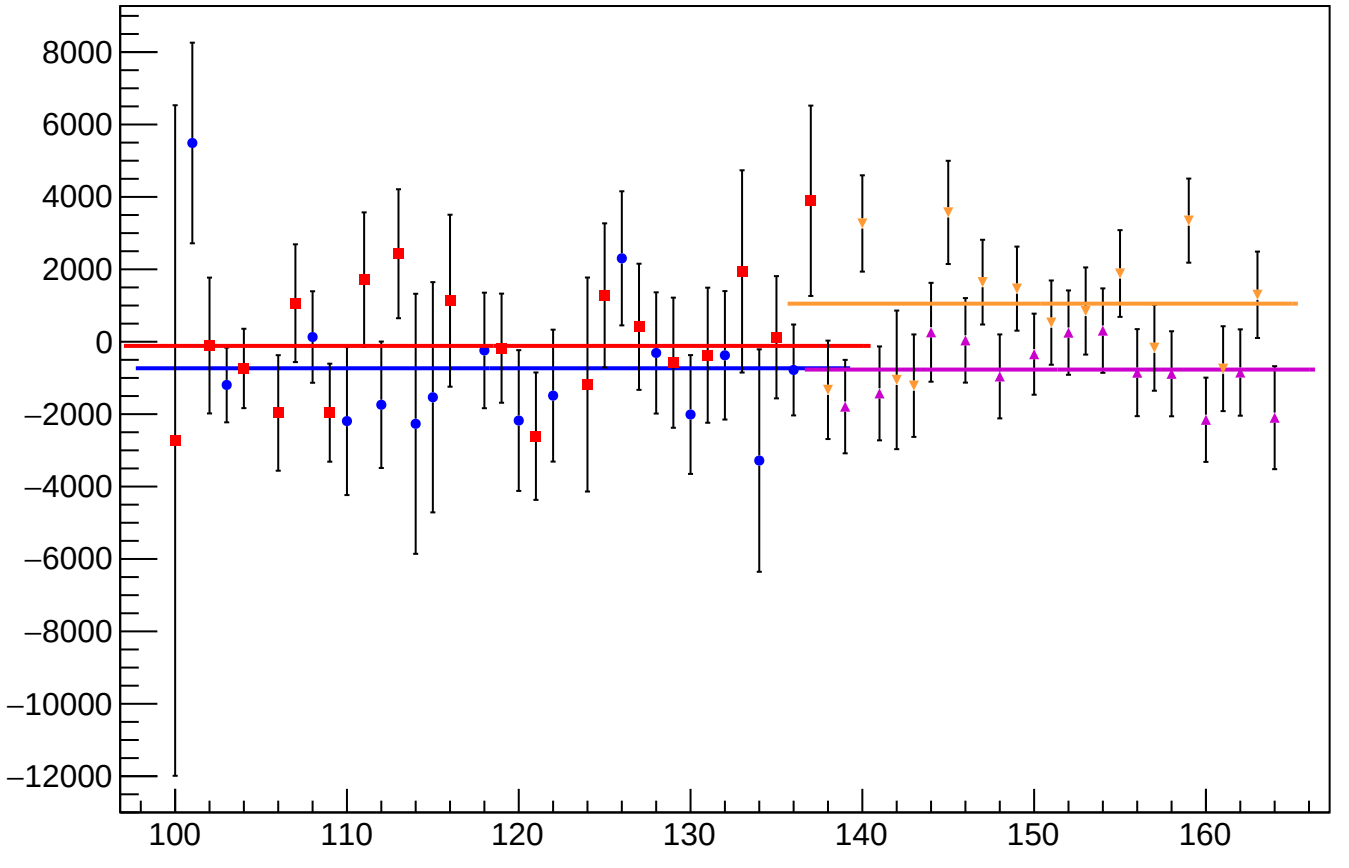
Left: 0.000+/-0.000 χ^2/NDF: 2509131.2/26

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:3469545.1/28

Out: 0.000+/-0.000 χ^2/NDF:3606842.1/32

All: 0.000+/-0.000 χ^2/NDF: 7081485.2/61



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 1051.360+/-336.178 χ^2/NDF:21.2/13

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -768.695+/-336.484 χ^2/NDF:6.0/12

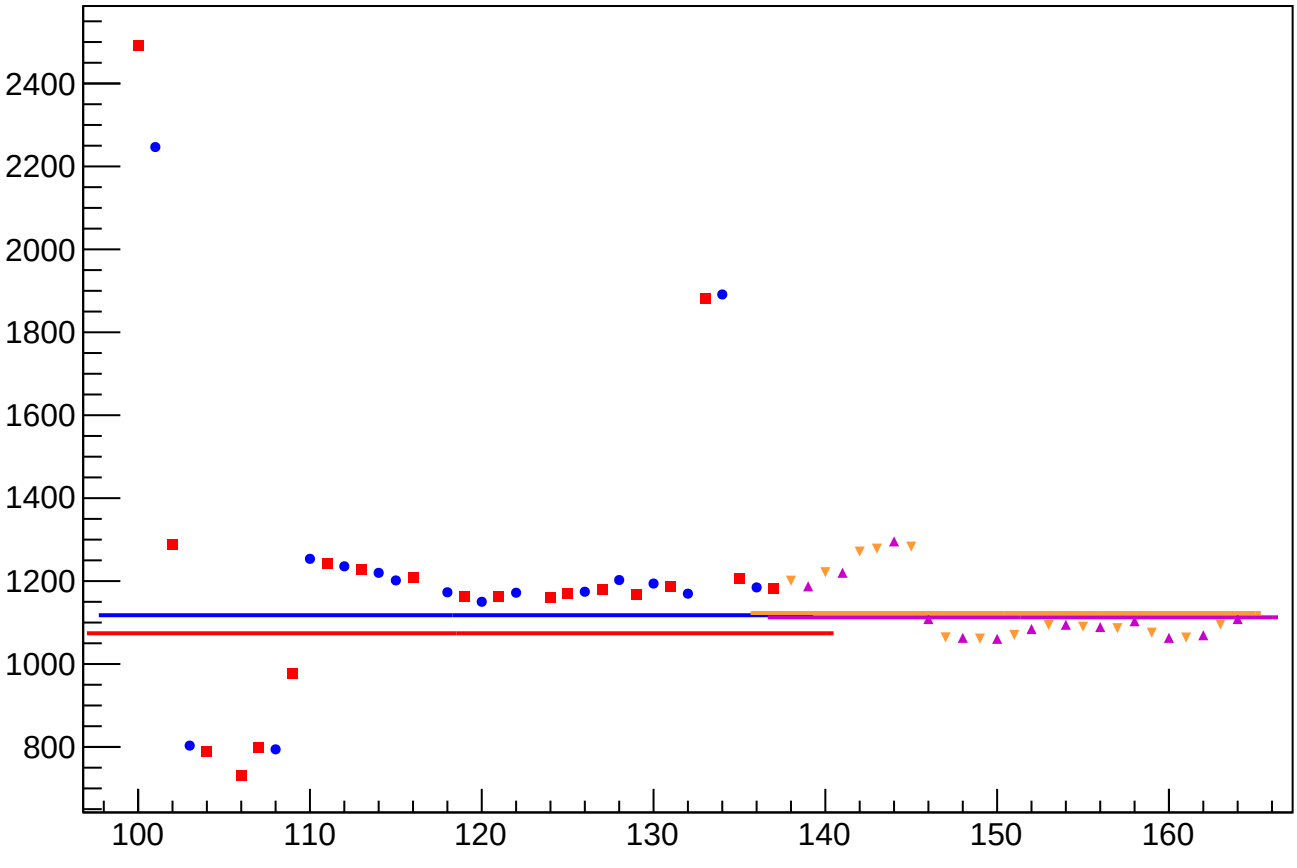
Left: 142.160+/-237.822 χ^2/NDF: 41.9/26

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -754.939+/-264.378 χ^2/NDF:17.7/28

Out: 584.399+/-260.328 χ^2/NDF:39.1/32

All: -74.931+/-185.495 χ^2/NDF: 69.9/61



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1123.022+/-0.238 χ^2/NDF:107699.3/13

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1112.612+/-0.238 χ^2/NDF:73160.5/12

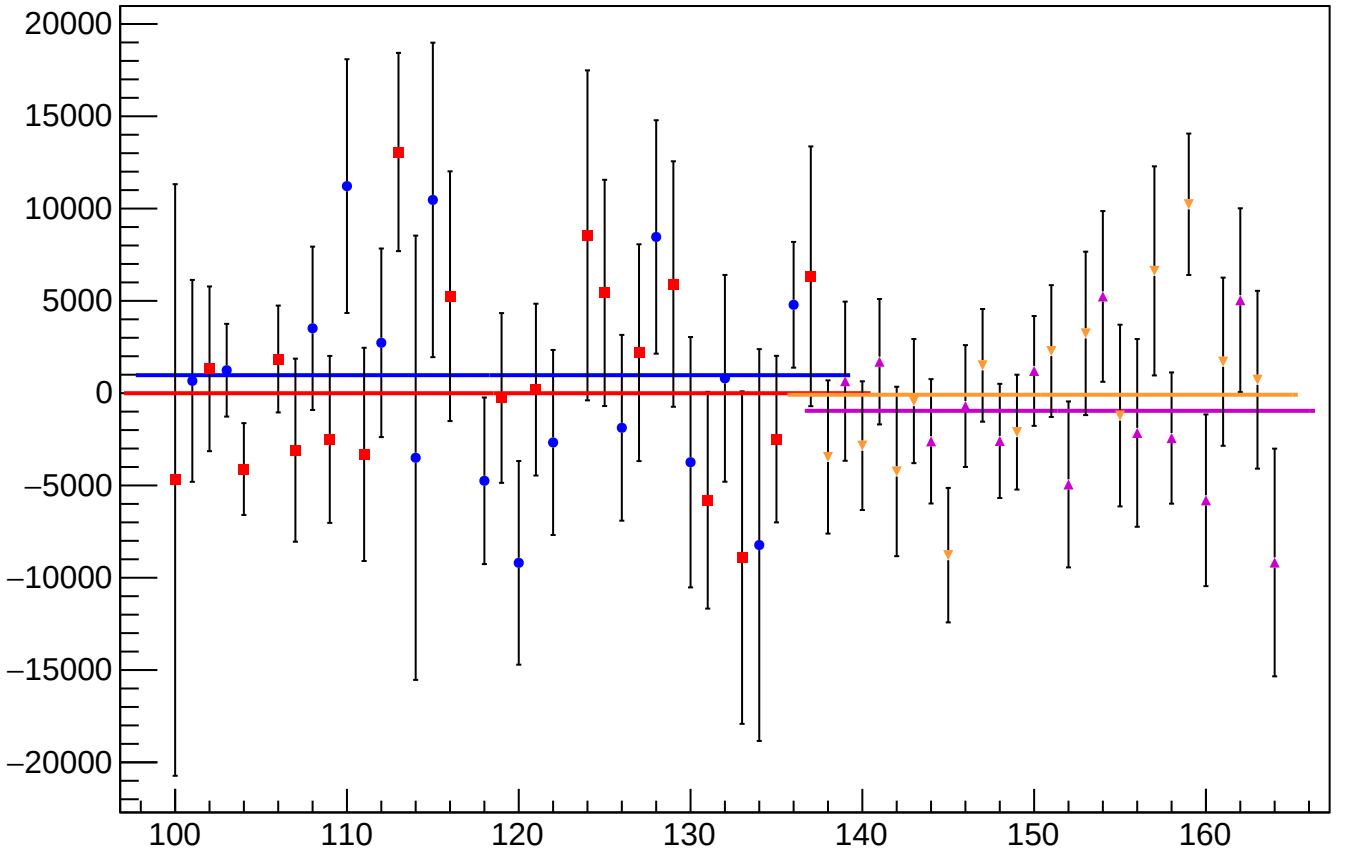
Left: 1117.822+/-0.168 χ^2/NDF: 181817.8/26

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1114.553+/-0.187 χ^2/NDF:893169.5/28

Out: 1103.260+/-0.183 χ^2/NDF:774300.1/32

All: 1108.801+/-0.131 χ^2/NDF: 1669328.3/61



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -86.998+/-1040.566 χ^2/NDF:18.4/13

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -957.131+/-1075.381 χ^2/NDF:8.9/12

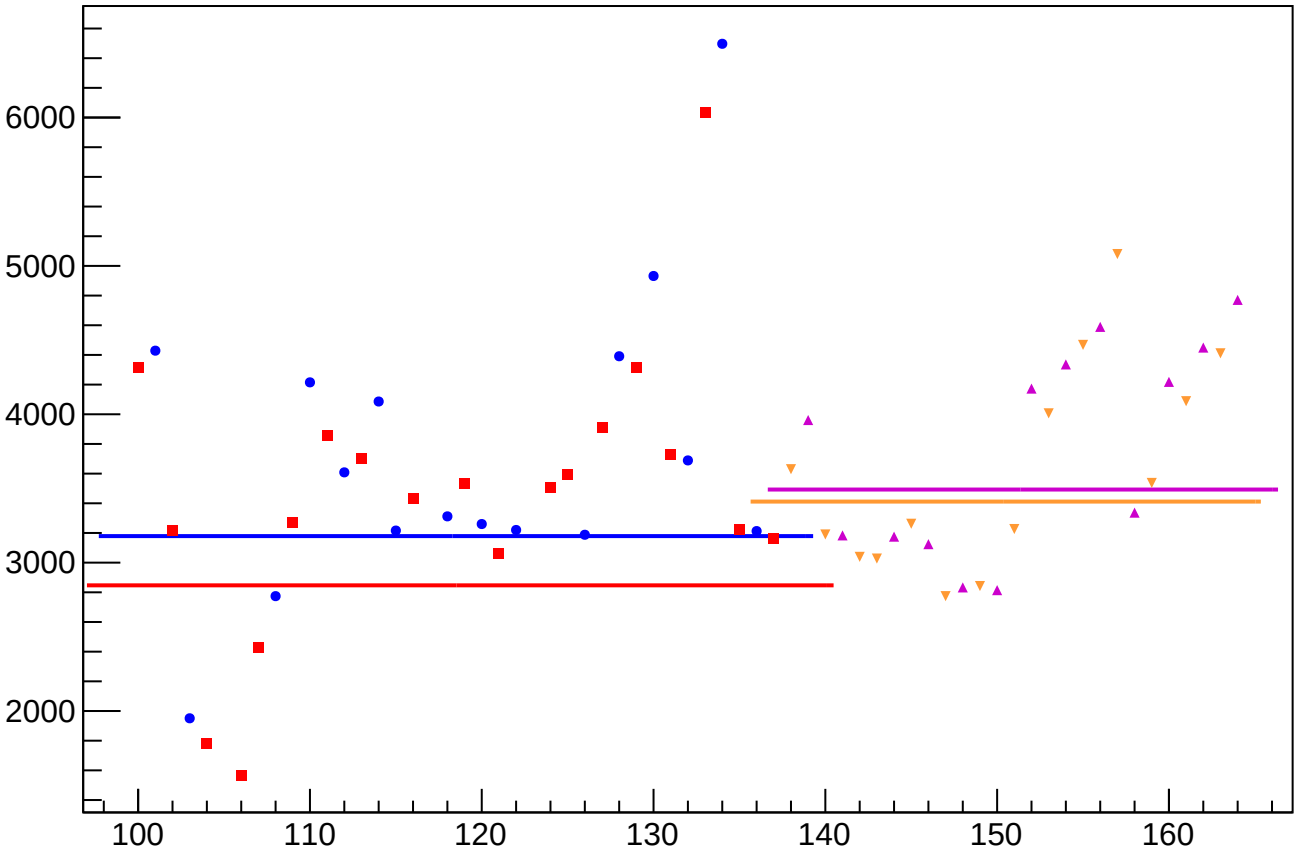
Left: -507.752+/-747.796 χ^2/NDF: 27.7/26

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: -122.730+/-810.374 χ^2/NDF:24.1/28

Out: -47.801+/-760.395 χ^2/NDF:35.0/32

All: -82.884+/-554.508 χ^2/NDF: 59.1/61



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3411.546+/-0.736 χ^2/NDF:649802.9/13

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3492.691+/-0.760 χ^2/NDF:695233.7/12

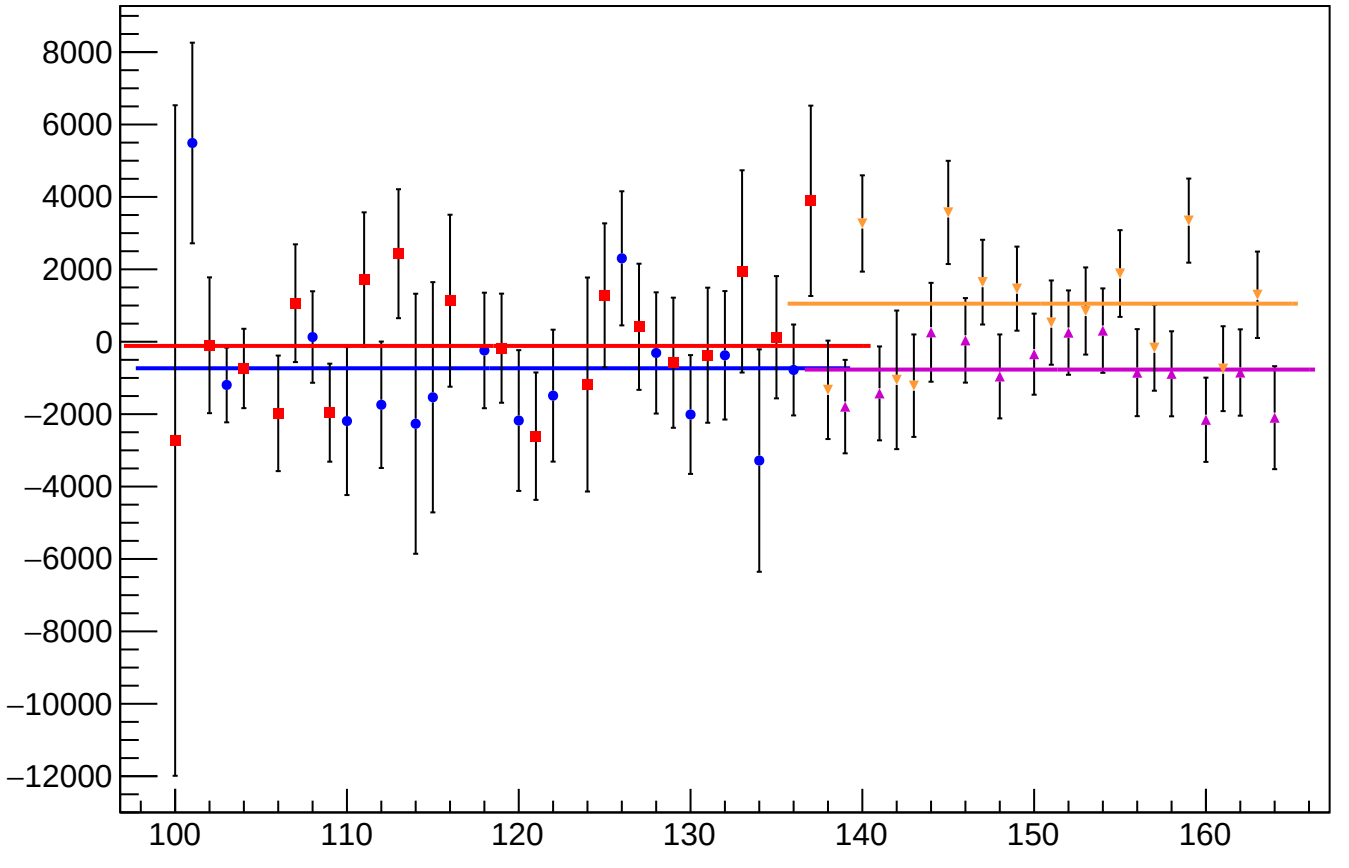
Left: 3450.784+/-0.529 χ^2/NDF: 1350917.7/26

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3357.078+/-0.573 χ^2/NDF:1860512.2/28

Out: 3148.474+/-0.538 χ^2/NDF:2435281.3/32

All: 3246.145+/-0.392 χ^2/NDF: 4366269.9/61



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1051.448+/-336.178 χ^2/NDF:21.2/13

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -768.688+/-336.484 χ^2/NDF:6.0/12

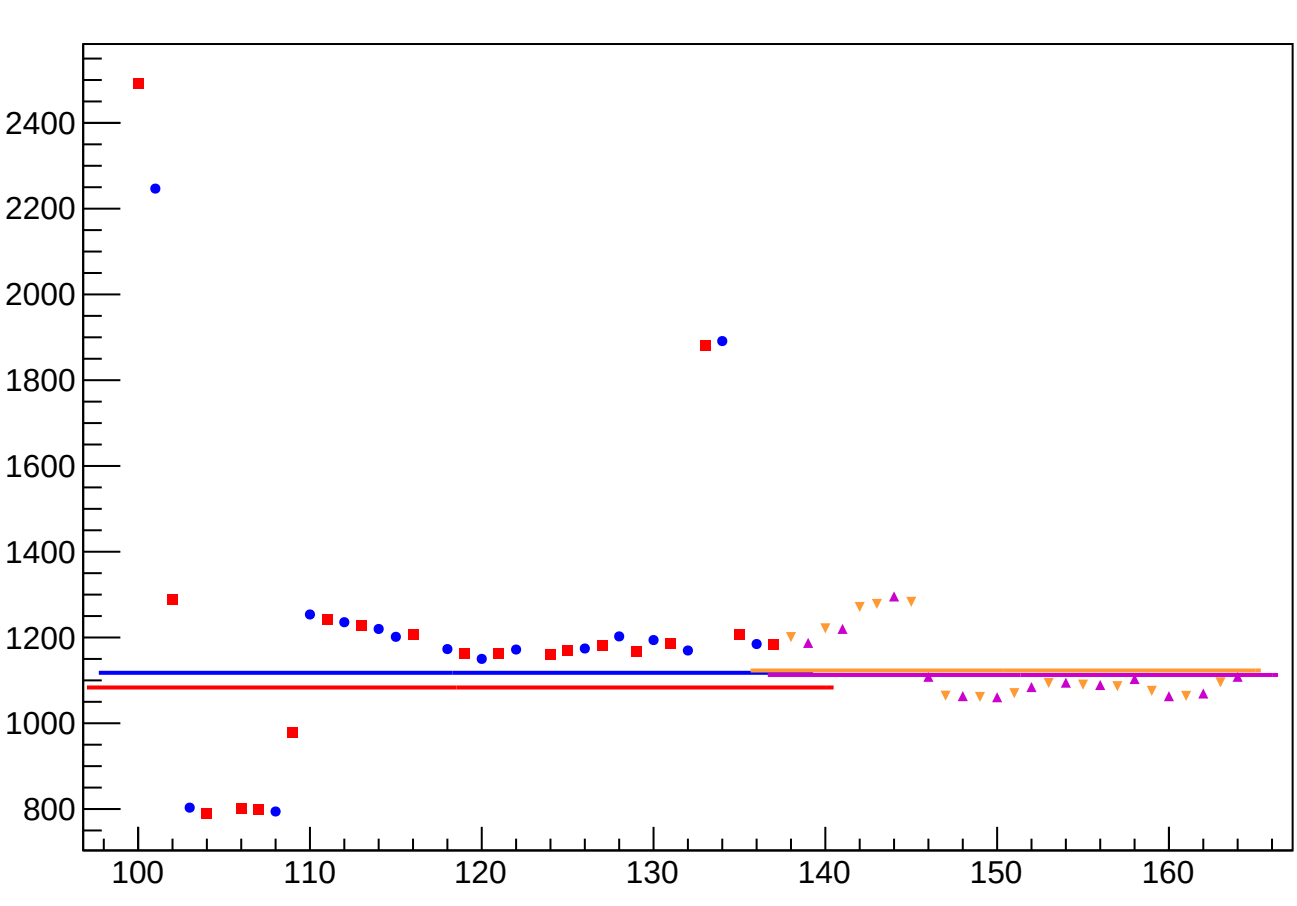
Left: 142.208+/-237.822 χ^2/NDF: 41.9/26

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -754.910+/-264.378 χ^2/NDF:17.7/28

Out: 584.351+/-260.329 χ^2/NDF:39.1/32

All: -74.944+/-185.495 χ^2/NDF: 69.9/61



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1123.022+/-0.238 χ^2/NDF:107699.3/13

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1112.612+/-0.238 χ^2/NDF:73160.5/12

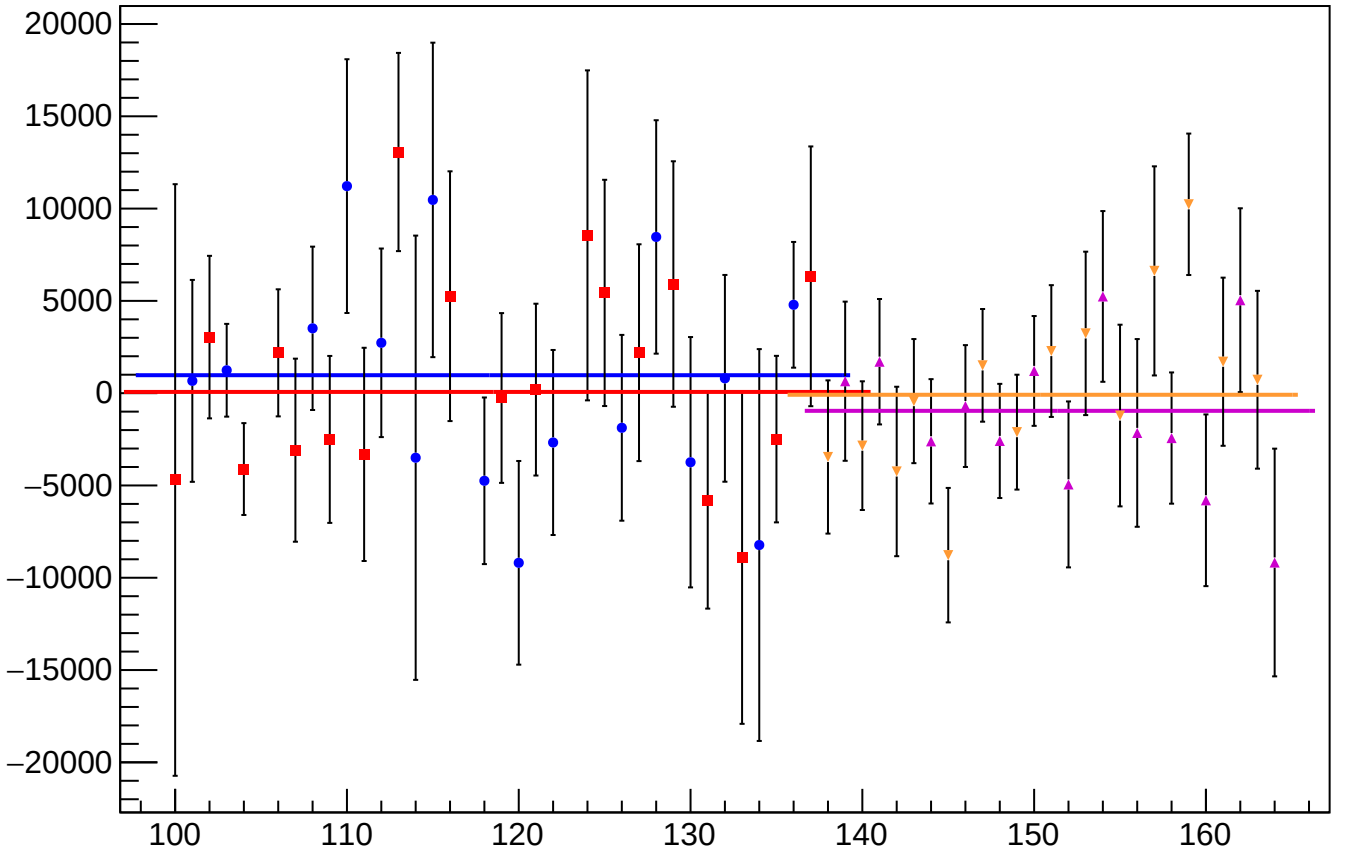
Left: 1117.822+/-0.168 χ^2/NDF: 181817.8/26

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1114.553+/-0.187 χ^2/NDF:893166.1/28

Out: 1107.132+/-0.184 χ^2/NDF:713852.2/32

All: 1110.782+/-0.131 χ^2/NDF: 1607819.1/61



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -87.009+/-1040.564 χ^2/NDF:18.4/13

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -957.144+/-1075.381 χ^2/NDF:8.9/12

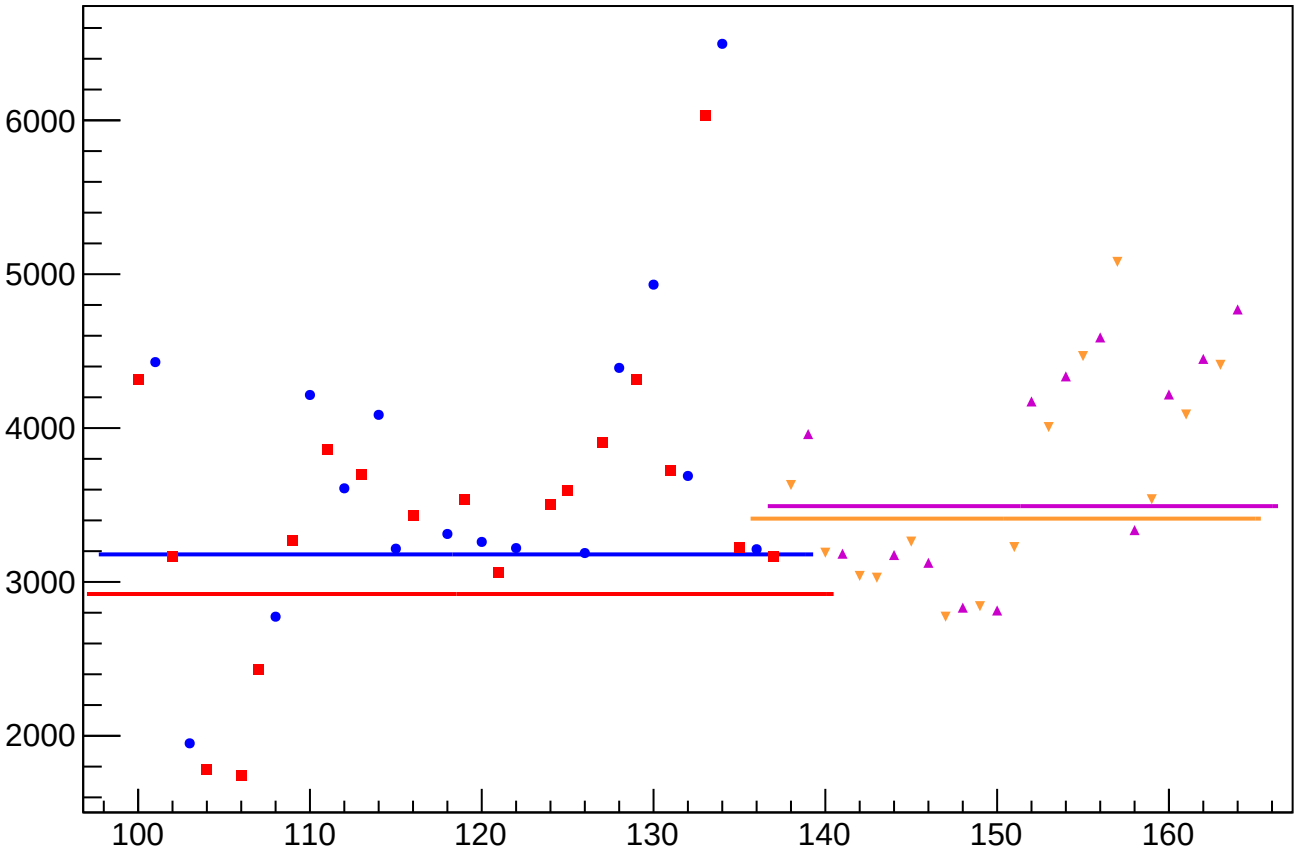
Left: -507.763+/-747.796 χ^2/NDF: 27.7/26

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: -122.991+/-810.388 χ^2/NDF:24.1/28

Out: -16.820+/-767.897 χ^2/NDF:35.3/32

All: -67.049+/-557.402 χ^2/NDF: 59.5/61



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3411.541+/-0.736 χ^2/NDF:649804.9/13

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3492.691+/-0.760 χ^2/NDF:695237.2/12

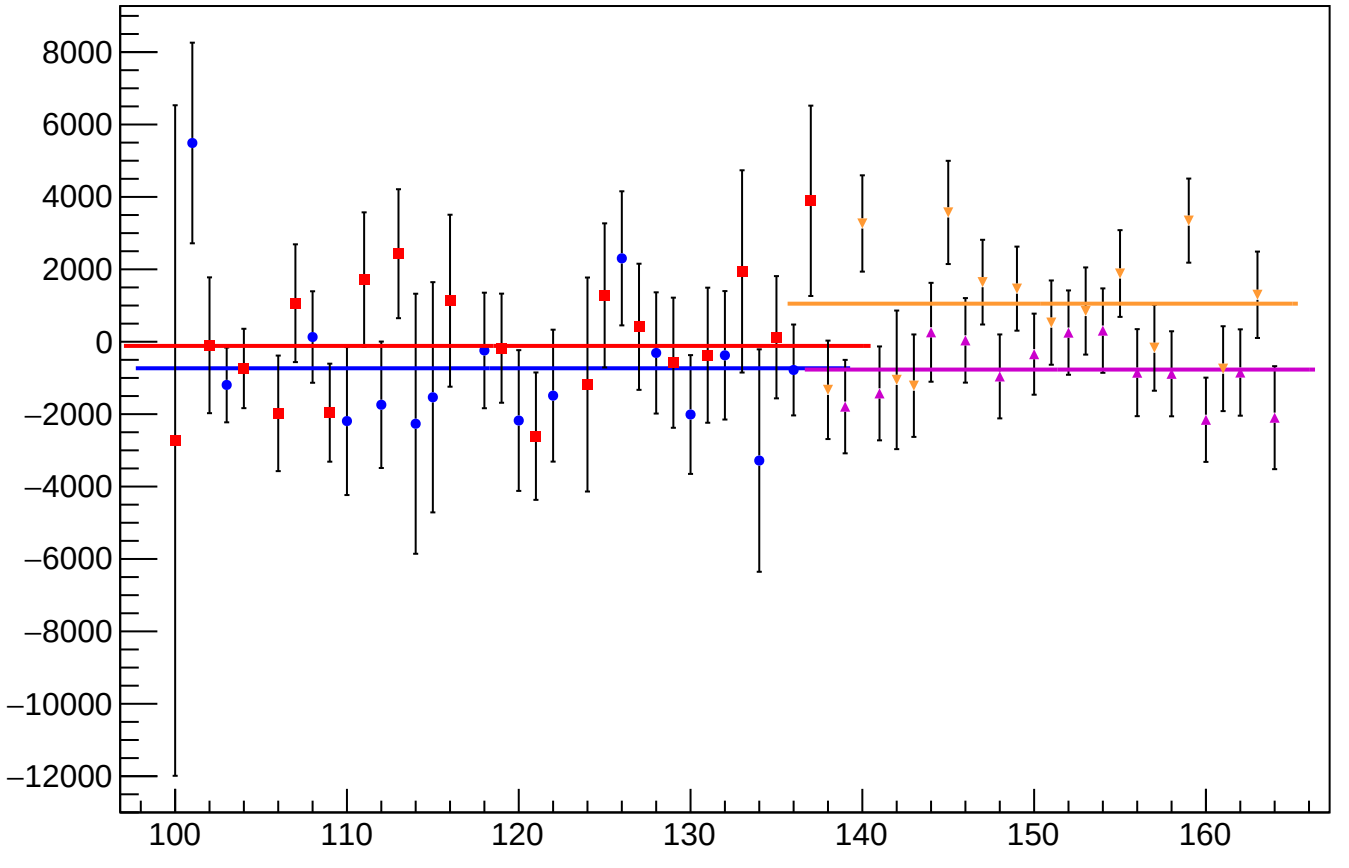
Left: 3450.781+/-0.529 χ^2/NDF: 1350923.8/26

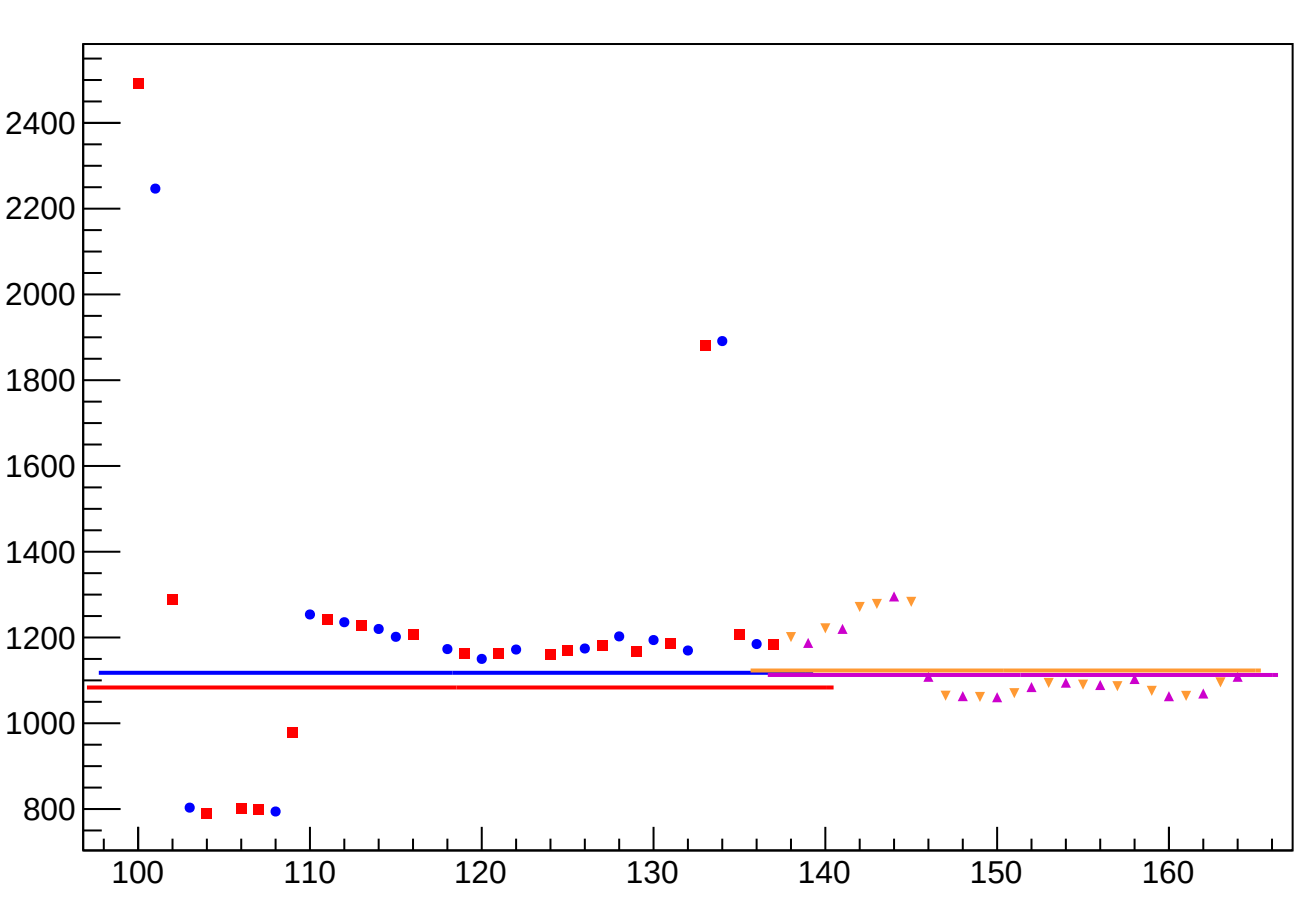
Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3357.164+/-0.573 χ^2/NDF:1859985.5/28

Out: 3188.435+/-0.543 χ^2/NDF:2164583.7/32

All: 3268.260+/-0.394 χ^2/NDF: 4070252.0/61


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 1051.448+/-336.178 χ²/NDF:21.2/13
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -768.688+/-336.484 χ²/NDF:6.0/12
Left: 142.208+/-237.822 χ²/NDF: 41.9/26
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -754.910+/-264.378 χ²/NDF:17.7/28
Out: 584.351+/-260.329 χ²/NDF:39.1/32
All: -74.944+/-185.495 χ²/NDF: 69.9/61



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1123.022+/-0.238 χ^2/NDF:107699.3/13

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1112.612+/-0.238 χ^2/NDF:73160.5/12

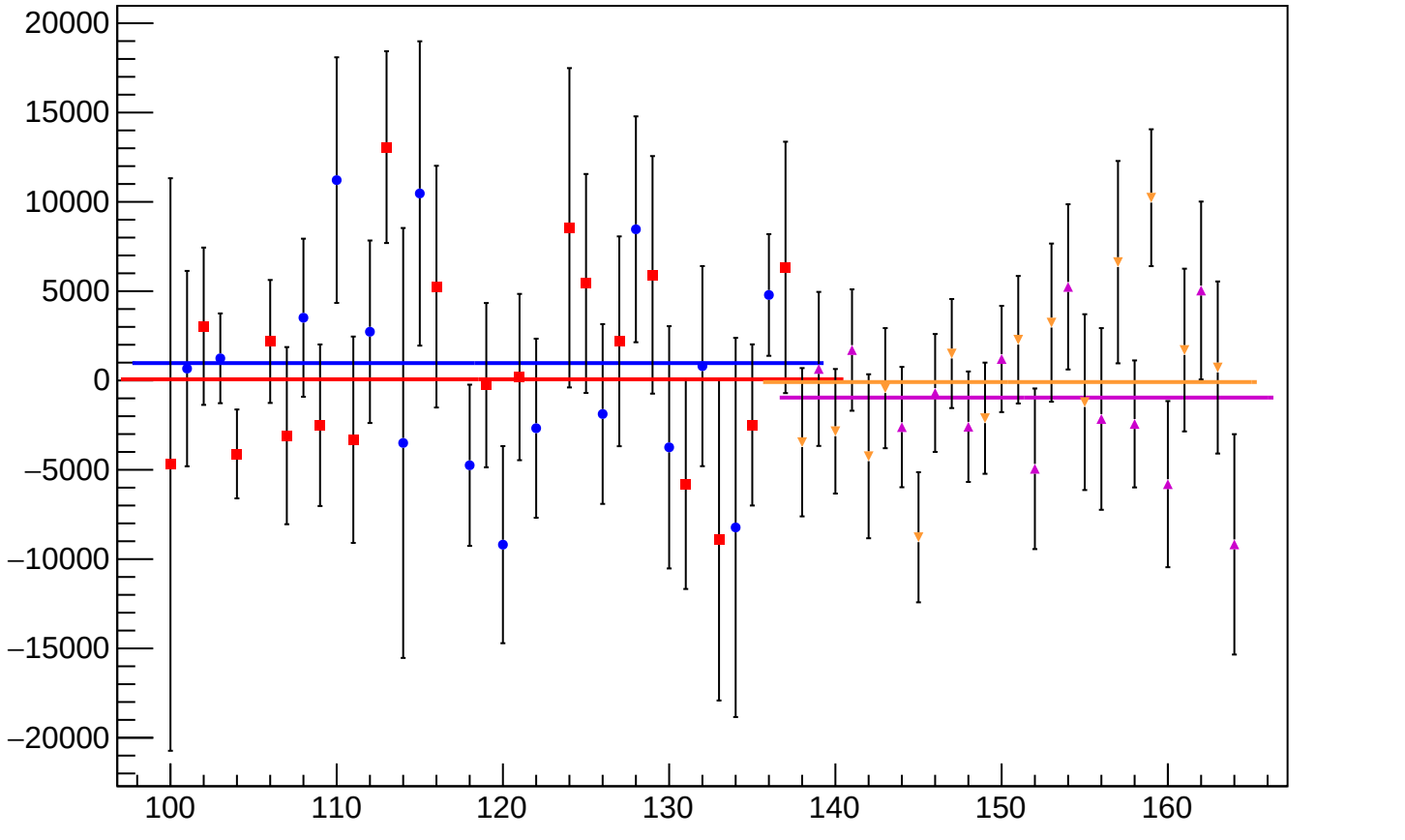
Left: 1117.822+/-0.168 χ^2/NDF: 181817.8/26

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1114.553+/-0.187 χ^2/NDF:893166.1/28

Out: 1107.132+/-0.184 χ^2/NDF:713852.2/32

All: 1110.782+/-0.131 χ^2/NDF: 1607819.1/61



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -87.009+/-1040.564 χ^2/NDF:18.4/13

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -957.144+/-1075.381 χ^2/NDF:8.9/12

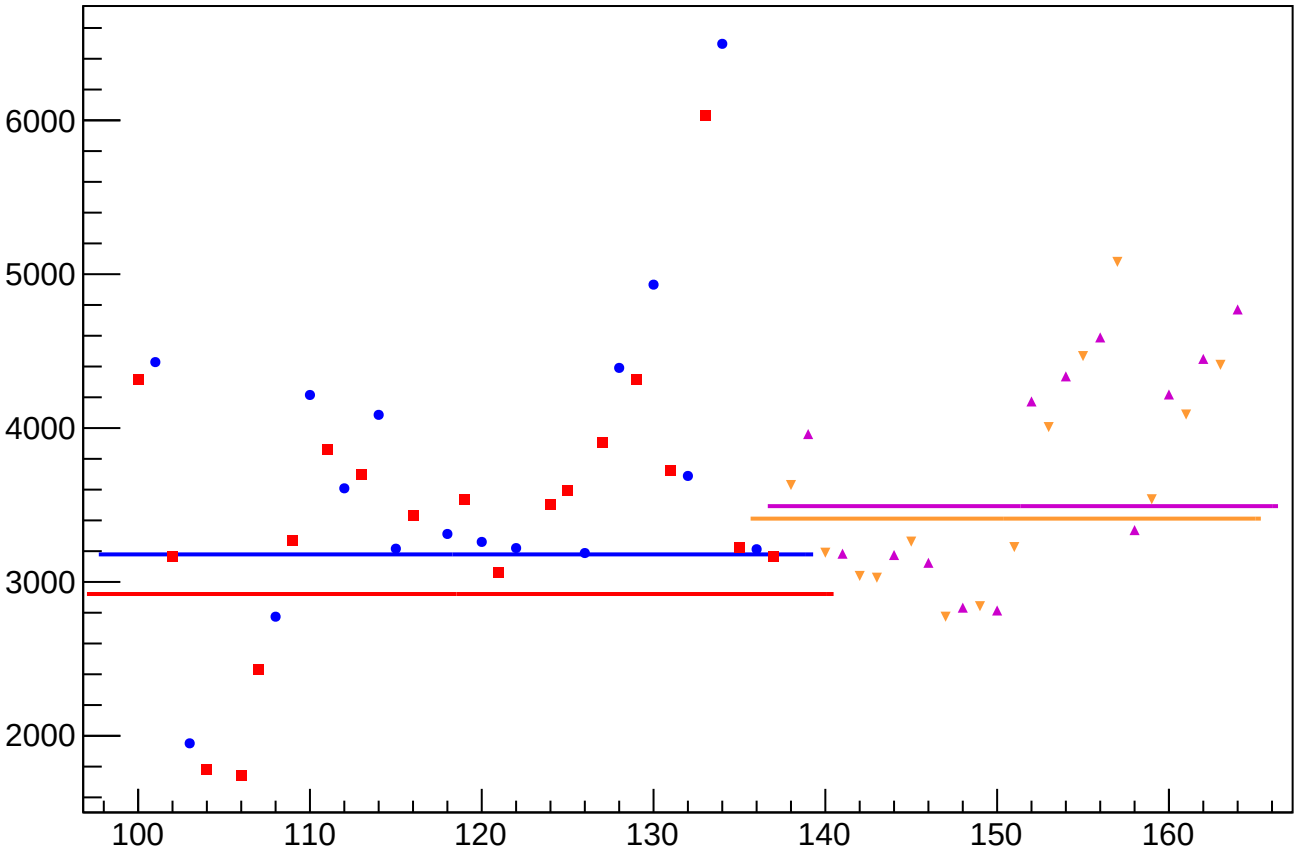
Left: -507.763+/-747.796 χ^2/NDF: 27.7/26

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: -122.991+/-810.388 χ^2/NDF:24.1/28

Out: -16.820+/-767.897 χ^2/NDF:35.3/32

All: -67.049+/-557.402 χ^2/NDF: 59.5/61



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3411.541+/-0.736 χ^2/NDF:649804.9/13

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3492.691+/-0.760 χ^2/NDF:695237.2/12

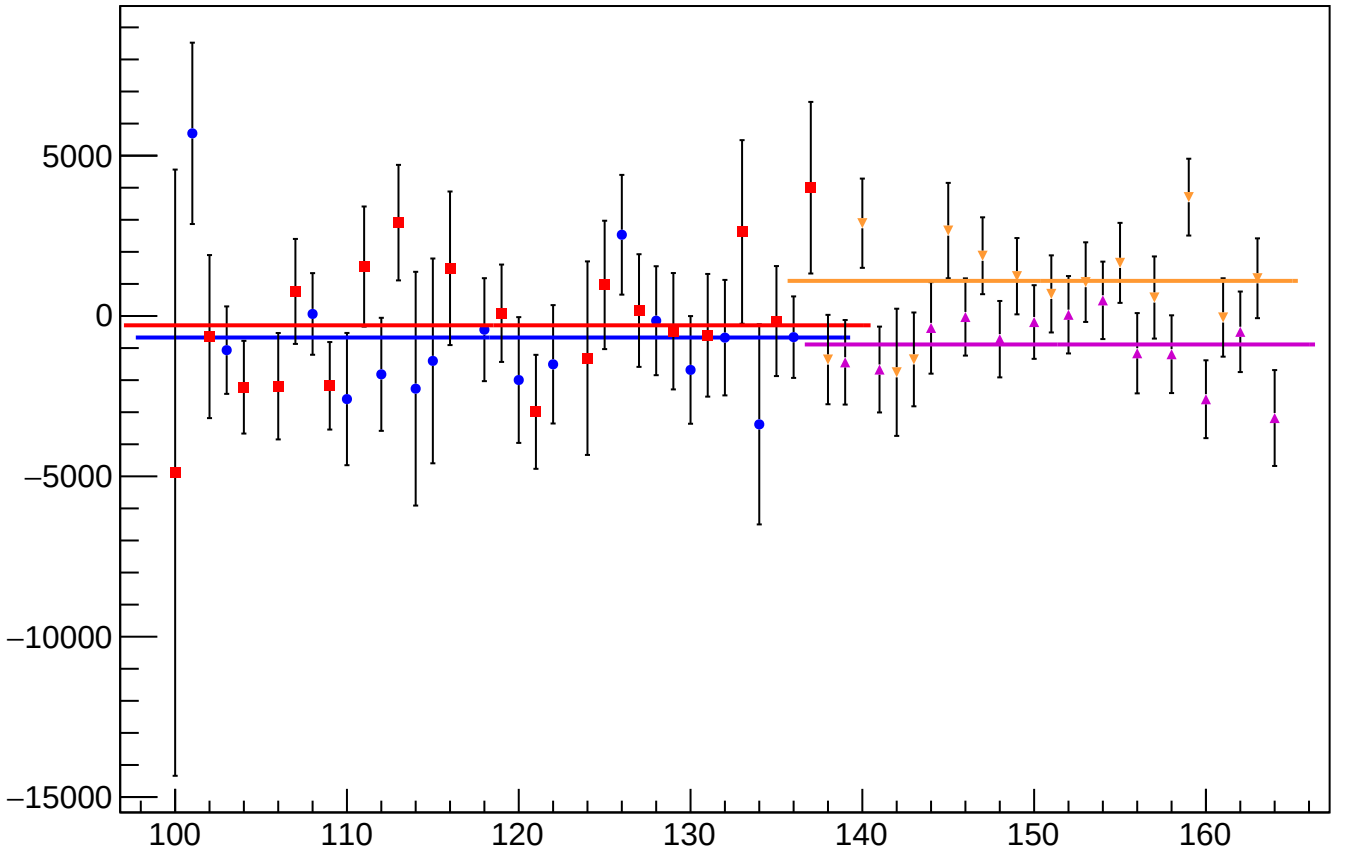
Left: 3450.781+/-0.529 χ^2/NDF: 1350923.8/26

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3357.164+/-0.573 χ^2/NDF:1859985.5/28

Out: 3188.435+/-0.543 χ^2/NDF:2164583.7/32

All: 3268.260+/-0.394 χ^2/NDF: 4070252.0/61



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 1095.238+/-348.962 χ^2/NDF:17.3/13

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -887.535+/-348.579 χ^2/NDF:8.0/12

Left: 102.766+/-246.618 χ^2/NDF: 41.4/26

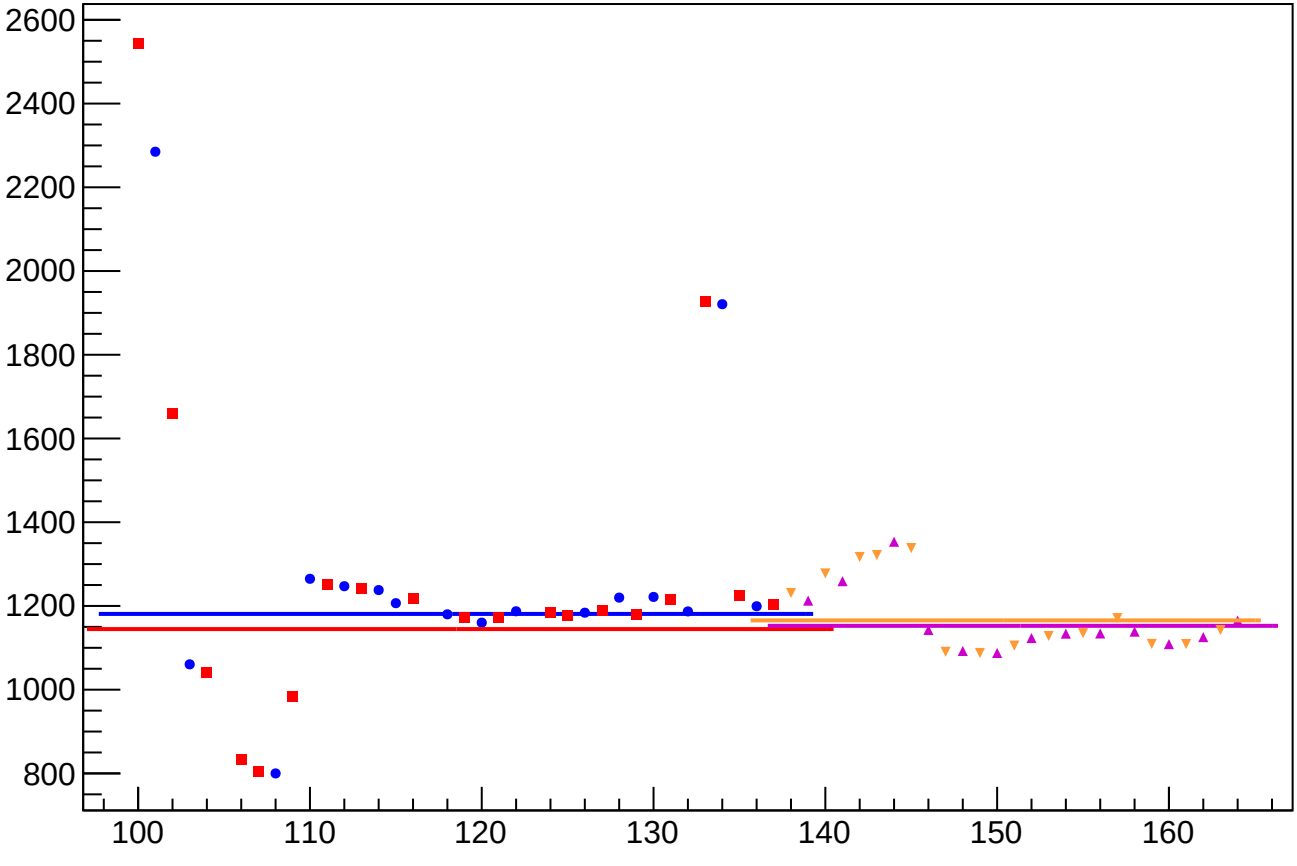
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -805.924+/-275.227 χ^2/NDF:20.0/28

Out: 551.842+/-272.058 χ^2/NDF:40.4/32

All: -119.179+/-193.485 χ^2/NDF: 72.7/61

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1165.512+/-0.247 χ^2/NDF:112621.7/13

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1152.502+/-0.246 χ^2/NDF:74102.0/12

Left: 1159.000+/-0.174 χ^2/NDF: 188115.2/26

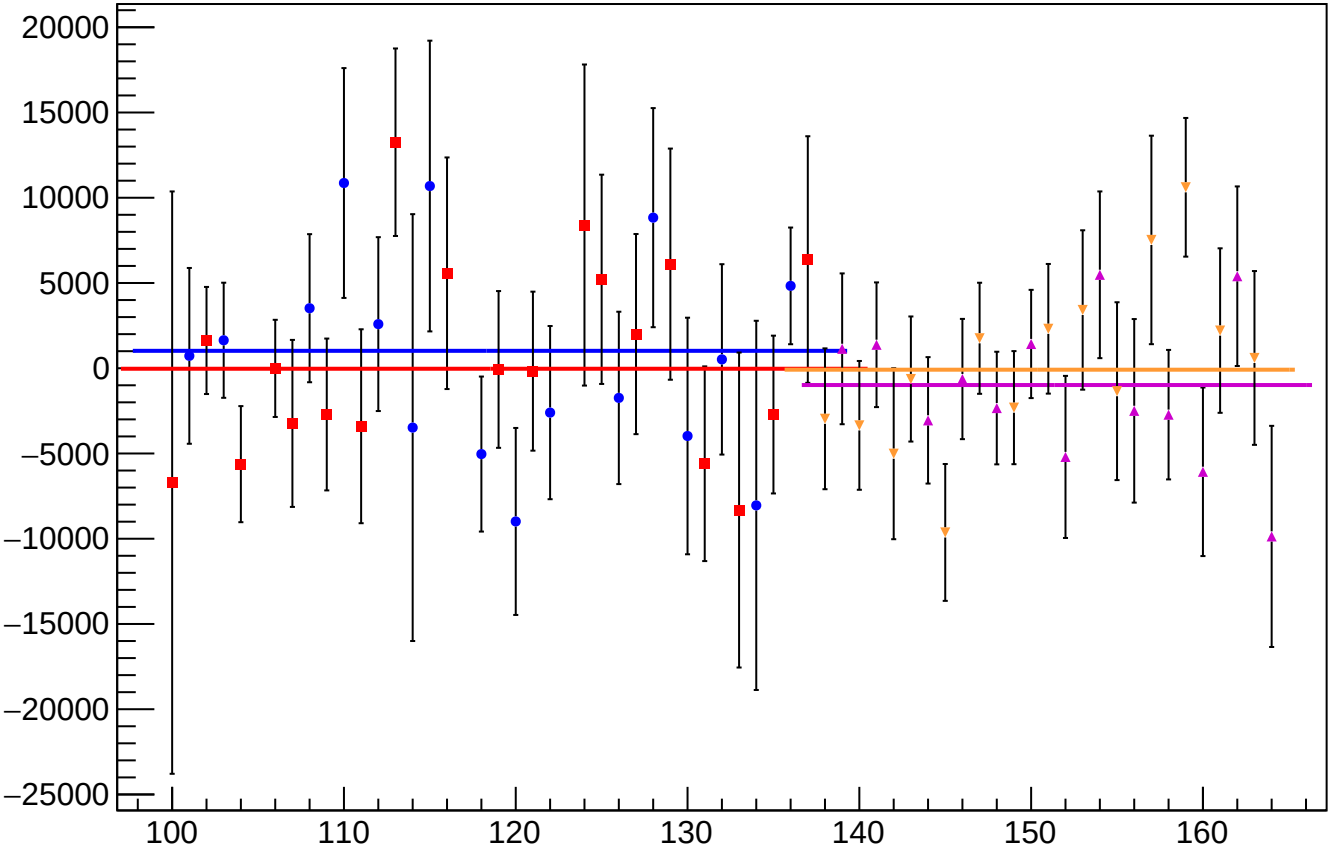
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1163.217+/-0.195 χ^2/NDF:700998.8/28

Out: 1157.376+/-0.192 χ^2/NDF:613123.4/32

All: 1160.262+/-0.137 χ^2/NDF: 1314578.0/61

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -85.774+/-1110.891 χ^2/NDF:18.4/13

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -985.046+/-1146.611 χ^2/NDF:8.9/12

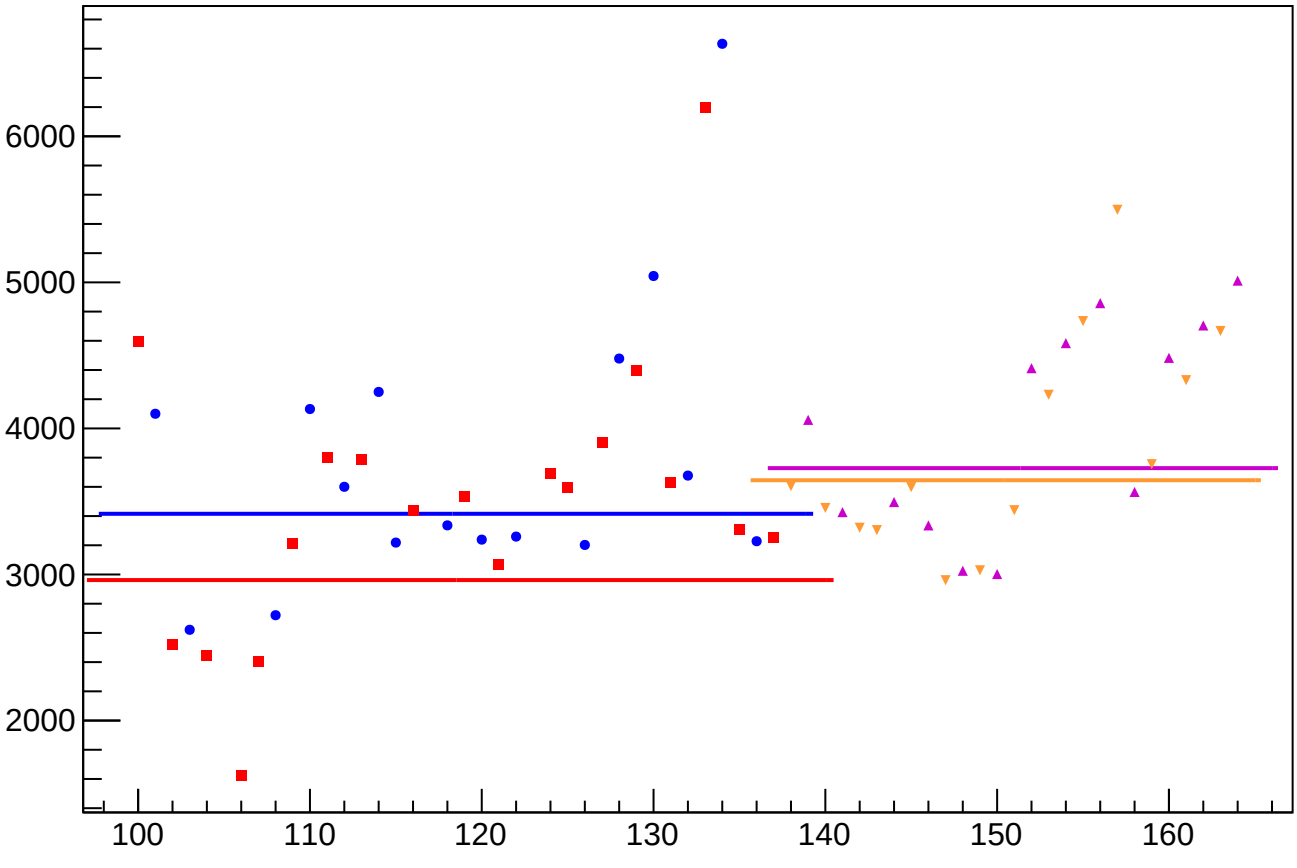
Left: -521.185+/-797.848 χ^2/NDF: 27.6/26

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: -109.122+/-860.622 χ^2/NDF:24.1/28

Out: -58.448+/-792.444 χ^2/NDF:34.5/32

All: -81.698+/-582.957 χ^2/NDF: 58.7/61



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3645.442+/-0.786 χ^2/NDF:618703.3/13

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3728.163+/-0.811 χ^2/NDF:640414.7/12

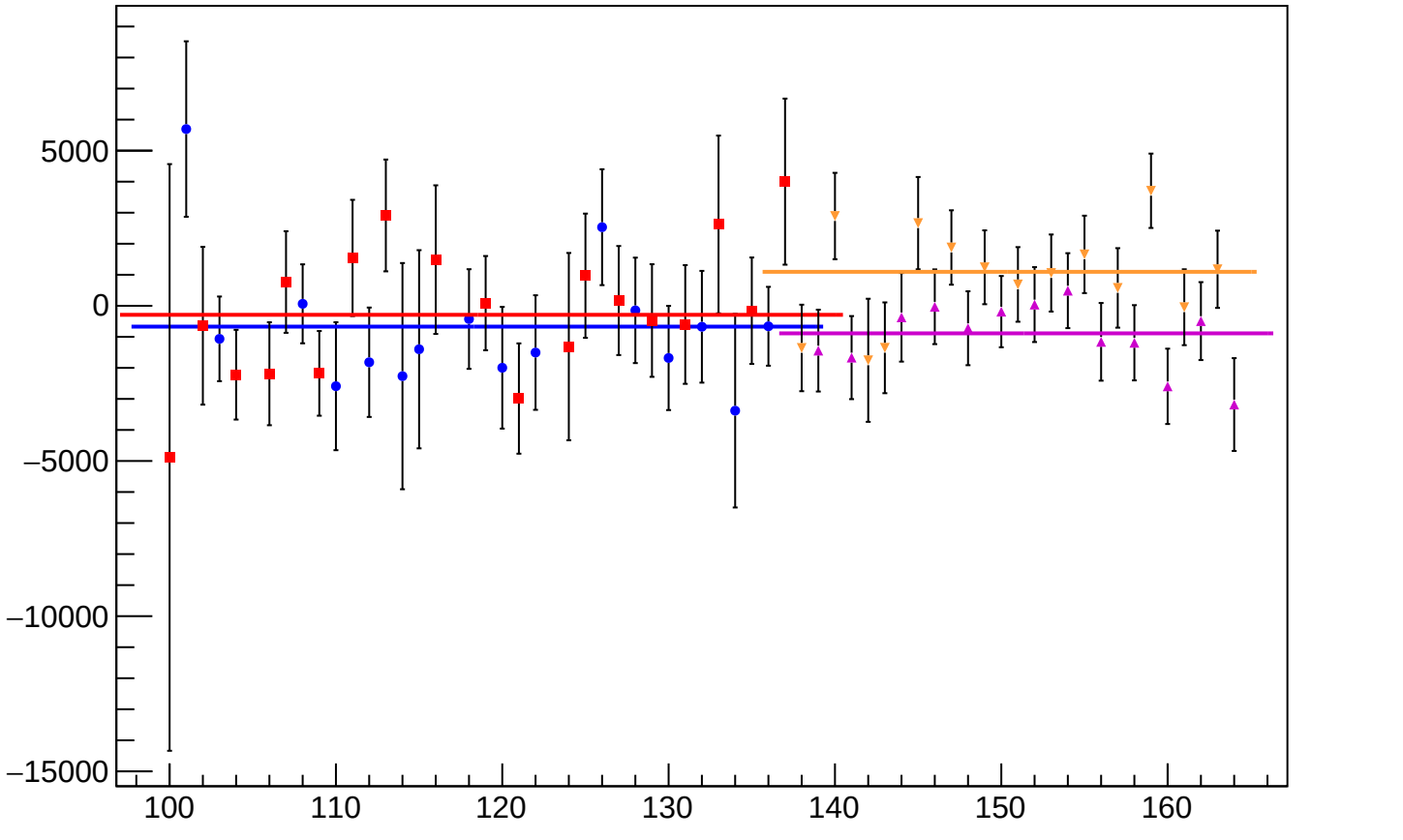
Left: 3685.494+/-0.564 χ^2/NDF: 1264487.6/26

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3591.686+/-0.609 χ^2/NDF:1297652.6/28

Out: 3309.674+/-0.560 χ^2/NDF:2159971.7/32

All: 3439.068+/-0.412 χ^2/NDF: 3573843.4/61



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 1095.248+/-348.962 χ^2/NDF:17.3/13

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -887.535+/-348.580 χ^2/NDF:8.0/12

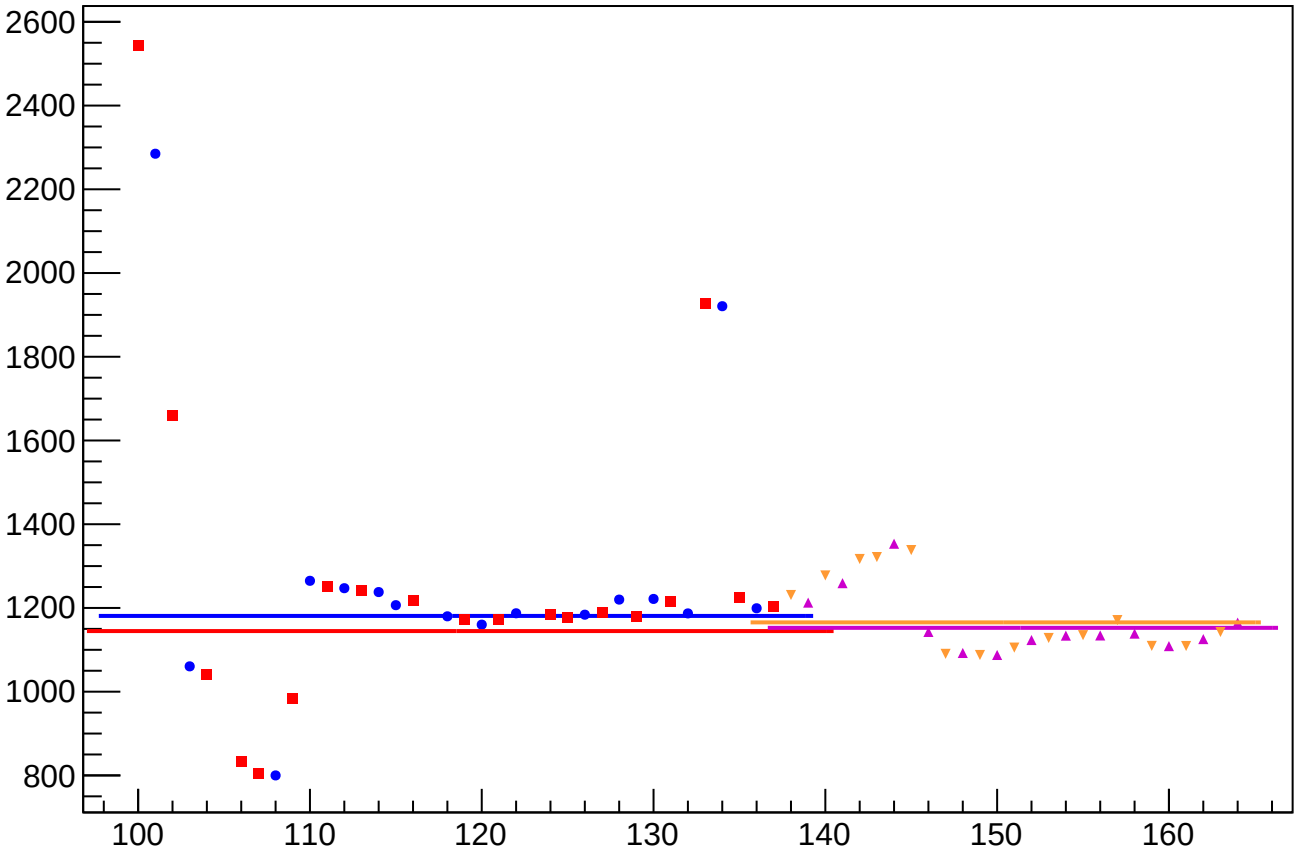
Left: 102.770+/-246.618 χ^2/NDF: 41.4/26

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -805.925+/-275.228 χ^2/NDF:20.0/28

Out: 551.845+/-272.059 χ^2/NDF:40.4/32

All: -119.178+/-193.485 χ^2/NDF: 72.7/61



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1165.513+/-0.247 χ^2/NDF:112621.3/13

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1152.503+/-0.246 χ^2/NDF:74101.5/12

Left: 1159.001+/-0.174 χ^2/NDF: 188114.3/26

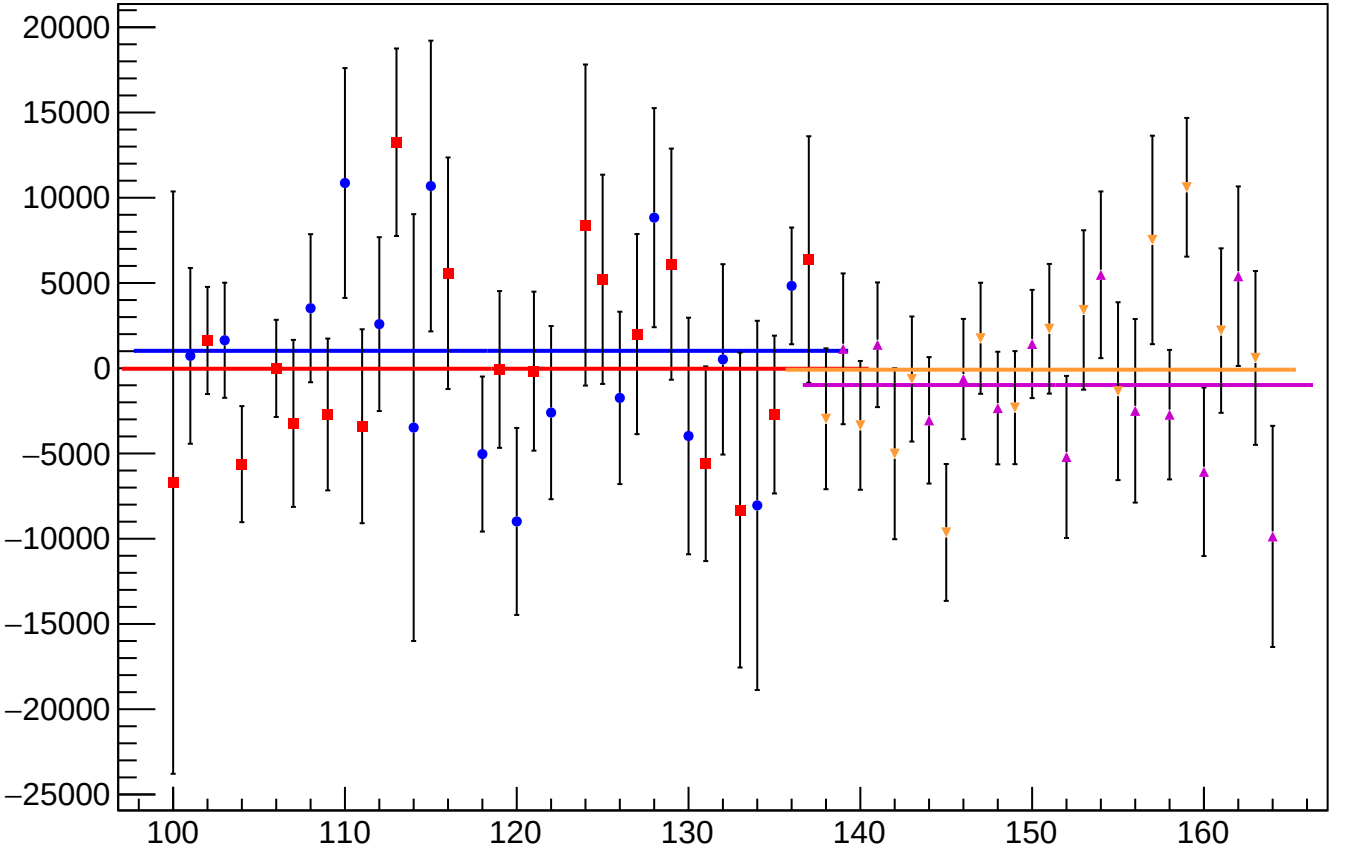
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1163.218+/-0.195 χ^2/NDF:700998.2/28

Out: 1157.376+/-0.192 χ^2/NDF:613122.8/32

All: 1160.263+/-0.137 χ^2/NDF: 1314576.7/61

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -85.771+/-1110.893 χ^2/NDF:18.4/13

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -985.042+/-1146.613 χ^2/NDF:8.9/12

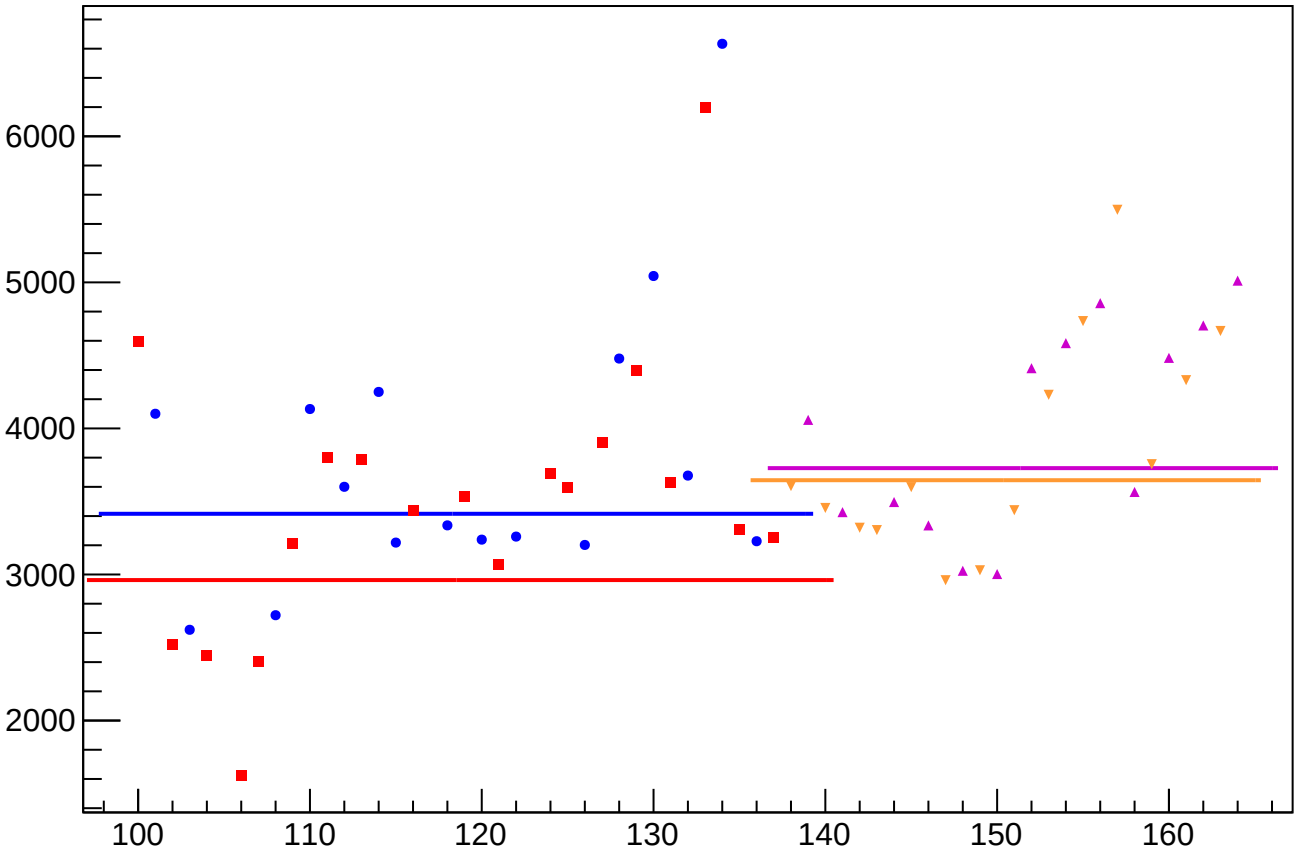
Left: -521.181+/-797.849 χ^2/NDF: 27.6/26

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: -109.125+/-860.622 χ^2/NDF:24.1/28

Out: -58.449+/-792.444 χ^2/NDF:34.5/32

All: -81.701+/-582.957 χ^2/NDF: 58.7/61



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3645.446+/-0.786 χ^2/NDF:618702.7/13

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3728.168+/-0.811 χ^2/NDF:640414.0/12

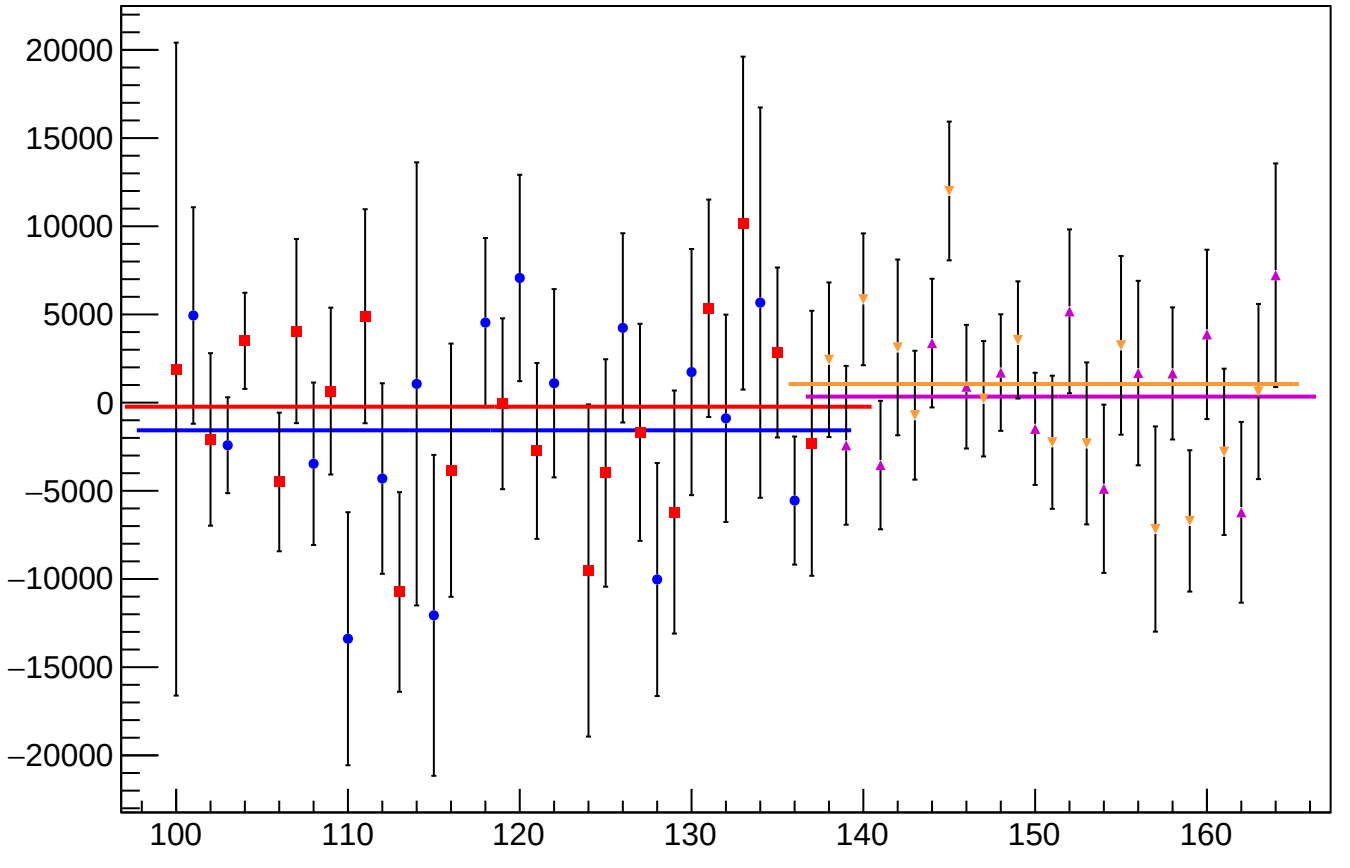
Left: 3685.499+/-0.564 χ^2/NDF: 1264486.1/26

Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3591.687+/-0.609 χ^2/NDF:1297650.3/28

Out: 3309.673+/-0.560 χ^2/NDF:2159981.5/32

All: 3439.068+/-0.412 χ^2/NDF: 3573852.5/61



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 1055.306+/-1103.427 χ^2/NDF:18.4/13

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: 342.175+/-1135.159 χ^2/NDF:8.6/12

Left: 708.847+/-791.221 χ^2/NDF: 27.2/26

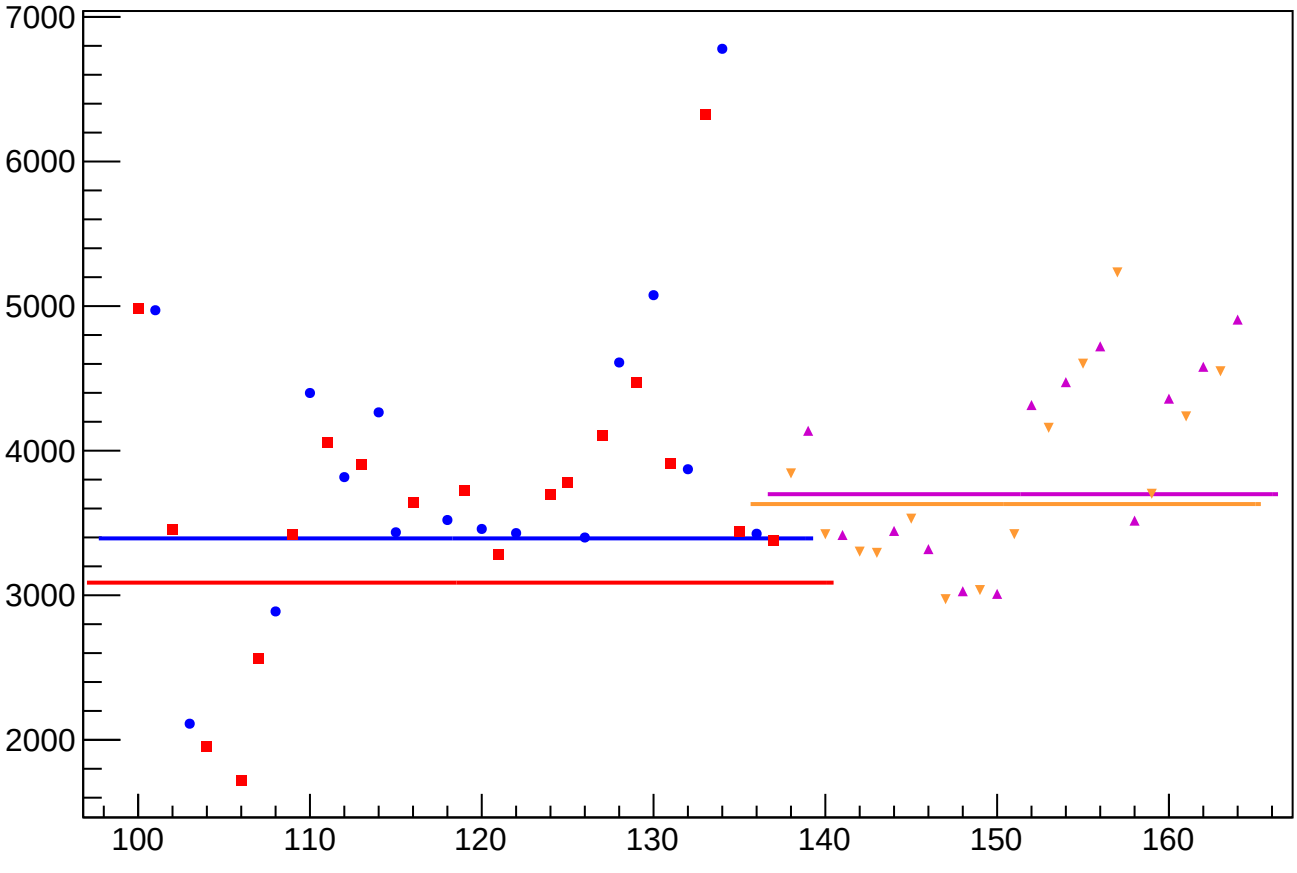
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -475.699+/-858.707 χ^2/NDF:24.2/28

Out: 478.721+/-819.658 χ^2/NDF:32.3/32

All: 23.705+/-592.910 χ^2/NDF: 57.2/61

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3630.834+/-0.780 χ^2/NDF:542748.9/13

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3699.114+/-0.803 χ^2/NDF:579358.9/12

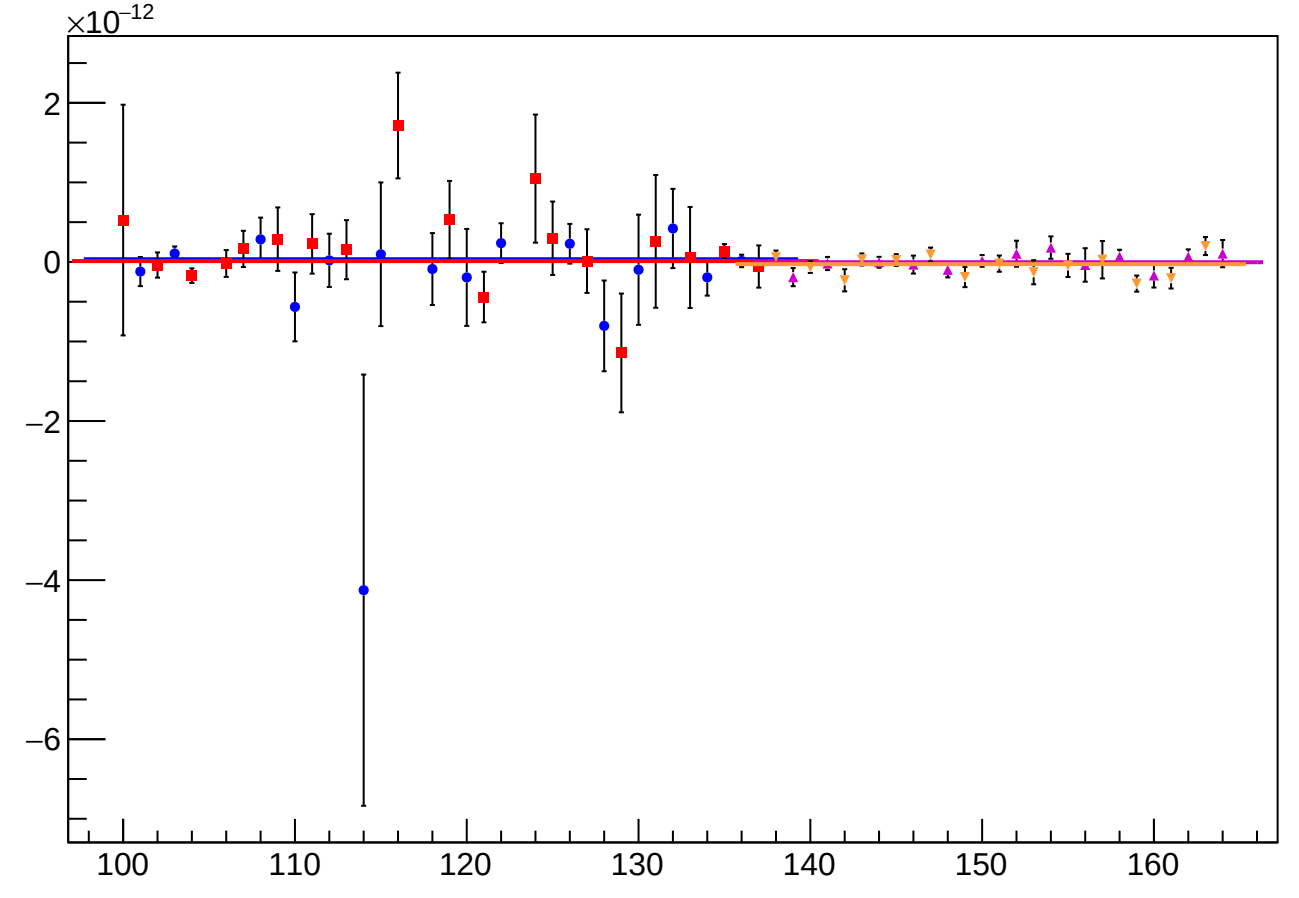
Left: 3664.007+/-0.559 χ^2/NDF: 1125828.5/26

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3568.326+/-0.607 χ^2/NDF:1690132.0/28

Out: 3382.674+/-0.575 χ^2/NDF:2092667.3/32

All: 3470.475+/-0.418 χ^2/NDF: 3832071.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/12

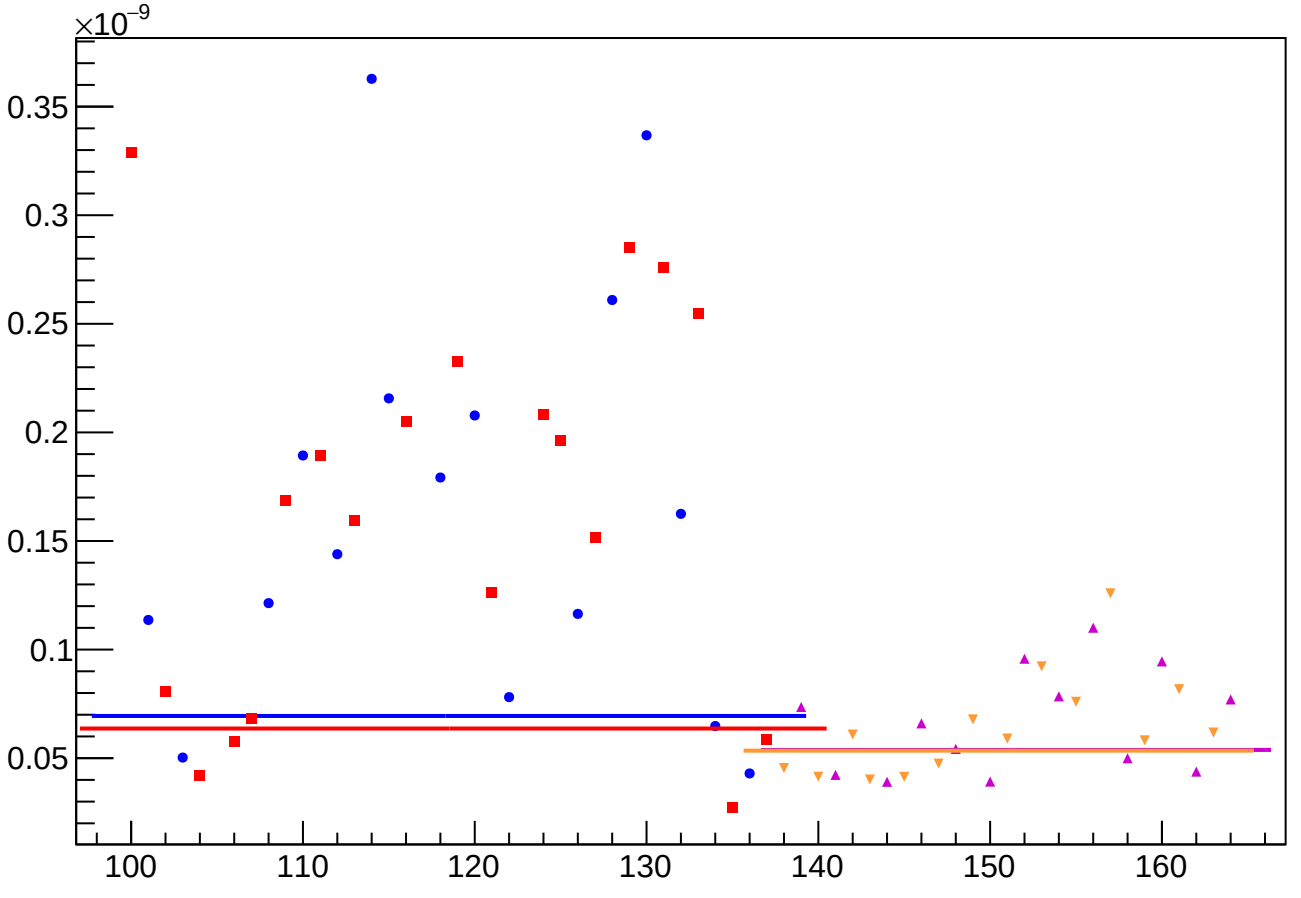
Left: -0.000+/-0.000 χ^2/NDF: 29.6/26

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:21.1/28

Out: -0.000+/-0.000 χ^2/NDF:42.6/32

All: -0.000+/-0.000 χ^2/NDF: 64.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:710282.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:837132.7/12

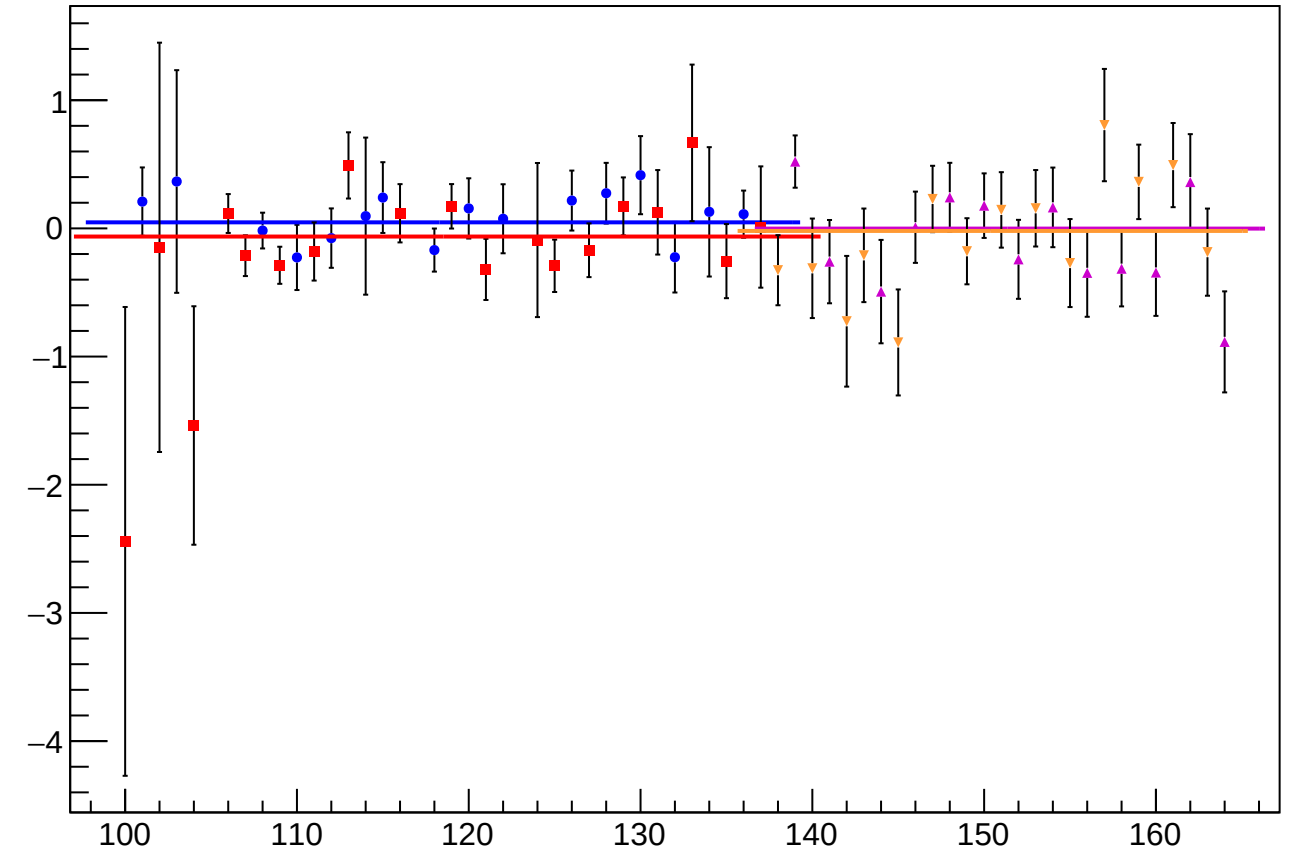
Left: 0.000+/-0.000 χ^2/NDF: 1547560.5/26

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2719838.3/28

Out: 0.000+/-0.000 χ^2/NDF:3025843.1/32

All: 0.000+/-0.000 χ^2/NDF: 5751939.9/61



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.020+/-0.087 χ^2/NDF:18.9/13

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.002+/-0.083 χ^2/NDF:20.0/12

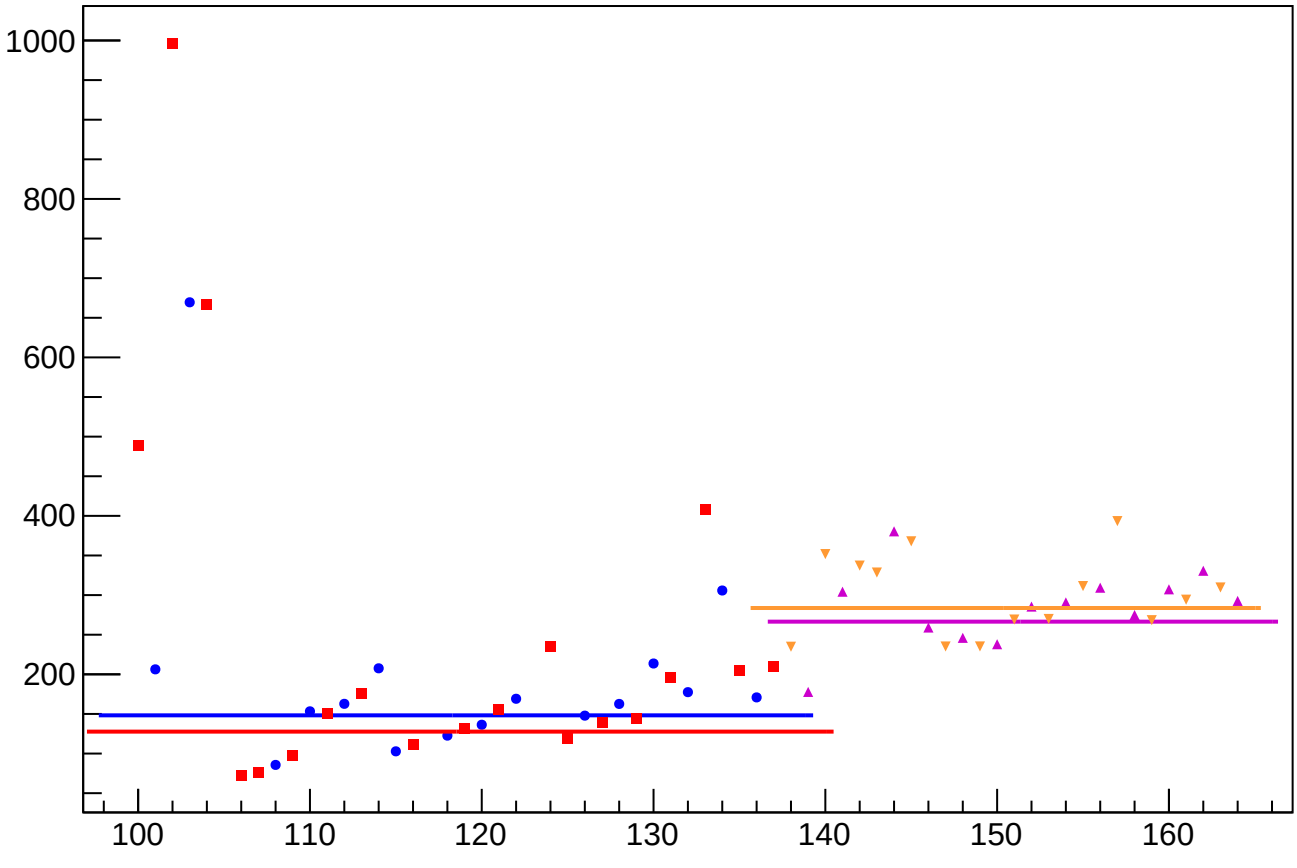
Left: -0.010+/-0.060 χ^2/NDF: 39.0/26

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.030+/-0.049 χ^2/NDF:28.8/28

Out: -0.051+/-0.046 χ^2/NDF:41.3/32

All: -0.013+/-0.034 χ^2/NDF: 71.6/61



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 283.710+/-0.061 χ^2/NDF:568257.6/13

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 266.484+/-0.059 χ^2/NDF:753170.0/12

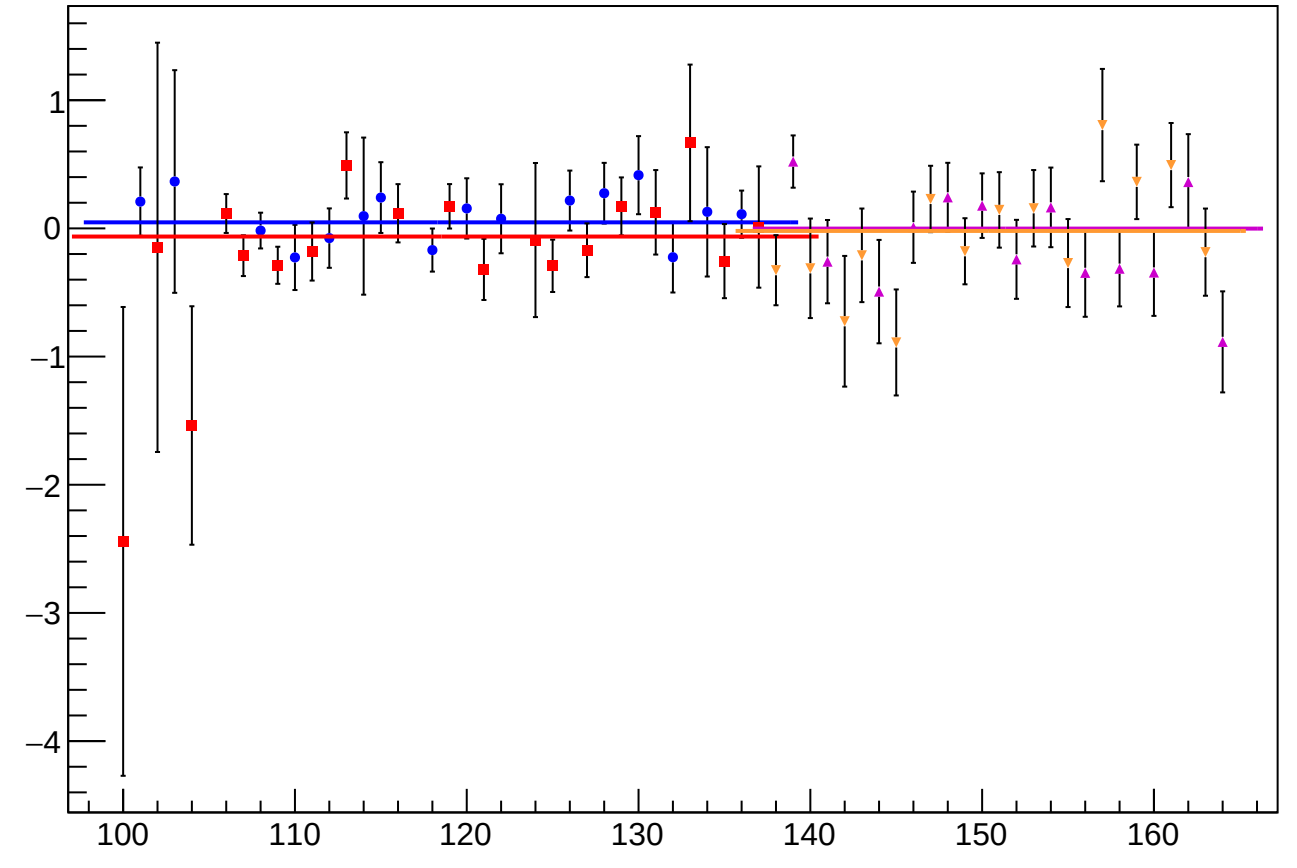
Left: 274.724+/-0.042 χ^2/NDF: 1362723.7/26

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 188.904+/-0.034 χ^2/NDF:5131858.6/28

Out: 172.157+/-0.033 χ^2/NDF:8053659.8/32

All: 180.107+/-0.024 χ^2/NDF: 13310145.3/61



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.020+/-0.087 χ^2/NDF:18.9/13

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.002+/-0.083 χ^2/NDF:20.0/12

Left: -0.010+/-0.060 χ^2/NDF: 39.0/26

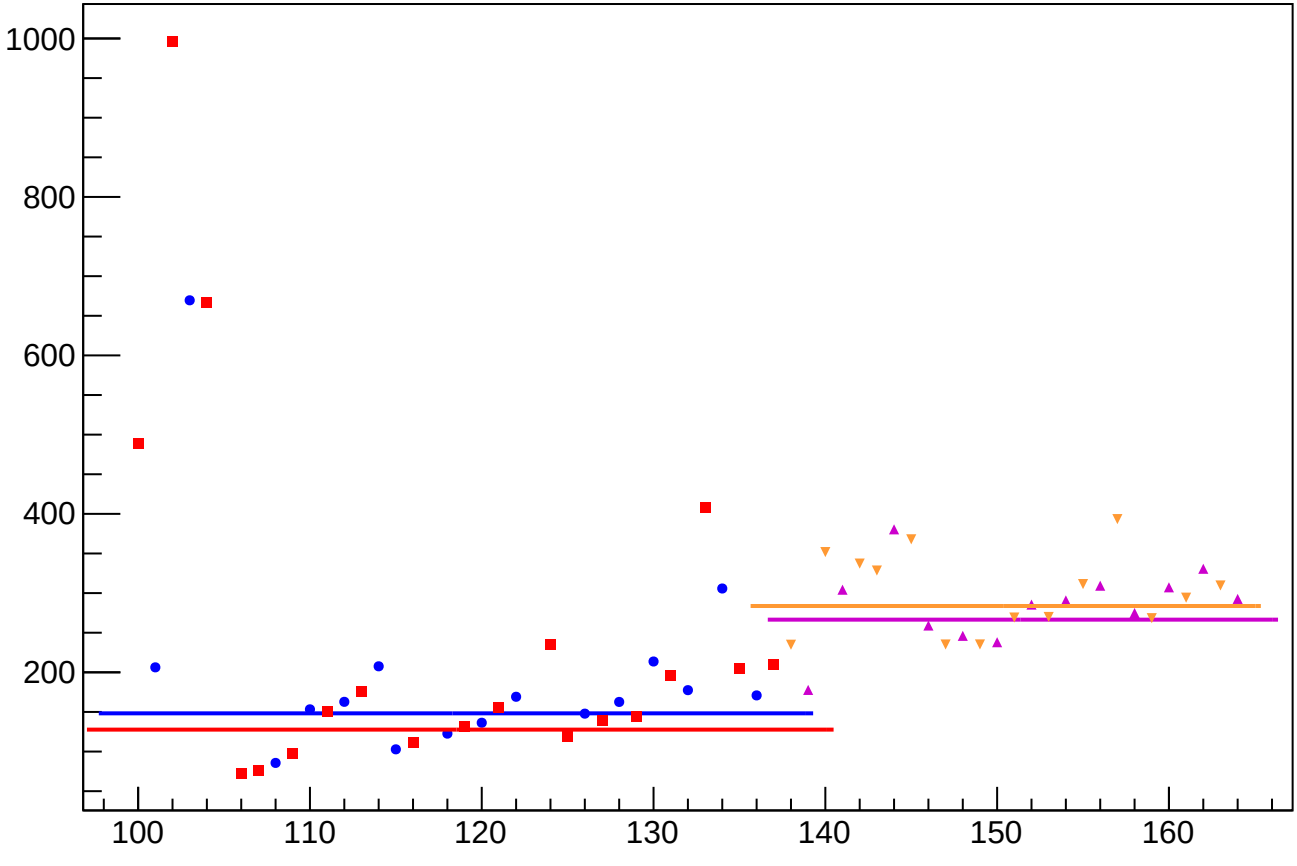
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.030+/-0.049 χ^2/NDF:28.8/28

Out: -0.051+/-0.046 χ^2/NDF:41.3/32

All: -0.013+/-0.034 χ^2/NDF: 71.6/61

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 283.710+/-0.061 χ^2/NDF:568257.6/13

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 266.484+/-0.059 χ^2/NDF:753170.0/12

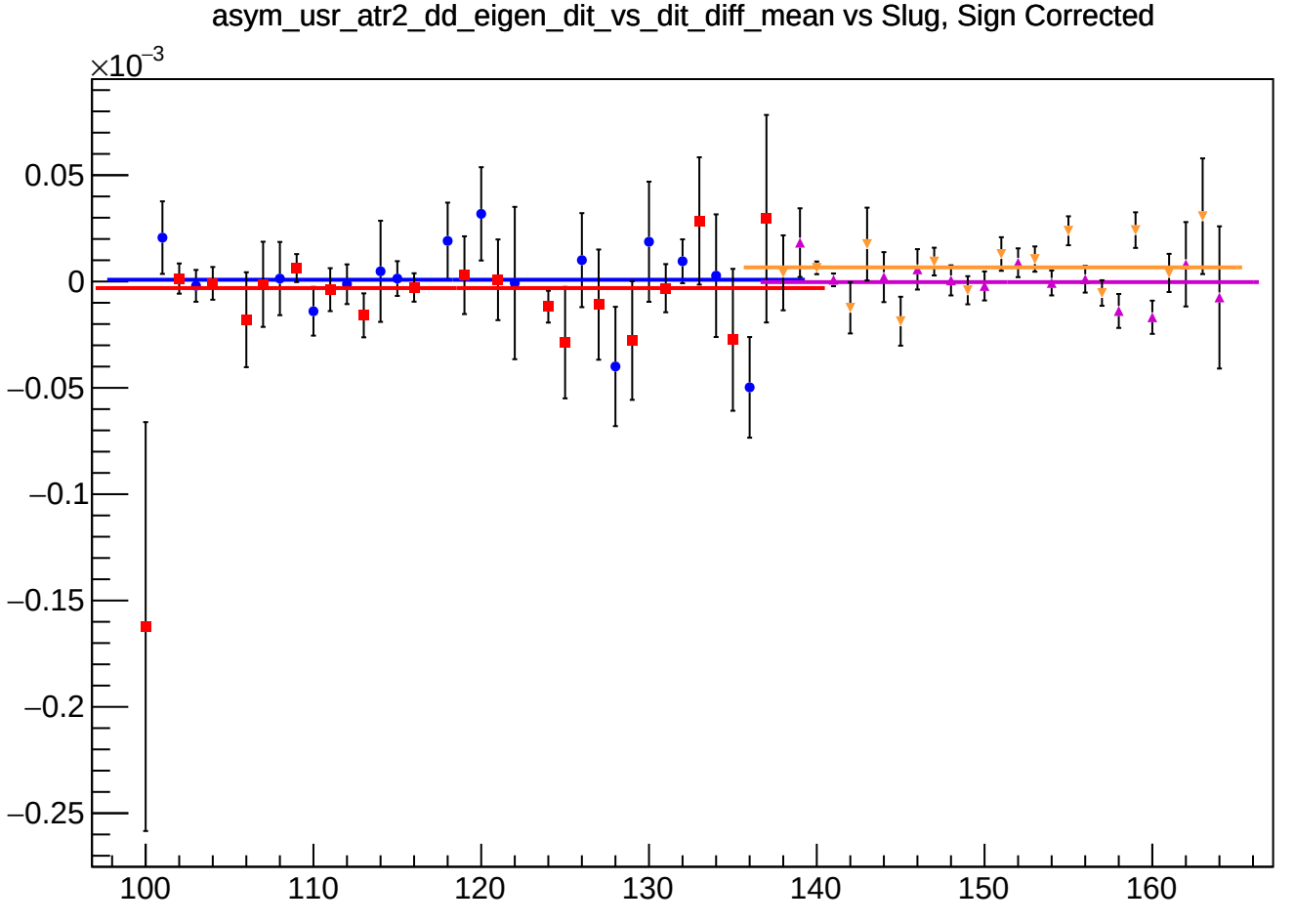
Left: 274.724+/-0.042 χ^2/NDF: 1362723.7/26

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 188.904+/-0.034 χ^2/NDF:5131858.6/28

Out: 172.157+/-0.033 χ^2/NDF:8053659.8/32

All: 180.107+/-0.024 χ^2/NDF: 13310145.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

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

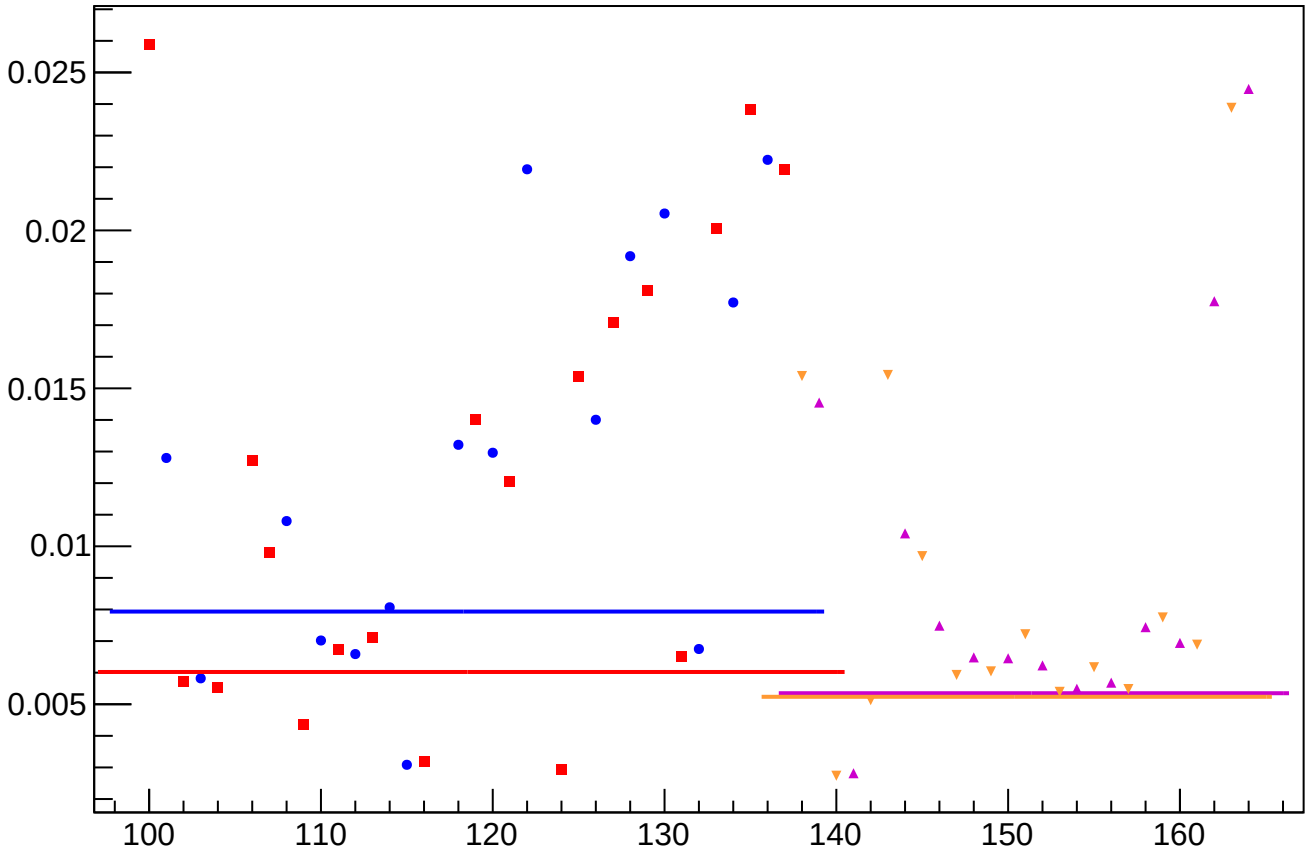
Left: 0.000+/-0.000 χ^2/NDF: 45.7/26

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/28

Out: 0.000+/-0.000 χ^2/NDF:49.2/32

All: 0.000+/-0.000 χ^2/NDF: 77.5/61



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:4477295.0/13

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:4347318.2/12

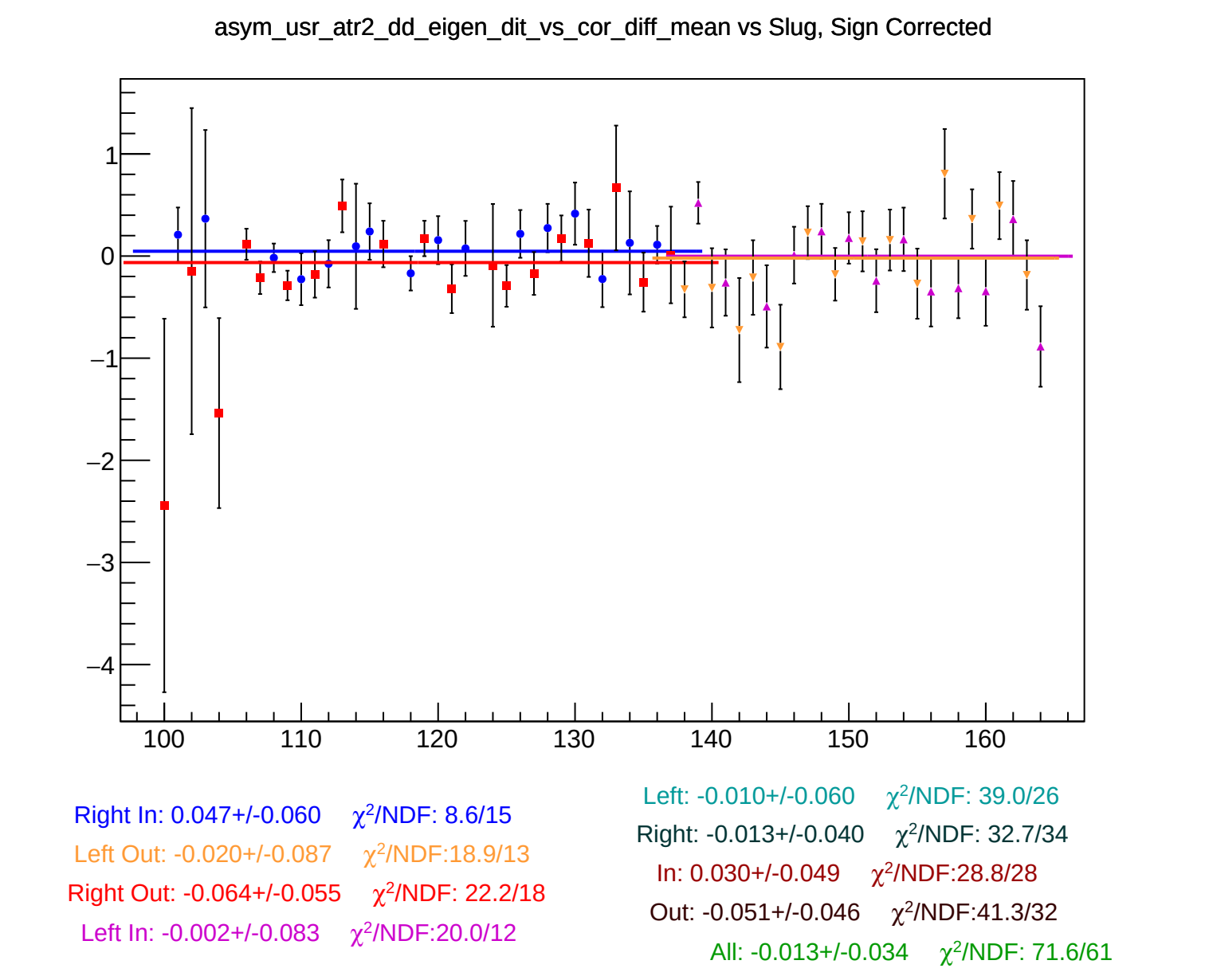
Left: 0.005+/-0.000 χ^2/NDF: 8828384.5/26

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

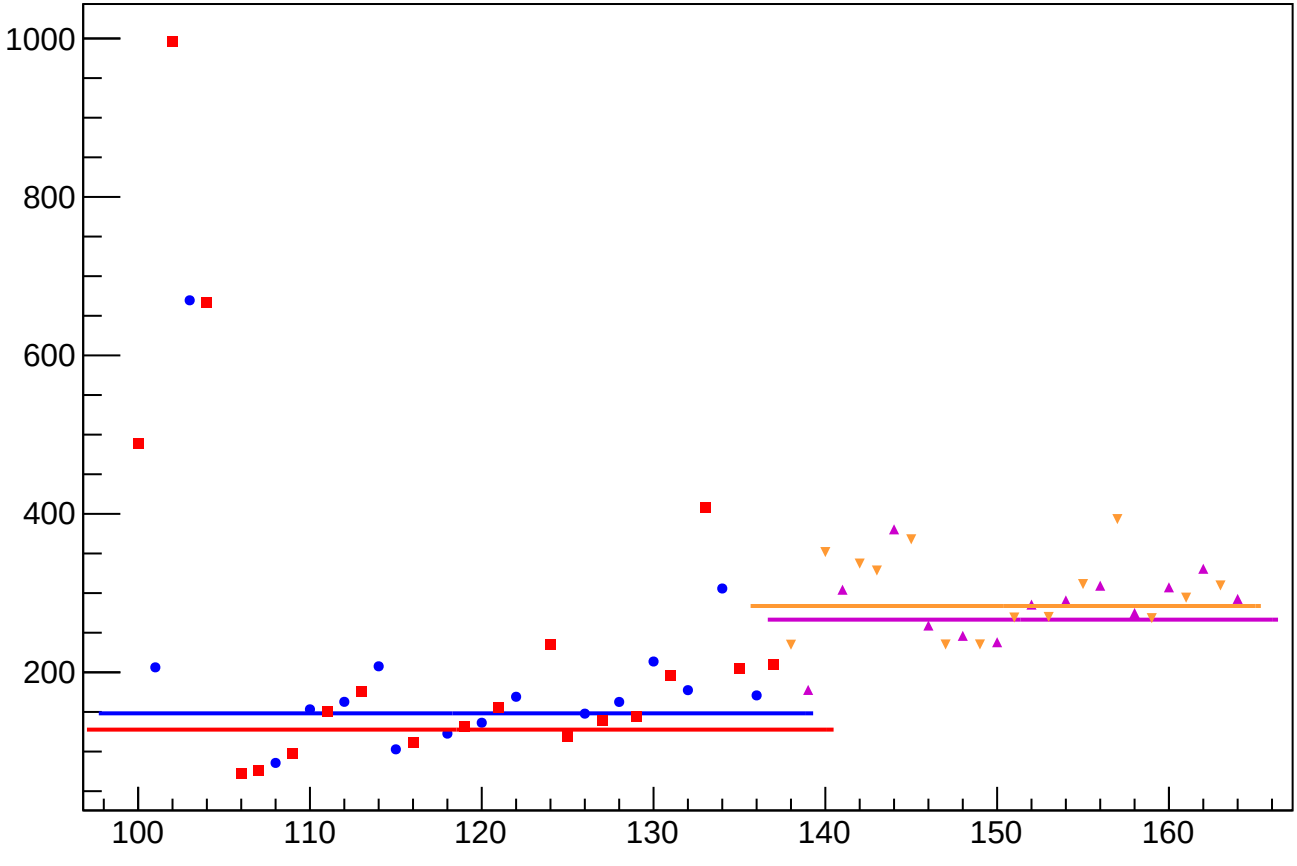
In: 0.006+/-0.000 χ^2/NDF:8788491.8/28

Out: 0.005+/-0.000 χ^2/NDF:8607185.3/32

All: 0.006+/-0.000 χ^2/NDF: 17474784.7/61


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.020+/-0.087 χ²/NDF:18.9/13
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: -0.002+/-0.083 χ²/NDF:20.0/12
Left: -0.010+/-0.060 χ²/NDF: 39.0/26
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.030+/-0.049 χ²/NDF:28.8/28
Out: -0.051+/-0.046 χ²/NDF:41.3/32
All: -0.013+/-0.034 χ²/NDF: 71.6/61

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: 283.714+/-0.061 χ^2/NDF:568231.1/13

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 266.488+/-0.059 χ^2/NDF:753141.6/12

Left: 274.728+/-0.042 χ^2/NDF: 1362670.0/26

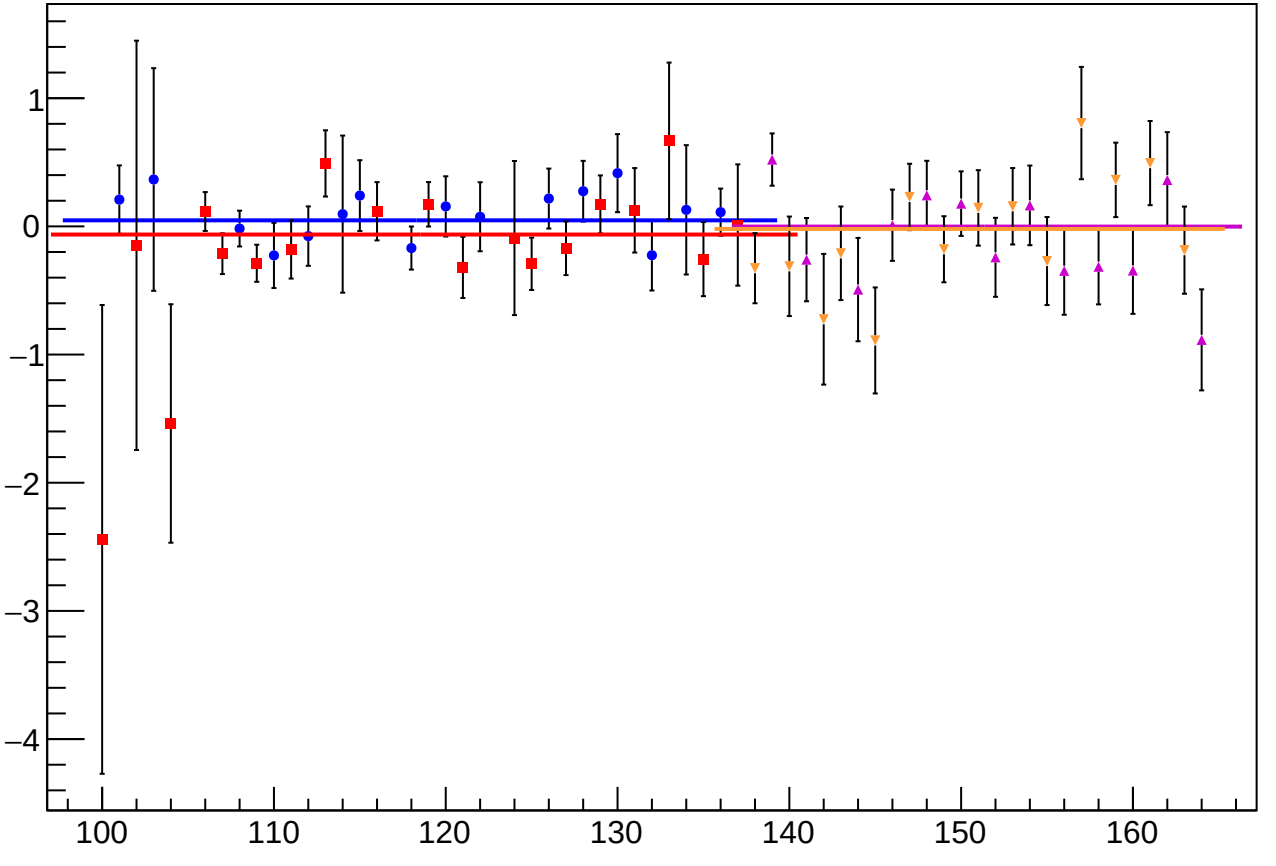
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 188.902+/-0.034 χ^2/NDF:5132156.5/28

Out: 172.157+/-0.033 χ^2/NDF:8053768.5/32

All: 180.106+/-0.024 χ^2/NDF: 13310520.6/61

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: -0.020+/-0.087 χ^2/NDF:18.9/13

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: -0.002+/-0.083 χ^2/NDF:20.0/12

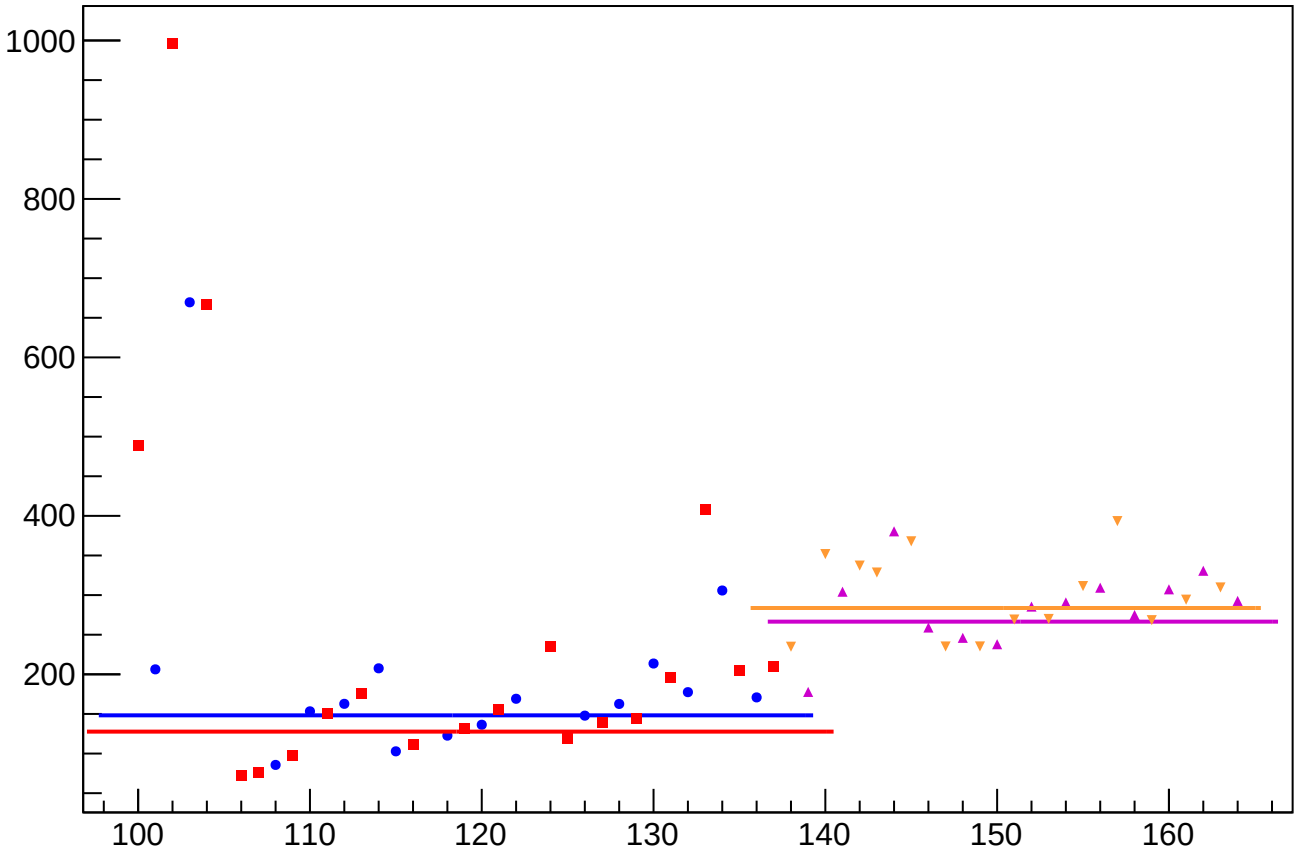
Left: -0.010+/-0.060 χ^2/NDF: 39.0/26

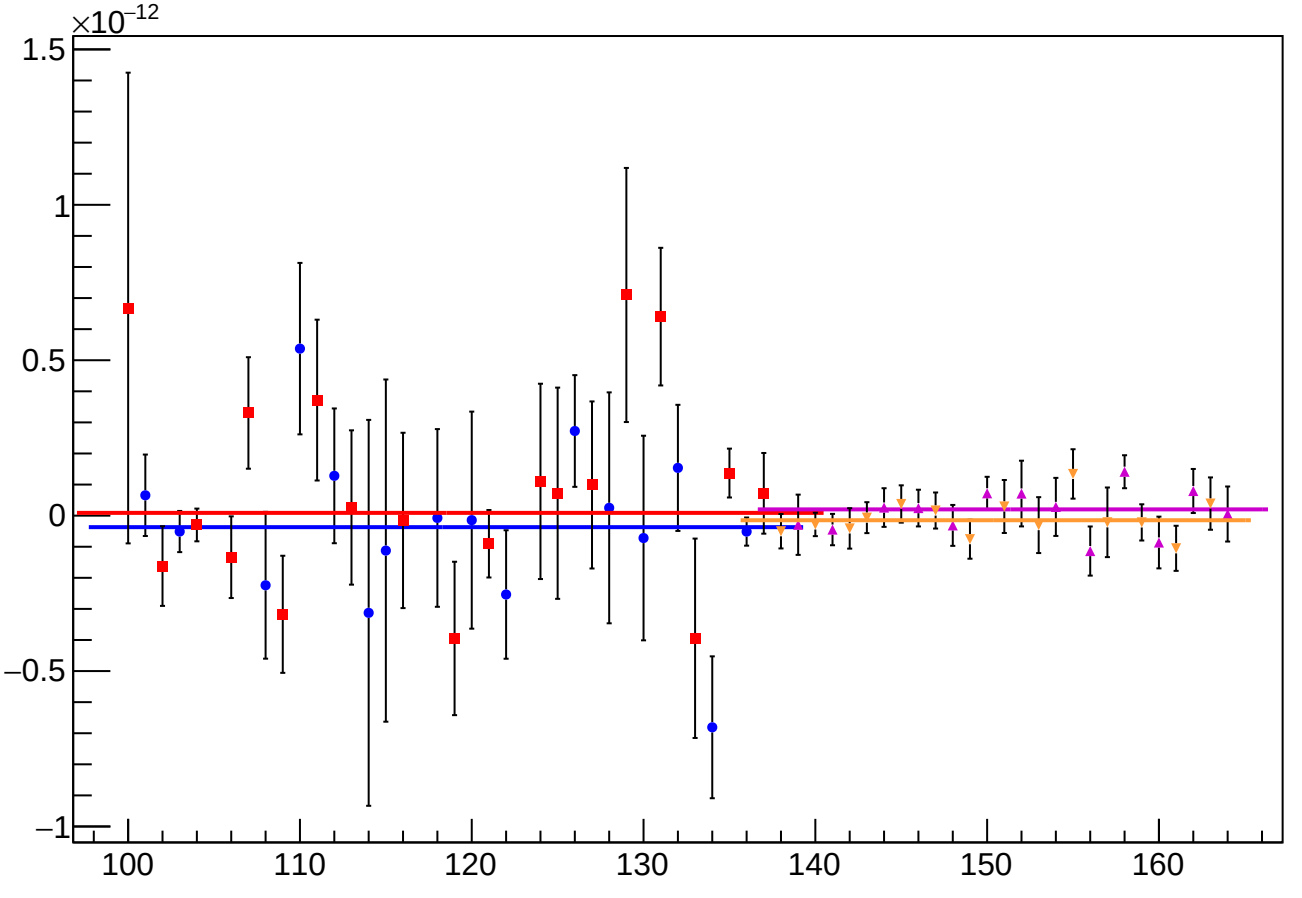
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.030+/-0.049 χ^2/NDF:28.8/28

Out: -0.051+/-0.046 χ^2/NDF:41.3/32

All: -0.013+/-0.034 χ^2/NDF: 71.6/61


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
800
600
400
200
100
110
120
130
140
150
160
Right In: 148.238+/-0.042 χ²/NDF: 1710114.4/15
Left Out: 283.714+/-0.061 χ²/NDF:568231.1/13
Right Out: 127.685+/-0.039 χ²/NDF: 2841772.5/18
Left In: 266.488+/-0.059 χ²/NDF:753141.6/12
Left: 274.728+/-0.042 χ²/NDF: 1362670.0/26
Right: 137.003+/-0.029 χ²/NDF: 4680047.3/34
In: 188.902+/-0.034 χ²/NDF:5132156.5/28
Out: 172.157+/-0.033 χ²/NDF:8053768.5/32
All: 180.106+/-0.024 χ²/NDF: 13310520.6/61



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/12

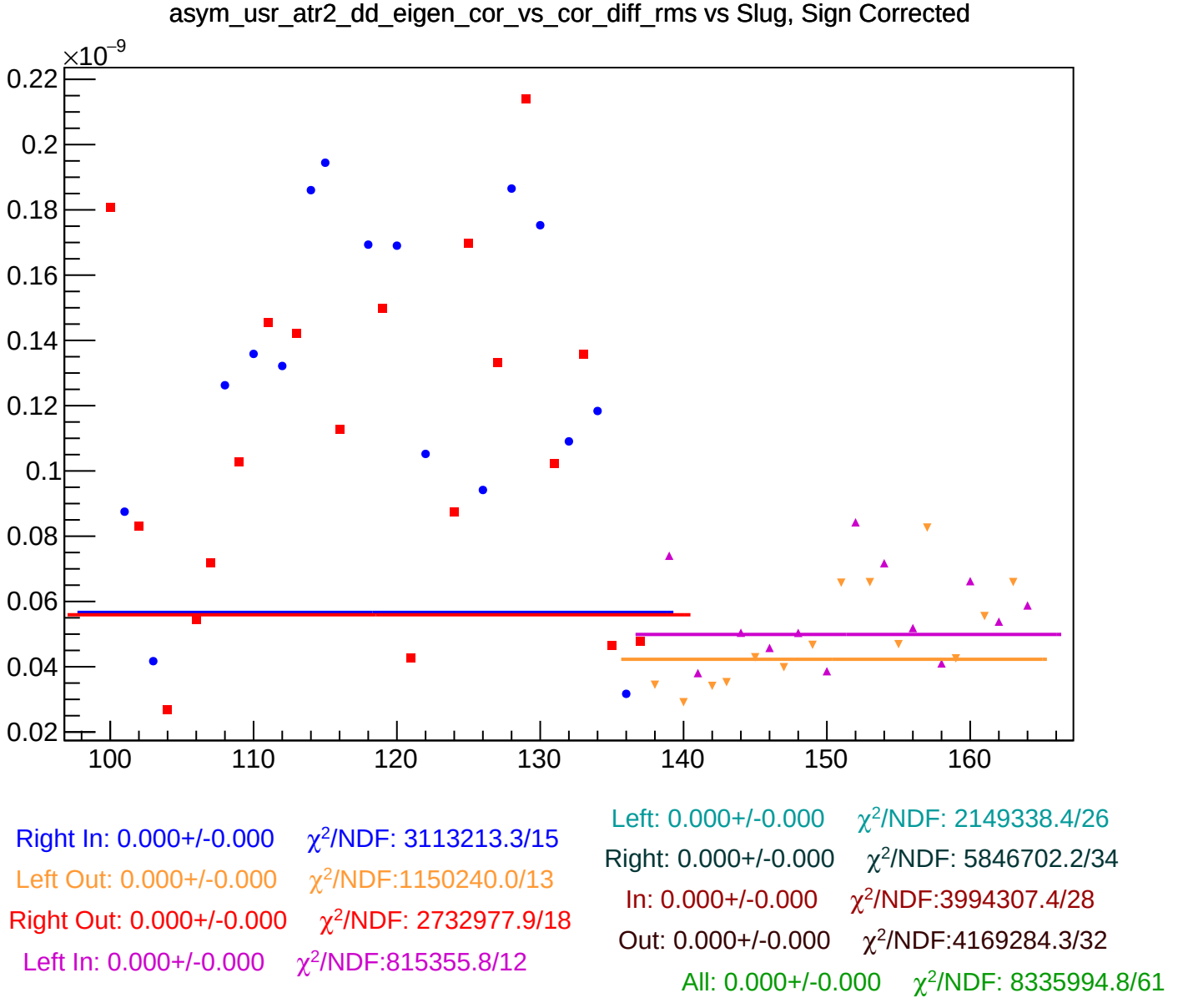
Left: 0.000+/-0.000 χ^2/NDF: 24.6/26

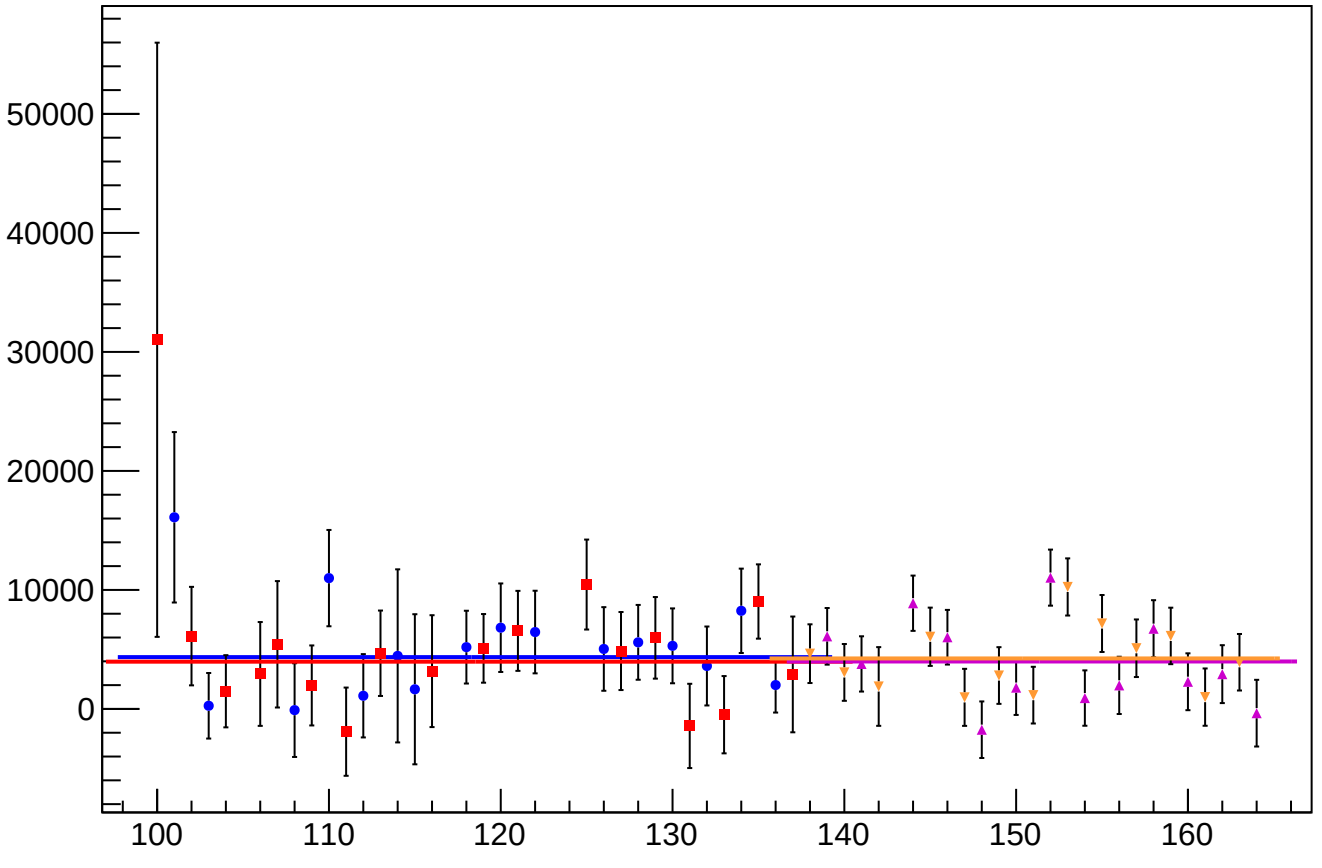
Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:36.0/28

Out: -0.000+/-0.000 χ^2/NDF:40.7/32

All: -0.000+/-0.000 χ^2/NDF: 77.2/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1150240.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:815355.8/12
Left: 0.000+/-0.000 χ²/NDF: 2149338.4/26
Right: 0.000+/-0.000 χ²/NDF: 5846702.2/34
In: 0.000+/-0.000 χ²/NDF:3994307.4/28
Out: 0.000+/-0.000 χ²/NDF:4169284.3/32
All: 0.000+/-0.000 χ²/NDF: 8335994.8/61



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4243.340+/-678.694 χ^2/NDF:15.6/12

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 3987.345+/-661.247 χ^2/NDF:28.6/12

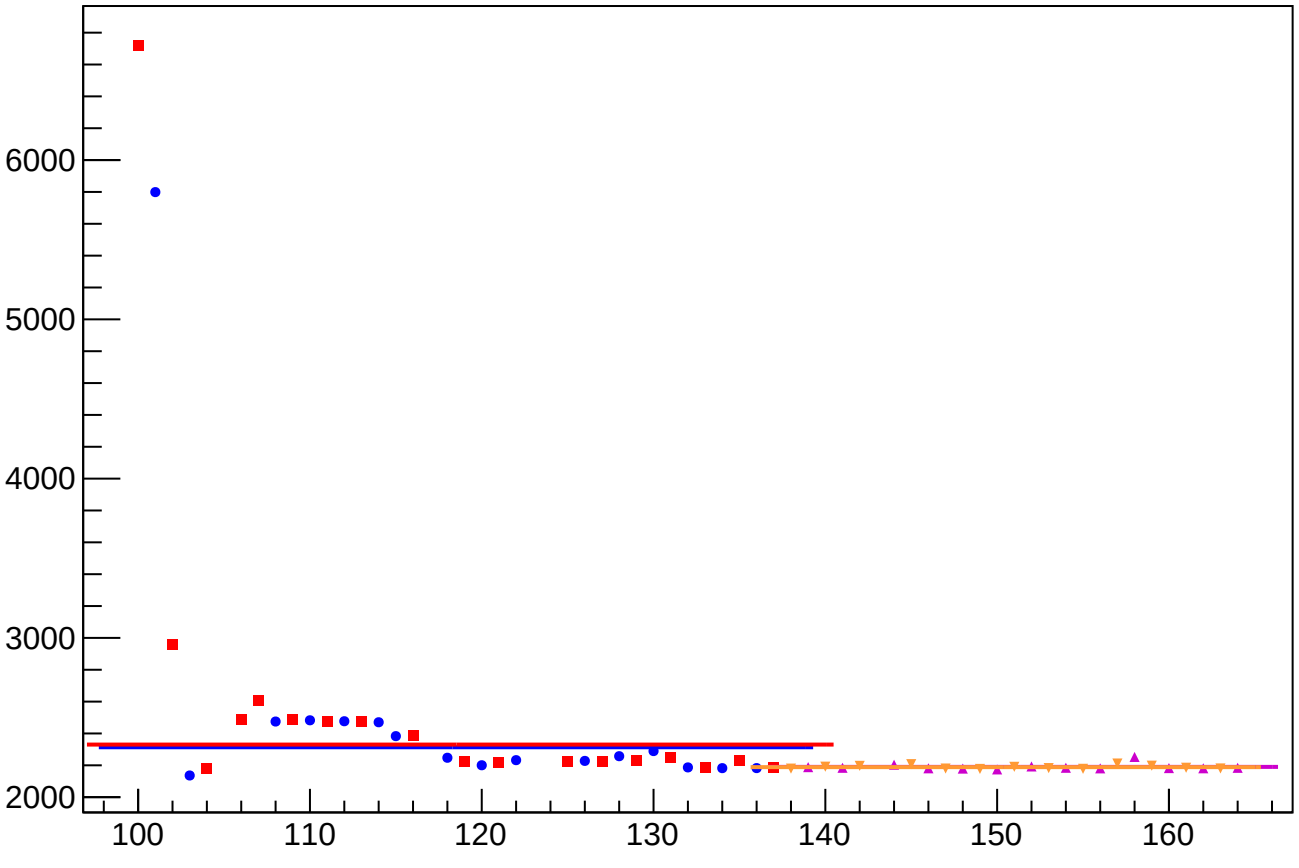
Left: 4112.010+/-473.620 χ^2/NDF: 44.2/25

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4120.723+/-527.582 χ^2/NDF:42.1/28

Out: 4140.754+/-535.427 χ^2/NDF:31.8/30

All: 4130.590+/-375.800 χ^2/NDF: 73.9/59



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.596+/-0.480 χ^2/NDF:518.1/12

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2190.131+/-0.468 χ^2/NDF:1701.6/12

Left: 2189.384+/-0.335 χ^2/NDF: 2224.9/25

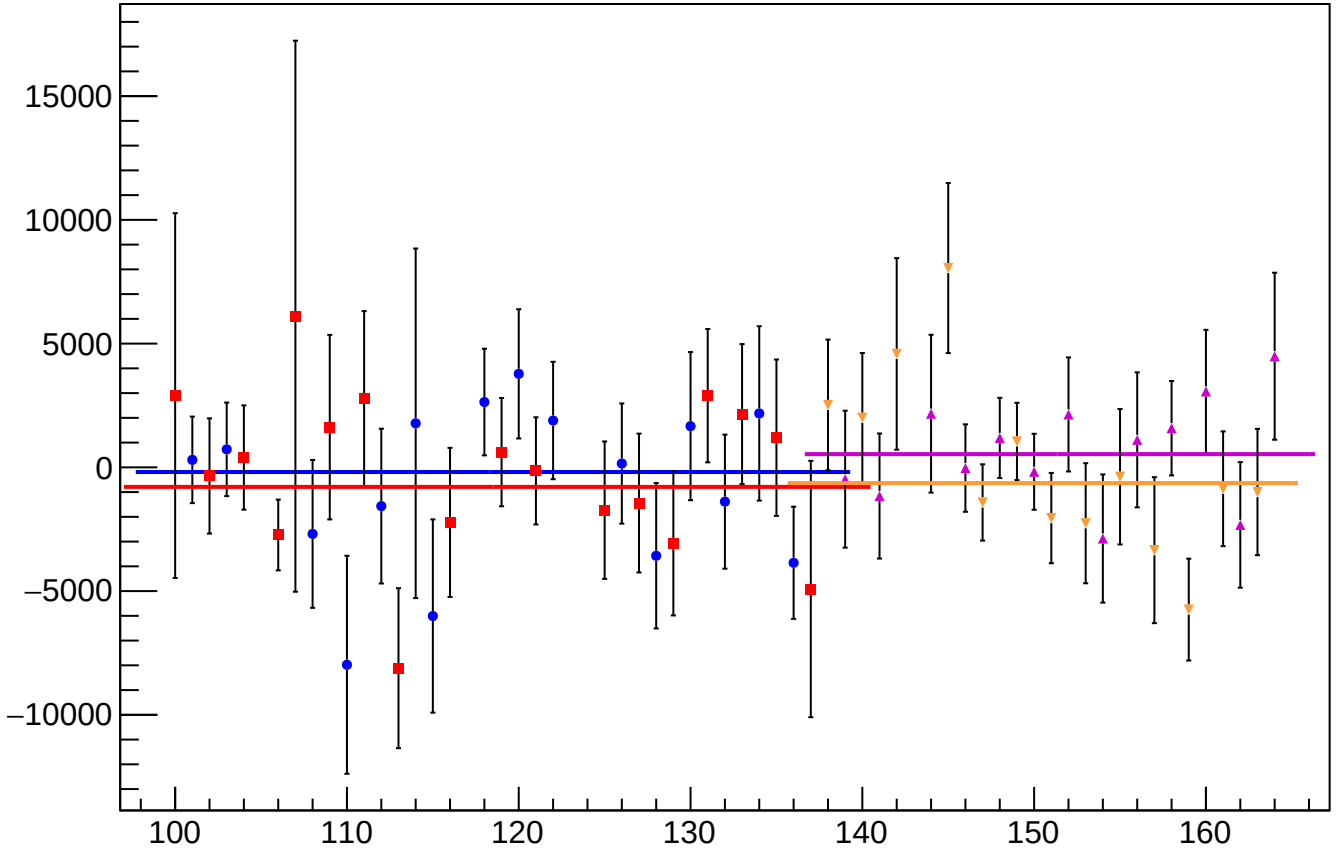
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2234.934+/-0.373 χ^2/NDF:539337.9/28

Out: 2242.070+/-0.379 χ^2/NDF:184605.8/30

All: 2238.449+/-0.266 χ^2/NDF: 724123.9/59

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: -635.477+/-624.091 χ^2/NDF:20.2/12

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 535.000+/-612.832 χ^2/NDF:7.6/12

Left: -39.584+/-437.264 χ^2/NDF: 29.6/25

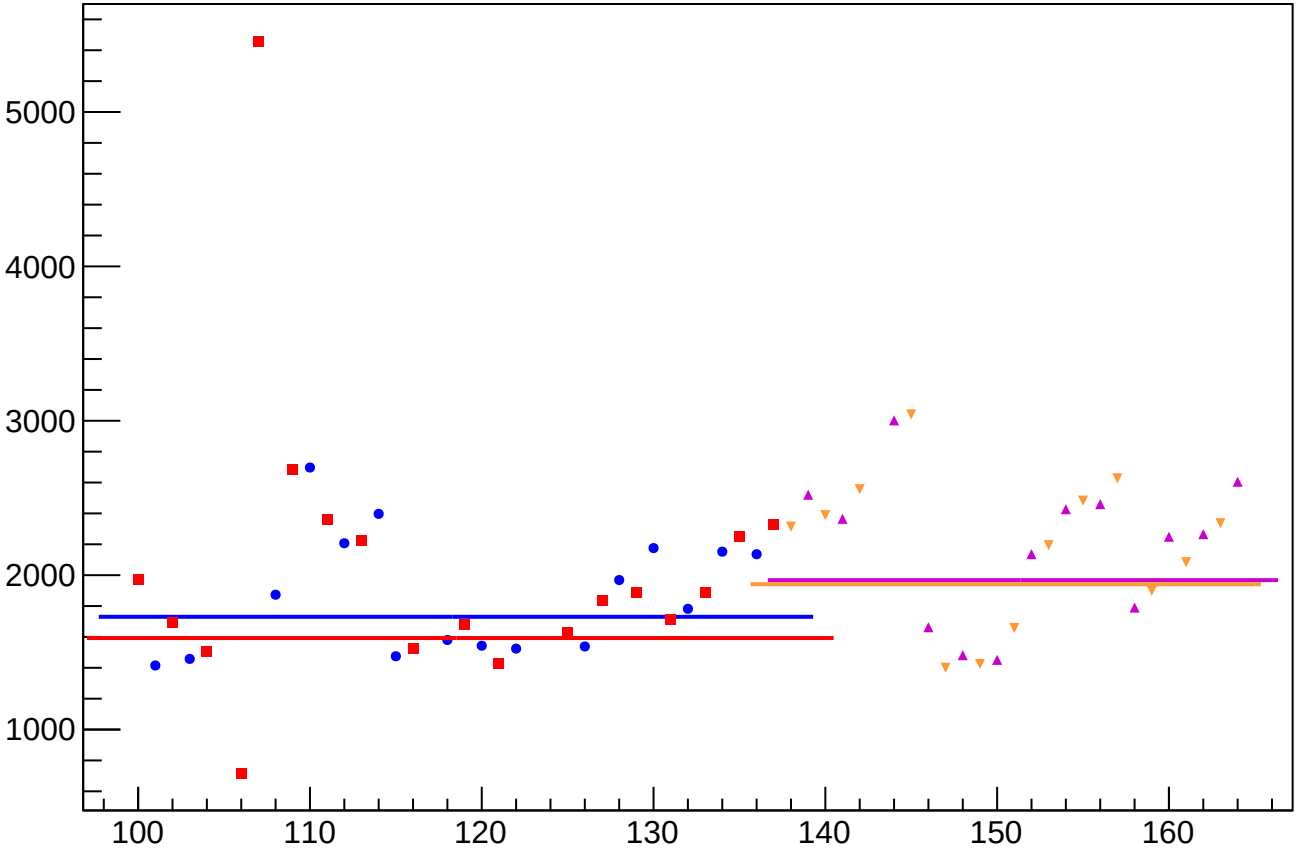
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 199.041+/-448.562 χ^2/NDF:24.7/28

Out: -711.076+/-445.071 χ^2/NDF:35.1/30

All: -259.572+/-315.940 χ^2/NDF: 61.9/59

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: 1941.058+/-0.441 χ^2/NDF:1132239.7/12

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1967.703+/-0.433 χ^2/NDF:1086756.0/12

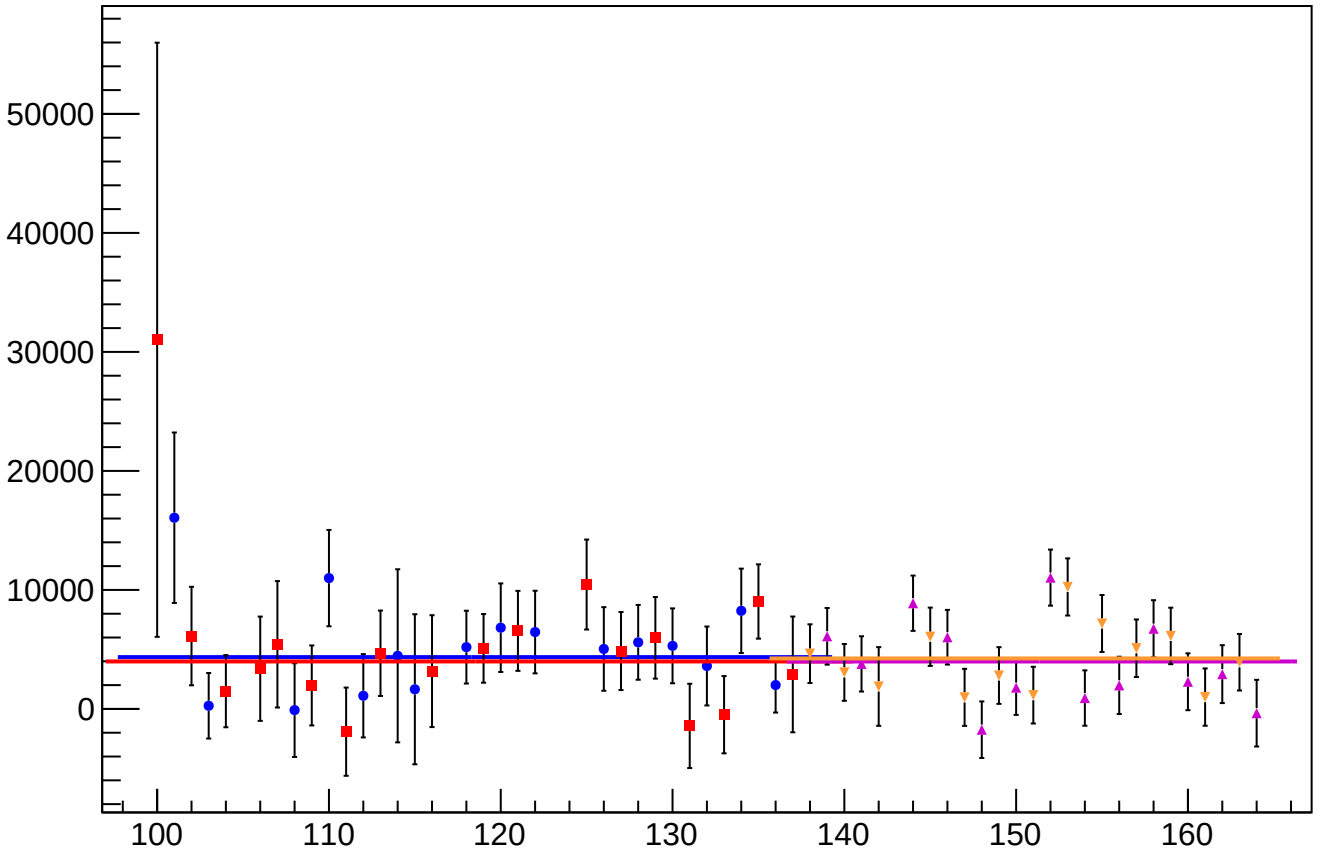
Left: 1954.623+/-0.309 χ^2/NDF: 2220851.6/25

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1857.483+/-0.317 χ^2/NDF:1705040.7/28

Out: 1769.930+/-0.315 χ^2/NDF:2994446.5/30

All: 1813.365+/-0.223 χ^2/NDF: 4737881.7/59



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4243.246+/-678.694 χ^2/NDF:15.6/12

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 3987.493+/-661.247 χ^2/NDF:28.6/12

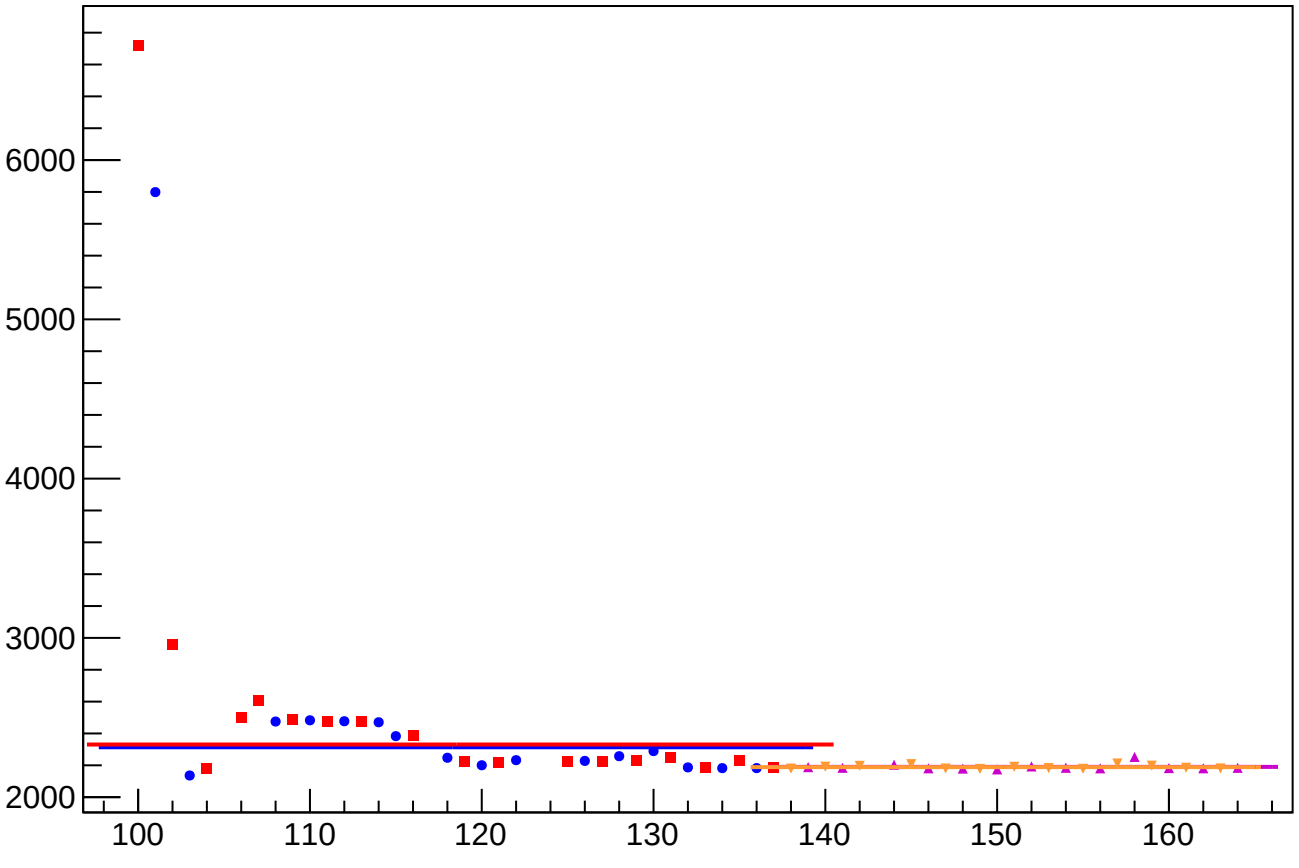
Left: 4112.040+/-473.620 χ^2/NDF: 44.2/25

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4120.569+/-527.582 χ^2/NDF:42.0/28

Out: 4147.591+/-535.462 χ^2/NDF:31.8/30

All: 4133.880+/-375.812 χ^2/NDF: 73.8/59



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.596+/-0.480 χ^2/NDF:518.1/12

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.131+/-0.468 χ^2/NDF:1701.6/12

Left: 2189.384+/-0.335 χ^2/NDF: 2224.9/25

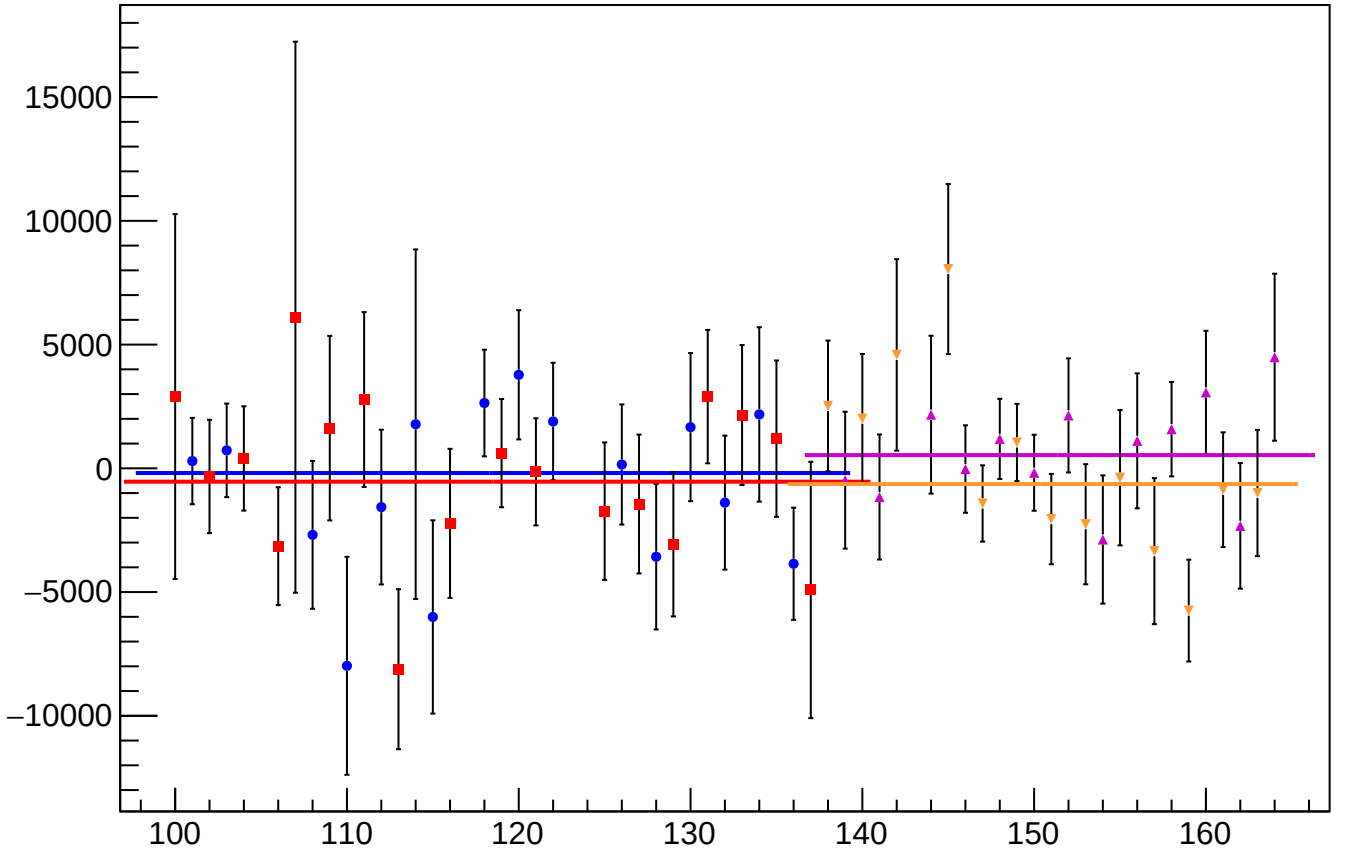
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2234.934+/-0.373 χ^2/NDF:539338.3/28

Out: 2242.198+/-0.379 χ^2/NDF:185116.5/30

All: 2238.512+/-0.266 χ^2/NDF: 724641.6/59

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -635.648+/-624.092 χ^2/NDF:20.2/12

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 535.139+/-612.833 χ^2/NDF:7.6/12

Left: -39.598+/-437.265 χ^2/NDF: 29.6/25

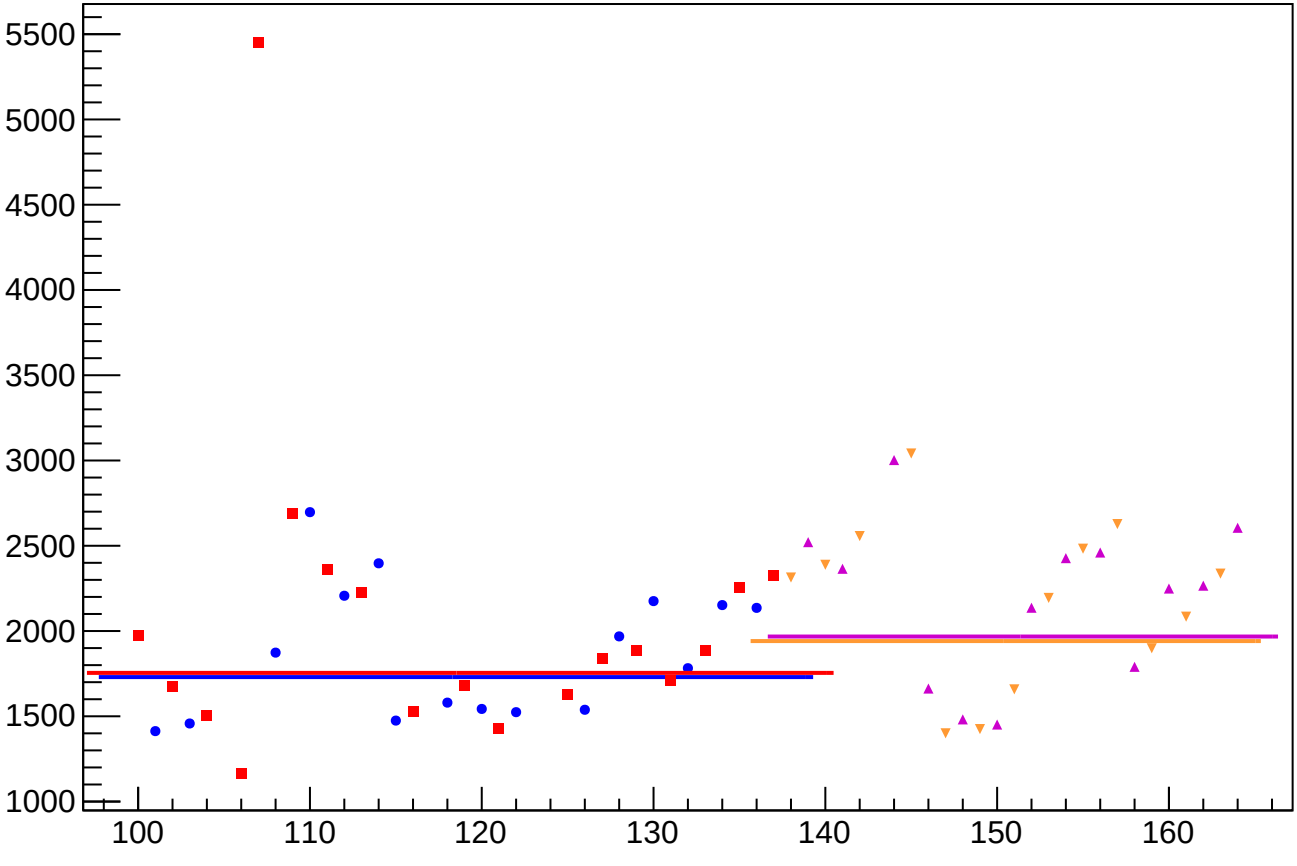
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 198.532+/-448.522 χ^2/NDF:24.6/28

Out: -591.570+/-459.243 χ^2/NDF:34.1/30

All: -187.188+/-320.876 χ^2/NDF: 60.3/59

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: 1941.061+/-0.441 χ^2/NDF:1132281.0/12

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1967.707+/-0.433 χ^2/NDF:1086776.0/12

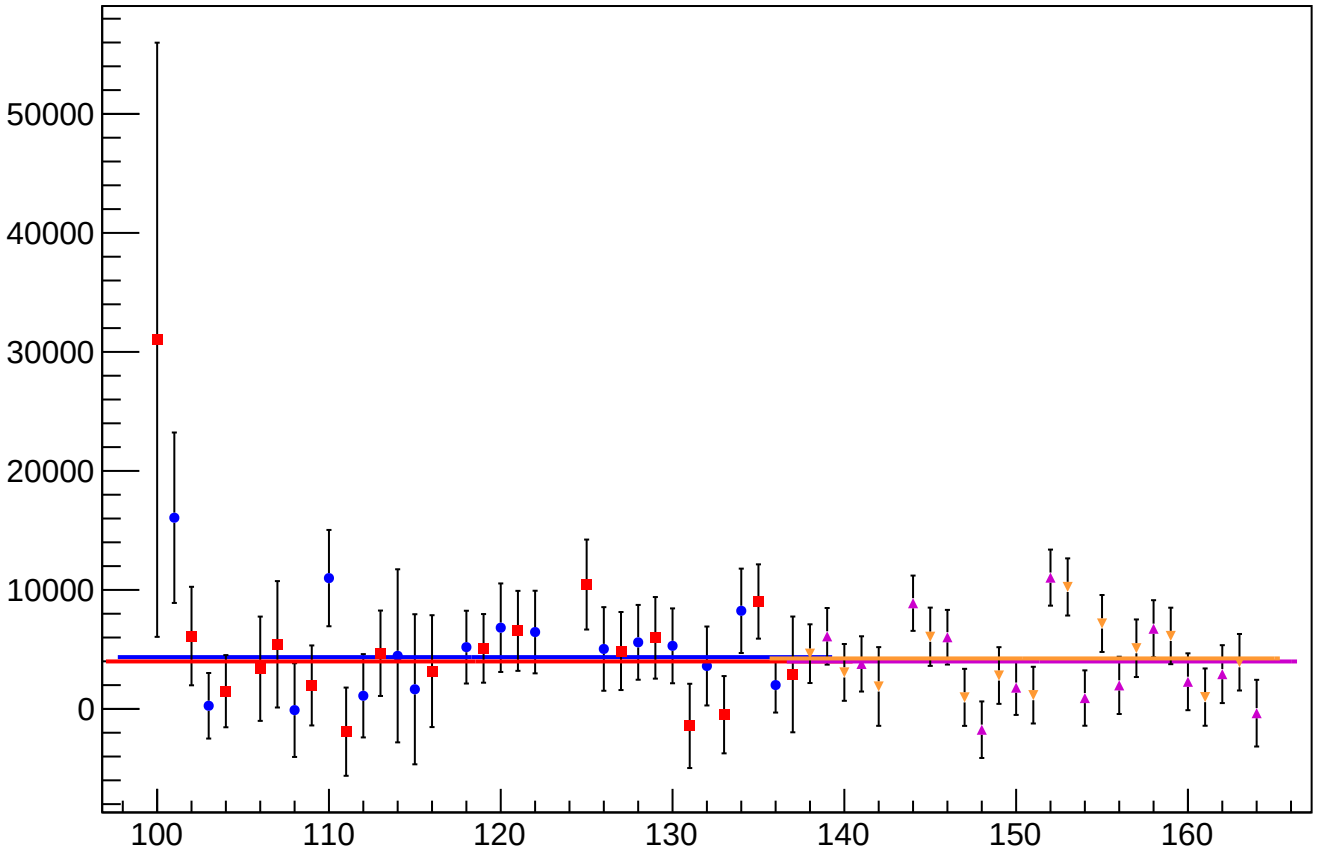
Left: 1954.626+/-0.309 χ^2/NDF: 2220913.2/25

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1857.281+/-0.317 χ^2/NDF:1706518.5/28

Out: 1855.532+/-0.325 χ^2/NDF:1965213.2/30

All: 1856.427+/-0.227 χ^2/NDF: 3671746.6/59



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4243.246+/-678.694 χ^2/NDF:15.6/12

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 3987.493+/-661.247 χ^2/NDF:28.6/12

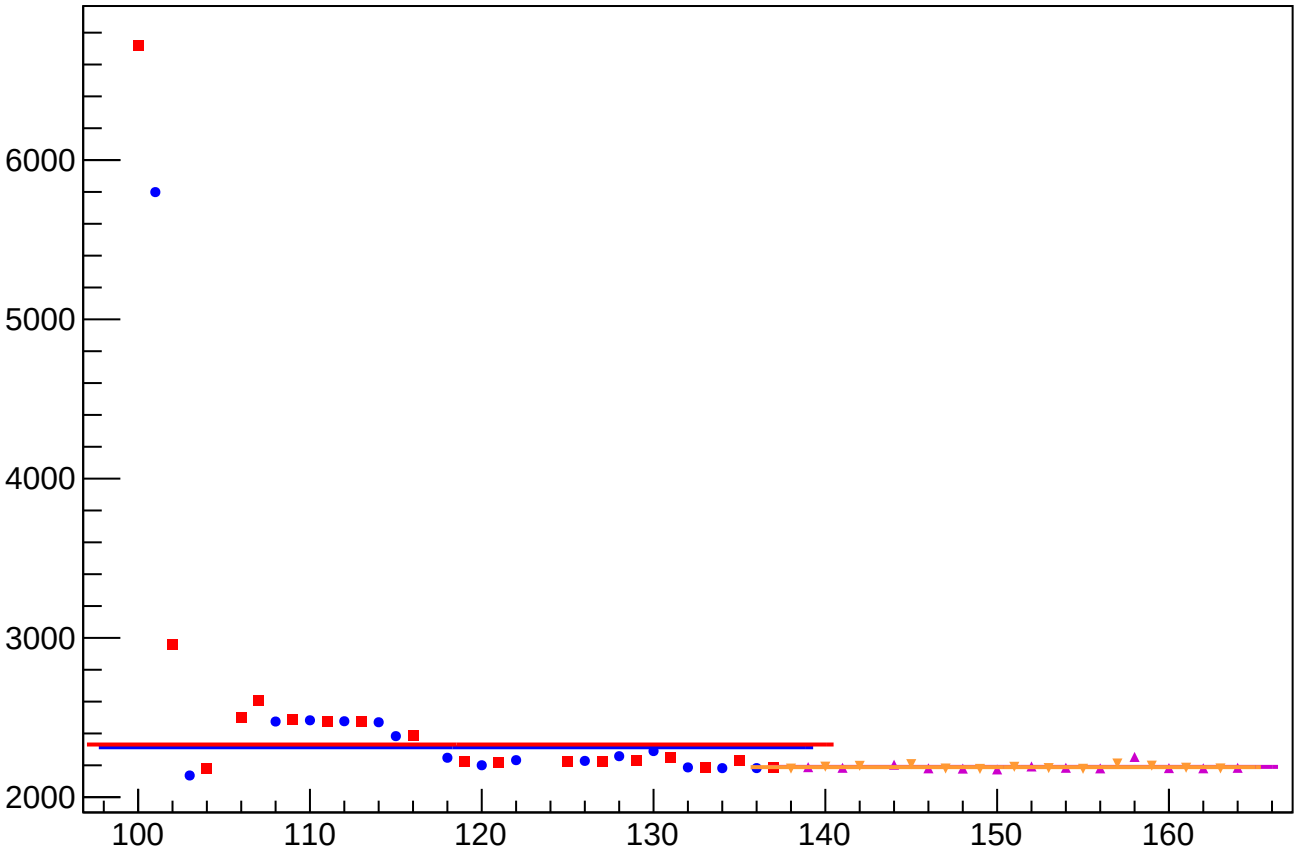
Left: 4112.040+/-473.620 χ^2/NDF: 44.2/25

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4120.569+/-527.582 χ^2/NDF:42.0/28

Out: 4147.591+/-535.462 χ^2/NDF:31.8/30

All: 4133.880+/-375.812 χ^2/NDF: 73.8/59



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.596+/-0.480 χ^2/NDF:518.1/12

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.131+/-0.468 χ^2/NDF:1701.6/12

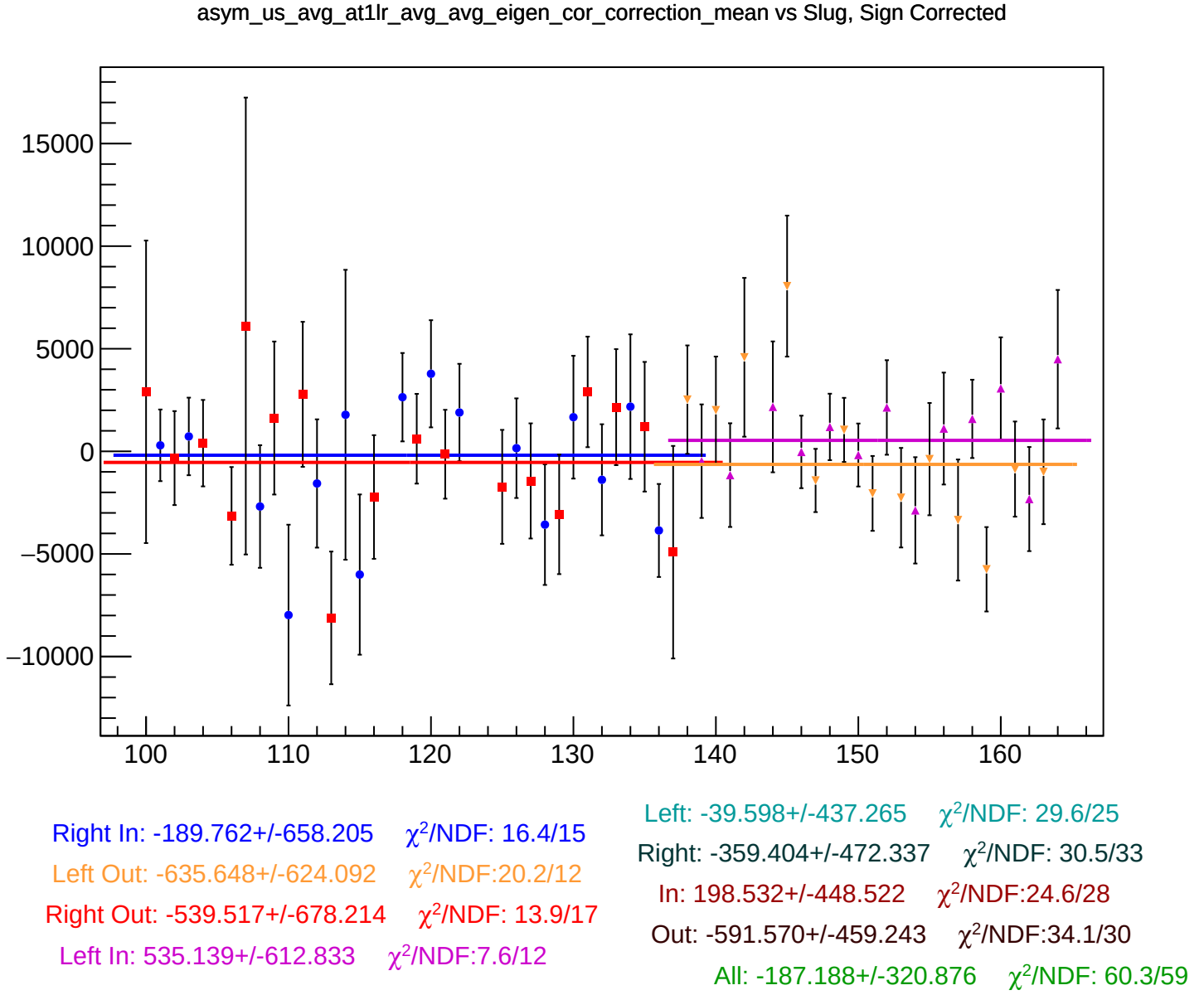
Left: 2189.384+/-0.335 χ^2/NDF: 2224.9/25

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

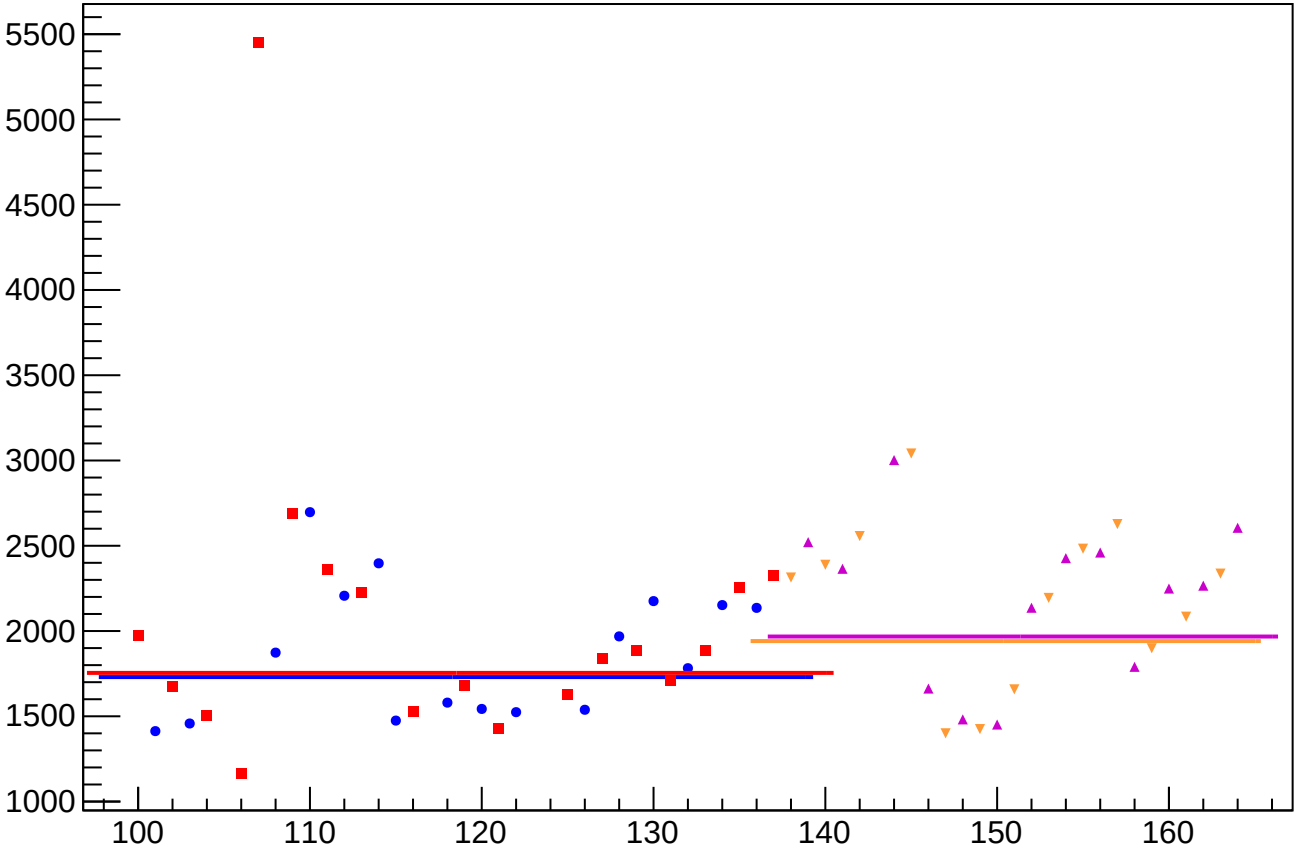
In: 2234.934+/-0.373 χ^2/NDF:539338.3/28

Out: 2242.198+/-0.379 χ^2/NDF:185116.5/30

All: 2238.512+/-0.266 χ^2/NDF: 724641.6/59


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -635.648+/-624.092 χ²/NDF:20.2/12
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 535.139+/-612.833 χ²/NDF:7.6/12
Left: -39.598+/-437.265 χ²/NDF: 29.6/25
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 198.532+/-448.522 χ²/NDF:24.6/28
Out: -591.570+/-459.243 χ²/NDF:34.1/30
All: -187.188+/-320.876 χ²/NDF: 60.3/59

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: 1941.061+/-0.441 χ^2/NDF:1132281.0/12

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1967.707+/-0.433 χ^2/NDF:1086776.0/12

Left: 1954.626+/-0.309 χ^2/NDF: 2220913.2/25

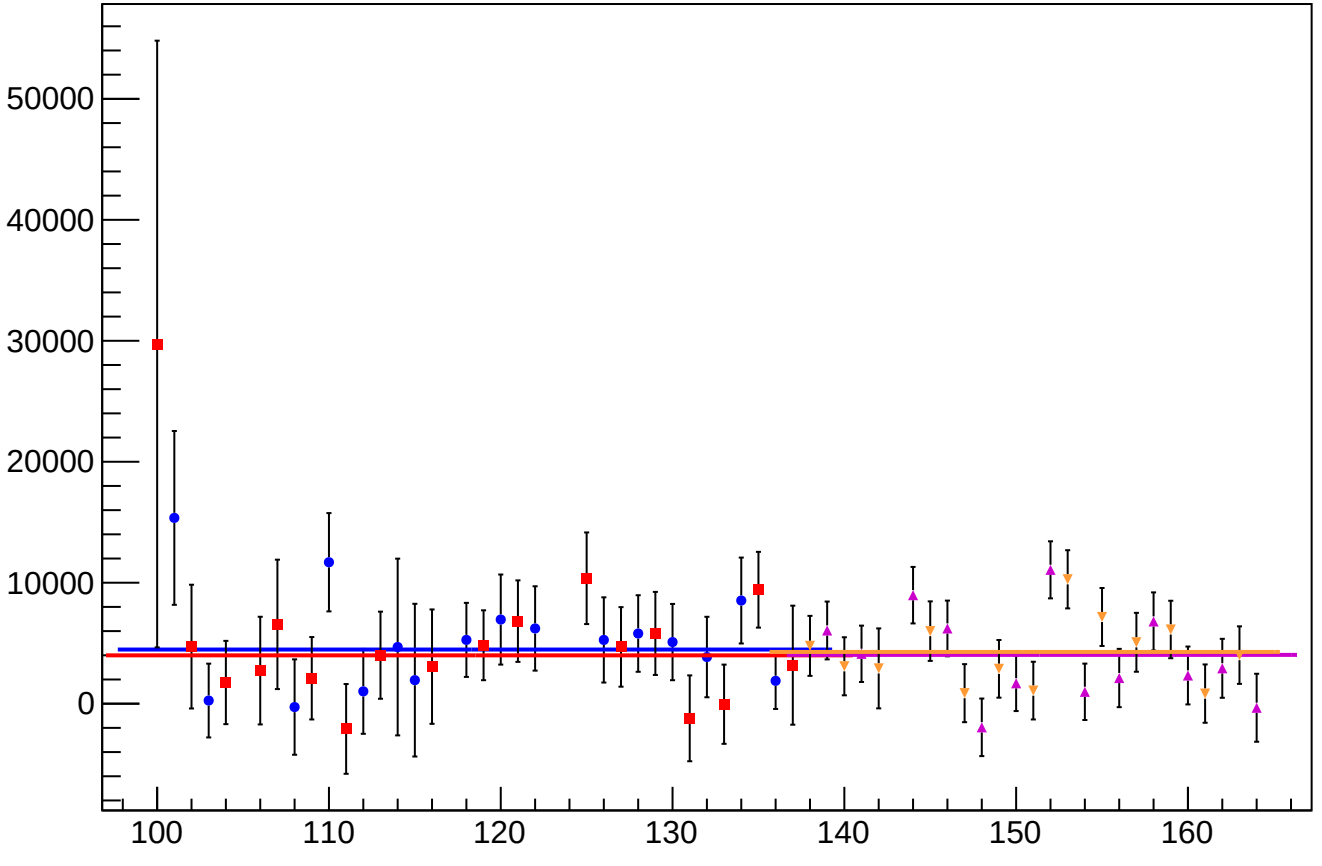
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1857.281+/-0.317 χ^2/NDF:1706518.5/28

Out: 1855.532+/-0.325 χ^2/NDF:1965213.2/30

All: 1856.427+/-0.227 χ^2/NDF: 3671746.6/59

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: 4278.525+/-680.365 χ^2/NDF:15.6/12

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4033.403+/-662.786 χ^2/NDF:29.2/12

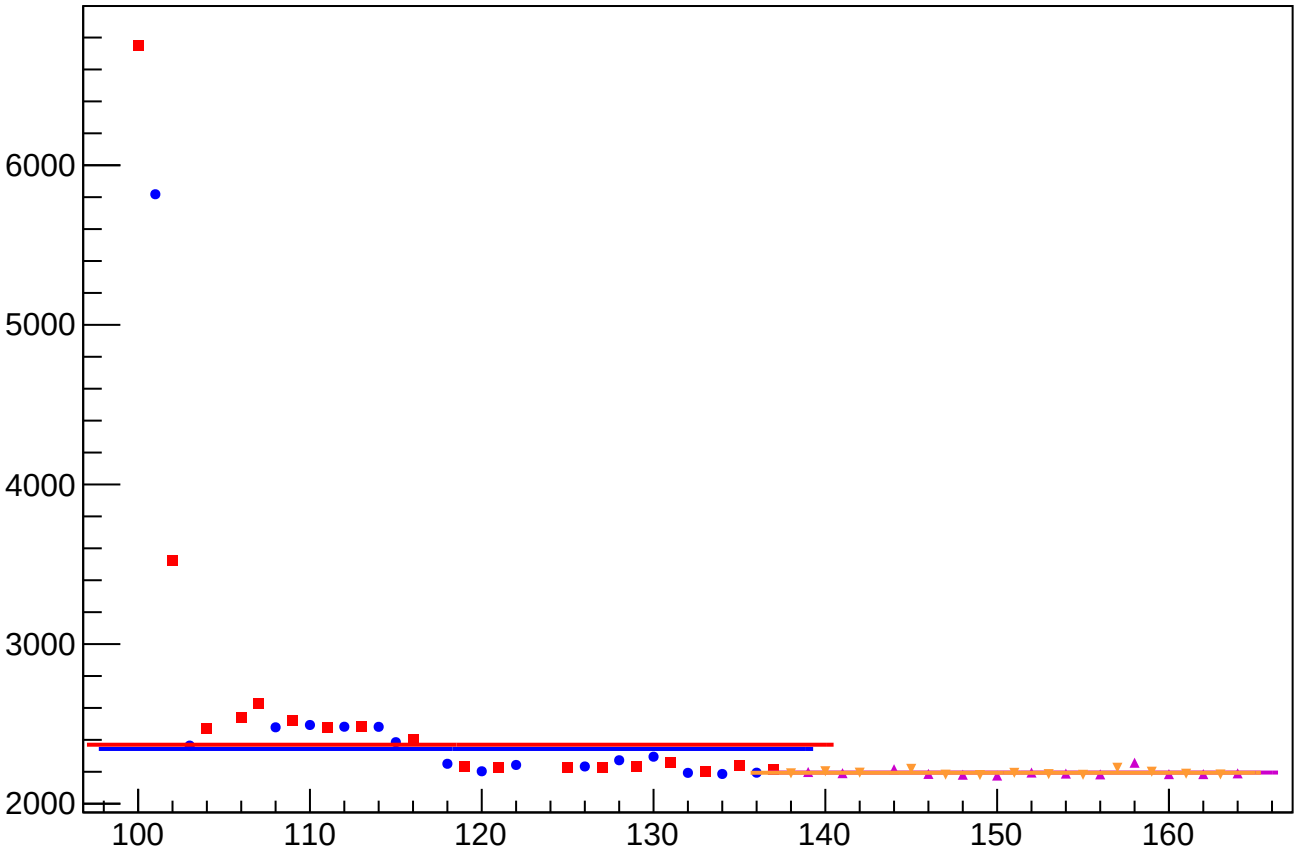
Left: 4152.756+/-474.754 χ^2/NDF: 44.8/25

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4192.346+/-530.740 χ^2/NDF:42.9/28

Out: 4174.312+/-540.618 χ^2/NDF:31.1/30

All: 4183.495+/-378.734 χ^2/NDF: 74.0/59



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.881+/-0.481 χ^2/NDF:835.3/12

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2195.157+/-0.469 χ^2/NDF:1839.6/12

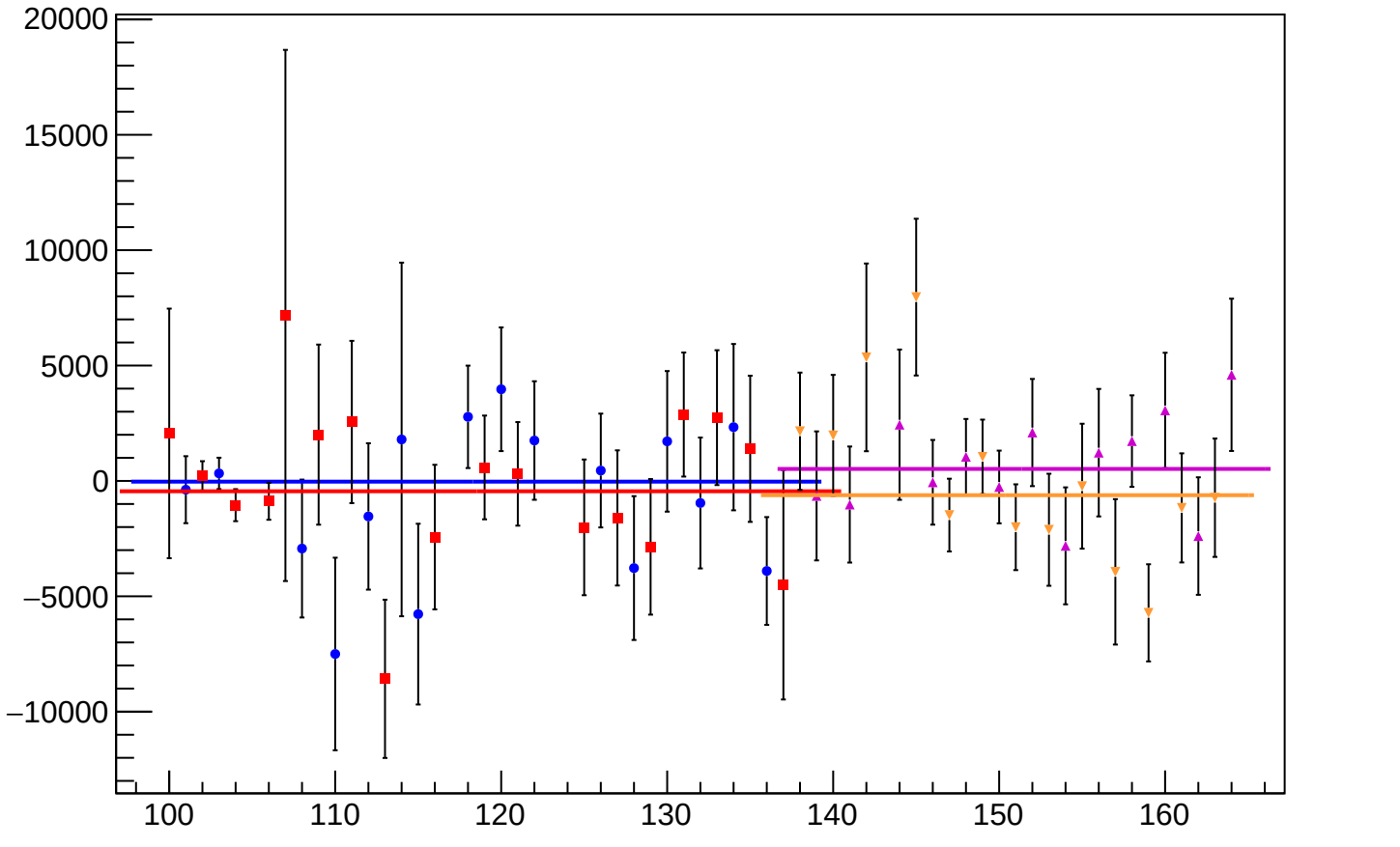
Left: 2194.535+/-0.336 χ^2/NDF: 2678.5/25

Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

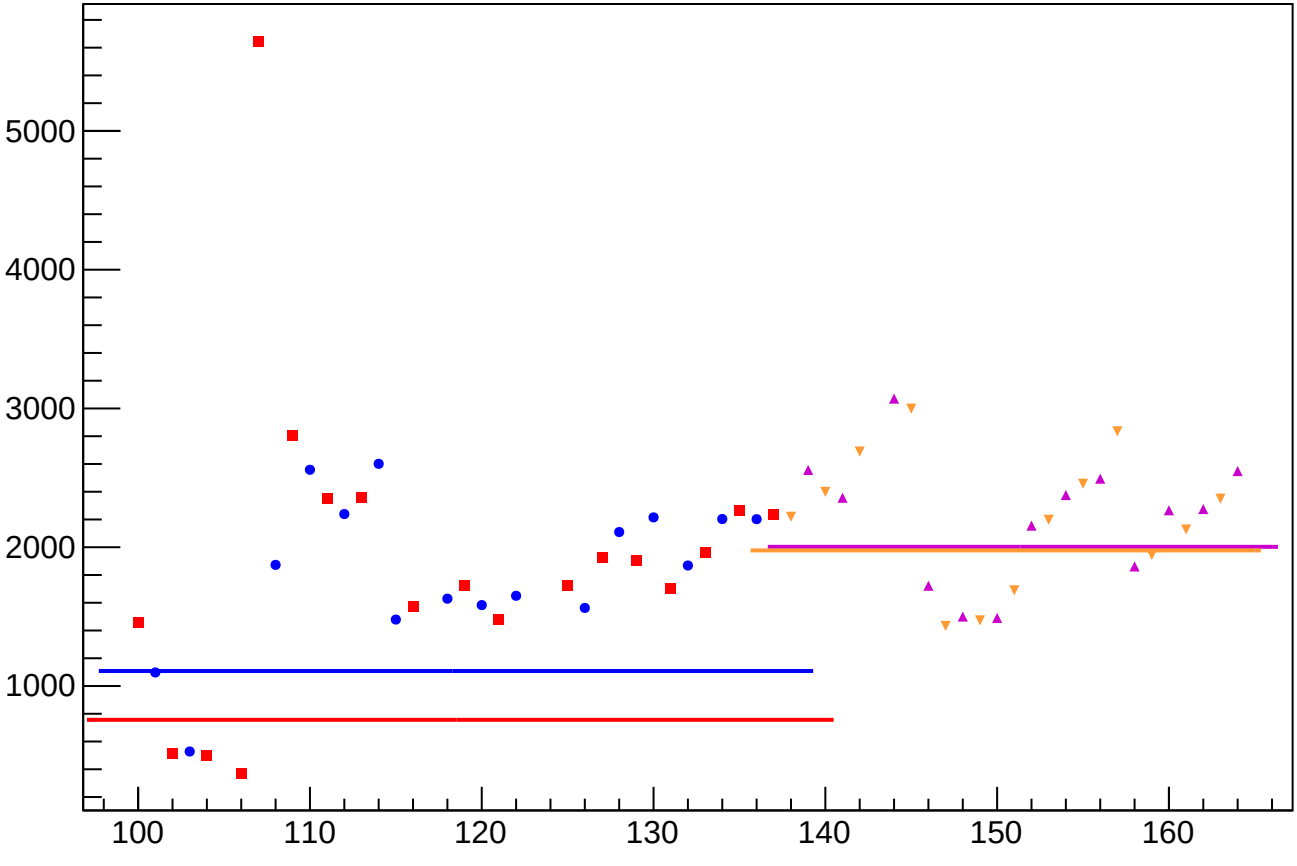
In: 2248.167+/-0.375 χ^2/NDF:540366.8/28

Out: 2258.643+/-0.382 χ^2/NDF:260143.7/30

All: 2253.308+/-0.268 χ^2/NDF: 800892.9/59


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -31.393+/-485.329 χ²/NDF: 16.3/15
Left Out: -618.658+/-634.150 χ²/NDF:20.1/12
Right Out: -448.261+/-362.570 χ²/NDF: 15.1/17
Left In: 519.471+/-621.990 χ²/NDF:7.8/12
Left: -38.577+/-444.050 χ²/NDF: 29.5/25
Right: -298.942+/-290.465 χ²/NDF: 31.9/33
In: 177.073+/-382.630 χ²/NDF:24.6/28
Out: -490.240+/-314.757 χ²/NDF:35.2/30
All: -220.920+/-243.079 χ²/NDF: 61.7/59

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1977.113+/-0.448 χ^2/NDF:1072631.6/12

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2002.966+/-0.440 χ^2/NDF:1004629.4/12

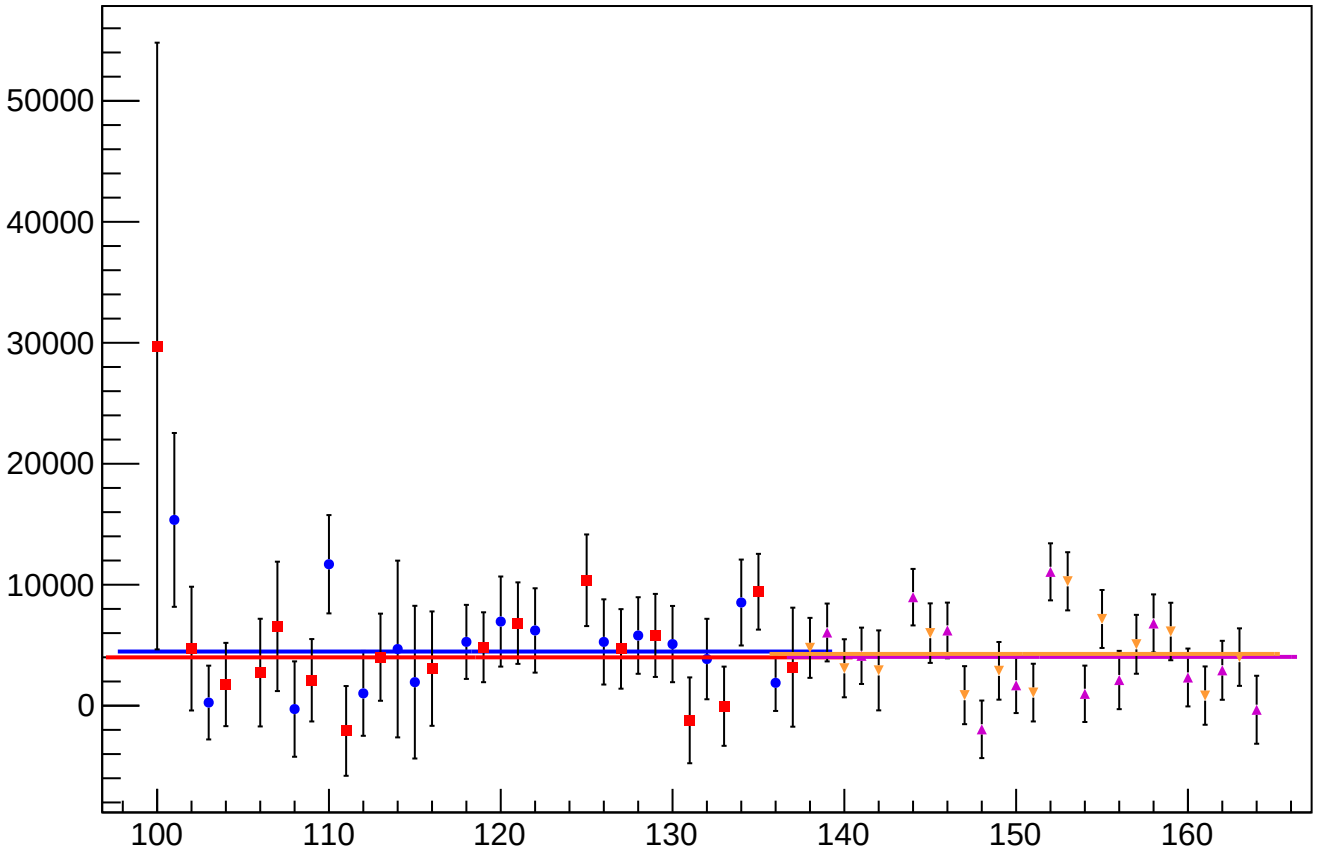
Left: 1990.290+/-0.314 χ^2/NDF: 2078955.2/25

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1446.773+/-0.271 χ^2/NDF:7324032.0/28

Out: 1057.146+/-0.223 χ^2/NDF:12260874.8/30

All: 1214.395+/-0.172 χ^2/NDF: 20821754.5/5



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4278.523+/-680.365 χ^2/NDF:15.6/12

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4033.405+/-662.786 χ^2/NDF:29.2/12

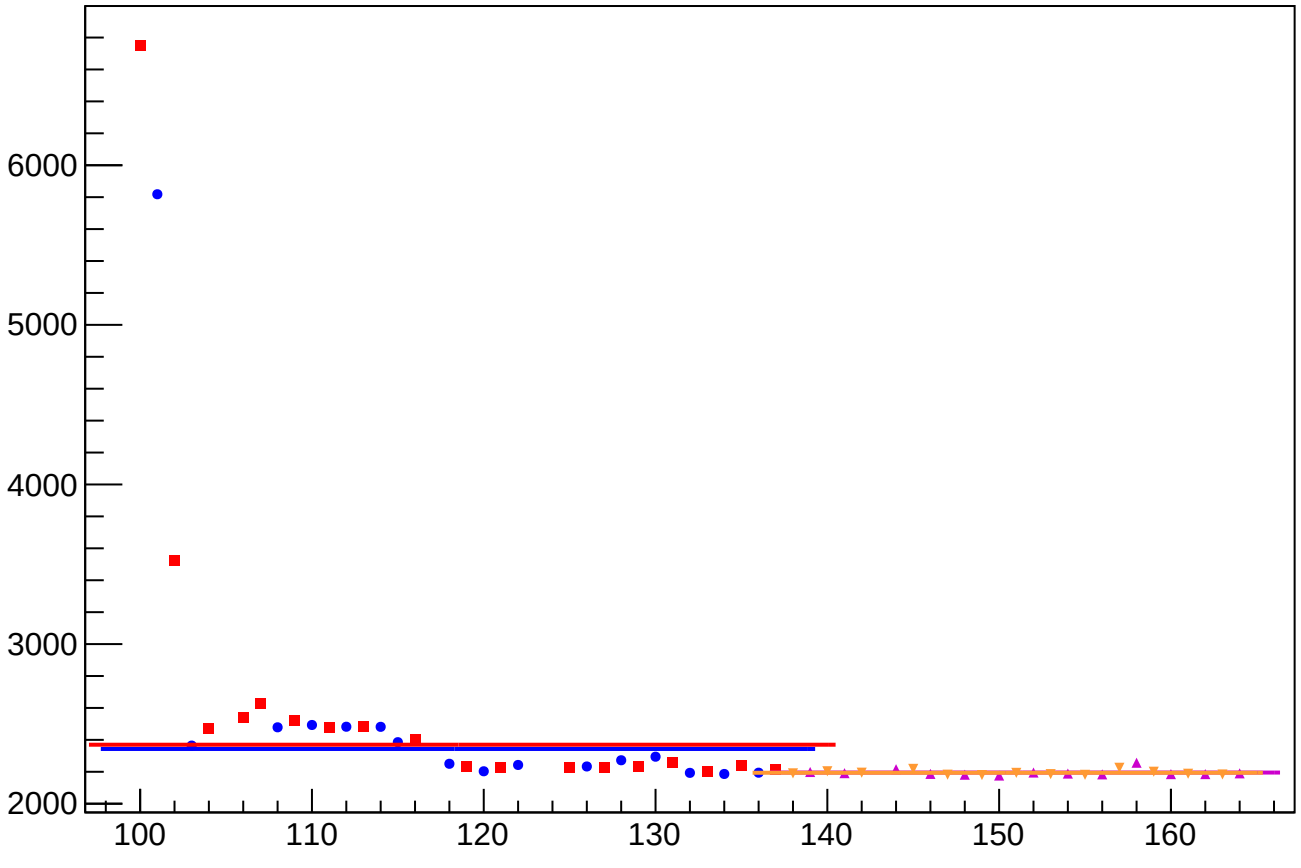
Left: 4152.756+/-474.754 χ^2/NDF: 44.8/25

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4192.346+/-530.740 χ^2/NDF:42.9/28

Out: 4174.309+/-540.617 χ^2/NDF:31.1/30

All: 4183.494+/-378.734 χ^2/NDF: 74.0/59



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.881+/-0.481 χ^2/NDF:835.3/12

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2195.157+/-0.469 χ^2/NDF:1839.6/12

Left: 2194.535+/-0.336 χ^2/NDF: 2678.5/25

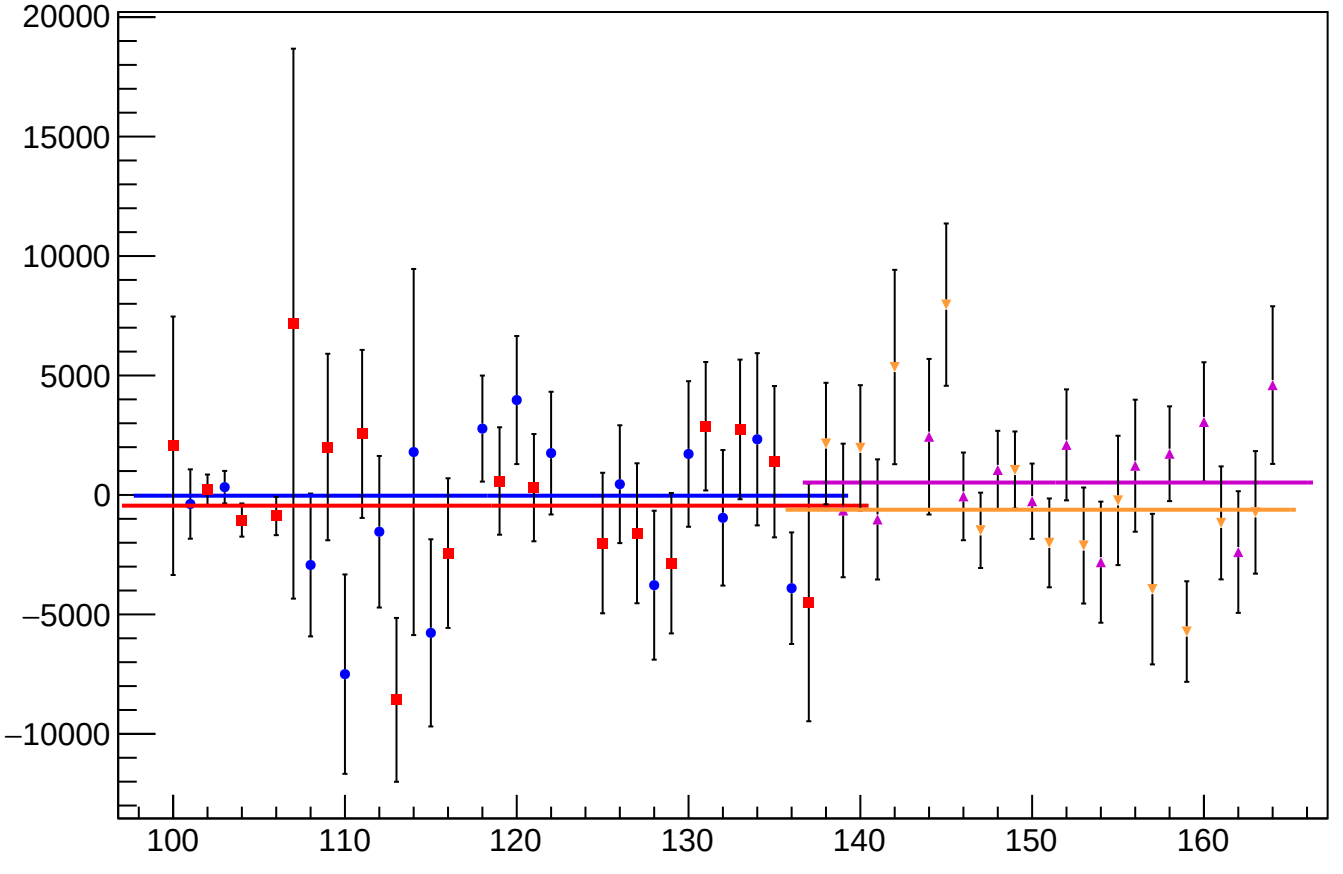
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2248.167+/-0.375 χ^2/NDF:540366.6/28

Out: 2258.643+/-0.382 χ^2/NDF:260142.3/30

All: 2253.308+/-0.268 χ^2/NDF: 800891.3/59

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: -618.663+/-634.151 χ^2/NDF:20.1/12

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 519.473+/-621.991 χ^2/NDF:7.8/12

Left: -38.579+/-444.051 χ^2/NDF: 29.5/25

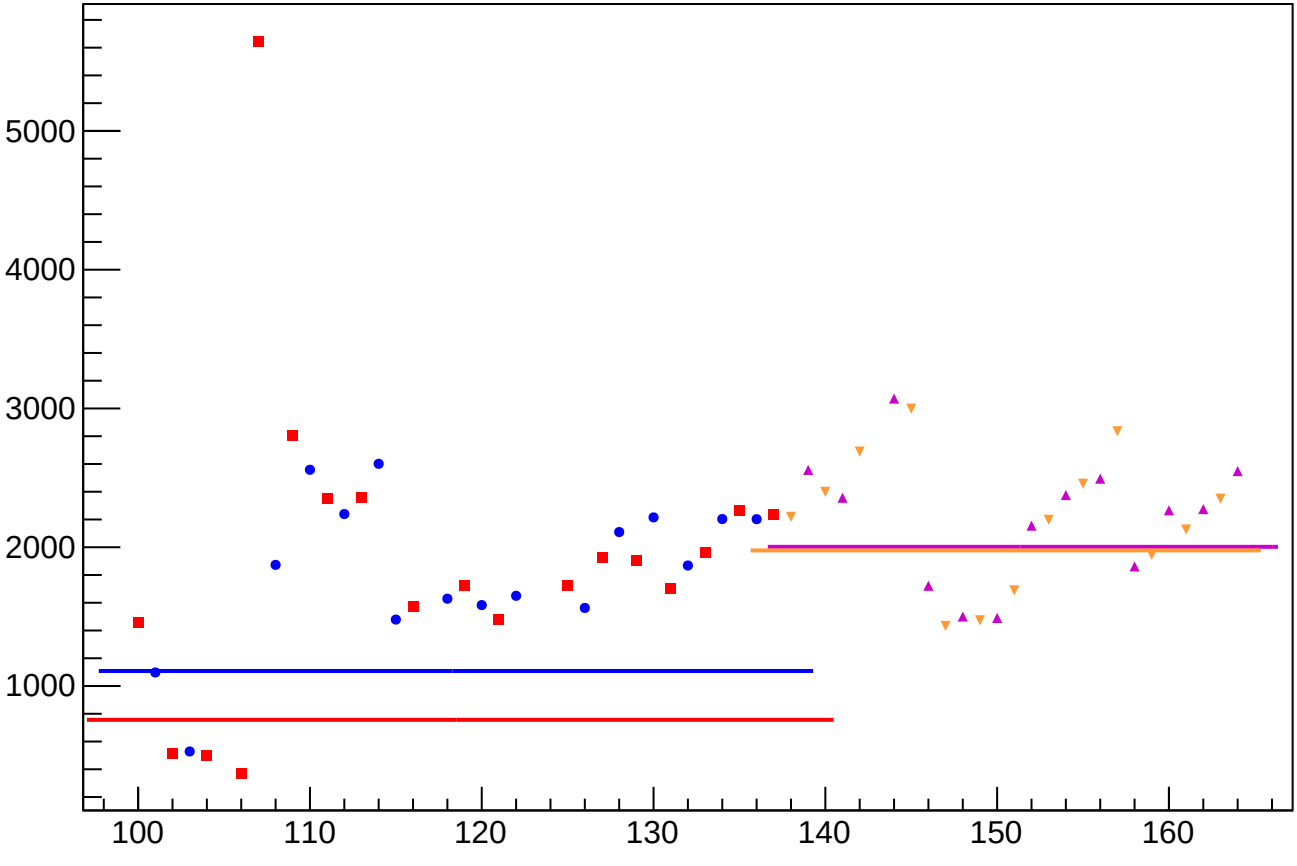
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 177.071+/-382.632 χ^2/NDF:24.6/28

Out: -490.244+/-314.760 χ^2/NDF:35.2/30

All: -220.922+/-243.081 χ^2/NDF: 61.7/59

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1977.117+/-0.448 χ^2/NDF:1072631.5/12

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2002.969+/-0.440 χ^2/NDF:1004628.8/12

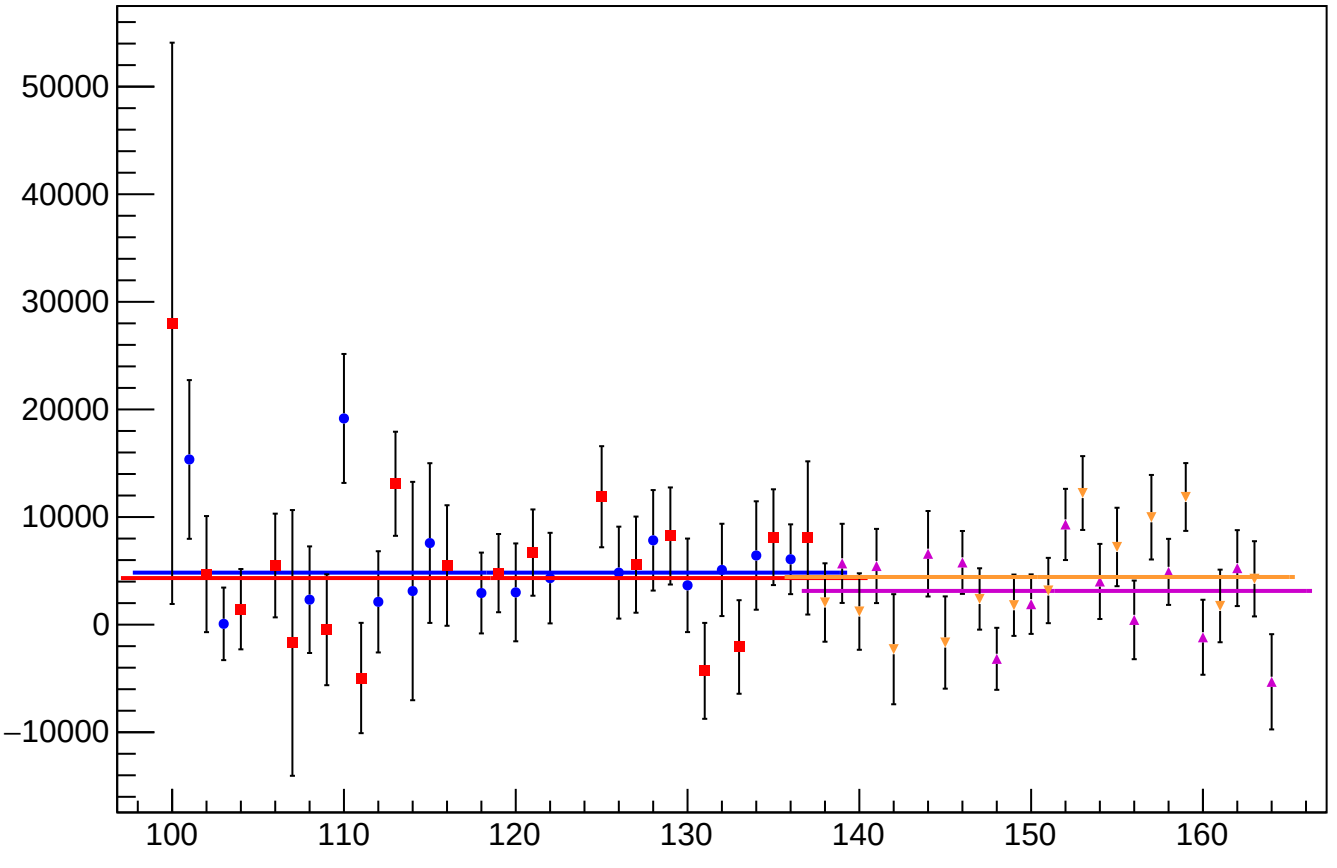
Left: 1990.293+/-0.314 χ^2/NDF: 2078954.5/25

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1446.782+/-0.271 χ^2/NDF:7323904.9/28

Out: 1057.163+/-0.223 χ^2/NDF:12260599.6/30

All: 1214.410+/-0.172 χ^2/NDF: 20821282.8/5



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 4429.260+/-954.718 χ^2/NDF:20.5/12

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3134.429+/-929.303 χ^2/NDF:17.5/12

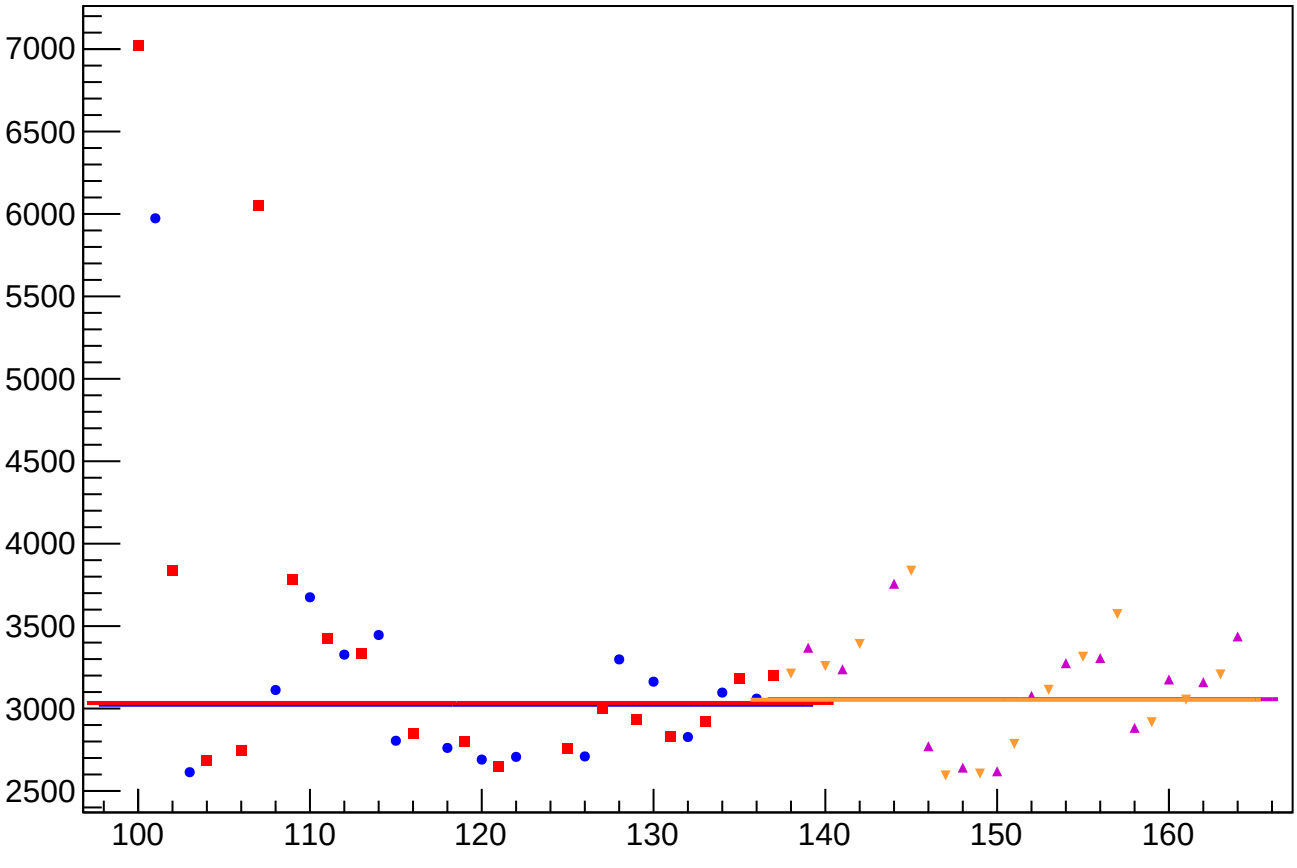
Left: 3764.381+/-665.920 χ^2/NDF: 38.9/25

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 3811.053+/-720.938 χ^2/NDF:30.5/28

Out: 4387.958+/-733.141 χ^2/NDF:40.4/30

All: 4094.665+/-514.040 χ^2/NDF: 71.2/59



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3053.421+/-0.675 χ^2/NDF:256058.0/12

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3056.638+/-0.657 χ^2/NDF:235134.5/12

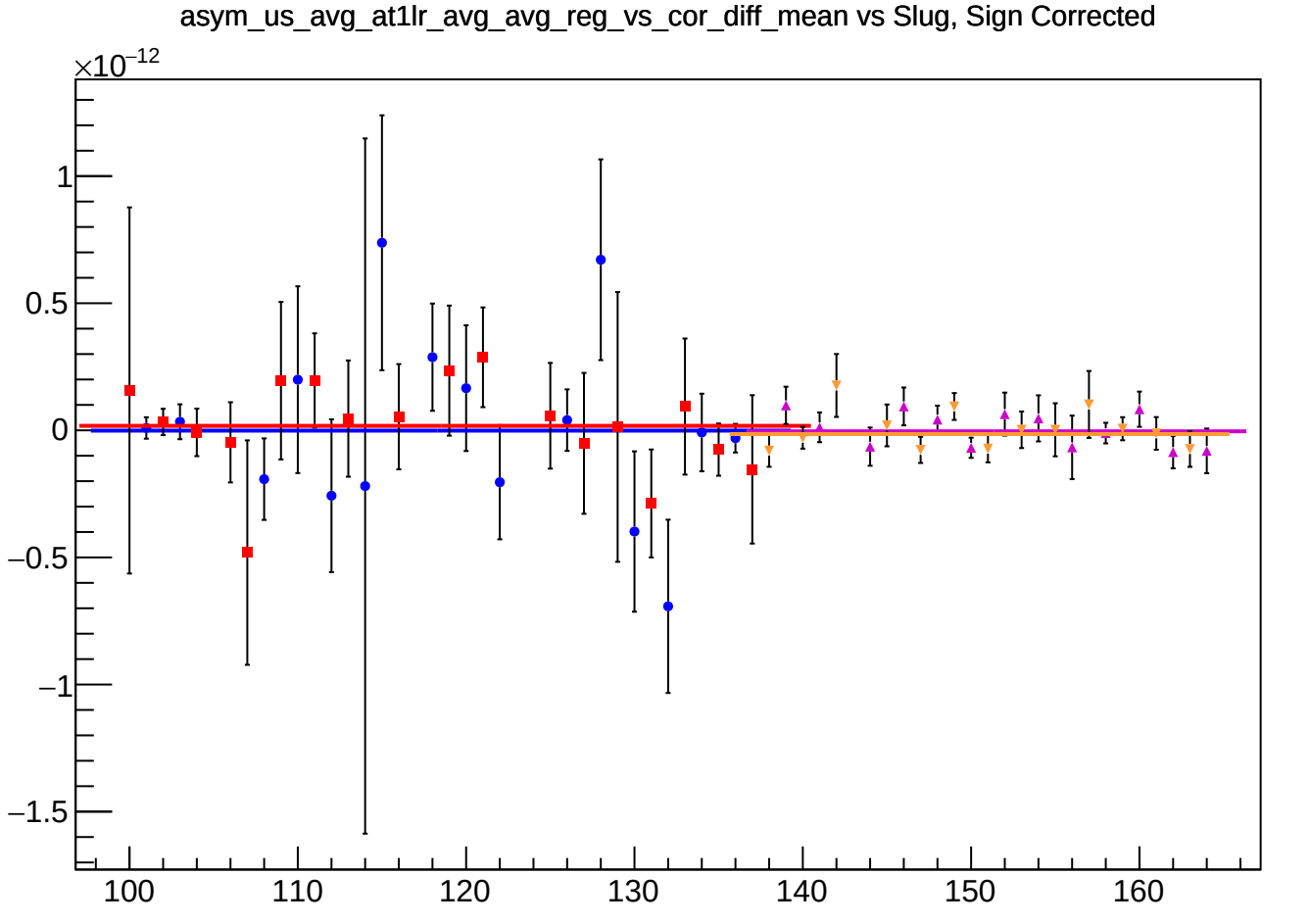
Left: 3055.073+/-0.471 χ^2/NDF: 491204.2/25

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3043.272+/-0.510 χ^2/NDF:679879.4/28

Out: 3045.398+/-0.518 χ^2/NDF:599076.9/30

All: 3044.317+/-0.363 χ^2/NDF: 1278964.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.0/12

Left: -0.000+/-0.000 χ^2/NDF: 25.5/25

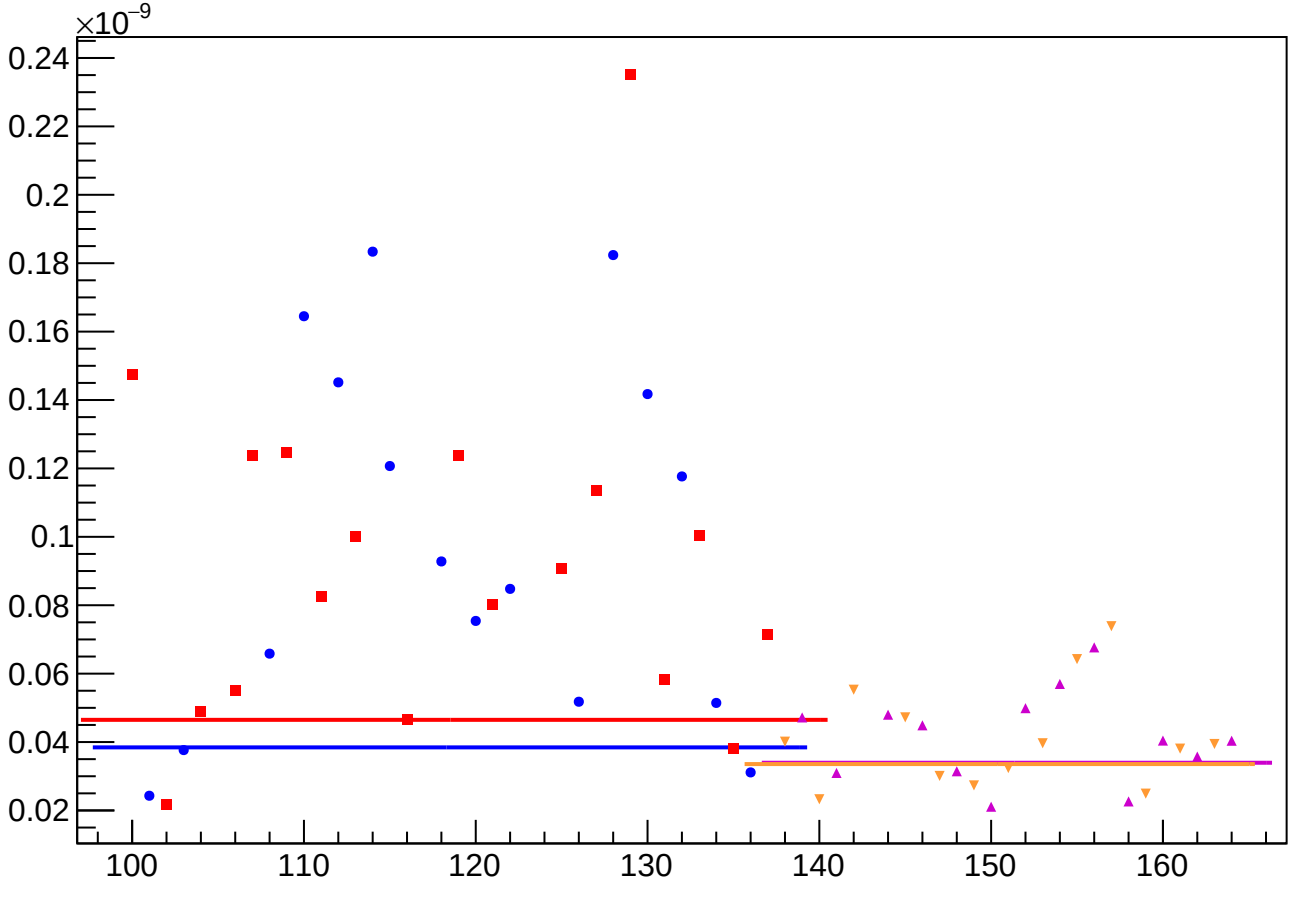
Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: -0.000+/-0.000 χ^2/NDF:30.1/28

Out: -0.000+/-0.000 χ^2/NDF:22.0/30

All: -0.000+/-0.000 χ^2/NDF: 52.1/59

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:760839.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:929764.9/12

Left: 0.000+/-0.000 χ^2/NDF: 1691103.3/25

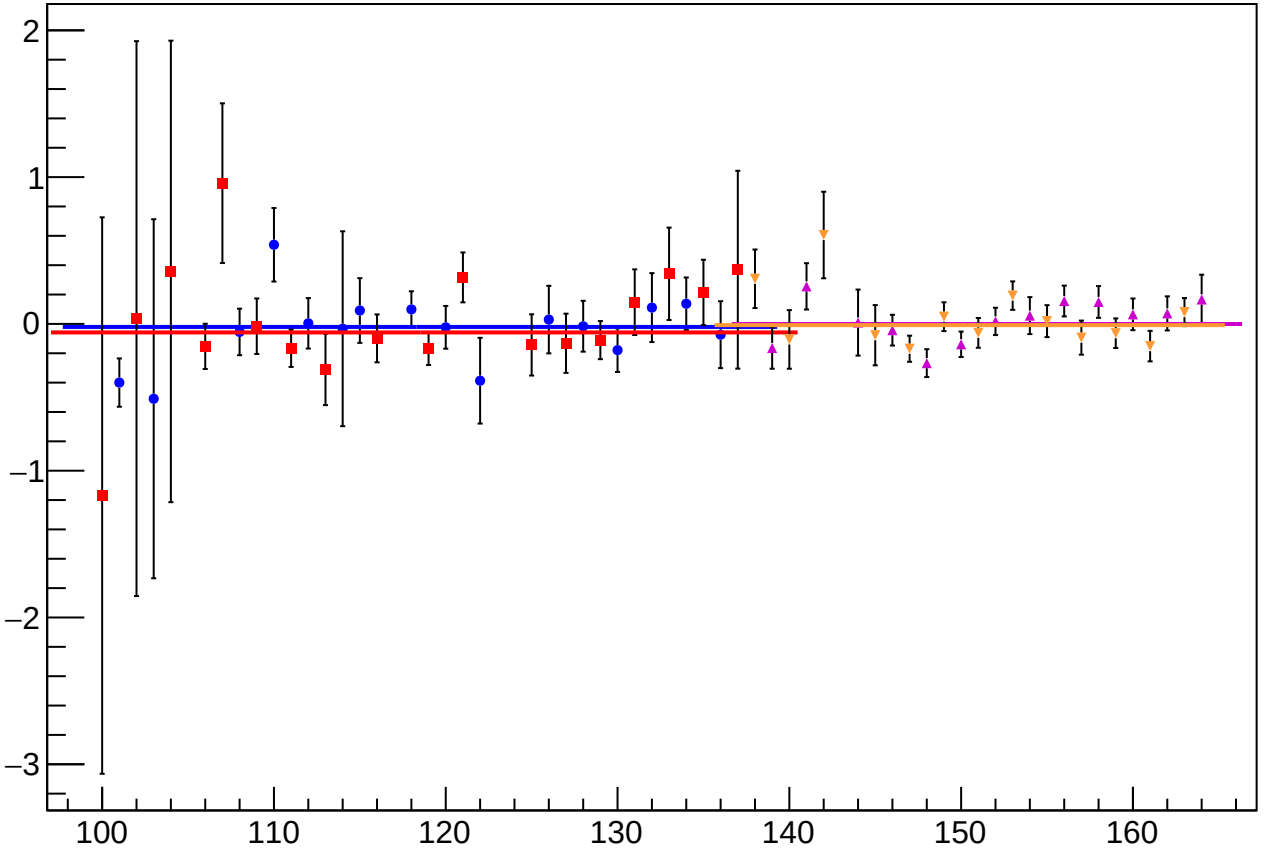
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:2739887.8/28

Out: 0.000+/-0.000 χ^2/NDF:2682456.4/30

All: 0.000+/-0.000 χ^2/NDF: 5425986.8/59

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.032 χ^2/NDF:19.0/12

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.001+/-0.032 χ^2/NDF:20.7/12

Left: -0.004+/-0.023 χ^2/NDF: 39.8/25

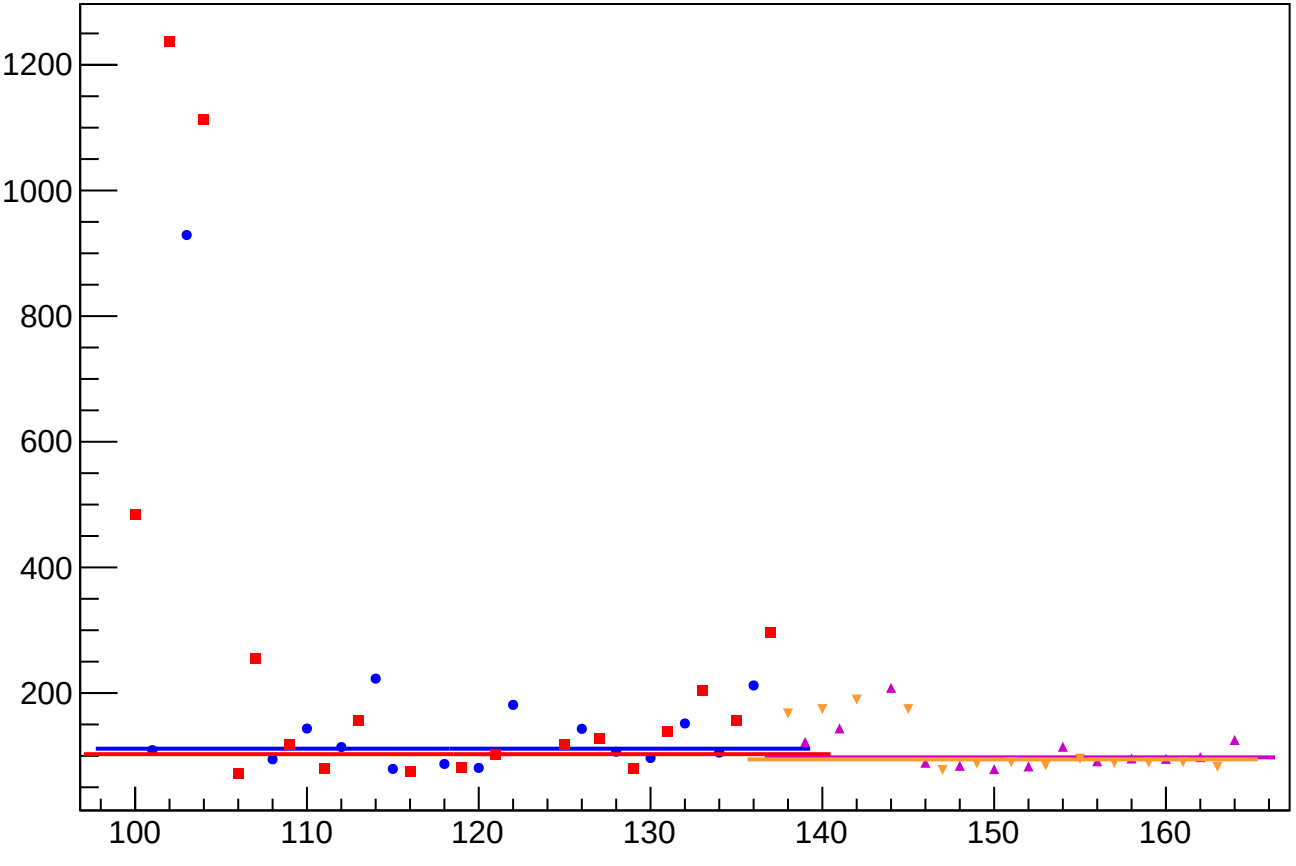
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.007+/-0.026 χ^2/NDF:36.5/28

Out: -0.024+/-0.026 χ^2/NDF:36.6/30

All: -0.016+/-0.019 χ^2/NDF: 73.3/59

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: 94.389+/-0.023 χ^2/NDF:1251230.2/12

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 97.655+/-0.022 χ^2/NDF:1006373.6/12

Left: 96.037+/-0.016 χ^2/NDF: 2268126.7/25

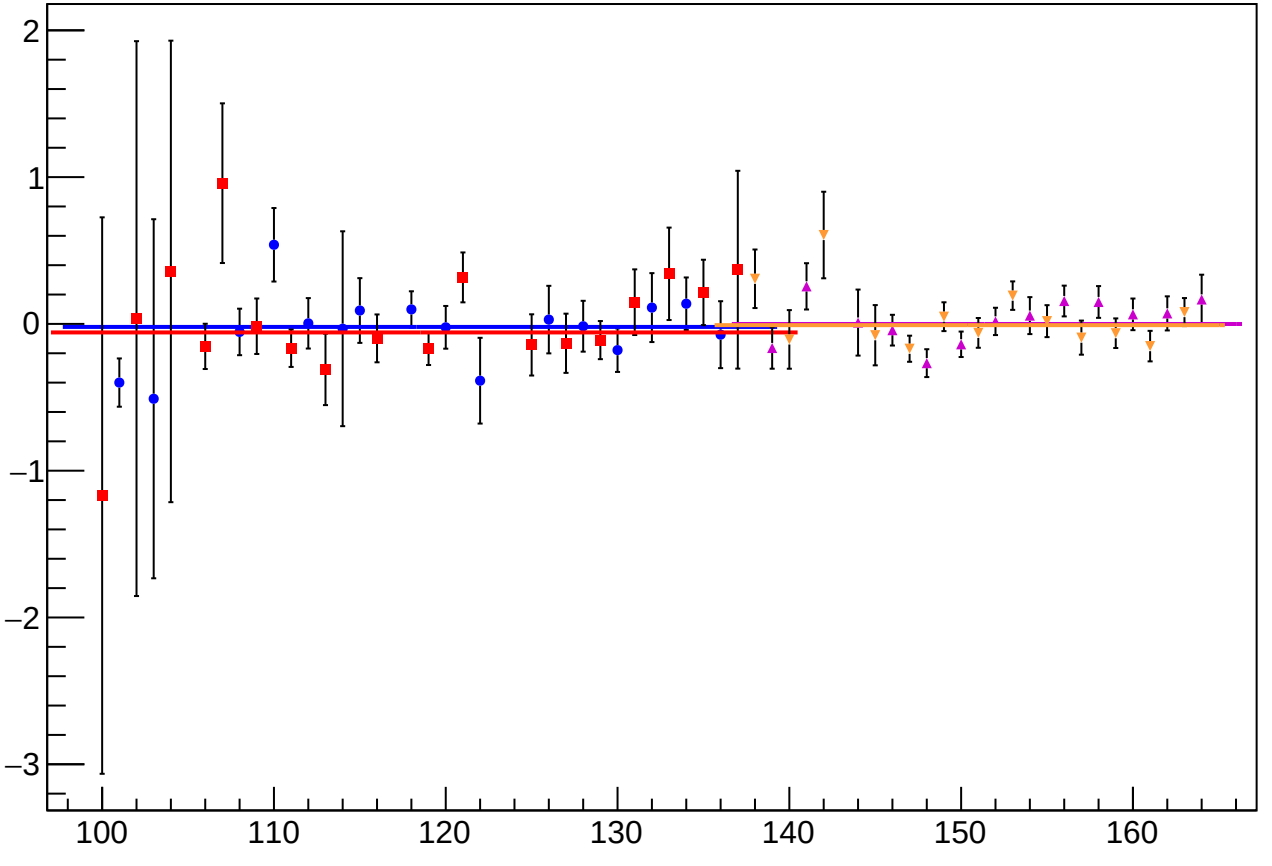
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.874+/-0.019 χ^2/NDF:2961309.2/28

Out: 97.056+/-0.019 χ^2/NDF:4121295.9/30

All: 99.461+/-0.013 χ^2/NDF: 7116021.0/59

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: -0.008+/-0.032 χ^2/NDF:19.0/12

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.001+/-0.032 χ^2/NDF:20.7/12

Left: -0.004+/-0.023 χ^2/NDF: 39.8/25

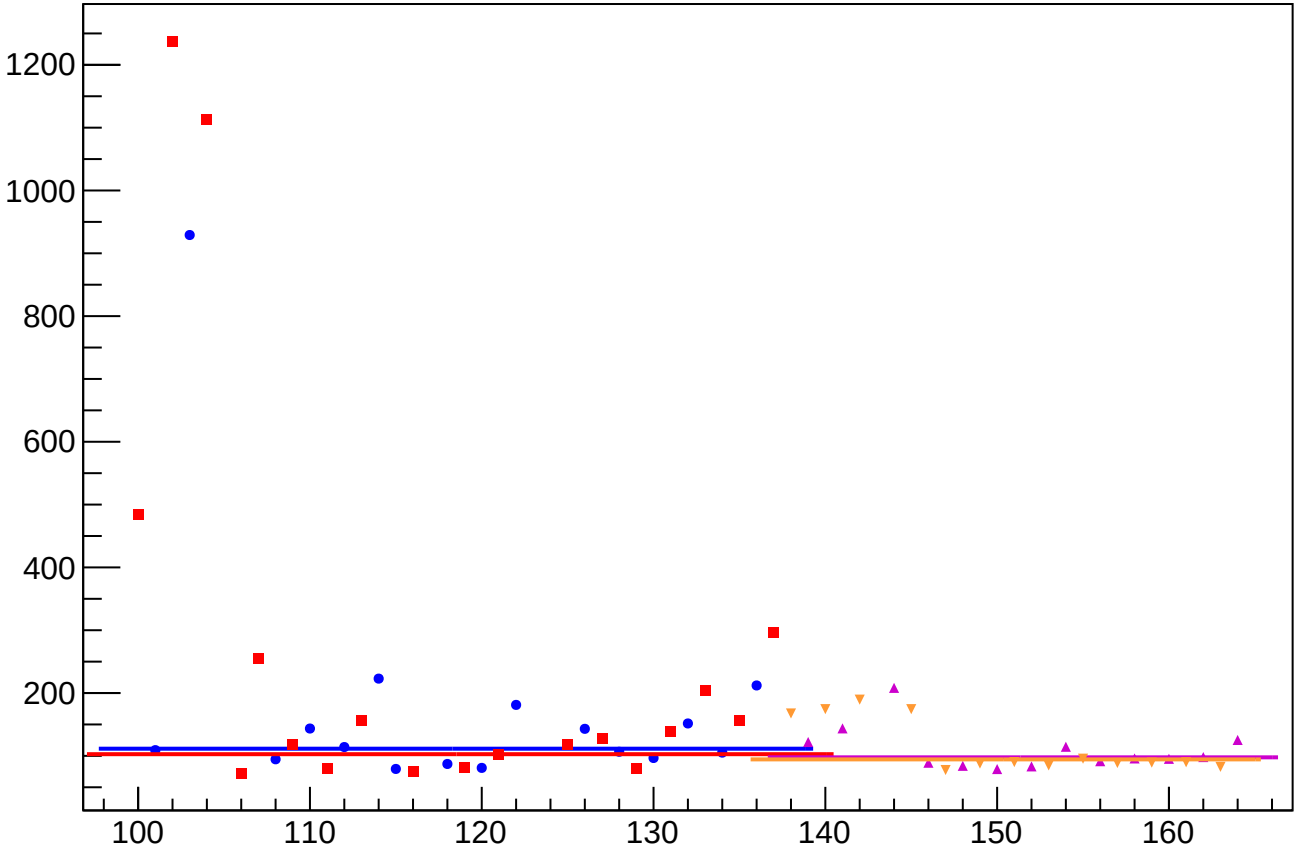
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.007+/-0.026 χ^2/NDF:36.5/28

Out: -0.024+/-0.026 χ^2/NDF:36.6/30

All: -0.016+/-0.019 χ^2/NDF: 73.3/59

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: 94.389+/-0.023 χ^2/NDF:1251230.2/12

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 97.655+/-0.022 χ^2/NDF:1006373.6/12

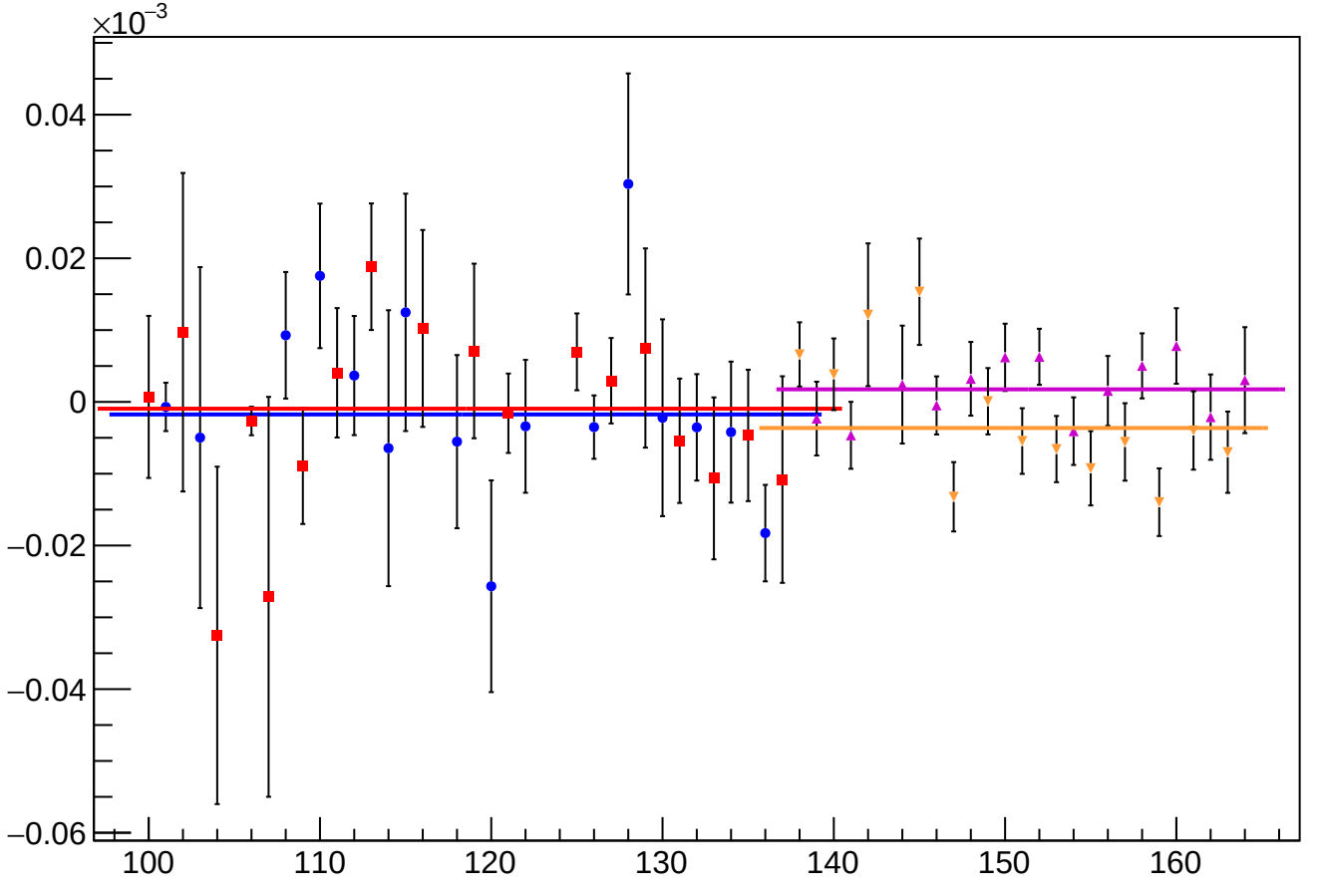
Left: 96.037+/-0.016 χ^2/NDF: 2268126.7/25

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.874+/-0.019 χ^2/NDF:2961309.2/28

Out: 97.056+/-0.019 χ^2/NDF:4121295.9/30

All: 99.461+/-0.013 χ^2/NDF: 7116021.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:9.0/12

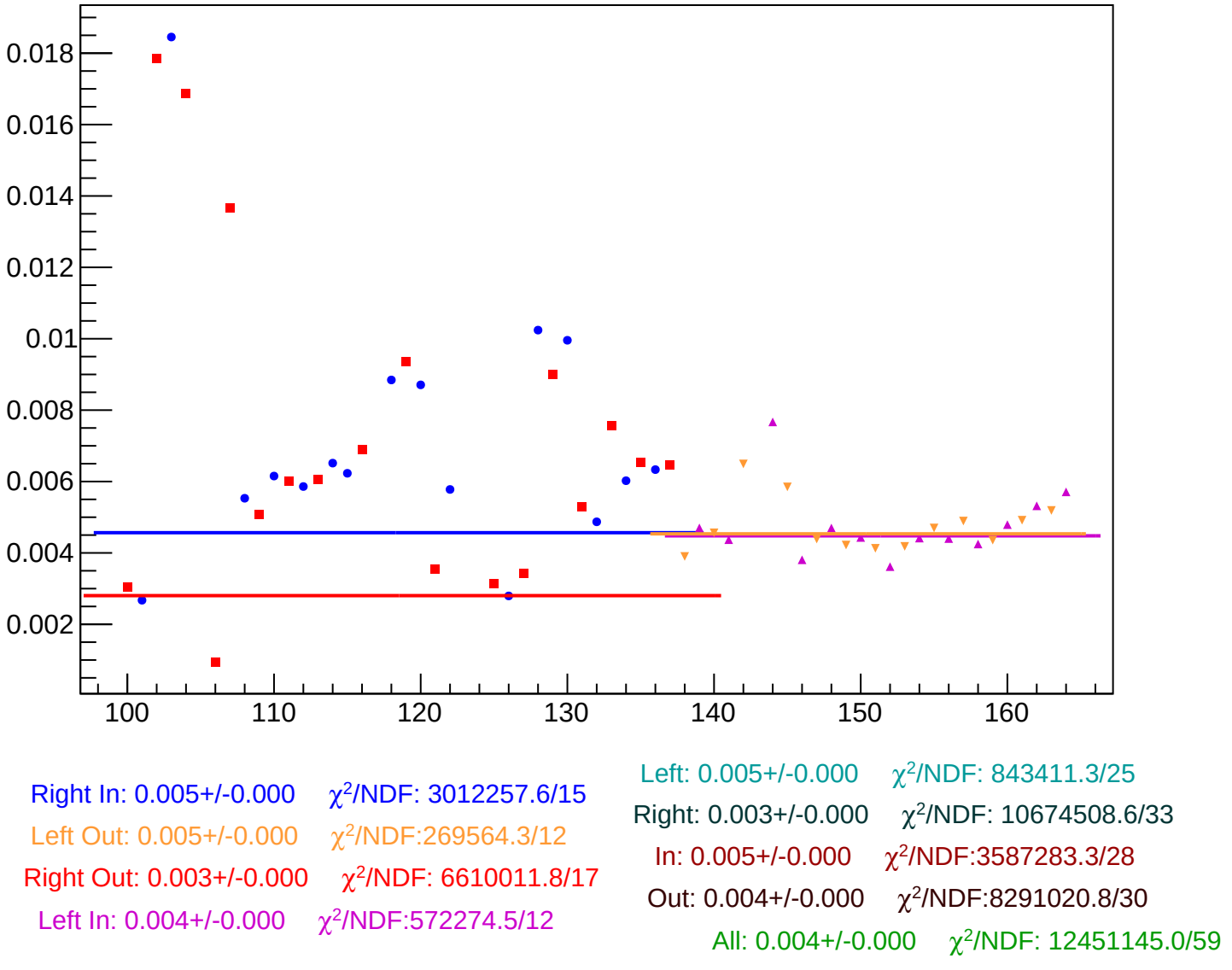
Left: -0.000+/-0.000 χ^2/NDF: 44.5/25

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

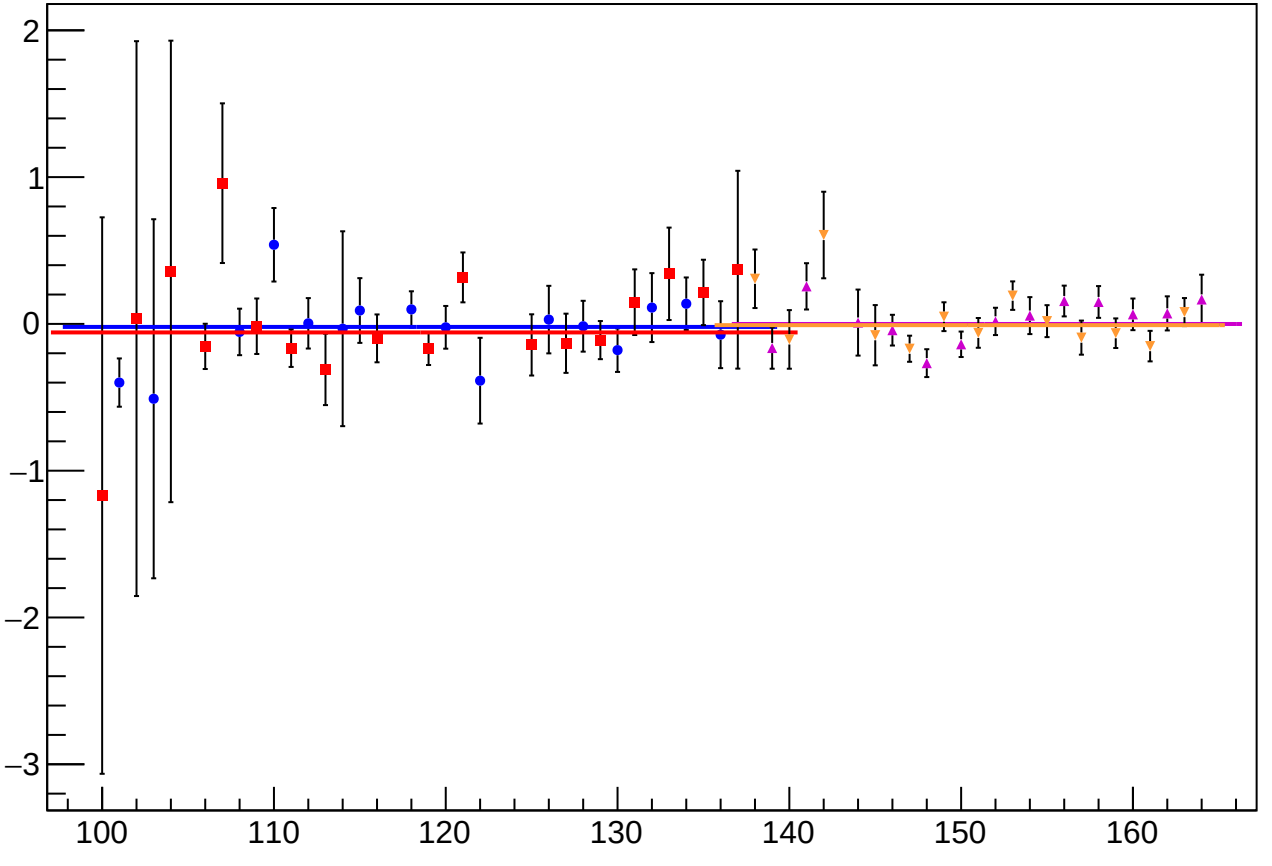
In: 0.000+/-0.000 χ^2/NDF:31.2/28

Out: -0.000+/-0.000 χ^2/NDF:45.7/30

All: -0.000+/-0.000 χ^2/NDF: 80.5/59


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.005+/-0.000 χ²/NDF: 3012257.6/15
Left Out: 0.005+/-0.000 χ²/NDF:269564.3/12
Right Out: 0.003+/-0.000 χ²/NDF: 6610011.8/17
Left In: 0.004+/-0.000 χ²/NDF:572274.5/12
Left: 0.005+/-0.000 χ²/NDF: 843411.3/25
Right: 0.003+/-0.000 χ²/NDF: 10674508.6/33
In: 0.005+/-0.000 χ²/NDF:3587283.3/28
Out: 0.004+/-0.000 χ²/NDF:8291020.8/30
All: 0.004+/-0.000 χ²/NDF: 12451145.0/59

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: -0.008+/-0.032 χ^2/NDF:19.0/12

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.001+/-0.032 χ^2/NDF:20.7/12

Left: -0.004+/-0.023 χ^2/NDF: 39.8/25

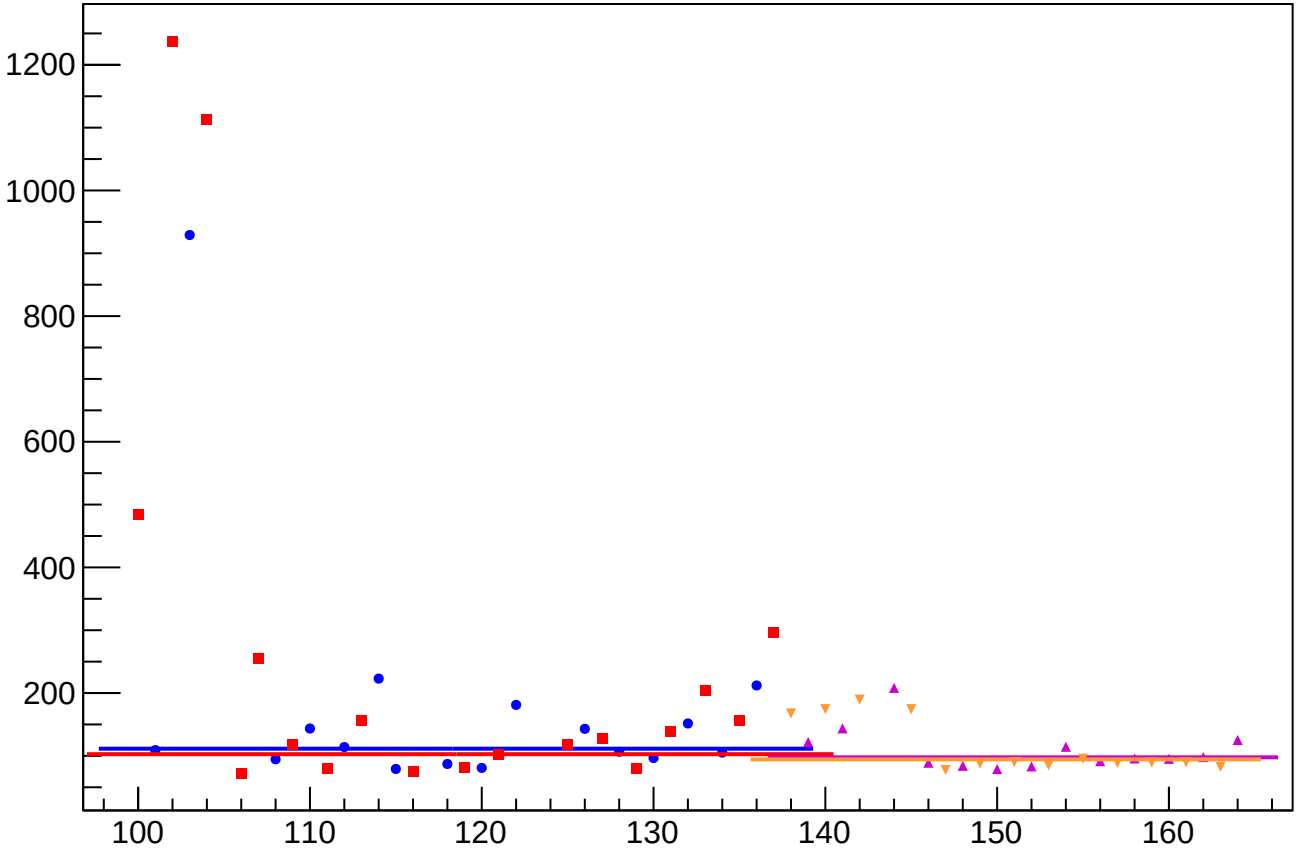
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.007+/-0.026 χ^2/NDF:36.5/28

Out: -0.024+/-0.026 χ^2/NDF:36.6/30

All: -0.016+/-0.019 χ^2/NDF: 73.3/59

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: 94.390+/-0.023 χ^2/NDF:1251207.6/12

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 97.655+/-0.022 χ^2/NDF:1006353.5/12

Left: 96.037+/-0.016 χ^2/NDF: 2268083.4/25

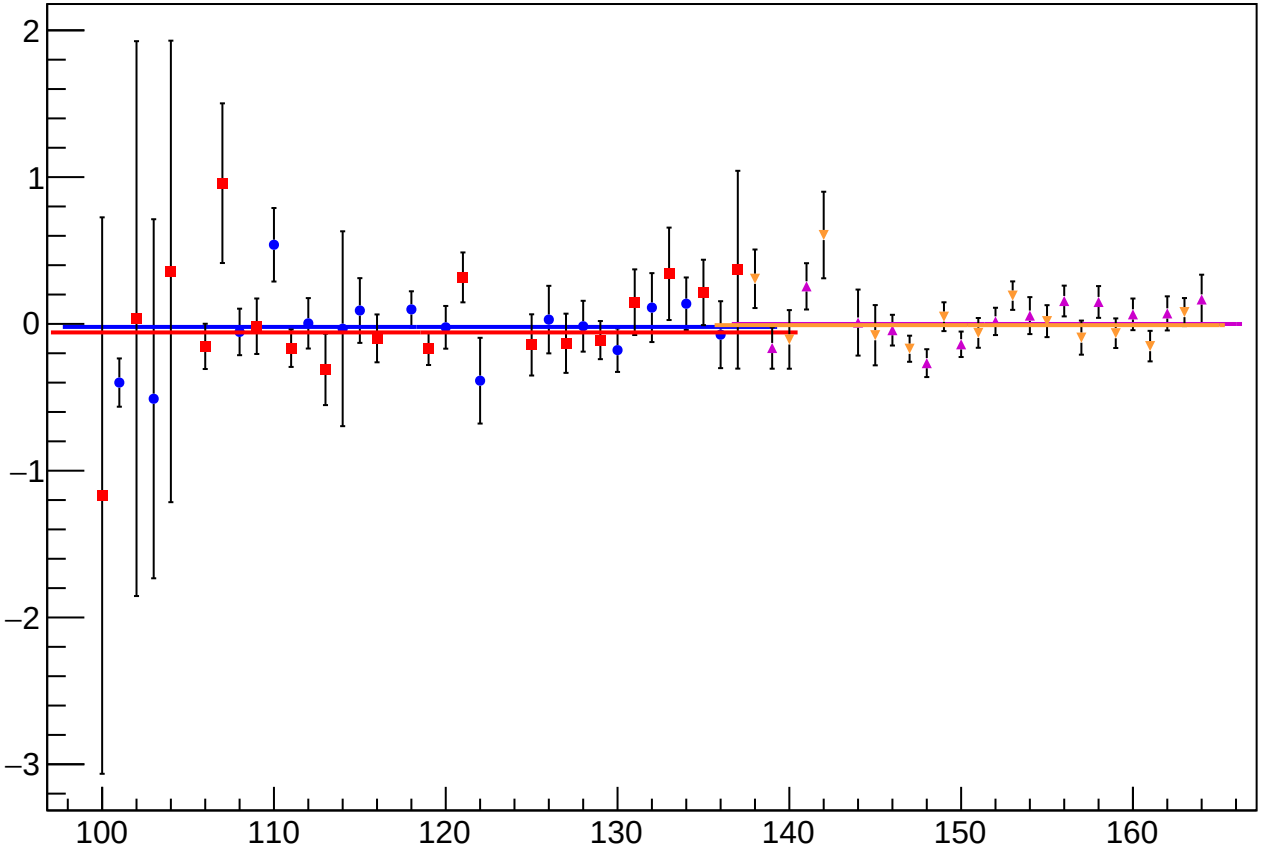
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.874+/-0.019 χ^2/NDF:2961287.5/28

Out: 97.056+/-0.019 χ^2/NDF:4121249.0/30

All: 99.460+/-0.013 χ^2/NDF: 7115948.4/59

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: -0.008+/-0.032 χ^2/NDF:19.0/12

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.001+/-0.032 χ^2/NDF:20.7/12

Left: -0.004+/-0.023 χ^2/NDF: 39.8/25

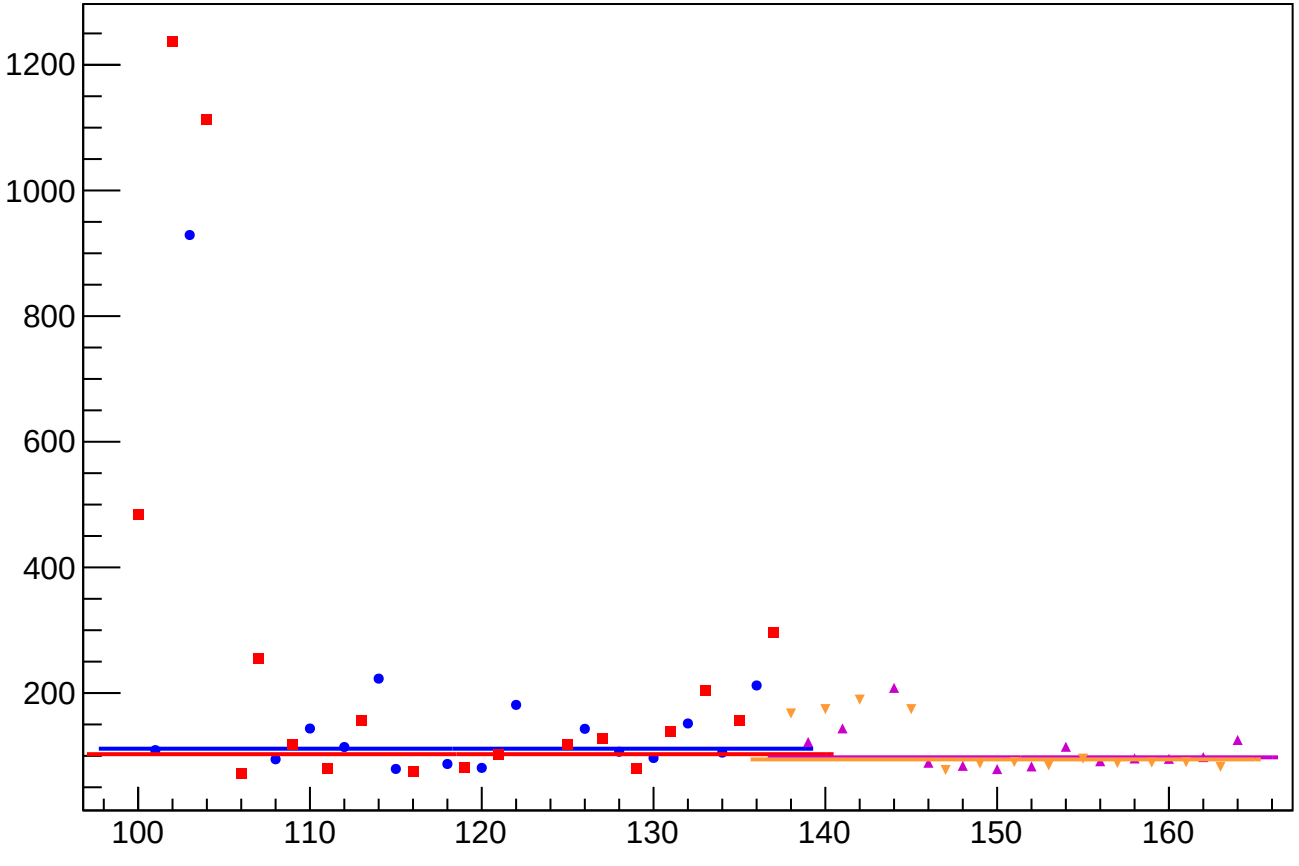
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.007+/-0.026 χ^2/NDF:36.5/28

Out: -0.024+/-0.026 χ^2/NDF:36.6/30

All: -0.016+/-0.019 χ^2/NDF: 73.3/59

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: 94.390+/-0.023 χ^2/NDF:1251207.6/12

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 97.655+/-0.022 χ^2/NDF:1006353.5/12

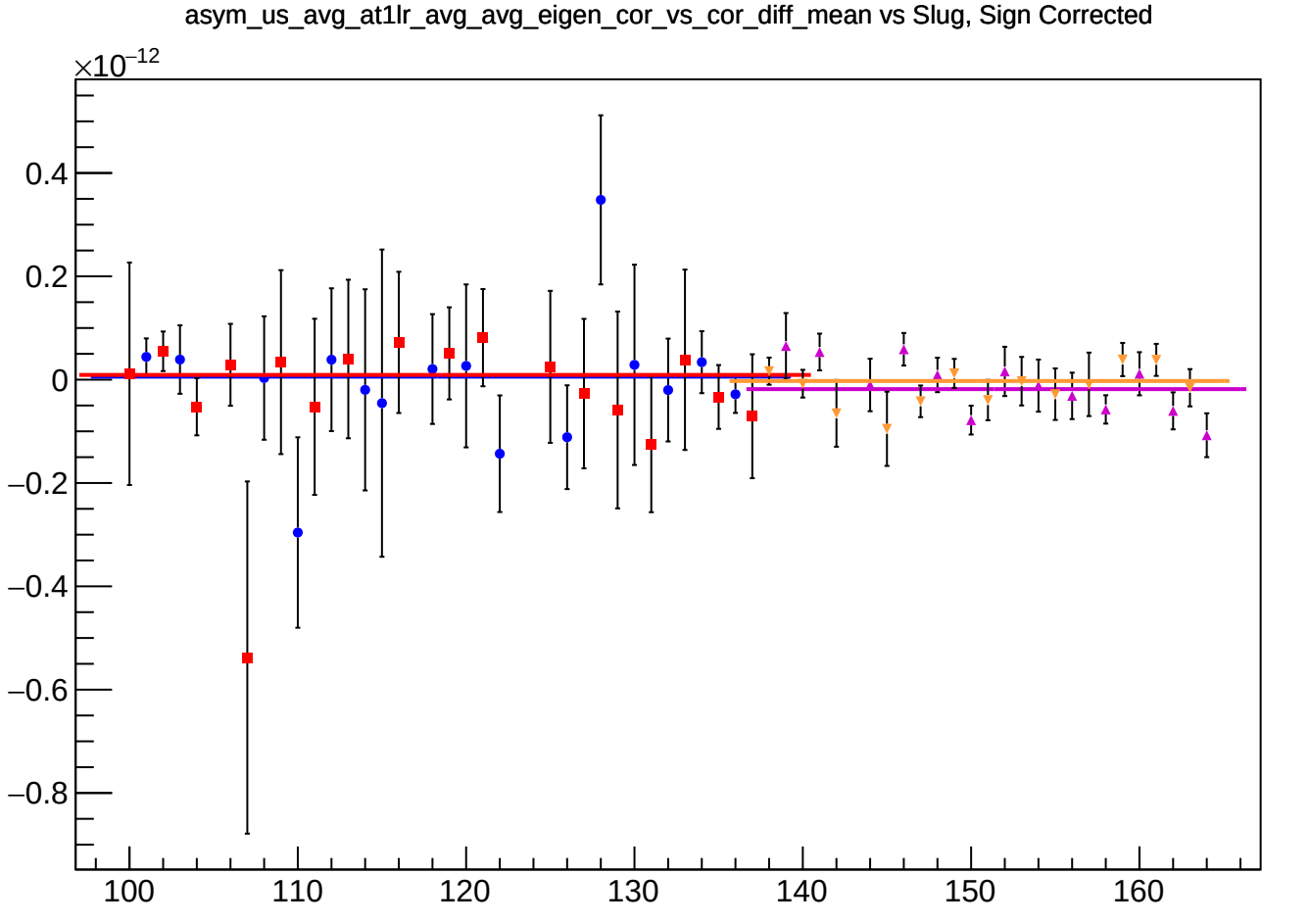
Left: 96.037+/-0.016 χ^2/NDF: 2268083.4/25

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.874+/-0.019 χ^2/NDF:2961287.5/28

Out: 97.056+/-0.019 χ^2/NDF:4121249.0/30

All: 99.460+/-0.013 χ^2/NDF: 7115948.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:26.1/12

Left: -0.000+/-0.000 χ^2/NDF: 37.1/25

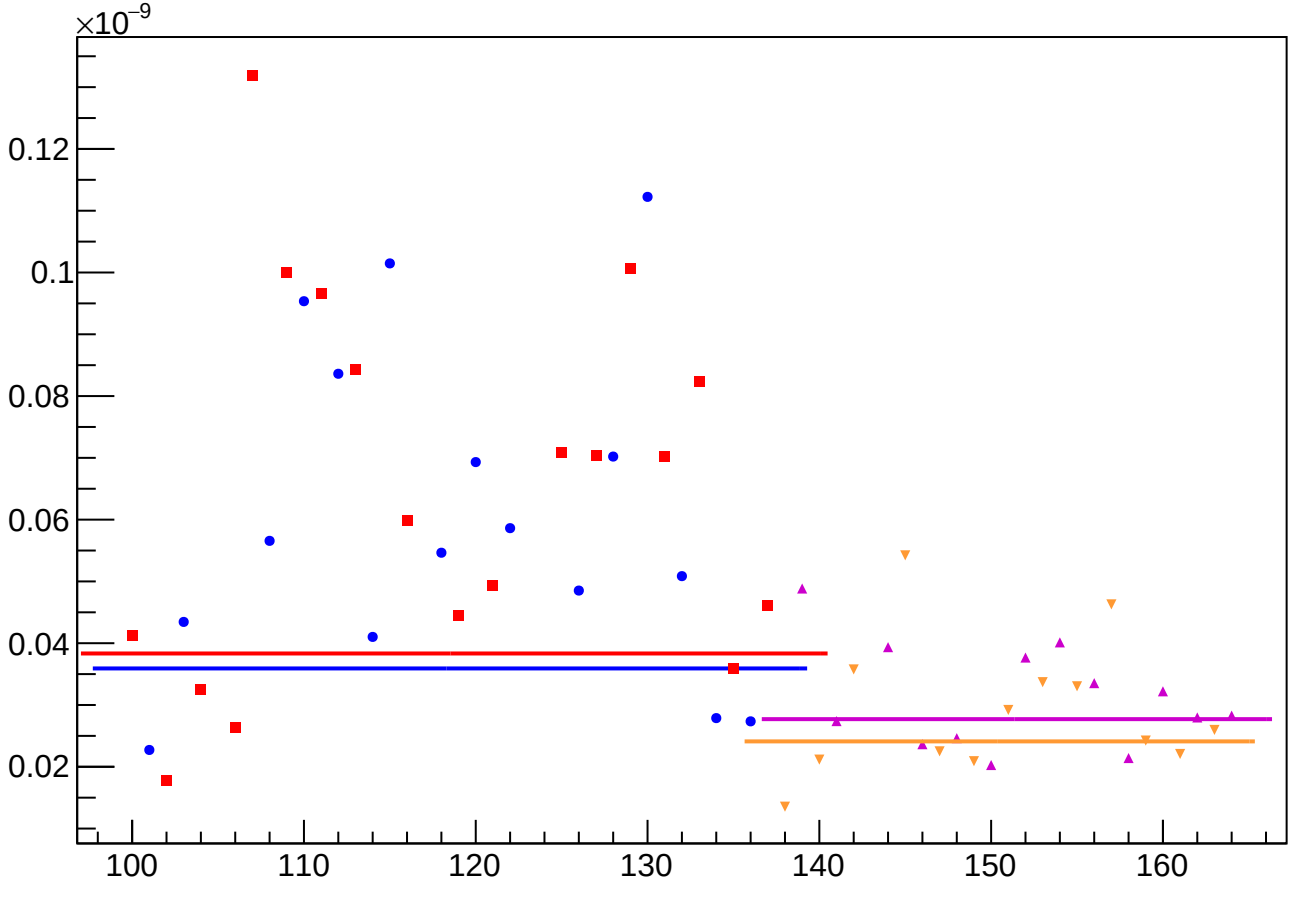
Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: -0.000+/-0.000 χ^2/NDF:40.2/28

Out: -0.000+/-0.000 χ^2/NDF:18.7/30

All: -0.000+/-0.000 χ^2/NDF: 59.8/59

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:1251948.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:888811.6/12

Left: 0.000+/-0.000 χ^2/NDF: 2265860.0/25

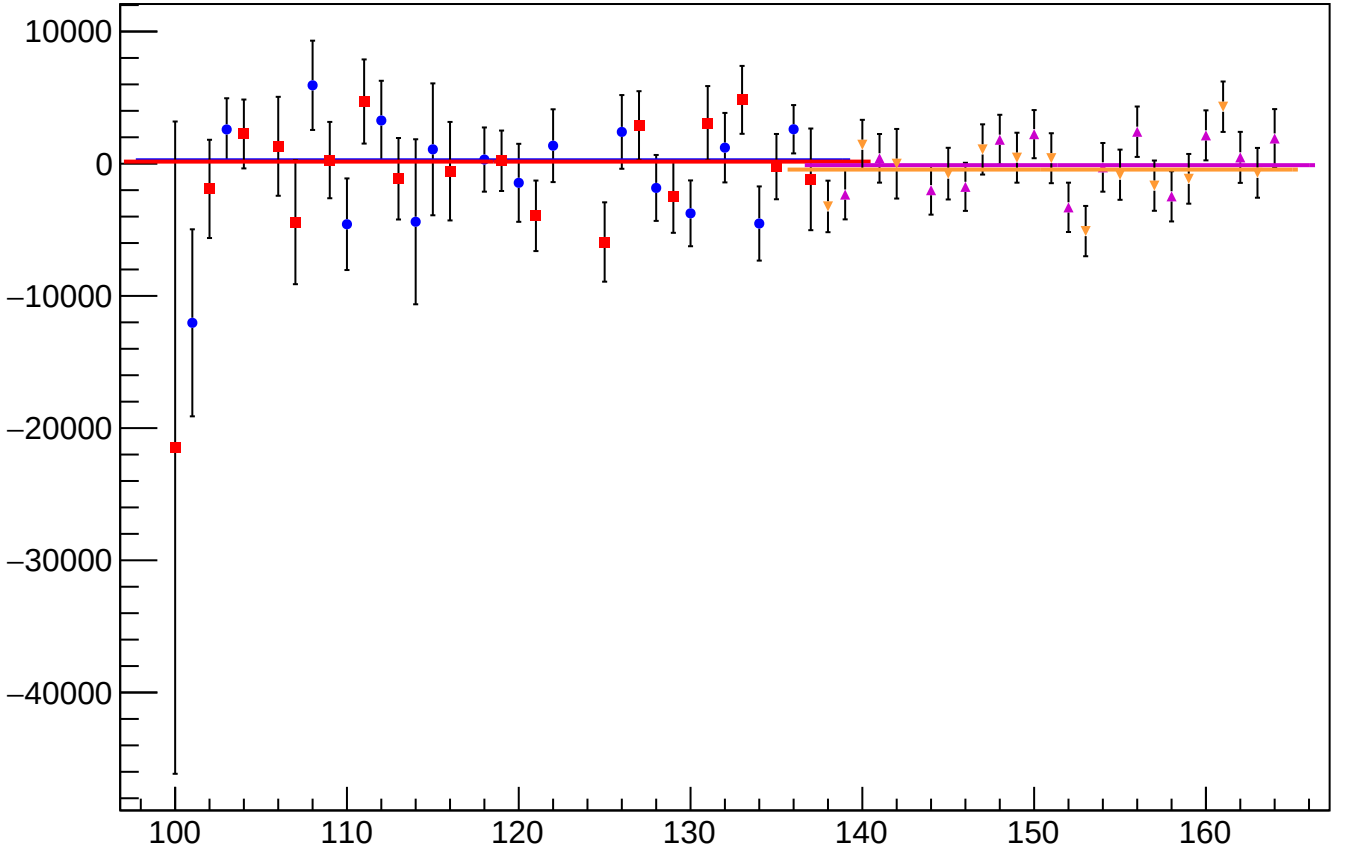
Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:2930208.9/28

Out: 0.000+/-0.000 χ^2/NDF:4170414.3/30

All: 0.000+/-0.000 χ^2/NDF: 7209494.5/59

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -442.859+/-537.824 χ^2/NDF:17.0/12

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -109.800+/-524.124 χ^2/NDF:14.6/12

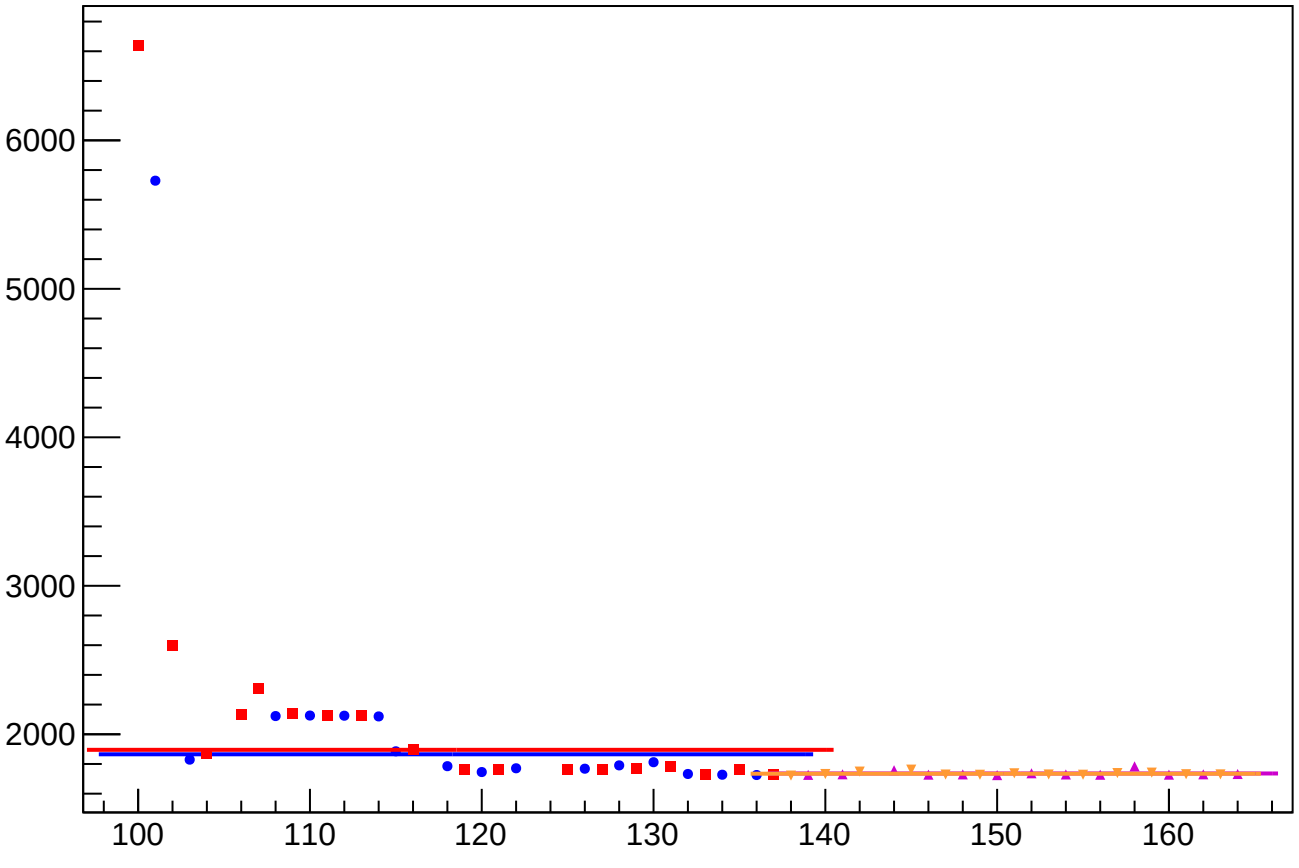
Left: -272.033+/-375.362 χ^2/NDF: 31.8/25

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: 20.534+/-421.612 χ^2/NDF:34.2/28

Out: -224.210+/-429.219 χ^2/NDF:35.5/30

All: -99.650+/-300.778 χ^2/NDF: 69.9/59



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.417+/-0.380 χ^2/NDF:689.0/12

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1735.994+/-0.371 χ^2/NDF:1885.6/12

Left: 1735.226+/-0.265 χ^2/NDF: 2583.3/25

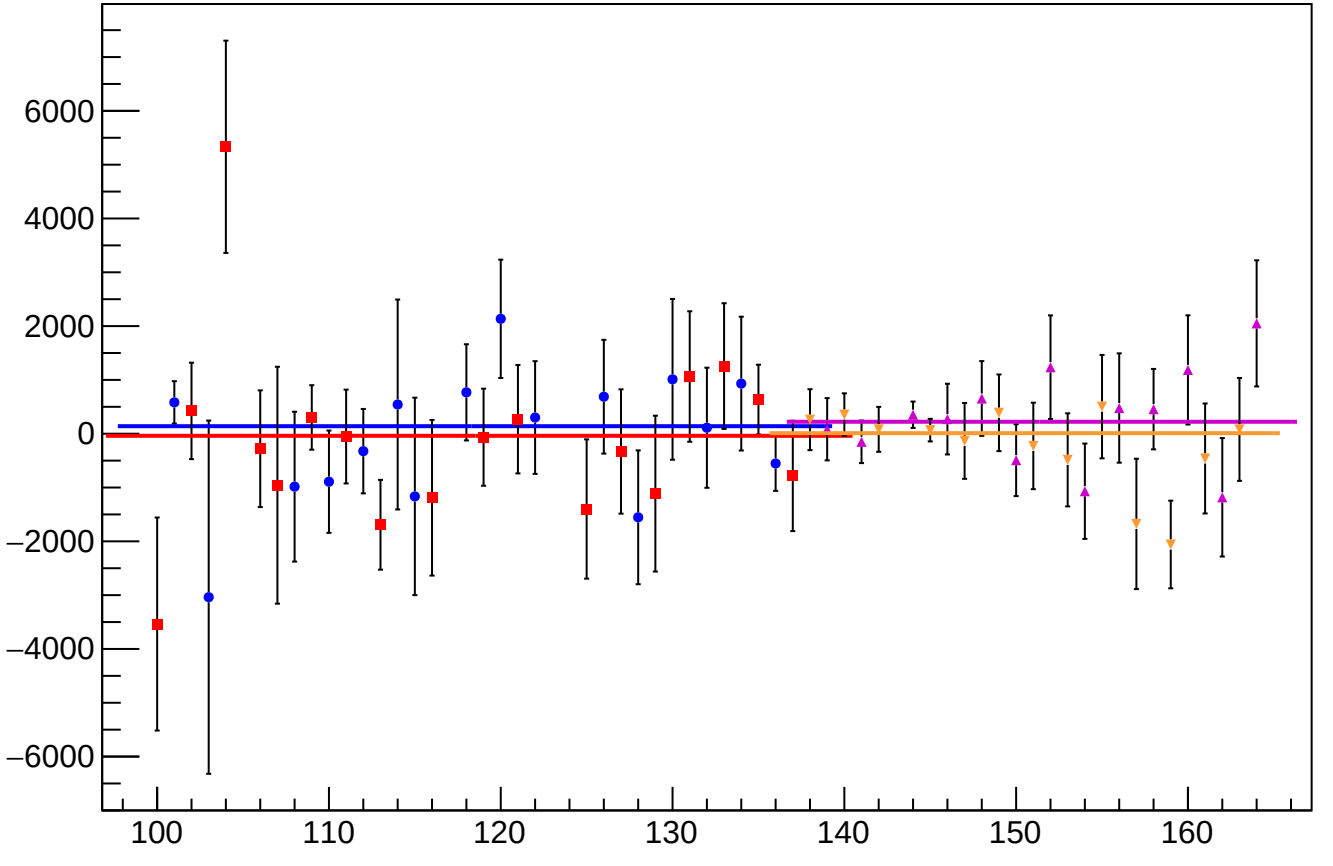
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1781.583+/-0.298 χ^2/NDF:717485.5/28

Out: 1792.814+/-0.304 χ^2/NDF:316435.6/30

All: 1787.098+/-0.213 χ^2/NDF: 1034618.1/59

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: 10.042+/-141.235 χ^2/NDF:10.7/12

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 222.305+/-157.510 χ^2/NDF:11.1/12

Left: 104.645+/-105.153 χ^2/NDF: 22.8/25

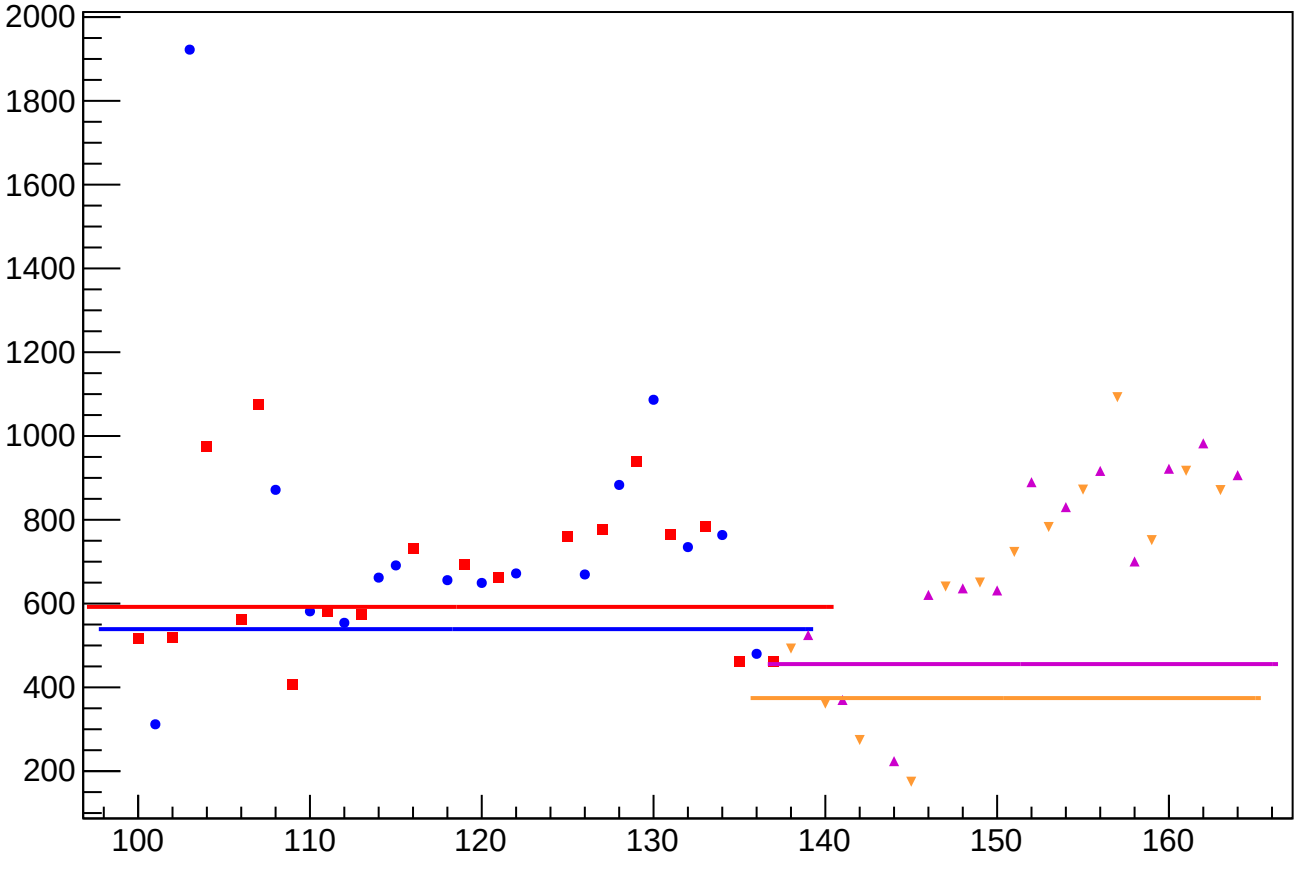
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 194.362+/-128.090 χ^2/NDF:24.7/28

Out: -2.614+/-121.493 χ^2/NDF:32.1/30

All: 90.671+/-88.148 χ^2/NDF: 58.0/59

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: 374.433+/-0.100 χ^2/NDF:6191982.3/12

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 455.572+/-0.111 χ^2/NDF:4878913.2/12

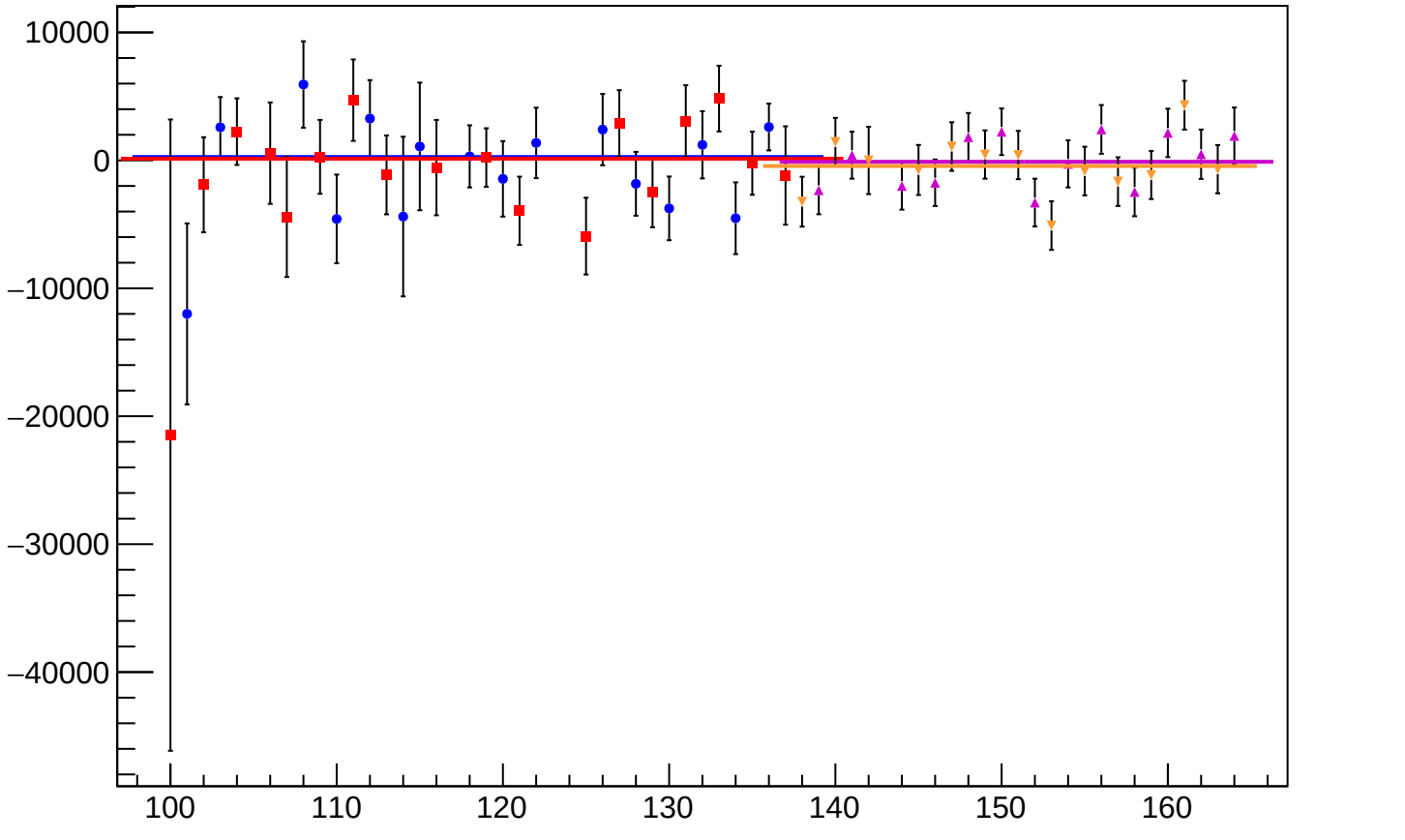
Left: 410.595+/-0.074 χ^2/NDF: 11365083.0/25

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 483.832+/-0.091 χ^2/NDF:6923596.8/28

Out: 431.033+/-0.086 χ^2/NDF:8270299.7/30

All: 456.038+/-0.062 χ^2/NDF: 15372785.3/59



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -442.853+/-537.824 χ^2/NDF:17.0/12

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -109.836+/-524.124 χ^2/NDF:14.6/12

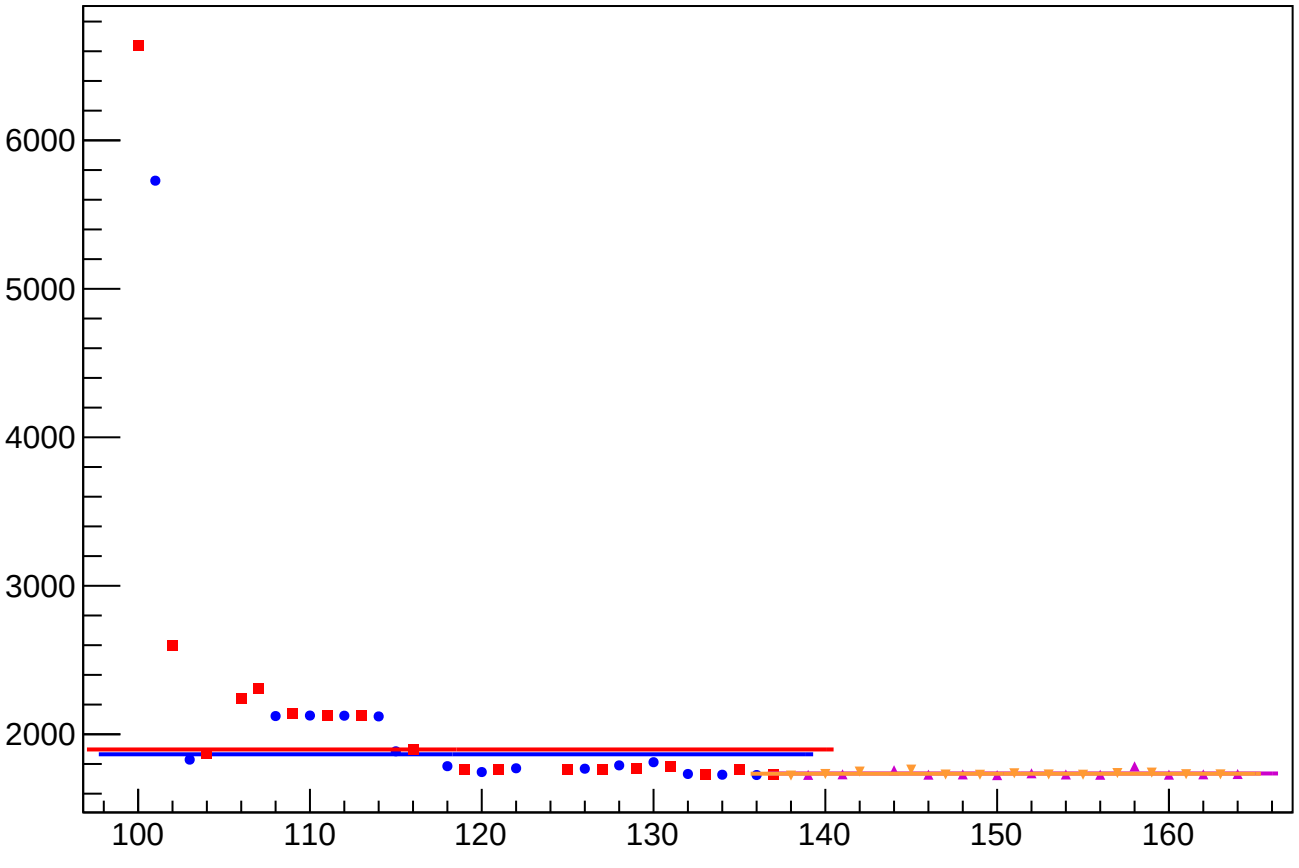
Left: -272.049+/-375.362 χ^2/NDF: 31.8/25

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

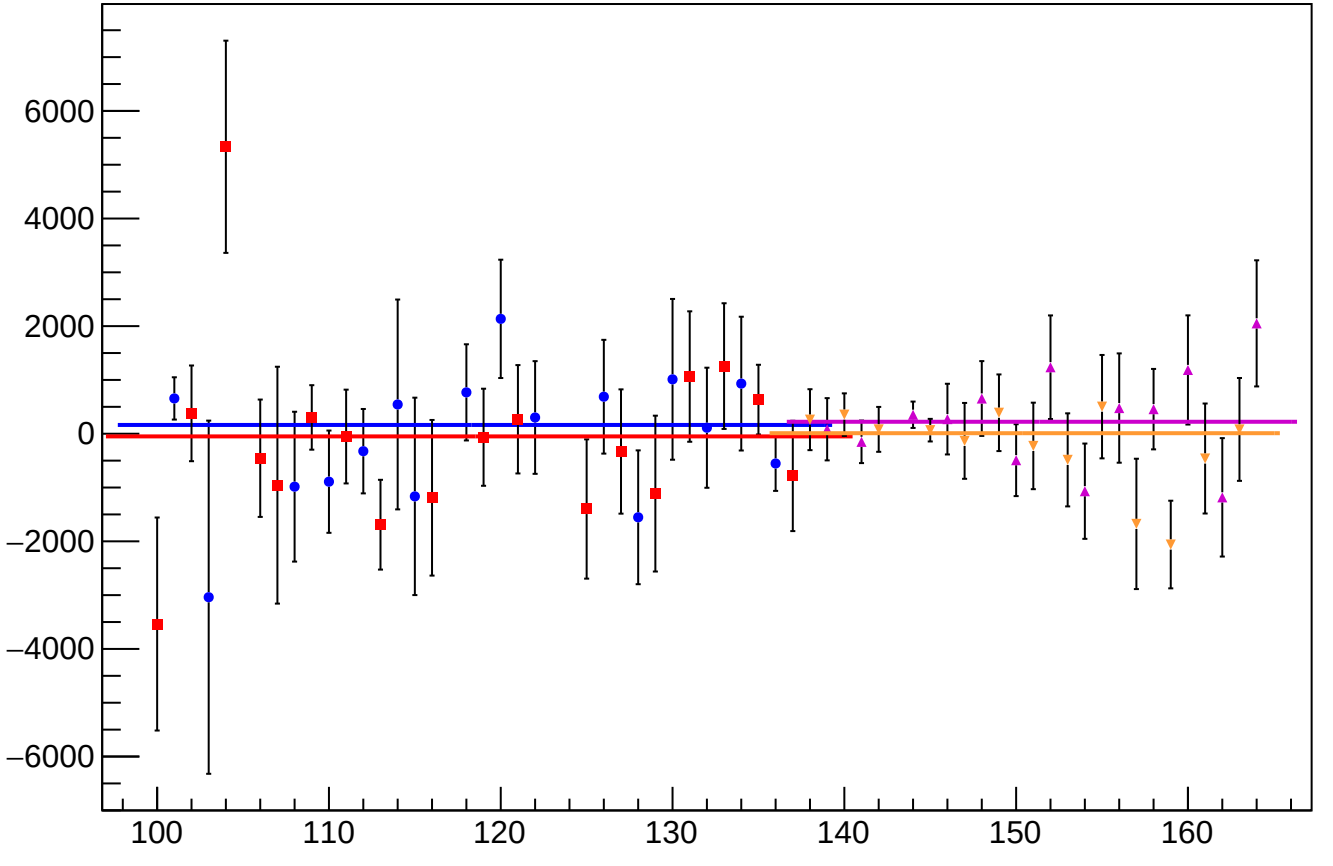
In: 20.577+/-421.612 χ^2/NDF:34.2/28

Out: -235.361+/-429.527 χ^2/NDF:35.4/30

All: -105.012+/-300.884 χ^2/NDF: 69.8/59


cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1734.417+/-0.380 χ²/NDF:689.0/12
Right Out: 1897.700+/-0.505 χ²/NDF: 257735.0/17
Left In: 1735.994+/-0.371 χ²/NDF:1885.6/12
Left: 1735.226+/-0.265 χ²/NDF: 2583.3/25
Right: 1881.343+/-0.356 χ²/NDF: 932548.8/33
In: 1781.583+/-0.298 χ²/NDF:717485.4/28
Out: 1793.555+/-0.304 χ²/NDF:325189.7/30
All: 1787.457+/-0.213 χ²/NDF: 1043466.4/59

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: 9.889+/-141.238 χ^2/NDF:10.7/12

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 222.297+/-157.511 χ^2/NDF:11.1/12

Left: 104.557+/-105.154 χ^2/NDF: 22.8/25

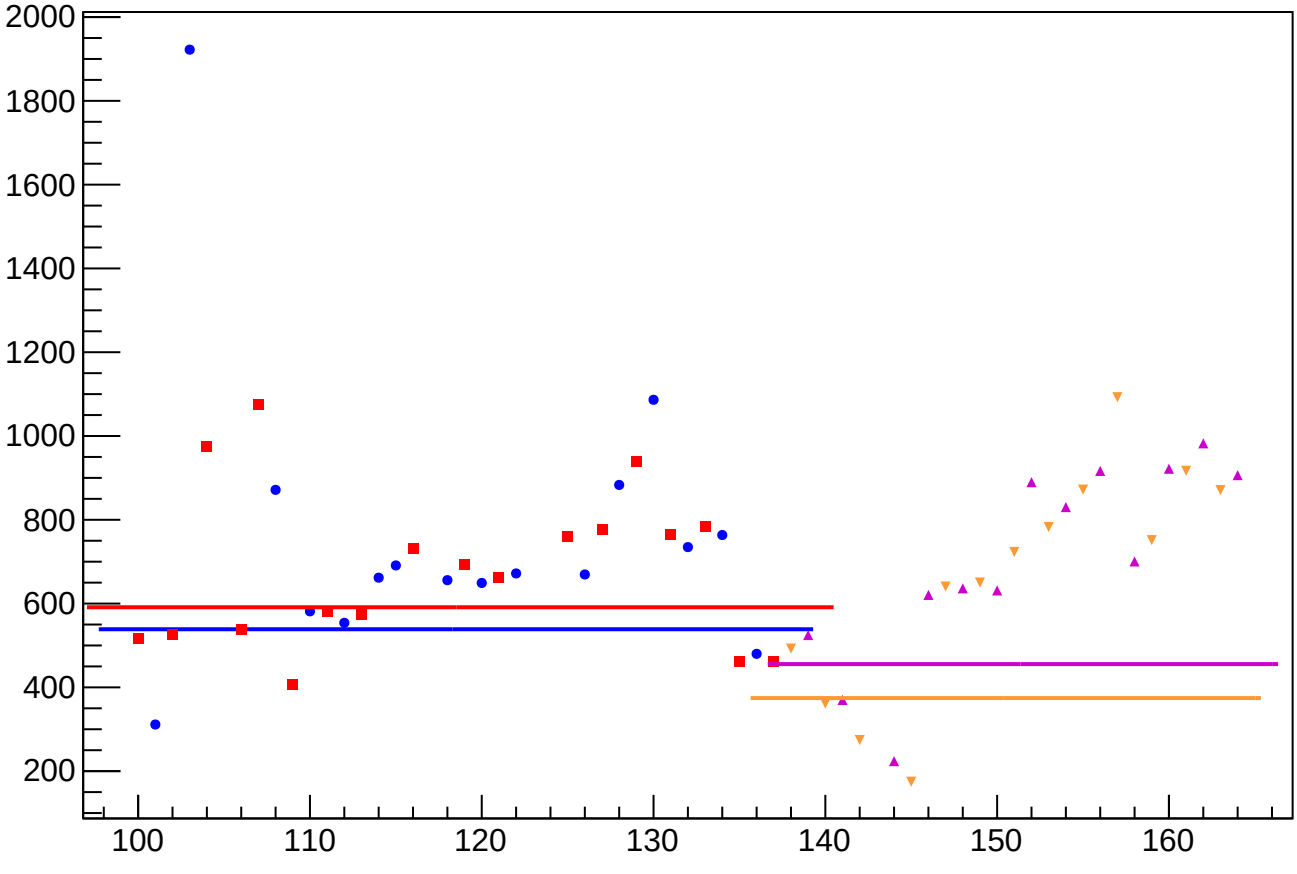
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 202.256+/-128.075 χ^2/NDF:25.1/28

Out: -5.590+/-121.487 χ^2/NDF:32.2/30

All: 92.850+/-88.141 χ^2/NDF: 58.6/59

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: 374.442+/-0.100 χ^2/NDF:6191751.0/12

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 455.580+/-0.111 χ^2/NDF:4878572.1/12

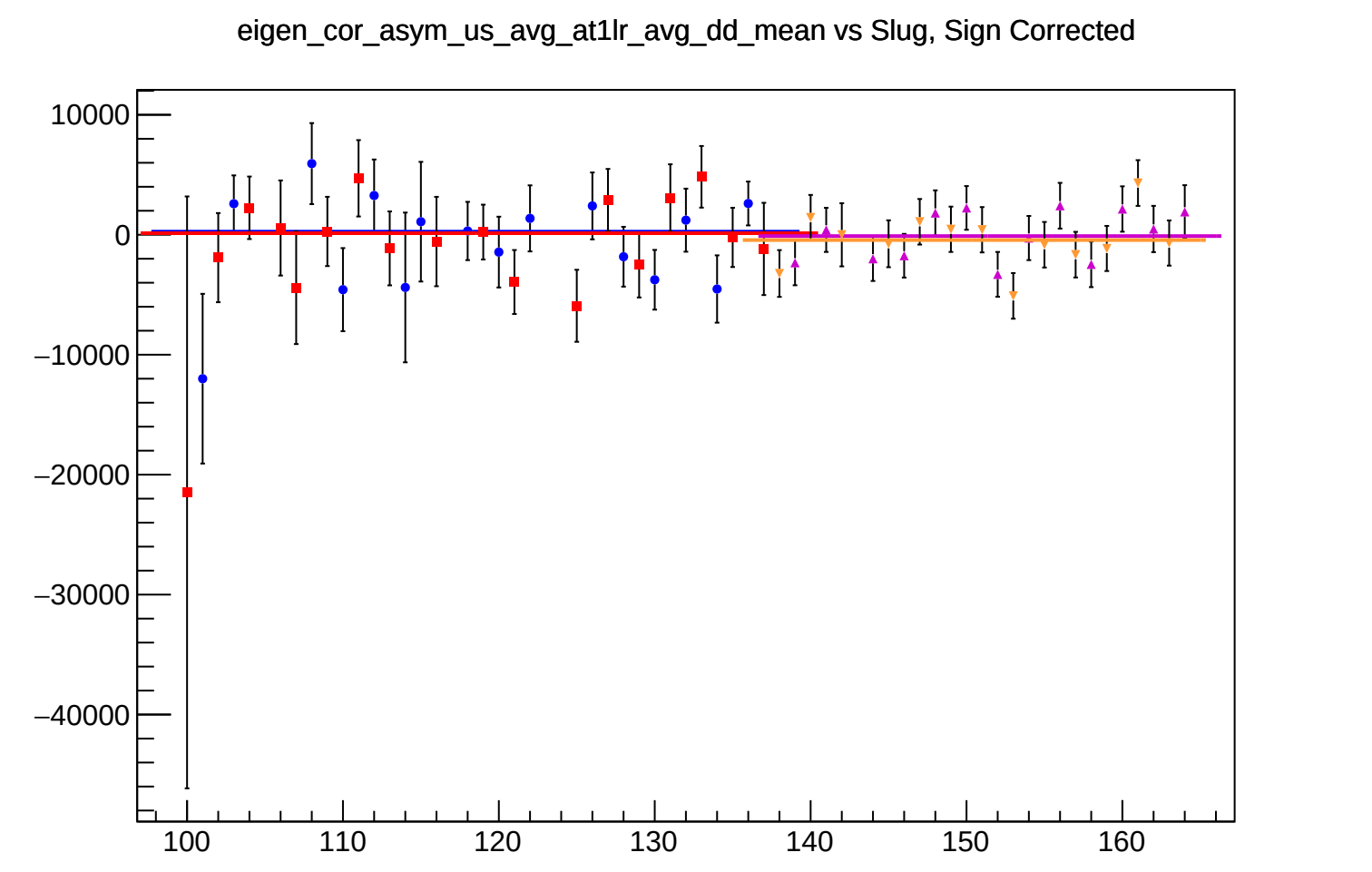
Left: 410.605+/-0.074 χ^2/NDF: 11364499.7/25

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 483.745+/-0.091 χ^2/NDF:6926196.6/28

Out: 430.837+/-0.086 χ^2/NDF:8262111.6/30

All: 455.895+/-0.062 χ^2/NDF: 15367963.4/59



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -442.853+/-537.824 χ^2/NDF:17.0/12

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -109.836+/-524.124 χ^2/NDF:14.6/12

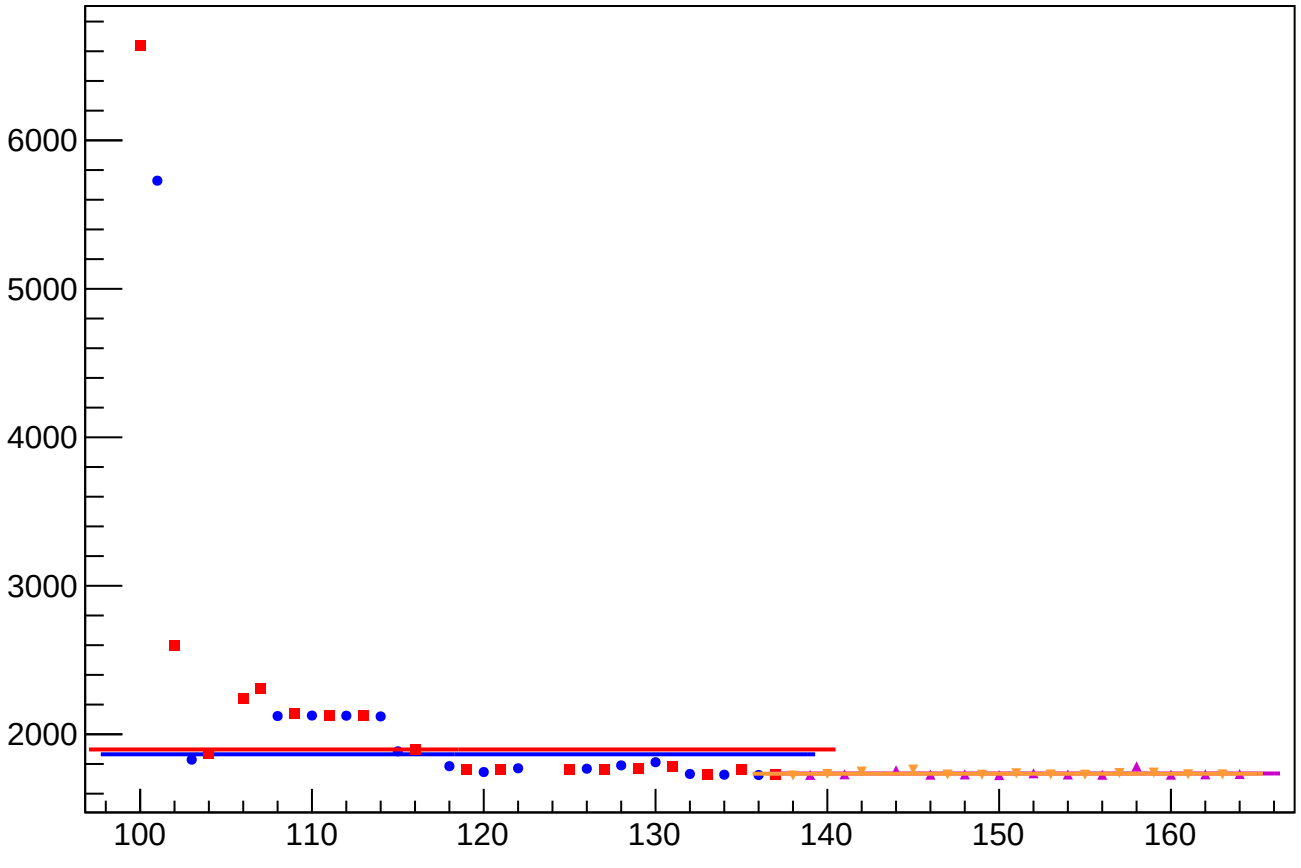
Left: -272.049+/-375.362 χ^2/NDF: 31.8/25

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

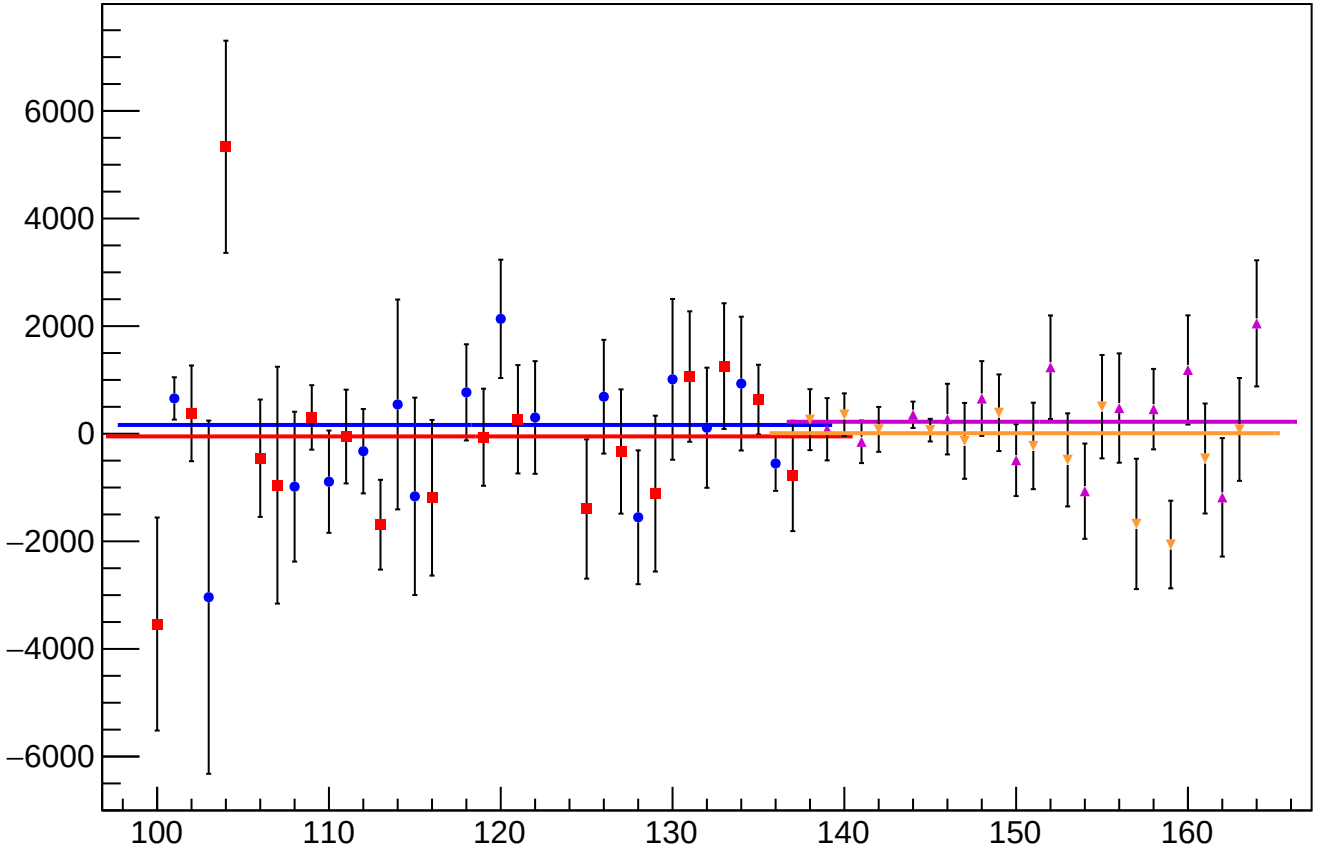
In: 20.577+/-421.612 χ^2/NDF:34.2/28

Out: -235.361+/-429.527 χ^2/NDF:35.4/30

All: -105.012+/-300.884 χ^2/NDF: 69.8/59


eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1734.417+/-0.380 χ²/NDF:689.0/12
Right Out: 1897.700+/-0.505 χ²/NDF: 257735.0/17
Left In: 1735.994+/-0.371 χ²/NDF:1885.6/12
Left: 1735.226+/-0.265 χ²/NDF: 2583.3/25
Right: 1881.343+/-0.356 χ²/NDF: 932548.8/33
In: 1781.583+/-0.298 χ²/NDF:717485.4/28
Out: 1793.555+/-0.304 χ²/NDF:325189.7/30
All: 1787.457+/-0.213 χ²/NDF: 1043466.4/59

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: 9.889+/-141.238 χ^2/NDF:10.7/12

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 222.297+/-157.511 χ^2/NDF:11.1/12

Left: 104.557+/-105.154 χ^2/NDF: 22.8/25

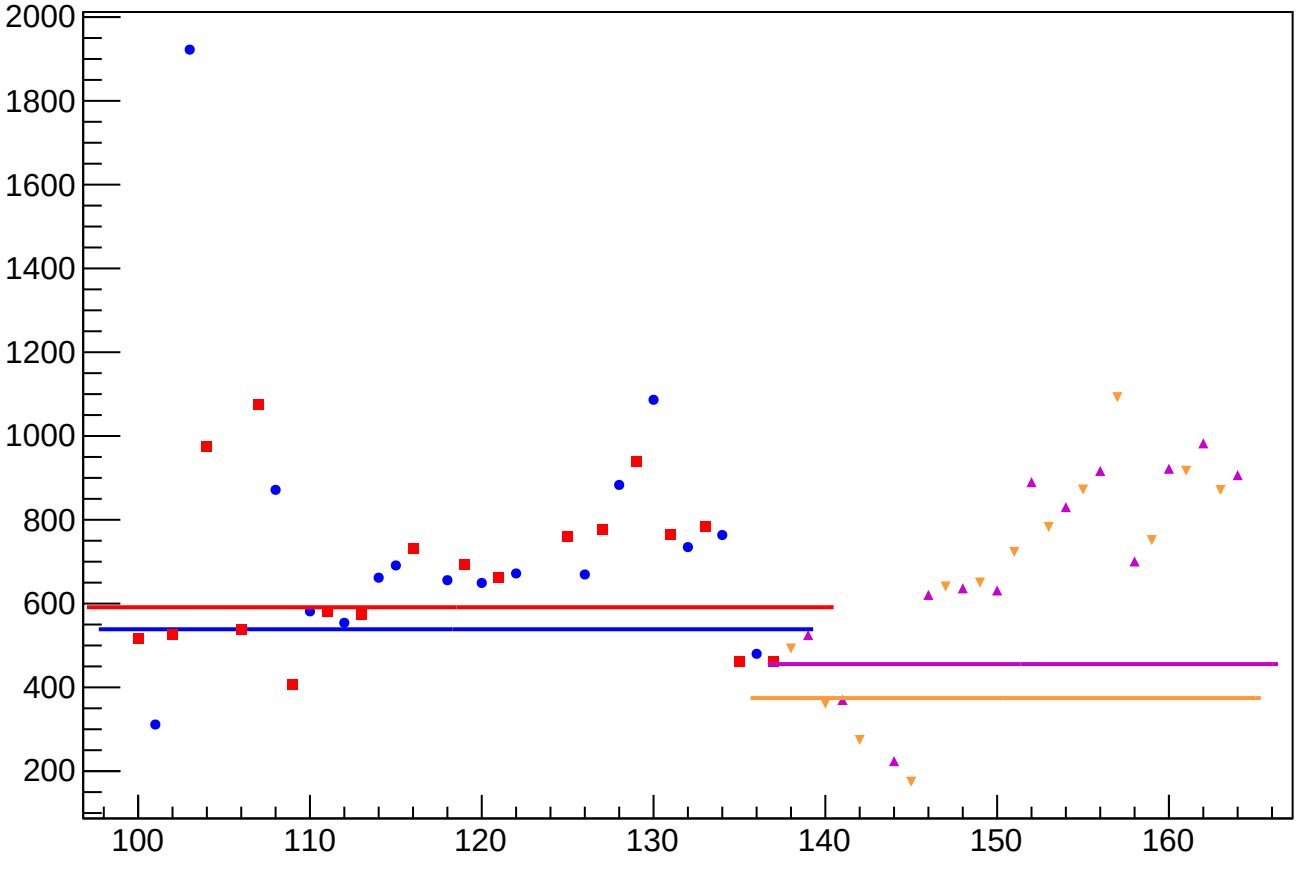
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 202.256+/-128.075 χ^2/NDF:25.1/28

Out: -5.590+/-121.487 χ^2/NDF:32.2/30

All: 92.850+/-88.141 χ^2/NDF: 58.6/59

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: 374.442+/-0.100 χ^2/NDF:6191751.0/12

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 455.580+/-0.111 χ^2/NDF:4878572.1/12

Left: 410.605+/-0.074 χ^2/NDF: 11364499.7/25

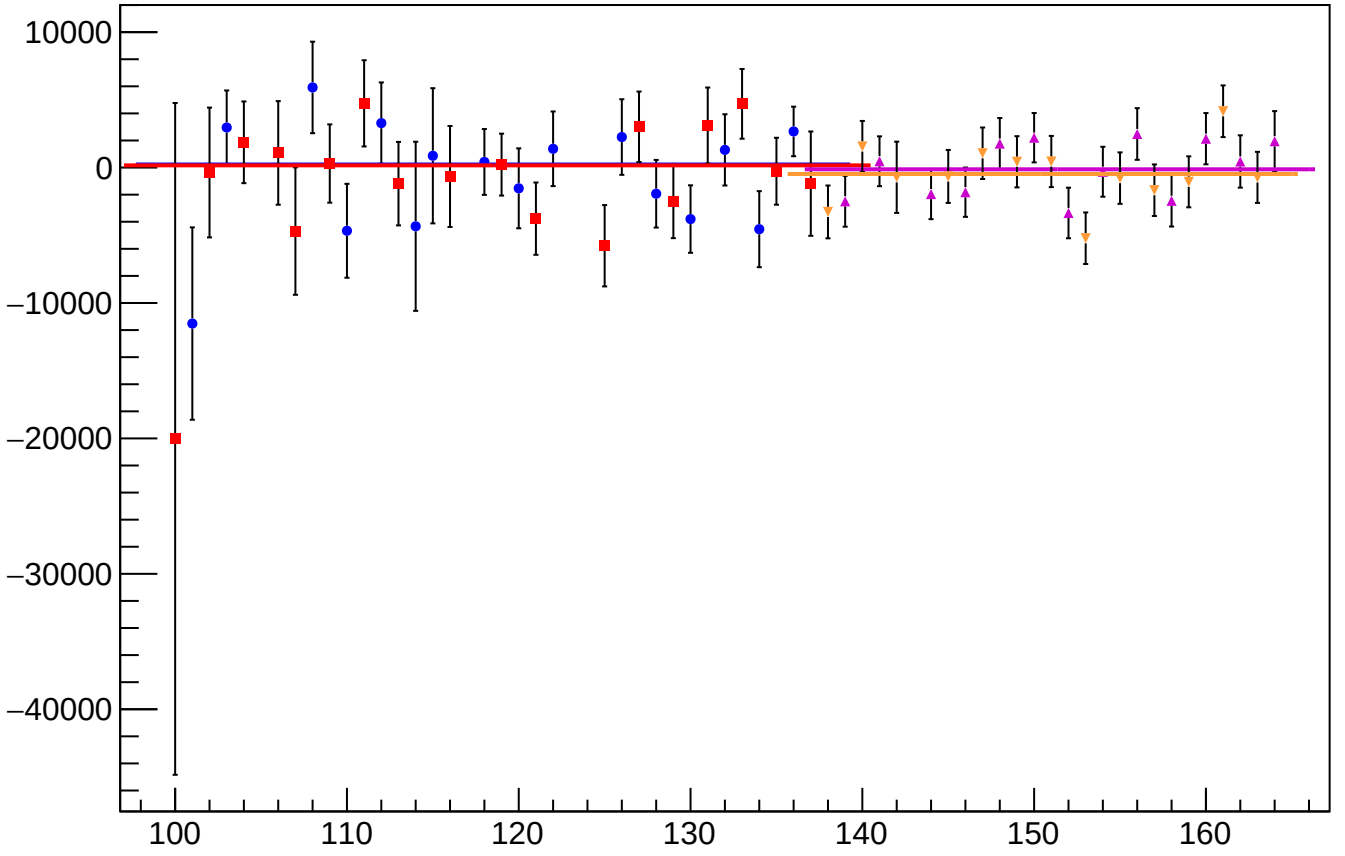
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 483.745+/-0.091 χ^2/NDF:6926196.6/28

Out: 430.837+/-0.086 χ^2/NDF:8262111.6/30

All: 455.895+/-0.062 χ^2/NDF: 15367963.4/59

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: -474.100+/-538.184 χ^2/NDF:17.0/12

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -127.523+/-524.456 χ^2/NDF:14.9/12

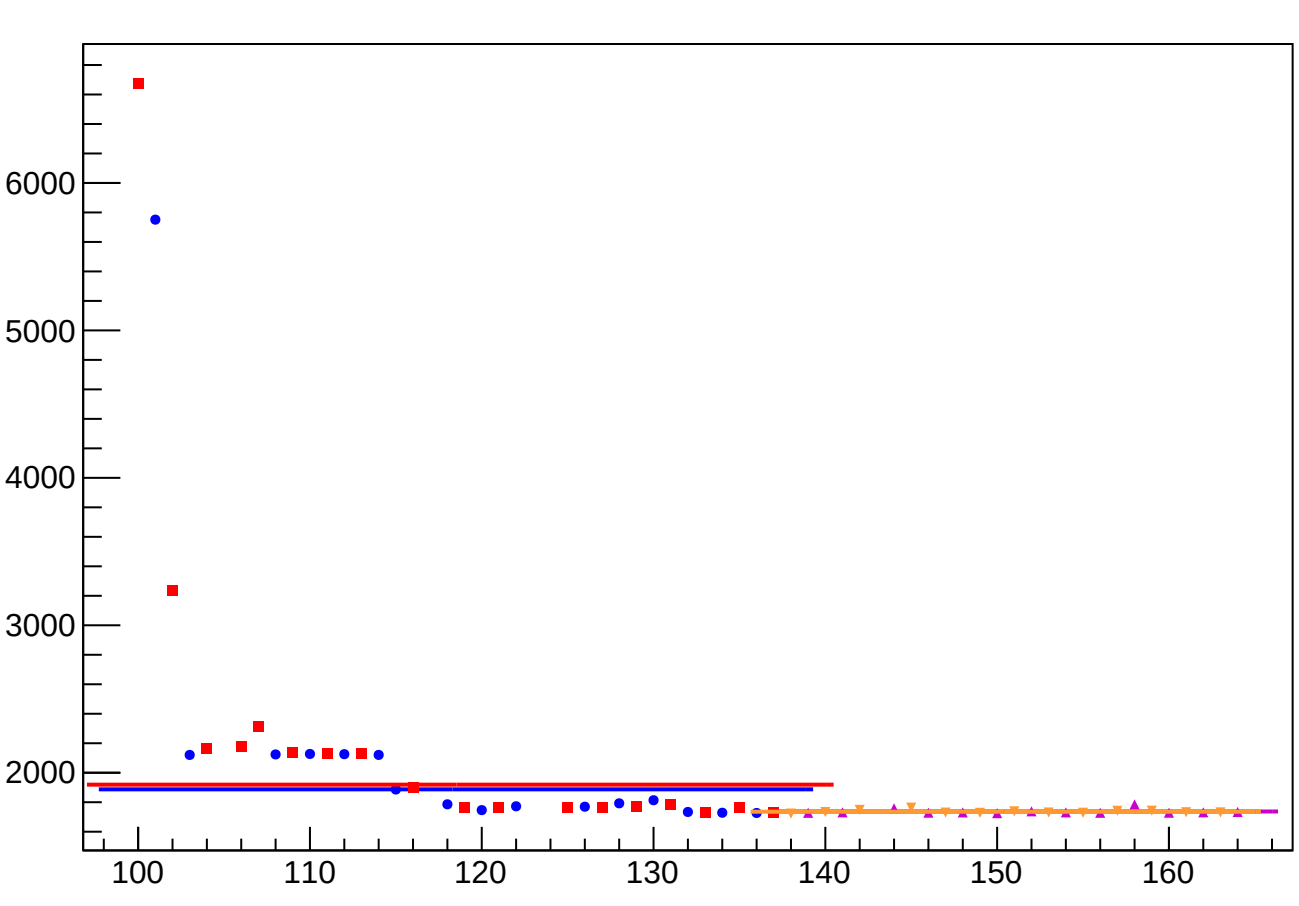
Left: -296.335+/-375.606 χ^2/NDF: 32.1/25

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -4.572+/-423.622 χ^2/NDF:34.5/28

Out: -247.825+/-432.303 χ^2/NDF:34.5/30

All: -123.732+/-302.568 χ^2/NDF: 69.2/59



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.573+/-0.381 χ^2/NDF:694.8/12

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1737.094+/-0.371 χ^2/NDF:1884.4/12

Left: 1736.353+/-0.266 χ^2/NDF: 2587.4/25

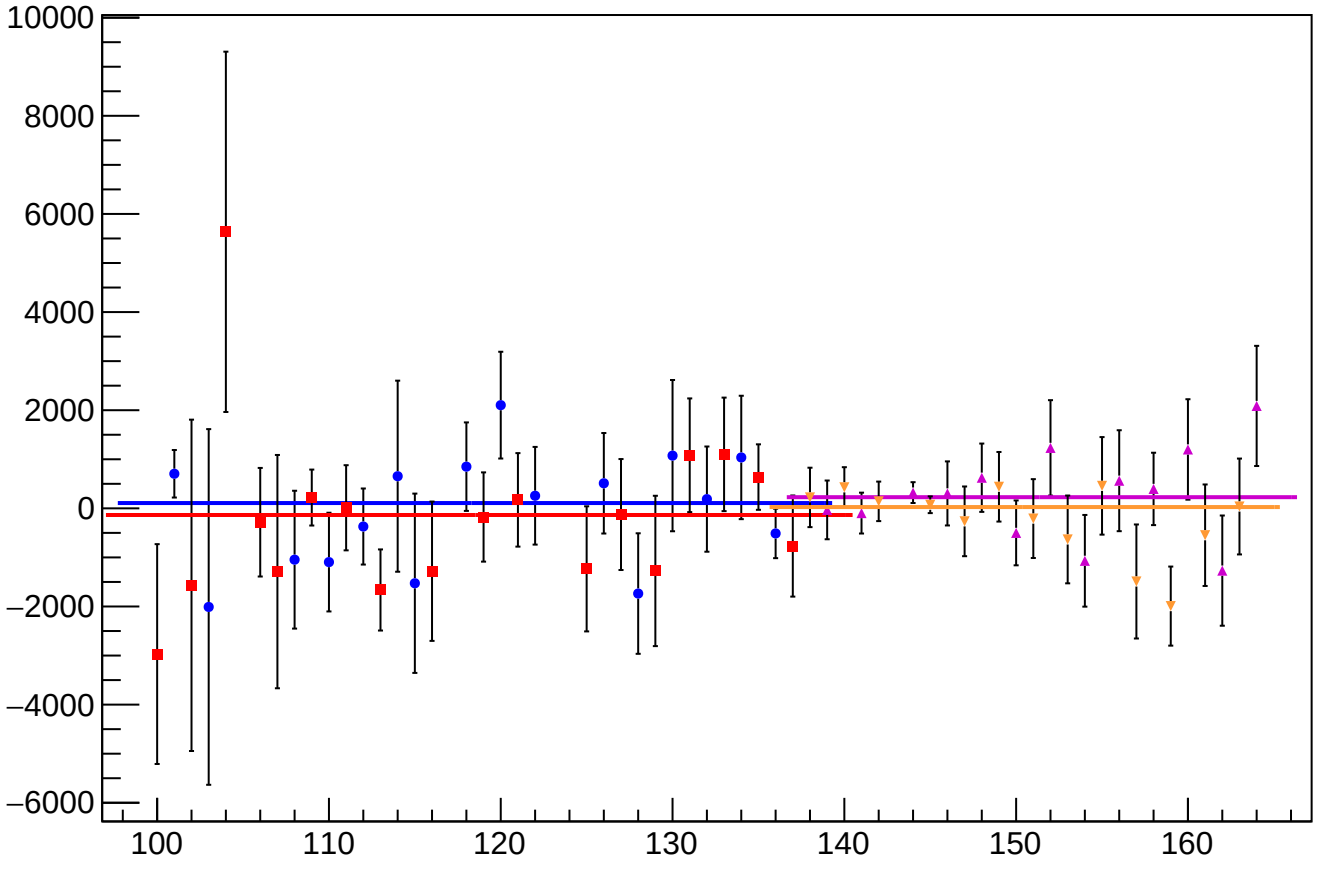
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1789.303+/-0.300 χ^2/NDF:748354.2/28

Out: 1800.705+/-0.306 χ^2/NDF:435831.2/30

All: 1794.889+/-0.214 χ^2/NDF: 1184895.1/59

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: 26.274+/-127.665 χ^2/NDF:10.8/12

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 227.603+/-149.321 χ^2/NDF:10.7/12

Left: 111.294+/-97.035 χ^2/NDF: 22.6/25

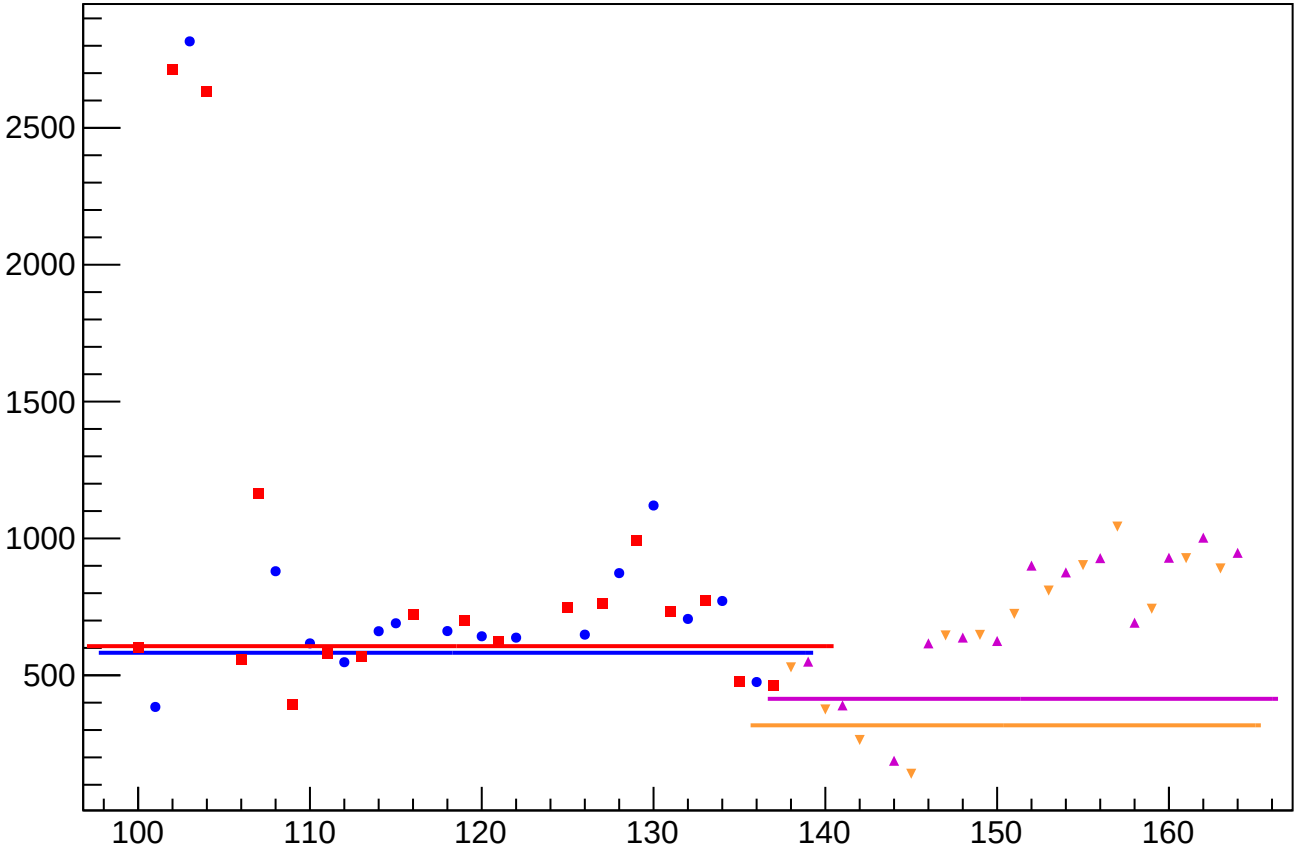
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 192.547+/-125.516 χ^2/NDF:25.0/28

Out: -8.036+/-113.308 χ^2/NDF:25.5/30

All: 82.029+/-84.107 χ^2/NDF: 52.0/59

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 317.217+/-0.090 χ^2/NDF:7878899.6/12

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 413.996+/-0.106 χ^2/NDF:6195605.4/12

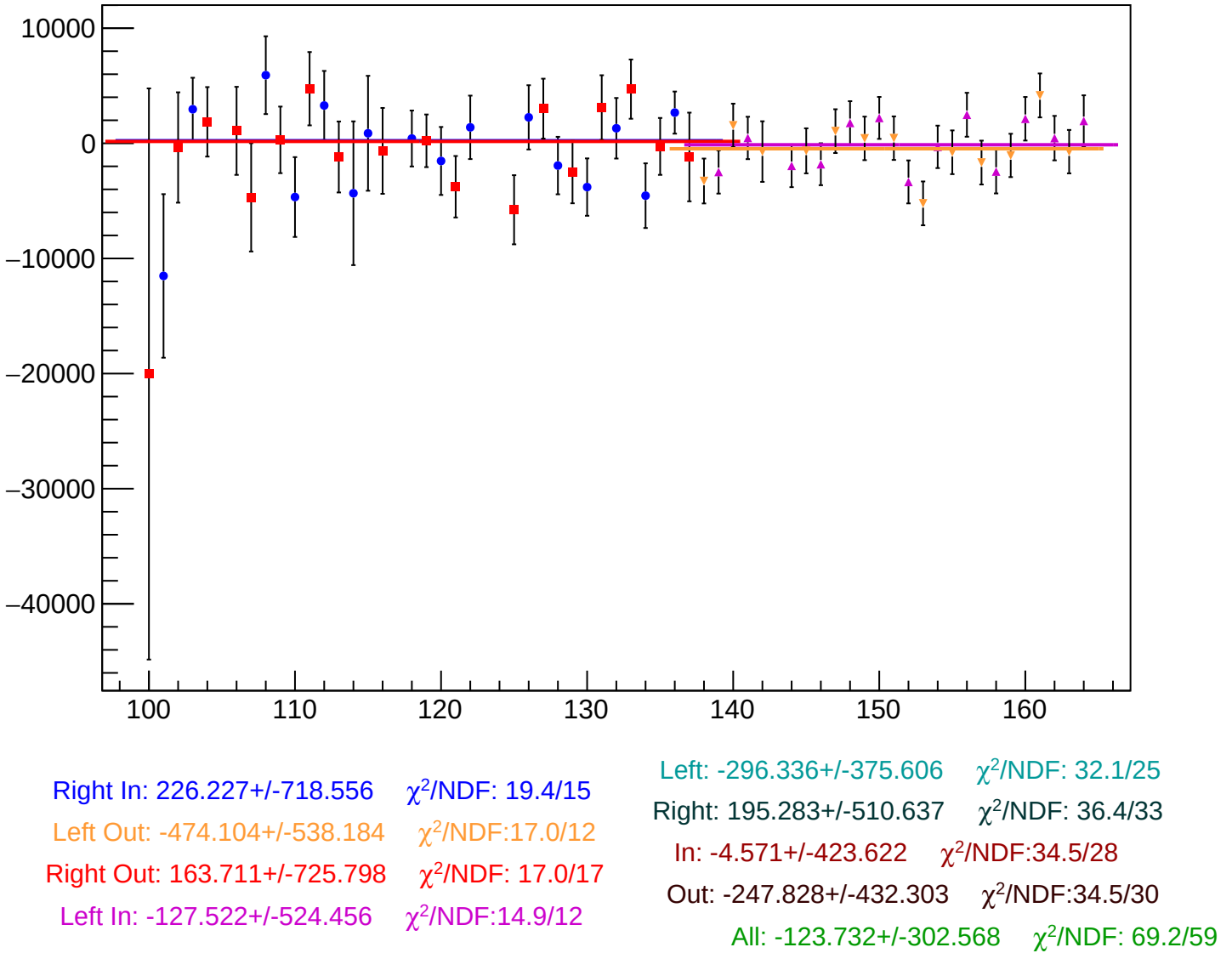
Left: 358.086+/-0.069 χ^2/NDF: 14559859.6/25

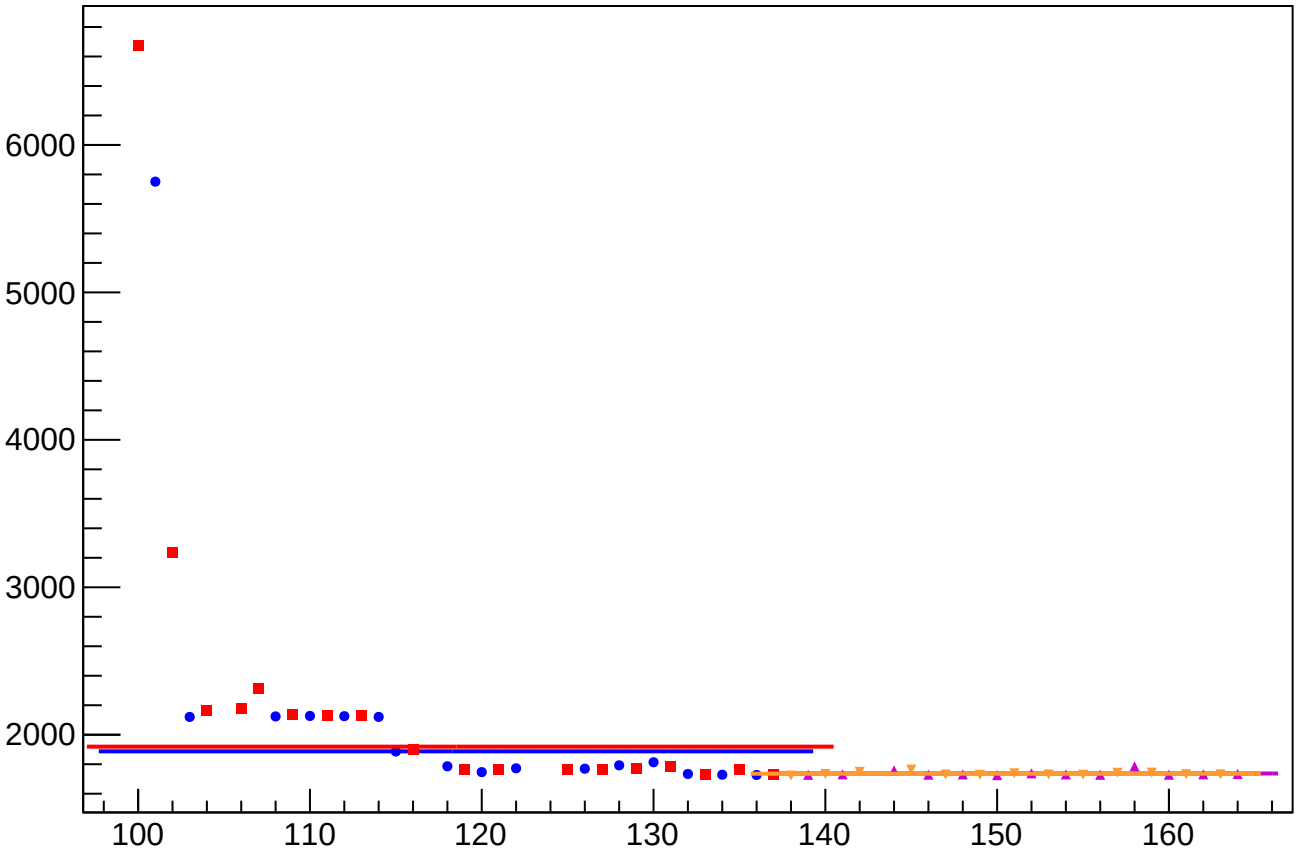
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 463.373+/-0.089 χ^2/NDF:8695197.7/28

Out: 378.613+/-0.080 χ^2/NDF:12256364.2/30

All: 416.672+/-0.059 χ^2/NDF: 21454081.1/59


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
160
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -474.104+/-538.184 χ²/NDF:17.0/12
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -127.522+/-524.456 χ²/NDF:14.9/12
Left: -296.336+/-375.606 χ²/NDF: 32.1/25
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -4.571+/-423.622 χ²/NDF:34.5/28
Out: -247.828+/-432.303 χ²/NDF:34.5/30
All: -123.732+/-302.568 χ²/NDF: 69.2/59



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1735.573+/-0.381 χ^2/NDF:694.8/12

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1737.094+/-0.371 χ^2/NDF:1884.4/12

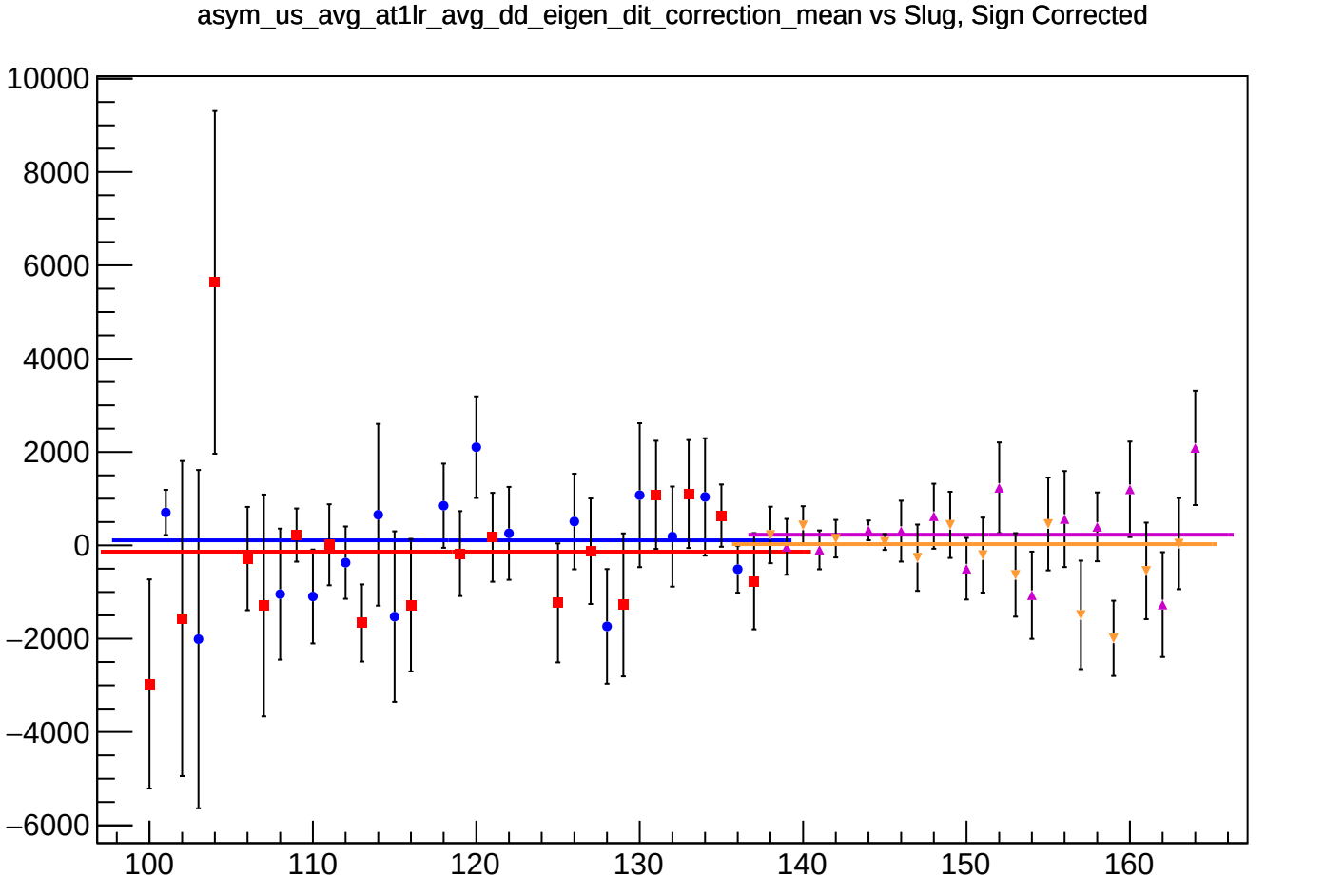
Left: 1736.353+/-0.266 χ^2/NDF: 2587.4/25

Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1789.303+/-0.300 χ^2/NDF:748353.9/28

Out: 1800.705+/-0.306 χ^2/NDF:435830.3/30

All: 1794.889+/-0.214 χ^2/NDF: 1184893.9/59



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 26.272+/-127.666 χ^2/NDF:10.8/12

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 227.604+/-149.322 χ^2/NDF:10.7/12

Left: 111.293+/-97.035 χ^2/NDF: 22.6/25

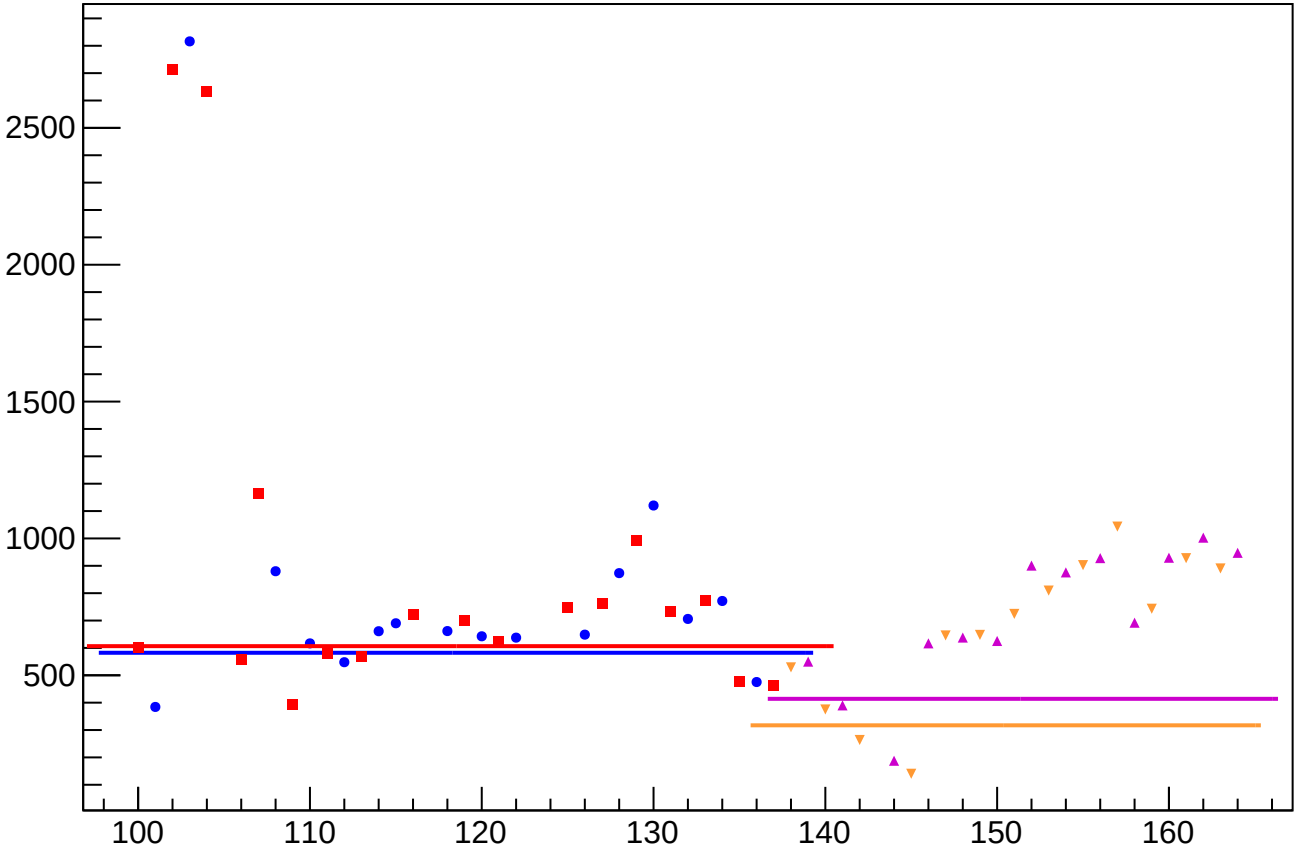
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 192.546+/-125.516 χ^2/NDF:25.0/28

Out: -8.037+/-113.308 χ^2/NDF:25.5/30

All: 82.028+/-84.107 χ^2/NDF: 52.0/59

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 317.217+/-0.090 χ^2/NDF:7878930.0/12

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 413.997+/-0.106 χ^2/NDF:6195624.6/12

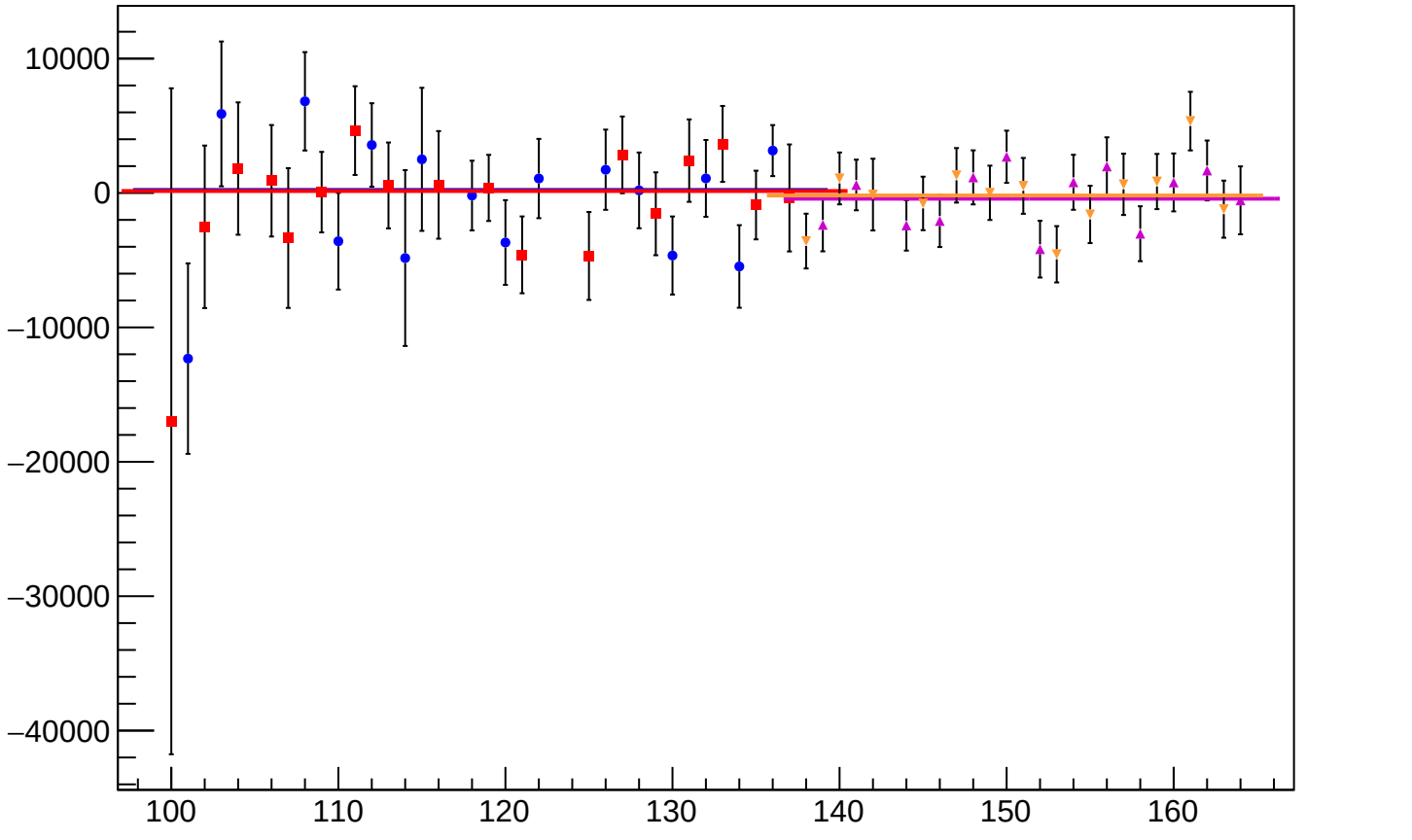
Left: 358.086+/-0.069 χ^2/NDF: 14559913.6/25

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 463.373+/-0.089 χ^2/NDF:8695187.6/28

Out: 378.613+/-0.080 χ^2/NDF:12256372.6/30

All: 416.672+/-0.059 χ^2/NDF: 21454084.8/59



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -184.313+/-584.174 χ^2/NDF:15.8/12

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -423.111+/-568.683 χ^2/NDF:13.9/12

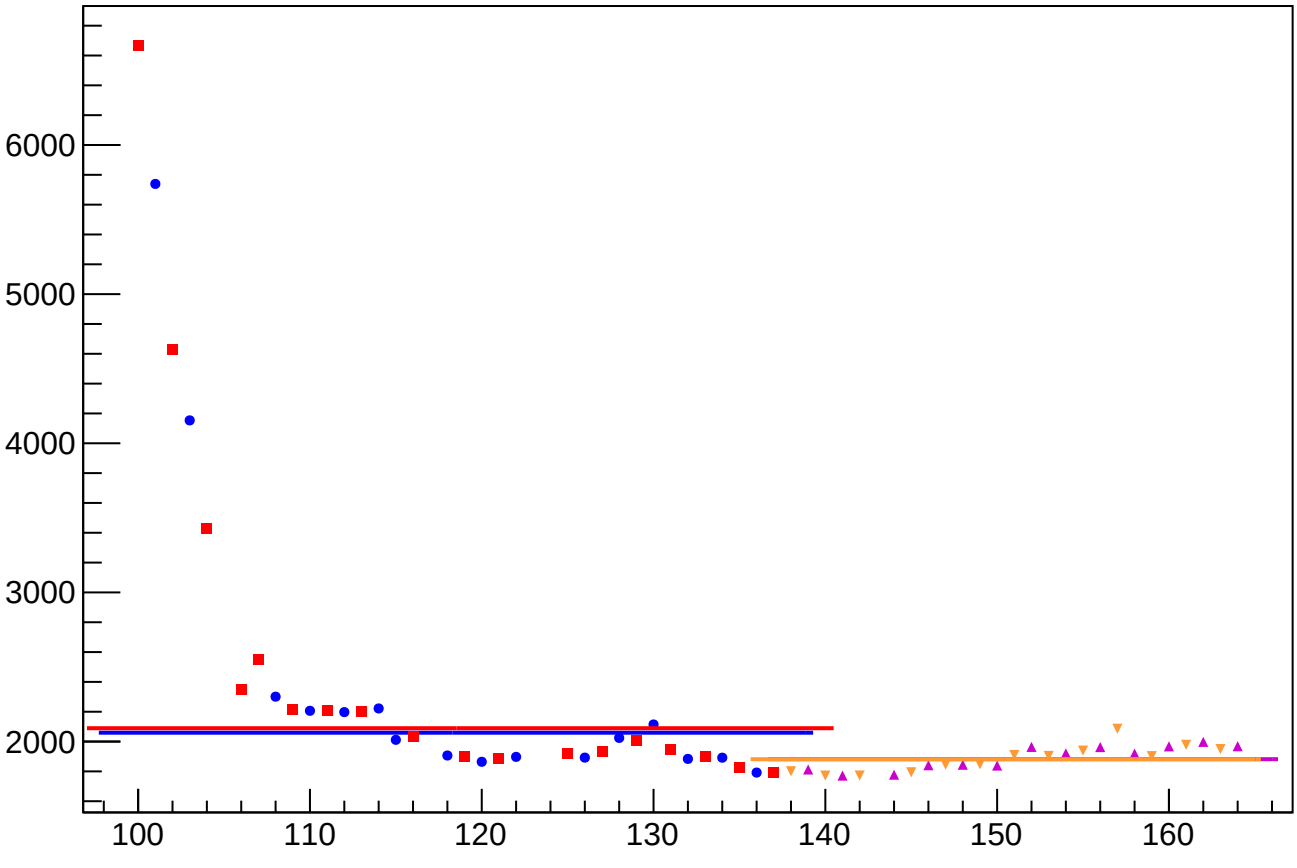
Left: -306.920+/-407.486 χ^2/NDF: 29.8/25

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -202.678+/-461.872 χ^2/NDF:35.5/28

Out: -67.648+/-470.579 χ^2/NDF:27.5/30

All: -136.424+/-329.628 χ^2/NDF: 63.1/59



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1881.586+/-0.413 χ^2/NDF:42289.9/12

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1881.881+/-0.402 χ^2/NDF:36247.4/12

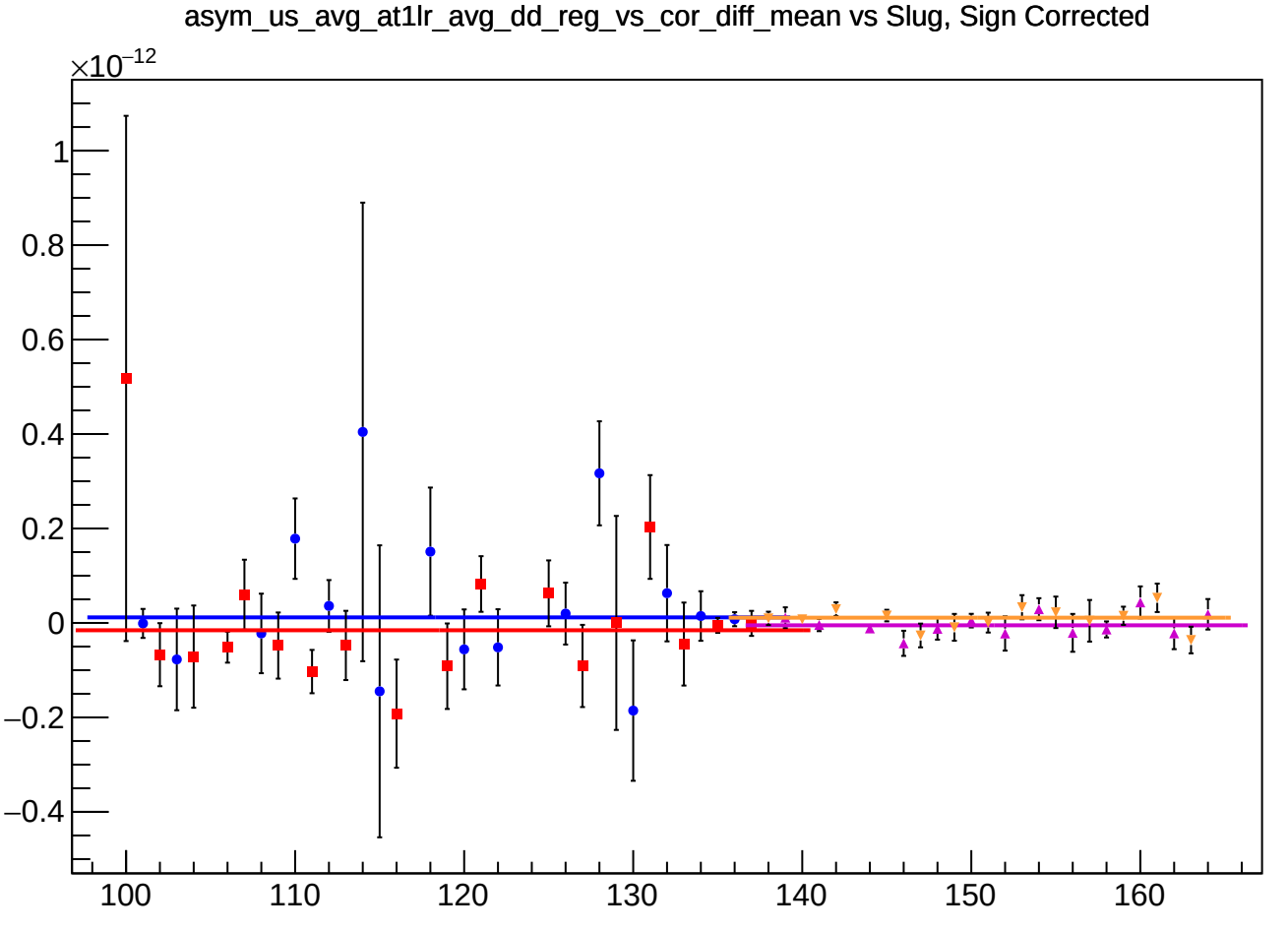
Left: 1881.738+/-0.288 χ^2/NDF: 78537.6/25

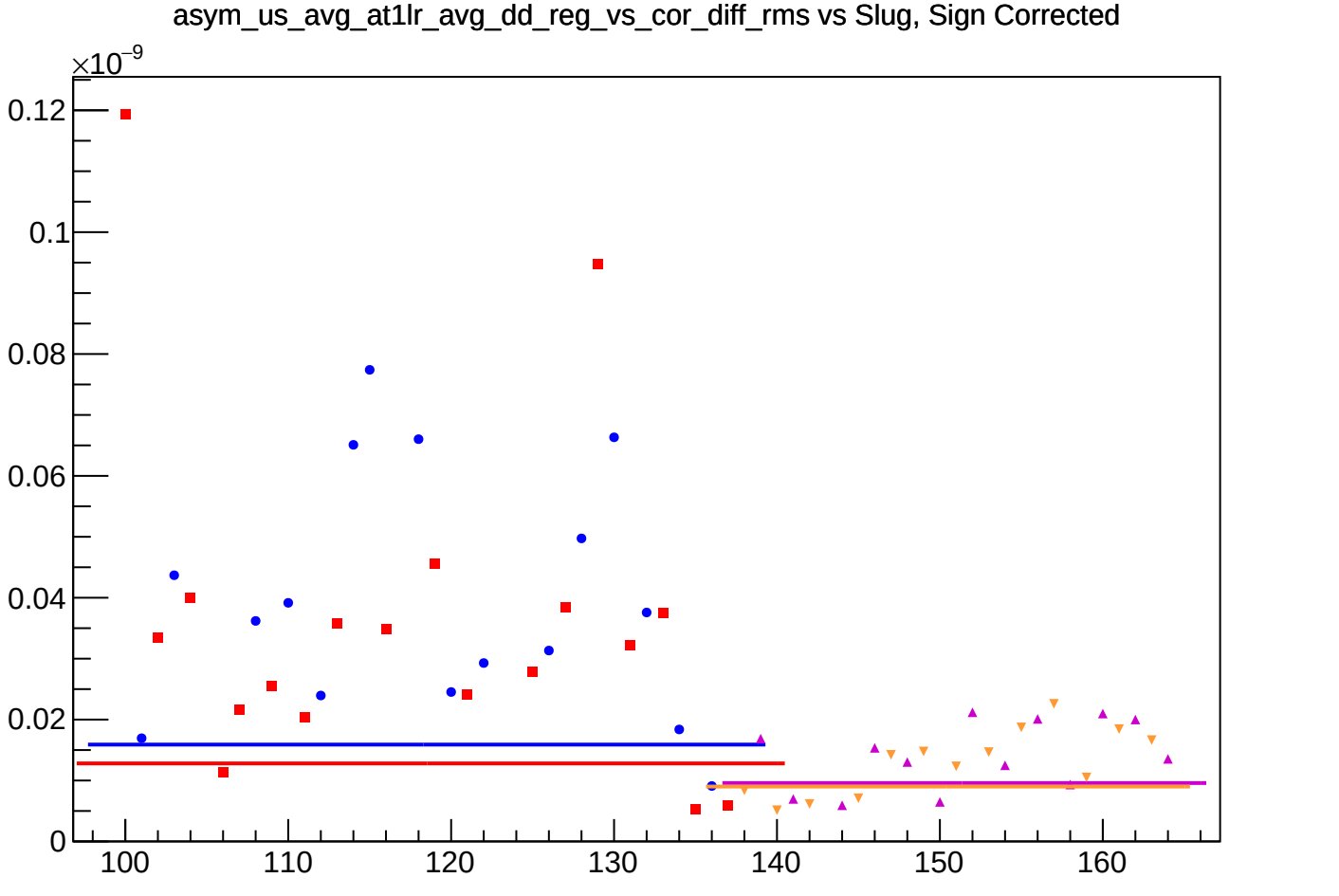
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1942.335+/-0.327 χ^2/NDF:1042525.0/28

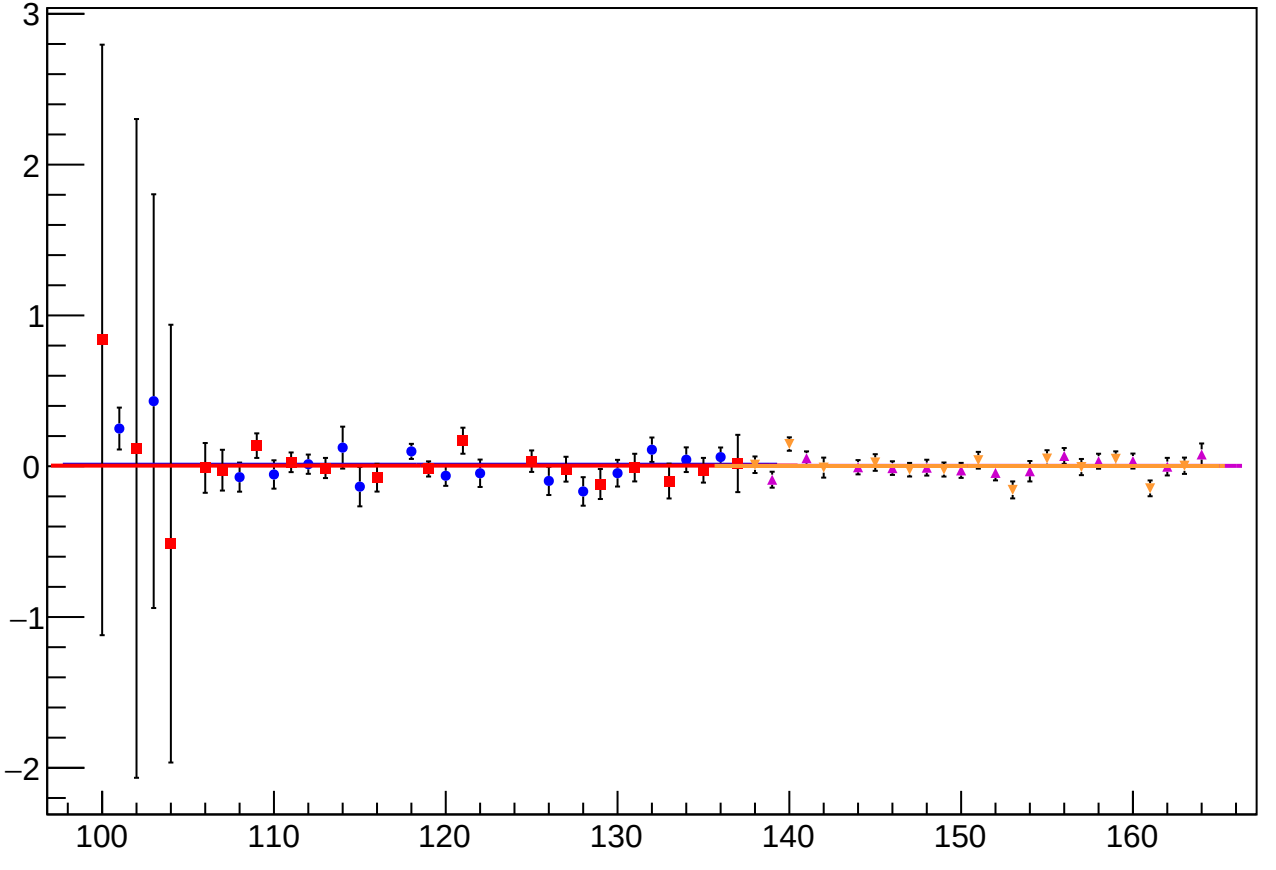
Out: 1954.576+/-0.333 χ^2/NDF:812684.2/30

All: 1948.342+/-0.233 χ^2/NDF: 1855898.5/59


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:10.5/12
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:9.3/12
Left: 0.000+/-0.000 χ²/NDF: 24.9/25
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:29.1/28
Out: 0.000+/-0.000 χ²/NDF:36.4/30
All: 0.000+/-0.000 χ²/NDF: 67.2/59


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1935582.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1486386.0/12
Right Out: 0.000+/-0.000 χ²/NDF: 2486058.2/17
Left In: 0.000+/-0.000 χ²/NDF:1670168.0/12
Left: 0.000+/-0.000 χ²/NDF: 3169455.2/25
Right: 0.000+/-0.000 χ²/NDF: 4498662.7/33
In: 0.000+/-0.000 χ²/NDF:4100788.8/28
Out: 0.000+/-0.000 χ²/NDF:4180459.4/30
All: 0.000+/-0.000 χ²/NDF: 8323772.7/59

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: 0.002+/-0.014 χ^2/NDF:29.6/12

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/12

Left: 0.002+/-0.010 χ^2/NDF: 39.1/25

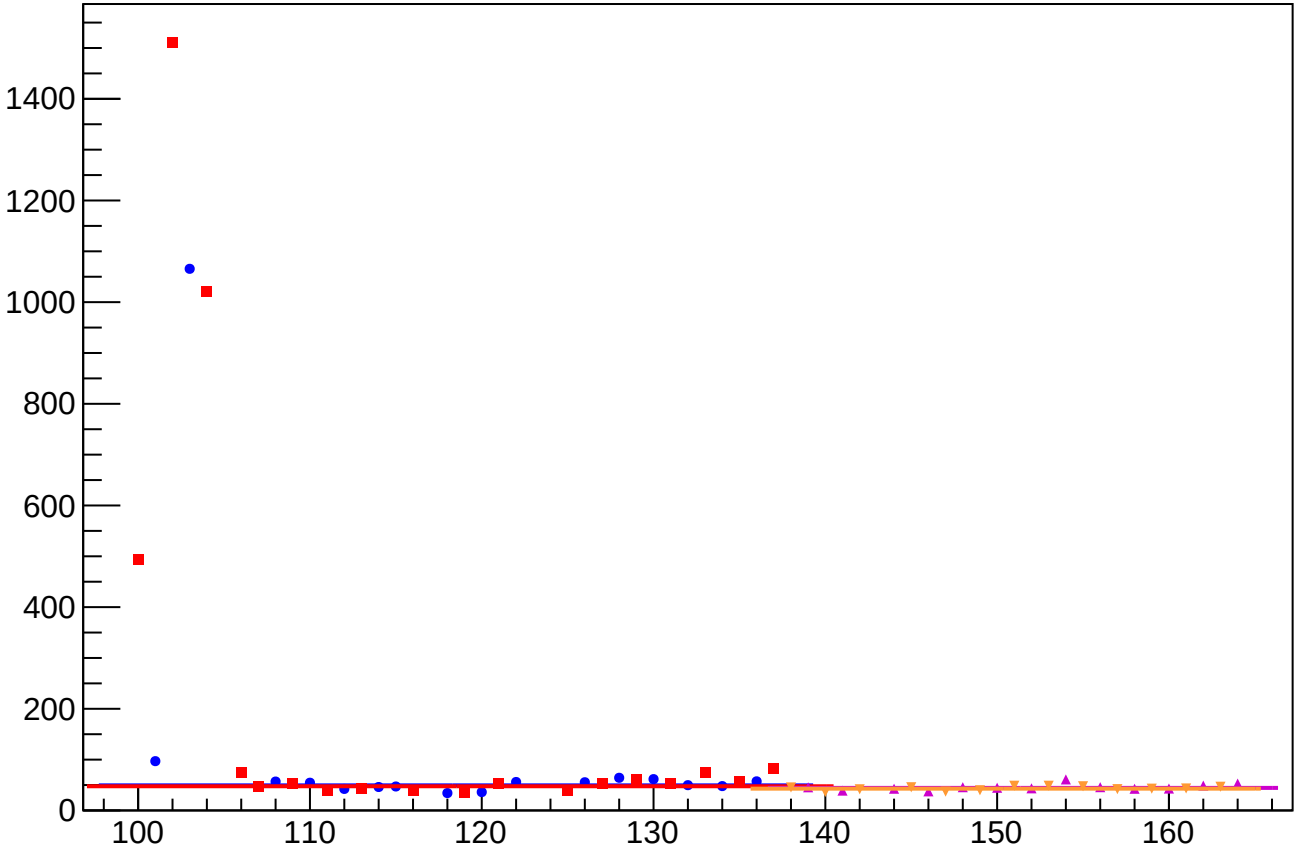
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.012 χ^2/NDF:28.0/28

Out: 0.002+/-0.012 χ^2/NDF:40.1/30

All: 0.004+/-0.008 χ^2/NDF: 68.1/59

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: 42.898+/-0.010 χ^2/NDF:162056.5/12

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.378+/-0.010 χ^2/NDF:243828.0/12

Left: 43.643+/-0.007 χ^2/NDF: 416399.2/25

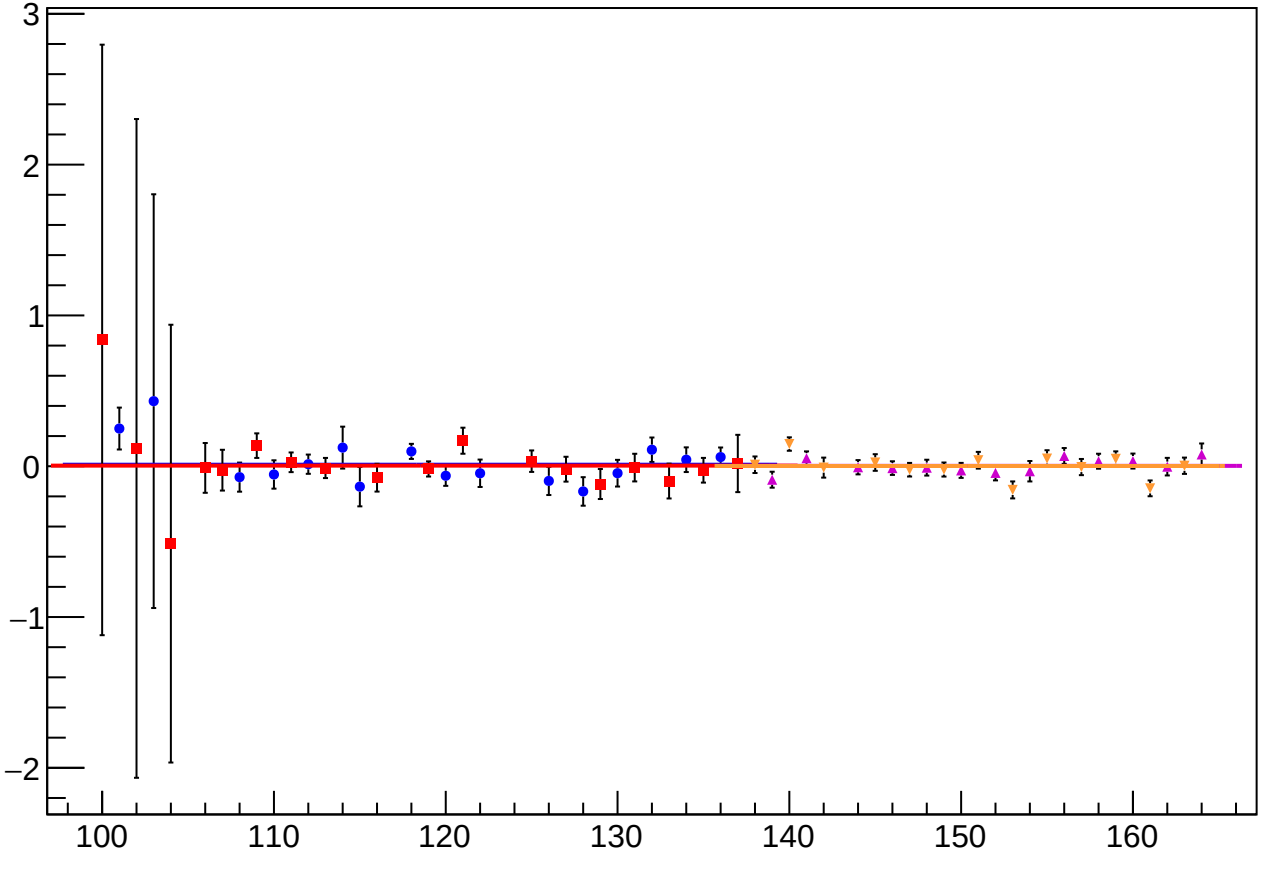
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.965+/-0.008 χ^2/NDF:2096807.0/28

Out: 44.366+/-0.008 χ^2/NDF:2646106.4/30

All: 45.175+/-0.006 χ^2/NDF: 4760879.2/59

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: 0.002+/-0.014 χ^2/NDF:29.6/12

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/12

Left: 0.002+/-0.010 χ^2/NDF: 39.1/25

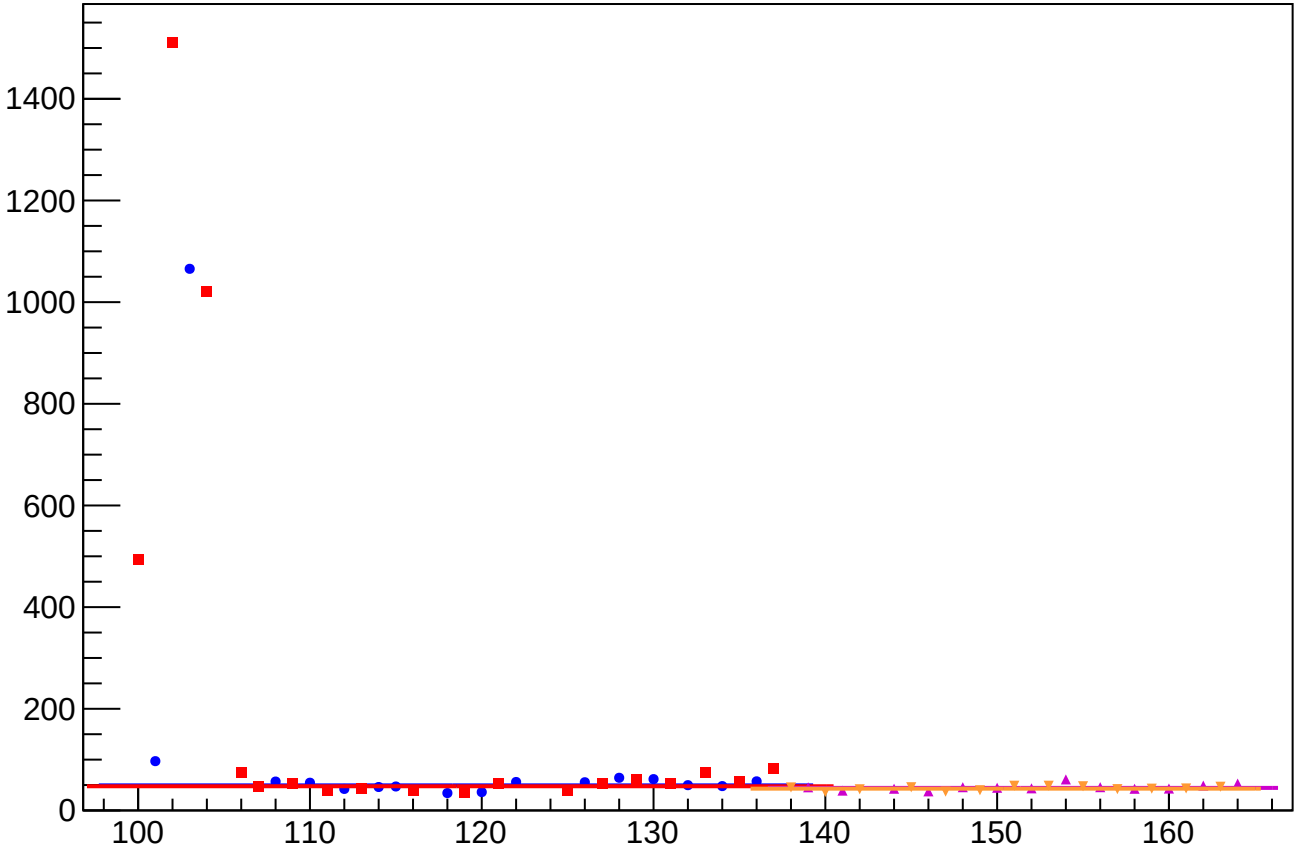
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.012 χ^2/NDF:28.0/28

Out: 0.002+/-0.012 χ^2/NDF:40.1/30

All: 0.004+/-0.008 χ^2/NDF: 68.1/59

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: 42.898+/-0.010 χ^2/NDF:162056.5/12

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.378+/-0.010 χ^2/NDF:243828.0/12

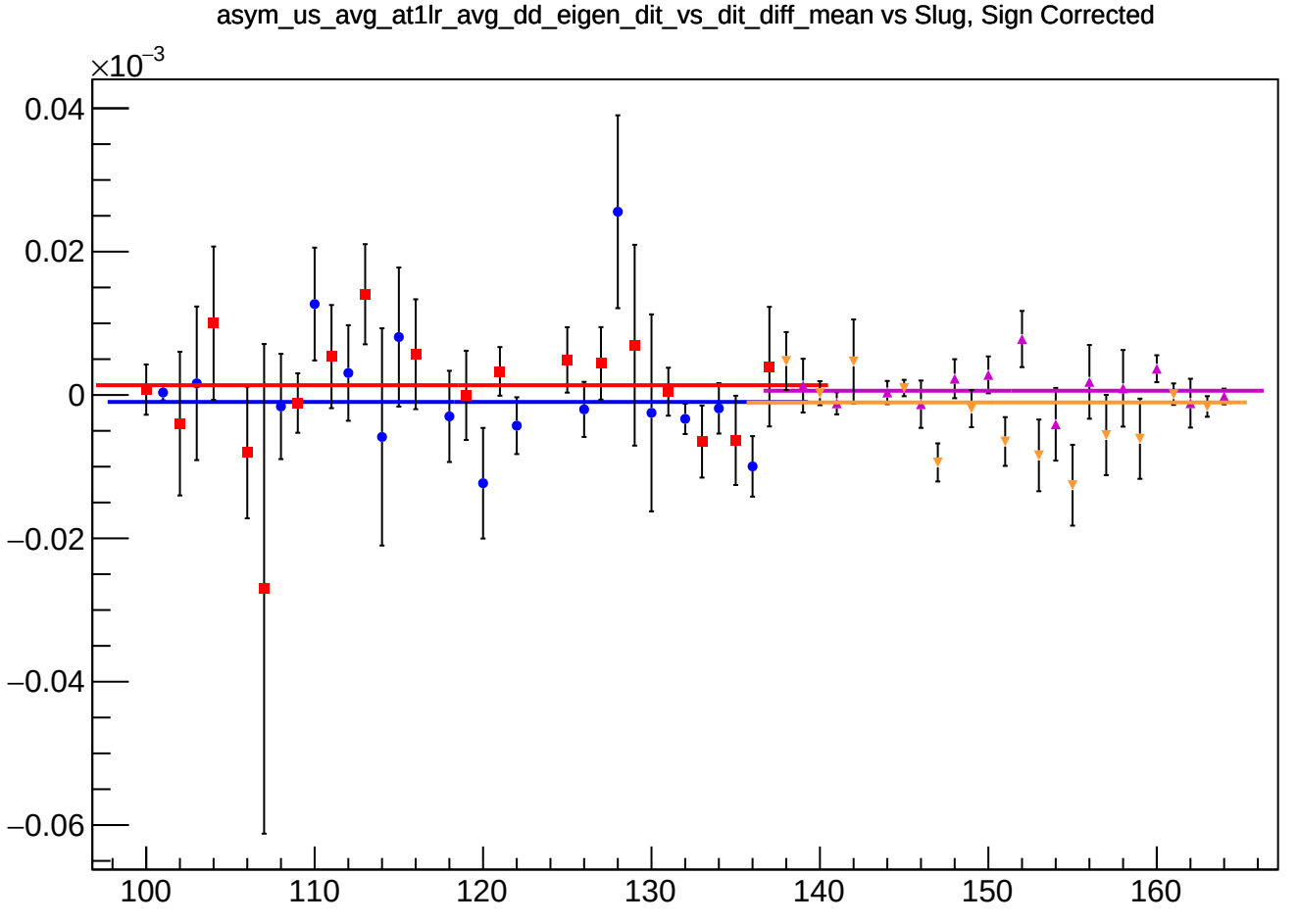
Left: 43.643+/-0.007 χ^2/NDF: 416399.2/25

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.965+/-0.008 χ^2/NDF:2096807.0/28

Out: 44.366+/-0.008 χ^2/NDF:2646106.4/30

All: 45.175+/-0.006 χ^2/NDF: 4760879.2/59



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:10.5/12

Left: -0.000+/-0.000 χ^2/NDF: 41.9/25

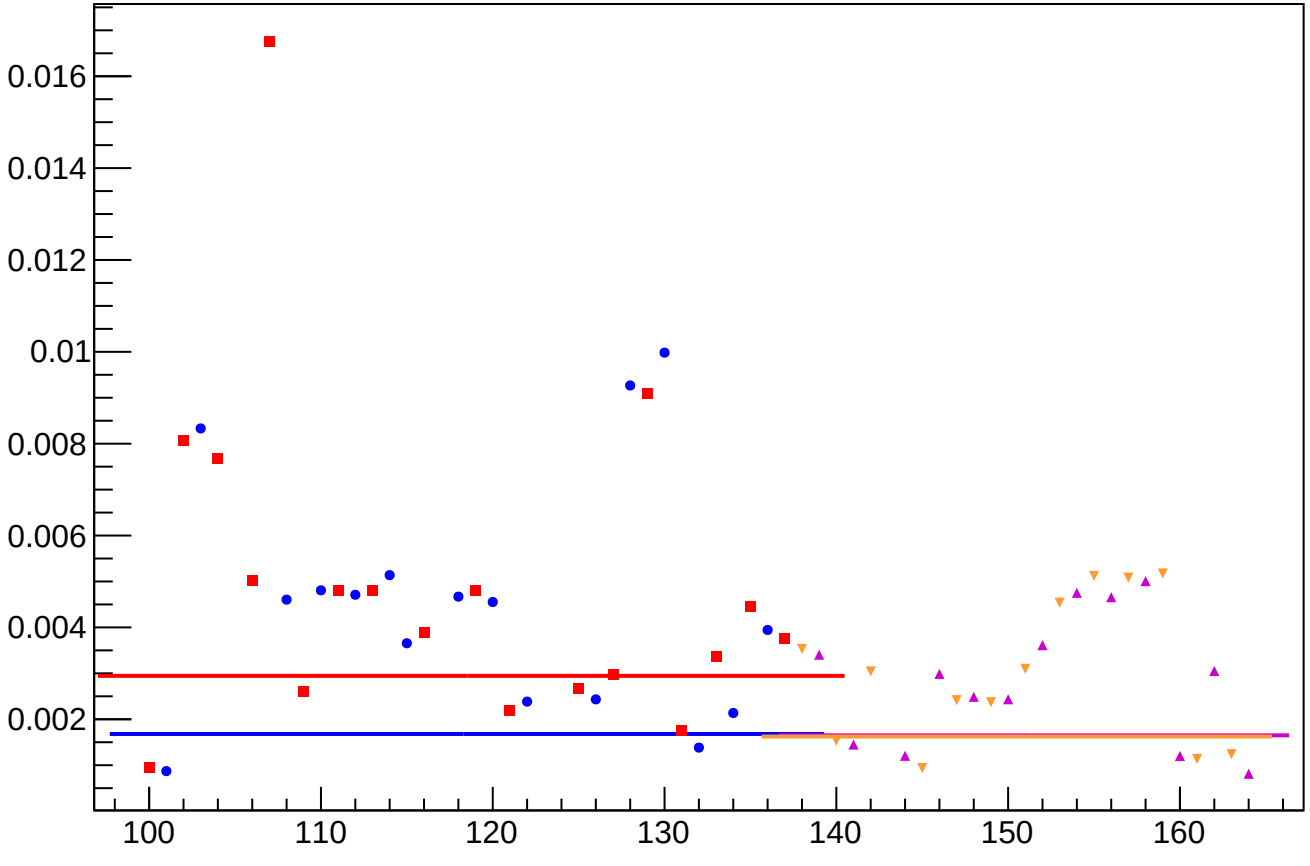
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:31.5/28

Out: -0.000+/-0.000 χ^2/NDF:43.3/30

All: -0.000+/-0.000 χ^2/NDF: 75.5/59

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:5374980.7/12

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:5673644.1/12

Left: 0.002+/-0.000 χ^2/NDF: 11050392.6/25

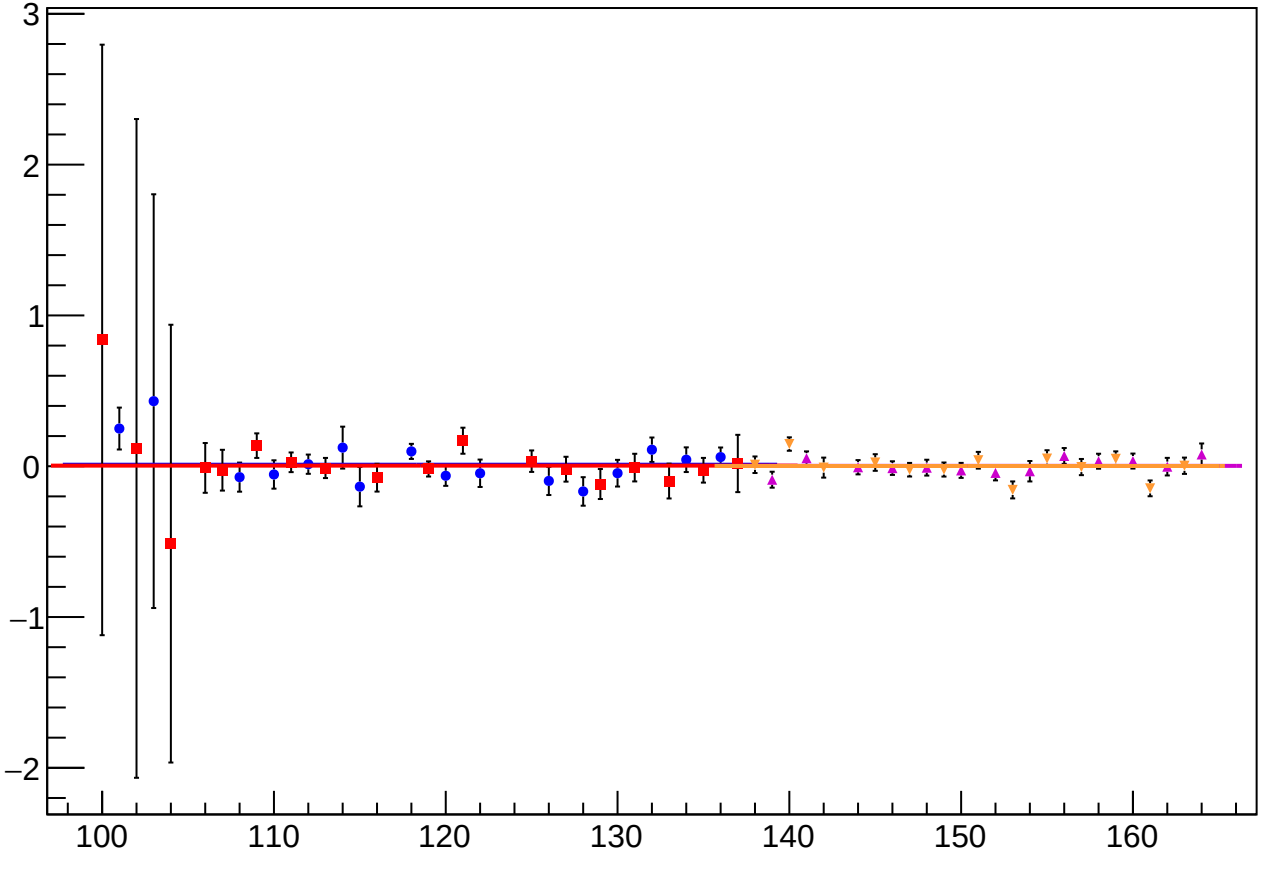
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:11635522.5/28

Out: 0.002+/-0.000 χ^2/NDF:10465372.8/30

All: 0.002+/-0.000 χ^2/NDF: 22257351.4/59

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: 0.002+/-0.014 χ^2/NDF:29.6/12

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/12

Left: 0.002+/-0.010 χ^2/NDF: 39.1/25

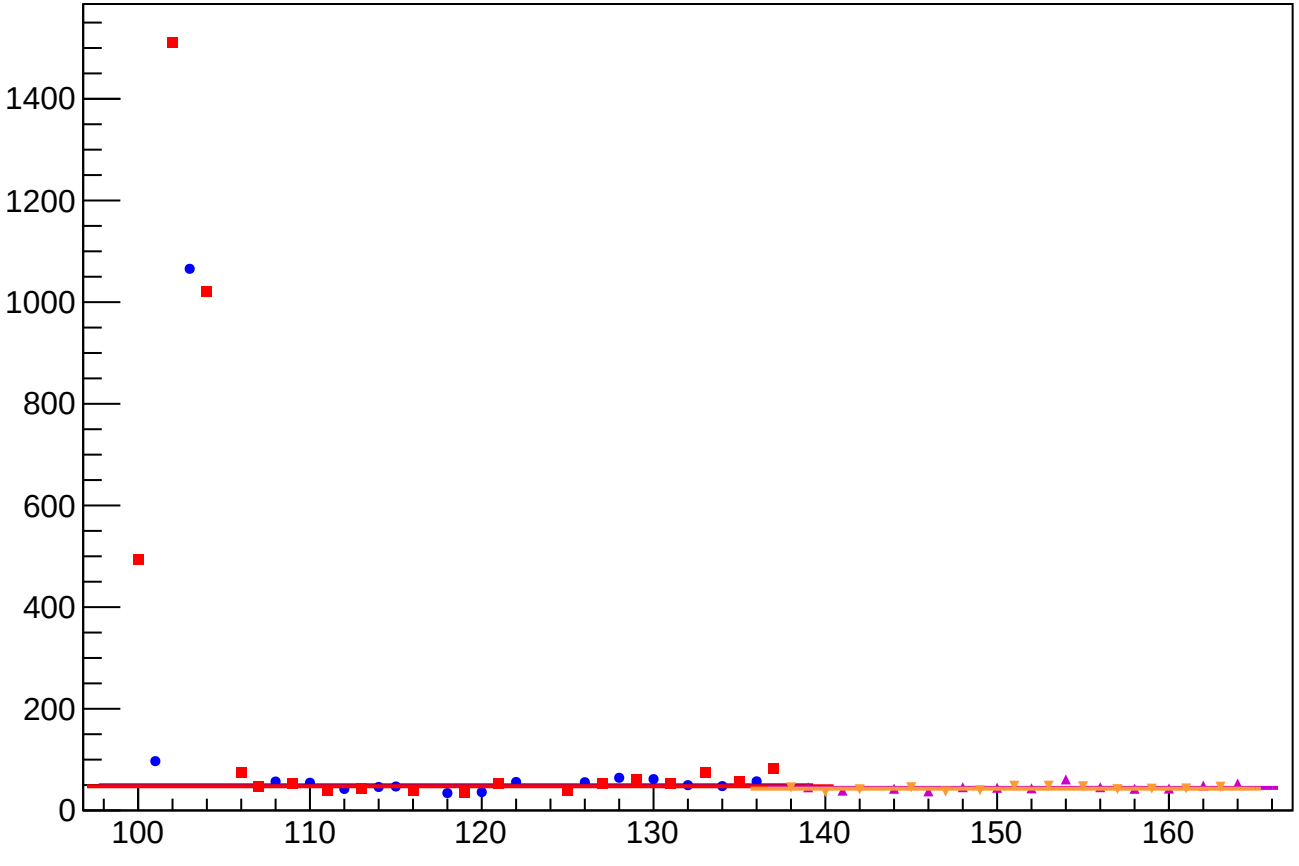
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.012 χ^2/NDF:28.0/28

Out: 0.002+/-0.012 χ^2/NDF:40.1/30

All: 0.004+/-0.008 χ^2/NDF: 68.1/59

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: 42.898+/-0.010 χ^2/NDF:162072.5/12

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.378+/-0.010 χ^2/NDF:243884.5/12

Left: 43.643+/-0.007 χ^2/NDF: 416462.1/25

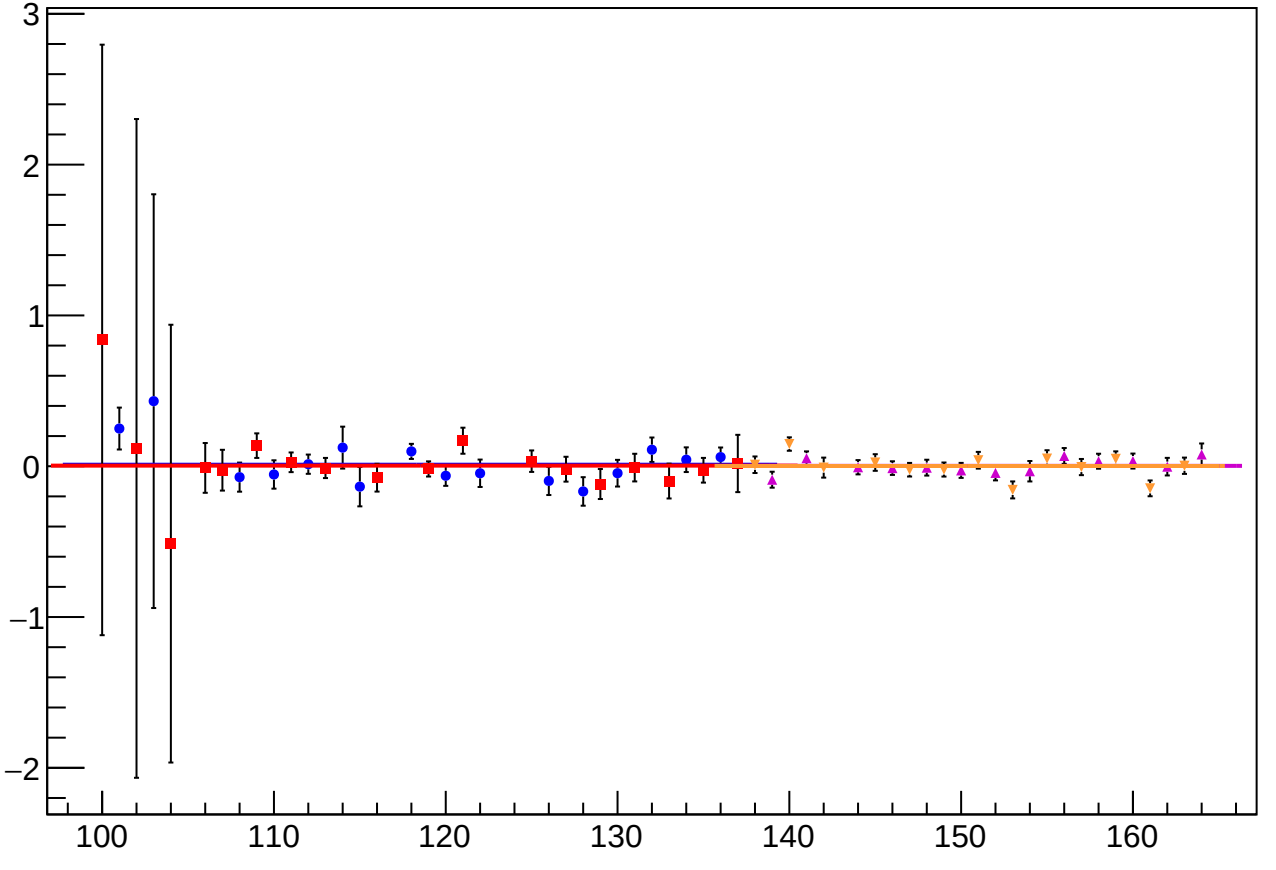
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.965+/-0.008 χ^2/NDF:2096814.3/28

Out: 44.366+/-0.008 χ^2/NDF:2646125.2/30

All: 45.175+/-0.006 χ^2/NDF: 4760902.5/59

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: 0.002+/-0.014 χ^2/NDF:29.6/12

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.002+/-0.014 χ^2/NDF:9.5/12

Left: 0.002+/-0.010 χ^2/NDF: 39.1/25

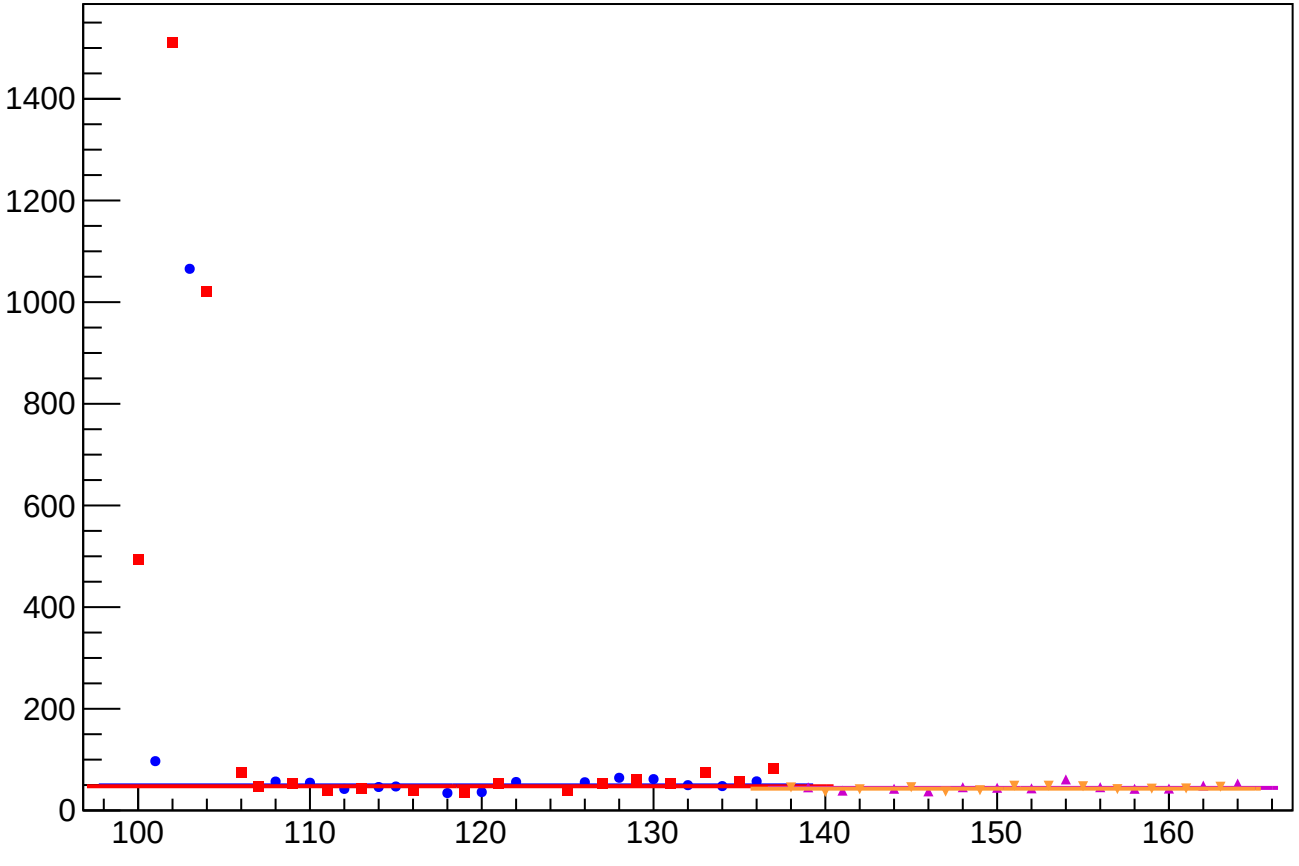
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.012 χ^2/NDF:28.0/28

Out: 0.002+/-0.012 χ^2/NDF:40.1/30

All: 0.004+/-0.008 χ^2/NDF: 68.1/59

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: 42.898+/-0.010 χ^2/NDF:162072.5/12

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.378+/-0.010 χ^2/NDF:243884.5/12

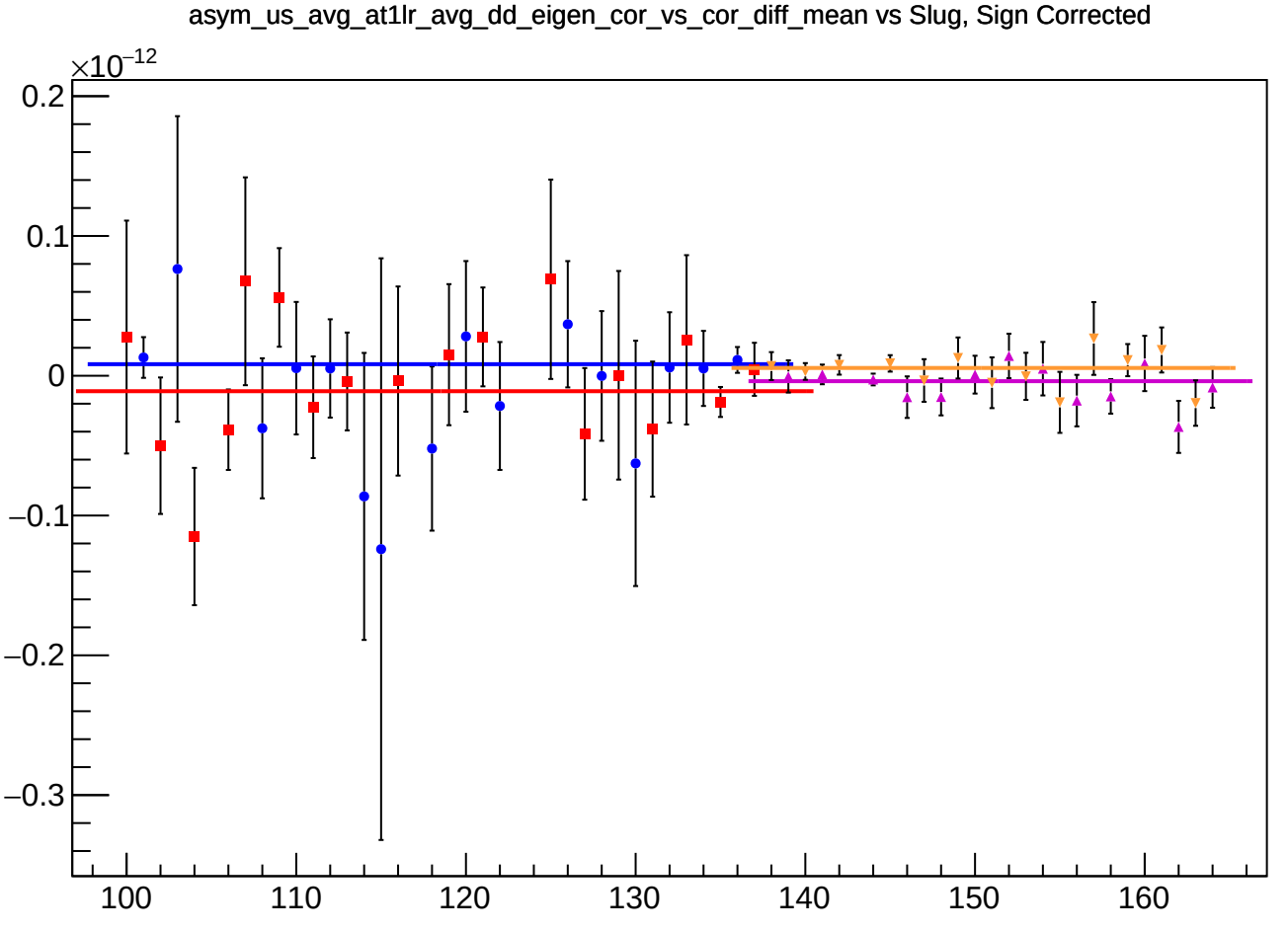
Left: 43.643+/-0.007 χ^2/NDF: 416462.1/25

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.965+/-0.008 χ^2/NDF:2096814.3/28

Out: 44.366+/-0.008 χ^2/NDF:2646125.2/30

All: 45.175+/-0.006 χ^2/NDF: 4760902.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/12

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:8.5/12

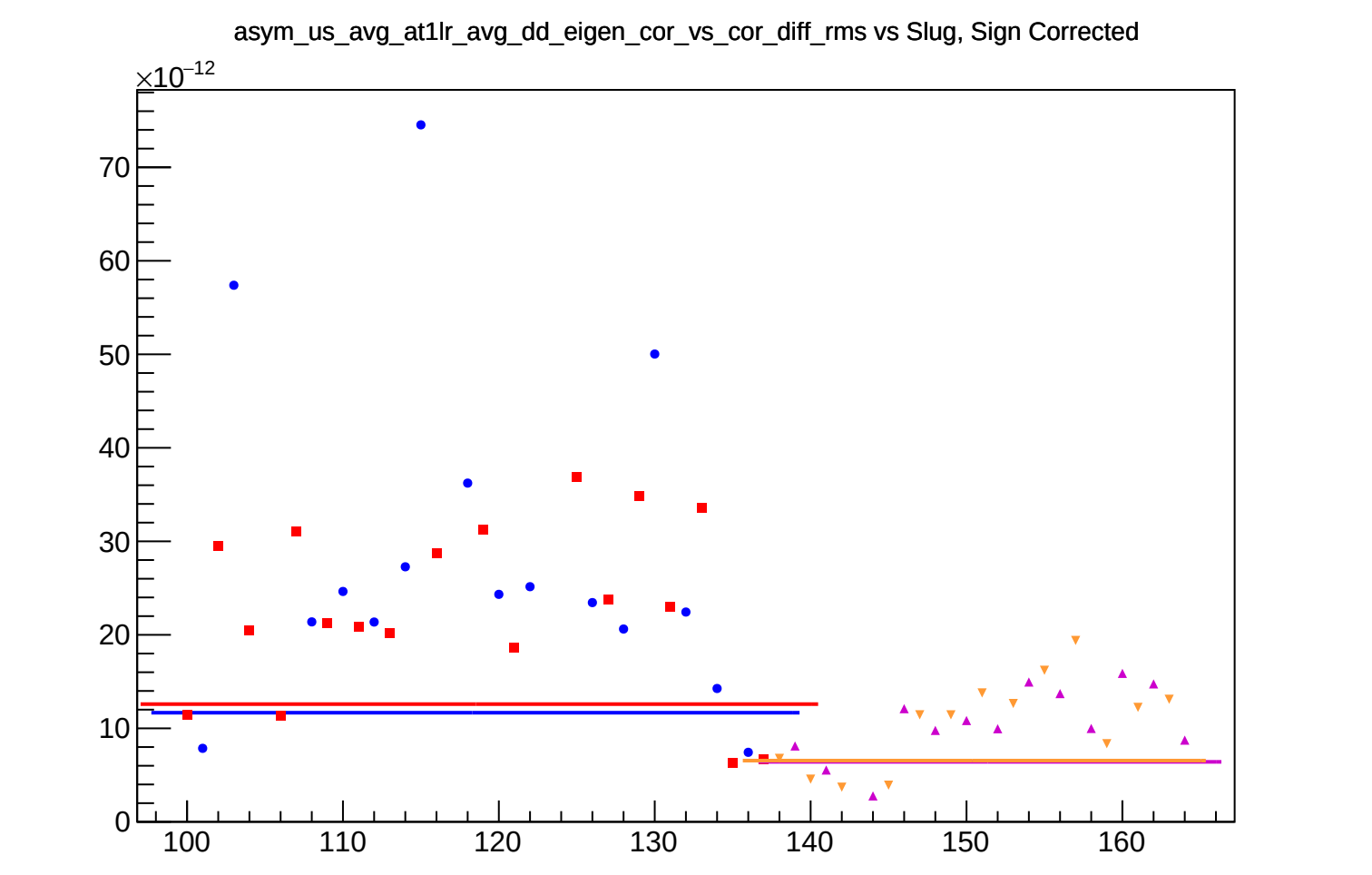
Left: 0.000+/-0.000 χ^2/NDF: 20.9/25

Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:16.8/28

Out: 0.000+/-0.000 χ^2/NDF:27.6/30

All: 0.000+/-0.000 χ^2/NDF: 46.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3461179.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:4099398.3/12

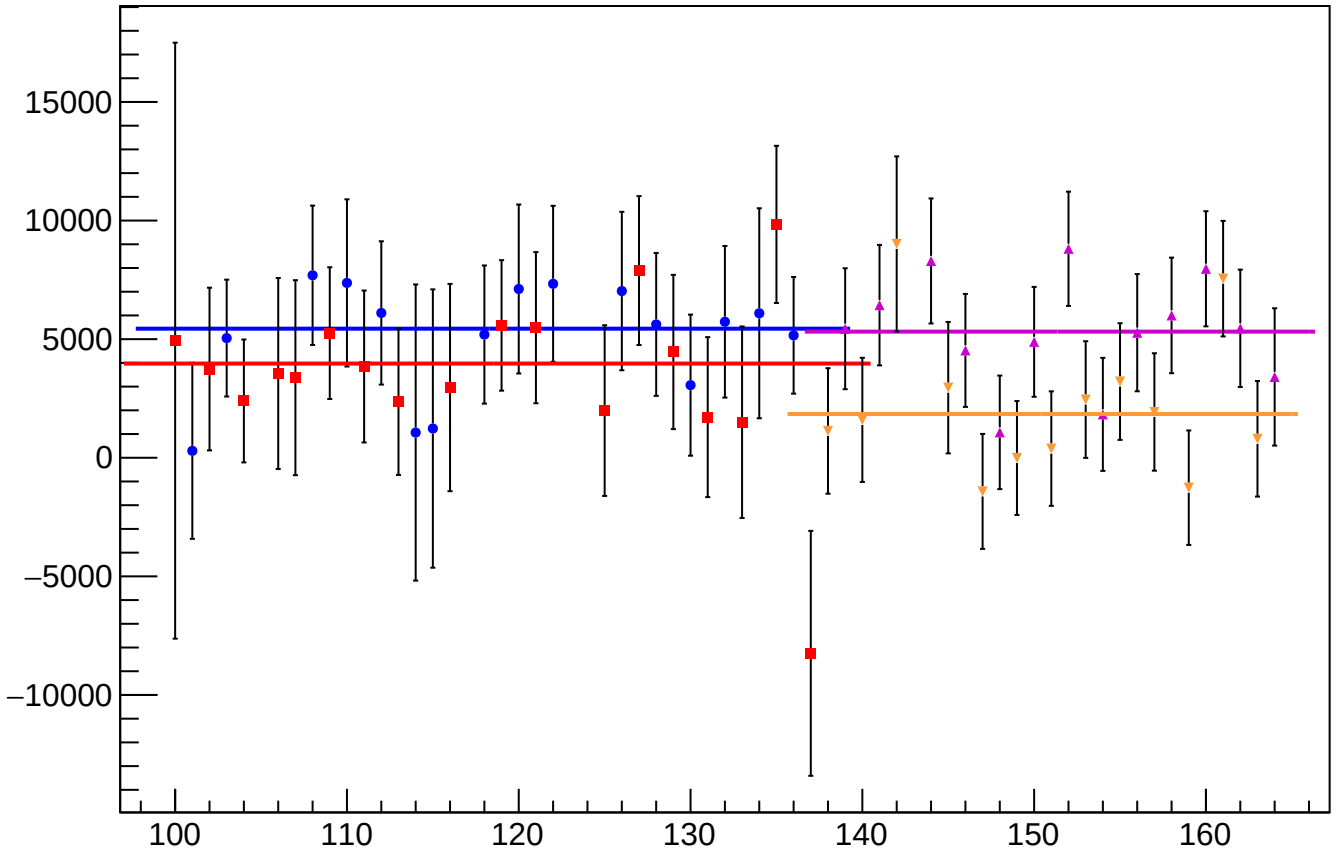
Left: 0.000+/-0.000 χ^2/NDF: 7562770.5/25

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:8059441.2/28

Out: 0.000+/-0.000 χ^2/NDF:7591856.2/30

All: 0.000+/-0.000 χ^2/NDF: 15655029.5/59



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1844.254+/-705.236 χ^2/NDF:14.5/12

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5317.866+/-686.260 χ^2/NDF:10.7/12

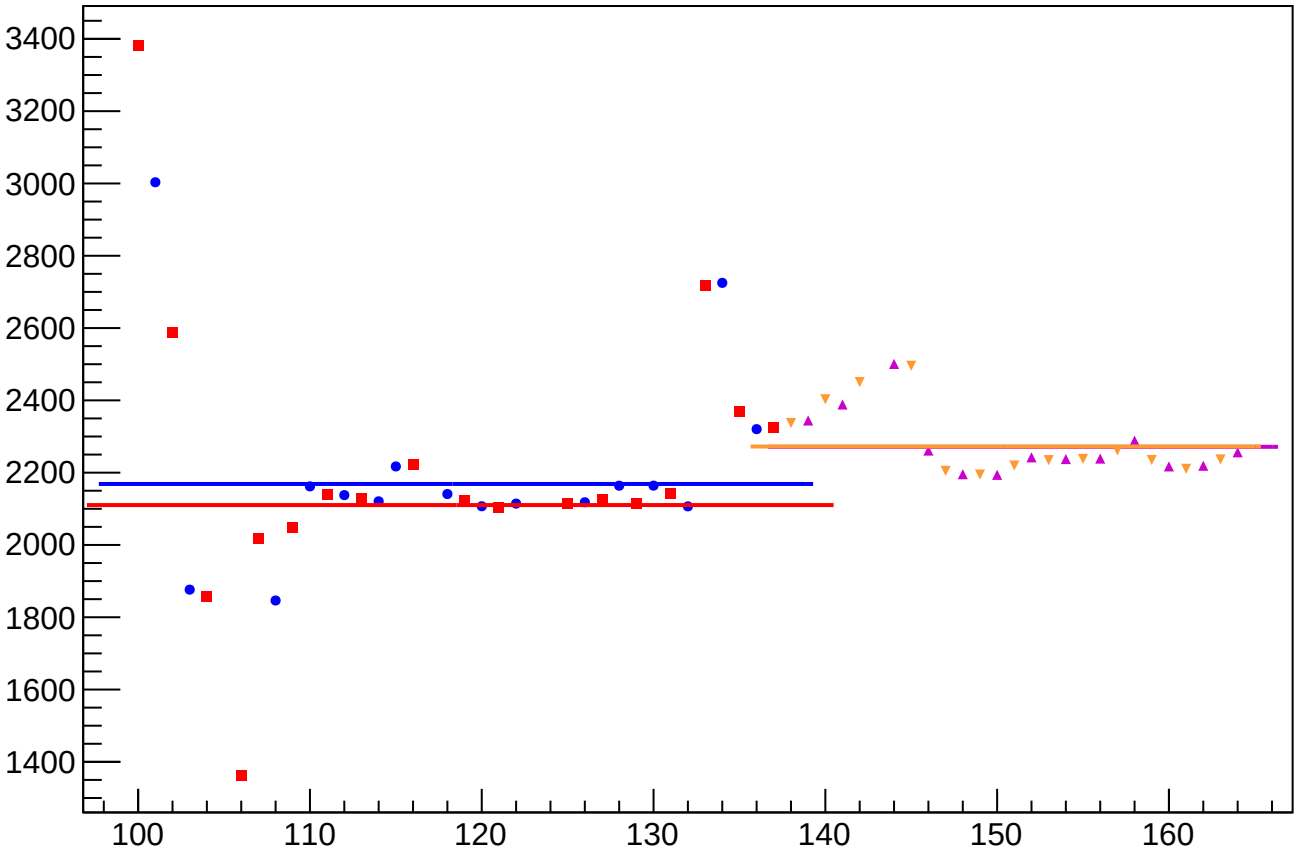
Left: 3628.421+/-491.831 χ^2/NDF: 37.7/25

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5369.688+/-524.285 χ^2/NDF:16.1/28

Out: 2762.856+/-531.609 χ^2/NDF:31.4/30

All: 4084.354+/-373.288 χ^2/NDF: 59.7/59



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2272.362+/-0.499 χ^2/NDF:31547.3/12

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2271.438+/-0.485 χ^2/NDF:28391.2/12

Left: 2271.887+/-0.348 χ^2/NDF: 59940.3/25

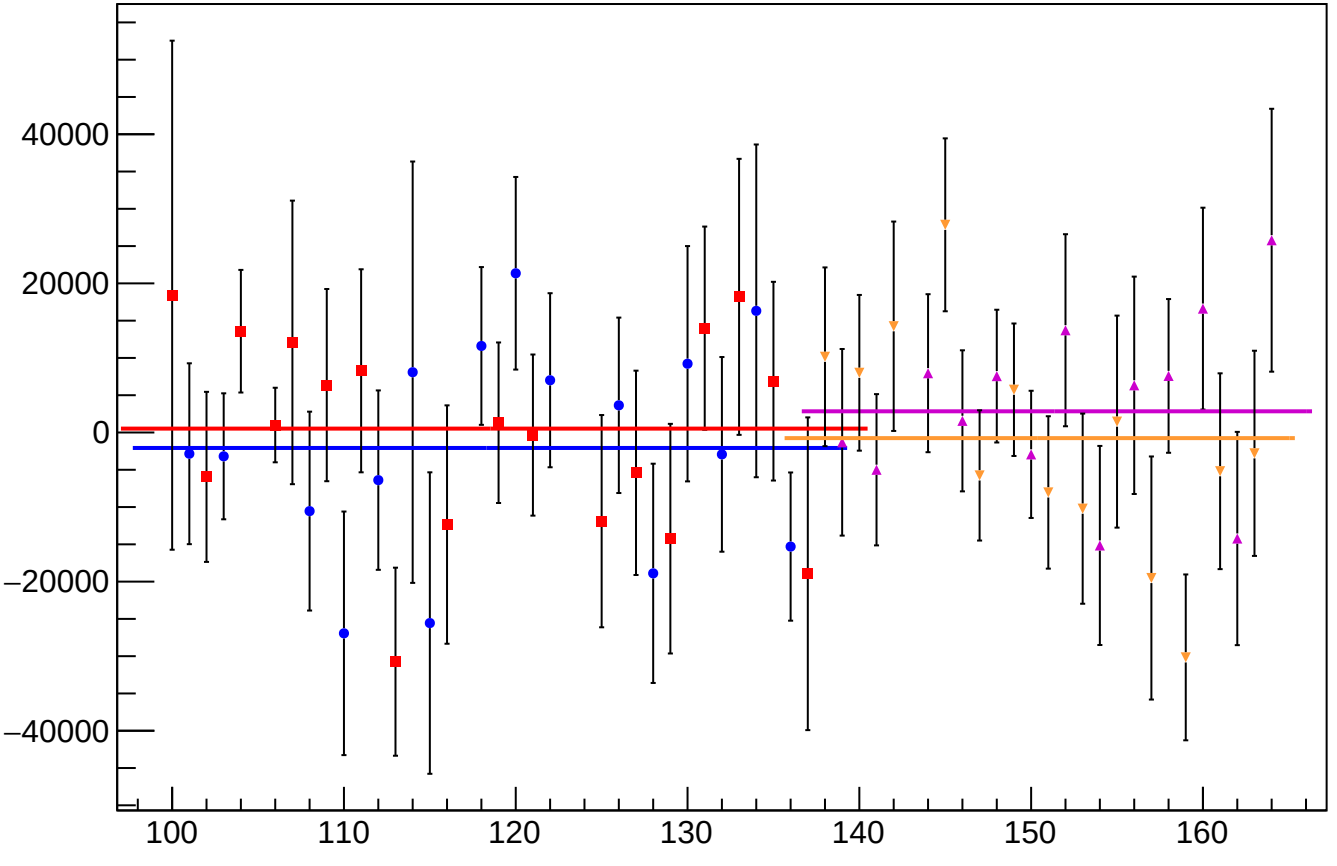
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2228.670+/-0.371 χ^2/NDF:242707.3/28

Out: 2201.139+/-0.373 χ^2/NDF:345357.5/30

All: 2215.000+/-0.263 χ^2/NDF: 590803.1/59

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: -754.406+/-3194.139 χ^2/NDF:19.2/12

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 2841.400+/-3133.066 χ^2/NDF:8.6/12

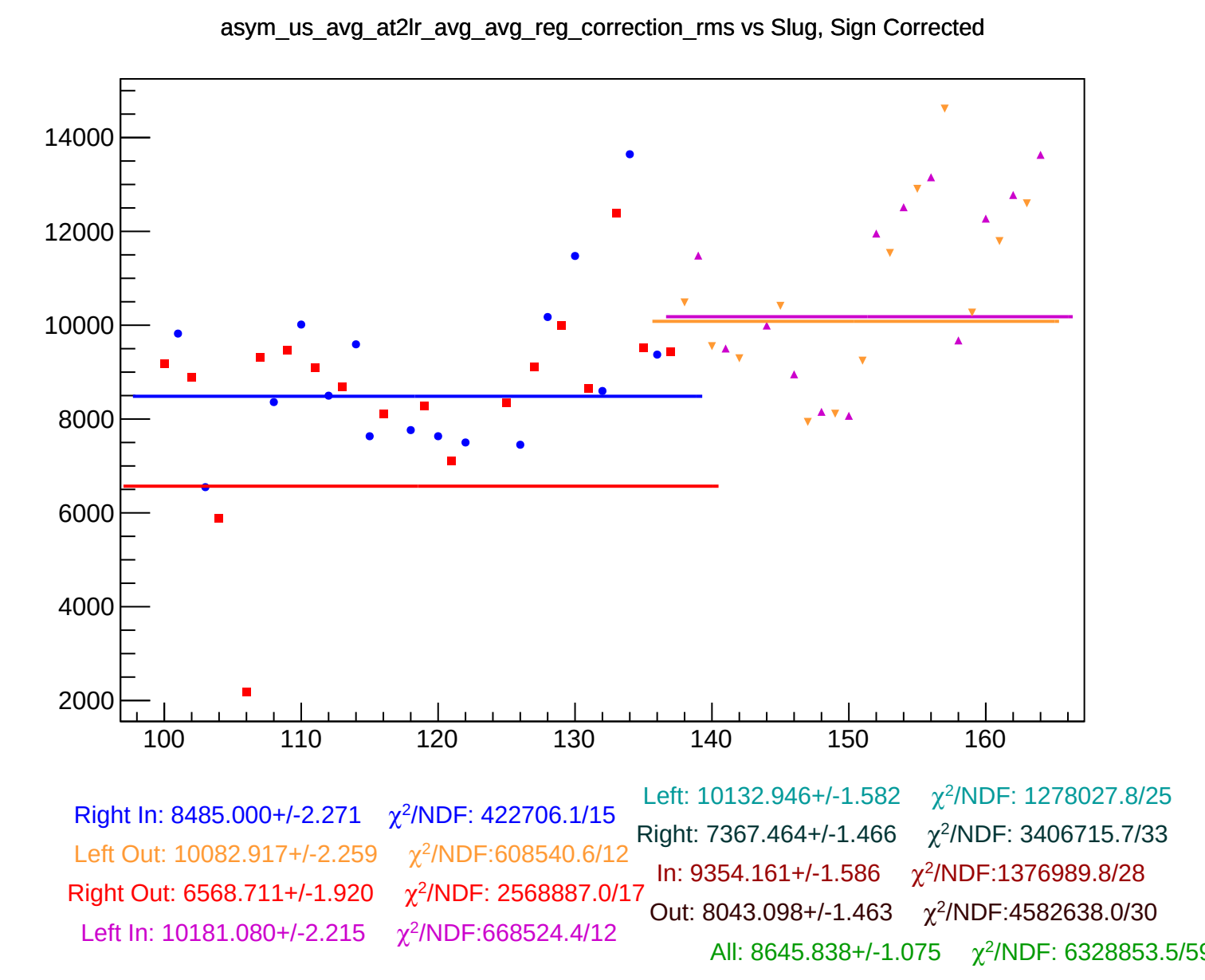
Left: 1078.202+/-2236.692 χ^2/NDF: 28.5/25

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

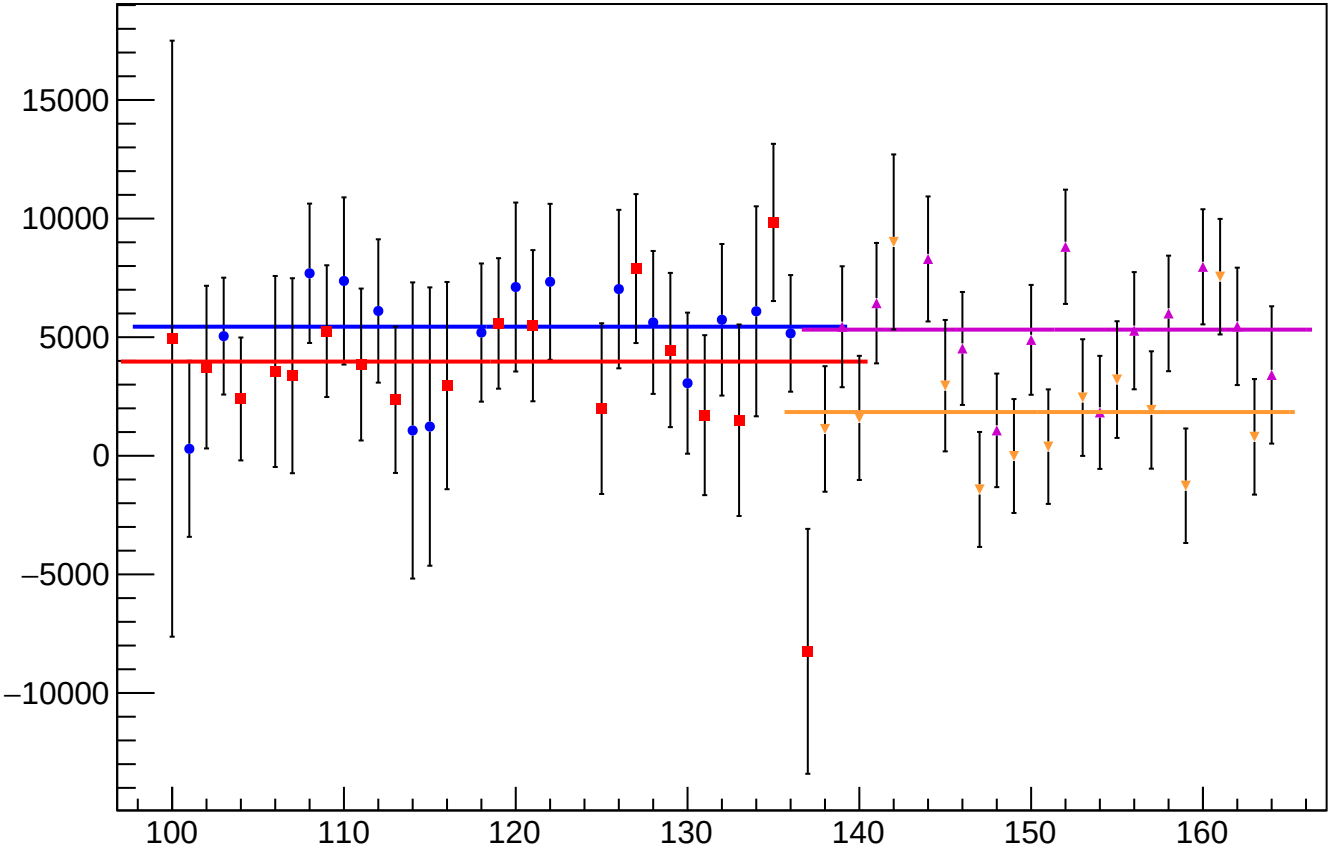
In: 444.499+/-2242.830 χ^2/NDF:24.3/28

Out: -13.834+/-2068.931 χ^2/NDF:34.9/30

All: 196.878+/-1520.722 χ^2/NDF: 59.2/59


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
Right In: 8485.000+/-2.271 χ²/NDF: 422706.1/15
Left Out: 10082.917+/-2.259 χ²/NDF:608540.6/12
Right Out: 6568.711+/-1.920 χ²/NDF: 2568887.0/17
Left In: 10181.080+/-2.215 χ²/NDF:668524.4/12
Left: 10132.946+/-1.582 χ²/NDF: 1278027.8/25
Right: 7367.464+/-1.466 χ²/NDF: 3406715.7/33
In: 9354.161+/-1.586 χ²/NDF:1376989.8/28
Out: 8043.098+/-1.463 χ²/NDF:4582638.0/30
All: 8645.838+/-1.075 χ²/NDF: 6328853.5/59

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1844.106+/-705.236 χ^2/NDF:14.5/12

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5317.999+/-686.260 χ^2/NDF:10.7/12

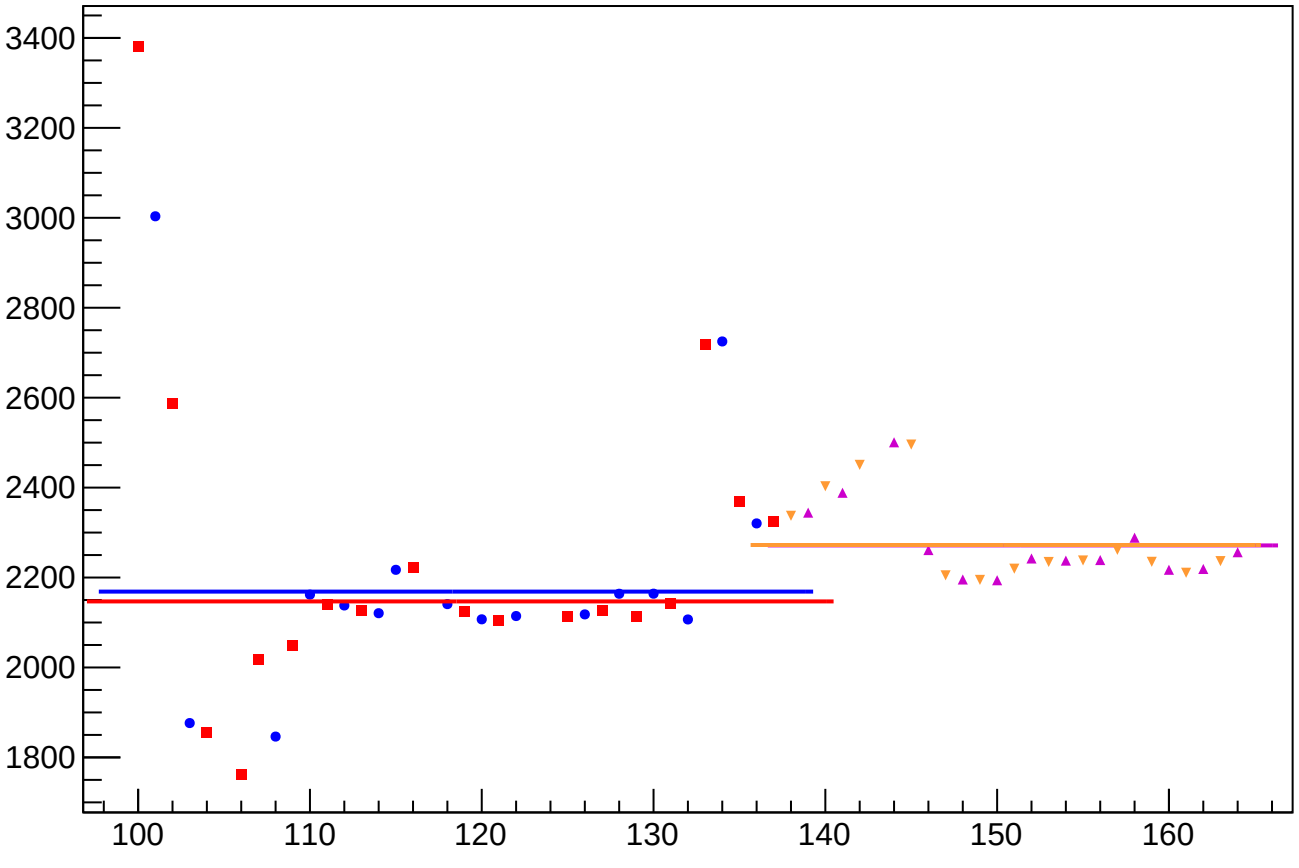
Left: 3628.417+/-491.831 χ^2/NDF: 37.7/25

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5369.825+/-524.285 χ^2/NDF:16.1/28

Out: 2762.660+/-531.609 χ^2/NDF:31.4/30

All: 4084.327+/-373.288 χ^2/NDF: 59.7/59



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2272.362+/-0.499 χ^2/NDF:31547.3/12

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2271.438+/-0.485 χ^2/NDF:28391.2/12

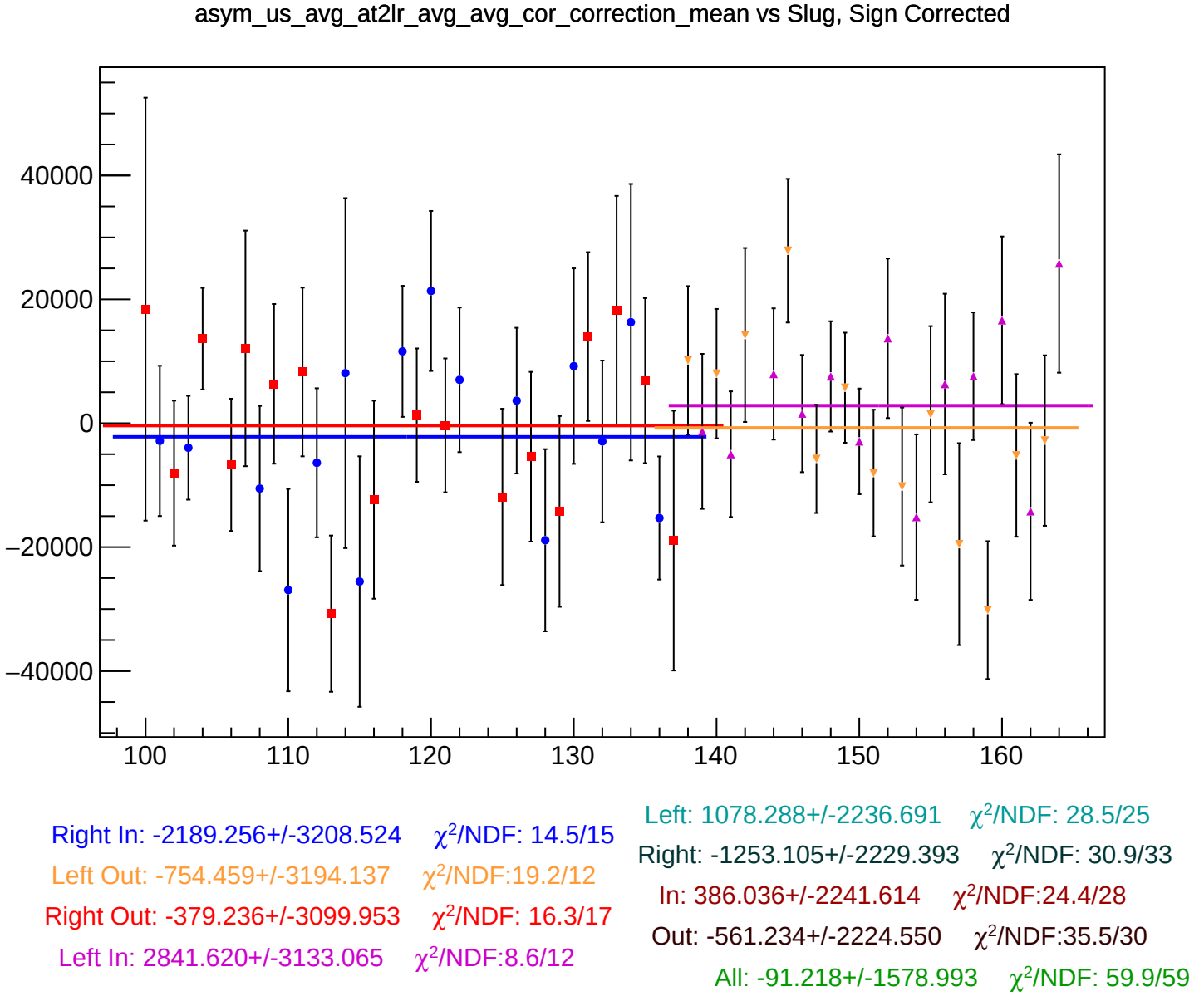
Left: 2271.887+/-0.348 χ^2/NDF: 59940.3/25

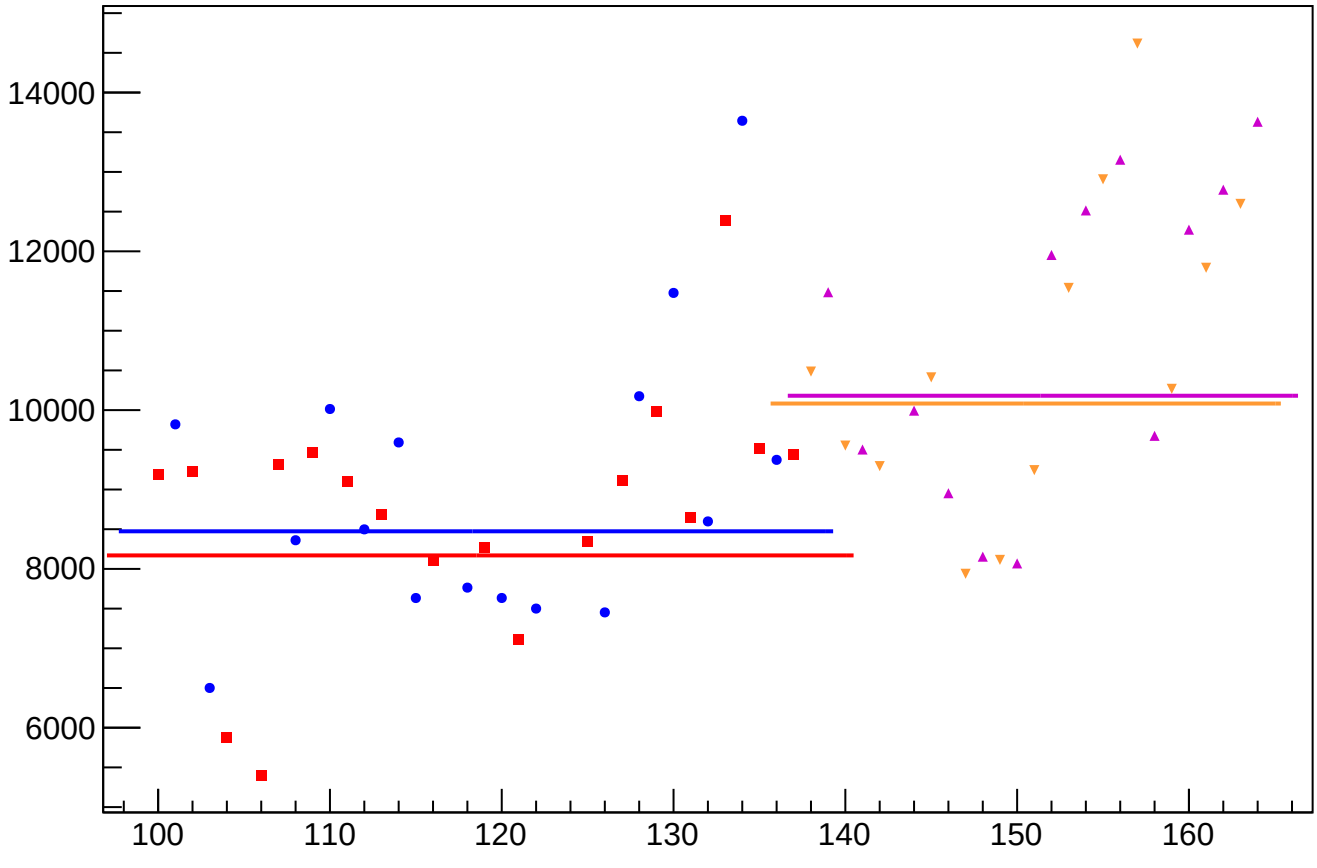
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2228.670+/-0.371 χ^2/NDF:242707.7/28

Out: 2217.878+/-0.375 χ^2/NDF:216788.7/30

All: 2223.337+/-0.264 χ^2/NDF: 459915.2/59


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -754.459+/-3194.137 χ²/NDF:19.2/12
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 2841.620+/-3133.065 χ²/NDF:8.6/12
Left: 1078.288+/-2236.691 χ²/NDF: 28.5/25
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: 386.036+/-2241.614 χ²/NDF:24.4/28
Out: -561.234+/-2224.550 χ²/NDF:35.5/30
All: -91.218+/-1578.993 χ²/NDF: 59.9/59



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10082.910+/-2.259 χ^2/NDF:608543.9/12

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10181.076+/-2.215 χ^2/NDF:668529.4/12

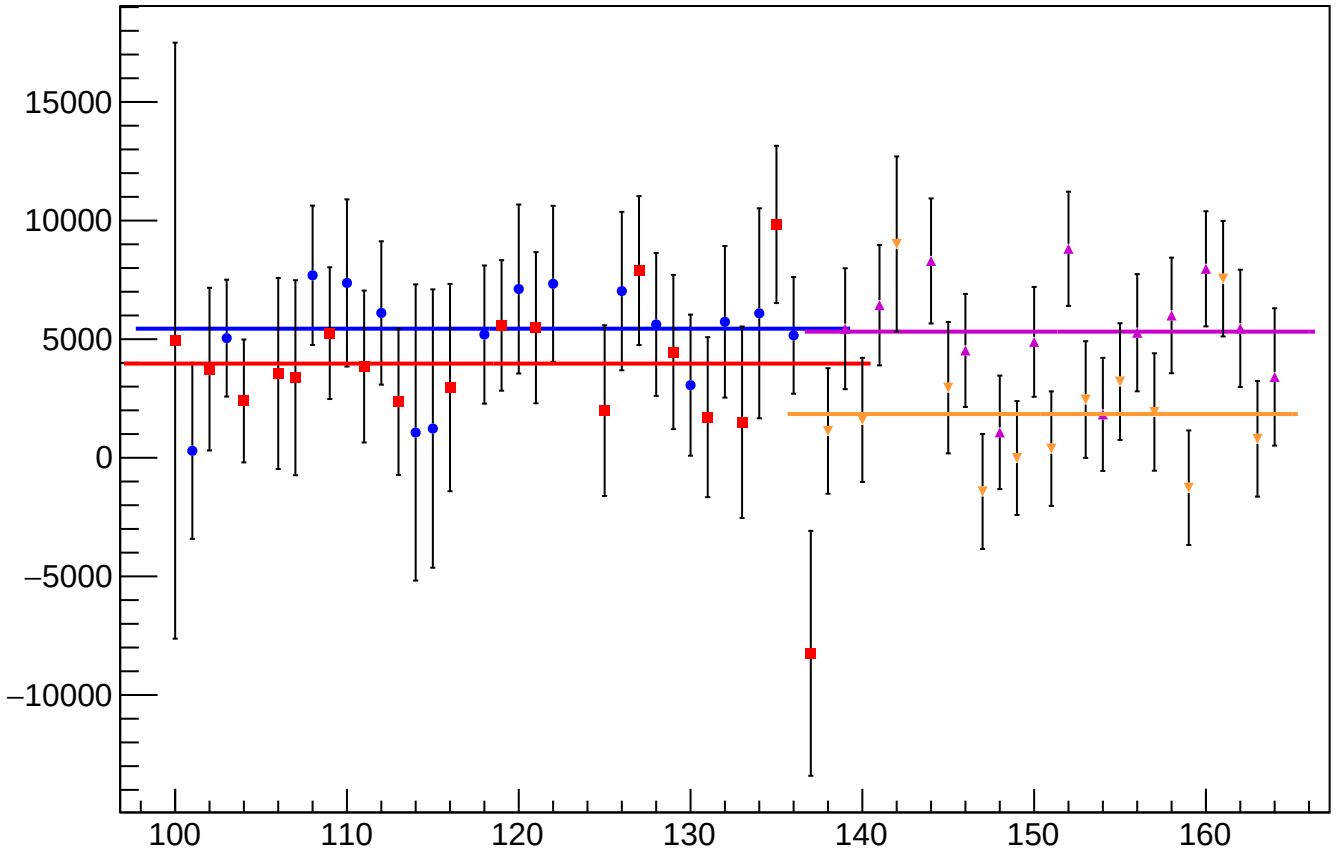
Left: 10132.940+/-1.582 χ^2/NDF: 1278036.0/25

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9347.722+/-1.585 χ^2/NDF:1387970.3/28

Out: 9097.851+/-1.573 χ^2/NDF:1517849.8/30

All: 9221.832+/-1.117 χ^2/NDF: 2918340.4/59



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1844.106+/-705.236 χ^2/NDF:14.5/12

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5317.999+/-686.260 χ^2/NDF:10.7/12

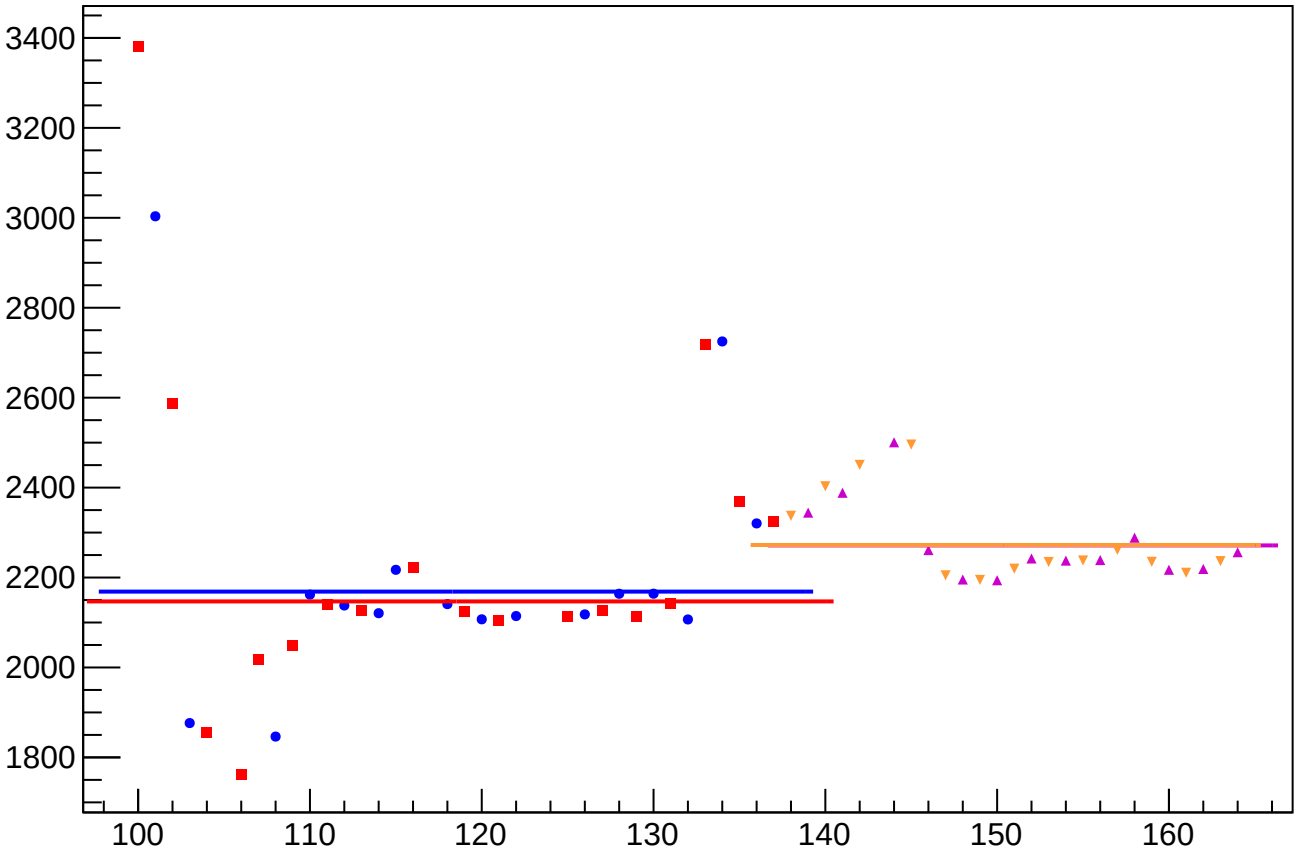
Left: 3628.417+/-491.831 χ^2/NDF: 37.7/25

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5369.825+/-524.285 χ^2/NDF:16.1/28

Out: 2762.660+/-531.609 χ^2/NDF:31.4/30

All: 4084.327+/-373.288 χ^2/NDF: 59.7/59



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2272.362+/-0.499 χ^2/NDF:31547.3/12

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2271.438+/-0.485 χ^2/NDF:28391.2/12

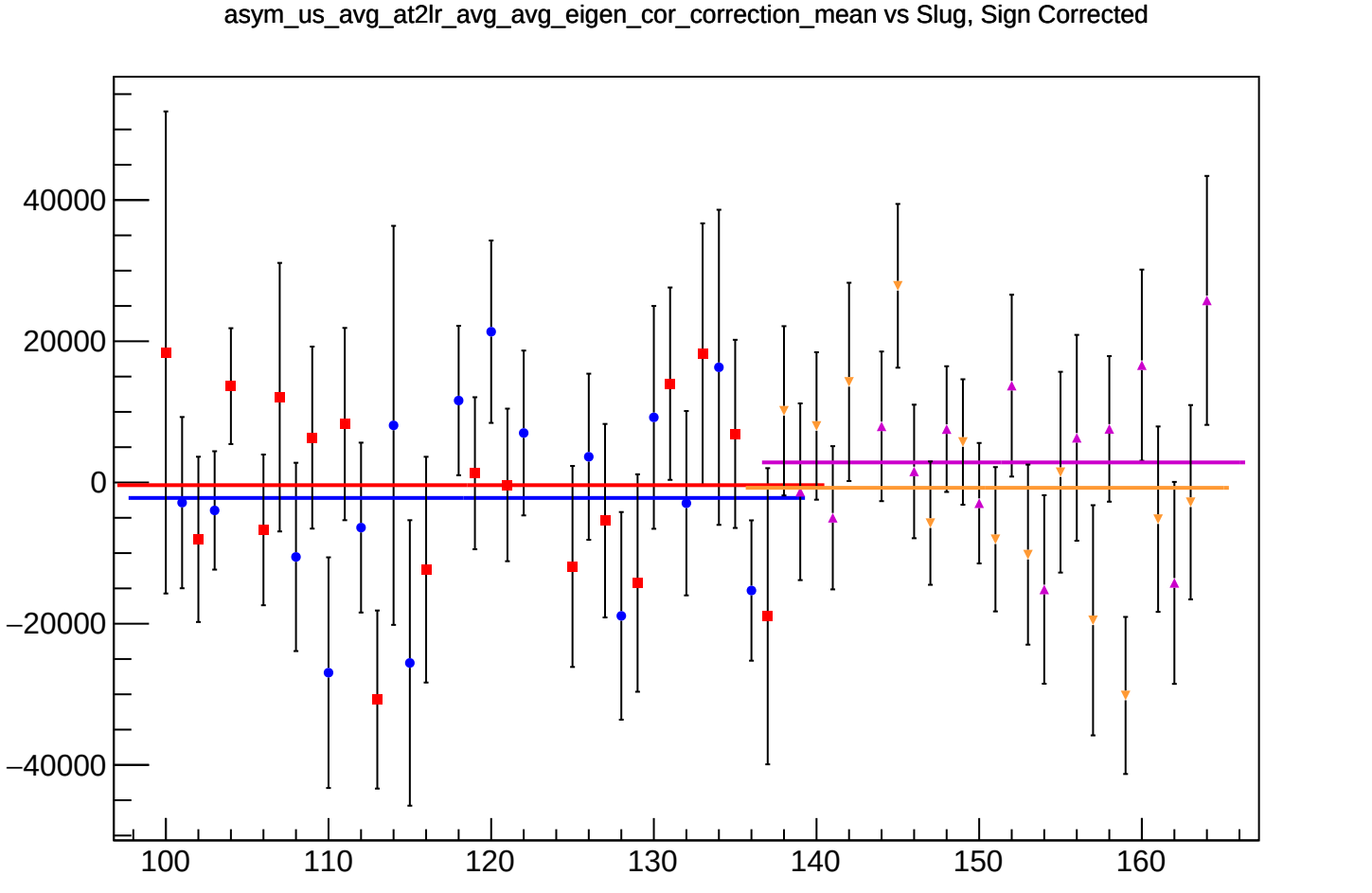
Left: 2271.887+/-0.348 χ^2/NDF: 59940.3/25

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

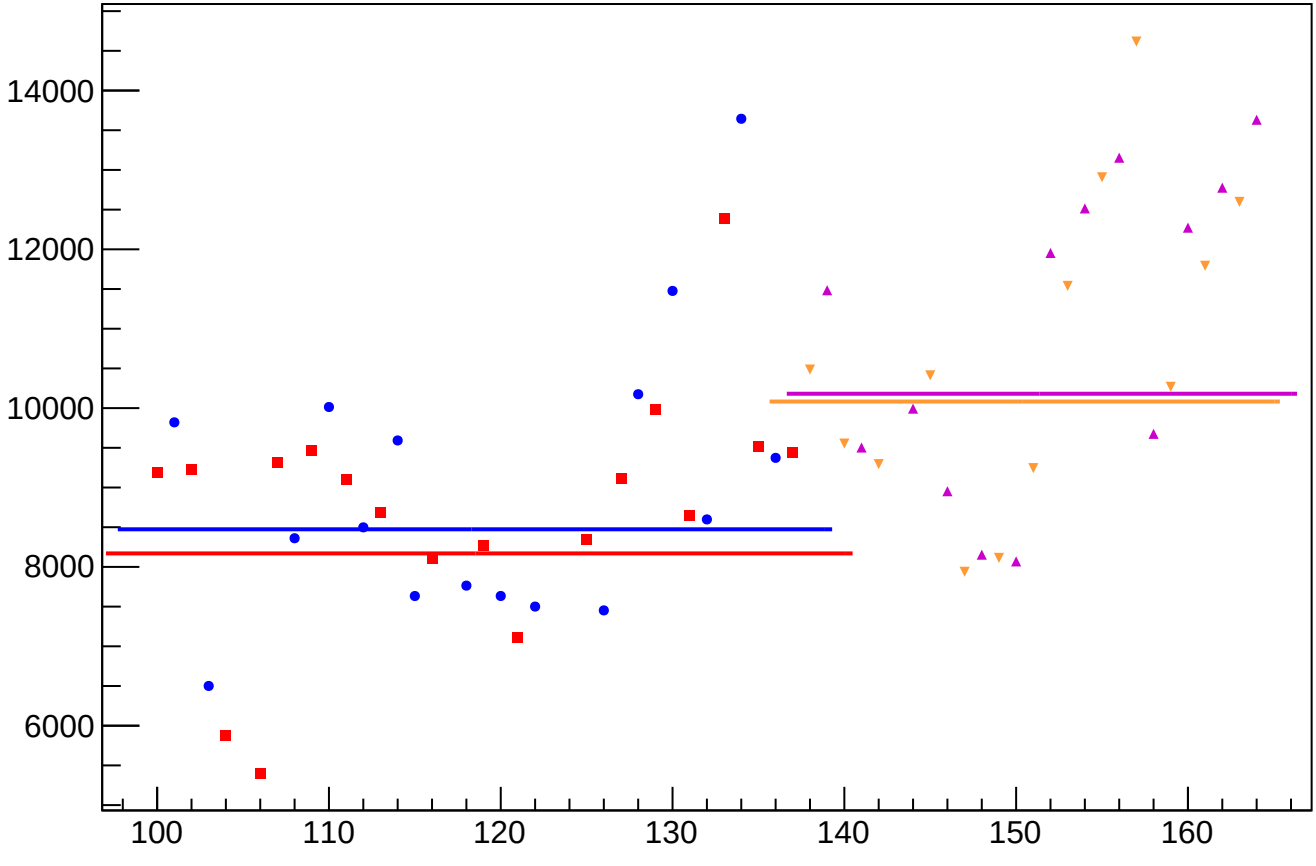
In: 2228.670+/-0.371 χ^2/NDF:242707.7/28

Out: 2217.878+/-0.375 χ^2/NDF:216788.7/30

All: 2223.337+/-0.264 χ^2/NDF: 459915.2/59


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -754.459+/-3194.137 χ²/NDF:19.2/12
Right Out: -379.236+/-3099.953 χ²/NDF: 16.3/17
Left In: 2841.620+/-3133.065 χ²/NDF:8.6/12
Left: 1078.288+/-2236.691 χ²/NDF: 28.5/25
Right: -1253.105+/-2229.393 χ²/NDF: 30.9/33
In: 386.036+/-2241.614 χ²/NDF:24.4/28
Out: -561.234+/-2224.550 χ²/NDF:35.5/30
All: -91.218+/-1578.993 χ²/NDF: 59.9/59

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10082.910+/-2.259 χ^2/NDF:608543.9/12

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10181.076+/-2.215 χ^2/NDF:668529.4/12

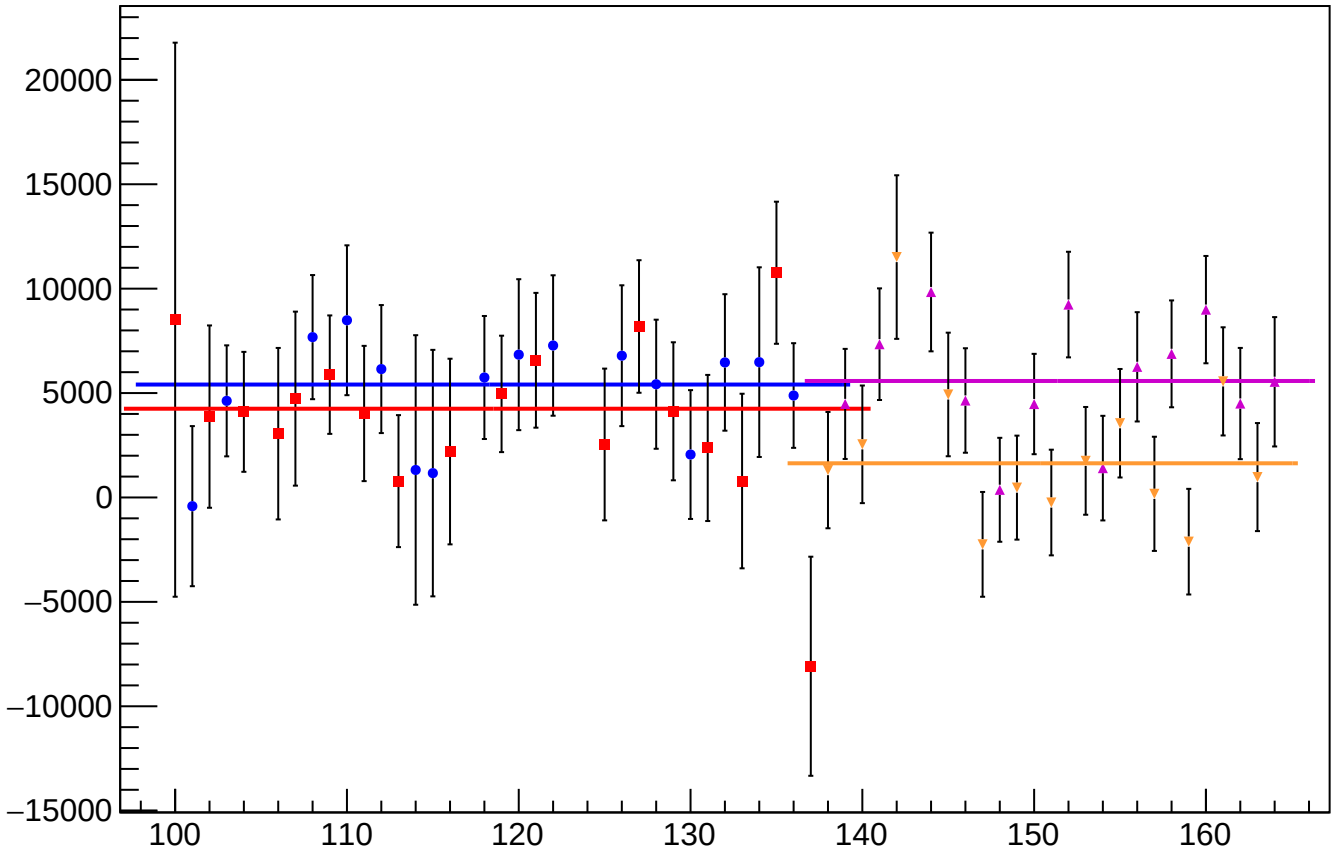
Left: 10132.940+/-1.582 χ^2/NDF: 1278036.0/25

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9347.722+/-1.585 χ^2/NDF:1387970.3/28

Out: 9097.851+/-1.573 χ^2/NDF:1517849.8/30

All: 9221.832+/-1.117 χ^2/NDF: 2918340.4/59



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1636.596+/-745.900 χ^2/NDF:16.3/12

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5578.482+/-722.992 χ^2/NDF:14.7/12

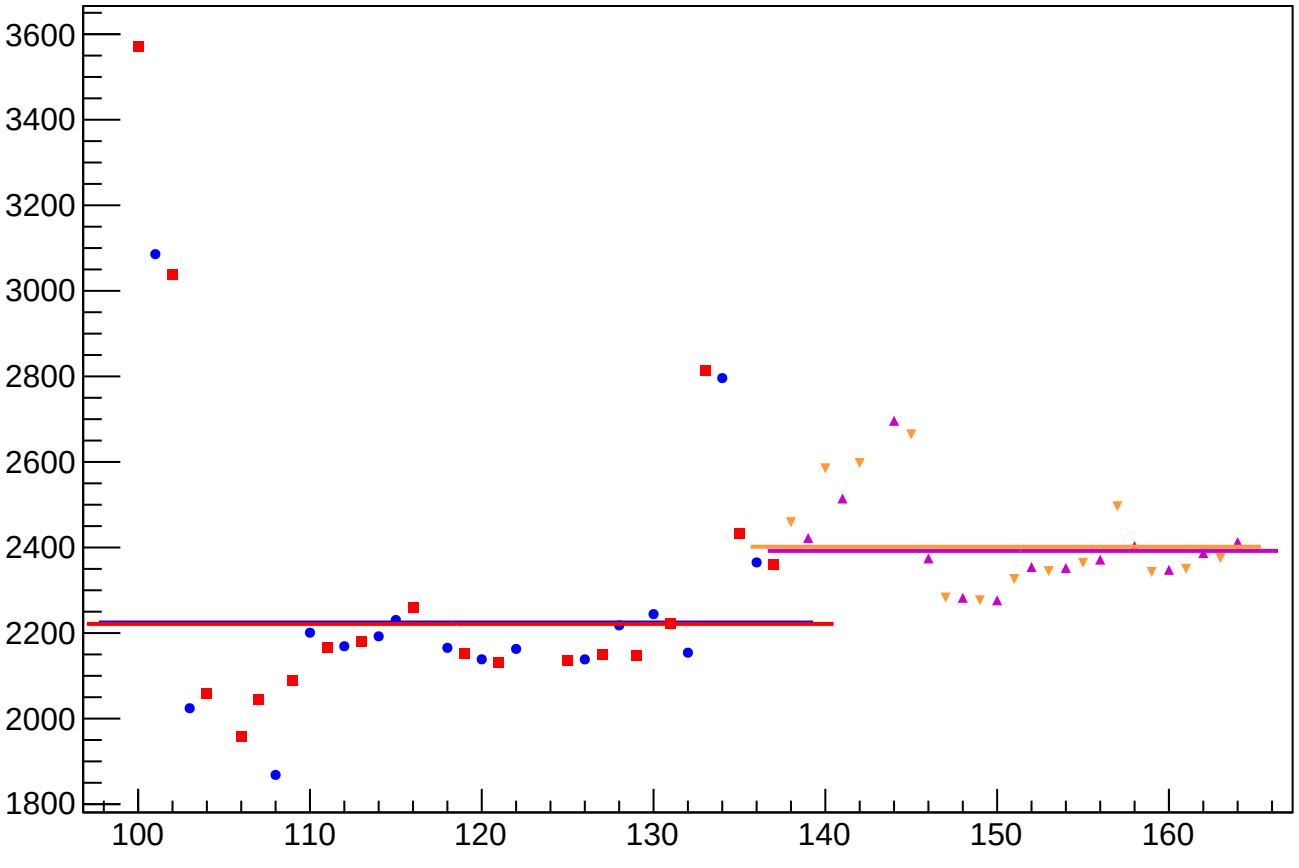
Left: 3668.998+/-519.142 χ^2/NDF: 45.4/25

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5505.246+/-546.207 χ^2/NDF:21.5/28

Out: 2789.749+/-557.550 χ^2/NDF:36.2/30

All: 4175.401+/-390.176 χ^2/NDF: 69.7/59



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2401.761+/-0.527 χ^2/NDF:47299.7/12

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2392.088+/-0.511 χ^2/NDF:37785.9/12

Left: 2396.774+/-0.367 χ^2/NDF: 85259.1/25

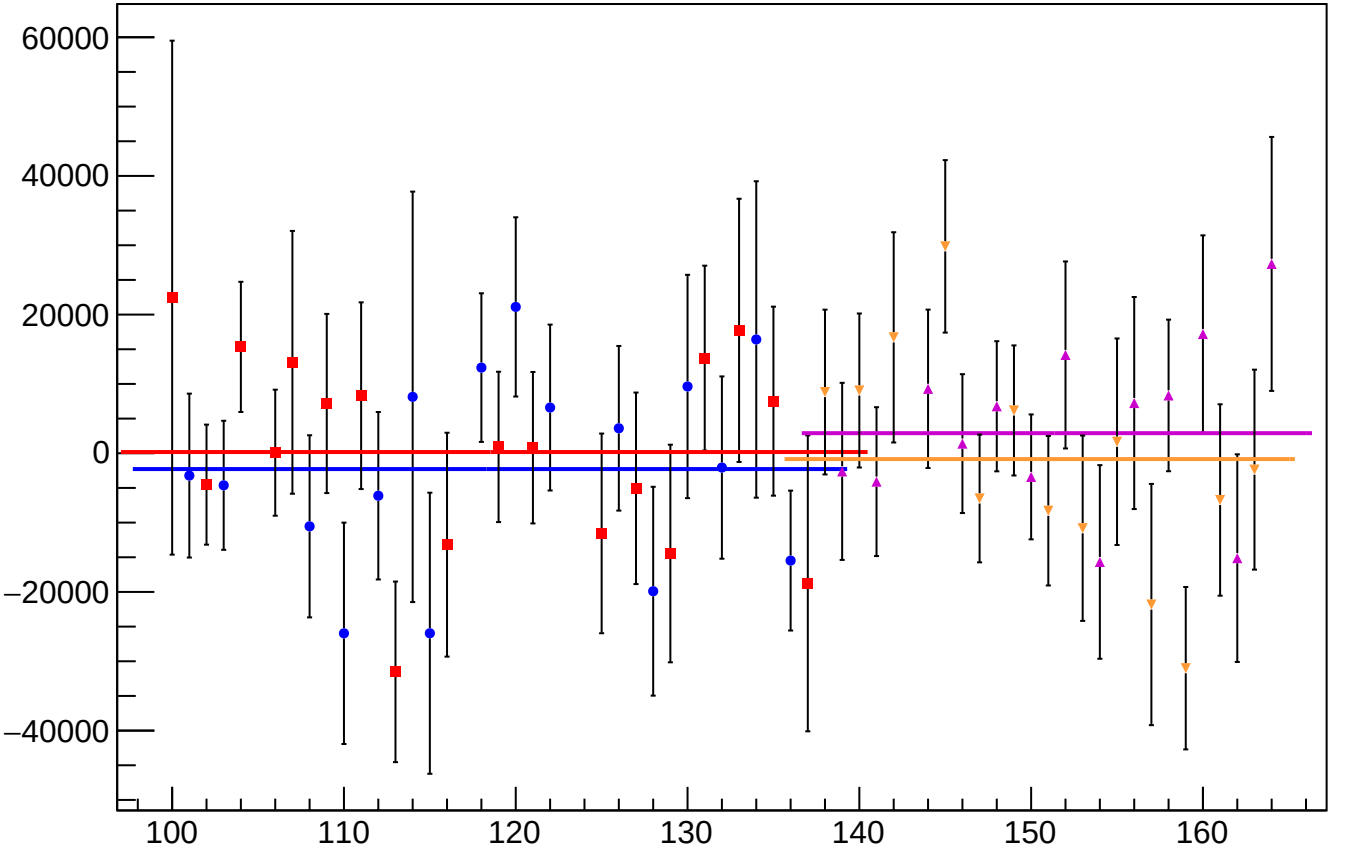
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2320.200+/-0.386 χ^2/NDF:268530.3/28

Out: 2322.131+/-0.394 χ^2/NDF:268865.3/30

All: 2321.146+/-0.276 χ^2/NDF: 537407.8/59

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: -838.923+/-3361.203 χ^2/NDF:19.2/12

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 2897.368+/-3301.017 χ^2/NDF:8.6/12

Left: 1062.973+/-2355.162 χ^2/NDF: 28.4/25

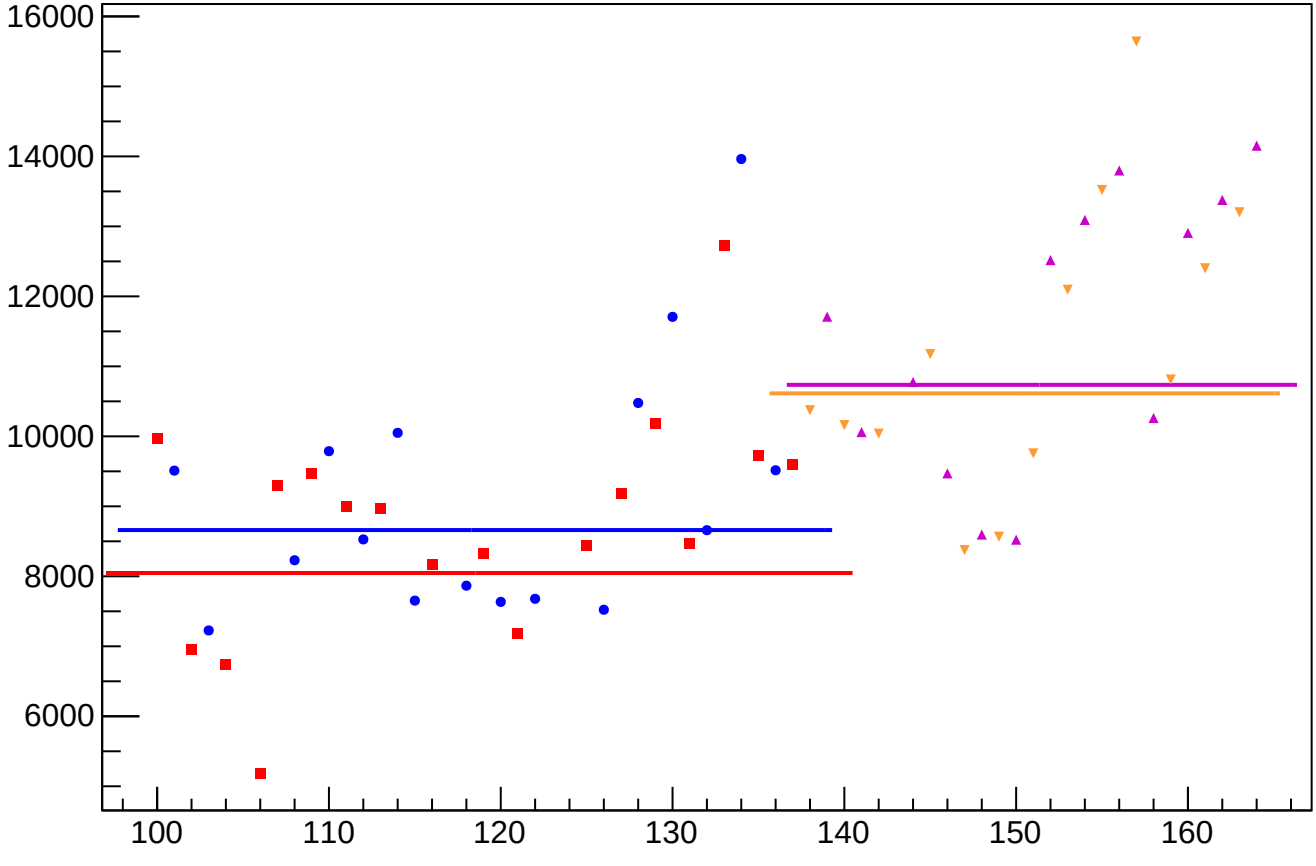
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: 286.417+/-2323.755 χ^2/NDF:24.4/28

Out: -279.330+/-2252.735 χ^2/NDF:34.9/30

All: -5.234+/-1617.449 χ^2/NDF: 59.3/59

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: 10613.702+/-2.377 χ^2/NDF:603528.6/12

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10735.807+/-2.334 χ^2/NDF:630316.8/12

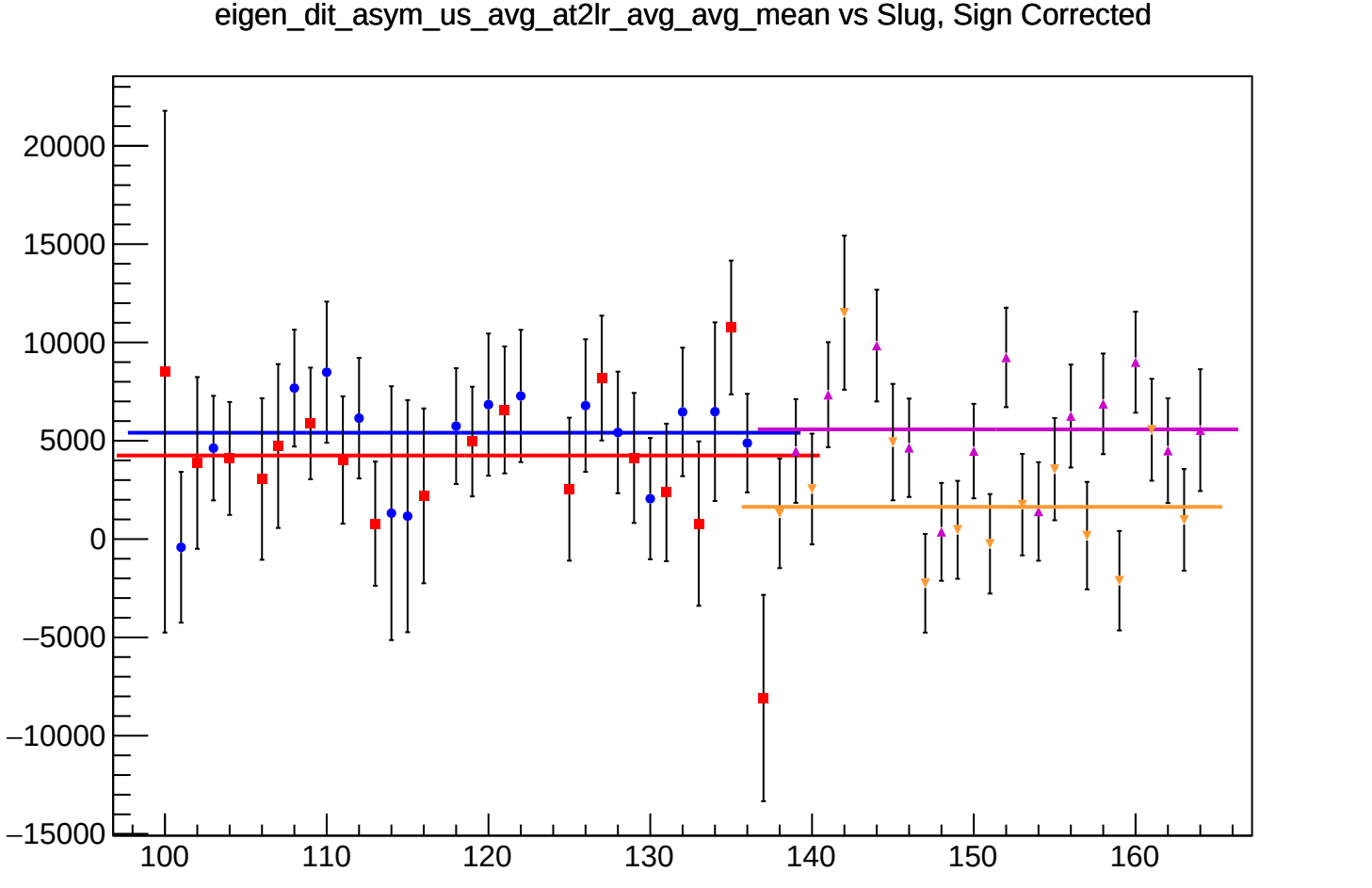
Left: 10675.857+/-1.665 χ^2/NDF: 1235189.0/25

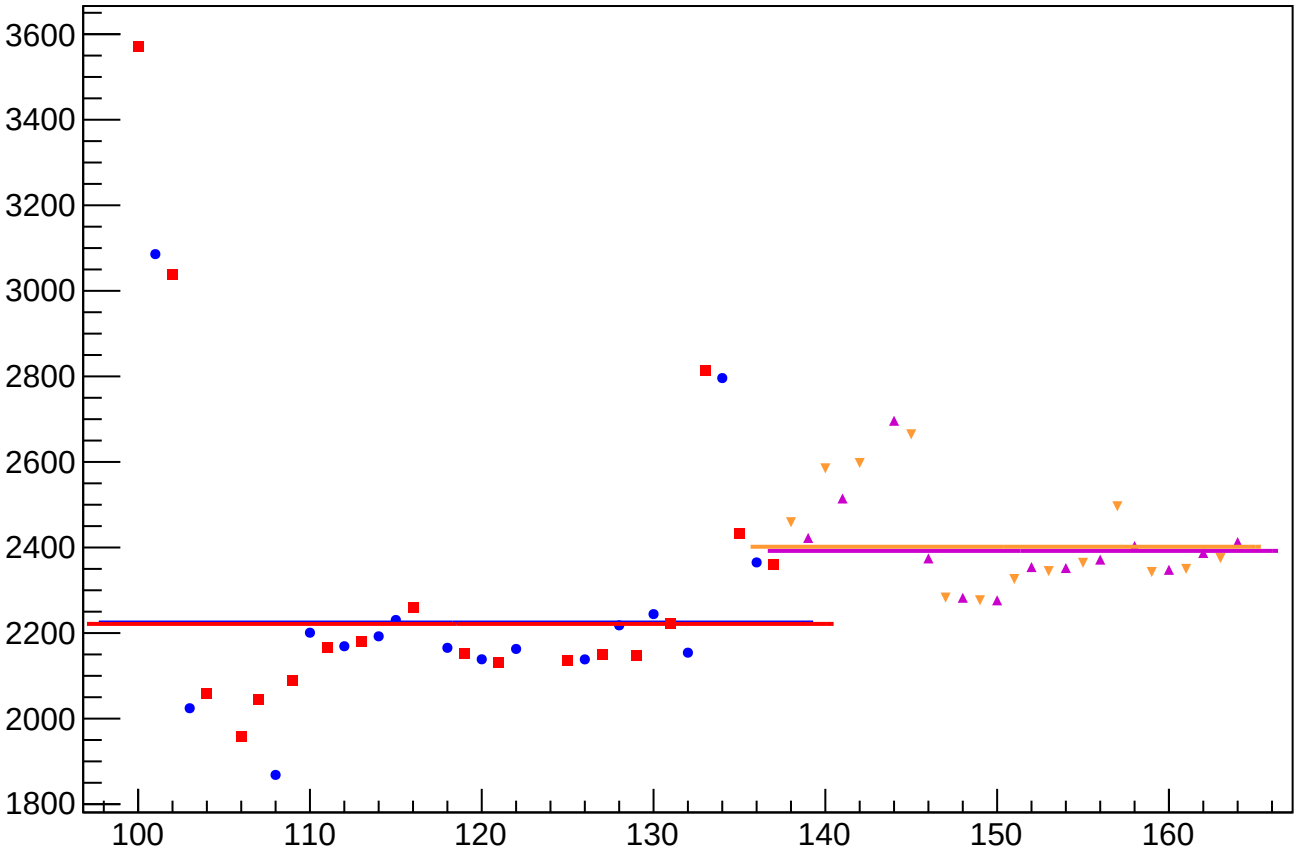
Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9689.030+/-1.643 χ^2/NDF:1386956.6/28

Out: 9200.192+/-1.593 χ^2/NDF:1804238.7/30

All: 9437.027+/-1.144 χ^2/NDF: 3236822.1/59


eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 5407.869+/-833.688 χ²/NDF: 6.7/15
Left Out: 1636.577+/-745.901 χ²/NDF:16.3/12
Right Out: 4249.903+/-839.335 χ²/NDF: 14.5/17
Left In: 5578.486+/-722.993 χ²/NDF:14.7/12
Left: 3668.991+/-519.143 χ²/NDF: 45.4/25
Right: 4832.794+/-591.493 χ²/NDF: 22.2/33
In: 5505.249+/-546.208 χ²/NDF:21.5/28
Out: 2789.742+/-557.551 χ²/NDF:36.2/30
All: 4175.399+/-390.176 χ²/NDF: 69.7/59



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2401.765+/-0.527 χ^2/NDF:47300.3/12

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2392.092+/-0.511 χ^2/NDF:37786.2/12

Left: 2396.777+/-0.367 χ^2/NDF: 85259.9/25

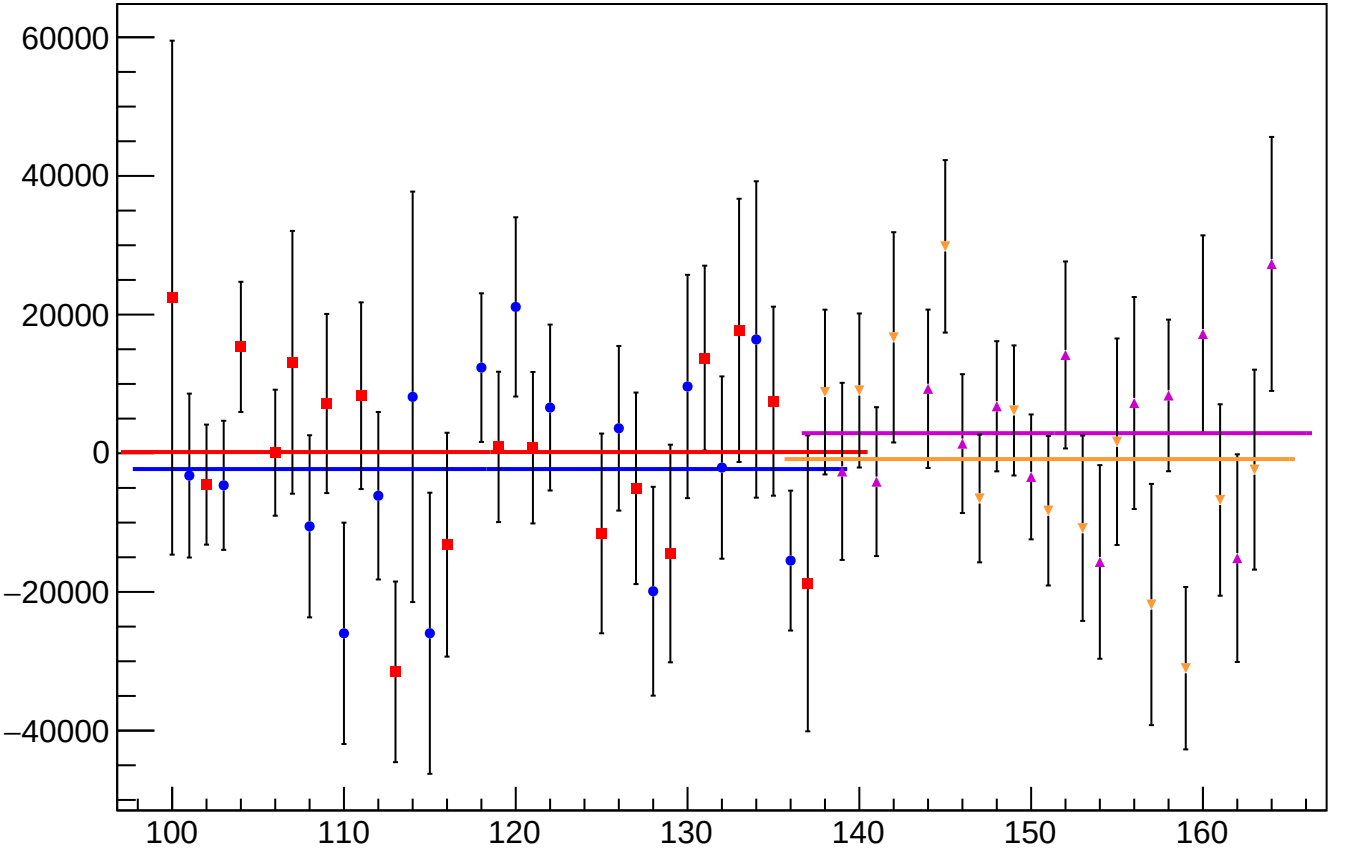
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2320.202+/-0.386 χ^2/NDF:268533.2/28

Out: 2322.132+/-0.394 χ^2/NDF:268868.4/30

All: 2321.148+/-0.276 χ^2/NDF: 537413.8/59

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: -838.935+/-3361.208 χ^2/NDF:19.2/12

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 2897.367+/-3301.022 χ^2/NDF:8.6/12

Left: 1062.966+/-2355.166 χ^2/NDF: 28.4/25

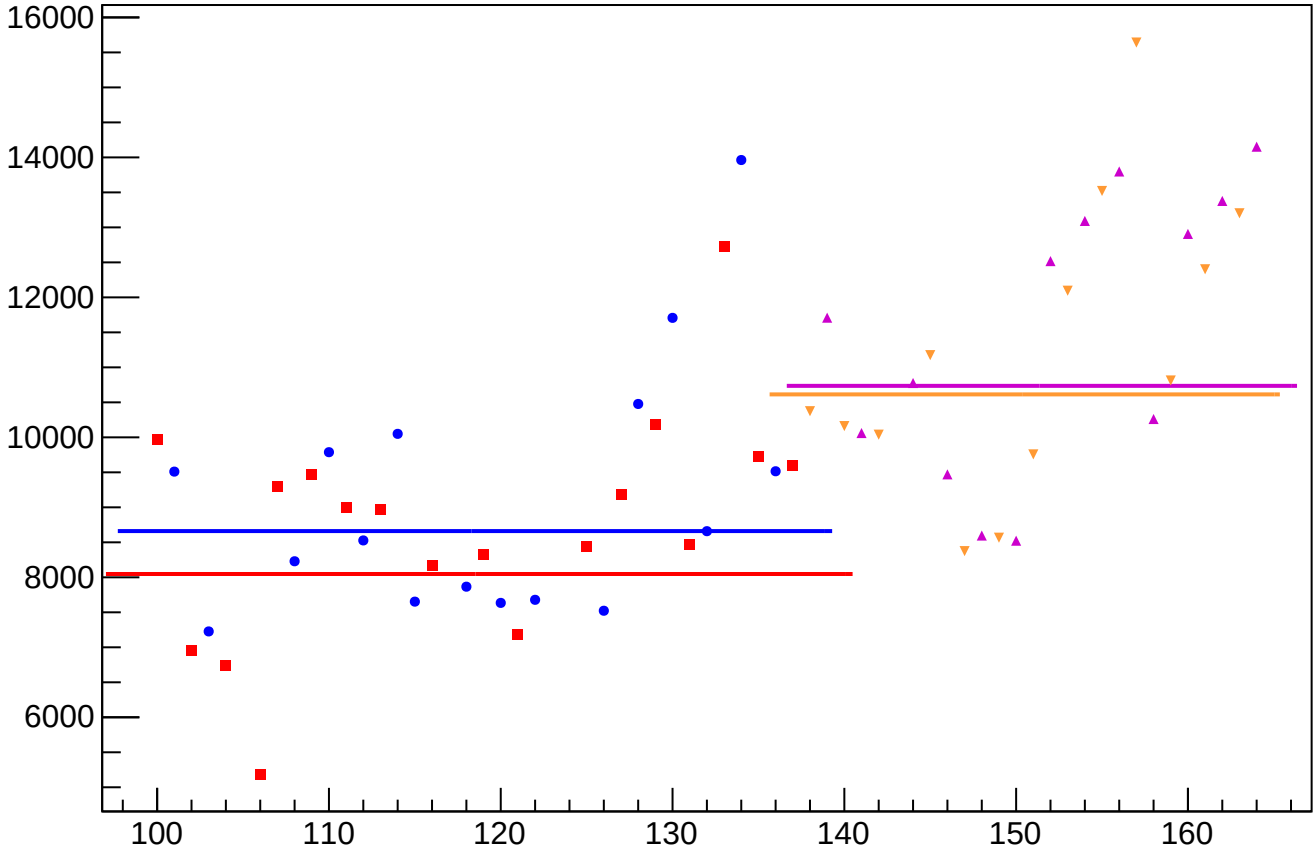
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: 286.418+/-2323.754 χ^2/NDF:24.4/28

Out: -279.331+/-2252.734 χ^2/NDF:34.9/30

All: -5.234+/-1617.448 χ^2/NDF: 59.3/59

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: 10613.717+/-2.377 χ^2/NDF:603530.5/12

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10735.822+/-2.334 χ^2/NDF:630318.4/12

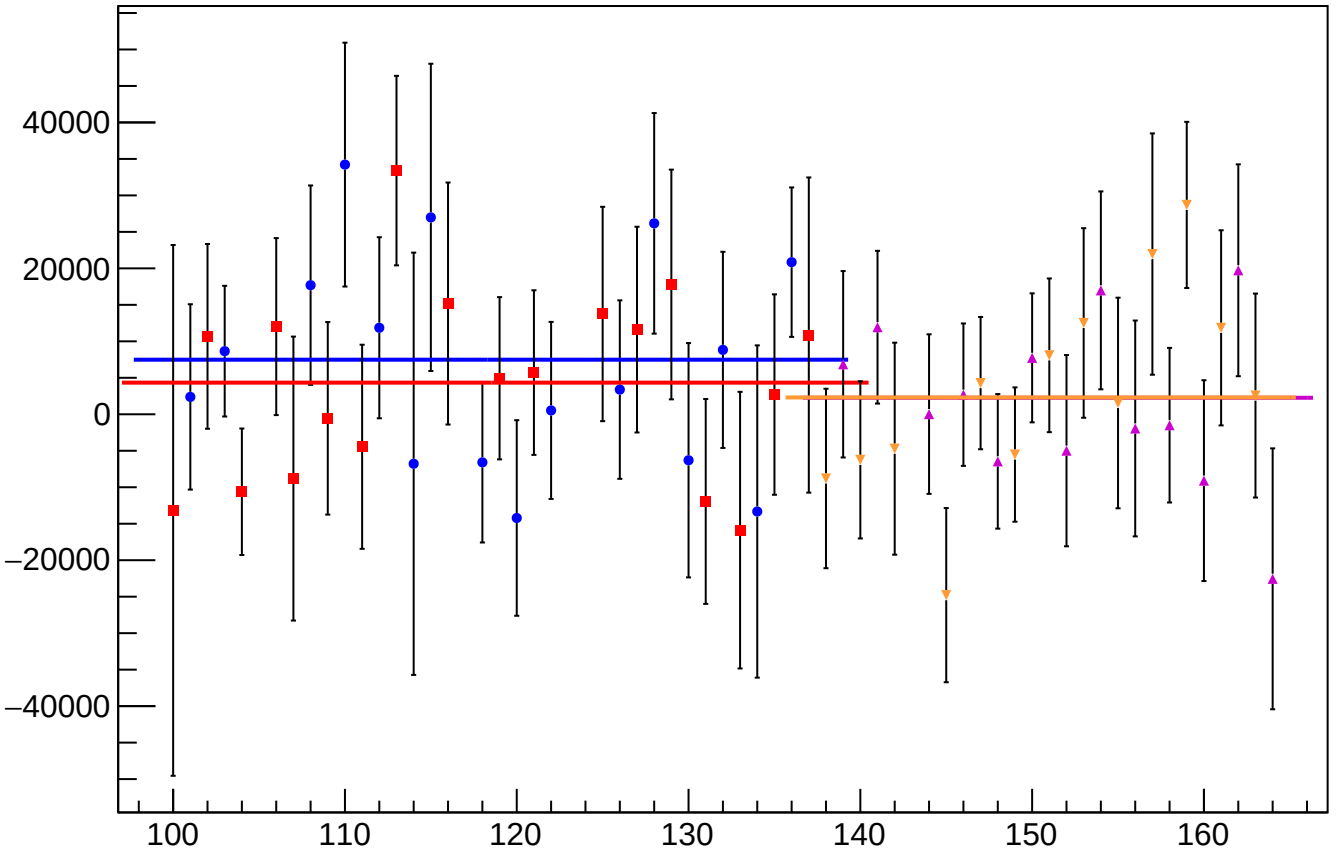
Left: 10675.872+/-1.665 χ^2/NDF: 1235192.4/25

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9689.023+/-1.643 χ^2/NDF:1386974.8/28

Out: 9200.184+/-1.593 χ^2/NDF:1804255.5/30

All: 9437.019+/-1.144 χ^2/NDF: 3236857.3/59



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2305.724+/-3283.277 χ^2/NDF:15.8/12

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 2264.507+/-3218.149 χ^2/NDF:8.0/12

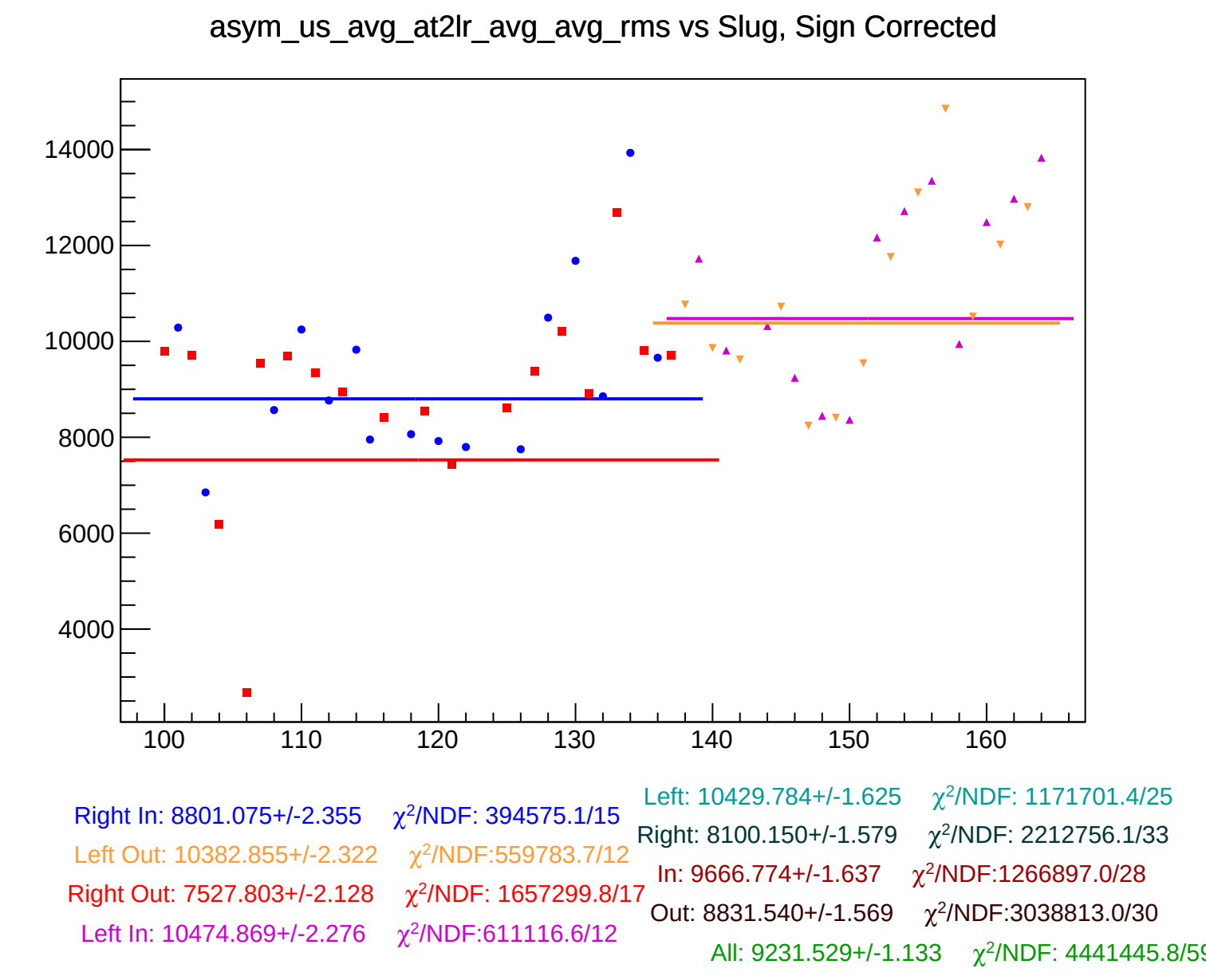
Left: 2284.702+/-2298.255 χ^2/NDF: 23.9/25

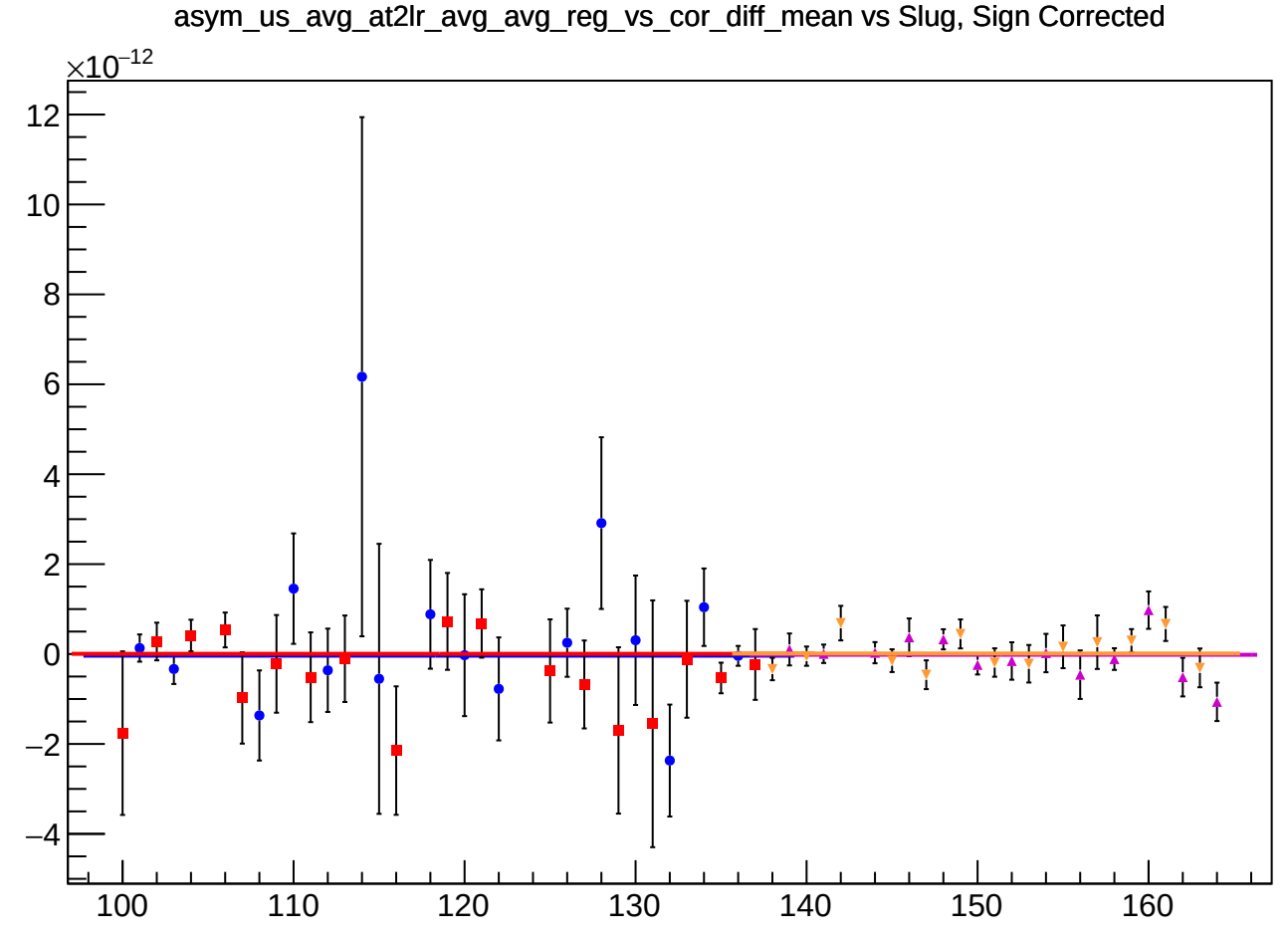
Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 4783.330+/-2314.414 χ^2/NDF:23.4/28

Out: 3334.607+/-2307.119 χ^2/NDF:30.3/30

All: 4056.682+/-1633.953 χ^2/NDF: 53.9/59


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 8801.075+/-2.355 χ²/NDF: 394575.1/15
Left Out: 10382.855+/-2.322 χ²/NDF:559783.7/12
Right Out: 7527.803+/-2.128 χ²/NDF: 1657299.8/17
Left In: 10474.869+/-2.276 χ²/NDF:611116.6/12
Left: 10429.784+/-1.625 χ²/NDF: 1171701.4/25
Right: 8100.150+/-1.579 χ²/NDF: 2212756.1/33
In: 9666.774+/-1.637 χ²/NDF:1266897.0/28
Out: 8831.540+/-1.569 χ²/NDF:3038813.0/30
All: 9231.529+/-1.133 χ²/NDF: 4441445.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:18.5/12

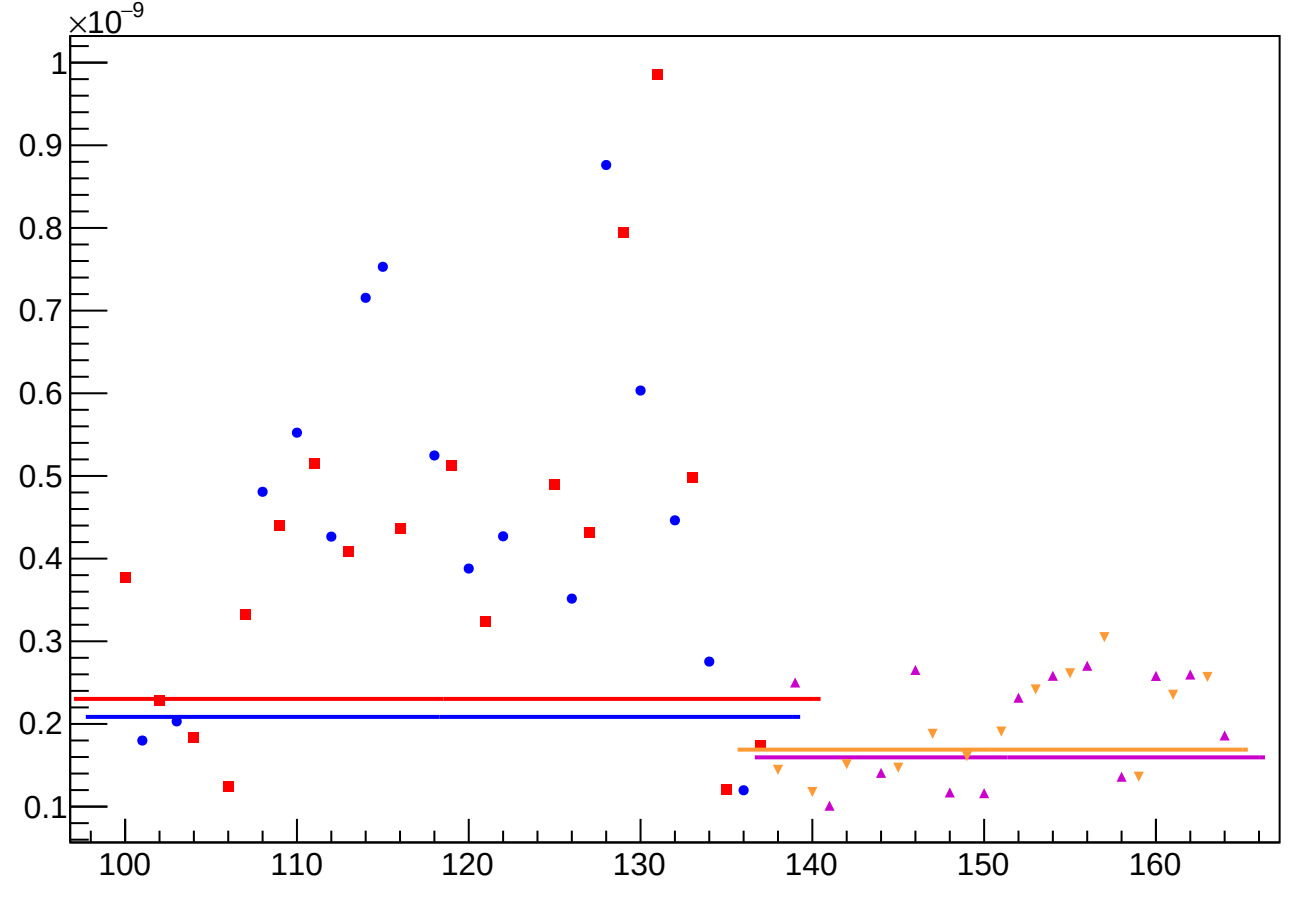
Left: -0.000+/-0.000 χ^2/NDF: 33.8/25

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:32.8/28

Out: 0.000+/-0.000 χ^2/NDF:29.0/30

All: -0.000+/-0.000 χ^2/NDF: 61.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:588776.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1084506.9/12

Left: 0.000+/-0.000 χ^2/NDF: 1685314.2/25

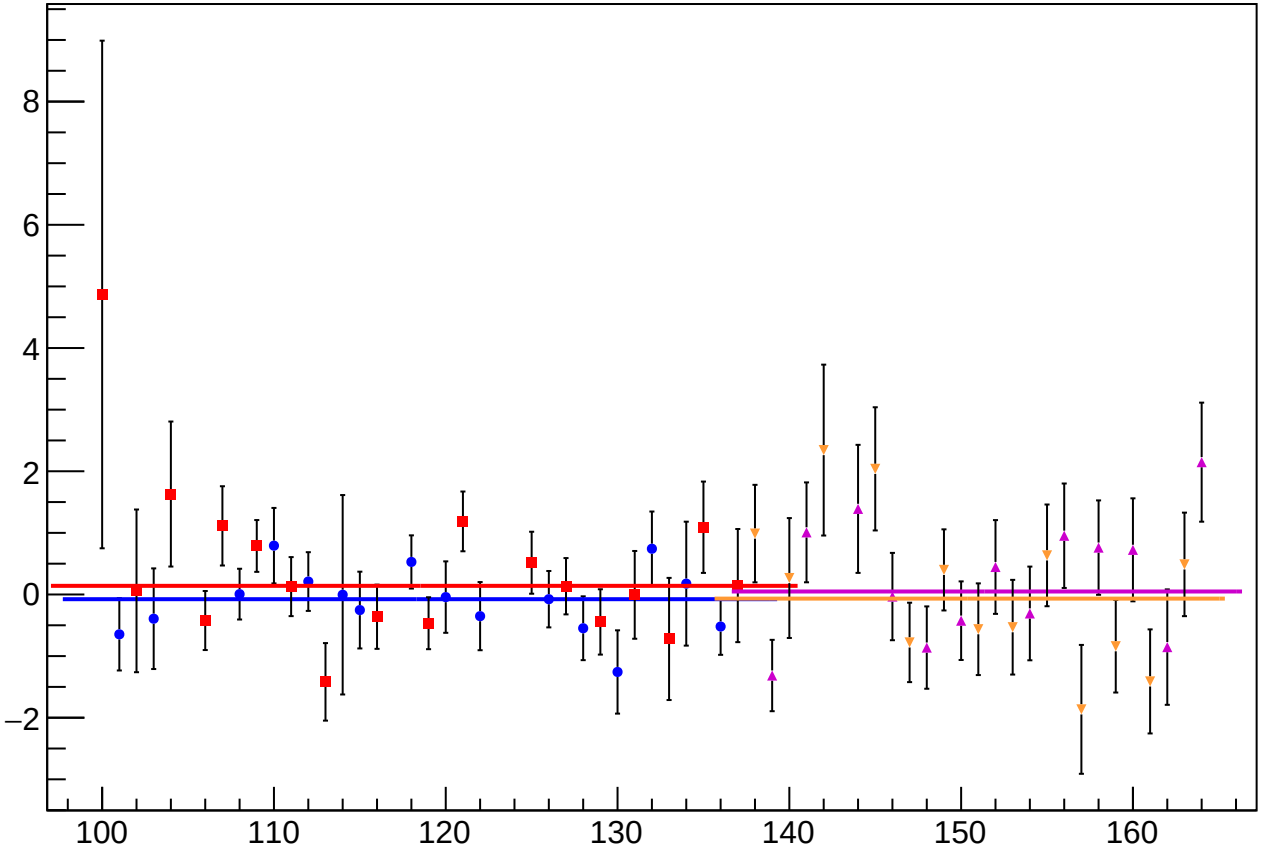
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2894581.7/28

Out: 0.000+/-0.000 χ^2/NDF:2384454.4/30

All: 0.000+/-0.000 χ^2/NDF: 5303221.3/59

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: -0.067+/-0.227 χ^2/NDF:19.6/12

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.049+/-0.212 χ^2/NDF:19.8/12

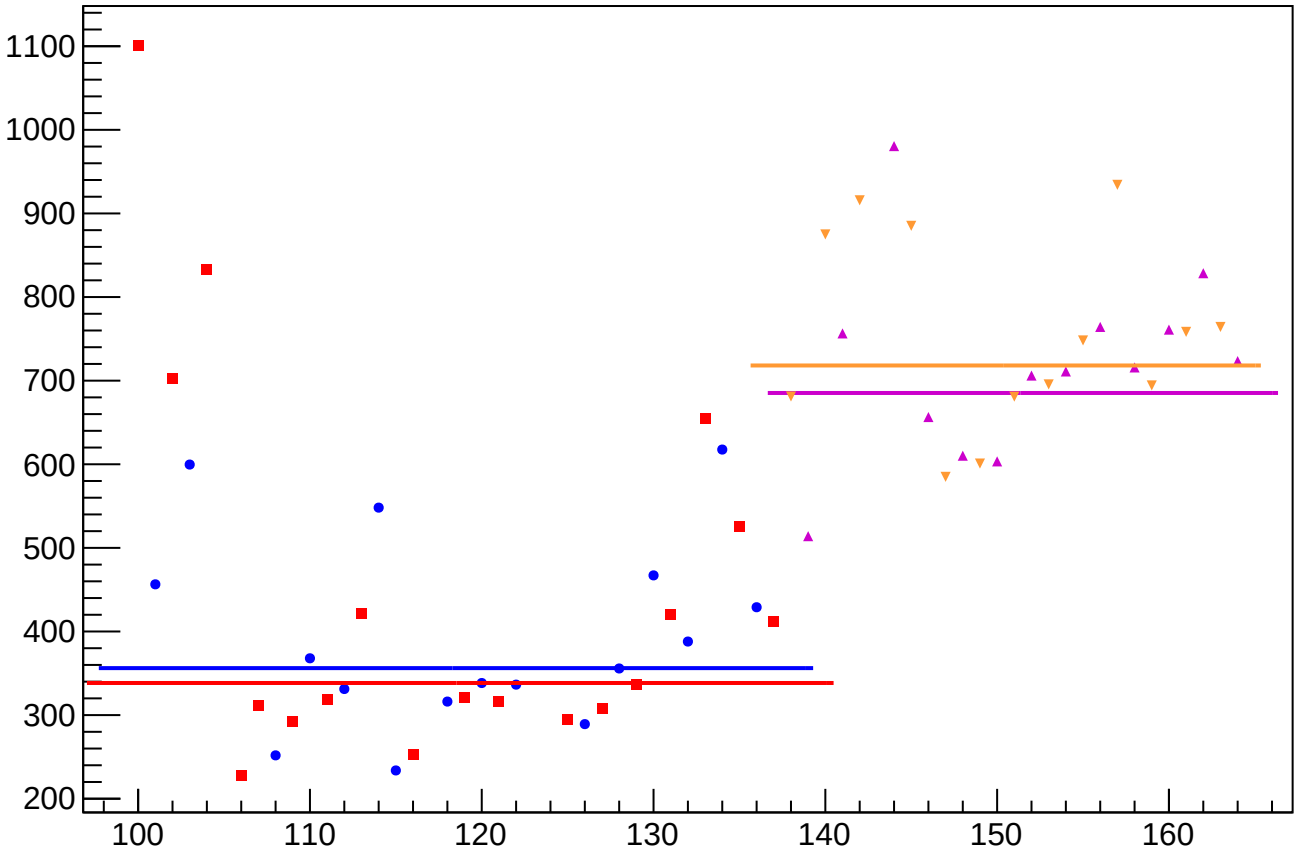
Left: -0.005+/-0.155 χ^2/NDF: 39.6/25

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.038+/-0.117 χ^2/NDF:32.6/28

Out: 0.084+/-0.118 χ^2/NDF:47.2/30

All: 0.022+/-0.083 χ^2/NDF: 80.3/59



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 718.161+/-0.161 χ^2/NDF:408992.3/12

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 685.271+/-0.150 χ^2/NDF:503933.4/12

Left: 700.551+/-0.110 χ^2/NDF: 935353.8/25

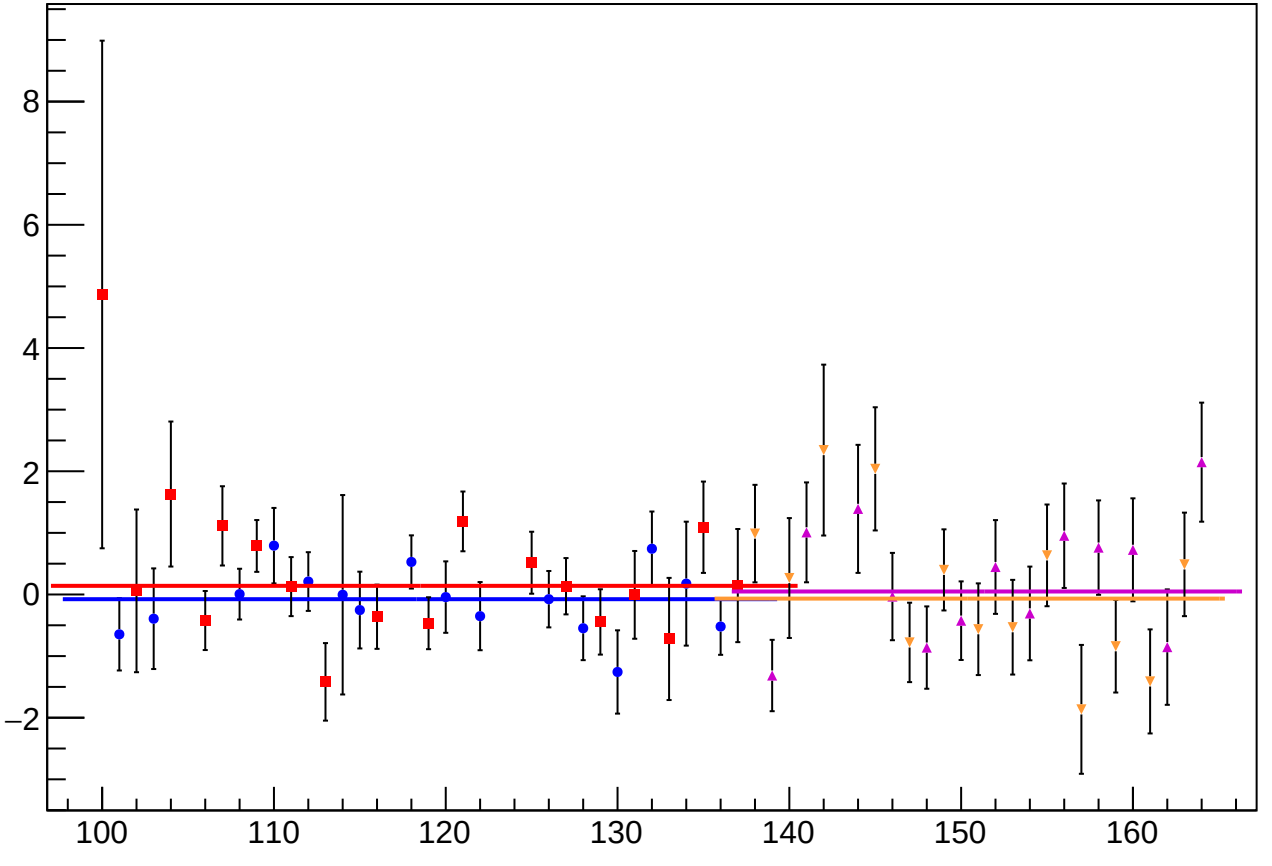
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 456.223+/-0.083 χ^2/NDF:4652887.0/28

Out: 440.680+/-0.083 χ^2/NDF:5692627.5/30

All: 448.532+/-0.059 χ^2/NDF: 10363062.6/59

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: -0.067+/-0.227 χ^2/NDF:19.6/12

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.049+/-0.212 χ^2/NDF:19.8/12

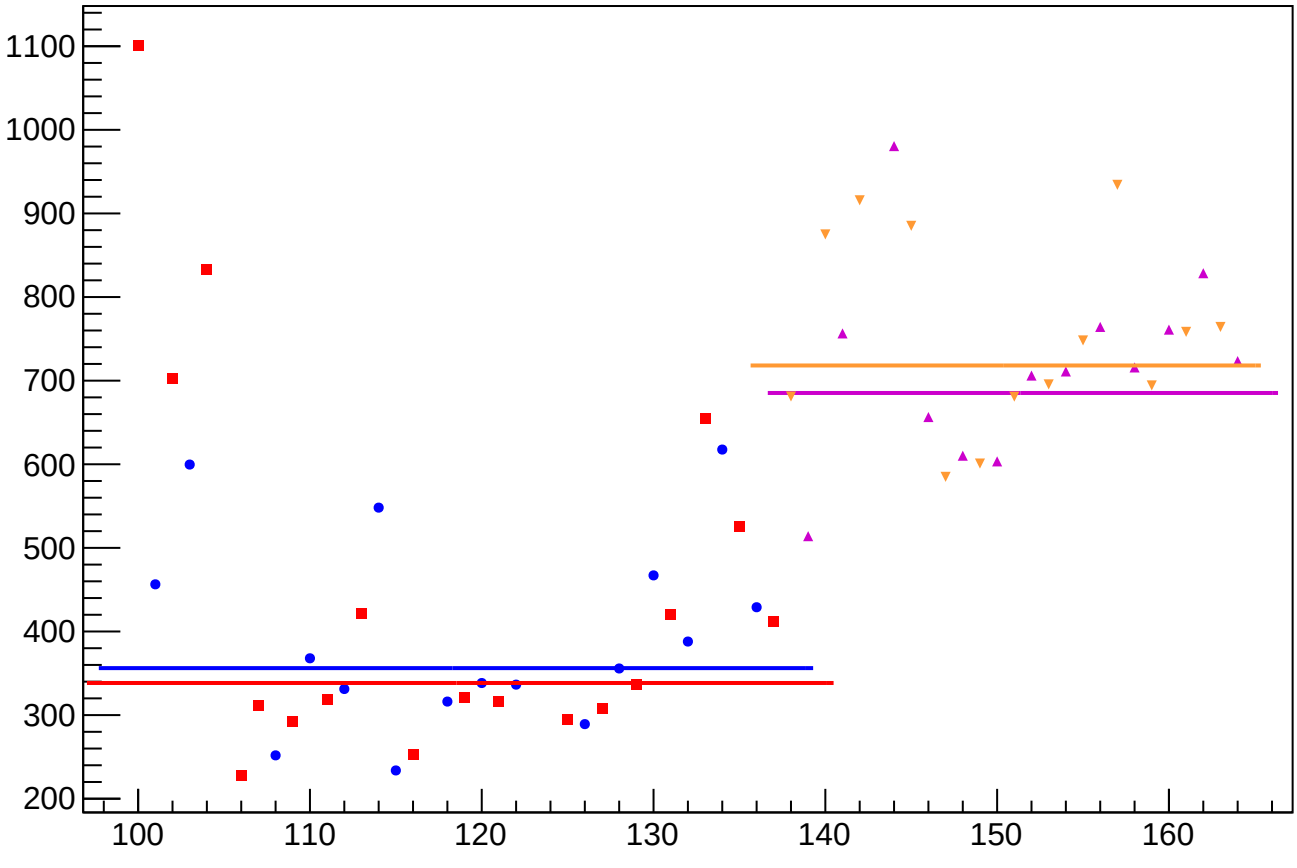
Left: -0.005+/-0.155 χ^2/NDF: 39.6/25

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.038+/-0.117 χ^2/NDF:32.6/28

Out: 0.084+/-0.118 χ^2/NDF:47.2/30

All: 0.022+/-0.083 χ^2/NDF: 80.3/59



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 718.161+/-0.161 χ^2/NDF:408992.3/12

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 685.271+/-0.150 χ^2/NDF:503933.4/12

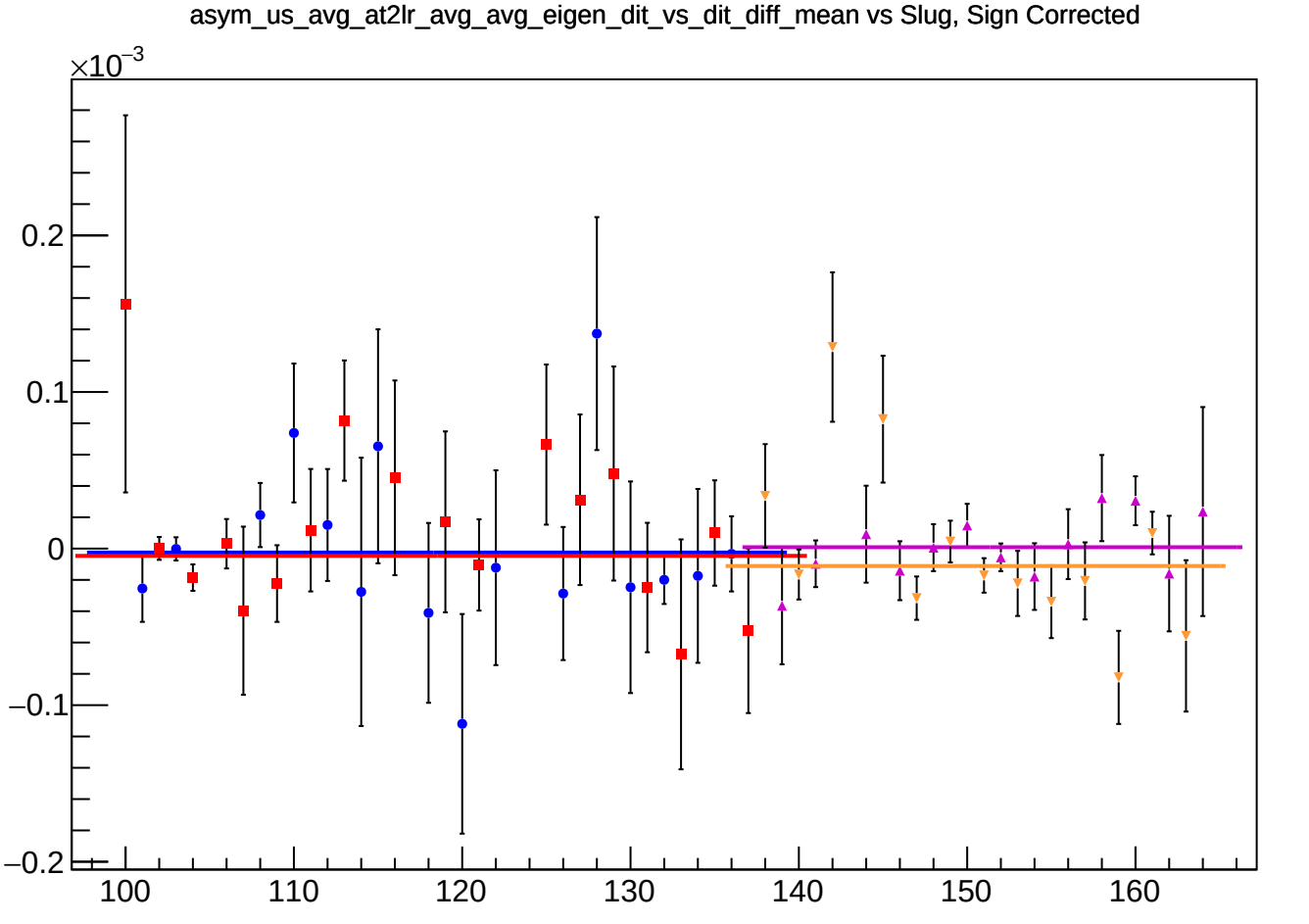
Left: 700.551+/-0.110 χ^2/NDF: 935353.8/25

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 456.223+/-0.083 χ^2/NDF:4652887.0/28

Out: 440.680+/-0.083 χ^2/NDF:5692627.5/30

All: 448.532+/-0.059 χ^2/NDF: 10363062.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:9.8/12

Left: -0.000+/-0.000 χ^2/NDF: 42.8/25

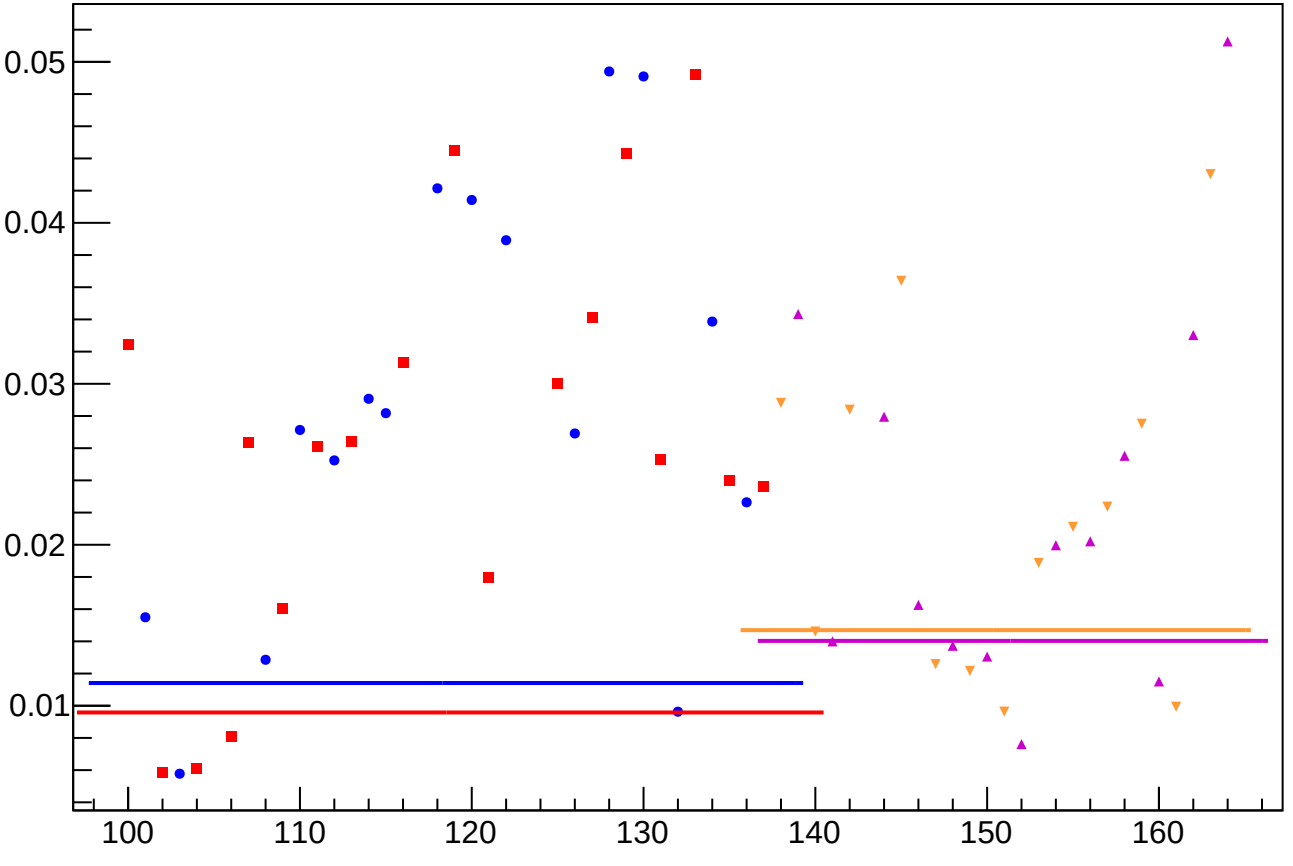
Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:25.0/28

Out: -0.000+/-0.000 χ^2/NDF:48.1/30

All: -0.000+/-0.000 χ^2/NDF: 75.0/59

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: 0.015+/-0.000 χ^2/NDF:3374300.9/12

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.014+/-0.000 χ^2/NDF:3942651.7/12

Left: 0.014+/-0.000 χ^2/NDF: 7334646.4/25

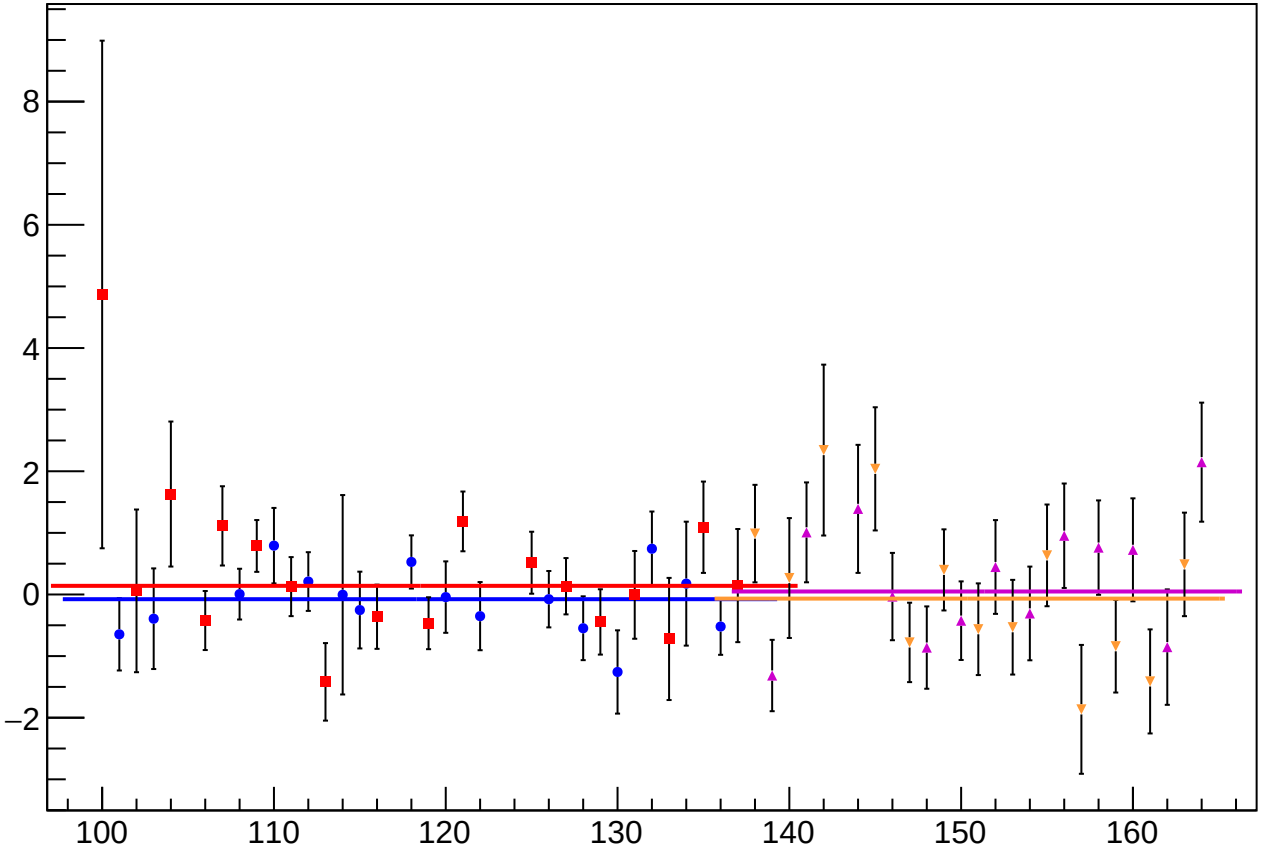
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:9693582.4/28

Out: 0.012+/-0.000 χ^2/NDF:10233851.3/30

All: 0.012+/-0.000 χ^2/NDF: 20001558.2/59

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: -0.067+/-0.227 χ^2/NDF:19.6/12

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.049+/-0.212 χ^2/NDF:19.8/12

Left: -0.005+/-0.155 χ^2/NDF: 39.6/25

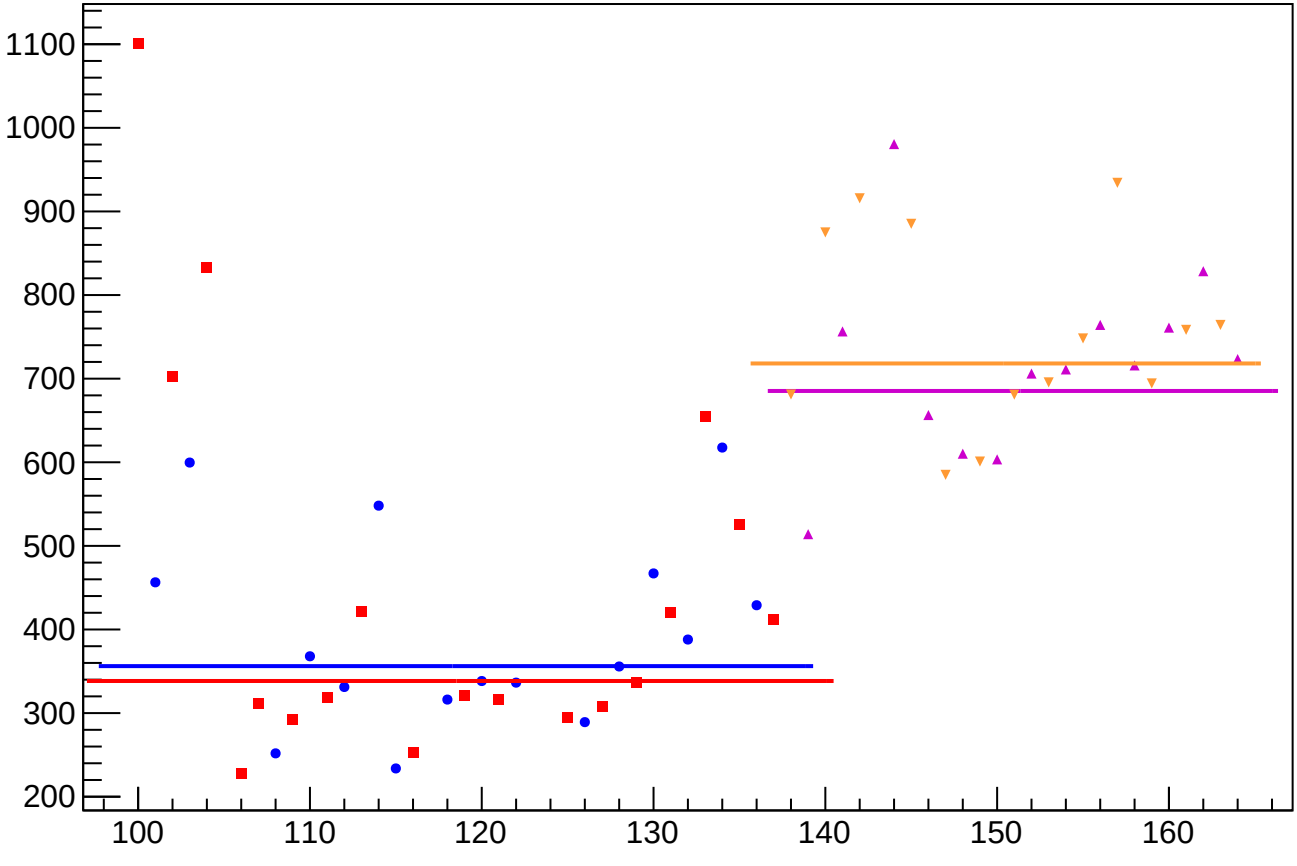
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.038+/-0.117 χ^2/NDF:32.6/28

Out: 0.084+/-0.118 χ^2/NDF:47.2/30

All: 0.022+/-0.083 χ^2/NDF: 80.3/59

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: 718.171+/-0.161 χ^2/NDF:409007.0/12

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 685.282+/-0.150 χ^2/NDF:503930.5/12

Left: 700.562+/-0.110 χ^2/NDF: 935364.0/25

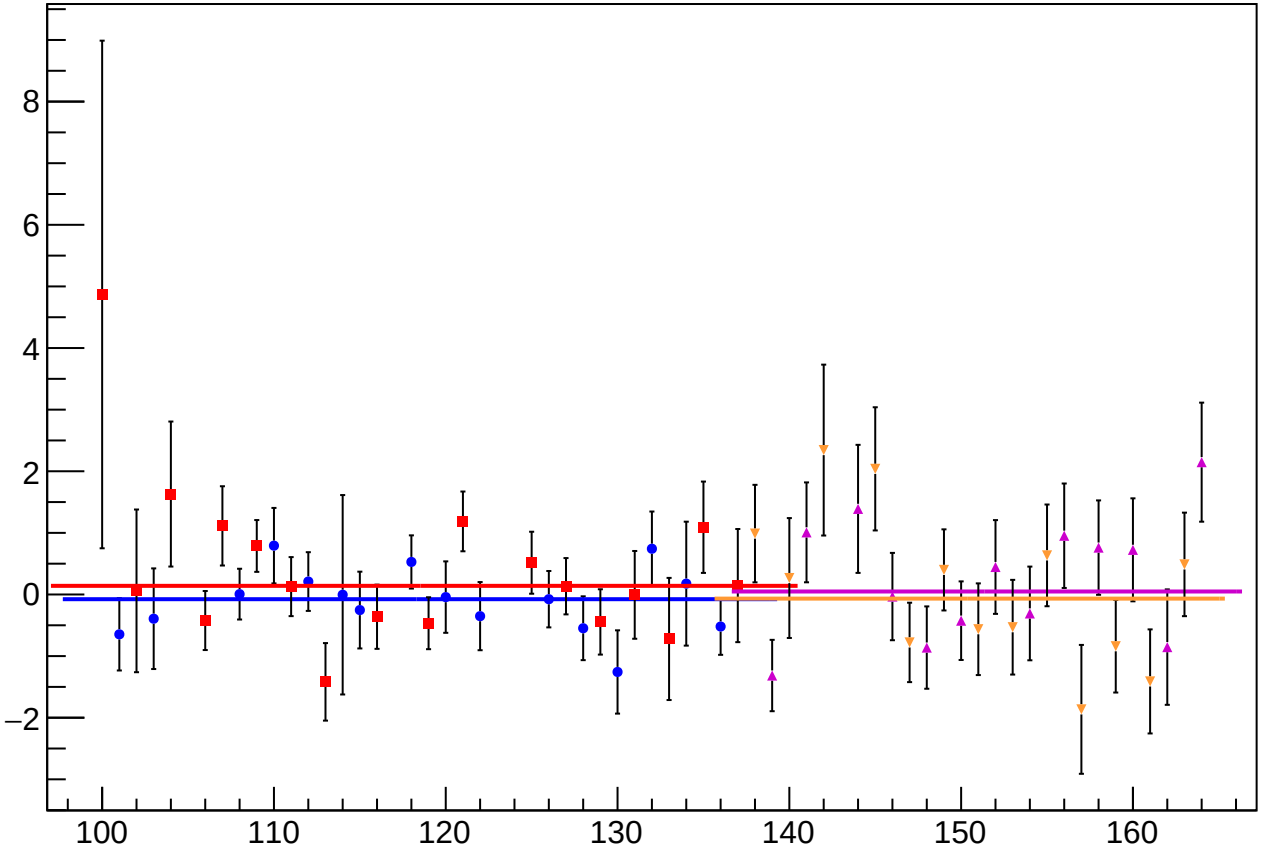
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 456.222+/-0.083 χ^2/NDF:4653042.3/28

Out: 440.678+/-0.083 χ^2/NDF:5692819.5/30

All: 448.531+/-0.059 χ^2/NDF: 10363413.0/59

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: -0.067+/-0.227 χ^2/NDF:19.6/12

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: 0.049+/-0.212 χ^2/NDF:19.8/12

Left: -0.005+/-0.155 χ^2/NDF: 39.6/25

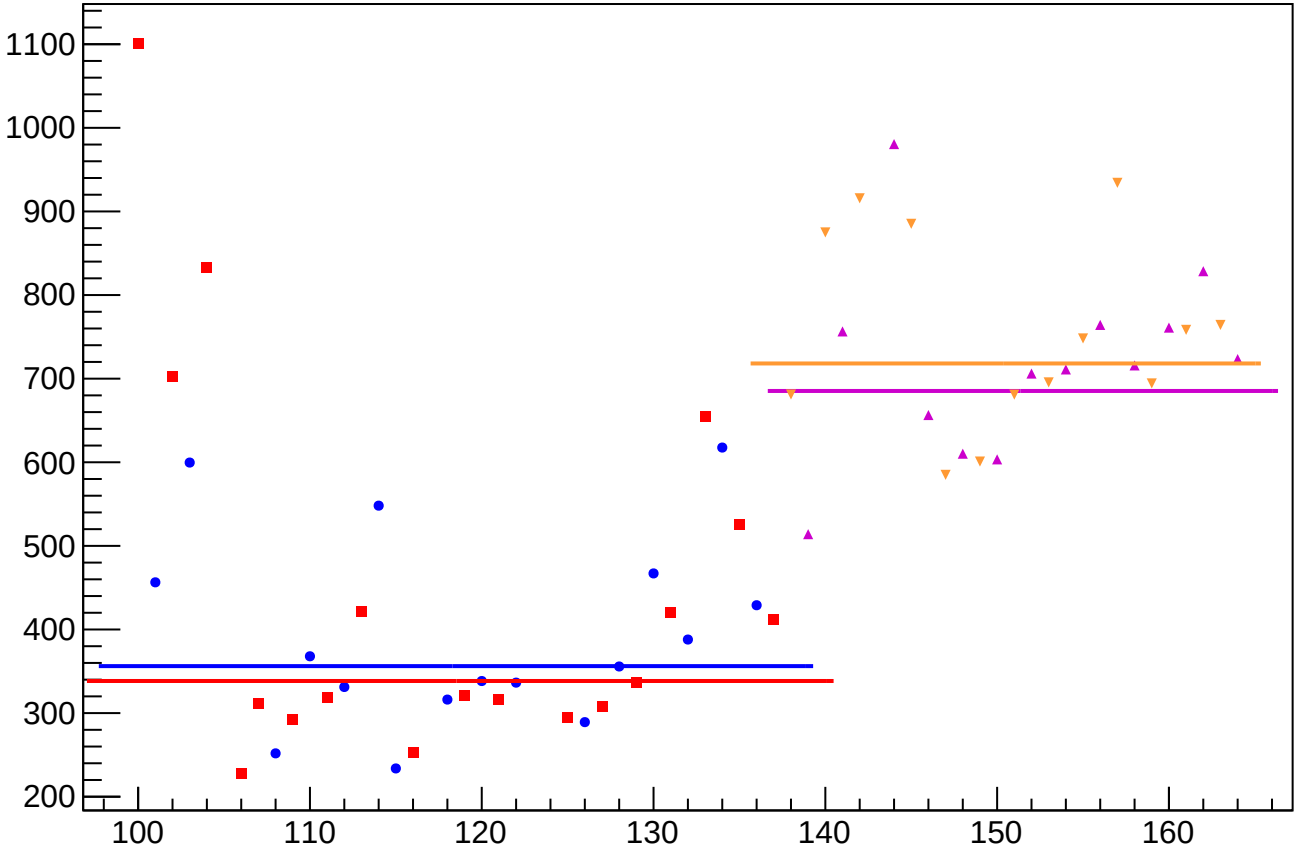
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.038+/-0.117 χ^2/NDF:32.6/28

Out: 0.084+/-0.118 χ^2/NDF:47.2/30

All: 0.022+/-0.083 χ^2/NDF: 80.3/59

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: 718.171+/-0.161 χ^2/NDF:409007.0/12

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 685.282+/-0.150 χ^2/NDF:503930.5/12

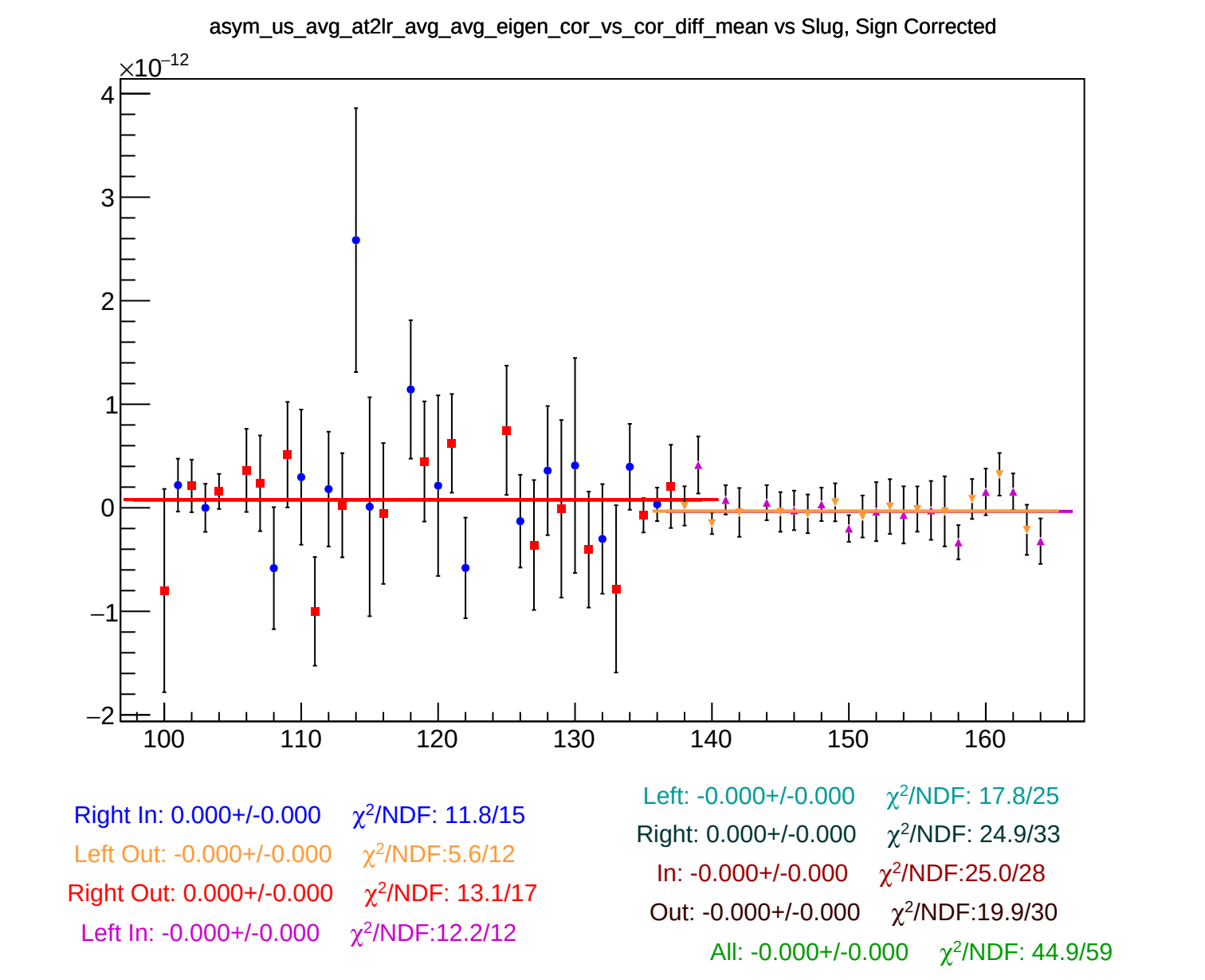
Left: 700.562+/-0.110 χ^2/NDF: 935364.0/25

Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

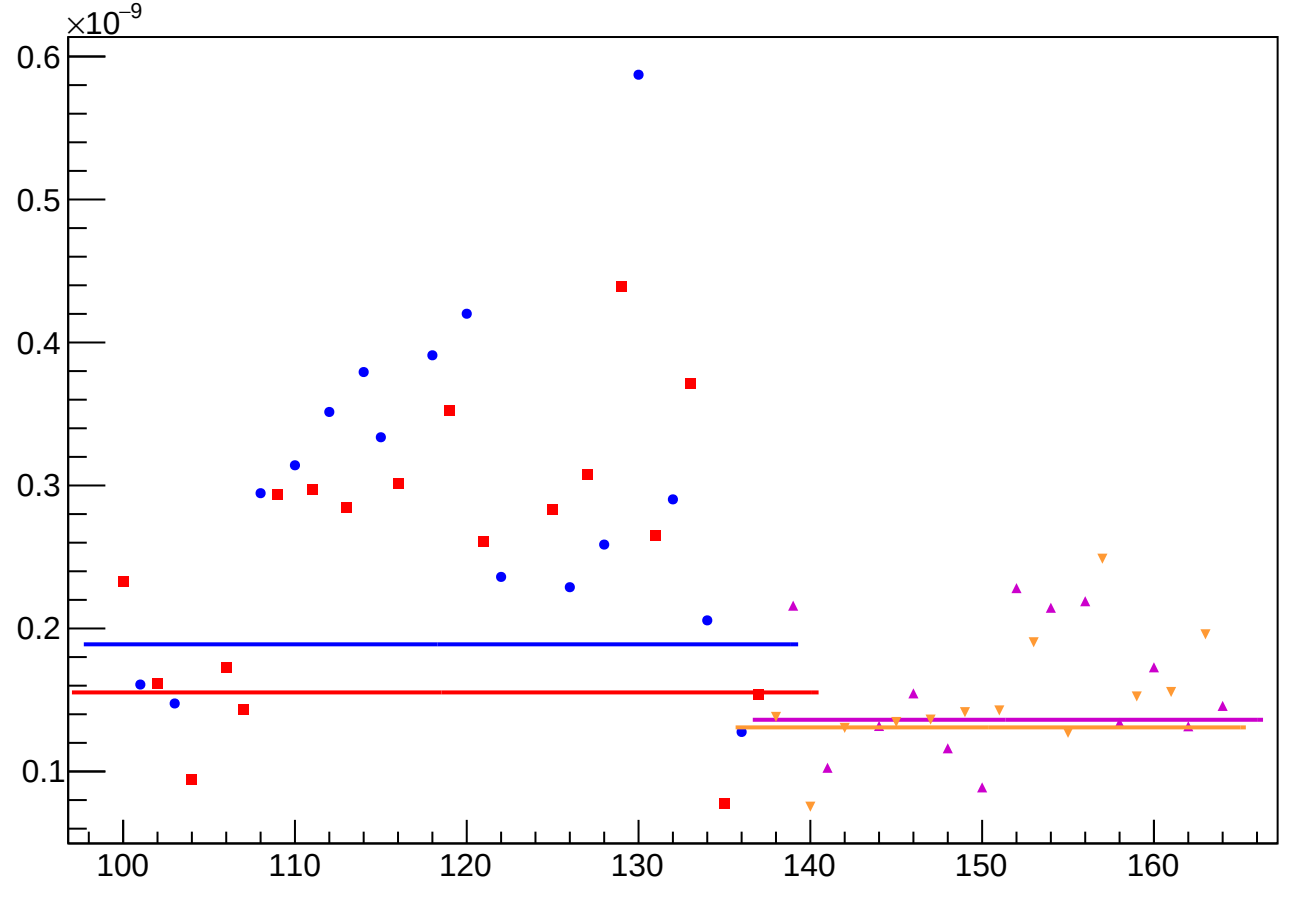
In: 456.222+/-0.083 χ^2/NDF:4653042.3/28

Out: 440.678+/-0.083 χ^2/NDF:5692819.5/30

All: 448.531+/-0.059 χ^2/NDF: 10363413.0/59


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:5.6/12
Right Out: 0.000+/-0.000 χ²/NDF: 13.1/17
Left In: -0.000+/-0.000 χ²/NDF:12.2/12
Left: -0.000+/-0.000 χ²/NDF: 17.8/25
Right: 0.000+/-0.000 χ²/NDF: 24.9/33
In: -0.000+/-0.000 χ²/NDF:25.0/28
Out: -0.000+/-0.000 χ²/NDF:19.9/30
All: -0.000+/-0.000 χ²/NDF: 44.9/59

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1132153.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1199077.9/12

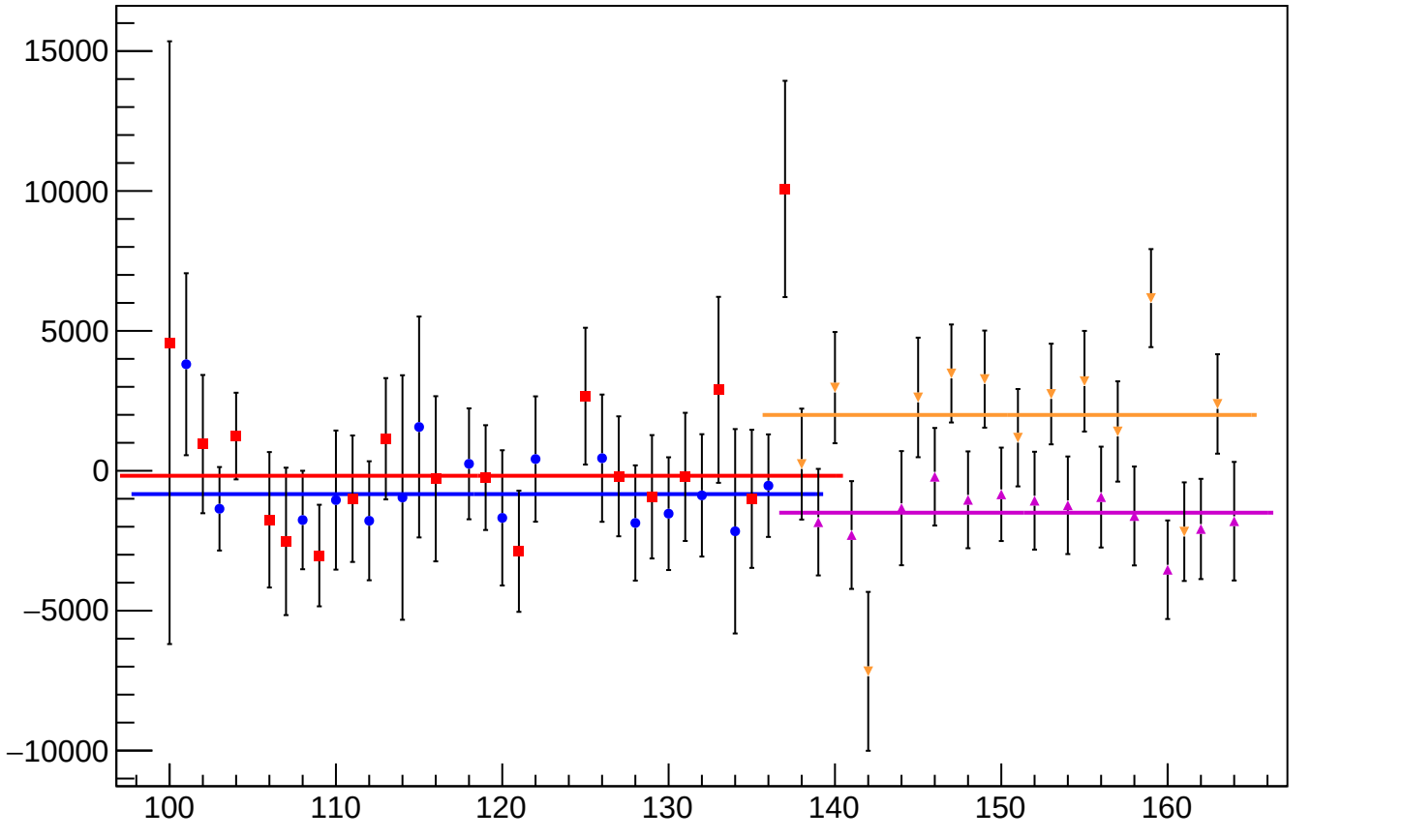
Left: 0.000+/-0.000 χ^2/NDF: 2341608.0/25

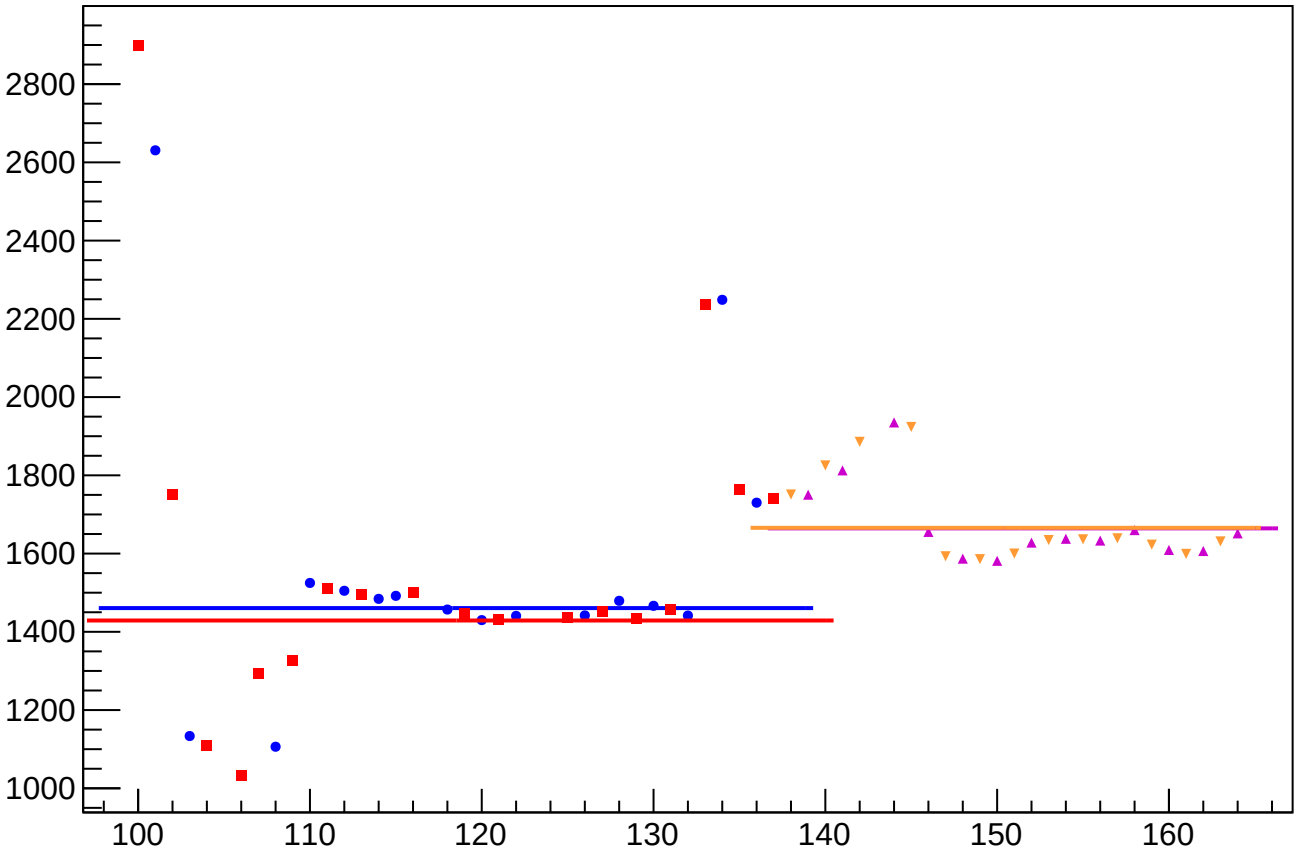
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:3184361.7/28

Out: 0.000+/-0.000 χ^2/NDF:3451474.4/30

All: 0.000+/-0.000 χ^2/NDF: 6689083.2/59


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 1995.963+/-517.572 χ²/NDF:25.1/12
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1498.328+/-503.322 χ²/NDF:2.6/12
Left: 200.050+/-360.835 χ²/NDF: 51.1/25
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -1198.192+/-372.786 χ²/NDF:8.0/28
Out: 970.522+/-376.219 χ²/NDF:49.8/30
All: -123.775+/-264.805 χ²/NDF: 74.6/59



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1665.876+/-0.366 χ^2/NDF:74660.9/12

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1664.430+/-0.356 χ^2/NDF:66214.7/12

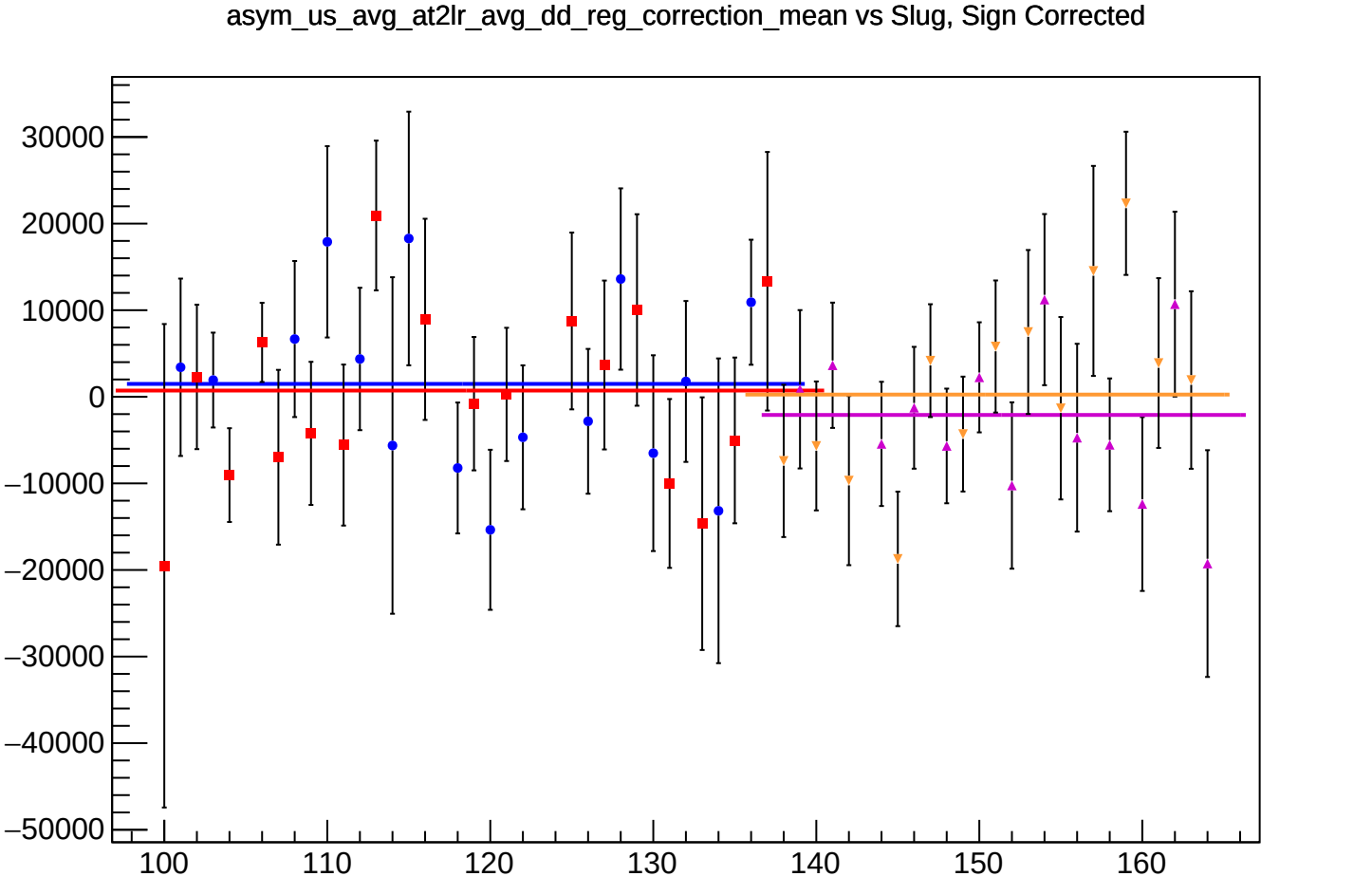
Left: 1665.133+/-0.255 χ^2/NDF: 140883.6/25

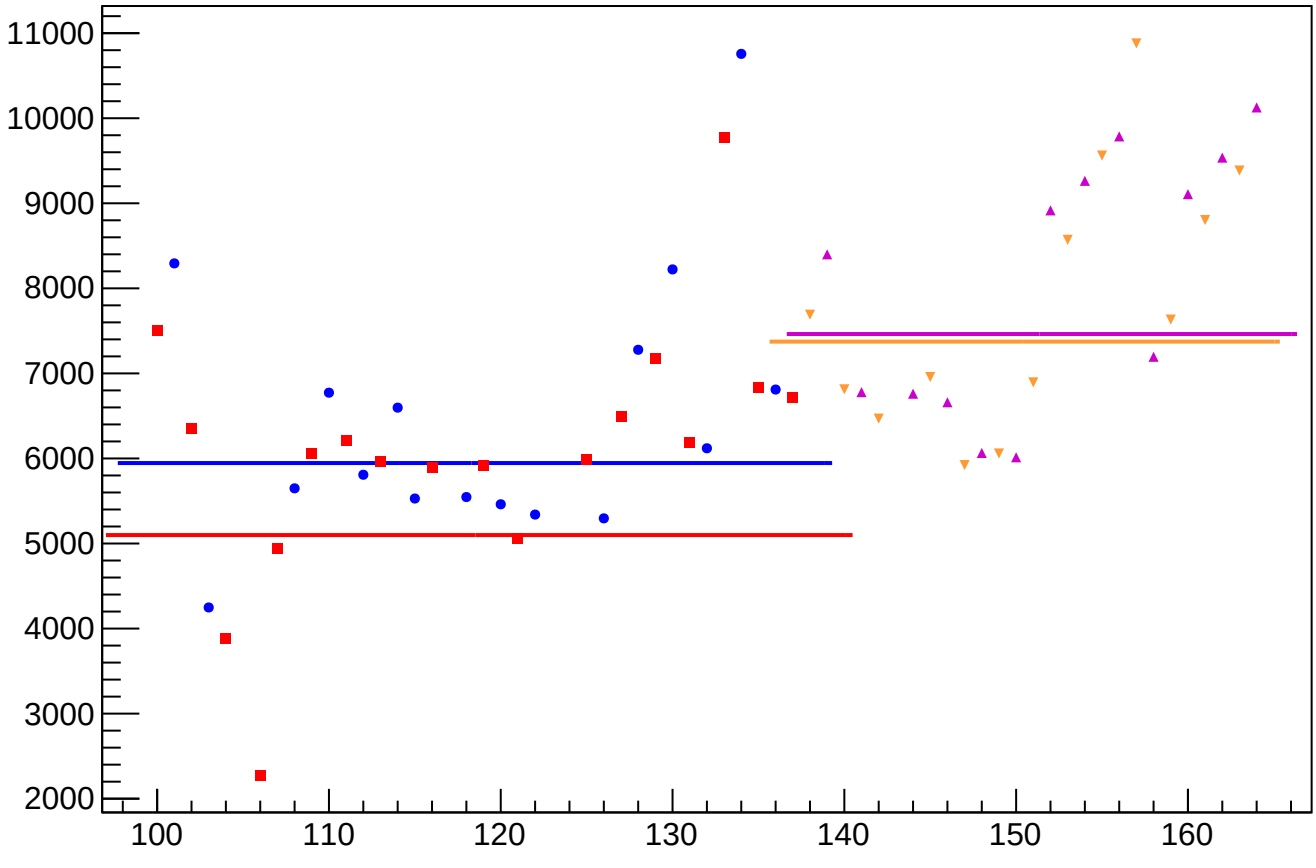
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1572.438+/-0.264 χ^2/NDF:789943.8/28

Out: 1553.255+/-0.265 χ^2/NDF:685158.4/30

All: 1562.901+/-0.187 χ^2/NDF: 1477735.2/59


asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: 1487.438+/-2268.028 χ²/NDF: 14.2/15
Left Out: 255.369+/-2337.586 χ²/NDF:19.0/12
Right Out: 720.166+/-2011.559 χ²/NDF: 17.5/17
Left In: -2098.252+/-2297.723 χ²/NDF:8.7/12
Left: -941.681+/-1638.647 χ²/NDF: 28.3/25
Right: 1057.985+/-1504.928 χ²/NDF: 31.8/33
In: -282.088+/-1614.134 χ²/NDF:24.1/28
Out: 522.416+/-1524.736 χ²/NDF:36.6/30
All: 143.059+/-1108.408 χ²/NDF: 60.9/59



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7373.693+/-1.653 χ^2/NDF:629541.4/12

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7463.017+/-1.625 χ^2/NDF:695712.3/12

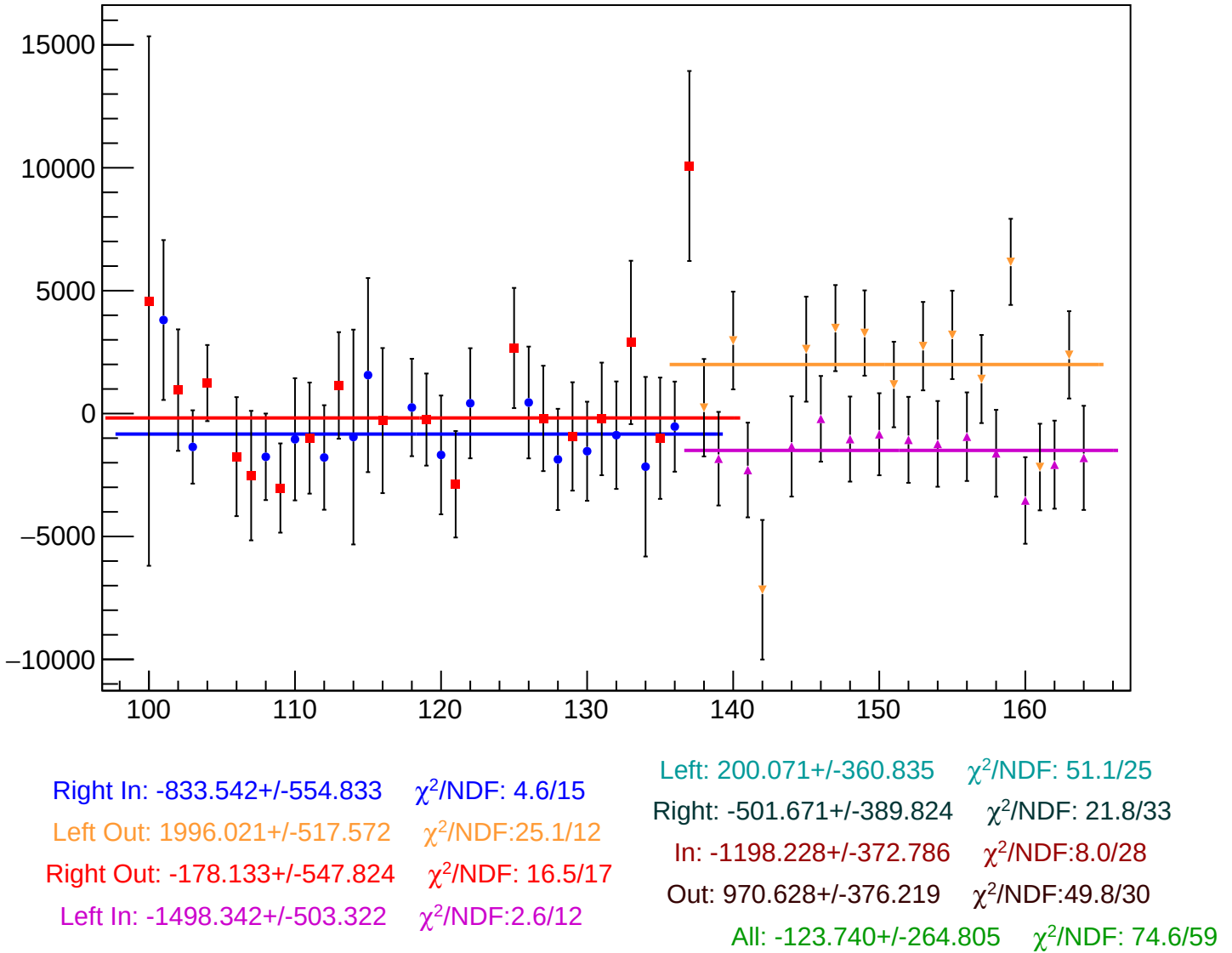
Left: 7419.123+/-1.159 χ^2/NDF: 1326739.0/25

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6694.683+/-1.141 χ^2/NDF:1778366.0/28

Out: 6066.996+/-1.078 χ^2/NDF:3197639.0/30

All: 6362.977+/-0.784 χ^2/NDF: 5135831.2/59


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
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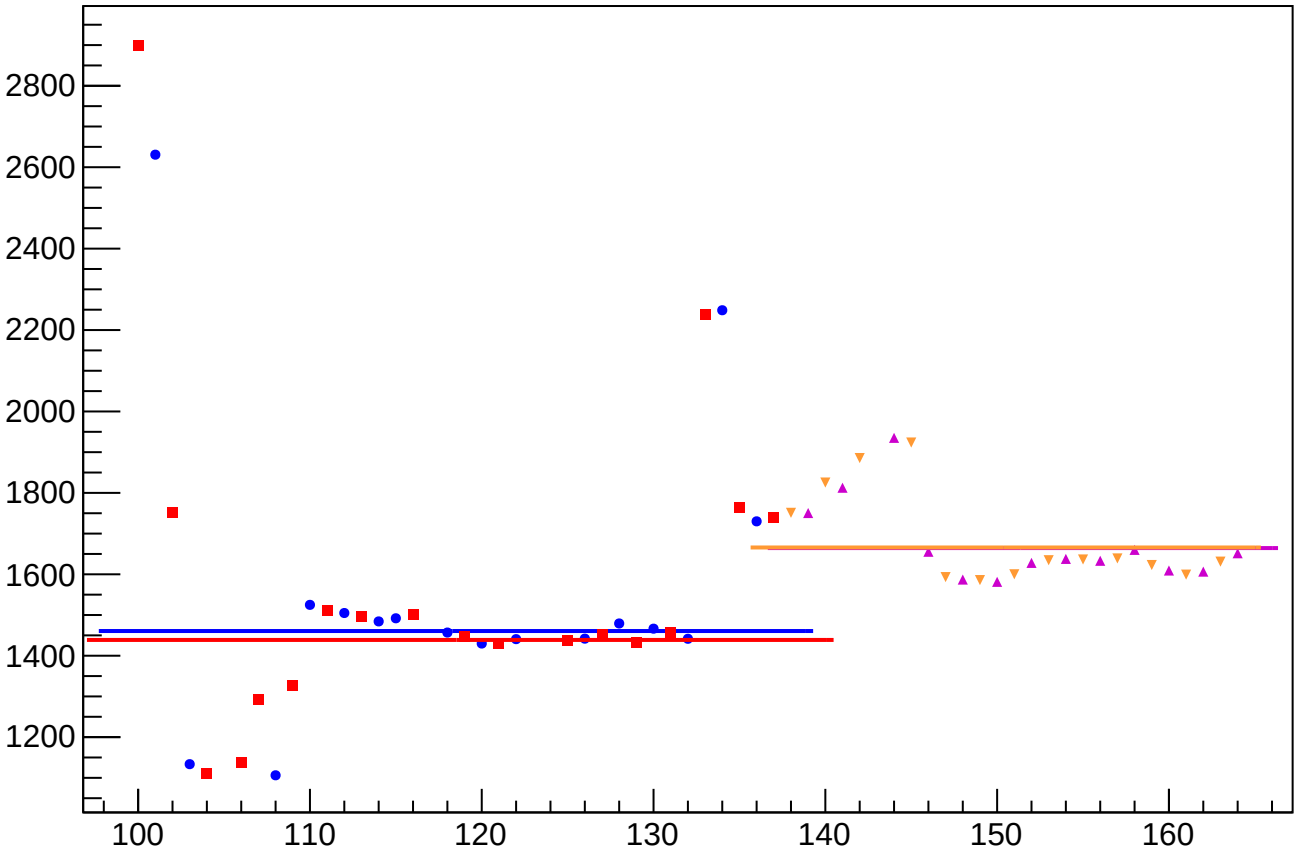
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1996.021+/-517.572 χ²/NDF:25.1/12
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1498.342+/-503.322 χ²/NDF:2.6/12
Left: 200.071+/-360.835 χ²/NDF: 51.1/25
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1198.228+/-372.786 χ²/NDF:8.0/28
Out: 970.628+/-376.219 χ²/NDF:49.8/30
All: -123.740+/-264.805 χ²/NDF: 74.6/59



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1665.876+/-0.366 χ^2/NDF:74660.9/12

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1664.430+/-0.356 χ^2/NDF:66214.7/12

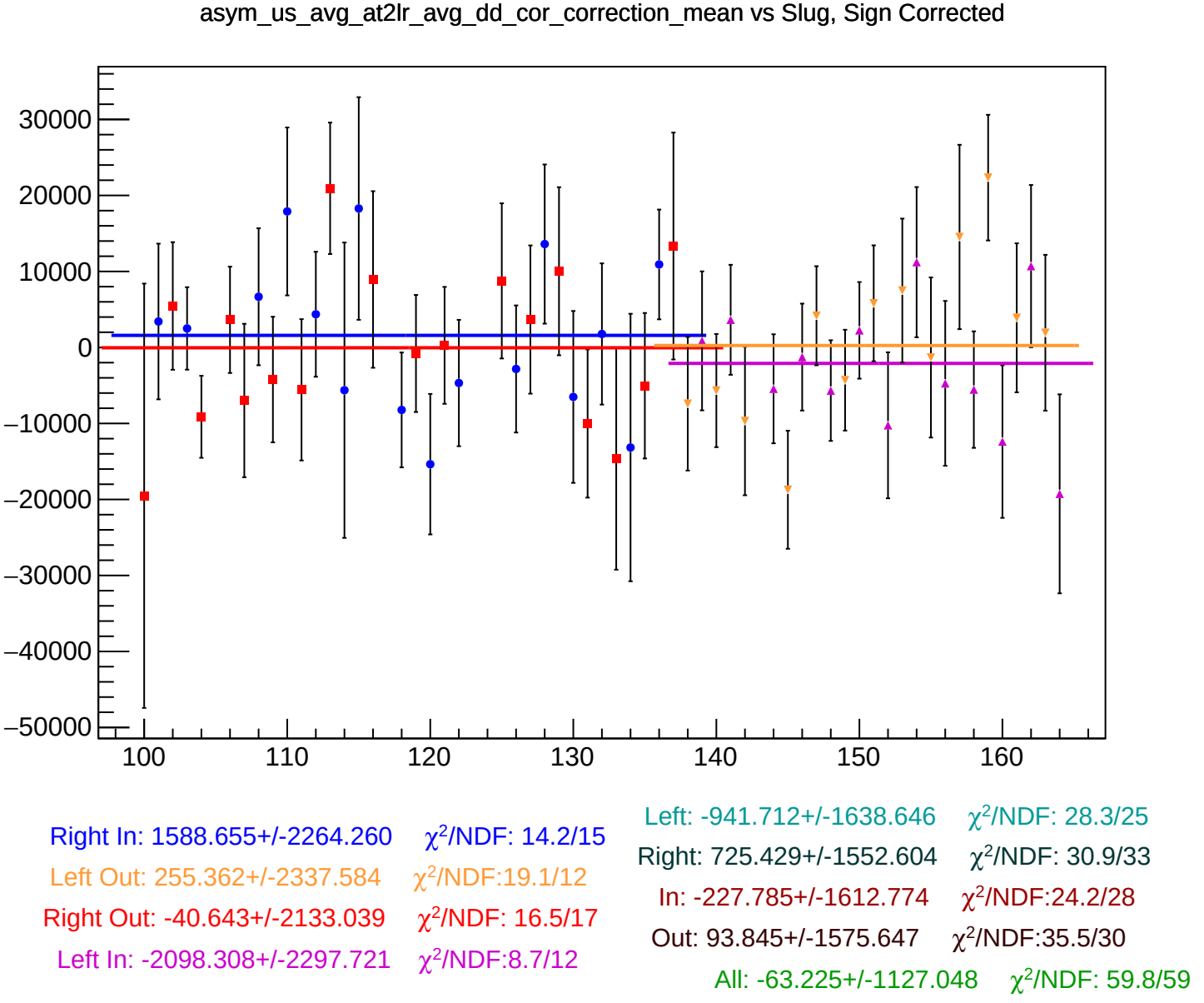
Left: 1665.133+/-0.255 χ^2/NDF: 140883.6/25

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

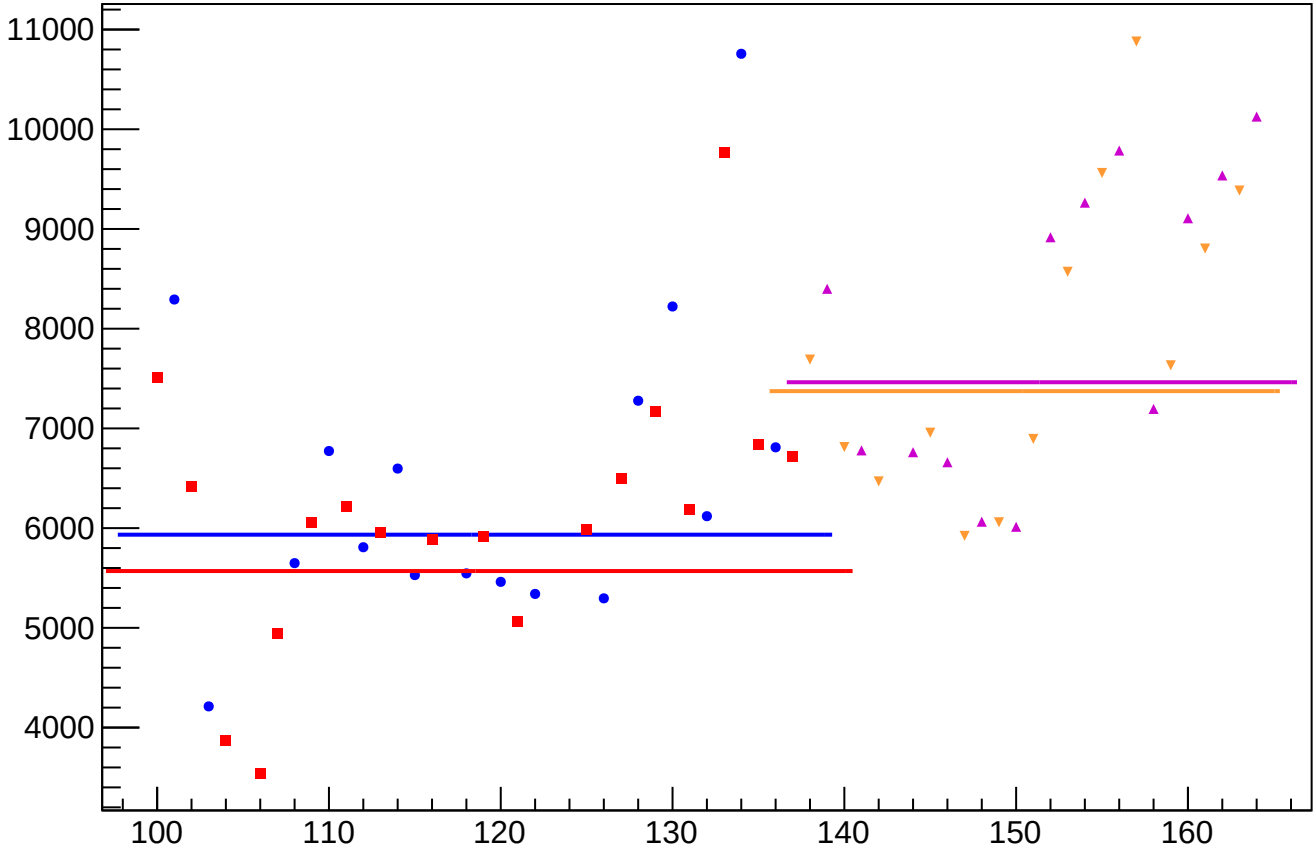
In: 1572.438+/-0.264 χ^2/NDF:789944.3/28

Out: 1558.504+/-0.266 χ^2/NDF:630097.5/30

All: 1565.527+/-0.187 χ^2/NDF: 1421427.5/59


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
160
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: 255.362+/-2337.584 χ²/NDF:19.1/12
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -2098.308+/-2297.721 χ²/NDF:8.7/12
Left: -941.712+/-1638.646 χ²/NDF: 28.3/25
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: -227.785+/-1612.774 χ²/NDF:24.2/28
Out: 93.845+/-1575.647 χ²/NDF:35.5/30
All: -63.225+/-1127.048 χ²/NDF: 59.8/59

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: 7373.688+/-1.653 χ^2/NDF:629539.8/12

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7463.012+/-1.625 χ^2/NDF:695714.9/12

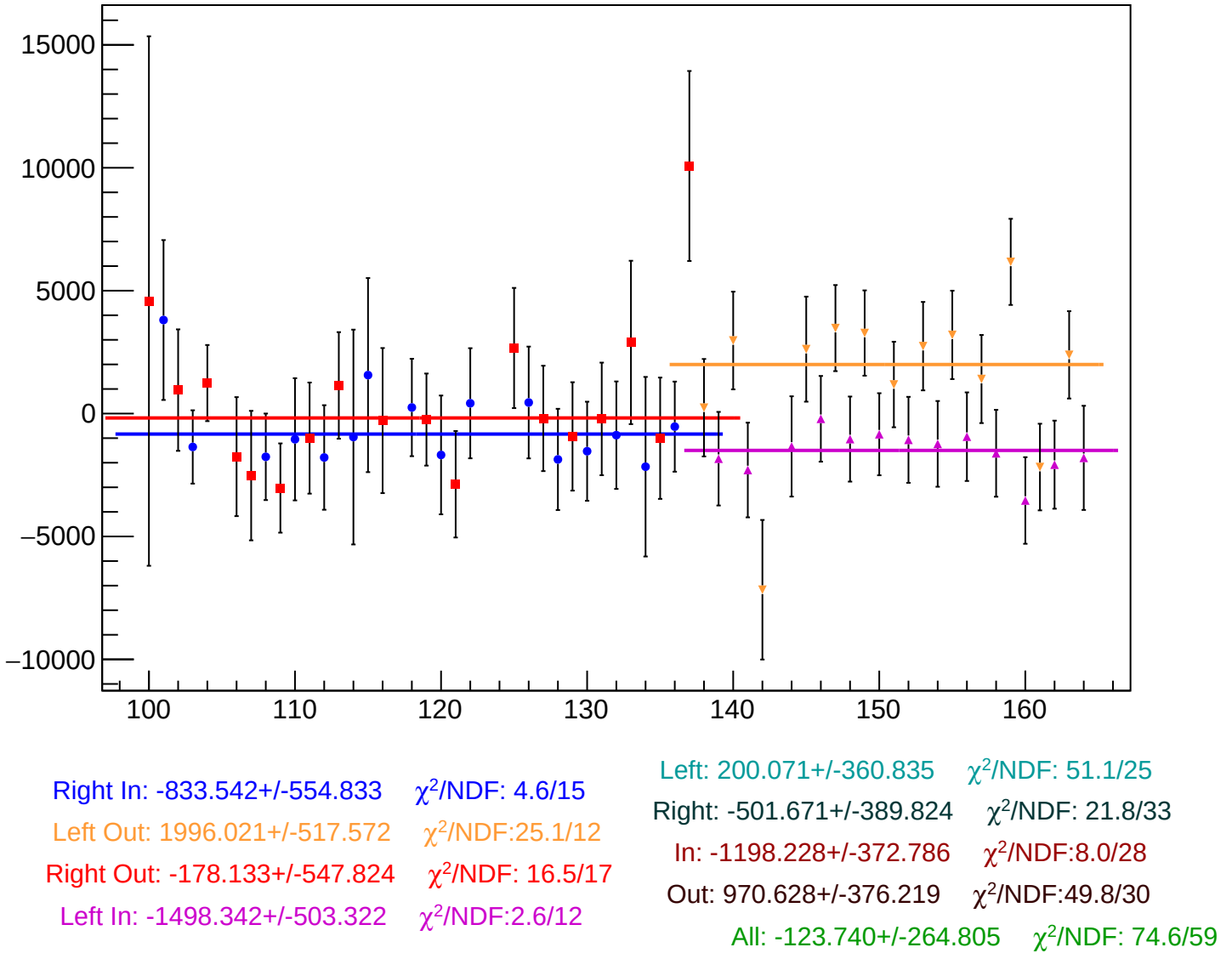
Left: 7419.118+/-1.159 χ^2/NDF: 1326740.0/25

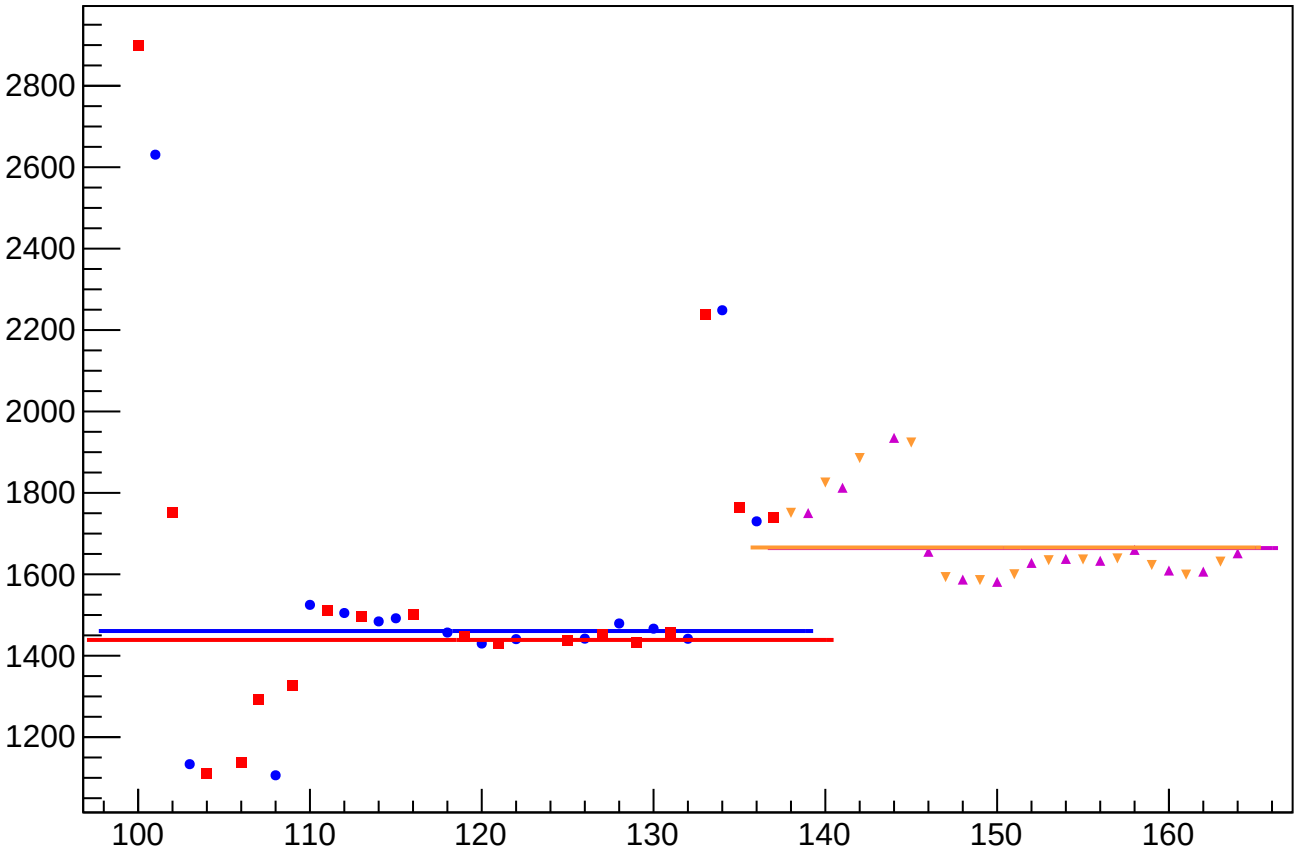
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6687.398+/-1.140 χ^2/NDF:1797990.6/28

Out: 6389.277+/-1.114 χ^2/NDF:2003610.7/30

All: 6534.866+/-0.797 χ^2/NDF: 3836566.4/59


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1996.021+/-517.572 χ²/NDF:25.1/12
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1498.342+/-503.322 χ²/NDF:2.6/12
Left: 200.071+/-360.835 χ²/NDF: 51.1/25
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1198.228+/-372.786 χ²/NDF:8.0/28
Out: 970.628+/-376.219 χ²/NDF:49.8/30
All: -123.740+/-264.805 χ²/NDF: 74.6/59



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1665.876+/-0.366 χ^2/NDF:74660.9/12

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1664.430+/-0.356 χ^2/NDF:66214.7/12

Left: 1665.133+/-0.255 χ^2/NDF: 140883.6/25

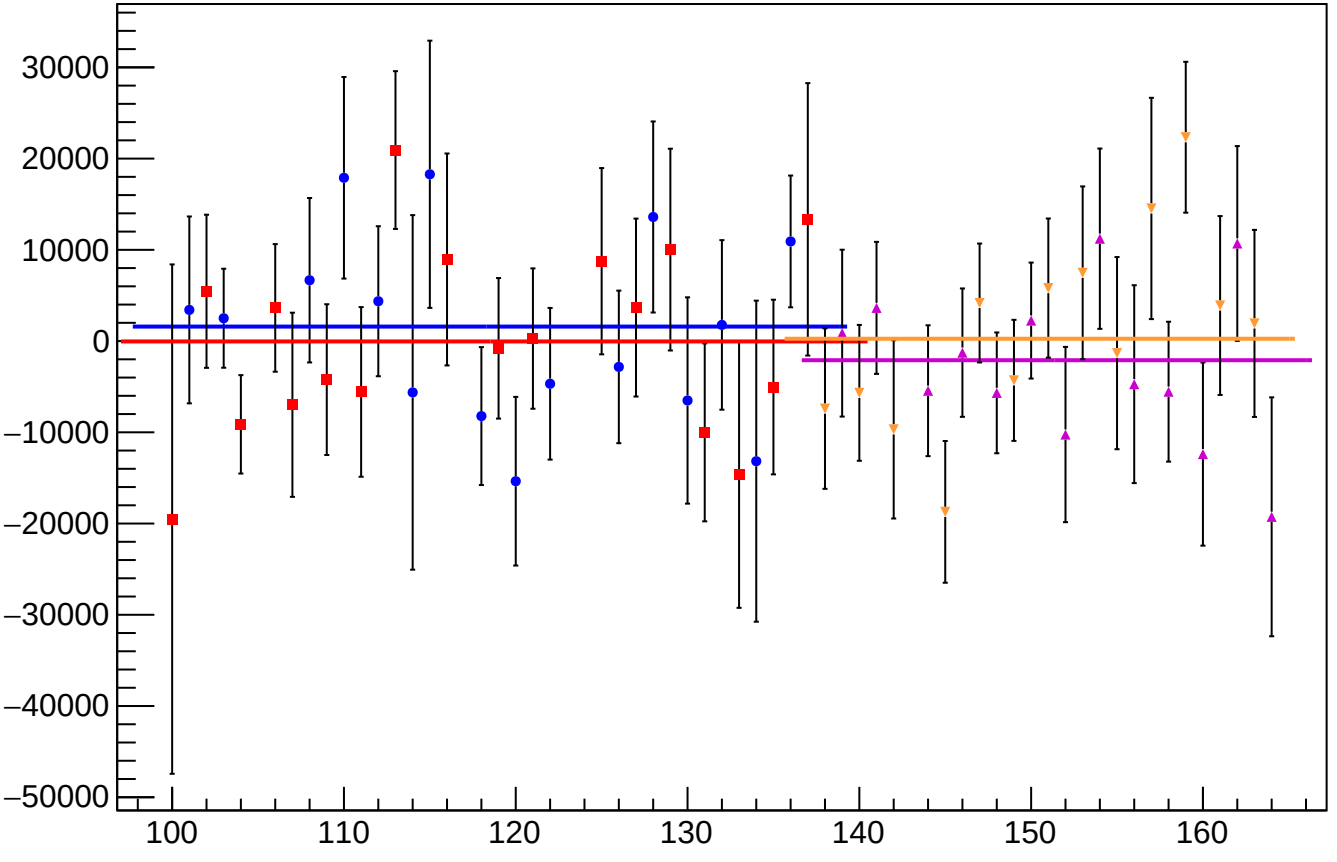
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1572.438+/-0.264 χ^2/NDF:789944.3/28

Out: 1558.504+/-0.266 χ^2/NDF:630097.5/30

All: 1565.527+/-0.187 χ^2/NDF: 1421427.5/59

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 255.362+/-2337.584 χ^2/NDF:19.1/12

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -2098.308+/-2297.721 χ^2/NDF:8.7/12

Left: -941.712+/-1638.646 χ^2/NDF: 28.3/25

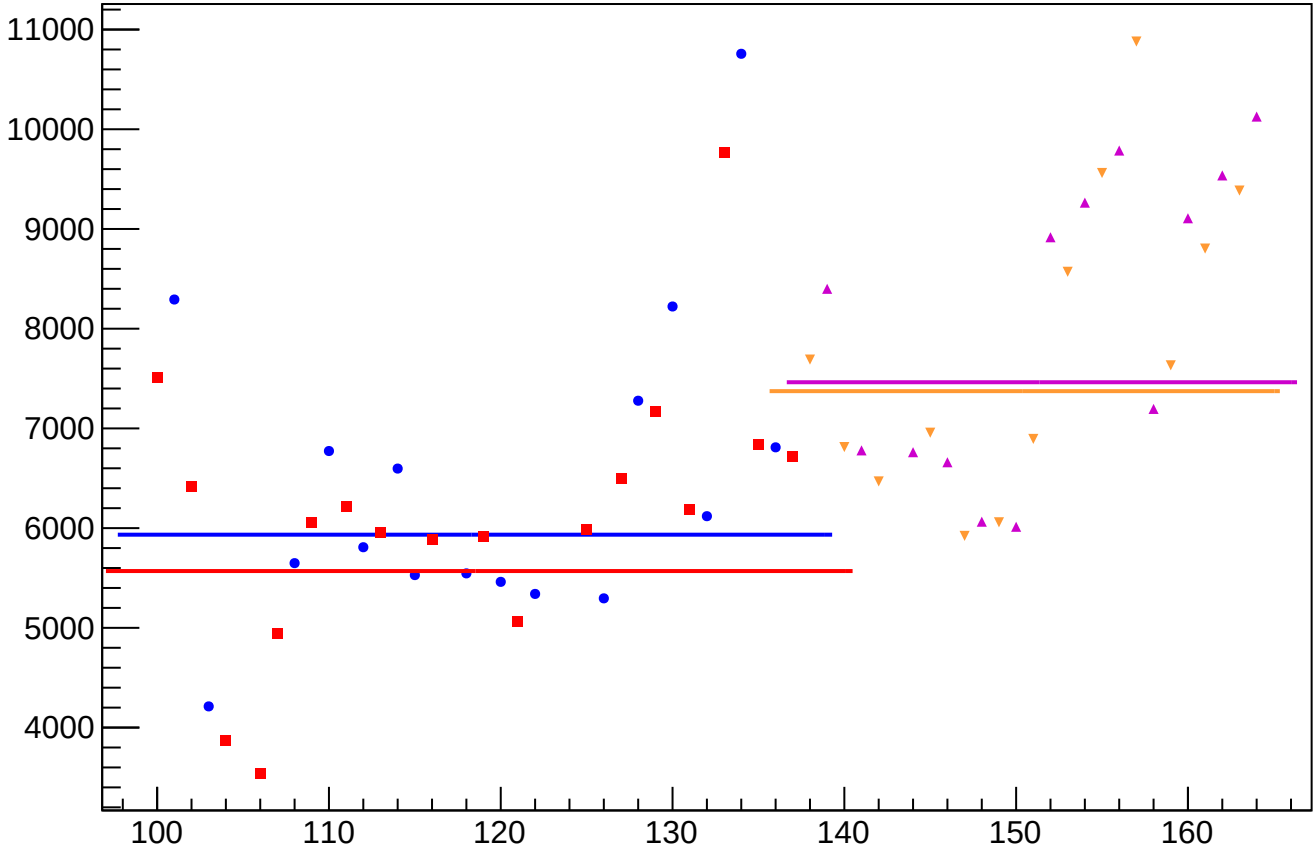
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: -227.785+/-1612.774 χ^2/NDF:24.2/28

Out: 93.845+/-1575.647 χ^2/NDF:35.5/30

All: -63.225+/-1127.048 χ^2/NDF: 59.8/59

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: 7373.688+/-1.653 χ^2/NDF:629539.8/12

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7463.012+/-1.625 χ^2/NDF:695714.9/12

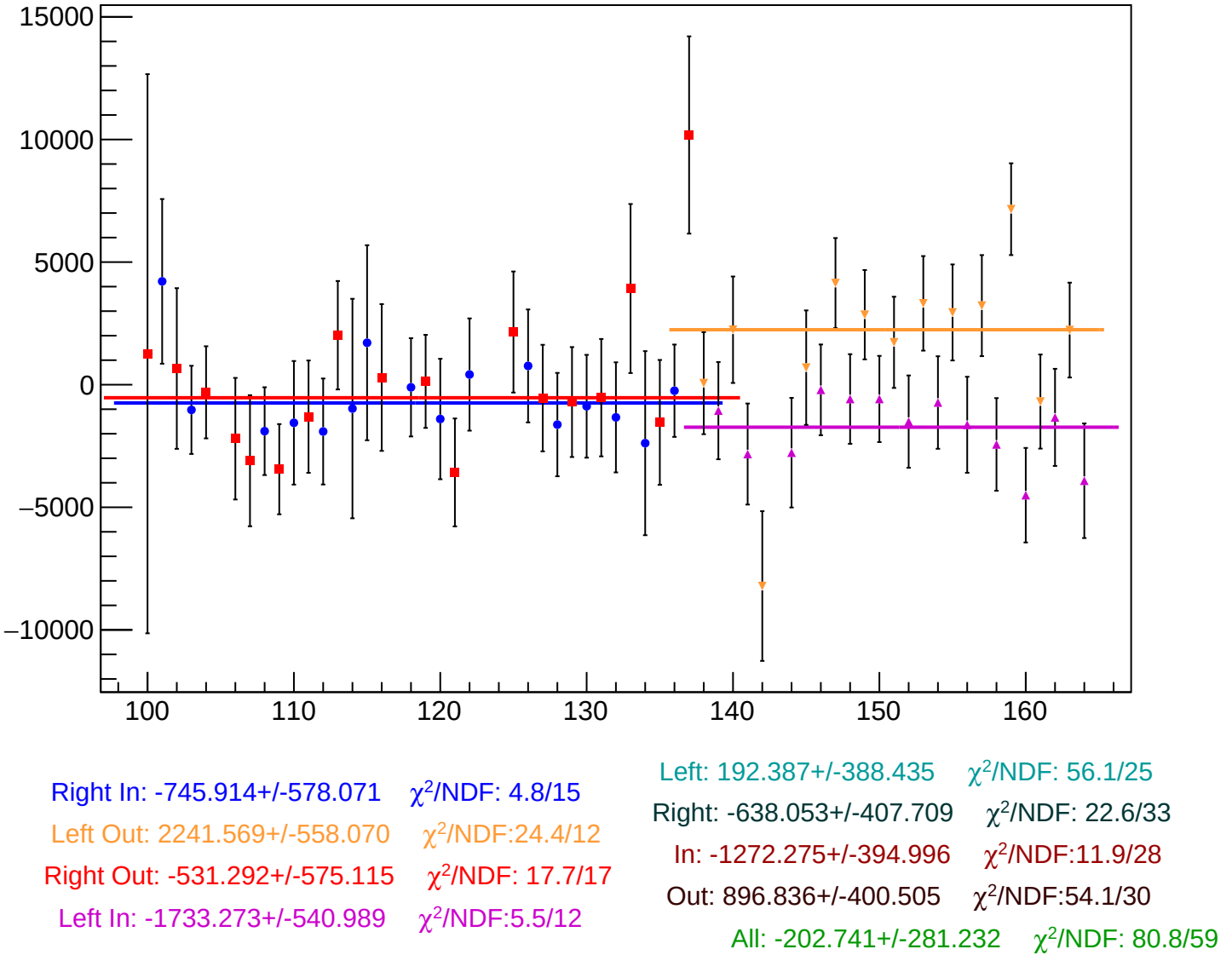
Left: 7419.118+/-1.159 χ^2/NDF: 1326740.0/25

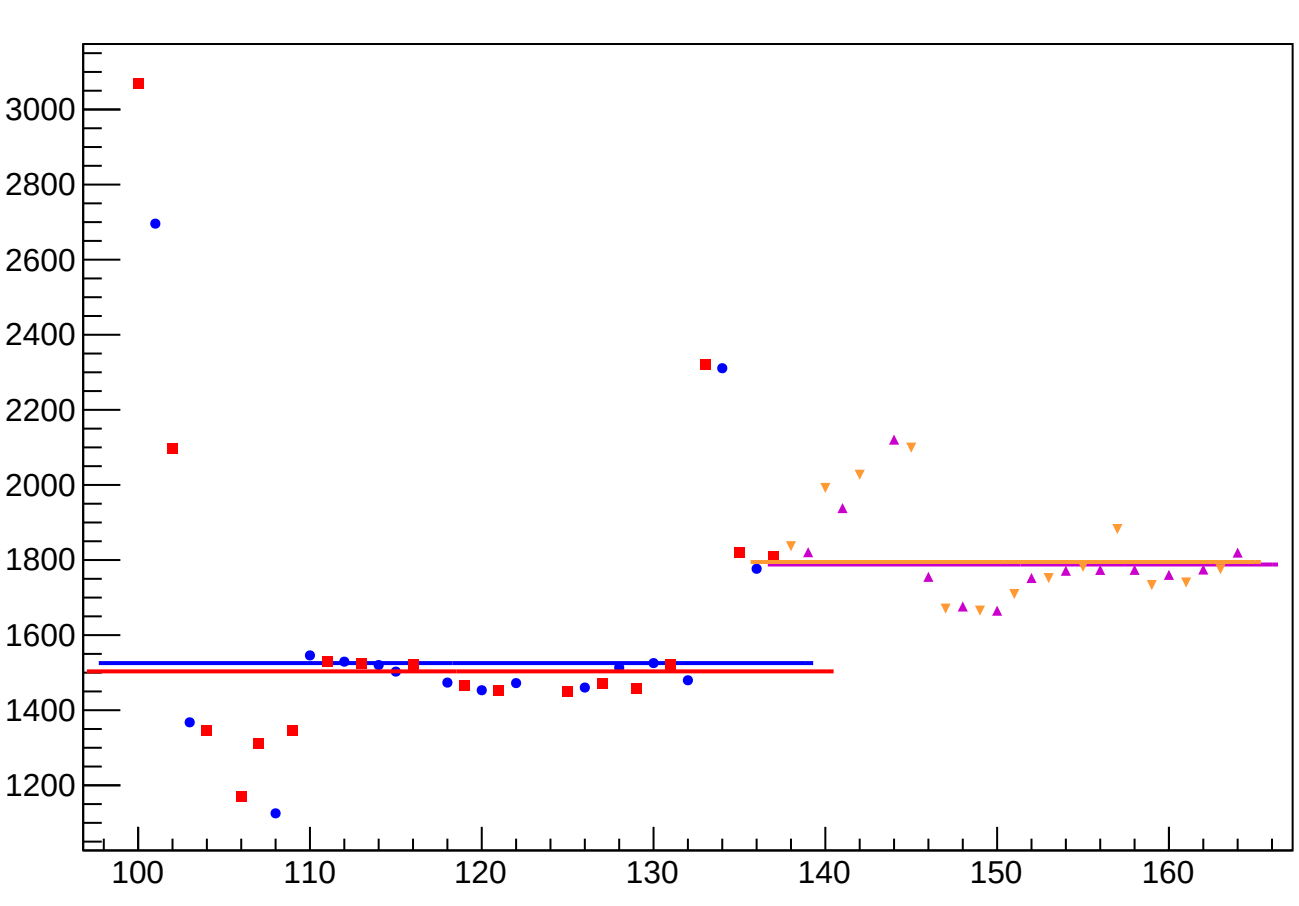
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

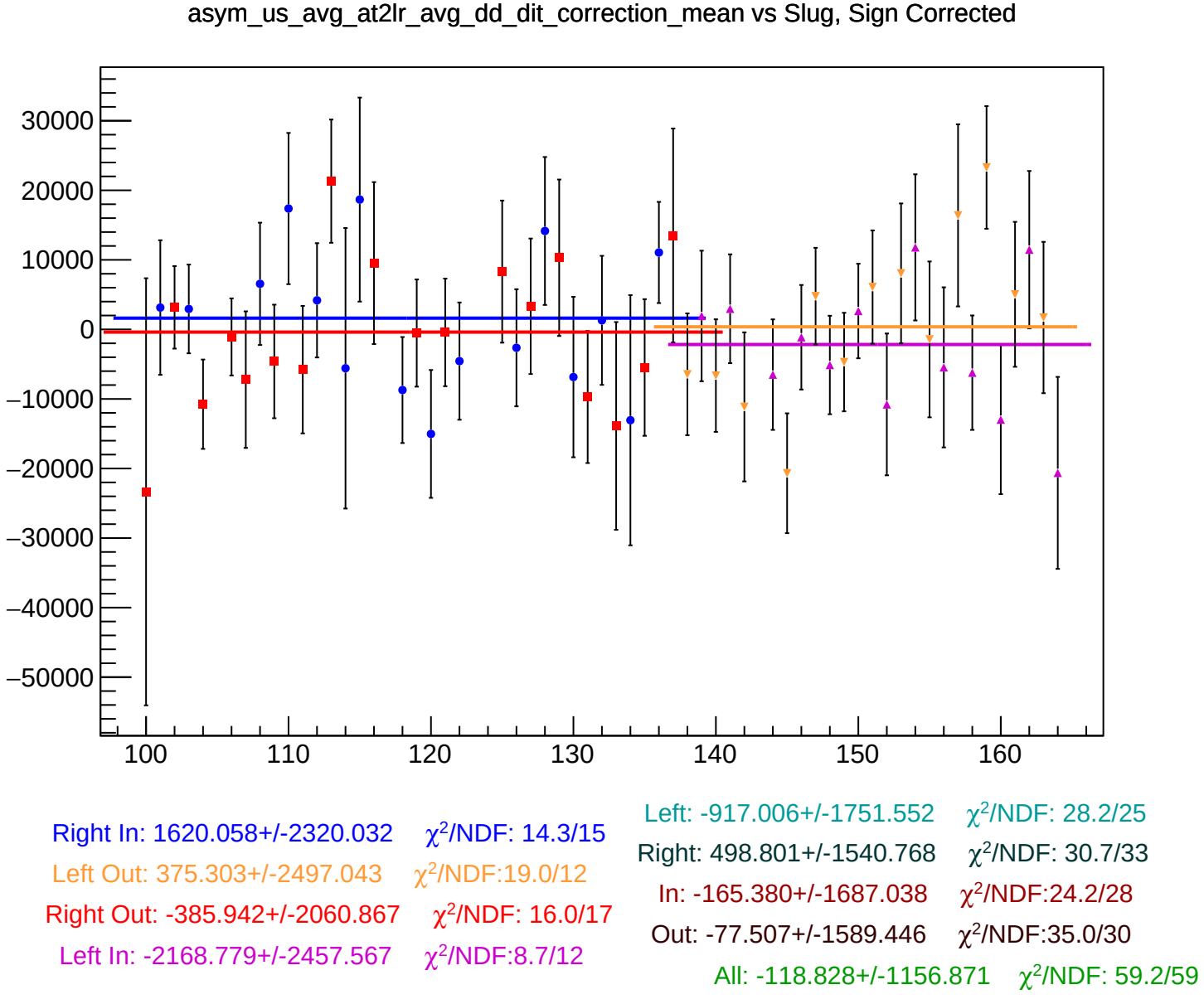
In: 6687.398+/-1.140 χ^2/NDF:1797990.6/28

Out: 6389.277+/-1.114 χ^2/NDF:2003610.7/30

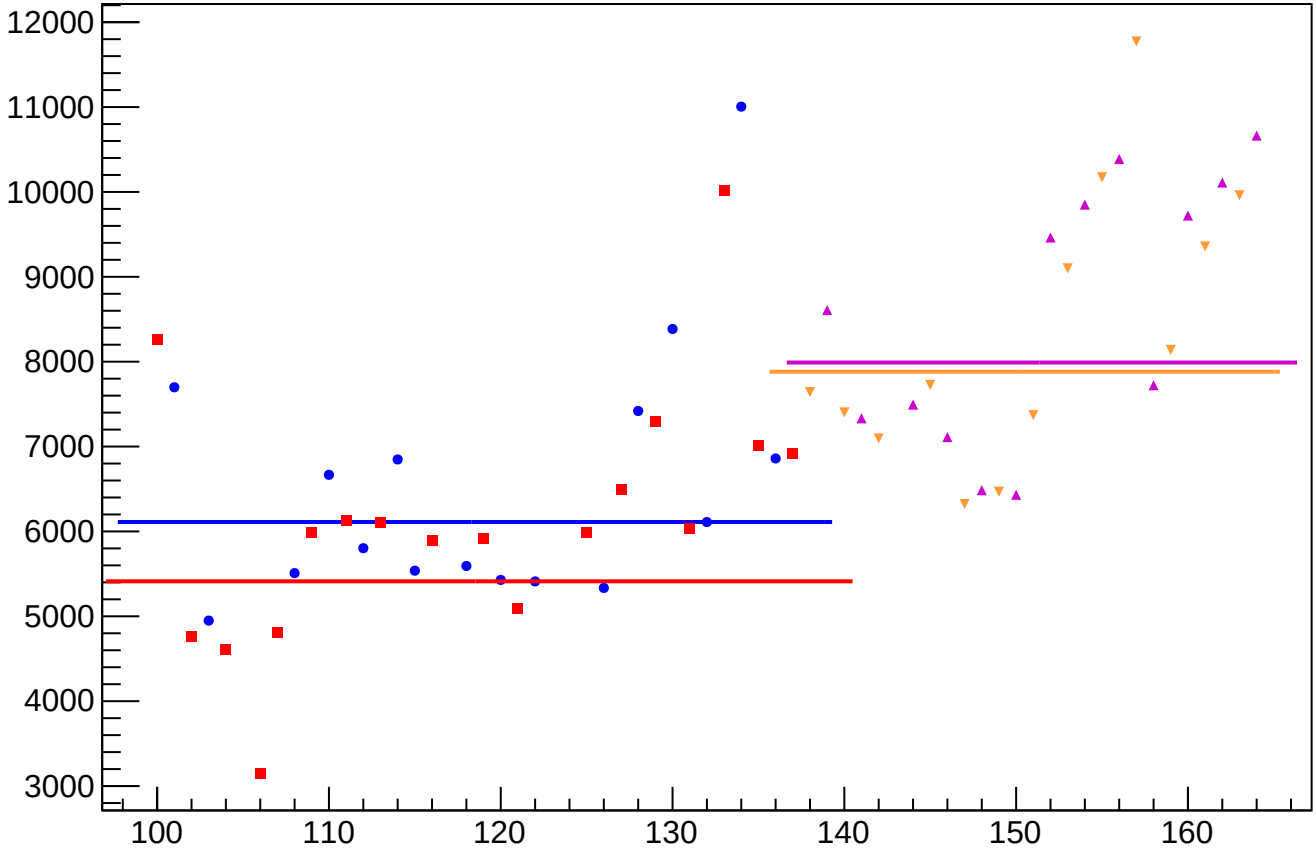
All: 6534.866+/-0.797 χ^2/NDF: 3836566.4/59


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 2241.569+/-558.070 χ²/NDF:24.4/12
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1733.273+/-540.989 χ²/NDF:5.5/12
Left: 192.387+/-388.435 χ²/NDF: 56.1/25
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1272.275+/-394.996 χ²/NDF:11.9/28
Out: 896.836+/-400.505 χ²/NDF:54.1/30
All: -202.741+/-281.232 χ²/NDF: 80.8/59


dit_asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
Right In: 1525.536+/-0.409 χ²/NDF: 488328.2/15
Left Out: 1794.765+/-0.395 χ²/NDF:95105.3/12
Right Out: 1503.434+/-0.407 χ²/NDF: 338507.3/17
Left In: 1788.078+/-0.383 χ²/NDF:75336.4/12
Left: 1791.318+/-0.275 χ²/NDF: 170589.7/25
Right: 1514.425+/-0.288 χ²/NDF: 828305.2/33
In: 1665.497+/-0.279 χ²/NDF:783590.3/28
Out: 1653.438+/-0.283 χ²/NDF:698014.1/30
All: 1659.551+/-0.199 χ²/NDF: 1482523.7/59


asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: 1620.058+/-2320.032 χ²/NDF: 14.3/15
Left Out: 375.303+/-2497.043 χ²/NDF:19.0/12
Right Out: -385.942+/-2060.867 χ²/NDF: 16.0/17
Left In: -2168.779+/-2457.567 χ²/NDF:8.7/12
Left: -917.006+/-1751.552 χ²/NDF: 28.2/25
Right: 498.801+/-1540.768 χ²/NDF: 30.7/33
In: -165.380+/-1687.038 χ²/NDF:24.2/28
Out: -77.507+/-1589.446 χ²/NDF:35.0/30
All: -118.828+/-1156.871 χ²/NDF: 59.2/59

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: 7881.564+/-1.766 χ^2/NDF:612216.6/12

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7990.105+/-1.738 χ^2/NDF:644215.2/12

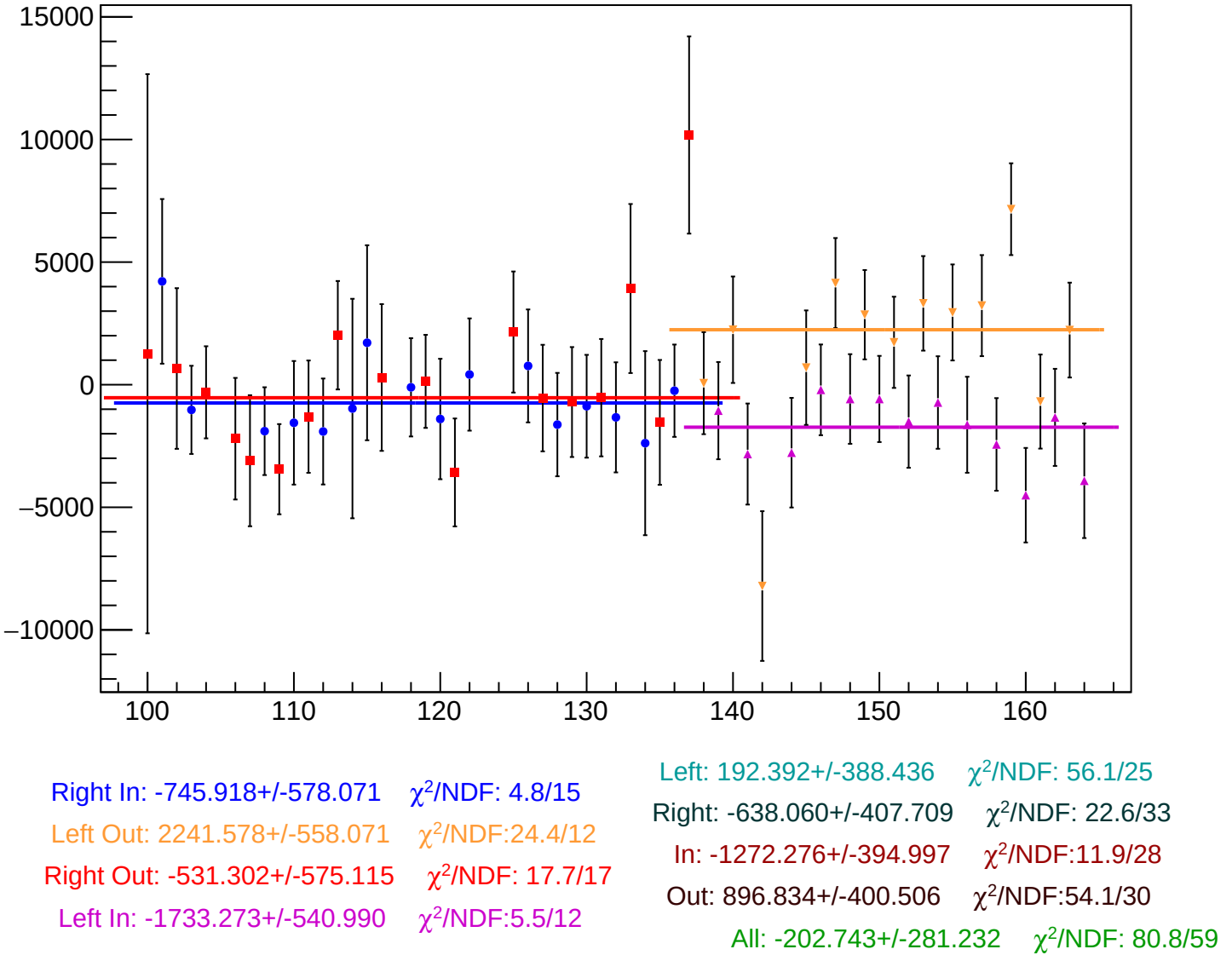
Left: 7936.700+/-1.239 χ^2/NDF: 1258351.3/25

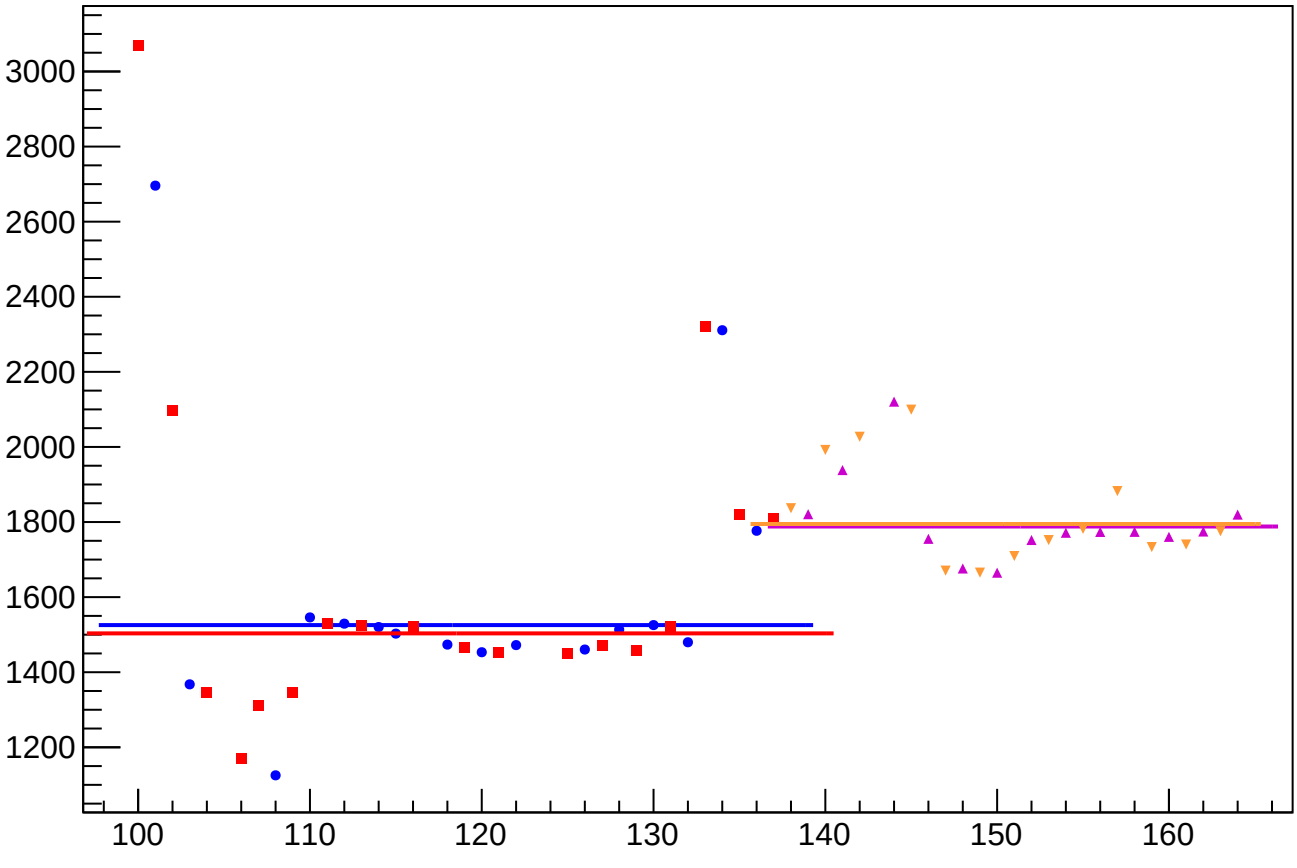
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

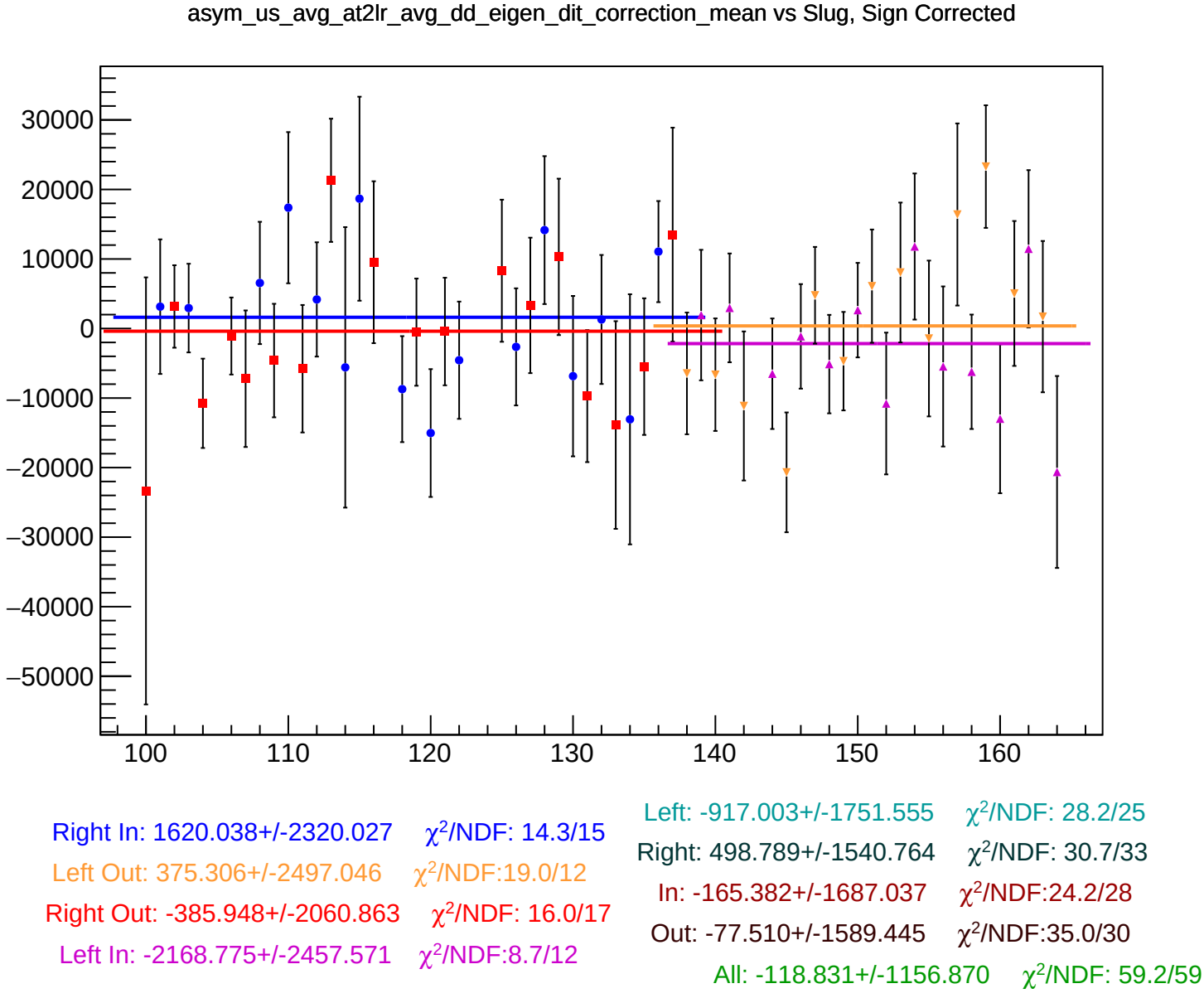
In: 6996.522+/-1.193 χ^2/NDF:1734129.4/28

Out: 6412.763+/-1.124 χ^2/NDF:2597103.9/30

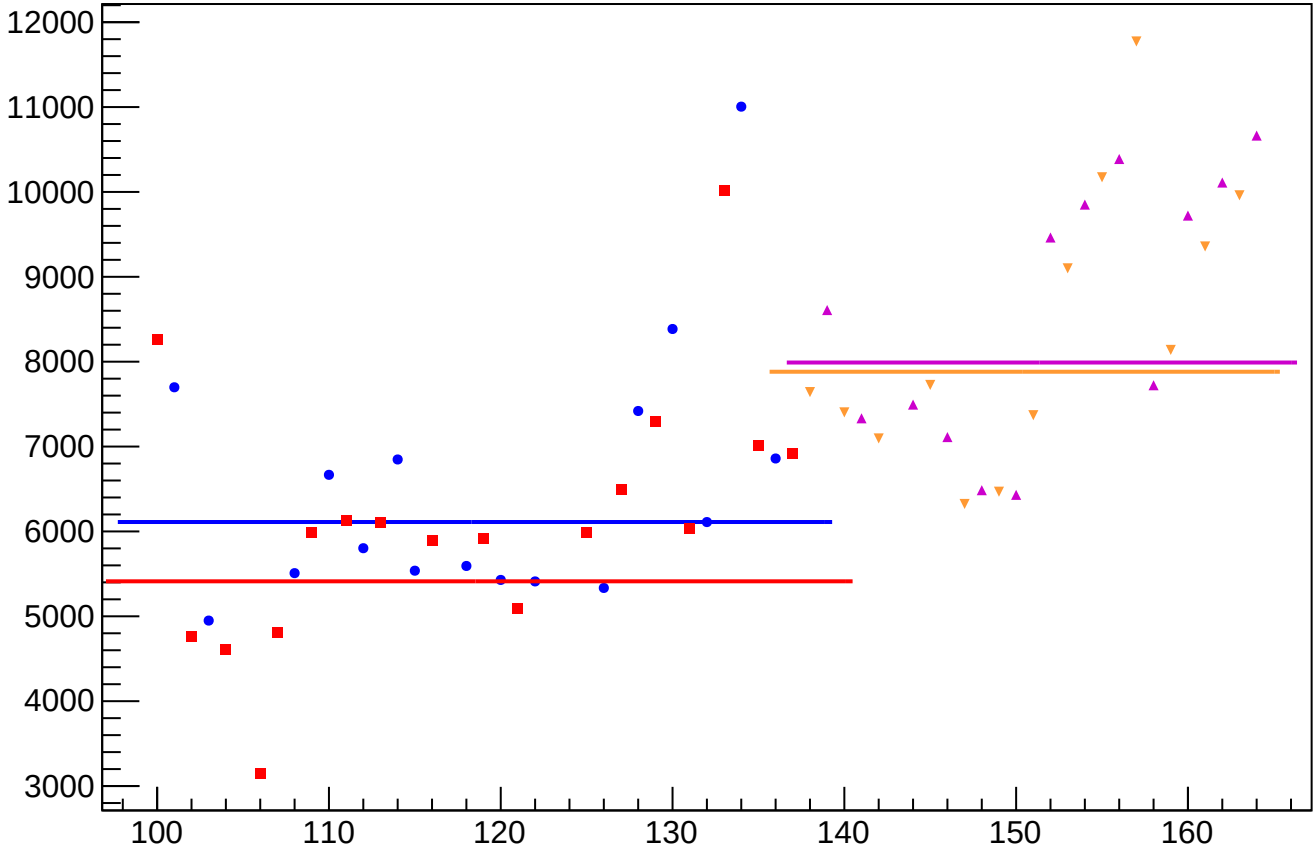
All: 6687.270+/-0.818 χ^2/NDF: 4458093.8/59


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
160
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 2241.578+/-558.071 χ²/NDF:24.4/12
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1733.273+/-540.990 χ²/NDF:5.5/12
Left: 192.392+/-388.436 χ²/NDF: 56.1/25
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1272.276+/-394.997 χ²/NDF:11.9/28
Out: 896.834+/-400.506 χ²/NDF:54.1/30
All: -202.743+/-281.232 χ²/NDF: 80.8/59


eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
Right In: 1525.536+/-0.409 χ²/NDF: 488327.8/15
Left Out: 1794.769+/-0.395 χ²/NDF:95106.0/12
Right Out: 1503.435+/-0.407 χ²/NDF: 338507.7/17
Left In: 1788.082+/-0.383 χ²/NDF:75336.6/12
Left: 1791.321+/-0.275 χ²/NDF: 170590.7/25
Right: 1514.425+/-0.288 χ²/NDF: 828305.2/33
In: 1665.499+/-0.279 χ²/NDF:783595.3/28
Out: 1653.440+/-0.283 χ²/NDF:698020.1/30
All: 1659.552+/-0.199 χ²/NDF: 1482534.6/59


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
160
Right In: 1620.038+/-2320.027 χ²/NDF: 14.3/15
Left Out: 375.306+/-2497.046 χ²/NDF:19.0/12
Right Out: -385.948+/-2060.863 χ²/NDF: 16.0/17
Left In: -2168.775+/-2457.571 χ²/NDF:8.7/12
Left: -917.003+/-1751.555 χ²/NDF: 28.2/25
Right: 498.789+/-1540.764 χ²/NDF: 30.7/33
In: -165.382+/-1687.037 χ²/NDF:24.2/28
Out: -77.510+/-1589.445 χ²/NDF:35.0/30
All: -118.831+/-1156.870 χ²/NDF: 59.2/59

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: 7881.574+/-1.766 χ^2/NDF:612218.0/12

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7990.115+/-1.738 χ^2/NDF:644217.0/12

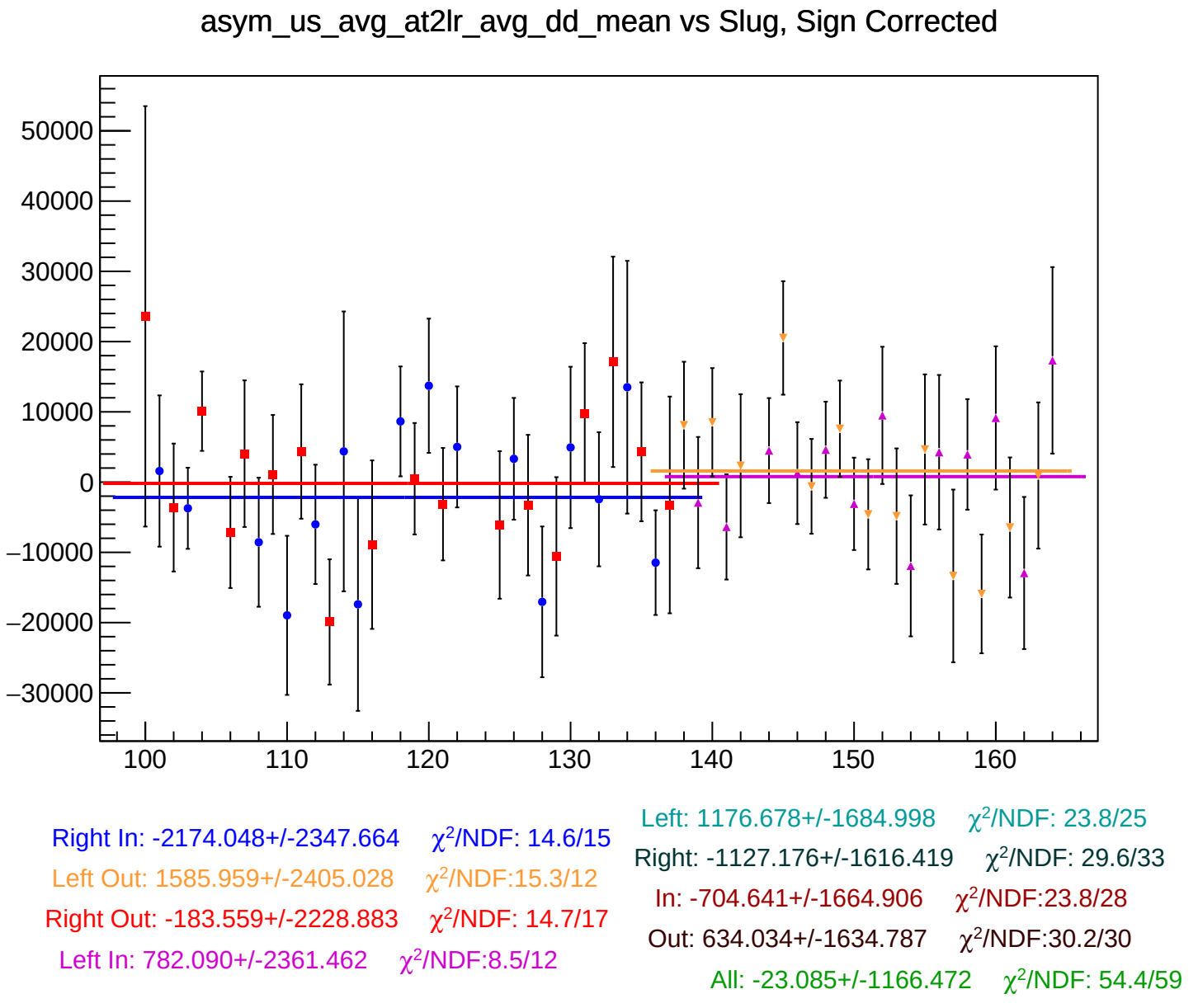
Left: 7936.710+/-1.239 χ^2/NDF: 1258354.5/25

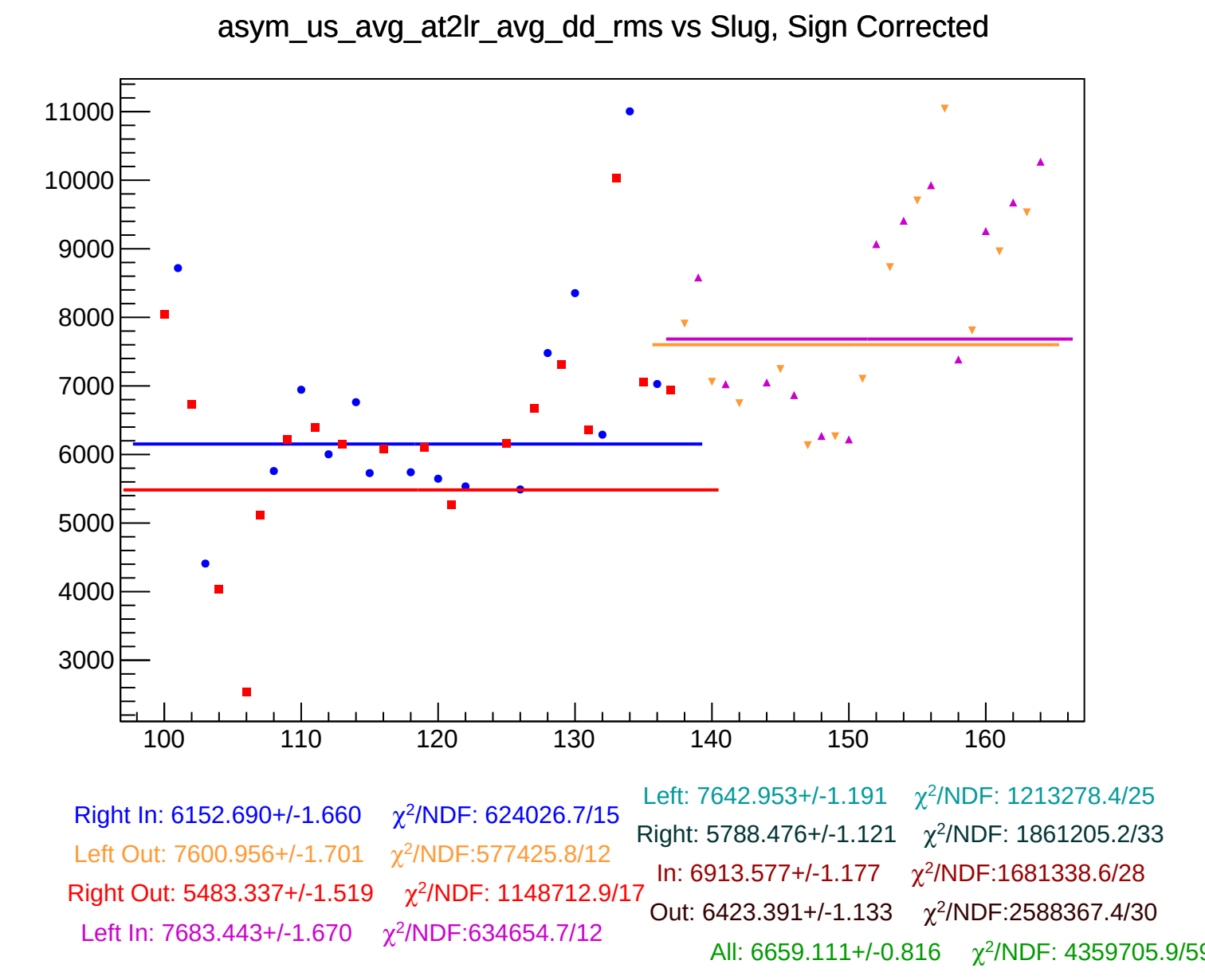
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

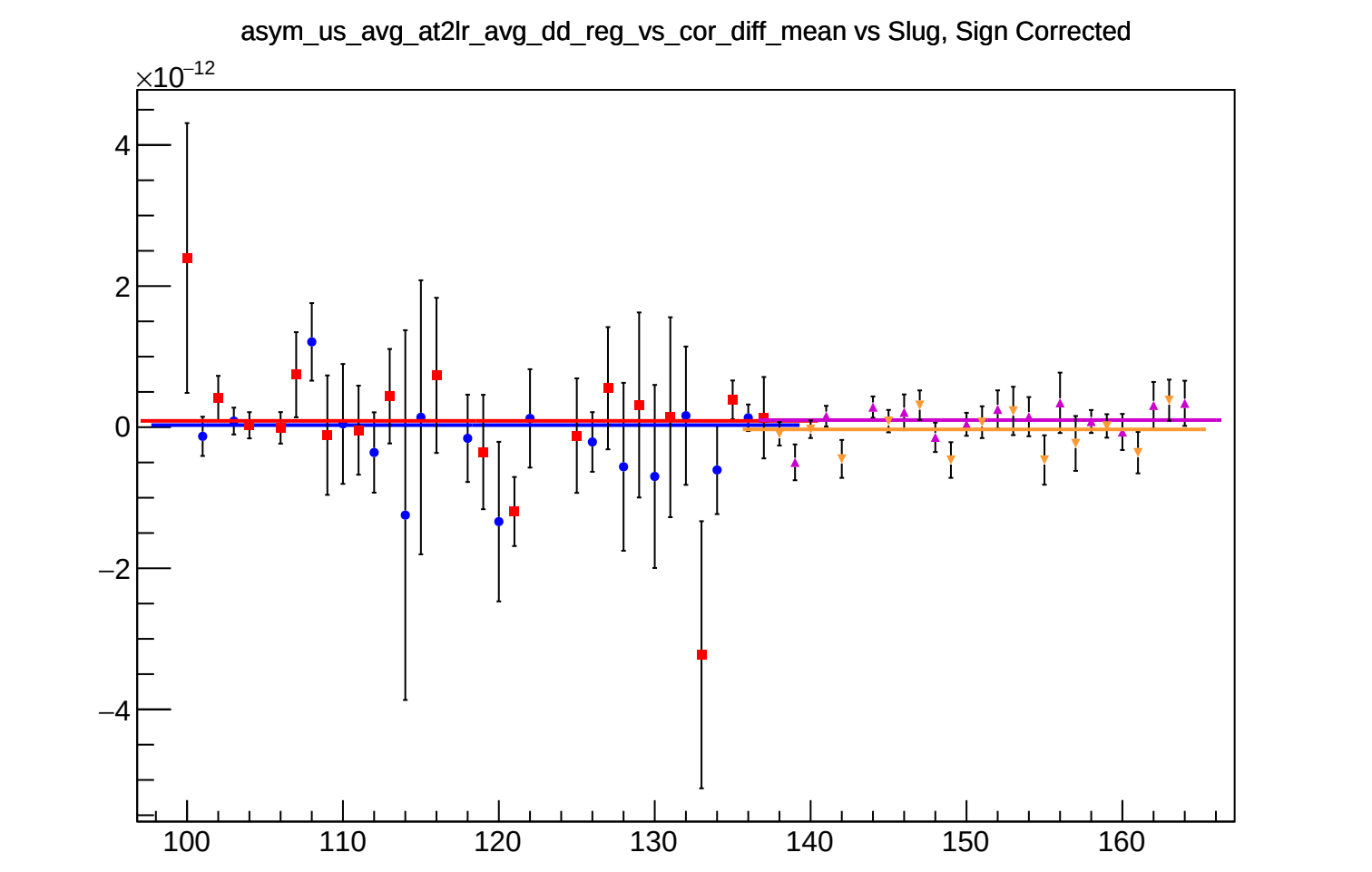
In: 6996.516+/-1.193 χ^2/NDF:1734149.3/28

Out: 6412.756+/-1.124 χ^2/NDF:2597125.7/30

All: 6687.264+/-0.818 χ^2/NDF: 4458136.1/59


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
160
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 1585.959+/-2405.028 χ²/NDF:15.3/12
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: 782.090+/-2361.462 χ²/NDF:8.5/12
Left: 1176.678+/-1684.998 χ²/NDF: 23.8/25
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -704.641+/-1664.906 χ²/NDF:23.8/28
Out: 634.034+/-1634.787 χ²/NDF:30.2/30
All: -23.085+/-1166.472 χ²/NDF: 54.4/59


asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 6152.690+/-1.660 χ²/NDF: 624026.7/15
Left Out: 7600.956+/-1.701 χ²/NDF:577425.8/12
Right Out: 5483.337+/-1.519 χ²/NDF: 1148712.9/17
Left In: 7683.443+/-1.670 χ²/NDF:634654.7/12
Left: 7642.953+/-1.191 χ²/NDF: 1213278.4/25
Right: 5788.476+/-1.121 χ²/NDF: 1861205.2/33
In: 6913.577+/-1.177 χ²/NDF:1681338.6/28
Out: 6423.391+/-1.133 χ²/NDF:2588367.4/30
All: 6659.111+/-0.816 χ²/NDF: 4359705.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:11.0/12

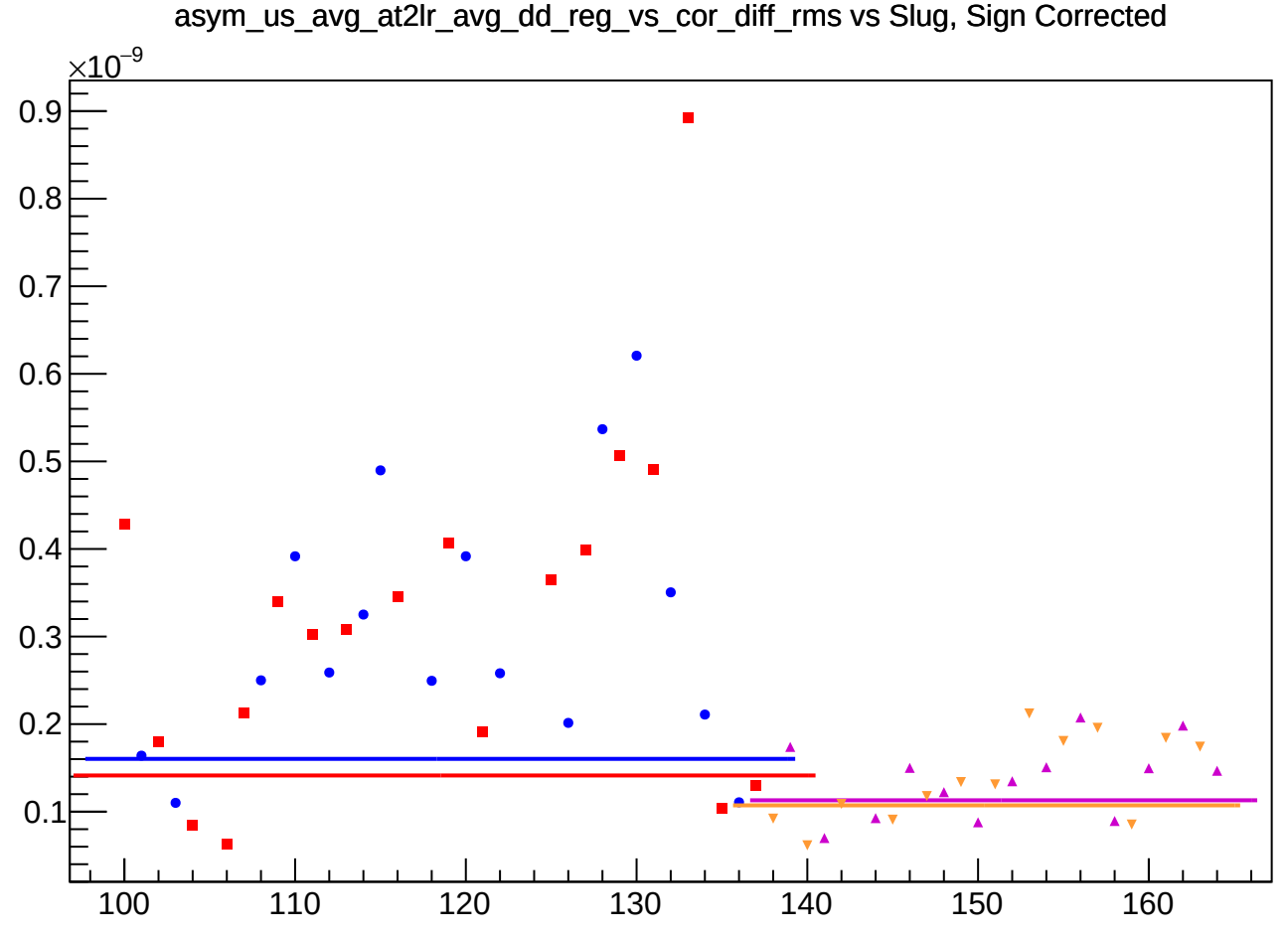
Left: 0.000+/-0.000 χ^2/NDF: 28.2/25

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:20.8/28

Out: -0.000+/-0.000 χ^2/NDF:32.2/30

All: 0.000+/-0.000 χ^2/NDF: 54.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1012992.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:801197.1/12

Left: 0.000+/-0.000 χ^2/NDF: 1823933.9/25

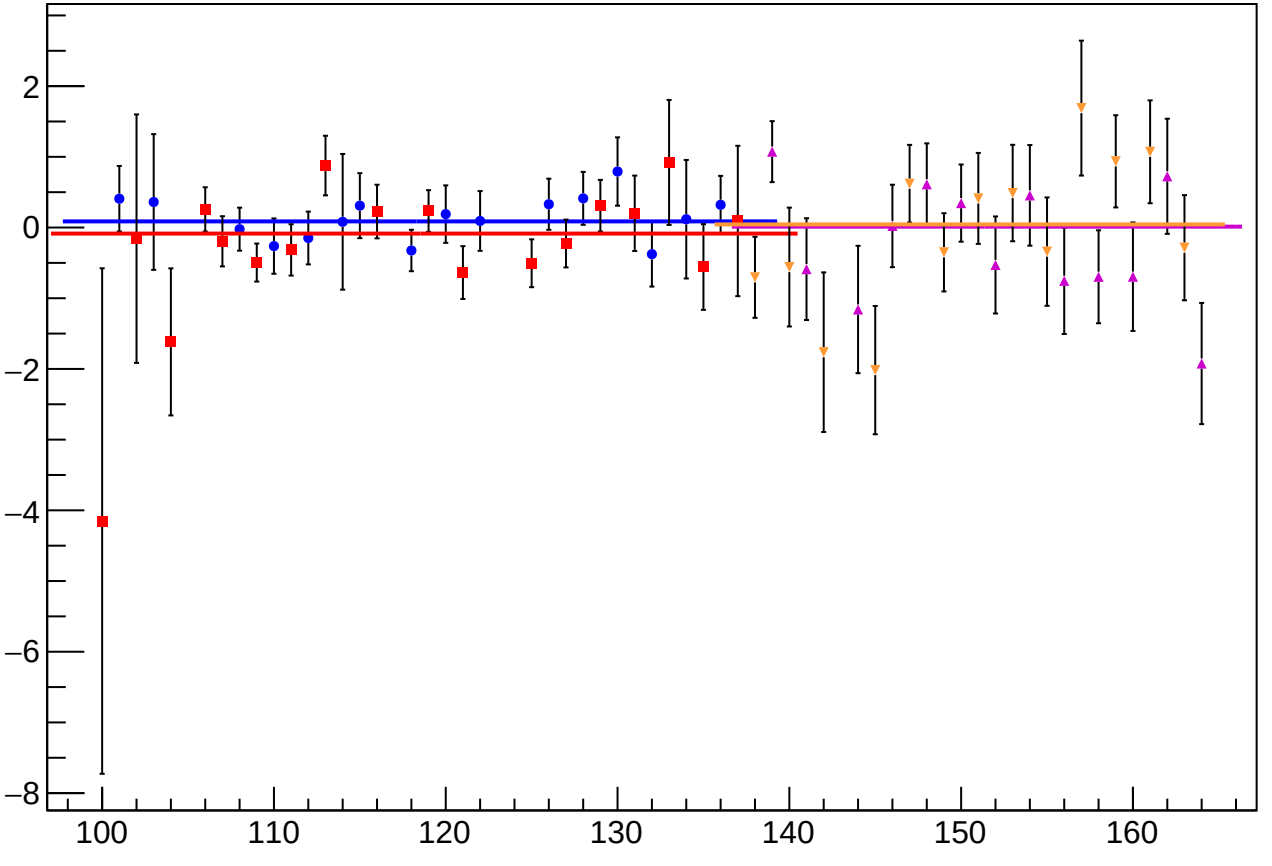
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2444651.2/28

Out: 0.000+/-0.000 χ^2/NDF:3346502.3/30

All: 0.000+/-0.000 χ^2/NDF: 5822906.1/59

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: 0.044+/-0.194 χ^2/NDF:19.6/12

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.012+/-0.181 χ^2/NDF:19.8/12

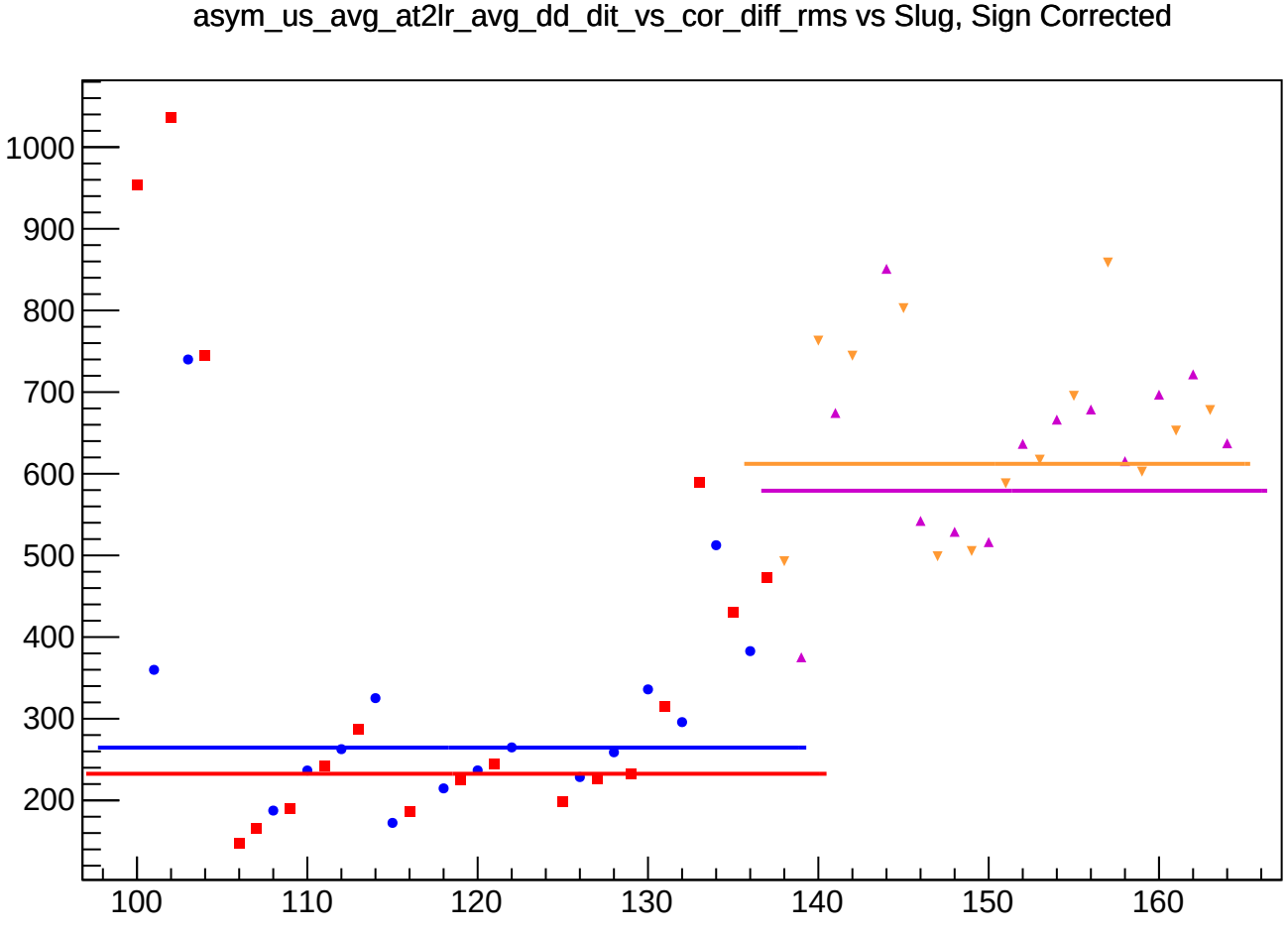
Left: 0.027+/-0.132 χ^2/NDF: 39.4/25

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.068+/-0.091 χ^2/NDF:28.8/28

Out: -0.060+/-0.087 χ^2/NDF:41.8/30

All: 0.002+/-0.063 χ^2/NDF: 71.6/59



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 612.152+/-0.137 χ^2/NDF:608943.0/12

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 579.222+/-0.128 χ^2/NDF:916594.9/12

Left: 594.501+/-0.094 χ^2/NDF: 1556296.2/25

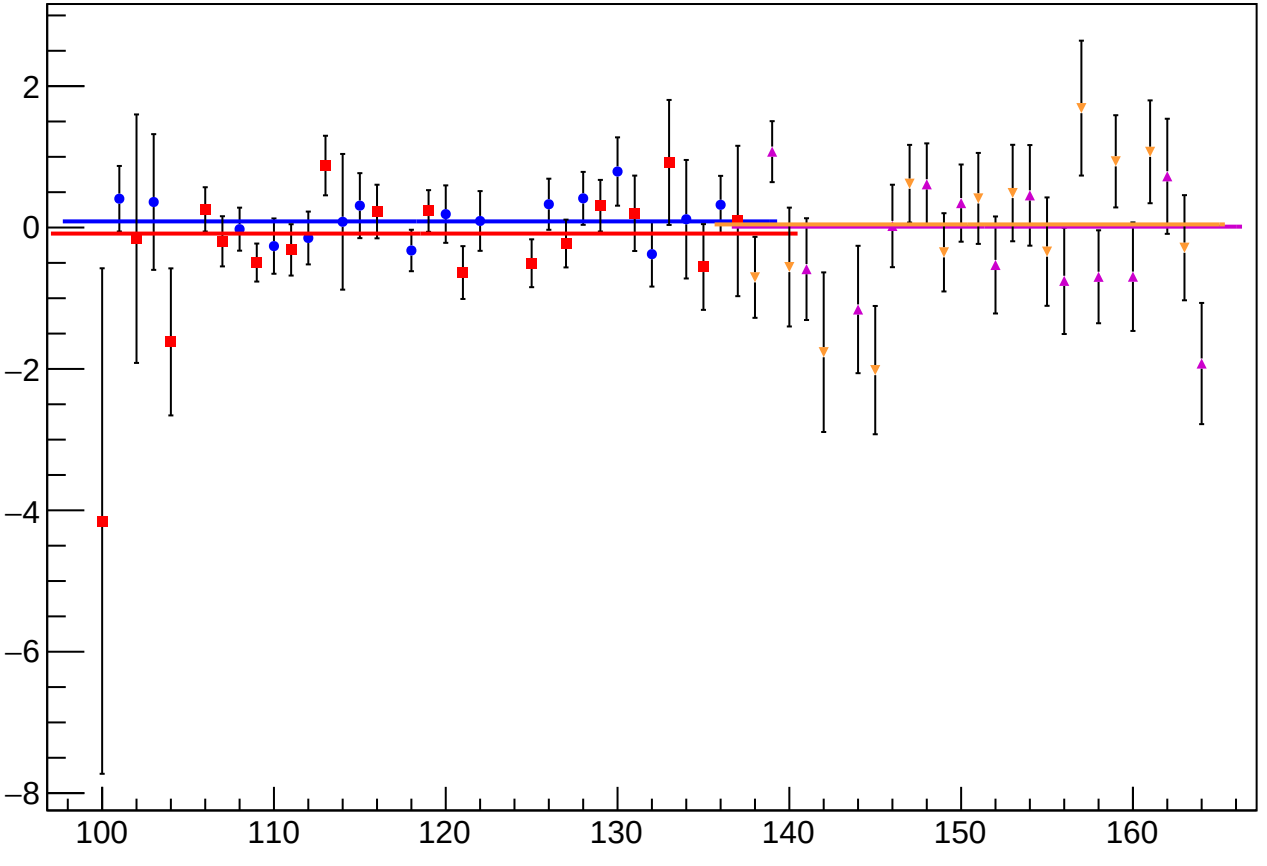
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 344.036+/-0.064 χ^2/NDF:6722844.1/28

Out: 308.672+/-0.062 χ^2/NDF:8736959.0/30

All: 325.595+/-0.044 χ^2/NDF: 15617803.8/59

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: 0.044+/-0.194 χ^2/NDF:19.6/12

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.012+/-0.181 χ^2/NDF:19.8/12

Left: 0.027+/-0.132 χ^2/NDF: 39.4/25

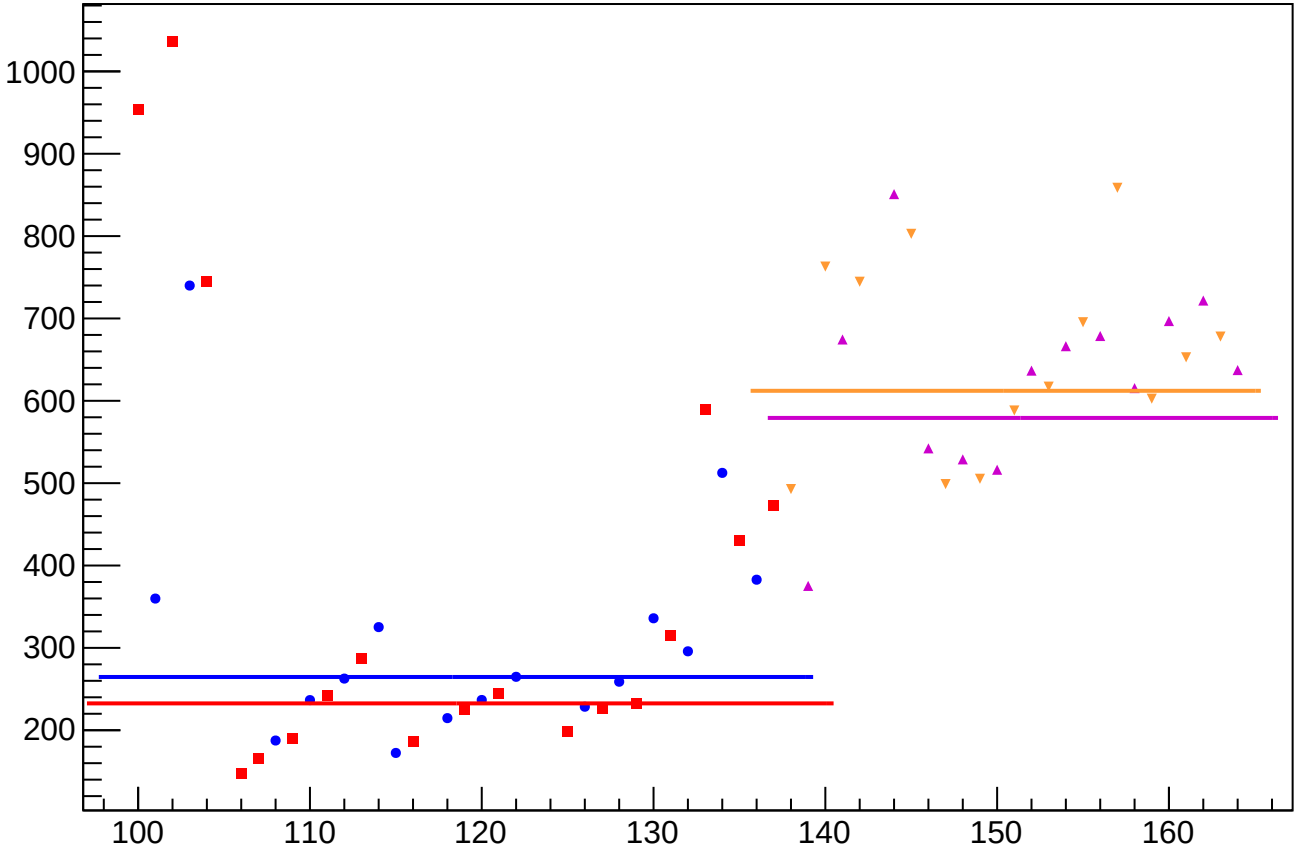
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.068+/-0.091 χ^2/NDF:28.8/28

Out: -0.060+/-0.087 χ^2/NDF:41.8/30

All: 0.002+/-0.063 χ^2/NDF: 71.6/59

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 612.152+/-0.137 χ^2/NDF:608943.0/12

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 579.222+/-0.128 χ^2/NDF:916594.9/12

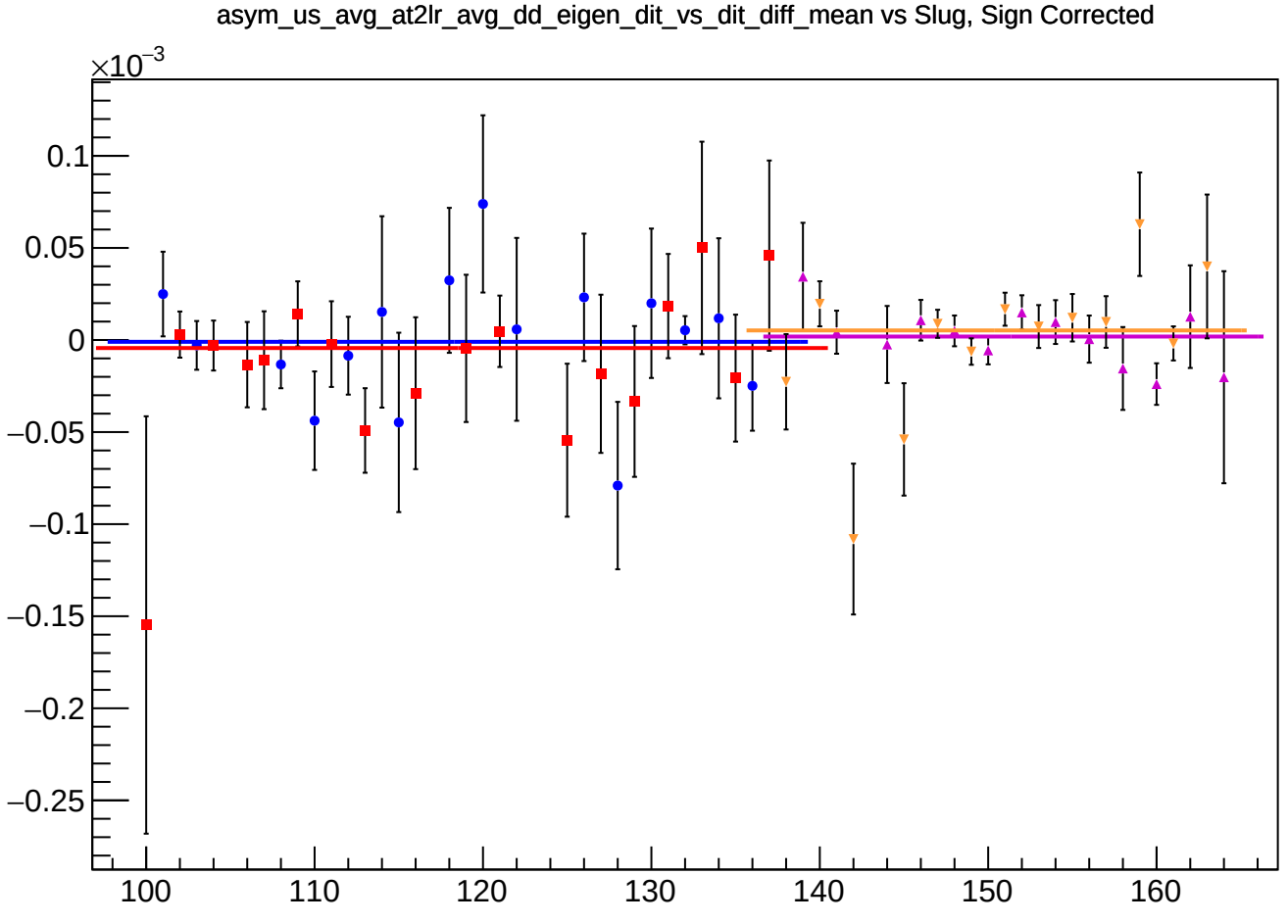
Left: 594.501+/-0.094 χ^2/NDF: 1556296.2/25

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

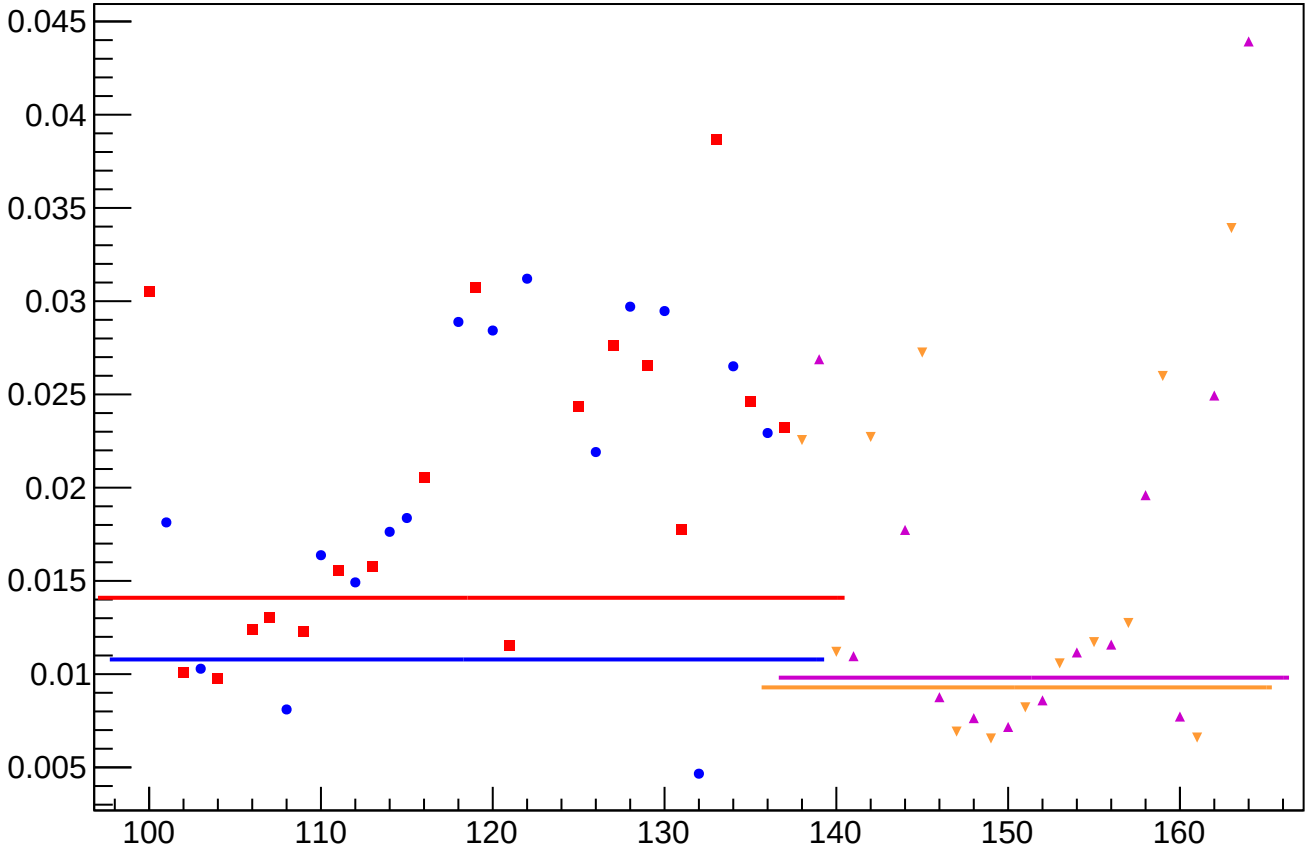
In: 344.036+/-0.064 χ^2/NDF:6722844.1/28

Out: 308.672+/-0.062 χ^2/NDF:8736959.0/30

All: 325.595+/-0.044 χ^2/NDF: 15617803.8/59


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: 0.000+/-0.000 χ²/NDF:24.4/12
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:11.6/12
Left: 0.000+/-0.000 χ²/NDF: 36.5/25
Right: -0.000+/-0.000 χ²/NDF: 27.2/33
In: 0.000+/-0.000 χ²/NDF:26.2/28
Out: 0.000+/-0.000 χ²/NDF:39.1/30
All: 0.000+/-0.000 χ²/NDF: 65.5/59

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:3883883.0/12

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:3219834.2/12

Left: 0.010+/-0.000 χ^2/NDF: 7127934.9/25

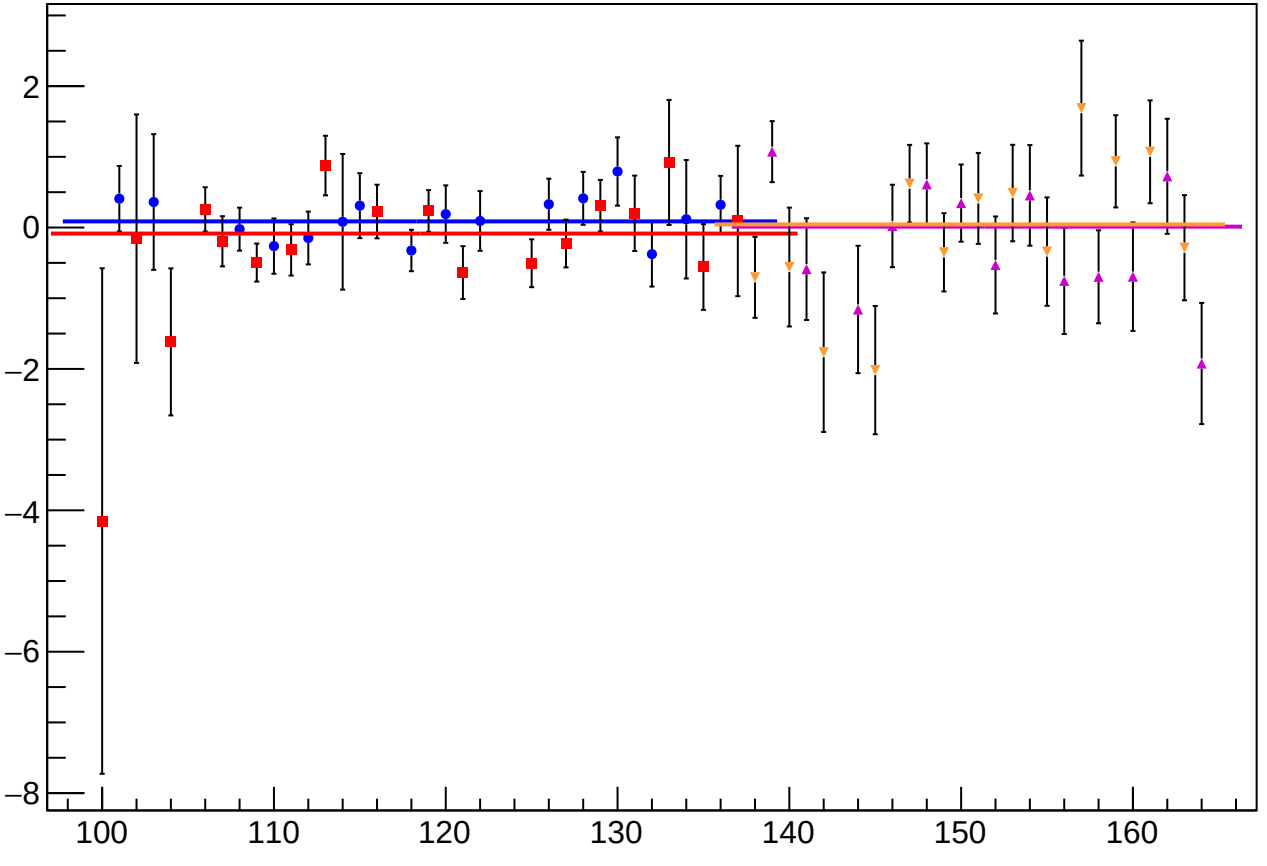
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:7852548.9/28

Out: 0.010+/-0.000 χ^2/NDF:7022911.8/30

All: 0.010+/-0.000 χ^2/NDF: 14892644.3/59

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: 0.044+/-0.194 χ^2/NDF:19.6/12

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.012+/-0.181 χ^2/NDF:19.8/12

Left: 0.027+/-0.132 χ^2/NDF: 39.4/25

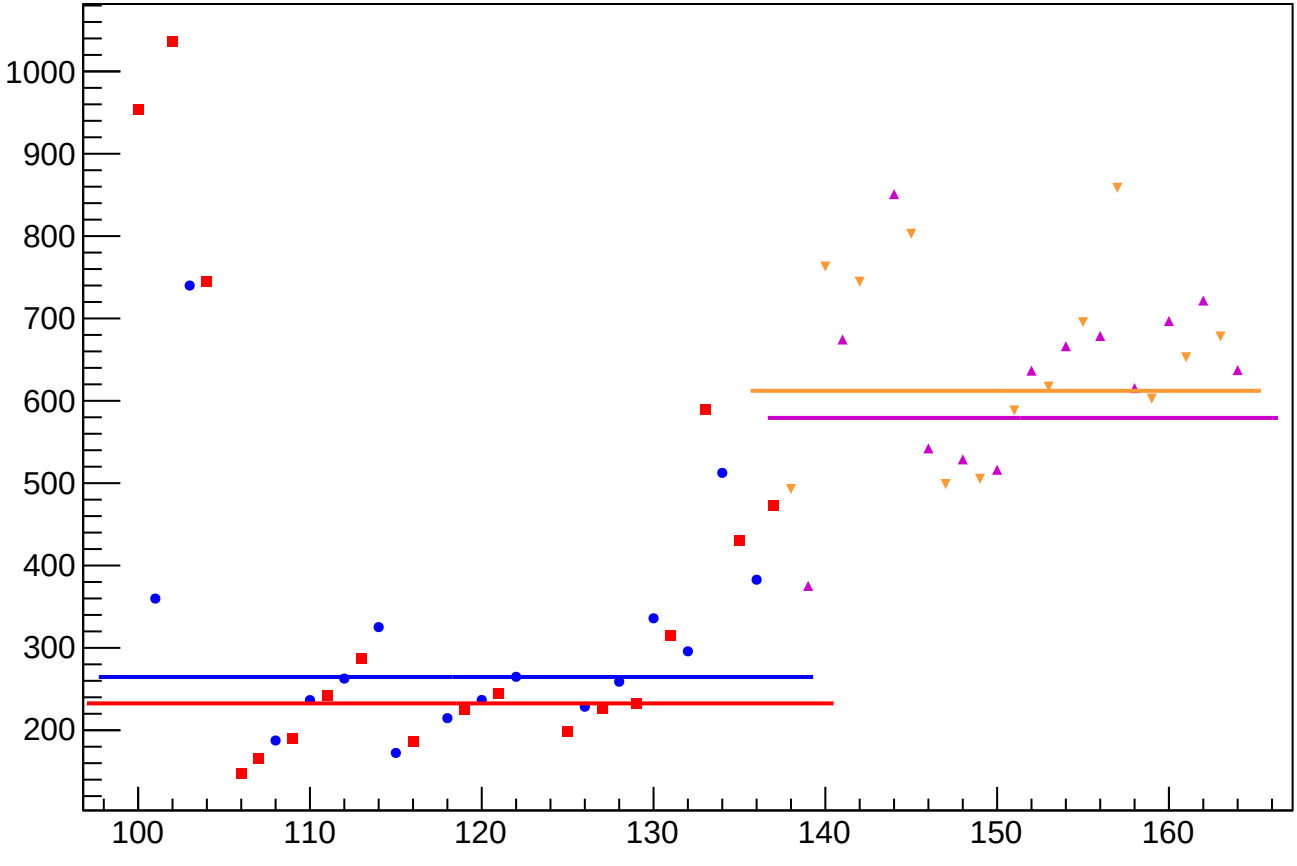
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.068+/-0.091 χ^2/NDF:28.8/28

Out: -0.060+/-0.087 χ^2/NDF:41.8/30

All: 0.002+/-0.063 χ^2/NDF: 71.6/59

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 612.160+/-0.137 χ^2/NDF:608956.7/12

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 579.230+/-0.128 χ^2/NDF:916574.2/12

Left: 594.510+/-0.094 χ^2/NDF: 1556286.4/25

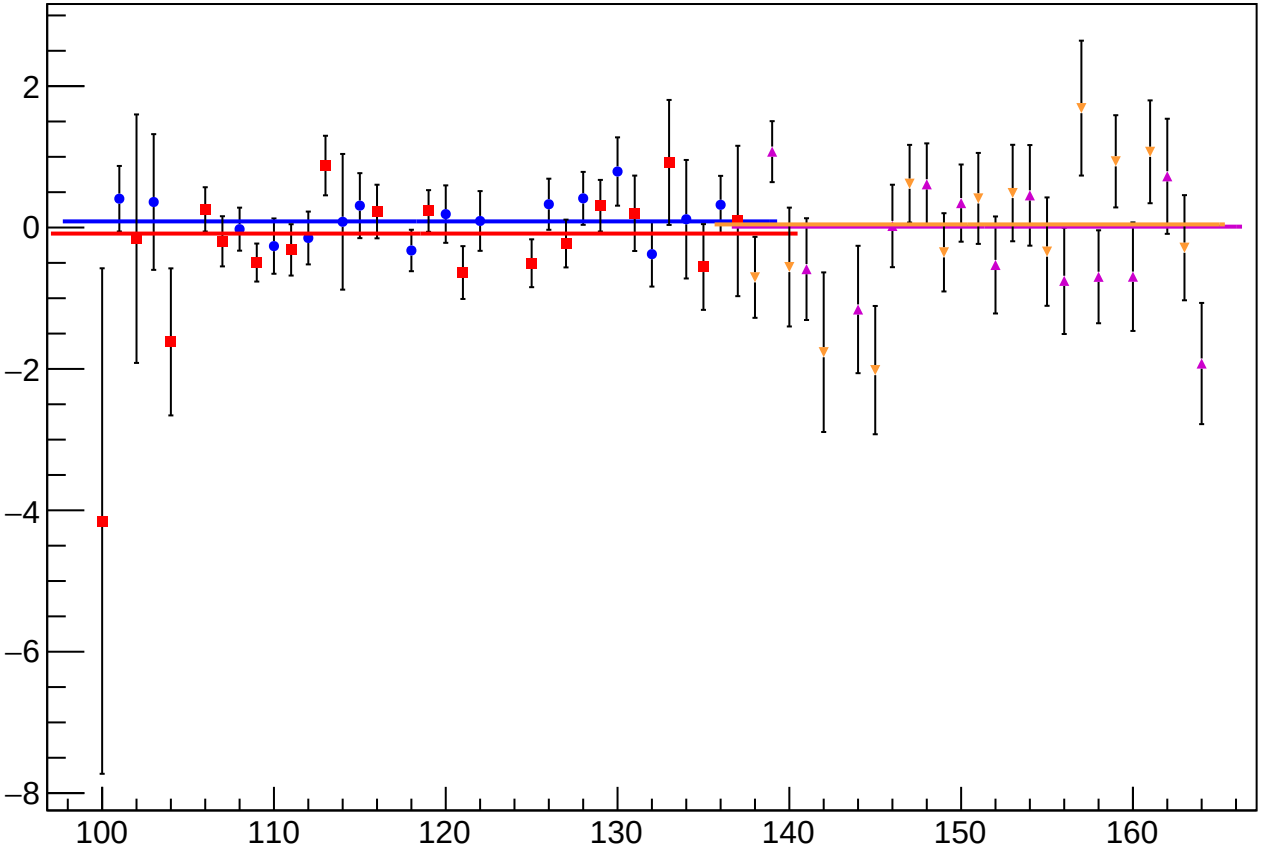
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 344.036+/-0.064 χ^2/NDF:6722955.5/28

Out: 308.672+/-0.062 χ^2/NDF:8737061.3/30

All: 325.595+/-0.044 χ^2/NDF: 15618010.7/59

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: 0.044+/-0.194 χ^2/NDF:19.6/12

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.012+/-0.181 χ^2/NDF:19.8/12

Left: 0.027+/-0.132 χ^2/NDF: 39.4/25

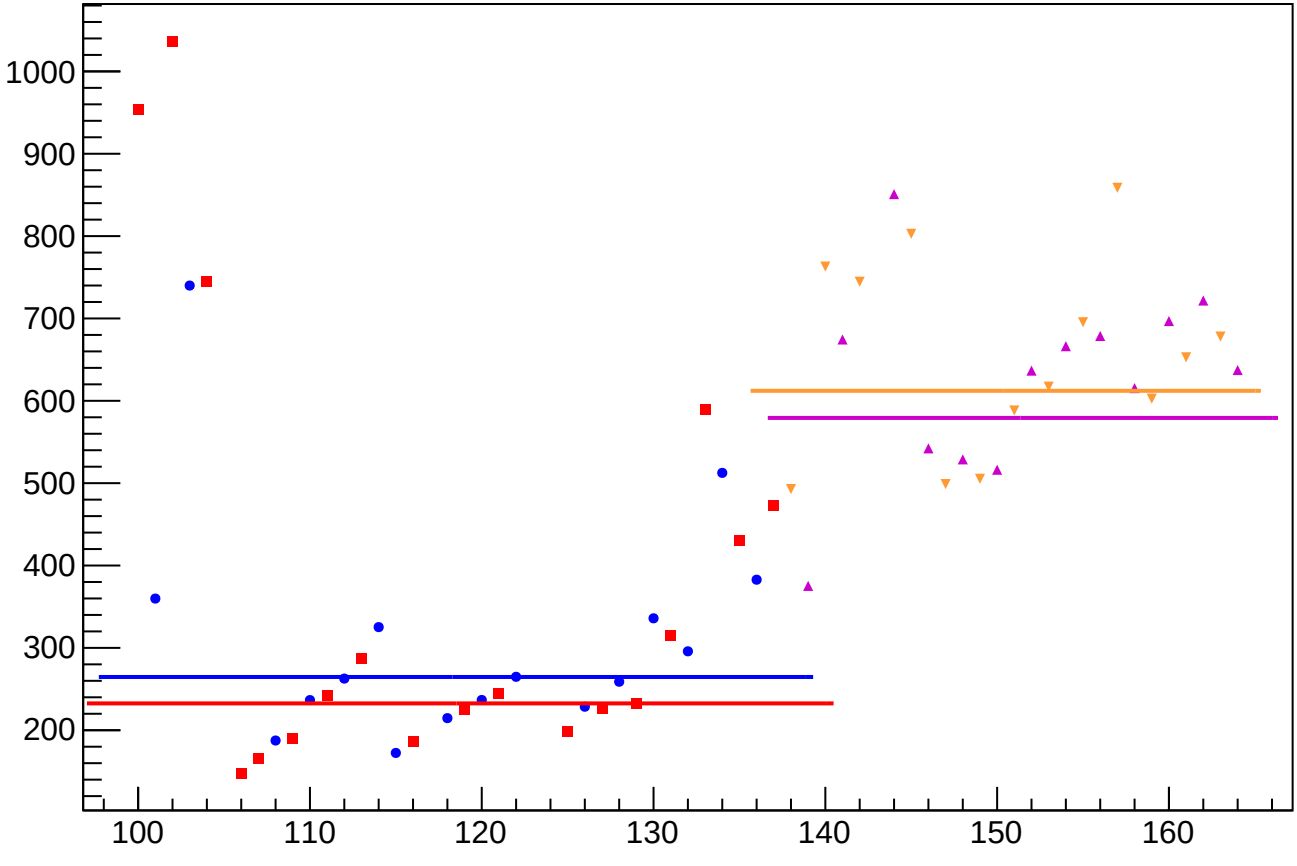
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.068+/-0.091 χ^2/NDF:28.8/28

Out: -0.060+/-0.087 χ^2/NDF:41.8/30

All: 0.002+/-0.063 χ^2/NDF: 71.6/59

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 612.160+/-0.137 χ^2/NDF:608956.7/12

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 579.230+/-0.128 χ^2/NDF:916574.2/12

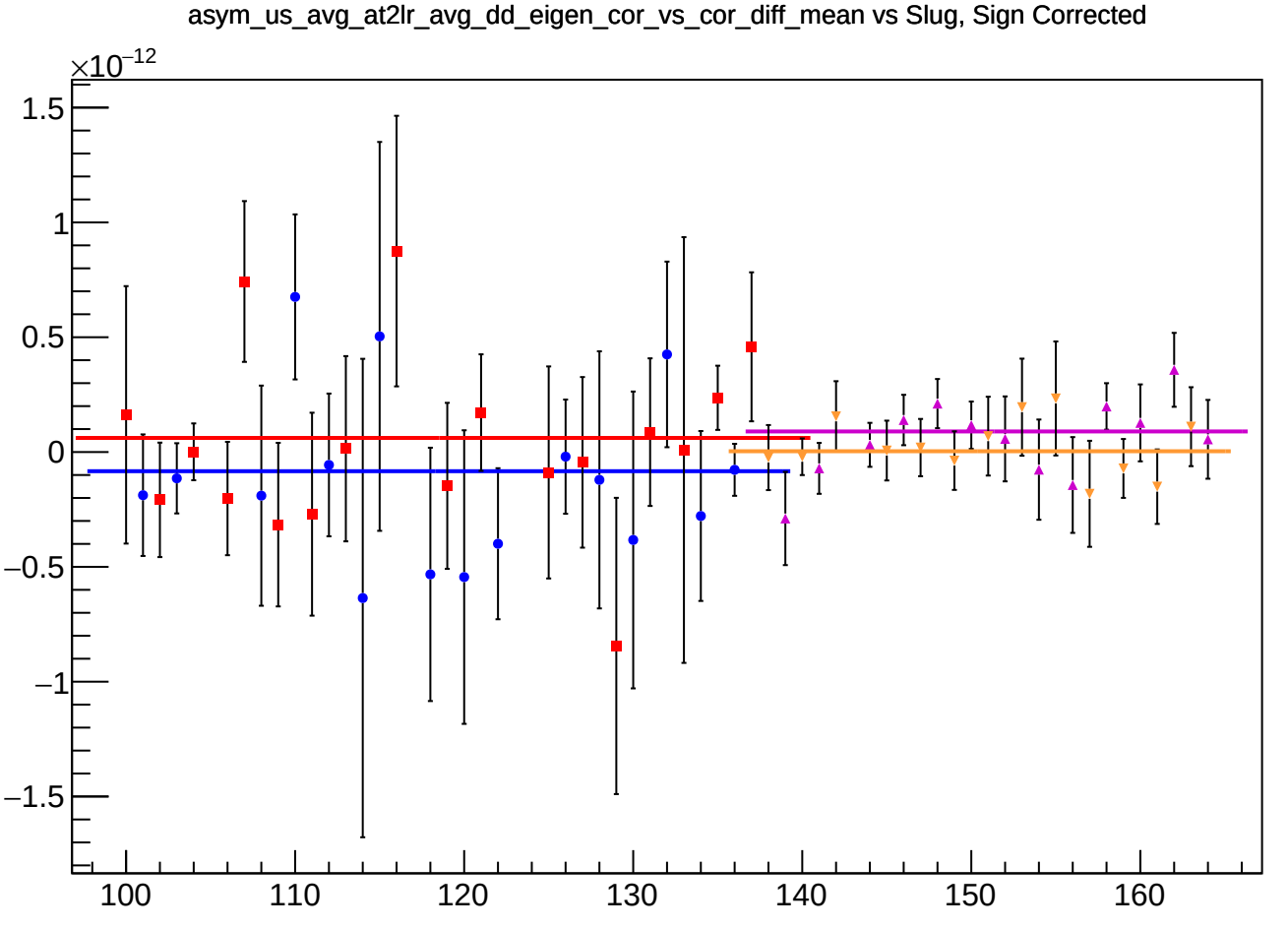
Left: 594.510+/-0.094 χ^2/NDF: 1556286.4/25

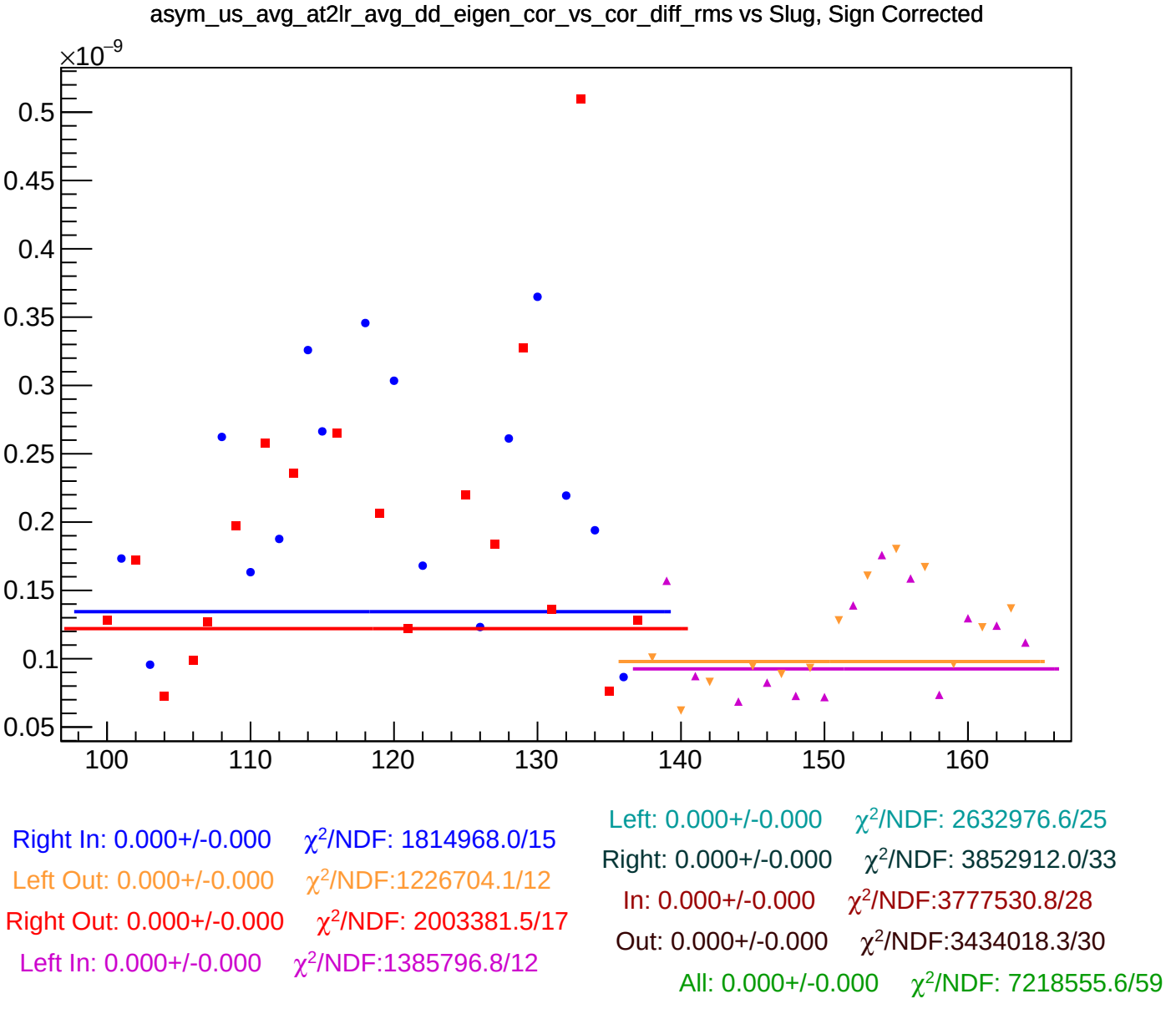
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

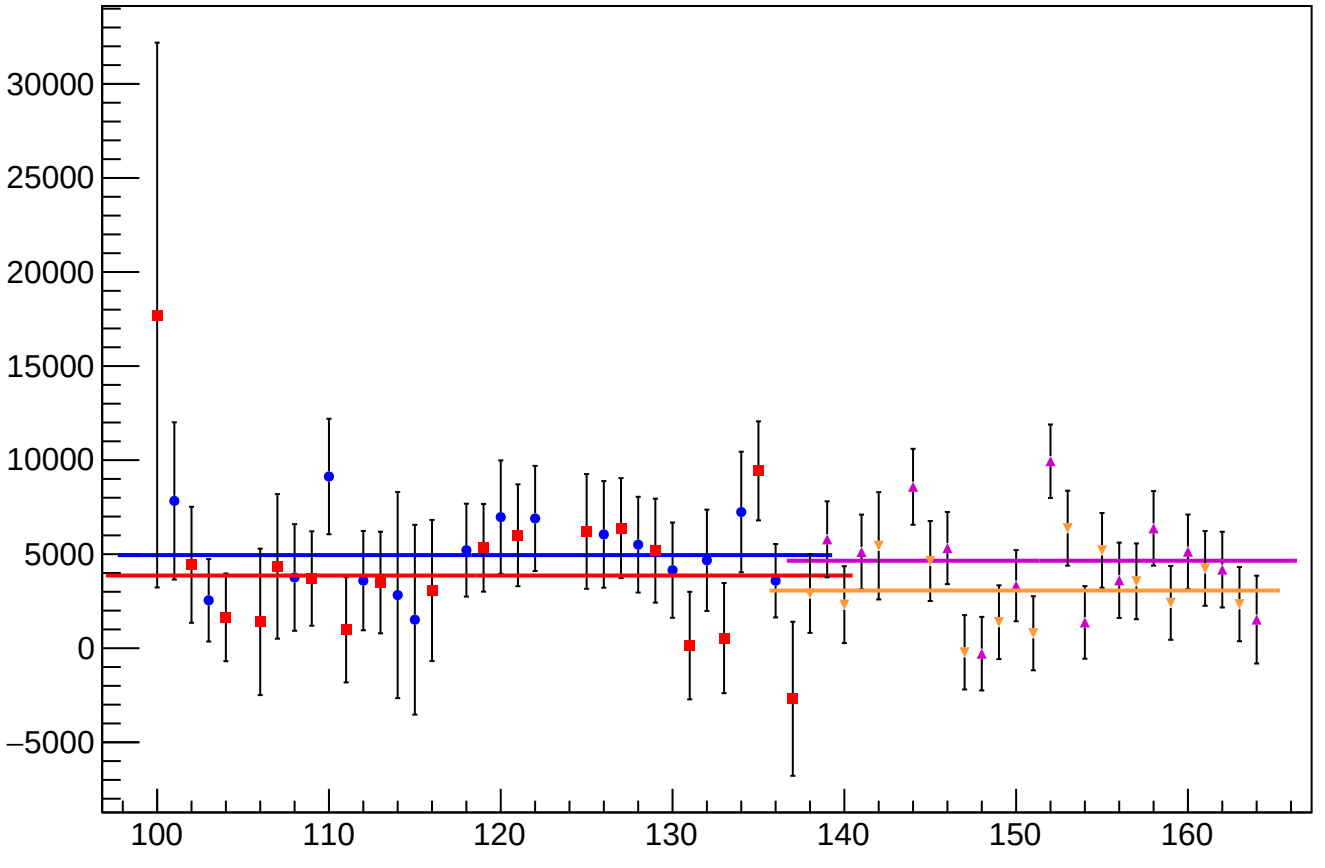
In: 344.036+/-0.064 χ^2/NDF:6722955.5/28

Out: 308.672+/-0.062 χ^2/NDF:8737061.3/30

All: 325.595+/-0.044 χ^2/NDF: 15618010.7/59


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 9.7/15
Left Out: 0.000+/-0.000 χ²/NDF:5.3/12
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: 0.000+/-0.000 χ²/NDF:13.4/12
Left: 0.000+/-0.000 χ²/NDF: 21.4/25
Right: -0.000+/-0.000 χ²/NDF: 27.8/33
In: 0.000+/-0.000 χ²/NDF:28.1/28
Out: 0.000+/-0.000 χ²/NDF:21.7/30
All: 0.000+/-0.000 χ²/NDF: 50.2/59


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
160
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1226704.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:1385796.8/12
Left: 0.000+/-0.000 χ²/NDF: 2632976.6/25
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:3777530.8/28
Out: 0.000+/-0.000 χ²/NDF:3434018.3/30
All: 0.000+/-0.000 χ²/NDF: 7218555.6/59



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3066.132+/-567.307 χ^2/NDF:10.8/12

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4651.709+/-552.325 χ^2/NDF:24.3/12

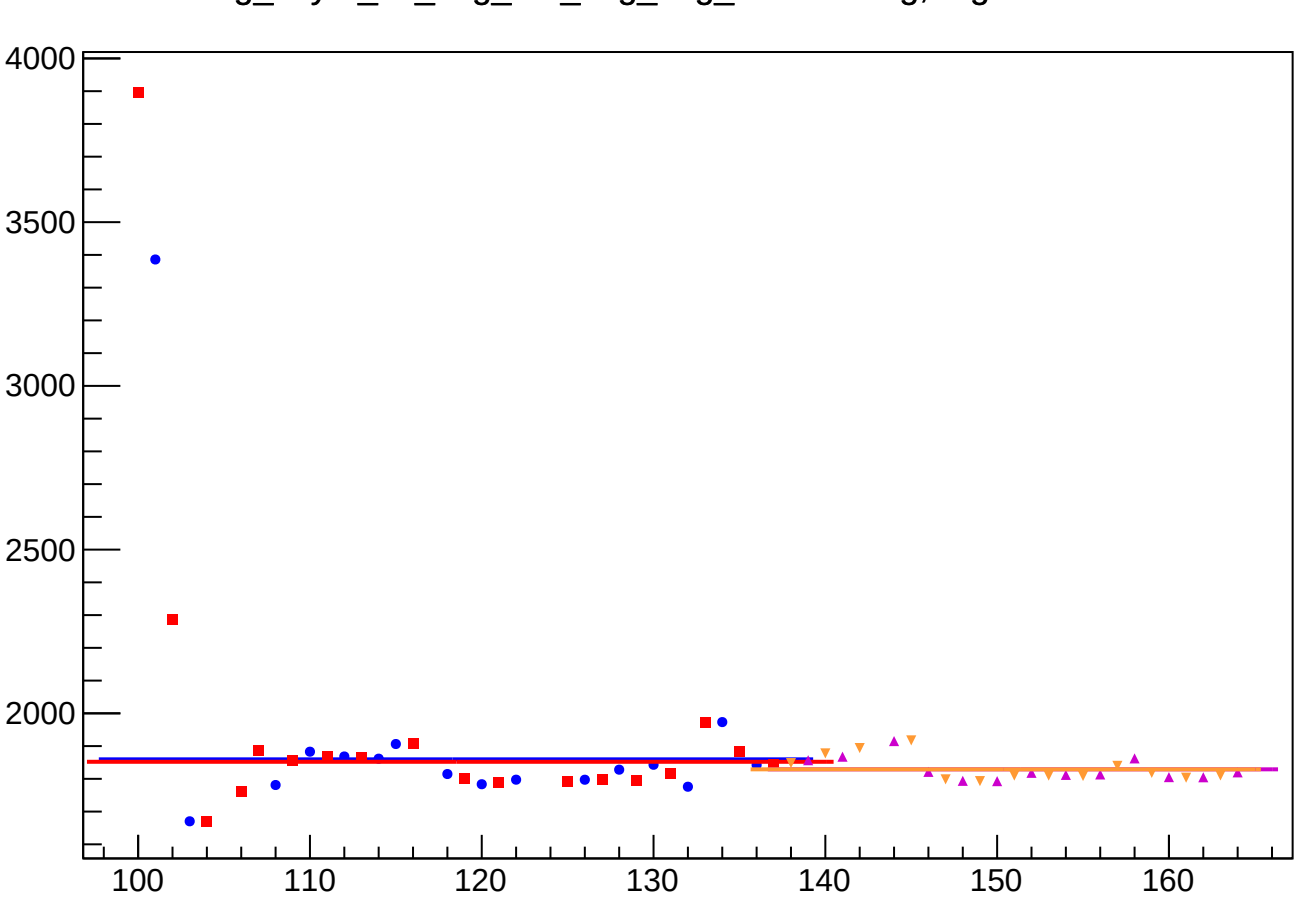
Left: 3880.134+/-395.743 χ^2/NDF: 39.1/25

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4766.500+/-433.350 χ^2/NDF:31.3/28

Out: 3385.200+/-439.680 χ^2/NDF:27.7/30

All: 4085.866+/-308.638 χ^2/NDF: 64.0/59



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1828.993+/-0.401 χ^2/NDF:8152.4/12

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1829.030+/-0.391 χ^2/NDF:7706.1/12

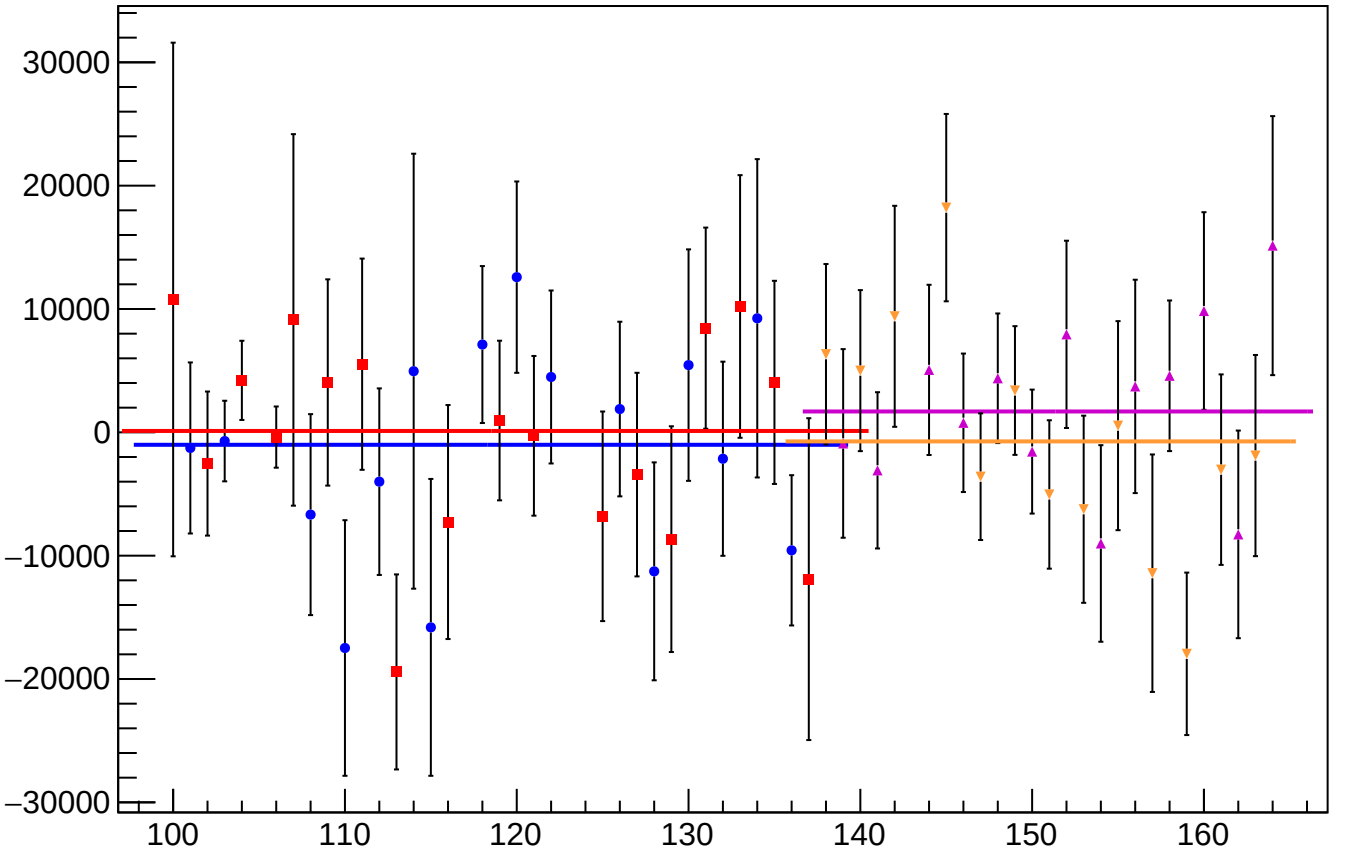
Left: 1829.012+/-0.280 χ^2/NDF: 15858.6/25

Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1840.747+/-0.306 χ^2/NDF:302382.0/28

Out: 1838.240+/-0.311 χ^2/NDF:111690.7/30

All: 1839.510+/-0.218 χ^2/NDF: 414105.7/59



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -734.742+/-1920.278 χ^2/NDF:19.4/12

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1691.470+/-1881.150 χ^2/NDF:8.5/12

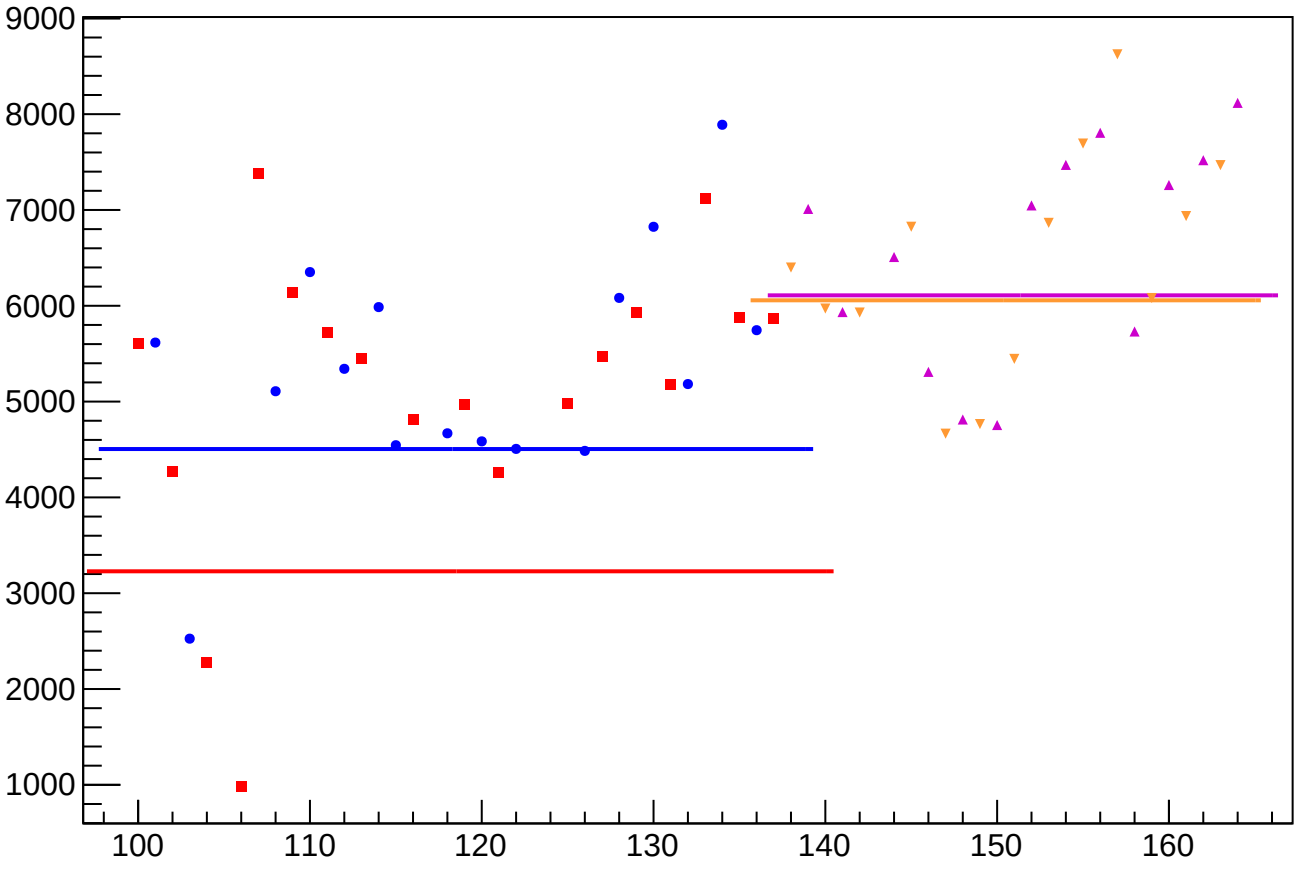
Left: 503.334+/-1343.794 χ^2/NDF: 28.7/25

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: 253.987+/-1286.830 χ^2/NDF:24.3/28

Out: -192.842+/-1151.299 χ^2/NDF:34.1/30

All: 5.811+/-858.020 χ^2/NDF: 58.5/59



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6057.019+/-1.358 χ^2/NDF:641108.5/12

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6108.896+/-1.330 χ^2/NDF:687451.6/12

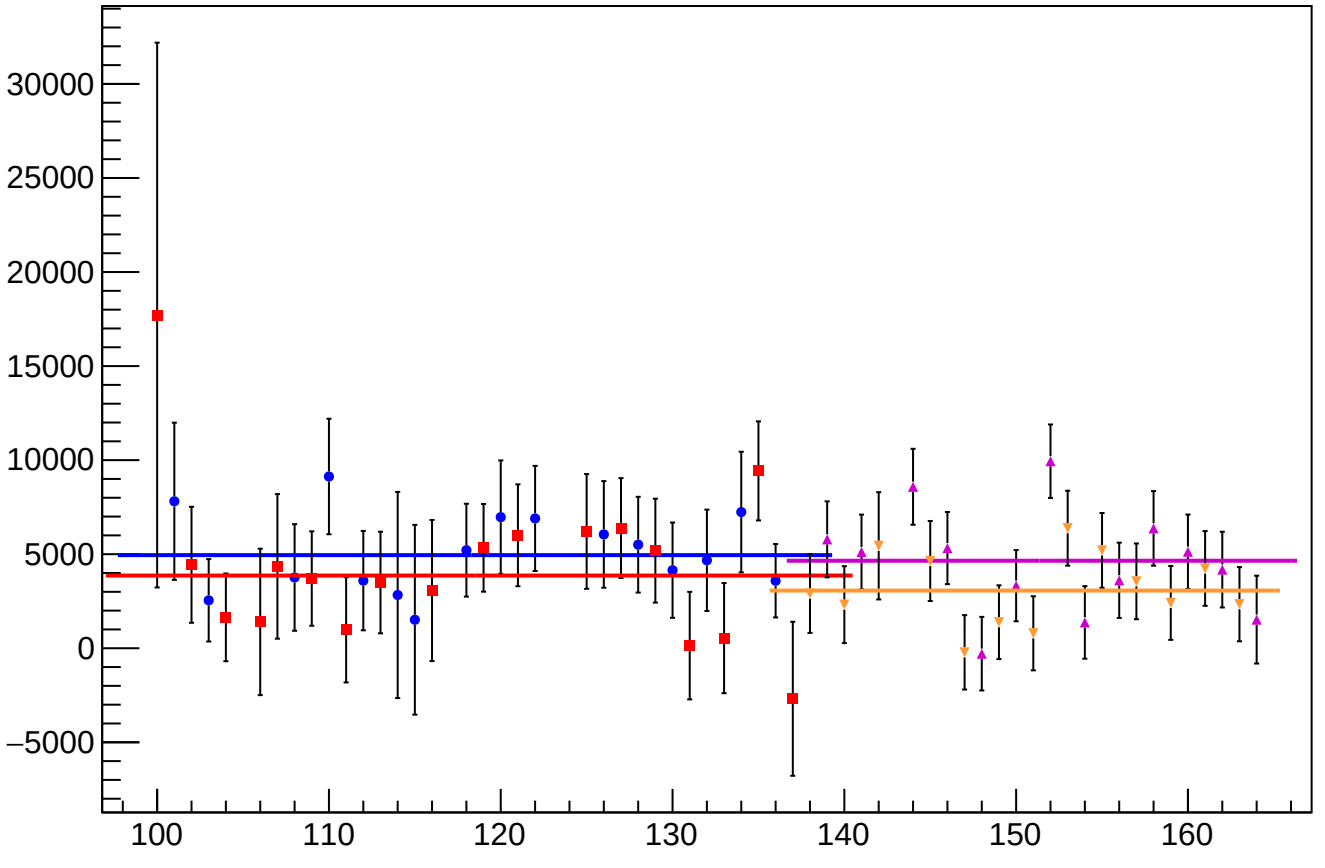
Left: 6083.491+/-0.950 χ^2/NDF: 1329304.9/25

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5255.423+/-0.910 χ^2/NDF:2782316.5/28

Out: 4245.301+/-0.814 χ^2/NDF:7376805.2/30

All: 4694.384+/-0.607 χ^2/NDF: 10843591.4/5



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3066.011+/-567.307 χ^2/NDF:10.8/12

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4651.850+/-552.325 χ^2/NDF:24.3/12

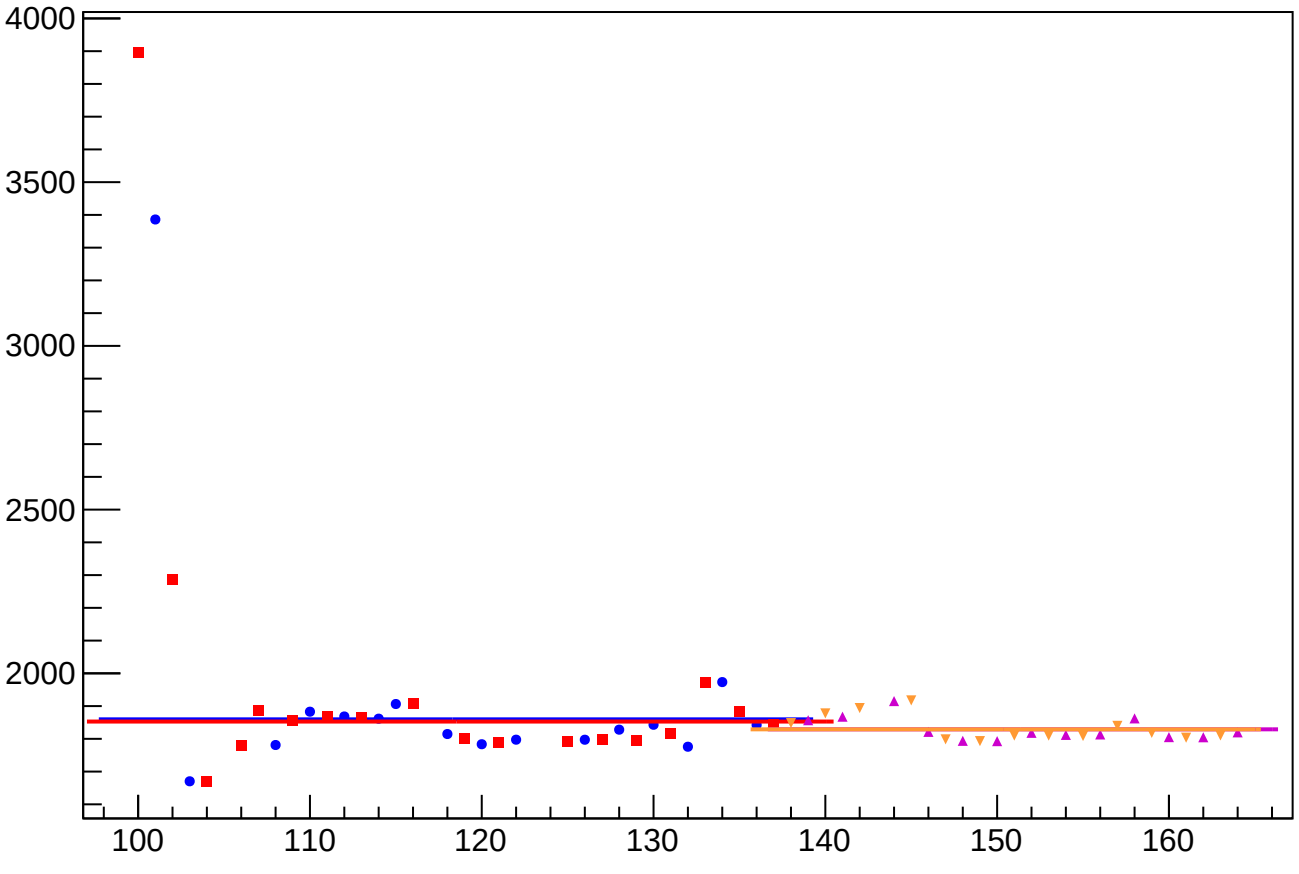
Left: 3880.148+/-395.743 χ^2/NDF: 39.1/25

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4766.401+/-433.350 χ^2/NDF:31.3/28

Out: 3385.042+/-439.680 χ^2/NDF:27.7/30

All: 4085.738+/-308.638 χ^2/NDF: 64.0/59



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1828.993+/-0.401 χ^2/NDF:8152.4/12

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1829.030+/-0.391 χ^2/NDF:7706.1/12

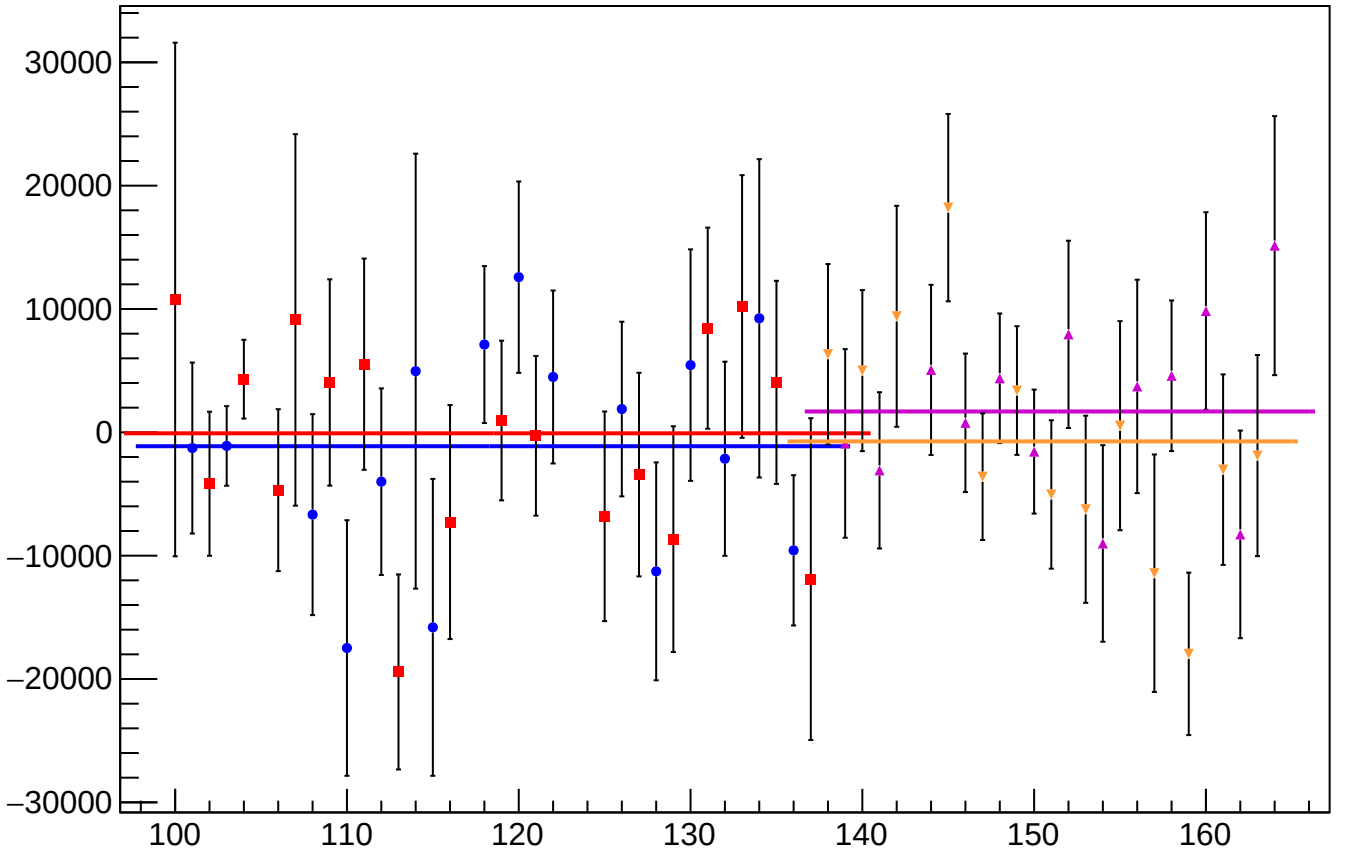
Left: 1829.012+/-0.280 χ^2/NDF: 15858.6/25

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1840.747+/-0.306 χ^2/NDF:302383.9/28

Out: 1838.519+/-0.311 χ^2/NDF:111310.5/30

All: 1839.648+/-0.218 χ^2/NDF: 413720.4/59



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -734.833+/-1920.277 χ^2/NDF:19.4/12

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1691.648+/-1881.151 χ^2/NDF:8.5/12

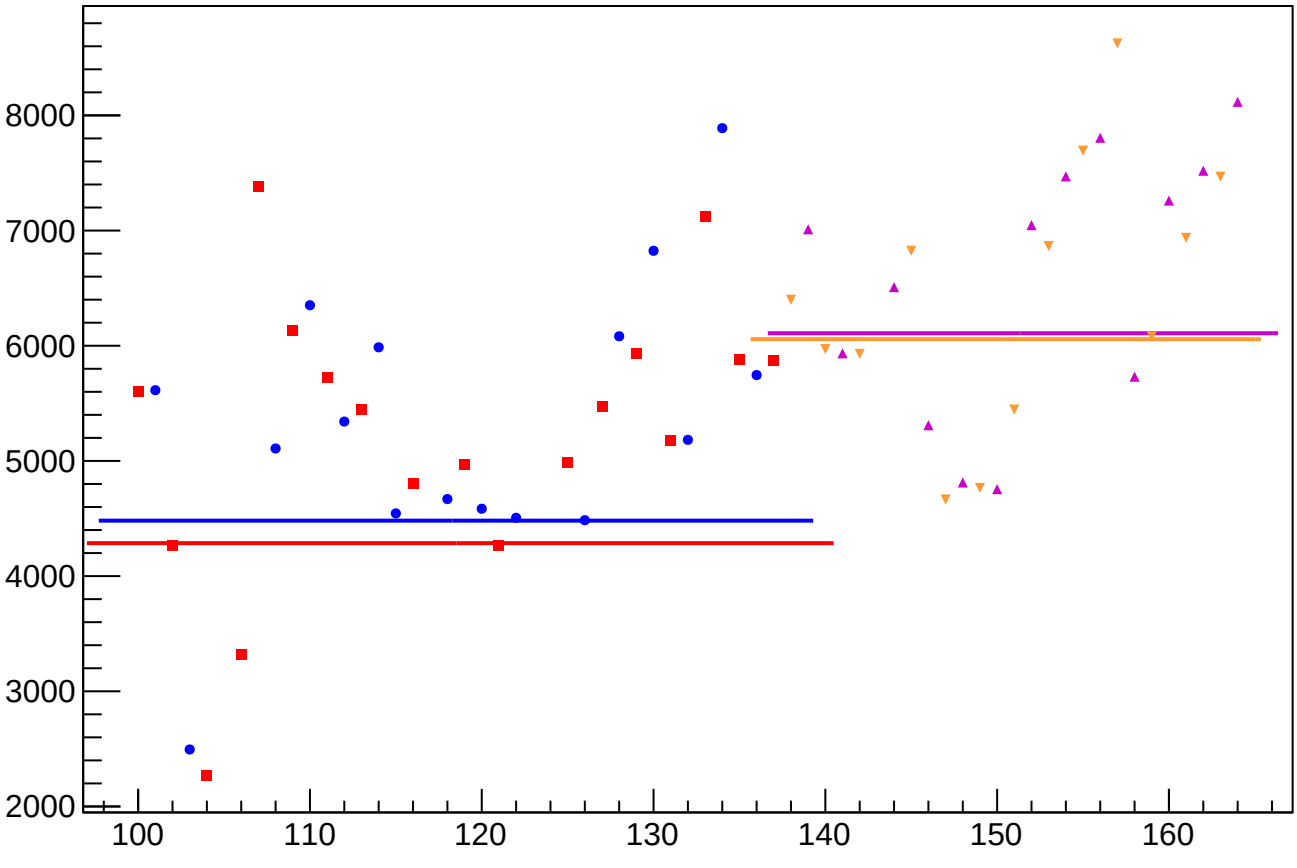
Left: 503.379+/-1343.794 χ^2/NDF: 28.7/25

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 187.715+/-1284.377 χ^2/NDF:24.4/28

Out: -367.215+/-1273.894 χ^2/NDF:35.0/30

All: -92.024+/-904.462 χ^2/NDF: 59.5/59



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6057.016+/-1.358 χ^2/NDF:641118.0/12

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6108.896+/-1.330 χ^2/NDF:687458.8/12

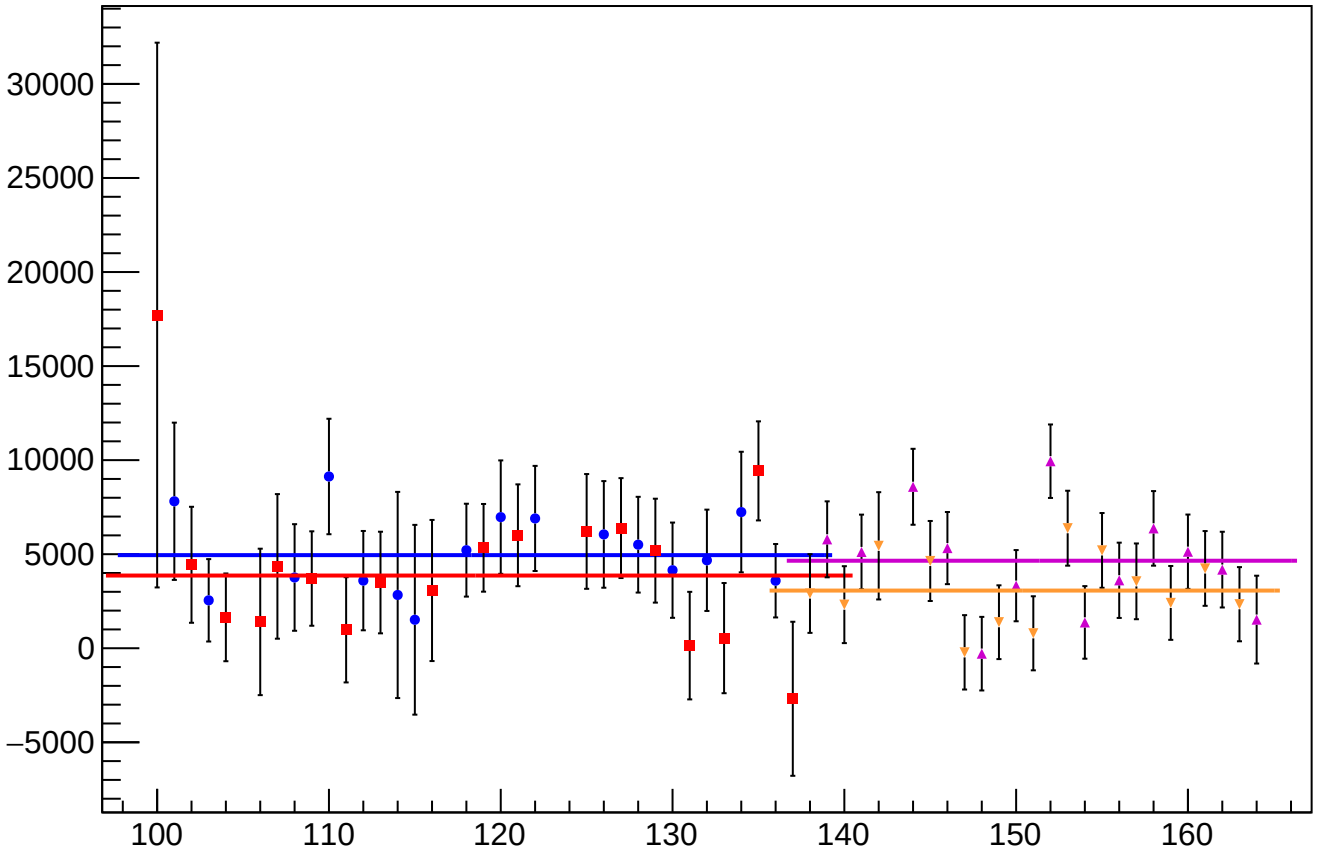
Left: 6083.490+/-0.950 χ^2/NDF: 1329321.7/25

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5240.142+/-0.908 χ^2/NDF:2848753.2/28

Out: 5065.471+/-0.901 χ^2/NDF:3143342.4/30

All: 5152.091+/-0.640 χ^2/NDF: 6010742.2/59



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3066.011+/-567.307 χ^2/NDF:10.8/12

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4651.850+/-552.325 χ^2/NDF:24.3/12

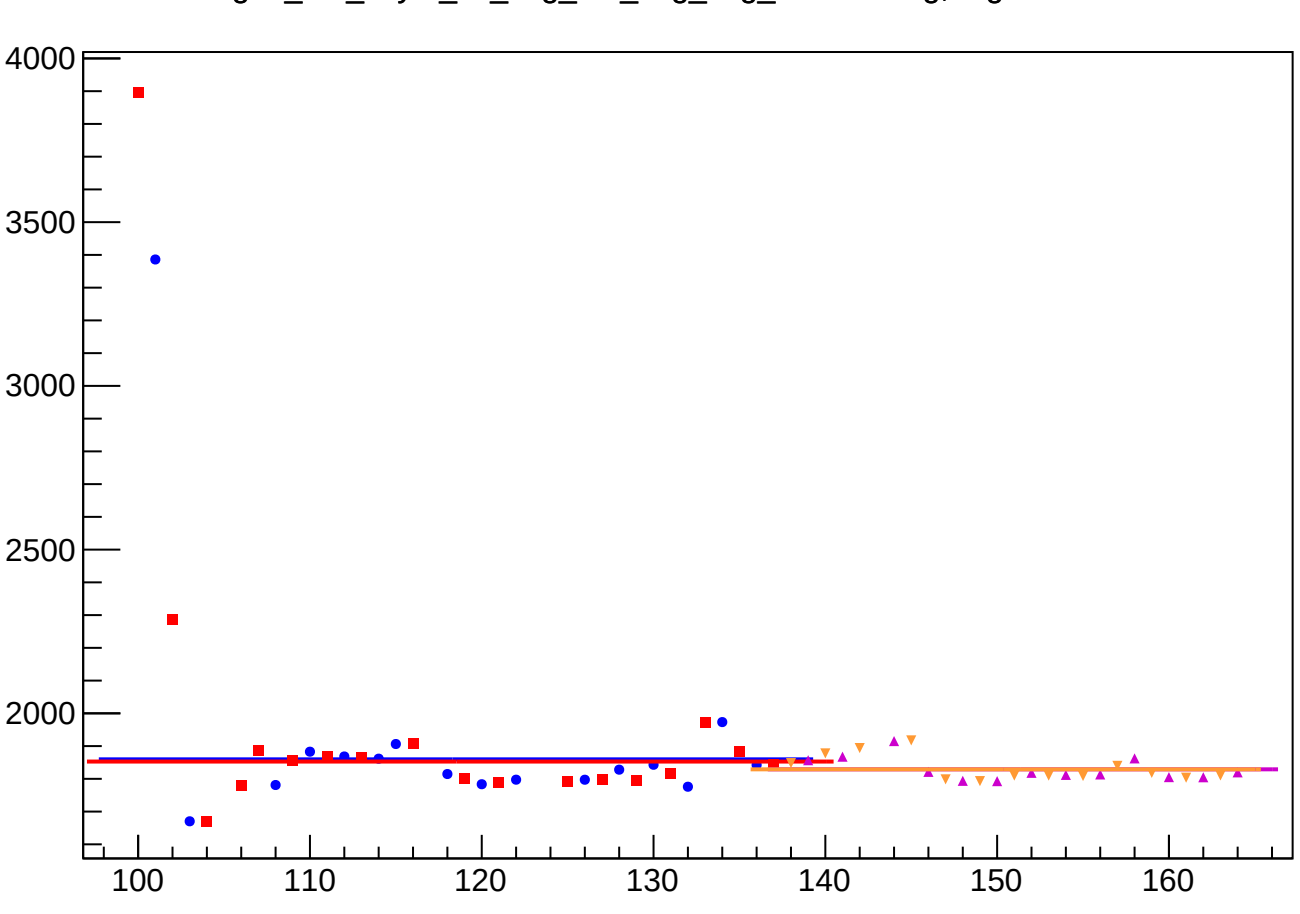
Left: 3880.148+/-395.743 χ^2/NDF: 39.1/25

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4766.401+/-433.350 χ^2/NDF:31.3/28

Out: 3385.042+/-439.680 χ^2/NDF:27.7/30

All: 4085.738+/-308.638 χ^2/NDF: 64.0/59


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
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3000
2500
2000
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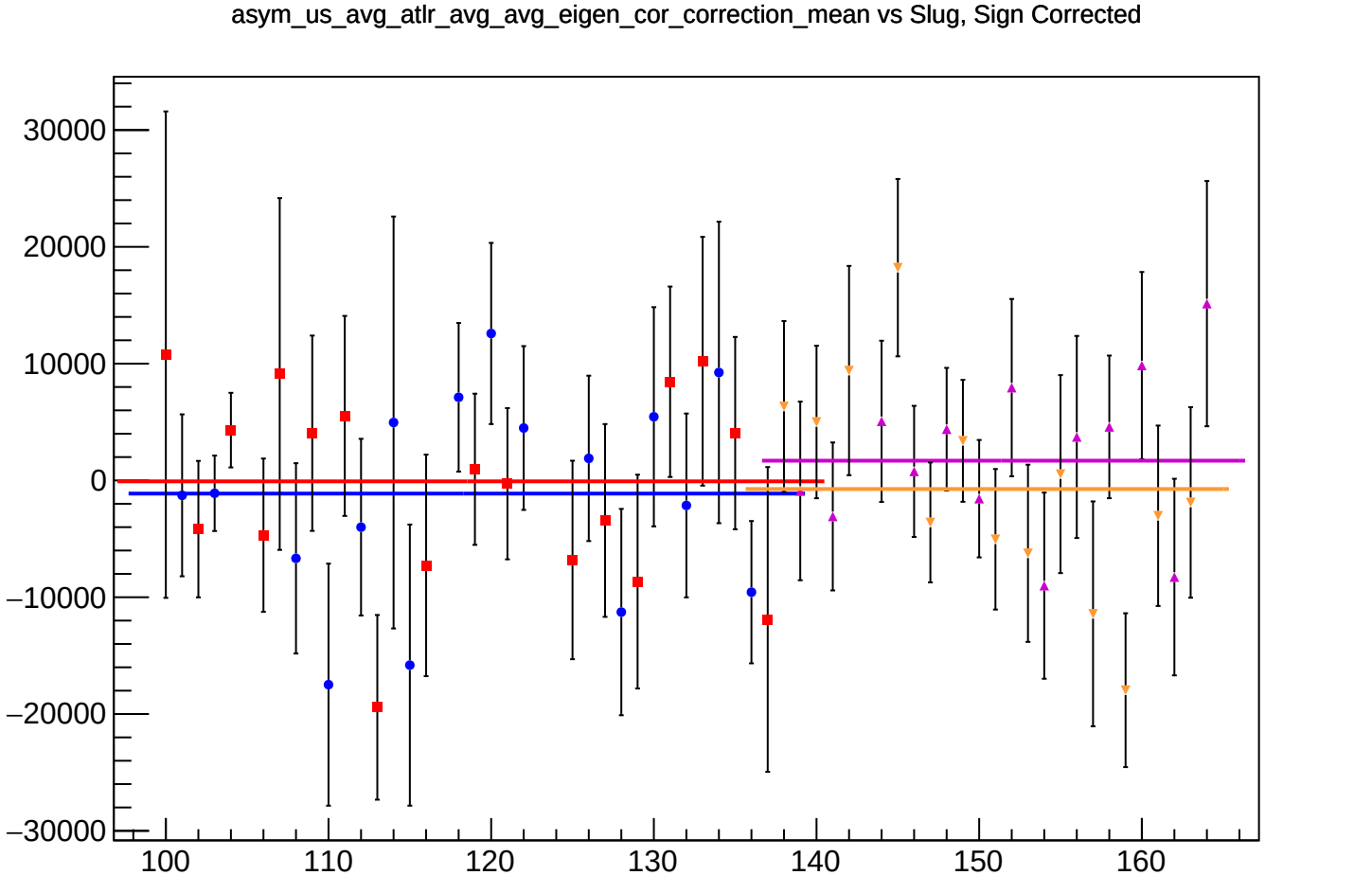
140
150
160
Right In: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1828.993+/-0.401 χ²/NDF:8152.4/12
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1829.030+/-0.391 χ²/NDF:7706.1/12
Left: 1829.012+/-0.280 χ²/NDF: 15858.6/25
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1840.747+/-0.306 χ²/NDF:302383.9/28
Out: 1838.519+/-0.311 χ²/NDF:111310.5/30
All: 1839.648+/-0.218 χ²/NDF: 413720.4/59



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -734.833+/-1920.277 χ^2/NDF:19.4/12

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1691.648+/-1881.151 χ^2/NDF:8.5/12

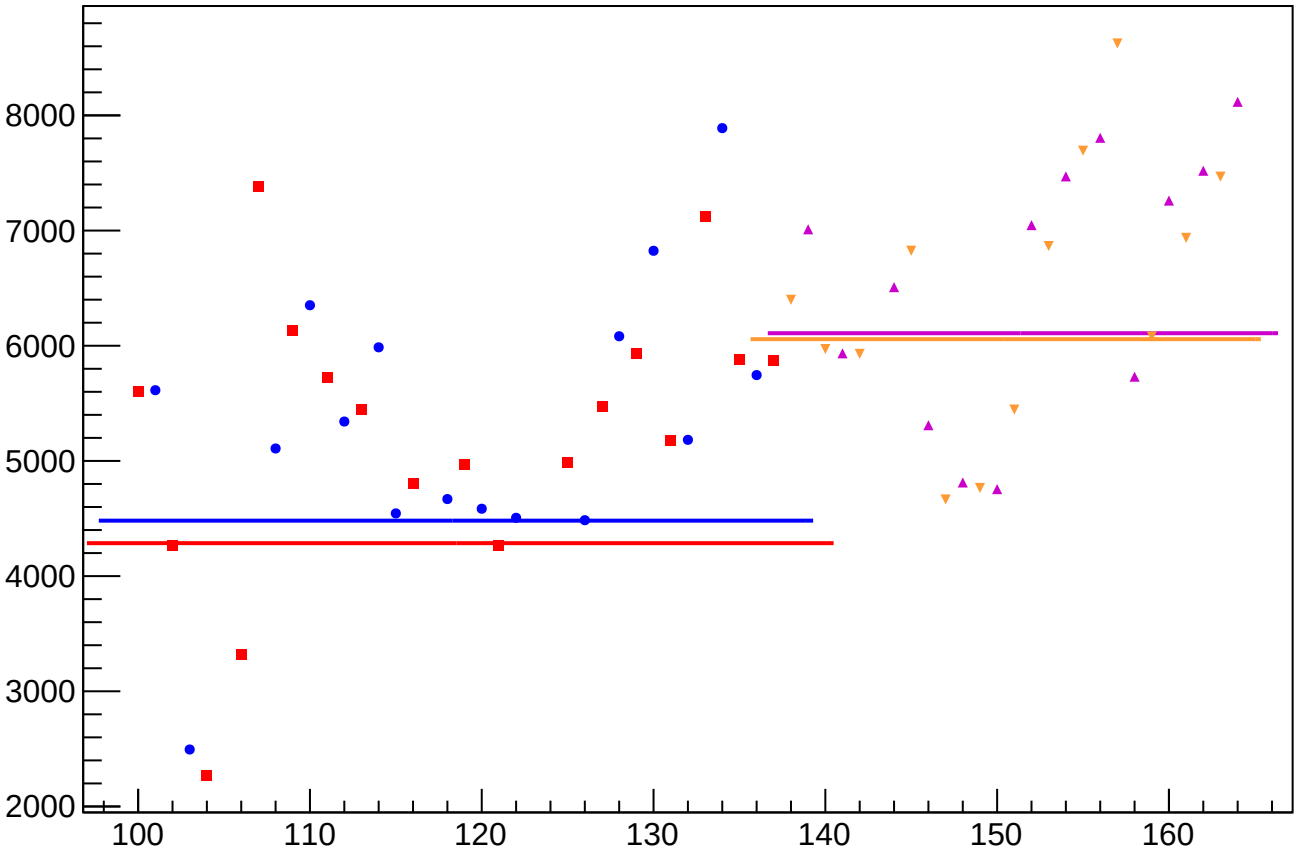
Left: 503.379+/-1343.794 χ^2/NDF: 28.7/25

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 187.715+/-1284.377 χ^2/NDF:24.4/28

Out: -367.215+/-1273.894 χ^2/NDF:35.0/30

All: -92.024+/-904.462 χ^2/NDF: 59.5/59



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6057.016+/-1.358 χ^2/NDF:641118.0/12

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6108.896+/-1.330 χ^2/NDF:687458.8/12

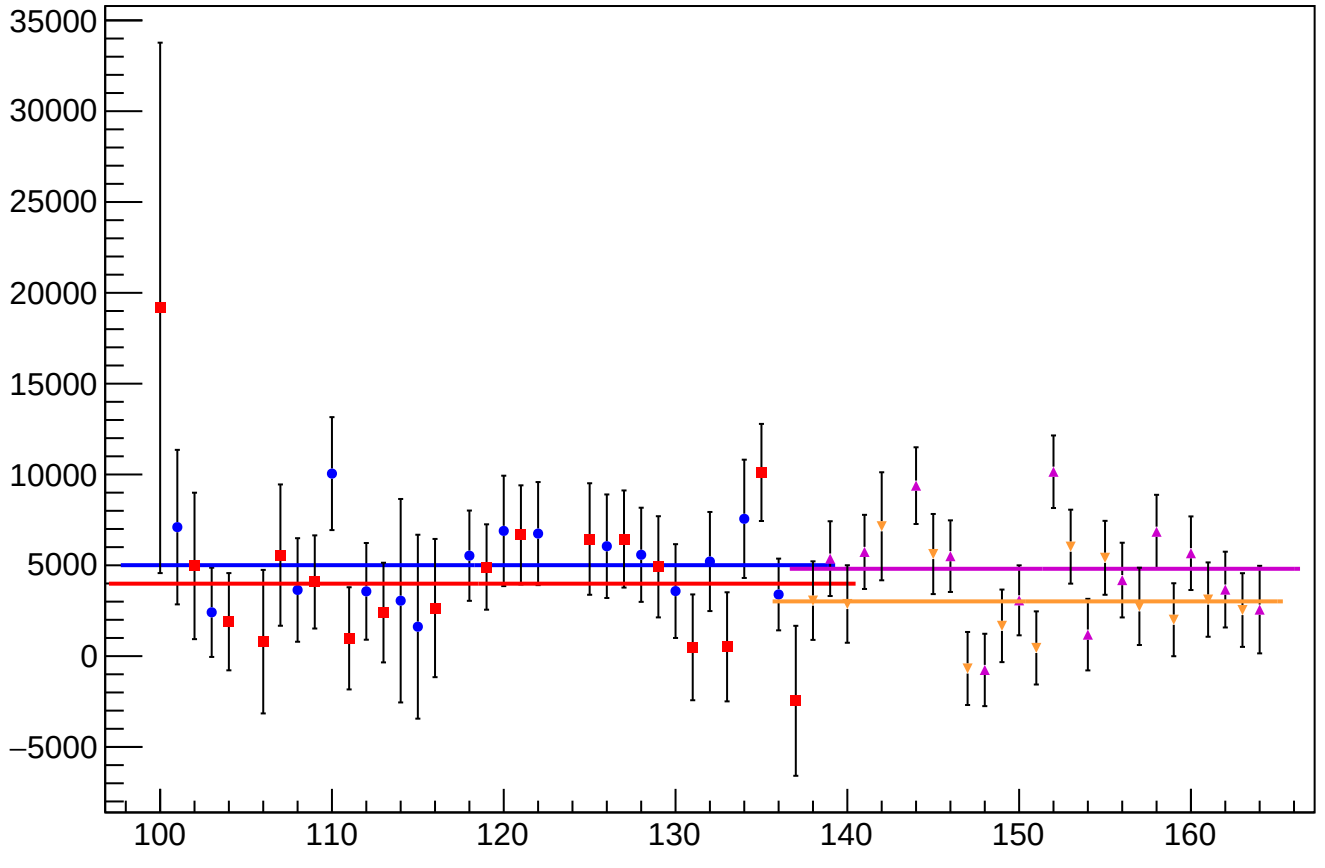
Left: 6083.490+/-0.950 χ^2/NDF: 1329321.7/25

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5240.142+/-0.908 χ^2/NDF:2848753.2/28

Out: 5065.471+/-0.901 χ^2/NDF:3143342.4/30

All: 5152.091+/-0.640 χ^2/NDF: 6010742.2/59



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3014.121+/-584.173 χ^2/NDF:12.7/12

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4808.137+/-566.889 χ^2/NDF:26.7/12

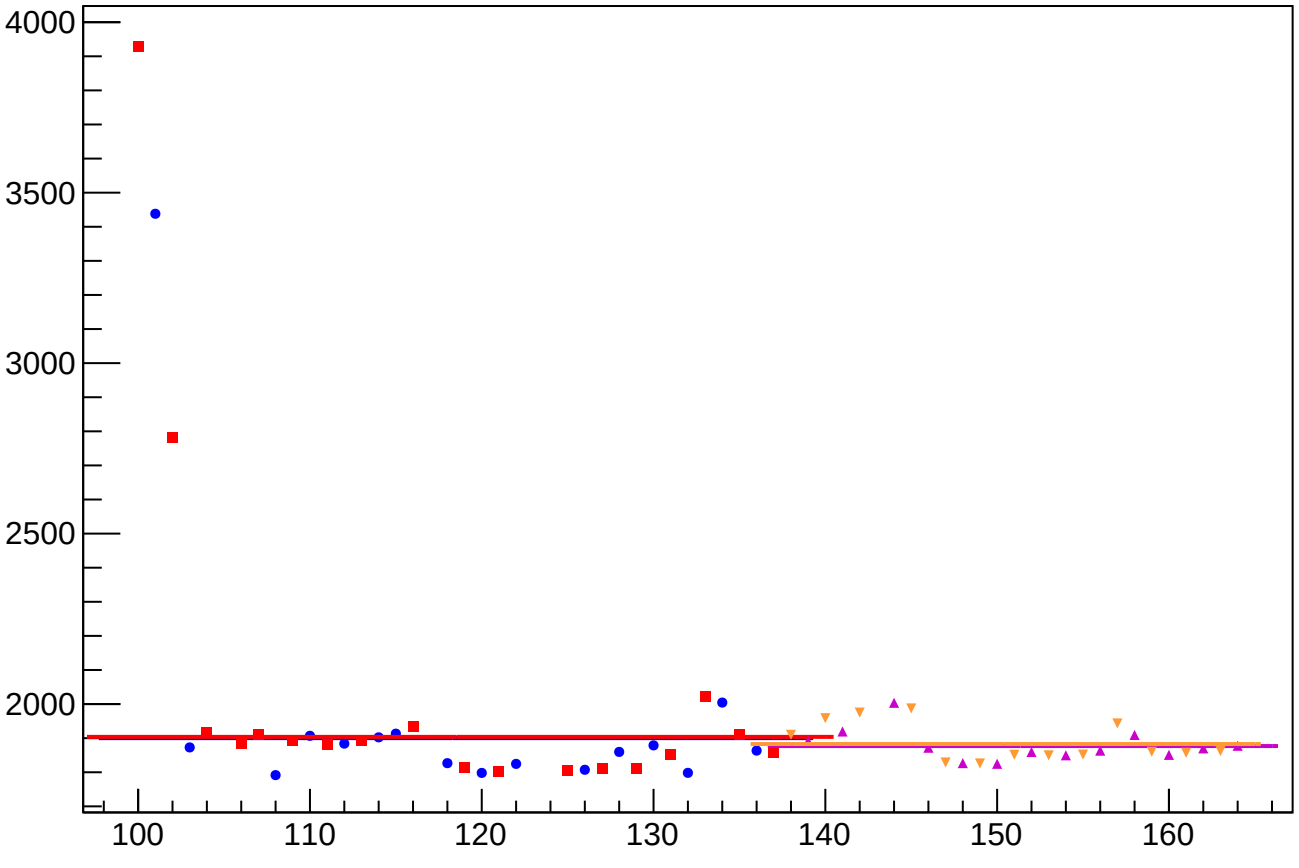
Left: 3938.062+/-406.824 χ^2/NDF: 44.3/25

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4885.140+/-443.985 χ^2/NDF:34.4/28

Out: 3401.828+/-453.396 χ^2/NDF:31.2/30

All: 4159.037+/-317.220 χ^2/NDF: 71.1/59



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1882.789+/-0.413 χ^2/NDF:16188.2/12

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1876.895+/-0.401 χ^2/NDF:12418.4/12

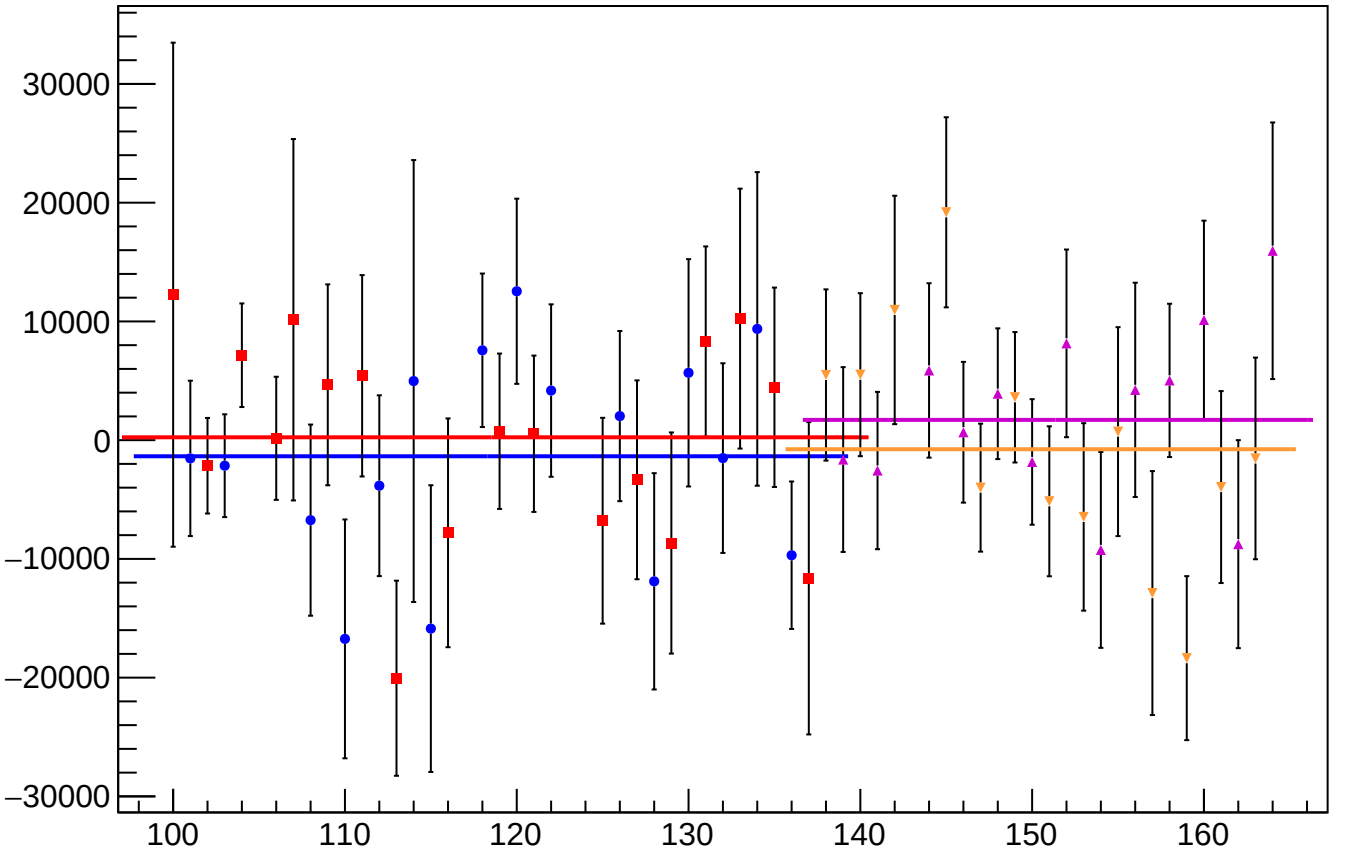
Left: 1879.753+/-0.288 χ^2/NDF: 28711.5/25

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1885.870+/-0.314 χ^2/NDF:292163.5/28

Out: 1891.165+/-0.320 χ^2/NDF:167336.8/30

All: 1888.463+/-0.224 χ^2/NDF: 459639.6/59



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -764.153+/-2007.505 χ^2/NDF:19.4/12

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 1707.372+/-1969.018 χ^2/NDF:8.5/12

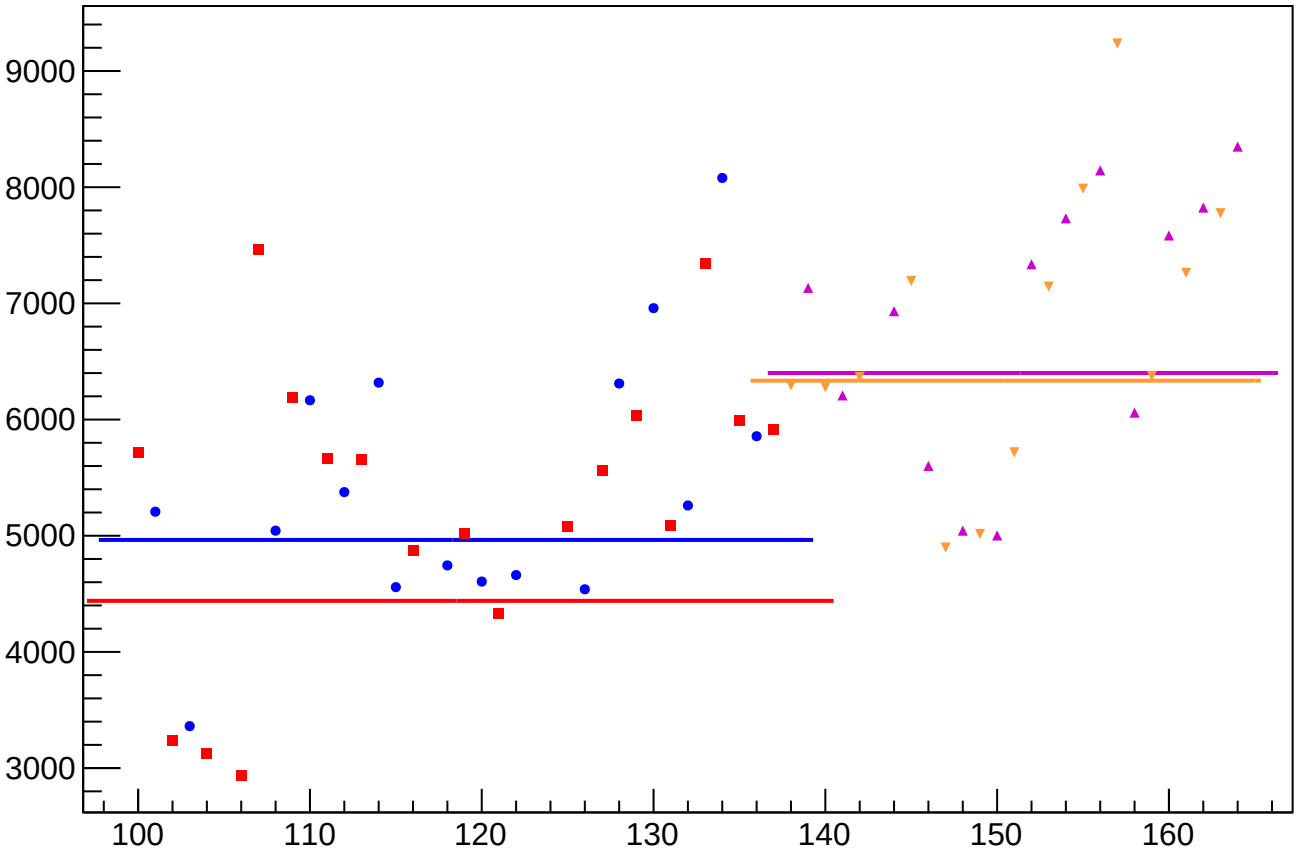
Left: 495.528+/-1405.716 χ^2/NDF: 28.6/25

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: 117.506+/-1365.755 χ^2/NDF:24.5/28

Out: -182.327+/-1302.939 χ^2/NDF:35.2/30

All: -39.464+/-942.742 χ^2/NDF: 59.7/59



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6334.844+/-1.420 χ^2/NDF:634944.8/12

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6400.872+/-1.392 χ^2/NDF:646045.4/12

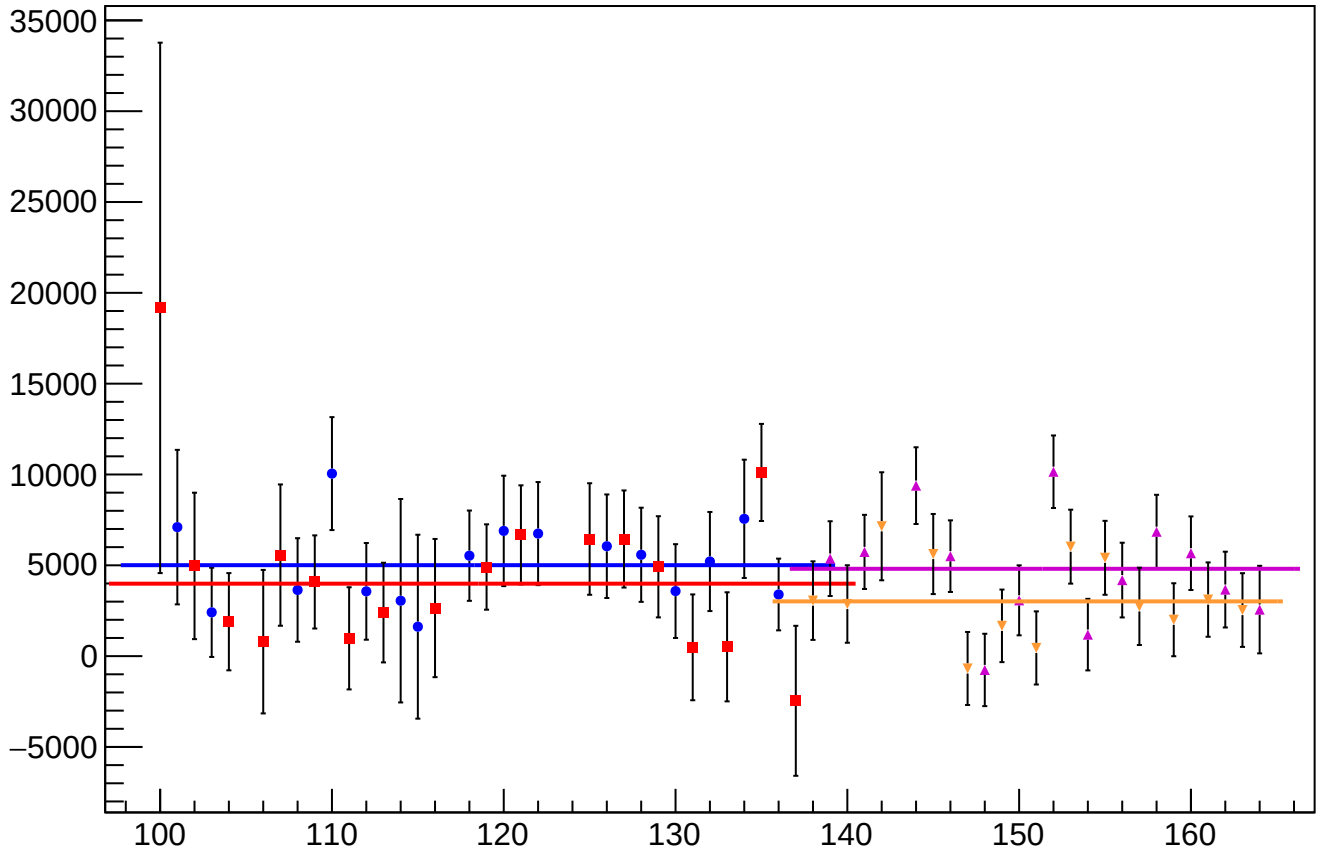
Left: 6368.497+/-0.994 χ^2/NDF: 1282093.0/25

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5655.295+/-0.966 χ^2/NDF:1826061.0/28

Out: 5238.005+/-0.921 χ^2/NDF:2825046.3/30

All: 5436.833+/-0.667 χ^2/NDF: 4748853.2/59



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3014.110+/-584.174 χ^2/NDF:12.7/12

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4808.141+/-566.889 χ^2/NDF:26.7/12

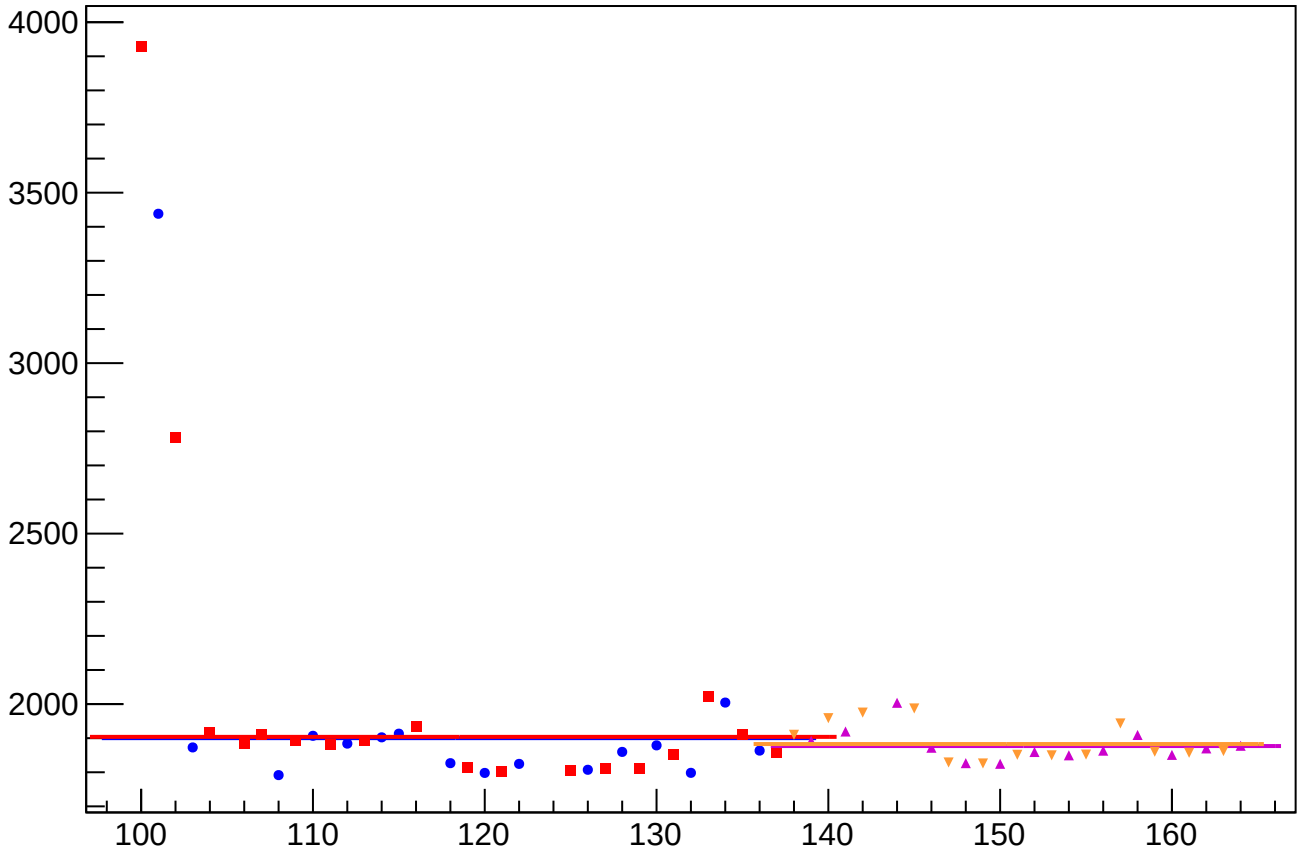
Left: 3938.059+/-406.825 χ^2/NDF: 44.3/25

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4885.142+/-443.985 χ^2/NDF:34.4/28

Out: 3401.822+/-453.396 χ^2/NDF:31.2/30

All: 4159.035+/-317.220 χ^2/NDF: 71.1/59


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
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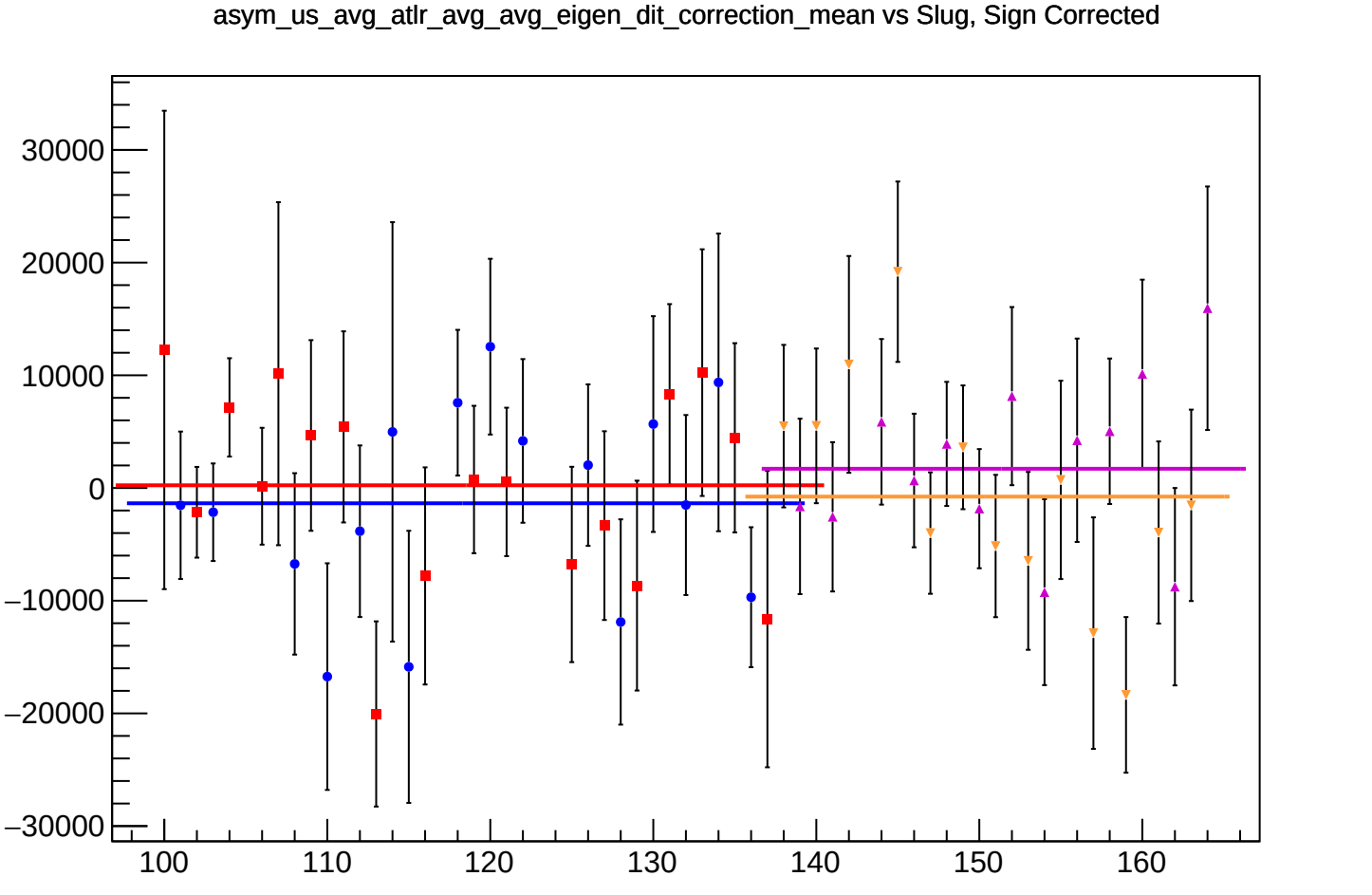
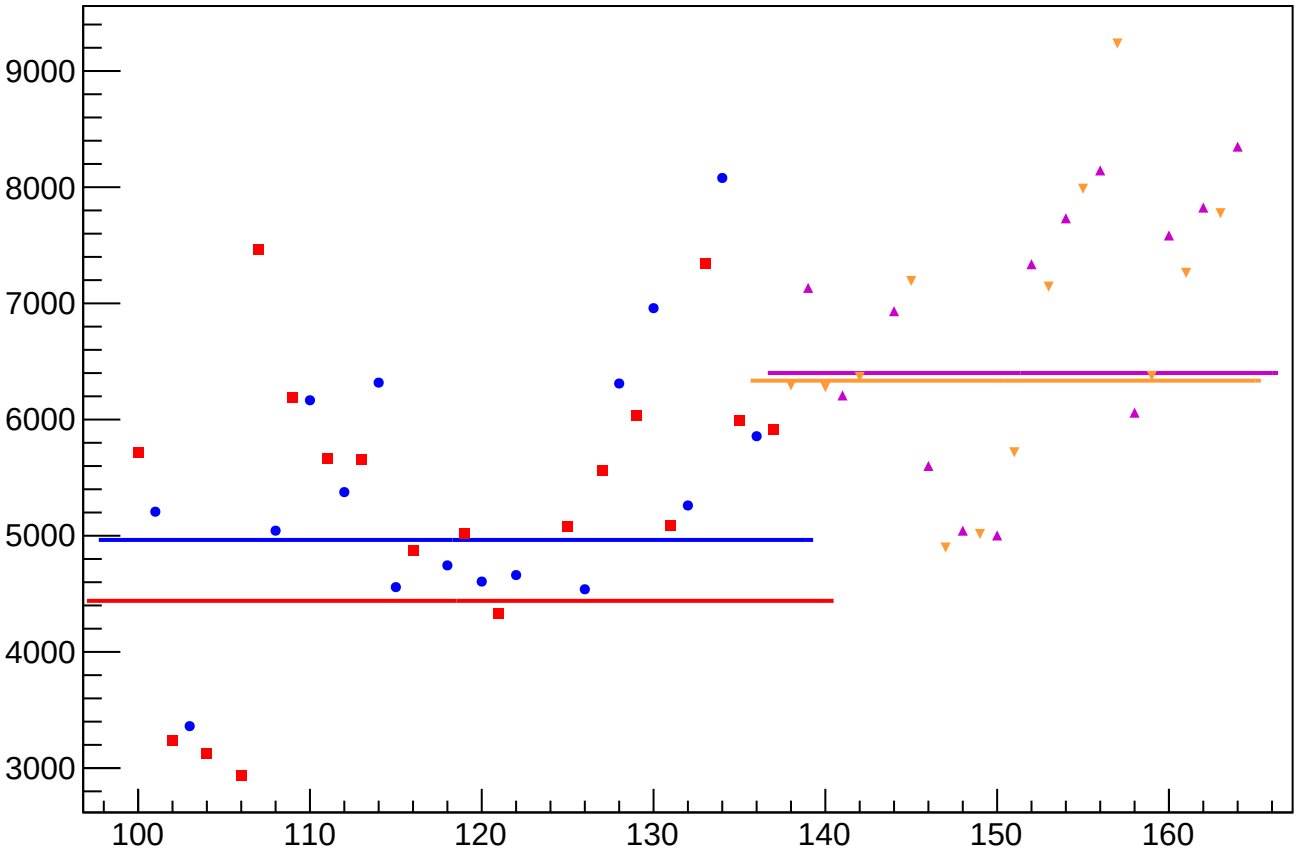
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1882.791+/-0.413 χ²/NDF:16188.4/12
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1876.896+/-0.401 χ²/NDF:12418.6/12
Left: 1879.755+/-0.288 χ²/NDF: 28711.9/25
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1885.871+/-0.314 χ²/NDF:292163.7/28
Out: 1891.166+/-0.320 χ²/NDF:167336.0/30
All: 1888.464+/-0.224 χ²/NDF: 459639.0/59


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: -764.162+/-2007.508 χ²/NDF:19.4/12
Right Out: 241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: 1707.372+/-1969.021 χ²/NDF:8.5/12
Left: 495.524+/-1405.718 χ²/NDF: 28.6/25
Right: -476.773+/-1270.924 χ²/NDF: 30.8/33
In: 117.505+/-1365.754 χ²/NDF:24.5/28
Out: -182.328+/-1302.938 χ²/NDF:35.2/30
All: -39.465+/-942.741 χ²/NDF: 59.7/59



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6334.853+/-1.420 χ^2/NDF:634946.8/12

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6400.881+/-1.392 χ^2/NDF:646046.9/12

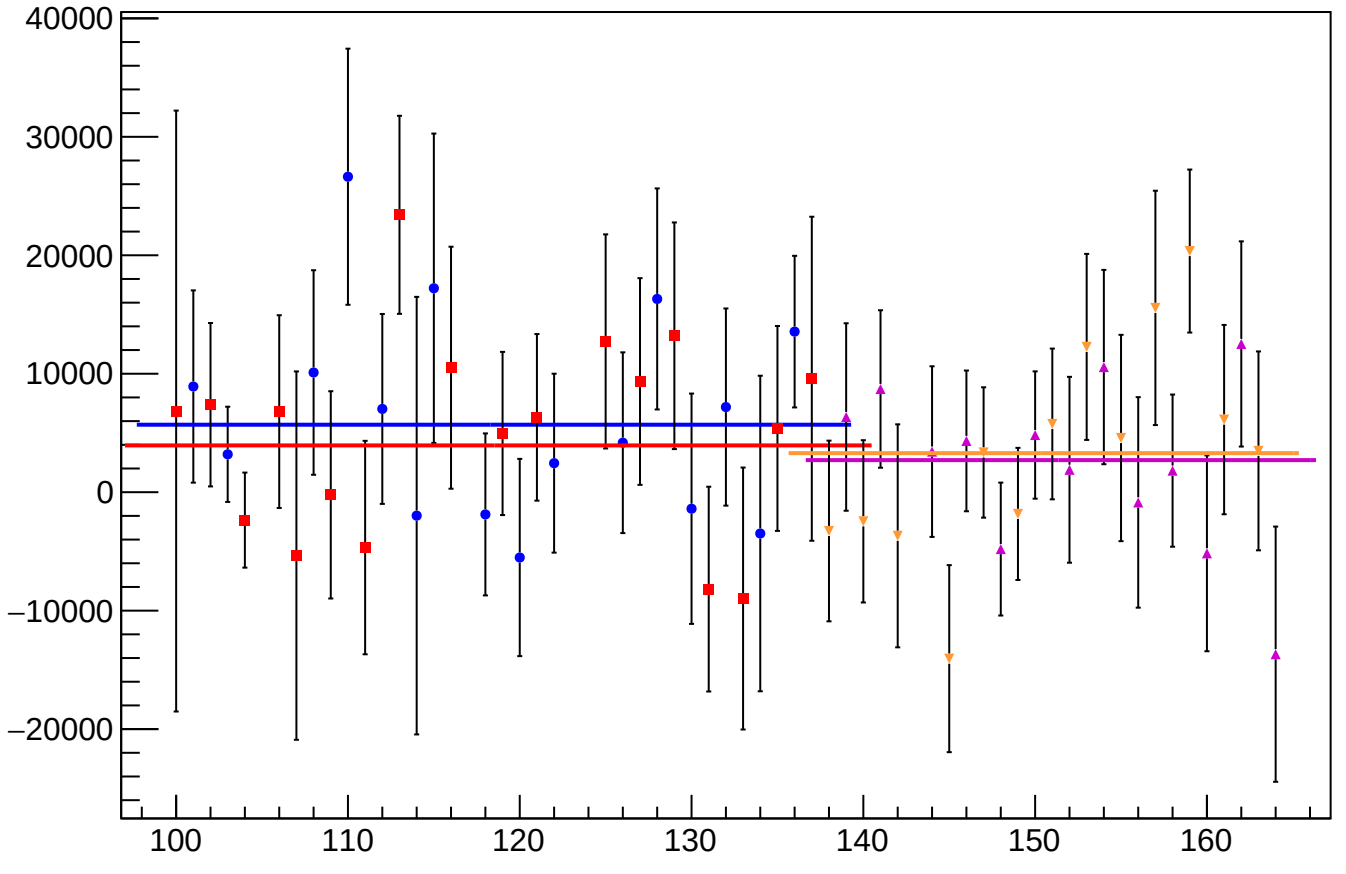
Left: 6368.506+/-0.994 χ^2/NDF: 1282096.4/25

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5655.290+/-0.966 χ^2/NDF:1826082.7/28

Out: 5237.998+/-0.921 χ^2/NDF:2825070.7/30

All: 5436.827+/-0.667 χ^2/NDF: 4748900.2/59



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 3296.564+/-2014.960 χ^2/NDF:17.0/12

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 2707.260+/-1971.754 χ^2/NDF:8.7/12

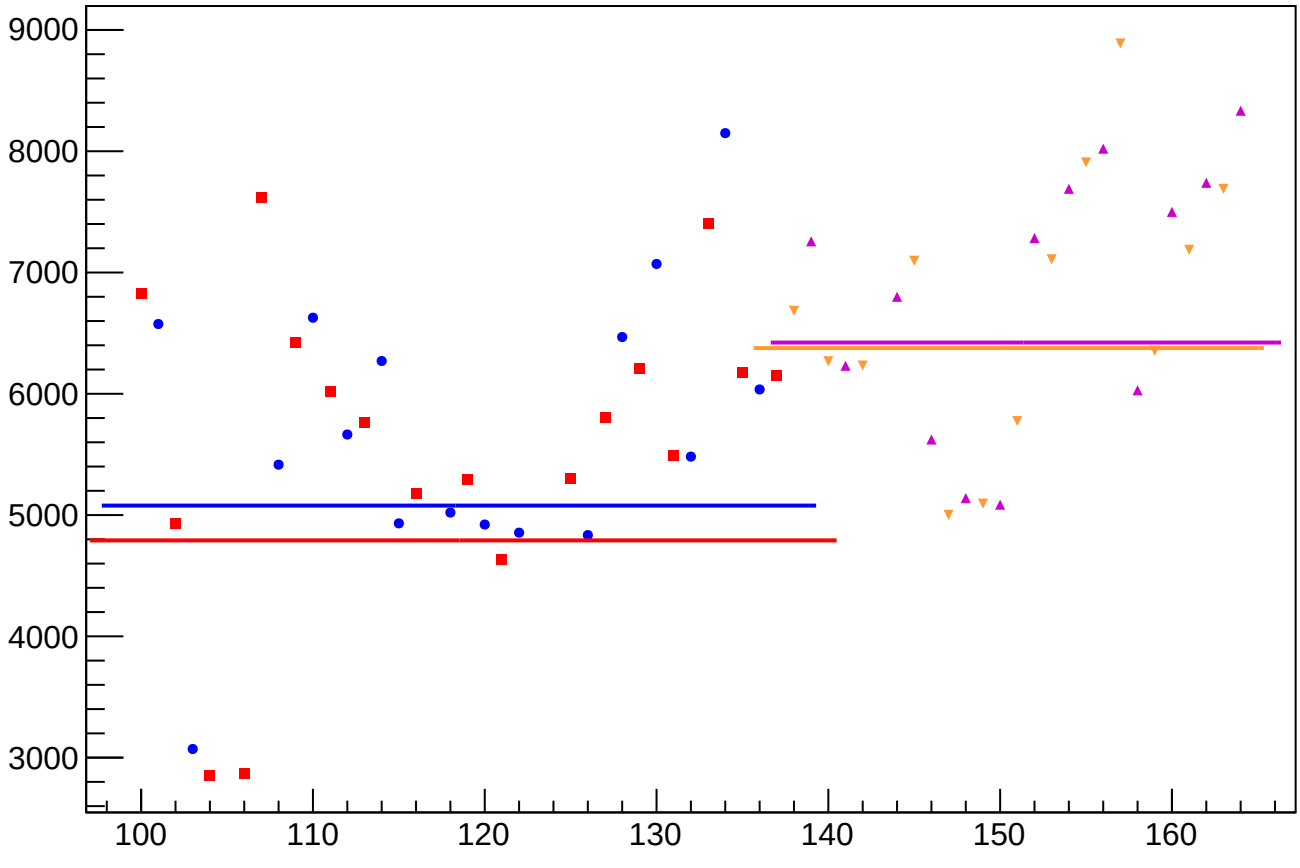
Left: 2995.526+/-1409.268 χ^2/NDF: 25.7/25

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4211.777+/-1389.786 χ^2/NDF:22.5/28

Out: 3638.626+/-1390.225 χ^2/NDF:33.1/30

All: 3925.292+/-982.882 χ^2/NDF: 55.7/59



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6376.809+/-1.425 χ^2/NDF:546931.1/12

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6422.542+/-1.394 χ^2/NDF:581287.8/12

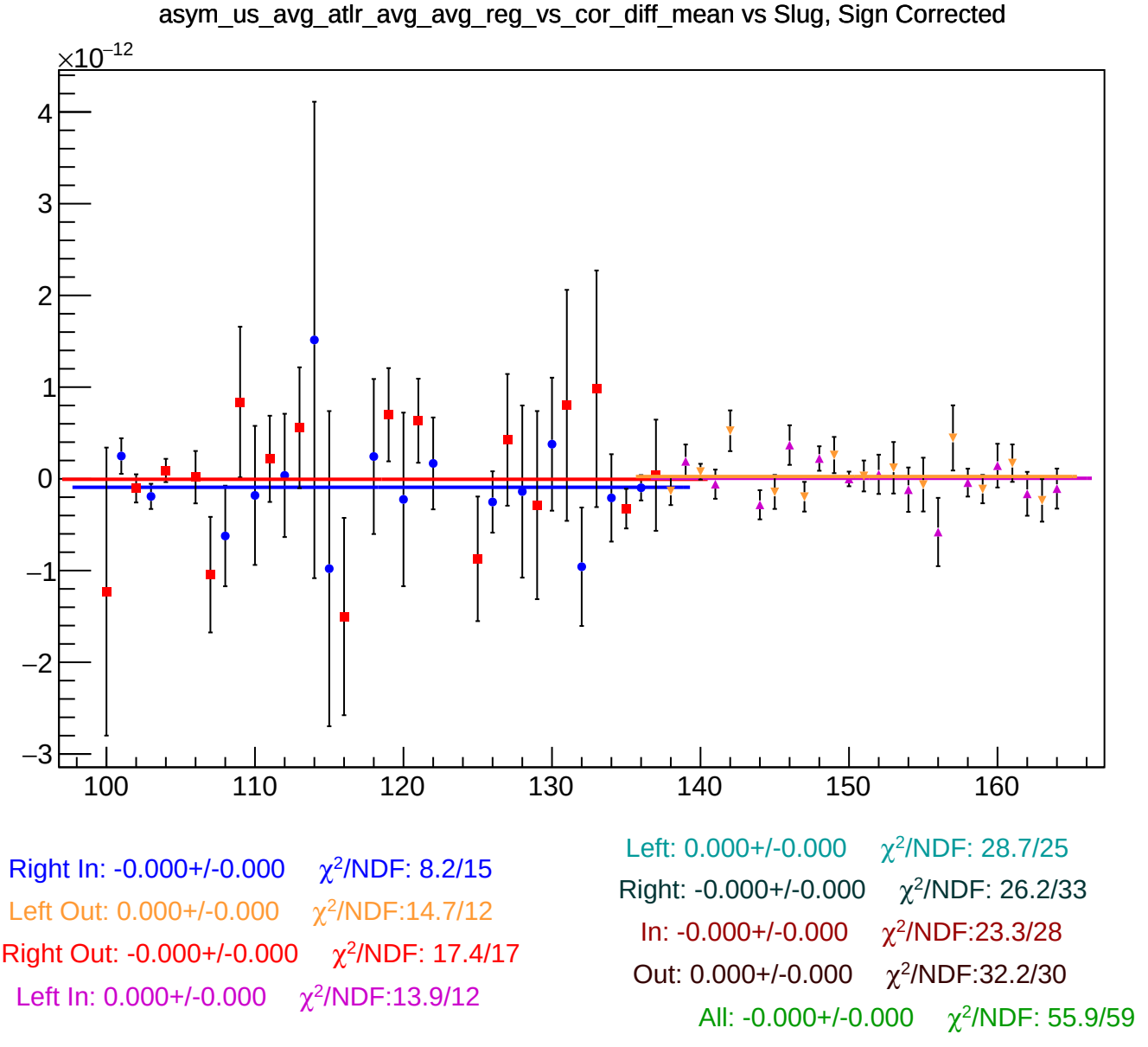
Left: 6400.171+/-0.997 χ^2/NDF: 1128745.2/25

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

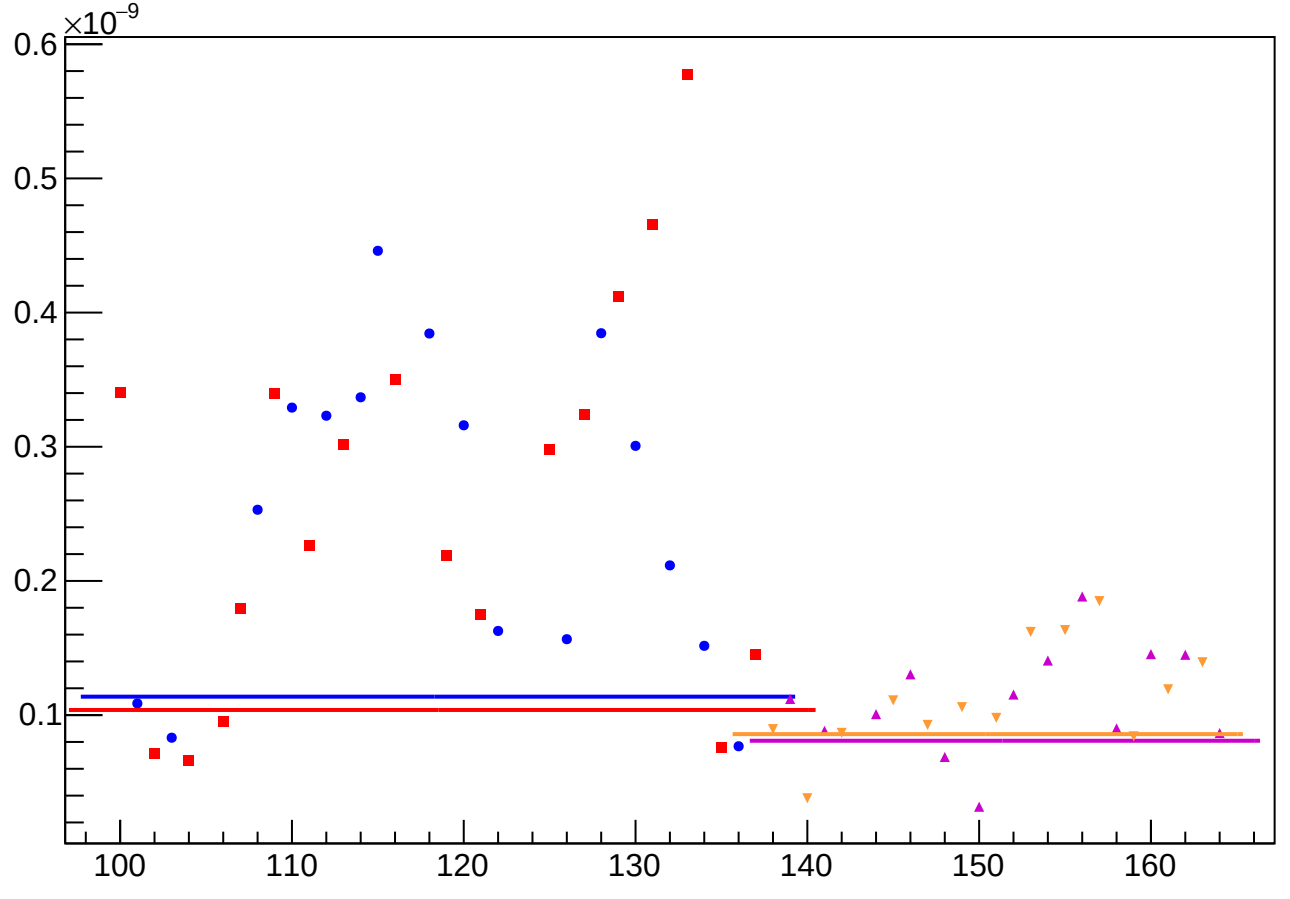
In: 5746.050+/-0.983 χ^2/NDF:1968352.2/28

Out: 5529.902+/-0.973 χ^2/NDF:2370904.4/30

All: 5636.848+/-0.691 χ^2/NDF: 4363697.7/59


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
160
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:14.7/12
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:13.9/12
Left: 0.000+/-0.000 χ²/NDF: 28.7/25
Right: -0.000+/-0.000 χ²/NDF: 26.2/33
In: -0.000+/-0.000 χ²/NDF:23.3/28
Out: 0.000+/-0.000 χ²/NDF:32.2/30
All: -0.000+/-0.000 χ²/NDF: 55.9/59

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1296932.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1612625.6/12

Left: 0.000+/-0.000 χ^2/NDF: 2920857.8/25

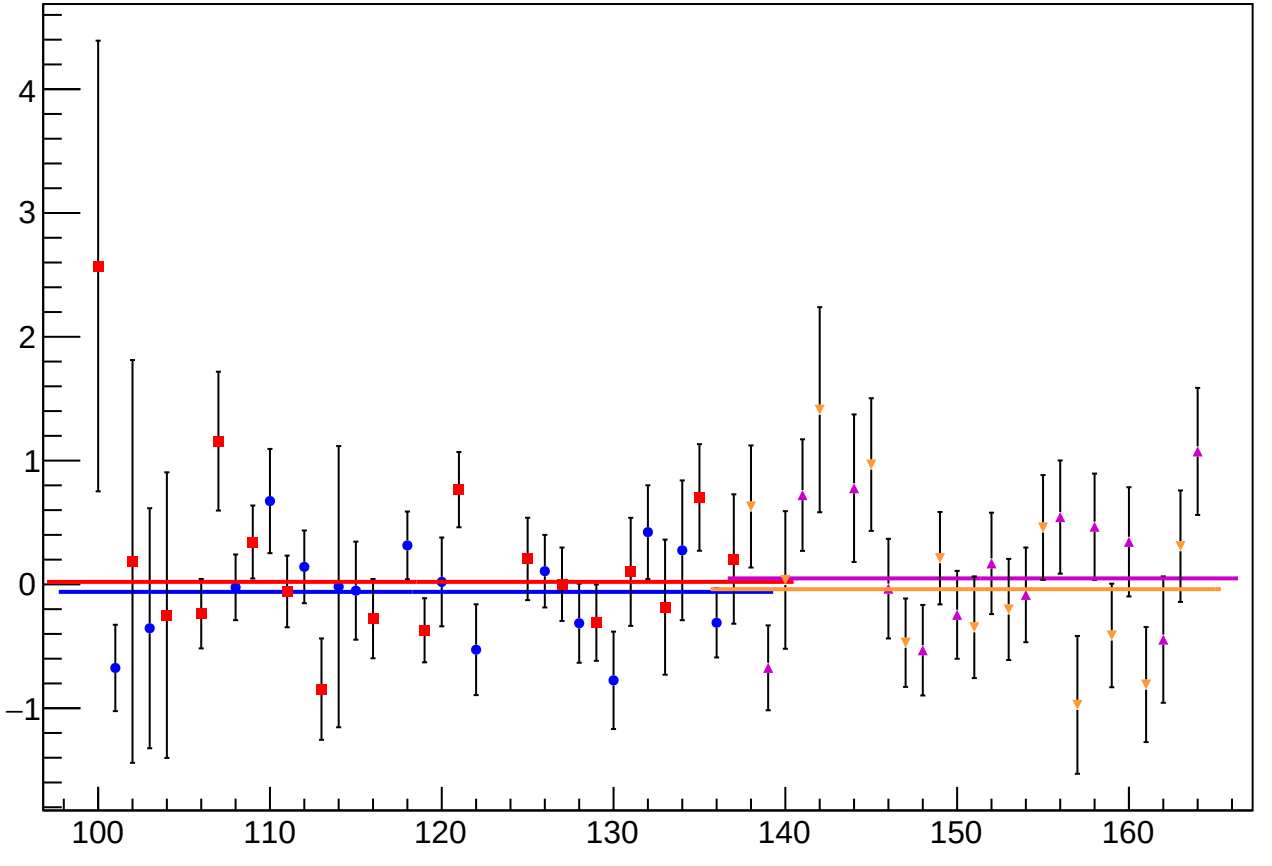
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3403892.9/28

Out: 0.000+/-0.000 χ^2/NDF:3463494.8/30

All: 0.000+/-0.000 χ^2/NDF: 6868972.0/59

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: -0.039+/-0.126 χ^2/NDF:19.4/12

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.049+/-0.117 χ^2/NDF:19.1/12

Left: 0.008+/-0.085 χ^2/NDF: 38.8/25

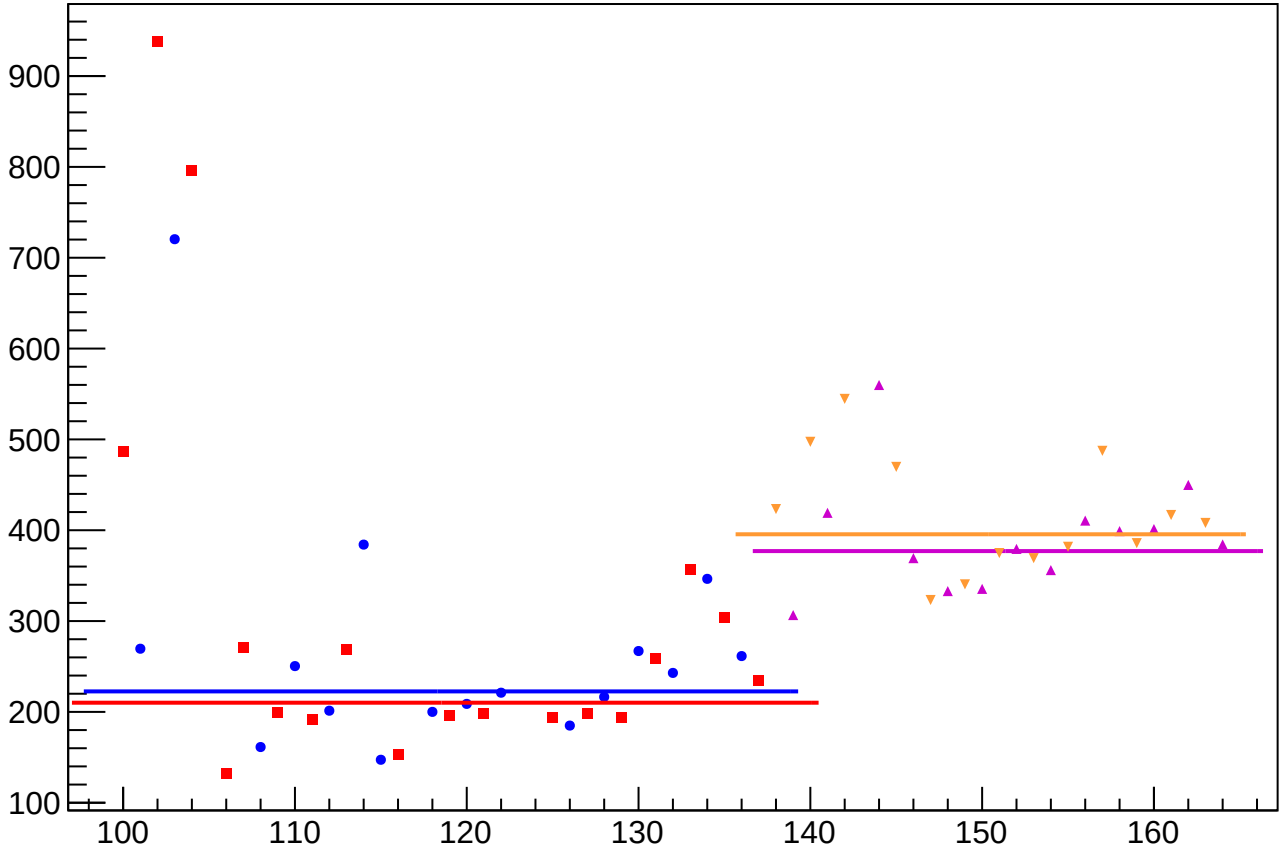
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.020+/-0.071 χ^2/NDF:37.0/28

Out: 0.001+/-0.072 χ^2/NDF:45.7/30

All: -0.010+/-0.050 χ^2/NDF: 82.7/59

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: 395.551+/-0.089 χ^2/NDF:379022.7/12

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 377.044+/-0.082 χ^2/NDF:416680.4/12

Left: 385.602+/-0.060 χ^2/NDF: 819024.4/25

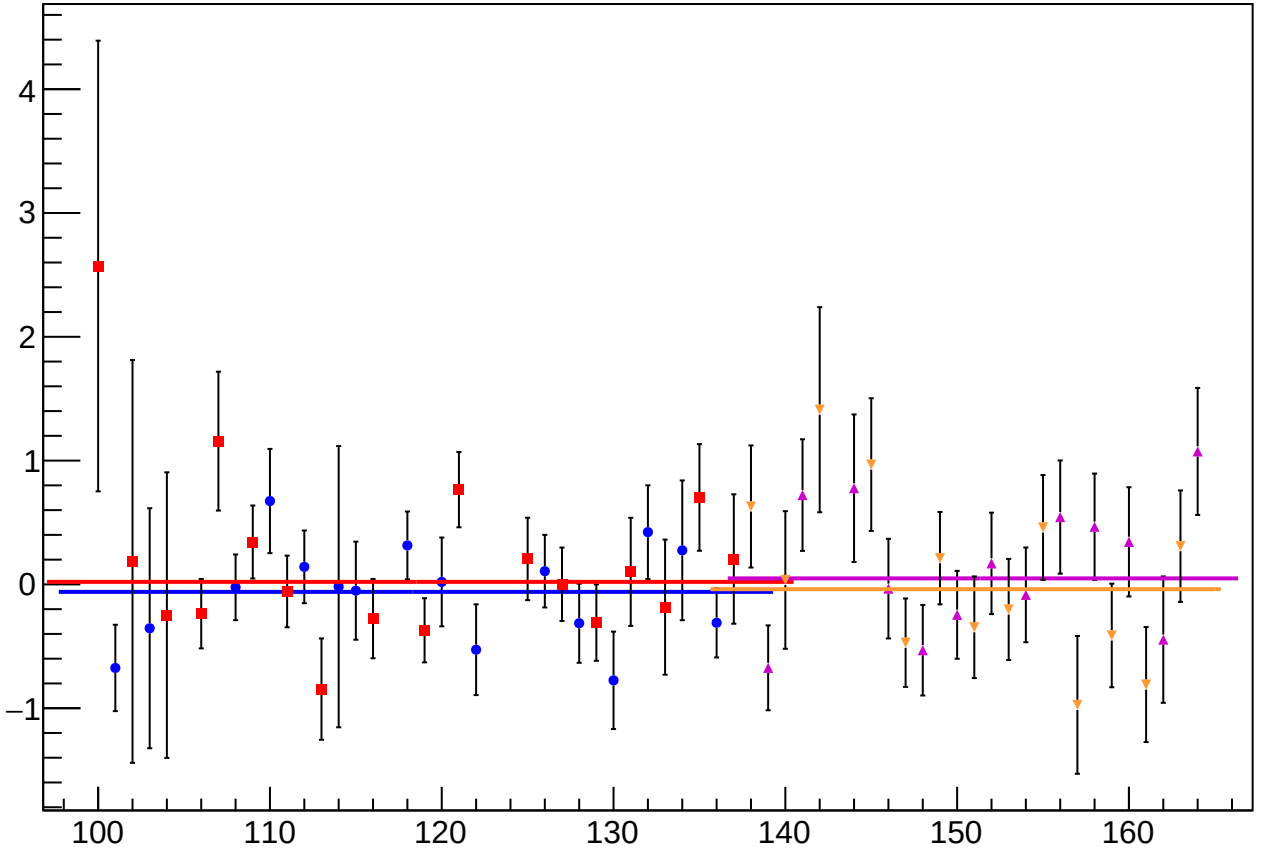
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 279.192+/-0.050 χ^2/NDF:3661050.7/28

Out: 270.605+/-0.051 χ^2/NDF:4861945.7/30

All: 274.971+/-0.036 χ^2/NDF: 8537553.9/59

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: -0.039+/-0.126 χ^2/NDF:19.4/12

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.049+/-0.117 χ^2/NDF:19.1/12

Left: 0.008+/-0.085 χ^2/NDF: 38.8/25

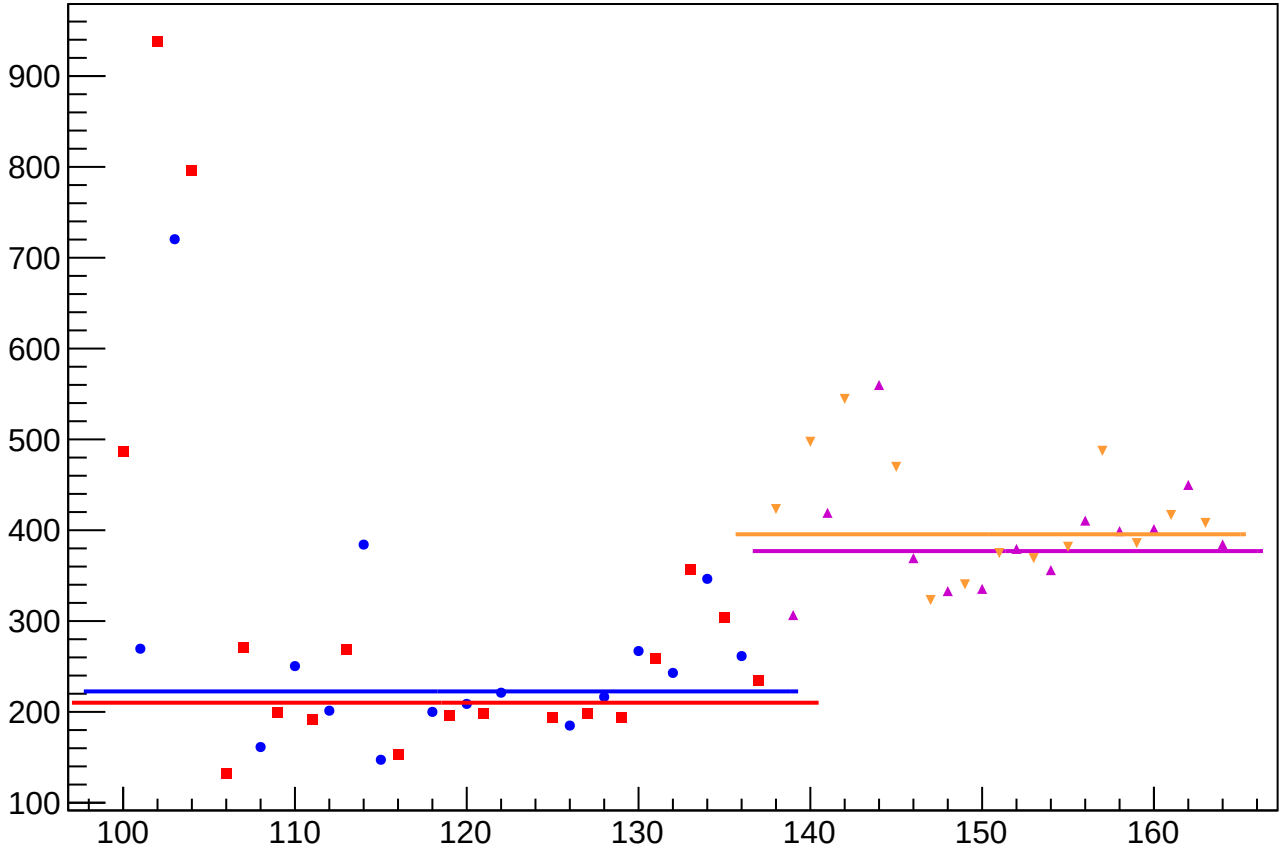
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.020+/-0.071 χ^2/NDF:37.0/28

Out: 0.001+/-0.072 χ^2/NDF:45.7/30

All: -0.010+/-0.050 χ^2/NDF: 82.7/59

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: 395.551+/-0.089 χ^2/NDF:379022.7/12

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 377.044+/-0.082 χ^2/NDF:416680.4/12

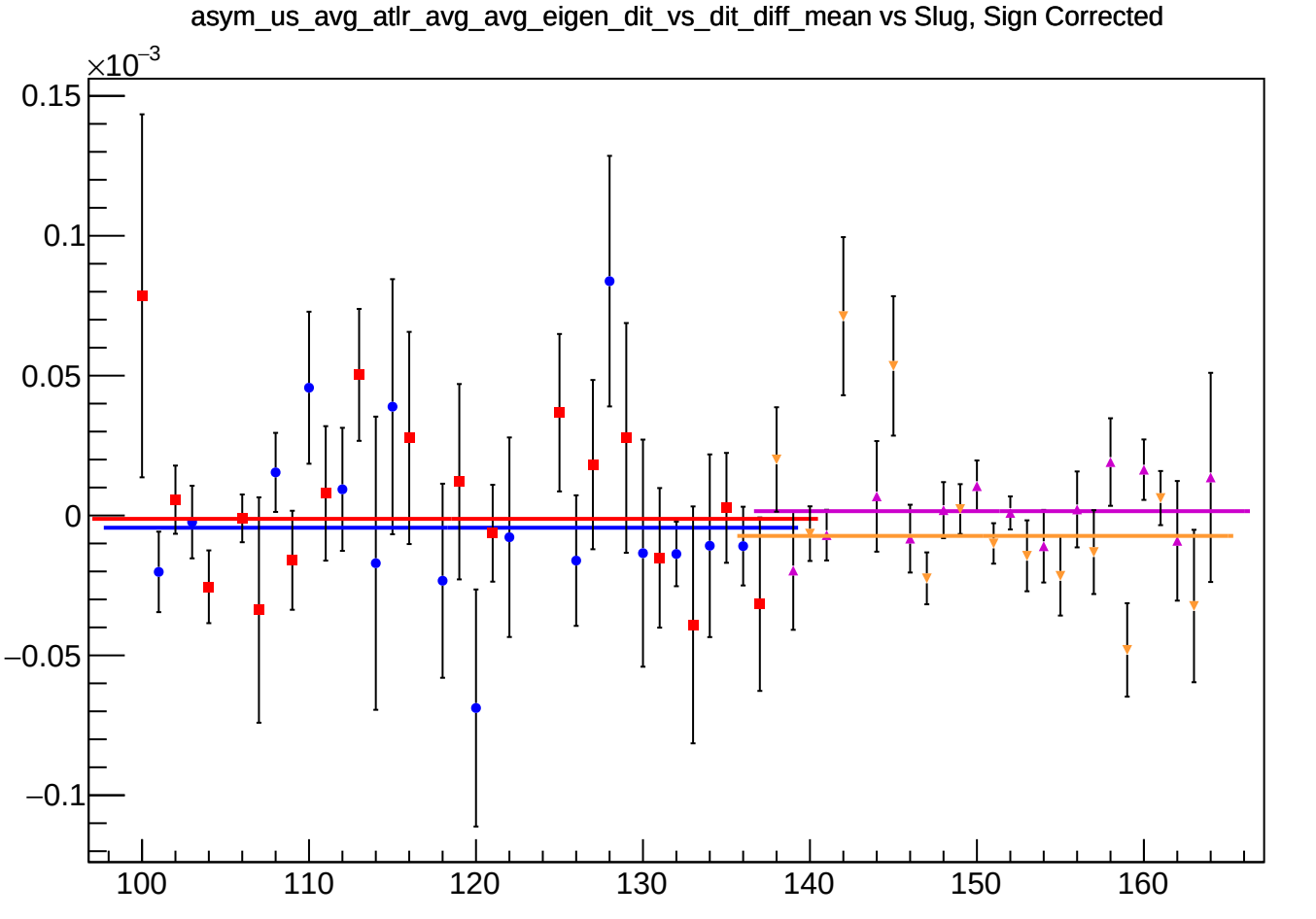
Left: 385.602+/-0.060 χ^2/NDF: 819024.4/25

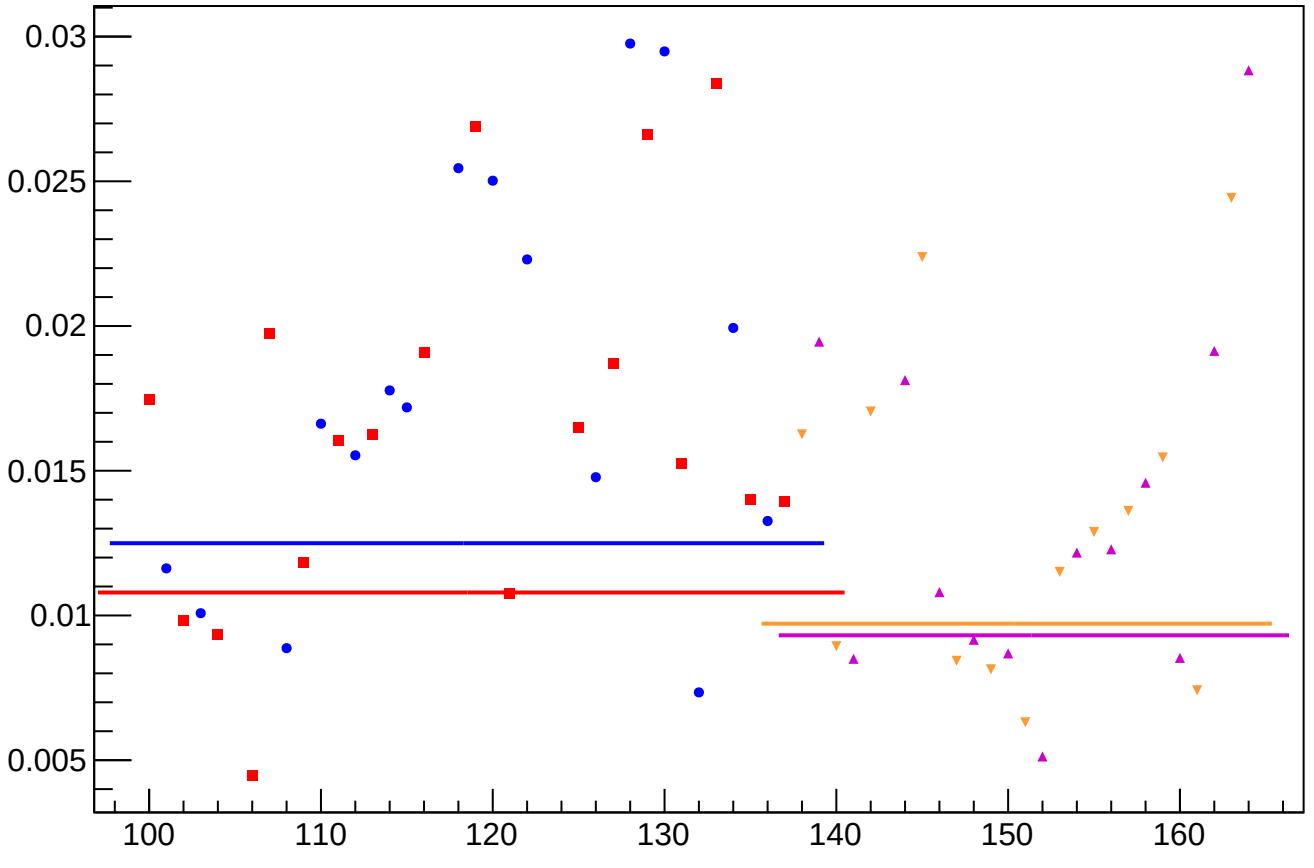
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 279.192+/-0.050 χ^2/NDF:3661050.7/28

Out: 270.605+/-0.051 χ^2/NDF:4861945.7/30

All: 274.971+/-0.036 χ^2/NDF: 8537553.9/59


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
160
Right In: -0.000+/-0.000 χ²/NDF: 15.6/15
Left Out: -0.000+/-0.000 χ²/NDF:30.0/12
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: 0.000+/-0.000 χ²/NDF:8.0/12
Left: -0.000+/-0.000 χ²/NDF: 41.8/25
Right: -0.000+/-0.000 χ²/NDF: 33.1/33
In: -0.000+/-0.000 χ²/NDF:24.6/28
Out: -0.000+/-0.000 χ²/NDF:48.4/30
All: -0.000+/-0.000 χ²/NDF: 74.9/59



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:2661915.5/12

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:3315066.7/12

Left: 0.010+/-0.000 χ^2/NDF: 5992591.0/25

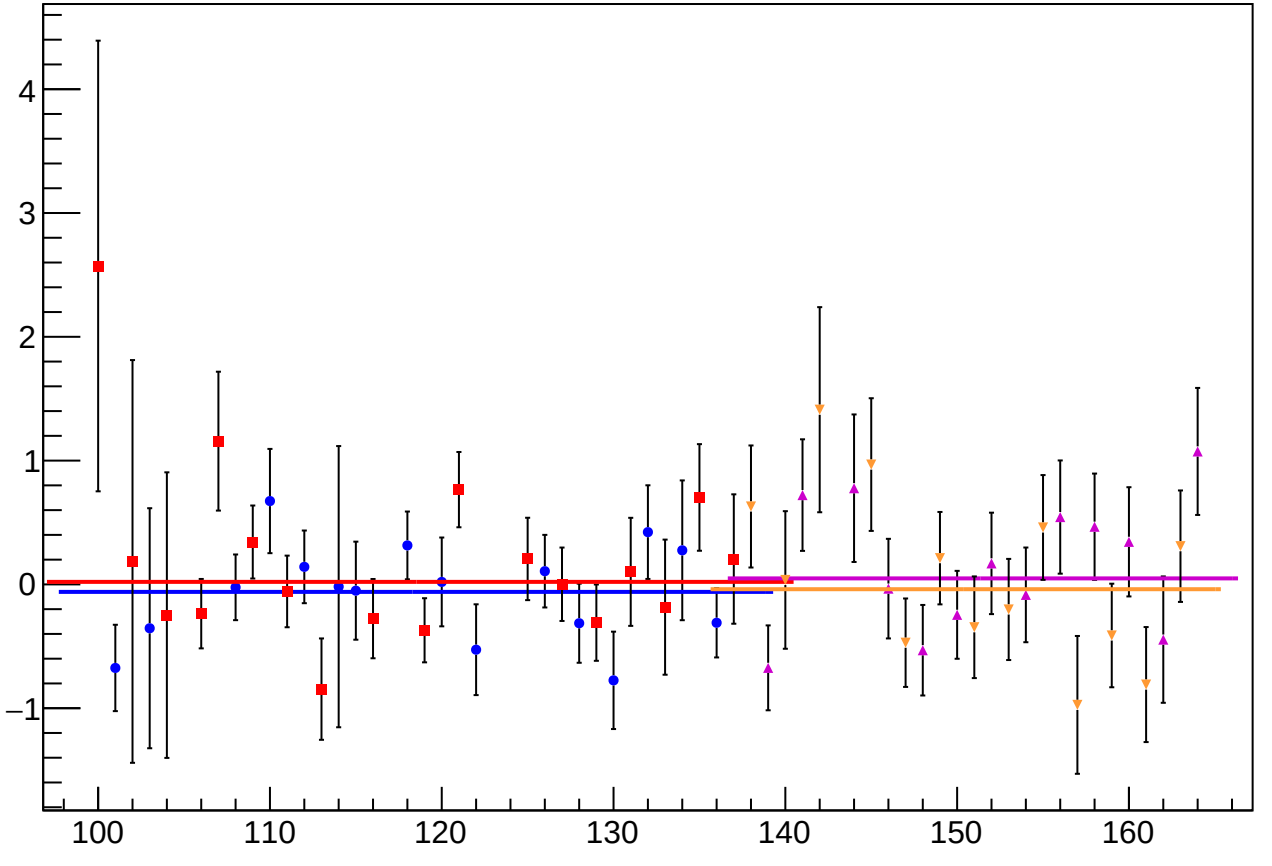
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.010+/-0.000 χ^2/NDF:5996785.5/28

Out: 0.010+/-0.000 χ^2/NDF:5721988.4/30

All: 0.010+/-0.000 χ^2/NDF: 11720350.5/59

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: -0.039+/-0.126 χ^2/NDF:19.4/12

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.049+/-0.117 χ^2/NDF:19.1/12

Left: 0.008+/-0.085 χ^2/NDF: 38.8/25

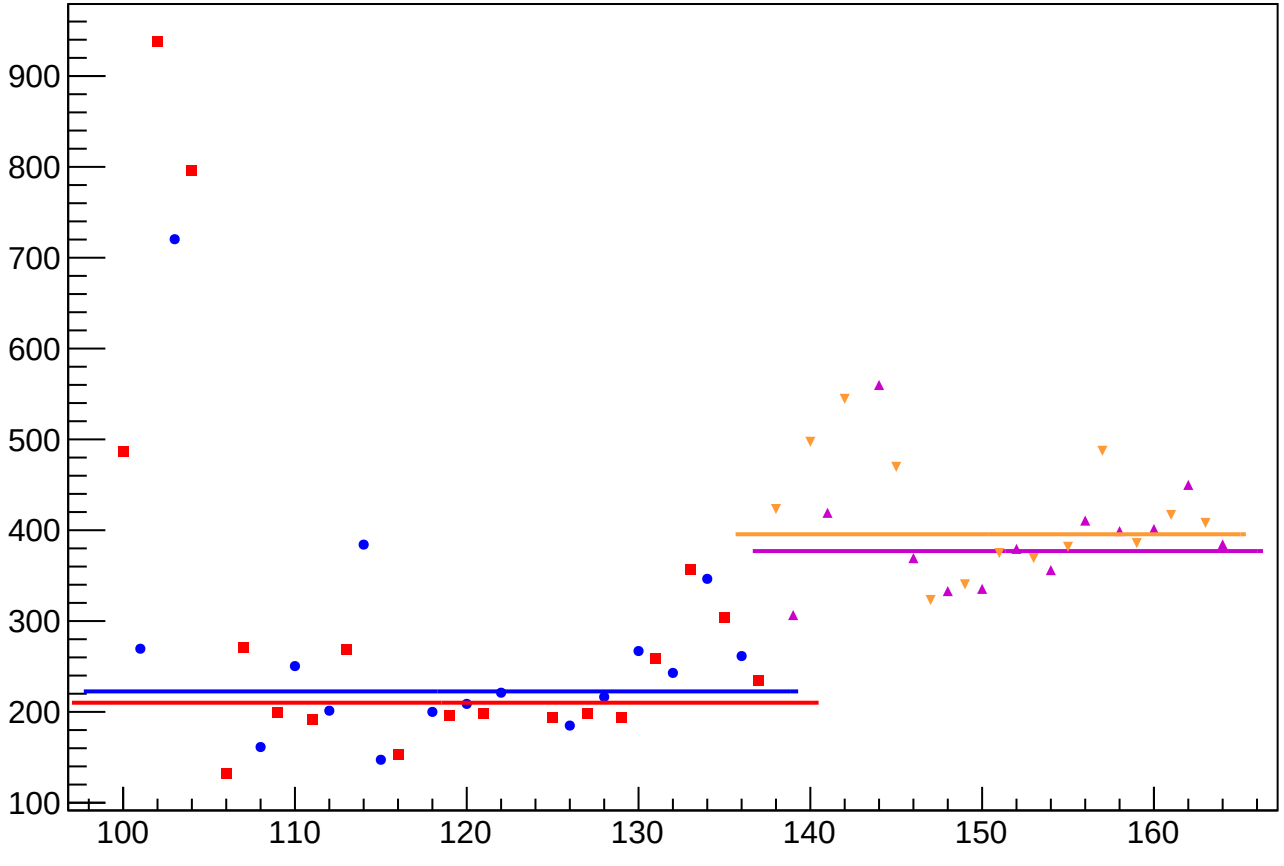
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.020+/-0.071 χ^2/NDF:37.0/28

Out: 0.001+/-0.072 χ^2/NDF:45.7/30

All: -0.010+/-0.050 χ^2/NDF: 82.7/59

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: 395.557+/-0.089 χ^2/NDF:379028.0/12

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 377.050+/-0.082 χ^2/NDF:416679.3/12

Left: 385.608+/-0.060 χ^2/NDF: 819027.8/25

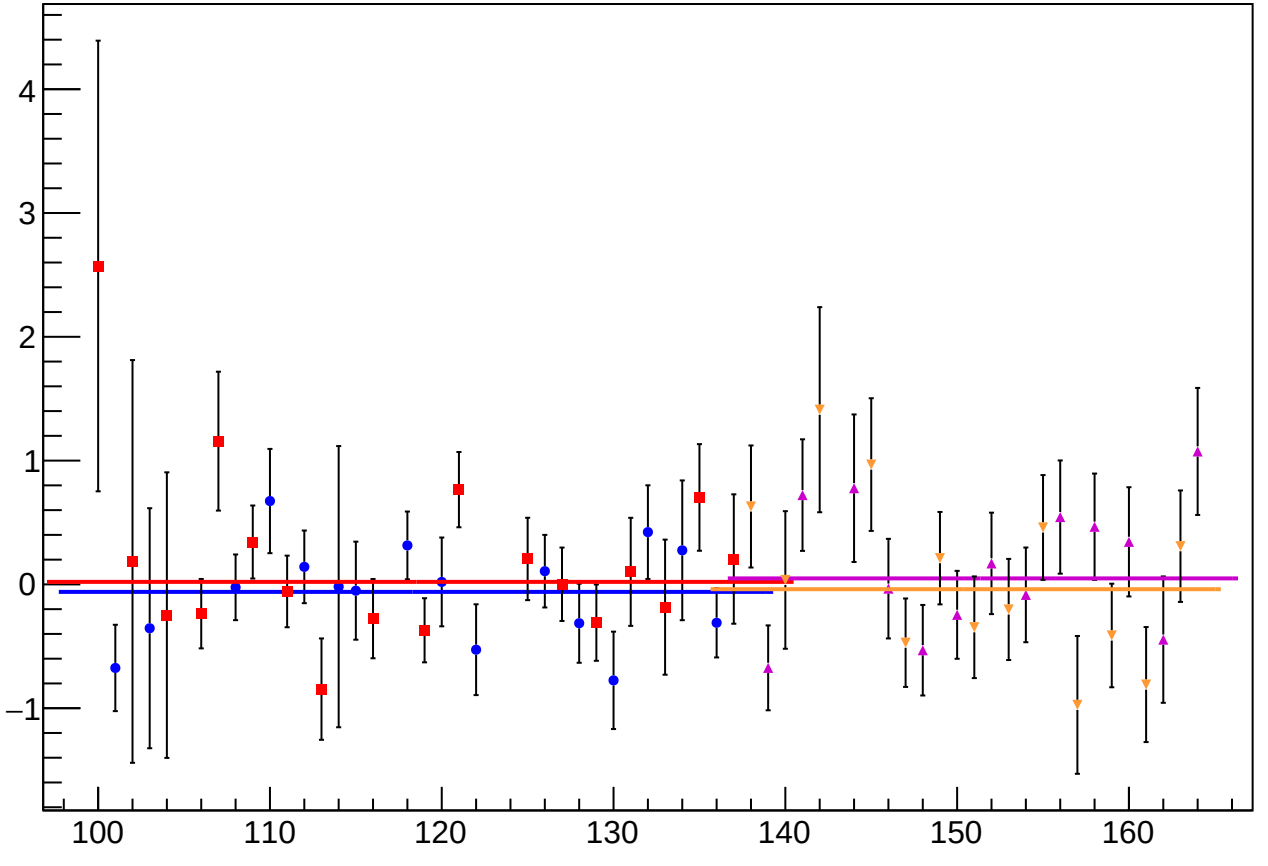
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 279.191+/-0.050 χ^2/NDF:3661231.4/28

Out: 270.603+/-0.051 χ^2/NDF:4862172.4/30

All: 274.970+/-0.036 χ^2/NDF: 8537966.2/59

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: -0.039+/-0.126 χ^2/NDF:19.4/12

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: 0.049+/-0.117 χ^2/NDF:19.1/12

Left: 0.008+/-0.085 χ^2/NDF: 38.8/25

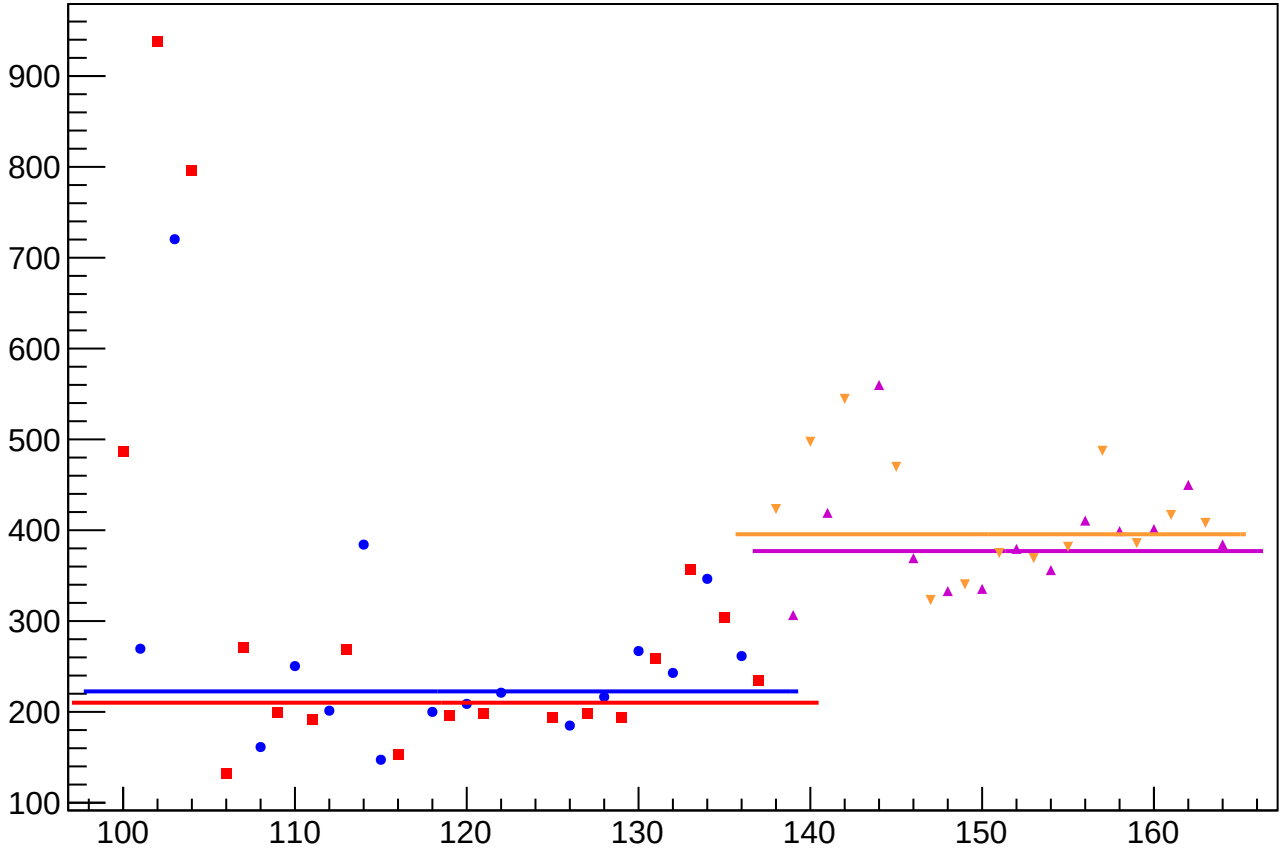
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.020+/-0.071 χ^2/NDF:37.0/28

Out: 0.001+/-0.072 χ^2/NDF:45.7/30

All: -0.010+/-0.050 χ^2/NDF: 82.7/59

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: 395.557+/-0.089 χ^2/NDF:379028.0/12

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 377.050+/-0.082 χ^2/NDF:416679.3/12

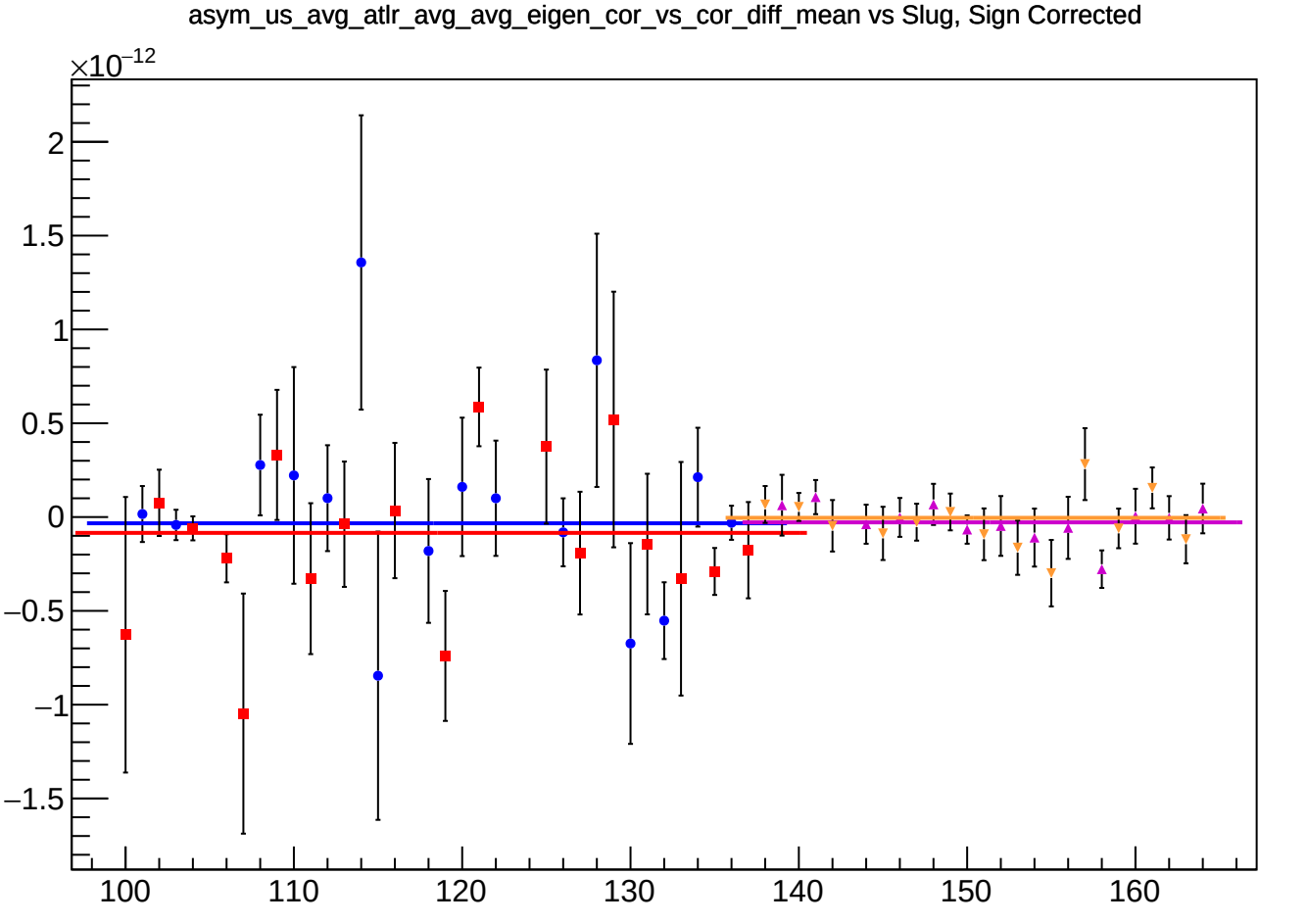
Left: 385.608+/-0.060 χ^2/NDF: 819027.8/25

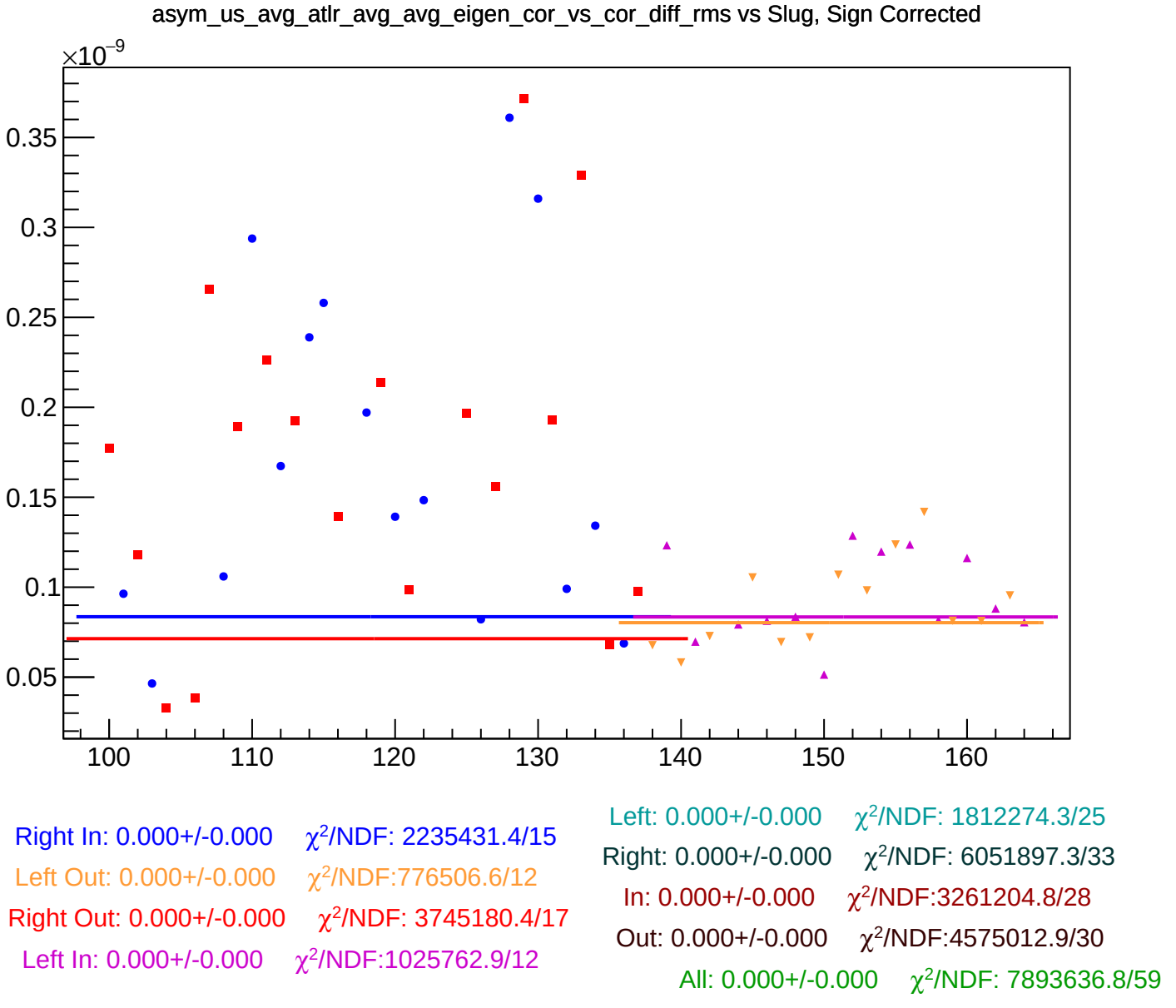
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

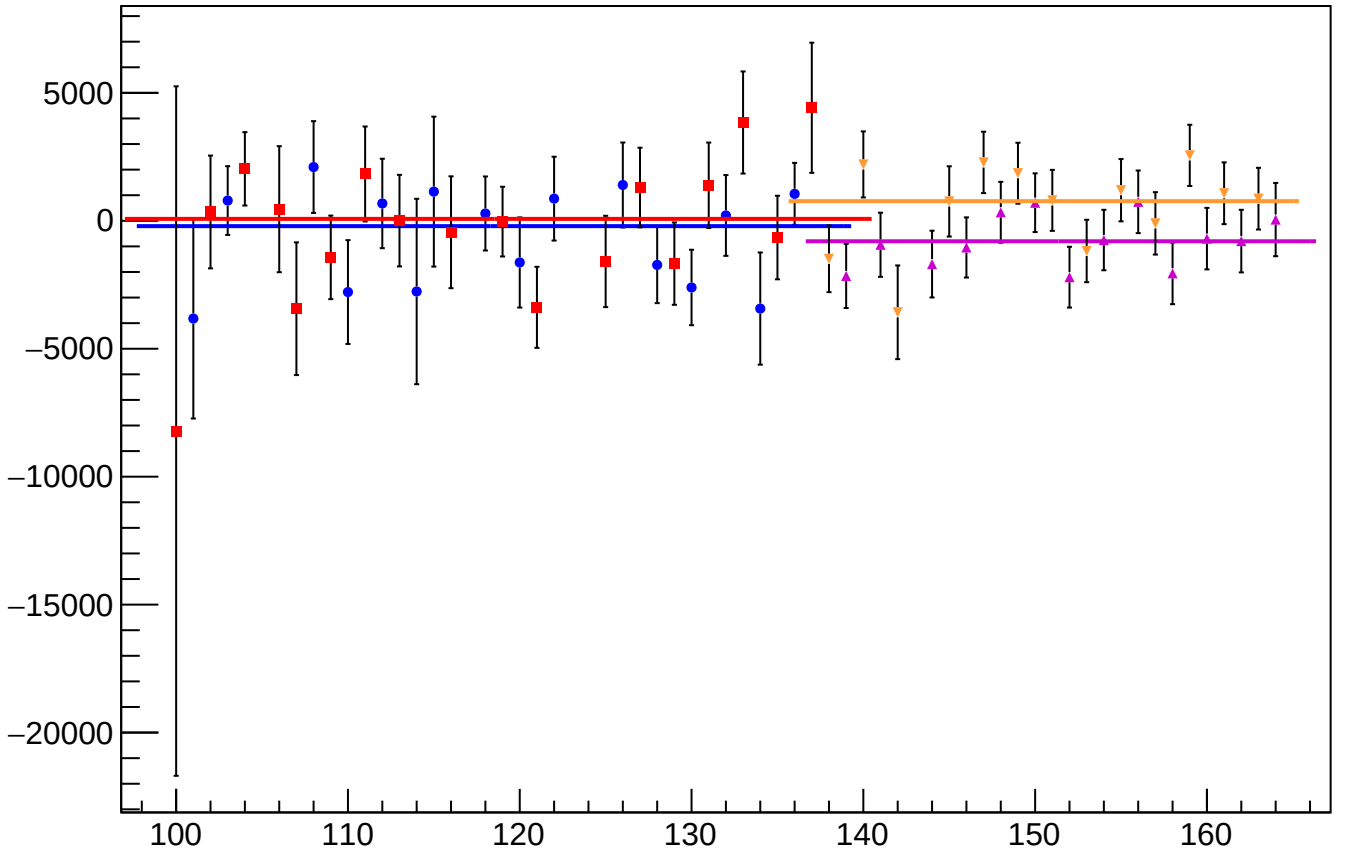
In: 279.191+/-0.050 χ^2/NDF:3661231.4/28

Out: 270.603+/-0.051 χ^2/NDF:4862172.4/30

All: 274.970+/-0.036 χ^2/NDF: 8537966.2/59


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: -0.000+/-0.000 χ²/NDF:11.6/12
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: -0.000+/-0.000 χ²/NDF:10.6/12
Left: -0.000+/-0.000 χ²/NDF: 22.4/25
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:27.8/28
Out: -0.000+/-0.000 χ²/NDF:39.6/30
All: -0.000+/-0.000 χ²/NDF: 67.4/59


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:776506.6/12
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1025762.9/12
Left: 0.000+/-0.000 χ²/NDF: 1812274.3/25
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:3261204.8/28
Out: 0.000+/-0.000 χ²/NDF:4575012.9/30
All: 0.000+/-0.000 χ²/NDF: 7893636.8/59



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 768.126+/-348.907 χ^2/NDF:17.8/12

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -800.104+/-339.451 χ^2/NDF:8.7/12

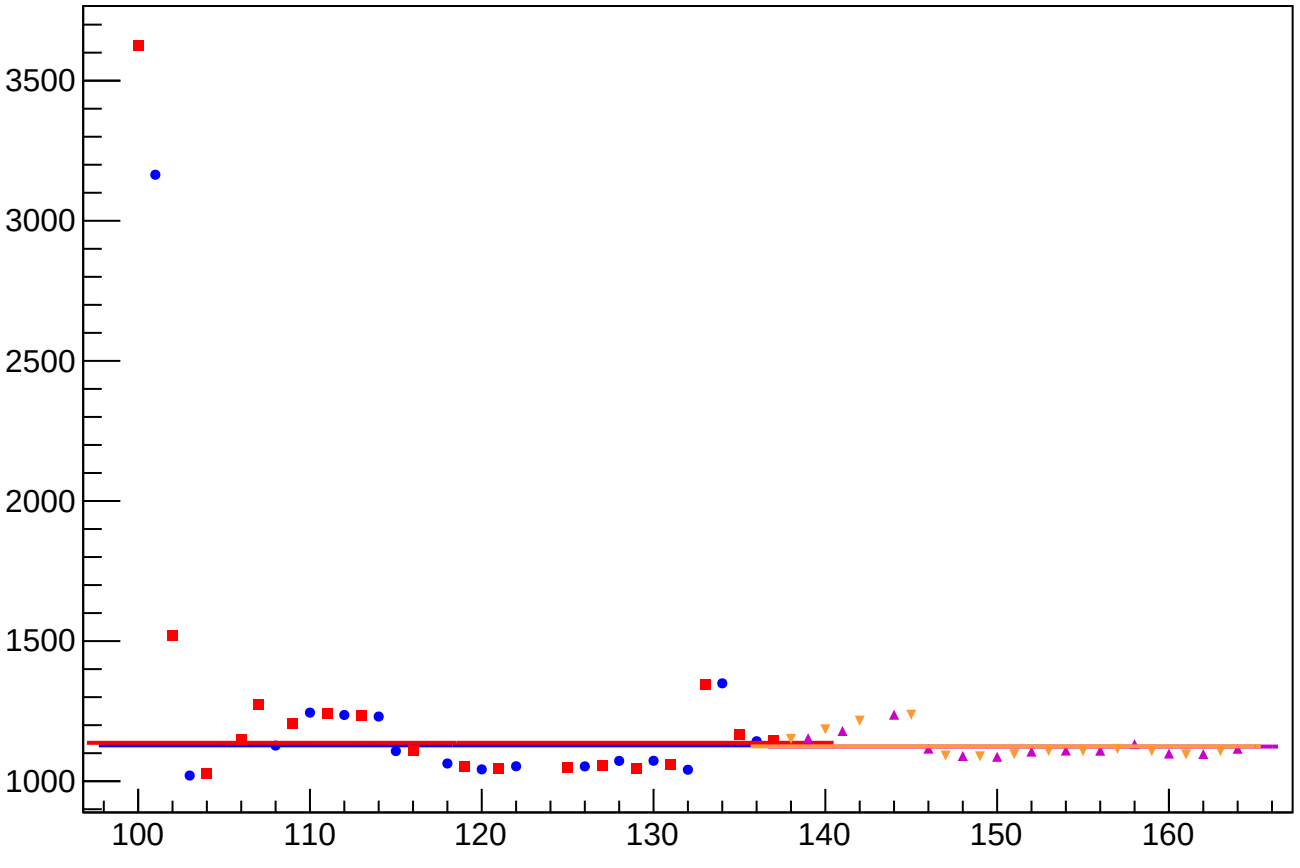
Left: -37.528+/-243.303 χ^2/NDF: 36.9/25

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -572.358+/-266.235 χ^2/NDF:24.7/28

Out: 493.781+/-271.126 χ^2/NDF:40.0/30

All: -48.992+/-189.962 χ^2/NDF: 72.5/59



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1124.269+/-0.247 χ^2/NDF:30952.1/12

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1123.602+/-0.240 χ^2/NDF:26942.1/12

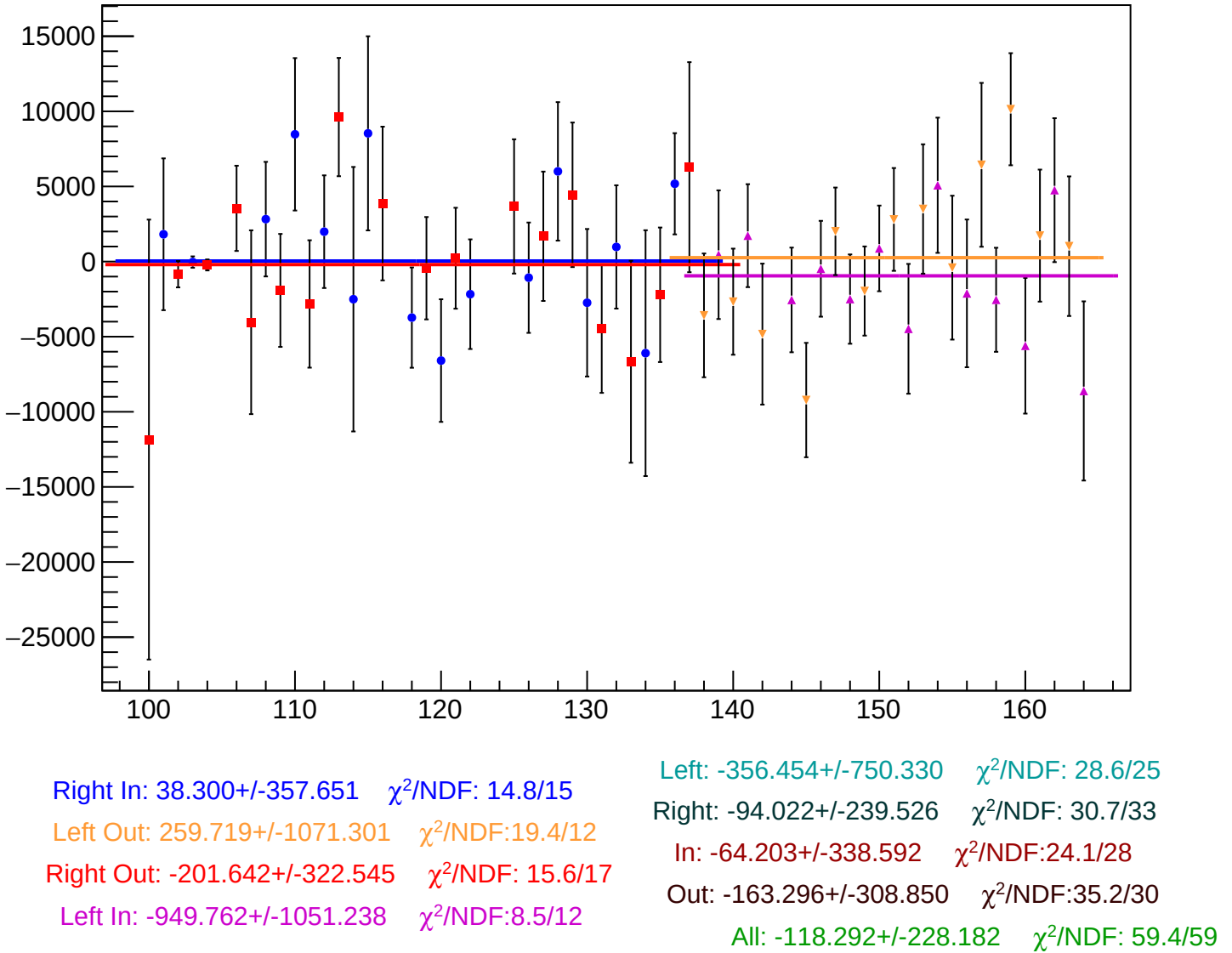
Left: 1123.927+/-0.172 χ^2/NDF: 57897.9/25

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

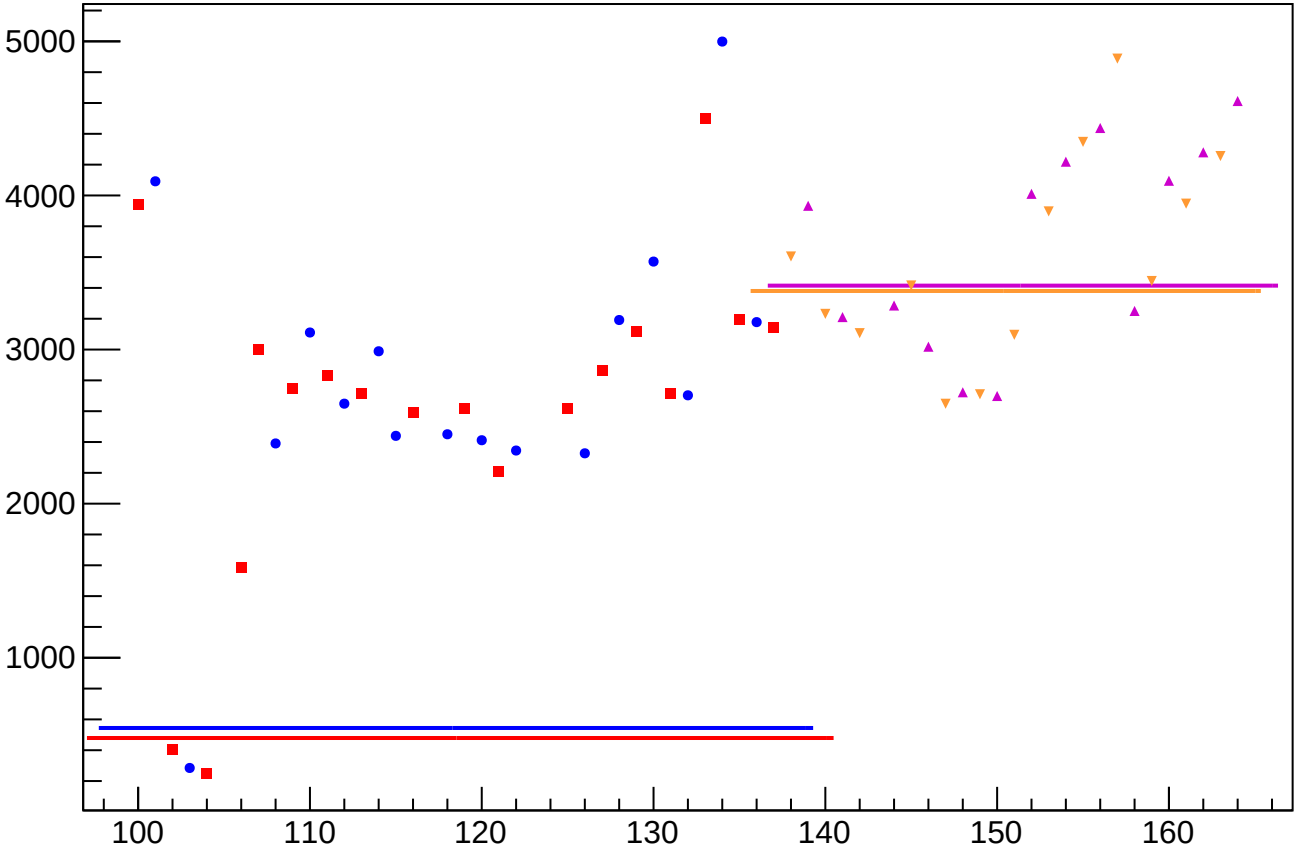
In: 1125.298+/-0.188 χ^2/NDF:648466.3/28

Out: 1129.340+/-0.192 χ^2/NDF:252102.2/30

All: 1127.284+/-0.134 χ^2/NDF: 900795.0/59


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: 259.719+/-1071.301 χ²/NDF:19.4/12
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -949.762+/-1051.238 χ²/NDF:8.5/12
Left: -356.454+/-750.330 χ²/NDF: 28.6/25
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -64.203+/-338.592 χ²/NDF:24.1/28
Out: -163.296+/-308.850 χ²/NDF:35.2/30
All: -118.292+/-228.182 χ²/NDF: 59.4/59

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: 3380.126+/-0.758 χ^2/NDF:626615.6/12

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3414.833+/-0.743 χ^2/NDF:688819.9/12

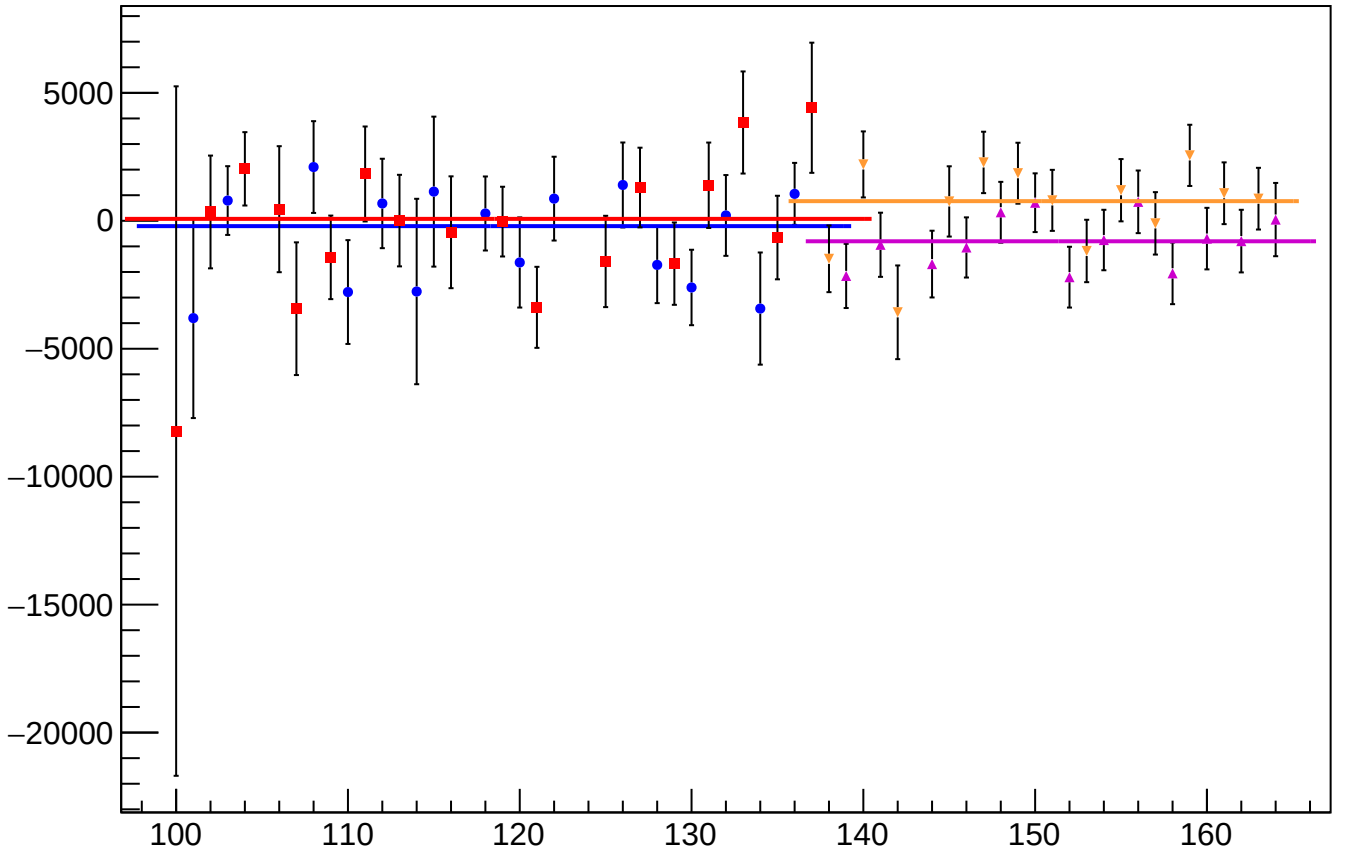
Left: 3397.808+/-0.531 χ^2/NDF: 1316505.0/25

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 842.125+/-0.239 χ^2/NDF:23737005.5/28

Out: 720.355+/-0.218 χ^2/NDF:23260197.4/30

All: 775.658+/-0.161 χ^2/NDF: 47138398.2/59



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 768.161+/-348.907 χ^2/NDF:17.8/12

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -800.130+/-339.451 χ^2/NDF:8.7/12

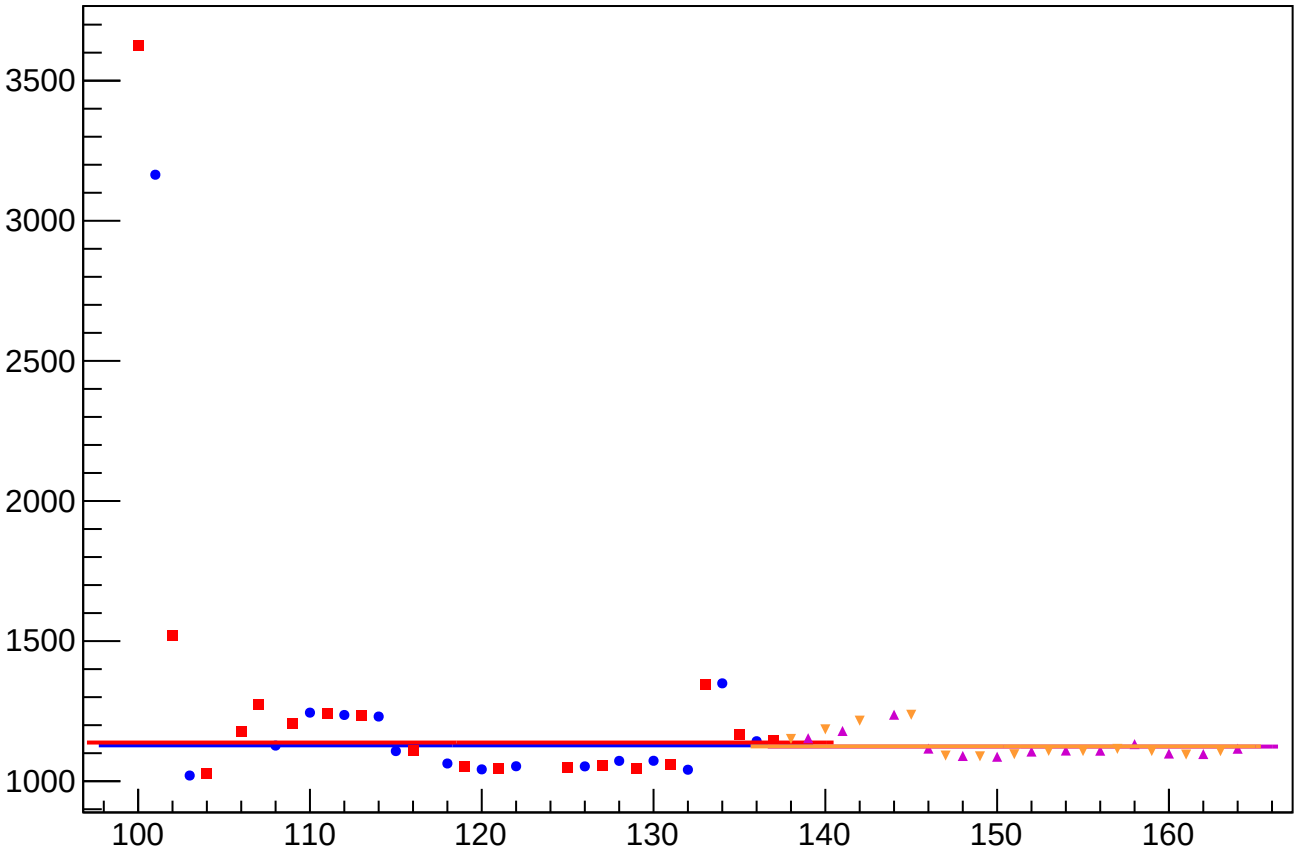
Left: -37.525+/-243.303 χ^2/NDF: 36.9/25

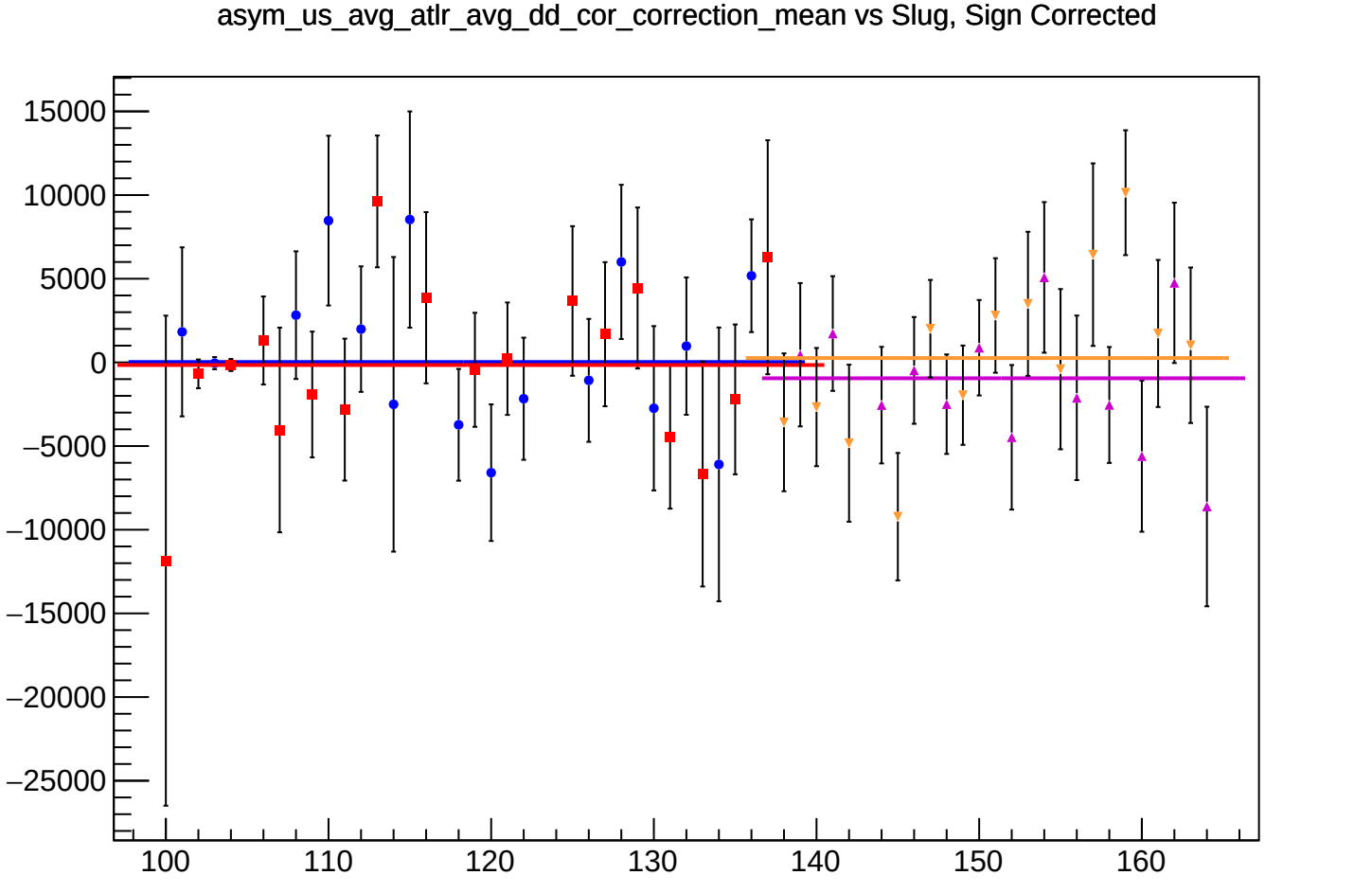
Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -572.286+/-266.235 χ^2/NDF:24.7/28

Out: 493.859+/-271.126 χ^2/NDF:40.0/30

All: -48.917+/-189.962 χ^2/NDF: 72.5/59


cor_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1128.007+/-0.303 χ²/NDF: 621395.6/15
Left Out: 1124.269+/-0.247 χ²/NDF:30952.1/12
Right Out: 1138.000+/-0.304 χ²/NDF: 220624.5/17
Left In: 1123.602+/-0.240 χ²/NDF:26942.1/12
Left: 1123.927+/-0.172 χ²/NDF: 57897.9/25
Right: 1132.987+/-0.215 χ²/NDF: 842560.5/33
In: 1125.297+/-0.188 χ²/NDF:648467.4/28
Out: 1129.712+/-0.192 χ²/NDF:252804.3/30
All: 1127.465+/-0.134 χ²/NDF: 901541.7/59



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 259.744+/-1071.301 χ^2/NDF:19.4/12

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -949.773+/-1051.237 χ^2/NDF:8.5/12

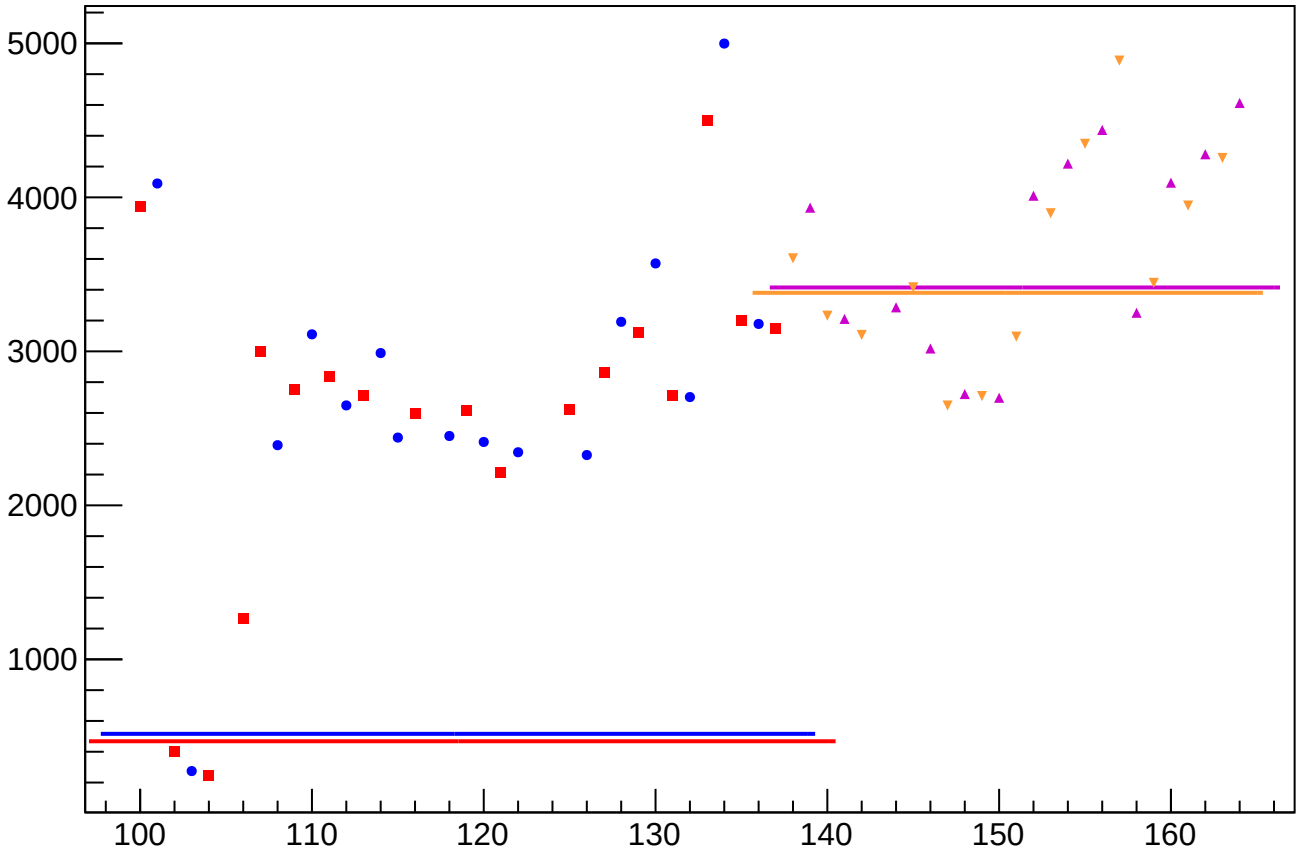
Left: -356.447+/-750.330 χ^2/NDF: 28.6/25

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -72.574+/-327.391 χ^2/NDF:24.1/28

Out: -122.670+/-304.295 χ^2/NDF:33.6/30

All: -99.451+/-222.887 χ^2/NDF: 57.7/59



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3380.125+/-0.758 χ^2/NDF:626620.2/12

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3414.832+/-0.743 χ^2/NDF:688823.9/12

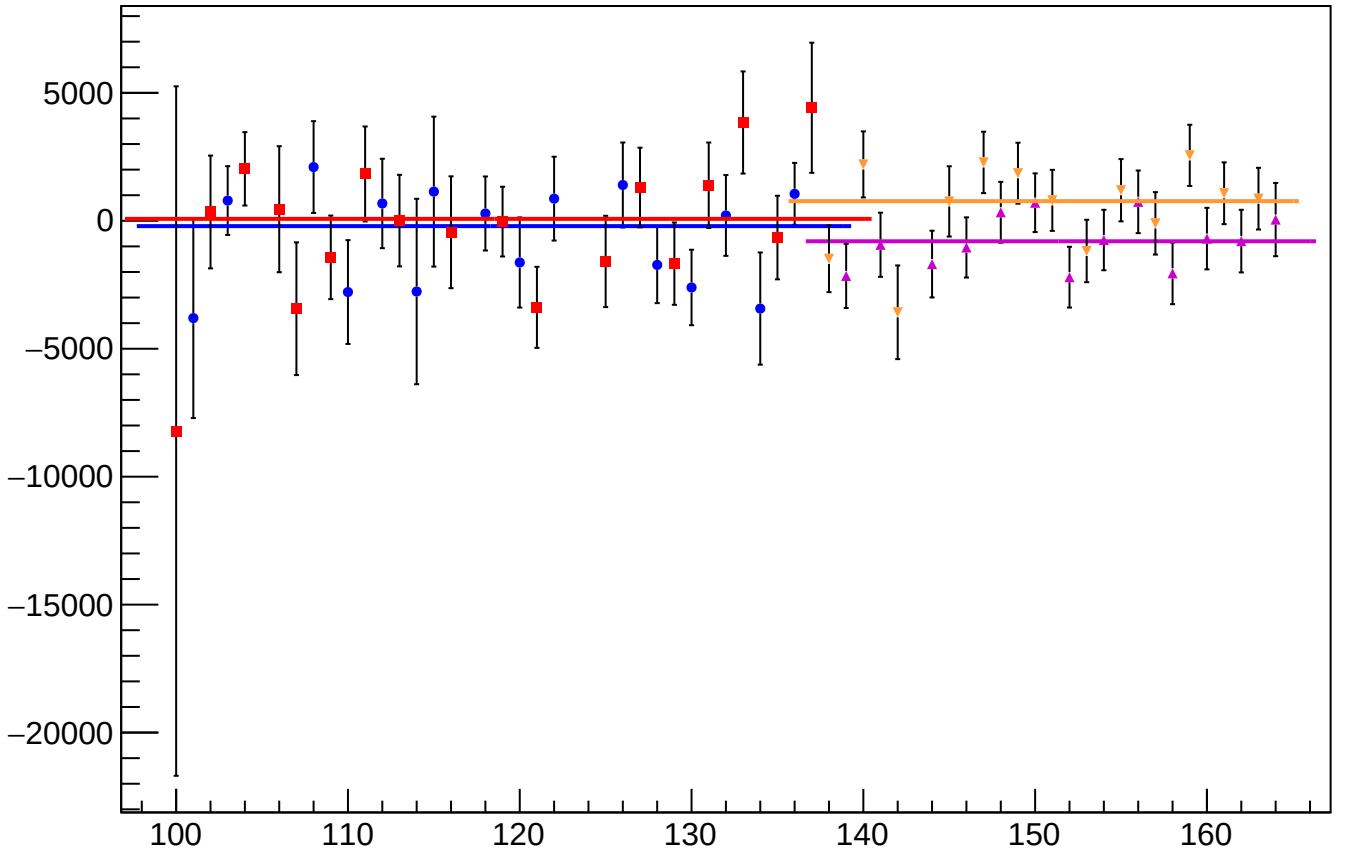
Left: 3397.807+/-0.531 χ^2/NDF: 1316513.5/25

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 797.429+/-0.232 χ^2/NDF:24253717.9/28

Out: 703.006+/-0.215 χ^2/NDF:23323355.3/30

All: 746.770+/-0.158 χ^2/NDF: 47666328.7/59



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 768.161+/-348.907 χ^2/NDF:17.8/12

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -800.130+/-339.451 χ^2/NDF:8.7/12

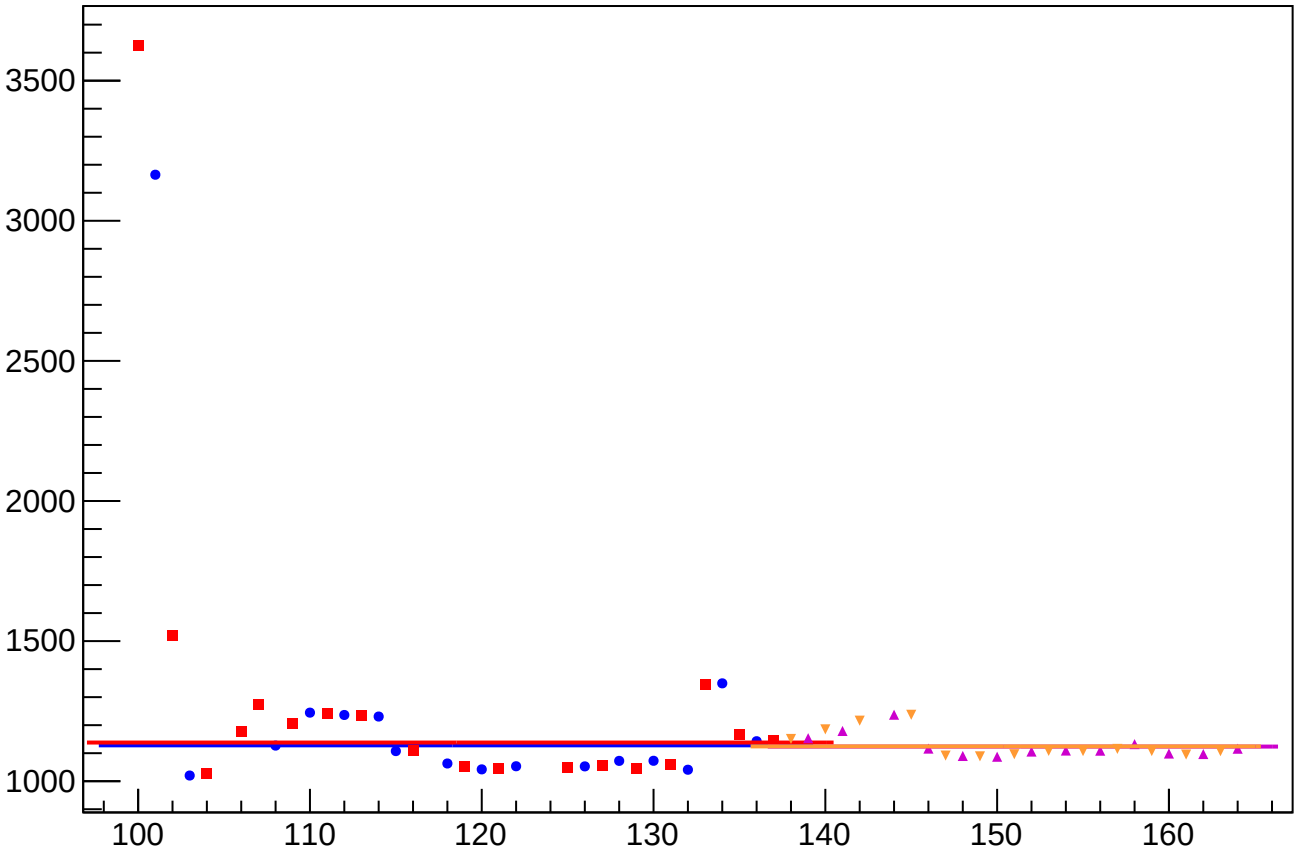
Left: -37.525+/-243.303 χ^2/NDF: 36.9/25

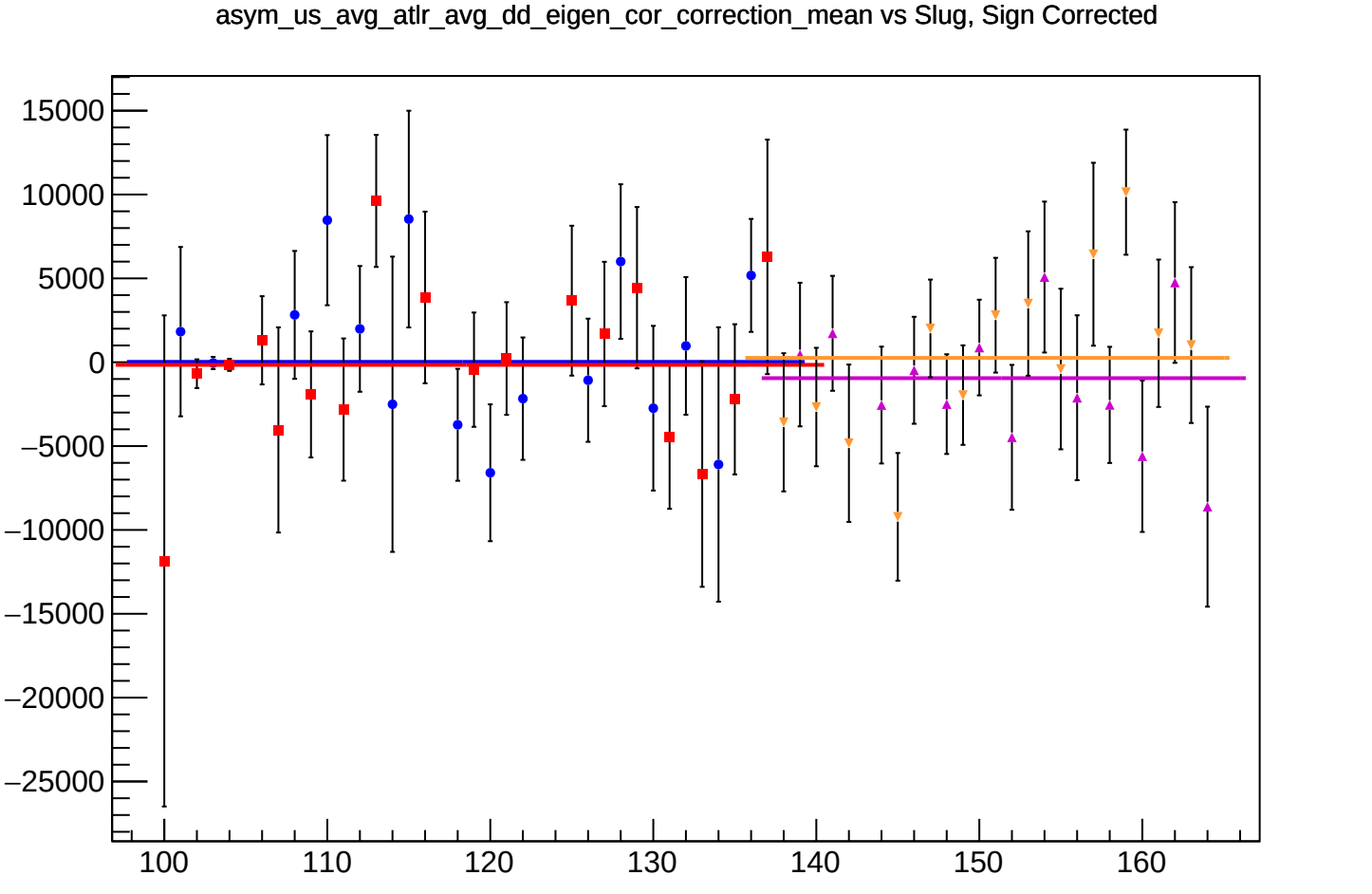
Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

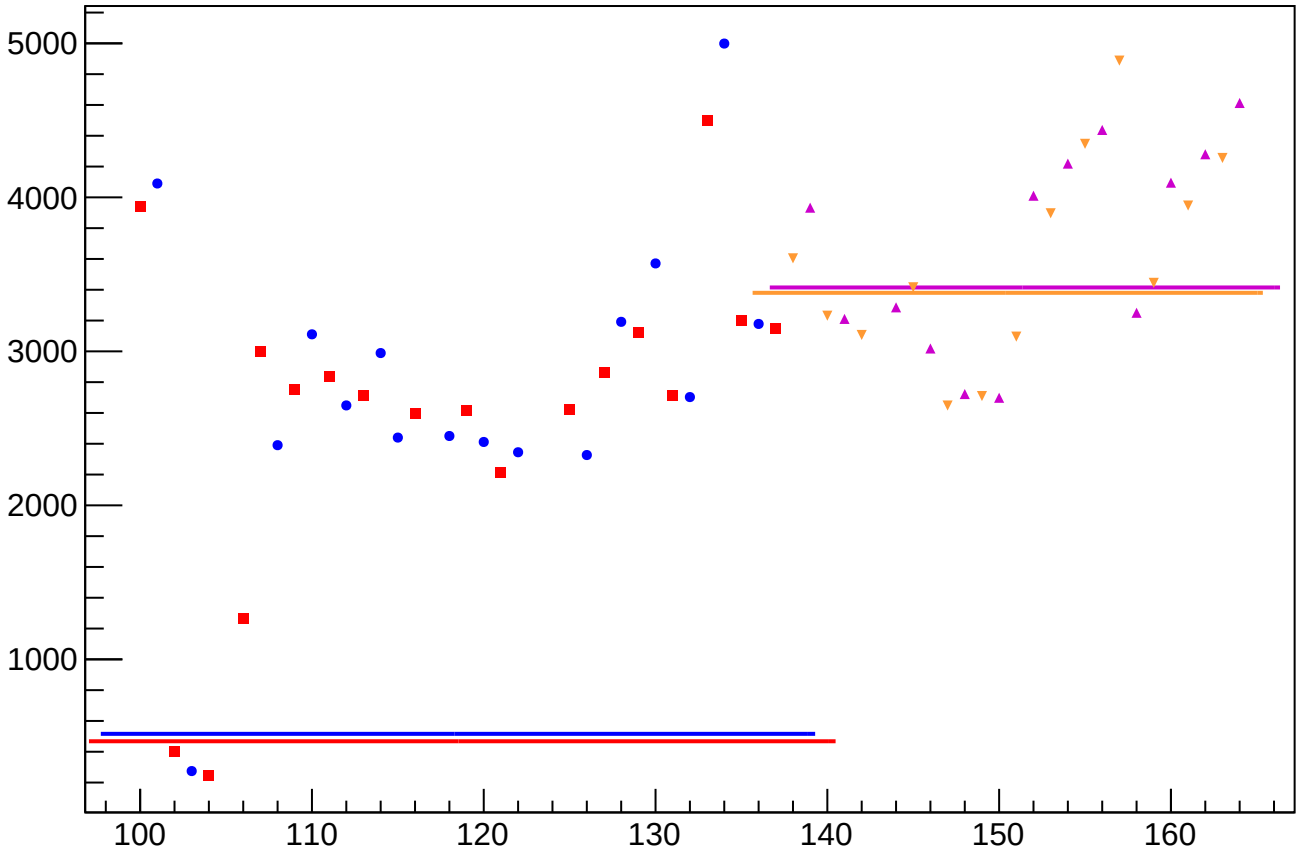
In: -572.286+/-266.235 χ^2/NDF:24.7/28

Out: 493.859+/-271.126 χ^2/NDF:40.0/30

All: -48.917+/-189.962 χ^2/NDF: 72.5/59


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
160
Right In: 1128.007+/-0.303 χ²/NDF: 621395.6/15
Left Out: 1124.269+/-0.247 χ²/NDF:30952.1/12
Right Out: 1138.000+/-0.304 χ²/NDF: 220624.5/17
Left In: 1123.602+/-0.240 χ²/NDF:26942.1/12
Left: 1123.927+/-0.172 χ²/NDF: 57897.9/25
Right: 1132.987+/-0.215 χ²/NDF: 842560.5/33
In: 1125.297+/-0.188 χ²/NDF:648467.4/28
Out: 1129.712+/-0.192 χ²/NDF:252804.3/30
All: 1127.465+/-0.134 χ²/NDF: 901541.7/59


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: 259.744+/-1071.301 χ²/NDF:19.4/12
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -949.773+/-1051.237 χ²/NDF:8.5/12
Left: -356.447+/-750.330 χ²/NDF: 28.6/25
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -72.574+/-327.391 χ²/NDF:24.1/28
Out: -122.670+/-304.295 χ²/NDF:33.6/30
All: -99.451+/-222.887 χ²/NDF: 57.7/59



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3380.125+/-0.758 χ^2/NDF:626620.2/12

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3414.832+/-0.743 χ^2/NDF:688823.9/12

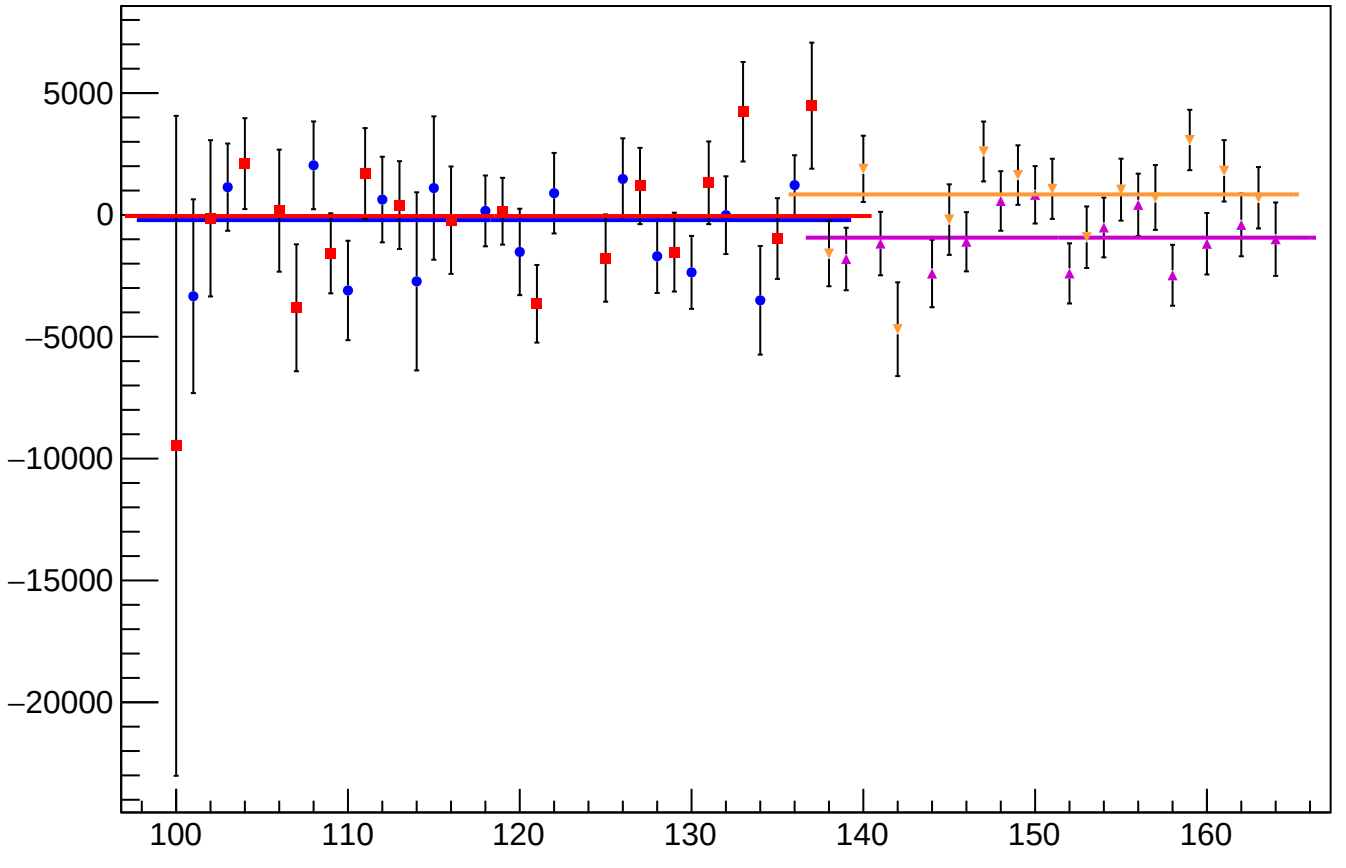
Left: 3397.807+/-0.531 χ^2/NDF: 1316513.5/25

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 797.429+/-0.232 χ^2/NDF:24253717.9/28

Out: 703.006+/-0.215 χ^2/NDF:23323355.3/30

All: 746.770+/-0.158 χ^2/NDF: 47666328.7/59



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 840.880+/-363.743 χ^2/NDF:21.0/12

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -933.395+/-352.870 χ^2/NDF:9.8/12

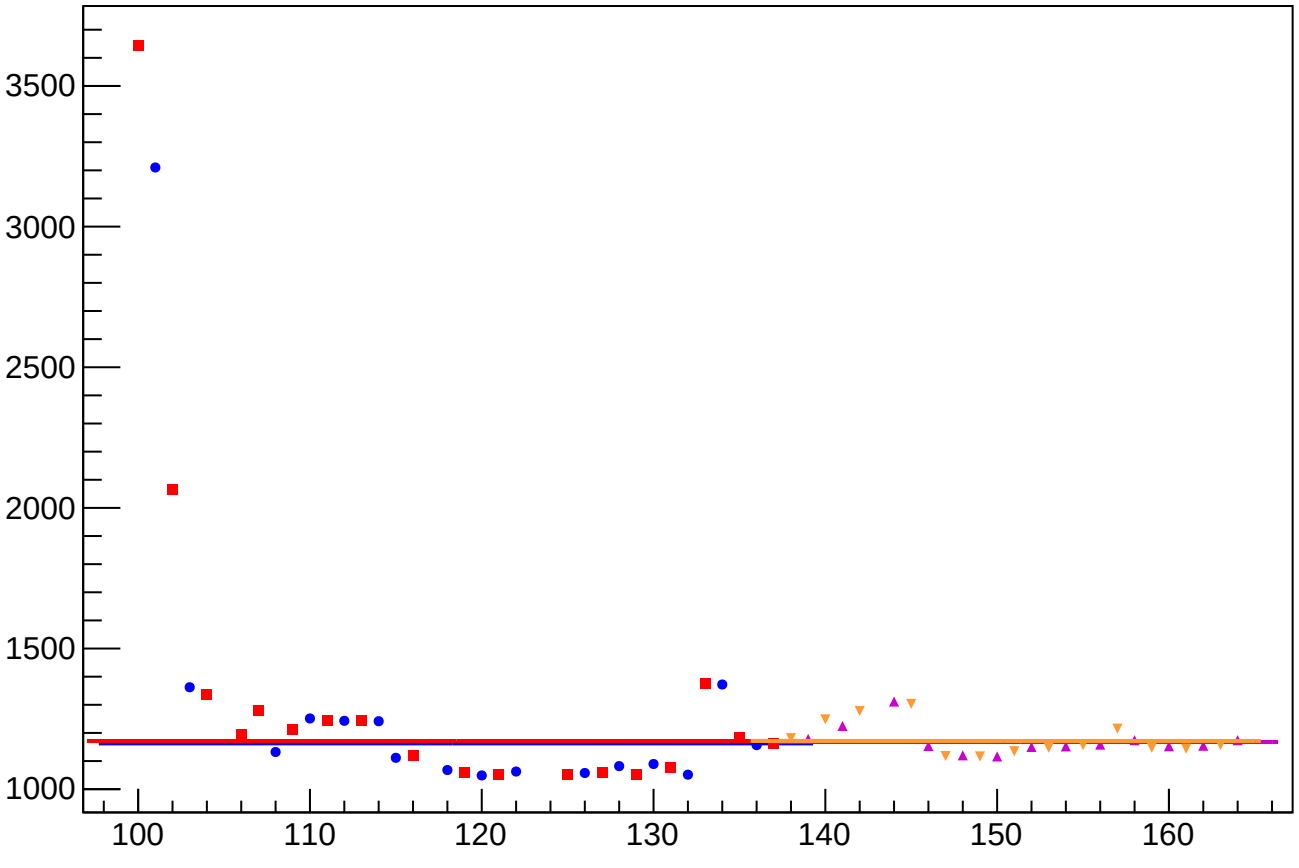
Left: -73.173+/-253.273 χ^2/NDF: 43.0/25

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -653.534+/-275.933 χ^2/NDF:25.7/28

Out: 487.960+/-282.190 χ^2/NDF:45.0/30

All: -95.582+/-197.289 χ^2/NDF: 79.1/59



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1171.478+/-0.257 χ^2/NDF:43956.5/12

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1167.688+/-0.250 χ^2/NDF:34175.5/12

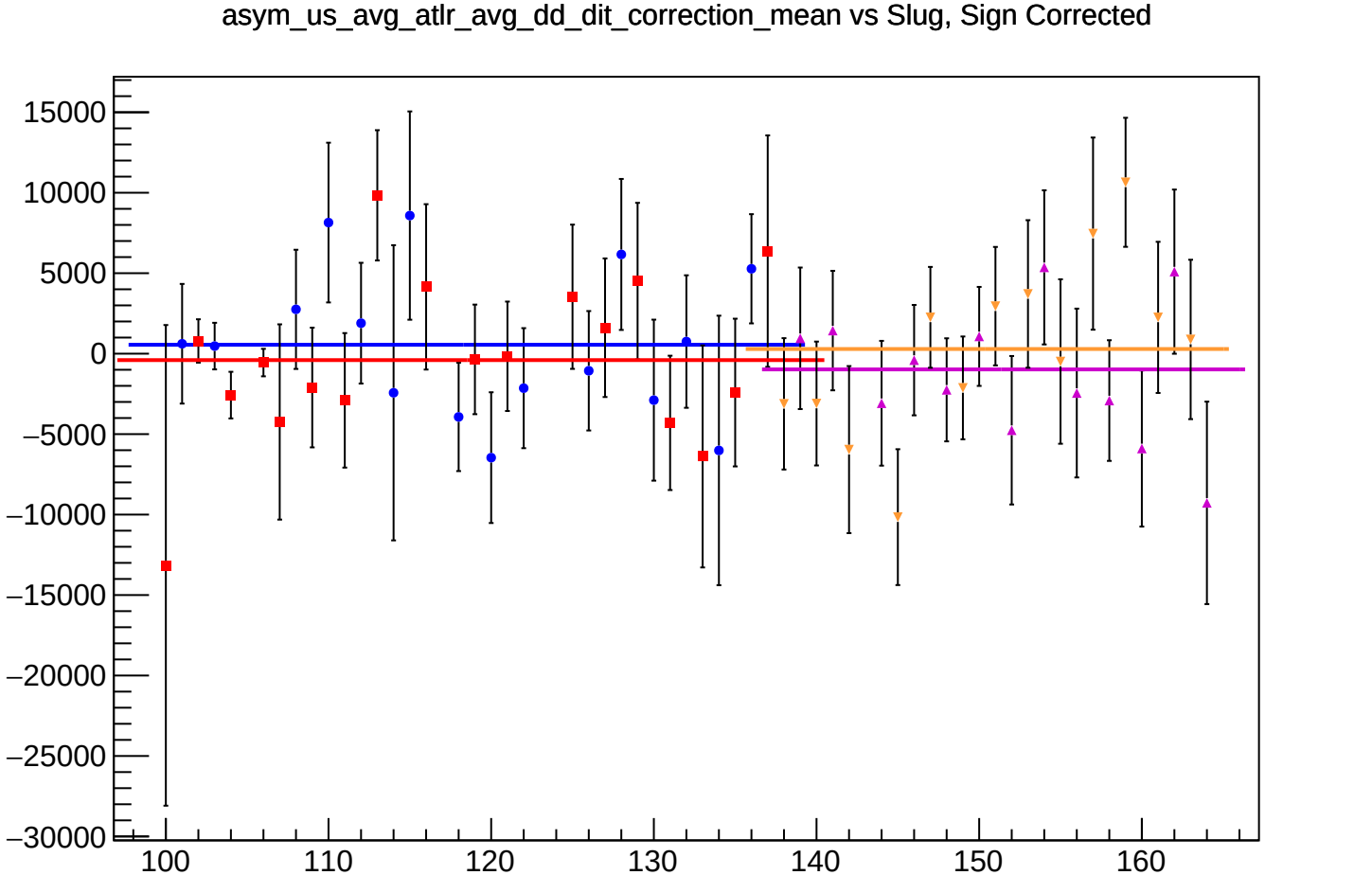
Left: 1169.526+/-0.179 χ^2/NDF: 78243.9/25

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1165.809+/-0.195 χ^2/NDF:669675.0/28

Out: 1171.455+/-0.200 χ^2/NDF:375597.3/30

All: 1168.569+/-0.139 χ^2/NDF: 1045681.7/59



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: 289.713+/-1149.485 χ^2/NDF:19.4/12

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -978.731+/-1129.902 χ^2/NDF:8.5/12

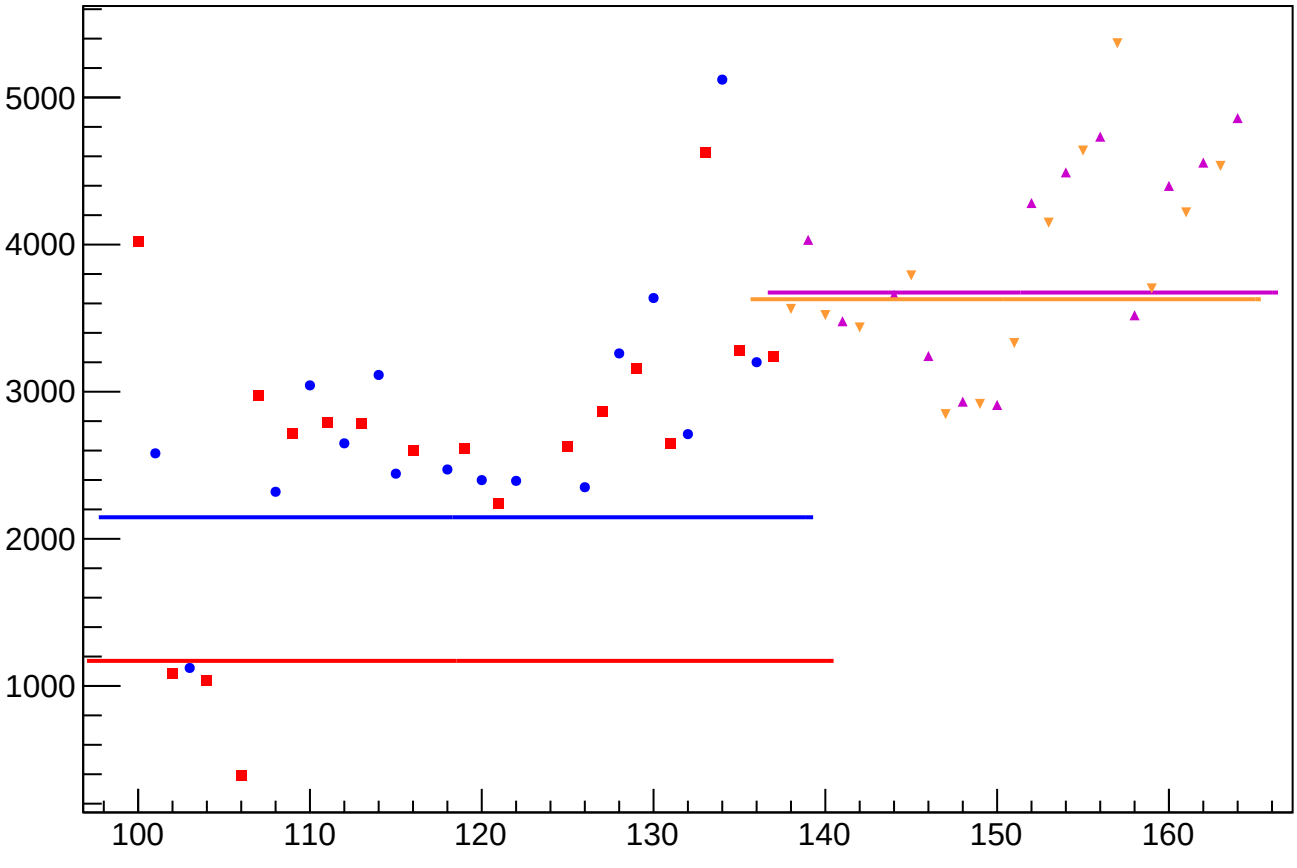
Left: -355.405+/-805.796 χ^2/NDF: 28.5/25

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: -20.806+/-691.382 χ^2/NDF:24.0/28

Out: -265.806+/-507.688 χ^2/NDF:36.4/30

All: -179.979+/-409.212 χ^2/NDF: 60.5/59



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3628.464+/-0.813 χ^2/NDF:617547.2/12

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3674.132+/-0.799 χ^2/NDF:634789.7/12

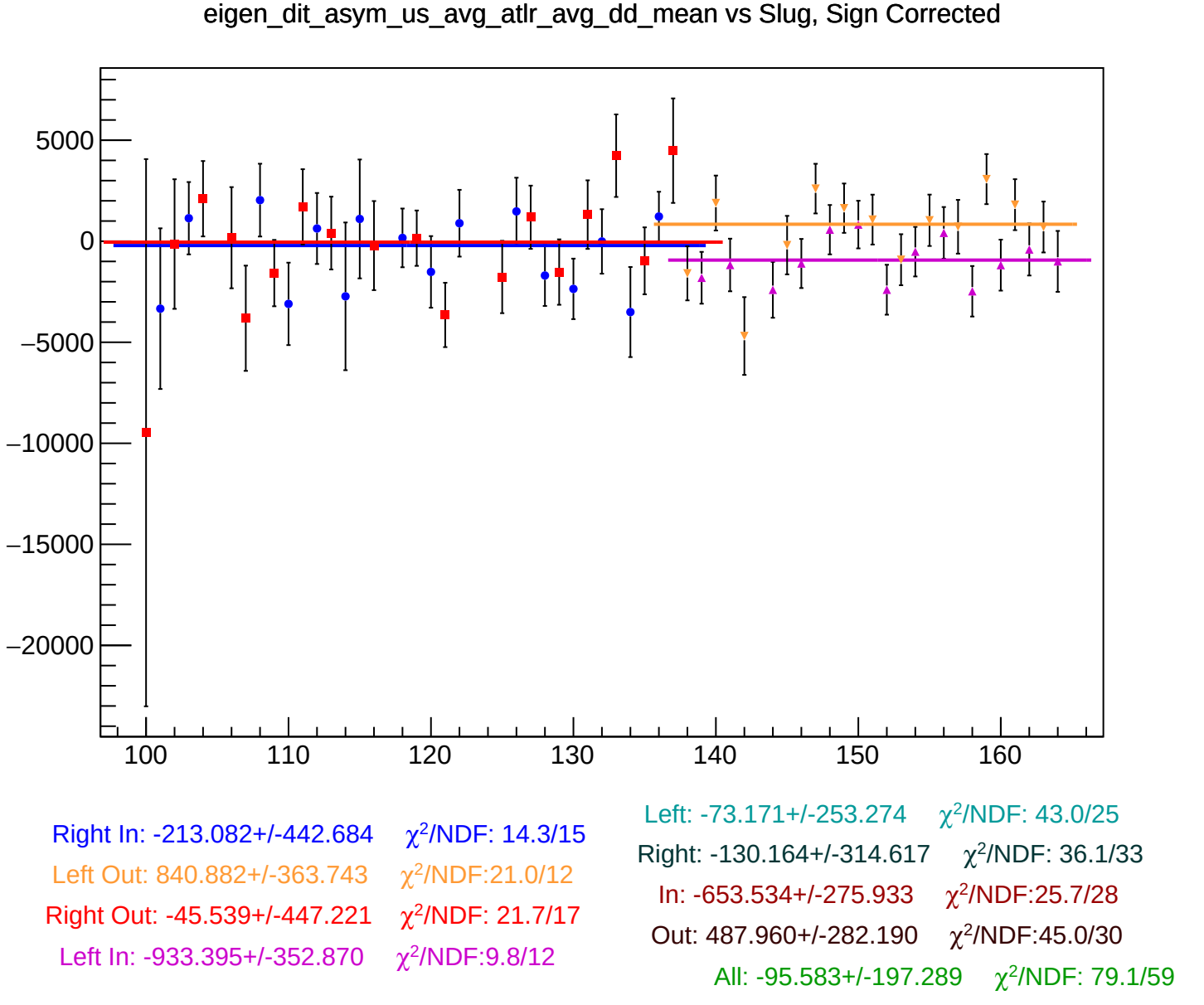
Left: 3651.691+/-0.570 χ^2/NDF: 1253942.4/25

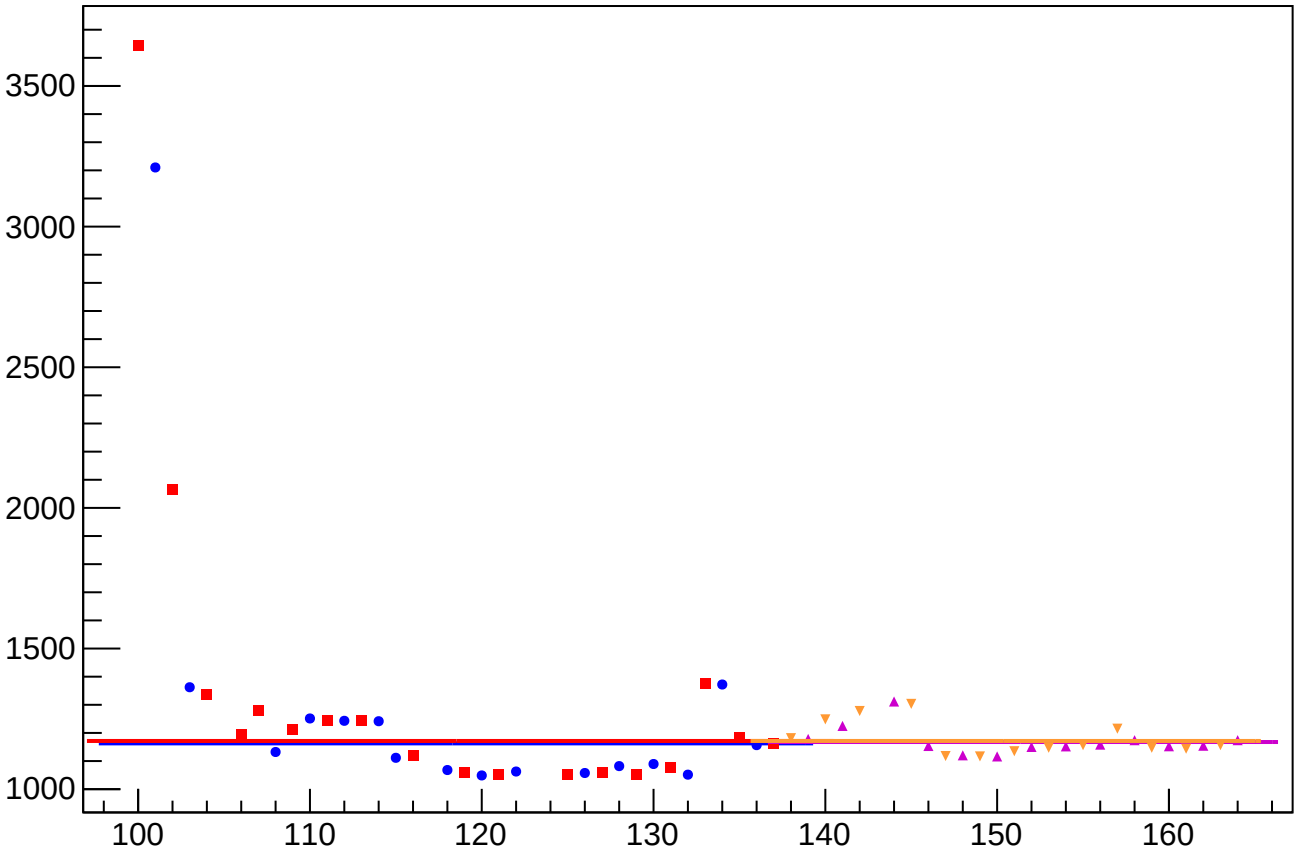
Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2718.542+/-0.489 χ^2/NDF:4896194.7/28

Out: 1650.031+/-0.359 χ^2/NDF:13795535.4/30

All: 2024.347+/-0.289 χ^2/NDF: 21795251.7/5


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
160
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: 840.882+/-363.743 χ²/NDF:21.0/12
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -933.395+/-352.870 χ²/NDF:9.8/12
Left: -73.171+/-253.274 χ²/NDF: 43.0/25
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -653.534+/-275.933 χ²/NDF:25.7/28
Out: 487.960+/-282.190 χ²/NDF:45.0/30
All: -95.583+/-197.289 χ²/NDF: 79.1/59



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1171.479+/-0.257 χ^2/NDF:43956.8/12

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1167.689+/-0.250 χ^2/NDF:34175.7/12

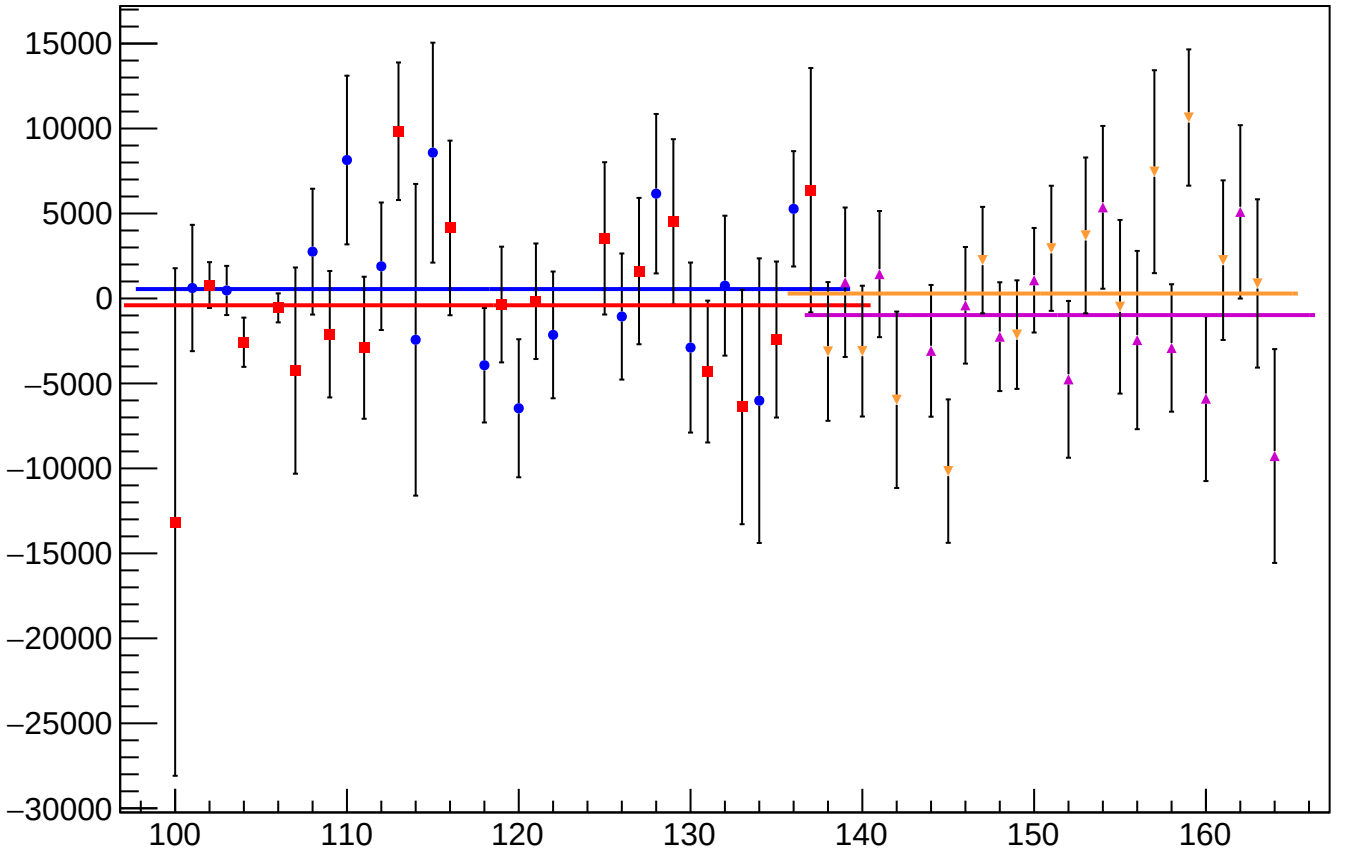
Left: 1169.527+/-0.179 χ^2/NDF: 78244.4/25

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1165.810+/-0.195 χ^2/NDF:669675.3/28

Out: 1171.456+/-0.200 χ^2/NDF:375597.3/30

All: 1168.570+/-0.139 χ^2/NDF: 1045682.0/59



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 289.713+/-1149.486 χ^2/NDF:19.4/12

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -978.728+/-1129.904 χ^2/NDF:8.5/12

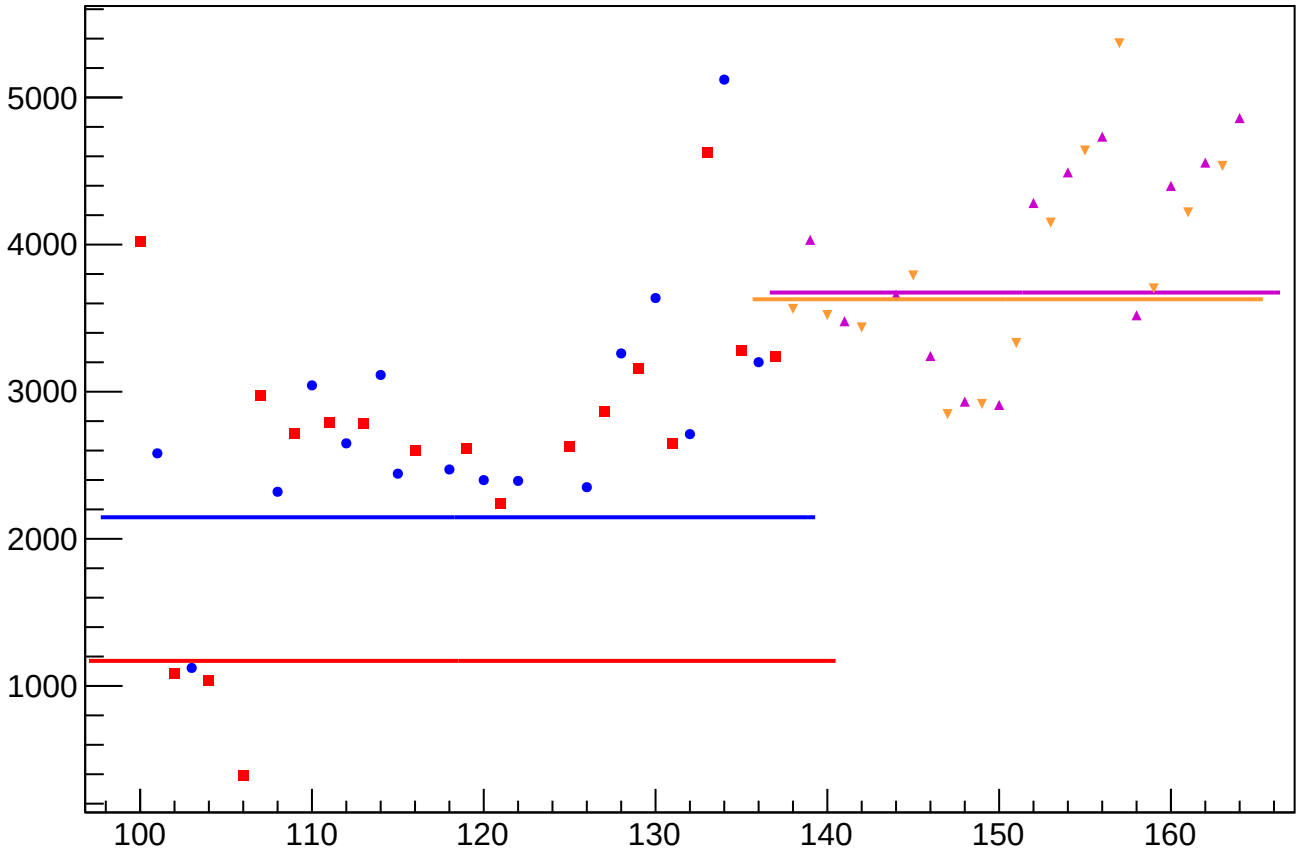
Left: -355.404+/-805.797 χ^2/NDF: 28.5/25

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: -20.807+/-691.381 χ^2/NDF:24.0/28

Out: -265.810+/-507.683 χ^2/NDF:36.4/30

All: -179.983+/-409.209 χ^2/NDF: 60.5/59



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3628.469+/-0.813 χ^2/NDF:617548.8/12

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3674.137+/-0.799 χ^2/NDF:634791.4/12

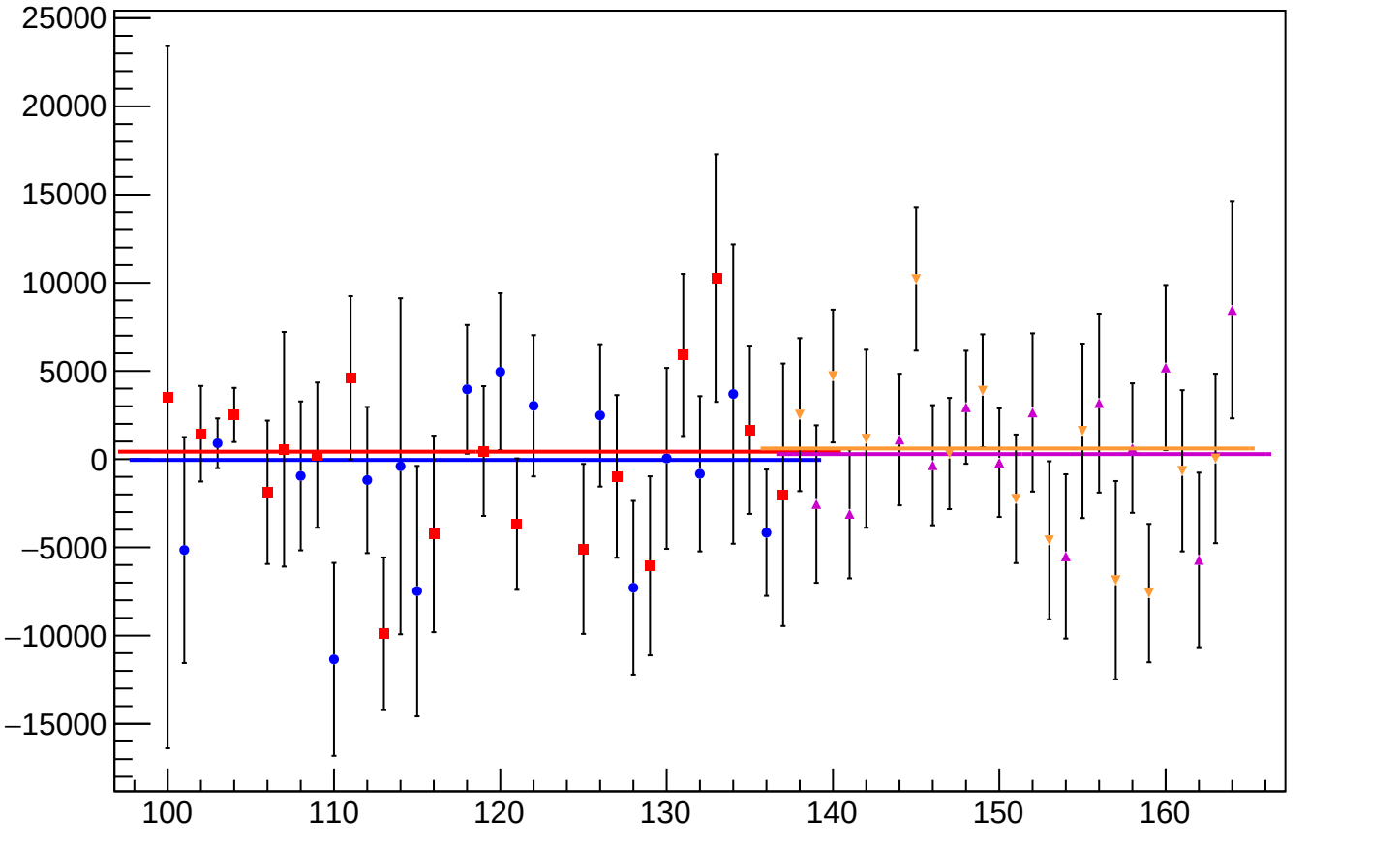
Left: 3651.695+/-0.570 χ^2/NDF: 1253945.7/25

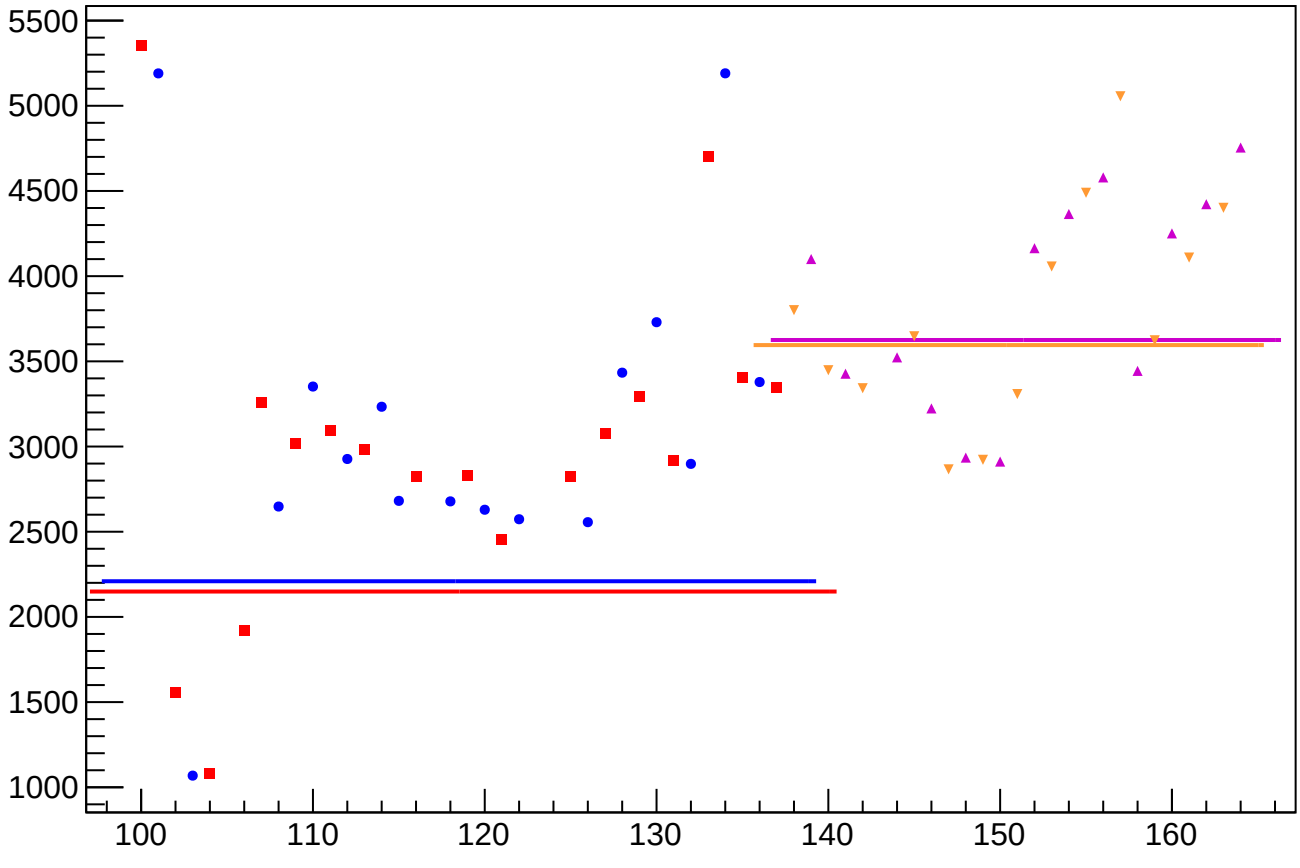
Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2718.540+/-0.489 χ^2/NDF:4896213.3/28

Out: 1650.003+/-0.359 χ^2/NDF:13795847.2/30

All: 2024.324+/-0.289 χ^2/NDF: 21795753.9/5


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
160
Right In: -44.874+/-920.736 χ²/NDF: 13.7/15
Left Out: 604.816+/-1135.293 χ²/NDF:16.3/12
Right Out: 423.476+/-896.736 χ²/NDF: 17.3/17
Left In: 285.815+/-1112.214 χ²/NDF:8.6/12
Left: 442.040+/-794.488 χ²/NDF: 24.9/25
Right: 195.485+/-642.405 χ²/NDF: 31.2/33
In: 89.597+/-709.241 χ²/NDF:22.4/28
Out: 493.147+/-703.696 χ²/NDF:33.6/30
All: 292.956+/-499.537 χ²/NDF: 56.2/59



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3595.403+/-0.803 χ^2/NDF:524174.7/12

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3625.291+/-0.786 χ^2/NDF:568666.2/12

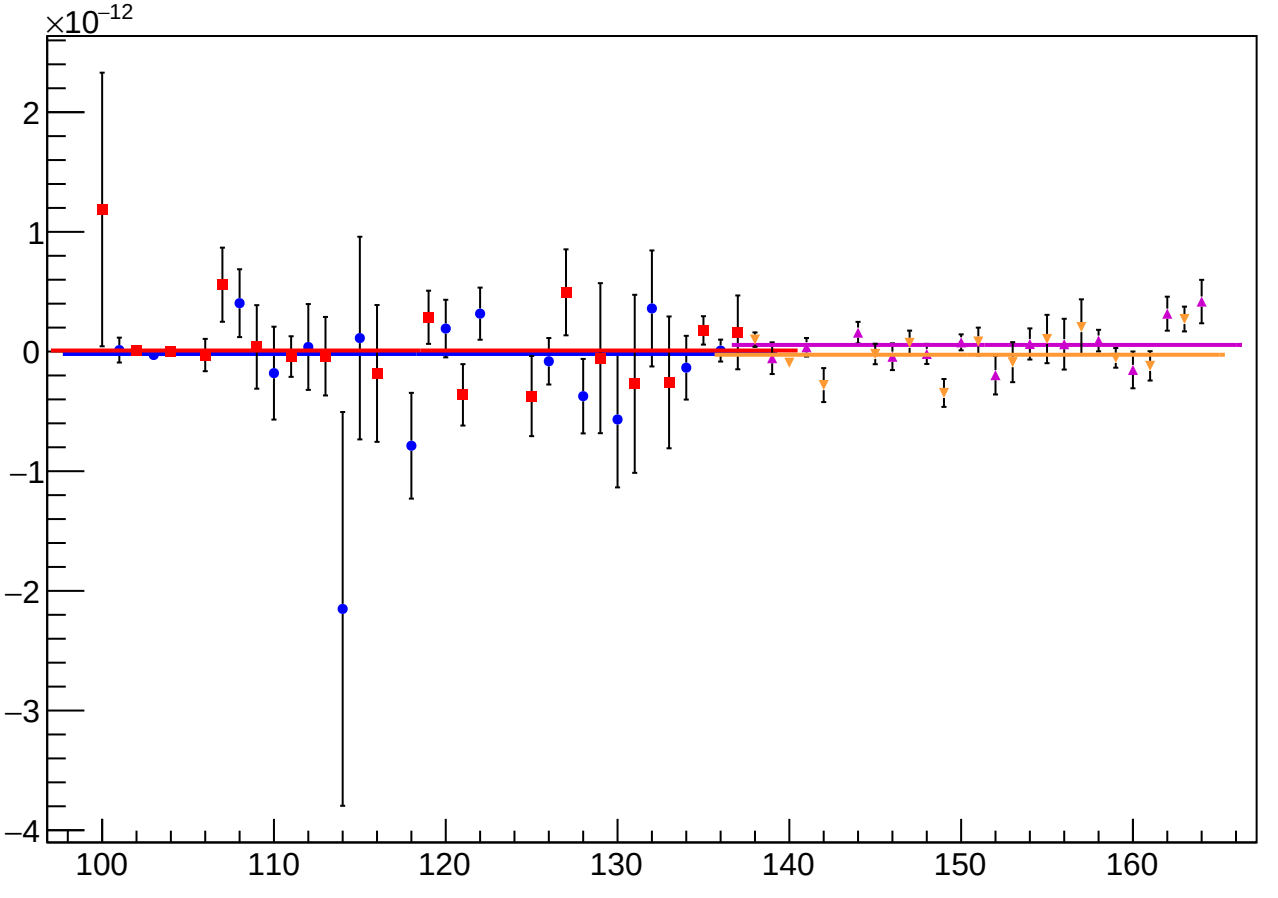
Left: 3610.654+/-0.562 χ^2/NDF: 1093548.3/25

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2785.127+/-0.502 χ^2/NDF:5328911.5/28

Out: 2703.034+/-0.497 χ^2/NDF:4796752.9/30

All: 2743.698+/-0.353 χ^2/NDF: 10139187.0/5



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:15.6/12

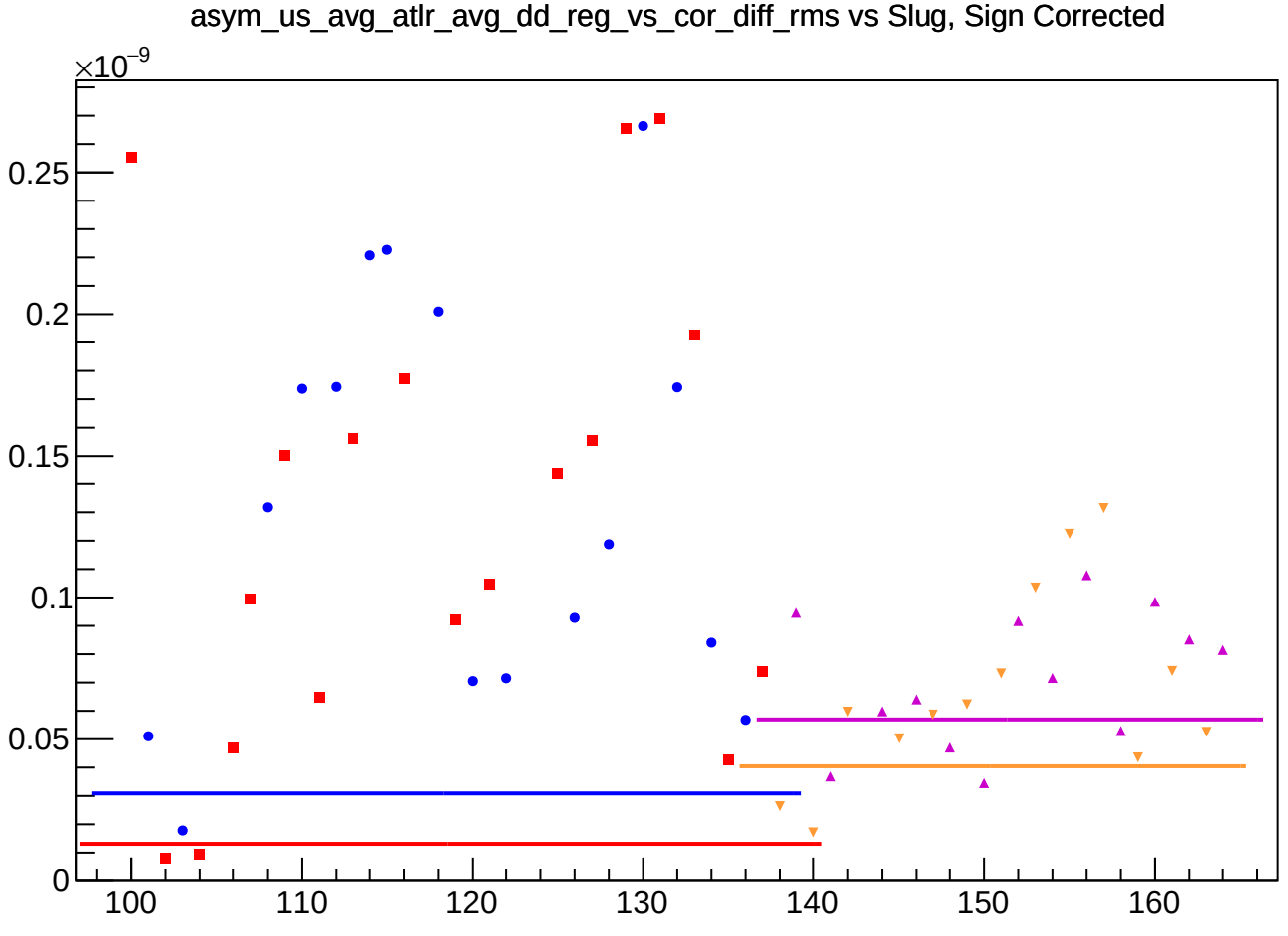
Left: 0.000+/-0.000 χ^2/NDF: 50.3/25

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:33.1/28

Out: -0.000+/-0.000 χ^2/NDF:45.6/30

All: 0.000+/-0.000 χ^2/NDF: 79.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2219236.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1058935.2/12

Left: 0.000+/-0.000 χ^2/NDF: 3652524.4/25

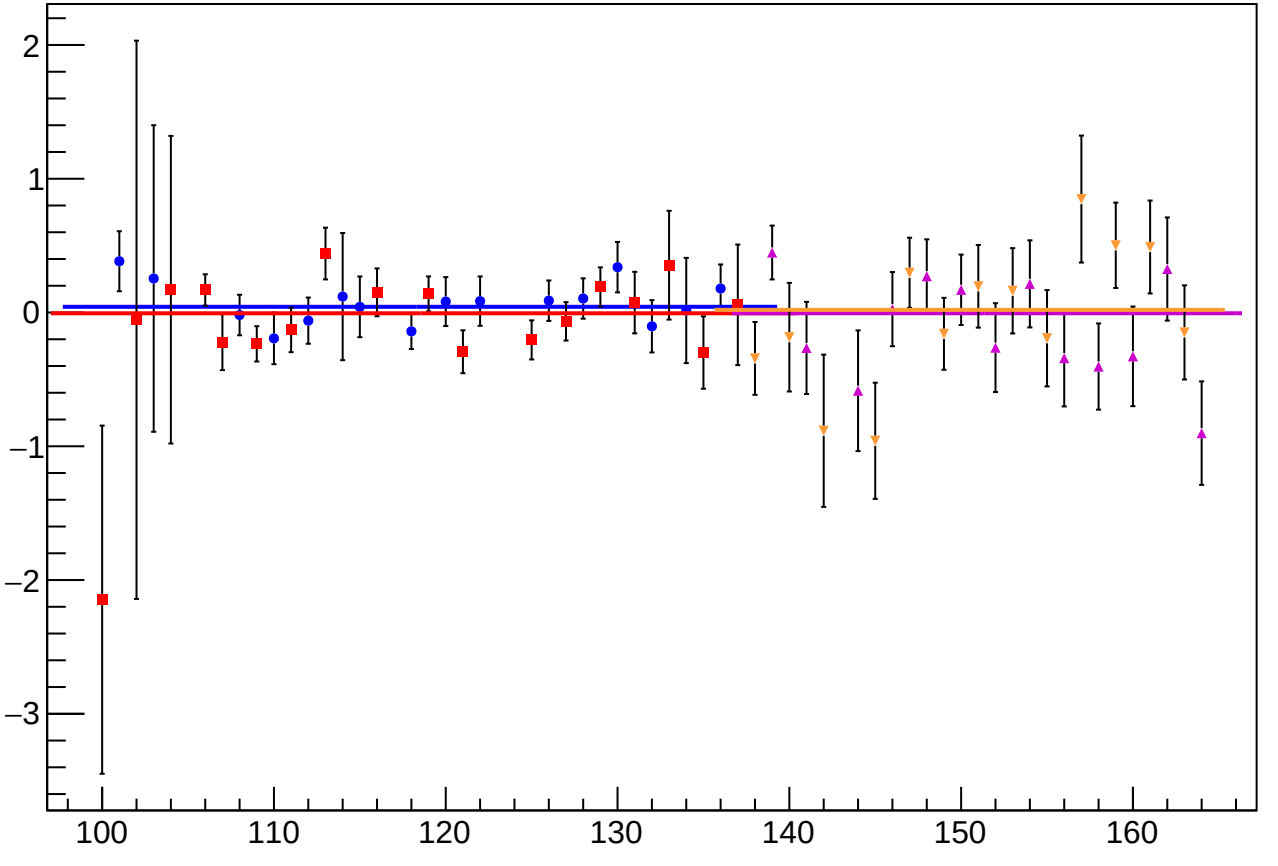
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:4955777.7/28

Out: 0.000+/-0.000 χ^2/NDF:7718845.4/30

All: 0.000+/-0.000 χ^2/NDF: 14420320.5/59

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.020+/-0.093 χ^2/NDF:19.5/12

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.006+/-0.086 χ^2/NDF:19.1/12

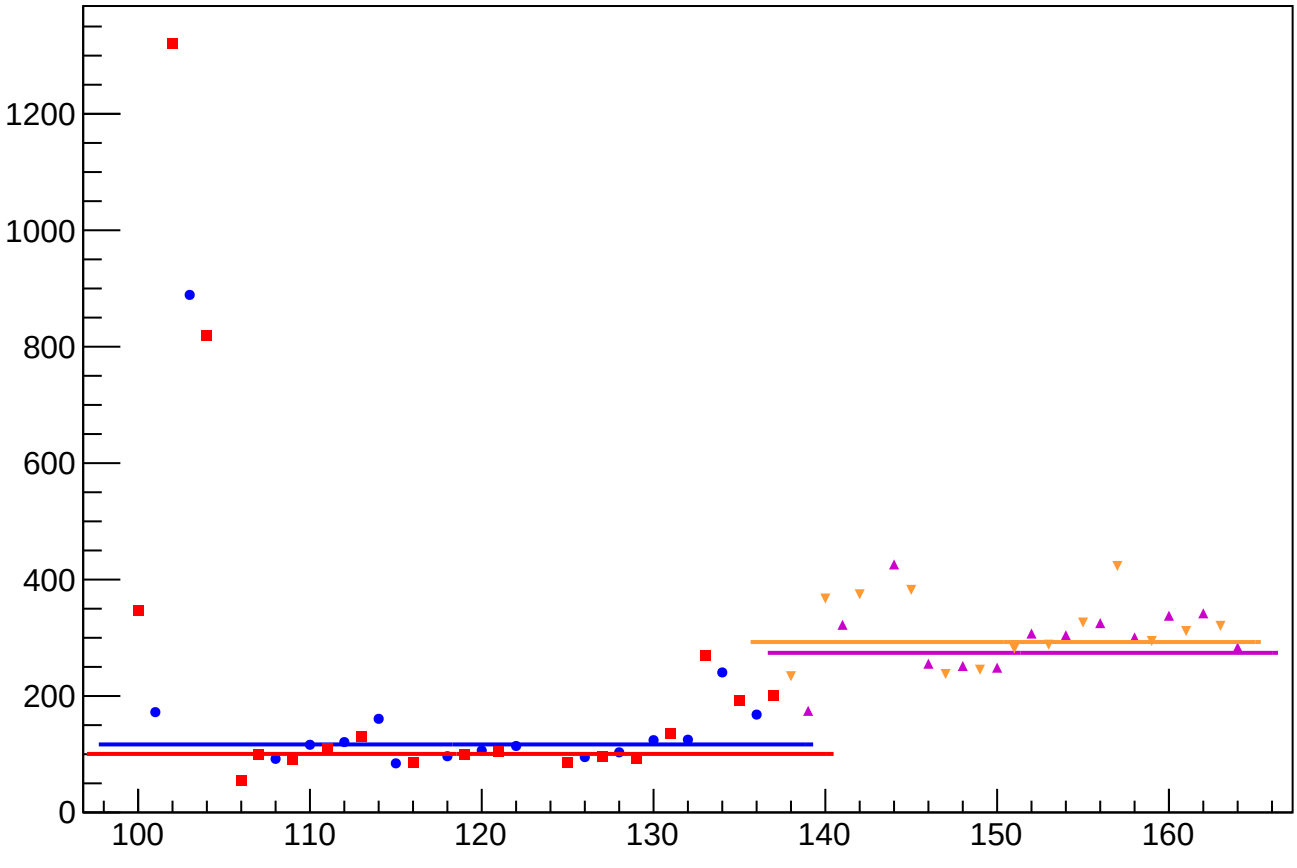
Left: 0.006+/-0.063 χ^2/NDF: 38.6/25

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.031+/-0.042 χ^2/NDF:29.6/28

Out: -0.001+/-0.039 χ^2/NDF:45.6/30

All: 0.014+/-0.029 χ^2/NDF: 75.4/59



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 292.737+/-0.066 χ^2/NDF:628140.7/12

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 274.167+/-0.061 χ^2/NDF:1009071.2/12

Left: 282.709+/-0.045 χ^2/NDF: 1680038.0/25

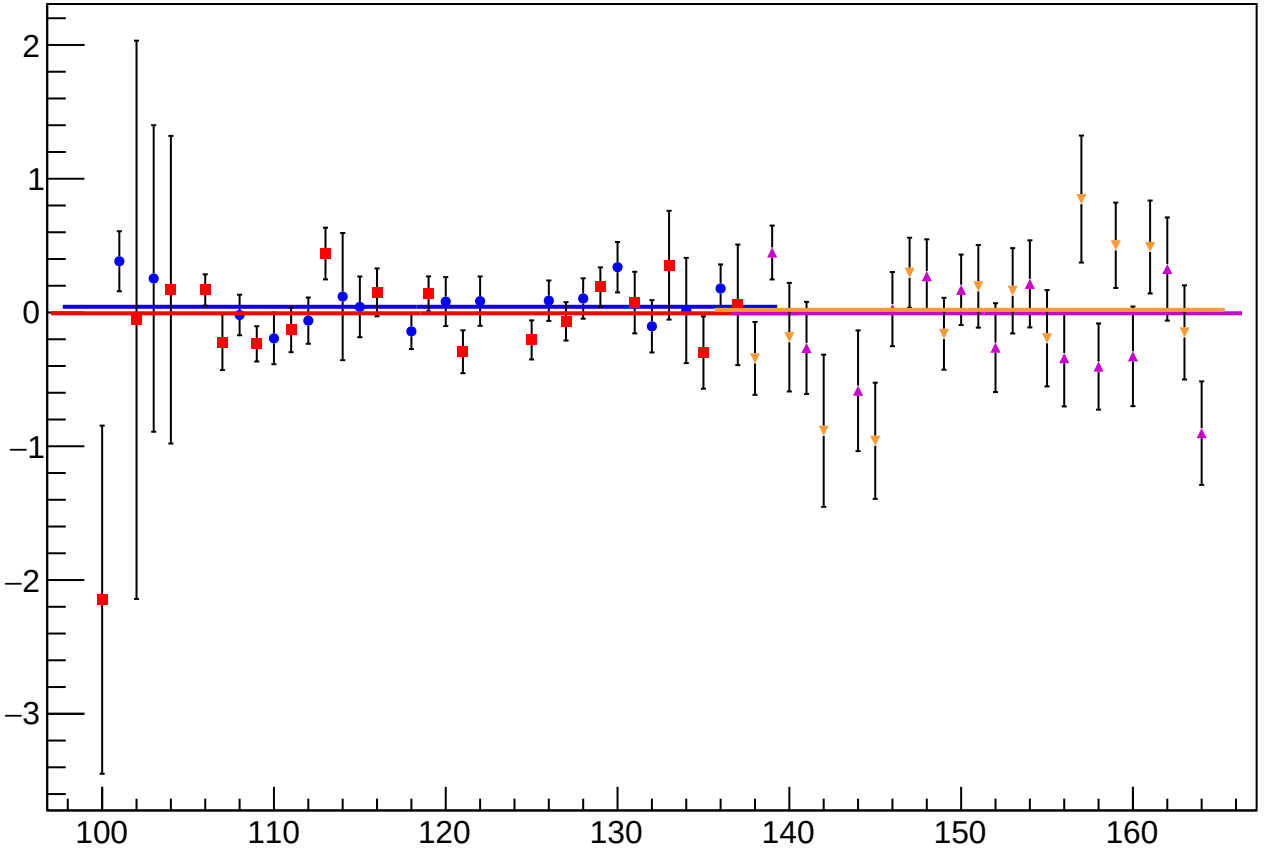
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 153.532+/-0.029 χ^2/NDF:7754085.4/28

Out: 134.736+/-0.028 χ^2/NDF:10276137.5/30

All: 143.616+/-0.020 χ^2/NDF: 18245989.9/59

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: 0.020+/-0.093 χ^2/NDF:19.5/12

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.006+/-0.086 χ^2/NDF:19.1/12

Left: 0.006+/-0.063 χ^2/NDF: 38.6/25

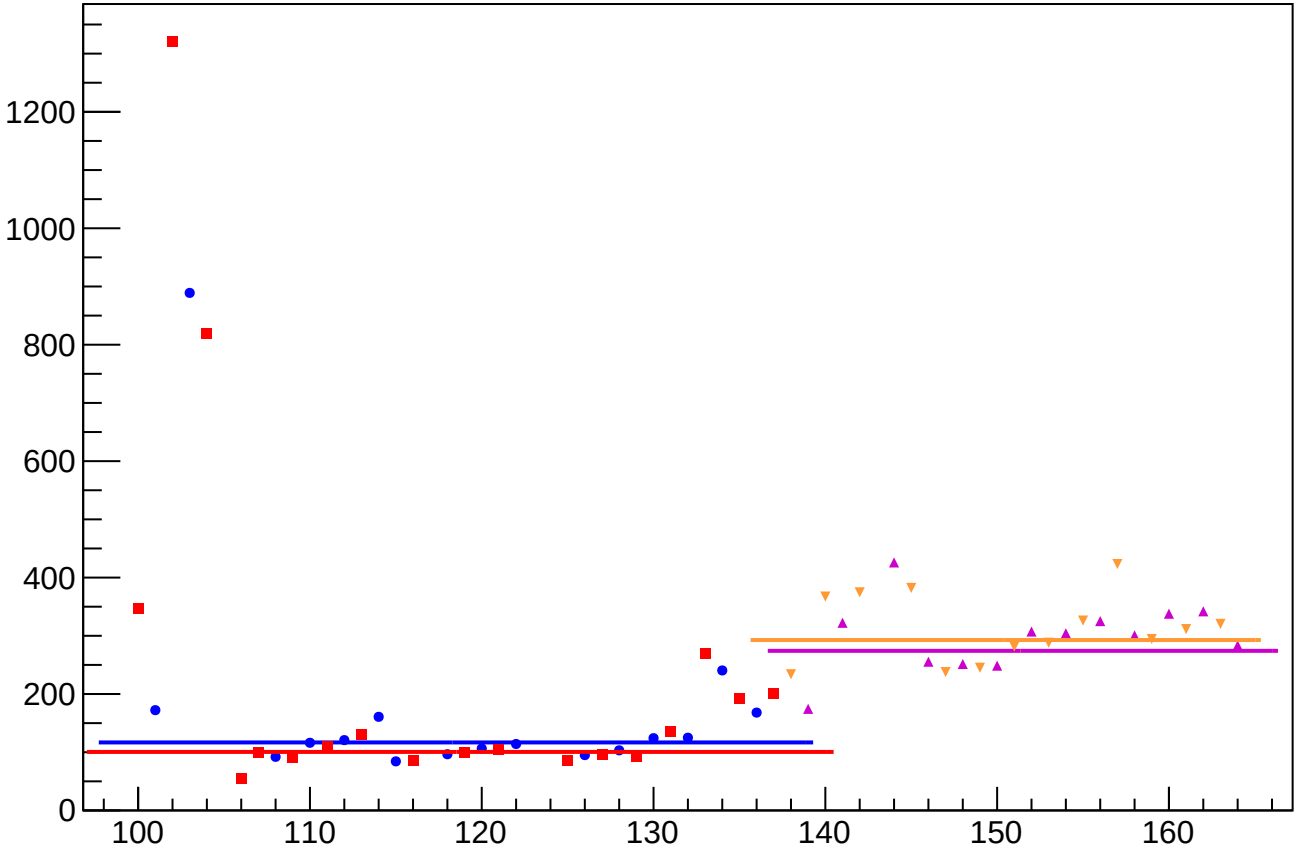
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.031+/-0.042 χ^2/NDF:29.6/28

Out: -0.001+/-0.039 χ^2/NDF:45.6/30

All: 0.014+/-0.029 χ^2/NDF: 75.4/59

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: 292.737+/-0.066 χ^2/NDF:628140.7/12

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 274.167+/-0.061 χ^2/NDF:1009071.2/12

Left: 282.709+/-0.045 χ^2/NDF: 1680038.0/25

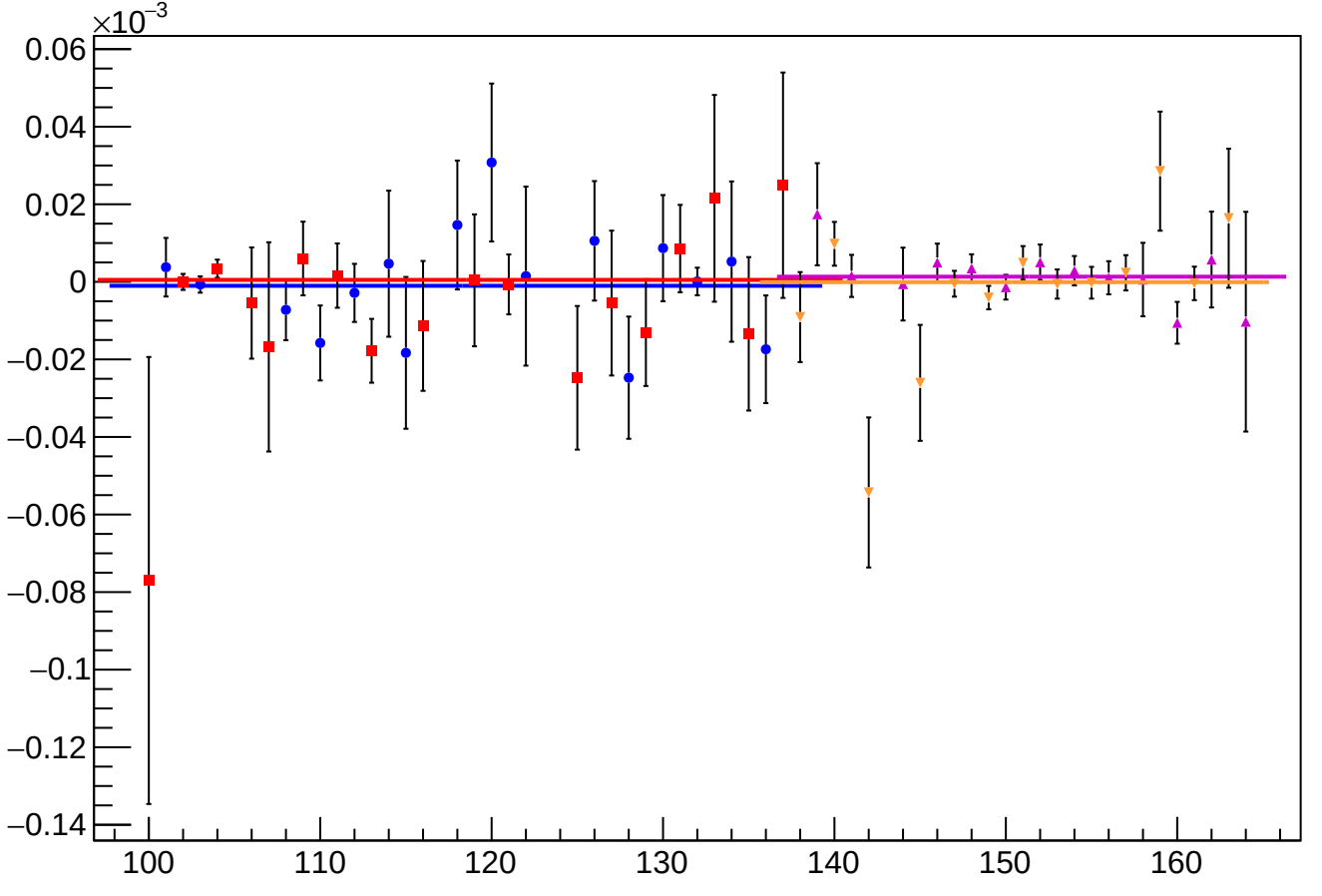
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 153.532+/-0.029 χ^2/NDF:7754085.4/28

Out: 134.736+/-0.028 χ^2/NDF:10276137.5/30

All: 143.616+/-0.020 χ^2/NDF: 18245989.9/59

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:9.2/12

Left: 0.000+/-0.000 χ^2/NDF: 31.9/25

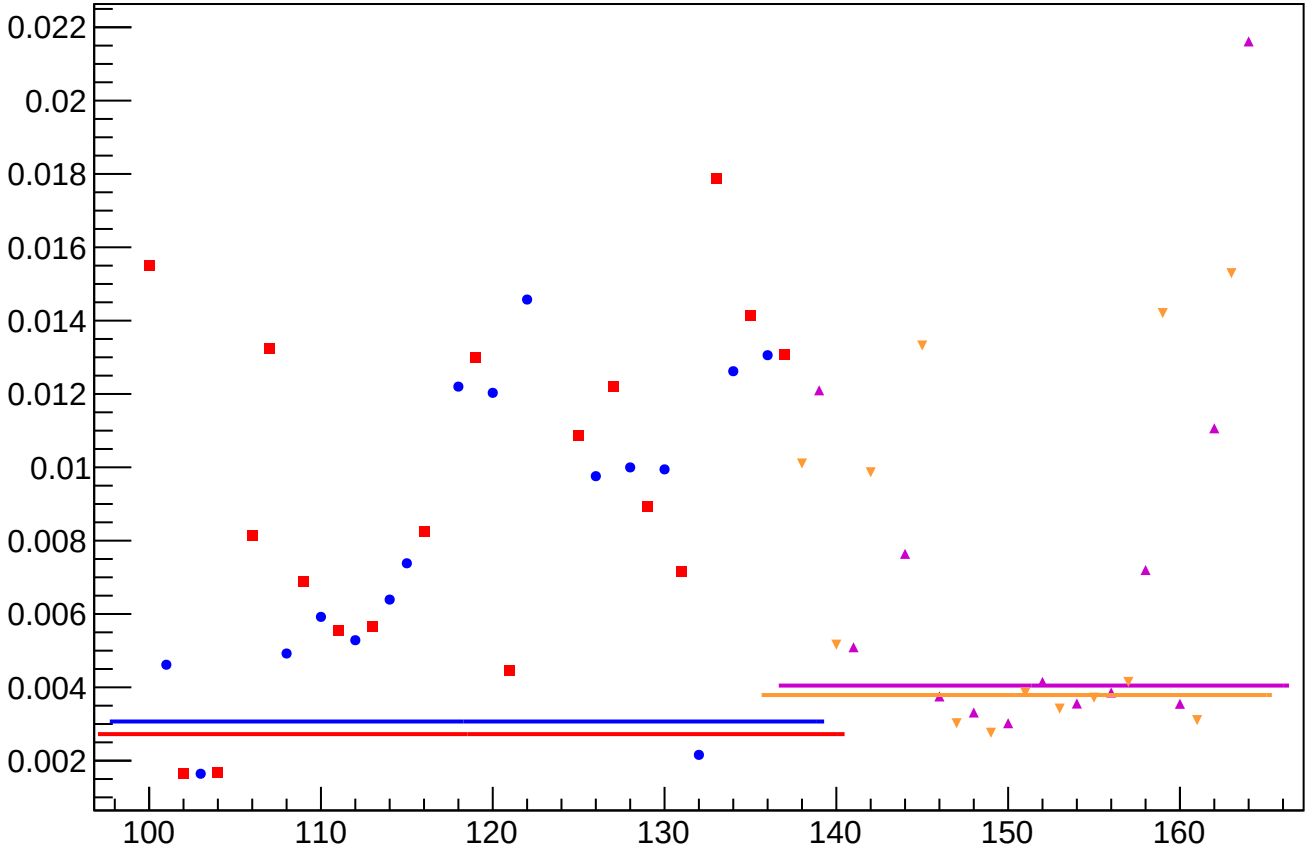
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:22.9/28

Out: 0.000+/-0.000 χ^2/NDF:37.4/30

All: 0.000+/-0.000 χ^2/NDF: 60.3/59

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:3887299.9/12

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:3099338.2/12

Left: 0.004+/-0.000 χ^2/NDF: 7020927.1/25

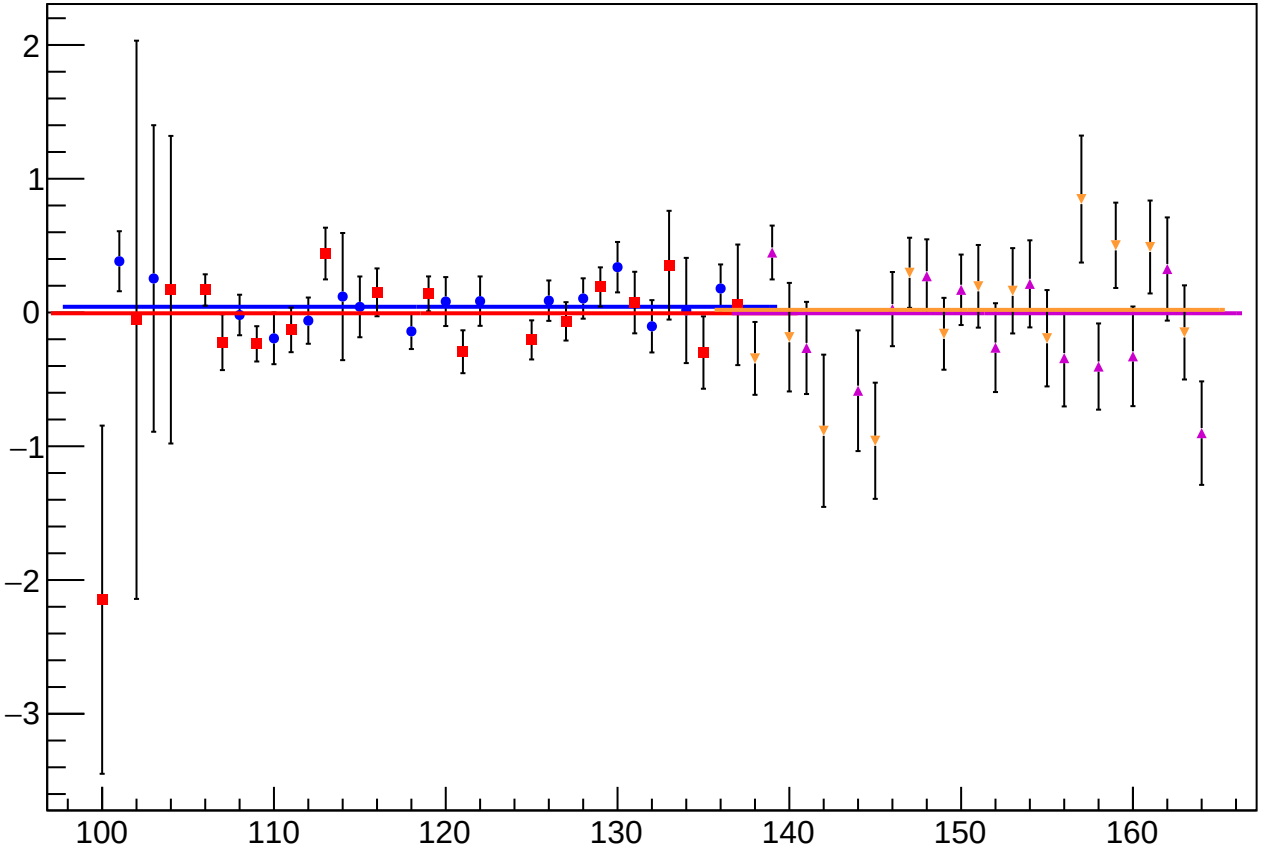
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:9487484.0/28

Out: 0.003+/-0.000 χ^2/NDF:11197876.7/30

All: 0.003+/-0.000 χ^2/NDF: 20796264.1/59

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: 0.020+/-0.093 χ^2/NDF:19.5/12

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.006+/-0.086 χ^2/NDF:19.1/12

Left: 0.006+/-0.063 χ^2/NDF: 38.6/25

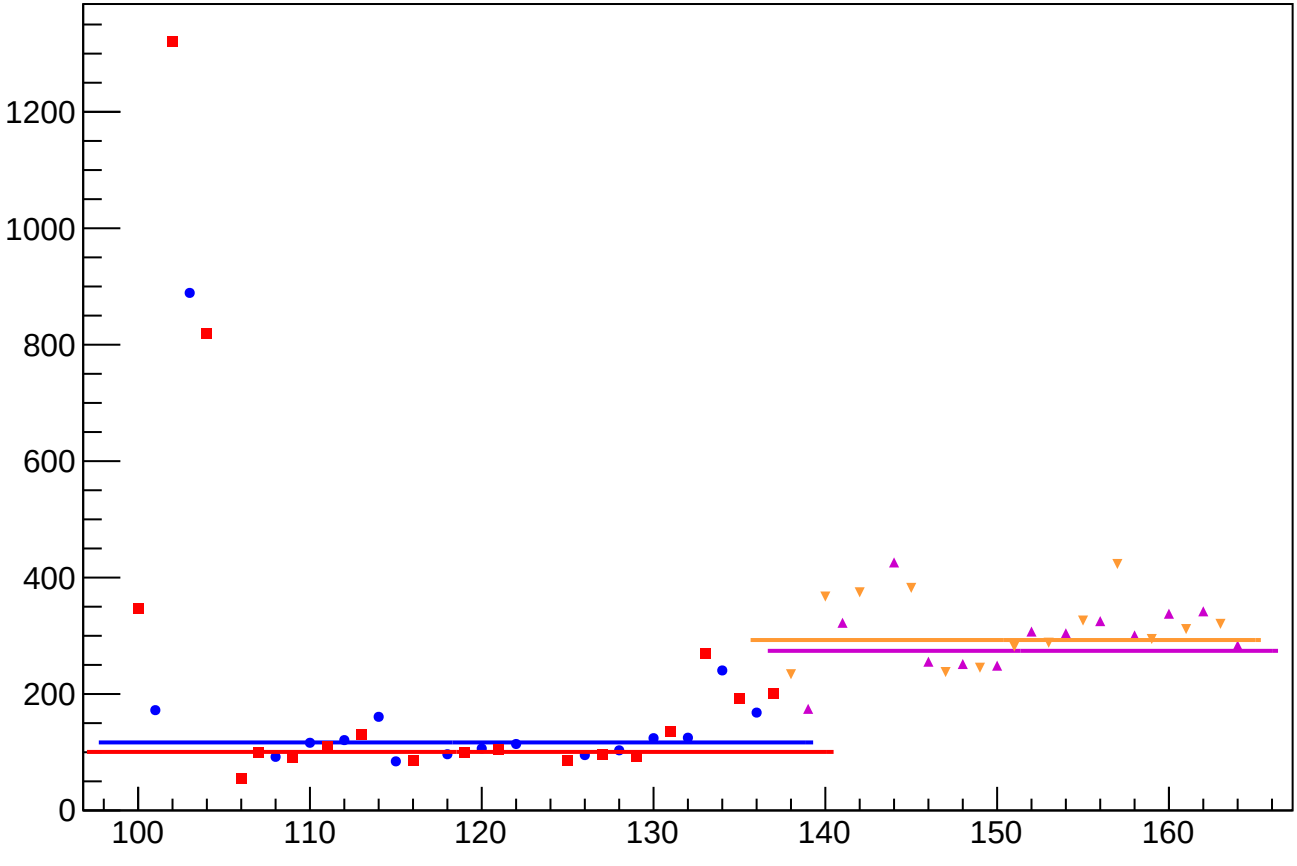
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.031+/-0.042 χ^2/NDF:29.6/28

Out: -0.001+/-0.039 χ^2/NDF:45.6/30

All: 0.014+/-0.029 χ^2/NDF: 75.5/59

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: 292.740+/-0.066 χ^2/NDF:628150.4/12

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 274.171+/-0.061 χ^2/NDF:1009034.4/12

Left: 282.713+/-0.045 χ^2/NDF: 1680006.4/25

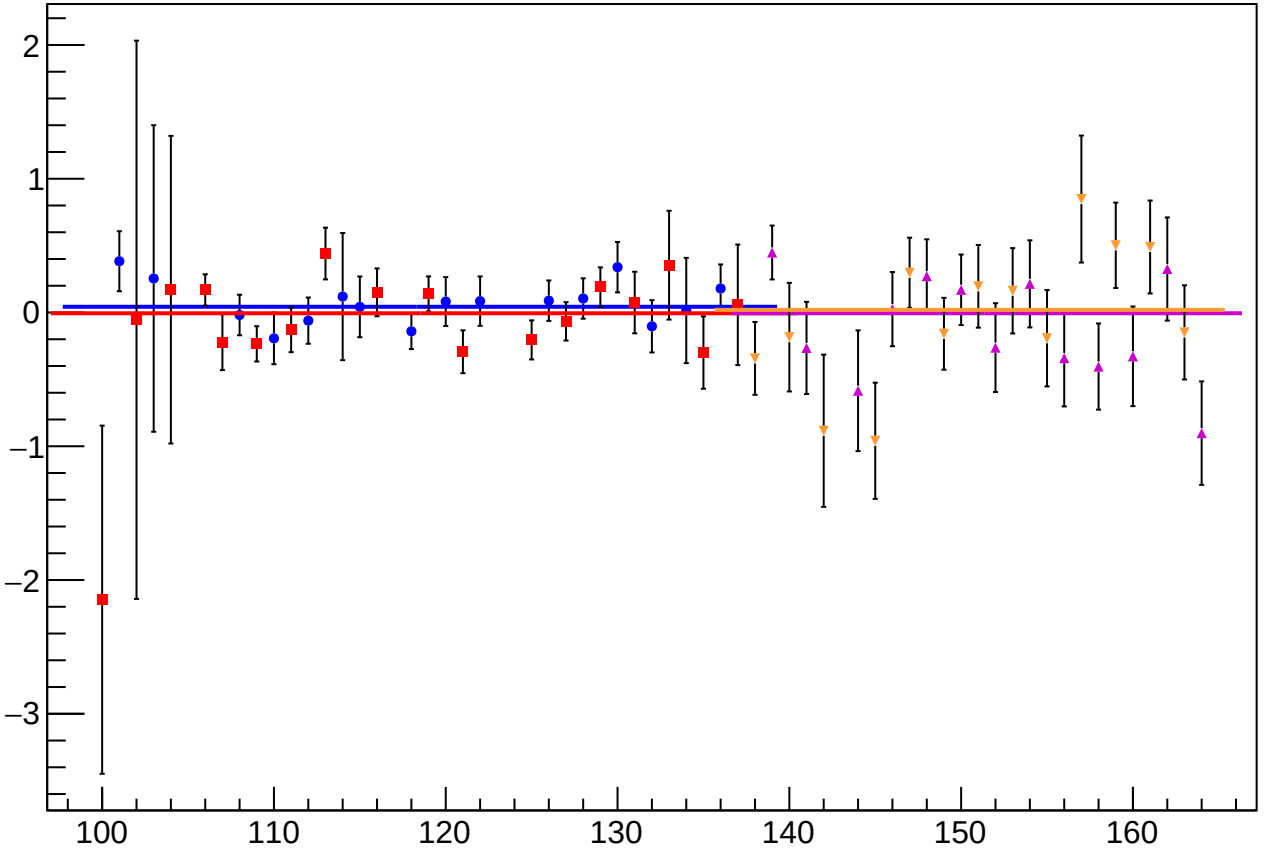
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 153.532+/-0.029 χ^2/NDF:7754211.9/28

Out: 134.735+/-0.028 χ^2/NDF:10276420.7/30

All: 143.615+/-0.020 χ^2/NDF: 18246427.7/59

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: 0.020+/-0.093 χ^2/NDF:19.5/12

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: -0.006+/-0.086 χ^2/NDF:19.1/12

Left: 0.006+/-0.063 χ^2/NDF: 38.6/25

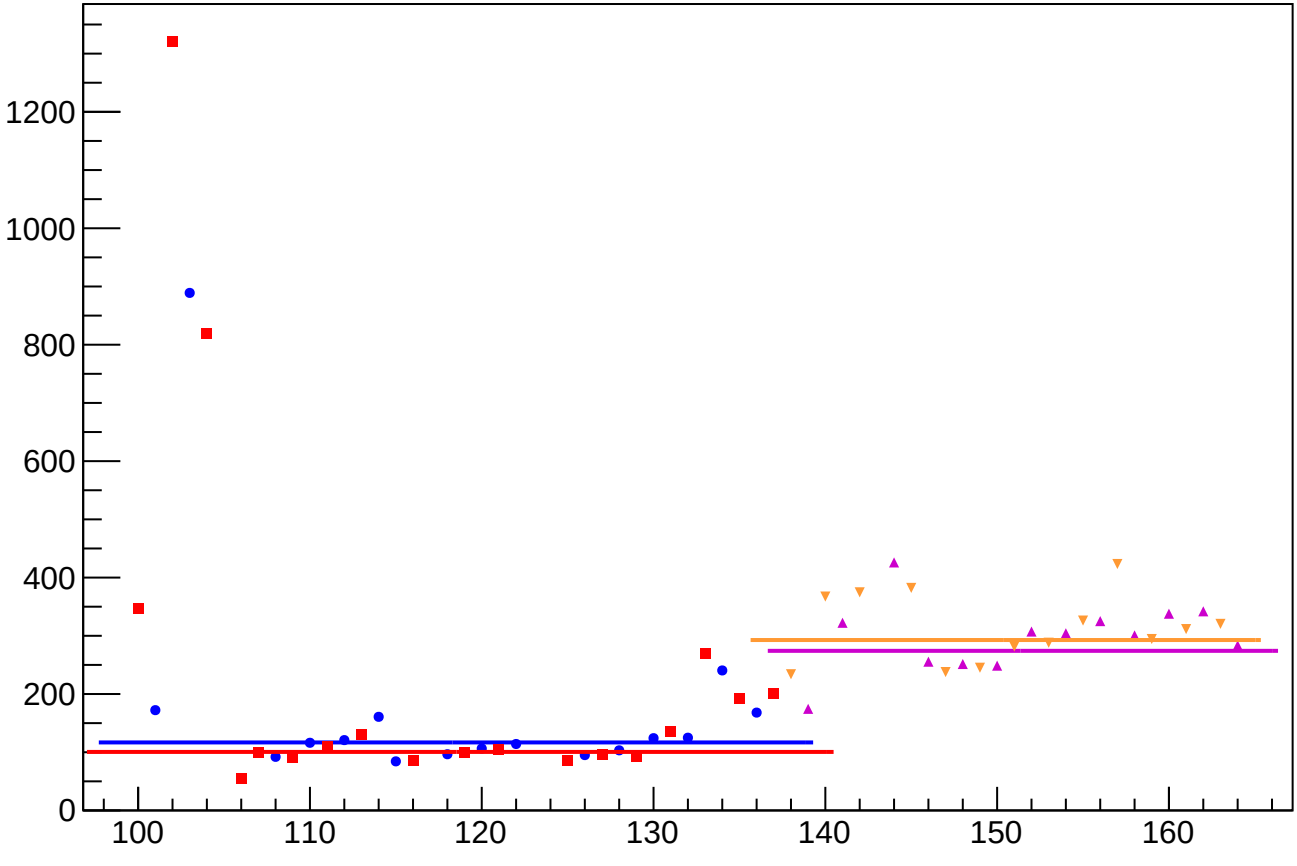
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.031+/-0.042 χ^2/NDF:29.6/28

Out: -0.001+/-0.039 χ^2/NDF:45.6/30

All: 0.014+/-0.029 χ^2/NDF: 75.5/59

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: 292.740+/-0.066 χ^2/NDF:628150.4/12

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 274.171+/-0.061 χ^2/NDF:1009034.4/12

Left: 282.713+/-0.045 χ^2/NDF: 1680006.4/25

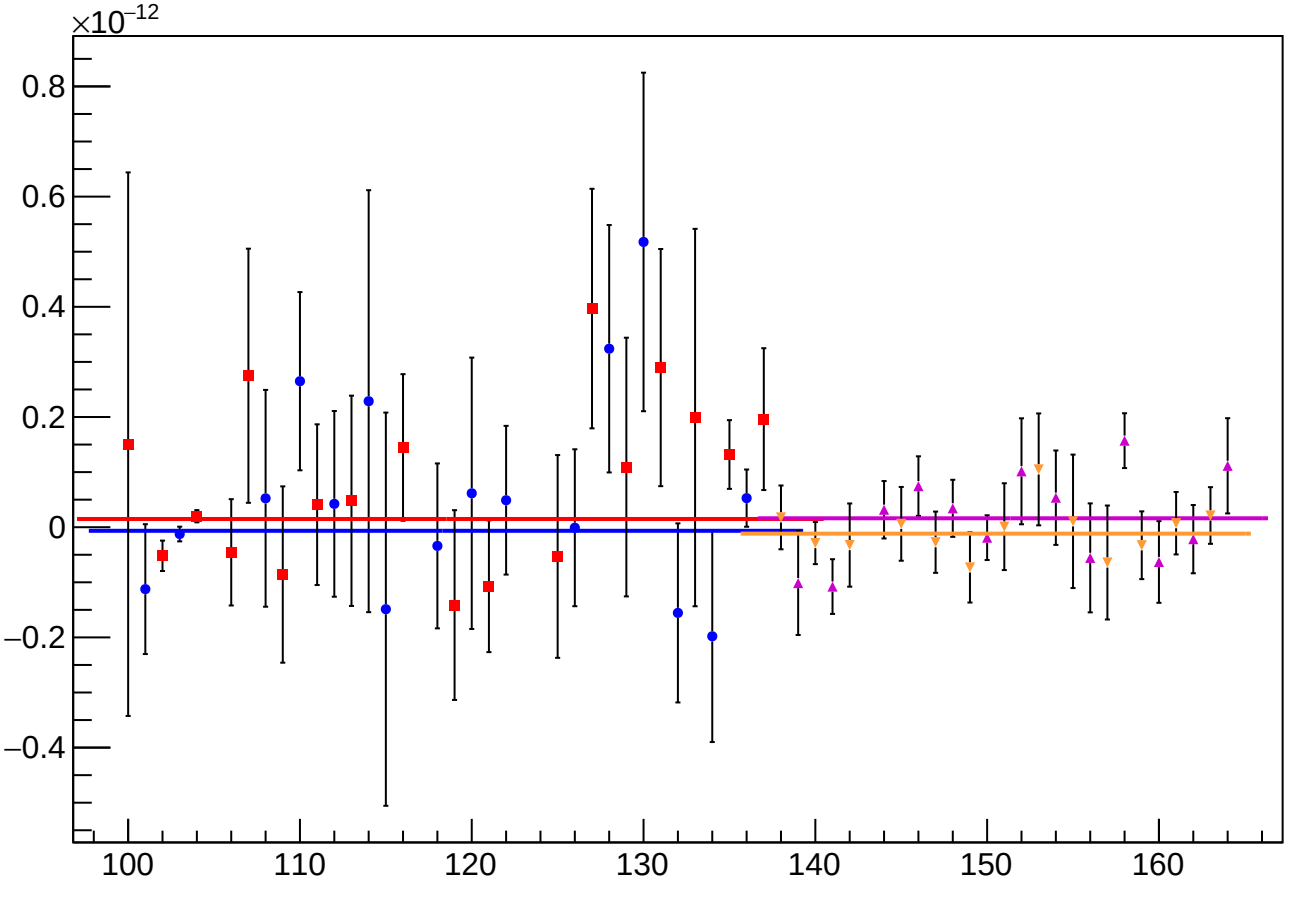
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 153.532+/-0.029 χ^2/NDF:7754211.9/28

Out: 134.735+/-0.028 χ^2/NDF:10276420.7/30

All: 143.615+/-0.020 χ^2/NDF: 18246427.7/59

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:3.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:22.2/12

Left: 0.000+/-0.000 χ^2/NDF: 27.4/25

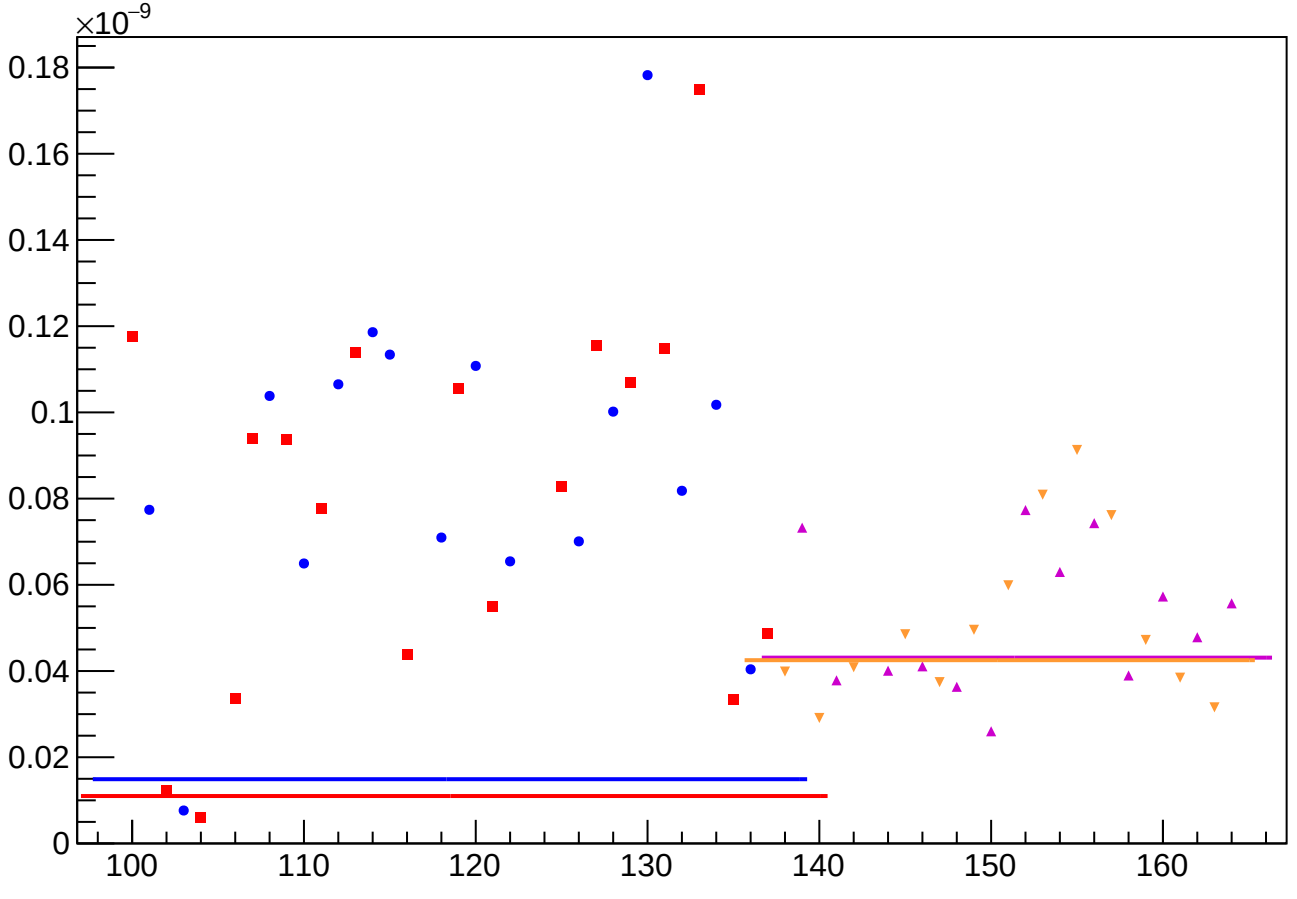
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:36.4/28

Out: 0.000+/-0.000 χ^2/NDF:27.6/30

All: 0.000+/-0.000 χ^2/NDF: 64.2/59

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1340182.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1327000.2/12

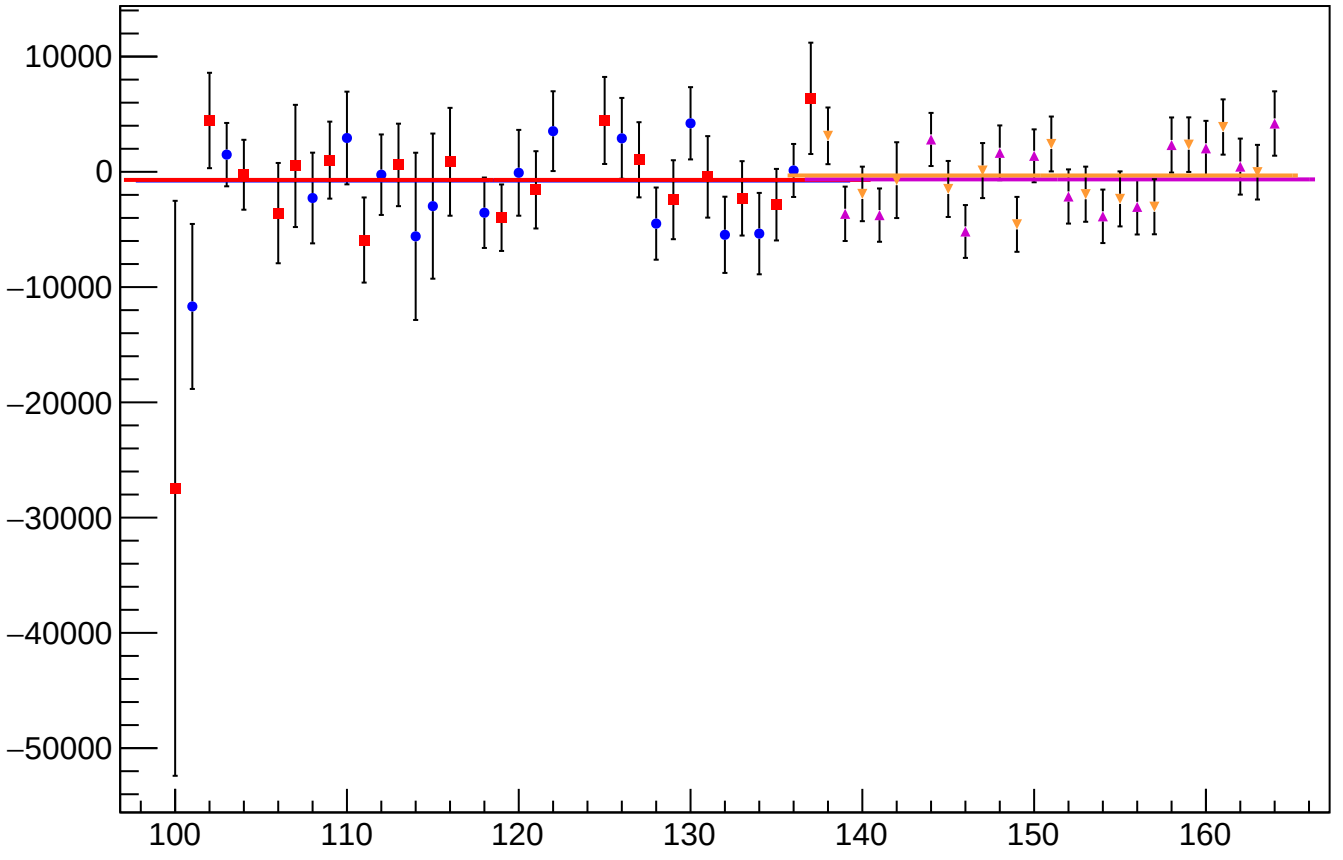
Left: 0.000+/-0.000 χ^2/NDF: 2668371.8/25

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:10848771.1/28

Out: 0.000+/-0.000 χ^2/NDF:12192896.1/30

All: 0.000+/-0.000 χ^2/NDF: 23481326.3/59



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -316.237+/-675.874 χ^2/NDF:14.0/12

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -655.916+/-659.119 χ^2/NDF:20.6/12

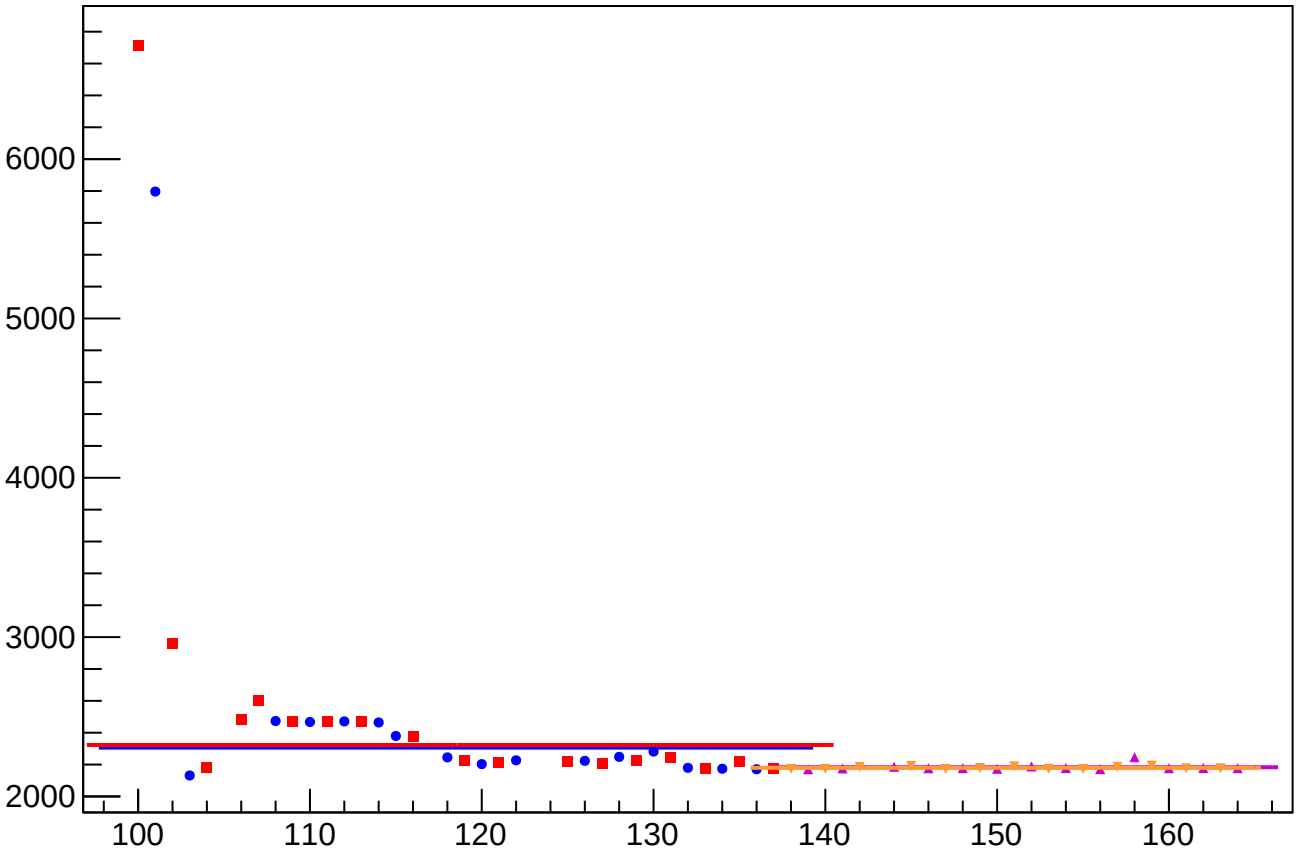
Left: -490.339+/-471.880 χ^2/NDF: 34.8/25

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -691.652+/-525.953 χ^2/NDF:36.5/28

Out: -461.784+/-533.425 χ^2/NDF:26.5/30

All: -578.339+/-374.519 χ^2/NDF: 63.1/59



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.648+/-0.478 χ^2/NDF:244.7/12

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2183.144+/-0.466 χ^2/NDF:1620.7/12

Left: 2181.440+/-0.334 χ^2/NDF: 1892.8/25

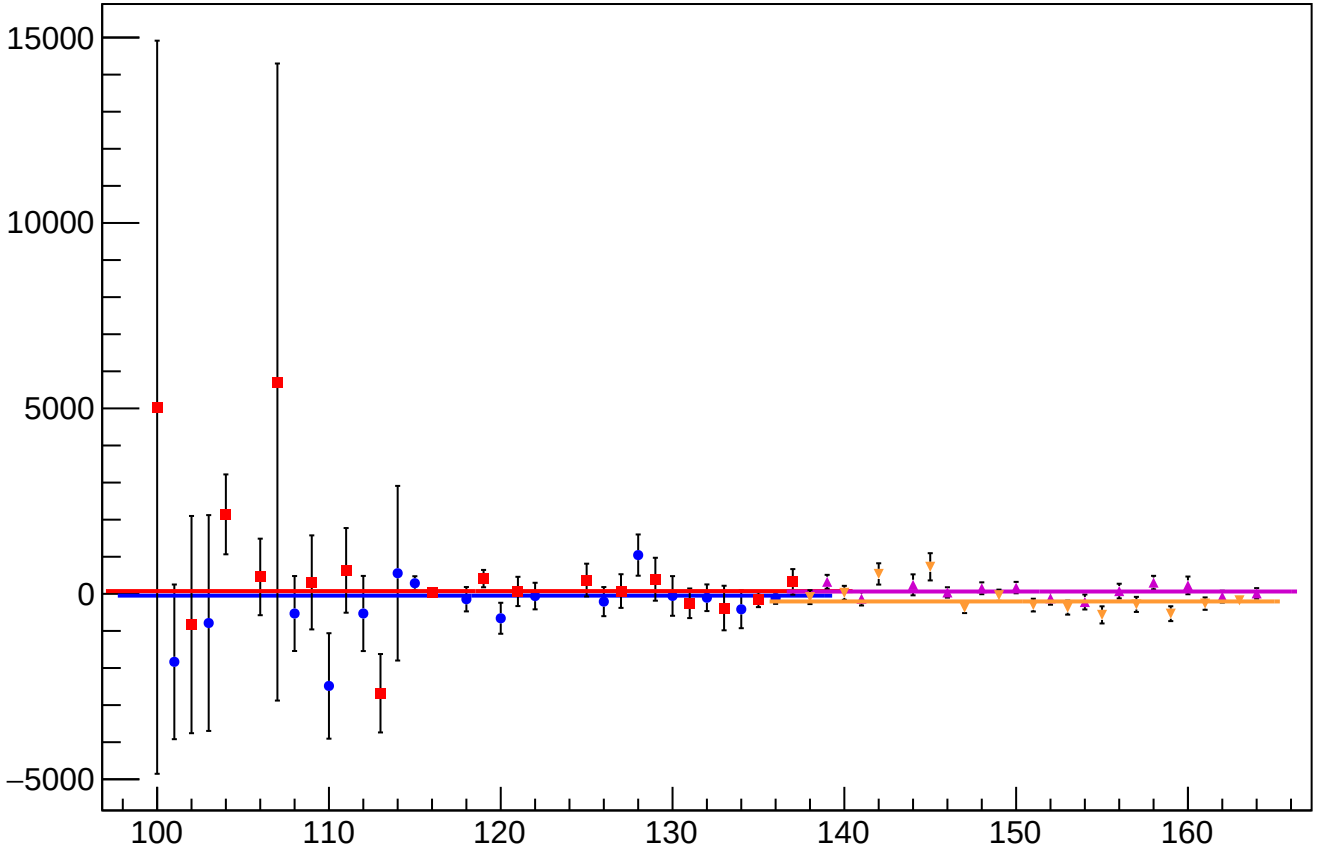
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2228.006+/-0.372 χ^2/NDF:541276.8/28

Out: 2233.710+/-0.377 χ^2/NDF:185965.6/30

All: 2230.818+/-0.265 χ^2/NDF: 727358.4/59

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: -205.008+/-50.406 χ^2/NDF:24.2/12

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 62.778+/-48.556 χ^2/NDF:10.5/12

Left: -66.110+/-34.970 χ^2/NDF: 49.3/25

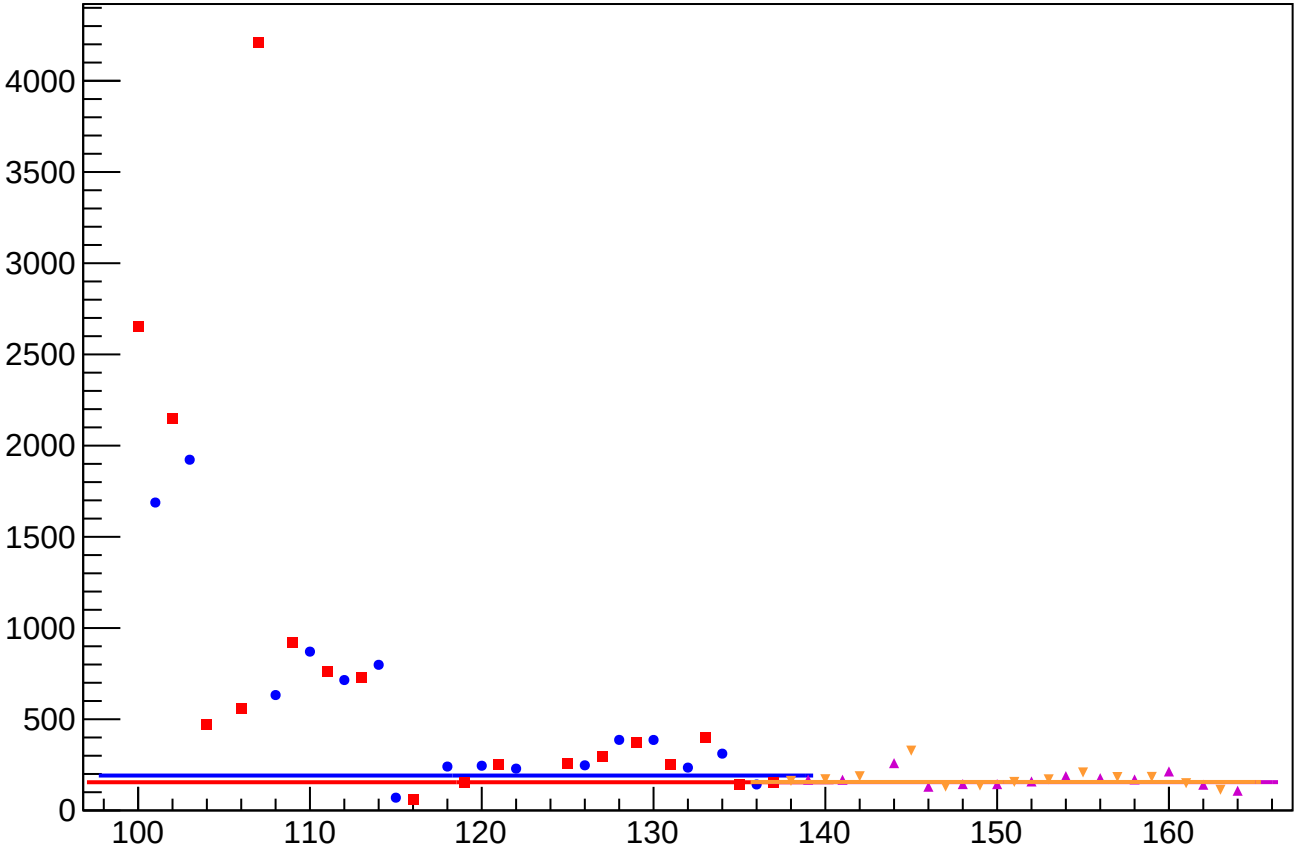
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 38.208+/-42.830 χ^2/NDF:26.0/28

Out: -128.955+/-42.997 χ^2/NDF:50.2/30

All: -45.049+/-30.344 χ^2/NDF: 83.7/59

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: 156.201+/-0.036 χ^2/NDF:984031.9/12

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 155.232+/-0.034 χ^2/NDF:825597.4/12

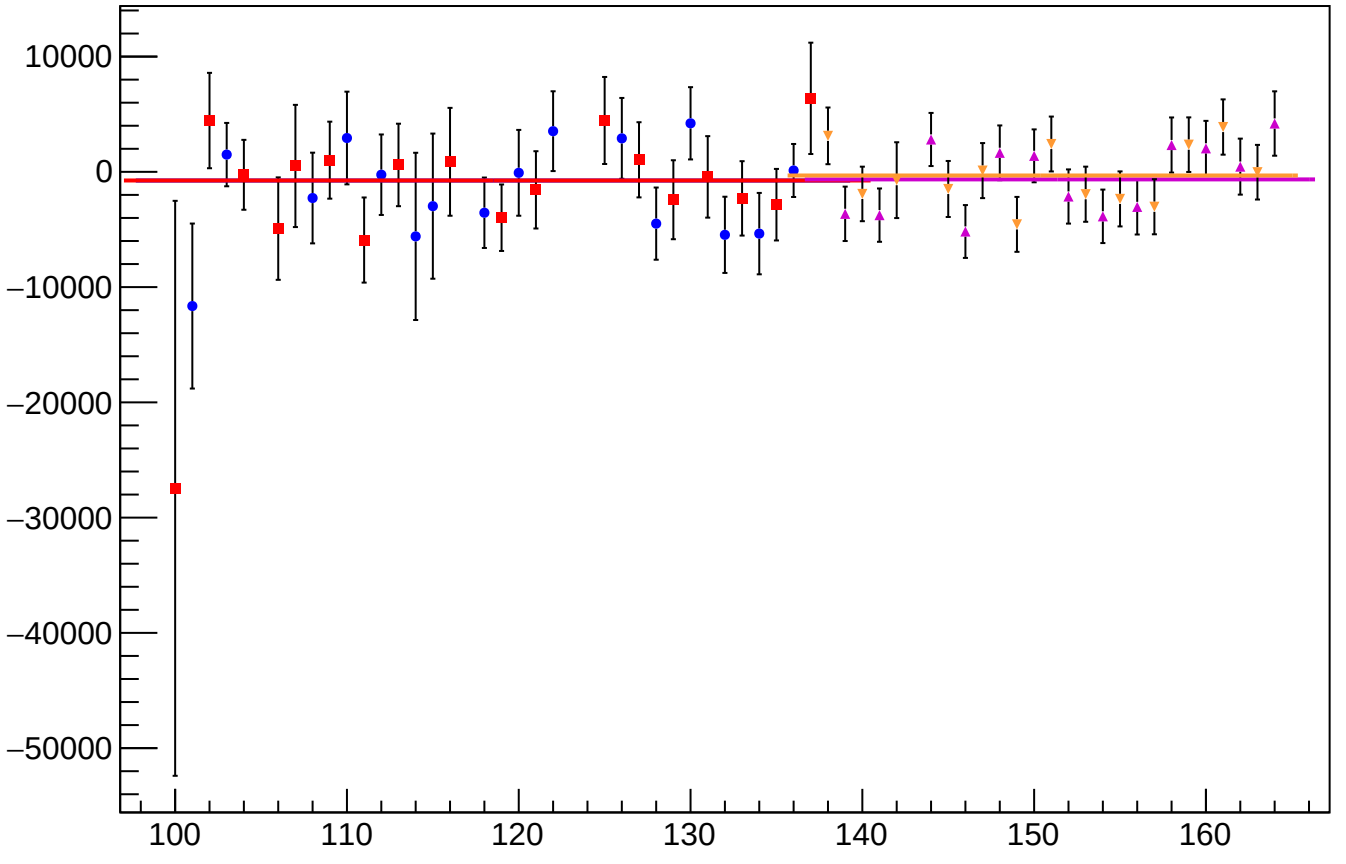
Left: 155.699+/-0.025 χ^2/NDF: 1810012.3/25

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 163.255+/-0.030 χ^2/NDF:6136354.4/28

Out: 155.786+/-0.030 χ^2/NDF:7138816.0/30

All: 159.535+/-0.021 χ^2/NDF: 13305465.9/59



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -316.221+/-675.874 χ^2/NDF:14.0/12

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -655.841+/-659.119 χ^2/NDF:20.6/12

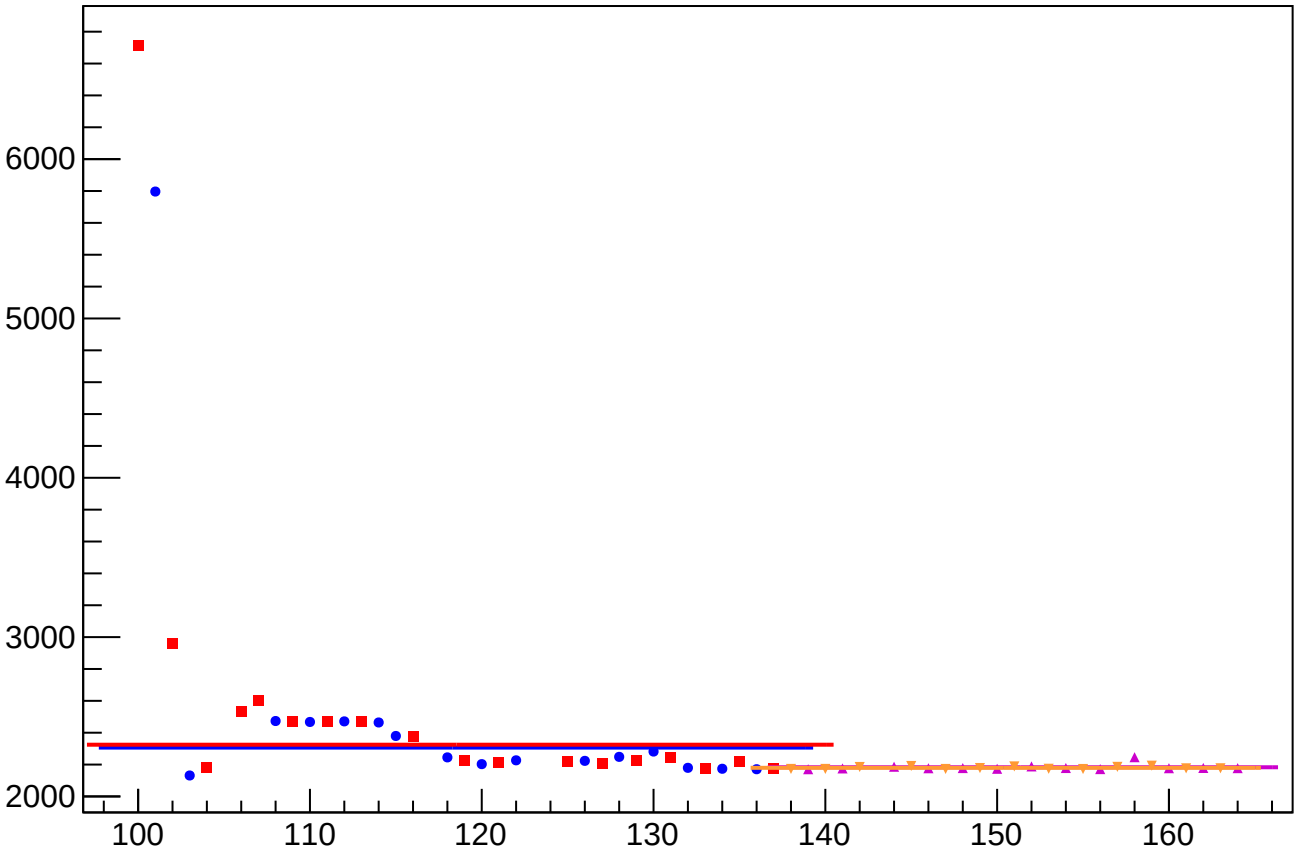
Left: -490.293+/-471.880 χ^2/NDF: 34.8/25

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -691.252+/-525.953 χ^2/NDF:36.5/28

Out: -479.374+/-533.592 χ^2/NDF:27.0/30

All: -586.840+/-374.576 χ^2/NDF: 63.6/59



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.648+/-0.478 χ^2/NDF:244.7/12

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.144+/-0.466 χ^2/NDF:1620.7/12

Left: 2181.440+/-0.334 χ^2/NDF: 1892.8/25

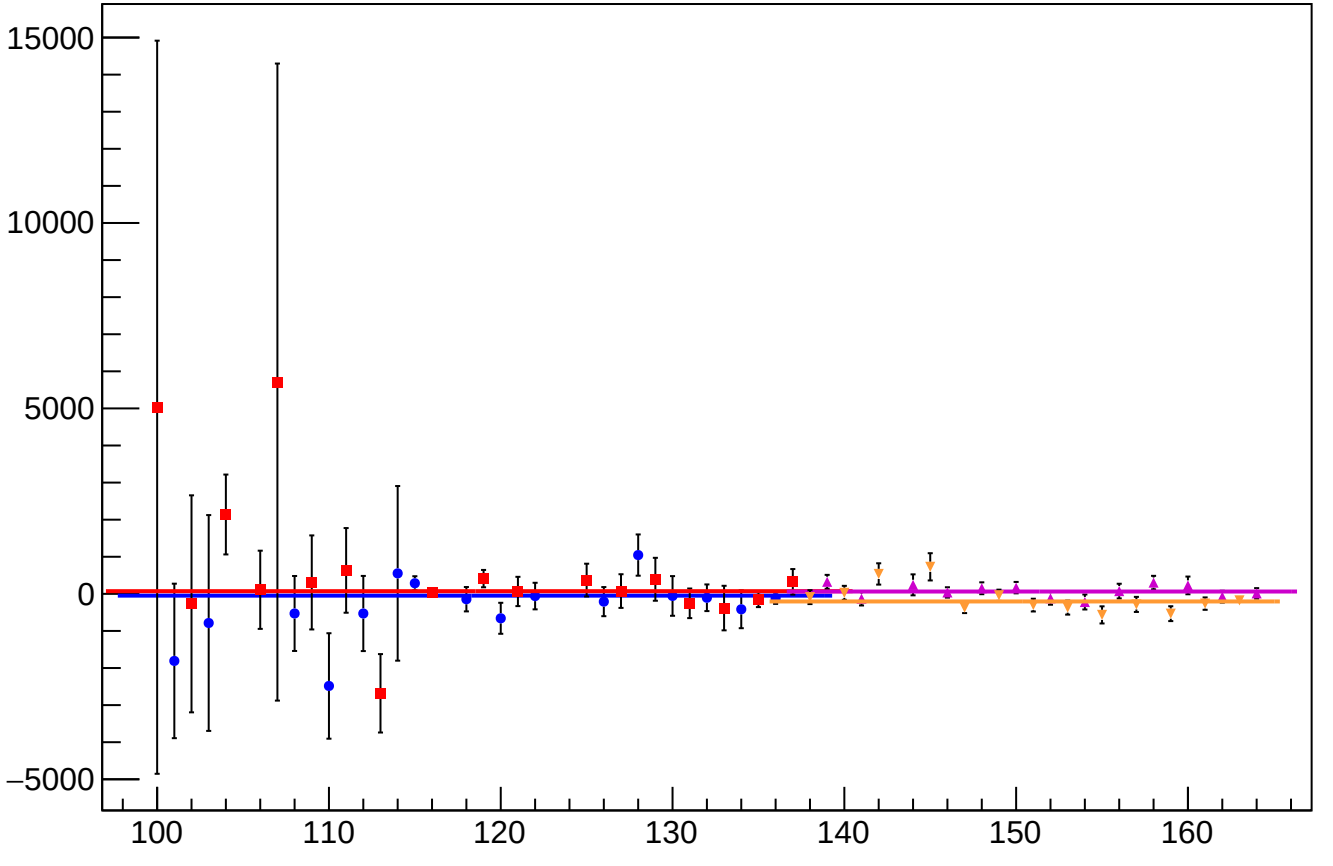
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2228.006+/-0.372 χ^2/NDF:541277.1/28

Out: 2234.285+/-0.377 χ^2/NDF:188518.5/30

All: 2231.100+/-0.265 χ^2/NDF: 729936.1/59

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: -205.000+/-50.408 χ^2/NDF:24.1/12

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 62.714+/-48.560 χ^2/NDF:10.5/12

Left: -66.147+/-34.972 χ^2/NDF: 49.2/25

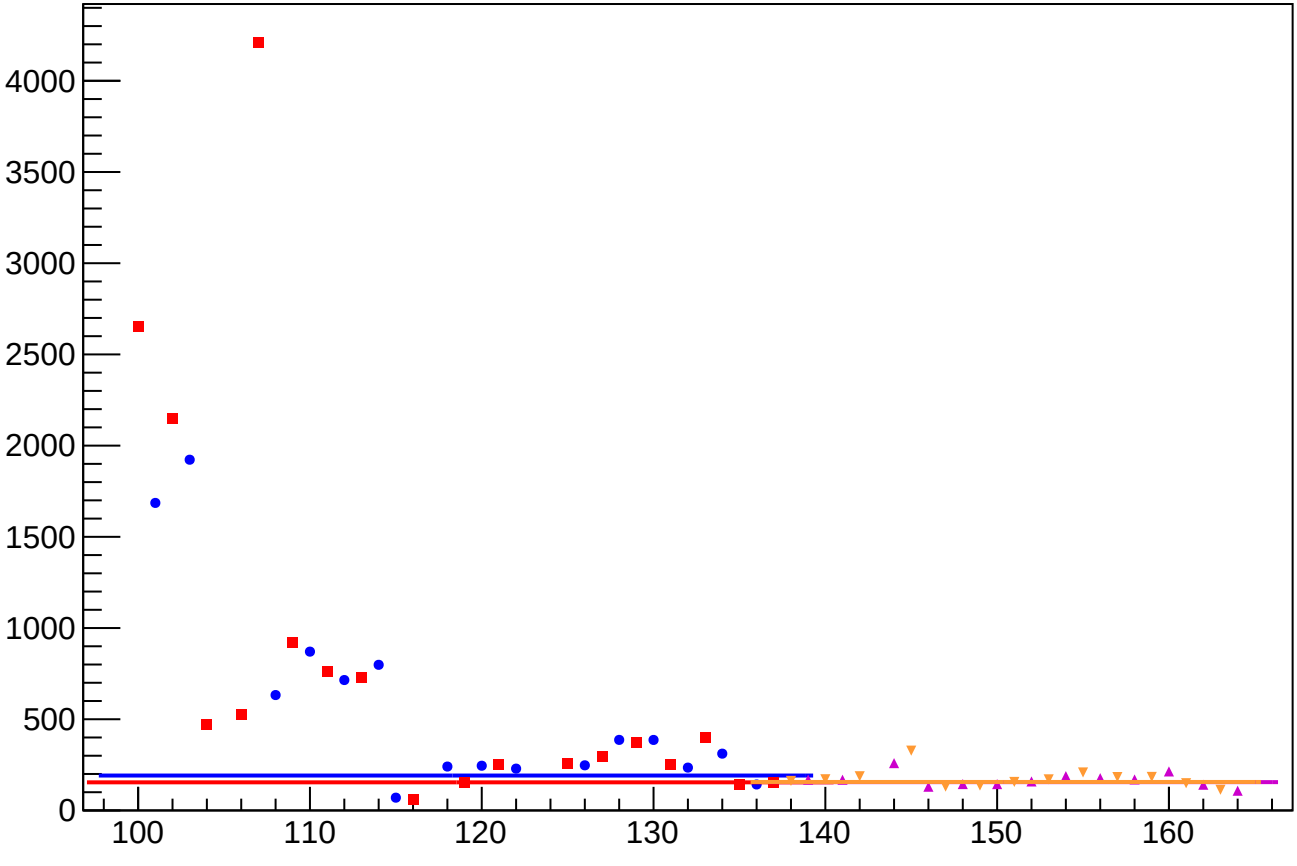
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 38.150+/-42.834 χ^2/NDF:26.0/28

Out: -129.409+/-42.989 χ^2/NDF:49.8/30

All: -45.327+/-30.343 χ^2/NDF: 83.4/59

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: 156.204+/-0.036 χ^2/NDF:984198.9/12

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 155.248+/-0.034 χ^2/NDF:825619.7/12

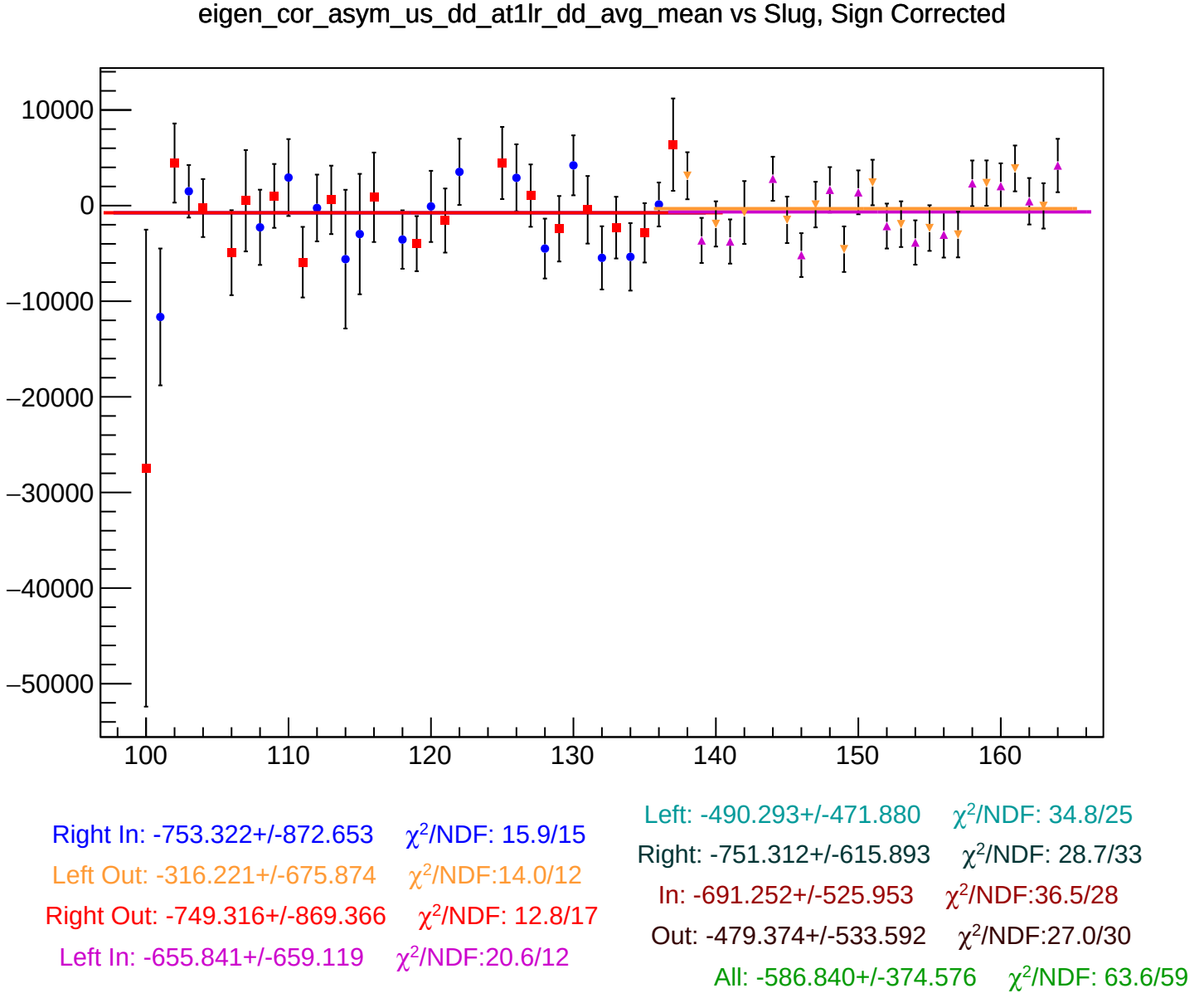
Left: 155.708+/-0.025 χ^2/NDF: 1810191.5/25

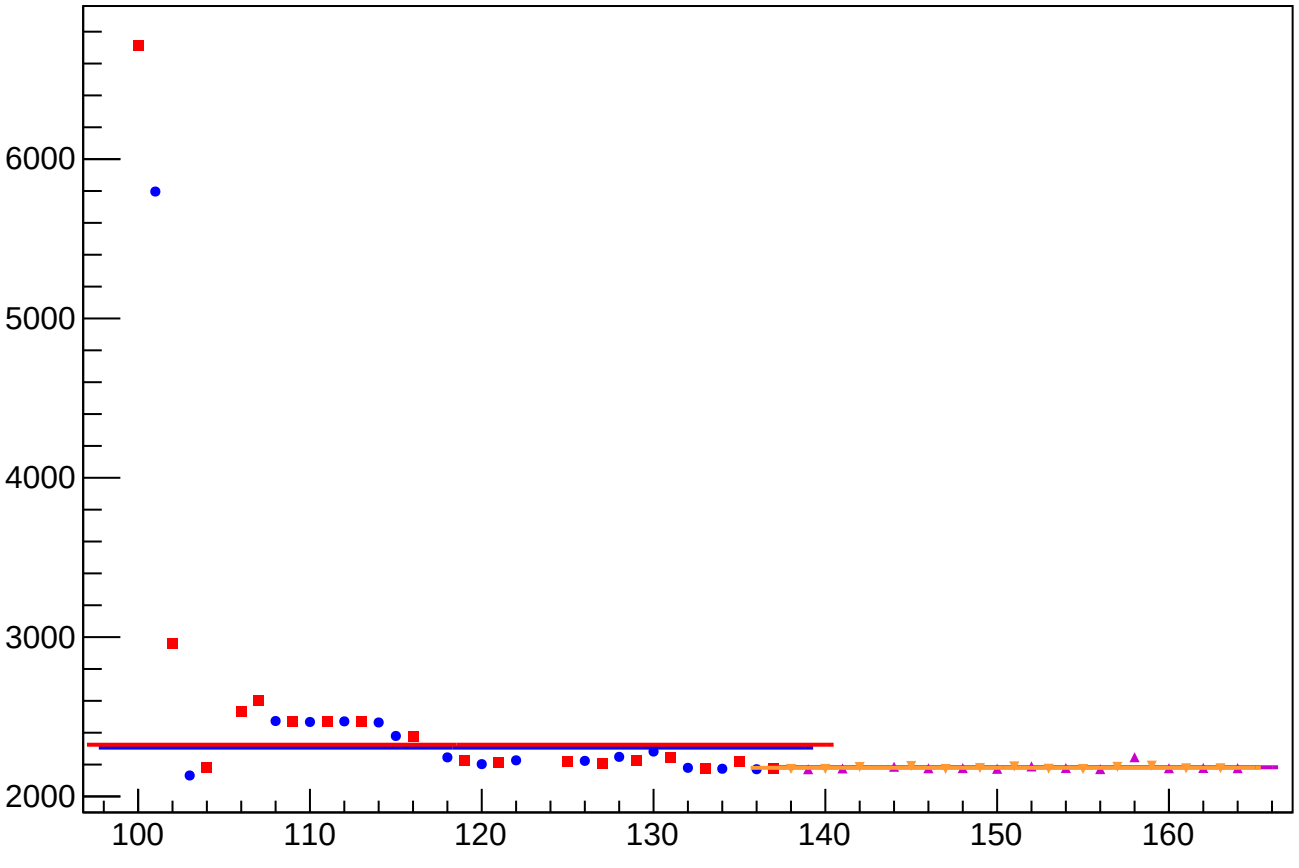
Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 163.273+/-0.030 χ^2/NDF:6135320.4/28

Out: 155.636+/-0.030 χ^2/NDF:7093794.8/30

All: 159.468+/-0.021 χ^2/NDF: 13260790.5/59


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: -753.322+/-872.653 χ²/NDF: 15.9/15
Left Out: -316.221+/-675.874 χ²/NDF:14.0/12
Right Out: -749.316+/-869.366 χ²/NDF: 12.8/17
Left In: -655.841+/-659.119 χ²/NDF:20.6/12
Left: -490.293+/-471.880 χ²/NDF: 34.8/25
Right: -751.312+/-615.893 χ²/NDF: 28.7/33
In: -691.252+/-525.953 χ²/NDF:36.5/28
Out: -479.374+/-533.592 χ²/NDF:27.0/30
All: -586.840+/-374.576 χ²/NDF: 63.6/59



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.648+/-0.478 χ^2/NDF:244.7/12

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.144+/-0.466 χ^2/NDF:1620.7/12

Left: 2181.440+/-0.334 χ^2/NDF: 1892.8/25

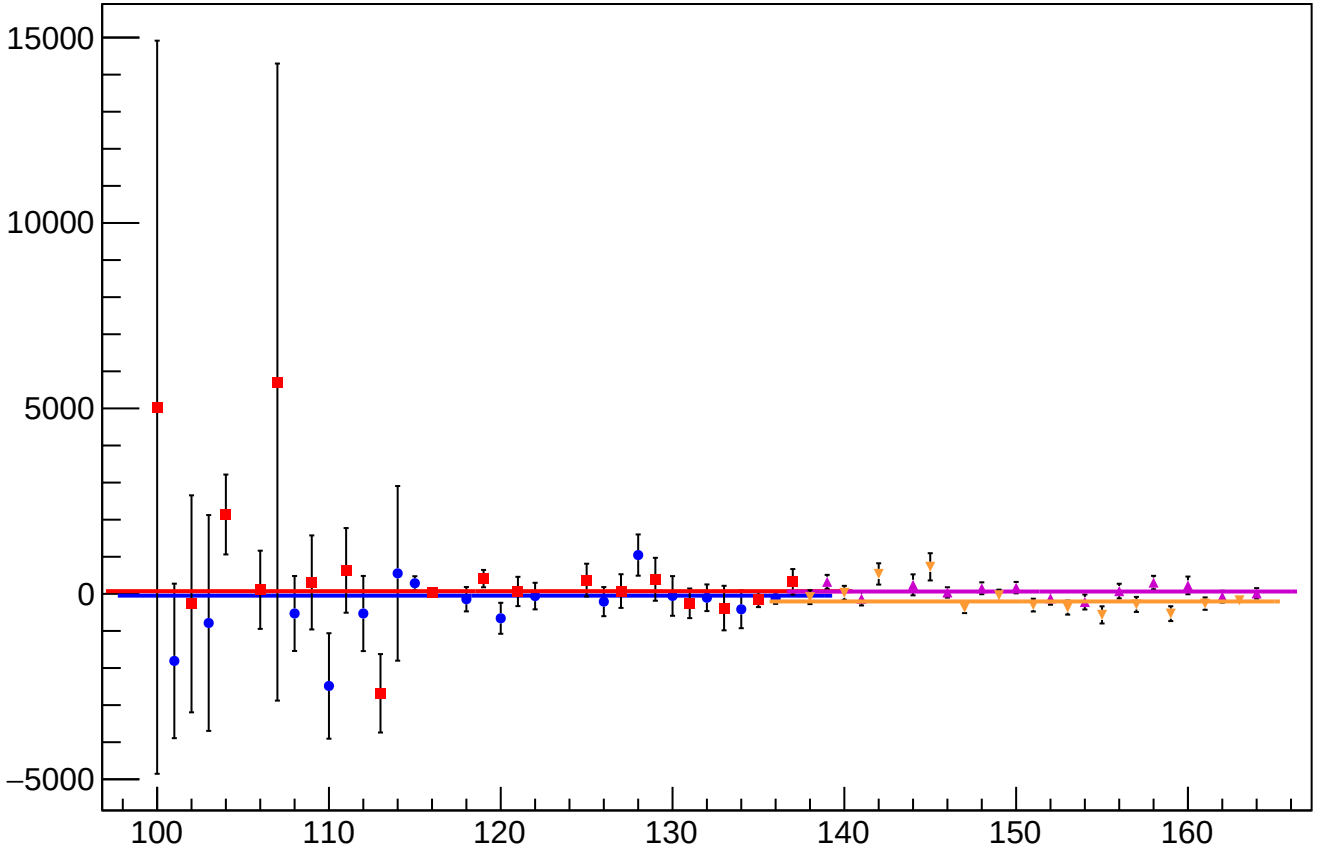
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2228.006+/-0.372 χ^2/NDF:541277.1/28

Out: 2234.285+/-0.377 χ^2/NDF:188518.5/30

All: 2231.100+/-0.265 χ^2/NDF: 729936.1/59

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: -205.000+/-50.408 χ^2/NDF:24.1/12

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 62.714+/-48.560 χ^2/NDF:10.5/12

Left: -66.147+/-34.972 χ^2/NDF: 49.2/25

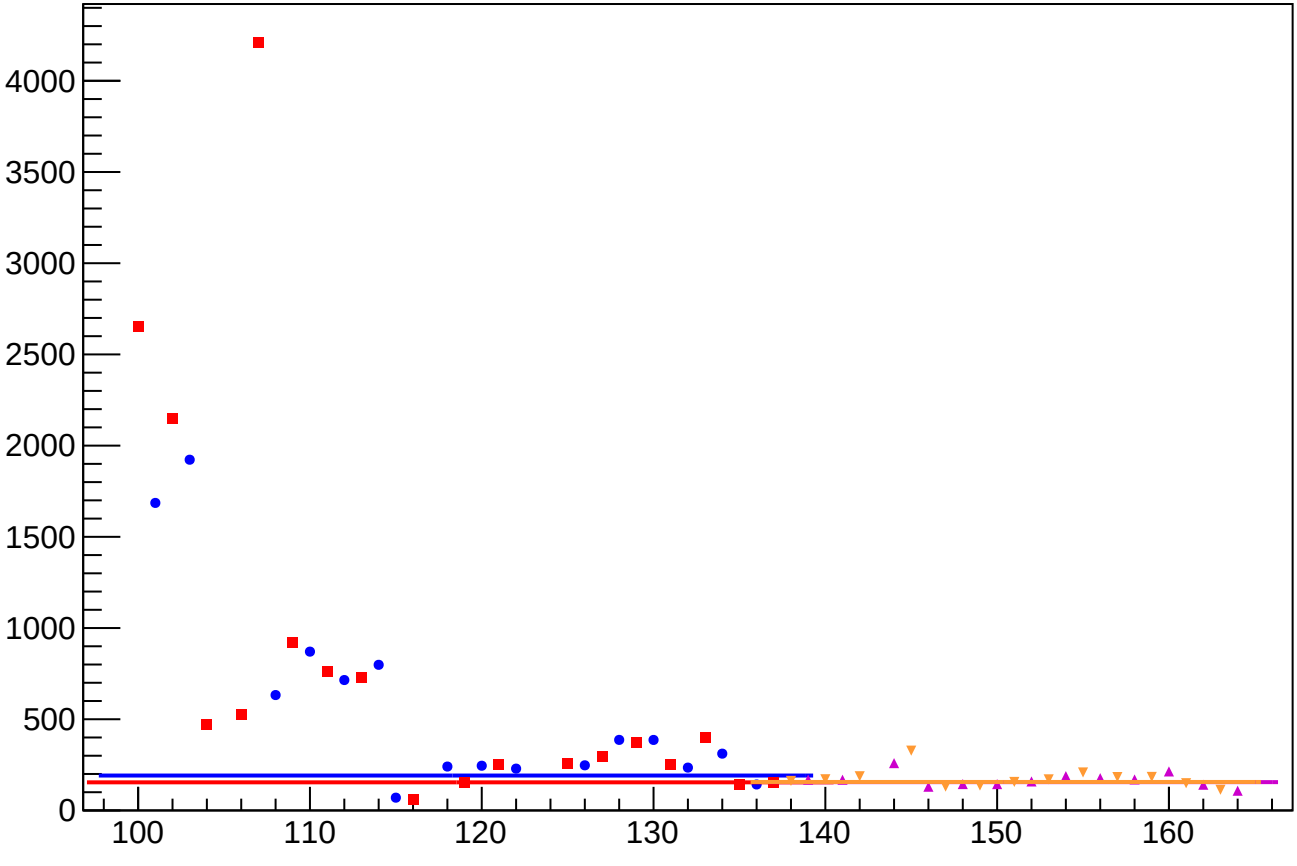
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 38.150+/-42.834 χ^2/NDF:26.0/28

Out: -129.409+/-42.989 χ^2/NDF:49.8/30

All: -45.327+/-30.343 χ^2/NDF: 83.4/59

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: 156.204+/-0.036 χ^2/NDF:984198.9/12

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 155.248+/-0.034 χ^2/NDF:825619.7/12

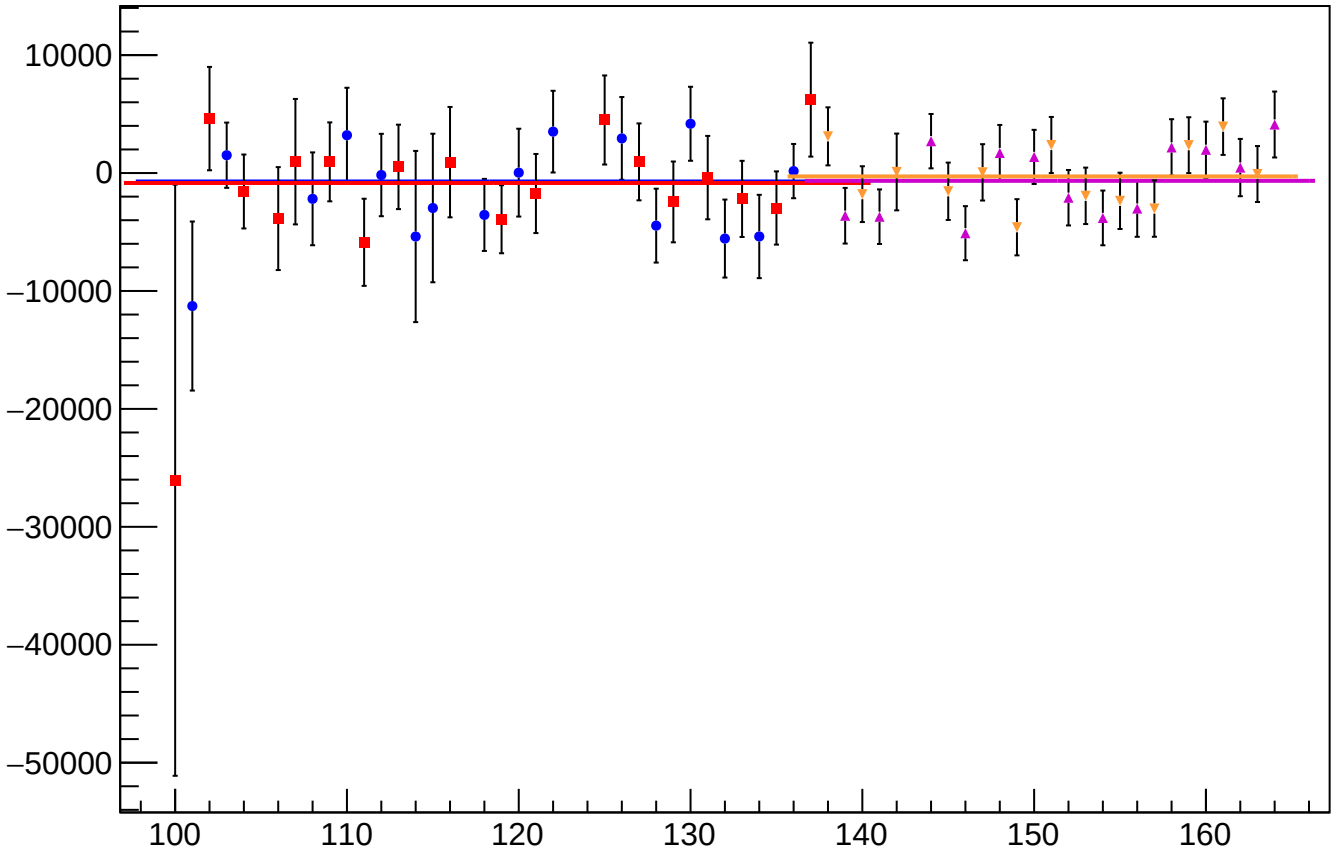
Left: 155.708+/-0.025 χ^2/NDF: 1810191.5/25

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 163.273+/-0.030 χ^2/NDF:6135320.4/28

Out: 155.636+/-0.030 χ^2/NDF:7093794.8/30

All: 159.468+/-0.021 χ^2/NDF: 13260790.5/59



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -286.044+/-675.787 χ^2/NDF:14.0/12

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -659.613+/-659.357 χ^2/NDF:19.9/12

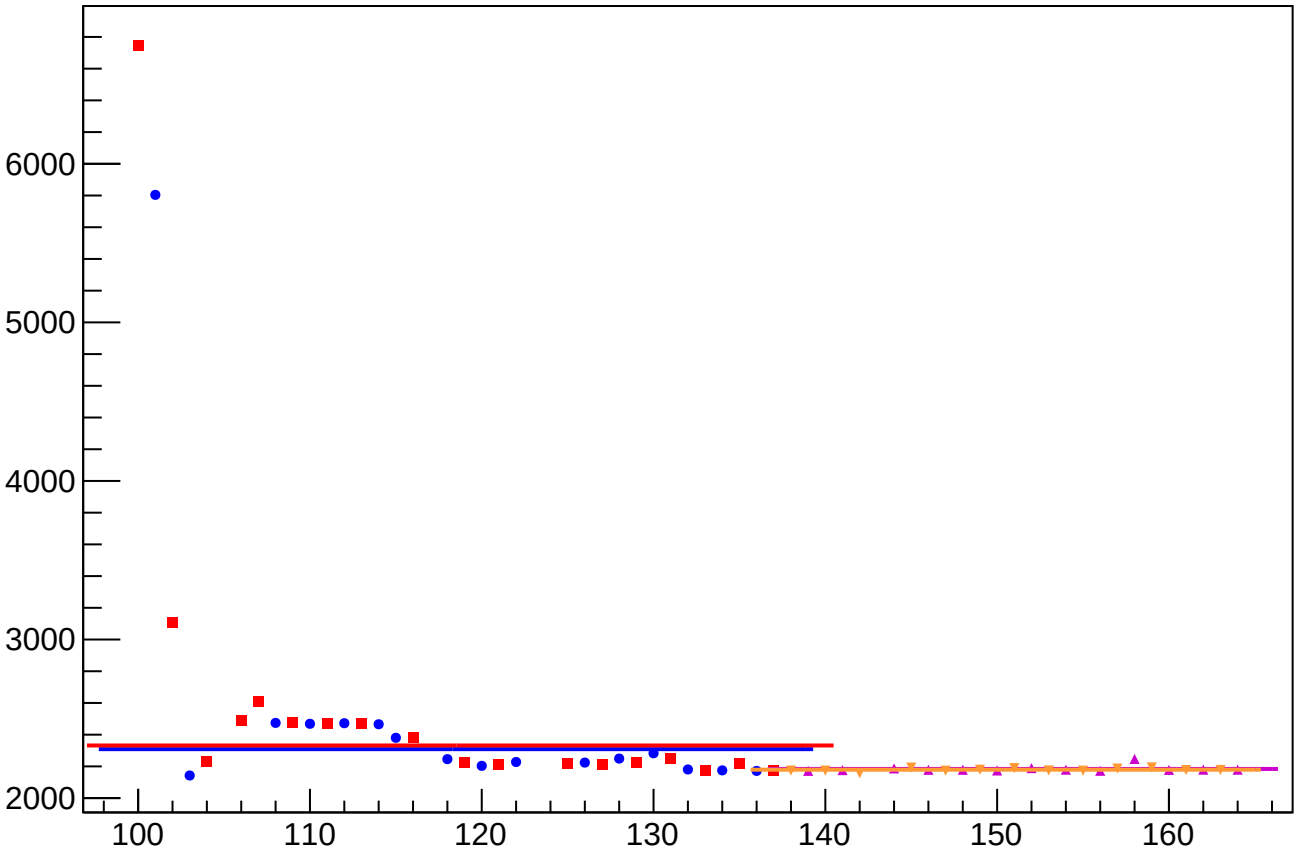
Left: -477.425+/-471.938 χ^2/NDF: 34.1/25

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -680.491+/-526.268 χ^2/NDF:35.7/28

Out: -494.244+/-534.520 χ^2/NDF:26.4/30

All: -588.816+/-375.011 χ^2/NDF: 62.2/59



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.119+/-0.478 χ^2/NDF:344.7/12

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2183.936+/-0.466 χ^2/NDF:1612.6/12

Left: 2181.587+/-0.334 χ^2/NDF: 2009.4/25

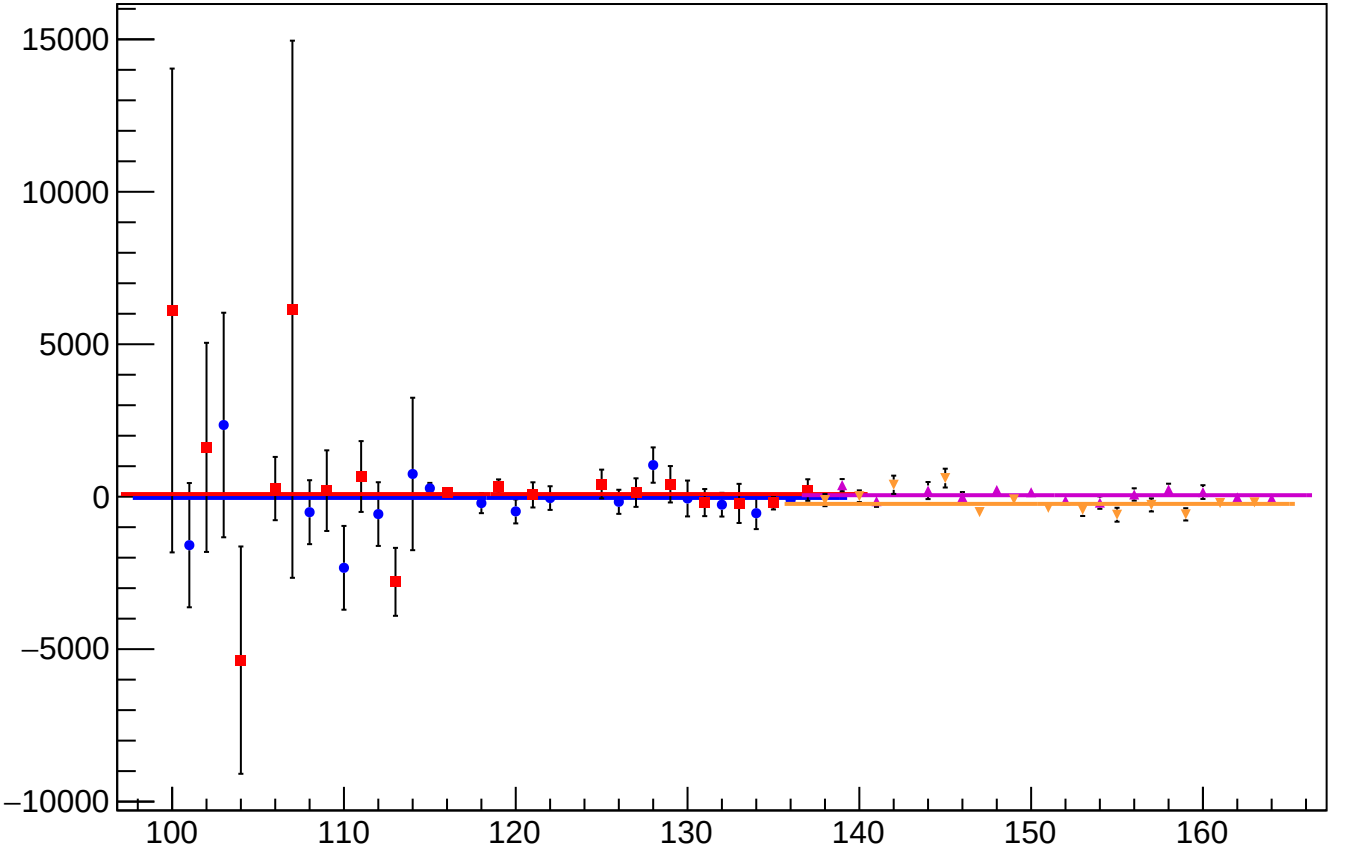
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2229.233+/-0.372 χ^2/NDF:541362.0/28

Out: 2236.299+/-0.378 χ^2/NDF:205911.7/30

All: 2232.711+/-0.265 χ^2/NDF: 747451.1/59

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: -235.853+/-50.480 χ^2/NDF:25.1/12

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 48.880+/-48.790 χ^2/NDF:10.6/12

Left: -88.640+/-35.082 χ^2/NDF: 52.2/25

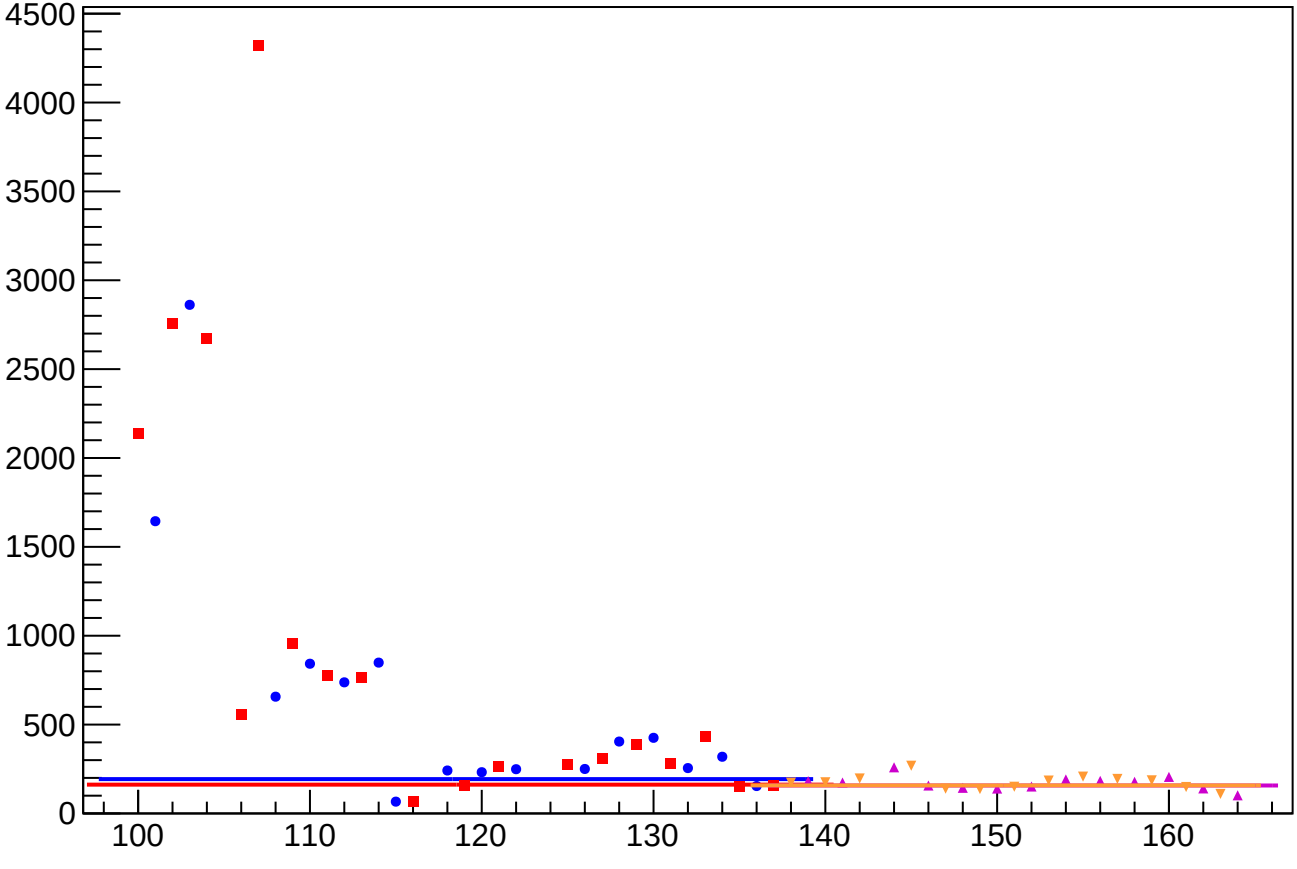
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 29.478+/-43.146 χ^2/NDF:25.4/28

Out: -153.405+/-43.546 χ^2/NDF:50.5/30

All: -61.119+/-30.649 χ^2/NDF: 84.8/59

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: 157.856+/-0.036 χ^2/NDF:938323.2/12

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 157.358+/-0.034 χ^2/NDF:936456.2/12

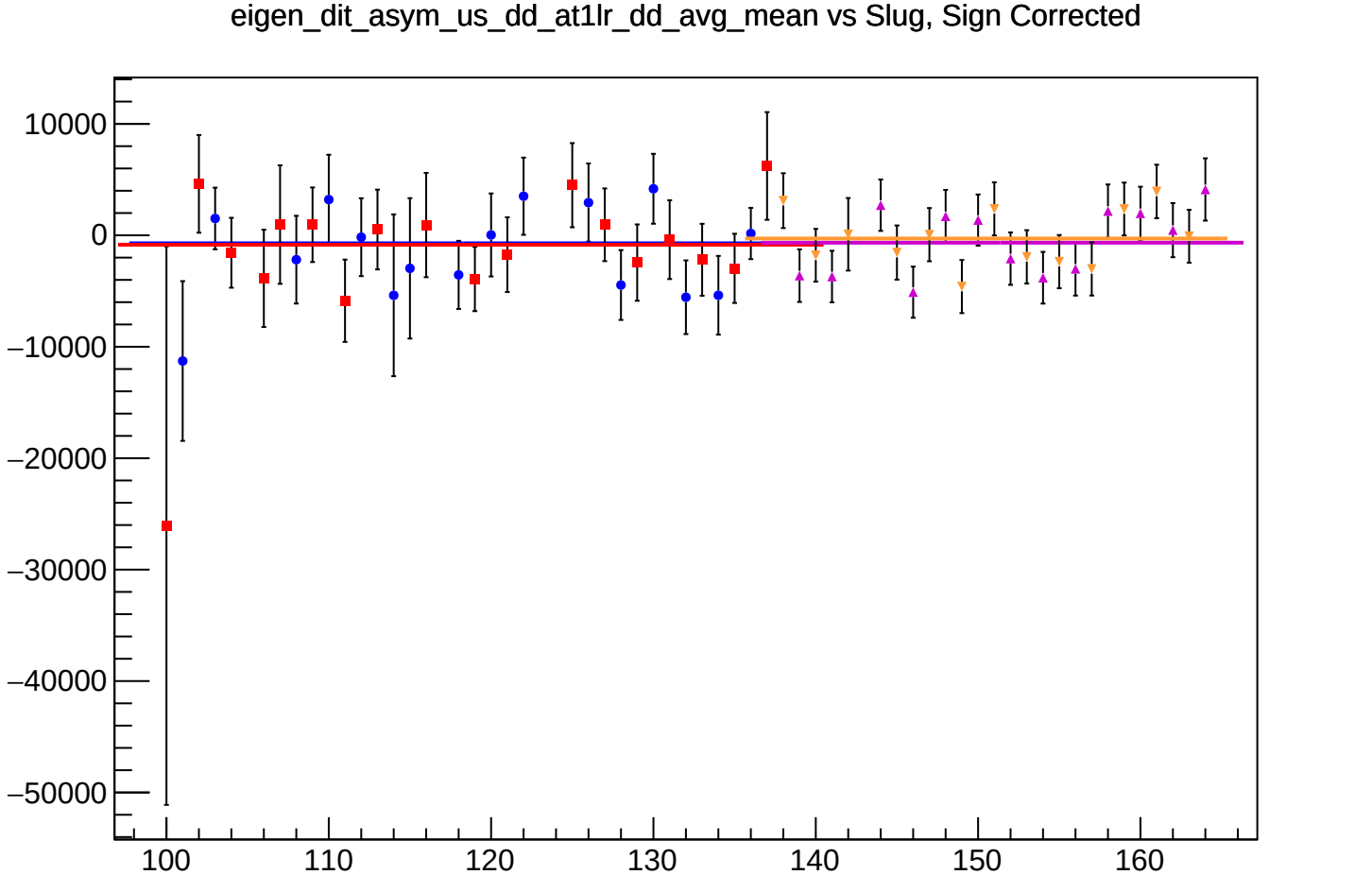
Left: 157.598+/-0.025 χ^2/NDF: 1874880.1/25

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 165.183+/-0.031 χ^2/NDF:6790318.9/28

Out: 158.945+/-0.031 χ^2/NDF:8012453.2/30

All: 162.093+/-0.022 χ^2/NDF: 14823480.1/59



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -286.046+/-675.787 χ^2/NDF:14.0/12

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -659.613+/-659.357 χ^2/NDF:19.9/12

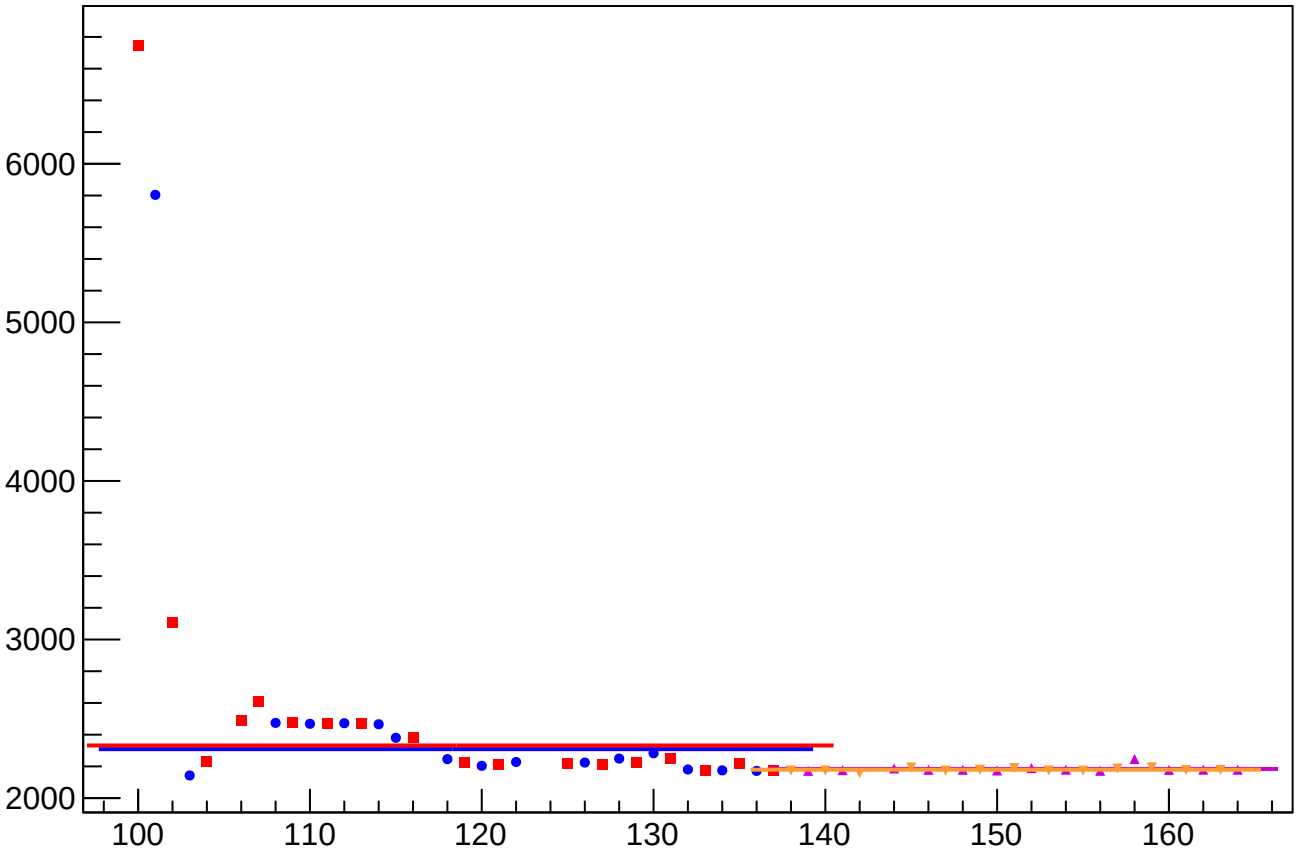
Left: -477.425+/-471.938 χ^2/NDF: 34.1/25

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -680.491+/-526.268 χ^2/NDF:35.7/28

Out: -494.245+/-534.520 χ^2/NDF:26.4/30

All: -588.817+/-375.011 χ^2/NDF: 62.2/59



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.119+/-0.478 χ^2/NDF:344.7/12

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2183.936+/-0.466 χ^2/NDF:1612.6/12

Left: 2181.587+/-0.334 χ^2/NDF: 2009.4/25

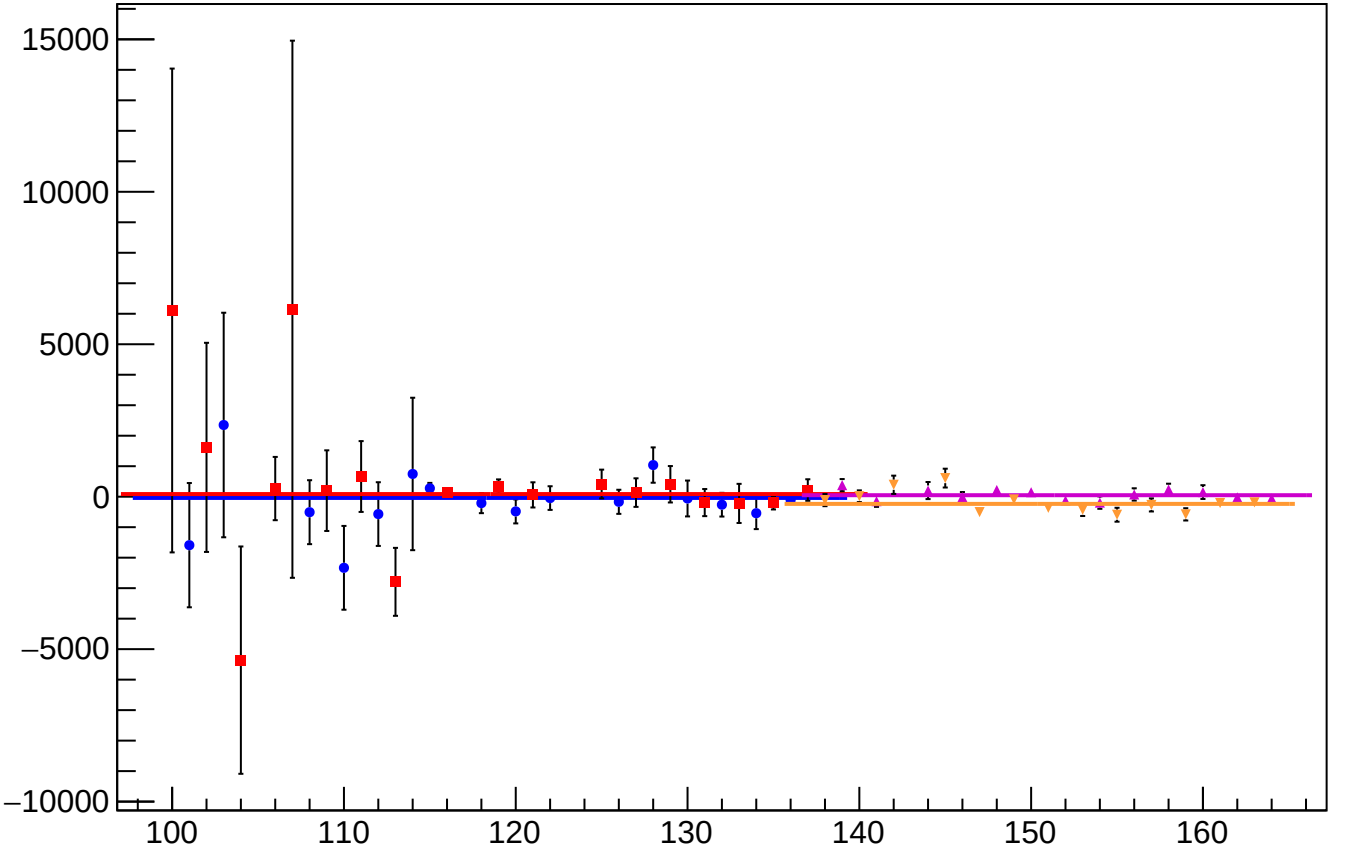
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2229.233+/-0.372 χ^2/NDF:541362.0/28

Out: 2236.299+/-0.378 χ^2/NDF:205911.6/30

All: 2232.711+/-0.265 χ^2/NDF: 747451.0/59

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: -235.854+/-50.480 χ^2/NDF:25.1/12

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 48.878+/-48.790 χ^2/NDF:10.6/12

Left: -88.642+/-35.082 χ^2/NDF: 52.2/25

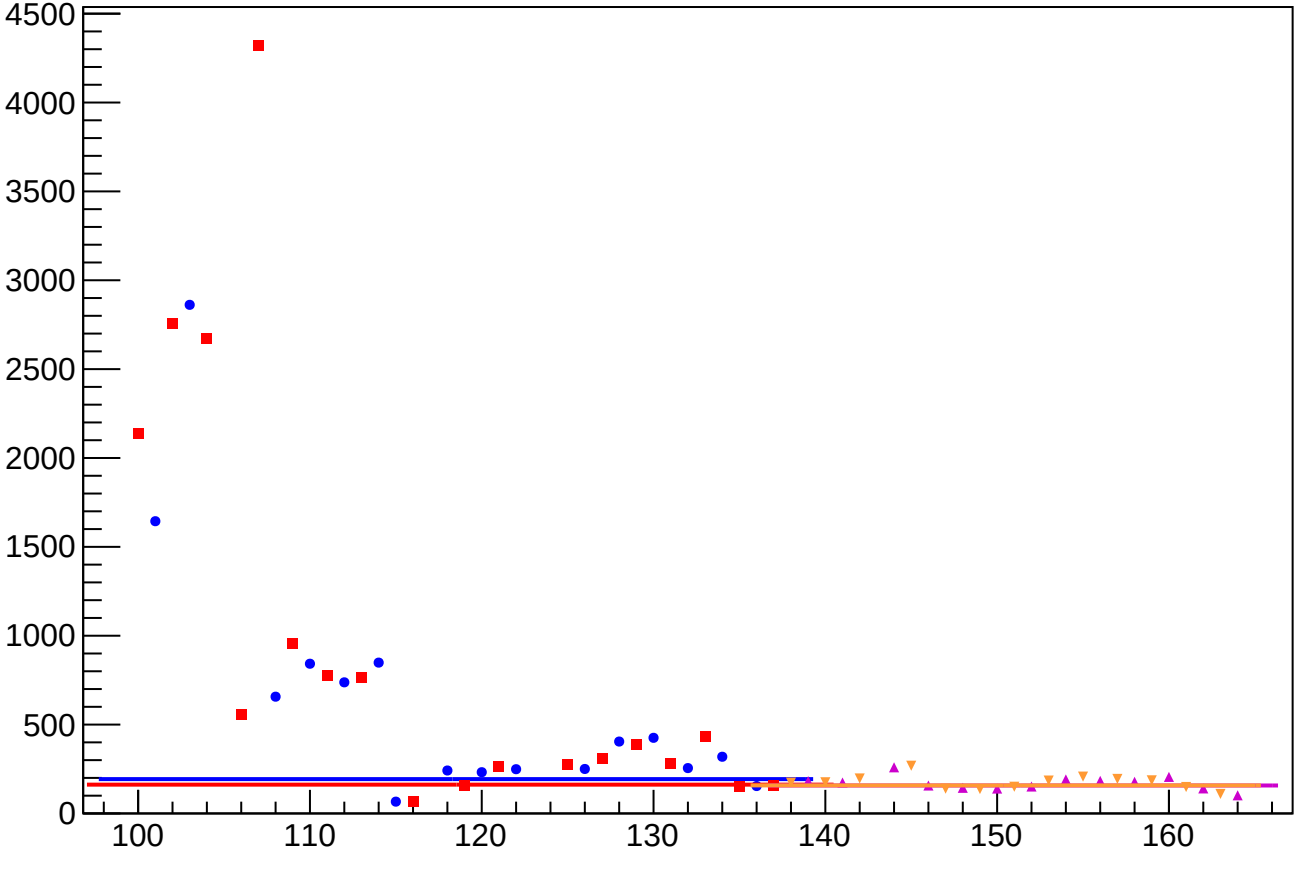
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 29.477+/-43.146 χ^2/NDF:25.4/28

Out: -153.404+/-43.546 χ^2/NDF:50.5/30

All: -61.119+/-30.649 χ^2/NDF: 84.8/59

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: 157.856+/-0.036 χ^2/NDF:938355.9/12

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 157.358+/-0.034 χ^2/NDF:936503.0/12

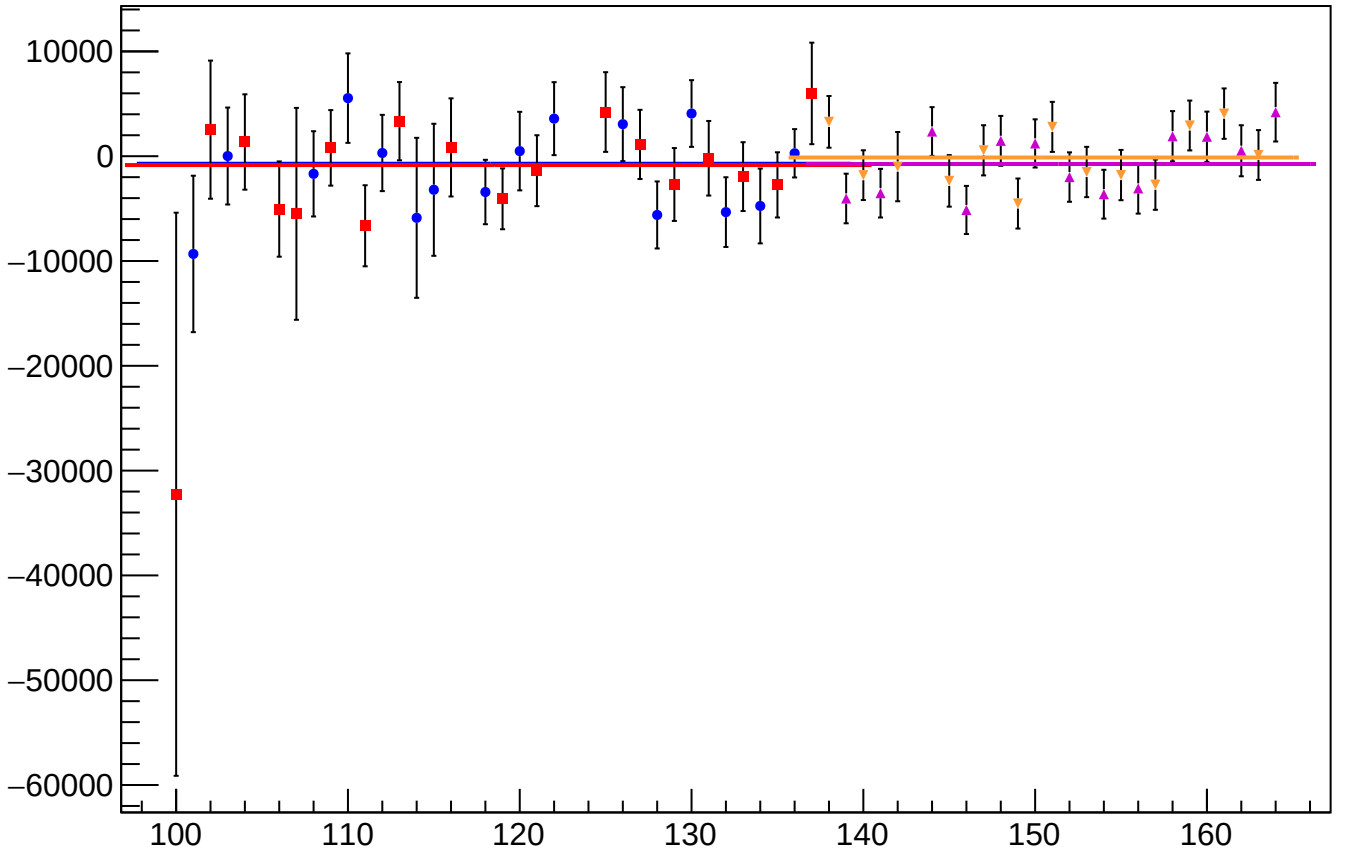
Left: 157.598+/-0.025 χ^2/NDF: 1874959.7/25

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 165.183+/-0.031 χ^2/NDF:6790379.3/28

Out: 158.945+/-0.031 χ^2/NDF:8012541.4/30

All: 162.093+/-0.022 χ^2/NDF: 14823630.3/59



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -124.032+/-678.528 χ^2/NDF:14.9/12

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -745.134+/-661.550 χ^2/NDF:18.9/12

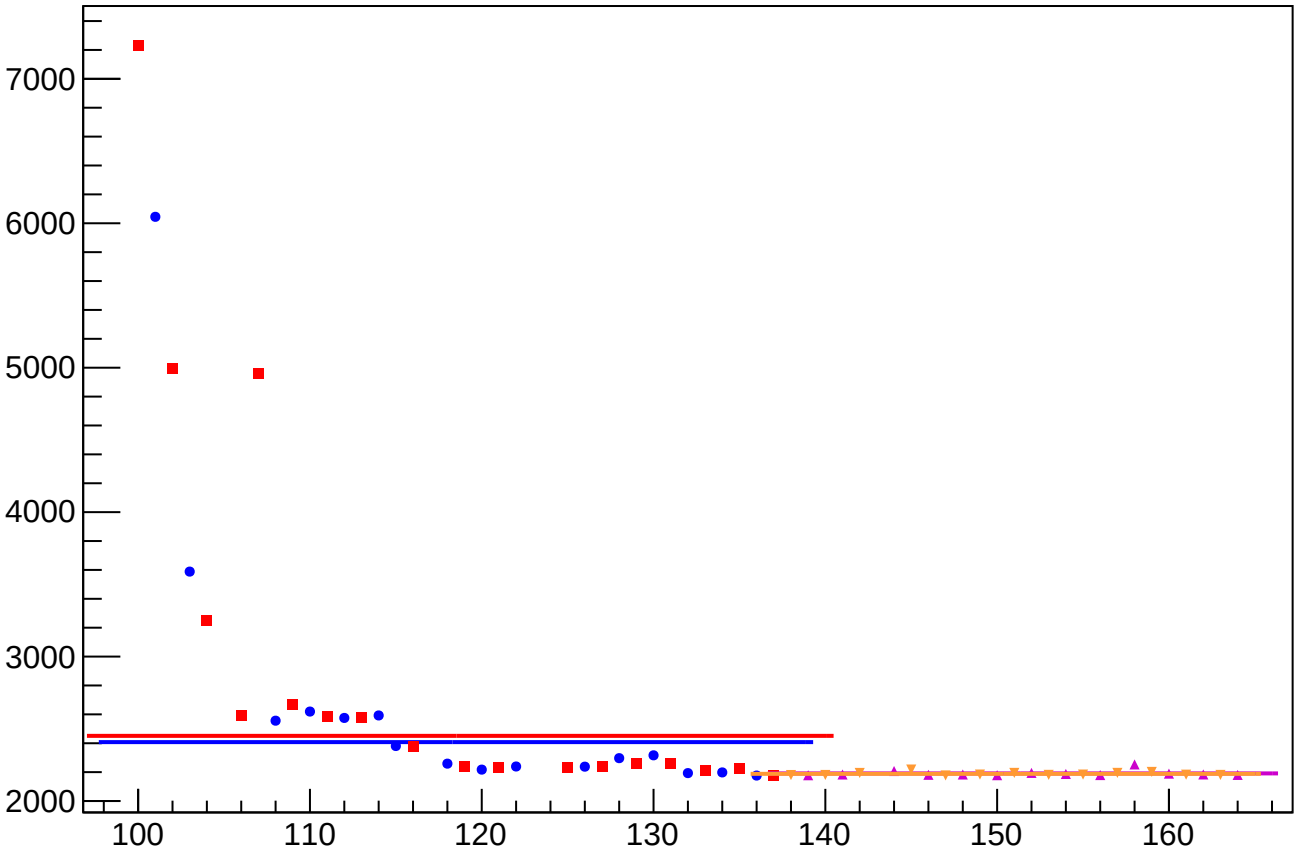
Left: -442.451+/-473.675 χ^2/NDF: 34.3/25

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -736.372+/-536.352 χ^2/NDF:34.7/28

Out: -374.882+/-547.876 χ^2/NDF:28.3/30

All: -559.469+/-383.268 χ^2/NDF: 63.2/59



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2188.192+/-0.480 χ^2/NDF:545.8/12

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2191.189+/-0.468 χ^2/NDF:1732.7/12

Left: 2189.728+/-0.335 χ^2/NDF: 2298.5/25

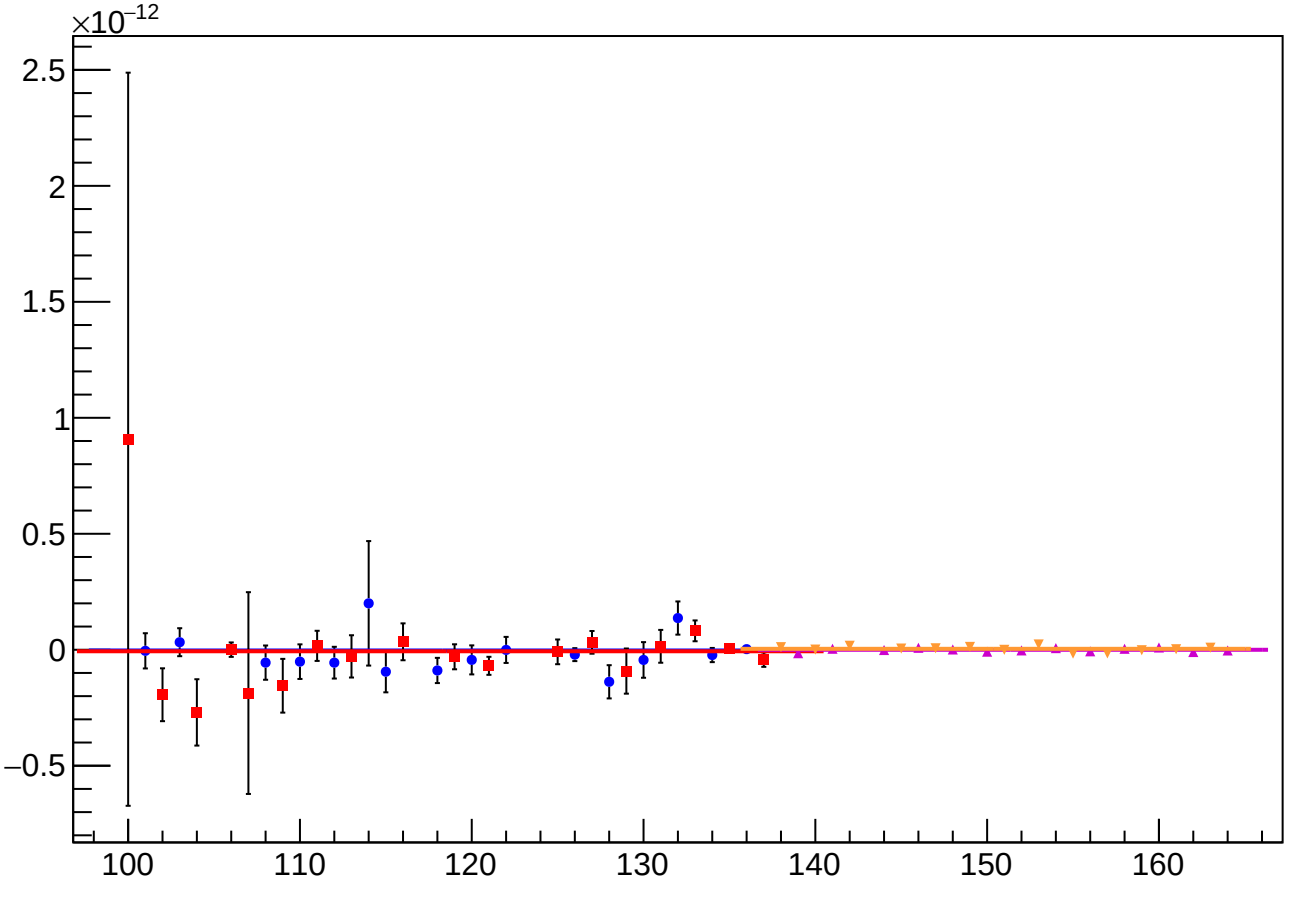
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2265.416+/-0.379 χ^2/NDF:752098.8/28

Out: 2279.722+/-0.387 χ^2/NDF:738716.7/30

All: 2272.417+/-0.271 χ^2/NDF: 1491511.8/59

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:11.1/12

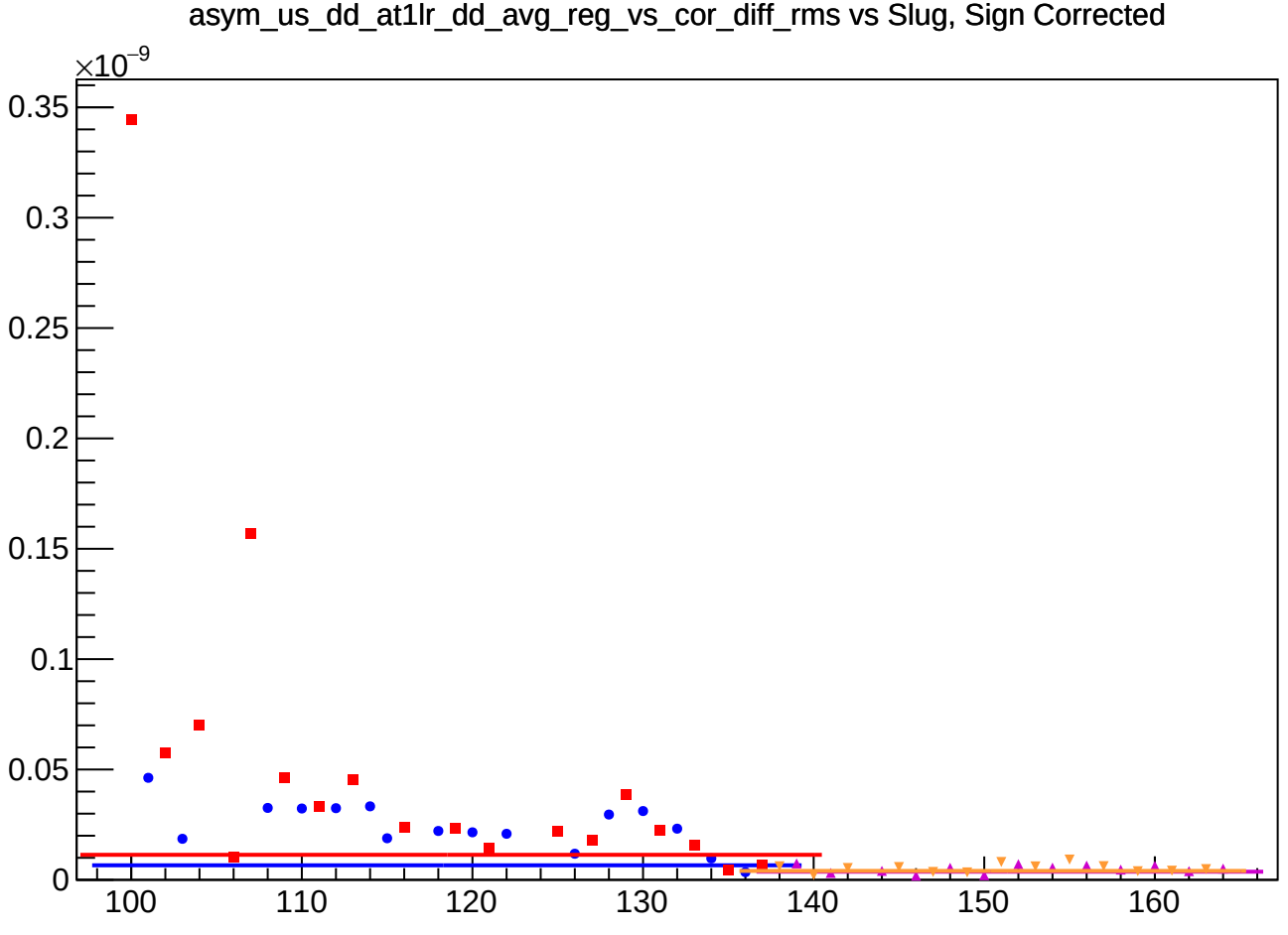
Left: 0.000+/-0.000 χ^2/NDF: 24.5/25

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:26.9/28

Out: 0.000+/-0.000 χ^2/NDF:31.6/30

All: 0.000+/-0.000 χ^2/NDF: 60.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1160572.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1189615.4/12

Left: 0.000+/-0.000 χ^2/NDF: 2375685.2/25

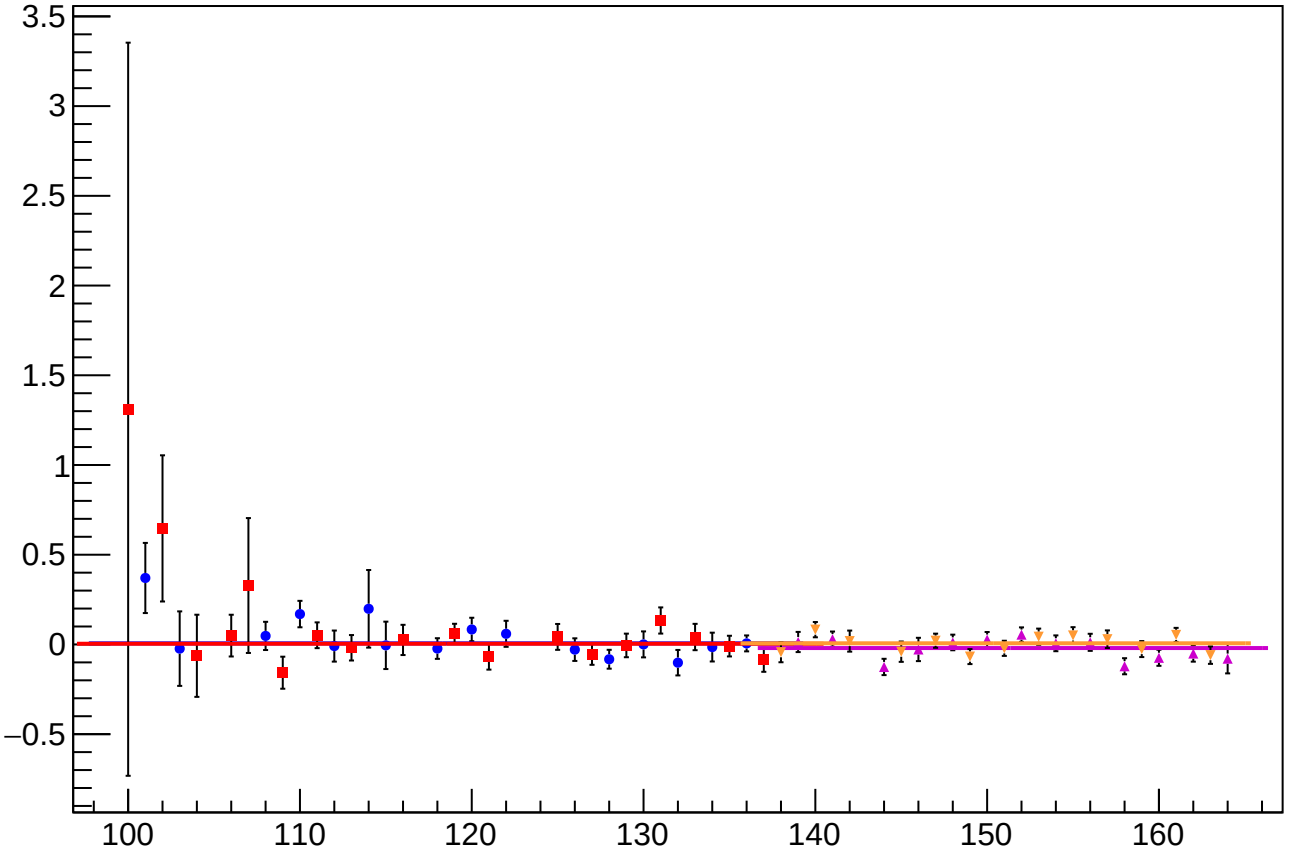
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4425223.1/28

Out: 0.000+/-0.000 χ^2/NDF:4915816.6/30

All: 0.000+/-0.000 χ^2/NDF: 9379080.2/59

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: 0.006+/-0.013 χ^2/NDF:14.0/12

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.020+/-0.013 χ^2/NDF:20.7/12

Left: -0.006+/-0.009 χ^2/NDF: 36.8/25

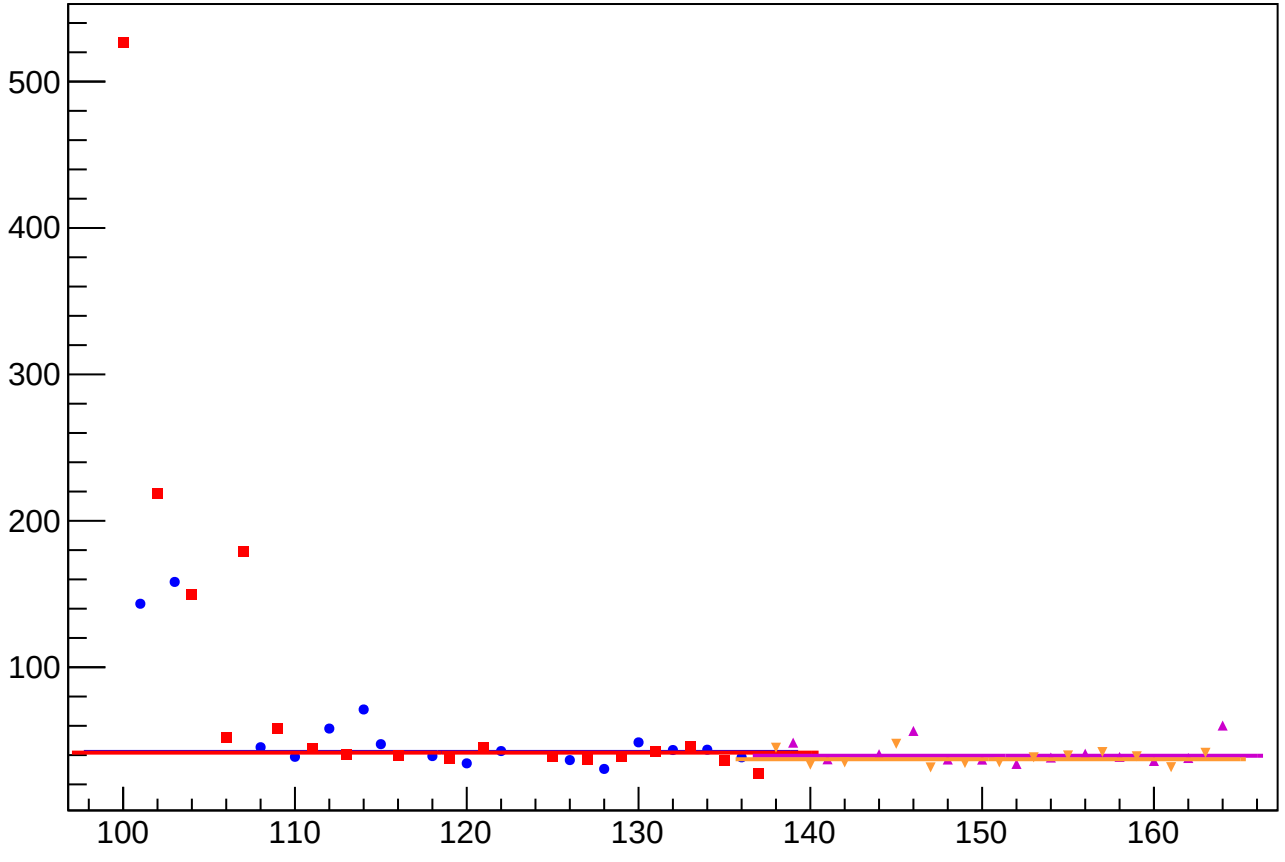
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.011+/-0.011 χ^2/NDF:39.3/28

Out: 0.006+/-0.010 χ^2/NDF:30.2/30

All: -0.003+/-0.007 χ^2/NDF: 70.8/59

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: 37.177+/-0.009 χ^2/NDF:266025.5/12

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.554+/-0.009 χ^2/NDF:392243.2/12

Left: 38.334+/-0.006 χ^2/NDF: 692352.7/25

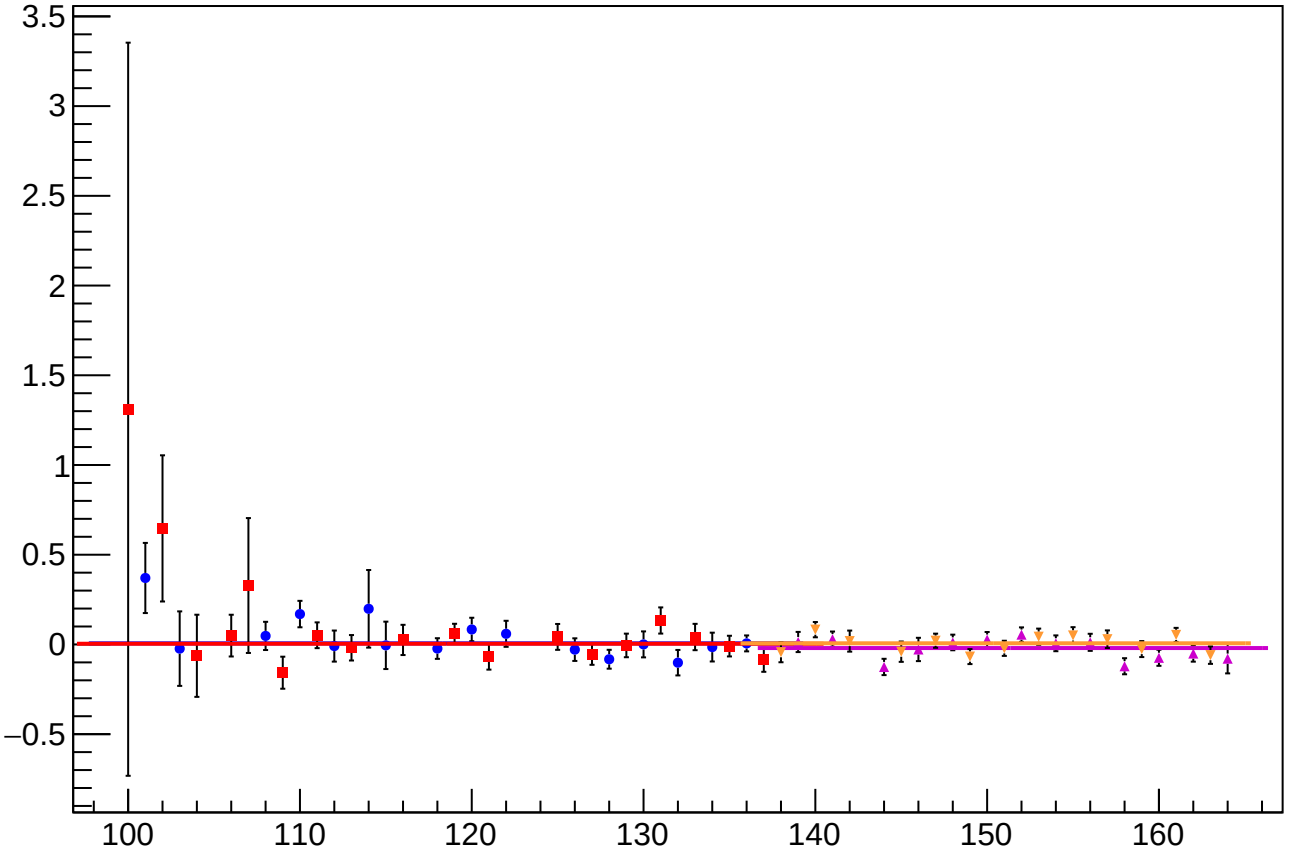
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.436+/-0.008 χ^2/NDF:1873709.6/28

Out: 38.615+/-0.007 χ^2/NDF:1787646.5/30

All: 39.515+/-0.005 χ^2/NDF: 3691168.9/59

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: 0.006+/-0.013 χ^2/NDF:14.0/12

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.020+/-0.013 χ^2/NDF:20.7/12

Left: -0.006+/-0.009 χ^2/NDF: 36.8/25

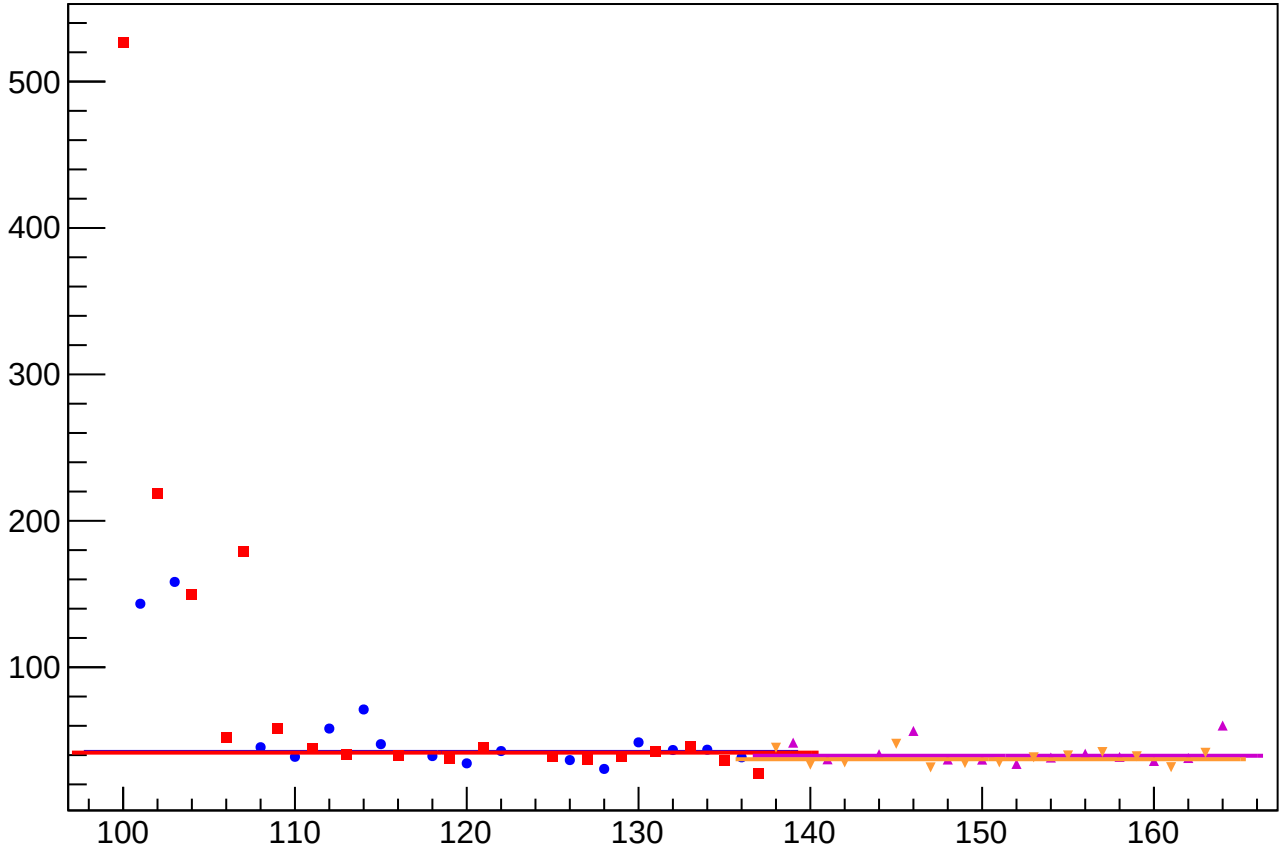
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.011+/-0.011 χ^2/NDF:39.3/28

Out: 0.006+/-0.010 χ^2/NDF:30.2/30

All: -0.003+/-0.007 χ^2/NDF: 70.8/59

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: 37.177+/-0.009 χ^2/NDF:266025.5/12

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.554+/-0.009 χ^2/NDF:392243.2/12

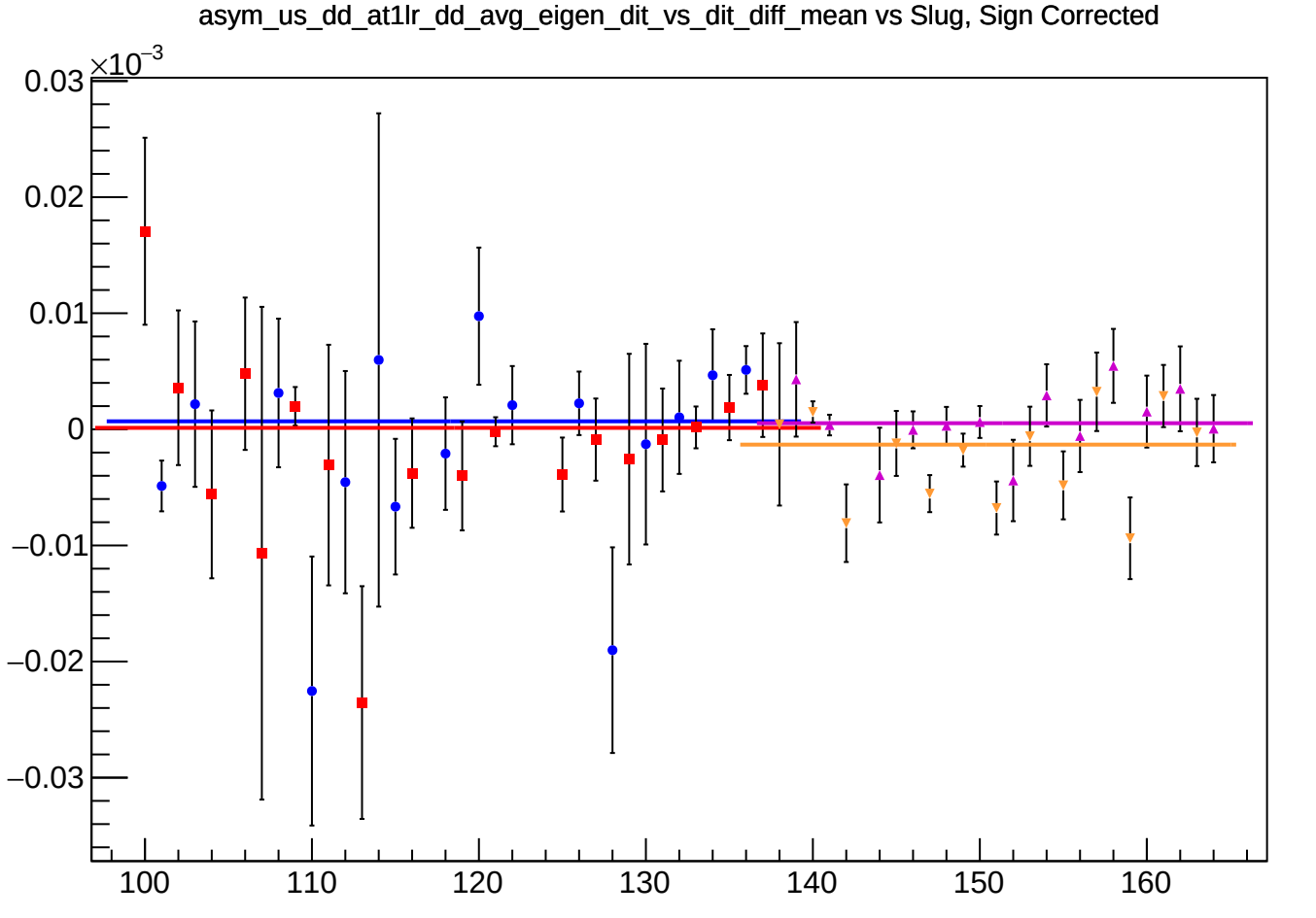
Left: 38.334+/-0.006 χ^2/NDF: 692352.7/25

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.436+/-0.008 χ^2/NDF:1873709.6/28

Out: 38.615+/-0.007 χ^2/NDF:1787646.5/30

All: 39.515+/-0.005 χ^2/NDF: 3691168.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:8.1/12

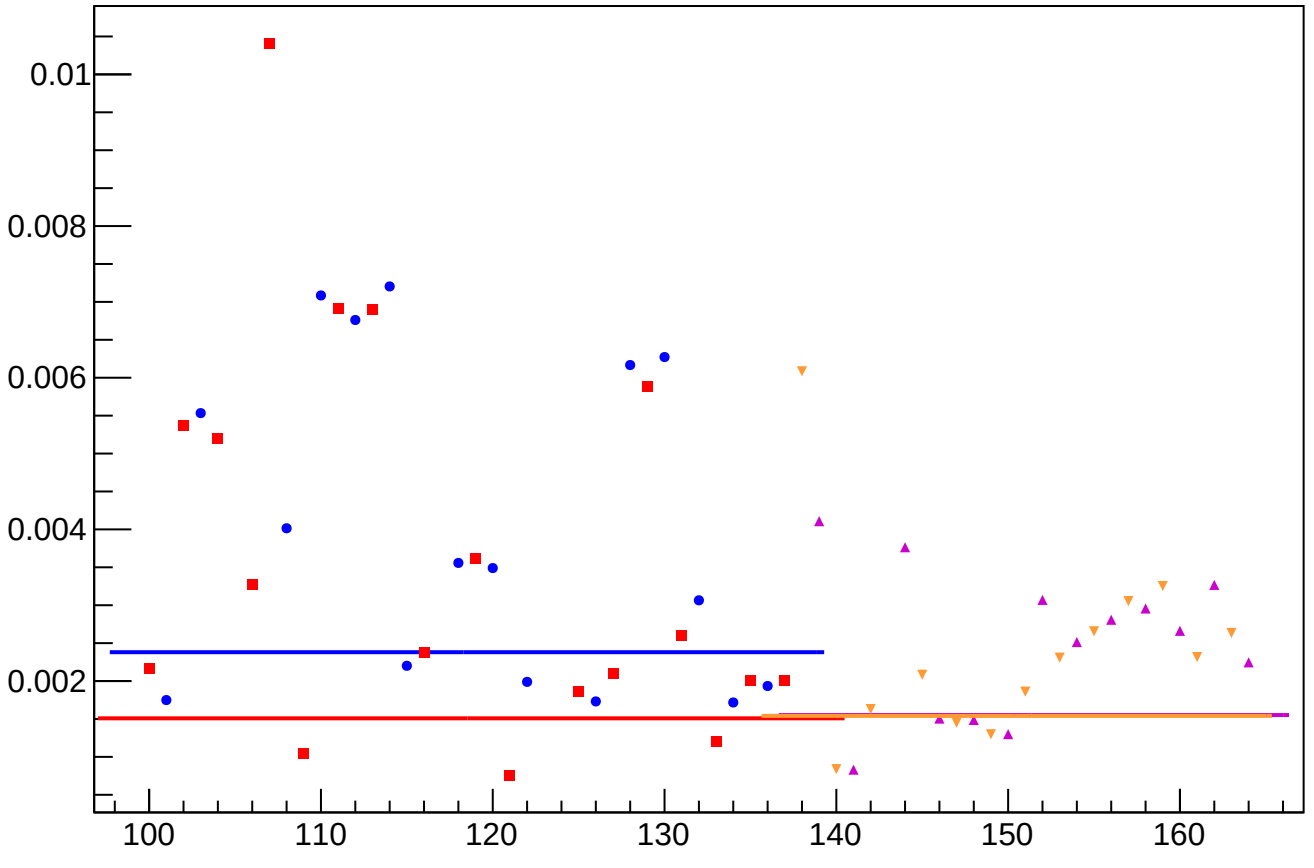
Left: -0.000+/-0.000 χ^2/NDF: 51.2/25

Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:34.6/28

Out: -0.000+/-0.000 χ^2/NDF:57.5/30

All: -0.000+/-0.000 χ^2/NDF: 96.3/59



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:3996304.1/12

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4677194.2/12

Left: 0.002+/-0.000 χ^2/NDF: 8673912.3/25

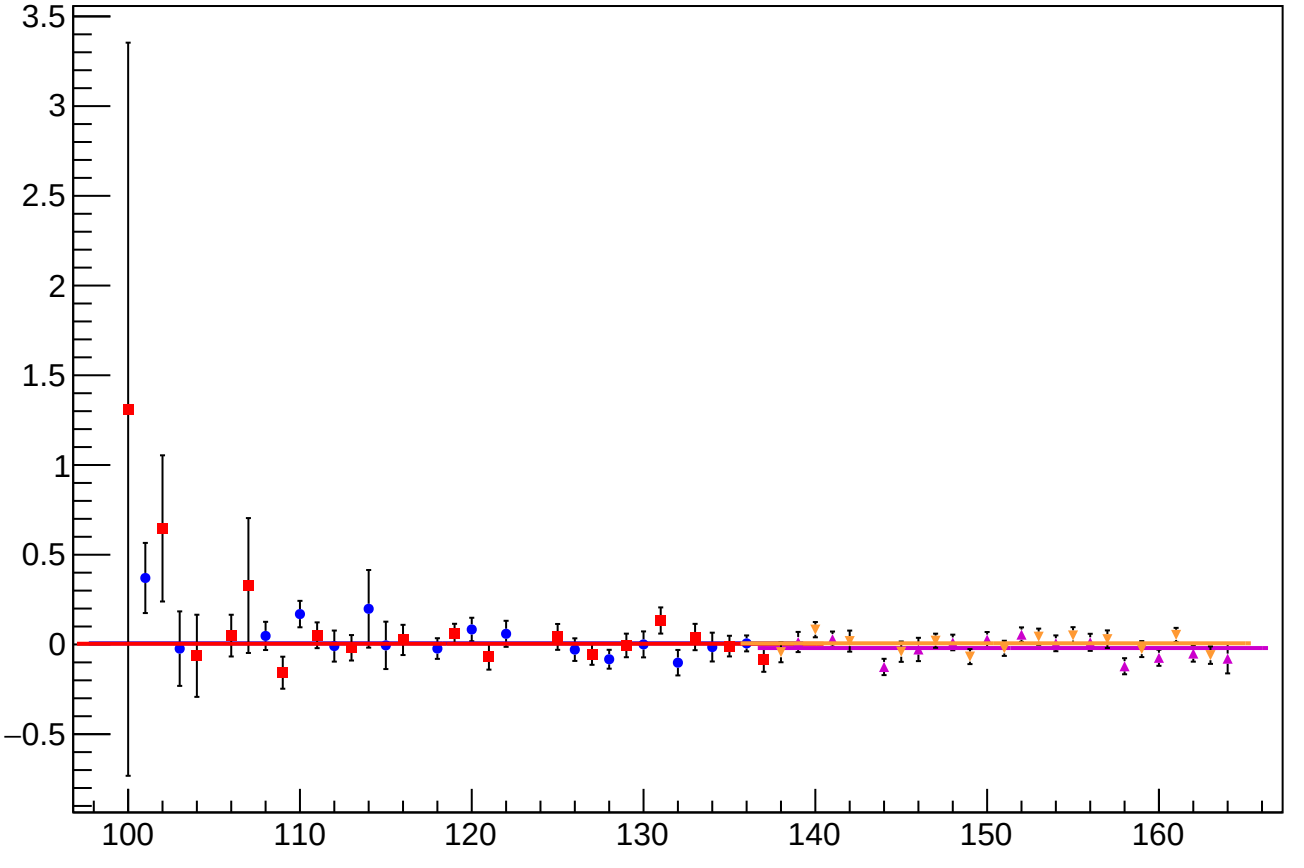
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:8542360.3/28

Out: 0.002+/-0.000 χ^2/NDF:9000452.4/30

All: 0.002+/-0.000 χ^2/NDF: 17744411.9/59

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: 0.006+/-0.013 χ^2/NDF:14.0/12

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.020+/-0.013 χ^2/NDF:20.7/12

Left: -0.006+/-0.009 χ^2/NDF: 36.8/25

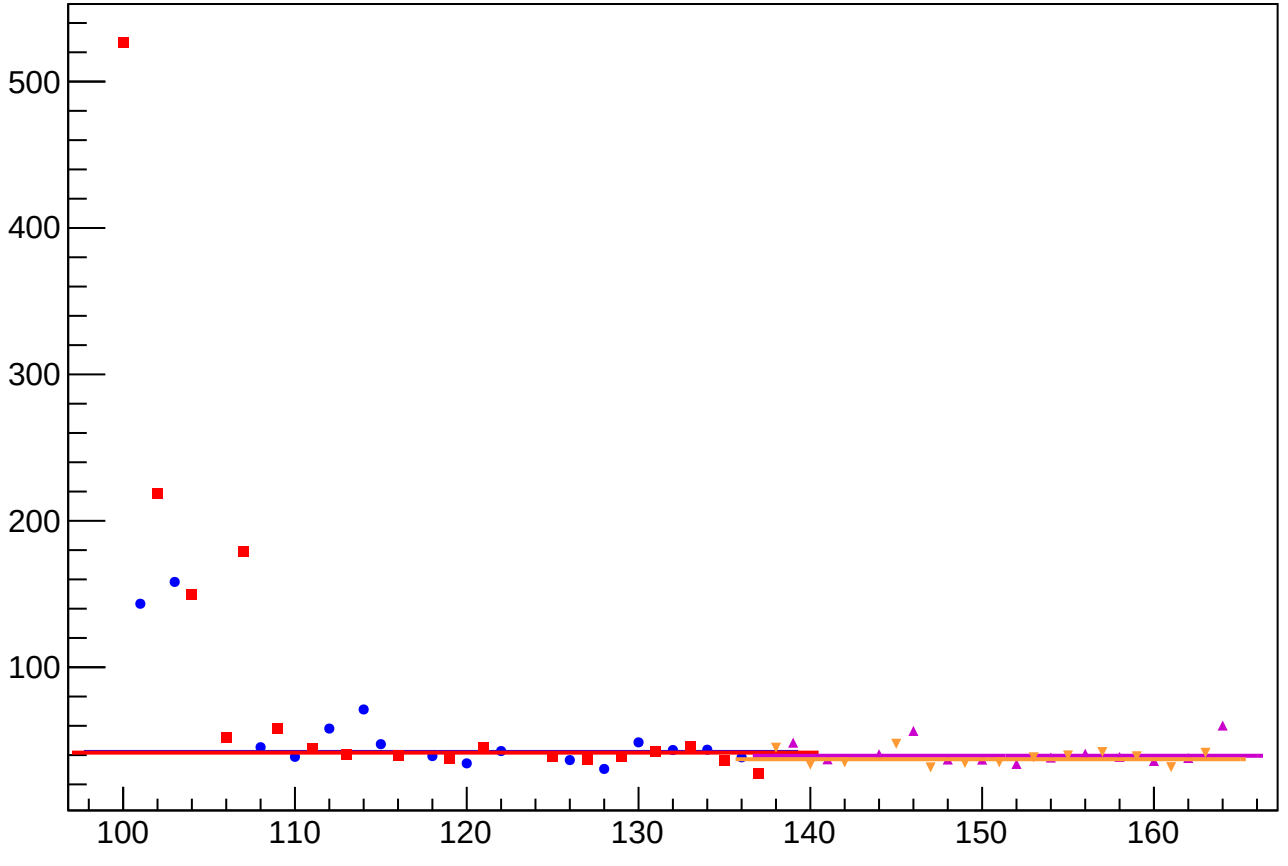
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.011+/-0.011 χ^2/NDF:39.2/28

Out: 0.006+/-0.010 χ^2/NDF:30.2/30

All: -0.003+/-0.007 χ^2/NDF: 70.8/59

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: 37.178+/-0.009 χ^2/NDF:266007.8/12

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.554+/-0.009 χ^2/NDF:392276.9/12

Left: 38.335+/-0.006 χ^2/NDF: 692364.0/25

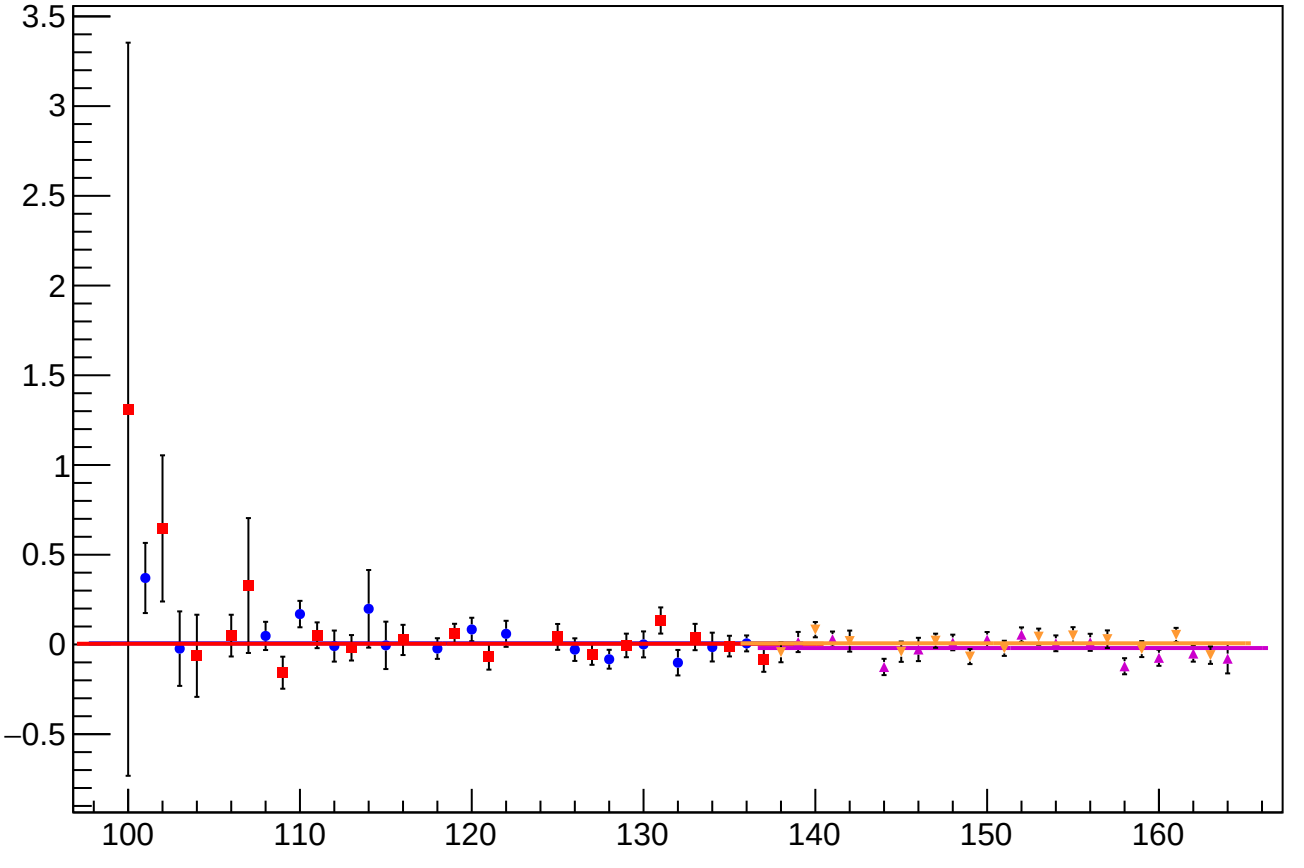
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.435+/-0.008 χ^2/NDF:1873909.1/28

Out: 38.615+/-0.007 χ^2/NDF:1787621.8/30

All: 39.514+/-0.005 χ^2/NDF: 3691310.4/59

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: 0.006+/-0.013 χ^2/NDF:14.0/12

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.020+/-0.013 χ^2/NDF:20.7/12

Left: -0.006+/-0.009 χ^2/NDF: 36.8/25

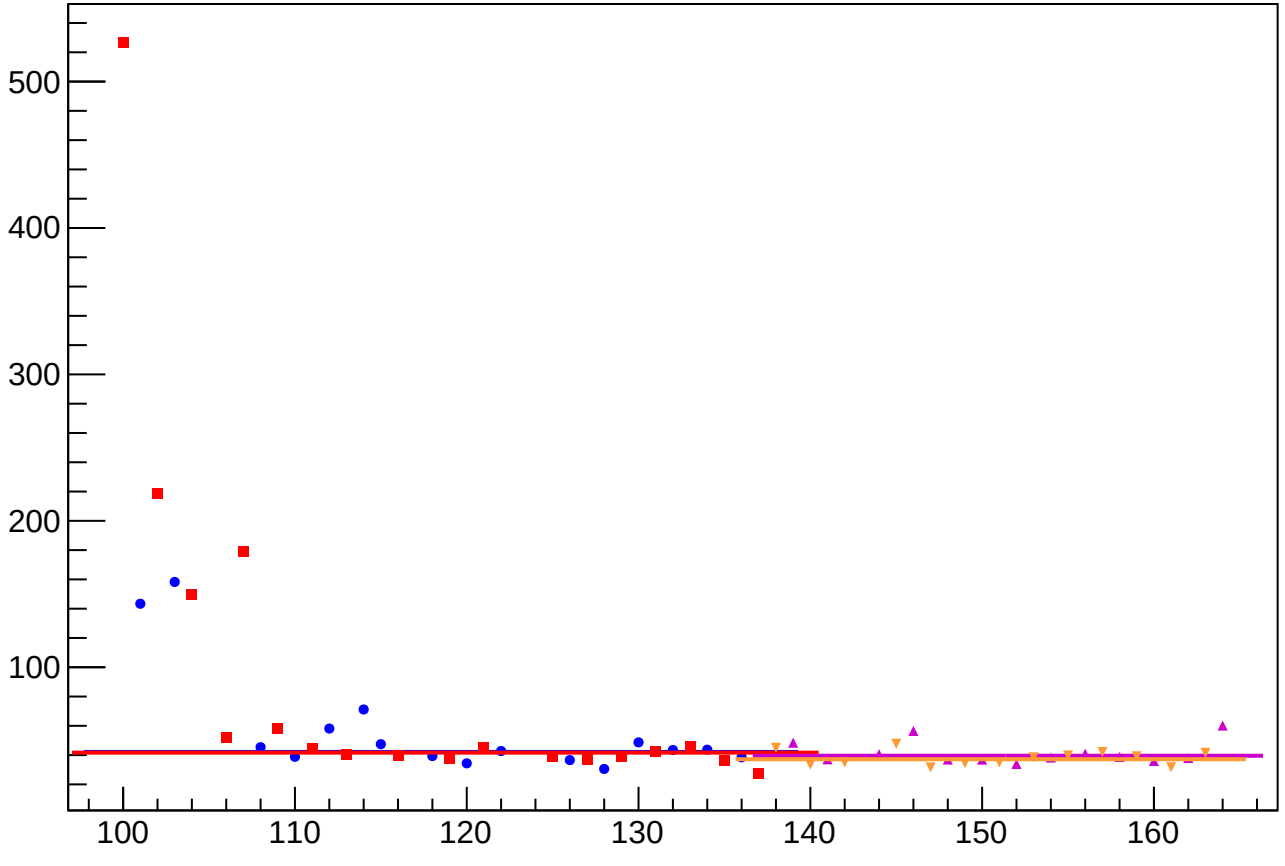
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.011+/-0.011 χ^2/NDF:39.2/28

Out: 0.006+/-0.010 χ^2/NDF:30.2/30

All: -0.003+/-0.007 χ^2/NDF: 70.8/59

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: 37.178+/-0.009 χ^2/NDF:266007.8/12

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.554+/-0.009 χ^2/NDF:392276.9/12

Left: 38.335+/-0.006 χ^2/NDF: 692364.0/25

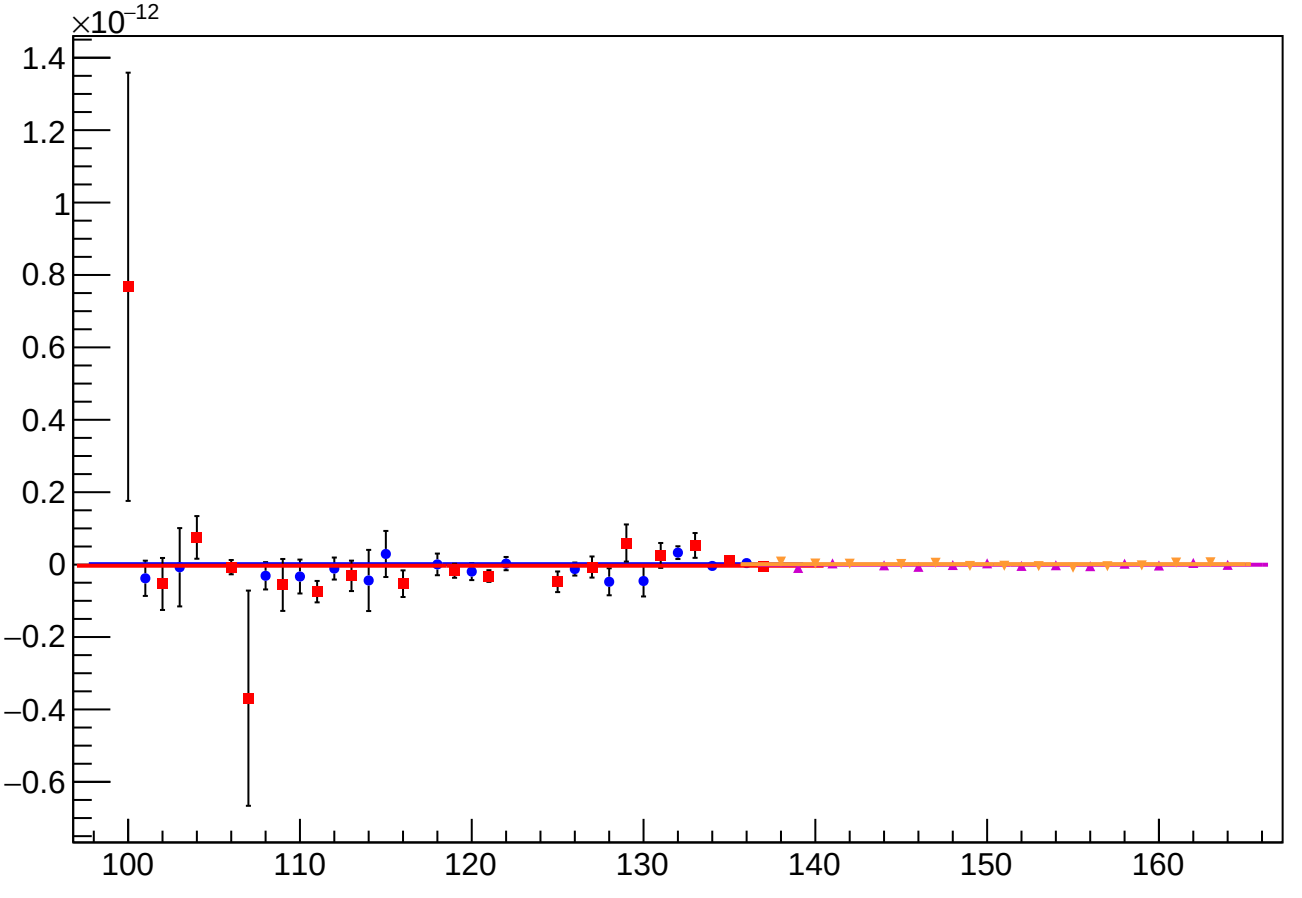
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.435+/-0.008 χ^2/NDF:1873909.1/28

Out: 38.615+/-0.007 χ^2/NDF:1787621.8/30

All: 39.514+/-0.005 χ^2/NDF: 3691310.4/59

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:11.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:7.7/12

Left: 0.000+/-0.000 χ^2/NDF: 19.6/25

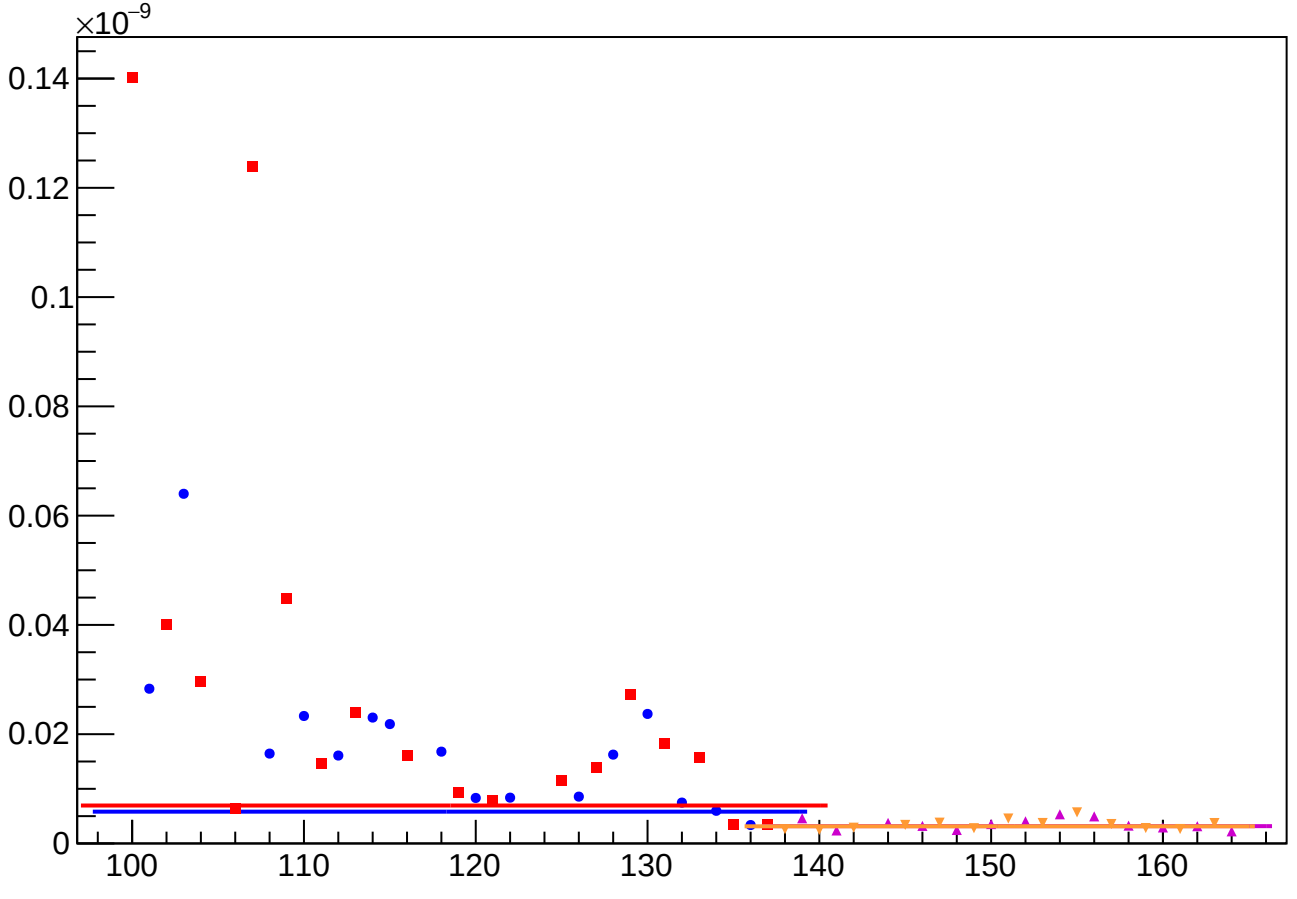
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:18.4/28

Out: 0.000+/-0.000 χ^2/NDF:40.8/30

All: 0.000+/-0.000 χ^2/NDF: 59.5/59

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:535425.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

Left In: 0.000+/-0.000 χ^2/NDF:786299.3/12

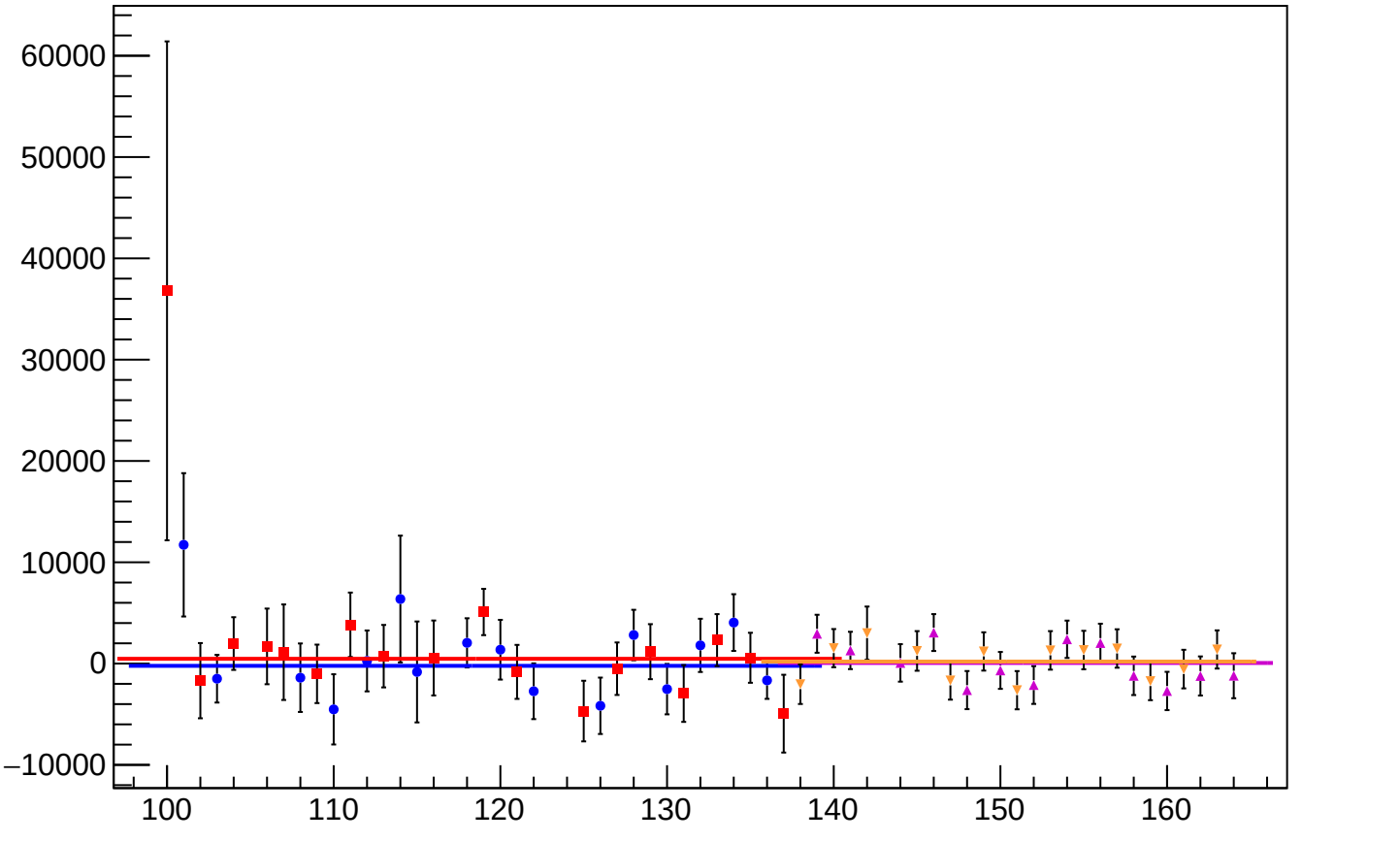
Left: 0.000+/-0.000 χ^2/NDF: 1322203.6/25

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:4904832.1/28

Out: 0.000+/-0.000 χ^2/NDF:5517567.8/30

All: 0.000+/-0.000 χ^2/NDF: 10422532.2/59



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 197.965+/-537.468 χ^2/NDF:9.5/12

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 59.665+/-524.026 χ^2/NDF:15.1/12

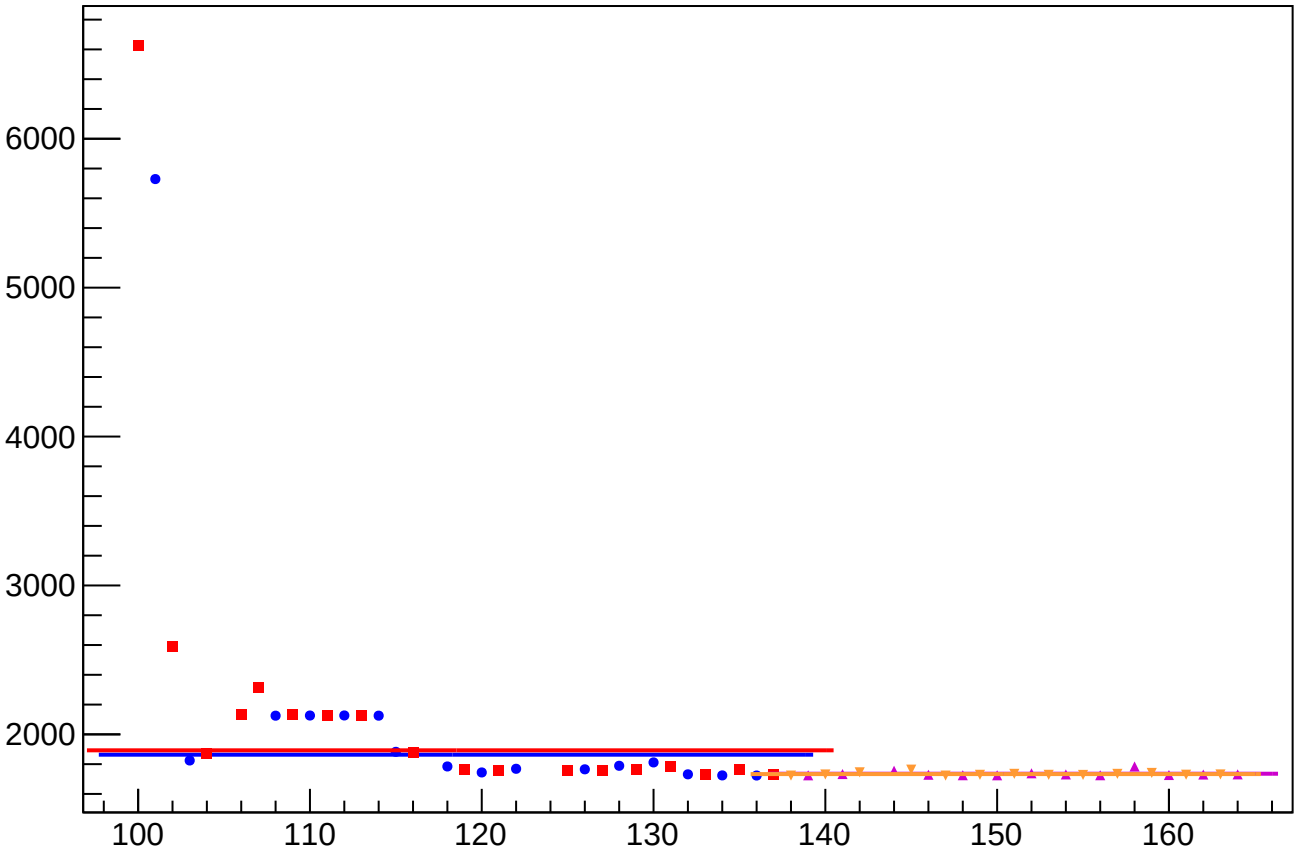
Left: 127.064+/-375.205 χ^2/NDF: 24.6/25

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: -40.162+/-421.446 χ^2/NDF:31.0/28

Out: 297.679+/-428.855 χ^2/NDF:25.5/30

All: 125.815+/-300.592 χ^2/NDF: 56.8/59



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.273+/-0.380 χ^2/NDF:713.2/12

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1735.677+/-0.371 χ^2/NDF:1907.6/12

Left: 1734.505+/-0.265 χ^2/NDF: 2641.3/25

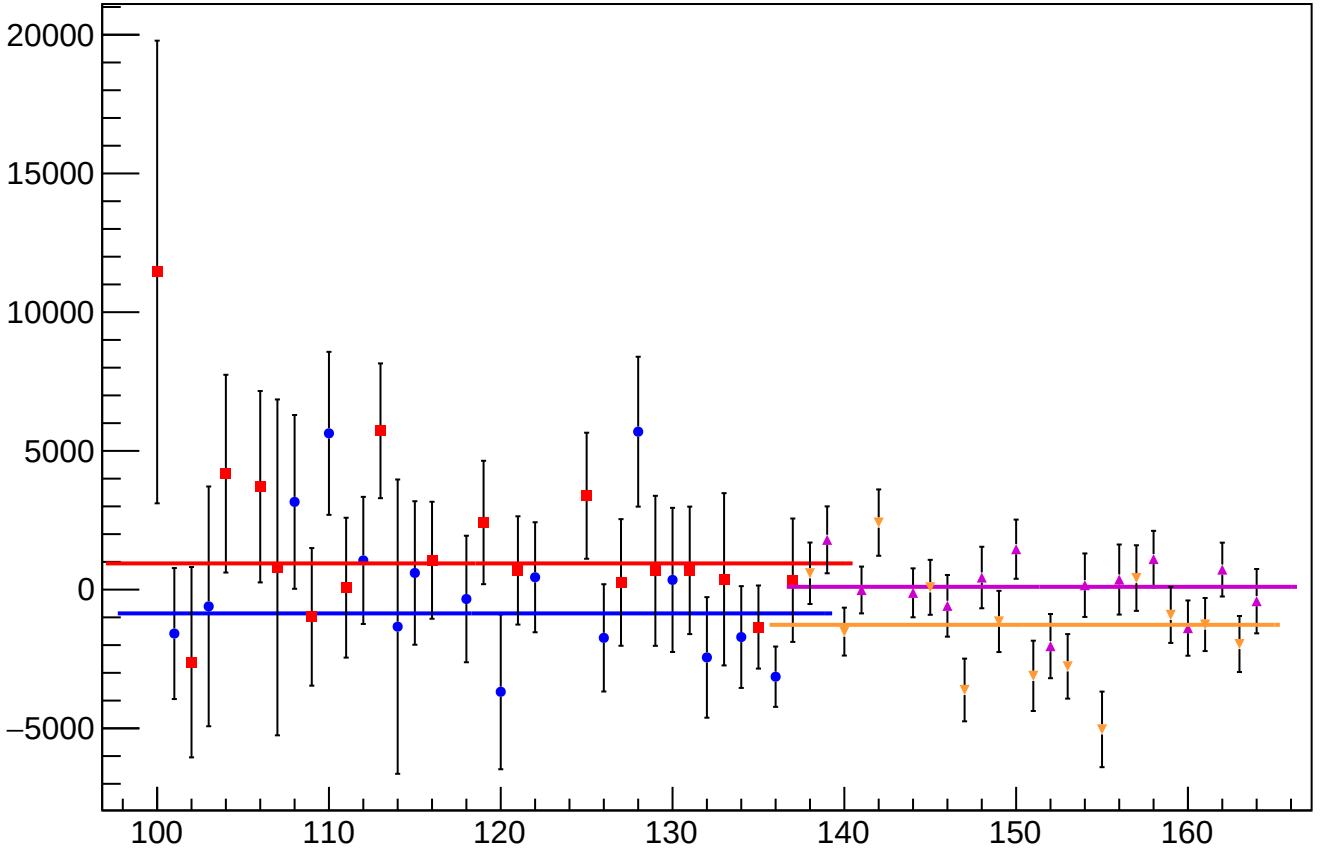
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1780.851+/-0.298 χ^2/NDF:718655.5/28

Out: 1791.258+/-0.303 χ^2/NDF:316295.7/30

All: 1785.964+/-0.213 χ^2/NDF: 1035550.3/59

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: -1268.776+/-299.522 χ^2/NDF:32.6/12

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 99.895+/-291.129 χ^2/NDF:11.4/12

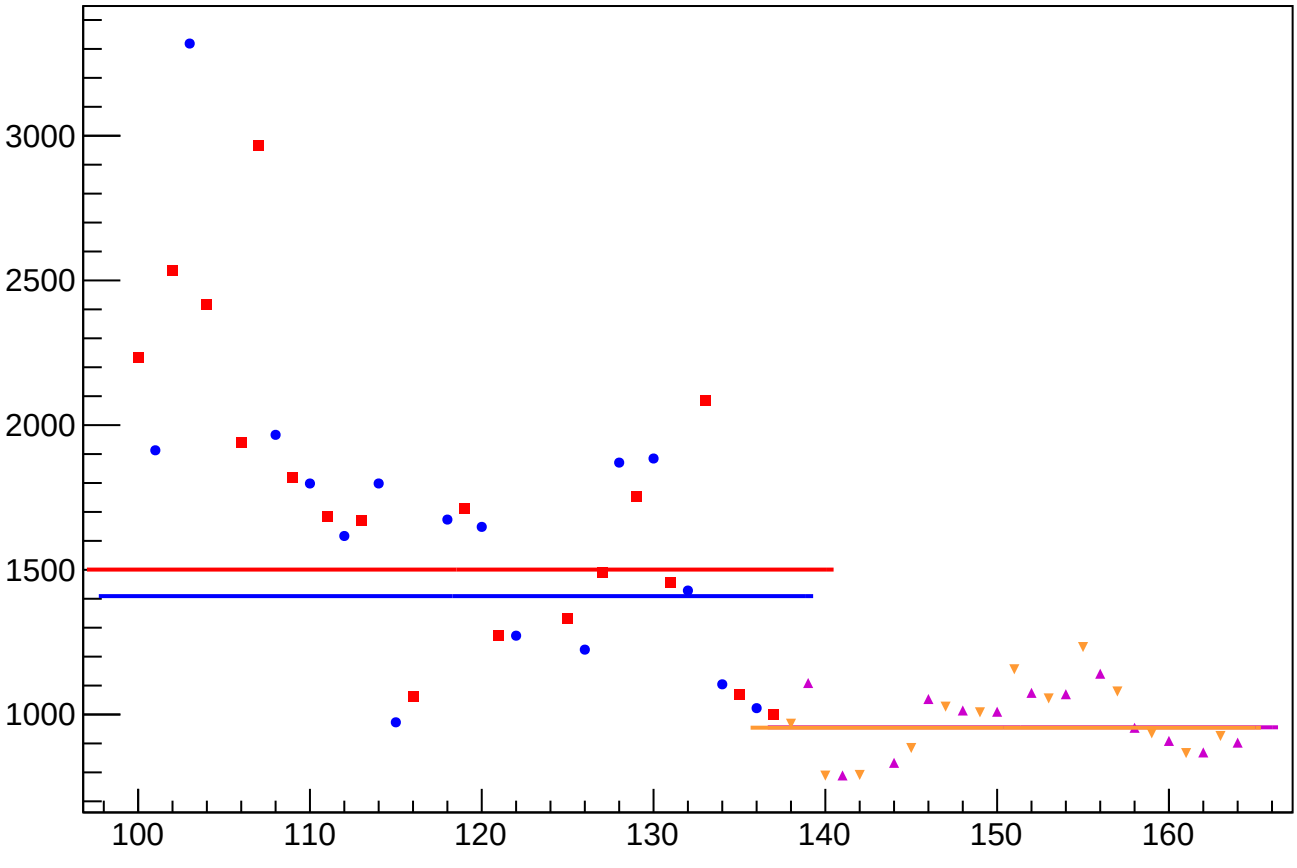
Left: -564.997+/-208.764 χ^2/NDF: 54.8/25

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -109.723+/-257.284 χ^2/NDF:34.4/28

Out: -807.746+/-266.510 χ^2/NDF:56.9/30

All: -446.444+/-185.103 χ^2/NDF: 94.8/59



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 954.457+/-0.212 χ^2/NDF:325265.0/12

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 955.764+/-0.206 χ^2/NDF:283577.8/12

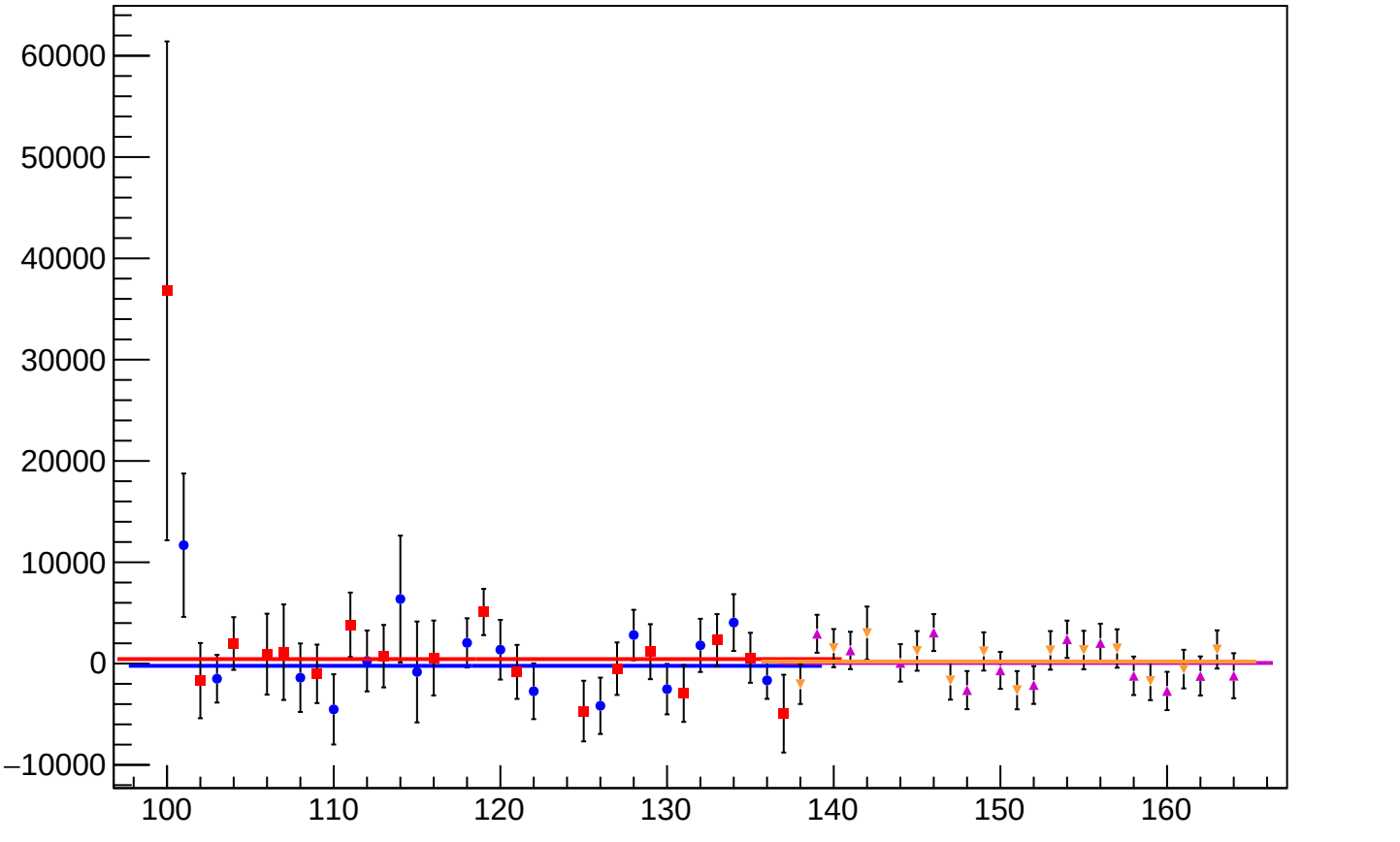
Left: 955.129+/-0.148 χ^2/NDF: 608862.3/25

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1055.041+/-0.182 χ^2/NDF:2513276.6/28

Out: 1068.250+/-0.188 χ^2/NDF:2742009.1/30

All: 1061.413+/-0.131 χ^2/NDF: 5257829.0/59



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 198.076+/-537.468 χ^2/NDF:9.5/12

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 59.672+/-524.026 χ^2/NDF:15.1/12

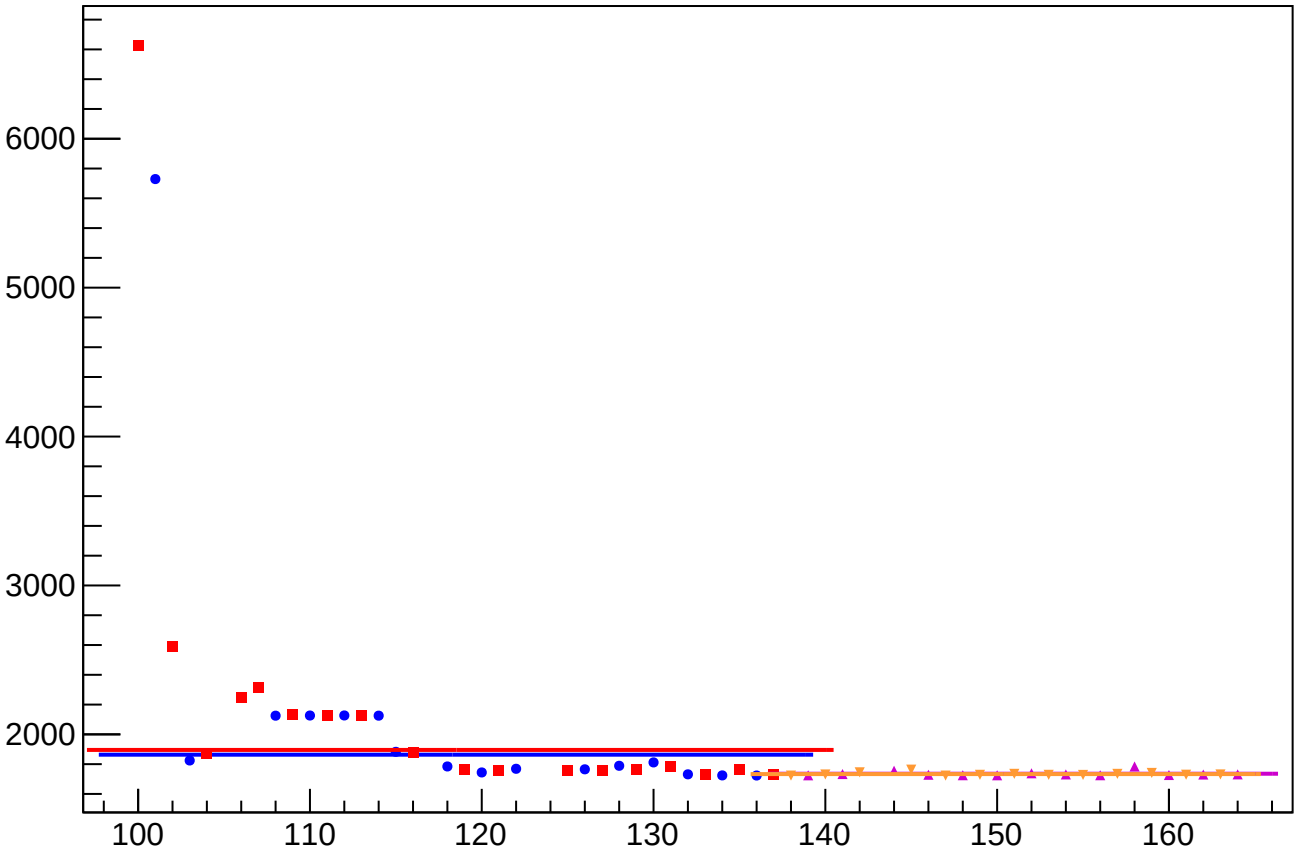
Left: 127.122+/-375.205 χ^2/NDF: 24.6/25

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -40.431+/-421.446 χ^2/NDF:31.0/28

Out: 286.814+/-429.209 χ^2/NDF:25.3/30

All: 120.205+/-300.714 χ^2/NDF: 56.7/59



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.273+/-0.380 χ^2/NDF:713.2/12

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.677+/-0.371 χ^2/NDF:1907.6/12

Left: 1734.505+/-0.265 χ^2/NDF: 2641.3/25

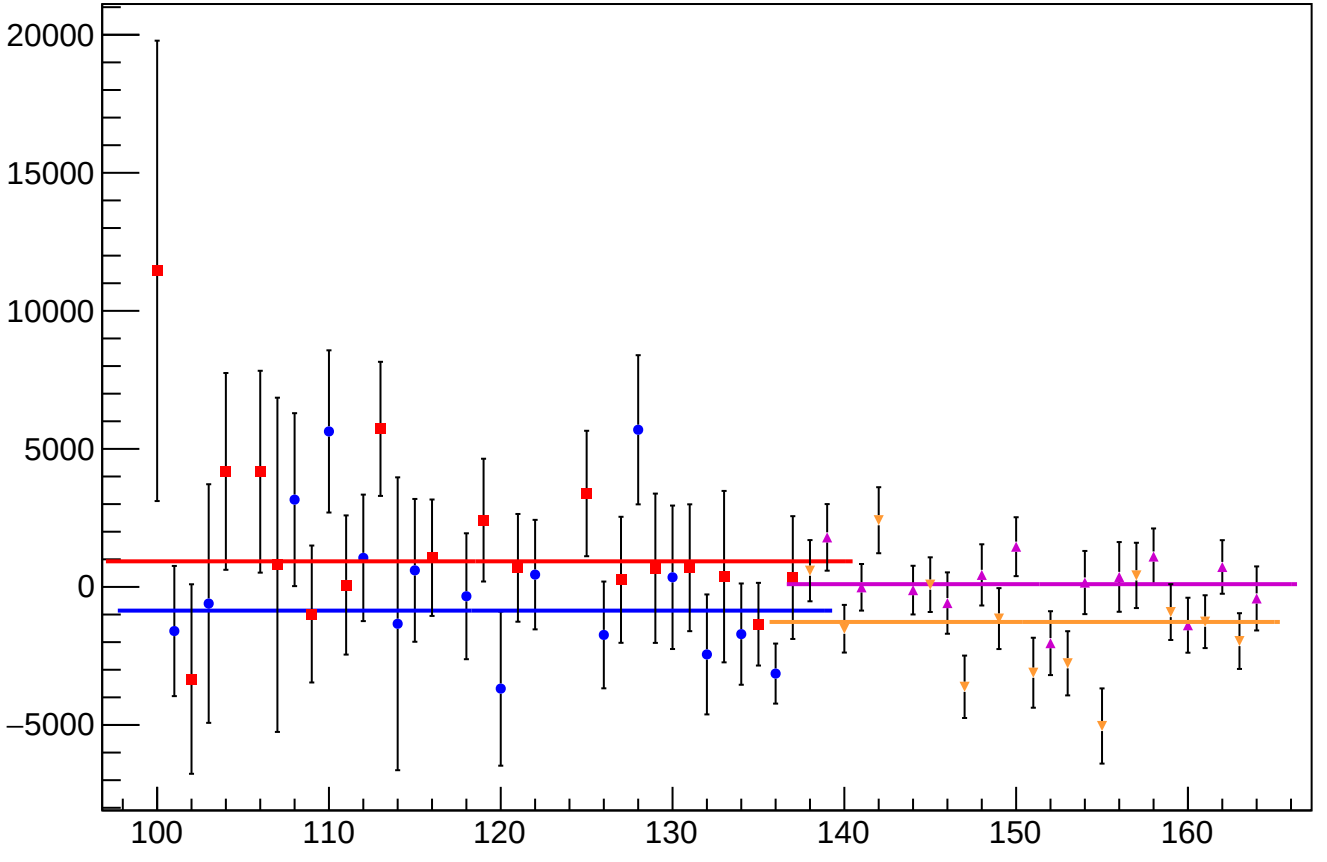
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1780.851+/-0.298 χ^2/NDF:718655.4/28

Out: 1792.041+/-0.303 χ^2/NDF:325888.0/30

All: 1786.344+/-0.213 χ^2/NDF: 1045235.5/59

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: -1268.726+/-299.521 χ^2/NDF:32.6/12

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 99.952+/-291.128 χ^2/NDF:11.4/12

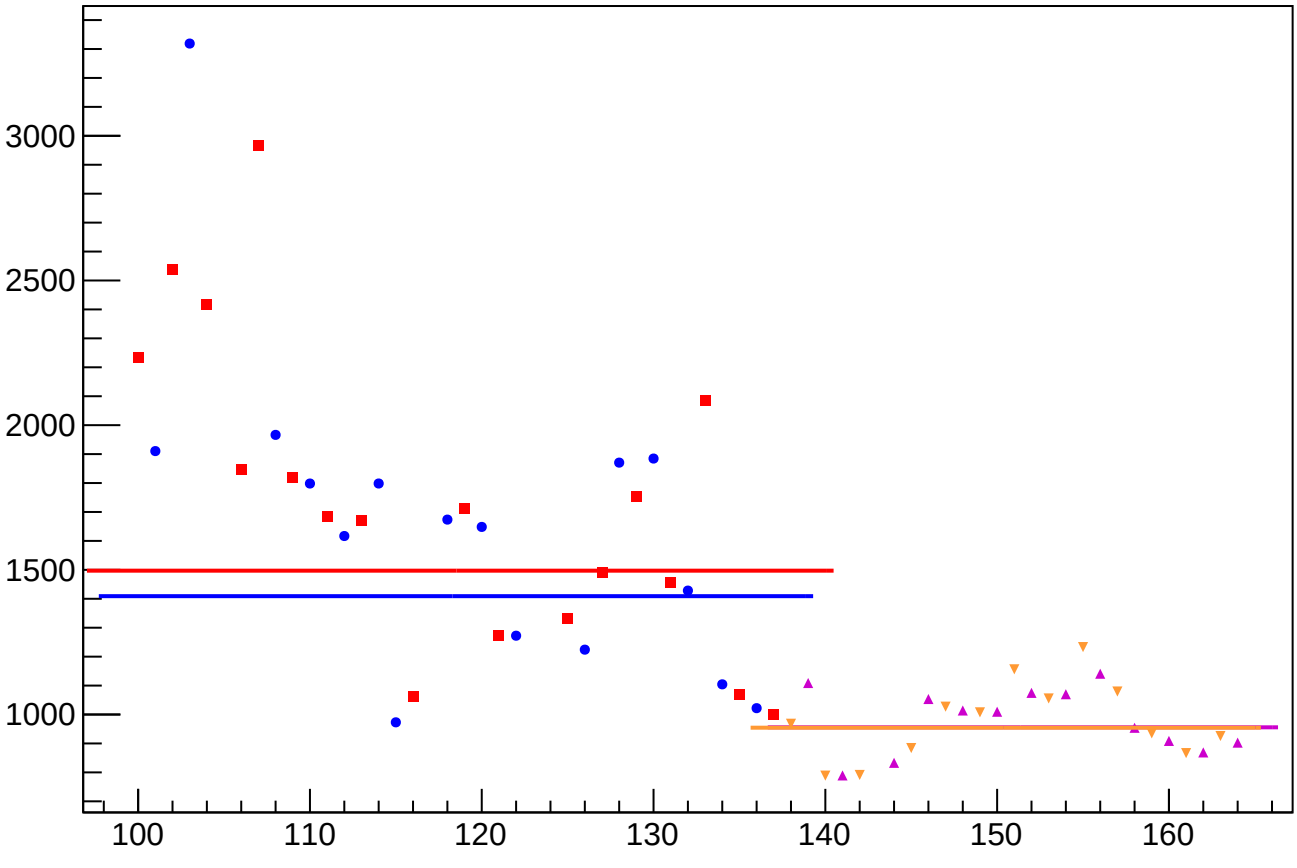
Left: -564.942+/-208.763 χ^2/NDF: 54.8/25

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -109.883+/-257.279 χ^2/NDF:34.4/28

Out: -812.495+/-266.597 χ^2/NDF:57.3/30

All: -448.696+/-185.130 χ^2/NDF: 95.3/59



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 954.456+/-0.212 χ^2/NDF:325237.1/12

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 955.760+/-0.206 χ^2/NDF:283591.5/12

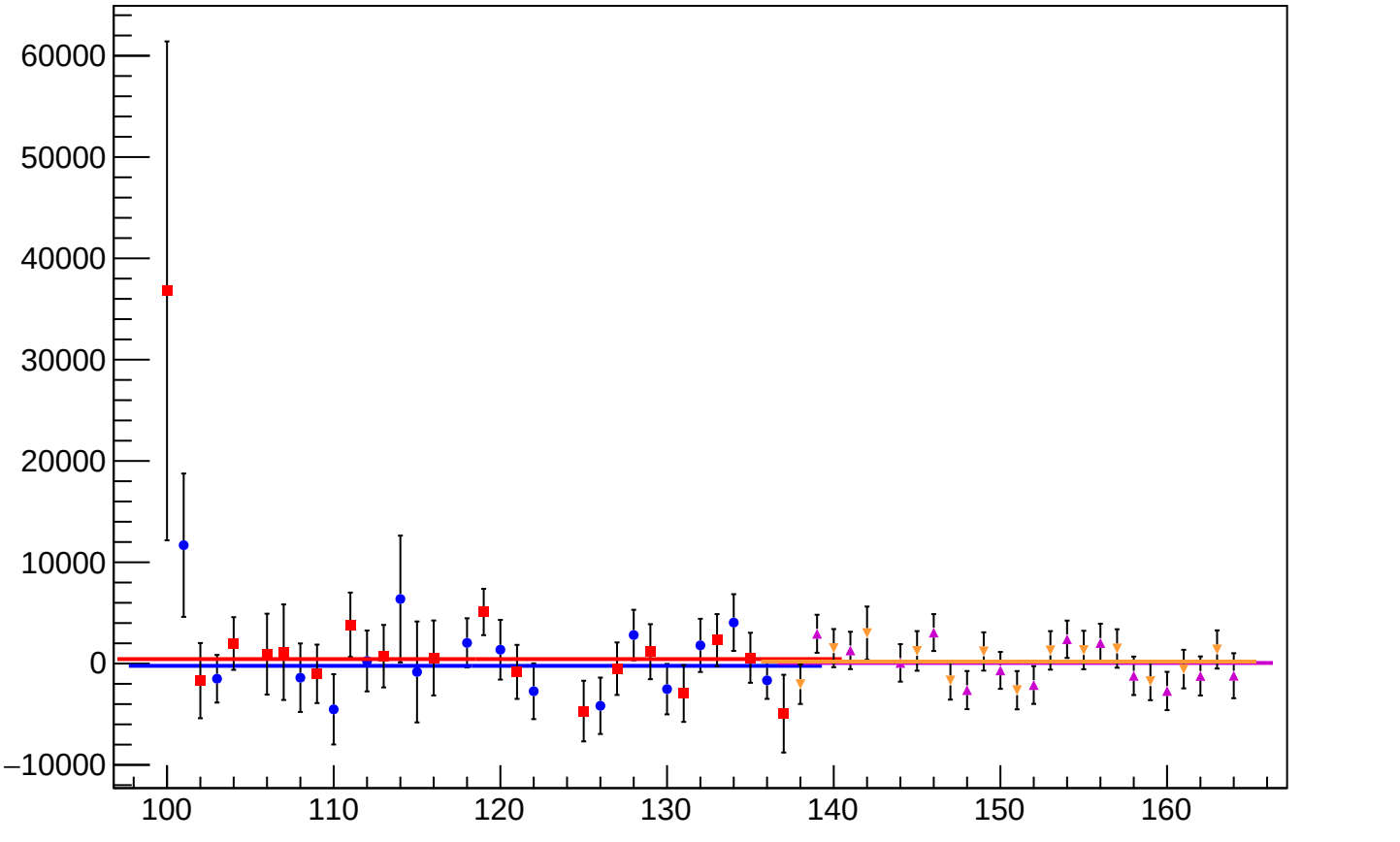
Left: 955.126+/-0.148 χ^2/NDF: 608848.1/25

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1055.032+/-0.182 χ^2/NDF:2512434.9/28

Out: 1067.207+/-0.189 χ^2/NDF:2707474.5/30

All: 1060.903+/-0.131 χ^2/NDF: 5222069.1/59



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 198.076+/-537.468 χ^2/NDF:9.5/12

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 59.672+/-524.026 χ^2/NDF:15.1/12

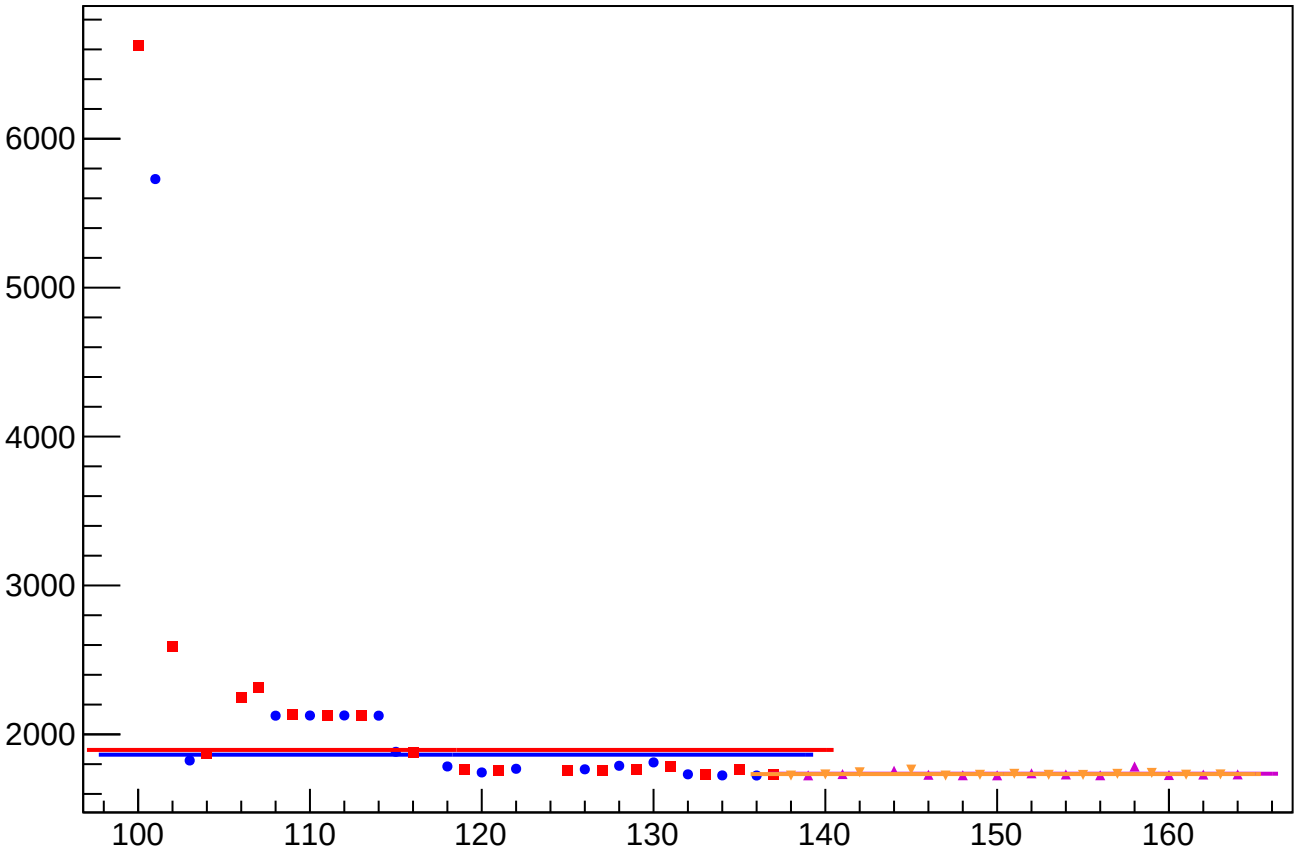
Left: 127.122+/-375.205 χ^2/NDF: 24.6/25

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -40.431+/-421.446 χ^2/NDF:31.0/28

Out: 286.814+/-429.209 χ^2/NDF:25.3/30

All: 120.205+/-300.714 χ^2/NDF: 56.7/59



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.273+/-0.380 χ^2/NDF:713.2/12

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.677+/-0.371 χ^2/NDF:1907.6/12

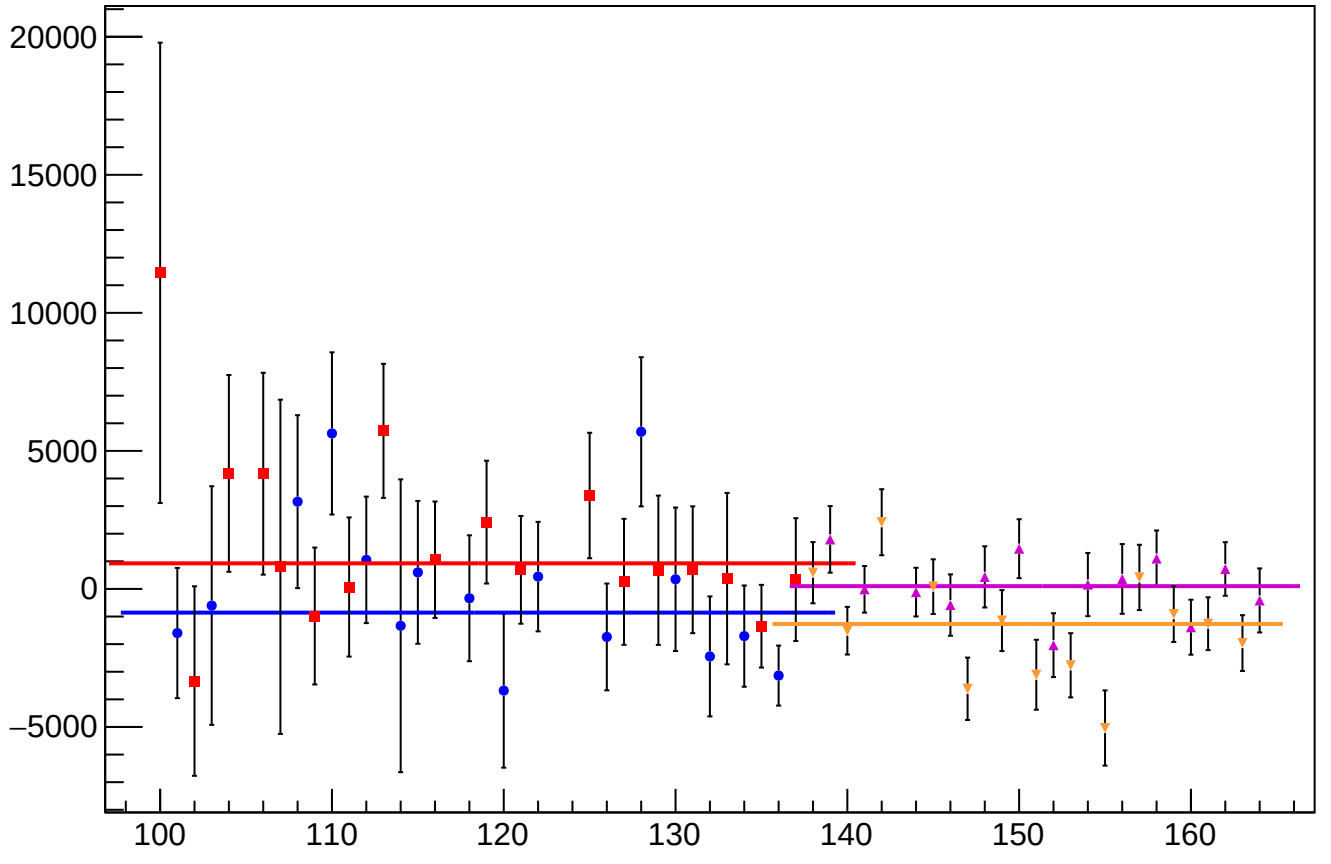
Left: 1734.505+/-0.265 χ^2/NDF: 2641.3/25

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1780.851+/-0.298 χ^2/NDF:718655.4/28

Out: 1792.041+/-0.303 χ^2/NDF:325888.0/30

All: 1786.344+/-0.213 χ^2/NDF: 1045235.5/59



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1268.726+/-299.521 χ^2/NDF:32.6/12

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 99.952+/-291.128 χ^2/NDF:11.4/12

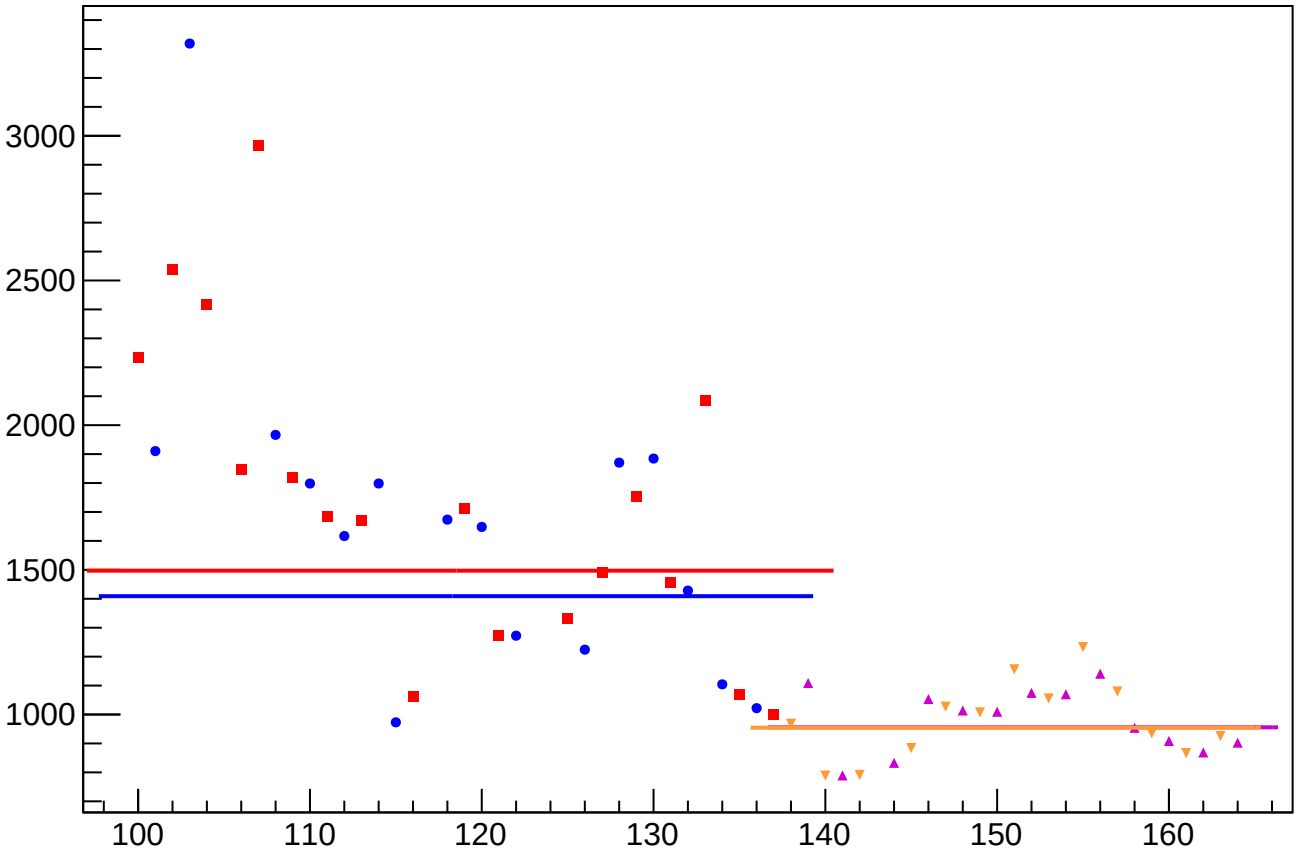
Left: -564.942+/-208.763 χ^2/NDF: 54.8/25

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -109.883+/-257.279 χ^2/NDF:34.4/28

Out: -812.495+/-266.597 χ^2/NDF:57.3/30

All: -448.696+/-185.130 χ^2/NDF: 95.3/59



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 954.456+/-0.212 χ^2/NDF:325237.1/12

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 955.760+/-0.206 χ^2/NDF:283591.5/12

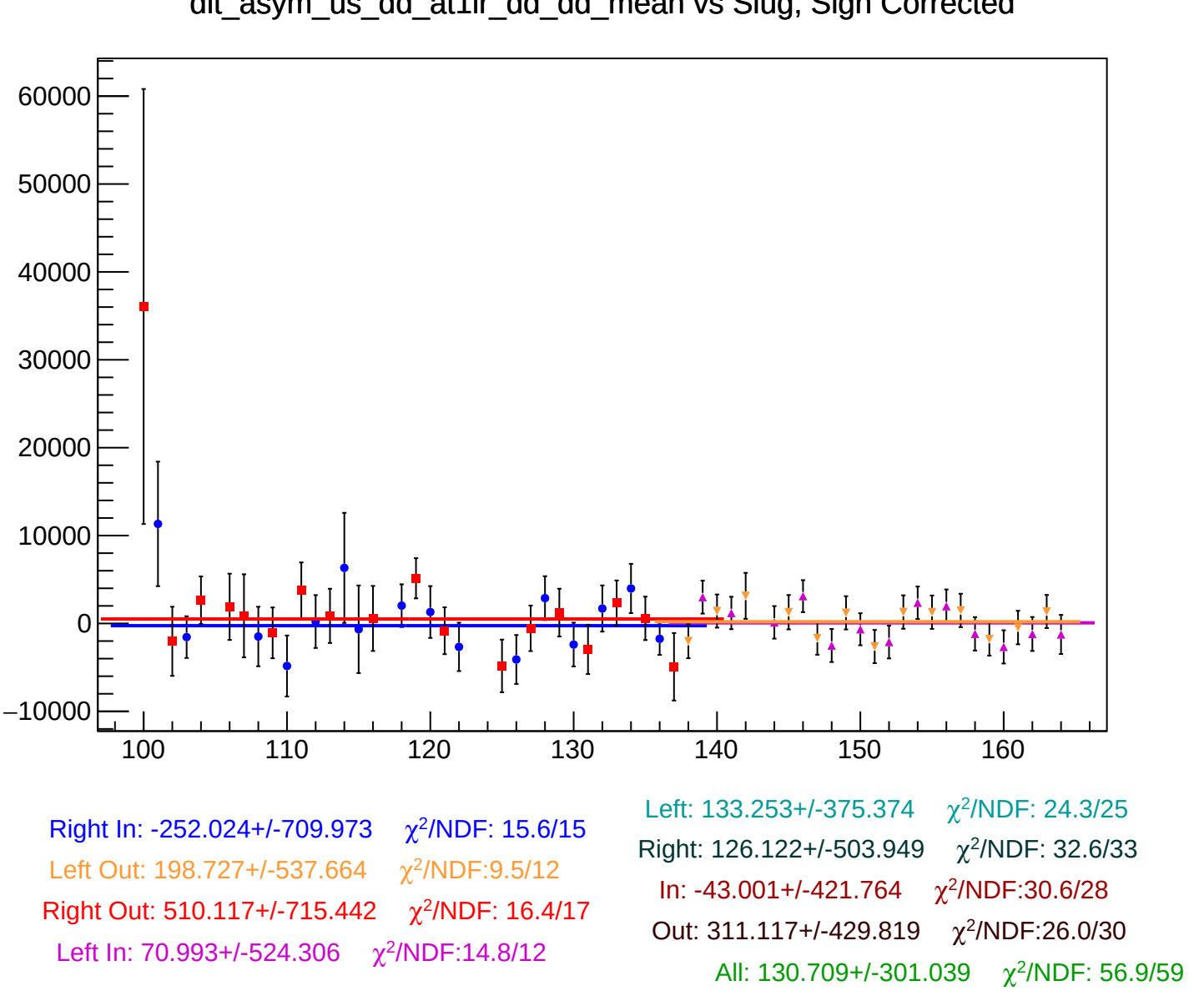
Left: 955.126+/-0.148 χ^2/NDF: 608848.1/25

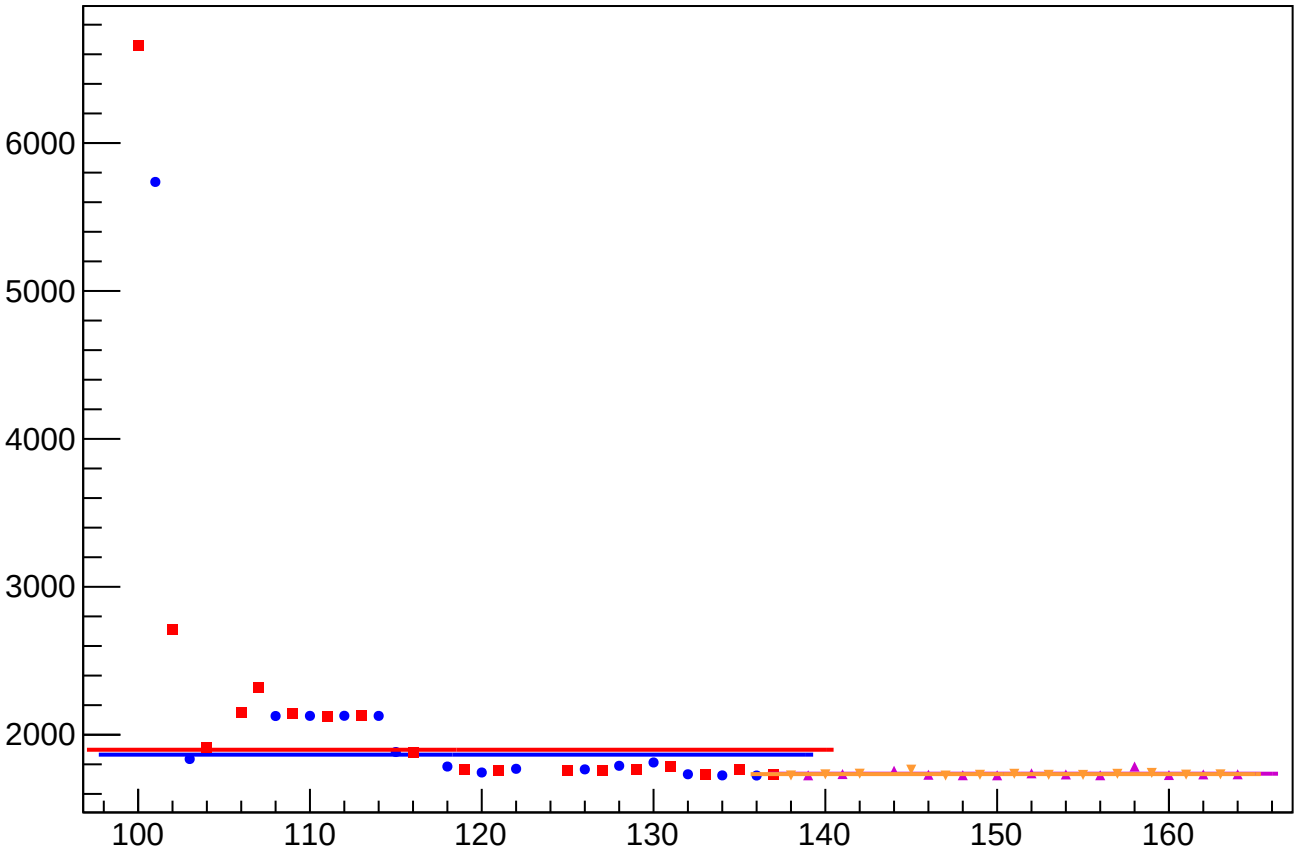
Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1055.032+/-0.182 χ^2/NDF:2512434.9/28

Out: 1067.207+/-0.189 χ^2/NDF:2707474.5/30

All: 1060.903+/-0.131 χ^2/NDF: 5222069.1/59


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
160
Right In: -252.024+/-709.973 χ²/NDF: 15.6/15
Left Out: 198.727+/-537.664 χ²/NDF:9.5/12
Right Out: 510.117+/-715.442 χ²/NDF: 16.4/17
Left In: 70.993+/-524.306 χ²/NDF:14.8/12
Left: 133.253+/-375.374 χ²/NDF: 24.3/25
Right: 126.122+/-503.949 χ²/NDF: 32.6/33
In: -43.001+/-421.764 χ²/NDF:30.6/28
Out: 311.117+/-429.819 χ²/NDF:26.0/30
All: 130.709+/-301.039 χ²/NDF: 56.9/59



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.859+/-0.380 χ^2/NDF:662.0/12

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1736.602+/-0.371 χ^2/NDF:1897.0/12

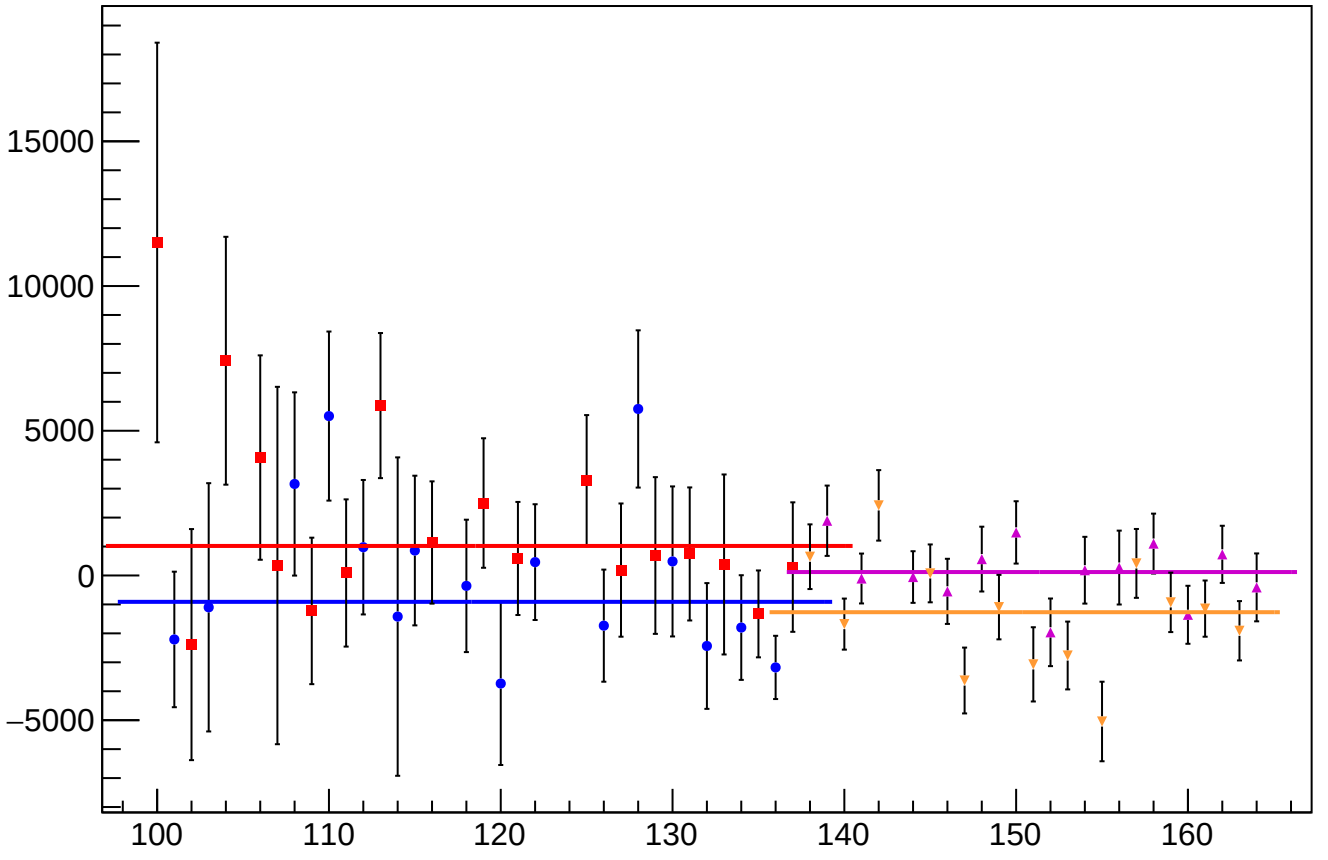
Left: 1735.265+/-0.265 χ^2/NDF: 2585.7/25

Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1782.069+/-0.298 χ^2/NDF:719505.5/28

Out: 1793.320+/-0.304 χ^2/NDF:337544.1/30

All: 1787.588+/-0.213 χ^2/NDF: 1057747.6/59



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1268.722+/-303.269 χ^2/NDF:32.2/12

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 118.478+/-294.732 χ^2/NDF:11.2/12

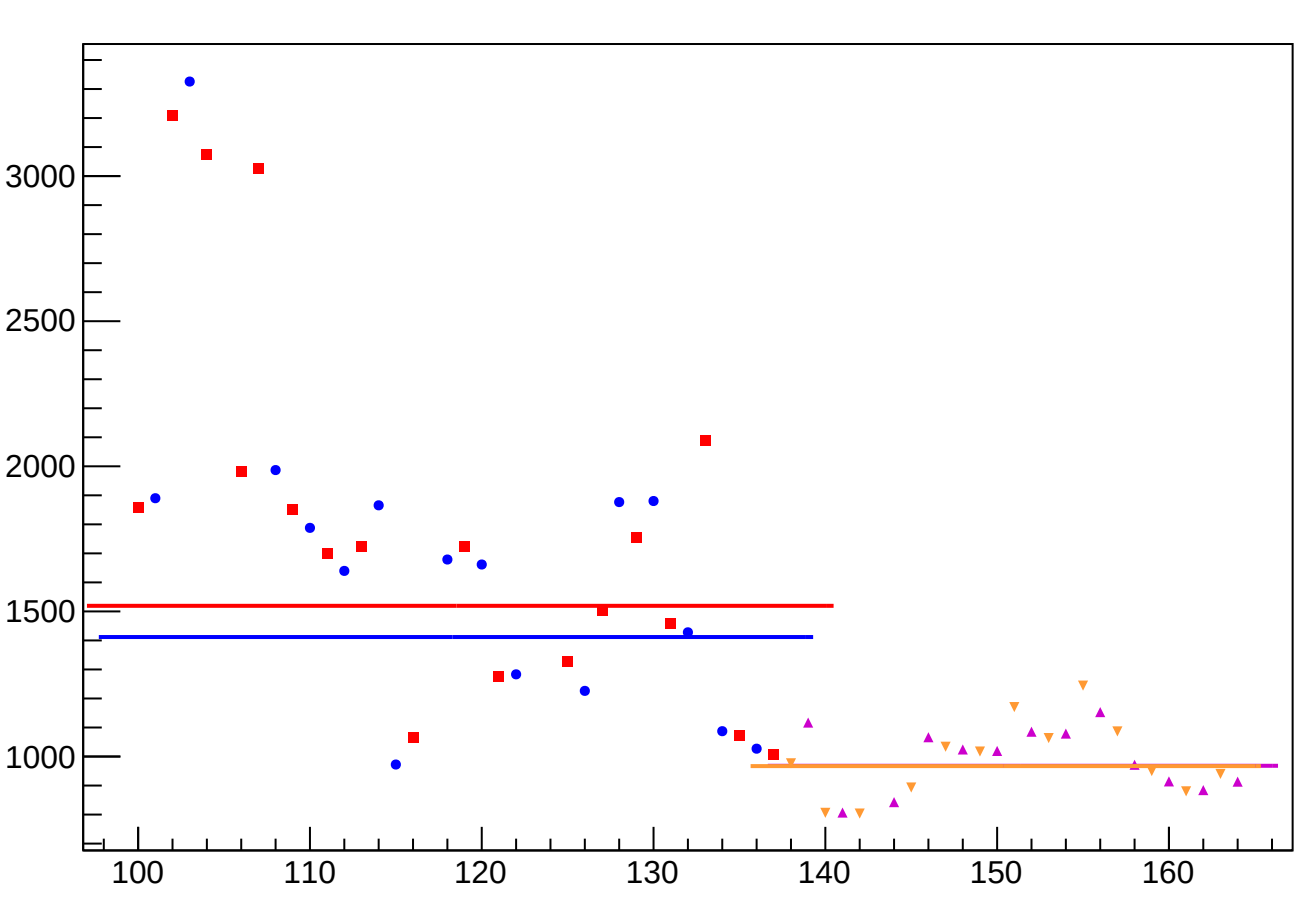
Left: -555.322+/-211.361 χ^2/NDF: 54.1/25

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -110.645+/-259.871 χ^2/NDF:34.9/28

Out: -792.415+/-269.875 χ^2/NDF:58.9/30

All: -438.659+/-187.193 χ^2/NDF: 97.2/59



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 966.998+/-0.214 χ^2/NDF:308132.6/12

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 968.122+/-0.208 χ^2/NDF:269573.3/12

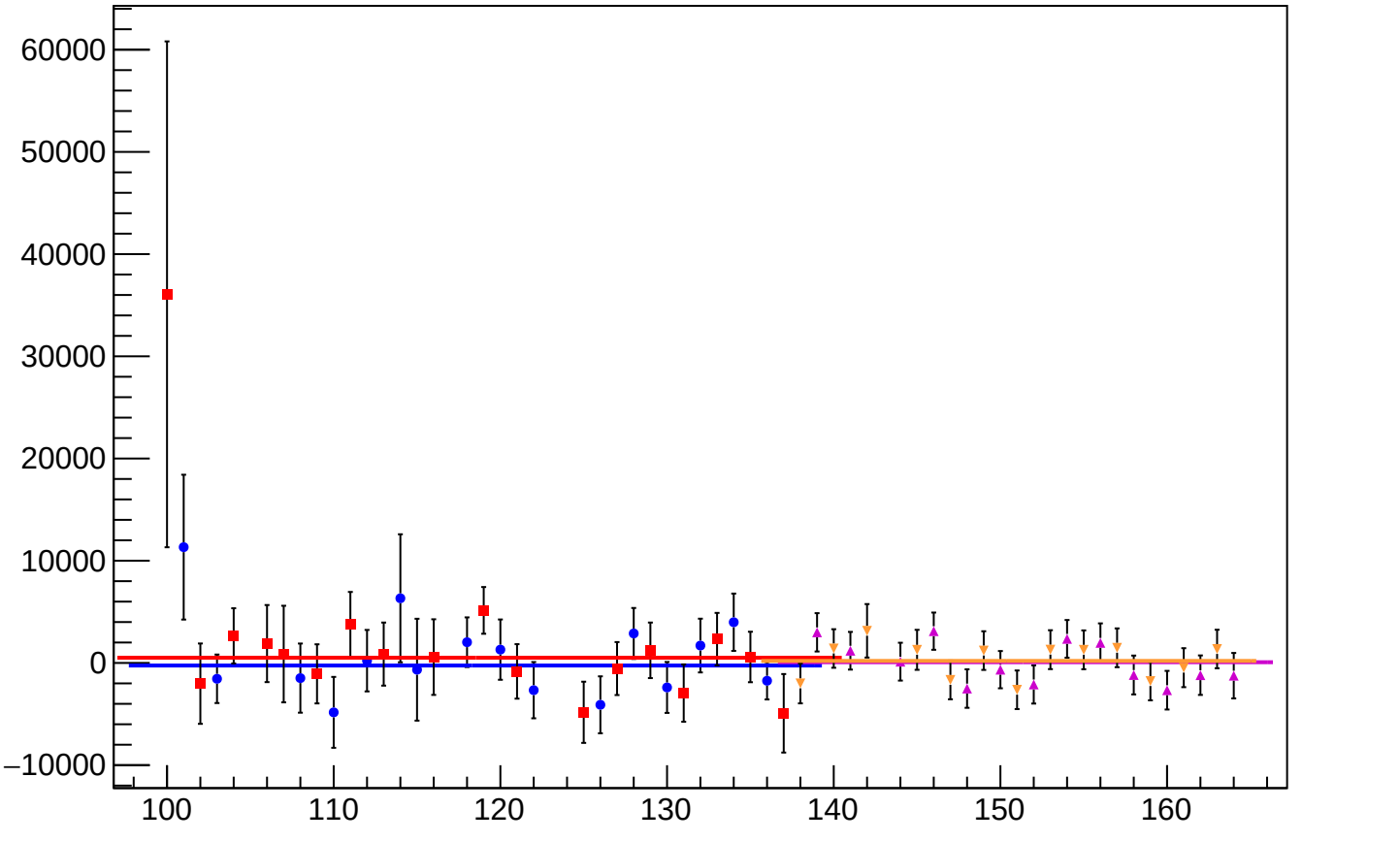
Left: 967.576+/-0.149 χ^2/NDF: 577720.1/25

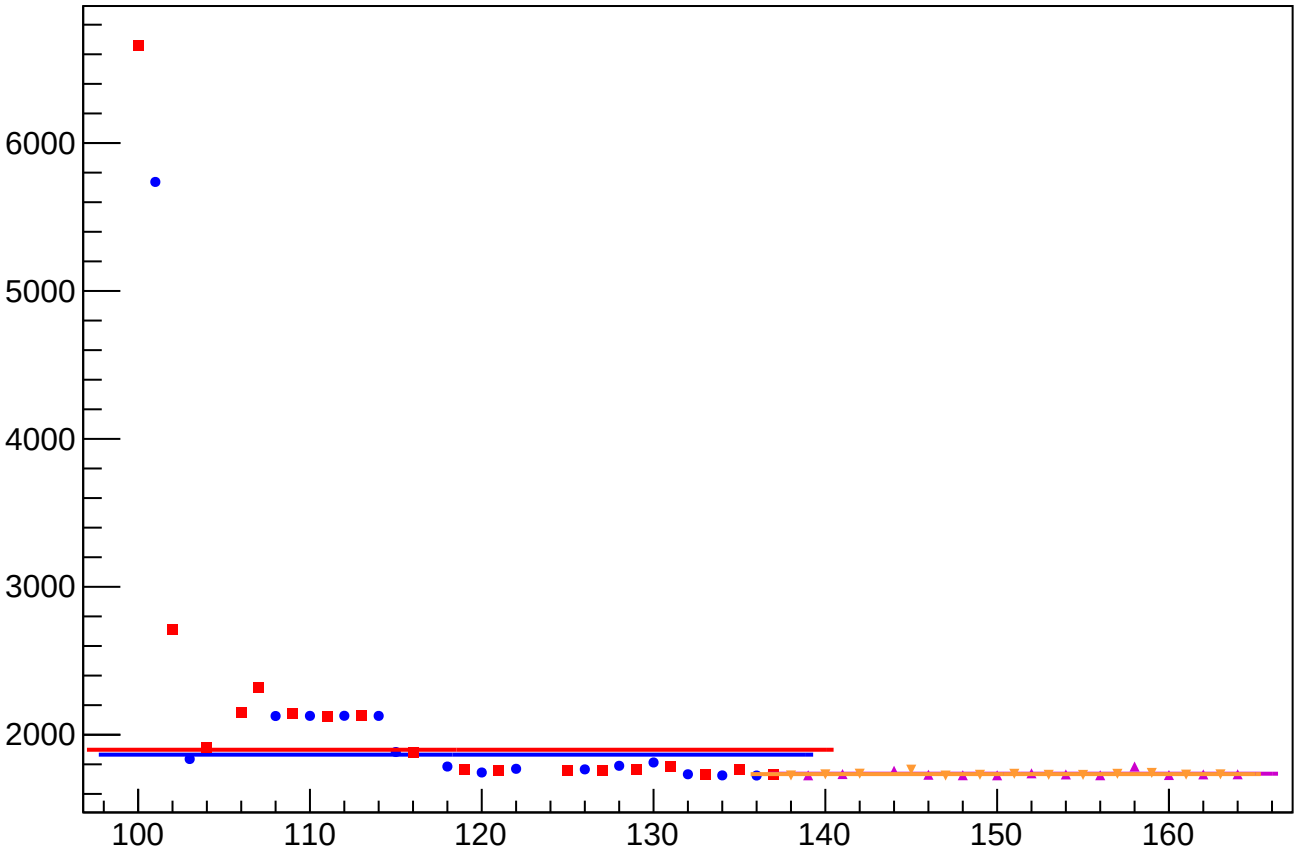
Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1066.861+/-0.184 χ^2/NDF:2455827.6/28

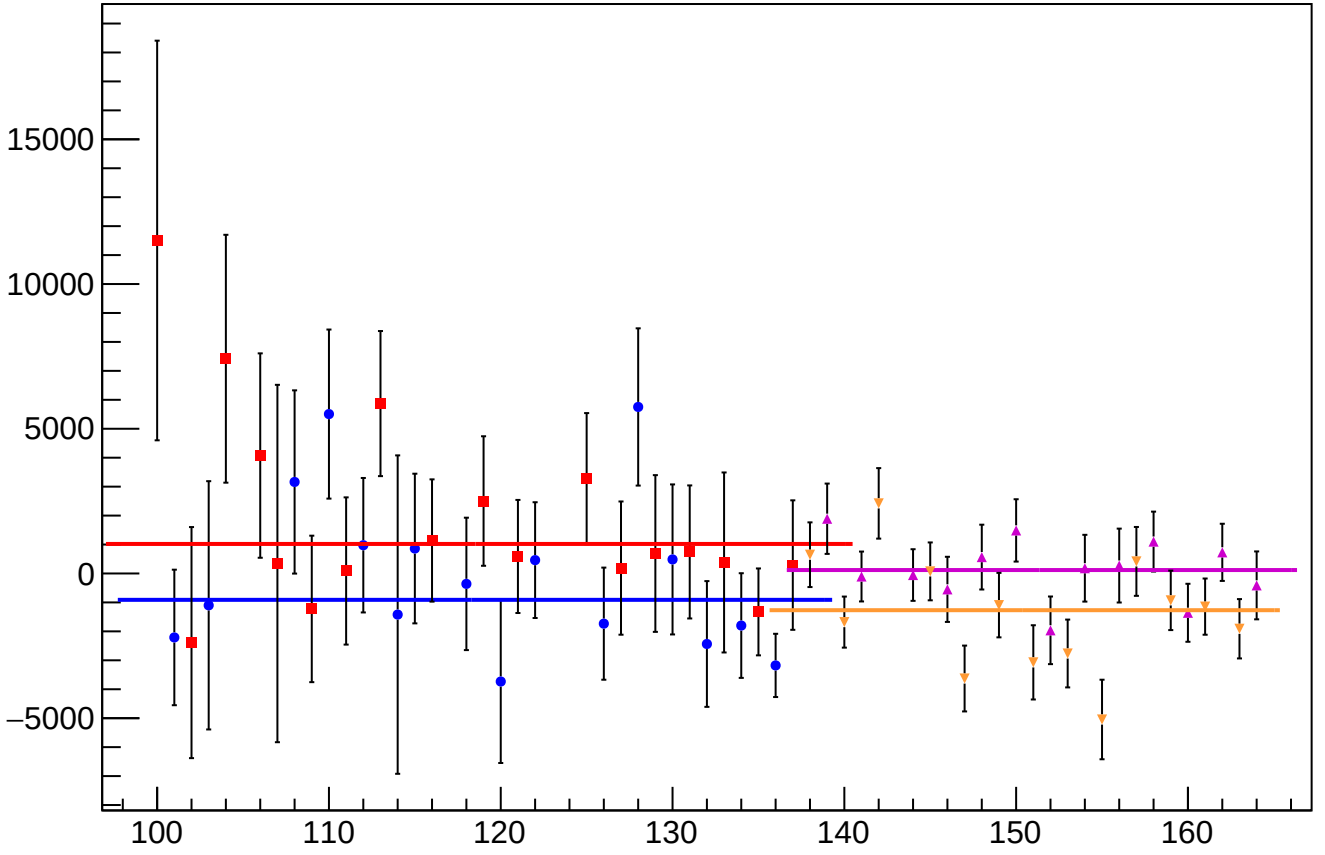
Out: 1081.933+/-0.191 χ^2/NDF:3048679.9/30

All: 1074.112+/-0.132 χ^2/NDF: 5507744.2/59


eigen_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
160
Right In: -252.023+/-709.973 χ²/NDF: 15.6/15
Left Out: 198.727+/-537.664 χ²/NDF:9.5/12
Right Out: 510.117+/-715.442 χ²/NDF: 16.4/17
Left In: 70.993+/-524.306 χ²/NDF:14.8/12
Left: 133.253+/-375.374 χ²/NDF: 24.3/25
Right: 126.122+/-503.949 χ²/NDF: 32.6/33
In: -43.001+/-421.764 χ²/NDF:30.6/28
Out: 311.116+/-429.819 χ²/NDF:26.0/30
All: 130.709+/-301.039 χ²/NDF: 56.9/59


eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1865.440+/-0.502 χ²/NDF: 674989.6/15
Left Out: 1733.859+/-0.380 χ²/NDF:662.0/12
Right Out: 1898.603+/-0.506 χ²/NDF: 269109.9/17
Left In: 1736.602+/-0.371 χ²/NDF:1897.0/12
Left: 1735.265+/-0.265 χ²/NDF: 2585.7/25
Right: 1881.894+/-0.356 χ²/NDF: 946264.6/33
In: 1782.069+/-0.298 χ²/NDF:719505.4/28
Out: 1793.320+/-0.304 χ²/NDF:337543.8/30
All: 1787.588+/-0.213 χ²/NDF: 1057747.3/59

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: -1268.719+/-303.269 χ^2/NDF:32.2/12

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 118.475+/-294.732 χ^2/NDF:11.2/12

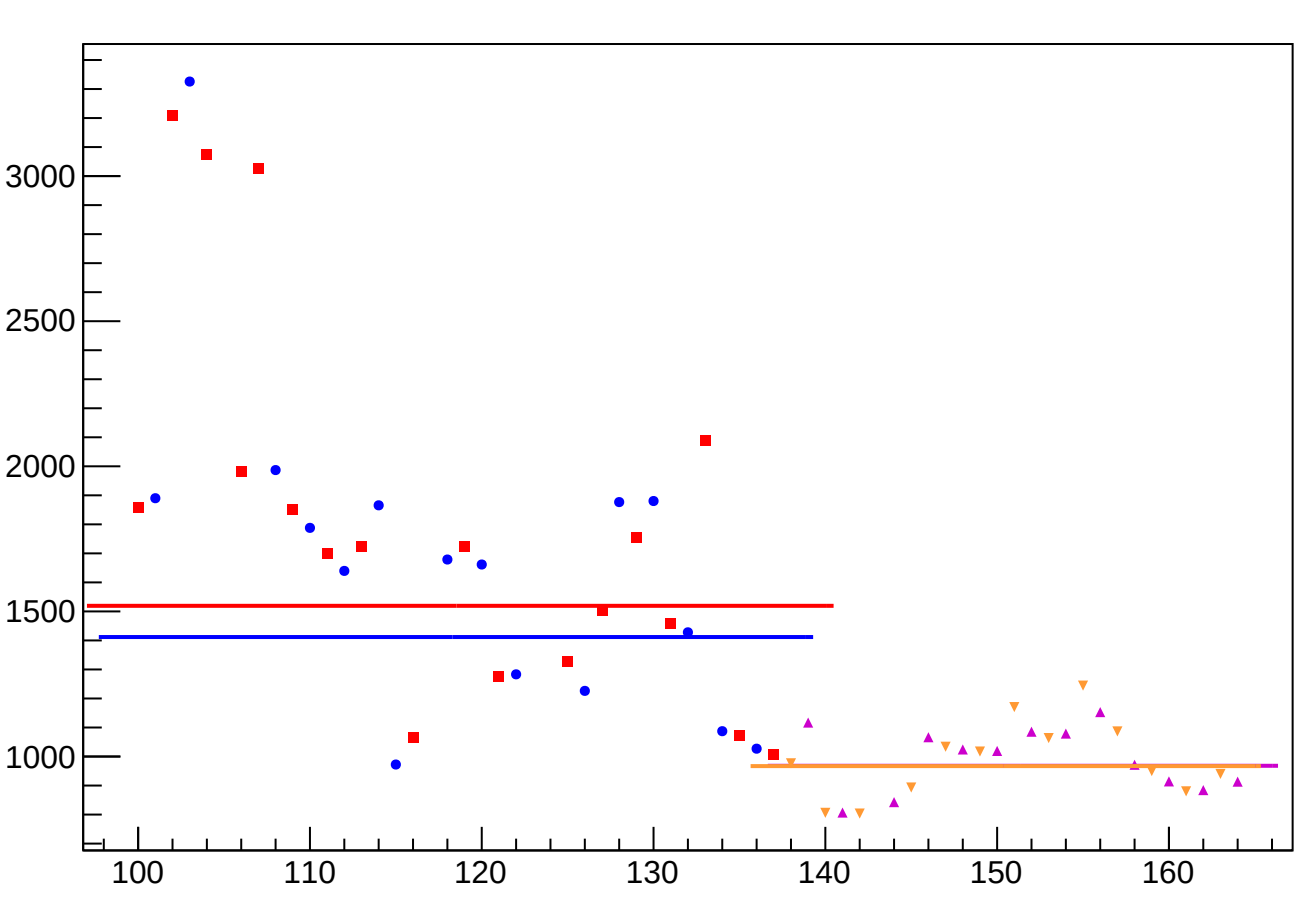
Left: -555.323+/-211.361 χ^2/NDF: 54.1/25

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -110.646+/-259.871 χ^2/NDF:34.9/28

Out: -792.412+/-269.875 χ^2/NDF:58.9/30

All: -438.658+/-187.193 χ^2/NDF: 97.2/59



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 966.998+/-0.214 χ^2/NDF:308141.7/12

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 968.122+/-0.208 χ^2/NDF:269581.3/12

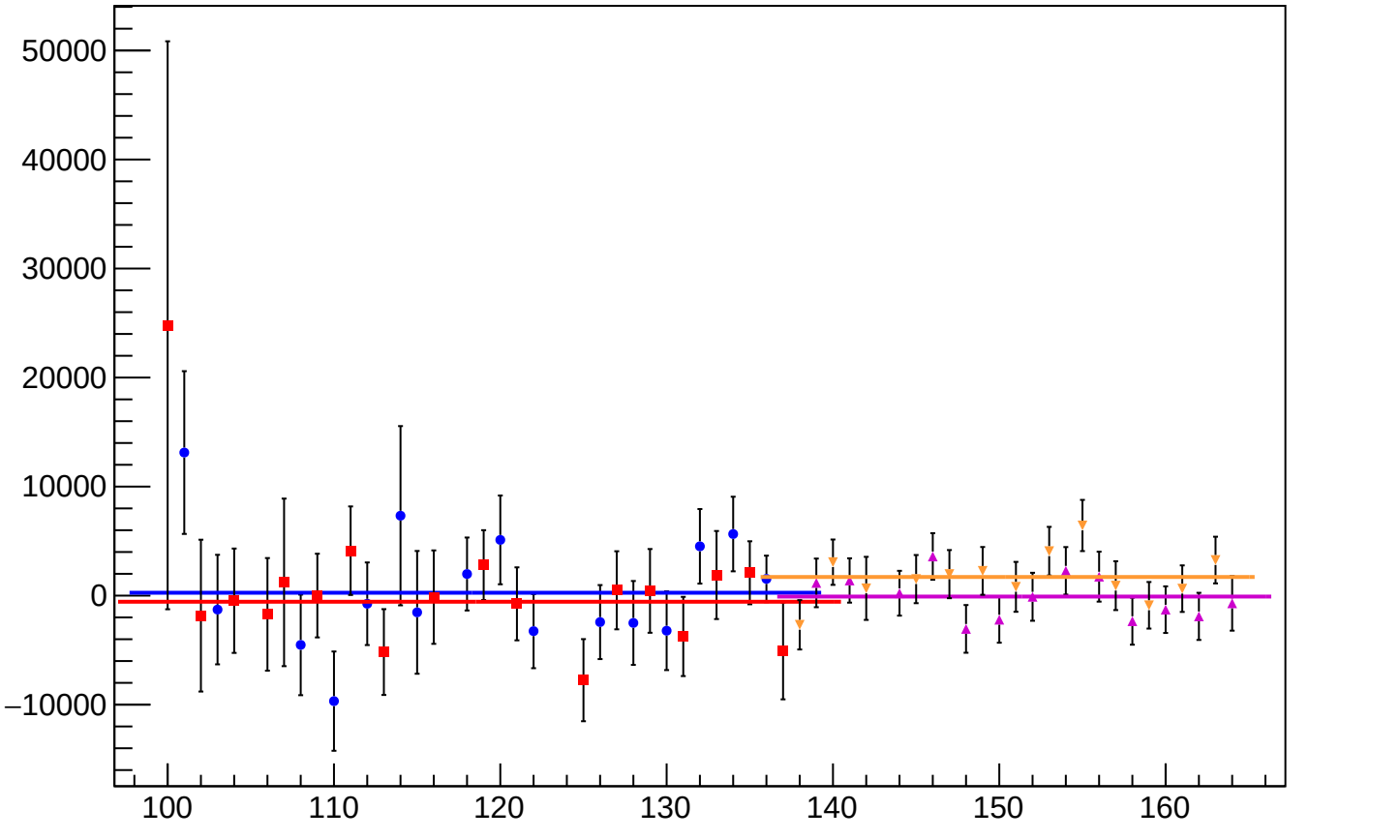
Left: 967.576+/-0.149 χ^2/NDF: 577737.1/25

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1066.860+/-0.184 χ^2/NDF:2455825.1/28

Out: 1081.932+/-0.191 χ^2/NDF:3048685.5/30

All: 1074.112+/-0.132 χ^2/NDF: 5507747.3/59



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1709.146+/-620.904 χ^2/NDF:12.1/12

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: -86.116+/-603.452 χ^2/NDF:10.7/12

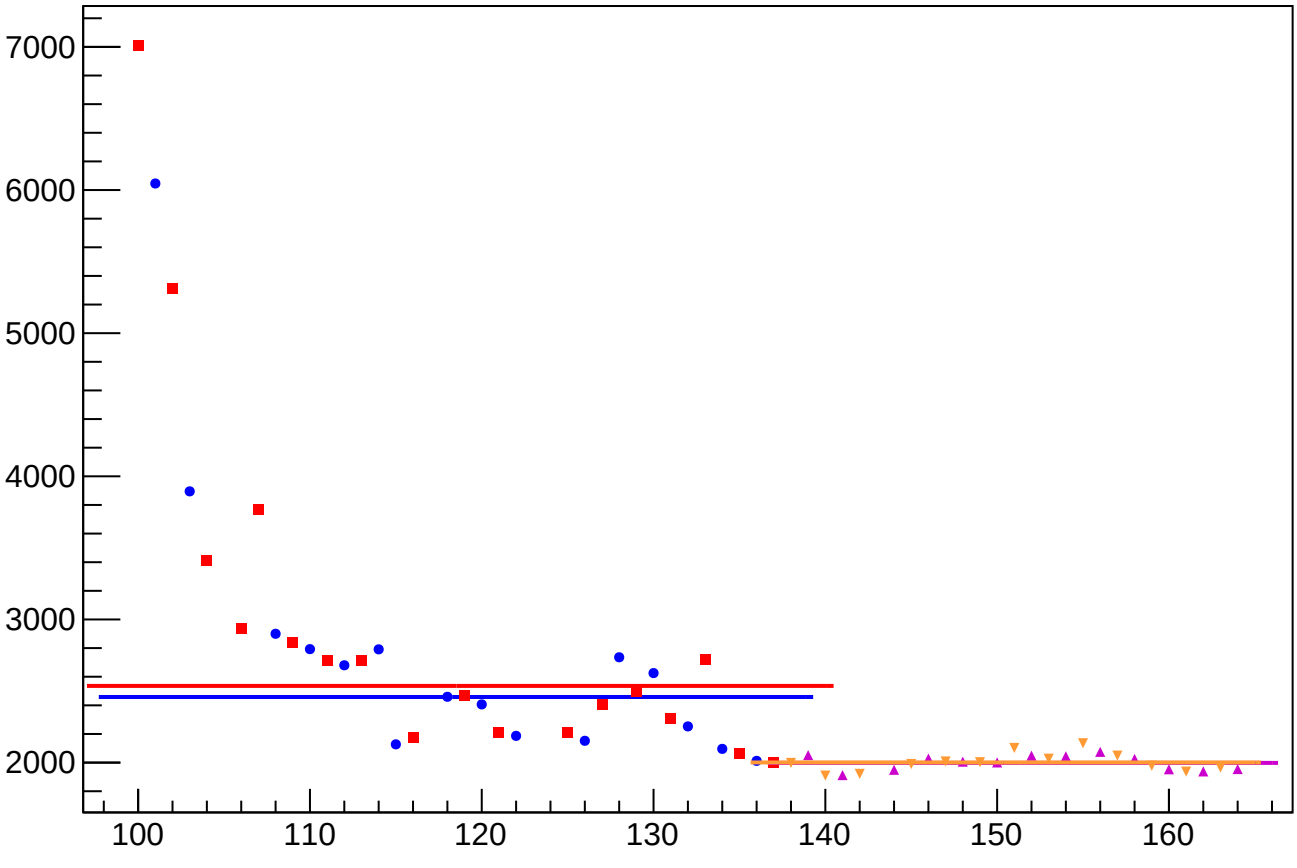
Left: 785.930+/-432.743 χ^2/NDF: 27.1/25

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 15.872+/-508.127 χ^2/NDF:29.8/28

Out: 1042.488+/-521.830 χ^2/NDF:27.8/30

All: 515.524+/-364.048 χ^2/NDF: 59.6/59



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 2000.968+/-0.439 χ^2/NDF:19665.8/12

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1997.921+/-0.427 χ^2/NDF:13777.4/12

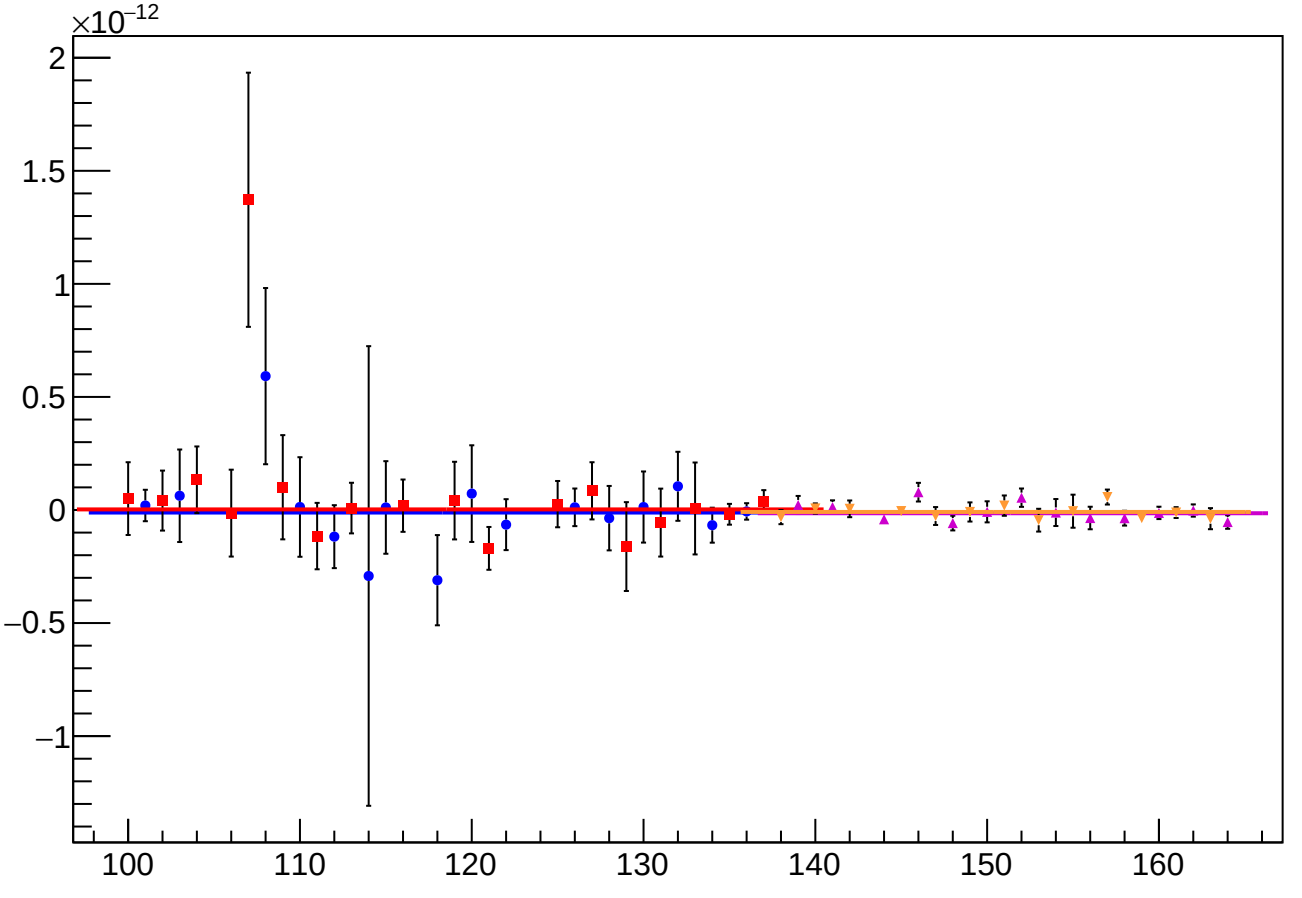
Left: 1999.401+/-0.306 χ^2/NDF: 33467.9/25

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2131.891+/-0.359 χ^2/NDF:1185429.4/28

Out: 2158.027+/-0.369 χ^2/NDF:1128761.9/30

All: 2144.611+/-0.257 χ^2/NDF: 2316766.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:15.6/12

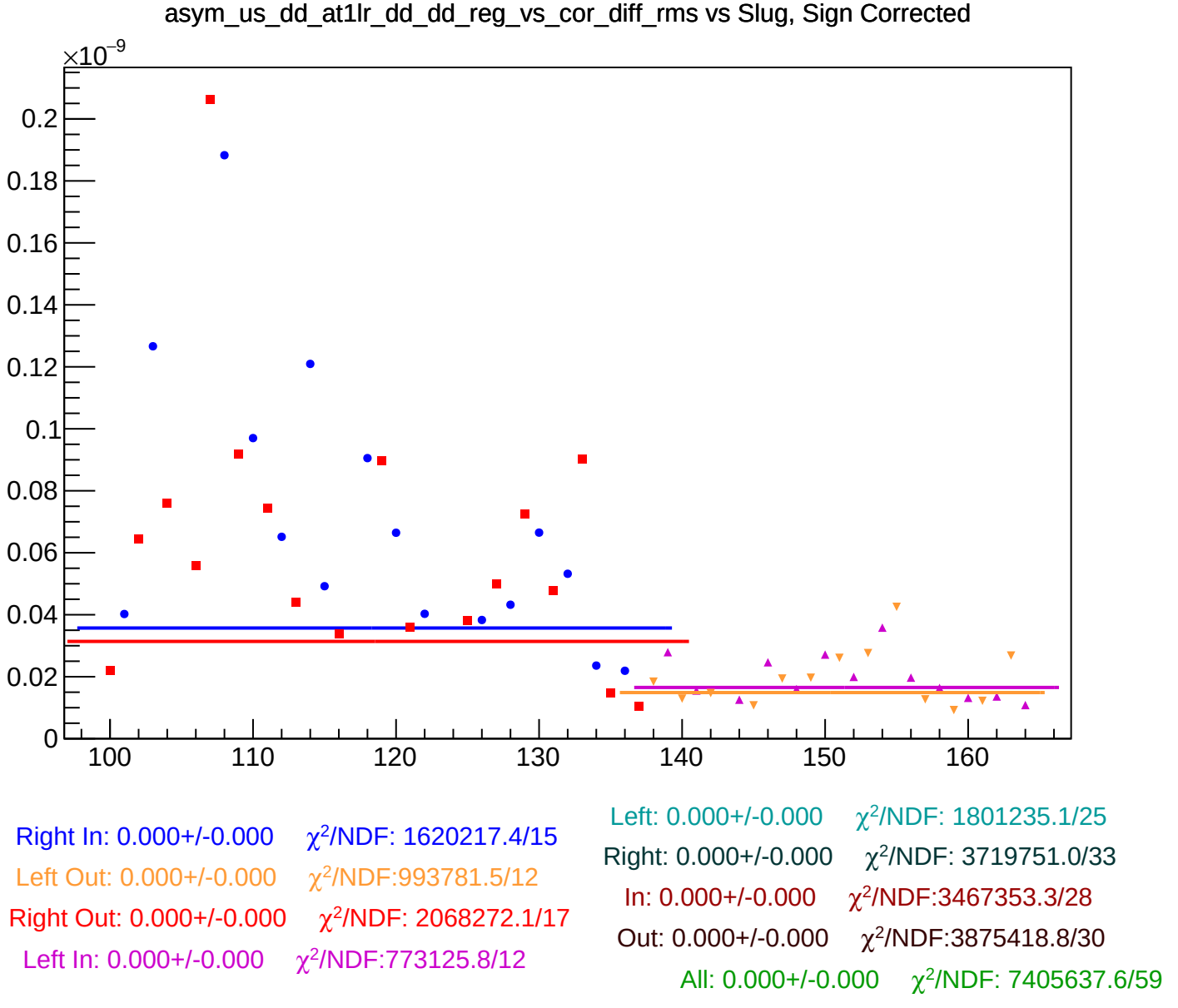
Left: -0.000+/-0.000 χ^2/NDF: 24.0/25

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

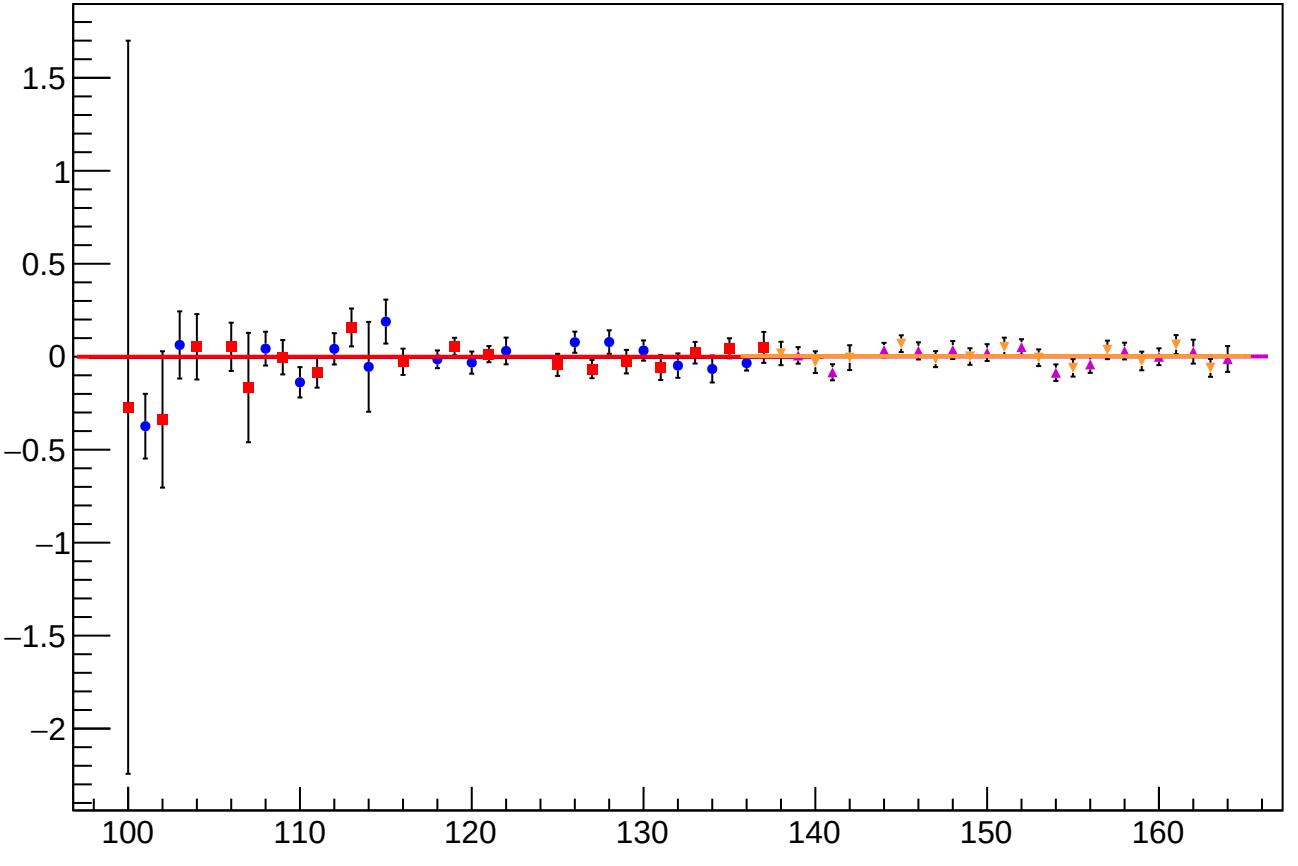
In: -0.000+/-0.000 χ^2/NDF:22.9/28

Out: -0.000+/-0.000 χ^2/NDF:21.6/30

All: -0.000+/-0.000 χ^2/NDF: 44.8/59


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
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:993781.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:773125.8/12
Left: 0.000+/-0.000 χ²/NDF: 1801235.1/25
Right: 0.000+/-0.000 χ²/NDF: 3719751.0/33
In: 0.000+/-0.000 χ²/NDF:3467353.3/28
Out: 0.000+/-0.000 χ²/NDF:3875418.8/30
All: 0.000+/-0.000 χ²/NDF: 7405637.6/59

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: 0.003+/-0.014 χ^2/NDF:9.4/12

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.013 χ^2/NDF:12.5/12

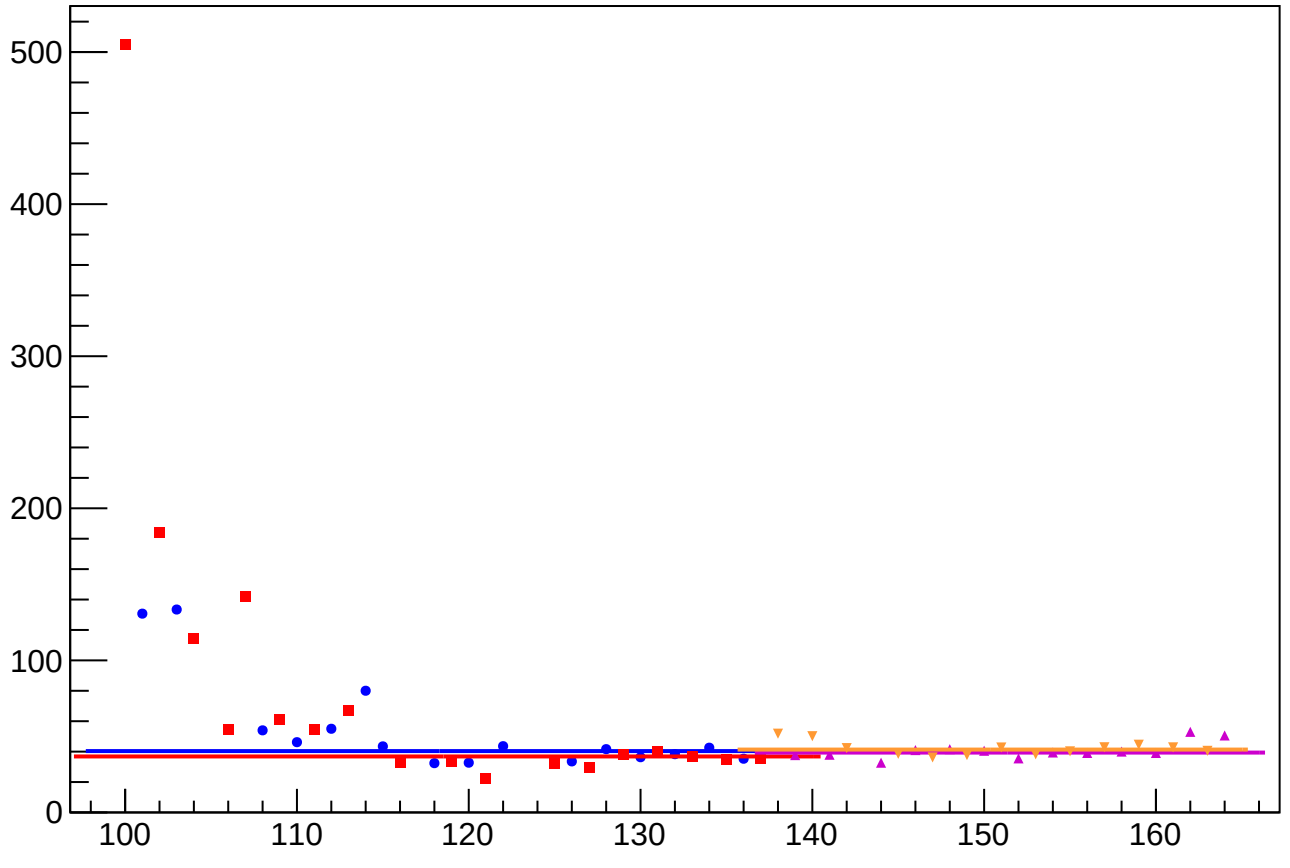
Left: 0.002+/-0.009 χ^2/NDF: 22.0/25

Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:29.7/28

Out: 0.002+/-0.011 χ^2/NDF:20.4/30

All: 0.001+/-0.007 χ^2/NDF: 50.1/59



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.349+/-0.010 χ^2/NDF:175265.6/12

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.372+/-0.009 χ^2/NDF:231231.6/12

Left: 40.292+/-0.007 χ^2/NDF: 428522.5/25

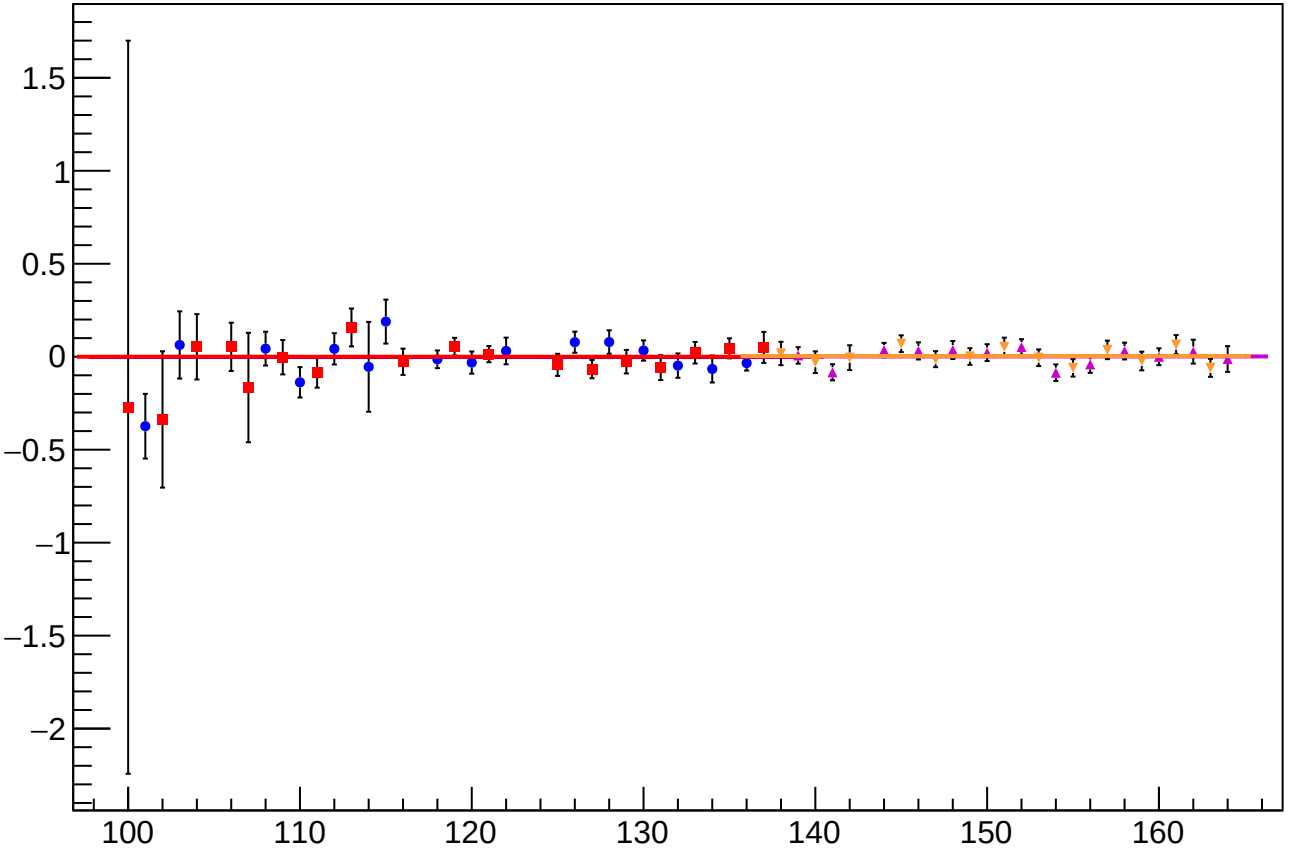
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.726+/-0.007 χ^2/NDF:1645573.5/28

Out: 39.512+/-0.008 χ^2/NDF:2099933.9/30

All: 39.623+/-0.005 χ^2/NDF: 3745925.4/59

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: 0.003+/-0.014 χ^2/NDF:9.4/12

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.013 χ^2/NDF:12.5/12

Left: 0.002+/-0.009 χ^2/NDF: 22.0/25

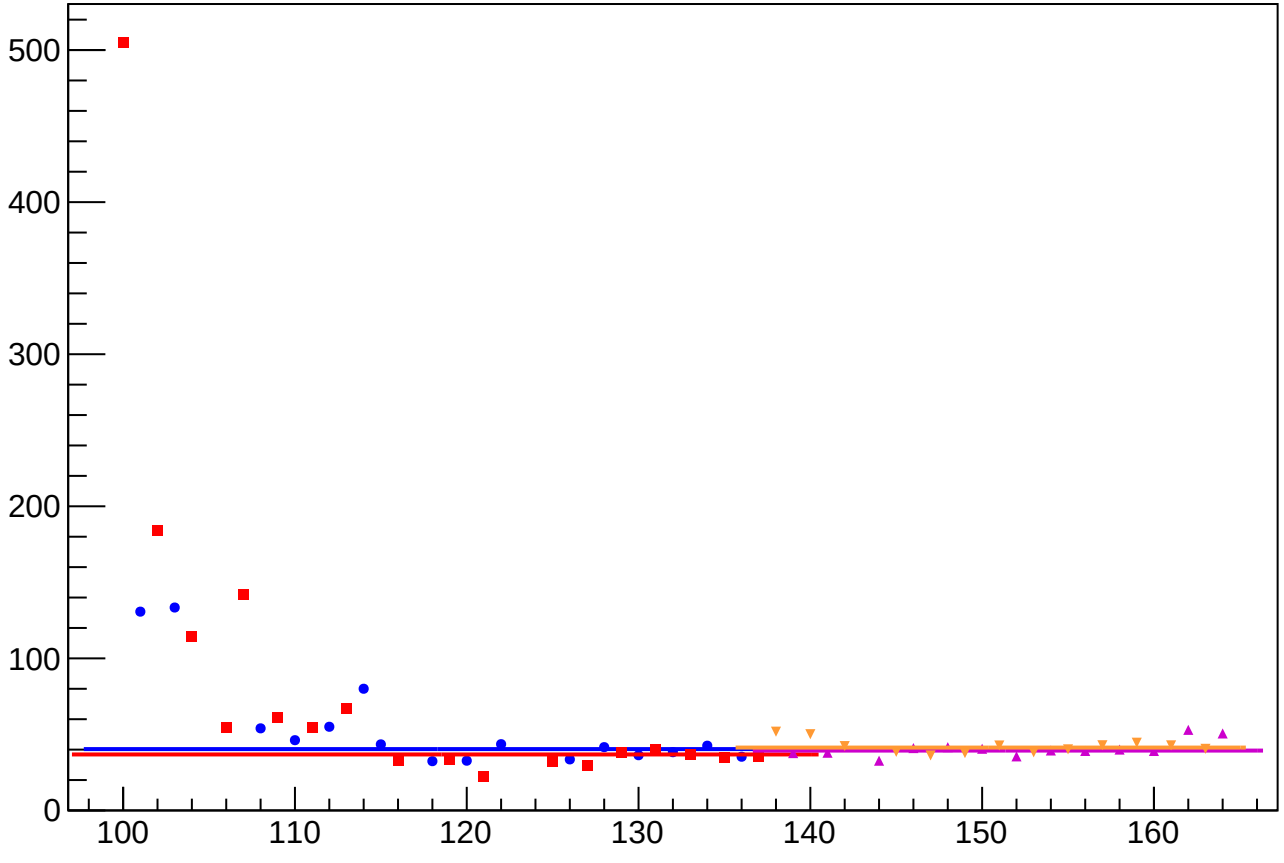
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:29.7/28

Out: 0.002+/-0.011 χ^2/NDF:20.4/30

All: 0.001+/-0.007 χ^2/NDF: 50.1/59

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.349+/-0.010 χ^2/NDF:175265.6/12

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.372+/-0.009 χ^2/NDF:231231.6/12

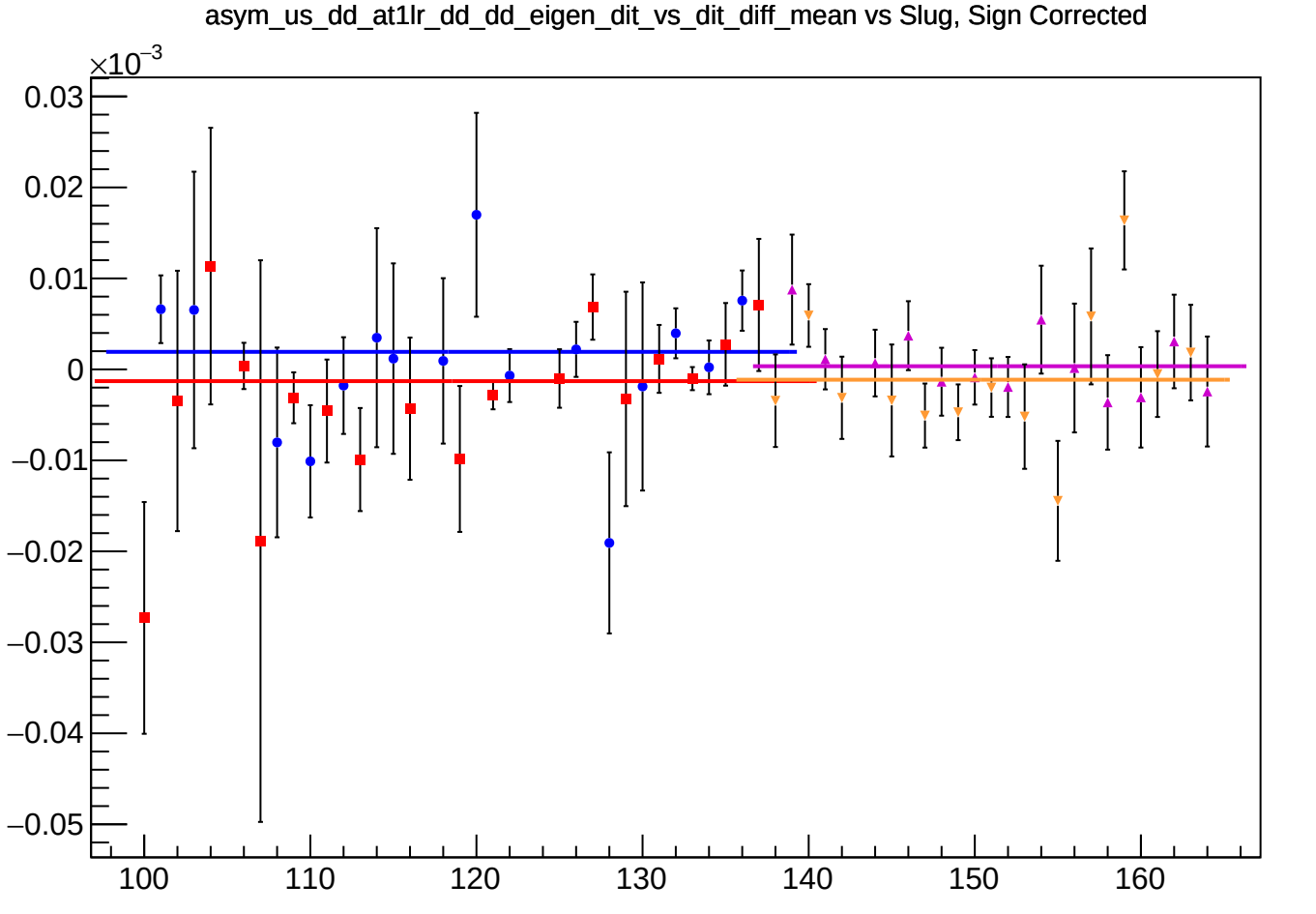
Left: 40.292+/-0.007 χ^2/NDF: 428522.5/25

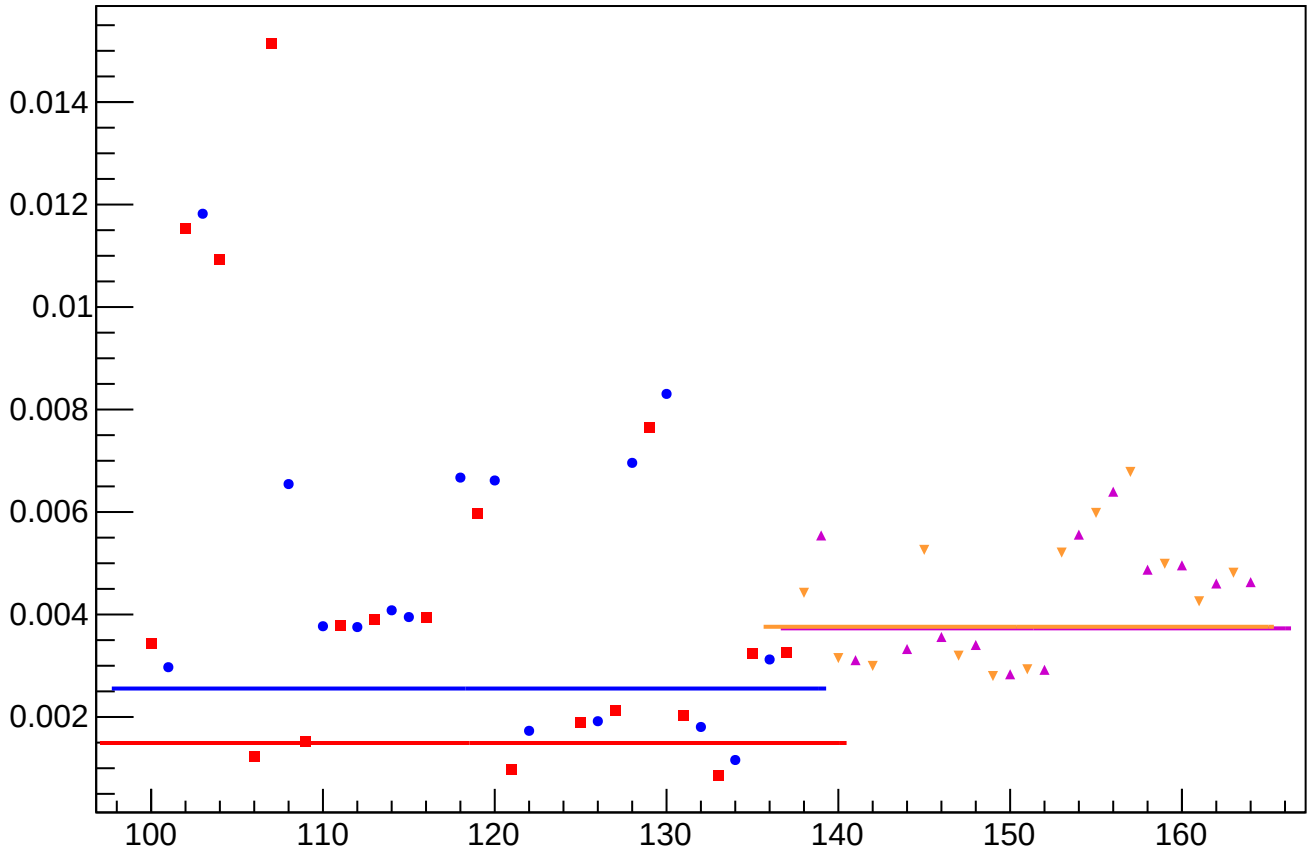
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.726+/-0.007 χ^2/NDF:1645573.5/28

Out: 39.512+/-0.008 χ^2/NDF:2099933.9/30

All: 39.623+/-0.005 χ^2/NDF: 3745925.4/59


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
160
Right In: 0.000+/-0.000 χ²/NDF: 17.9/15
Left Out: -0.000+/-0.000 χ²/NDF:23.8/12
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:5.8/12
Left: -0.000+/-0.000 χ²/NDF: 30.4/25
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:24.6/28
Out: -0.000+/-0.000 χ²/NDF:42.7/30
All: -0.000+/-0.000 χ²/NDF: 72.7/59



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:1542858.9/12

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1365825.9/12

Left: 0.004+/-0.000 χ^2/NDF: 2909361.6/25

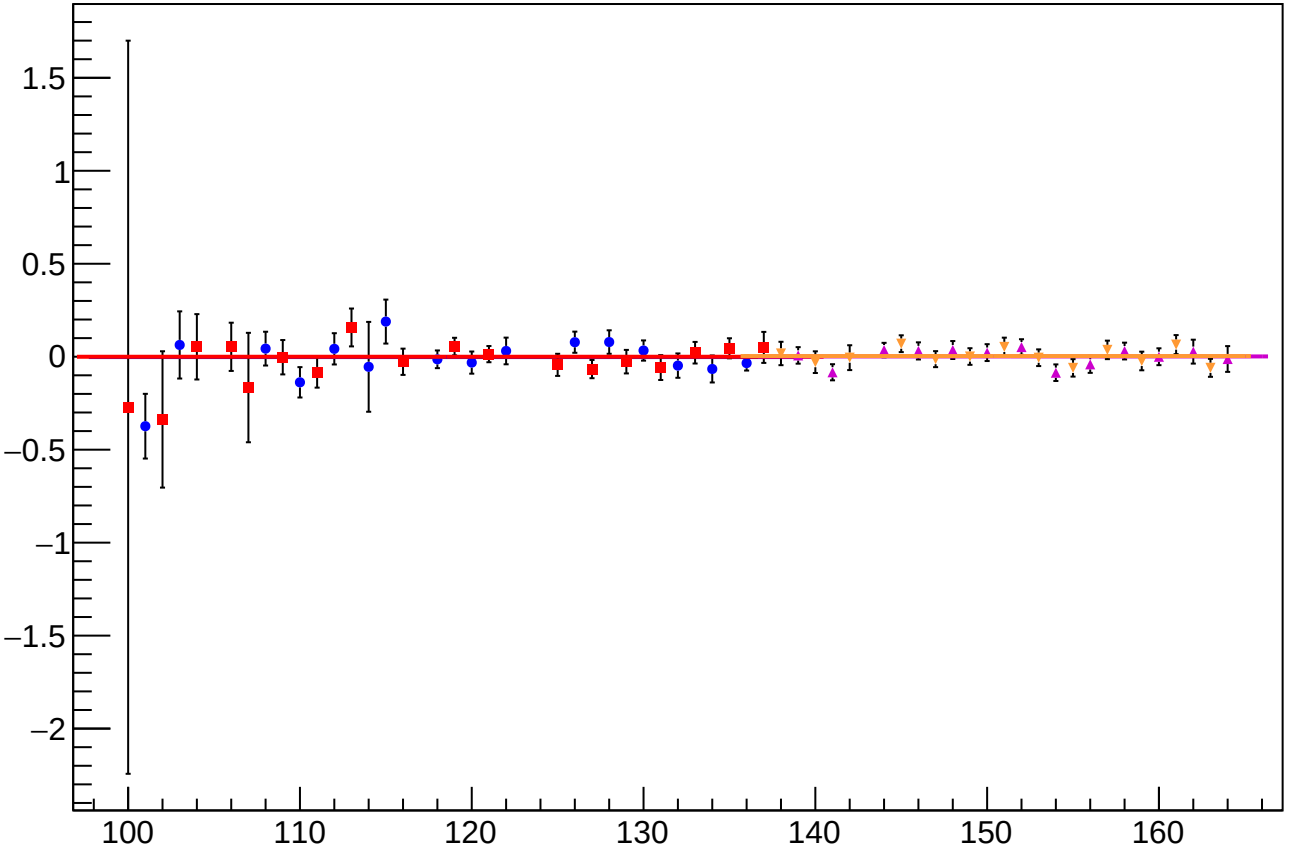
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6172922.8/28

Out: 0.002+/-0.000 χ^2/NDF:12100408.6/30

All: 0.002+/-0.000 χ^2/NDF: 20156711.0/59

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: 0.003+/-0.014 χ^2/NDF:9.4/12

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.013 χ^2/NDF:12.5/12

Left: 0.002+/-0.009 χ^2/NDF: 22.0/25

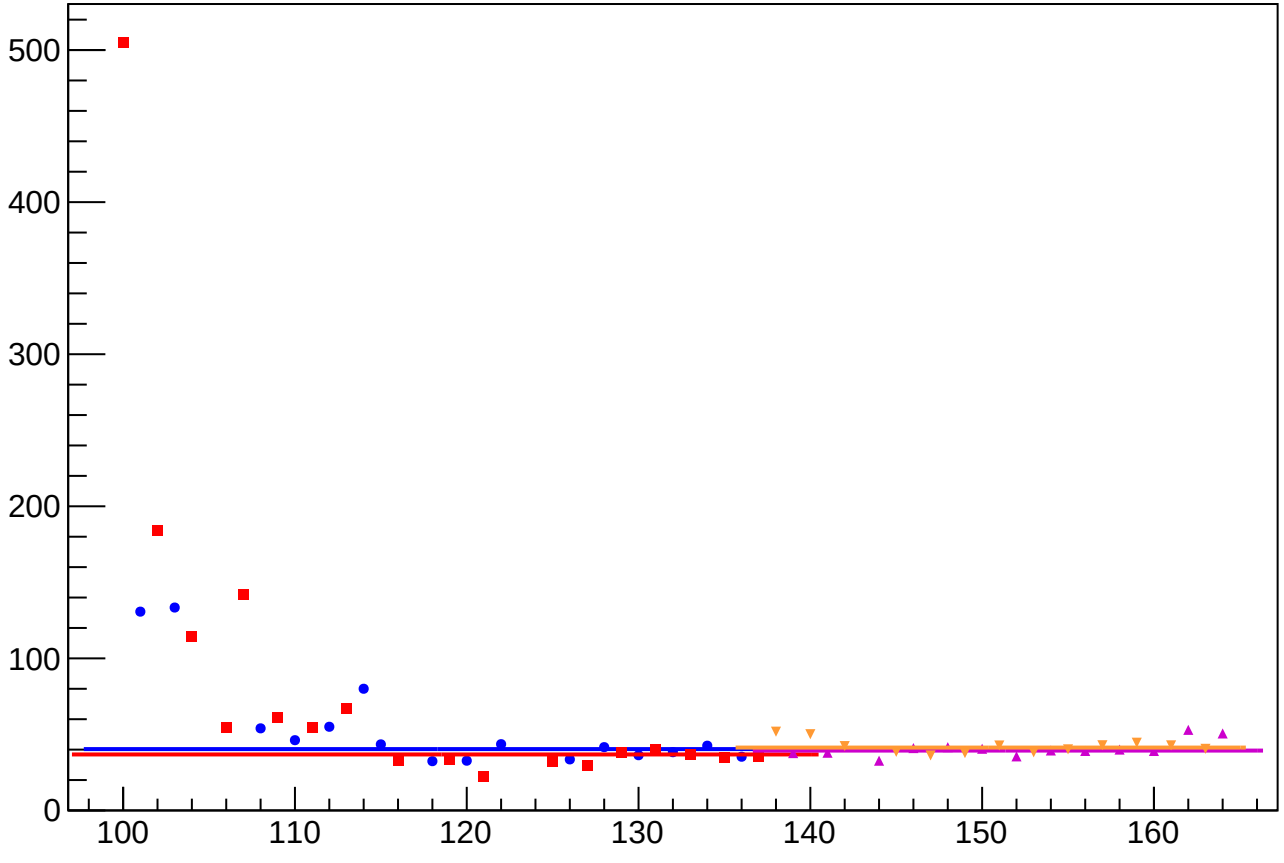
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:29.7/28

Out: 0.002+/-0.011 χ^2/NDF:20.4/30

All: 0.001+/-0.007 χ^2/NDF: 50.1/59

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.349+/-0.010 χ^2/NDF:175269.2/12

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.371+/-0.009 χ^2/NDF:231200.6/12

Left: 40.291+/-0.007 χ^2/NDF: 428497.4/25

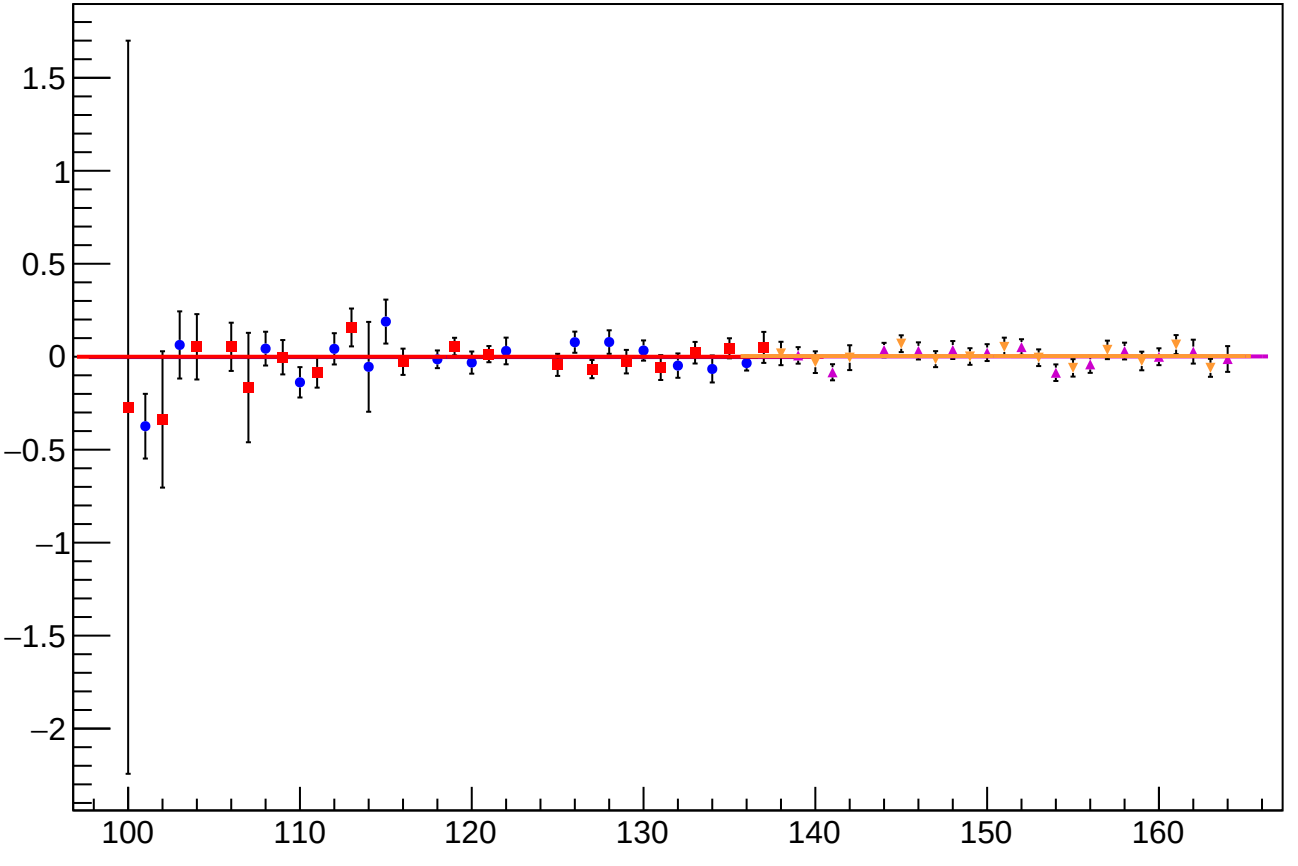
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.726+/-0.007 χ^2/NDF:1645447.3/28

Out: 39.512+/-0.008 χ^2/NDF:2099968.8/30

All: 39.622+/-0.005 χ^2/NDF: 3745836.1/59

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: 0.003+/-0.014 χ^2/NDF:9.4/12

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.013 χ^2/NDF:12.5/12

Left: 0.002+/-0.009 χ^2/NDF: 22.0/25

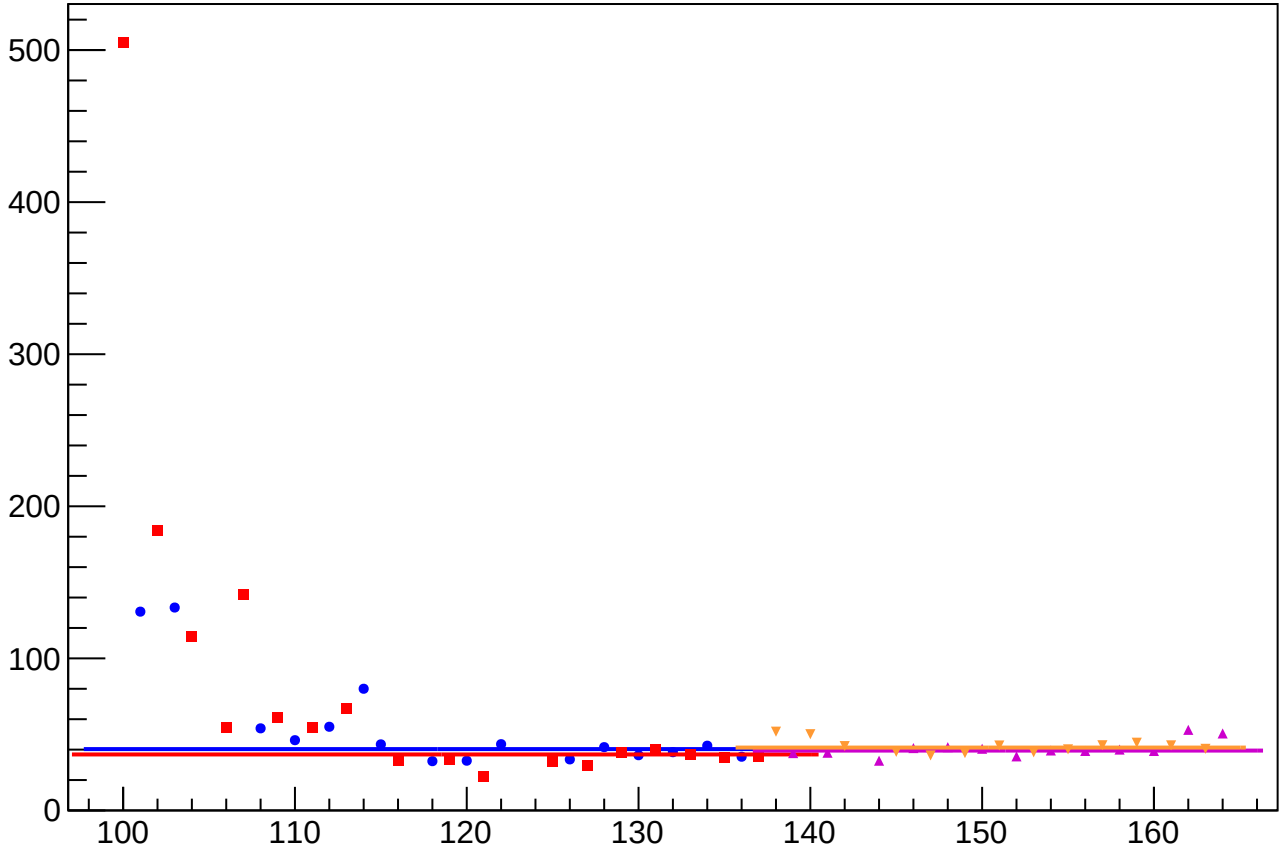
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:29.7/28

Out: 0.002+/-0.011 χ^2/NDF:20.4/30

All: 0.001+/-0.007 χ^2/NDF: 50.1/59

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.349+/-0.010 χ^2/NDF:175269.2/12

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.371+/-0.009 χ^2/NDF:231200.6/12

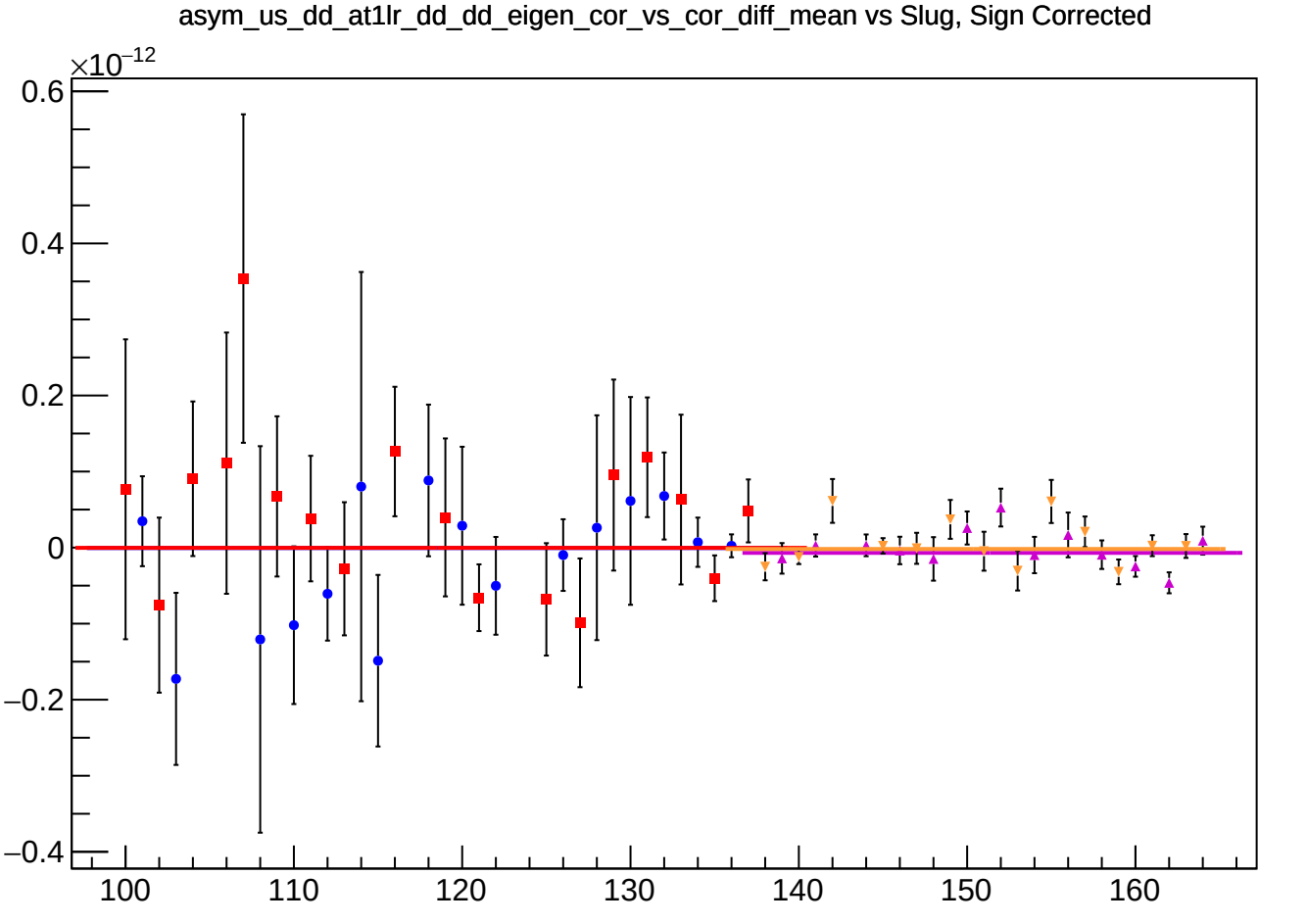
Left: 40.291+/-0.007 χ^2/NDF: 428497.4/25

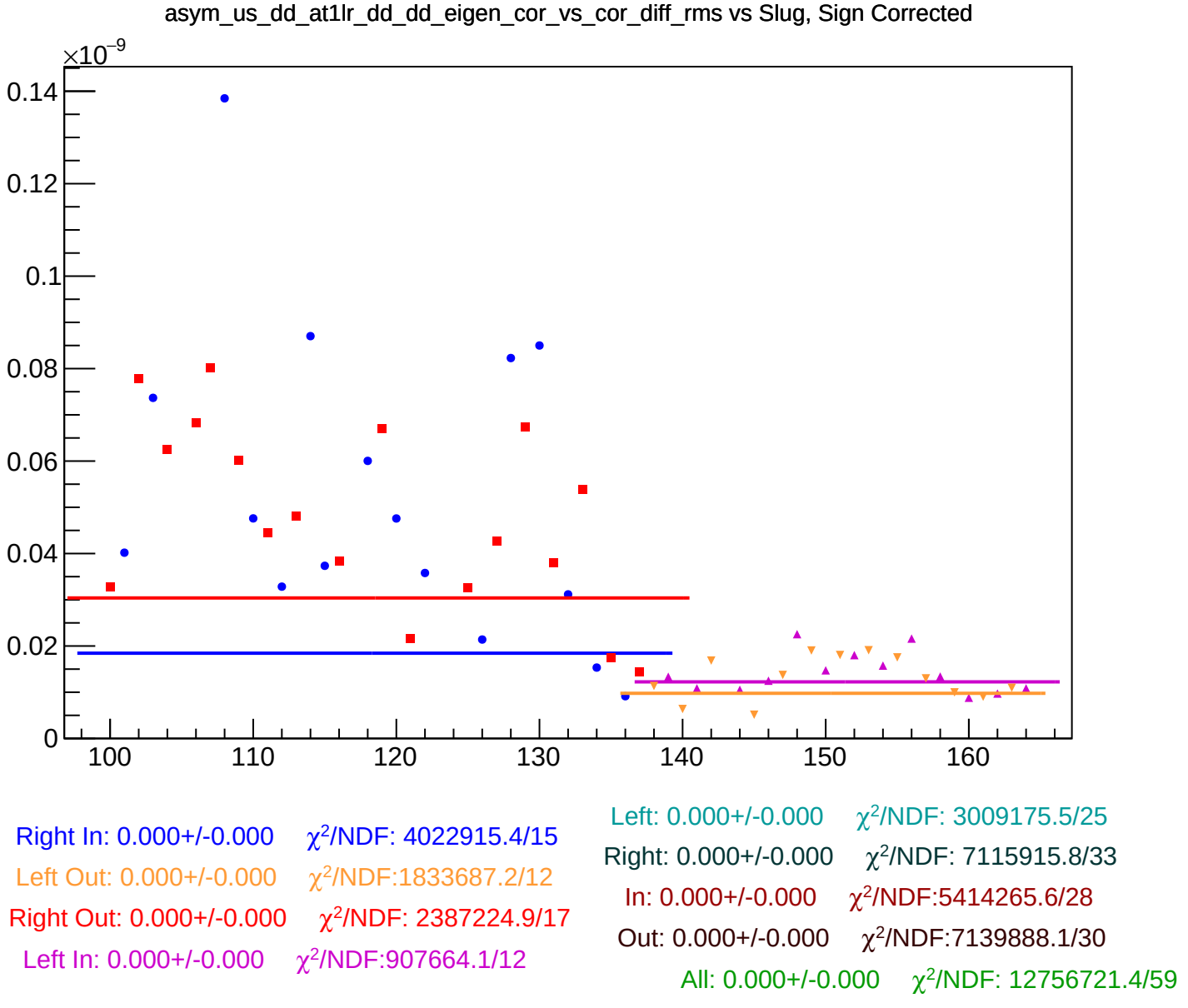
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

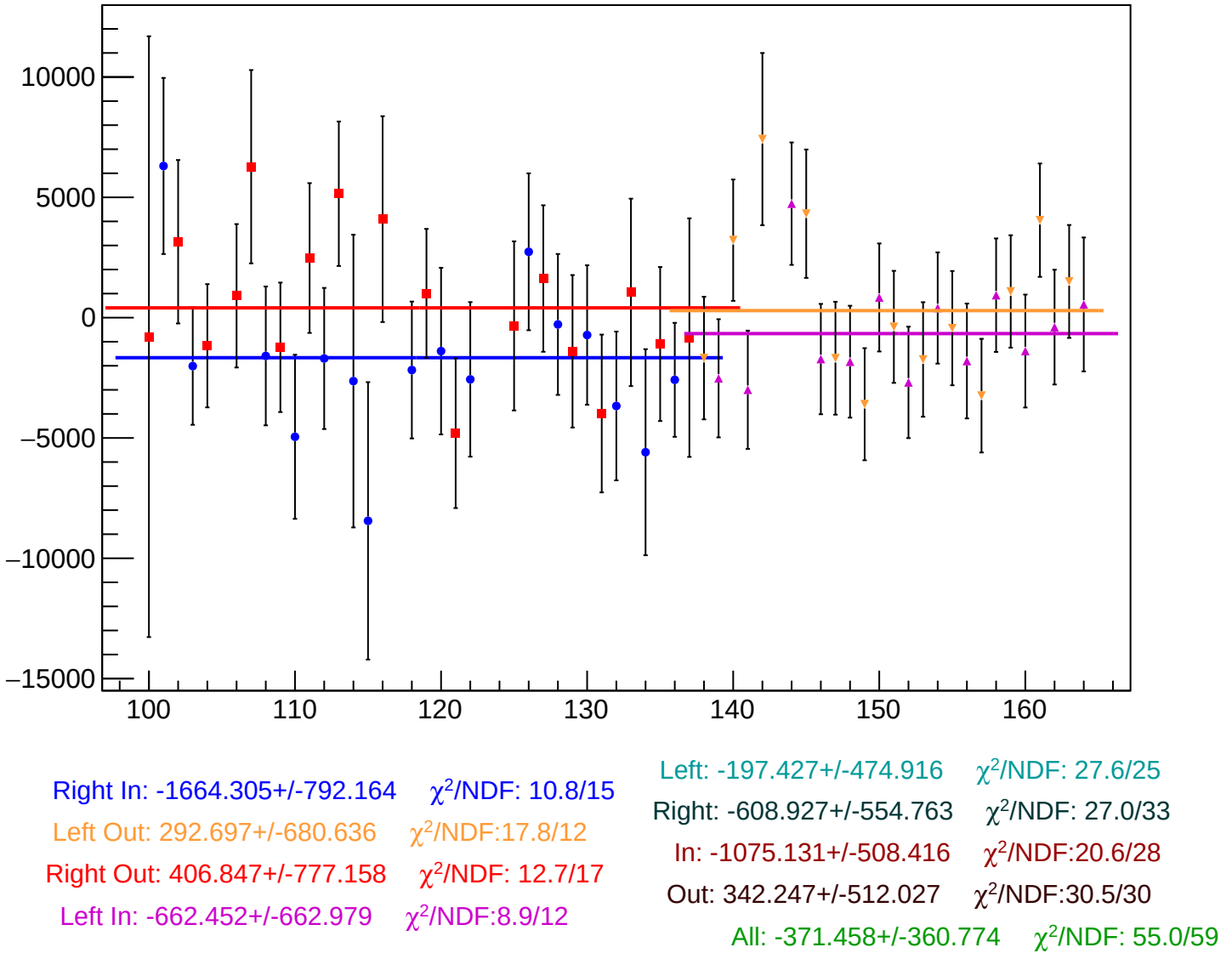
In: 39.726+/-0.007 χ^2/NDF:1645447.3/28

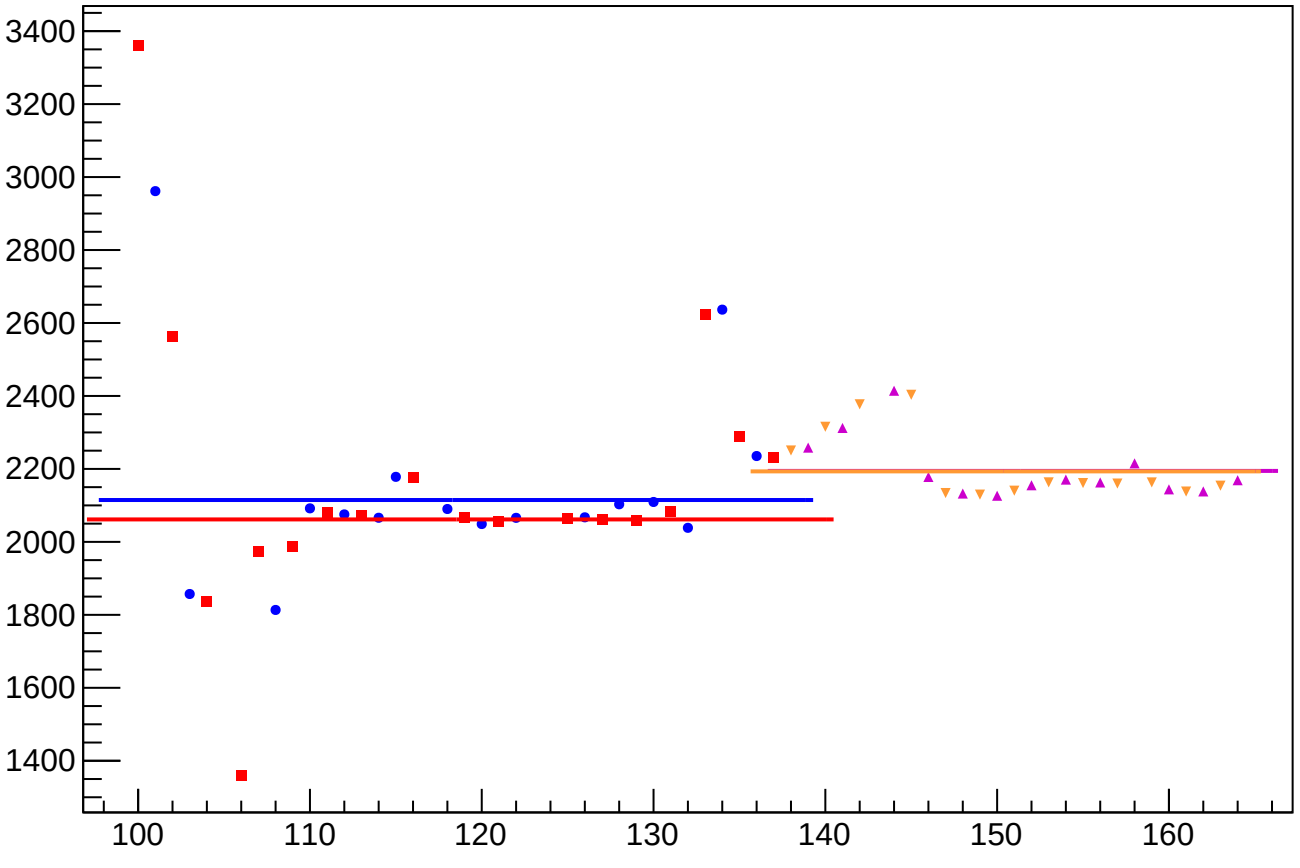
Out: 39.512+/-0.008 χ^2/NDF:2099968.8/30

All: 39.622+/-0.005 χ^2/NDF: 3745836.1/59


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 9.9/15
Left Out: -0.000+/-0.000 χ²/NDF:21.1/12
Right Out: -0.000+/-0.000 χ²/NDF: 18.4/17
Left In: -0.000+/-0.000 χ²/NDF:20.5/12
Left: -0.000+/-0.000 χ²/NDF: 42.2/25
Right: -0.000+/-0.000 χ²/NDF: 28.2/33
In: -0.000+/-0.000 χ²/NDF:30.6/28
Out: -0.000+/-0.000 χ²/NDF:39.5/30
All: -0.000+/-0.000 χ²/NDF: 70.6/59


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 4022915.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1833687.2/12
Right Out: 0.000+/-0.000 χ²/NDF: 2387224.9/17
Left In: 0.000+/-0.000 χ²/NDF:907664.1/12
Left: 0.000+/-0.000 χ²/NDF: 3009175.5/25
Right: 0.000+/-0.000 χ²/NDF: 7115915.8/33
In: 0.000+/-0.000 χ²/NDF:5414265.6/28
Out: 0.000+/-0.000 χ²/NDF:7139888.1/30
All: 0.000+/-0.000 χ²/NDF: 12756721.4/59


reg_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -1664.305+/-792.164 χ²/NDF: 10.8/15
Left Out: 292.697+/-680.636 χ²/NDF:17.8/12
Right Out: 406.847+/-777.158 χ²/NDF: 12.7/17
Left In: -662.452+/-662.979 χ²/NDF:8.9/12
Left: -197.427+/-474.916 χ²/NDF: 27.6/25
Right: -608.927+/-554.763 χ²/NDF: 27.0/33
In: -1075.131+/-508.416 χ²/NDF:20.6/28
Out: 342.247+/-512.027 χ²/NDF:30.5/30
All: -371.458+/-360.774 χ²/NDF: 55.0/59



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2193.264+/-0.481 χ^2/NDF:30266.2/12

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2194.519+/-0.469 χ^2/NDF:27732.8/12

Left: 2193.908+/-0.336 χ^2/NDF: 58002.6/25

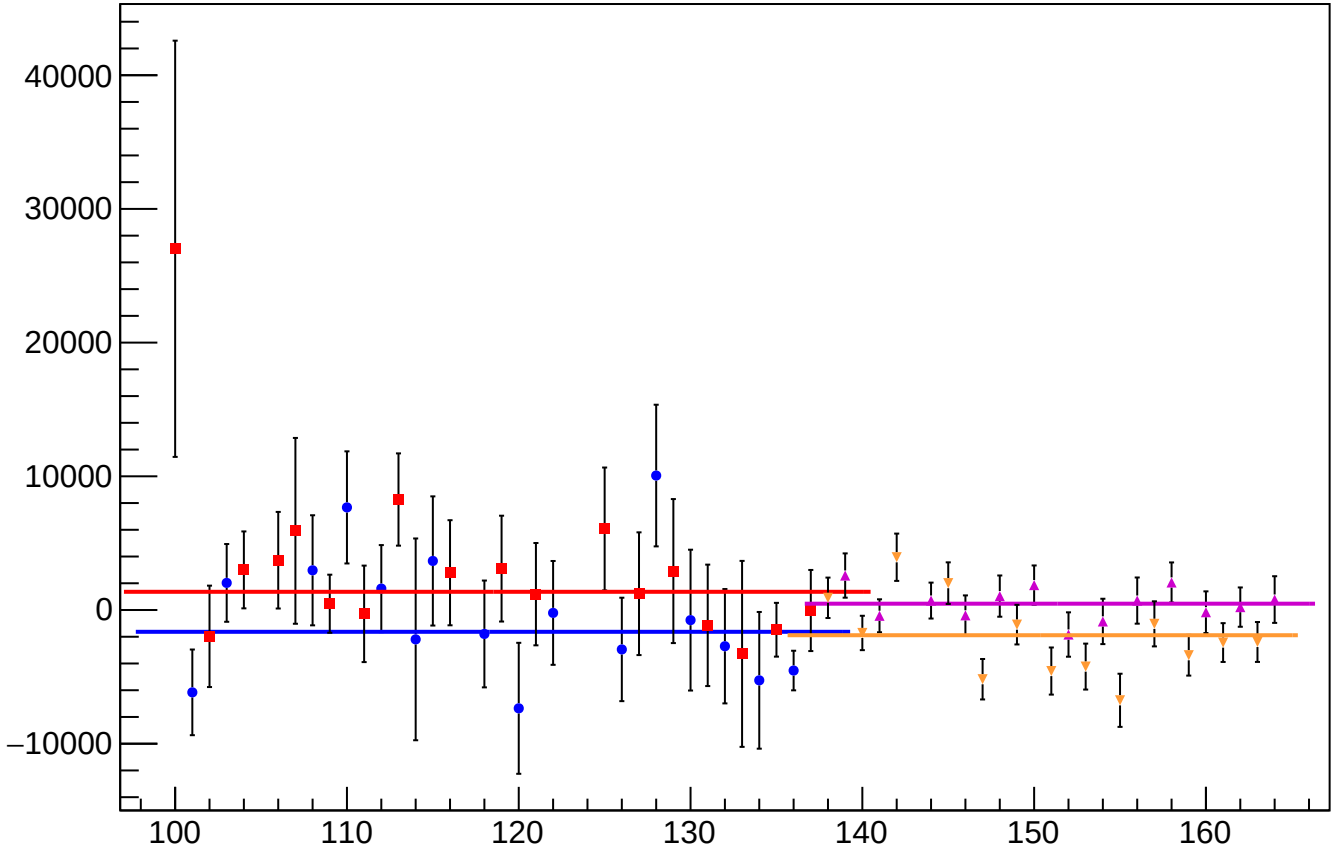
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2161.663+/-0.360 χ^2/NDF:229578.2/28

Out: 2136.094+/-0.362 χ^2/NDF:311959.4/30

All: 2148.969+/-0.255 χ^2/NDF: 544048.9/59

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1886.239+/-434.914 χ^2/NDF:37.2/12

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 472.463+/-422.471 χ^2/NDF:7.5/12

Left: -672.662+/-303.036 χ^2/NDF: 59.8/25

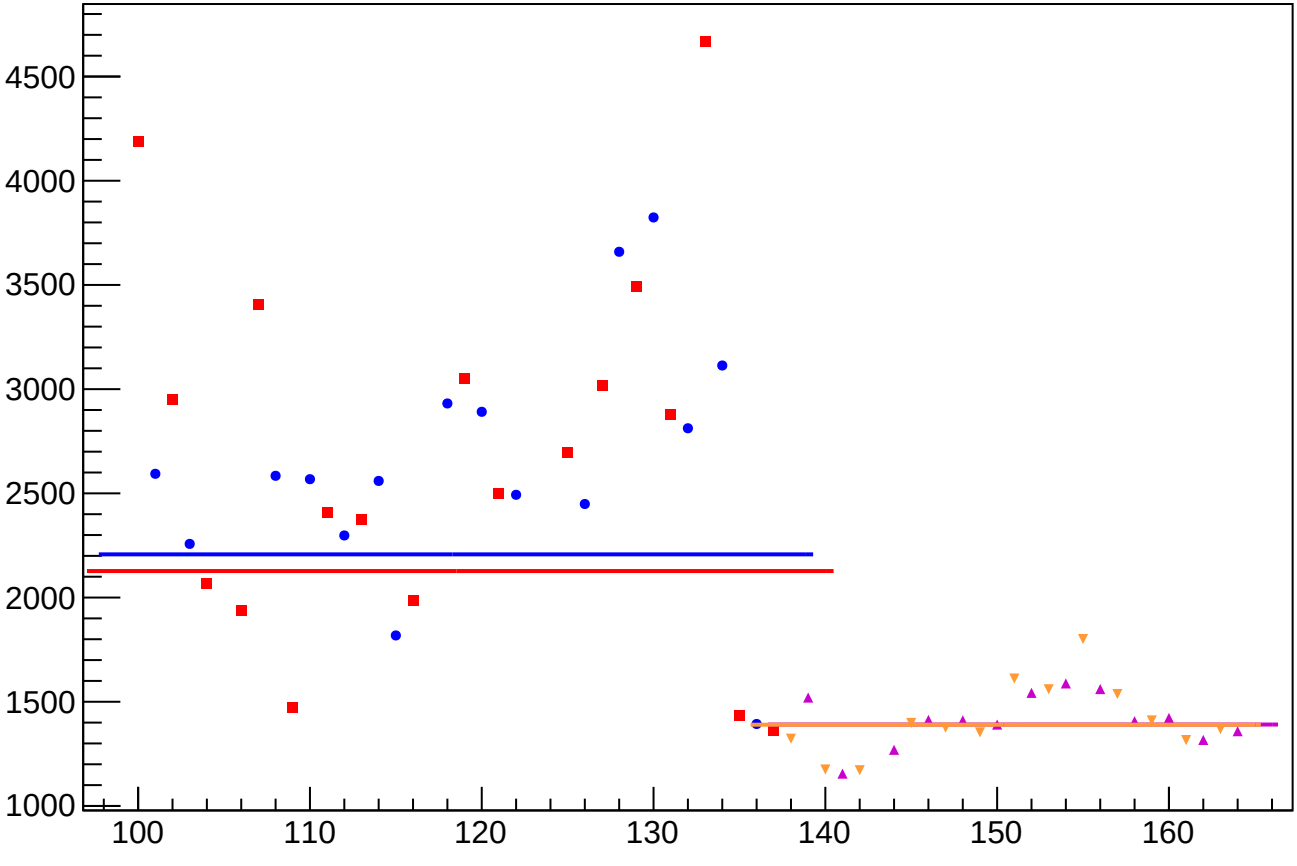
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 65.483+/-379.394 χ^2/NDF:35.1/28

Out: -1200.131+/-386.258 χ^2/NDF:62.5/30

All: -555.979+/-270.666 χ^2/NDF: 103.1/59

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1389.917+/-0.308 χ^2/NDF:249692.1/12

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1390.717+/-0.299 χ^2/NDF:172244.9/12

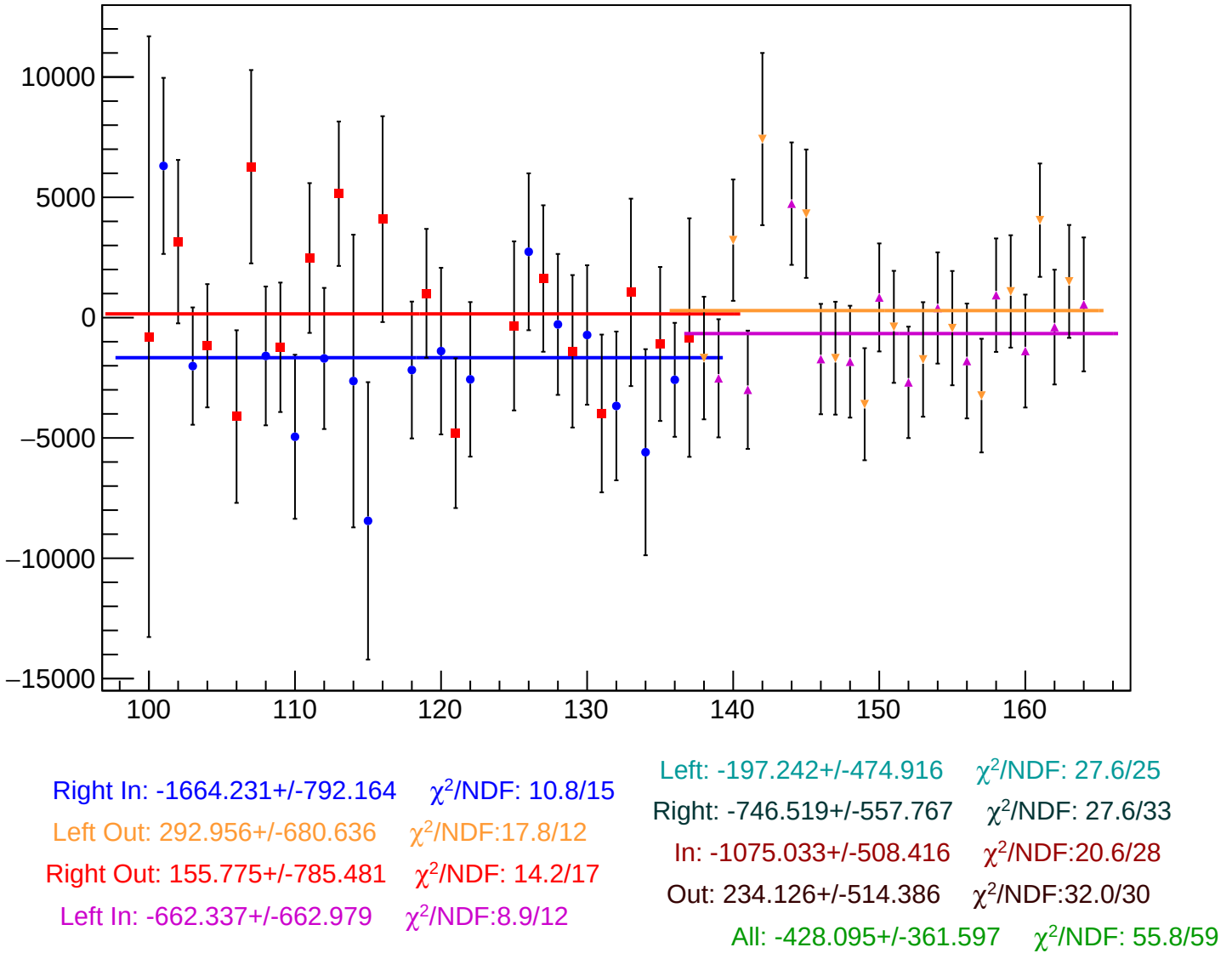
Left: 1390.329+/-0.214 χ^2/NDF: 421940.6/25

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1548.741+/-0.268 χ^2/NDF:2867401.2/28

Out: 1545.662+/-0.273 χ^2/NDF:2921924.5/30

All: 1547.229+/-0.191 χ^2/NDF: 5789390.5/59


cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
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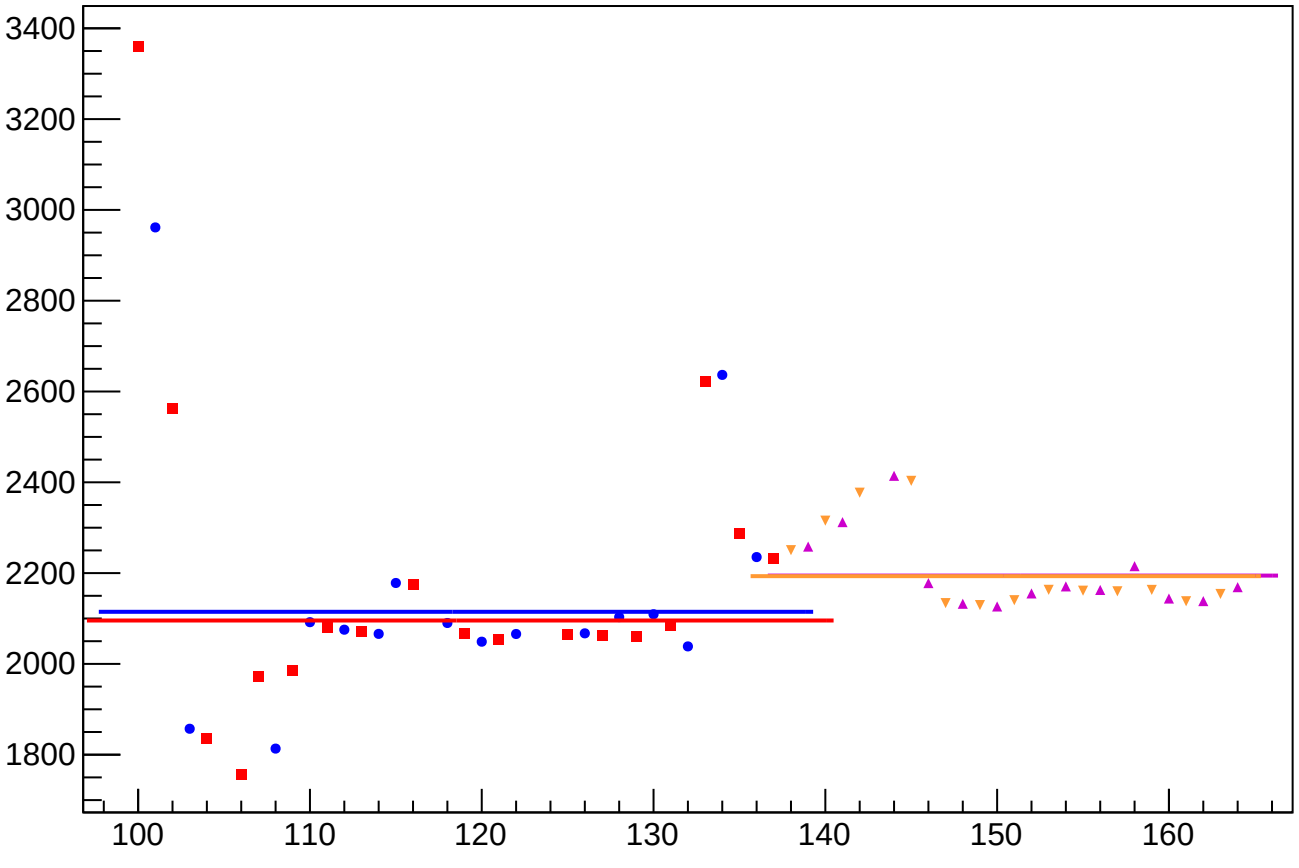
−15000
100
110
120
130
140
150
160
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: 292.956+/-680.636 χ²/NDF:17.8/12
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -662.337+/-662.979 χ²/NDF:8.9/12
Left: -197.242+/-474.916 χ²/NDF: 27.6/25
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -1075.033+/-508.416 χ²/NDF:20.6/28
Out: 234.126+/-514.386 χ²/NDF:32.0/30
All: -428.095+/-361.597 χ²/NDF: 55.8/59



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2193.264+/-0.481 χ^2/NDF:30266.2/12

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2194.519+/-0.469 χ^2/NDF:27732.8/12

Left: 2193.908+/-0.336 χ^2/NDF: 58002.5/25

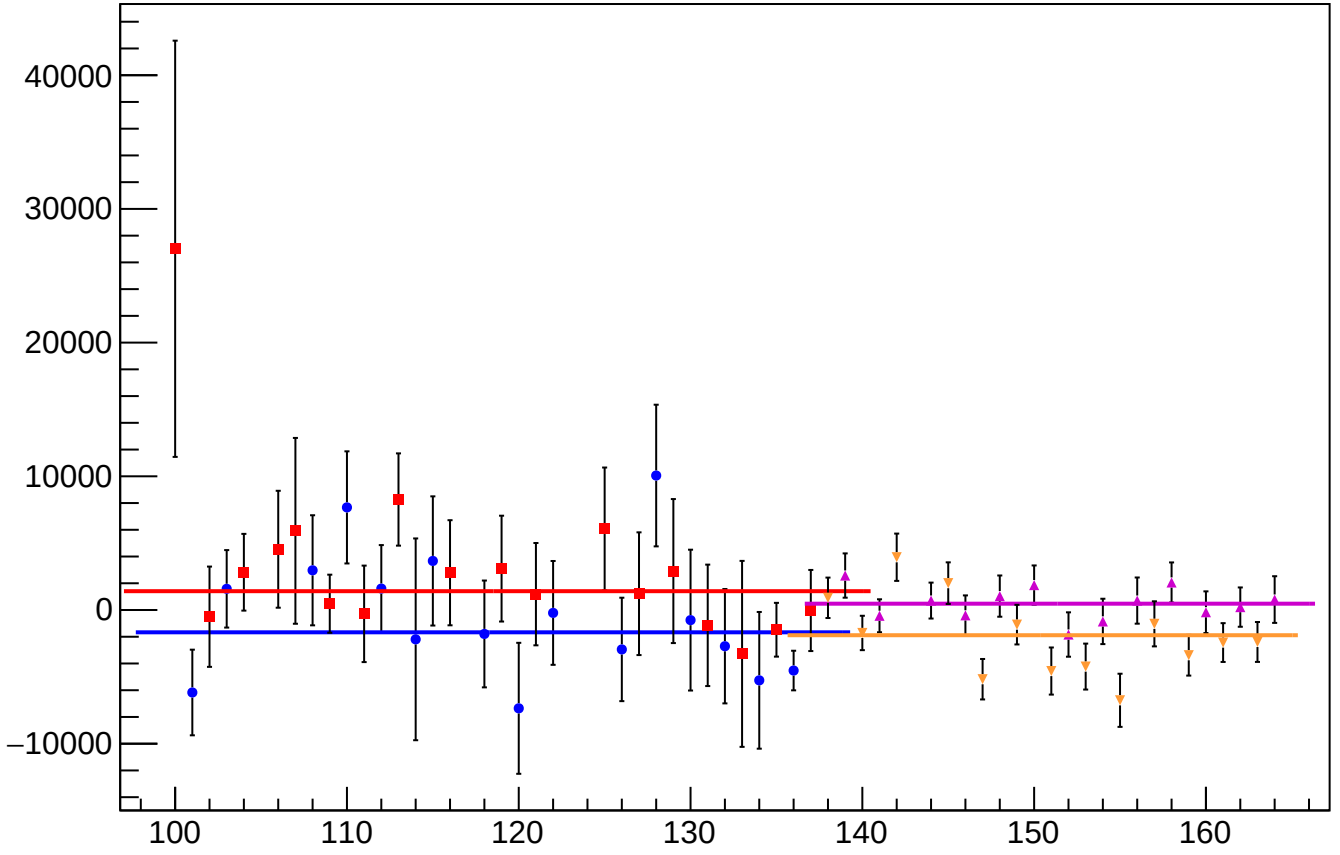
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2161.663+/-0.360 χ^2/NDF:229578.6/28

Out: 2151.379+/-0.364 χ^2/NDF:197287.5/30

All: 2156.581+/-0.256 χ^2/NDF: 427270.4/59

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: -1886.121+/-434.917 χ^2/NDF:37.2/12

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 472.345+/-422.471 χ^2/NDF:7.5/12

Left: -672.659+/-303.037 χ^2/NDF: 59.8/25

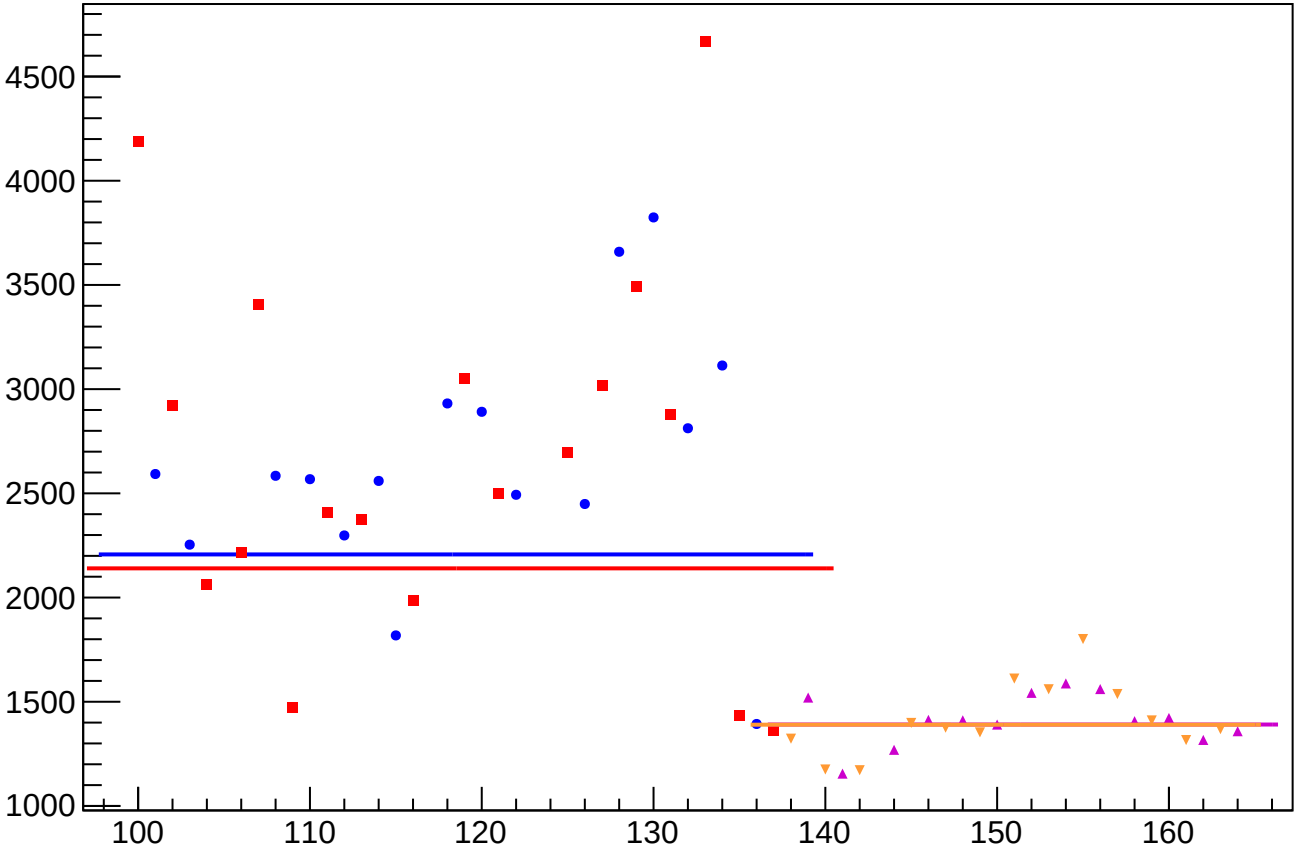
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 57.806+/-379.370 χ^2/NDF:34.9/28

Out: -1198.900+/-386.900 χ^2/NDF:62.2/30

All: -558.199+/-270.878 χ^2/NDF: 102.5/59

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: 1389.927+/-0.308 χ^2/NDF:249637.8/12

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1390.718+/-0.299 χ^2/NDF:172282.8/12

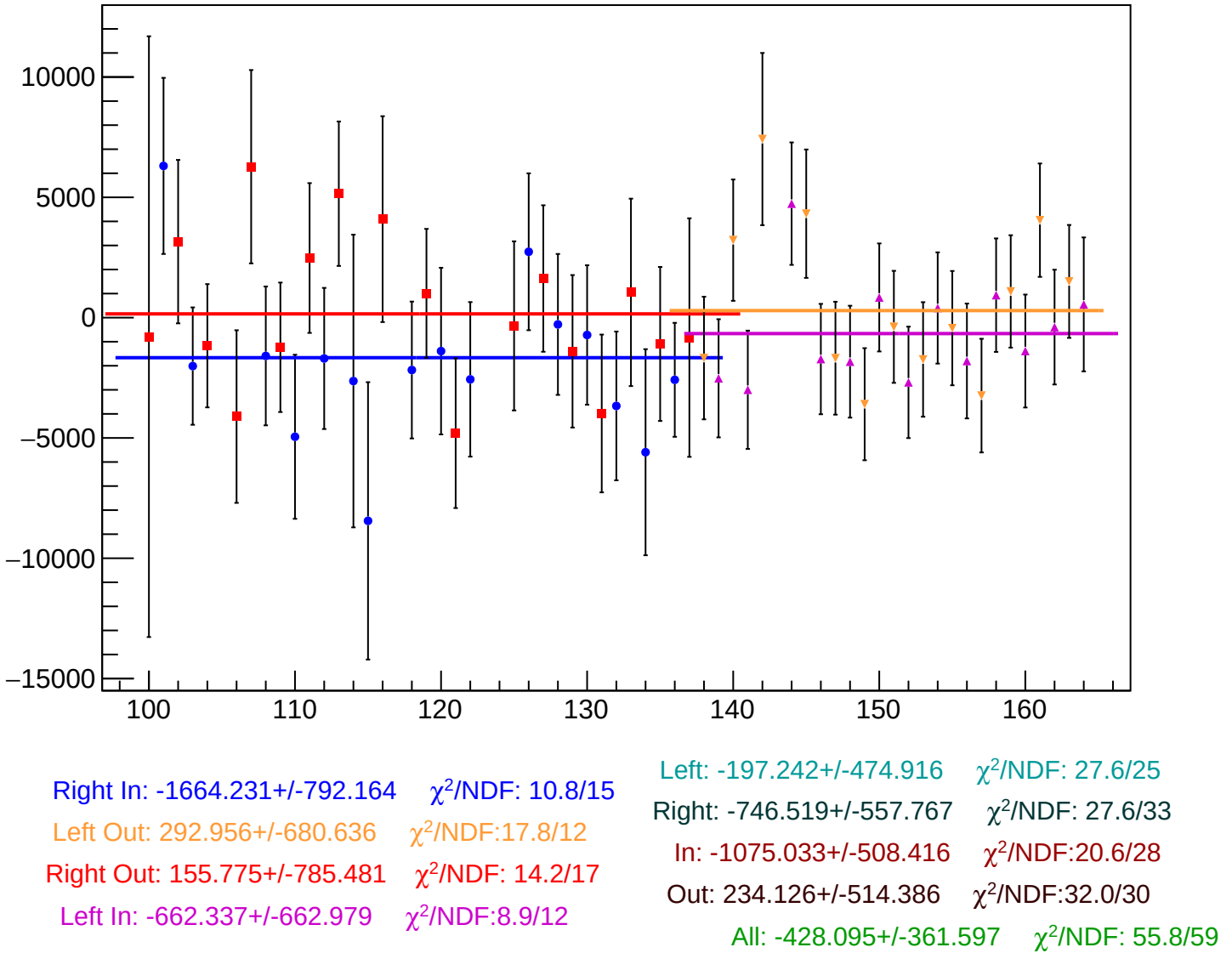
Left: 1390.334+/-0.214 χ^2/NDF: 421924.0/25

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1548.763+/-0.268 χ^2/NDF:2866792.2/28

Out: 1546.422+/-0.274 χ^2/NDF:2939236.1/30

All: 1547.615+/-0.192 χ^2/NDF: 5806065.6/59


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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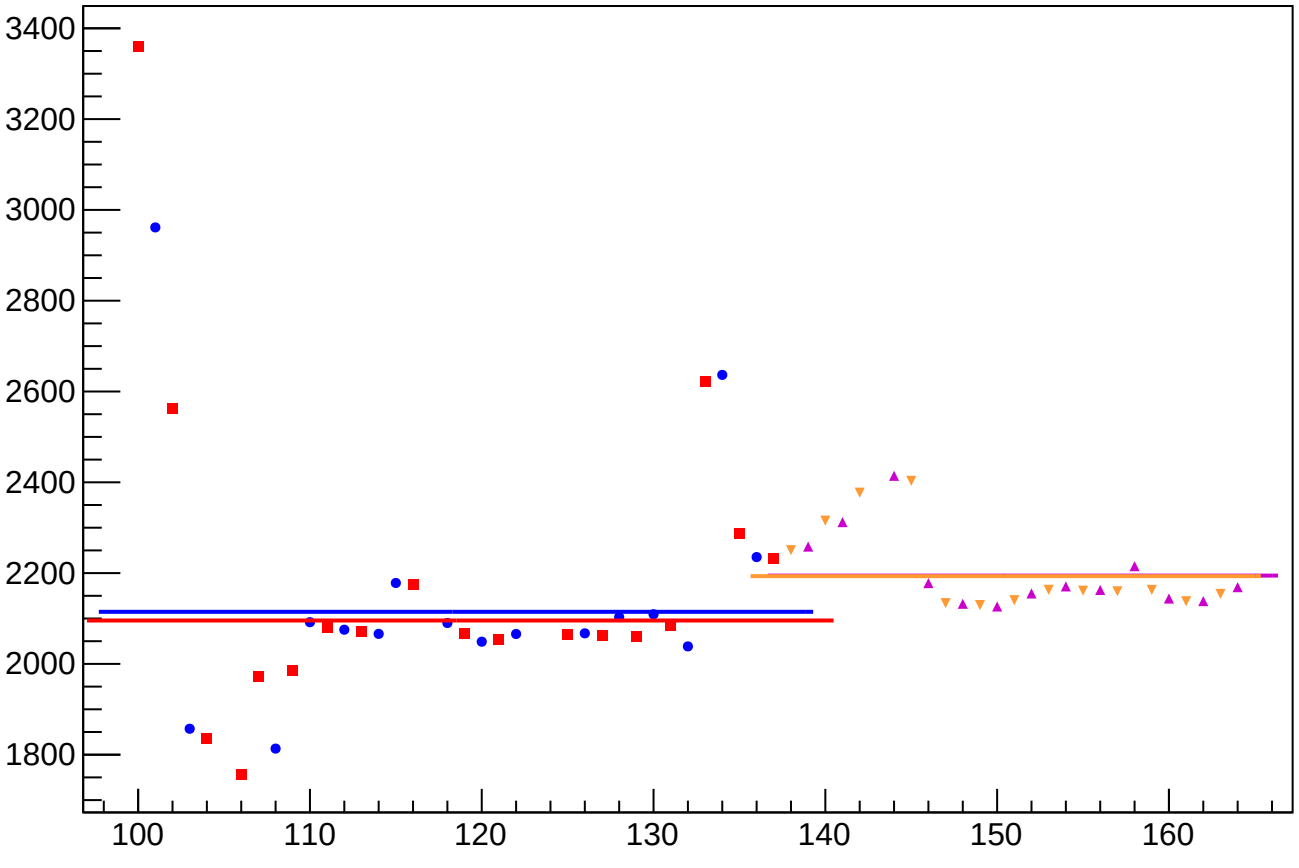
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: 292.956+/-680.636 χ²/NDF:17.8/12
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -662.337+/-662.979 χ²/NDF:8.9/12
Left: -197.242+/-474.916 χ²/NDF: 27.6/25
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -1075.033+/-508.416 χ²/NDF:20.6/28
Out: 234.126+/-514.386 χ²/NDF:32.0/30
All: -428.095+/-361.597 χ²/NDF: 55.8/59



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2193.264+/-0.481 χ^2/NDF:30266.2/12

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2194.519+/-0.469 χ^2/NDF:27732.8/12

Left: 2193.908+/-0.336 χ^2/NDF: 58002.5/25

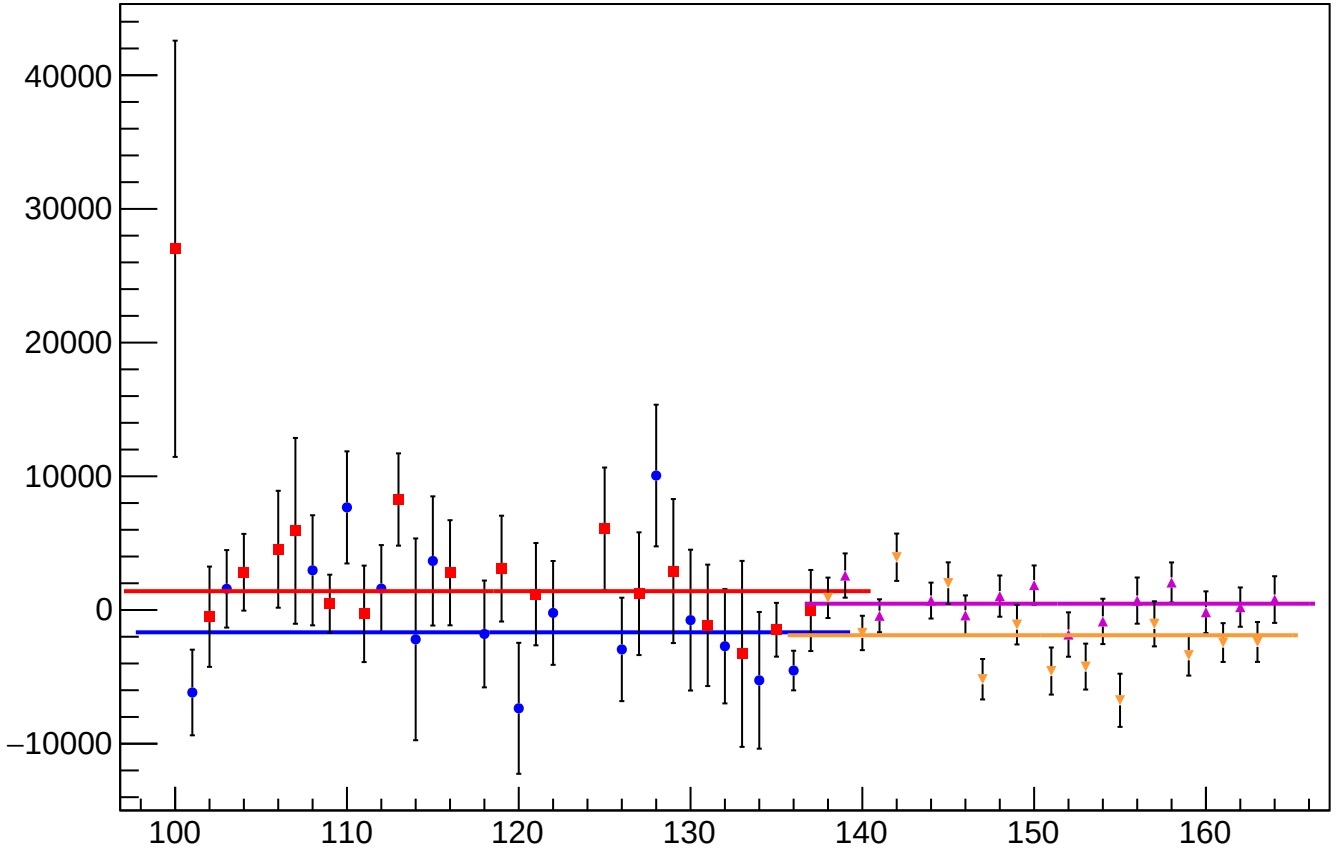
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2161.663+/-0.360 χ^2/NDF:229578.6/28

Out: 2151.379+/-0.364 χ^2/NDF:197287.5/30

All: 2156.581+/-0.256 χ^2/NDF: 427270.4/59

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: -1886.121+/-434.917 χ^2/NDF:37.2/12

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 472.345+/-422.471 χ^2/NDF:7.5/12

Left: -672.659+/-303.037 χ^2/NDF: 59.8/25

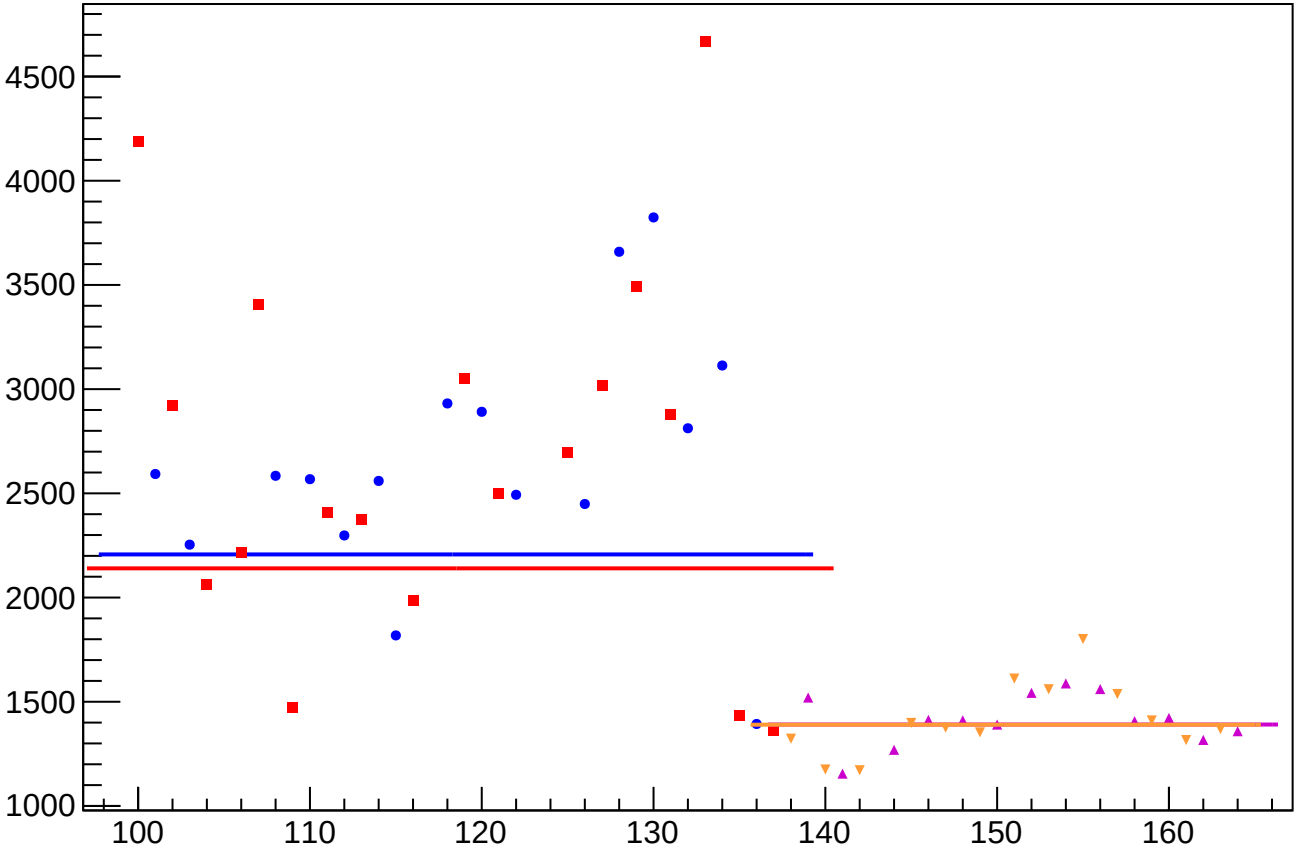
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 57.806+/-379.370 χ^2/NDF:34.9/28

Out: -1198.900+/-386.900 χ^2/NDF:62.2/30

All: -558.199+/-270.878 χ^2/NDF: 102.5/59

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1389.927+/-0.308 χ^2/NDF:249637.8/12

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1390.718+/-0.299 χ^2/NDF:172282.8/12

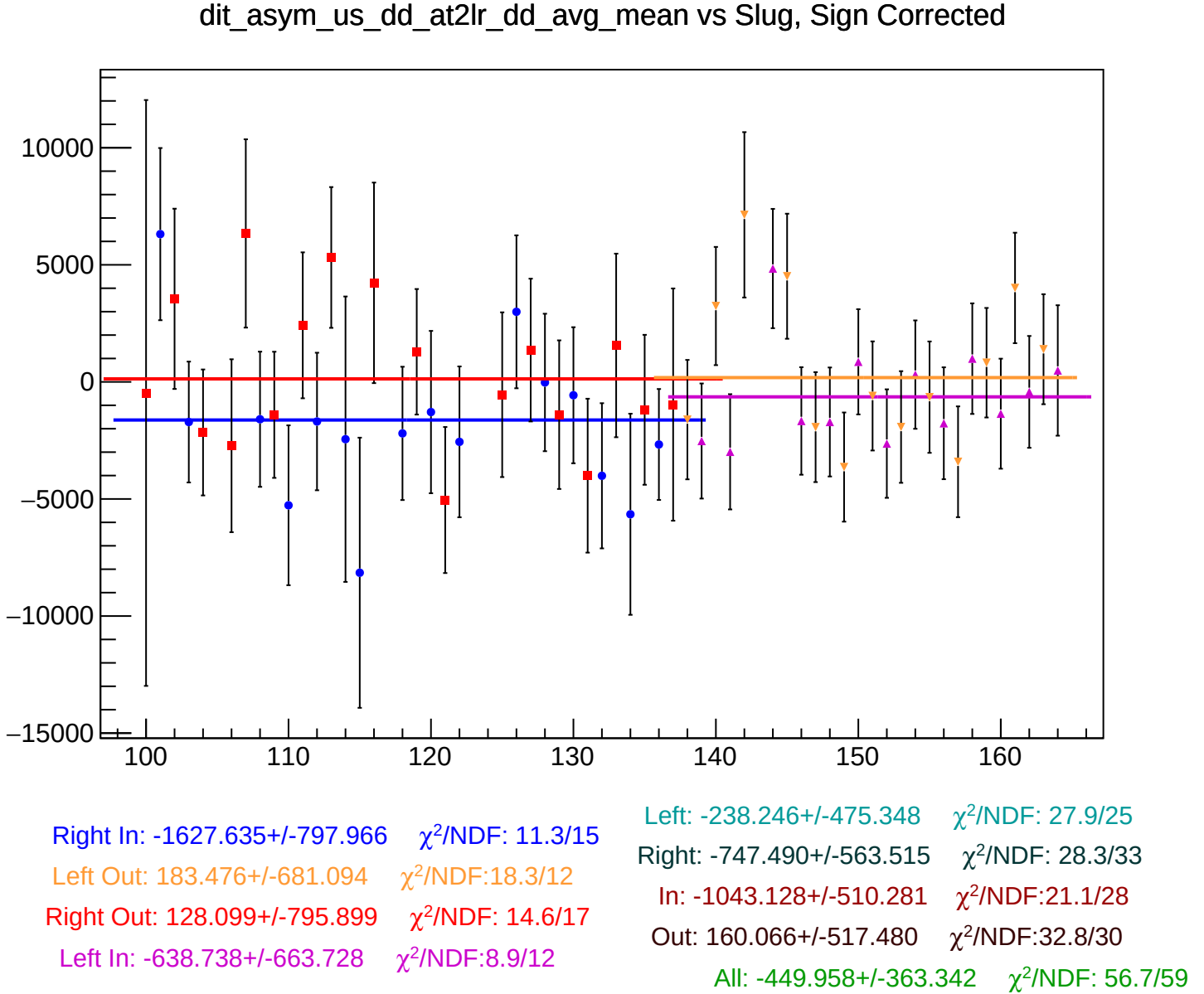
Left: 1390.334+/-0.214 χ^2/NDF: 421924.0/25

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1548.763+/-0.268 χ^2/NDF:2866792.2/28

Out: 1546.422+/-0.274 χ^2/NDF:2939236.1/30

All: 1547.615+/-0.192 χ^2/NDF: 5806065.6/59


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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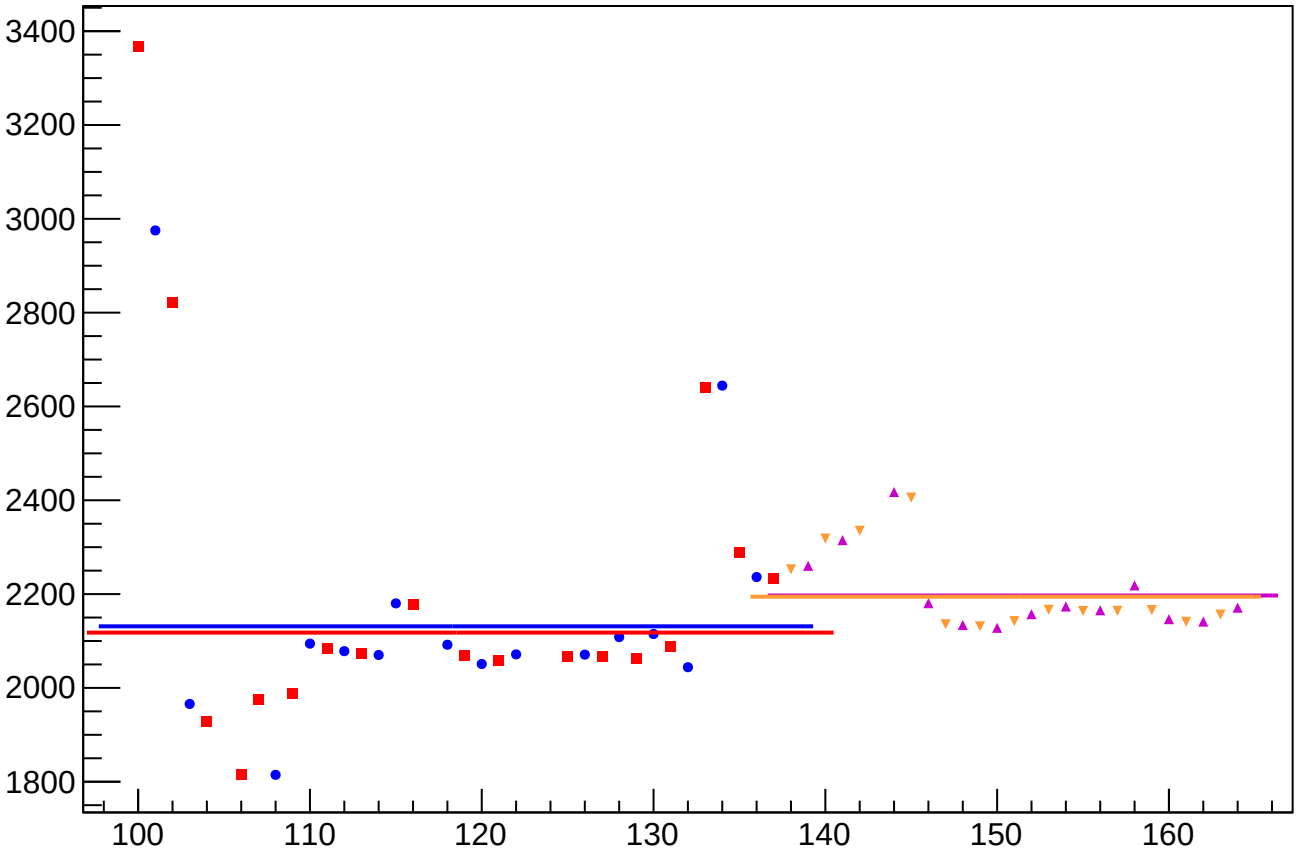
140
150
160
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: 183.476+/-681.094 χ²/NDF:18.3/12
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -638.738+/-663.728 χ²/NDF:8.9/12
Left: -238.246+/-475.348 χ²/NDF: 27.9/25
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -1043.128+/-510.281 χ²/NDF:21.1/28
Out: 160.066+/-517.480 χ²/NDF:32.8/30
All: -449.958+/-363.342 χ²/NDF: 56.7/59



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2194.438+/-0.482 χ^2/NDF:28057.0/12

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2196.989+/-0.469 χ^2/NDF:27838.9/12

Left: 2195.746+/-0.336 χ^2/NDF: 55910.3/25

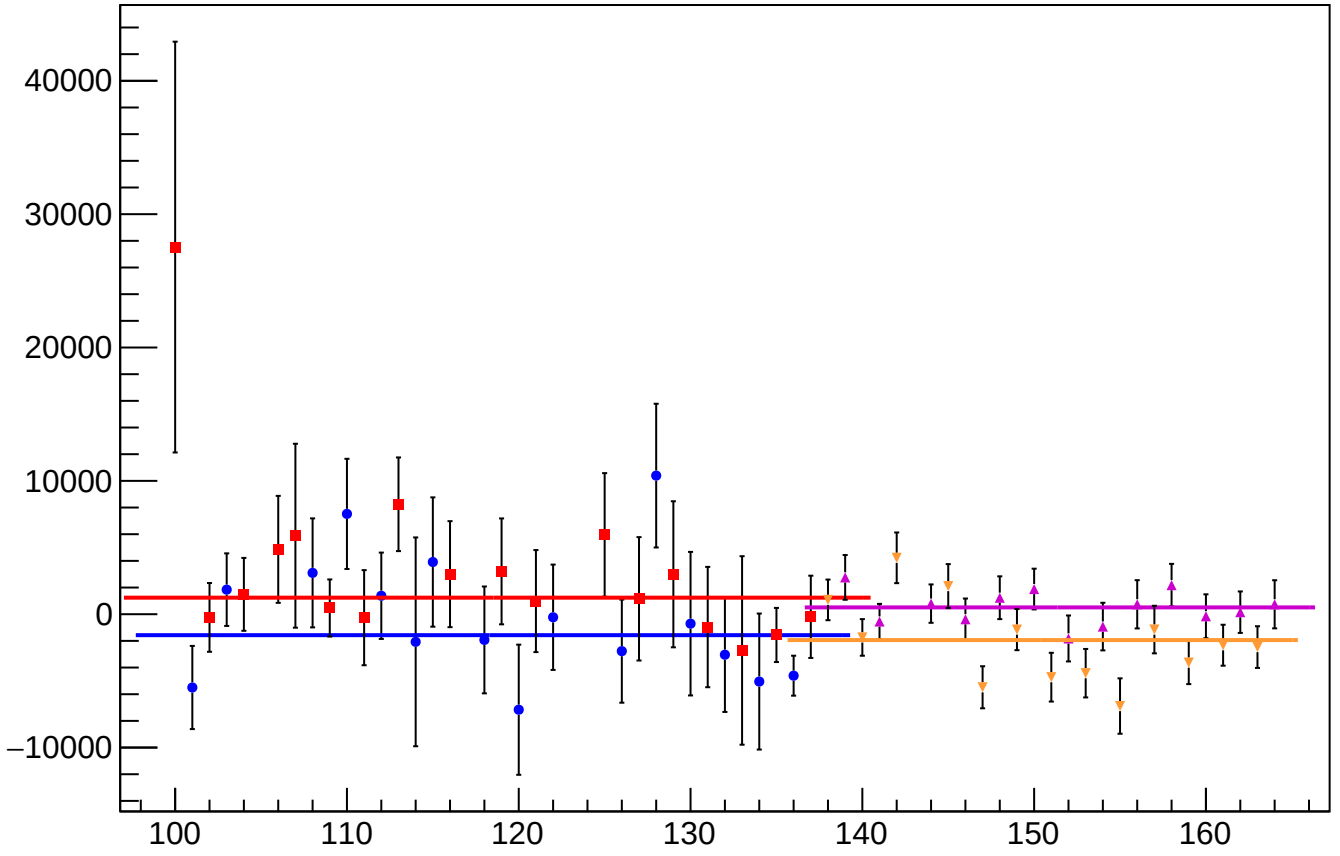
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2170.126+/-0.361 χ^2/NDF:211793.6/28

Out: 2162.068+/-0.366 χ^2/NDF:202365.6/30

All: 2166.154+/-0.257 χ^2/NDF: 414405.1/59

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: -1940.337+/-456.701 χ^2/NDF:37.1/12

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 511.192+/-443.567 χ^2/NDF:7.6/12

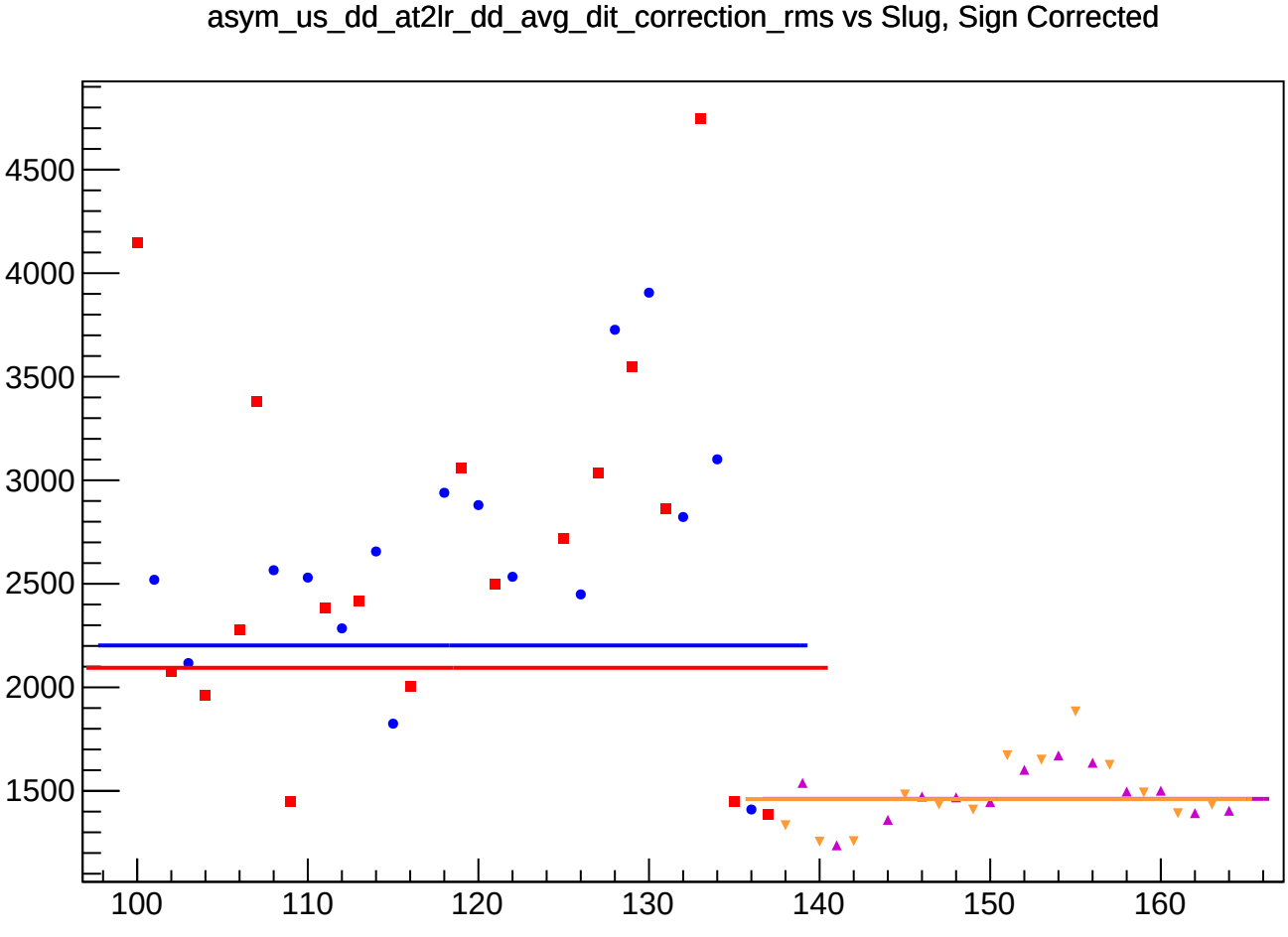
Left: -678.814+/-318.191 χ^2/NDF: 59.6/25

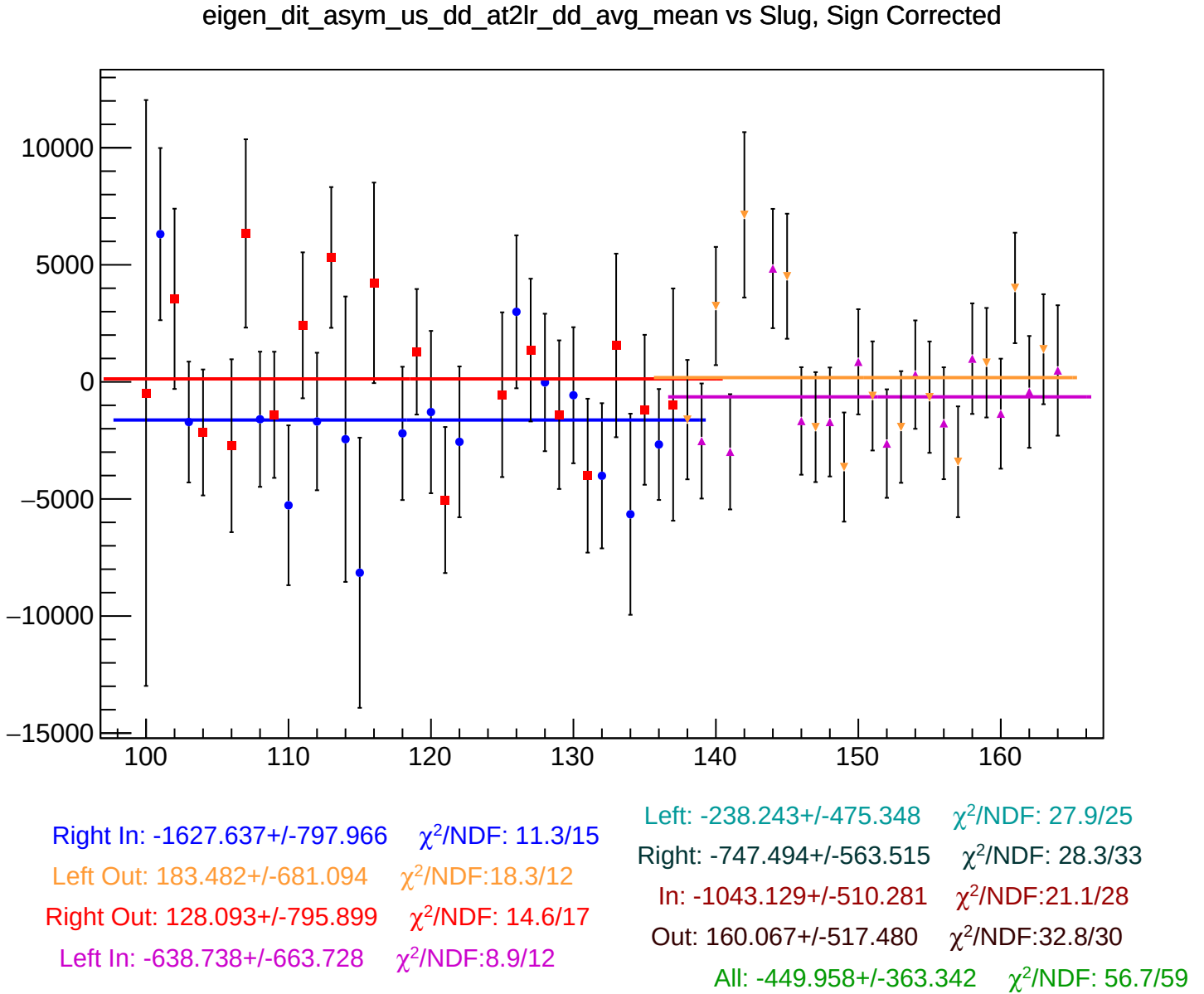
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

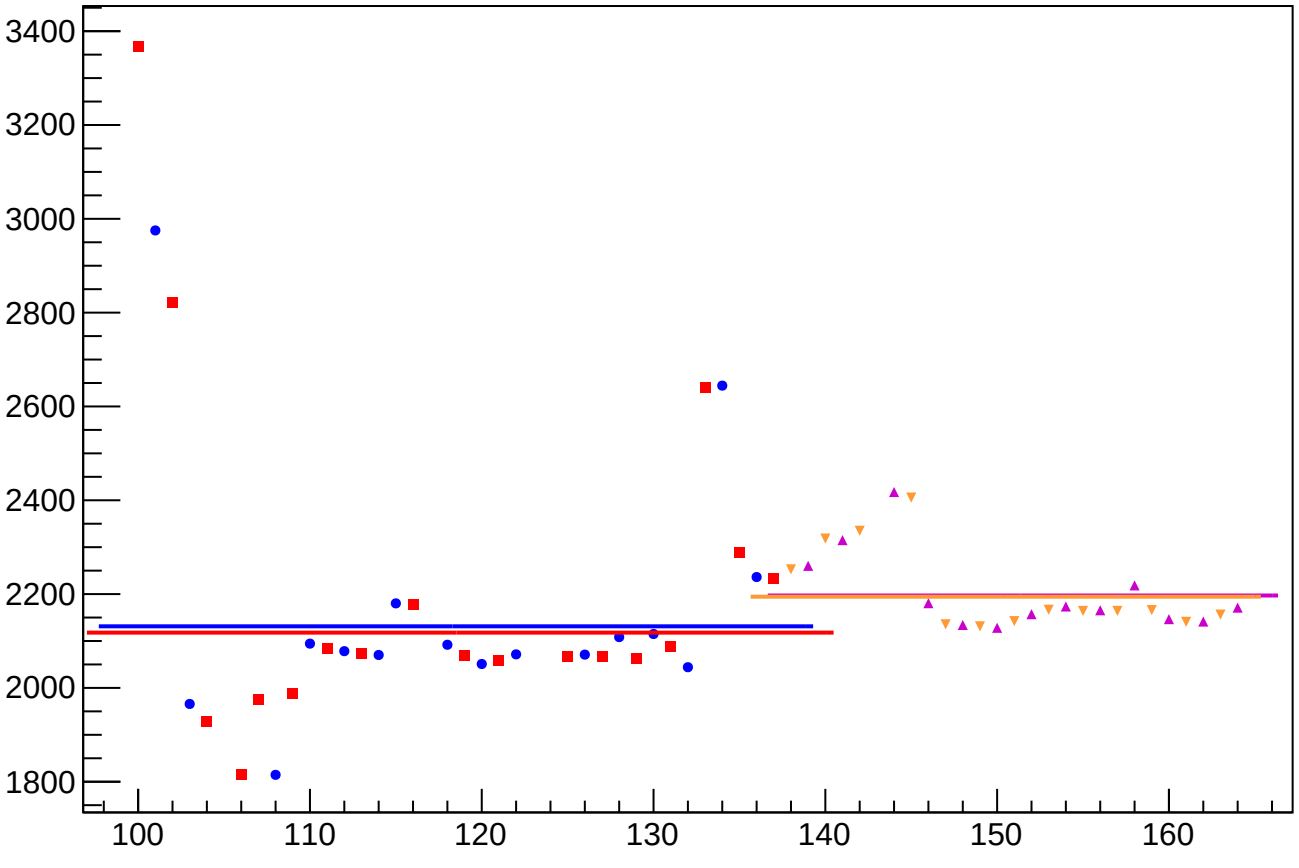
In: 73.456+/-394.196 χ^2/NDF:34.9/28

Out: -1186.820+/-398.966 χ^2/NDF:61.7/30

All: -549.103+/-280.410 χ^2/NDF: 101.6/59


asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
Right In: 2202.378+/-0.608 χ²/NDF: 1222965.0/15
Left Out: 1460.215+/-0.323 χ²/NDF:238644.6/12
Right Out: 2094.445+/-0.580 χ²/NDF: 1373676.8/17
Left In: 1461.456+/-0.314 χ²/NDF:139643.9/12
Left: 1460.853+/-0.225 χ²/NDF: 378296.2/25
Right: 2145.844+/-0.420 χ²/NDF: 2613152.0/33
In: 1617.213+/-0.279 χ²/NDF:2535704.3/28
Out: 1610.435+/-0.282 χ²/NDF:2525891.0/30
All: 1613.865+/-0.198 χ²/NDF: 5061887.3/59


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
160
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: 183.482+/-681.094 χ²/NDF:18.3/12
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -638.738+/-663.728 χ²/NDF:8.9/12
Left: -238.243+/-475.348 χ²/NDF: 27.9/25
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1043.129+/-510.281 χ²/NDF:21.1/28
Out: 160.067+/-517.480 χ²/NDF:32.8/30
All: -449.958+/-363.342 χ²/NDF: 56.7/59



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2194.438+/-0.482 χ^2/NDF:28057.1/12

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2196.989+/-0.469 χ^2/NDF:27839.0/12

Left: 2195.746+/-0.336 χ^2/NDF: 55910.5/25

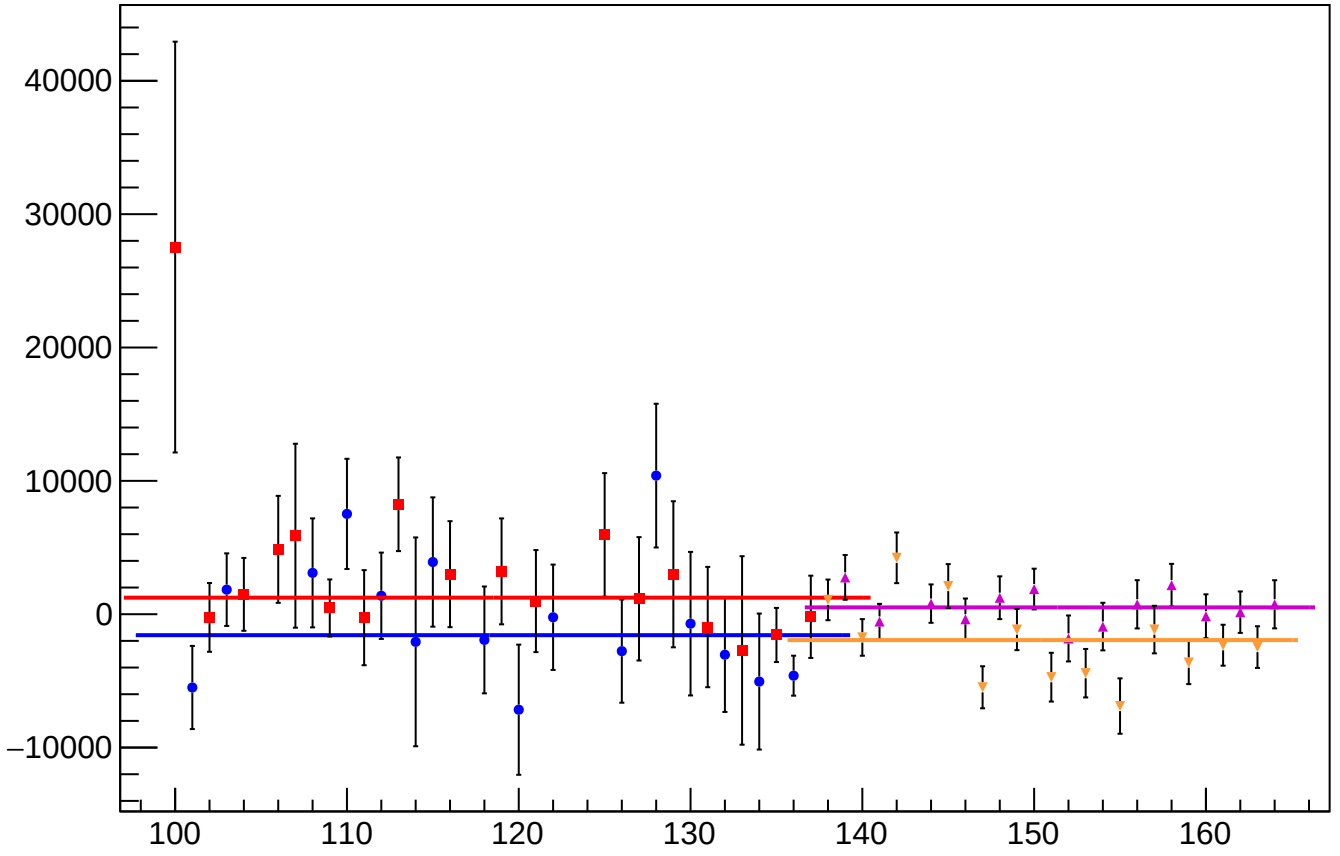
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2170.126+/-0.361 χ^2/NDF:211793.7/28

Out: 2162.068+/-0.366 χ^2/NDF:202365.6/30

All: 2166.154+/-0.257 χ^2/NDF: 414405.2/59

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: -1940.346+/-456.702 χ^2/NDF:37.1/12

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 511.188+/-443.567 χ^2/NDF:7.6/12

Left: -678.819+/-318.192 χ^2/NDF: 59.6/25

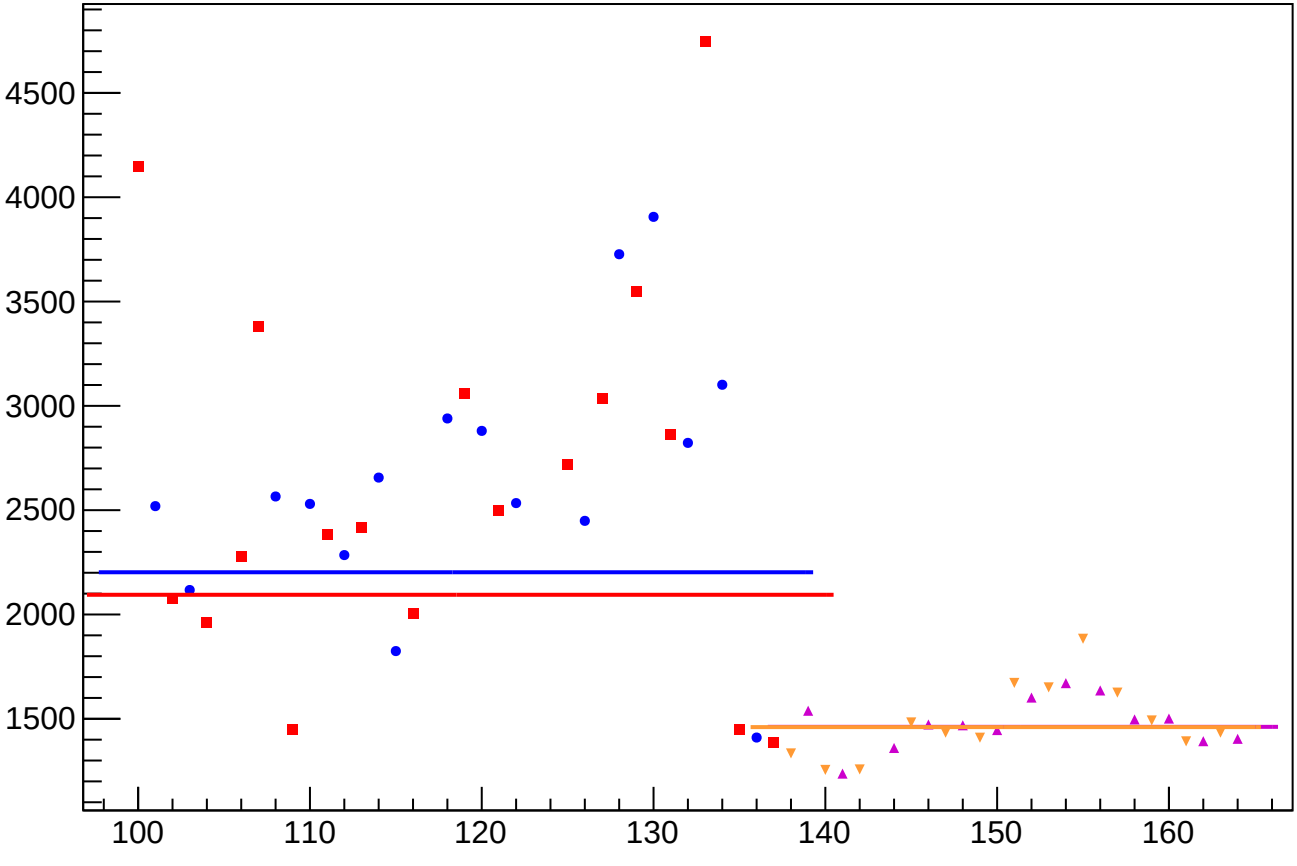
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 73.458+/-394.196 χ^2/NDF:34.9/28

Out: -1186.826+/-398.967 χ^2/NDF:61.7/30

All: -549.104+/-280.410 χ^2/NDF: 101.6/59

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: 1460.217+/-0.323 χ^2/NDF:238636.0/12

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1461.456+/-0.314 χ^2/NDF:139647.4/12

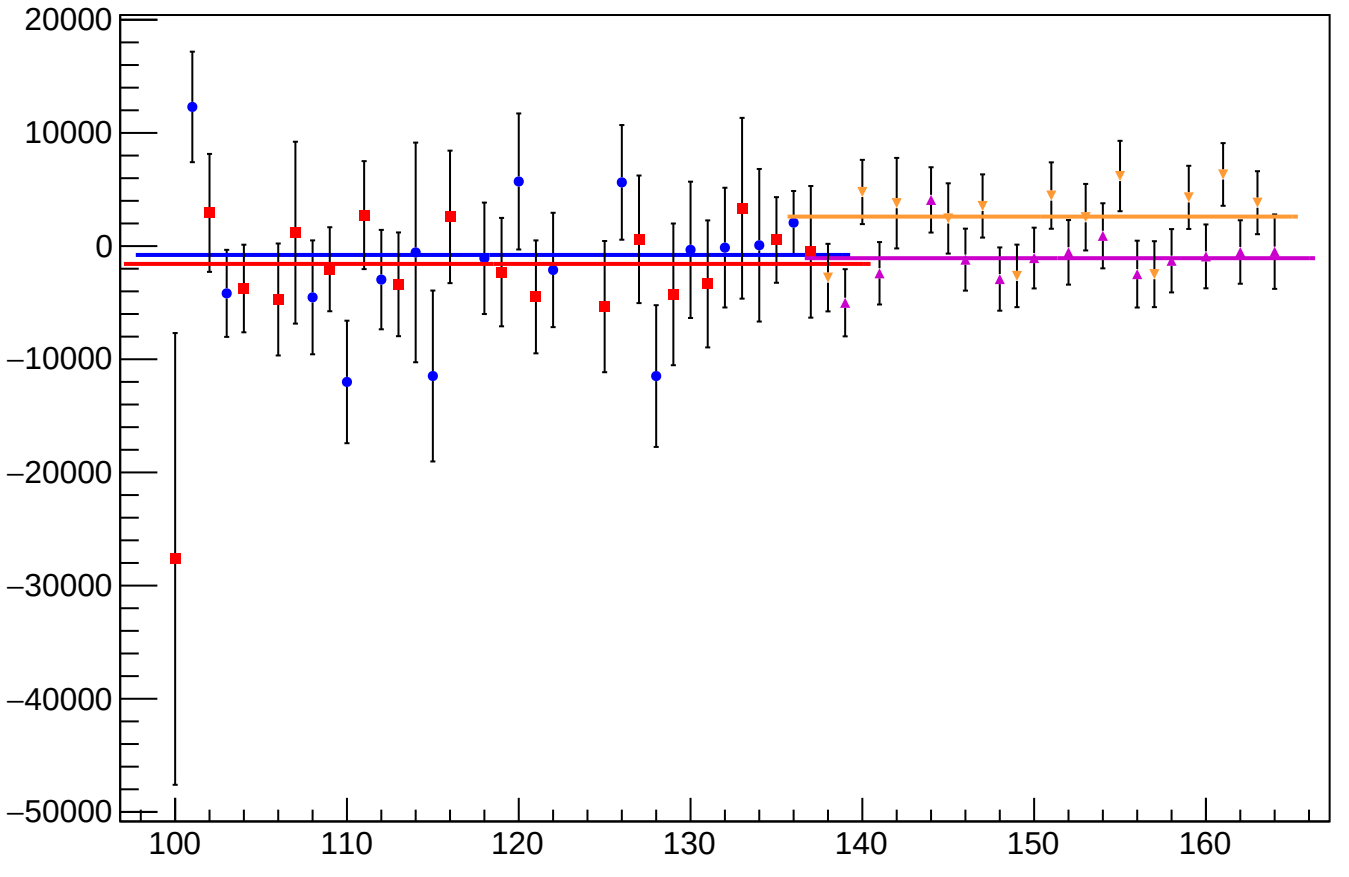
Left: 1460.854+/-0.225 χ^2/NDF: 378291.0/25

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1617.215+/-0.279 χ^2/NDF:2535681.2/28

Out: 1610.439+/-0.282 χ^2/NDF:2525858.6/30

All: 1613.868+/-0.198 χ^2/NDF: 5061831.7/59



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2605.901+/-815.778 χ^2/NDF:14.8/12

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1068.668+/-791.416 χ^2/NDF:6.4/12

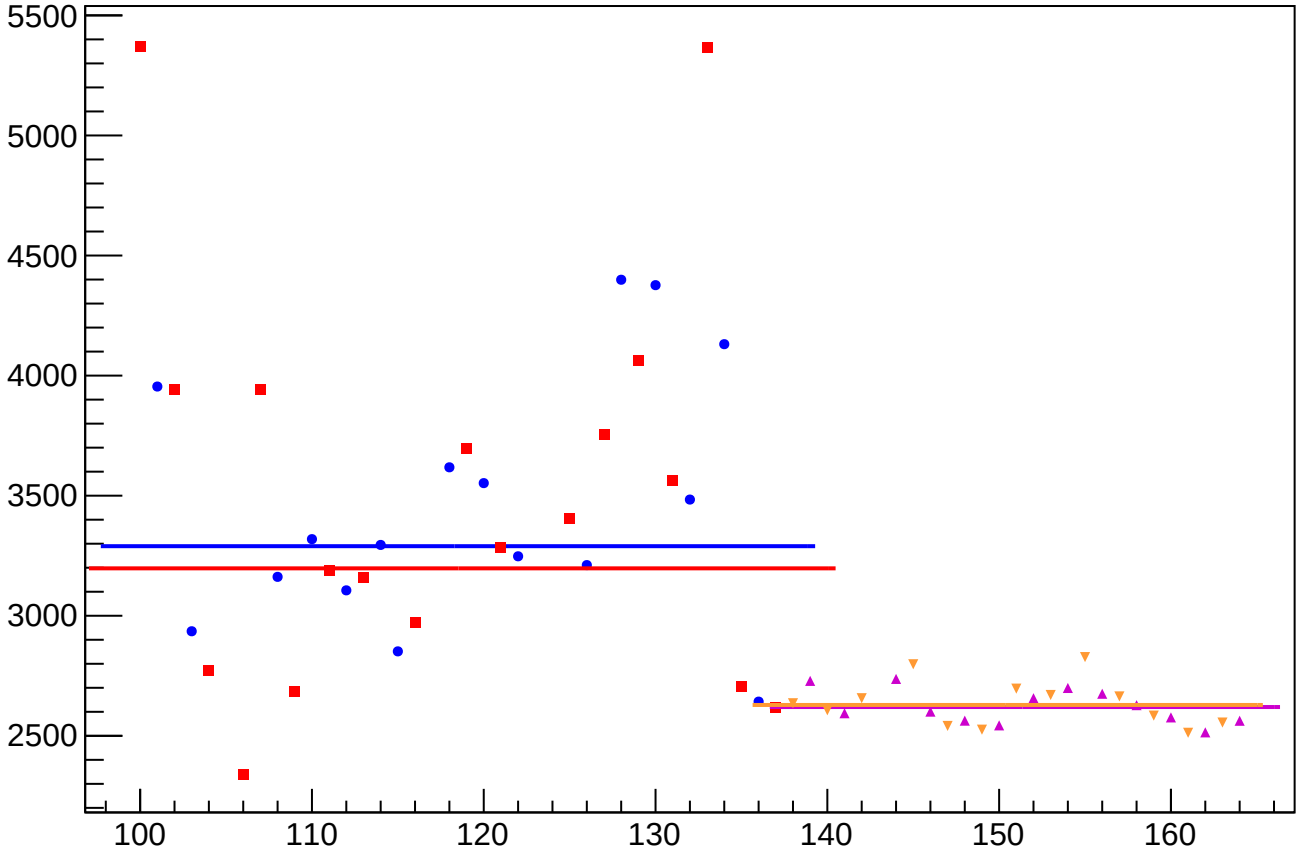
Left: 712.932+/-568.033 χ^2/NDF: 31.7/25

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -985.746+/-667.386 χ^2/NDF:28.4/28

Out: 1312.698+/-677.962 χ^2/NDF:29.7/30

All: 145.410+/-475.608 χ^2/NDF: 63.9/59



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2628.495+/-0.577 χ^2/NDF:26293.5/12

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2619.922+/-0.560 χ^2/NDF:15175.6/12

Left: 2624.078+/-0.402 χ^2/NDF: 41582.9/25

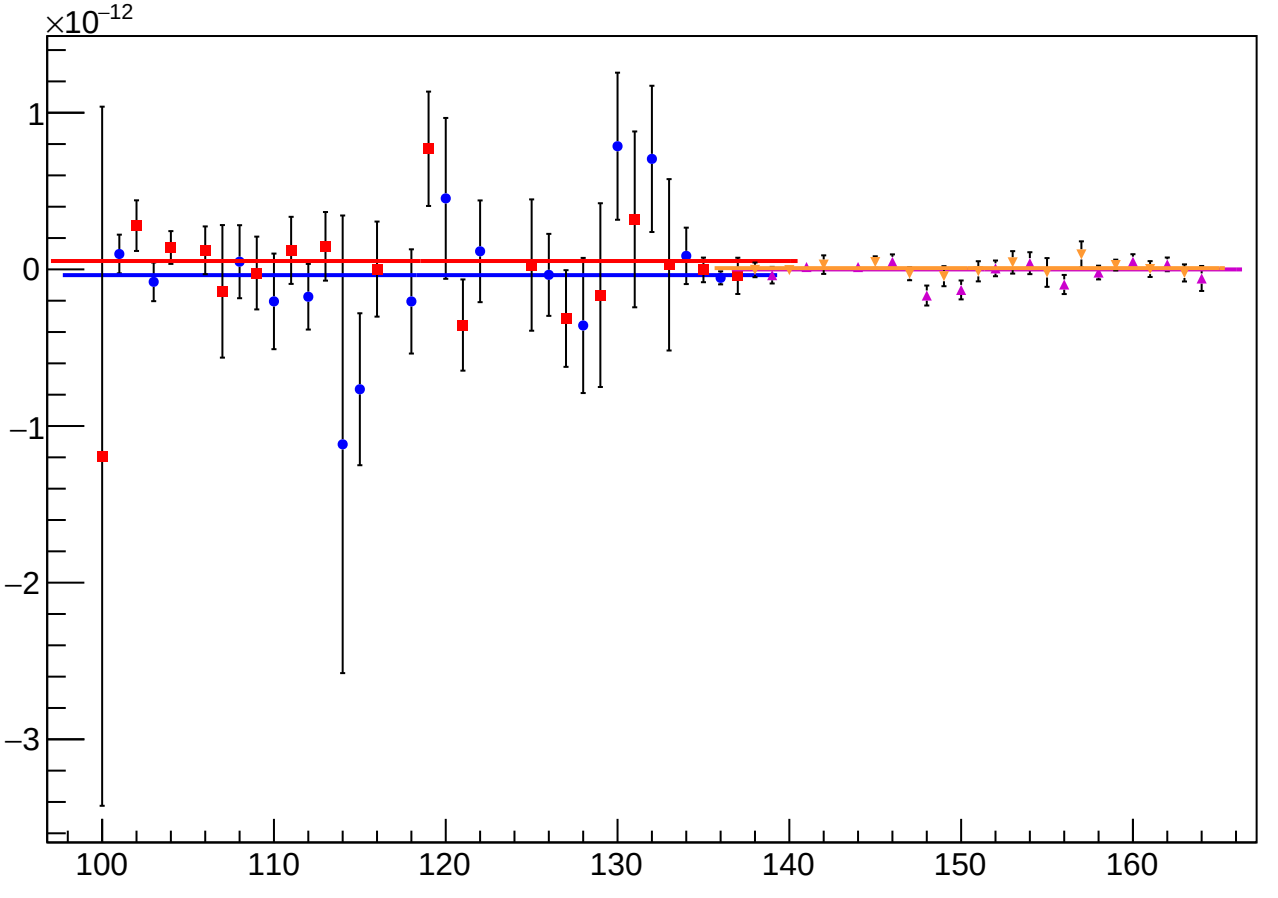
Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2813.403+/-0.472 χ^2/NDF:776562.4/28

Out: 2804.474+/-0.479 χ^2/NDF:827089.6/30

All: 2809.009+/-0.336 χ^2/NDF: 1603828.2/59

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:19.2/12

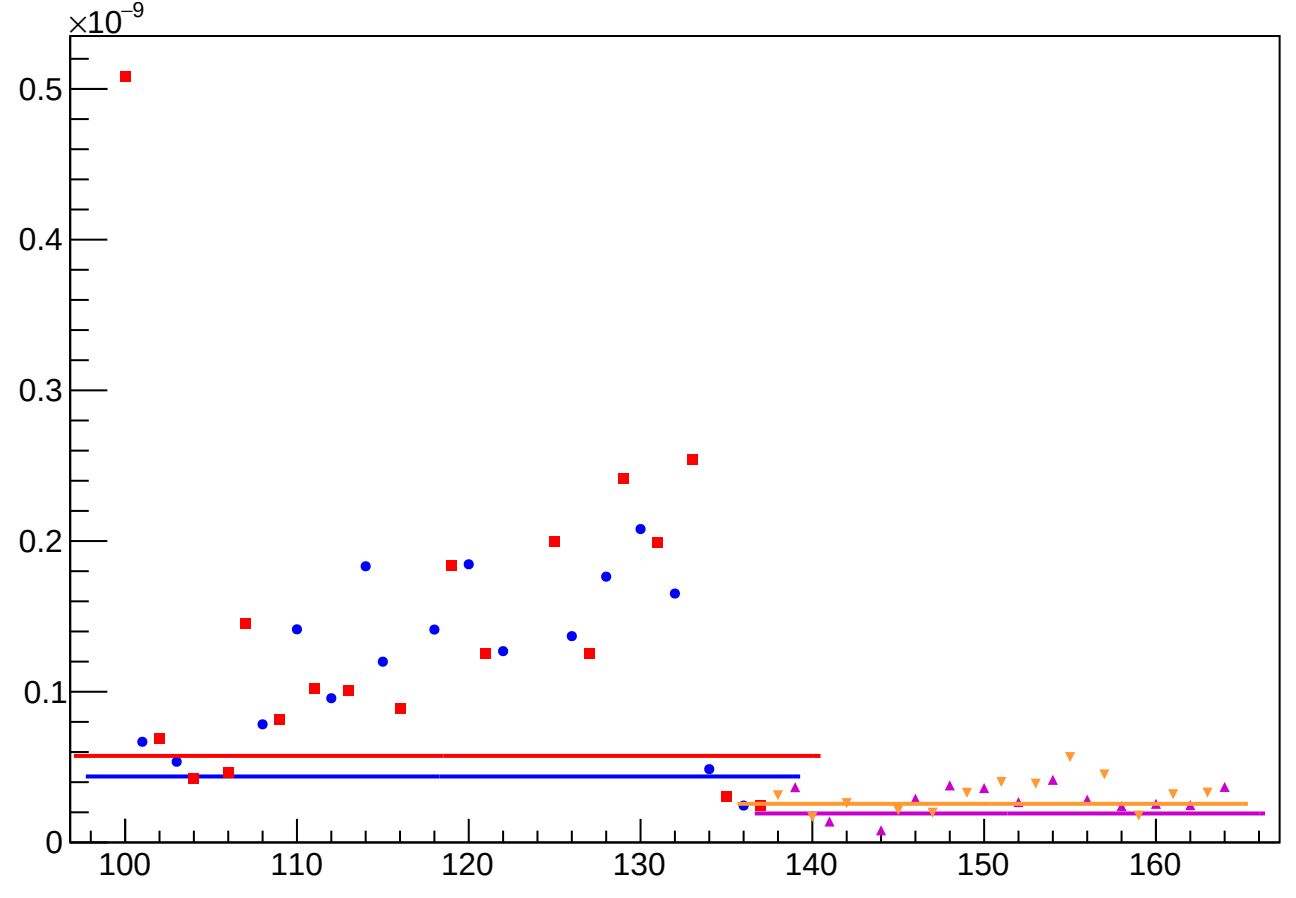
Left: 0.000+/-0.000 χ^2/NDF: 24.4/25

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:33.4/28

Out: 0.000+/-0.000 χ^2/NDF:18.6/30

All: 0.000+/-0.000 χ^2/NDF: 52.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:957120.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1952474.9/12

Left: 0.000+/-0.000 χ^2/NDF: 3180947.9/25

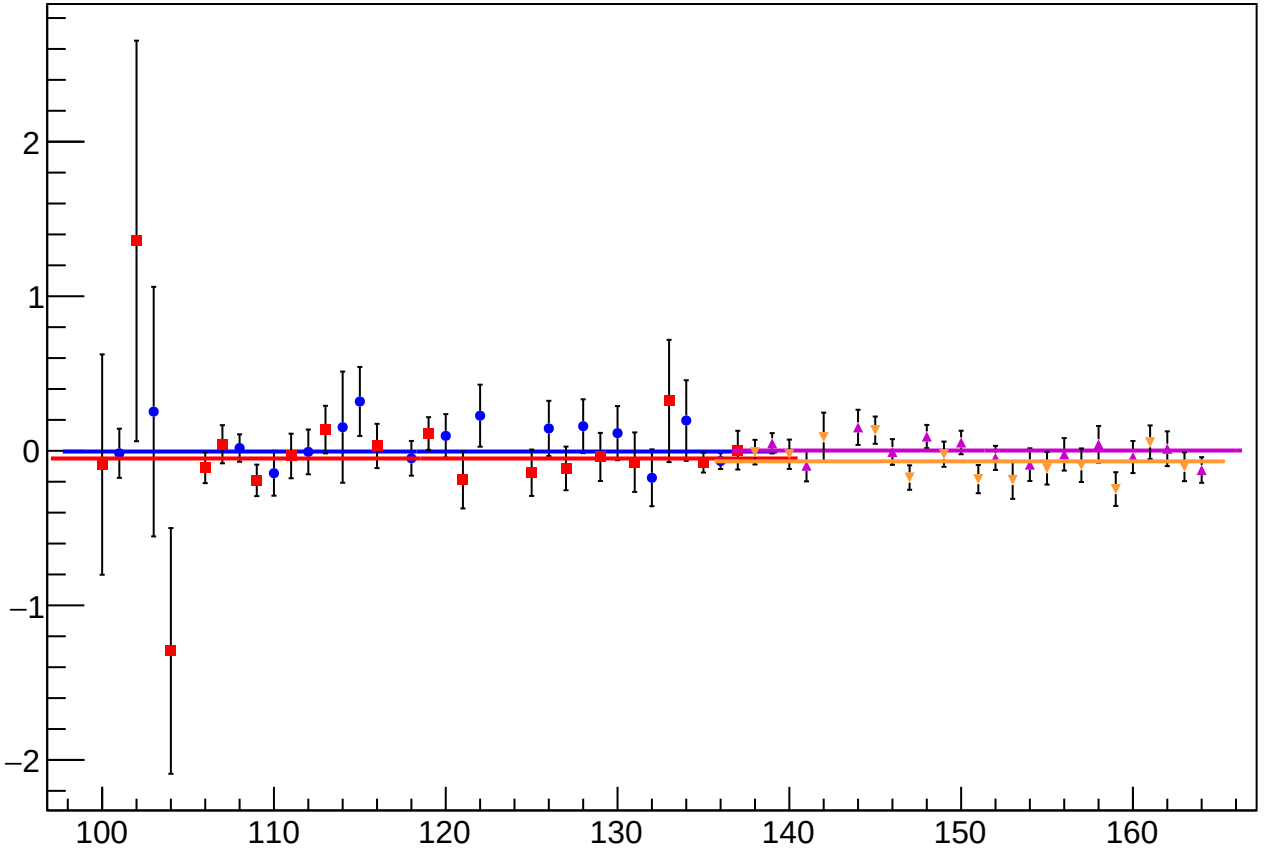
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5104492.4/28

Out: 0.000+/-0.000 χ^2/NDF:4025967.6/30

All: 0.000+/-0.000 χ^2/NDF: 9471230.1/59

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: -0.068+/-0.027 χ^2/NDF:16.0/12

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.002+/-0.025 χ^2/NDF:8.9/12

Left: -0.030+/-0.018 χ^2/NDF: 28.6/25

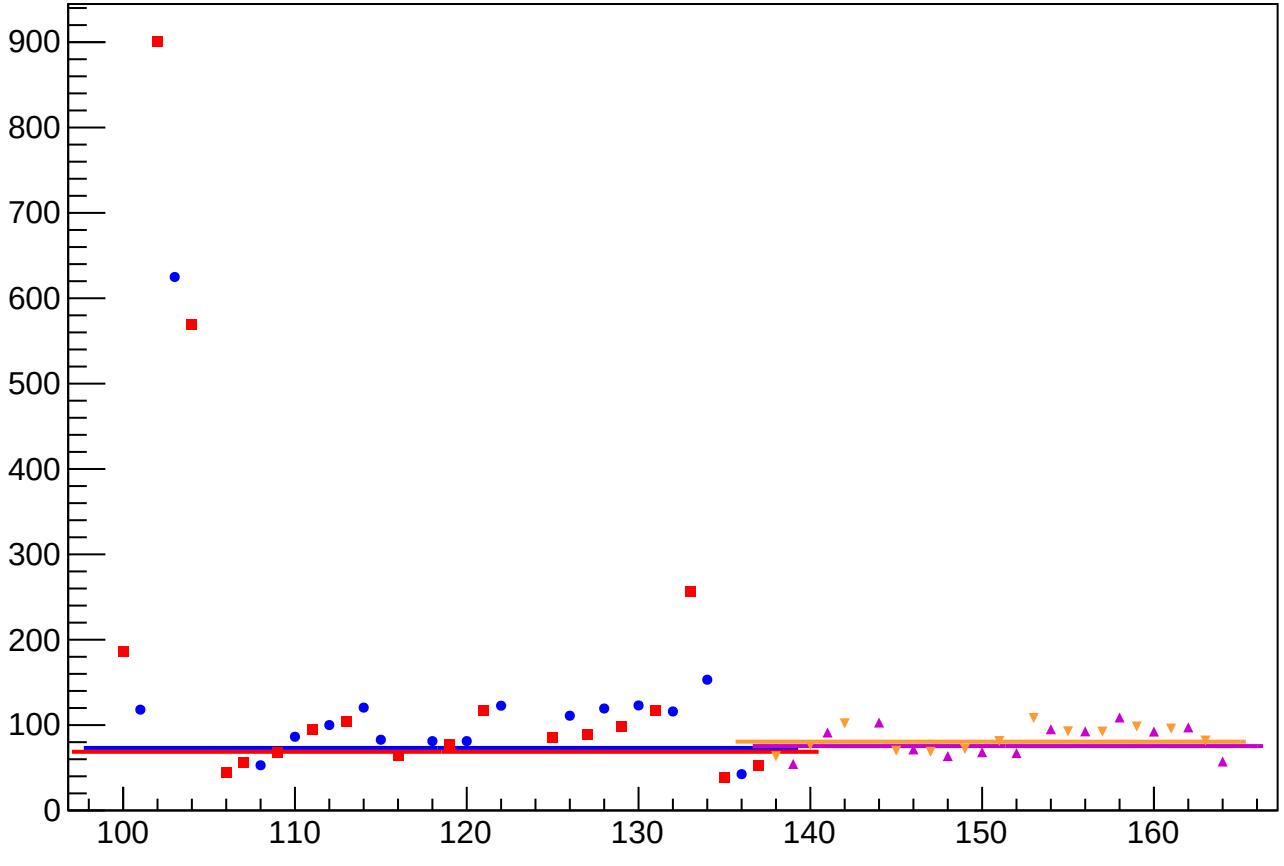
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.001+/-0.020 χ^2/NDF:19.2/28

Out: -0.060+/-0.020 χ^2/NDF:29.2/30

All: -0.029+/-0.014 χ^2/NDF: 52.9/59

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: 80.615+/-0.019 χ^2/NDF:474445.7/12

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 75.426+/-0.017 χ^2/NDF:970728.0/12

Left: 77.812+/-0.013 χ^2/NDF: 1485627.7/25

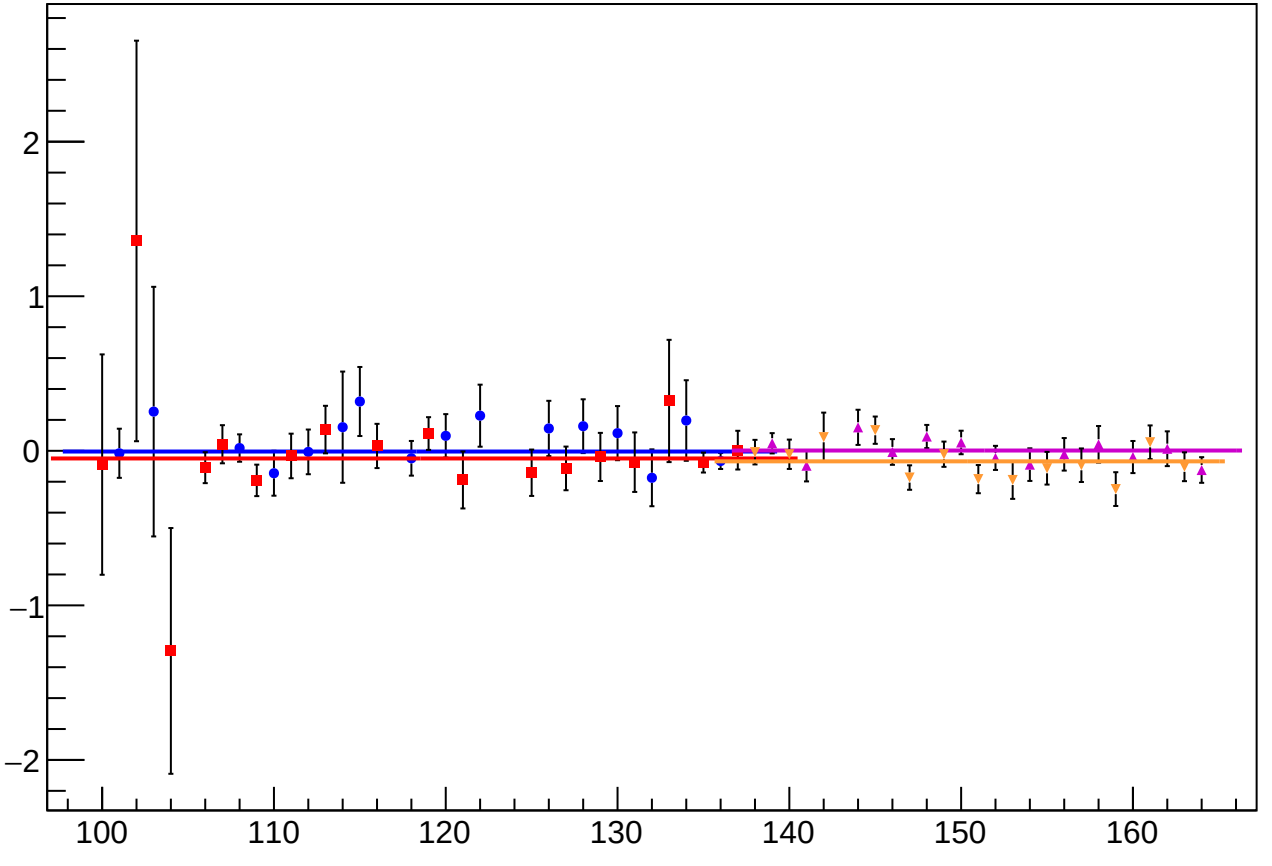
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 74.614+/-0.014 χ^2/NDF:3831151.1/28

Out: 75.649+/-0.014 χ^2/NDF:3970486.3/30

All: 75.110+/-0.010 χ^2/NDF: 7804303.5/59

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: -0.068+/-0.027 χ^2/NDF:16.0/12

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.002+/-0.025 χ^2/NDF:8.9/12

Left: -0.030+/-0.018 χ^2/NDF: 28.6/25

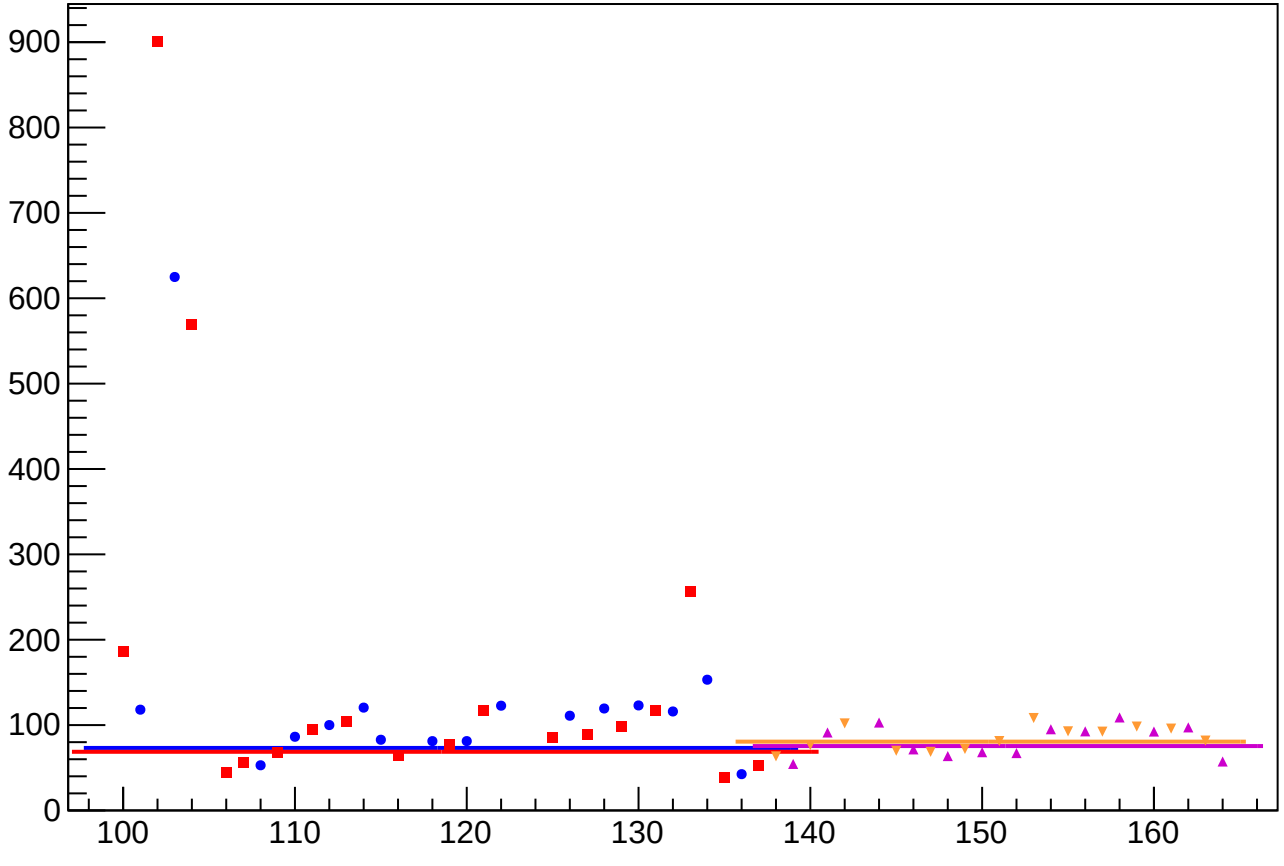
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.001+/-0.020 χ^2/NDF:19.2/28

Out: -0.060+/-0.020 χ^2/NDF:29.2/30

All: -0.029+/-0.014 χ^2/NDF: 52.9/59

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: 80.615+/-0.019 χ^2/NDF:474445.7/12

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 75.426+/-0.017 χ^2/NDF:970728.0/12

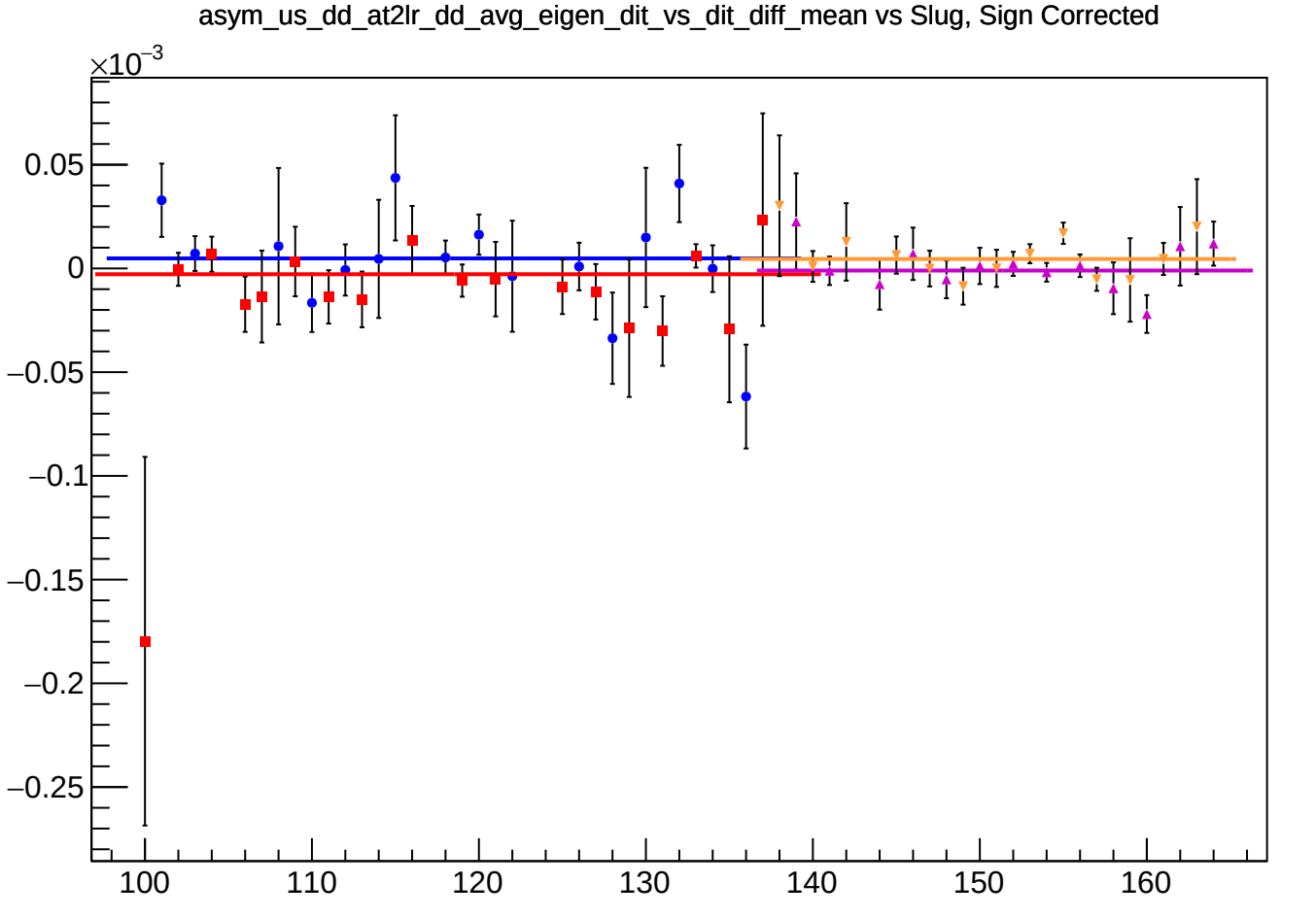
Left: 77.812+/-0.013 χ^2/NDF: 1485627.7/25

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 74.614+/-0.014 χ^2/NDF:3831151.1/28

Out: 75.649+/-0.014 χ^2/NDF:3970486.3/30

All: 75.110+/-0.010 χ^2/NDF: 7804303.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:10.2/12

Left: 0.000+/-0.000 χ^2/NDF: 27.1/25

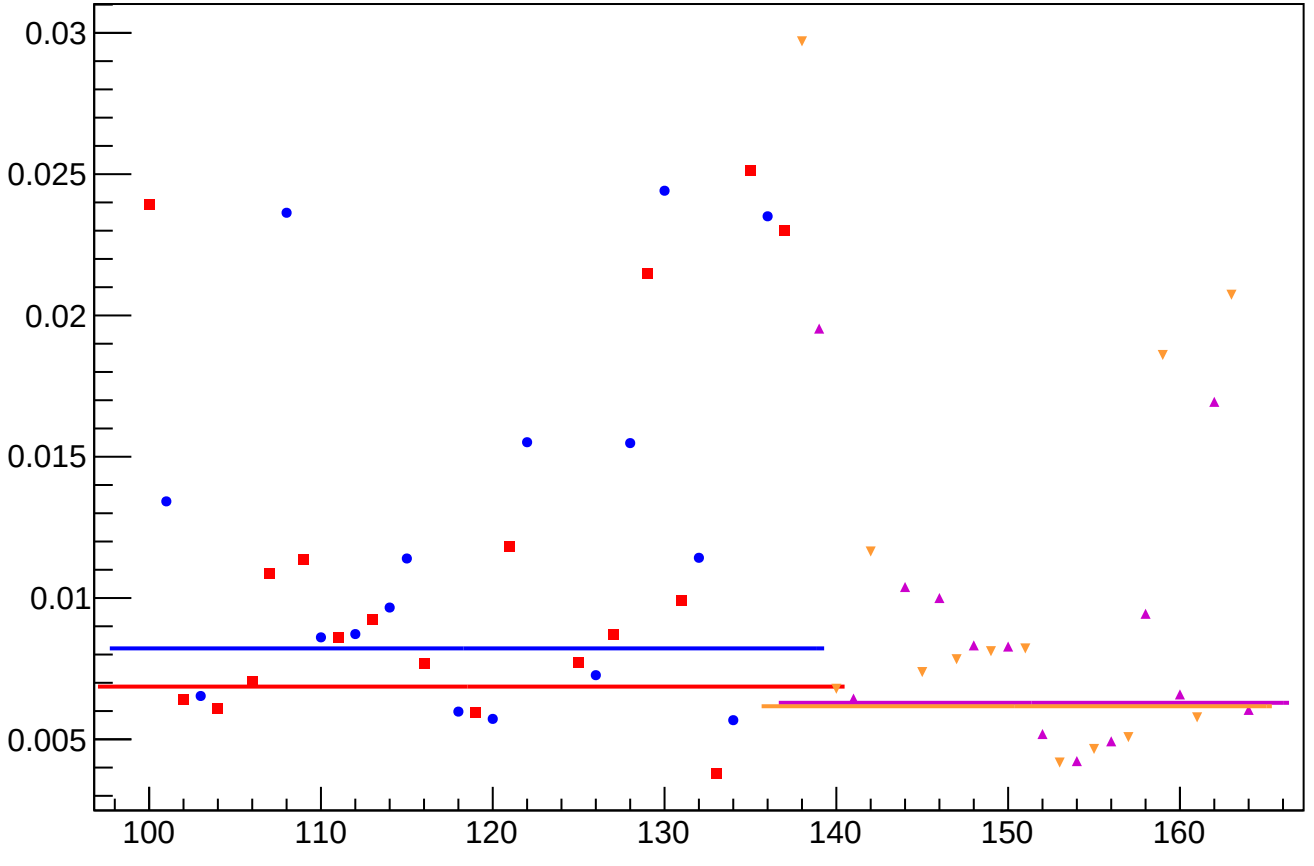
Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:34.8/28

Out: 0.000+/-0.000 χ^2/NDF:34.7/30

All: 0.000+/-0.000 χ^2/NDF: 69.7/59

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:3662343.5/12

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:2627786.4/12

Left: 0.006+/-0.000 χ^2/NDF: 6293191.5/25

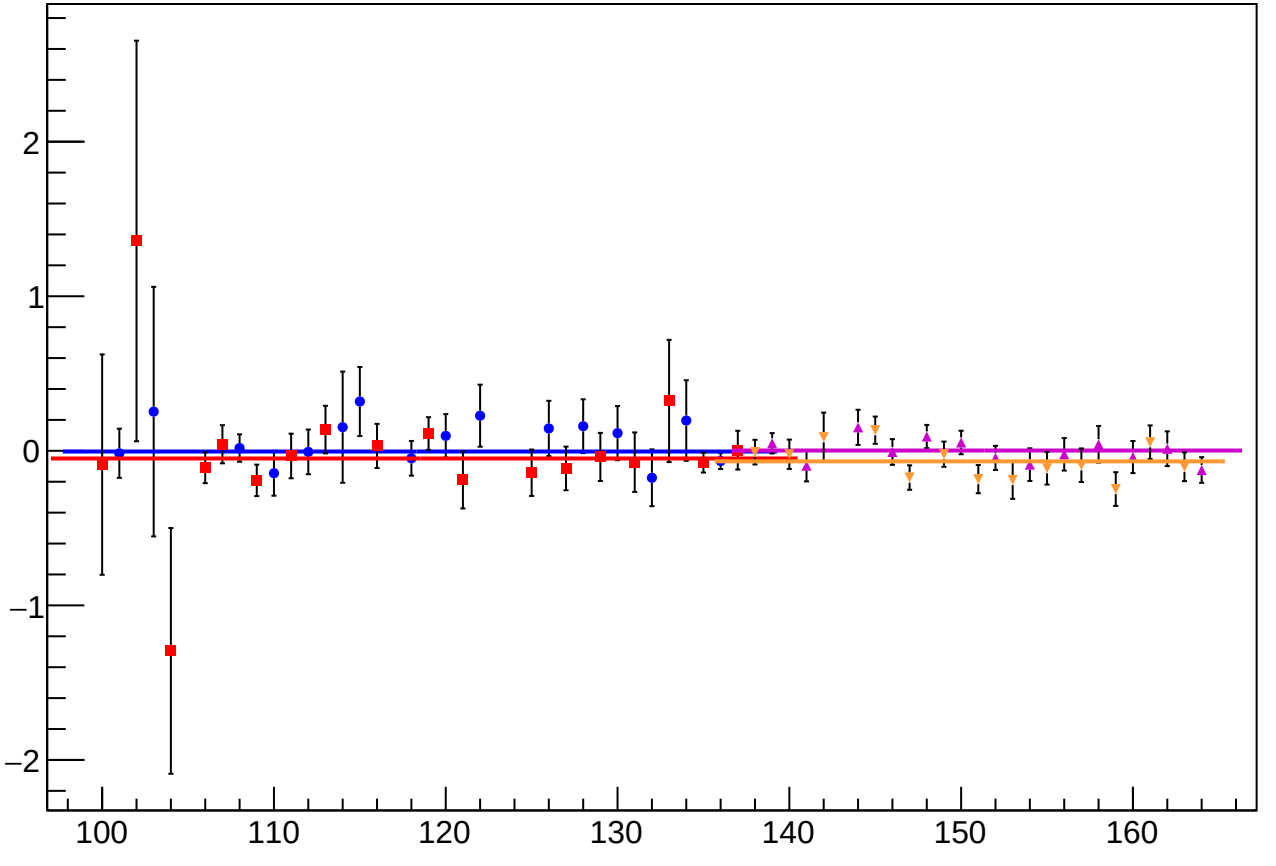
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.007+/-0.000 χ^2/NDF:5717725.7/28

Out: 0.006+/-0.000 χ^2/NDF:6164473.1/30

All: 0.007+/-0.000 χ^2/NDF: 11935864.1/59

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: -0.068+/-0.027 χ^2/NDF:16.0/12

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.002+/-0.025 χ^2/NDF:8.9/12

Left: -0.030+/-0.018 χ^2/NDF: 28.6/25

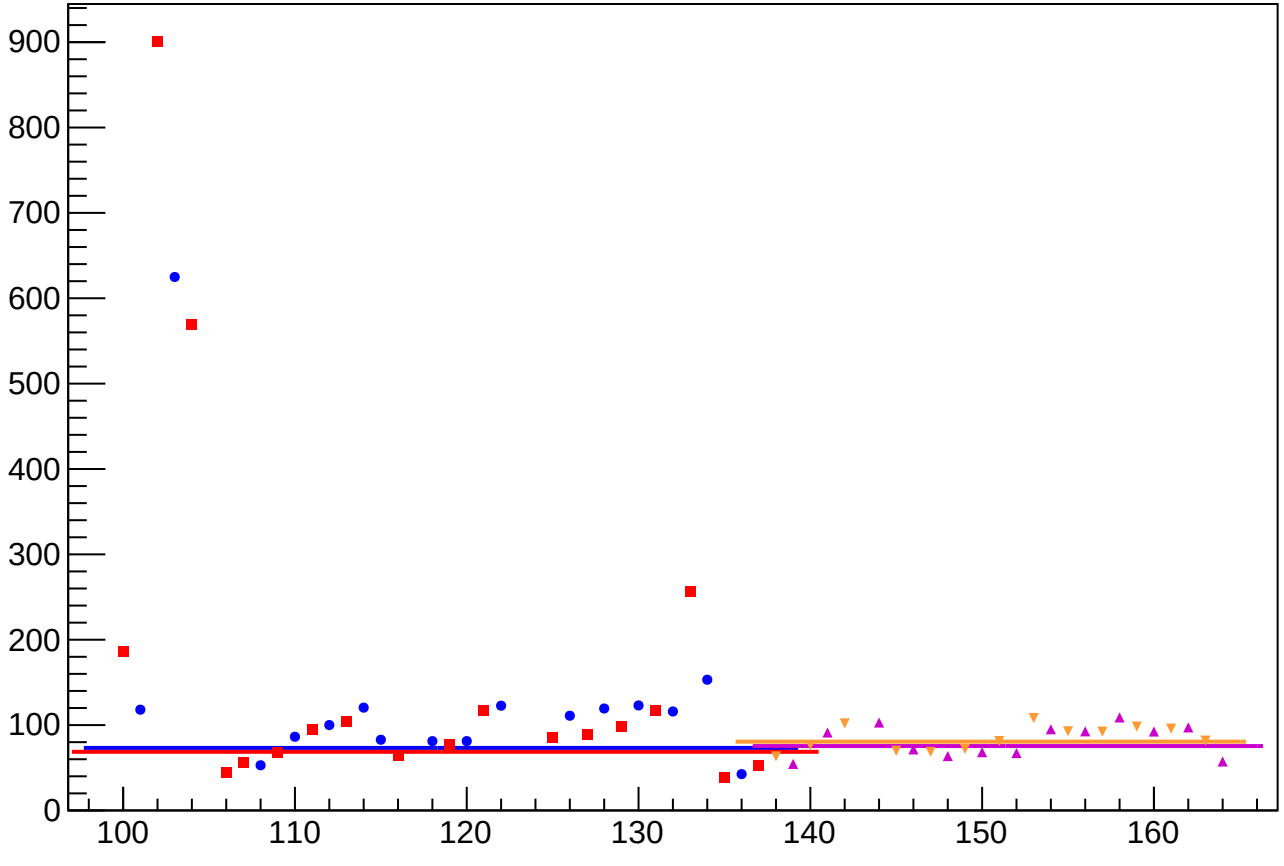
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.001+/-0.020 χ^2/NDF:19.2/28

Out: -0.060+/-0.020 χ^2/NDF:29.2/30

All: -0.029+/-0.014 χ^2/NDF: 52.9/59

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: 80.614+/-0.019 χ^2/NDF:474392.9/12

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 75.427+/-0.017 χ^2/NDF:970495.0/12

Left: 77.813+/-0.013 χ^2/NDF: 1485314.4/25

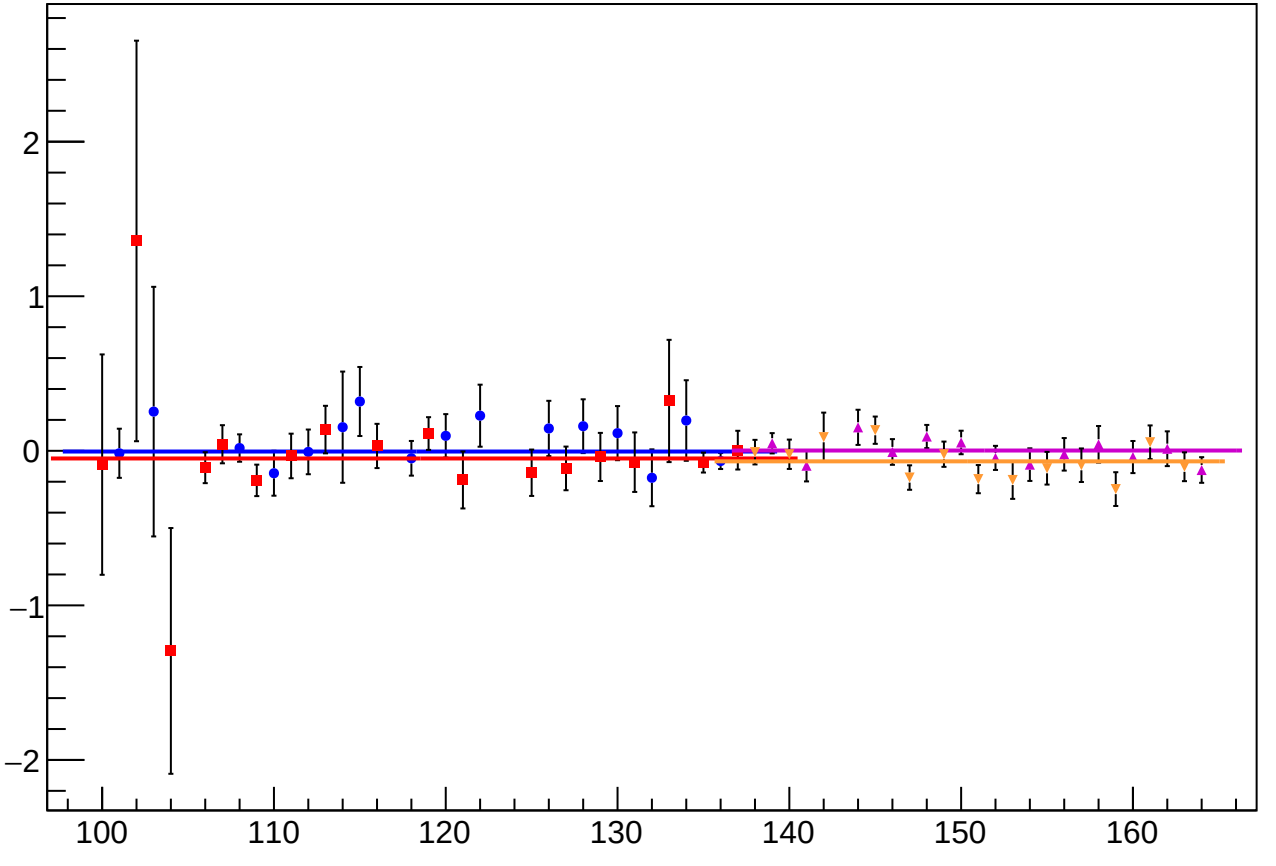
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.624+/-0.014 χ^2/NDF:3828494.9/28

Out: 75.643+/-0.014 χ^2/NDF:3971739.2/30

All: 75.112+/-0.010 χ^2/NDF: 7802820.0/59

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: -0.068+/-0.027 χ^2/NDF:16.0/12

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.002+/-0.025 χ^2/NDF:8.9/12

Left: -0.030+/-0.018 χ^2/NDF: 28.6/25

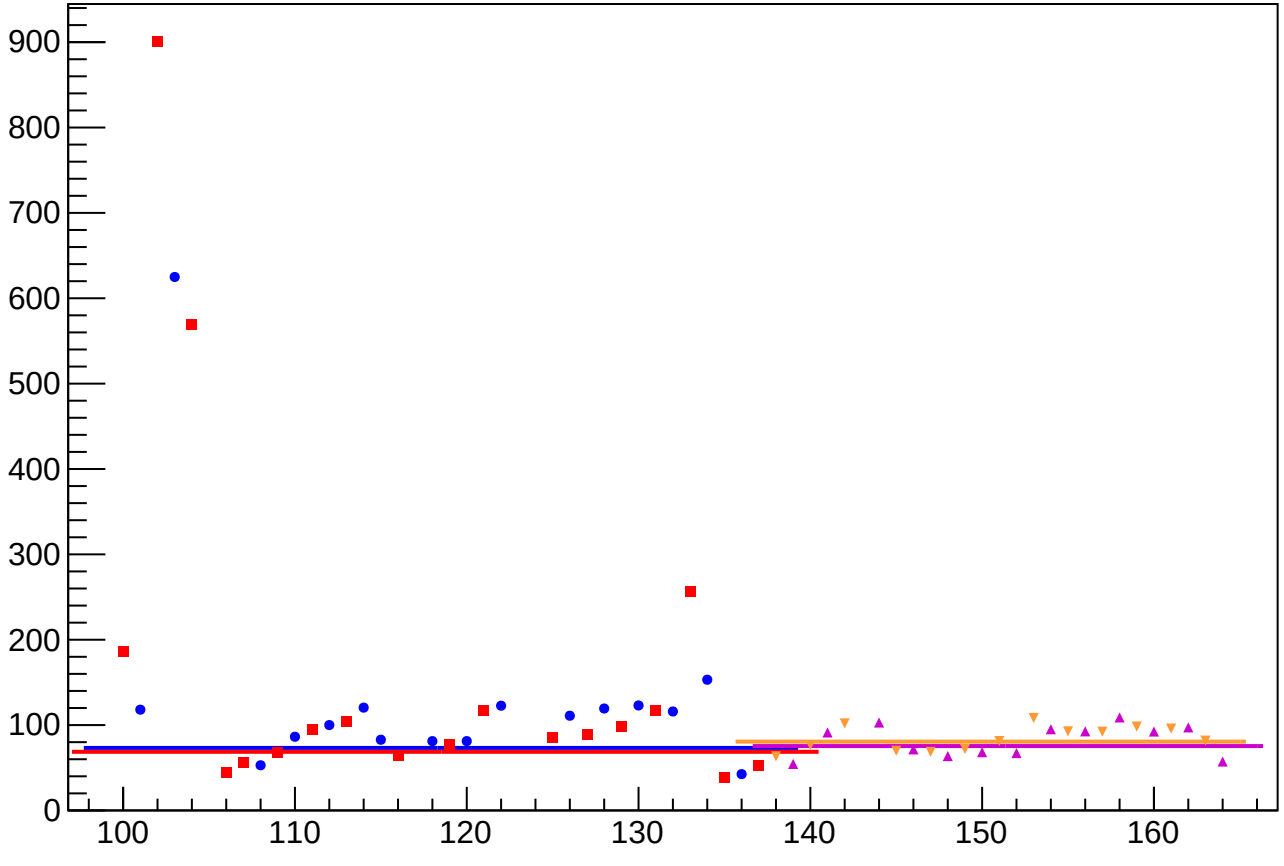
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: -0.001+/-0.020 χ^2/NDF:19.2/28

Out: -0.060+/-0.020 χ^2/NDF:29.2/30

All: -0.029+/-0.014 χ^2/NDF: 52.9/59

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: 80.614+/-0.019 χ^2/NDF:474392.9/12

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 75.427+/-0.017 χ^2/NDF:970495.0/12

Left: 77.813+/-0.013 χ^2/NDF: 1485314.4/25

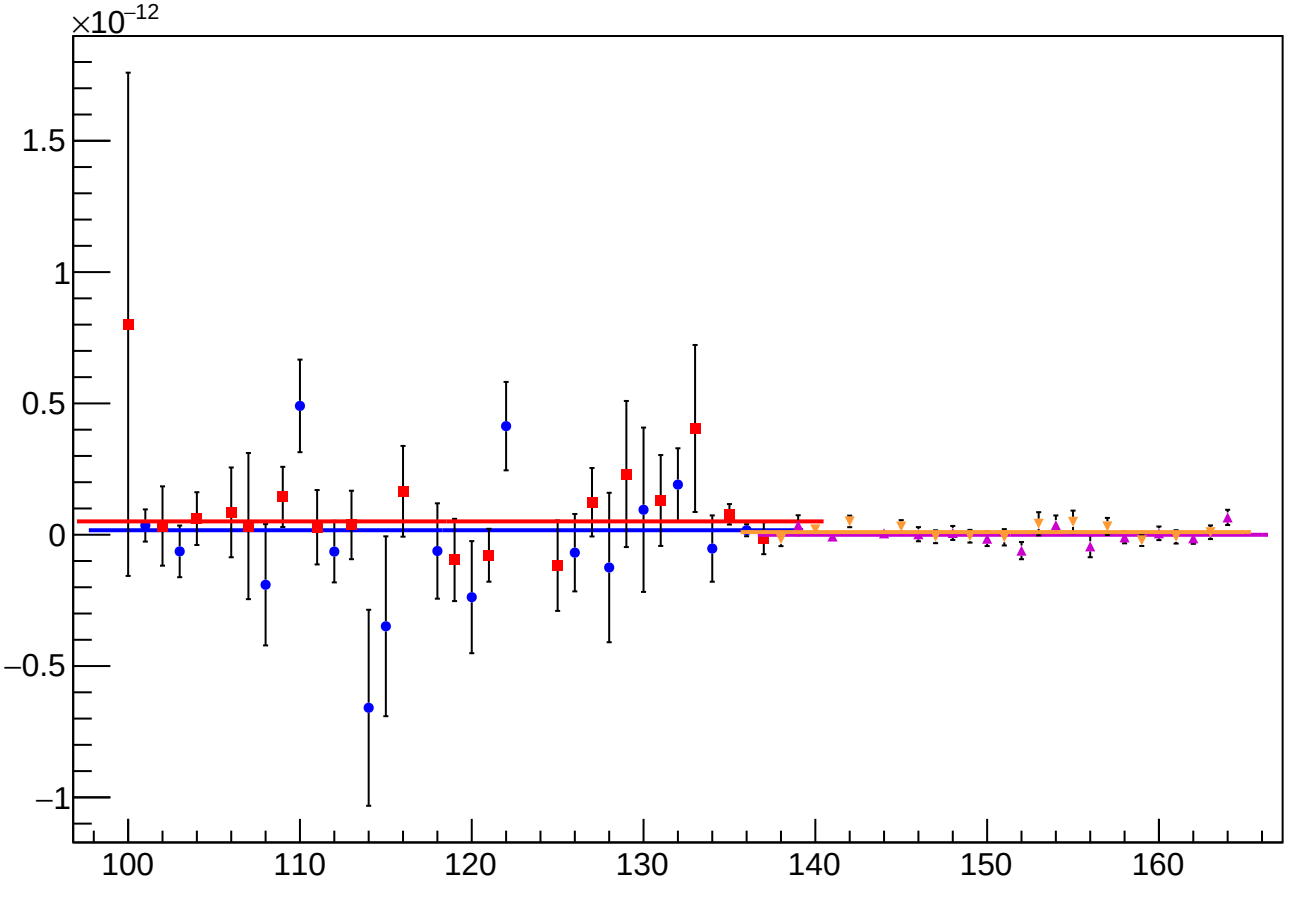
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 74.624+/-0.014 χ^2/NDF:3828494.9/28

Out: 75.643+/-0.014 χ^2/NDF:3971739.2/30

All: 75.112+/-0.010 χ^2/NDF: 7802820.0/59

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:11.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:12.9/12

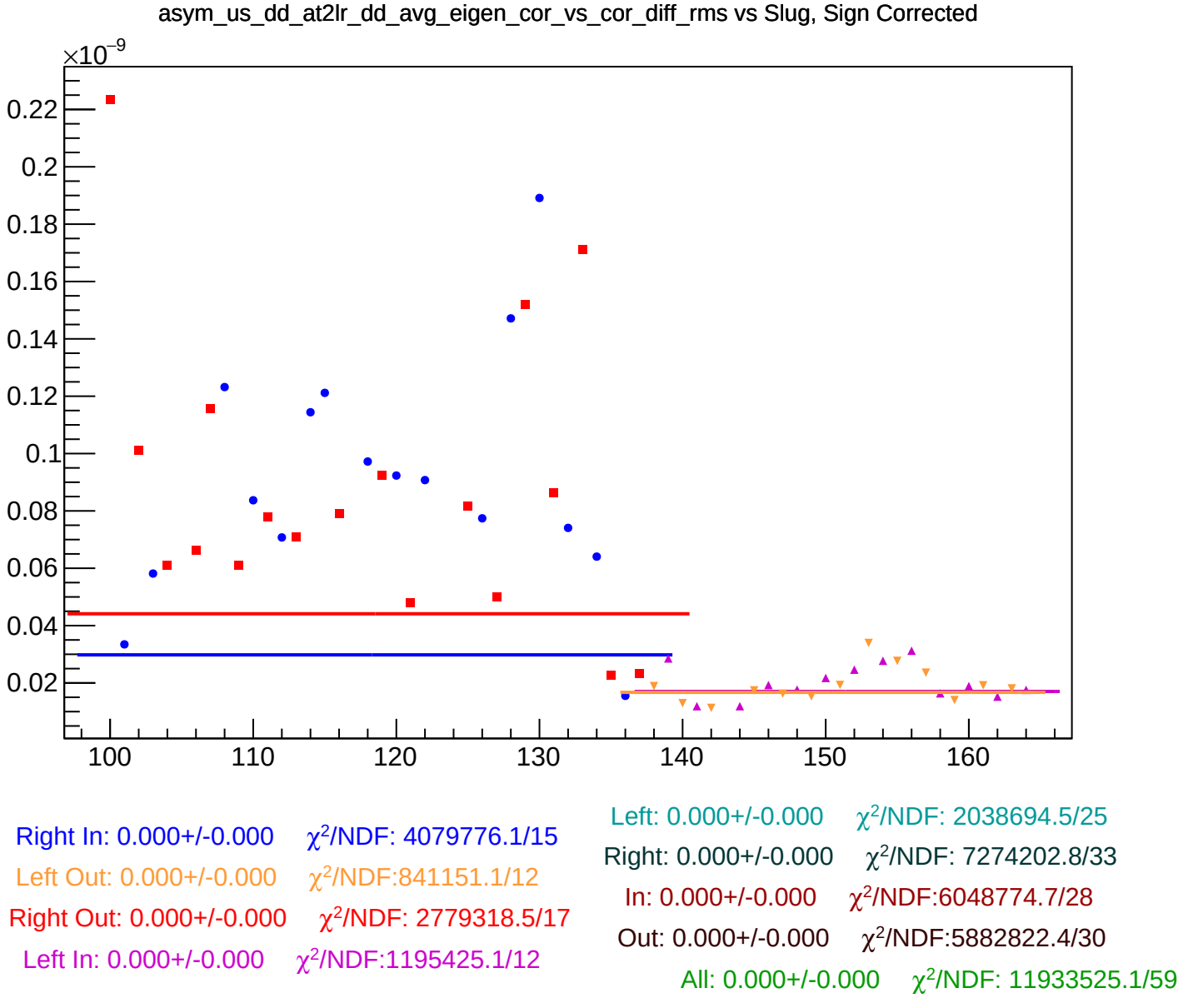
Left: 0.000+/-0.000 χ^2/NDF: 25.3/25

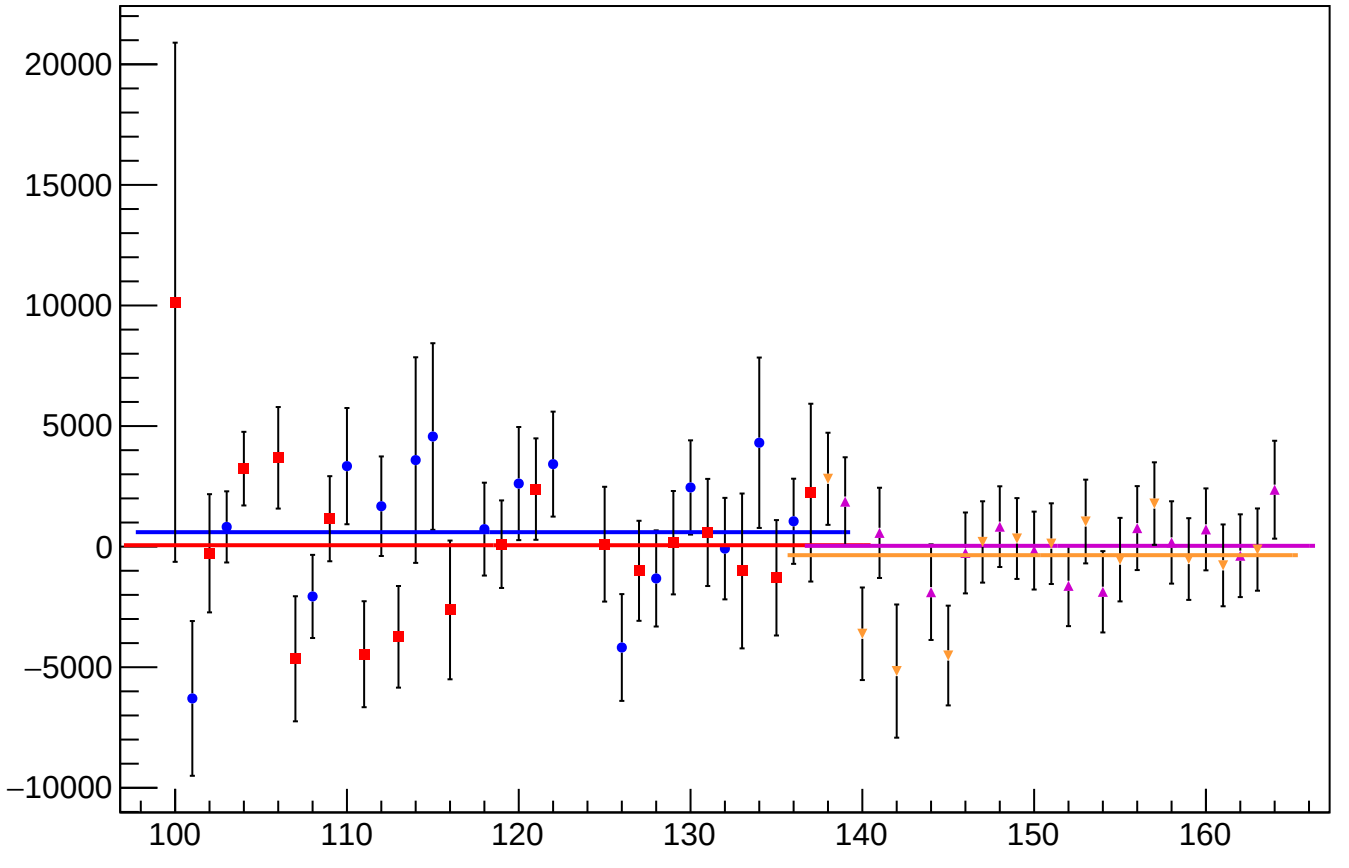
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:37.0/28

Out: 0.000+/-0.000 χ^2/NDF:22.9/30

All: 0.000+/-0.000 χ^2/NDF: 61.4/59


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
160
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:841151.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1195425.1/12
Left: 0.000+/-0.000 χ²/NDF: 2038694.5/25
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:6048774.7/28
Out: 0.000+/-0.000 χ²/NDF:5882822.4/30
All: 0.000+/-0.000 χ²/NDF: 11933525.1/59



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -353.948+/-498.636 χ^2/NDF:15.4/12

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 33.984+/-485.473 χ^2/NDF:6.3/12

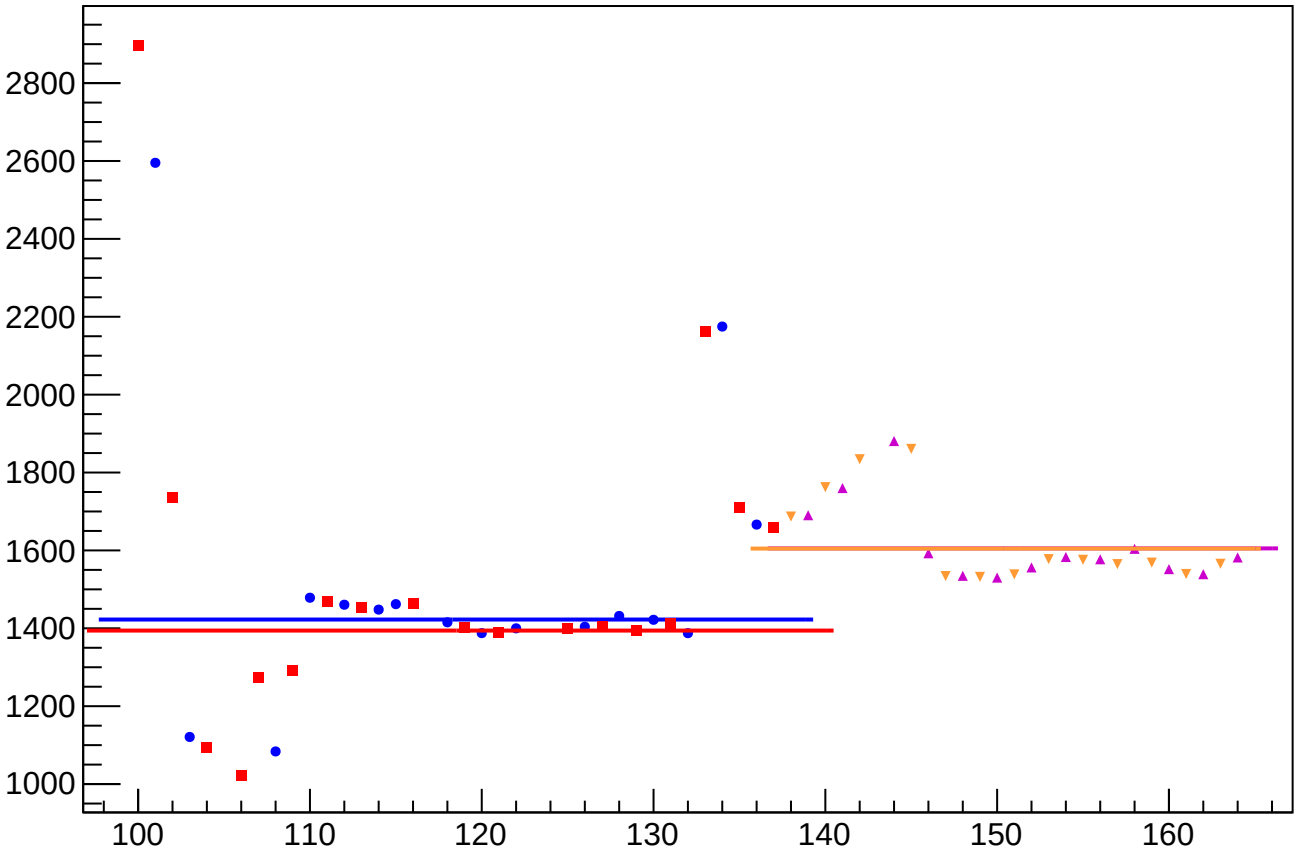
Left: -154.794+/-347.842 χ^2/NDF: 22.0/25

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 287.018+/-361.040 χ^2/NDF:27.2/28

Out: -160.090+/-363.237 χ^2/NDF:38.2/30

All: 64.820+/-256.067 χ^2/NDF: 66.2/59



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1604.724+/-0.353 χ^2/NDF:79115.9/12

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1605.199+/-0.343 χ^2/NDF:72418.4/12

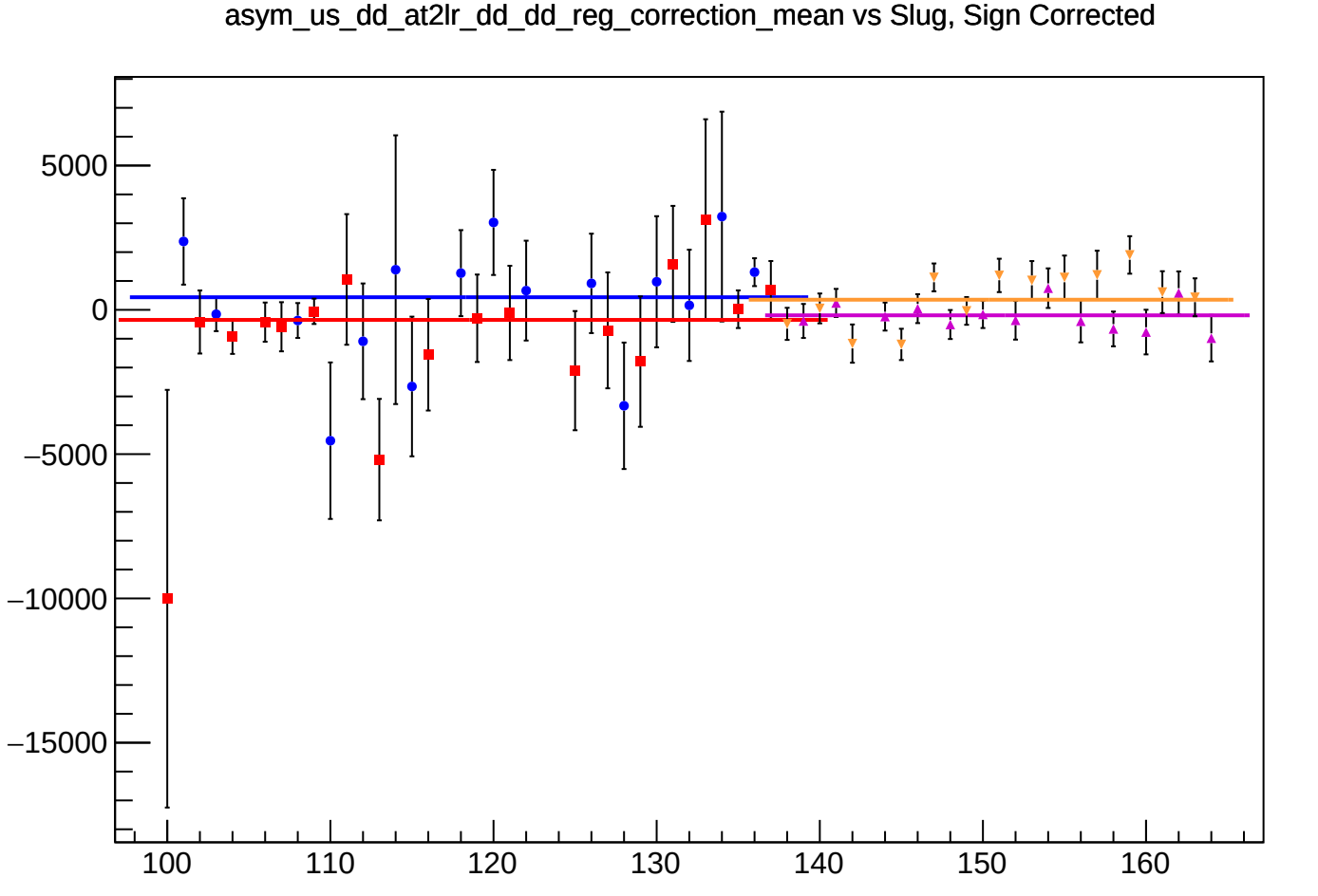
Left: 1604.968+/-0.246 χ^2/NDF: 151535.3/25

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

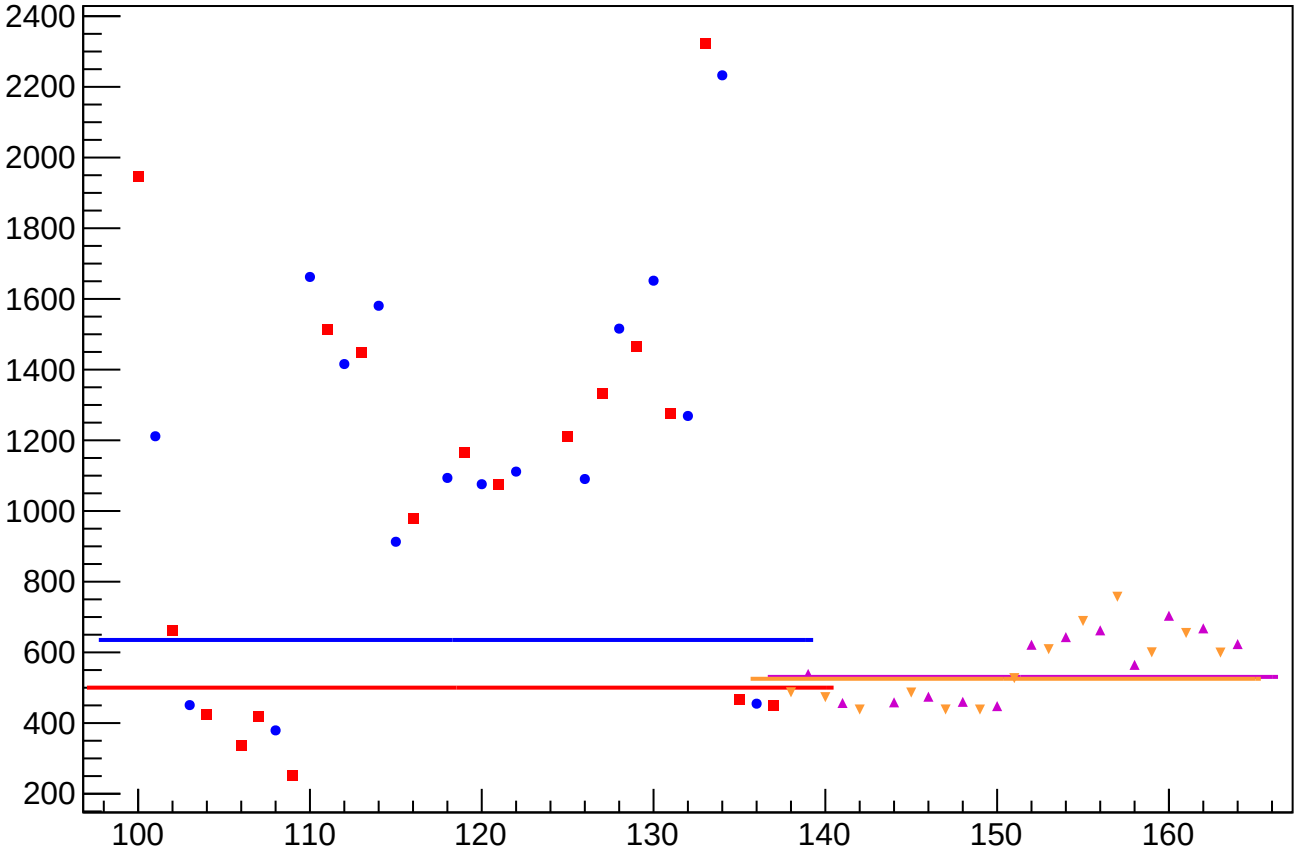
In: 1523.552+/-0.255 χ^2/NDF:759250.9/28

Out: 1505.902+/-0.257 χ^2/NDF:640152.1/30

All: 1514.780+/-0.181 χ^2/NDF: 1401778.6/59


asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 436.509+/-275.917 χ²/NDF: 19.3/15
Left Out: 350.918+/-166.167 χ²/NDF:30.3/12
Right Out: -348.567+/-233.745 χ²/NDF: 13.9/17
Left In: -190.009+/-162.873 χ²/NDF:6.8/12
Left: 75.041+/-116.316 χ²/NDF: 42.4/25
Right: -20.548+/-178.349 χ²/NDF: 38.0/33
In: -28.111+/-140.259 χ²/NDF:29.9/28
Out: 116.094+/-135.433 χ²/NDF:50.1/30
All: 46.516+/-97.427 χ²/NDF: 80.6/59

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: 525.325+/-0.117 χ^2/NDF:597900.1/12

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 530.639+/-0.115 χ^2/NDF:571198.1/12

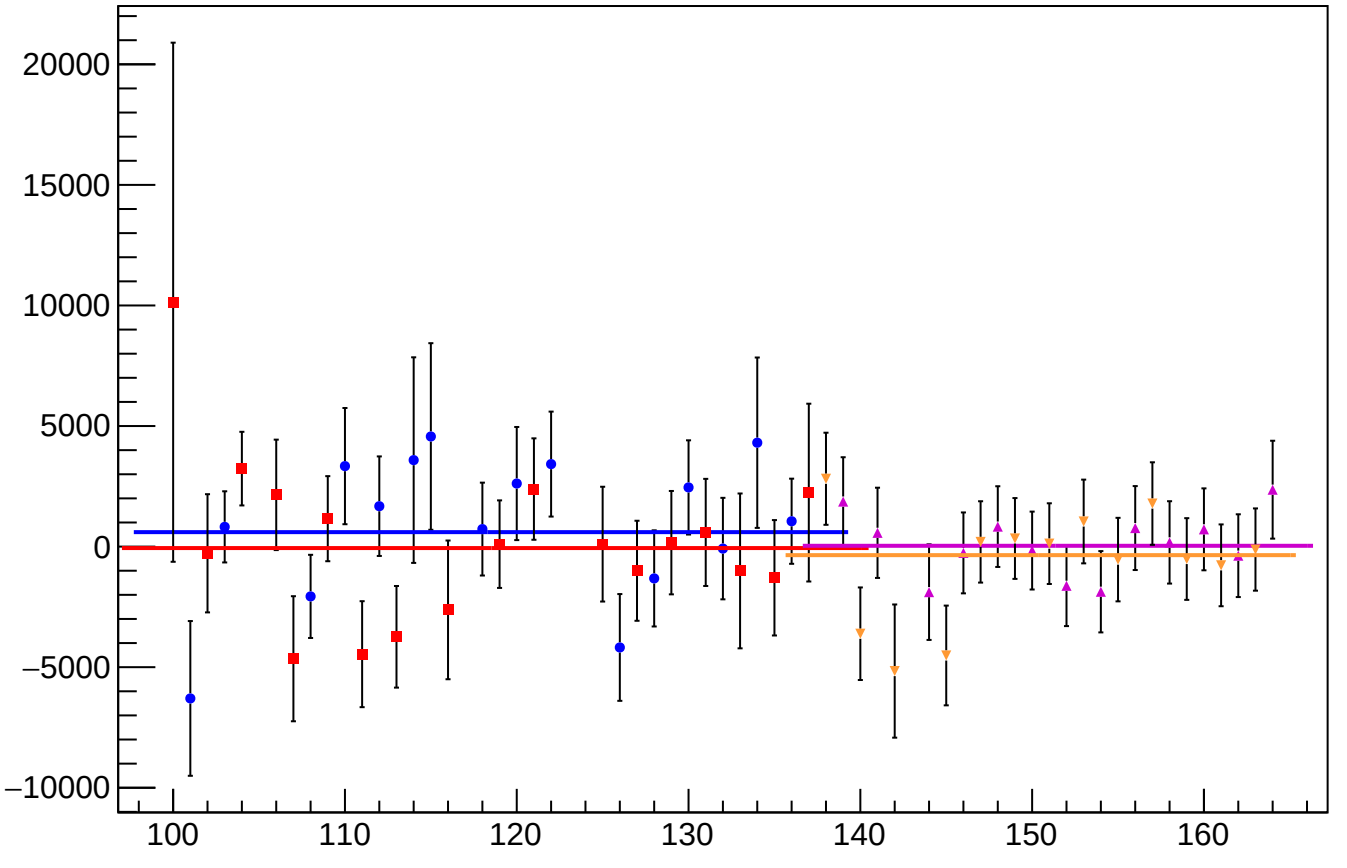
Left: 528.035+/-0.082 χ^2/NDF: 1170141.6/25

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 557.642+/-0.099 χ^2/NDF:4536513.6/28

Out: 516.901+/-0.096 χ^2/NDF:4922304.9/30

All: 536.558+/-0.069 χ^2/NDF: 9546145.5/59



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -354.082+/-498.636 χ^2/NDF:15.4/12

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 33.959+/-485.473 χ^2/NDF:6.3/12

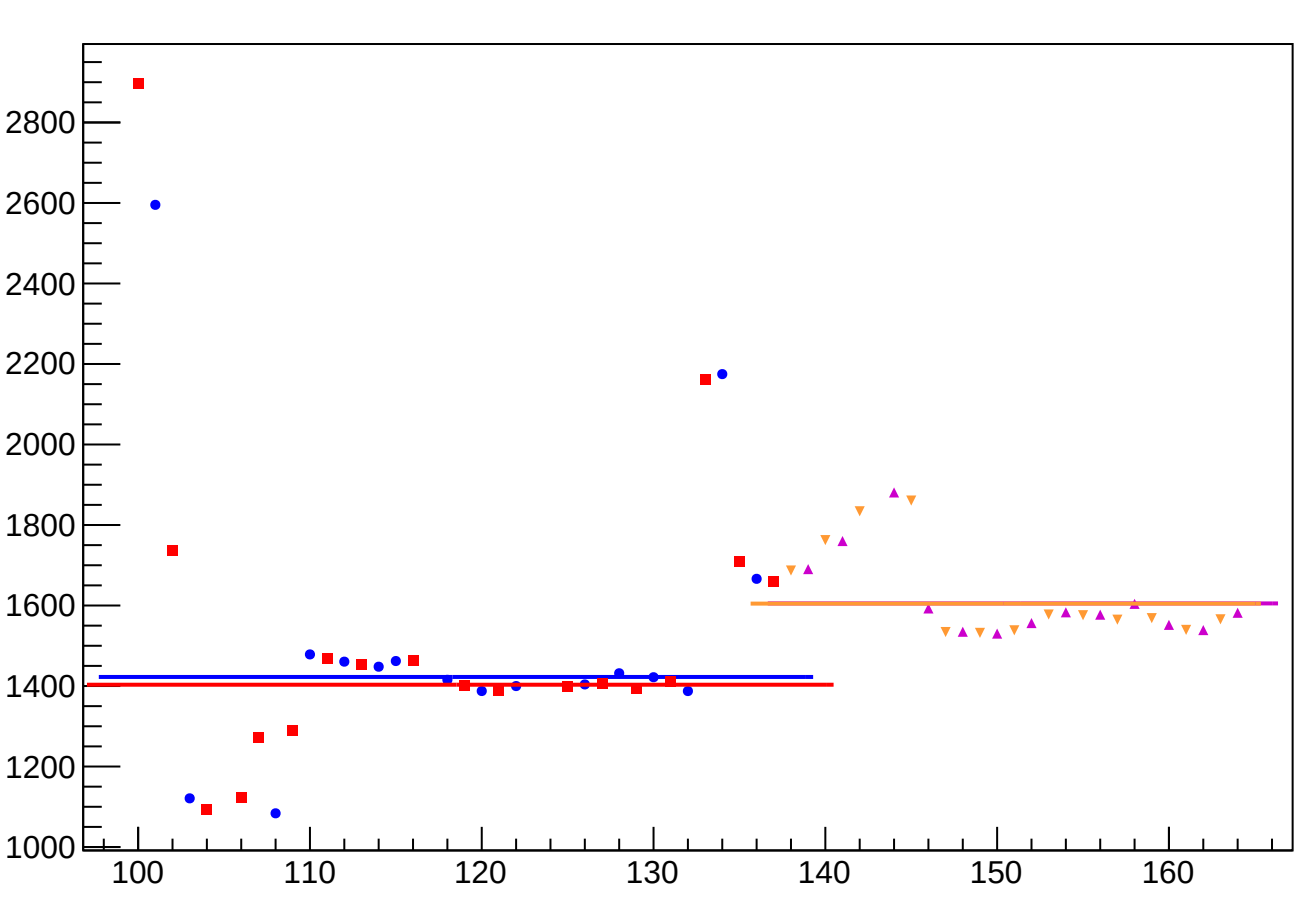
Left: -154.872+/-347.842 χ^2/NDF: 22.0/25

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 286.947+/-361.040 χ^2/NDF:27.2/28

Out: -216.947+/-364.076 χ^2/NDF:35.9/30

All: 37.110+/-256.361 χ^2/NDF: 64.1/59



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1604.724+/-0.353 χ^2/NDF:79115.9/12

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1605.199+/-0.343 χ^2/NDF:72418.4/12

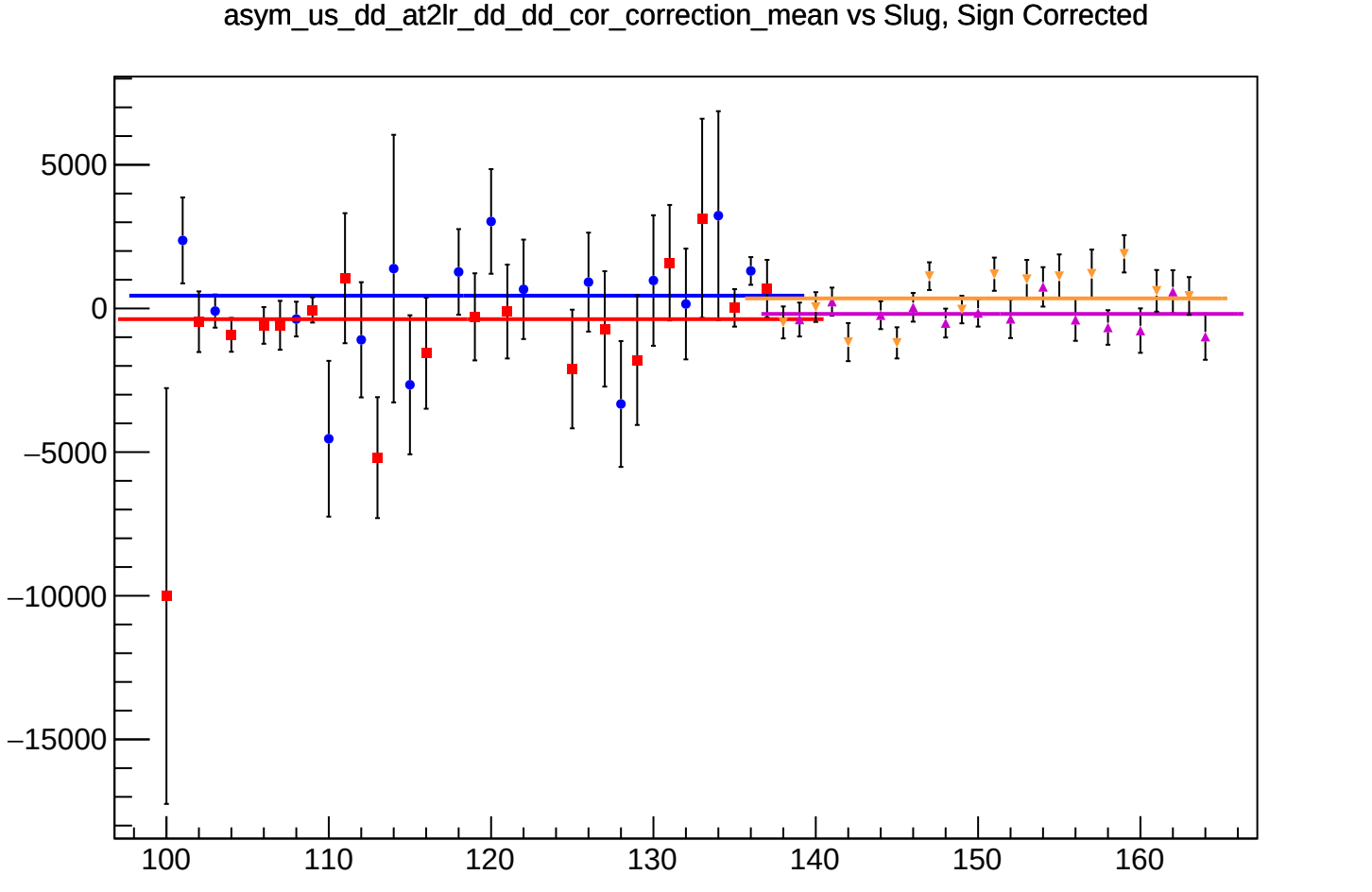
Left: 1604.968+/-0.246 χ^2/NDF: 151535.3/25

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1523.552+/-0.255 χ^2/NDF:759251.3/28

Out: 1510.643+/-0.257 χ^2/NDF:590720.8/30

All: 1517.152+/-0.181 χ^2/NDF: 1351239.8/59



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 350.951+/-166.169 χ^2/NDF:30.3/12

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -190.073+/-162.872 χ^2/NDF:6.7/12

Left: 75.018+/-116.316 χ^2/NDF: 42.4/25

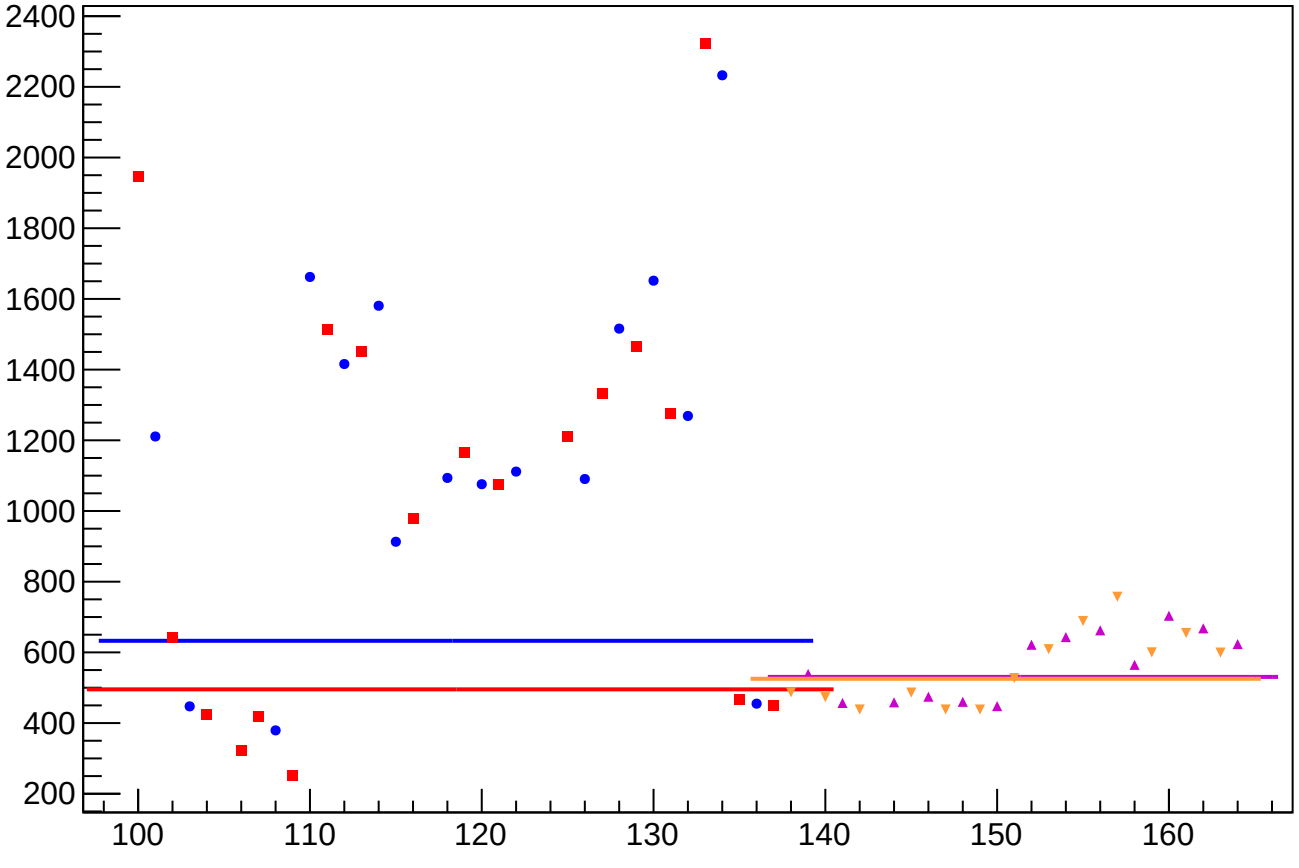
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -24.890+/-140.103 χ^2/NDF:29.9/28

Out: 104.735+/-134.964 χ^2/NDF:50.7/30

All: 42.343+/-97.200 χ^2/NDF: 81.1/59

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: 525.333+/-0.117 χ^2/NDF:597792.3/12

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 530.633+/-0.115 χ^2/NDF:571234.4/12

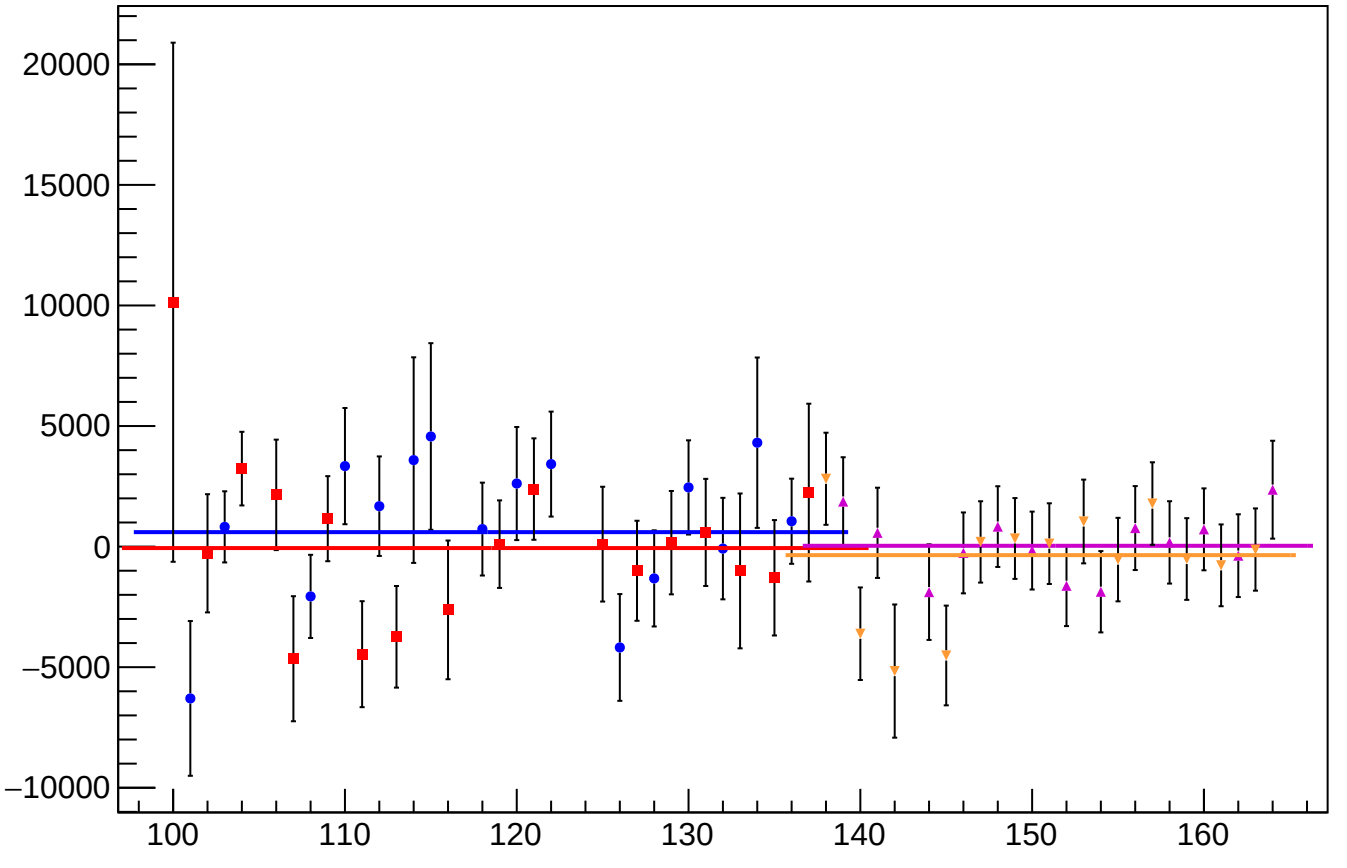
Left: 528.036+/-0.082 χ^2/NDF: 1170064.3/25

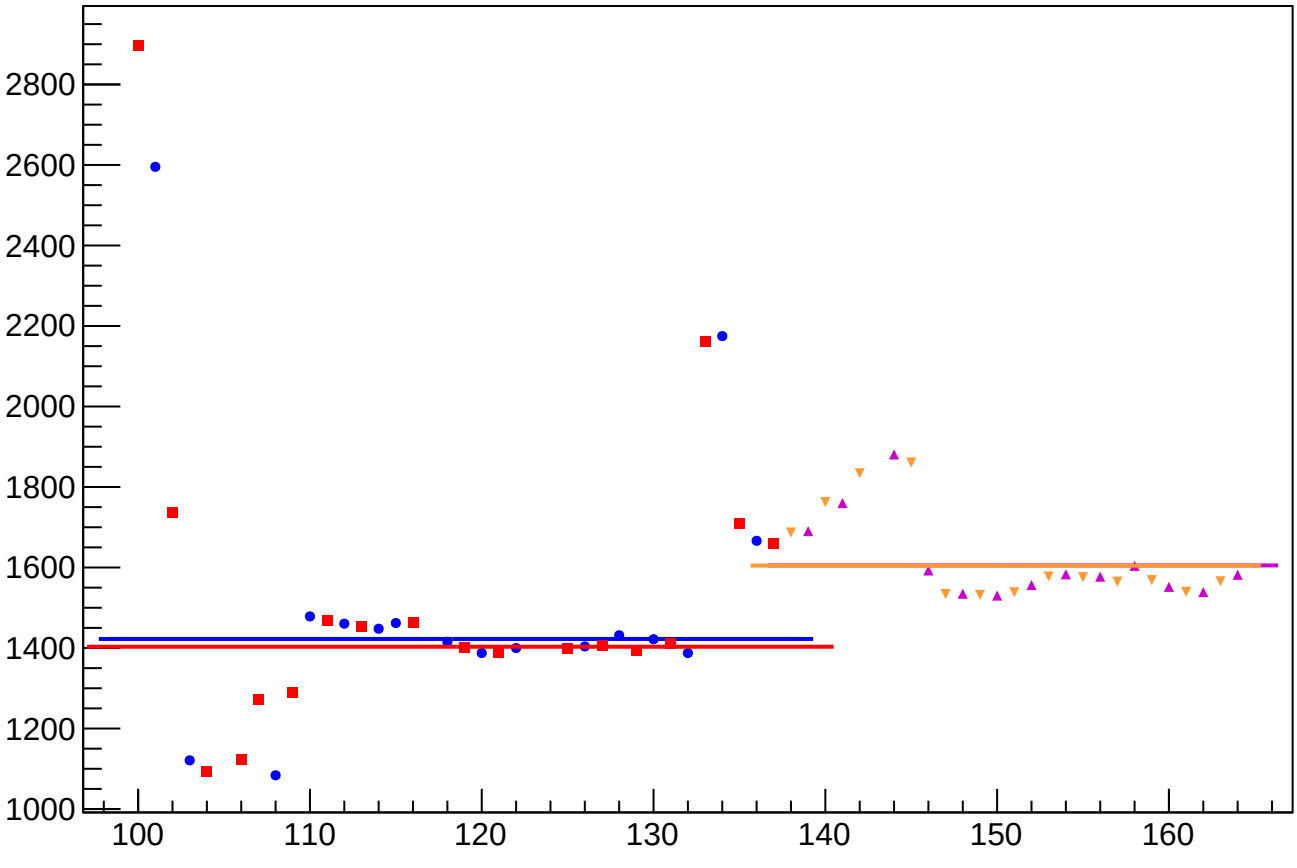
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 557.189+/-0.099 χ^2/NDF:4543431.3/28

Out: 515.139+/-0.095 χ^2/NDF:4957392.1/30

All: 535.379+/-0.069 χ^2/NDF: 9594269.4/59


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
160
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -354.082+/-498.636 χ²/NDF:15.4/12
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 33.959+/-485.473 χ²/NDF:6.3/12
Left: -154.872+/-347.842 χ²/NDF: 22.0/25
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 286.947+/-361.040 χ²/NDF:27.2/28
Out: -216.947+/-364.076 χ²/NDF:35.9/30
All: 37.110+/-256.361 χ²/NDF: 64.1/59



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1604.724+/-0.353 χ^2/NDF:79115.9/12

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1605.199+/-0.343 χ^2/NDF:72418.4/12

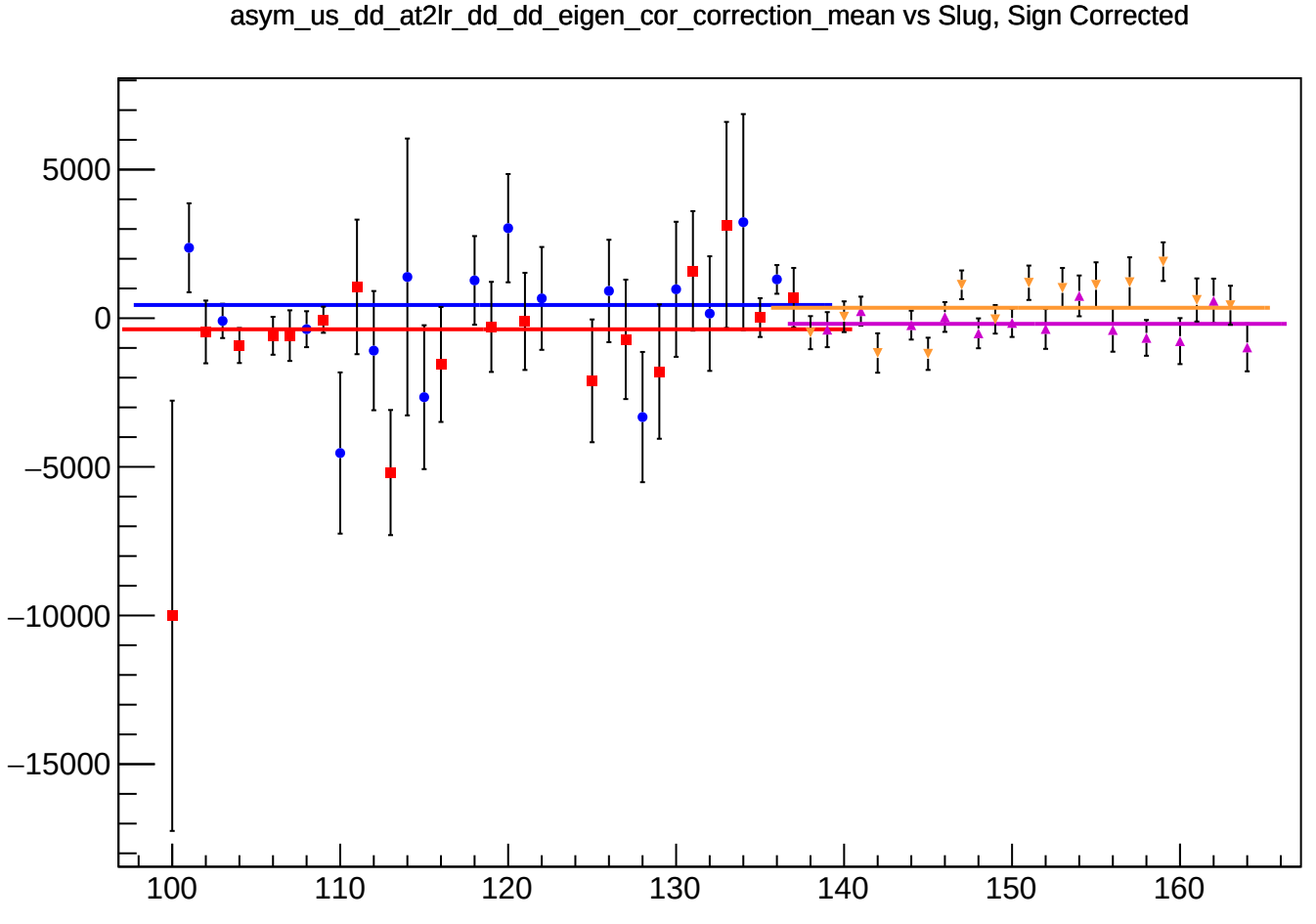
Left: 1604.968+/-0.246 χ^2/NDF: 151535.3/25

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1523.552+/-0.255 χ^2/NDF:759251.3/28

Out: 1510.643+/-0.257 χ^2/NDF:590720.8/30

All: 1517.152+/-0.181 χ^2/NDF: 1351239.8/59



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 350.951+/-166.169 χ^2/NDF:30.3/12

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -190.073+/-162.872 χ^2/NDF:6.7/12

Left: 75.018+/-116.316 χ^2/NDF: 42.4/25

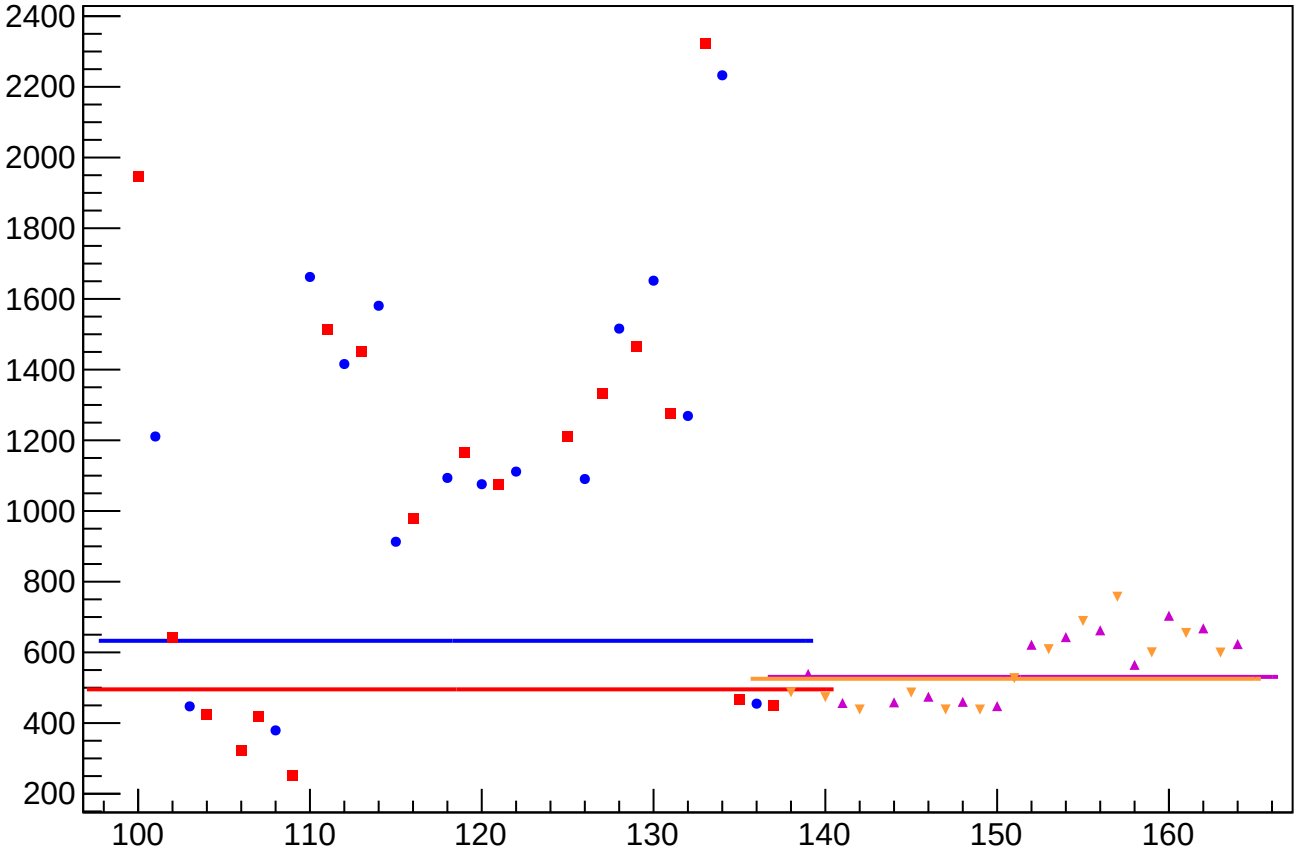
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -24.890+/-140.103 χ^2/NDF:29.9/28

Out: 104.735+/-134.964 χ^2/NDF:50.7/30

All: 42.343+/-97.200 χ^2/NDF: 81.1/59

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: 525.333+/-0.117 χ^2/NDF:597792.3/12

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 530.633+/-0.115 χ^2/NDF:571234.4/12

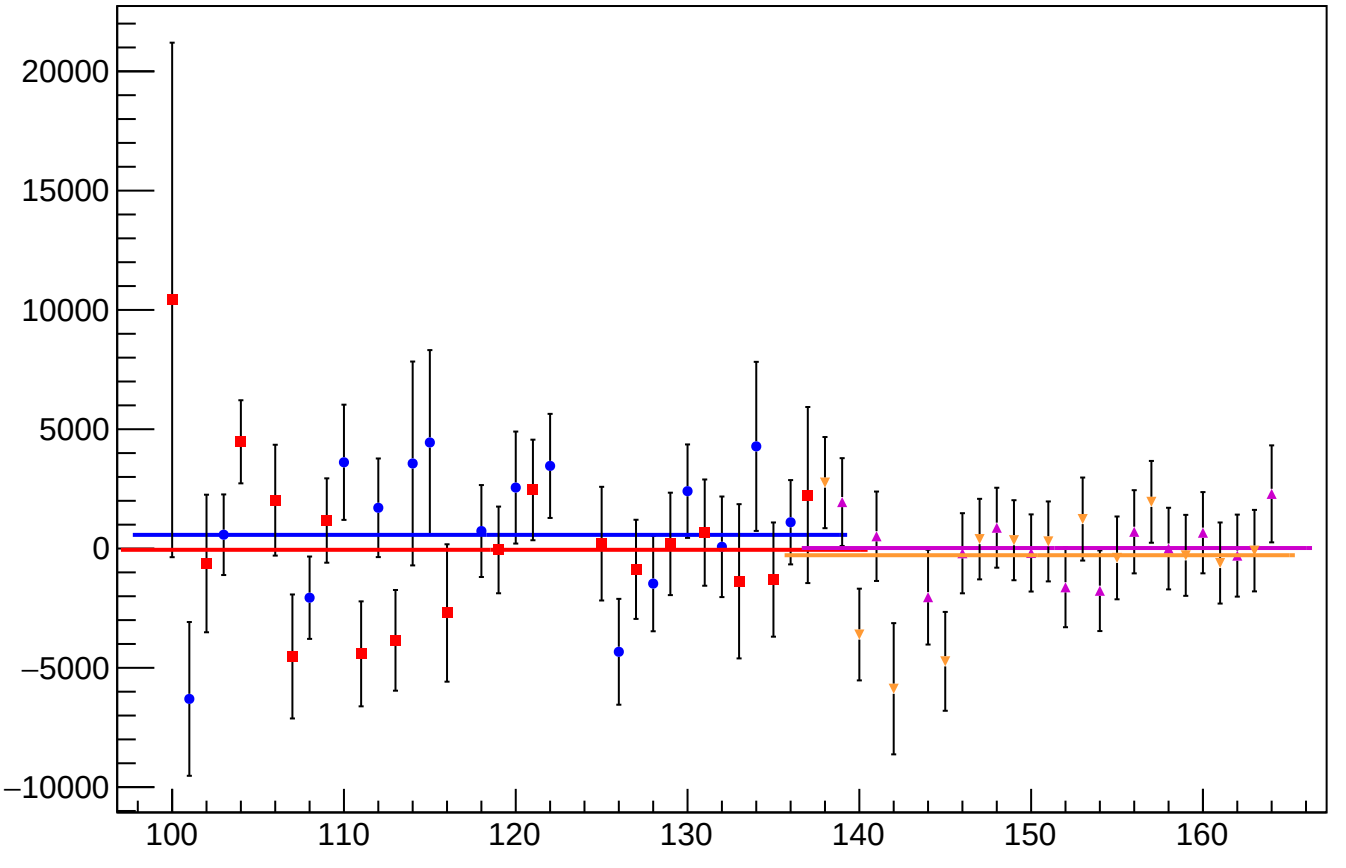
Left: 528.036+/-0.082 χ^2/NDF: 1170064.3/25

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 557.189+/-0.099 χ^2/NDF:4543431.3/28

Out: 515.139+/-0.095 χ^2/NDF:4957392.1/30

All: 535.379+/-0.069 χ^2/NDF: 9594269.4/59



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -280.681+/-499.273 χ^2/NDF:17.2/12

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: 20.900+/-486.208 χ^2/NDF:6.2/12

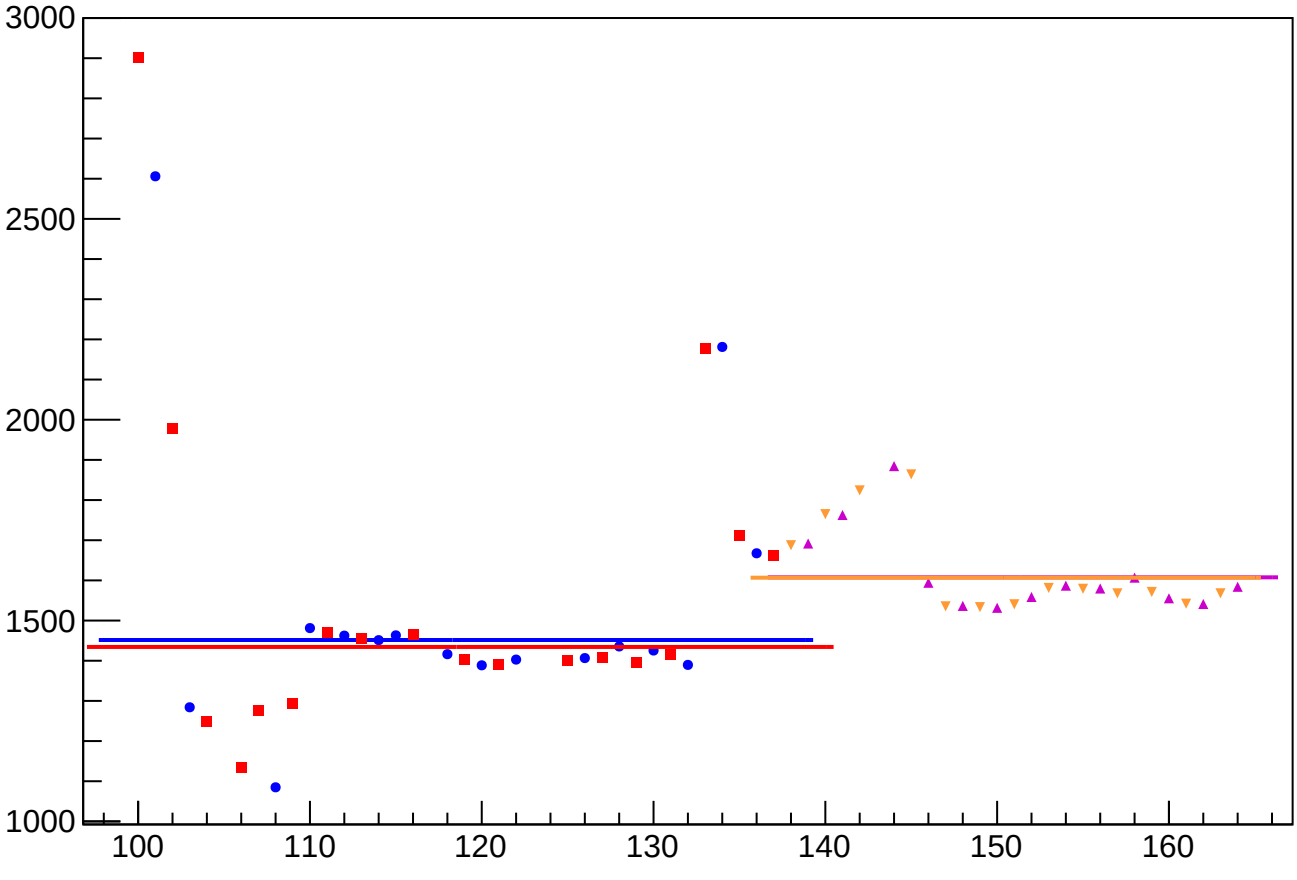
Left: -125.893+/-348.328 χ^2/NDF: 23.6/25

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 262.956+/-364.171 χ^2/NDF:27.5/28

Out: -177.208+/-368.254 χ^2/NDF:39.8/30

All: 45.328+/-258.939 χ^2/NDF: 68.1/59



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1606.742+/-0.353 χ^2/NDF:77740.4/12

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1607.615+/-0.344 χ^2/NDF:72567.0/12

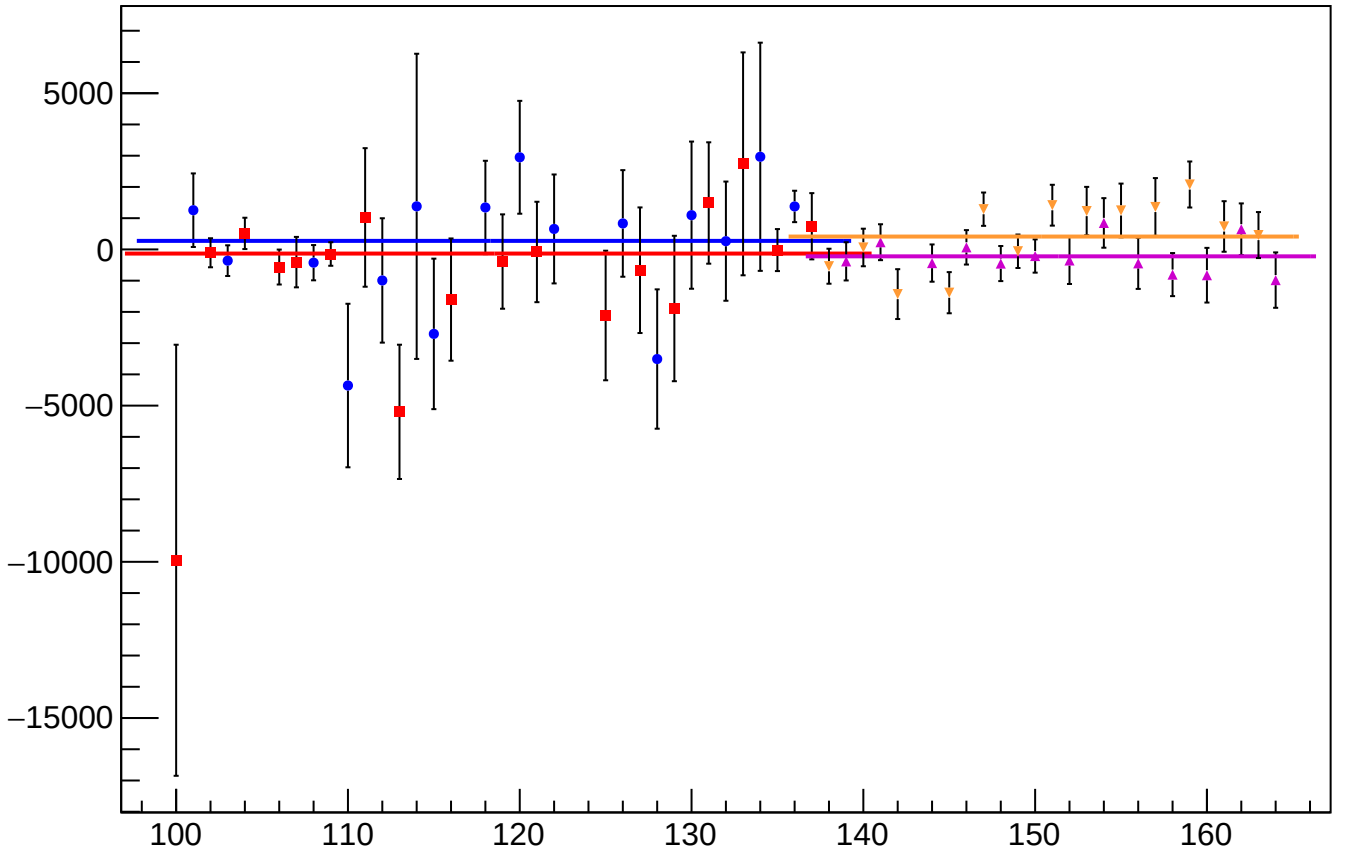
Left: 1607.190+/-0.246 χ^2/NDF: 150310.6/25

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1539.116+/-0.258 χ^2/NDF:650829.4/28

Out: 1528.123+/-0.260 χ^2/NDF:515092.9/30

All: 1533.681+/-0.183 χ^2/NDF: 1166823.4/59



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 411.876+/-187.088 χ^2/NDF:30.2/12

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -221.453+/-184.110 χ^2/NDF:6.2/12

Left: 90.133+/-131.226 χ^2/NDF: 42.2/25

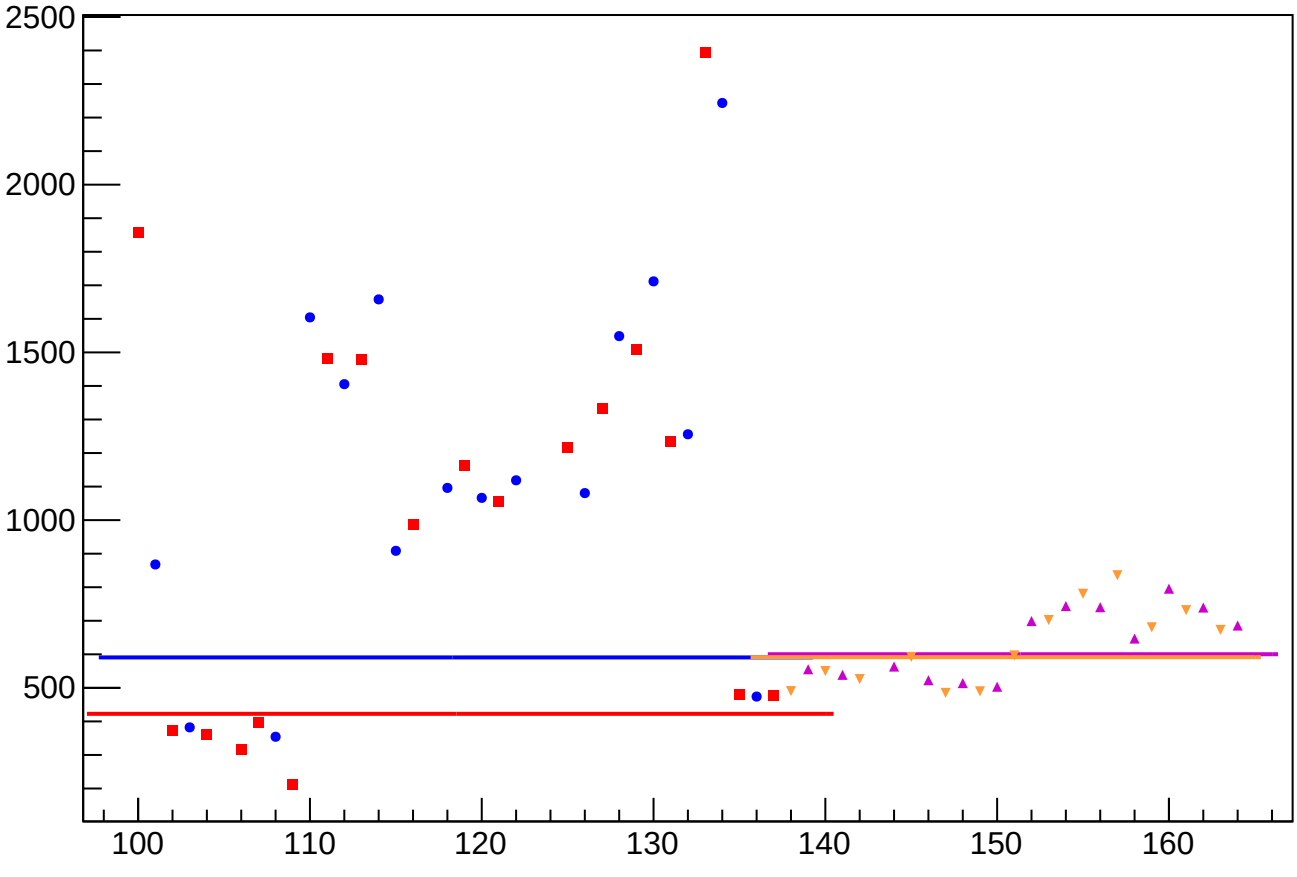
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -56.628+/-150.357 χ^2/NDF:28.8/28

Out: 152.219+/-135.310 χ^2/NDF:48.7/30

All: 58.766+/-100.579 χ^2/NDF: 78.6/59

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 591.418+/-0.132 χ^2/NDF:630597.7/12

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 600.253+/-0.130 χ^2/NDF:536772.4/12

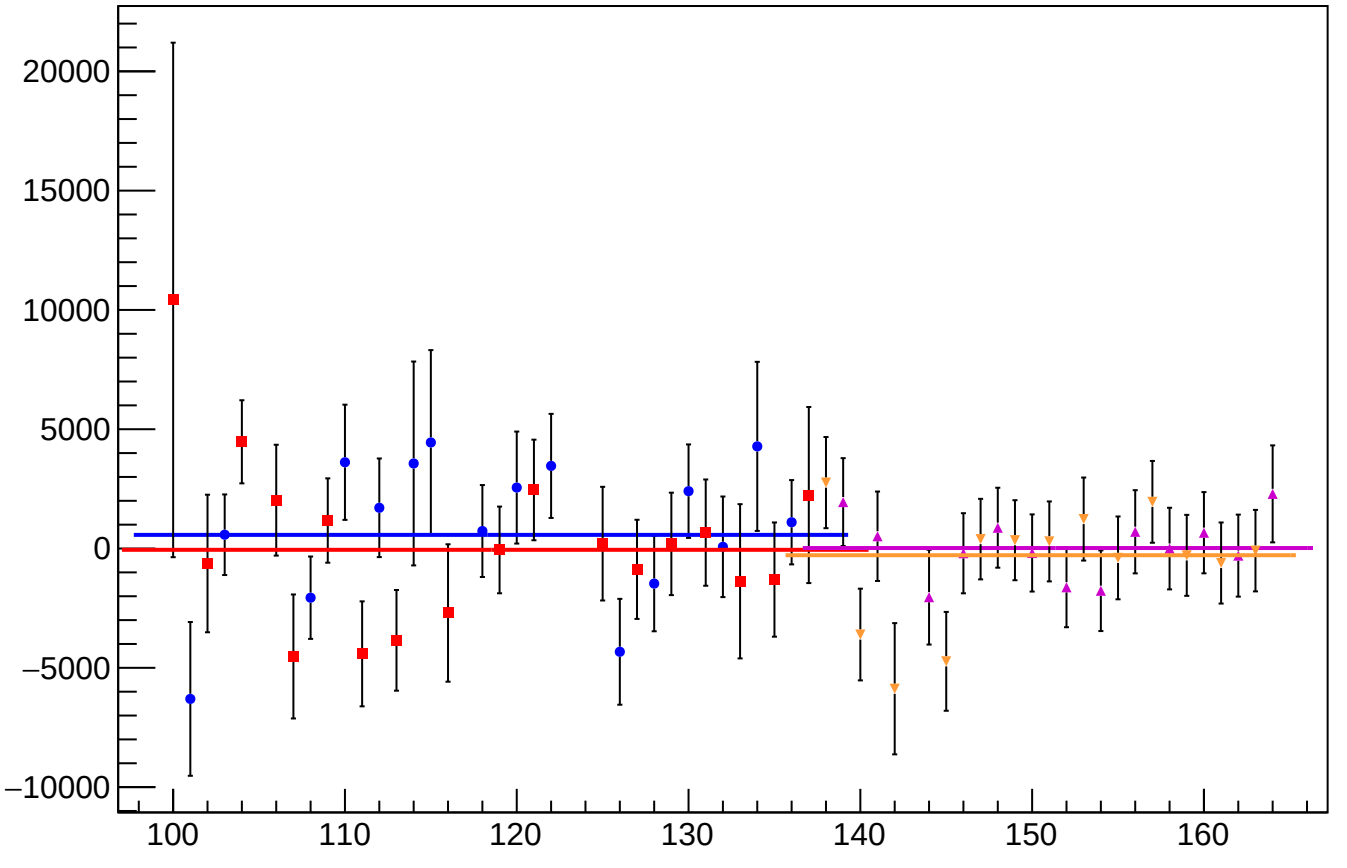
Left: 595.906+/-0.093 χ^2/NDF: 1169635.9/25

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 597.087+/-0.106 χ^2/NDF:4424049.3/28

Out: 510.919+/-0.096 χ^2/NDF:6264986.8/30

All: 549.477+/-0.071 χ^2/NDF: 11051970.8/59



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -280.689+/-499.273 χ^2/NDF:17.2/12

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: 20.901+/-486.208 χ^2/NDF:6.2/12

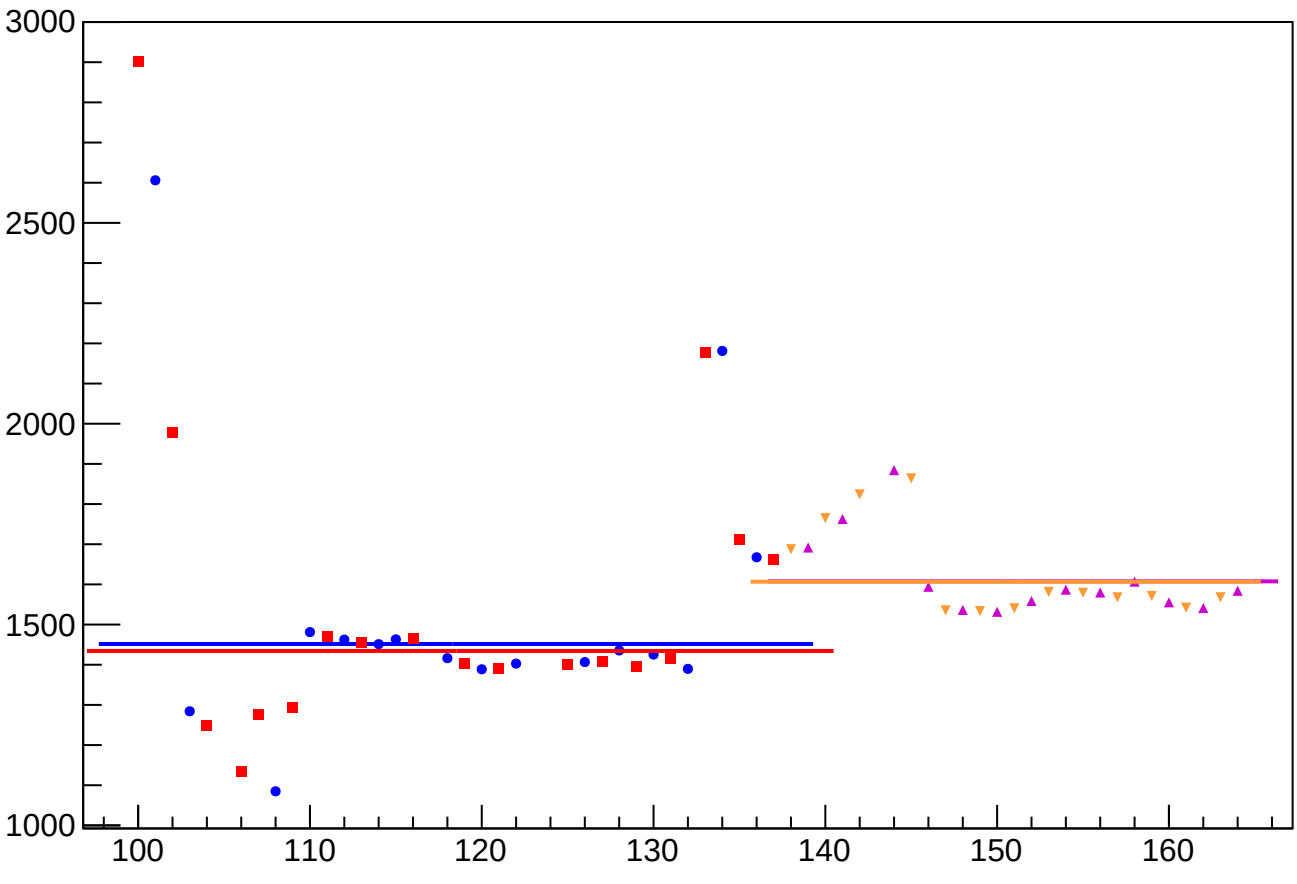
Left: -125.896+/-348.328 χ^2/NDF: 23.6/25

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 262.957+/-364.171 χ^2/NDF:27.5/28

Out: -177.212+/-368.254 χ^2/NDF:39.8/30

All: 45.326+/-258.939 χ^2/NDF: 68.1/59



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1606.742+/-0.353 χ^2/NDF:77740.6/12

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1607.615+/-0.344 χ^2/NDF:72567.2/12

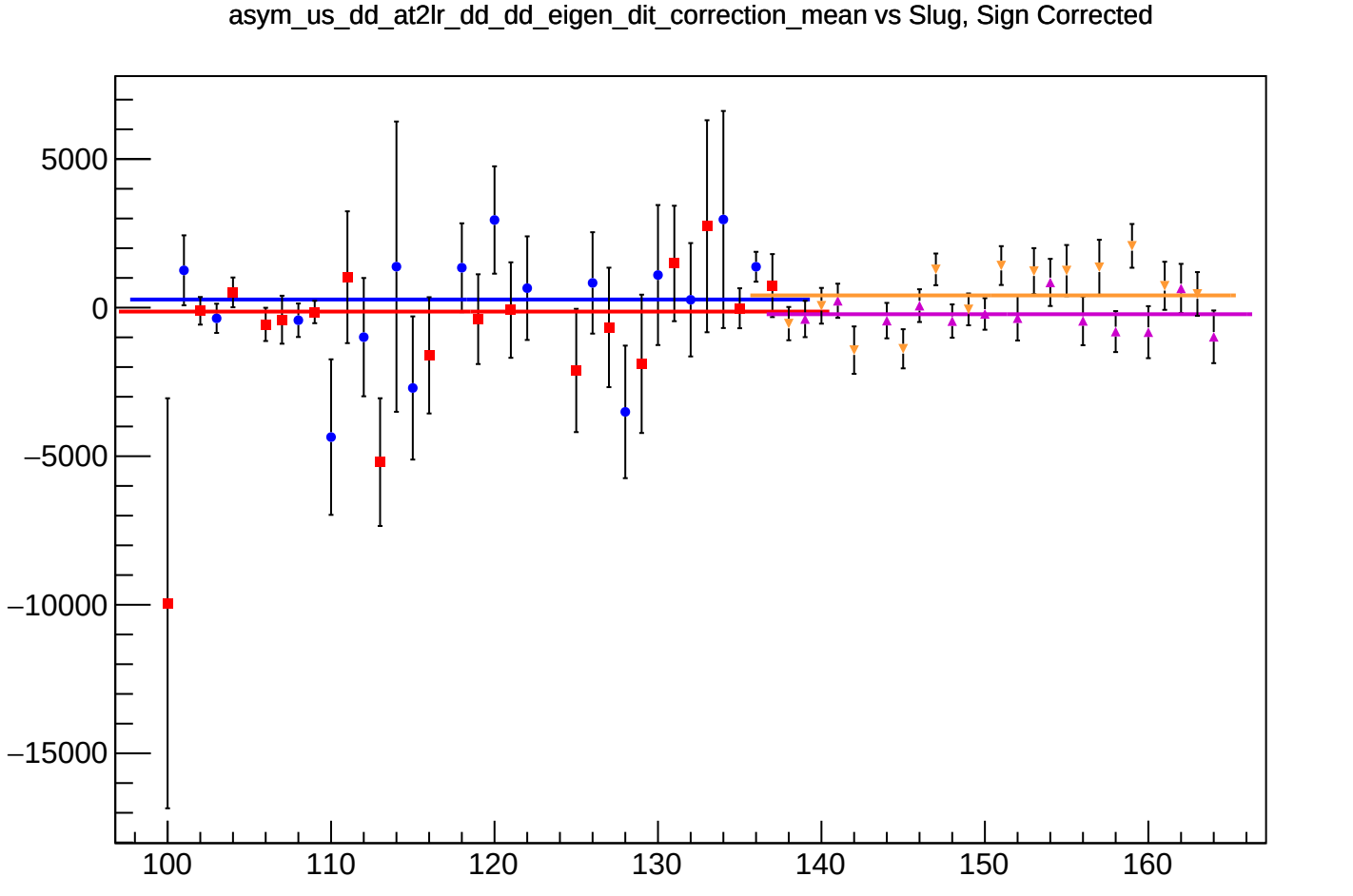
Left: 1607.190+/-0.246 χ^2/NDF: 150311.0/25

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1539.116+/-0.258 χ^2/NDF:650829.1/28

Out: 1528.123+/-0.260 χ^2/NDF:515093.3/30

All: 1533.681+/-0.183 χ^2/NDF: 1166823.5/59



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 411.883+/-187.088 χ^2/NDF:30.2/12

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -221.455+/-184.111 χ^2/NDF:6.2/12

Left: 90.134+/-131.226 χ^2/NDF: 42.2/25

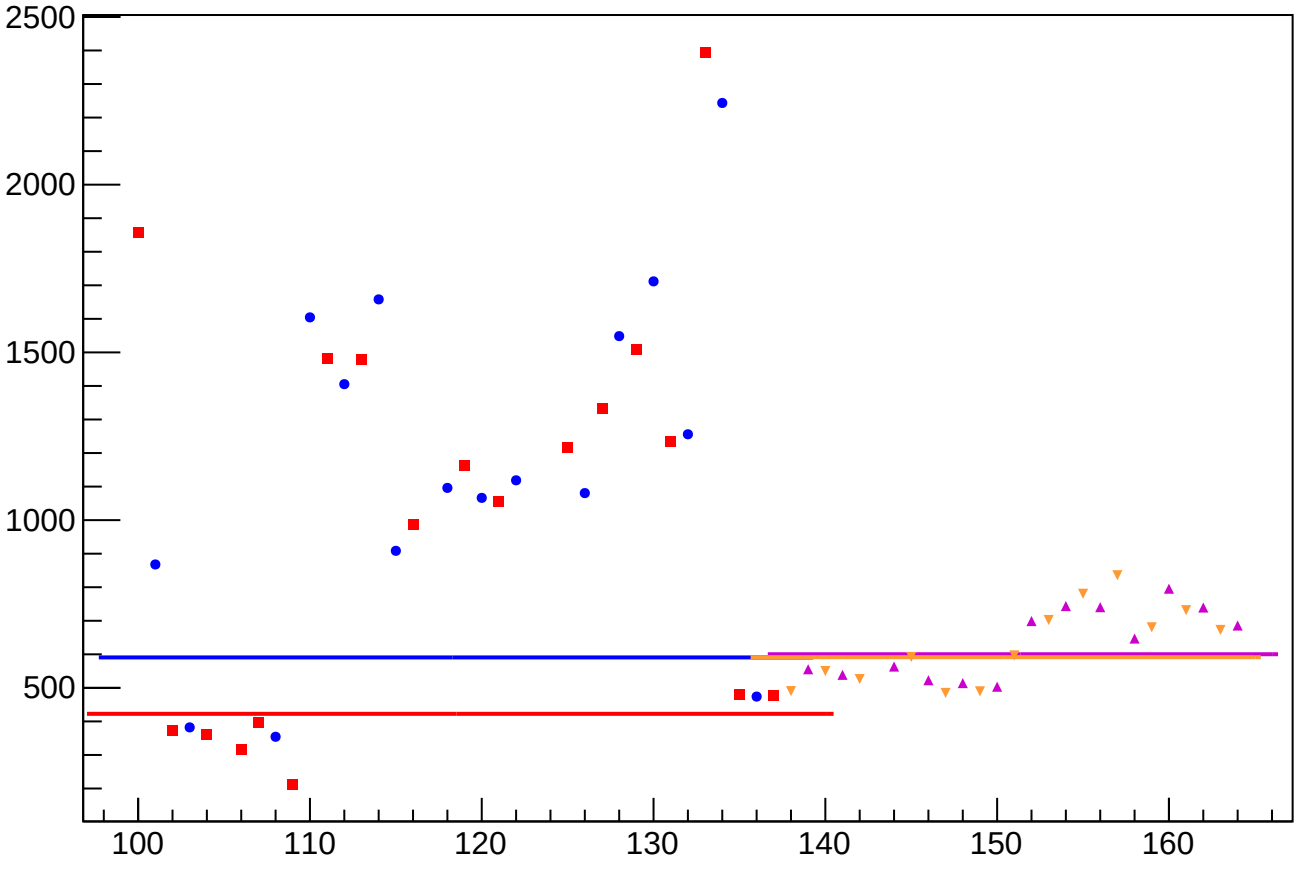
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -56.632+/-150.357 χ^2/NDF:28.8/28

Out: 152.226+/-135.311 χ^2/NDF:48.7/30

All: 58.767+/-100.579 χ^2/NDF: 78.6/59

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: 591.420+/-0.132 χ^2/NDF:630578.1/12

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 600.253+/-0.130 χ^2/NDF:536788.3/12

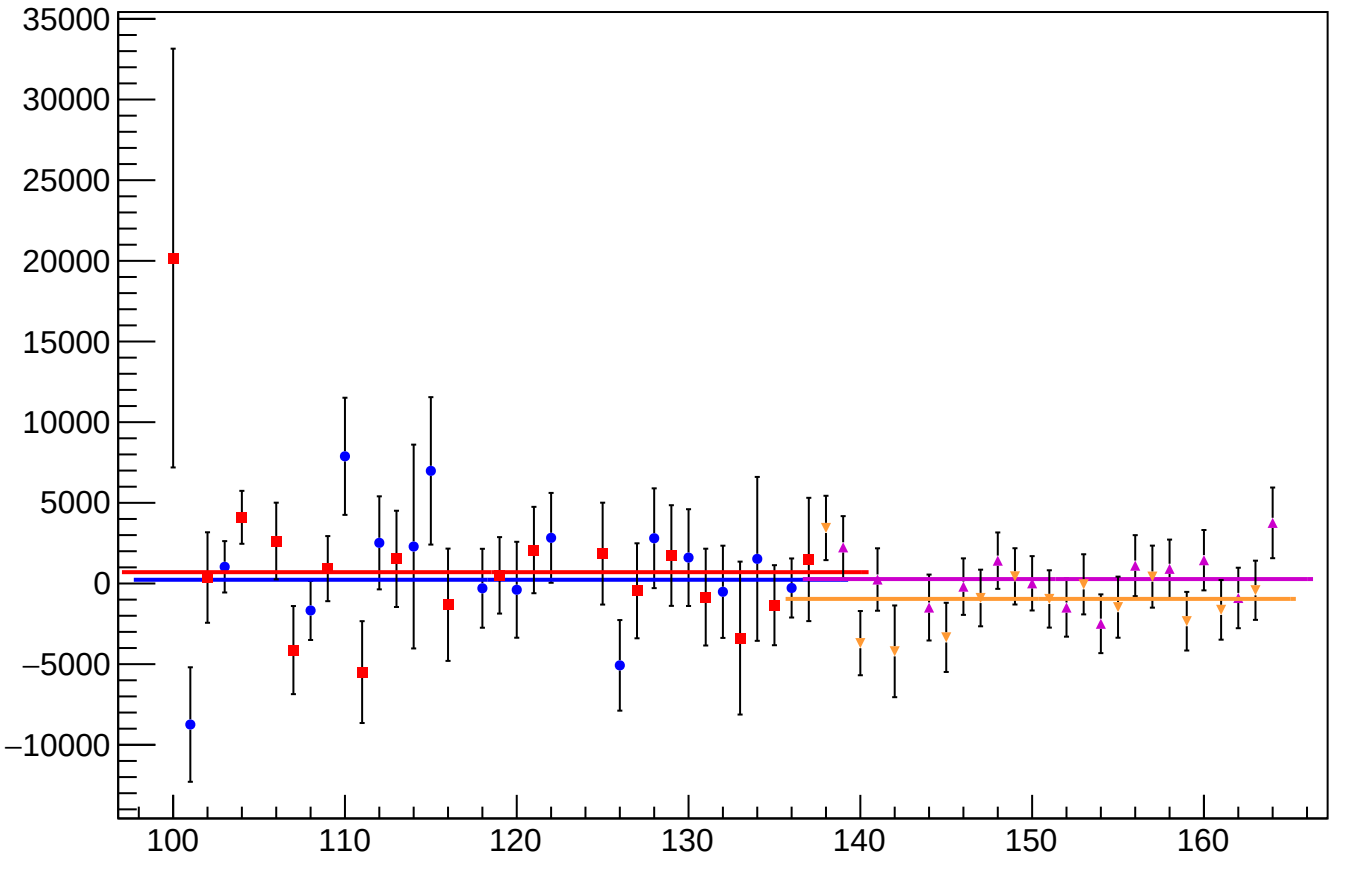
Left: 595.908+/-0.093 χ^2/NDF: 1169631.2/25

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 597.087+/-0.106 χ^2/NDF:4424094.8/28

Out: 510.924+/-0.096 χ^2/NDF:6264851.3/30

All: 549.480+/-0.071 χ^2/NDF: 11051840.4/59



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -954.770+/-531.118 χ^2/NDF:11.6/12

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 274.410+/-516.393 χ^2/NDF:9.2/12

Left: -322.904+/-370.241 χ^2/NDF: 23.5/25

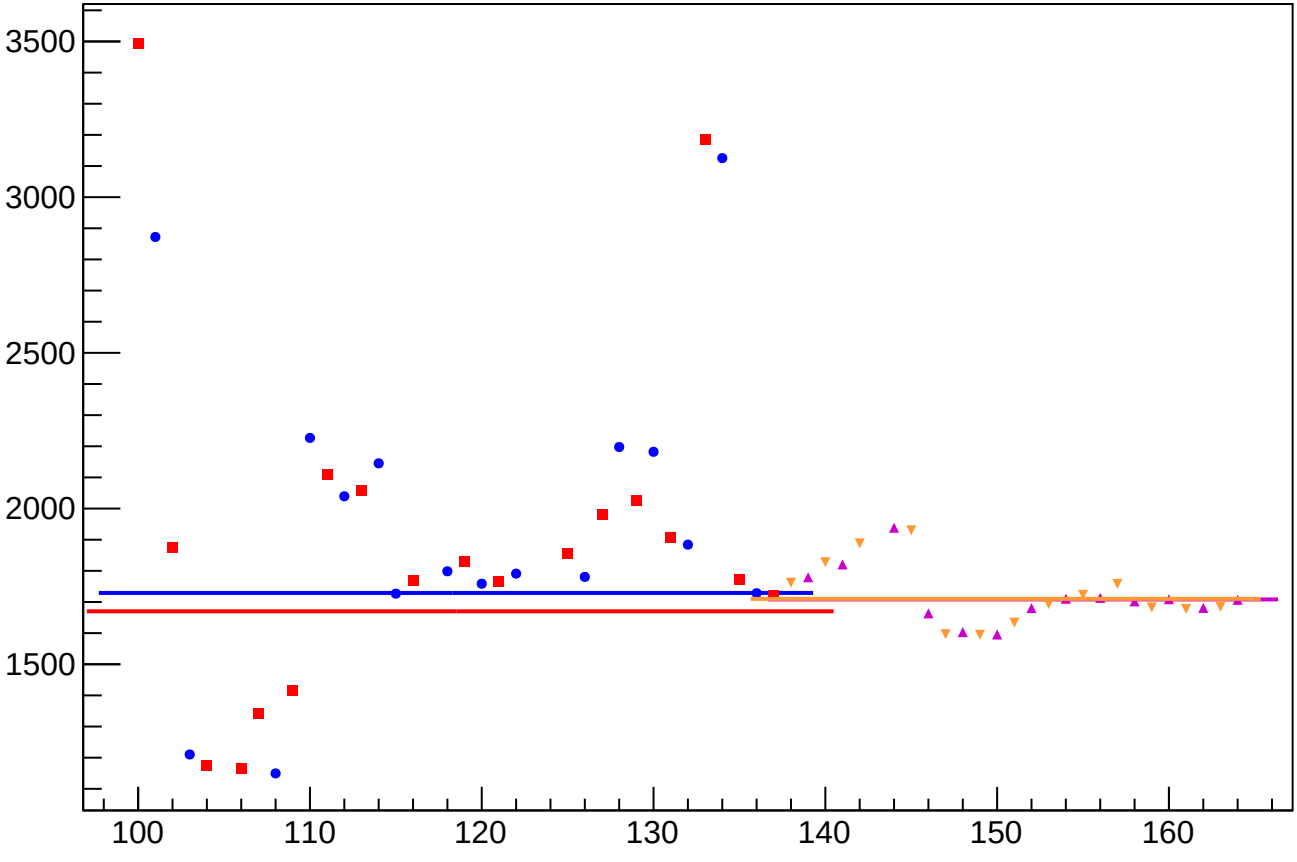
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 258.029+/-408.148 χ^2/NDF:29.9/28

Out: -289.301+/-410.853 χ^2/NDF:32.5/30

All: -13.828+/-289.556 χ^2/NDF: 63.3/59

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: 1710.021+/-0.376 χ^2/NDF:61014.3/12

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1708.150+/-0.365 χ^2/NDF:53232.1/12

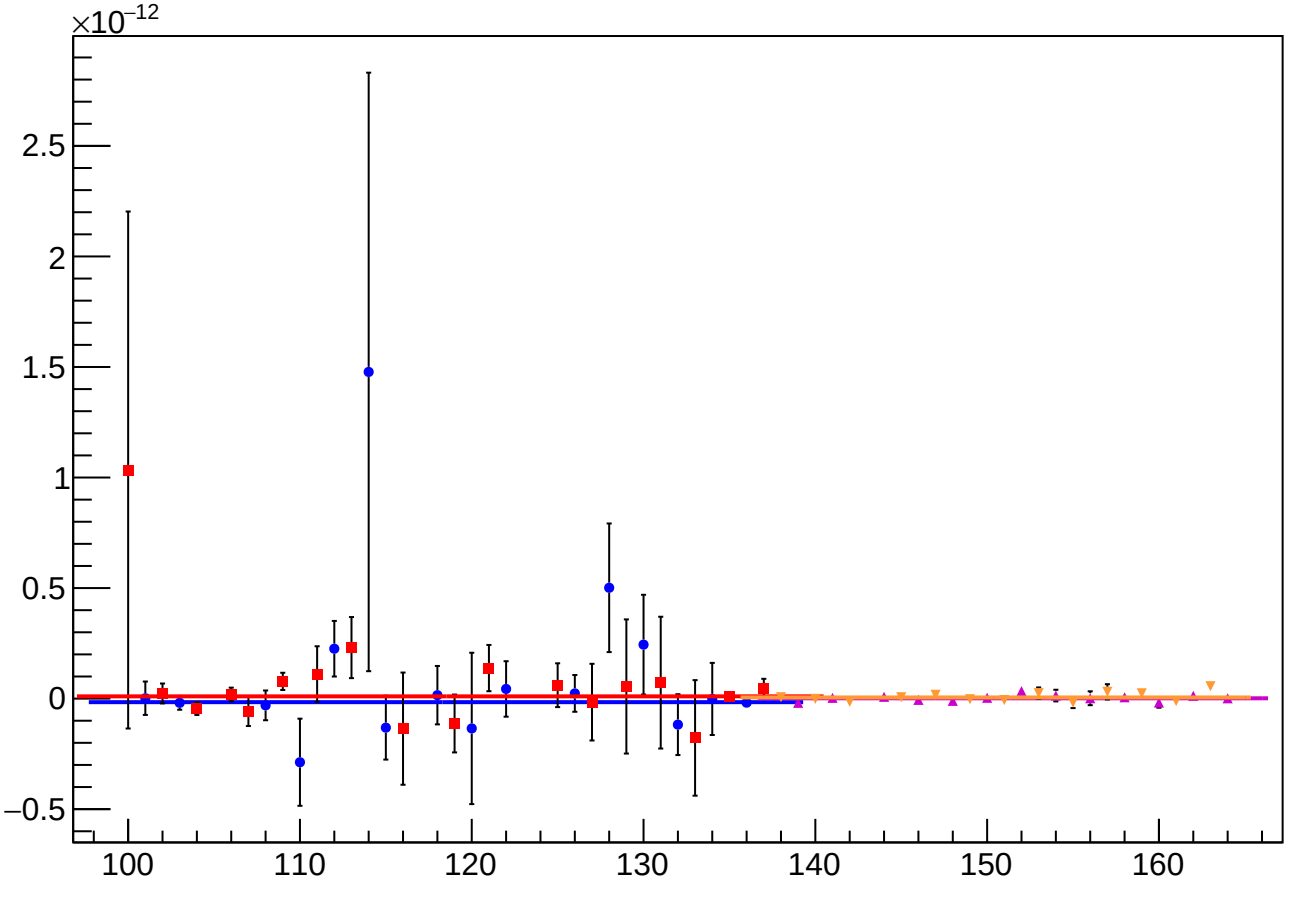
Left: 1709.059+/-0.262 χ^2/NDF: 114259.1/25

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1715.994+/-0.289 χ^2/NDF:996540.6/28

Out: 1693.971+/-0.291 χ^2/NDF:810014.1/30

All: 1705.055+/-0.205 χ^2/NDF: 1809446.9/59



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:6.8/12

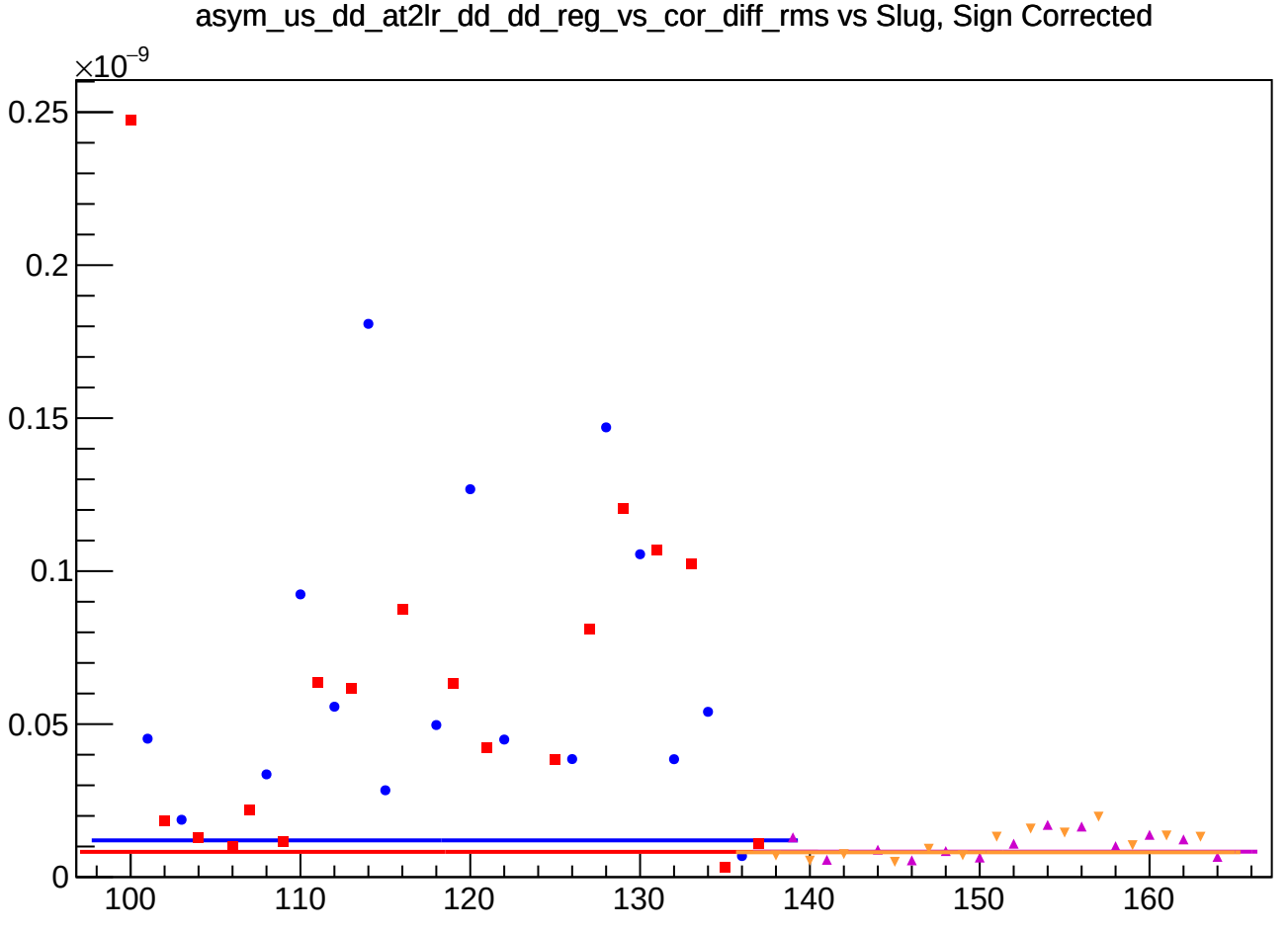
Left: 0.000+/-0.000 χ^2/NDF: 19.4/25

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:22.6/28

Out: 0.000+/-0.000 χ^2/NDF:28.8/30

All: 0.000+/-0.000 χ^2/NDF: 53.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1362824.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1108016.3/12

Left: 0.000+/-0.000 χ^2/NDF: 2473011.2/25

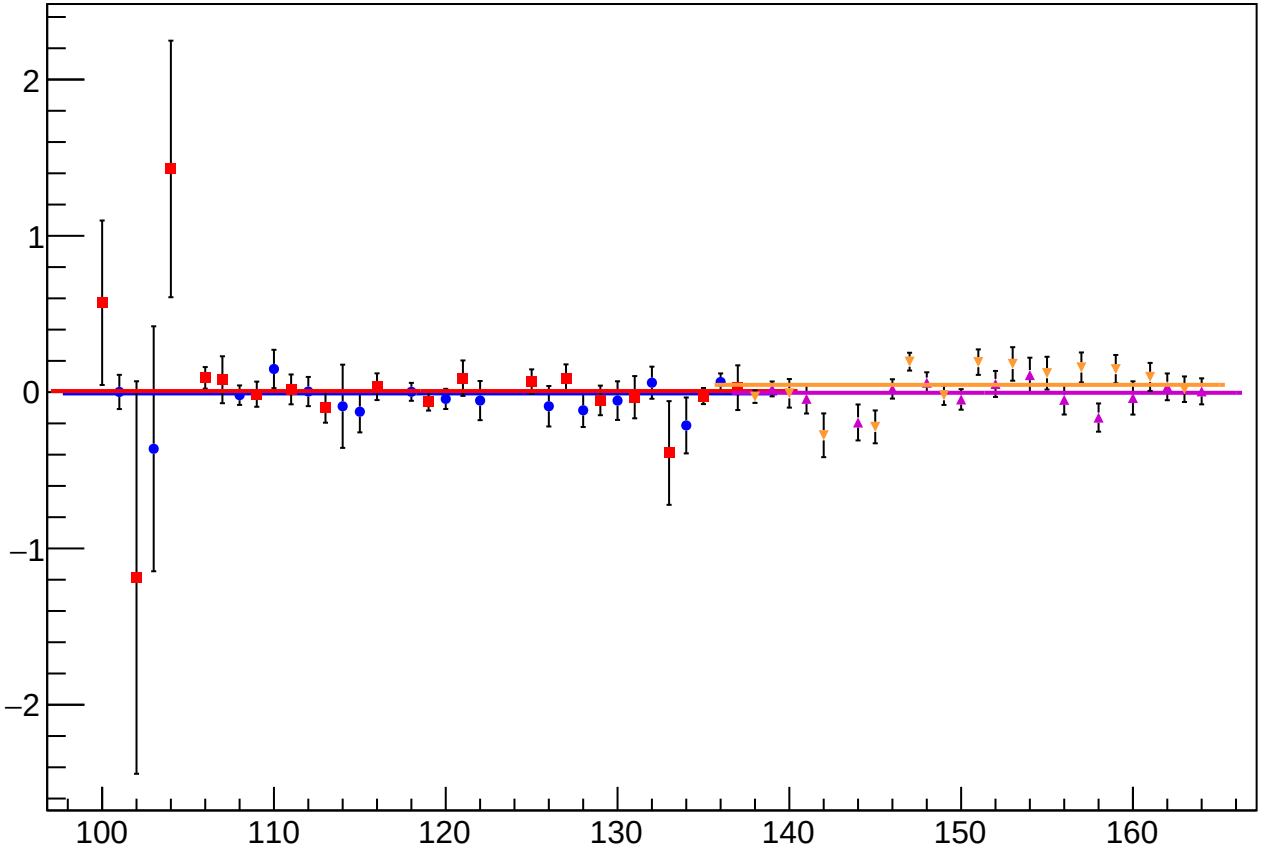
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4756225.0/28

Out: 0.000+/-0.000 χ^2/NDF:4873375.7/30

All: 0.000+/-0.000 χ^2/NDF: 9662321.4/59

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: 0.047+/-0.021 χ^2/NDF:32.0/12

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.004+/-0.021 χ^2/NDF:9.8/12

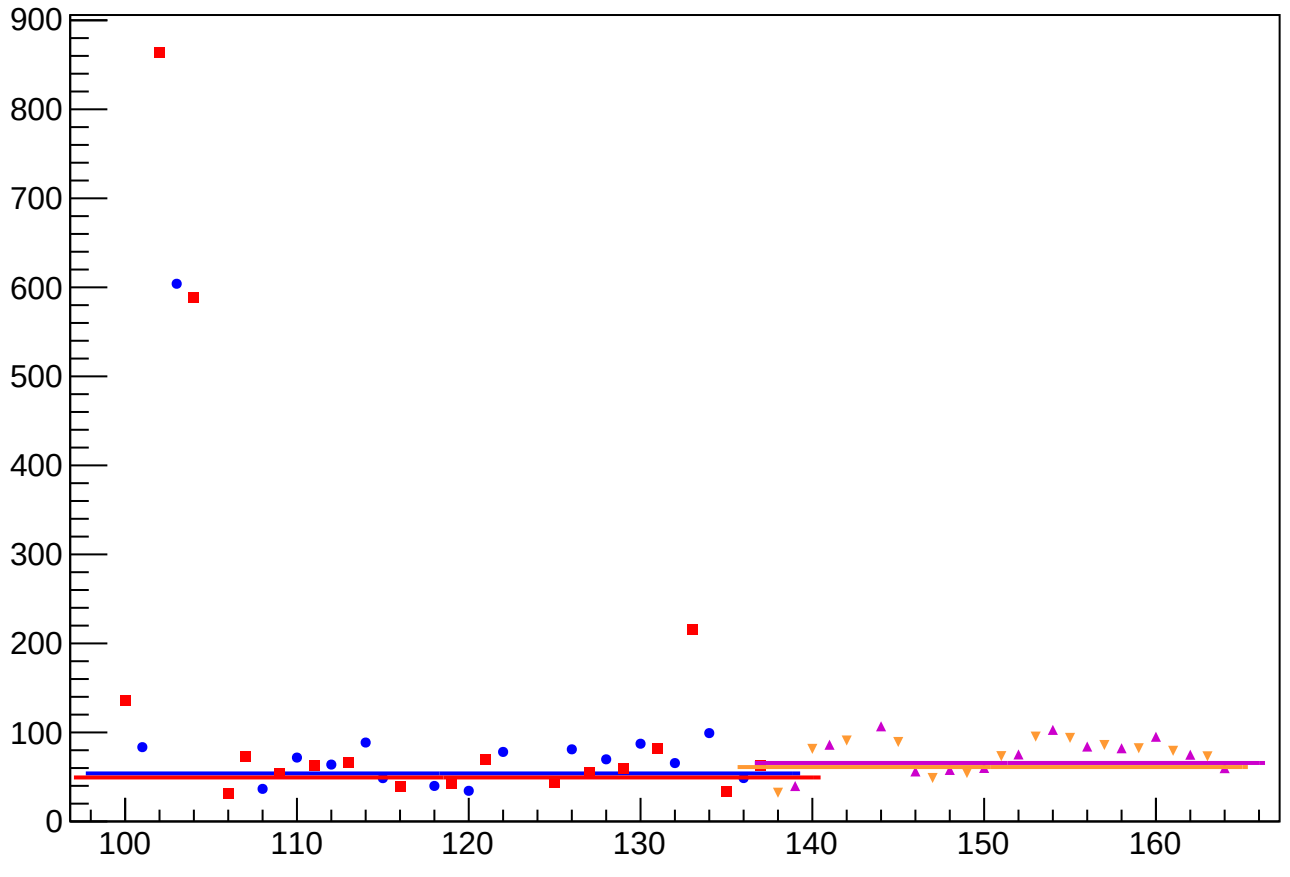
Left: 0.022+/-0.015 χ^2/NDF: 44.7/25

Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.006+/-0.016 χ^2/NDF:18.1/28

Out: 0.028+/-0.015 χ^2/NDF:47.3/30

All: 0.012+/-0.011 χ^2/NDF: 67.9/59



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 61.104+/-0.015 χ^2/NDF:2304779.1/12

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 65.702+/-0.015 χ^2/NDF:1613185.9/12

Left: 63.346+/-0.011 χ^2/NDF: 3965190.2/25

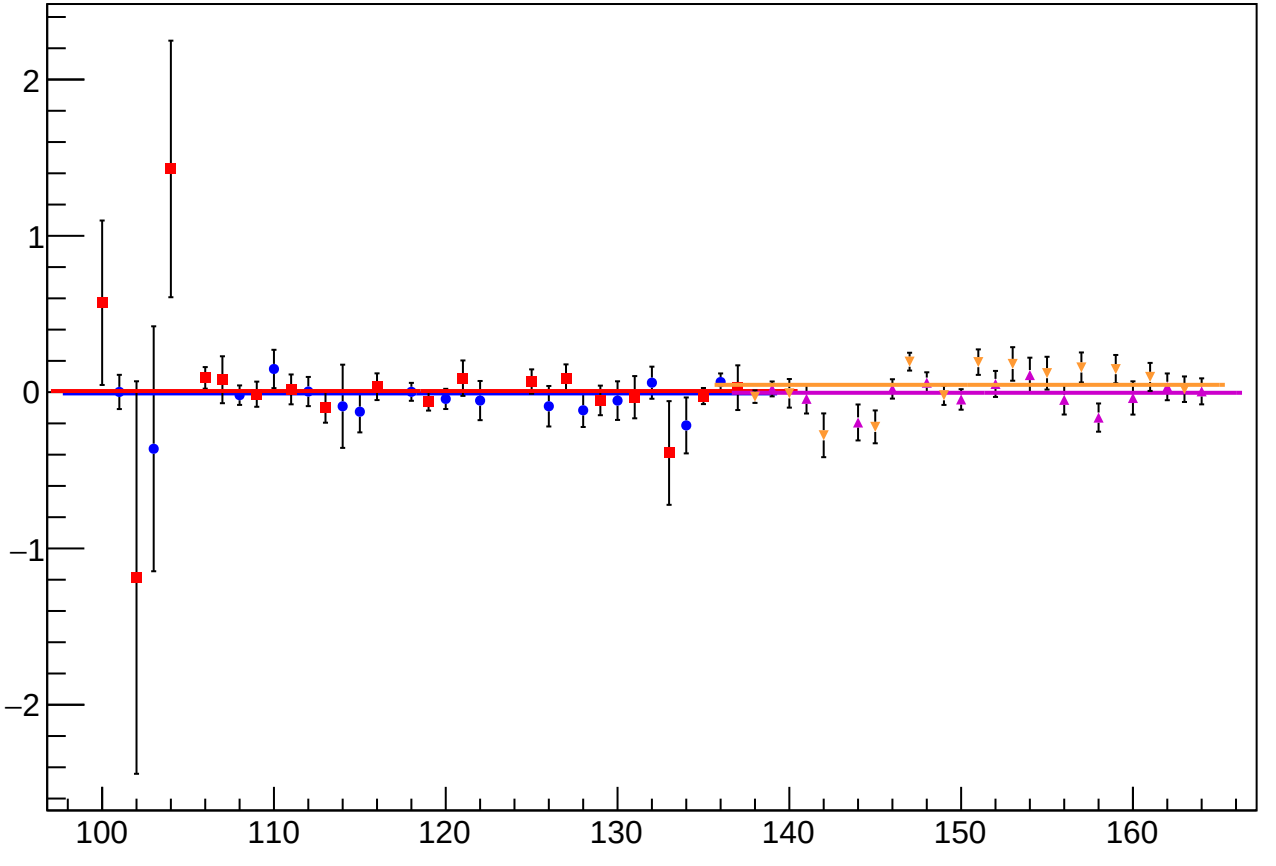
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 60.260+/-0.011 χ^2/NDF:4106904.8/28

Out: 55.620+/-0.011 χ^2/NDF:5615872.6/30

All: 57.868+/-0.008 χ^2/NDF: 9812759.7/59

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: 0.047+/-0.021 χ^2/NDF:32.0/12

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.004+/-0.021 χ^2/NDF:9.8/12

Left: 0.022+/-0.015 χ^2/NDF: 44.7/25

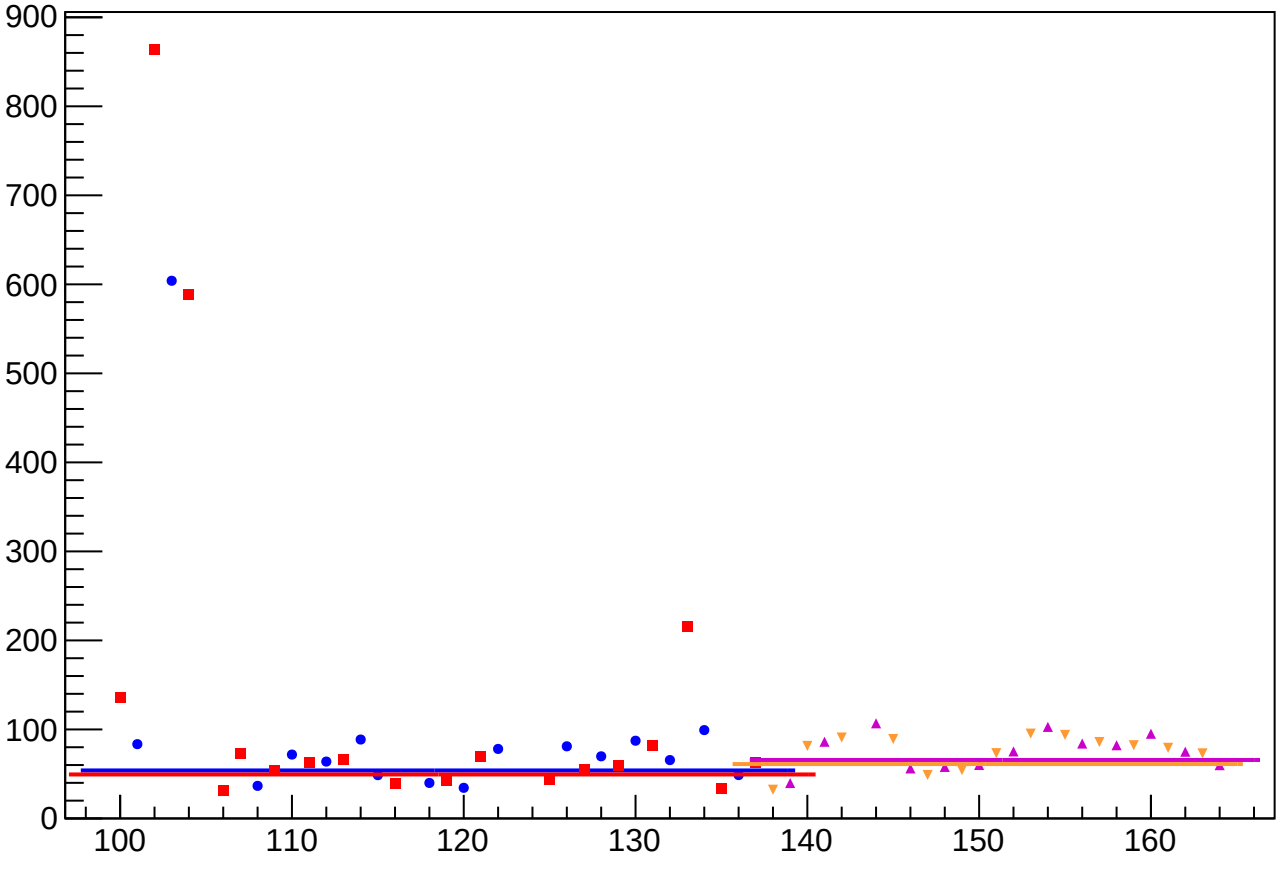
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.006+/-0.016 χ^2/NDF:18.1/28

Out: 0.028+/-0.015 χ^2/NDF:47.3/30

All: 0.012+/-0.011 χ^2/NDF: 67.9/59

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: 61.104+/-0.015 χ^2/NDF:2304779.1/12

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 65.702+/-0.015 χ^2/NDF:1613185.9/12

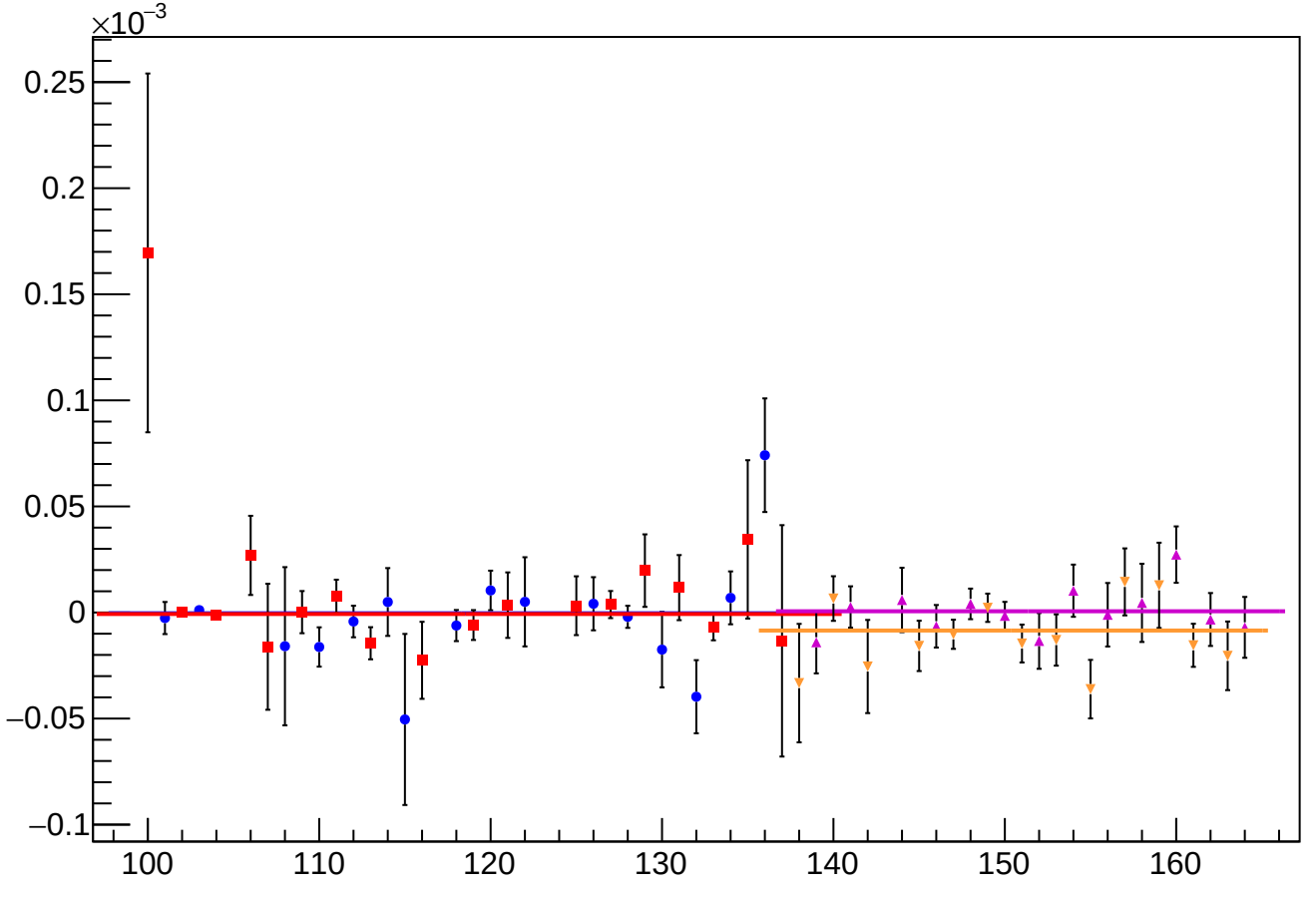
Left: 63.346+/-0.011 χ^2/NDF: 3965190.2/25

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 60.260+/-0.011 χ^2/NDF:4106904.8/28

Out: 55.620+/-0.011 χ^2/NDF:5615872.6/30

All: 57.868+/-0.008 χ^2/NDF: 9812759.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/12

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:8.2/12

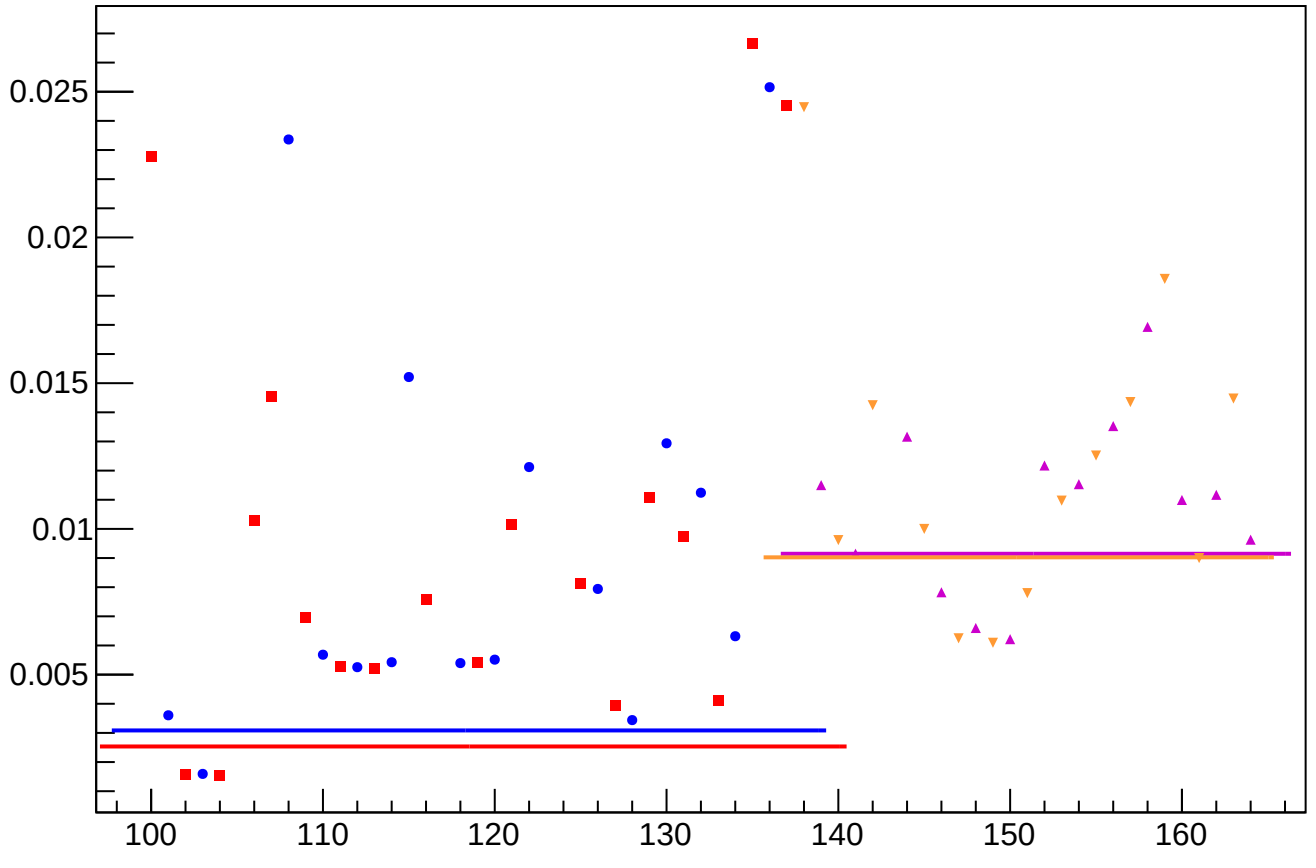
Left: -0.000+/-0.000 χ^2/NDF: 28.0/25

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: -0.000+/-0.000 χ^2/NDF:30.4/28

Out: -0.000+/-0.000 χ^2/NDF:38.7/30

All: -0.000+/-0.000 χ^2/NDF: 70.0/59



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2582803.8/12

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.009+/-0.000 χ^2/NDF:1676485.7/12

Left: 0.009+/-0.000 χ^2/NDF: 4260903.8/25

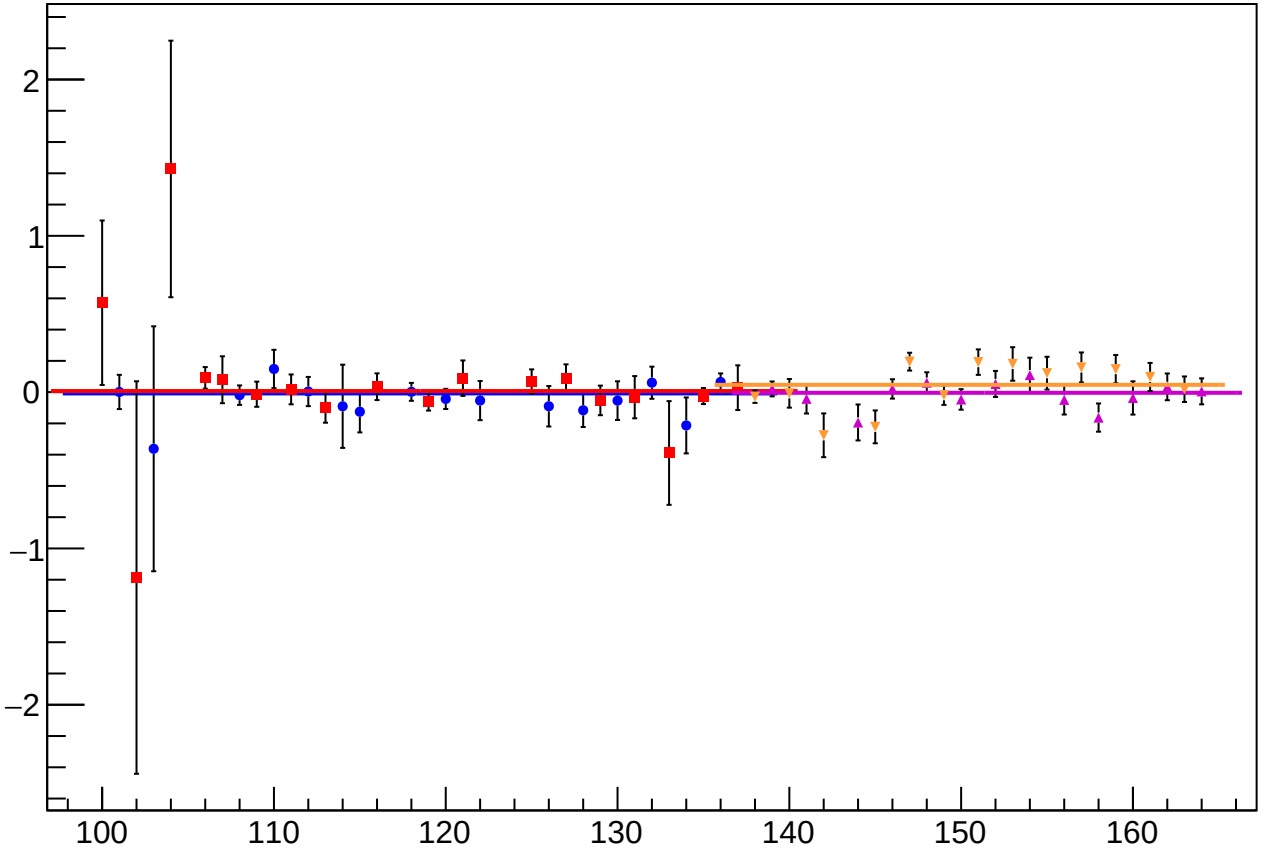
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:13662757.3/28

Out: 0.003+/-0.000 χ^2/NDF:16558814.6/30

All: 0.004+/-0.000 χ^2/NDF: 30733349.7/59

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: 0.047+/-0.021 χ^2/NDF:32.0/12

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.004+/-0.021 χ^2/NDF:9.8/12

Left: 0.022+/-0.015 χ^2/NDF: 44.7/25

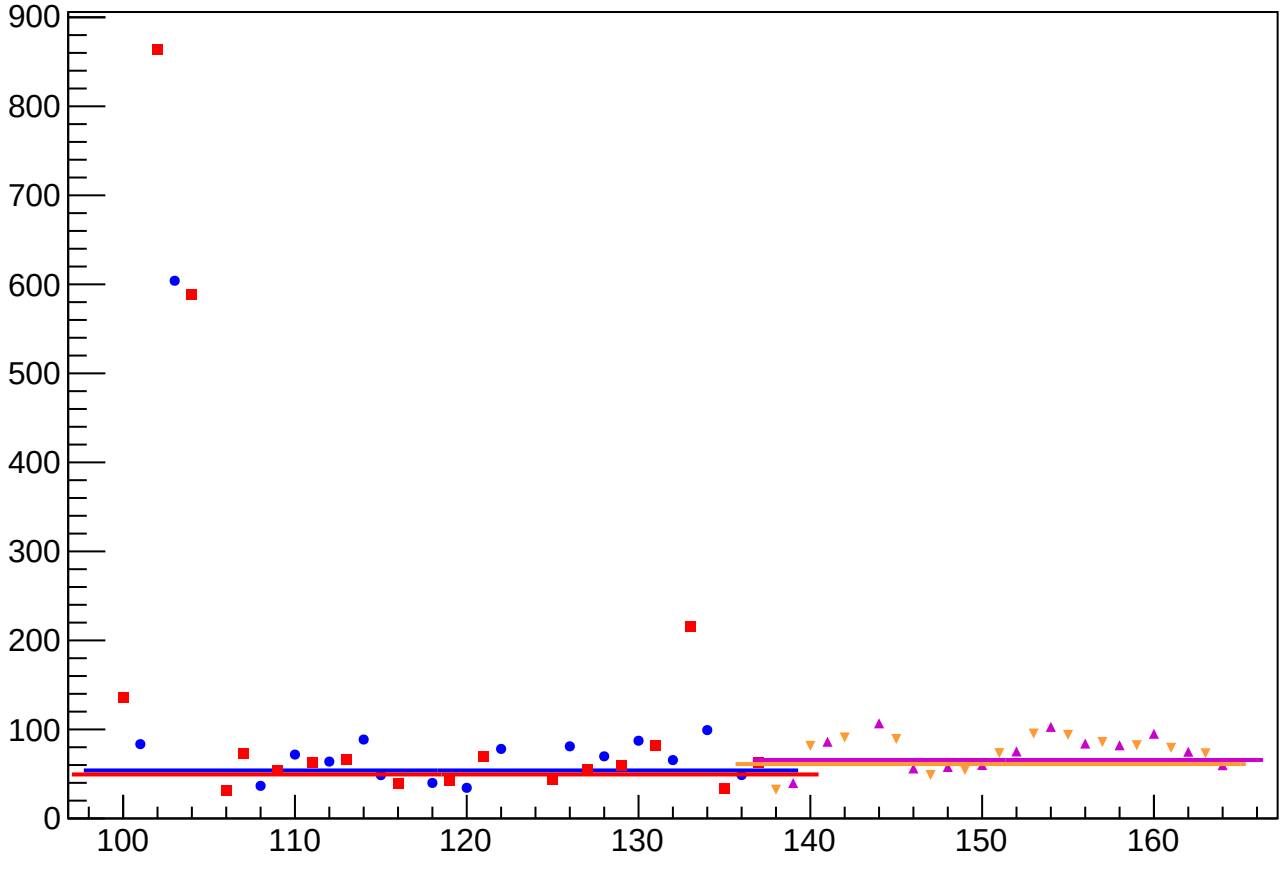
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.006+/-0.016 χ^2/NDF:18.1/28

Out: 0.028+/-0.015 χ^2/NDF:47.3/30

All: 0.012+/-0.011 χ^2/NDF: 67.9/59

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: 61.107+/-0.015 χ^2/NDF:2303907.6/12

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 65.701+/-0.015 χ^2/NDF:1613370.3/12

Left: 63.347+/-0.011 χ^2/NDF: 3964415.1/25

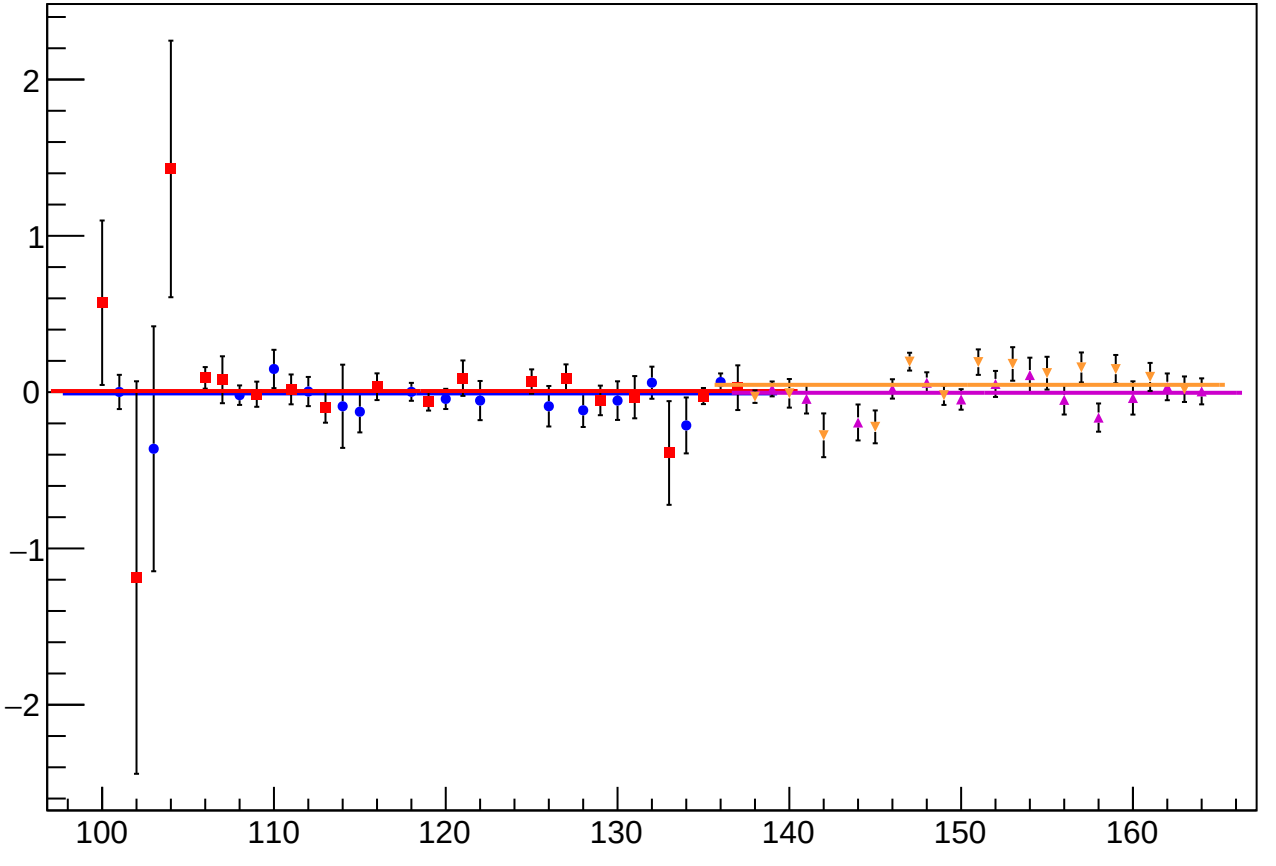
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 60.262+/-0.011 χ^2/NDF:4106462.3/28

Out: 55.623+/-0.011 χ^2/NDF:5614756.2/30

All: 57.870+/-0.008 χ^2/NDF: 9811146.1/59

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: 0.047+/-0.021 χ^2/NDF:32.0/12

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.004+/-0.021 χ^2/NDF:9.8/12

Left: 0.022+/-0.015 χ^2/NDF: 44.7/25

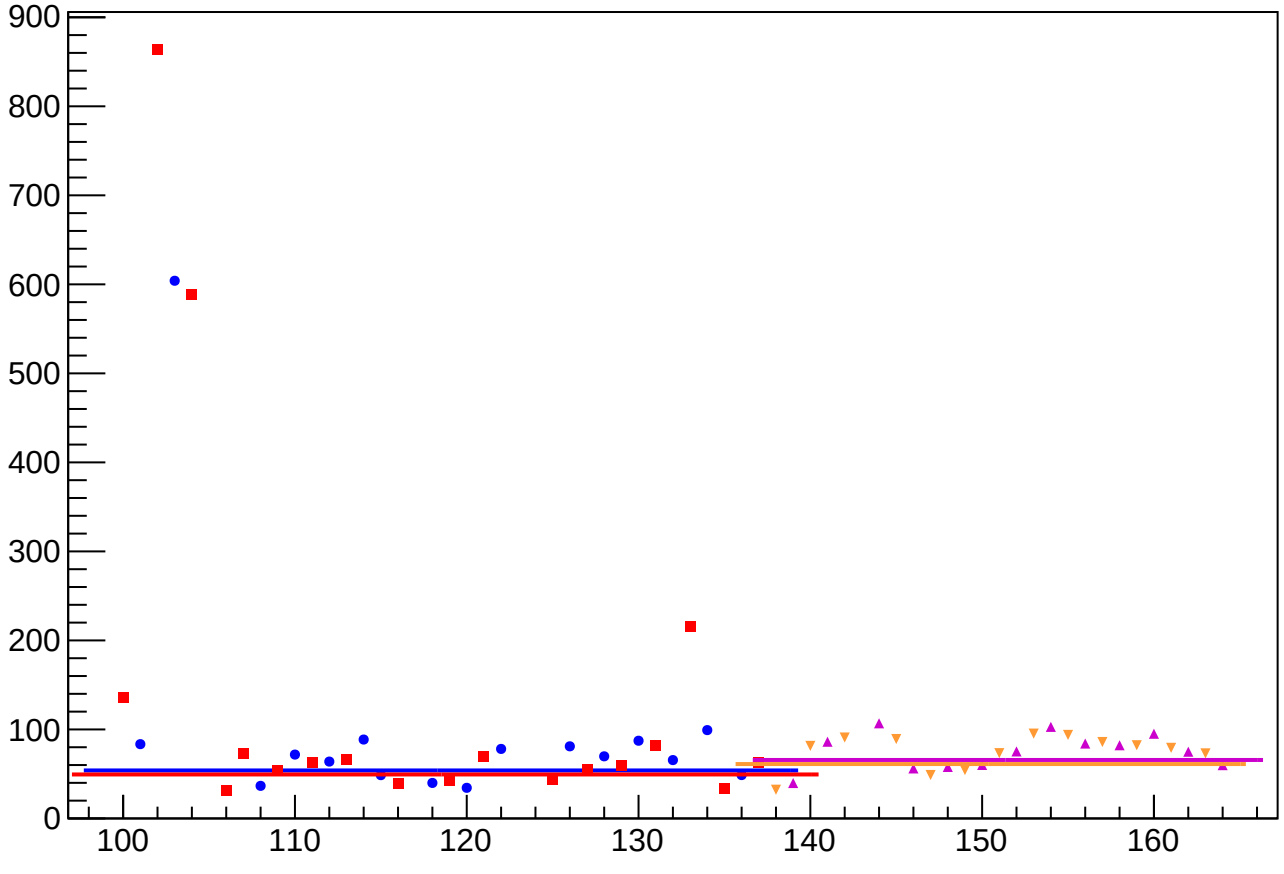
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.006+/-0.016 χ^2/NDF:18.1/28

Out: 0.028+/-0.015 χ^2/NDF:47.3/30

All: 0.012+/-0.011 χ^2/NDF: 67.9/59

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: 61.107+/-0.015 χ^2/NDF:2303907.6/12

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 65.701+/-0.015 χ^2/NDF:1613370.3/12

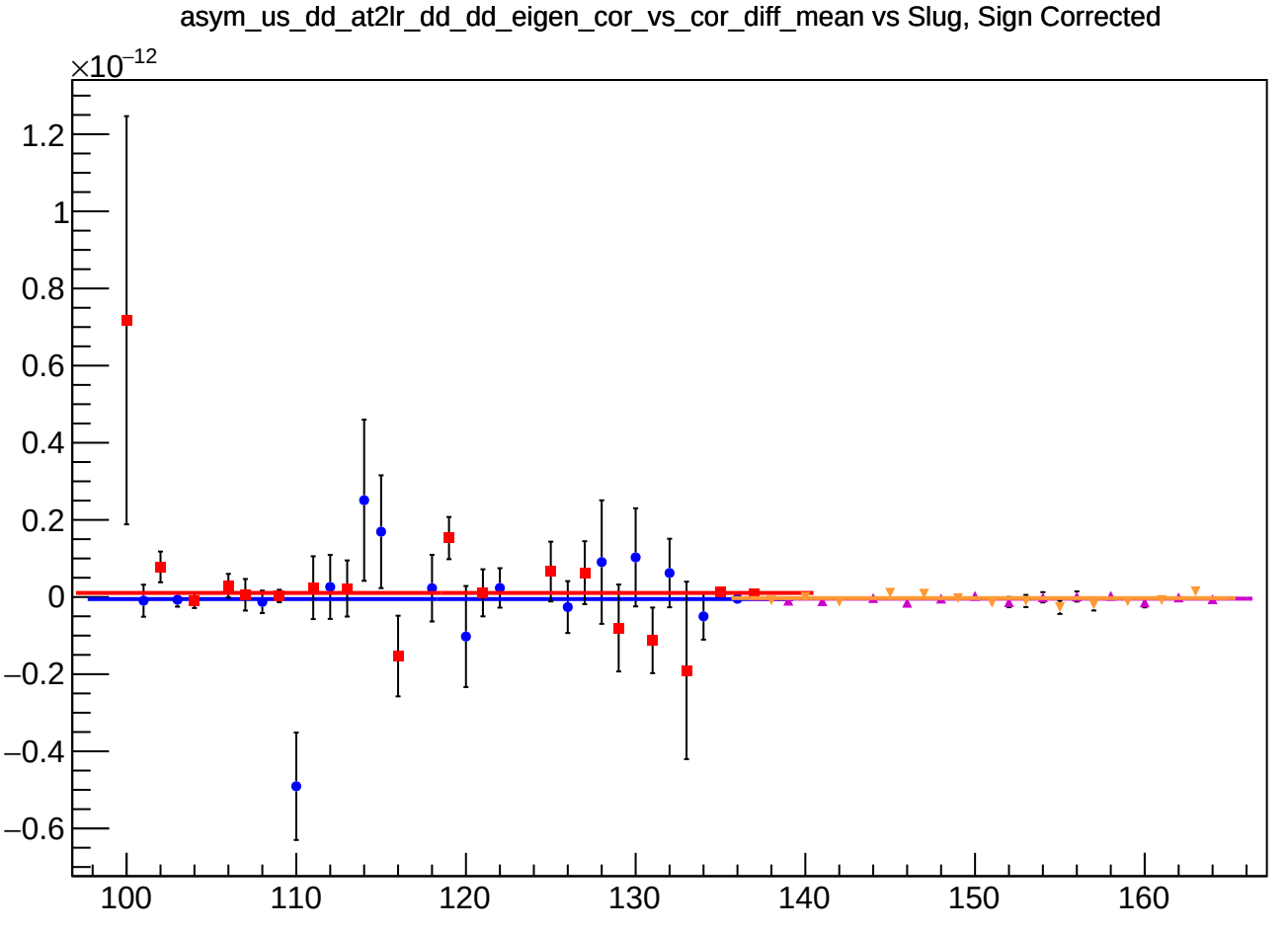
Left: 63.347+/-0.011 χ^2/NDF: 3964415.1/25

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 60.262+/-0.011 χ^2/NDF:4106462.3/28

Out: 55.623+/-0.011 χ^2/NDF:5614756.2/30

All: 57.870+/-0.008 χ^2/NDF: 9811146.1/59



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:6.0/12

Left: -0.000+/-0.000 χ^2/NDF: 20.3/25

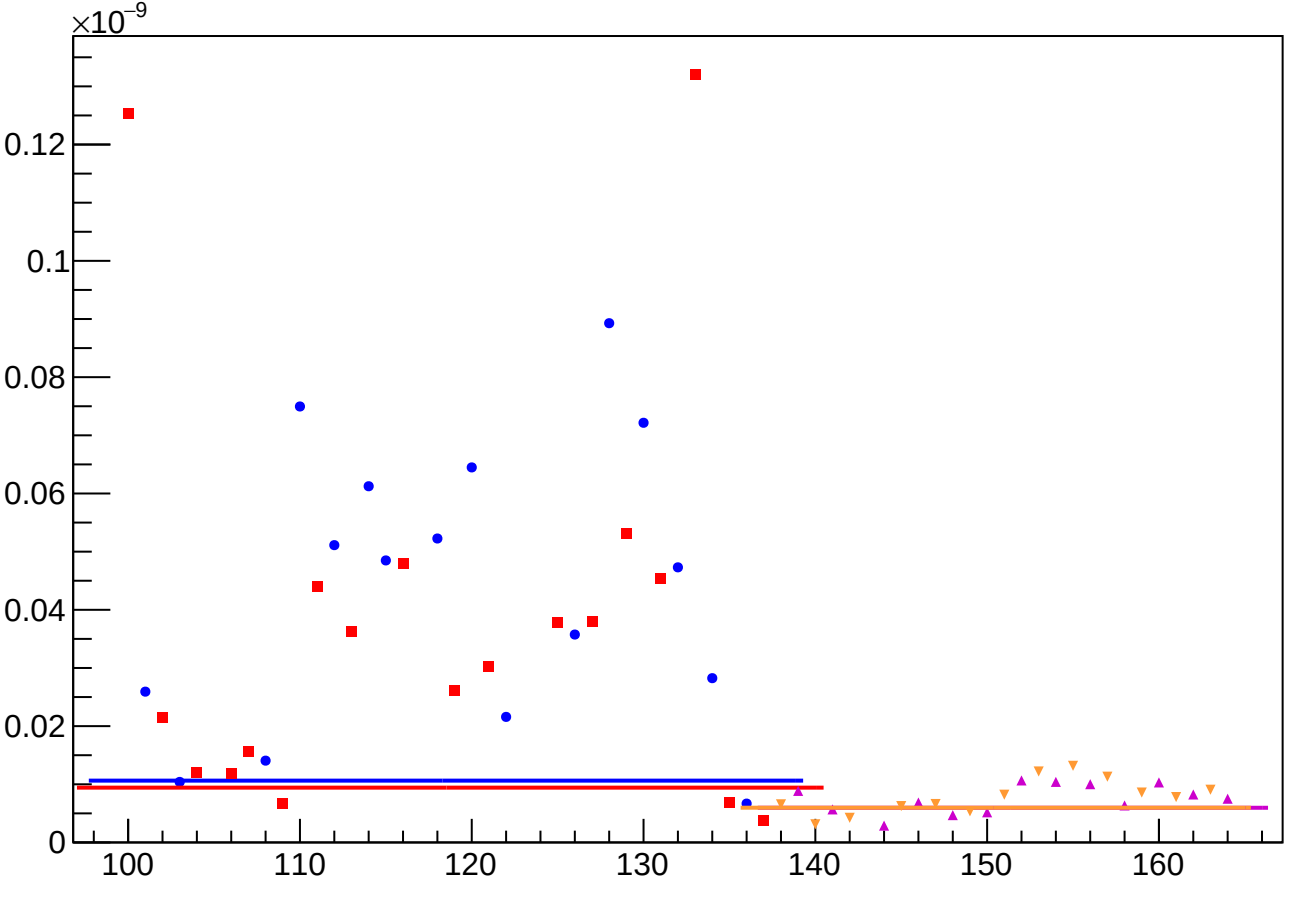
Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:24.6/28

Out: -0.000+/-0.000 χ^2/NDF:38.0/30

All: -0.000+/-0.000 χ^2/NDF: 63.6/59

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2194954.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:2057585.4/12

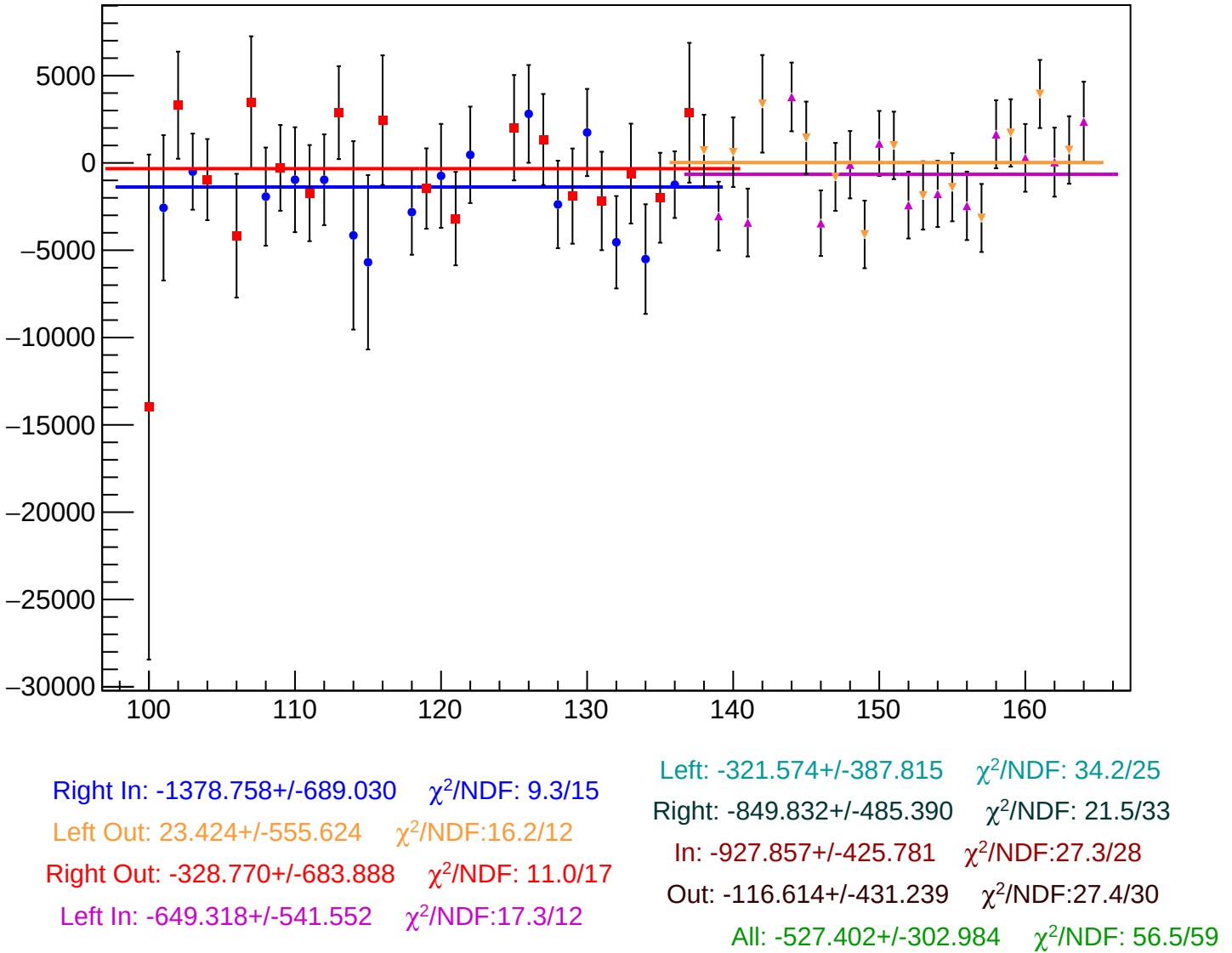
Left: 0.000+/-0.000 χ^2/NDF: 4252558.2/25

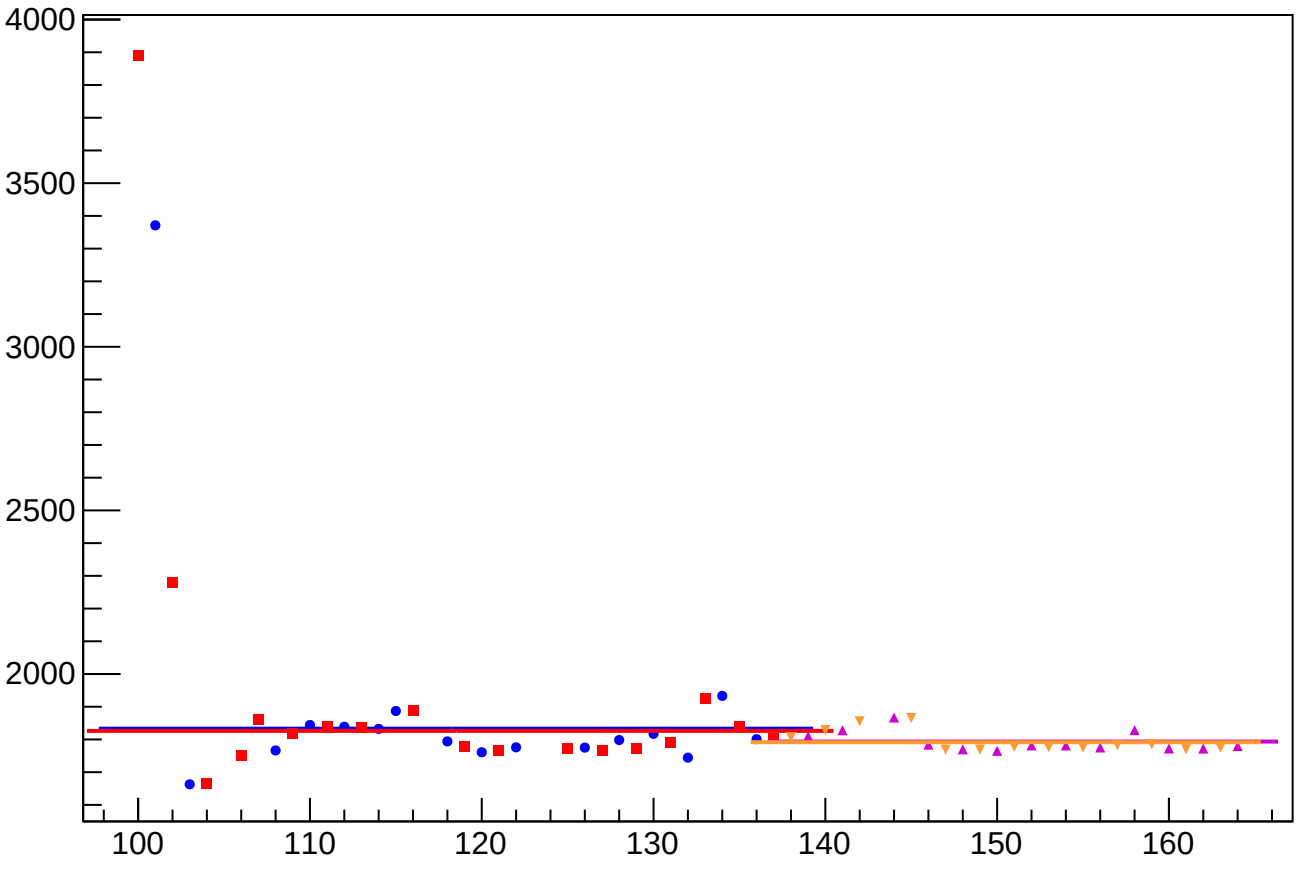
Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:7445964.1/28

Out: 0.000+/-0.000 χ^2/NDF:6723257.0/30

All: 0.000+/-0.000 χ^2/NDF: 14169844.4/59


reg_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -1378.758+/-689.030 χ²/NDF: 9.3/15
Left Out: 23.424+/-555.624 χ²/NDF:16.2/12
Right Out: -328.770+/-683.888 χ²/NDF: 11.0/17
Left In: -649.318+/-541.552 χ²/NDF:17.3/12
Left: -321.574+/-387.815 χ²/NDF: 34.2/25
Right: -849.832+/-485.390 χ²/NDF: 21.5/33
In: -927.857+/-425.781 χ²/NDF:27.3/28
Out: -116.614+/-431.239 χ²/NDF:27.4/30
All: -527.402+/-302.984 χ²/NDF: 56.5/59



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1791.586+/-0.393 χ^2/NDF:5782.5/12

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1793.541+/-0.383 χ^2/NDF:5887.1/12

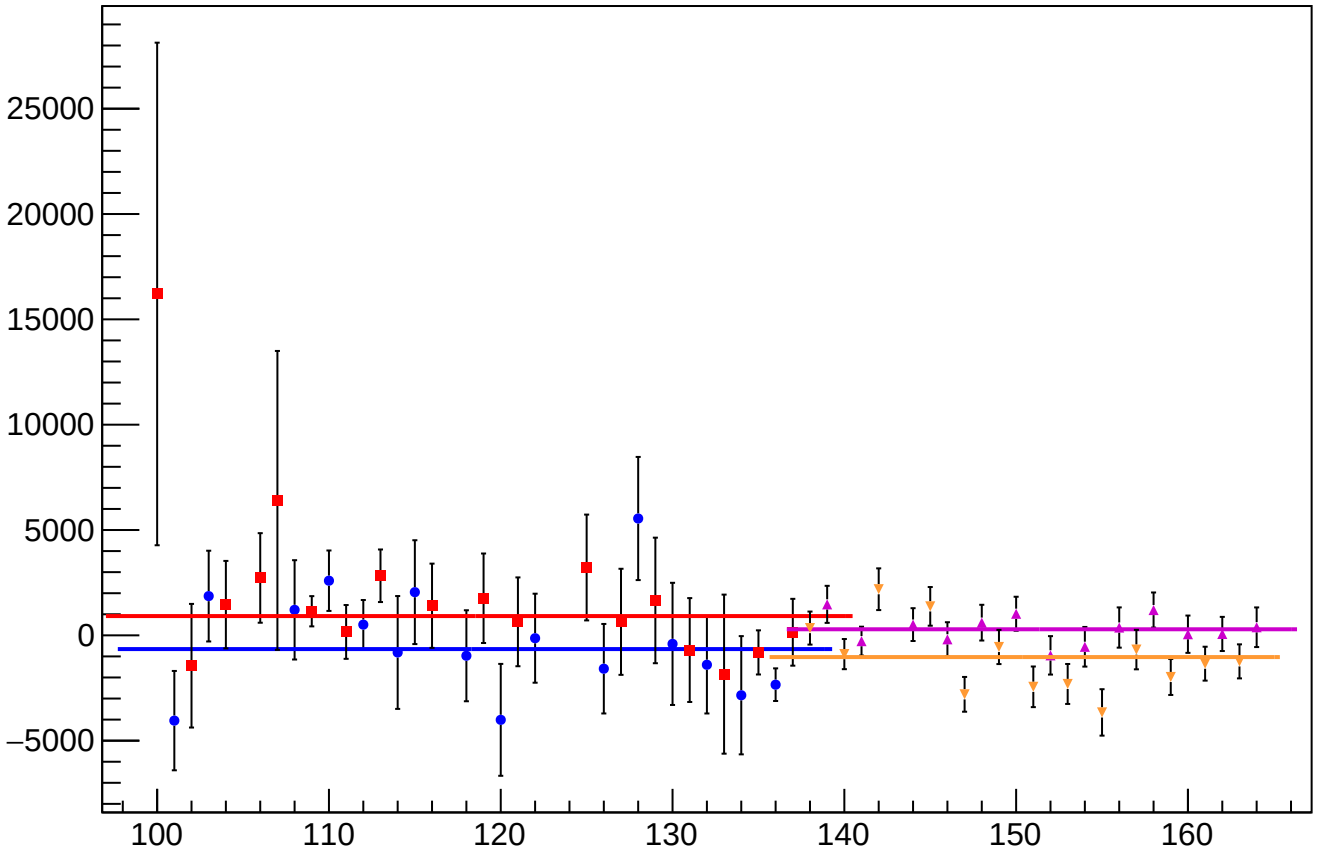
Left: 1792.589+/-0.274 χ^2/NDF: 11682.3/25

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1808.588+/-0.301 χ^2/NDF:305370.0/28

Out: 1805.352+/-0.305 χ^2/NDF:111876.8/30

All: 1806.991+/-0.214 χ^2/NDF: 417303.8/59



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -1031.638+/-239.901 χ^2/NDF:36.7/12

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 287.996+/-233.699 χ^2/NDF:7.9/12

Left: -354.541+/-167.400 χ^2/NDF: 60.1/25

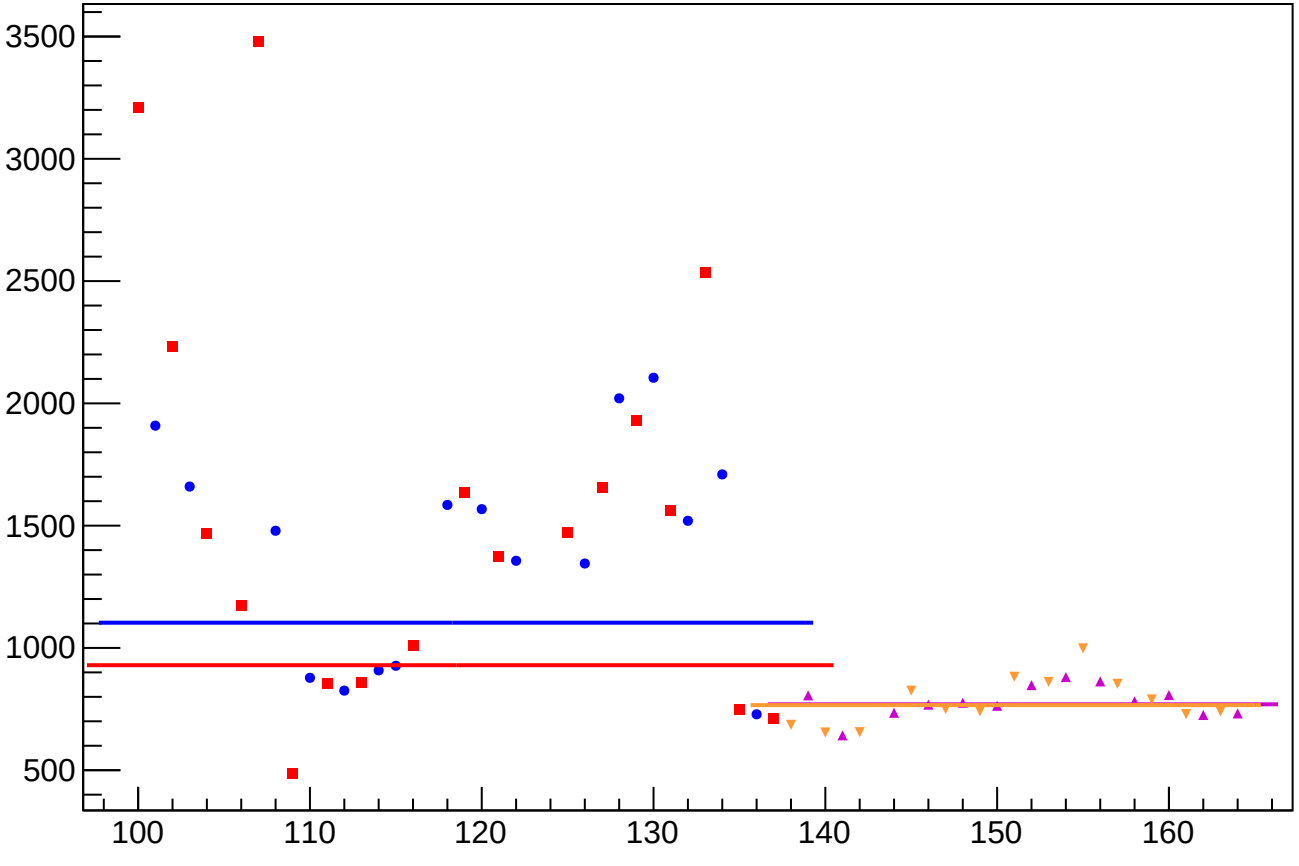
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 82.737+/-206.612 χ^2/NDF:34.6/28

Out: -504.080+/-204.824 χ^2/NDF:66.1/30

All: -213.221+/-145.461 χ^2/NDF: 104.8/59

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: 766.267+/-0.170 χ^2/NDF:268579.4/12

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 769.443+/-0.165 χ^2/NDF:151172.4/12

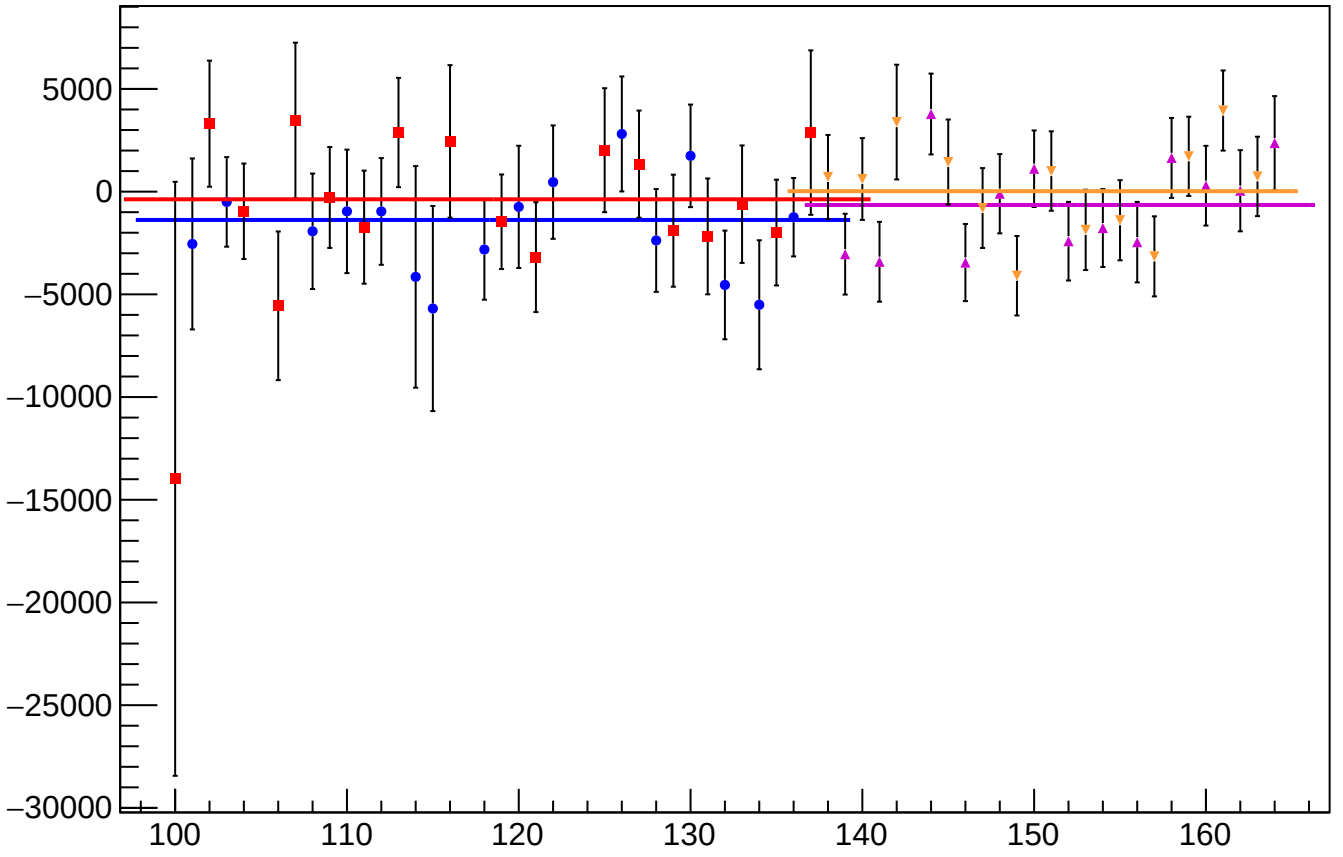
Left: 767.897+/-0.118 χ^2/NDF: 419931.6/25

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 842.324+/-0.146 χ^2/NDF:2920058.4/28

Out: 810.473+/-0.145 χ^2/NDF:3573203.1/30

All: 826.260+/-0.103 χ^2/NDF: 6517232.7/59



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: 23.560+/-555.624 χ^2/NDF:16.2/12

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -649.223+/-541.552 χ^2/NDF:17.3/12

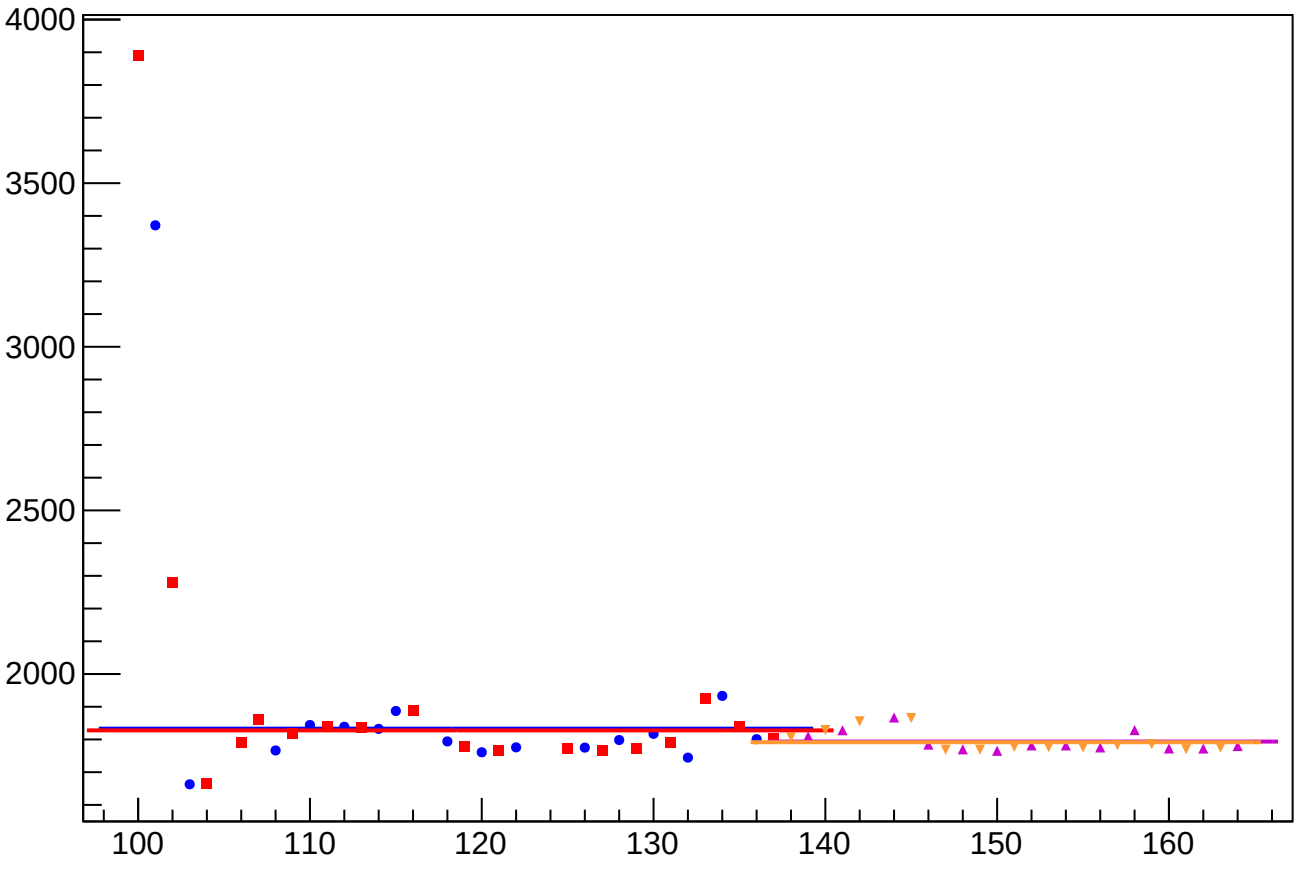
Left: -321.459+/-387.815 χ^2/NDF: 34.2/25

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -927.560+/-425.781 χ^2/NDF:27.3/28

Out: -133.789+/-431.369 χ^2/NDF:28.3/30

All: -535.849+/-303.029 χ^2/NDF: 57.3/59



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1791.586+/-0.393 χ^2/NDF:5782.5/12

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1793.541+/-0.383 χ^2/NDF:5887.1/12

Left: 1792.589+/-0.274 χ^2/NDF: 11682.3/25

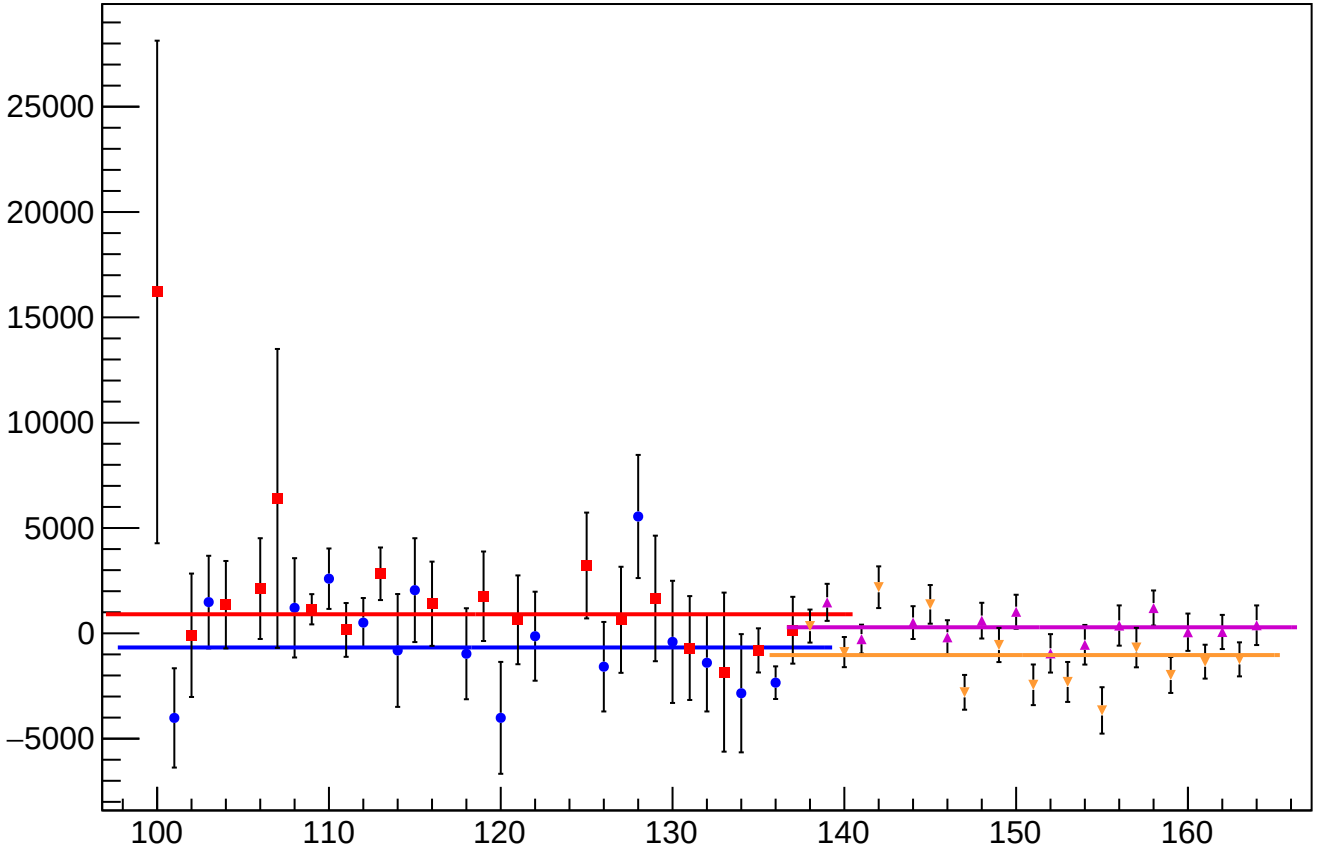
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1808.588+/-0.301 χ^2/NDF:305371.9/28

Out: 1805.966+/-0.305 χ^2/NDF:111425.1/30

All: 1807.294+/-0.214 χ^2/NDF: 416834.4/59

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1031.581+/-239.903 χ^2/NDF:36.7/12

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 287.886+/-233.700 χ^2/NDF:7.9/12

Left: -354.569+/-167.401 χ^2/NDF: 60.1/25

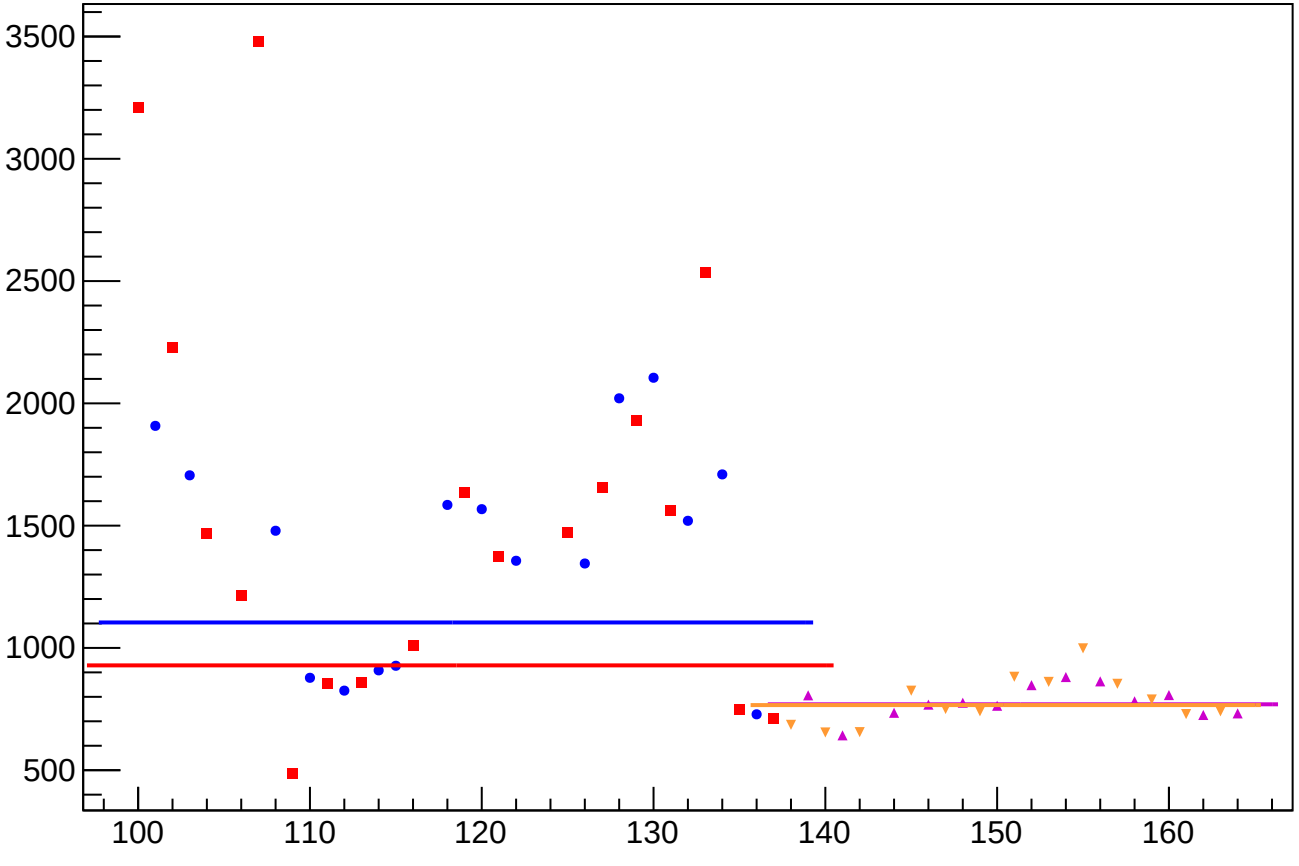
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 78.862+/-206.651 χ^2/NDF:34.3/28

Out: -509.132+/-205.021 χ^2/NDF:64.8/30

All: -217.462+/-145.545 χ^2/NDF: 103.2/59

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: 766.274+/-0.170 χ^2/NDF:268546.4/12

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 769.447+/-0.165 χ^2/NDF:151219.8/12

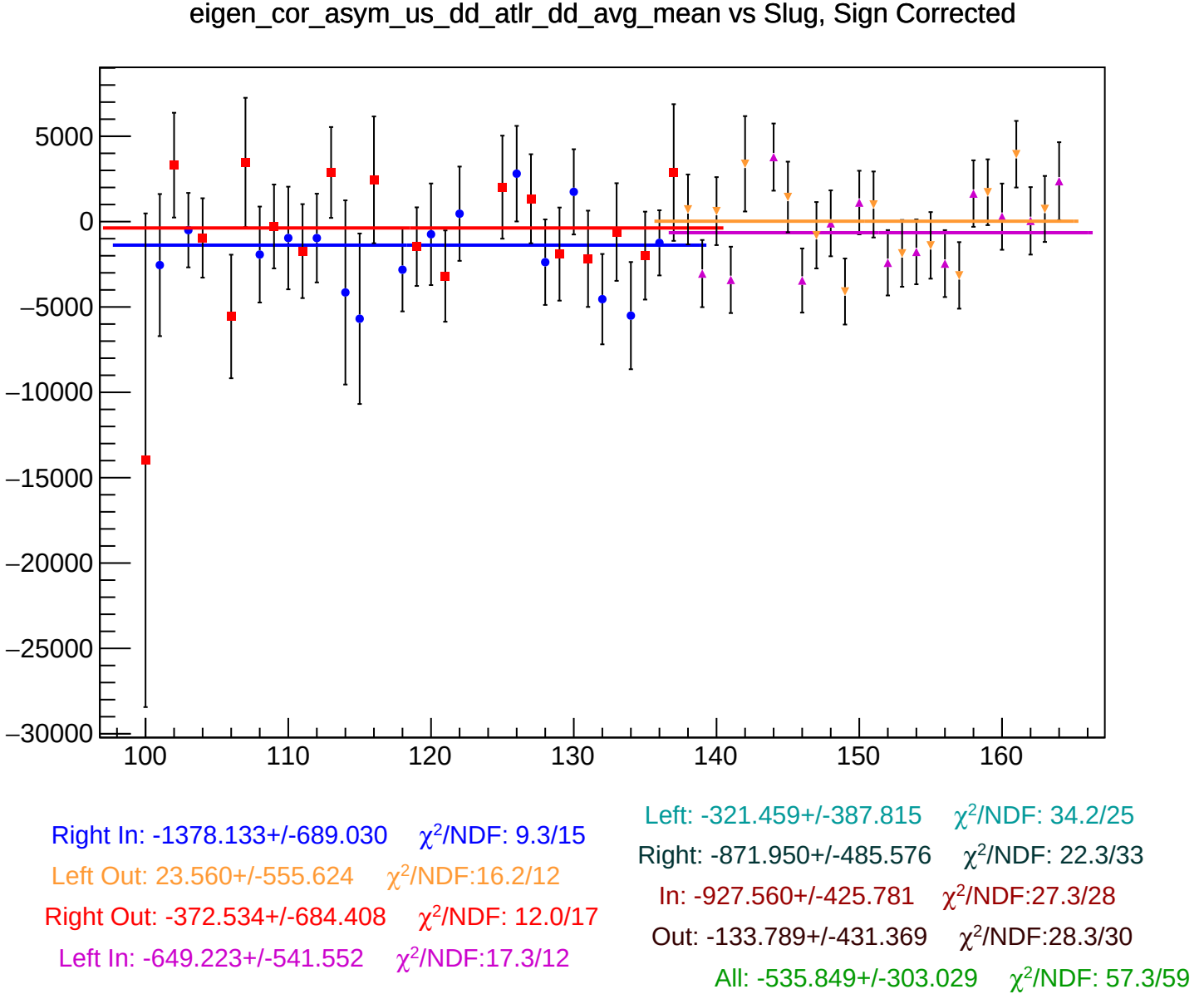
Left: 767.902+/-0.118 χ^2/NDF: 419945.8/25

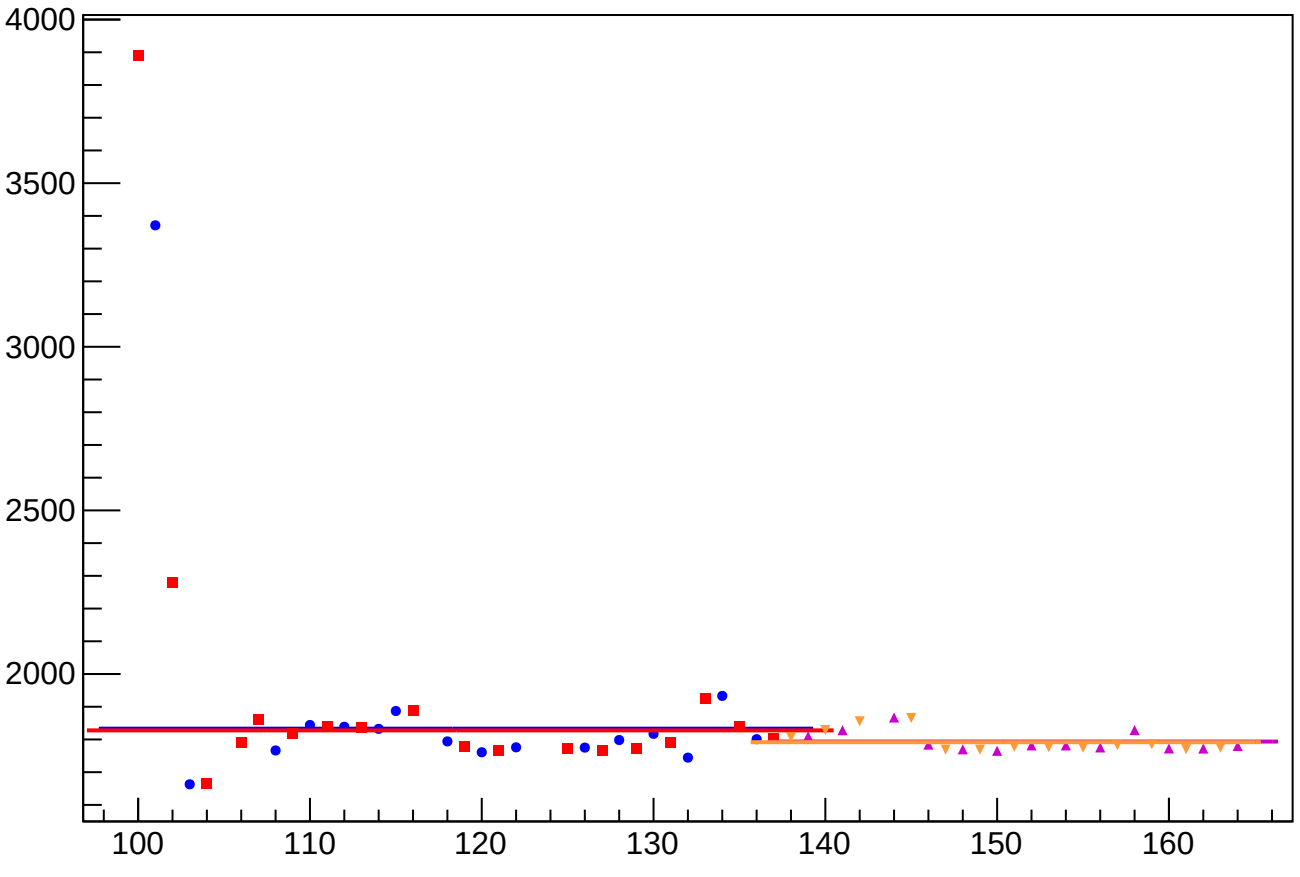
Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 842.432+/-0.146 χ^2/NDF:2940130.6/28

Out: 810.054+/-0.145 χ^2/NDF:3569931.7/30

All: 826.115+/-0.103 χ^2/NDF: 6534805.8/59


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: 23.560+/-555.624 χ²/NDF:16.2/12
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -649.223+/-541.552 χ²/NDF:17.3/12
Left: -321.459+/-387.815 χ²/NDF: 34.2/25
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -927.560+/-425.781 χ²/NDF:27.3/28
Out: -133.789+/-431.369 χ²/NDF:28.3/30
All: -535.849+/-303.029 χ²/NDF: 57.3/59



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1791.586+/-0.393 χ^2/NDF:5782.5/12

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1793.541+/-0.383 χ^2/NDF:5887.1/12

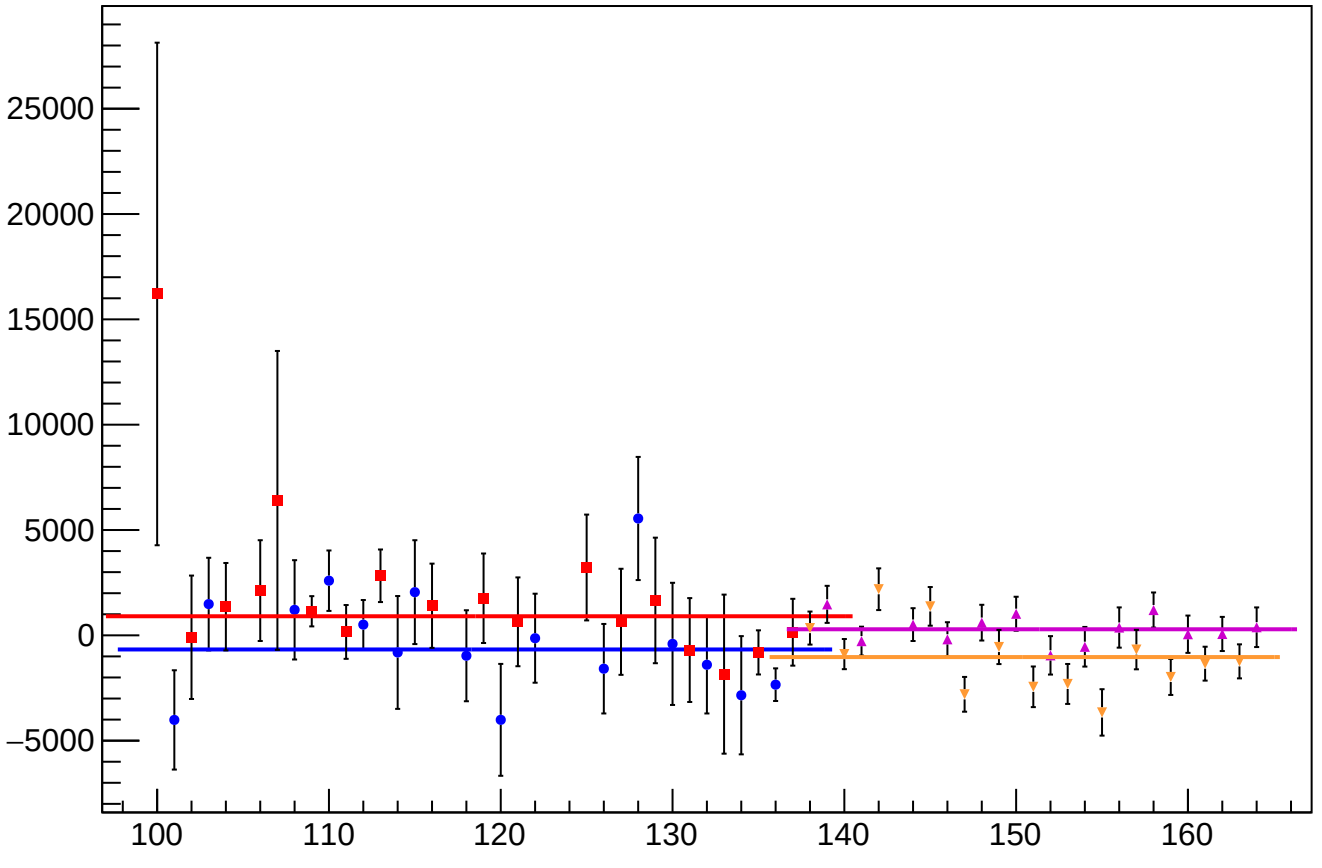
Left: 1792.589+/-0.274 χ^2/NDF: 11682.3/25

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1808.588+/-0.301 χ^2/NDF:305371.9/28

Out: 1805.966+/-0.305 χ^2/NDF:111425.1/30

All: 1807.294+/-0.214 χ^2/NDF: 416834.4/59



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1031.581+/-239.903 χ^2/NDF:36.7/12

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 287.886+/-233.700 χ^2/NDF:7.9/12

Left: -354.569+/-167.401 χ^2/NDF: 60.1/25

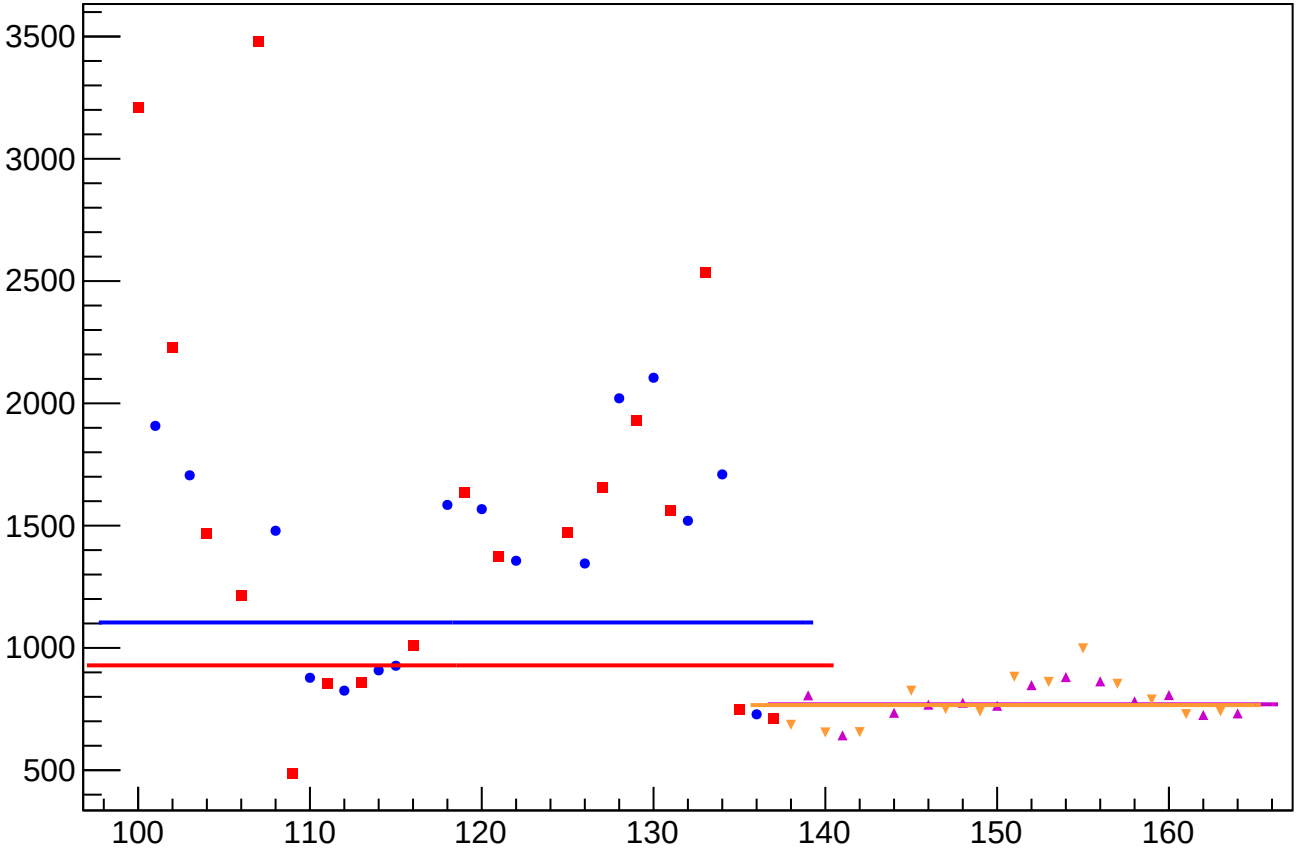
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 78.862+/-206.651 χ^2/NDF:34.3/28

Out: -509.132+/-205.021 χ^2/NDF:64.8/30

All: -217.462+/-145.545 χ^2/NDF: 103.2/59

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: 766.274+/-0.170 χ^2/NDF:268546.4/12

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 769.447+/-0.165 χ^2/NDF:151219.8/12

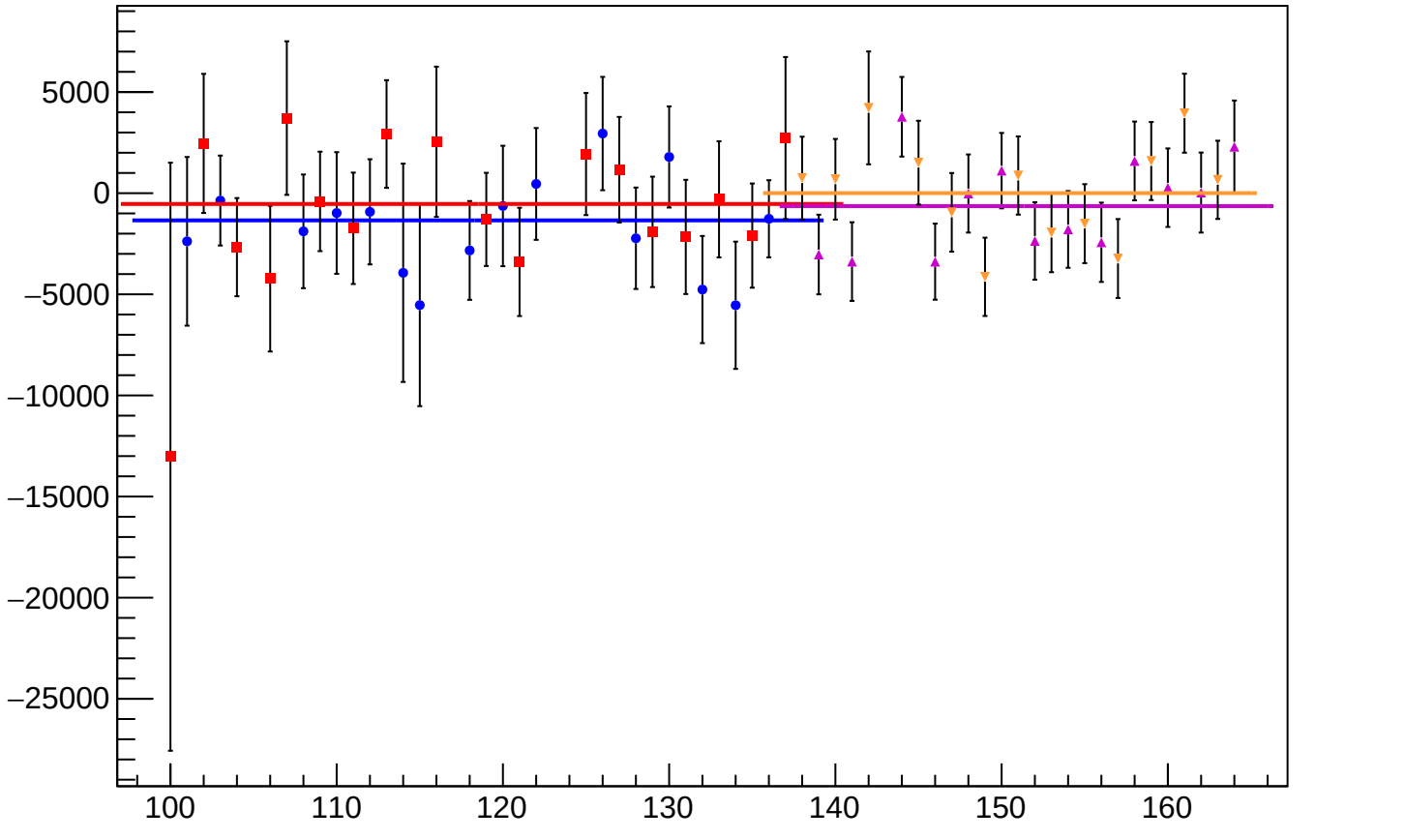
Left: 767.902+/-0.118 χ^2/NDF: 419945.8/25

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 842.432+/-0.146 χ^2/NDF:2940130.6/28

Out: 810.054+/-0.145 χ^2/NDF:3569931.7/30

All: 826.115+/-0.103 χ^2/NDF: 6534805.8/59



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: 4.163+/-555.979 χ^2/NDF:17.3/12

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -638.462+/-541.922 χ^2/NDF:16.9/12

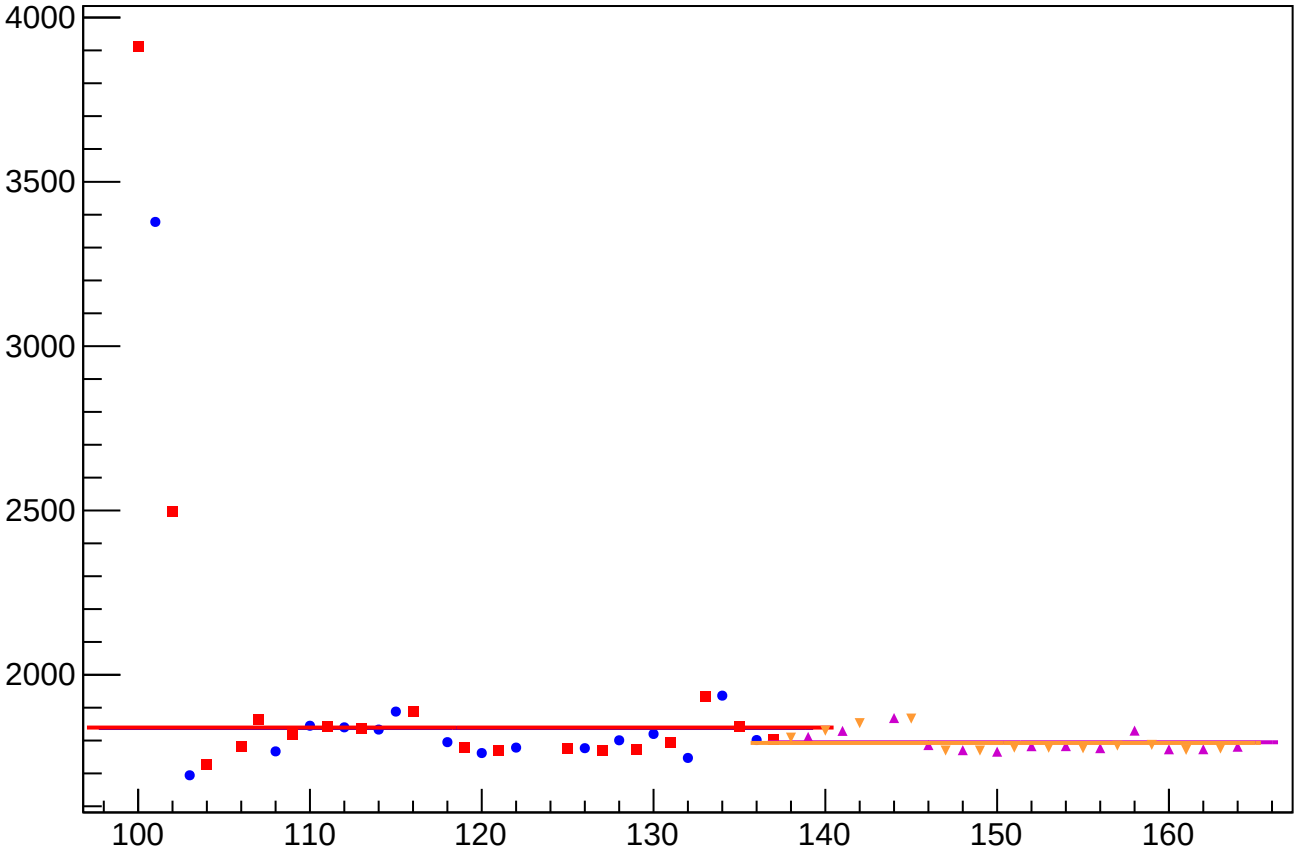
Left: -325.375+/-388.071 χ^2/NDF: 34.9/25

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -907.161+/-426.411 χ^2/NDF:27.2/28

Out: -207.409+/-433.165 χ^2/NDF:28.8/30

All: -562.784+/-303.878 χ^2/NDF: 57.3/59



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1792.720+/-0.393 χ^2/NDF:5687.2/12

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1794.763+/-0.383 χ^2/NDF:5920.0/12

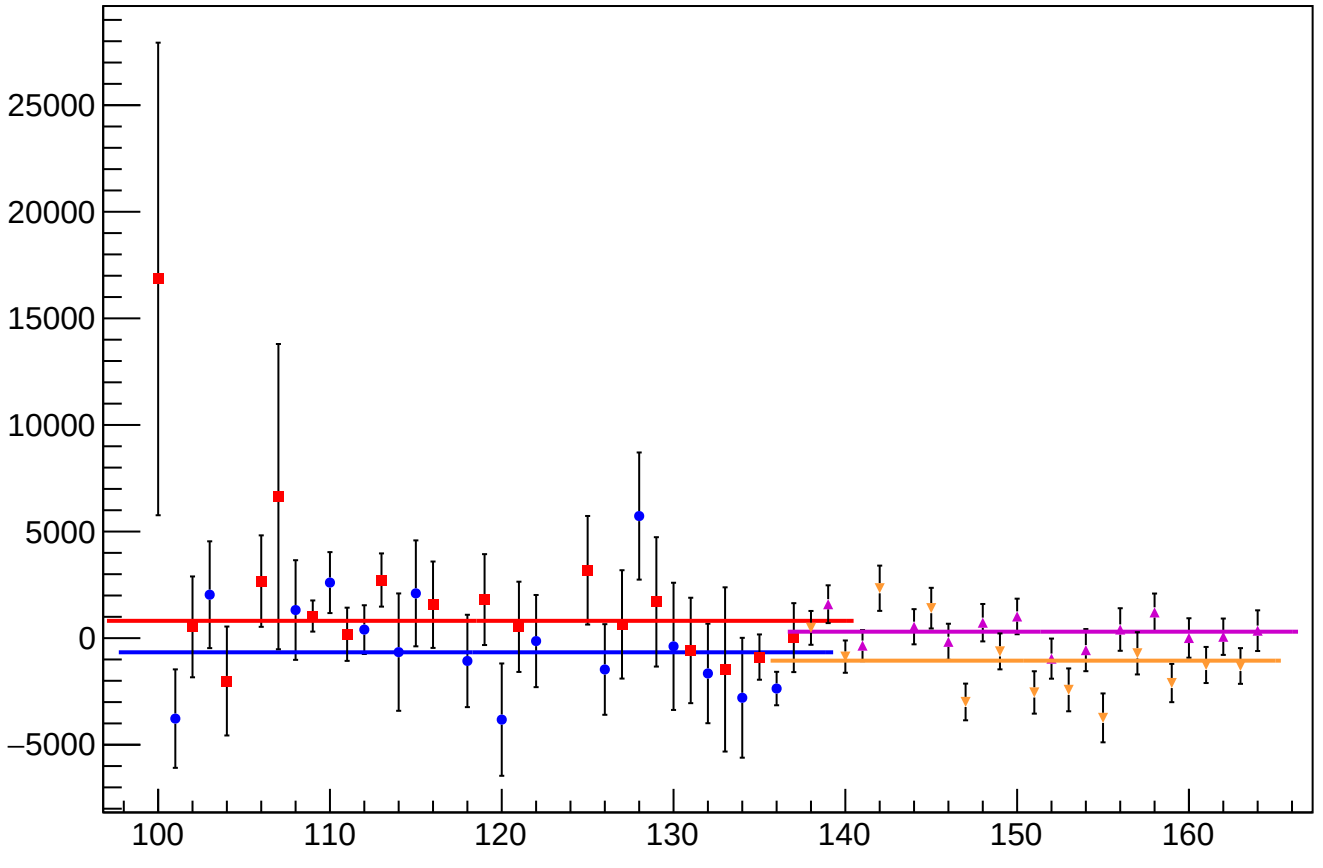
Left: 1793.768+/-0.274 χ^2/NDF: 11621.0/25

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1811.292+/-0.302 χ^2/NDF:302788.7/28

Out: 1811.111+/-0.306 χ^2/NDF:139509.4/30

All: 1811.203+/-0.215 χ^2/NDF: 442298.2/59



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -1055.695+/-250.642 χ^2/NDF:37.3/12

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 302.587+/-243.759 χ^2/NDF:8.1/12

Left: -357.649+/-174.746 χ^2/NDF: 60.5/25

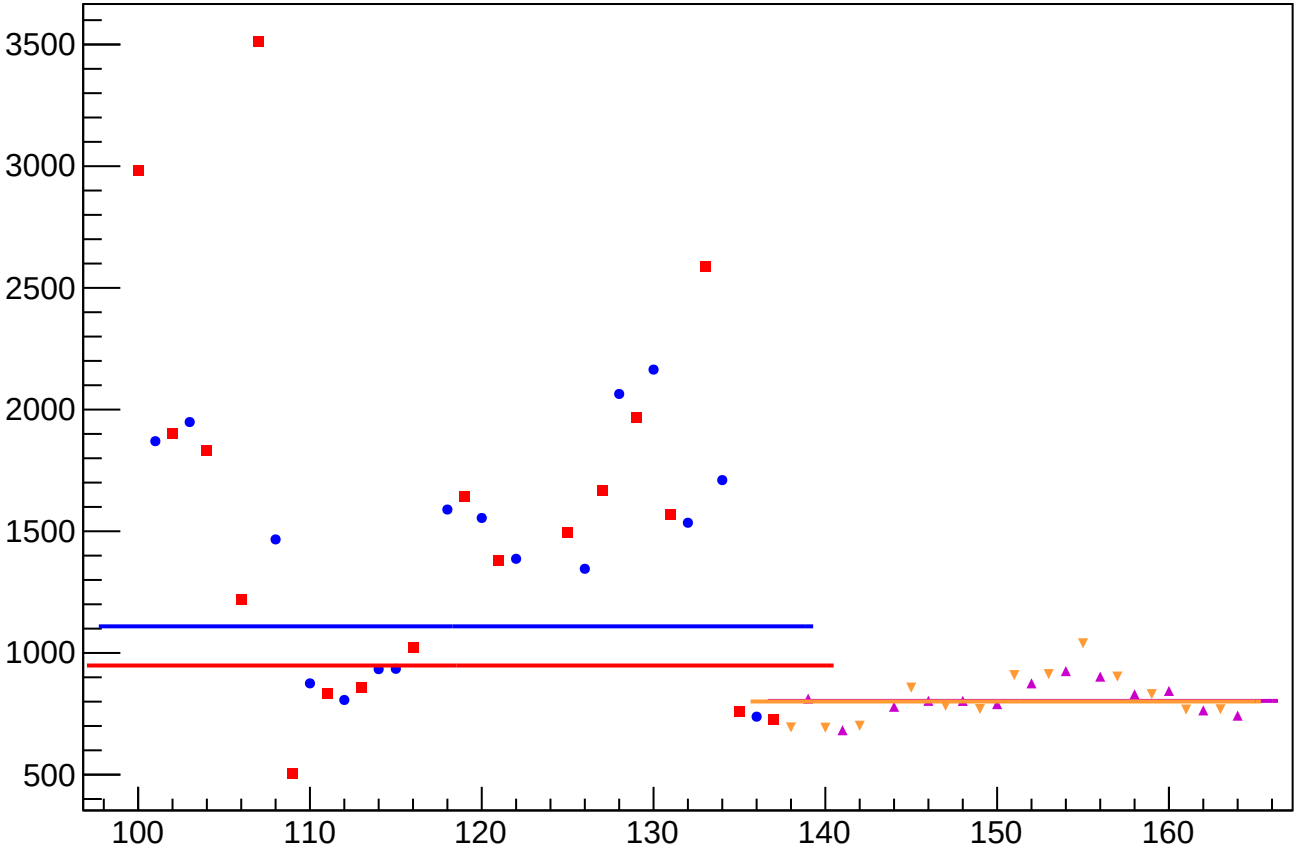
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 80.310+/-213.886 χ^2/NDF:34.5/28

Out: -523.719+/-211.966 χ^2/NDF:65.4/30

All: -224.428+/-150.557 χ^2/NDF: 103.8/59

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: 800.690+/-0.177 χ^2/NDF:270045.2/12

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 803.072+/-0.172 χ^2/NDF:137642.8/12

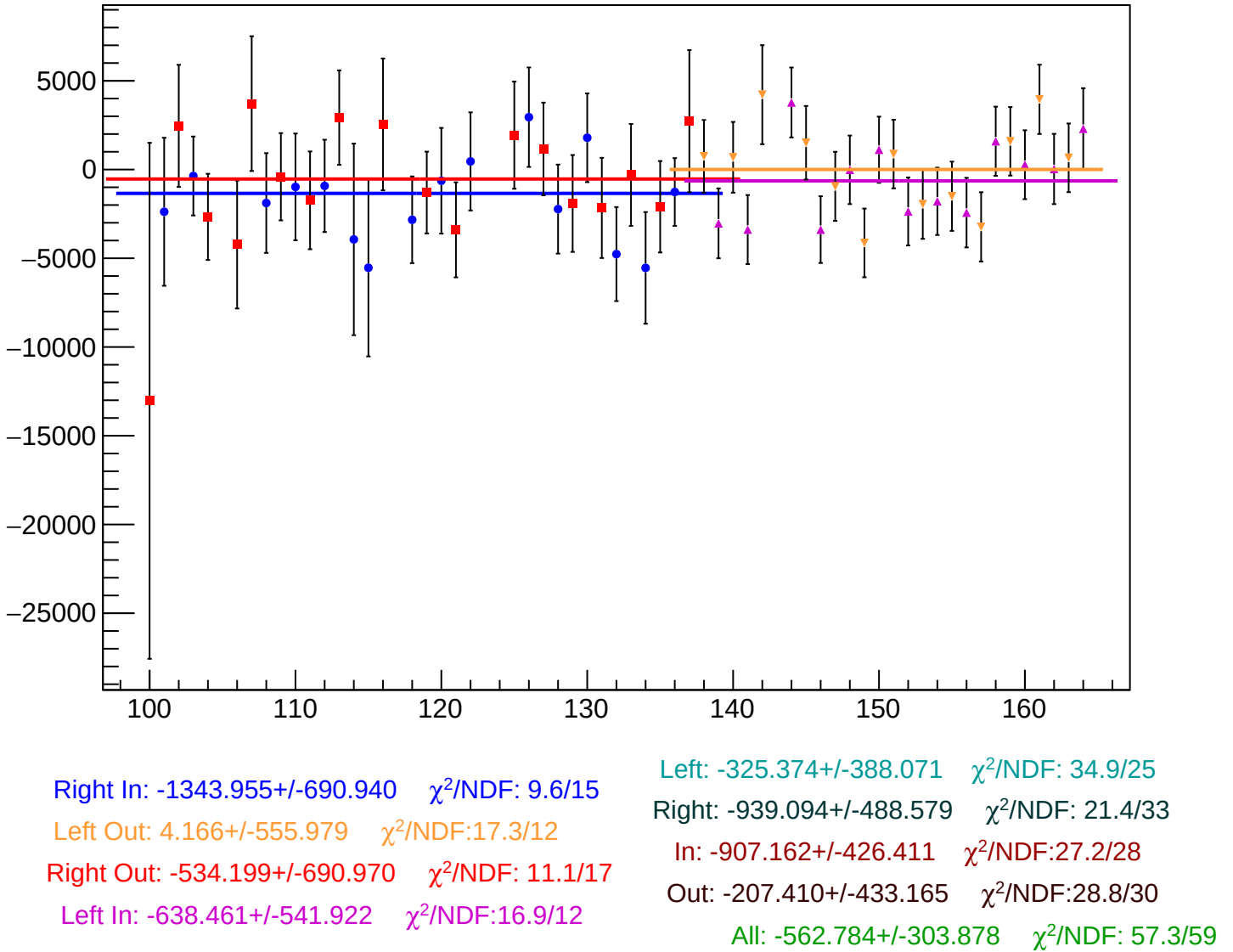
Left: 801.914+/-0.124 χ^2/NDF: 407780.8/25

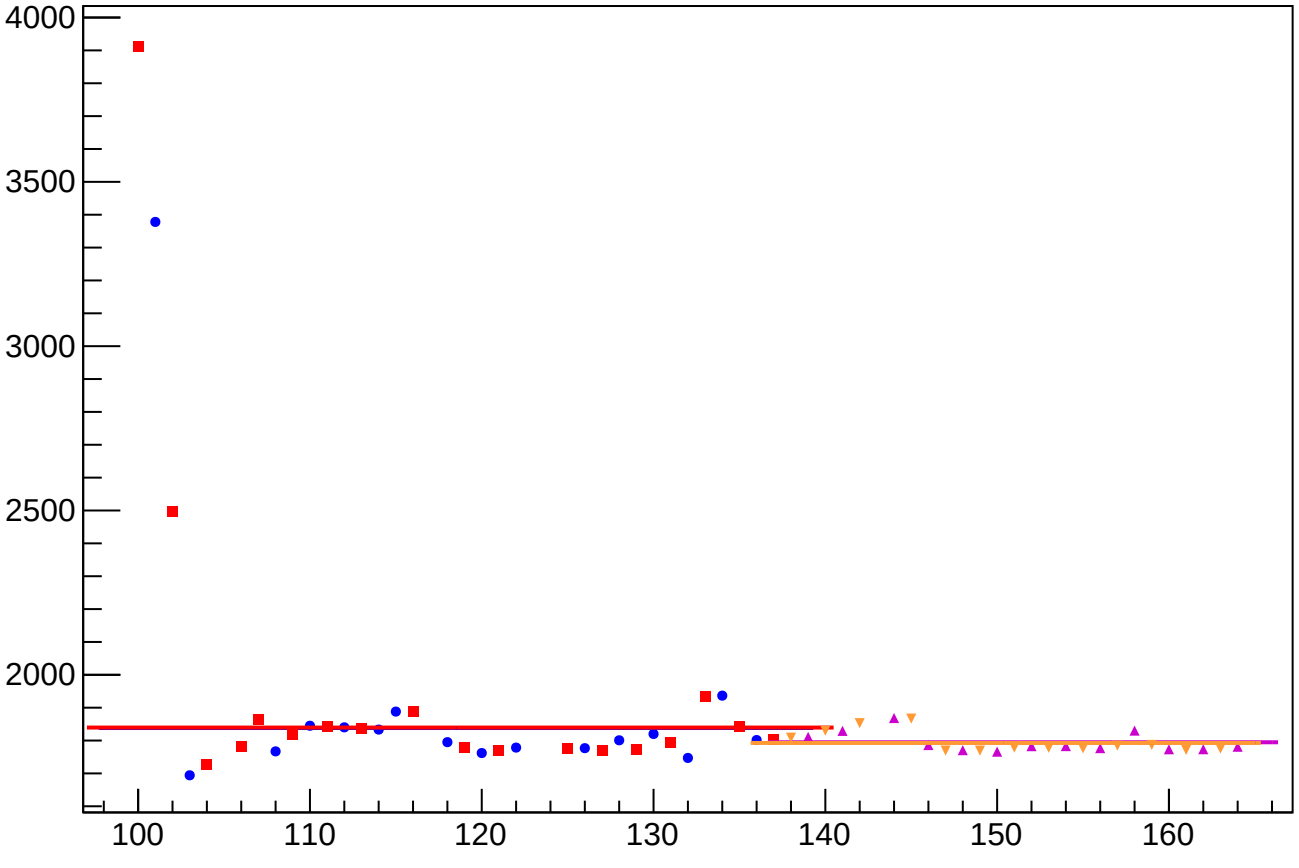
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 873.544+/-0.151 χ^2/NDF:2837544.7/28

Out: 842.769+/-0.150 χ^2/NDF:3521644.6/30

All: 858.018+/-0.106 χ^2/NDF: 6380078.3/59


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: 4.166+/-555.979 χ²/NDF:17.3/12
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -638.461+/-541.922 χ²/NDF:16.9/12
Left: -325.374+/-388.071 χ²/NDF: 34.9/25
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -907.162+/-426.411 χ²/NDF:27.2/28
Out: -207.410+/-433.165 χ²/NDF:28.8/30
All: -562.784+/-303.878 χ²/NDF: 57.3/59



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1792.720+/-0.393 χ^2/NDF:5687.2/12

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1794.763+/-0.383 χ^2/NDF:5920.1/12

Left: 1793.768+/-0.274 χ^2/NDF: 11621.1/25

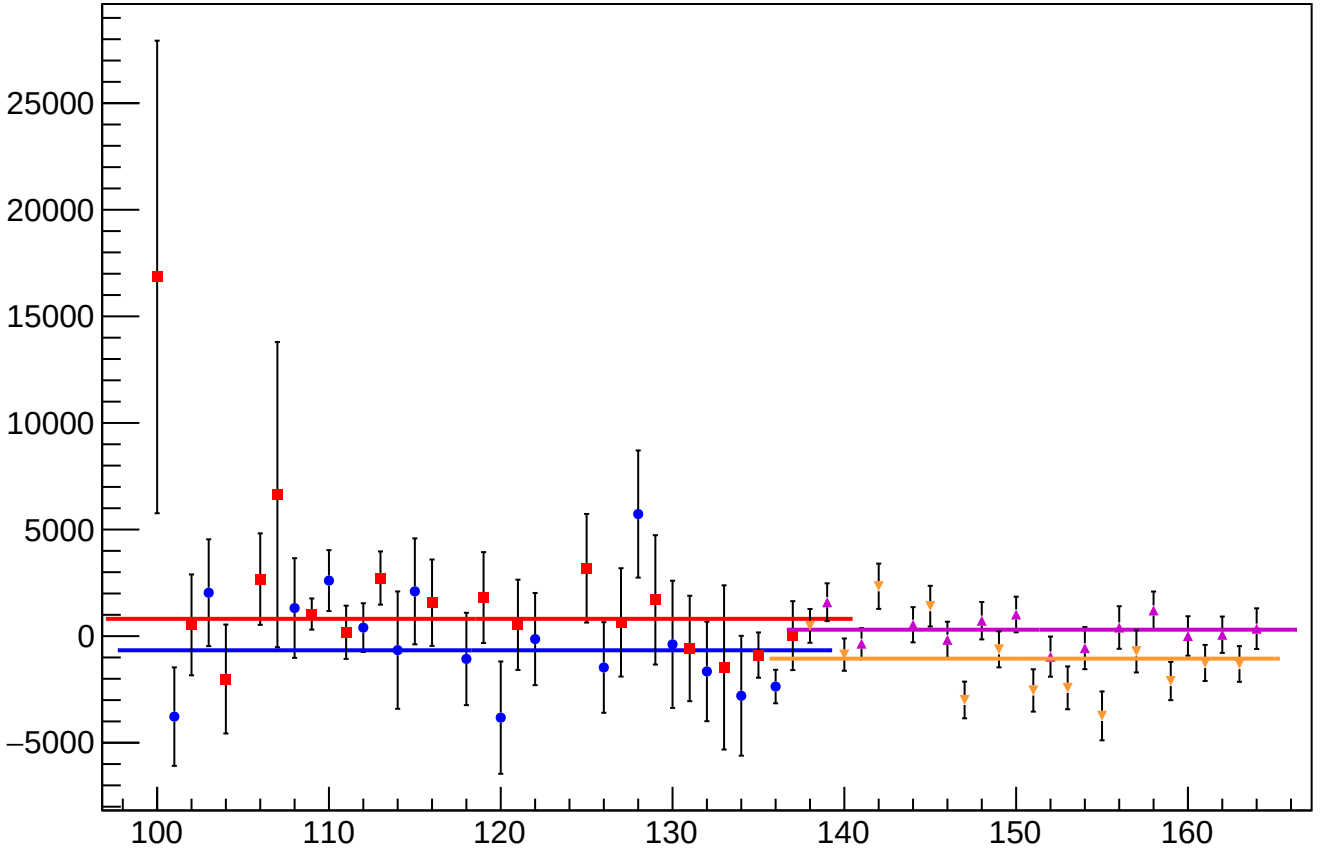
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1811.291+/-0.302 χ^2/NDF:302788.6/28

Out: 1811.111+/-0.306 χ^2/NDF:139509.5/30

All: 1811.203+/-0.215 χ^2/NDF: 442298.3/59

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: -1055.702+/-250.642 χ^2/NDF:37.3/12

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 302.584+/-243.759 χ^2/NDF:8.1/12

Left: -357.653+/-174.747 χ^2/NDF: 60.5/25

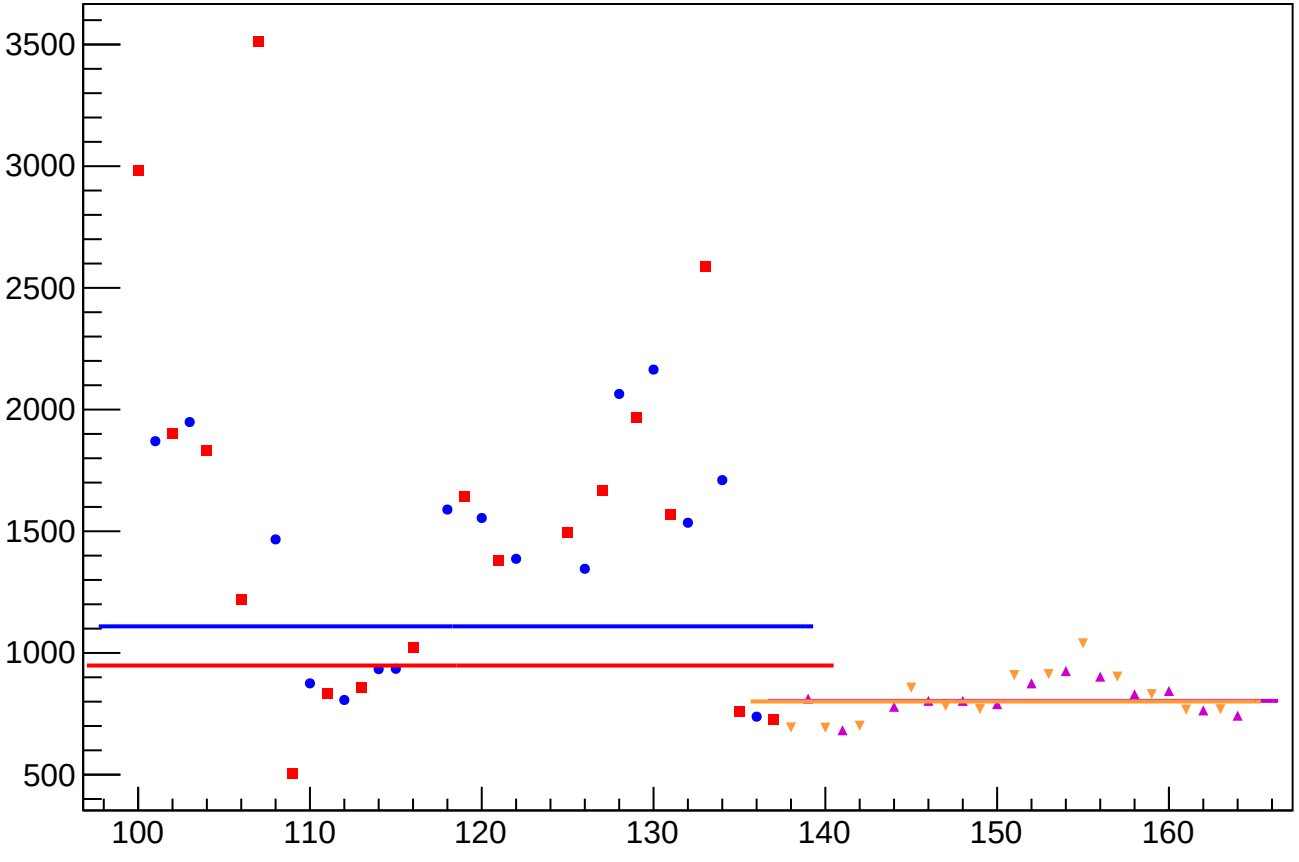
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 80.311+/-213.886 χ^2/NDF:34.5/28

Out: -523.721+/-211.966 χ^2/NDF:65.3/30

All: -224.428+/-150.557 χ^2/NDF: 103.8/59

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: 800.692+/-0.177 χ^2/NDF:270032.3/12

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 803.072+/-0.172 χ^2/NDF:137646.3/12

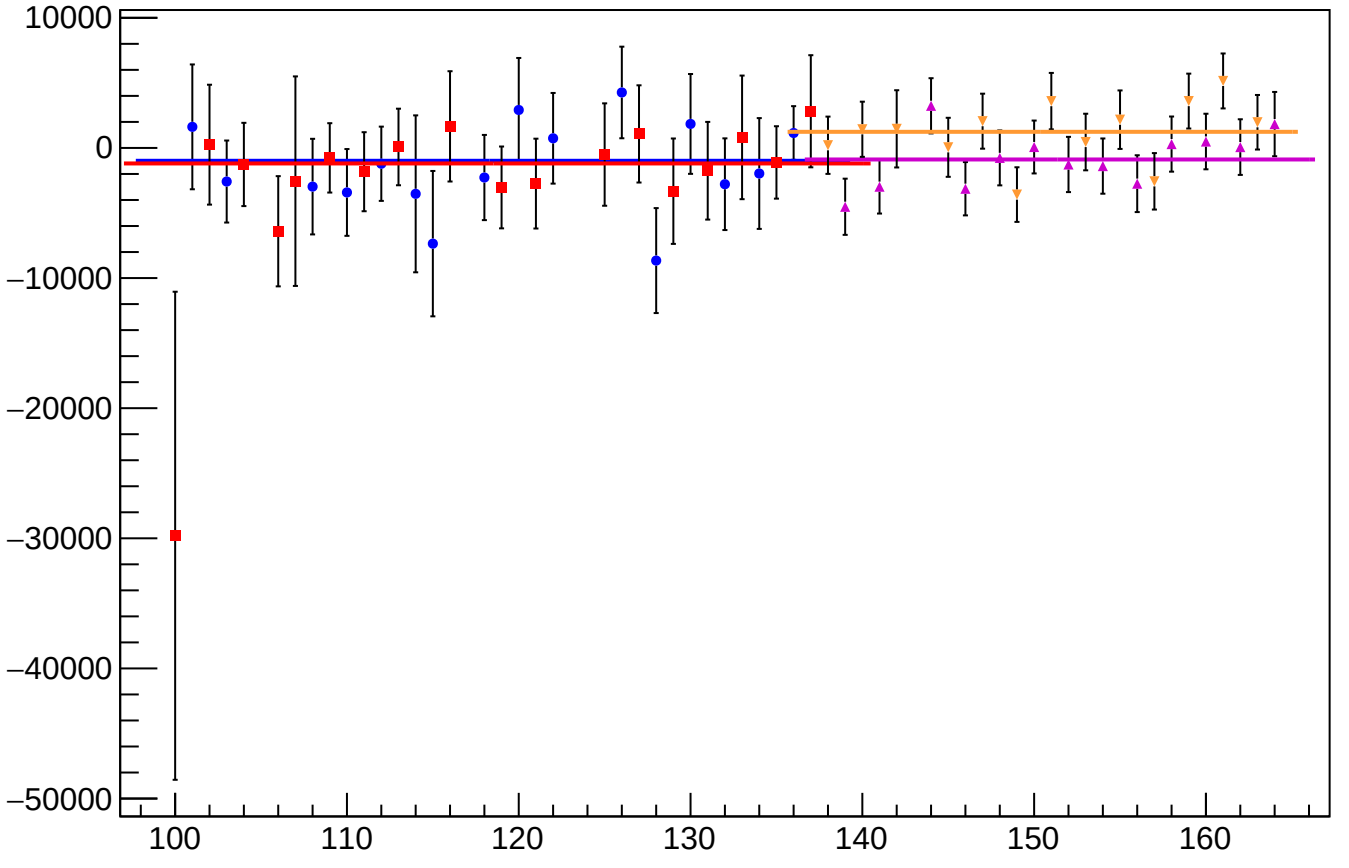
Left: 801.915+/-0.124 χ^2/NDF: 407771.3/25

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 873.545+/-0.151 χ^2/NDF:2837519.2/28

Out: 842.771+/-0.150 χ^2/NDF:3521607.3/30

All: 858.019+/-0.106 χ^2/NDF: 6380014.2/59



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 1239.037+/-608.695 χ^2/NDF:15.3/12

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -886.259+/-591.879 χ^2/NDF:12.0/12

Left: 146.626+/-424.342 χ^2/NDF: 33.6/25

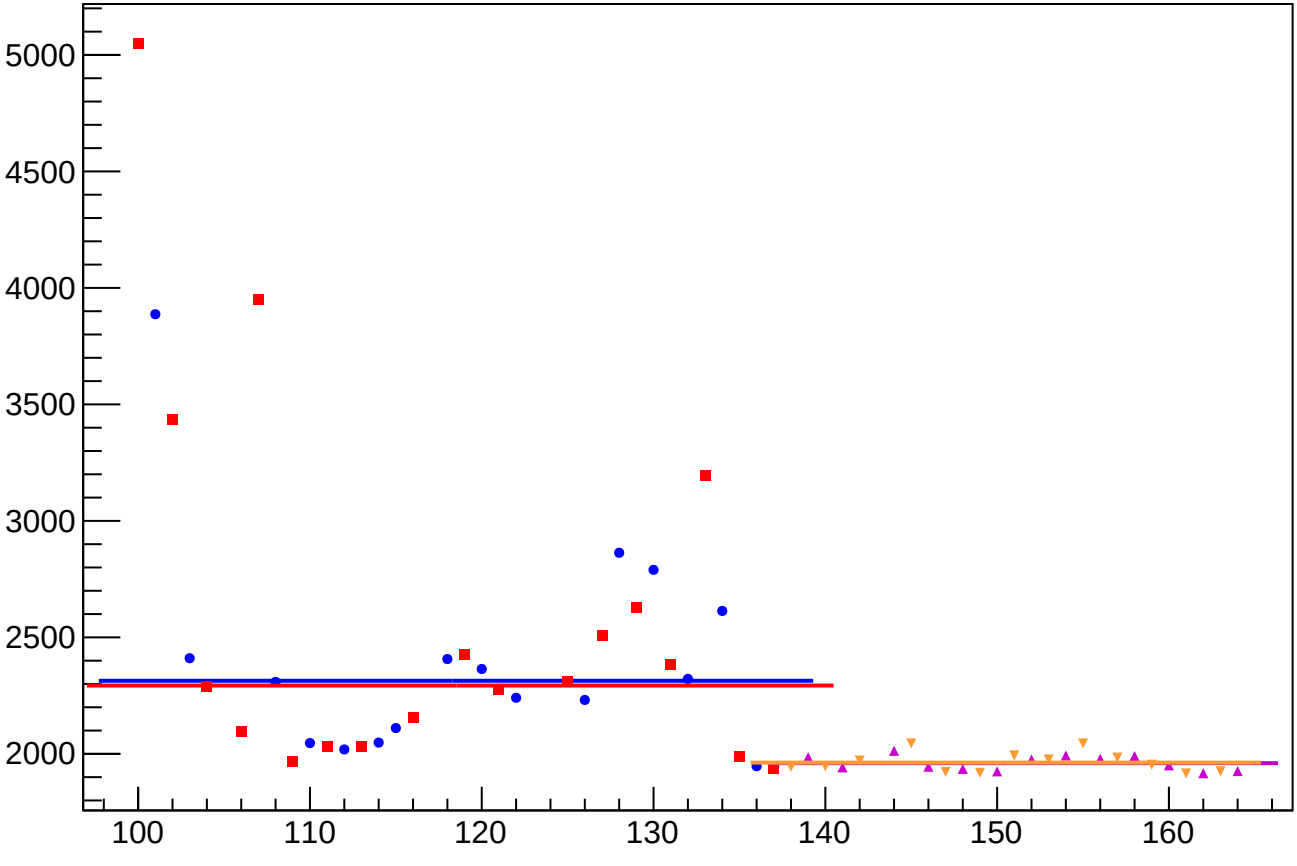
Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -918.109+/-490.048 χ^2/NDF:24.0/28

Out: 440.582+/-498.826 χ^2/NDF:27.5/30

All: -250.824+/-349.578 χ^2/NDF: 55.3/59

asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1962.422+/-0.430 χ^2/NDF:9462.6/12

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1960.121+/-0.419 χ^2/NDF:5040.8/12

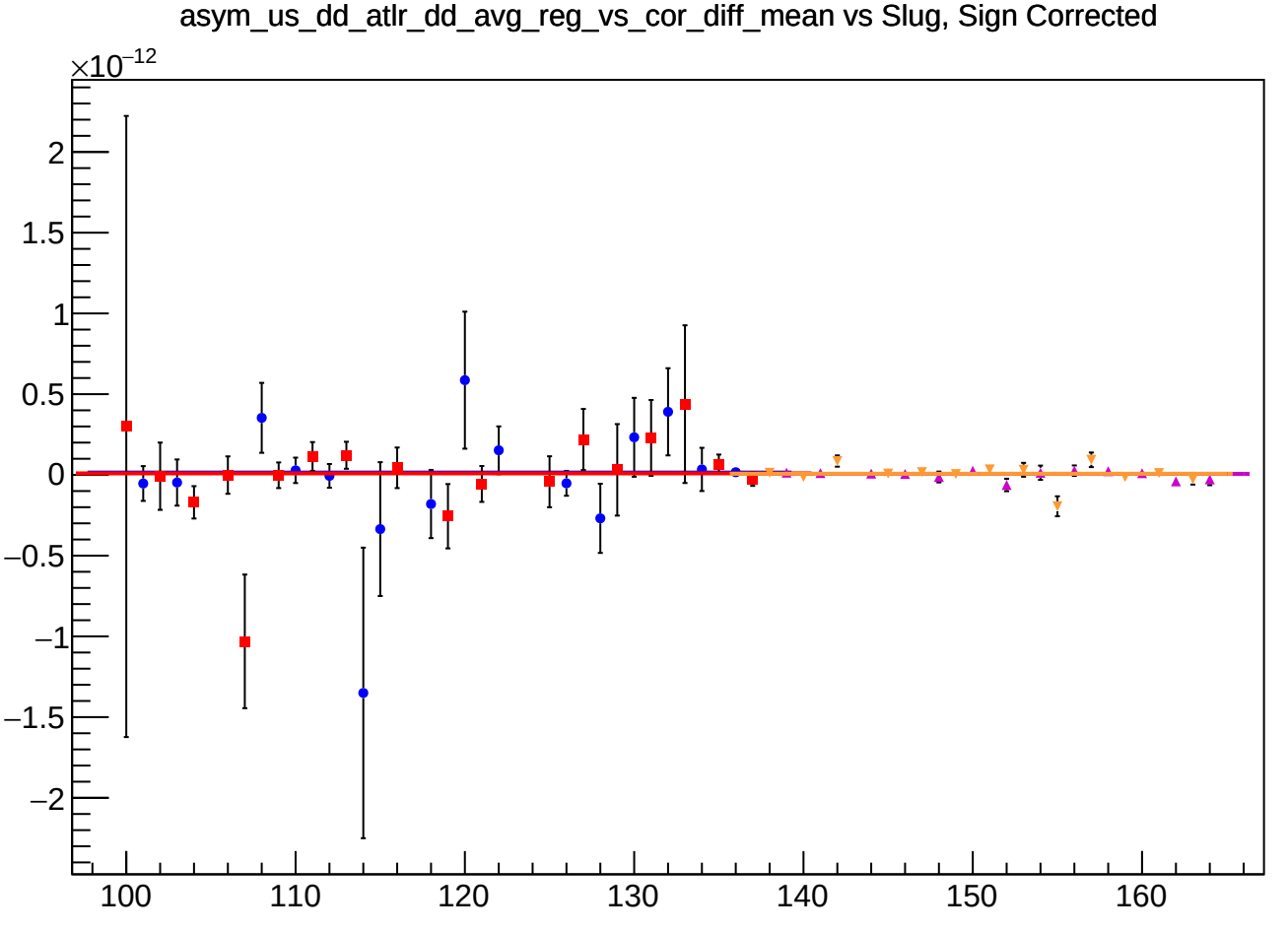
Left: 1961.239+/-0.300 χ^2/NDF: 14518.2/25

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2071.333+/-0.347 χ^2/NDF:632316.1/28

Out: 2071.081+/-0.353 χ^2/NDF:656721.7/30

All: 2071.209+/-0.247 χ^2/NDF: 1289038.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:8.8/12

Left: 0.000+/-0.000 χ^2/NDF: 32.7/25

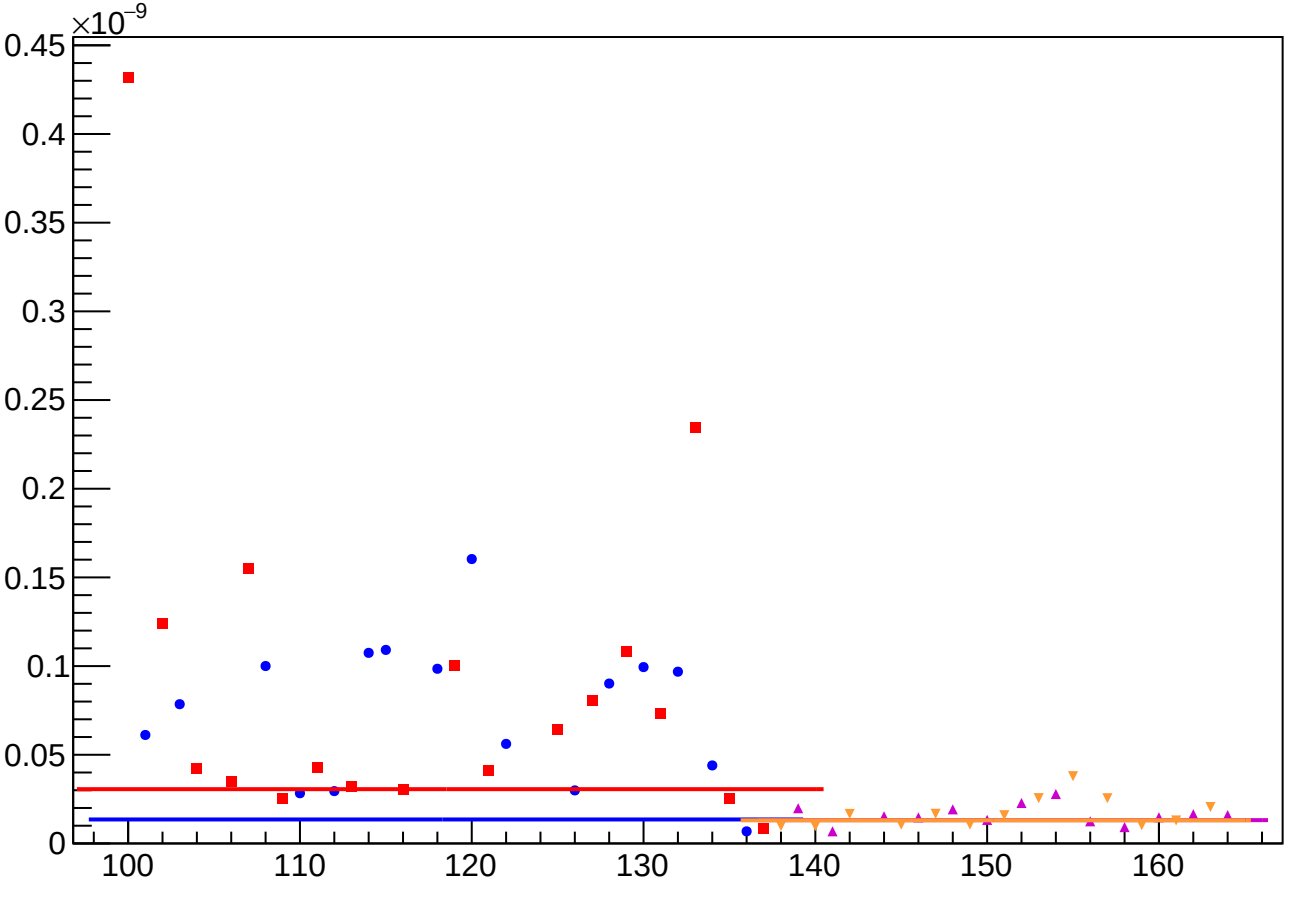
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:24.1/28

Out: 0.000+/-0.000 χ^2/NDF:43.4/30

All: 0.000+/-0.000 χ^2/NDF: 67.5/59

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1023707.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1049631.5/12

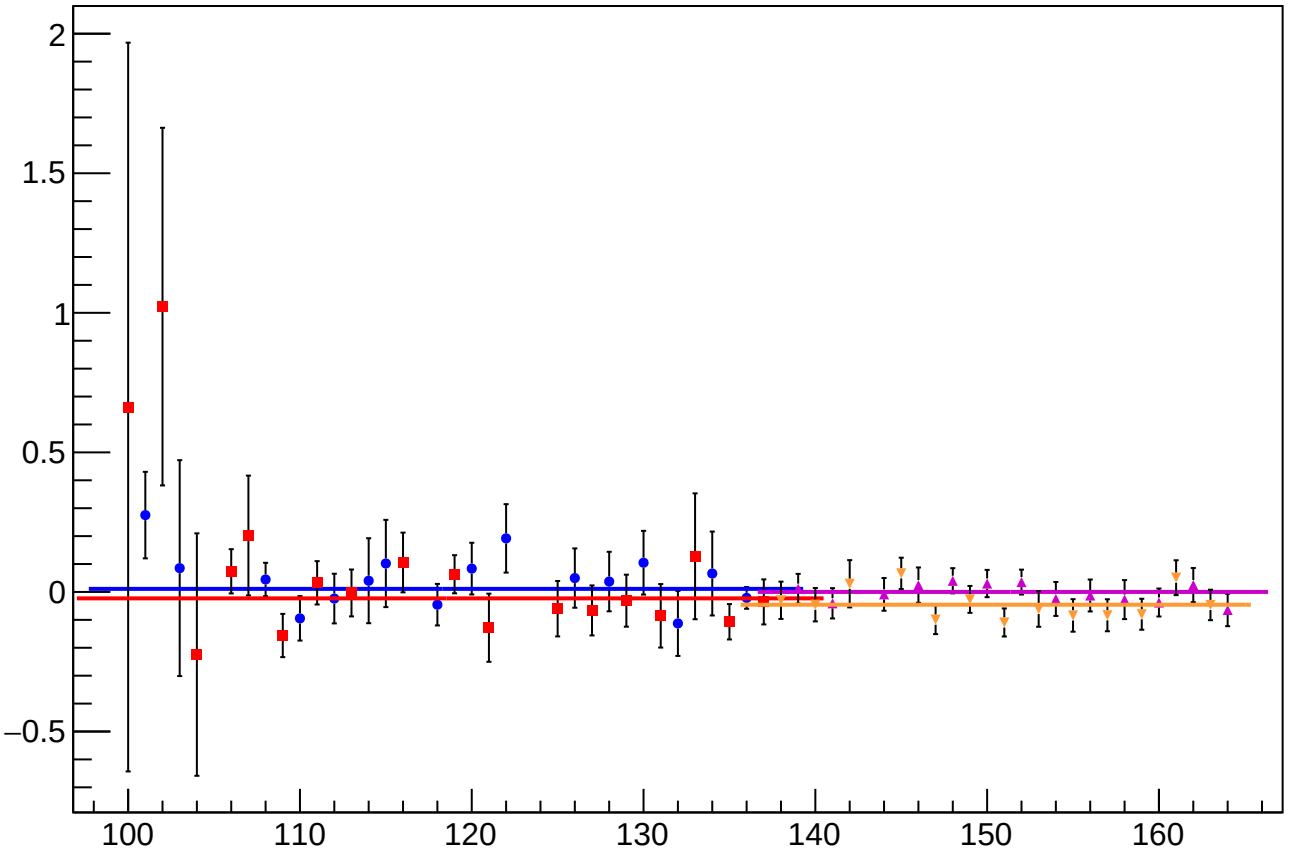
Left: 0.000+/-0.000 χ^2/NDF: 2073489.0/25

Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4466922.2/28

Out: 0.000+/-0.000 χ^2/NDF:4347527.2/30

All: 0.000+/-0.000 χ^2/NDF: 8851390.9/59



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.016 χ^2/NDF:11.4/12

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.000+/-0.015 χ^2/NDF:4.9/12

Left: -0.022+/-0.011 χ^2/NDF: 20.7/25

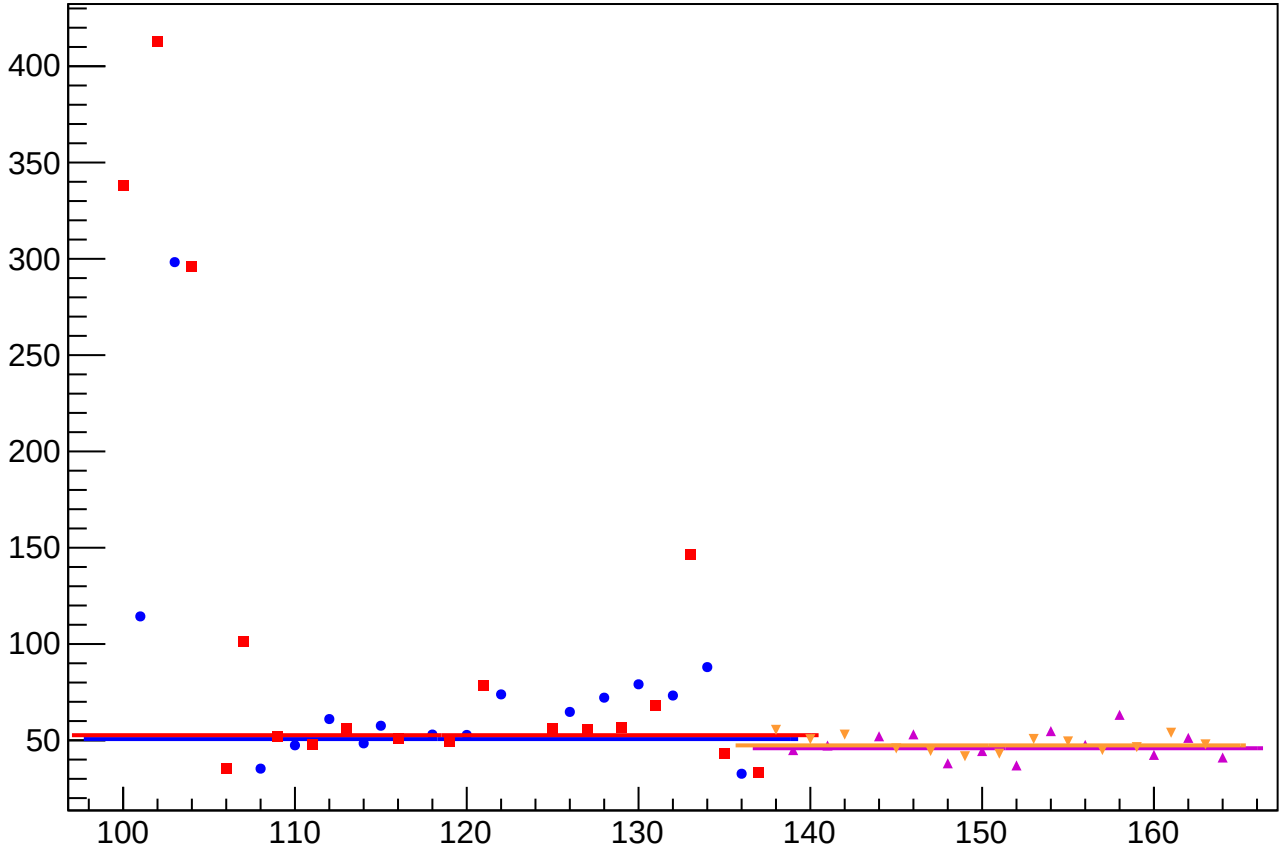
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.004+/-0.012 χ^2/NDF:16.8/28

Out: -0.038+/-0.013 χ^2/NDF:28.0/30

All: -0.016+/-0.009 χ^2/NDF: 50.2/59

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: 47.372+/-0.011 χ^2/NDF:127894.9/12

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.885+/-0.011 χ^2/NDF:398796.2/12

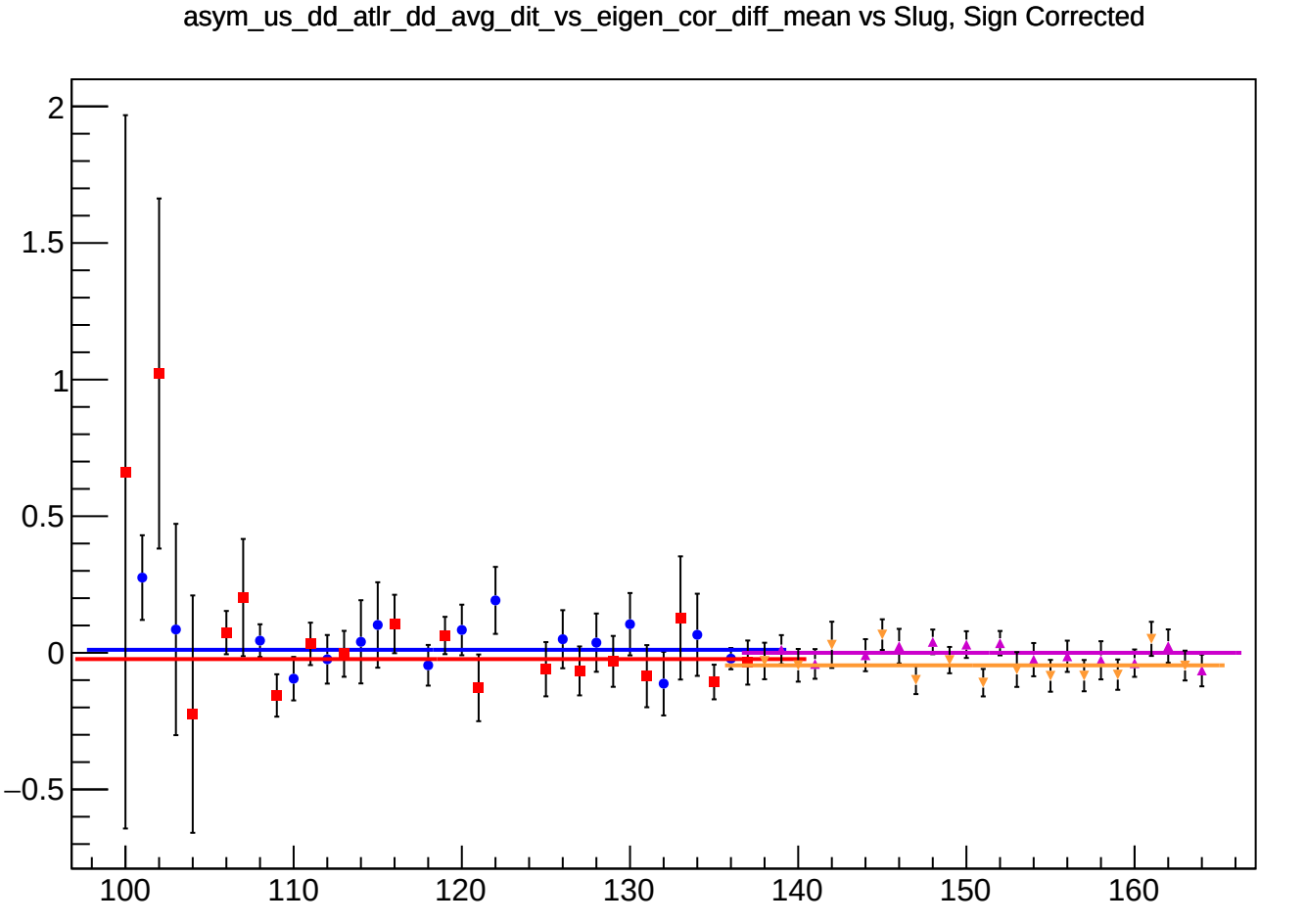
Left: 46.587+/-0.008 χ^2/NDF: 535860.6/25

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

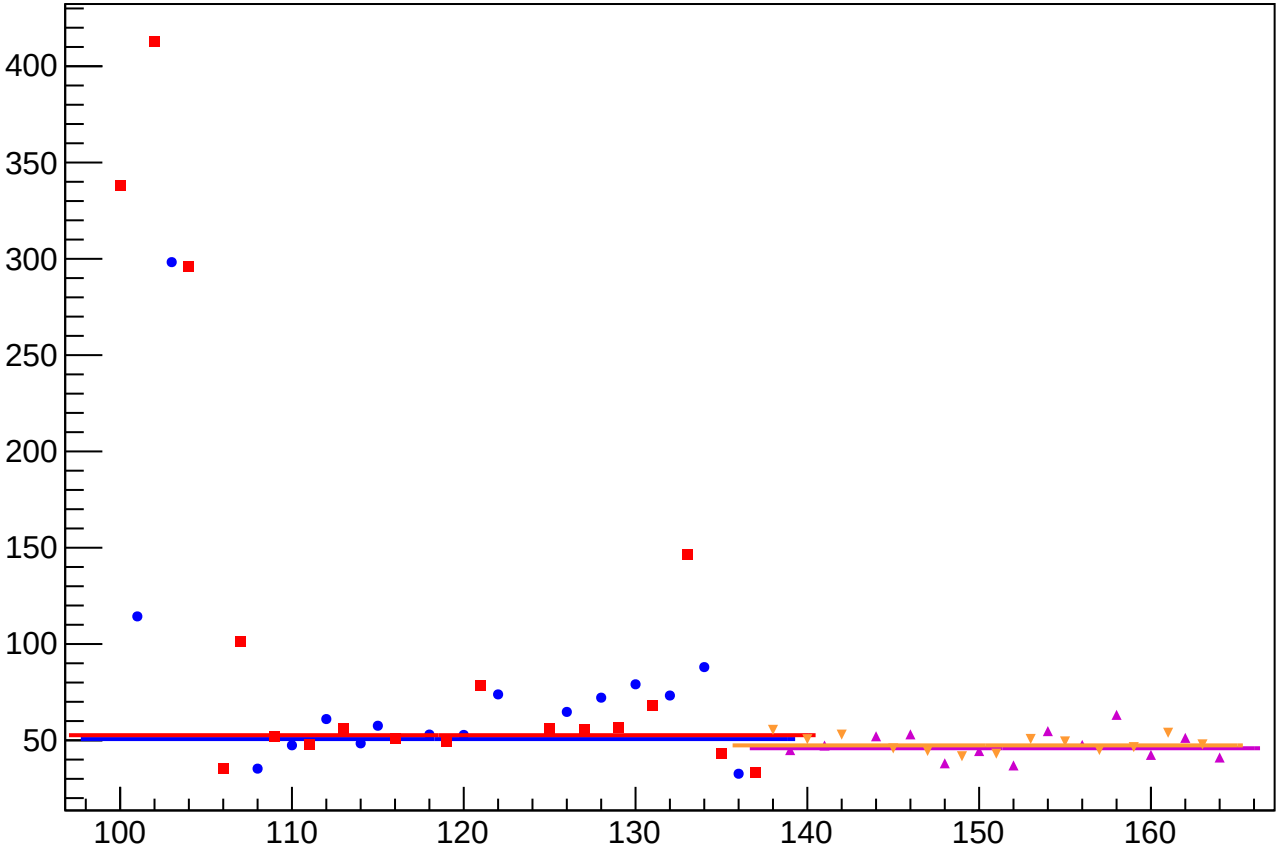
In: 47.421+/-0.009 χ^2/NDF:2729421.9/28

Out: 49.083+/-0.009 χ^2/NDF:2410860.1/30

All: 48.205+/-0.006 χ^2/NDF: 5157182.9/59


asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1.5
1
0.5
0
−0.5
100
110
120
130
140
150
160
Right In: 0.011+/-0.022 χ²/NDF: 11.7/15
Left Out: -0.046+/-0.016 χ²/NDF:11.4/12
Right Out: -0.023+/-0.023 χ²/NDF: 16.0/17
Left In: 0.000+/-0.015 χ²/NDF:4.9/12
Left: -0.022+/-0.011 χ²/NDF: 20.7/25
Right: -0.005+/-0.016 χ²/NDF: 28.8/33
In: 0.004+/-0.012 χ²/NDF:16.8/28
Out: -0.038+/-0.013 χ²/NDF:28.0/30
All: -0.016+/-0.009 χ²/NDF: 50.2/59

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: 47.372+/-0.011 χ^2/NDF:127894.9/12

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 45.885+/-0.011 χ^2/NDF:398796.2/12

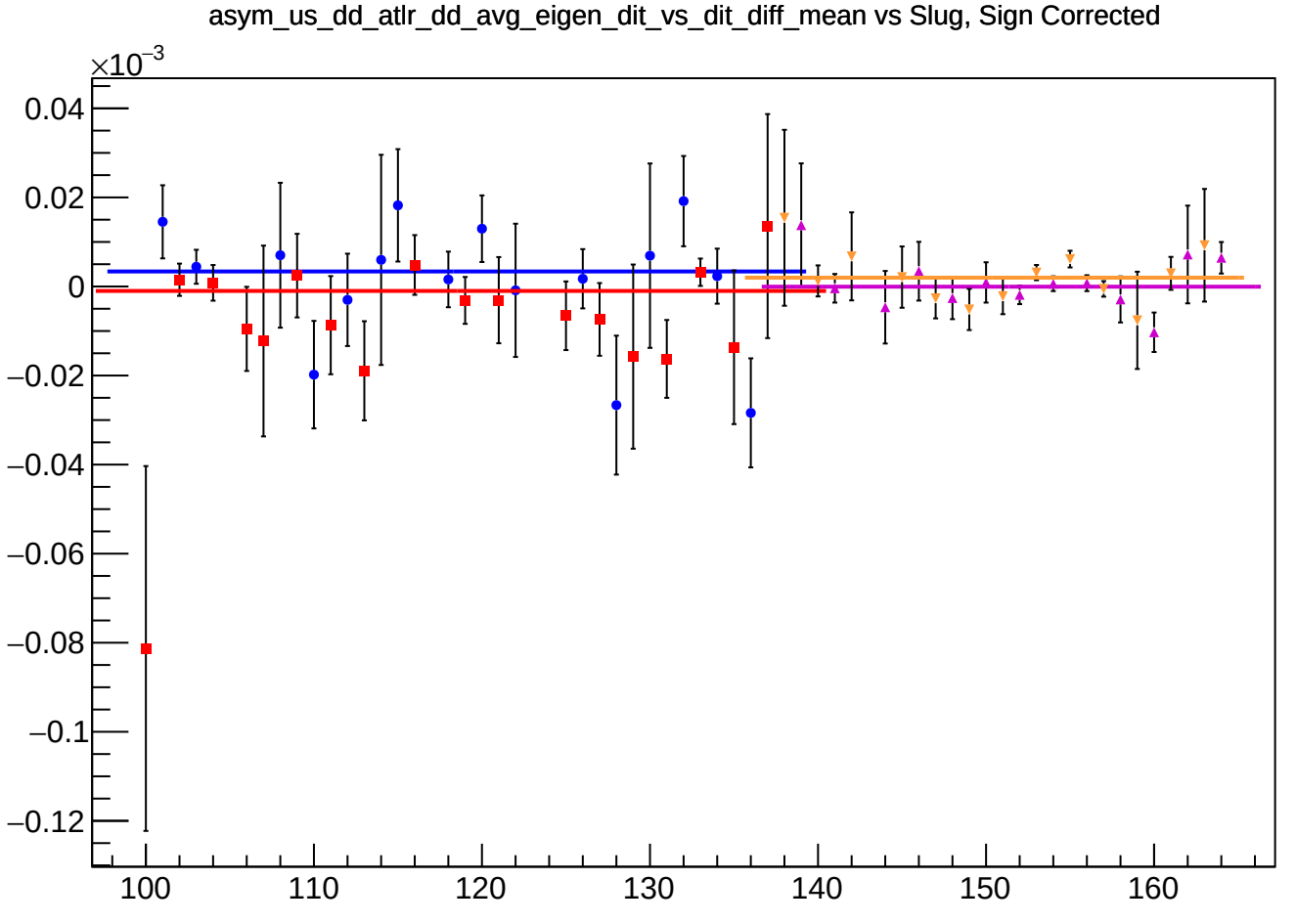
Left: 46.587+/-0.008 χ^2/NDF: 535860.6/25

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.421+/-0.009 χ^2/NDF:2729421.9/28

Out: 49.083+/-0.009 χ^2/NDF:2410860.1/30

All: 48.205+/-0.006 χ^2/NDF: 5157182.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/12

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:12.5/12

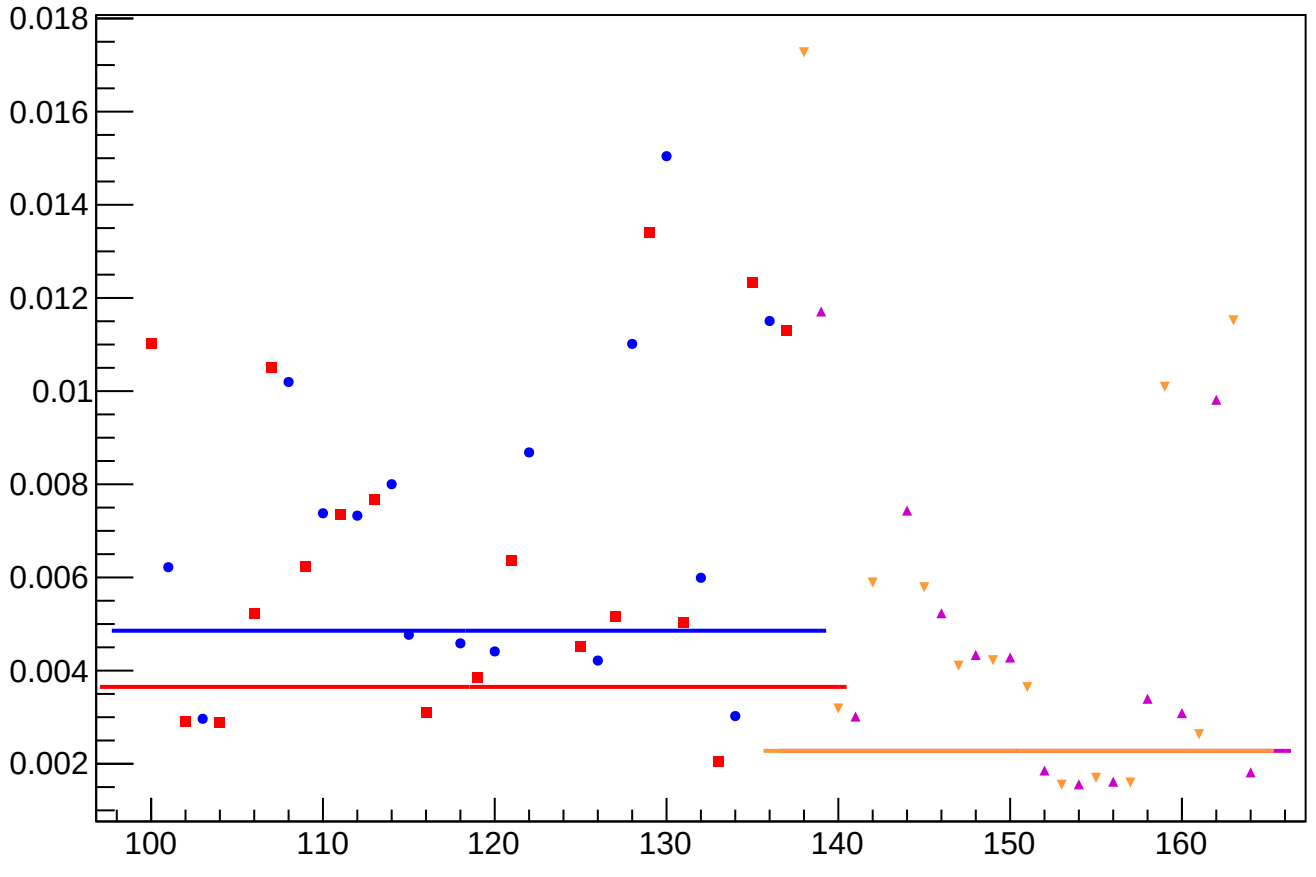
Left: 0.000+/-0.000 χ^2/NDF: 29.1/25

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:37.0/28

Out: 0.000+/-0.000 χ^2/NDF:33.9/30

All: 0.000+/-0.000 χ^2/NDF: 71.4/59



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:5958579.8/12

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:4870594.5/12

Left: 0.002+/-0.000 χ^2/NDF: 10829174.3/25

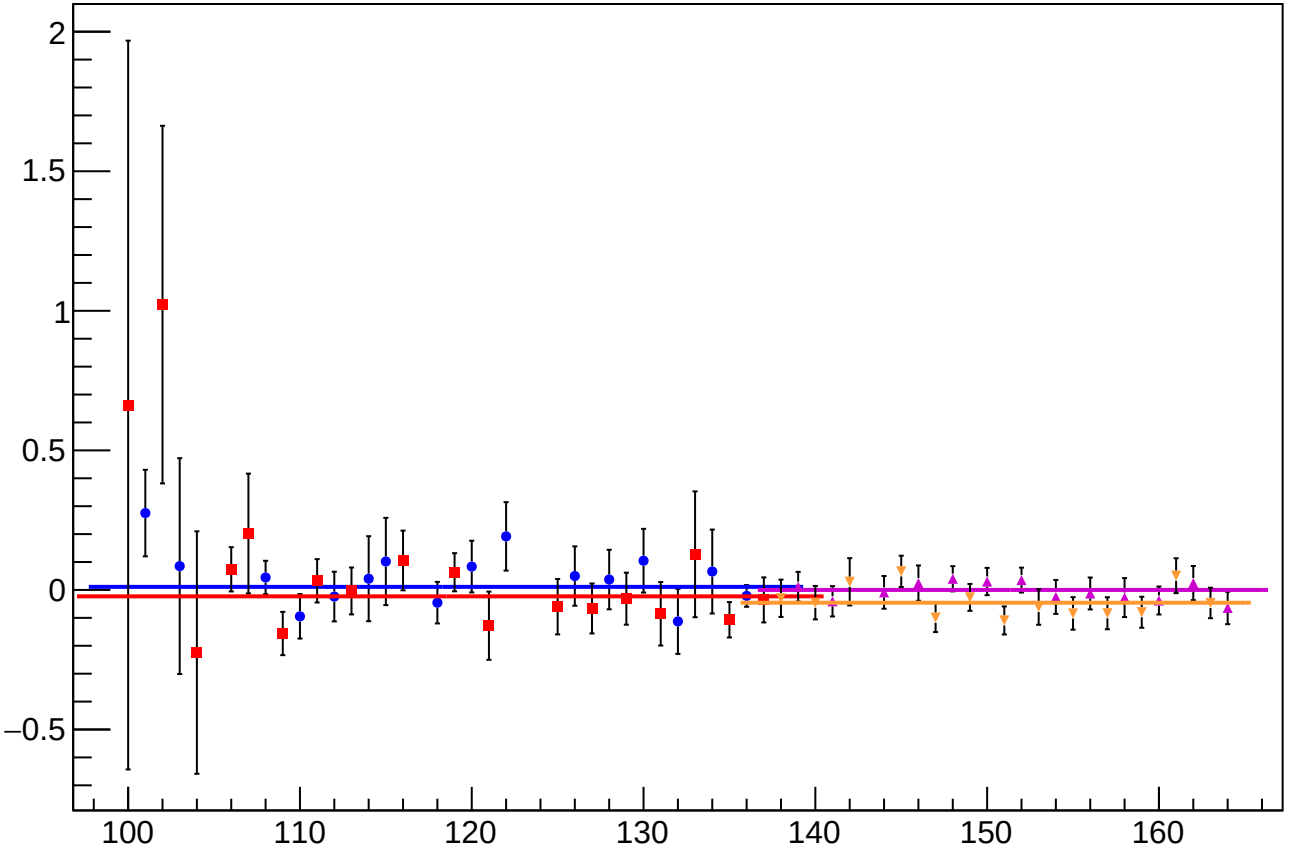
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.003+/-0.000 χ^2/NDF:10230635.7/28

Out: 0.003+/-0.000 χ^2/NDF:10240185.0/30

All: 0.003+/-0.000 χ^2/NDF: 20476950.8/59

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: -0.046+/-0.016 χ^2/NDF:11.4/12

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.015 χ^2/NDF:4.9/12

Left: -0.022+/-0.011 χ^2/NDF: 20.7/25

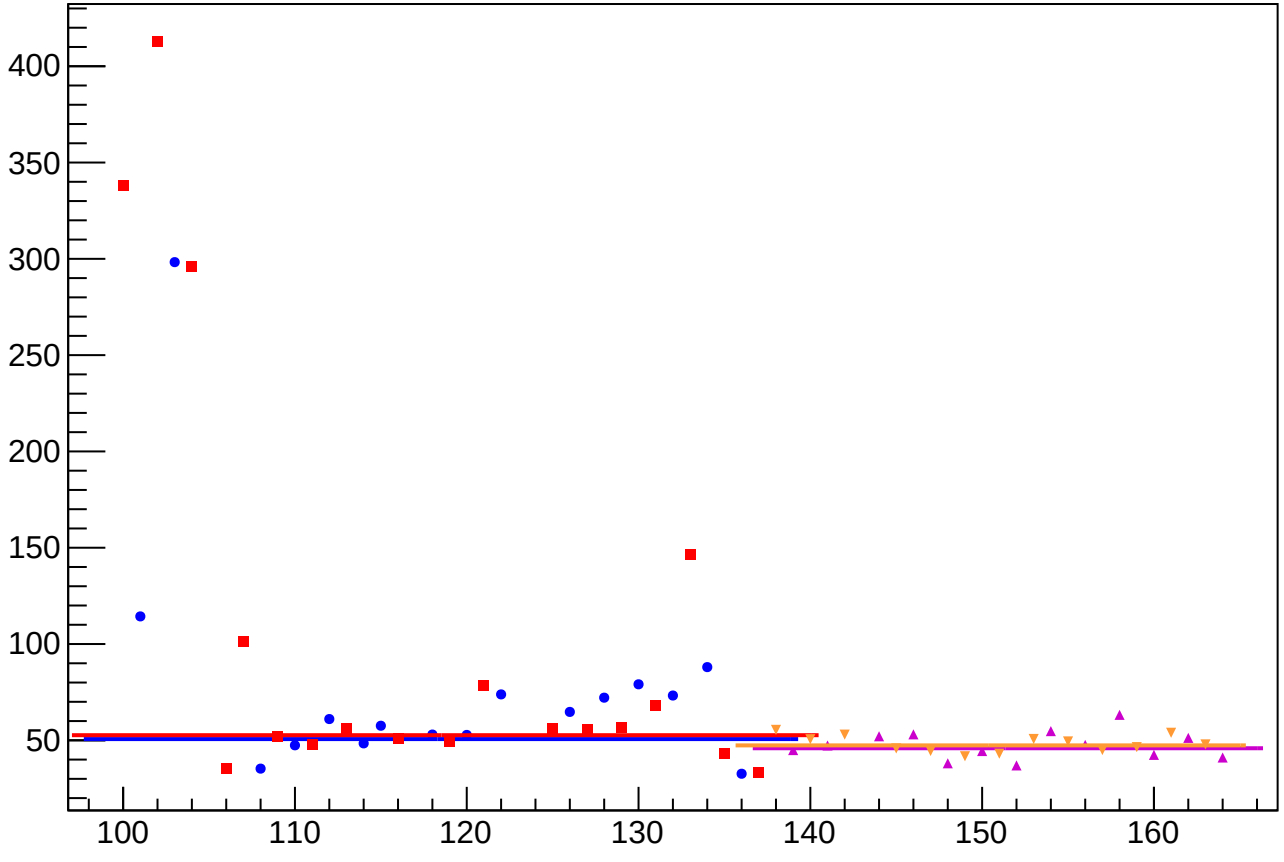
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.004+/-0.012 χ^2/NDF:16.8/28

Out: -0.038+/-0.013 χ^2/NDF:28.0/30

All: -0.016+/-0.009 χ^2/NDF: 50.2/59

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: 47.372+/-0.011 χ^2/NDF:127886.5/12

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.885+/-0.011 χ^2/NDF:398753.3/12

Left: 46.587+/-0.008 χ^2/NDF: 535802.2/25

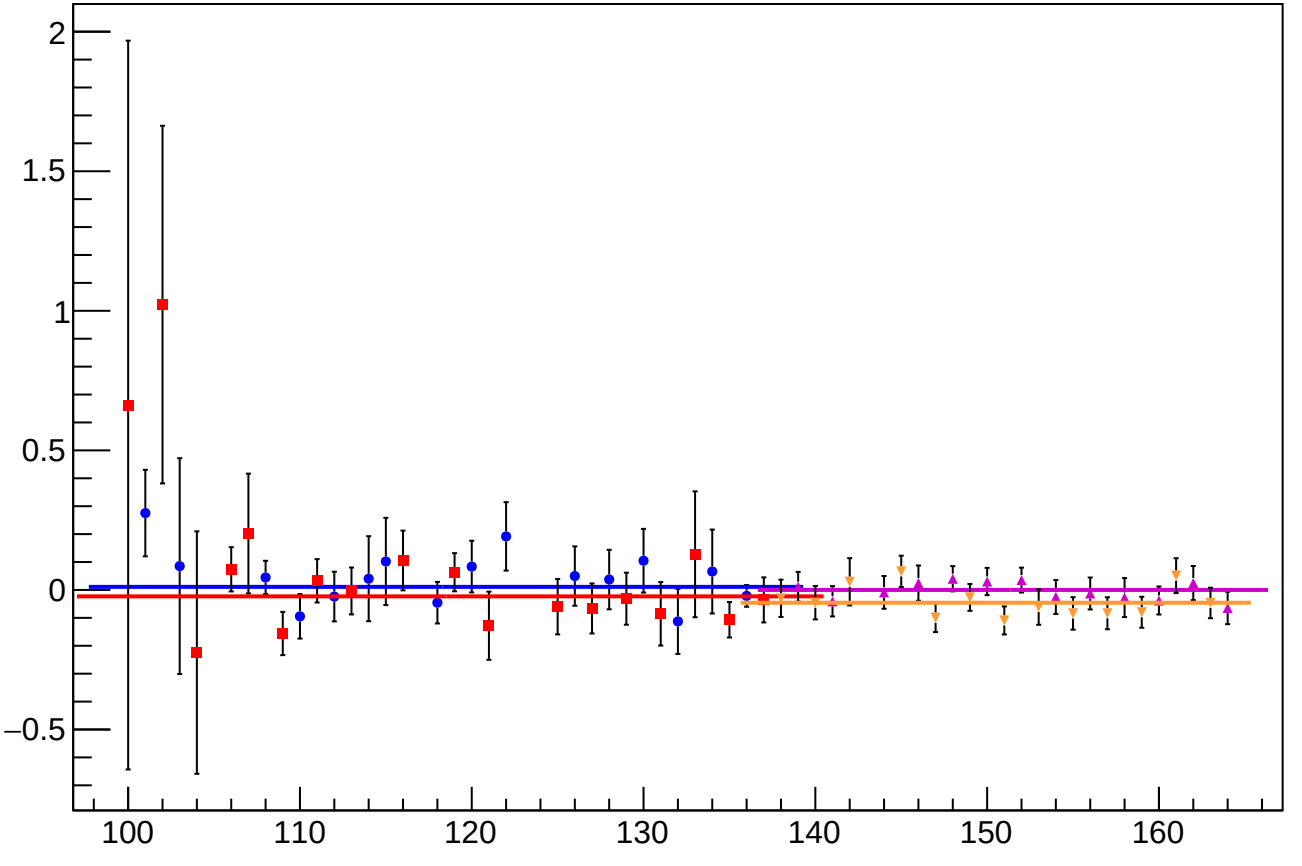
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.421+/-0.009 χ^2/NDF:2729292.5/28

Out: 49.082+/-0.009 χ^2/NDF:2410771.5/30

All: 48.205+/-0.006 χ^2/NDF: 5156958.3/59

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: -0.046+/-0.016 χ^2/NDF:11.4/12

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.015 χ^2/NDF:4.9/12

Left: -0.022+/-0.011 χ^2/NDF: 20.7/25

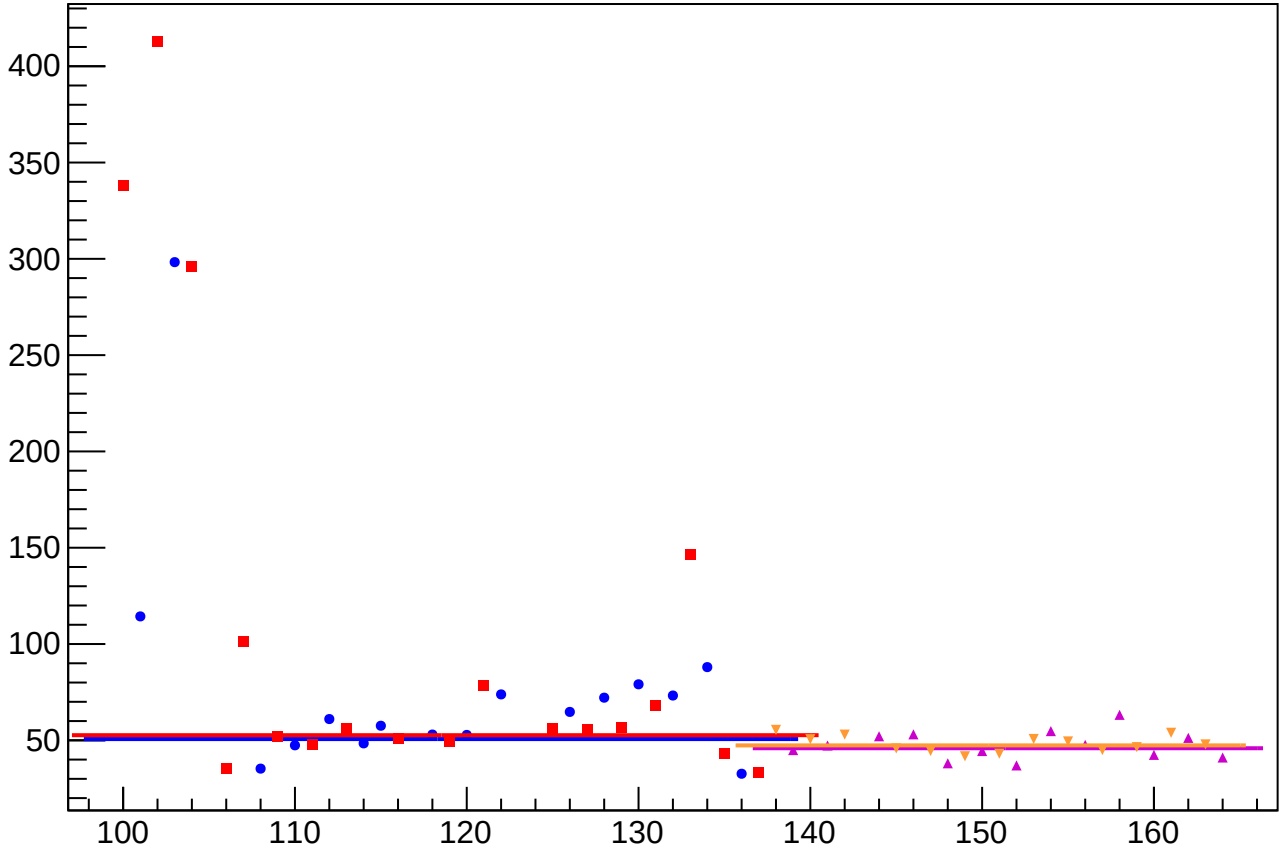
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.004+/-0.012 χ^2/NDF:16.8/28

Out: -0.038+/-0.013 χ^2/NDF:28.0/30

All: -0.016+/-0.009 χ^2/NDF: 50.2/59

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: 47.372+/-0.011 χ^2/NDF:127886.5/12

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 45.885+/-0.011 χ^2/NDF:398753.3/12

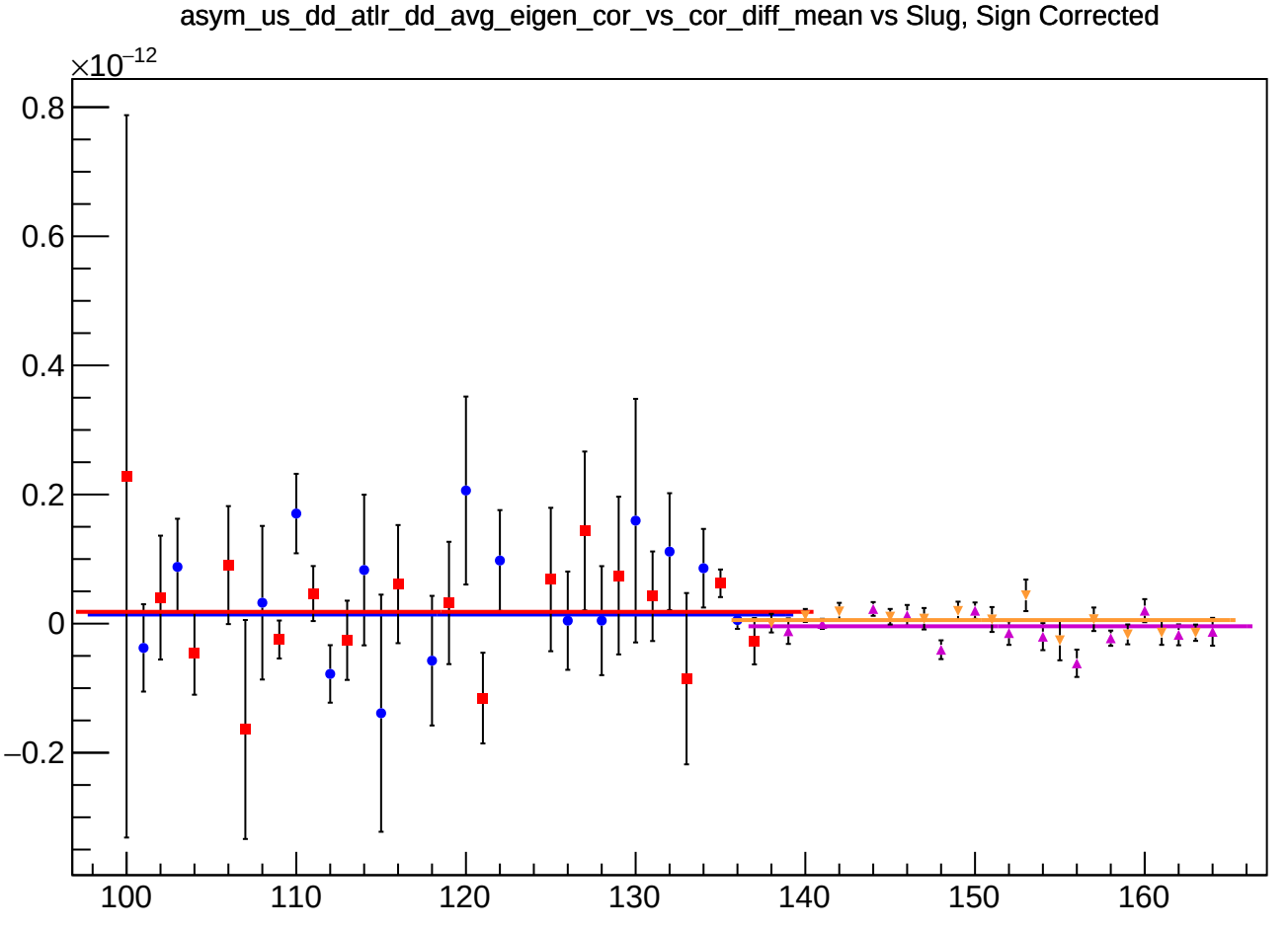
Left: 46.587+/-0.008 χ^2/NDF: 535802.2/25

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.421+/-0.009 χ^2/NDF:2729292.5/28

Out: 49.082+/-0.009 χ^2/NDF:2410771.5/30

All: 48.205+/-0.006 χ^2/NDF: 5156958.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:31.1/12

Left: 0.000+/-0.000 χ^2/NDF: 45.7/25

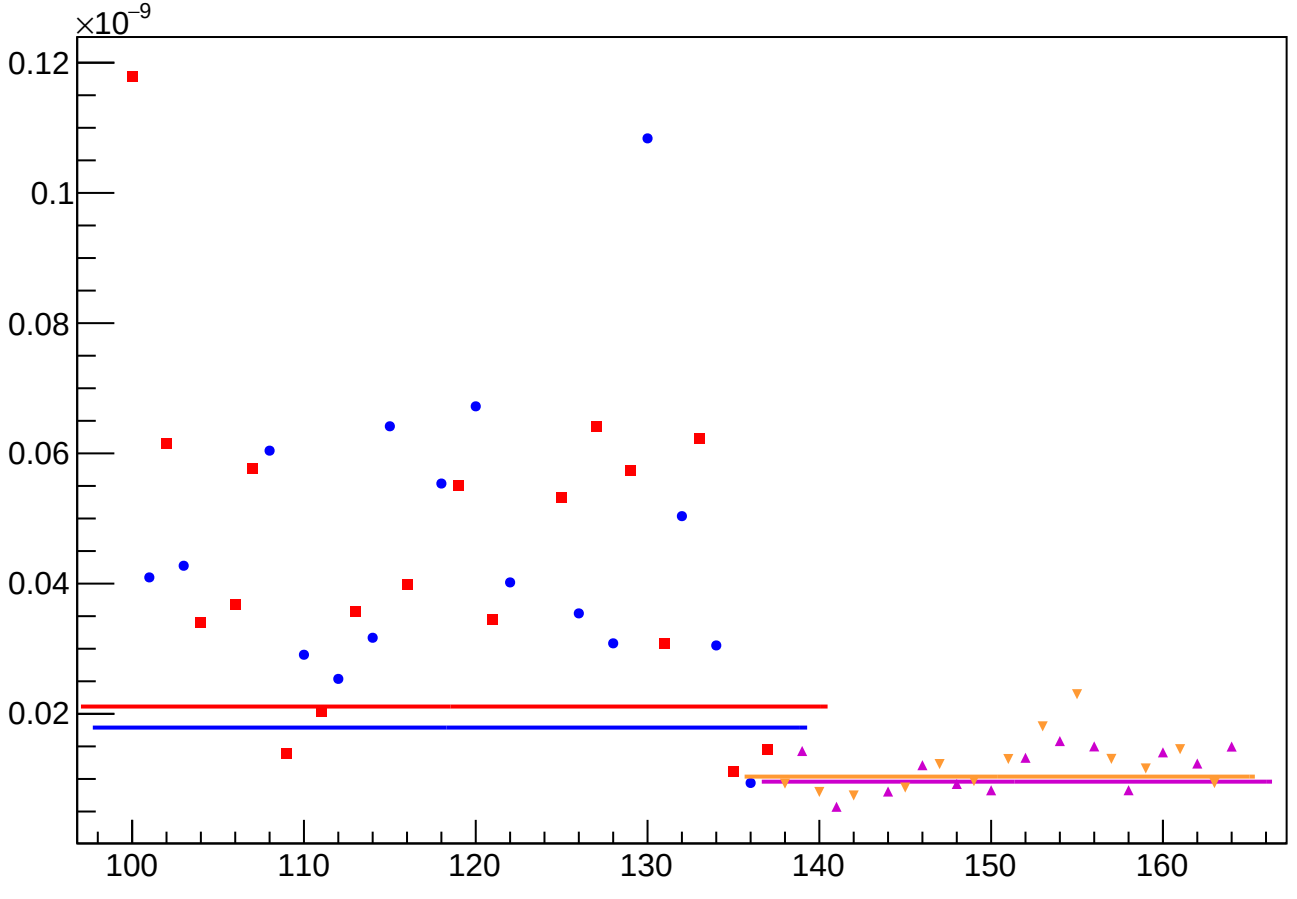
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:53.7/28

Out: 0.000+/-0.000 χ^2/NDF:30.8/30

All: 0.000+/-0.000 χ^2/NDF: 87.2/59

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1029881.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1434584.0/12

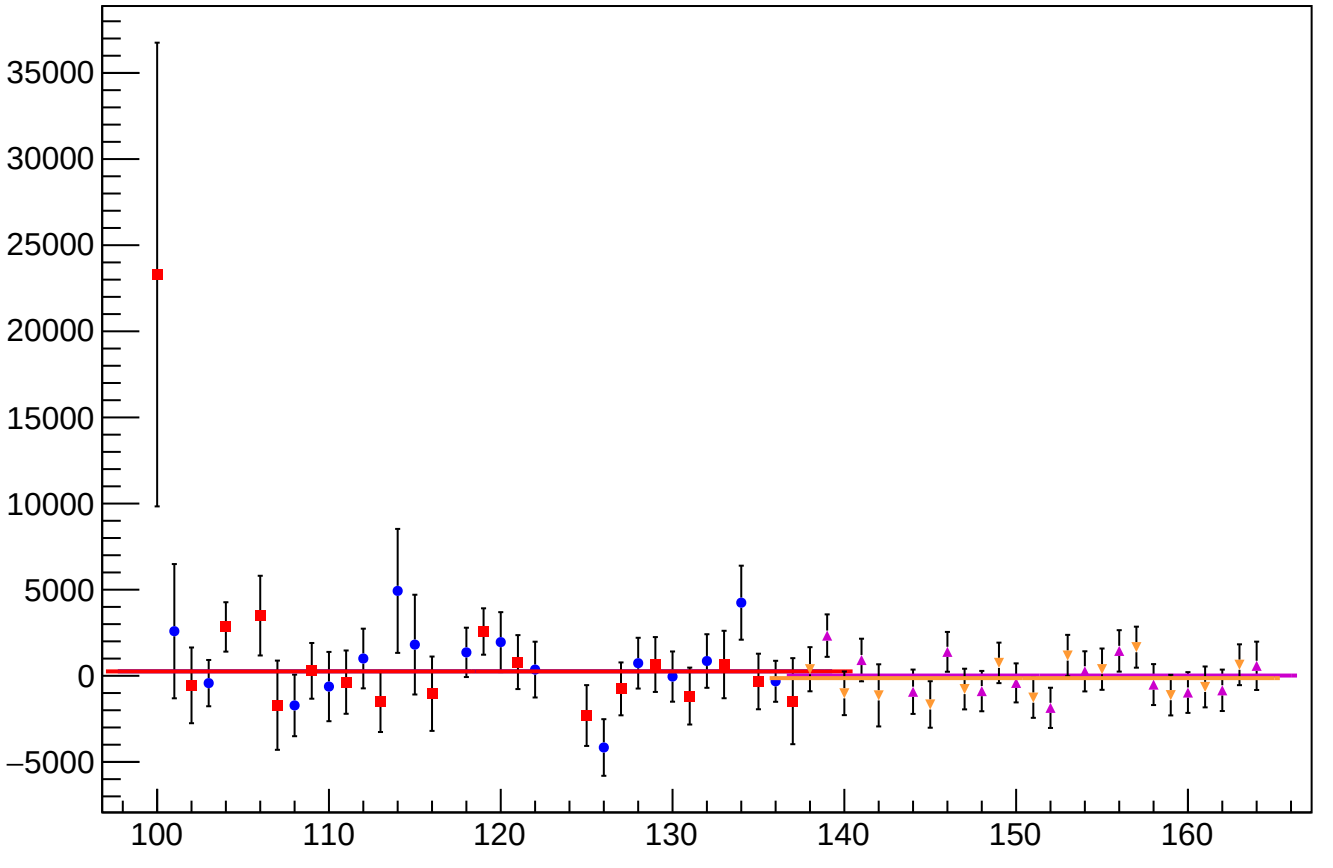
Left: 0.000+/-0.000 χ^2/NDF: 2501424.3/25

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5796022.9/28

Out: 0.000+/-0.000 χ^2/NDF:4978092.7/30

All: 0.000+/-0.000 χ^2/NDF: 10839244.0/59



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -135.068+/-343.150 χ^2/NDF:9.0/12

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 14.917+/-334.191 χ^2/NDF:12.4/12

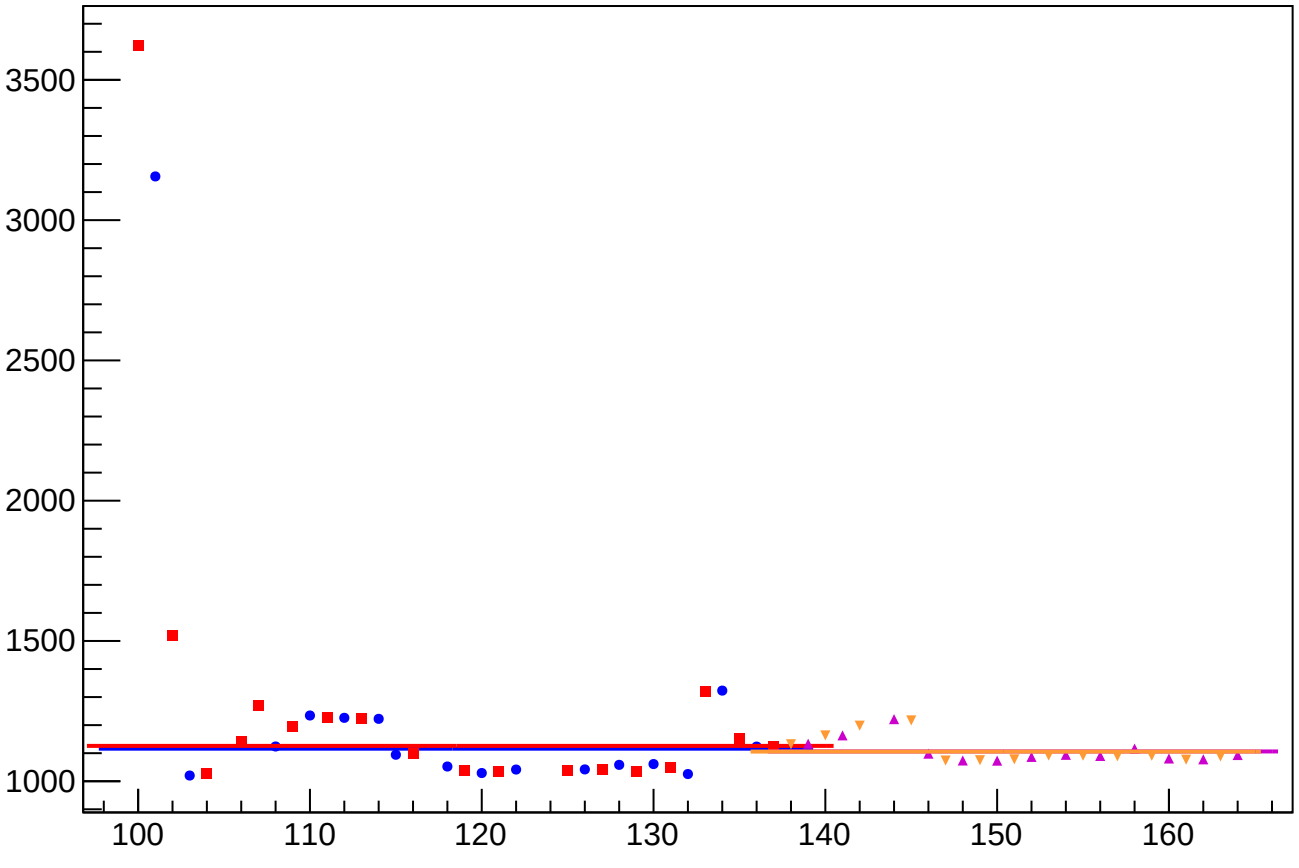
Left: -58.092+/-239.413 χ^2/NDF: 21.4/25

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 108.955+/-262.621 χ^2/NDF:29.5/28

Out: 18.893+/-267.181 χ^2/NDF:26.9/30

All: 64.699+/-187.292 χ^2/NDF: 56.4/59



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1105.739+/-0.243 χ^2/NDF:30581.5/12

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1106.176+/-0.236 χ^2/NDF:27978.8/12

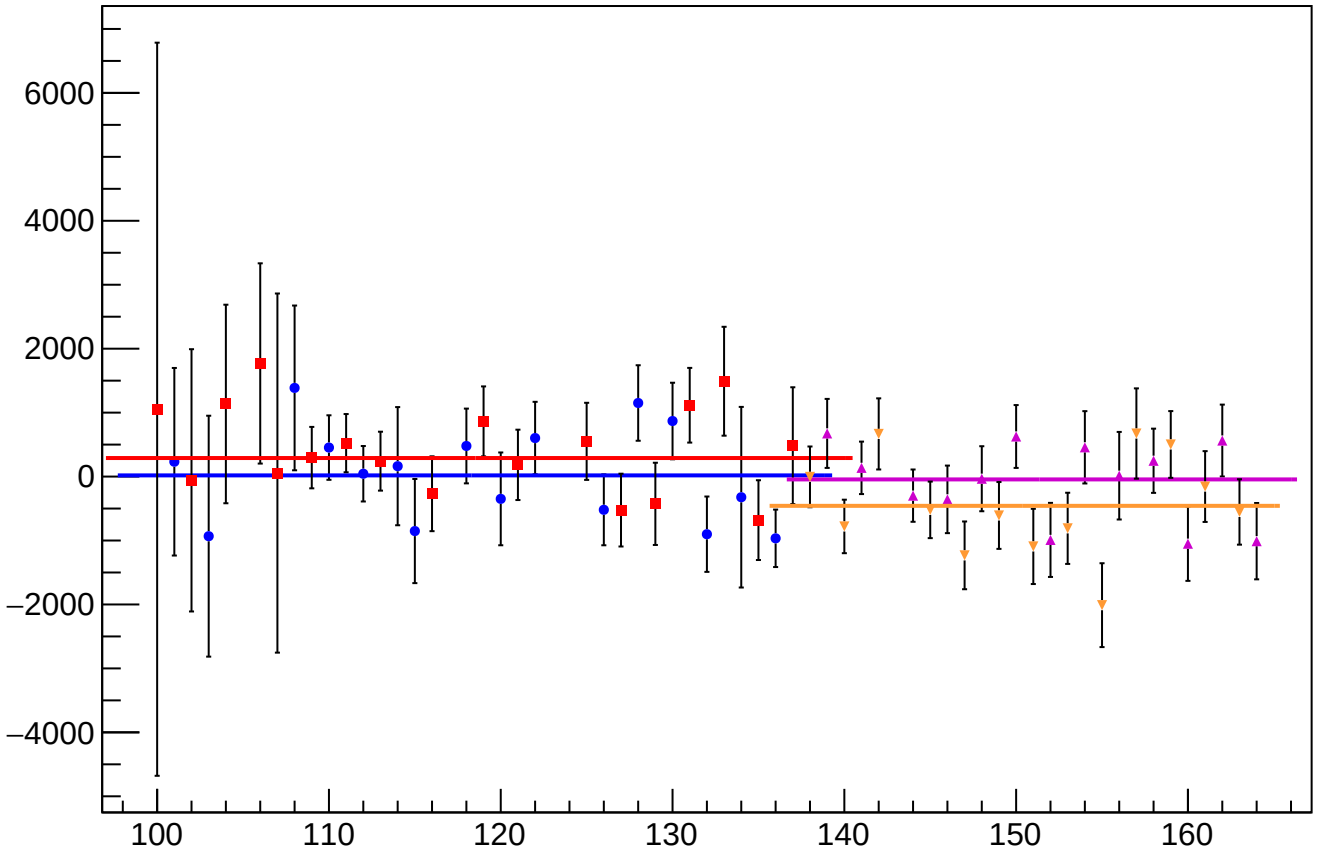
Left: 1105.963+/-0.169 χ^2/NDF: 58562.0/25

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1109.968+/-0.186 χ^2/NDF:652042.7/28

Out: 1113.723+/-0.189 χ^2/NDF:255437.2/30

All: 1111.813+/-0.132 χ^2/NDF: 907680.8/59



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -457.634+/-145.977 χ^2/NDF:21.3/12

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -44.437+/-144.202 χ^2/NDF:15.2/12

Left: -248.509+/-102.588 χ^2/NDF: 40.5/25

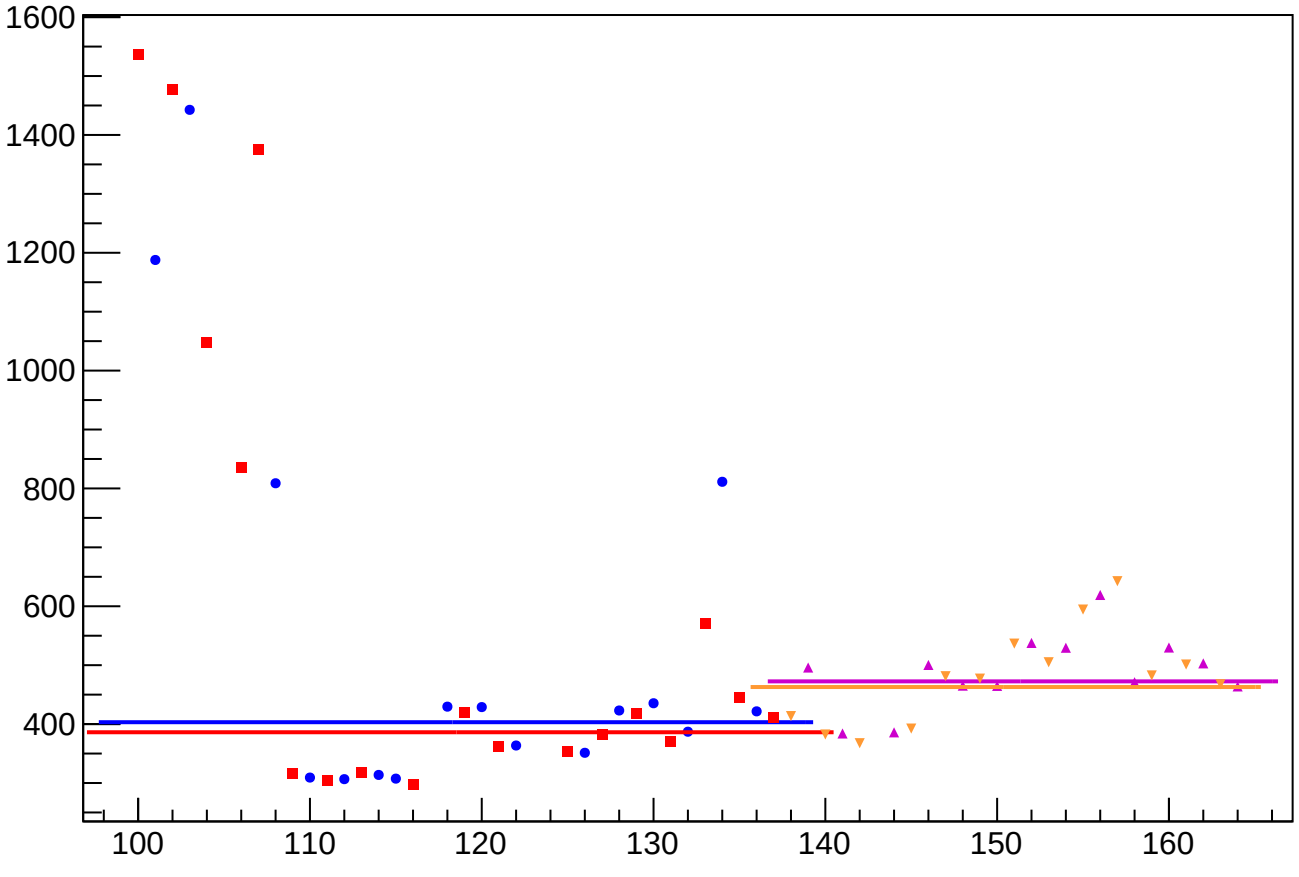
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: -16.482+/-107.486 χ^2/NDF:34.4/28

Out: -109.080+/-106.649 χ^2/NDF:47.0/30

All: -63.143+/-75.706 χ^2/NDF: 81.8/59

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: 462.897+/-0.103 χ^2/NDF:474600.8/12

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 472.524+/-0.102 χ^2/NDF:356230.3/12

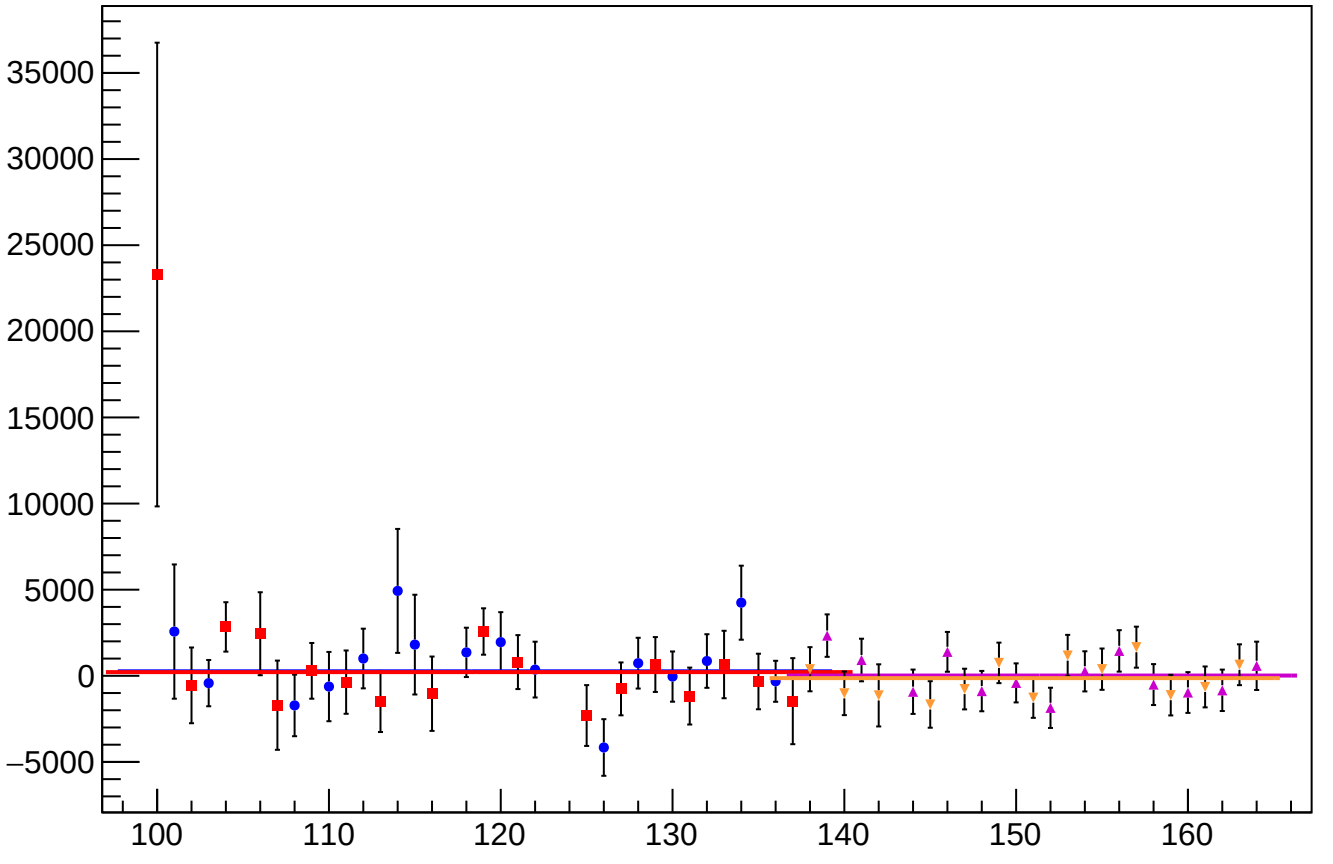
Left: 467.769+/-0.073 χ^2/NDF: 835233.6/25

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 441.714+/-0.076 χ^2/NDF:2370110.1/28

Out: 427.112+/-0.075 χ^2/NDF:2491488.2/30

All: 434.356+/-0.054 χ^2/NDF: 4880196.0/59



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -135.081+/-343.150 χ^2/NDF:9.0/12

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 14.907+/-334.191 χ^2/NDF:12.4/12

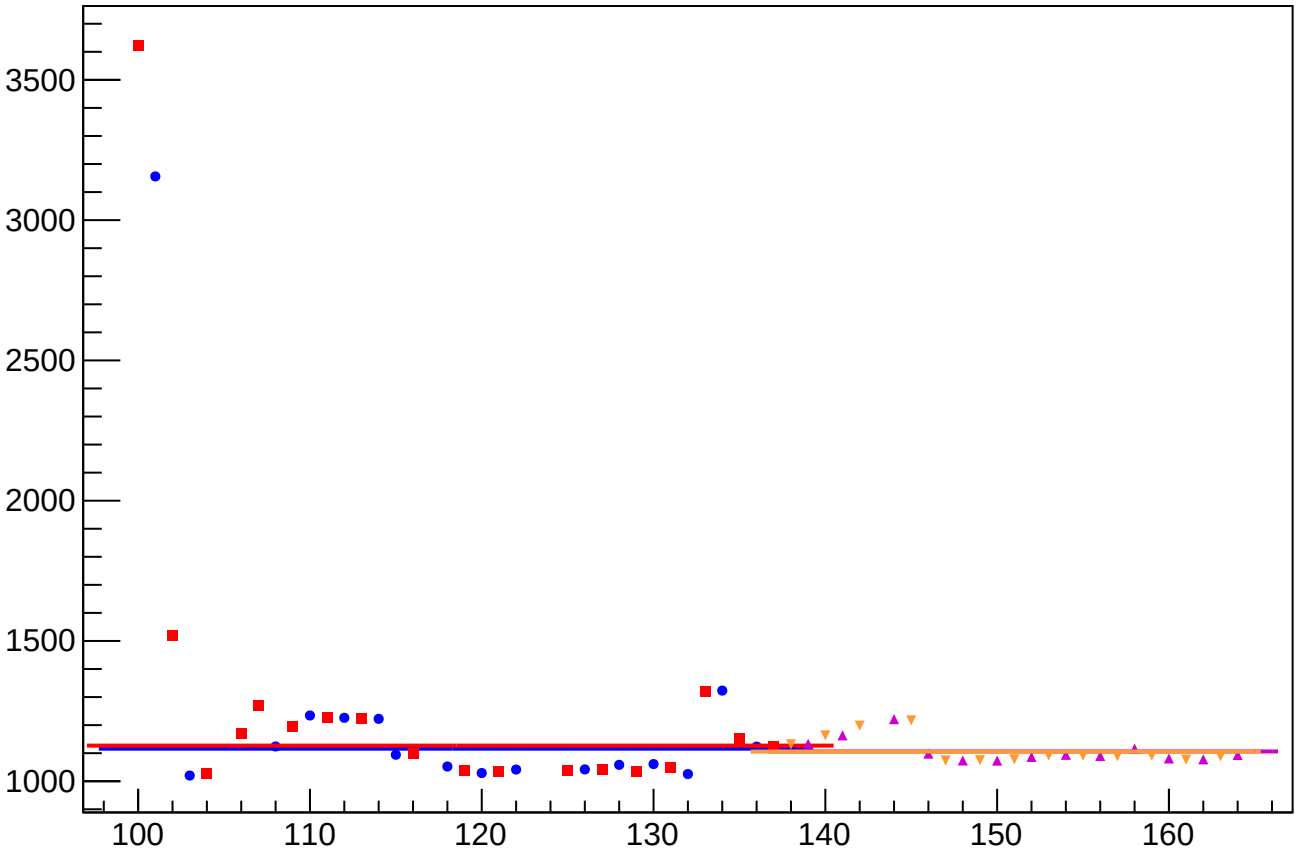
Left: -58.103+/-239.413 χ^2/NDF: 21.4/25

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 108.803+/-262.621 χ^2/NDF:29.5/28

Out: 2.352+/-267.319 χ^2/NDF:25.6/30

All: 56.521+/-187.340 χ^2/NDF: 55.2/59



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1105.739+/-0.243 χ^2/NDF:30581.5/12

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1106.176+/-0.236 χ^2/NDF:27978.8/12

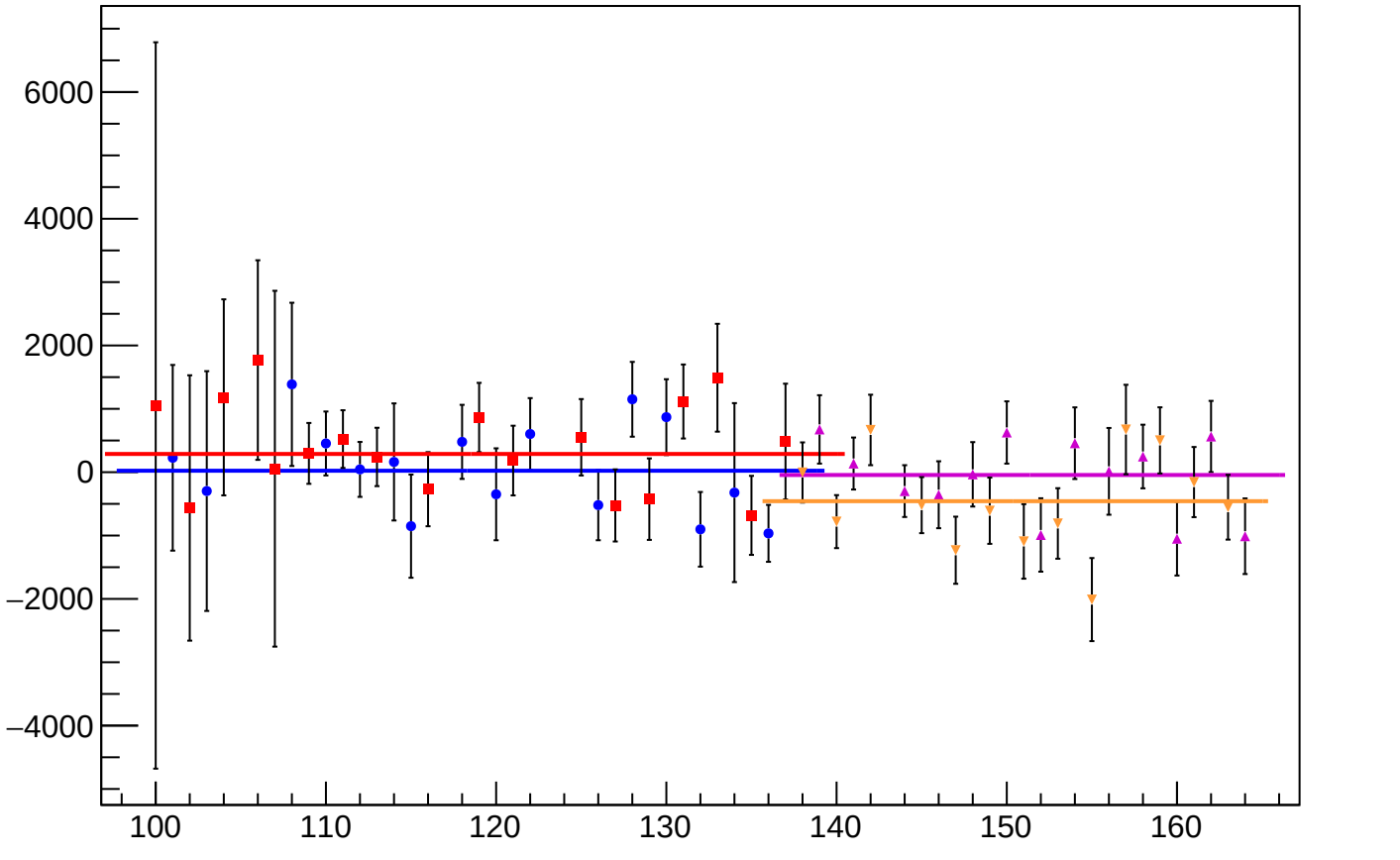
Left: 1105.963+/-0.169 χ^2/NDF: 58562.0/25

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

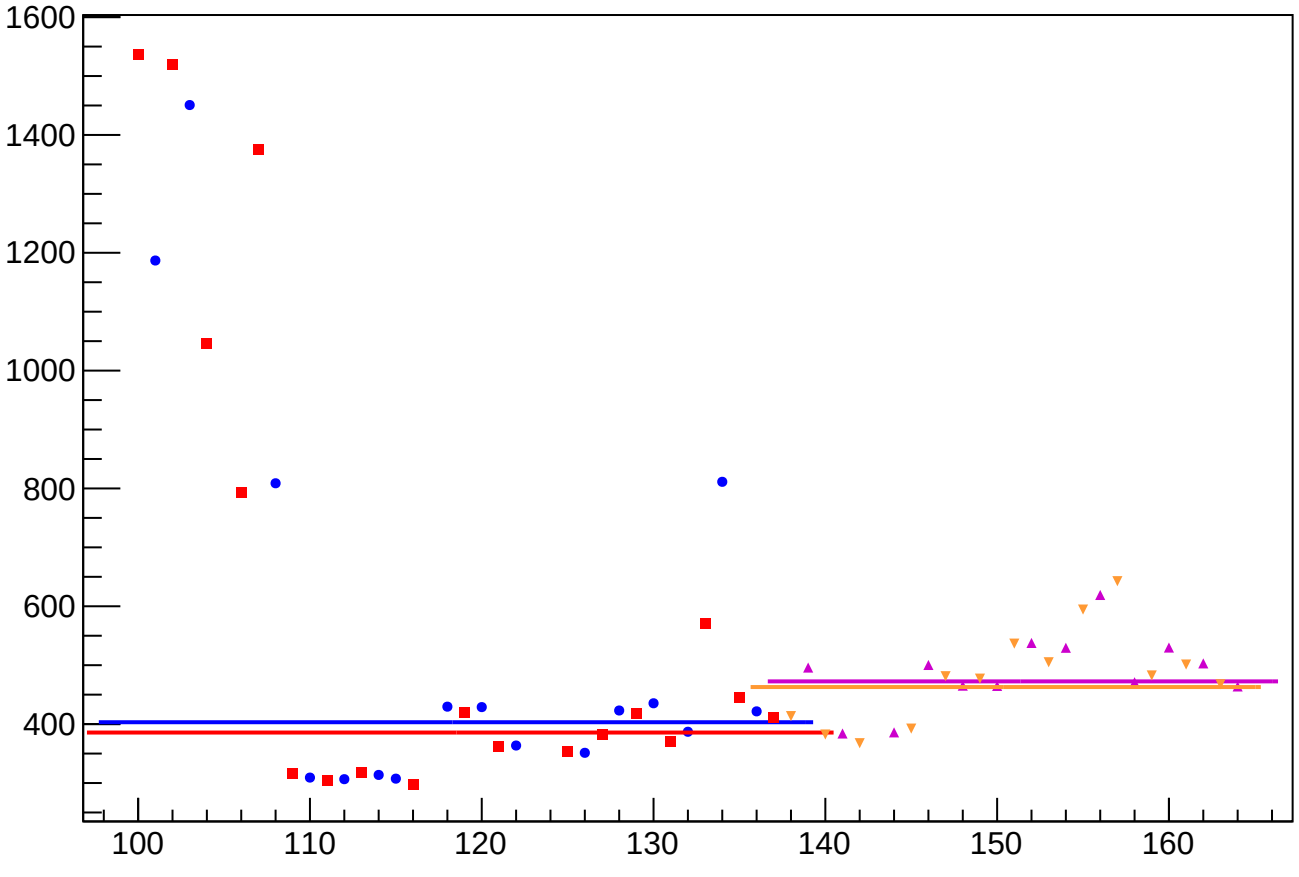
In: 1109.967+/-0.186 χ^2/NDF:652043.7/28

Out: 1114.082+/-0.189 χ^2/NDF:256328.8/30

All: 1111.988+/-0.132 χ^2/NDF: 908613.5/59


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -457.690+/-145.976 χ²/NDF:21.3/12
Right Out: 287.614+/-156.212 χ²/NDF: 13.7/17
Left In: -44.416+/-144.201 χ²/NDF:15.2/12
Left: -248.525+/-102.587 χ²/NDF: 40.5/25
Right: 159.458+/-112.193 χ²/NDF: 34.0/33
In: -14.491+/-107.486 χ²/NDF:34.2/28
Out: -110.255+/-106.656 χ²/NDF:47.1/30
All: -62.744+/-75.709 χ²/NDF: 81.7/59

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 462.893+/-0.103 χ^2/NDF:474623.7/12

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 472.520+/-0.102 χ^2/NDF:356210.8/12

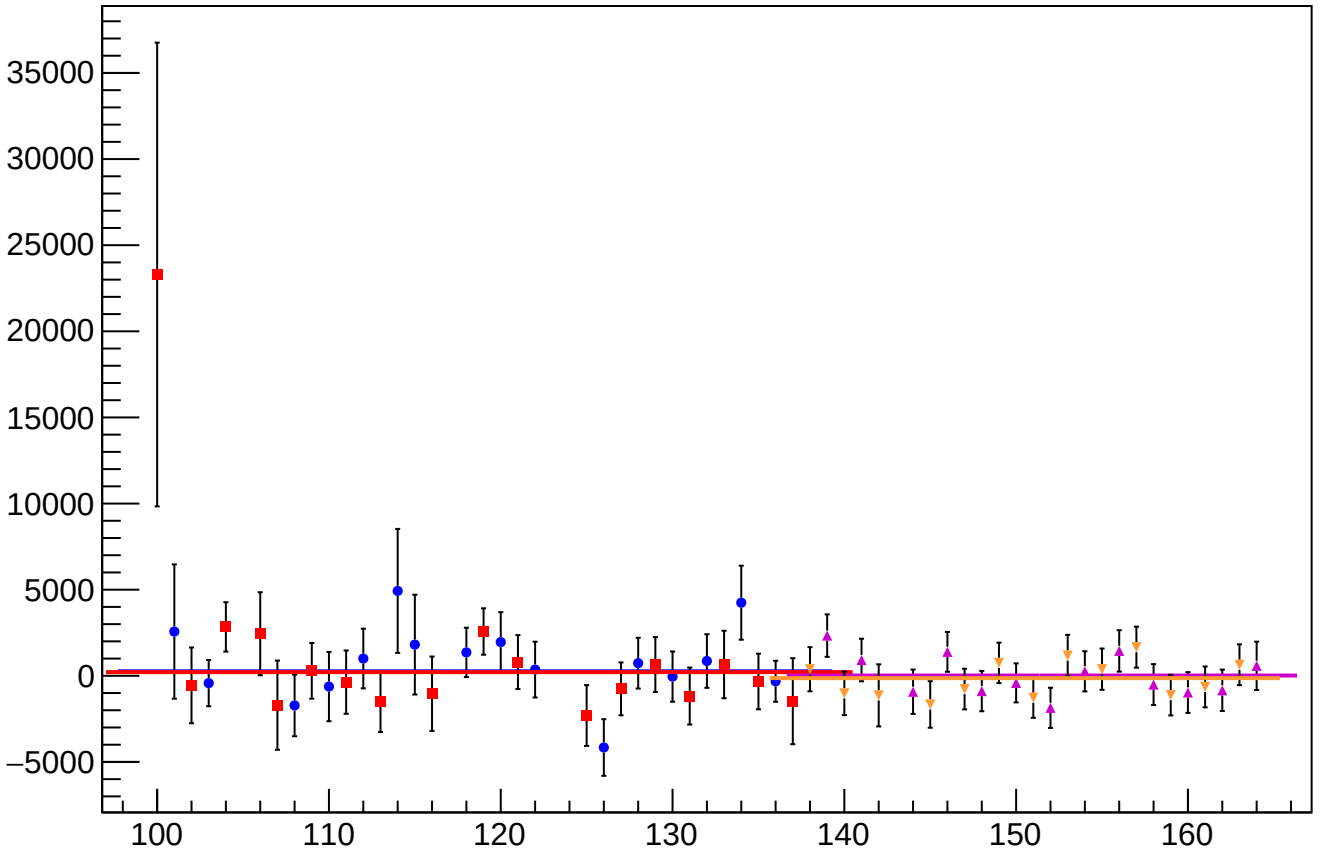
Left: 467.766+/-0.073 χ^2/NDF: 835236.7/25

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 441.707+/-0.076 χ^2/NDF:2373817.7/28

Out: 426.900+/-0.075 χ^2/NDF:2482616.9/30

All: 434.246+/-0.054 χ^2/NDF: 4875558.4/59



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -135.081+/-343.150 χ^2/NDF:9.0/12

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 14.907+/-334.191 χ^2/NDF:12.4/12

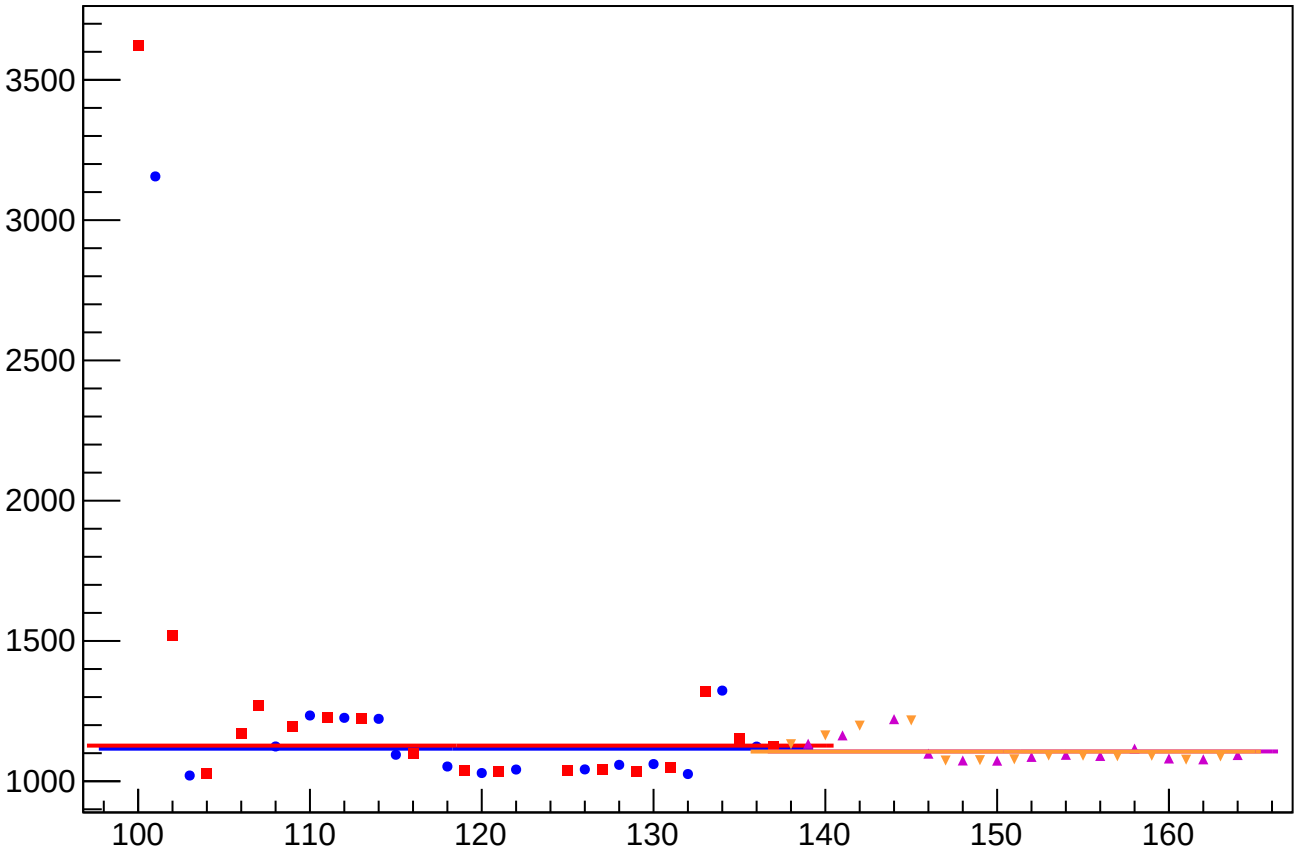
Left: -58.103+/-239.413 χ^2/NDF: 21.4/25

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 108.803+/-262.621 χ^2/NDF:29.5/28

Out: 2.352+/-267.319 χ^2/NDF:25.6/30

All: 56.521+/-187.340 χ^2/NDF: 55.2/59



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1105.739+/-0.243 χ^2/NDF:30581.5/12

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1106.176+/-0.236 χ^2/NDF:27978.8/12

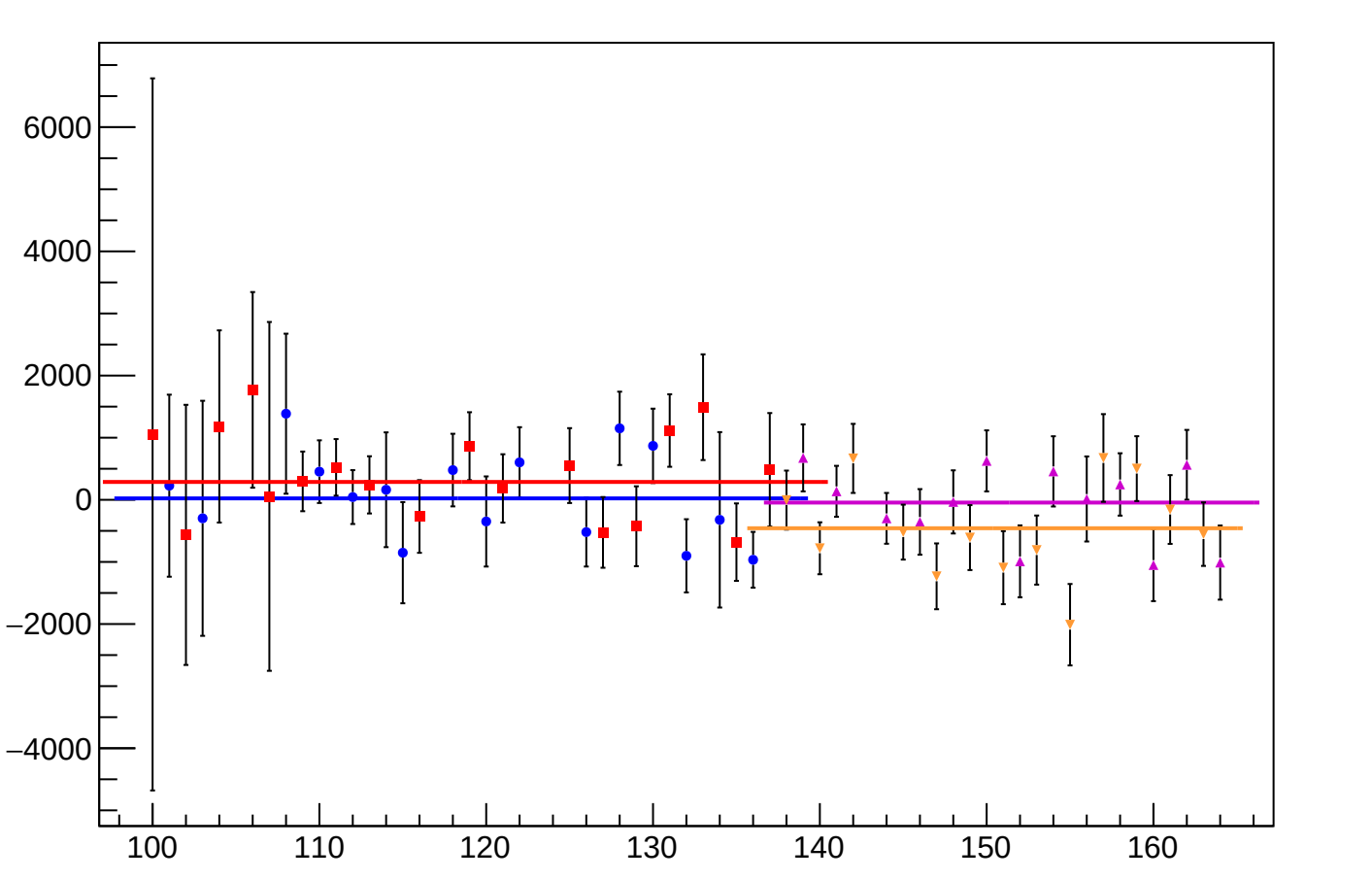
Left: 1105.963+/-0.169 χ^2/NDF: 58562.0/25

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1109.967+/-0.186 χ^2/NDF:652043.7/28

Out: 1114.082+/-0.189 χ^2/NDF:256328.8/30

All: 1111.988+/-0.132 χ^2/NDF: 908613.5/59


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
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140
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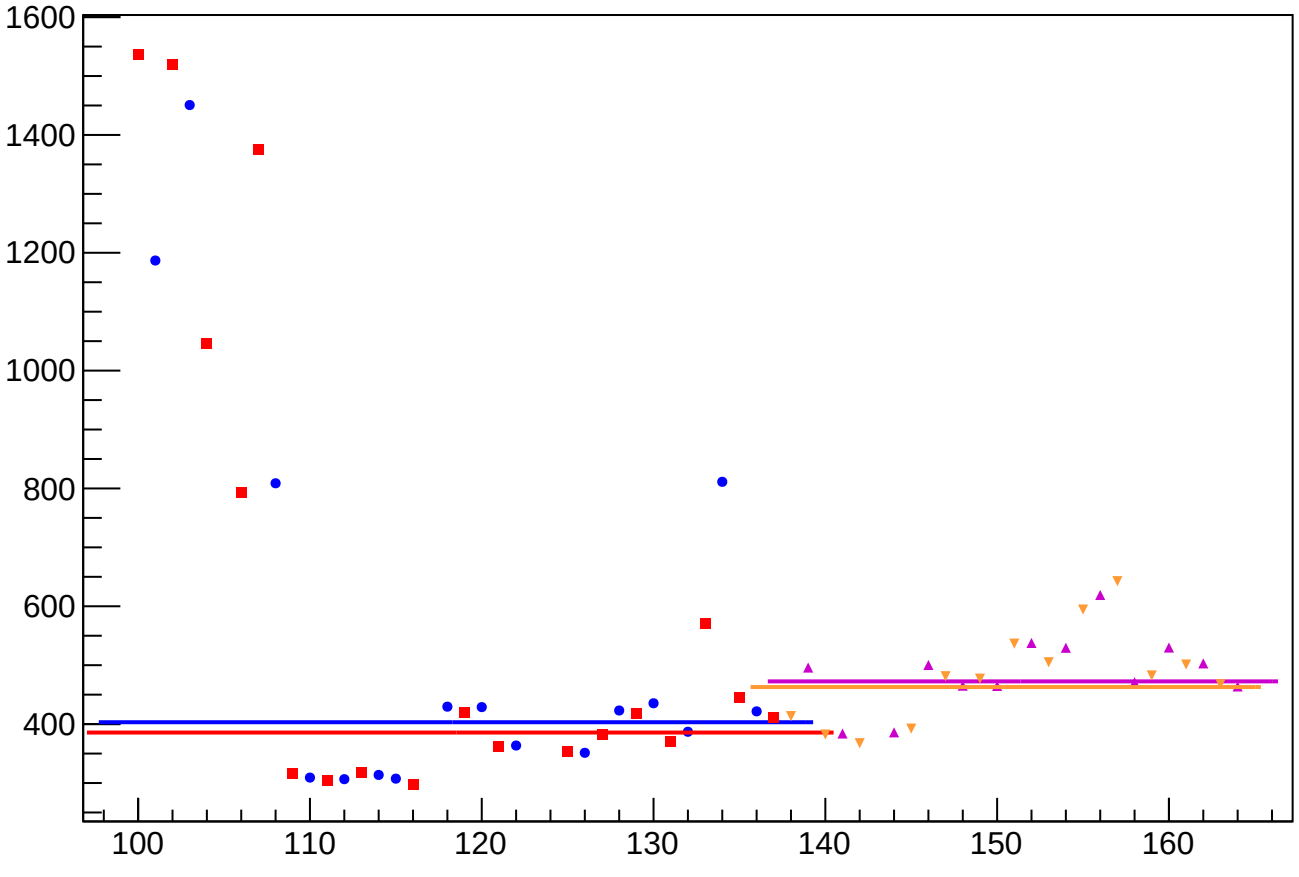
160
Right In: 22.923+/-161.238 χ²/NDF: 19.0/15
Left Out: -457.690+/-145.976 χ²/NDF:21.3/12
Right Out: 287.614+/-156.212 χ²/NDF: 13.7/17
Left In: -44.416+/-144.201 χ²/NDF:15.2/12
Left: -248.525+/-102.587 χ²/NDF: 40.5/25
Right: 159.458+/-112.193 χ²/NDF: 34.0/33
In: -14.491+/-107.486 χ²/NDF:34.2/28
Out: -110.255+/-106.656 χ²/NDF:47.1/30
All: -62.744+/-75.709 χ²/NDF: 81.7/59

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: 462.893+/-0.103 χ^2/NDF:474623.7/12

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 472.520+/-0.102 χ^2/NDF:356210.8/12

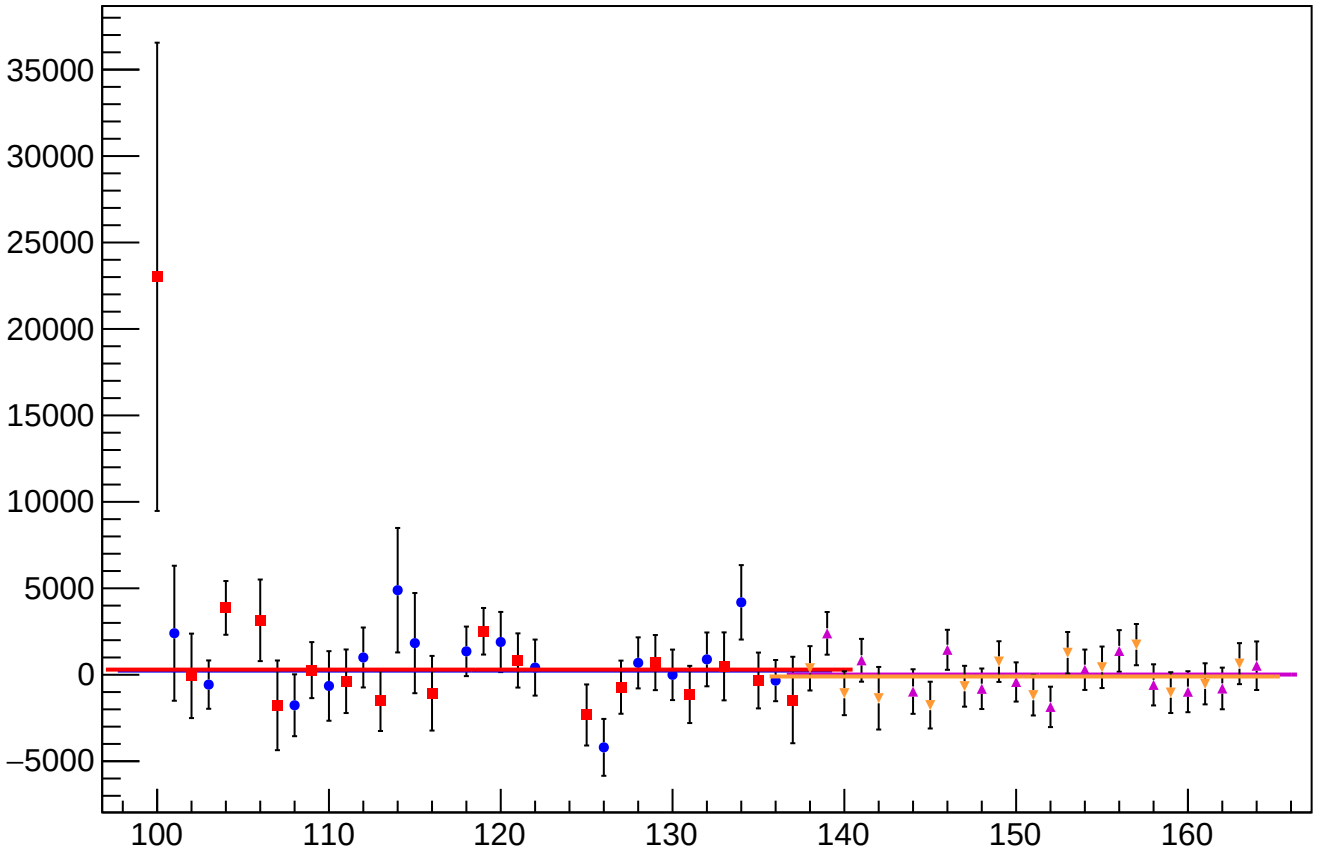
Left: 467.766+/-0.073 χ^2/NDF: 835236.7/25

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 441.707+/-0.076 χ^2/NDF:2373817.7/28

Out: 426.900+/-0.075 χ^2/NDF:2482616.9/30

All: 434.246+/-0.054 χ^2/NDF: 4875558.4/59



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -99.532+/-343.558 χ^2/NDF:9.3/12

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 12.516+/-334.569 χ^2/NDF:12.4/12

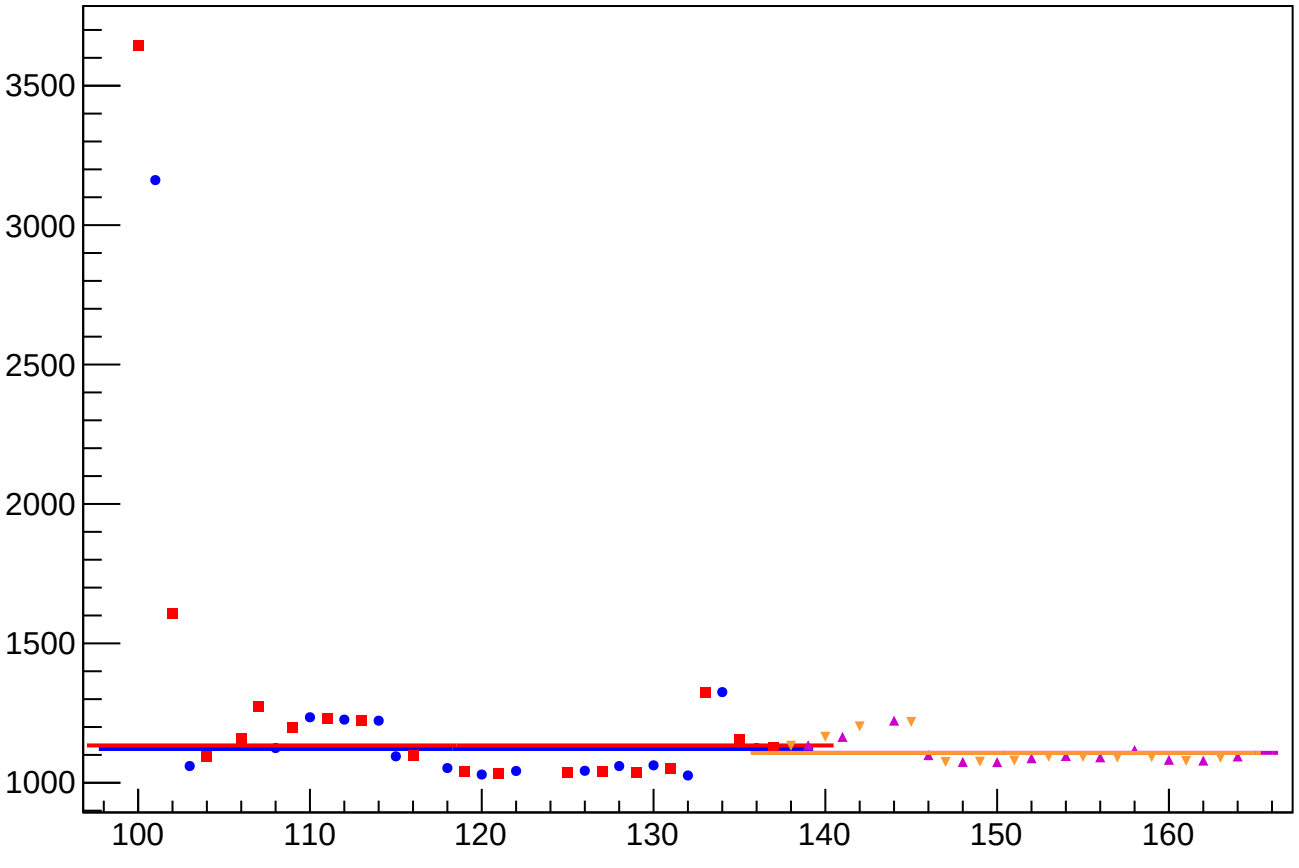
Left: -42.023+/-239.691 χ^2/NDF: 21.8/25

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 99.466+/-263.261 χ^2/NDF:29.5/28

Out: 55.381+/-268.594 χ^2/NDF:28.6/30

All: 77.866+/-188.011 χ^2/NDF: 58.0/59



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1107.037+/-0.243 χ^2/NDF:30941.9/12

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1107.422+/-0.237 χ^2/NDF:28020.8/12

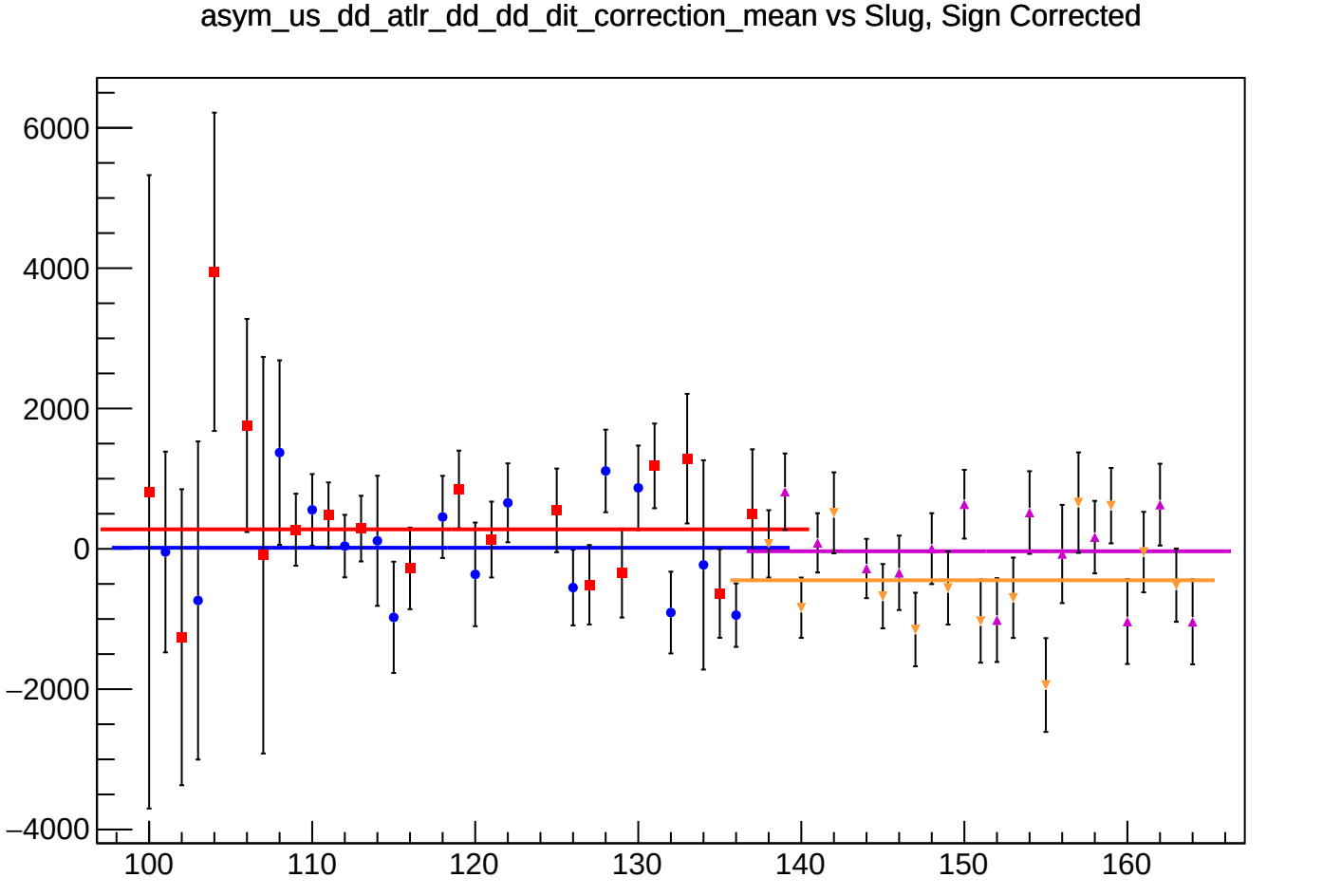
Left: 1107.235+/-0.169 χ^2/NDF: 58964.0/25

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1112.705+/-0.186 χ^2/NDF:646358.6/28

Out: 1117.493+/-0.190 χ^2/NDF:263163.1/30

All: 1115.051+/-0.133 χ^2/NDF: 909845.8/59


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
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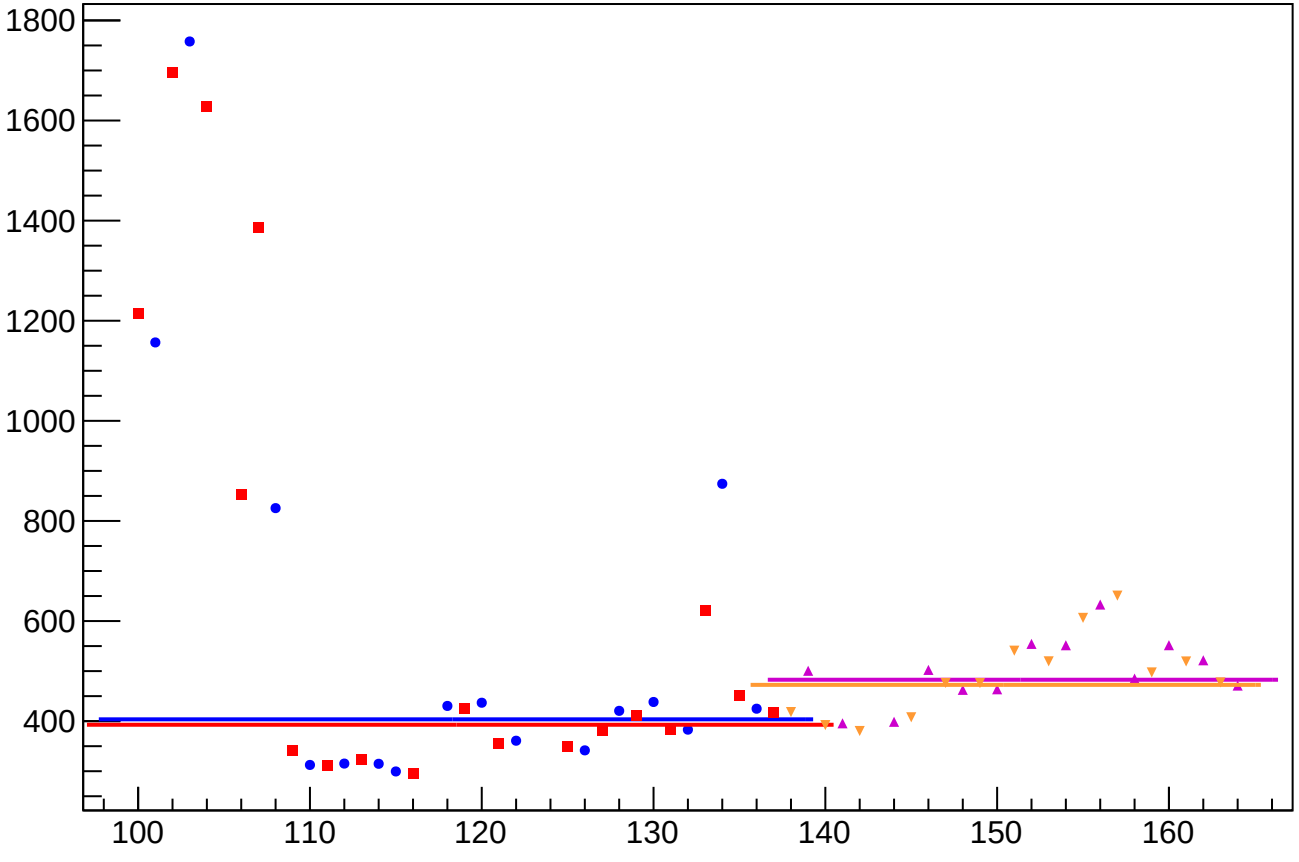
140
150
160
Right In: 15.291+/-161.845 χ²/NDF: 19.6/15
Left Out: -447.424+/-148.902 χ²/NDF:19.8/12
Right Out: 278.251+/-158.828 χ²/NDF: 15.1/17
Left In: -34.278+/-147.306 χ²/NDF:15.6/12
Left: -238.626+/-104.721 χ²/NDF: 39.3/25
Right: 149.246+/-113.360 χ²/NDF: 36.0/33
In: -11.819+/-108.940 χ²/NDF:35.3/28
Out: -107.968+/-108.629 χ²/NDF:46.0/30
All: -60.031+/-76.922 χ²/NDF: 81.6/59

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: 472.511+/-0.105 χ^2/NDF:448864.7/12

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 482.757+/-0.104 χ^2/NDF:359101.0/12

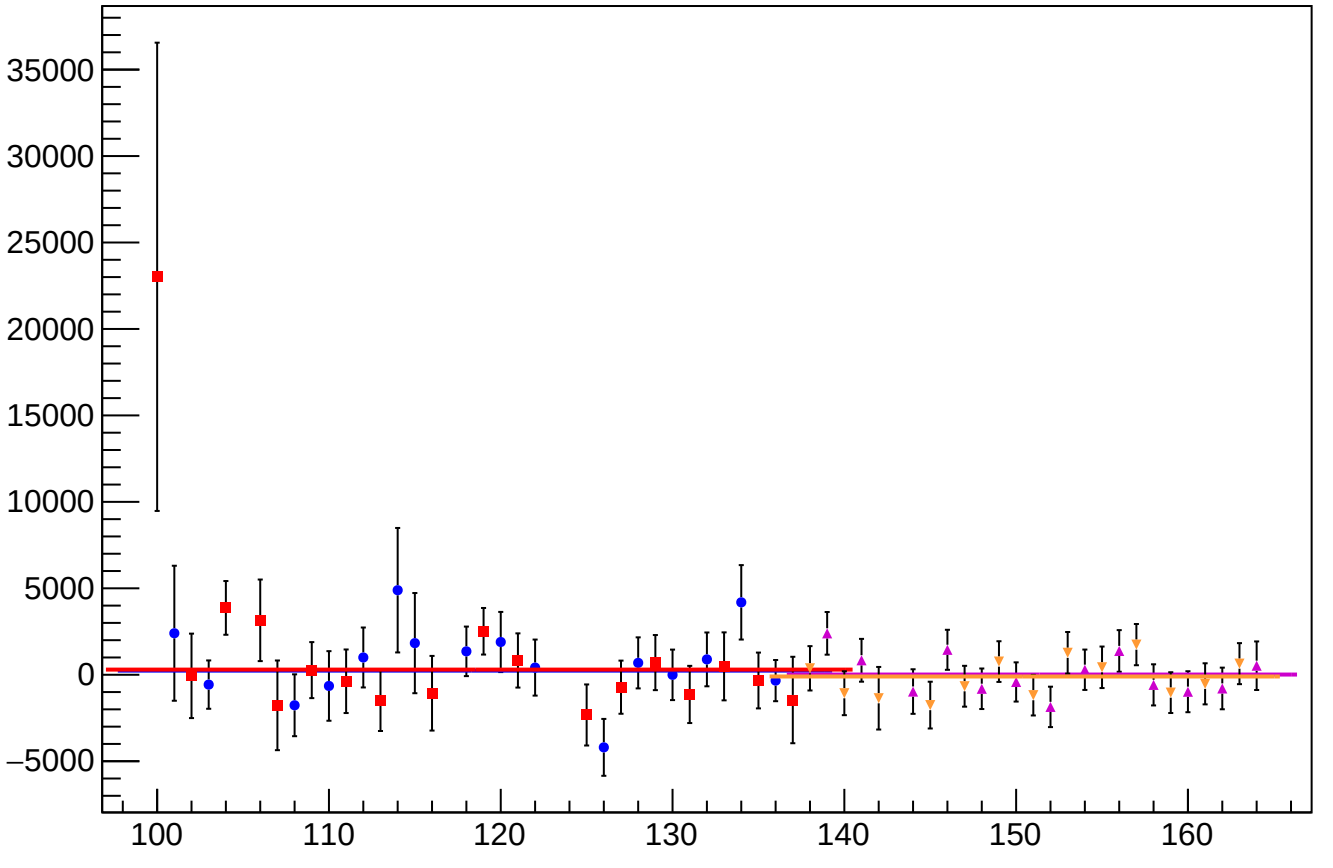
Left: 477.689+/-0.074 χ^2/NDF: 812751.5/25

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 446.918+/-0.077 χ^2/NDF:2549990.5/28

Out: 435.234+/-0.077 χ^2/NDF:2920291.4/30

All: 441.059+/-0.054 χ^2/NDF: 5481819.1/59



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -99.537+/-343.558 χ^2/NDF:9.3/12

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 12.516+/-334.569 χ^2/NDF:12.4/12

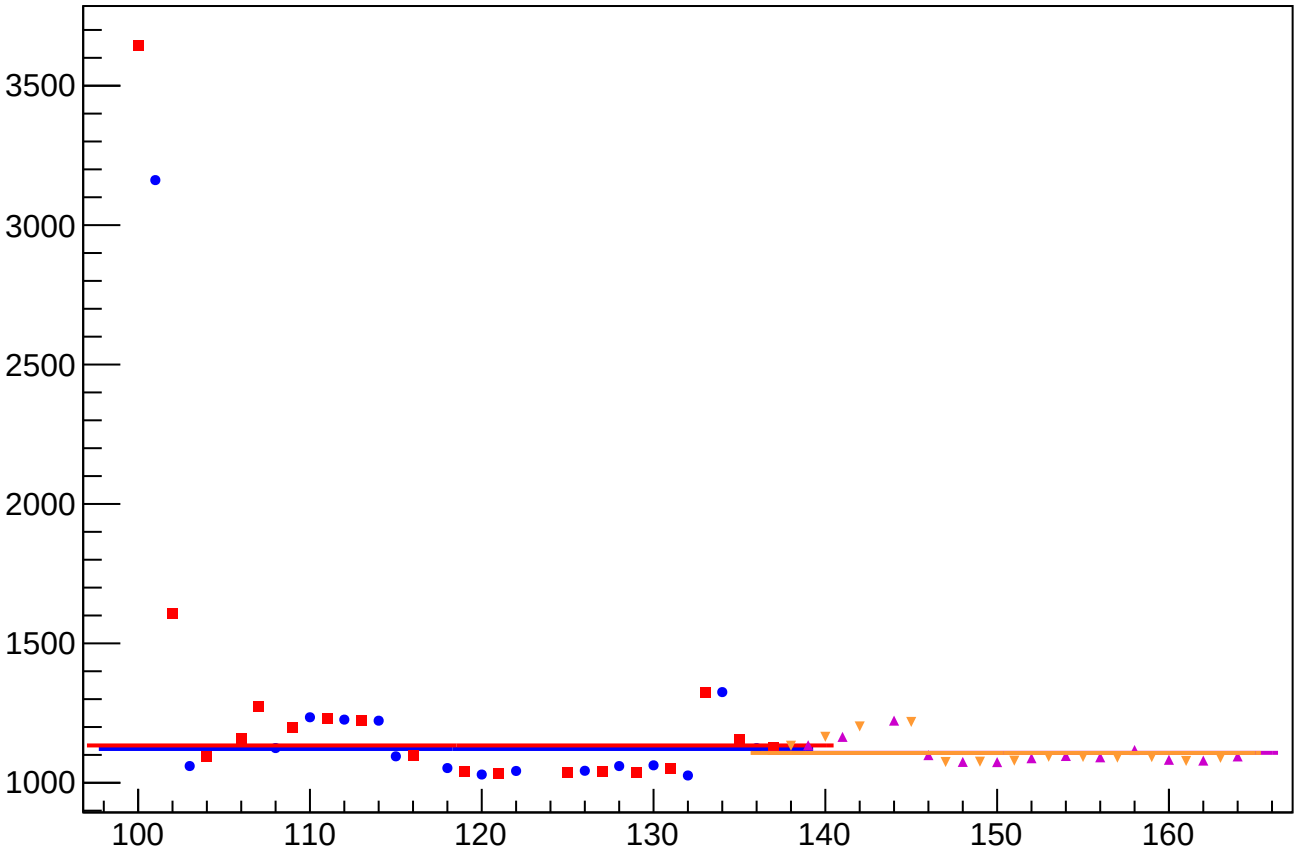
Left: -42.025+/-239.691 χ^2/NDF: 21.8/25

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 99.468+/-263.261 χ^2/NDF:29.5/28

Out: 55.378+/-268.594 χ^2/NDF:28.6/30

All: 77.865+/-188.011 χ^2/NDF: 58.0/59



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1107.037+/-0.243 χ^2/NDF:30942.0/12

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1107.422+/-0.237 χ^2/NDF:28020.8/12

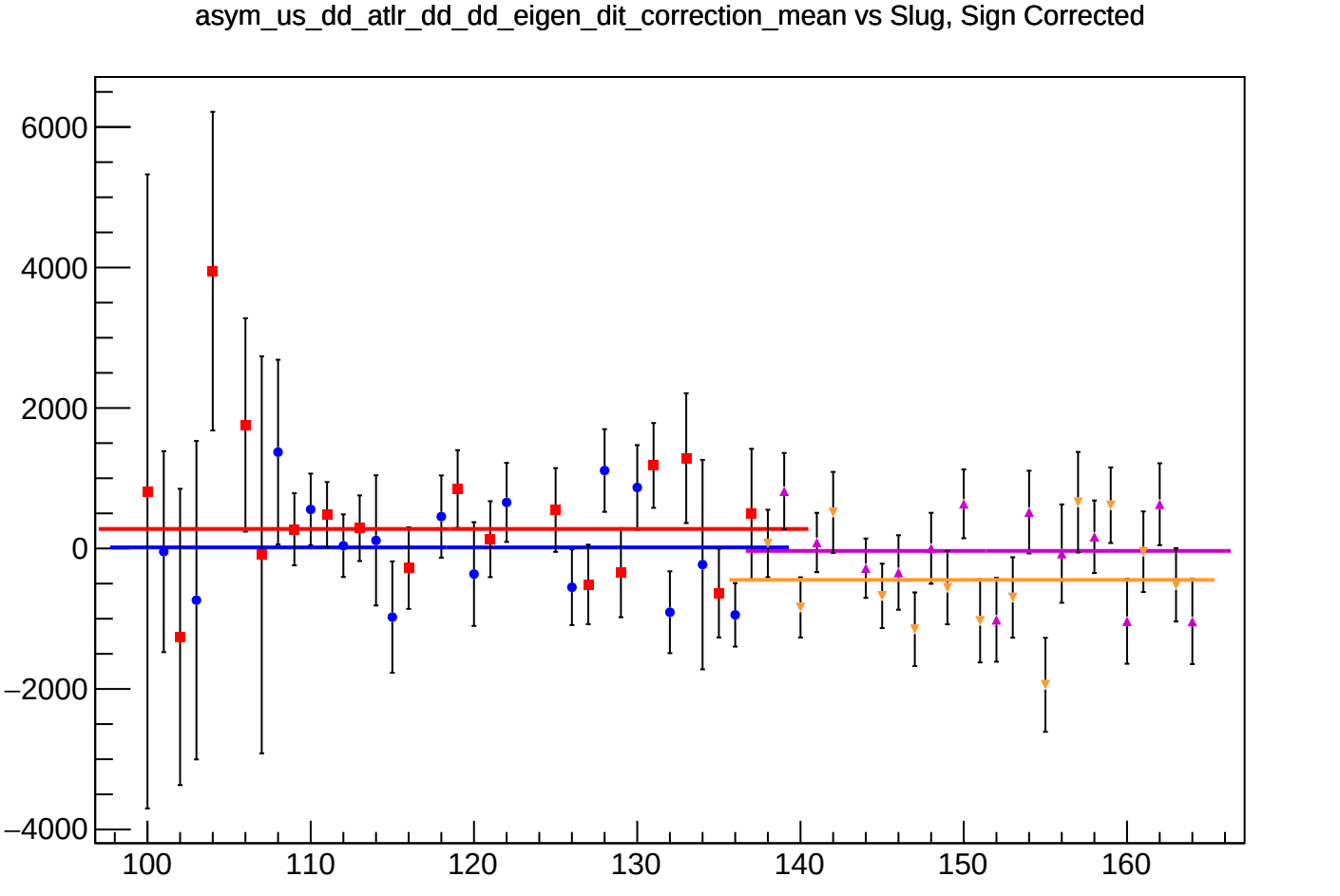
Left: 1107.235+/-0.169 χ^2/NDF: 58964.1/25

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

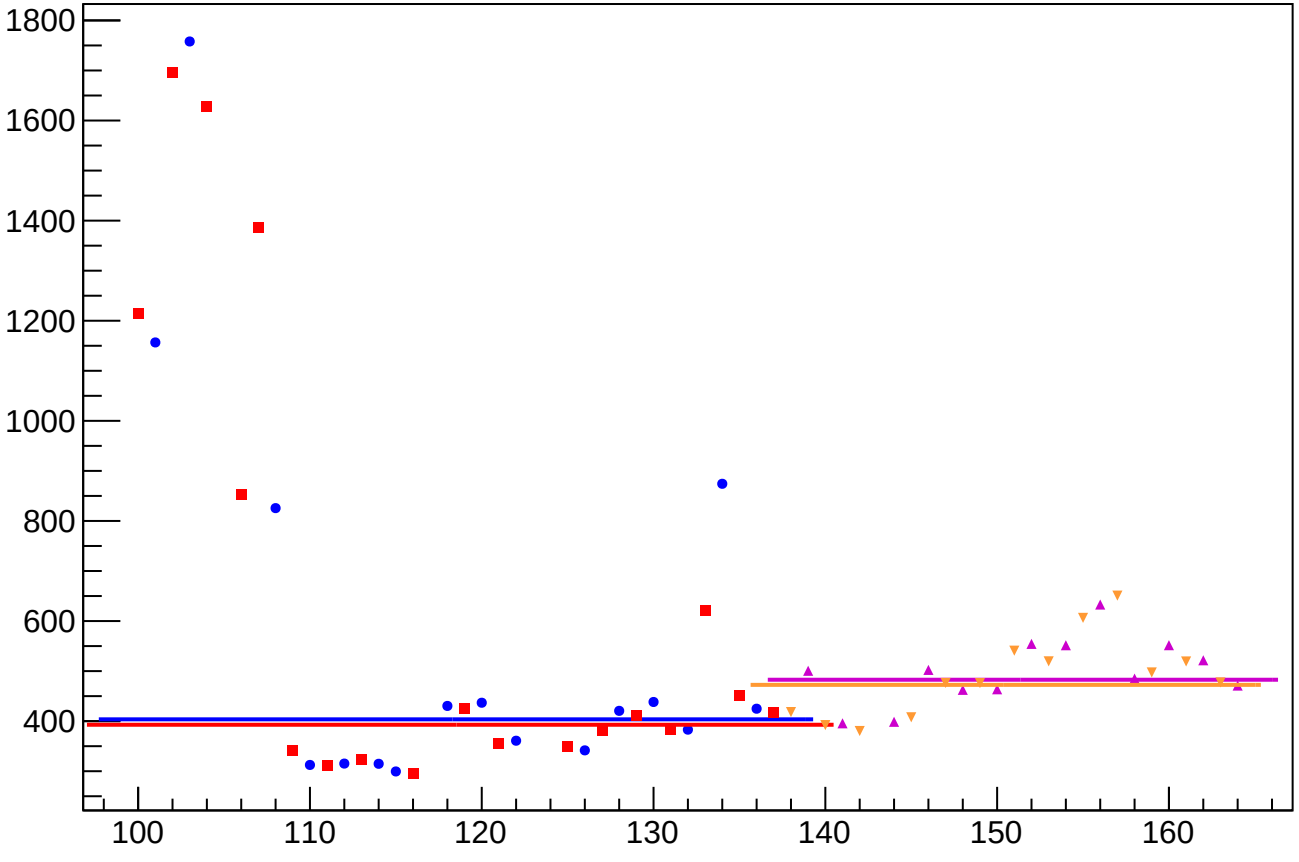
In: 1112.705+/-0.186 χ^2/NDF:646358.7/28

Out: 1117.493+/-0.190 χ^2/NDF:263163.2/30

All: 1115.051+/-0.133 χ^2/NDF: 909846.0/59


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -447.427+/-148.902 χ²/NDF:19.8/12
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: -34.278+/-147.307 χ²/NDF:15.6/12
Left: -238.627+/-104.721 χ²/NDF: 39.3/25
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: -11.821+/-108.939 χ²/NDF:35.3/28
Out: -107.968+/-108.629 χ²/NDF:46.0/30
All: -60.031+/-76.922 χ²/NDF: 81.6/59

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: 472.512+/-0.105 χ^2/NDF:448886.2/12

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 482.758+/-0.104 χ^2/NDF:359109.6/12

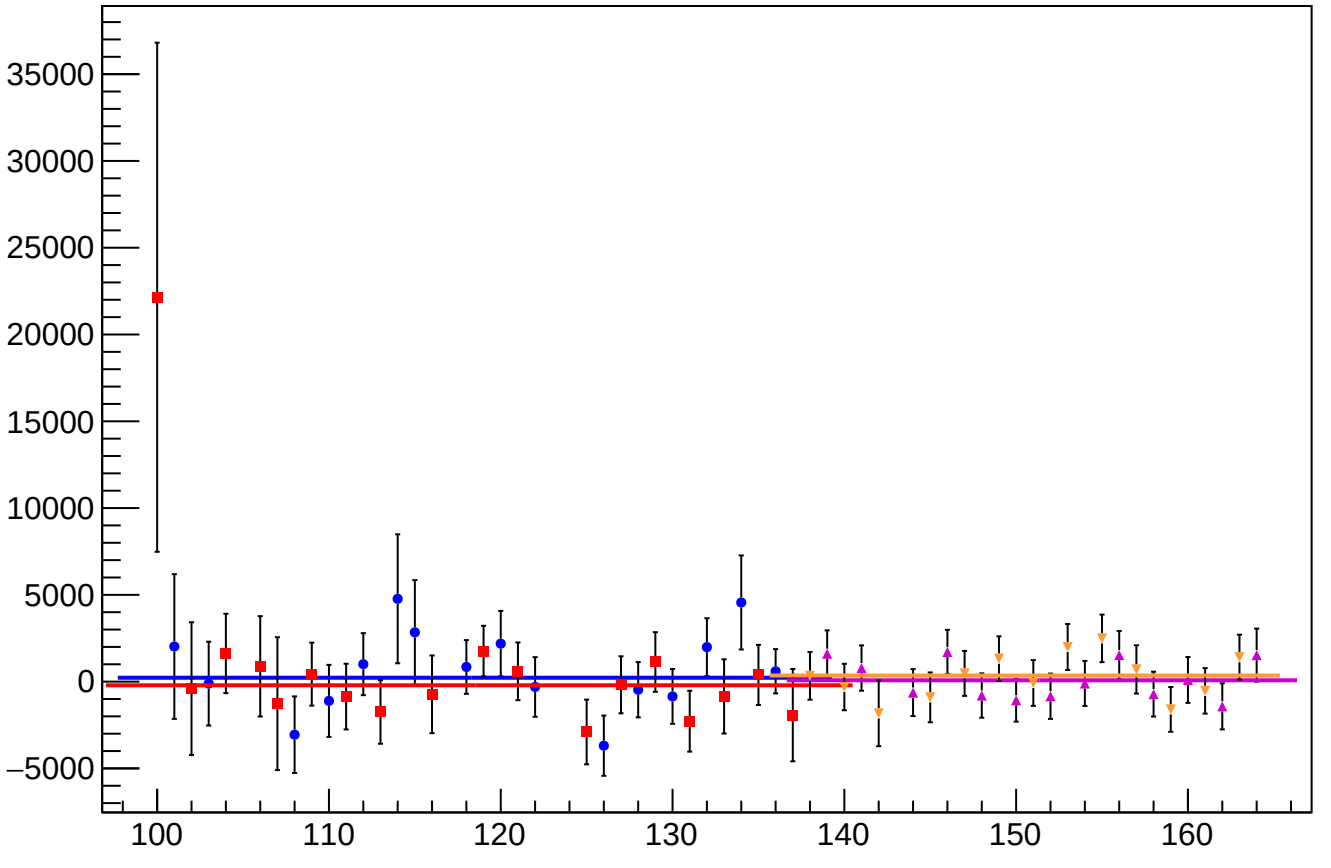
Left: 477.690+/-0.074 χ^2/NDF: 812782.5/25

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 446.917+/-0.077 χ^2/NDF:2550025.5/28

Out: 435.232+/-0.077 χ^2/NDF:2920344.9/30

All: 441.058+/-0.054 χ^2/NDF: 5481909.0/59



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 353.412+/-377.224 χ^2/NDF:10.5/12

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 77.231+/-366.689 χ^2/NDF:9.0/12

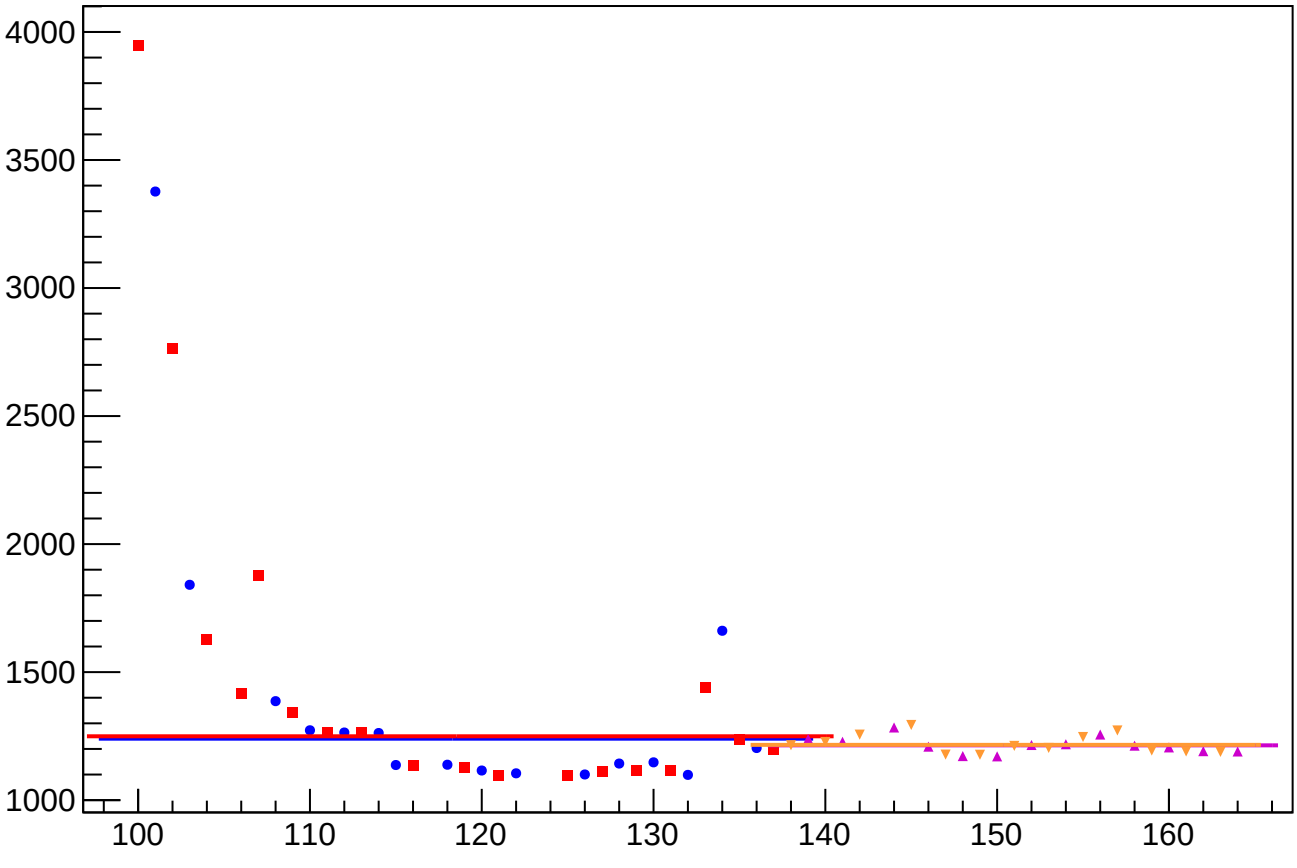
Left: 211.412+/-262.934 χ^2/NDF: 19.8/25

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 132.406+/-290.160 χ^2/NDF:25.2/28

Out: 137.183+/-296.077 χ^2/NDF:22.3/30

All: 134.746+/-207.234 χ^2/NDF: 47.5/59



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1215.925+/-0.267 χ^2/NDF:17158.6/12

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1214.079+/-0.259 χ^2/NDF:13864.7/12

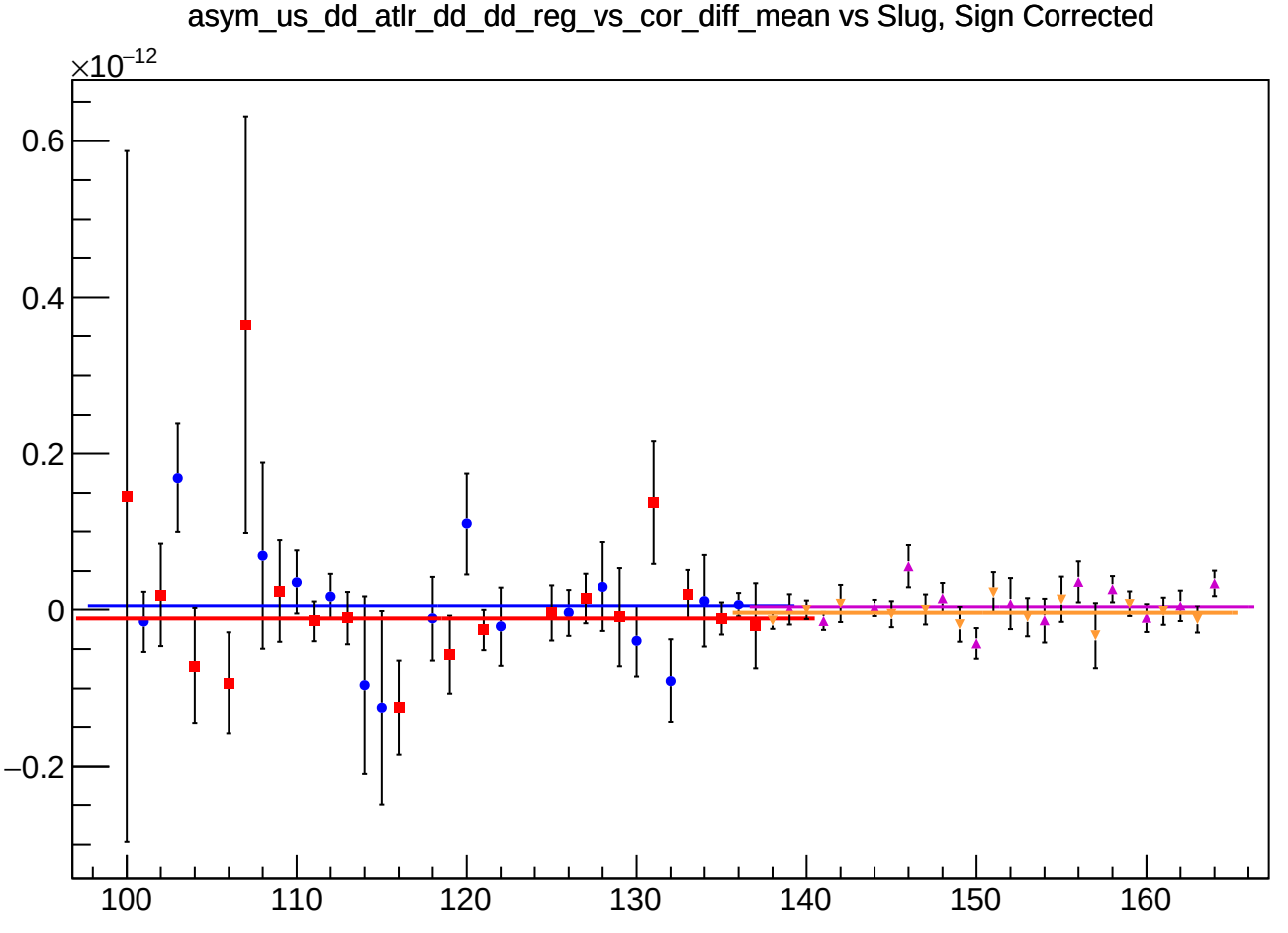
Left: 1214.976+/-0.186 χ^2/NDF: 31048.0/25

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1223.822+/-0.205 χ^2/NDF:800321.1/28

Out: 1228.782+/-0.209 χ^2/NDF:629308.9/30

All: 1226.252+/-0.147 χ^2/NDF: 1429916.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/12

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

Left In: 0.000+/-0.000 χ^2/NDF:20.5/12

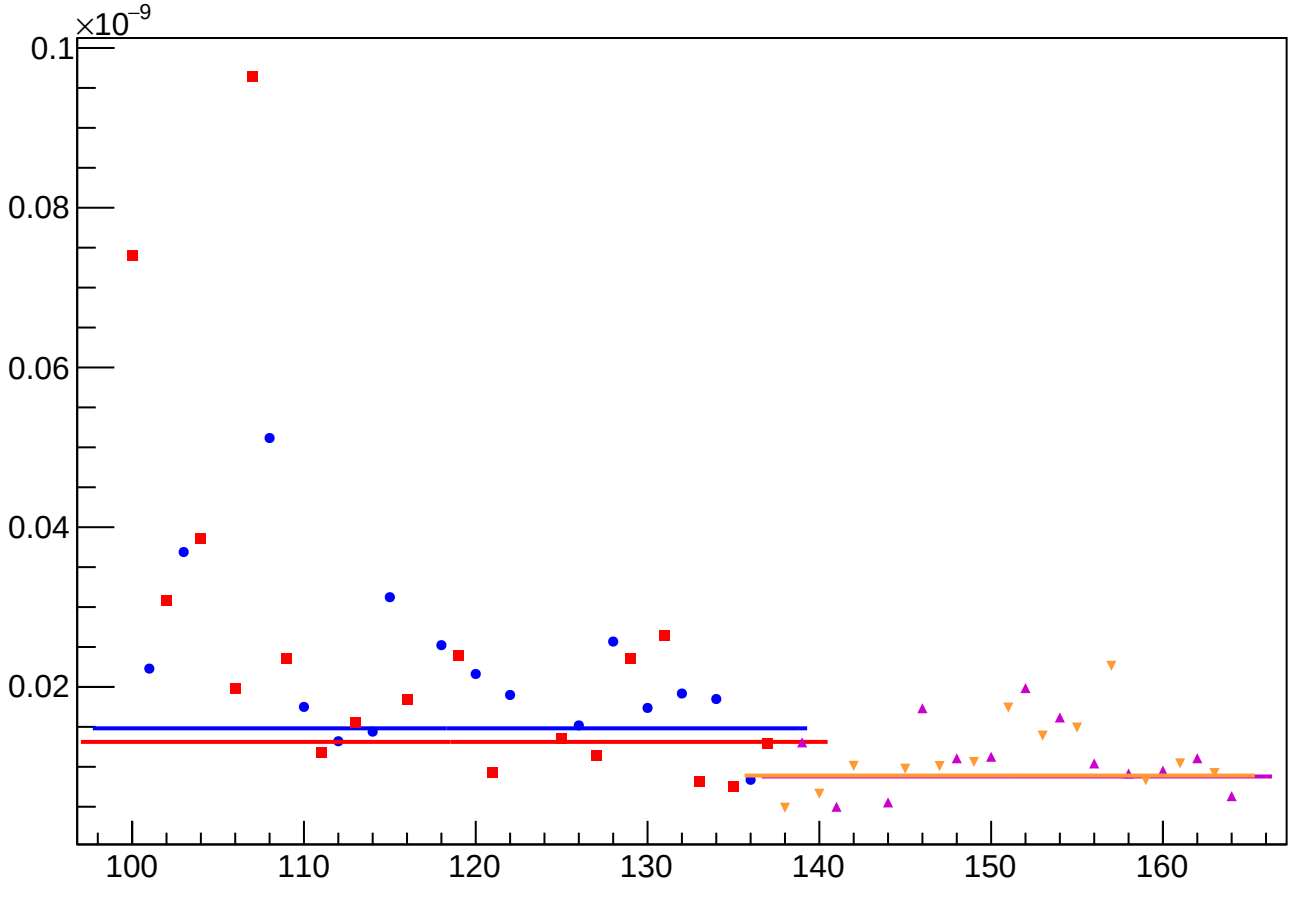
Left: 0.000+/-0.000 χ^2/NDF: 26.3/25

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:36.9/28

Out: -0.000+/-0.000 χ^2/NDF:20.0/30

All: -0.000+/-0.000 χ^2/NDF: 59.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1002372.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1211181.2/12

Left: 0.000+/-0.000 χ^2/NDF: 2214121.2/25

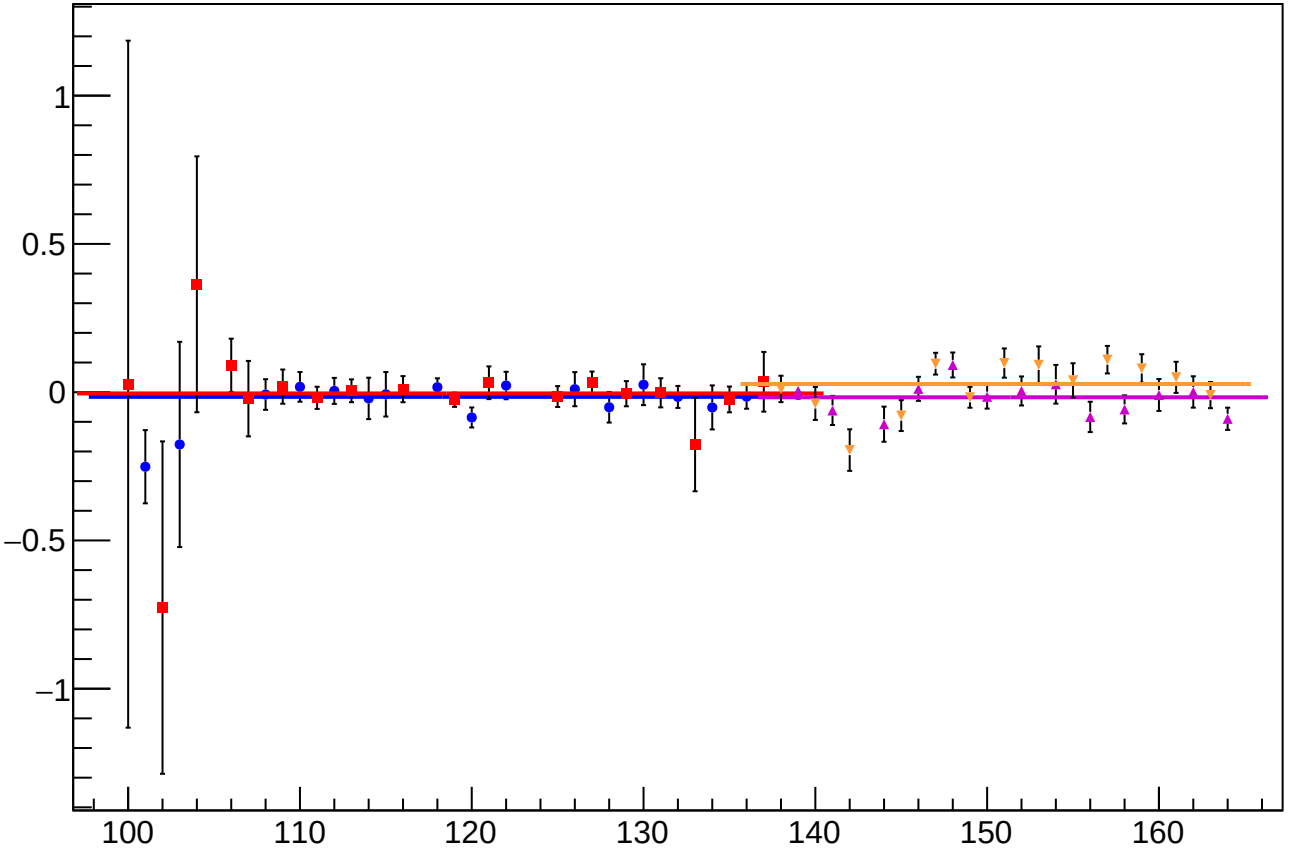
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2915214.1/28

Out: 0.000+/-0.000 χ^2/NDF:2500771.4/30

All: 0.000+/-0.000 χ^2/NDF: 5417792.8/59

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: 0.027+/-0.013 χ^2/NDF:29.4/12

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.017+/-0.012 χ^2/NDF:18.0/12

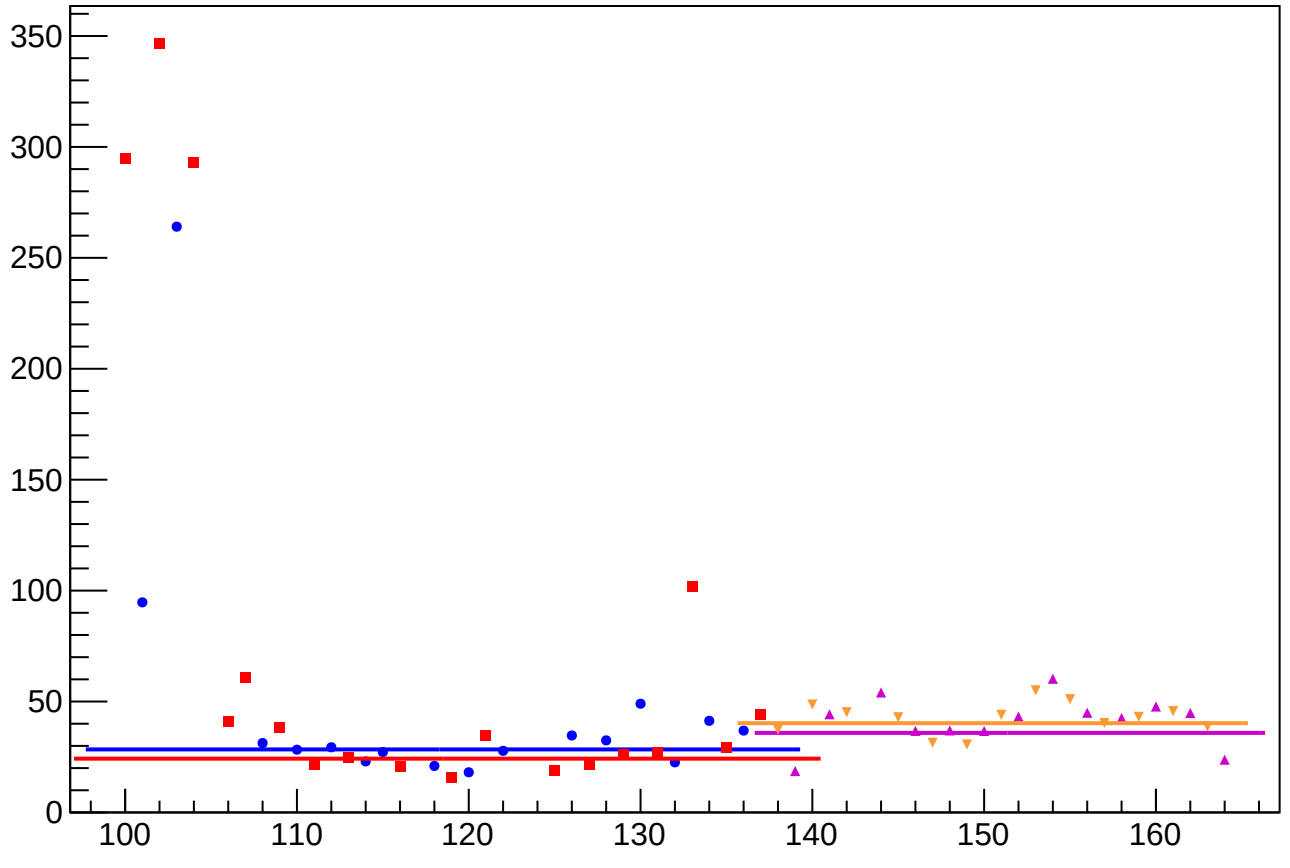
Left: 0.003+/-0.009 χ^2/NDF: 53.5/25

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.009 χ^2/NDF:29.9/28

Out: 0.009+/-0.009 χ^2/NDF:40.5/30

All: -0.004+/-0.006 χ^2/NDF: 74.8/59



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 40.251+/-0.009 χ^2/NDF:560376.1/12

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.856+/-0.009 χ^2/NDF:1885824.2/12

Left: 37.857+/-0.006 χ^2/NDF: 2566117.2/25

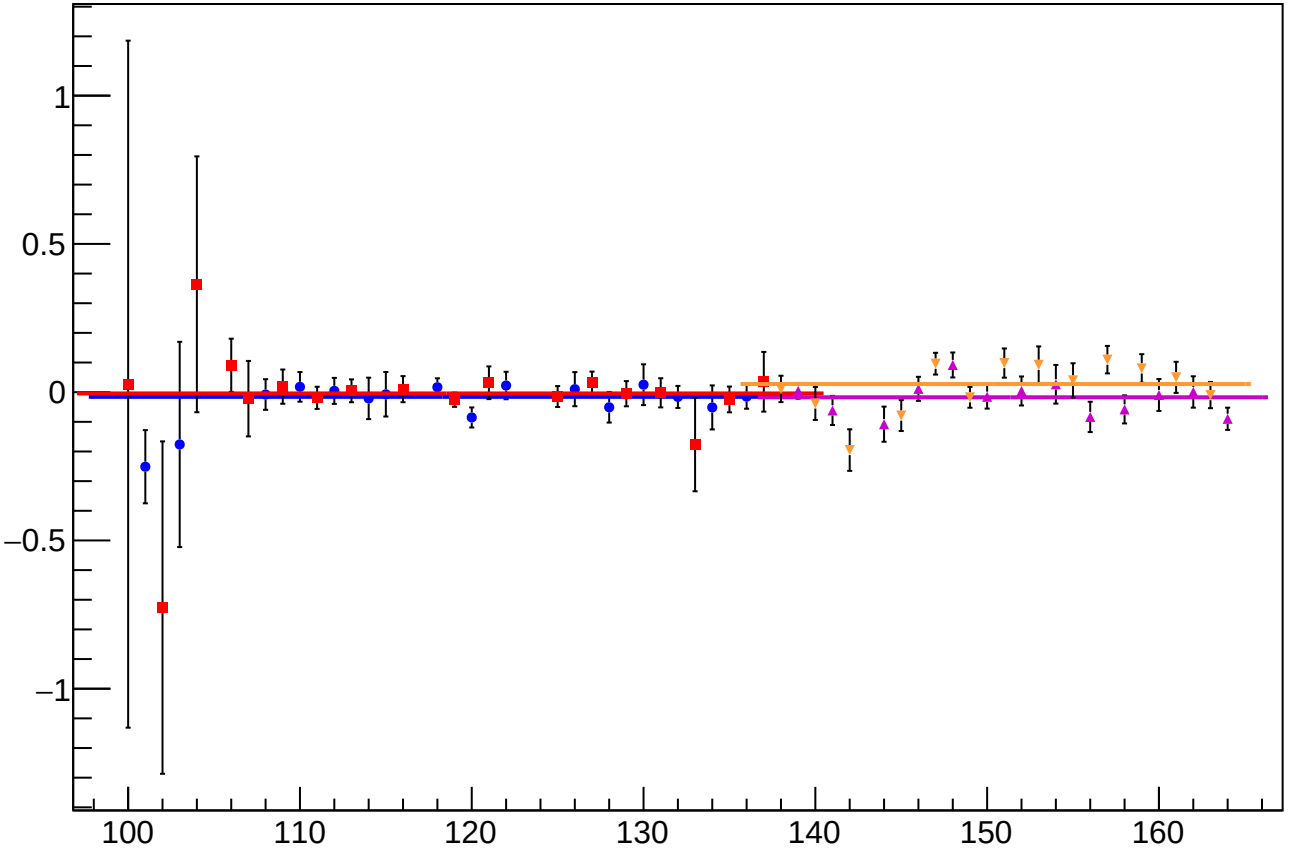
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.194+/-0.006 χ^2/NDF:4503331.9/28

Out: 31.088+/-0.006 χ^2/NDF:5144614.9/30

All: 31.642+/-0.004 χ^2/NDF: 9664309.8/59

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: 0.027+/-0.013 χ^2/NDF:29.4/12

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.017+/-0.012 χ^2/NDF:18.0/12

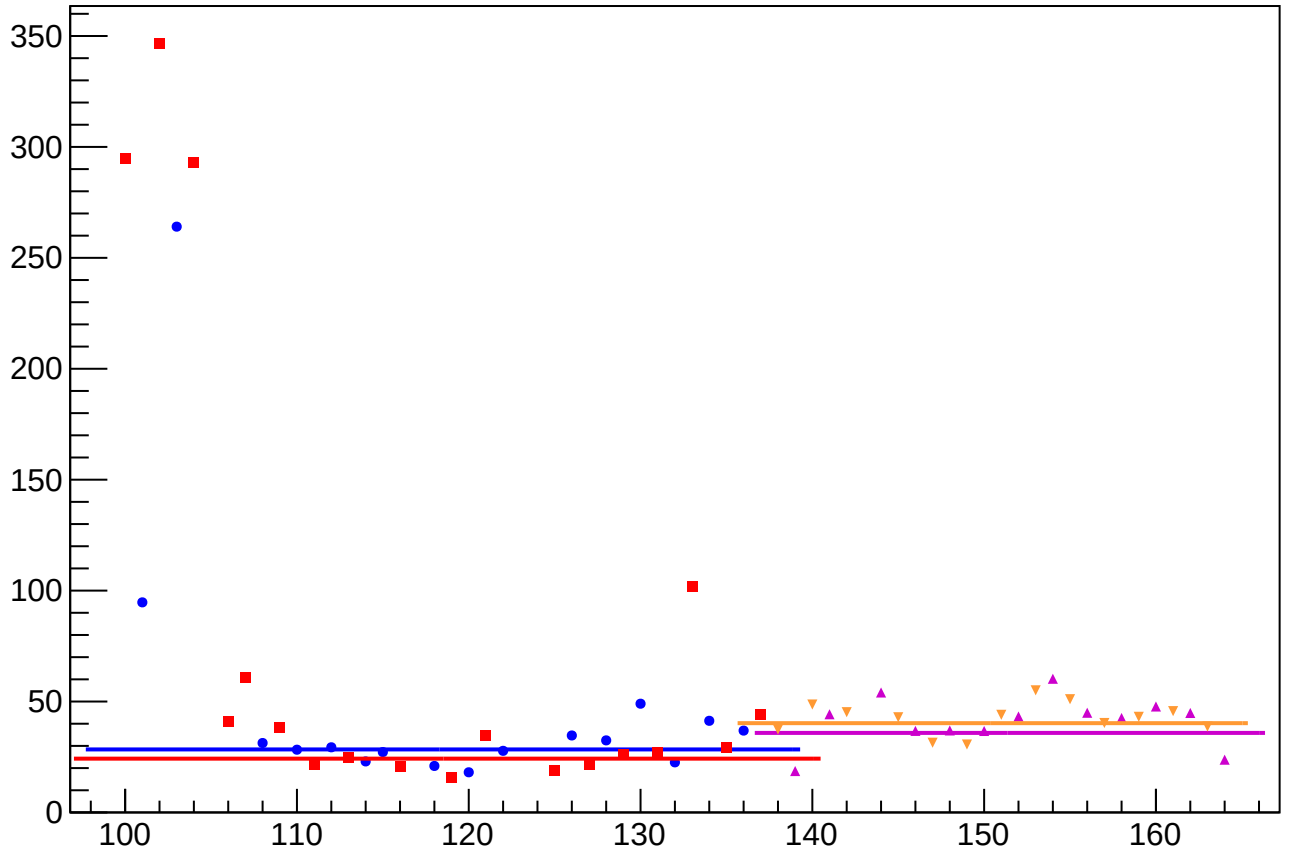
Left: 0.003+/-0.009 χ^2/NDF: 53.5/25

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.009 χ^2/NDF:29.9/28

Out: 0.009+/-0.009 χ^2/NDF:40.5/30

All: -0.004+/-0.006 χ^2/NDF: 74.8/59



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 40.251+/-0.009 χ^2/NDF:560376.1/12

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 35.856+/-0.009 χ^2/NDF:1885824.2/12

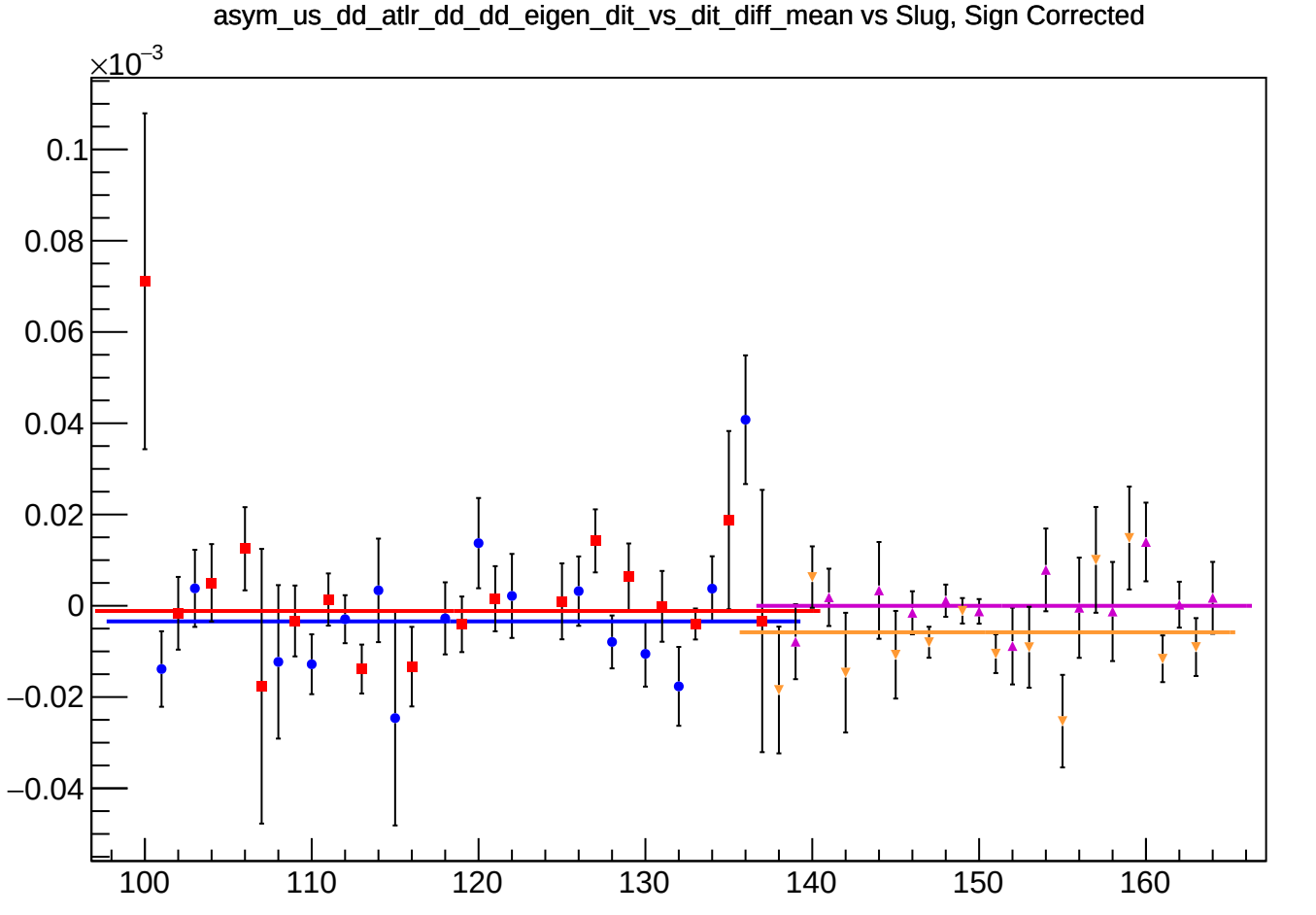
Left: 37.857+/-0.006 χ^2/NDF: 2566117.2/25

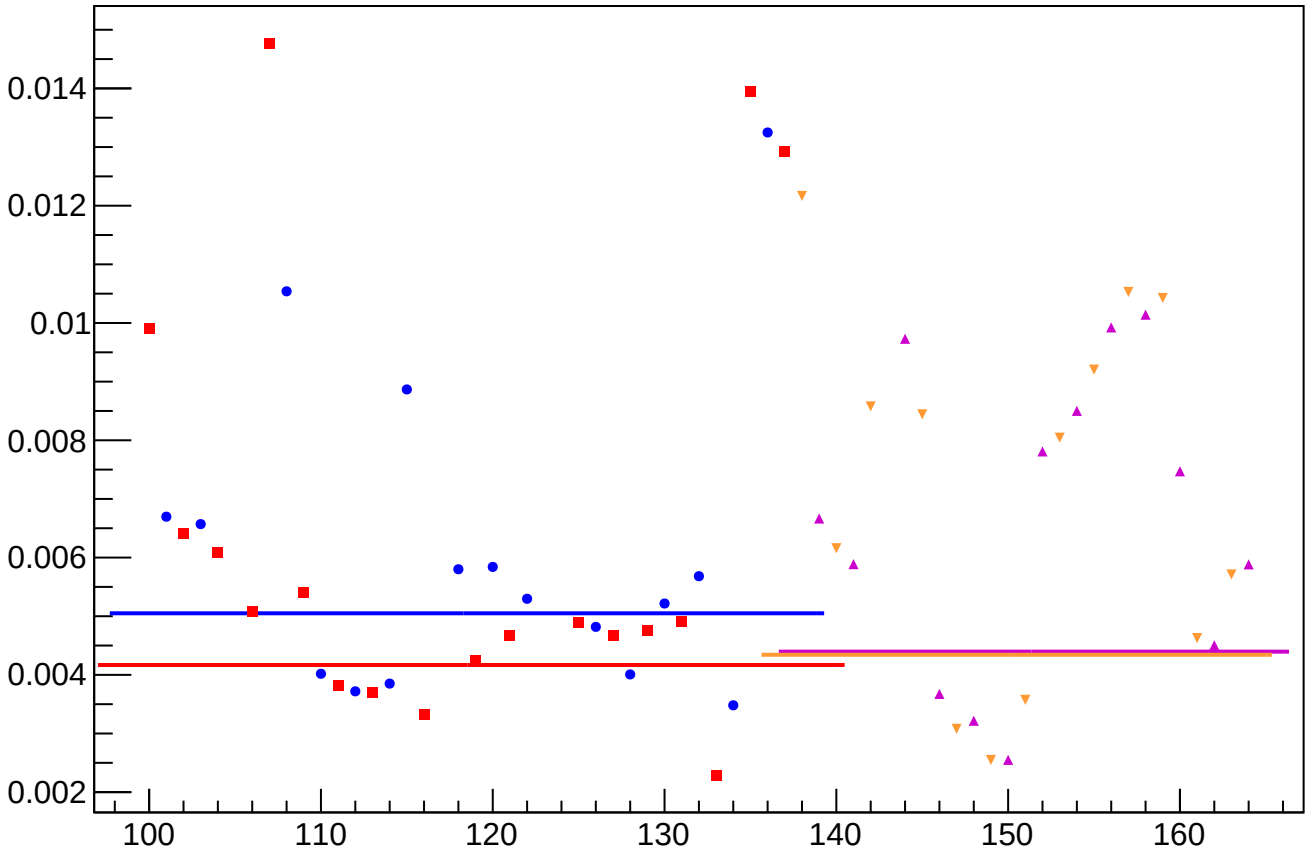
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.194+/-0.006 χ^2/NDF:4503331.9/28

Out: 31.088+/-0.006 χ^2/NDF:5144614.9/30

All: 31.642+/-0.004 χ^2/NDF: 9664309.8/59


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 25.1/15
Left Out: -0.000+/-0.000 χ²/NDF:19.9/12
Right Out: -0.000+/-0.000 χ²/NDF: 23.0/17
Left In: -0.000+/-0.000 χ²/NDF:6.1/12
Left: -0.000+/-0.000 χ²/NDF: 33.0/25
Right: -0.000+/-0.000 χ²/NDF: 48.9/33
In: -0.000+/-0.000 χ²/NDF:33.0/28
Out: -0.000+/-0.000 χ²/NDF:47.0/30
All: -0.000+/-0.000 χ²/NDF: 82.0/59



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:4583522.6/12

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:4110791.2/12

Left: 0.004+/-0.000 χ^2/NDF: 8695498.8/25

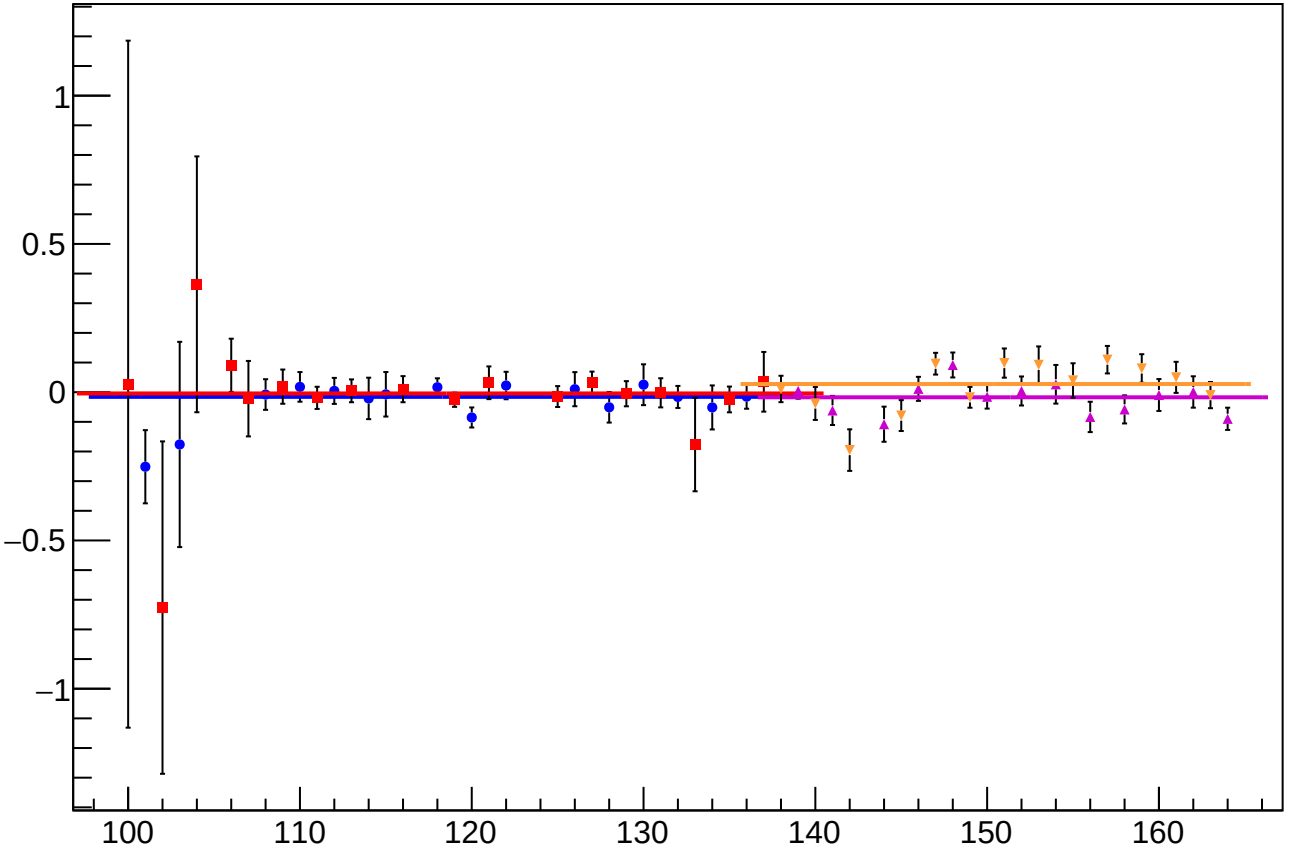
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:5737531.1/28

Out: 0.004+/-0.000 χ^2/NDF:6636973.2/30

All: 0.004+/-0.000 χ^2/NDF: 12472607.1/59

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: 0.027+/-0.013 χ^2/NDF:29.3/12

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.017+/-0.012 χ^2/NDF:18.0/12

Left: 0.003+/-0.009 χ^2/NDF: 53.5/25

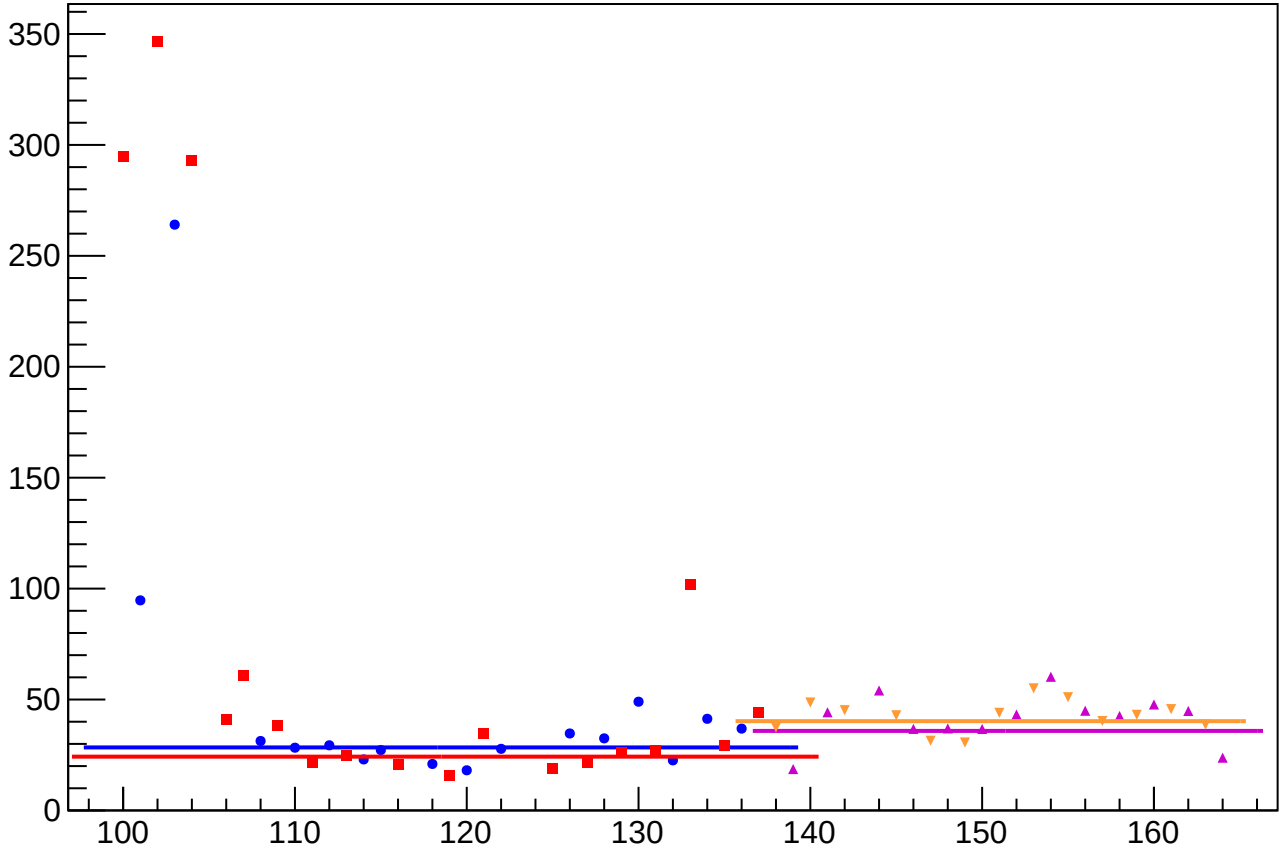
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.009 χ^2/NDF:29.9/28

Out: 0.009+/-0.009 χ^2/NDF:40.5/30

All: -0.004+/-0.006 χ^2/NDF: 74.8/59

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: 40.250+/-0.009 χ^2/NDF:560652.8/12

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.856+/-0.009 χ^2/NDF:1886263.6/12

Left: 37.857+/-0.006 χ^2/NDF: 2566814.2/25

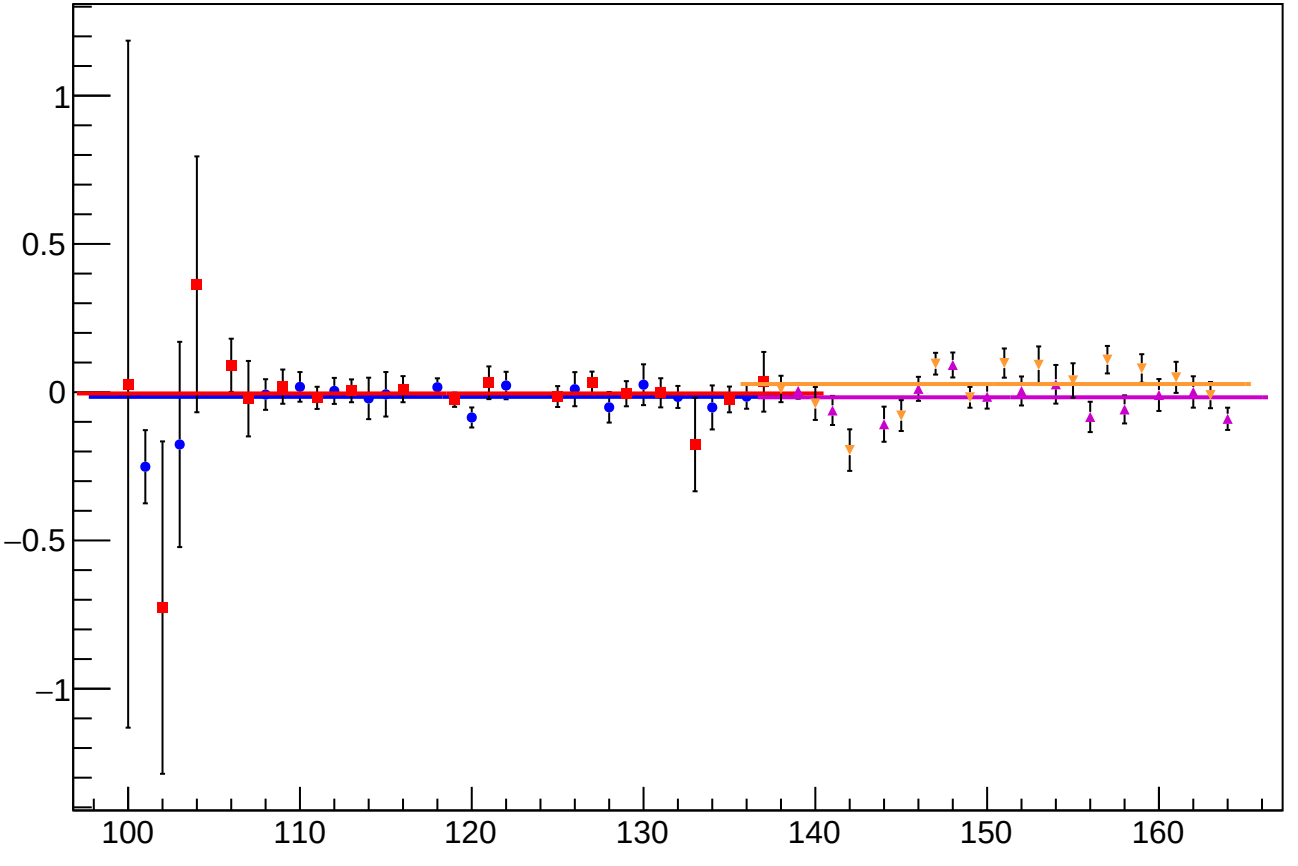
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.193+/-0.006 χ^2/NDF:4503755.7/28

Out: 31.086+/-0.006 χ^2/NDF:5145376.6/30

All: 31.641+/-0.004 χ^2/NDF: 9665534.7/59

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: 0.027+/-0.013 χ^2/NDF:29.3/12

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.017+/-0.012 χ^2/NDF:18.0/12

Left: 0.003+/-0.009 χ^2/NDF: 53.5/25

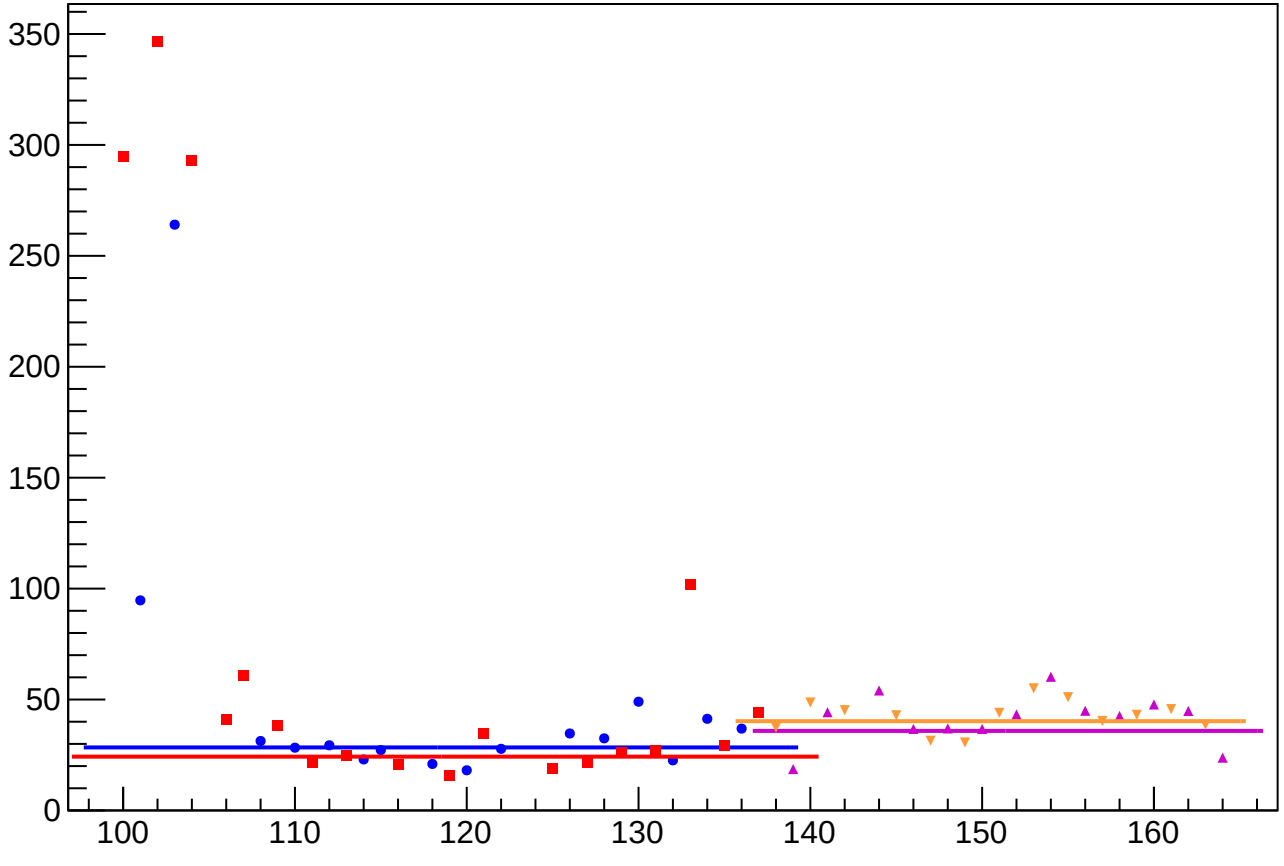
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.016+/-0.009 χ^2/NDF:29.9/28

Out: 0.009+/-0.009 χ^2/NDF:40.5/30

All: -0.004+/-0.006 χ^2/NDF: 74.8/59

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: 40.250+/-0.009 χ^2/NDF:560652.8/12

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 35.856+/-0.009 χ^2/NDF:1886263.6/12

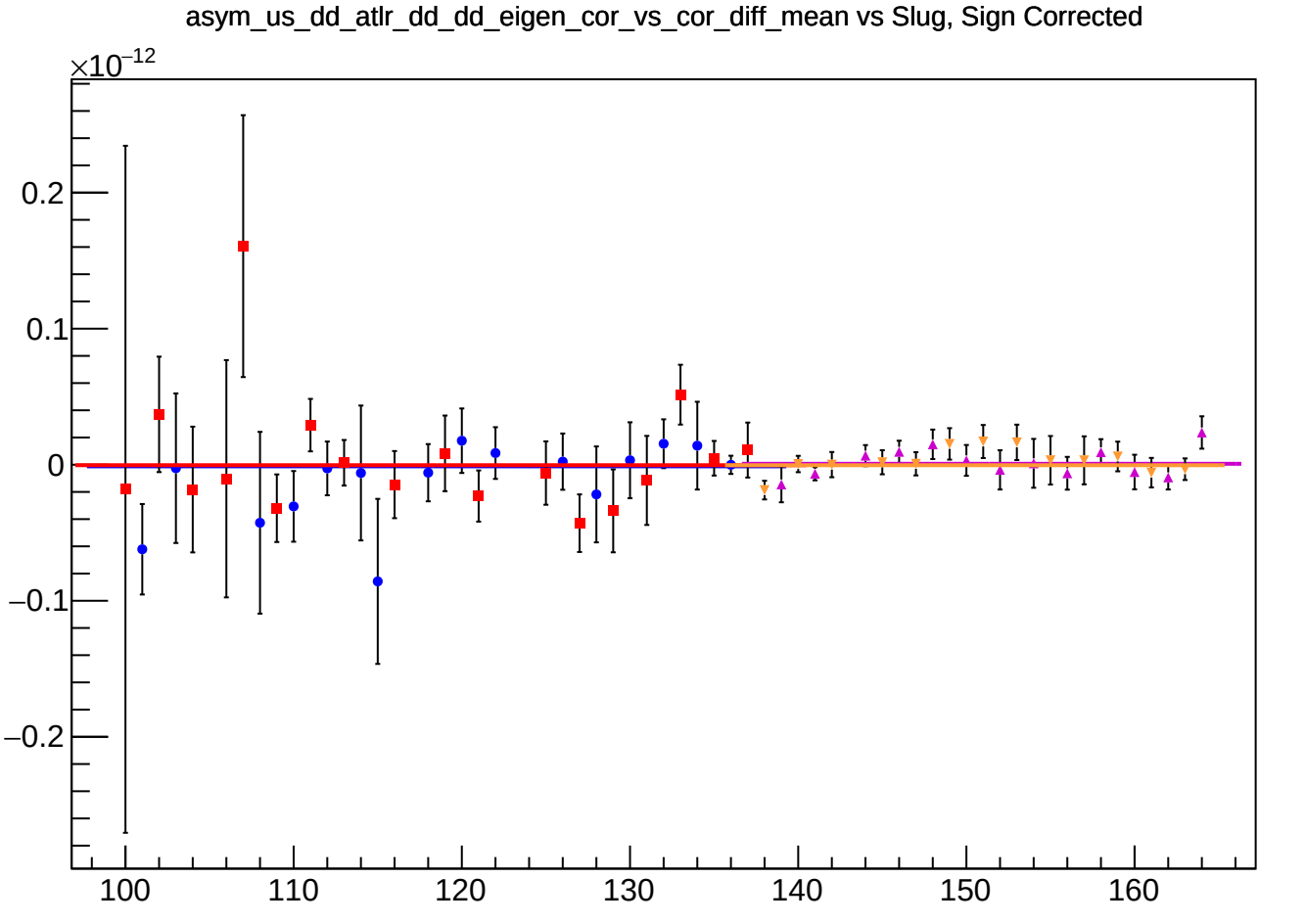
Left: 37.857+/-0.006 χ^2/NDF: 2566814.2/25

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

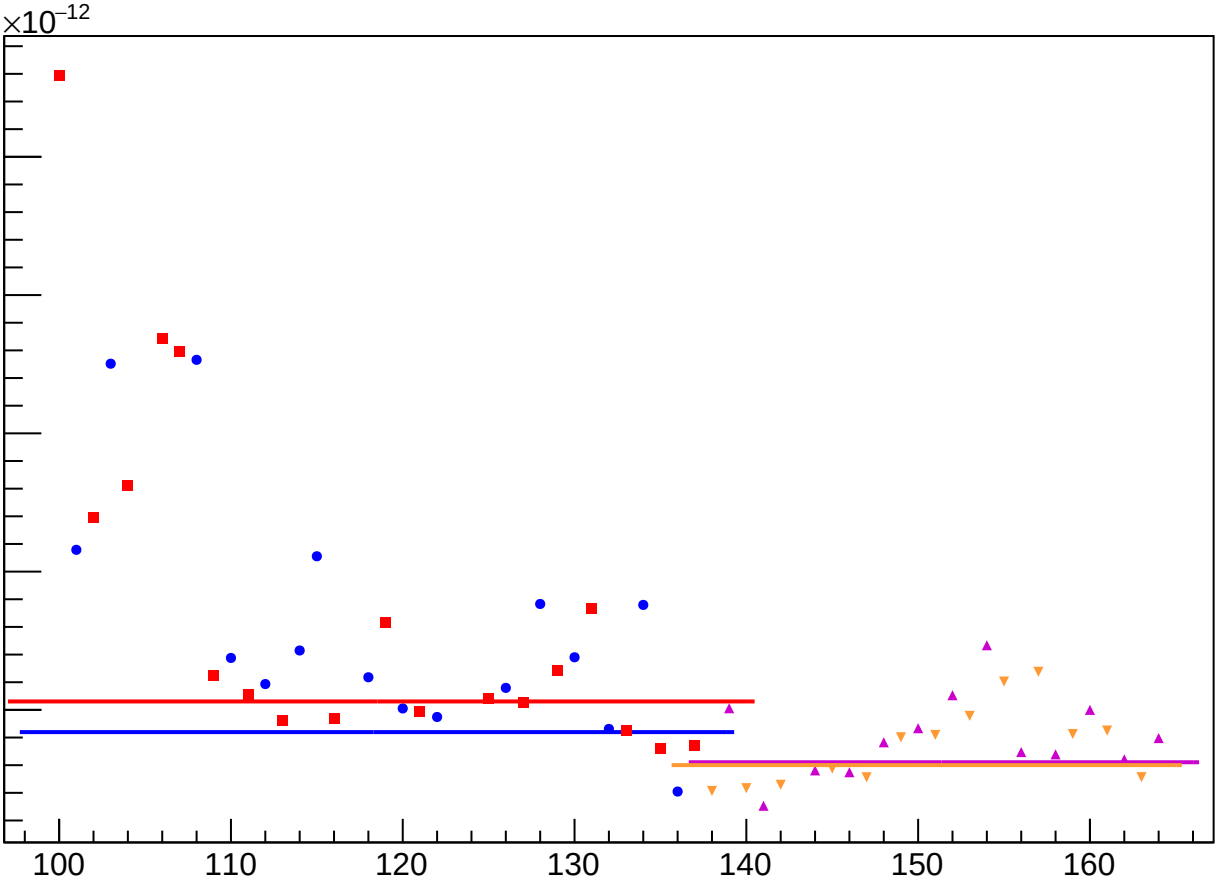
In: 32.193+/-0.006 χ^2/NDF:4503755.7/28

Out: 31.086+/-0.006 χ^2/NDF:5145376.6/30

All: 31.641+/-0.004 χ^2/NDF: 9665534.7/59


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 9.4/15
Left Out: -0.000+/-0.000 χ²/NDF:13.6/12
Right Out: -0.000+/-0.000 χ²/NDF: 21.1/17
Left In: 0.000+/-0.000 χ²/NDF:13.6/12
Left: 0.000+/-0.000 χ²/NDF: 27.3/25
Right: -0.000+/-0.000 χ²/NDF: 30.5/33
In: 0.000+/-0.000 χ²/NDF:23.2/28
Out: -0.000+/-0.000 χ²/NDF:34.7/30
All: -0.000+/-0.000 χ²/NDF: 57.9/59

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1385609.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2077276.8/12

Left: 0.000+/-0.000 χ^2/NDF: 3469214.2/25

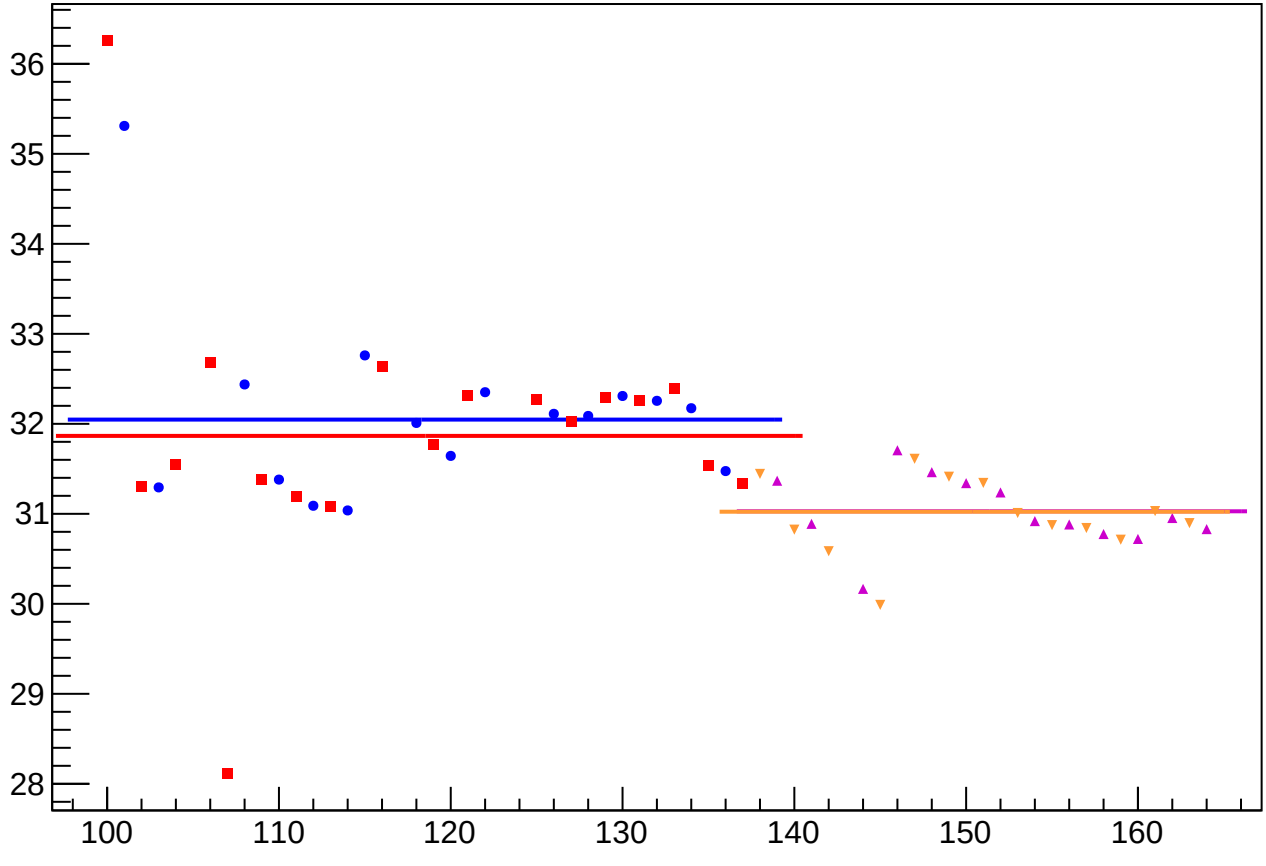
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:5108577.6/28

Out: 0.000+/-0.000 χ^2/NDF:3725129.5/30

All: 0.000+/-0.000 χ^2/NDF: 8836078.8/59

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.023+/-0.000 χ^2/NDF:216667269.5/12

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.028+/-0.000 χ^2/NDF:224050206.6/12

Left: 31.026+/-0.000 χ^2/NDF: 440734036.7/25

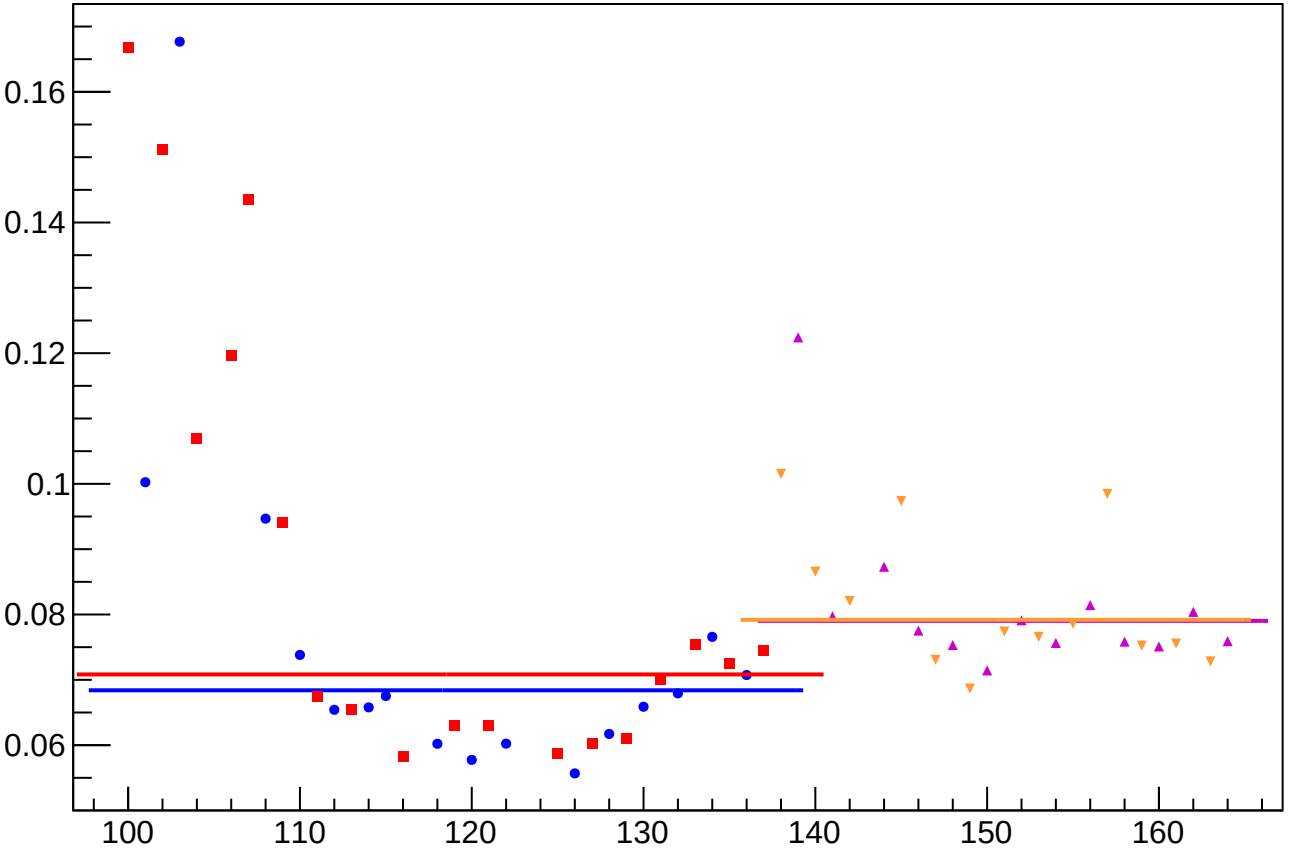
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.498+/-0.000 χ^2/NDF:1871616200.1/28

Out: 31.409+/-0.000 χ^2/NDF:1180899318.8/30

All: 31.455+/-0.000 χ^2/NDF: 3063625399.1/5

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.079+/-0.000 χ^2/NDF:254591.5/12

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.079+/-0.000 χ^2/NDF:249014.4/12

Left: 0.079+/-0.000 χ^2/NDF: 503647.3/25

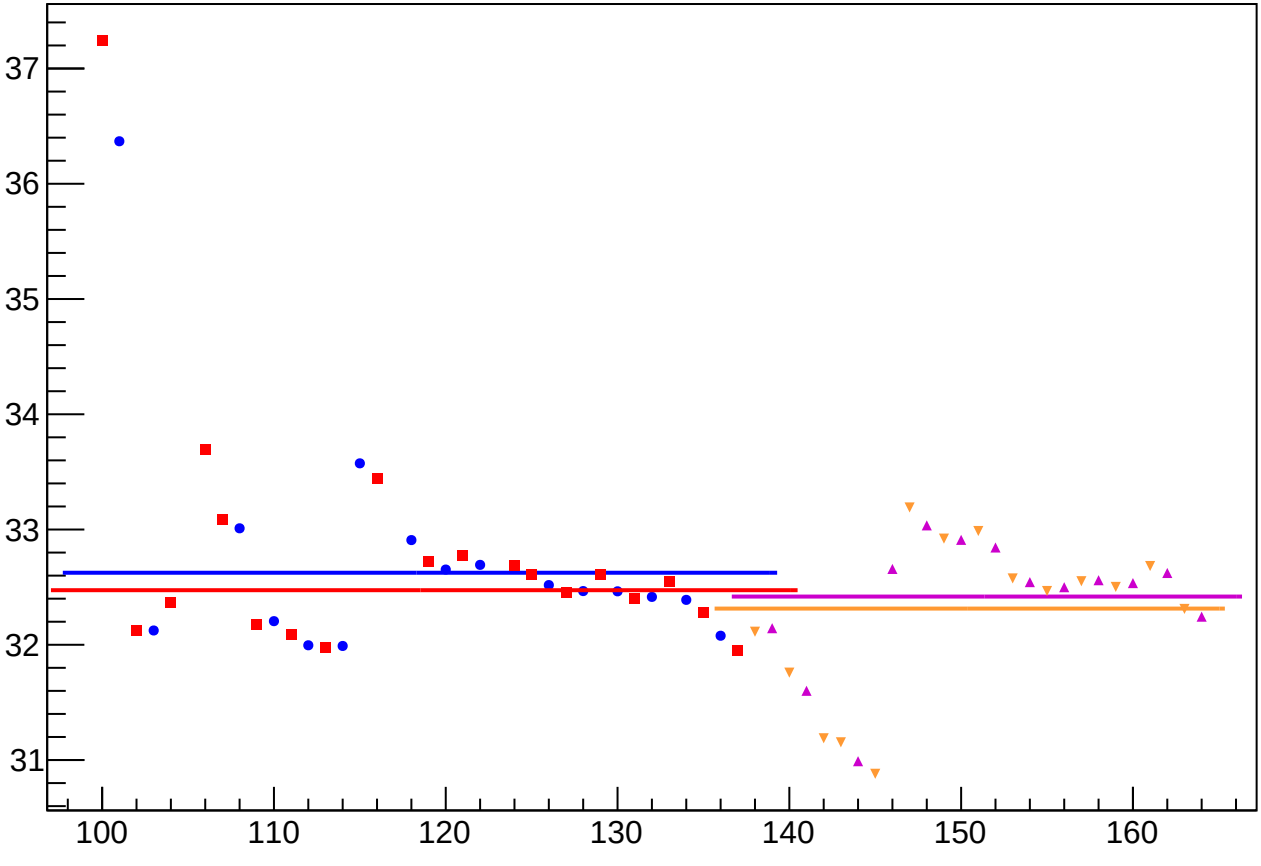
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1115122.0/28

Out: 0.075+/-0.000 χ^2/NDF:1217121.6/30

All: 0.075+/-0.000 χ^2/NDF: 2336537.0/59

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.314+/-0.000 χ^2/NDF:773272018.4/13

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.418+/-0.000 χ^2/NDF:527571428.5/12

Left: 32.366+/-0.000 χ^2/NDF: 1309670030.8/26

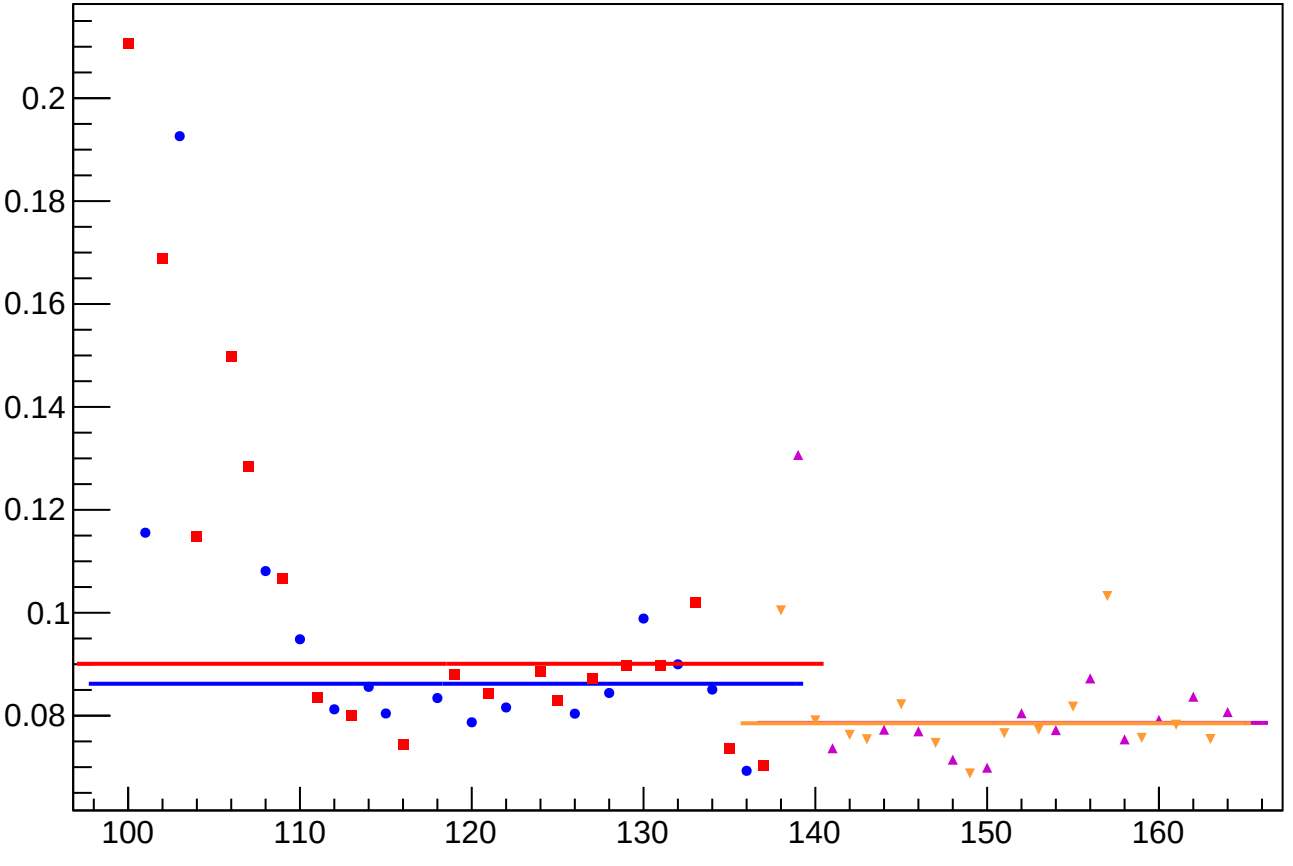
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.489+/-0.000 χ^2/NDF:1290386494.0/28

Out: 32.366+/-0.000 χ^2/NDF:943659350.2/32

All: 32.428+/-0.000 χ^2/NDF: 2252533112.9/6

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.079+/-0.000 χ^2/NDF:197559.0/13

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.079+/-0.000 χ^2/NDF:334112.9/12

Left: 0.079+/-0.000 χ^2/NDF: 531679.7/26

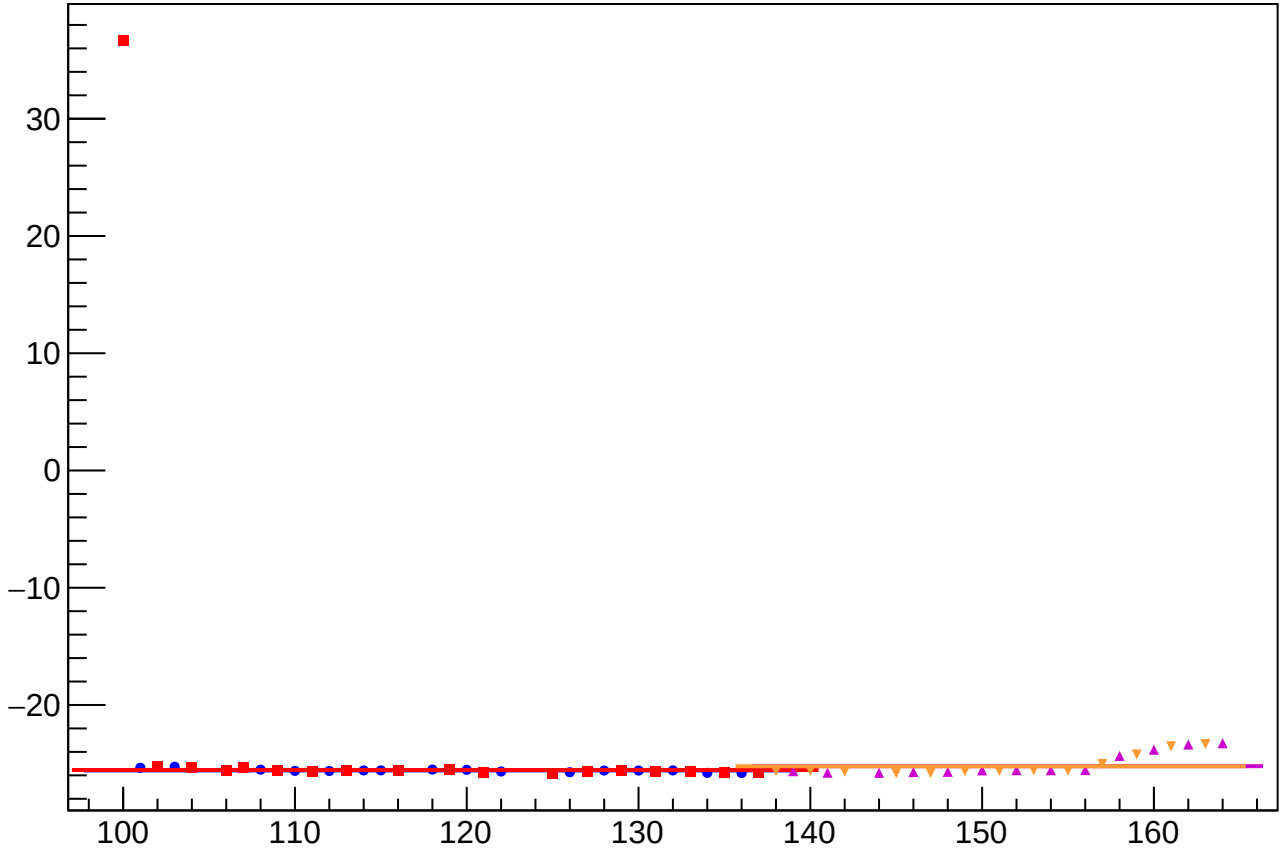
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.081+/-0.000 χ^2/NDF:997006.7/28

Out: 0.082+/-0.000 χ^2/NDF:961983.3/32

All: 0.082+/-0.000 χ^2/NDF: 1961955.4/61

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.227+/-0.000 χ^2/NDF:3362605290.0/12

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.218+/-0.000 χ^2/NDF:3897508943.9/12

Left: -25.222+/-0.000 χ^2/NDF: 7260336013.9/25

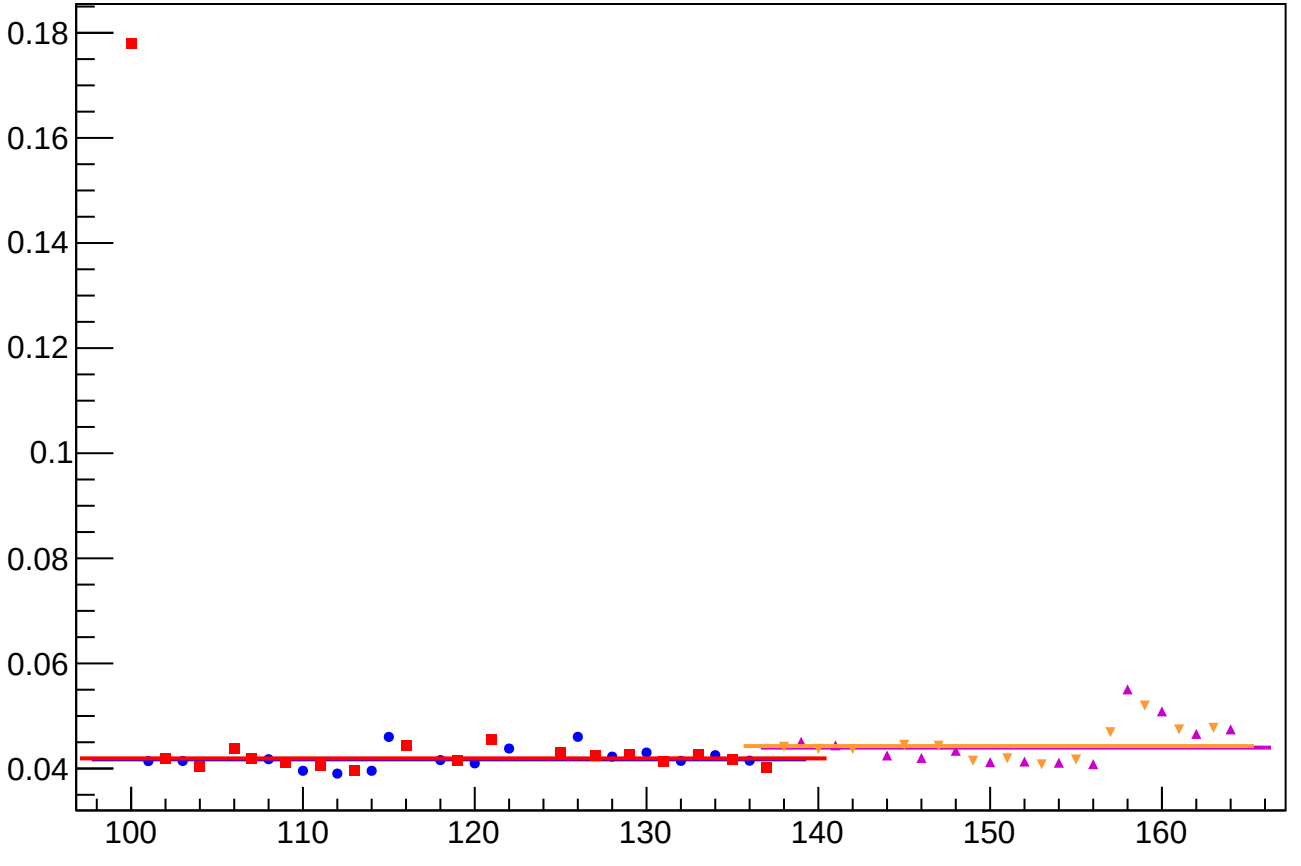
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.372+/-0.000 χ^2/NDF:4303272433.0/28

Out: -25.367+/-0.000 χ^2/NDF:12500152485.1/30

All: -25.370+/-0.000 χ^2/NDF: 16803519834.9

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.044+/-0.000 χ^2/NDF:88139.0/12

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.044+/-0.000 χ^2/NDF:150518.7/12

Left: 0.044+/-0.000 χ^2/NDF: 239124.7/25

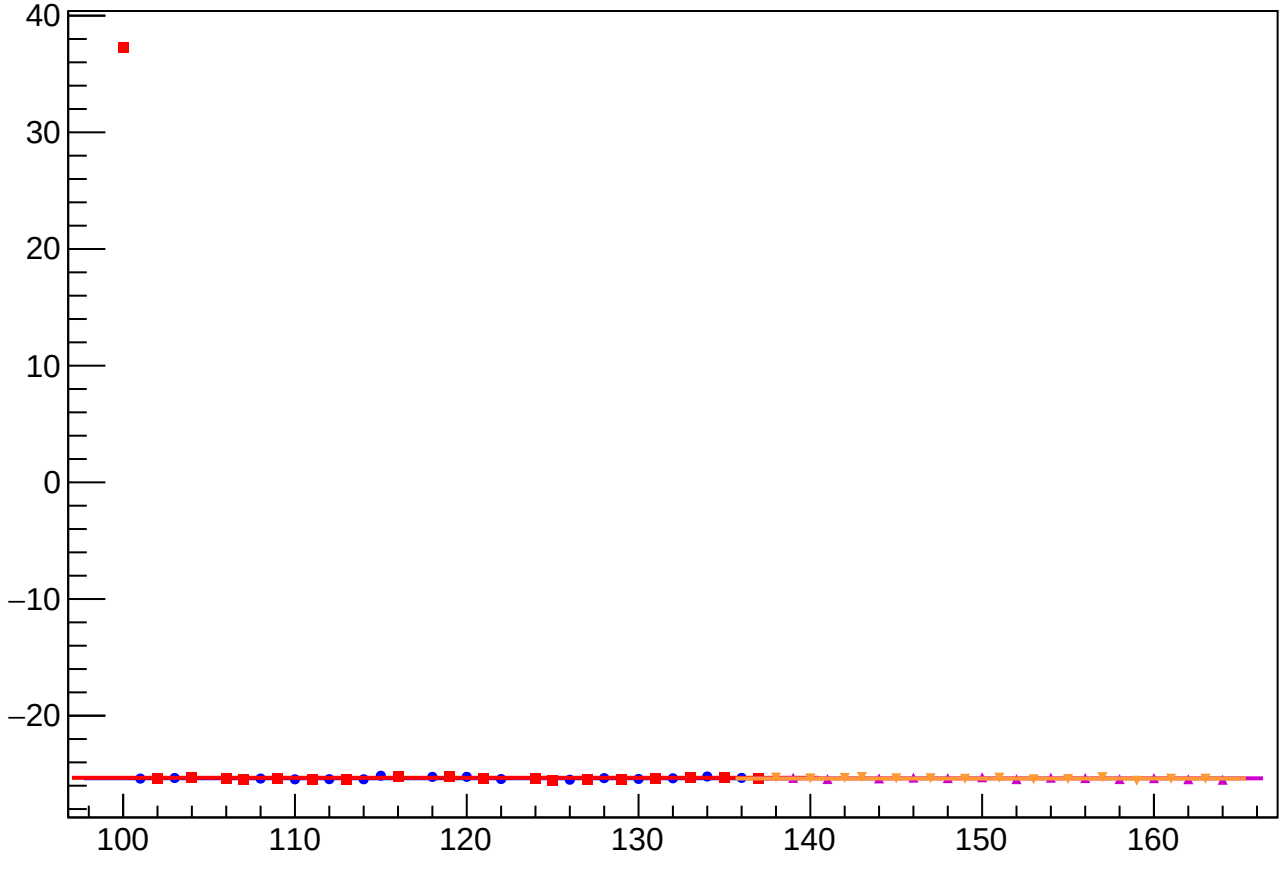
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.043+/-0.000 χ^2/NDF:194707.3/28

Out: 0.043+/-0.000 χ^2/NDF:213512.3/30

All: 0.043+/-0.000 χ^2/NDF: 408624.8/59

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.382+/-0.000 χ^2/NDF:22309490.4/13

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.368+/-0.000 χ^2/NDF:12532538.4/12

Left: -25.375+/-0.000 χ^2/NDF: 35189143.5/26

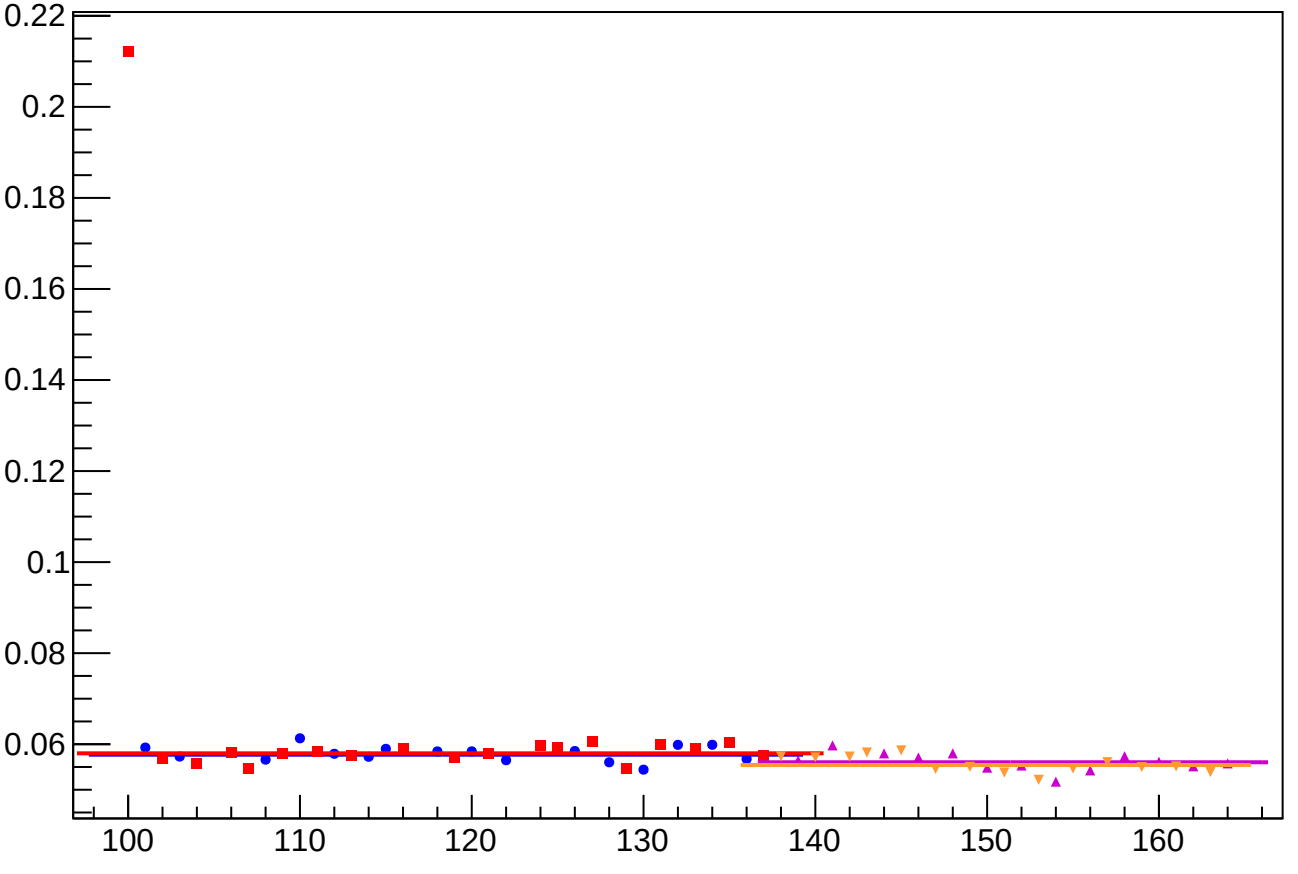
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.365+/-0.000 χ^2/NDF:25887563.6/28

Out: -25.359+/-0.000 χ^2/NDF:6341979559.1/32

All: -25.362+/-0.000 χ^2/NDF: 6367955537.4/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:22434.9/13

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:26667.1/12

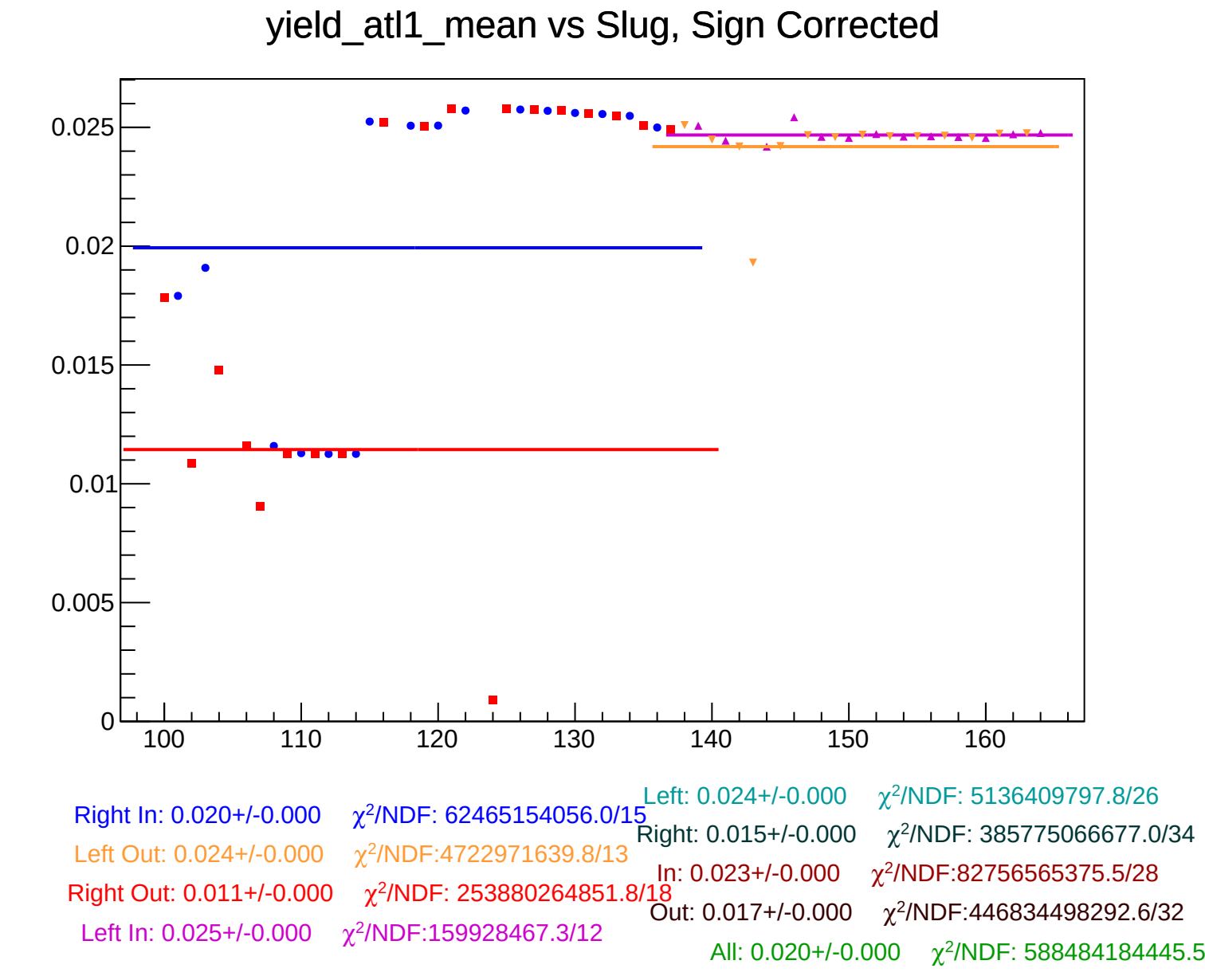
Left: 0.056+/-0.000 χ^2/NDF: 50333.4/26

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

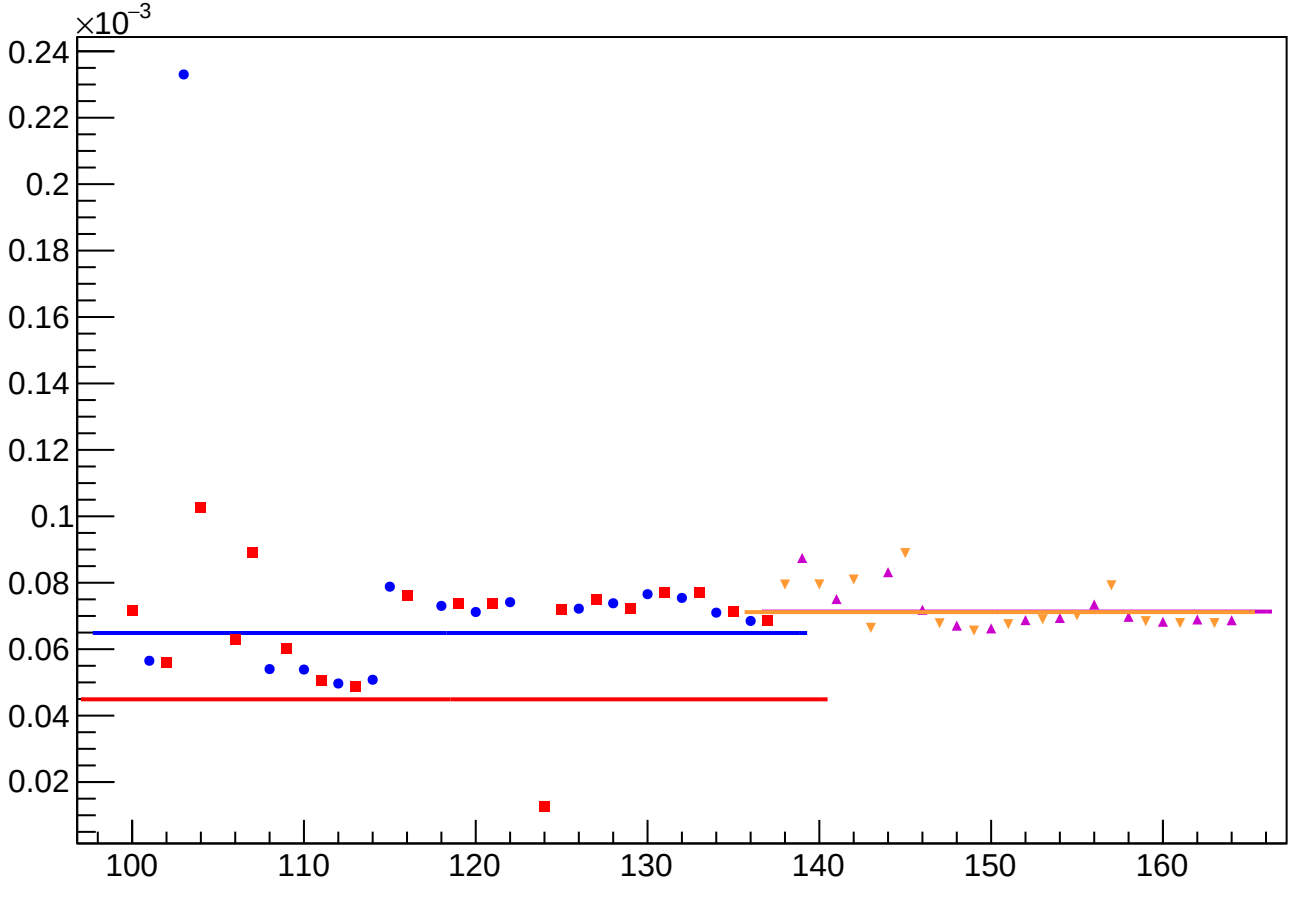
In: 0.057+/-0.000 χ^2/NDF:45610.7/28

Out: 0.056+/-0.000 χ^2/NDF:128604.9/32

All: 0.057+/-0.000 χ^2/NDF: 174609.4/61


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
Right In: 0.020+/-0.000 χ²/NDF: 62465154056.0/15
Left Out: 0.024+/-0.000 χ²/NDF:4722971639.8/13
Right Out: 0.011+/-0.000 χ²/NDF: 253880264851.8/18
Left In: 0.025+/-0.000 χ²/NDF:159928467.3/12
Left: 0.024+/-0.000 χ²/NDF: 5136409797.8/26
Right: 0.015+/-0.000 χ²/NDF: 385775066677.0/34
In: 0.023+/-0.000 χ²/NDF:82756565375.5/28
Out: 0.017+/-0.000 χ²/NDF:446834498292.6/32
All: 0.020+/-0.000 χ²/NDF: 588484184445.5

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:165518.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:124454.8/12

Left: 0.000+/-0.000 χ^2/NDF: 290027.6/26

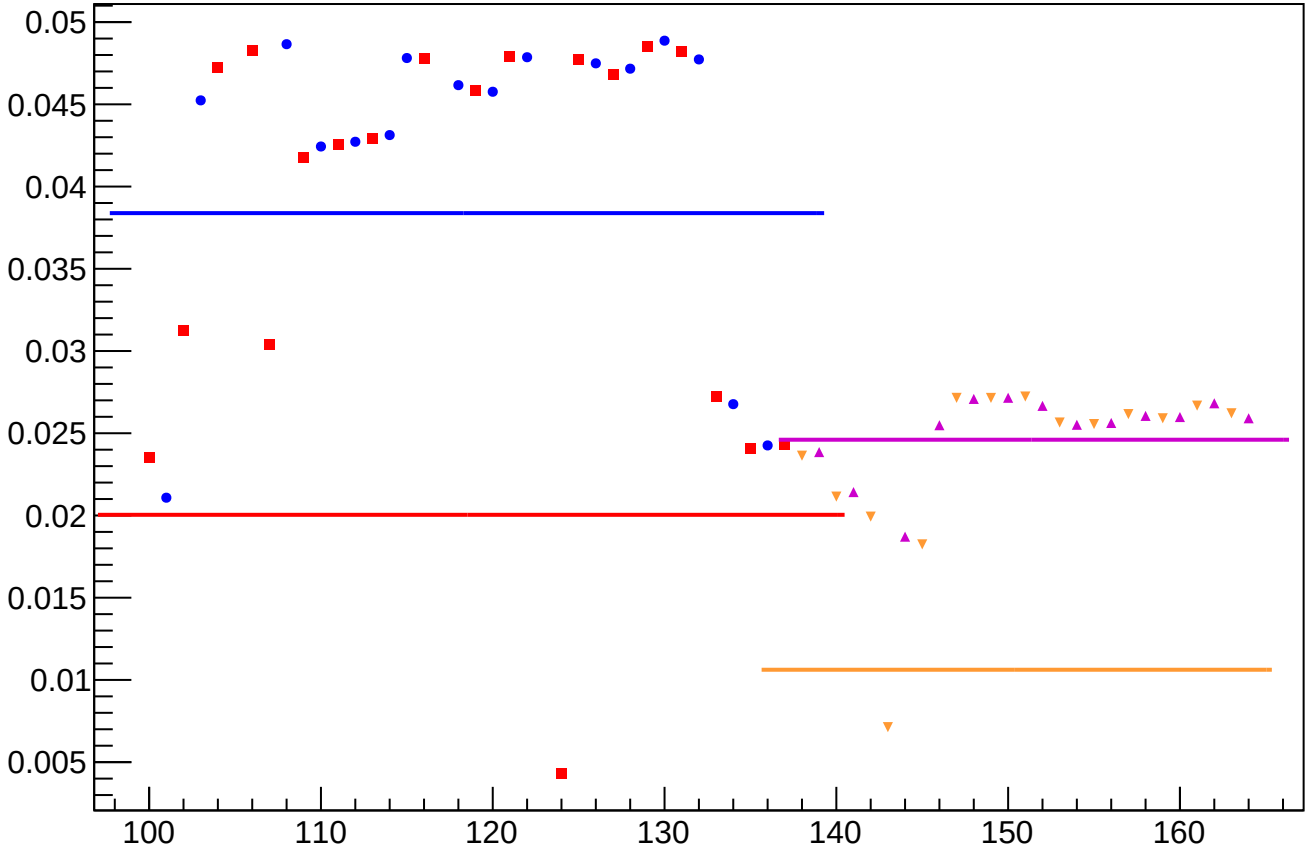
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1015708.2/28

Out: 0.000+/-0.000 χ^2/NDF:5532686.2/32

All: 0.000+/-0.000 χ^2/NDF: 7100725.0/61

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:27404677876.1/13

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.025+/-0.000 χ^2/NDF:944901021.6/12

Left: 0.013+/-0.000 χ^2/NDF: 46634968589.9/26

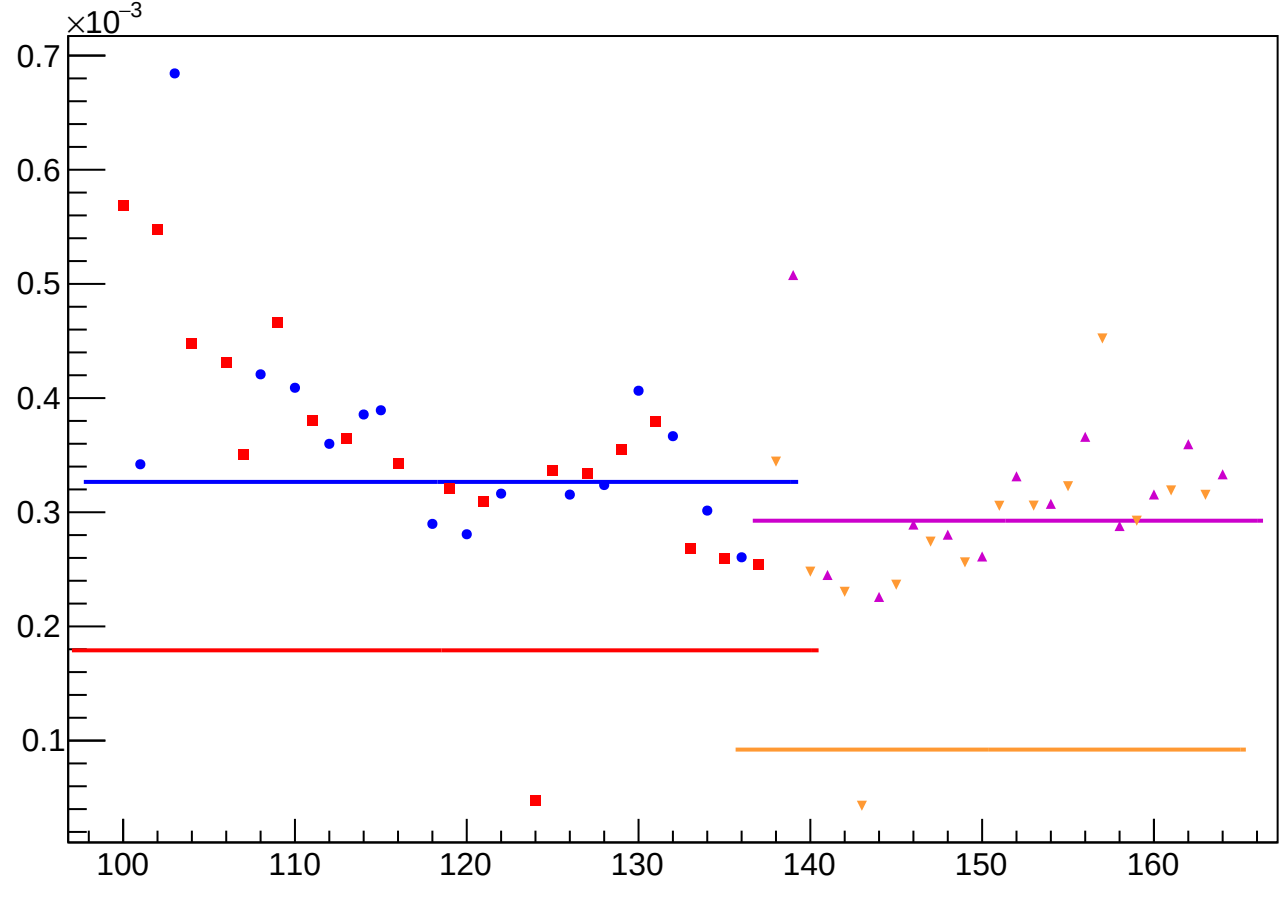
Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.029+/-0.000 χ^2/NDF:15395007157.6/28

Out: 0.012+/-0.000 χ^2/NDF:78441537484.3/32

All: 0.016+/-0.000 χ^2/NDF: 133391261204.3

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10895298.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:674013.1/12

Left: 0.000+/-0.000 χ^2/NDF: 19082600.3/26

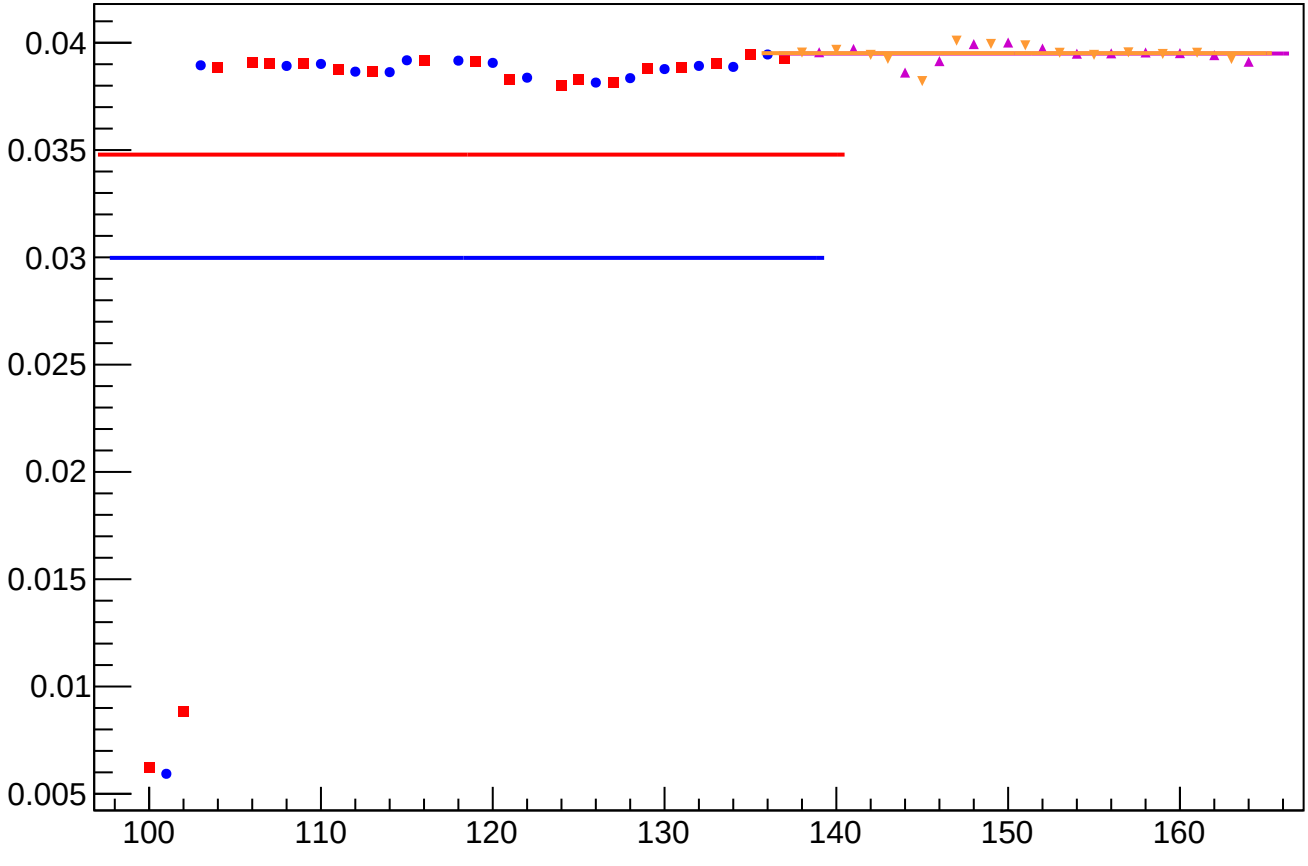
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1345144.4/28

Out: 0.000+/-0.000 χ^2/NDF:18063737.9/32

All: 0.000+/-0.000 χ^2/NDF: 29946261.2/61

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:97492953.3/13

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:72237429.1/12

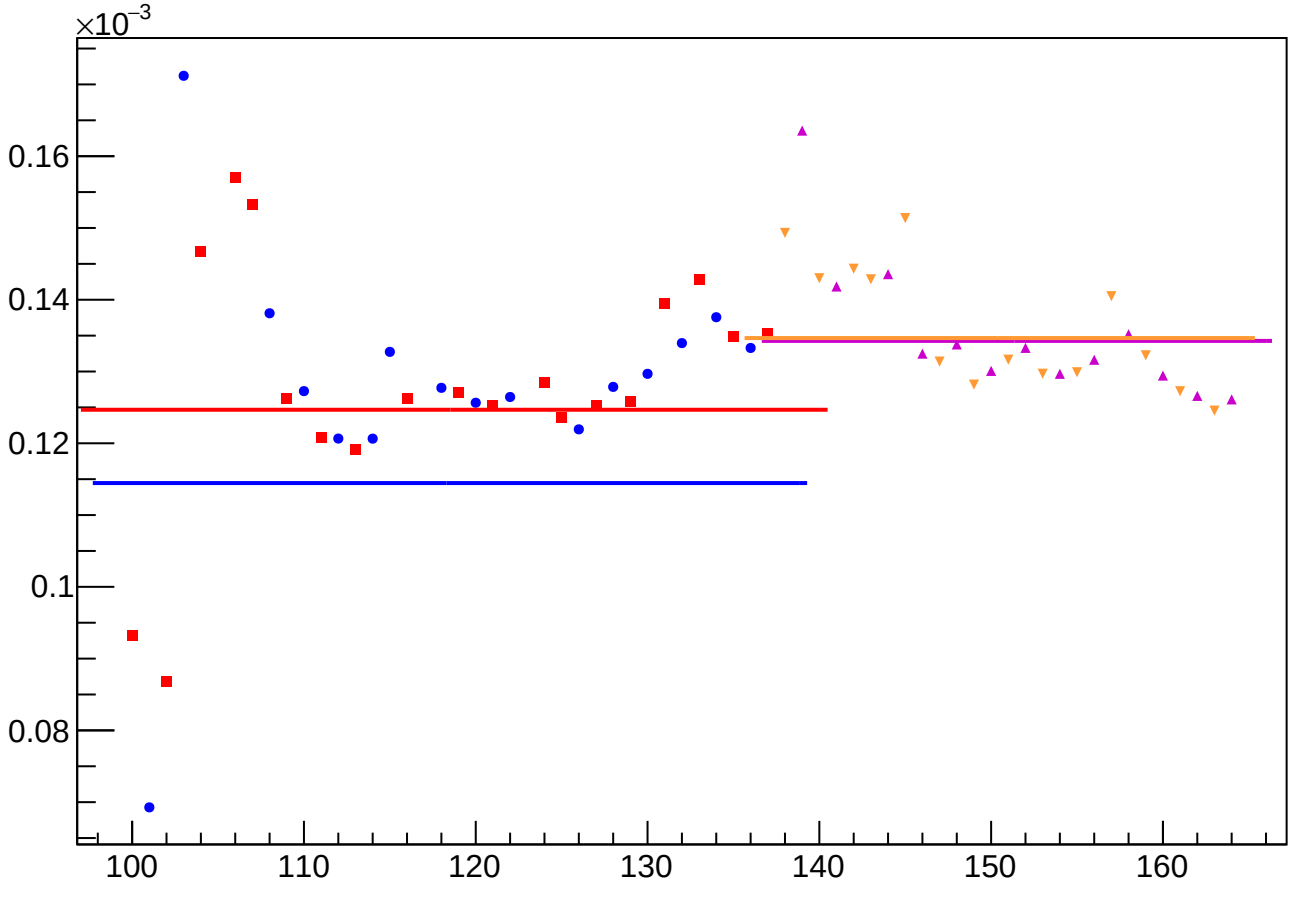
Left: 0.040+/-0.000 χ^2/NDF: 169822152.7/26

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.035+/-0.000 χ^2/NDF:133092034604.6/28

Out: 0.037+/-0.000 χ^2/NDF:53071481746.8/32

All: 0.036+/-0.000 χ^2/NDF: 189243155406.2



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:78239.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:83230.9/12

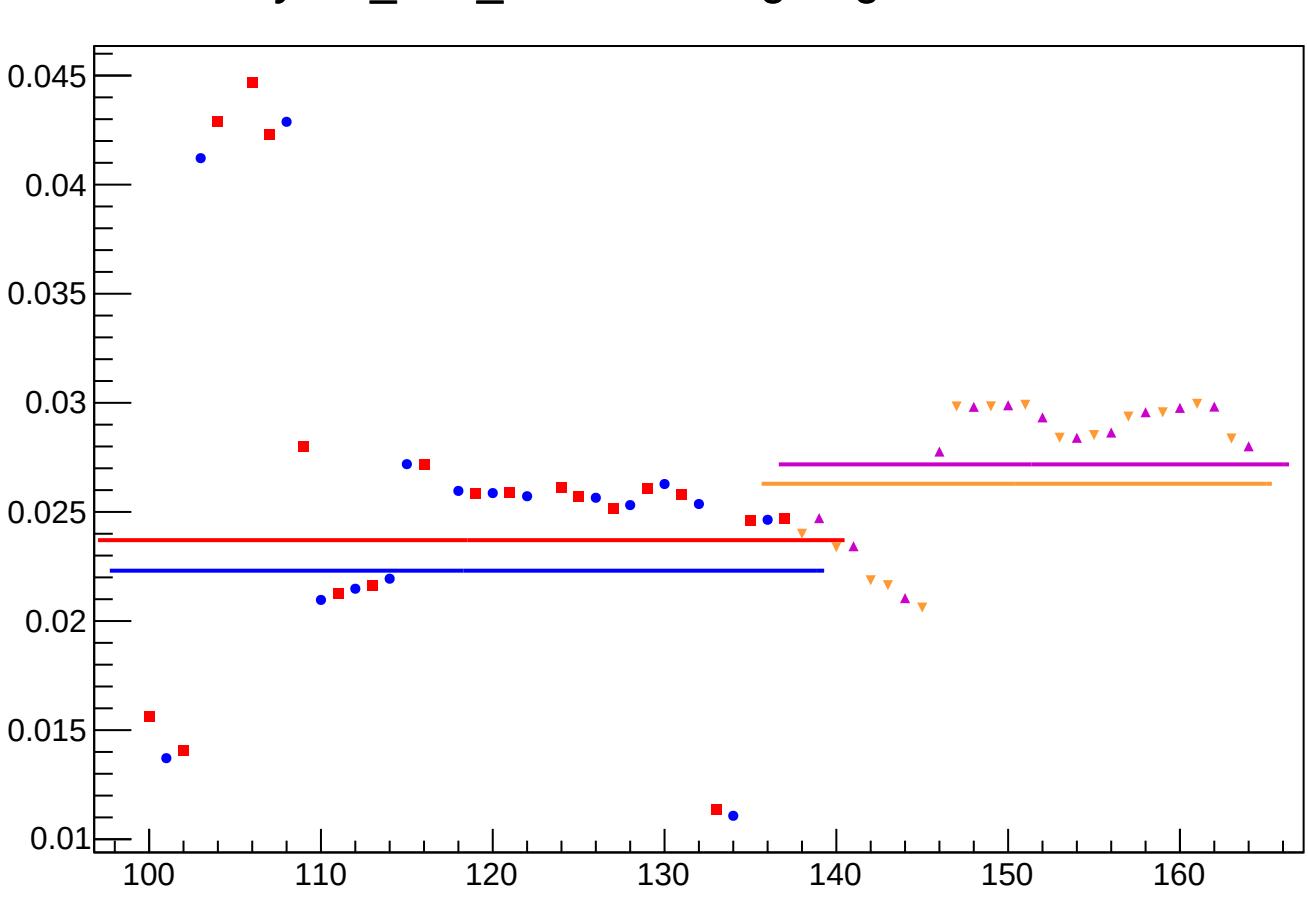
Left: 0.000+/-0.000 χ^2/NDF: 161563.6/26

Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1150475.7/28

Out: 0.000+/-0.000 χ^2/NDF:389631.0/32

All: 0.000+/-0.000 χ^2/NDF: 1569976.9/61



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.026+/-0.000 χ^2/NDF:1772968190.7/13

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.027+/-0.000 χ^2/NDF:1241563777.5/12

Left: 0.027+/-0.000 χ^2/NDF: 3063363623.3/26

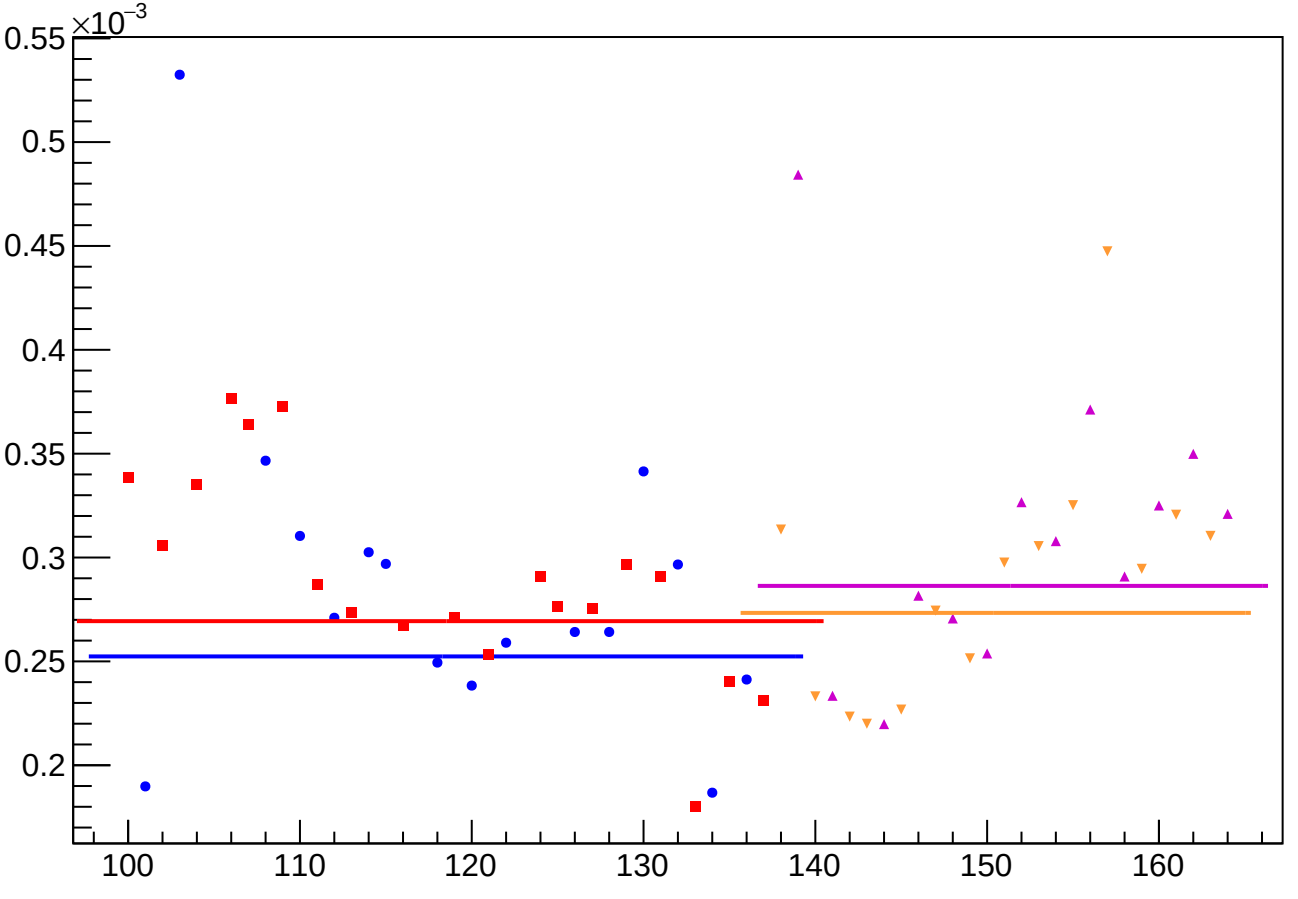
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.025+/-0.000 χ^2/NDF:7527546830.7/28

Out: 0.025+/-0.000 χ^2/NDF:7707837398.9/32

All: 0.025+/-0.000 χ^2/NDF: 15243059772.6/6

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:579977.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:726822.0/12

Left: 0.000+/-0.000 χ^2/NDF: 1327708.5/26

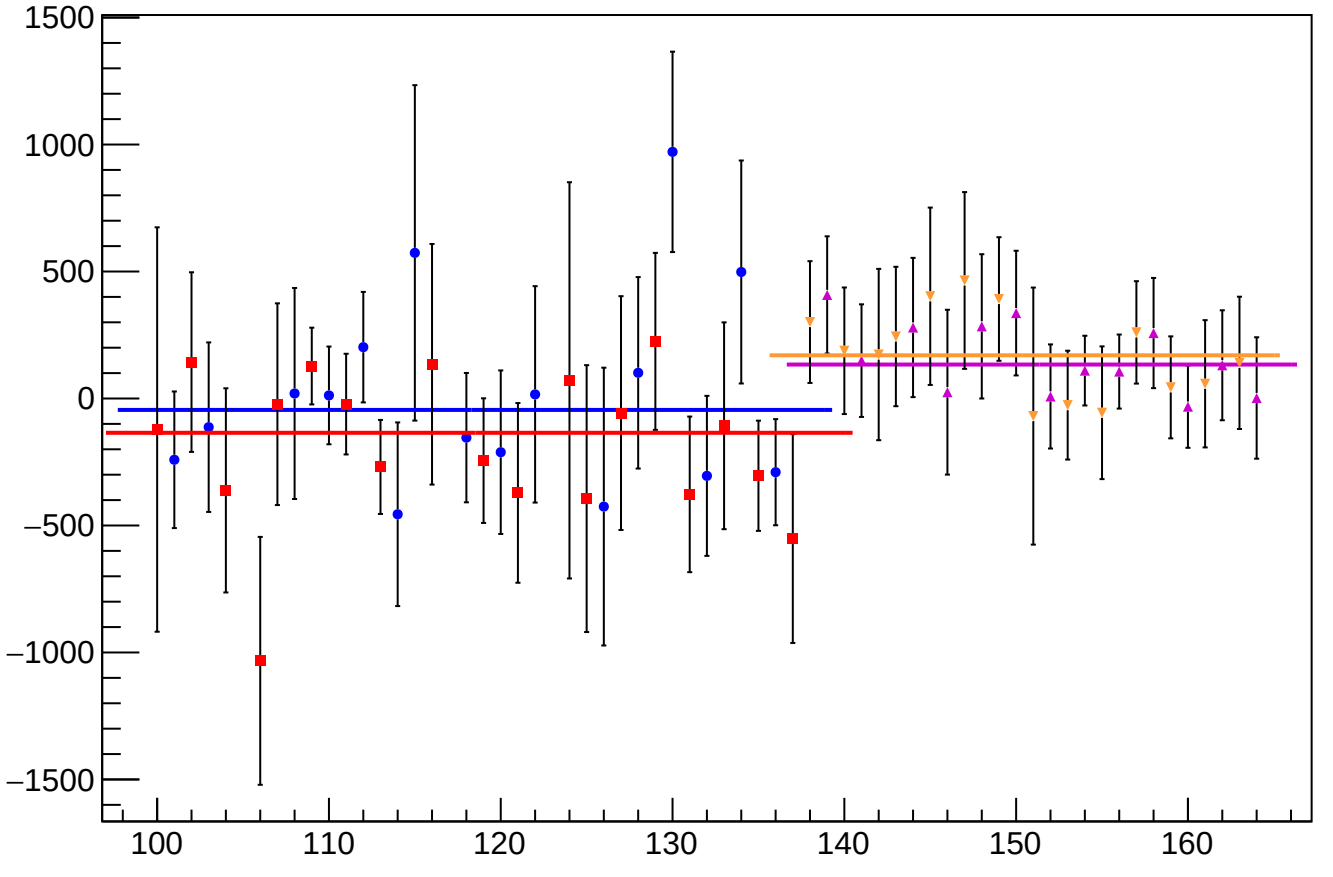
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1558476.6/28

Out: 0.000+/-0.000 χ^2/NDF:1028006.4/32

All: 0.000+/-0.000 χ^2/NDF: 2586612.7/61

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: 170.117+/-69.116 χ^2/NDF:5.0/13

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 133.698+/-56.524 χ^2/NDF:4.9/12

Left: 148.294+/-43.755 χ^2/NDF: 10.0/26

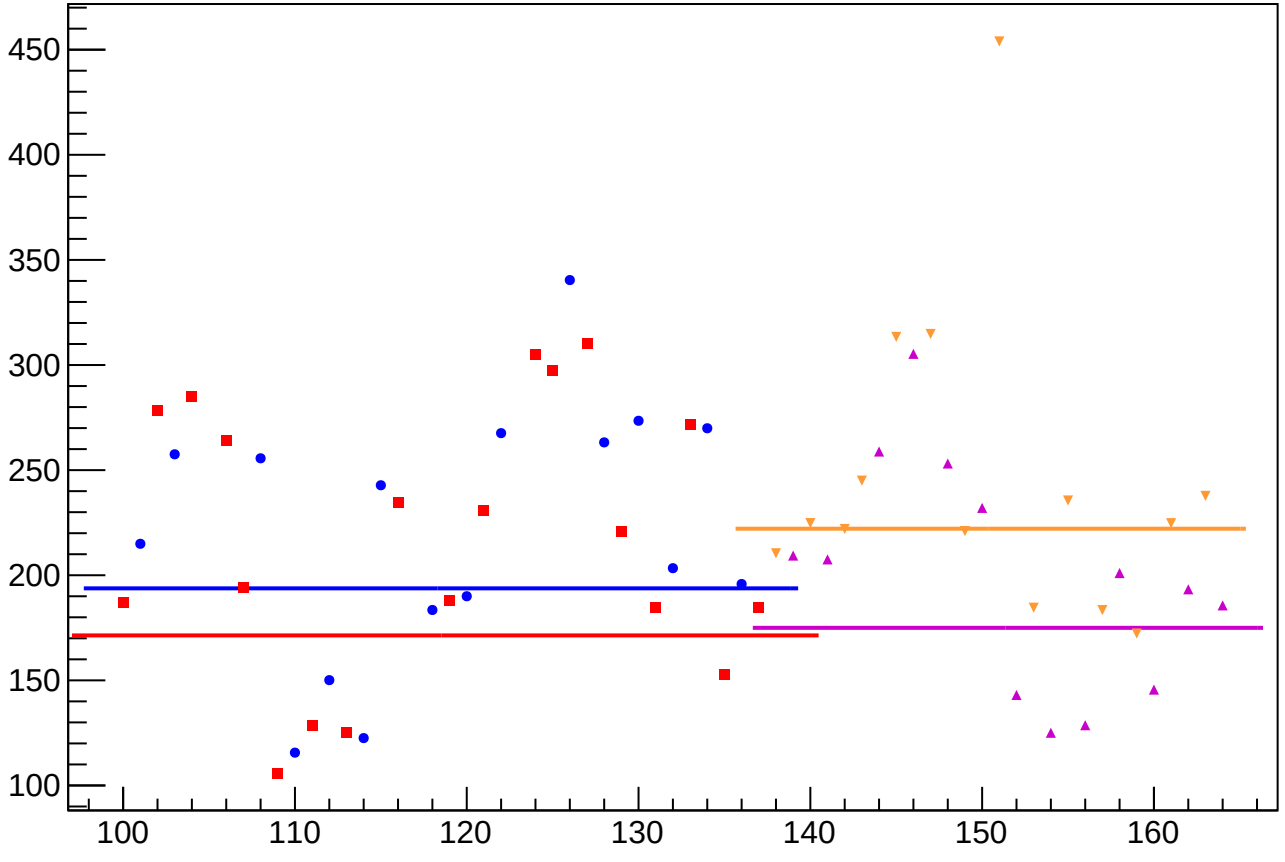
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 70.299+/-45.397 χ^2/NDF:23.9/28

Out: 15.217+/-48.495 χ^2/NDF:27.8/32

All: 44.574+/-33.142 χ^2/NDF: 52.4/61

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: 222.148+/-0.049 χ^2/NDF:988045.2/13

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 174.992+/-0.040 χ^2/NDF:1484400.4/12

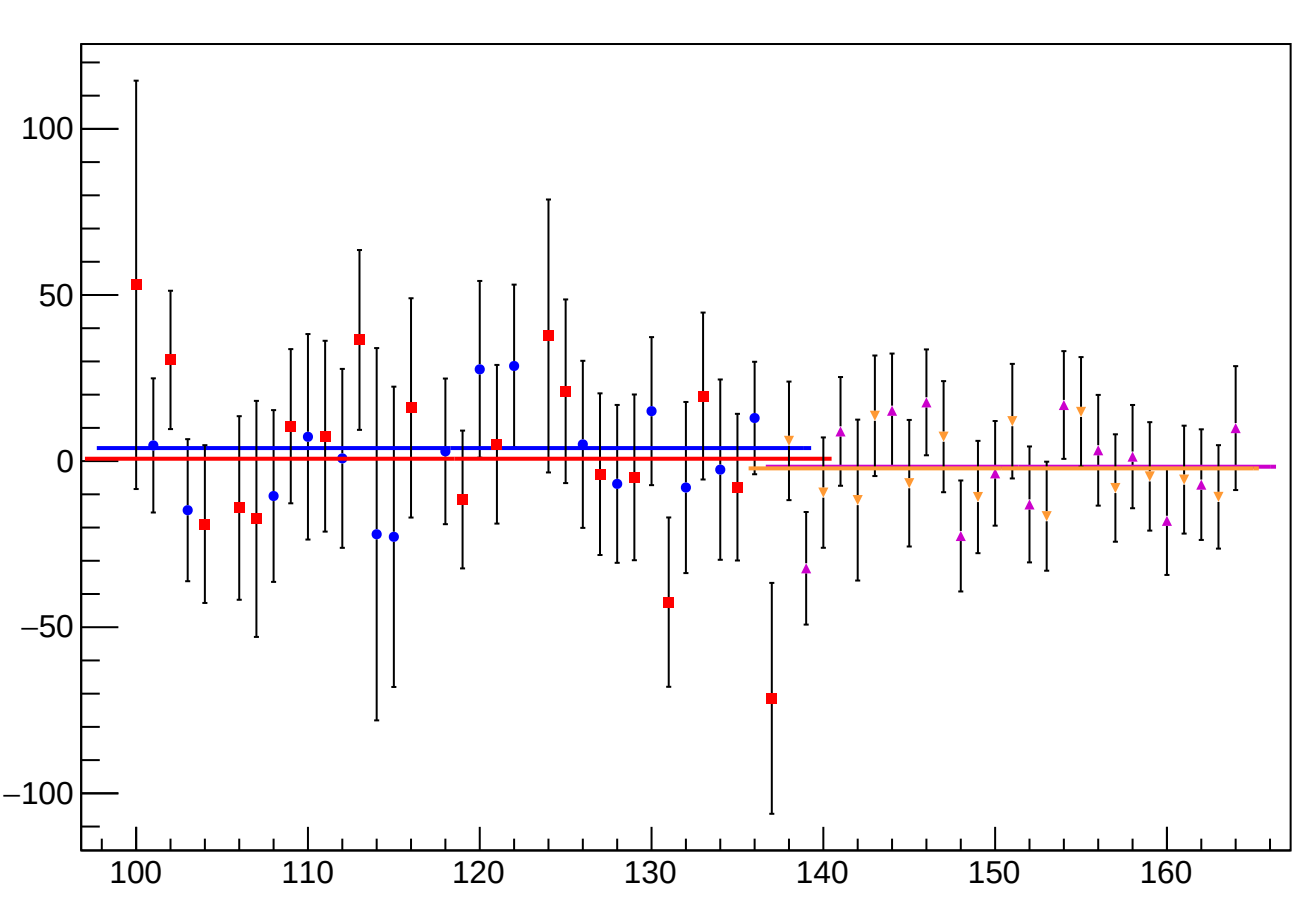
Left: 193.891+/-0.031 χ^2/NDF: 3030346.2/26

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 181.656+/-0.032 χ^2/NDF:2610829.2/28

Out: 196.375+/-0.034 χ^2/NDF:3193925.1/32

All: 188.530+/-0.023 χ^2/NDF: 5902948.7/61



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.189+/-4.584 χ^2/NDF:5.0/13

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -1.686+/-4.602 χ^2/NDF:11.0/12

Left: -1.938+/-3.248 χ^2/NDF: 16.0/26

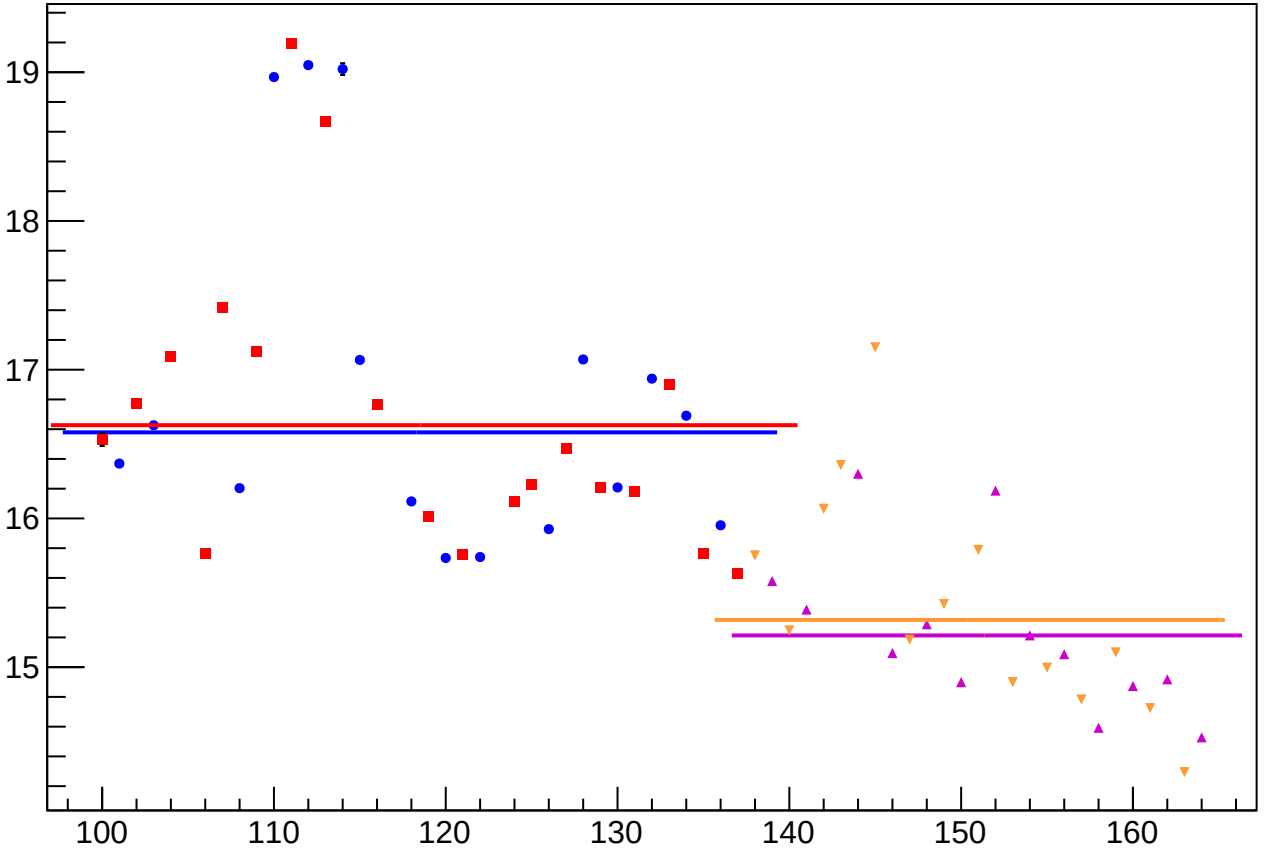
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 0.318+/-3.689 χ^2/NDF:16.1/28

Out: -1.136+/-3.660 χ^2/NDF:21.0/32

All: -0.415+/-2.598 χ^2/NDF: 37.2/61

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: 15.318+/-0.003 χ^2/NDF:45828.0/13

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.213+/-0.003 χ^2/NDF:23827.4/12

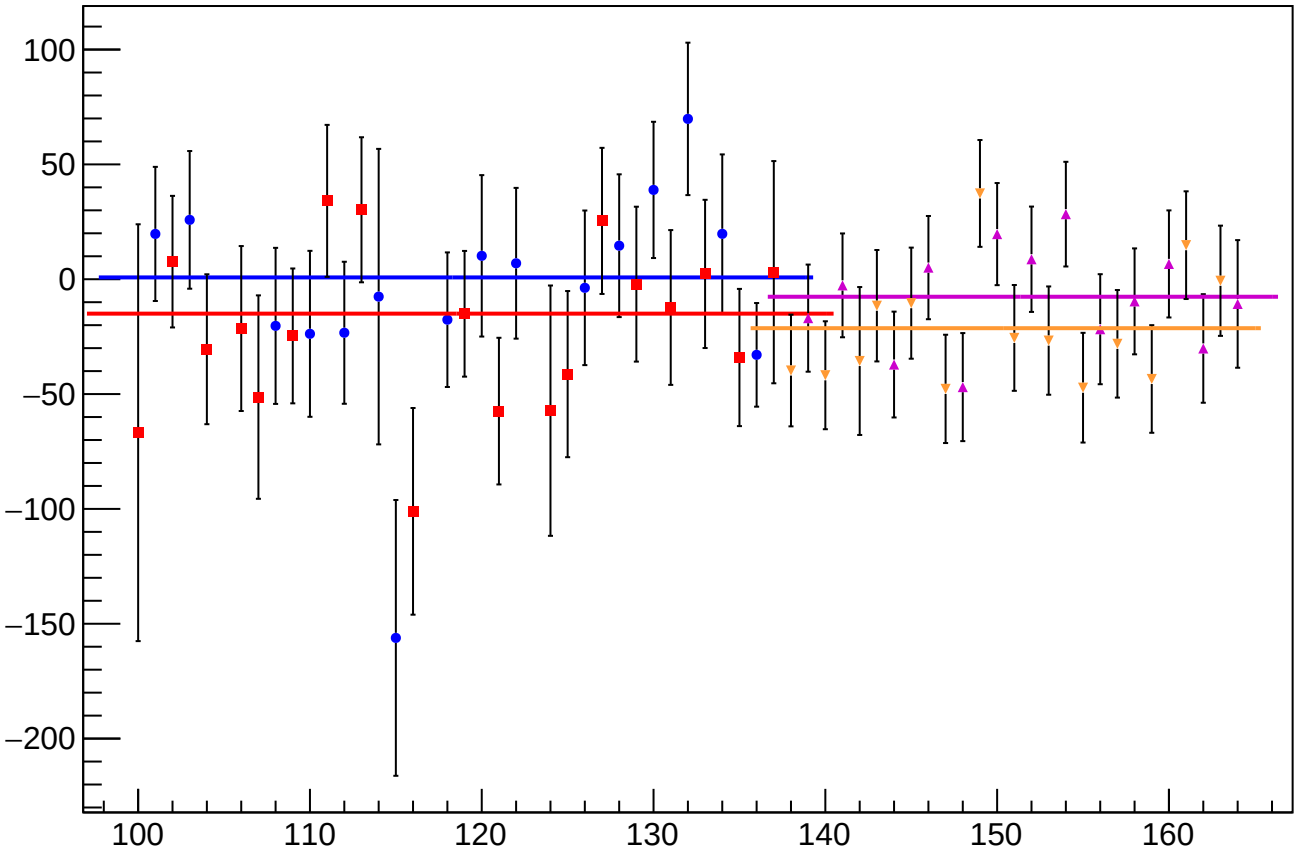
Left: 15.266+/-0.002 χ^2/NDF: 70172.3/26

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

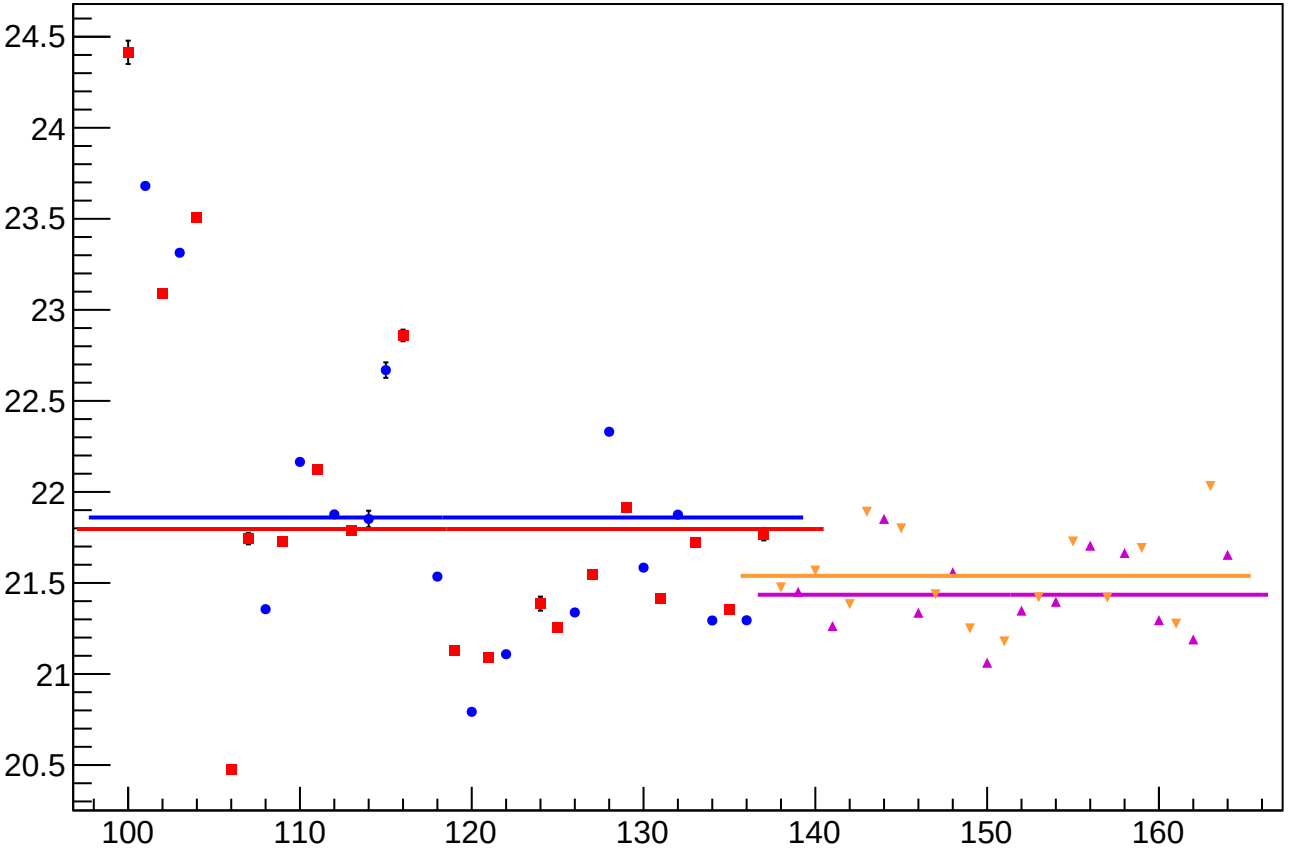
In: 15.701+/-0.003 χ^2/NDF:131311.8/28

Out: 15.793+/-0.003 χ^2/NDF:148452.7/32

All: 15.747+/-0.002 χ^2/NDF: 280383.4/61


asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
Right In: 0.790+/-8.125 χ²/NDF: 18.7/15
Left Out: -21.318+/-6.434 χ²/NDF:14.9/13
Right Out: -14.981+/-7.953 χ²/NDF: 15.4/18
Left In: -7.627+/-6.473 χ²/NDF:11.1/12
Left: -14.514+/-4.563 χ²/NDF: 28.2/26
Right: -7.264+/-5.683 χ²/NDF: 36.0/34
In: -4.359+/-5.063 χ²/NDF:30.4/28
Out: -18.812+/-5.002 χ²/NDF:30.7/32
All: -11.672+/-3.558 χ²/NDF: 65.2/61

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: 21.539+/-0.005 χ^2/NDF:2957.9/13

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.435+/-0.005 χ^2/NDF:2325.4/12

Left: 21.487+/-0.003 χ^2/NDF: 5541.1/26

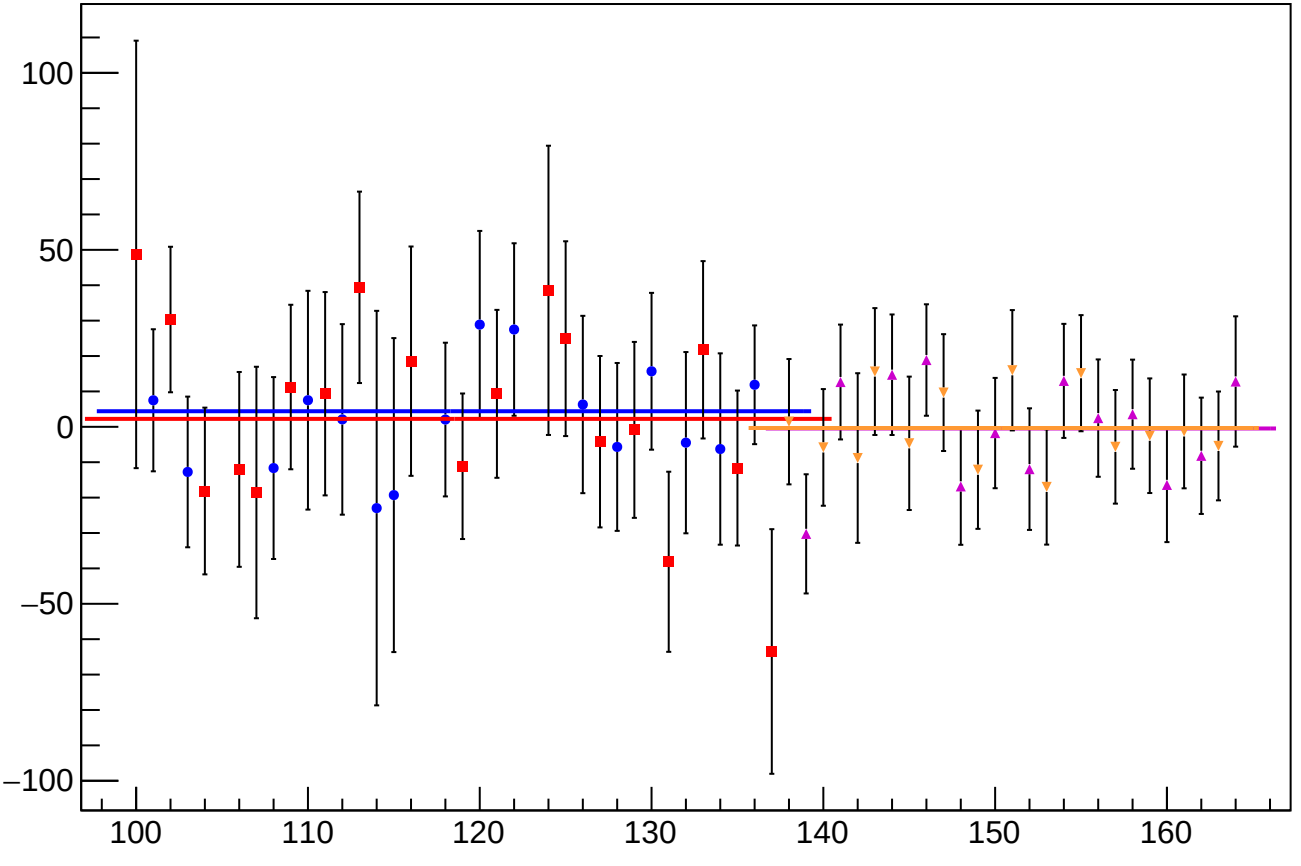
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.600+/-0.004 χ^2/NDF:25129.5/28

Out: 21.641+/-0.004 χ^2/NDF:23084.6/32

All: 21.621+/-0.003 χ^2/NDF: 48279.4/61

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: -0.335+/-4.539 χ^2/NDF:5.1/13

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -0.469+/-4.557 χ^2/NDF:10.0/12

Left: -0.402+/-3.216 χ^2/NDF: 15.1/26

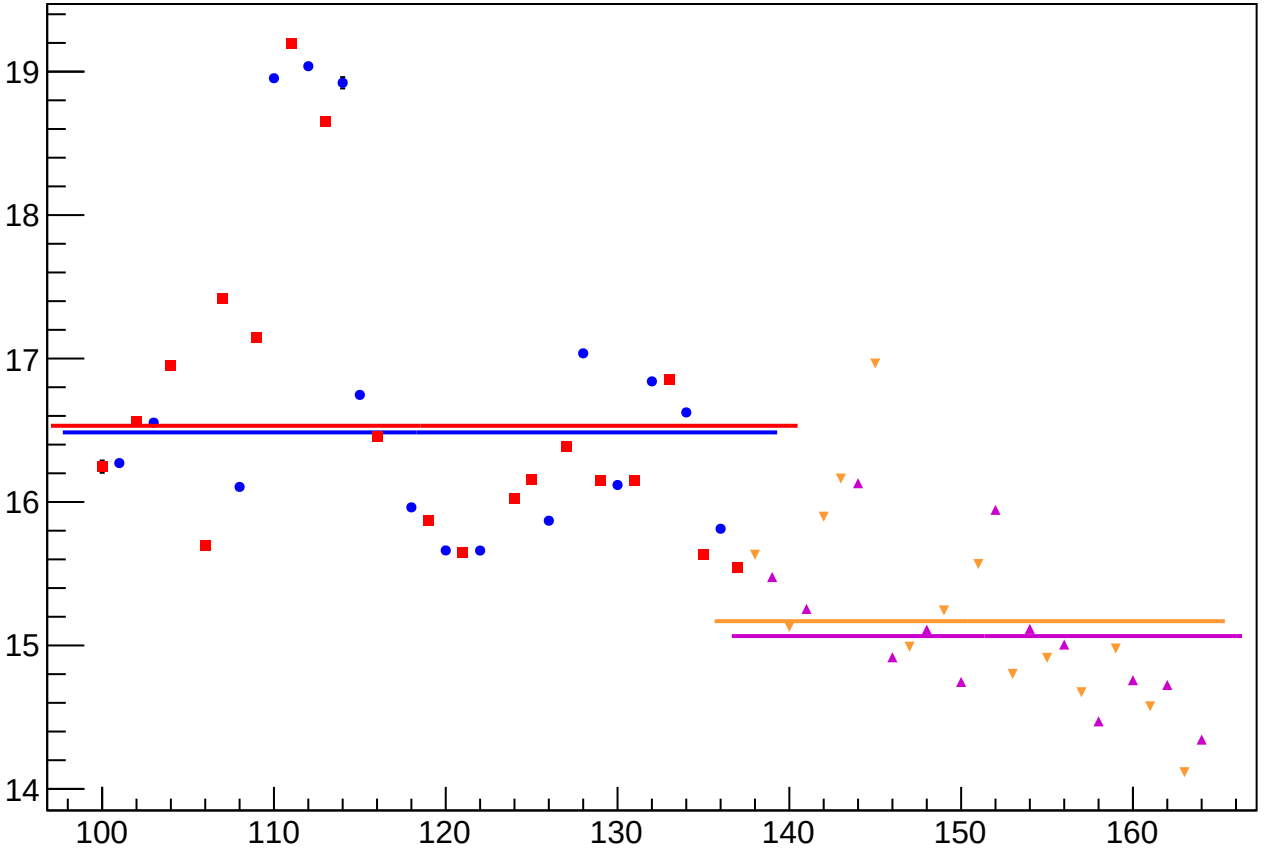
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 1.263+/-3.658 χ^2/NDF:14.7/28

Out: 0.595+/-3.629 χ^2/NDF:20.5/32

All: 0.926+/-2.577 χ^2/NDF: 35.3/61

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: 15.169+/-0.003 χ^2/NDF:44705.7/13

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.065+/-0.003 χ^2/NDF:23262.2/12

Left: 15.117+/-0.002 χ^2/NDF: 68490.3/26

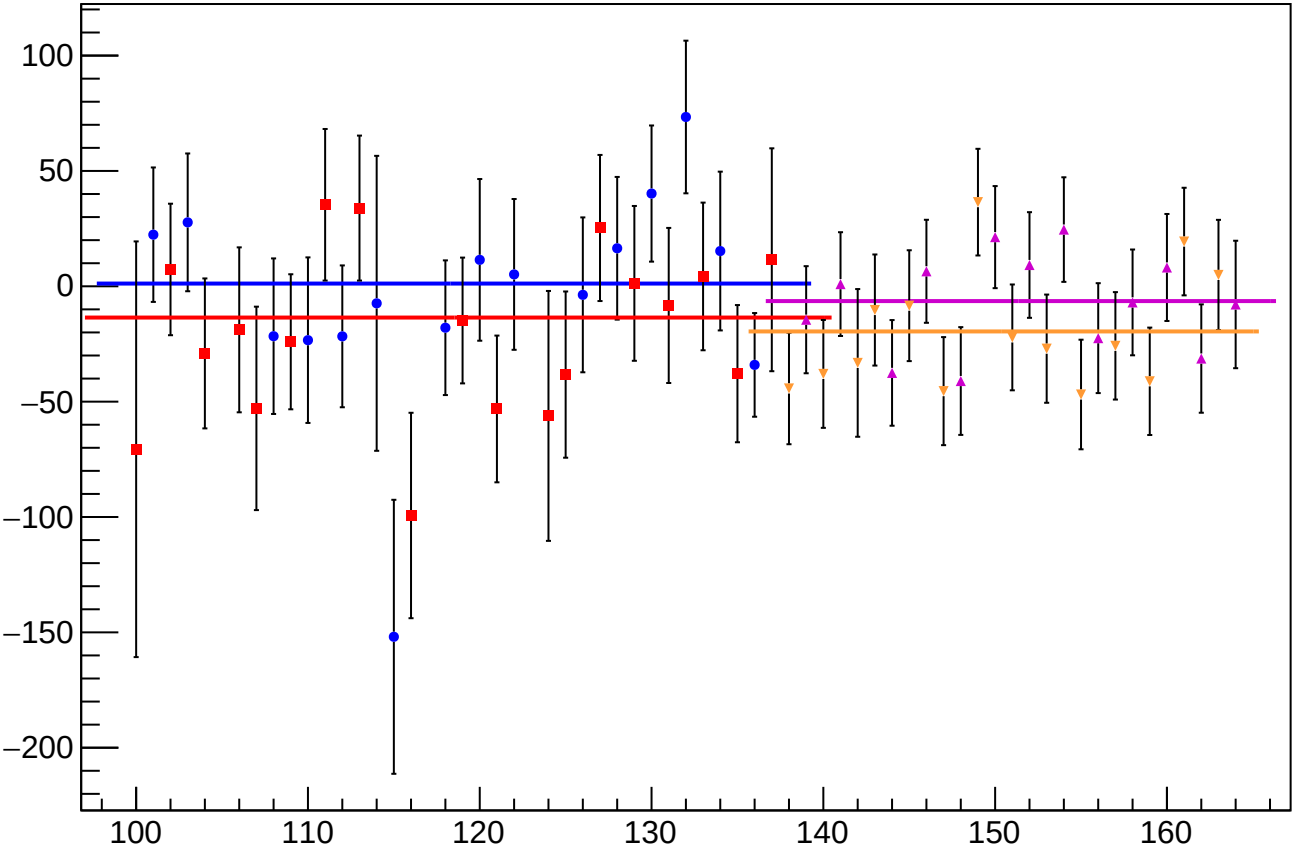
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.570+/-0.003 χ^2/NDF:139449.5/28

Out: 15.661+/-0.003 χ^2/NDF:156137.0/32

All: 15.616+/-0.002 χ^2/NDF: 296207.5/61

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -19.567+/-6.396 χ^2/NDF:15.5/13

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -6.410+/-6.438 χ^2/NDF:10.5/12

Left: -13.032+/-4.537 χ^2/NDF: 28.1/26

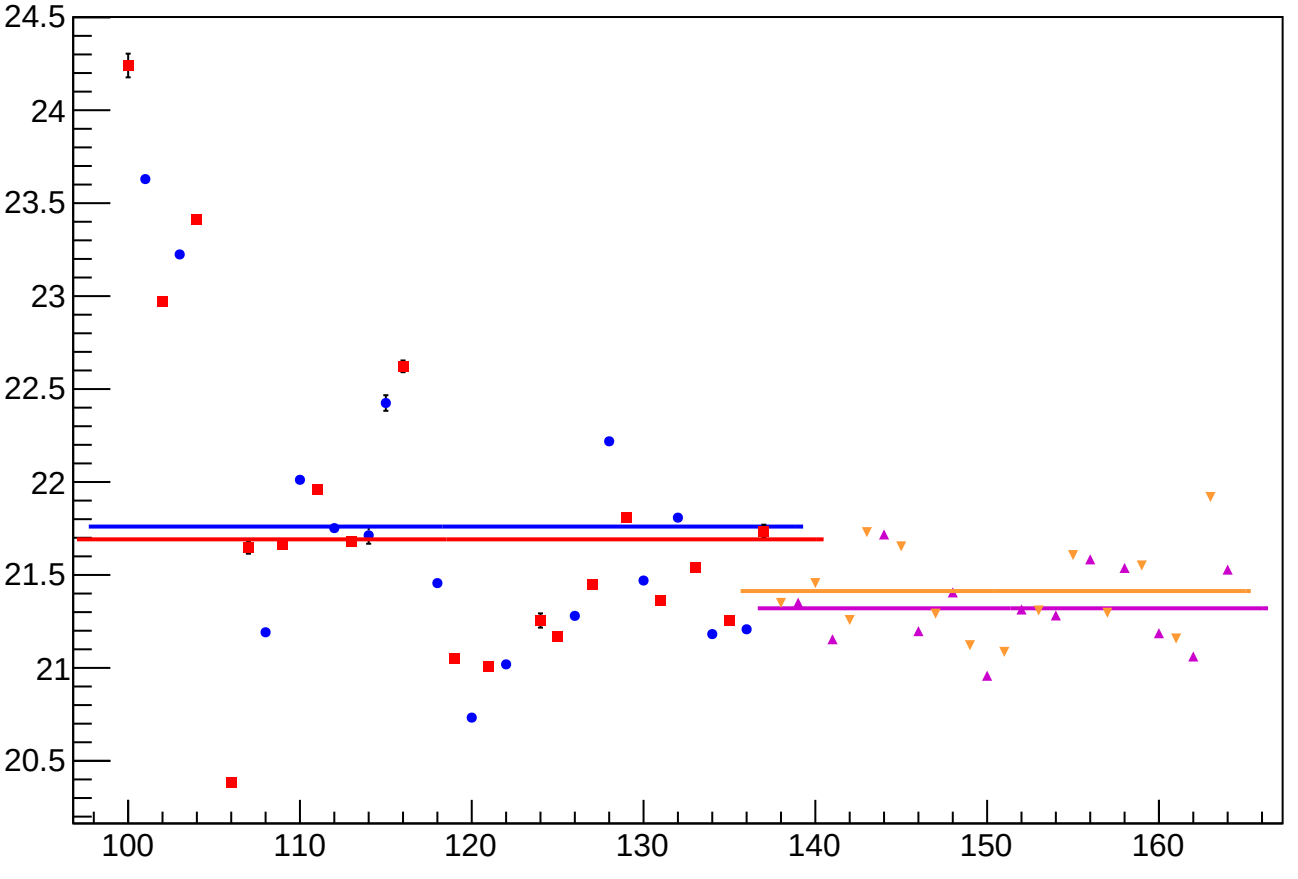
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -3.464+/-5.037 χ^2/NDF:30.4/28

Out: -17.189+/-4.975 χ^2/NDF:31.8/32

All: -10.412+/-3.540 χ^2/NDF: 66.0/61

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: 21.413+/-0.005 χ^2/NDF:2822.6/13

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.321+/-0.005 χ^2/NDF:2193.6/12

Left: 21.367+/-0.003 χ^2/NDF: 5225.0/26

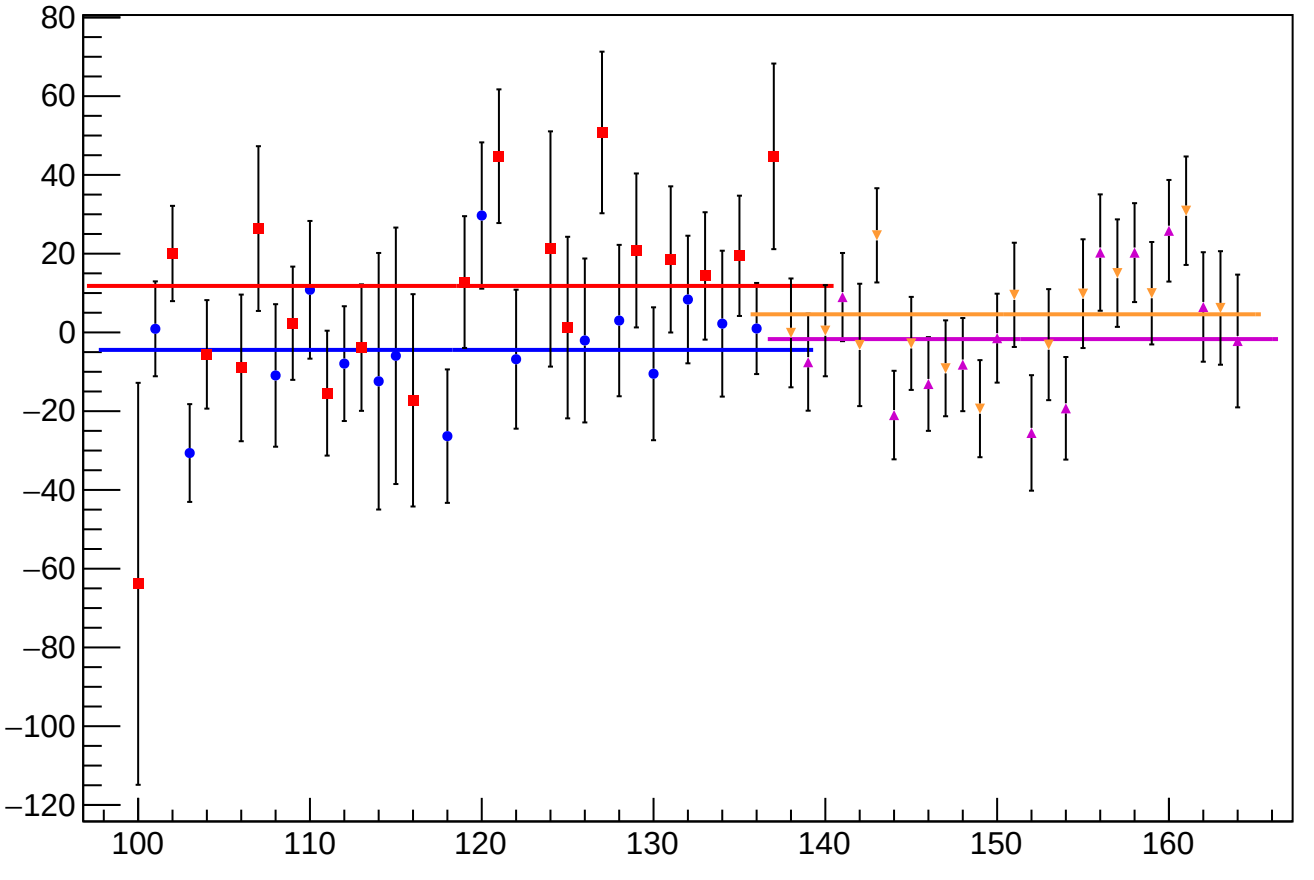
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.491+/-0.004 χ^2/NDF:25556.8/28

Out: 21.523+/-0.004 χ^2/NDF:22648.3/32

All: 21.507+/-0.003 χ^2/NDF: 48246.2/61

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 4.603+/-3.500 χ^2/NDF:13.7/13

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -1.694+/-3.521 χ^2/NDF:19.9/12

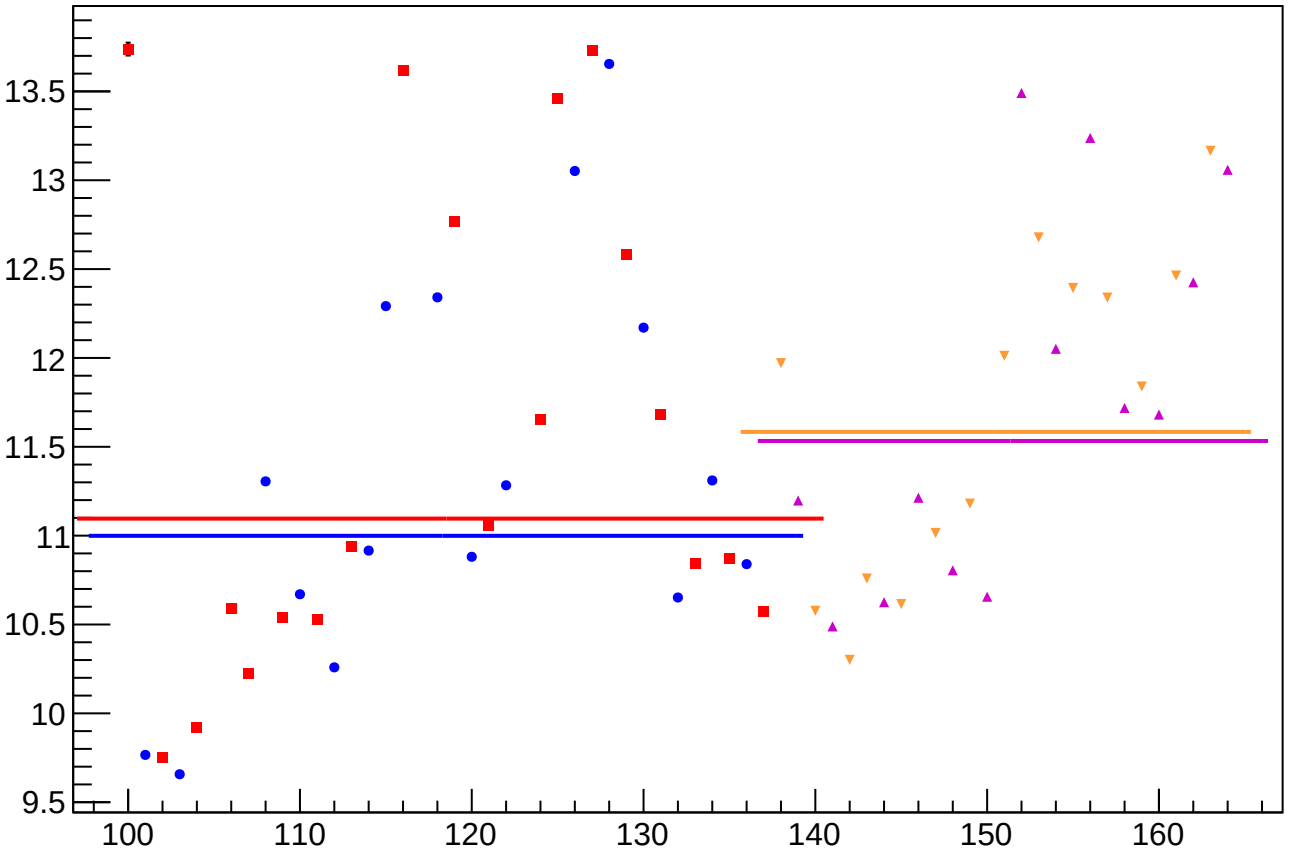
Left: 1.473+/-2.482 χ^2/NDF: 35.3/26

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -2.849+/-2.679 χ^2/NDF:32.2/28

Out: 7.642+/-2.661 χ^2/NDF:37.3/32

All: 2.432+/-1.888 χ^2/NDF: 77.1/61



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.584+/-0.002 χ^2/NDF:119950.7/13

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.533+/-0.002 χ^2/NDF:143719.9/12

Left: 11.559+/-0.002 χ^2/NDF: 263884.2/26

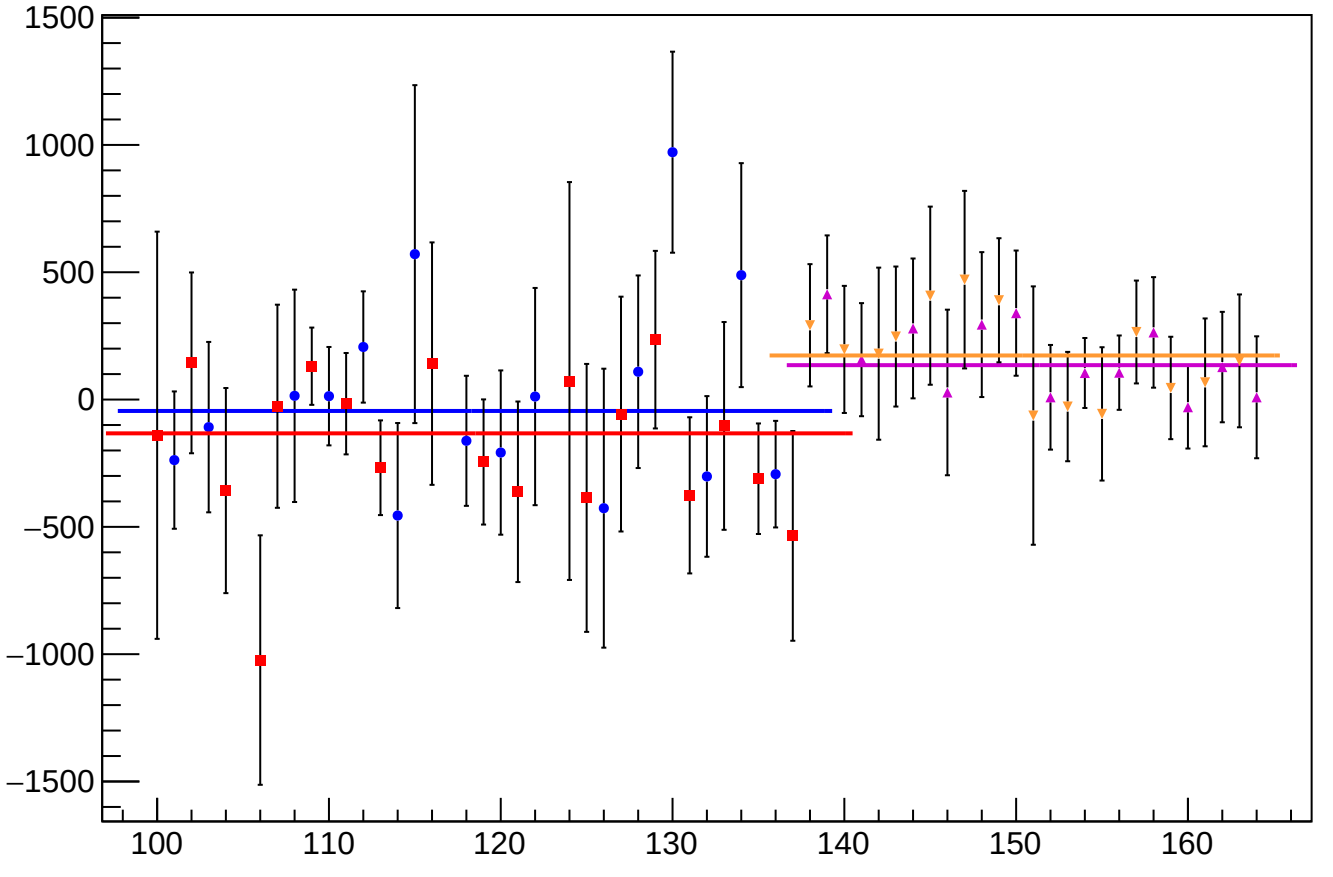
Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.308+/-0.002 χ^2/NDF:299217.9/28

Out: 11.378+/-0.002 χ^2/NDF:299268.5/32

All: 11.343+/-0.001 χ^2/NDF: 599173.2/61

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 173.141+/-69.240 χ^2/NDF:5.0/13

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 135.082+/-56.613 χ^2/NDF:5.0/12

Left: 150.331+/-43.828 χ^2/NDF: 10.1/26

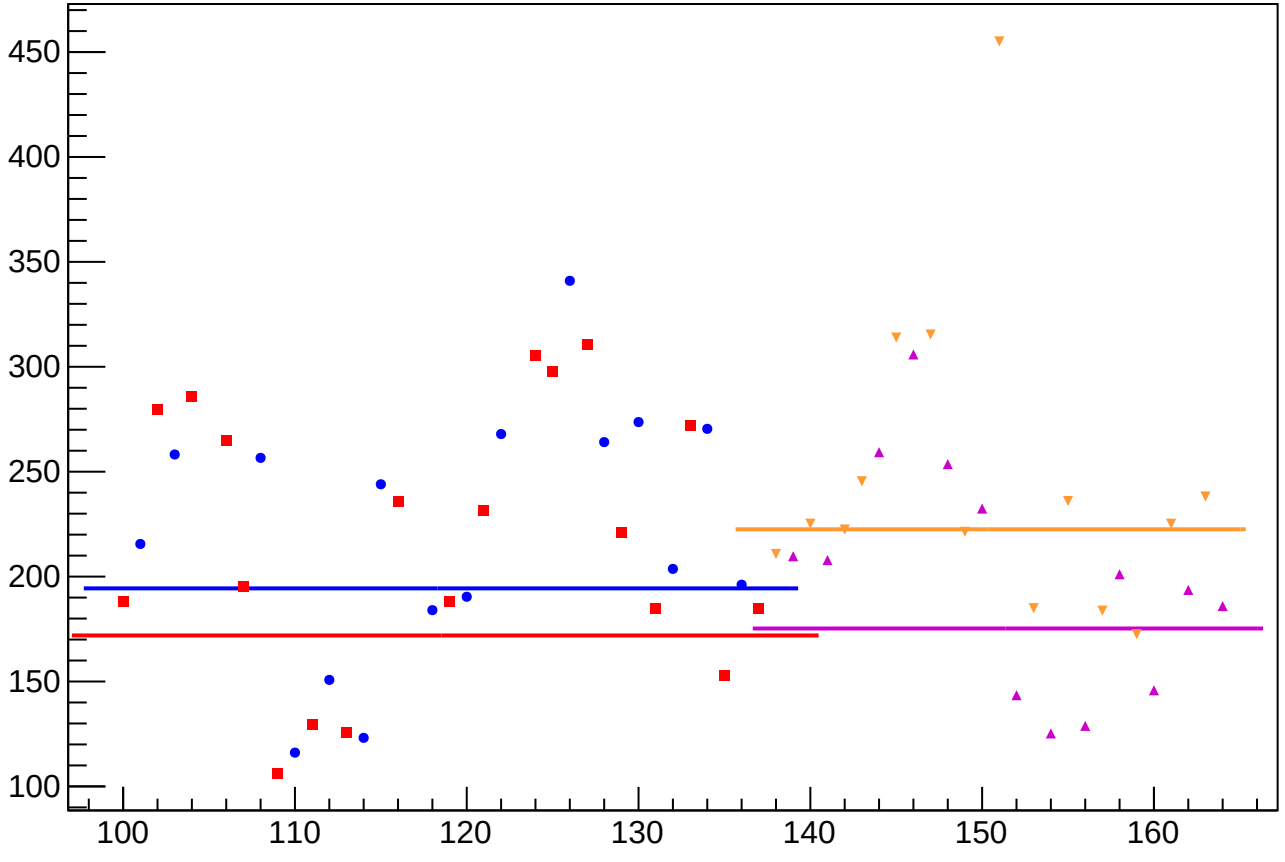
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 71.346+/-45.491 χ^2/NDF:24.0/28

Out: 18.047+/-48.613 χ^2/NDF:27.7/32

All: 46.463+/-33.216 χ^2/NDF: 52.3/61

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: 222.543+/-0.049 χ^2/NDF:988792.0/13

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 175.267+/-0.040 χ^2/NDF:1484496.3/12

Left: 194.209+/-0.031 χ^2/NDF: 3032079.8/26

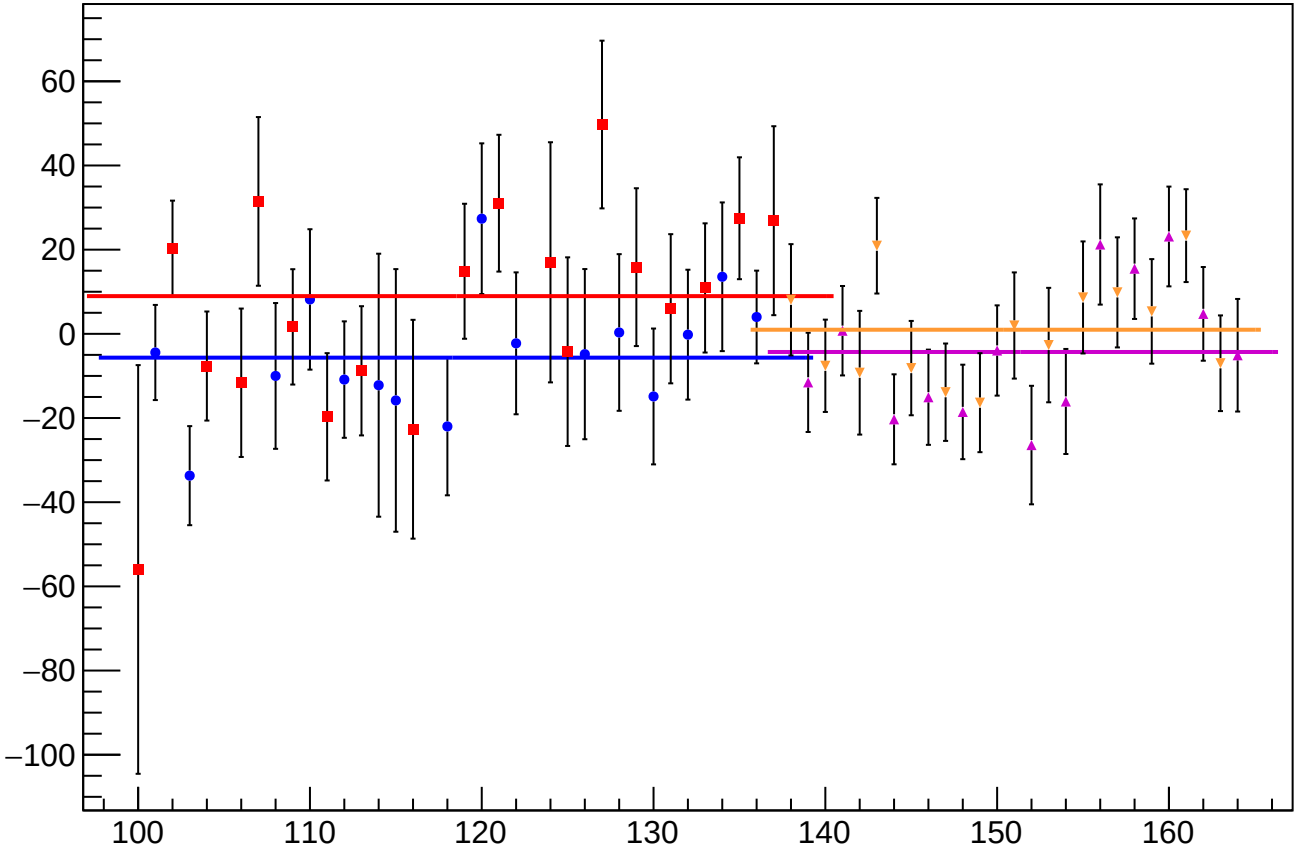
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.041+/-0.032 χ^2/NDF:2607330.6/28

Out: 196.889+/-0.034 χ^2/NDF:3181597.4/32

All: 188.973+/-0.023 χ^2/NDF: 5888392.4/61

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: 0.977+/-3.249 χ^2/NDF:14.5/13

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -4.312+/-3.272 χ^2/NDF:20.7/12

Left: -1.649+/-2.306 χ^2/NDF: 36.5/26

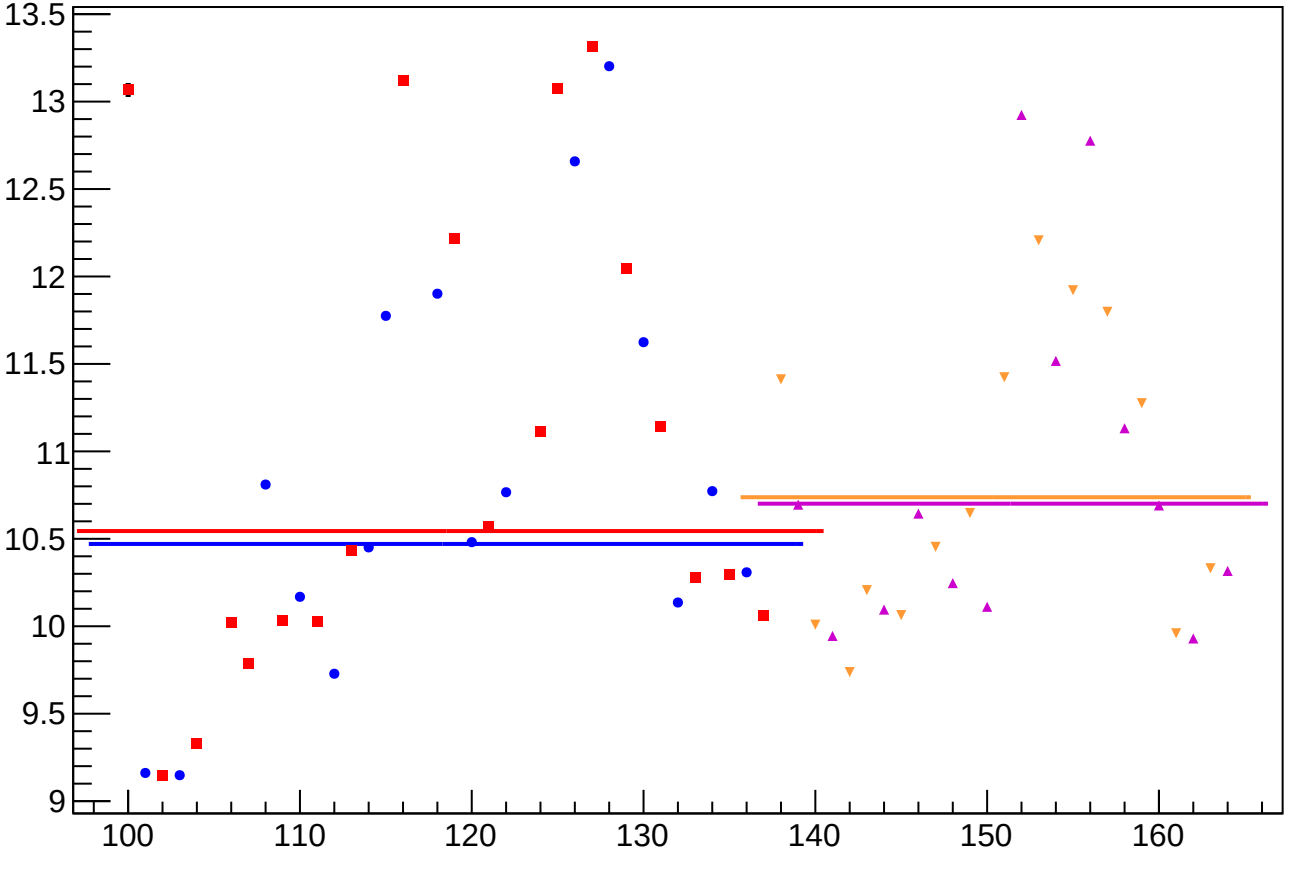
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.861+/-2.517 χ^2/NDF:34.4/28

Out: 4.247+/-2.497 χ^2/NDF:39.8/32

All: -0.270+/-1.773 χ^2/NDF: 80.8/61

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: 10.738+/-0.002 χ^2/NDF:110682.5/13

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.701+/-0.002 χ^2/NDF:140413.5/12

Left: 10.719+/-0.002 χ^2/NDF: 251223.5/26

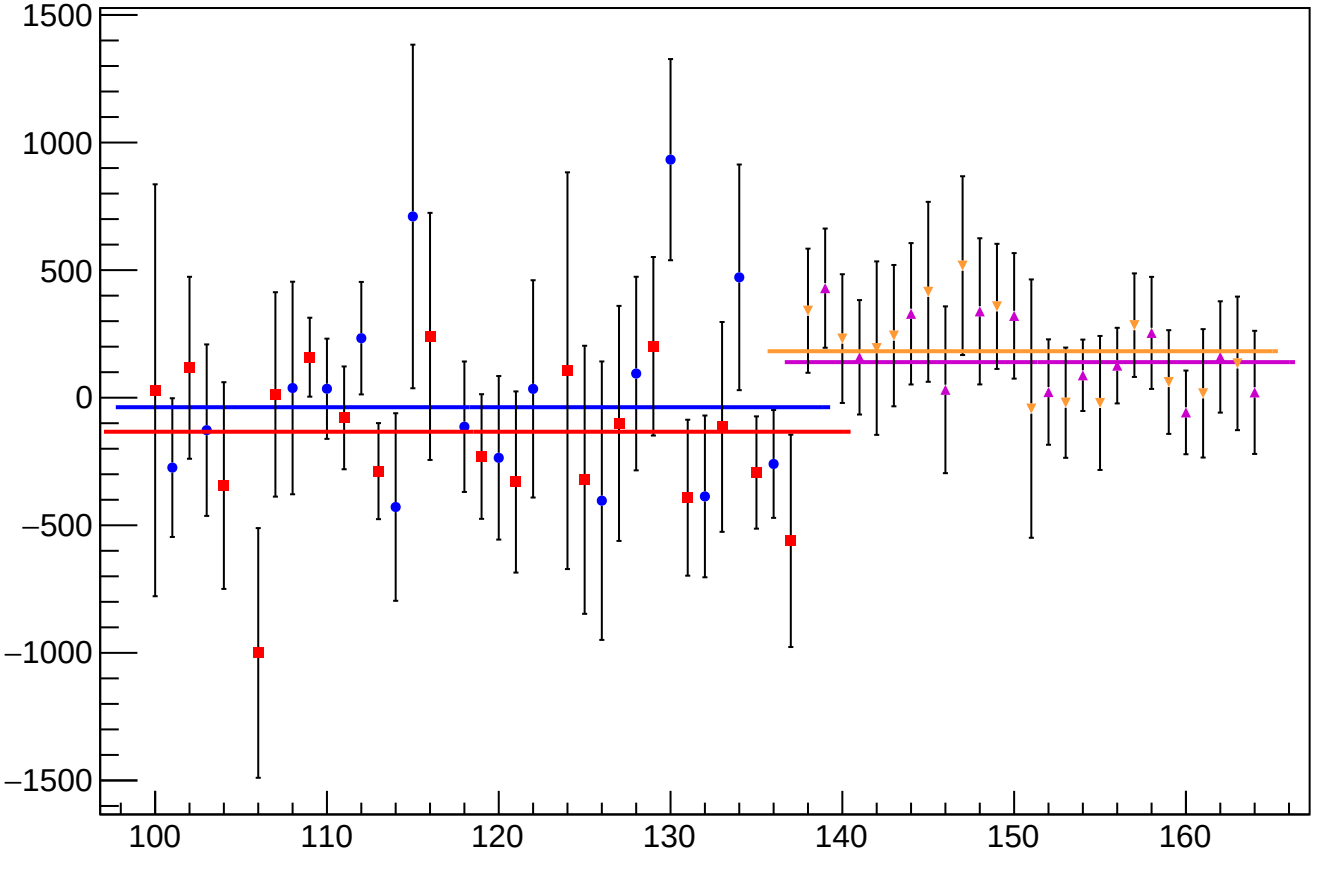
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.607+/-0.002 χ^2/NDF:301826.1/28

Out: 10.659+/-0.002 χ^2/NDF:300364.7/32

All: 10.633+/-0.001 χ^2/NDF: 602615.0/61

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: 182.211+/-69.700 χ^2/NDF:5.1/13

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 139.435+/-57.212 χ^2/NDF:5.6/12

Left: 156.654+/-44.222 χ^2/NDF: 10.9/26

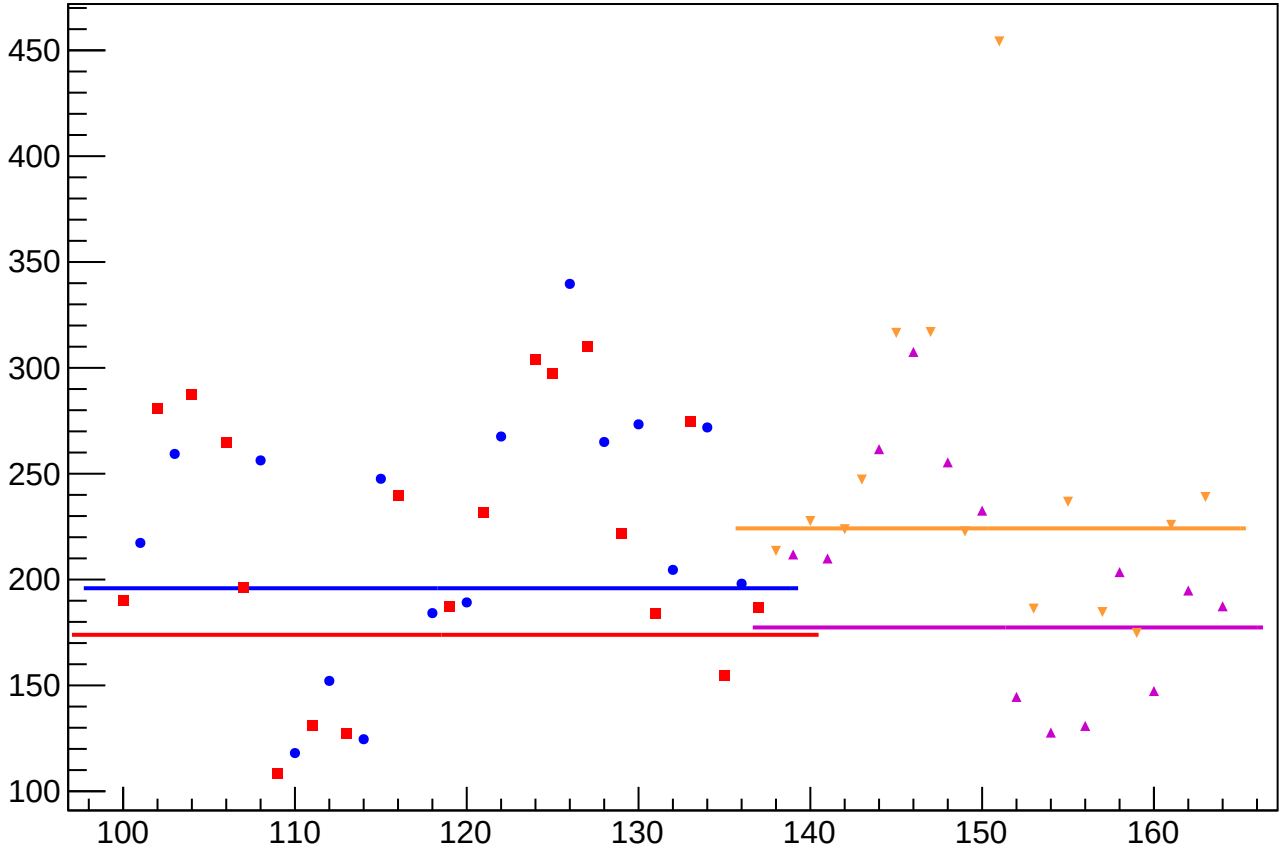
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 76.502+/-45.905 χ^2/NDF:24.6/28

Out: 22.557+/-48.995 χ^2/NDF:28.4/32

All: 51.284+/-33.499 χ^2/NDF: 53.7/61

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: 224.176+/-0.049 χ^2/NDF:975040.8/13

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 177.375+/-0.040 χ^2/NDF:1447922.4/12

Left: 196.215+/-0.031 χ^2/NDF: 2961699.5/26

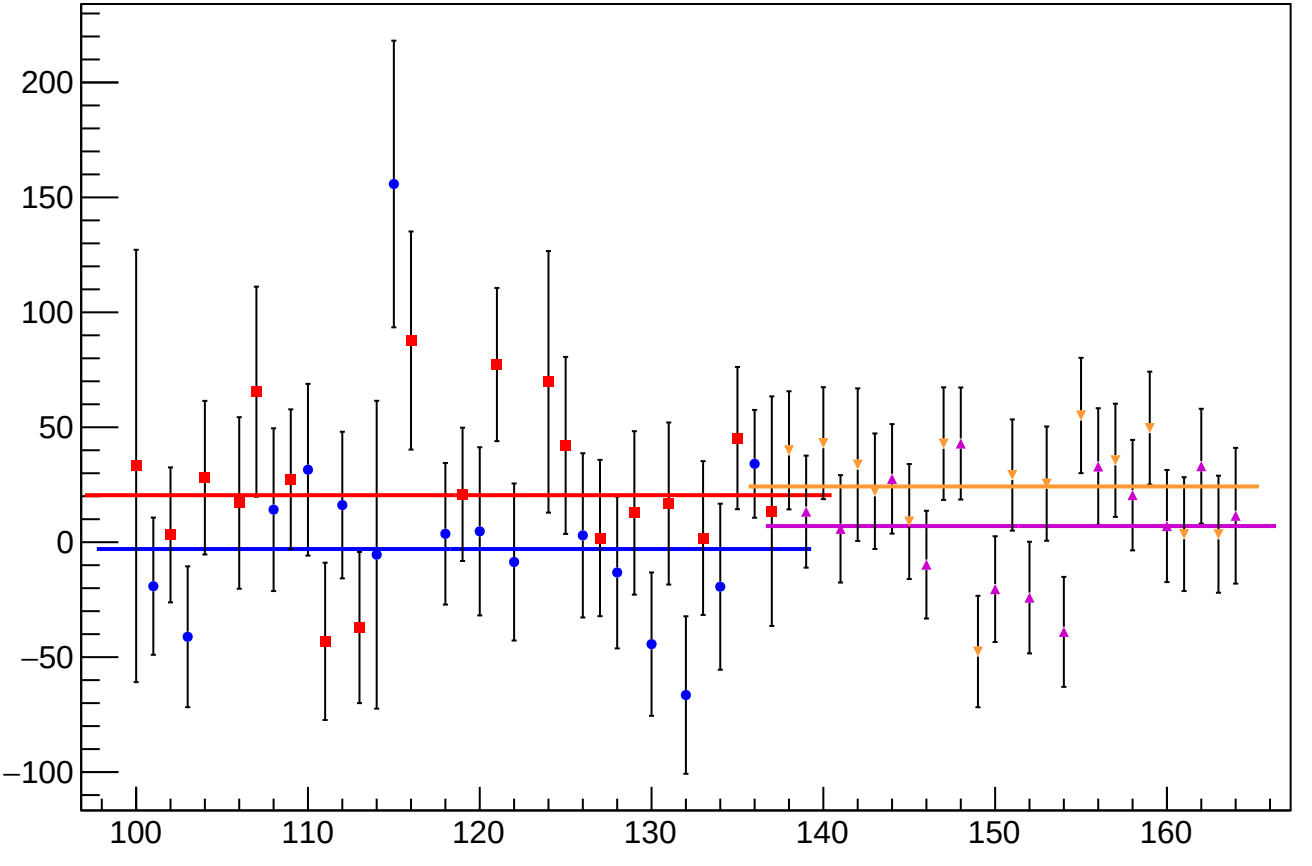
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 183.974+/-0.032 χ^2/NDF:2533621.2/28

Out: 198.743+/-0.035 χ^2/NDF:3101039.5/32

All: 190.878+/-0.024 χ^2/NDF: 5731443.2/61

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: 24.248+/-6.733 χ^2/NDF:15.0/13

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 7.022+/-6.767 χ^2/NDF:12.7/12

Left: 15.679+/-4.773 χ^2/NDF: 31.0/26

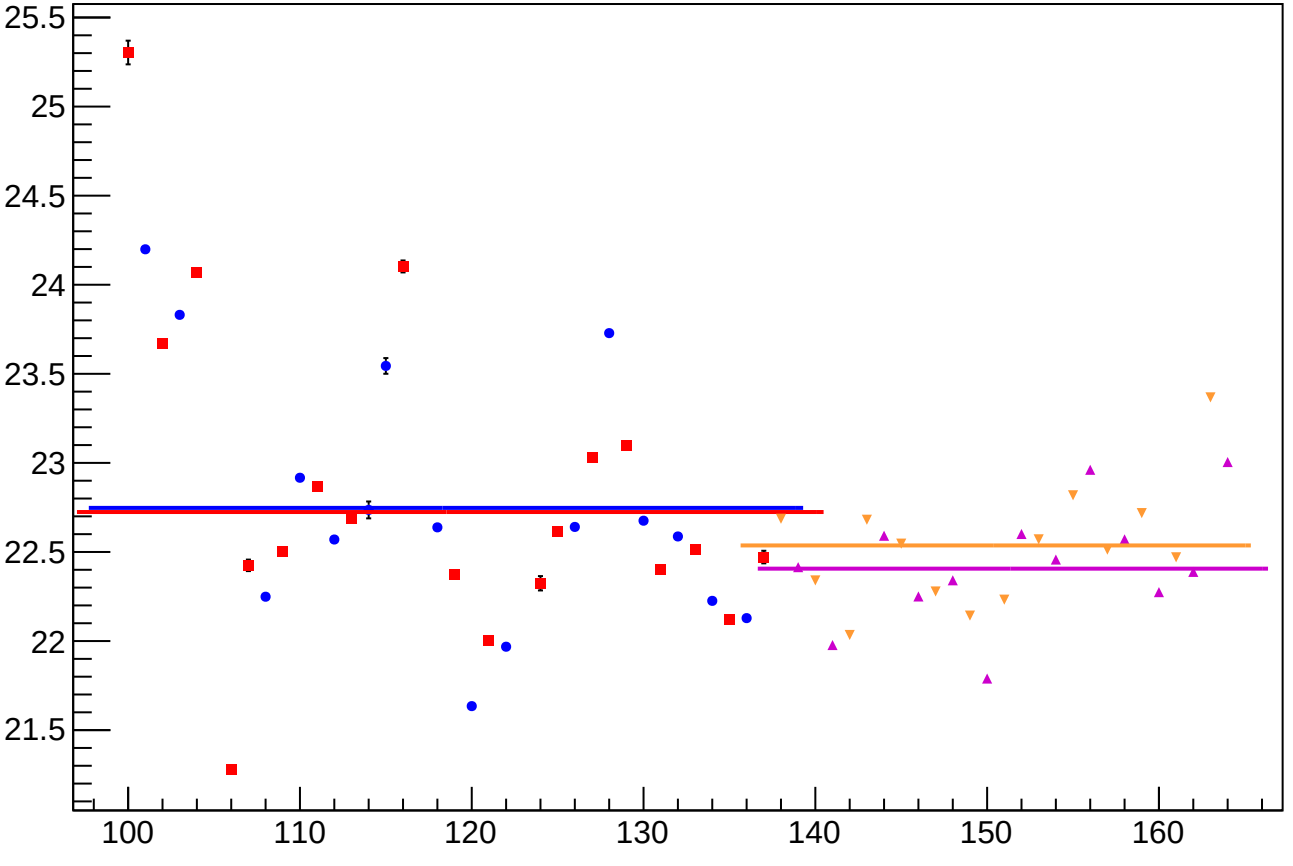
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 3.121+/-5.283 χ^2/NDF:31.5/28

Out: 22.742+/-5.227 χ^2/NDF:30.4/32

All: 13.036+/-3.716 χ^2/NDF: 68.9/61

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: 22.537+/-0.005 χ^2/NDF:4302.7/13

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.406+/-0.005 χ^2/NDF:4406.8/12

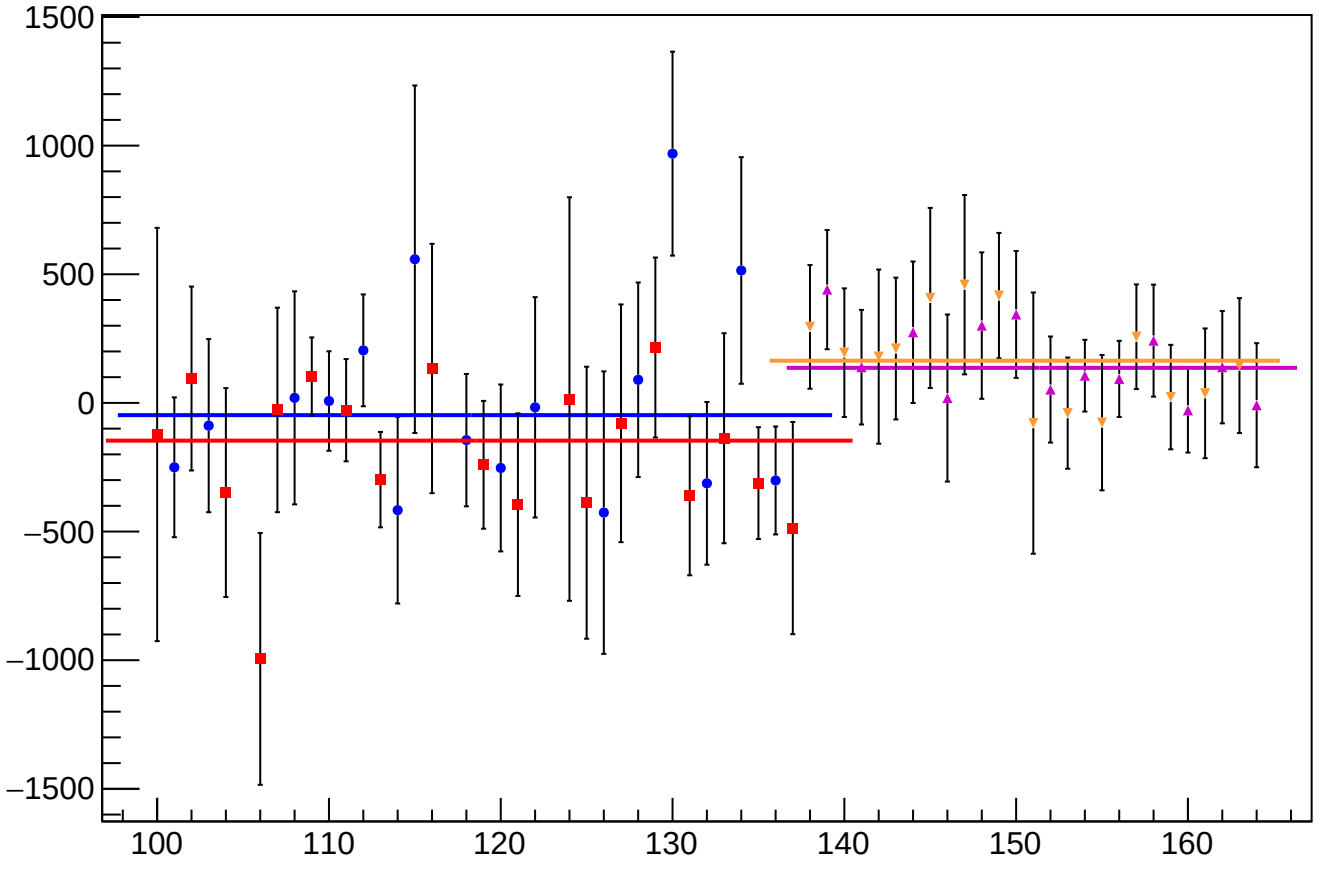
Left: 22.472+/-0.003 χ^2/NDF: 9082.4/26

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.540+/-0.004 χ^2/NDF:21014.0/28

Out: 22.611+/-0.004 χ^2/NDF:19409.8/32

All: 22.576+/-0.003 χ^2/NDF: 40609.7/61



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 164.027+/-69.514 χ^2/NDF:5.5/13

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 136.323+/-57.027 χ^2/NDF:5.1/12

Left: 147.468+/-44.090 χ^2/NDF: 10.7/26

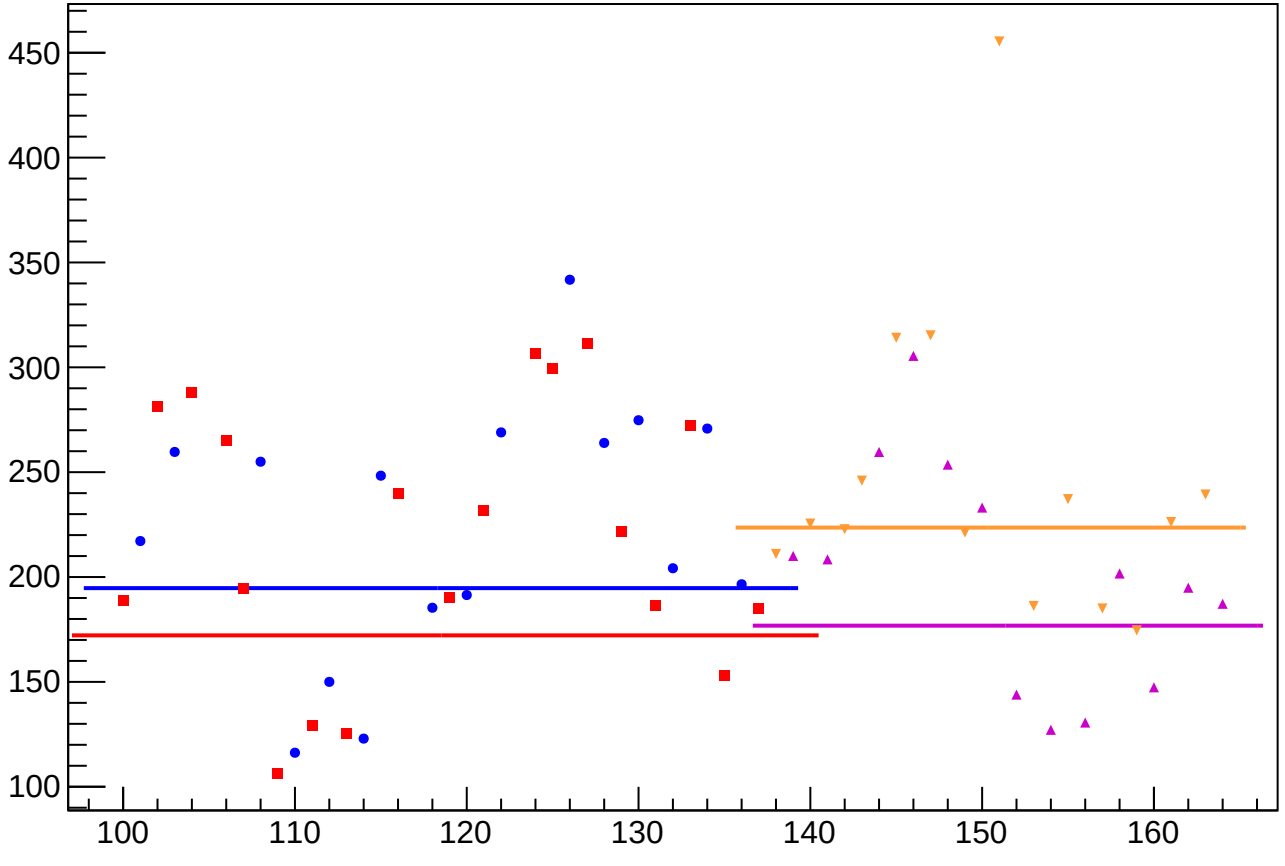
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 70.731+/-45.737 χ^2/NDF:24.2/28

Out: 6.213+/-48.755 χ^2/NDF:27.3/32

All: 40.530+/-33.357 χ^2/NDF: 52.4/61

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: 223.583+/-0.049 χ^2/NDF:968990.9/13

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 176.812+/-0.040 χ^2/NDF:1434578.4/12

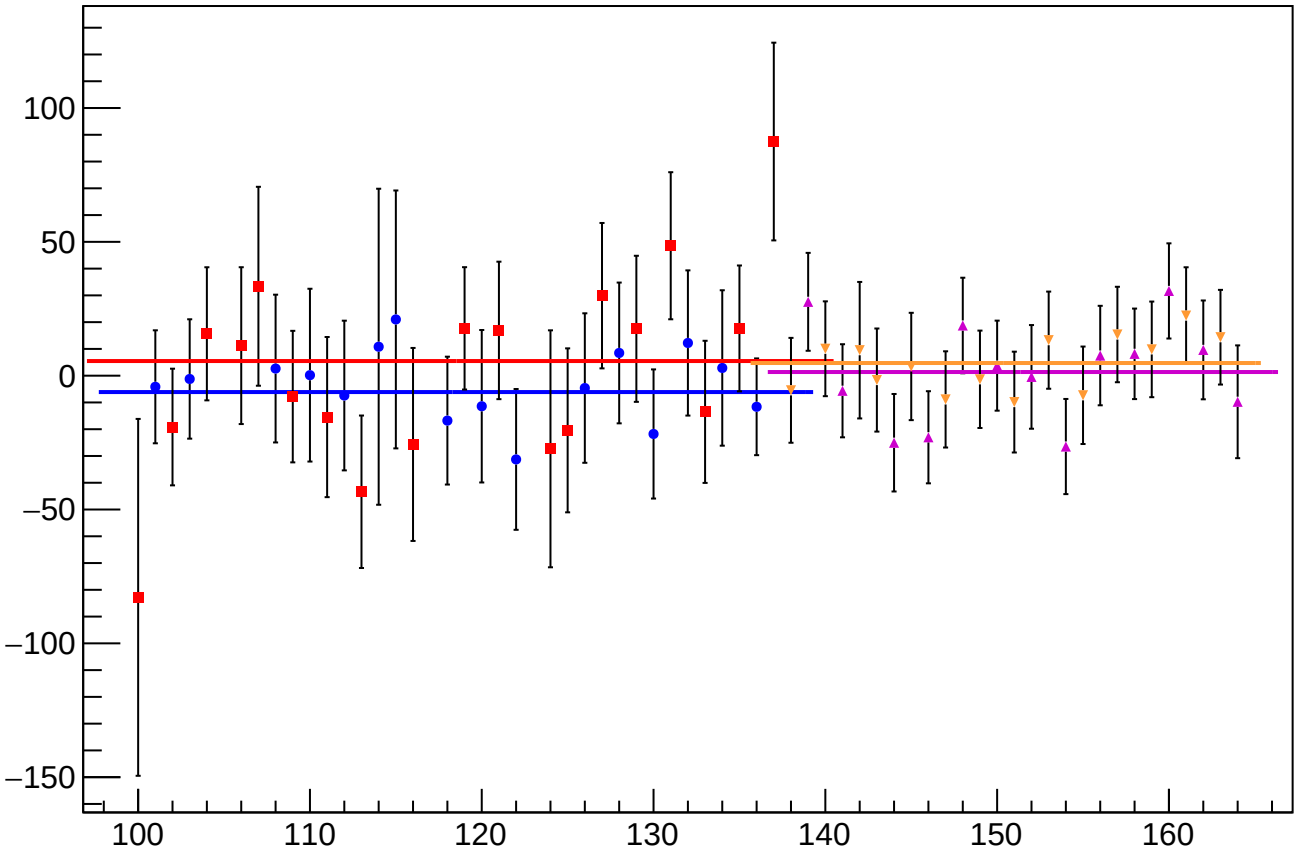
Left: 195.627+/-0.031 χ^2/NDF: 2944753.8/26

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 183.197+/-0.032 χ^2/NDF:2557139.8/28

Out: 197.469+/-0.034 χ^2/NDF:3195583.2/32

All: 189.877+/-0.024 χ^2/NDF: 5843881.1/61



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.731+/-4.997 χ^2/NDF:4.2/13

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 1.366+/-5.004 χ^2/NDF:13.4/12

Left: 3.051+/-3.536 χ^2/NDF: 17.8/26

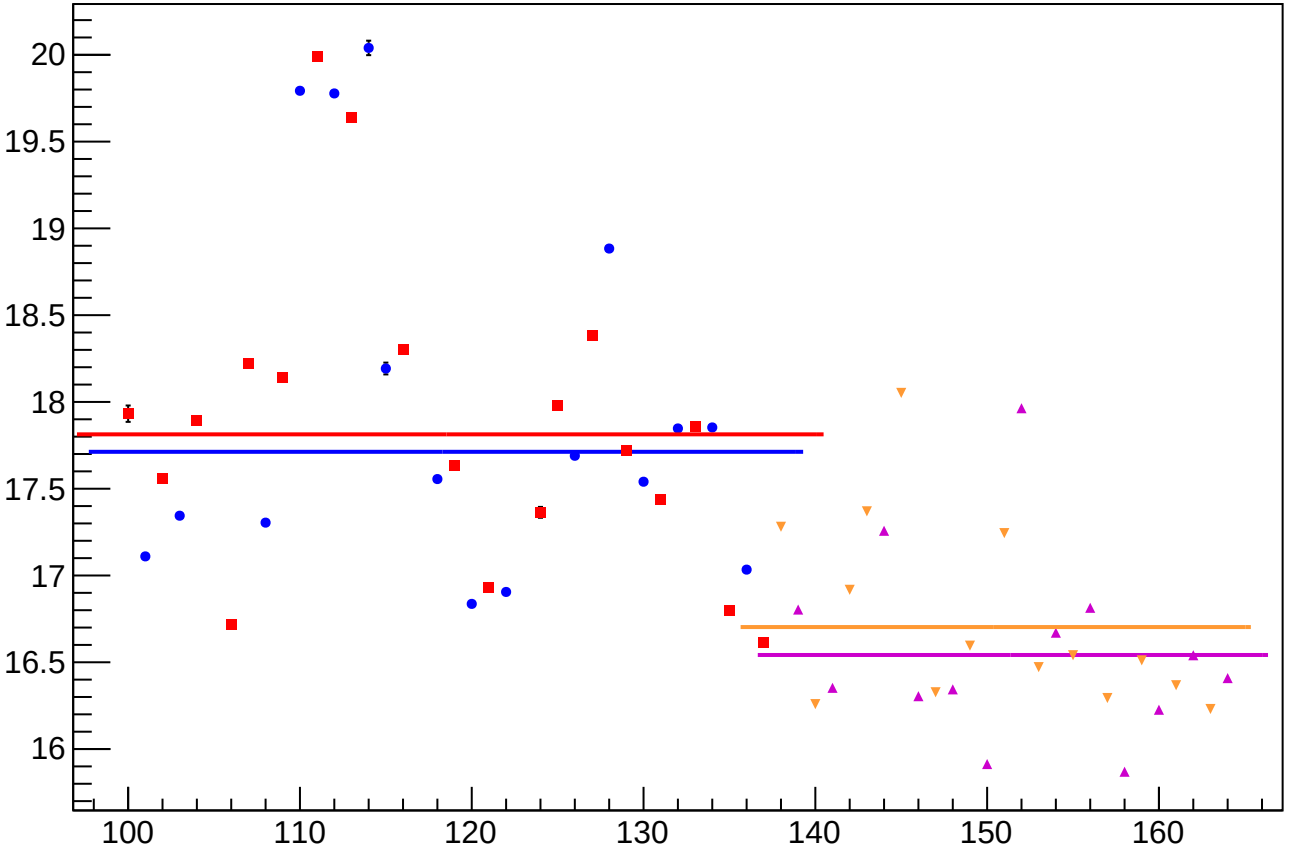
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -1.370+/-3.986 χ^2/NDF:17.4/28

Out: 5.005+/-3.964 χ^2/NDF:23.4/32

All: 1.835+/-2.811 χ^2/NDF: 42.0/61

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: 16.703+/-0.004 χ^2/NDF:21068.2/13

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.542+/-0.004 χ^2/NDF:22340.1/12

Left: 16.623+/-0.003 χ^2/NDF: 44443.1/26

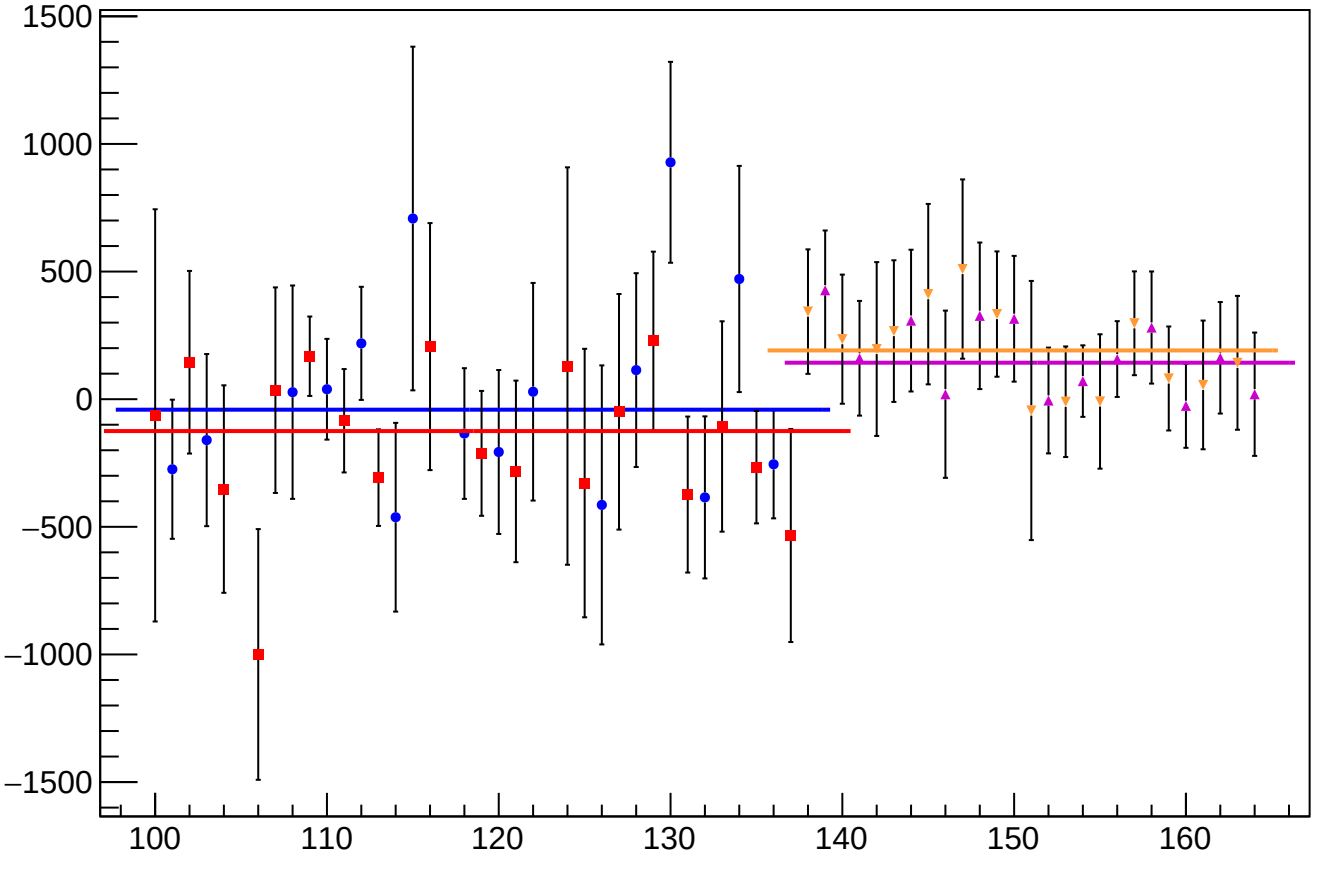
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 16.970+/-0.003 χ^2/NDF:98335.1/28

Out: 17.115+/-0.003 χ^2/NDF:90402.6/32

All: 17.043+/-0.002 χ^2/NDF: 190063.0/61

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: 191.039+/-69.855 χ^2/NDF:4.6/13

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 142.956+/-57.322 χ^2/NDF:5.4/12

Left: 162.305+/-44.313 χ^2/NDF: 10.2/26

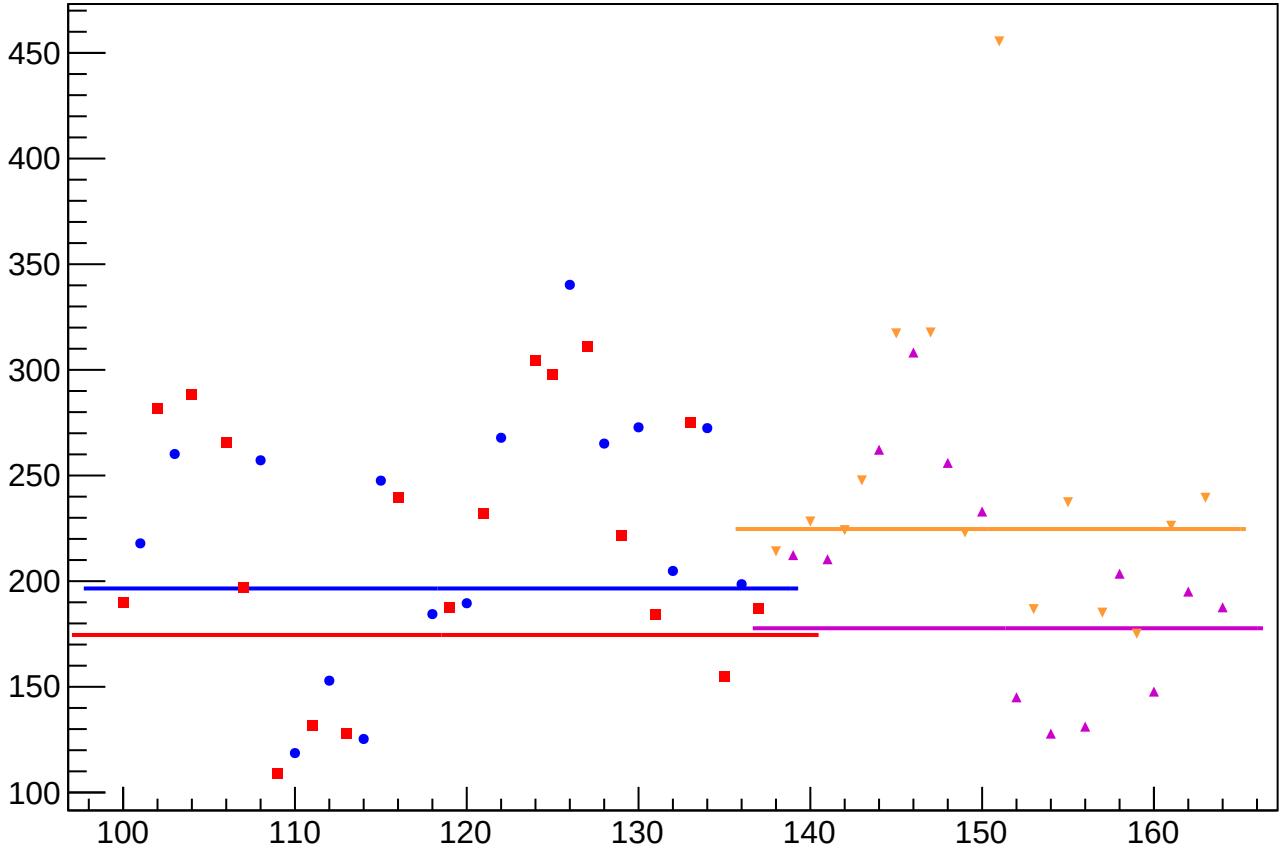
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 77.472+/-46.010 χ^2/NDF:24.7/28

Out: 31.386+/-49.129 χ^2/NDF:27.8/32

All: 55.938+/-33.582 χ^2/NDF: 52.9/61

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: 224.673+/-0.049 χ^2/NDF:975073.8/13

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 177.717+/-0.041 χ^2/NDF:1447392.0/12

Left: 196.612+/-0.031 χ^2/NDF: 2962517.1/26

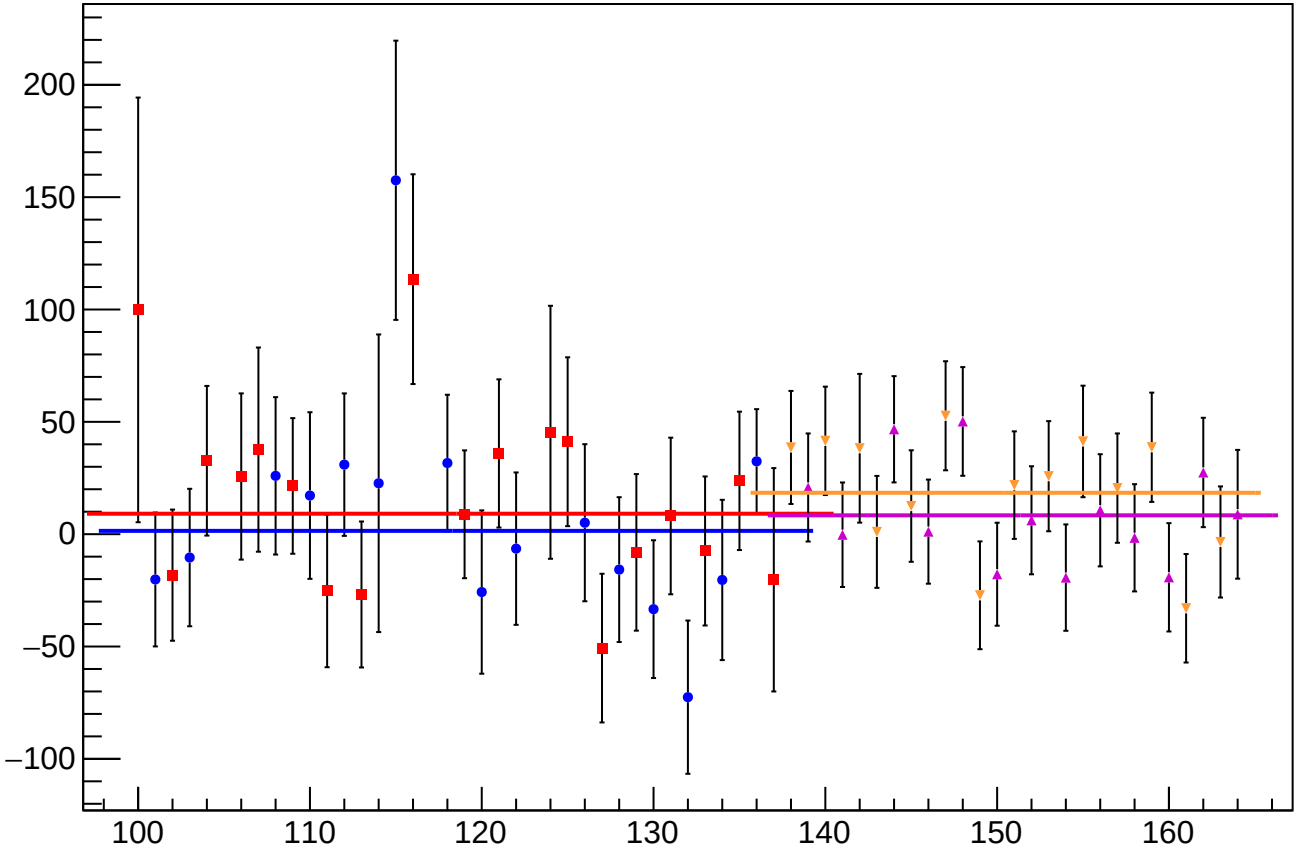
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 184.414+/-0.033 χ^2/NDF:2524903.1/28

Out: 199.337+/-0.035 χ^2/NDF:3084392.5/32

All: 191.387+/-0.024 χ^2/NDF: 5707607.3/61

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: 18.428+/-6.645 χ^2/NDF:15.1/13

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 8.392+/-6.690 χ^2/NDF:10.9/12

Left: 13.444+/-4.715 χ^2/NDF: 27.1/26

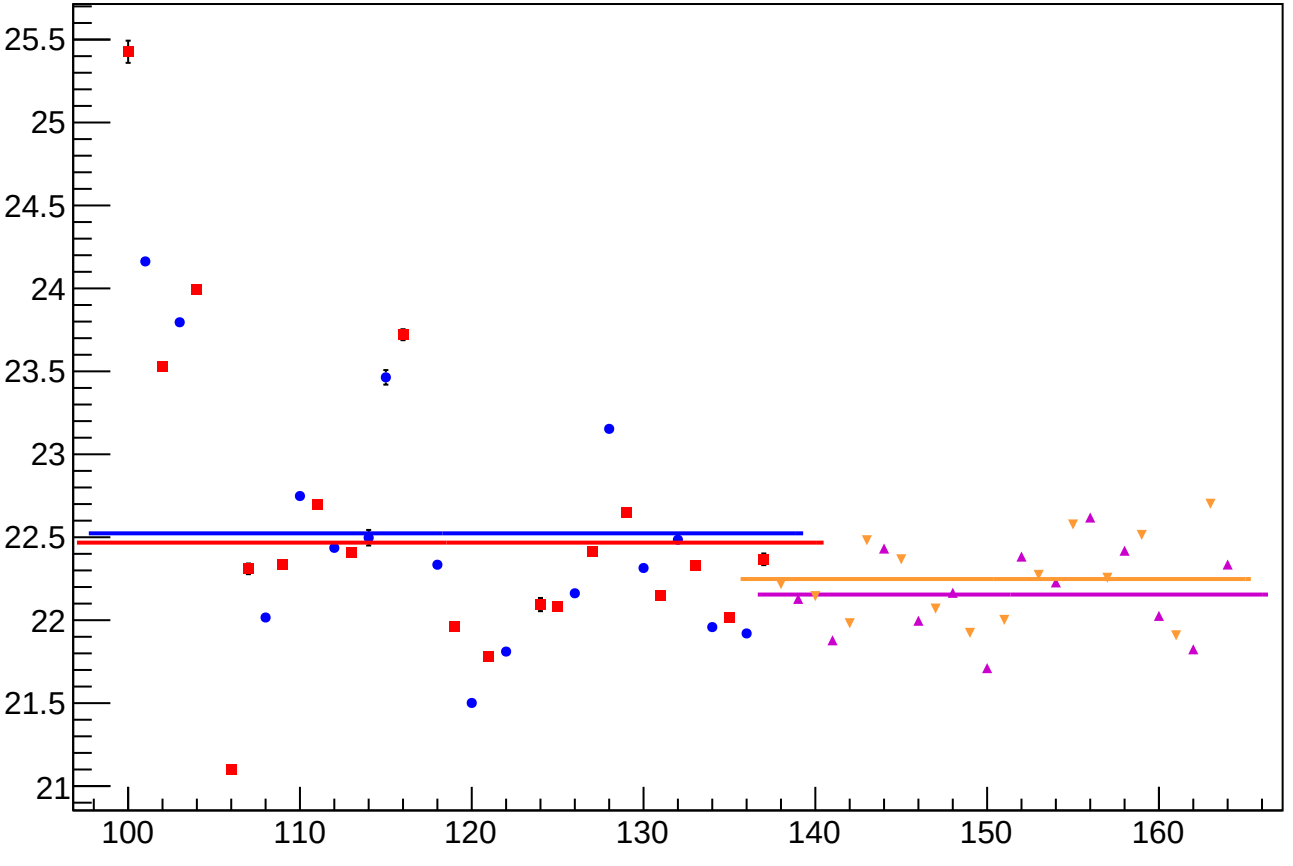
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 5.696+/-5.226 χ^2/NDF:30.0/28

Out: 14.735+/-5.162 χ^2/NDF:32.3/32

All: 10.271+/-3.673 χ^2/NDF: 63.8/61

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: 22.248+/-0.005 χ^2/NDF:2737.6/13

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.155+/-0.005 χ^2/NDF:3041.5/12

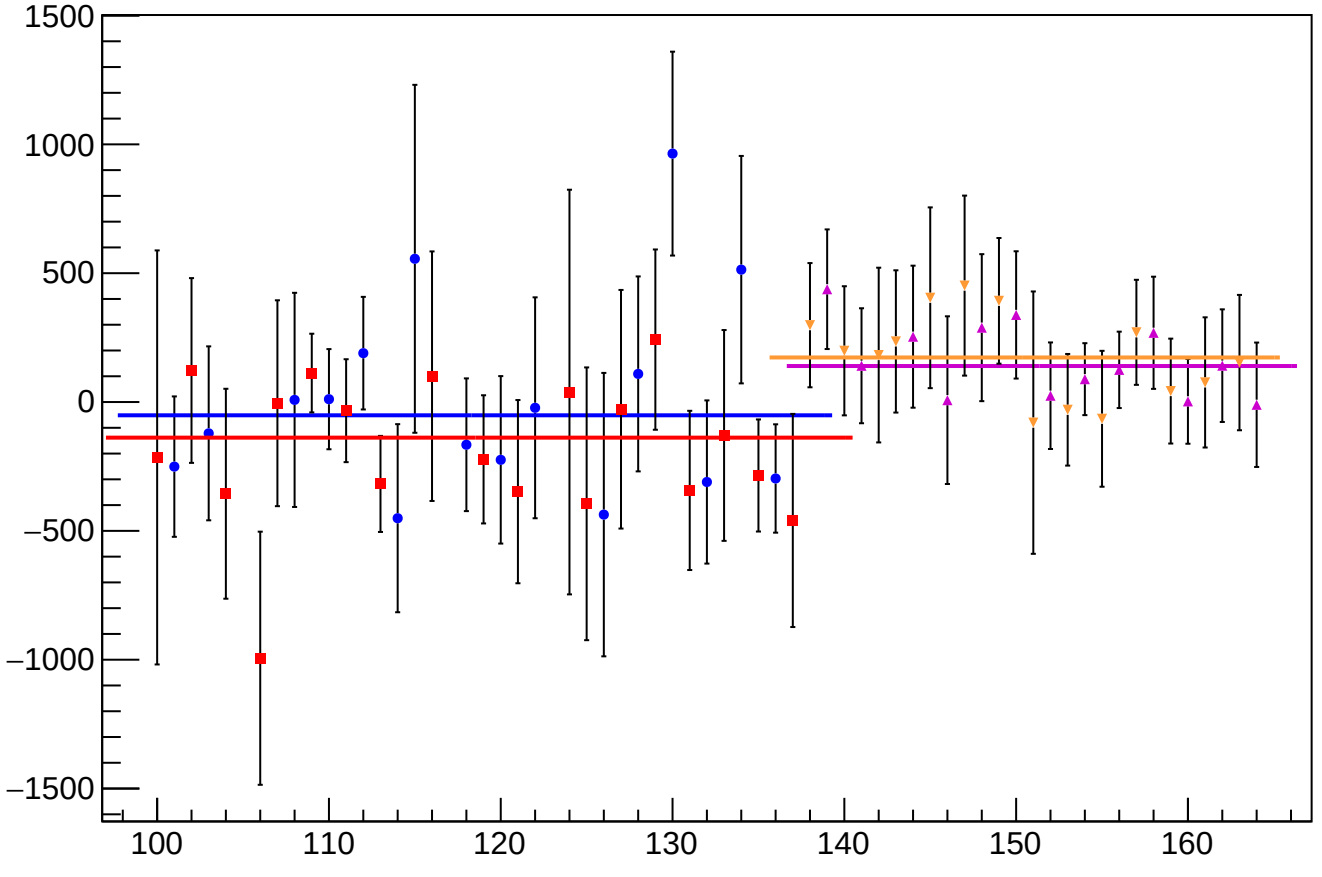
Left: 22.202+/-0.003 χ^2/NDF: 5975.8/26

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.298+/-0.004 χ^2/NDF:21360.8/28

Out: 22.335+/-0.004 χ^2/NDF:19229.2/32

All: 22.317+/-0.003 χ^2/NDF: 40640.0/61



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 172.947+/-69.669 χ^2/NDF:5.0/13

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 139.744+/-57.137 χ^2/NDF:4.8/12

Left: 153.096+/-44.180 χ^2/NDF: 9.9/26

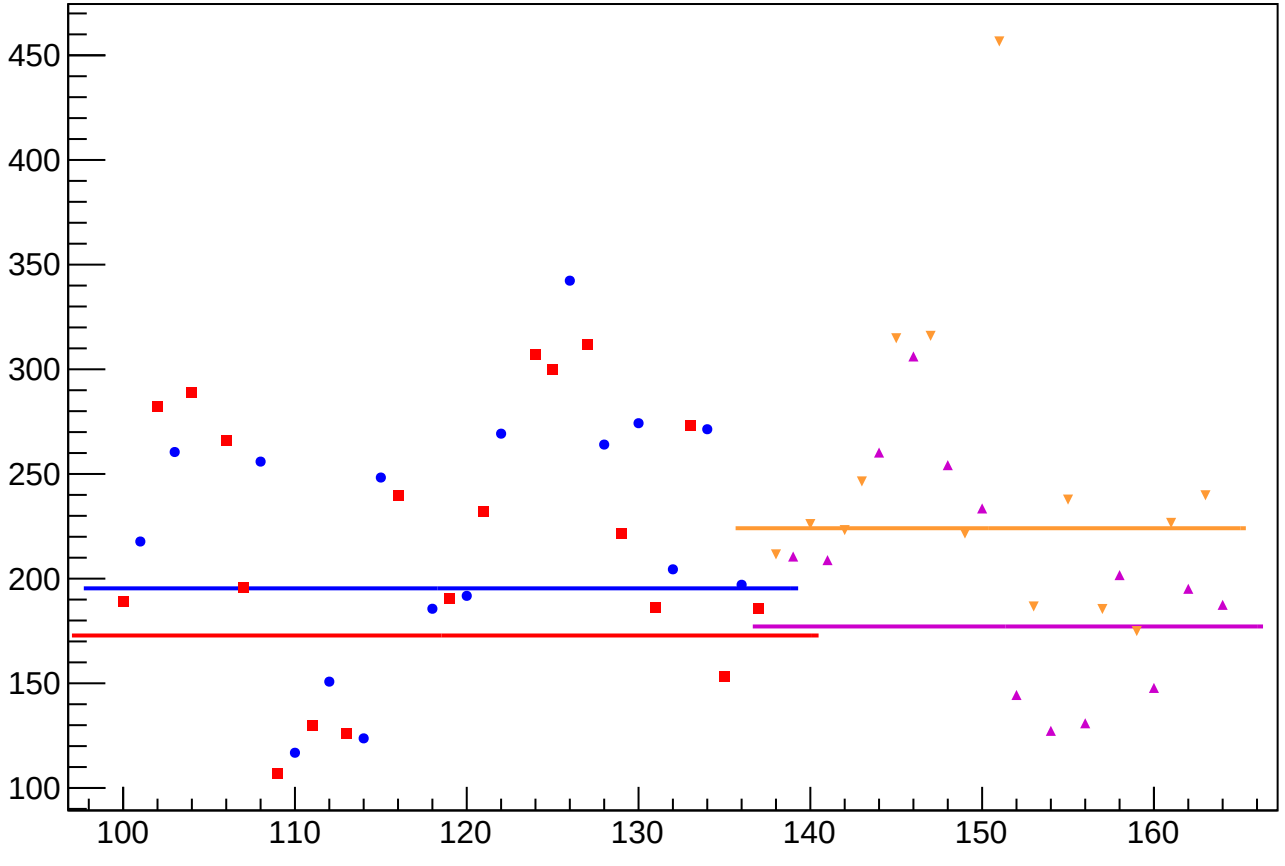
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 71.606+/-45.842 χ^2/NDF:24.1/28

Out: 15.032+/-48.890 χ^2/NDF:26.7/32

All: 45.138+/-33.441 χ^2/NDF: 51.5/61

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: 224.079+/-0.049 χ^2/NDF:969030.0/13

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 177.151+/-0.040 χ^2/NDF:1434158.5/12

Left: 196.022+/-0.031 χ^2/NDF: 2945715.6/26

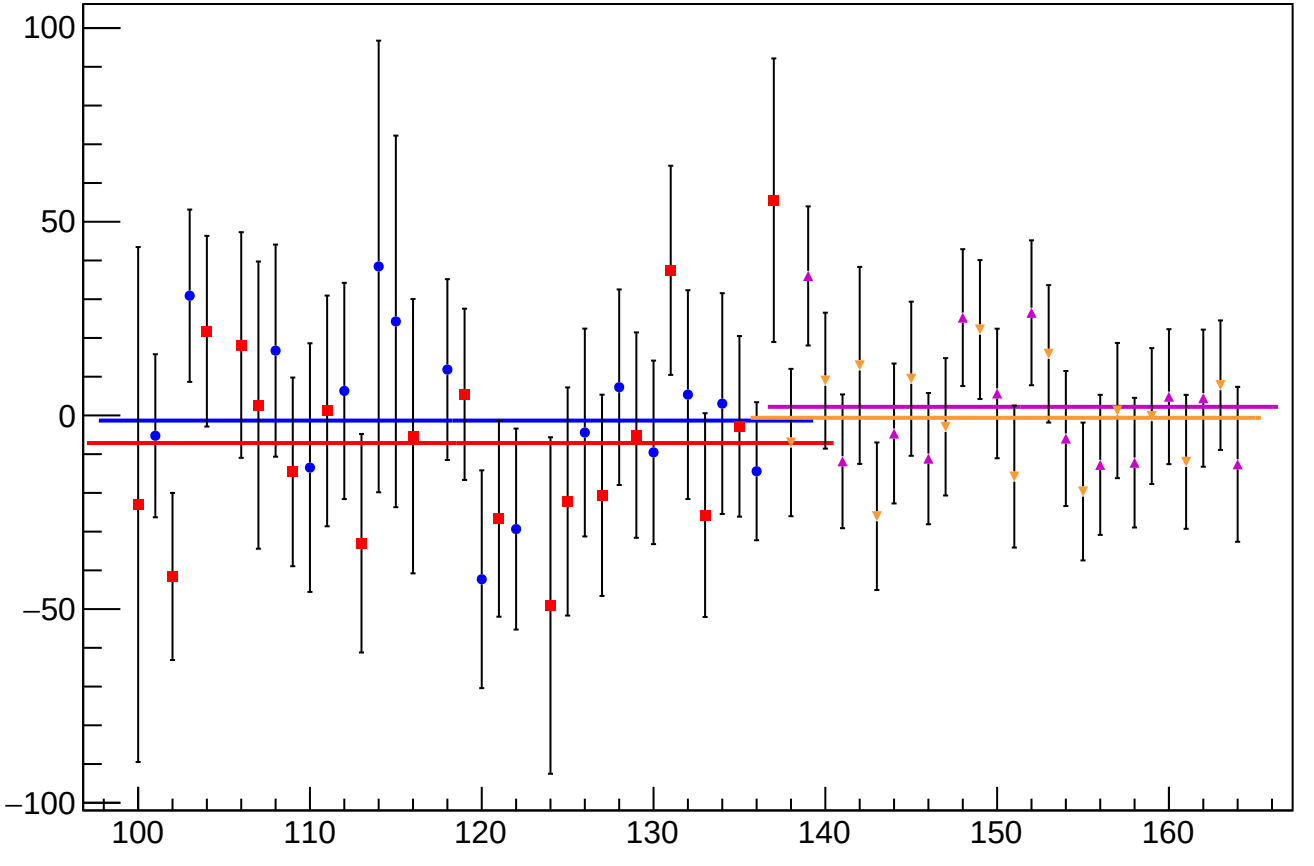
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 183.639+/-0.032 χ^2/NDF:2547971.5/28

Out: 198.071+/-0.035 χ^2/NDF:3177602.4/32

All: 190.391+/-0.024 χ^2/NDF: 5818311.6/61

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: -0.612+/-4.886 χ^2/NDF:7.8/13

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 2.216+/-4.906 χ^2/NDF:10.6/12

Left: 0.796+/-3.462 χ^2/NDF: 18.6/26

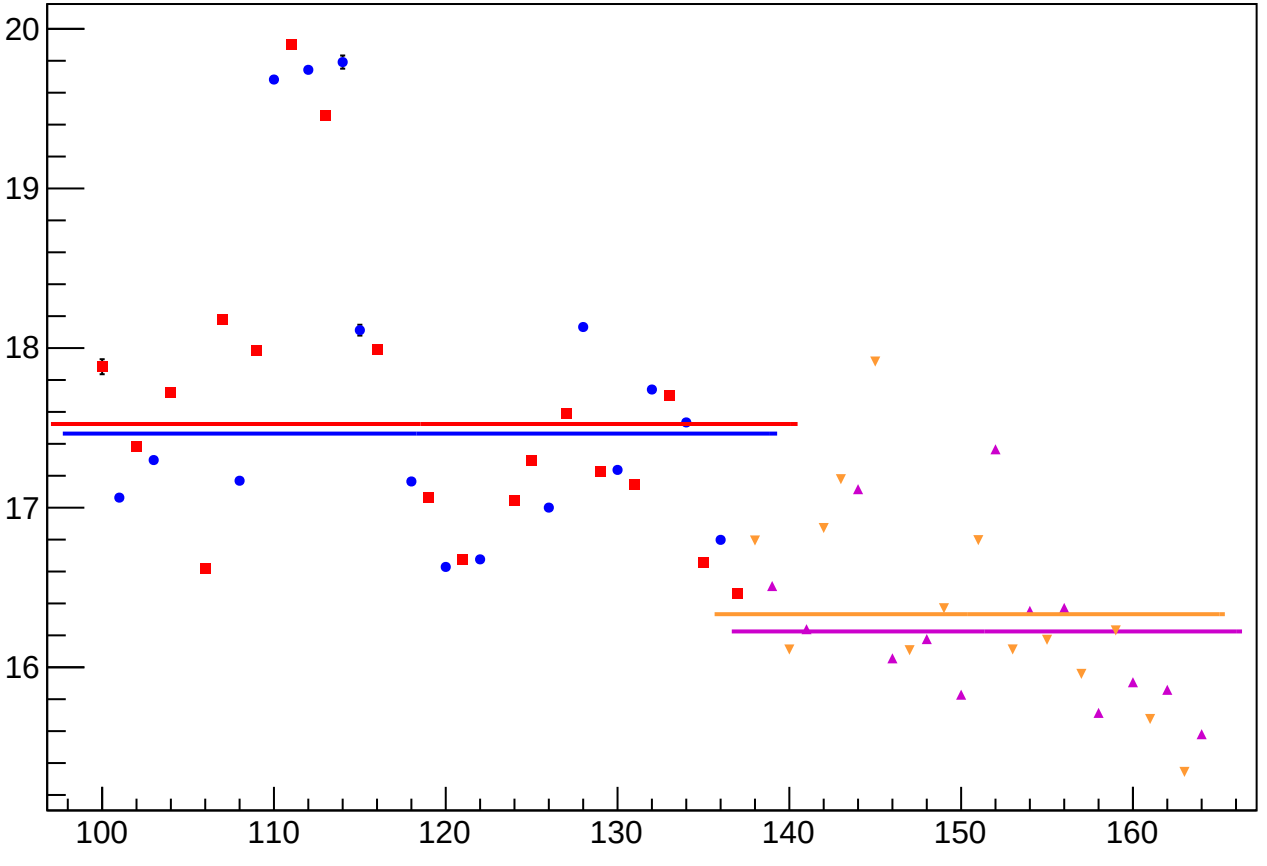
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 0.928+/-3.916 χ^2/NDF:18.8/28

Out: -3.009+/-3.884 χ^2/NDF:22.8/32

All: -1.056+/-2.757 χ^2/NDF: 42.2/61

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: 16.333+/-0.003 χ^2/NDF:31945.5/13

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.225+/-0.003 χ^2/NDF:19849.2/12

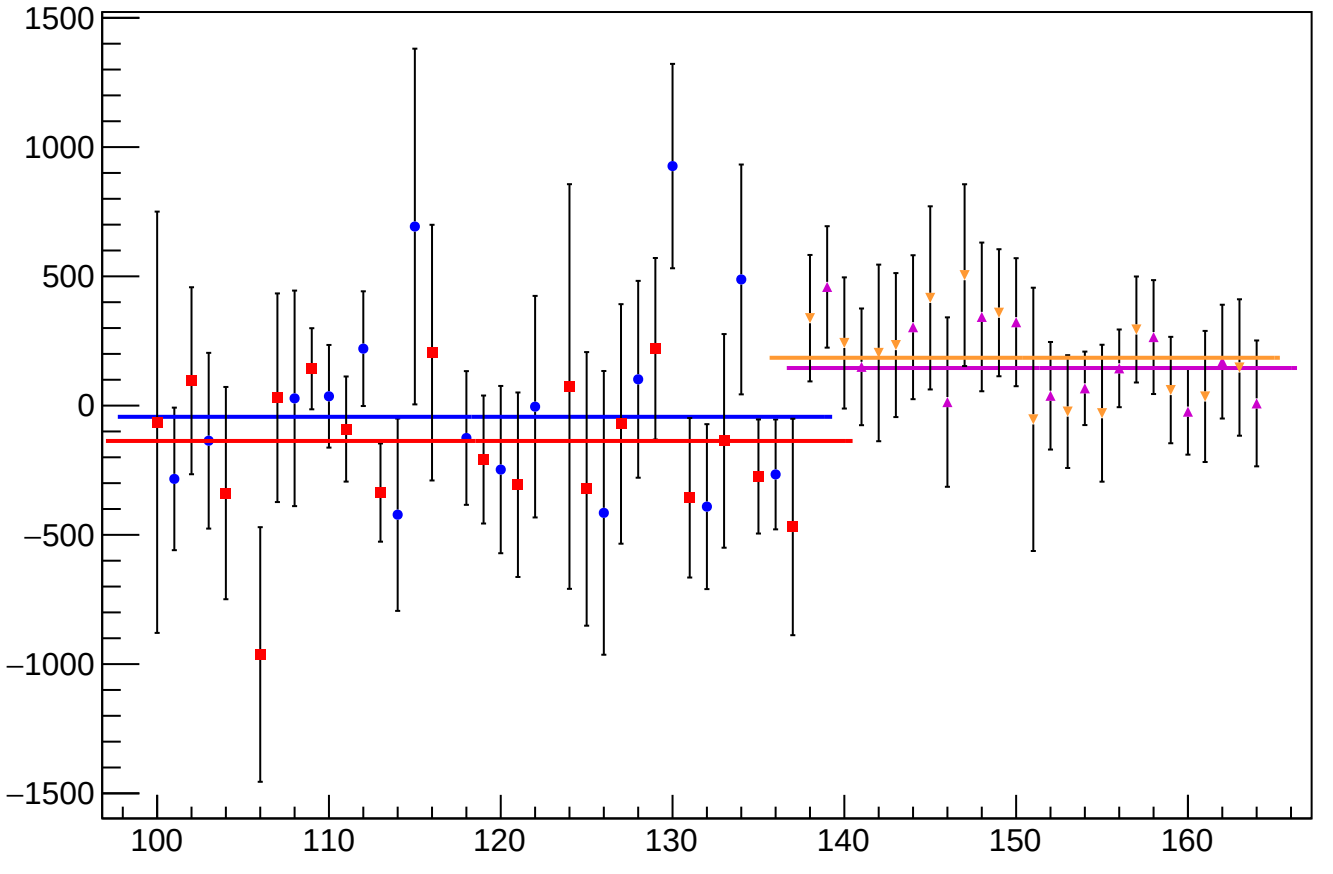
Left: 16.279+/-0.002 χ^2/NDF: 52282.5/26

Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.675+/-0.003 χ^2/NDF:102853.7/28

Out: 16.771+/-0.003 χ^2/NDF:110460.4/32

All: 16.723+/-0.002 χ^2/NDF: 213929.1/61



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 185.010+/-70.229 χ^2/NDF:5.0/13

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 145.392+/-57.781 χ^2/NDF:5.5/12

Left: 161.385+/-44.620 χ^2/NDF: 10.7/26

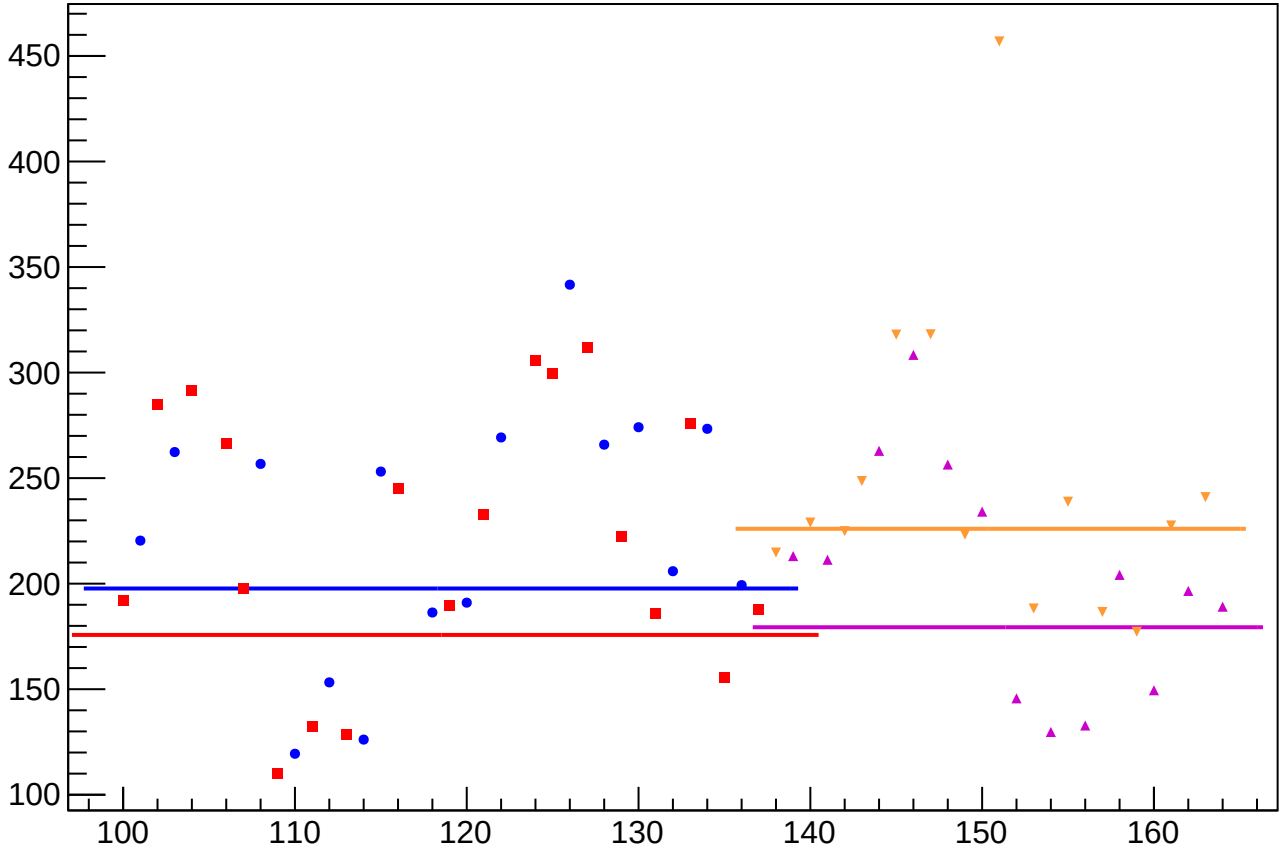
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 78.043+/-46.341 χ^2/NDF:24.7/28

Out: 22.570+/-49.420 χ^2/NDF:27.2/32

All: 52.088+/-33.804 χ^2/NDF: 52.6/61

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: 226.004+/-0.050 χ^2/NDF:958606.3/13

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 179.352+/-0.041 χ^2/NDF:1406319.4/12

Left: 198.184+/-0.032 χ^2/NDF: 2891238.1/26

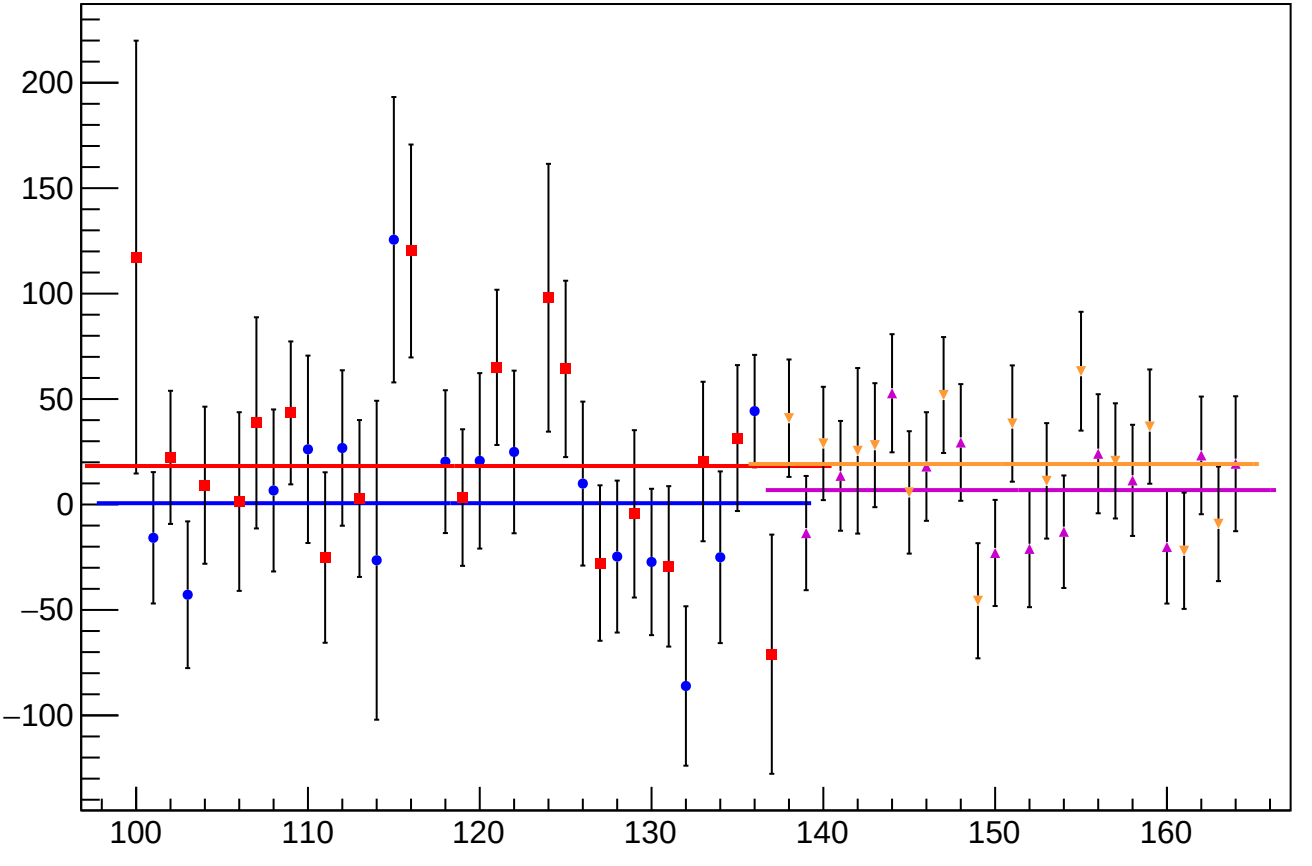
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 185.900+/-0.033 χ^2/NDF:2478653.6/28

Out: 200.618+/-0.035 χ^2/NDF:3066856.0/32

All: 192.787+/-0.024 χ^2/NDF: 5639899.5/61

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 19.191+/-7.534 χ^2/NDF:14.9/13

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 6.830+/-7.545 χ^2/NDF:9.1/12

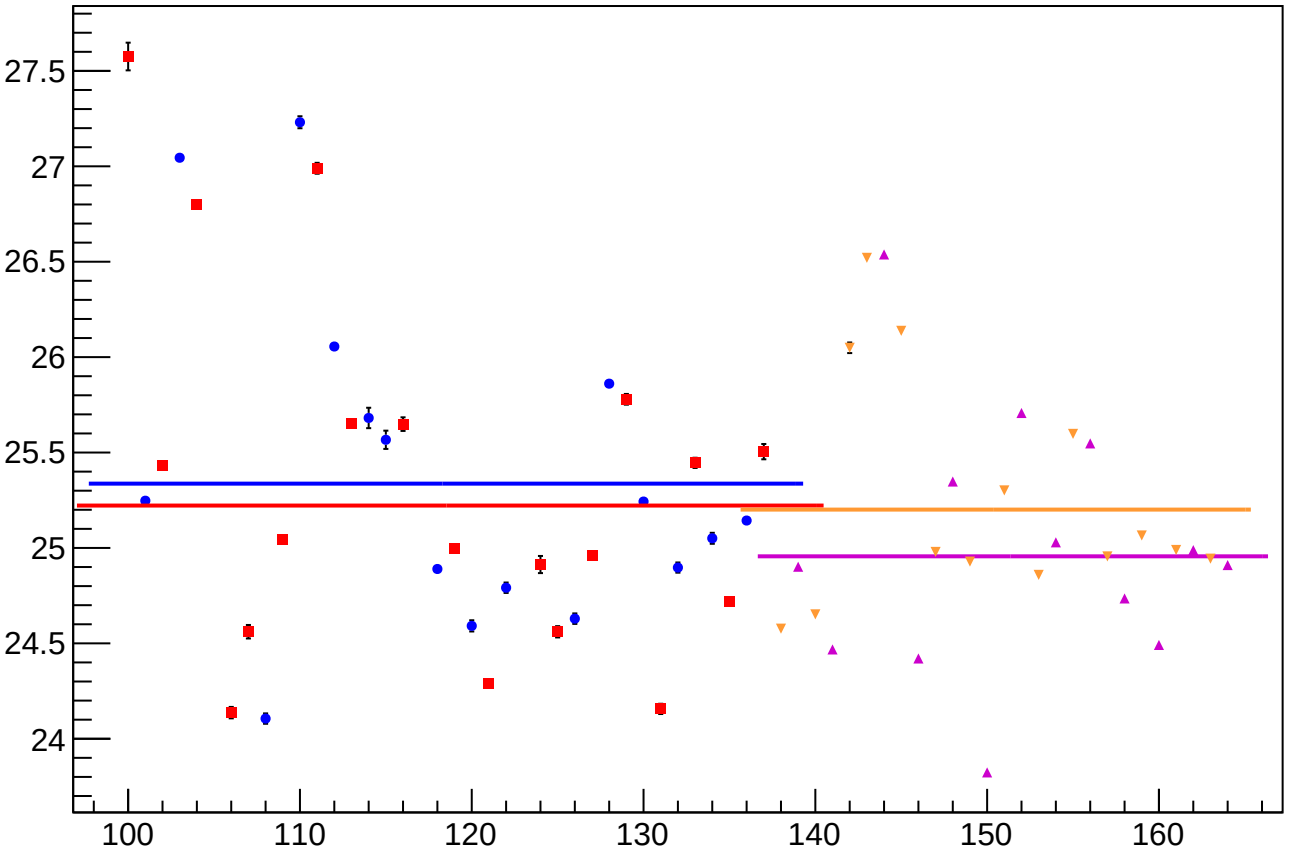
Left: 13.019+/-5.331 χ^2/NDF: 25.3/26

Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 4.403+/-5.889 χ^2/NDF:26.1/28

Out: 18.813+/-5.831 χ^2/NDF:32.9/32

All: 11.680+/-4.144 χ^2/NDF: 62.0/61



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.201+/-0.005 χ^2/NDF:10459.5/13

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.956+/-0.005 χ^2/NDF:15522.5/12

Left: 25.079+/-0.004 χ^2/NDF: 27036.7/26

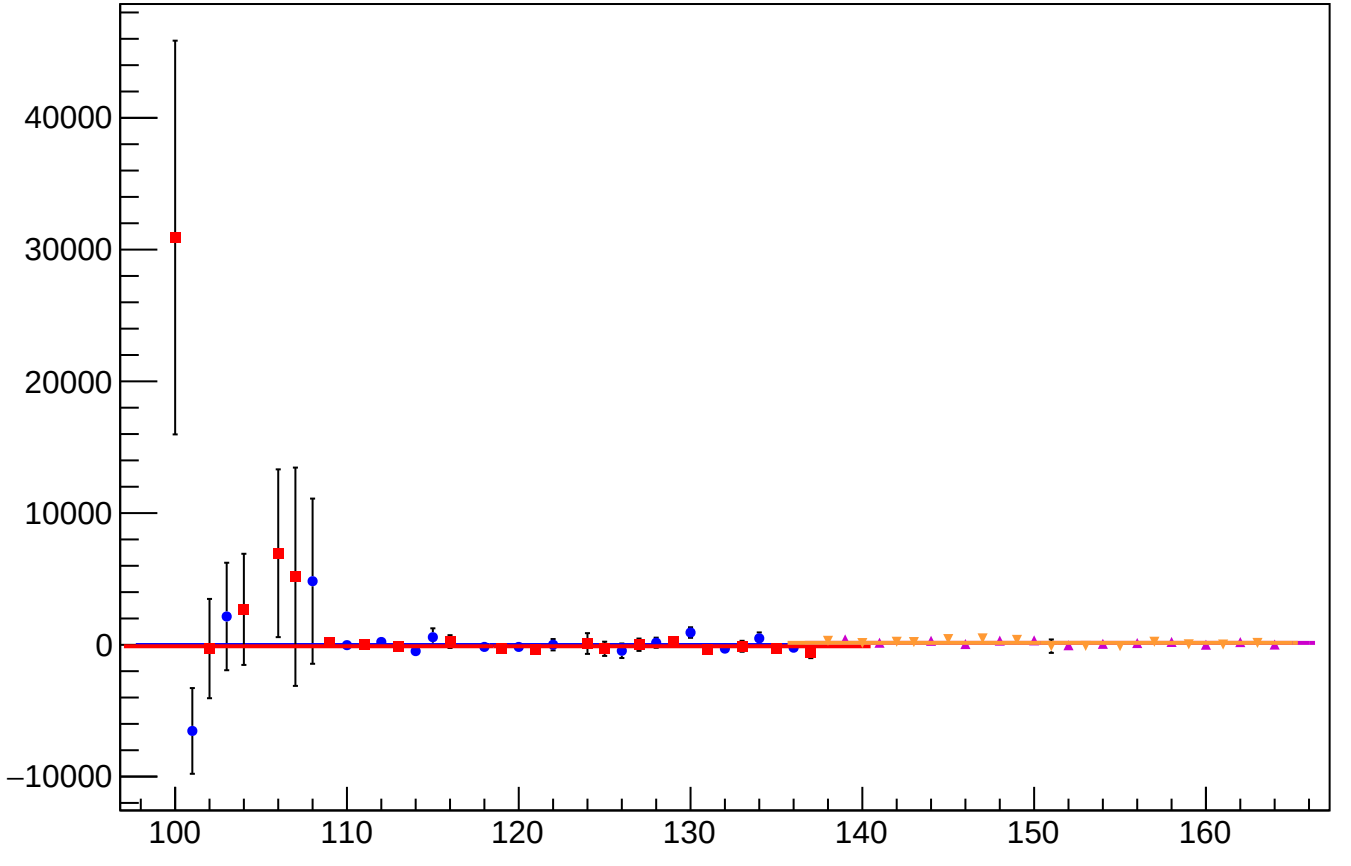
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.105+/-0.004 χ^2/NDF:31829.2/28

Out: 25.209+/-0.004 χ^2/NDF:25690.3/32

All: 25.158+/-0.003 χ^2/NDF: 57837.6/61

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: 151.451+/-71.388 χ^2/NDF:5.6/13

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 146.993+/-58.710 χ^2/NDF:4.6/12

Left: 148.792+/-45.345 χ^2/NDF: 10.2/26

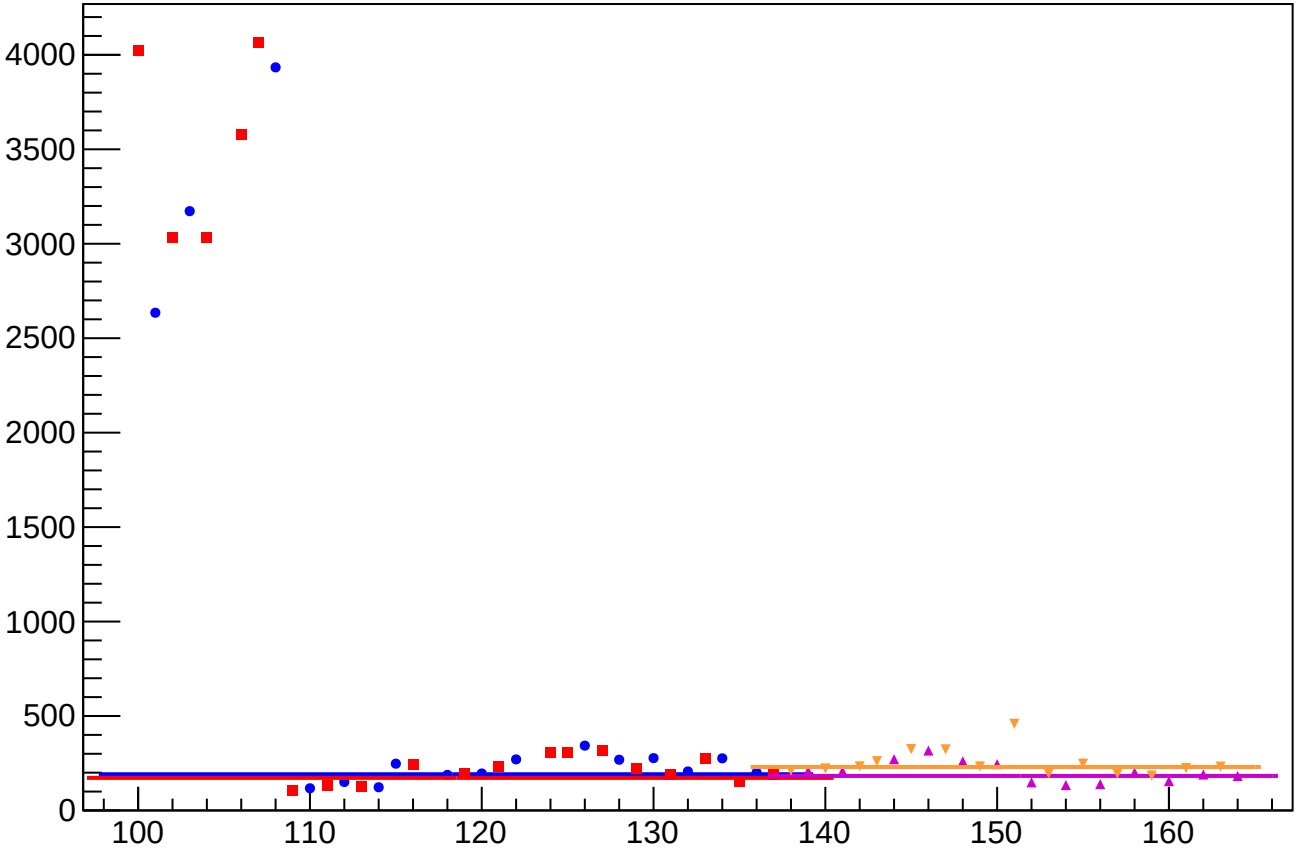
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 94.275+/-48.252 χ^2/NDF:25.4/28

Out: 32.973+/-52.692 χ^2/NDF:25.7/32

All: 66.315+/-35.586 χ^2/NDF: 51.9/61

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: 230.108+/-0.050 χ^2/NDF:919063.5/13

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 182.806+/-0.042 χ^2/NDF:1298297.4/12

Left: 201.890+/-0.032 χ^2/NDF: 2741166.8/26

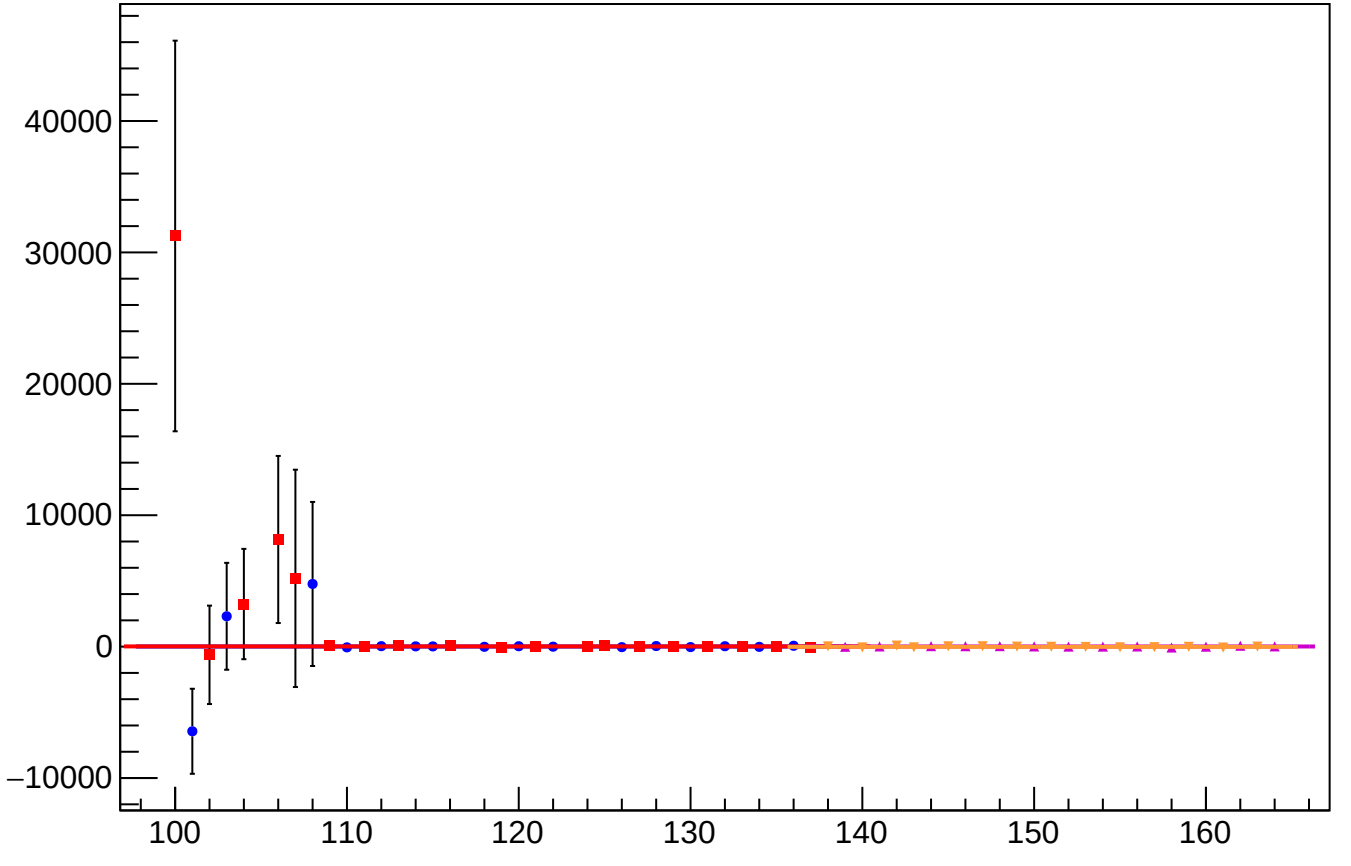
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 185.704+/-0.034 χ^2/NDF:5135117.8/28

Out: 203.868+/-0.037 χ^2/NDF:5815812.8/32

All: 193.988+/-0.025 χ^2/NDF: 11080192.3/61

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -15.766+/-8.752 χ^2/NDF:17.6/13

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 12.323+/-8.792 χ^2/NDF:13.9/12

Left: -1.786+/-6.203 χ^2/NDF: 36.6/26

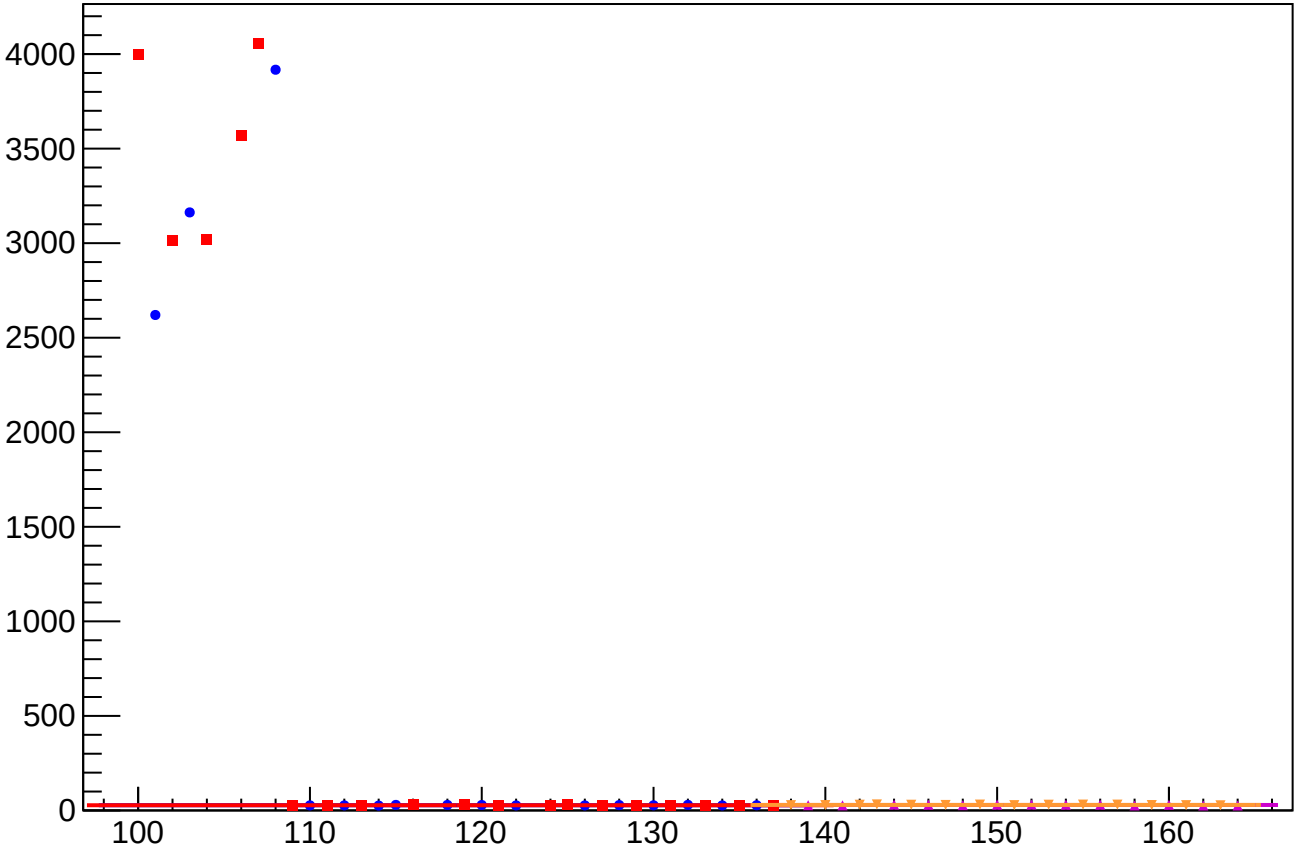
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 11.330+/-7.026 χ^2/NDF:29.9/28

Out: -3.752+/-7.031 χ^2/NDF:47.7/32

All: 3.794+/-4.970 χ^2/NDF: 79.9/61

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: 29.212+/-0.006 χ^2/NDF:51626.0/13

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.994+/-0.006 χ^2/NDF:96848.9/12

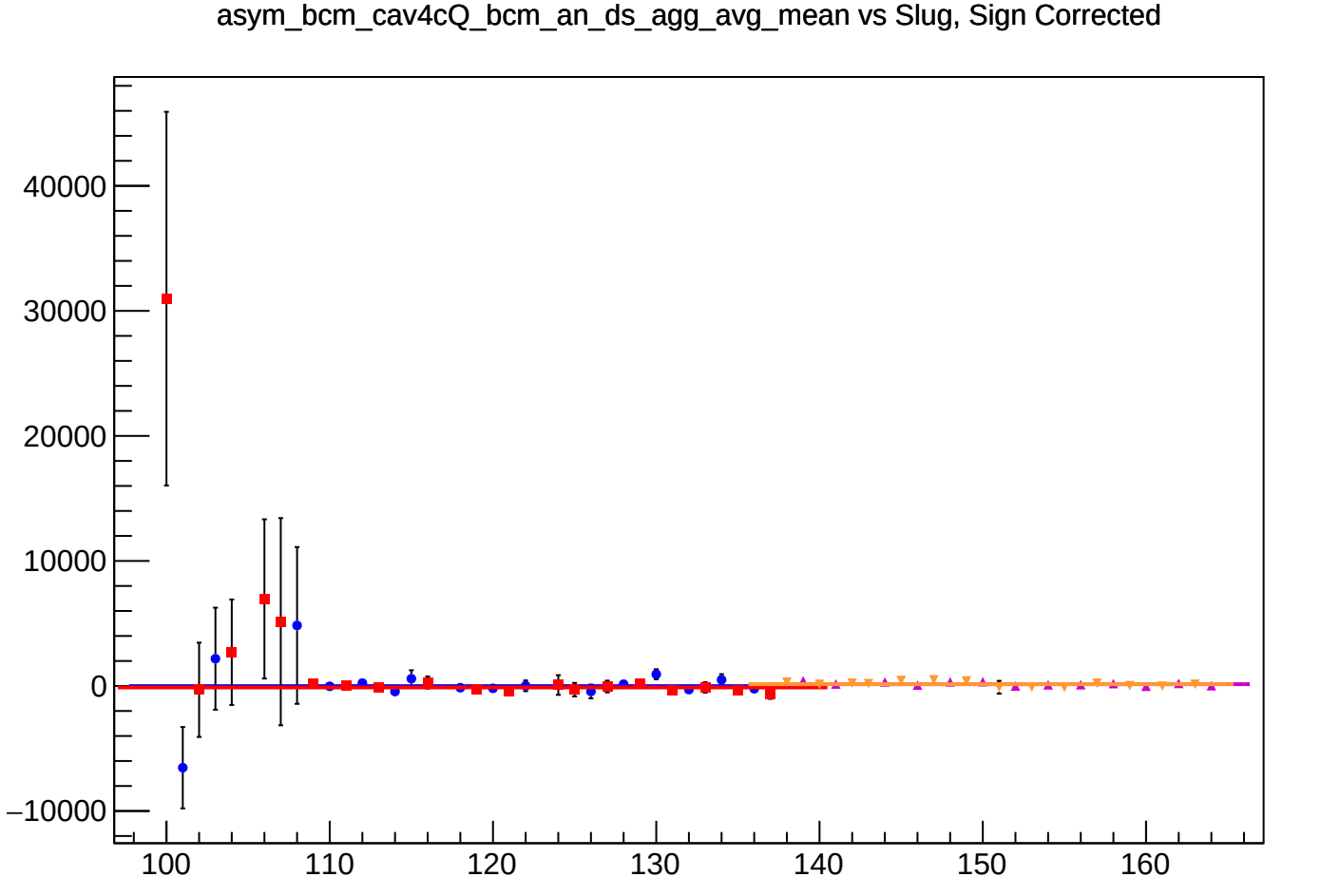
Left: 29.103+/-0.004 χ^2/NDF: 149093.7/26

Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

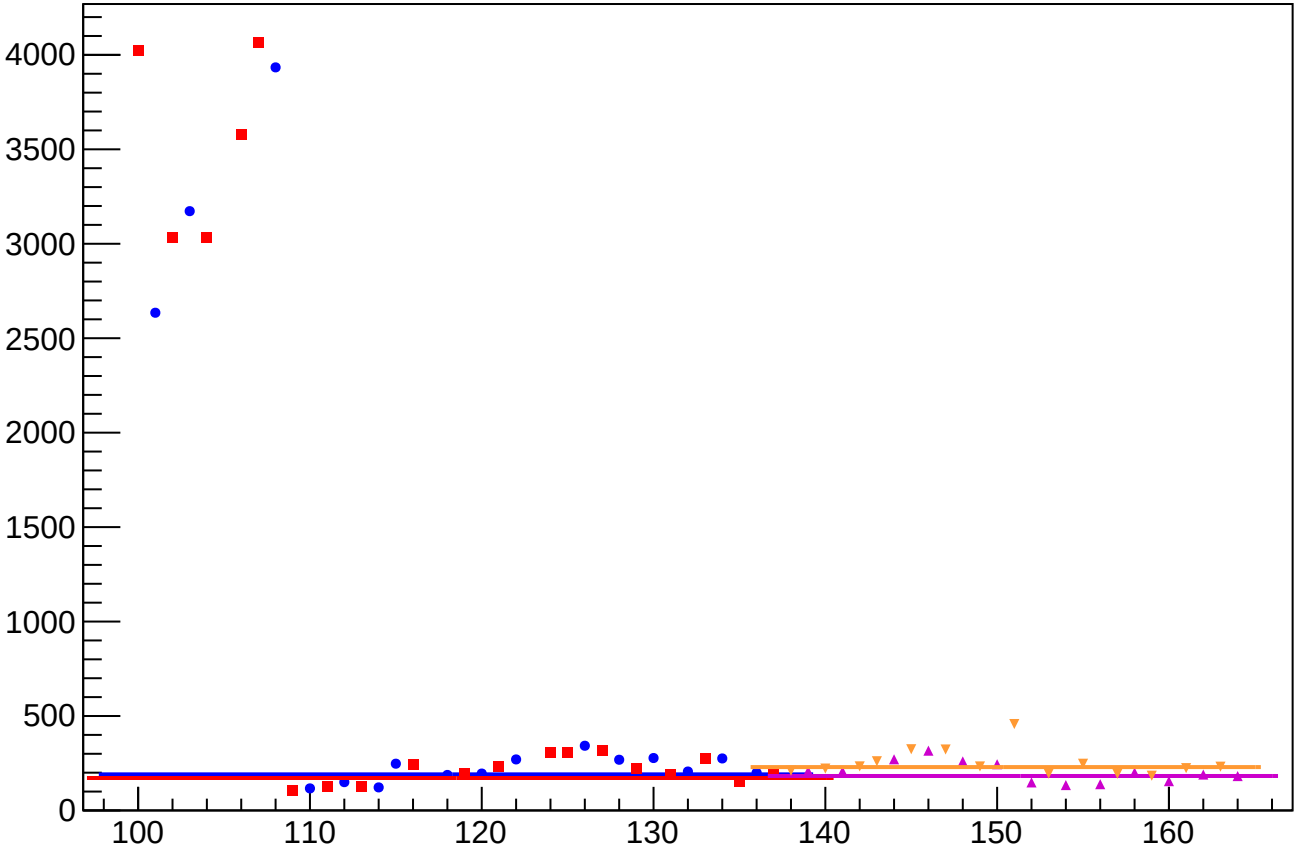
In: 28.505+/-0.005 χ^2/NDF:3379449.0/28

Out: 28.617+/-0.005 χ^2/NDF:3632914.4/32

All: 28.561+/-0.004 χ^2/NDF: 7012617.7/61


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -13.160+/-84.454 χ²/NDF: 18.3/15
Left Out: 142.219+/-71.234 χ²/NDF:6.2/13
Right Out: -118.063+/-77.862 χ²/NDF: 14.4/18
Left In: 143.882+/-58.602 χ²/NDF:4.8/12
Left: 143.211+/-45.256 χ²/NDF: 11.1/26
Right: -69.865+/-57.246 χ²/NDF: 33.6/34
In: 92.843+/-48.146 χ²/NDF:25.5/28
Out: 23.626+/-52.558 χ²/NDF:26.8/32
All: 61.261+/-35.502 χ²/NDF: 53.2/61

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: 229.614+/-0.050 χ^2/NDF:918990.2/13

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 182.472+/-0.041 χ^2/NDF:1298321.0/12

Left: 201.500+/-0.032 χ^2/NDF: 2739696.6/26

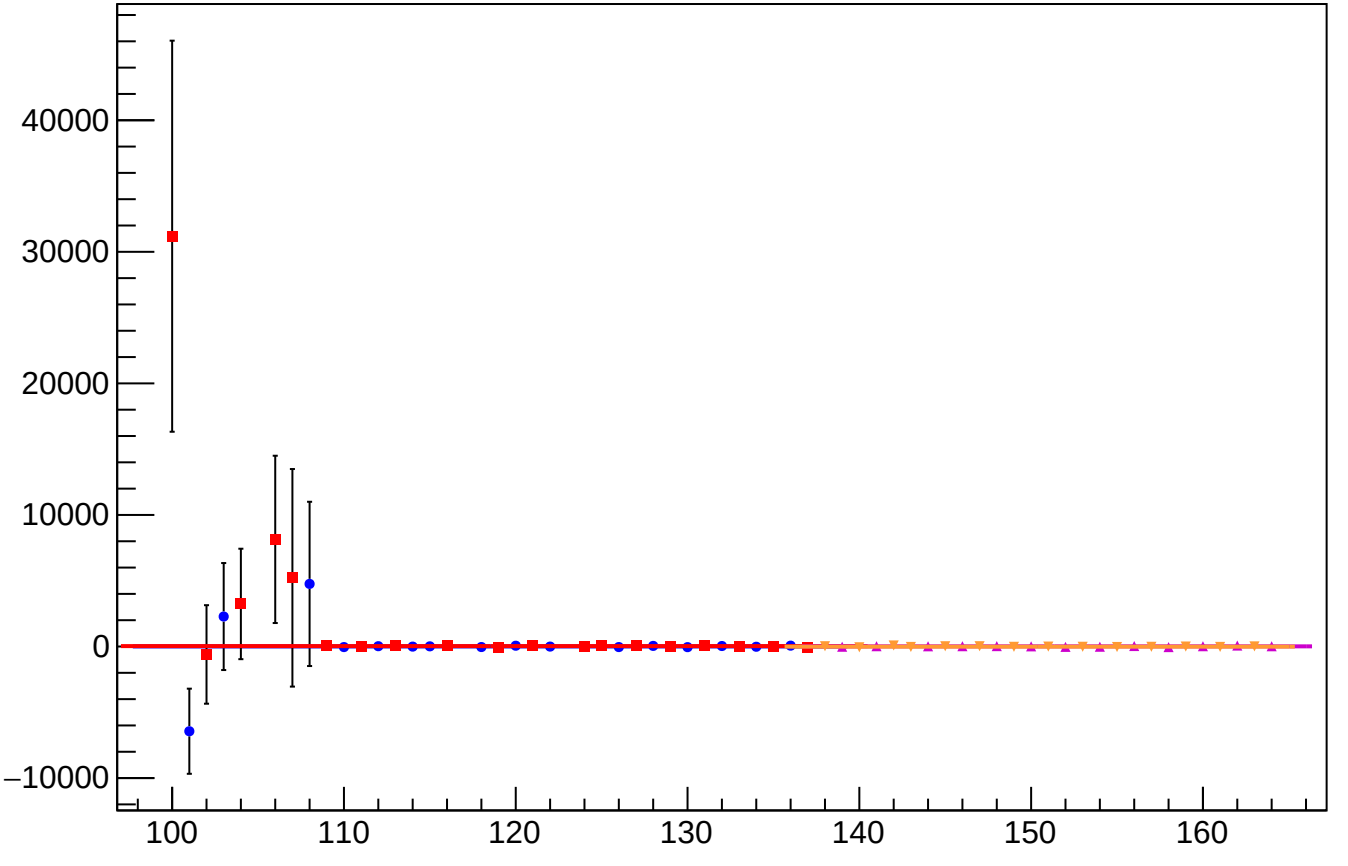
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 185.266+/-0.034 χ^2/NDF:5146264.3/28

Out: 203.288+/-0.037 χ^2/NDF:5833239.0/32

All: 193.489+/-0.025 χ^2/NDF: 11107360.4/61

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: -9.360+/-8.826 χ^2/NDF:11.1/13

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 12.349+/-8.854 χ^2/NDF:12.2/12

Left: 1.460+/-6.251 χ^2/NDF: 26.3/26

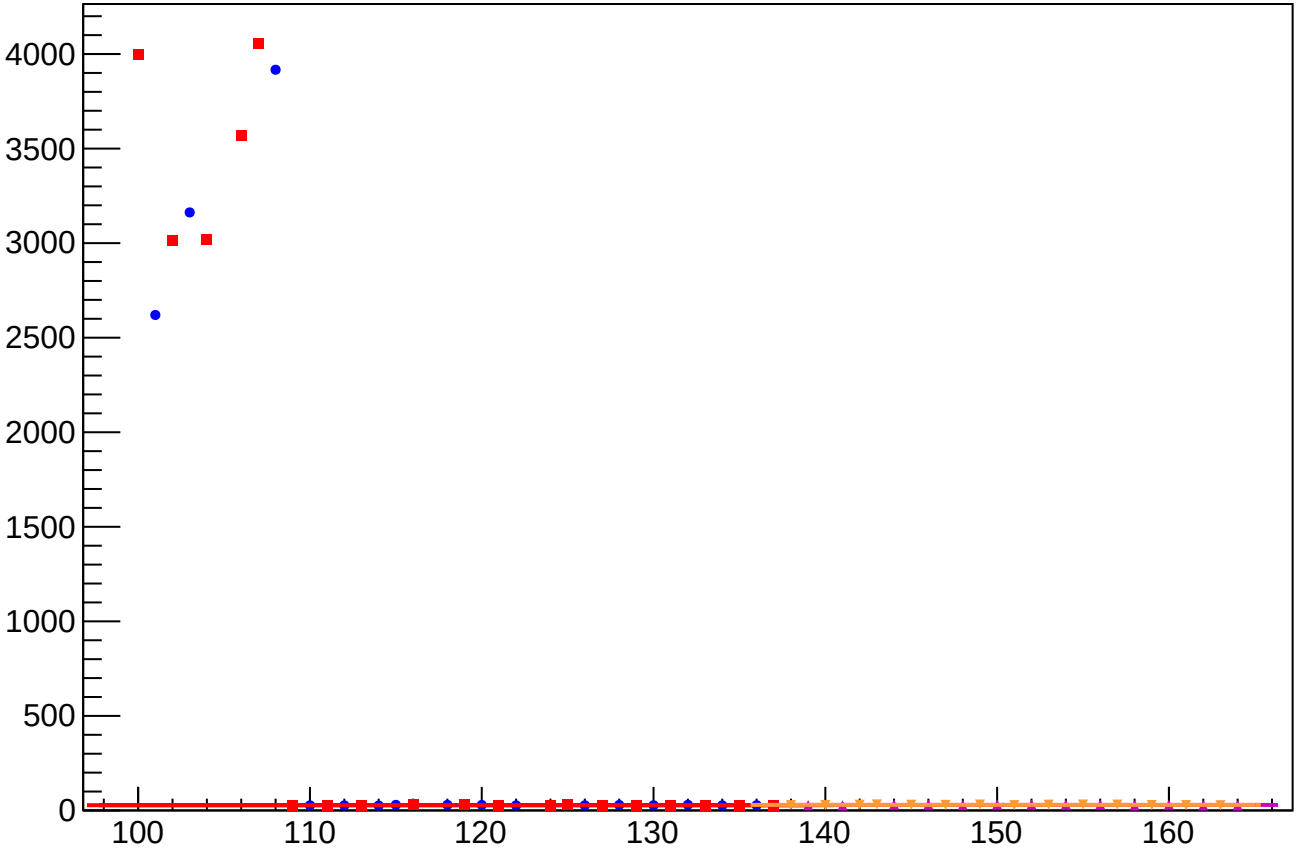
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 10.230+/-7.074 χ^2/NDF:30.6/28

Out: 4.946+/-7.089 χ^2/NDF:38.4/32

All: 7.594+/-5.008 χ^2/NDF: 69.3/61

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: 29.455+/-0.006 χ^2/NDF:52955.1/13

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.202+/-0.006 χ^2/NDF:95553.6/12

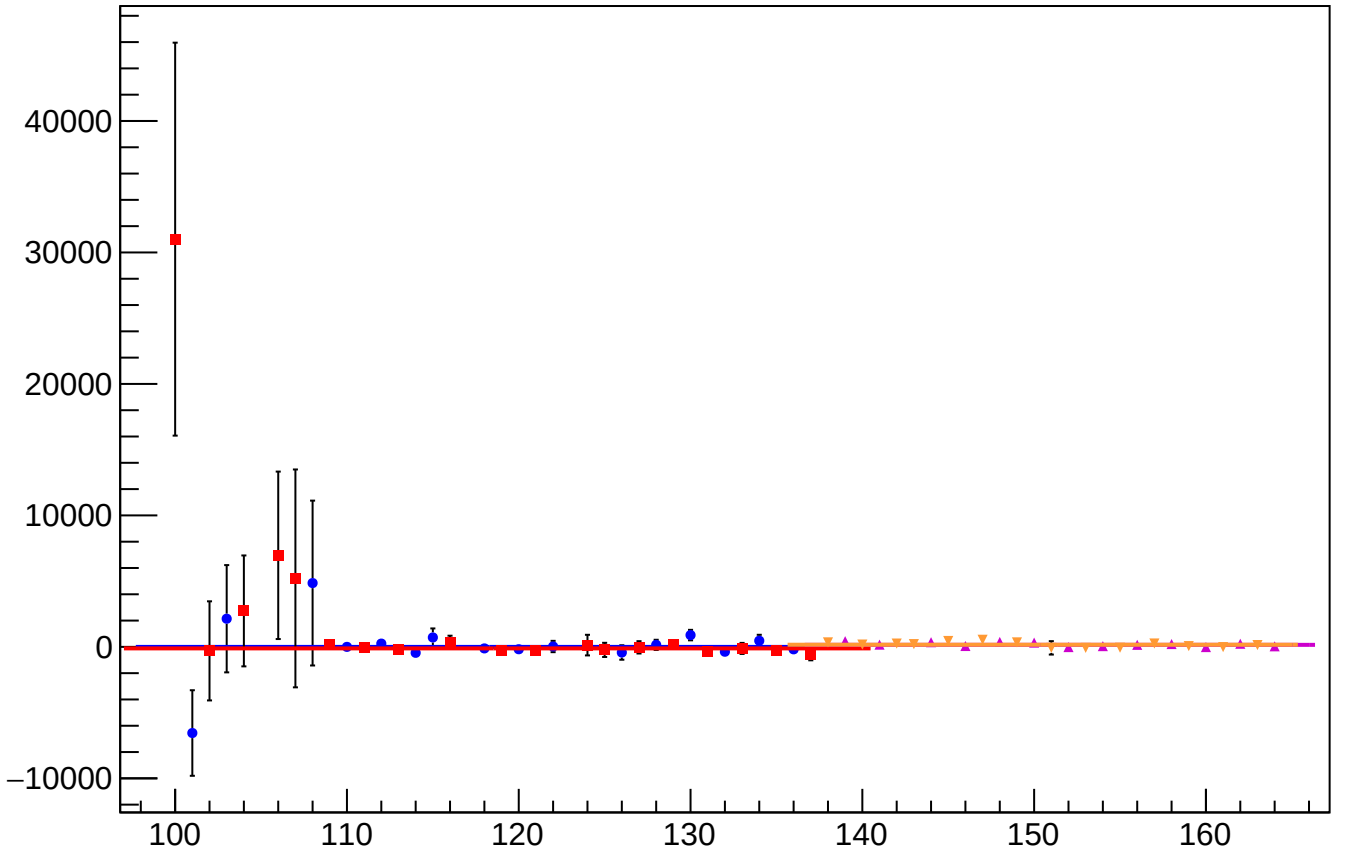
Left: 29.329+/-0.004 χ^2/NDF: 149331.6/26

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.704+/-0.005 χ^2/NDF:3378939.7/28

Out: 28.852+/-0.005 χ^2/NDF:3638015.9/32

All: 28.778+/-0.004 χ^2/NDF: 7017390.6/61



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 163.240+/-71.949 χ^2/NDF:5.8/13

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 153.416+/-59.351 χ^2/NDF:5.4/12

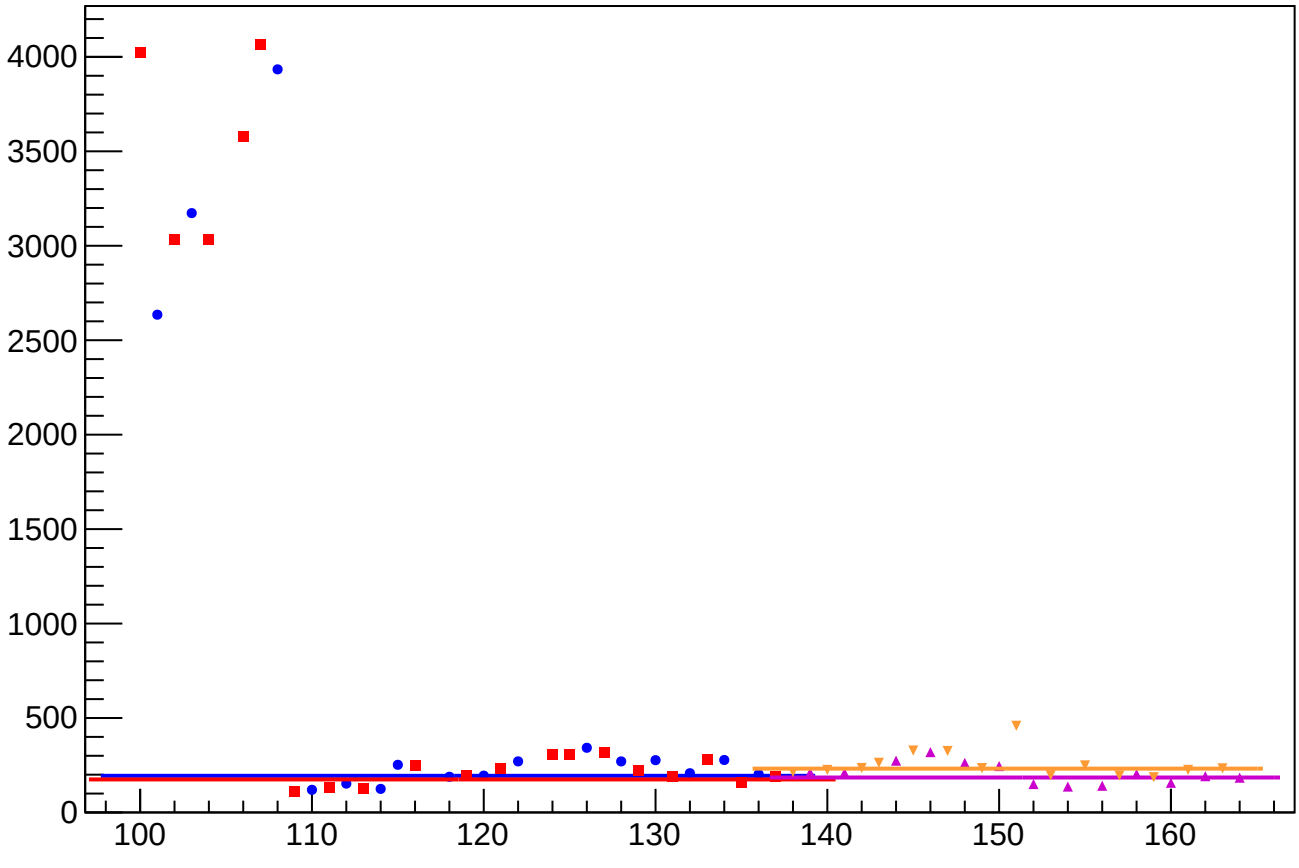
Left: 157.394+/-45.784 χ^2/NDF: 11.2/26

Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 102.626+/-48.757 χ^2/NDF:25.9/28

Out: 36.664+/-53.180 χ^2/NDF:26.4/32

All: 72.502+/-35.938 χ^2/NDF: 53.2/61



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 232.038+/-0.051 χ^2/NDF:908951.5/13

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 184.993+/-0.042 χ^2/NDF:1274064.1/12

Left: 204.043+/-0.032 χ^2/NDF: 2691831.5/26

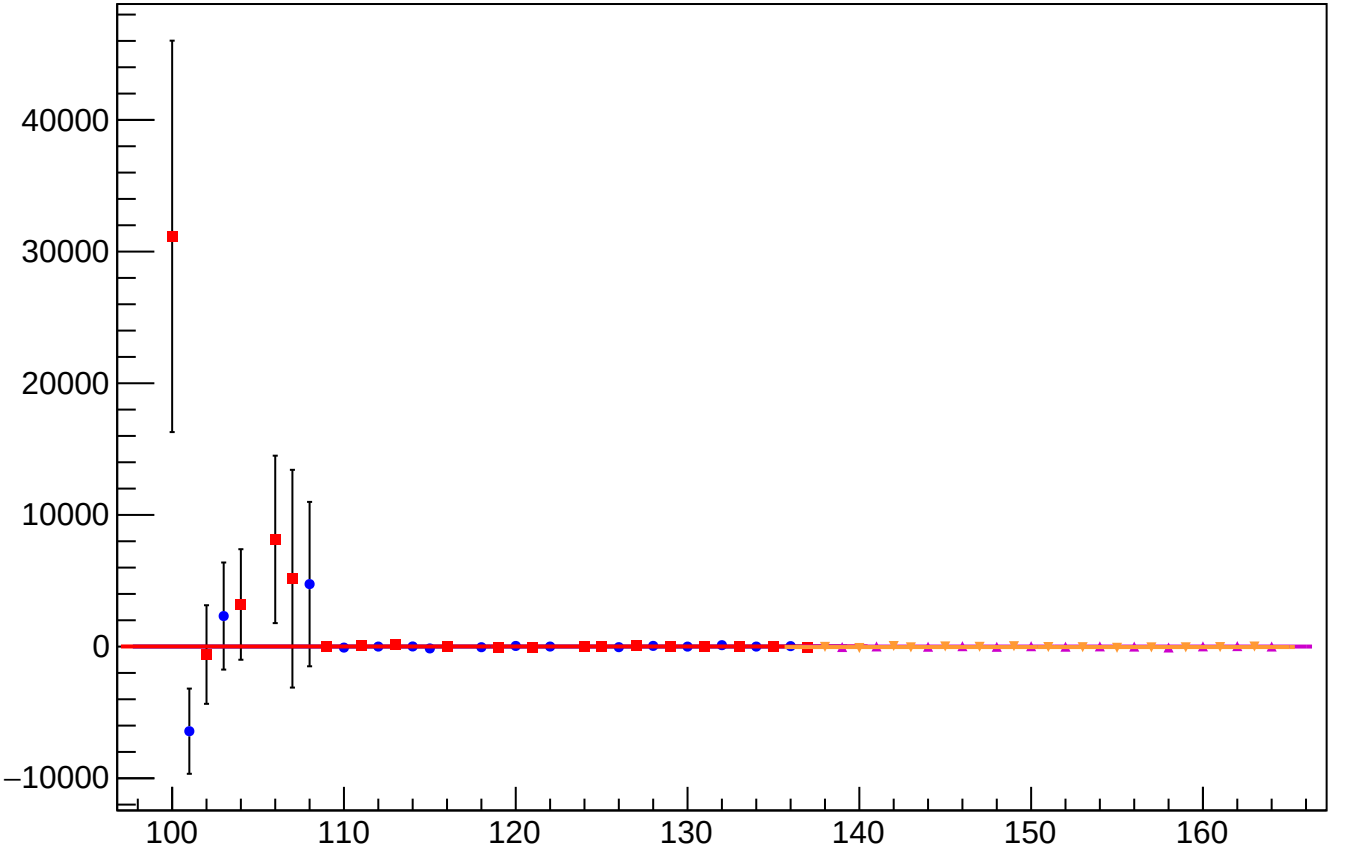
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 187.904+/-0.034 χ^2/NDF:5073328.0/28

Out: 206.060+/-0.038 χ^2/NDF:5742937.6/32

All: 196.196+/-0.025 χ^2/NDF: 10942919.1/61

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: -35.109+/-10.398 χ^2/NDF:14.4/13

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 3.214+/-10.476 χ^2/NDF:7.8/12

Left: -16.091+/-7.380 χ^2/NDF: 29.0/26

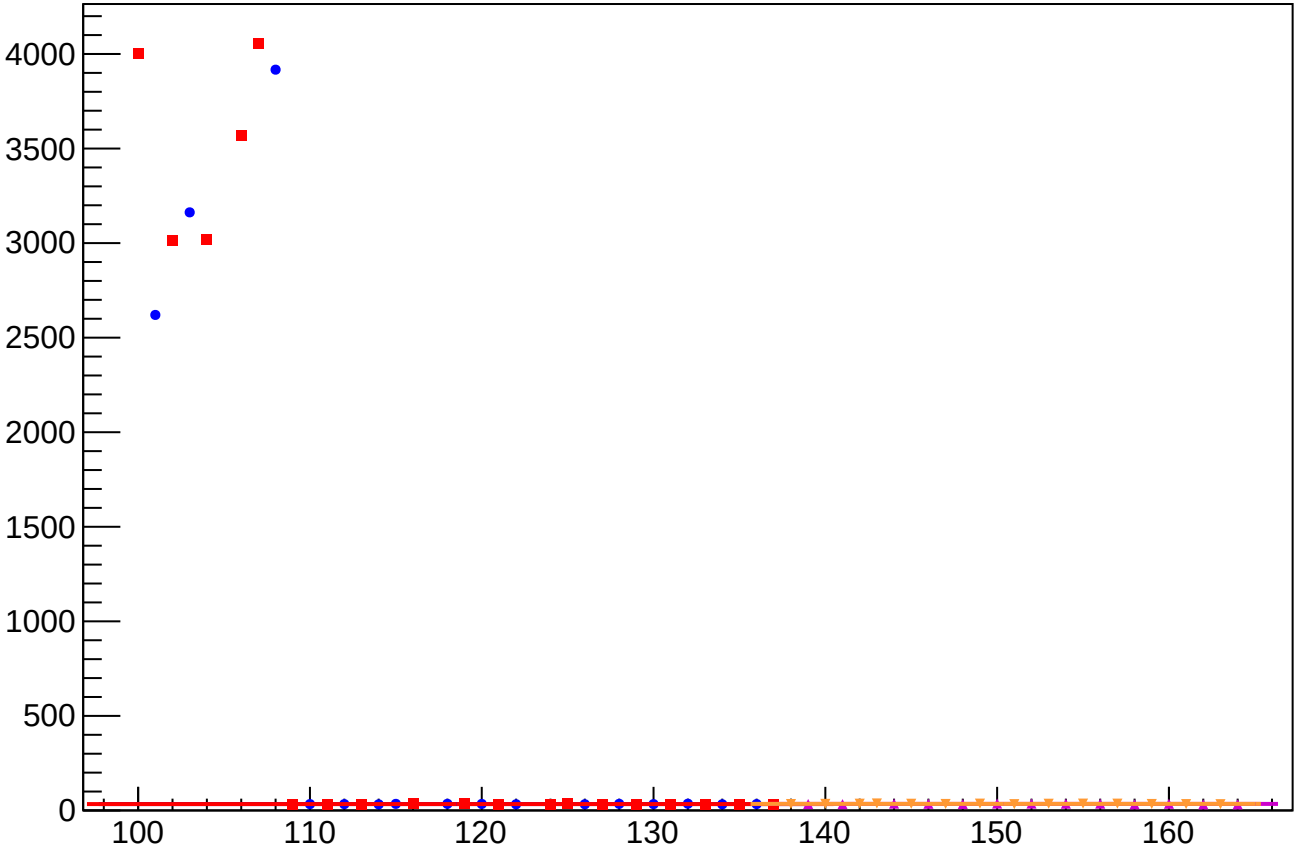
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 4.068+/-8.452 χ^2/NDF:25.3/28

Out: -19.695+/-8.436 χ^2/NDF:44.3/32

All: -7.836+/-5.971 χ^2/NDF: 73.5/61

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.756+/-0.007 χ^2/NDF:24900.3/13

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.623+/-0.007 χ^2/NDF:41952.7/12

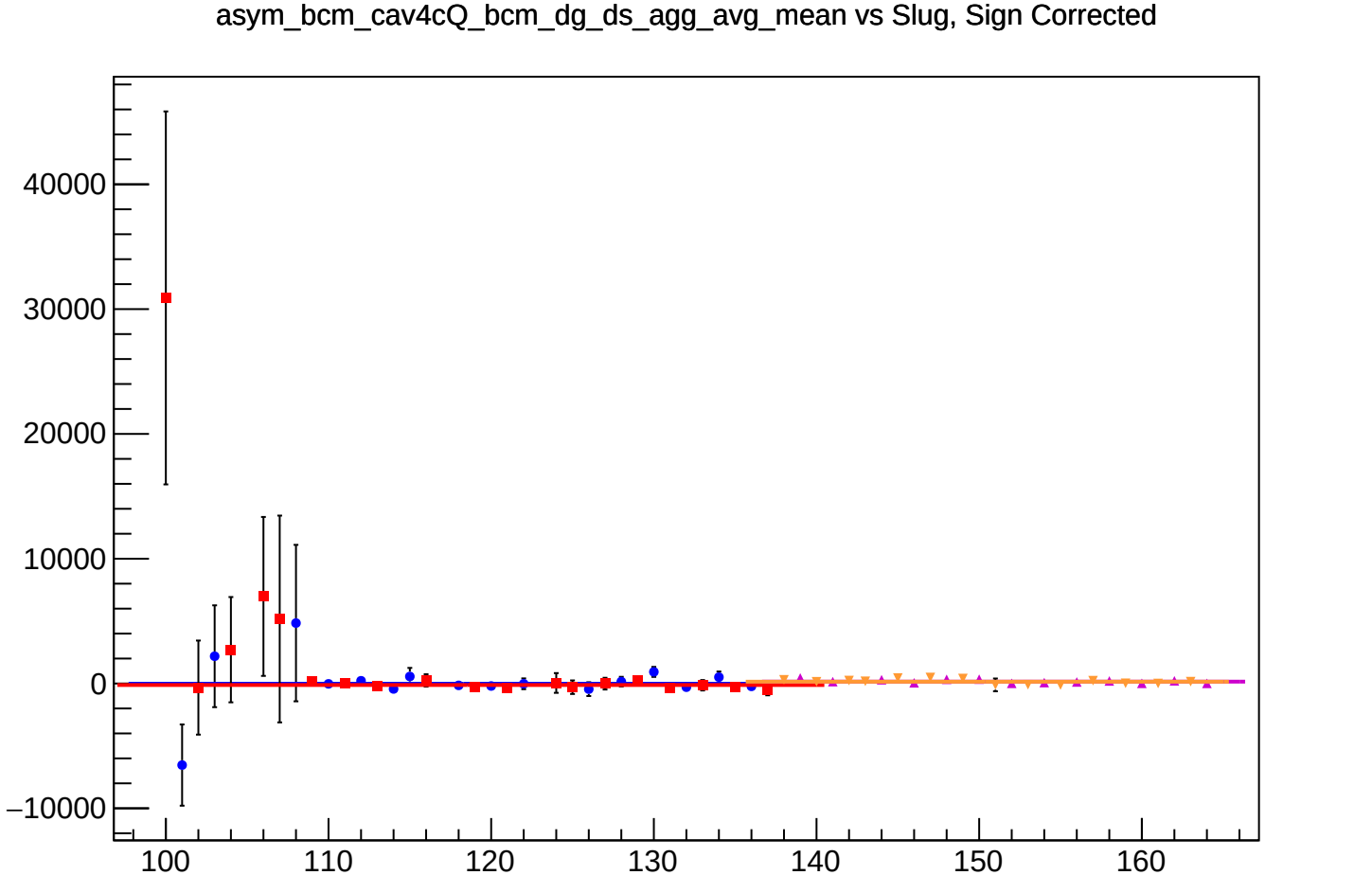
Left: 34.690+/-0.005 χ^2/NDF: 67017.3/26

Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.370+/-0.006 χ^2/NDF:3289661.4/28

Out: 34.404+/-0.006 χ^2/NDF:3558073.7/32

All: 34.387+/-0.004 χ^2/NDF: 6847751.5/61



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 145.527+/-71.760 χ^2/NDF:6.1/13

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 149.850+/-59.170 χ^2/NDF:4.8/12

Left: 148.100+/-45.652 χ^2/NDF: 10.9/26

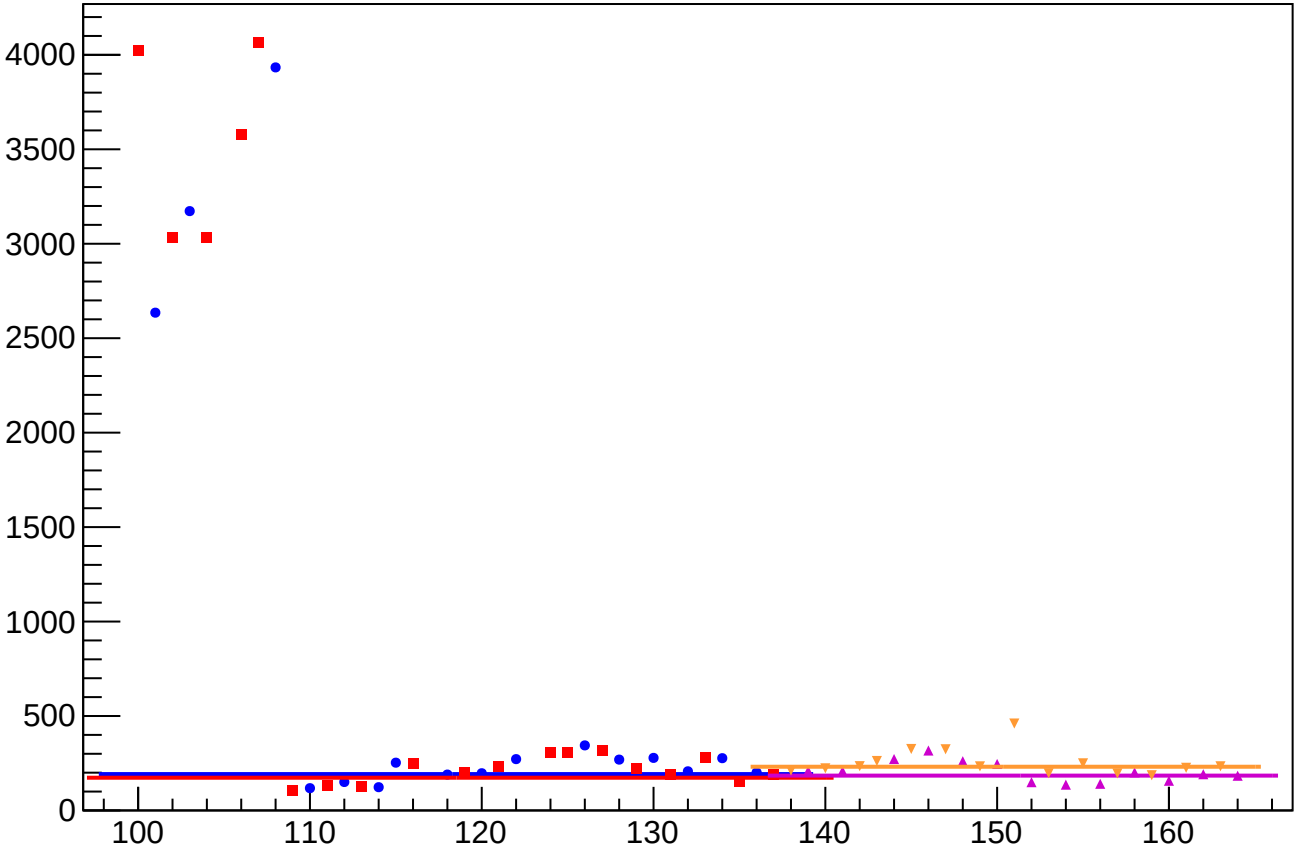
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 94.620+/-48.574 χ^2/NDF:25.6/28

Out: 24.610+/-52.951 χ^2/NDF:25.7/32

All: 62.628+/-35.795 χ^2/NDF: 52.2/61

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 231.427+/-0.051 χ^2/NDF:904437.4/13

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 184.447+/-0.042 χ^2/NDF:1259604.0/12

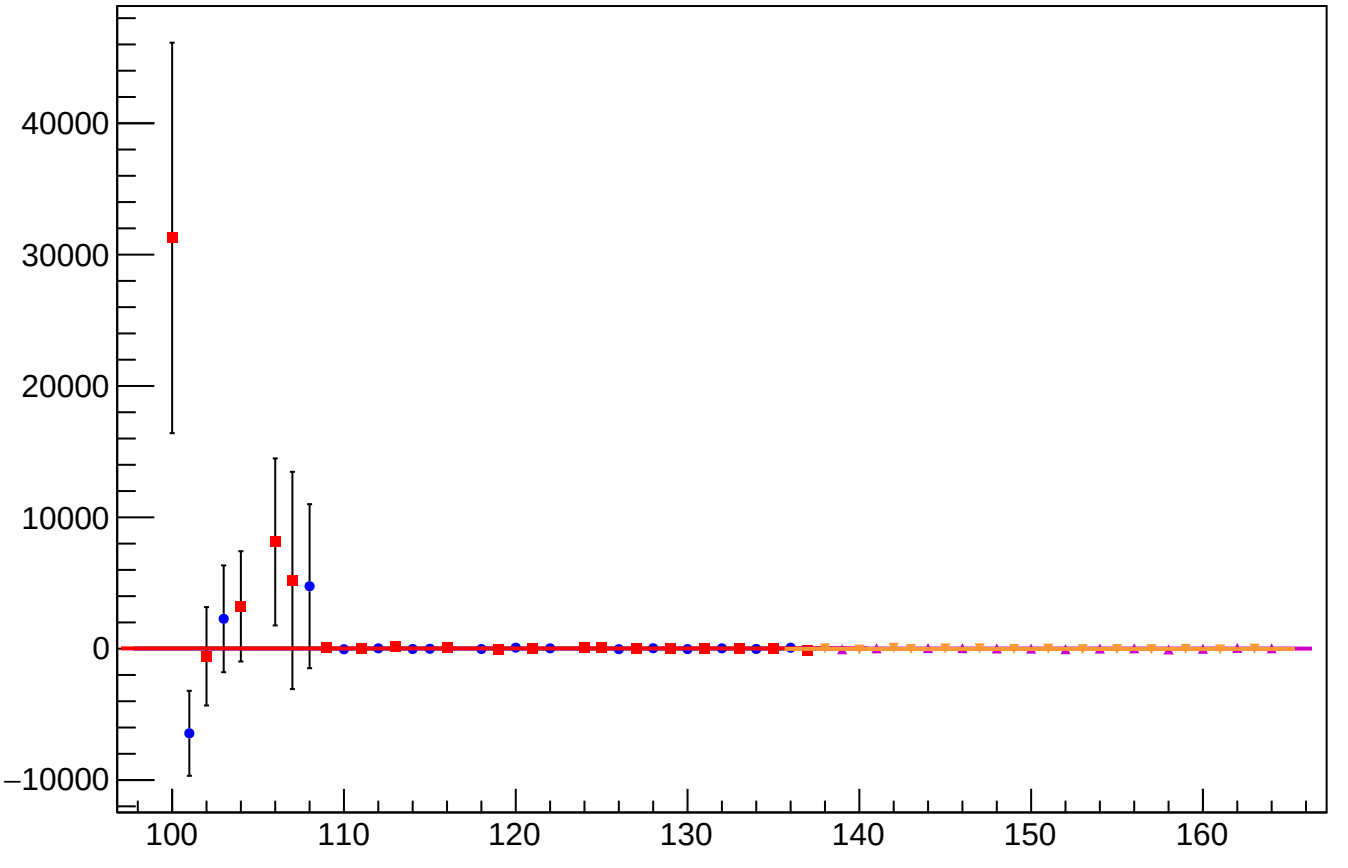
Left: 203.461+/-0.032 χ^2/NDF: 2674328.3/26

Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 187.093+/-0.034 χ^2/NDF:5094653.1/28

Out: 204.926+/-0.037 χ^2/NDF:5810680.8/32

All: 195.242+/-0.025 χ^2/NDF: 11028523.6/61



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -15.823+/-9.439 χ^2/NDF:11.6/13

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 10.555+/-9.487 χ^2/NDF:14.0/12

Left: -2.701+/-6.691 χ^2/NDF: 29.5/26

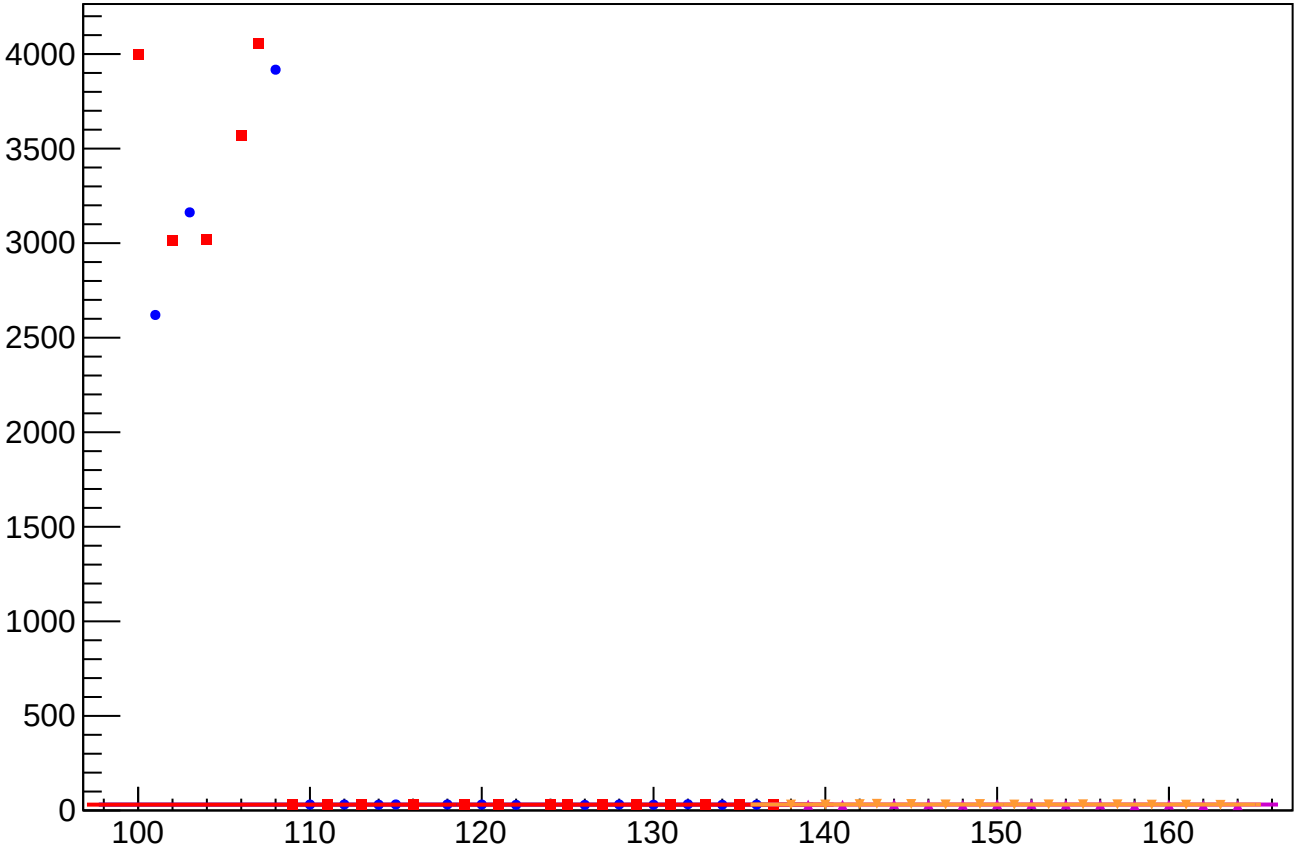
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 11.645+/-7.676 χ^2/NDF:29.5/28

Out: -2.585+/-7.674 χ^2/NDF:46.1/32

All: 4.528+/-5.427 χ^2/NDF: 77.3/61

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: 31.518+/-0.007 χ^2/NDF:46484.0/13

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.304+/-0.007 χ^2/NDF:74911.5/12

Left: 31.411+/-0.005 χ^2/NDF: 121908.8/26

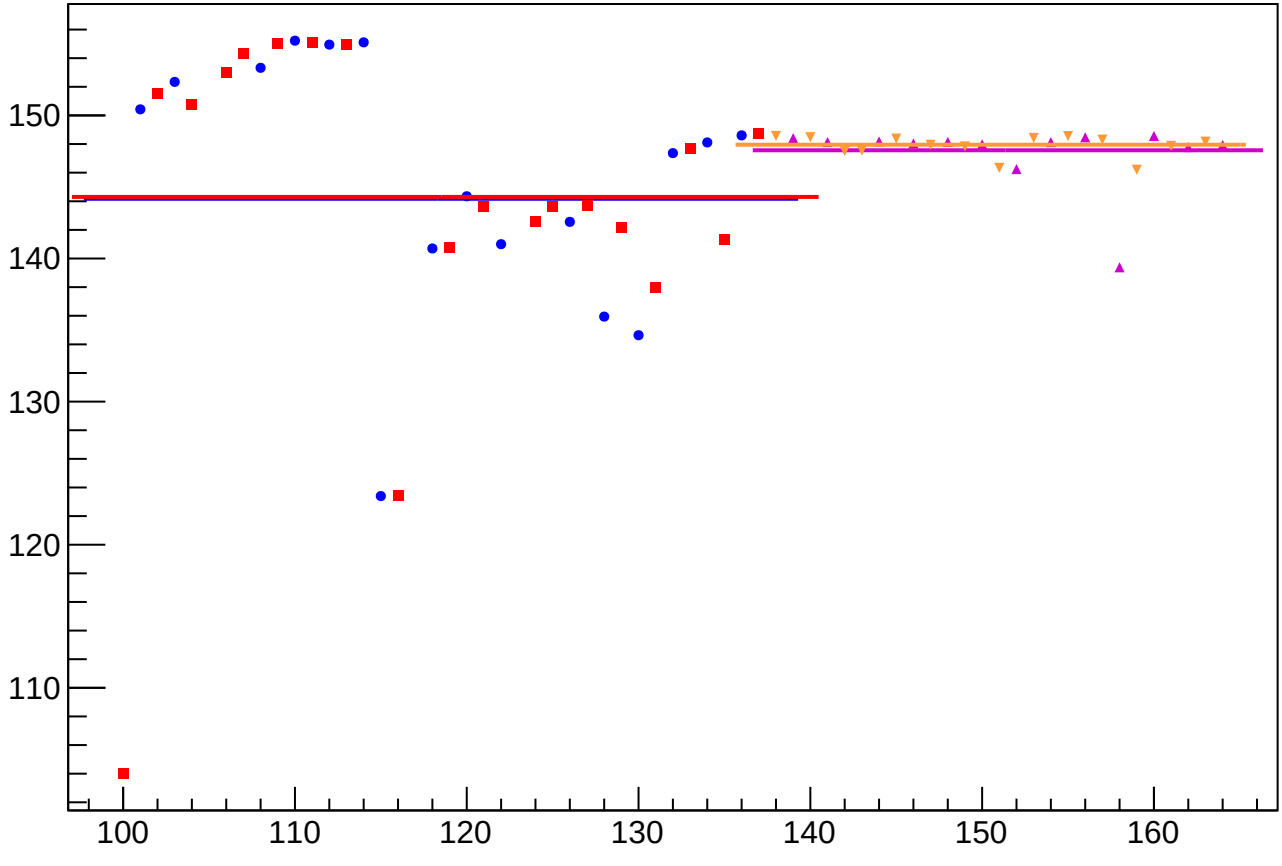
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.174+/-0.005 χ^2/NDF:3328600.2/28

Out: 31.267+/-0.005 χ^2/NDF:3586898.1/32

All: 31.220+/-0.004 χ^2/NDF: 6915644.5/61

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.953+/-0.000 χ^2/NDF:32709173.5/13

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.564+/-0.000 χ^2/NDF:284672720.0/12

Left: 147.766+/-0.000 χ^2/NDF: 322529423.8/26

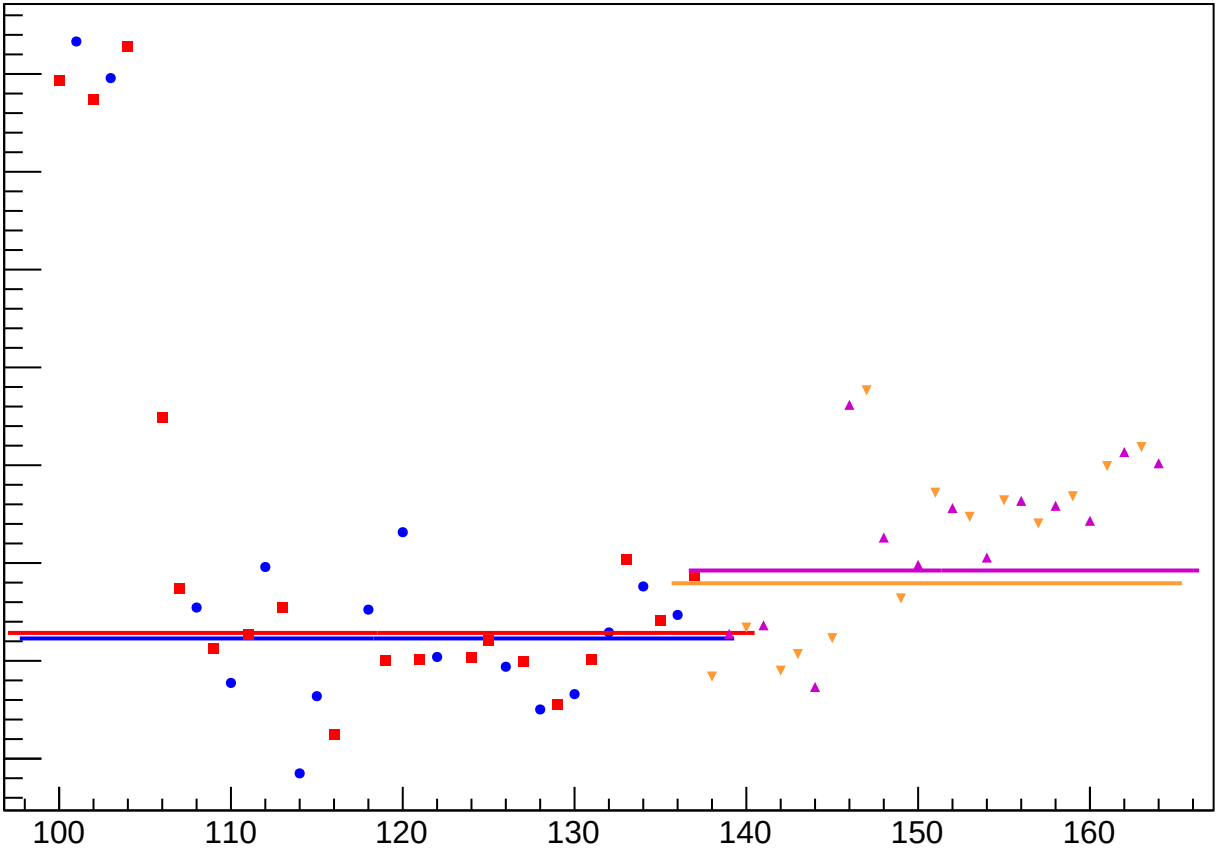
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.983+/-0.000 χ^2/NDF:4358768143.6/28

Out: 146.335+/-0.000 χ^2/NDF:4715445493.4/32

All: 146.162+/-0.000 χ^2/NDF: 9081917146.2

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.379+/-0.000 χ^2/NDF:1045937.6/13

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.392+/-0.000 χ^2/NDF:873013.7/12

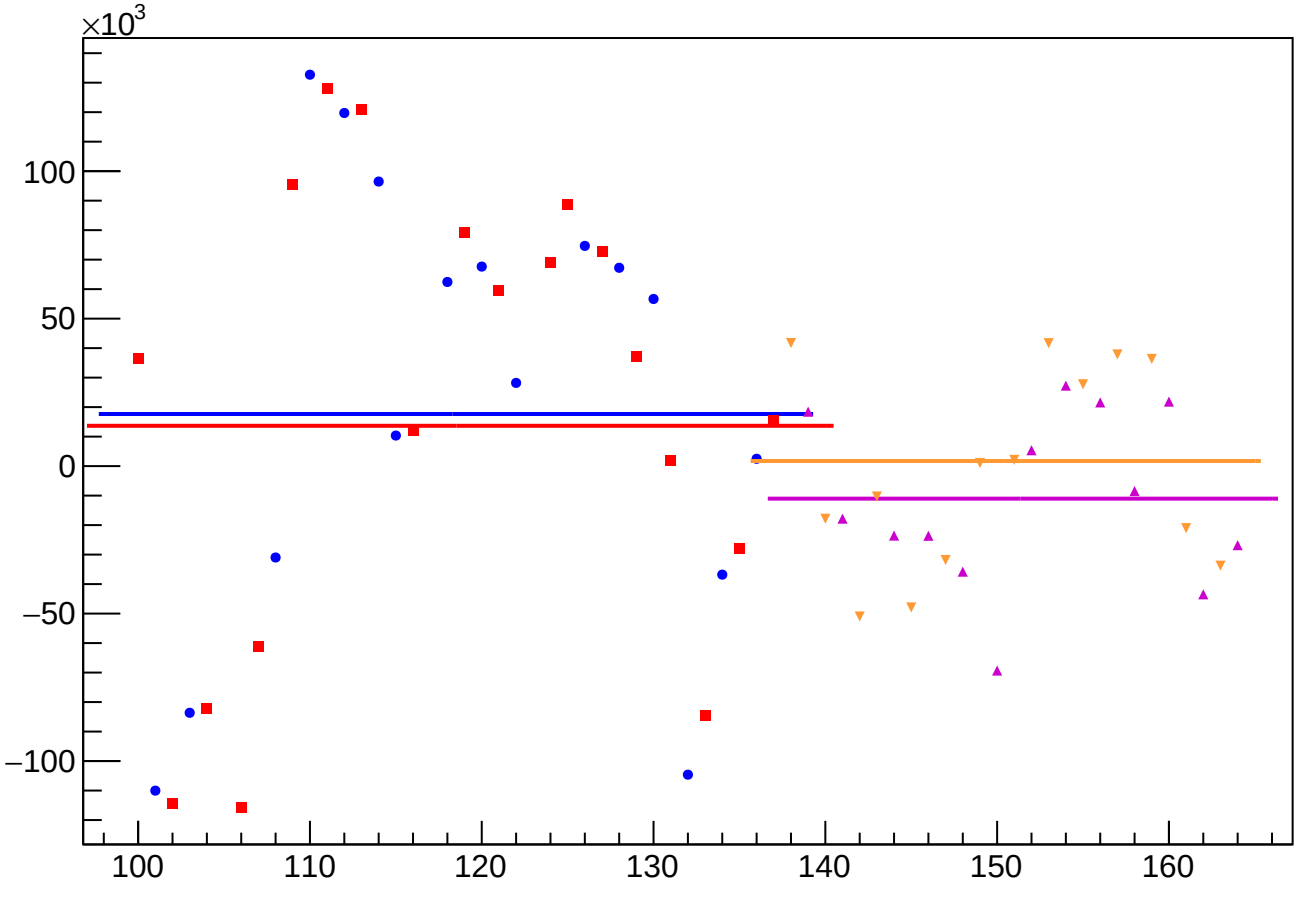
Left: 0.386+/-0.000 χ^2/NDF: 1930563.8/26

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.360+/-0.000 χ^2/NDF:2562944.7/28

Out: 0.357+/-0.000 χ^2/NDF:2511758.2/32

All: 0.358+/-0.000 χ^2/NDF: 5075947.8/61



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 1728.124+/-1.476 χ^2/NDF:467211602.1/13

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -11032.865+/-1.497 χ^2/NDF:384706925.5/12

Left: -4563.009+/-1.051 χ^2/NDF: 888779584.4/26

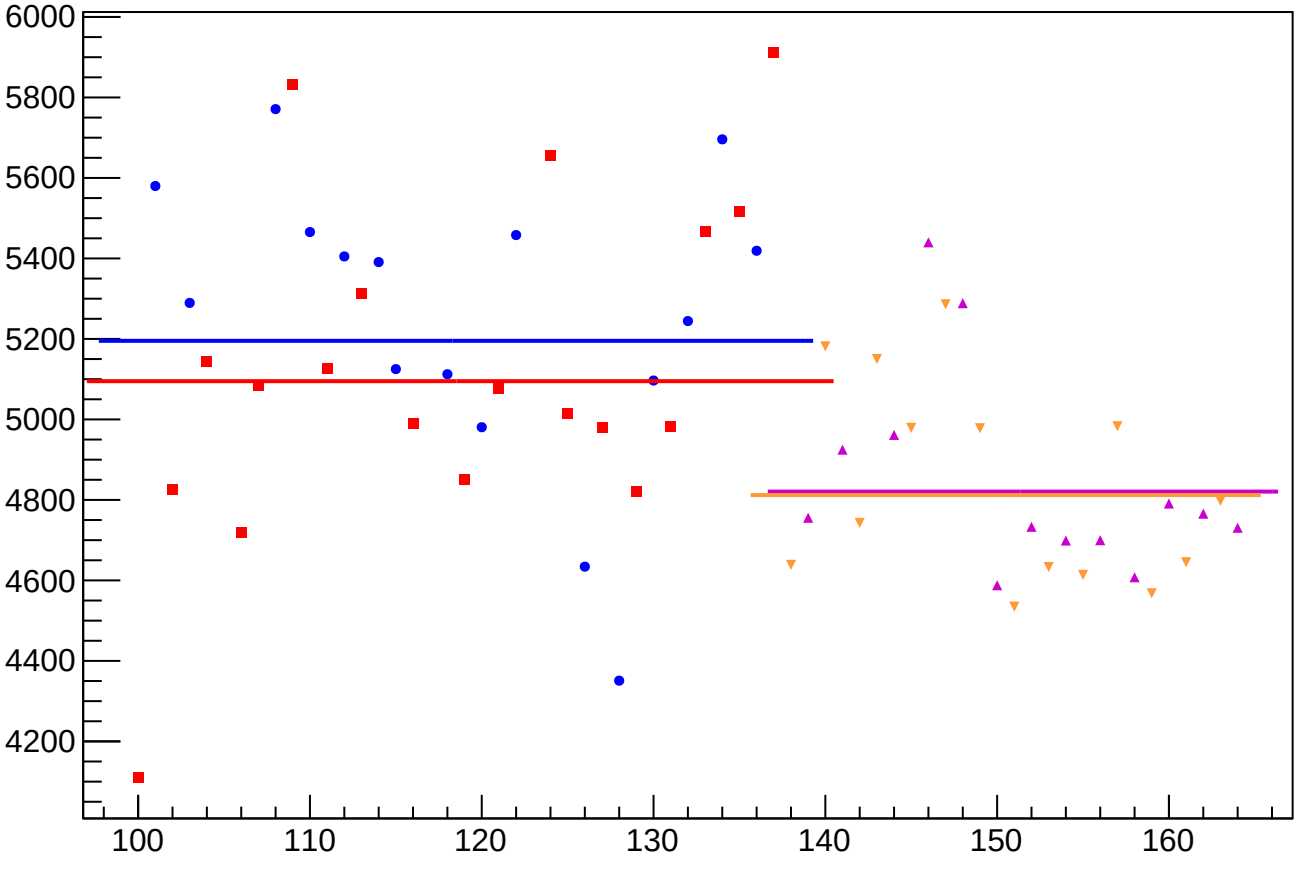
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: -768.468+/-1.199 χ^2/NDF:1914954036.6/28

Out: 6147.563+/-1.171 χ^2/NDF:2348399270.3/32

All: 2771.966+/-0.838 χ^2/NDF: 4280373127.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4811.955+/-1.044 χ^2/NDF:52438.7/13

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4820.704+/-1.058 χ^2/NDF:46799.2/12

Left: 4816.269+/-0.743 χ^2/NDF: 99272.6/26

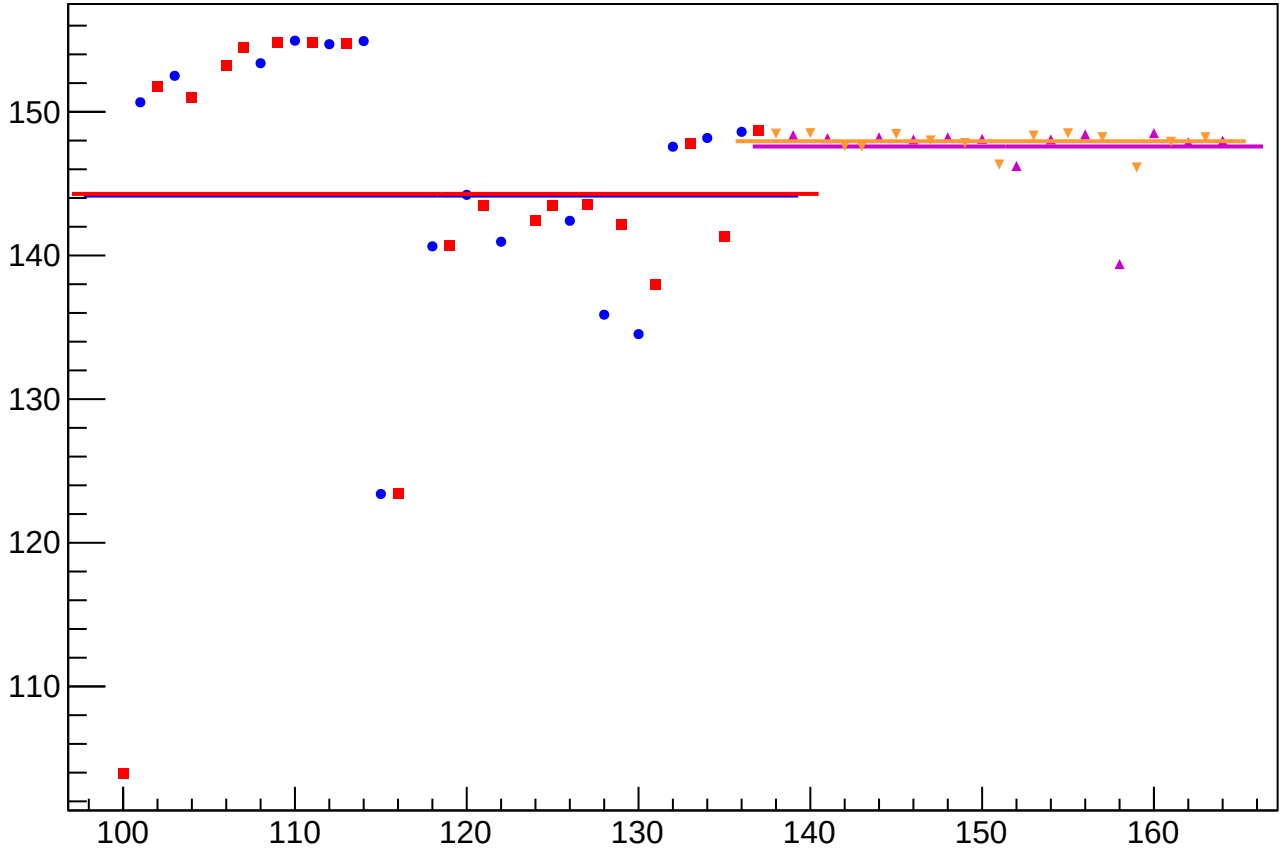
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4954.692+/-0.848 χ^2/NDF:168782.1/28

Out: 4916.754+/-0.828 χ^2/NDF:138794.6/32

All: 4935.271+/-0.593 χ^2/NDF: 308601.0/61

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.954+/-0.000 χ^2/NDF:32789847.4/13

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.588+/-0.000 χ^2/NDF:285822610.8/12

Left: 147.779+/-0.000 χ^2/NDF: 323212326.3/26

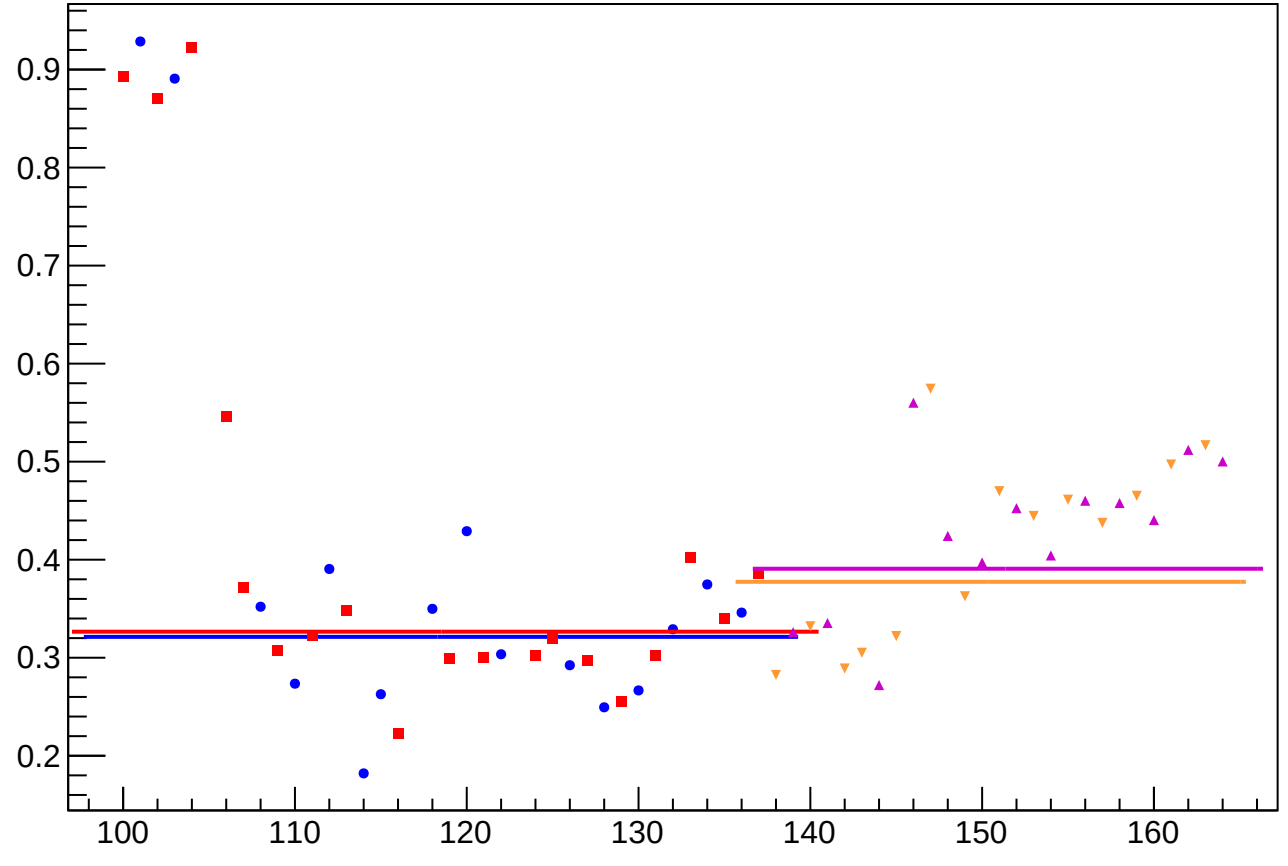
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.992+/-0.000 χ^2/NDF:4409184856.2/28

Out: 146.325+/-0.000 χ^2/NDF:4750342809.8/32

All: 146.162+/-0.000 χ^2/NDF: 9166511696.0

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.377+/-0.000 χ^2/NDF:1045464.9/13

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.391+/-0.000 χ^2/NDF:871956.6/12

Left: 0.384+/-0.000 χ^2/NDF: 1929580.8/26

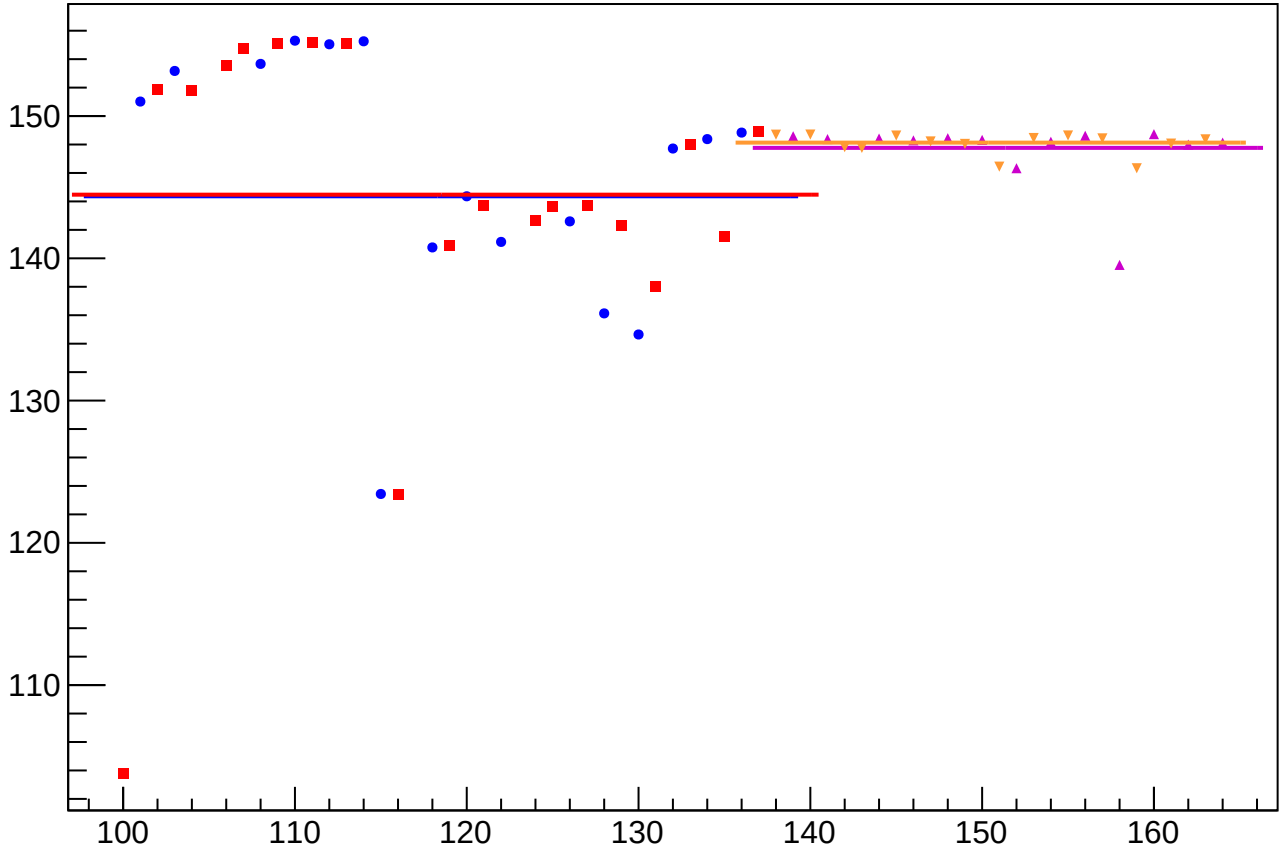
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.358+/-0.000 χ^2/NDF:2564808.1/28

Out: 0.355+/-0.000 χ^2/NDF:2512722.7/32

All: 0.357+/-0.000 χ^2/NDF: 5079049.0/61

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.134+/-0.000 χ^2/NDF:32766910.7/13

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.764+/-0.000 χ^2/NDF:290041088.2/12

Left: 147.957+/-0.000 χ^2/NDF: 327435347.9/26

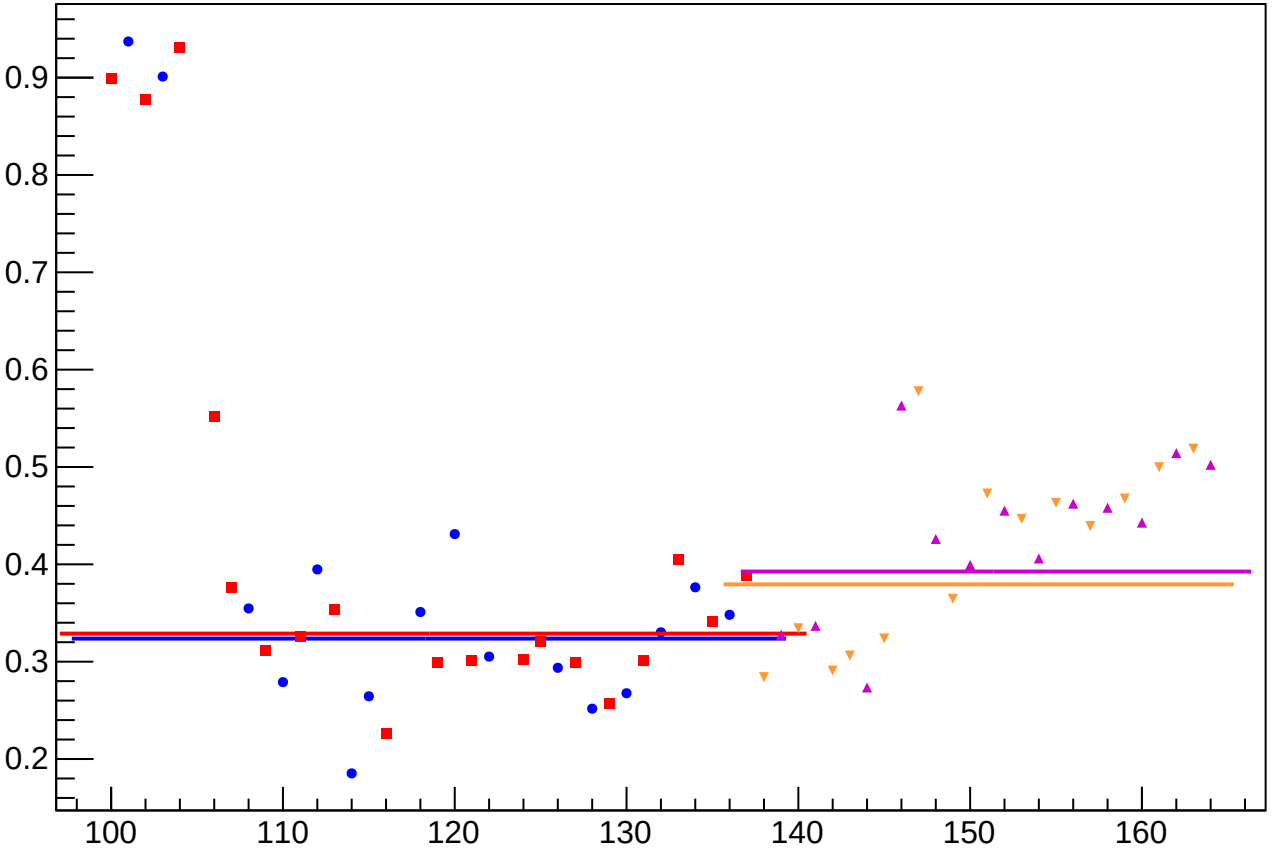
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.179+/-0.000 χ^2/NDF:4400294363.3/28

Out: 146.512+/-0.000 χ^2/NDF:4734880118.0/32

All: 146.349+/-0.000 χ^2/NDF: 9142054544.5

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.379+/-0.000 χ^2/NDF:1043536.1/13

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.393+/-0.000 χ^2/NDF:870613.9/12

Left: 0.386+/-0.000 χ^2/NDF: 1925906.0/26

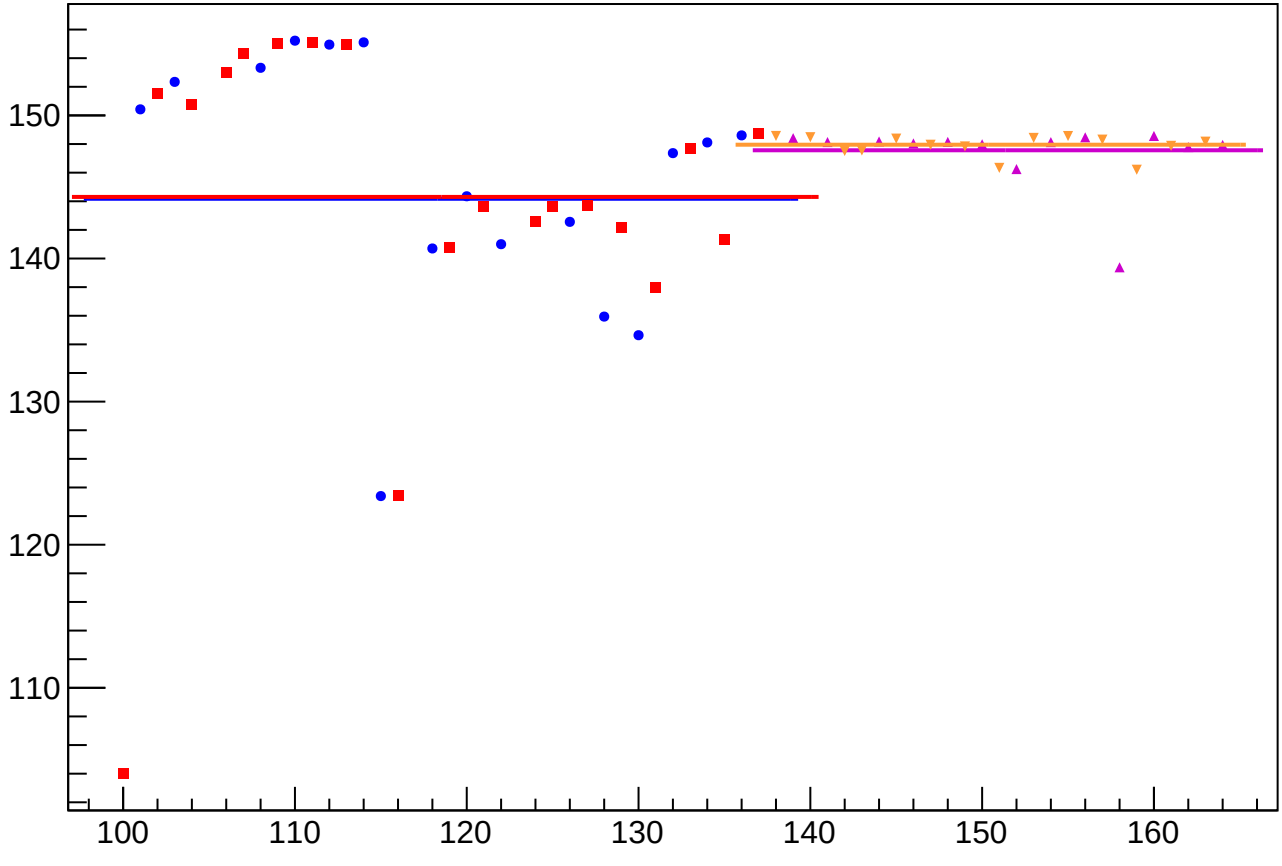
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.361+/-0.000 χ^2/NDF:2550877.6/28

Out: 0.357+/-0.000 χ^2/NDF:2507420.5/32

All: 0.359+/-0.000 χ^2/NDF: 5059839.1/61

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.953+/-0.000 χ^2/NDF:32709173.5/13

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.564+/-0.000 χ^2/NDF:284672720.0/12

Left: 147.766+/-0.000 χ^2/NDF: 322529423.8/26

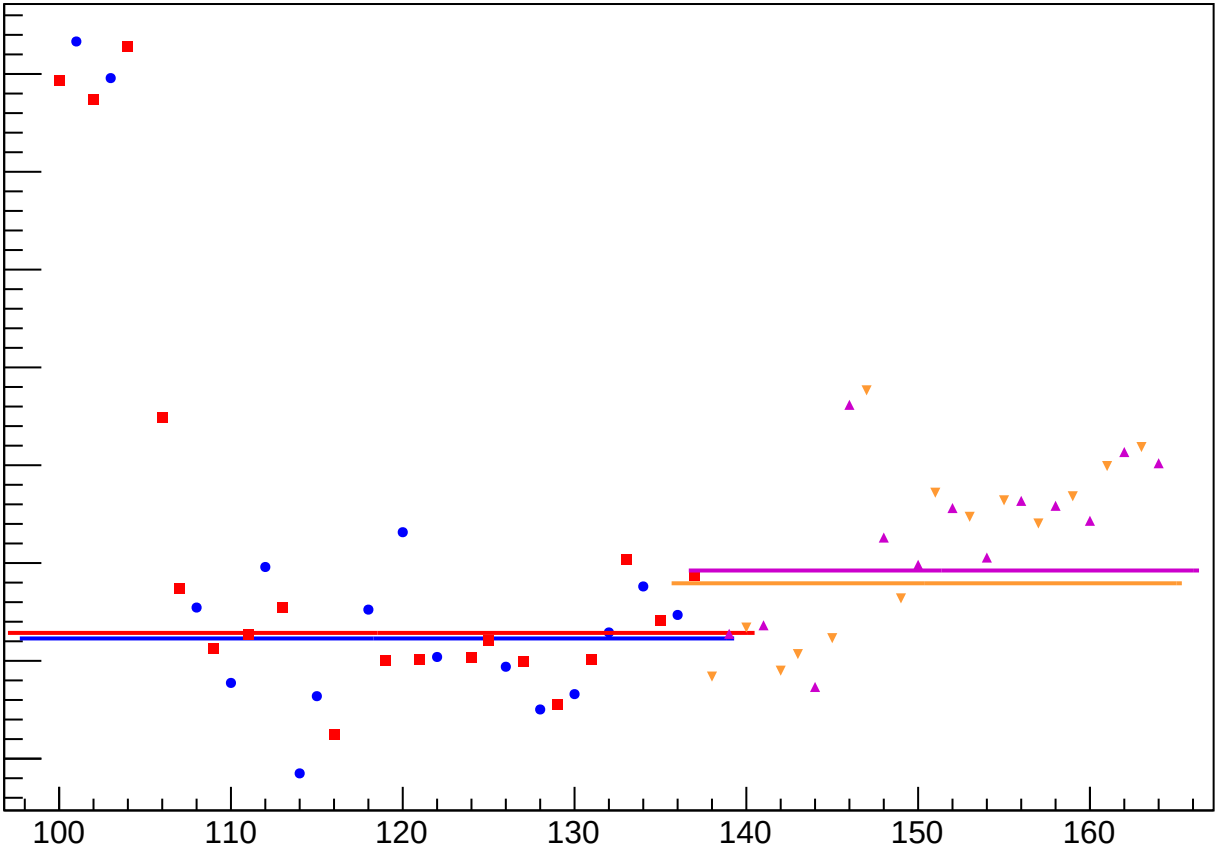
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.983+/-0.000 χ^2/NDF:4358768143.6/28

Out: 146.335+/-0.000 χ^2/NDF:4715445493.4/32

All: 146.162+/-0.000 χ^2/NDF: 9081917146.2

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.379+/-0.000 χ^2/NDF:1045937.6/13

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.392+/-0.000 χ^2/NDF:873013.7/12

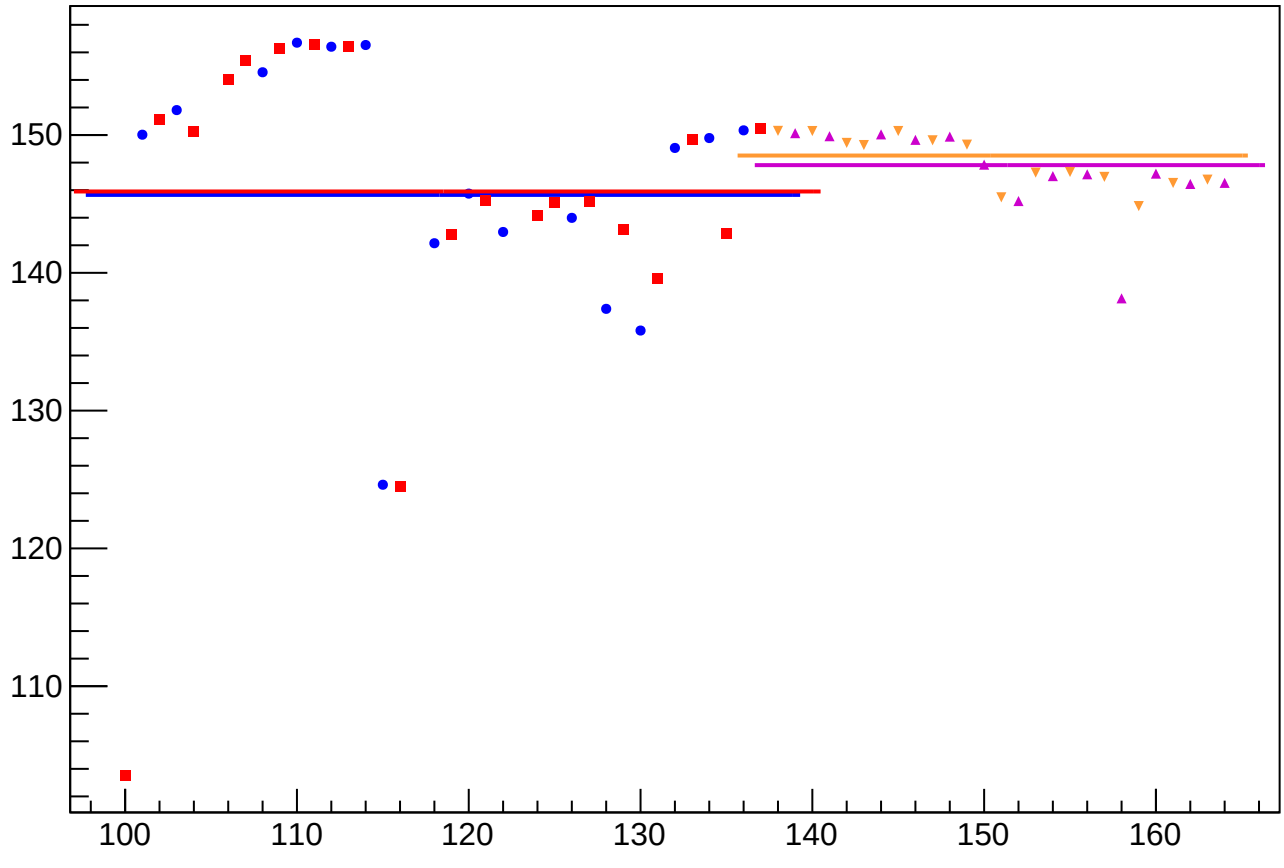
Left: 0.386+/-0.000 χ^2/NDF: 1930563.8/26

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.360+/-0.000 χ^2/NDF:2562944.7/28

Out: 0.357+/-0.000 χ^2/NDF:2511758.2/32

All: 0.358+/-0.000 χ^2/NDF: 5075947.8/61



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.513+/-0.000 χ^2/NDF:204954774.5/13

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.816+/-0.000 χ^2/NDF:528490335.0/12

Left: 148.177+/-0.000 χ^2/NDF: 748656896.2/26

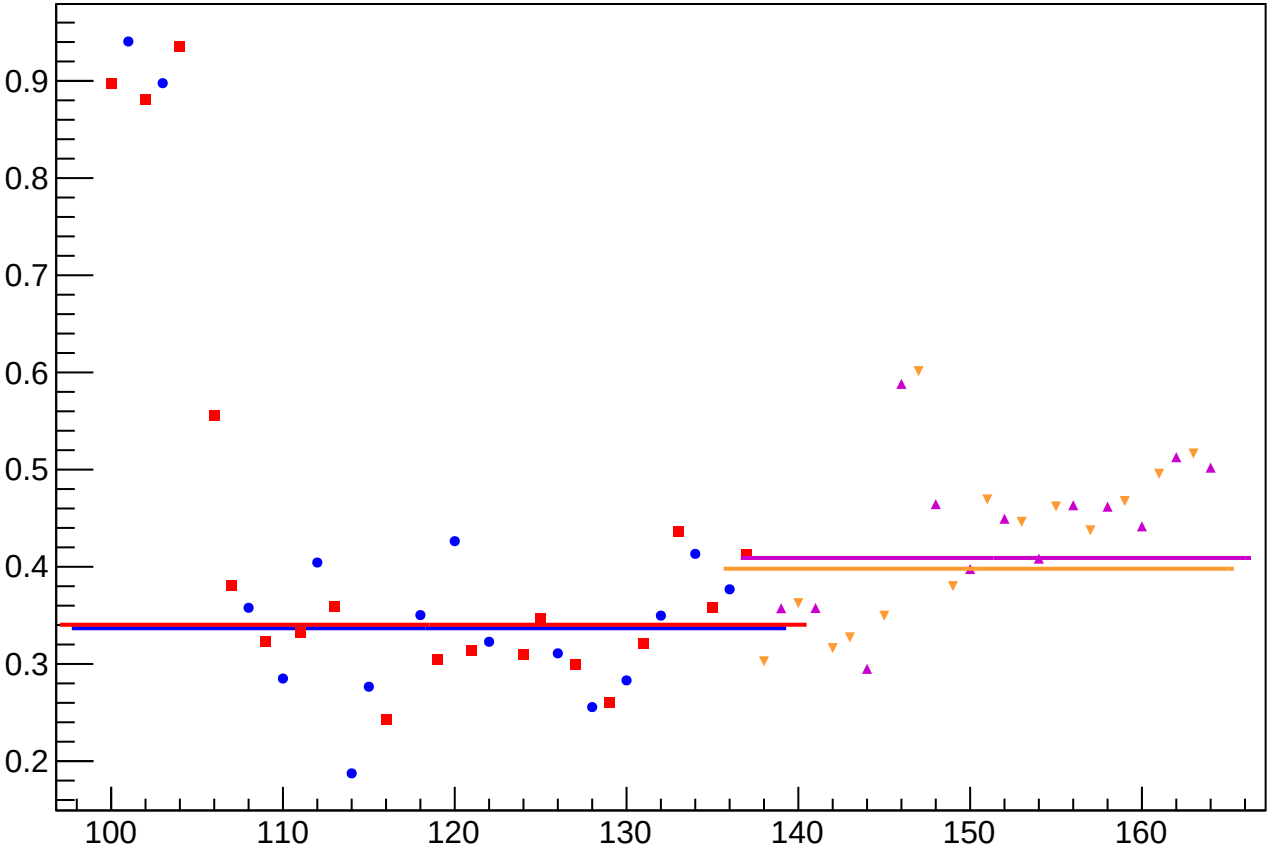
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.814+/-0.000 χ^2/NDF:4141103493.2/28

Out: 147.346+/-0.000 χ^2/NDF:4265625621.0/32

All: 147.085+/-0.000 χ^2/NDF: 8422972778.6

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.398+/-0.000 χ^2/NDF:780490.3/13

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.409+/-0.000 χ^2/NDF:675645.4/12

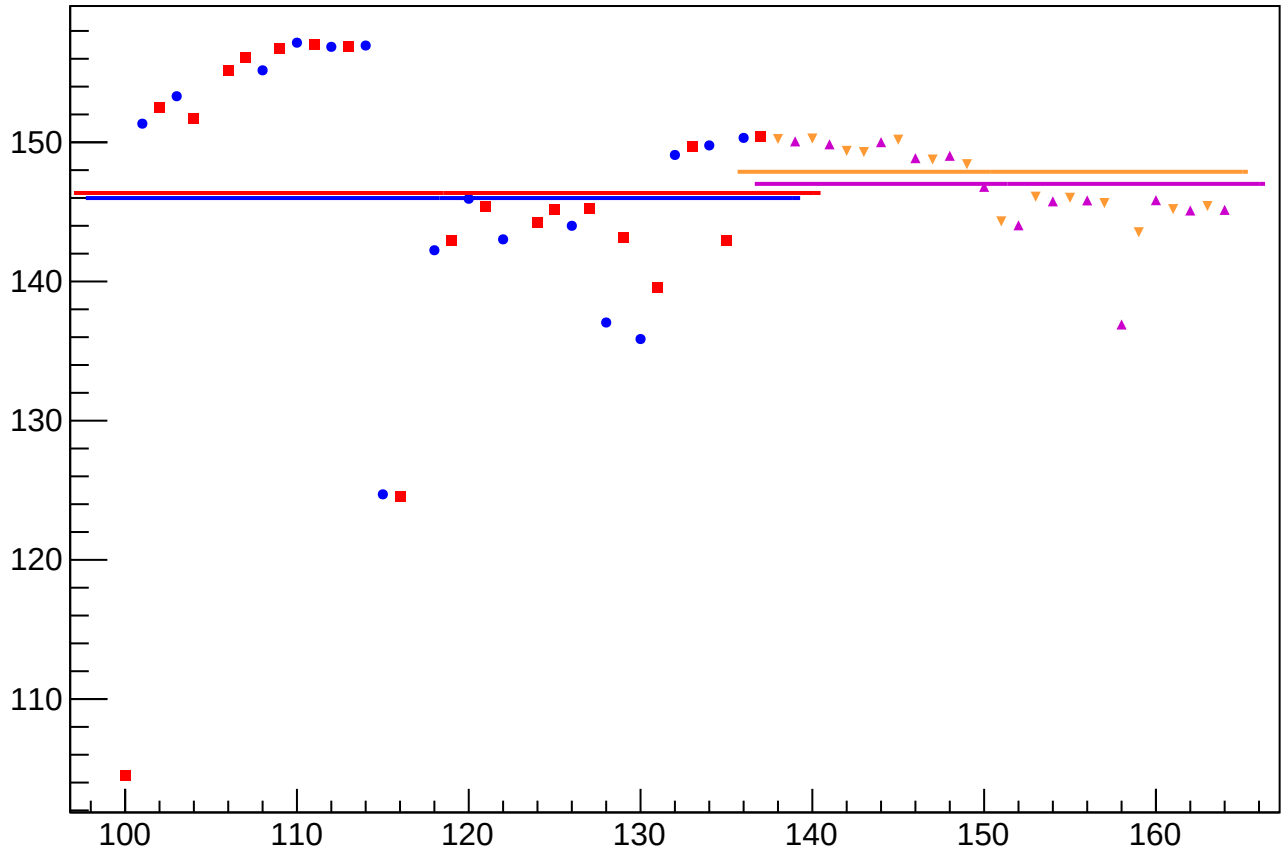
Left: 0.403+/-0.000 χ^2/NDF: 1463825.9/26

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.376+/-0.000 χ^2/NDF:2340369.3/28

Out: 0.372+/-0.000 χ^2/NDF:2248075.1/32

All: 0.374+/-0.000 χ^2/NDF: 4589705.8/61



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.881+/-0.000 χ^2/NDF:343710622.5/13

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 147.013+/-0.000 χ^2/NDF:692231254.0/12

Left: 147.462+/-0.000 χ^2/NDF: 1059497543.3/26

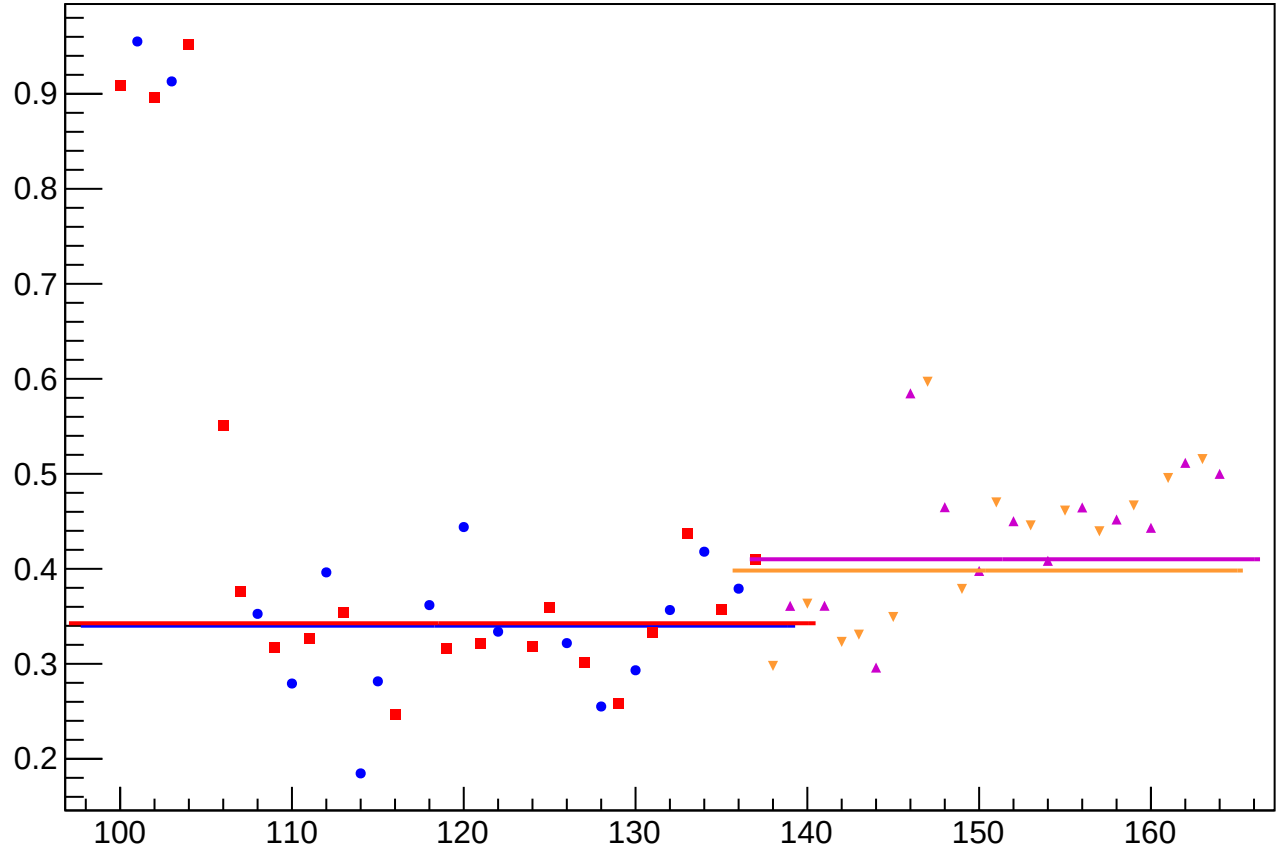
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.544+/-0.000 χ^2/NDF:4342686205.3/28

Out: 147.205+/-0.000 χ^2/NDF:4373528865.2/32

All: 146.882+/-0.000 χ^2/NDF: 8741080235.3

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.398+/-0.000 χ^2/NDF:774607.2/13

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.410+/-0.000 χ^2/NDF:645329.1/12

Left: 0.404+/-0.000 χ^2/NDF: 1428737.6/26

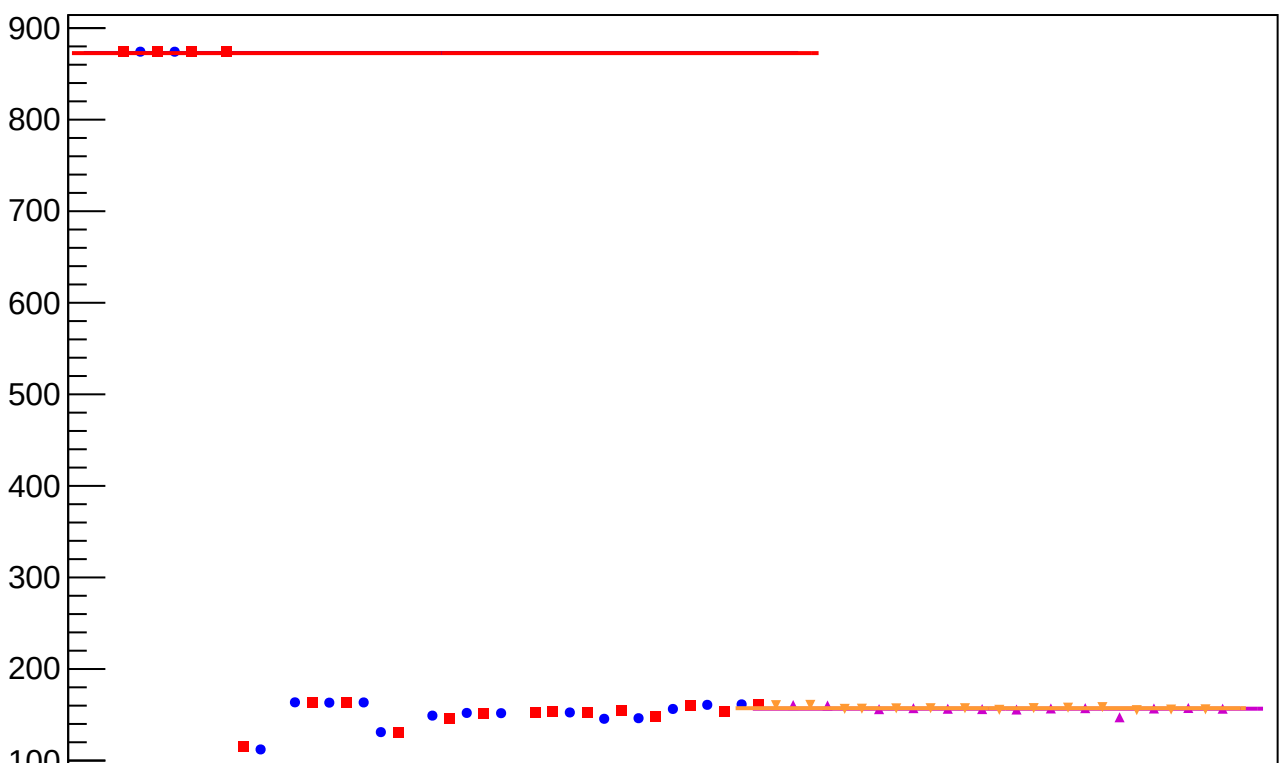
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.378+/-0.000 χ^2/NDF:2309368.2/28

Out: 0.374+/-0.000 χ^2/NDF:2222389.4/32

All: 0.376+/-0.000 χ^2/NDF: 4533968.7/61

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.200+/-0.000 χ^2/NDF:61338692.8/13

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 156.650+/-0.000 χ^2/NDF:165669810.0/12

Left: 156.925+/-0.000 χ^2/NDF: 229897853.3/26

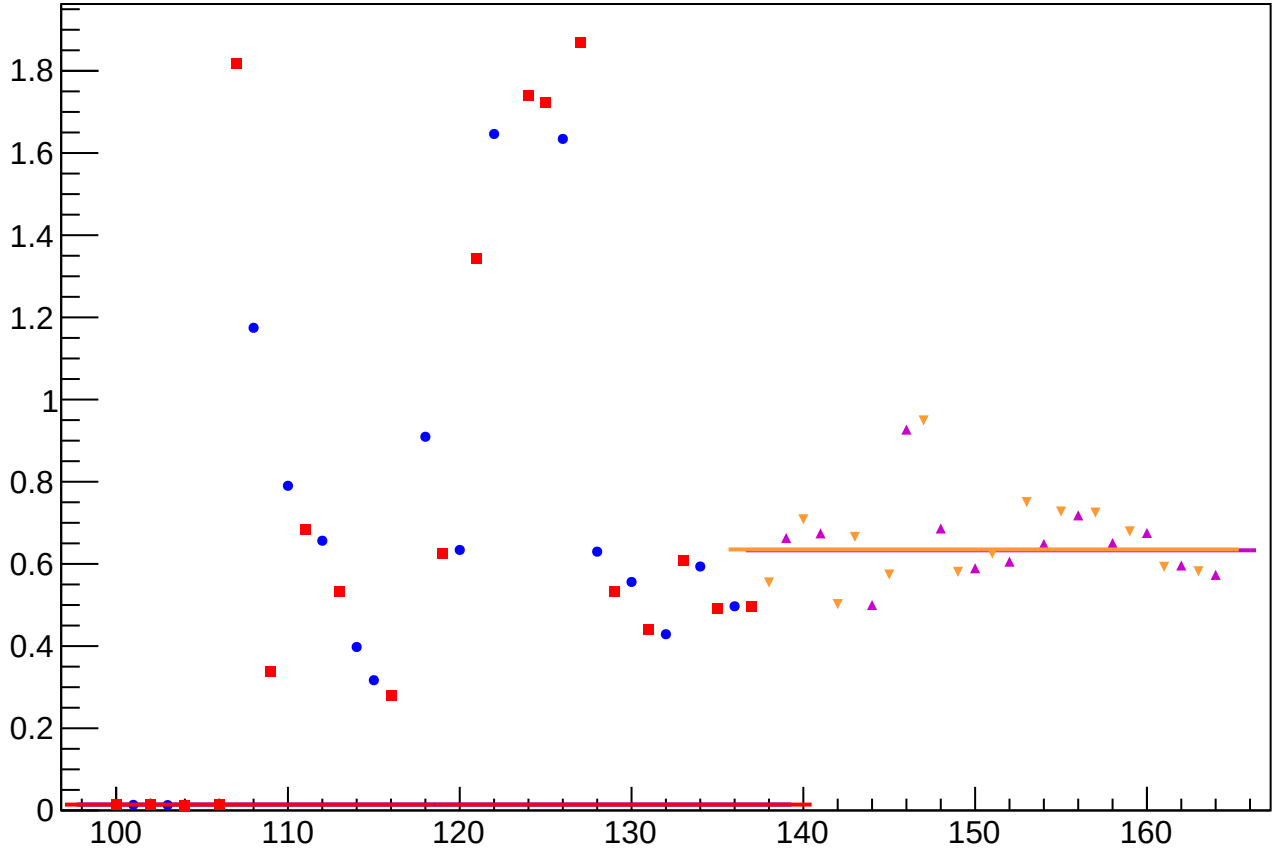
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 870.911+/-0.000 χ^2/NDF:16942745015472.4/2

Out: 871.017+/-0.000 χ^2/NDF:18907517528110.1

All: 870.968+/-0.000 χ^2/NDF: 358503059414

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.635+/-0.000 χ^2/NDF:299474.8/13

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.633+/-0.000 χ^2/NDF:243397.9/12

Left: 0.634+/-0.000 χ^2/NDF: 542953.4/26

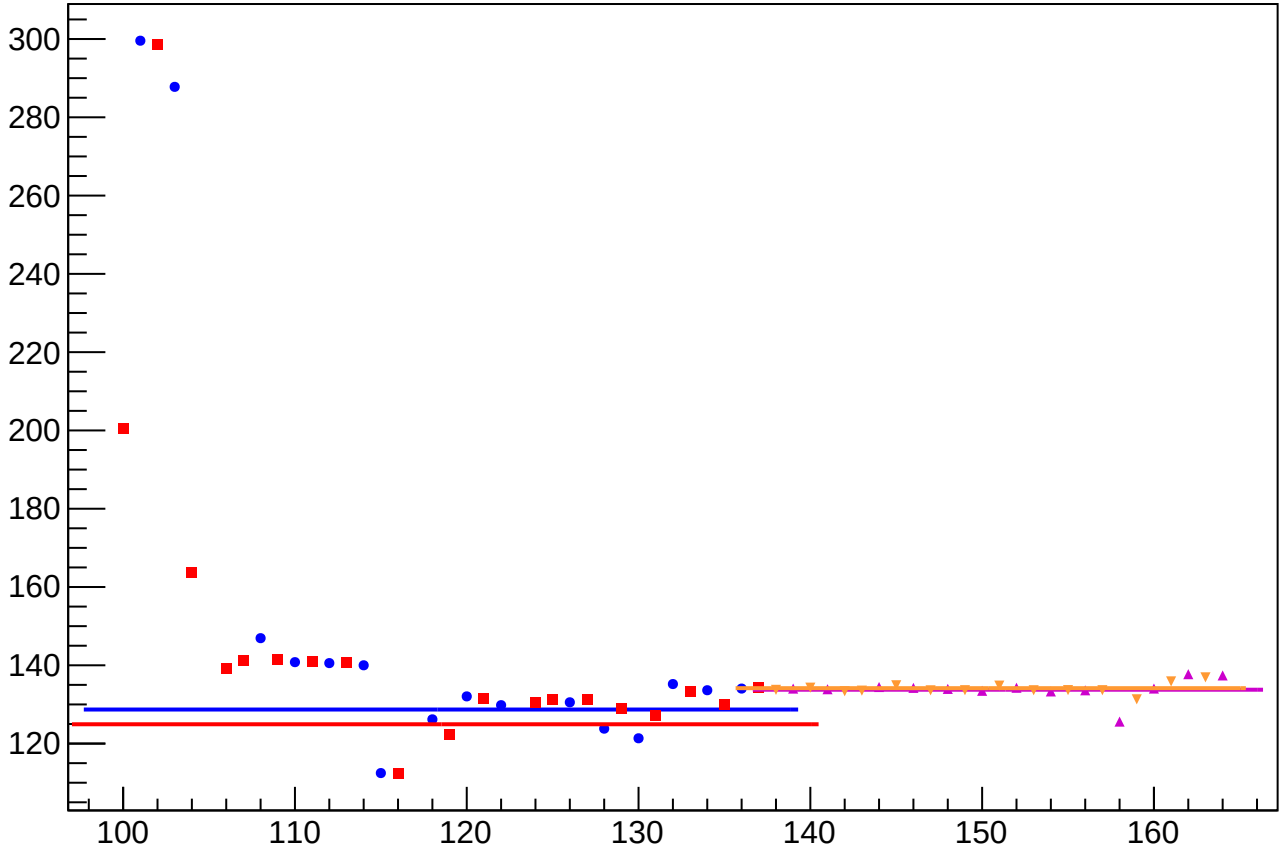
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.016+/-0.000 χ^2/NDF:24422760.3/28

Out: 0.016+/-0.000 χ^2/NDF:24382420.4/32

All: 0.016+/-0.000 χ^2/NDF: 48806132.5/61

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.156+/-0.000 χ^2/NDF:80140272.3/13

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 133.760+/-0.000 χ^2/NDF:358584209.9/12

Left: 133.964+/-0.000 χ^2/NDF: 442177216.7/26

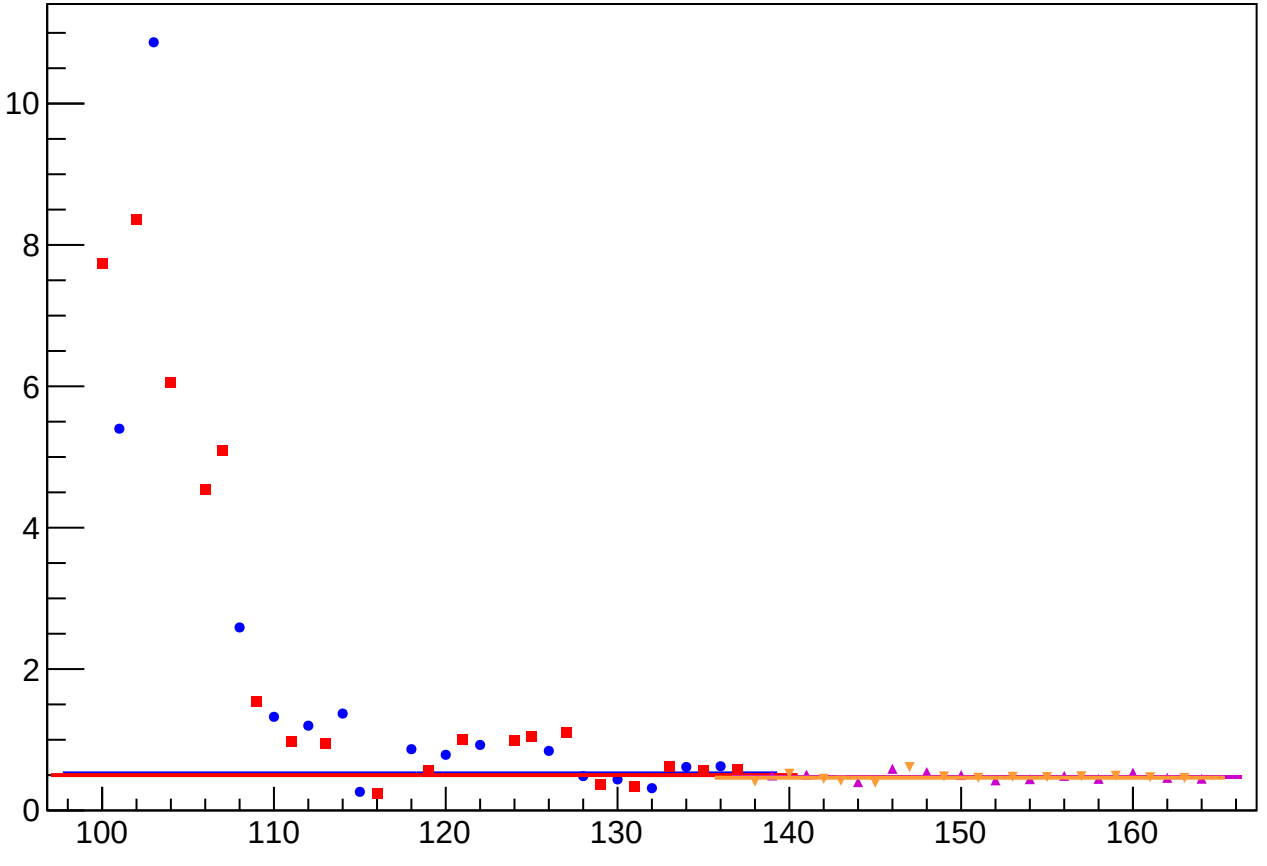
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.556+/-0.000 χ^2/NDF:2275504754.3/28

Out: 131.984+/-0.000 χ^2/NDF:2389888858.6/32

All: 132.262+/-0.000 χ^2/NDF: 4674874340.7

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.463+/-0.000 χ^2/NDF:195329.0/13

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.473+/-0.000 χ^2/NDF:214127.8/12

Left: 0.468+/-0.000 χ^2/NDF: 413699.8/26

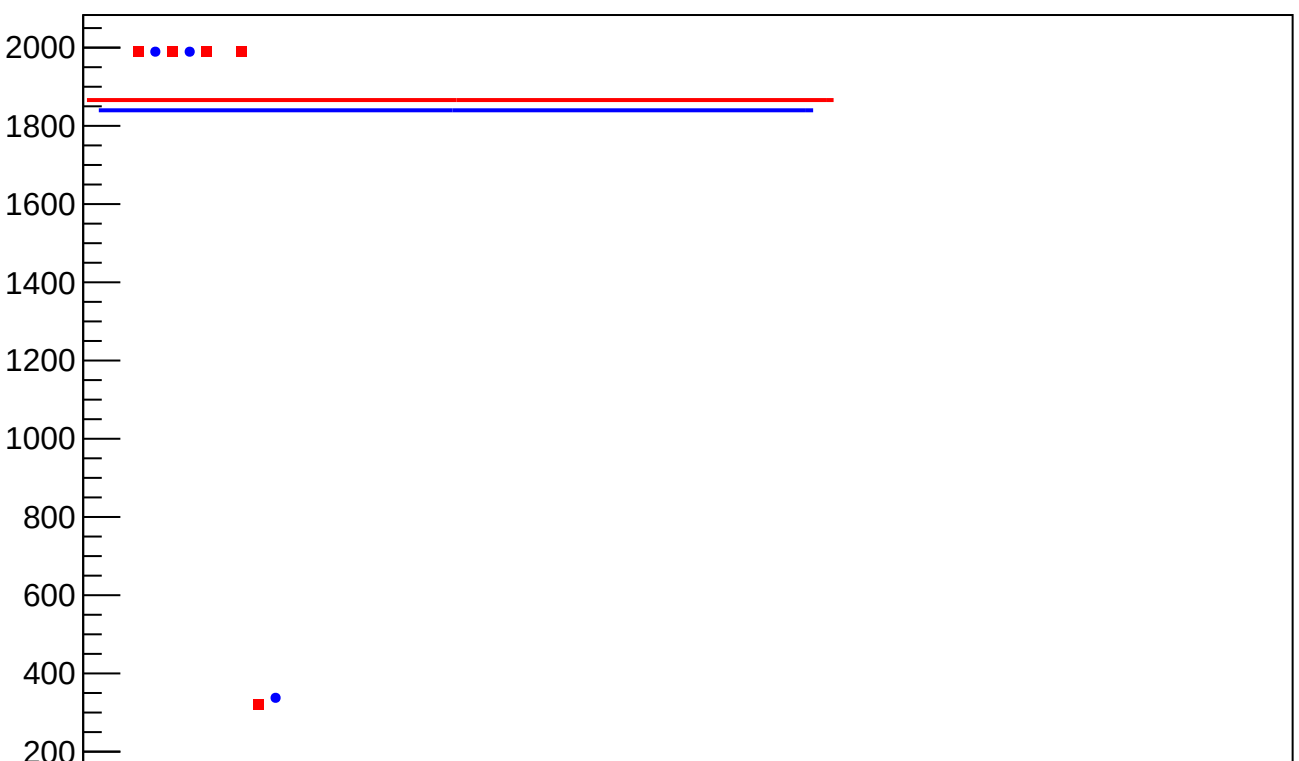
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.485+/-0.000 χ^2/NDF:4405339.8/28

Out: 0.472+/-0.000 χ^2/NDF:5109146.8/32

All: 0.478+/-0.000 χ^2/NDF: 9524493.0/61

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.375+/-0.000 χ^2/NDF:49391510.6/13

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.166+/-0.000 χ^2/NDF:225536109.9/12

Left: 137.275+/-0.000 χ^2/NDF: 276329257.4/26

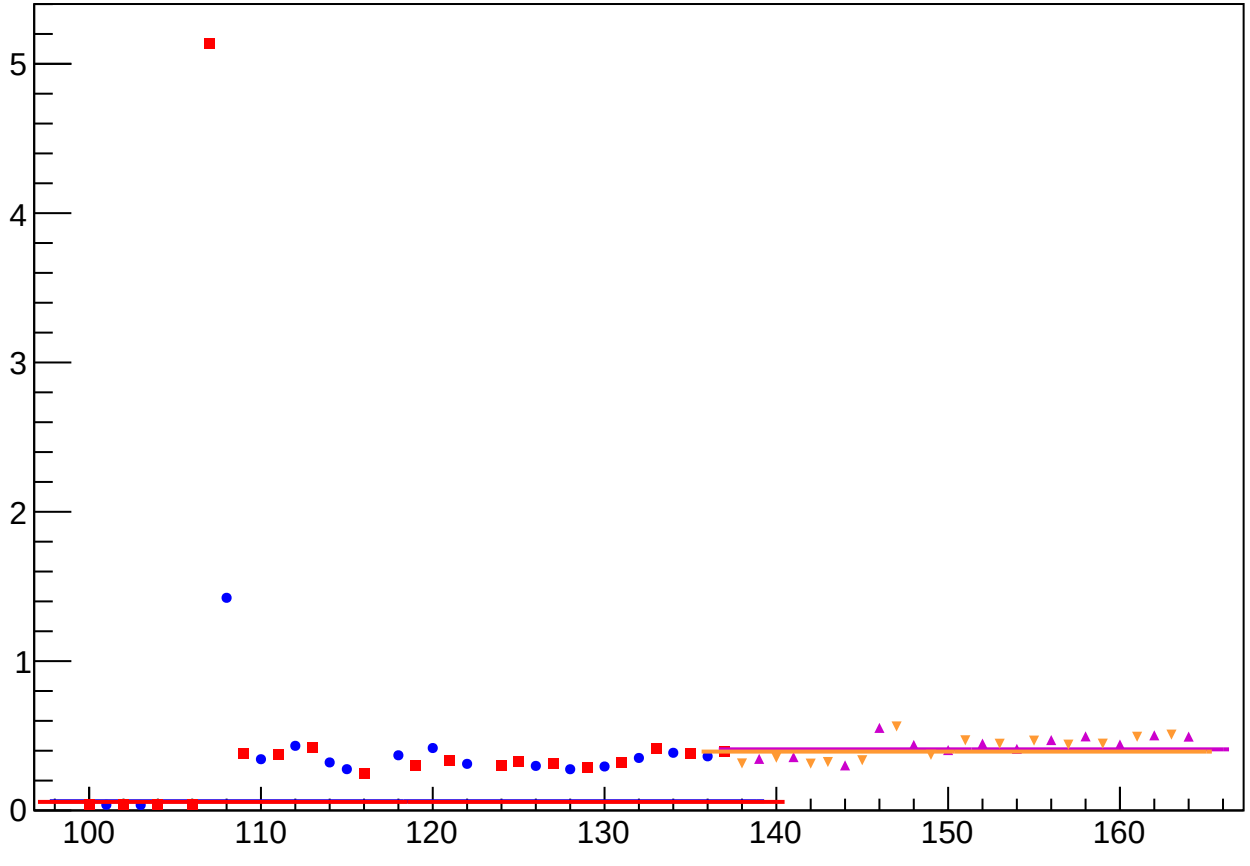
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1675.197+/-0.000 χ^2/NDF:305736197275837.

Out: 1708.099+/-0.000 χ^2/NDF:32449575309846

All: 1692.872+/-0.000 χ^2/NDF: 630599108

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.394+/-0.000 χ^2/NDF:726834.6/13

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.409+/-0.000 χ^2/NDF:622743.3/12

Left: 0.401+/-0.000 χ^2/NDF: 1364006.0/26

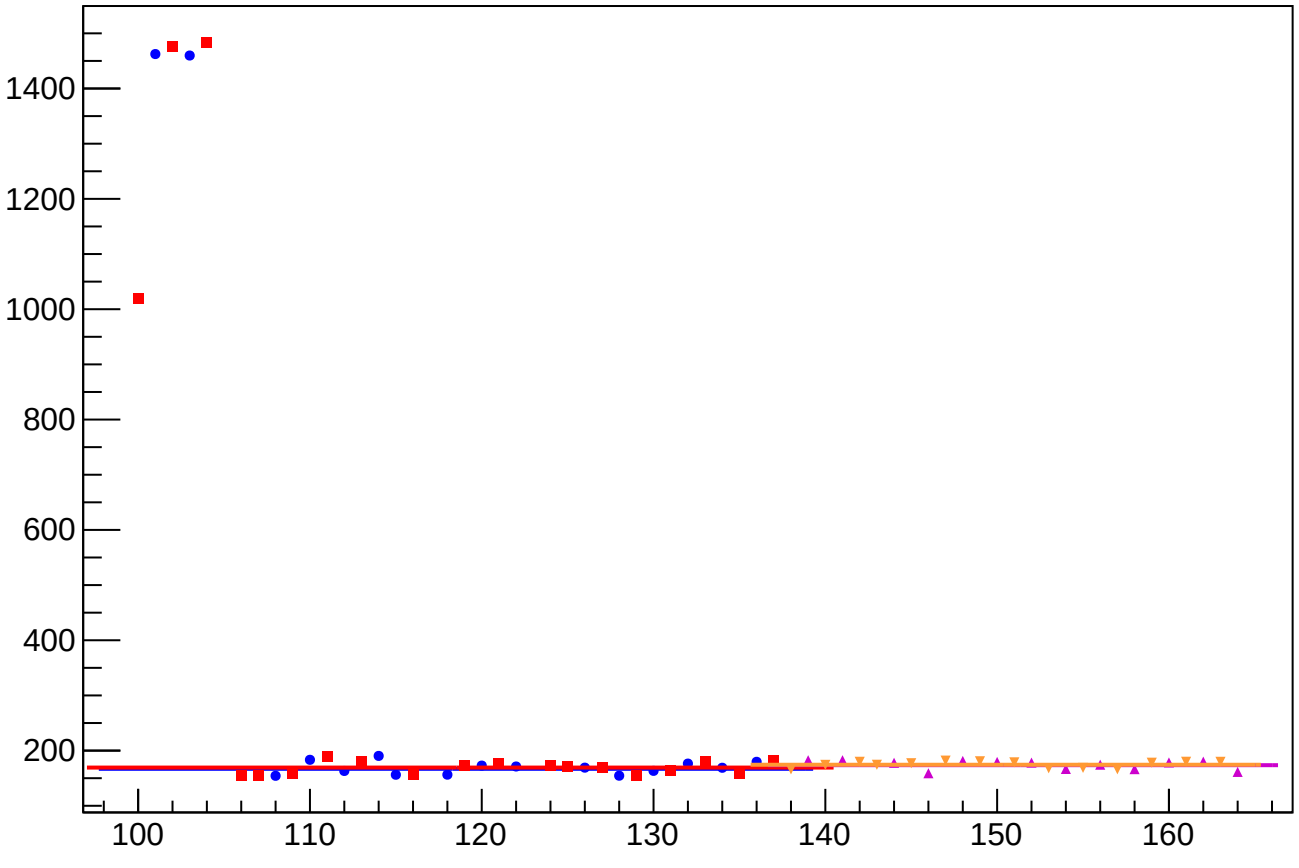
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.095+/-0.000 χ^2/NDF:22106191.2/28

Out: 0.088+/-0.000 χ^2/NDF:22273600.3/32

All: 0.091+/-0.000 χ^2/NDF: 44415968.9/61

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 174.359+/-0.000 χ^2/NDF:304461301.2/13

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 173.590+/-0.000 χ^2/NDF:643840116.0/12

Left: 173.973+/-0.000 χ^2/NDF: 951148991.4/26

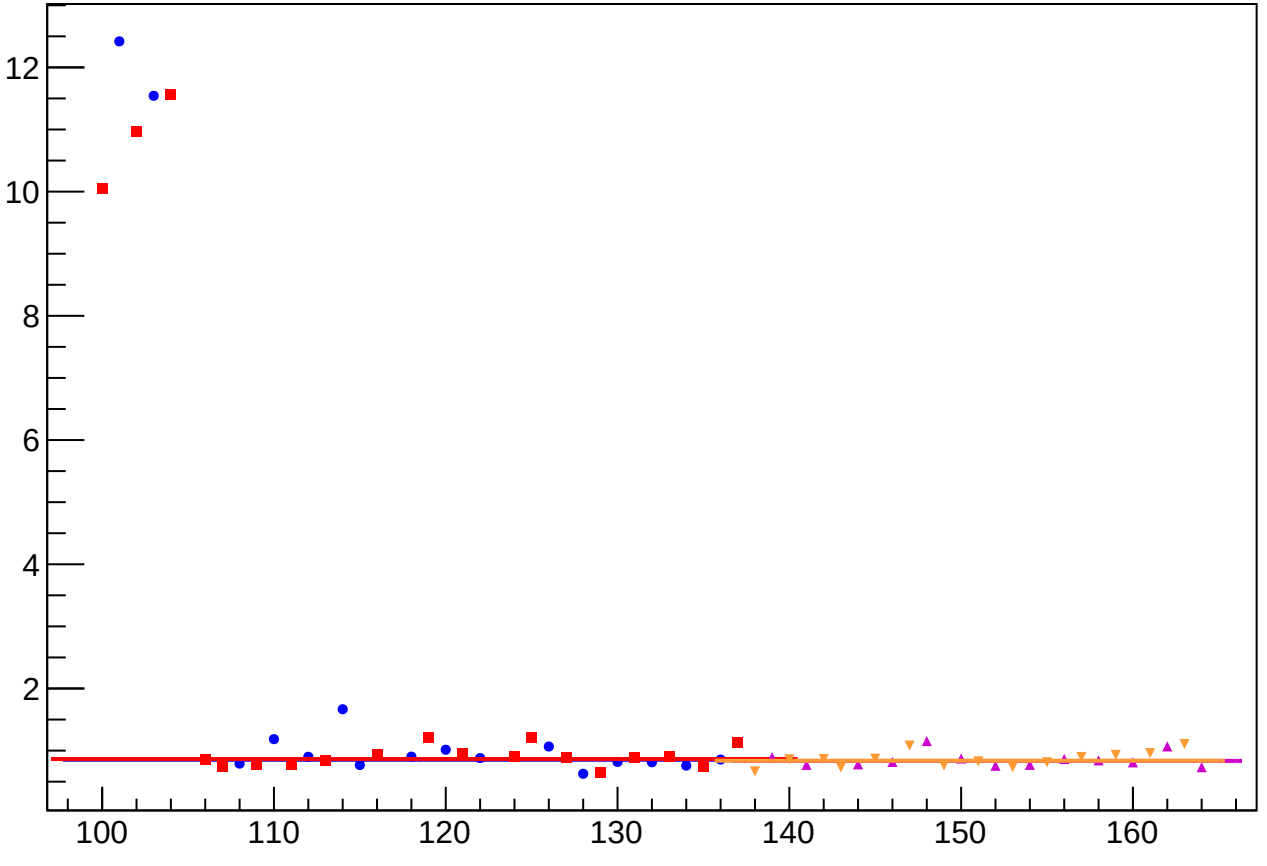
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 171.263+/-0.000 χ^2/NDF:15406604188.1/28

Out: 172.512+/-0.000 χ^2/NDF:16712471752.6/32

All: 171.889+/-0.000 χ^2/NDF: 32130780771.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.837+/-0.000 χ^2/NDF:261914.1/13

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.834+/-0.000 χ^2/NDF:195985.7/12

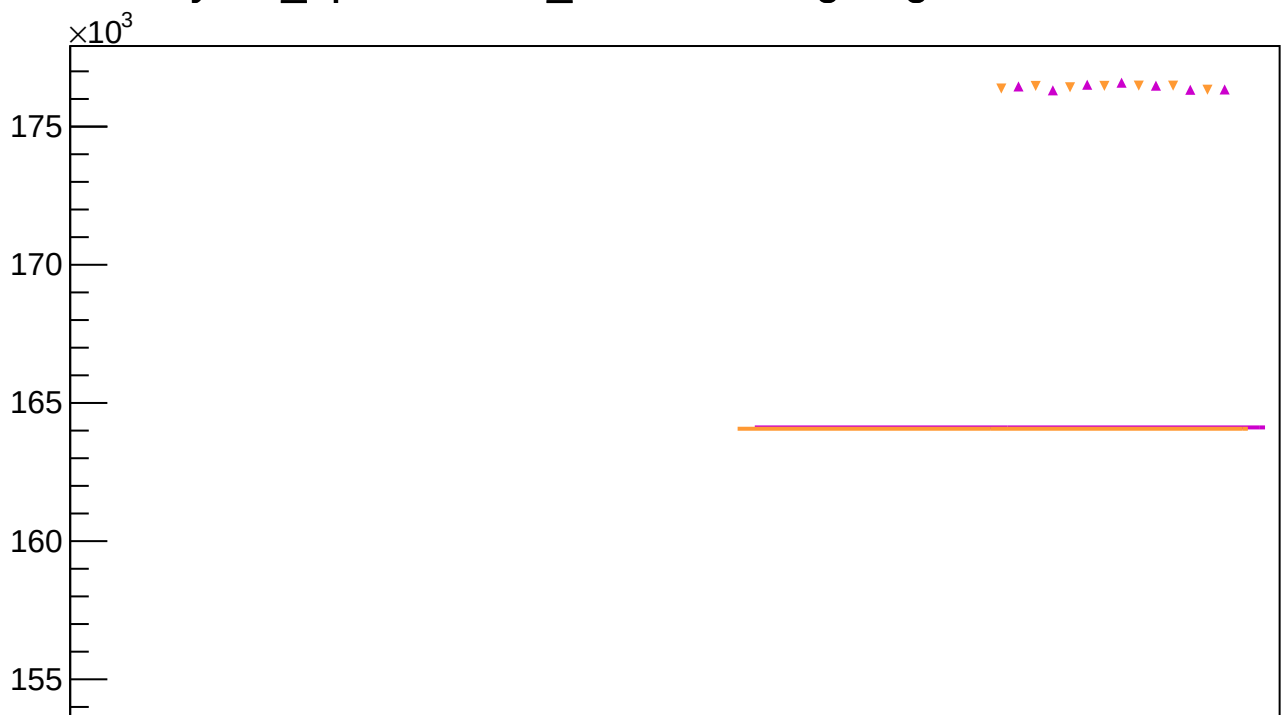
Left: 0.835+/-0.000 χ^2/NDF: 458006.8/26

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.841+/-0.000 χ^2/NDF:2500808.2/28

Out: 0.847+/-0.000 χ^2/NDF:2476293.7/32

All: 0.844+/-0.000 χ^2/NDF: 4977712.8/61



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 164067.149+/-0.055 χ^2/NDF:46739010078.6/13

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 164114.776+/-0.057 χ^2/NDF:43918022957.4/12

Left: 164090.135+/-0.040 χ^2/NDF: 90657392278.3

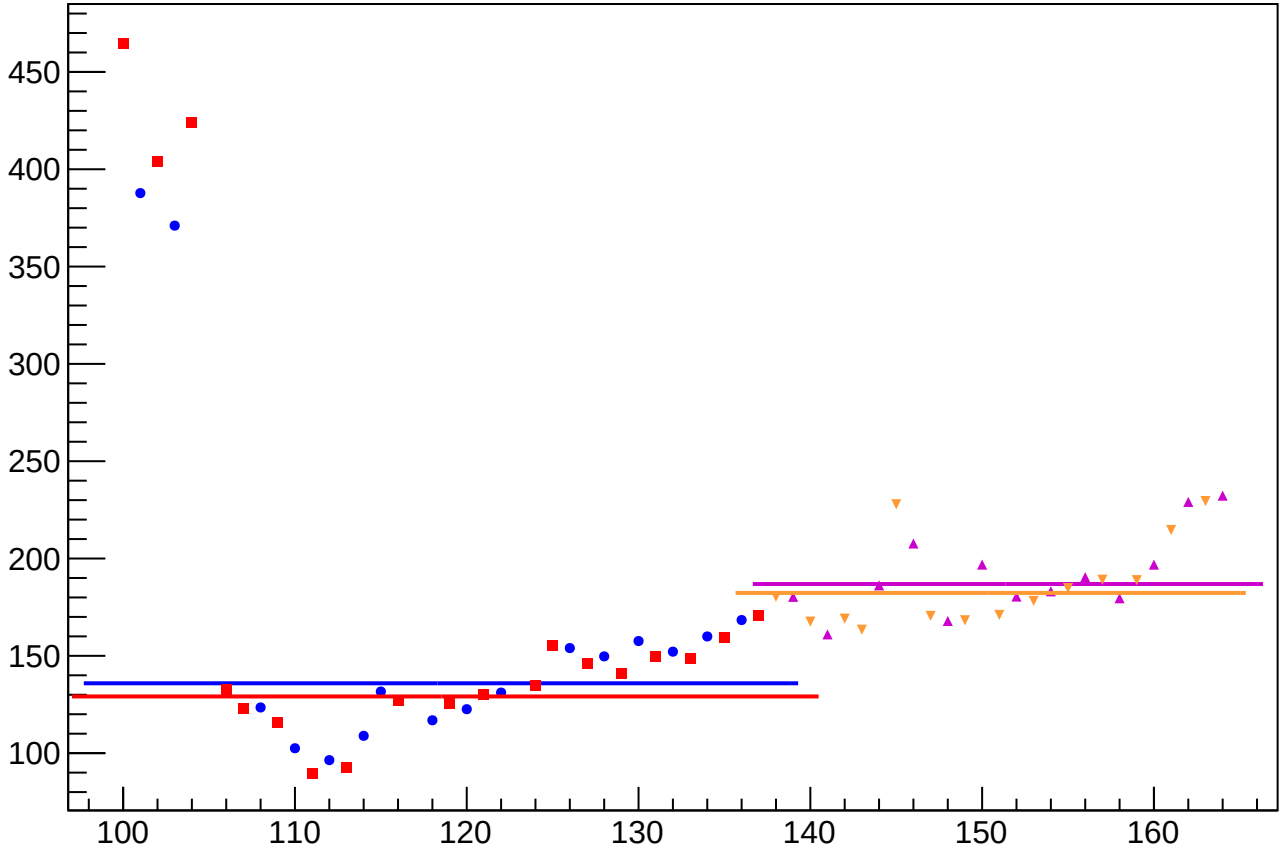
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 157033.423+/-0.039 χ^2/NDF:73519209307.9/2

Out: 156778.470+/-0.037 χ^2/NDF:79239914179.3

All: 156899.219+/-0.027 χ^2/NDF: 15278107

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 182.327+/-0.039 χ^2/NDF:244000.7/13

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 186.904+/-0.040 χ^2/NDF:200647.2/12

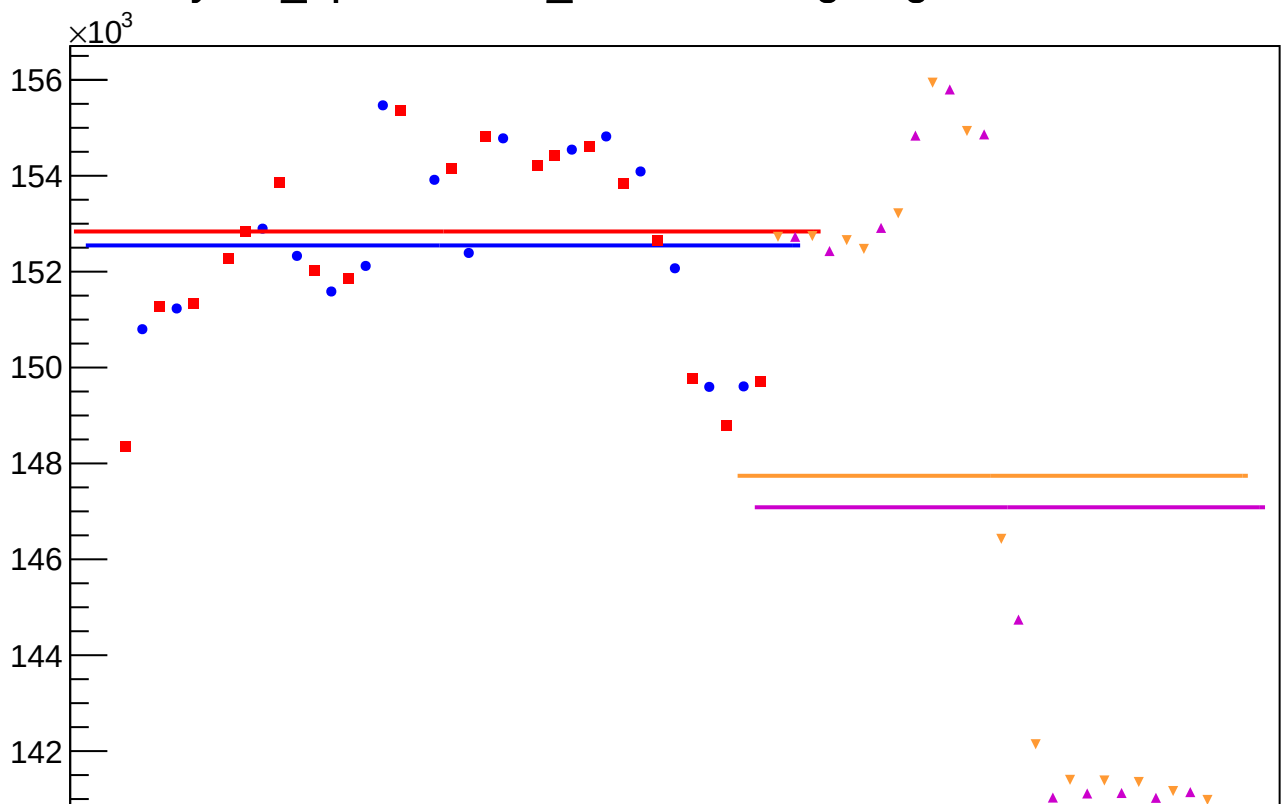
Left: 184.536+/-0.028 χ^2/NDF: 451283.1/26

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 160.239+/-0.028 χ^2/NDF:2449682.3/28

Out: 153.618+/-0.026 χ^2/NDF:2860678.0/32

All: 156.754+/-0.019 χ^2/NDF: 5339966.1/61



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147742.332+/-0.061 χ^2/NDF:8890848058.1/13

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 147085.466+/-0.062 χ^2/NDF:9557098224.0/12

Left: 147420.895+/-0.044 χ^2/NDF: 18504849004.2

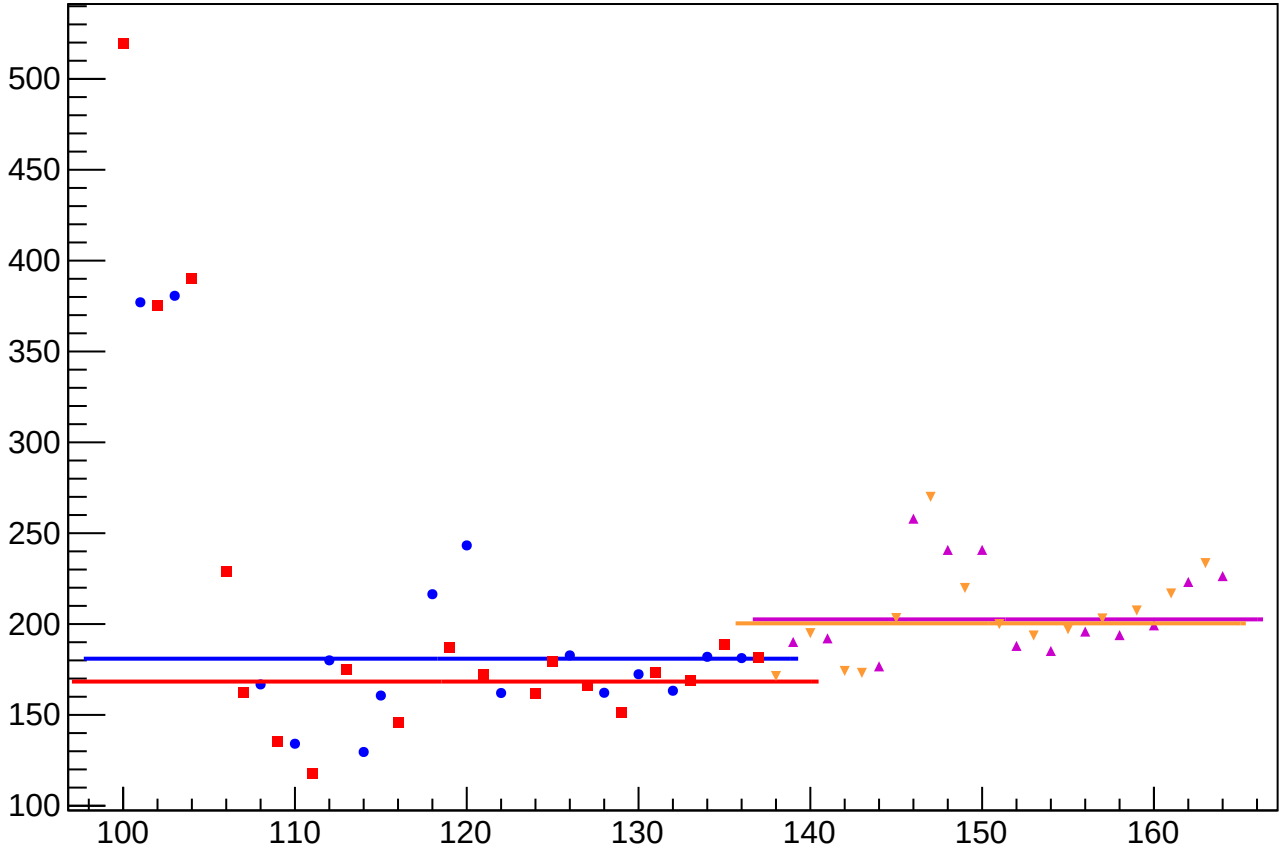
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0

In: 149397.874+/-0.047 χ^2/NDF:13473209087.6/2

Out: 150061.085+/-0.045 χ^2/NDF:12811997388.9

All: 149745.890+/-0.033 χ^2/NDF: 26388586

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 200.379+/-0.043 χ^2/NDF:272765.0/13

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.574+/-0.044 χ^2/NDF:274087.0/12

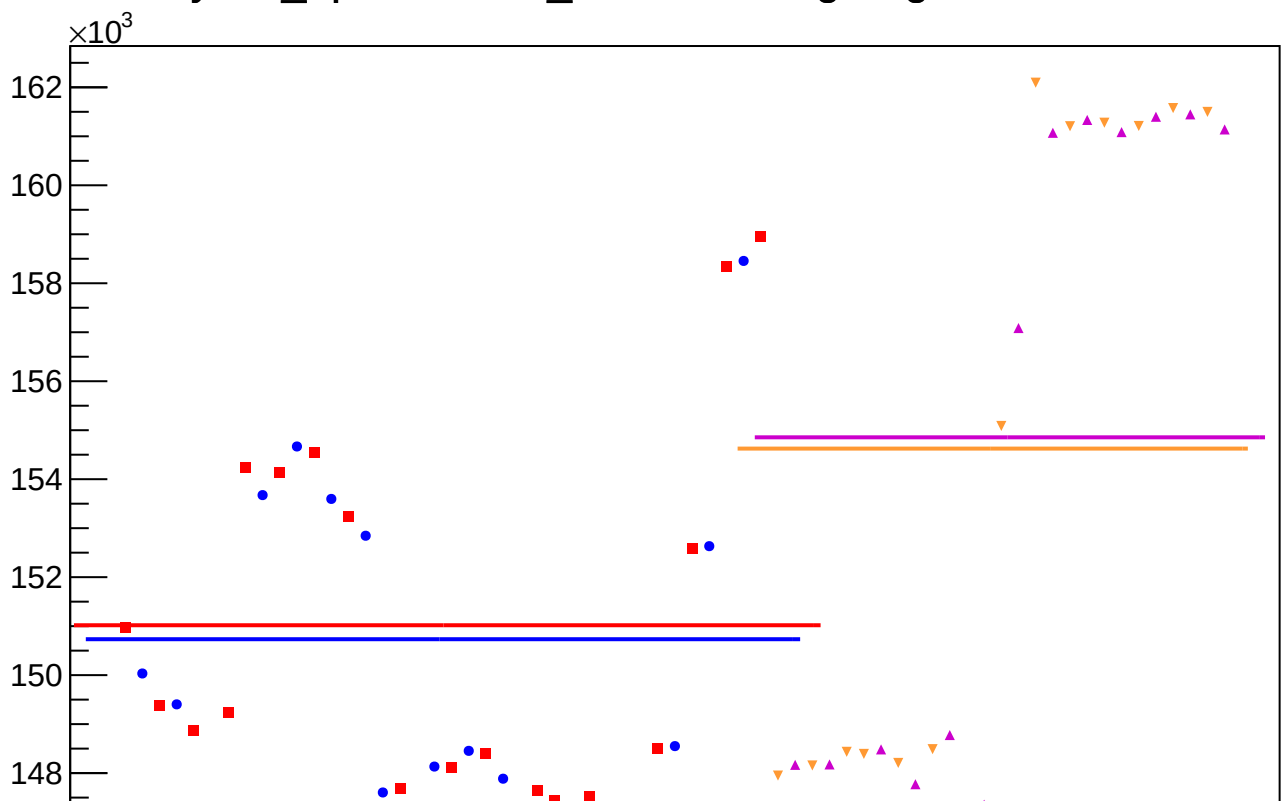
Left: 201.454+/-0.031 χ^2/NDF: 548122.7/26

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 193.414+/-0.033 χ^2/NDF:1284220.4/28

Out: 185.804+/-0.032 χ^2/NDF:1613492.9/32

All: 189.420+/-0.023 χ^2/NDF: 2924933.6/61



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 154624.811+/-0.058 χ^2/NDF:12027422164.8/13

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 154854.741+/-0.061 χ^2/NDF:10786712318.8/12

Left: 154735.734+/-0.042 χ^2/NDF: 22821598827.1

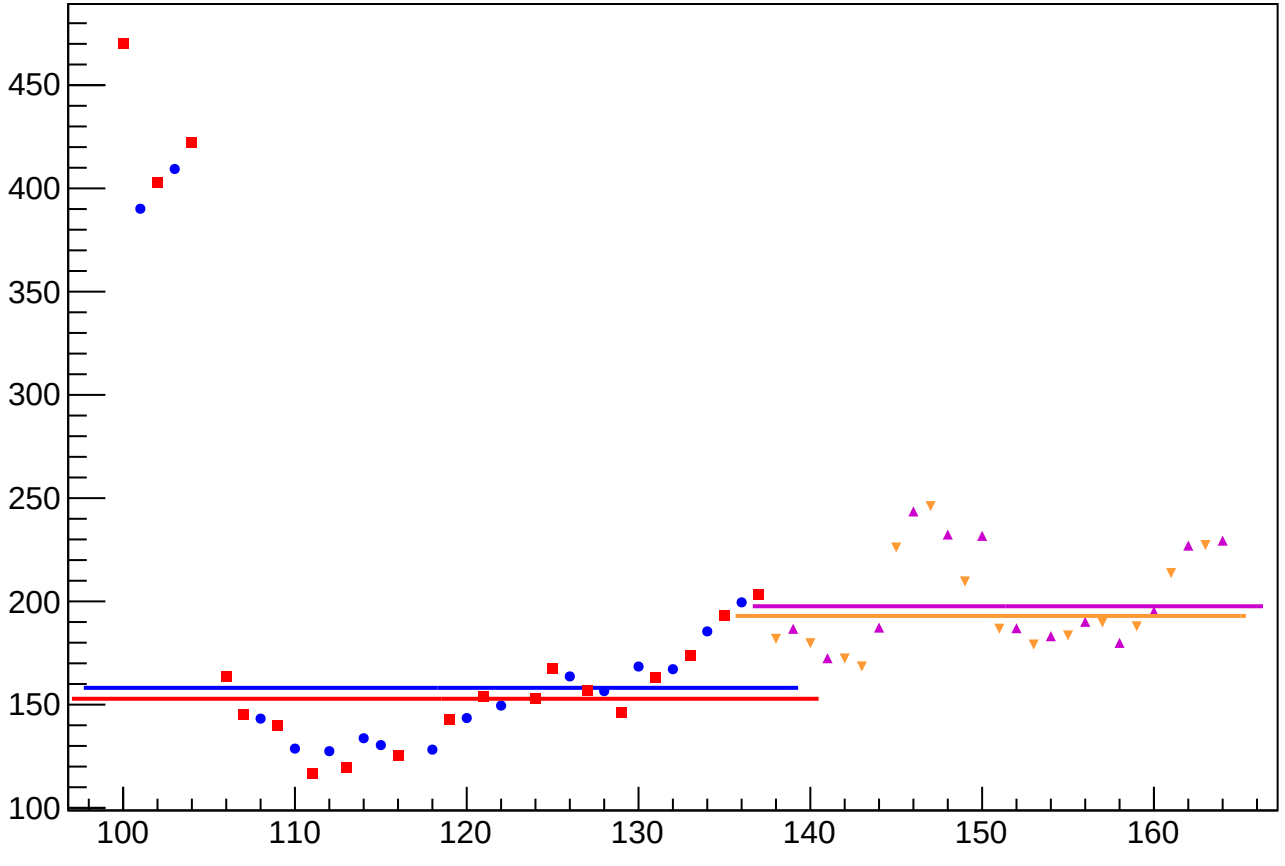
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 152872.531+/-0.044 χ^2/NDF:16299116218.9/2

Out: 152870.387+/-0.042 χ^2/NDF:17165249486.1

All: 152871.416+/-0.030 χ^2/NDF: 33464366

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 192.958+/-0.041 χ^2/NDF:253019.7/13

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 197.643+/-0.043 χ^2/NDF:271707.5/12

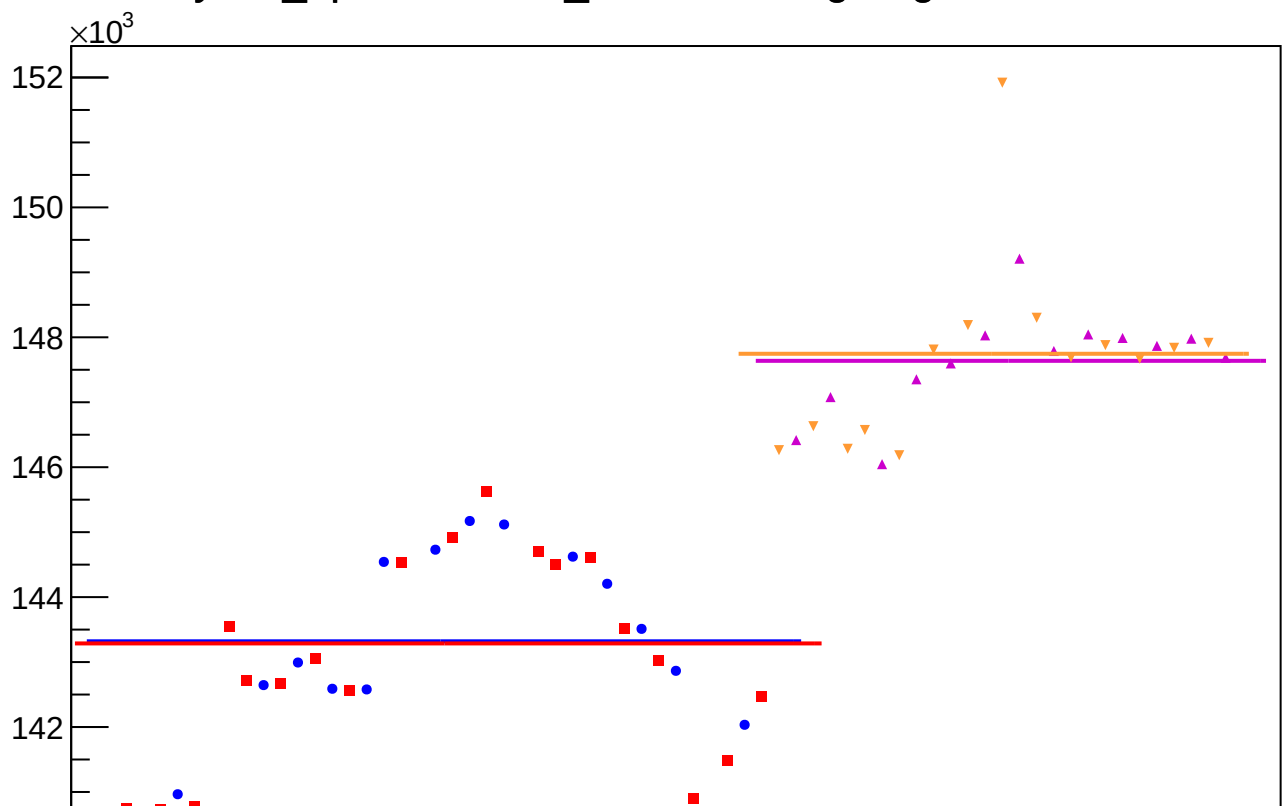
Left: 195.218+/-0.030 χ^2/NDF: 530925.9/26

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 178.643+/-0.031 χ^2/NDF:1876915.2/28

Out: 173.441+/-0.030 χ^2/NDF:1975524.0/32

All: 175.937+/-0.021 χ^2/NDF: 3867234.1/61



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147746.370+/-0.055 χ^2/NDF:670267127.5/13

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147637.746+/-0.057 χ^2/NDF:199198233.9/12

Left: 147693.762+/-0.040 χ^2/NDF: 871344733.0/26

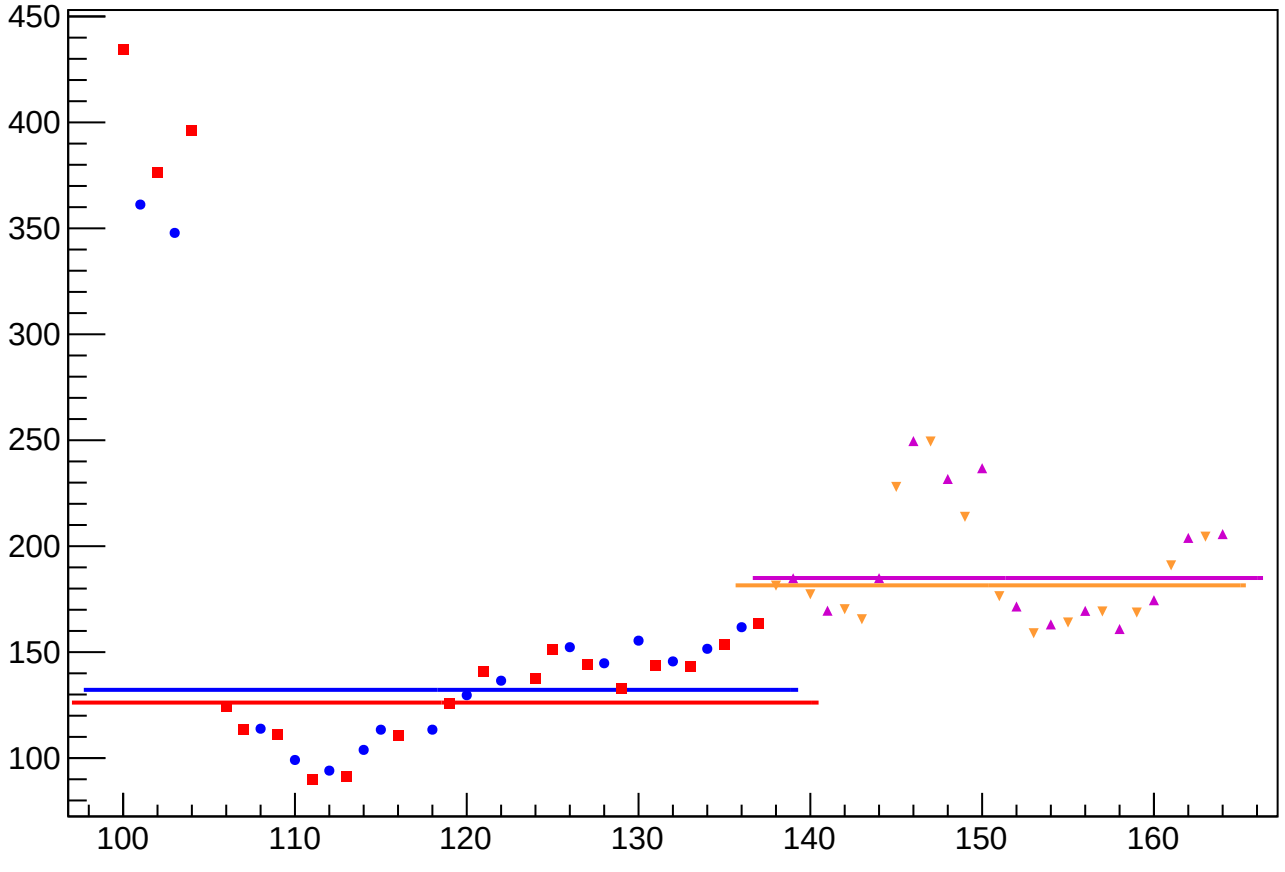
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145330.676+/-0.039 χ^2/NDF:3835469622.6/28

Out: 145286.093+/-0.037 χ^2/NDF:4898957391.0/3

All: 145307.261+/-0.027 χ^2/NDF: 87351193

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 181.520+/-0.039 χ^2/NDF:341184.1/13

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 184.983+/-0.040 χ^2/NDF:408916.8/12

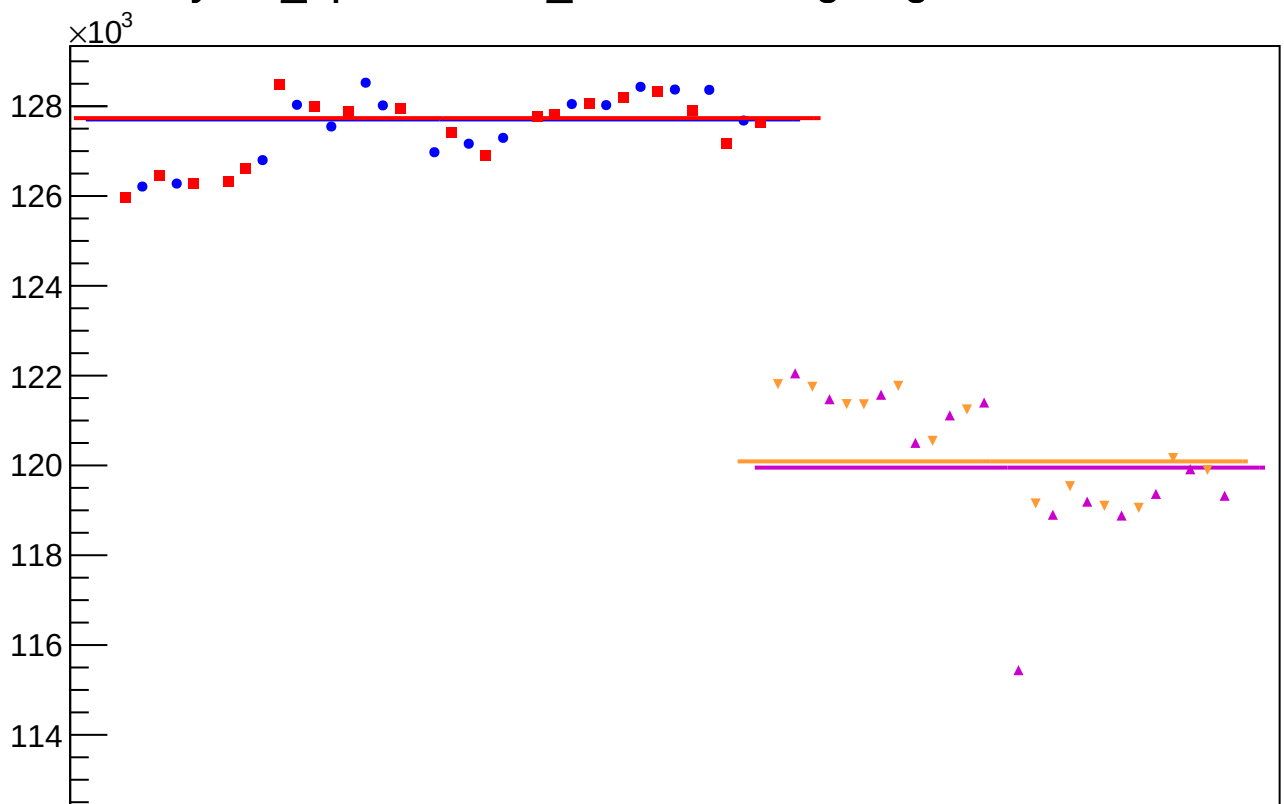
Left: 183.197+/-0.028 χ^2/NDF: 753921.4/26

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 156.784+/-0.027 χ^2/NDF:2707444.7/28

Out: 150.995+/-0.026 χ^2/NDF:2997080.2/32

All: 153.744+/-0.019 χ^2/NDF: 5727875.5/61



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120090.104+/-0.054 χ^2/NDF:1751805410.1/13

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119951.337+/-0.053 χ^2/NDF:1149216675.7/12

Left: 120019.851+/-0.038 χ^2/NDF: 2904354093.4/2

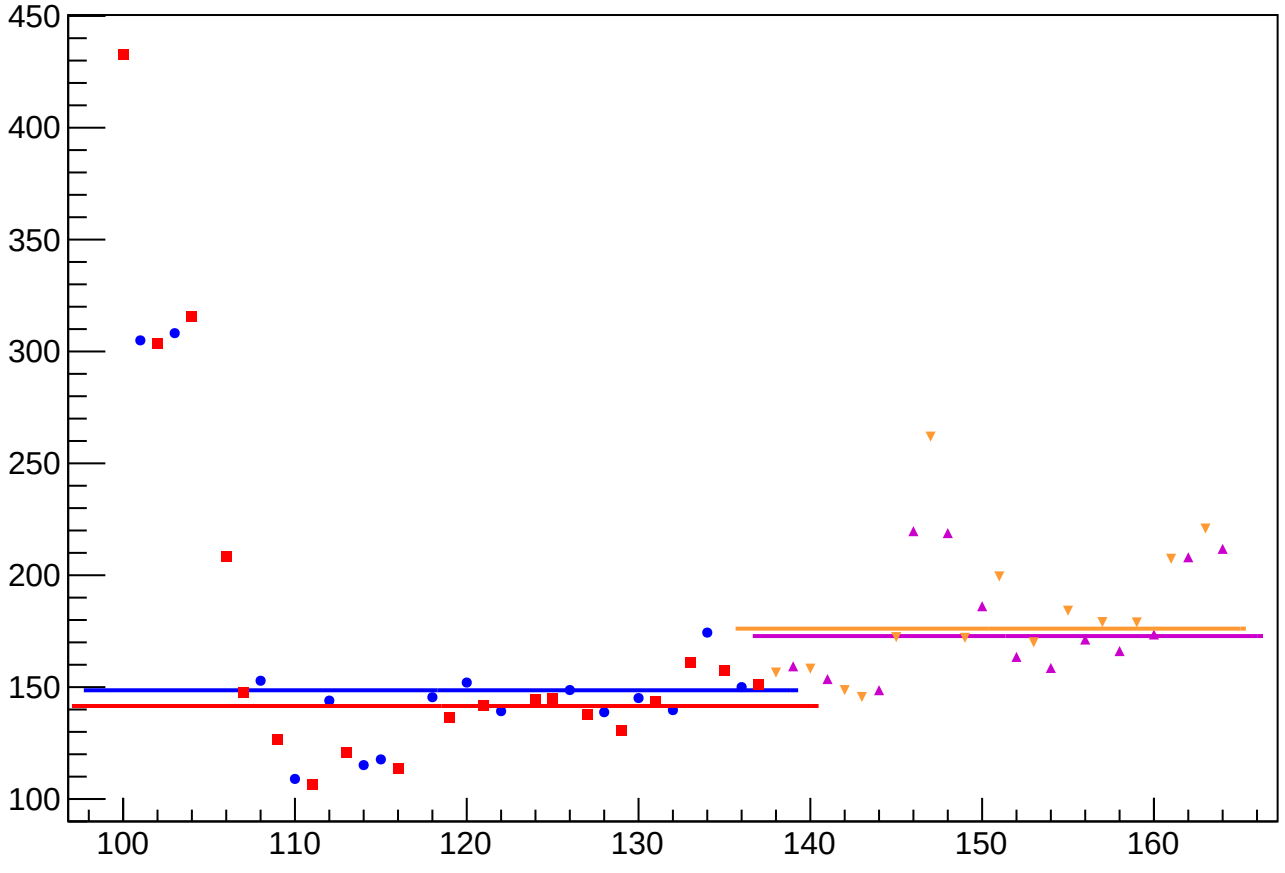
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 123482.370+/-0.039 χ^2/NDF:10848987048.1/2

Out: 123854.650+/-0.039 χ^2/NDF:11697118938.5

All: 123672.737+/-0.028 χ^2/NDF: 22591711

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 176.141+/-0.038 χ^2/NDF:450228.8/13

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 172.819+/-0.038 χ^2/NDF:351252.2/12

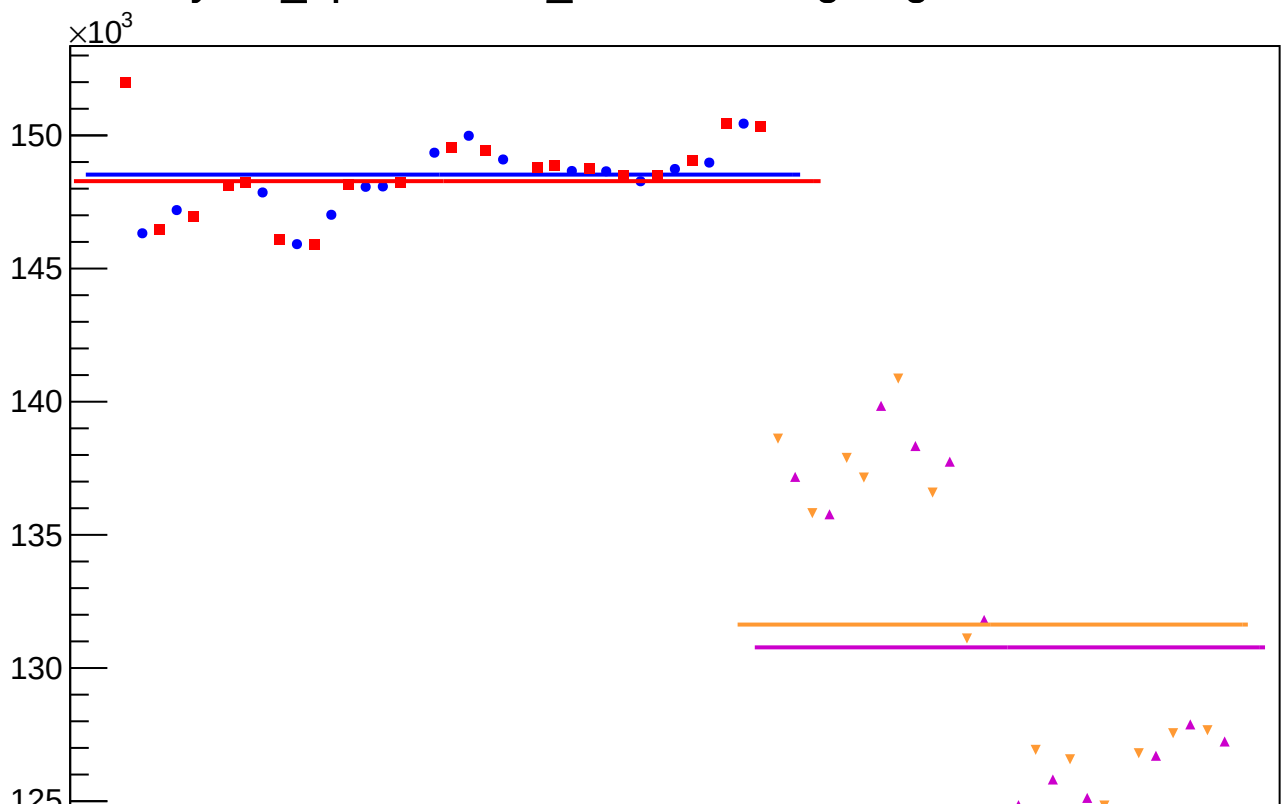
Left: 174.459+/-0.027 χ^2/NDF: 805300.7/26

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 161.787+/-0.028 χ^2/NDF:1366284.1/28

Out: 159.113+/-0.027 χ^2/NDF:1853941.5/32

All: 160.419+/-0.019 χ^2/NDF: 3224930.4/61



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 131631.696+/-0.078 χ^2/NDF:5013179808.9/13

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 130775.614+/-0.078 χ^2/NDF:5408247542.4/12

Left: 131201.810+/-0.055 χ^2/NDF: 10482040379.4

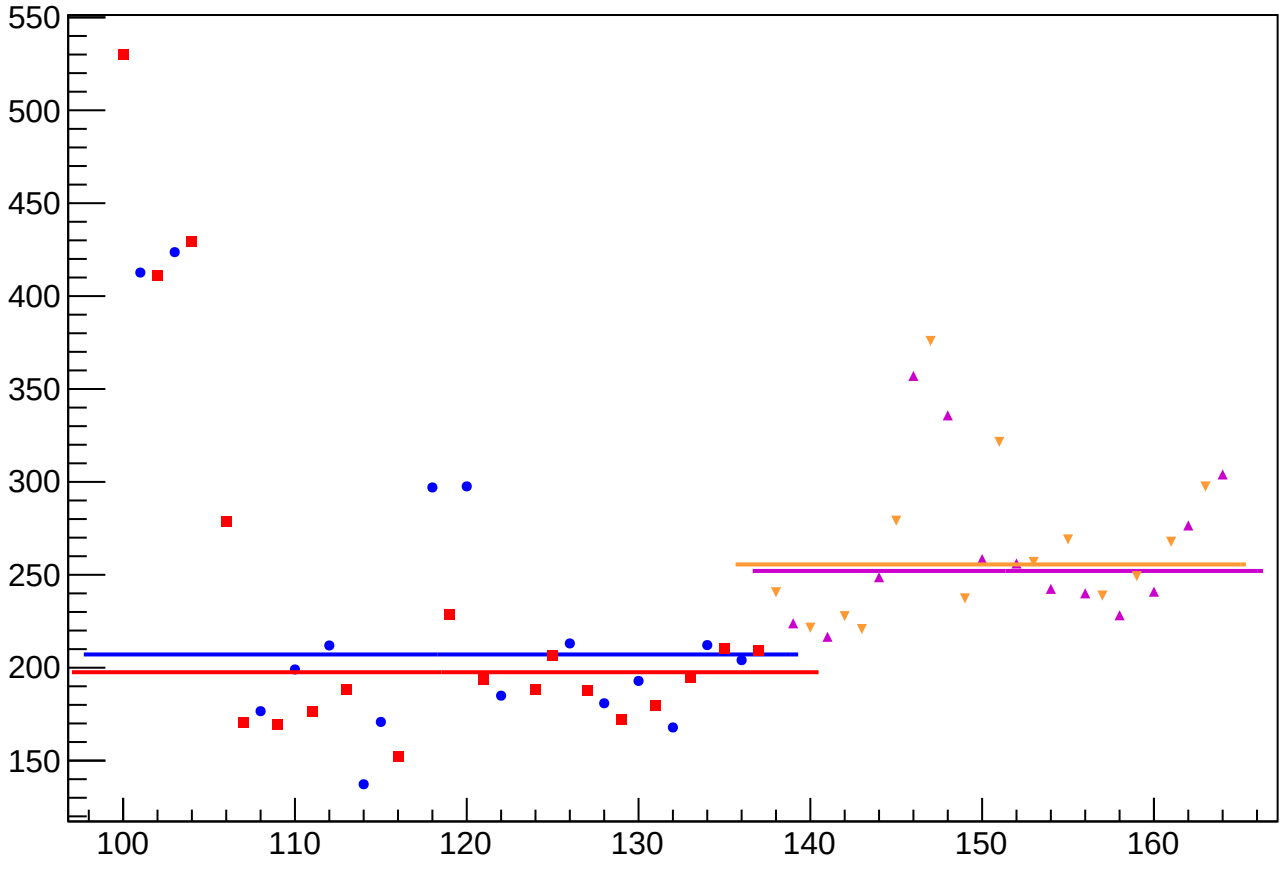
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 139167.399+/-0.056 χ^2/NDF:30365658116.8/2

Out: 140098.556+/-0.055 χ^2/NDF:28526726284.5

All: 139647.329+/-0.039 χ^2/NDF: 59033183

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 255.573+/-0.055 χ^2/NDF:402404.5/13

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 252.081+/-0.055 χ^2/NDF:402813.6/12

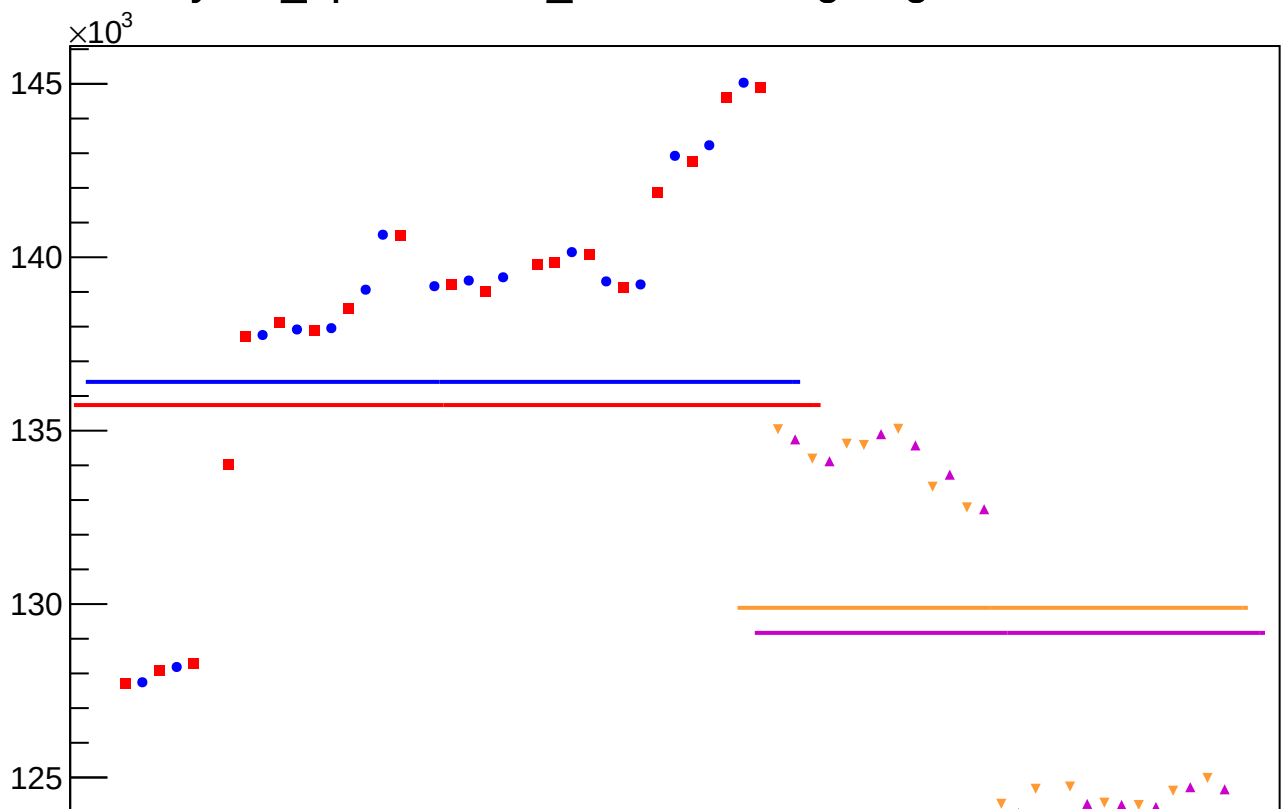
Left: 253.819+/-0.039 χ^2/NDF: 807236.0/26

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 230.834+/-0.040 χ^2/NDF:1692316.4/28

Out: 226.079+/-0.039 χ^2/NDF:1869933.4/32

All: 228.383+/-0.028 χ^2/NDF: 3569593.8/61



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 129892.447+/-0.180 χ^2/NDF:759532191.8/13

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 129169.046+/-0.186 χ^2/NDF:728402984.5/12

Left: 129541.477+/-0.129 χ^2/NDF: 1495758536.4/2

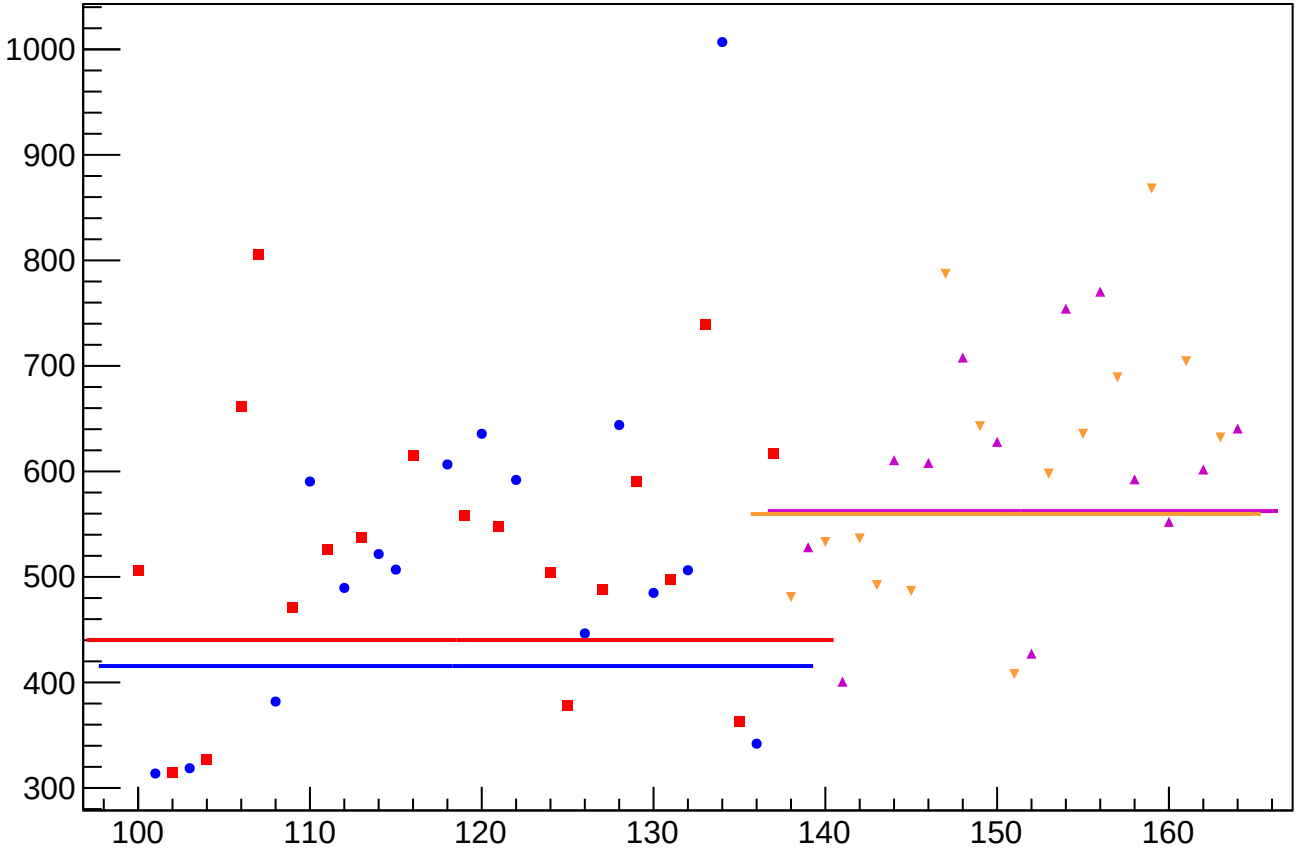
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 133134.571+/-0.125 χ^2/NDF:3138925091.2/28

Out: 132872.372+/-0.126 χ^2/NDF:2470446164.6/3

All: 133004.890+/-0.089 χ^2/NDF: 56115551

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 559.699+/-0.127 χ^2/NDF:795206.6/13

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 562.435+/-0.131 χ^2/NDF:701705.0/12

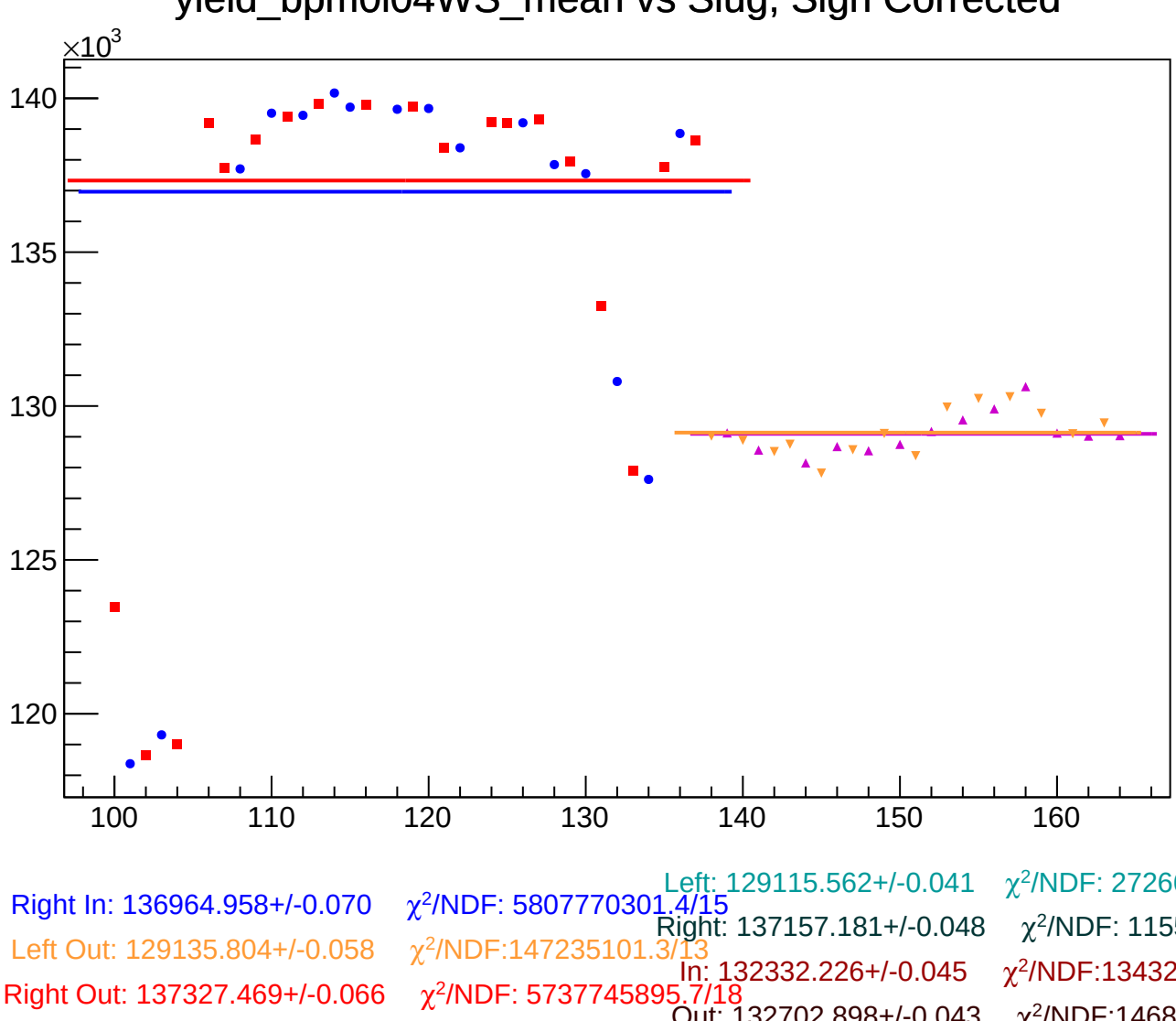
Left: 561.027+/-0.091 χ^2/NDF: 1497135.5/26

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

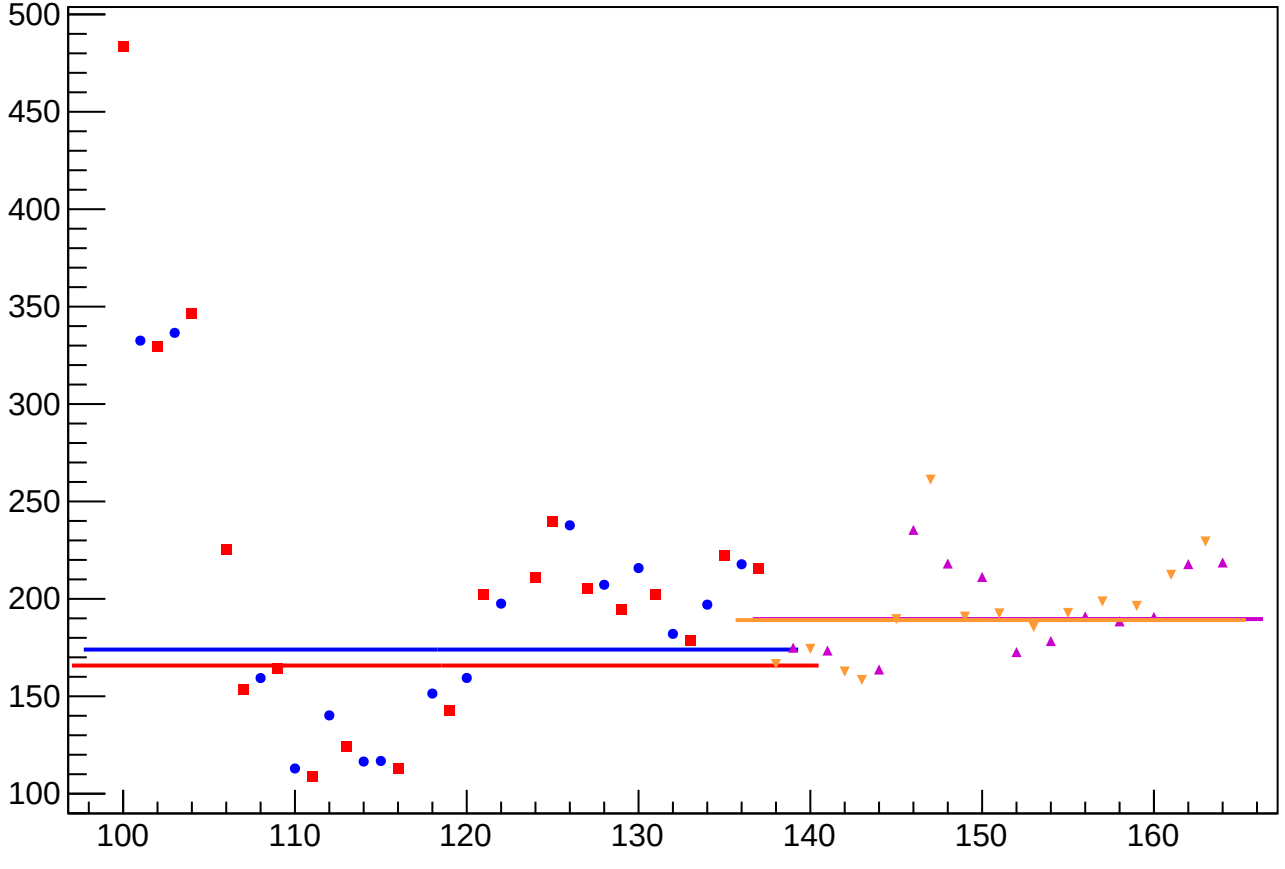
In: 481.957+/-0.088 χ^2/NDF:2419833.2/28

Out: 498.795+/-0.089 χ^2/NDF:2154457.5/32

All: 490.285+/-0.063 χ^2/NDF: 4592301.4/61


yield_bpm0l04WS_mean vs Slug, Sign Corrected
×10^3
140
135
130
125
120
100
110
120
130
140
150
160
Right In: 136964.958+/-0.070 χ²/NDF: 5807770301.4/15
Left Out: 129135.804+/-0.058 χ²/NDF:147235101.3/13
Right Out: 137327.469+/-0.066 χ²/NDF: 5737745895.7/18
Left In: 129094.862+/-0.058 χ²/NDF:125179948.0/12
Left: 129115.562+/-0.041 χ²/NDF: 272664504.5/26
Right: 137157.181+/-0.048 χ²/NDF: 1155984872
In: 132332.226+/-0.045 χ²/NDF:13432085344.7/2
Out: 132702.898+/-0.043 χ²/NDF:14680492855.7
All: 132523.512+/-0.031 χ²/NDF: 28148031

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 189.116+/-0.041 χ^2/NDF:324802.7/13

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 189.635+/-0.041 χ^2/NDF:254073.2/12

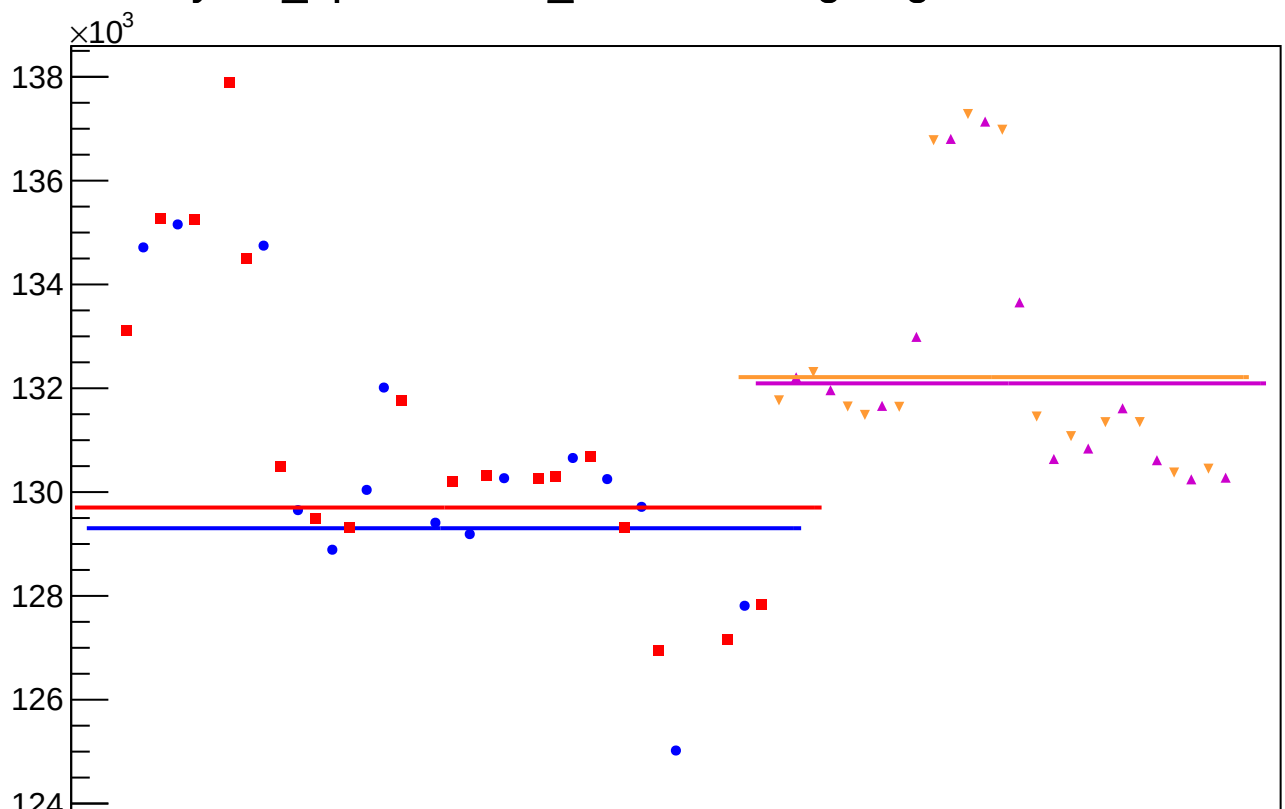
Left: 189.372+/-0.029 χ^2/NDF: 578955.9/26

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 183.196+/-0.032 χ^2/NDF:1501895.0/28

Out: 178.954+/-0.031 χ^2/NDF:1900715.1/32

All: 181.007+/-0.022 χ^2/NDF: 3411894.2/61



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132214.804+/-0.058 χ^2/NDF:1215234274.3/13

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 132094.457+/-0.059 χ^2/NDF:987767192.5/12

Left: 132155.114+/-0.041 χ^2/NDF: 2205120851.8/2

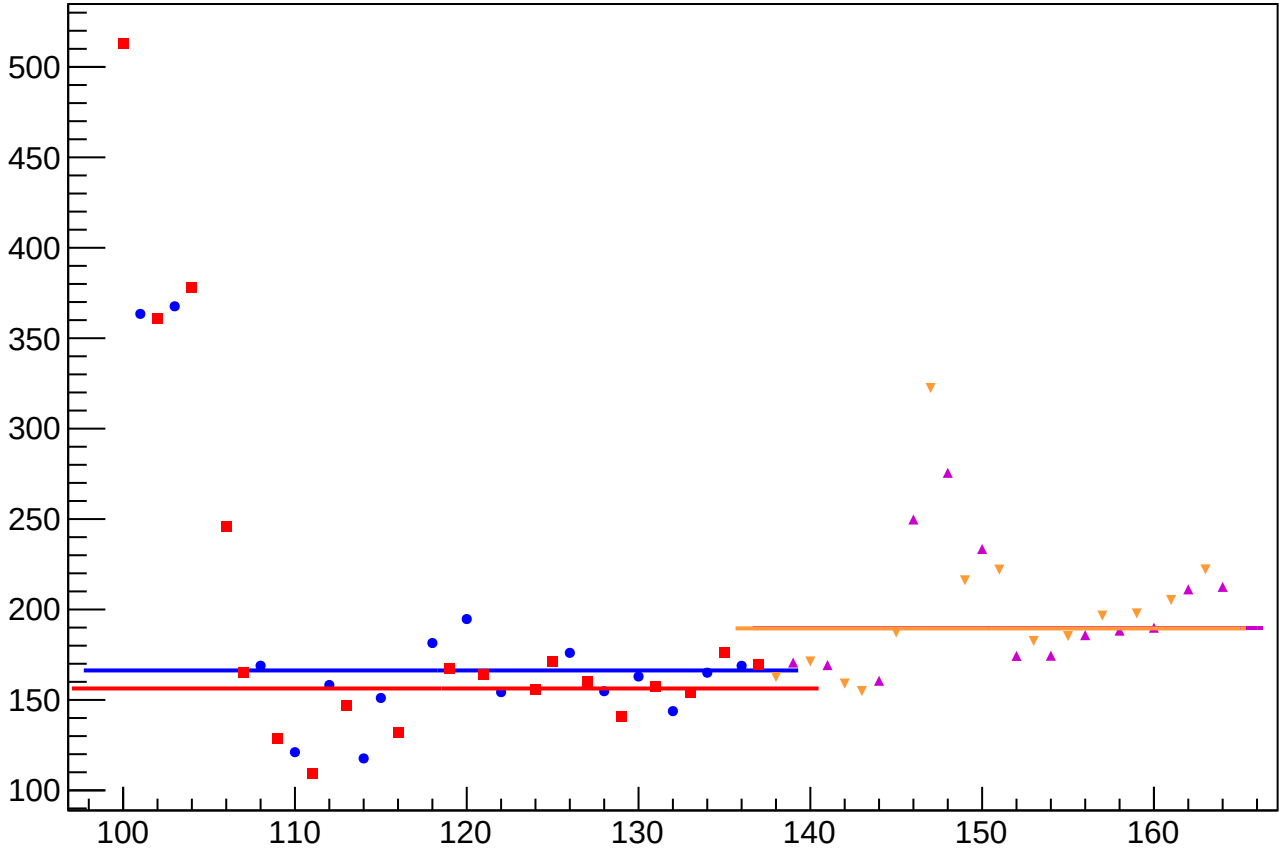
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130866.444+/-0.044 χ^2/NDF:3632941963.3/28

Out: 131028.360+/-0.042 χ^2/NDF:3872352919.2/3

All: 130950.448+/-0.030 χ^2/NDF: 751234752

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 189.555+/-0.041 χ^2/NDF:559866.4/13

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 189.751+/-0.041 χ^2/NDF:480612.1/12

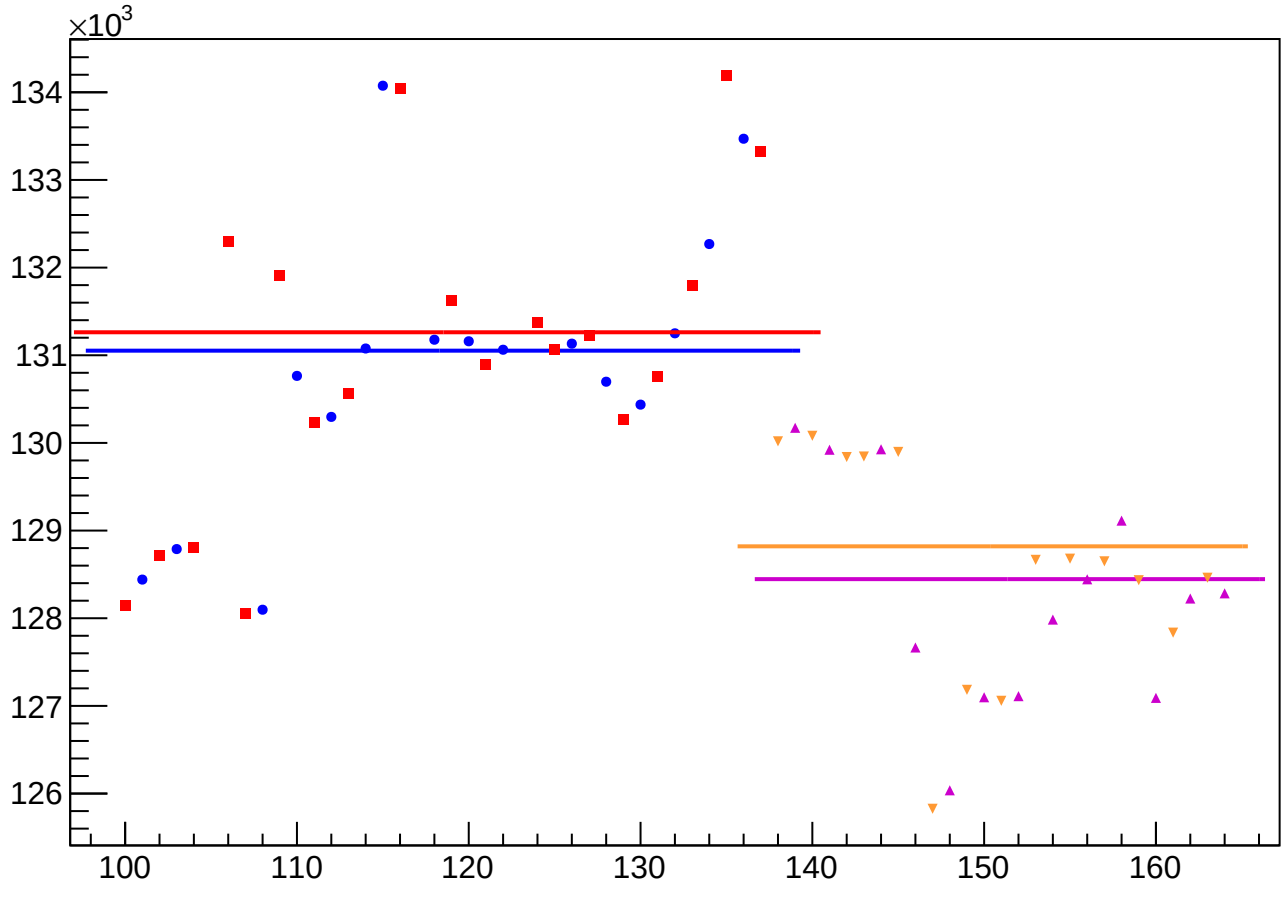
Left: 189.652+/-0.029 χ^2/NDF: 1040489.6/26

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

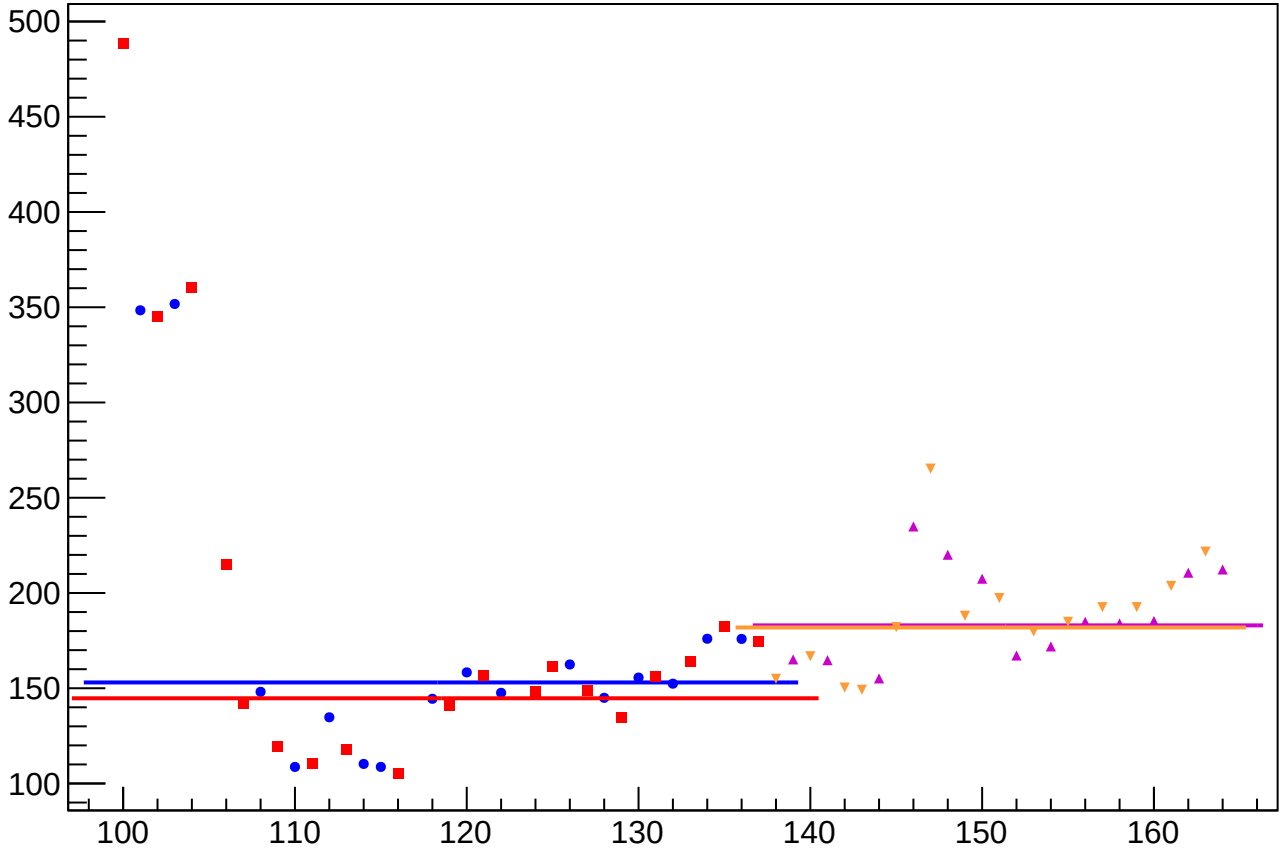
In: 179.432+/-0.031 χ^2/NDF:1559054.4/28

Out: 173.866+/-0.030 χ^2/NDF:2040257.4/32

All: 176.544+/-0.022 χ^2/NDF: 3615979.4/61


yield_bpm0l06WS_mean vs Slug, Sign Corrected
×10^3
134
133
132
131
130
129
128
127
126
100
110
120
130
140
150
160
Right In: 131052.422+/-0.061 χ²/NDF: 523713045.8/15
Left Out: 128820.243+/-0.056 χ²/NDF:434549852.7/13
Right Out: 131262.232+/-0.057 χ²/NDF: 604278186.1/18
Left In: 128446.098+/-0.056 χ²/NDF:501778334.2/12
Left: 128635.702+/-0.040 χ²/NDF: 958694612.0/26
Right: 131164.431+/-0.041 χ²/NDF: 1134382049.3/
In: 129653.064+/-0.041 χ²/NDF:2017312852.3/28
Out: 130017.229+/-0.040 χ²/NDF:1985713239.6/3
All: 129842.318+/-0.029 χ²/NDF: 40434979

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 181.902+/-0.039 χ^2/NDF:429548.0/13

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 182.995+/-0.040 χ^2/NDF:326464.8/12

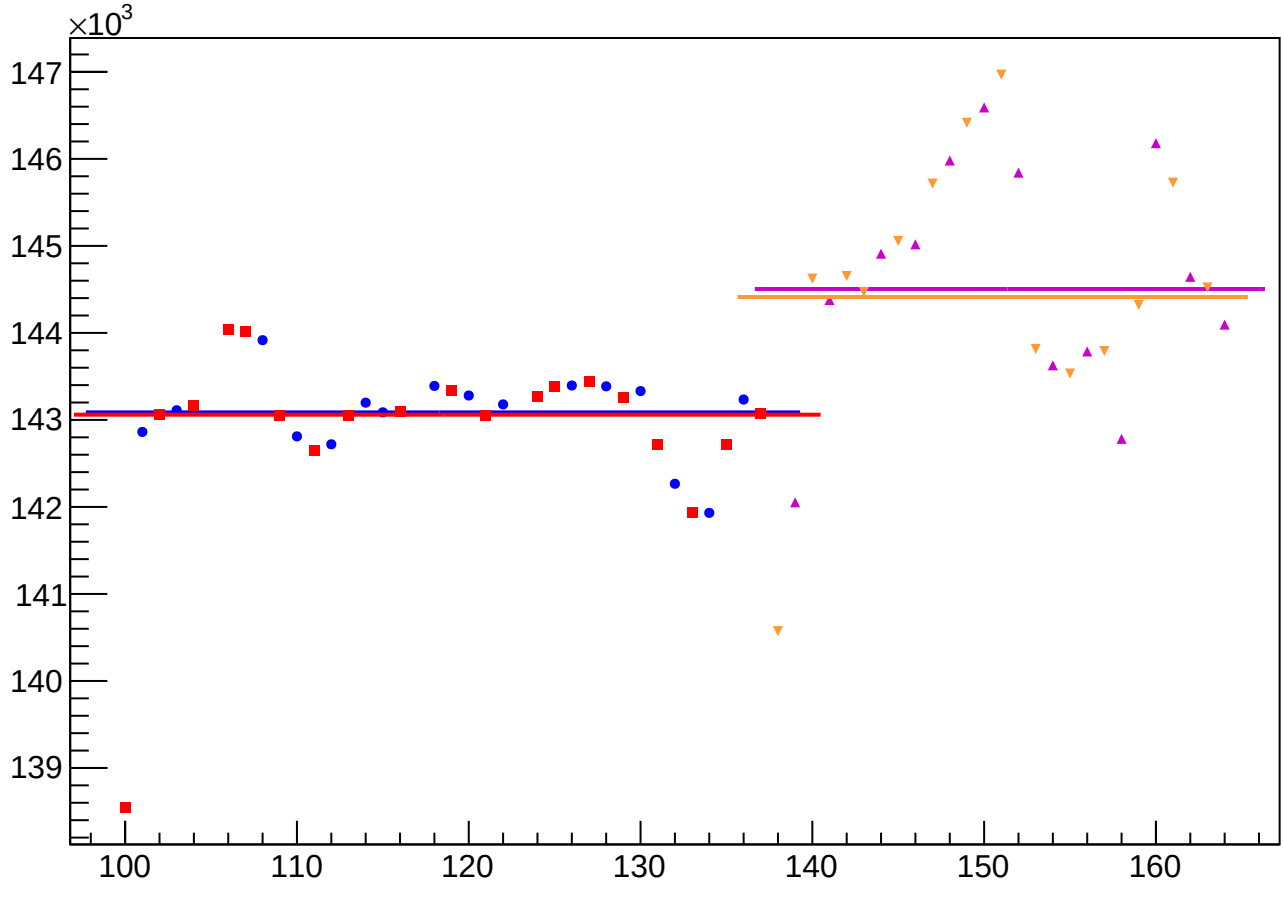
Left: 182.441+/-0.028 χ^2/NDF: 756394.7/26

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 169.125+/-0.029 χ^2/NDF:1647924.5/28

Out: 163.682+/-0.028 χ^2/NDF:2131766.5/32

All: 166.296+/-0.020 χ^2/NDF: 3797771.6/61



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144412.241+/-0.064 χ^2/NDF:594899225.9/13

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144504.907+/-0.065 χ^2/NDF:429375965.1/12

Left: 144458.397+/-0.046 χ^2/NDF: 1025307565.9/2

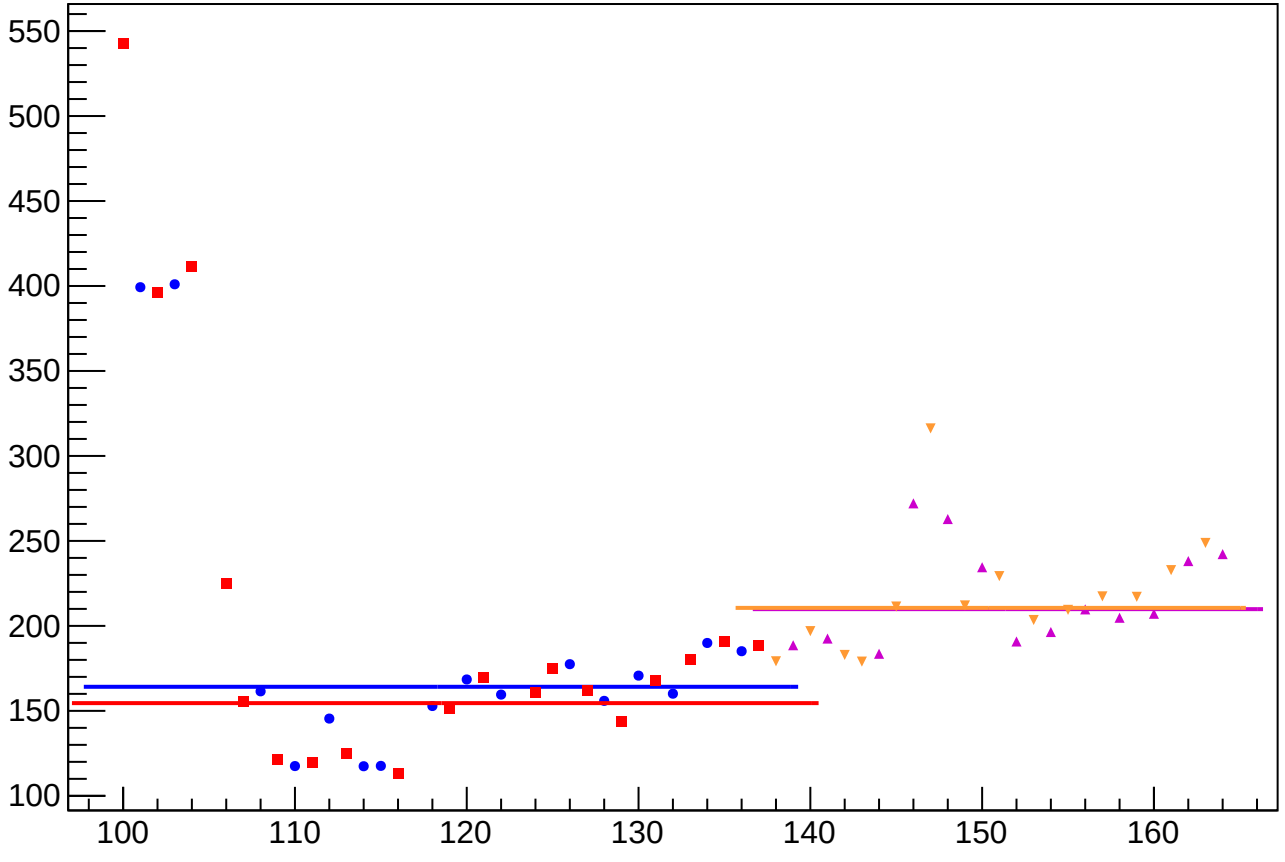
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143800.850+/-0.046 χ^2/NDF:715319959.4/28

Out: 143696.173+/-0.044 χ^2/NDF:880294904.1/32

All: 143746.523+/-0.032 χ^2/NDF: 15983196

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 210.595+/-0.046 χ^2/NDF:375038.2/13

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 209.853+/-0.046 χ^2/NDF:317353.1/12

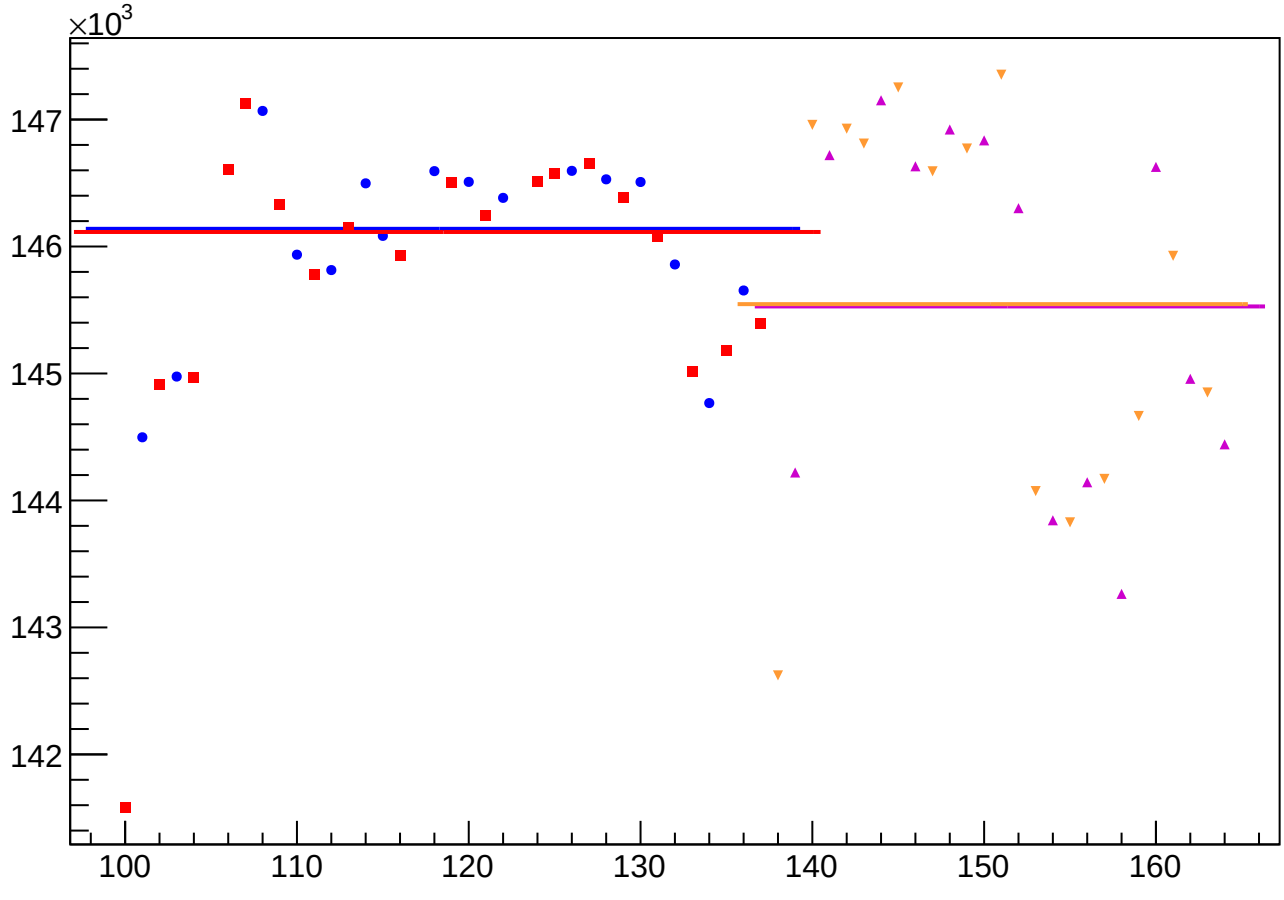
Left: 210.226+/-0.032 χ^2/NDF: 692523.7/26

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 187.176+/-0.032 χ^2/NDF:1943463.0/28

Out: 180.915+/-0.031 χ^2/NDF:2544788.4/32

All: 183.927+/-0.022 χ^2/NDF: 4507602.4/61



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145546.149+/-0.064 χ^2/NDF:601784017.6/13

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 145528.020+/-0.064 χ^2/NDF:469991836.2/12

Left: 145537.182+/-0.045 χ^2/NDF: 1071815978.0/2

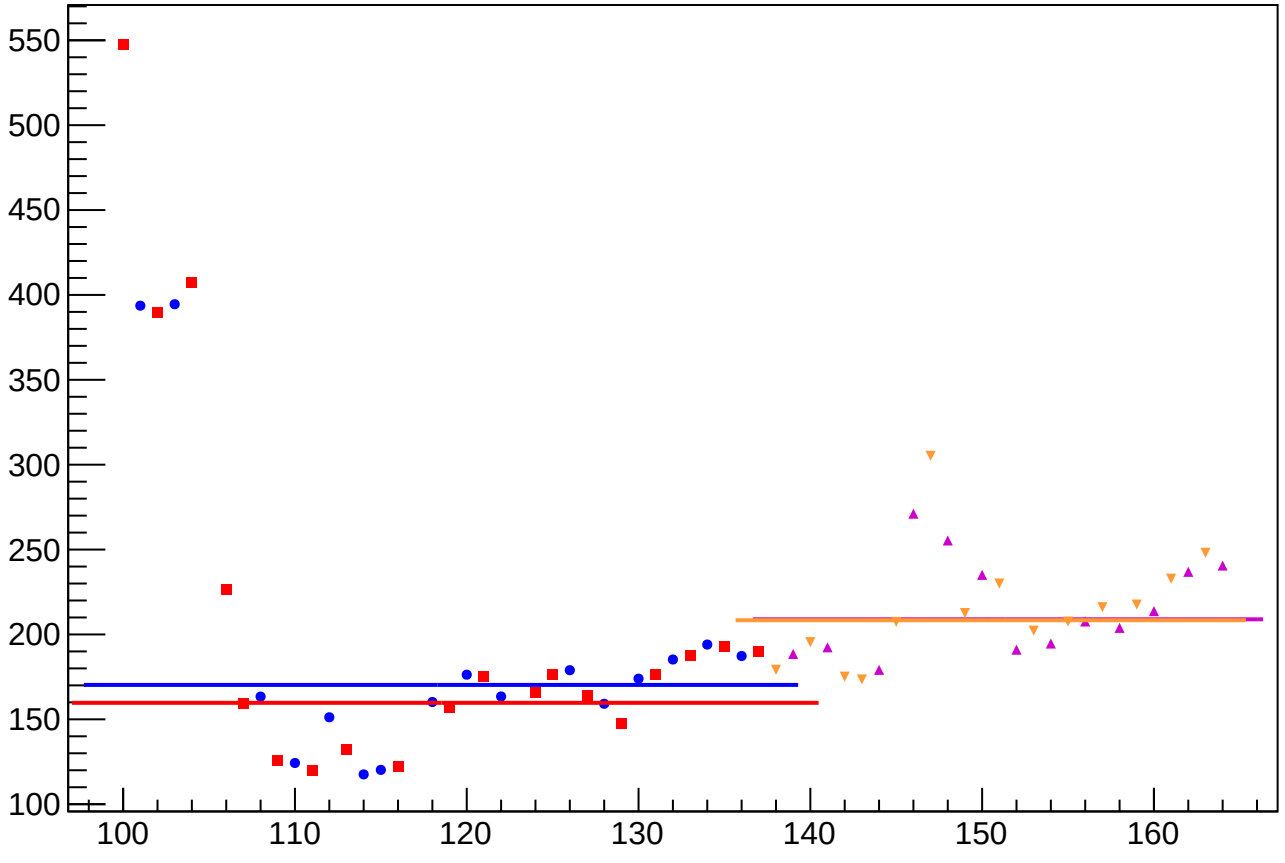
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 145819.487+/-0.047 χ^2/NDF:584745890.4/28

Out: 145835.577+/-0.045 χ^2/NDF:715486024.2/32

All: 145827.876+/-0.032 χ^2/NDF: 13002942

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 208.381+/-0.045 χ^2/NDF:388486.5/13

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 208.911+/-0.045 χ^2/NDF:316199.7/12

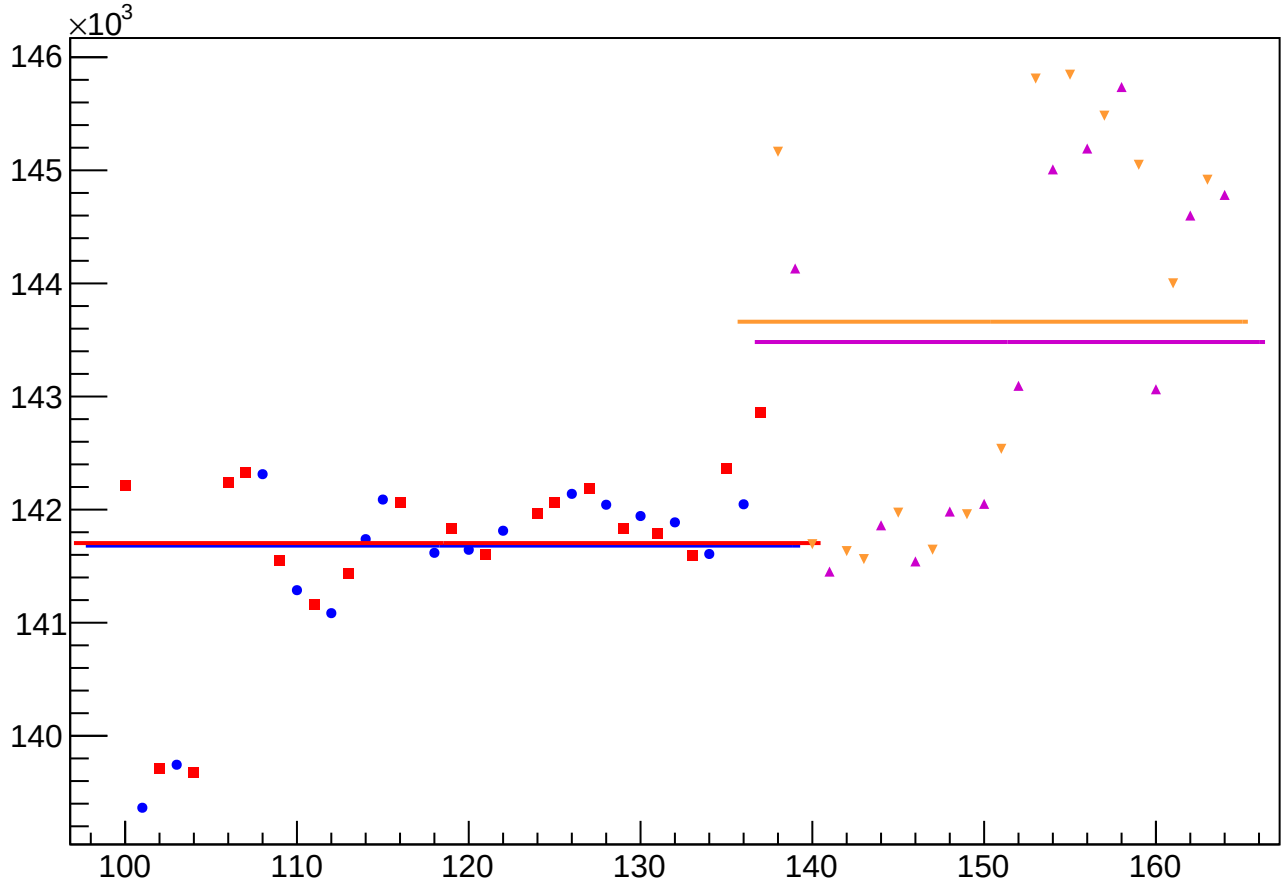
Left: 208.644+/-0.032 χ^2/NDF: 704754.7/26

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 190.489+/-0.033 χ^2/NDF:1717659.7/28

Out: 183.601+/-0.032 χ^2/NDF:2275007.9/32

All: 186.898+/-0.023 χ^2/NDF: 4015509.2/61



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143661.500+/-0.067 χ^2/NDF:658354022.9/13

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143481.961+/-0.067 χ^2/NDF:486291014.2/12

Left: 143571.560+/-0.048 χ^2/NDF: 1148206056.1/2

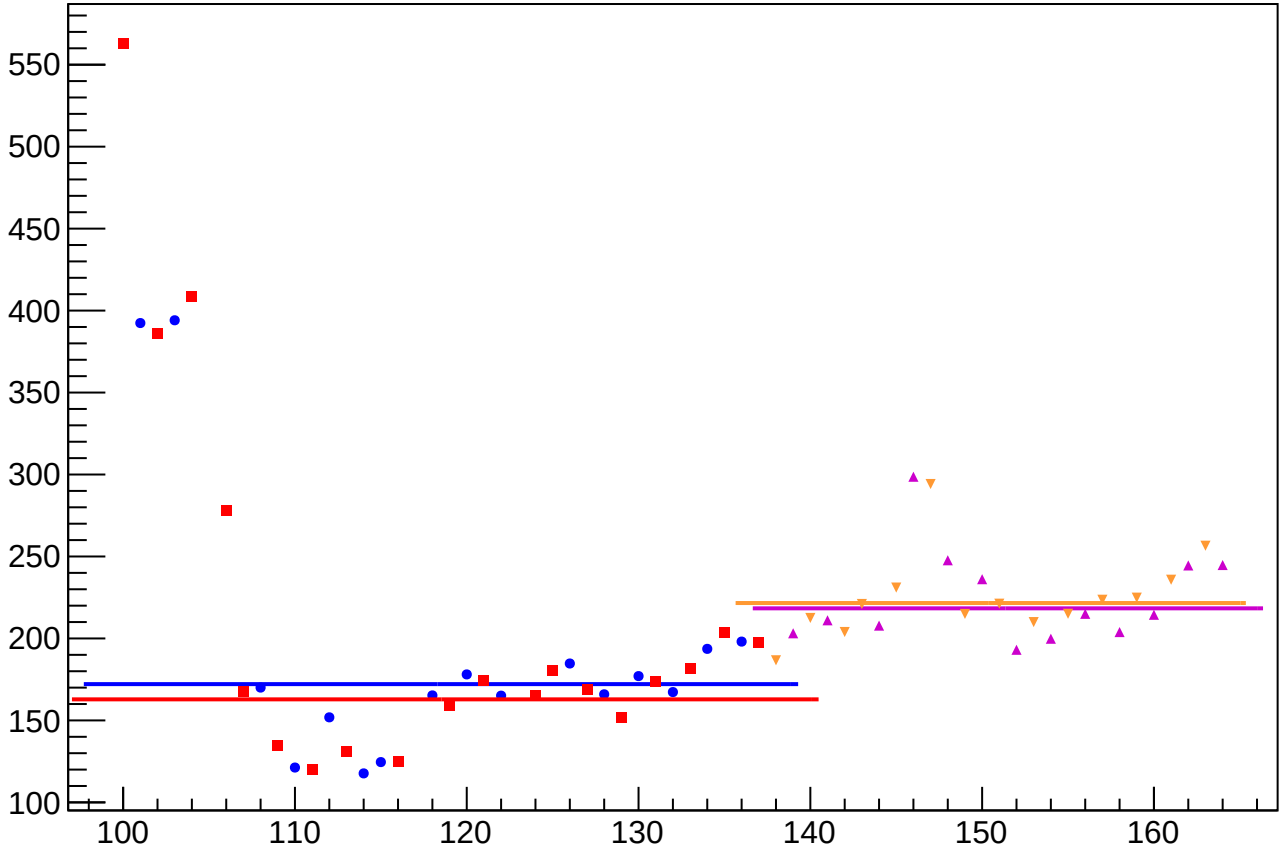
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142595.959+/-0.048 χ^2/NDF:903639076.0/28

Out: 142629.955+/-0.046 χ^2/NDF:1169136608.0/3

All: 142613.528+/-0.033 χ^2/NDF: 20730360

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 221.608+/-0.048 χ^2/NDF:210700.2/13

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 218.362+/-0.048 χ^2/NDF:259021.6/12

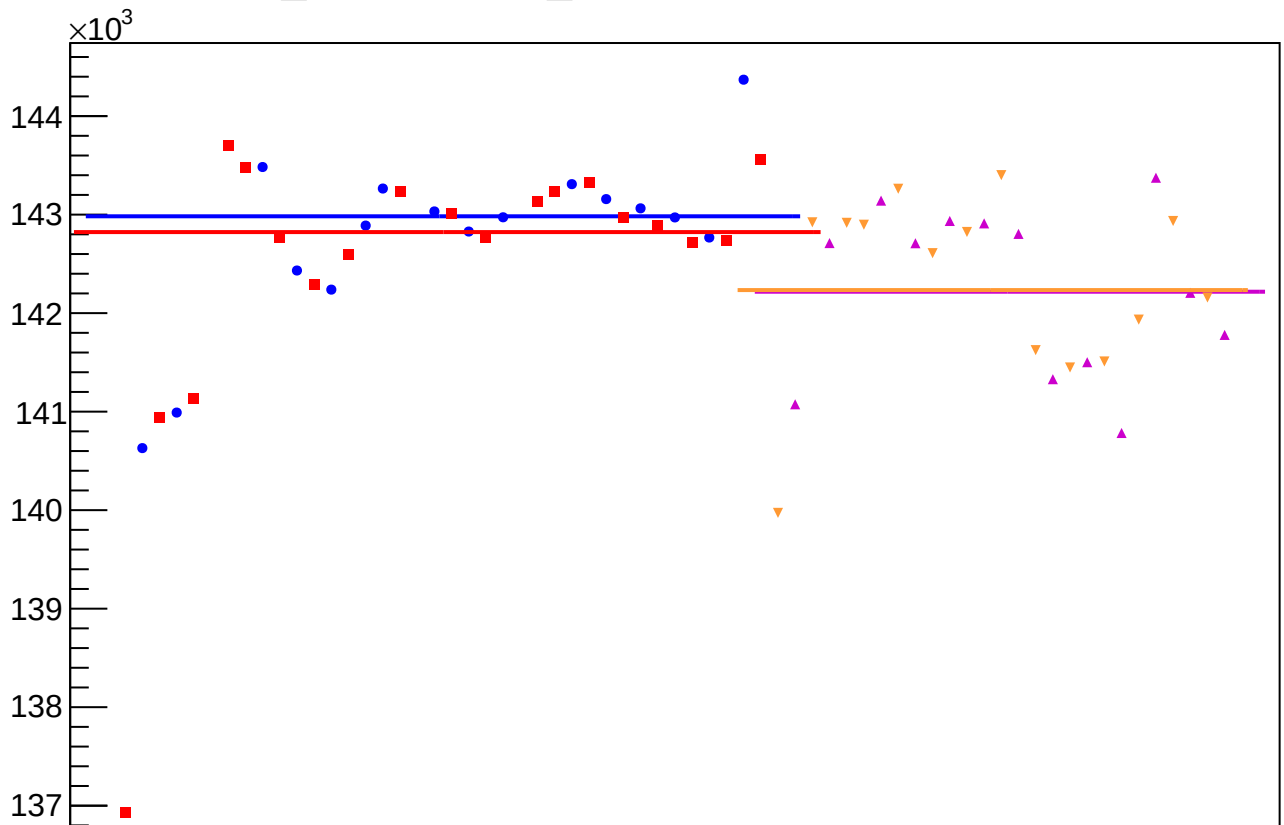
Left: 219.982+/-0.034 χ^2/NDF: 472049.3/26

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 195.612+/-0.034 χ^2/NDF:1793193.5/28

Out: 190.639+/-0.033 χ^2/NDF:2319216.3/32

All: 193.041+/-0.024 χ^2/NDF: 4123553.1/61



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142233.970+/-0.062 χ^2/NDF:247221986.8/13

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142217.362+/-0.063 χ^2/NDF:190446806.9/12

Left: 142225.748+/-0.044 χ^2/NDF: 437703995.2/26

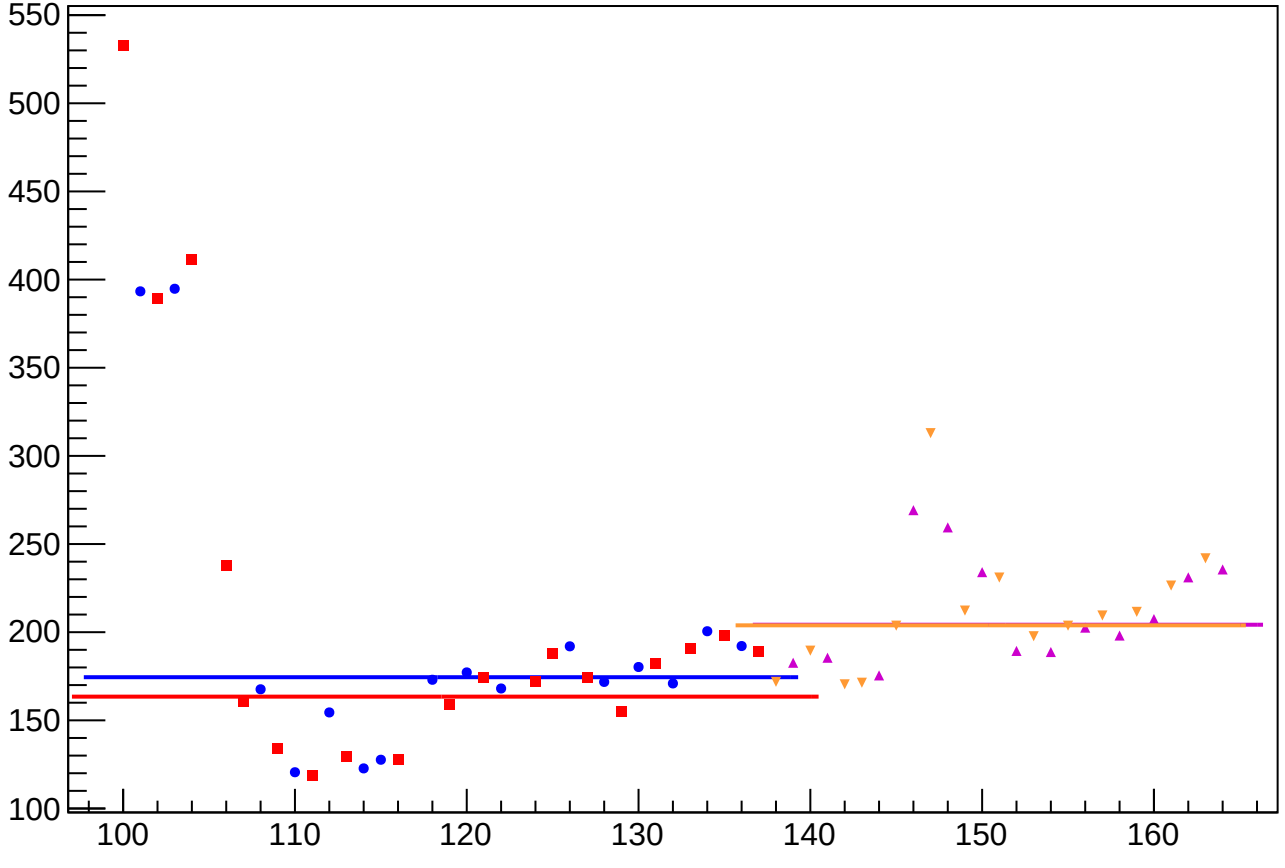
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142564.252+/-0.047 χ^2/NDF:365270107.6/28

Out: 142520.202+/-0.045 χ^2/NDF:354244282.7/32

All: 142541.323+/-0.032 χ^2/NDF: 71998113

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 203.892+/-0.044 χ^2/NDF:438056.9/13

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 204.231+/-0.044 χ^2/NDF:358159.3/12

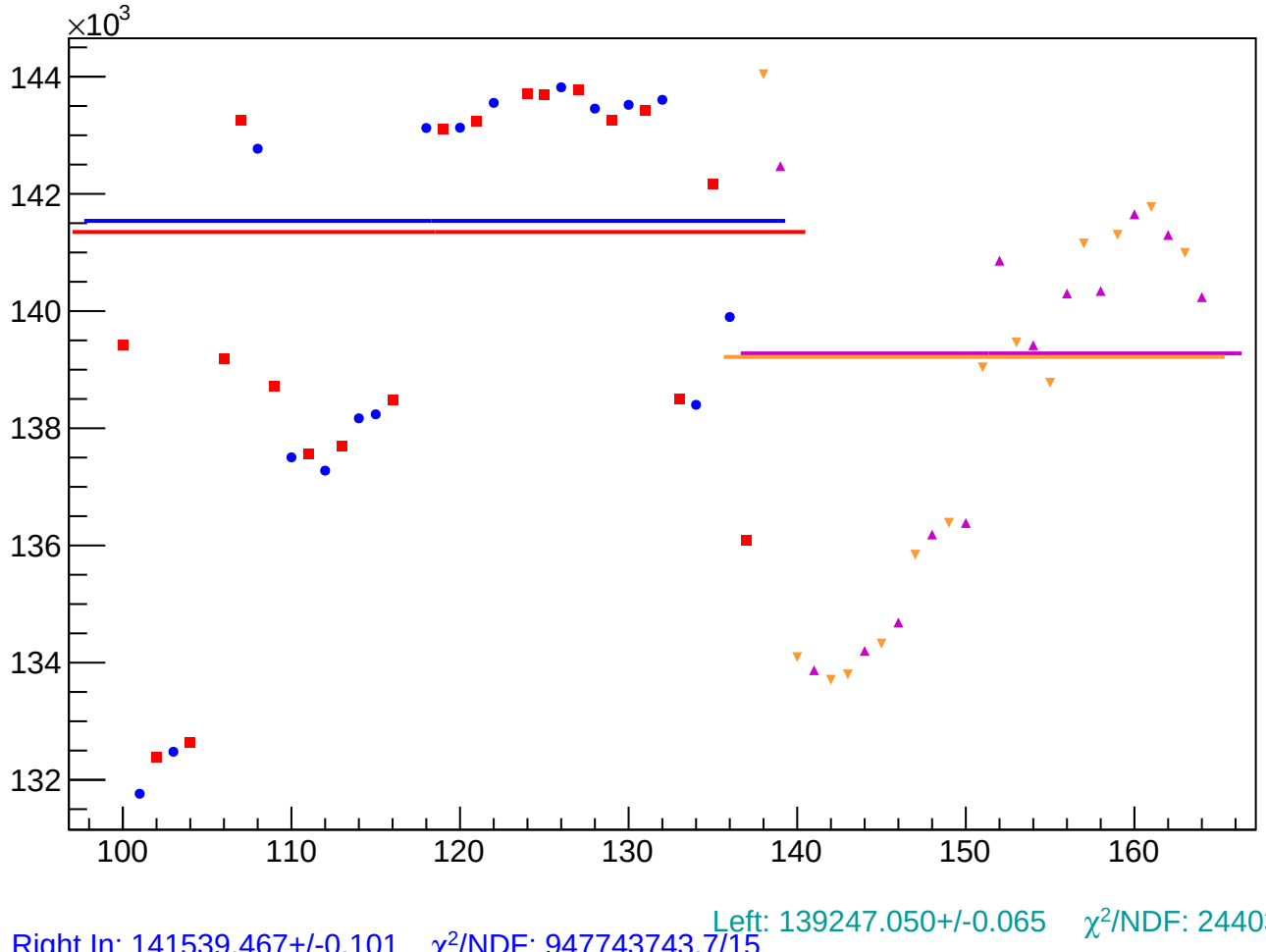
Left: 204.060+/-0.031 χ^2/NDF: 796245.7/26

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

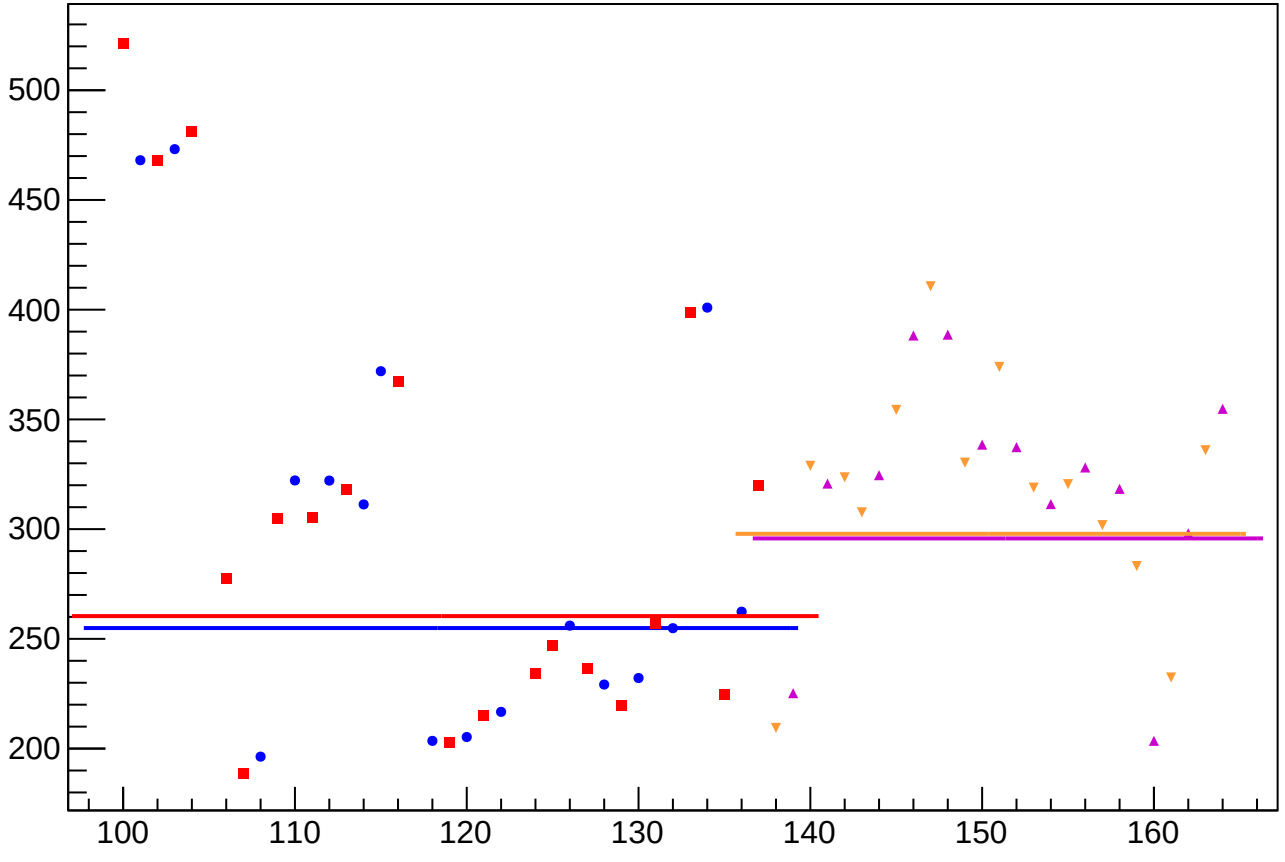
In: 190.746+/-0.033 χ^2/NDF:1610180.4/28

Out: 184.230+/-0.032 χ^2/NDF:2130521.7/32

All: 187.354+/-0.023 χ^2/NDF: 3761131.4/61


yield_bpm0r03WS_mean vs Slug, Sign Corrected
×10^3
144
142
140
138
136
134
132
100
110
120
130
140
150
160
Right In: 141539.467+/-0.101 χ²/NDF: 947743743.7/15
Left Out: 139217.169+/-0.092 χ²/NDF:1407424456.5/13
Right Out: 141349.499+/-0.101 χ²/NDF: 926661757.9/18
Left In: 139277.336+/-0.093 χ²/NDF:1032713038.4/12
Left: 139247.050+/-0.065 χ²/NDF: 2440349685.7/2
Right: 141444.713+/-0.071 χ²/NDF: 1876176691.0/
In: 140313.367+/-0.068 χ²/NDF:2253374219.1/28
Out: 140184.103+/-0.068 χ²/NDF:2577426624.0/3
All: 140248.570+/-0.048 χ²/NDF: 48326003

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 297.859+/-0.065 χ^2/NDF:705287.8/13

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 295.764+/-0.066 χ^2/NDF:820468.7/12

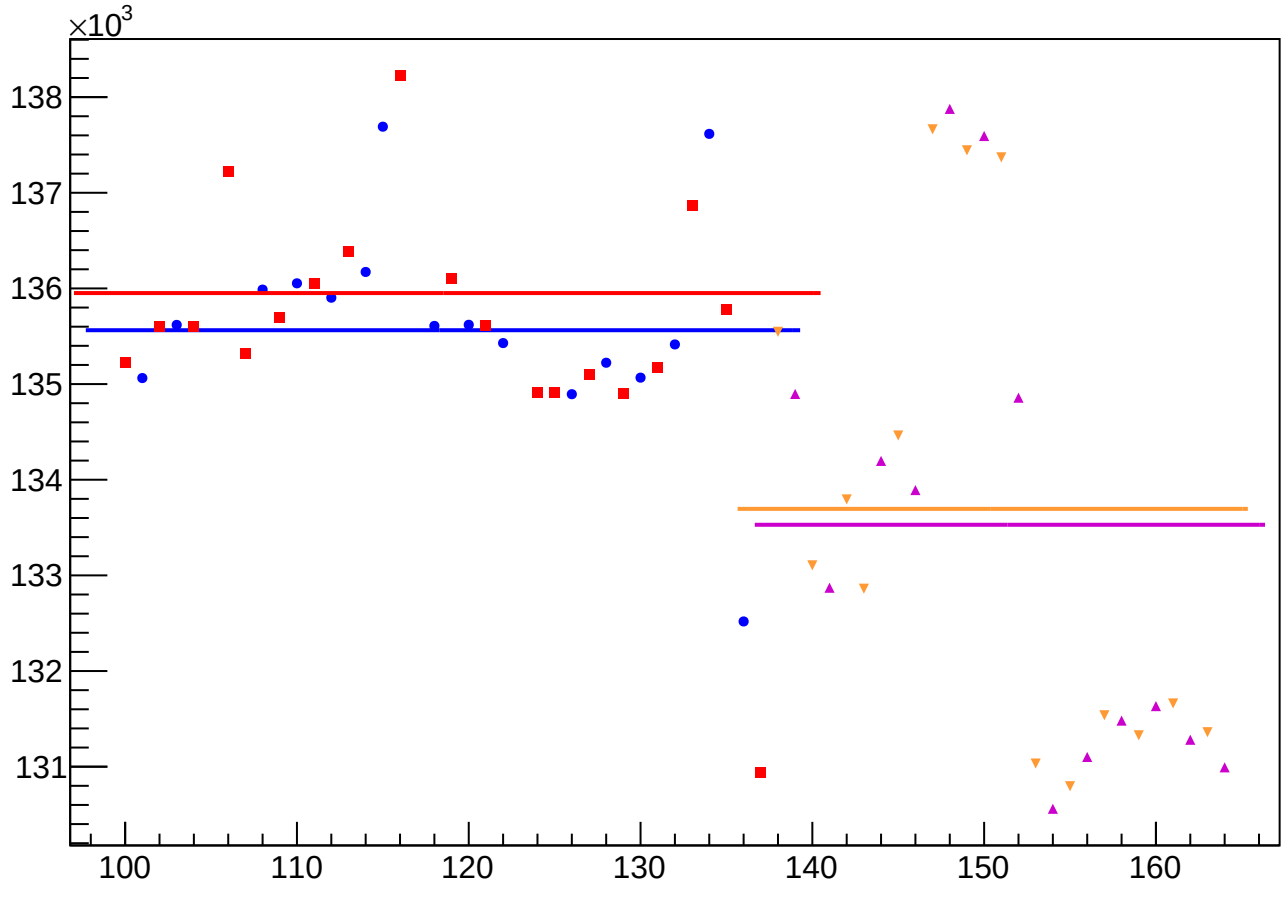
Left: 296.818+/-0.046 χ^2/NDF: 1526270.9/26

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 277.058+/-0.048 χ^2/NDF:1948372.9/28

Out: 280.858+/-0.048 χ^2/NDF:1849031.4/32

All: 278.963+/-0.034 χ^2/NDF: 3800515.9/61



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133695.455+/-0.080 χ^2/NDF:644700397.4/13

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 133529.084+/-0.084 χ^2/NDF:530328160.5/12

Left: 133616.516+/-0.058 χ^2/NDF: 1177082471.0/2

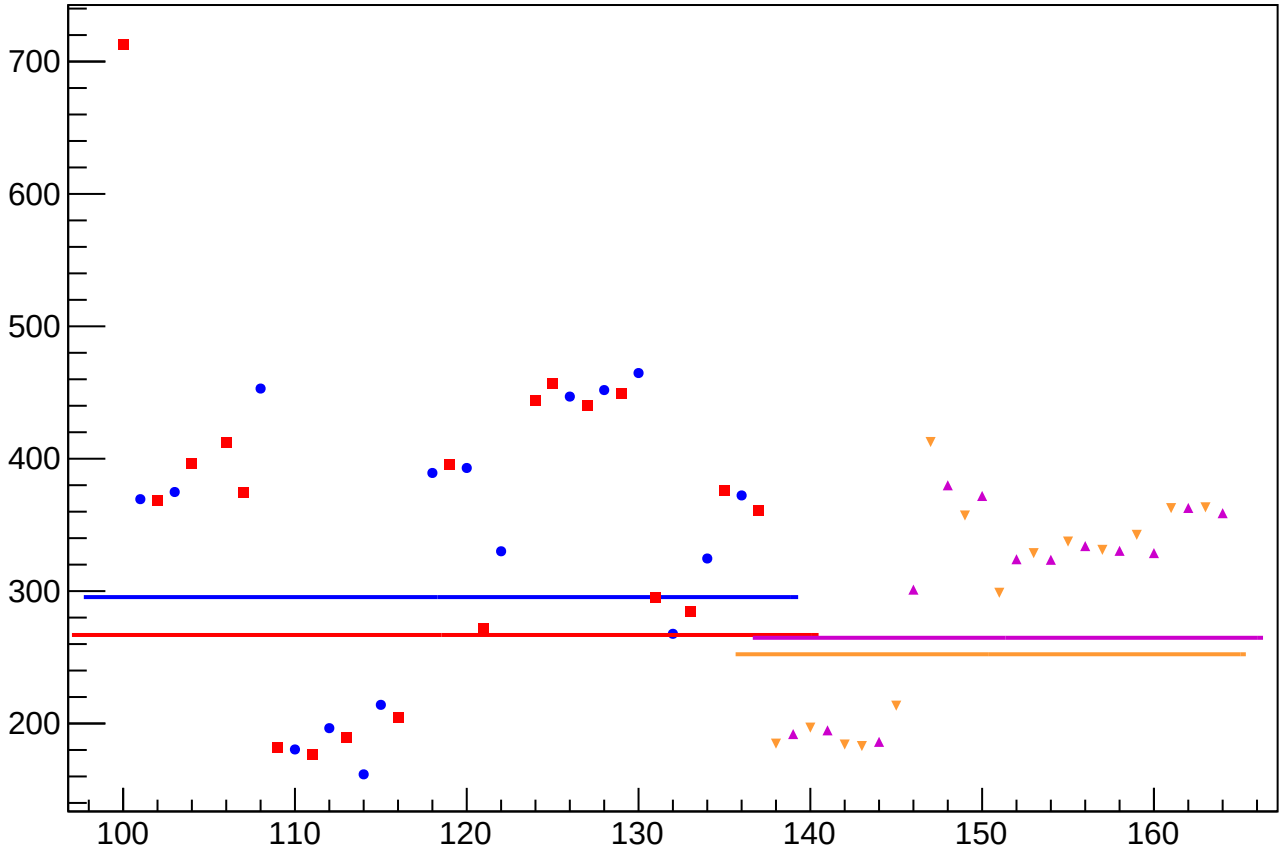
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134212.111+/-0.069 χ^2/NDF:820662105.1/28

Out: 134510.214+/-0.064 χ^2/NDF:1023742511.4/3

All: 134371.658+/-0.047 χ^2/NDF: 18545157

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 252.299+/-0.057 χ^2/NDF:1850192.4/13

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 264.741+/-0.060 χ^2/NDF:1606743.7/12

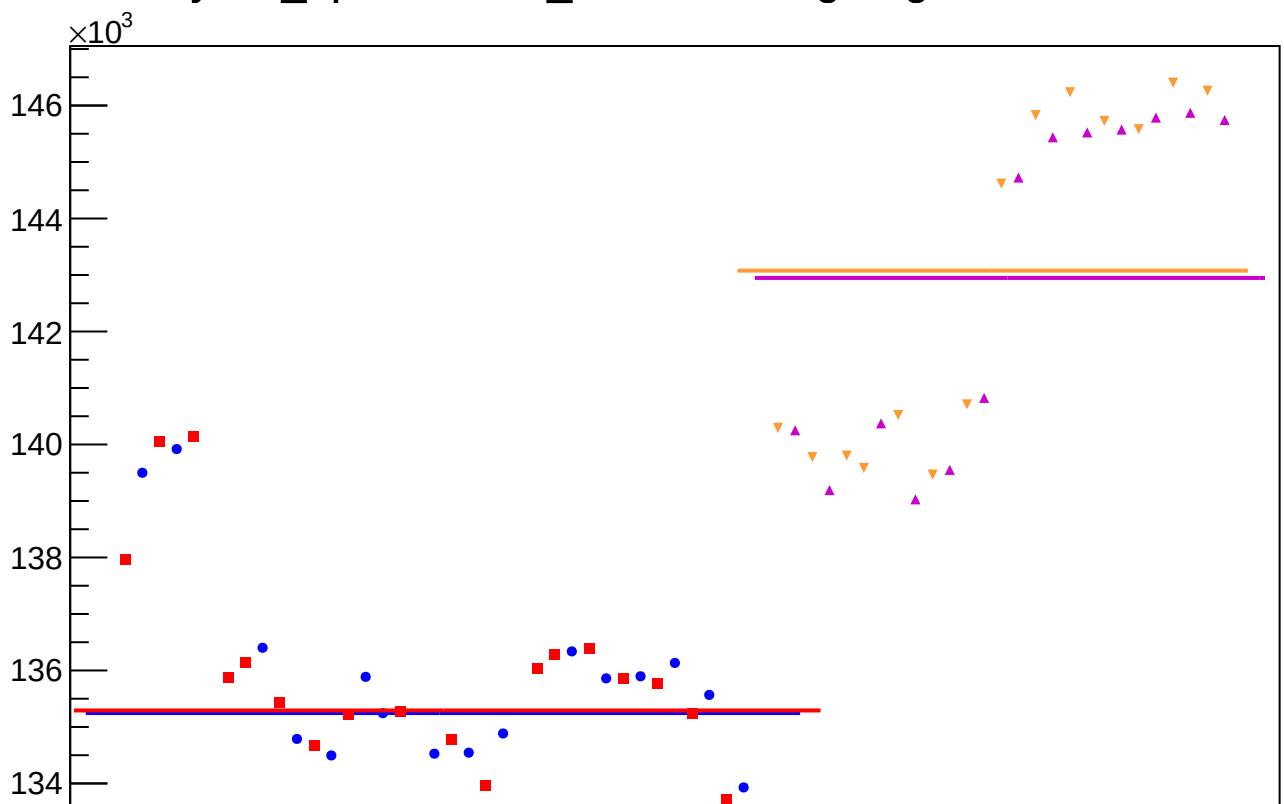
Left: 258.203+/-0.041 χ^2/NDF: 3479908.0/26

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 275.064+/-0.048 χ^2/NDF:3138891.0/28

Out: 257.559+/-0.045 χ^2/NDF:3552227.7/32

All: 265.695+/-0.033 χ^2/NDF: 6760844.4/61



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143077.417+/-0.058 χ^2/NDF:2492449161.0/13

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 142947.904+/-0.061 χ^2/NDF:2149261174.9/12

Left: 143015.457+/-0.042 χ^2/NDF: 4644073974.1/2

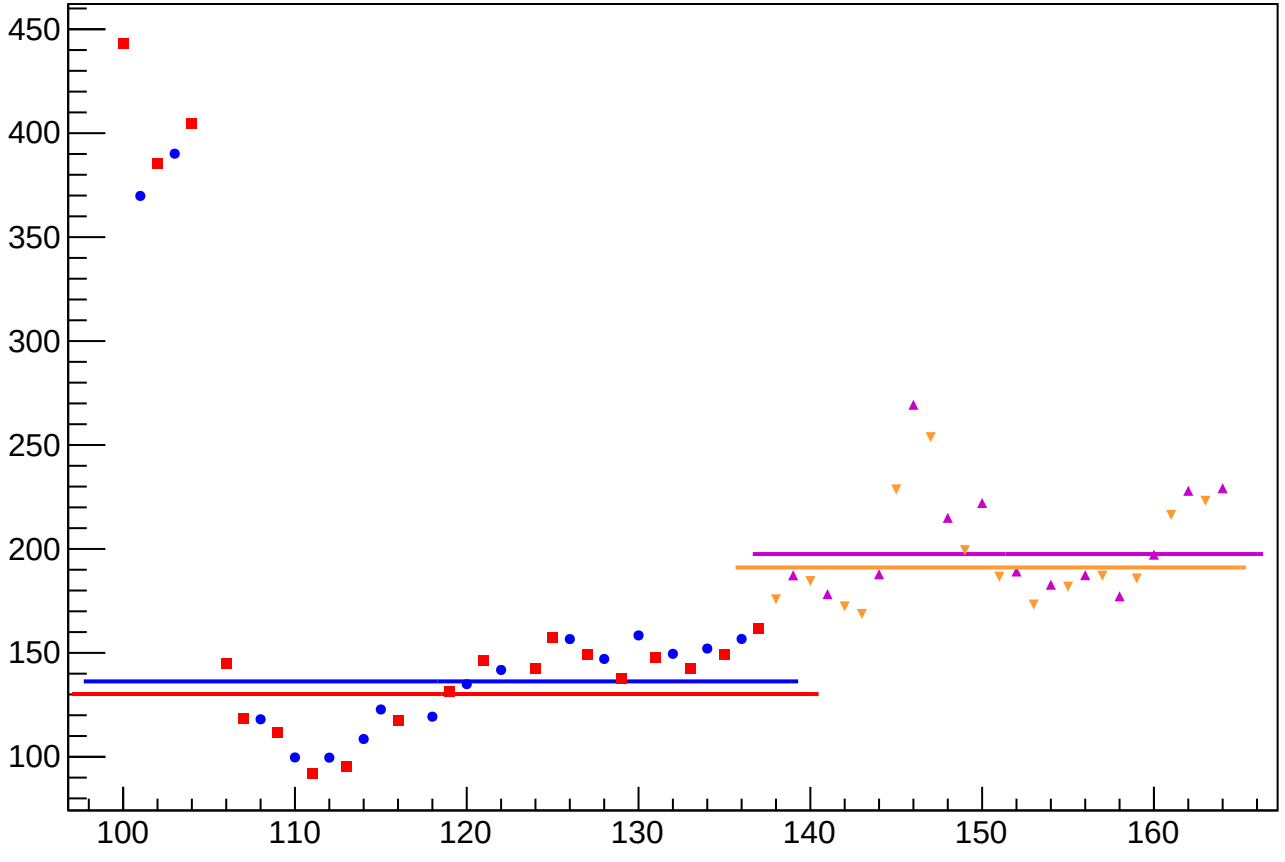
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 138690.495+/-0.041 χ^2/NDF:11396014713.1/2

Out: 138725.028+/-0.039 χ^2/NDF:12855068656.6

All: 138708.628+/-0.028 χ^2/NDF: 24251461

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 191.098+/-0.041 χ^2/NDF:272763.6/13

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 197.548+/-0.043 χ^2/NDF:274305.8/12

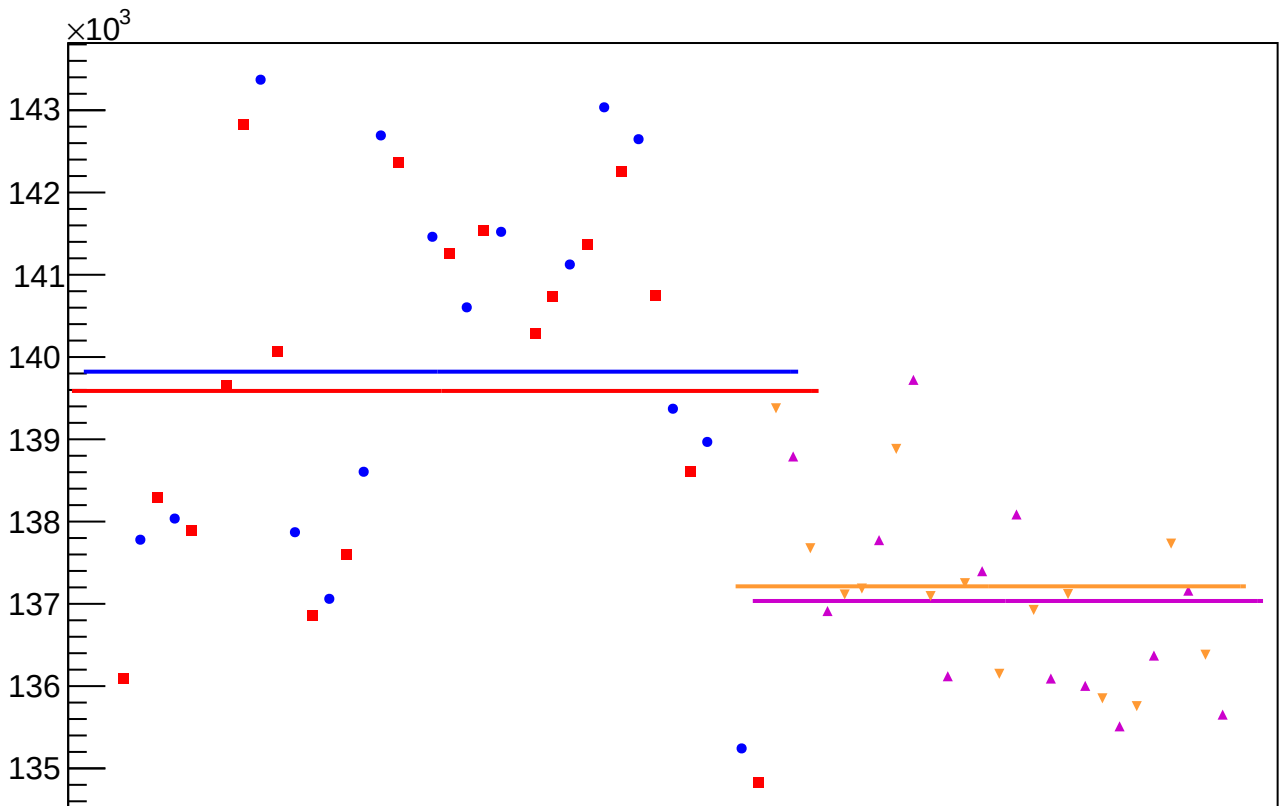
Left: 194.184+/-0.030 χ^2/NDF: 558794.8/26

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 163.682+/-0.029 χ^2/NDF:2779397.2/28

Out: 157.057+/-0.027 χ^2/NDF:3014675.6/32

All: 160.204+/-0.020 χ^2/NDF: 5821918.9/61



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137212.825+/-0.060 χ^2/NDF:294228515.4/13

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137034.790+/-0.062 χ^2/NDF:349782944.4/12

Left: 137126.025+/-0.043 χ^2/NDF: 648257667.1/26

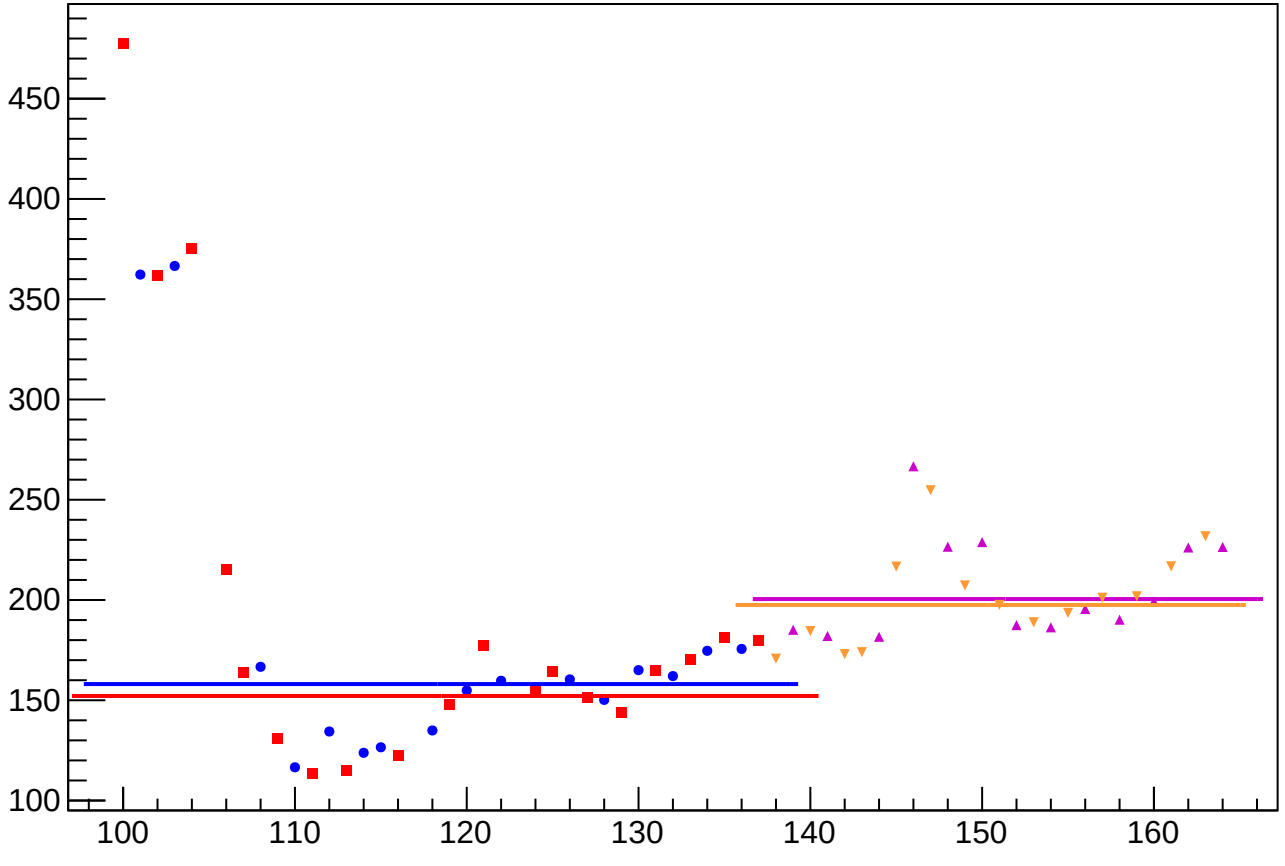
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138411.821+/-0.044 χ^2/NDF:3016546796.5/28

Out: 138412.228+/-0.042 χ^2/NDF:2559904201.5/3

All: 138412.032+/-0.031 χ^2/NDF: 55764510

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 197.519+/-0.043 χ^2/NDF:242054.2/13

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 200.476+/-0.044 χ^2/NDF:262353.8/12

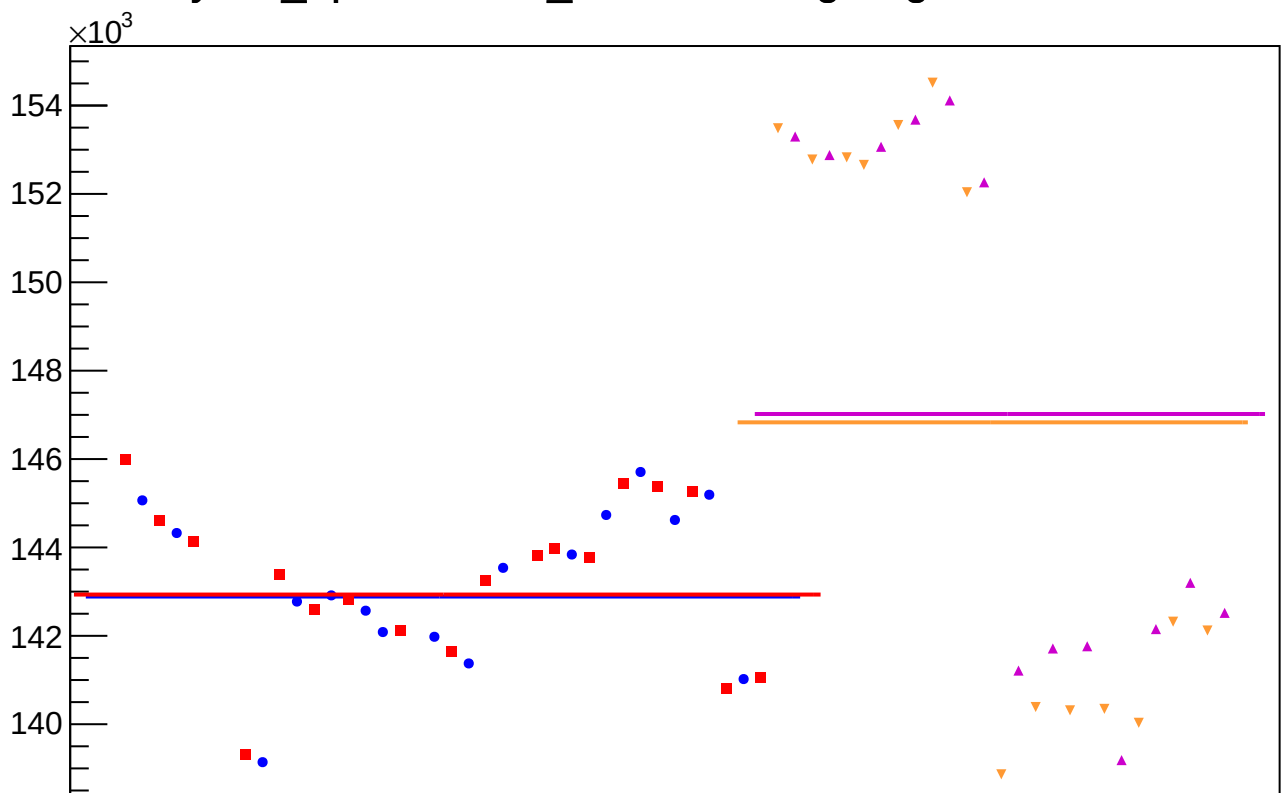
Left: 198.960+/-0.031 χ^2/NDF: 506750.3/26

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 179.530+/-0.031 χ^2/NDF:1744555.9/28

Out: 174.602+/-0.030 χ^2/NDF:2042627.0/32

All: 176.978+/-0.022 χ^2/NDF: 3800182.8/61



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 146830.852+/-0.061 χ^2/NDF:10690551276.5/13

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 147019.727+/-0.063 χ^2/NDF:8848888088.0/12

Left: 146923.038+/-0.044 χ^2/NDF: 19544080664.6

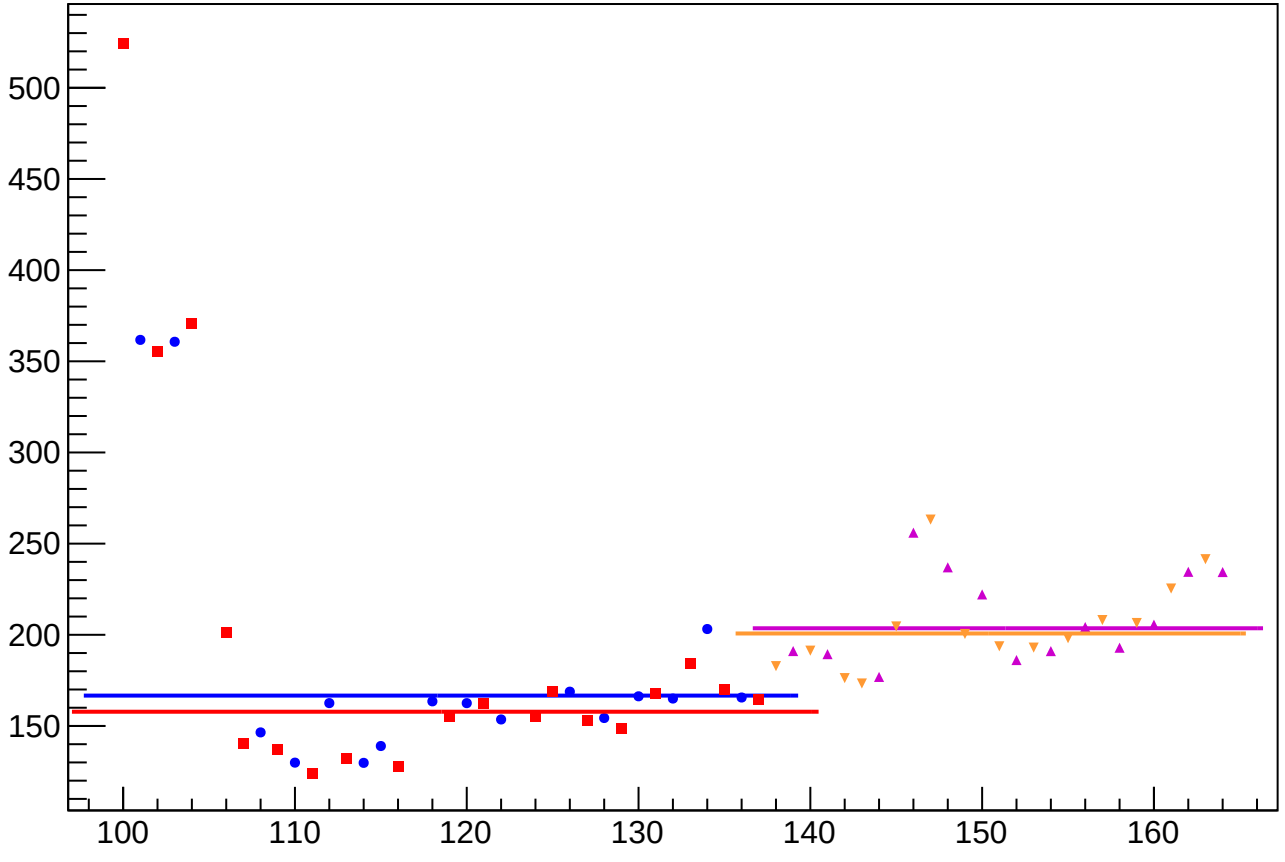
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 145049.630+/-0.045 χ^2/NDF:11680234370.4/2

Out: 144891.500+/-0.043 χ^2/NDF:13492511881.1

All: 144967.087+/-0.031 χ^2/NDF: 25179088

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 200.726+/-0.043 χ^2/NDF:241039.1/13

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 203.583+/-0.044 χ^2/NDF:249491.3/12

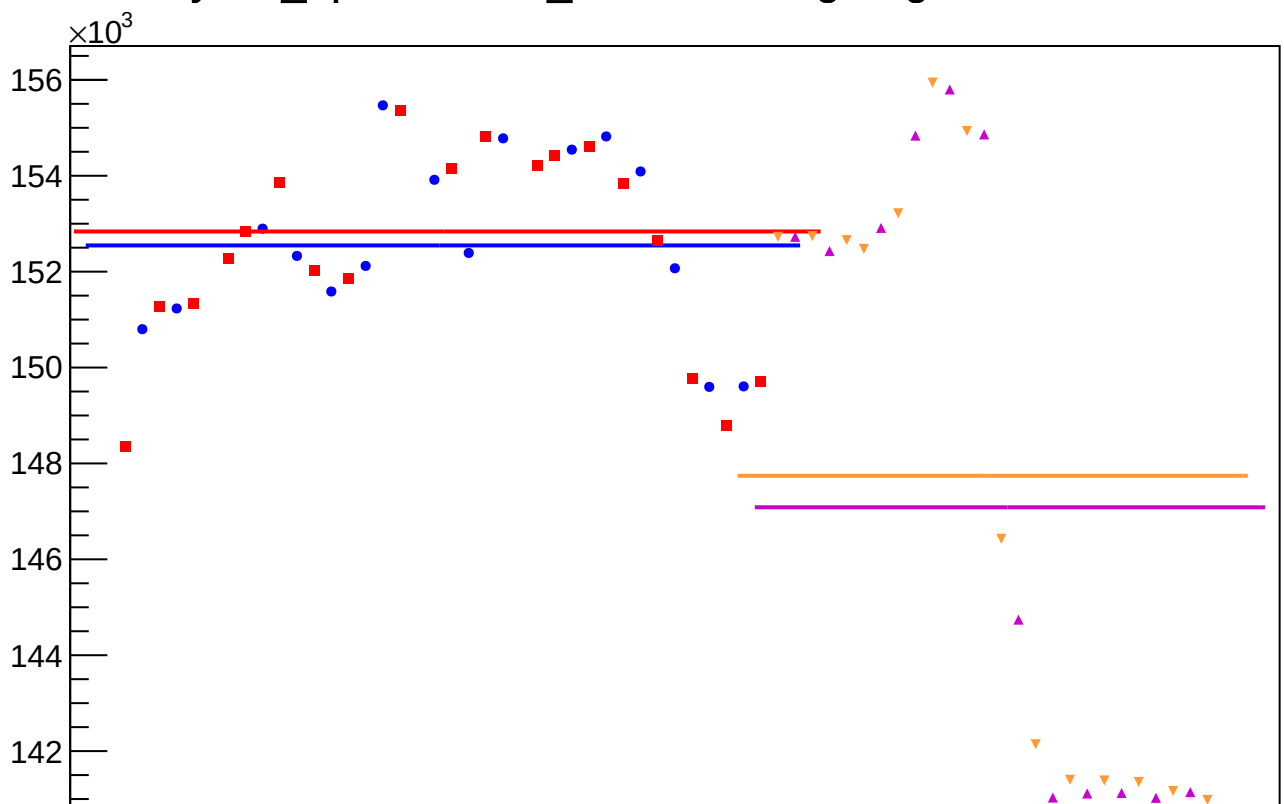
Left: 202.120+/-0.031 χ^2/NDF: 492654.6/26

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 185.970+/-0.032 χ^2/NDF:1443660.3/28

Out: 179.368+/-0.031 χ^2/NDF:1752042.5/32

All: 182.524+/-0.022 χ^2/NDF: 3217812.4/61



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147742.332+/-0.061 χ^2/NDF:8890848058.1/13

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 147085.466+/-0.062 χ^2/NDF:9557098224.0/12

Left: 147420.895+/-0.044 χ^2/NDF: 18504849004.2

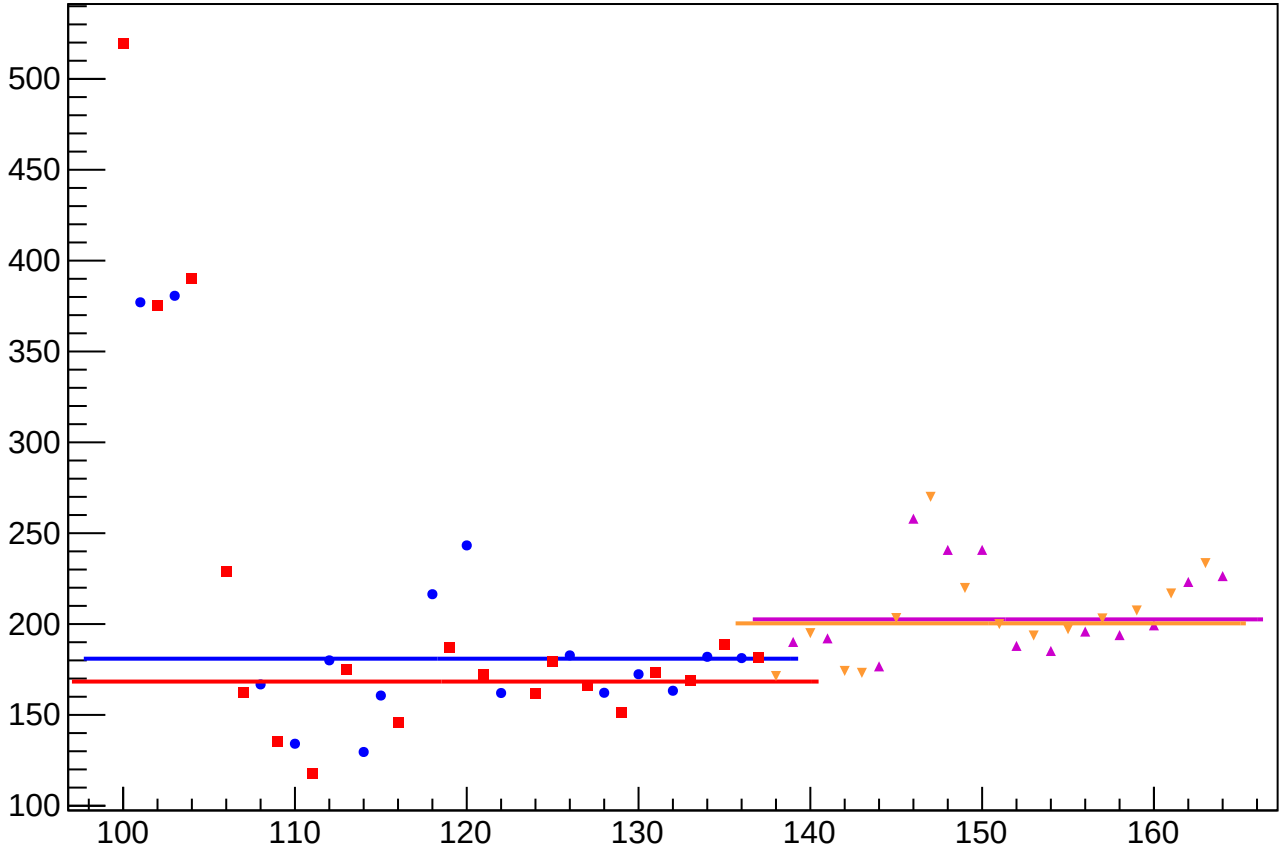
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0

In: 149397.874+/-0.047 χ^2/NDF:13473209087.6/2

Out: 150061.085+/-0.045 χ^2/NDF:12811997388.9

All: 149745.890+/-0.033 χ^2/NDF: 26388586

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 200.379+/-0.043 χ^2/NDF:272765.0/13

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 202.574+/-0.044 χ^2/NDF:274087.0/12

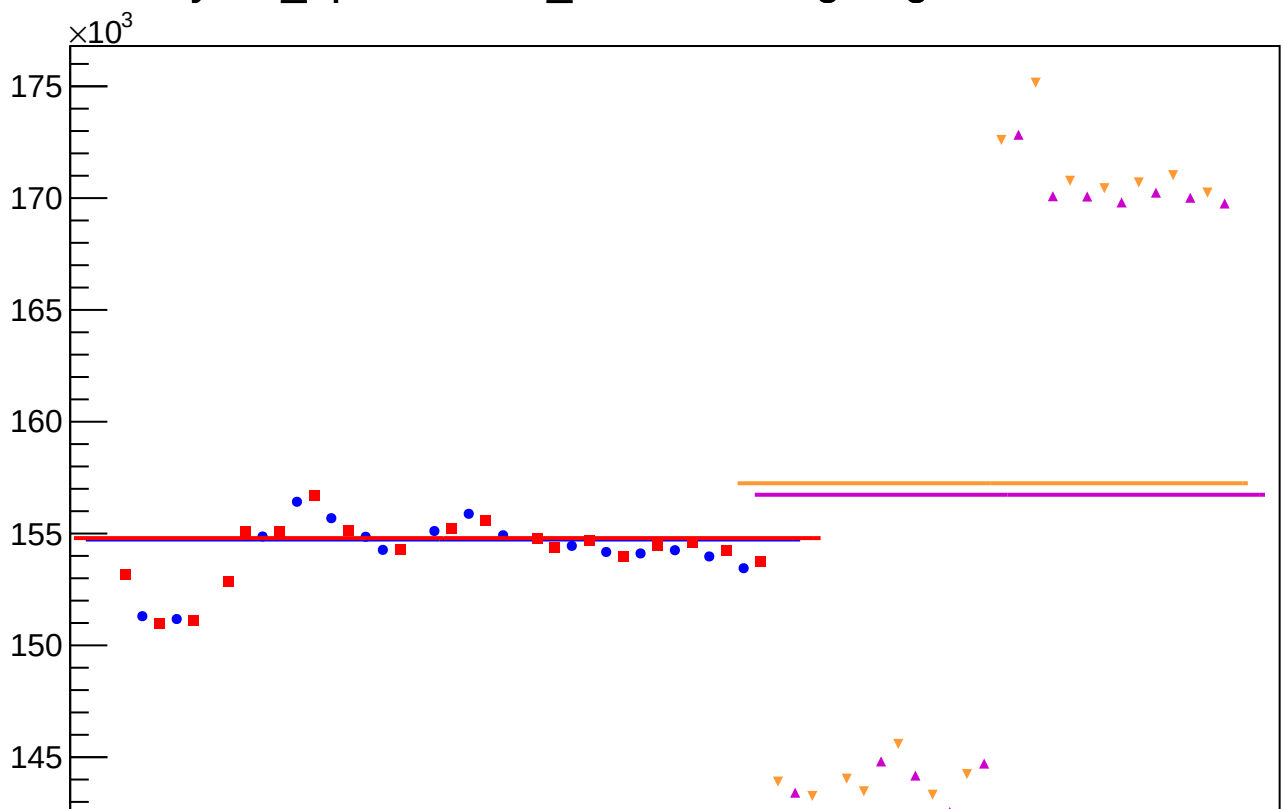
Left: 201.454+/-0.031 χ^2/NDF: 548122.7/26

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 193.414+/-0.033 χ^2/NDF:1284220.4/28

Out: 185.804+/-0.032 χ^2/NDF:1613492.9/32

All: 189.420+/-0.023 χ^2/NDF: 2924933.6/61



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 157248.553+/-0.056 χ^2/NDF:61391952295.9/13

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 156734.824+/-0.058 χ^2/NDF:54072926523.1/12

Left: 156999.070+/-0.040 χ^2/NDF: 115505222324.

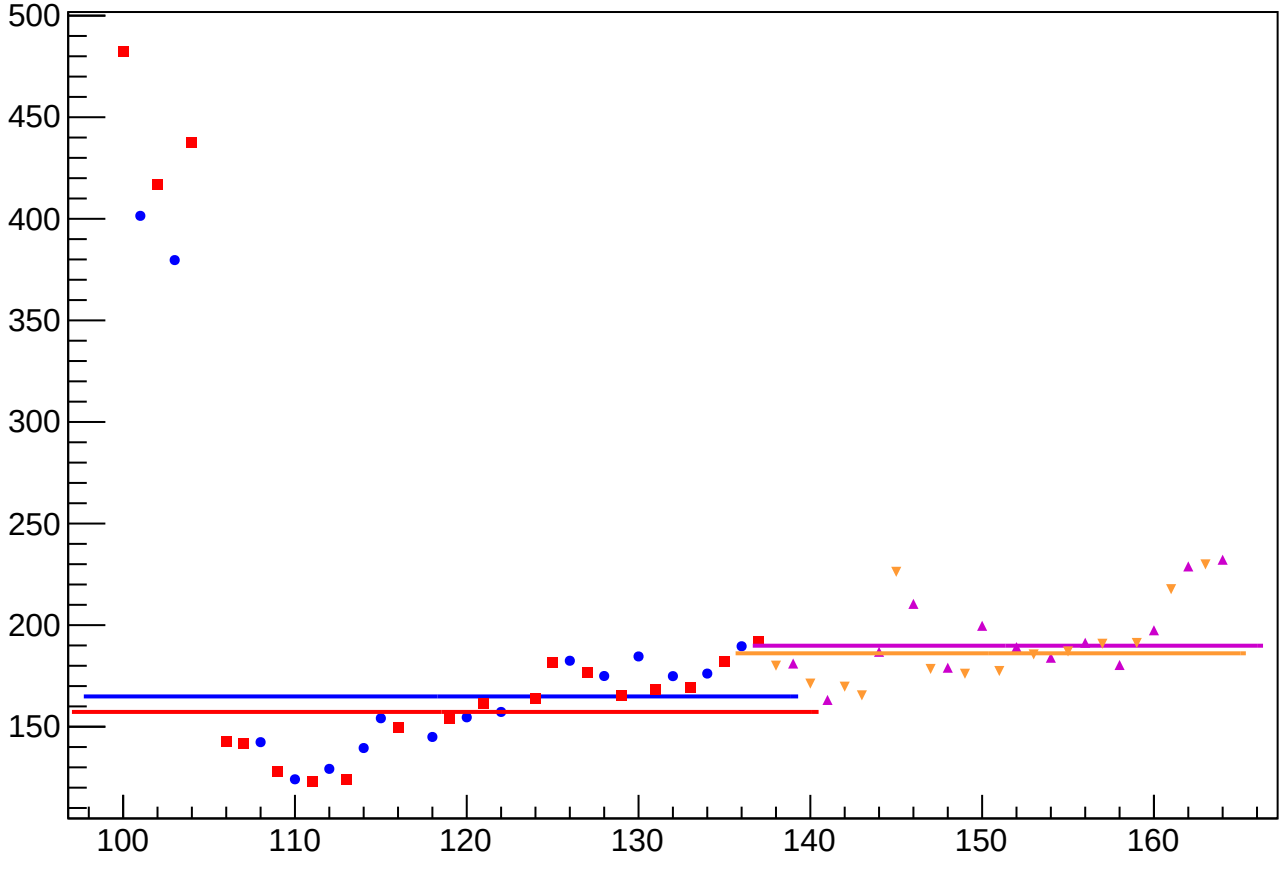
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 155850.371+/-0.043 χ^2/NDF:54873525439.8/2

Out: 156120.257+/-0.041 χ^2/NDF:62567162449.8/

All: 155991.422+/-0.030 χ^2/NDF: 11746095

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 186.134+/-0.040 χ^2/NDF:207297.1/13

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 189.877+/-0.041 χ^2/NDF:173241.5/12

Left: 187.952+/-0.029 χ^2/NDF: 384821.6/26

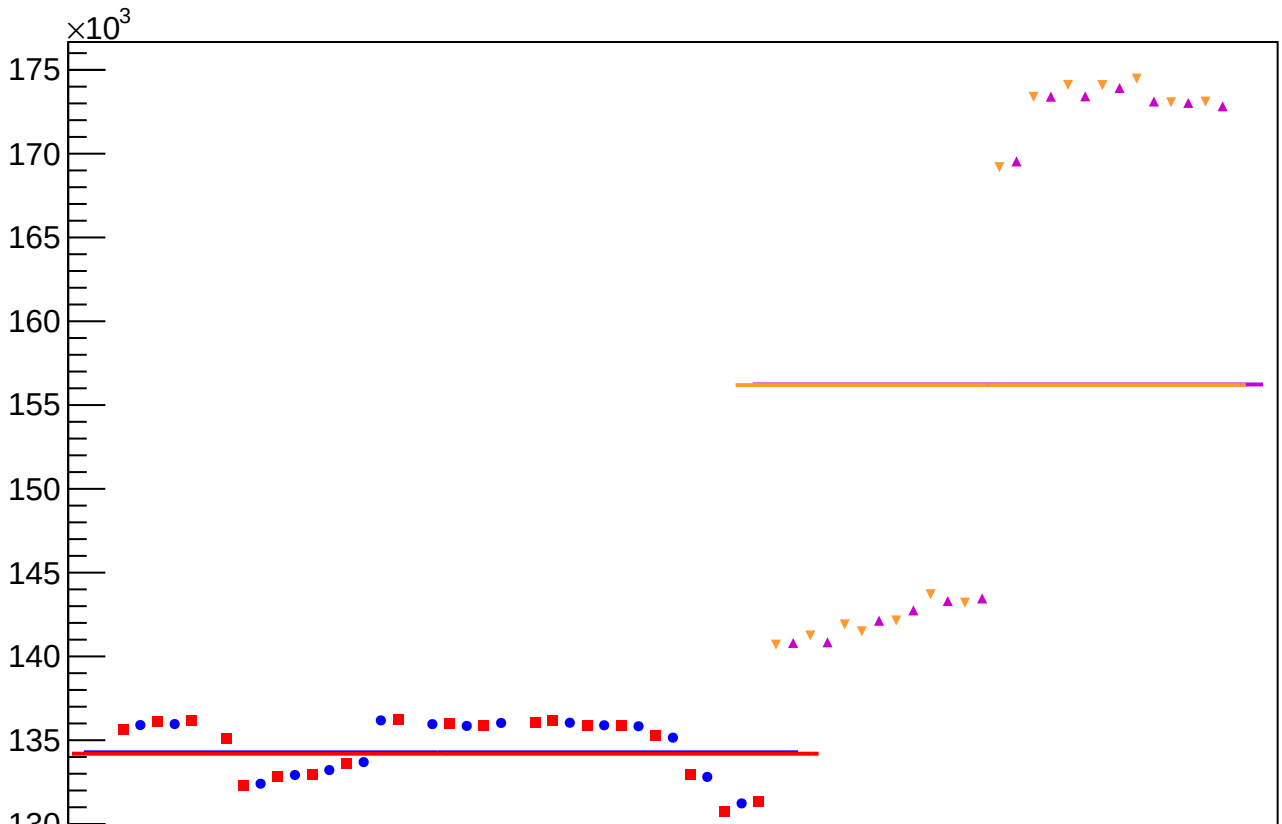
Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 178.844+/-0.031 χ^2/NDF:1409732.4/28

Out: 172.862+/-0.029 χ^2/NDF:1703200.8/32

All: 175.717+/-0.021 χ^2/NDF: 3132848.0/61

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 156190.235+/-0.057 χ^2/NDF:74145793696.3/13

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 156228.549+/-0.059 χ^2/NDF:67898931825.0/12

Left: 156208.733+/-0.041 χ^2/NDF: 142044946061.3

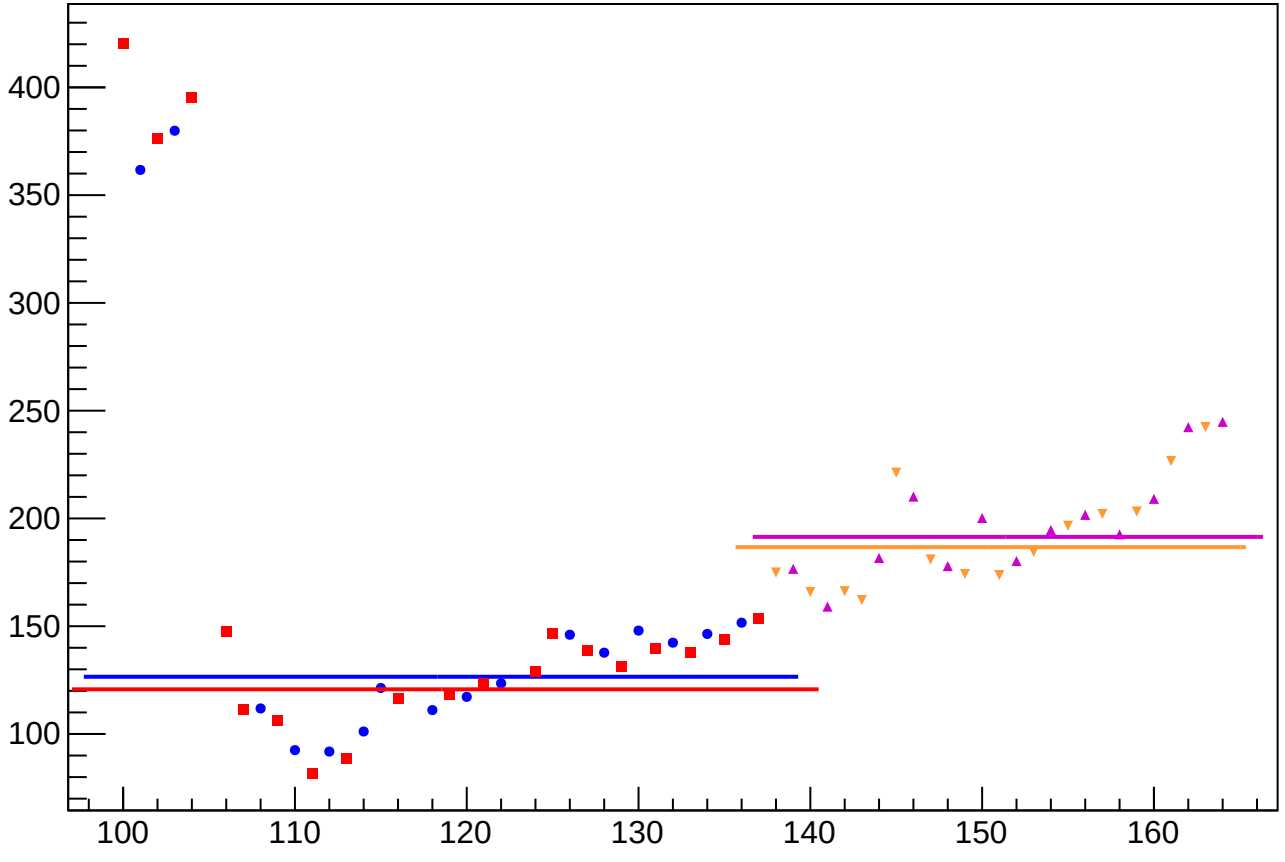
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 143686.984+/-0.038 χ^2/NDF:149016624289.5

Out: 143374.232+/-0.037 χ^2/NDF:163071898688.

All: 143523.128+/-0.027 χ^2/NDF: 31212324

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 186.691+/-0.040 χ^2/NDF:304604.8/13

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 191.441+/-0.041 χ^2/NDF:265521.3/12

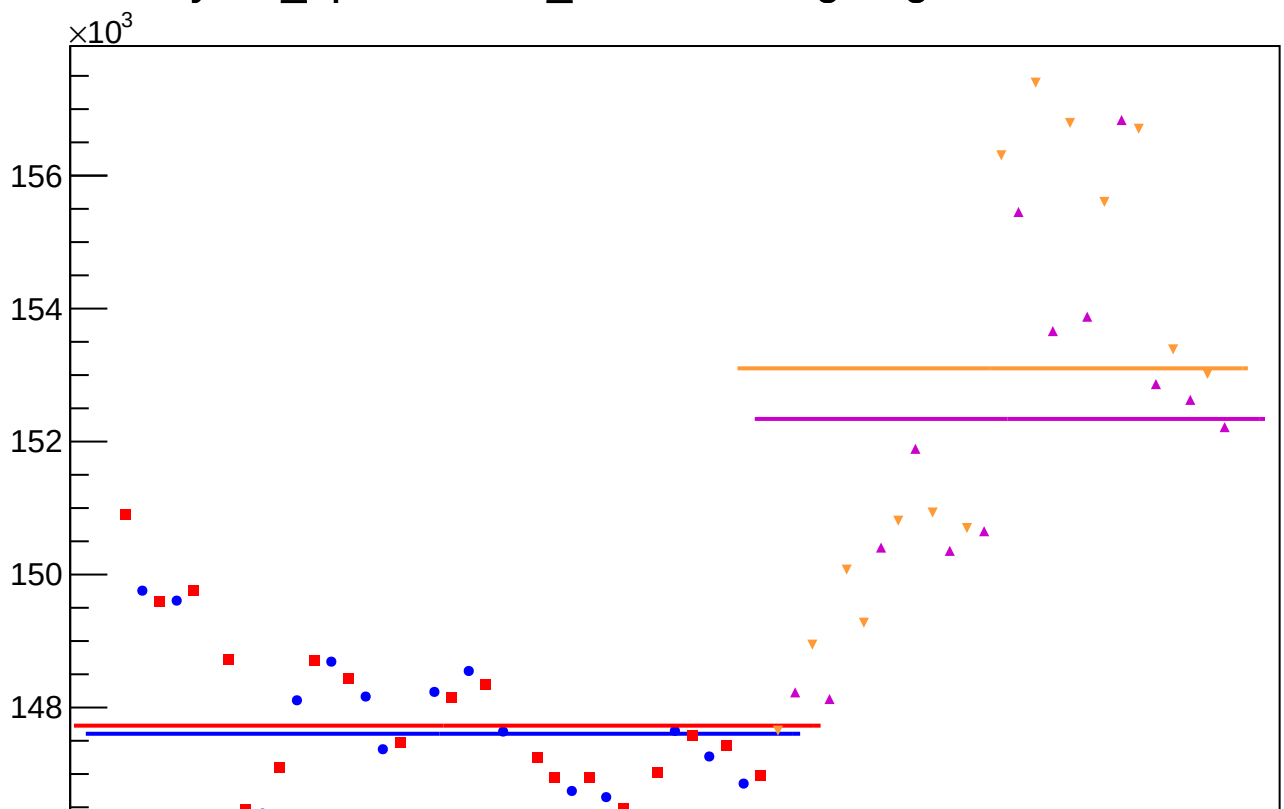
Left: 188.984+/-0.029 χ^2/NDF: 576904.9/26

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 154.369+/-0.027 χ^2/NDF:3140522.5/28

Out: 148.253+/-0.026 χ^2/NDF:3515500.3/32

All: 151.165+/-0.019 χ^2/NDF: 6682579.9/61



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153101.612+/-0.062 χ^2/NDF:2908188189.3/13

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152340.519+/-0.064 χ^2/NDF:1709991750.2/12

Left: 152729.718+/-0.045 χ^2/NDF: 4691023128.1/2

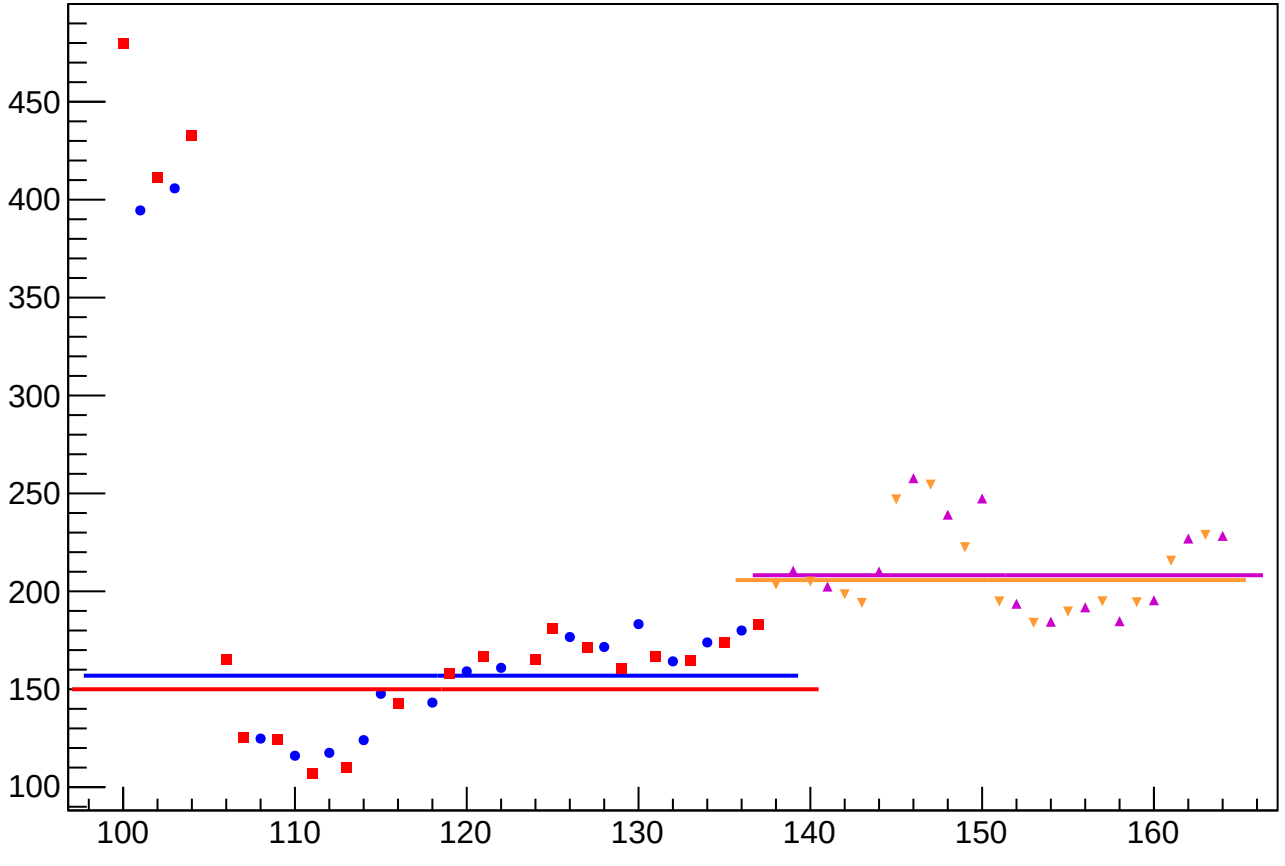
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 149924.499+/-0.045 χ^2/NDF:4723657030.1/28

Out: 150263.922+/-0.043 χ^2/NDF:7027592977.8/3

All: 150101.204+/-0.031 χ^2/NDF: 11781366

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 205.733+/-0.044 χ^2/NDF:192047.0/13

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 208.216+/-0.045 χ^2/NDF:243942.3/12

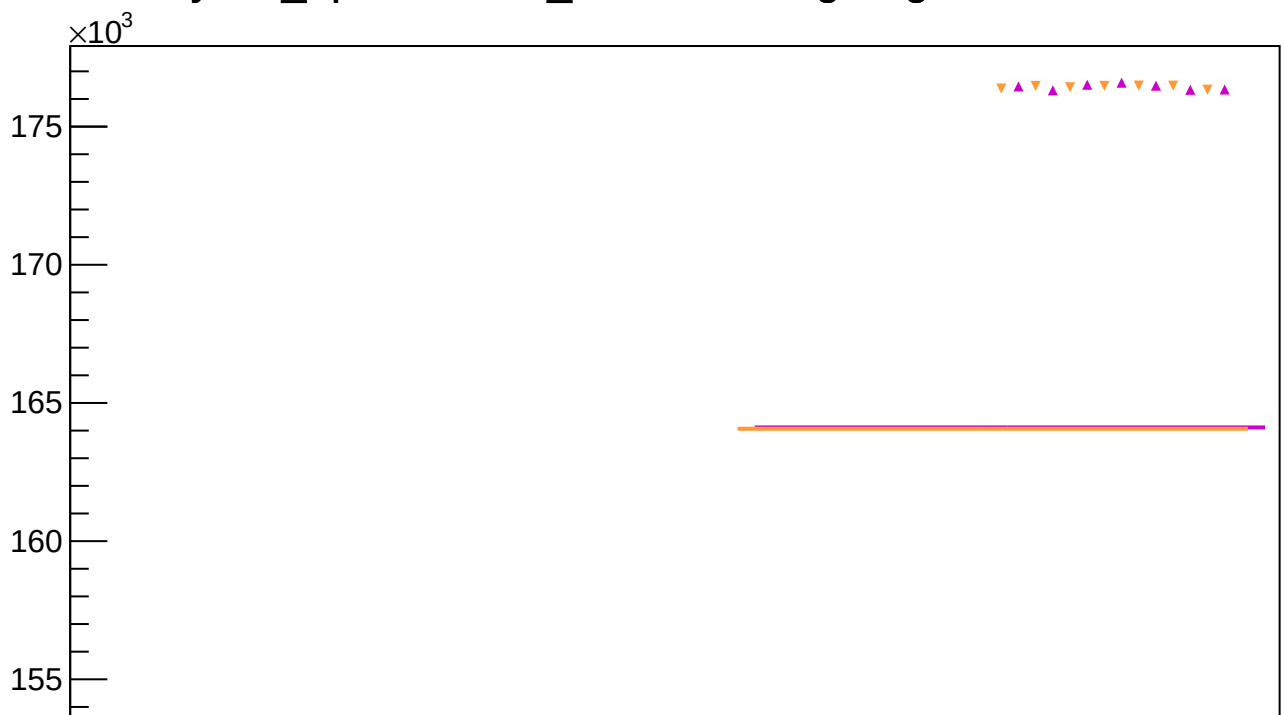
Left: 206.946+/-0.032 χ^2/NDF: 437540.4/26

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 182.046+/-0.032 χ^2/NDF:2169869.4/28

Out: 176.301+/-0.030 χ^2/NDF:2490365.0/32

All: 179.055+/-0.022 χ^2/NDF: 4677490.3/61



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 164067.149+/-0.055 χ^2/NDF:46739010078.6/13

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 164114.776+/-0.057 χ^2/NDF:43918022957.4/12

Left: 164090.135+/-0.040 χ^2/NDF: 90657392278.3

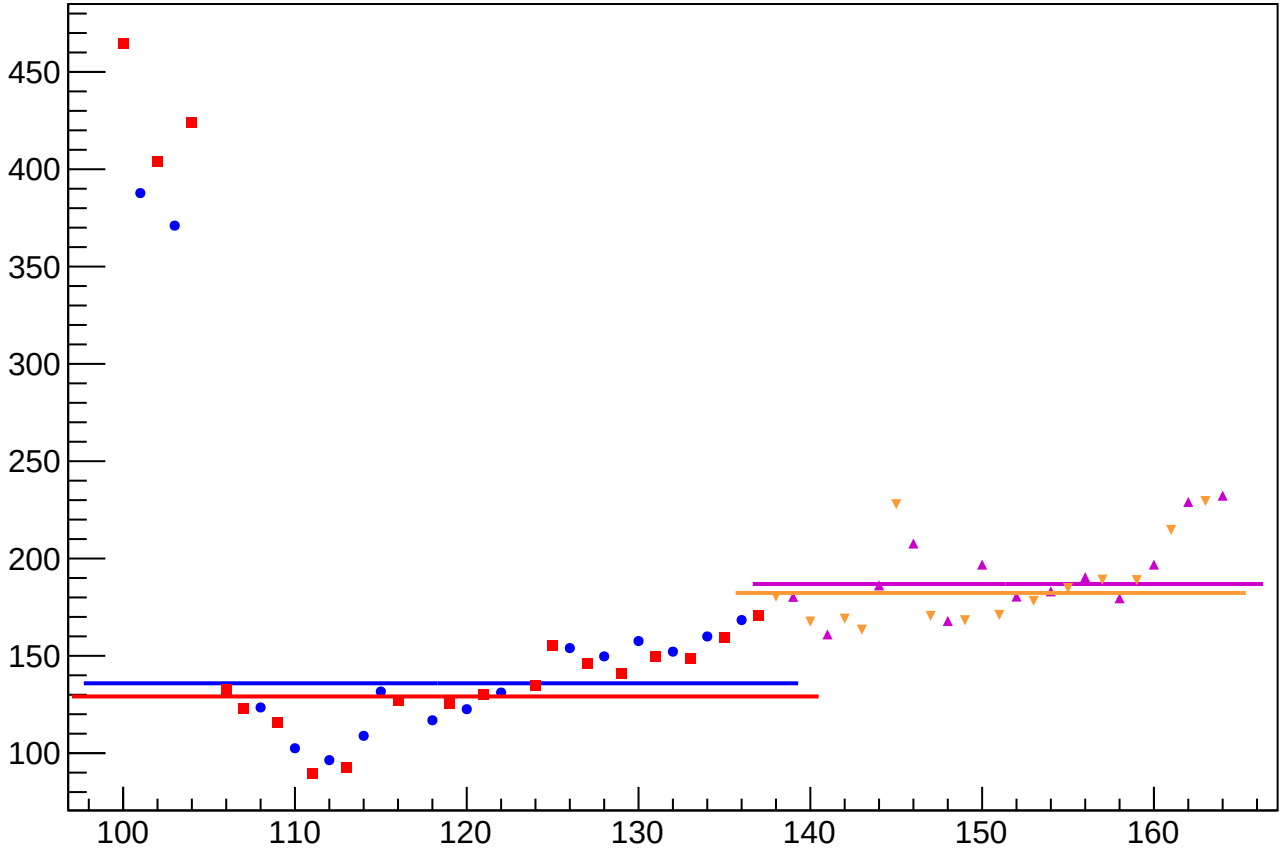
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 157033.423+/-0.039 χ^2/NDF:73519209307.9/2

Out: 156778.470+/-0.037 χ^2/NDF:79239914179.3

All: 156899.219+/-0.027 χ^2/NDF: 15278107

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 182.327+/-0.039 χ^2/NDF:244000.7/13

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 186.904+/-0.040 χ^2/NDF:200647.2/12

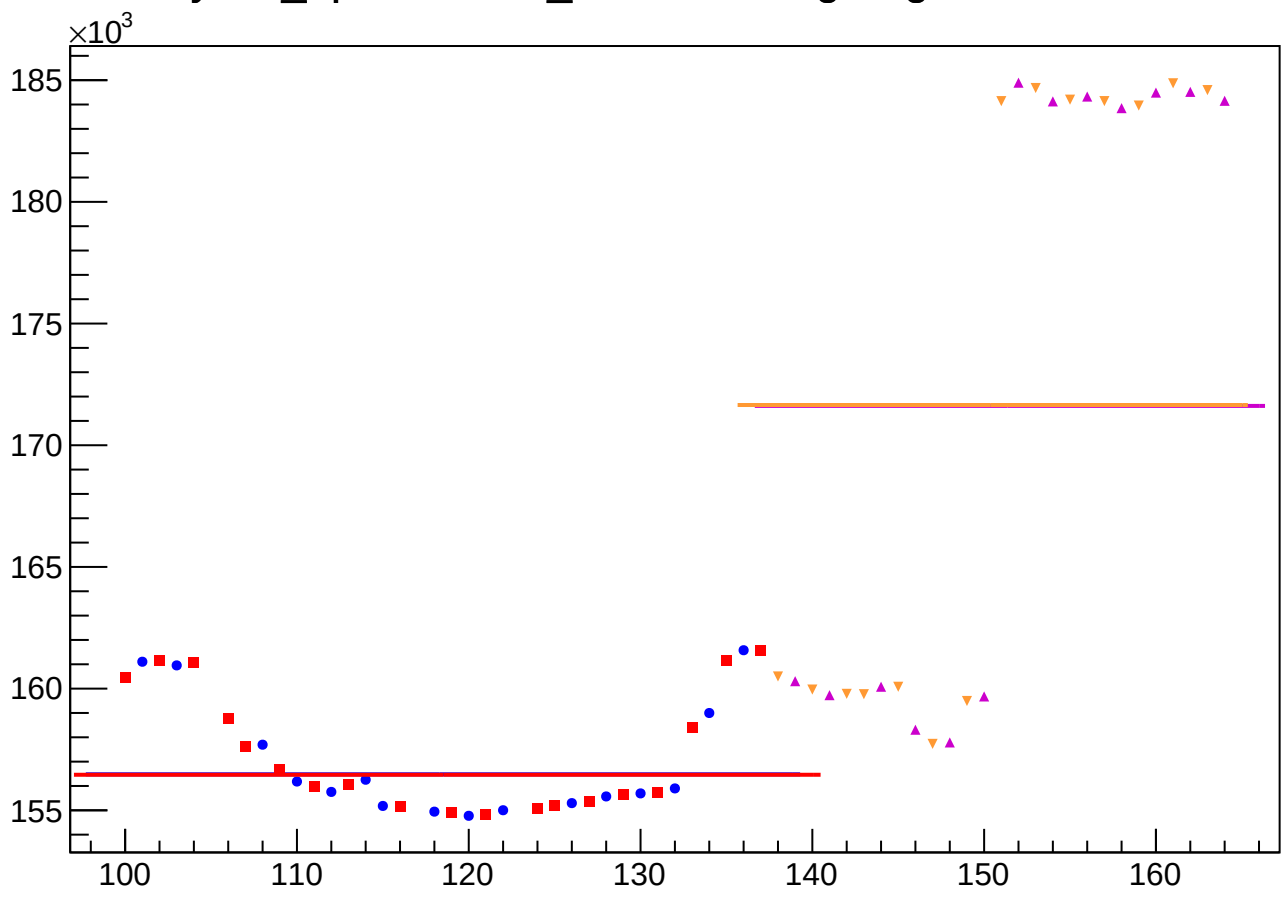
Left: 184.536+/-0.028 χ^2/NDF: 451283.1/26

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

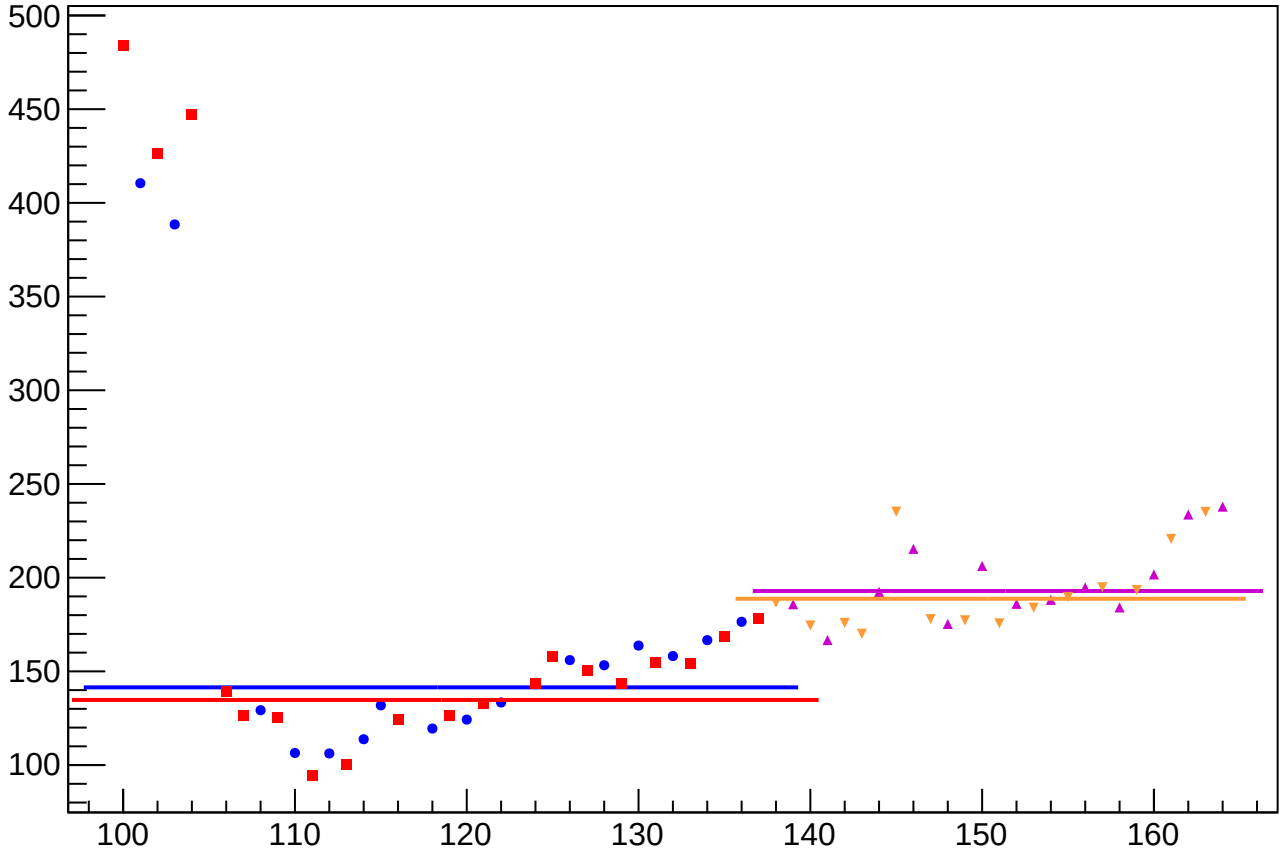
In: 160.239+/-0.028 χ^2/NDF:2449682.3/28

Out: 153.618+/-0.026 χ^2/NDF:2860678.0/32

All: 156.754+/-0.019 χ^2/NDF: 5339966.1/61


yield_bpm2i02WS_mean vs Slug, Sign Corrected
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
160
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 171653.395+/-0.057 χ²/NDF:47162772280.9/13
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 171616.103+/-0.059 χ²/NDF:45053835712.5/12
Left: 171635.343+/-0.041 χ²/NDF: 92216814294.4/
Right: 156468.838+/-0.039 χ²/NDF: 2390033091.6/
In: 163764.825+/-0.041 χ²/NDF:80515273630.1/2
Out: 163506.769+/-0.039 χ²/NDF:86192686481.4
All: 163629.291+/-0.028 χ²/NDF: 16672885

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 188.751+/-0.040 χ^2/NDF:223532.3/13

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 192.891+/-0.042 χ^2/NDF:190385.9/12

Left: 190.755+/-0.029 χ^2/NDF: 419001.5/26

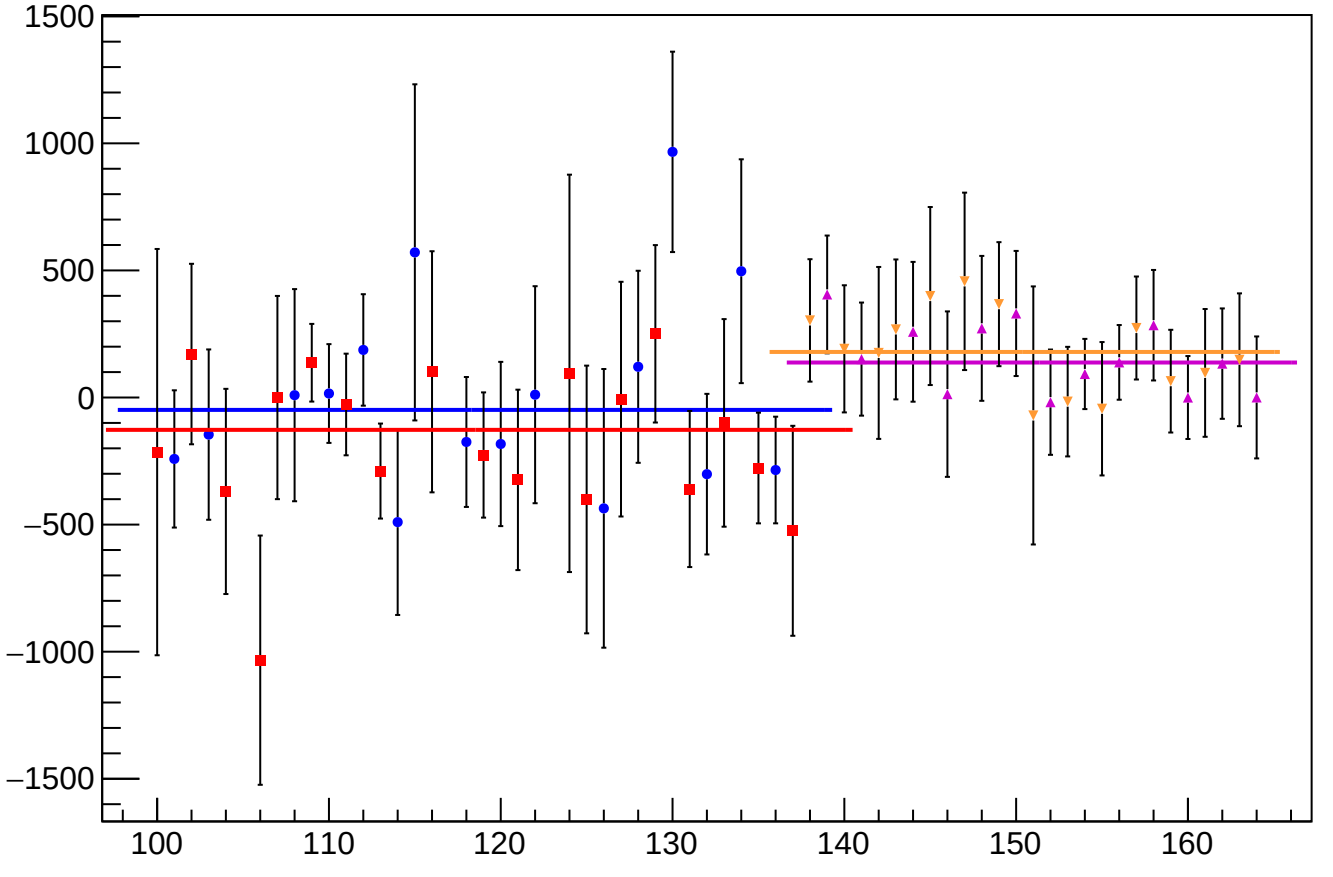
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 166.221+/-0.029 χ^2/NDF:2370908.1/28

Out: 159.793+/-0.028 χ^2/NDF:2761098.3/32

All: 162.845+/-0.020 χ^2/NDF: 5157935.4/61

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 179.280+/-69.406 χ^2/NDF:4.4/13

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 137.662+/-56.826 χ^2/NDF:4.7/12

Left: 154.364+/-43.969 χ^2/NDF: 9.3/26

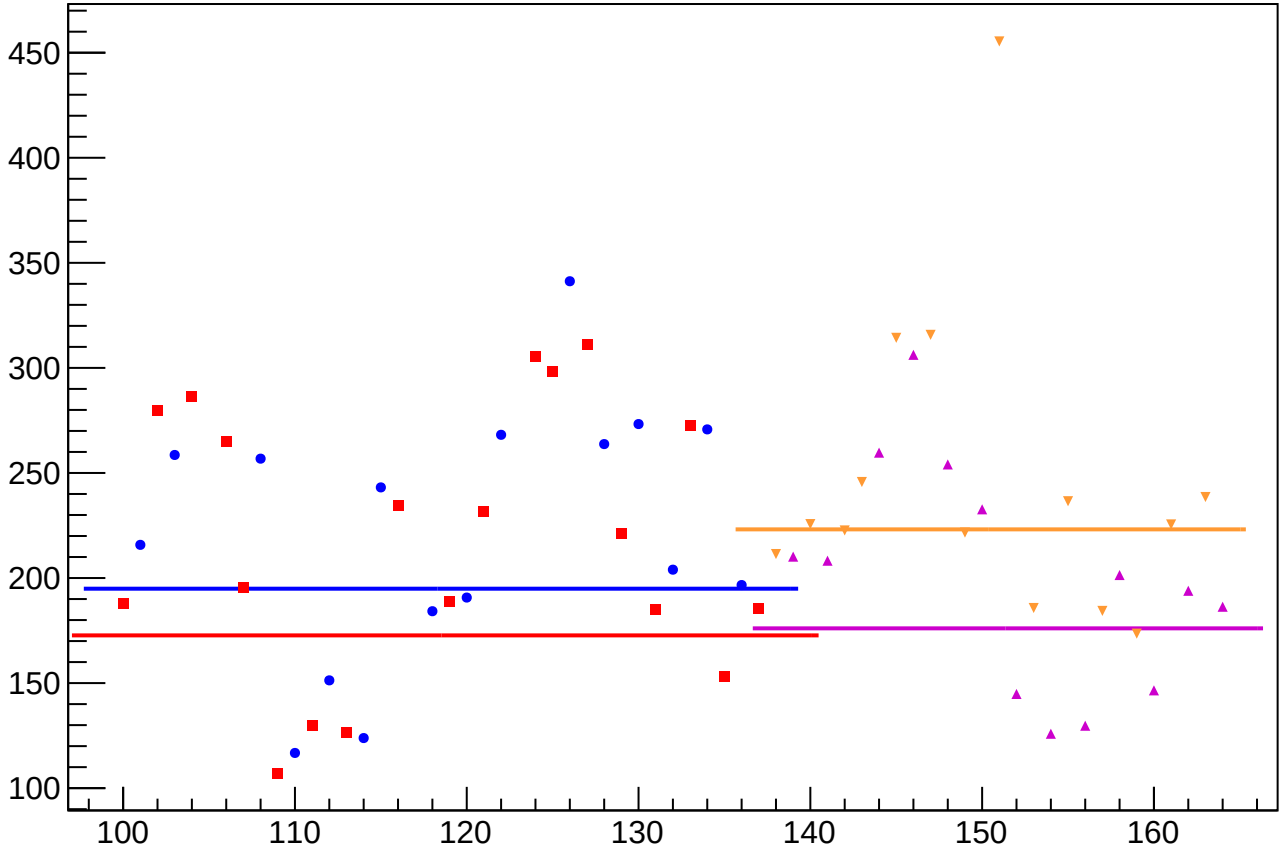
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 71.480+/-45.637 χ^2/NDF:23.9/28

Out: 24.014+/-48.756 χ^2/NDF:27.2/32

All: 49.314+/-33.318 χ^2/NDF: 51.6/61

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 223.157+/-0.049 χ^2/NDF:979708.2/13

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 176.050+/-0.040 χ^2/NDF:1463746.8/12

Left: 194.955+/-0.031 χ^2/NDF: 2995022.4/26

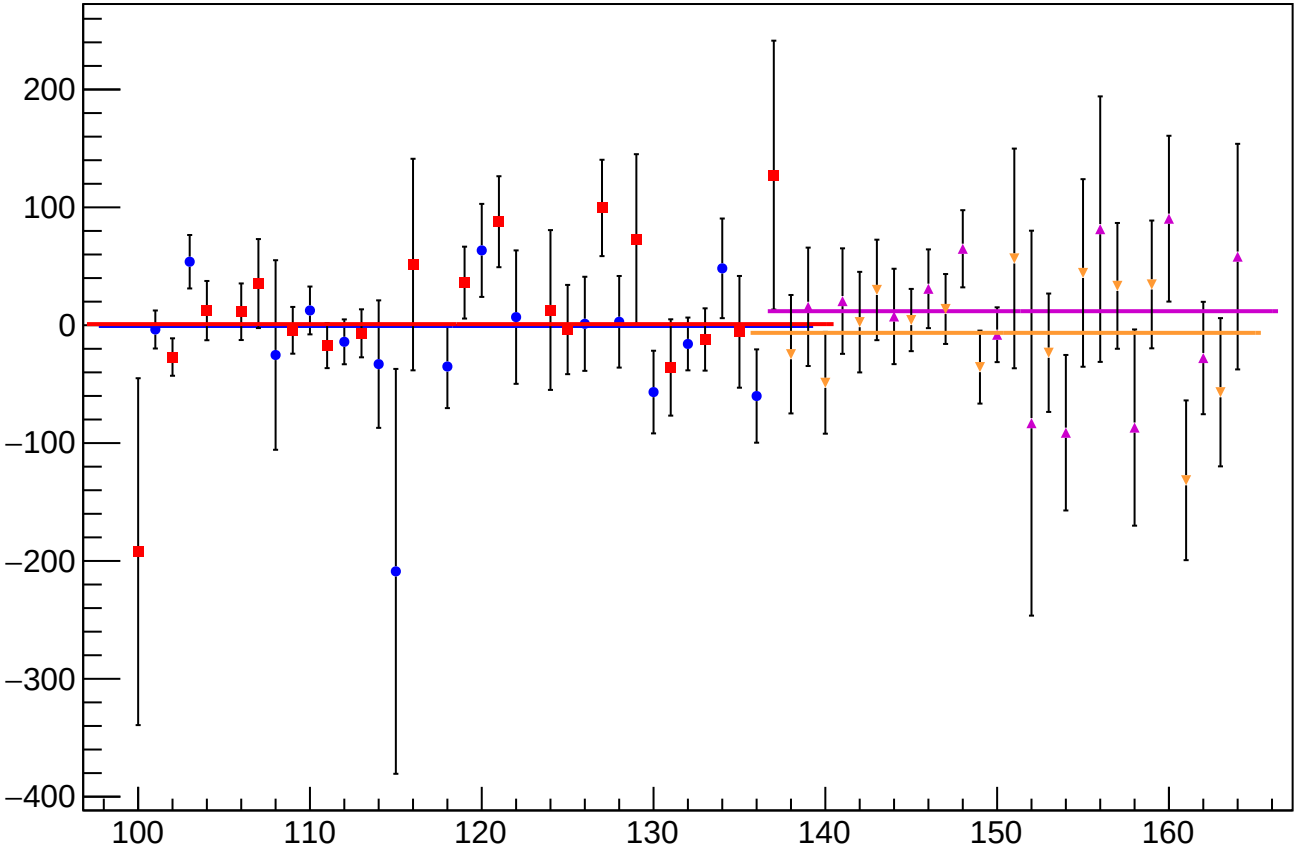
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 182.750+/-0.032 χ^2/NDF:2570970.8/28

Out: 197.601+/-0.034 χ^2/NDF:3146369.2/32

All: 189.685+/-0.024 χ^2/NDF: 5816241.5/61

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -6.472+/-11.564 χ^2/NDF:9.5/13

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 11.903+/-12.474 χ^2/NDF:10.5/12

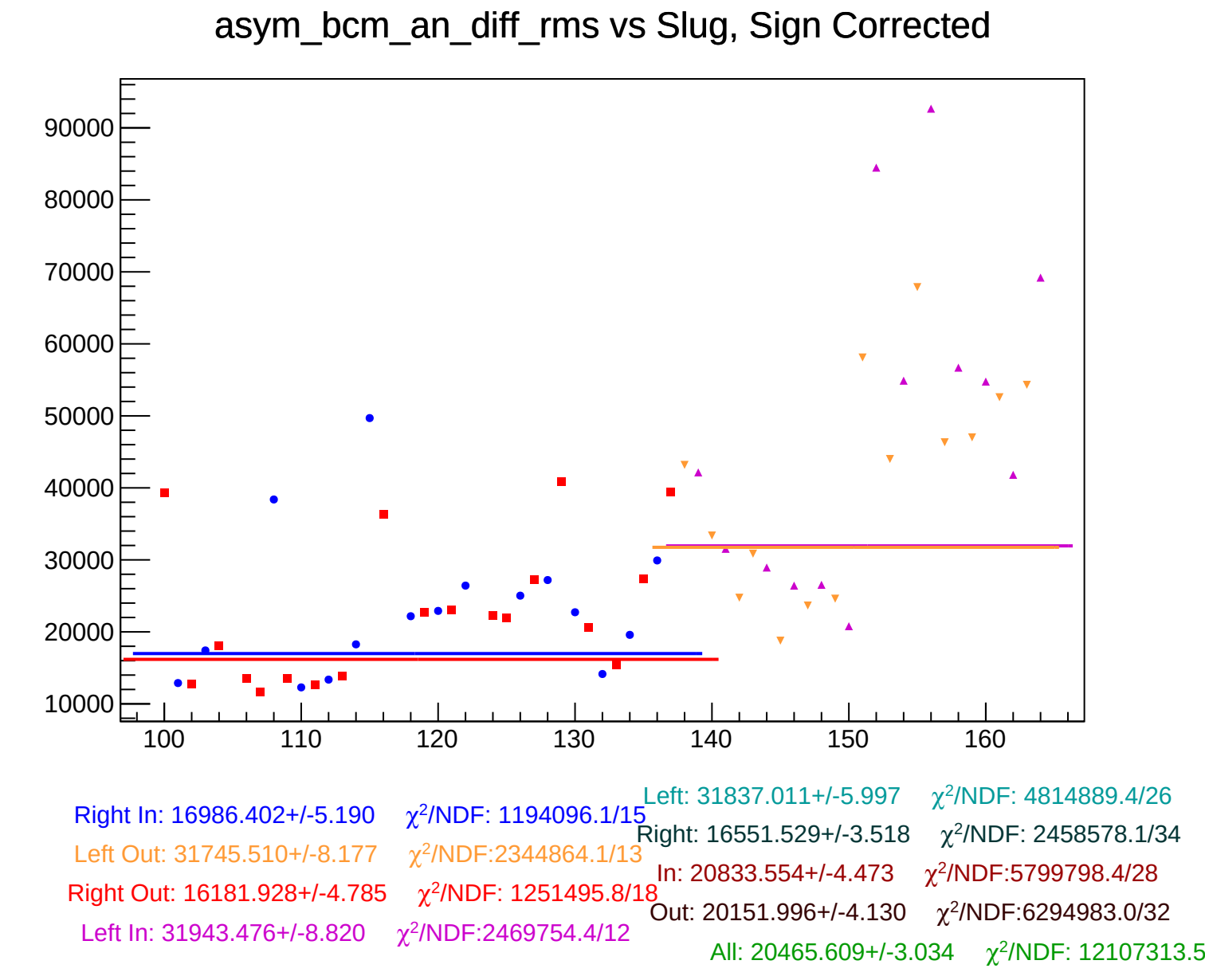
Left: 2.021+/-8.480 χ^2/NDF: 21.2/26

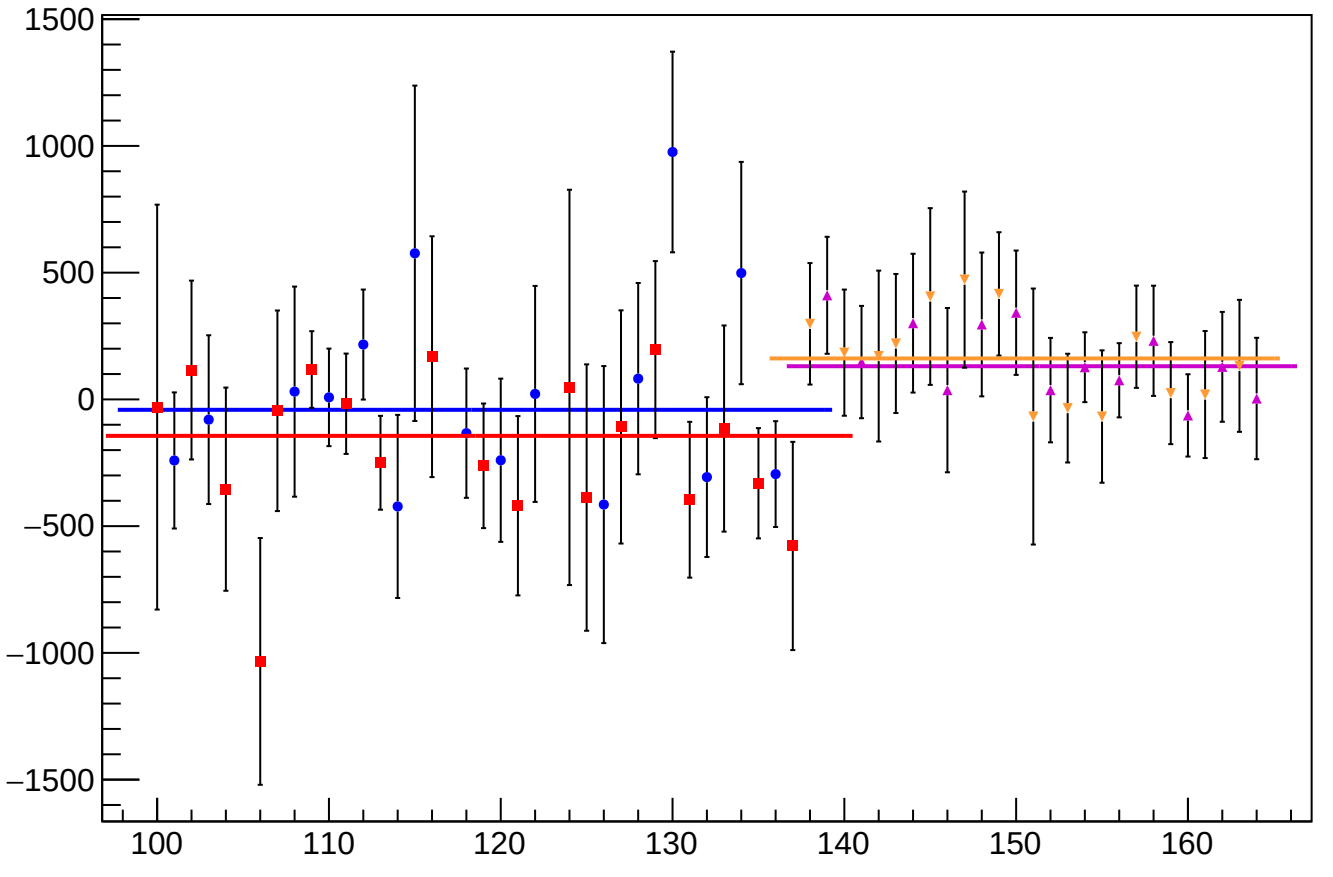
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.598+/-6.326 χ^2/NDF:30.1/28

Out: -0.953+/-5.840 χ^2/NDF:32.9/32

All: 0.681+/-4.291 χ^2/NDF: 63.2/61


asym_bcm_an_diff_rms vs Slug, Sign Corrected
90000
80000
70000
60000
50000
40000
30000
20000
10000
100
110
120
130
140
150
160
Right In: 16986.402+/-5.190 χ²/NDF: 1194096.1/15
Left Out: 31745.510+/-8.177 χ²/NDF:2344864.1/13
Right Out: 16181.928+/-4.785 χ²/NDF: 1251495.8/18
Left In: 31943.476+/-8.820 χ²/NDF:2469754.4/12
Left: 31837.011+/-5.997 χ²/NDF: 4814889.4/26
Right: 16551.529+/-3.518 χ²/NDF: 2458578.1/34
In: 20833.554+/-4.473 χ²/NDF:5799798.4/28
Out: 20151.996+/-4.130 χ²/NDF:6294983.0/32
All: 20465.609+/-3.034 χ²/NDF: 12107313.5



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 161.640+/-69.119 χ^2/NDF:5.6/13

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 130.853+/-56.635 χ^2/NDF:5.3/12

Left: 143.220+/-43.807 χ^2/NDF: 11.0/26

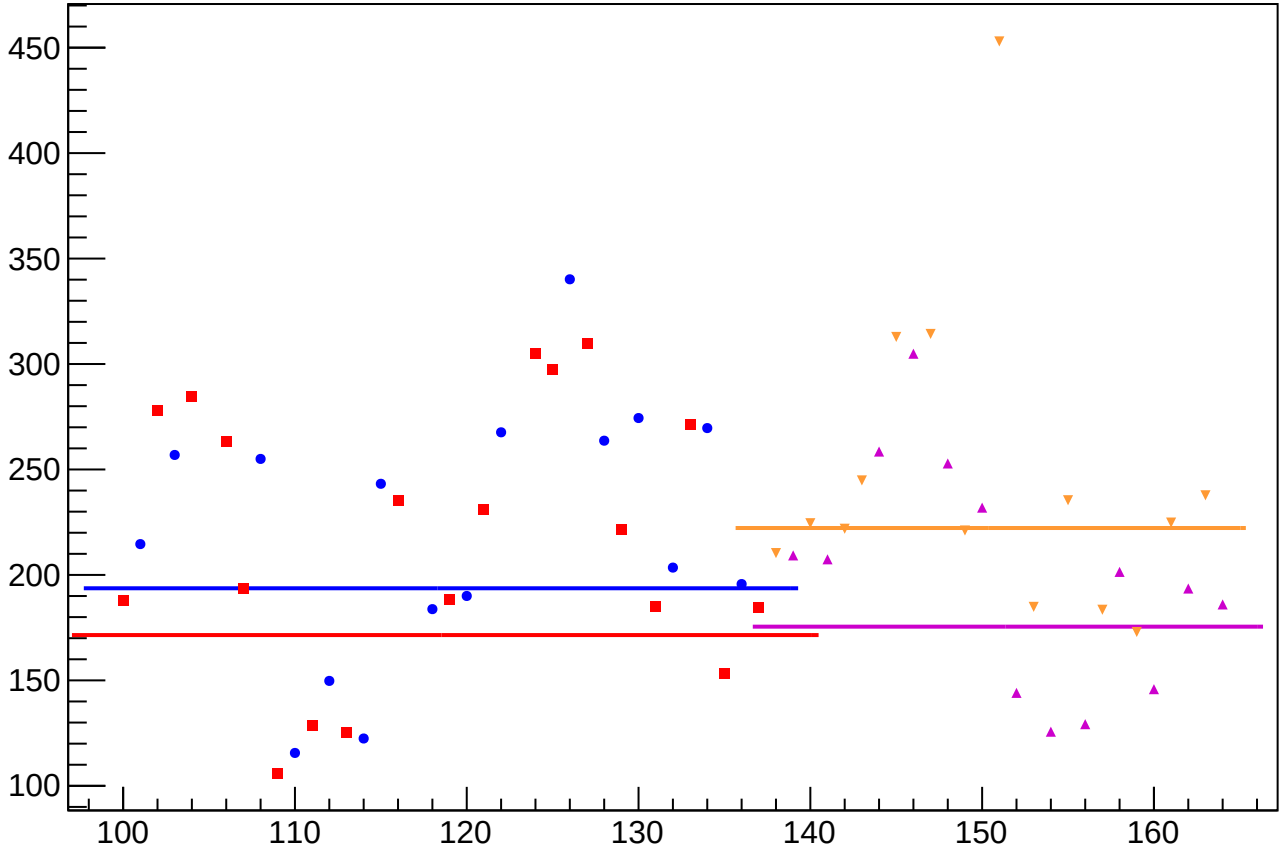
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 69.639+/-45.446 χ^2/NDF:24.0/28

Out: 6.598+/-48.503 χ^2/NDF:28.5/32

All: 40.168+/-33.163 χ^2/NDF: 53.4/61

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 222.245+/-0.049 χ^2/NDF:978514.4/13

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 175.473+/-0.040 χ^2/NDF:1461979.3/12

Left: 194.261+/-0.031 χ^2/NDF: 2988447.3/26

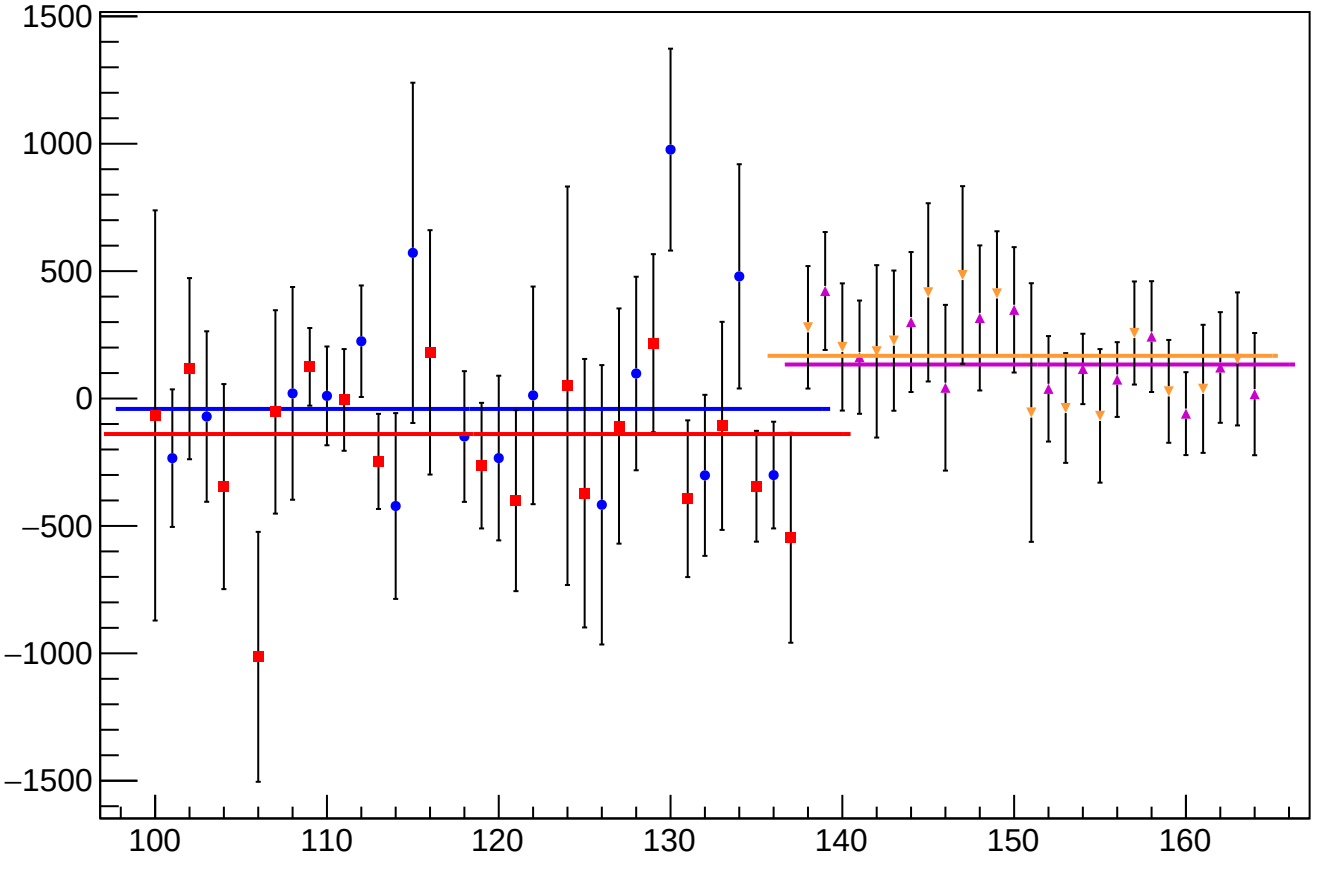
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 181.953+/-0.032 χ^2/NDF:2585280.7/28

Out: 196.480+/-0.034 χ^2/NDF:3179030.2/32

All: 188.744+/-0.023 χ^2/NDF: 5859853.7/61

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 167.678+/-69.339 χ^2/NDF:5.5/13

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 133.546+/-56.775 χ^2/NDF:5.5/12

Left: 147.245+/-43.928 χ^2/NDF: 11.1/26

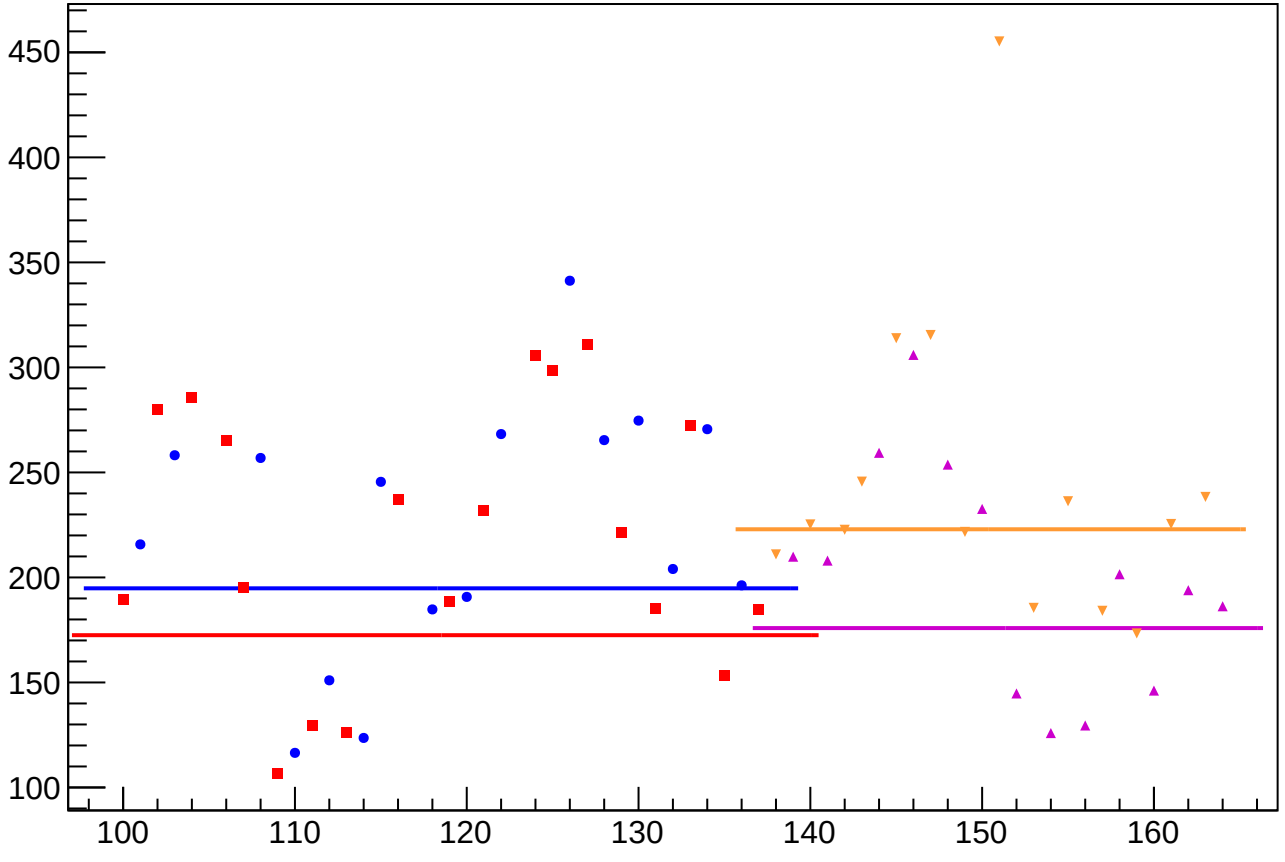
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 71.706+/-45.608 χ^2/NDF:24.2/28

Out: 12.233+/-48.716 χ^2/NDF:28.3/32

All: 43.927+/-33.294 χ^2/NDF: 53.3/61

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 222.934+/-0.049 χ^2/NDF:980766.7/13

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 175.887+/-0.040 χ^2/NDF:1464555.2/12

Left: 194.770+/-0.031 χ^2/NDF: 2996498.0/26

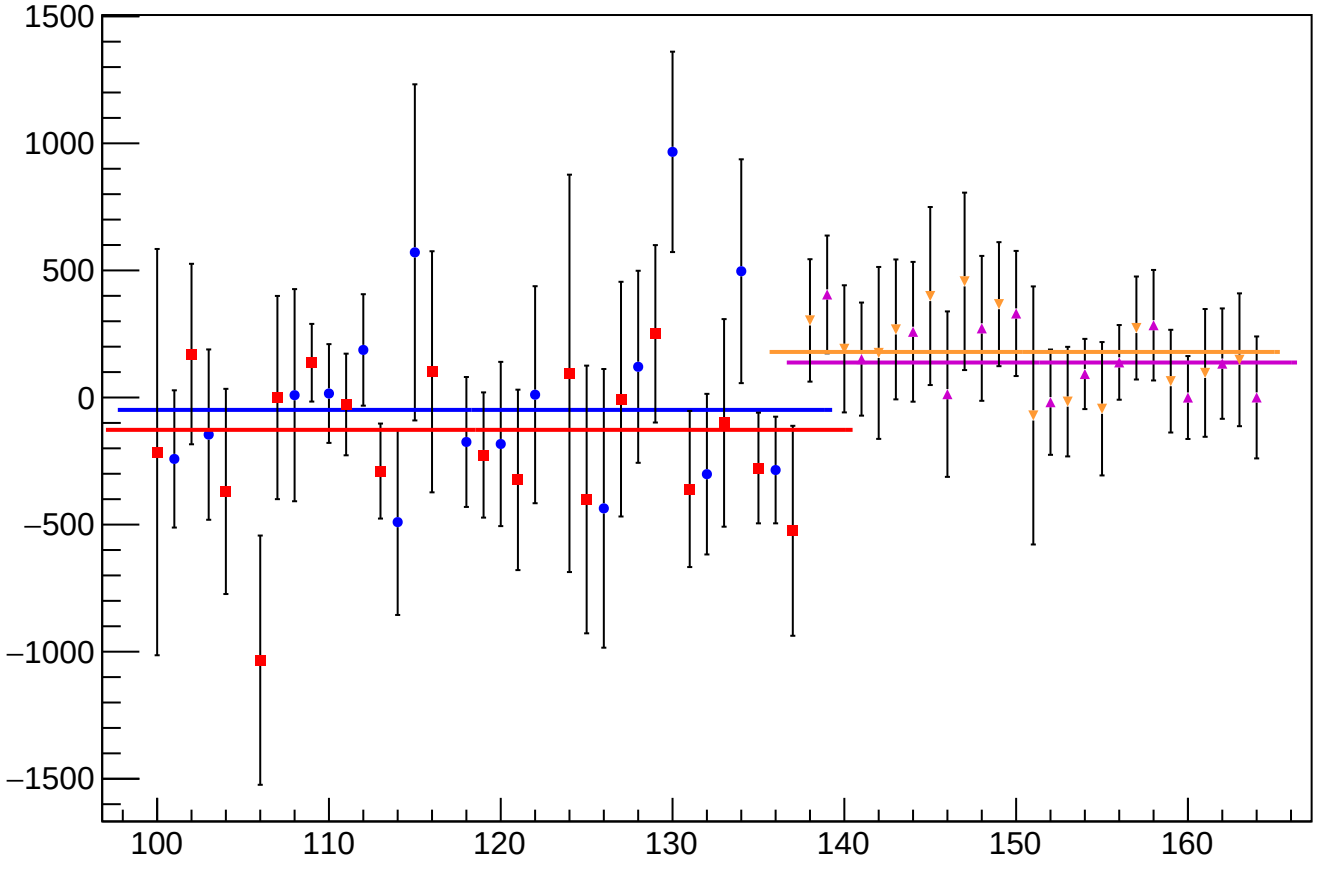
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 182.603+/-0.032 χ^2/NDF:2582531.8/28

Out: 197.398+/-0.034 χ^2/NDF:3158472.3/32

All: 189.513+/-0.024 χ^2/NDF: 5839316.5/61

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 179.280+/-69.406 χ^2/NDF:4.4/13

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 137.662+/-56.826 χ^2/NDF:4.7/12

Left: 154.364+/-43.969 χ^2/NDF: 9.3/26

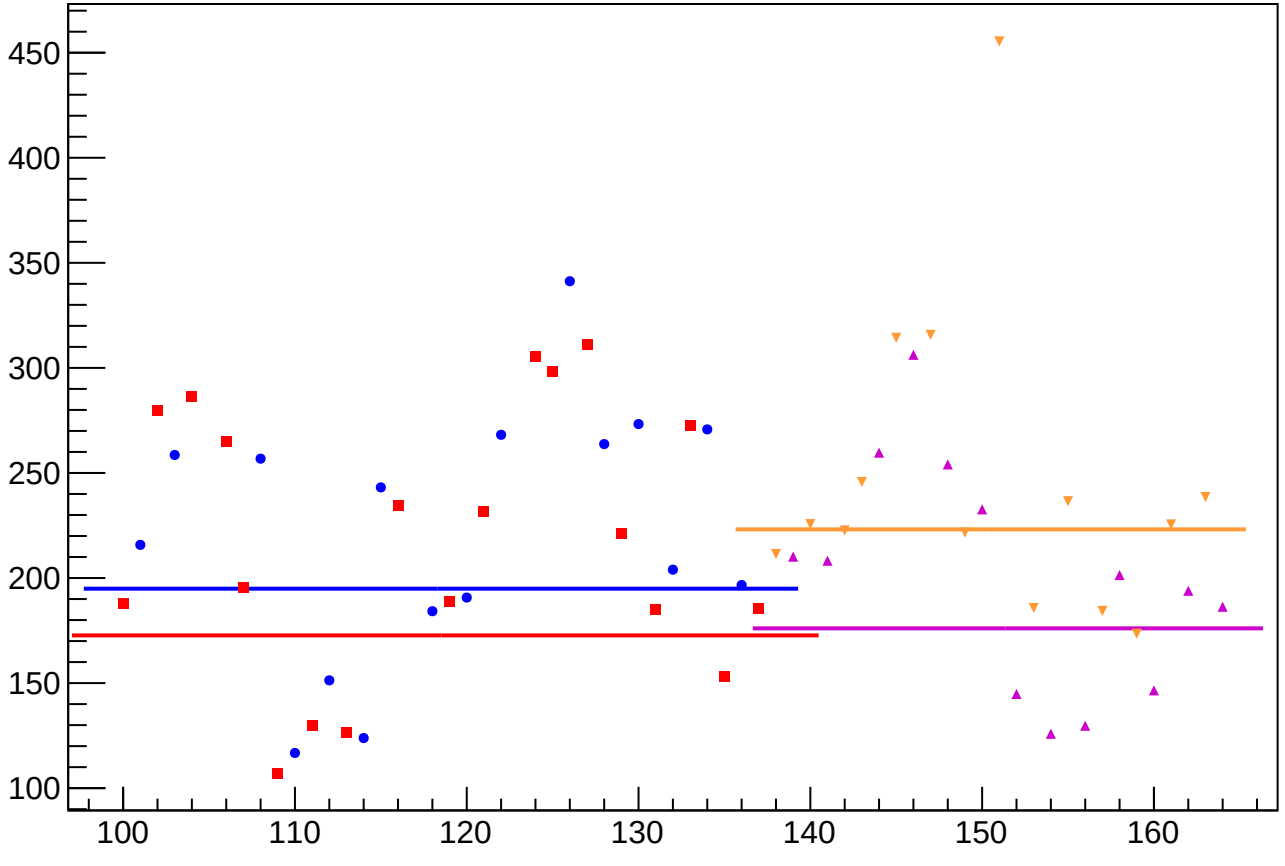
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 71.480+/-45.637 χ^2/NDF:23.9/28

Out: 24.014+/-48.756 χ^2/NDF:27.2/32

All: 49.314+/-33.318 χ^2/NDF: 51.6/61

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 223.157+/-0.049 χ^2/NDF:979708.2/13

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 176.050+/-0.040 χ^2/NDF:1463746.8/12

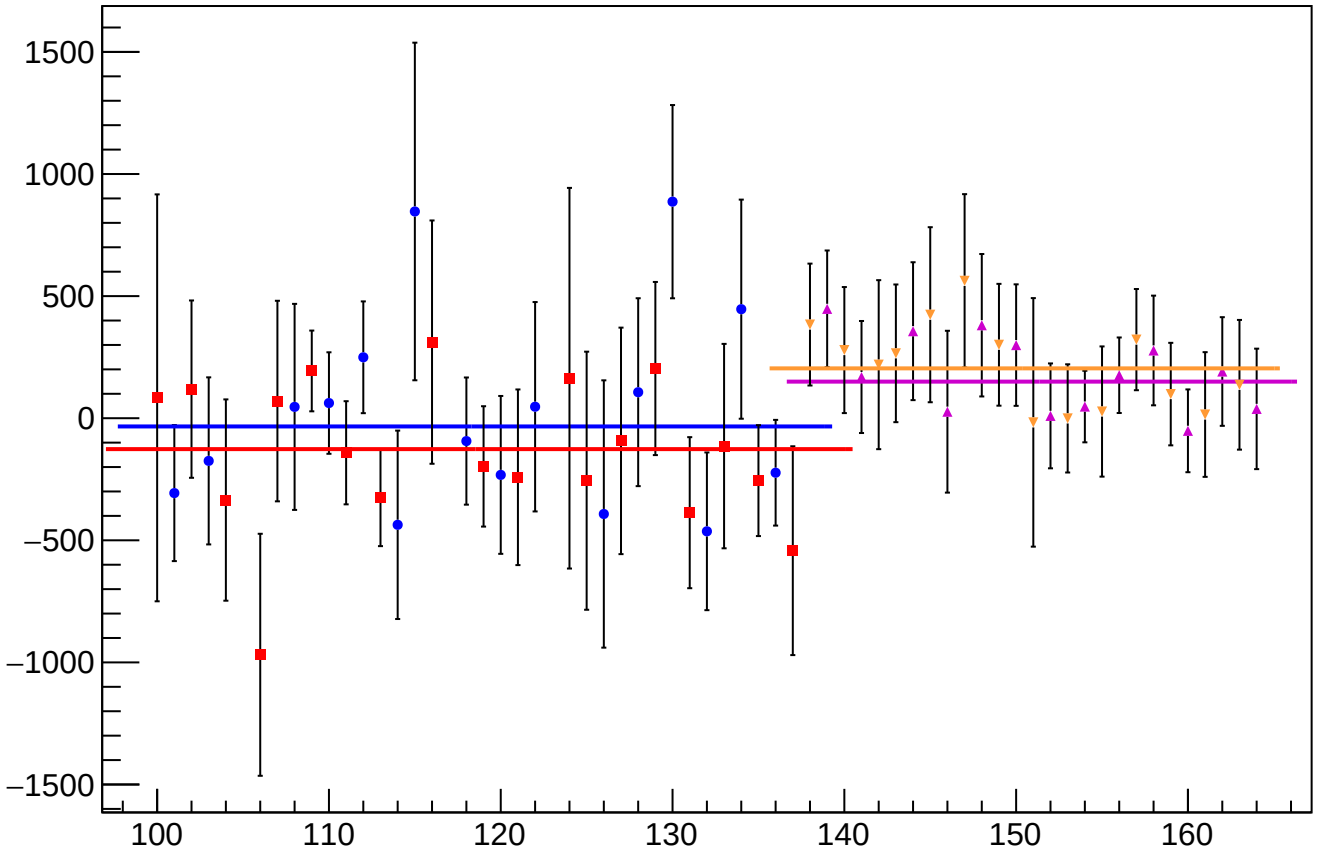
Left: 194.955+/-0.031 χ^2/NDF: 2995022.4/26

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 182.750+/-0.032 χ^2/NDF:2570970.8/28

Out: 197.601+/-0.034 χ^2/NDF:3146369.2/32

All: 189.685+/-0.024 χ^2/NDF: 5816241.5/61



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 204.113+/-71.142 χ^2/NDF:4.9/13

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 149.825+/-58.990 χ^2/NDF:6.1/12

Left: 171.943+/-45.410 χ^2/NDF: 11.3/26

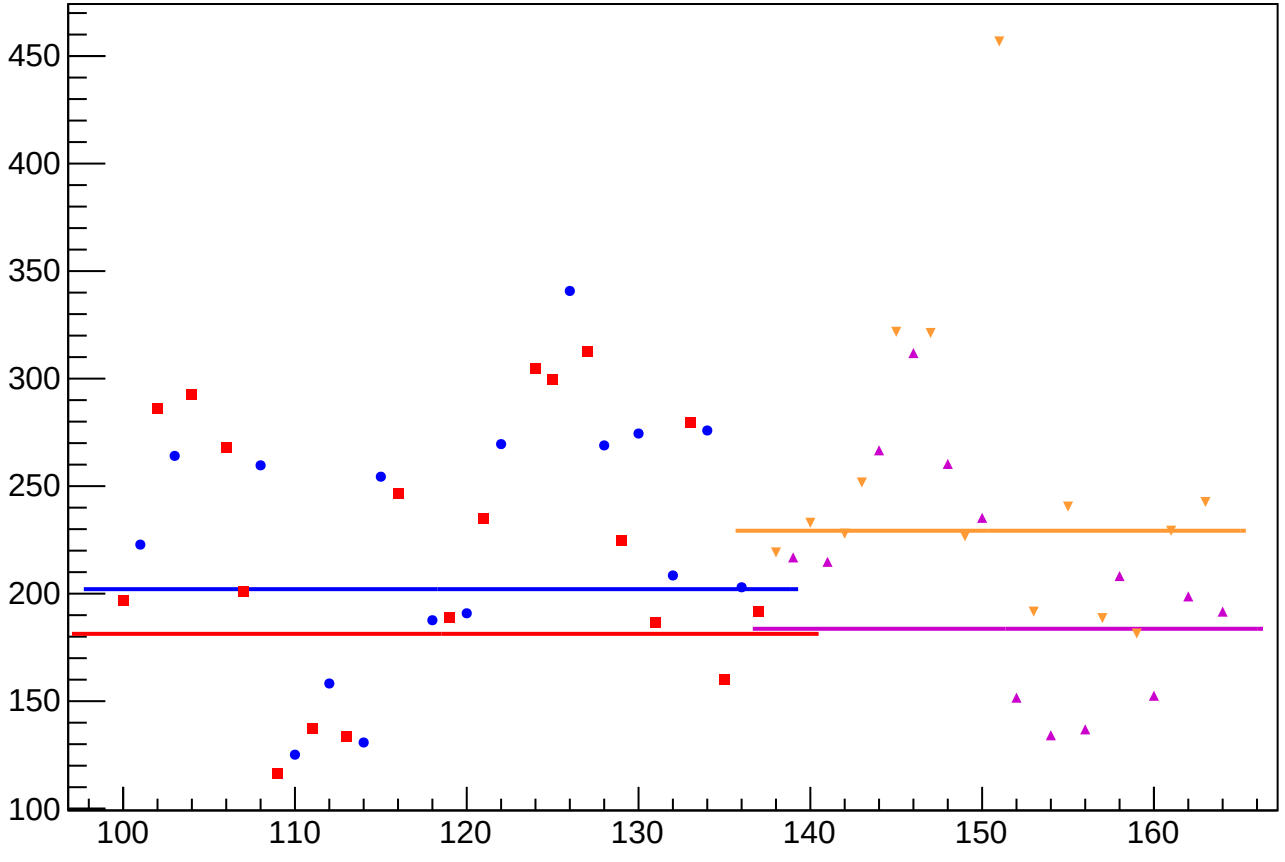
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 84.112+/-47.266 χ^2/NDF:25.3/28

Out: 39.162+/-50.364 χ^2/NDF:28.3/32

All: 63.062+/-34.465 χ^2/NDF: 54.1/61

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 229.263+/-0.050 χ^2/NDF:930569.4/13

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 183.668+/-0.042 χ^2/NDF:1330184.6/12

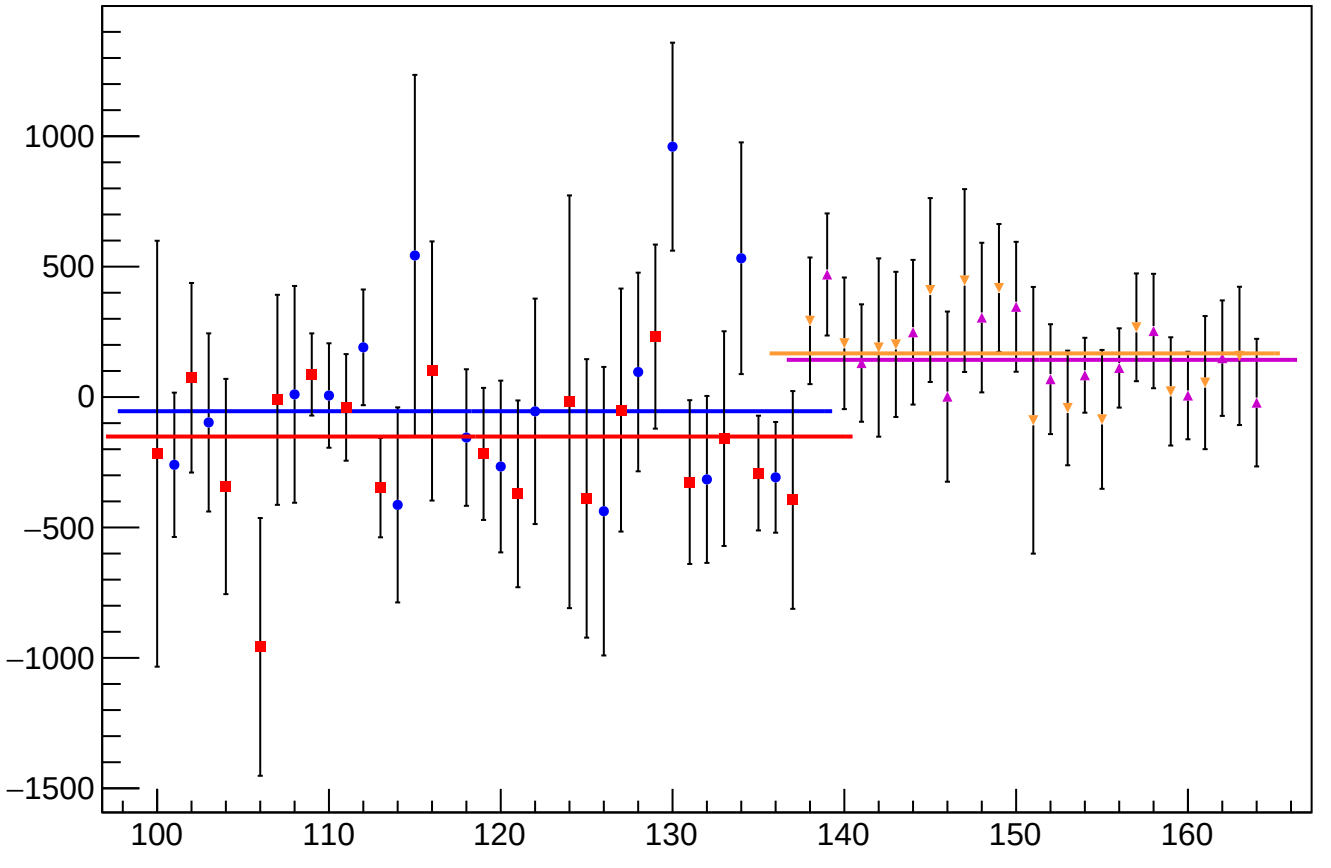
Left: 202.244+/-0.032 χ^2/NDF: 2747559.2/26

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 190.263+/-0.033 χ^2/NDF:2310275.3/28

Out: 205.344+/-0.036 χ^2/NDF:2824783.4/32

All: 197.325+/-0.024 χ^2/NDF: 5230404.3/61



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 167.347+/-70.388 χ^2/NDF:5.4/13

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 142.662+/-58.087 χ^2/NDF:5.0/12

Left: 152.663+/-44.802 χ^2/NDF: 10.5/26

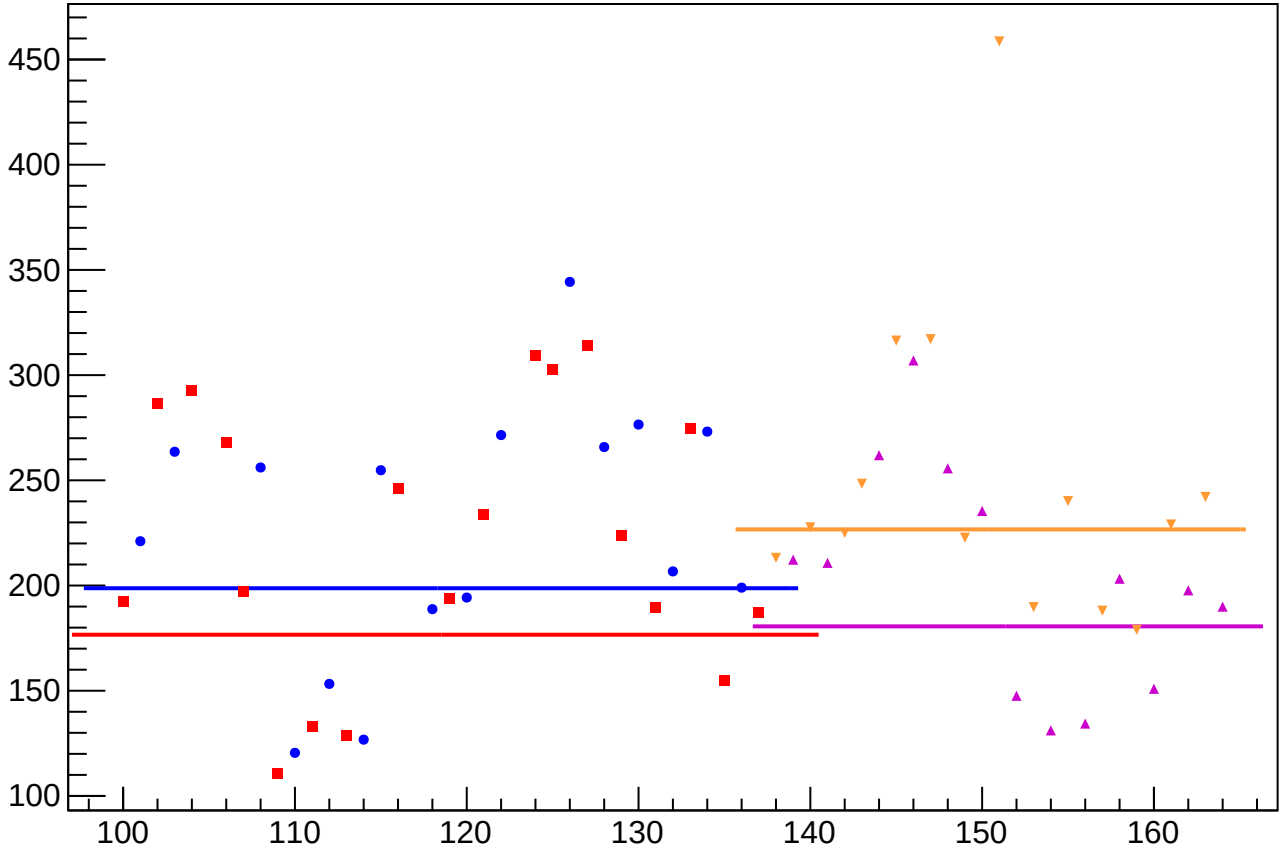
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 72.351+/-46.576 χ^2/NDF:24.2/28

Out: 6.889+/-49.599 χ^2/NDF:26.0/32

All: 41.676+/-33.953 χ^2/NDF: 51.1/61

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 226.673+/-0.050 χ^2/NDF:937332.6/13

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 180.595+/-0.041 χ^2/NDF:1348399.0/12

Left: 199.262+/-0.032 χ^2/NDF: 2795602.5/26

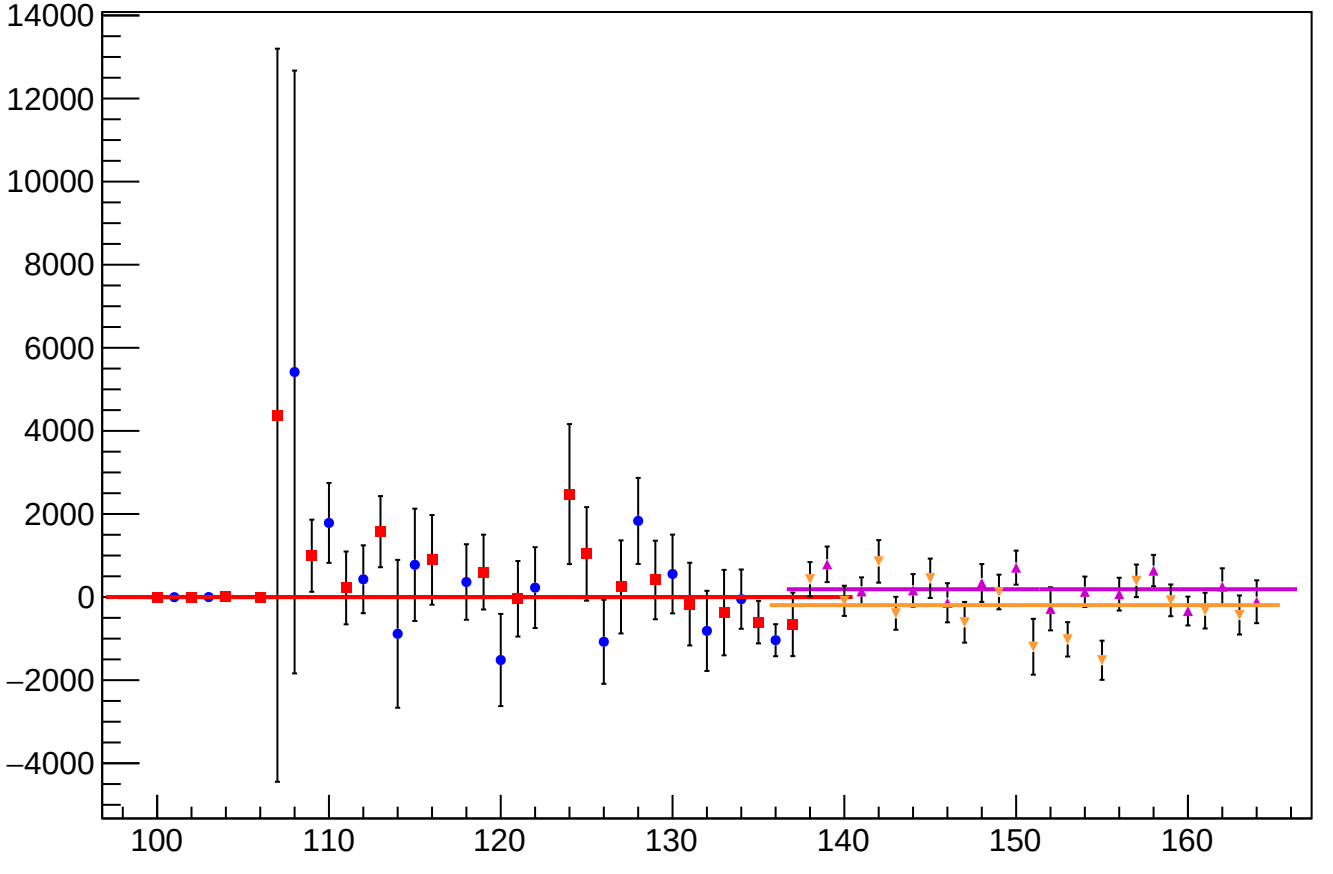
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 187.066+/-0.033 χ^2/NDF:2411988.7/28

Out: 201.474+/-0.035 χ^2/NDF:3042189.7/32

All: 193.817+/-0.024 χ^2/NDF: 5543861.1/61

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -193.871+/-116.360 χ^2/NDF:26.8/13

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 188.464+/-113.302 χ^2/NDF:9.2/12

Left: 2.386+/-81.176 χ^2/NDF: 41.5/26

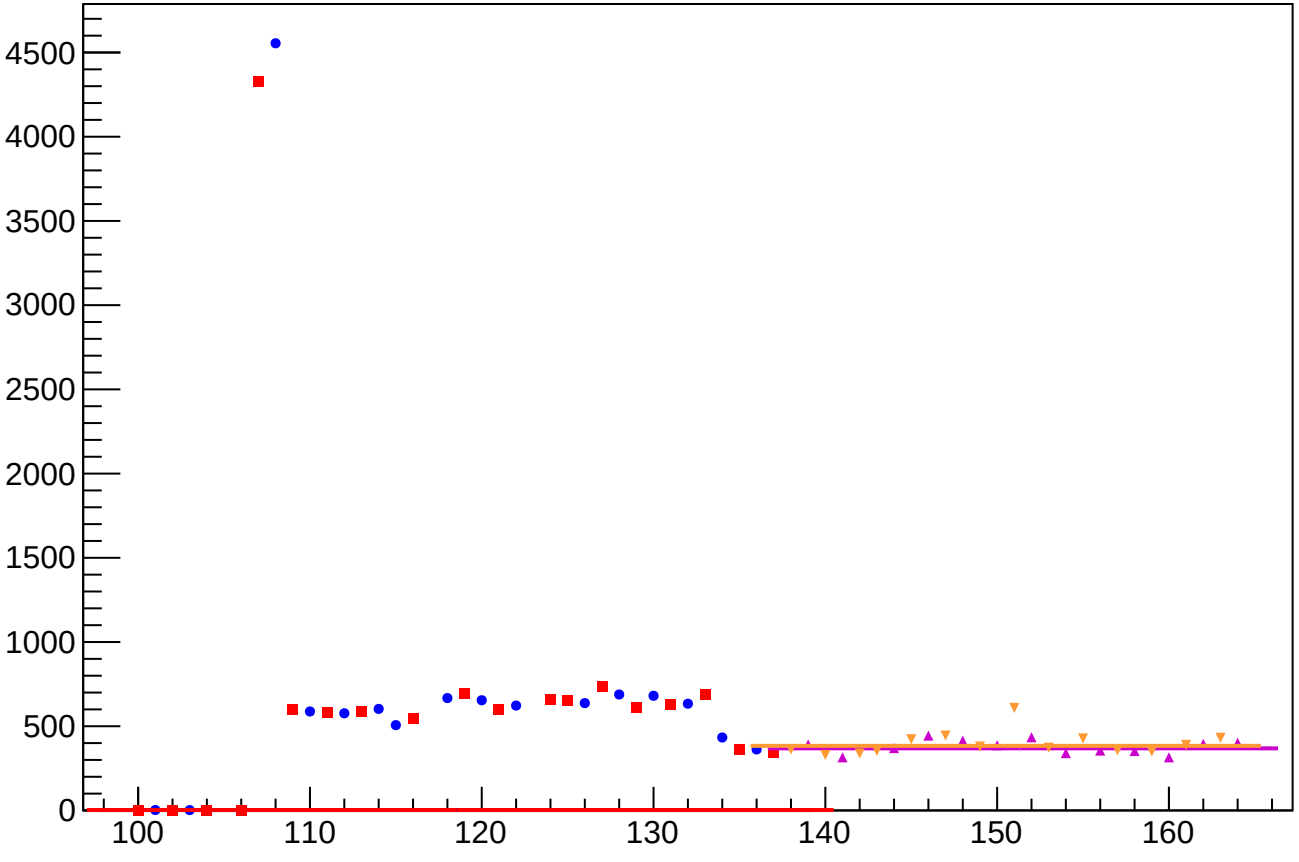
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.169+/-2.170 χ^2/NDF:31.9/28

Out: 1.318+/-2.022 χ^2/NDF:46.4/32

All: 0.162+/-1.479 χ^2/NDF: 79.0/61

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 383.543+/-0.082 χ^2/NDF:408447.5/13

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 368.688+/-0.080 χ^2/NDF:244297.9/12

Left: 375.918+/-0.057 χ^2/NDF: 669476.3/26

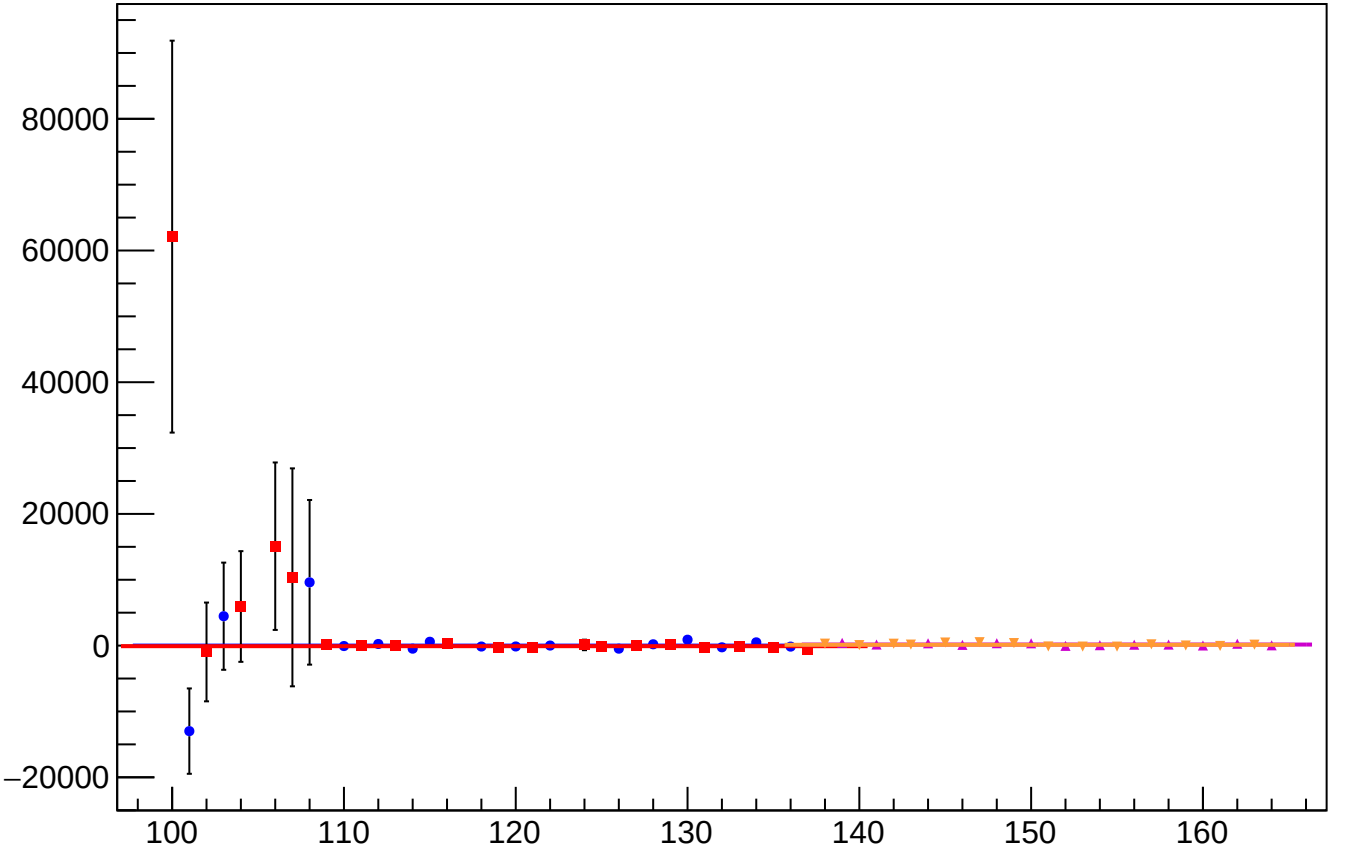
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.611+/-0.002 χ^2/NDF:32756513.3/28

Out: 2.577+/-0.001 χ^2/NDF:33398706.0/32

All: 2.593+/-0.001 χ^2/NDF: 66155479.4/61

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 123.981+/-74.330 χ^2/NDF:6.9/13

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 159.832+/-62.036 χ^2/NDF:4.9/12

Left: 145.112+/-47.628 χ^2/NDF: 11.8/26

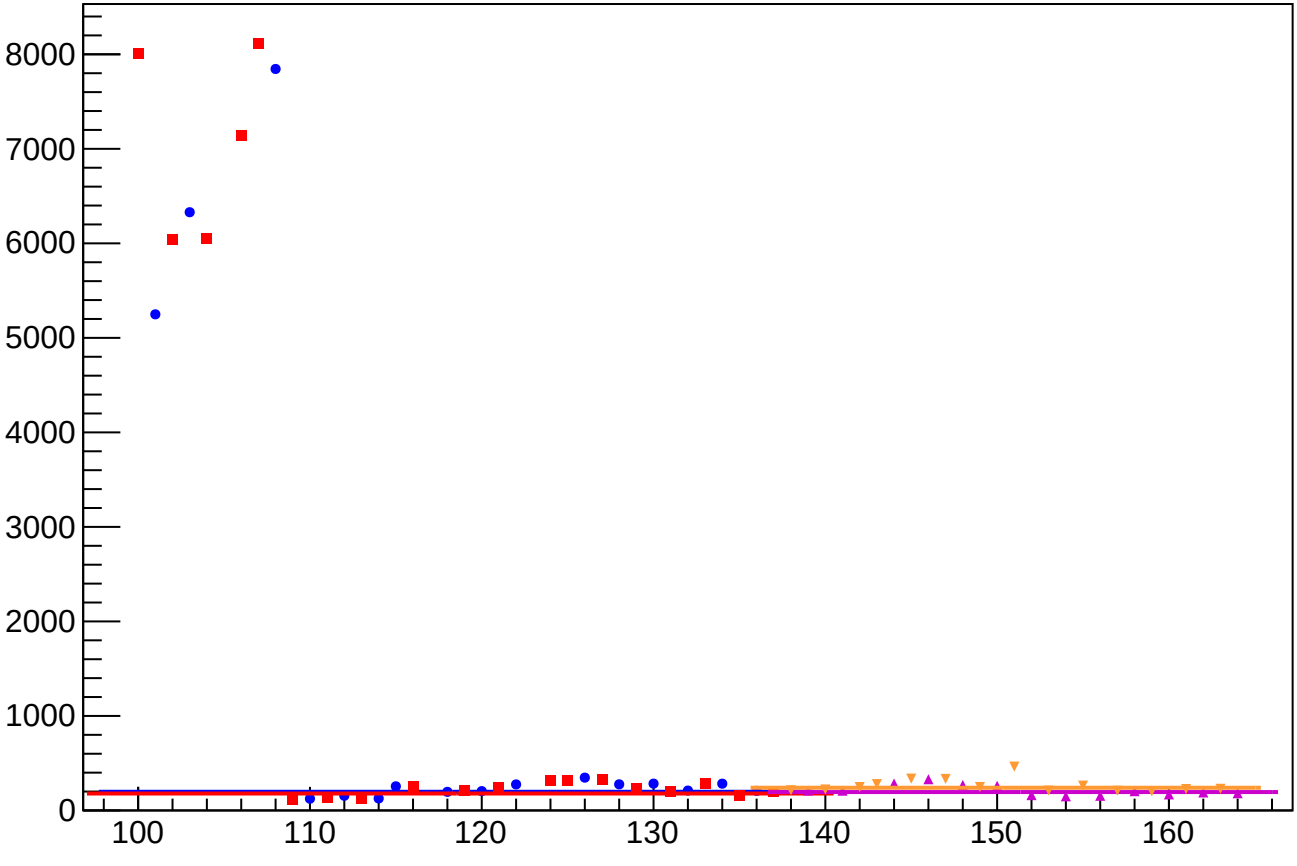
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 106.819+/-50.670 χ^2/NDF:23.9/28

Out: 27.818+/-54.952 χ^2/NDF:25.4/32

All: 70.516+/-37.251 χ^2/NDF: 50.4/61

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 240.317+/-0.053 χ^2/NDF:854991.3/13

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 194.624+/-0.044 χ^2/NDF:1070483.1/12

Left: 213.384+/-0.034 χ^2/NDF: 2370953.2/26

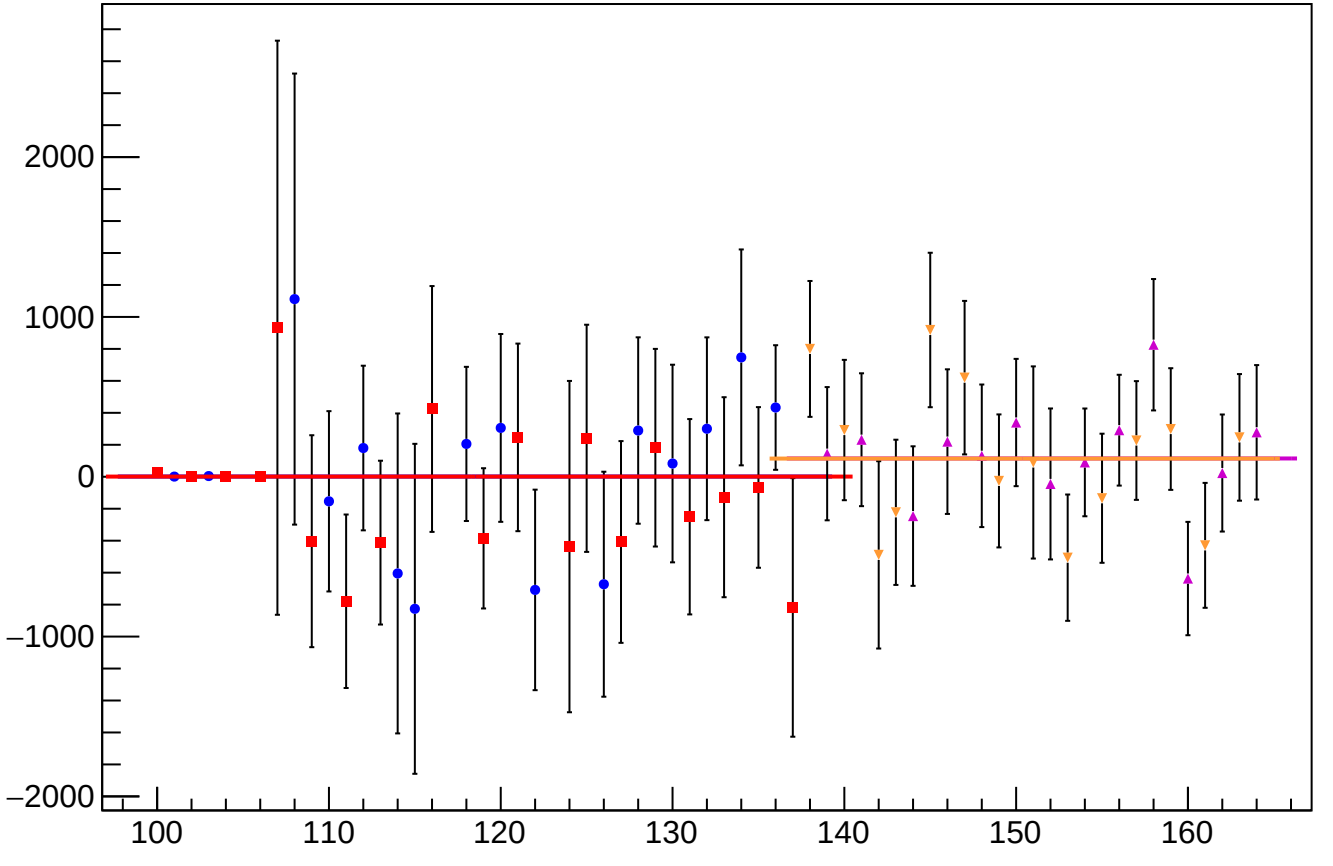
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 195.621+/-0.036 χ^2/NDF:5029228.0/28

Out: 212.626+/-0.039 χ^2/NDF:5885543.2/32

All: 203.435+/-0.026 χ^2/NDF: 11018283.5/61

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 113.749+/-115.283 χ^2/NDF:13.6/13

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 114.448+/-110.709 χ^2/NDF:9.2/12

Left: 114.112+/-79.851 χ^2/NDF: 22.8/26

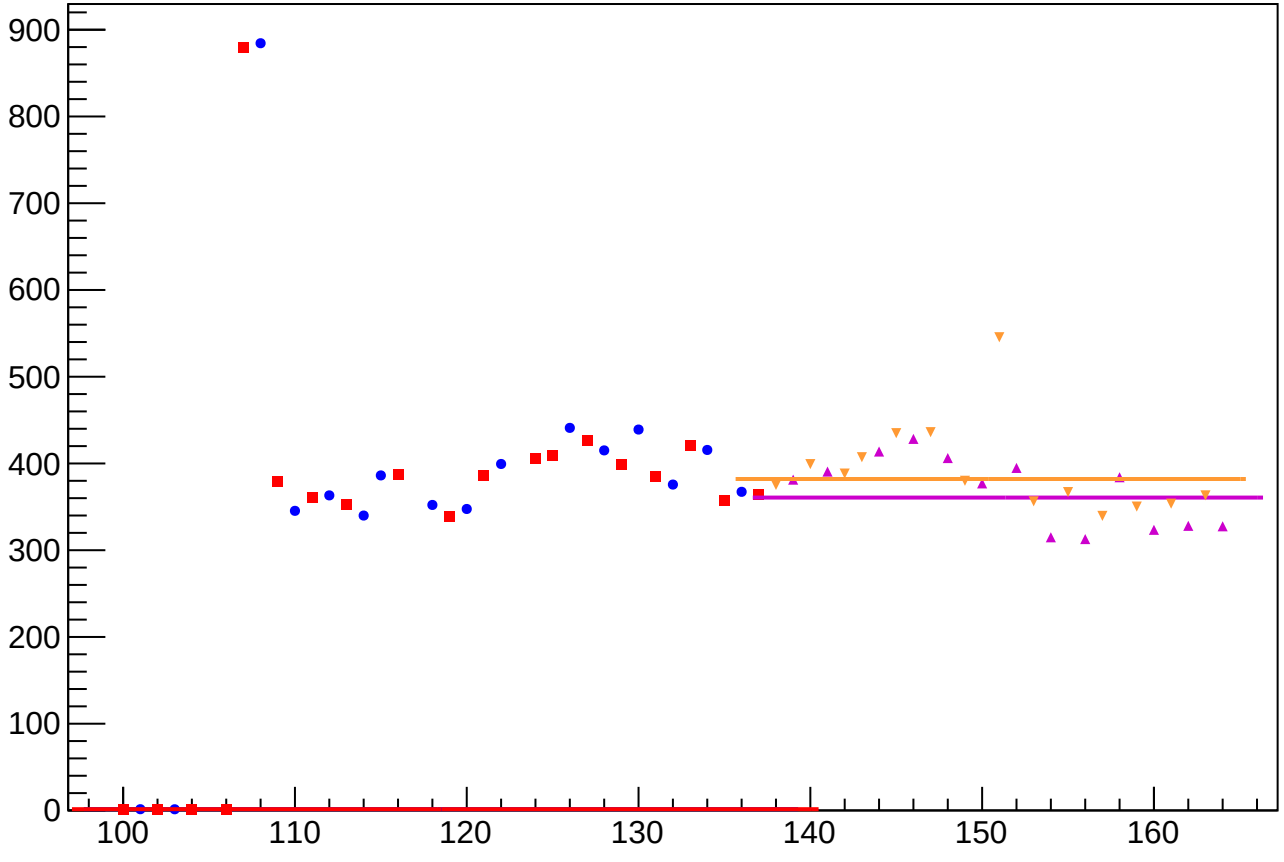
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.481+/-1.660 χ^2/NDF:18.1/28

Out: 1.113+/-1.528 χ^2/NDF:23.7/32

All: 1.282+/-1.124 χ^2/NDF: 41.9/61

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 382.094+/-0.082 χ^2/NDF:273444.9/13

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 360.680+/-0.078 χ^2/NDF:255934.8/12

Left: 370.954+/-0.056 χ^2/NDF: 565280.9/26

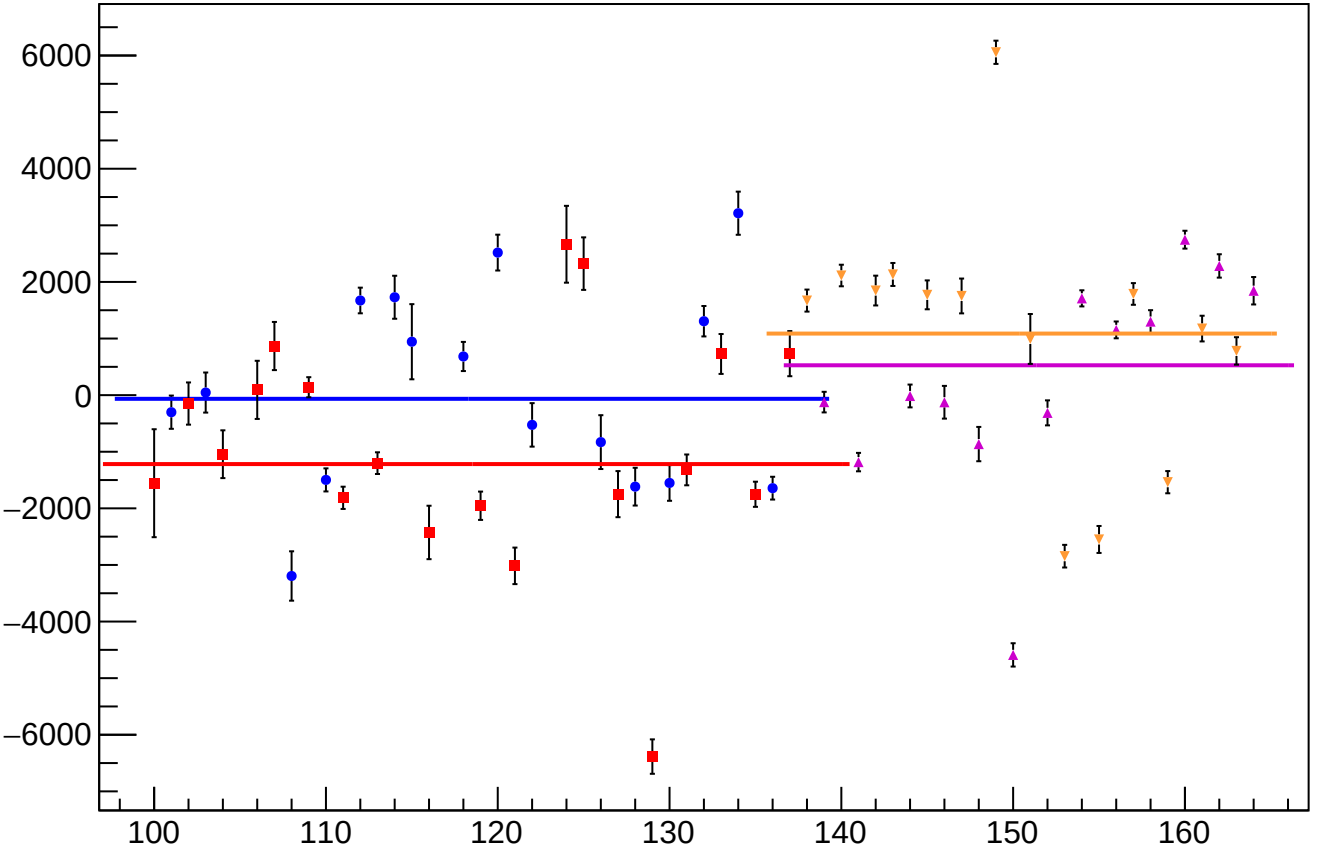
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.551+/-0.001 χ^2/NDF:33041915.3/28

Out: 1.534+/-0.001 χ^2/NDF:33342176.6/32

All: 1.542+/-0.001 χ^2/NDF: 66384204.9/61

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1087.695+/-59.790 χ^2/NDF:1485.2/13

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 527.502+/-52.760 χ^2/NDF:1188.8/12

Left: 772.742+/-39.560 χ^2/NDF: 2723.4/26

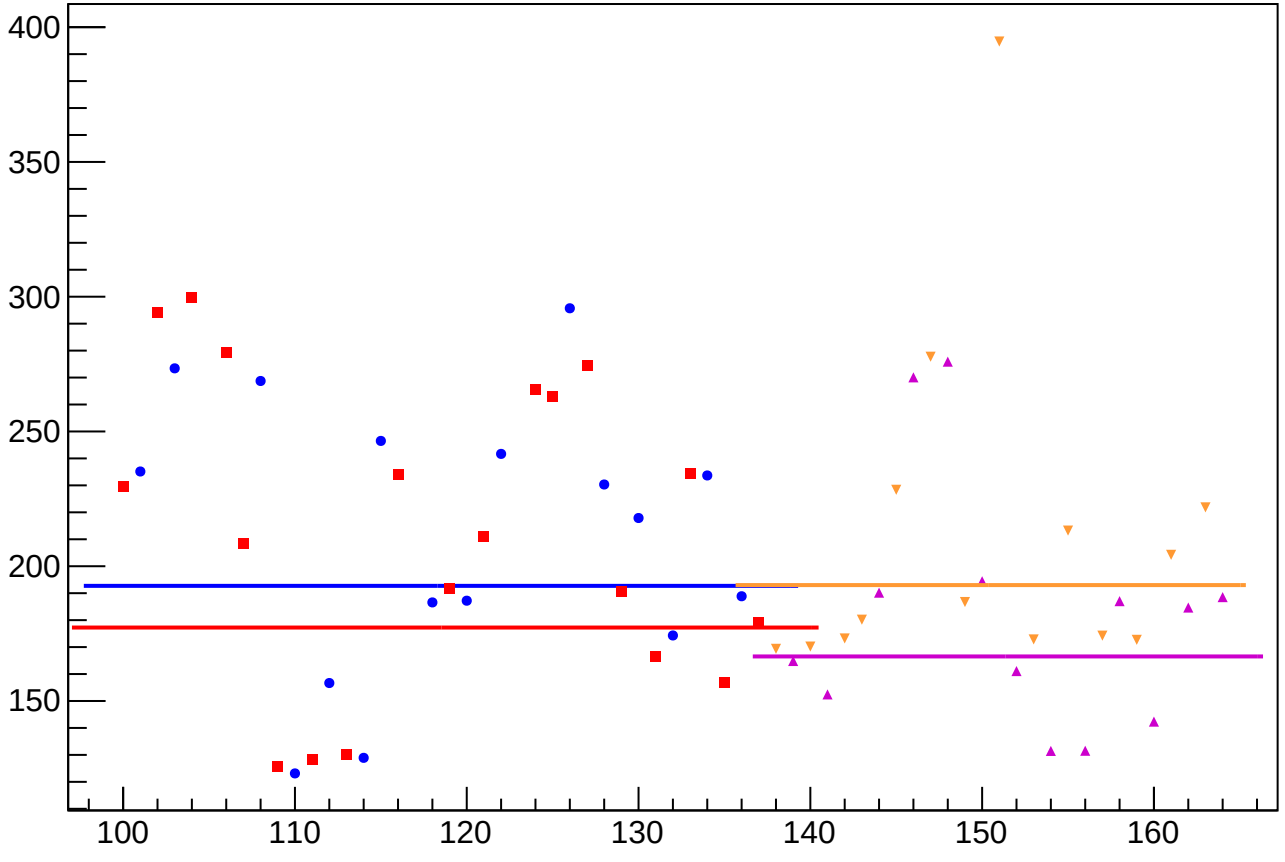
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 330.994+/-43.132 χ^2/NDF:1700.1/28

Out: 99.318+/-45.192 χ^2/NDF:2717.2/32

All: 220.557+/-31.202 χ^2/NDF: 4431.1/61

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 193.002+/-0.042 χ^2/NDF:797230.3/13

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 166.529+/-0.037 χ^2/NDF:929003.4/12

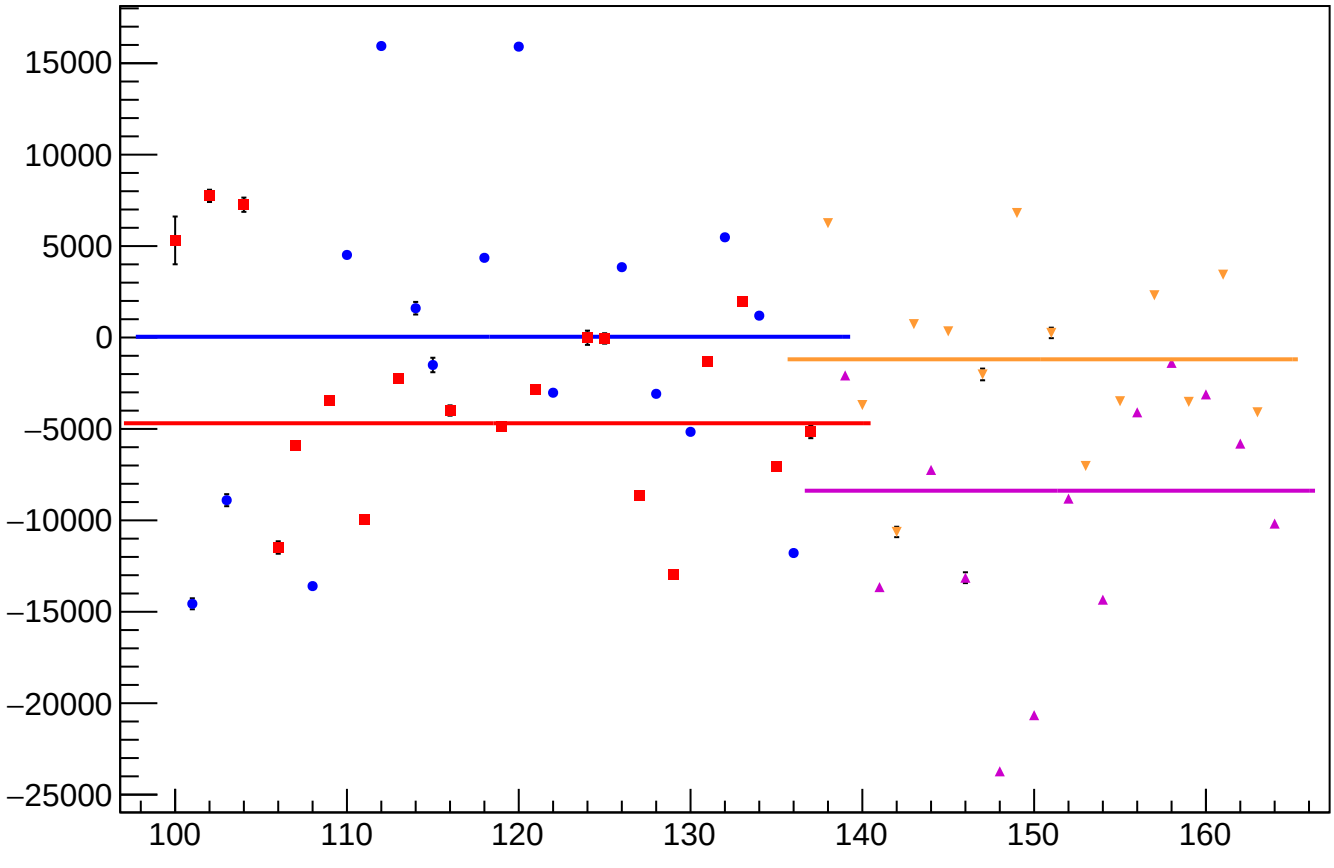
Left: 178.118+/-0.028 χ^2/NDF: 1946668.6/26

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 175.215+/-0.030 χ^2/NDF:1851605.9/28

Out: 186.250+/-0.032 χ^2/NDF:2082908.8/32

All: 180.475+/-0.022 χ^2/NDF: 3996911.2/61



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1192.515+/-51.839 χ^2/NDF:7670.2/13

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8378.659+/-53.222 χ^2/NDF:14443.2/12

Left: -4690.974+/-37.135 χ^2/NDF: 31468.8/26

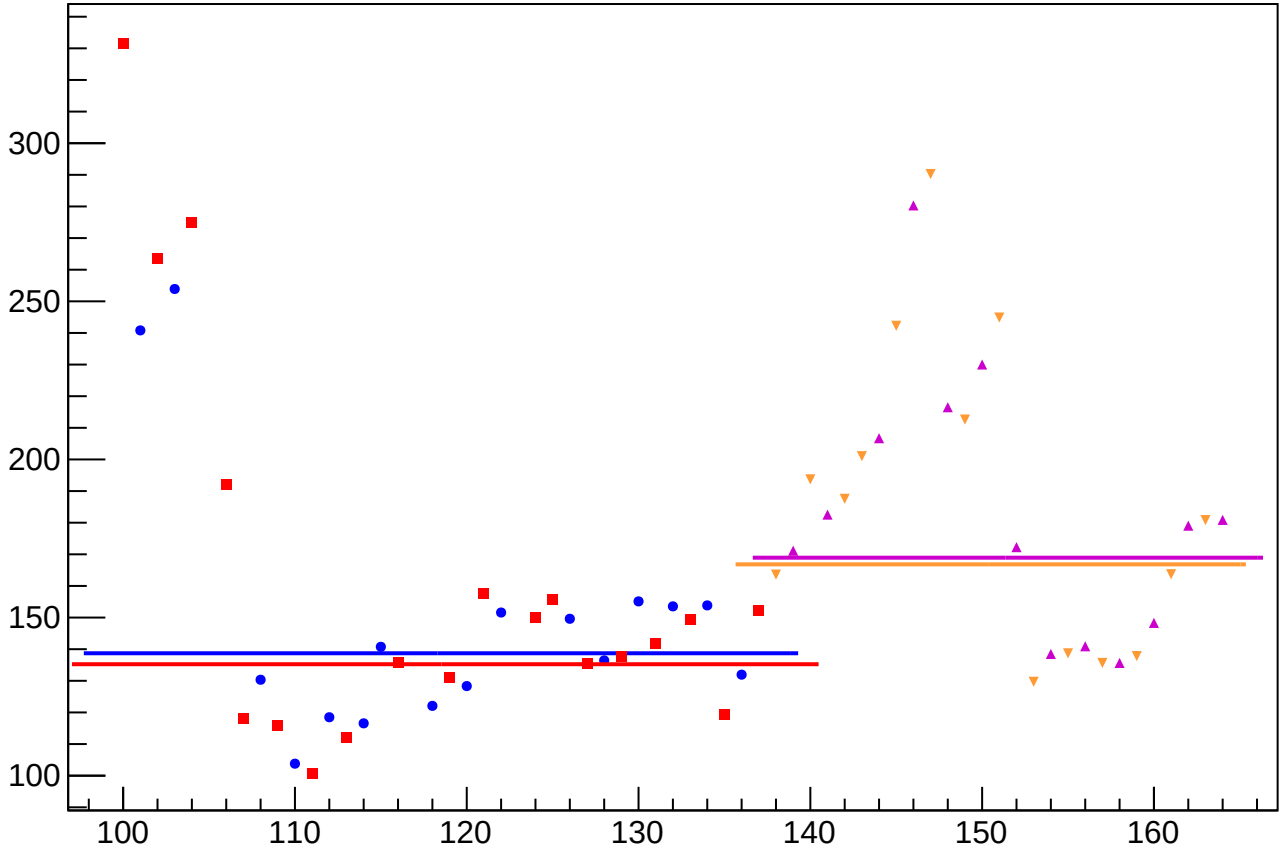
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4245.381+/-37.974 χ^2/NDF:57515.1/28

Out: -2932.496+/-36.746 χ^2/NDF:17730.3/32

All: -3567.359+/-26.407 χ^2/NDF: 75862.7/61

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.822+/-0.037 χ^2/NDF:1136967.8/13

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 168.933+/-0.038 χ^2/NDF:845762.8/12

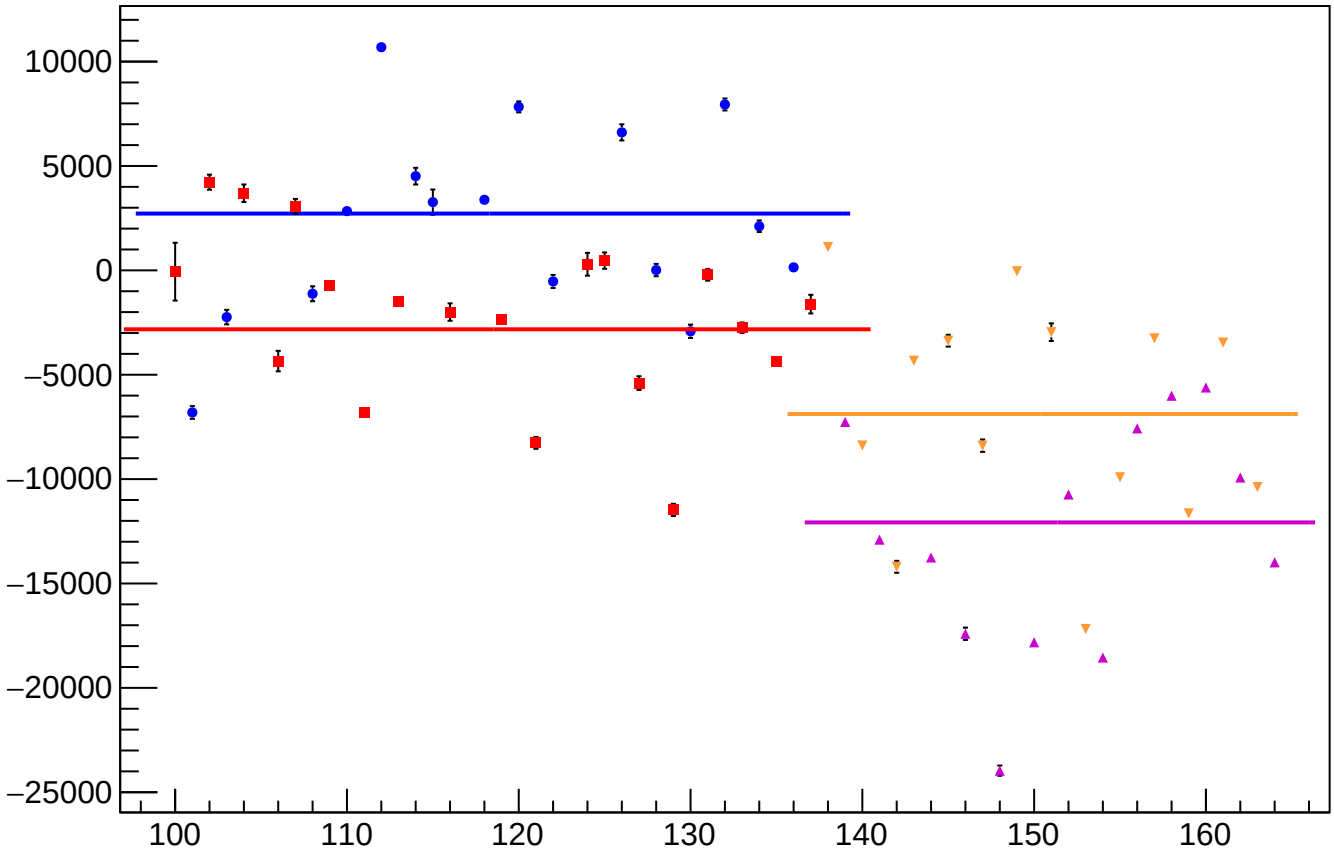
Left: 167.850+/-0.026 χ^2/NDF: 1984345.9/26

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 154.097+/-0.027 χ^2/NDF:1820119.5/28

Out: 151.111+/-0.026 χ^2/NDF:2396198.2/32

All: 152.555+/-0.019 χ^2/NDF: 4222703.6/61



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6881.559+/-61.536 χ^2/NDF:7861.1/13

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -12073.705+/-55.284 χ^2/NDF:9199.7/12

Left: -9754.720+/-41.125 χ^2/NDF: 21000.3/26

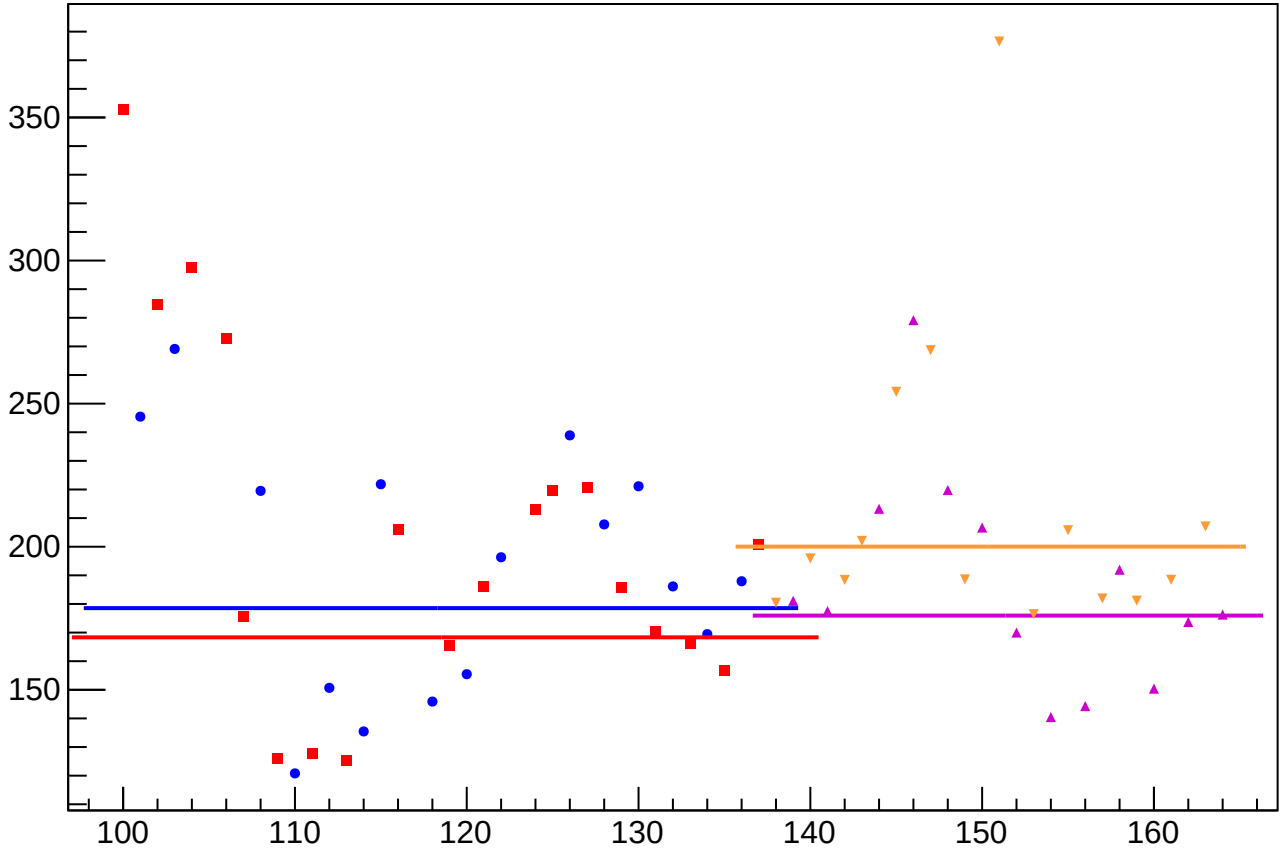
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6315.016+/-43.204 χ^2/NDF:41202.8/28

Out: -4958.943+/-44.638 χ^2/NDF:12984.1/32

All: -5659.114+/-31.045 χ^2/NDF: 54663.4/61

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 200.035+/-0.044 χ^2/NDF:625287.4/13

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 175.934+/-0.039 χ^2/NDF:647712.3/12

Left: 186.698+/-0.029 χ^2/NDF: 1442765.2/26

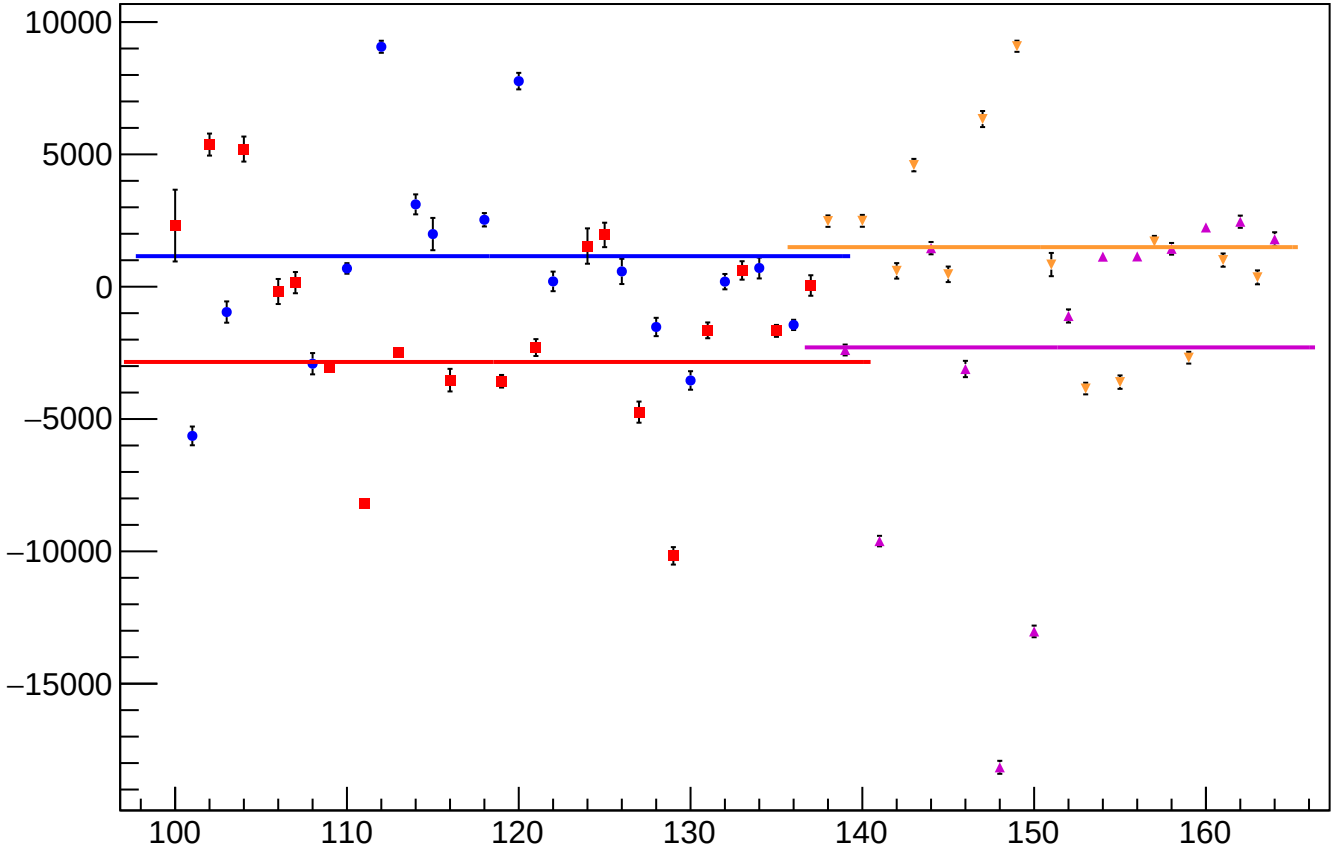
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 176.949+/-0.031 χ^2/NDF:1324009.4/28

Out: 185.015+/-0.032 χ^2/NDF:1856246.5/32

All: 180.851+/-0.022 χ^2/NDF: 3213978.1/61

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1495.123+/-66.019 χ^2/NDF:3156.6/13

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -2293.328+/-59.458 χ^2/NDF:10555.0/12

Left: -596.661+/-44.181 χ^2/NDF: 15529.8/26

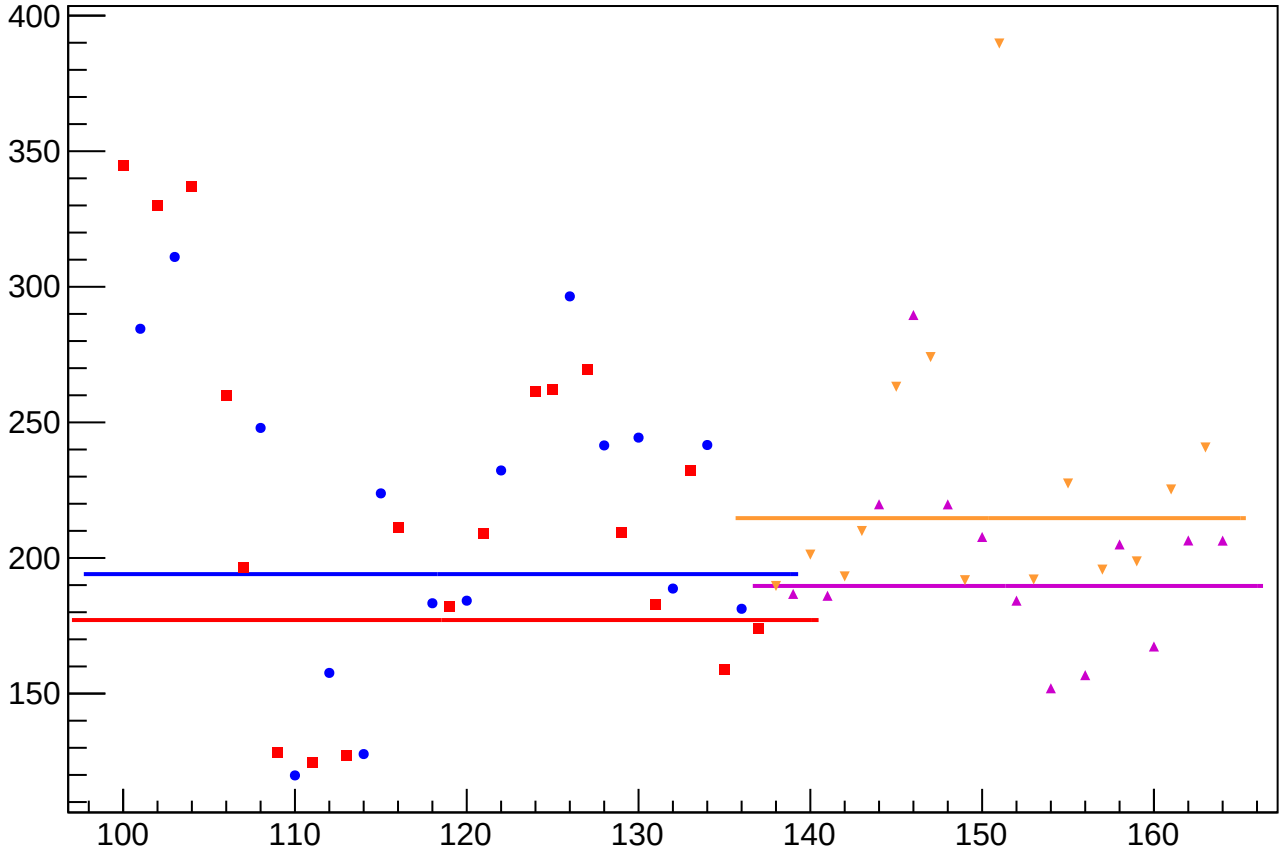
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -983.616+/-46.819 χ^2/NDF:14487.4/28

Out: -574.271+/-47.747 χ^2/NDF:7669.9/32

All: -782.960+/-33.429 χ^2/NDF: 22194.8/61

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.695+/-0.047 χ^2/NDF:592598.7/13

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 189.687+/-0.042 χ^2/NDF:520939.8/12

Left: 200.887+/-0.031 χ^2/NDF: 1271992.3/26

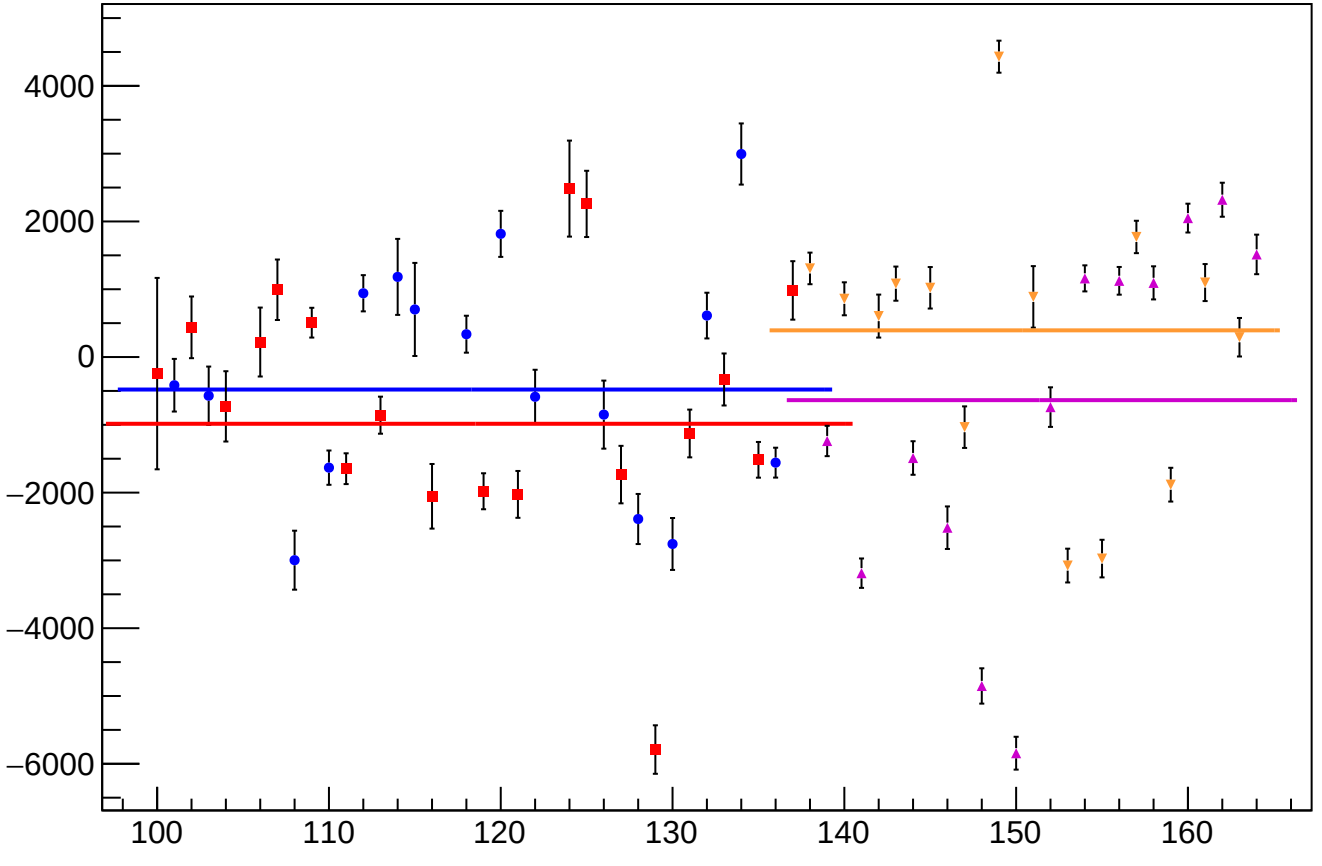
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 191.346+/-0.033 χ^2/NDF:1490823.1/28

Out: 196.772+/-0.034 χ^2/NDF:2261013.9/32

All: 194.006+/-0.024 χ^2/NDF: 3765005.6/61

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 393.690+/-71.860 χ^2/NDF:811.0/13

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -635.935+/-66.118 χ^2/NDF:1481.9/12

Left: -163.900+/-48.656 χ^2/NDF: 2404.0/26

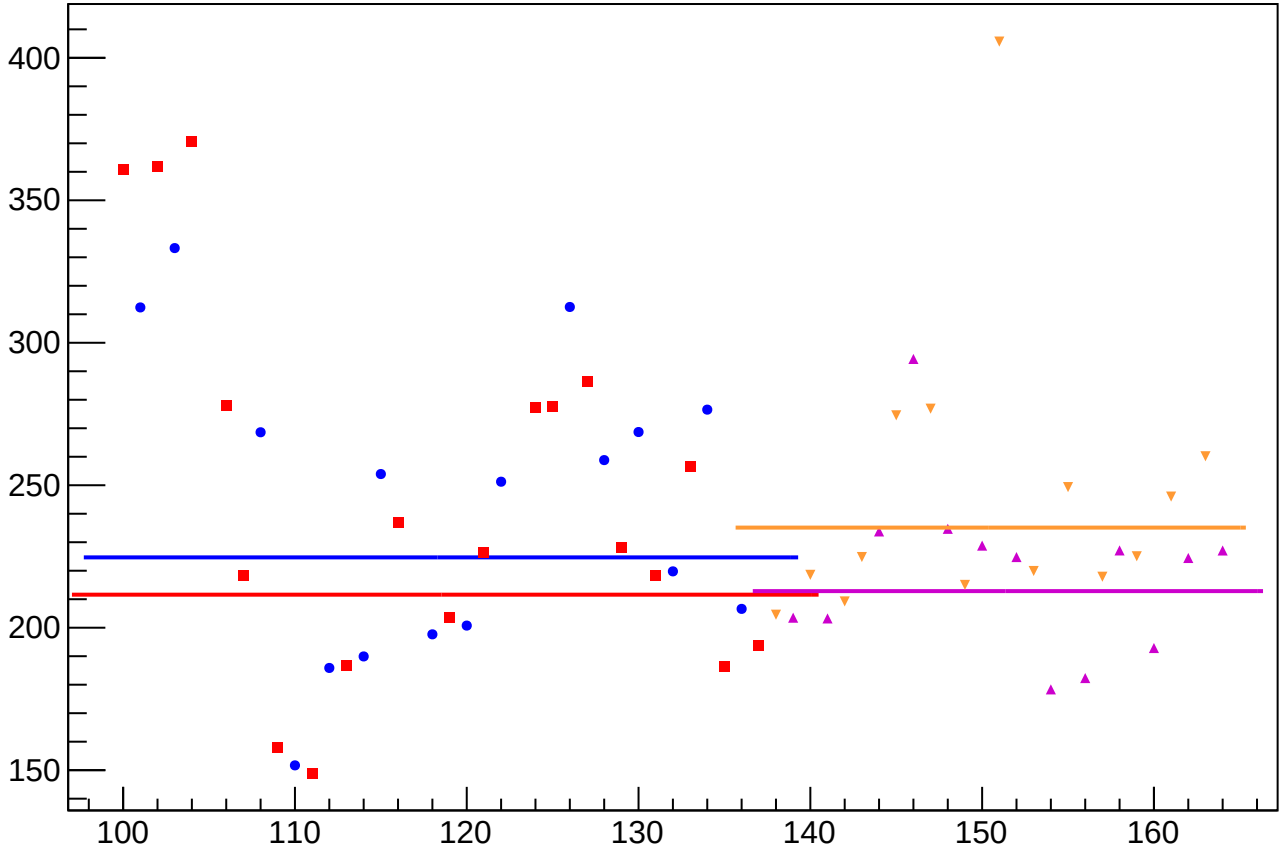
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -578.326+/-52.571 χ^2/NDF:1789.4/28

Out: -213.751+/-53.739 χ^2/NDF:1371.2/32

All: -400.043+/-37.579 χ^2/NDF: 3184.1/61

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.135+/-0.051 χ^2/NDF:472813.8/13

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 212.846+/-0.047 χ^2/NDF:325184.7/12

Left: 223.064+/-0.034 χ^2/NDF: 902194.3/26

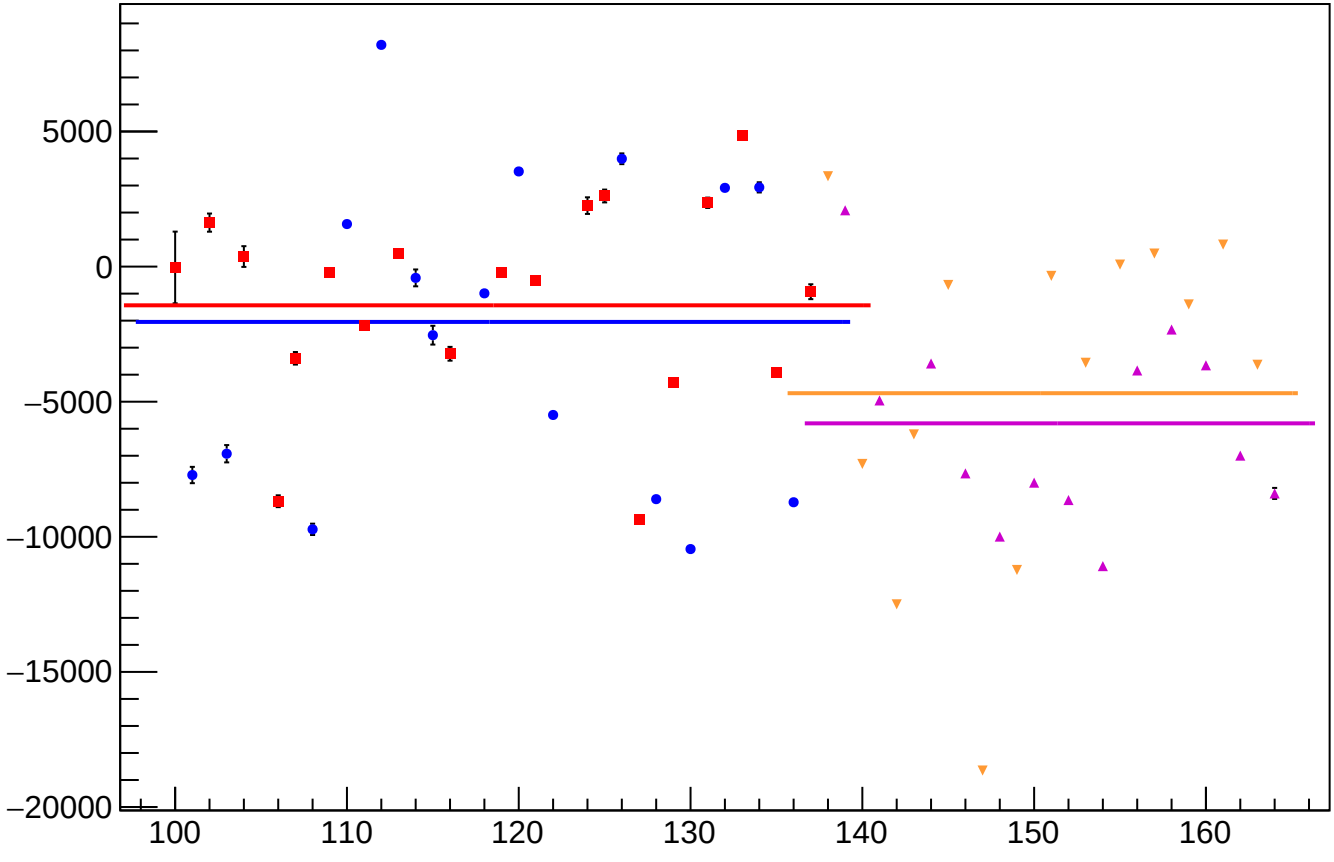
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 217.200+/-0.037 χ^2/NDF:1001953.1/28

Out: 224.759+/-0.038 χ^2/NDF:1500307.2/32

All: 220.896+/-0.027 χ^2/NDF: 2522485.2/61

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4685.314+/-35.988 χ^2/NDF:29694.6/13

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5801.144+/-36.961 χ^2/NDF:9436.1/12

Left: -5228.343+/-25.784 χ^2/NDF: 39598.5/26

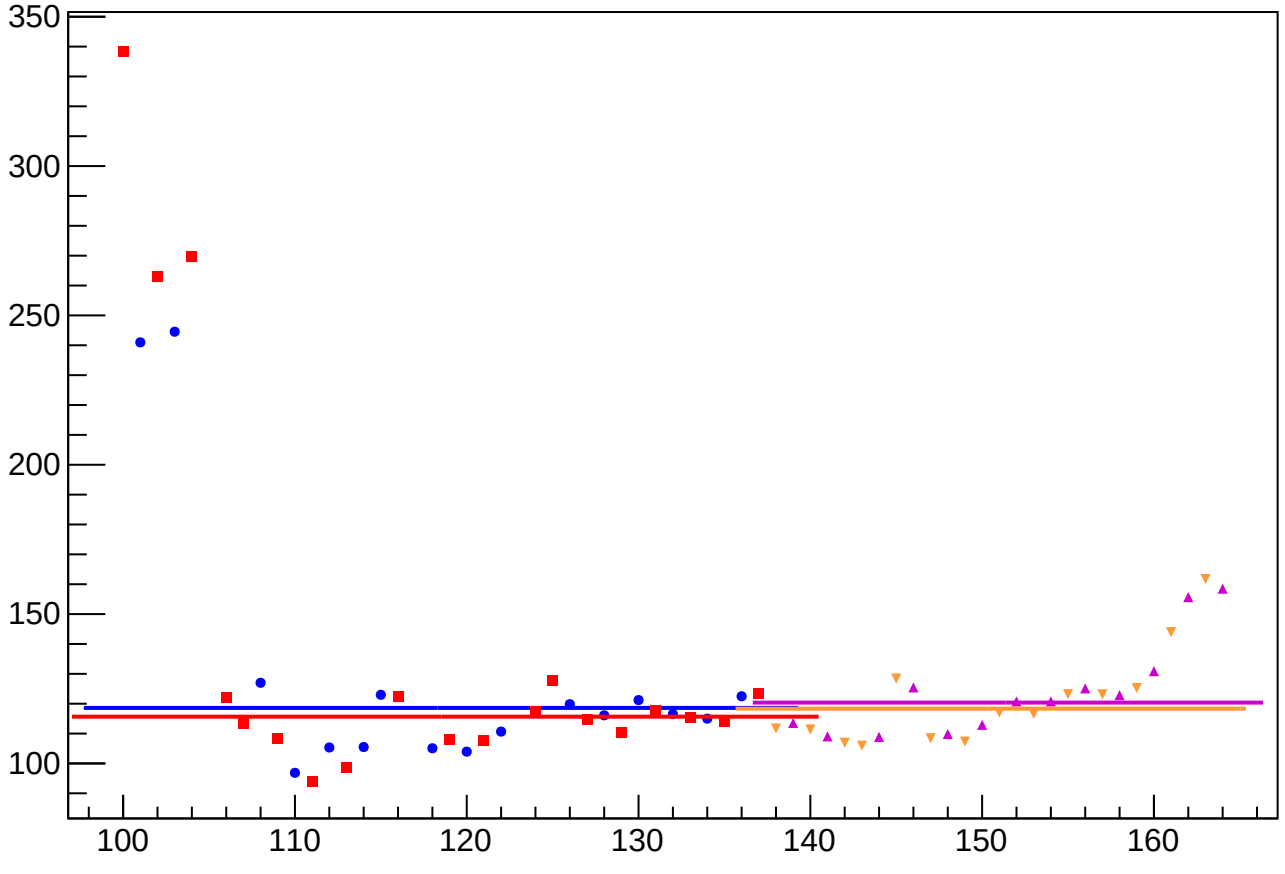
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4356.185+/-28.987 χ^2/NDF:30115.8/28

Out: -3407.257+/-28.039 χ^2/NDF:39292.0/32

All: -3865.945+/-20.153 χ^2/NDF: 69961.4/61

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 118.339+/-0.025 χ^2/NDF:265739.8/13

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 120.373+/-0.026 χ^2/NDF:234975.0/12

Left: 119.329+/-0.018 χ^2/NDF: 503823.4/26

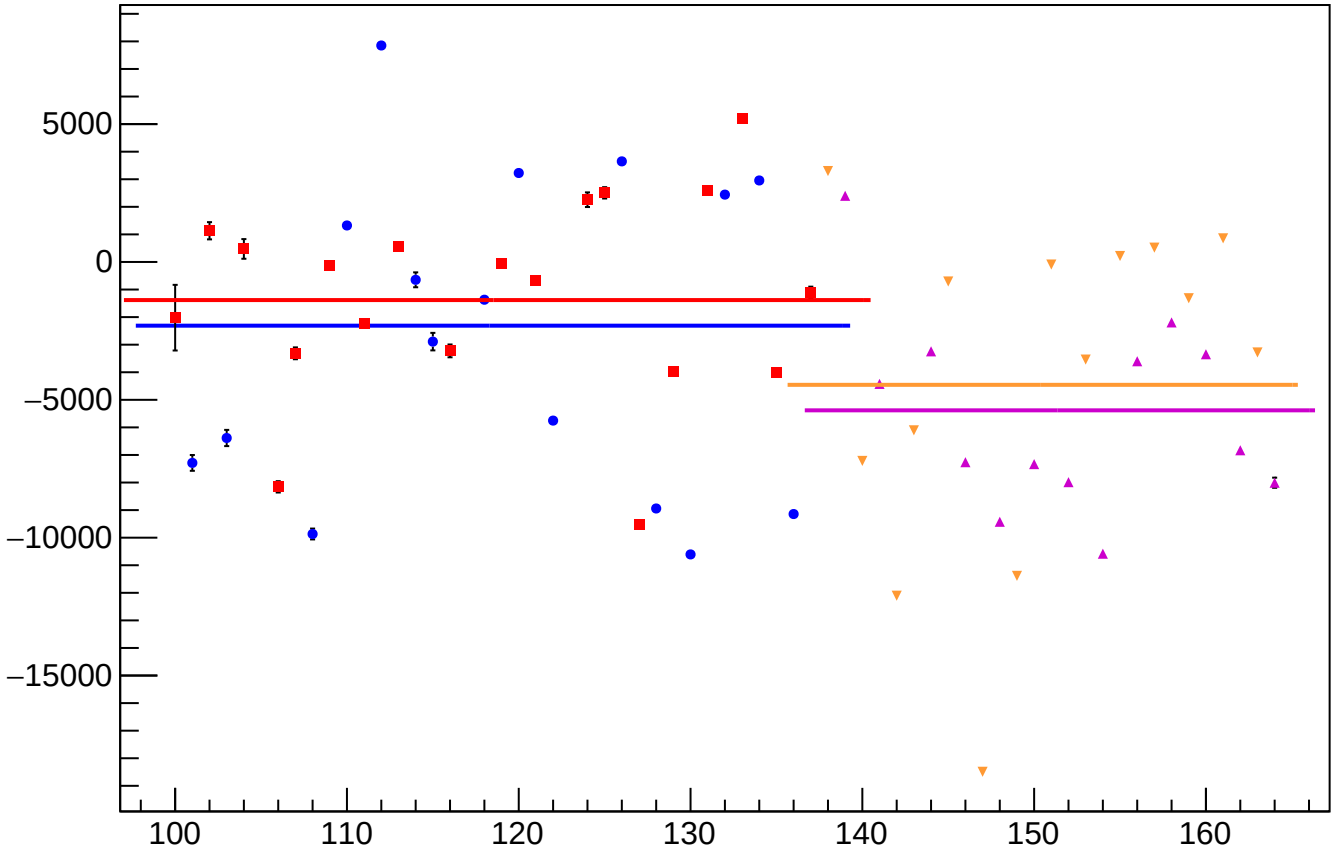
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 119.689+/-0.020 χ^2/NDF:970912.6/28

Out: 117.286+/-0.020 χ^2/NDF:1134301.8/32

All: 118.447+/-0.014 χ^2/NDF: 2112313.3/61

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4456.361+/-32.286 χ^2/NDF:35893.9/13

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -5381.420+/-33.136 χ^2/NDF:11219.0/12

Left: -4906.861+/-23.124 χ^2/NDF: 47512.7/26

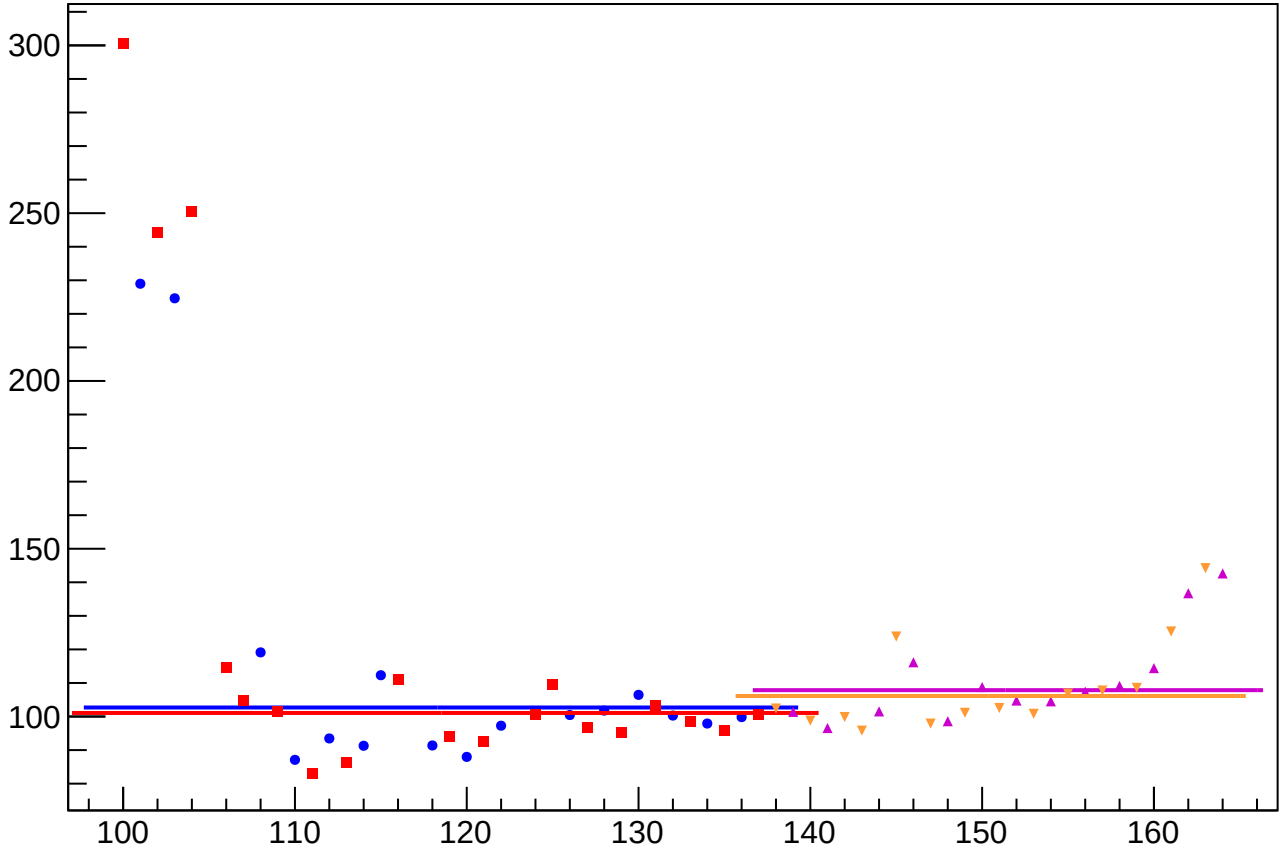
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -4158.542+/-25.705 χ^2/NDF:36318.5/28

Out: -3219.205+/-24.958 χ^2/NDF:48121.4/32

All: -3675.011+/-17.906 χ^2/NDF: 85127.4/61

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 106.116+/-0.023 χ^2/NDF:242473.3/13

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 107.858+/-0.023 χ^2/NDF:211938.3/12

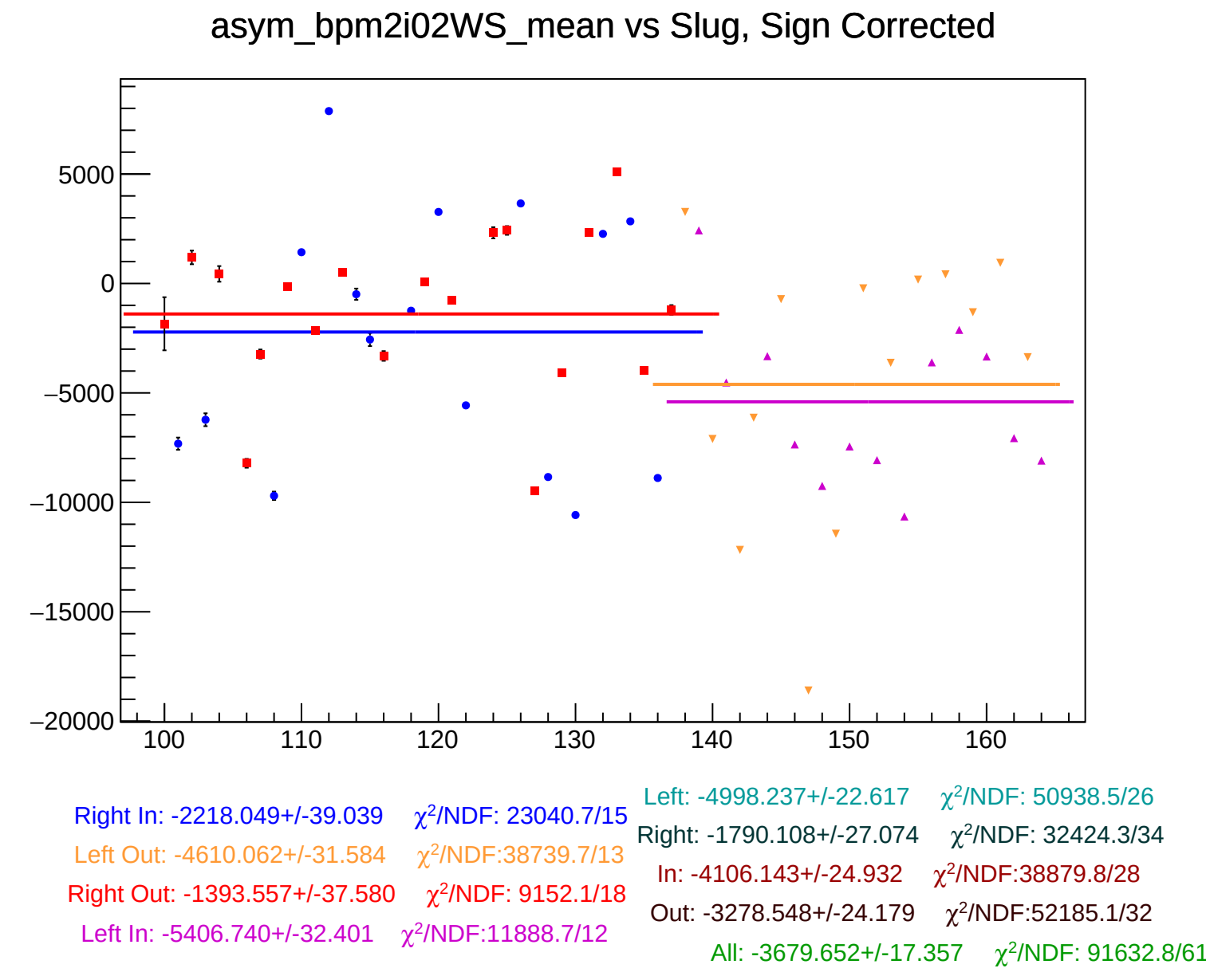
Left: 106.964+/-0.016 χ^2/NDF: 457246.9/26

Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

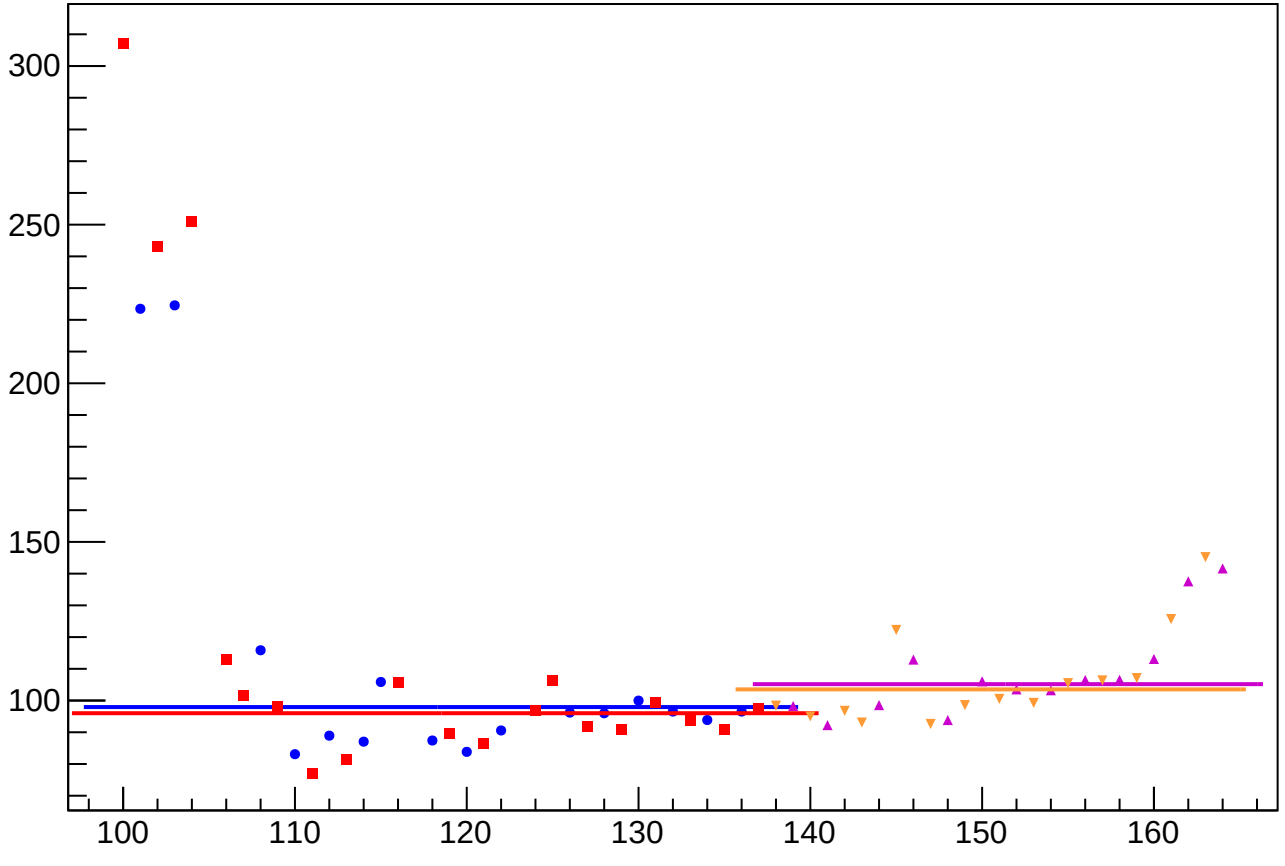
In: 105.801+/-0.018 χ^2/NDF:1057081.3/28

Out: 104.082+/-0.018 χ^2/NDF:1192641.7/32

All: 104.916+/-0.013 χ^2/NDF: 2254326.0/61


asym_bpm2i02WS_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: -2218.049+/-39.039 χ²/NDF: 23040.7/15
Left Out: -4610.062+/-31.584 χ²/NDF:38739.7/13
Right Out: -1393.557+/-37.580 χ²/NDF: 9152.1/18
Left In: -5406.740+/-32.401 χ²/NDF:11888.7/12
Left: -4998.237+/-22.617 χ²/NDF: 50938.5/26
Right: -1790.108+/-27.074 χ²/NDF: 32424.3/34
In: -4106.143+/-24.932 χ²/NDF:38879.8/28
Out: -3278.548+/-24.179 χ²/NDF:52185.1/32
All: -3679.652+/-17.357 χ²/NDF: 91632.8/61

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 103.515+/-0.022 χ^2/NDF:299603.3/13

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 105.170+/-0.023 χ^2/NDF:258729.1/12

Left: 104.321+/-0.016 χ^2/NDF: 561007.9/26

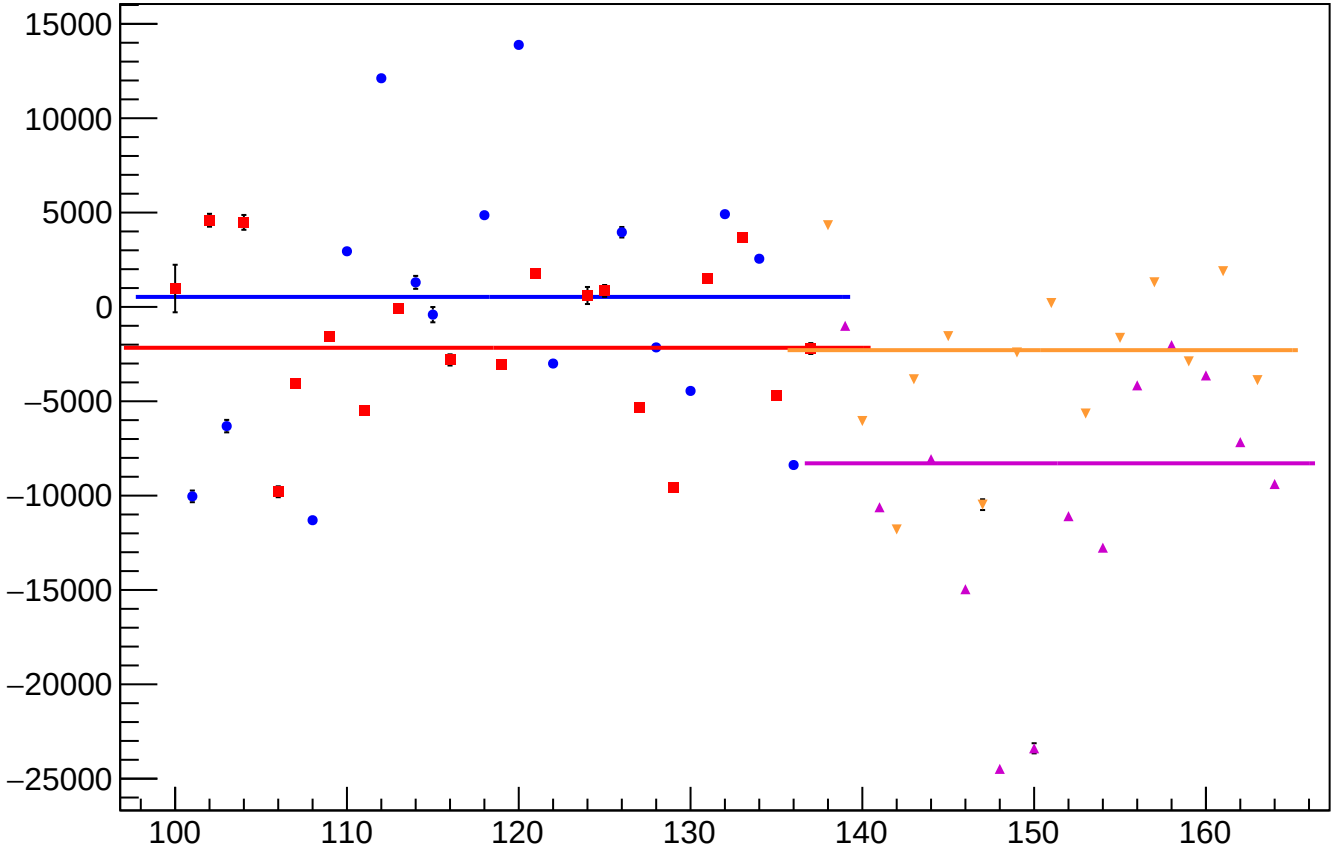
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 102.222+/-0.018 χ^2/NDF:1167453.5/28

Out: 100.406+/-0.017 χ^2/NDF:1358700.7/32

All: 101.286+/-0.012 χ^2/NDF: 2531625.0/61

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2291.444+/-46.673 χ^2/NDF:6948.3/13

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -8288.269+/-48.717 χ^2/NDF:14794.7/12

Left: -5161.427+/-33.702 χ^2/NDF: 29643.7/26

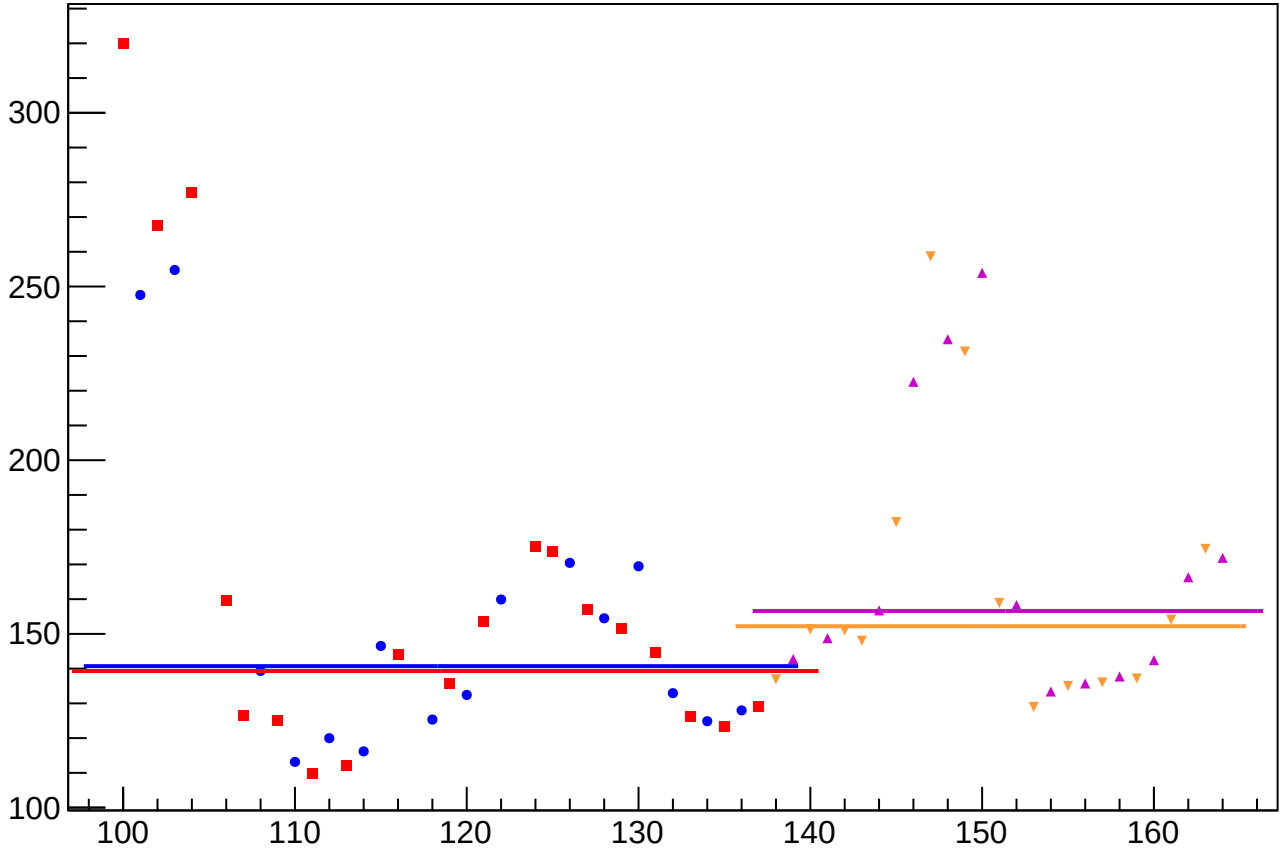
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4399.645+/-36.426 χ^2/NDF:47831.7/28

Out: -2236.748+/-35.159 χ^2/NDF:11918.6/32

All: -3279.925+/-25.297 χ^2/NDF: 61575.6/61

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 152.202+/-0.033 χ^2/NDF:689415.5/13

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 156.605+/-0.034 χ^2/NDF:771943.0/12

Left: 154.309+/-0.024 χ^2/NDF: 1469878.6/26

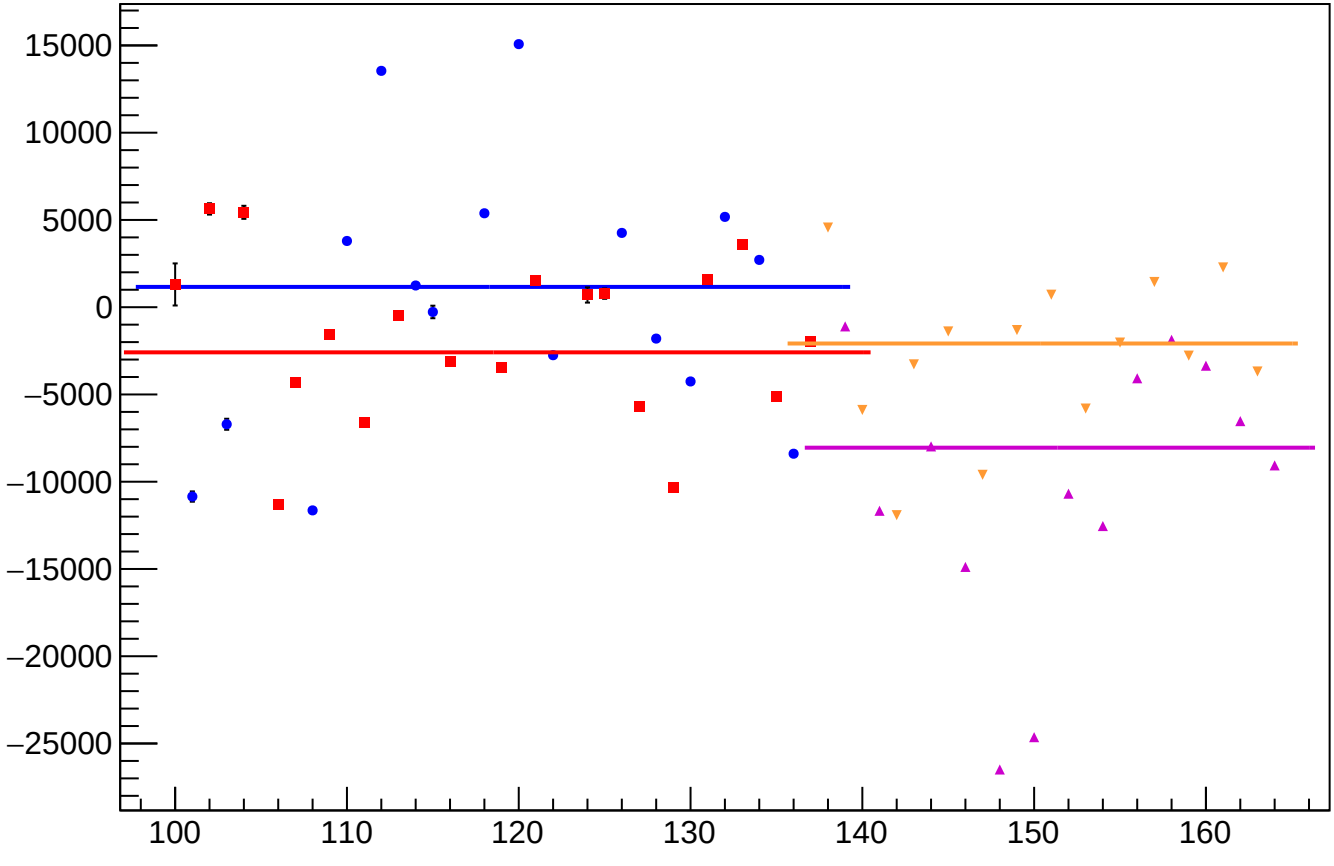
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 149.599+/-0.026 χ^2/NDF:1541384.2/28

Out: 146.629+/-0.025 χ^2/NDF:1557663.0/32

All: 148.061+/-0.018 χ^2/NDF: 3105931.1/61

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2080.125+/-41.079 χ^2/NDF:9195.0/13

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -8050.101+/-42.987 χ^2/NDF:19889.1/12

Left: -4929.714+/-29.699 χ^2/NDF: 39165.3/26

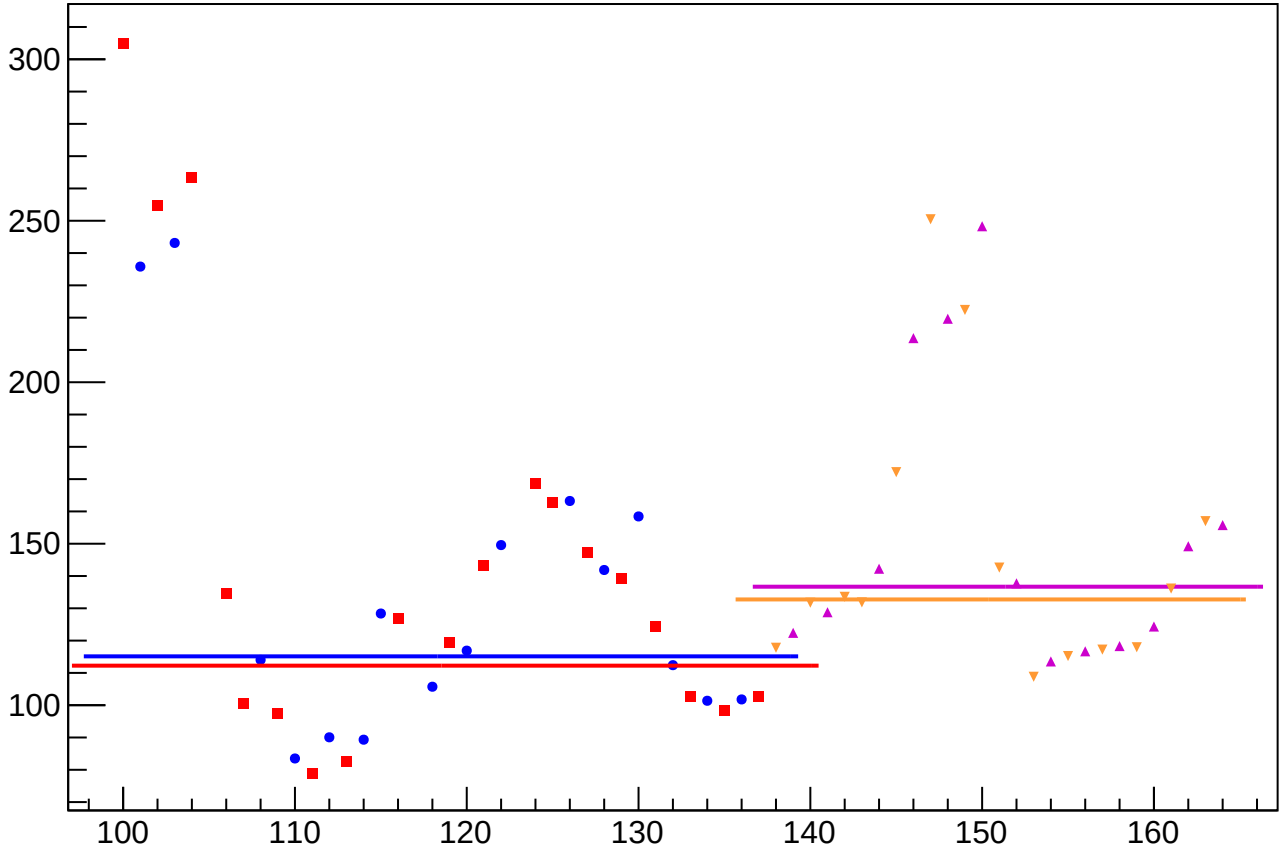
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3748.189+/-31.385 χ^2/NDF:72091.8/28

Out: -2314.604+/-30.108 χ^2/NDF:17365.1/32

All: -3001.633+/-21.727 χ^2/NDF: 90543.4/61

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 132.747+/-0.029 χ^2/NDF:959679.3/13

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 136.691+/-0.030 χ^2/NDF:1053790.4/12

Left: 134.629+/-0.021 χ^2/NDF: 2022268.7/26

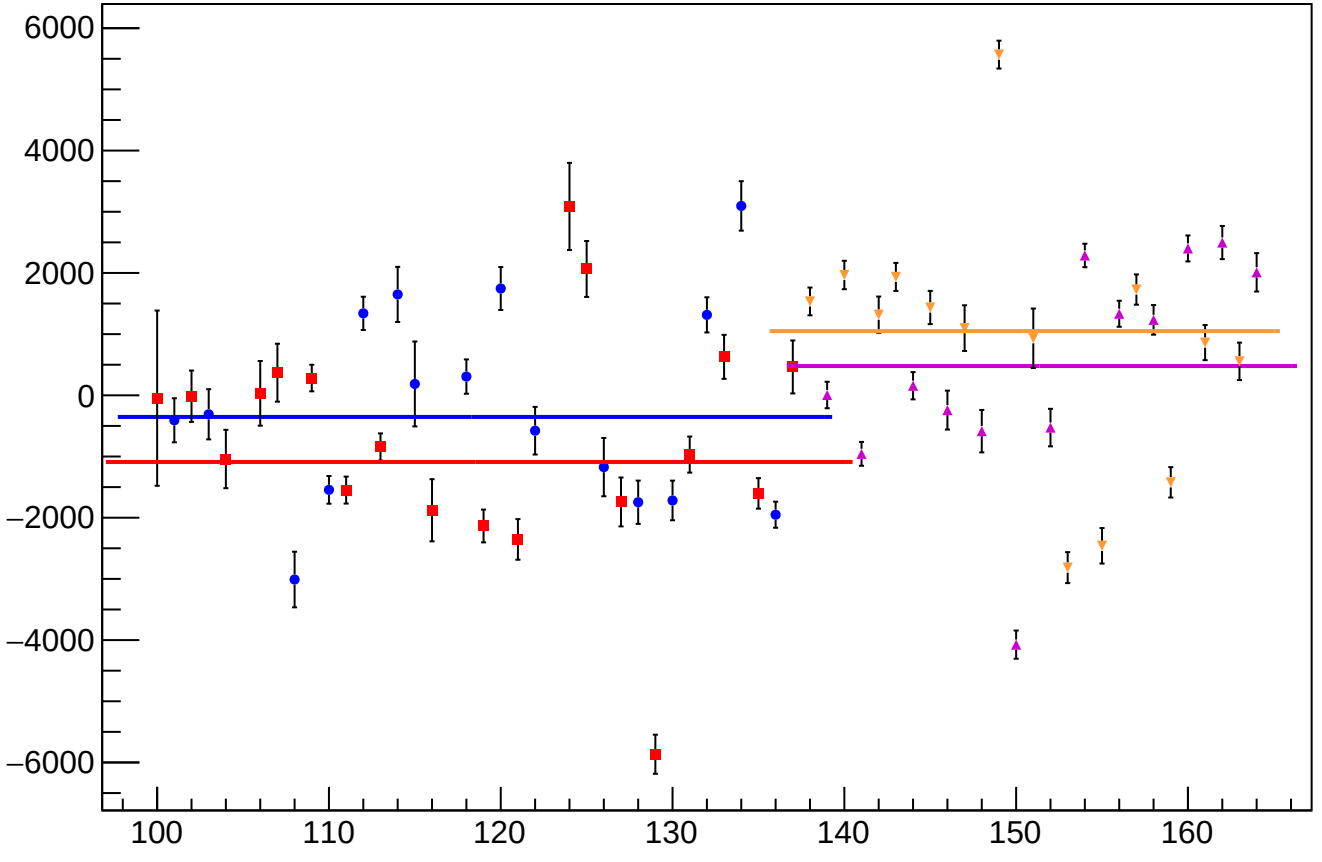
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 126.621+/-0.022 χ^2/NDF:2401806.0/28

Out: 123.256+/-0.021 χ^2/NDF:2518479.5/32

All: 124.869+/-0.015 χ^2/NDF: 4932256.1/61

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1049.725+/-71.516 χ^2/NDF:920.5/13

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 478.812+/-66.252 χ^2/NDF:752.0/12

Left: 742.483+/-48.602 χ^2/NDF: 1706.9/26

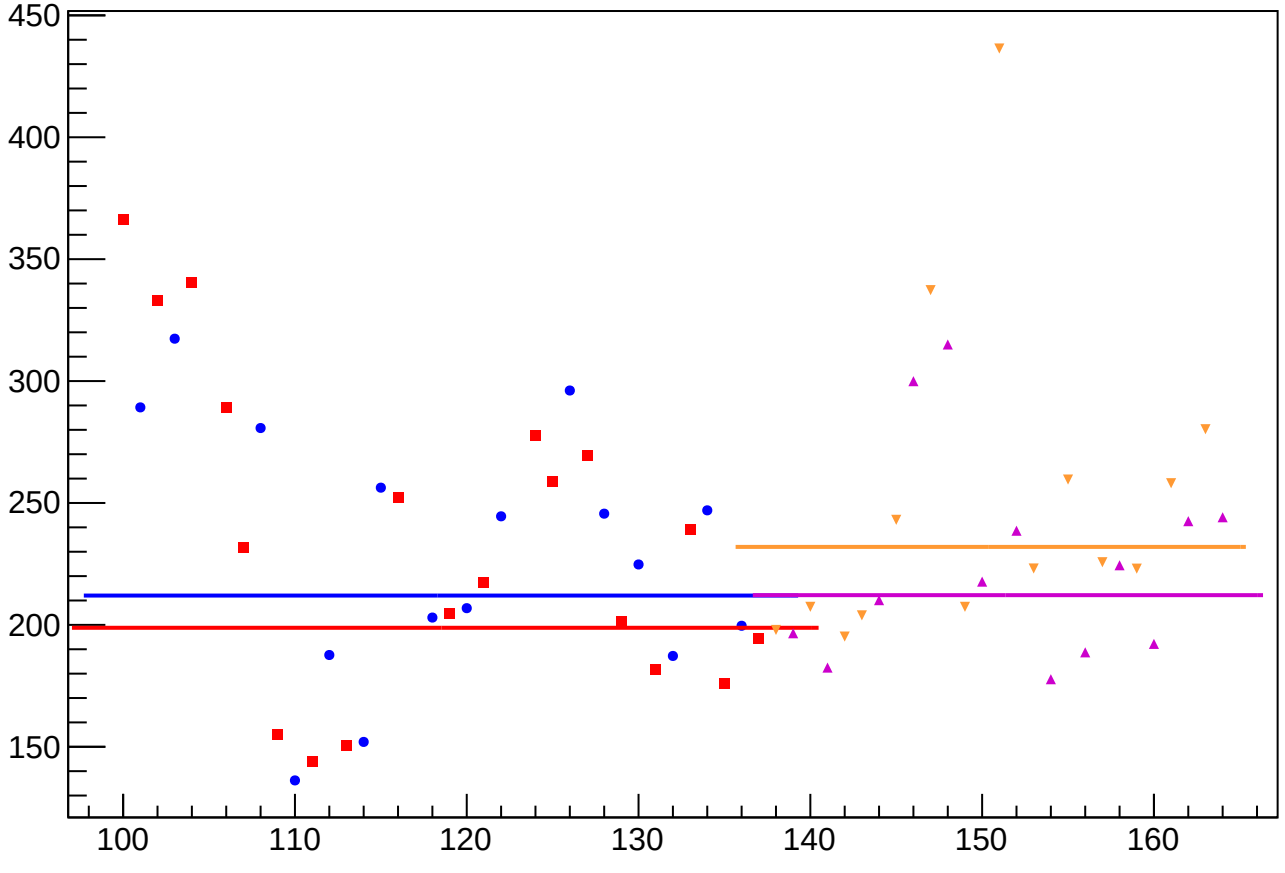
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 150.887+/-51.567 χ^2/NDF:1176.0/28

Out: 51.623+/-52.225 χ^2/NDF:1785.0/32

All: 101.884+/-36.694 χ^2/NDF: 2962.8/61

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 231.985+/-0.051 χ^2/NDF:759247.0/13

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 212.191+/-0.047 χ^2/NDF:558866.7/12

Left: 221.333+/-0.034 χ^2/NDF: 1400566.5/26

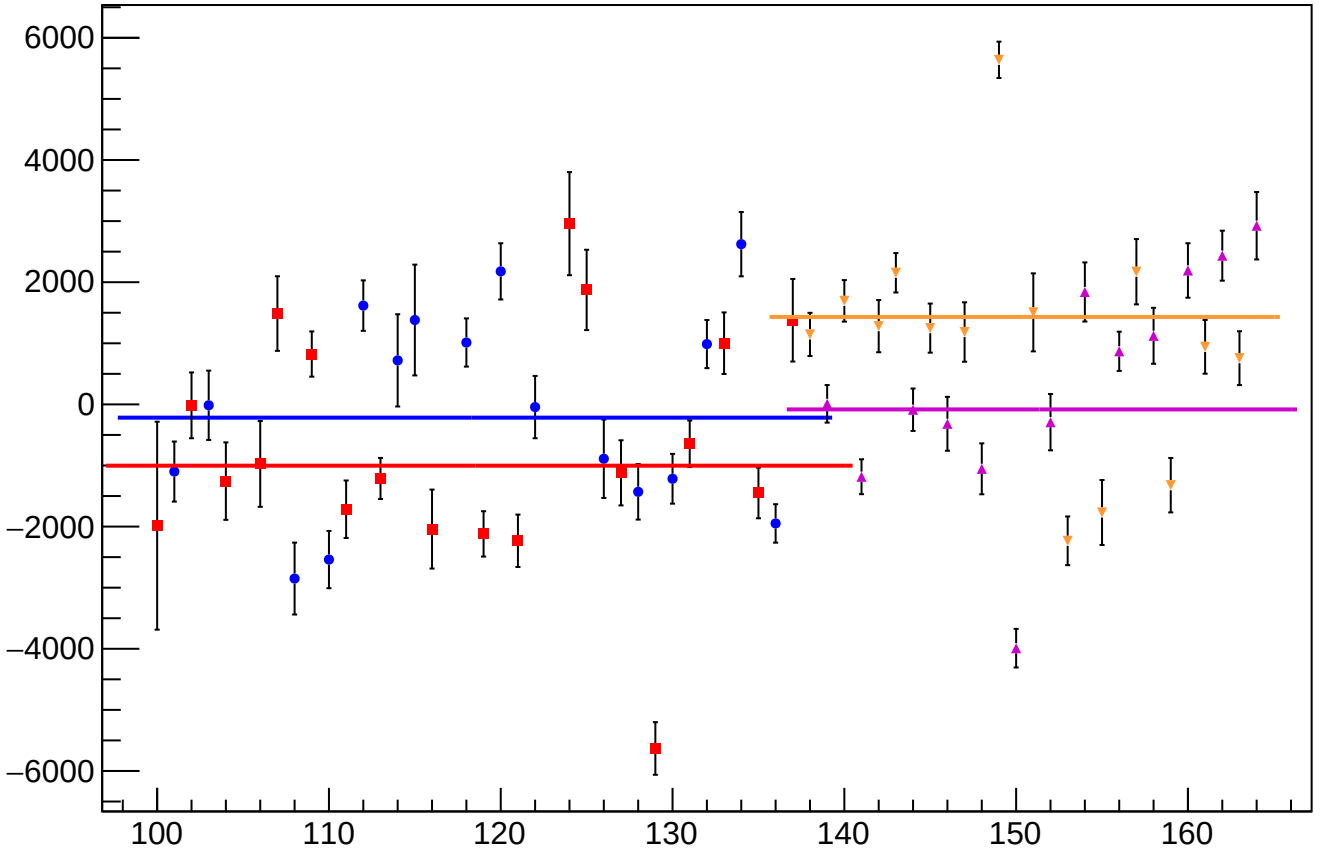
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 212.127+/-0.036 χ^2/NDF:1249229.5/28

Out: 216.501+/-0.037 χ^2/NDF:1935055.0/32

All: 214.286+/-0.026 χ^2/NDF: 3191389.1/61

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1431.396+/-108.680 χ^2/NDF:371.8/13

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -82.172+/-105.524 χ^2/NDF:299.1/12

Left: 652.322+/-75.708 χ^2/NDF: 770.7/26

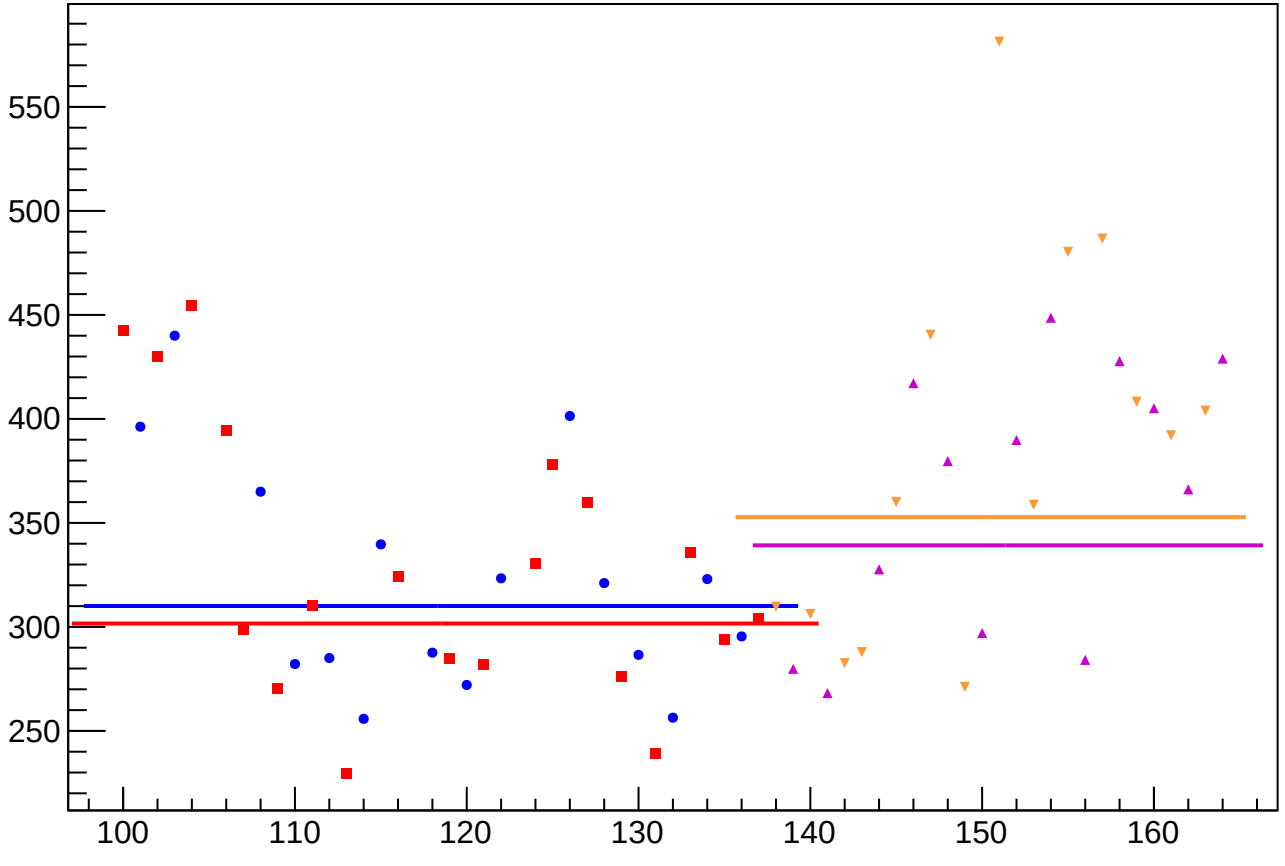
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -142.125+/-78.626 χ^2/NDF:492.0/28

Out: 262.791+/-78.368 χ^2/NDF:867.0/32

All: 60.998+/-55.505 χ^2/NDF: 1372.3/61

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 352.788+/-0.077 χ^2/NDF:990310.3/13

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 339.213+/-0.075 χ^2/NDF:682821.1/12

Left: 345.801+/-0.054 χ^2/NDF: 1689191.6/26

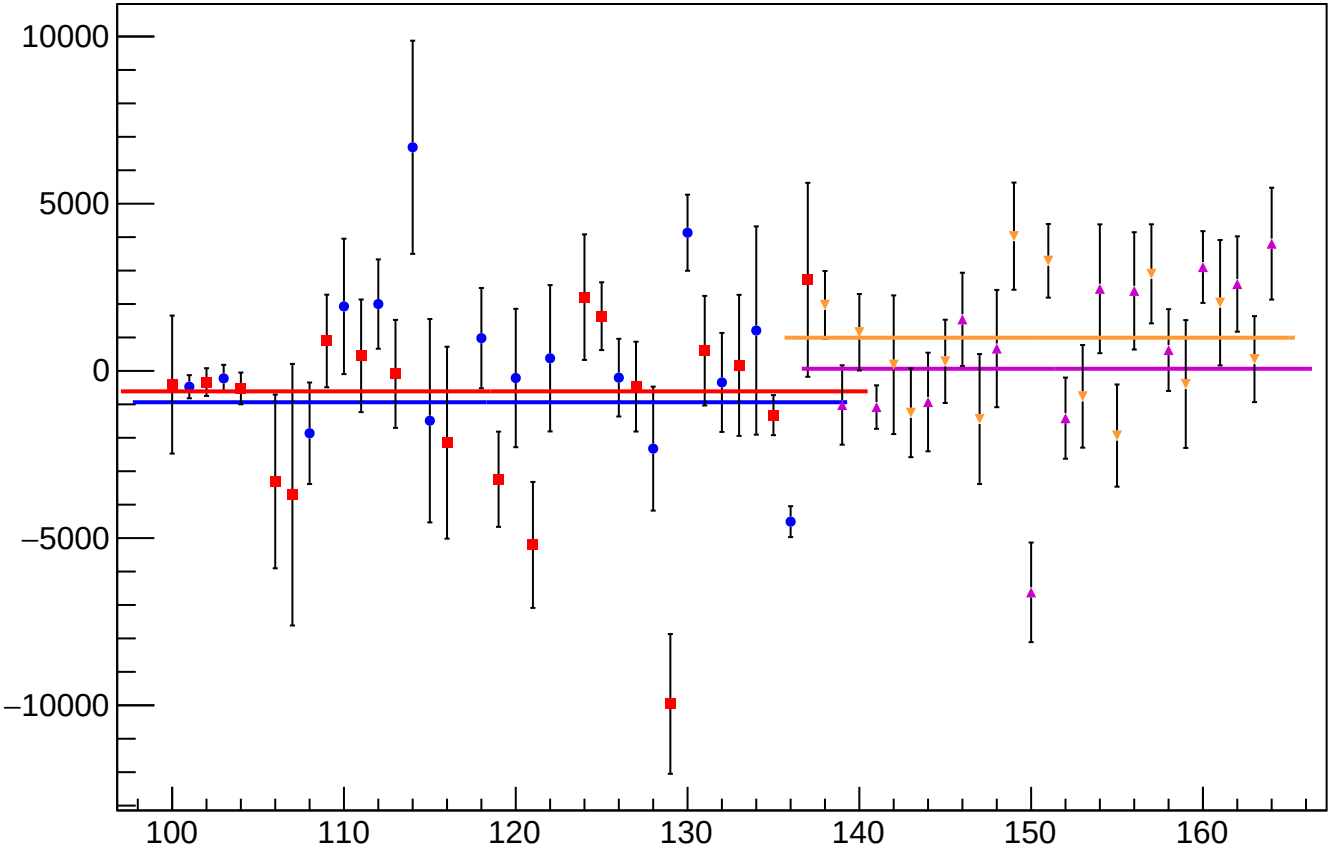
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 326.246+/-0.056 χ^2/NDF:1073999.8/28

Out: 328.234+/-0.055 χ^2/NDF:1722868.4/32

All: 327.243+/-0.039 χ^2/NDF: 2797509.7/61

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 992.846+/-374.313 χ^2/NDF:21.5/13

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: 64.377+/-343.266 χ^2/NDF:47.0/12

Left: 488.516+/-252.991 χ^2/NDF: 71.9/26

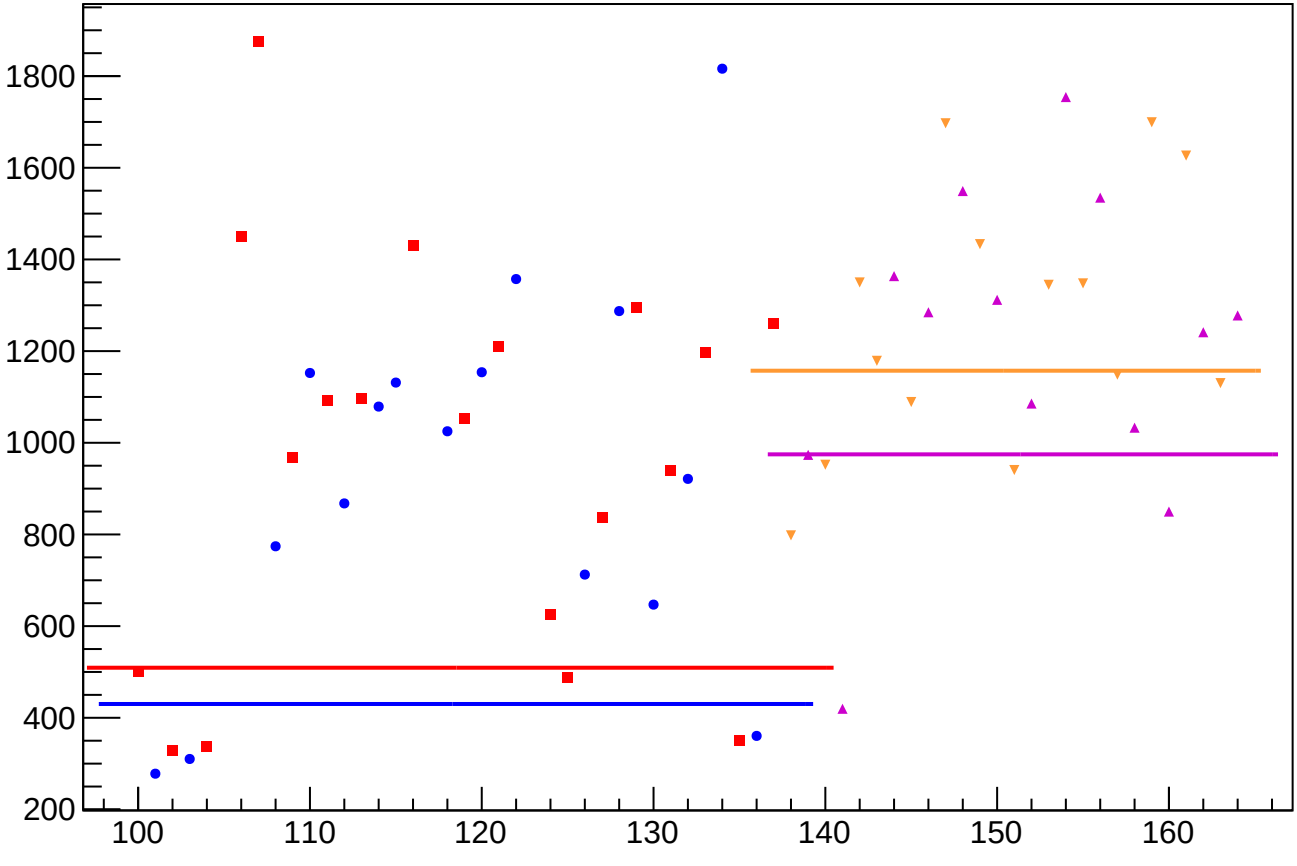
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -674.245+/-175.823 χ^2/NDF:154.4/28

Out: -163.182+/-197.896 χ^2/NDF:78.9/32

All: -448.793+/-131.440 χ^2/NDF: 237.1/61

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1157.252+/-0.265 χ^2/NDF:979366.5/13

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 974.759+/-0.243 χ^2/NDF:2728579.8/12

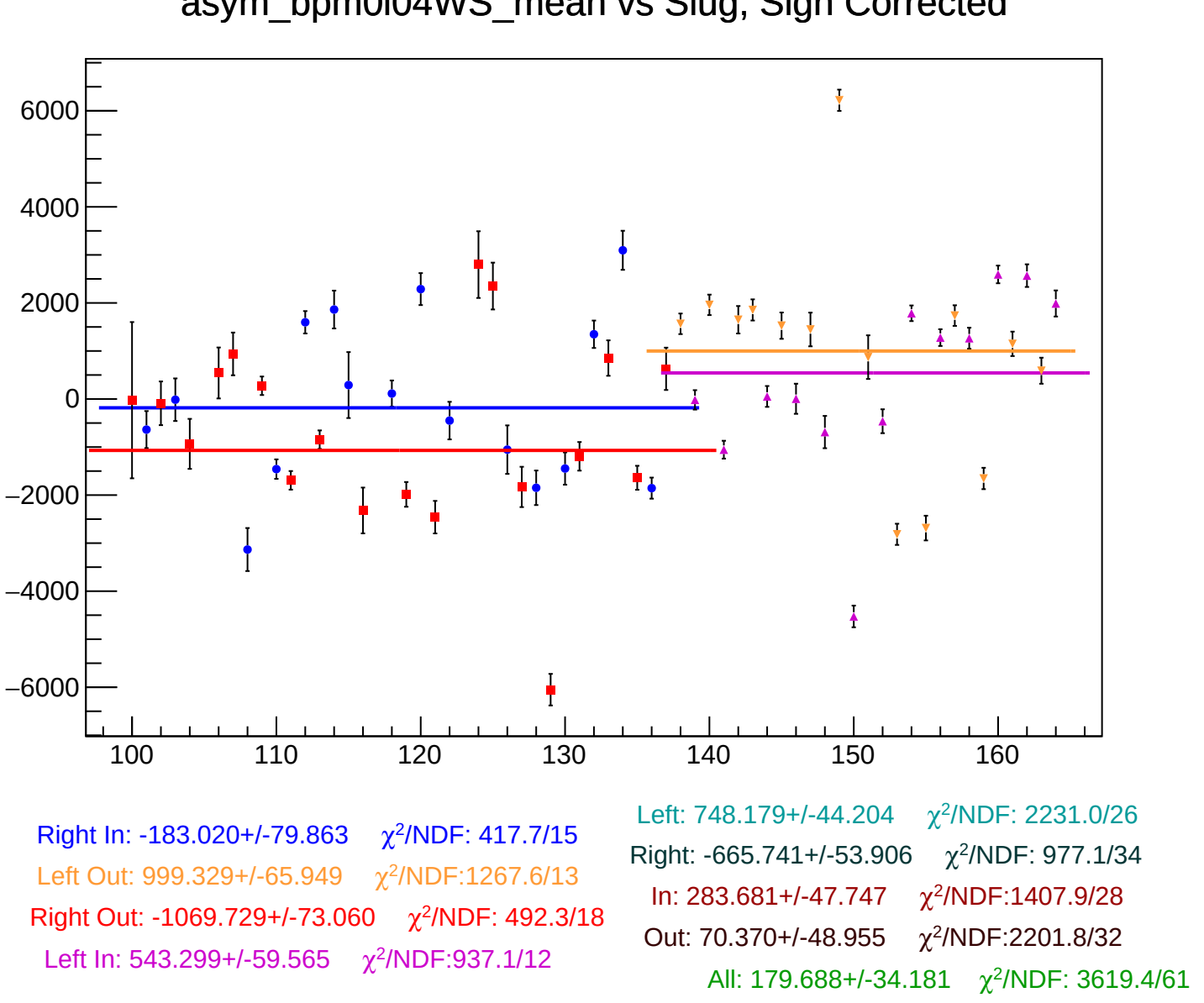
Left: 1058.124+/-0.179 χ^2/NDF: 3966173.1/26

Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

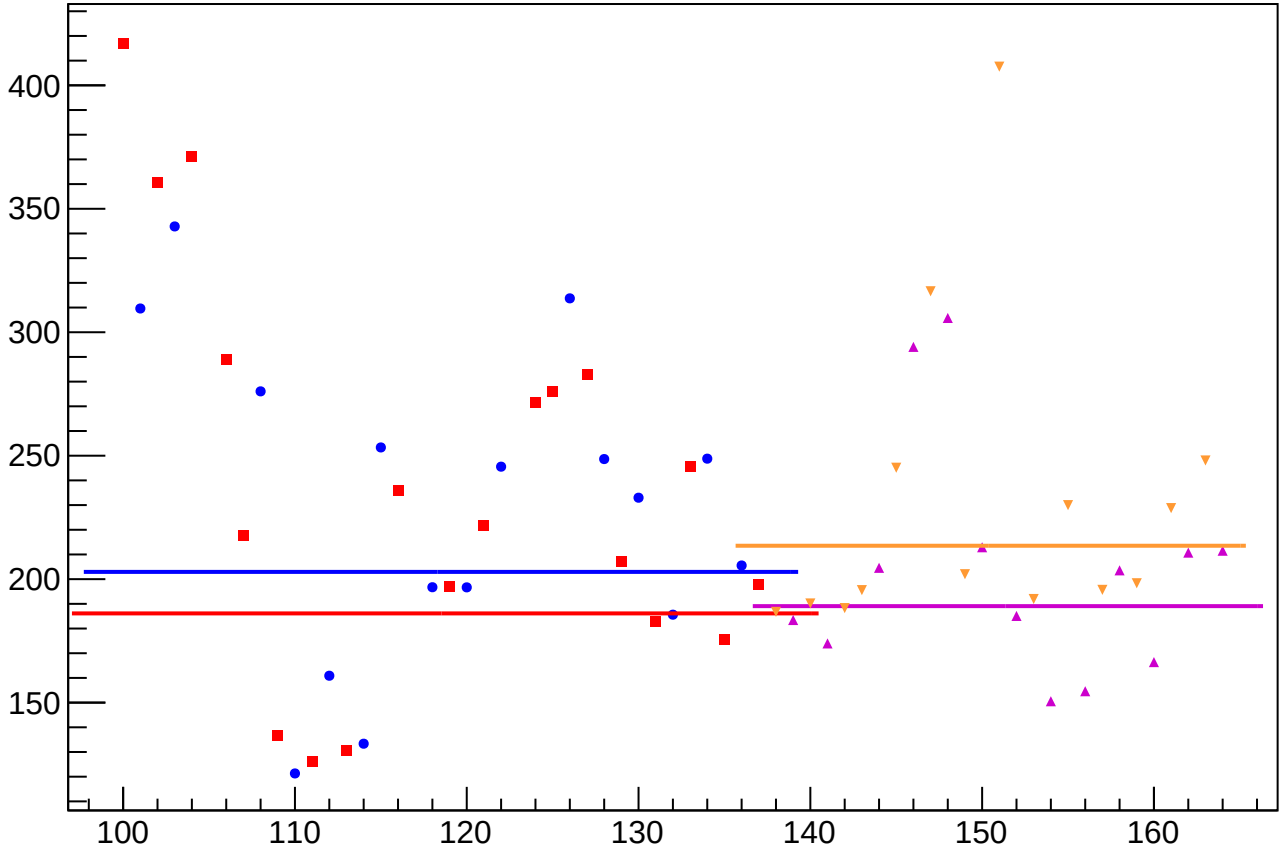
In: 573.002+/-0.124 χ^2/NDF:9964495.2/28

Out: 690.366+/-0.140 χ^2/NDF:8971534.0/32

All: 624.777+/-0.093 χ^2/NDF: 19329148.6/61


asym_bpm0l04WS_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -183.020+/-79.863 χ²/NDF: 417.7/15
Left Out: 999.329+/-65.949 χ²/NDF:1267.6/13
Right Out: -1069.729+/-73.060 χ²/NDF: 492.3/18
Left In: 543.299+/-59.565 χ²/NDF:937.1/12
Left: 748.179+/-44.204 χ²/NDF: 2231.0/26
Right: -665.741+/-53.906 χ²/NDF: 977.1/34
In: 283.681+/-47.747 χ²/NDF:1407.9/28
Out: 70.370+/-48.955 χ²/NDF:2201.8/32
All: 179.688+/-34.181 χ²/NDF: 3619.4/61

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 213.533+/-0.047 χ^2/NDF:743602.0/13

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 189.074+/-0.042 χ^2/NDF:772756.8/12

Left: 200.063+/-0.031 χ^2/NDF: 1667858.0/26

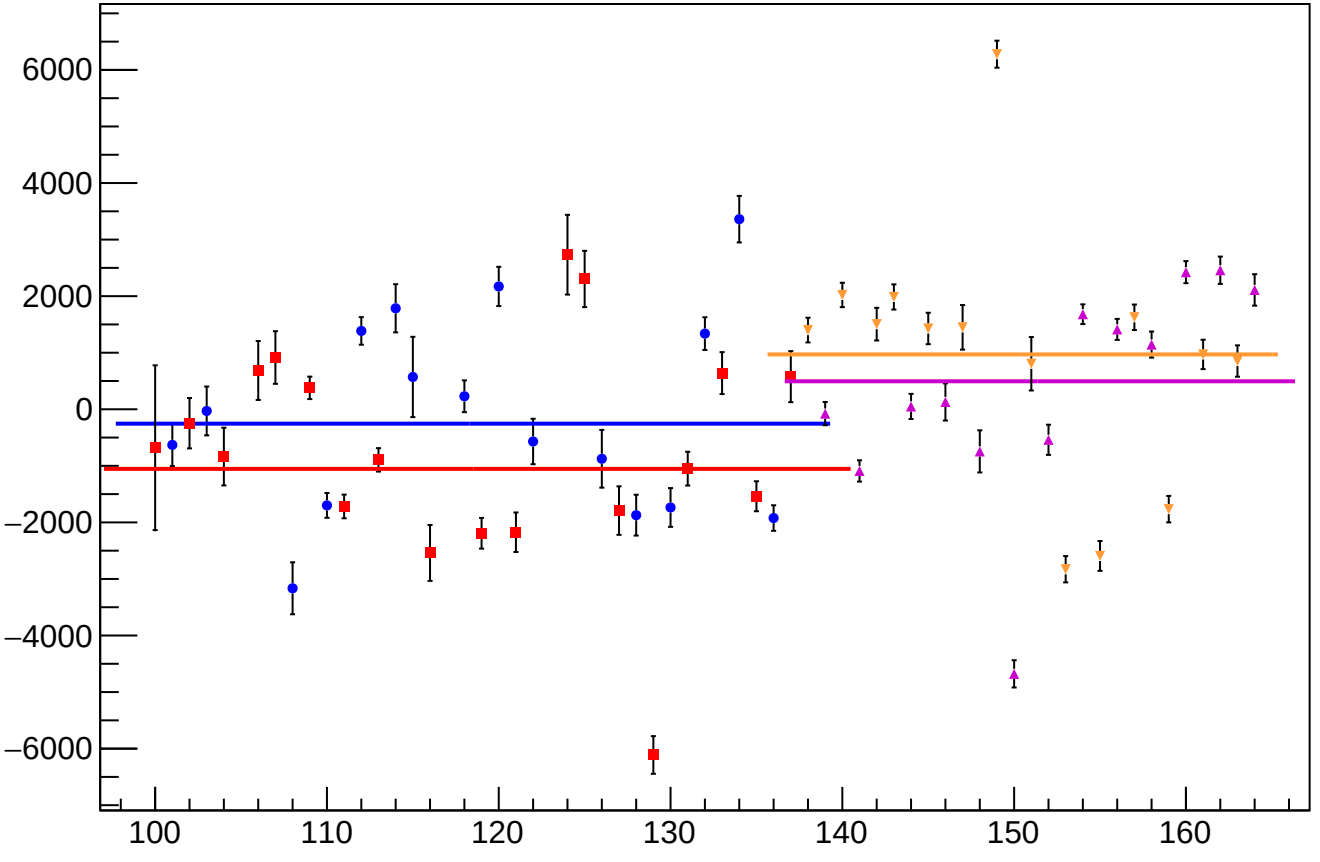
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 194.031+/-0.034 χ^2/NDF:1883359.9/28

Out: 201.229+/-0.035 χ^2/NDF:2380313.6/32

All: 197.540+/-0.024 χ^2/NDF: 4285833.1/61

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 969.959+/-68.244 χ^2/NDF:1144.6/13

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 495.030+/-62.359 χ^2/NDF:847.7/12

Left: 711.136+/-46.035 χ^2/NDF: 2018.7/26

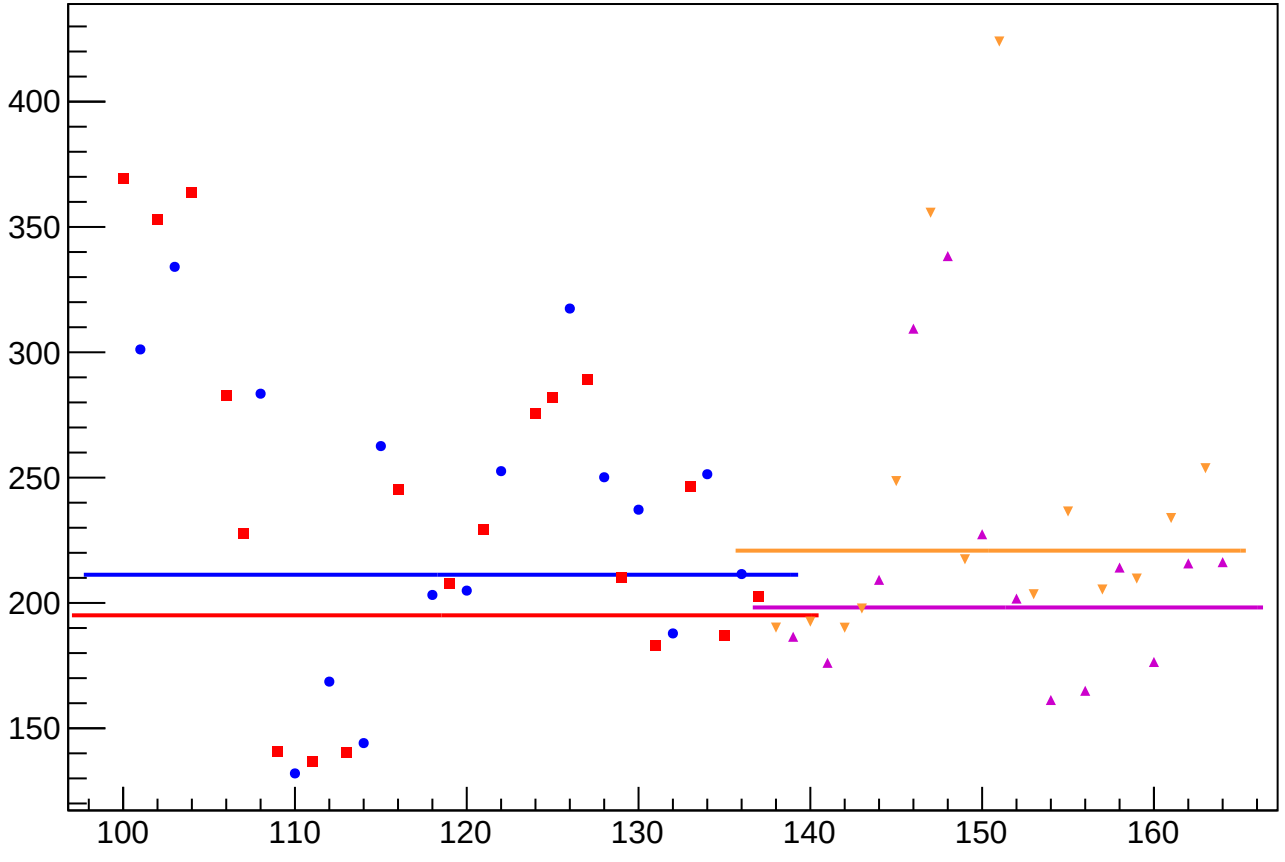
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 222.470+/-49.744 χ^2/NDF:1309.5/28

Out: 66.203+/-50.768 χ^2/NDF:2014.9/32

All: 145.928+/-35.531 χ^2/NDF: 3329.3/61

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 220.868+/-0.048 χ^2/NDF:807667.1/13

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 198.203+/-0.044 χ^2/NDF:788429.8/12

Left: 208.516+/-0.033 χ^2/NDF: 1716317.8/26

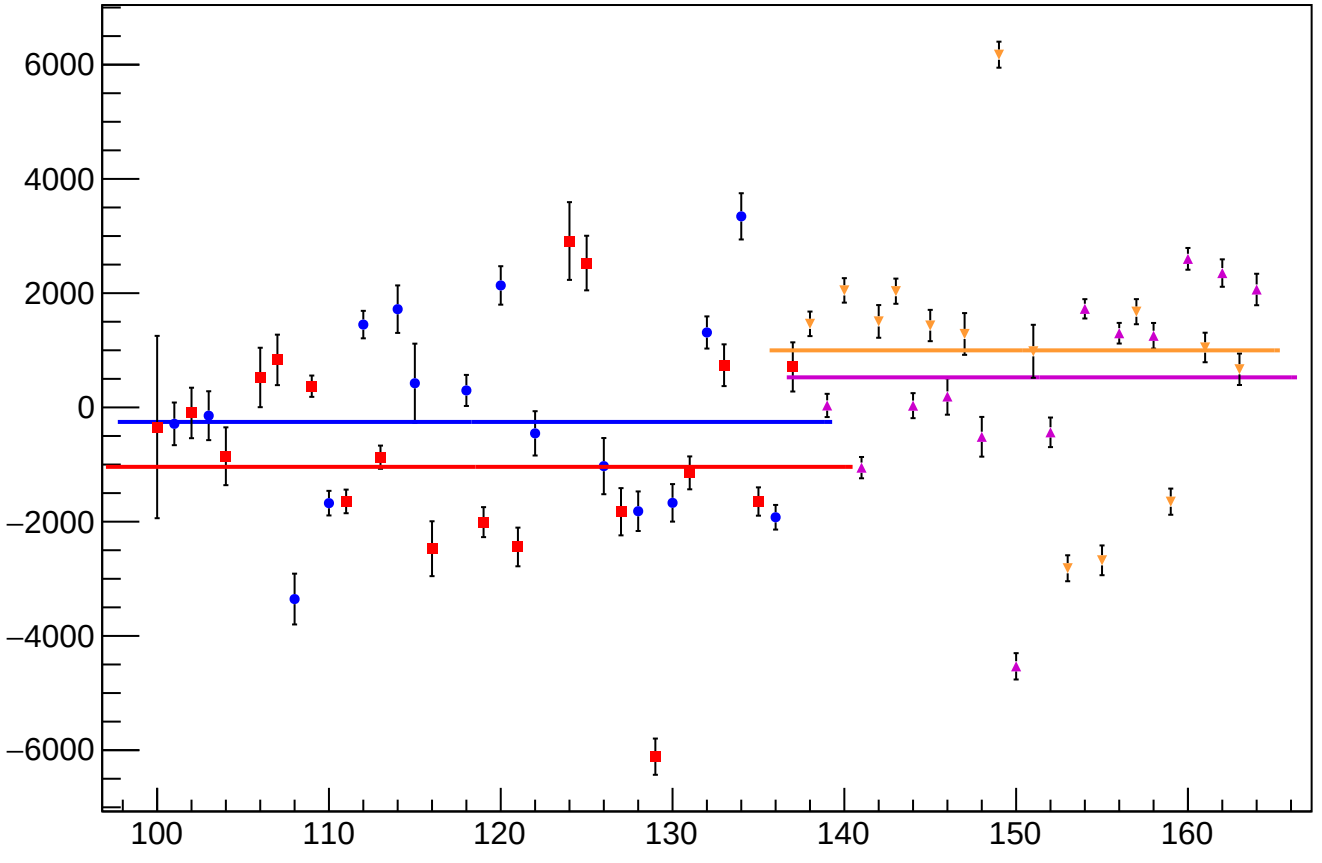
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 202.949+/-0.035 χ^2/NDF:1704648.4/28

Out: 209.343+/-0.036 χ^2/NDF:2220270.9/32

All: 206.081+/-0.025 χ^2/NDF: 3941104.7/61

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 998.812+/-66.976 χ^2/NDF:1198.1/13

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 526.494+/-60.957 χ^2/NDF:874.6/12

Left: 740.479+/-45.081 χ^2/NDF: 2099.9/26

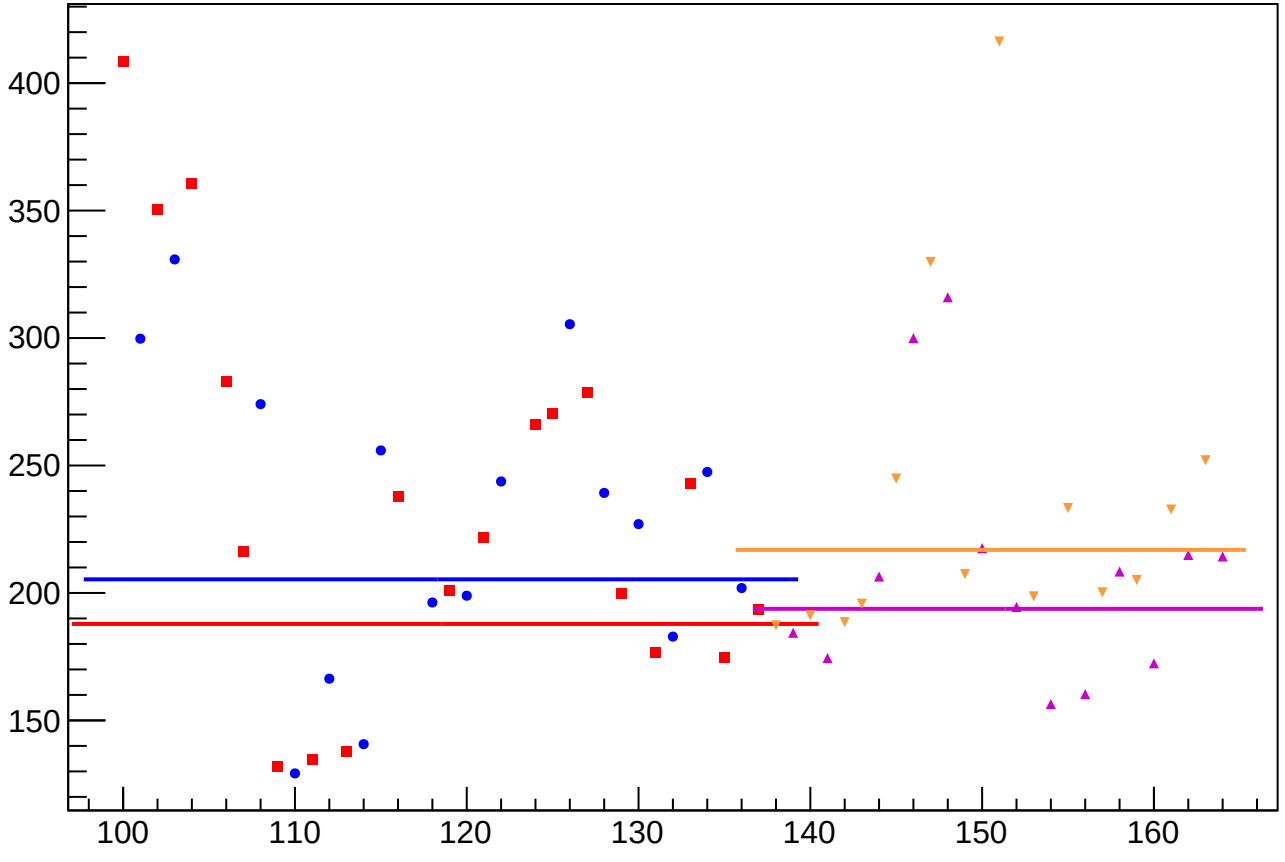
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 240.791+/-48.535 χ^2/NDF:1366.7/28

Out: 71.835+/-49.463 χ^2/NDF:2152.9/32

All: 157.913+/-34.643 χ^2/NDF: 3525.5/61

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 216.898+/-0.047 χ^2/NDF:767023.4/13

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 193.777+/-0.043 χ^2/NDF:748476.6/12

Left: 204.252+/-0.032 χ^2/NDF: 1645858.0/26

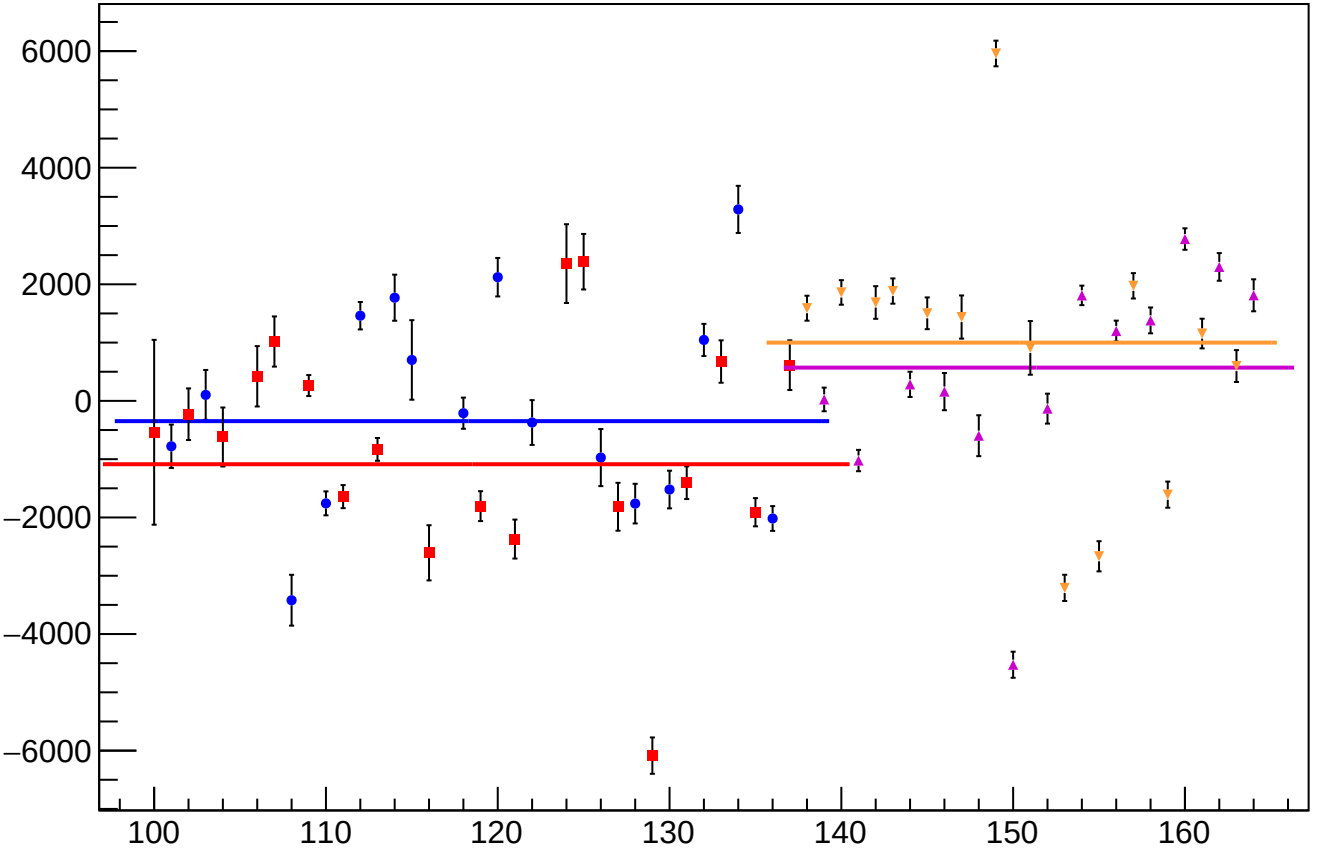
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 198.010+/-0.034 χ^2/NDF:1652222.9/28

Out: 203.692+/-0.035 χ^2/NDF:2275105.4/32

All: 200.797+/-0.024 χ^2/NDF: 3940776.0/61

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 999.569+/-66.074 χ^2/NDF:1268.3/13

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 570.438+/-60.125 χ^2/NDF:921.4/12

Left: 764.818+/-44.470 χ^2/NDF: 2212.8/26

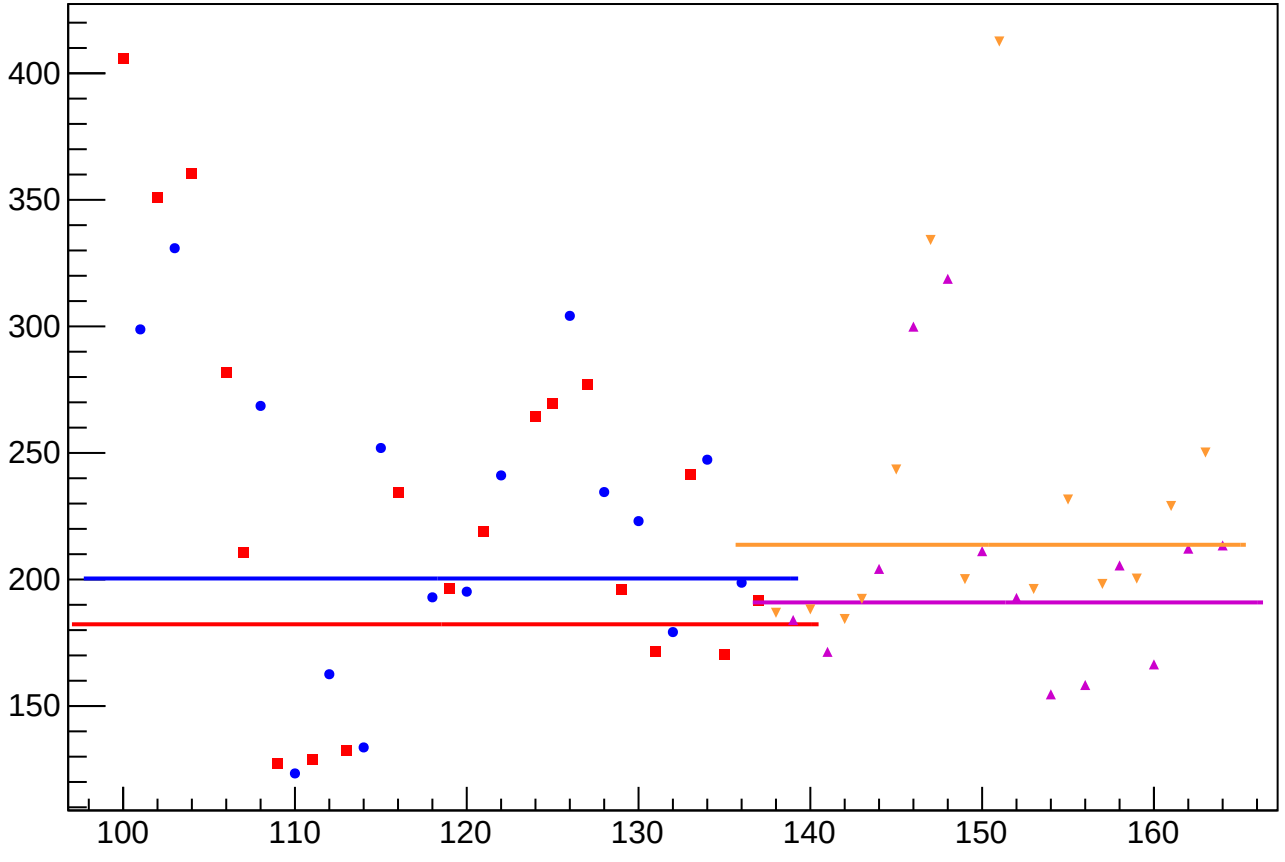
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 231.348+/-47.748 χ^2/NDF:1453.3/28

Out: 39.181+/-48.539 χ^2/NDF:2254.5/32

All: 136.843+/-34.039 χ^2/NDF: 3715.7/61

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 213.718+/-0.047 χ^2/NDF:800331.8/13

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 190.940+/-0.043 χ^2/NDF:782681.3/12

Left: 201.257+/-0.031 χ^2/NDF: 1713038.7/26

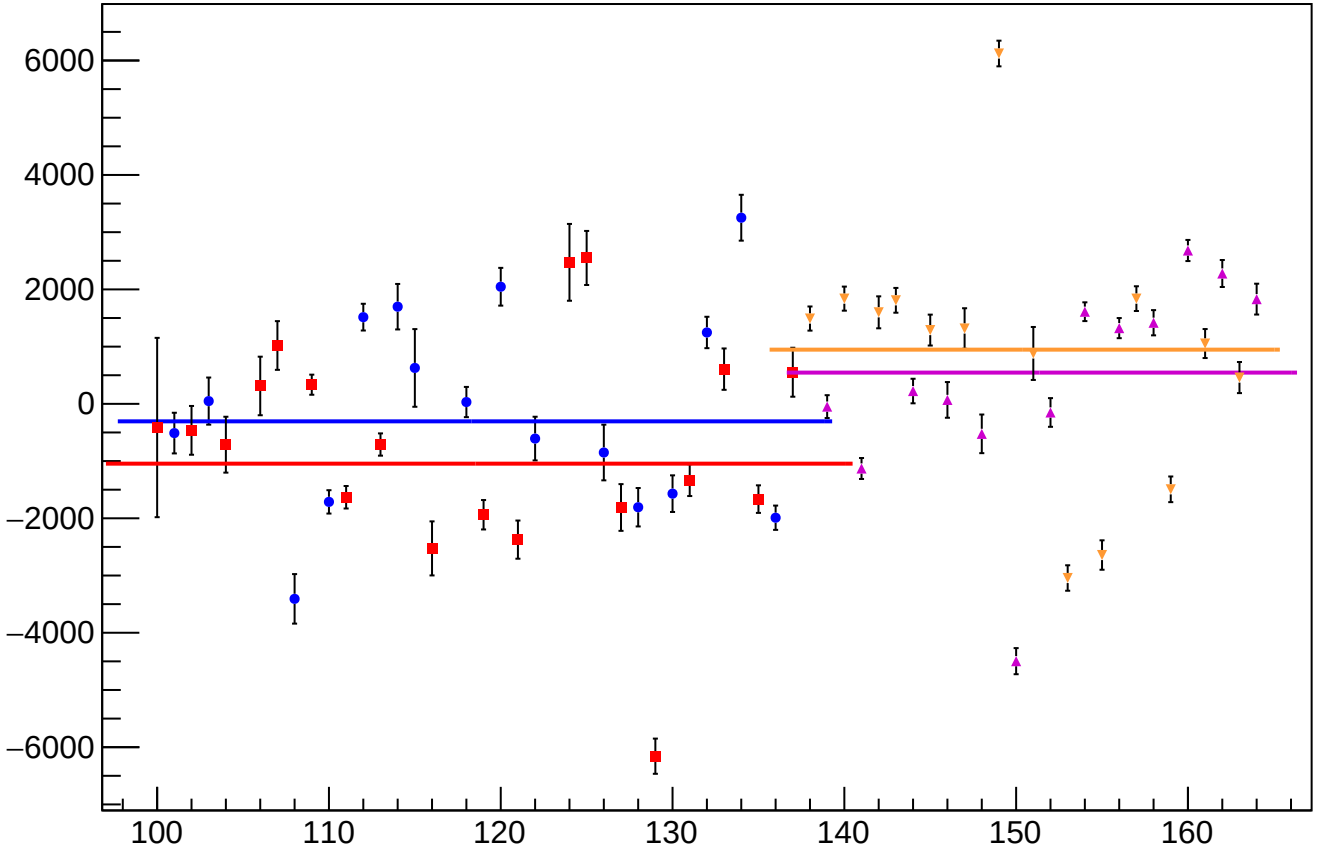
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 194.433+/-0.034 χ^2/NDF:1759965.5/28

Out: 199.255+/-0.034 χ^2/NDF:2455674.1/32

All: 196.805+/-0.024 χ^2/NDF: 4225671.6/61

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 947.246+/-65.766 χ^2/NDF:1236.3/13

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 546.106+/-59.546 χ^2/NDF:891.0/12

Left: 726.815+/-44.141 χ^2/NDF: 2147.7/26

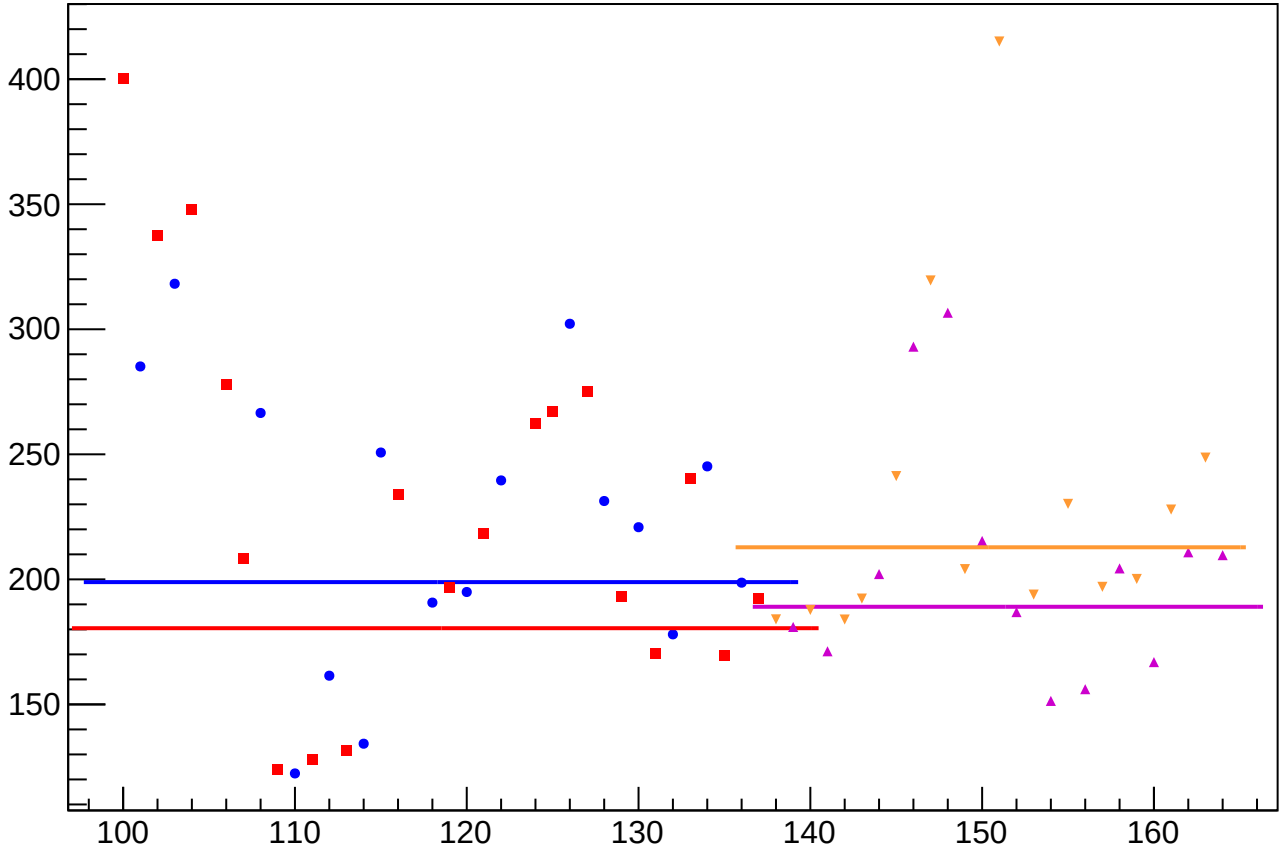
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 231.815+/-47.301 χ^2/NDF:1418.3/28

Out: 24.729+/-48.192 χ^2/NDF:2213.5/32

All: 130.205+/-33.758 χ^2/NDF: 3641.1/61

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 212.827+/-0.047 χ^2/NDF:776136.1/13

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 189.043+/-0.042 χ^2/NDF:763989.9/12

Left: 199.757+/-0.031 χ^2/NDF: 1683858.0/26

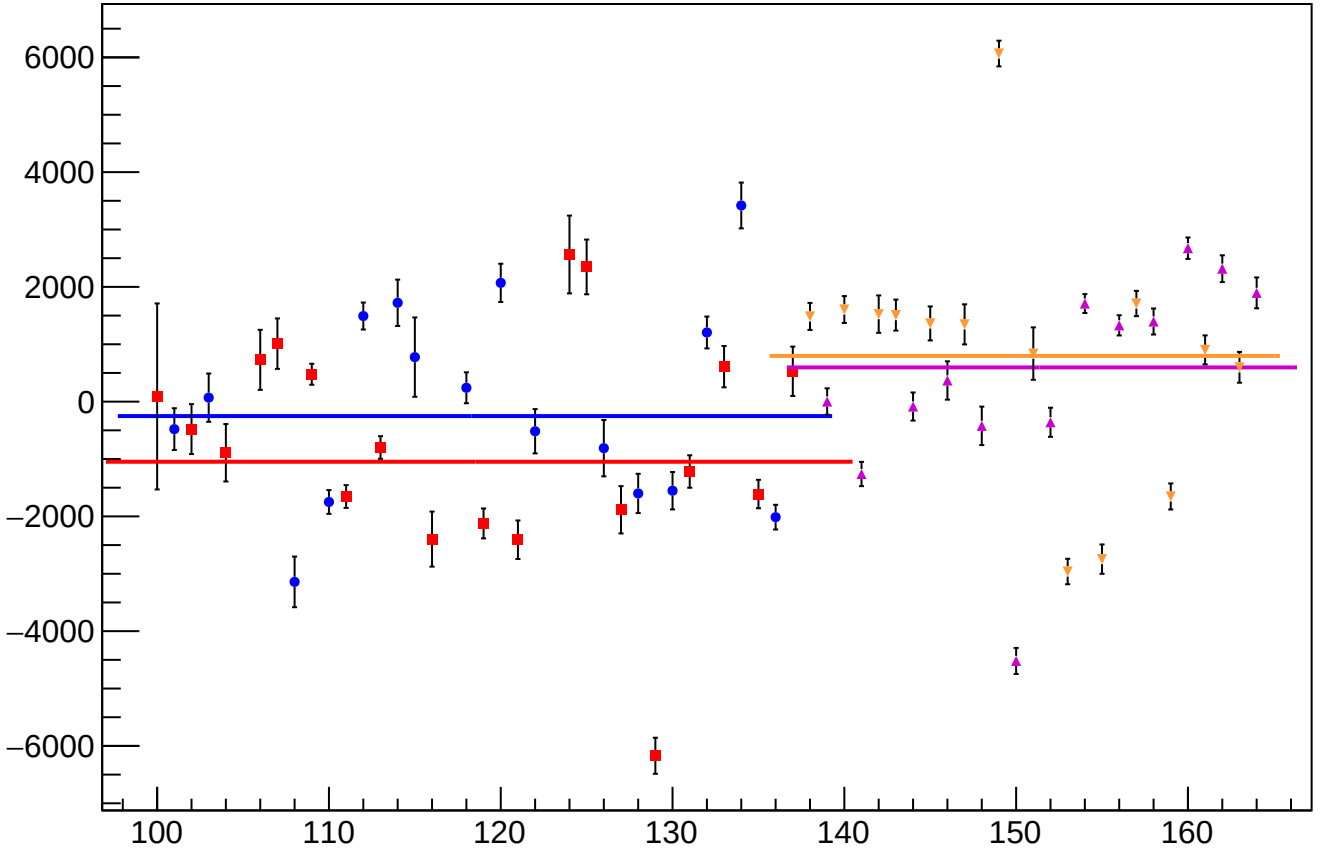
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 192.681+/-0.033 χ^2/NDF:1696986.5/28

Out: 197.846+/-0.034 χ^2/NDF:2434694.8/32

All: 195.215+/-0.024 χ^2/NDF: 4143381.2/61

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 796.896+/-69.179 χ^2/NDF:1205.1/13

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 596.477+/-62.013 χ^2/NDF:899.9/12

Left: 685.771+/-46.176 χ^2/NDF: 2109.7/26

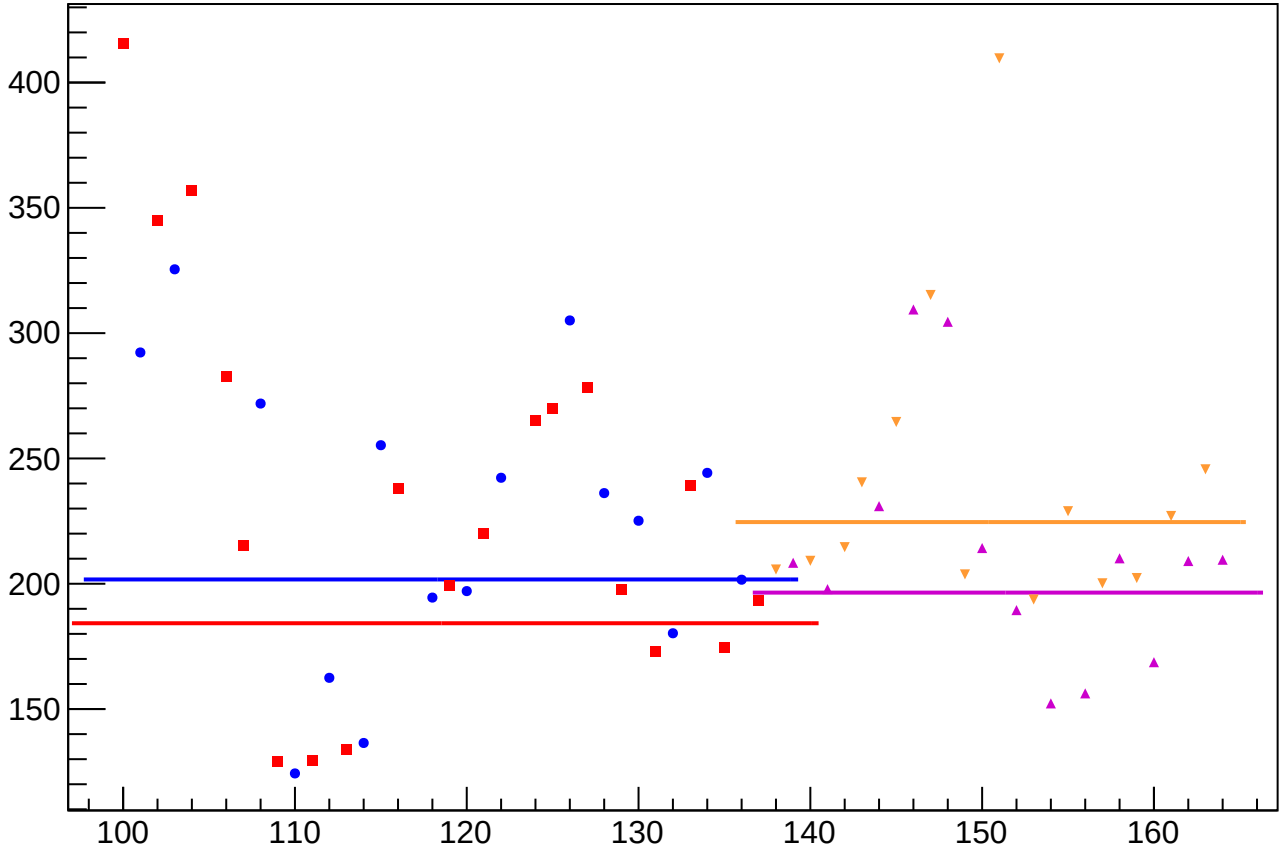
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 272.936+/-48.773 χ^2/NDF:1412.5/28

Out: -85.861+/-49.948 χ^2/NDF:2092.0/32

All: 97.805+/-34.896 χ^2/NDF: 3530.9/61

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 224.612+/-0.049 χ^2/NDF:642909.3/13

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 196.466+/-0.044 χ^2/NDF:805991.5/12

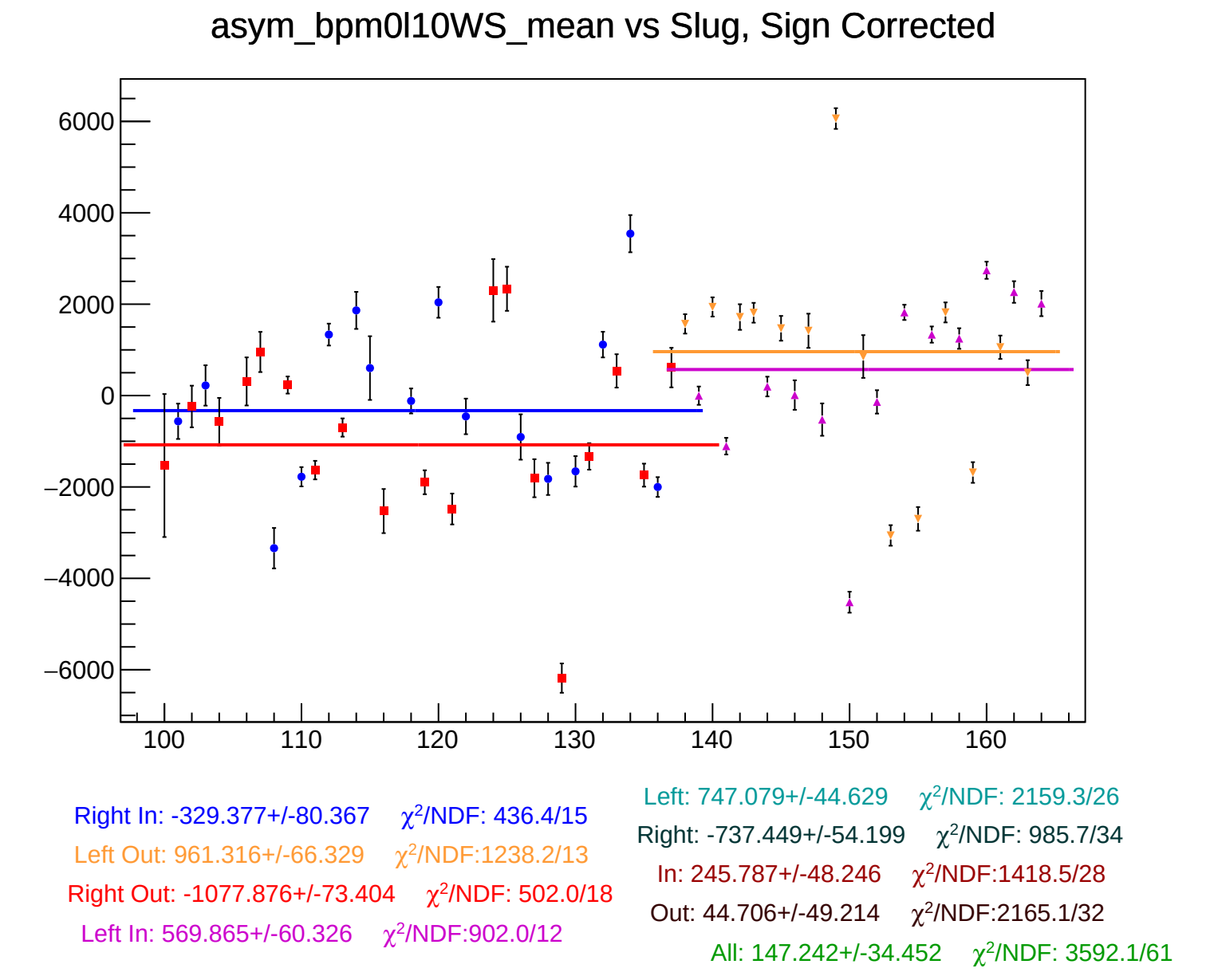
Left: 209.006+/-0.033 χ^2/NDF: 1632457.6/26

Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

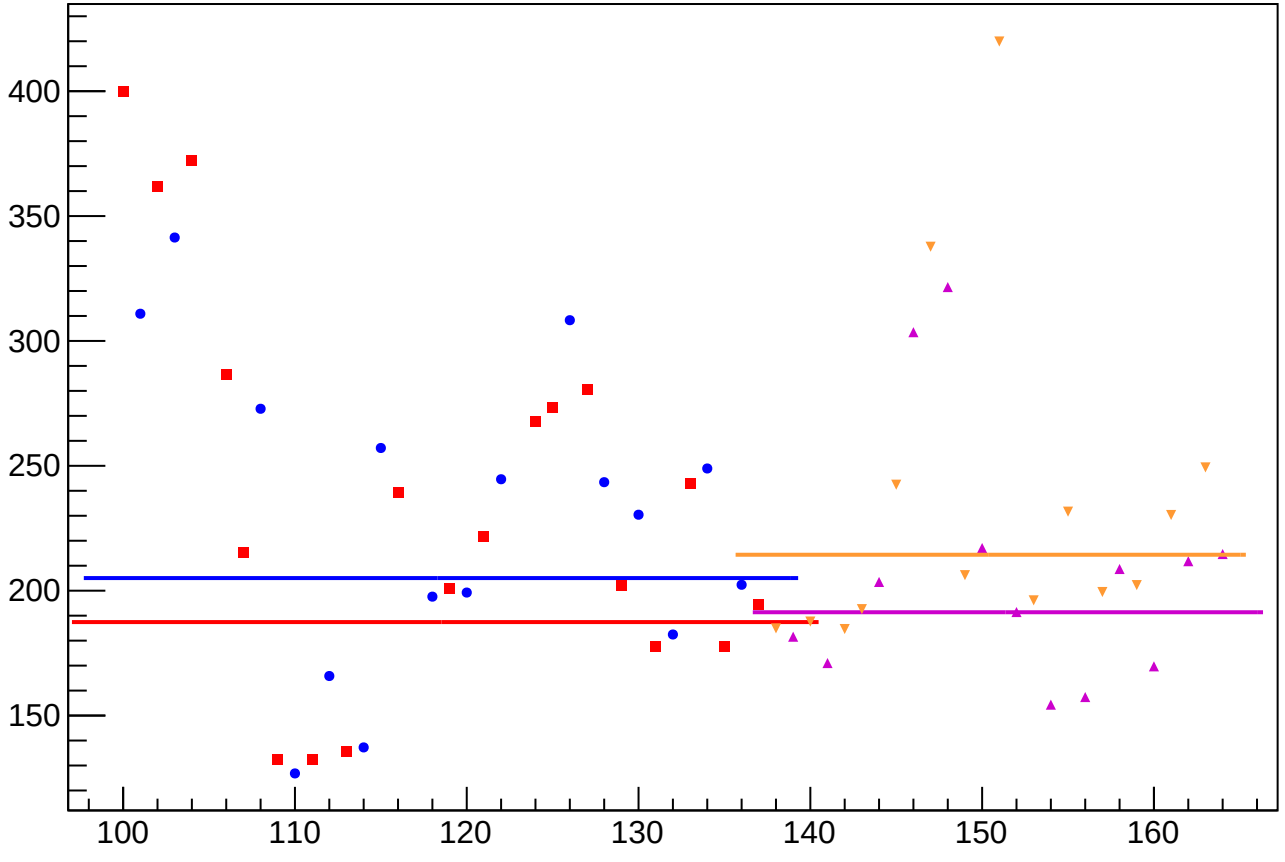
In: 198.468+/-0.034 χ^2/NDF:1735663.2/28

Out: 205.287+/-0.035 χ^2/NDF:2372678.7/32

All: 201.796+/-0.025 χ^2/NDF: 4127427.0/61


asym_bpm0l10WS_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -329.377+/-80.367 χ²/NDF: 436.4/15
Left Out: 961.316+/-66.329 χ²/NDF:1238.2/13
Right Out: -1077.876+/-73.404 χ²/NDF: 502.0/18
Left In: 569.865+/-60.326 χ²/NDF:902.0/12
Left: 747.079+/-44.629 χ²/NDF: 2159.3/26
Right: -737.449+/-54.199 χ²/NDF: 985.7/34
In: 245.787+/-48.246 χ²/NDF:1418.5/28
Out: 44.706+/-49.214 χ²/NDF:2165.1/32
All: 147.242+/-34.452 χ²/NDF: 3592.1/61

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 214.392+/-0.047 χ^2/NDF:818088.4/13

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 191.368+/-0.043 χ^2/NDF:811421.5/12

Left: 201.792+/-0.032 χ^2/NDF: 1761396.5/26

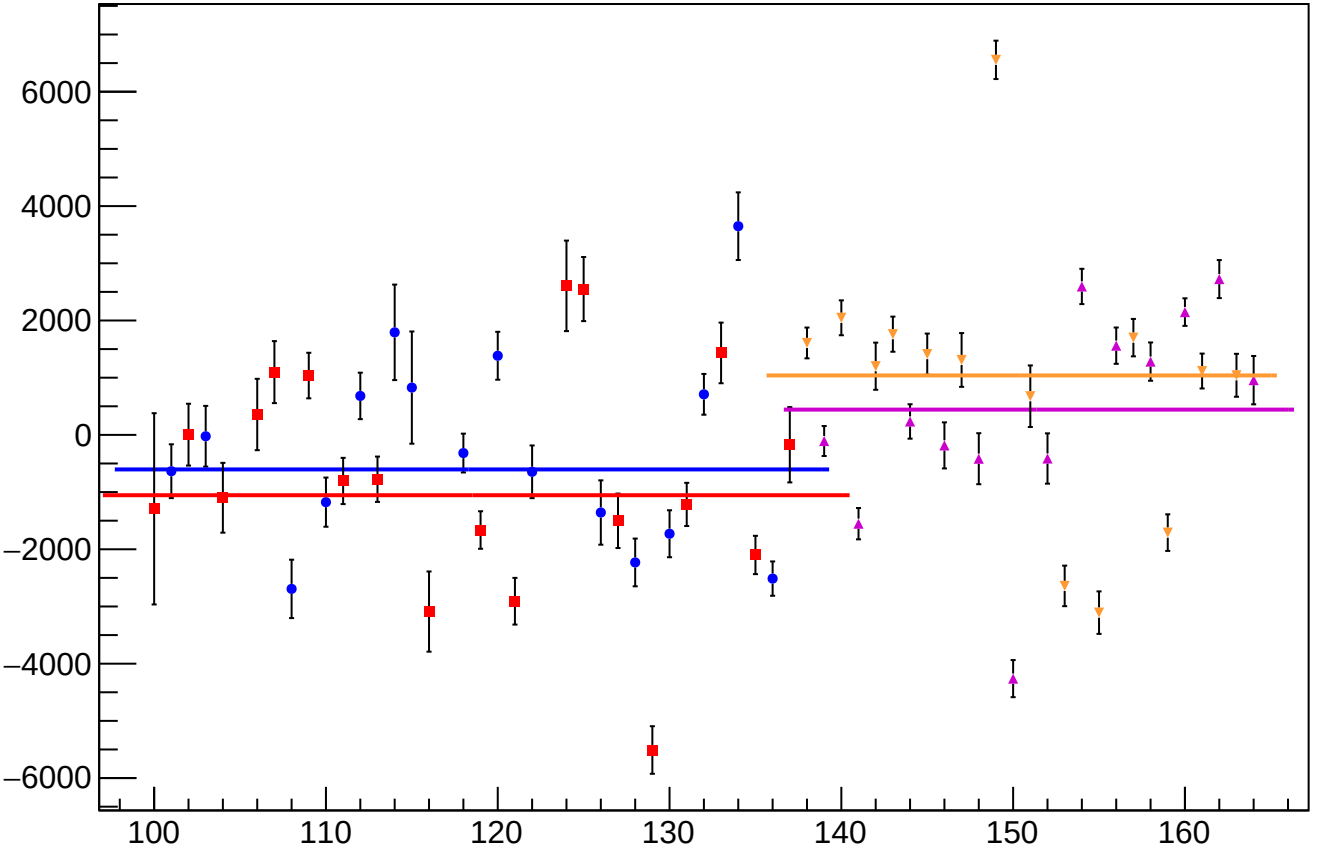
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 196.300+/-0.034 χ^2/NDF:1811562.5/28

Out: 202.273+/-0.035 χ^2/NDF:2377424.5/32

All: 199.228+/-0.024 χ^2/NDF: 4204011.5/61

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1039.461+/-92.108 χ^2/NDF:603.9/13

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 441.972+/-89.087 χ^2/NDF:443.9/12

Left: 730.759+/-64.036 χ^2/NDF: 1069.5/26

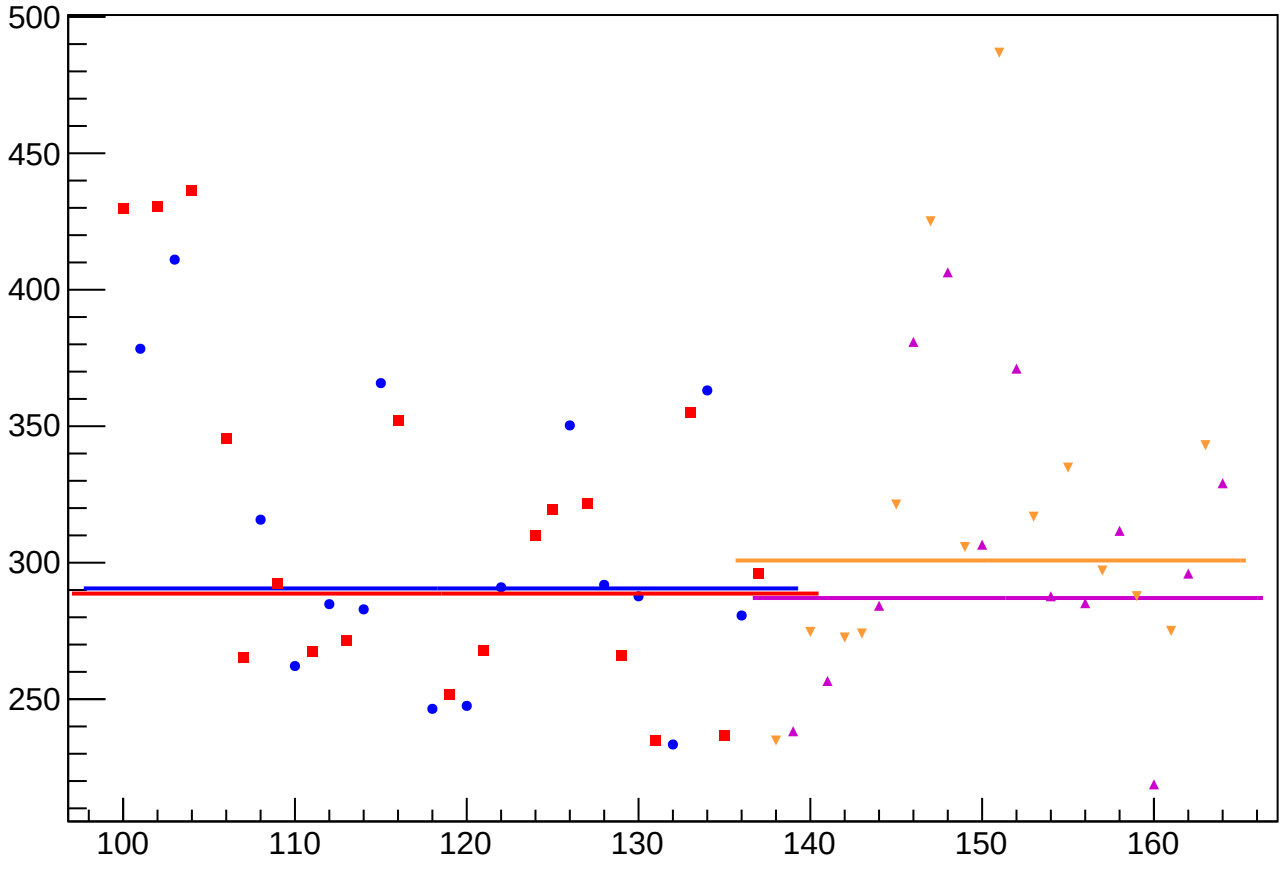
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 30.853+/-69.402 χ^2/NDF:691.6/28

Out: 160.198+/-70.154 χ^2/NDF:1118.6/32

All: 94.829+/-49.338 χ^2/NDF: 1811.9/61

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 300.809+/-0.065 χ^2/NDF:609153.1/13

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 287.055+/-0.063 χ^2/NDF:618884.5/12

Left: 293.703+/-0.045 χ^2/NDF: 1251079.6/26

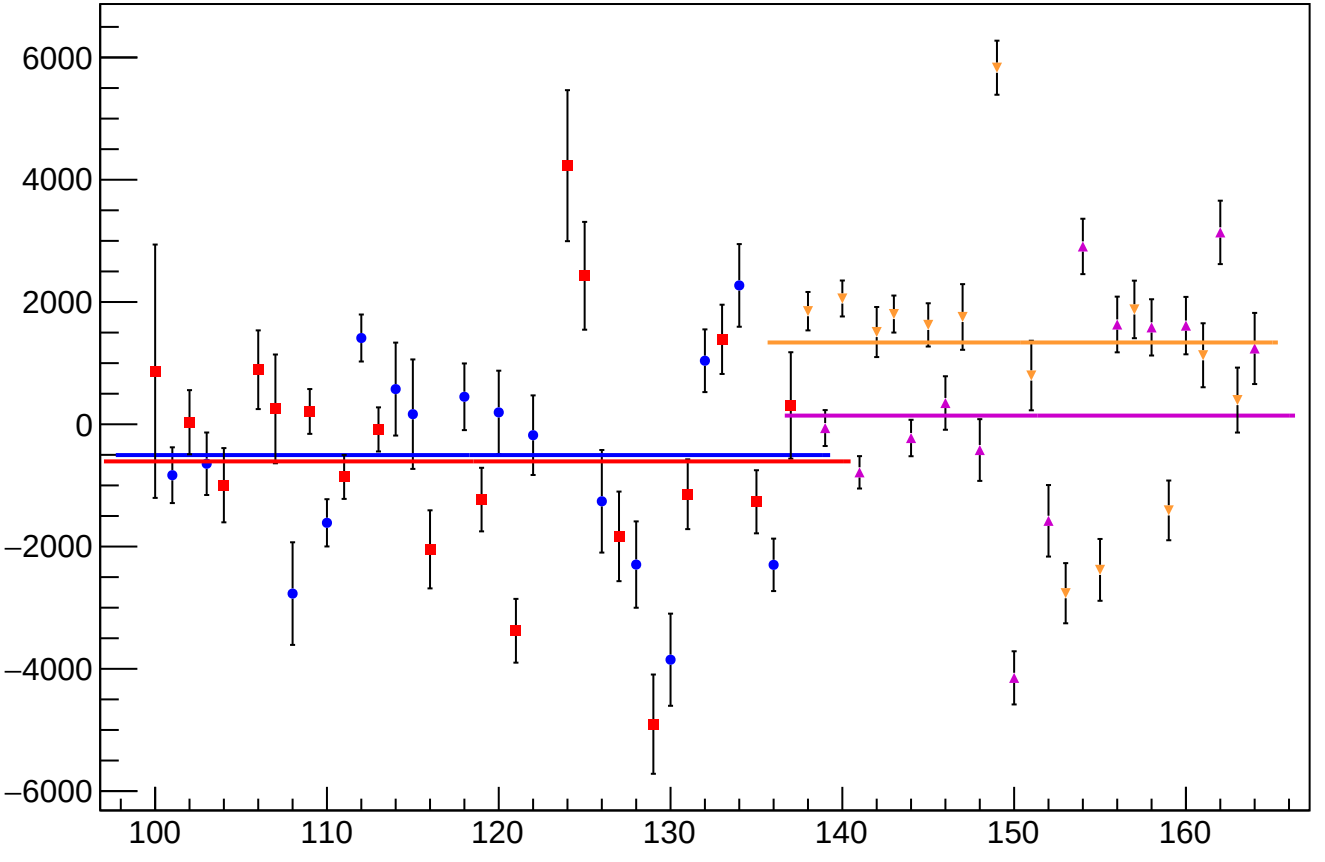
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 288.435+/-0.049 χ^2/NDF:979912.9/28

Out: 295.719+/-0.050 χ^2/NDF:1112796.3/32

All: 292.038+/-0.035 χ^2/NDF: 2103604.3/61

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1338.041+/-110.331 χ^2/NDF:276.4/13

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 142.059+/-111.754 χ^2/NDF:226.3/12

Left: 747.713+/-78.514 χ^2/NDF: 560.6/26

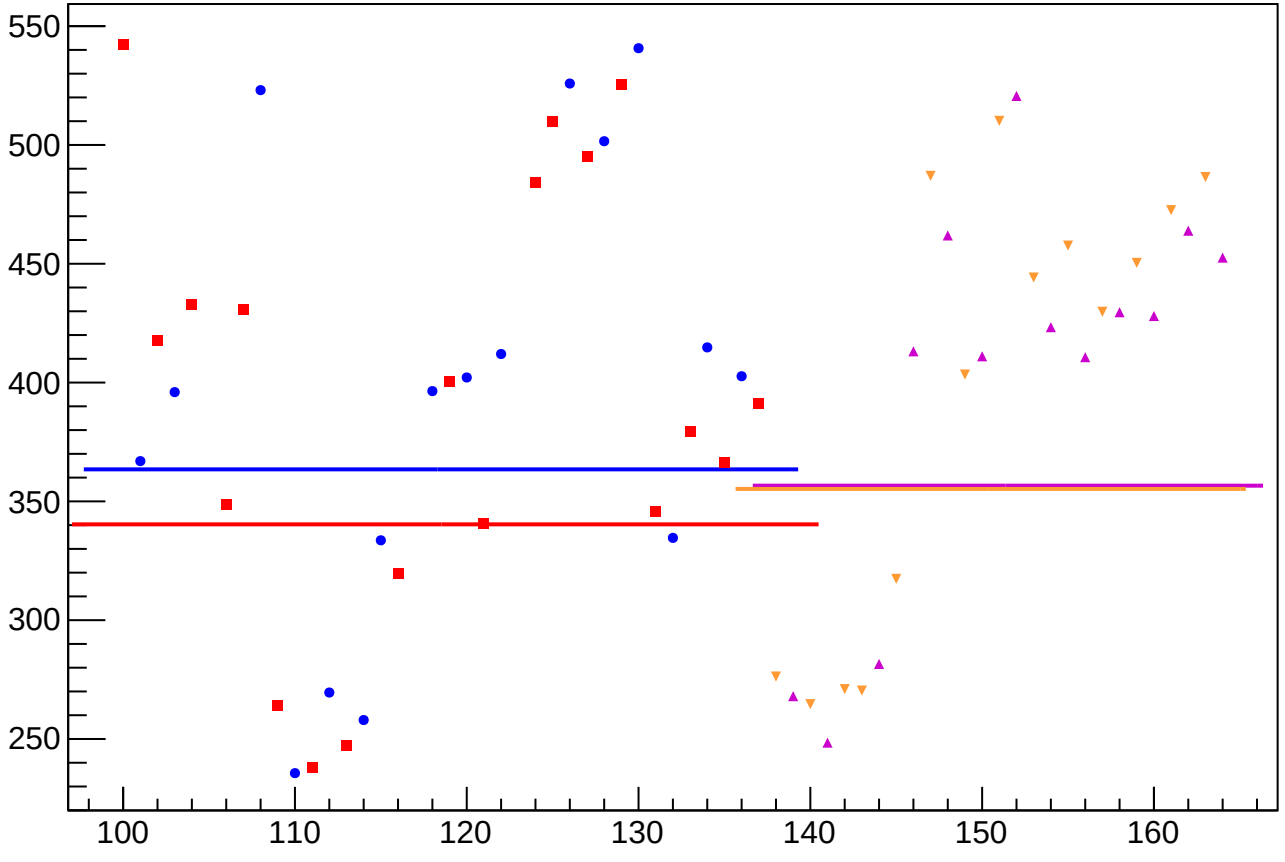
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -109.132+/-87.354 χ^2/NDF:357.5/28

Out: 520.841+/-84.013 χ^2/NDF:532.1/32

All: 218.132+/-60.553 χ^2/NDF: 916.6/61

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 355.240+/-0.078 χ^2/NDF:1368929.6/13

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 356.609+/-0.079 χ^2/NDF:1258876.4/12

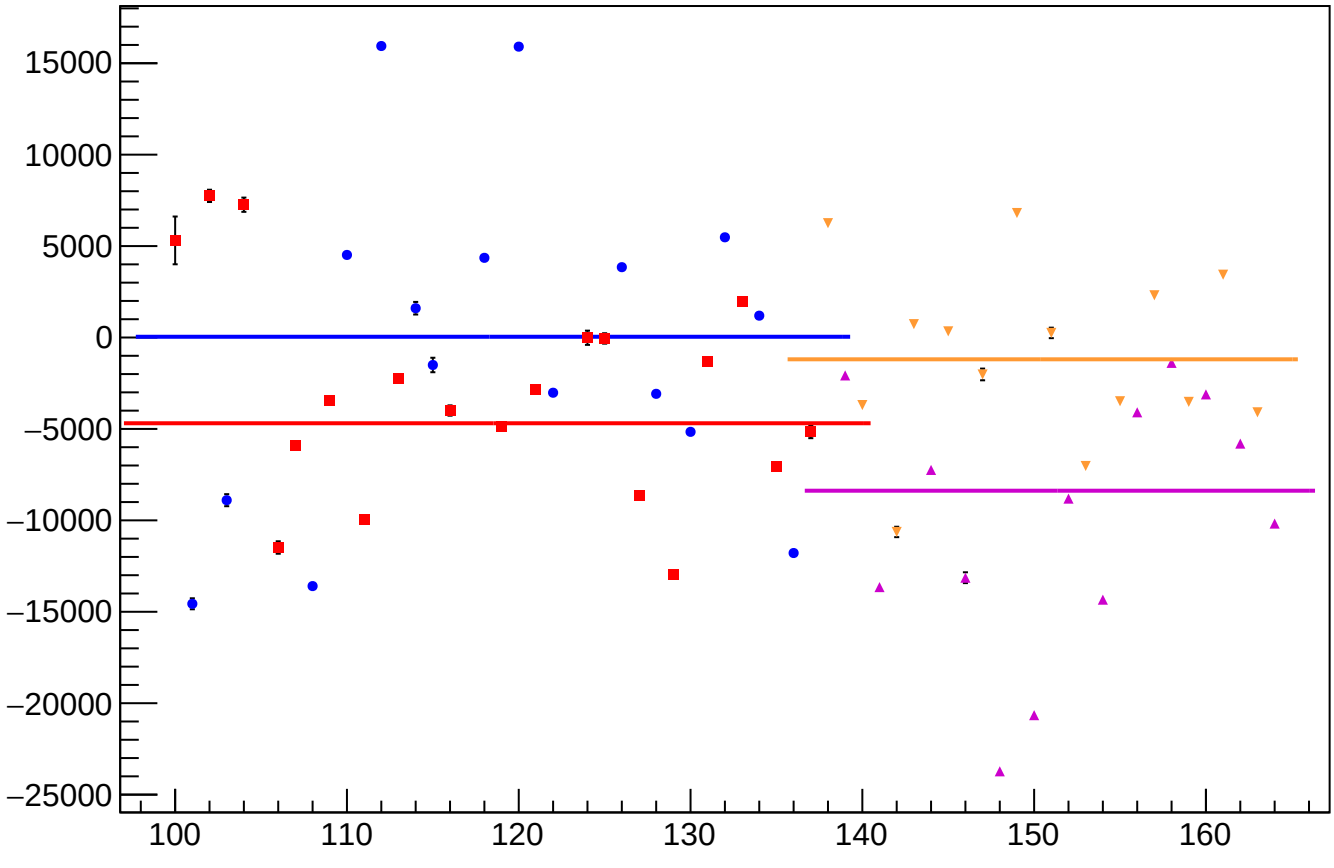
Left: 355.916+/-0.056 χ^2/NDF: 2627957.8/26

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 359.278+/-0.062 χ^2/NDF:2042703.3/28

Out: 348.976+/-0.059 χ^2/NDF:2240503.2/32

All: 353.927+/-0.043 χ^2/NDF: 4297656.2/61



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1192.515+/-51.839 χ^2/NDF:7670.2/13

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8378.659+/-53.222 χ^2/NDF:14443.2/12

Left: -4690.974+/-37.135 χ^2/NDF: 31468.8/26

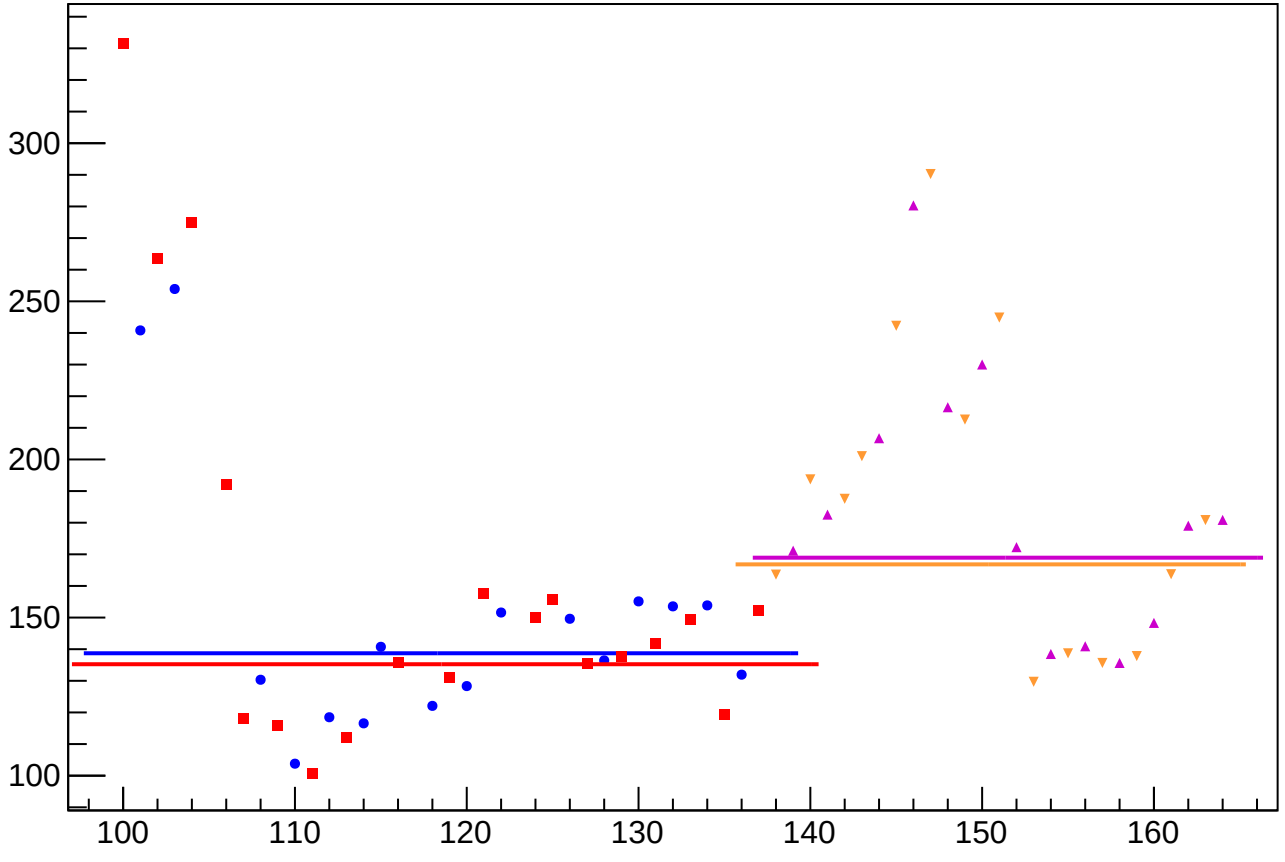
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4245.381+/-37.974 χ^2/NDF:57515.1/28

Out: -2932.496+/-36.746 χ^2/NDF:17730.3/32

All: -3567.359+/-26.407 χ^2/NDF: 75862.7/61

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.822+/-0.037 χ^2/NDF:1136967.8/13

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 168.933+/-0.038 χ^2/NDF:845762.8/12

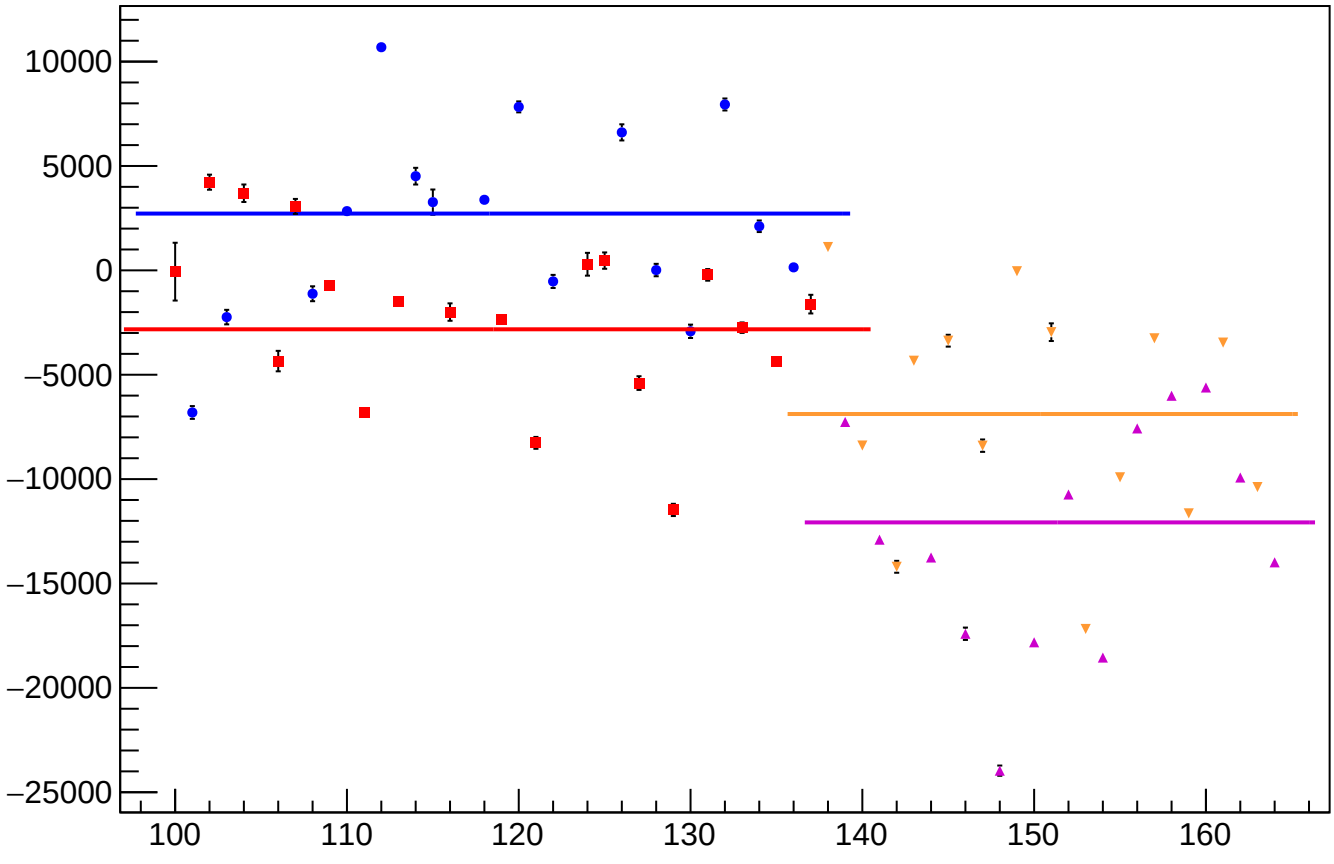
Left: 167.850+/-0.026 χ^2/NDF: 1984345.9/26

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 154.097+/-0.027 χ^2/NDF:1820119.5/28

Out: 151.111+/-0.026 χ^2/NDF:2396198.2/32

All: 152.555+/-0.019 χ^2/NDF: 4222703.6/61



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6881.559+/-61.536 χ^2/NDF:7861.1/13

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -12073.705+/-55.284 χ^2/NDF:9199.7/12

Left: -9754.720+/-41.125 χ^2/NDF: 21000.3/26

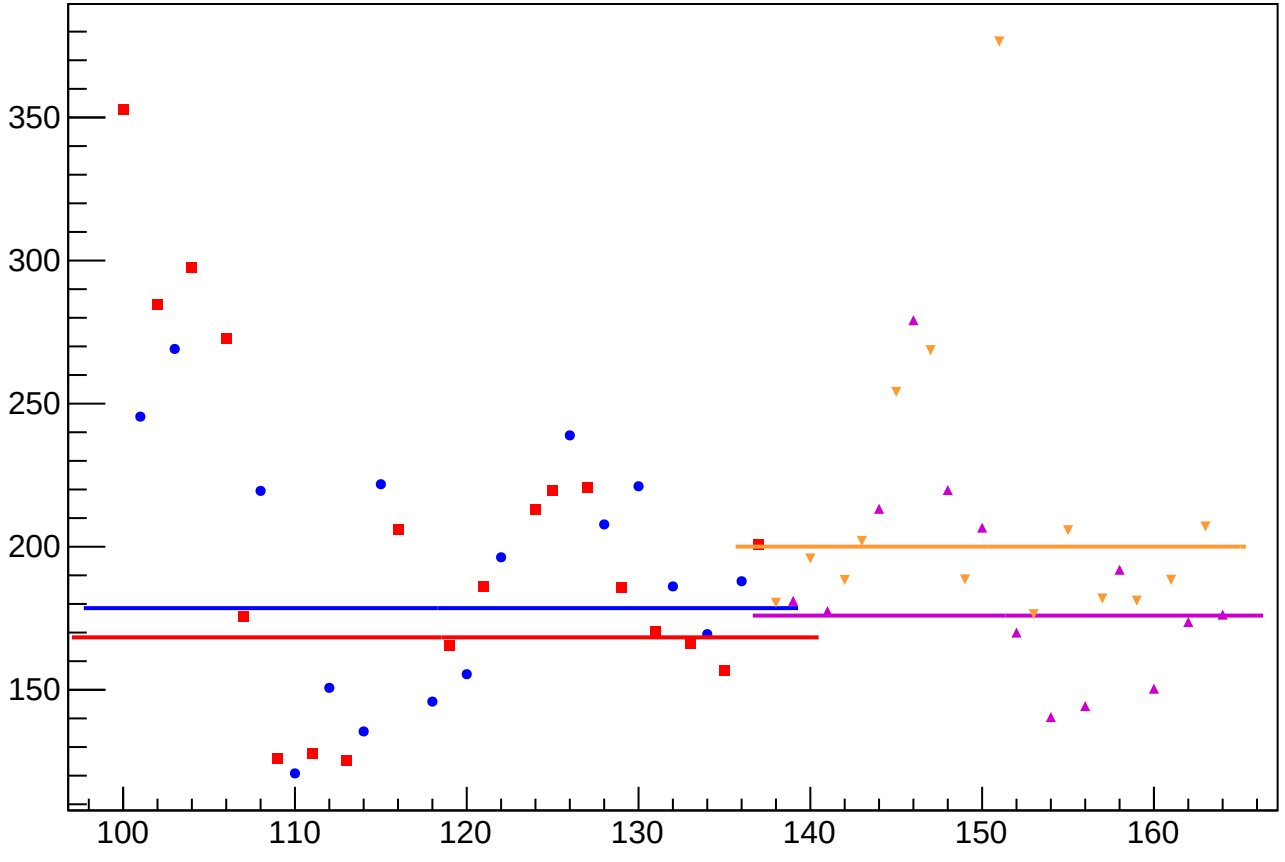
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6315.016+/-43.204 χ^2/NDF:41202.8/28

Out: -4958.943+/-44.638 χ^2/NDF:12984.1/32

All: -5659.114+/-31.045 χ^2/NDF: 54663.4/61

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 200.035+/-0.044 χ^2/NDF:625287.4/13

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 175.934+/-0.039 χ^2/NDF:647712.3/12

Left: 186.698+/-0.029 χ^2/NDF: 1442765.2/26

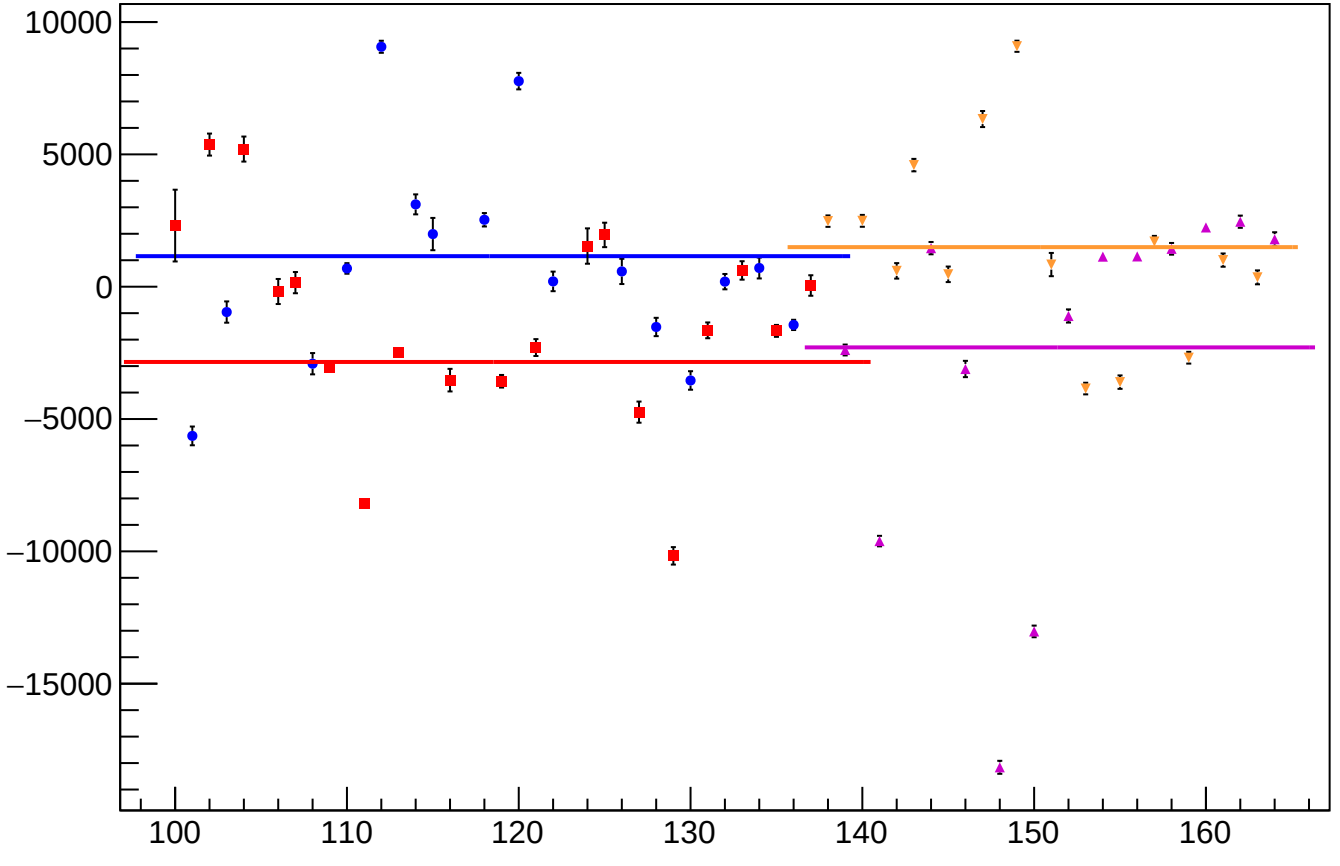
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 176.949+/-0.031 χ^2/NDF:1324009.4/28

Out: 185.015+/-0.032 χ^2/NDF:1856246.5/32

All: 180.851+/-0.022 χ^2/NDF: 3213978.1/61

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1495.123+/-66.019 χ^2/NDF:3156.6/13

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -2293.328+/-59.458 χ^2/NDF:10555.0/12

Left: -596.661+/-44.181 χ^2/NDF: 15529.8/26

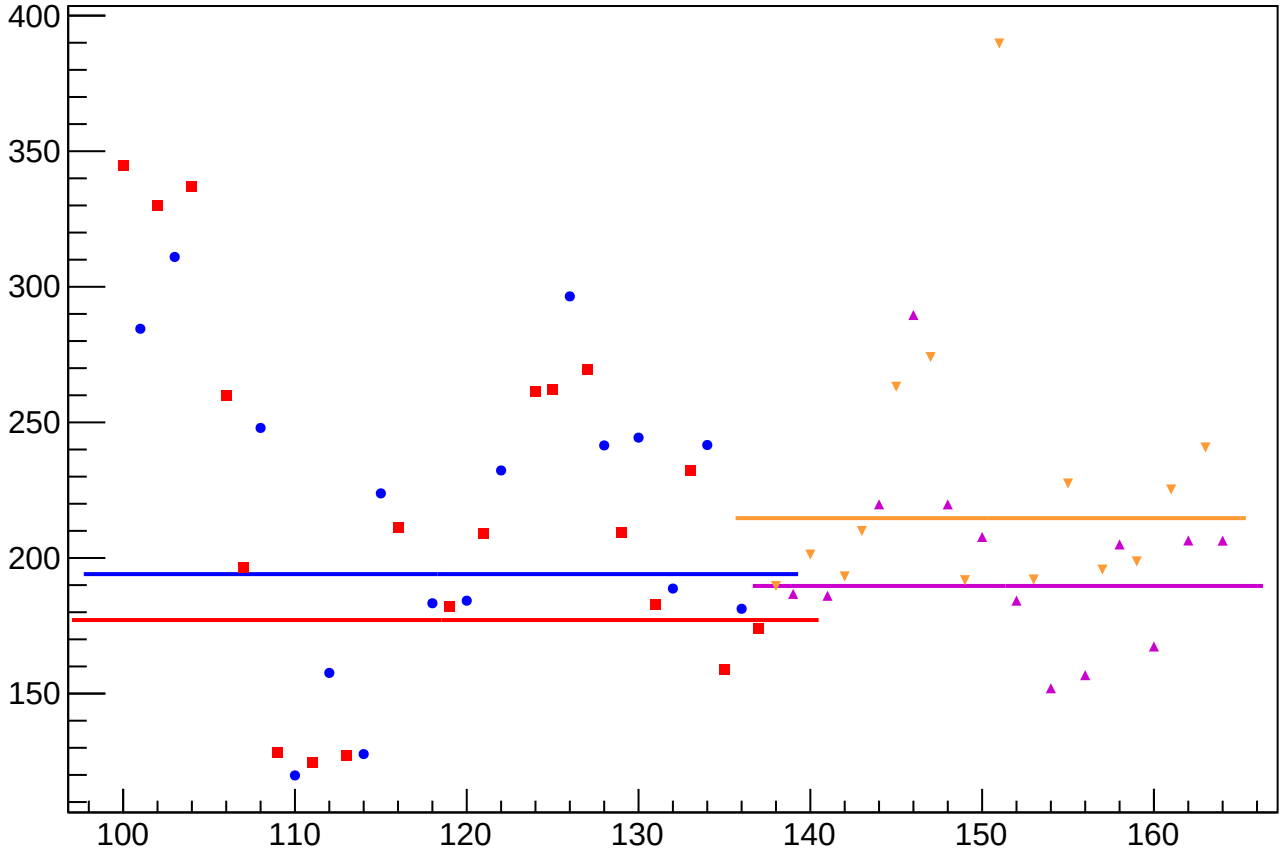
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -983.616+/-46.819 χ^2/NDF:14487.4/28

Out: -574.271+/-47.747 χ^2/NDF:7669.9/32

All: -782.960+/-33.429 χ^2/NDF: 22194.8/61

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.695+/-0.047 χ^2/NDF:592598.7/13

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 189.687+/-0.042 χ^2/NDF:520939.8/12

Left: 200.887+/-0.031 χ^2/NDF: 1271992.3/26

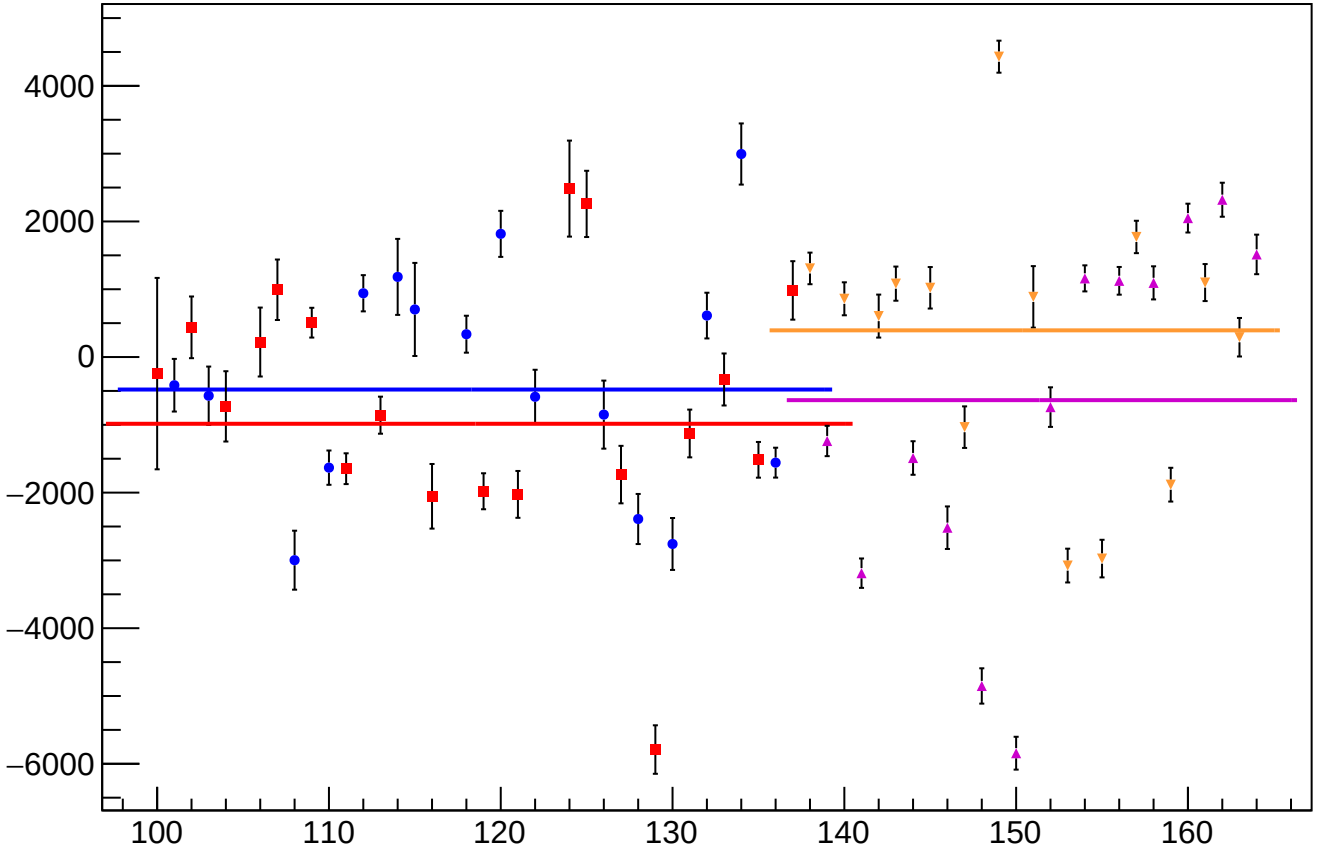
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 191.346+/-0.033 χ^2/NDF:1490823.1/28

Out: 196.772+/-0.034 χ^2/NDF:2261013.9/32

All: 194.006+/-0.024 χ^2/NDF: 3765005.6/61

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 393.690+/-71.860 χ^2/NDF:811.0/13

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -635.935+/-66.118 χ^2/NDF:1481.9/12

Left: -163.900+/-48.656 χ^2/NDF: 2404.0/26

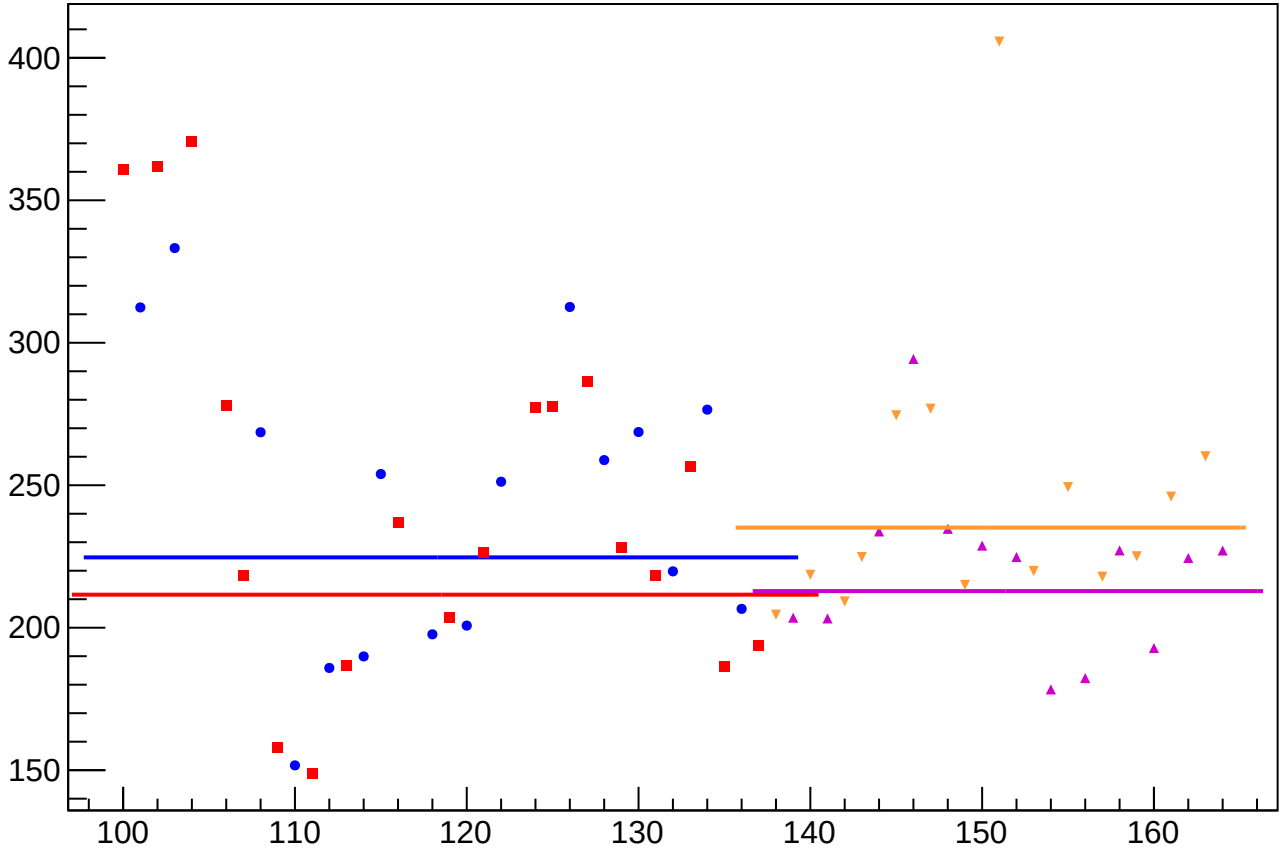
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -578.326+/-52.571 χ^2/NDF:1789.4/28

Out: -213.751+/-53.739 χ^2/NDF:1371.2/32

All: -400.043+/-37.579 χ^2/NDF: 3184.1/61

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.135+/-0.051 χ^2/NDF:472813.8/13

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 212.846+/-0.047 χ^2/NDF:325184.7/12

Left: 223.064+/-0.034 χ^2/NDF: 902194.3/26

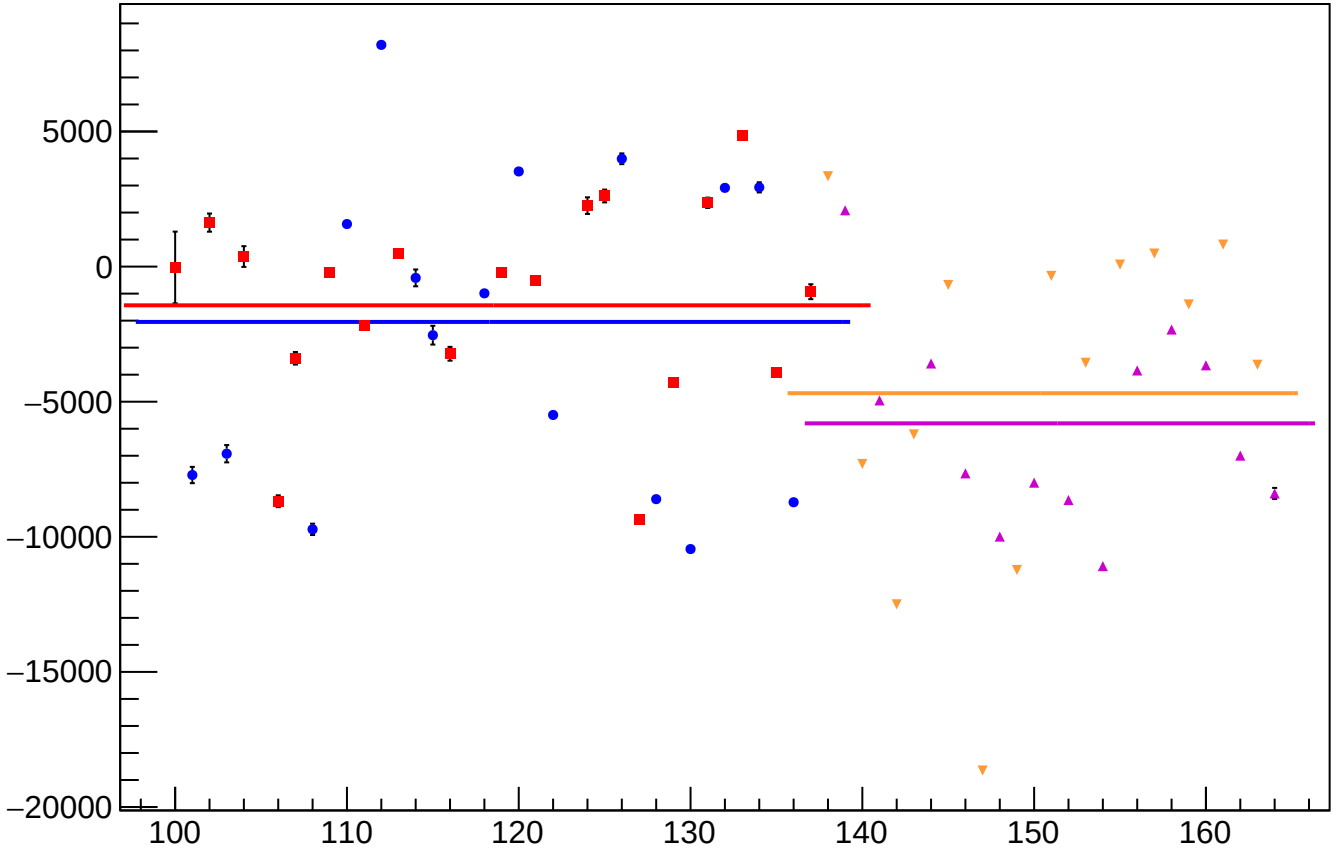
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 217.200+/-0.037 χ^2/NDF:1001953.1/28

Out: 224.759+/-0.038 χ^2/NDF:1500307.2/32

All: 220.896+/-0.027 χ^2/NDF: 2522485.2/61

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4685.314+/-35.988 χ^2/NDF:29694.6/13

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5801.144+/-36.961 χ^2/NDF:9436.1/12

Left: -5228.343+/-25.784 χ^2/NDF: 39598.5/26

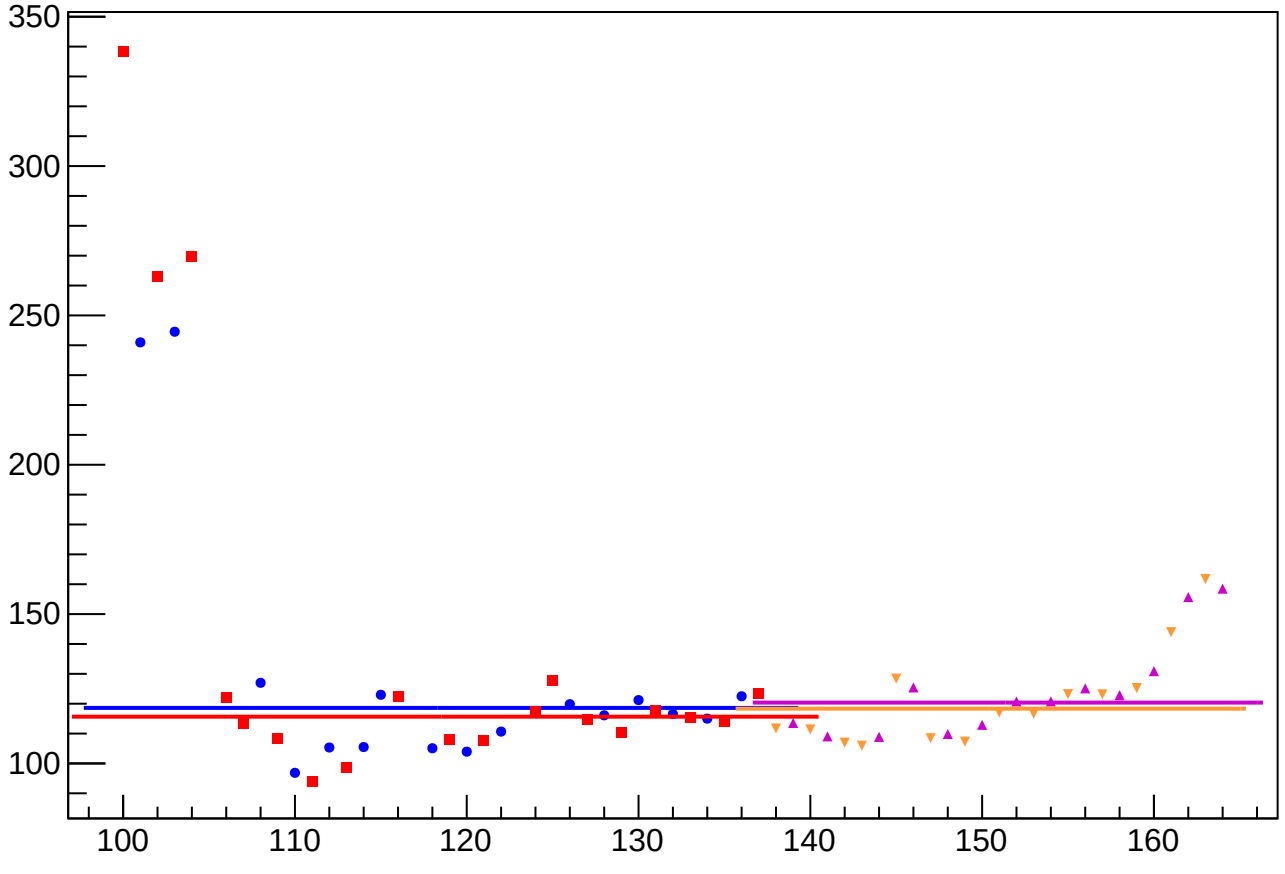
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4356.185+/-28.987 χ^2/NDF:30115.8/28

Out: -3407.257+/-28.039 χ^2/NDF:39292.0/32

All: -3865.945+/-20.153 χ^2/NDF: 69961.4/61

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 118.339+/-0.025 χ^2/NDF:265739.8/13

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 120.373+/-0.026 χ^2/NDF:234975.0/12

Left: 119.329+/-0.018 χ^2/NDF: 503823.4/26

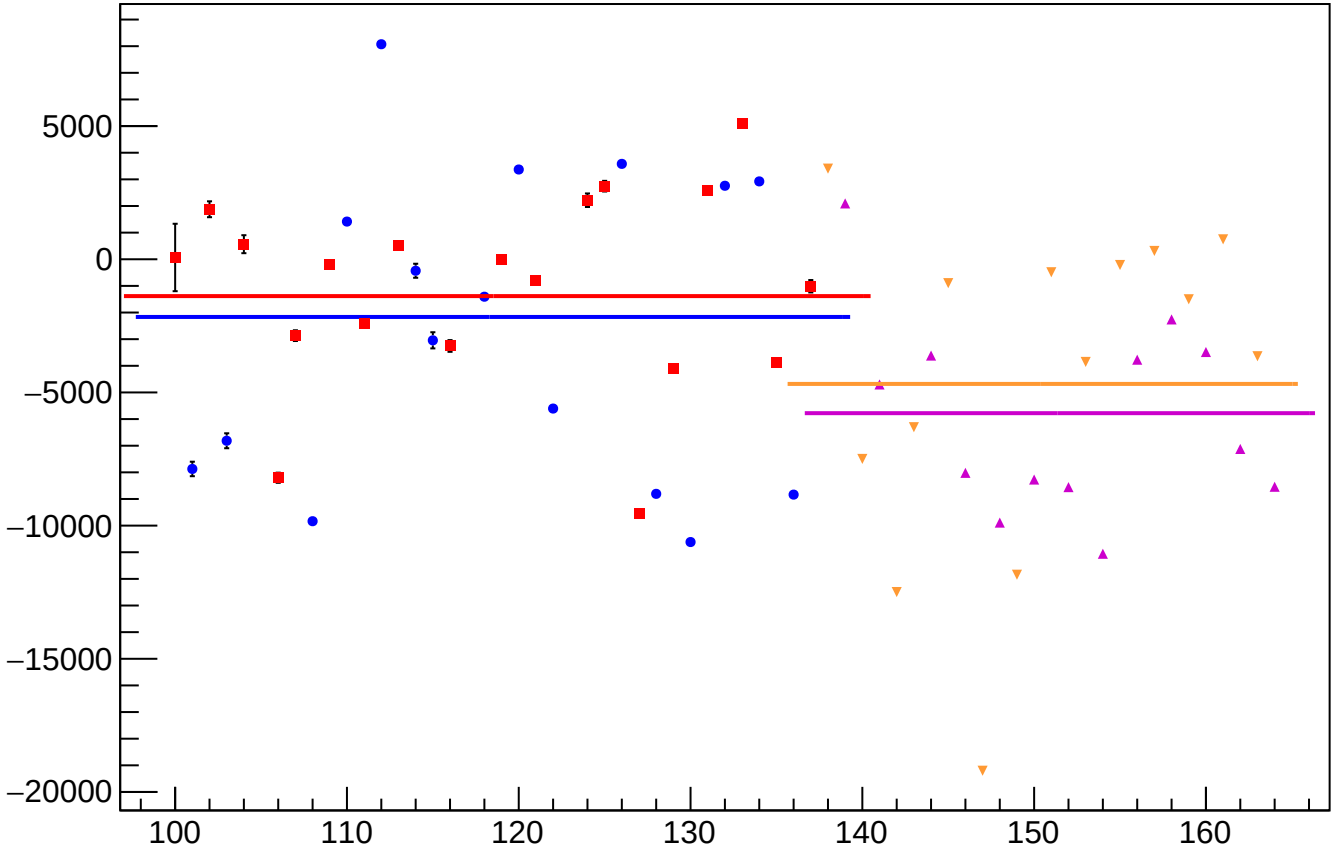
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 119.689+/-0.020 χ^2/NDF:970912.6/28

Out: 117.286+/-0.020 χ^2/NDF:1134301.8/32

All: 118.447+/-0.014 χ^2/NDF: 2112313.3/61

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4680.079+/-32.408 χ^2/NDF:36117.7/13

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -5778.460+/-33.645 χ^2/NDF:11688.9/12

Left: -5208.704+/-23.341 χ^2/NDF: 48359.4/26

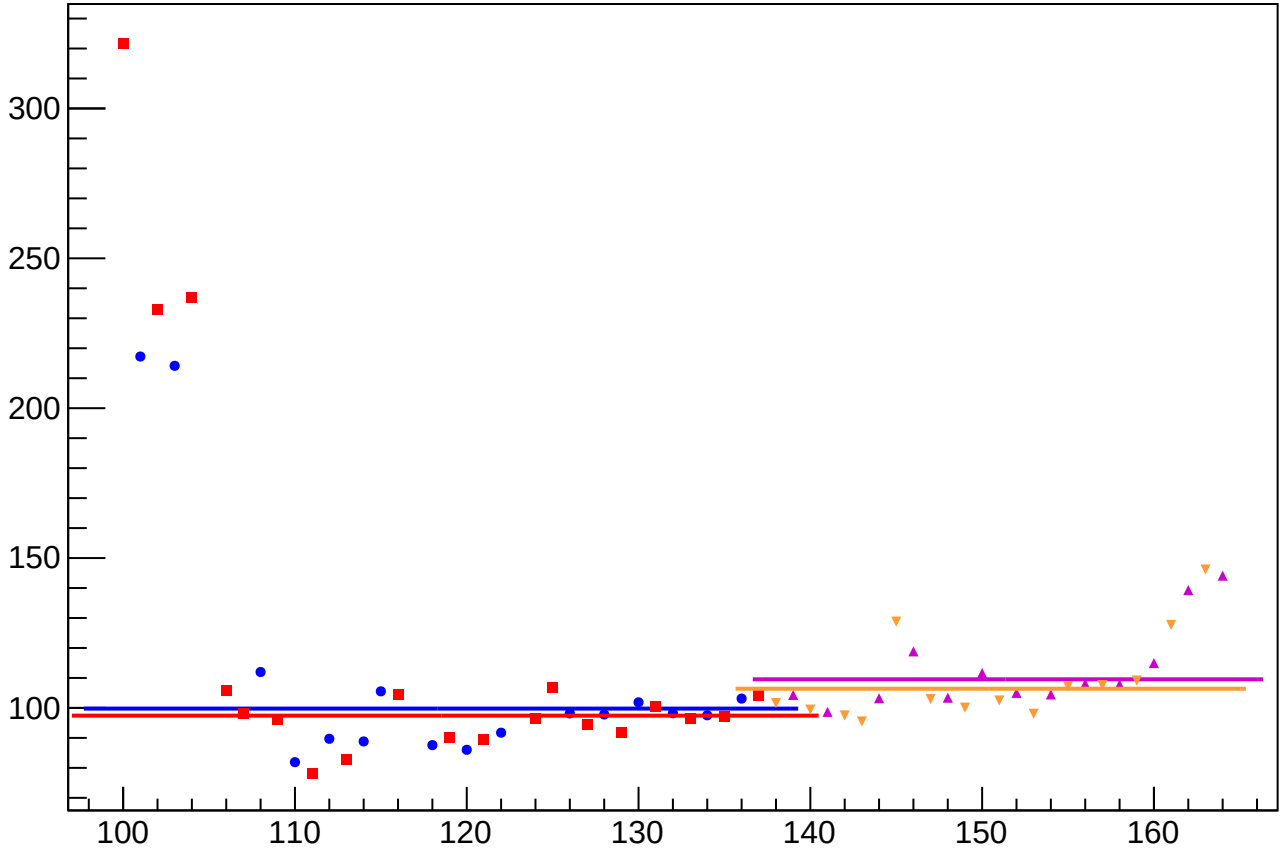
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4265.380+/-25.649 χ^2/NDF:39392.6/28

Out: -3290.797+/-24.652 χ^2/NDF:49627.5/32

All: -3758.773+/-17.773 χ^2/NDF: 89770.6/61

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 106.402+/-0.023 χ^2/NDF:279055.7/13

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 109.549+/-0.024 χ^2/NDF:202328.8/12

Left: 107.917+/-0.017 χ^2/NDF: 490462.5/26

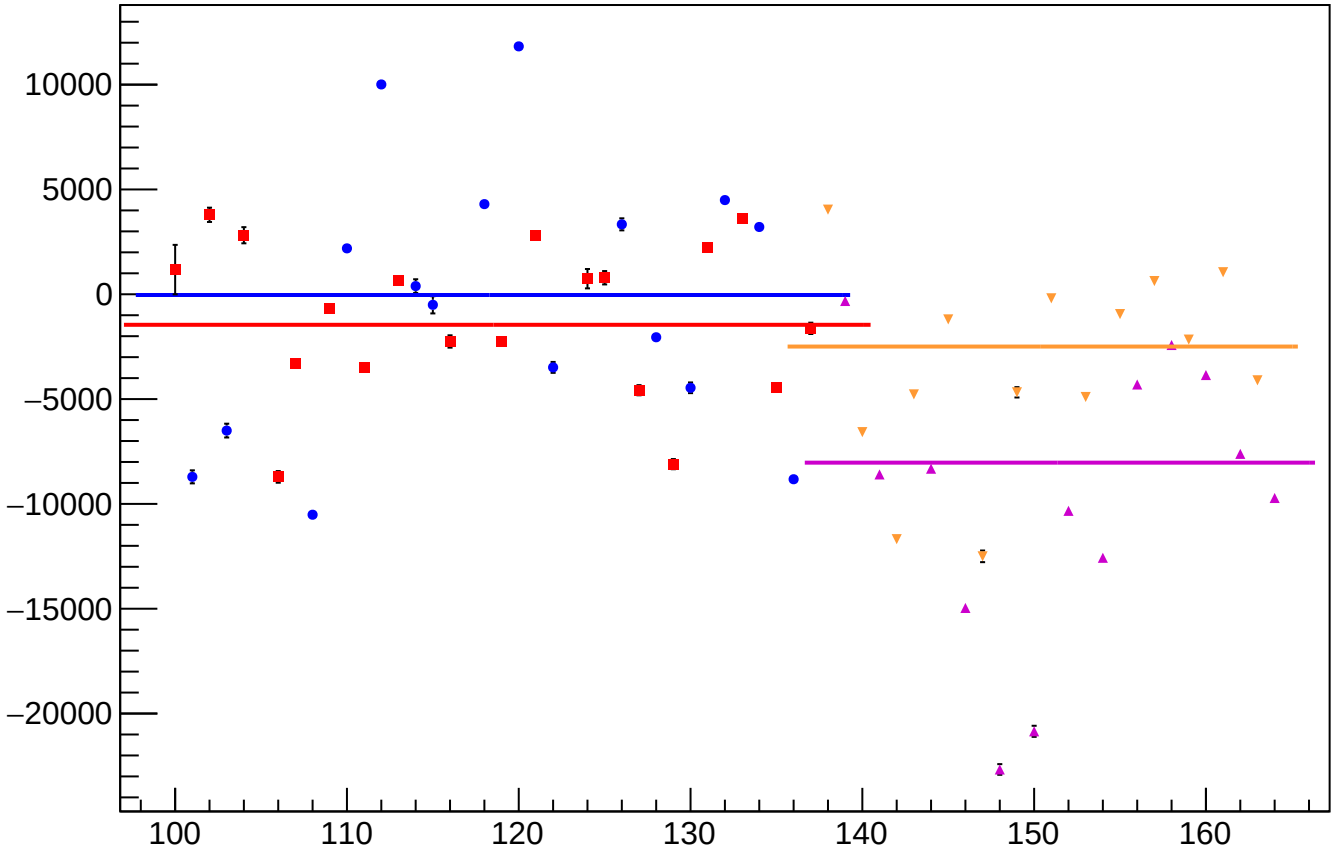
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 105.455+/-0.018 χ^2/NDF:1082184.7/28

Out: 102.620+/-0.017 χ^2/NDF:1269731.8/32

All: 103.982+/-0.013 χ^2/NDF: 2364617.2/61

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2494.160+/-46.783 χ^2/NDF:6981.4/13

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -8032.276+/-48.886 χ^2/NDF:12904.7/12

Left: -5141.525+/-33.800 χ^2/NDF: 26584.9/26

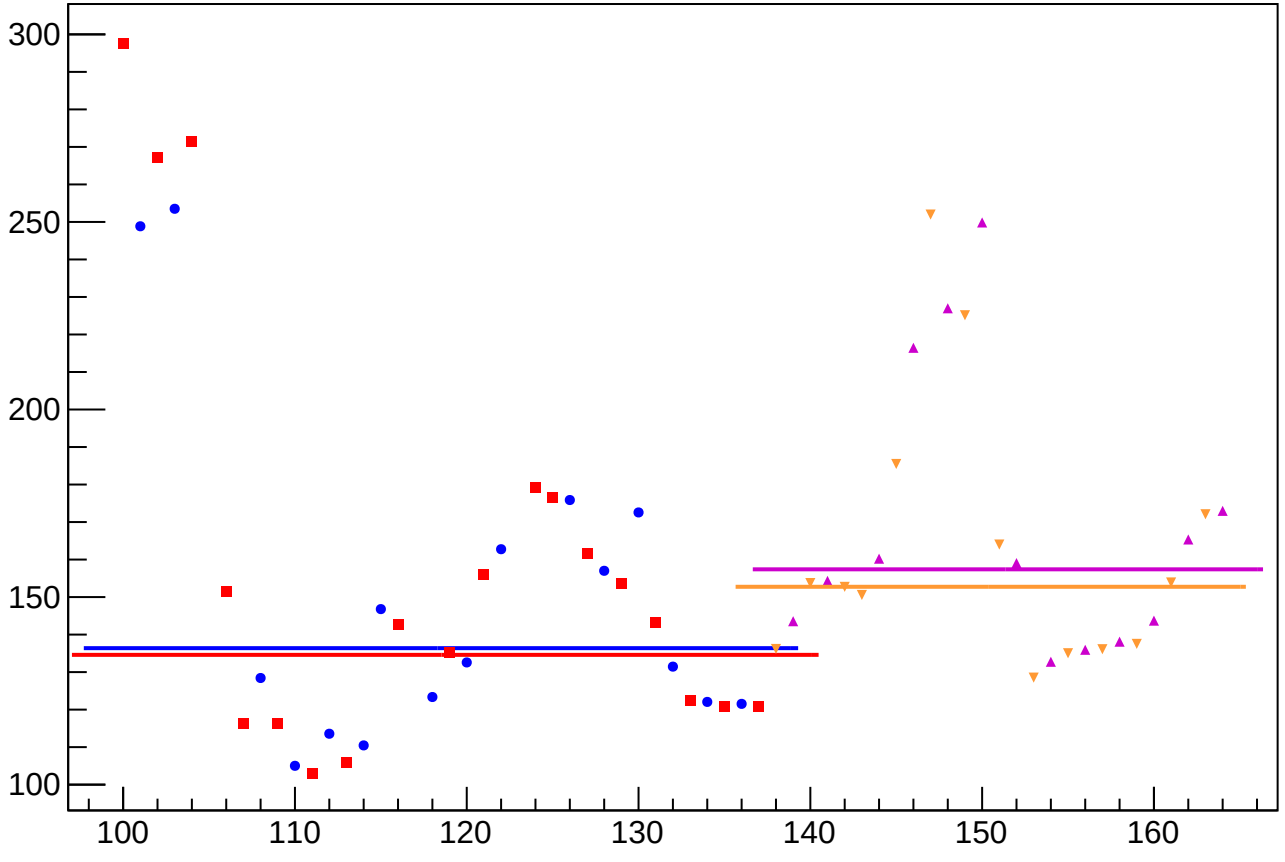
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4390.549+/-36.078 χ^2/NDF:41894.3/28

Out: -2029.516+/-34.763 χ^2/NDF:11318.7/32

All: -3166.212+/-25.033 χ^2/NDF: 55433.8/61

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 152.745+/-0.033 χ^2/NDF:659708.7/13

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 157.397+/-0.035 χ^2/NDF:706032.7/12

Left: 154.968+/-0.024 χ^2/NDF: 1375195.5/26

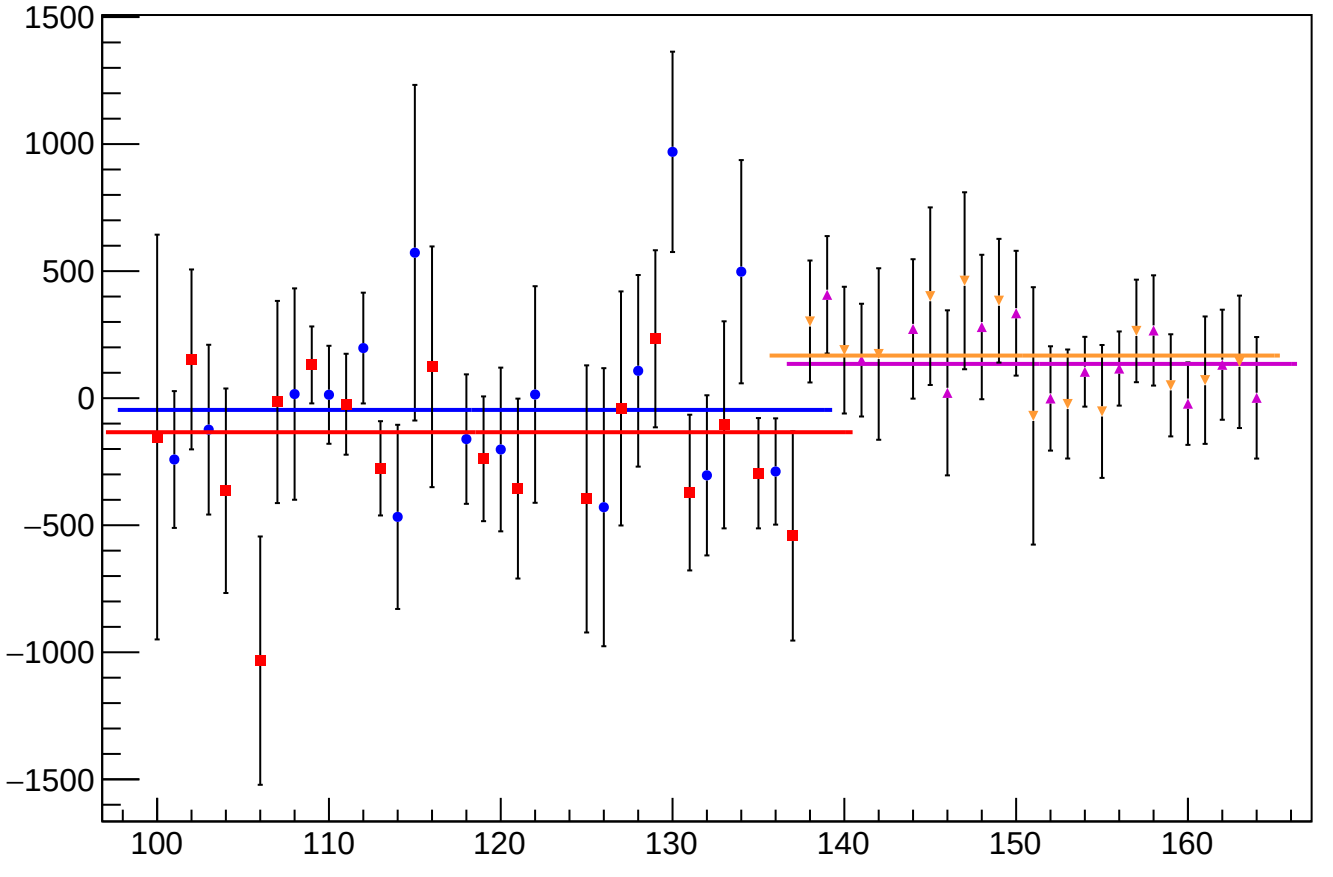
Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 147.828+/-0.026 χ^2/NDF:1671154.7/28

Out: 144.618+/-0.025 χ^2/NDF:1714072.4/32

All: 146.163+/-0.018 χ^2/NDF: 3393439.7/61

asym_bcm_2an_us_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 167.746+/-71.477 χ^2/NDF:4.7/12

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 134.889+/-56.573 χ^2/NDF:4.8/12

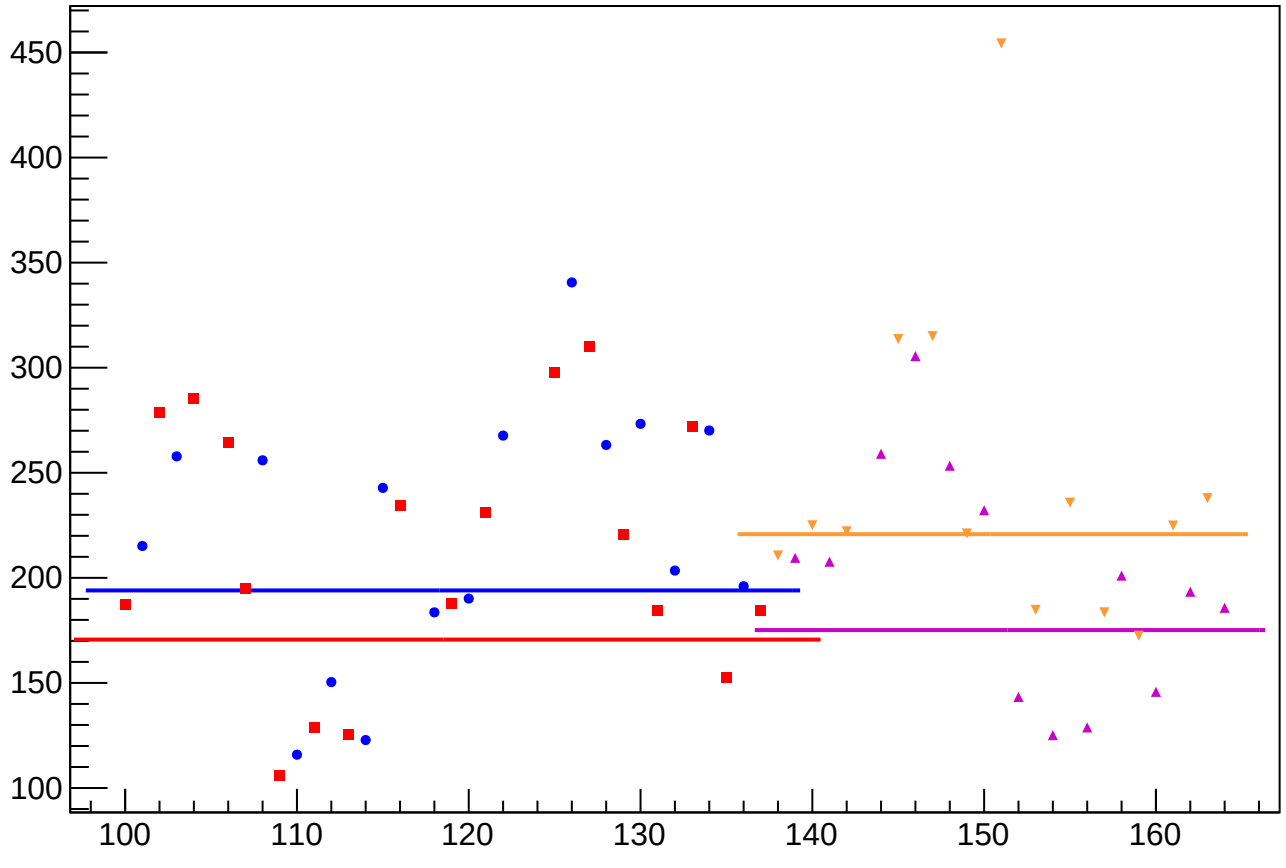
Left: 147.545+/-44.360 χ^2/NDF: 9.6/25

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 70.632+/-45.440 χ^2/NDF:23.9/28

Out: 10.313+/-49.423 χ^2/NDF:26.8/30

All: 43.001+/-33.451 χ^2/NDF: 51.5/59



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 220.795+/-0.051 χ^2/NDF:972498.0/12

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 175.156+/-0.040 χ^2/NDF:1482254.2/12

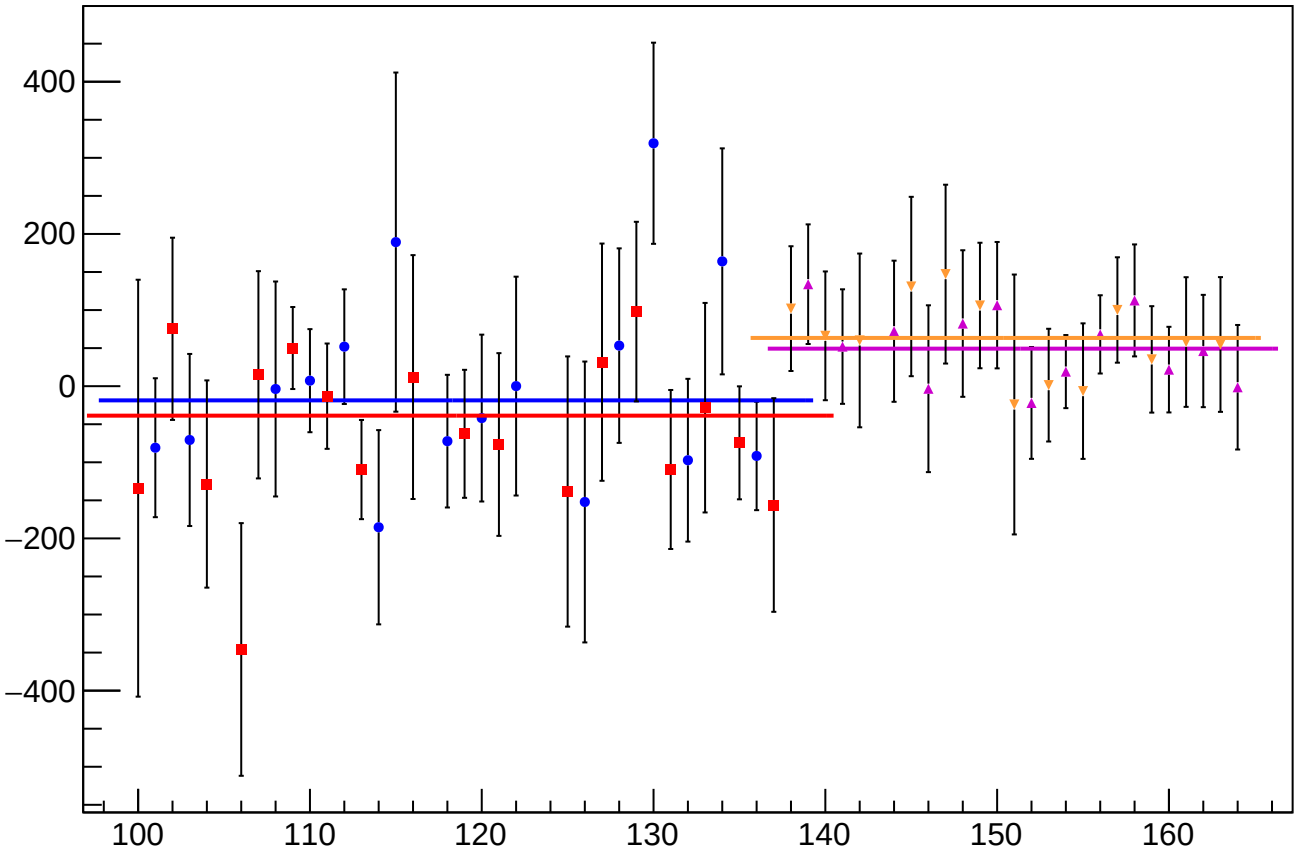
Left: 192.734+/-0.031 χ^2/NDF: 2956067.4/25

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 181.849+/-0.032 χ^2/NDF:2604719.7/28

Out: 194.611+/-0.035 χ^2/NDF:3080487.7/30

All: 187.695+/-0.024 χ^2/NDF: 5757472.5/59



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 63.389+/-24.409 χ^2/NDF:3.4/12

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 49.307+/-19.528 χ^2/NDF:4.9/12

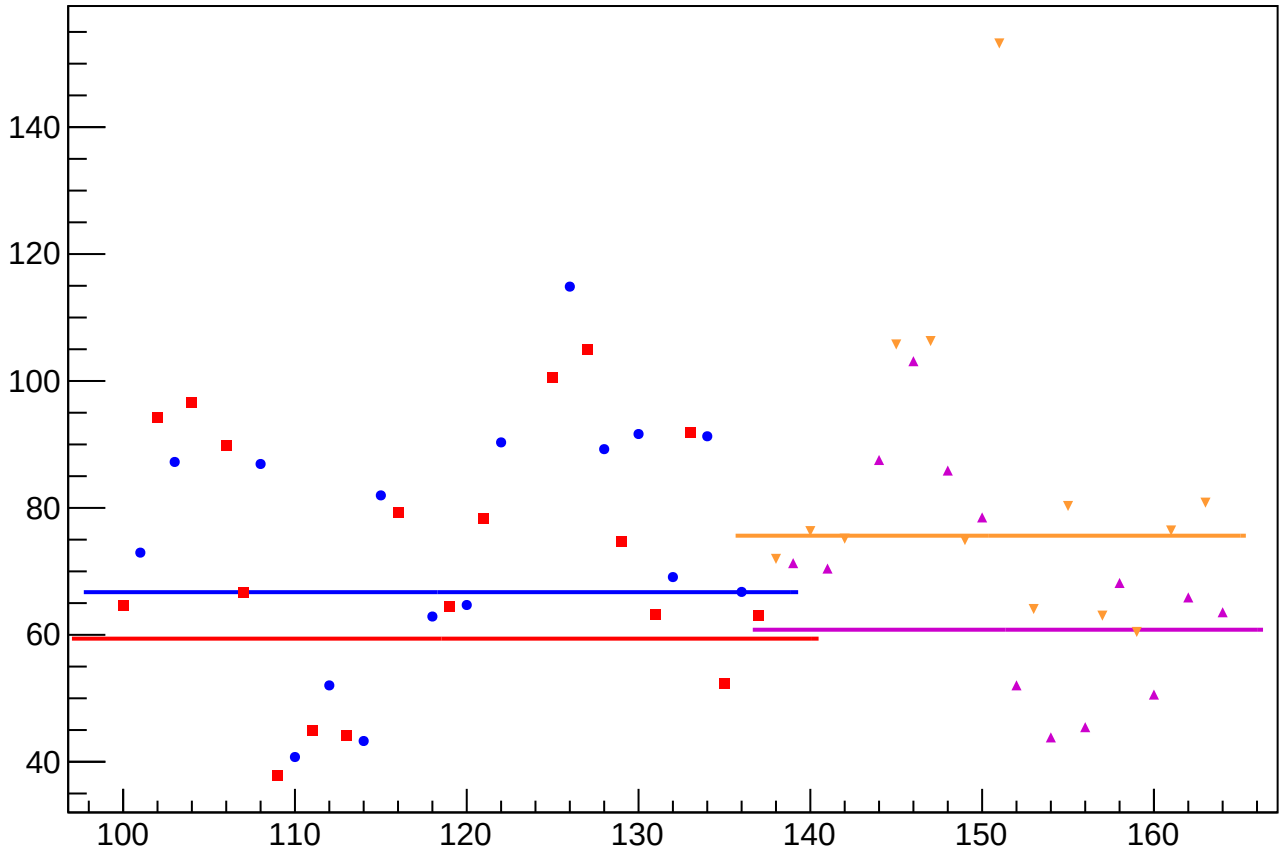
Left: 54.803+/-15.249 χ^2/NDF: 8.4/25

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 24.947+/-15.641 χ^2/NDF:24.4/28

Out: 10.729+/-16.986 χ^2/NDF:25.0/30

All: 18.423+/-11.506 χ^2/NDF: 49.8/59



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 75.622+/-0.017 χ^2/NDF:905889.9/12

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 60.806+/-0.014 χ^2/NDF:1313881.6/12

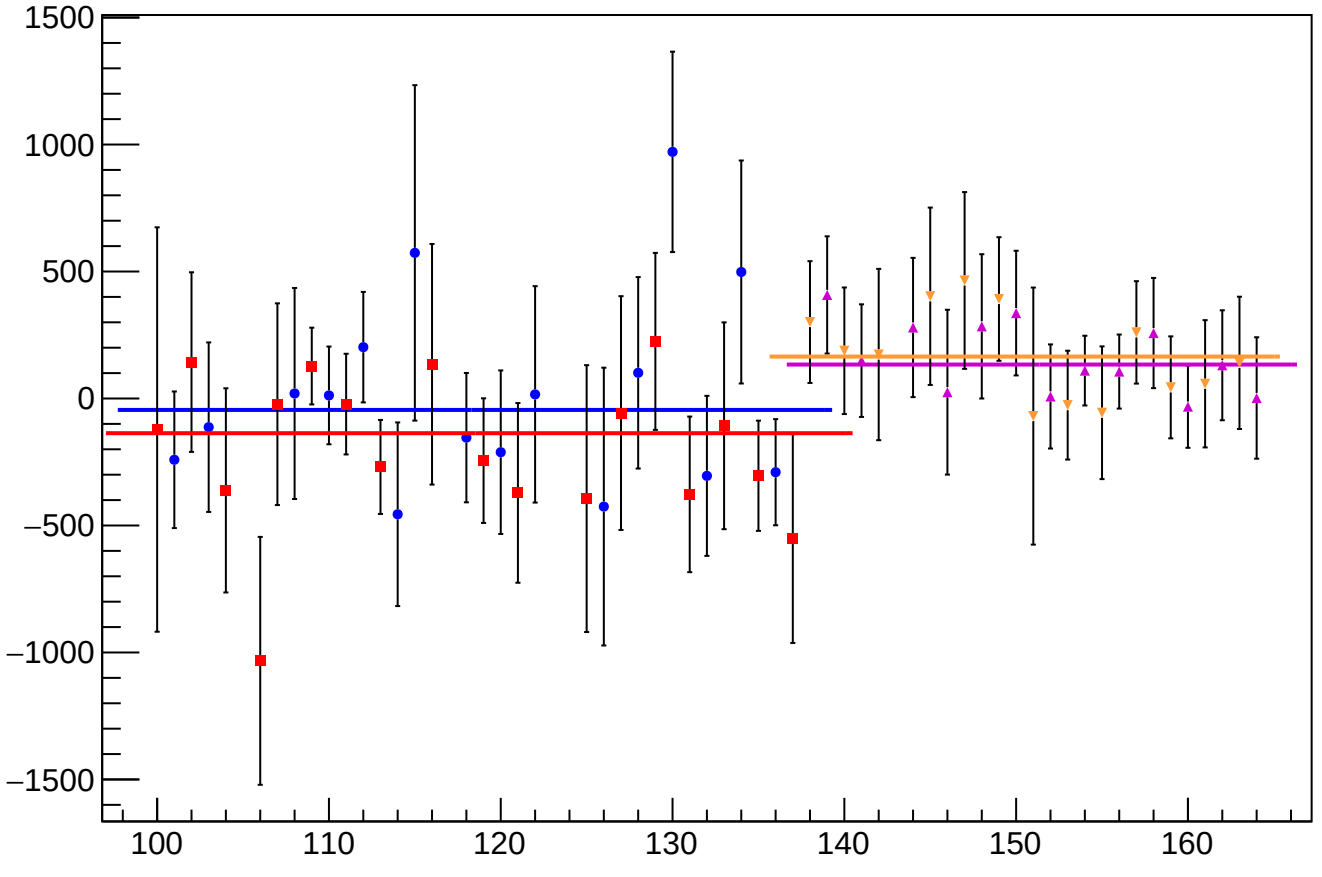
Left: 66.589+/-0.011 χ^2/NDF: 2669087.4/25

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 62.928+/-0.011 χ^2/NDF:2326772.9/28

Out: 67.256+/-0.012 χ^2/NDF:2806856.1/30

All: 64.914+/-0.008 χ^2/NDF: 5203903.5/59



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 165.106+/-71.417 χ^2/NDF:4.9/12

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 133.698+/-56.524 χ^2/NDF:4.9/12

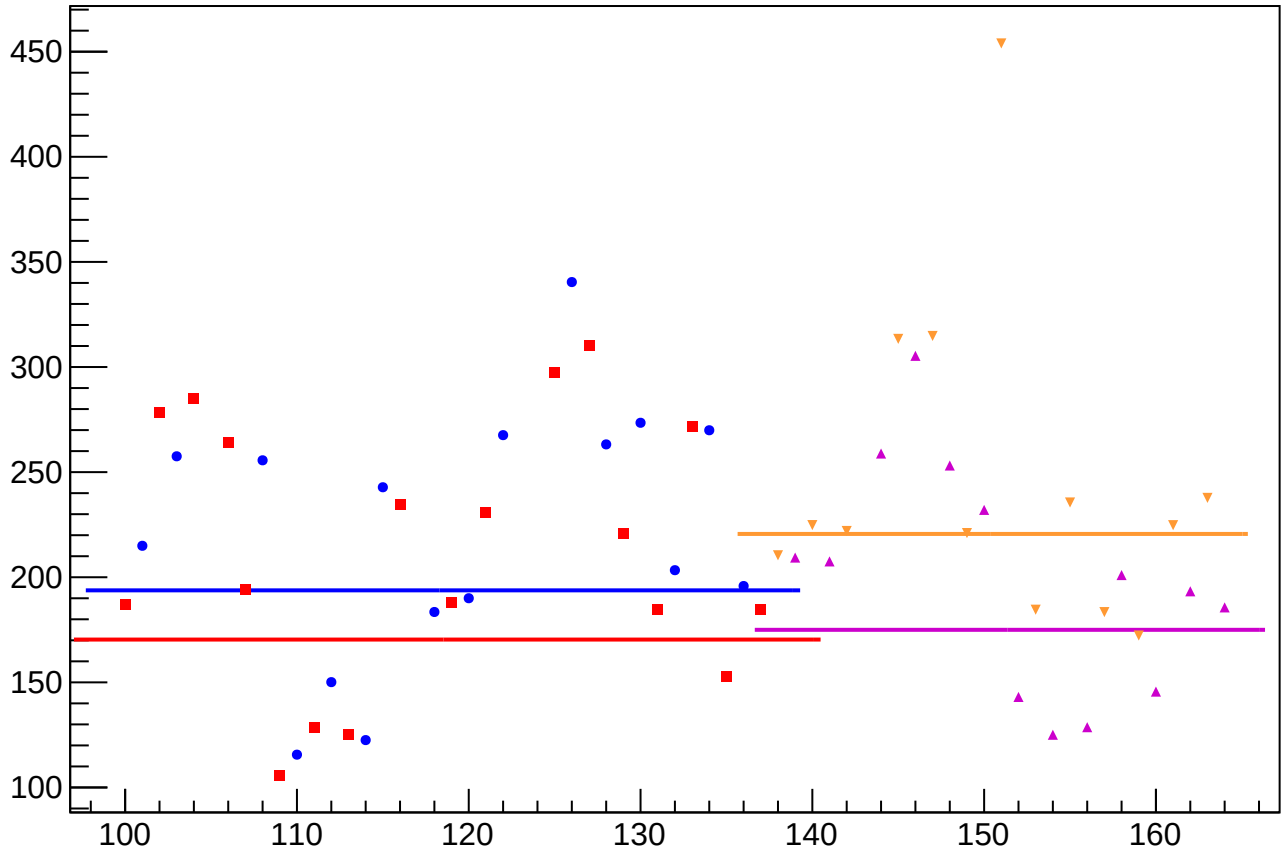
Left: 145.794+/-44.322 χ^2/NDF: 9.9/25

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 70.299+/-45.397 χ^2/NDF:23.9/28

Out: 7.586+/-49.369 χ^2/NDF:27.1/30

All: 41.566+/-33.417 χ^2/NDF: 51.9/59



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 220.601+/-0.050 χ^2/NDF:973242.3/12

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 174.992+/-0.040 χ^2/NDF:1484400.4/12

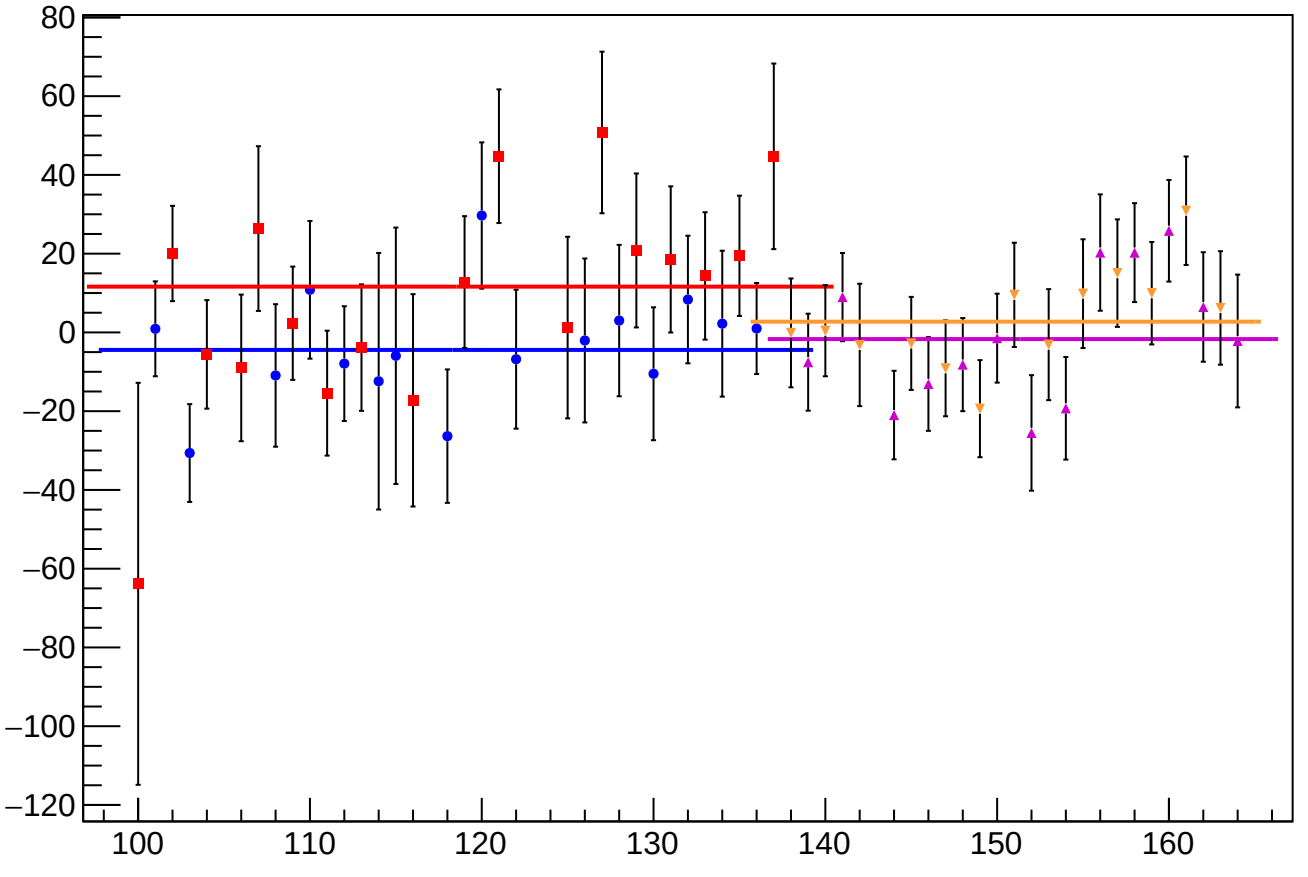
Left: 192.558+/-0.031 χ^2/NDF: 2959187.4/25

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 181.656+/-0.032 χ^2/NDF:2610829.2/28

Out: 194.367+/-0.035 χ^2/NDF:3089123.9/30

All: 187.480+/-0.024 χ^2/NDF: 5771792.2/59



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.727+/-3.660 χ^2/NDF:10.7/12

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -1.694+/-3.521 χ^2/NDF:19.9/12

Left: 0.431+/-2.537 χ^2/NDF: 31.3/25

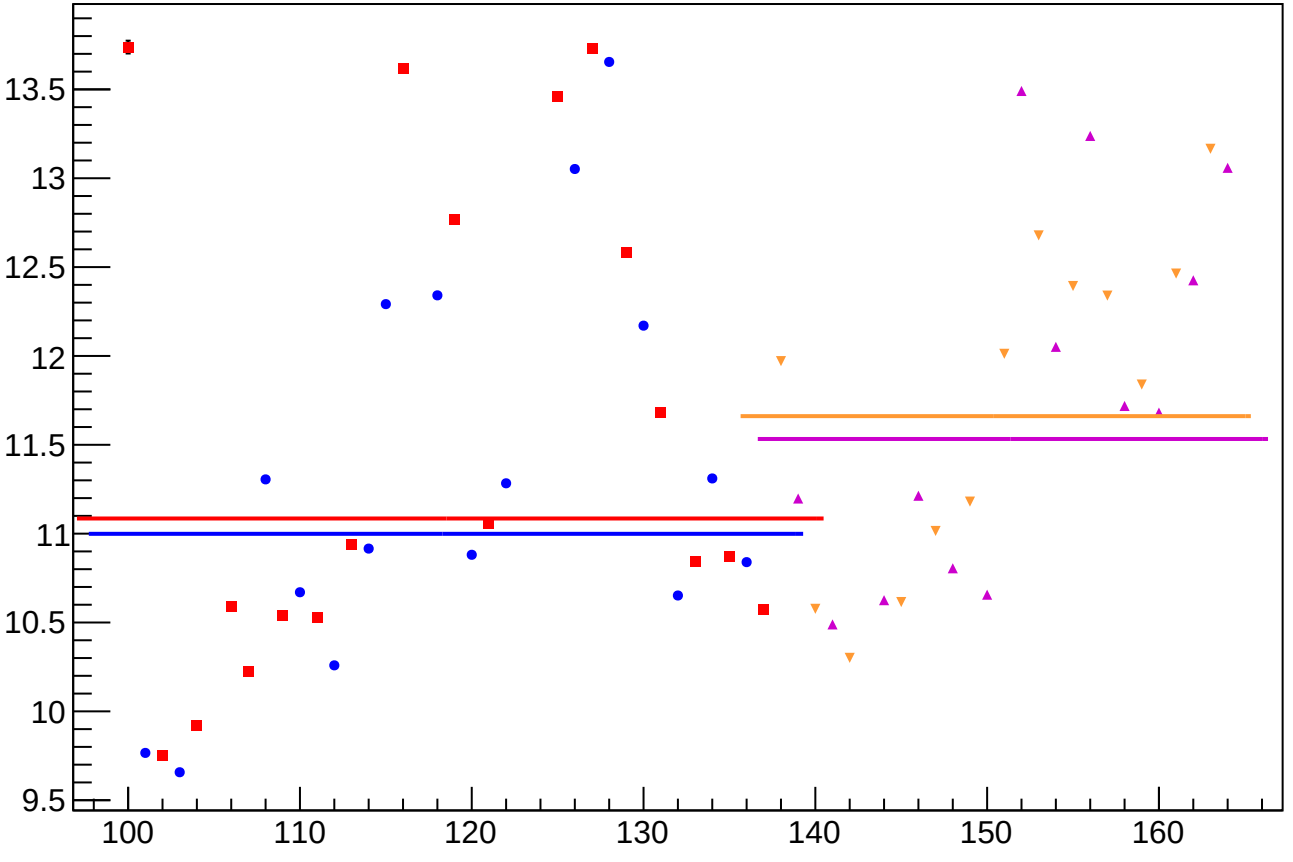
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -2.849+/-2.679 χ^2/NDF:32.2/28

Out: 6.635+/-2.741 χ^2/NDF:34.9/30

All: 1.785+/-1.916 χ^2/NDF: 73.2/59

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: 11.661+/-0.003 χ^2/NDF:109544.5/12

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.533+/-0.002 χ^2/NDF:143719.9/12

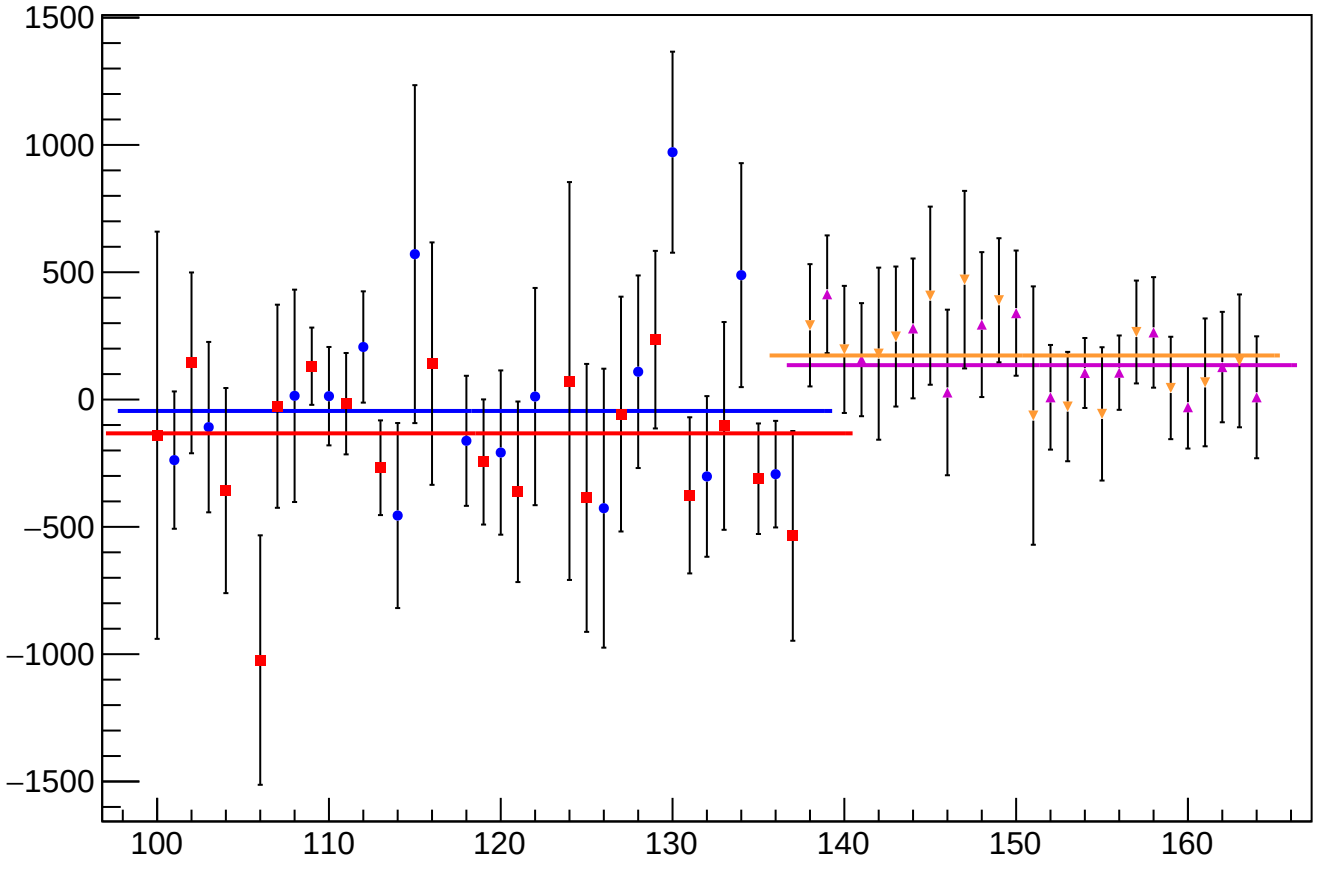
Left: 11.595+/-0.002 χ^2/NDF: 254545.2/25

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.308+/-0.002 χ^2/NDF:299217.9/28

Out: 11.408+/-0.002 χ^2/NDF:293497.7/30

All: 11.357+/-0.001 χ^2/NDF: 594081.9/59



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 173.141+/-69.240 χ^2/NDF:5.0/13

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 135.082+/-56.613 χ^2/NDF:5.0/12

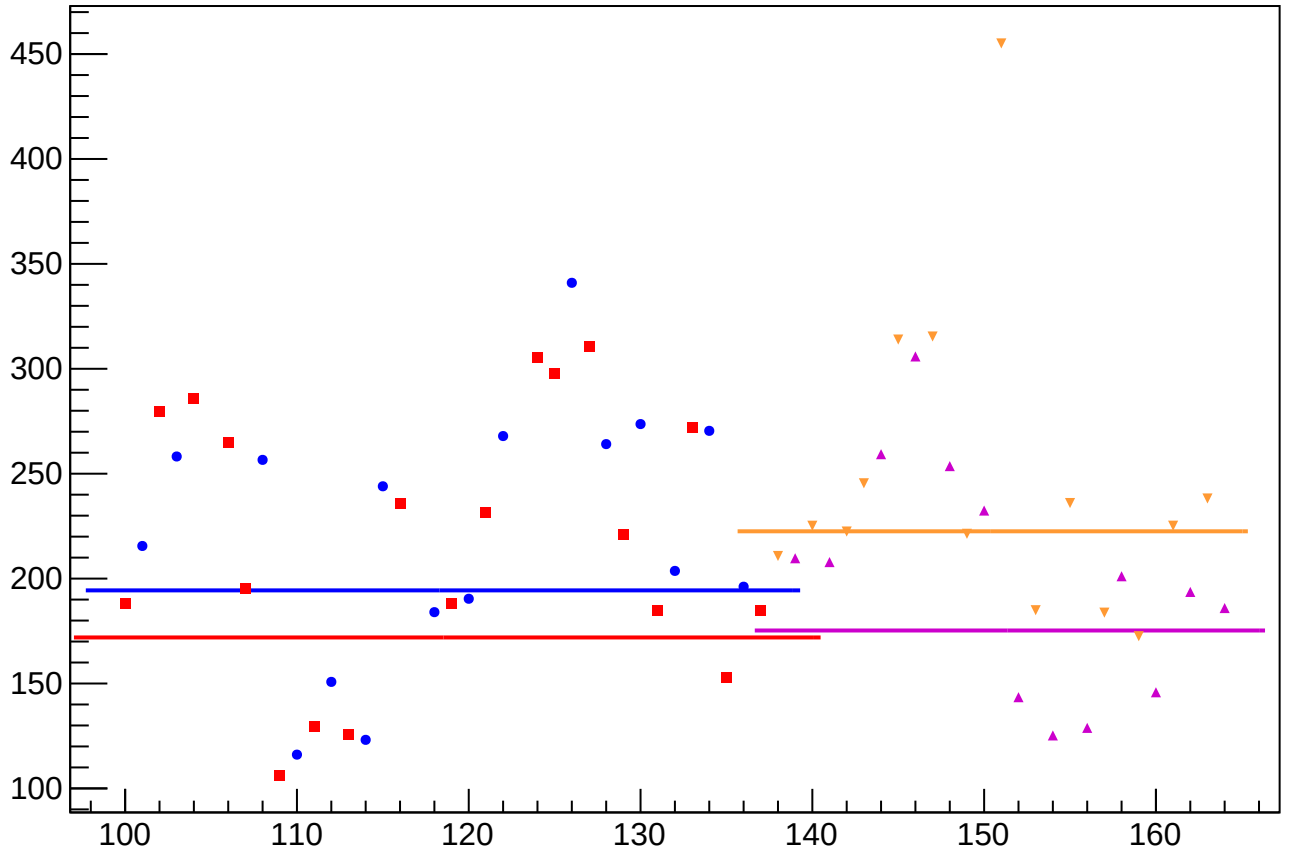
Left: 150.331+/-43.828 χ^2/NDF: 10.1/26

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 71.346+/-45.491 χ^2/NDF:24.0/28

Out: 18.047+/-48.613 χ^2/NDF:27.7/32

All: 46.463+/-33.216 χ^2/NDF: 52.3/61



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 222.543+/-0.049 χ^2/NDF:988792.0/13

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 175.267+/-0.040 χ^2/NDF:1484496.3/12

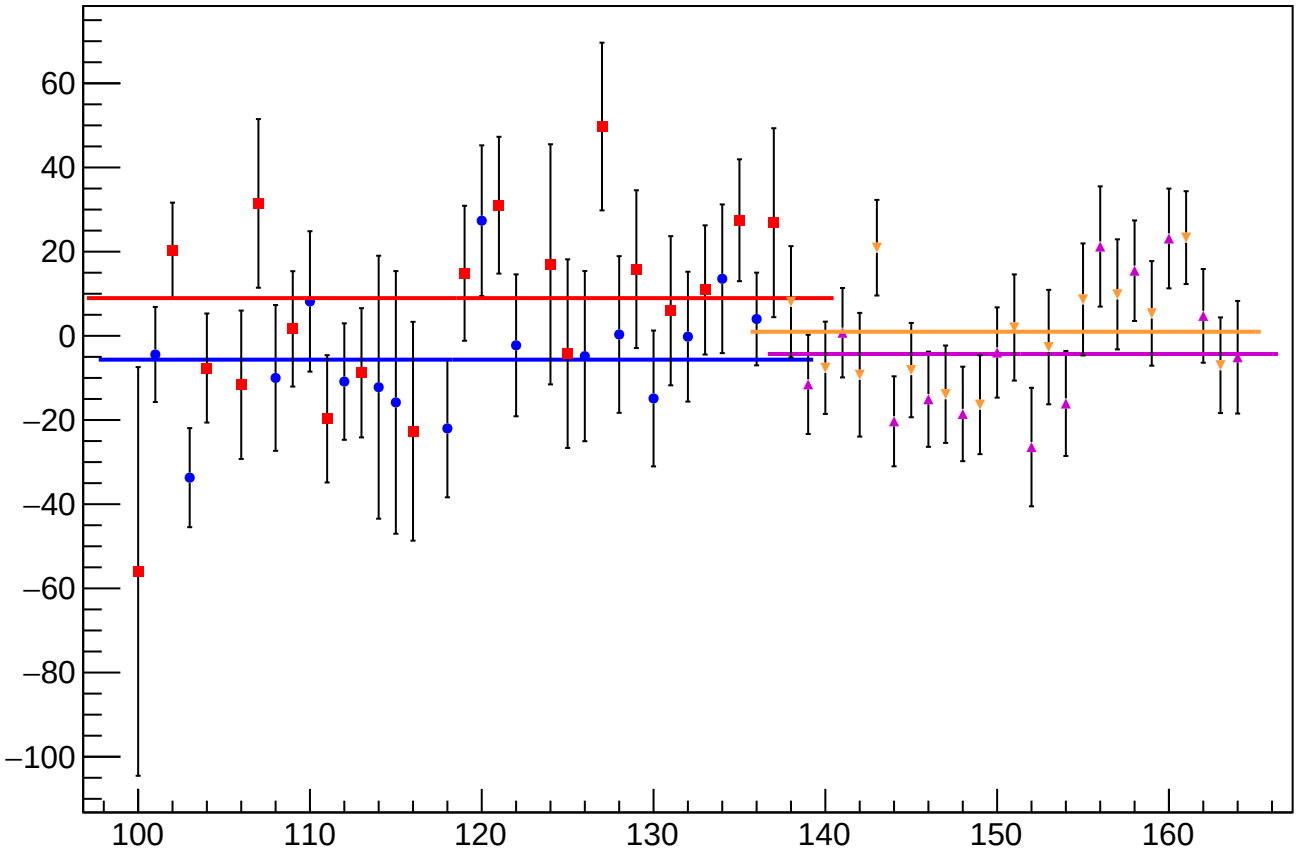
Left: 194.209+/-0.031 χ^2/NDF: 3032079.8/26

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.041+/-0.032 χ^2/NDF:2607330.6/28

Out: 196.889+/-0.034 χ^2/NDF:3181597.4/32

All: 188.973+/-0.023 χ^2/NDF: 5888392.4/61



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.977+/-3.249 χ^2/NDF:14.5/13

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -4.312+/-3.272 χ^2/NDF:20.7/12

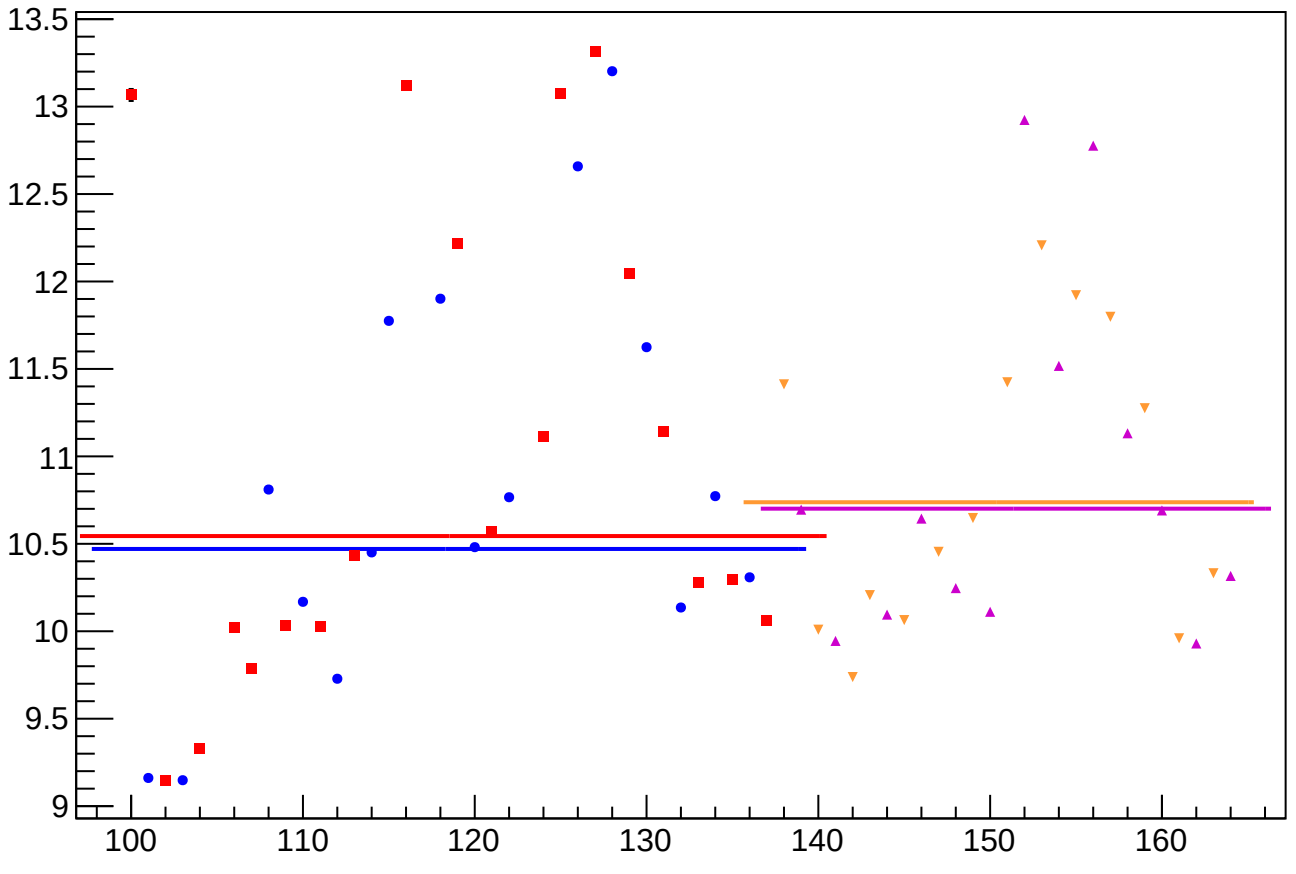
Left: -1.649+/-2.306 χ^2/NDF: 36.5/26

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.861+/-2.517 χ^2/NDF:34.4/28

Out: 4.247+/-2.497 χ^2/NDF:39.8/32

All: -0.270+/-1.773 χ^2/NDF: 80.8/61



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.738+/-0.002 χ^2/NDF:110682.5/13

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.701+/-0.002 χ^2/NDF:140413.5/12

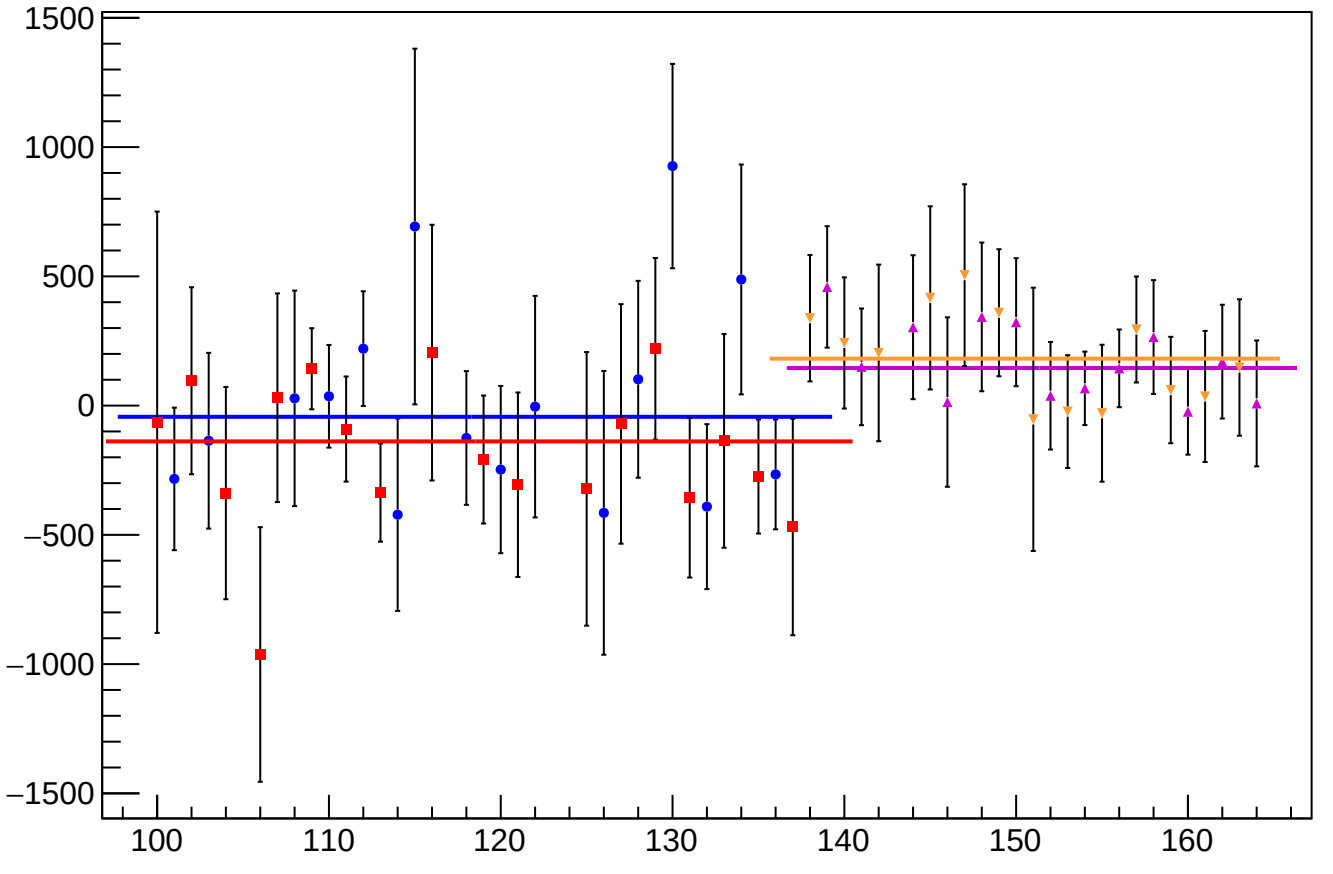
Left: 10.719+/-0.002 χ^2/NDF: 251223.5/26

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.607+/-0.002 χ^2/NDF:301826.1/28

Out: 10.659+/-0.002 χ^2/NDF:300364.7/32

All: 10.633+/-0.001 χ^2/NDF: 602615.0/61



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 181.675+/-72.574 χ^2/NDF:5.0/12

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 145.392+/-57.781 χ^2/NDF:5.5/12

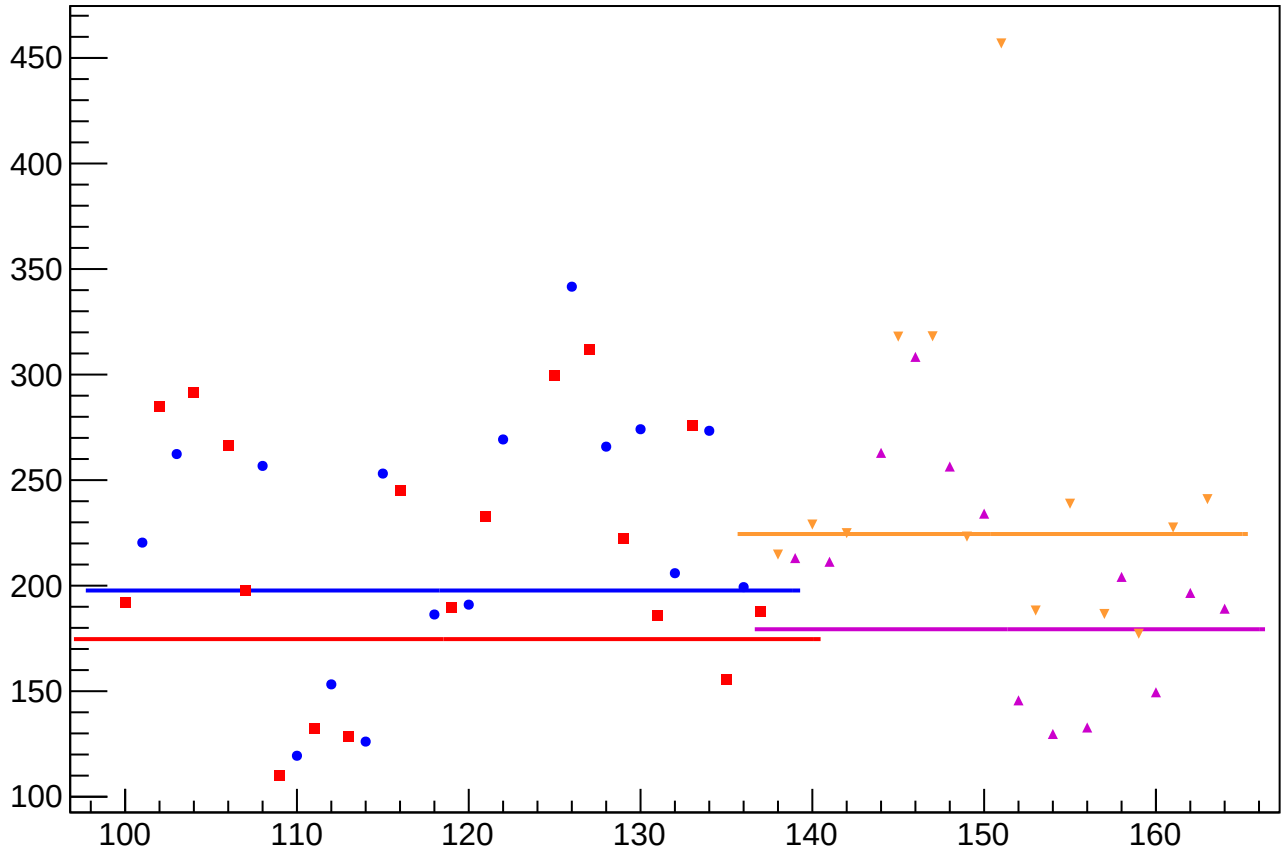
Left: 159.469+/-45.204 χ^2/NDF: 10.6/25

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 78.043+/-46.341 χ^2/NDF:24.7/28

Out: 15.451+/-50.320 χ^2/NDF:26.6/30

All: 49.319+/-34.088 χ^2/NDF: 52.2/59



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 224.470+/-0.051 χ^2/NDF:944538.0/12

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 179.352+/-0.041 χ^2/NDF:1406319.4/12

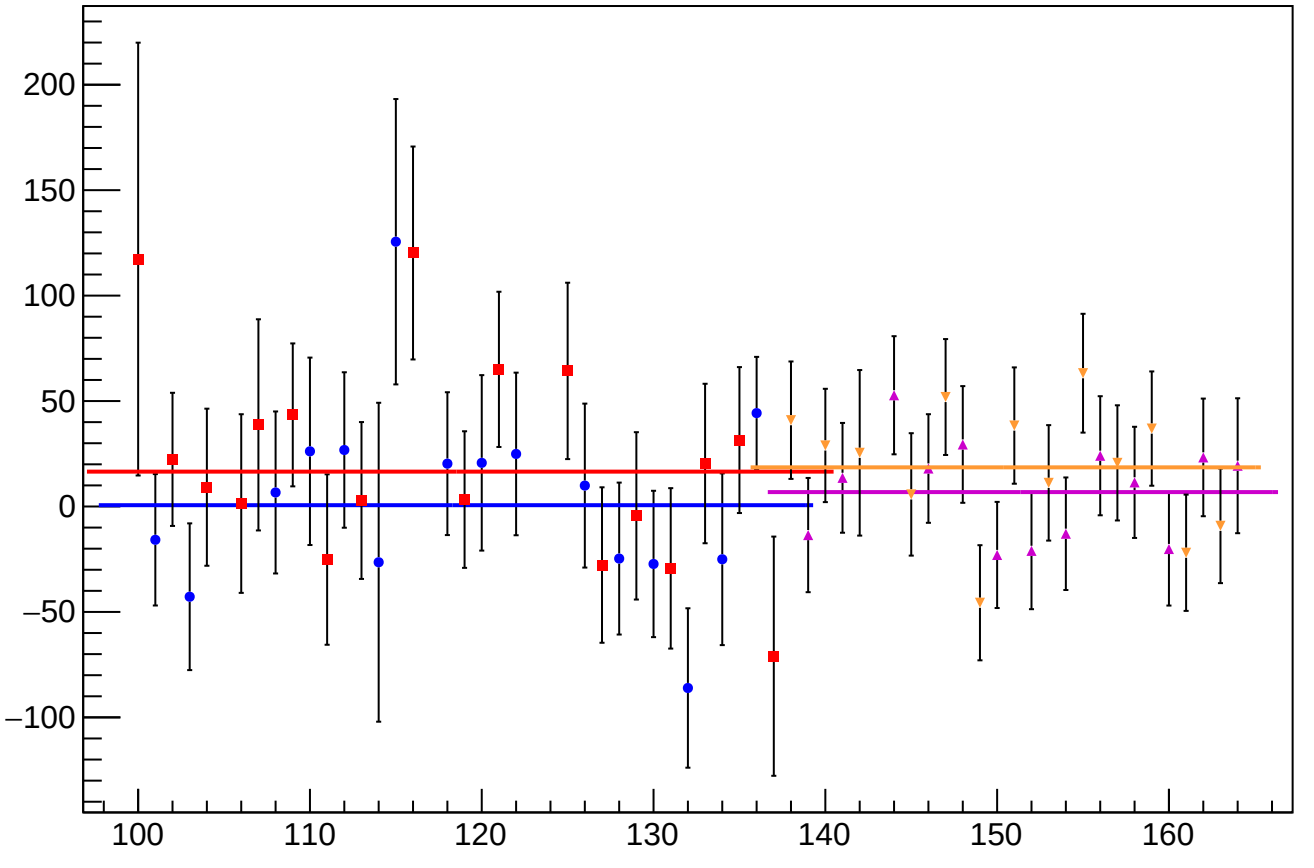
Left: 196.856+/-0.032 χ^2/NDF: 2823950.9/25

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 185.900+/-0.033 χ^2/NDF:2478653.6/28

Out: 198.616+/-0.036 χ^2/NDF:2968090.2/30

All: 191.736+/-0.024 χ^2/NDF: 5515848.9/59



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 18.563+/-7.795 χ^2/NDF:14.8/12

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 6.830+/-7.545 χ^2/NDF:9.1/12

Left: 12.506+/-5.421 χ^2/NDF: 25.0/25

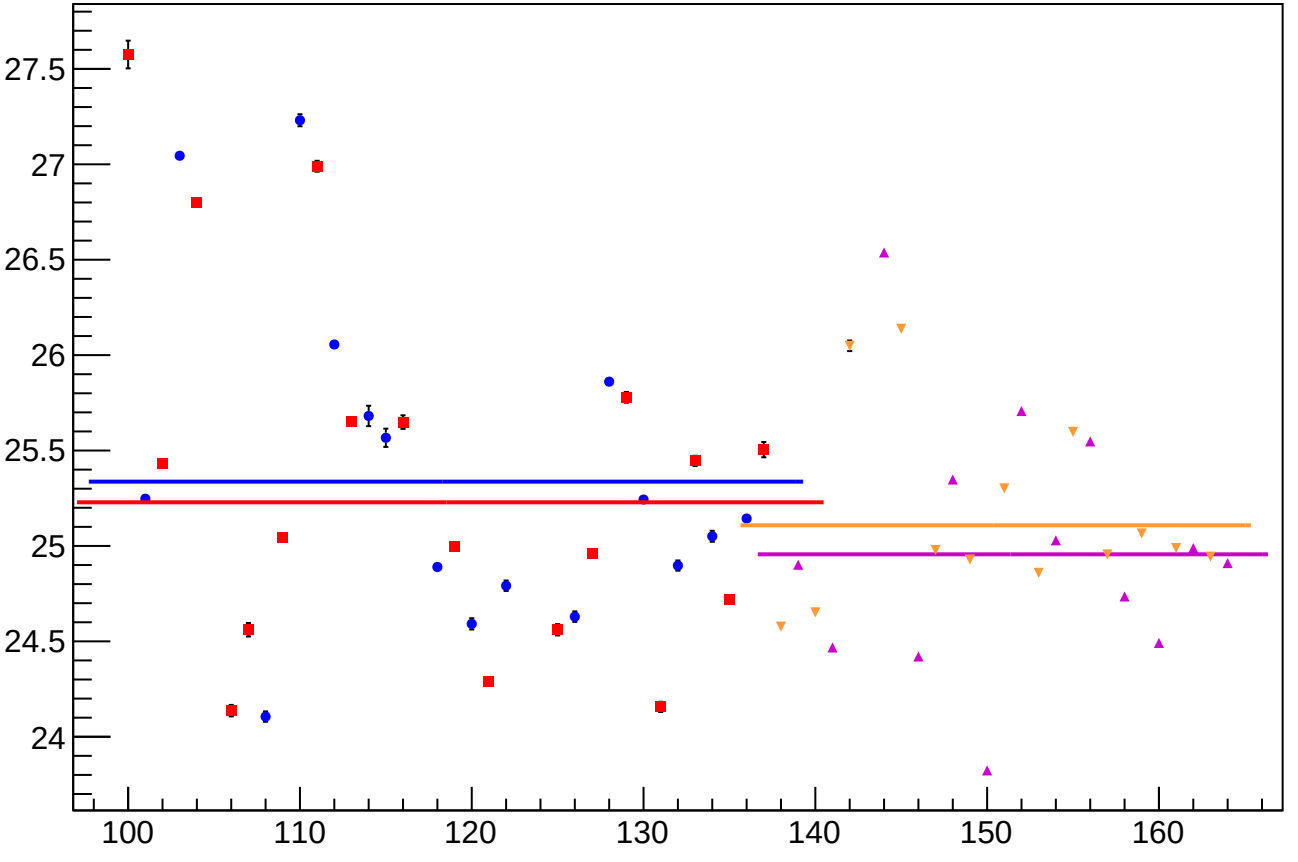
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 4.403+/-5.889 χ^2/NDF:26.1/28

Out: 17.726+/-5.976 χ^2/NDF:31.2/30

All: 10.968+/-4.195 χ^2/NDF: 59.8/59

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.108+/-0.006 χ^2/NDF:6147.7/12

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.956+/-0.005 χ^2/NDF:15522.5/12

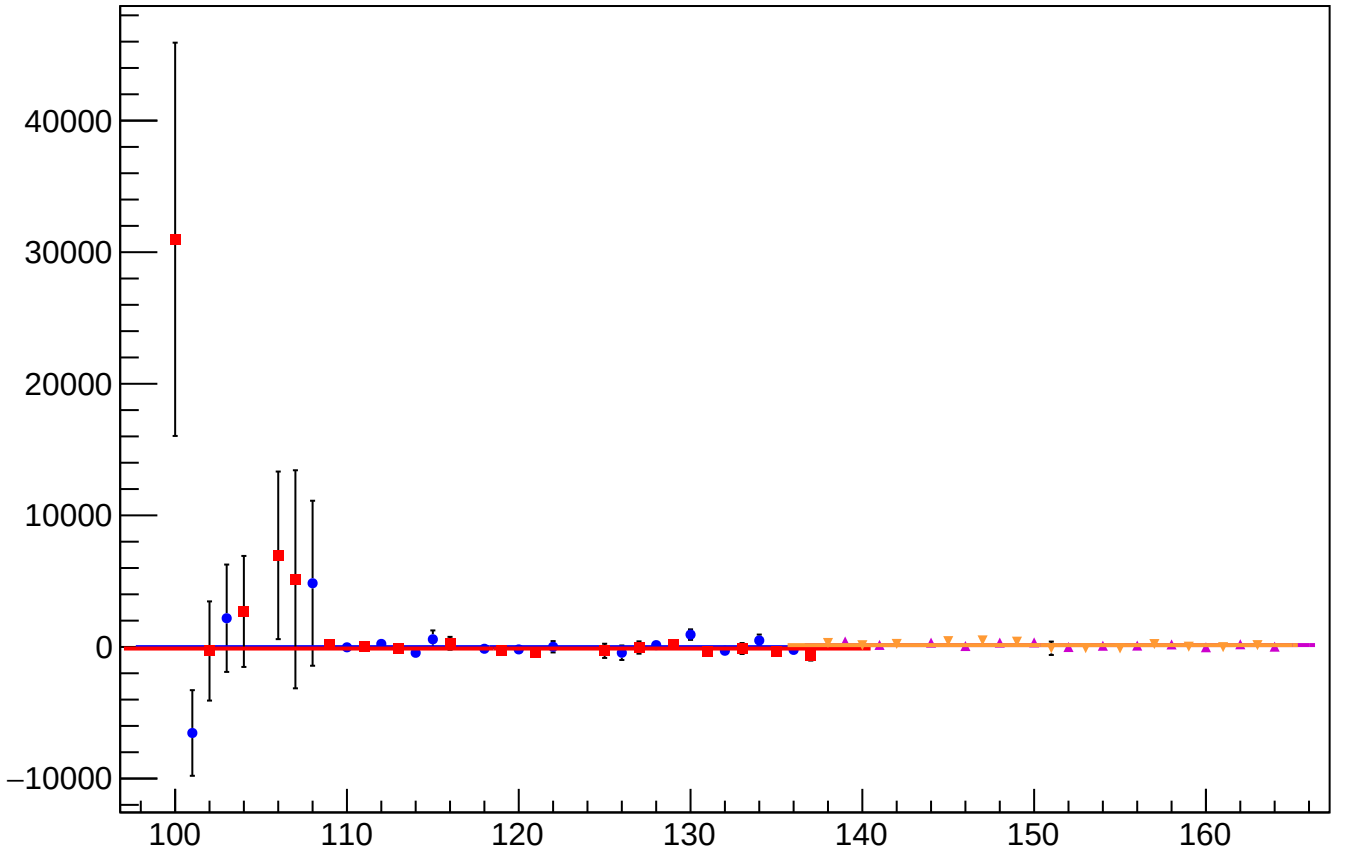
Left: 25.030+/-0.004 χ^2/NDF: 22063.3/25

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.105+/-0.004 χ^2/NDF:31829.2/28

Out: 25.158+/-0.004 χ^2/NDF:21521.1/30

All: 25.131+/-0.003 χ^2/NDF: 53430.0/59



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 139.445+/-73.458 χ^2/NDF:6.2/12

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 143.882+/-58.602 χ^2/NDF:4.8/12

Left: 142.156+/-45.811 χ^2/NDF: 11.1/25

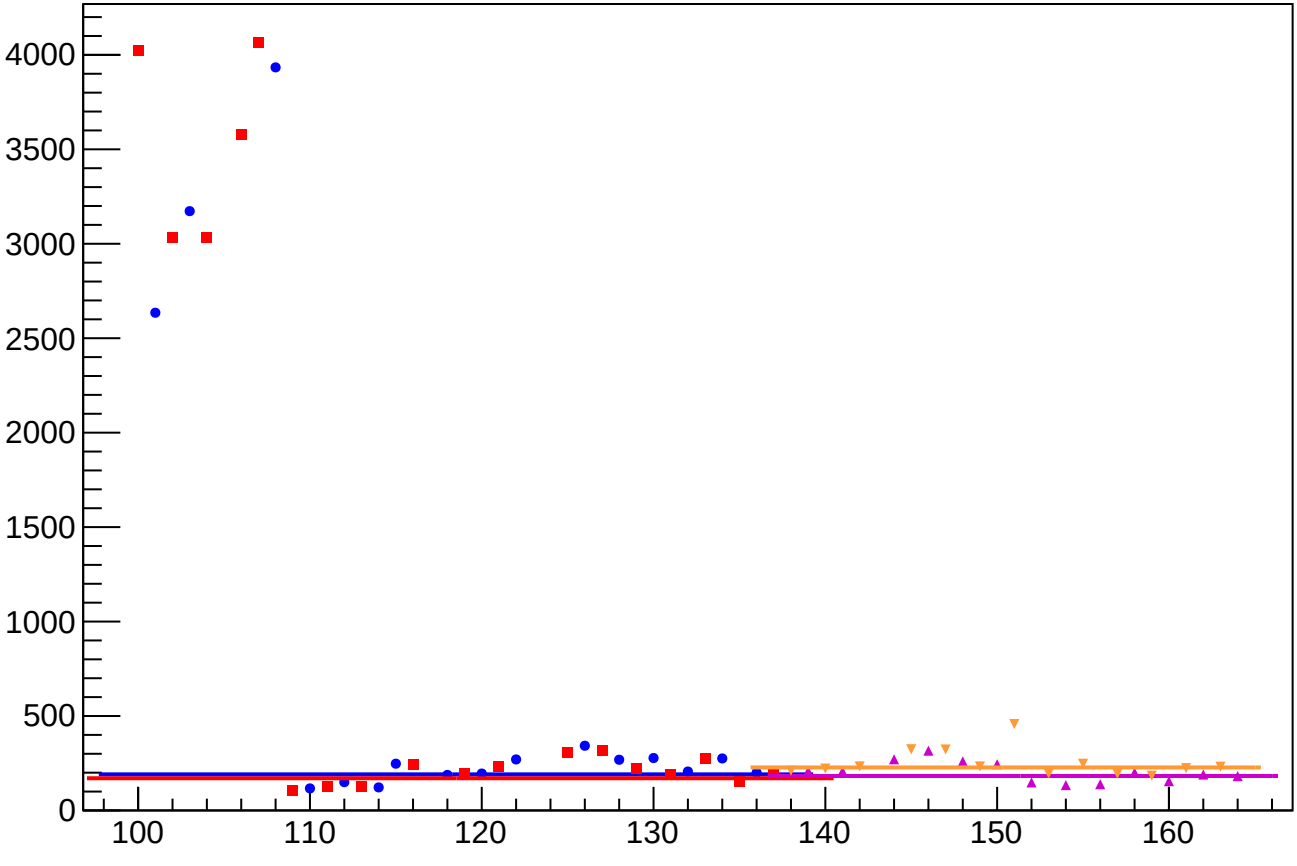
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 92.843+/-48.146 χ^2/NDF:25.5/28

Out: 17.912+/-53.556 χ^2/NDF:26.4/30

All: 59.352+/-35.805 χ^2/NDF: 53.0/59

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 227.662+/-0.052 χ^2/NDF:895298.3/12

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 182.472+/-0.041 χ^2/NDF:1298321.0/12

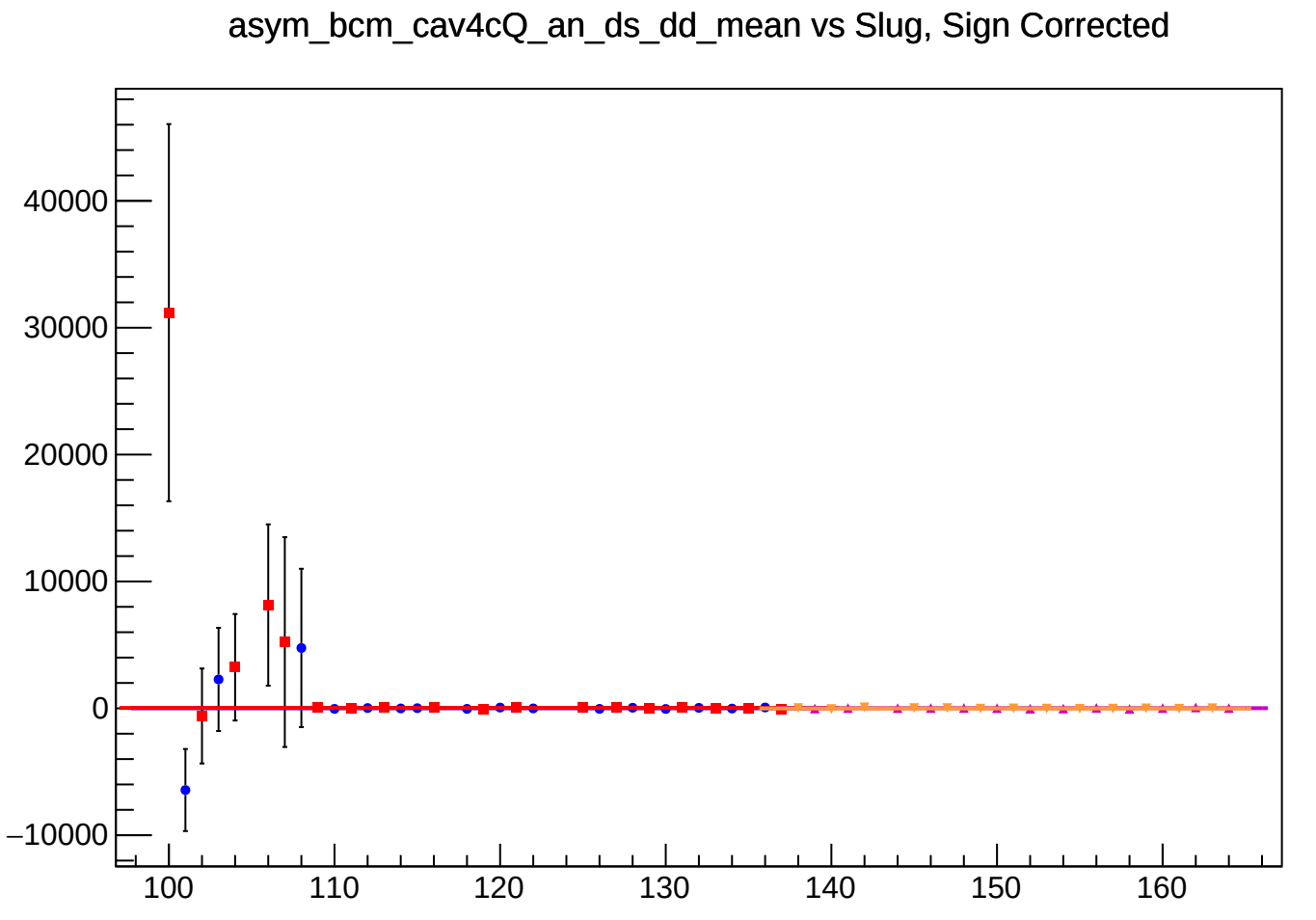
Left: 200.047+/-0.032 χ^2/NDF: 2656136.8/25

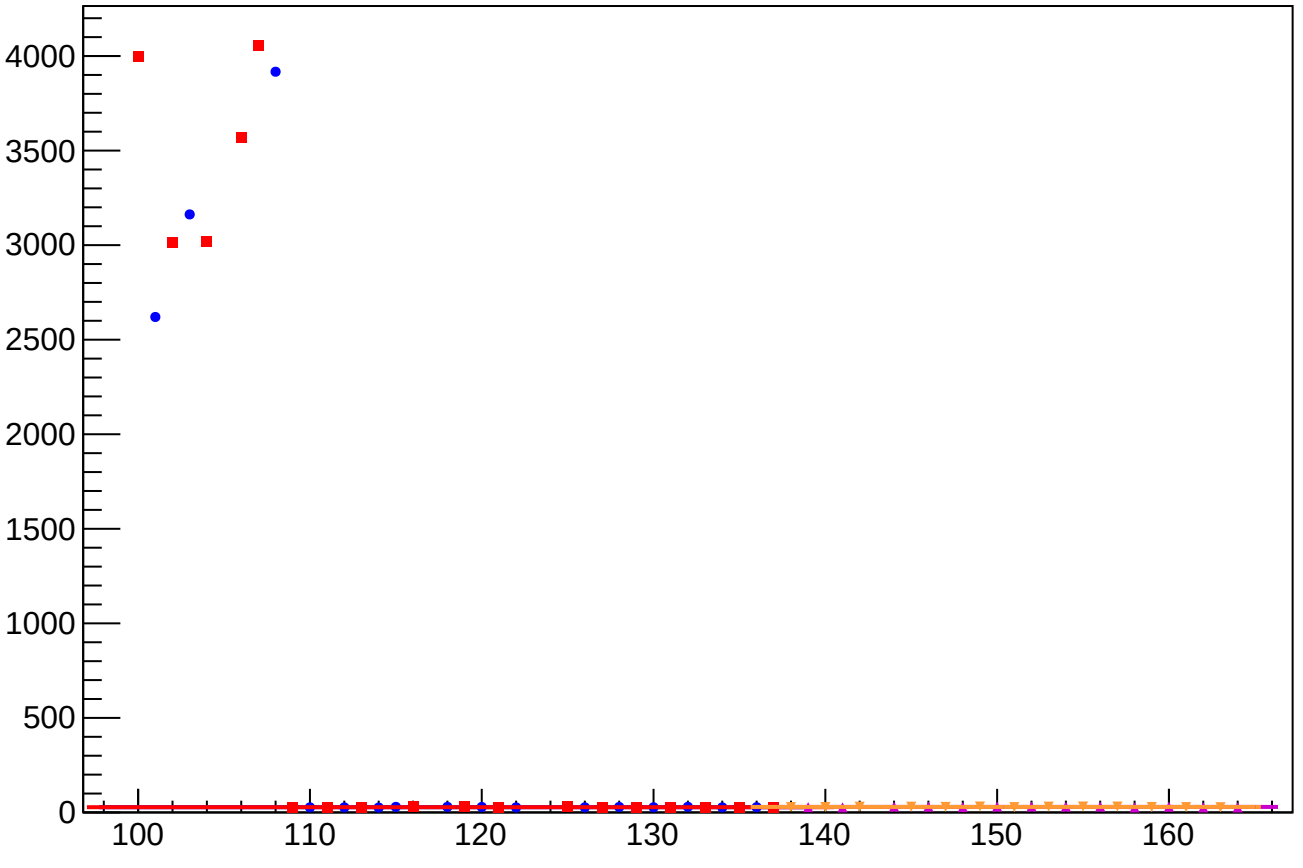
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 185.266+/-0.034 χ^2/NDF:5146264.3/28

Out: 200.881+/-0.038 χ^2/NDF:5717574.8/30

All: 192.245+/-0.025 χ^2/NDF: 10957855.3/59


asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 6.490+/-11.764 χ²/NDF: 18.3/15
Left Out: -7.789+/-9.108 χ²/NDF:10.6/12
Right Out: 30.740+/-12.084 χ²/NDF: 19.9/17
Left In: 12.349+/-8.854 χ²/NDF:12.2/12
Left: 2.565+/-6.349 χ²/NDF: 25.3/25
Right: 18.290+/-8.429 χ²/NDF: 40.2/33
In: 10.230+/-7.074 χ²/NDF:30.6/28
Out: 6.169+/-7.273 χ²/NDF:37.0/30
All: 8.256+/-5.071 χ²/NDF: 67.8/59



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.288+/-0.006 χ^2/NDF:41916.2/12

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.202+/-0.006 χ^2/NDF:95553.6/12

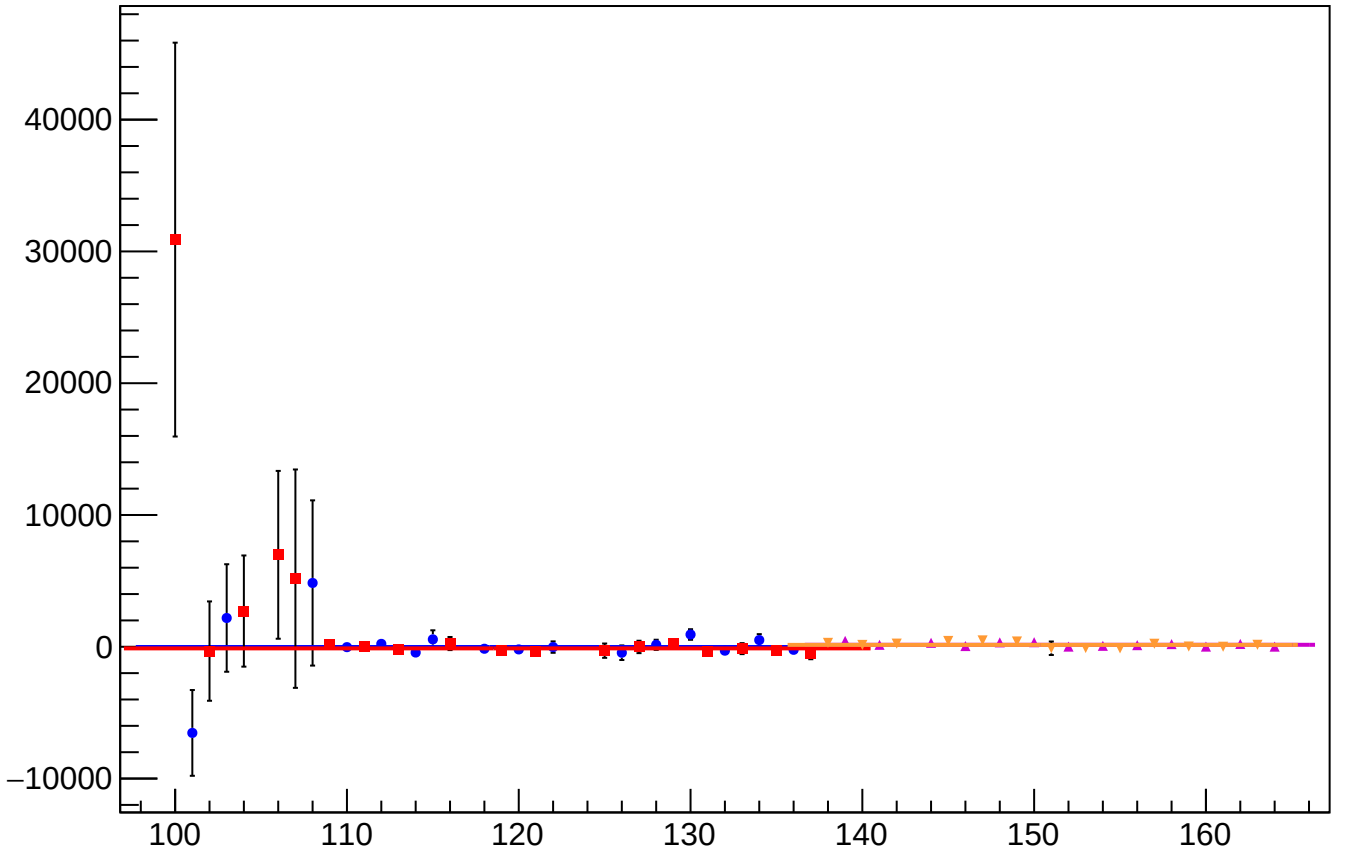
Left: 29.244+/-0.004 χ^2/NDF: 137562.5/25

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.704+/-0.005 χ^2/NDF:3378939.7/28

Out: 28.741+/-0.005 χ^2/NDF:3620230.3/30

All: 28.722+/-0.004 χ^2/NDF: 6999197.1/59



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 143.517+/-74.010 χ^2/NDF:6.1/12

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 149.850+/-59.170 χ^2/NDF:4.8/12

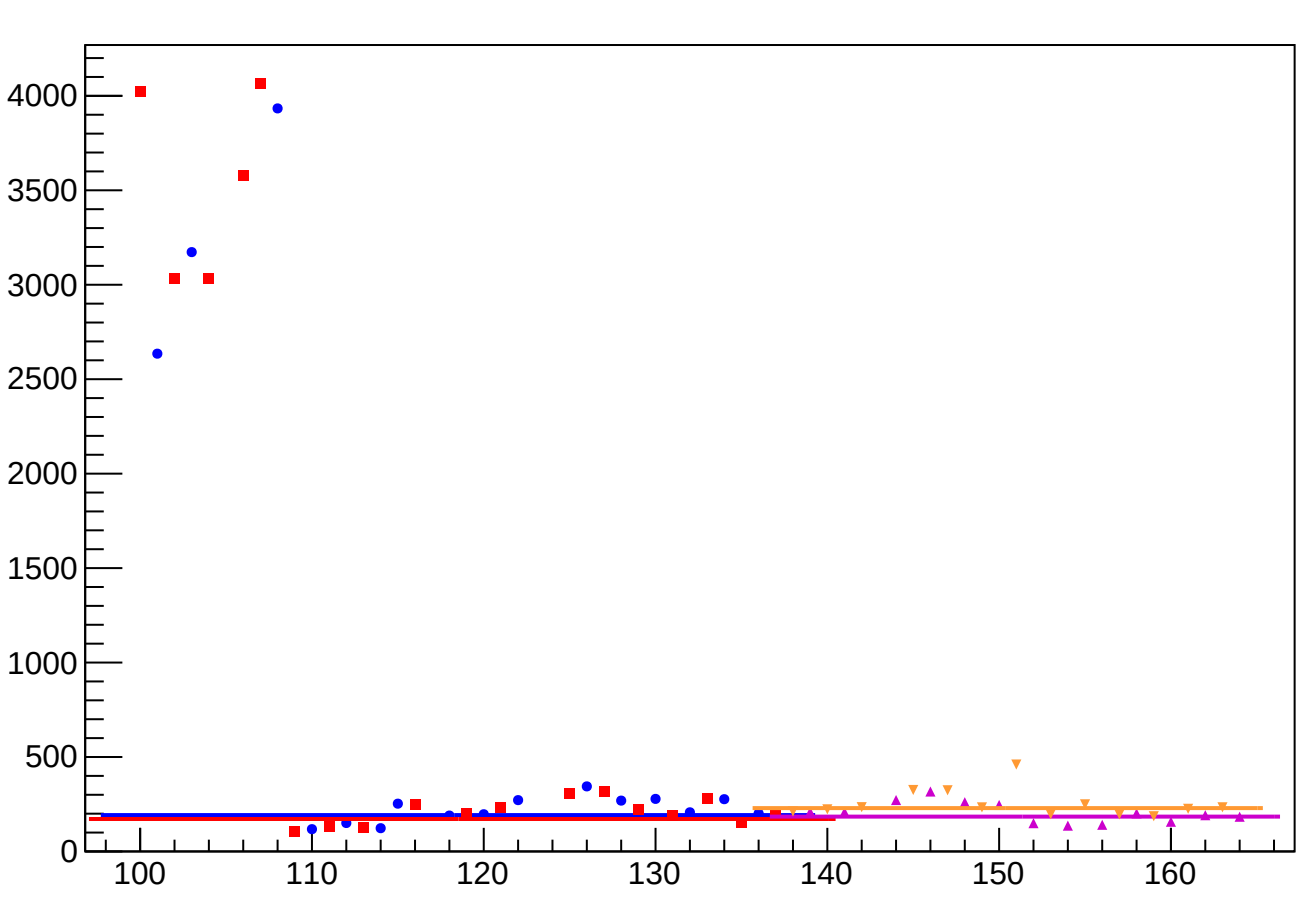
Left: 147.380+/-46.215 χ^2/NDF: 10.9/25

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 94.620+/-48.574 χ^2/NDF:25.6/28

Out: 19.361+/-53.961 χ^2/NDF:25.4/30

All: 60.934+/-36.102 χ^2/NDF: 52.1/59



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 229.492+/-0.052 χ^2/NDF:881597.0/12

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 184.447+/-0.042 χ^2/NDF:1259604.0/12

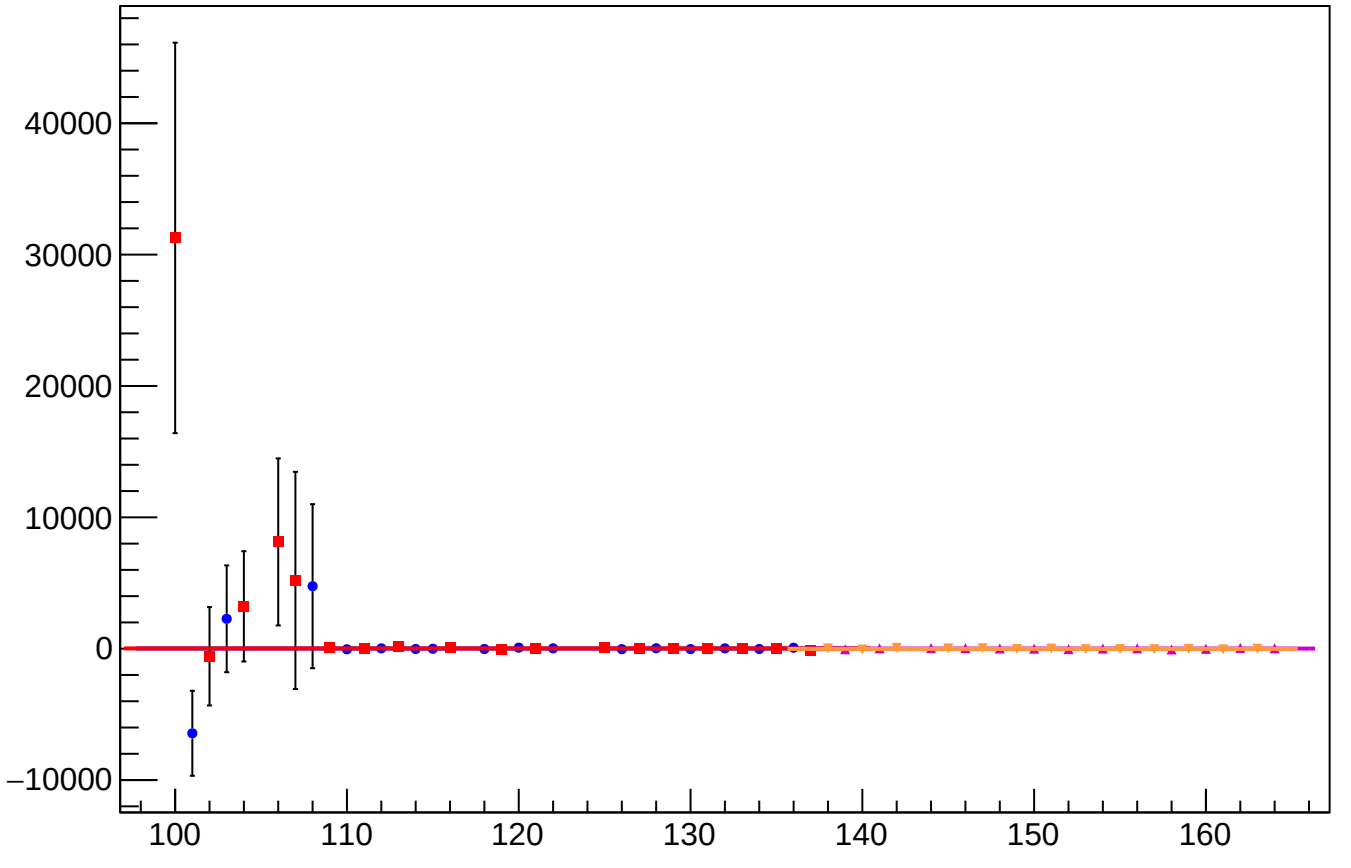
Left: 202.012+/-0.033 χ^2/NDF: 2593178.4/25

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 187.093+/-0.034 χ^2/NDF:5094653.1/28

Out: 202.515+/-0.038 χ^2/NDF:5696710.6/30

All: 193.996+/-0.026 χ^2/NDF: 10881608.4/59



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -14.941+/-9.734 χ^2/NDF:11.4/12

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 10.555+/-9.487 χ^2/NDF:14.0/12

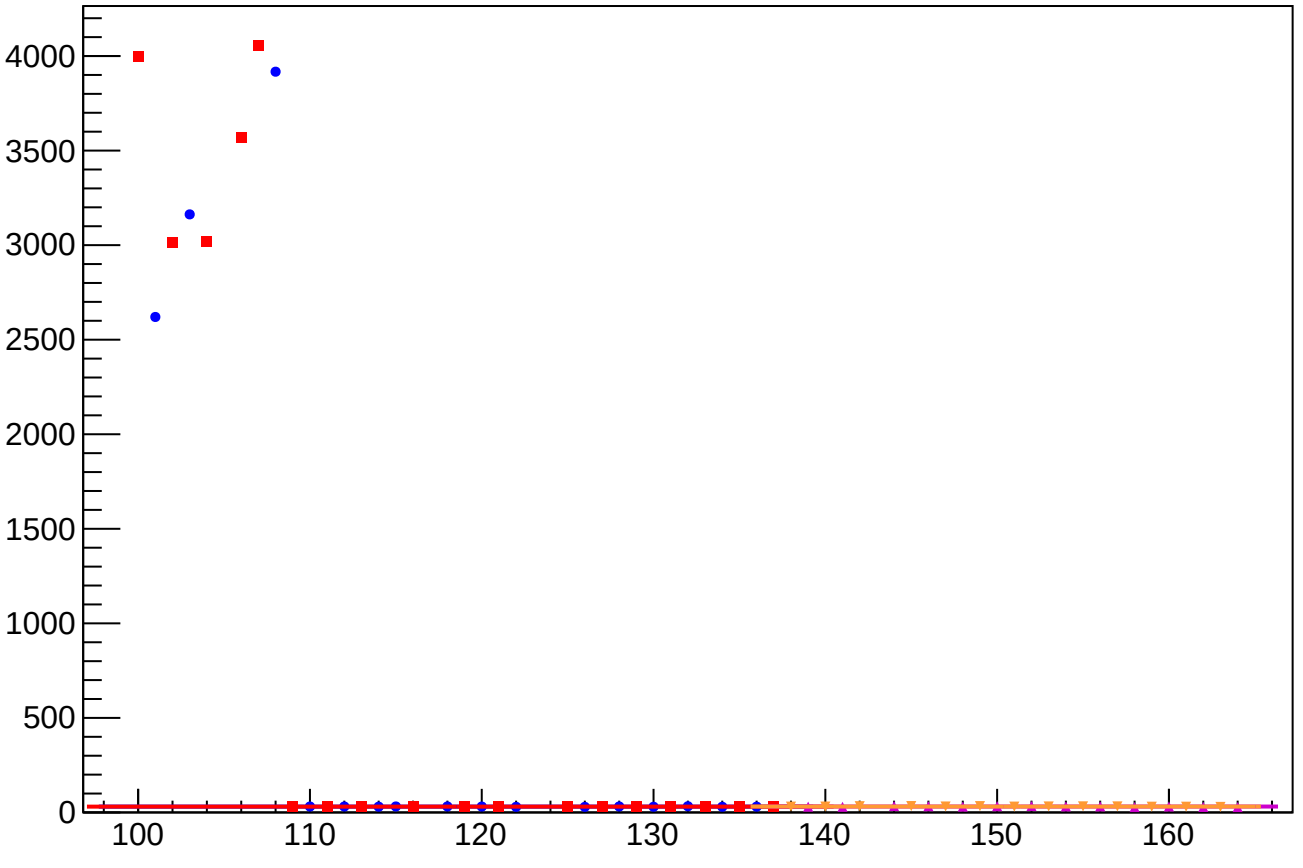
Left: -1.866+/-6.794 χ^2/NDF: 29.0/25

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 11.645+/-7.676 χ^2/NDF:29.5/28

Out: -2.192+/-7.872 χ^2/NDF:44.8/30

All: 4.901+/-5.496 χ^2/NDF: 75.9/59



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.317+/-0.007 χ^2/NDF:32122.4/12

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.304+/-0.007 χ^2/NDF:74911.5/12

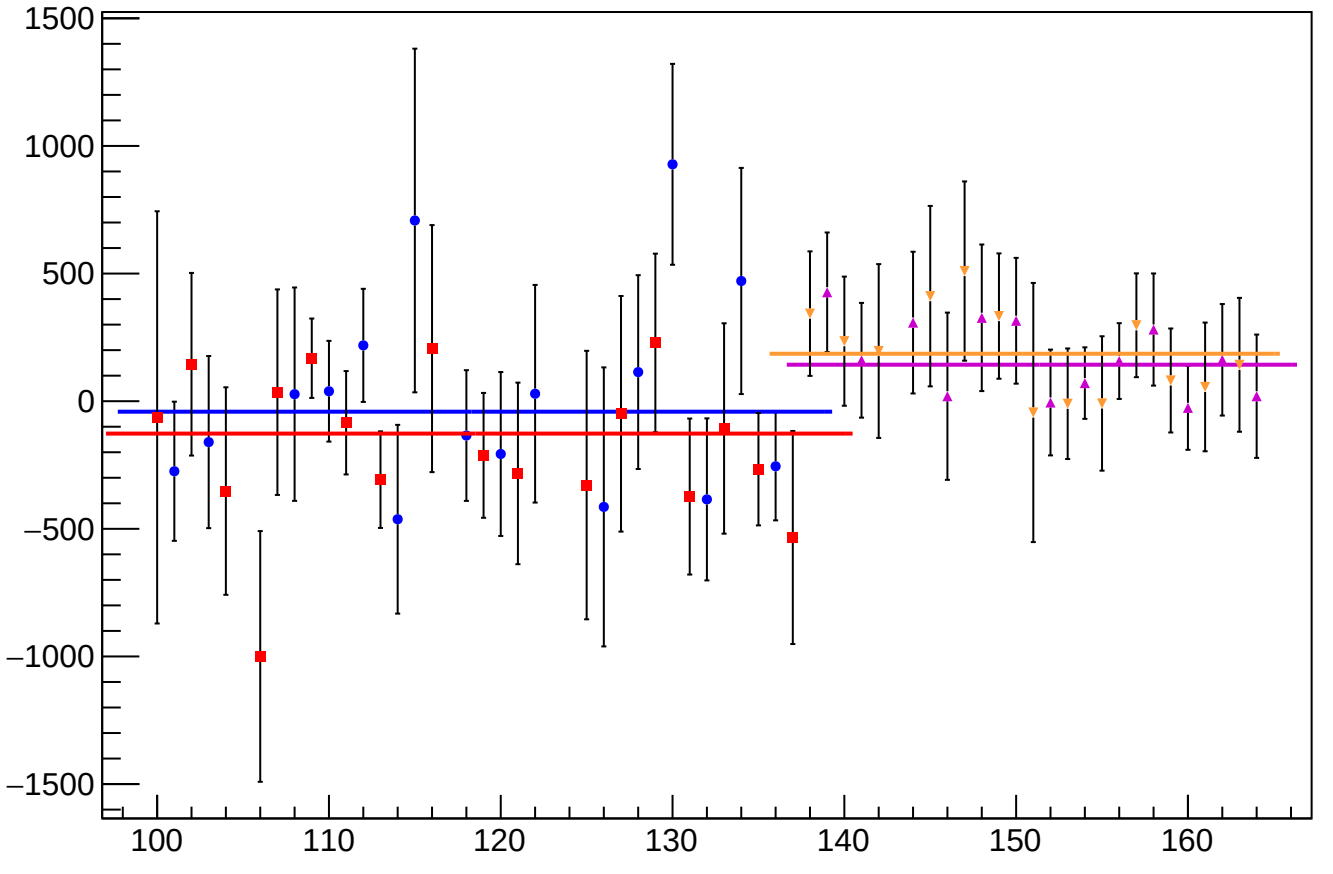
Left: 31.310+/-0.005 χ^2/NDF: 107035.8/25

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.174+/-0.005 χ^2/NDF:3328600.2/28

Out: 31.139+/-0.006 χ^2/NDF:3570000.7/30

All: 31.157+/-0.004 χ^2/NDF: 6898621.0/59



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 185.911+/-72.180 χ^2/NDF:4.5/12

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 142.956+/-57.322 χ^2/NDF:5.4/12

Left: 159.569+/-44.889 χ^2/NDF: 10.1/25

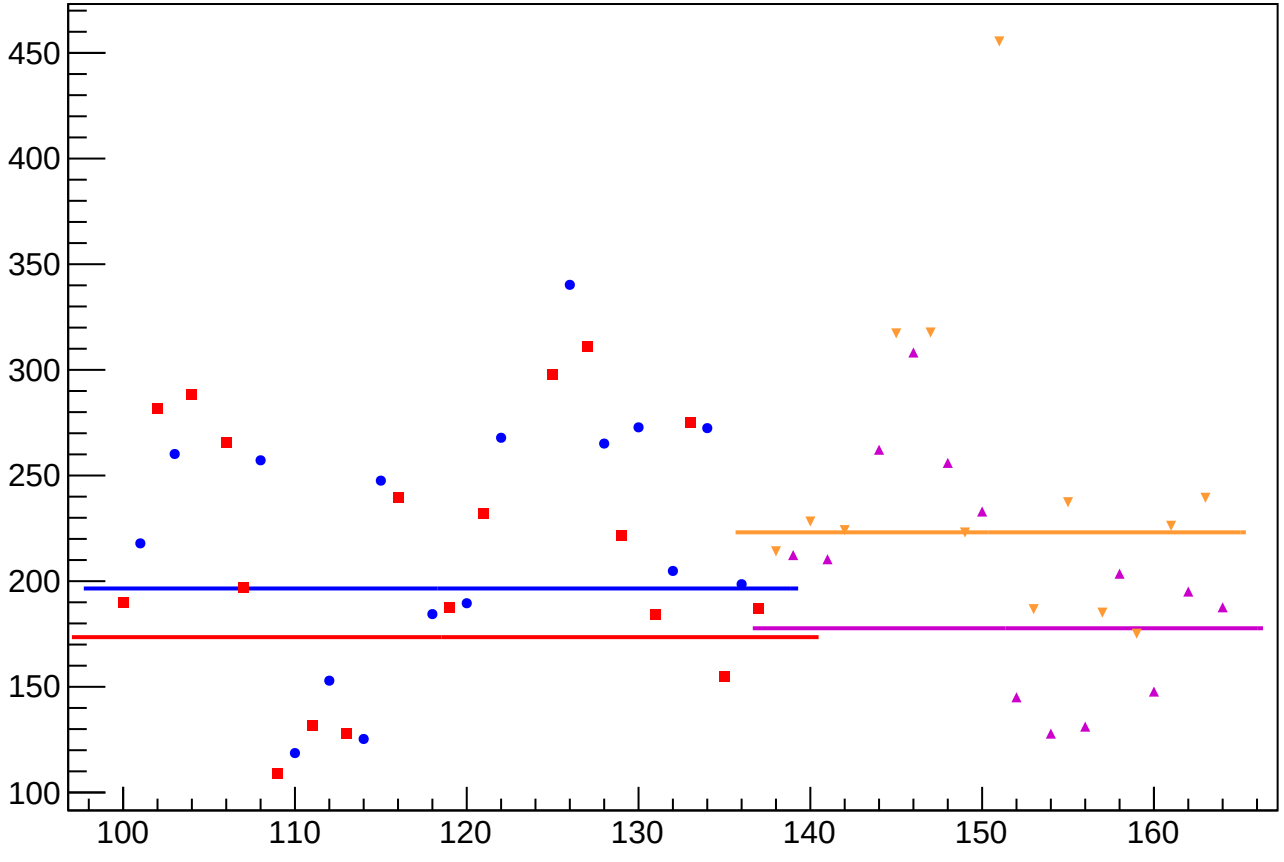
Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 77.472+/-46.010 χ^2/NDF:24.7/28

Out: 23.328+/-50.021 χ^2/NDF:27.0/30

All: 52.657+/-33.863 χ^2/NDF: 52.3/59

asym_bcm_dg_us_an_us_avg_rms vs Slug, Sign Corrected



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 223.116+/-0.051 χ^2/NDF:960385.6/12

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 177.717+/-0.041 χ^2/NDF:1447392.0/12

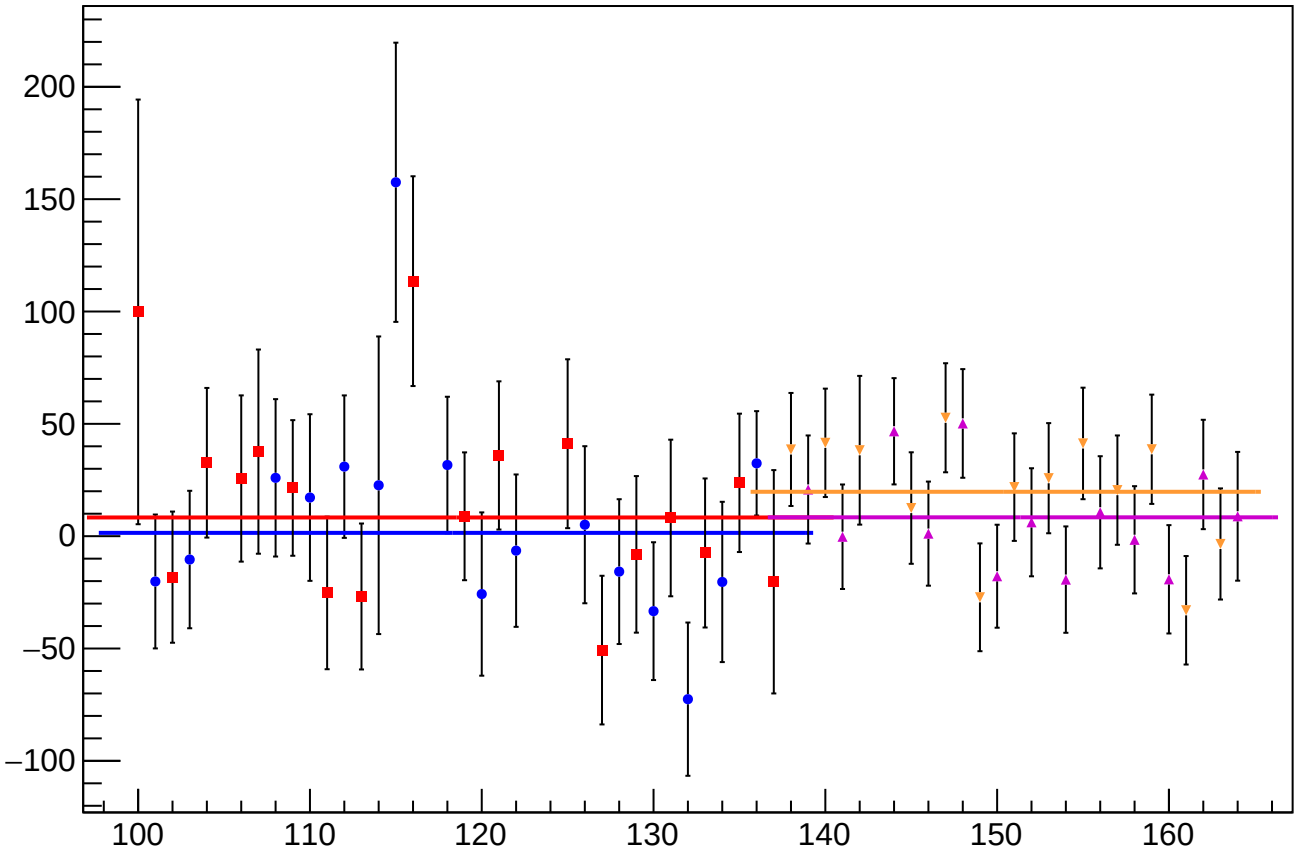
Left: 195.275+/-0.032 χ^2/NDF: 2892979.5/25

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 184.414+/-0.033 χ^2/NDF:2524903.1/28

Out: 197.333+/-0.035 χ^2/NDF:2984099.0/30

All: 190.335+/-0.024 χ^2/NDF: 5581265.4/59



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 19.762+/-6.895 χ^2/NDF:14.5/12

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 8.392+/-6.690 χ^2/NDF:10.9/12

Left: 13.906+/-4.802 χ^2/NDF: 26.8/25

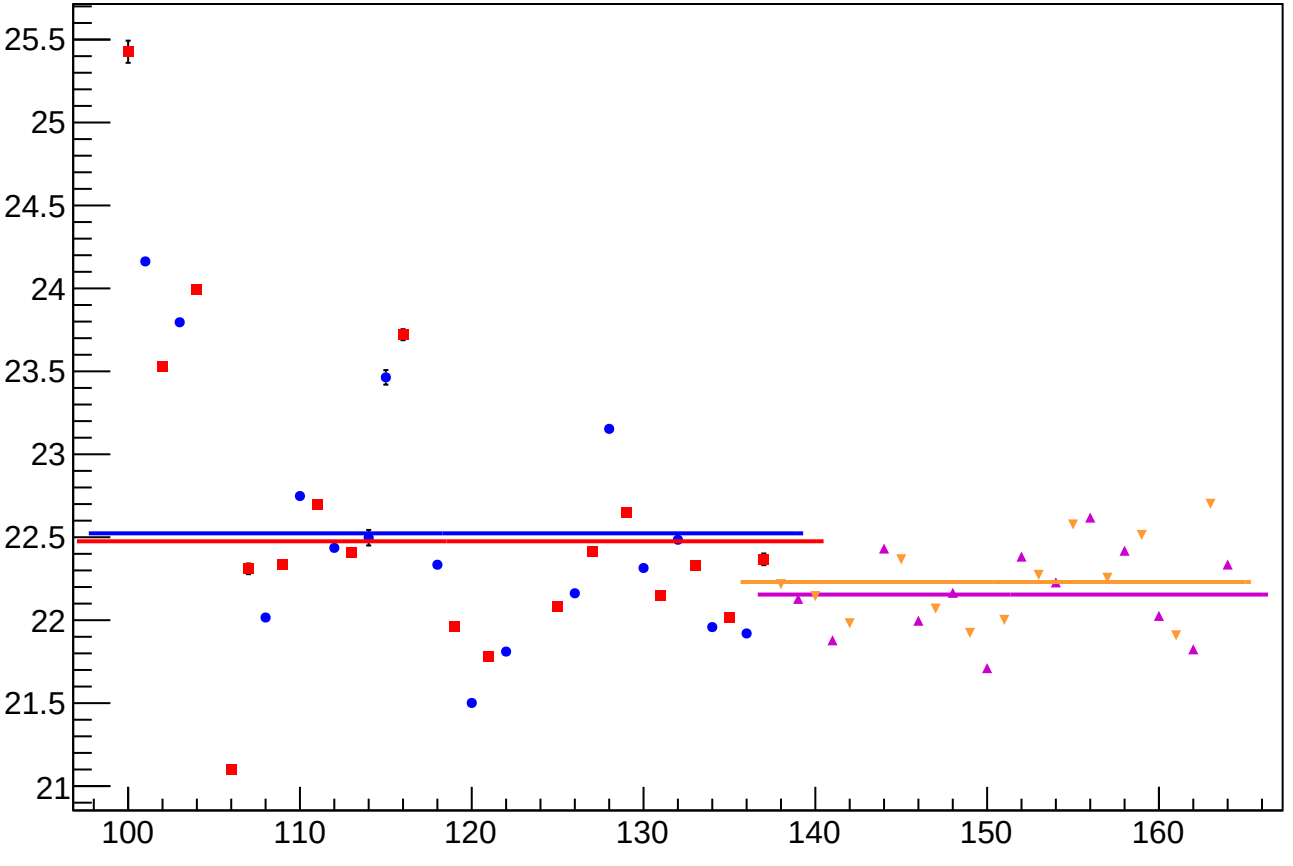
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 5.696+/-5.226 χ^2/NDF:30.0/28

Out: 15.084+/-5.300 χ^2/NDF:31.7/30

All: 10.324+/-3.721 χ^2/NDF: 63.3/59

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: 22.230+/-0.005 χ^2/NDF:2548.1/12

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.155+/-0.005 χ^2/NDF:3041.5/12

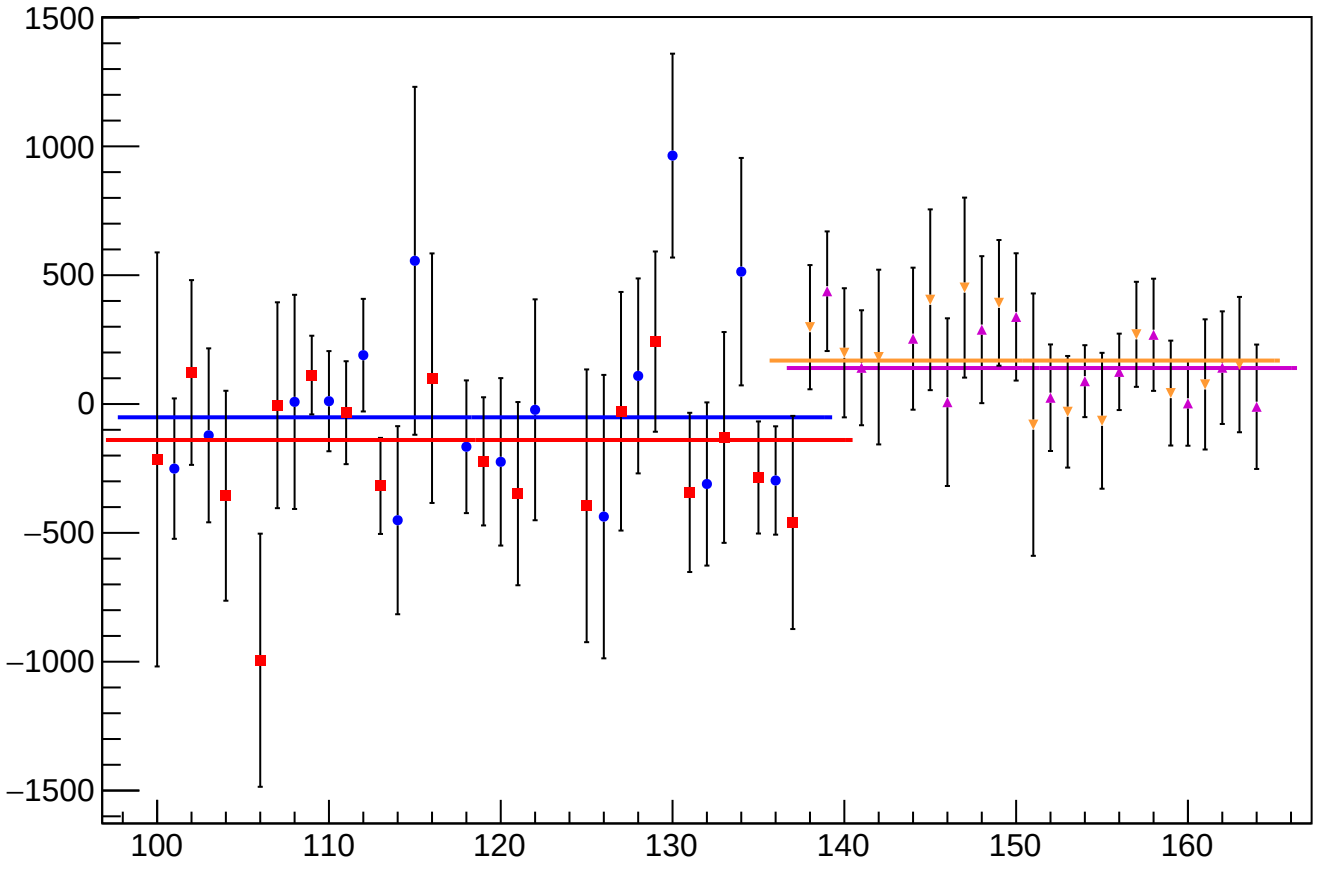
Left: 22.191+/-0.003 χ^2/NDF: 5713.5/25

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.298+/-0.004 χ^2/NDF:21360.8/28

Out: 22.331+/-0.004 χ^2/NDF:19121.8/30

All: 22.314+/-0.003 χ^2/NDF: 40520.1/59



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 168.714+/-72.000 χ^2/NDF:4.9/12

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 139.744+/-57.137 χ^2/NDF:4.8/12

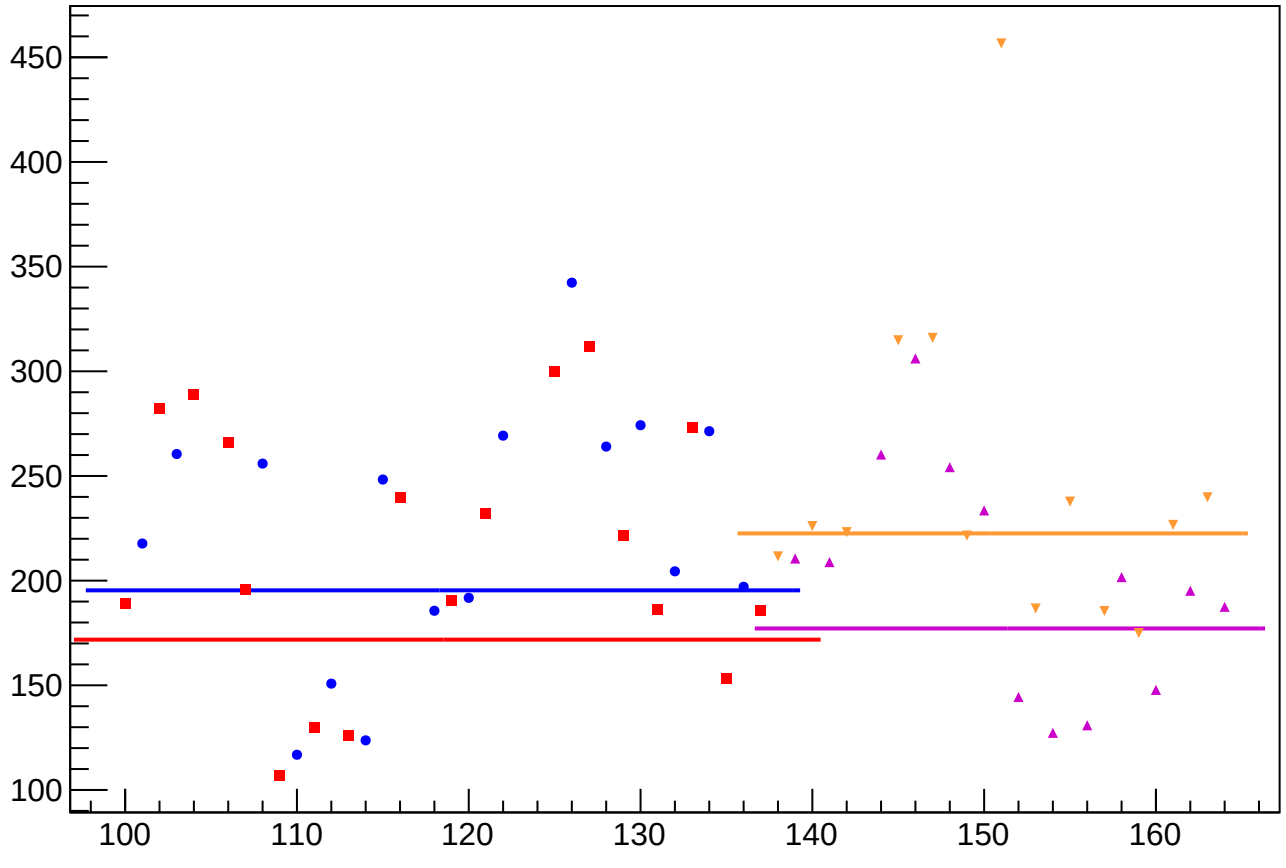
Left: 150.939+/-44.757 χ^2/NDF: 9.8/25

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 71.606+/-45.842 χ^2/NDF:24.1/28

Out: 7.780+/-49.775 χ^2/NDF:26.0/30

All: 42.314+/-33.720 χ^2/NDF: 51.0/59



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 222.559+/-0.051 χ^2/NDF:955030.3/12

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 177.151+/-0.040 χ^2/NDF:1434158.5/12

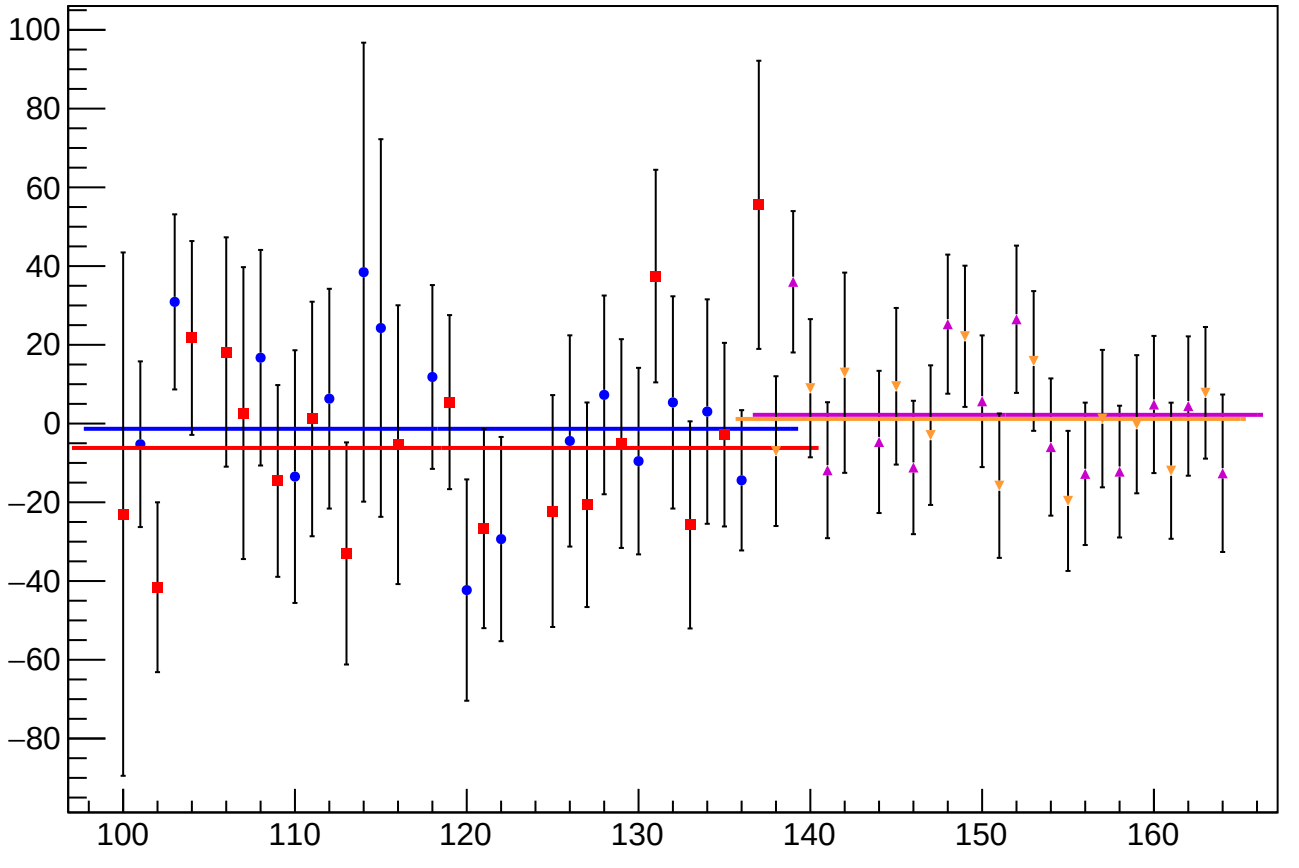
Left: 194.697+/-0.032 χ^2/NDF: 2877287.4/25

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 183.639+/-0.032 χ^2/NDF:2547971.5/28

Out: 196.062+/-0.035 χ^2/NDF:3074544.3/30

All: 189.340+/-0.024 χ^2/NDF: 5689916.9/59



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.179+/-5.055 χ^2/NDF:5.8/12

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 2.216+/-4.906 χ^2/NDF:10.6/12

Left: 1.713+/-3.521 χ^2/NDF: 16.5/25

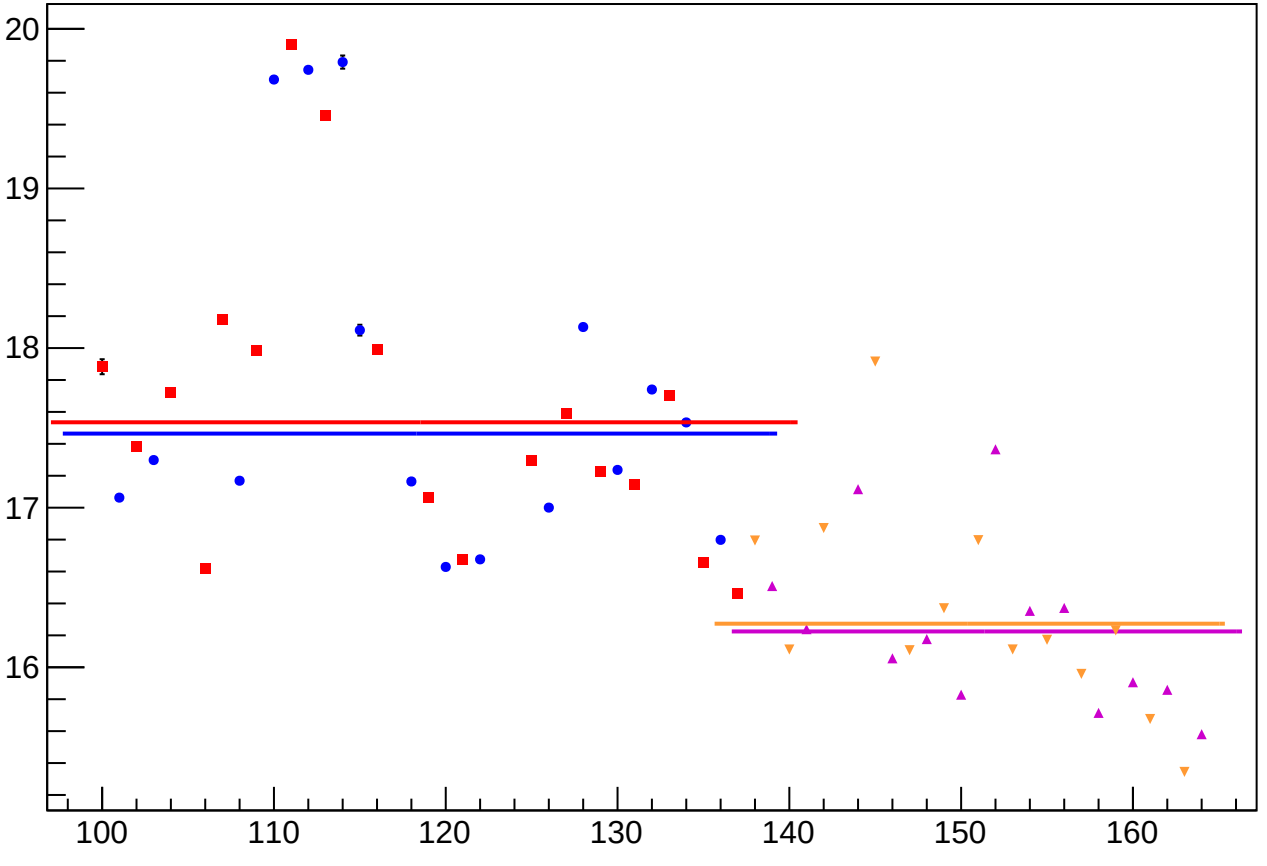
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 0.928+/-3.916 χ^2/NDF:18.8/28

Out: -1.615+/-3.984 χ^2/NDF:20.1/30

All: -0.321+/-2.793 χ^2/NDF: 39.2/59

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: 16.273+/-0.004 χ^2/NDF:27723.8/12

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.225+/-0.003 χ^2/NDF:19849.2/12

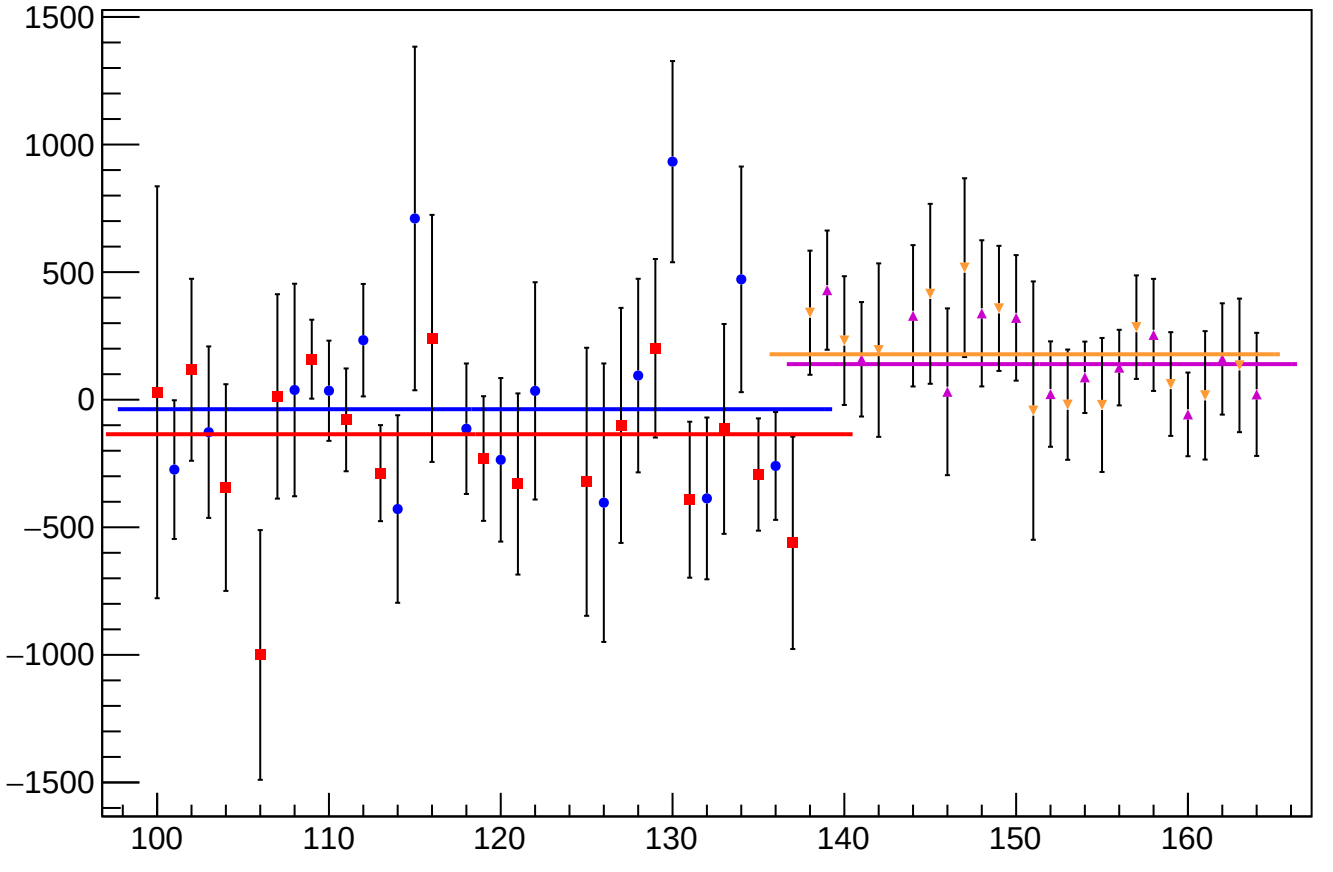
Left: 16.248+/-0.002 χ^2/NDF: 47668.0/25

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.675+/-0.003 χ^2/NDF:102853.7/28

Out: 16.751+/-0.003 χ^2/NDF:109417.4/30

All: 16.712+/-0.002 χ^2/NDF: 212647.3/59



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 178.083+/-72.018 χ^2/NDF:5.1/12

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 139.435+/-57.212 χ^2/NDF:5.6/12

Left: 154.389+/-44.797 χ^2/NDF: 10.8/25

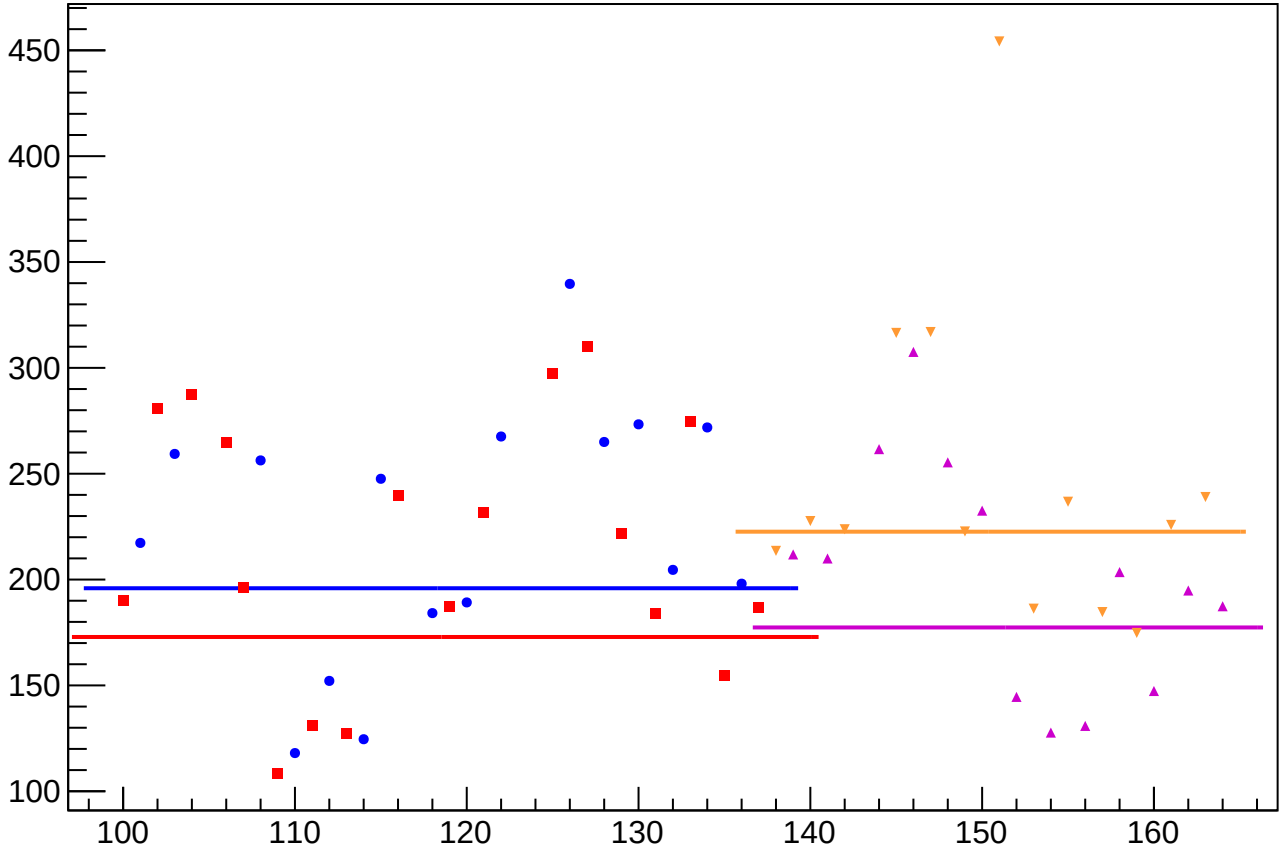
Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 76.502+/-45.905 χ^2/NDF:24.6/28

Out: 15.055+/-49.882 χ^2/NDF:27.7/30

All: 48.325+/-33.779 χ^2/NDF: 53.2/59

asym_bcm_dg_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 222.617+/-0.051 χ^2/NDF:960248.6/12

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 177.375+/-0.040 χ^2/NDF:1447922.4/12

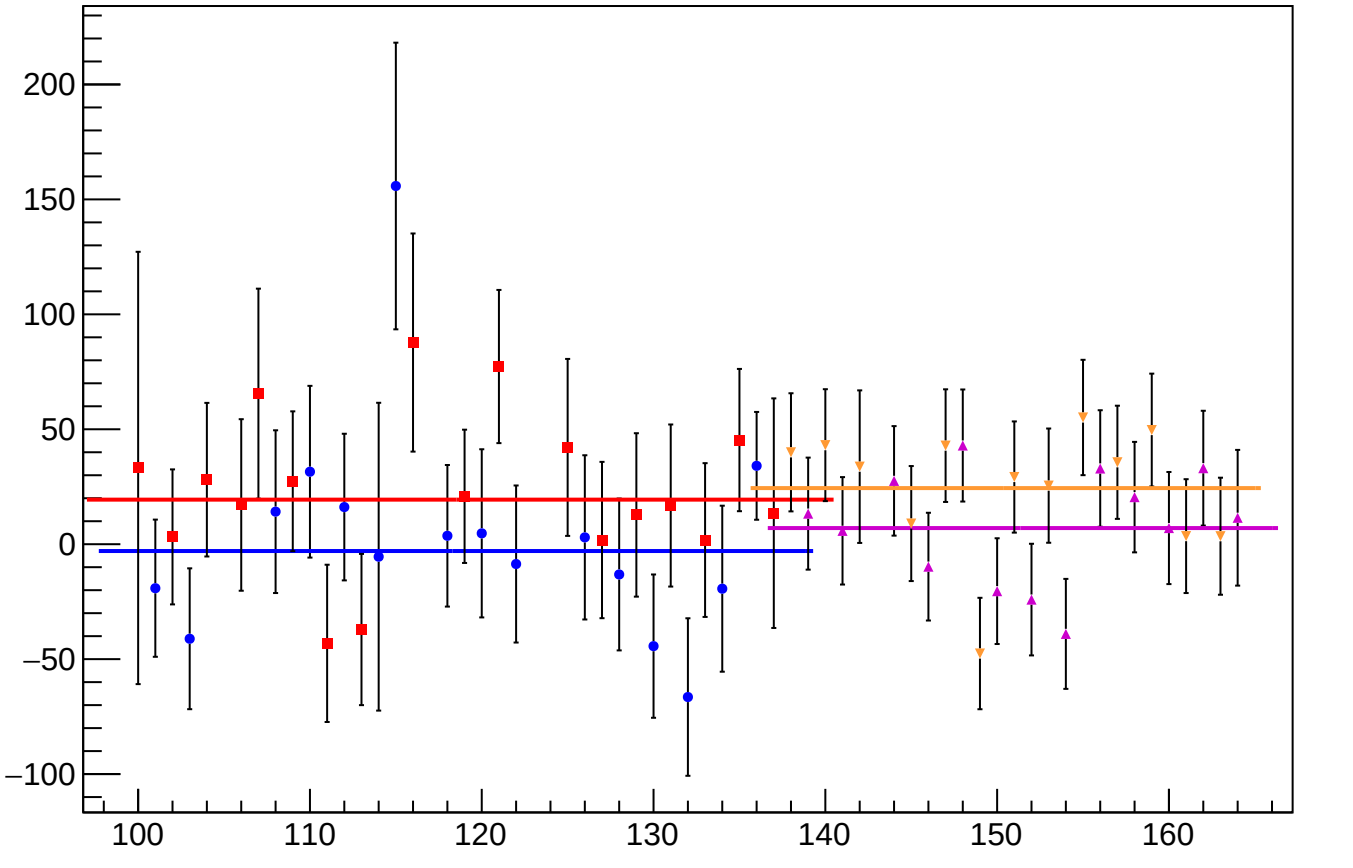
Left: 194.880+/-0.032 χ^2/NDF: 2892070.3/25

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 183.974+/-0.032 χ^2/NDF:2533621.2/28

Out: 196.738+/-0.035 χ^2/NDF:2999931.8/30

All: 189.827+/-0.024 χ^2/NDF: 5604454.4/59



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 24.408+/-6.988 χ^2/NDF:15.0/12

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 7.022+/-6.767 χ^2/NDF:12.7/12

Left: 15.436+/-4.861 χ^2/NDF: 30.9/25

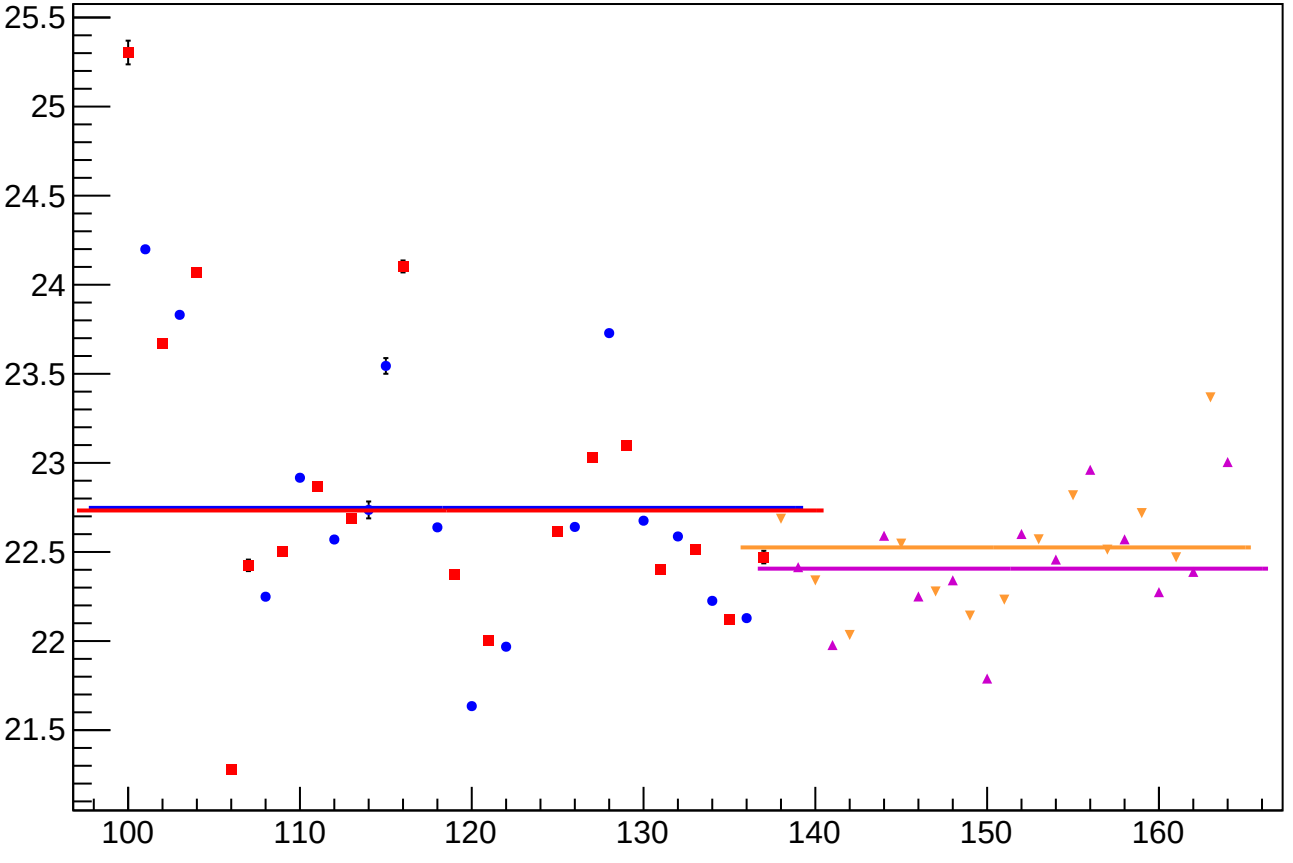
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 3.121+/-5.283 χ^2/NDF:31.5/28

Out: 22.349+/-5.367 χ^2/NDF:29.7/30

All: 12.583+/-3.765 χ^2/NDF: 67.8/59

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: 22.526+/-0.005 χ^2/NDF:4231.7/12

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.406+/-0.005 χ^2/NDF:4406.8/12

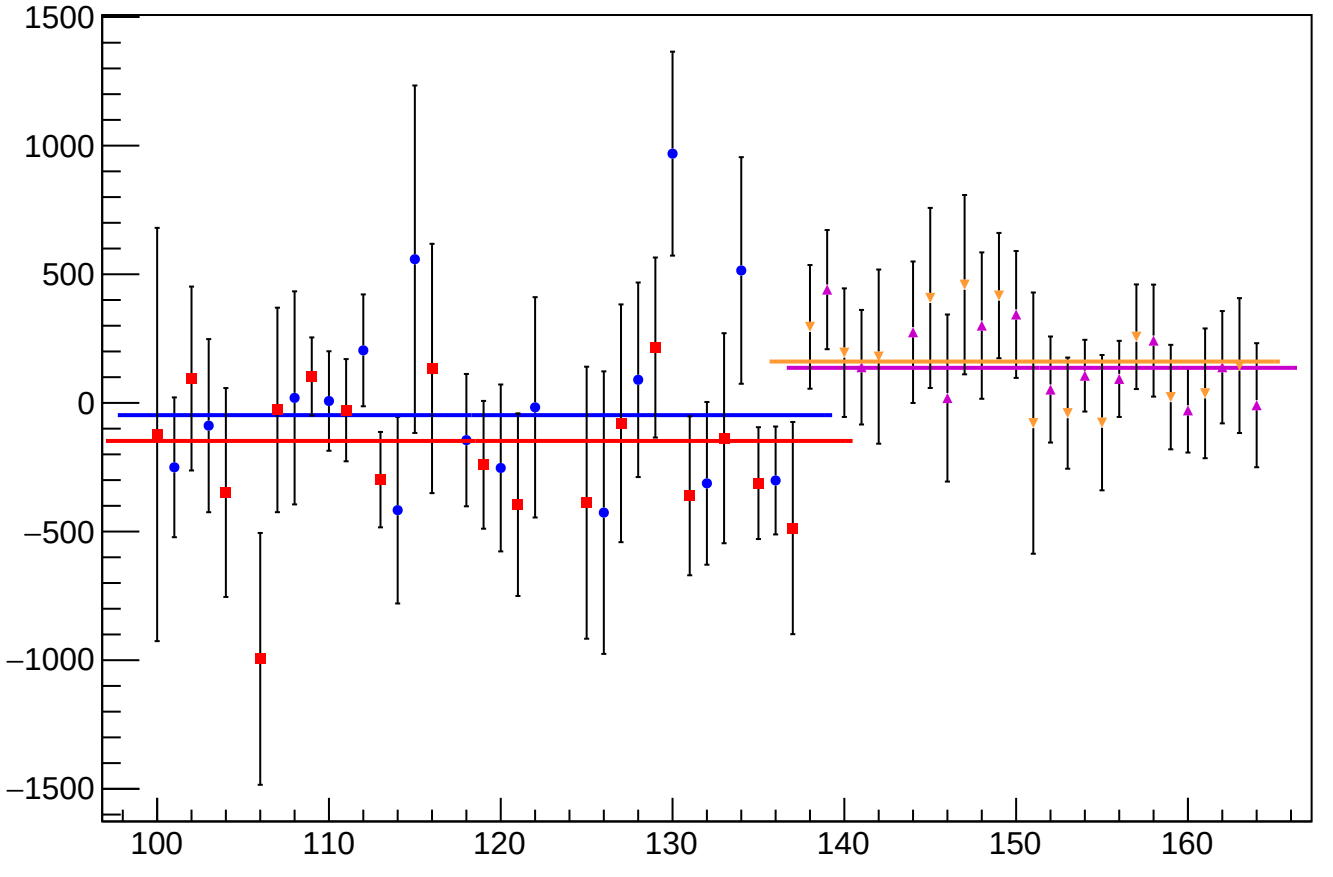
Left: 22.464+/-0.003 χ^2/NDF: 8938.8/25

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.540+/-0.004 χ^2/NDF:21014.0/28

Out: 22.611+/-0.004 χ^2/NDF:19343.5/30

All: 22.575+/-0.003 χ^2/NDF: 40535.4/59



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 160.812+/-71.838 χ^2/NDF:5.5/12

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 136.323+/-57.027 χ^2/NDF:5.1/12

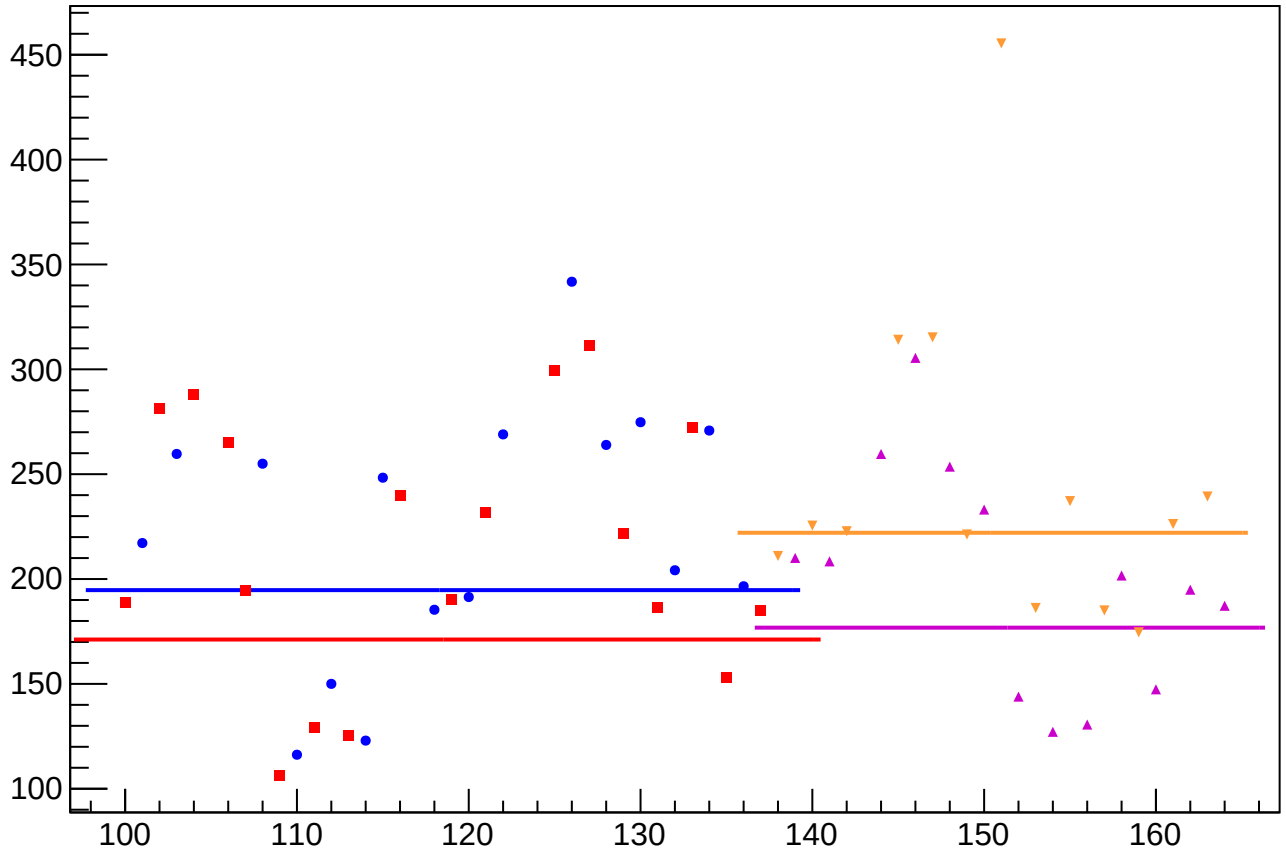
Left: 145.790+/-44.665 χ^2/NDF: 10.6/25

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 70.731+/-45.737 χ^2/NDF:24.2/28

Out: -0.478+/-49.635 χ^2/NDF:26.7/30

All: 38.033+/-33.635 χ^2/NDF: 52.0/59



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 222.062+/-0.051 χ^2/NDF:954894.0/12

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 176.812+/-0.040 χ^2/NDF:1434578.4/12

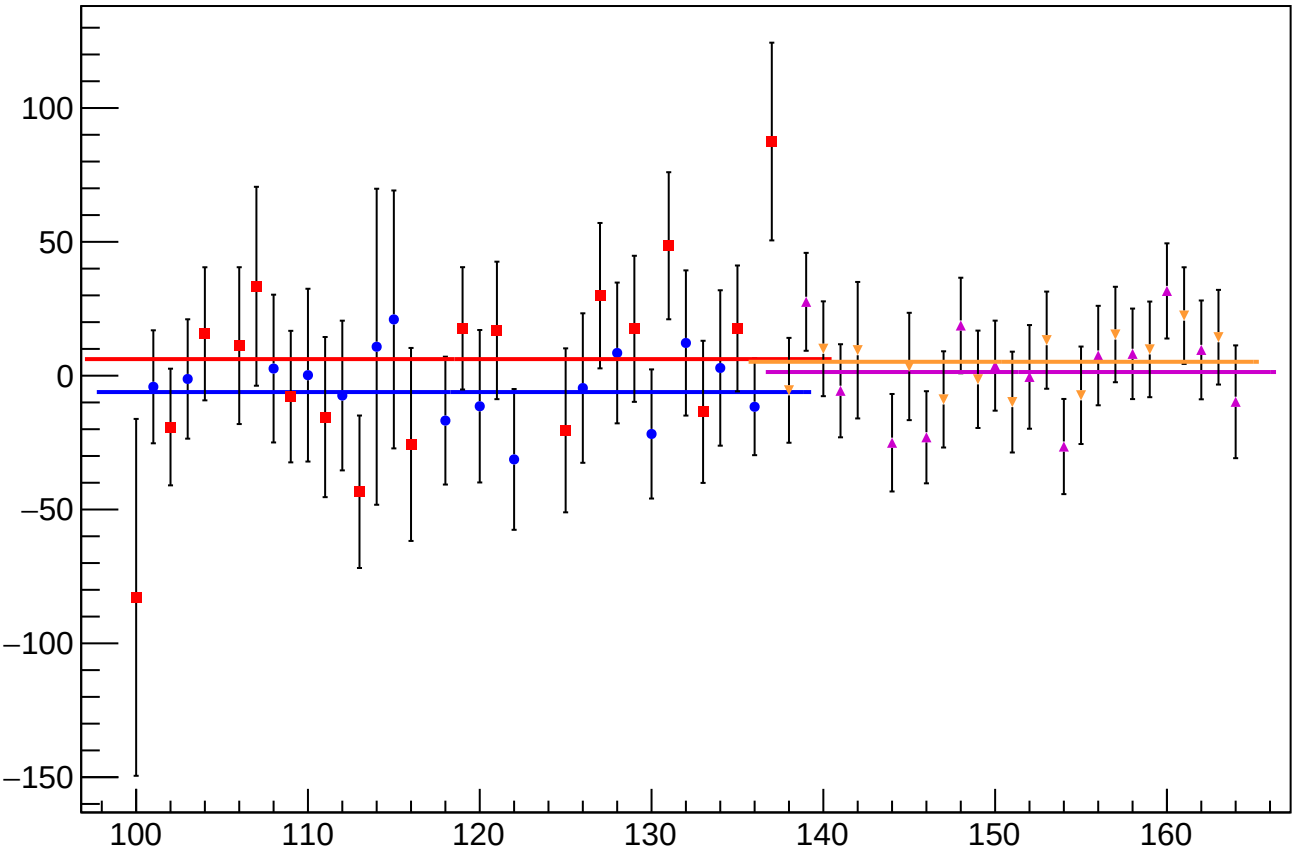
Left: 194.304+/-0.032 χ^2/NDF: 2876245.1/25

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 183.197+/-0.032 χ^2/NDF:2557139.8/28

Out: 195.458+/-0.035 χ^2/NDF:3091670.9/30

All: 188.827+/-0.024 χ^2/NDF: 5714814.8/59



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.191+/-5.174 χ^2/NDF:4.0/12

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 1.366+/-5.004 χ^2/NDF:13.4/12

Left: 3.214+/-3.597 χ^2/NDF: 17.7/25

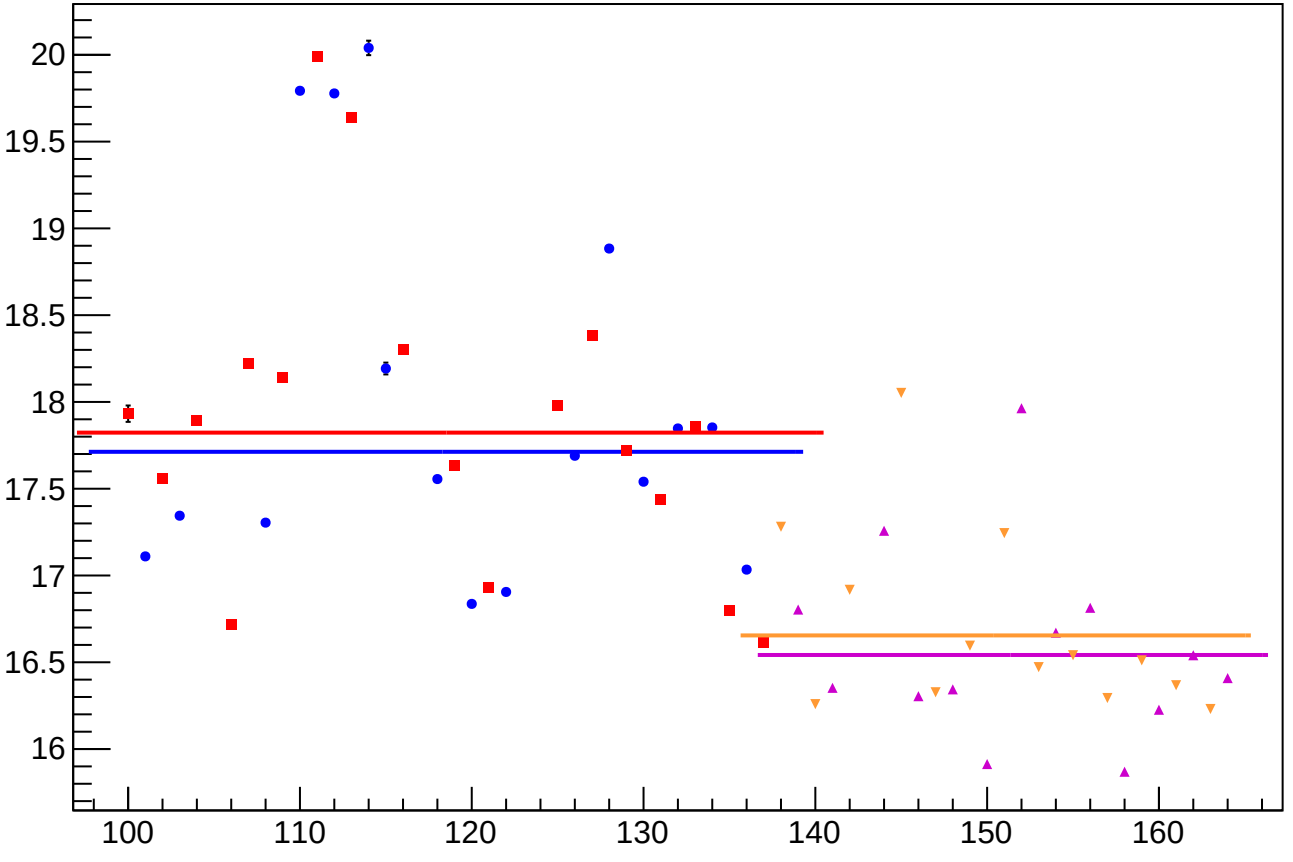
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -1.370+/-3.986 χ^2/NDF:17.4/28

Out: 5.574+/-4.067 χ^2/NDF:22.7/30

All: 2.032+/-2.847 χ^2/NDF: 41.5/59

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.655+/-0.004 χ^2/NDF:18497.6/12

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.542+/-0.004 χ^2/NDF:22340.1/12

Left: 16.597+/-0.003 χ^2/NDF: 41328.2/25

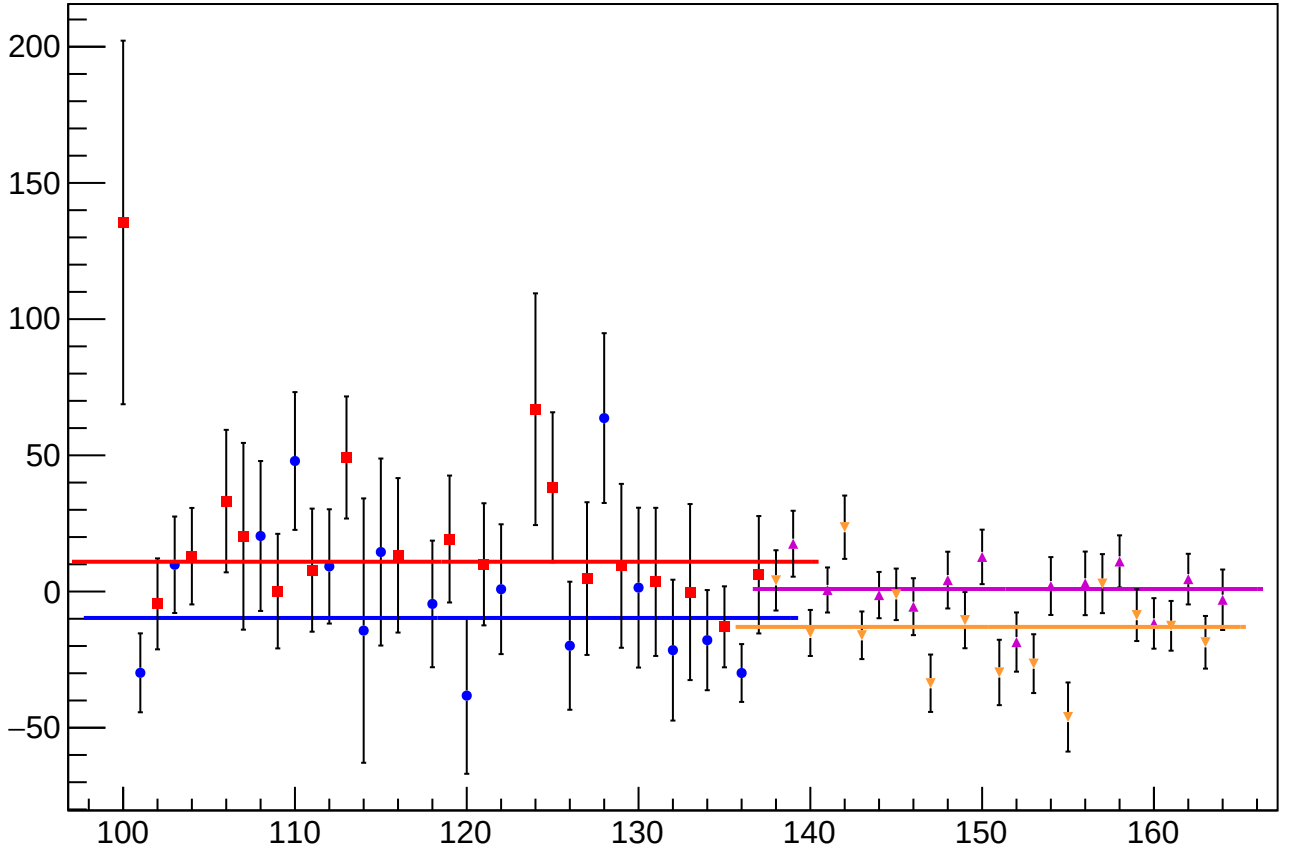
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 16.970+/-0.003 χ^2/NDF:98335.1/28

Out: 17.101+/-0.003 χ^2/NDF:89966.5/30

All: 17.034+/-0.002 χ^2/NDF: 189363.4/59

diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -12.989+/-2.709 χ^2/NDF:31.0/13

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 0.920+/-2.767 χ^2/NDF:10.3/12

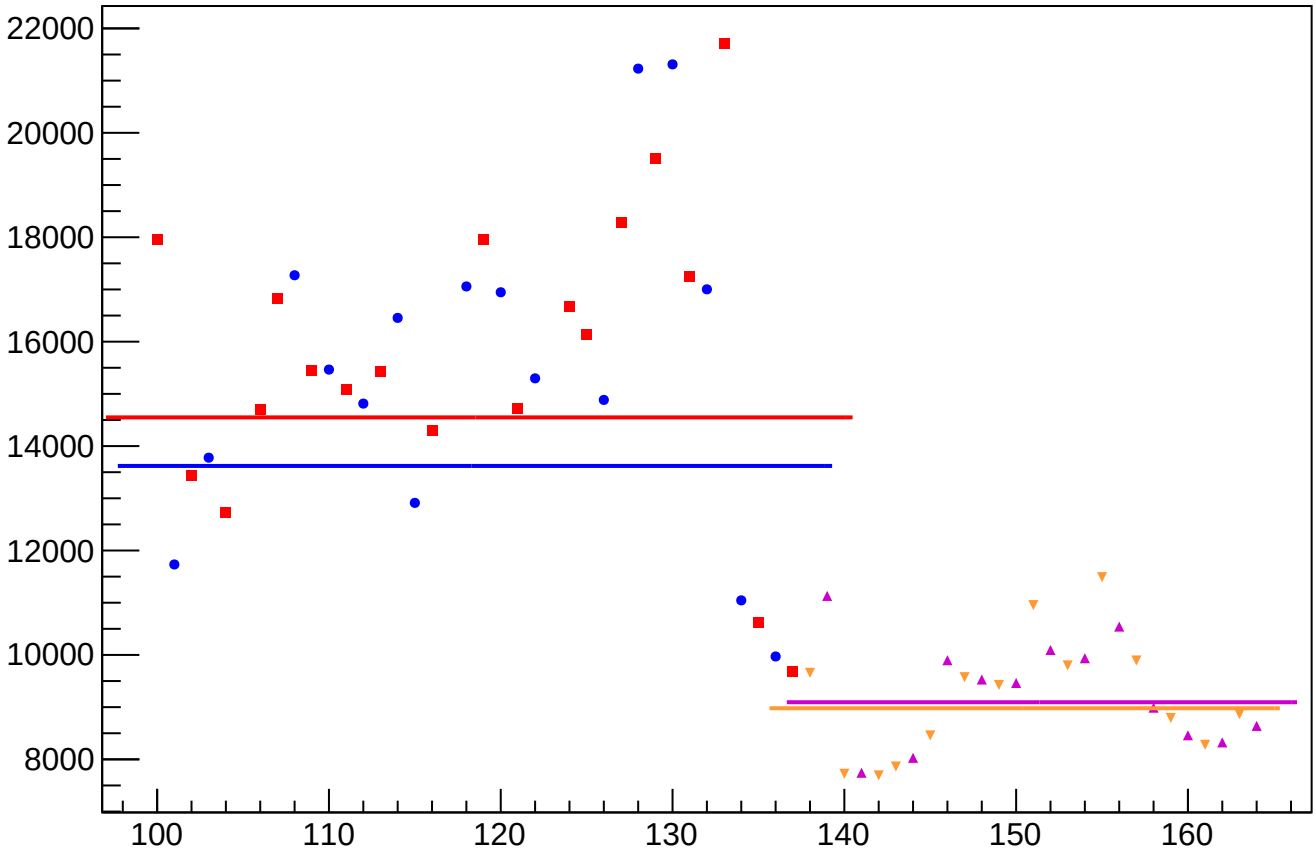
Left: -6.182+/-1.936 χ^2/NDF: 54.2/26

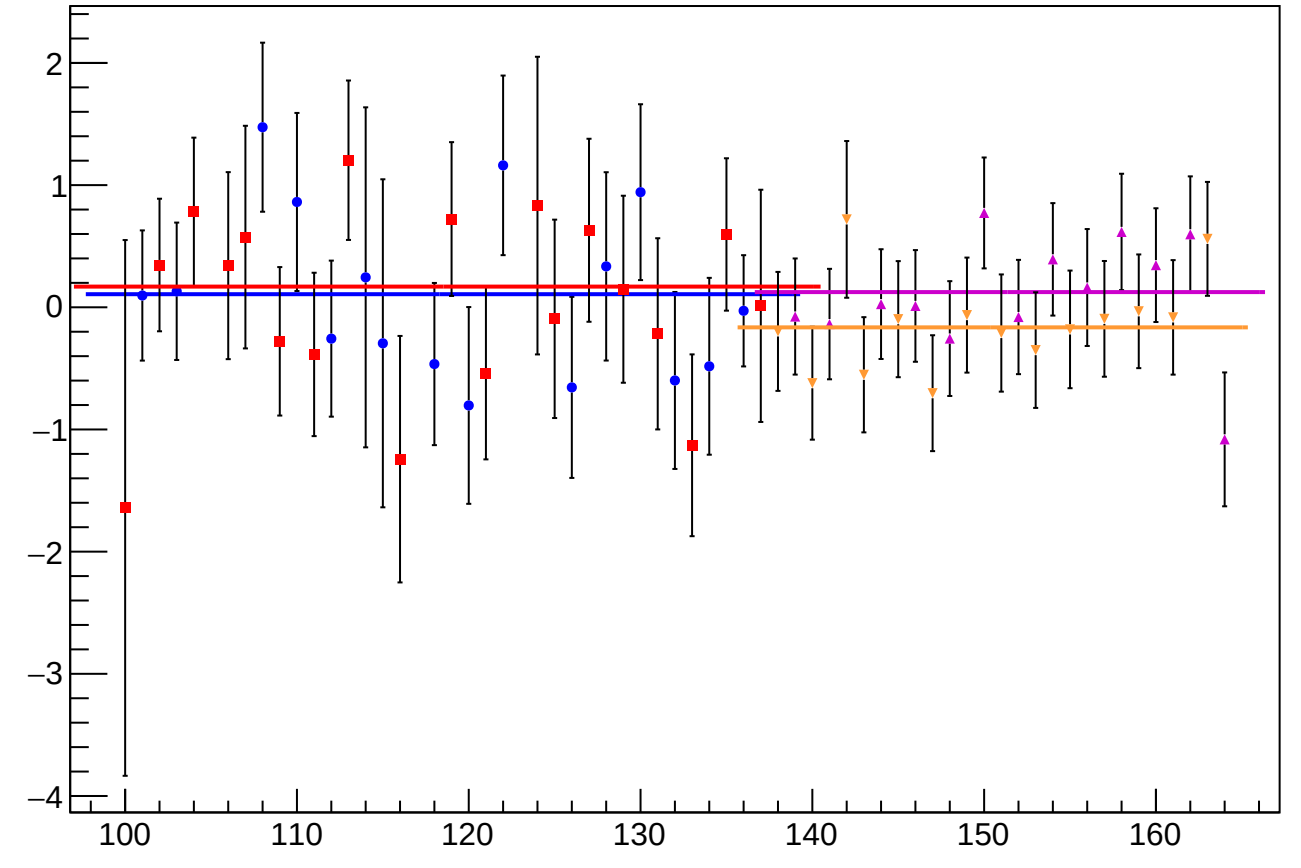
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -1.402+/-2.446 χ^2/NDF:35.6/28

Out: -8.228+/-2.425 χ^2/NDF:60.6/32

All: -4.845+/-1.722 χ^2/NDF: 100.1/61


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13619.845+/-3.699 χ²/NDF: 746985.9/15
Left Out: 8979.147+/-1.916 χ²/NDF:295874.3/13
Right Out: 14549.658+/-3.844 χ²/NDF: 555902.2/18
Left In: 9094.299+/-1.957 χ²/NDF:246393.7/12
Left: 9035.501+/-1.369 χ²/NDF: 544036.3/26
Right: 14066.907+/-2.665 χ²/NDF: 1333265.9/34
In: 10083.786+/-1.730 χ²/NDF:2162839.0/28
Out: 10087.425+/-1.715 χ²/NDF:2534013.1/32
All: 10085.622+/-1.218 χ²/NDF: 4696854.3/6



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.164+/-0.128 χ^2/NDF:7.6/13

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.124+/-0.130 χ^2/NDF:11.0/12

Left: -0.022+/-0.091 χ^2/NDF: 21.1/26

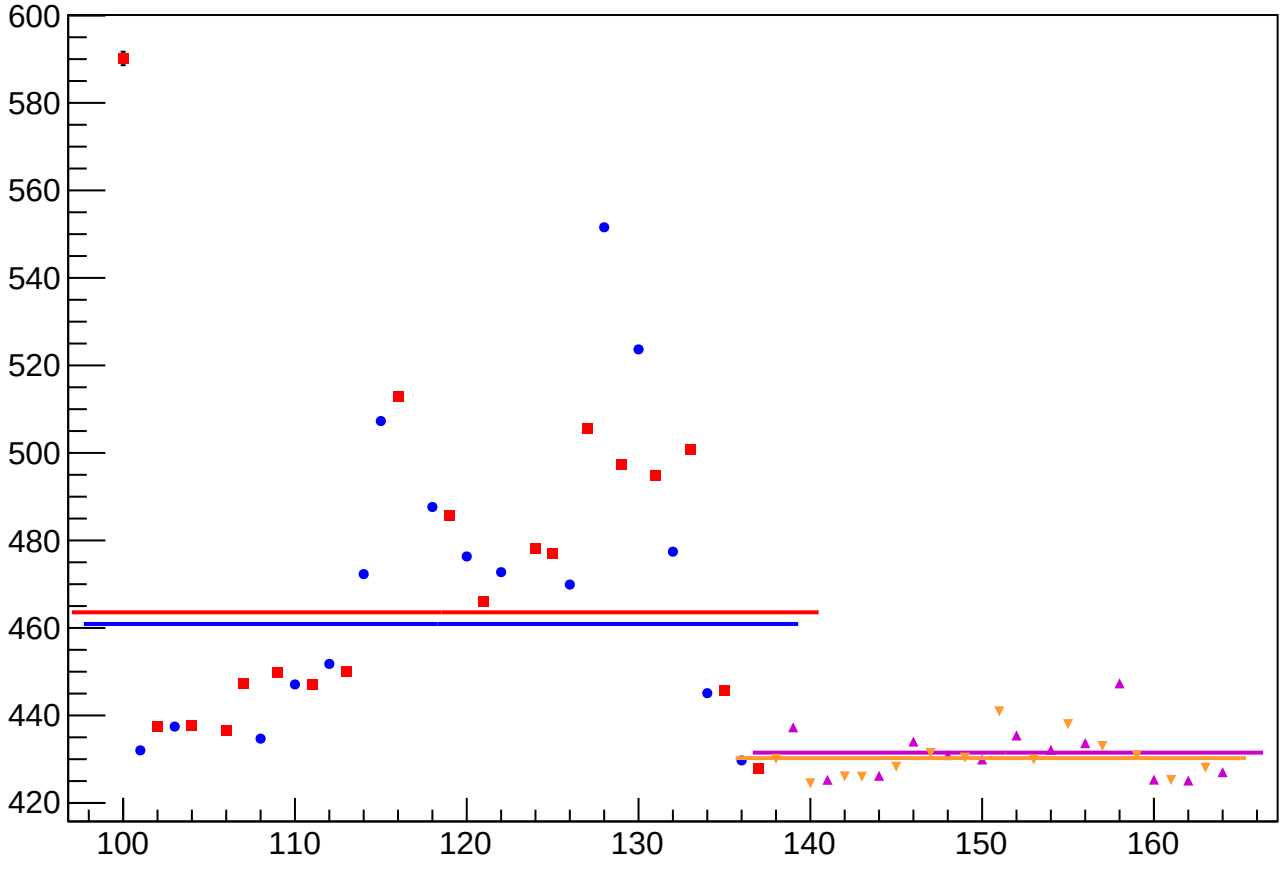
Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.118+/-0.104 χ^2/NDF:24.7/28

Out: -0.042+/-0.102 χ^2/NDF:24.2/32

All: 0.037+/-0.073 χ^2/NDF: 50.1/61

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.257+/-0.091 χ^2/NDF:2464.3/13

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 431.503+/-0.092 χ^2/NDF:4280.0/12

Left: 430.871+/-0.065 χ^2/NDF: 6836.9/26

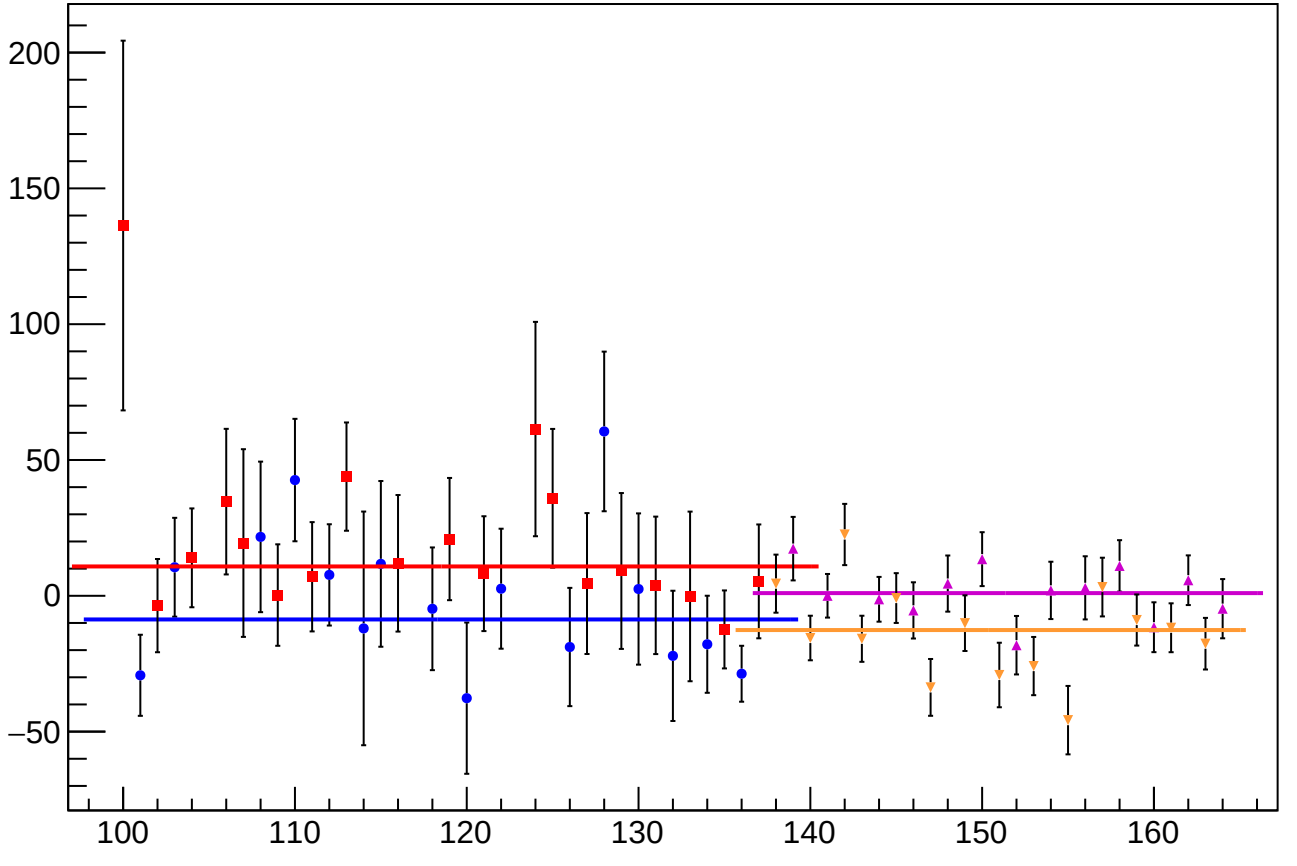
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 442.246+/-0.073 χ^2/NDF:116428.9/28

Out: 442.421+/-0.072 χ^2/NDF:103733.5/32

All: 442.335+/-0.052 χ^2/NDF: 220165.2/61

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -12.611+/-2.660 χ^2/NDF:31.3/13

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 0.991+/-2.724 χ^2/NDF:10.9/12

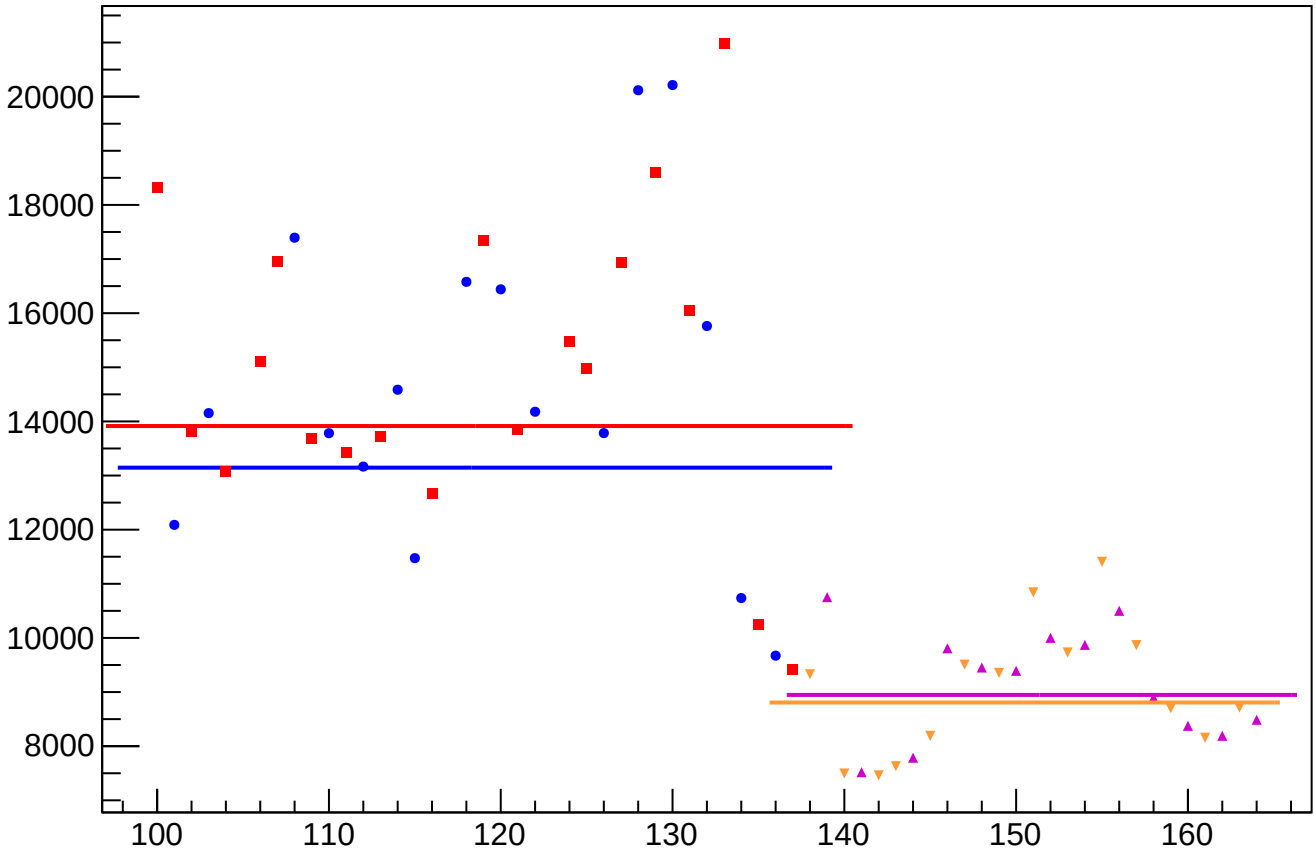
Left: -5.971+/-1.903 χ^2/NDF: 55.0/26

Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -1.204+/-2.396 χ^2/NDF:36.0/28

Out: -7.741+/-2.367 χ^2/NDF:61.3/32

All: -4.512+/-1.684 χ^2/NDF: 101.1/61



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8807.256+/-1.881 χ^2/NDF:335468.2/13

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 8947.253+/-1.926 χ^2/NDF:268513.2/12

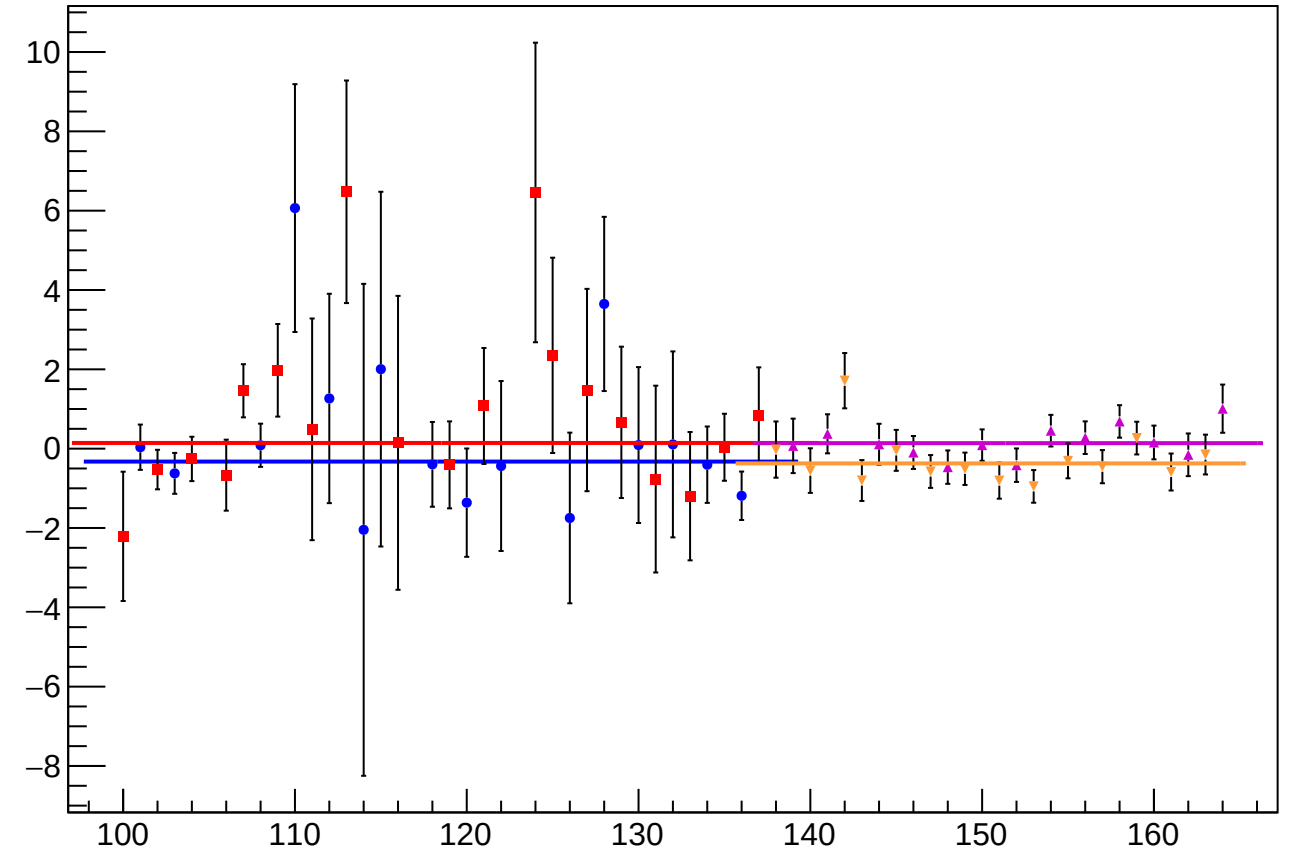
Left: 8875.591+/-1.346 χ^2/NDF: 606685.6/26

Right: 13518.600+/-2.556 χ^2/NDF: 1216225.3/34

In: 9897.654+/-1.694 χ^2/NDF:2026729.7/28

Out: 9869.266+/-1.674 χ^2/NDF:2379735.1/32

All: 9883.290+/-1.191 χ^2/NDF: 4406606.9/61



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.372+/-0.126 χ^2/NDF:16.5/13

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.139+/-0.126 χ^2/NDF:9.2/12

Left: -0.115+/-0.089 χ^2/NDF: 34.0/26

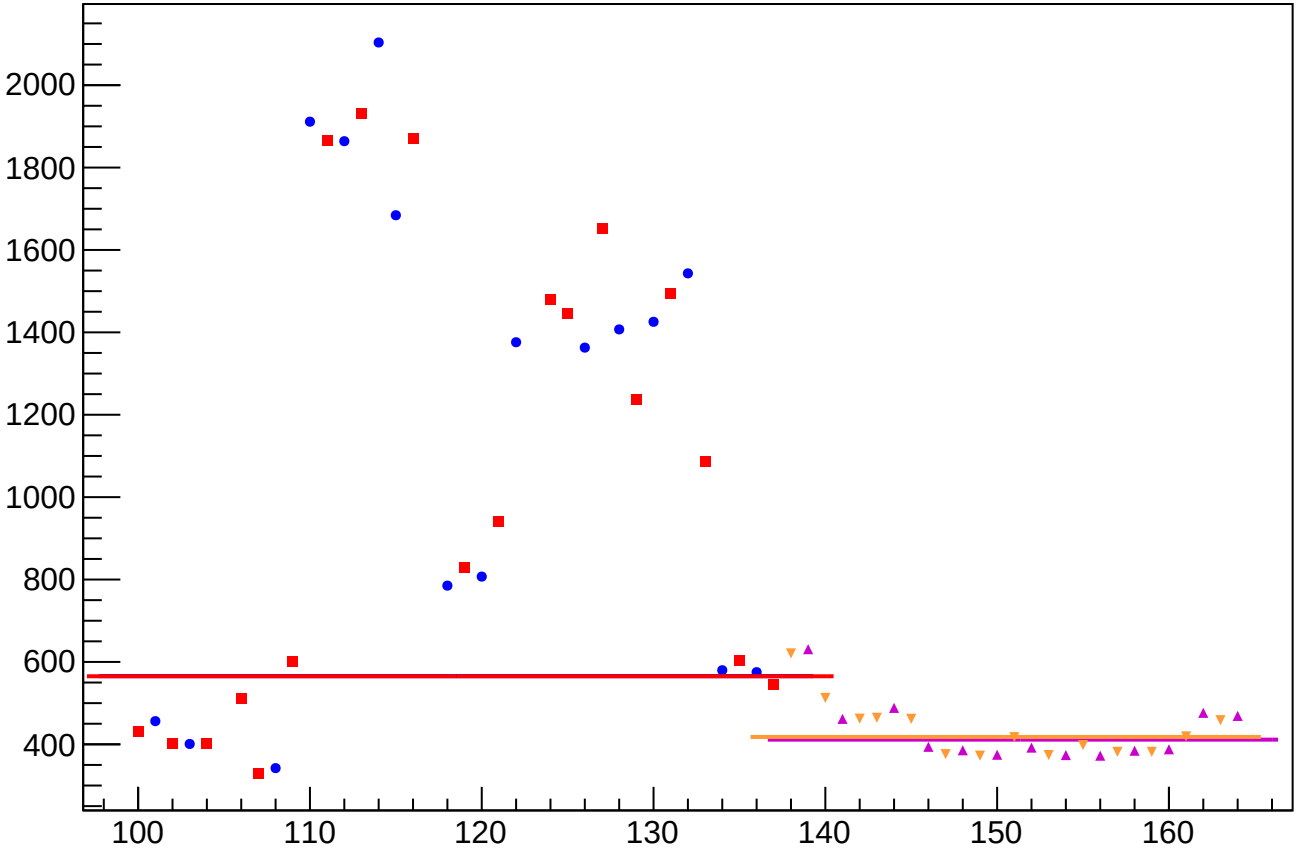
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.042+/-0.112 χ^2/NDF:24.7/28

Out: -0.263+/-0.112 χ^2/NDF:42.5/32

All: -0.110+/-0.079 χ^2/NDF: 70.9/61

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 417.936+/-0.089 χ^2/NDF:374949.1/13

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 411.385+/-0.089 χ^2/NDF:399961.0/12

Left: 414.645+/-0.063 χ^2/NDF: 777613.4/26

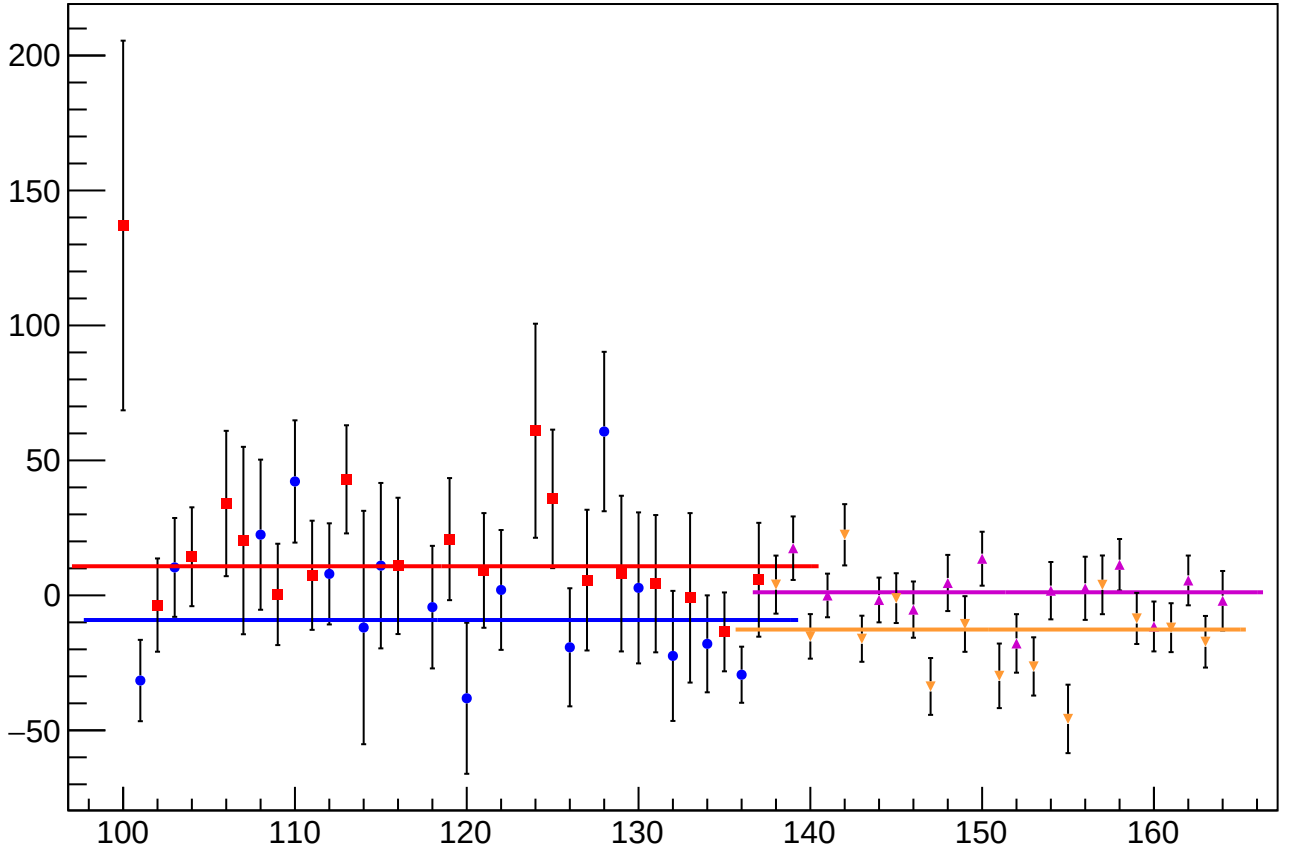
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 443.682+/-0.079 χ^2/NDF:4480808.0/28

Out: 448.987+/-0.079 χ^2/NDF:4519955.6/32

All: 446.324+/-0.056 χ^2/NDF: 9003008.4/61

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -12.660+/-2.677 χ^2/NDF:31.1/13

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 1.143+/-2.743 χ^2/NDF:10.5/12

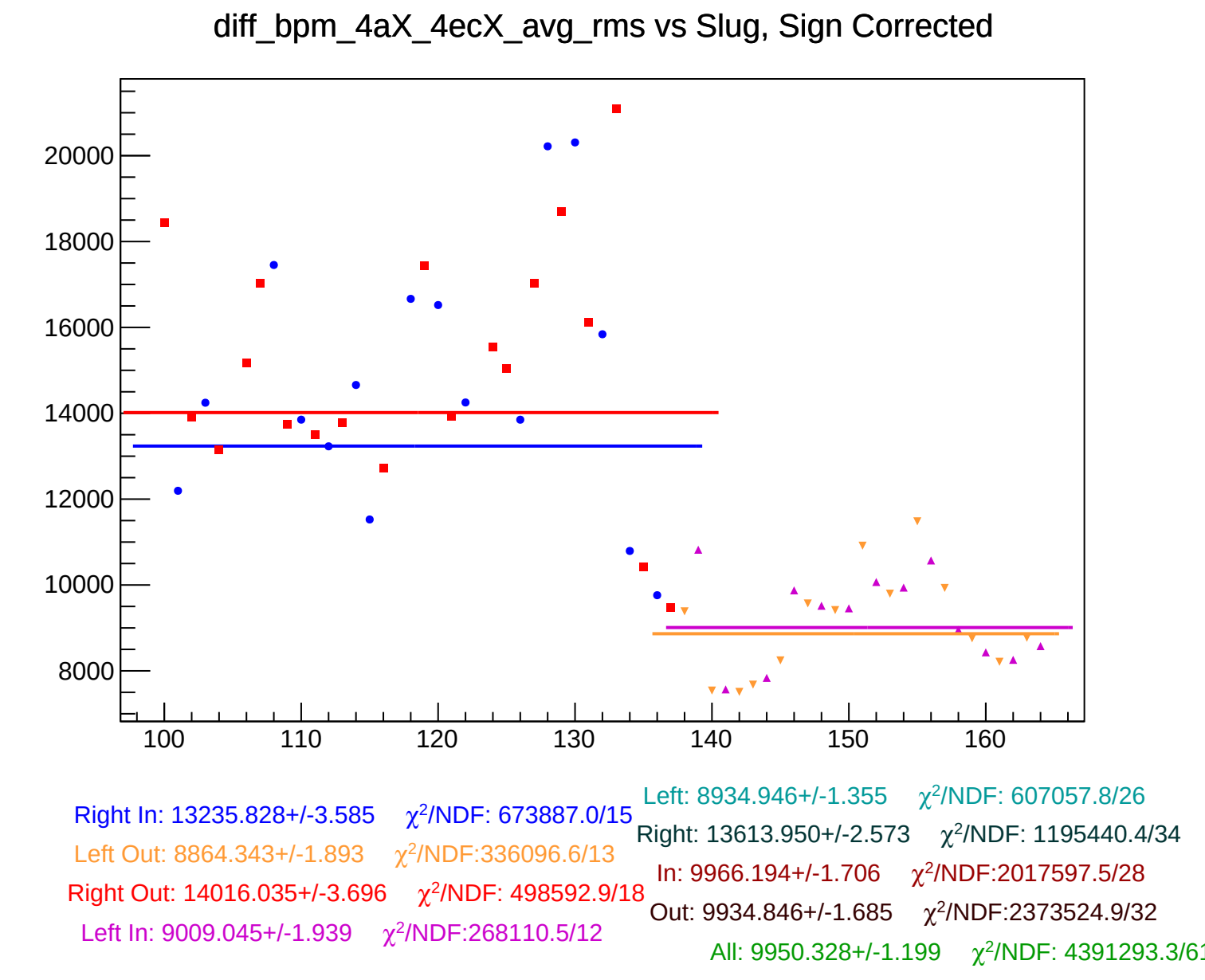
Left: -5.925+/-1.916 χ^2/NDF: 54.6/26

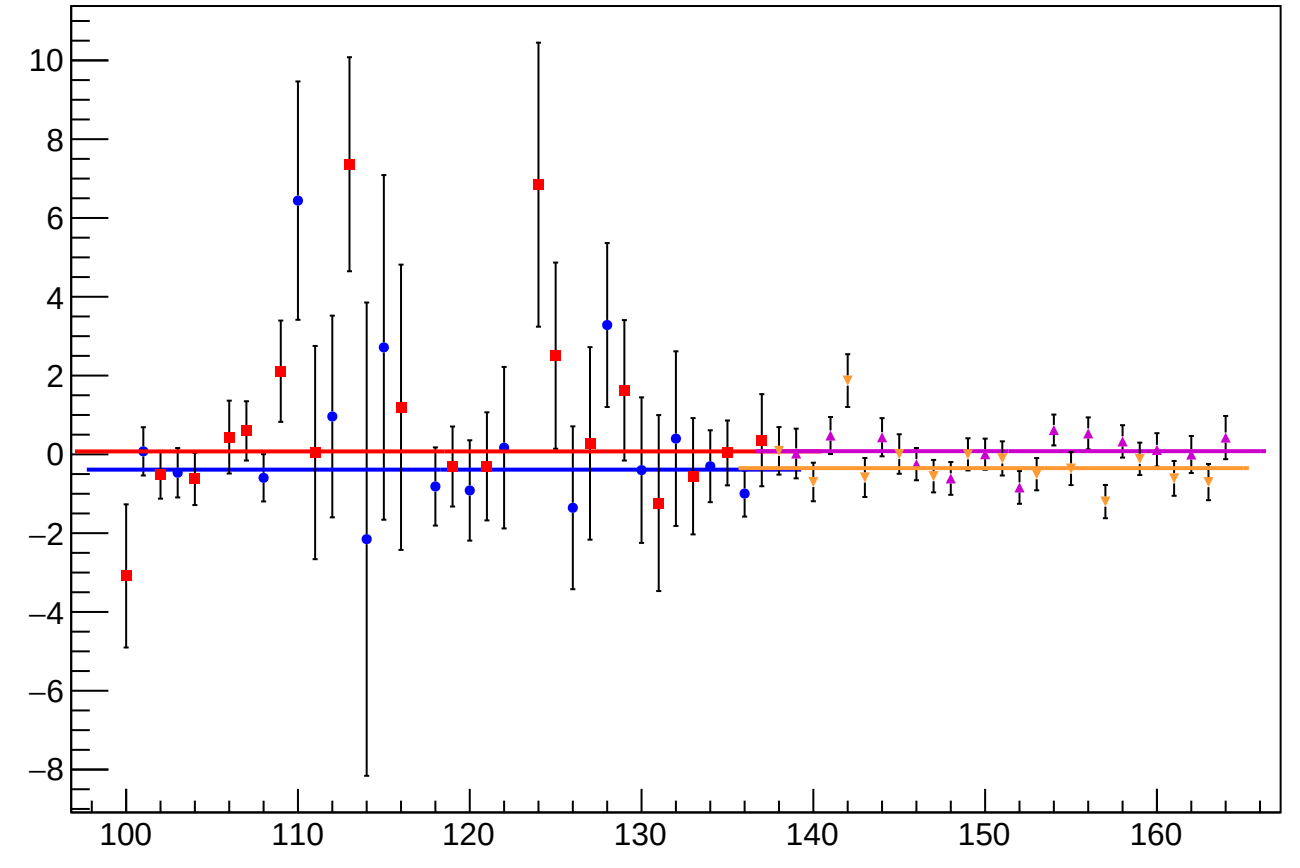
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: -1.183+/-2.412 χ^2/NDF:36.4/28

Out: -7.788+/-2.383 χ^2/NDF:60.7/32

All: -4.526+/-1.695 χ^2/NDF: 100.9/61


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8864.343+/-1.893 χ²/NDF:336096.6/13
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 9009.045+/-1.939 χ²/NDF:268110.5/12
Left: 8934.946+/-1.355 χ²/NDF: 607057.8/26
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9966.194+/-1.706 χ²/NDF:2017597.5/28
Out: 9934.846+/-1.685 χ²/NDF:2373524.9/32
All: 9950.328+/-1.199 χ²/NDF: 4391293.3/61



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.349+/-0.122 χ^2/NDF:19.6/13

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.081+/-0.122 χ^2/NDF:13.5/12

Left: -0.135+/-0.086 χ^2/NDF: 39.3/26

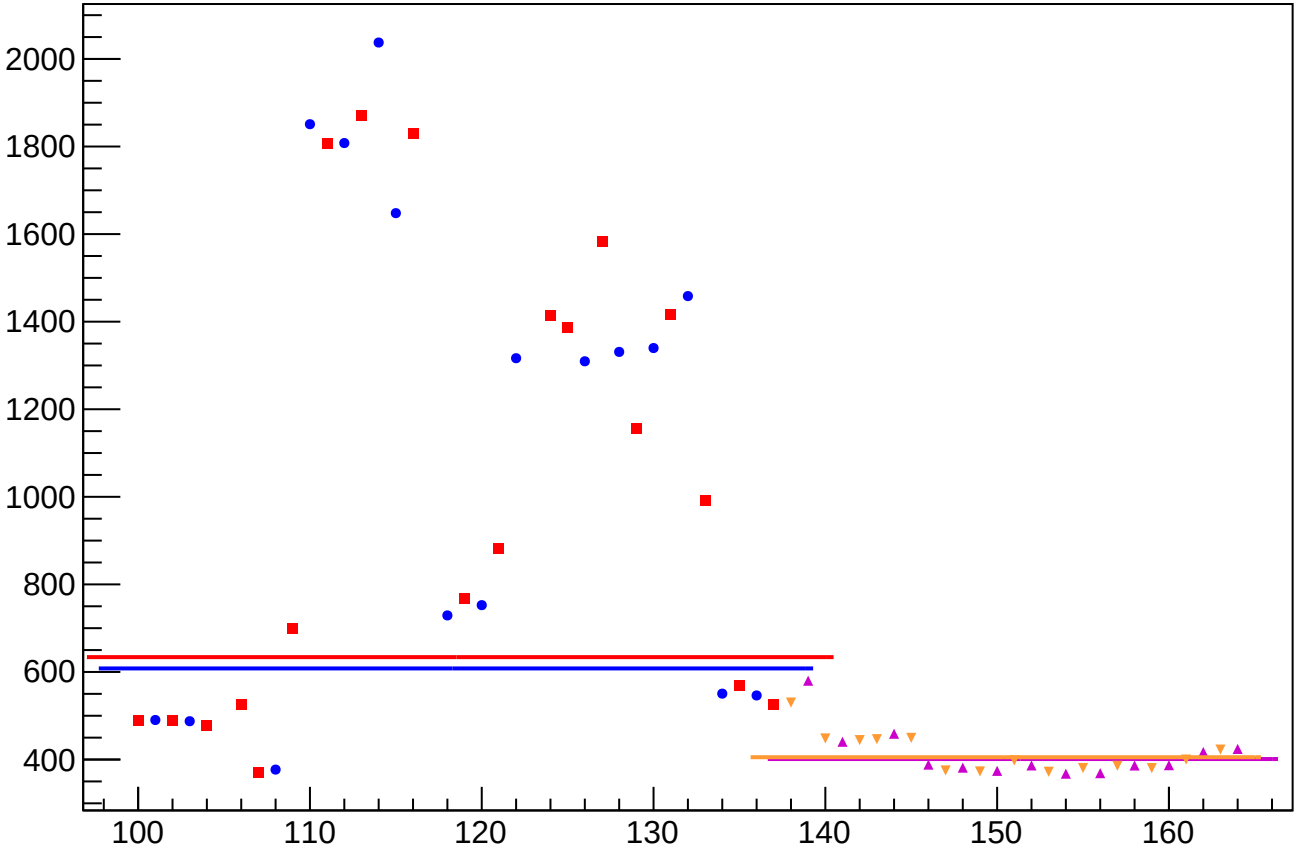
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.006+/-0.110 χ^2/NDF:27.9/28

Out: -0.275+/-0.111 χ^2/NDF:43.4/32

All: -0.140+/-0.078 χ^2/NDF: 74.3/61

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 405.279+/-0.086 χ^2/NDF:196036.4/13

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 401.148+/-0.086 χ^2/NDF:259579.4/12

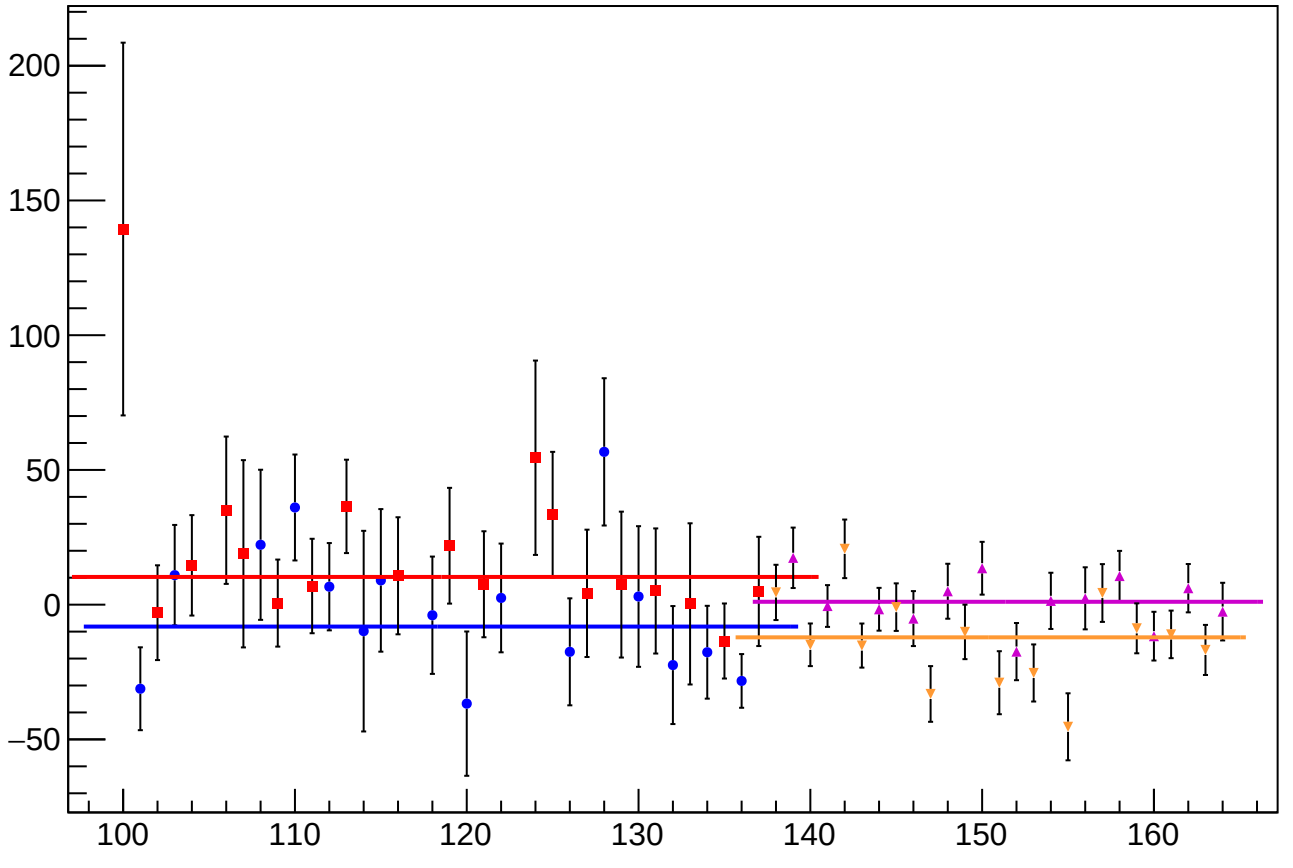
Left: 403.219+/-0.061 χ^2/NDF: 456764.3/26

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 439.541+/-0.078 χ^2/NDF:4178920.5/28

Out: 445.235+/-0.078 χ^2/NDF:4217155.4/32

All: 442.377+/-0.055 χ^2/NDF: 8398737.4/61



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -12.127+/-2.596 χ^2/NDF:31.3/13

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 1.070+/-2.667 χ^2/NDF:10.9/12

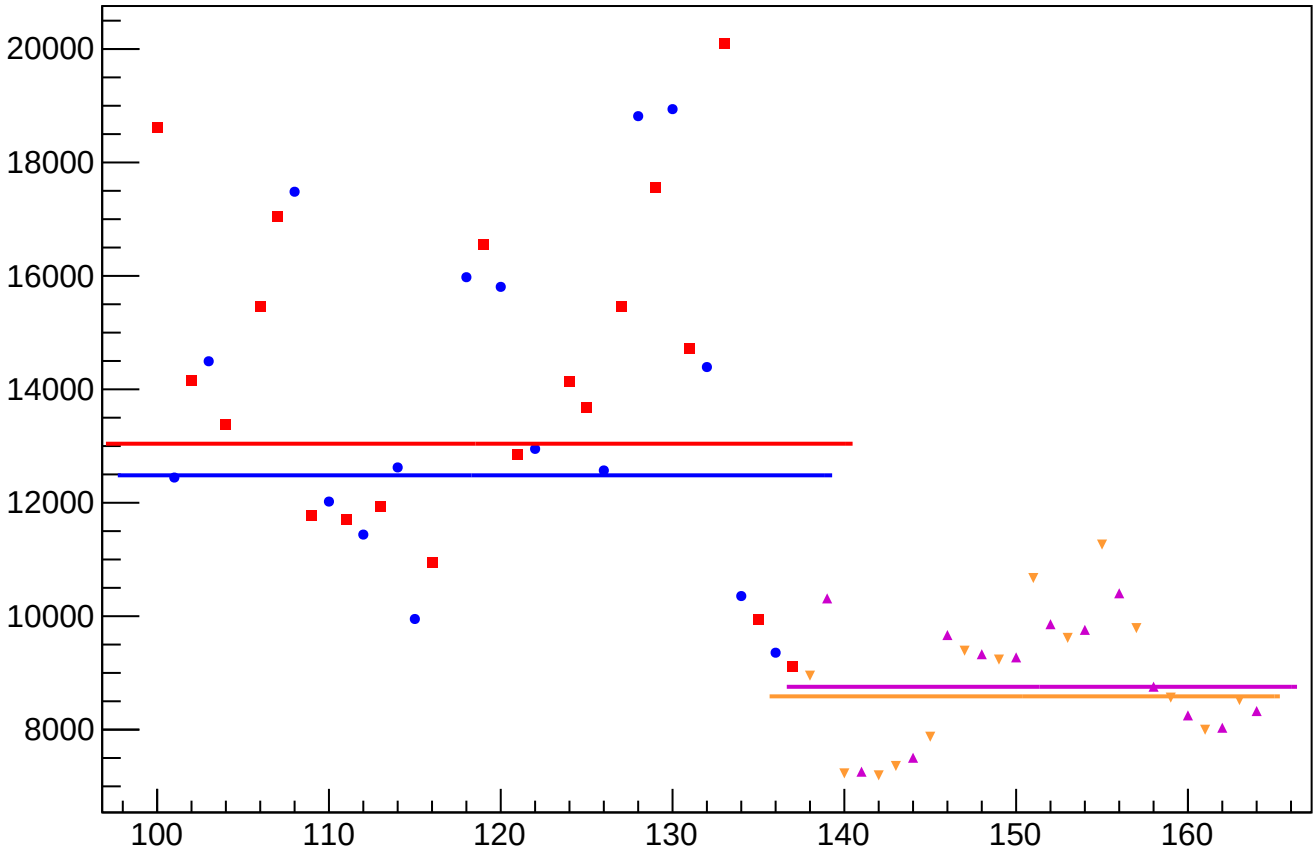
Left: -5.706+/-1.860 χ^2/NDF: 54.8/26

Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -1.116+/-2.329 χ^2/NDF:36.9/28

Out: -7.171+/-2.291 χ^2/NDF:61.5/32

All: -4.193+/-1.633 χ^2/NDF: 101.8/61



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8586.741+/-1.836 χ^2/NDF:382092.8/13

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8755.284+/-1.886 χ^2/NDF:294291.1/12

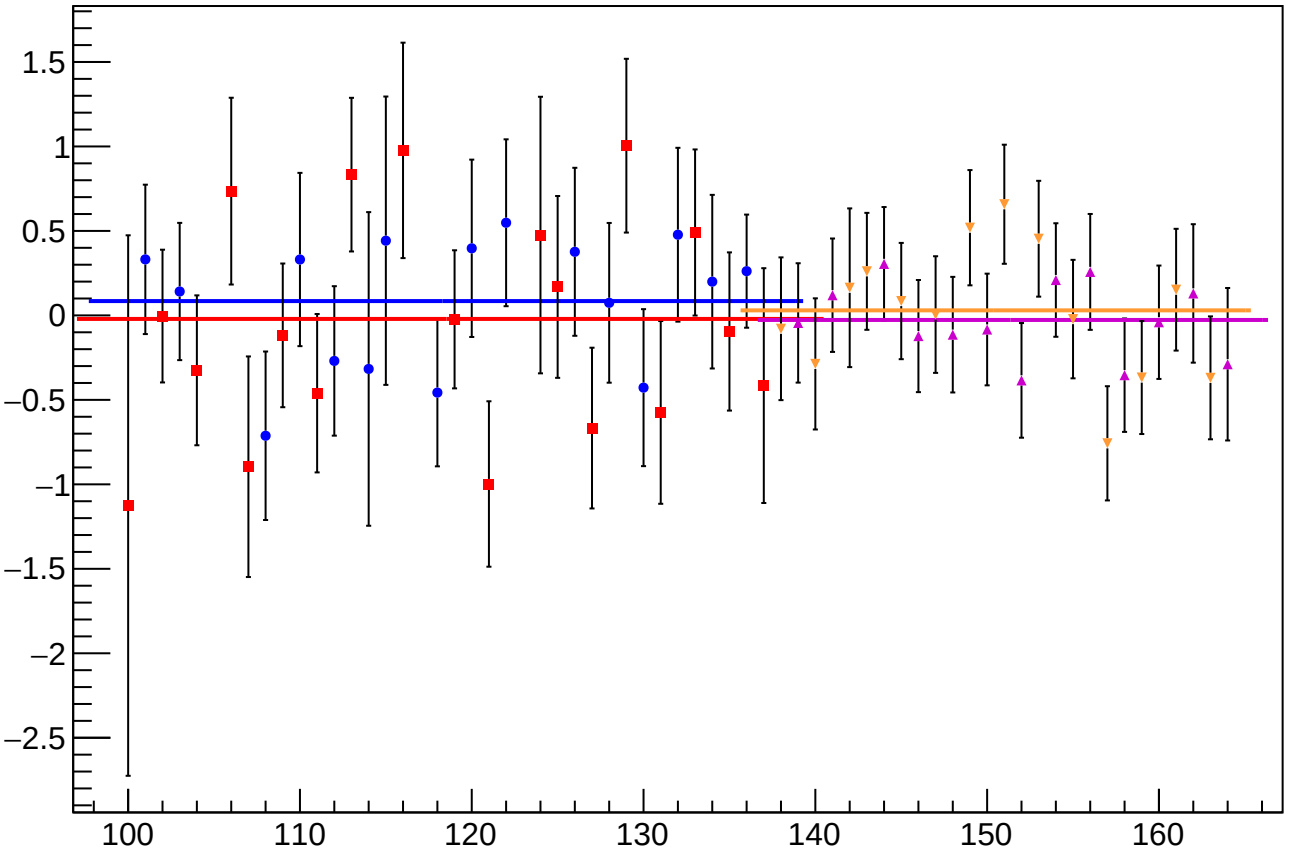
Left: 8668.749+/-1.315 χ^2/NDF: 680484.8/26

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 9640.747+/-1.647 χ^2/NDF:1894181.6/28

Out: 9571.532+/-1.620 χ^2/NDF:2228123.8/32

All: 9605.578+/-1.155 χ^2/NDF: 4123203.1/61



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.030+/-0.096 χ^2/NDF:16.2/13

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.027+/-0.097 χ^2/NDF:5.1/12

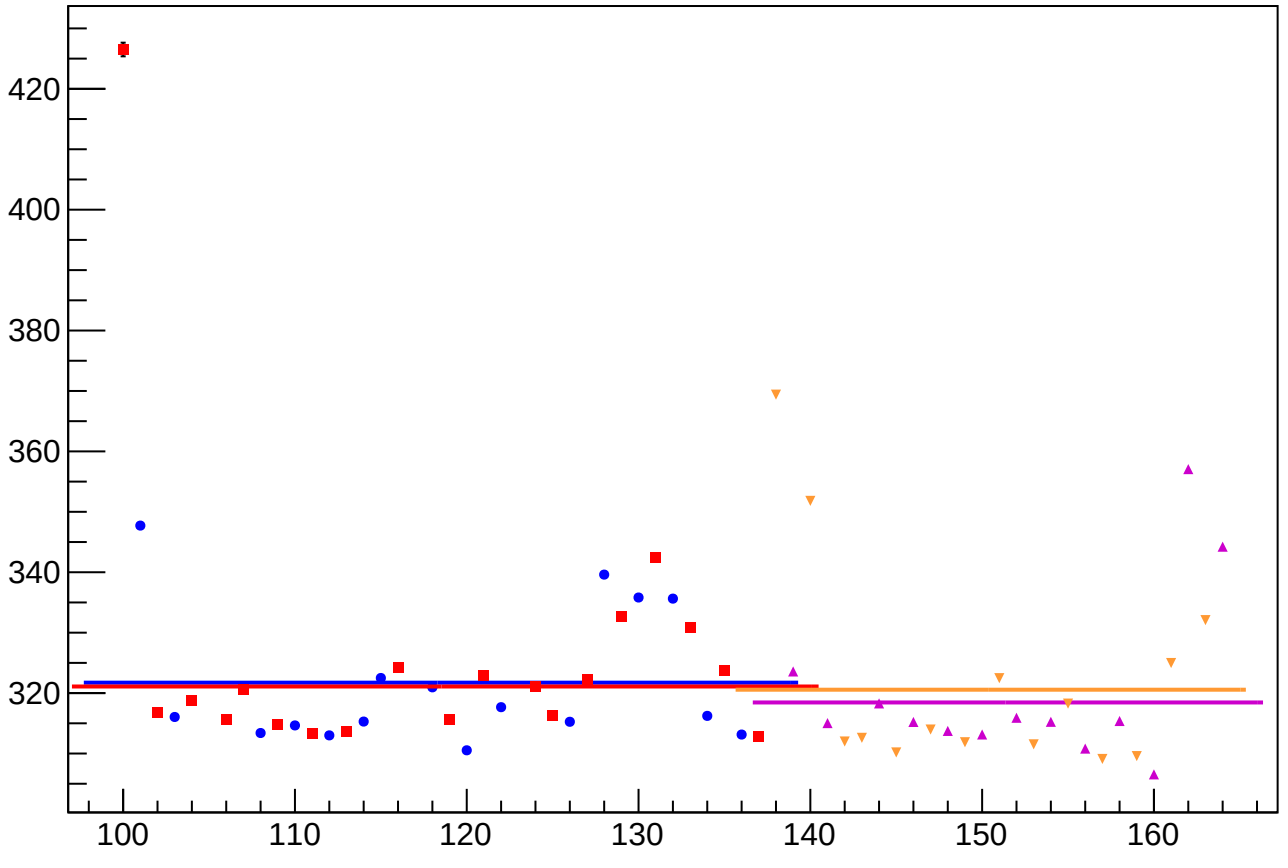
Left: 0.002+/-0.068 χ^2/NDF: 21.5/26

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.017+/-0.075 χ^2/NDF:15.0/28

Out: 0.009+/-0.074 χ^2/NDF:40.6/32

All: 0.013+/-0.053 χ^2/NDF: 55.6/61



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 320.561+/-0.068 χ^2/NDF:53553.1/13

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 318.450+/-0.068 χ^2/NDF:29966.3/12

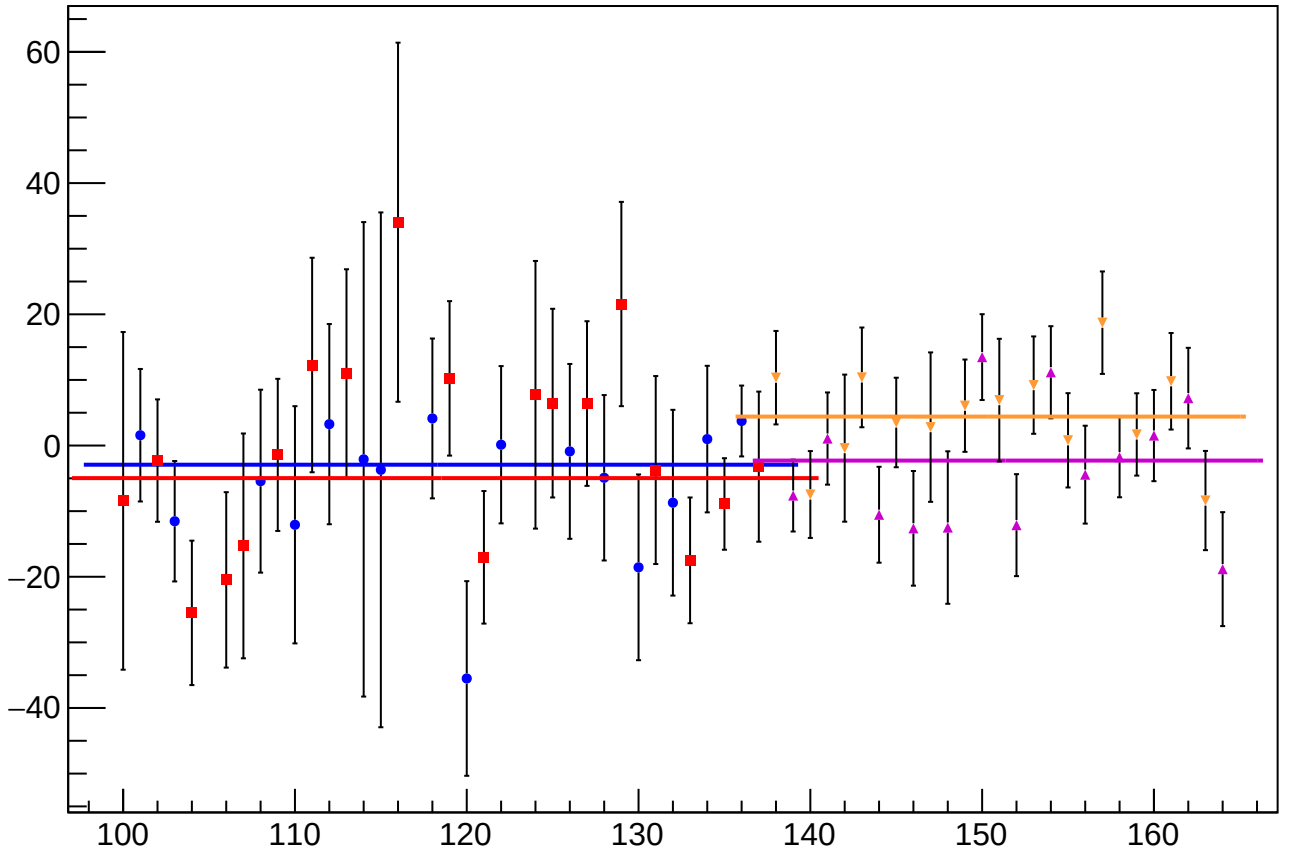
Left: 319.511+/-0.048 χ^2/NDF: 83999.0/26

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 319.737+/-0.053 χ^2/NDF:49084.6/28

Out: 320.774+/-0.053 χ^2/NDF:70156.9/32

All: 320.262+/-0.037 χ^2/NDF: 119433.6/61



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 4.413+/-2.025 χ^2/NDF:12.5/13

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -2.292+/-2.005 χ^2/NDF:21.3/12

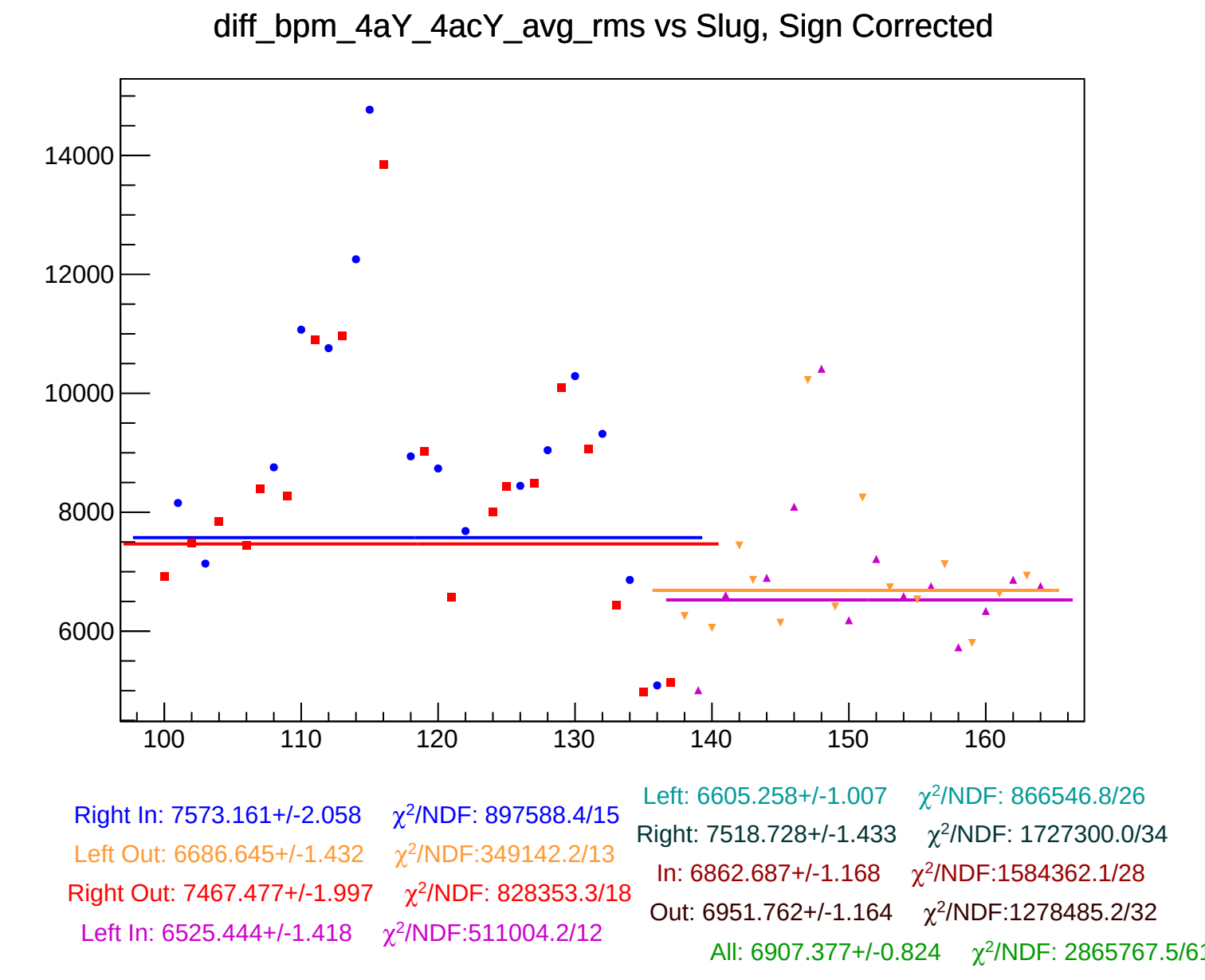
Left: 1.028+/-1.425 χ^2/NDF: 39.3/26

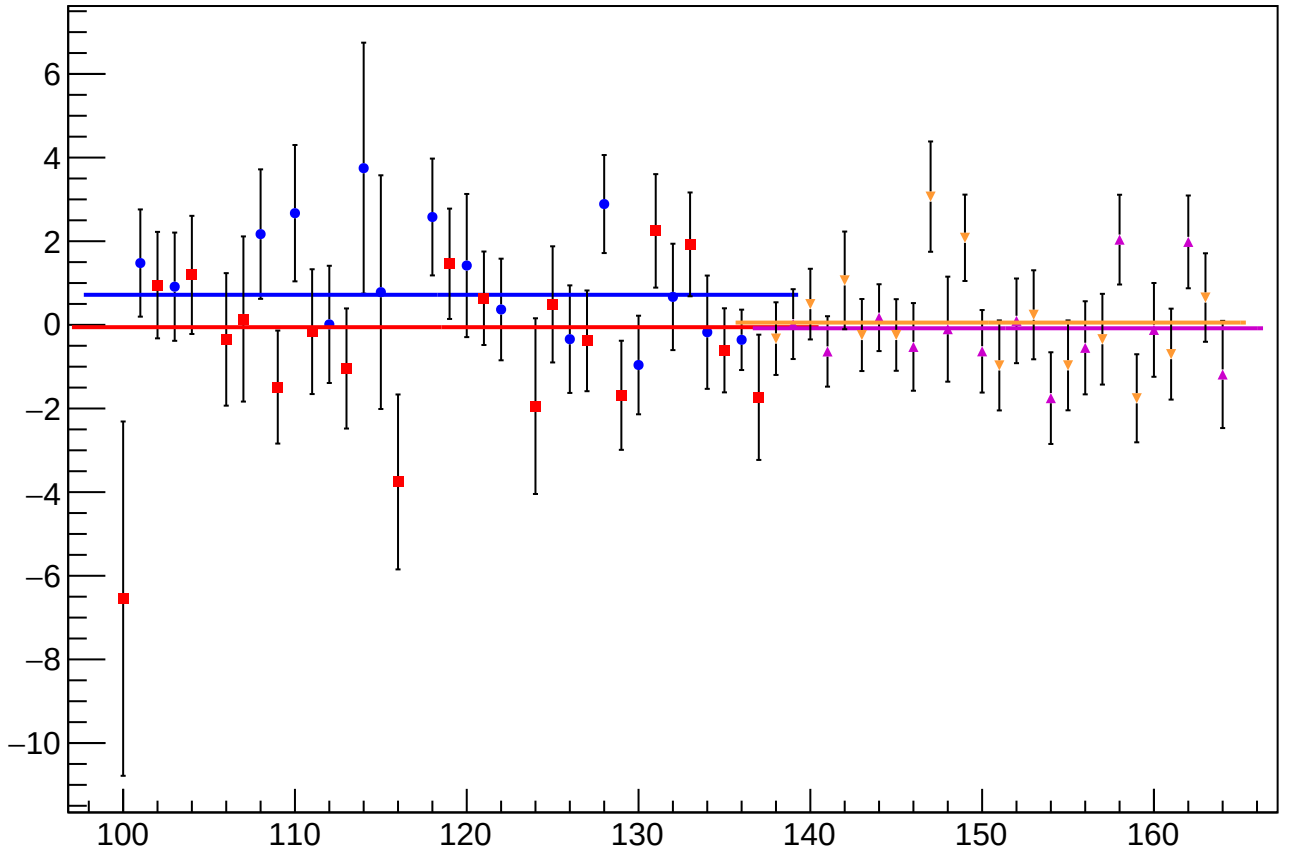
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -2.495+/-1.651 χ^2/NDF:31.1/28

Out: 1.228+/-1.646 χ^2/NDF:39.2/32

All: -0.627+/-1.166 χ^2/NDF: 72.9/61


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6686.645+/-1.432 χ²/NDF:349142.2/13
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6525.444+/-1.418 χ²/NDF:511004.2/12
Left: 6605.258+/-1.007 χ²/NDF: 866546.8/26
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6862.687+/-1.168 χ²/NDF:1584362.1/28
Out: 6951.762+/-1.164 χ²/NDF:1278485.2/32
All: 6907.377+/-0.824 χ²/NDF: 2865767.5/61



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.054+/-0.269 χ^2/NDF:16.3/13

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.082+/-0.281 χ^2/NDF:11.7/12

Left: -0.011+/-0.194 χ^2/NDF: 28.1/26

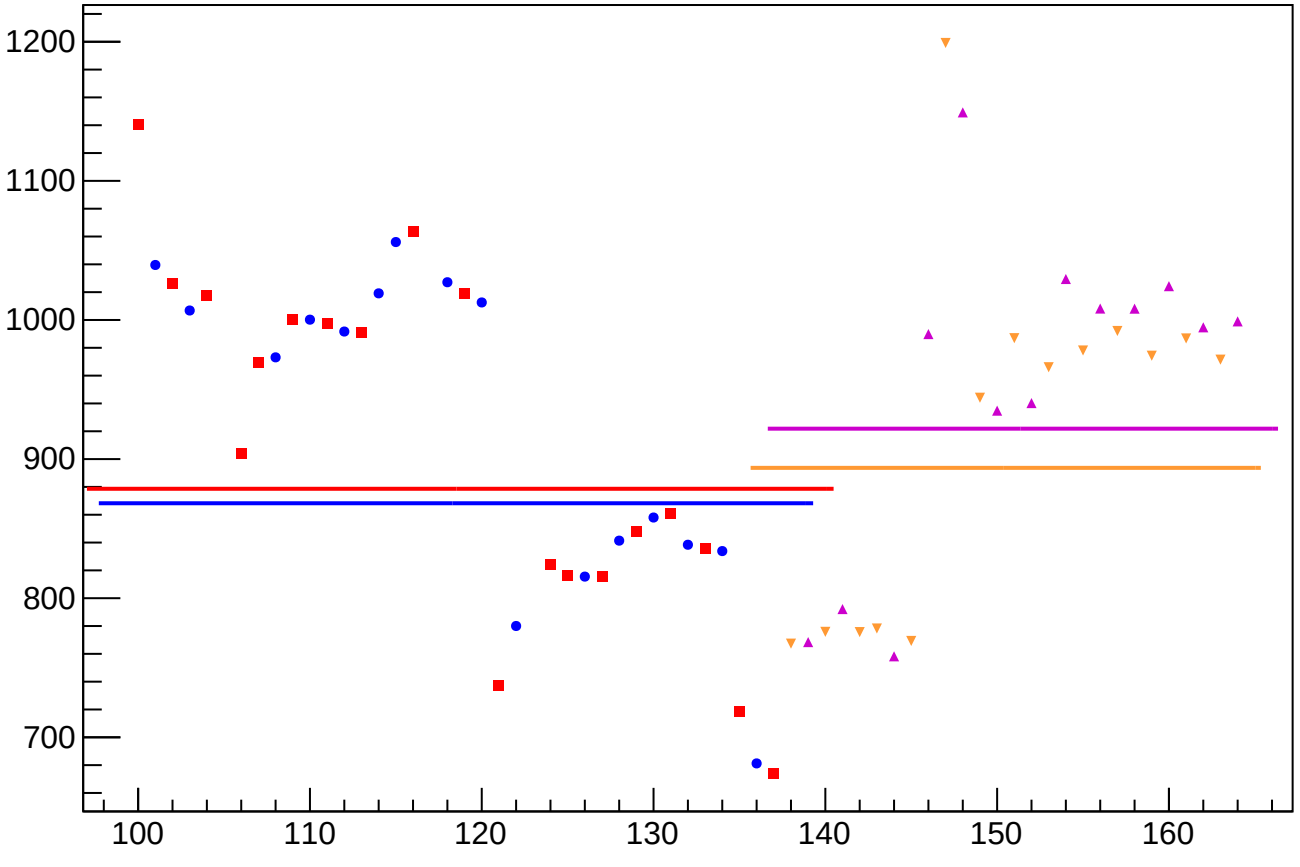
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.259+/-0.213 χ^2/NDF:29.9/28

Out: 0.009+/-0.207 χ^2/NDF:36.1/32

All: 0.131+/-0.148 χ^2/NDF: 66.8/61

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 893.699+/-0.190 χ^2/NDF:382110.7/13

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 921.864+/-0.199 χ^2/NDF:350582.0/12

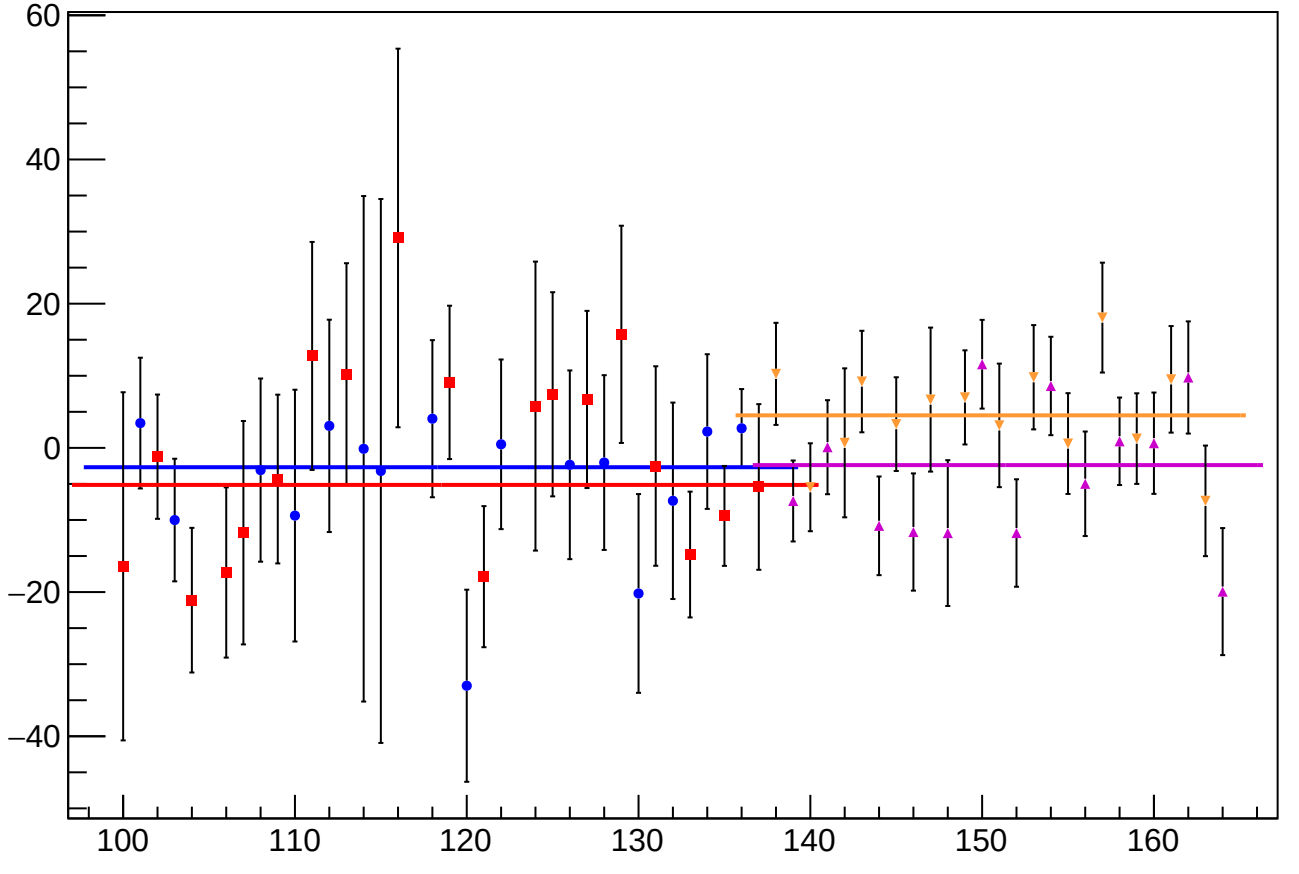
Left: 907.193+/-0.137 χ^2/NDF: 743171.8/26

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 899.022+/-0.150 χ^2/NDF:684049.6/28

Out: 887.539+/-0.146 χ^2/NDF:657196.4/32

All: 893.122+/-0.105 χ^2/NDF: 1344239.9/61



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.514+/-1.944 χ^2/NDF:11.3/13

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -2.389+/-1.949 χ^2/NDF:21.0/12

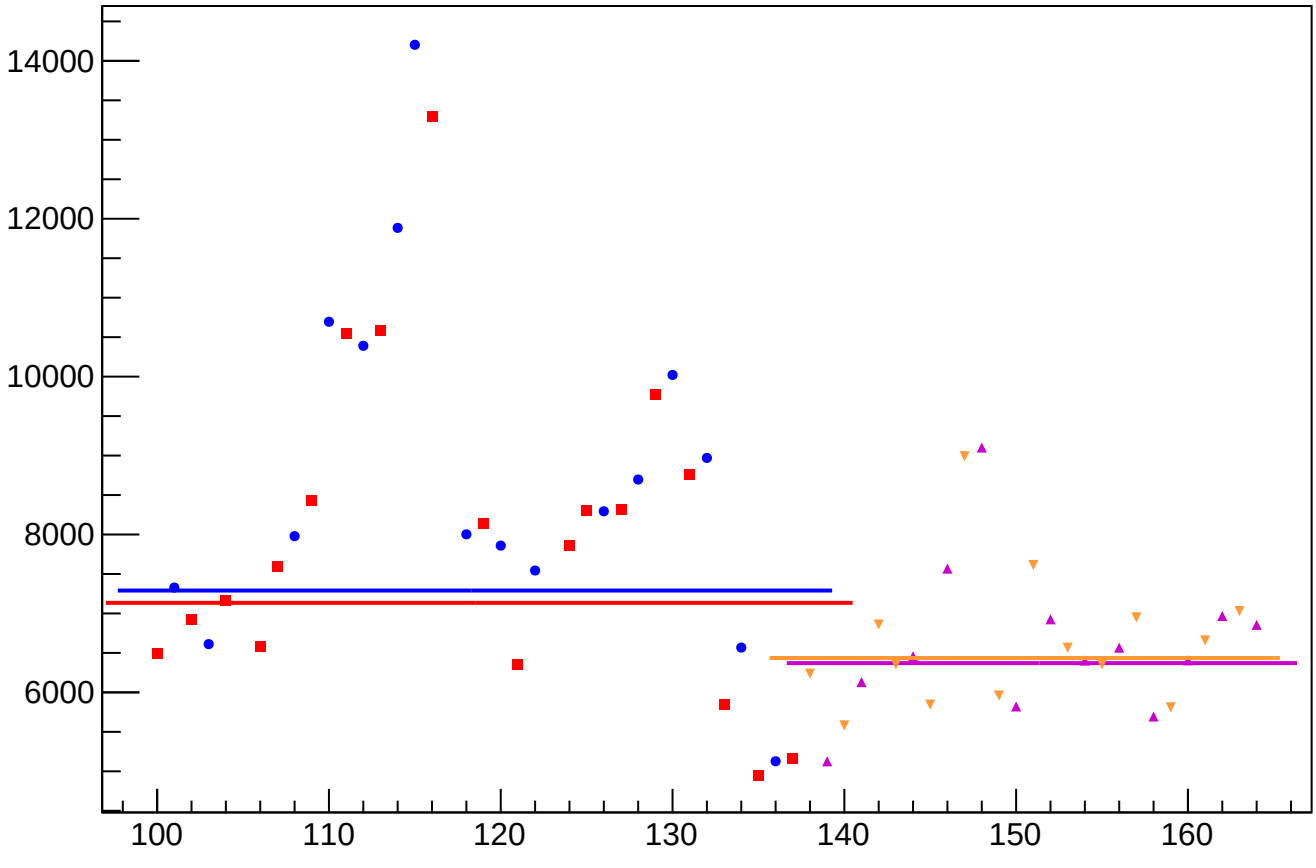
Left: 1.072+/-1.376 χ^2/NDF: 38.6/26

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -2.486+/-1.597 χ^2/NDF:31.1/28

Out: 1.207+/-1.576 χ^2/NDF:37.0/32

All: -0.615+/-1.122 χ^2/NDF: 70.8/61



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6435.625+/-1.375 χ^2/NDF:283972.4/13

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6370.886+/-1.378 χ^2/NDF:361741.5/12

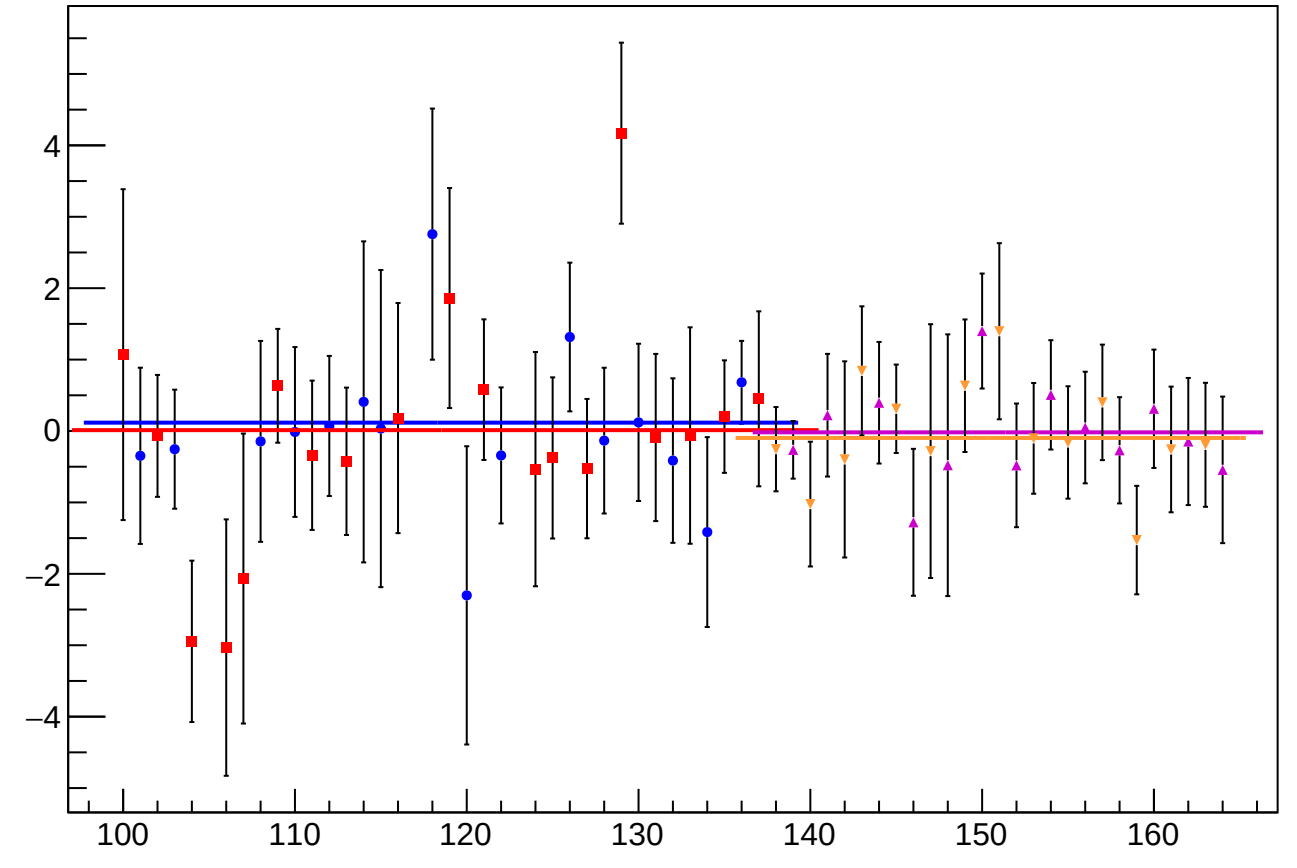
Left: 6403.341+/-0.973 χ^2/NDF: 646820.1/26

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6672.669+/-1.130 χ^2/NDF:1278330.4/28

Out: 6675.128+/-1.114 χ^2/NDF:1165339.5/32

All: 6673.915+/-0.793 χ^2/NDF: 2443672.3/61



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.097+/-0.224 χ^2/NDF:8.8/13

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.019+/-0.214 χ^2/NDF:6.7/12

Left: -0.056+/-0.155 χ^2/NDF: 15.6/26

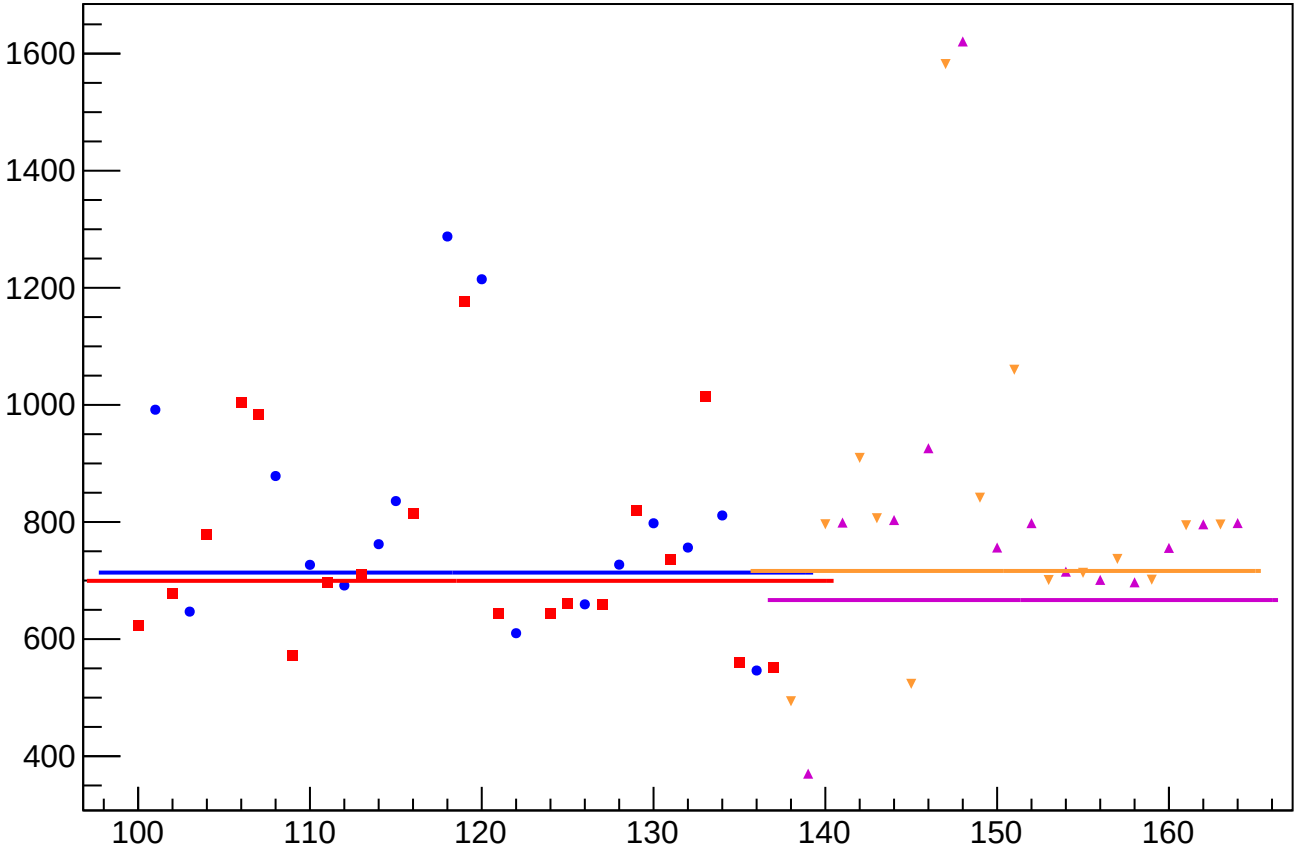
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.033+/-0.168 χ^2/NDF:14.9/28

Out: -0.051+/-0.171 χ^2/NDF:34.1/32

All: -0.008+/-0.120 χ^2/NDF: 49.2/61

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 716.398+/-0.159 χ^2/NDF:1256462.1/13

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 666.689+/-0.151 χ^2/NDF:2033721.2/12

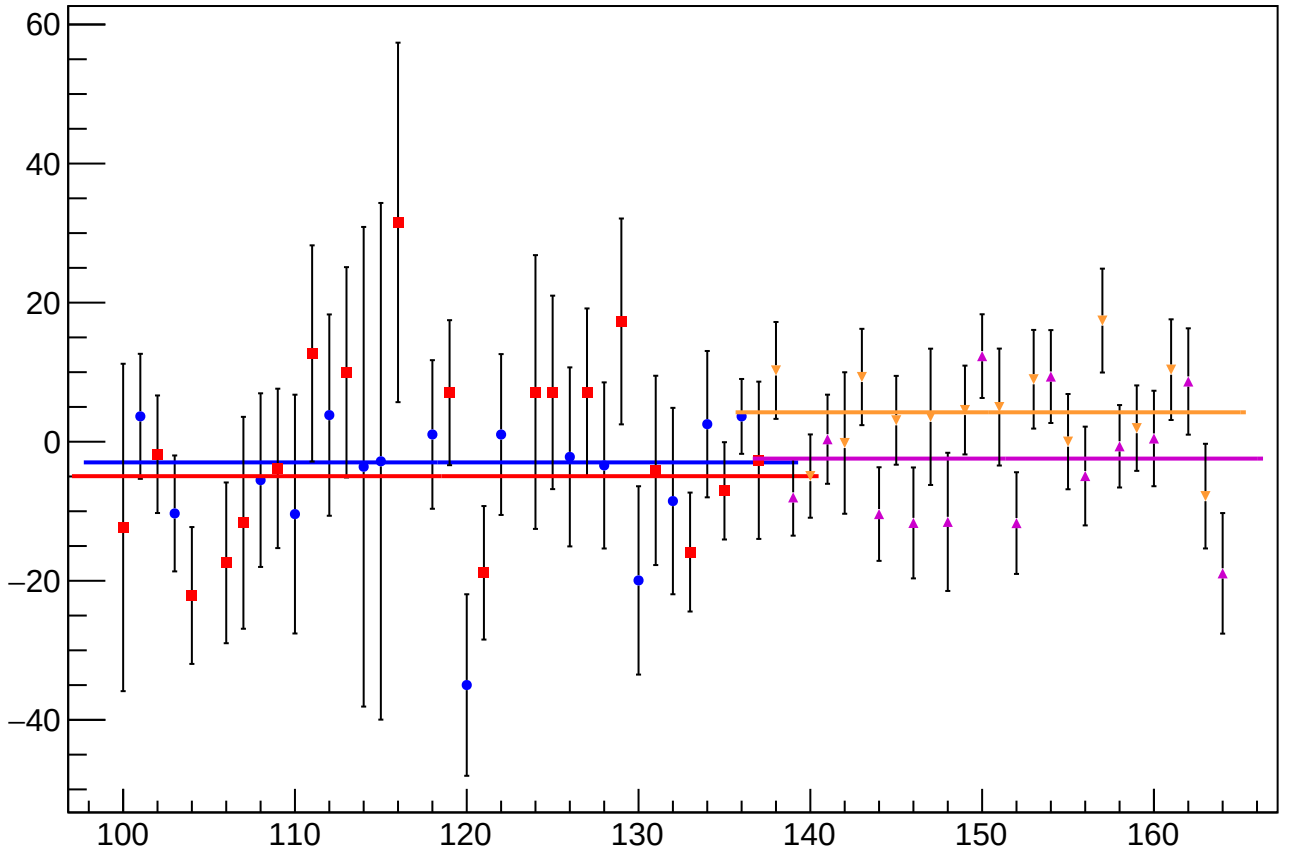
Left: 690.362+/-0.110 χ^2/NDF: 3341541.6/26

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 684.548+/-0.119 χ^2/NDF:2769610.2/28

Out: 709.283+/-0.121 χ^2/NDF:1836992.4/32

All: 696.747+/-0.085 χ^2/NDF: 4627859.0/61



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.230+/-1.907 χ^2/NDF:11.2/13

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -2.428+/-1.911 χ^2/NDF:21.6/12

Left: 0.907+/-1.350 χ^2/NDF: 39.0/26

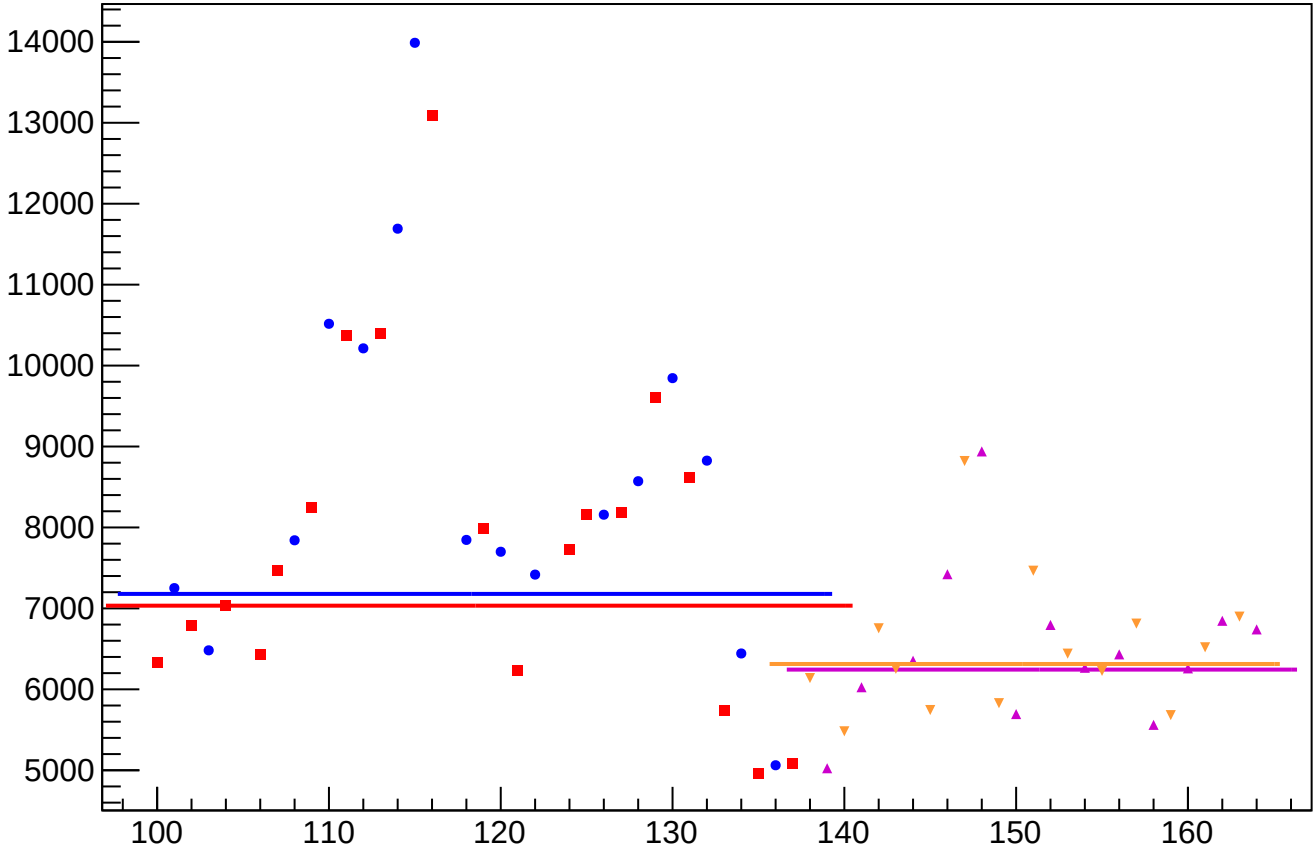
Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -2.606+/-1.568 χ^2/NDF:33.2/28

Out: 1.101+/-1.549 χ^2/NDF:37.6/32

All: -0.729+/-1.102 χ^2/NDF: 73.7/61

diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6313.108+/-1.349 χ^2/NDF:284361.3/13

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6243.637+/-1.351 χ^2/NDF:366839.8/12

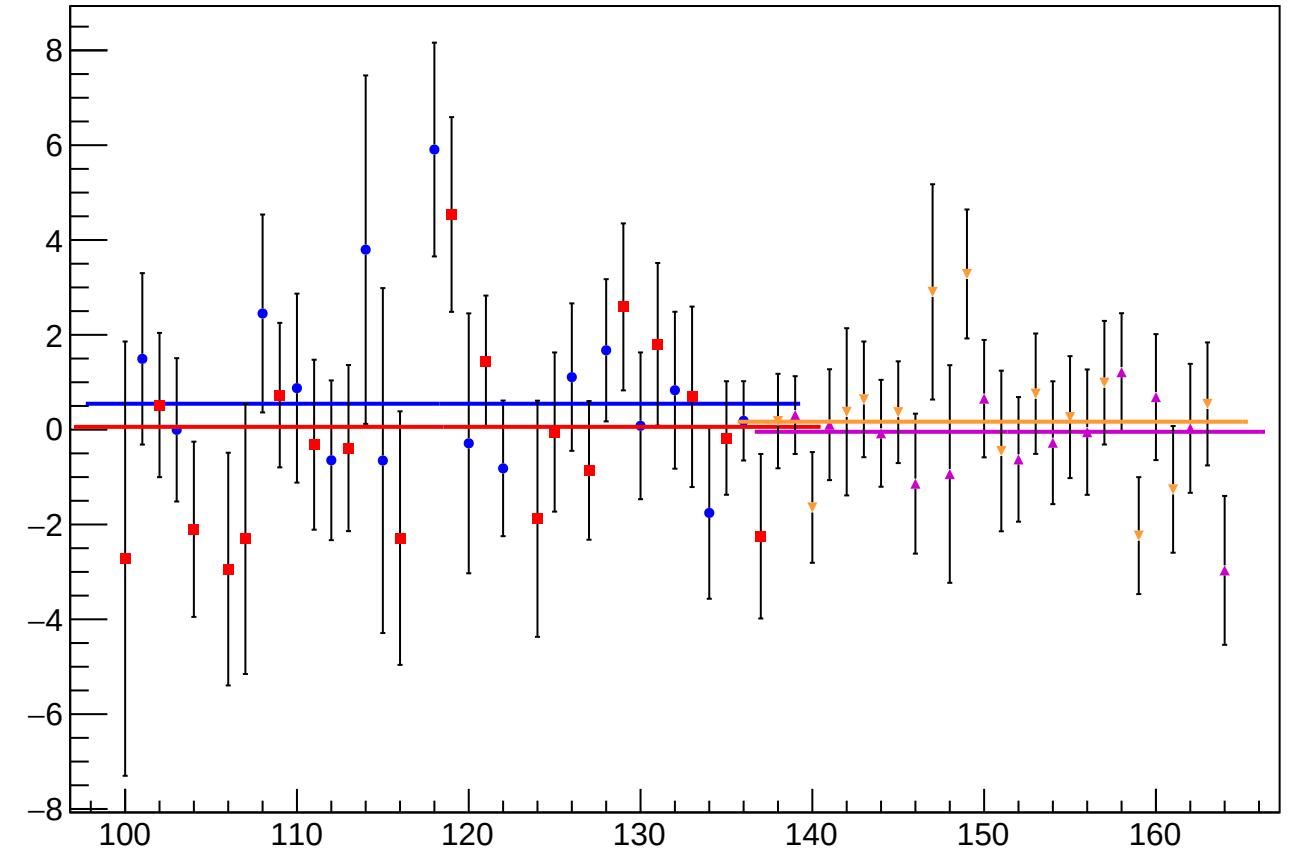
Left: 6278.436+/-0.954 χ^2/NDF: 652525.5/26

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6548.733+/-1.109 χ^2/NDF:1285102.0/28

Out: 6558.547+/-1.095 χ^2/NDF:1147973.5/32

All: 6553.702+/-0.779 χ^2/NDF: 2433115.2/61



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.168+/-0.347 χ^2/NDF:15.1/13

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.045+/-0.349 χ^2/NDF:6.2/12

Left: 0.062+/-0.246 χ^2/NDF: 21.5/26

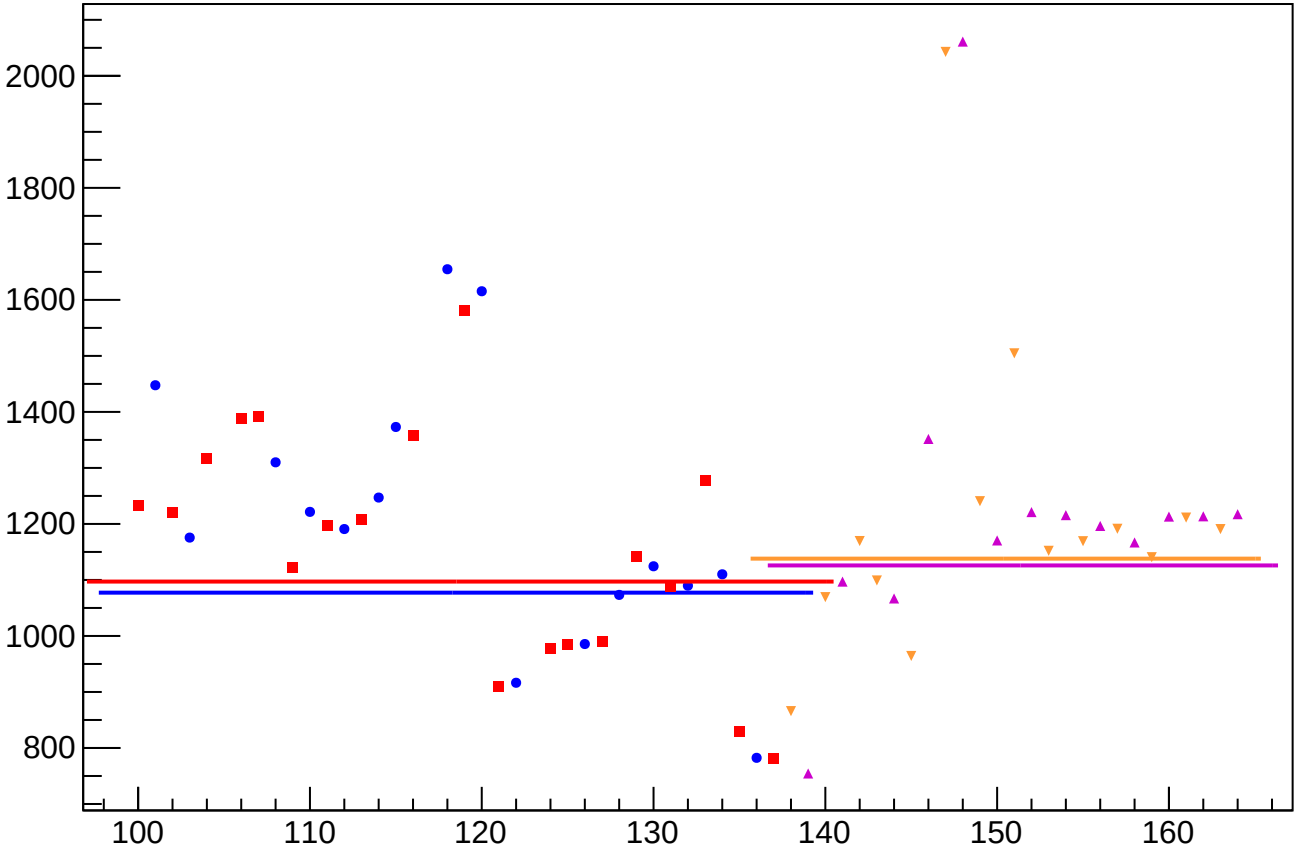
Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.203+/-0.266 χ^2/NDF:19.4/28

Out: 0.122+/-0.264 χ^2/NDF:32.0/32

All: 0.162+/-0.188 χ^2/NDF: 51.4/61

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1138.041+/-0.245 χ^2/NDF:648175.1/13

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1125.911+/-0.247 χ^2/NDF:850276.7/12

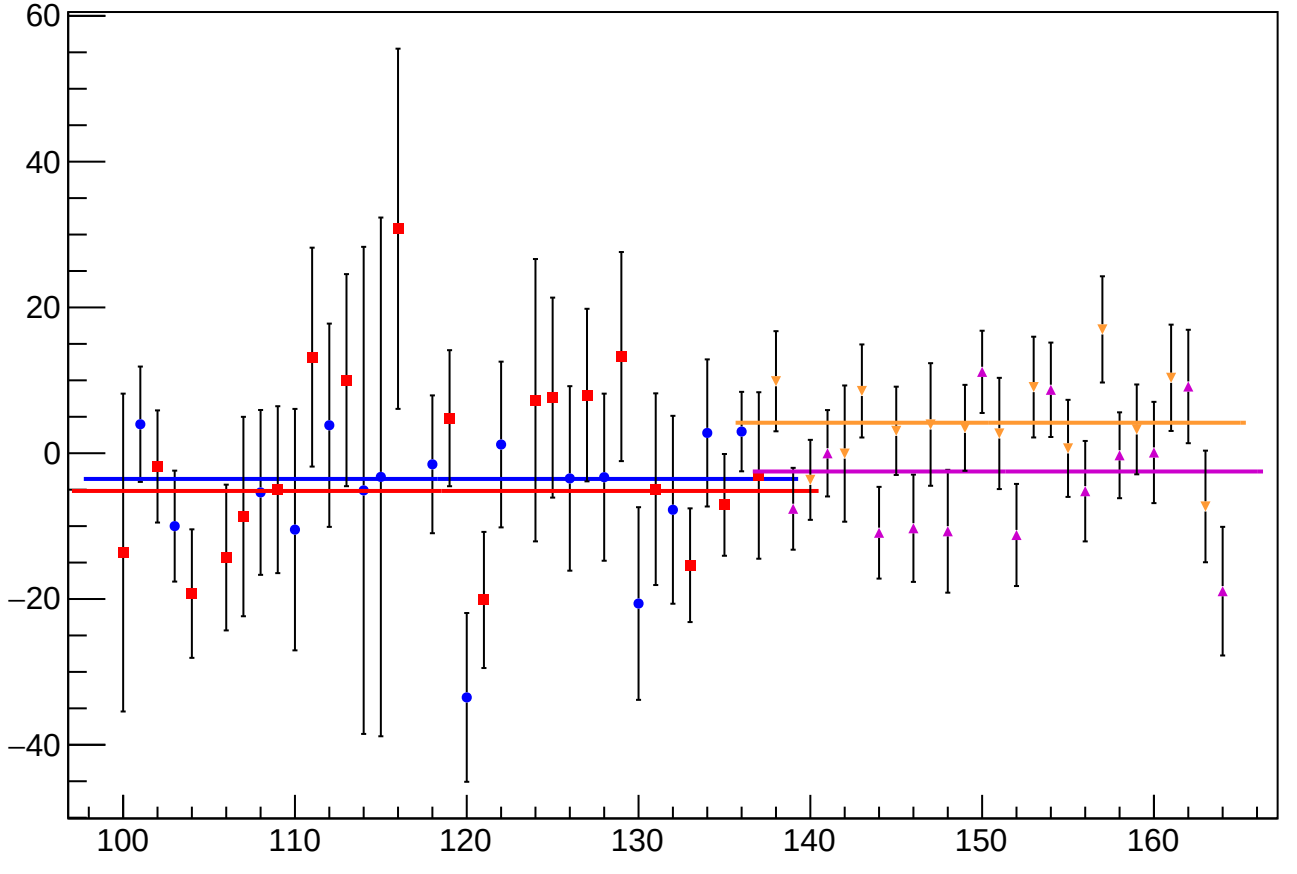
Left: 1132.012+/-0.174 χ^2/NDF: 1499667.4/26

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1105.547+/-0.188 χ^2/NDF:1513060.5/28

Out: 1120.909+/-0.187 χ^2/NDF:1144202.8/32

All: 1113.270+/-0.133 χ^2/NDF: 2660618.2/61



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.183+/-1.819 χ^2/NDF:10.3/13

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -2.506+/-1.845 χ^2/NDF:21.4/12

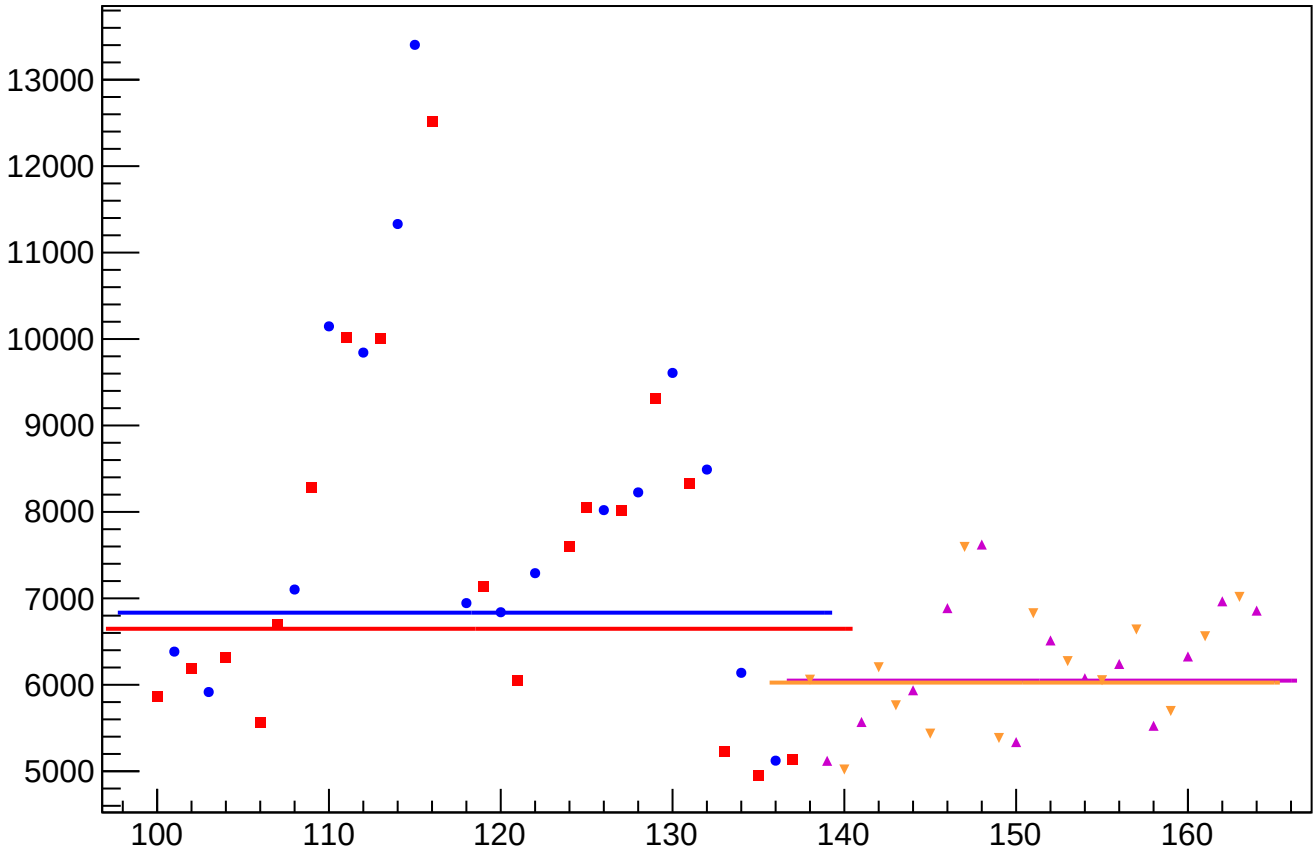
Left: 0.887+/-1.295 χ^2/NDF: 38.4/26

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -2.847+/-1.506 χ^2/NDF:34.1/28

Out: 0.957+/-1.472 χ^2/NDF:37.7/32

All: -0.901+/-1.053 χ^2/NDF: 75.1/61



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6025.556+/-1.286 χ^2/NDF:272519.7/13

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6048.237+/-1.305 χ^2/NDF:269820.5/12

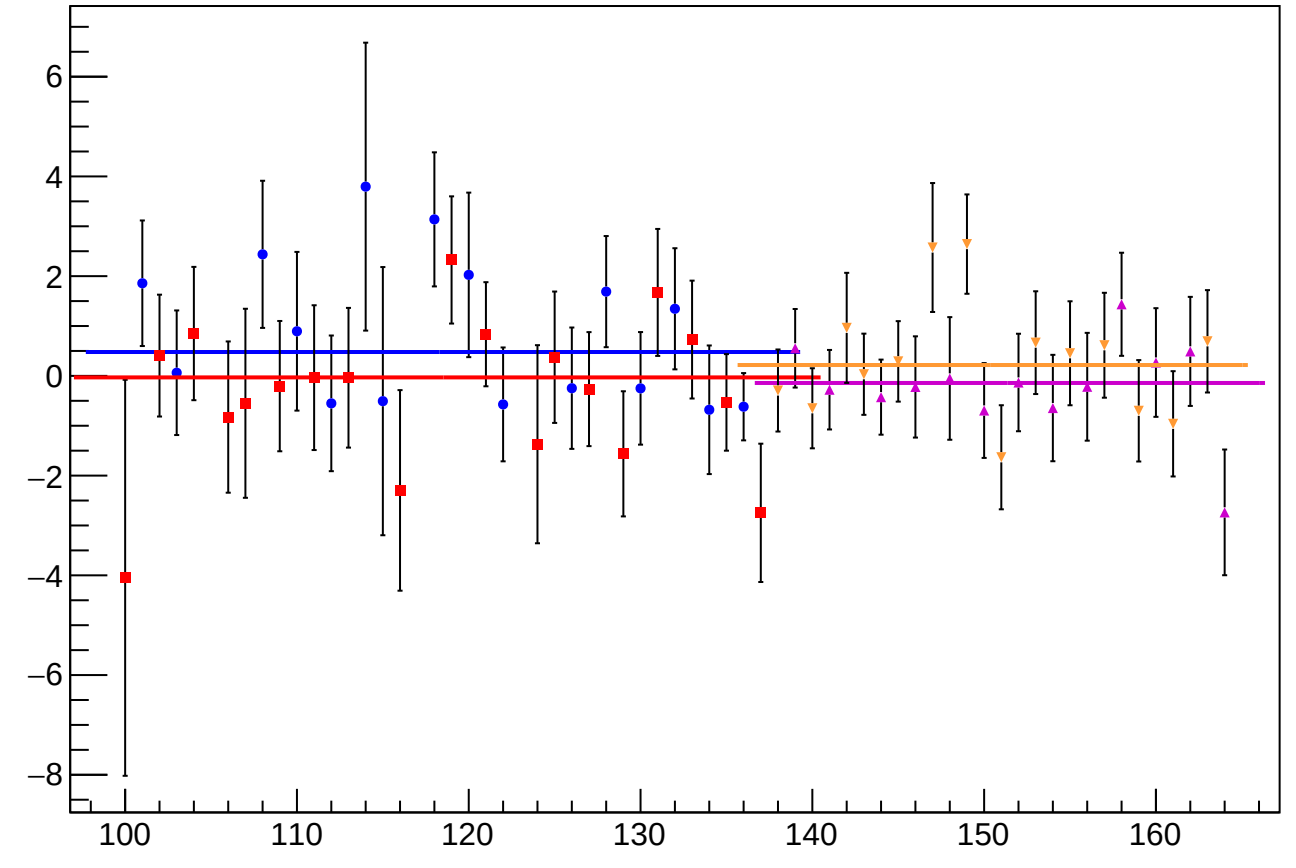
Left: 6036.733+/-0.916 χ^2/NDF: 542493.4/26

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6310.504+/-1.065 χ^2/NDF:1083616.1/28

Out: 6240.114+/-1.041 χ^2/NDF:1138350.0/32

All: 6274.505+/-0.745 χ^2/NDF: 2224199.1/61



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.218+/-0.258 χ^2/NDF:17.1/13

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.142+/-0.270 χ^2/NDF:8.6/12

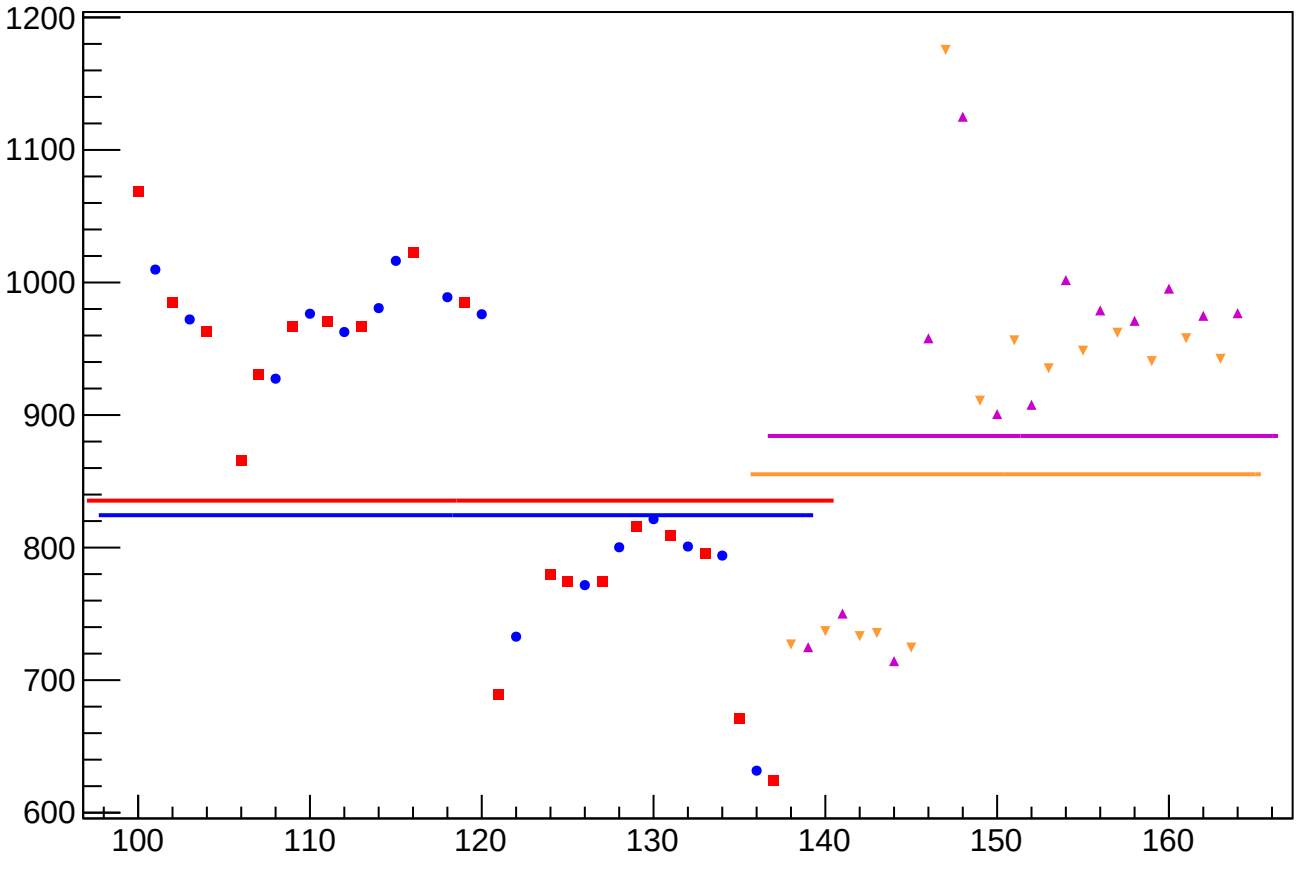
Left: 0.046+/-0.187 χ^2/NDF: 26.6/26

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.125+/-0.204 χ^2/NDF:27.6/28

Out: 0.116+/-0.198 χ^2/NDF:33.2/32

All: 0.120+/-0.142 χ^2/NDF: 60.8/61



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 855.312+/-0.183 χ^2/NDF:456078.4/13

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 884.221+/-0.191 χ^2/NDF:428240.6/12

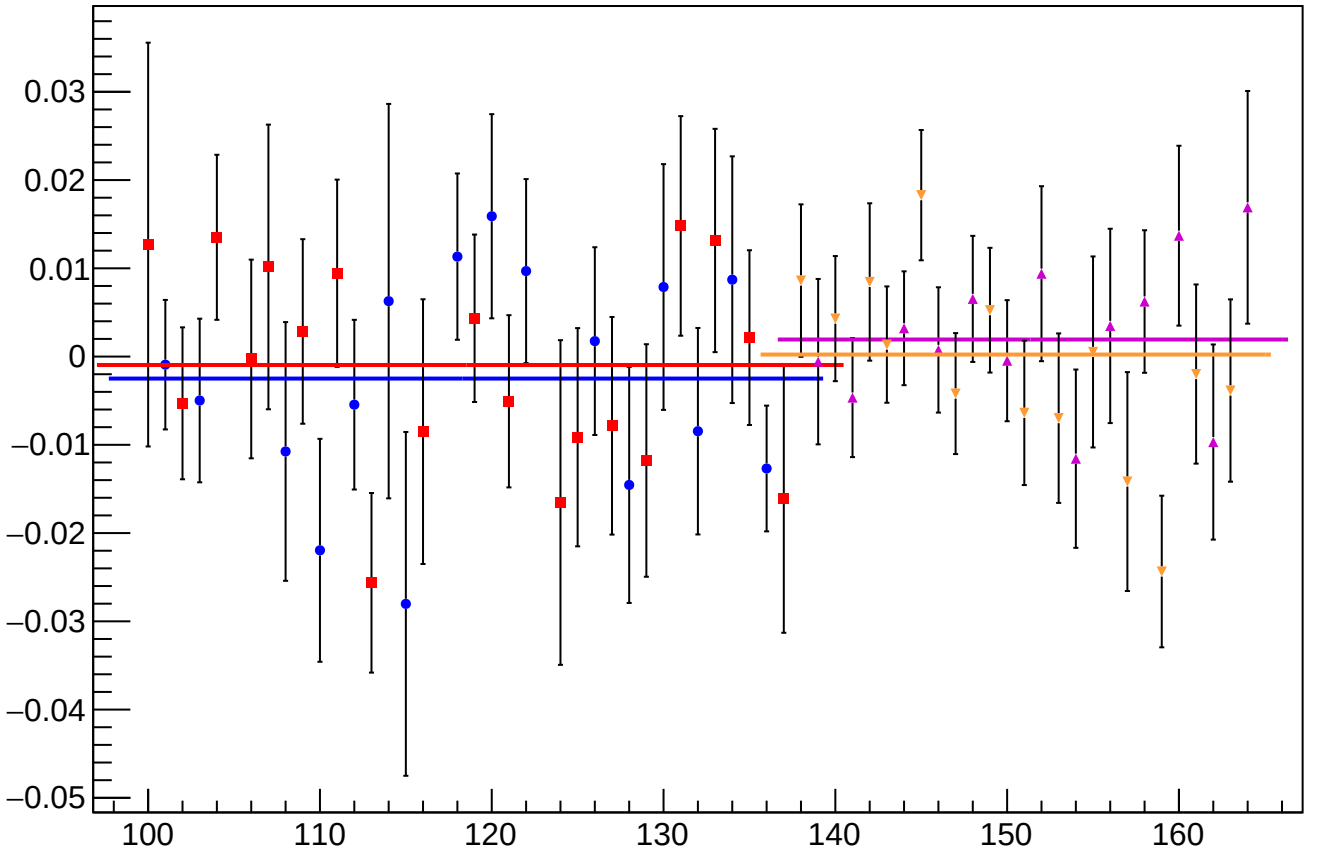
Left: 869.119+/-0.132 χ^2/NDF: 896289.4/26

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 858.496+/-0.144 χ^2/NDF:835874.4/28

Out: 847.125+/-0.140 χ^2/NDF:780260.8/32

All: 852.645+/-0.100 χ^2/NDF: 1619336.8/61



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:20.0/13

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.002+/-0.002 χ^2/NDF:8.0/12

Left: 0.001+/-0.002 χ^2/NDF: 28.3/26

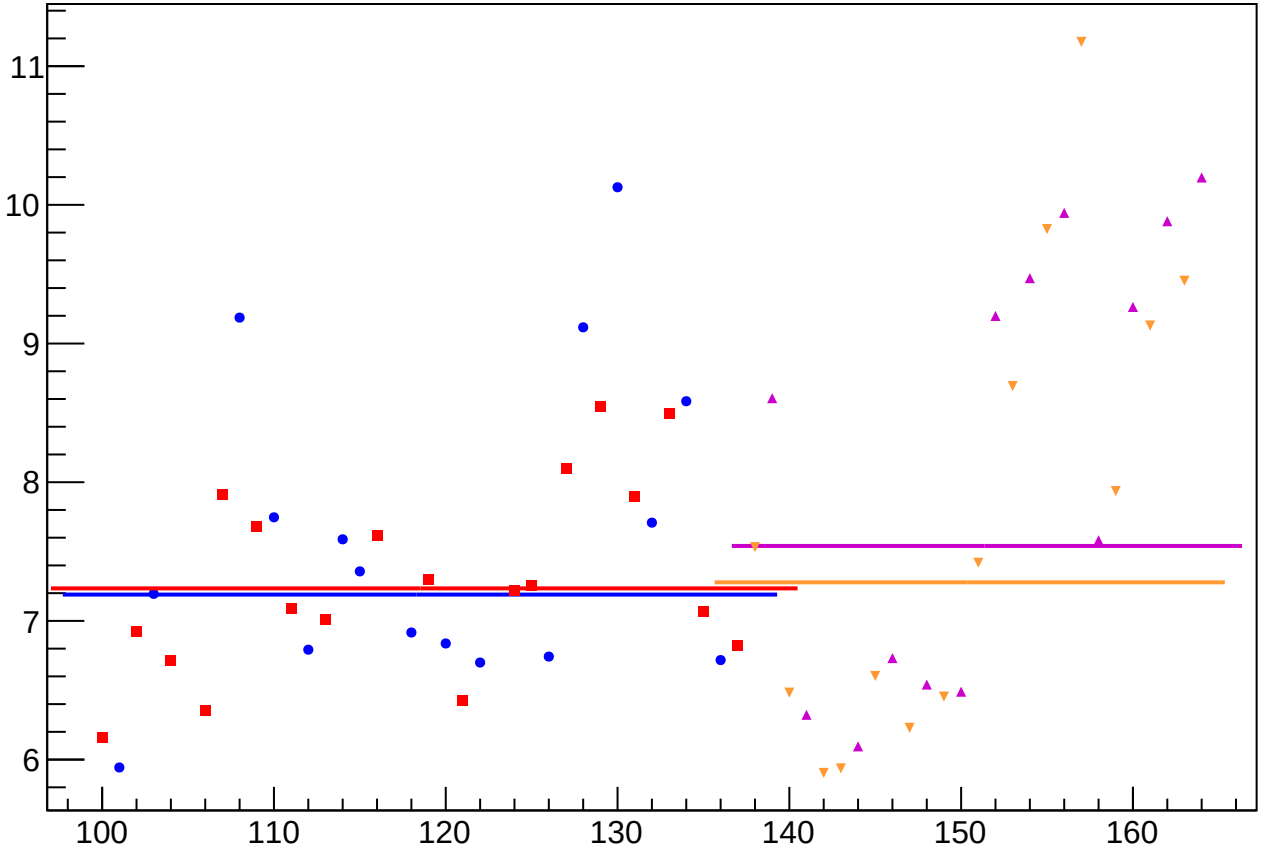
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: 0.000+/-0.002 χ^2/NDF:24.8/28

Out: -0.000+/-0.002 χ^2/NDF:37.4/32

All: -0.000+/-0.001 χ^2/NDF: 62.3/61

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.278+/-0.002 χ^2/NDF:767362.4/13

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.540+/-0.002 χ^2/NDF:755785.8/12

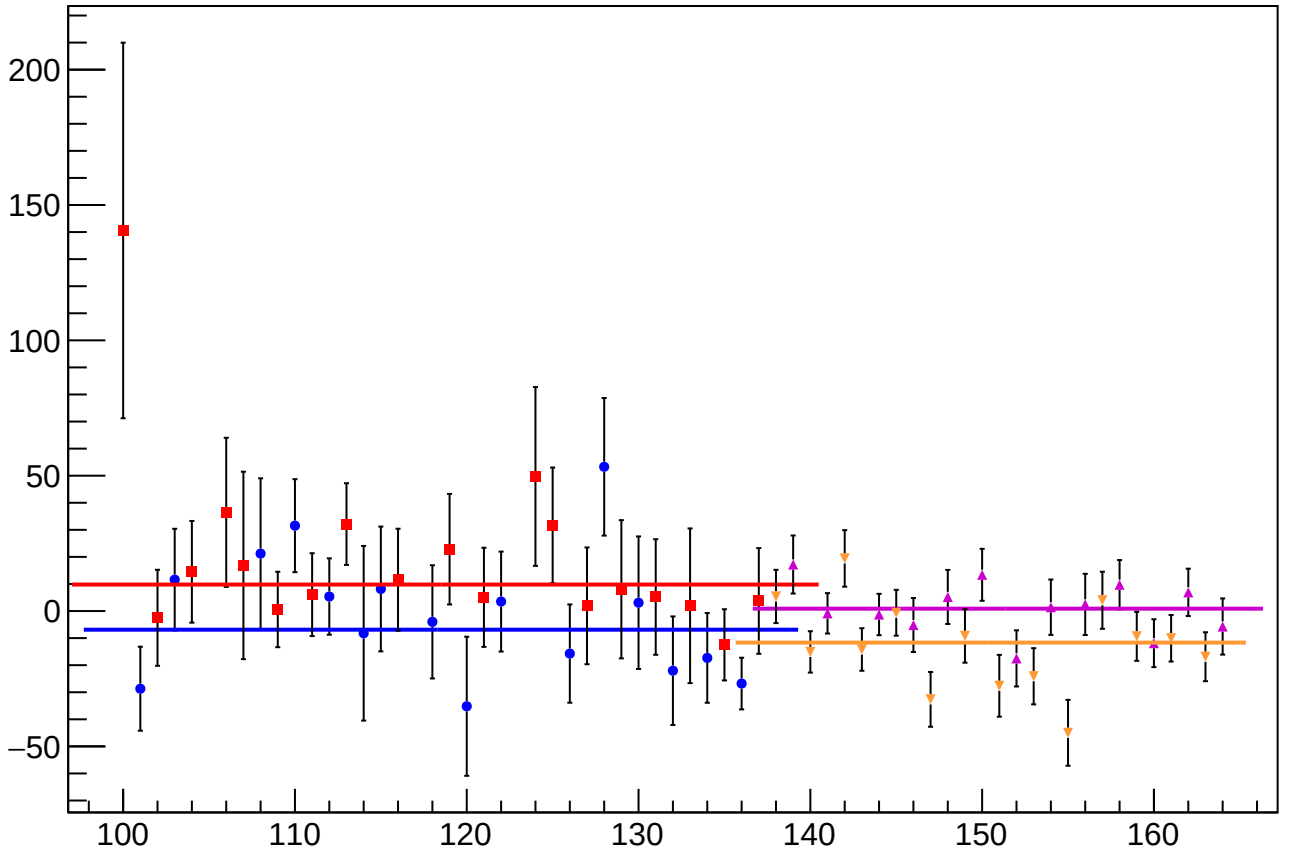
Left: 7.404+/-0.001 χ^2/NDF: 1536450.2/26

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

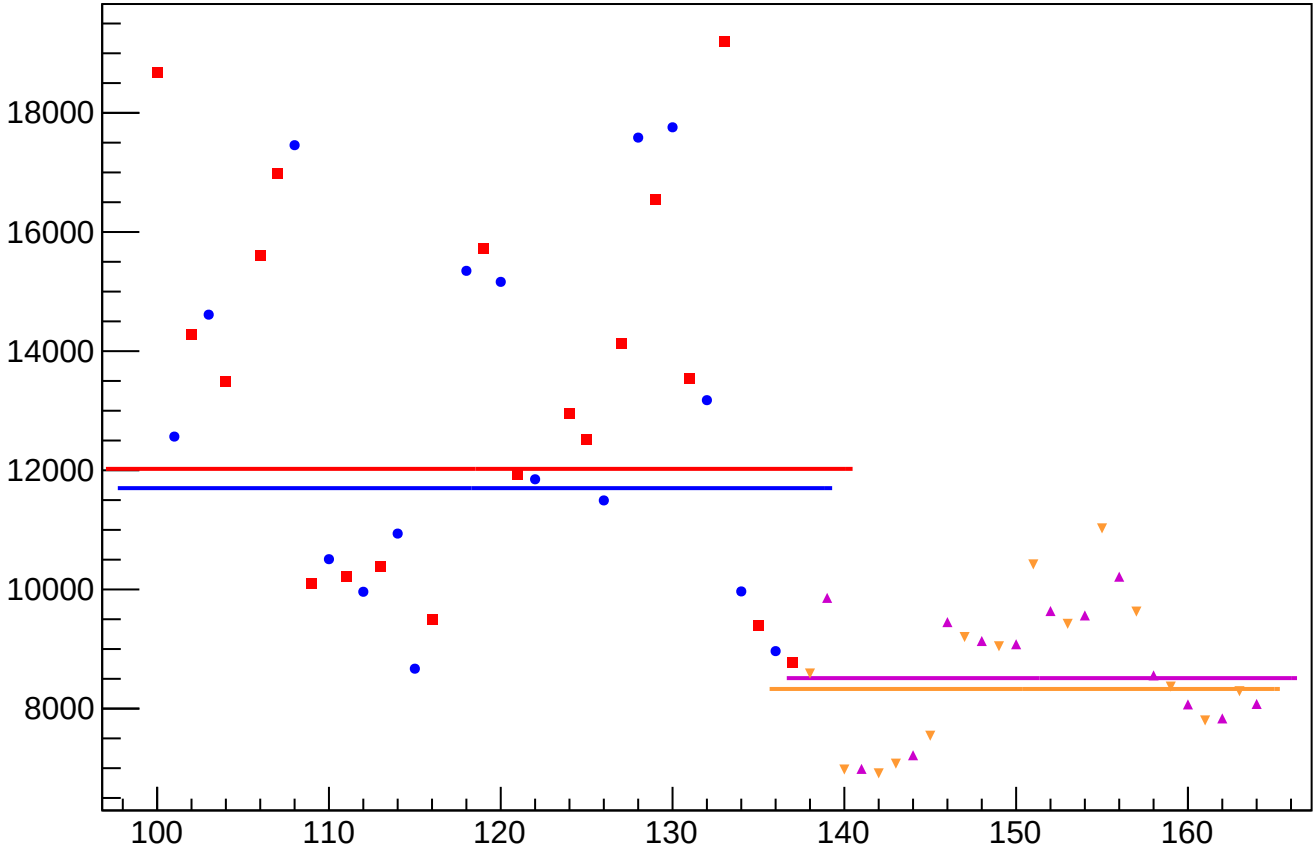
In: 7.392+/-0.001 χ^2/NDF:1052733.5/28

Out: 7.260+/-0.001 χ^2/NDF:873945.9/32

All: 7.324+/-0.001 χ^2/NDF: 1932439.7/61


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -6.891+/-4.488 χ²/NDF: 23.0/15
Left Out: -11.661+/-2.521 χ²/NDF:31.7/13
Right Out: 9.790+/-4.517 χ²/NDF: 14.0/18
Left In: 0.875+/-2.594 χ²/NDF:11.8/12
Left: -5.572+/-1.808 χ²/NDF: 55.5/26
Right: 1.396+/-3.184 χ²/NDF: 43.9/34
In: -1.069+/-2.246 χ²/NDF:37.0/28
Out: -6.567+/-2.201 χ²/NDF:62.9/32
All: -3.873+/-1.572 χ²/NDF: 103.0/61

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8329.803+/-1.783 χ^2/NDF:419468.2/13

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8511.728+/-1.834 χ^2/NDF:315572.7/12

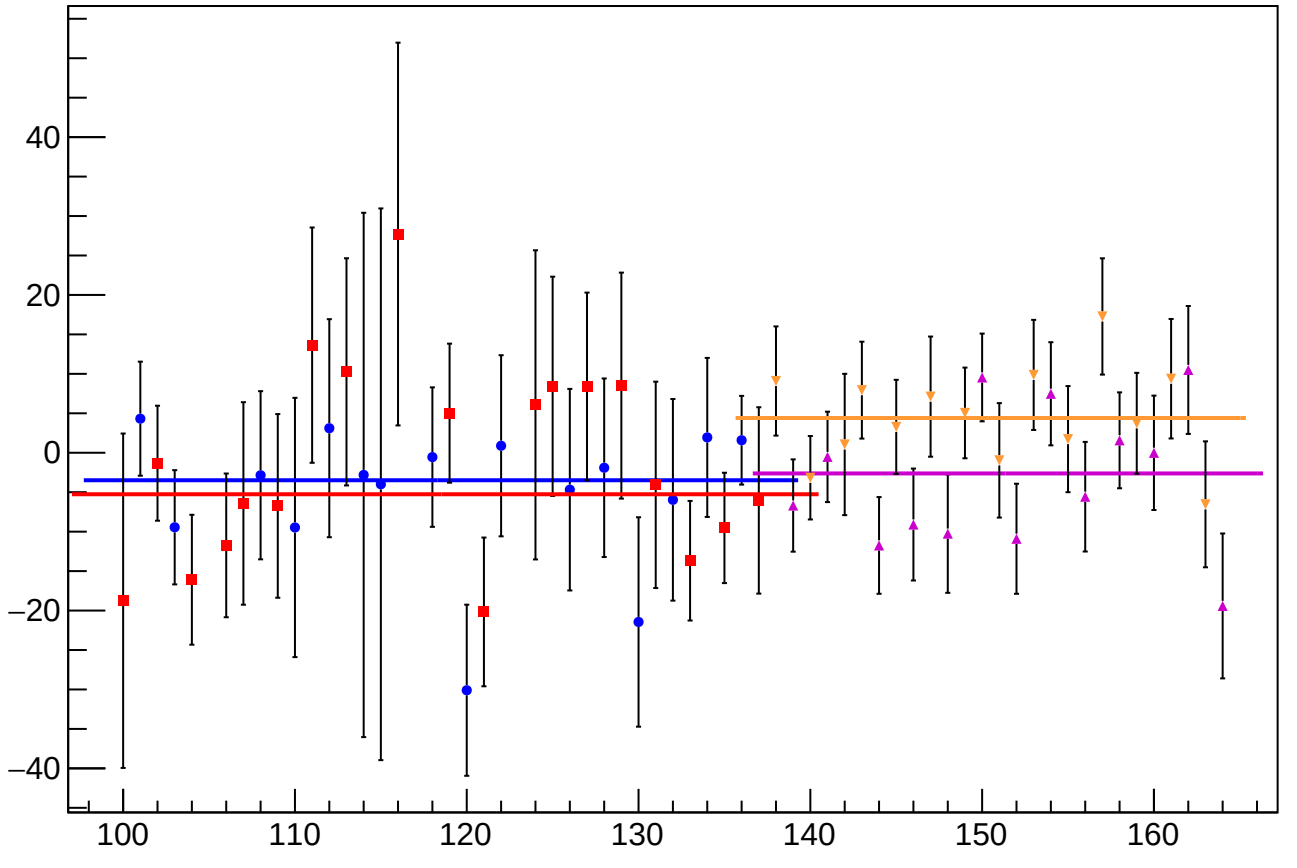
Left: 8418.165+/-1.278 χ^2/NDF: 740100.2/26

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9310.170+/-1.588 χ^2/NDF:1812552.6/28

Out: 9207.081+/-1.557 χ^2/NDF:2124317.1/32

All: 9257.592+/-1.112 χ^2/NDF: 3939018.9/61



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.404+/-1.799 χ^2/NDF:9.8/13

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -2.621+/-1.844 χ^2/NDF:20.0/12

Left: 0.978+/-1.288 χ^2/NDF: 37.3/26

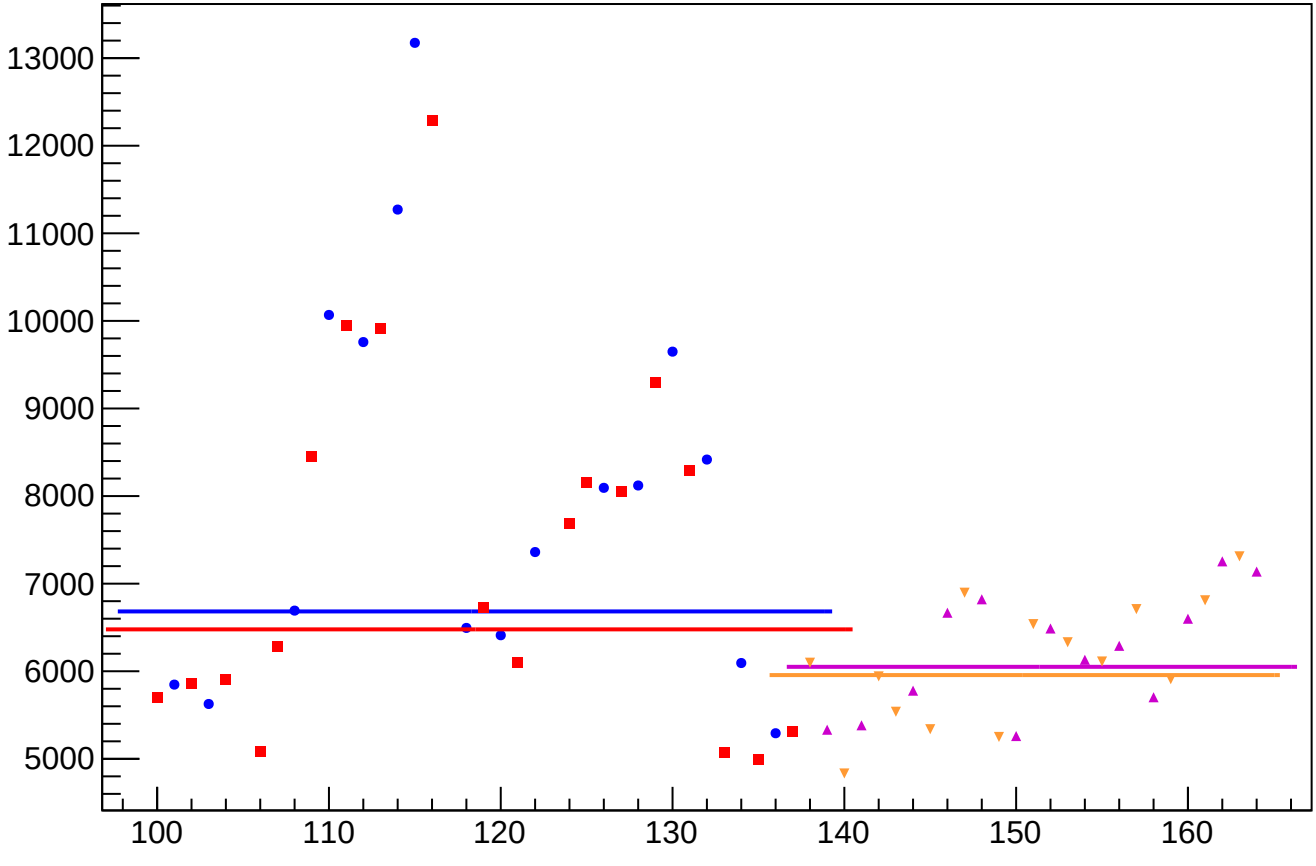
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -2.918+/-1.494 χ^2/NDF:31.6/28

Out: 1.012+/-1.449 χ^2/NDF:36.6/32

All: -0.893+/-1.040 χ^2/NDF: 71.7/61

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5956.220+/-1.272 χ^2/NDF:306463.2/13

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6050.502+/-1.304 χ^2/NDF:238708.1/12

Left: 6002.205+/-0.910 χ^2/NDF: 547850.6/26

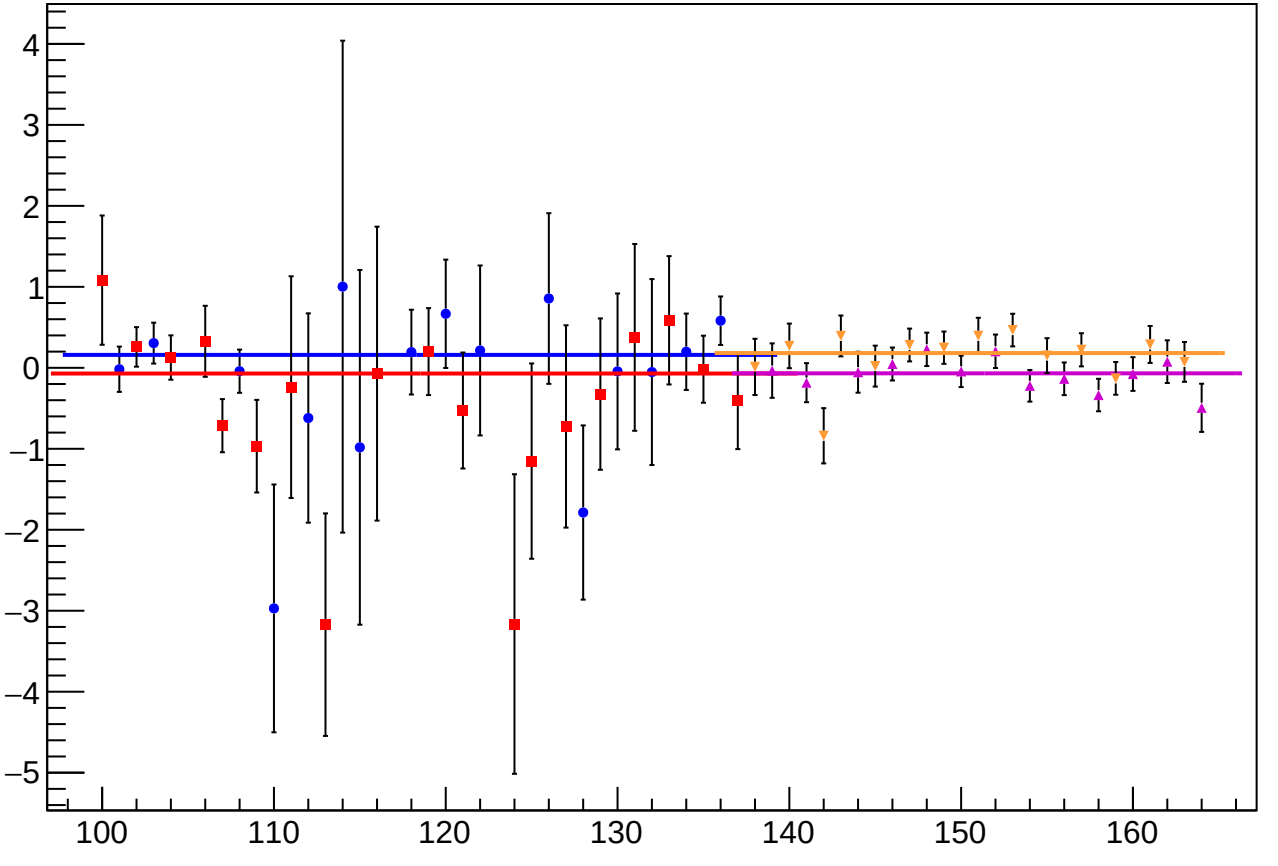
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6267.666+/-1.056 χ^2/NDF:1011726.5/28

Out: 6139.399+/-1.025 χ^2/NDF:1204770.4/32

All: 6201.585+/-0.736 χ^2/NDF: 2224091.9/61

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.182+/-0.062 χ^2/NDF:16.5/13

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.068+/-0.062 χ^2/NDF:9.2/12

Left: 0.056+/-0.044 χ^2/NDF: 34.0/26

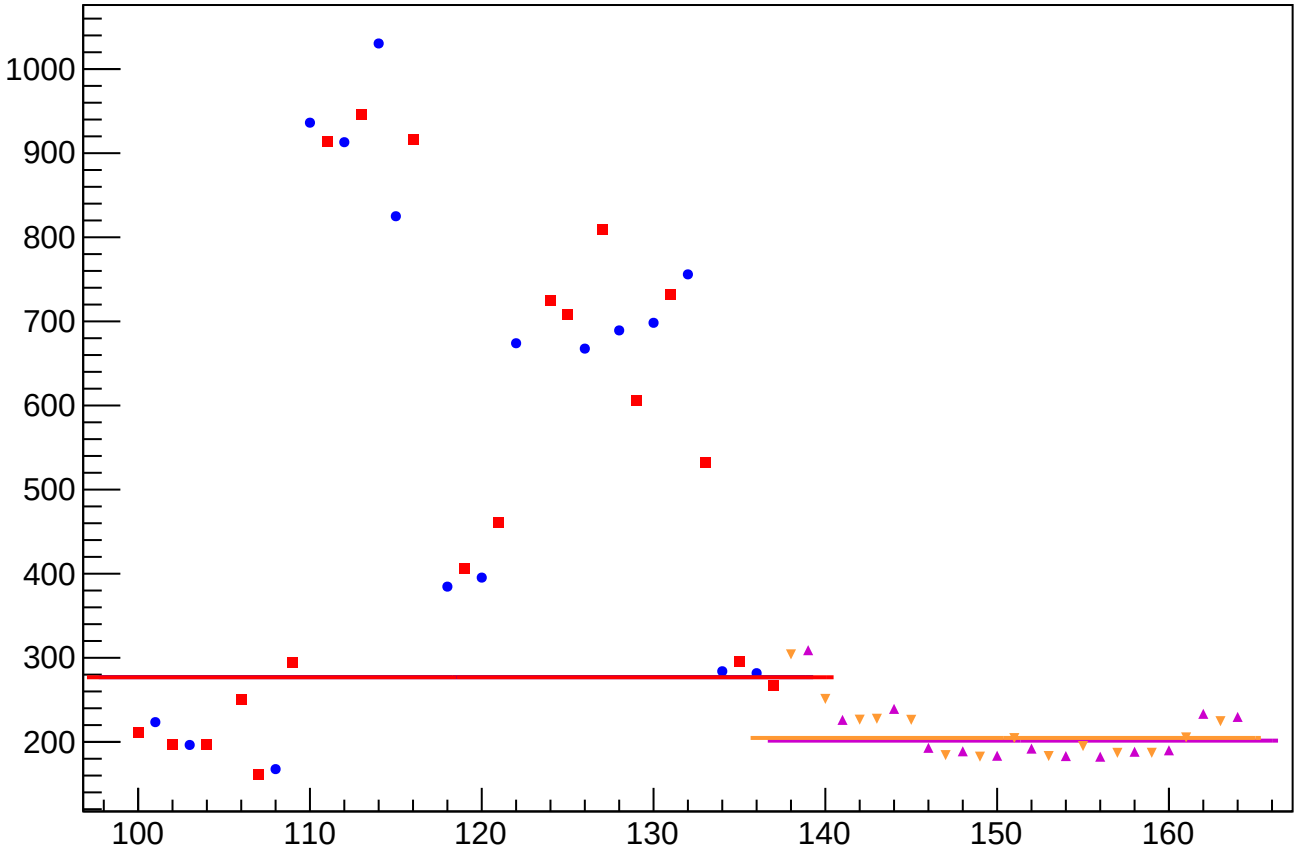
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.020+/-0.055 χ^2/NDF:24.7/28

Out: 0.129+/-0.055 χ^2/NDF:42.5/32

All: 0.054+/-0.039 χ^2/NDF: 70.9/61

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 204.720+/-0.044 χ^2/NDF:374949.1/13

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 201.511+/-0.044 χ^2/NDF:399961.0/12

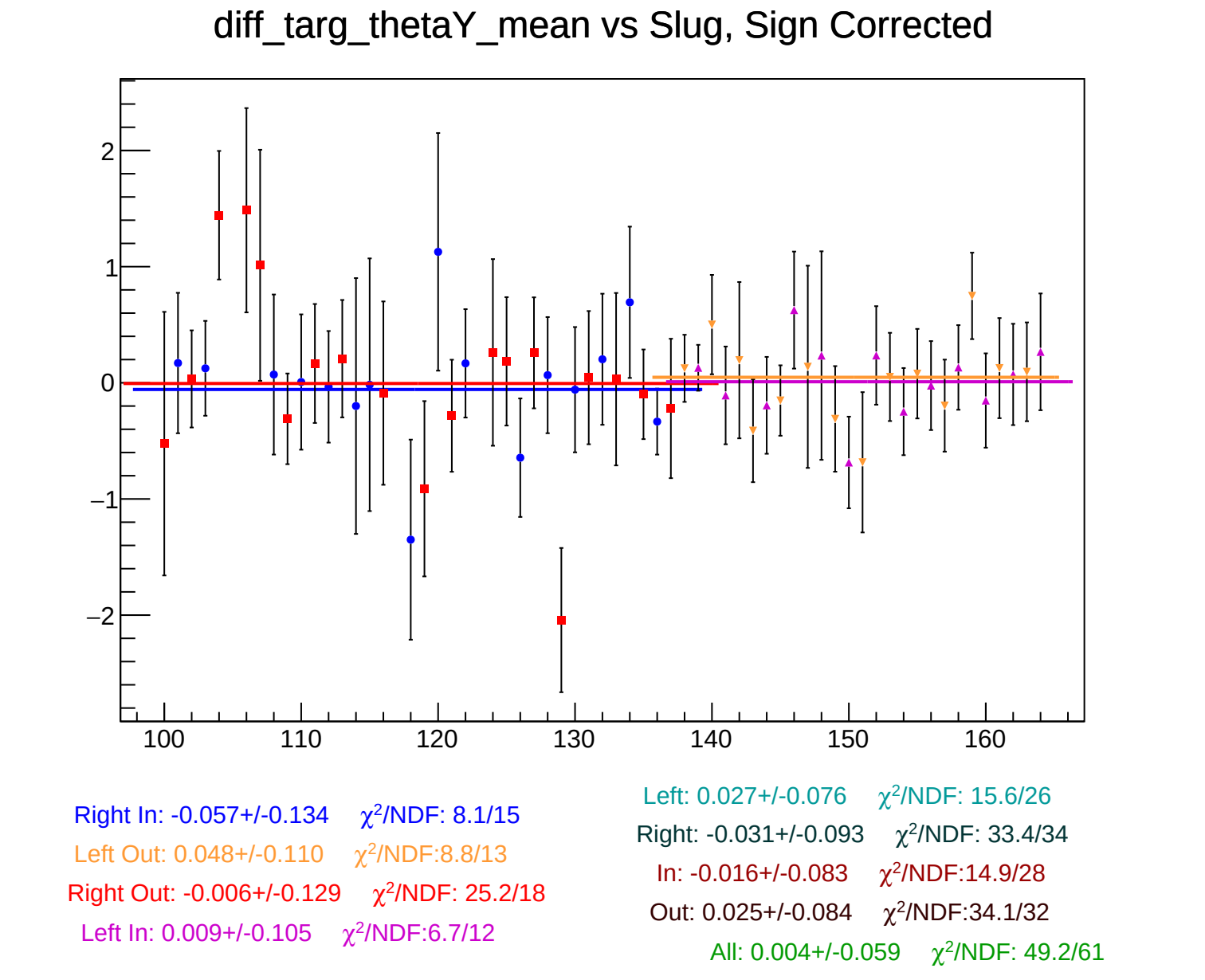
Left: 203.108+/-0.031 χ^2/NDF: 777613.4/26

Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

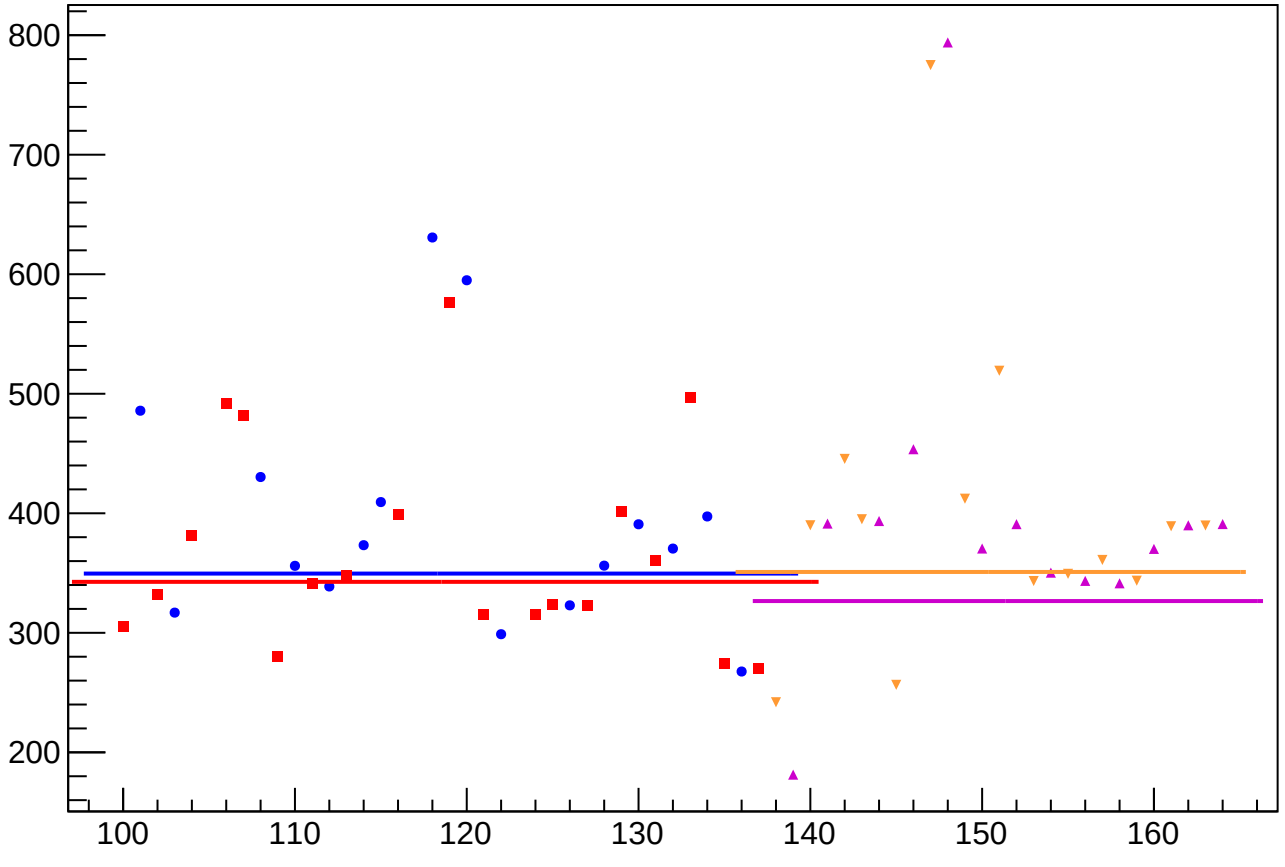
In: 217.331+/-0.039 χ^2/NDF:4480808.0/28

Out: 219.930+/-0.039 χ^2/NDF:4519955.6/32

All: 218.625+/-0.027 χ^2/NDF: 9003008.4/61


diff_targ_thetaY_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: 0.048+/-0.110 χ²/NDF:8.8/13
Right Out: -0.006+/-0.129 χ²/NDF: 25.2/18
Left In: 0.009+/-0.105 χ²/NDF:6.7/12
Left: 0.027+/-0.076 χ²/NDF: 15.6/26
Right: -0.031+/-0.093 χ²/NDF: 33.4/34
In: -0.016+/-0.083 χ²/NDF:14.9/28
Out: 0.025+/-0.084 χ²/NDF:34.1/32
All: 0.004+/-0.059 χ²/NDF: 49.2/61

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 350.917+/-0.078 χ^2/NDF:1256462.1/13

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 326.568+/-0.074 χ^2/NDF:2033721.2/12

Left: 338.164+/-0.054 χ^2/NDF: 3341541.6/26

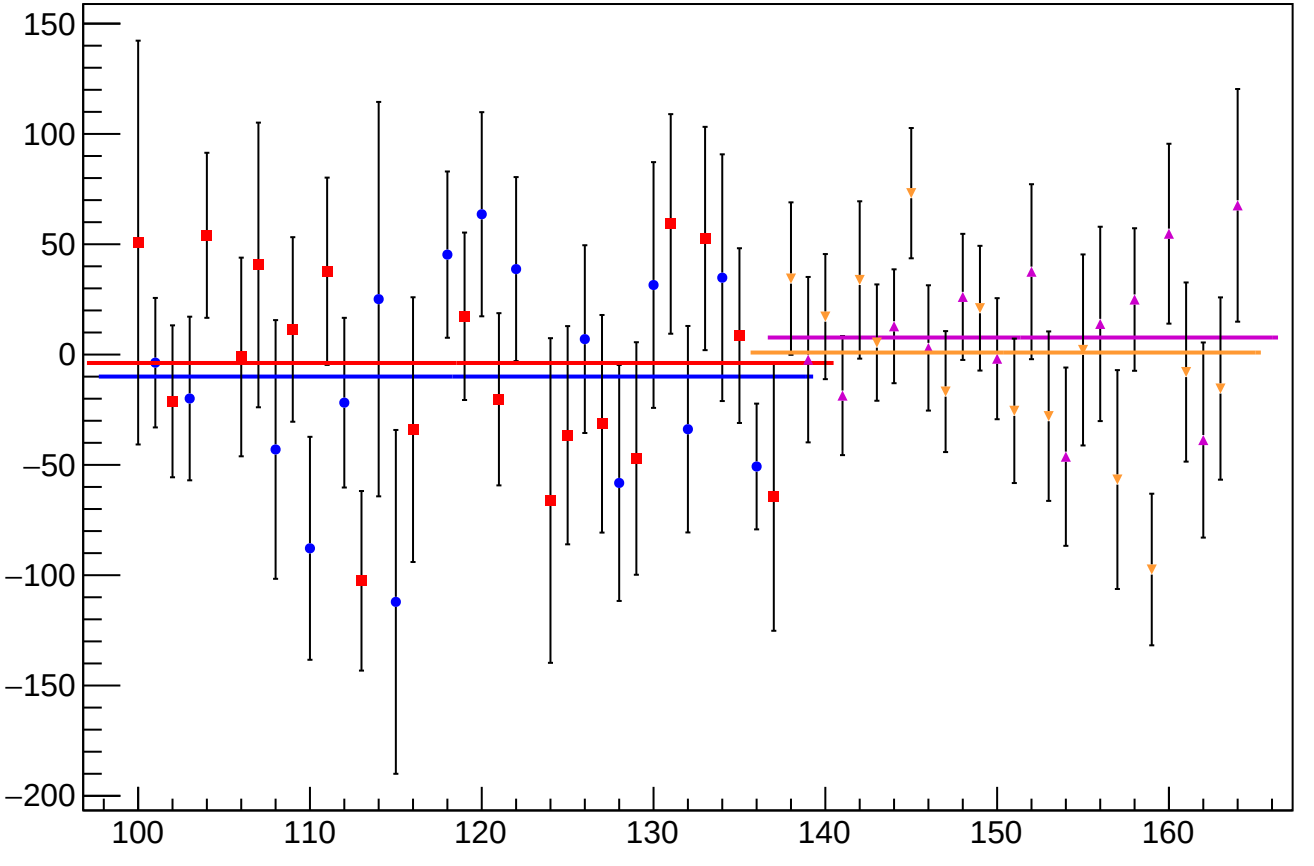
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 335.316+/-0.058 χ^2/NDF:2769610.2/28

Out: 347.432+/-0.059 χ^2/NDF:1836992.4/32

All: 341.292+/-0.042 χ^2/NDF: 4627859.0/61

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.916+/-8.899 χ^2/NDF:20.0/13

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 7.729+/-9.295 χ^2/NDF:8.0/12

Left: 4.174+/-6.428 χ^2/NDF: 28.3/26

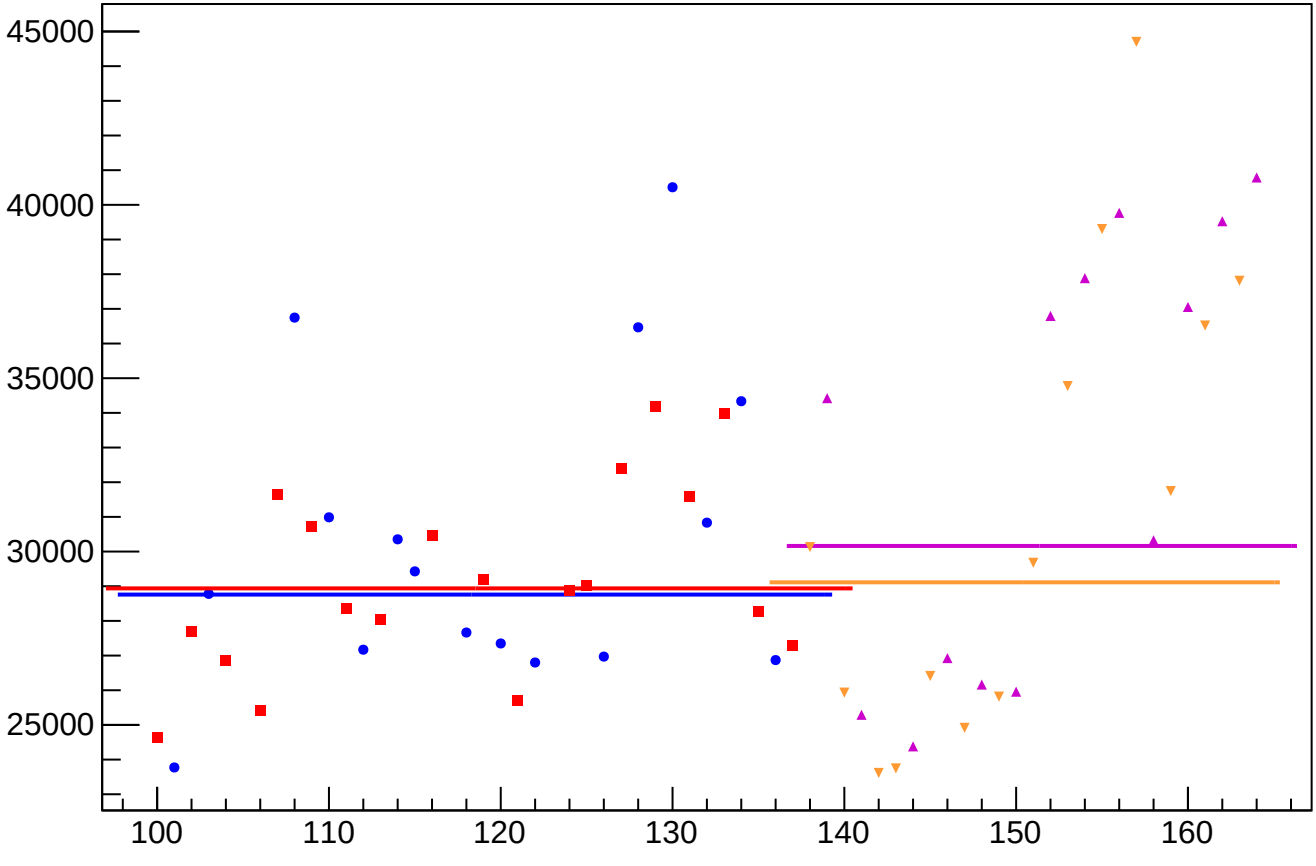
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.227+/-7.055 χ^2/NDF:24.8/28

Out: -1.032+/-6.825 χ^2/NDF:37.4/32

All: -0.423+/-4.905 χ^2/NDF: 62.3/61

diff_bpmE_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29112.367+/-6.293 χ^2/NDF:767362.4/13

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30161.836+/-6.573 χ^2/NDF:755785.8/12

Left: 29614.284+/-4.545 χ^2/NDF: 1536450.2/26

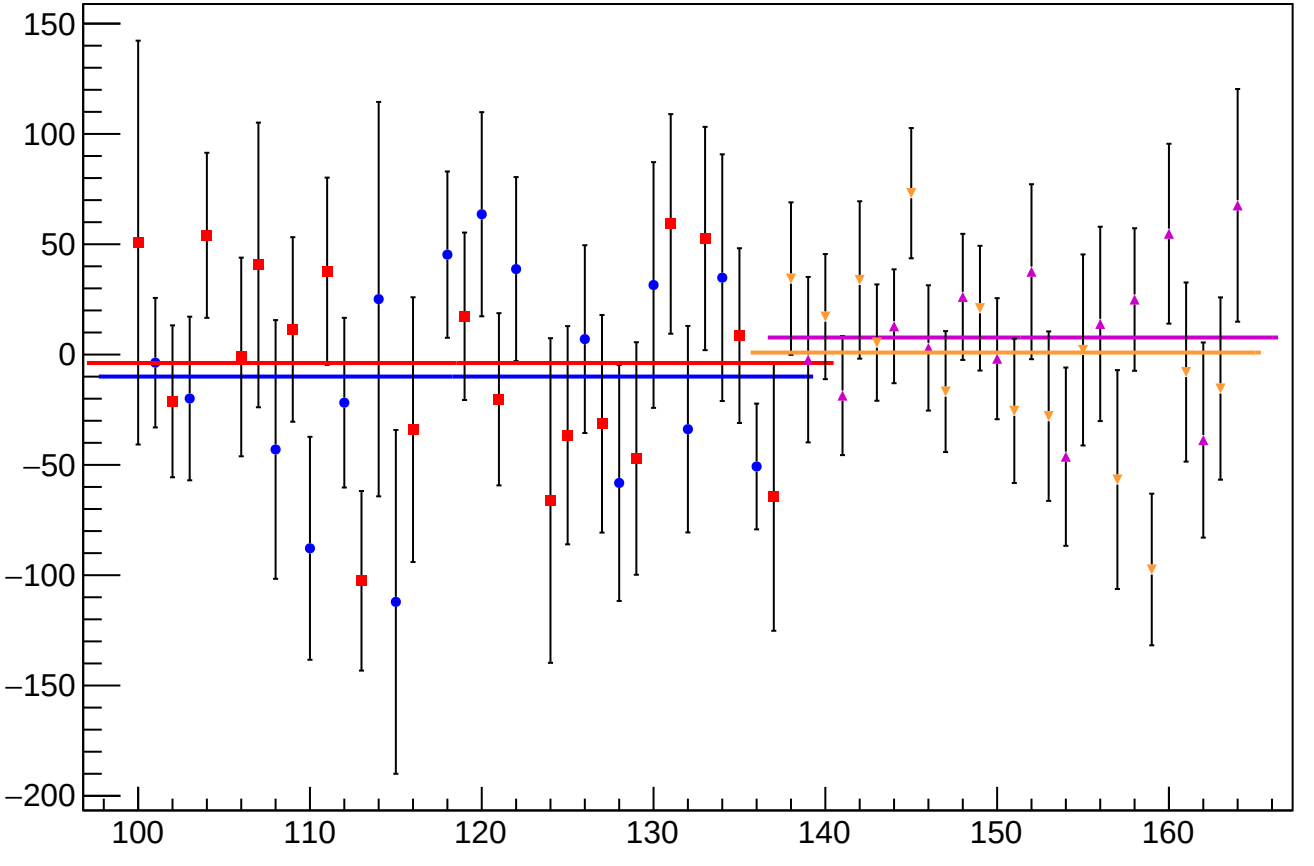
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29567.227+/-4.989 χ^2/NDF:1052733.5/28

Out: 29040.414+/-4.826 χ^2/NDF:873945.9/32

All: 29295.100+/-3.469 χ^2/NDF: 1932439.7/6

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.916+/-8.899 χ^2/NDF:20.0/13

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 7.729+/-9.295 χ^2/NDF:8.0/12

Left: 4.174+/-6.428 χ^2/NDF: 28.3/26

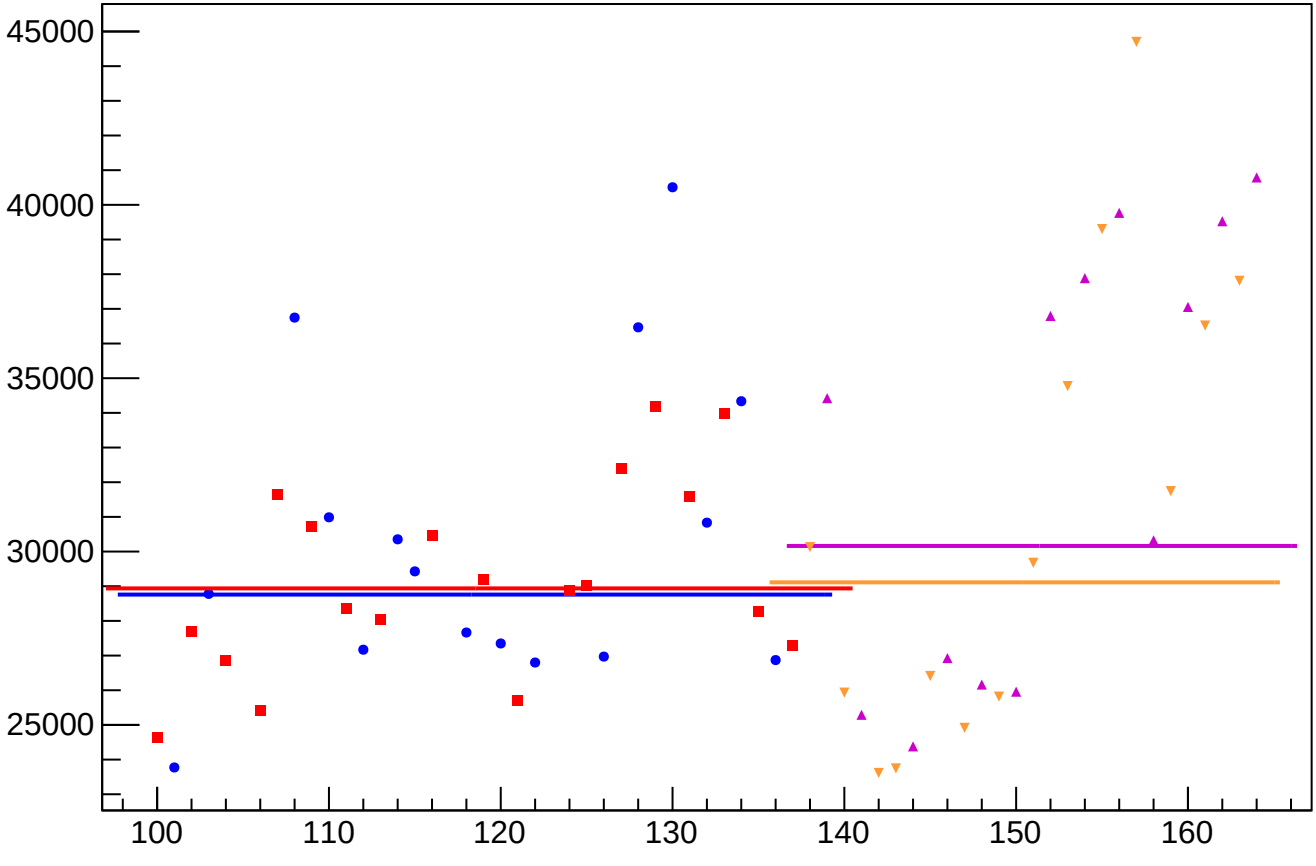
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.227+/-7.055 χ^2/NDF:24.8/28

Out: -1.032+/-6.825 χ^2/NDF:37.4/32

All: -0.423+/-4.905 χ^2/NDF: 62.3/61

diff_bpmEX_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29112.367+/-6.293 χ^2/NDF:767362.4/13

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30161.836+/-6.573 χ^2/NDF:755785.8/12

Left: 29614.284+/-4.545 χ^2/NDF: 1536450.2/26

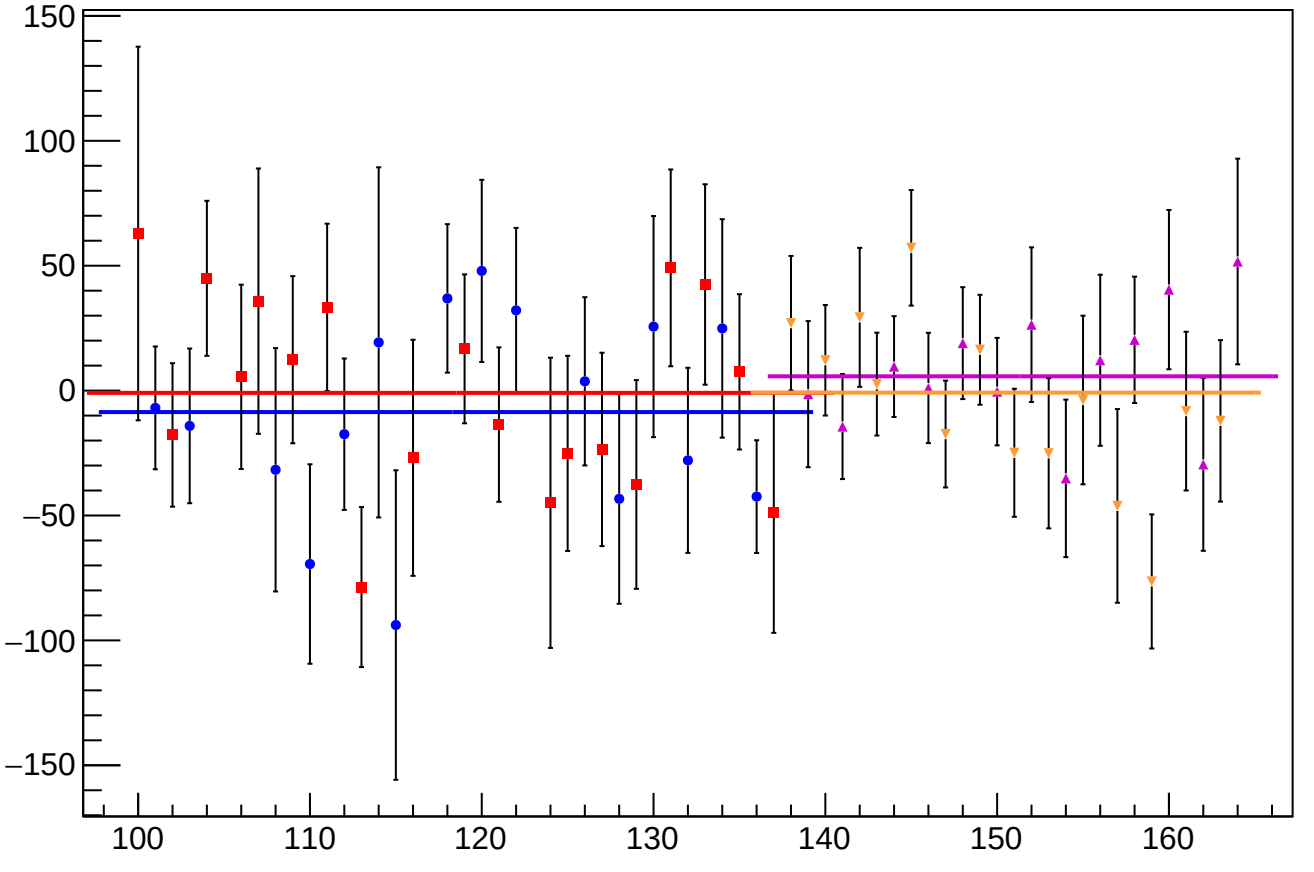
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29567.227+/-4.989 χ^2/NDF:1052733.5/28

Out: 29040.414+/-4.826 χ^2/NDF:873945.9/32

All: 29295.100+/-3.469 χ^2/NDF: 1932439.7/6

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -0.813+/-6.951 χ^2/NDF:21.1/13

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 5.715+/-7.261 χ^2/NDF:7.5/12

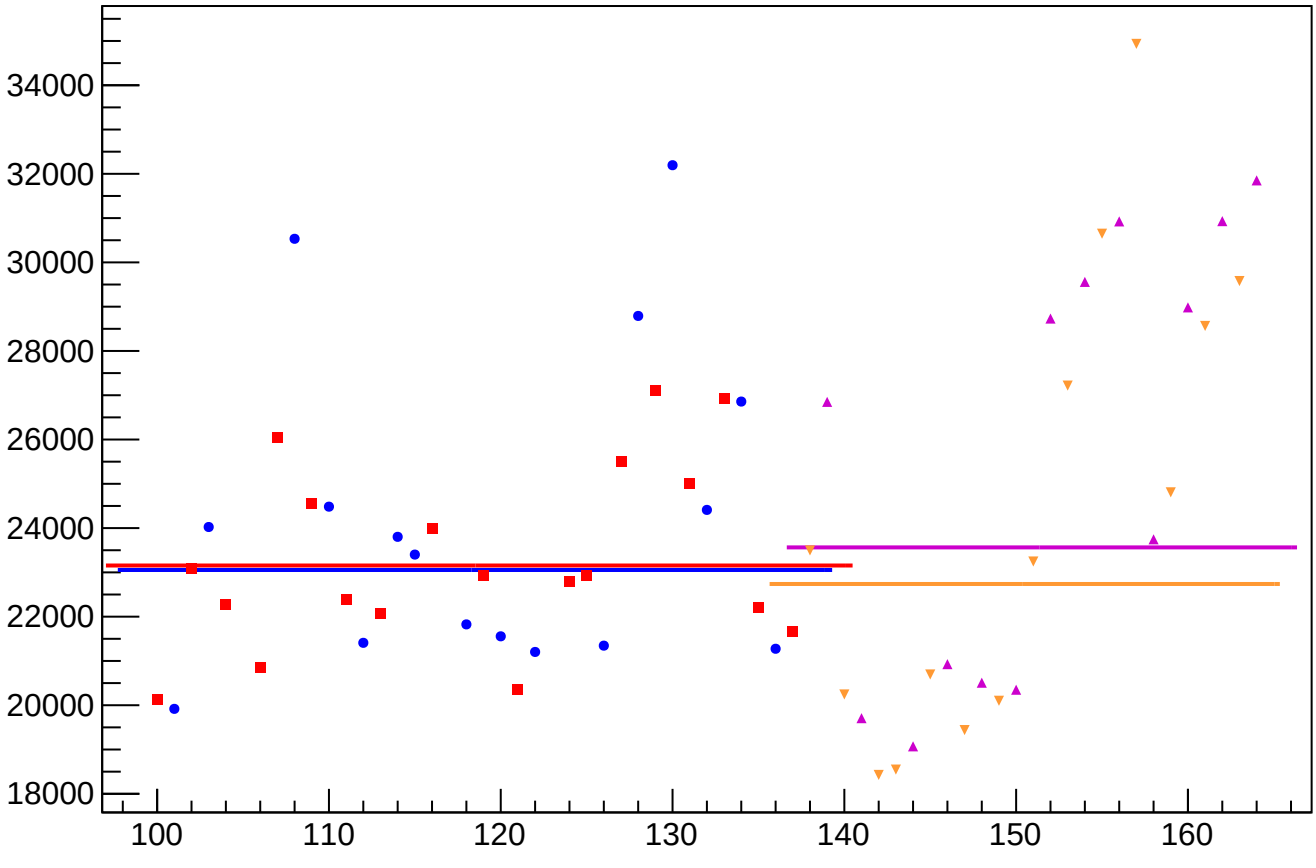
Left: 2.308+/-5.021 χ^2/NDF: 29.0/26

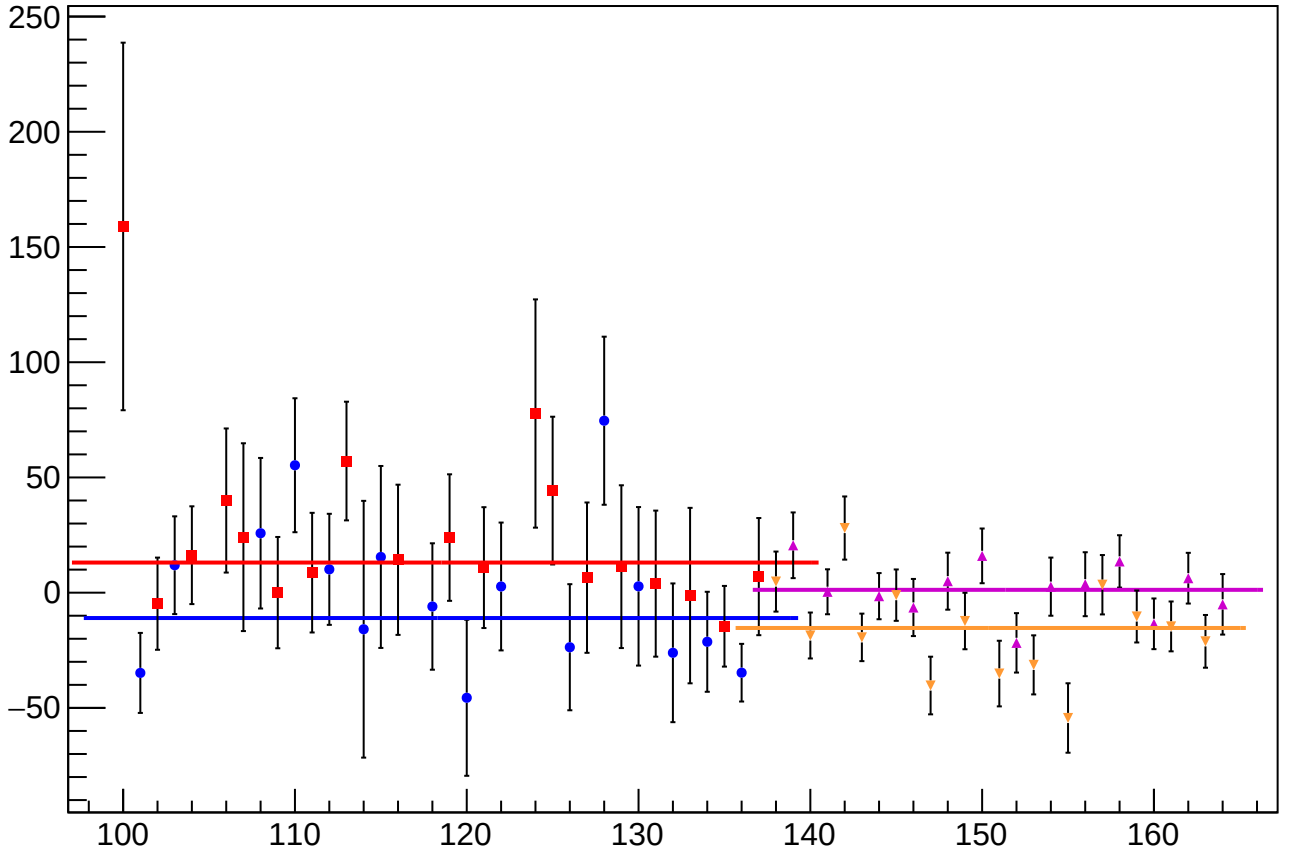
Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

In: -0.180+/-5.569 χ^2/NDF:24.6/28

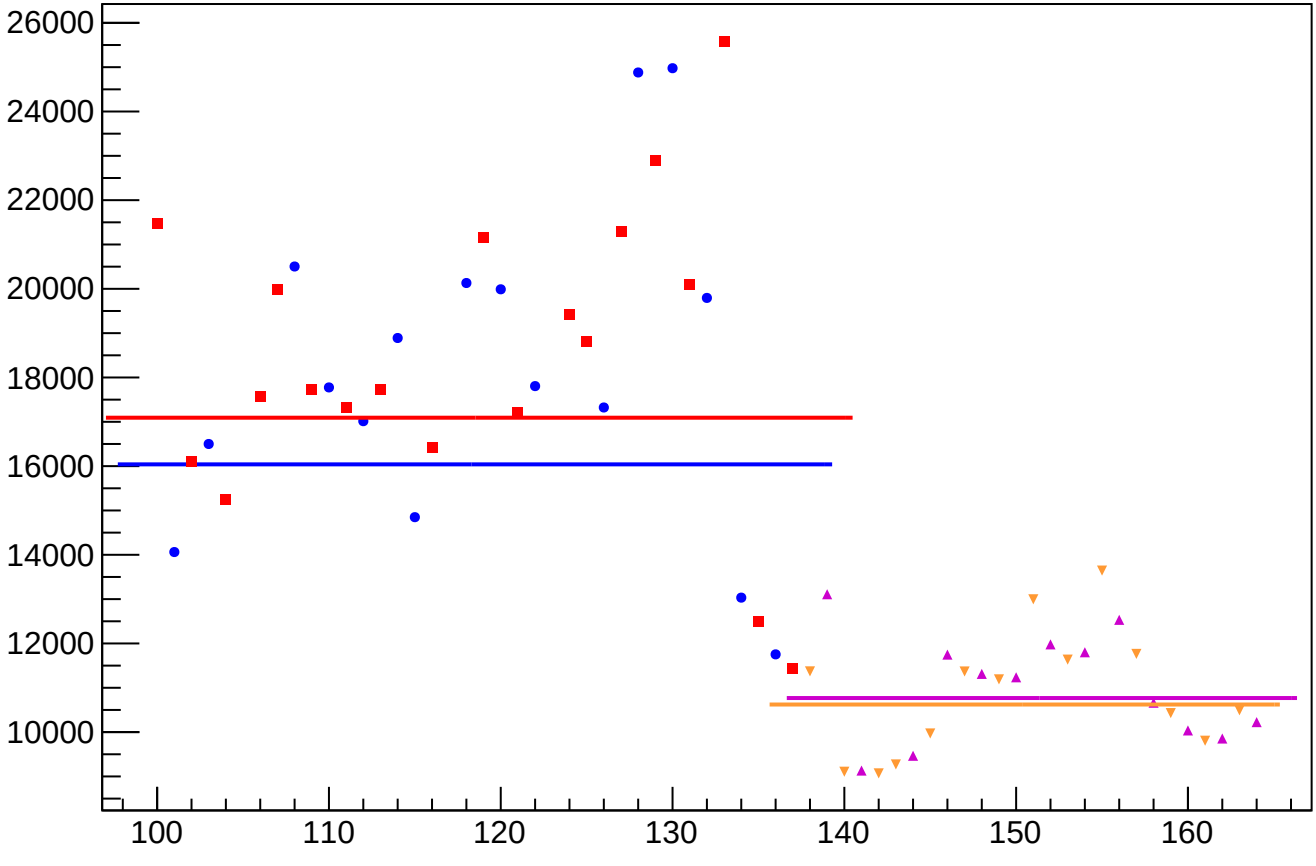
Out: -0.849+/-5.382 χ^2/NDF:38.7/32

All: -0.526+/-3.870 χ^2/NDF: 63.3/61


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
34000
32000
30000
28000
26000
24000
22000
20000
18000
100
110
120
130
140
150
160
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 22738.019+/-4.915 χ²/NDF:771452.5/13
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 23564.164+/-5.135 χ²/NDF:751974.7/12
Left: 23133.057+/-3.551 χ²/NDF: 1536936.6/26
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 23354.044+/-3.938 χ²/NDF:1017486.3/28
Out: 22905.083+/-3.806 χ²/NDF:868232.0/32
All: 23121.911+/-2.737 χ²/NDF: 1892438.9/6


diff_bpm4aesumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -11.002+/-6.155 χ²/NDF: 22.0/15
Left Out: -15.317+/-3.206 χ²/NDF:31.1/13
Right Out: 13.071+/-6.382 χ²/NDF: 13.9/18
Left In: 1.234+/-3.277 χ²/NDF:10.6/12
Left: -7.224+/-2.292 χ²/NDF: 54.7/26
Right: 0.599+/-4.430 χ²/NDF: 43.3/34
In: -1.469+/-2.893 χ²/NDF:35.7/28
Out: -9.597+/-2.865 χ²/NDF:60.8/32
All: -5.573+/-2.036 χ²/NDF: 100.5/61

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10622.444+/-2.267 χ^2/NDF:307620.7/13

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10768.678+/-2.317 χ^2/NDF:253098.3/12

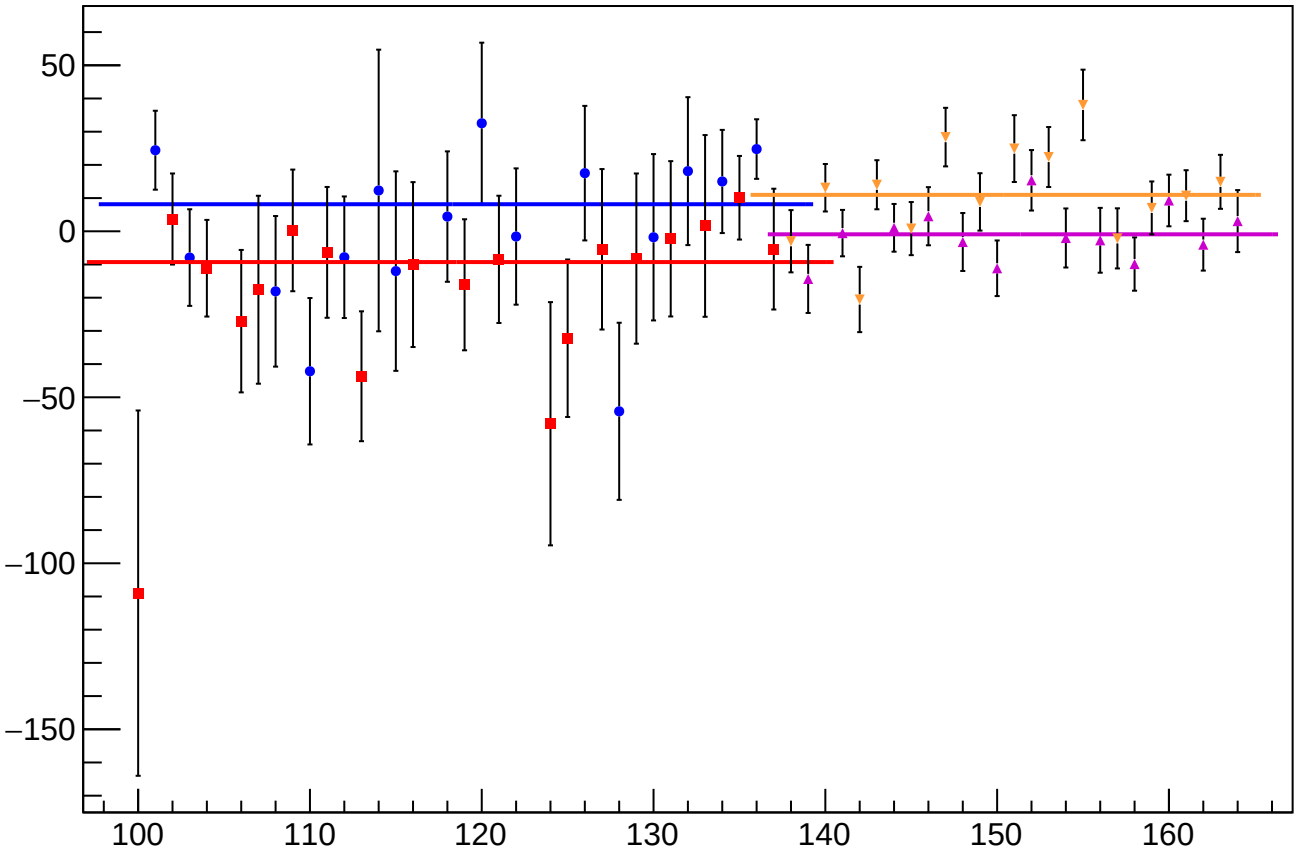
Left: 10693.952+/-1.621 χ^2/NDF: 562753.8/26

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11933.124+/-2.046 χ^2/NDF:2118732.5/28

Out: 11926.253+/-2.026 χ^2/NDF:2484569.4/32

All: 11929.655+/-1.439 χ^2/NDF: 4603307.6/6



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 10.969+/-2.279 χ^2/NDF:30.9/13

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -0.910+/-2.326 χ^2/NDF:10.3/12

Left: 5.150+/-1.628 χ^2/NDF: 54.5/26

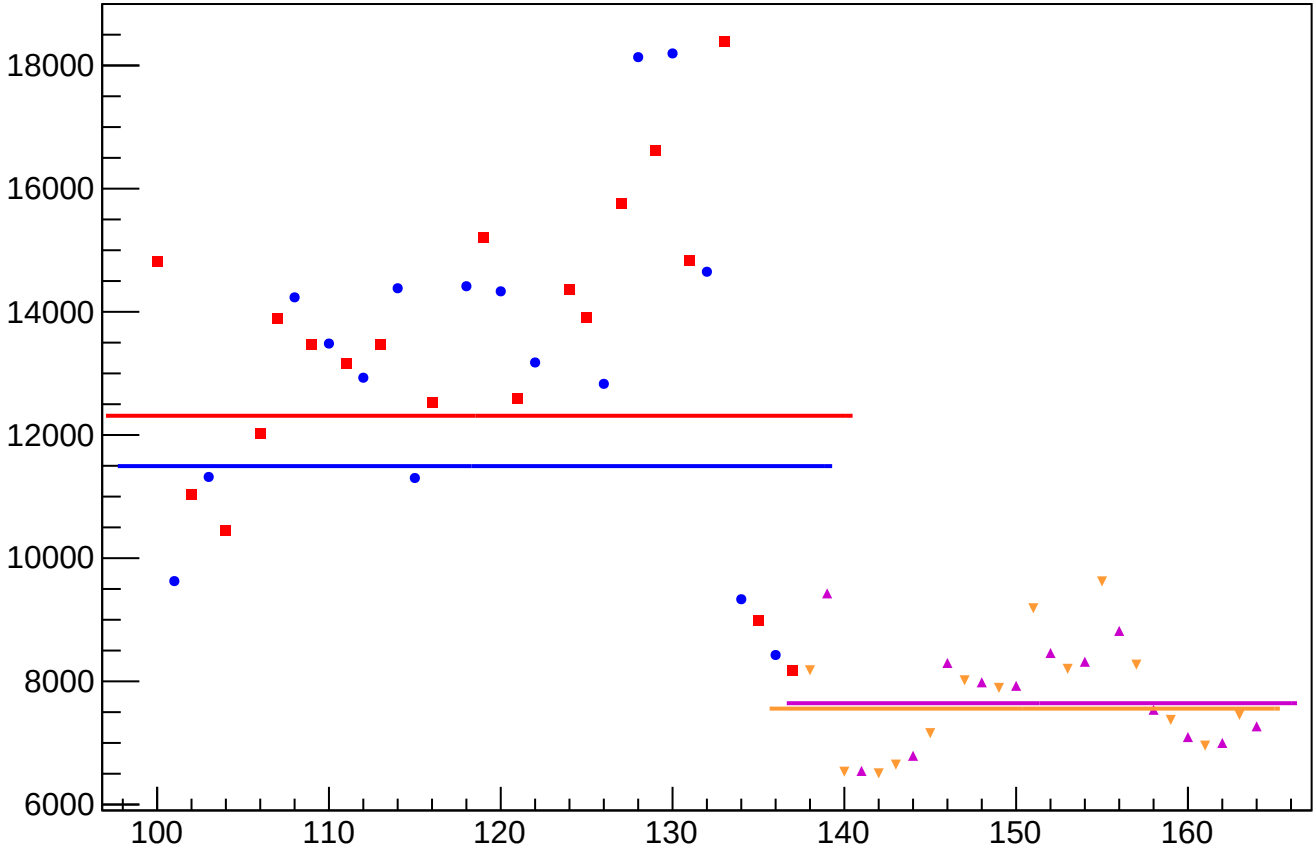
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 1.053+/-2.059 χ^2/NDF:35.4/28

Out: 6.989+/-2.043 χ^2/NDF:60.3/32

All: 4.044+/-1.450 χ^2/NDF: 99.8/61

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7557.480+/-1.612 χ^2/NDF:280700.7/13

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7645.250+/-1.645 χ^2/NDF:238278.2/12

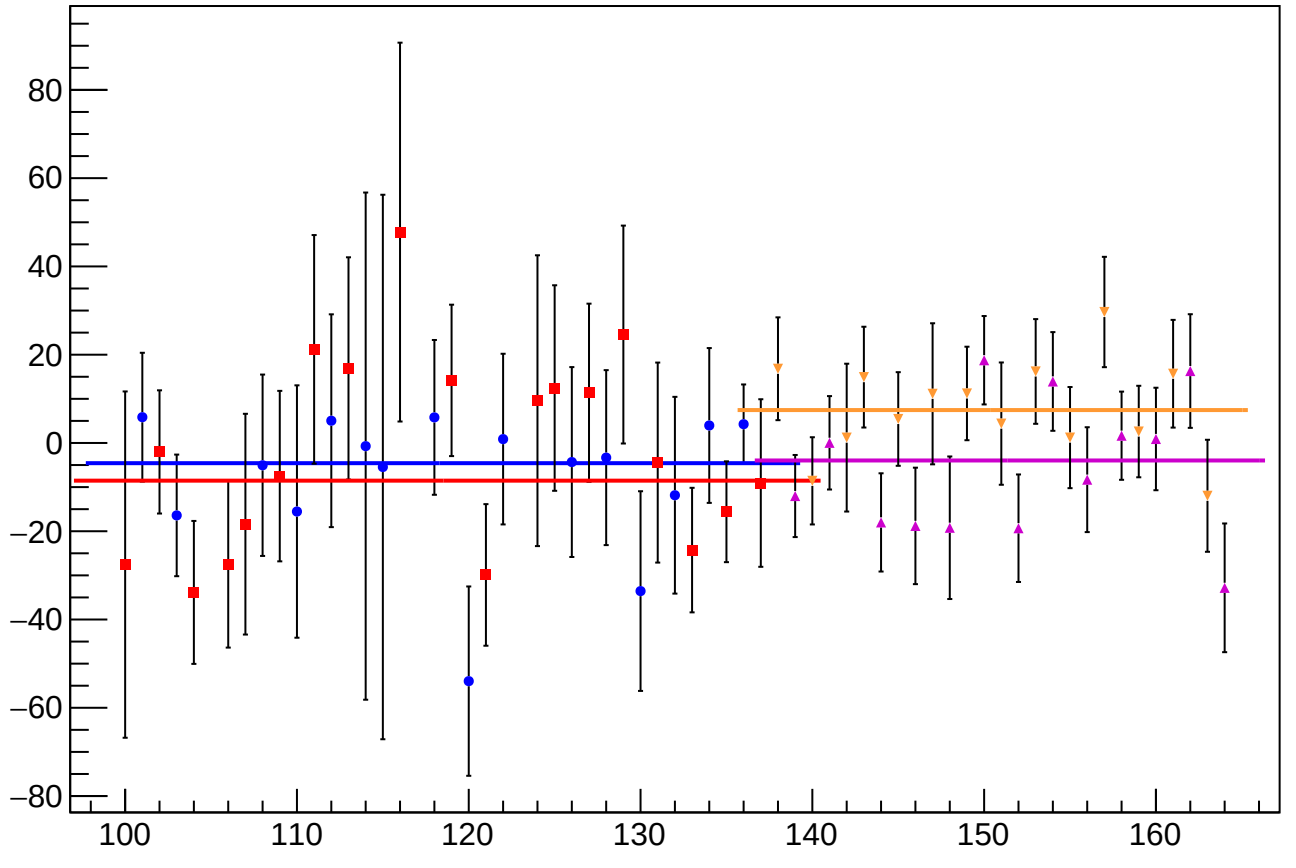
Left: 7600.477+/-1.151 χ^2/NDF: 520431.6/26

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8479.317+/-1.456 χ^2/NDF:2215238.8/28

Out: 8492.549+/-1.445 χ^2/NDF:2590965.9/32

All: 8485.983+/-1.025 χ^2/NDF: 4806246.4/61



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 7.454+/-3.176 χ^2/NDF:11.1/13

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -3.967+/-3.193 χ^2/NDF:21.0/12

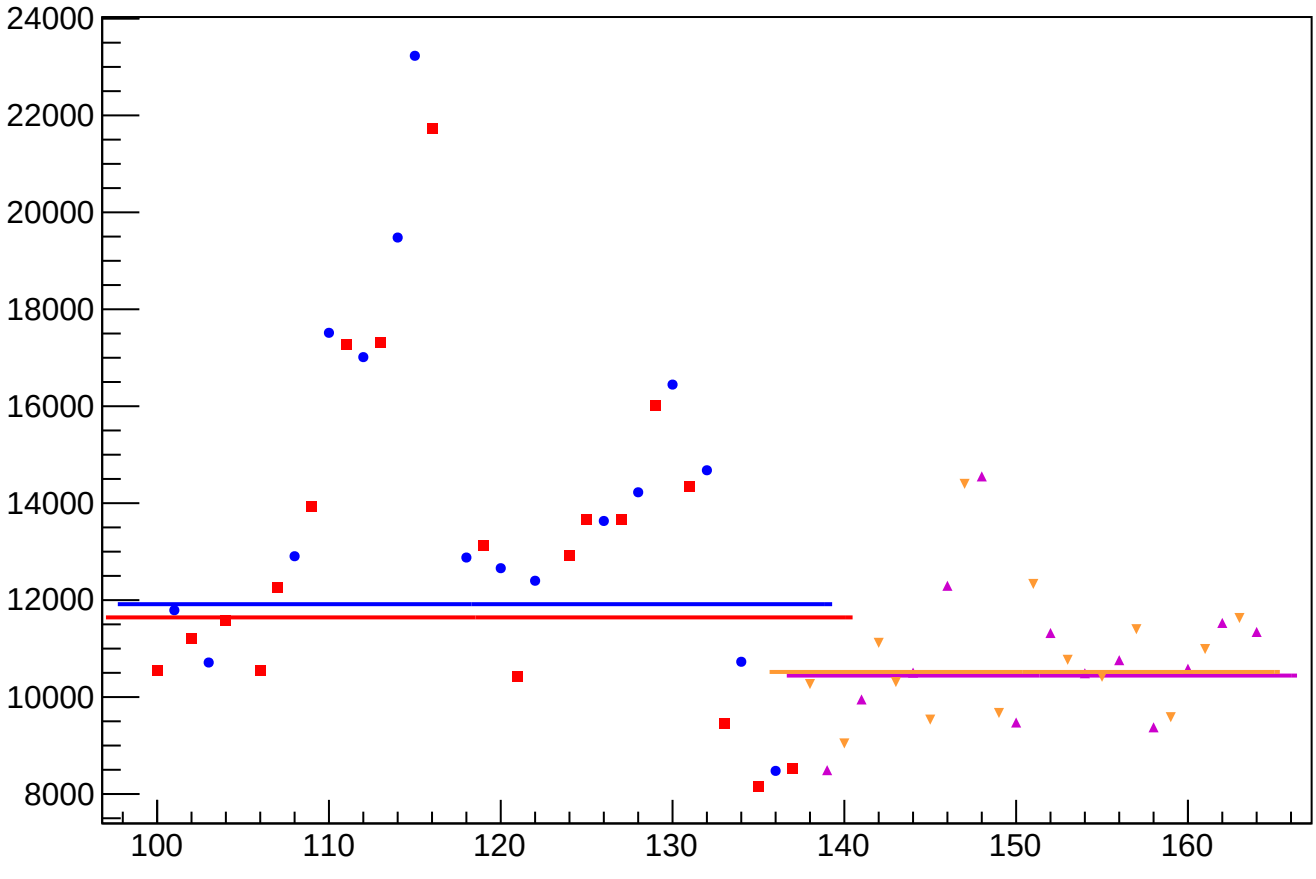
Left: 1.774+/-2.252 χ^2/NDF: 38.5/26

Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -4.168+/-2.614 χ^2/NDF:31.2/28

Out: 1.964+/-2.574 χ^2/NDF:37.0/32

All: -1.054+/-1.834 χ^2/NDF: 71.0/61



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10518.241+/-2.246 χ^2/NDF:276501.1/13

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10443.586+/-2.258 χ^2/NDF:336843.4/12

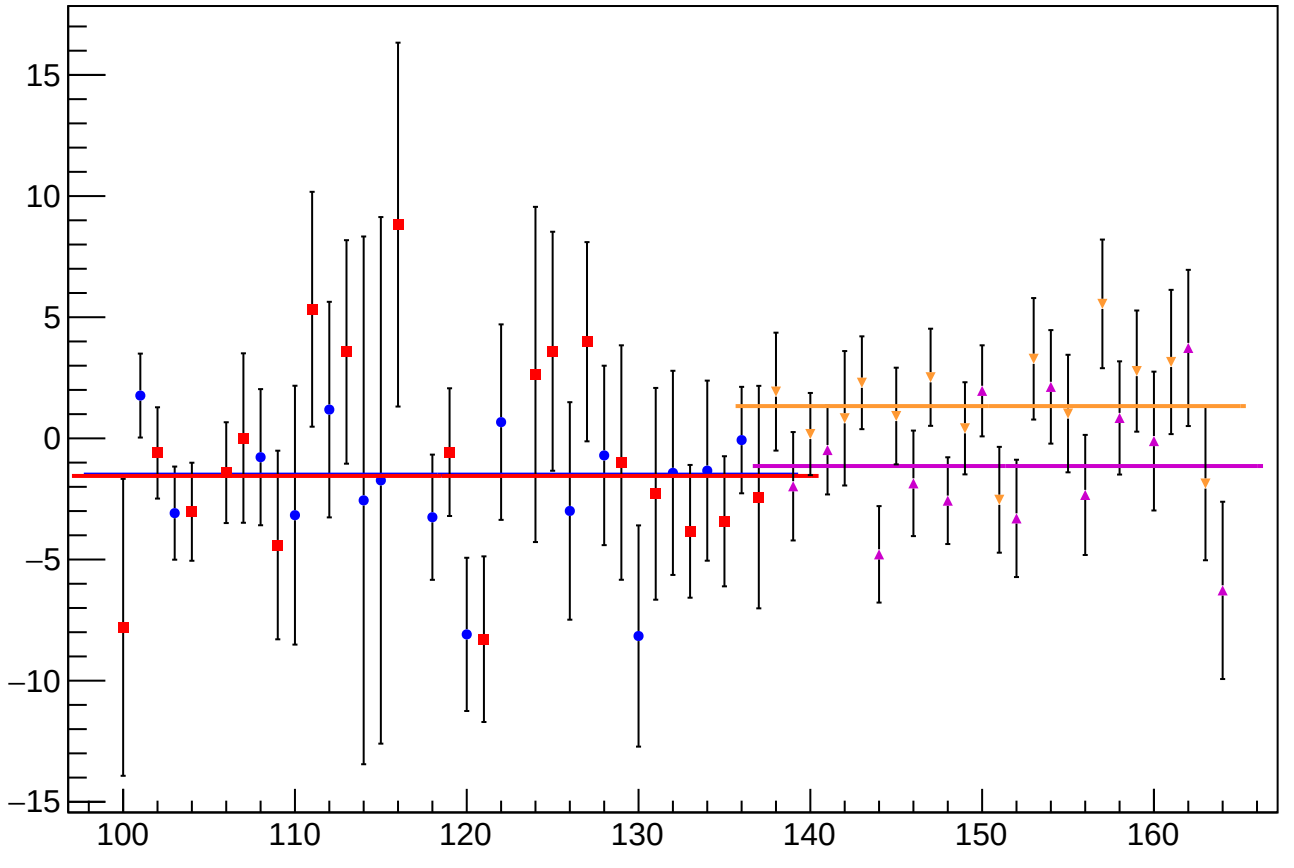
Left: 10481.108+/-1.592 χ^2/NDF: 613894.1/26

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10928.905+/-1.849 χ^2/NDF:1226862.3/28

Out: 10904.644+/-1.820 χ^2/NDF:1153074.9/32

All: 10916.585+/-1.297 χ^2/NDF: 2380024.6/6



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.332+/-0.603 χ^2/NDF:9.4/13

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -1.142+/-0.627 χ^2/NDF:15.2/12

Left: 0.142+/-0.435 χ^2/NDF: 32.7/26

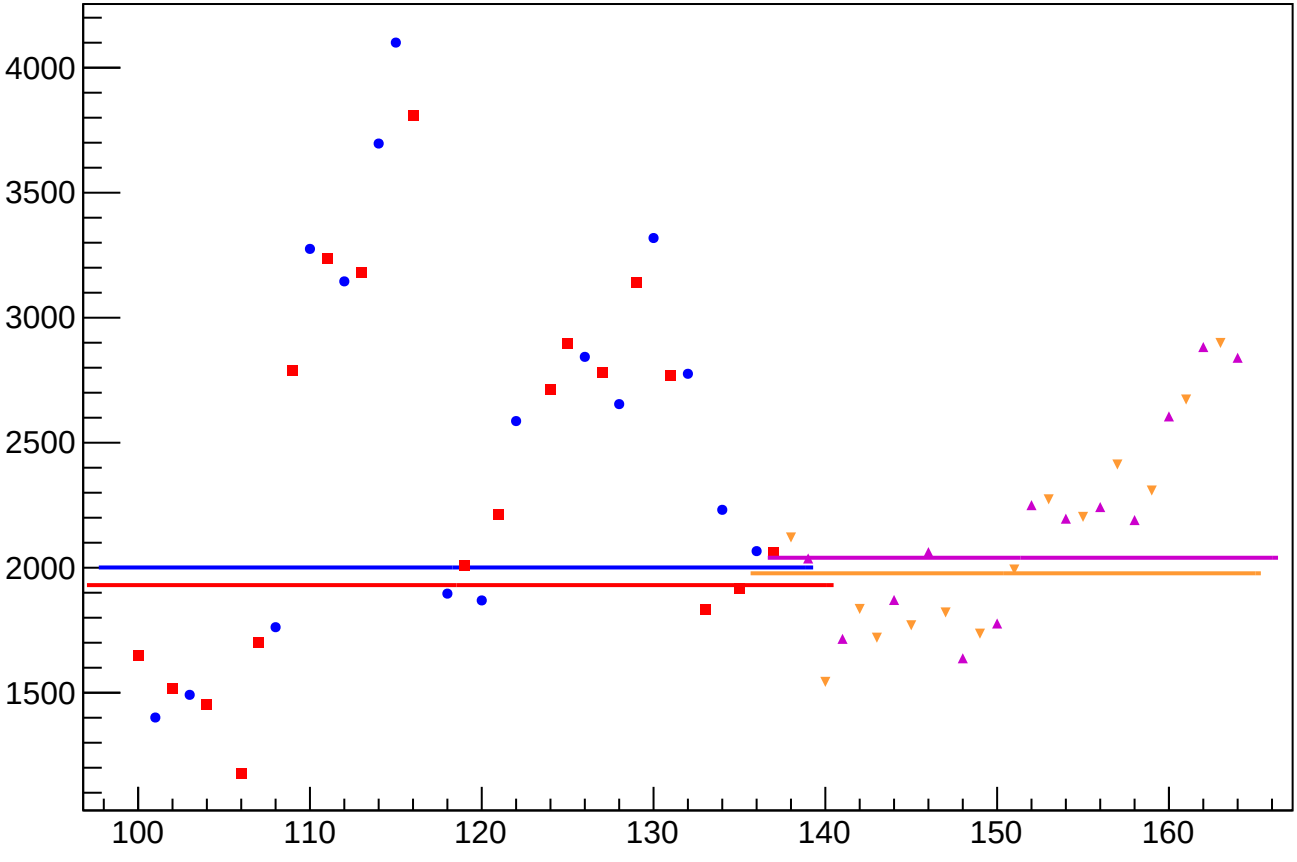
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.281+/-0.488 χ^2/NDF:27.9/28

Out: 0.190+/-0.469 χ^2/NDF:34.8/32

All: -0.516+/-0.338 χ^2/NDF: 67.4/61

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1977.676+/-0.426 χ^2/NDF:658228.4/13

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 2039.882+/-0.443 χ^2/NDF:573206.2/12

Left: 2007.595+/-0.307 χ^2/NDF: 1241667.4/26

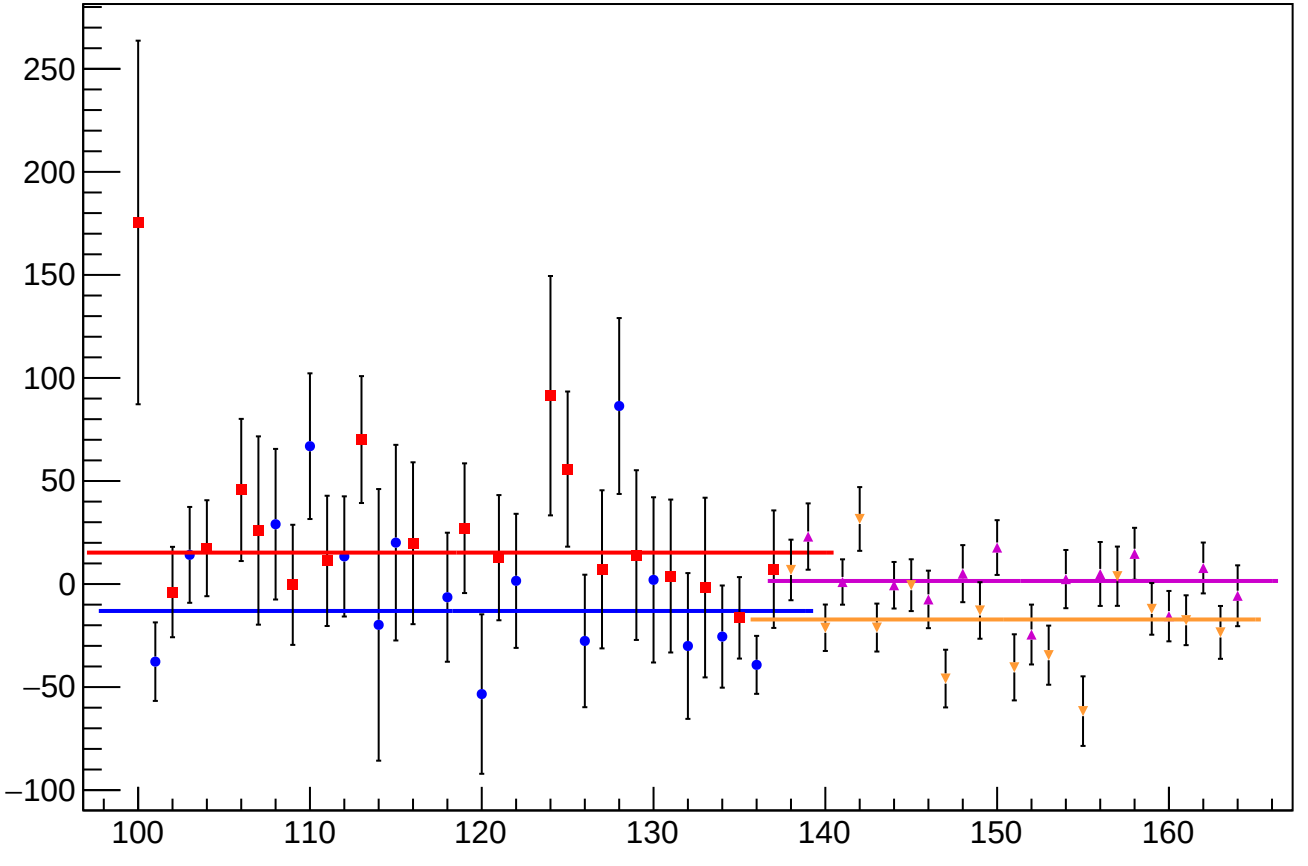
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 2024.592+/-0.345 χ^2/NDF:1766019.4/28

Out: 1958.958+/-0.331 χ^2/NDF:2066643.0/32

All: 1990.445+/-0.239 χ^2/NDF: 3851481.5/61

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -17.198+/-3.599 χ^2/NDF:31.9/13

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 1.487+/-3.676 χ^2/NDF:10.6/12

Left: -8.052+/-2.572 χ^2/NDF: 55.7/26

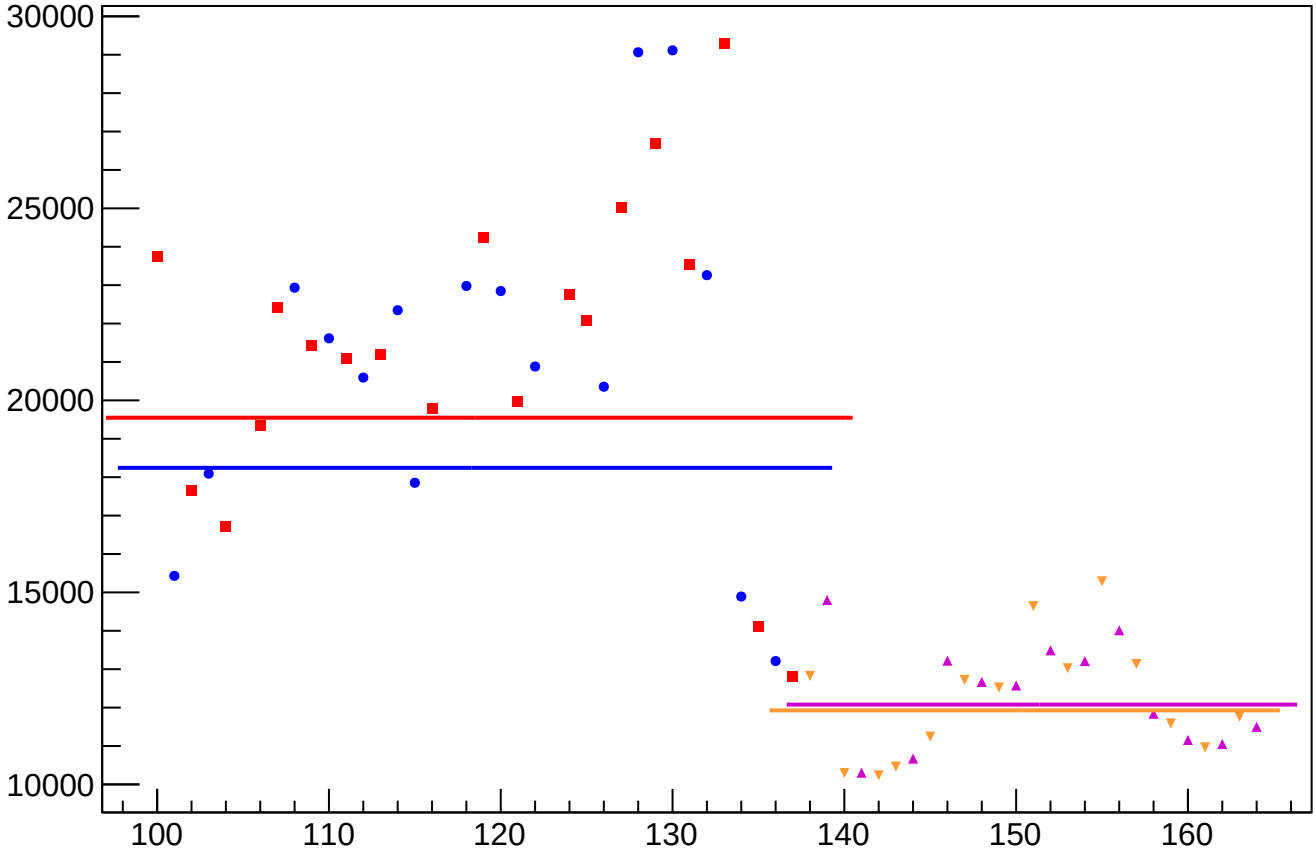
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -1.640+/-3.257 χ^2/NDF:35.8/28

Out: -10.881+/-3.230 χ^2/NDF:62.1/32

All: -6.299+/-2.293 χ^2/NDF: 102.0/61

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11928.137+/-2.545 χ^2/NDF:297867.6/13

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12078.281+/-2.599 χ^2/NDF:251914.2/12

Left: 12001.625+/-1.818 χ^2/NDF: 551485.3/26

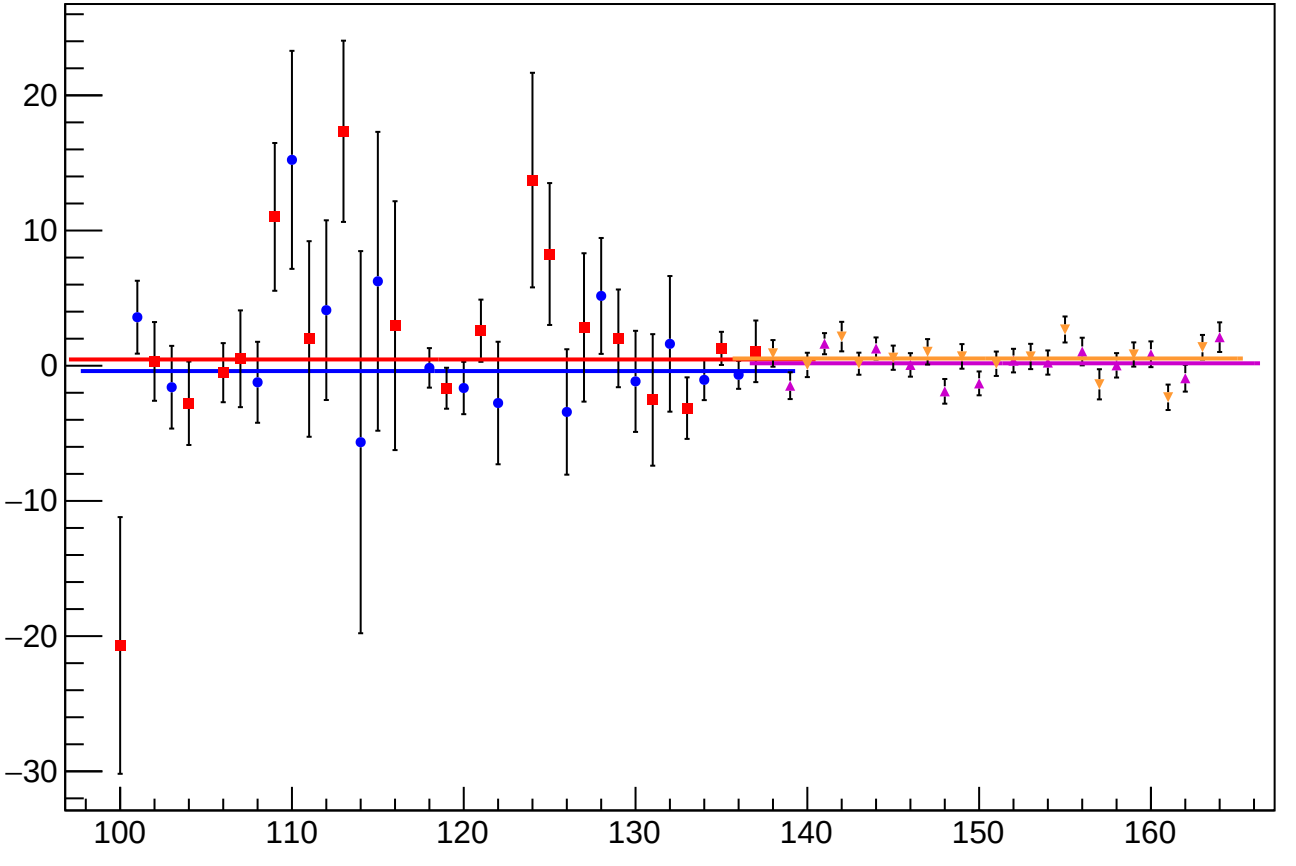
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 13403.062+/-2.303 χ^2/NDF:2280597.8/28

Out: 13411.527+/-2.284 χ^2/NDF:2664794.9/32

All: 13407.330+/-1.622 χ^2/NDF: 4945399.5/6

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.536+/-0.250 χ^2/NDF:21.6/13

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.180+/-0.253 χ^2/NDF:21.7/12

Left: 0.360+/-0.178 χ^2/NDF: 44.3/26

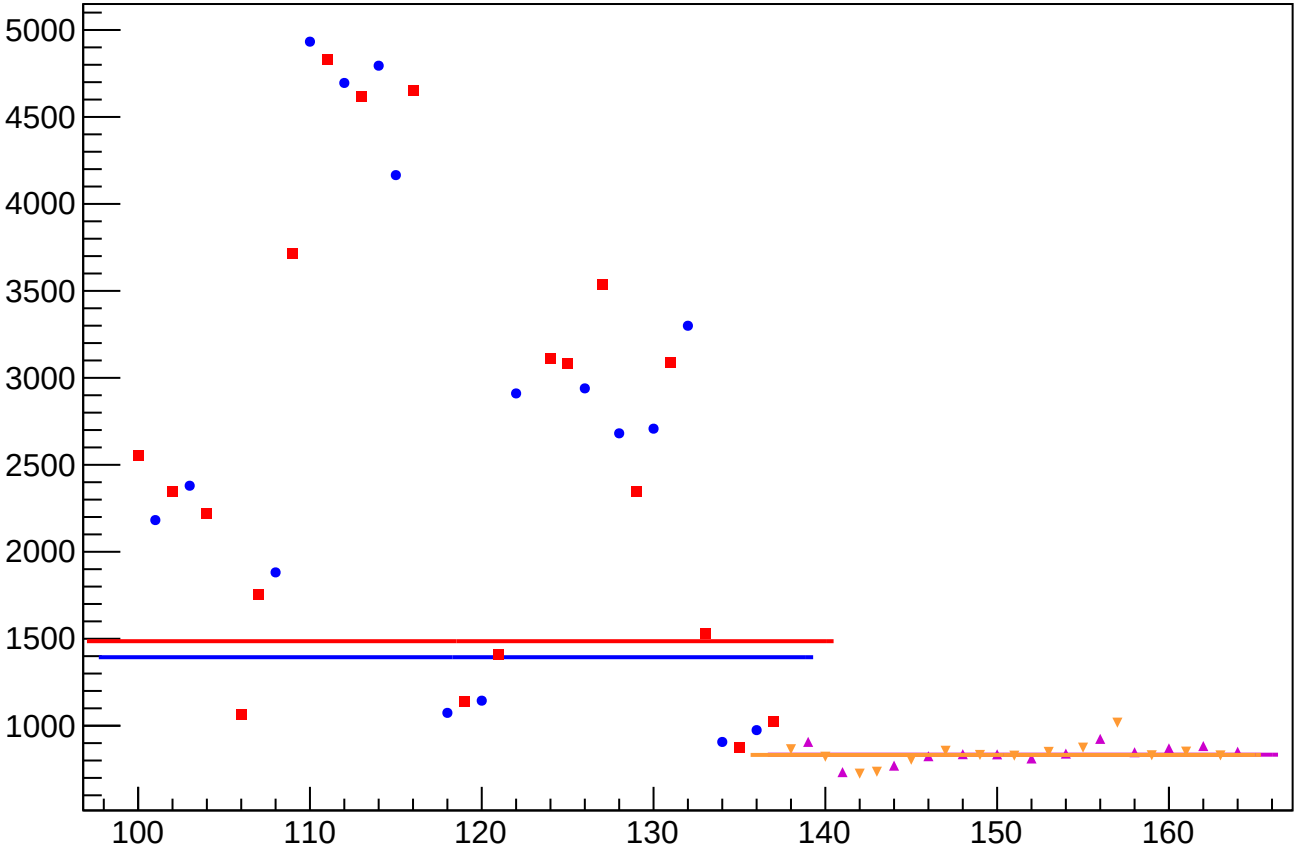
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: 0.093+/-0.233 χ^2/NDF:32.9/28

Out: 0.527+/-0.232 χ^2/NDF:49.6/32

All: 0.310+/-0.164 χ^2/NDF: 84.3/61

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 832.201+/-0.177 χ^2/NDF:113863.4/13

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 833.495+/-0.179 χ^2/NDF:82313.4/12

Left: 832.840+/-0.126 χ^2/NDF: 196203.3/26

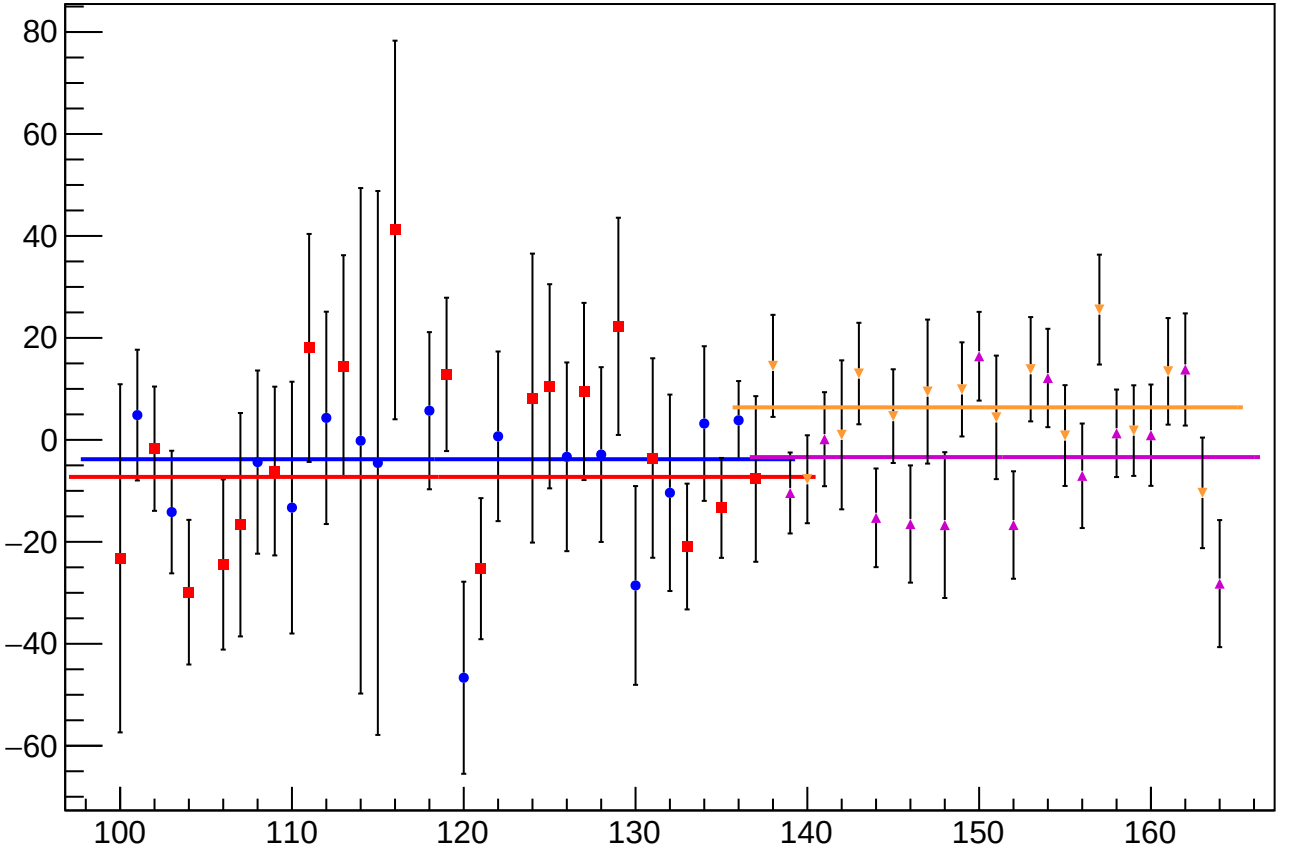
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 917.838+/-0.165 χ^2/NDF:4944888.3/28

Out: 920.031+/-0.164 χ^2/NDF:5354379.5/32

All: 918.936+/-0.116 χ^2/NDF: 10299356.7/61

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 6.384+/-2.749 χ^2/NDF:11.3/13

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -3.379+/-2.756 χ^2/NDF:21.0/12

Left: 1.515+/-1.946 χ^2/NDF: 38.6/26

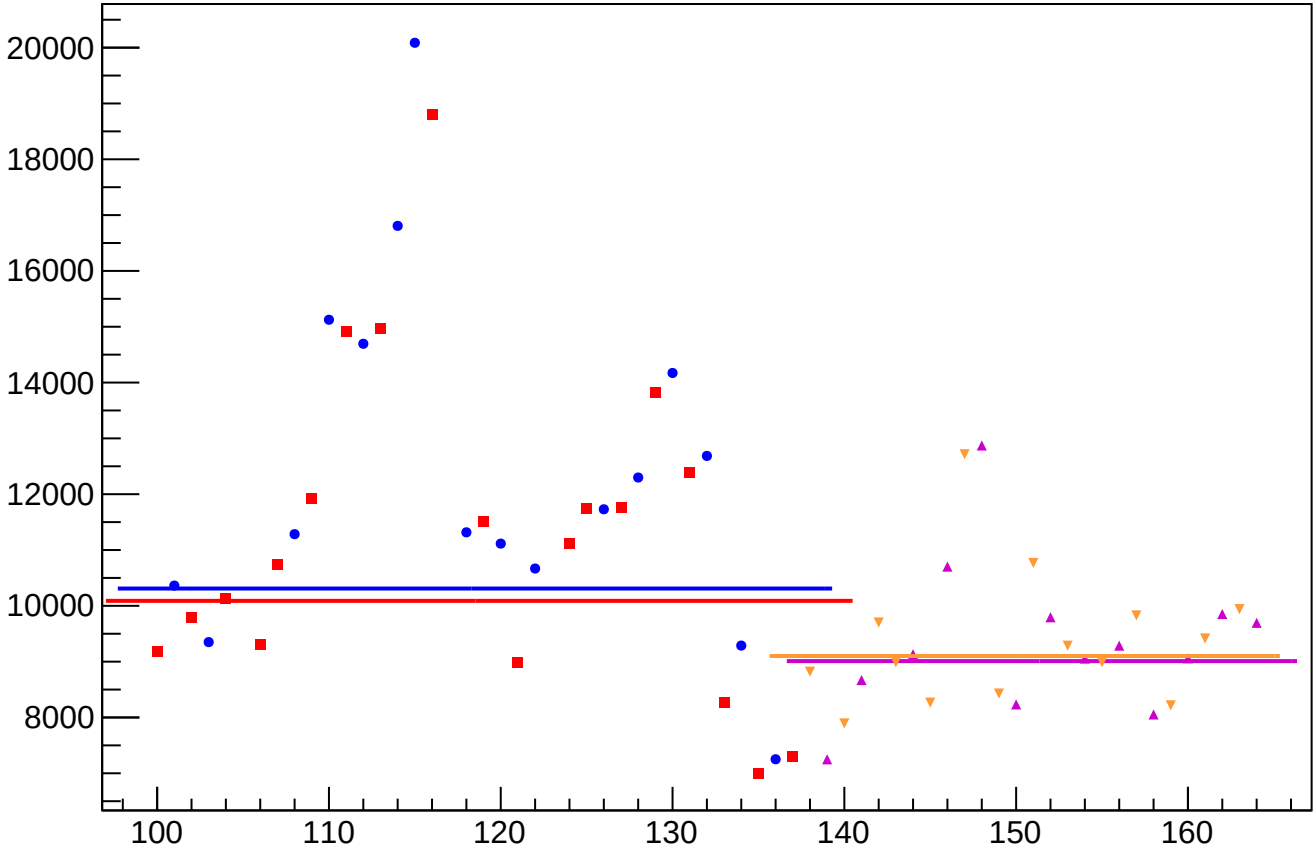
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -3.515+/-2.259 χ^2/NDF:31.1/28

Out: 1.706+/-2.229 χ^2/NDF:37.0/32

All: -0.869+/-1.587 χ^2/NDF: 70.8/61

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9101.351+/-1.944 χ^2/NDF:283972.4/13

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9009.797+/-1.949 χ^2/NDF:361741.5/12

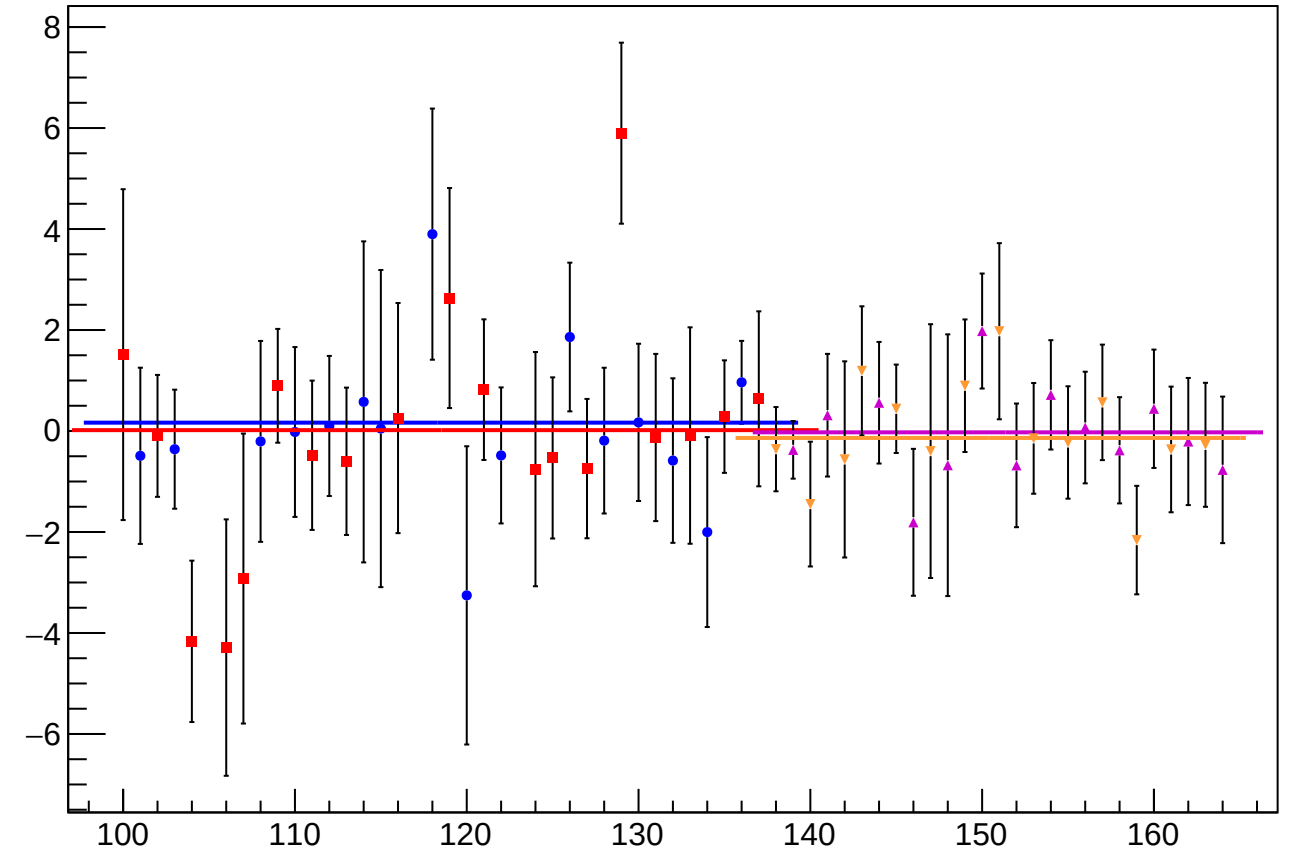
Left: 9055.695+/-1.376 χ^2/NDF: 646820.1/26

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9436.583+/-1.597 χ^2/NDF:1278330.4/28

Out: 9440.060+/-1.576 χ^2/NDF:1165339.5/32

All: 9438.345+/-1.122 χ^2/NDF: 2443672.3/61



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.137+/-0.317 χ^2/NDF:8.8/13

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: -0.026+/-0.303 χ^2/NDF:6.7/12

Left: -0.079+/-0.219 χ^2/NDF: 15.6/26

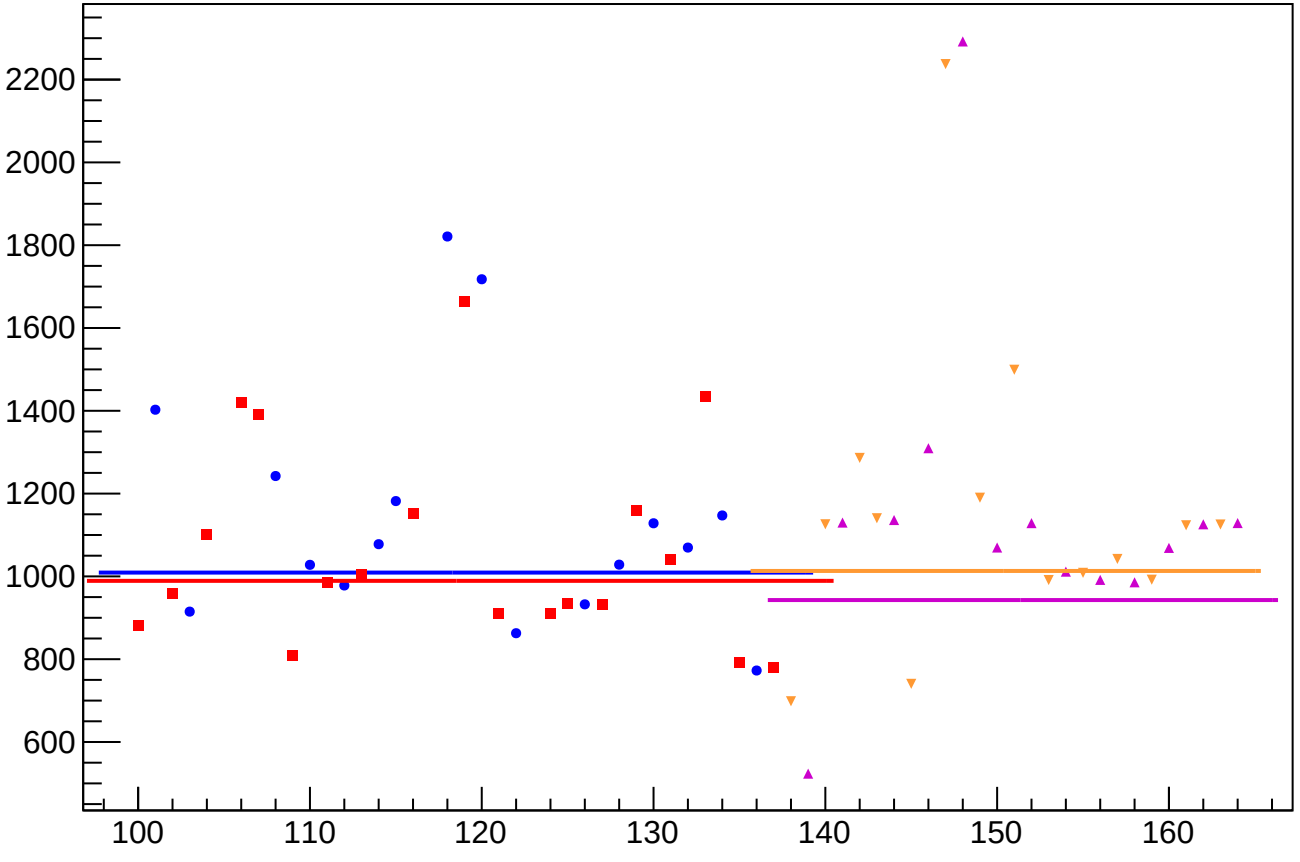
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.047+/-0.238 χ^2/NDF:14.9/28

Out: -0.072+/-0.242 χ^2/NDF:34.1/32

All: -0.012+/-0.170 χ^2/NDF: 49.2/61

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1013.140+/-0.224 χ^2/NDF:1256462.1/13

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 942.841+/-0.214 χ^2/NDF:2033721.2/12

Left: 976.320+/-0.155 χ^2/NDF: 3341541.6/26

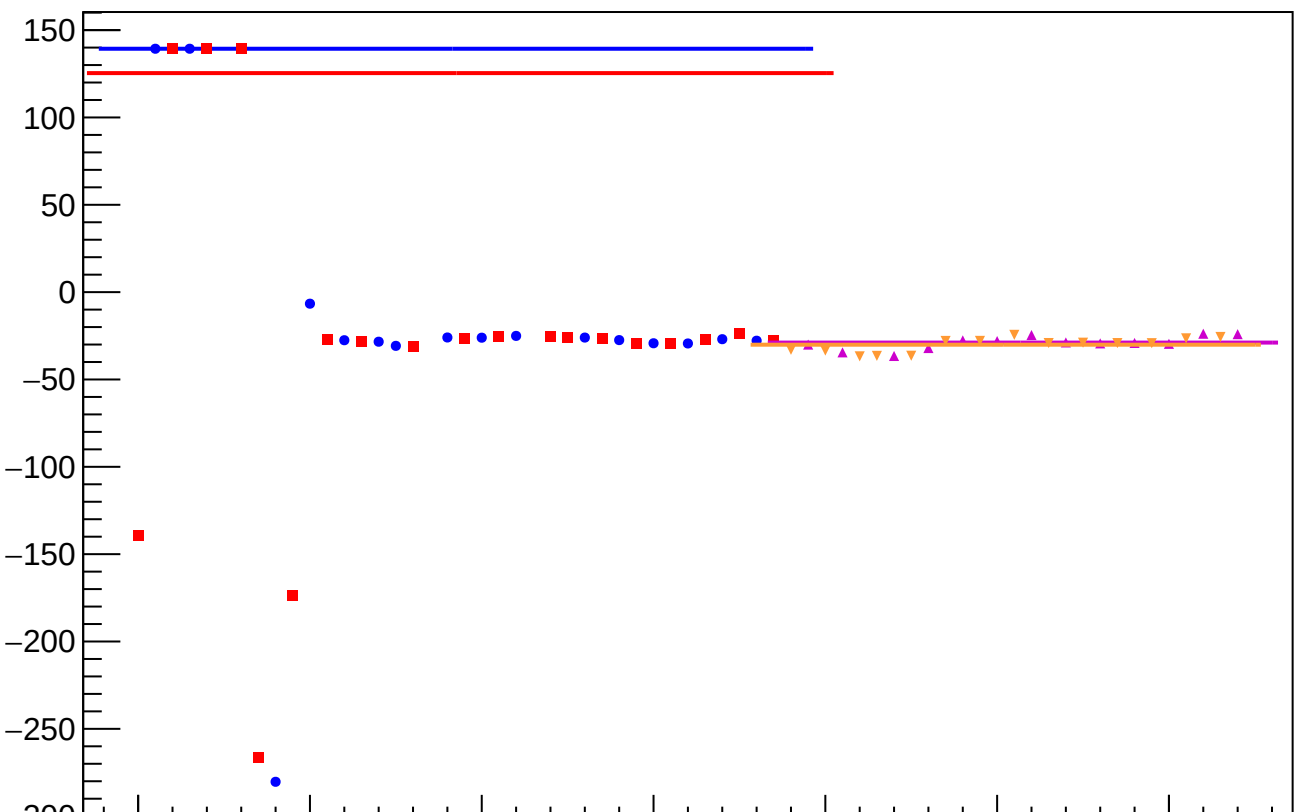
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 968.097+/-0.168 χ^2/NDF:2769610.2/28

Out: 1003.077+/-0.171 χ^2/NDF:1836992.4/32

All: 985.349+/-0.120 χ^2/NDF: 4627859.0/61

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -30.091+/-0.000 χ^2/NDF:100445913.5/13

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -28.877+/-0.000 χ^2/NDF:85708224.6/12

Left: -29.500+/-0.000 χ^2/NDF: 190222693.9/26

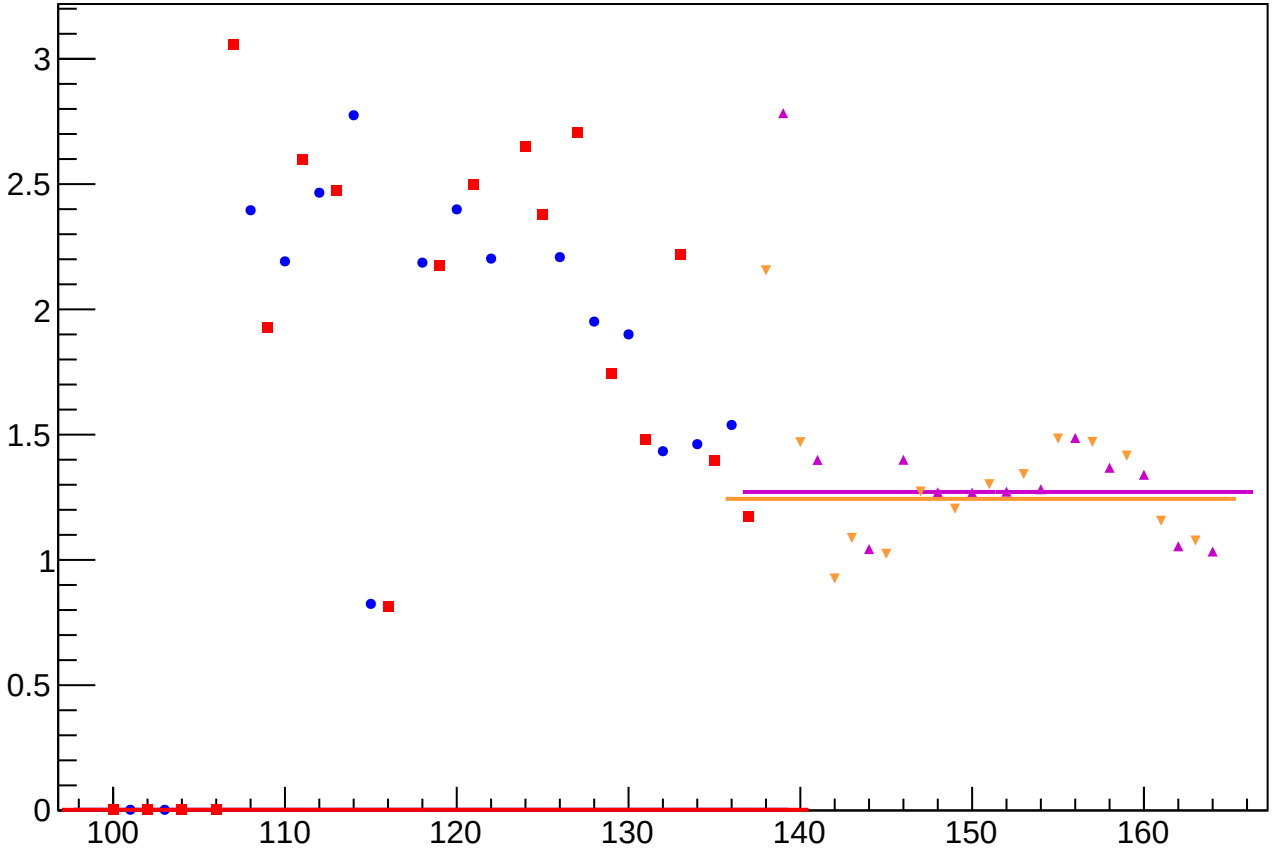
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.332+/-0.000 χ^2/NDF:199257132774.9/28

Out: 125.388+/-0.000 χ^2/NDF:774310409233234.

All: 131.814+/-0.000 χ^2/NDF: 793292741610

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.244+/-0.000 χ^2/NDF:556246.2/13

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.271+/-0.000 χ^2/NDF:721866.8/12

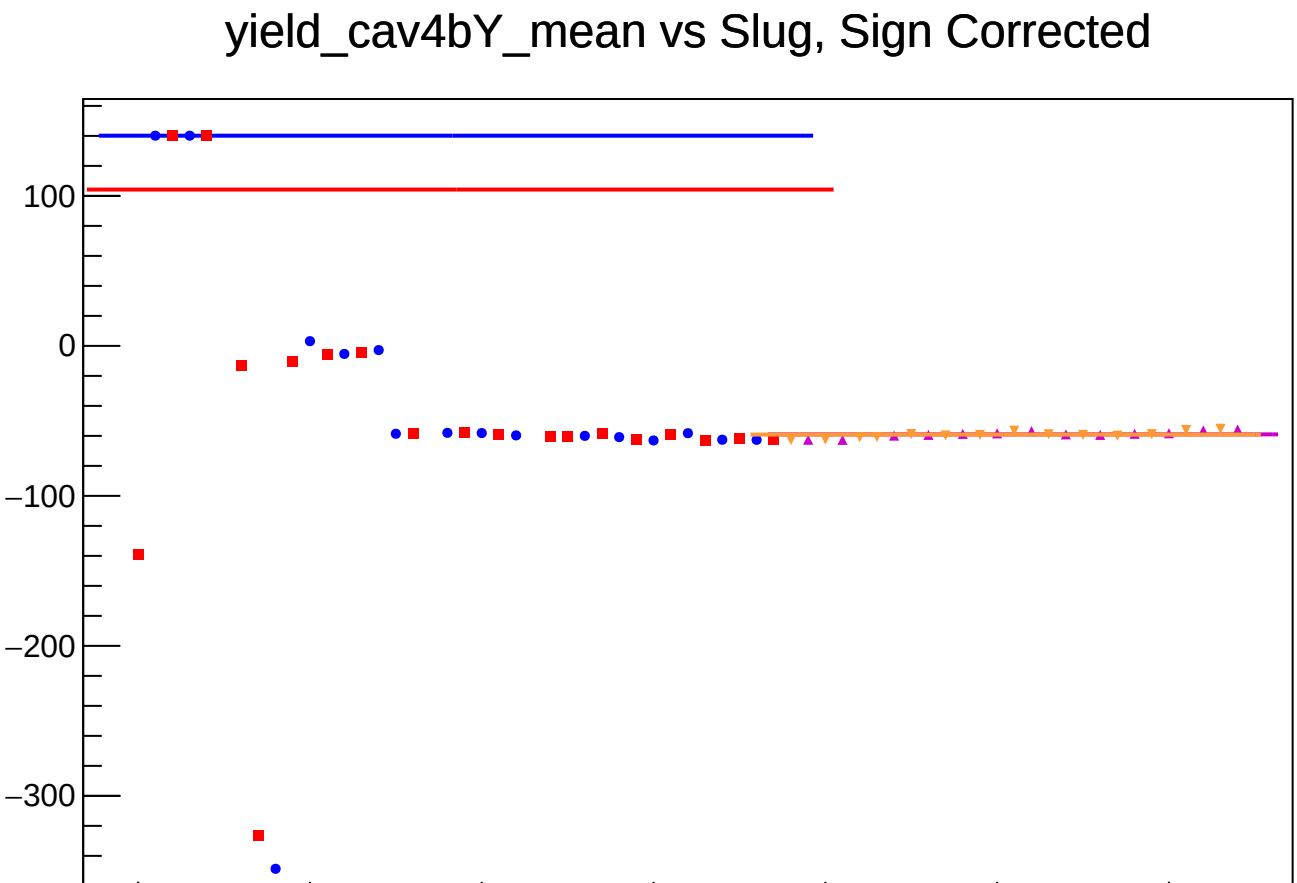
Left: 1.257+/-0.000 χ^2/NDF: 1282325.5/26

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

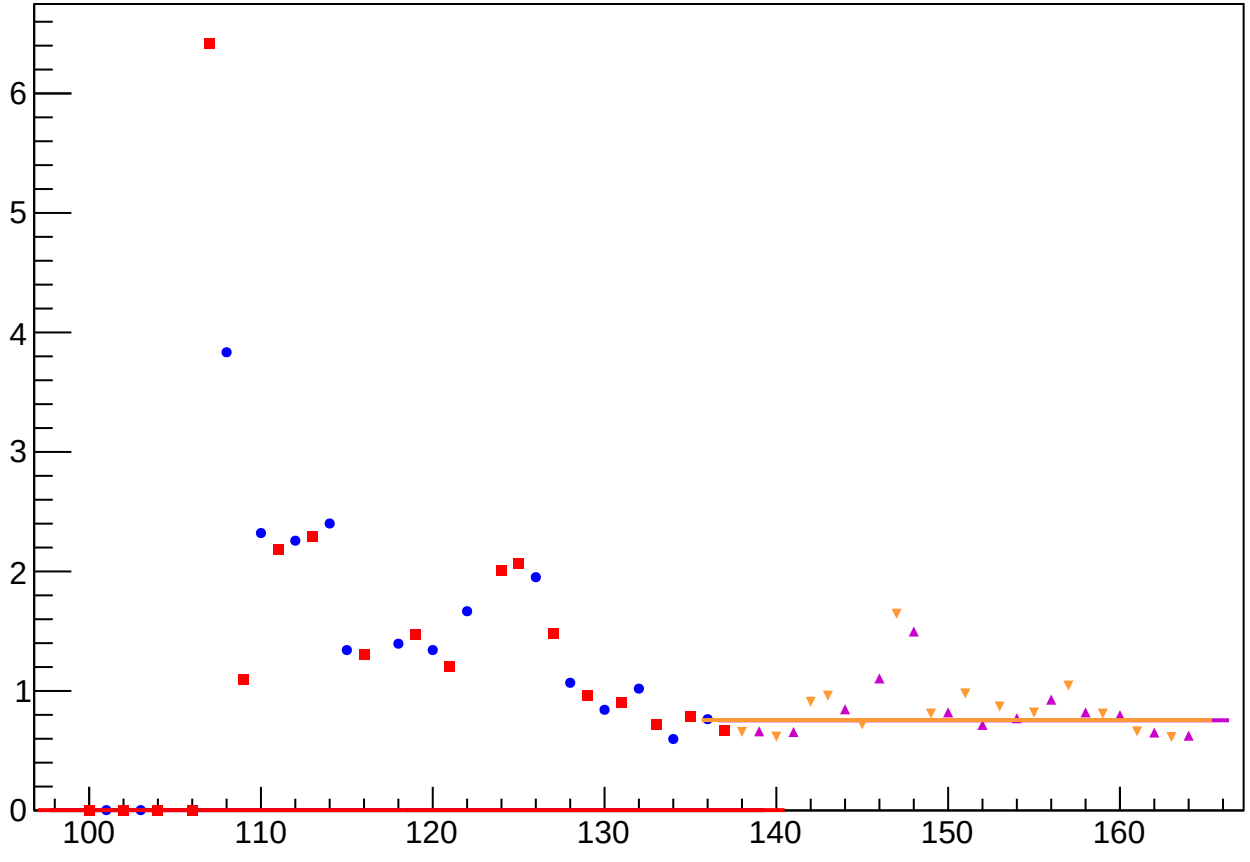
In: 0.003+/-0.000 χ^2/NDF:27586999.1/28

Out: 0.003+/-0.000 χ^2/NDF:27769511.8/32

All: 0.003+/-0.000 χ^2/NDF: 55356751.3/61


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -59.124+/-0.000 χ²/NDF:102371050.0/13
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -58.993+/-0.000 χ²/NDF:88552239.0/12
Left: -59.058+/-0.000 χ²/NDF: 191050815.1/26
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.127+/-0.000 χ²/NDF:777483361961.3/28
Out: 104.213+/-0.000 χ²/NDF:125779812839177
All: 120.818+/-0.000 χ²/NDF: 13818577452

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.756+/-0.000 χ^2/NDF:921843.4/13

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.754+/-0.000 χ^2/NDF:713524.9/12

Left: 0.755+/-0.000 χ^2/NDF: 1635436.1/26

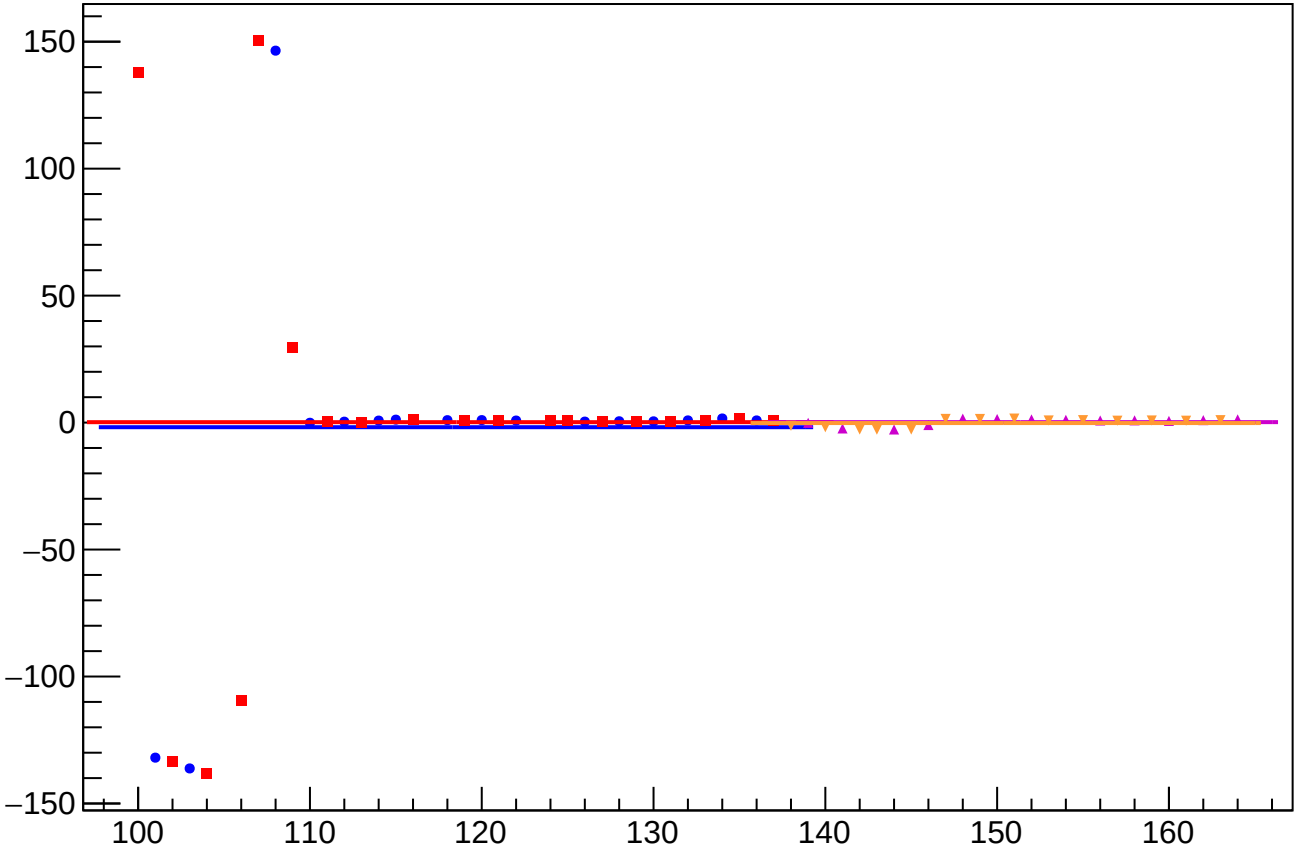
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:28102377.6/28

Out: 0.003+/-0.000 χ^2/NDF:28061779.4/32

All: 0.003+/-0.000 χ^2/NDF: 56164488.6/61

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.182+/-0.000 χ^2/NDF:90735804.8/13

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.179+/-0.000 χ^2/NDF:66086211.3/12

Left: -0.008+/-0.000 χ^2/NDF: 158805379.6/26

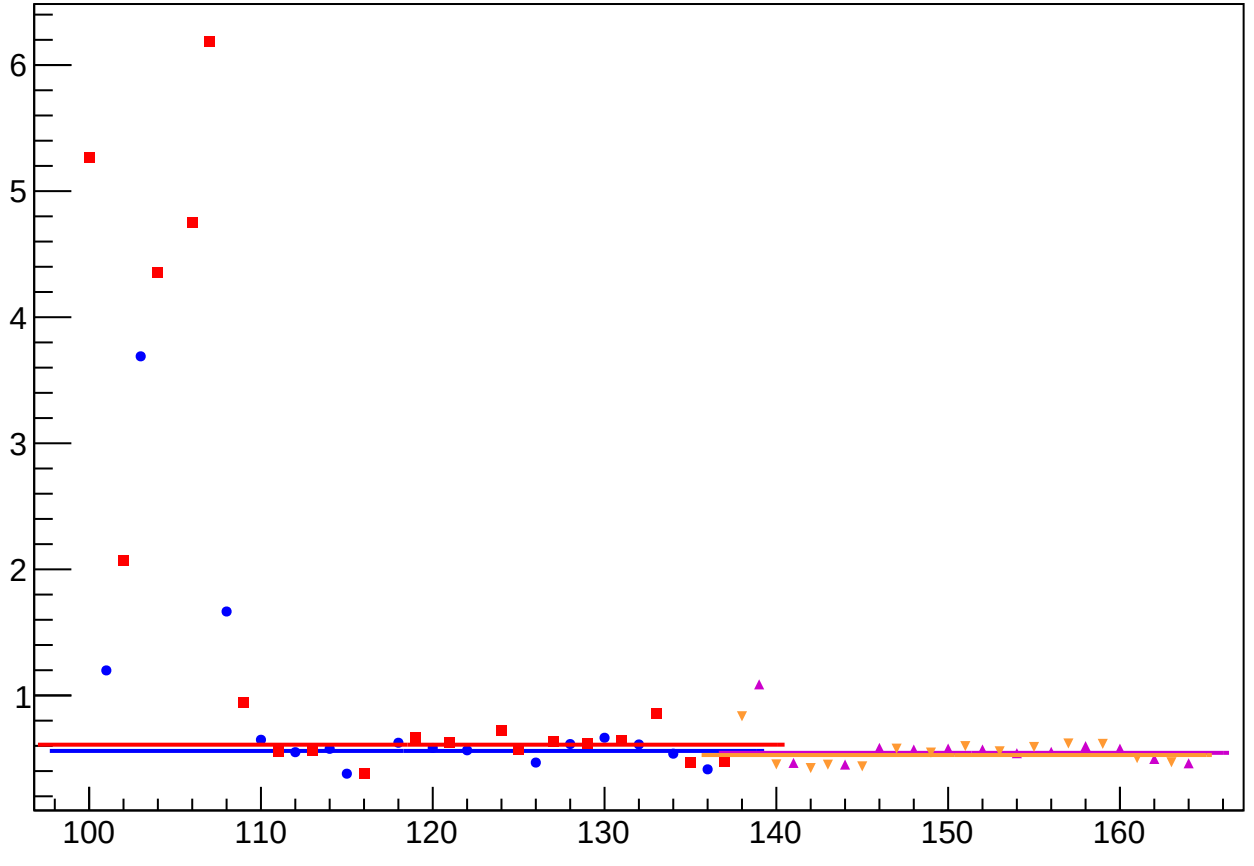
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.529+/-0.000 χ^2/NDF:9994770945.1/28

Out: -0.079+/-0.000 χ^2/NDF:3703111178.7/32

All: -0.306+/-0.000 χ^2/NDF: 13702466317.5/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.527+/-0.000 χ^2/NDF:464348.6/13

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.545+/-0.000 χ^2/NDF:590436.0/12

Left: 0.536+/-0.000 χ^2/NDF: 1064016.0/26

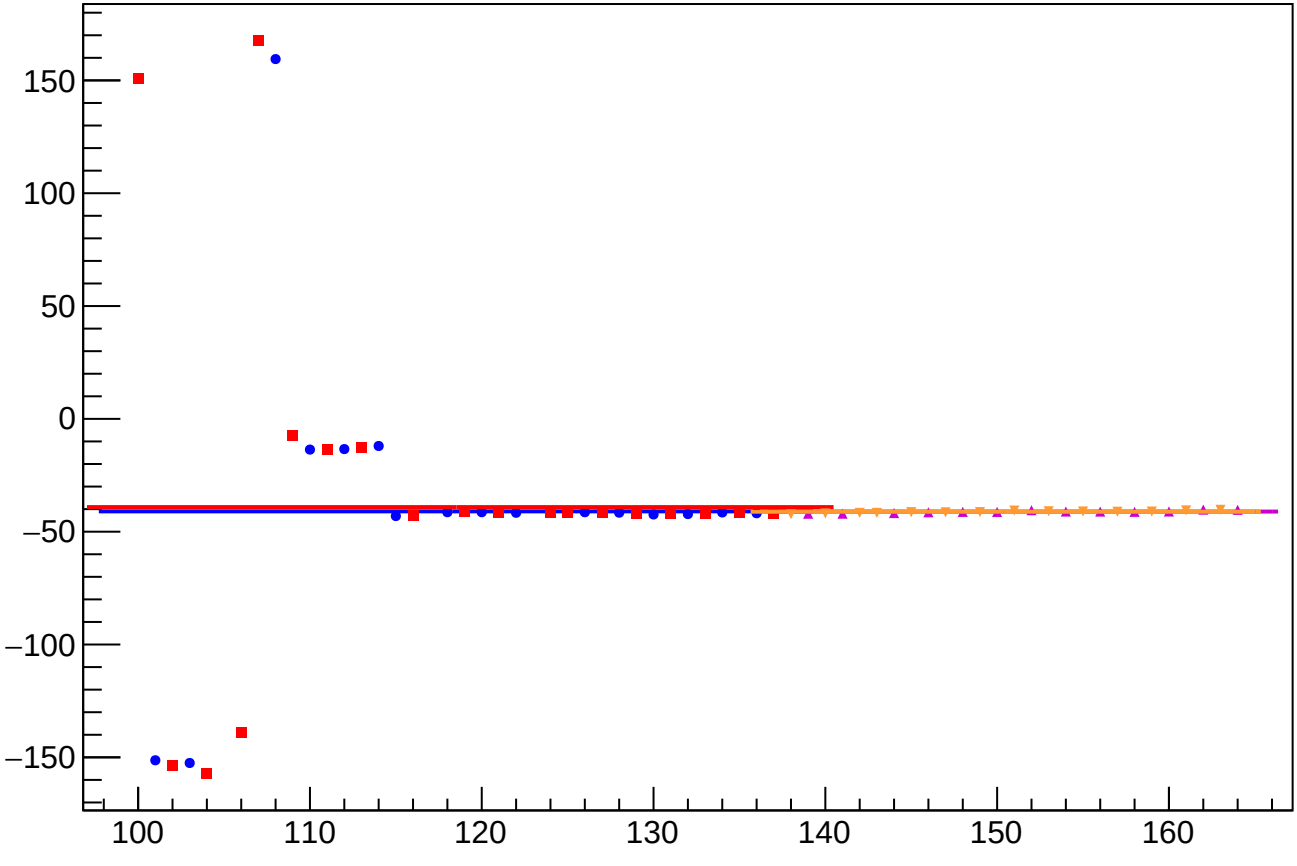
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.550+/-0.000 χ^2/NDF:2193668.6/28

Out: 0.552+/-0.000 χ^2/NDF:3066981.8/32

All: 0.551+/-0.000 χ^2/NDF: 5260784.5/61

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.137+/-0.000 χ^2/NDF:19892605.4/13

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.084+/-0.000 χ^2/NDF:23173826.0/12

Left: -41.111+/-0.000 χ^2/NDF: 43191228.3/26

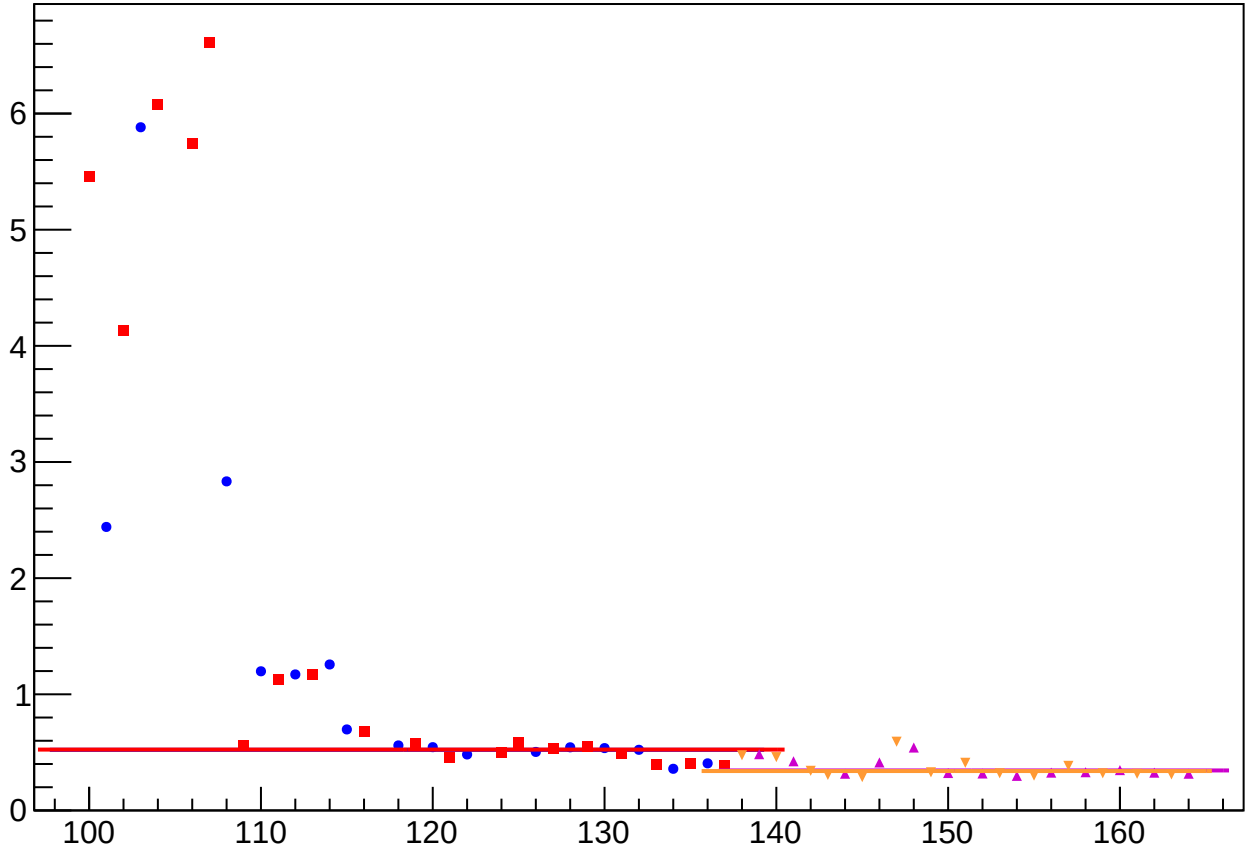
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.067+/-0.000 χ^2/NDF:3472938803.3/28

Out: -40.798+/-0.000 χ^2/NDF:2561898355.4/32

All: -40.930+/-0.000 χ^2/NDF: 6038657530.7/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.339+/-0.000 χ^2/NDF:705132.7/13

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.344+/-0.000 χ^2/NDF:532265.7/12

Left: 0.342+/-0.000 χ^2/NDF: 1239736.2/26

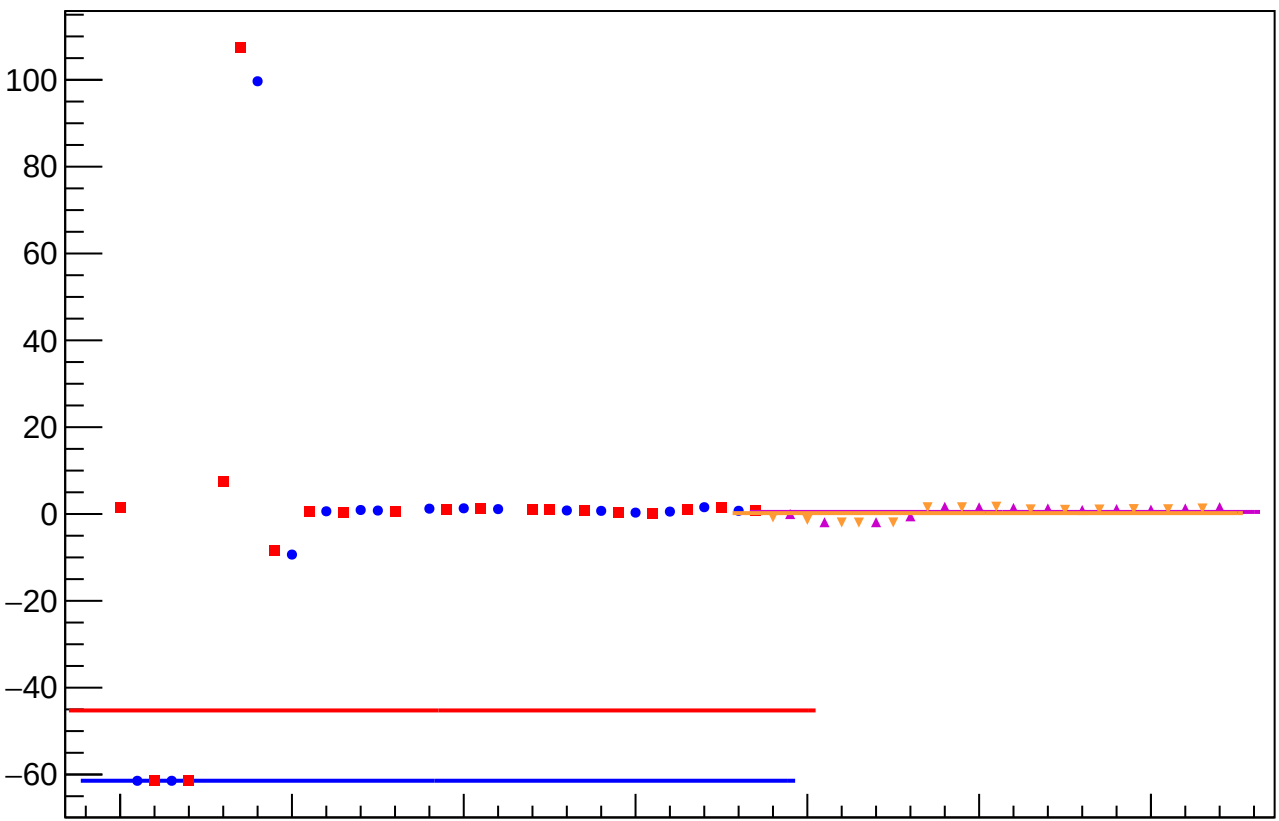
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.376+/-0.000 χ^2/NDF:4438383.8/28

Out: 0.370+/-0.000 χ^2/NDF:4987297.2/32

All: 0.373+/-0.000 χ^2/NDF: 9429362.9/61

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.201+/-0.000 χ^2/NDF:92768246.4/13

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.479+/-0.000 χ^2/NDF:72956453.9/12

Left: 0.335+/-0.000 χ^2/NDF: 167356905.4/26

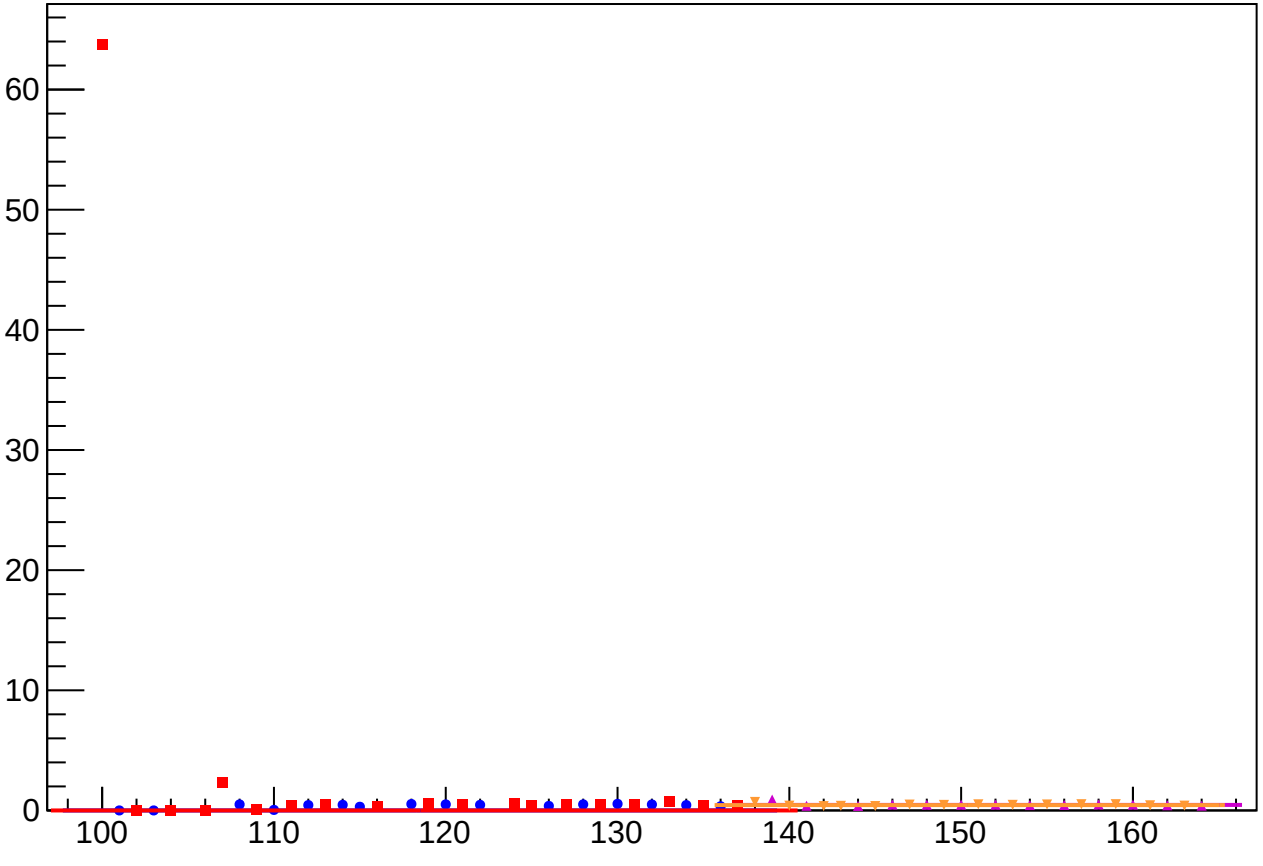
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.429+/-0.000 χ^2/NDF:431024099272.9/28

Out: -45.240+/-0.000 χ^2/NDF:357961375589718.7

All: -52.743+/-0.000 χ^2/NDF: 409361925913

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.446+/-0.000 χ^2/NDF:453027.4/13

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.461+/-0.000 χ^2/NDF:564760.5/12

Left: 0.453+/-0.000 χ^2/NDF: 1027212.8/26

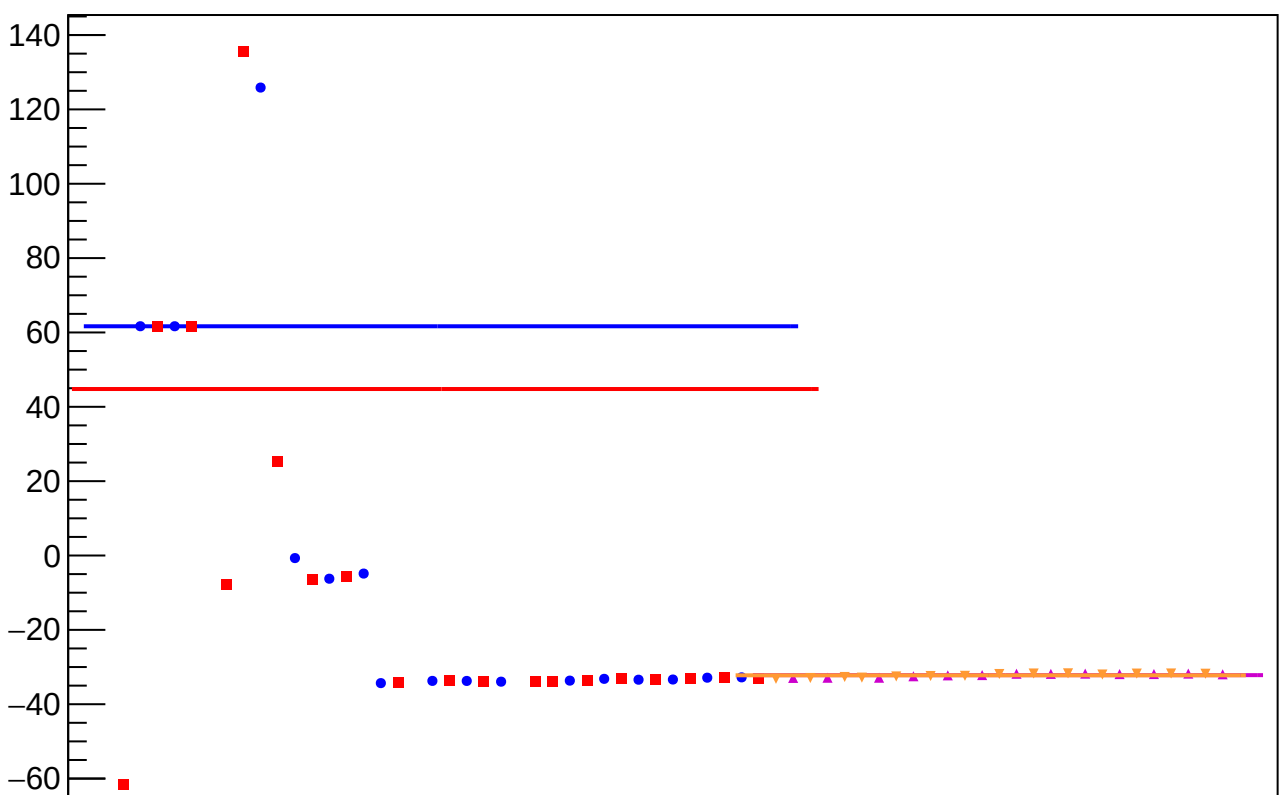
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:27049604.8/28

Out: 0.002+/-0.000 χ^2/NDF:27192052.9/32

All: 0.002+/-0.000 χ^2/NDF: 54241681.3/61

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.220+/-0.000 χ^2/NDF:29609005.3/13

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.178+/-0.000 χ^2/NDF:22995871.6/12

Left: -32.200+/-0.000 χ^2/NDF: 52709026.5/26

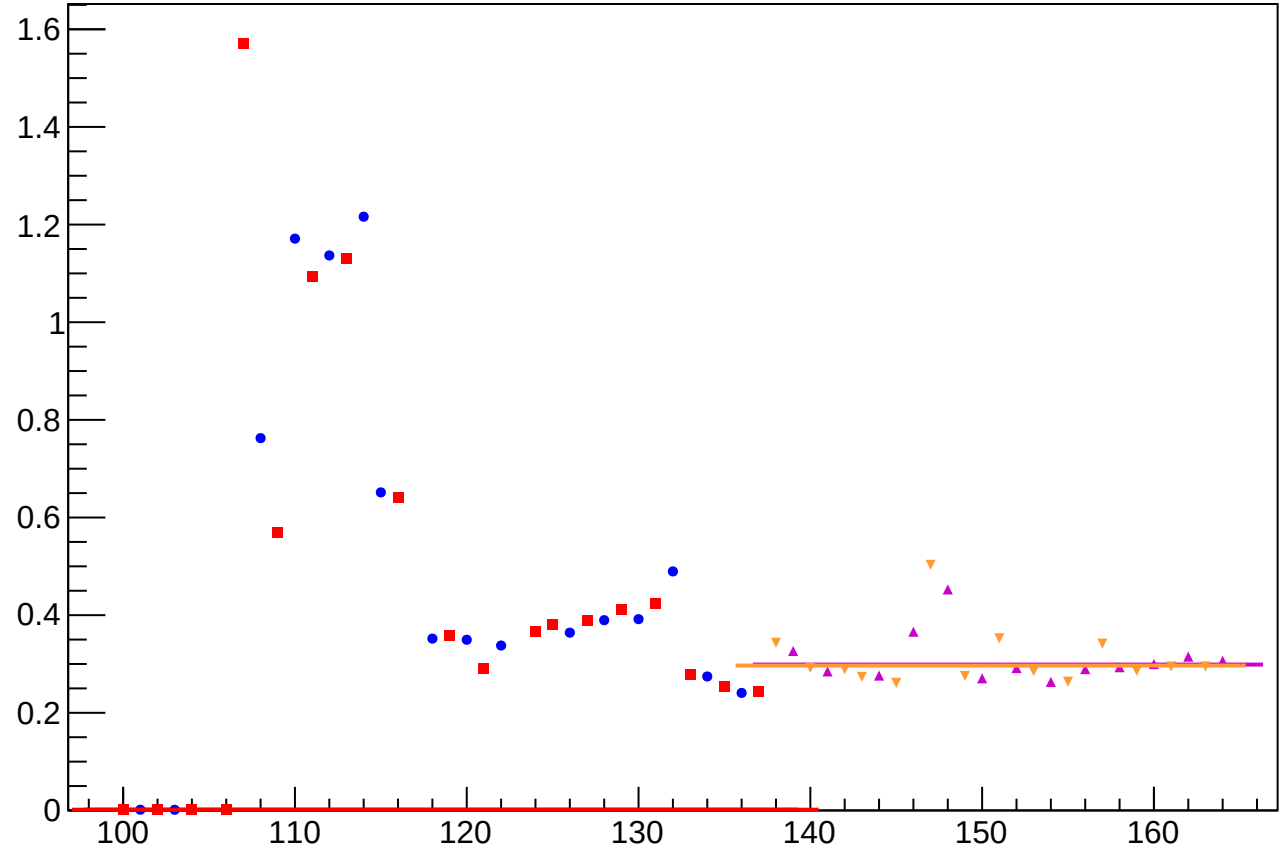
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.630+/-0.000 χ^2/NDF:1392600717667.4/28

Out: 44.762+/-0.000 χ^2/NDF:366803588103224.9

All: 52.661+/-0.000 χ^2/NDF: 4192666642972

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.297+/-0.000 χ^2/NDF:443354.9/13

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.299+/-0.000 χ^2/NDF:324529.9/12

Left: 0.298+/-0.000 χ^2/NDF: 768377.3/26

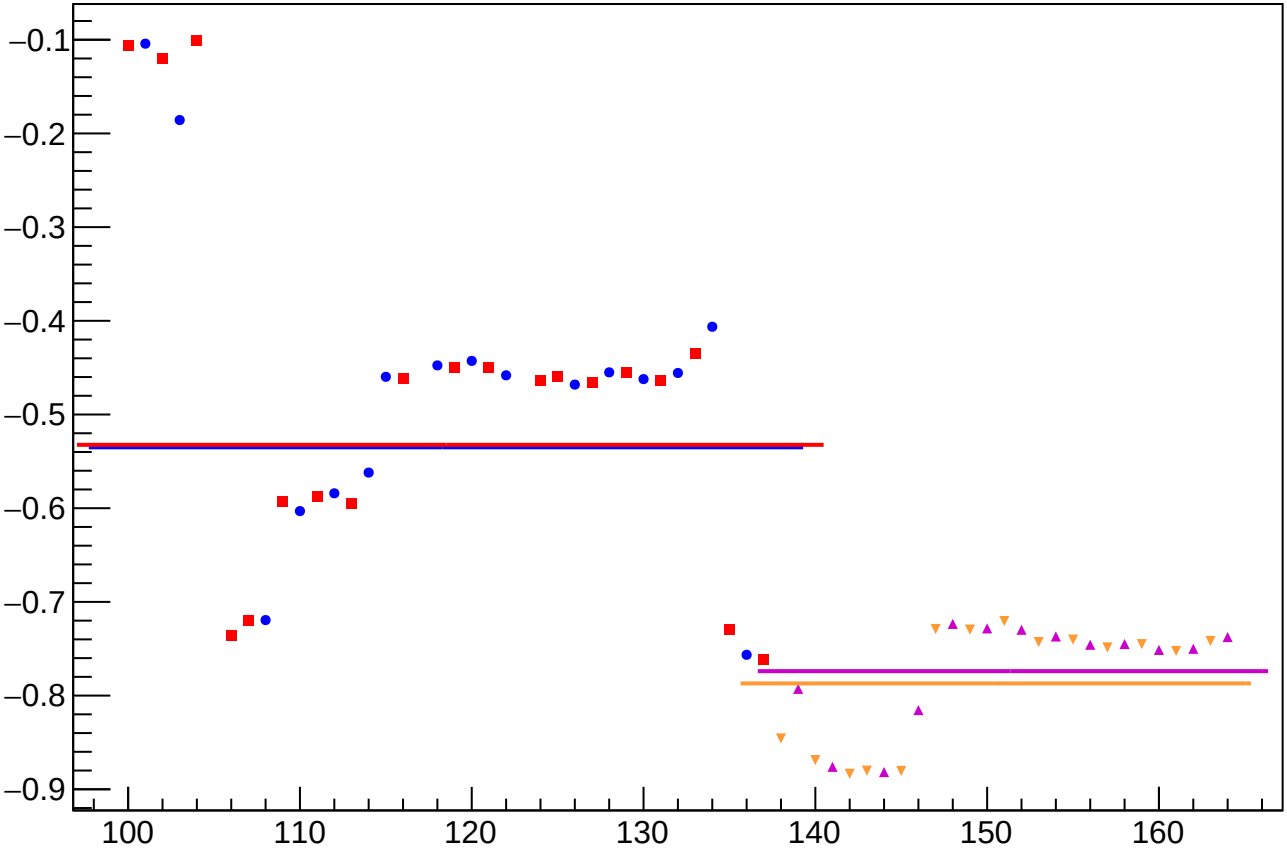
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:31887335.4/28

Out: 0.002+/-0.000 χ^2/NDF:31839433.4/32

All: 0.002+/-0.000 χ^2/NDF: 63726795.6/61

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.787+/-0.000 χ^2/NDF:101468386.9/13

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.774+/-0.000 χ^2/NDF:73299789.9/12

Left: -0.781+/-0.000 χ^2/NDF: 176736677.4/26

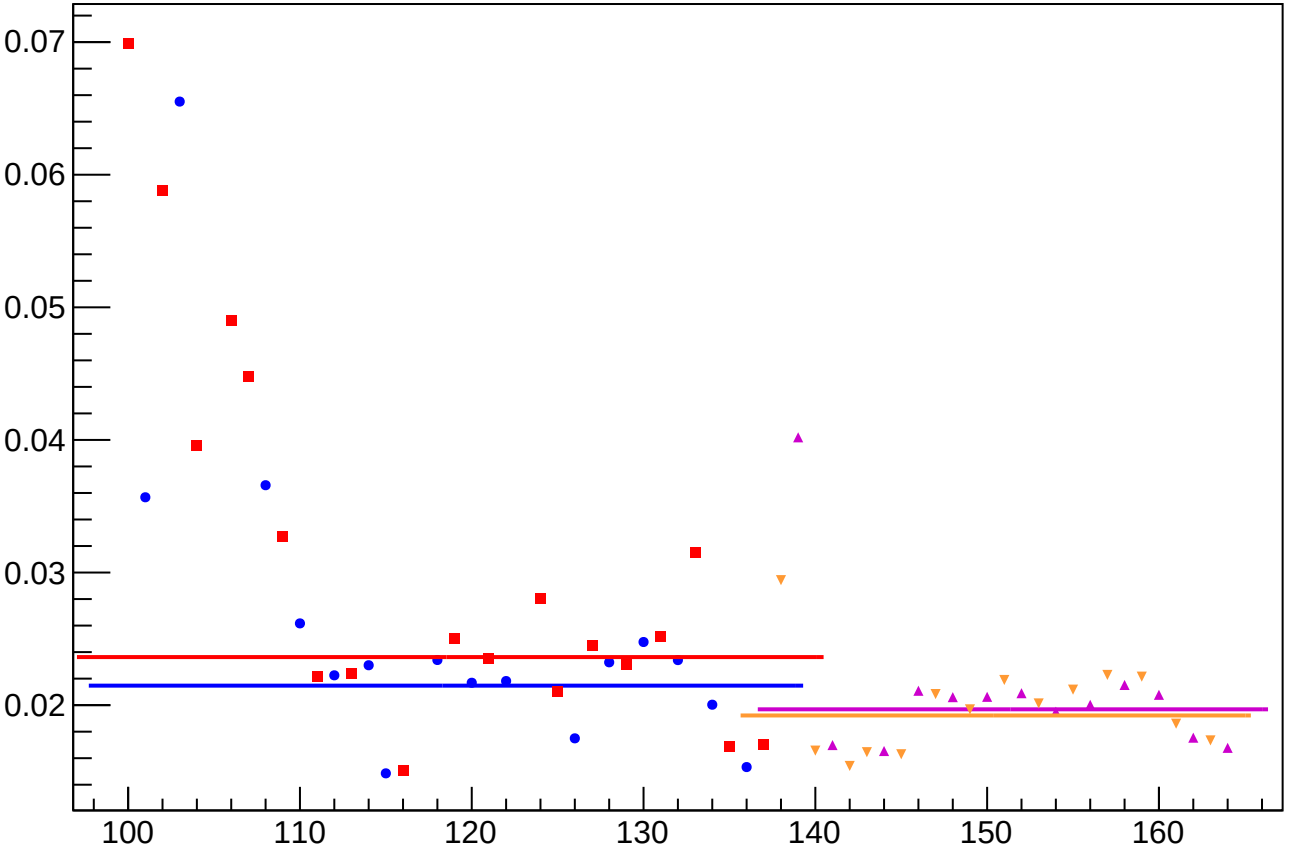
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.692+/-0.000 χ^2/NDF:810922942.9/28

Out: -0.711+/-0.000 χ^2/NDF:771026728.3/32

All: -0.702+/-0.000 χ^2/NDF: 1588089699.2/6

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:404120.0/13

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:597930.7/12

Left: 0.019+/-0.000 χ^2/NDF: 1006982.5/26

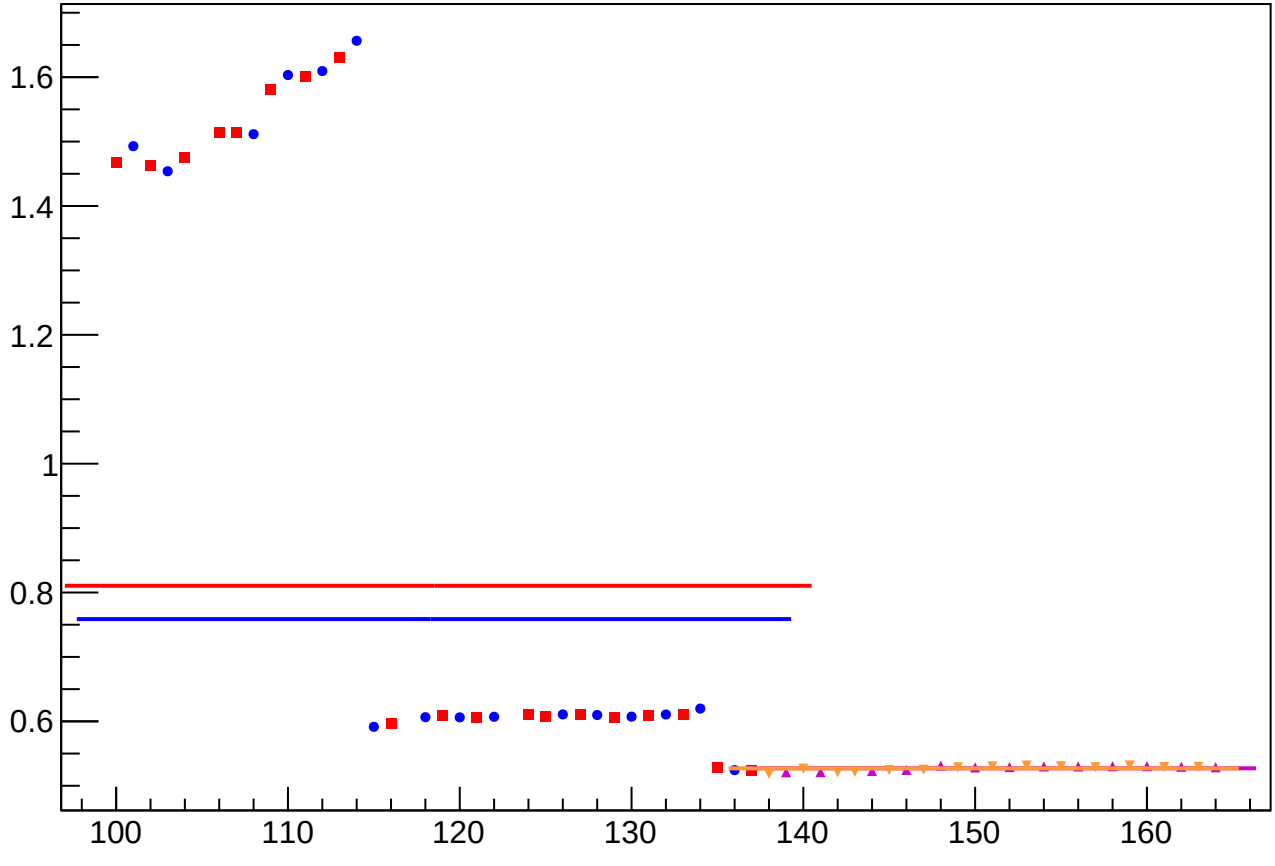
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.020+/-0.000 χ^2/NDF:1800732.5/28

Out: 0.021+/-0.000 χ^2/NDF:1953674.7/32

All: 0.020+/-0.000 χ^2/NDF: 3756276.7/61

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.527+/-0.000 χ^2/NDF:1149077.4/13

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.527+/-0.000 χ^2/NDF:918571.4/12

Left: 0.527+/-0.000 χ^2/NDF: 2068154.8/26

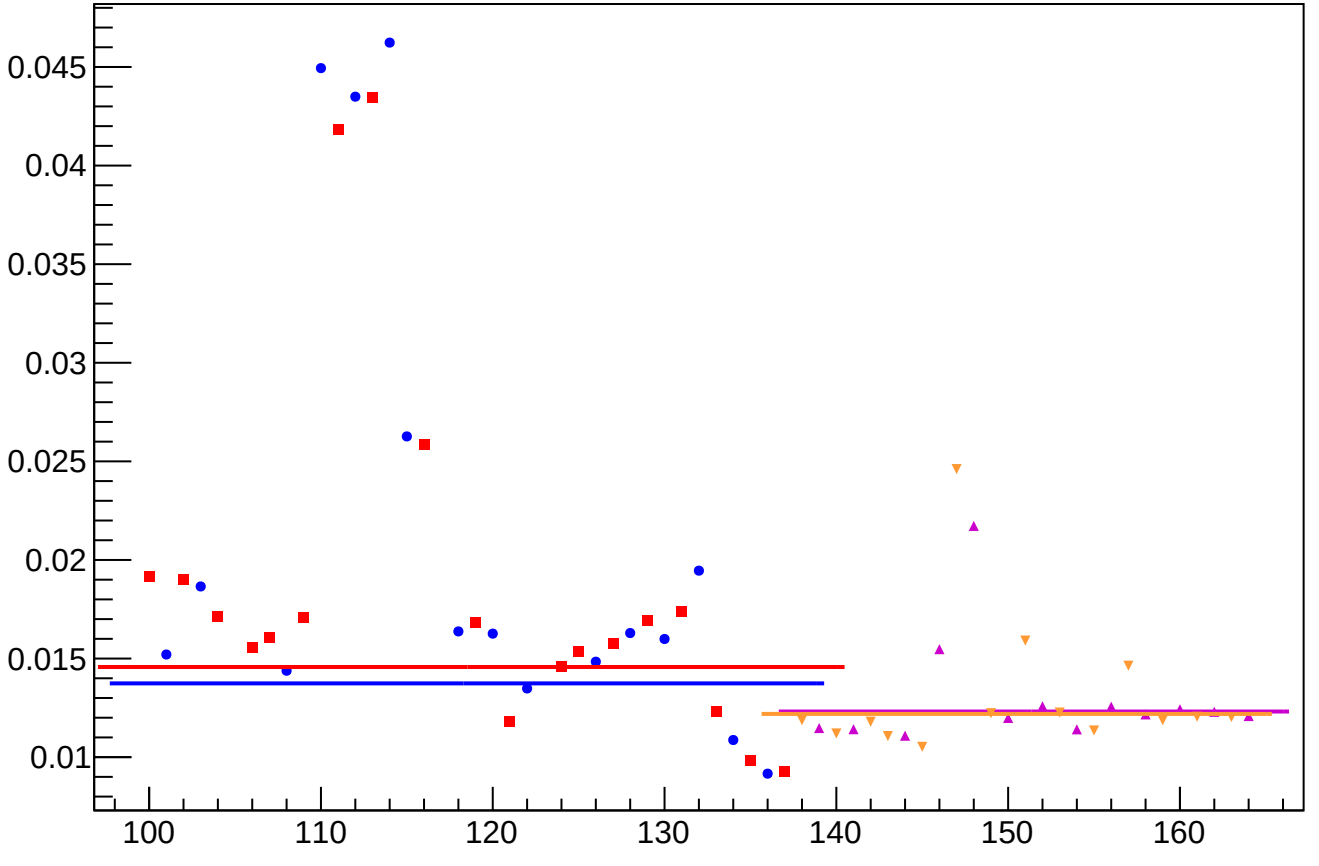
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.600+/-0.000 χ^2/NDF:5463311323.9/28

Out: 0.610+/-0.000 χ^2/NDF:6437945008.5/32

All: 0.605+/-0.000 χ^2/NDF: 11906398455.3/6

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:613808.7/13

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:416807.7/12

Left: 0.012+/-0.000 χ^2/NDF: 1031651.8/26

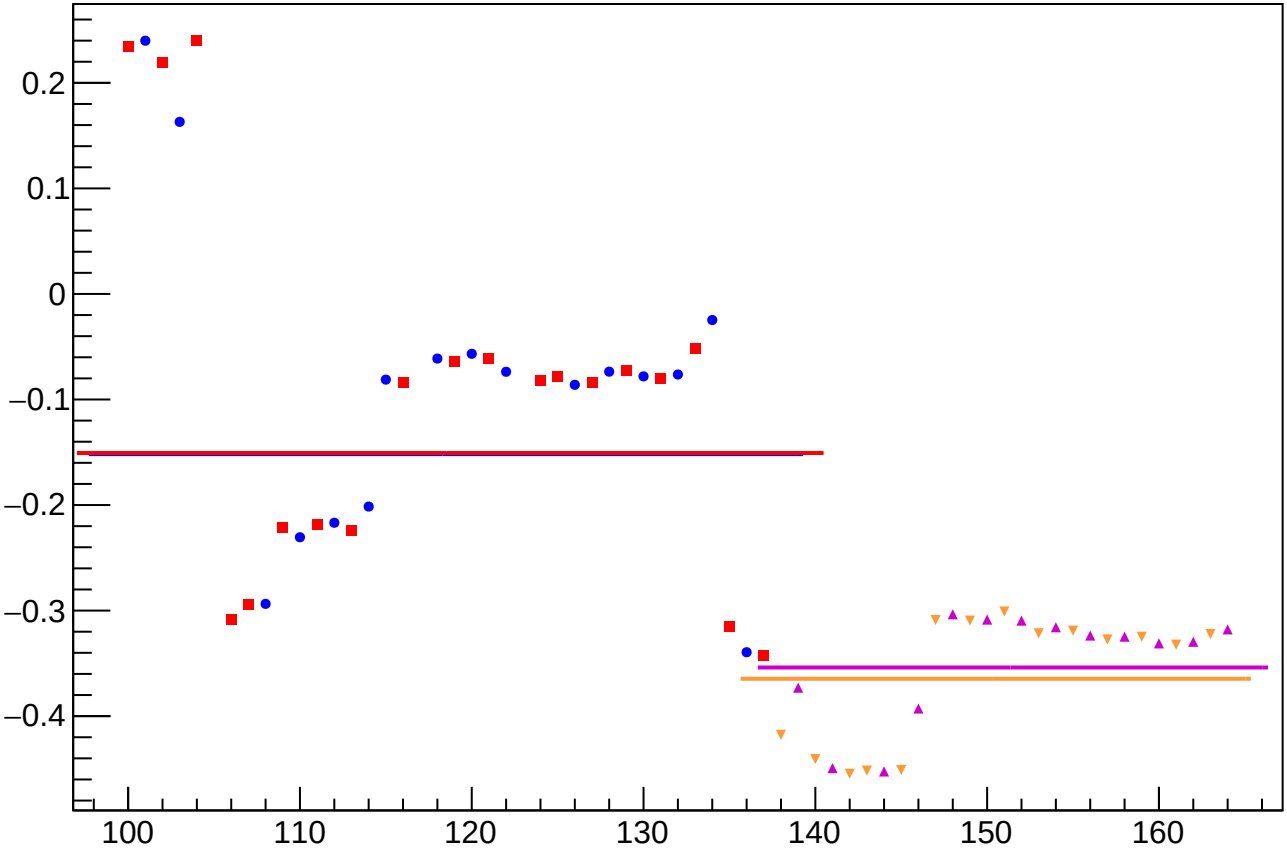
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2154456.6/28

Out: 0.013+/-0.000 χ^2/NDF:2303800.0/32

All: 0.013+/-0.000 χ^2/NDF: 4459874.6/61

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.365+/-0.000 χ^2/NDF:98582993.6/13

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.354+/-0.000 χ^2/NDF:74012478.4/12

Left: -0.359+/-0.000 χ^2/NDF: 174004342.1/26

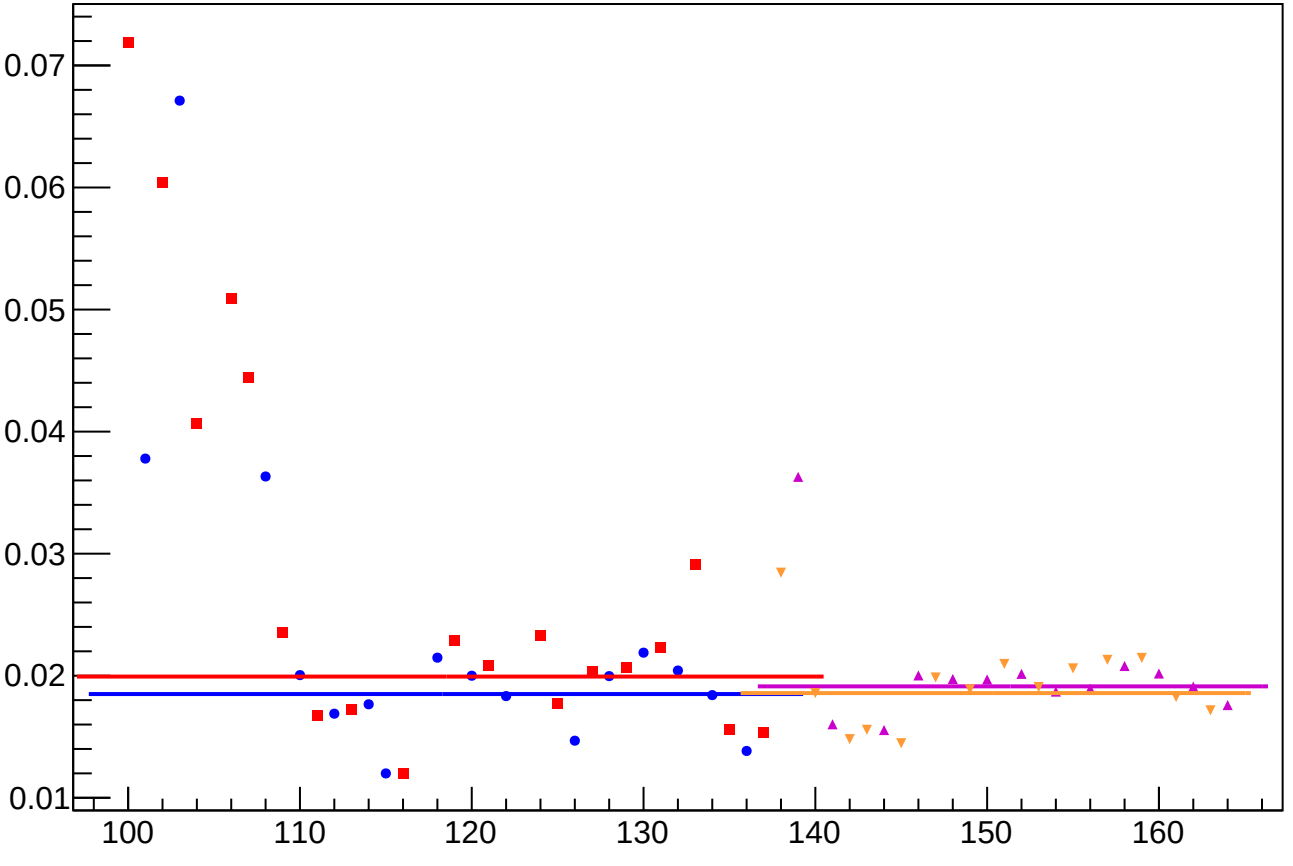
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.275+/-0.000 χ^2/NDF:734232640.4/28

Out: -0.290+/-0.000 χ^2/NDF:706251984.1/32

All: -0.282+/-0.000 χ^2/NDF: 1444947647.0/6

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.019+/-0.000 χ^2/NDF:433509.1/13

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:524598.2/12

Left: 0.019+/-0.000 χ^2/NDF: 965609.5/26

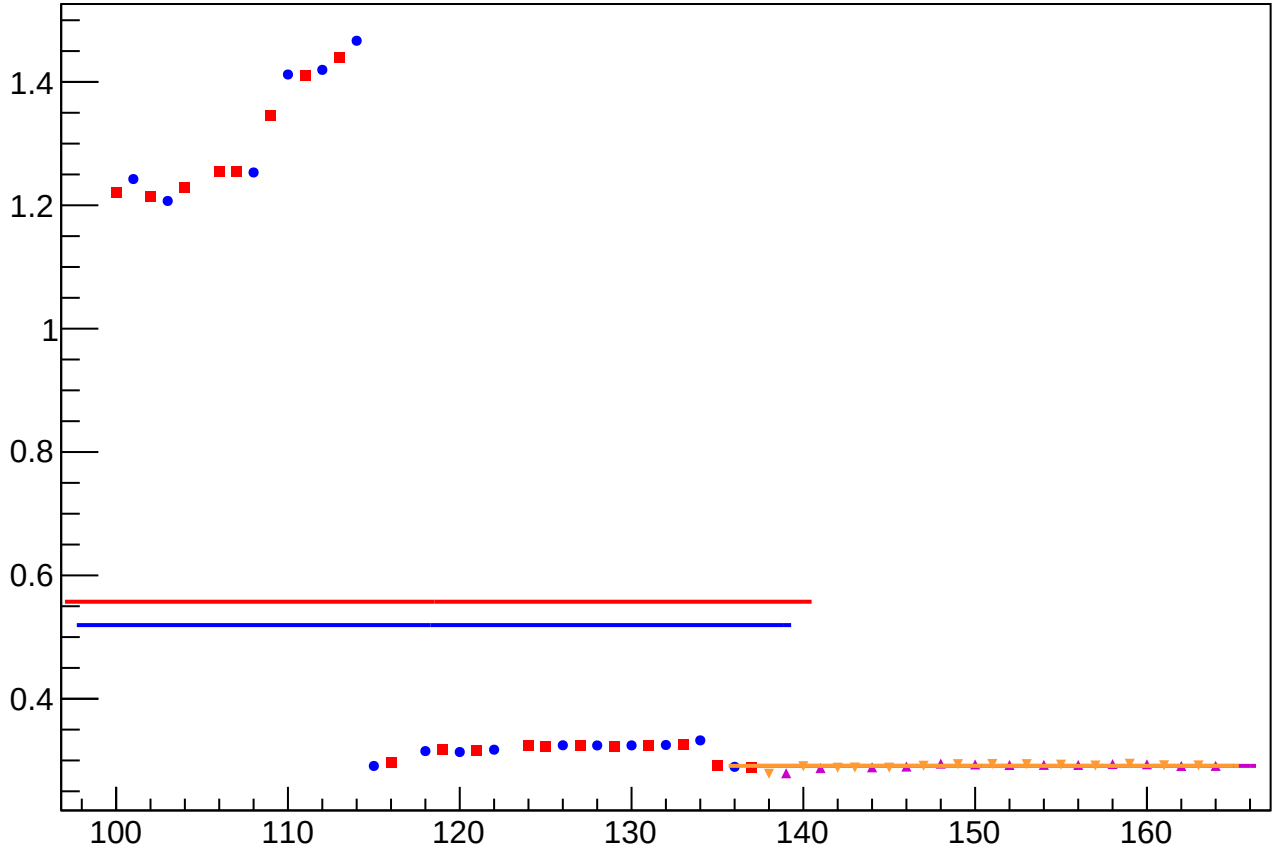
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1904417.9/28

Out: 0.019+/-0.000 χ^2/NDF:2013739.7/32

All: 0.019+/-0.000 χ^2/NDF: 3919269.6/61

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:1134643.7/13

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1167471.9/12

Left: 0.291+/-0.000 χ^2/NDF: 2302148.2/26

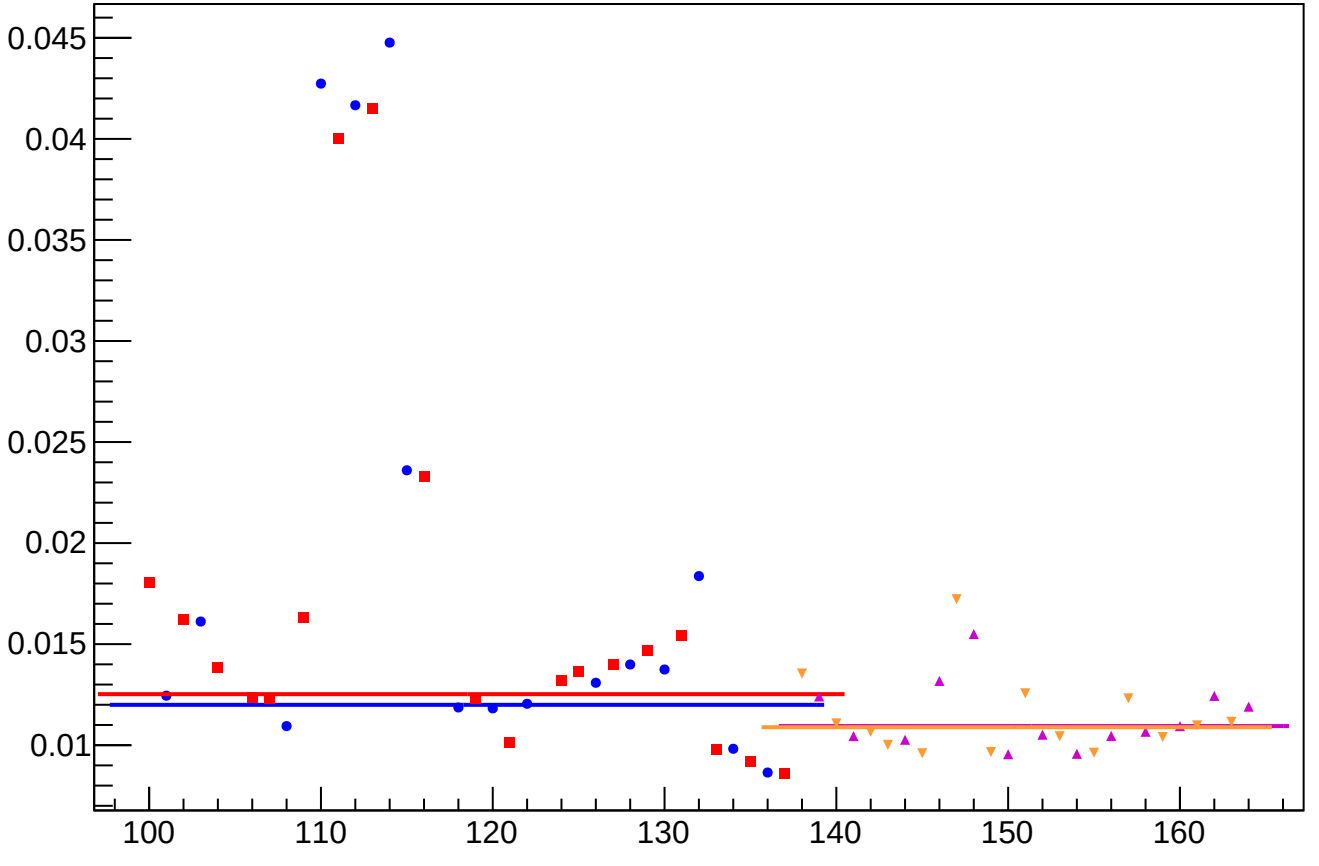
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.365+/-0.000 χ^2/NDF:7779084746.5/28

Out: 0.373+/-0.000 χ^2/NDF:8666700458.0/32

All: 0.369+/-0.000 χ^2/NDF: 16449330271.7/6

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:424821.6/13

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:328960.3/12

Left: 0.011+/-0.000 χ^2/NDF: 754080.5/26

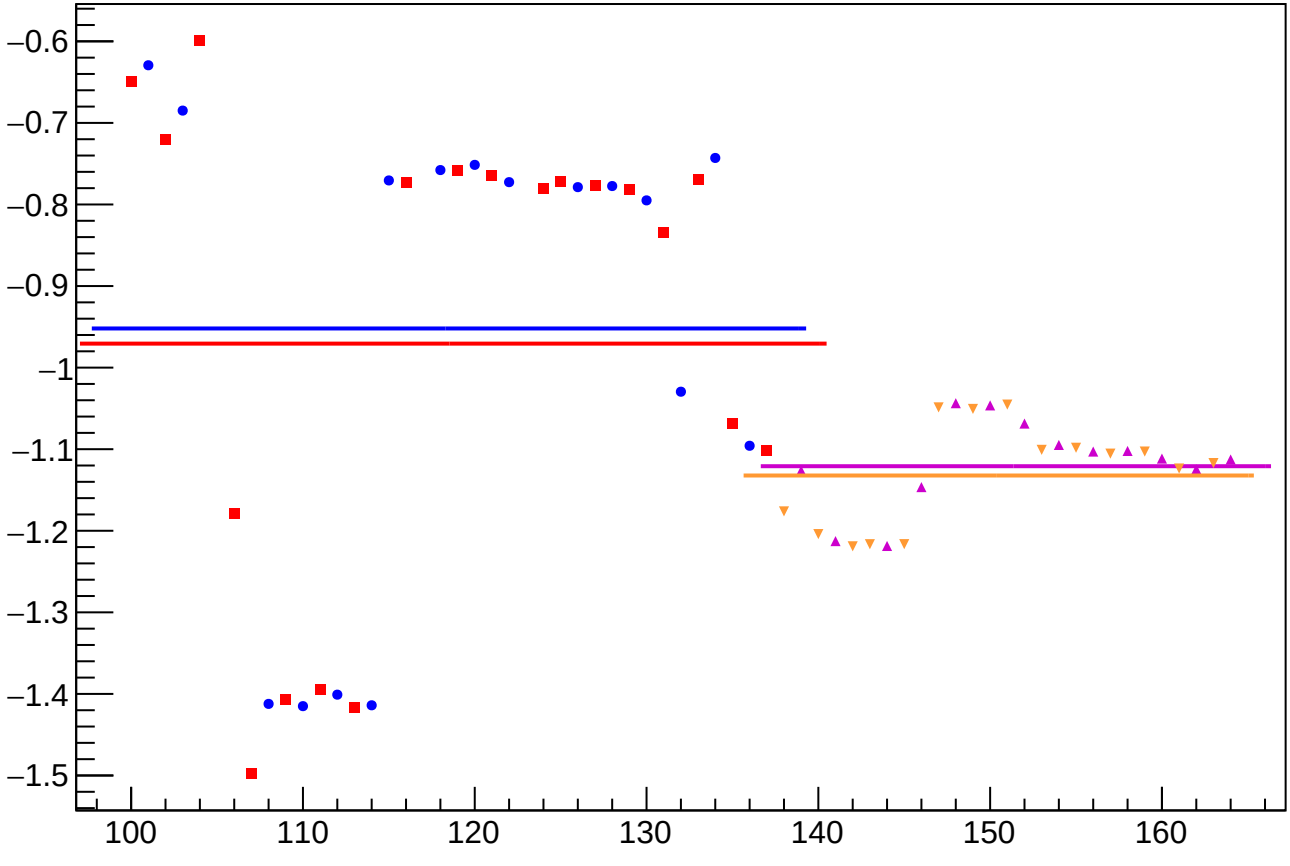
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1882494.2/28

Out: 0.011+/-0.000 χ^2/NDF:2004480.0/32

All: 0.011+/-0.000 χ^2/NDF: 3888295.9/61

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.132+/-0.000 χ^2/NDF:96872249.2/13

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.121+/-0.000 χ^2/NDF:71494178.2/12

Left: -1.127+/-0.000 χ^2/NDF: 169934854.0/26

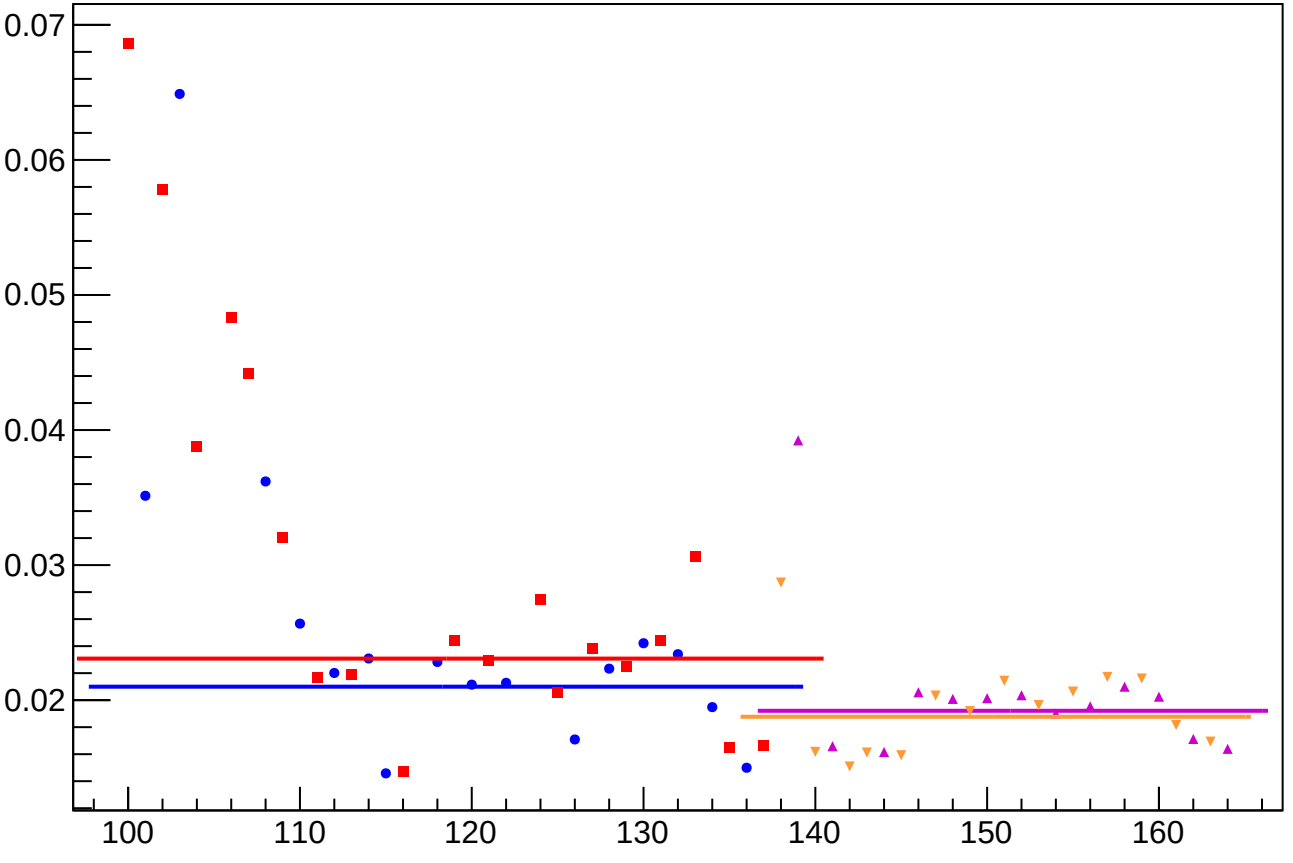
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.063+/-0.000 χ^2/NDF:999223433.6/28

Out: -1.084+/-0.000 χ^2/NDF:1003372664.0/32

All: -1.074+/-0.000 χ^2/NDF: 2010406903.8/6

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:400674.0/13

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:596303.9/12

Left: 0.019+/-0.000 χ^2/NDF: 1001706.4/26

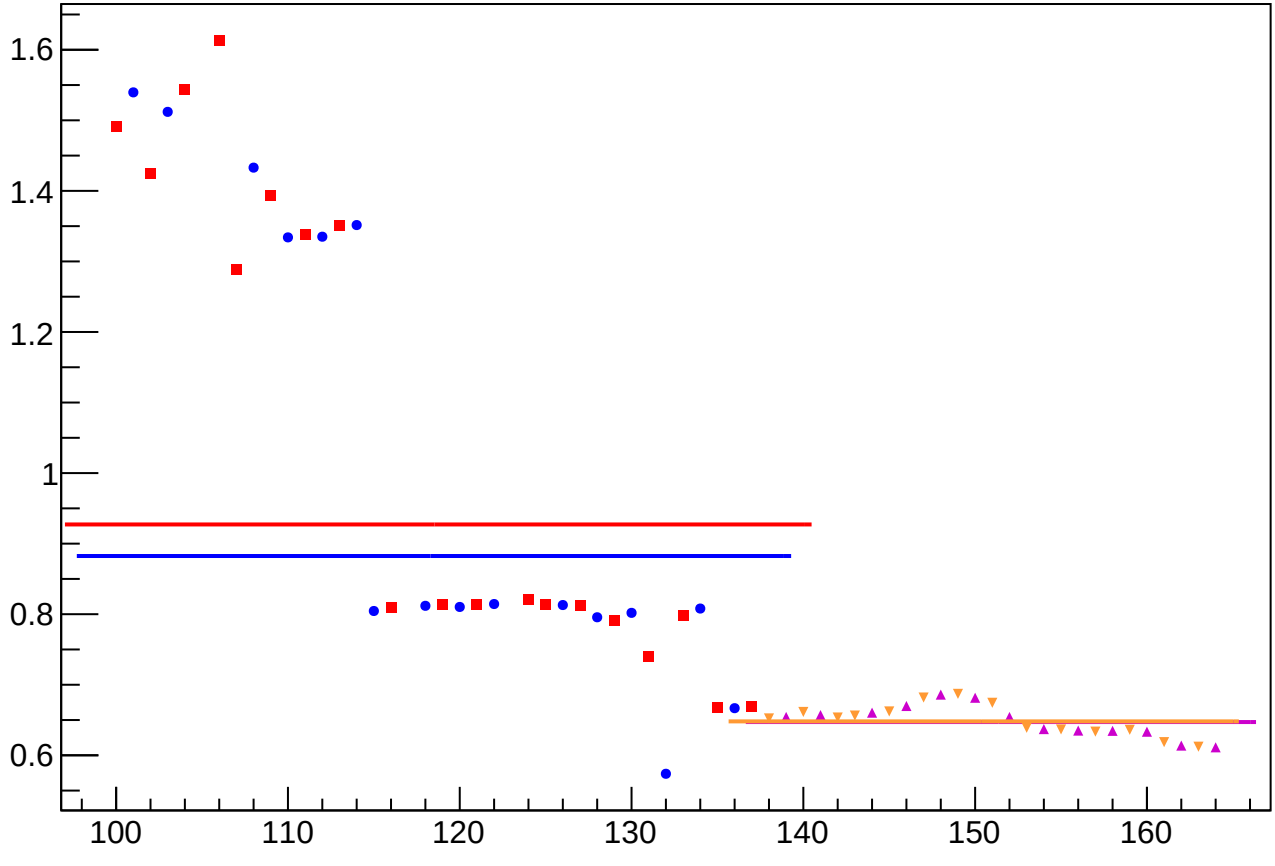
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1814284.3/28

Out: 0.020+/-0.000 χ^2/NDF:1954515.0/32

All: 0.020+/-0.000 χ^2/NDF: 3770604.6/61

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.648+/-0.000 χ^2/NDF:30088304.3/13

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.647+/-0.000 χ^2/NDF:28271061.9/12

Left: 0.648+/-0.000 χ^2/NDF: 58390383.8/26

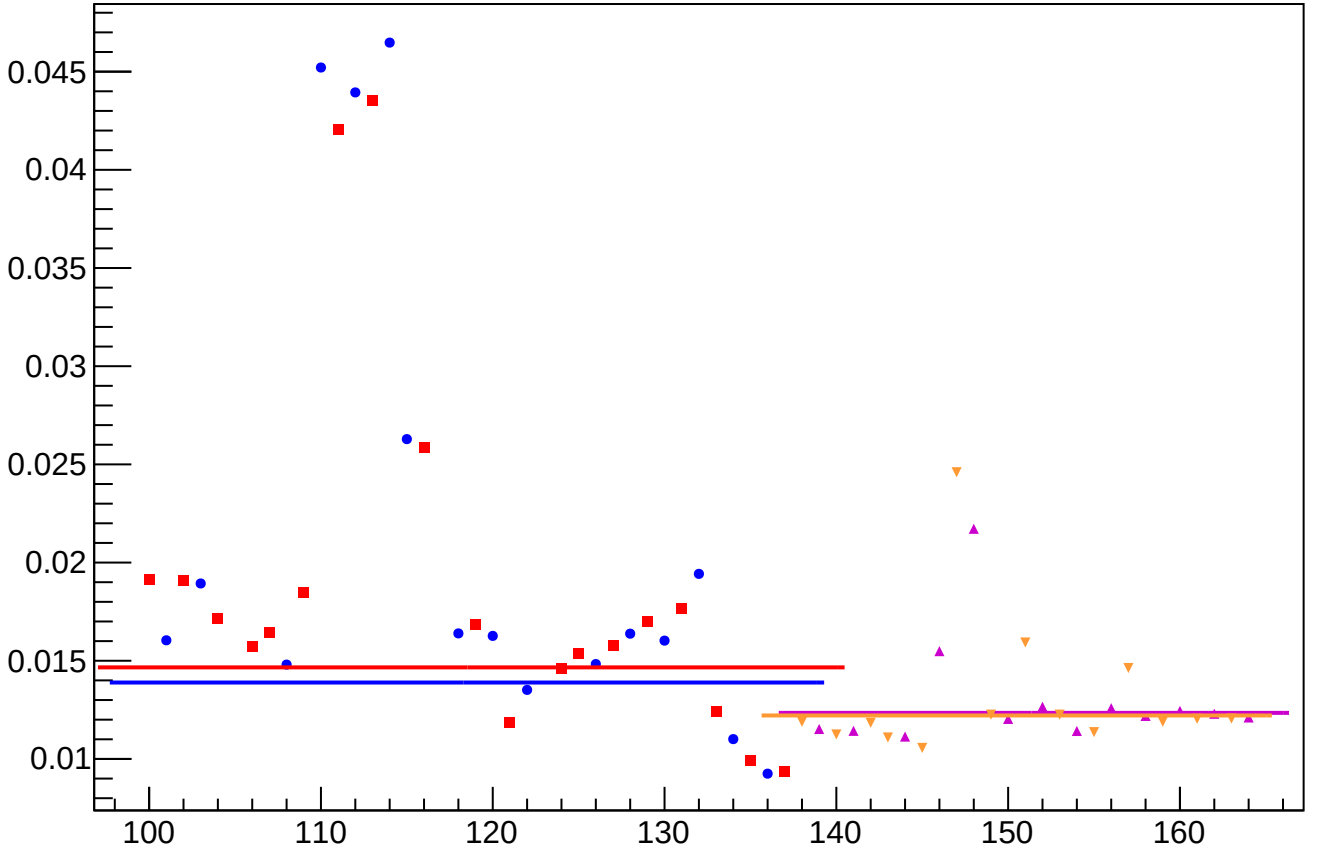
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.720+/-0.000 χ^2/NDF:3984998779.4/28

Out: 0.729+/-0.000 χ^2/NDF:4387875731.0/32

All: 0.725+/-0.000 χ^2/NDF: 8376868340.7/61

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:608689.8/13

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:413269.3/12

Left: 0.012+/-0.000 χ^2/NDF: 1023169.7/26

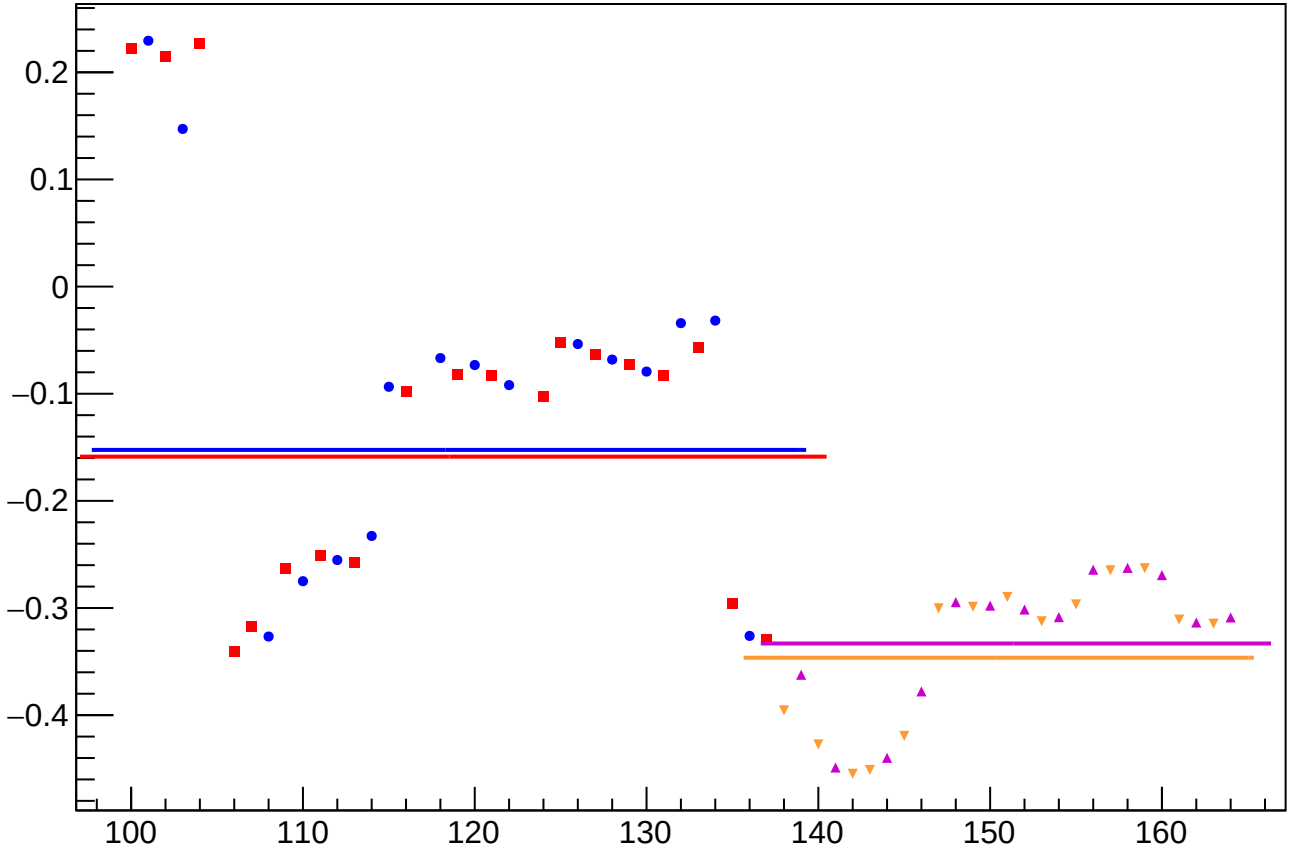
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2161064.9/28

Out: 0.013+/-0.000 χ^2/NDF:2321165.8/32

All: 0.013+/-0.000 χ^2/NDF: 4483212.4/61

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.346+/-0.000 χ^2/NDF:117318495.5/13

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.333+/-0.000 χ^2/NDF:101343980.6/12

Left: -0.340+/-0.000 χ^2/NDF: 220831000.9/26

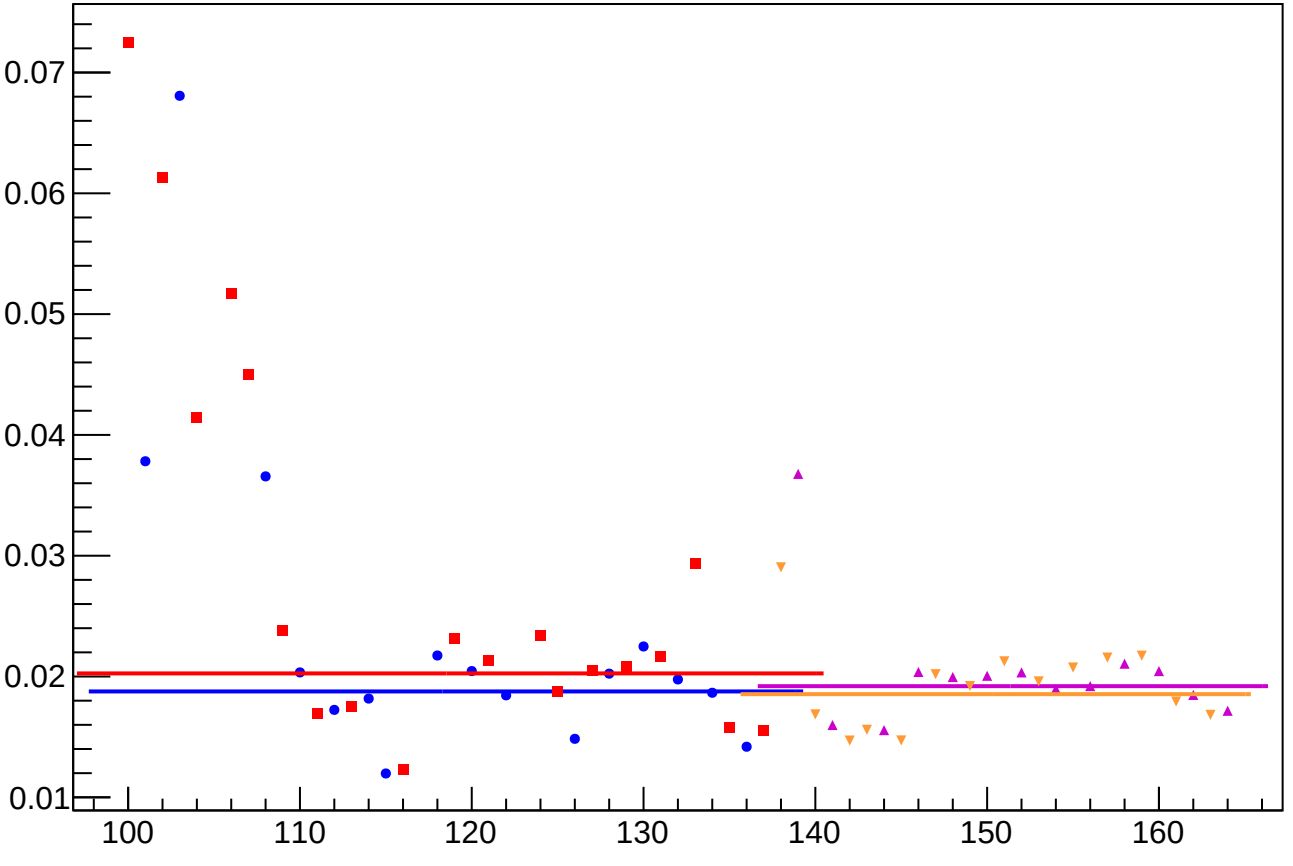
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.263+/-0.000 χ^2/NDF:675456286.1/28

Out: -0.282+/-0.000 χ^2/NDF:620400142.9/32

All: -0.273+/-0.000 χ^2/NDF: 1302919344.5/6

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.019+/-0.000 χ^2/NDF:477335.2/13

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:553222.6/12

Left: 0.019+/-0.000 χ^2/NDF: 1041313.9/26

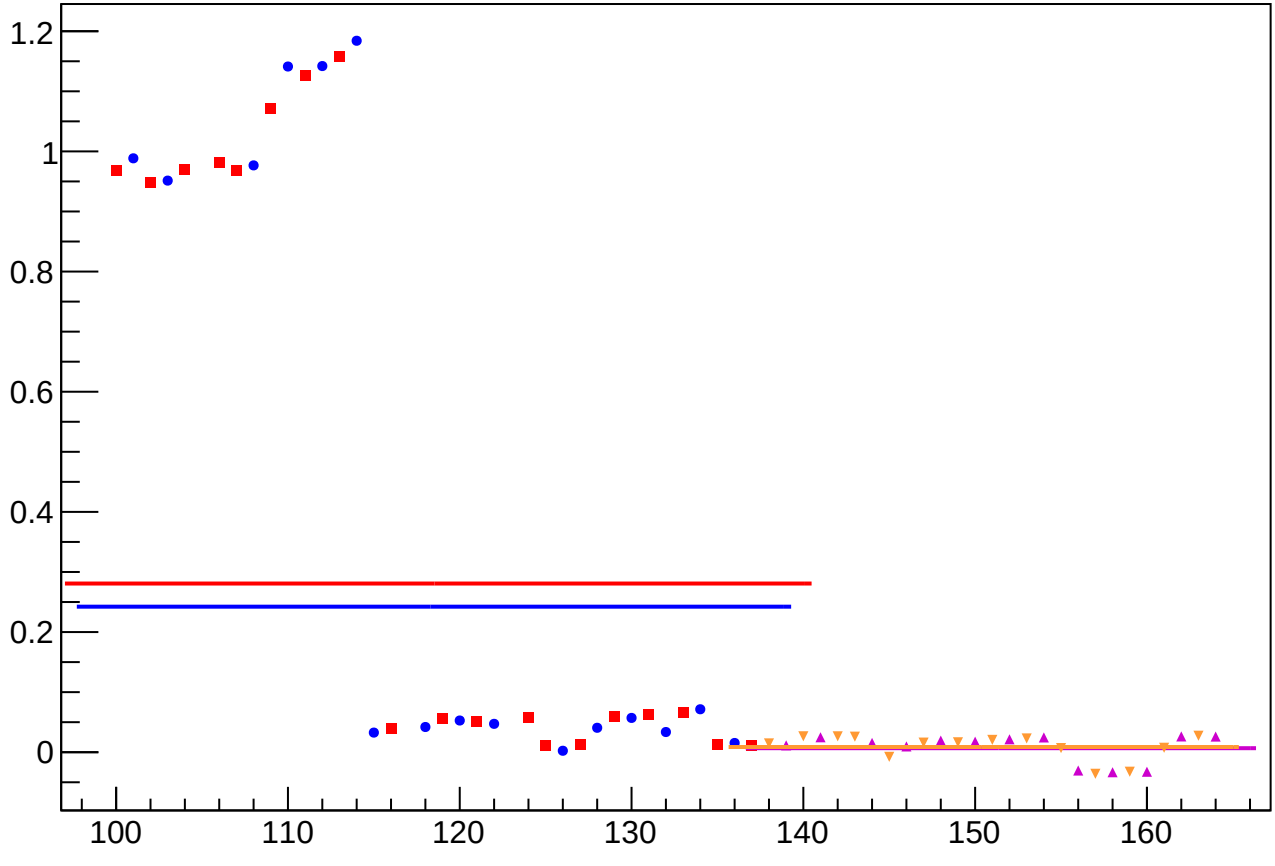
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1906130.2/28

Out: 0.019+/-0.000 χ^2/NDF:2058458.3/32

All: 0.019+/-0.000 χ^2/NDF: 3964938.0/61

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:38031951.2/13

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.007+/-0.000 χ^2/NDF:47606850.1/12

Left: 0.008+/-0.000 χ^2/NDF: 85813823.7/26

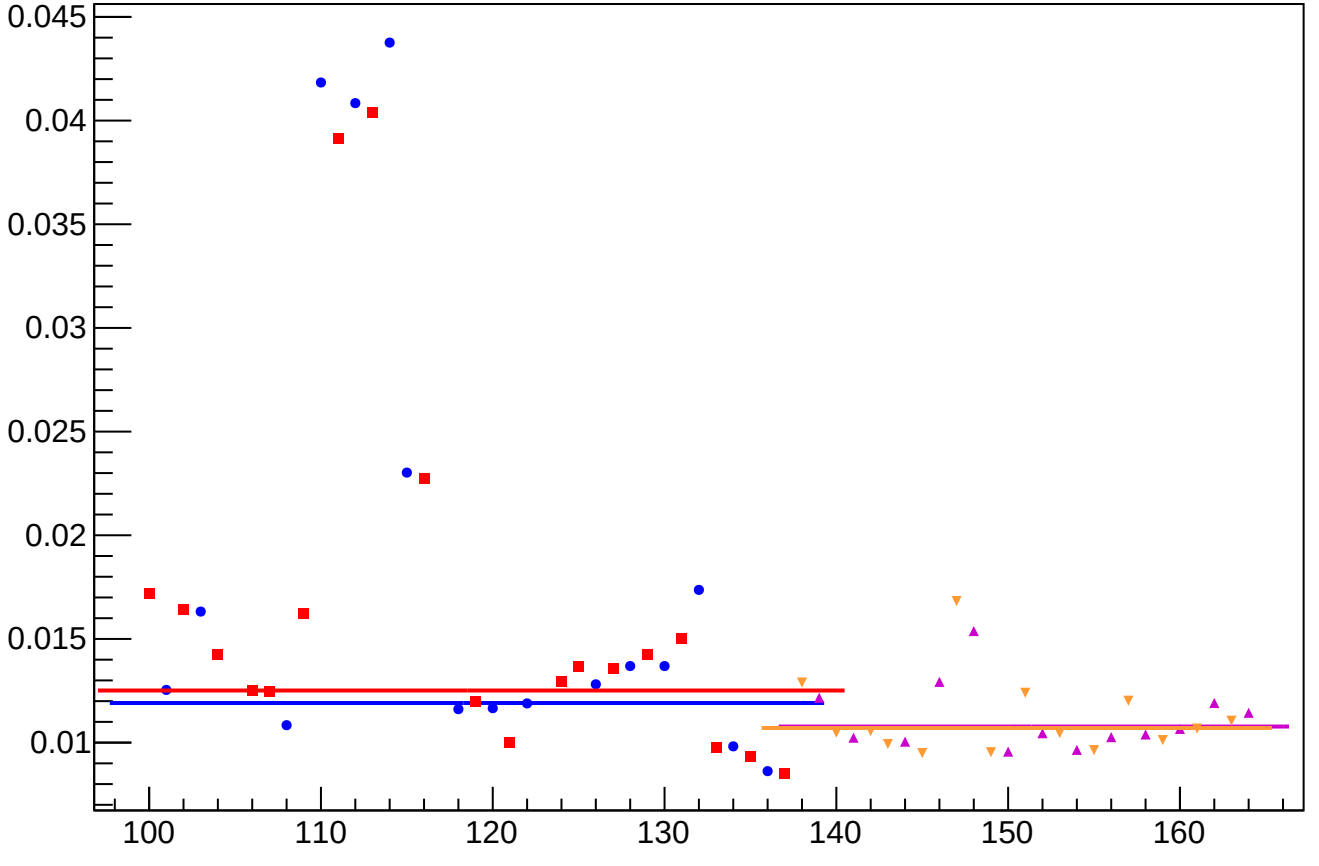
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.082+/-0.000 χ^2/NDF:8142587324.0/28

Out: 0.090+/-0.000 χ^2/NDF:8829320881.9/32

All: 0.086+/-0.000 χ^2/NDF: 16975901083.3/6

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:390463.5/13

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:301499.7/12

Left: 0.011+/-0.000 χ^2/NDF: 692392.4/26

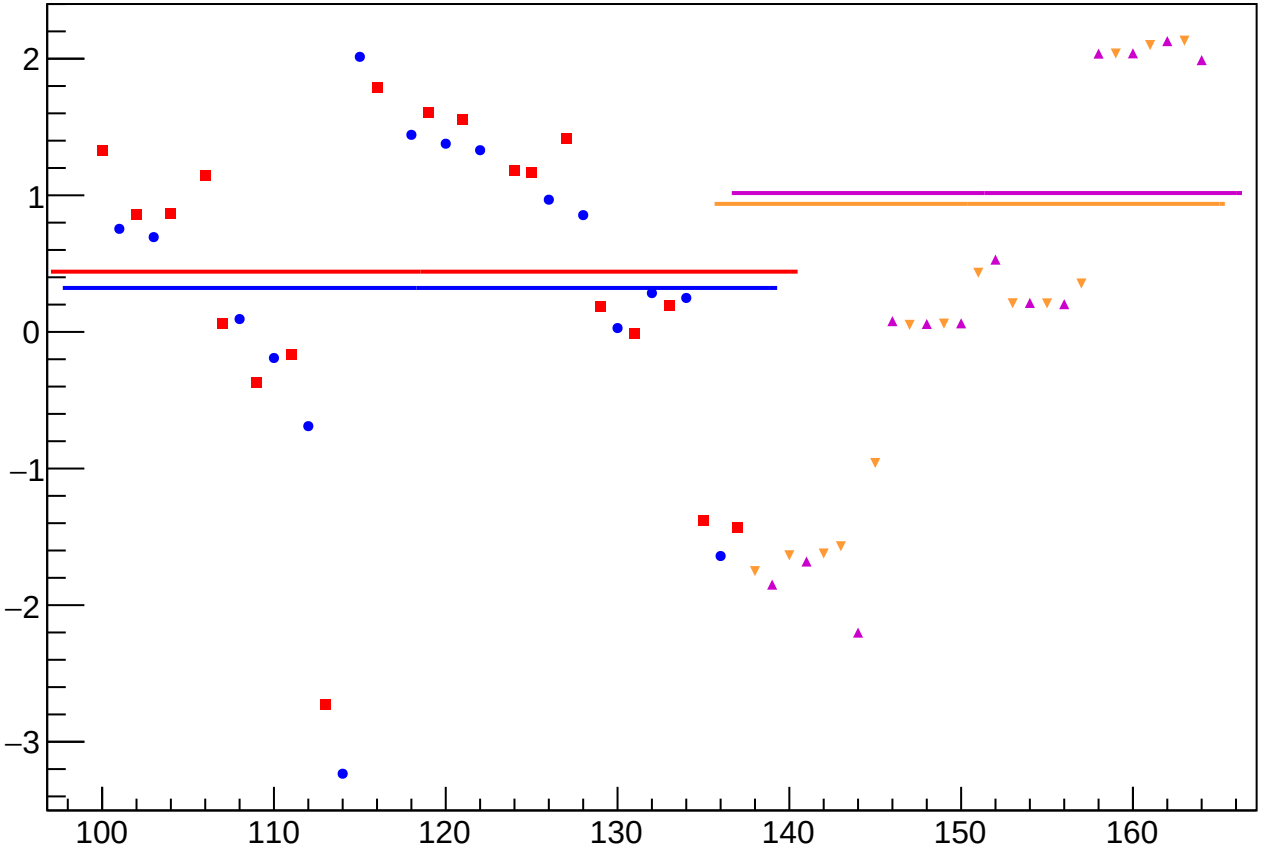
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1834709.7/28

Out: 0.011+/-0.000 χ^2/NDF:1962232.4/32

All: 0.011+/-0.000 χ^2/NDF: 3798450.2/61

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.937+/-0.000 χ^2/NDF:26828032508.4/13

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 1.017+/-0.000 χ^2/NDF:31802029243.7/12

Left: 0.980+/-0.000 χ^2/NDF: 58724495674.7/26

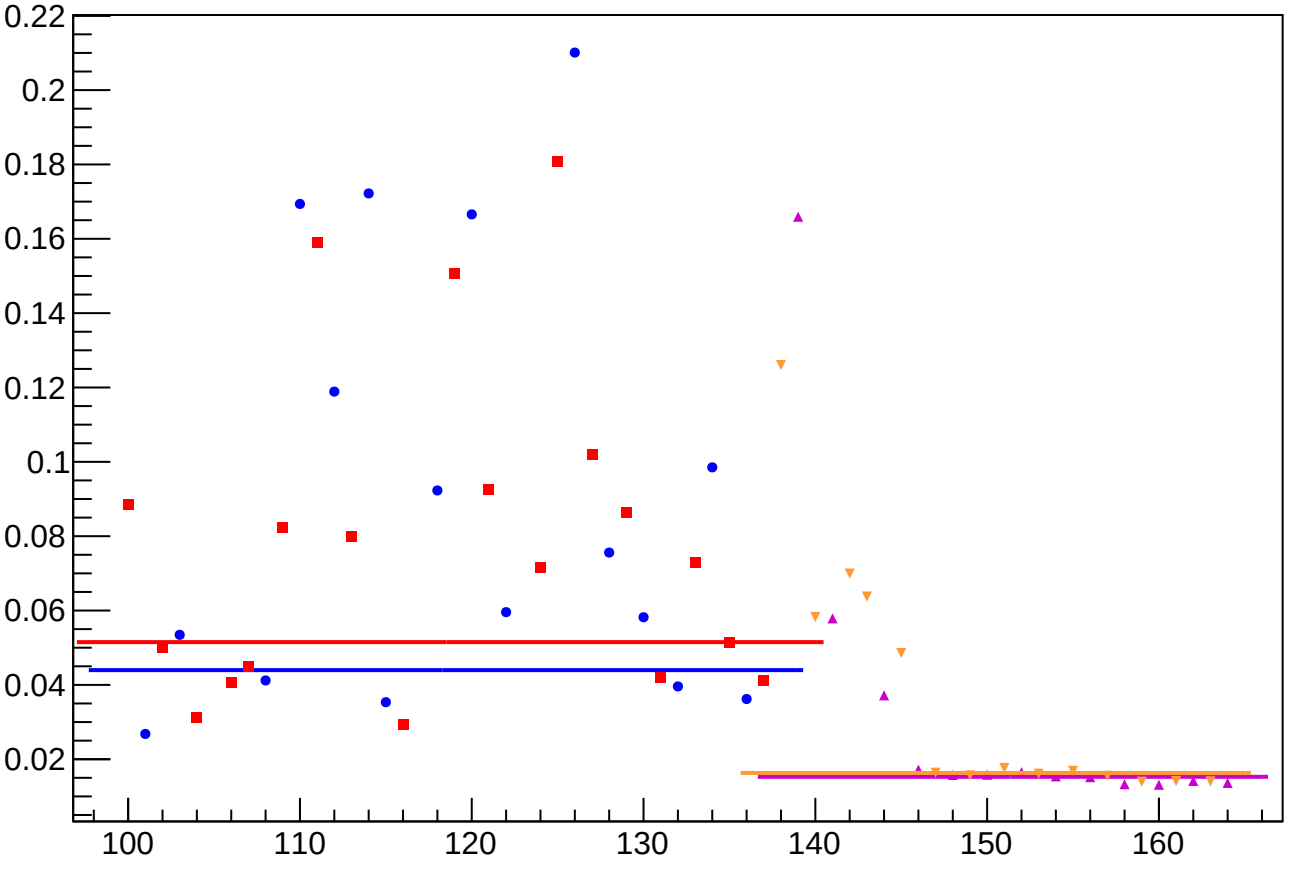
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.977+/-0.000 χ^2/NDF:34369553121.9/28

Out: 0.910+/-0.000 χ^2/NDF:29007518879.3/32

All: 0.946+/-0.000 χ^2/NDF: 63448203184.2/6

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2872306.8/13

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2143706.2/12

Left: 0.016+/-0.000 χ^2/NDF: 5048057.5/26

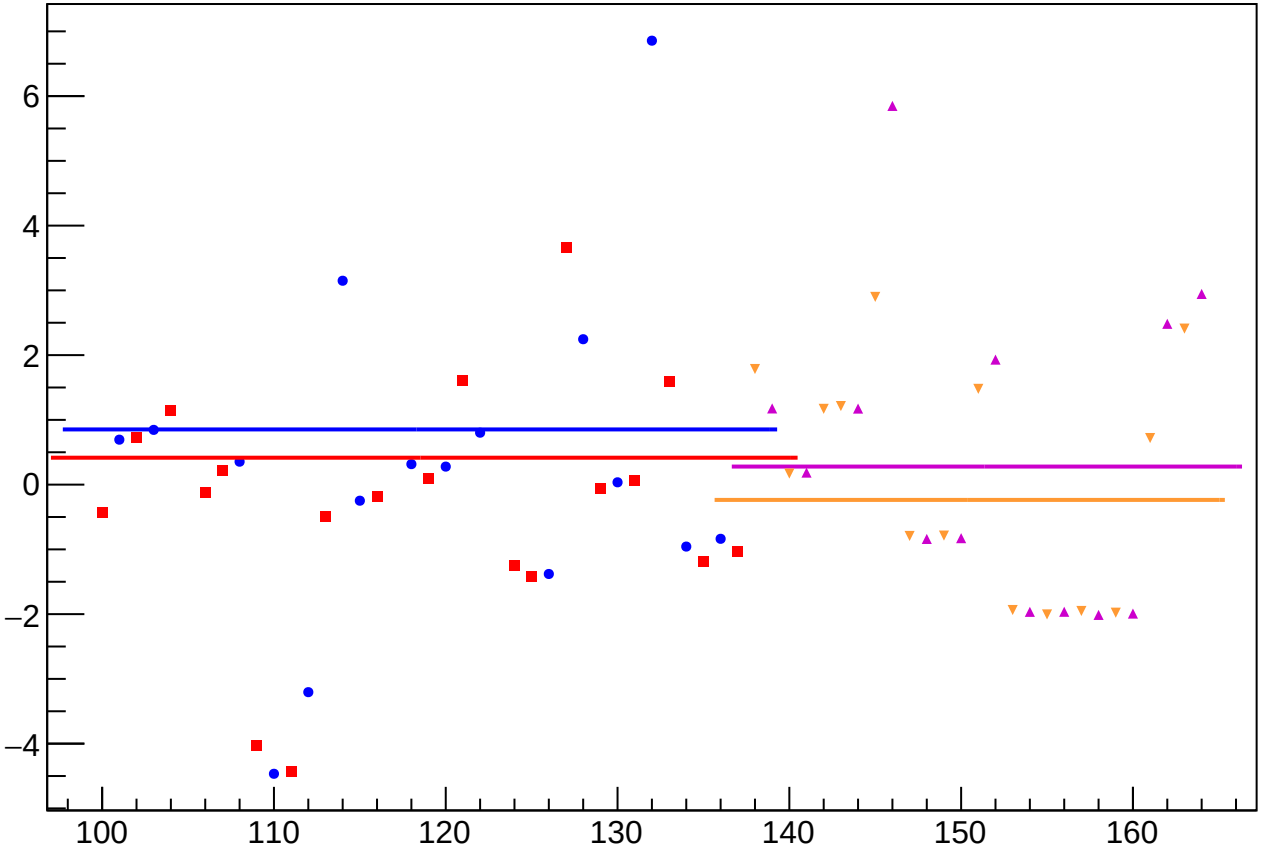
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.017+/-0.000 χ^2/NDF:8010430.8/28

Out: 0.018+/-0.000 χ^2/NDF:9090127.3/32

All: 0.018+/-0.000 χ^2/NDF: 17157303.3/61

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: -0.236+/-0.000 χ^2/NDF:147715001028.7/13

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.279+/-0.000 χ^2/NDF:327087124838.6/12

Left: 0.035+/-0.000 χ^2/NDF: 480784692142.0/26

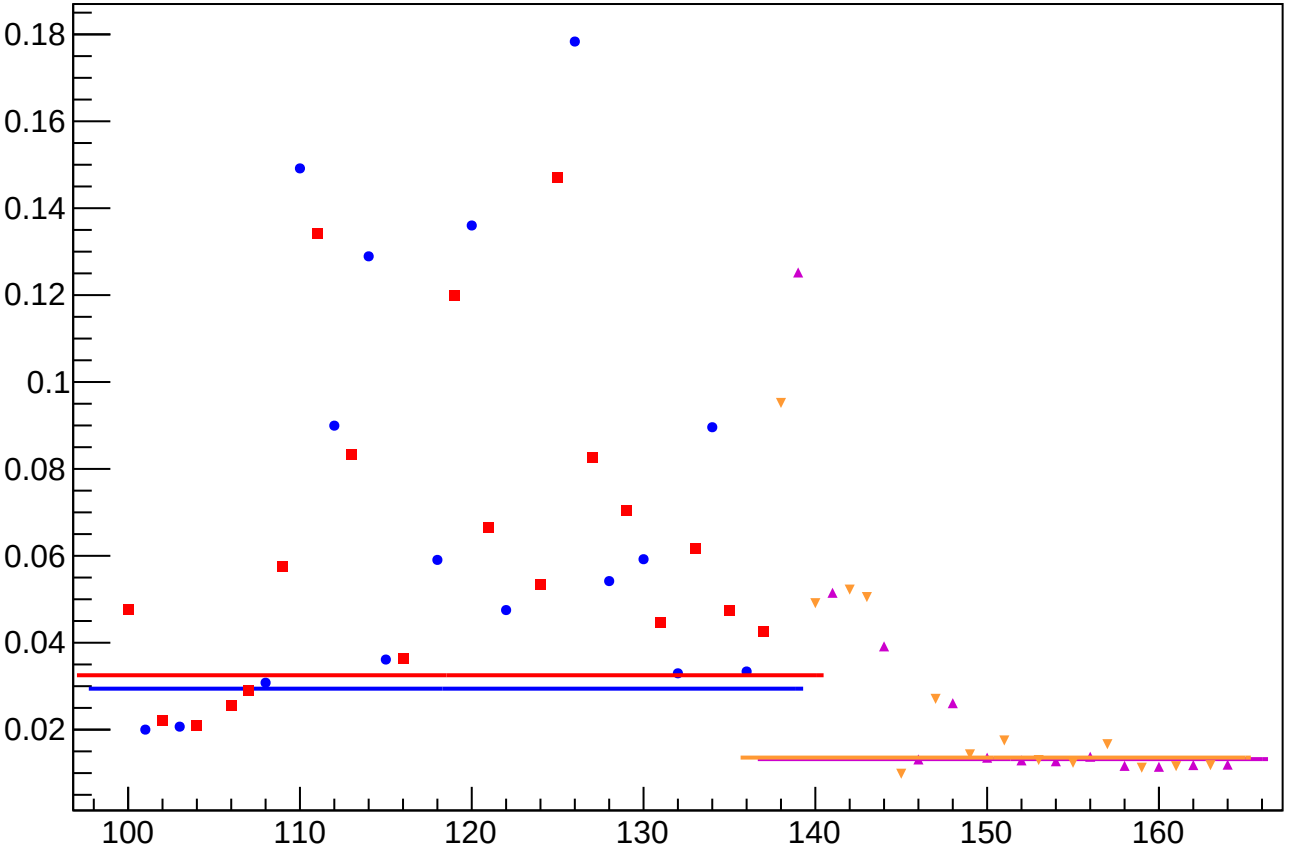
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.326+/-0.000 χ^2/NDF:339949006579.1/28

Out: -0.182+/-0.000 χ^2/NDF:154356370055.4/32

All: 0.086+/-0.000 χ^2/NDF: 500641841706.3

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.014+/-0.000 χ^2/NDF:3020424.8/13

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2629962.1/12

Left: 0.013+/-0.000 χ^2/NDF: 5655990.6/26

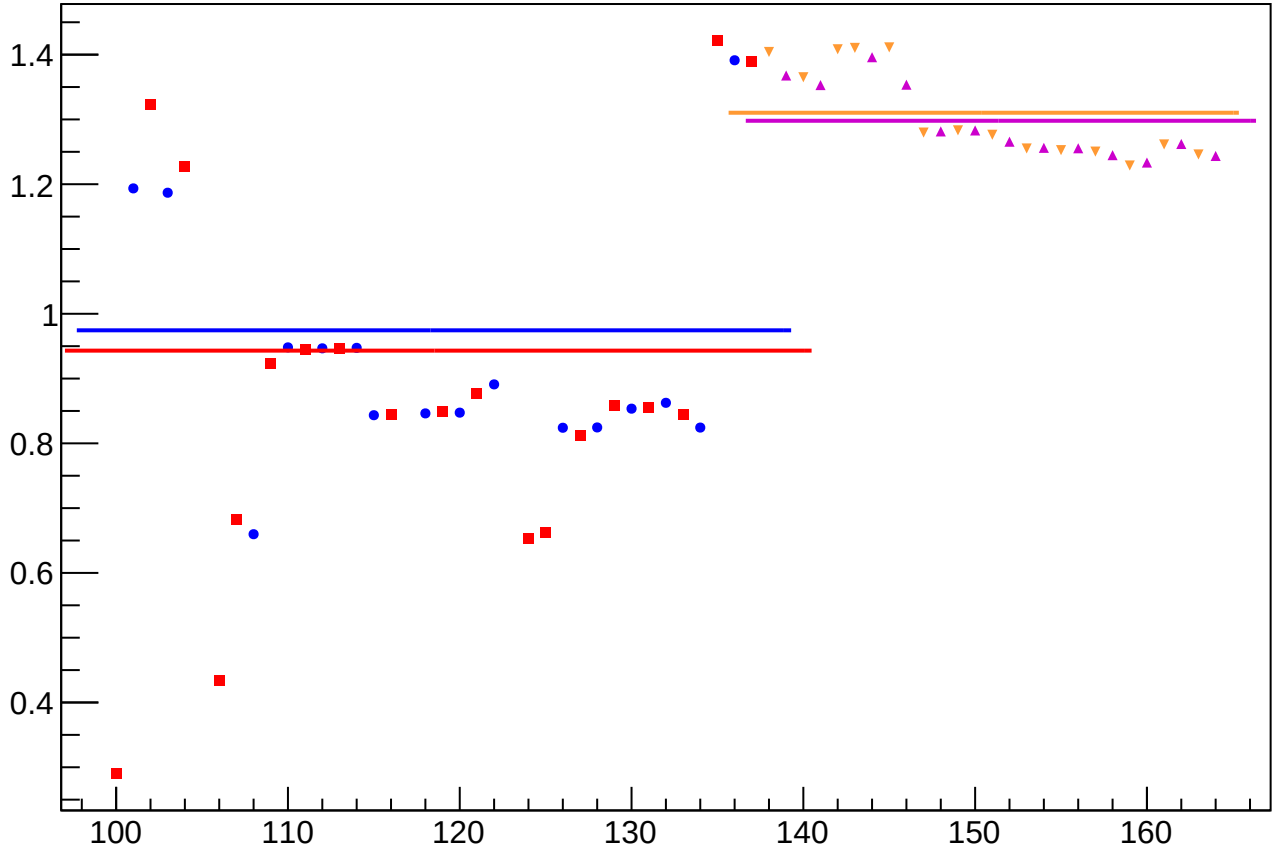
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.015+/-0.000 χ^2/NDF:7877753.9/28

Out: 0.015+/-0.000 χ^2/NDF:8903463.5/32

All: 0.015+/-0.000 χ^2/NDF: 16799223.9/61

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.310+/-0.000 χ^2/NDF:251489093.0/13

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.298+/-0.000 χ^2/NDF:151887677.7/12

Left: 1.304+/-0.000 χ^2/NDF: 407448779.8/26

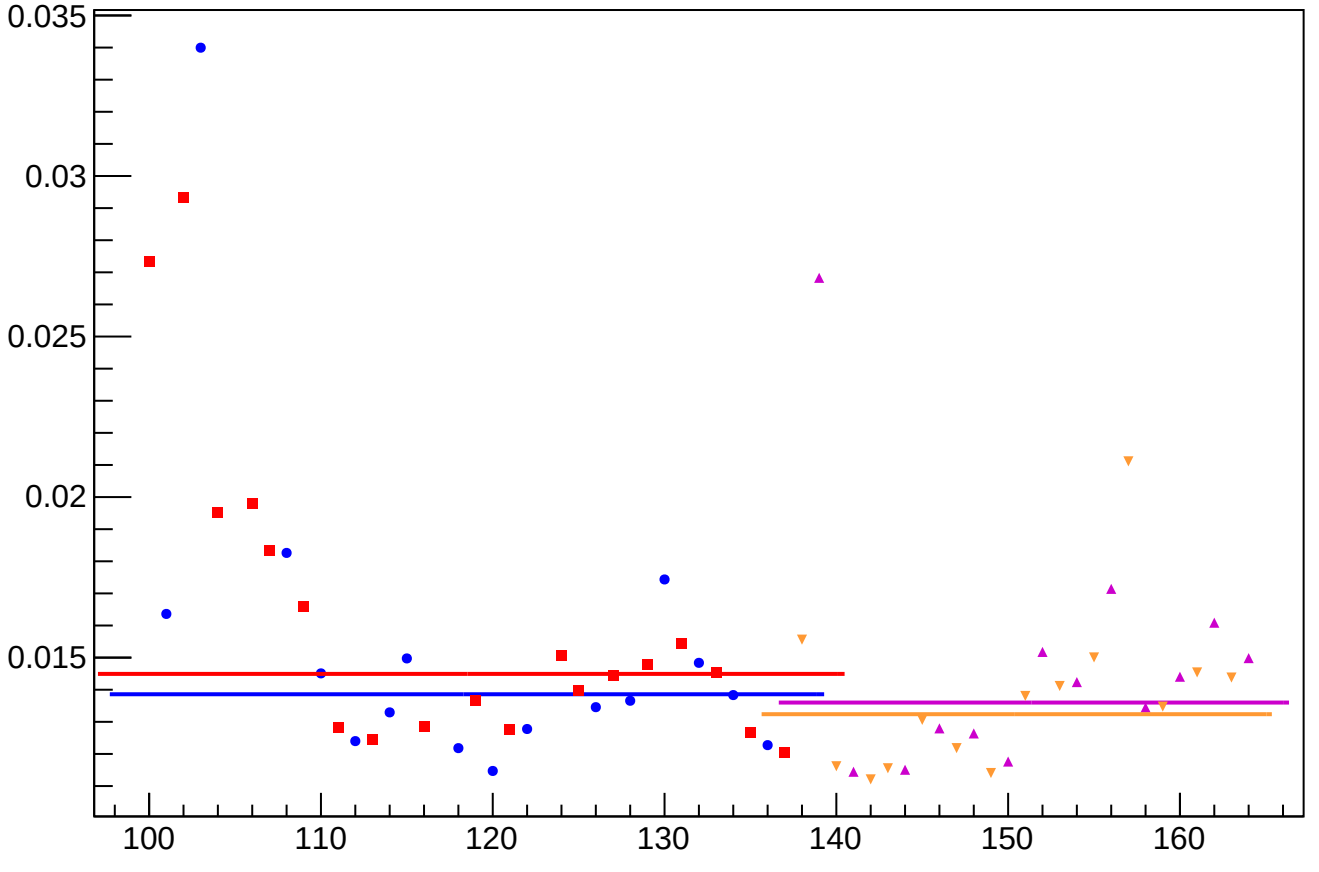
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.173+/-0.000 χ^2/NDF:3691020742.0/28

Out: 1.179+/-0.000 χ^2/NDF:4562287657.3/32

All: 1.176+/-0.000 χ^2/NDF: 8254566935.8/61

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:389522.3/13

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:684590.7/12

Left: 0.013+/-0.000 χ^2/NDF: 1081076.5/26

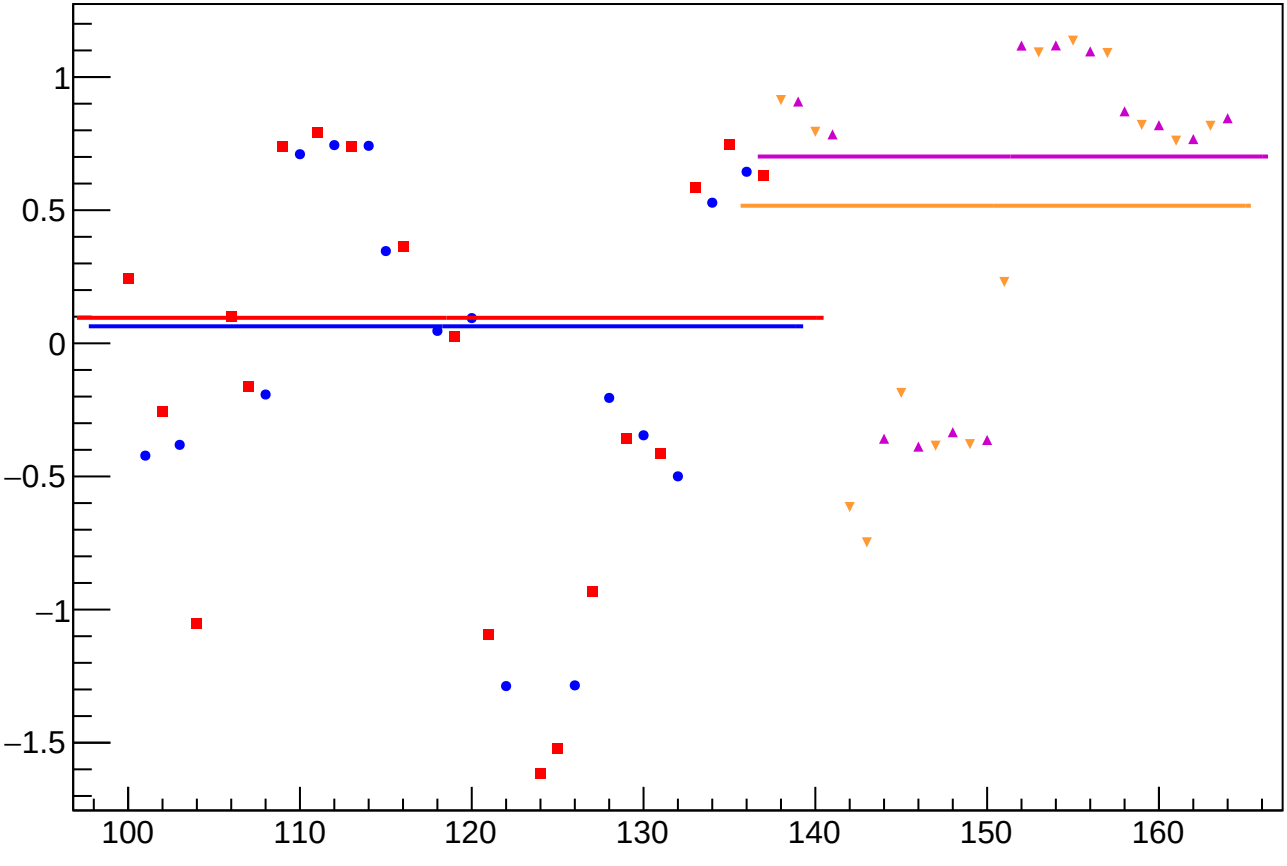
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1287232.2/28

Out: 0.014+/-0.000 χ^2/NDF:995533.3/32

All: 0.014+/-0.000 χ^2/NDF: 2282777.9/61

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.517+/-0.000 χ^2/NDF:26558349886.4/13

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.702+/-0.000 χ^2/NDF:17456719142.7/12

Left: 0.611+/-0.000 χ^2/NDF: 45256323636.9/26

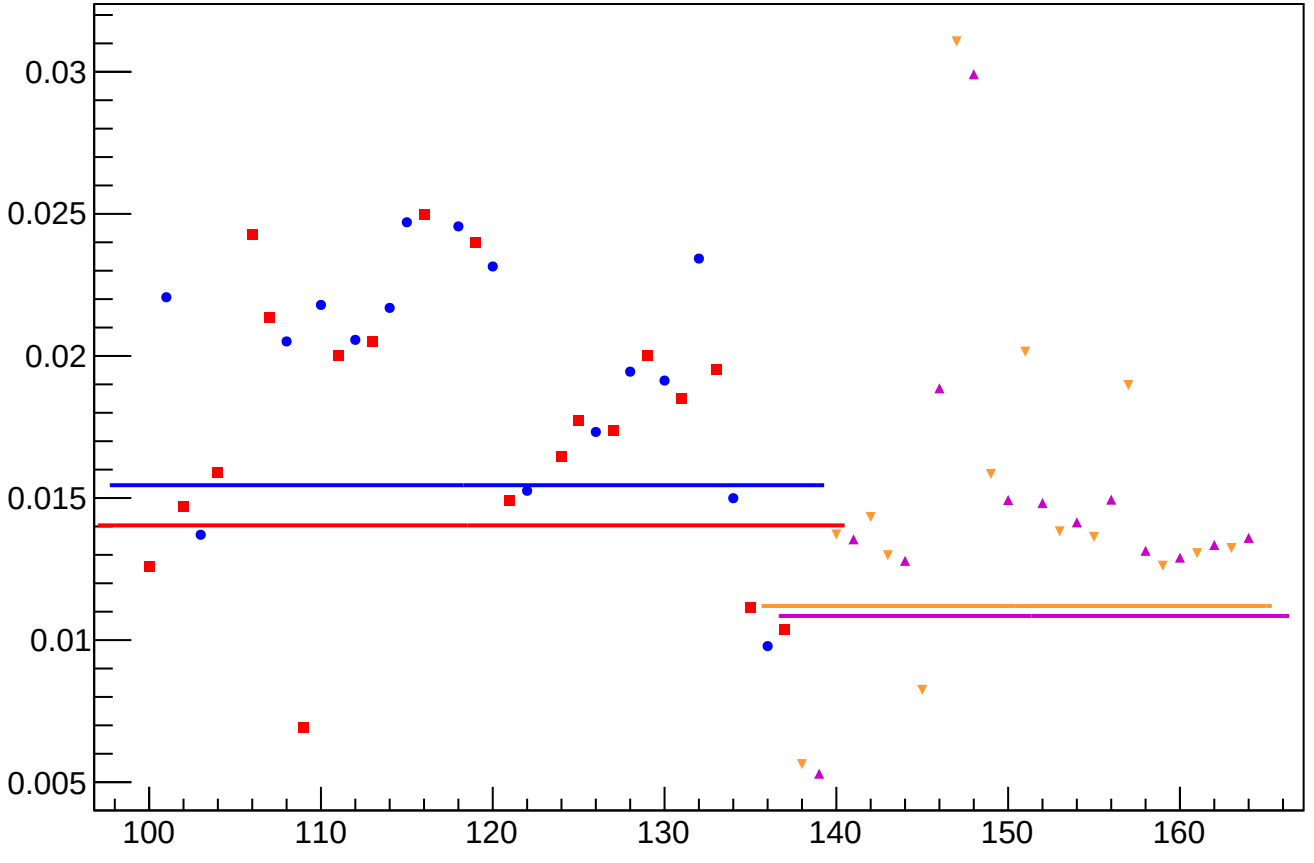
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.540+/-0.000 χ^2/NDF:36132747089.0/28

Out: 0.392+/-0.000 χ^2/NDF:48068220011.7/32

All: 0.466+/-0.000 χ^2/NDF: 85290863312.4/6

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:3041270.7/13

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3428659.1/12

Left: 0.011+/-0.000 χ^2/NDF: 6478895.7/26

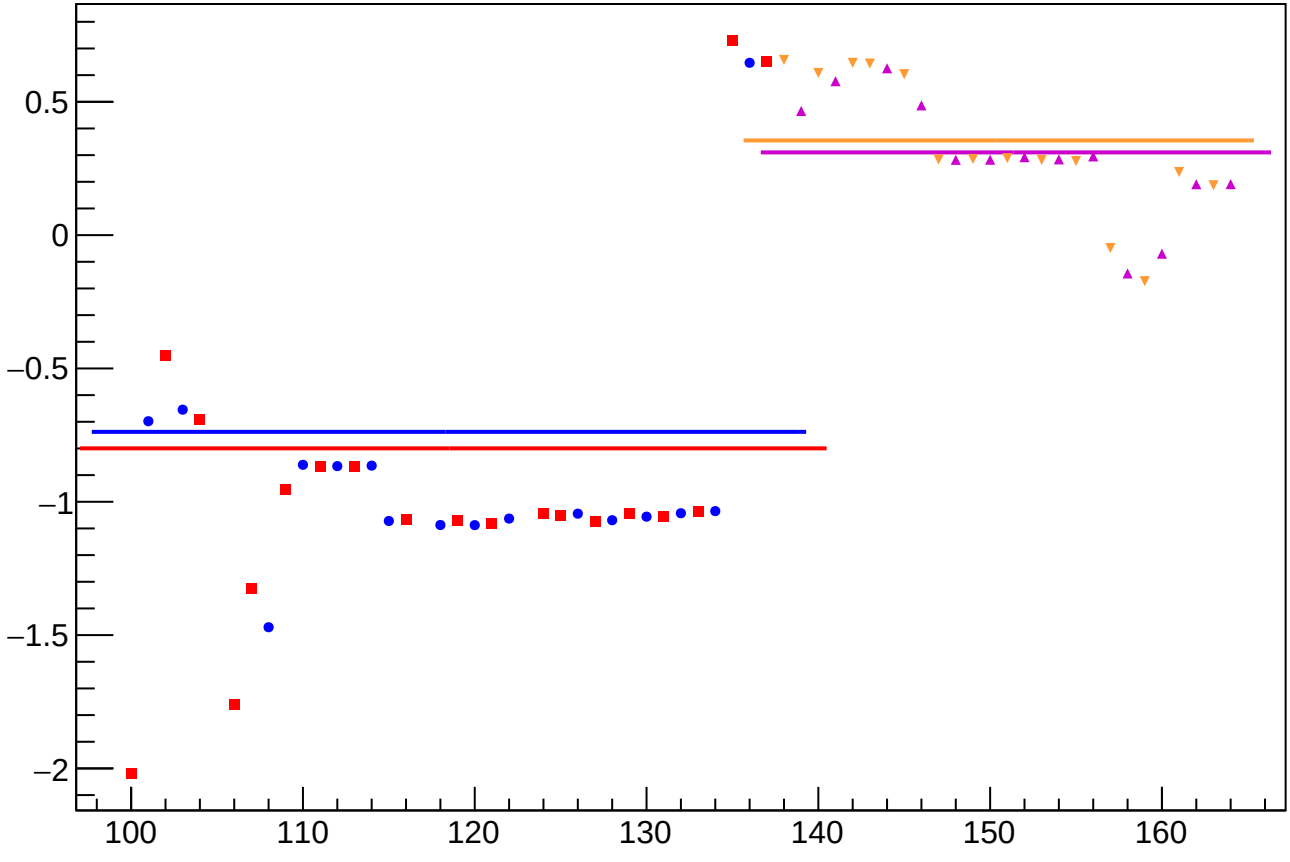
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5517991.7/28

Out: 0.012+/-0.000 χ^2/NDF:5066267.3/32

All: 0.012+/-0.000 χ^2/NDF: 10584310.9/61

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.355+/-0.000 χ^2/NDF:478702930.4/13

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.310+/-0.000 χ^2/NDF:404942792.2/12

Left: 0.333+/-0.000 χ^2/NDF: 891661763.5/26

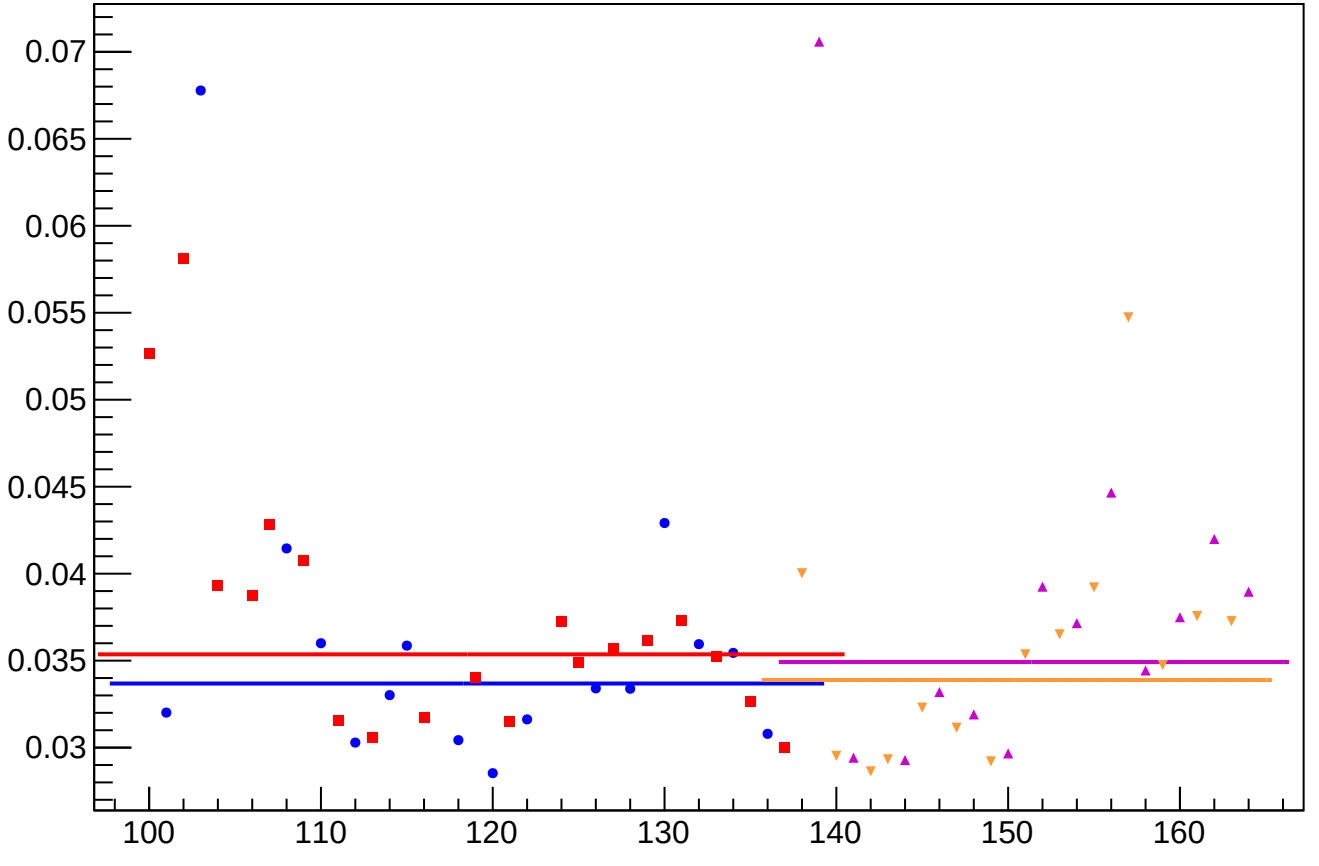
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.127+/-0.000 χ^2/NDF:6033961853.1/28

Out: -0.089+/-0.000 χ^2/NDF:6603967632.9/32

All: -0.108+/-0.000 χ^2/NDF: 12647364373.6/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.034+/-0.000 χ^2/NDF:421906.5/13

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:744944.4/12

Left: 0.034+/-0.000 χ^2/NDF: 1175399.9/26

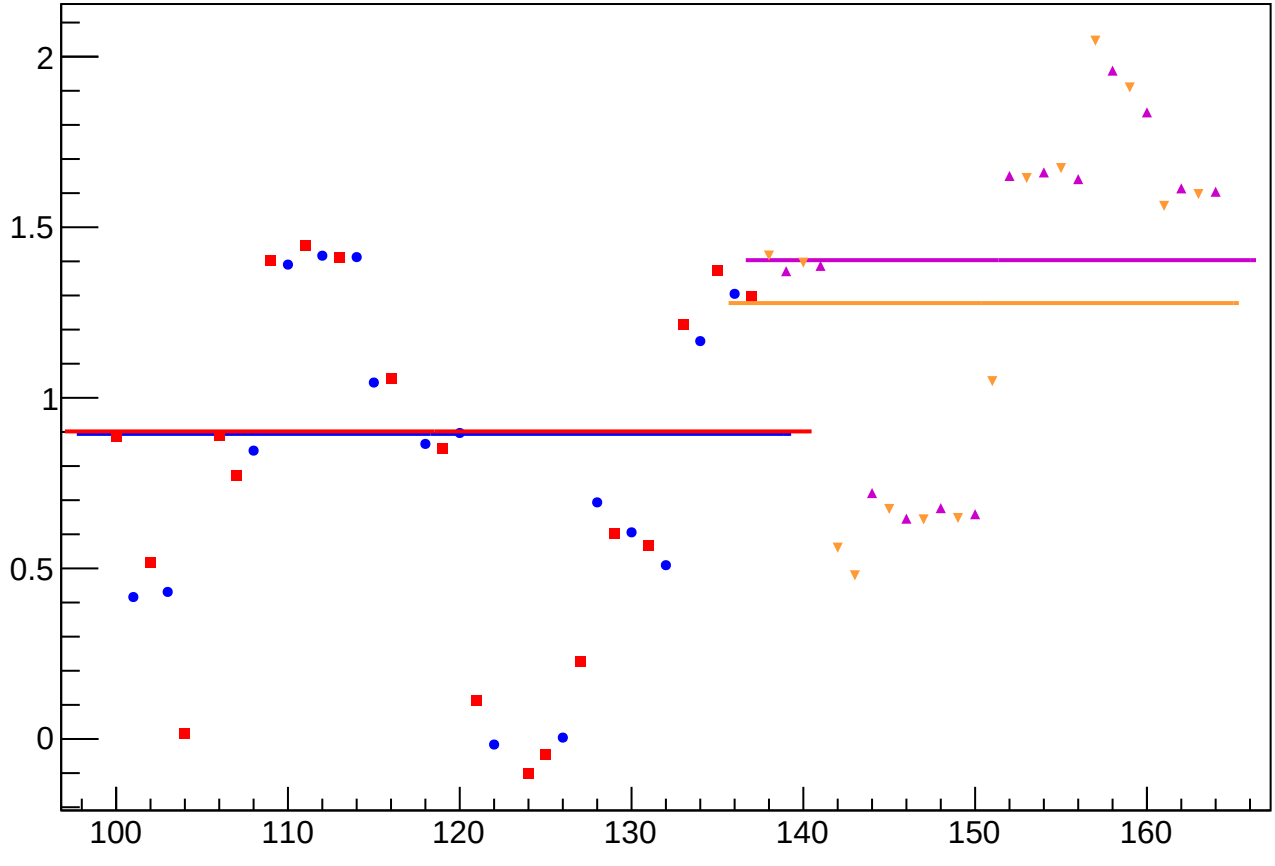
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.034+/-0.000 χ^2/NDF:1175064.1/28

Out: 0.034+/-0.000 χ^2/NDF:732090.2/32

All: 0.034+/-0.000 χ^2/NDF: 1907187.3/61

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.278+/-0.000 χ^2/NDF:30861245342.9/13

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.404+/-0.000 χ^2/NDF:22198176243.5/12

Left: 1.340+/-0.000 χ^2/NDF: 54027215384.8/26

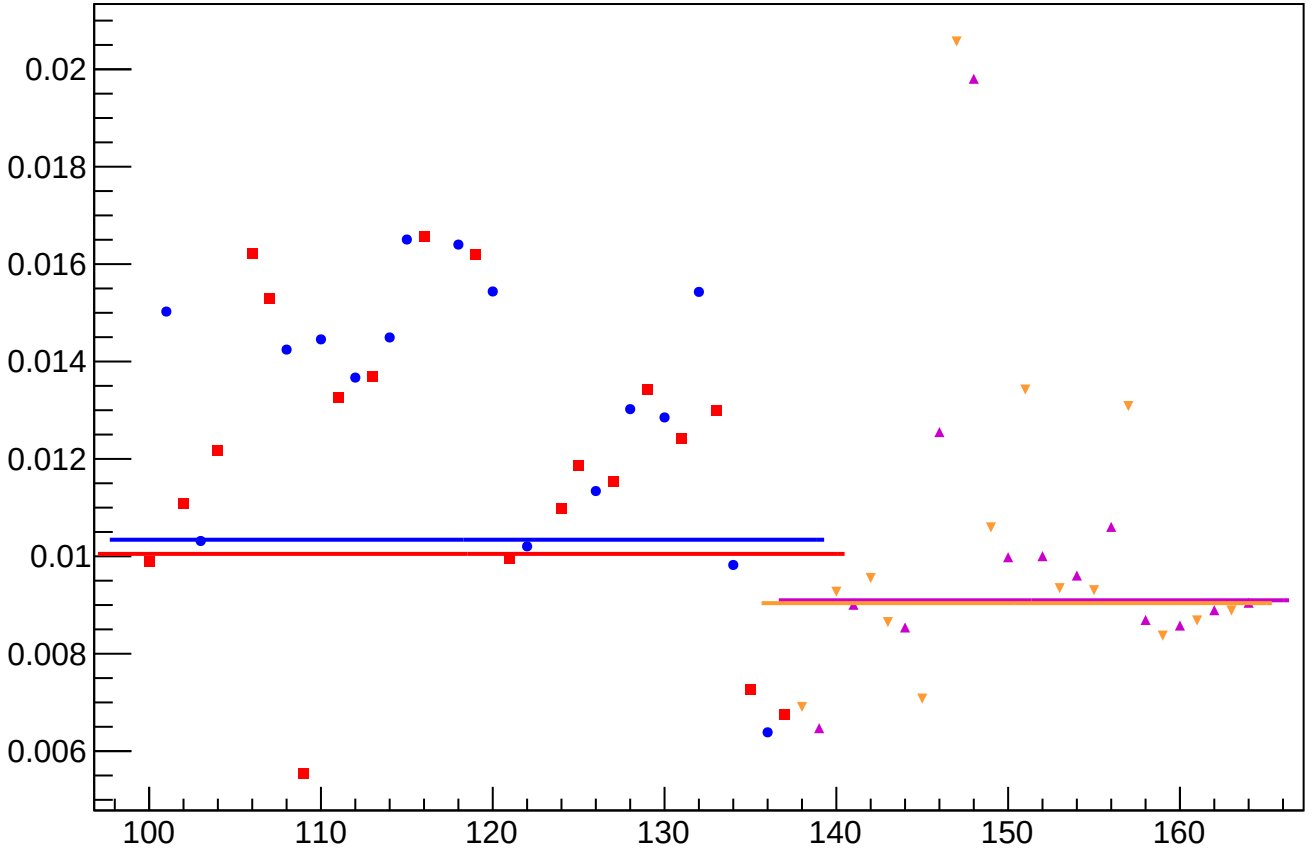
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.243+/-0.000 χ^2/NDF:44847160099.1/28

Out: 1.154+/-0.000 χ^2/NDF:54488856561.3/32

All: 1.198+/-0.000 χ^2/NDF: 100040055929.7

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:1123537.9/13

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:917976.6/12

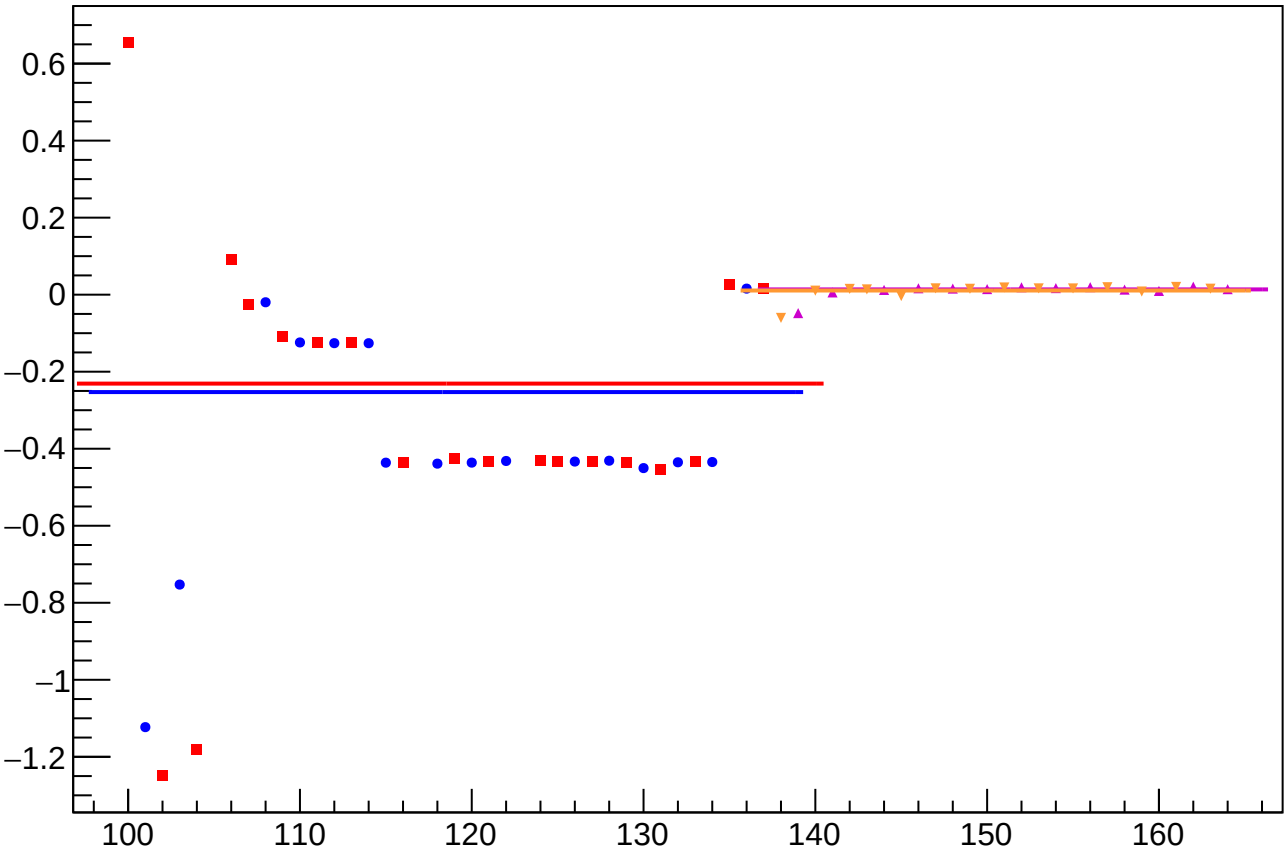
Left: 0.009+/-0.000 χ^2/NDF: 2041938.0/26

Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2386447.0/28

Out: 0.009+/-0.000 χ^2/NDF:2543321.1/32

All: 0.009+/-0.000 χ^2/NDF: 4932352.2/61



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:22839468.2/13

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.014+/-0.000 χ^2/NDF:6203930.2/12

Left: 0.012+/-0.000 χ^2/NDF: 29443895.5/26

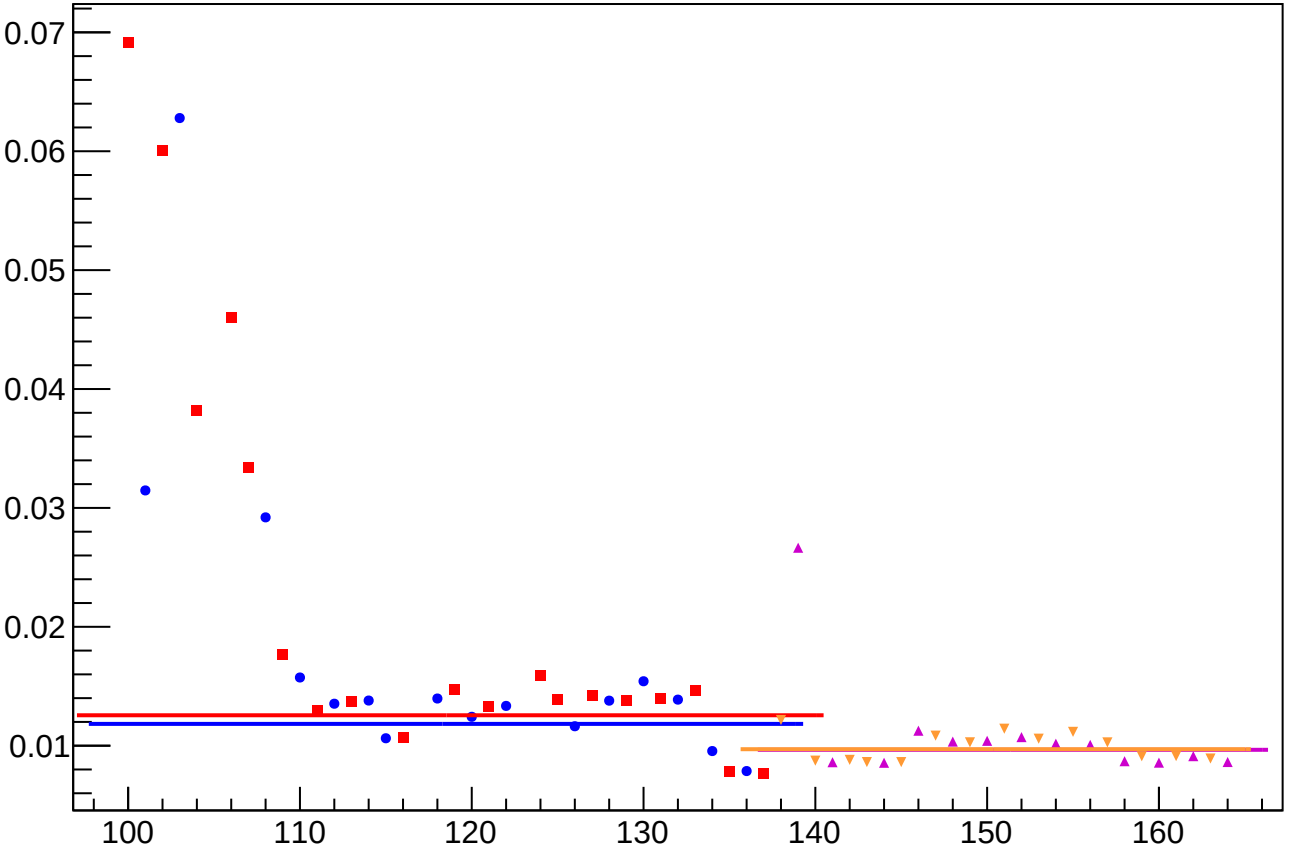
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.059+/-0.000 χ^2/NDF:3871614477.3/28

Out: -0.049+/-0.000 χ^2/NDF:3230861156.5/32

All: -0.054+/-0.000 χ^2/NDF: 7108900968.1/6

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:222017.0/13

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:845436.1/12

Left: 0.010+/-0.000 χ^2/NDF: 1067701.5/26

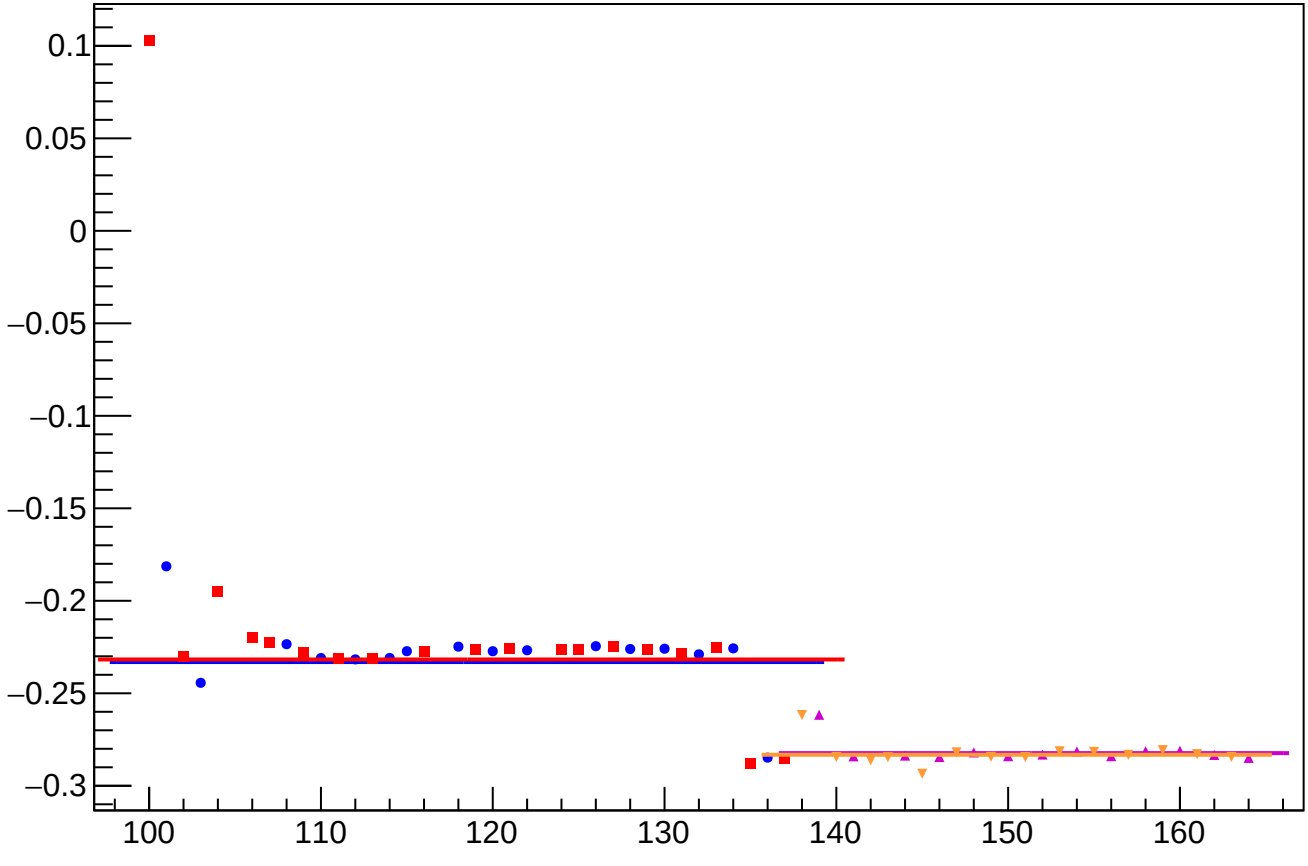
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3033959.5/28

Out: 0.010+/-0.000 χ^2/NDF:2829676.8/32

All: 0.010+/-0.000 χ^2/NDF: 5867042.6/61

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:15013555.5/13

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:6479885.8/12

Left: -0.283+/-0.000 χ^2/NDF: 21646988.2/26

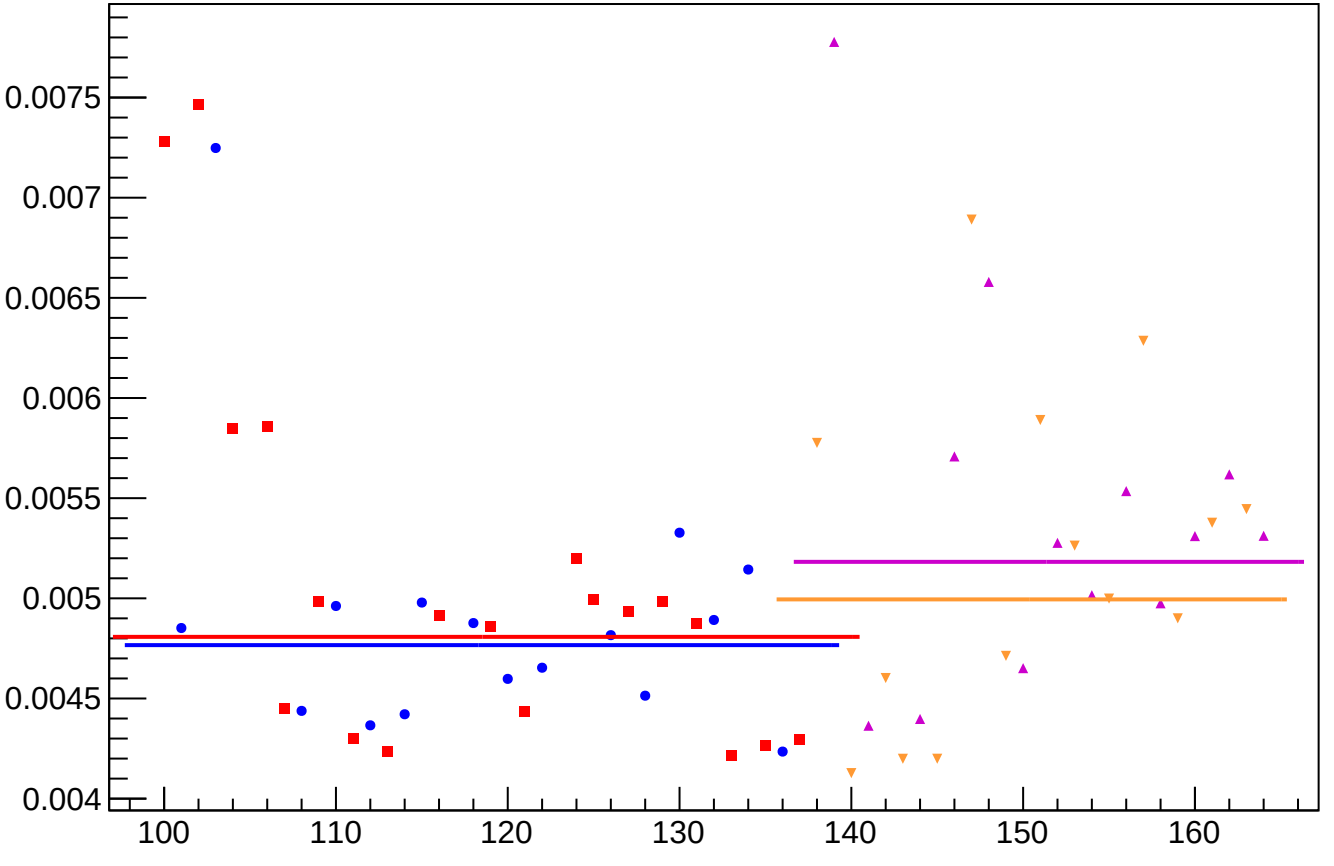
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.261+/-0.000 χ^2/NDF:598498139.0/28

Out: -0.262+/-0.000 χ^2/NDF:753197104.8/32

All: -0.262+/-0.000 χ^2/NDF: 1351829643.2/6

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:450871.6/13

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:418116.8/12

Left: 0.005+/-0.000 χ^2/NDF: 882826.5/26

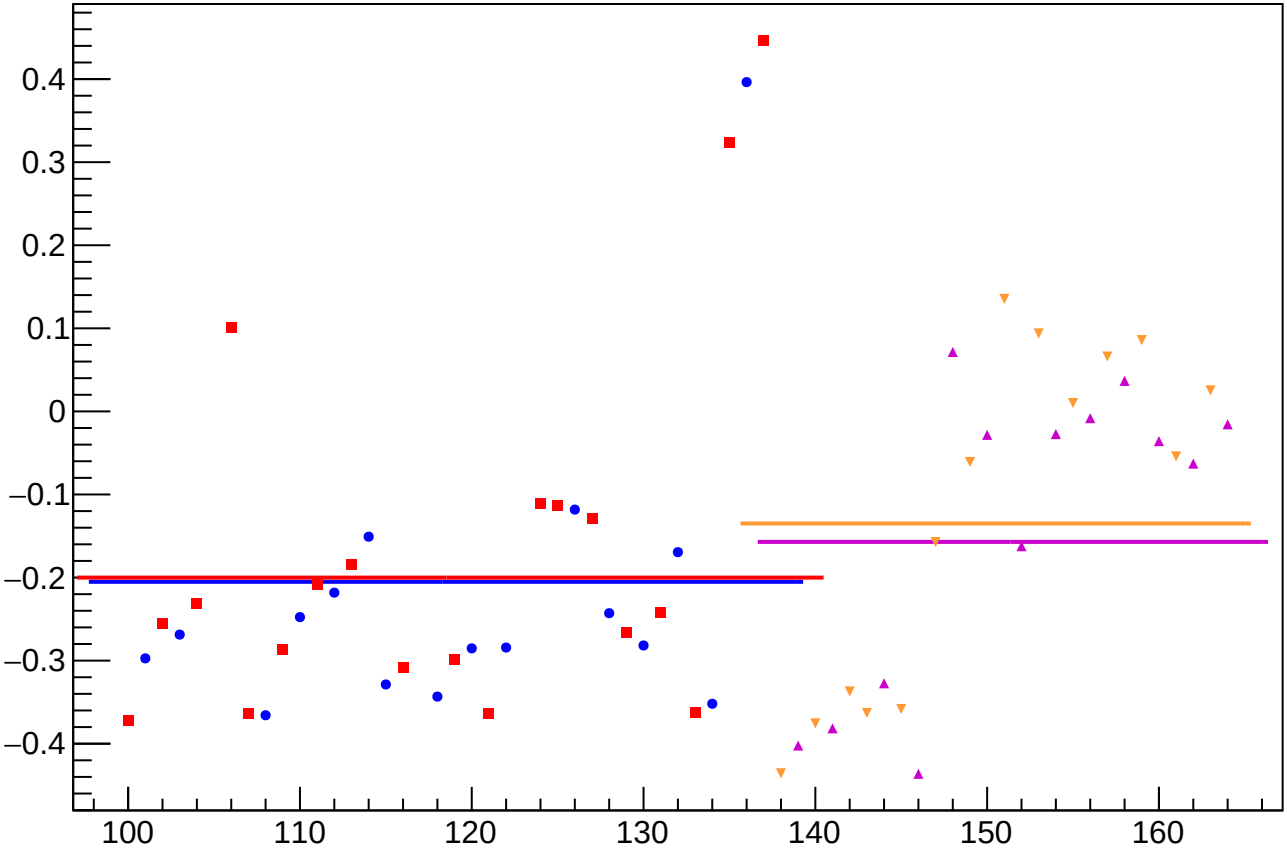
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:665902.6/28

Out: 0.005+/-0.000 χ^2/NDF:756499.3/32

All: 0.005+/-0.000 χ^2/NDF: 1427546.1/61

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.135+/-0.000 χ^2/NDF:14356407743.9/13

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.157+/-0.000 χ^2/NDF:9724593731.8/12

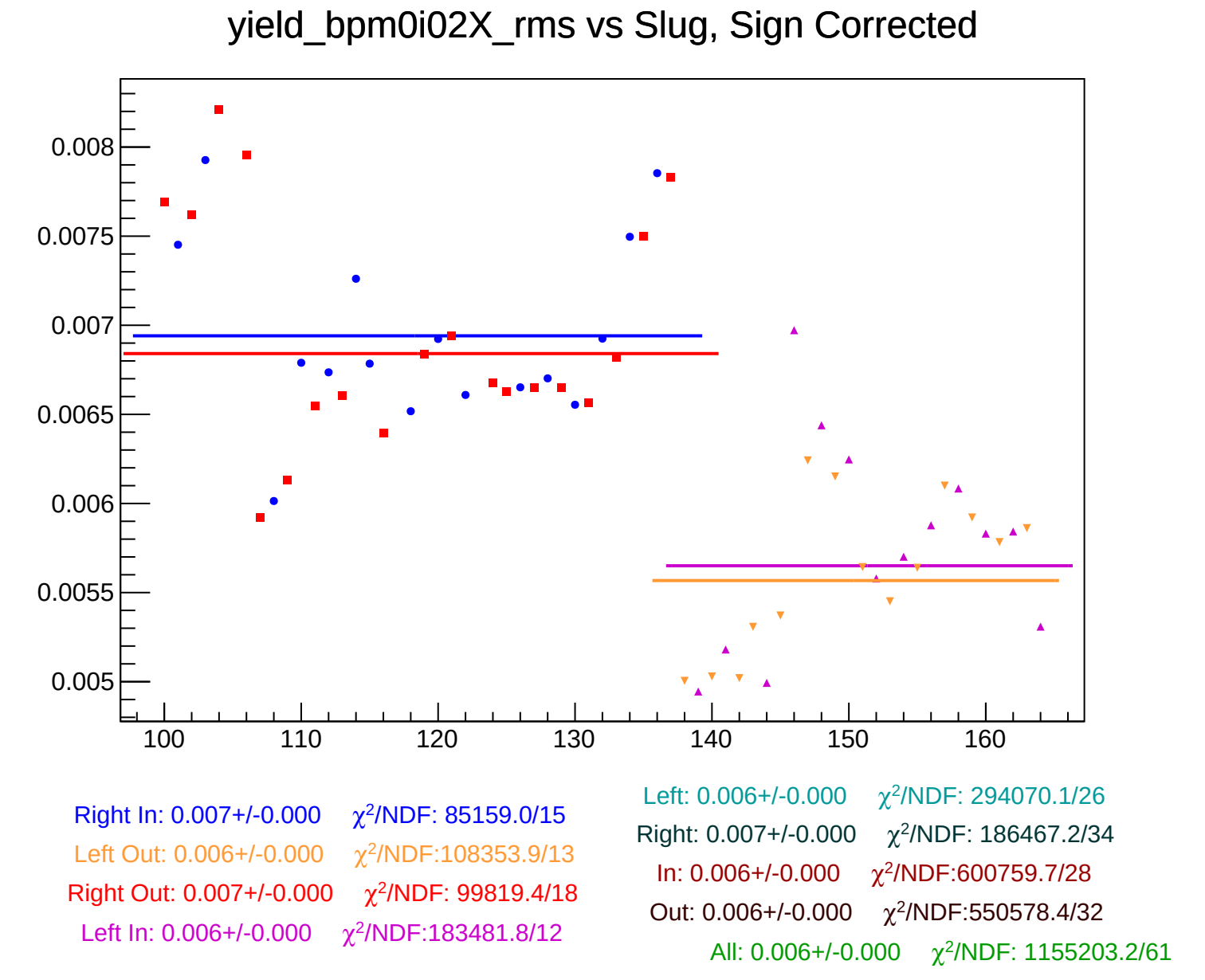
Left: -0.146+/-0.000 χ^2/NDF: 24160629581.9/26

Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

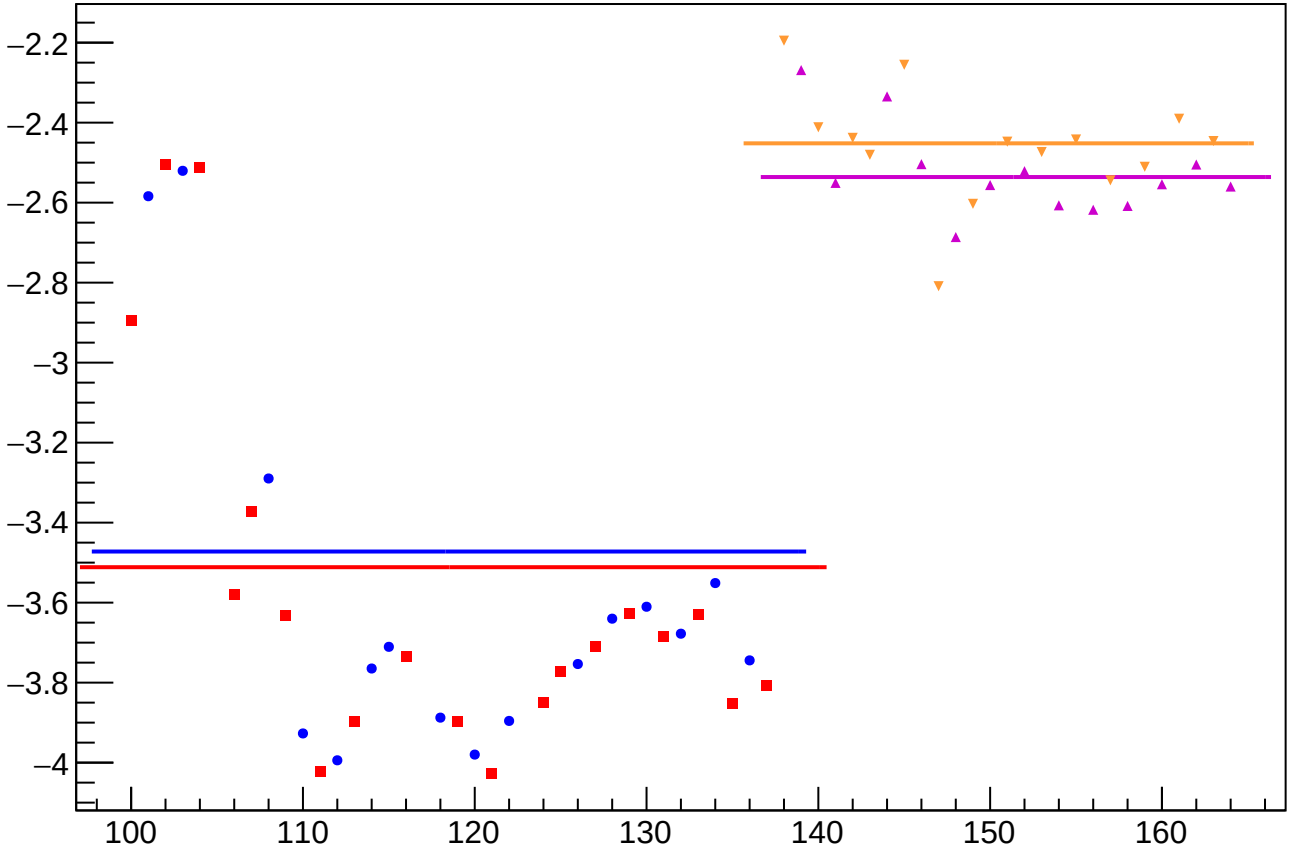
In: -0.172+/-0.000 χ^2/NDF:16143971581.2/28

Out: -0.155+/-0.000 χ^2/NDF:20053993237.1/32

All: -0.164+/-0.000 χ^2/NDF: 36265243464.9/


yield_bpm0i02X_rms vs Slug, Sign Corrected
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
100
110
120
130
140
150
160
Right In: 0.007+/-0.000 χ²/NDF: 85159.0/15
Left Out: 0.006+/-0.000 χ²/NDF:108353.9/13
Right Out: 0.007+/-0.000 χ²/NDF: 99819.4/18
Left In: 0.006+/-0.000 χ²/NDF:183481.8/12
Left: 0.006+/-0.000 χ²/NDF: 294070.1/26
Right: 0.007+/-0.000 χ²/NDF: 186467.2/34
In: 0.006+/-0.000 χ²/NDF:600759.7/28
Out: 0.006+/-0.000 χ²/NDF:550578.4/32
All: 0.006+/-0.000 χ²/NDF: 1155203.2/61

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.452+/-0.000 χ^2/NDF:1623131223.9/13

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.536+/-0.000 χ^2/NDF:1295219267.0/12

Left: -2.493+/-0.000 χ^2/NDF: 3392591481.4/26

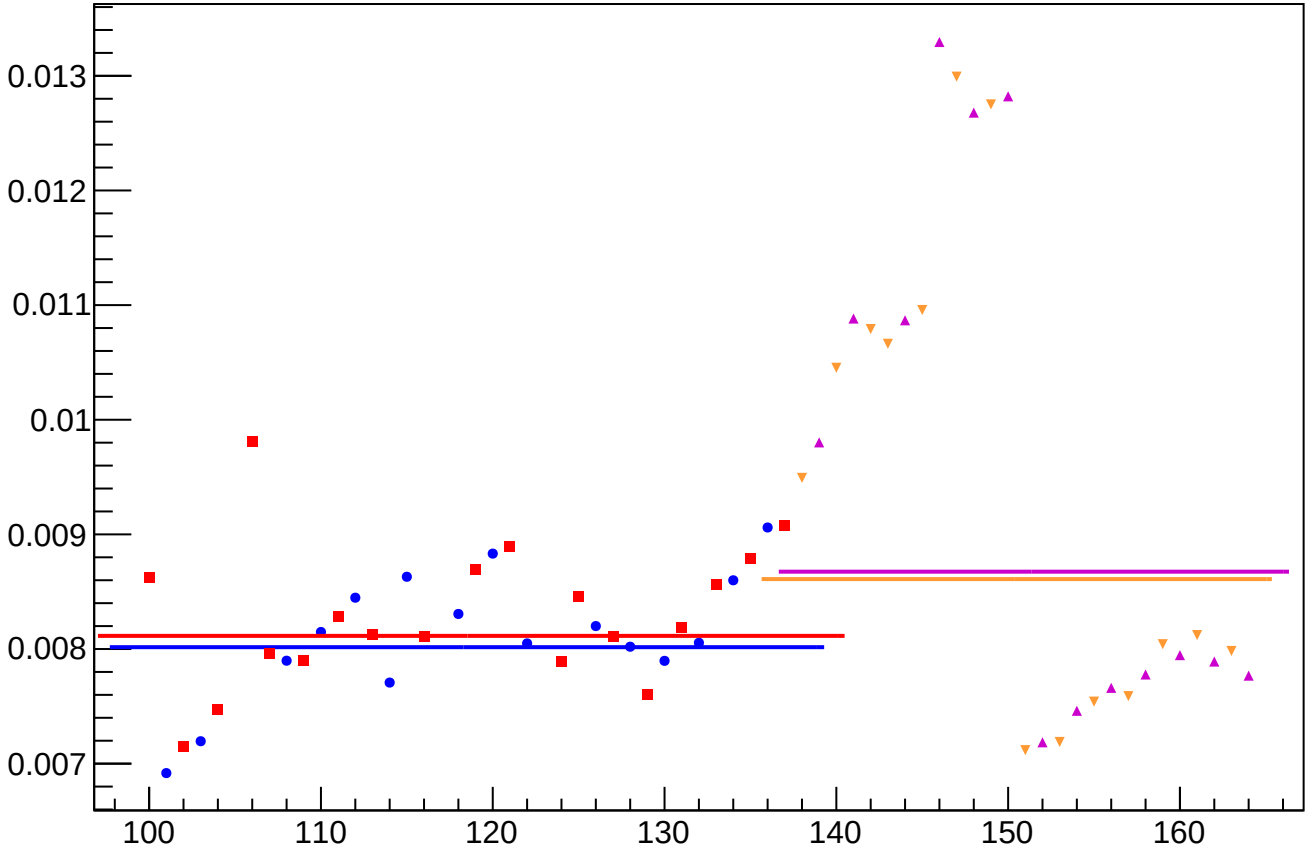
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.960+/-0.000 χ^2/NDF:82992775757.0/28

Out: -2.920+/-0.000 χ^2/NDF:98999677463.8/32

All: -2.940+/-0.000 χ^2/NDF: 182185690614.4

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:734414.4/13

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.009+/-0.000 χ^2/NDF:844511.0/12

Left: 0.009+/-0.000 χ^2/NDF: 1579486.7/26

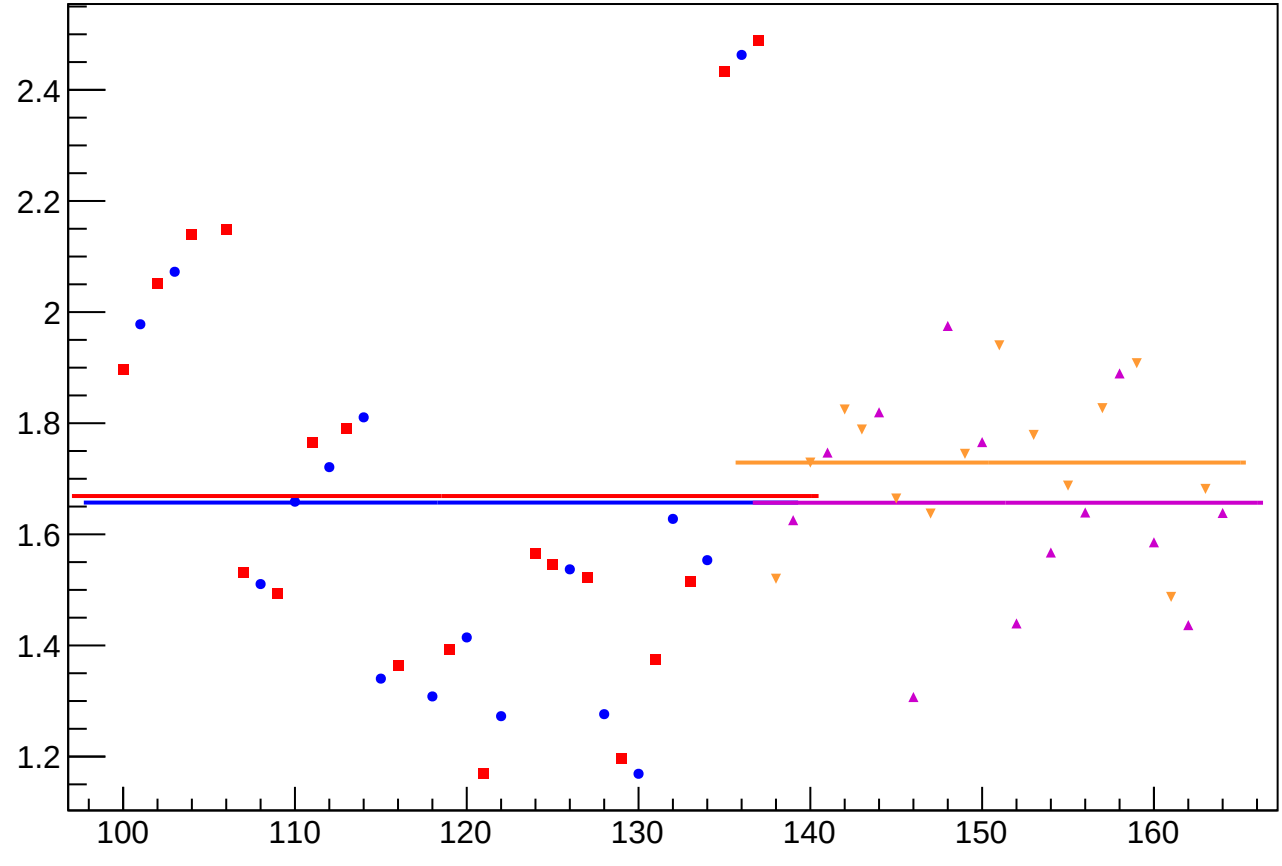
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:982324.0/28

Out: 0.008+/-0.000 χ^2/NDF:835044.5/32

All: 0.008+/-0.000 χ^2/NDF: 1817420.8/61

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.729+/-0.000 χ^2/NDF:1283254304.0/13

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.657+/-0.000 χ^2/NDF:2136284499.6/12

Left: 1.694+/-0.000 χ^2/NDF: 3615842574.4/26

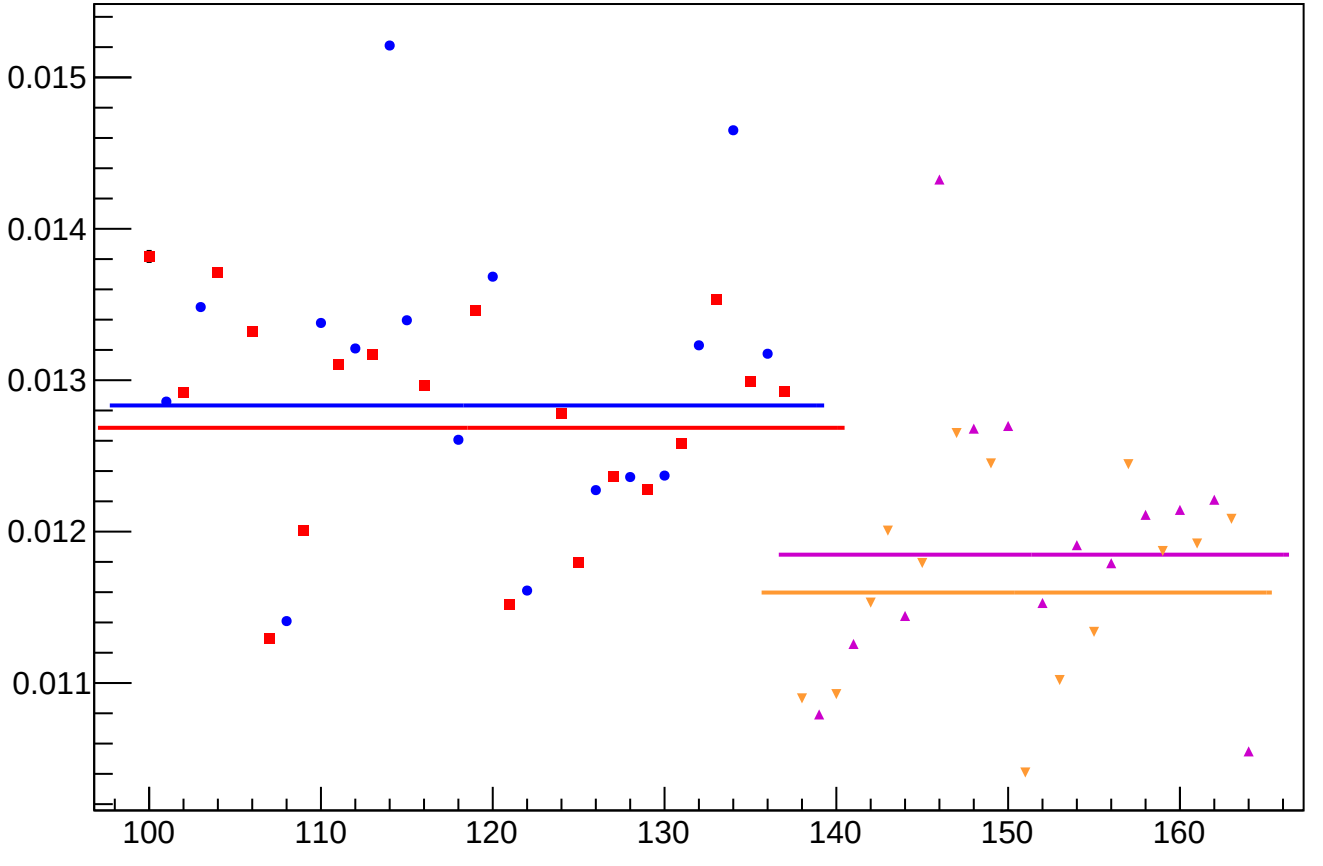
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.657+/-0.000 χ^2/NDF:8802440993.7/28

Out: 1.707+/-0.000 χ^2/NDF:7744236560.8/32

All: 1.683+/-0.000 χ^2/NDF: 16696442150.3/6

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:68532.4/13

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:105009.9/12

Left: 0.012+/-0.000 χ^2/NDF: 178240.3/26

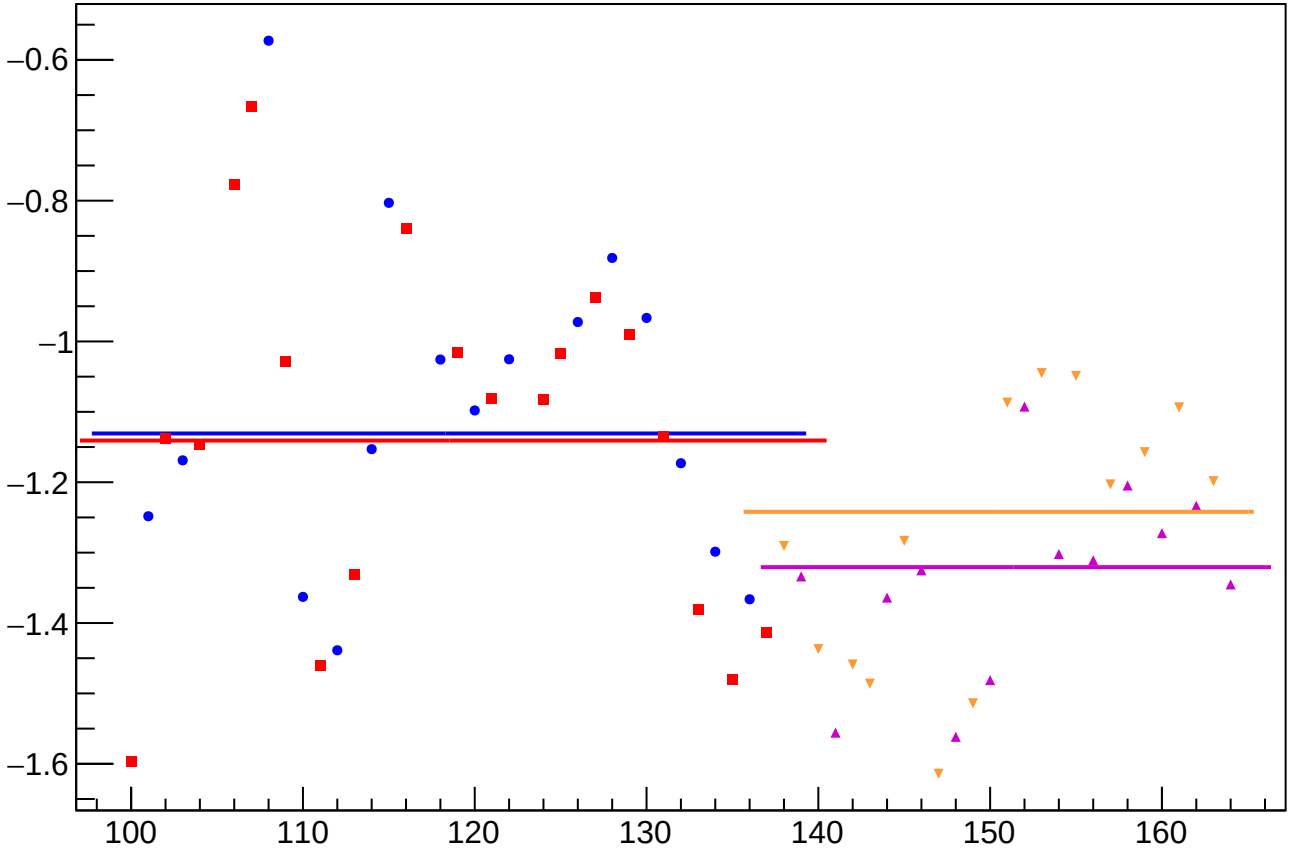
Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:209615.2/28

Out: 0.012+/-0.000 χ^2/NDF:179233.3/32

All: 0.012+/-0.000 χ^2/NDF: 394519.5/61

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.242+/-0.000 χ^2/NDF:4374269755.3/13

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.321+/-0.000 χ^2/NDF:2150386905.5/12

Left: -1.280+/-0.000 χ^2/NDF: 6964499586.9/26

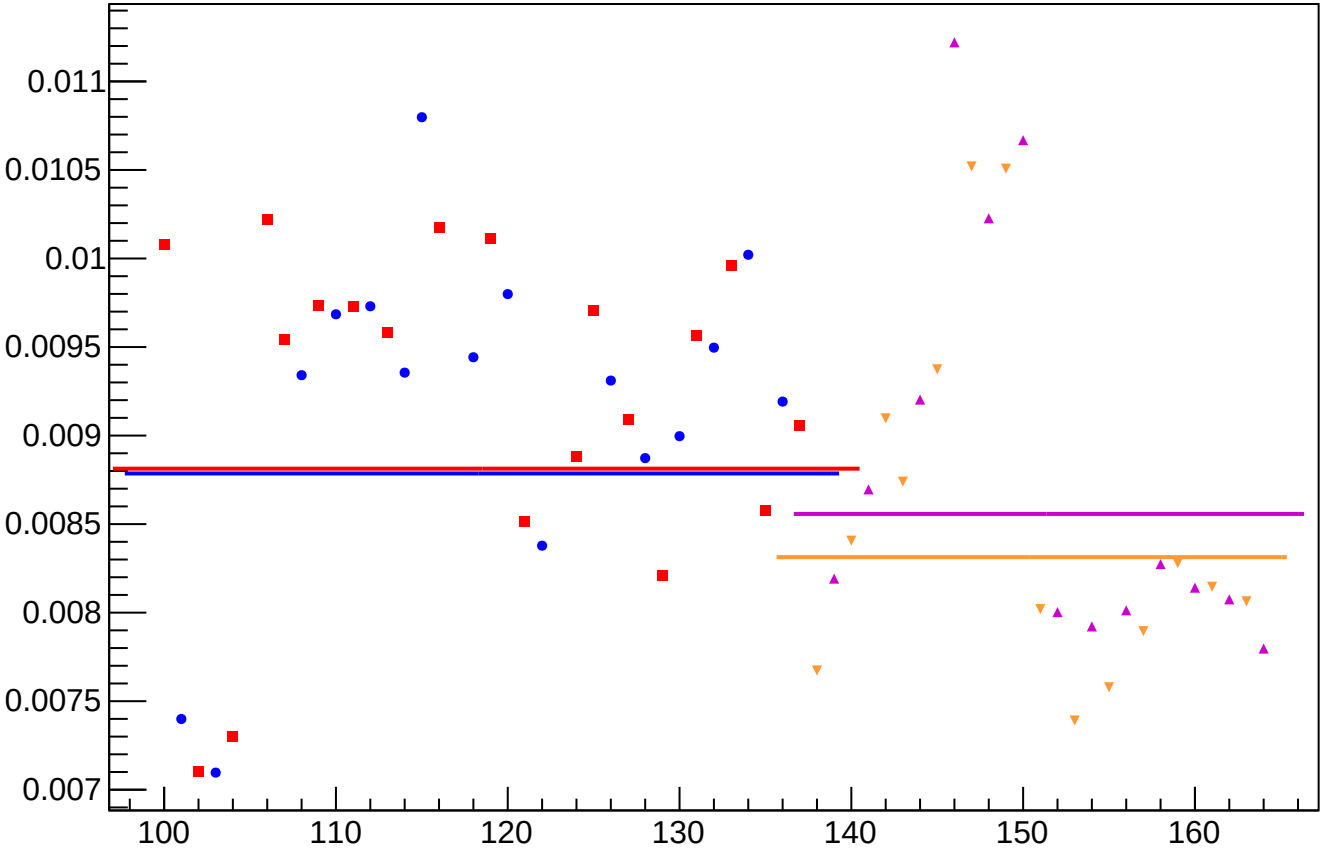
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.246+/-0.000 χ^2/NDF:7883955735.0/28

Out: -1.204+/-0.000 χ^2/NDF:8488524594.9/32

All: -1.224+/-0.000 χ^2/NDF: 16578866514.8/

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:207345.6/13

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:237014.3/12

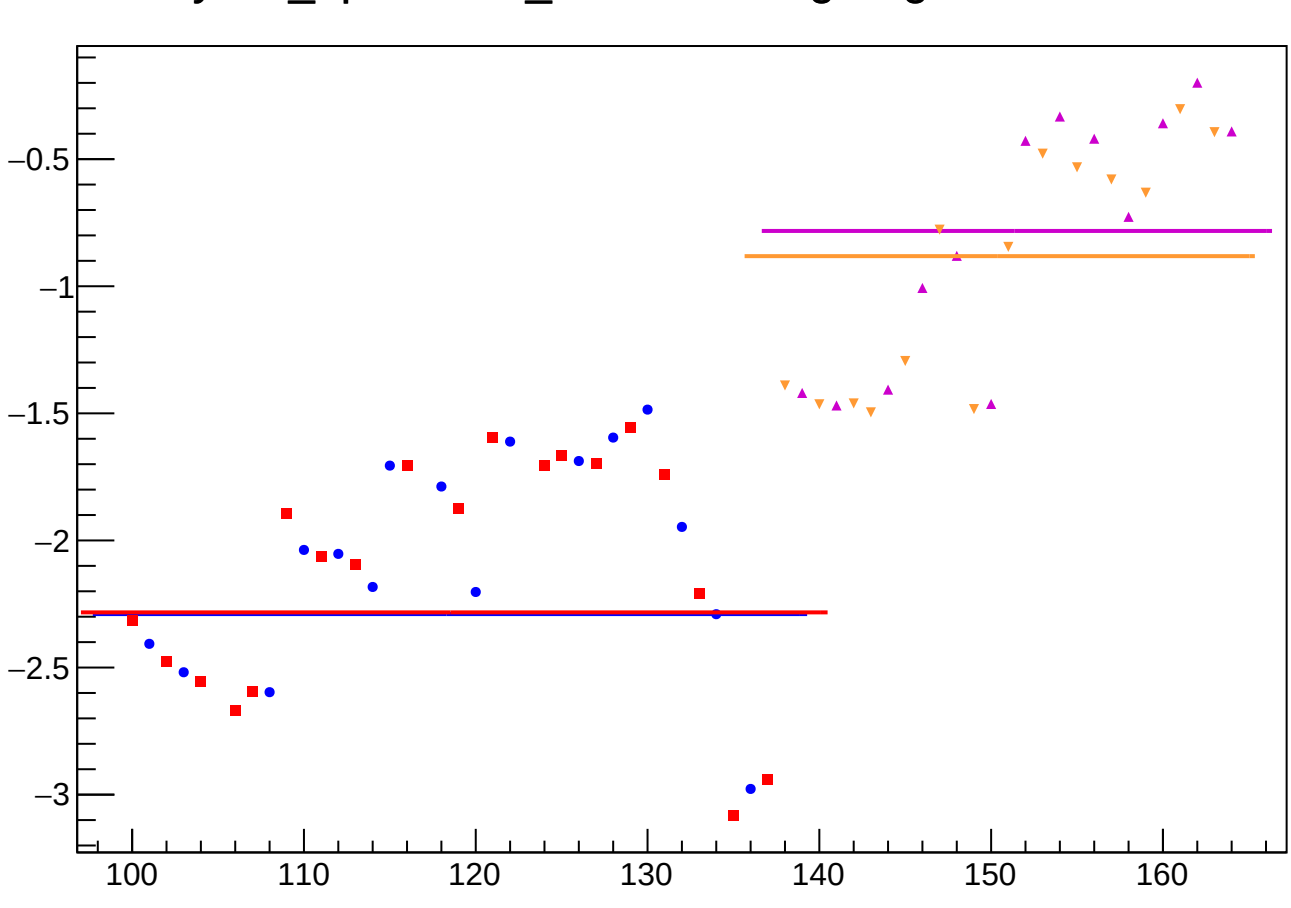
Left: 0.008+/-0.000 χ^2/NDF: 452826.1/26

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:416117.6/28

Out: 0.009+/-0.000 χ^2/NDF:439584.2/32

All: 0.009+/-0.000 χ^2/NDF: 860583.3/61



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.882+/-0.000 χ^2/NDF:27970645872.1/13

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.782+/-0.000 χ^2/NDF:31711390829.8/12

Left: -0.832+/-0.000 χ^2/NDF: 60430141855.8/26

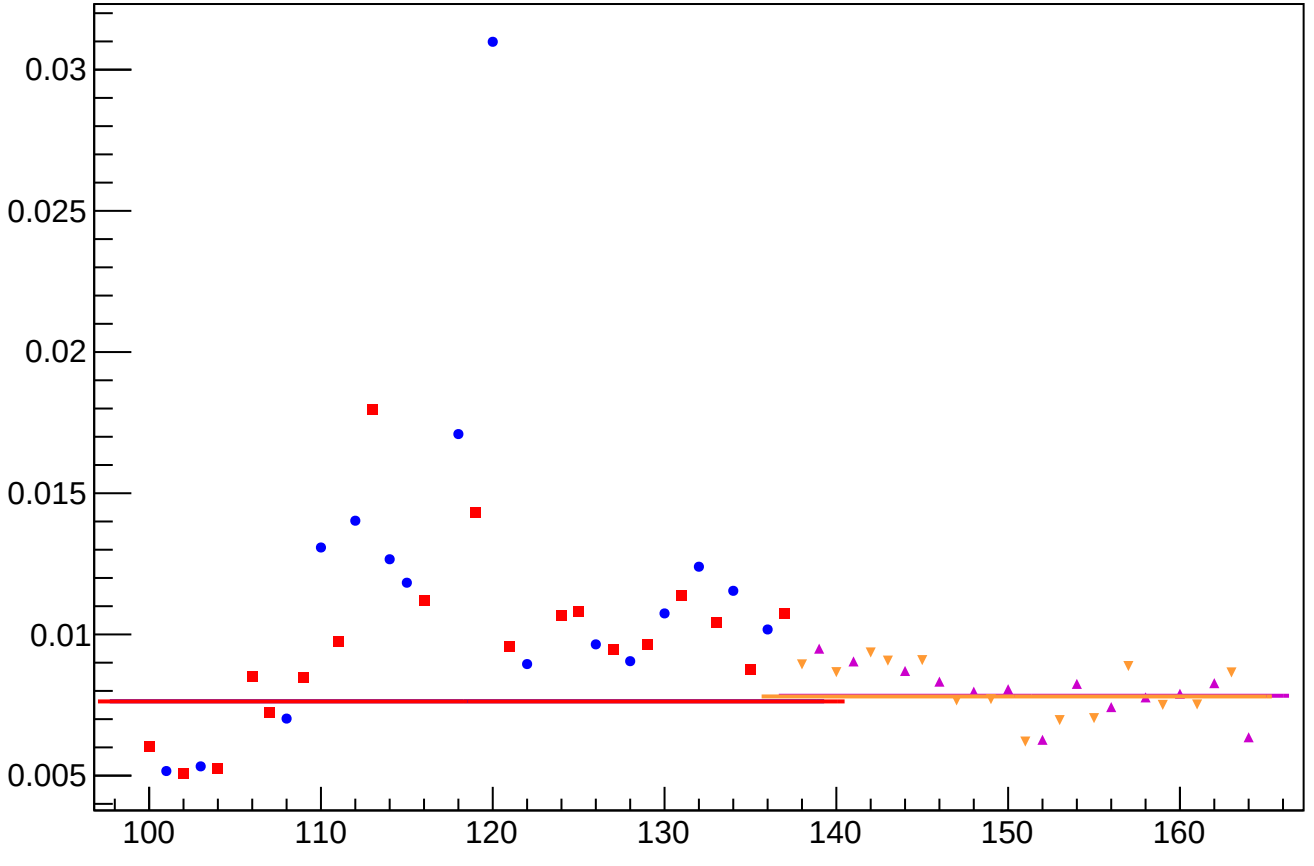
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.335+/-0.000 χ^2/NDF:172498114667.8/28

Out: -1.418+/-0.000 χ^2/NDF:160494232480.5/32

All: -1.377+/-0.000 χ^2/NDF: 333831537166.4

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:283093.4/13

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:261844.5/12

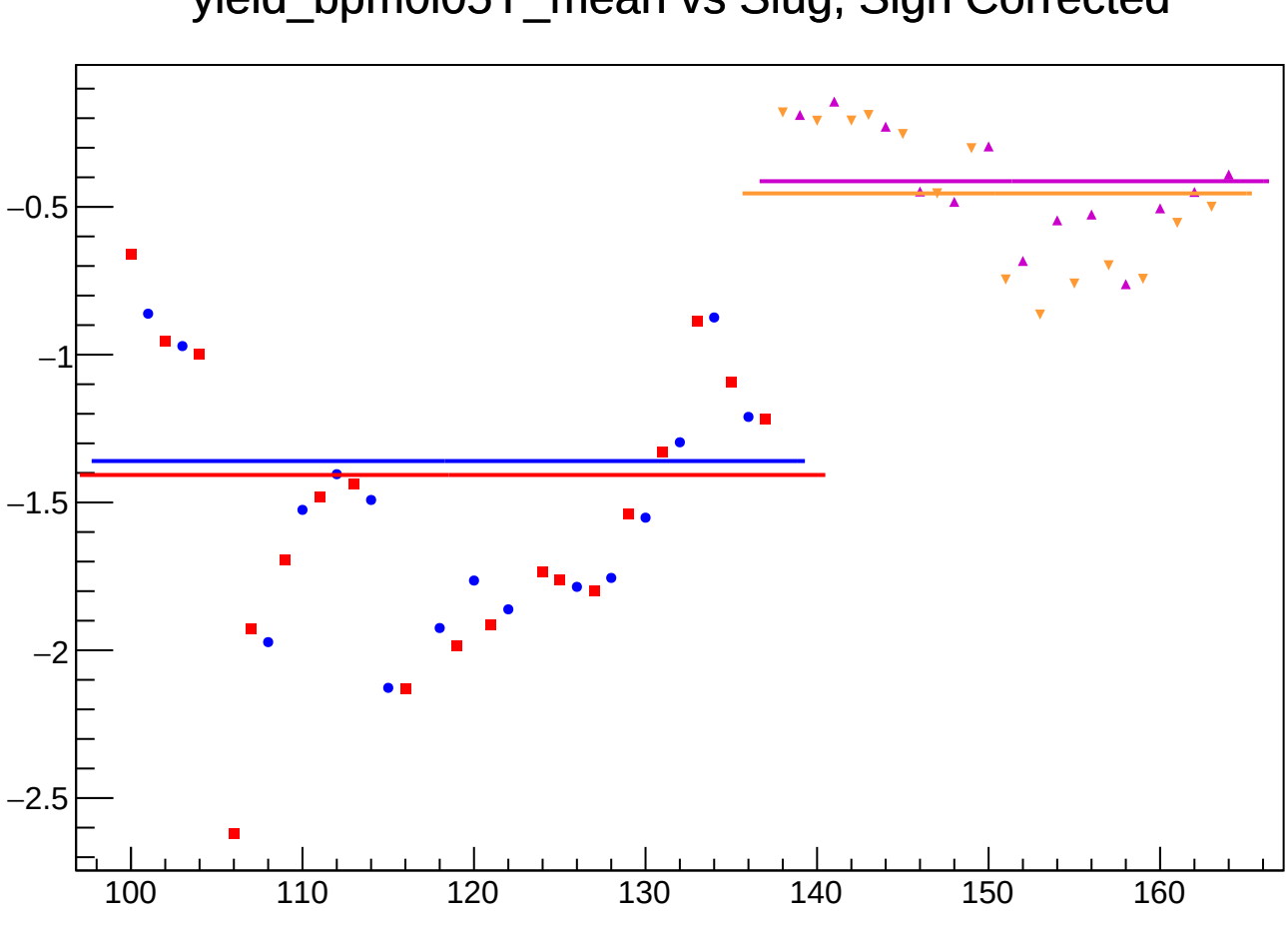
Left: 0.008+/-0.000 χ^2/NDF: 545030.6/26

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

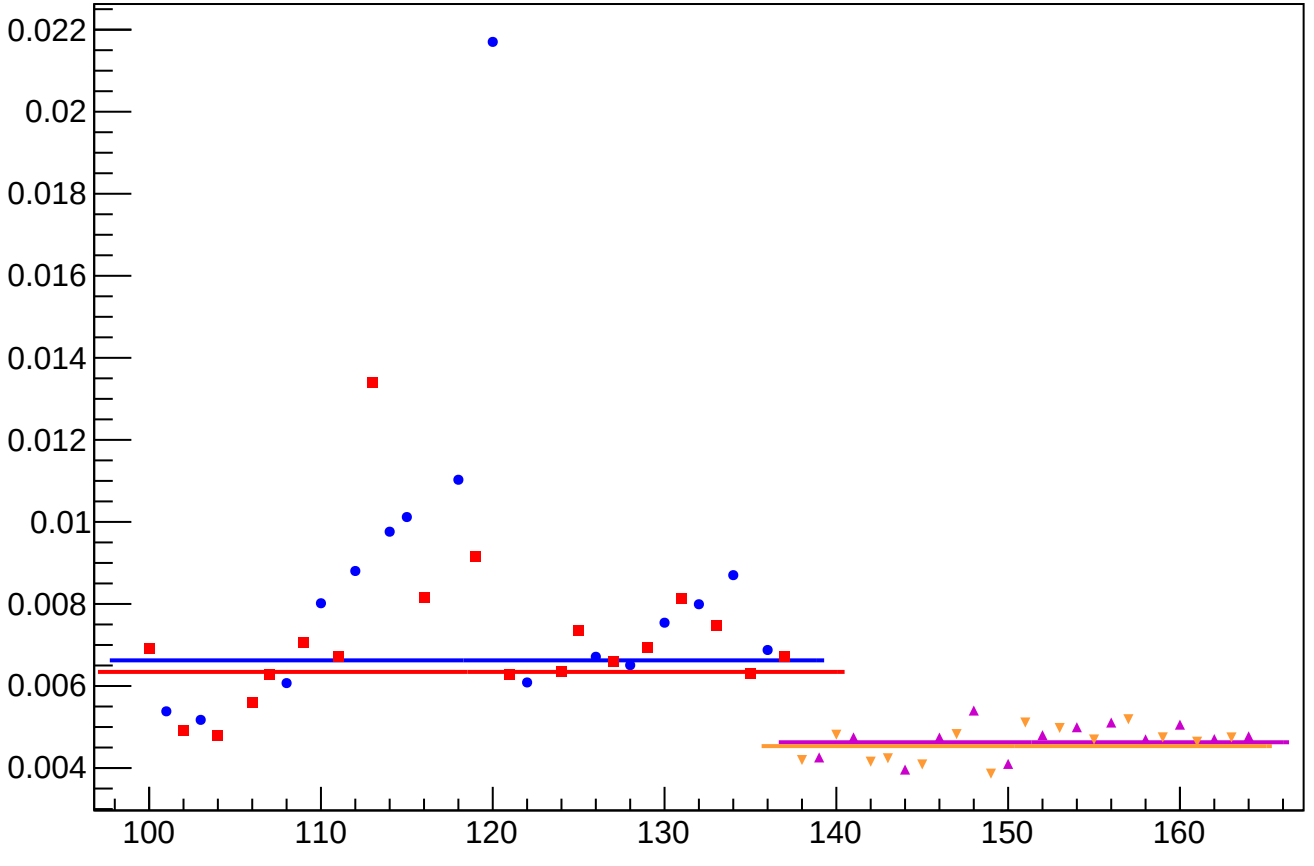
In: 0.008+/-0.000 χ^2/NDF:1976883.7/28

Out: 0.008+/-0.000 χ^2/NDF:1604496.5/32

All: 0.008+/-0.000 χ^2/NDF: 3581481.7/61


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.454+/-0.000 χ²/NDF:27889856550.6/13
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.413+/-0.000 χ²/NDF:15498387499.0/12
Left: -0.434+/-0.000 χ²/NDF: 43784514605.9/26
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.627+/-0.000 χ²/NDF:128499041267.8/28
Out: -0.683+/-0.000 χ²/NDF:162622389700.4/32
All: -0.656+/-0.000 χ²/NDF: 292072500490.9

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:154847.5/13

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:148942.8/12

Left: 0.005+/-0.000 χ^2/NDF: 307901.3/26

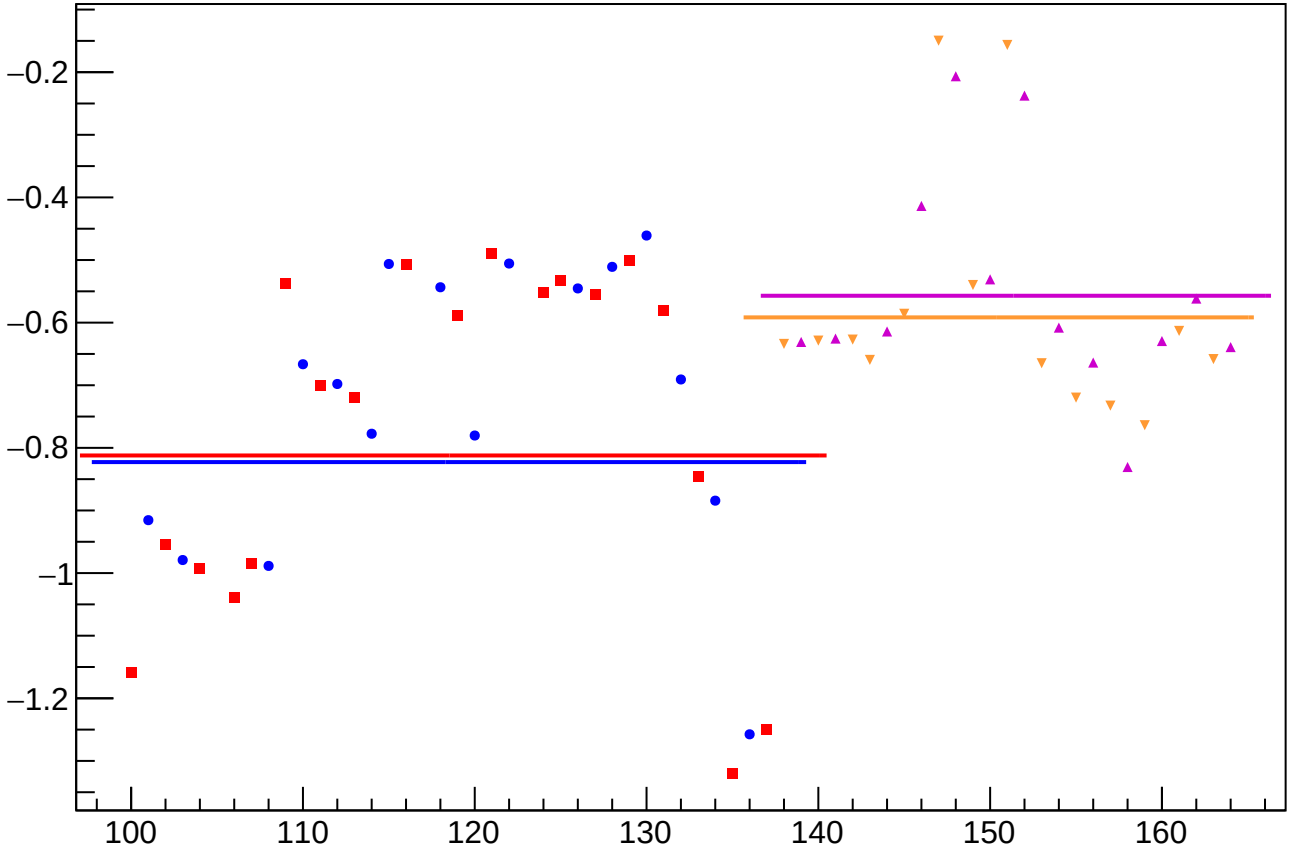
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1656741.1/28

Out: 0.005+/-0.000 χ^2/NDF:1440469.1/32

All: 0.005+/-0.000 χ^2/NDF: 3104677.2/61

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.592+/-0.000 χ^2/NDF:14202632122.1/13

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.557+/-0.000 χ^2/NDF:12332122844.6/12

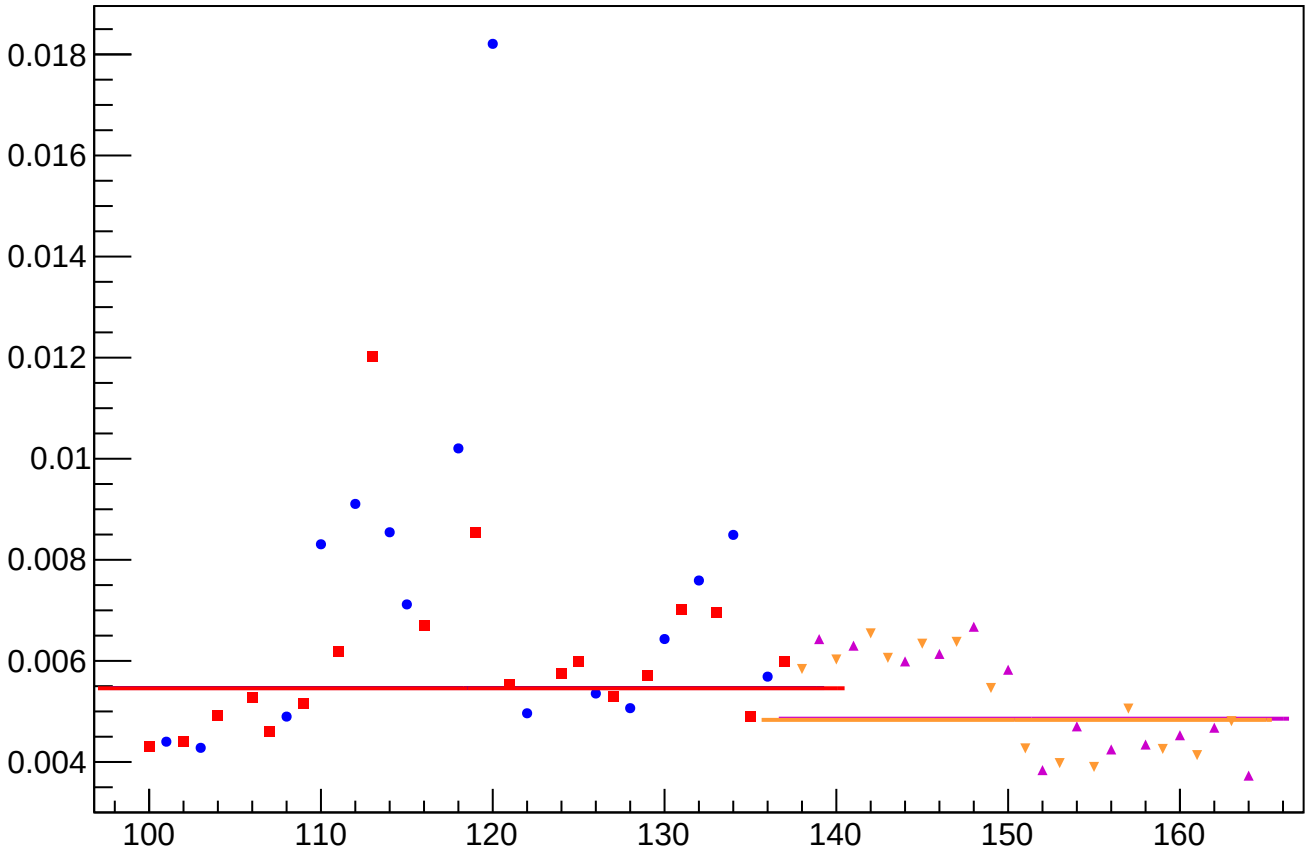
Left: -0.575+/-0.000 χ^2/NDF: 26770661934.7/26

Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

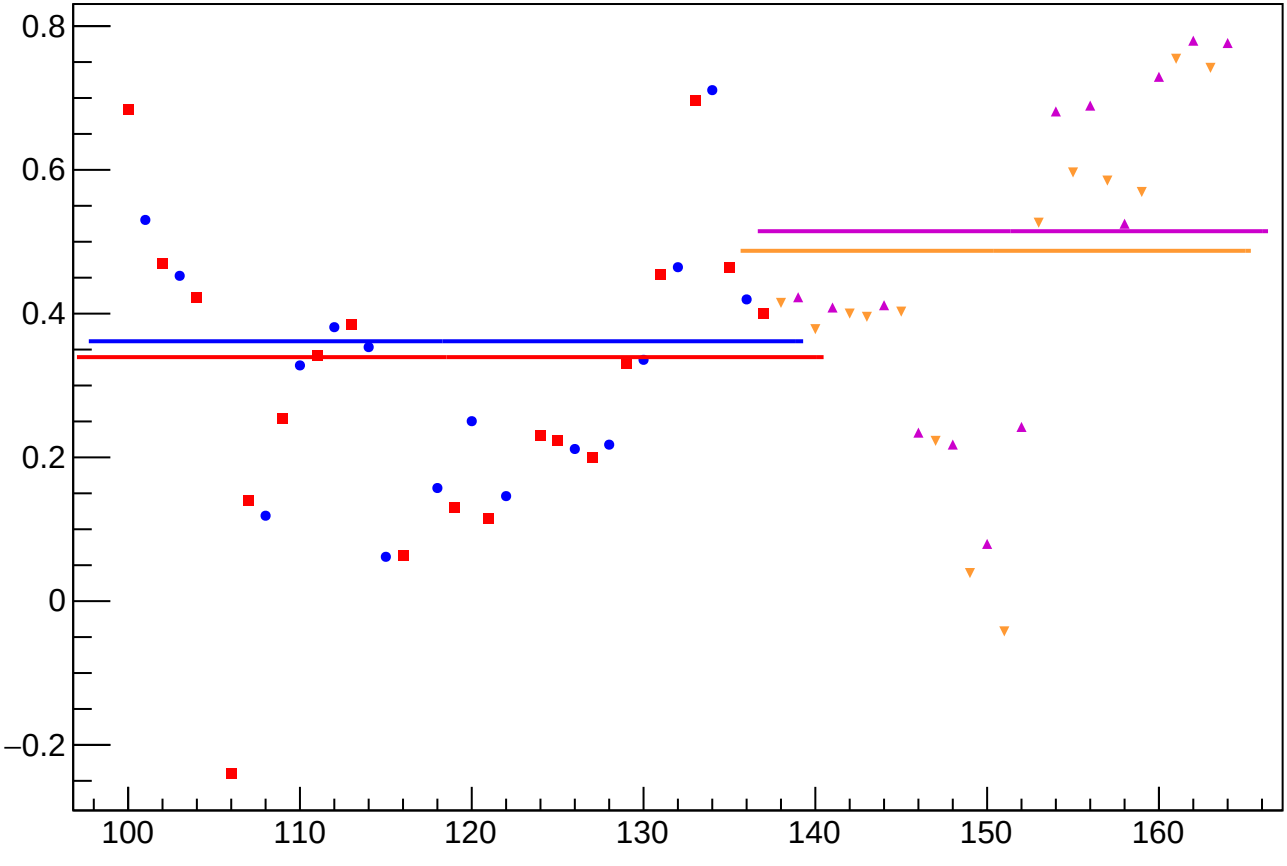
In: -0.642+/-0.000 χ^2/NDF:33409617235.8/28

Out: -0.666+/-0.000 χ^2/NDF:35549075230.7/32

All: -0.654+/-0.000 χ^2/NDF: 69117565034.9/


yield_bpm0i07X_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
100
110
120
130
140
150
160
Right In: 0.005+/-0.000 χ²/NDF: 961483.6/15
Left Out: 0.005+/-0.000 χ²/NDF:639080.1/13
Right Out: 0.005+/-0.000 χ²/NDF: 507792.7/18
Left In: 0.005+/-0.000 χ²/NDF:724107.8/12
Left: 0.005+/-0.000 χ²/NDF: 1363404.3/26
Right: 0.005+/-0.000 χ²/NDF: 1469281.0/34
In: 0.005+/-0.000 χ²/NDF:1777909.8/28
Out: 0.005+/-0.000 χ²/NDF:1251665.0/32
All: 0.005+/-0.000 χ²/NDF: 3029617.1/61

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.487+/-0.000 χ^2/NDF:28404038926.5/13

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.515+/-0.000 χ^2/NDF:27481233678.9/12

Left: 0.501+/-0.000 χ^2/NDF: 56100627404.0/26

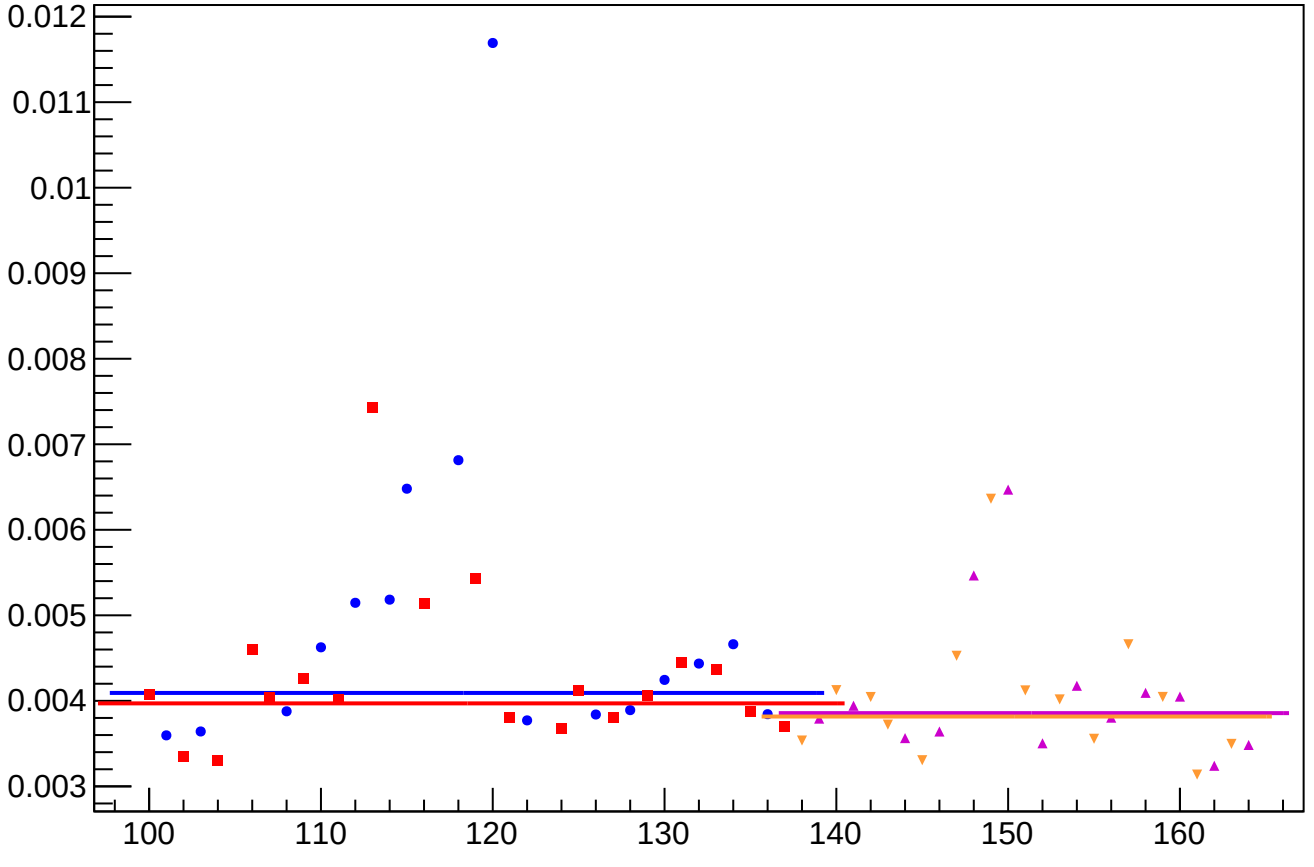
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.455+/-0.000 χ^2/NDF:41477187168.4/28

Out: 0.427+/-0.000 χ^2/NDF:45743106642.3/32

All: 0.440+/-0.000 χ^2/NDF: 87591114044.7/6

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:431237.4/13

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:447519.9/12

Left: 0.004+/-0.000 χ^2/NDF: 879675.2/26

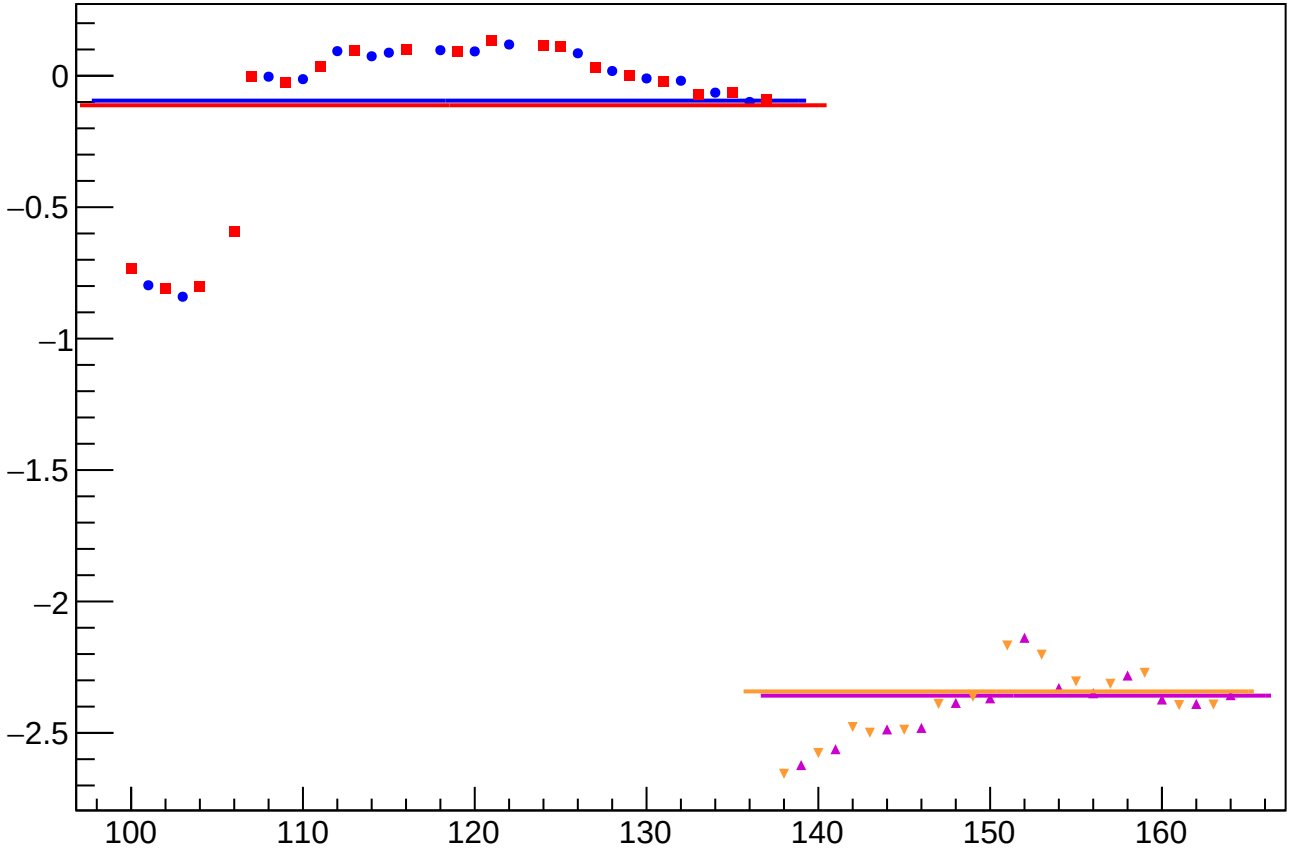
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:964092.2/28

Out: 0.004+/-0.000 χ^2/NDF:756325.1/32

All: 0.004+/-0.000 χ^2/NDF: 1725067.1/61

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.342+/-0.000 χ^2/NDF:1642162807.4/13

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.358+/-0.000 χ^2/NDF:1281876717.9/12

Left: -2.350+/-0.000 χ^2/NDF: 2937224550.6/26

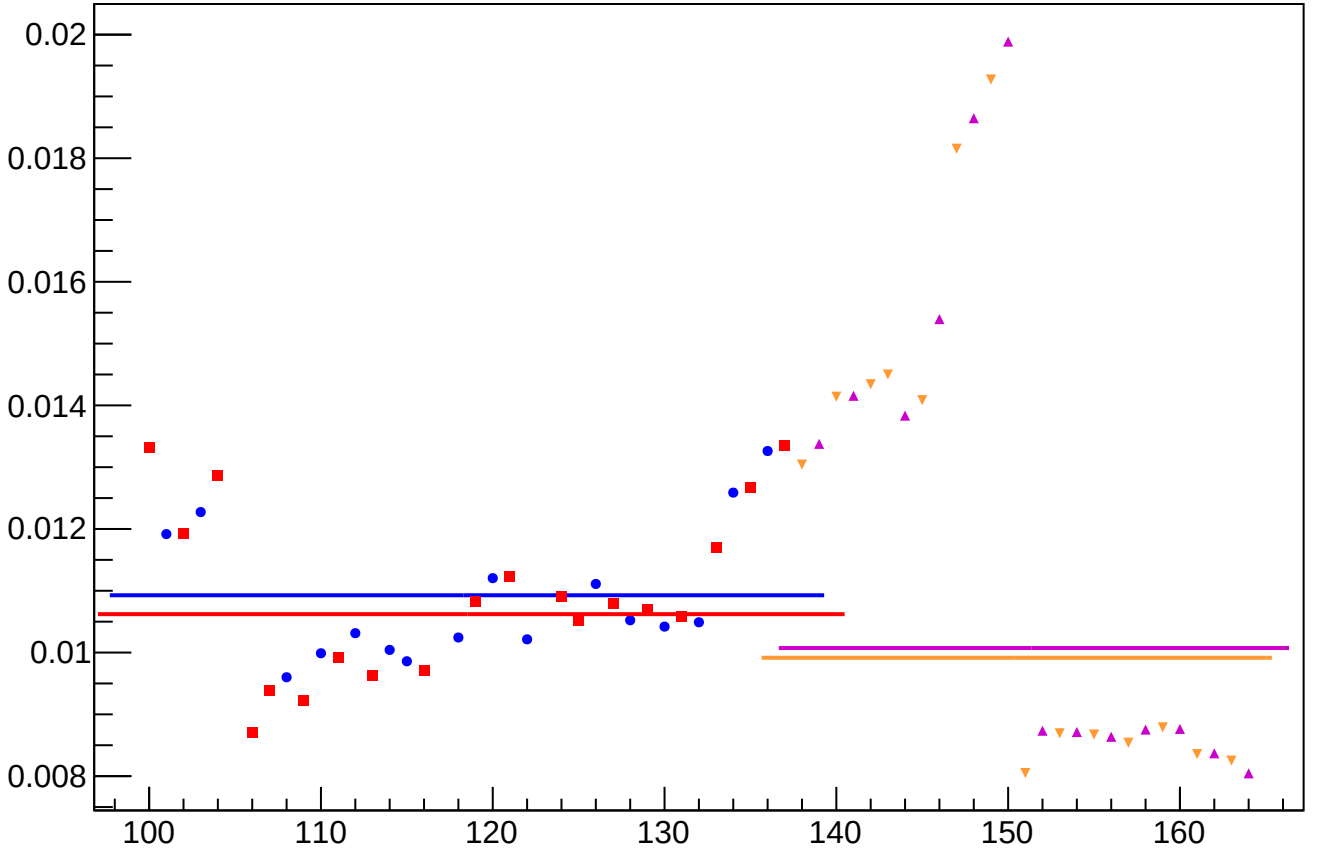
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.506+/-0.000 χ^2/NDF:197295356105.8/28

Out: -1.482+/-0.000 χ^2/NDF:207467253346.6/32

All: -1.494+/-0.000 χ^2/NDF: 404807221154.0

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1703368.6/13

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.010+/-0.000 χ^2/NDF:1729458.3/12

Left: 0.010+/-0.000 χ^2/NDF: 3435347.6/26

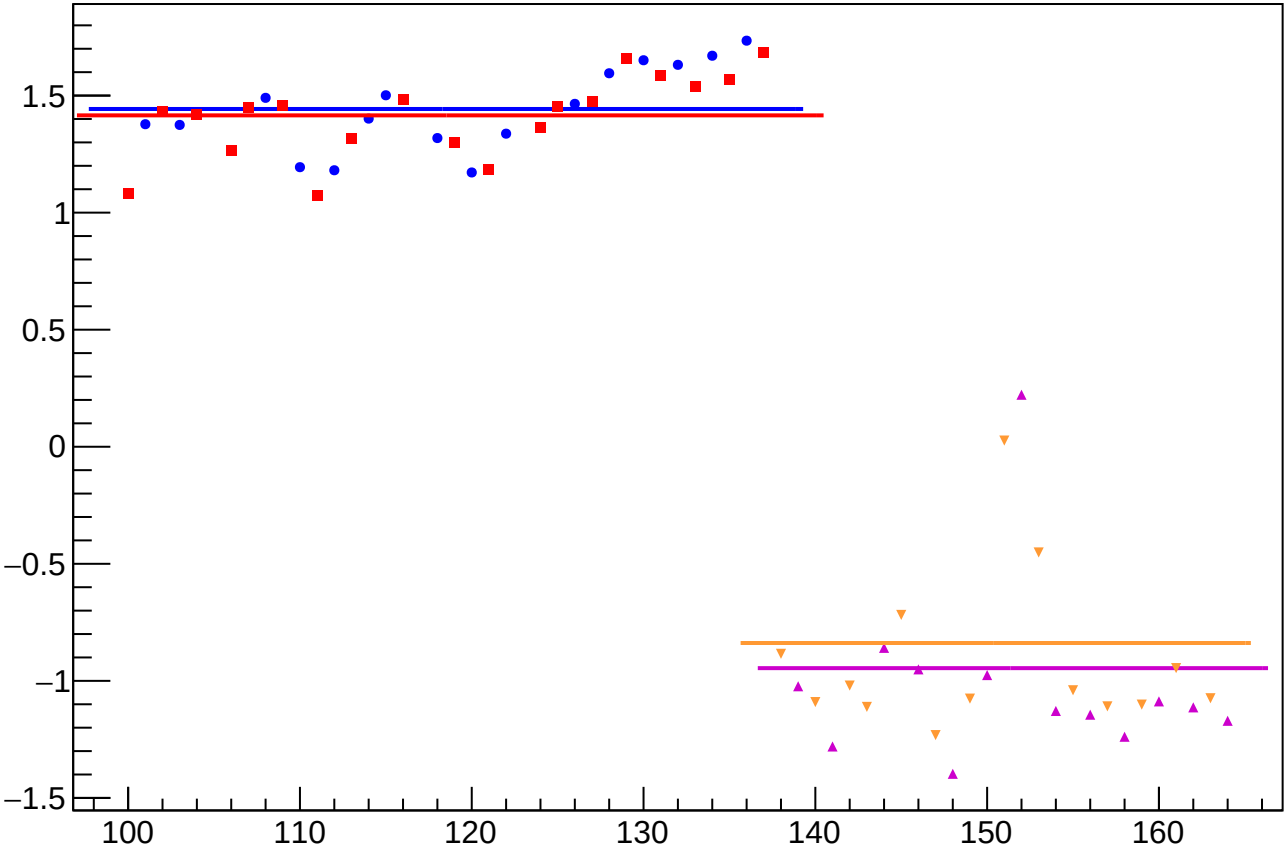
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:1920159.2/28

Out: 0.010+/-0.000 χ^2/NDF:1933860.5/32

All: 0.010+/-0.000 χ^2/NDF: 3861054.9/61

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.838+/-0.000 χ^2/NDF:27894461563.3/13

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -0.946+/-0.000 χ^2/NDF:39437336831.6/12

Left: -0.892+/-0.000 χ^2/NDF: 68380641556.6/26

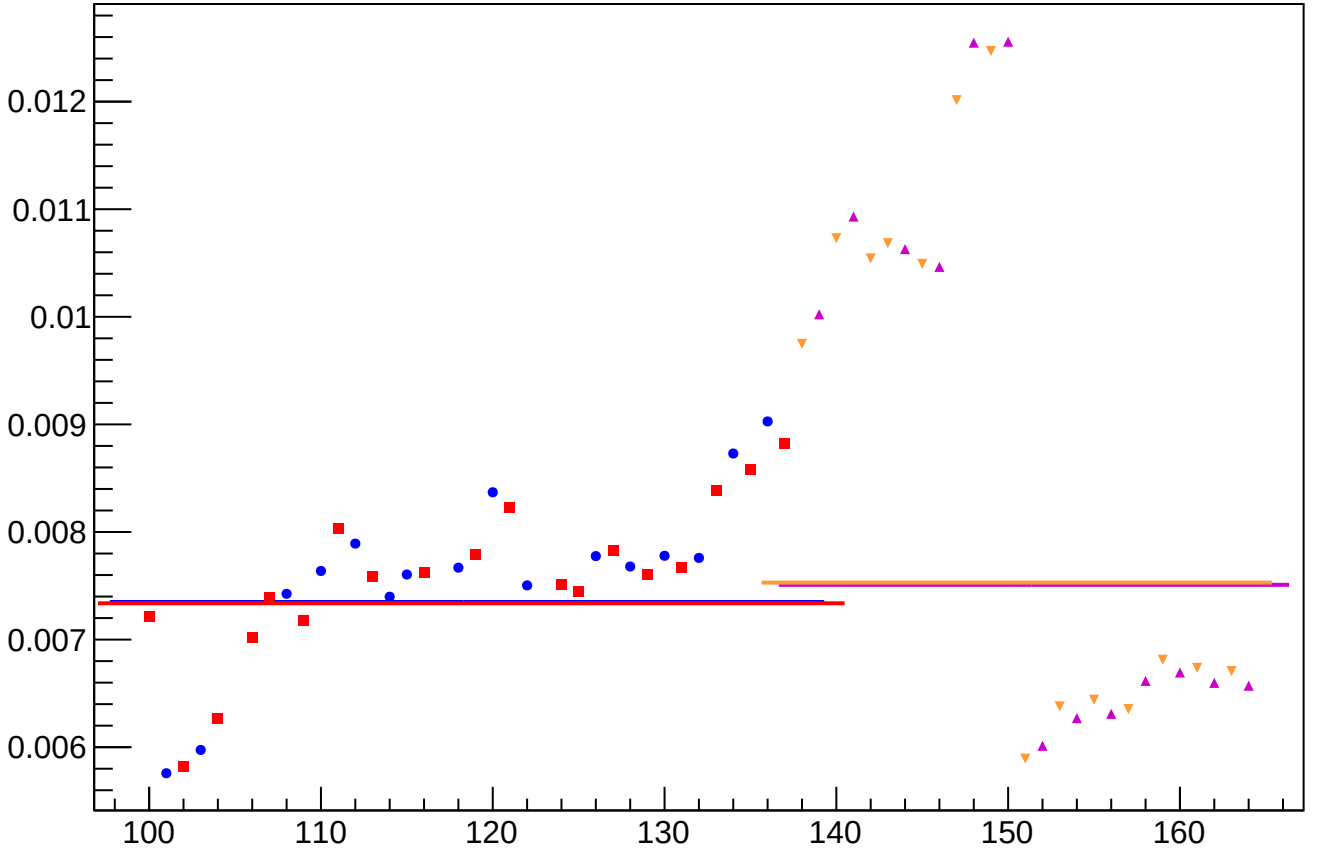
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.059+/-0.000 χ^2/NDF:475672051091.6/28

Out: 0.125+/-0.000 χ^2/NDF:428885837898.0/32

All: 0.092+/-0.000 χ^2/NDF: 905257212355.6

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:1412830.7/13

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1479554.4/12

Left: 0.008+/-0.000 χ^2/NDF: 2892461.9/26

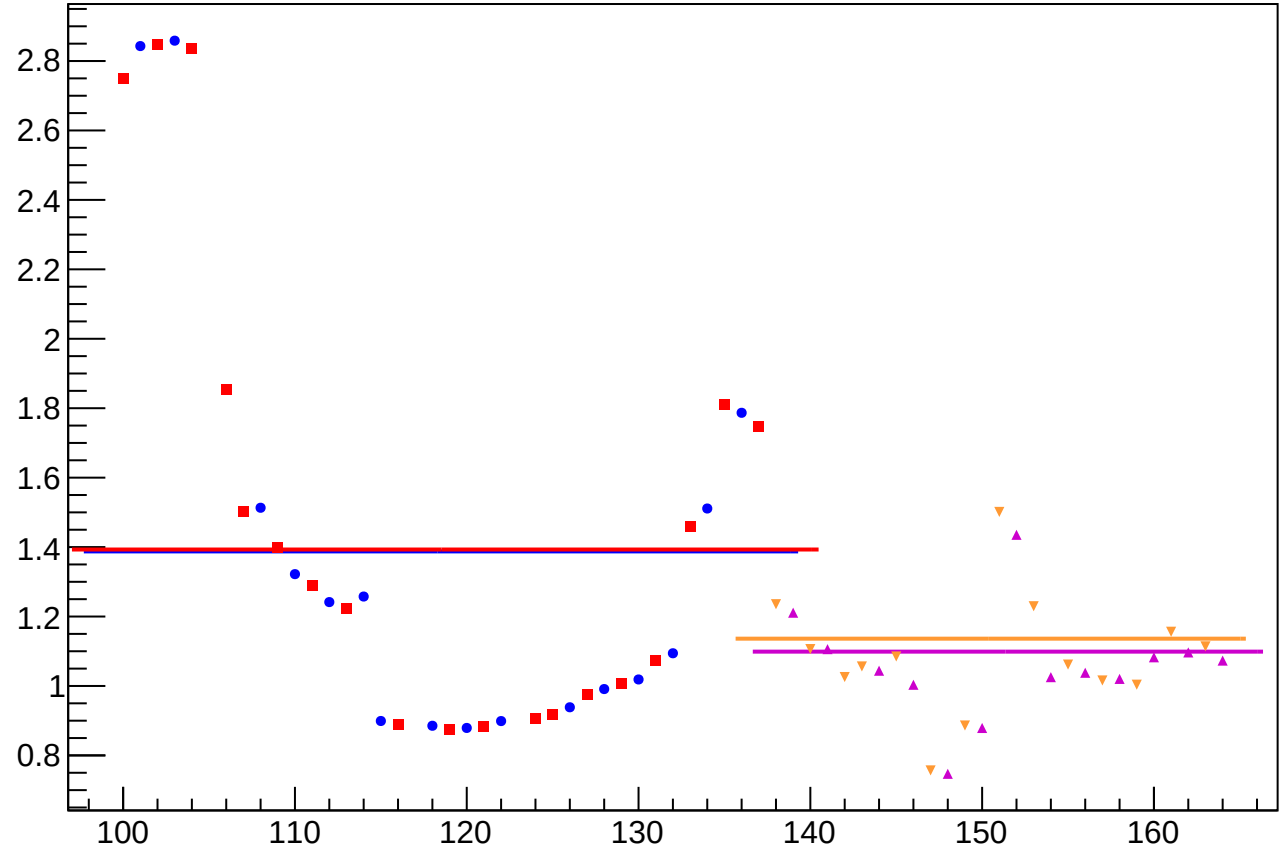
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1754286.0/28

Out: 0.007+/-0.000 χ^2/NDF:1613989.2/32

All: 0.007+/-0.000 χ^2/NDF: 3368285.0/61

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.136+/-0.000 χ^2/NDF:5318695407.9/13

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.099+/-0.000 χ^2/NDF:4154223198.6/12

Left: 1.118+/-0.000 χ^2/NDF: 9605877648.1/26

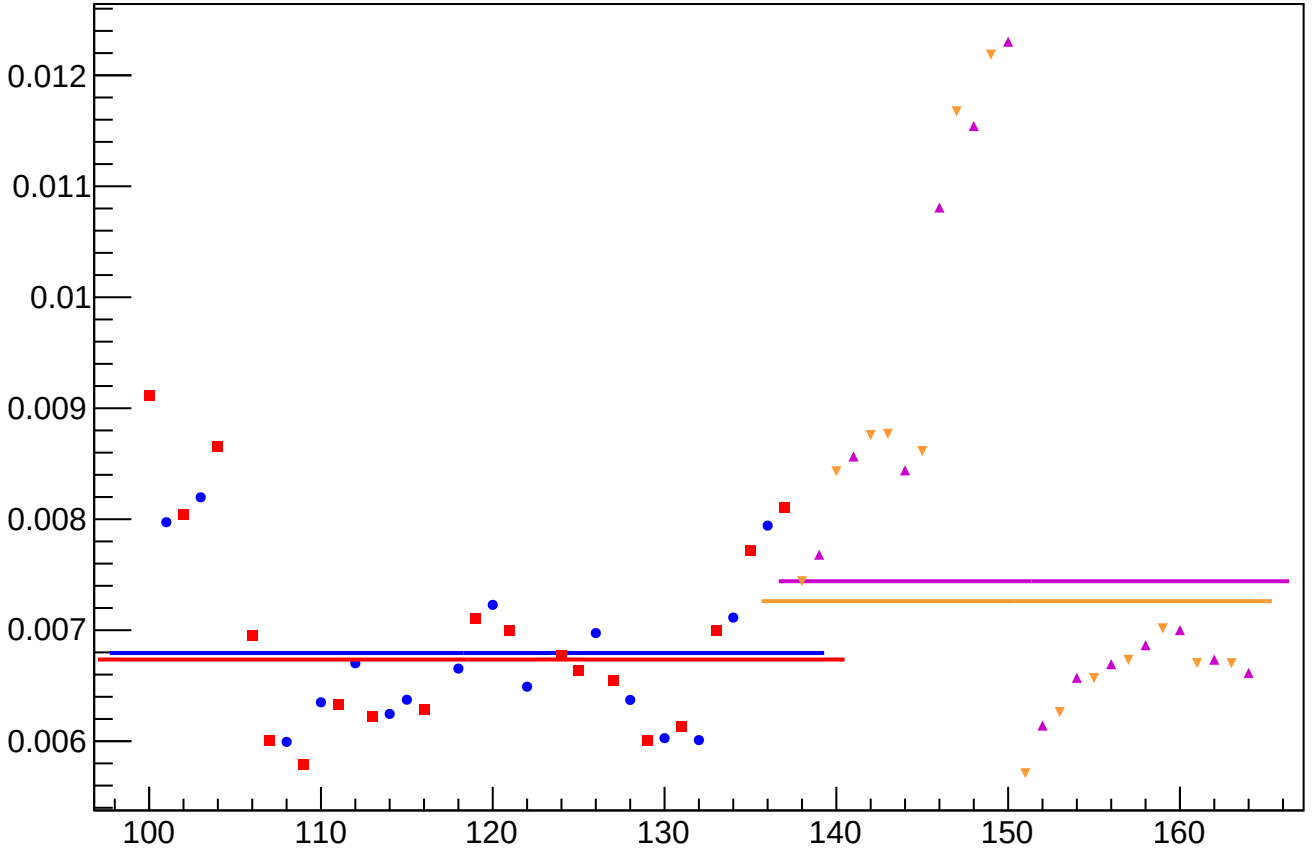
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.230+/-0.000 χ^2/NDF:69759572137.7/28

Out: 1.252+/-0.000 χ^2/NDF:66545864971.4/32

All: 1.242+/-0.000 χ^2/NDF: 136390384280.9

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:810571.6/13

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:850646.8/12

Left: 0.007+/-0.000 χ^2/NDF: 1667361.3/26

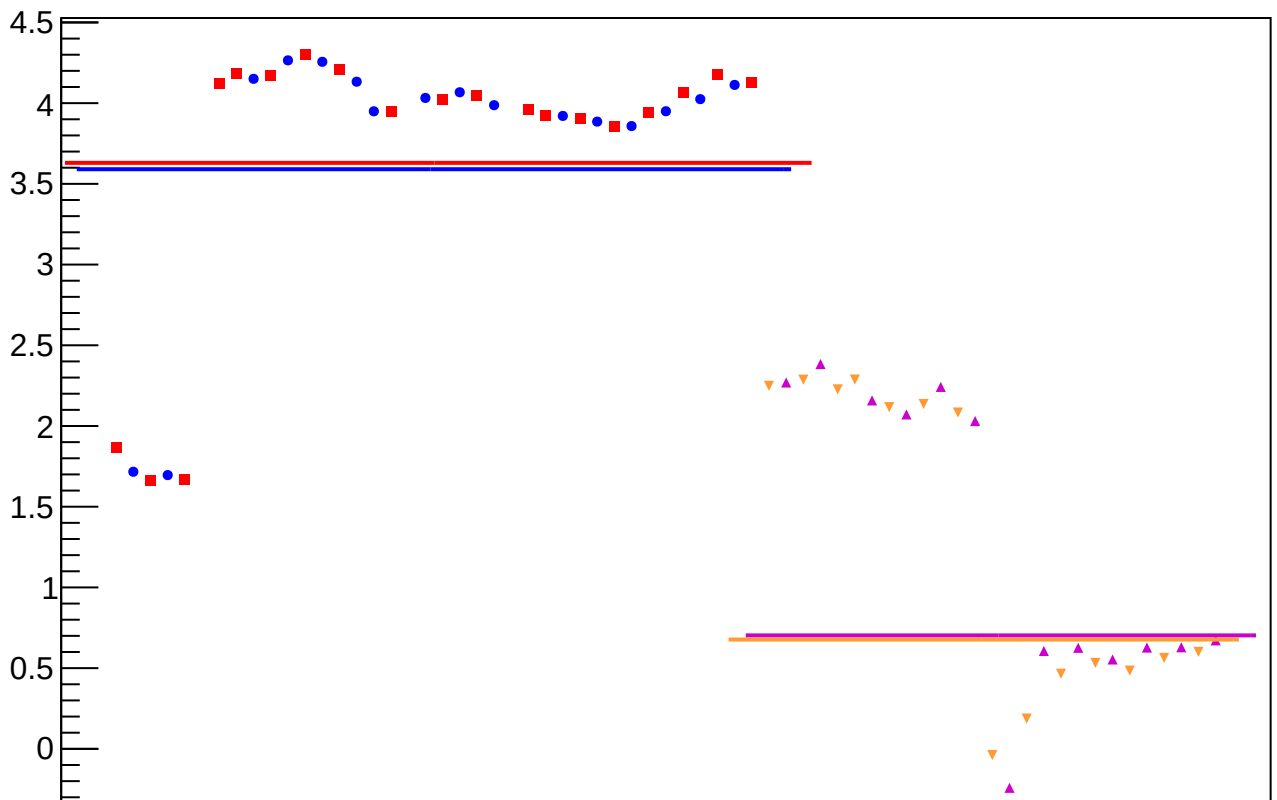
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1085291.9/28

Out: 0.007+/-0.000 χ^2/NDF:1058236.9/32

All: 0.007+/-0.000 χ^2/NDF: 2148804.7/61

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.677+/-0.000 χ^2/NDF:243945268490.3/13

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.703+/-0.000 χ^2/NDF:241830909833.7/12

Left: 0.690+/-0.000 χ^2/NDF: 485946985570.4/26

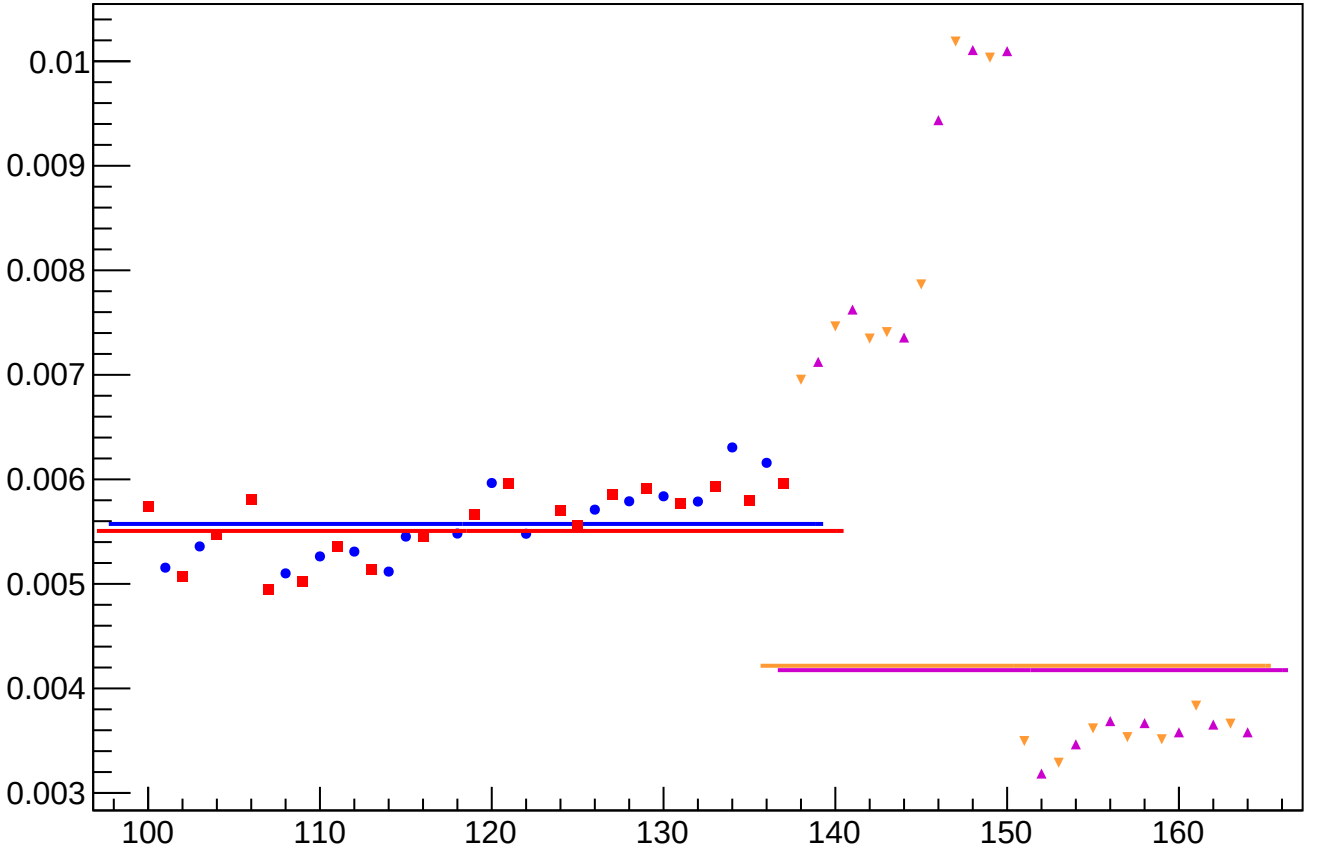
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.592+/-0.000 χ^2/NDF:1775714341047.7/28

Out: 1.613+/-0.000 χ^2/NDF:1890964094701.0/32

All: 1.602+/-0.000 χ^2/NDF: 3666843213728.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2742884.4/13

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2946113.7/12

Left: 0.004+/-0.000 χ^2/NDF: 5689916.2/26

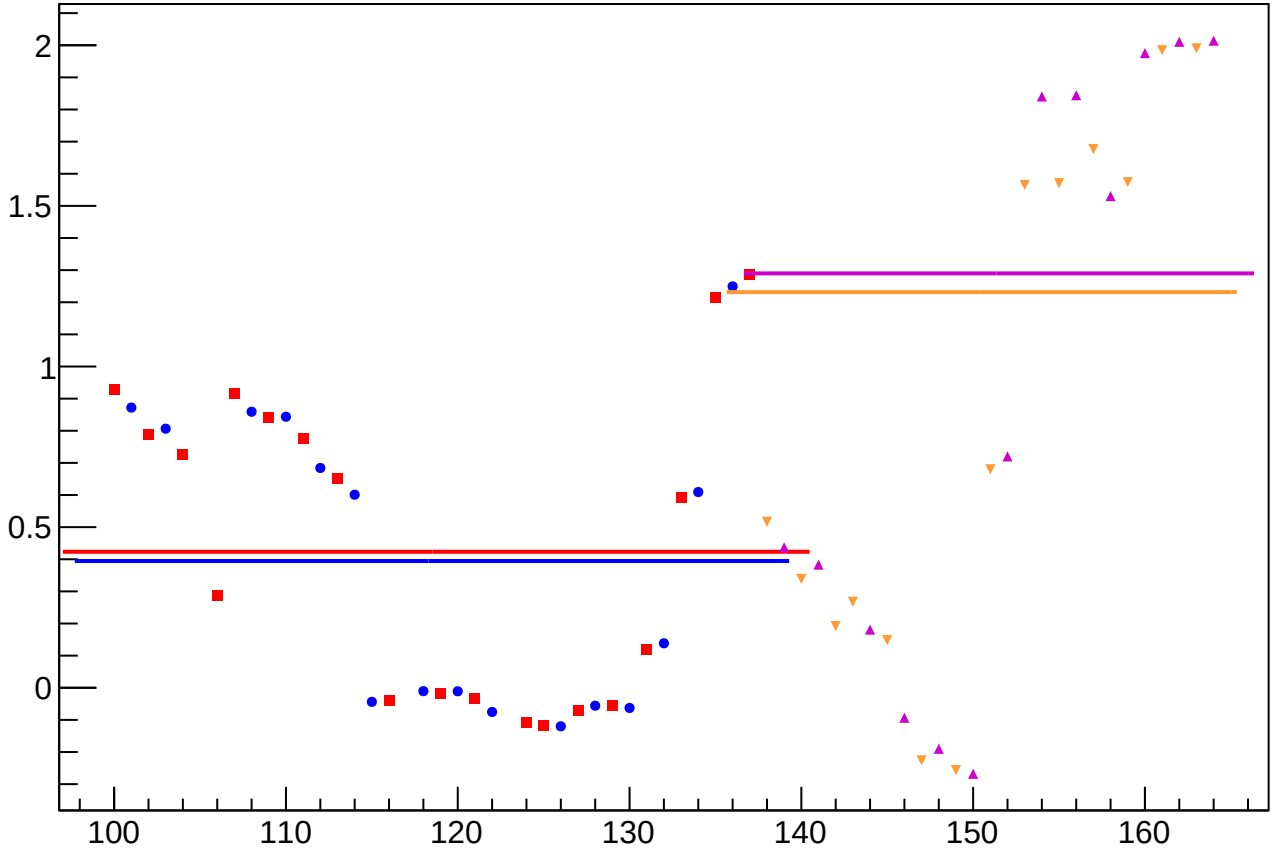
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.005+/-0.000 χ^2/NDF:3630019.9/28

Out: 0.005+/-0.000 χ^2/NDF:3347571.4/32

All: 0.005+/-0.000 χ^2/NDF: 6977896.2/61

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.232+/-0.000 χ^2/NDF:41897971117.3/13

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.290+/-0.000 χ^2/NDF:49972445397.2/12

Left: 1.261+/-0.000 χ^2/NDF: 92004993616.3/26

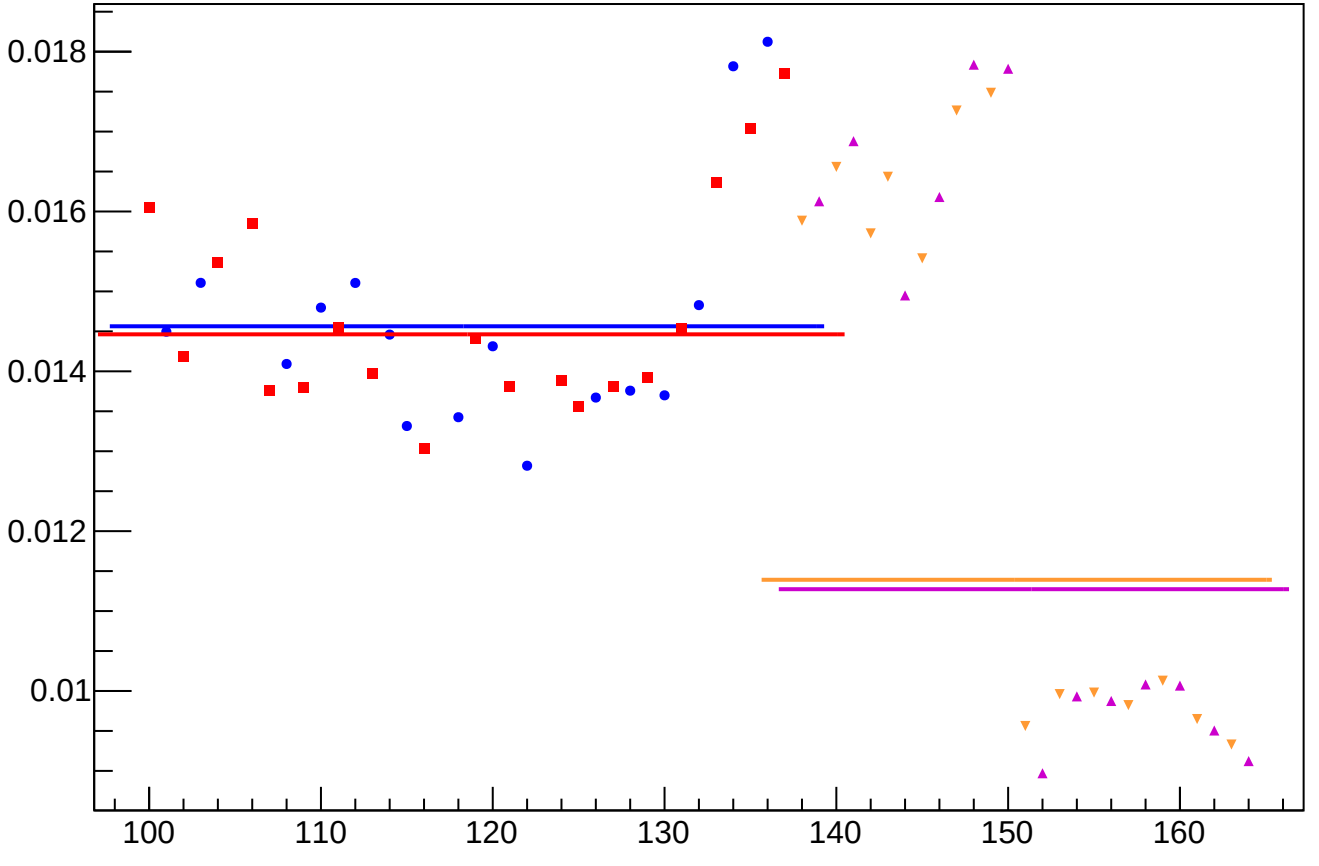
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.025+/-0.000 χ^2/NDF:76263034675.7/28

Out: 0.986+/-0.000 χ^2/NDF:64638263076.8/32

All: 1.005+/-0.000 χ^2/NDF: 140987687311.6

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:1324878.6/13

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1421072.6/12

Left: 0.011+/-0.000 χ^2/NDF: 2747057.9/26

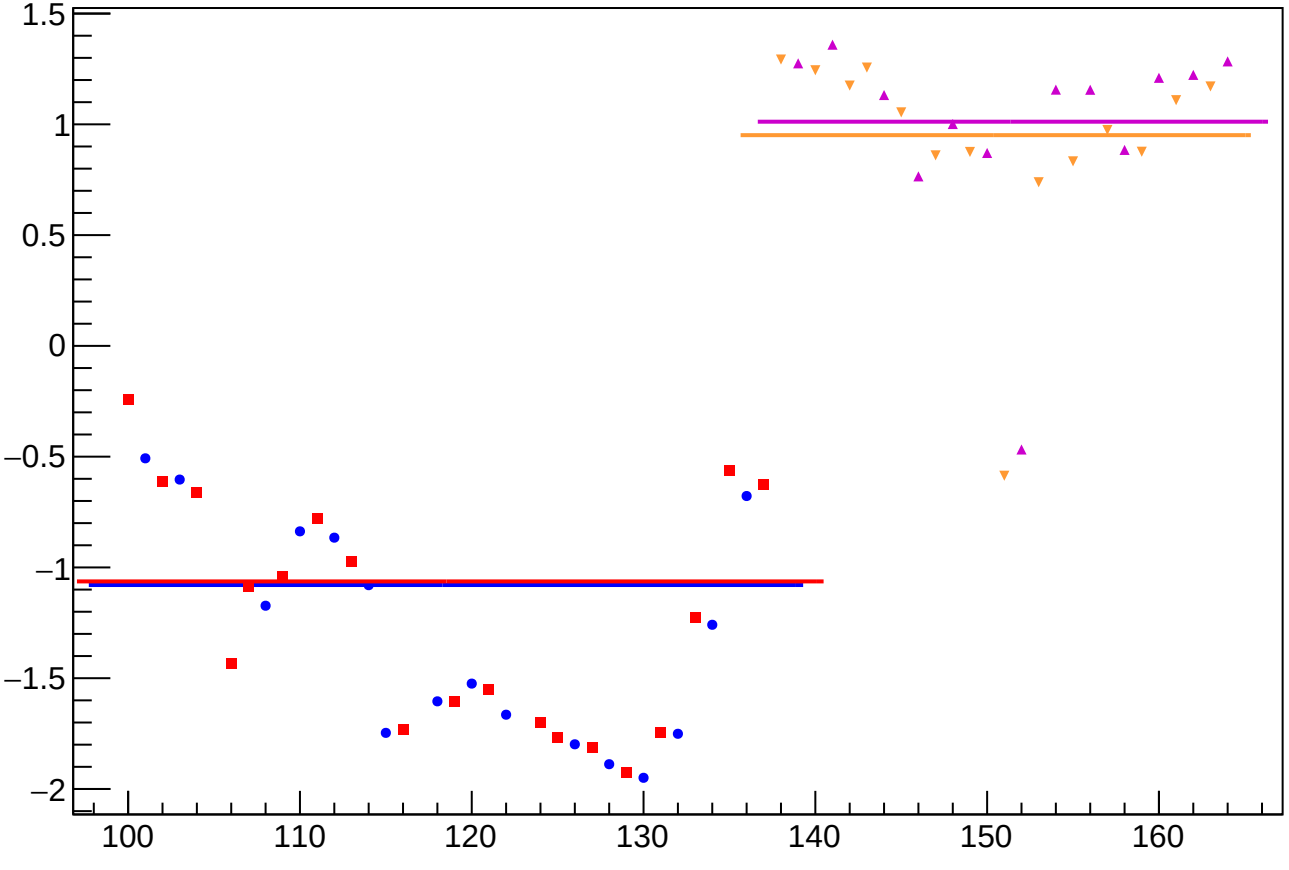
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.012+/-0.000 χ^2/NDF:2064064.2/28

Out: 0.012+/-0.000 χ^2/NDF:1859475.1/32

All: 0.012+/-0.000 χ^2/NDF: 3924233.0/61

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.951+/-0.000 χ^2/NDF:104326276717.9/13

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.012+/-0.000 χ^2/NDF:123553112555.8/12

Left: 0.981+/-0.000 χ^2/NDF: 229259343157.5/26

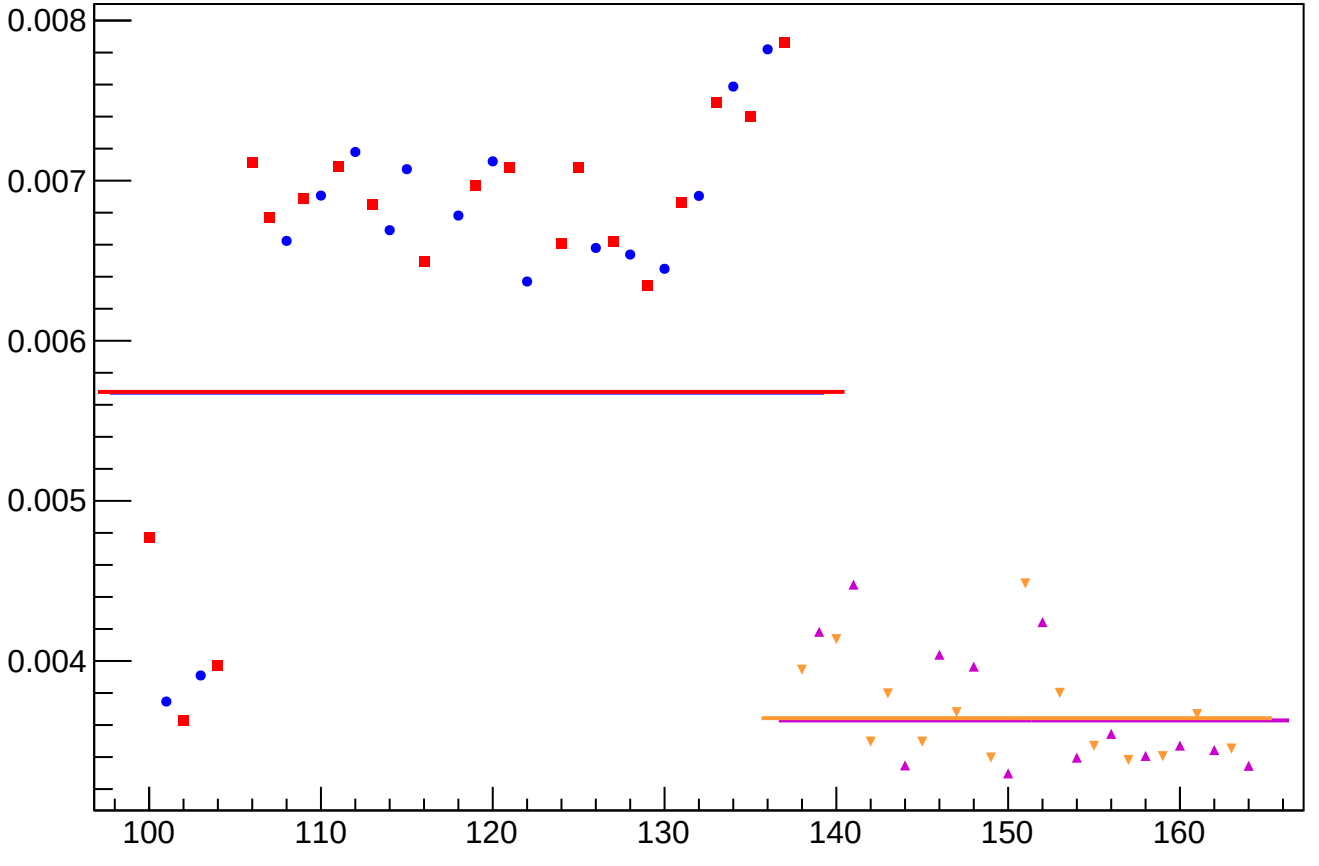
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.572+/-0.000 χ^2/NDF:865655407297.5/28

Out: 0.530+/-0.000 χ^2/NDF:795318137340.6/32

All: 0.550+/-0.000 χ^2/NDF: 1661805457953.

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:120715.8/13

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:202917.5/12

Left: 0.004+/-0.000 χ^2/NDF: 323781.7/26

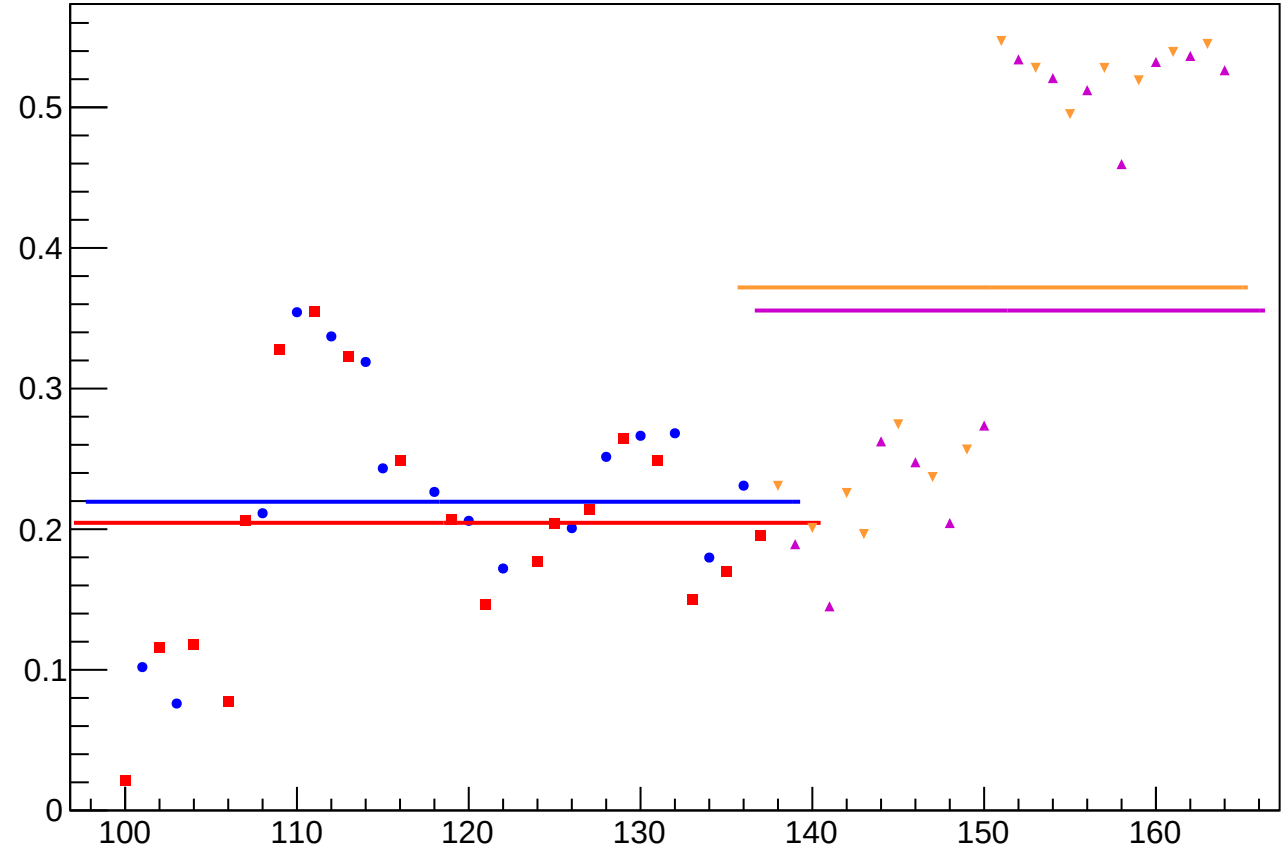
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2455438.3/28

Out: 0.004+/-0.000 χ^2/NDF:2413414.2/32

All: 0.004+/-0.000 χ^2/NDF: 4868937.1/61

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.372+/-0.000 χ^2/NDF:114228466055.3/13

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.356+/-0.000 χ^2/NDF:106531752058.8/12

Left: 0.364+/-0.000 χ^2/NDF: 221405035925.0/26

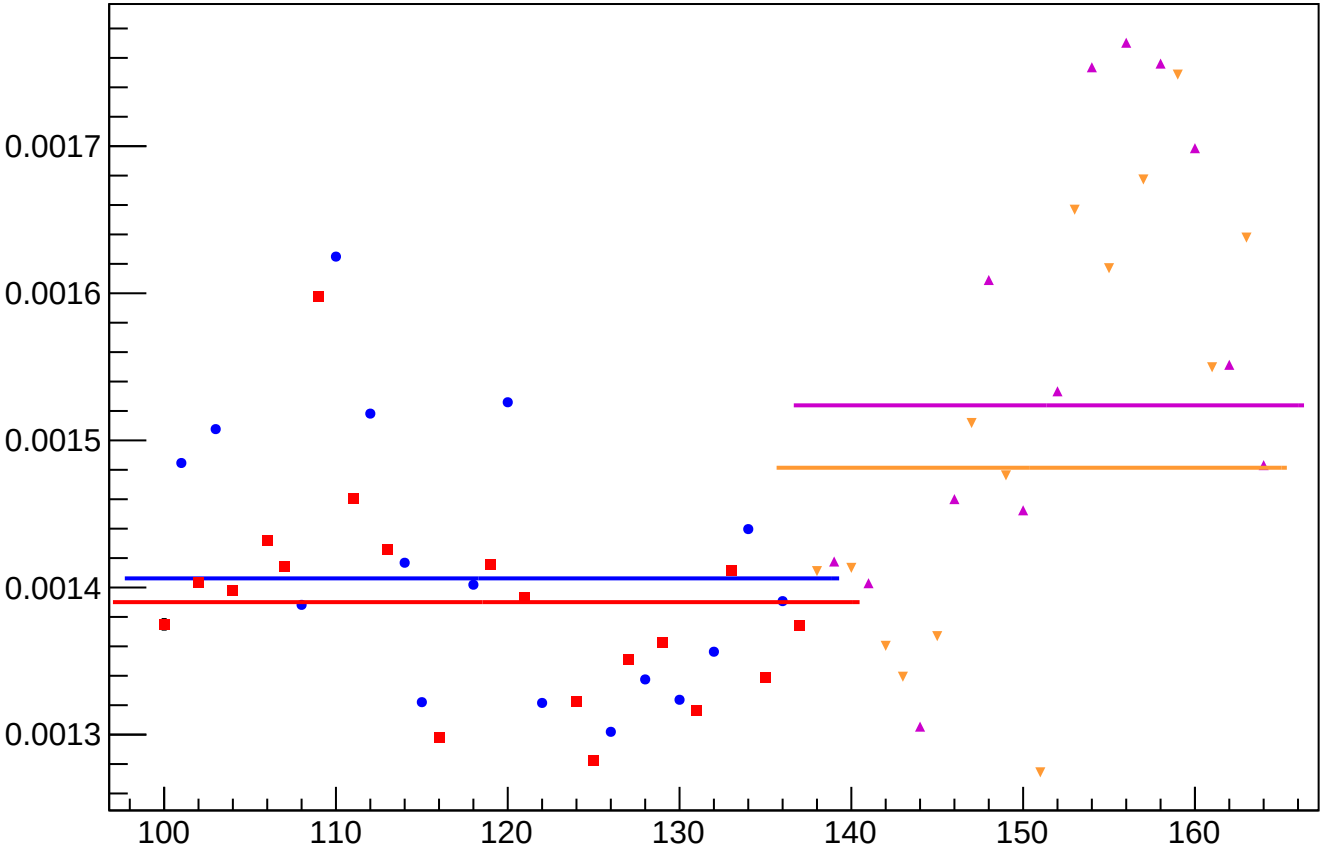
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.297+/-0.000 χ^2/NDF:160014270876.3/28

Out: 0.300+/-0.000 χ^2/NDF:196978080424.0/32

All: 0.298+/-0.000 χ^2/NDF: 357034089046.5

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:199403.0/13

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:194466.4/12

Left: 0.002+/-0.000 χ^2/NDF: 402472.9/26

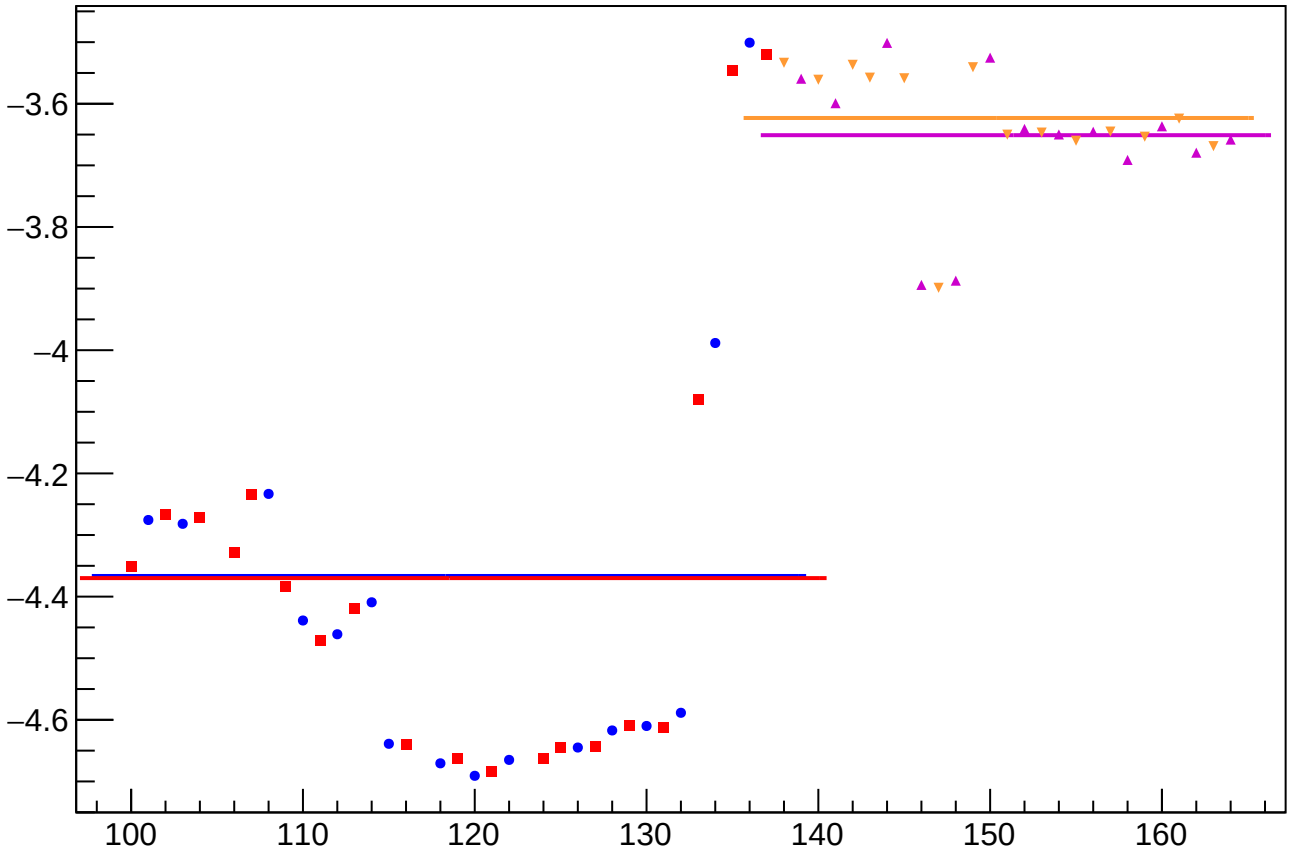
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:297664.5/28

Out: 0.001+/-0.000 χ^2/NDF:270194.3/32

All: 0.001+/-0.000 χ^2/NDF: 575874.8/61

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.623+/-0.000 χ^2/NDF:20875122324.3/13

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.651+/-0.000 χ^2/NDF:33183406372.4/12

Left: -3.637+/-0.000 χ^2/NDF: 55300448887.1/26

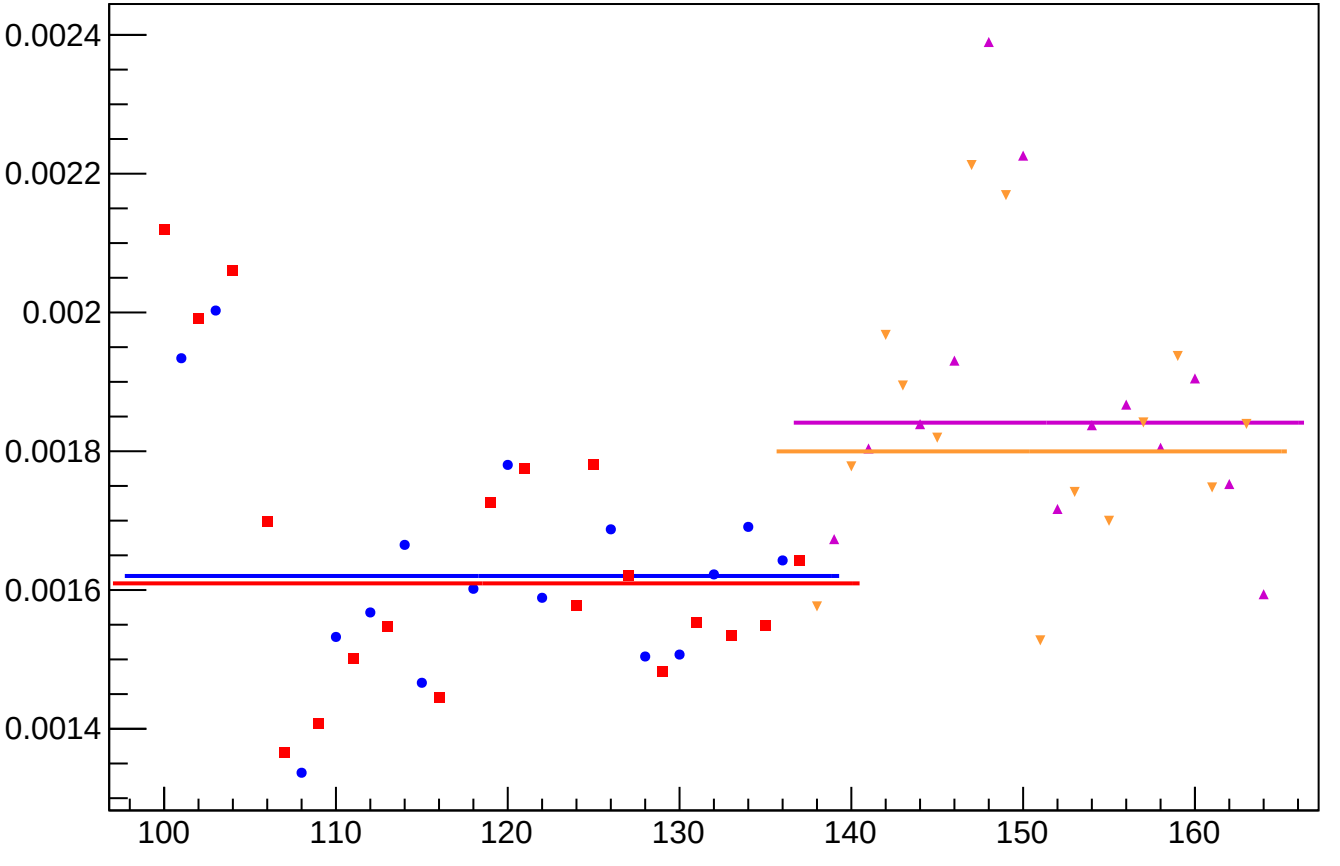
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.979+/-0.000 χ^2/NDF:1111413306714.4/28

Out: -3.963+/-0.000 χ^2/NDF:1152269053956.3/32

All: -3.971+/-0.000 χ^2/NDF: 2264481296521

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:211767.3/13

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:200840.7/12

Left: 0.002+/-0.000 χ^2/NDF: 418064.0/26

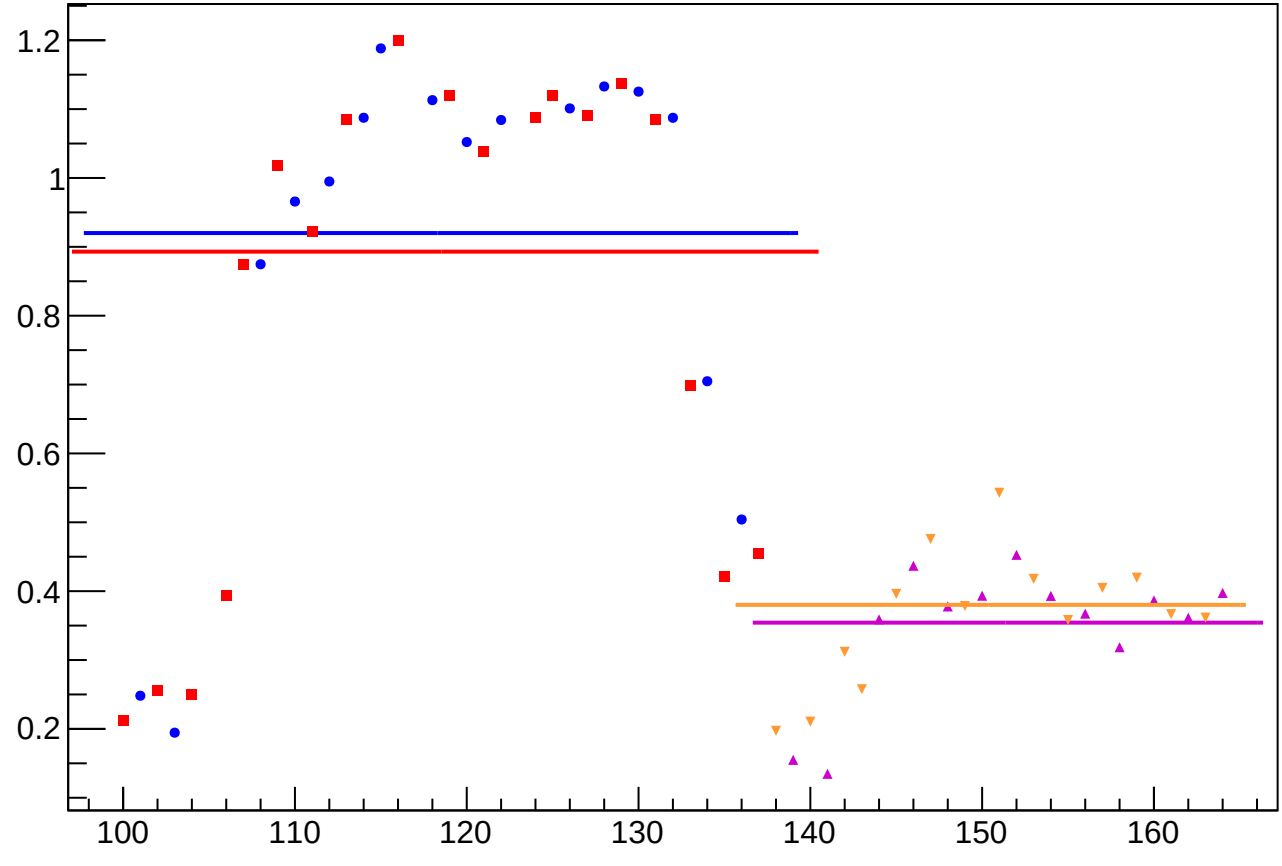
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:479336.6/28

Out: 0.002+/-0.000 χ^2/NDF:505076.0/32

All: 0.002+/-0.000 χ^2/NDF: 988541.3/61

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.380+/-0.000 χ^2/NDF:1675776703.1/13

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.354+/-0.000 χ^2/NDF:1417680459.3/12

Left: 0.368+/-0.000 χ^2/NDF: 3157870695.9/26

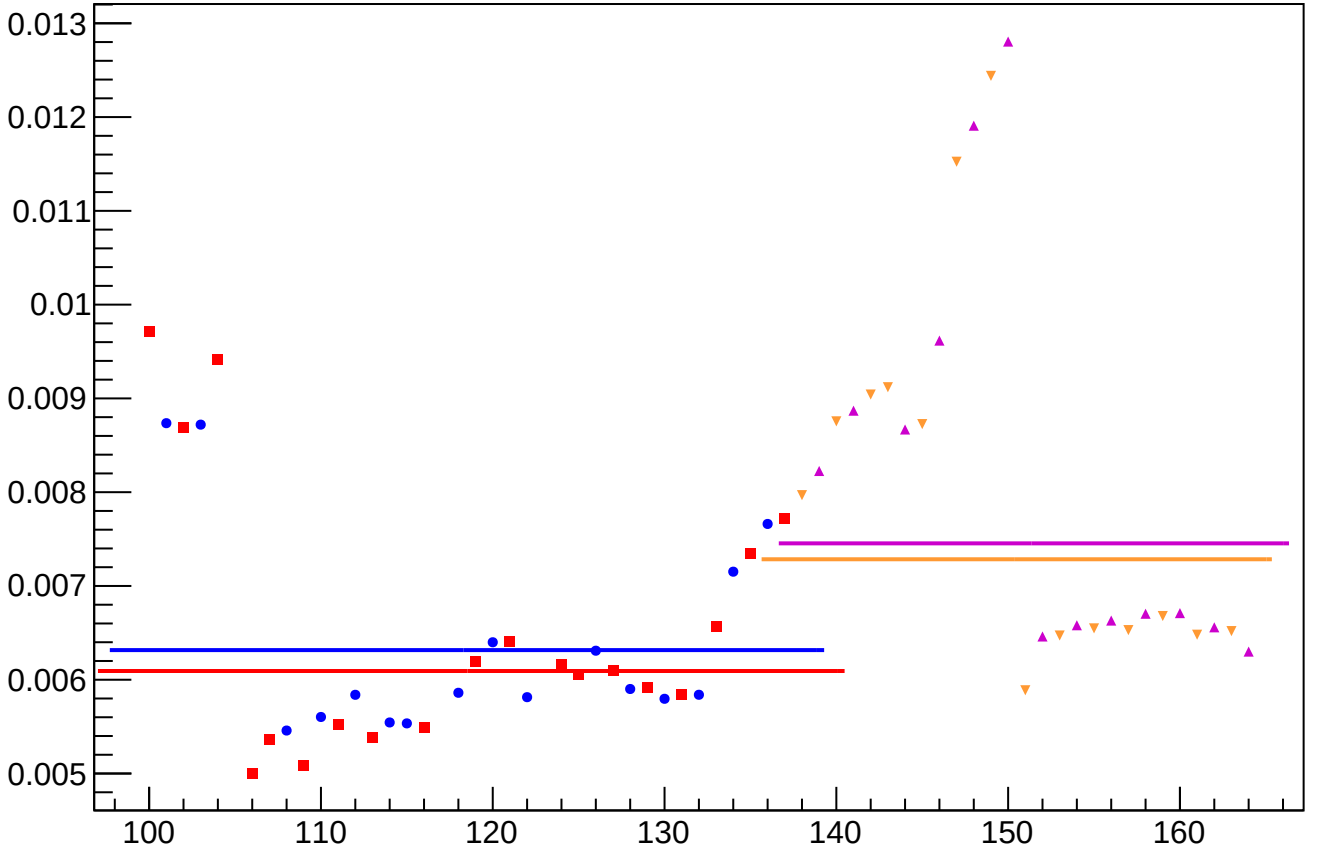
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.628+/-0.000 χ^2/NDF:45017342295.9/28

Out: 0.633+/-0.000 χ^2/NDF:45348971928.0/32

All: 0.631+/-0.000 χ^2/NDF: 90371513565.5/6

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:933503.5/13

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:937880.8/12

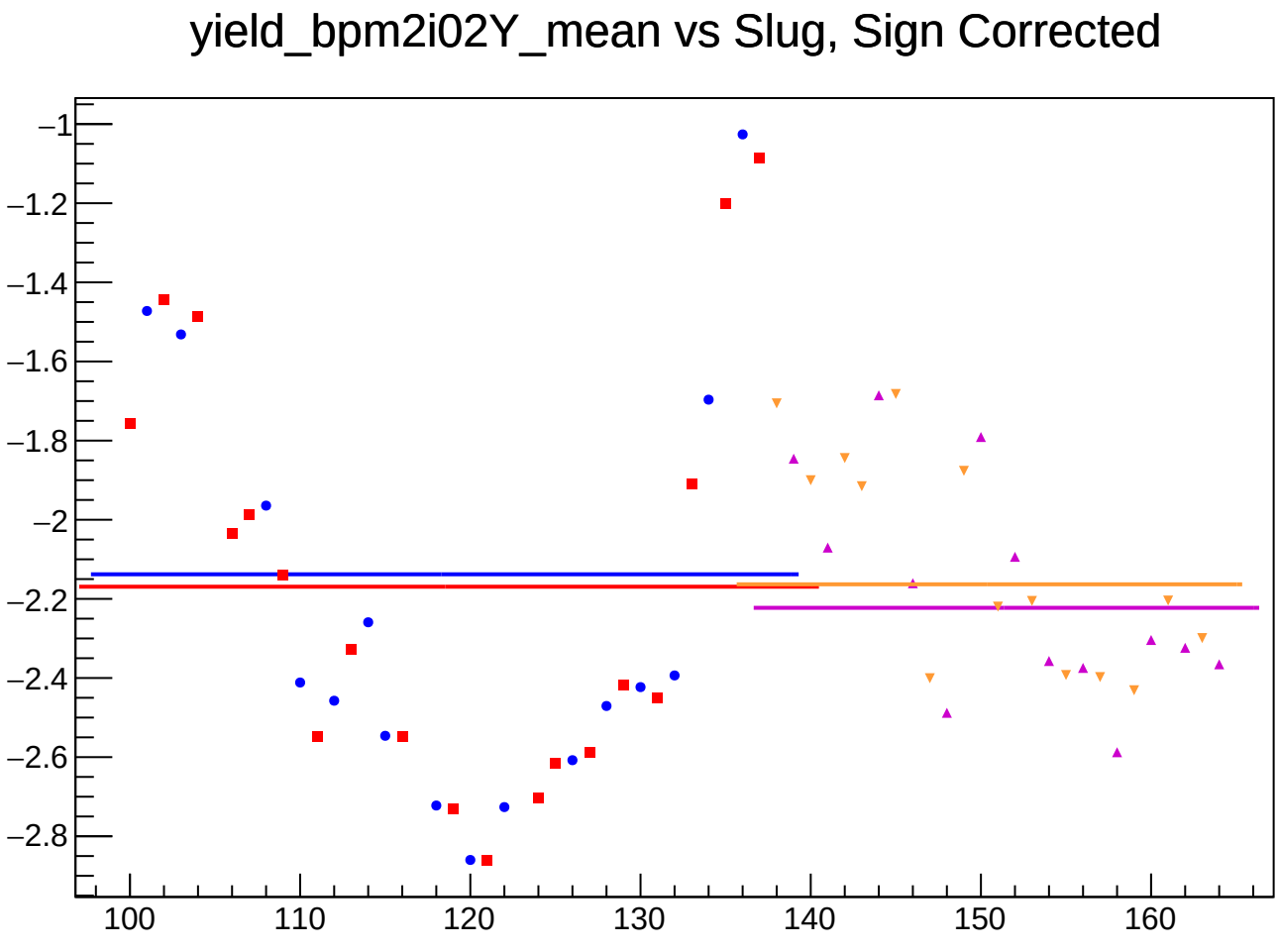
Left: 0.007+/-0.000 χ^2/NDF: 1876961.6/26

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

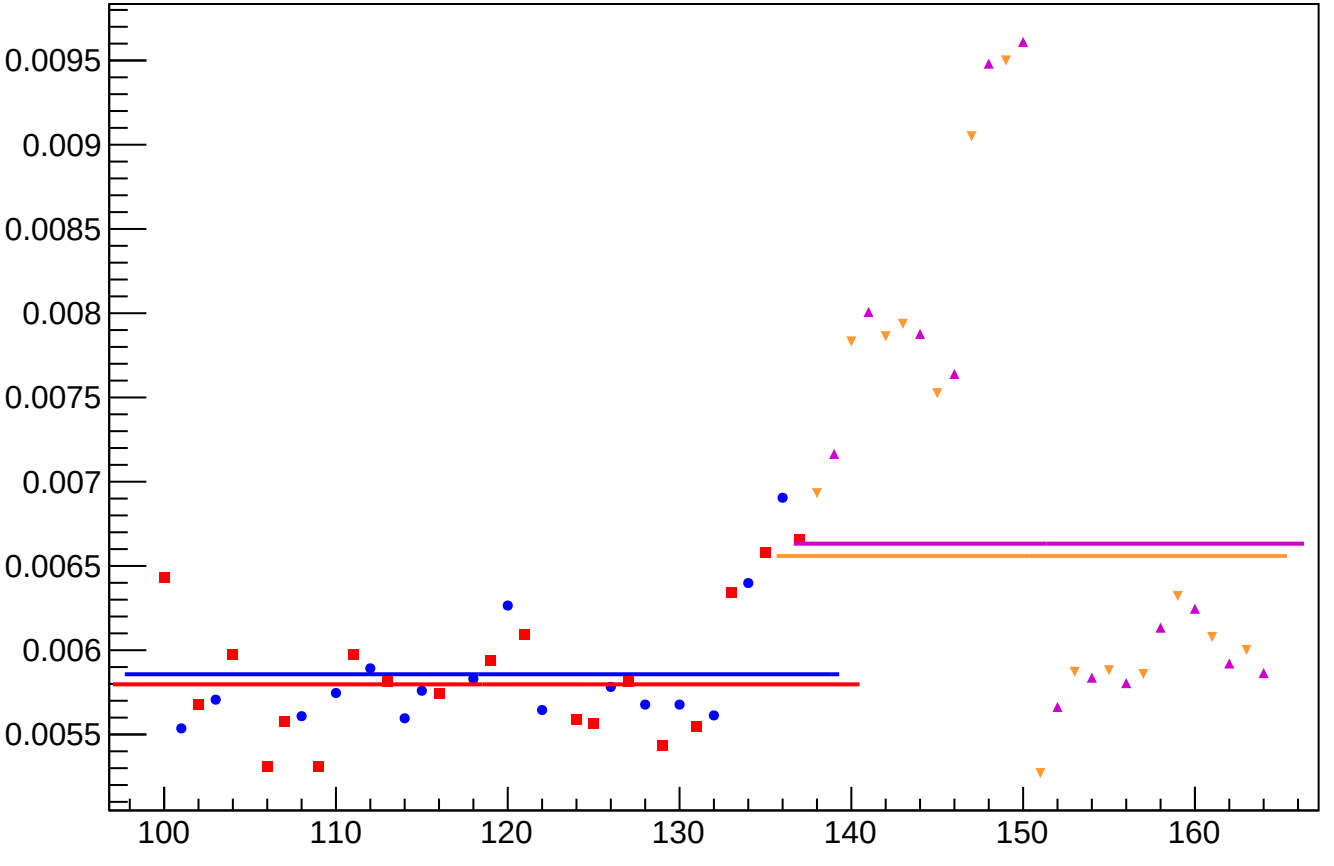
In: 0.007+/-0.000 χ^2/NDF:1508654.8/28

Out: 0.007+/-0.000 χ^2/NDF:1650336.0/32

All: 0.007+/-0.000 χ^2/NDF: 3175226.8/61


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
160
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.163+/-0.000 χ²/NDF:15195166535.3/13
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.223+/-0.000 χ²/NDF:14673301282.9/12
Left: -2.192+/-0.000 χ²/NDF: 30303001042.3/26
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.183+/-0.000 χ²/NDF:81144854948.0/28
Out: -2.166+/-0.000 χ²/NDF:72608696561.2/32
All: -2.174+/-0.000 χ²/NDF: 153821574399.4

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:628416.9/13

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:637744.3/12

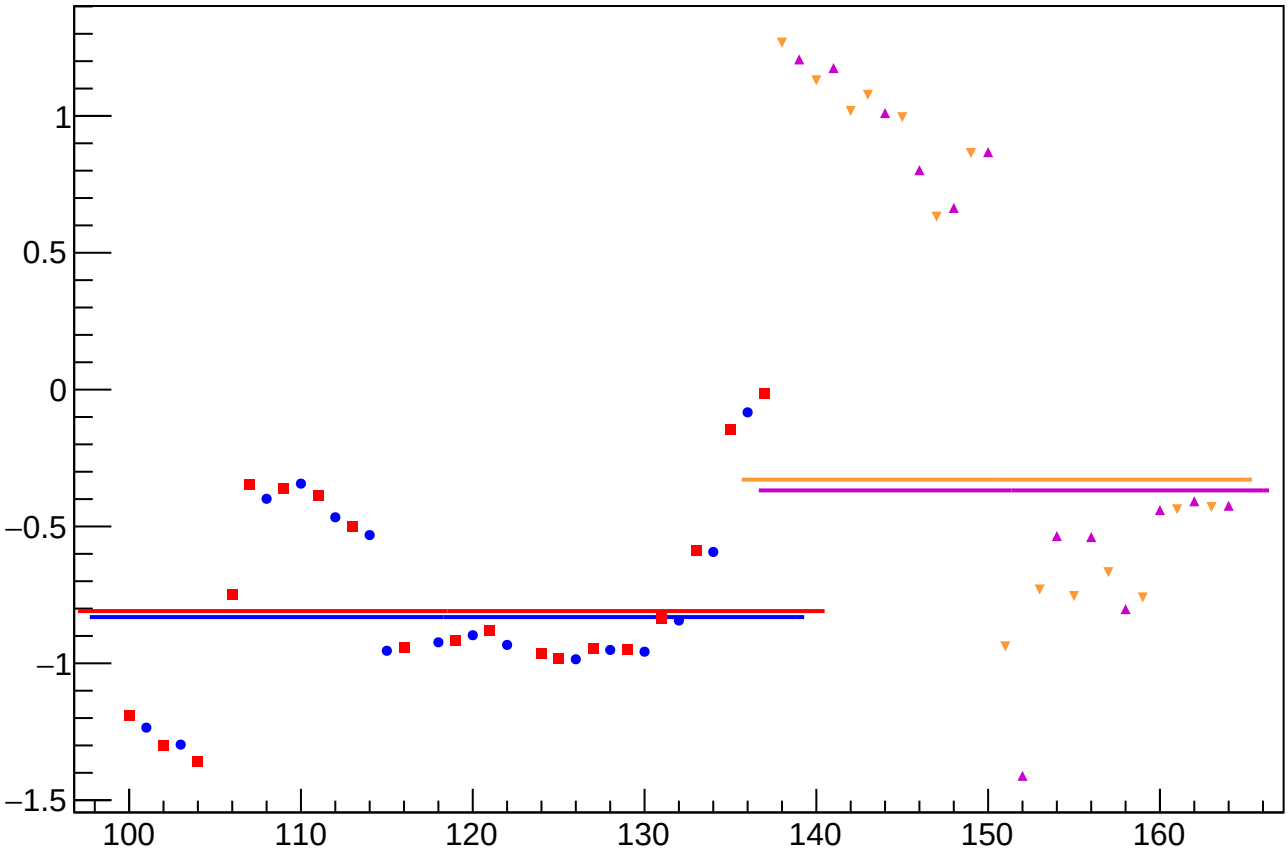
Left: 0.007+/-0.000 χ^2/NDF: 1267488.0/26

Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:834432.6/28

Out: 0.006+/-0.000 χ^2/NDF:821564.7/32

All: 0.006+/-0.000 χ^2/NDF: 1658244.0/61



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.329+/-0.000 χ^2/NDF:76936144376.2/13

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.368+/-0.000 χ^2/NDF:87046037060.6/12

Left: -0.349+/-0.000 χ^2/NDF: 164104791281.5/26

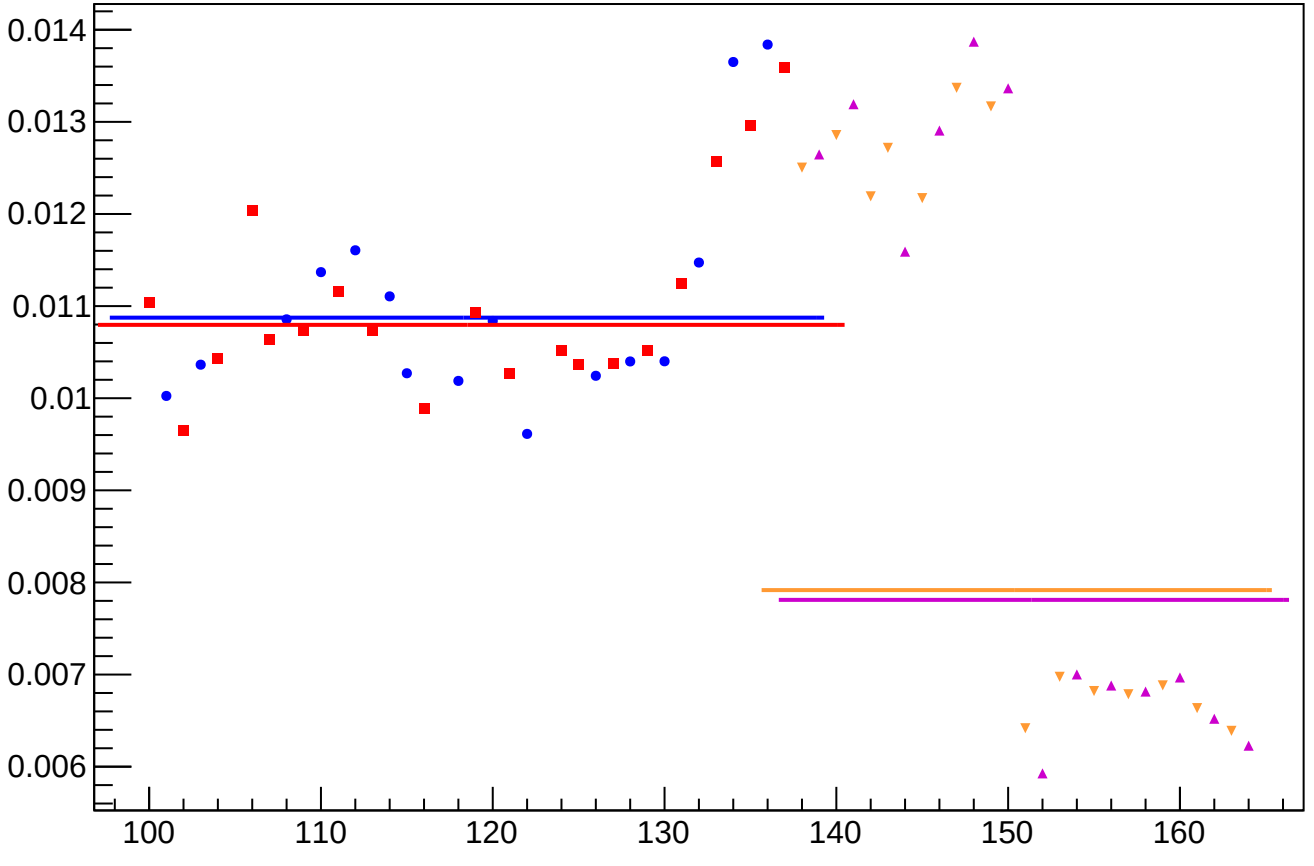
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.494+/-0.000 χ^2/NDF:103441468174.7/28

Out: -0.464+/-0.000 χ^2/NDF:95366409606.7/32

All: -0.479+/-0.000 χ^2/NDF: 198909148505.9

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:1897675.0/13

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:2025717.0/12

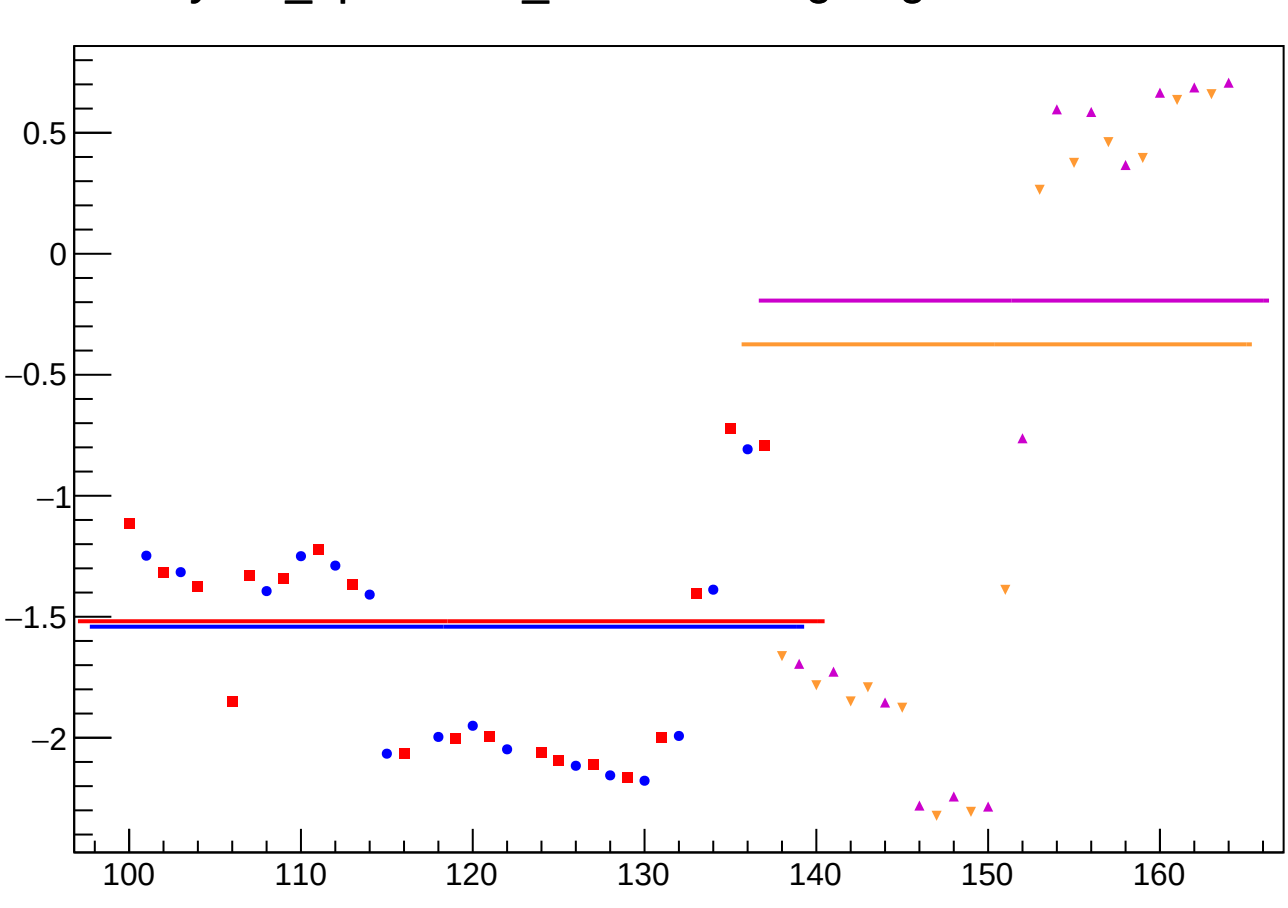
Left: 0.008+/-0.000 χ^2/NDF: 3925183.3/26

Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.009+/-0.000 χ^2/NDF:2996658.3/28

Out: 0.009+/-0.000 χ^2/NDF:2736456.7/32

All: 0.009+/-0.000 χ^2/NDF: 5734566.2/61



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.374+/-0.000 χ^2/NDF:1712350826648.8/13

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: -0.193+/-0.000 χ^2/NDF:1693524340978.4/12

Left: -0.285+/-0.000 χ^2/NDF: 3427578190339.4/26

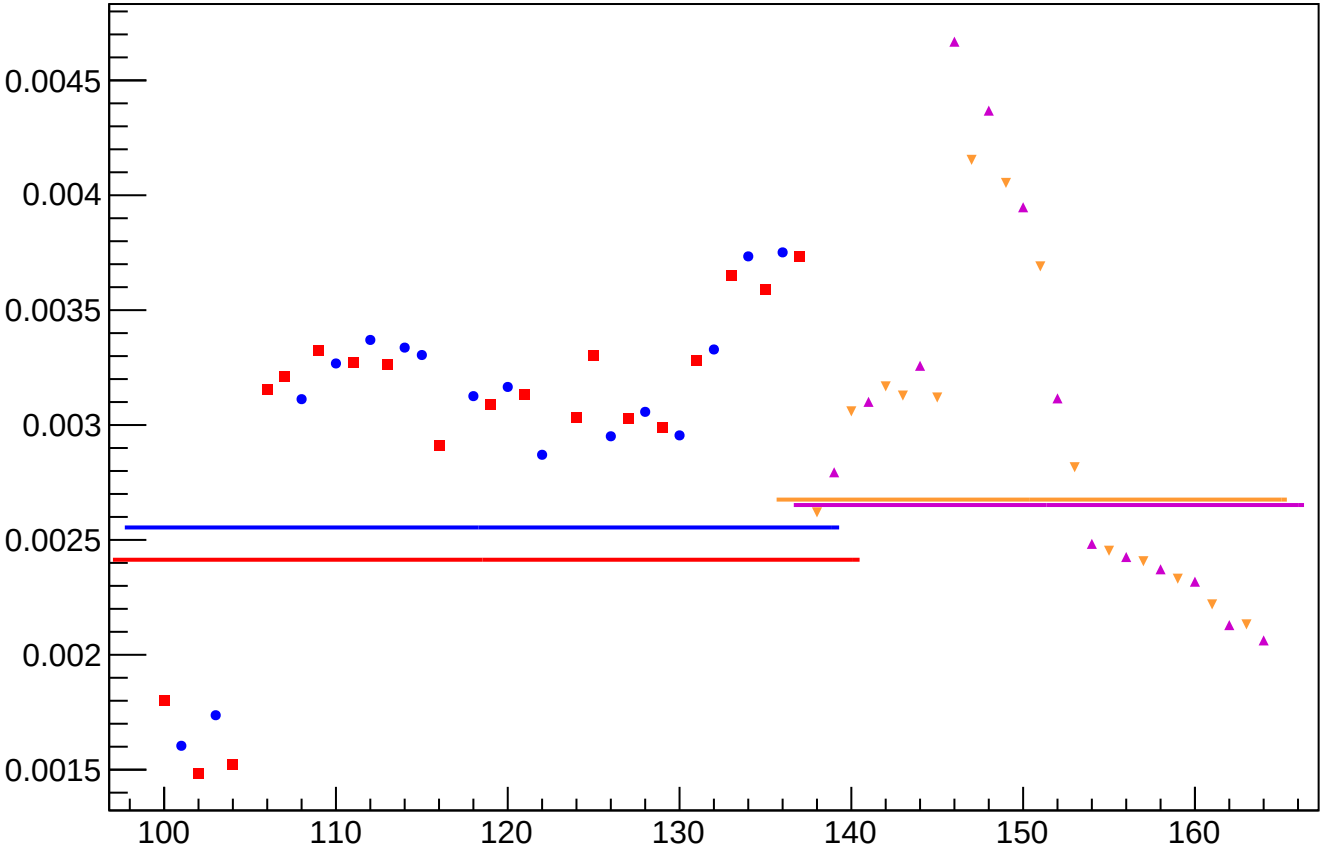
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.751+/-0.000 χ^2/NDF:2845062601681.6/28

Out: -0.868+/-0.000 χ^2/NDF:2614369033157.4/32

All: -0.811+/-0.000 χ^2/NDF: 5475321411308

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:748769.0/13

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:963823.9/12

Left: 0.003+/-0.000 χ^2/NDF: 1713336.1/26

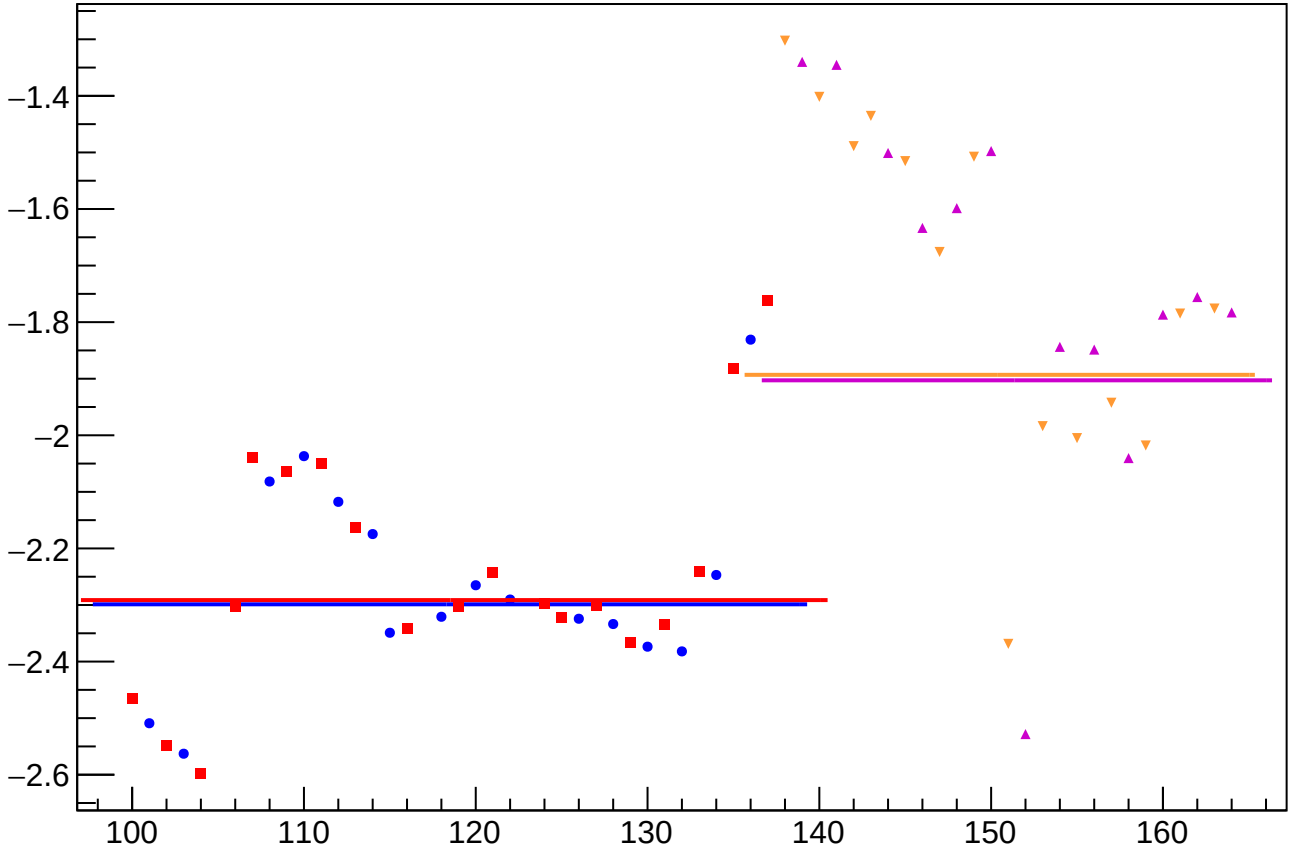
Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.003+/-0.000 χ^2/NDF:2146643.3/28

Out: 0.003+/-0.000 χ^2/NDF:2374816.3/32

All: 0.003+/-0.000 χ^2/NDF: 4526974.7/61

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.893+/-0.000 χ^2/NDF:26758272313.5/13

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.903+/-0.000 χ^2/NDF:43040246070.5/12

Left: -1.898+/-0.000 χ^2/NDF: 69818196640.4/26

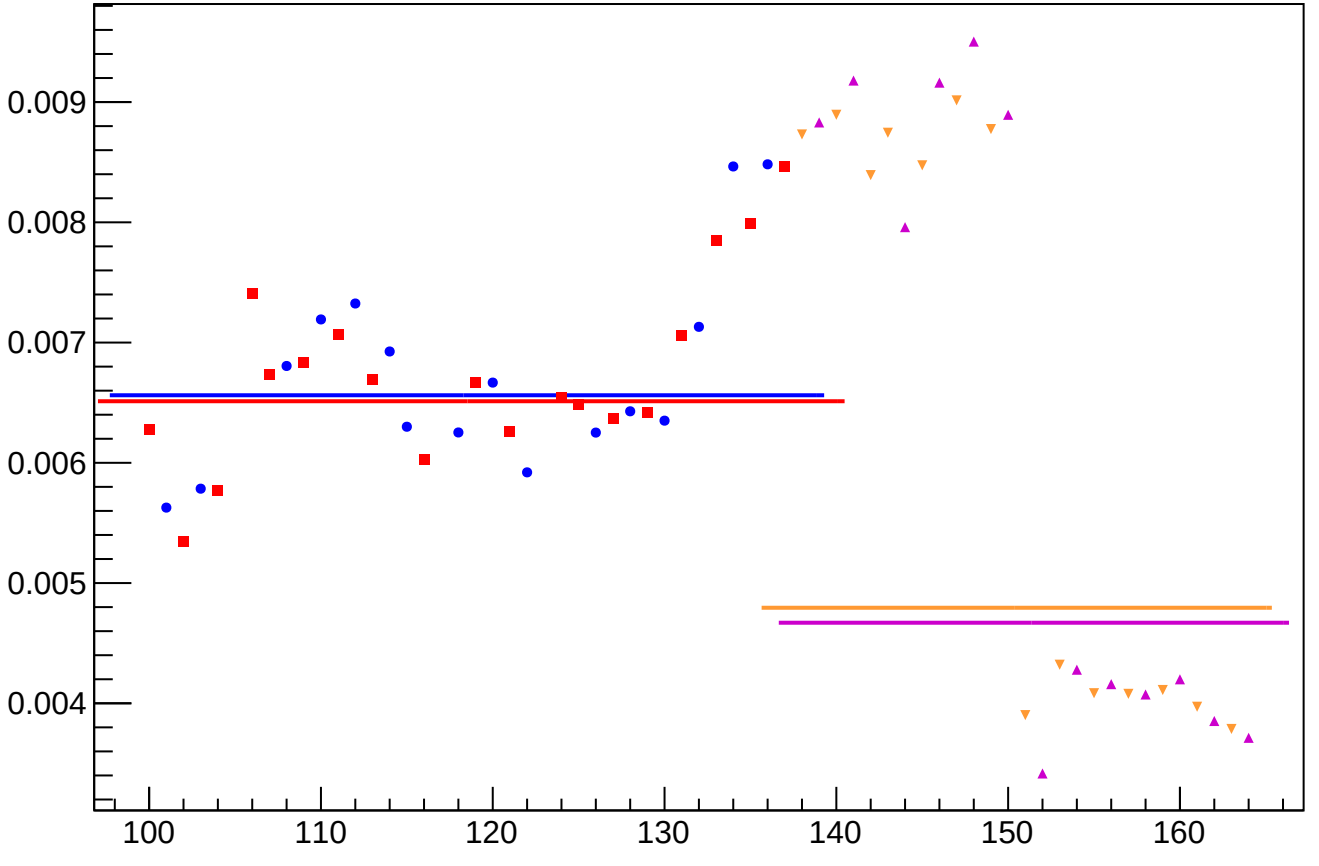
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -2.012+/-0.000 χ^2/NDF:67408616626.0/28

Out: -2.008+/-0.000 χ^2/NDF:52469637984.8/32

All: -2.010+/-0.000 χ^2/NDF: 119883072532.6

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:2520129.0/13

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.005+/-0.000 χ^2/NDF:2728981.8/12

Left: 0.005+/-0.000 χ^2/NDF: 5255574.2/26

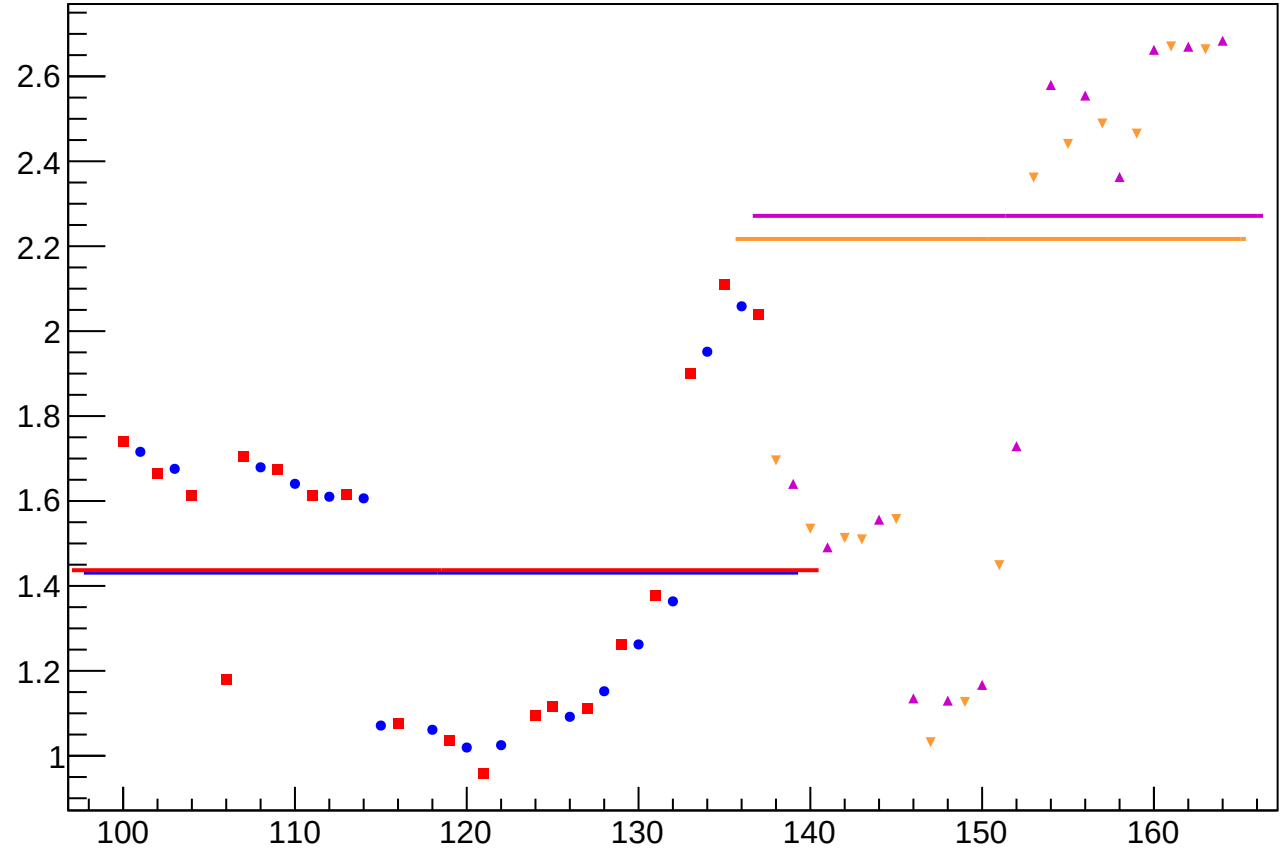
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:3783611.2/28

Out: 0.005+/-0.000 χ^2/NDF:3407536.0/32

All: 0.005+/-0.000 χ^2/NDF: 7196732.2/61

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.217+/-0.000 χ^2/NDF:182305515490.8/13

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.271+/-0.000 χ^2/NDF:186220942286.5/12

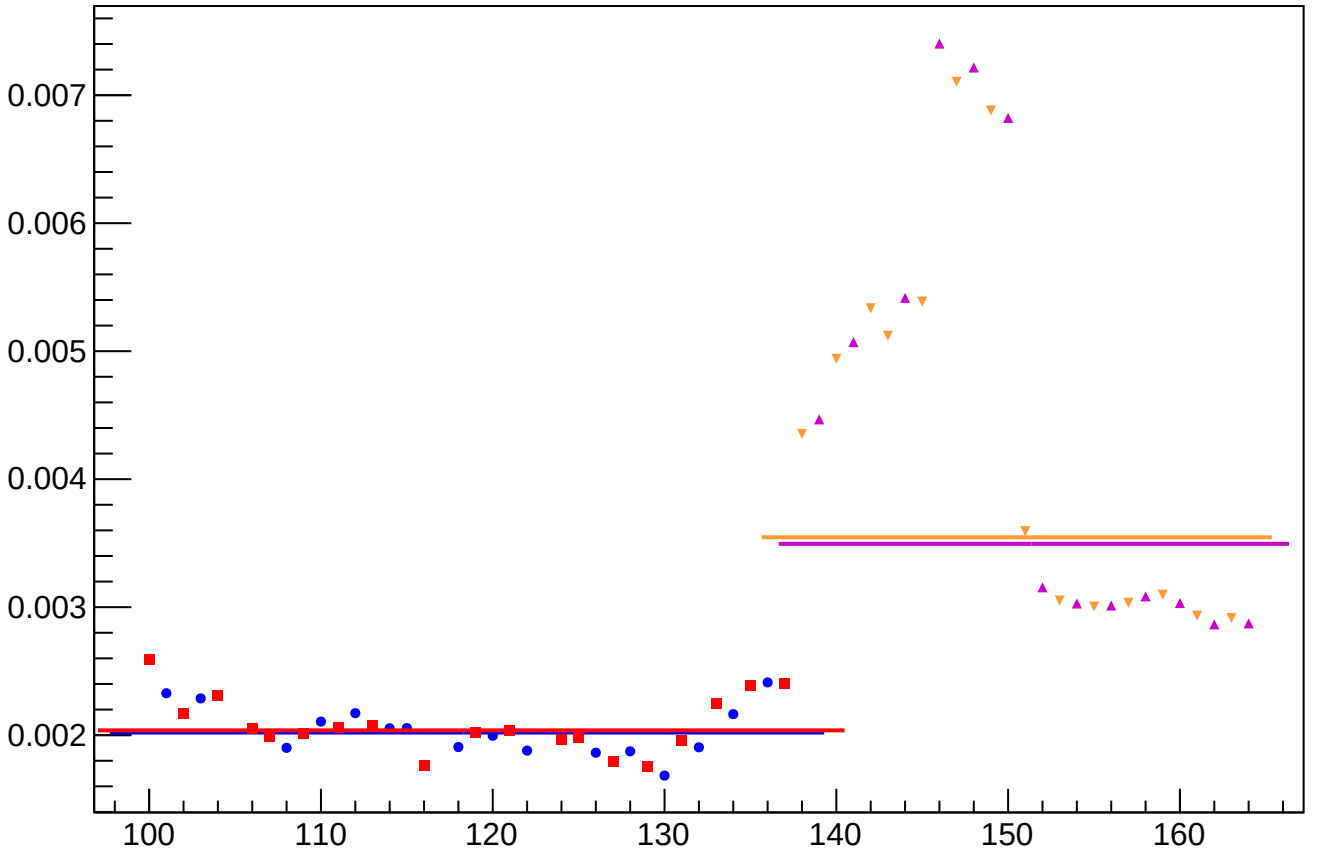
Left: 2.244+/-0.000 χ^2/NDF: 369649842022.1/26

Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.698+/-0.000 χ^2/NDF:739844356208.5/28

Out: 1.685+/-0.000 χ^2/NDF:680538755425.0/32

All: 1.692+/-0.000 χ^2/NDF: 1420574533476.



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:1552603.3/13

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1837492.5/12

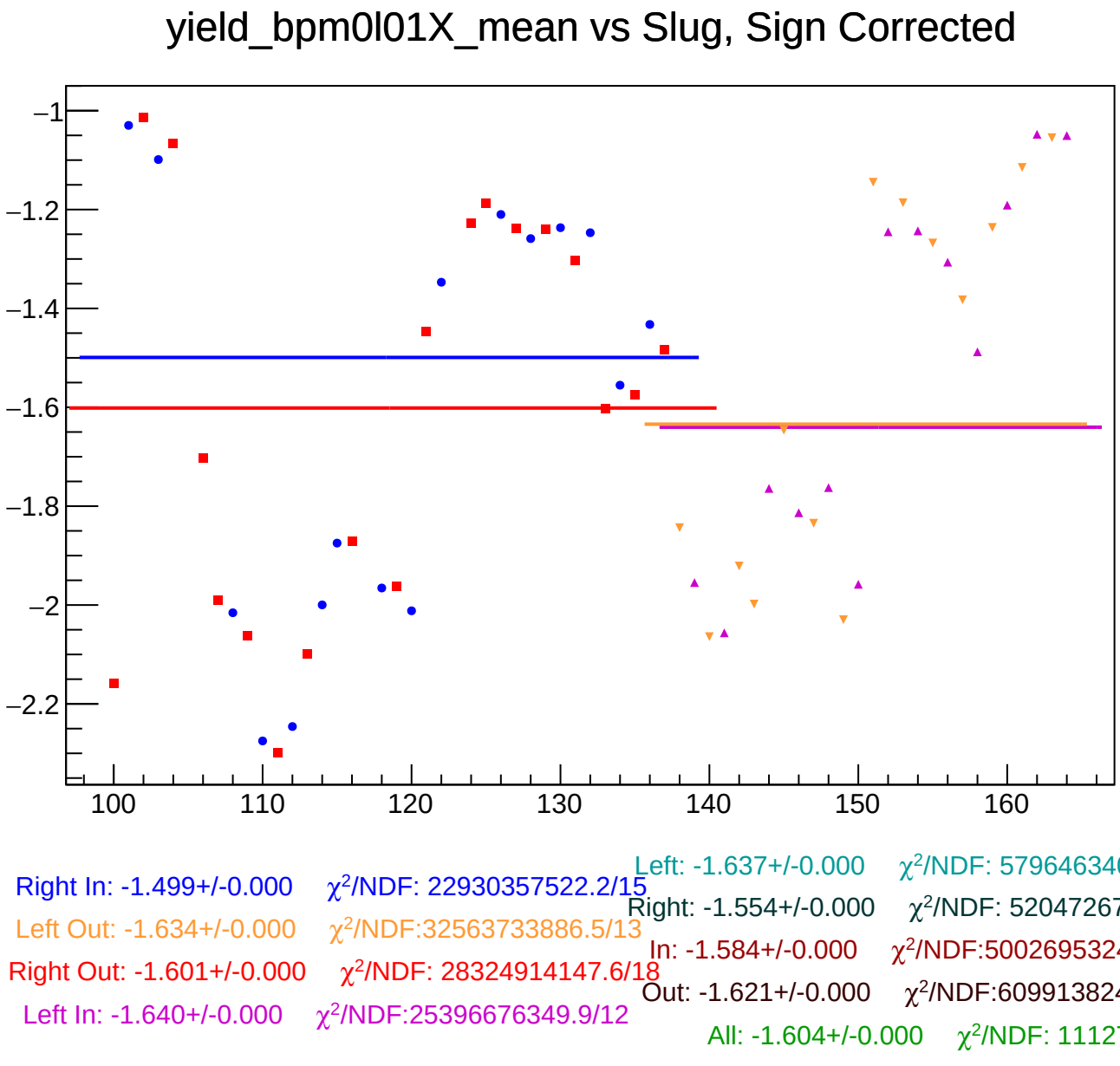
Left: 0.004+/-0.000 χ^2/NDF: 3392063.7/26

Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

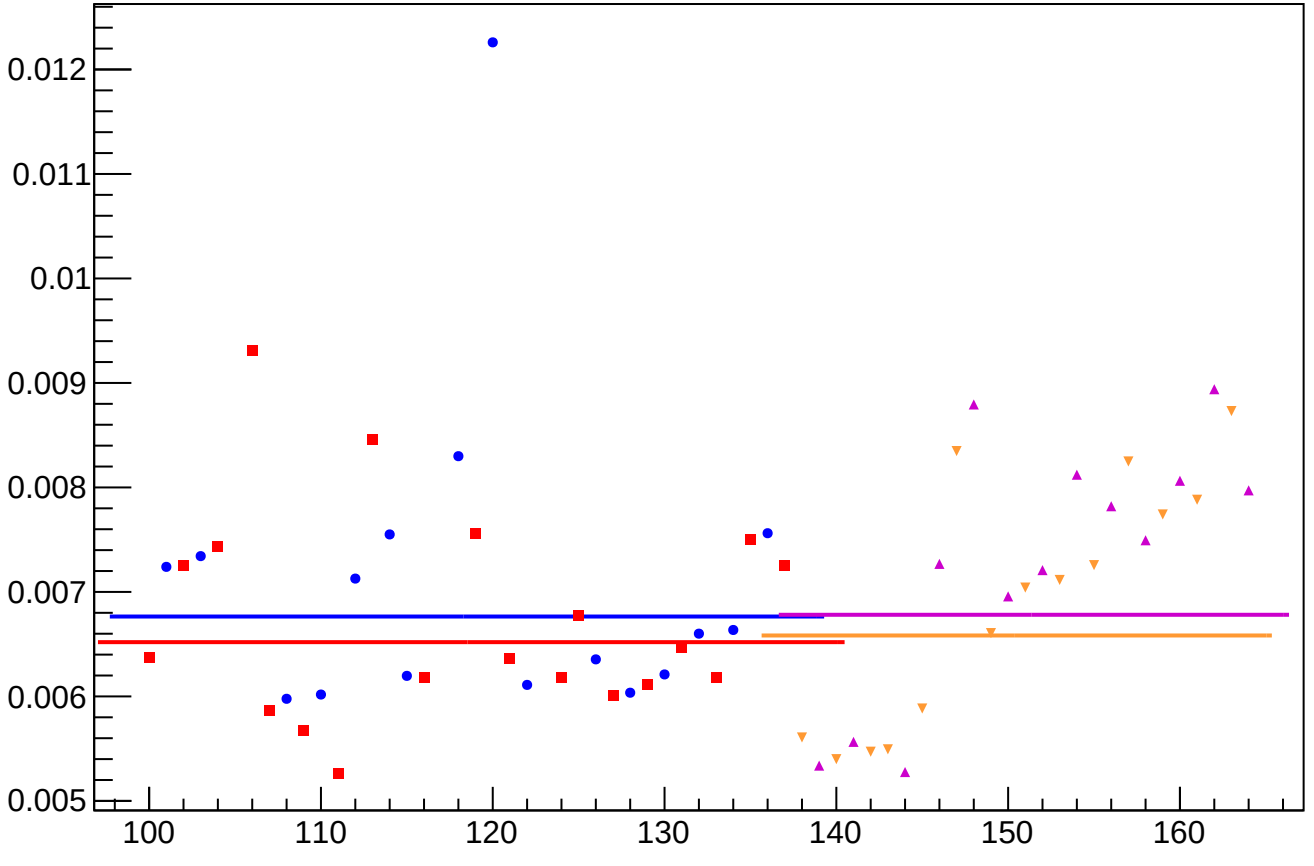
In: 0.002+/-0.000 χ^2/NDF:4236840.6/28

Out: 0.003+/-0.000 χ^2/NDF:4030578.7/32

All: 0.003+/-0.000 χ^2/NDF: 8269441.9/61


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
160
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.634+/-0.000 χ²/NDF:32563733886.5/13
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.640+/-0.000 χ²/NDF:25396676349.9/12
Left: -1.637+/-0.000 χ²/NDF: 57964634020.3/26
Right: -1.554+/-0.000 χ²/NDF: 52047267484.5/34
In: -1.584+/-0.000 χ²/NDF:50026953246.5/28
Out: -1.621+/-0.000 χ²/NDF:60991382409.7/32
All: -1.604+/-0.000 χ²/NDF: 111271742667.0

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:572062.7/13

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:673431.5/12

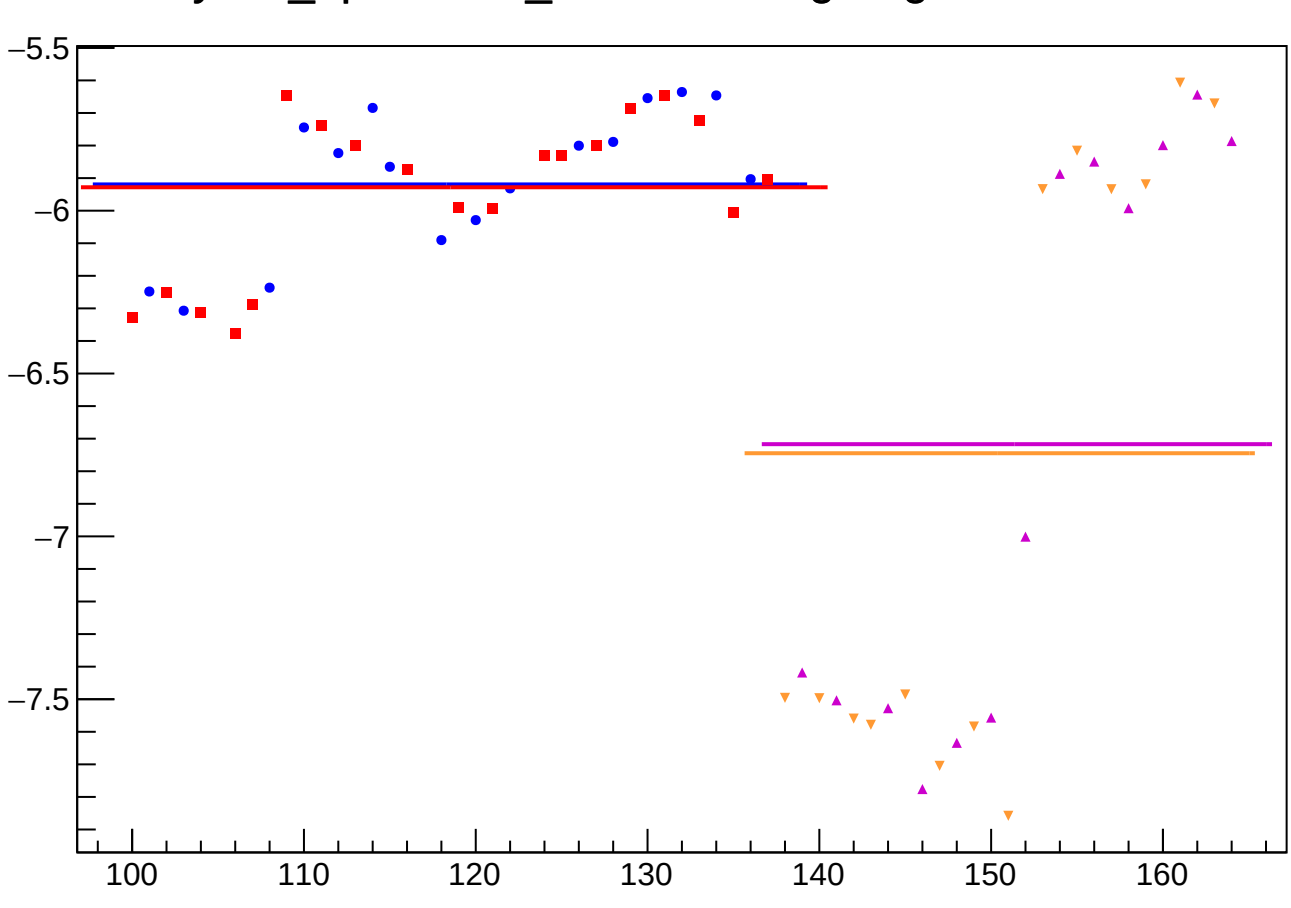
Left: 0.007+/-0.000 χ^2/NDF: 1254309.2/26

Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:912044.9/28

Out: 0.007+/-0.000 χ^2/NDF:818274.3/32

All: 0.007+/-0.000 χ^2/NDF: 1748100.0/61



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.745+/-0.000 χ^2/NDF:76890584365.0/13

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.717+/-0.000 χ^2/NDF:61787825005.0/12

Left: -6.731+/-0.000 χ^2/NDF: 138713832168.2/26

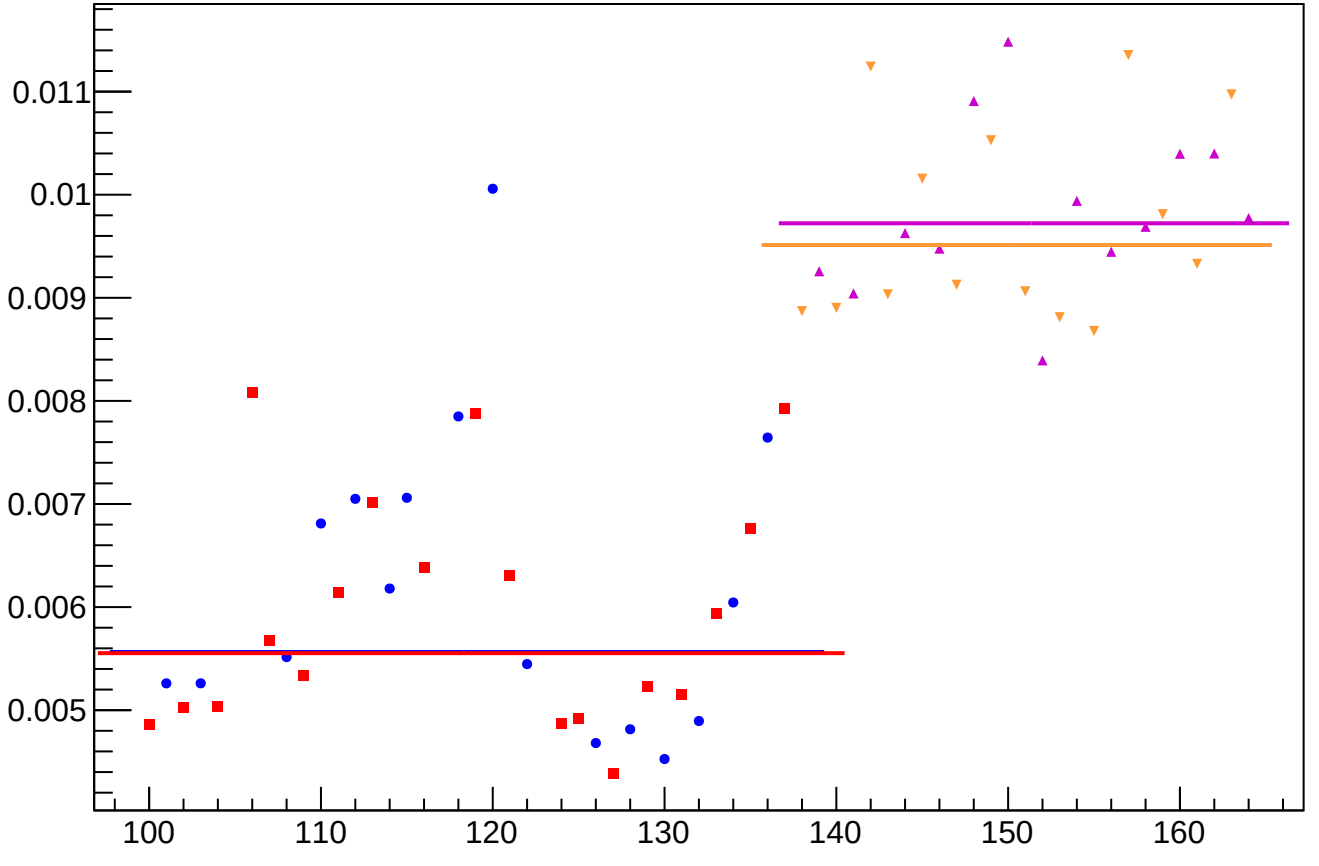
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.167+/-0.000 χ^2/NDF:112708567588.8/28

Out: -6.180+/-0.000 χ^2/NDF:132822556895.9/32

All: -6.174+/-0.000 χ^2/NDF: 245554036322.3

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:133818.6/13

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:105881.1/12

Left: 0.010+/-0.000 χ^2/NDF: 243760.1/26

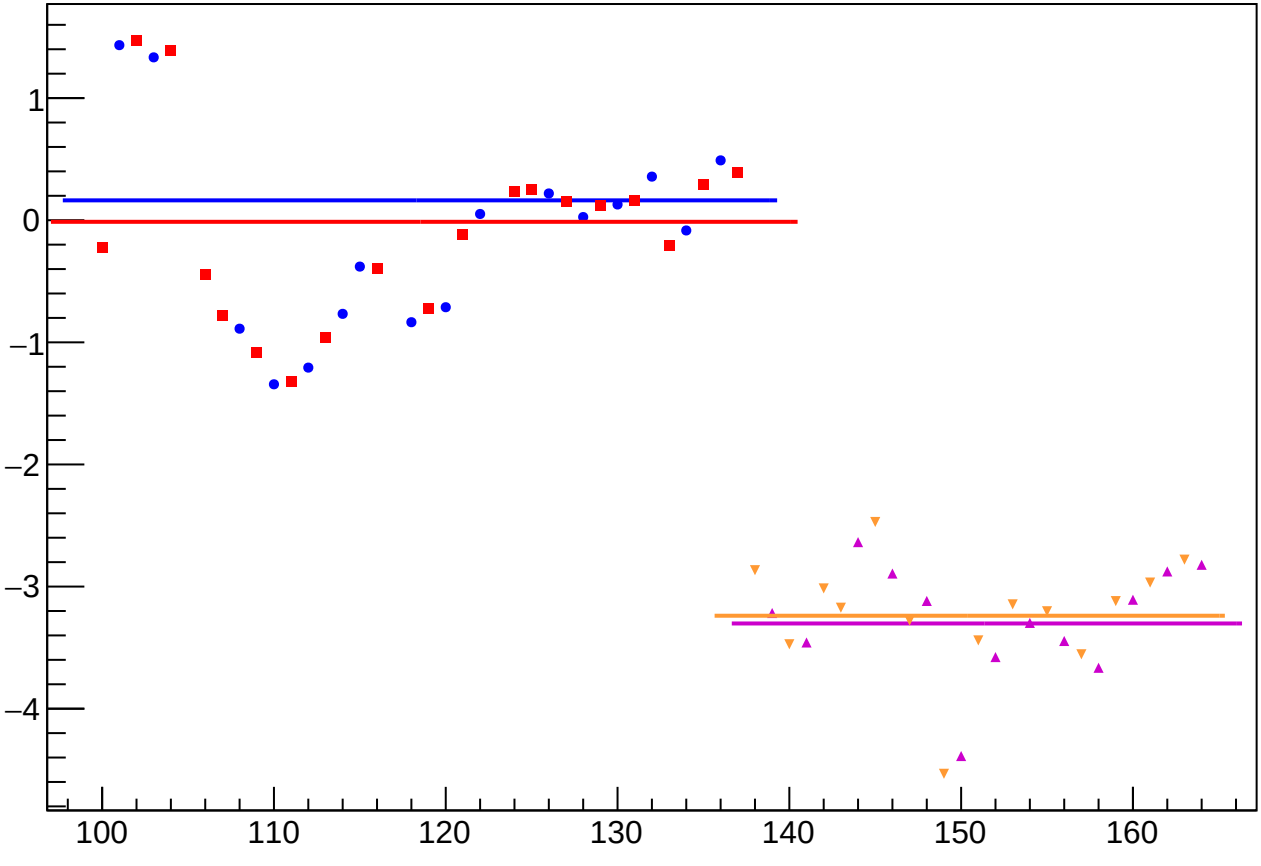
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2731853.1/28

Out: 0.007+/-0.000 χ^2/NDF:2533372.5/32

All: 0.007+/-0.000 χ^2/NDF: 5267305.3/61

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.239+/-0.000 χ^2/NDF:7484069094.1/13

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.302+/-0.000 χ^2/NDF:6262896257.5/12

Left: -3.269+/-0.000 χ^2/NDF: 13813949383.8/26

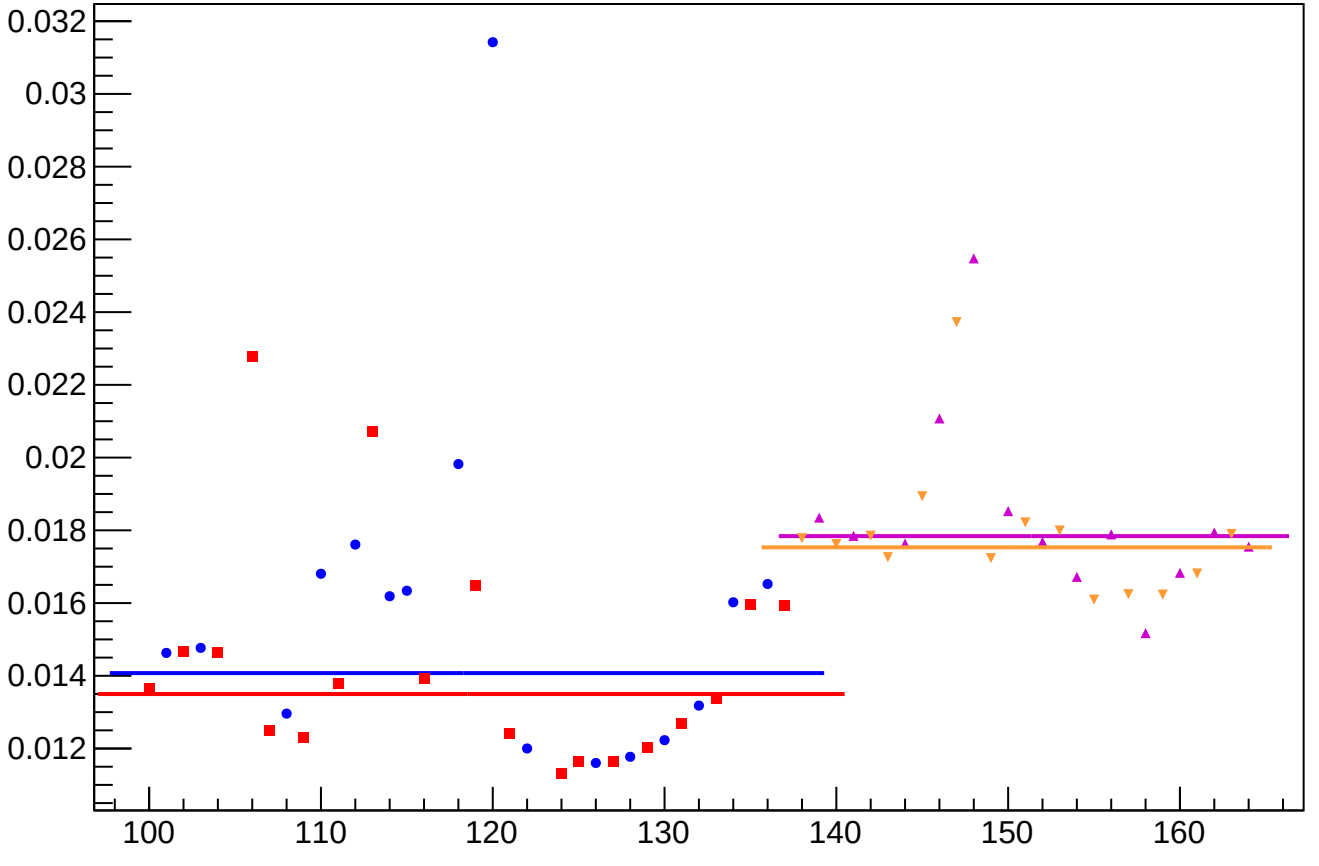
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.583+/-0.000 χ^2/NDF:216807196592.7/28

Out: -1.562+/-0.000 χ^2/NDF:215820194708.2/32

All: -1.572+/-0.000 χ^2/NDF: 432642235029.9

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:152367.6/13

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:243386.7/12

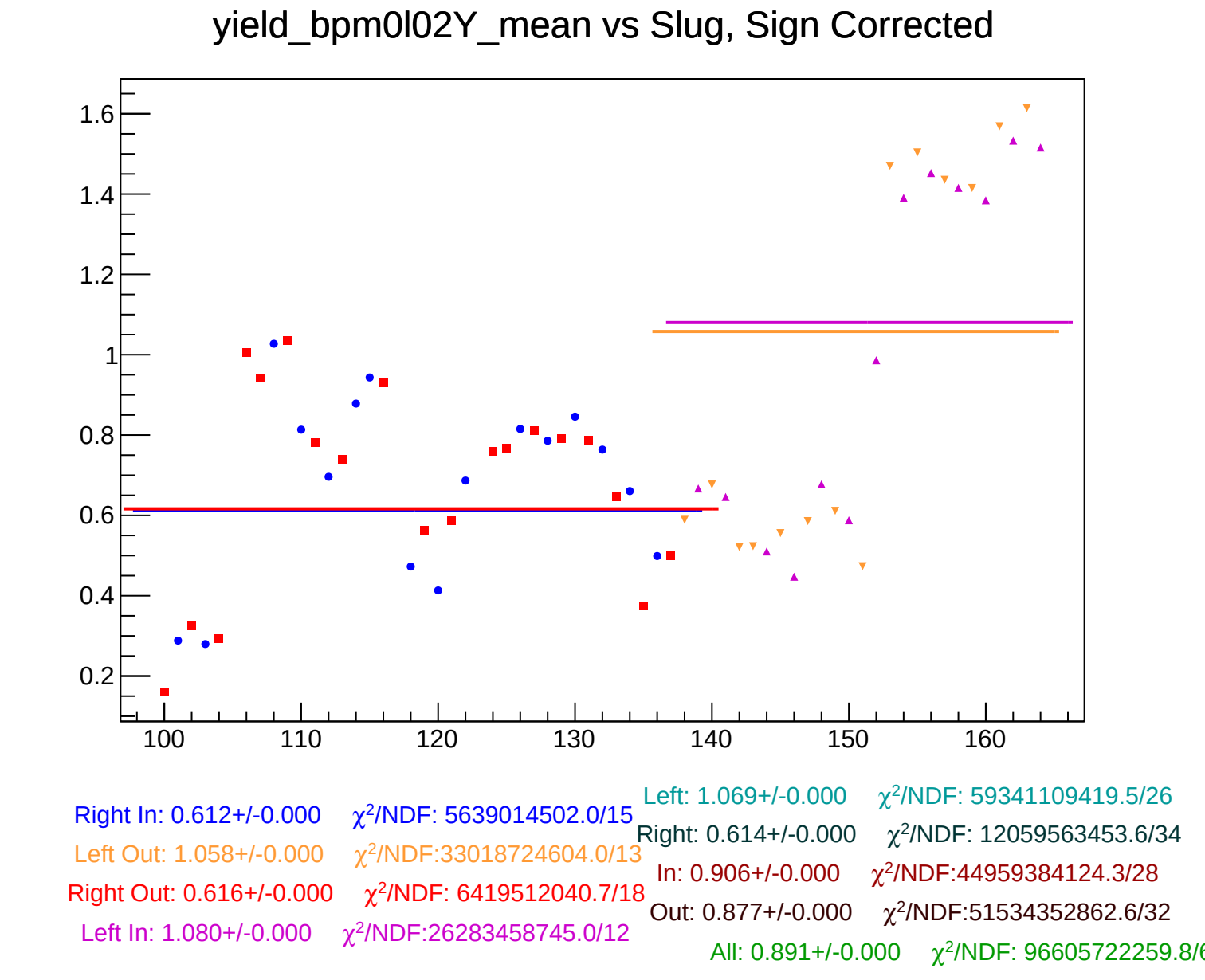
Left: 0.018+/-0.000 χ^2/NDF: 398925.6/26

Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

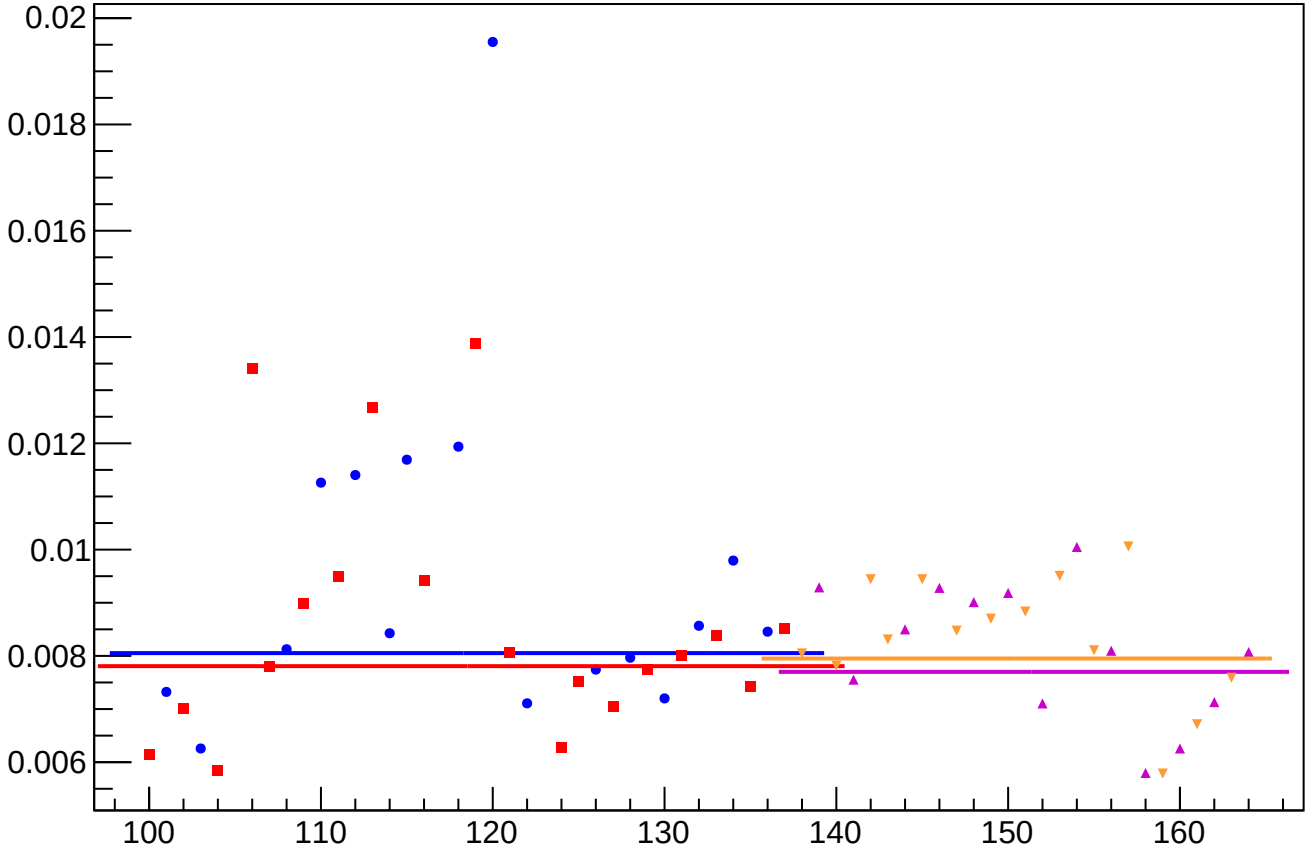
In: 0.016+/-0.000 χ^2/NDF:1164049.7/28

Out: 0.015+/-0.000 χ^2/NDF:1048463.7/32

All: 0.016+/-0.000 χ^2/NDF: 2231973.1/61


yield_bpm0l02Y_mean vs Slug, Sign Corrected
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
160
Right In: 0.612+/-0.000 χ²/NDF: 5639014502.0/15
Left Out: 1.058+/-0.000 χ²/NDF:33018724604.0/13
Right Out: 0.616+/-0.000 χ²/NDF: 6419512040.7/18
Left In: 1.080+/-0.000 χ²/NDF:26283458745.0/12
Left: 1.069+/-0.000 χ²/NDF: 59341109419.5/26
Right: 0.614+/-0.000 χ²/NDF: 12059563453.6/34
In: 0.906+/-0.000 χ²/NDF:44959384124.3/28
Out: 0.877+/-0.000 χ²/NDF:51534352862.6/32
All: 0.891+/-0.000 χ²/NDF: 96605722259.8/6

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:460707.4/13

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:537369.5/12

Left: 0.008+/-0.000 χ^2/NDF: 1007899.5/26

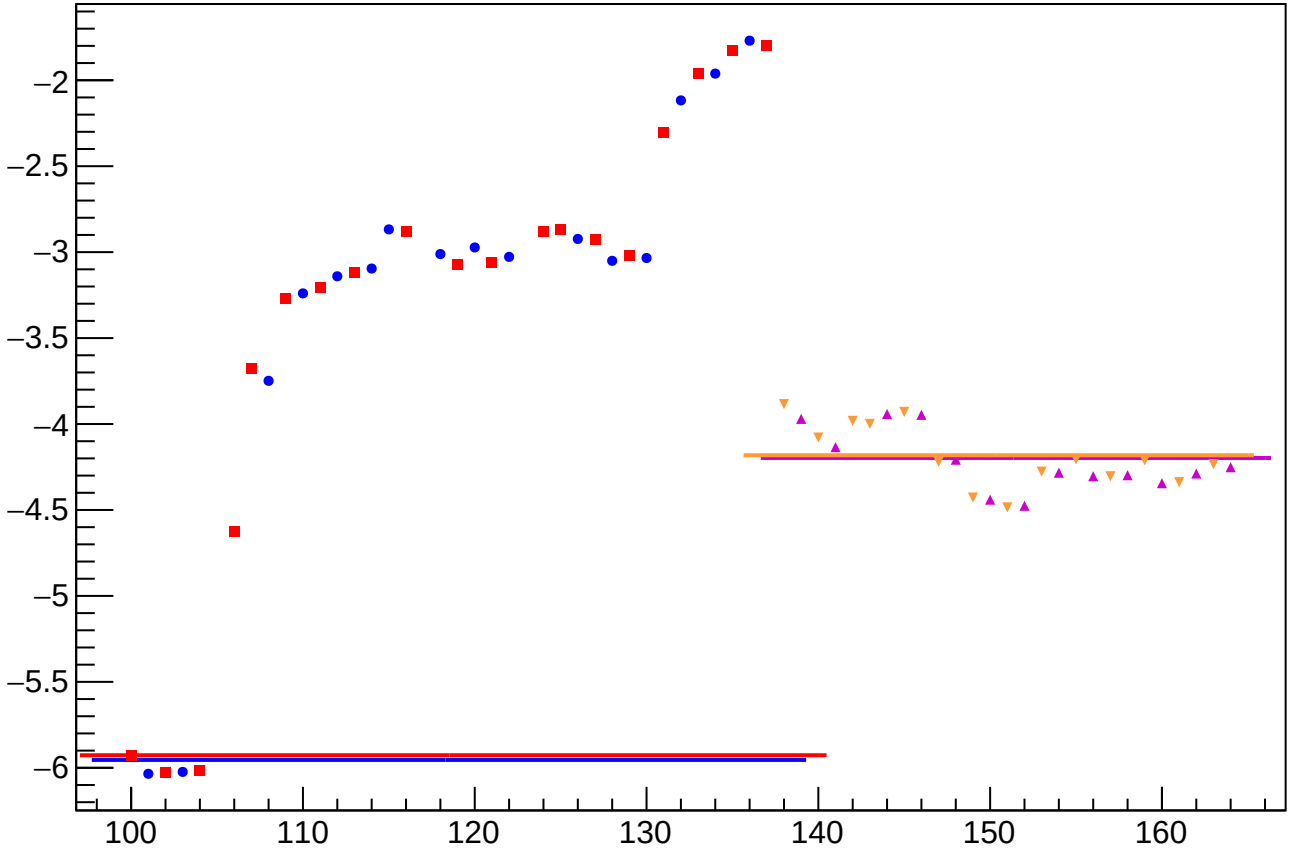
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:1150494.7/28

Out: 0.008+/-0.000 χ^2/NDF:1050428.4/32

All: 0.008+/-0.000 χ^2/NDF: 2201883.0/61

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.182+/-0.000 χ^2/NDF:52547474.4/13

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.197+/-0.000 χ^2/NDF:39973374.2/12

Left: -4.191+/-0.000 χ^2/NDF: 92687393.4/26

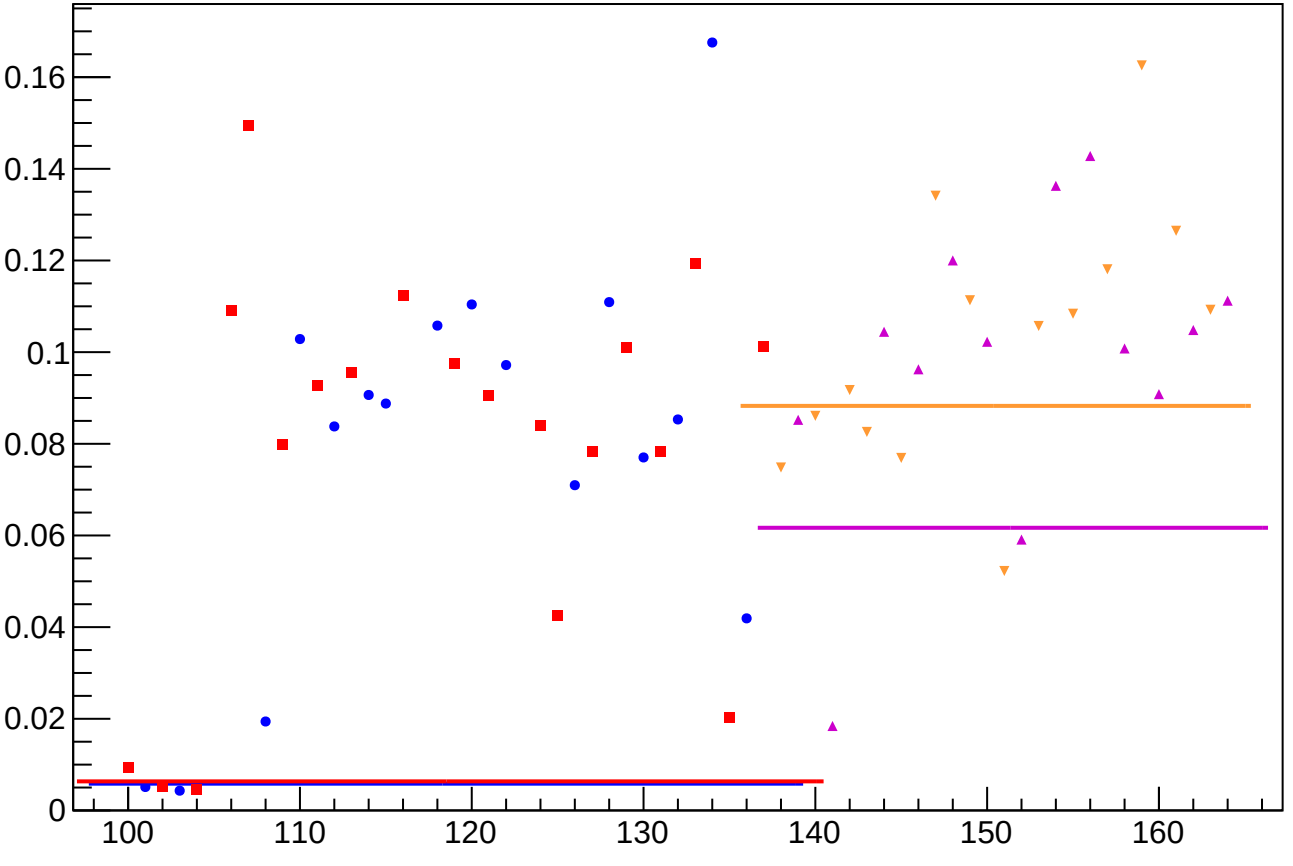
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.902+/-0.000 χ^2/NDF:17848157279.0/28

Out: -5.881+/-0.000 χ^2/NDF:17346643088.7/32

All: -5.893+/-0.000 χ^2/NDF: 35205175724.0/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.088+/-0.000 χ^2/NDF:1533707.0/13

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.062+/-0.000 χ^2/NDF:5419940.7/12

Left: 0.073+/-0.000 χ^2/NDF: 7886980.0/26

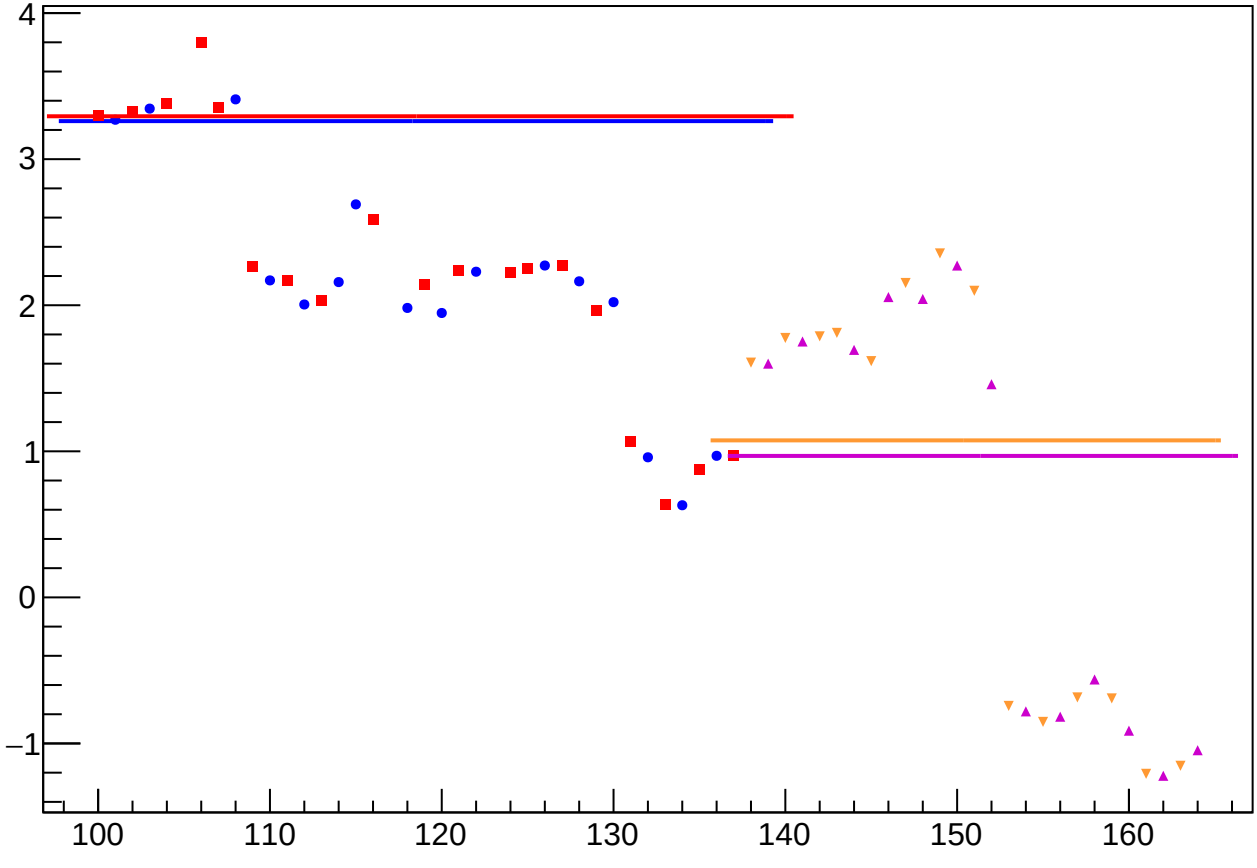
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.007+/-0.000 χ^2/NDF:23634598.8/28

Out: 0.008+/-0.000 χ^2/NDF:25143200.0/32

All: 0.008+/-0.000 χ^2/NDF: 48824761.9/61

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.075+/-0.000 χ^2/NDF:1648325690.7/13

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.968+/-0.000 χ^2/NDF:1619166616.7/12

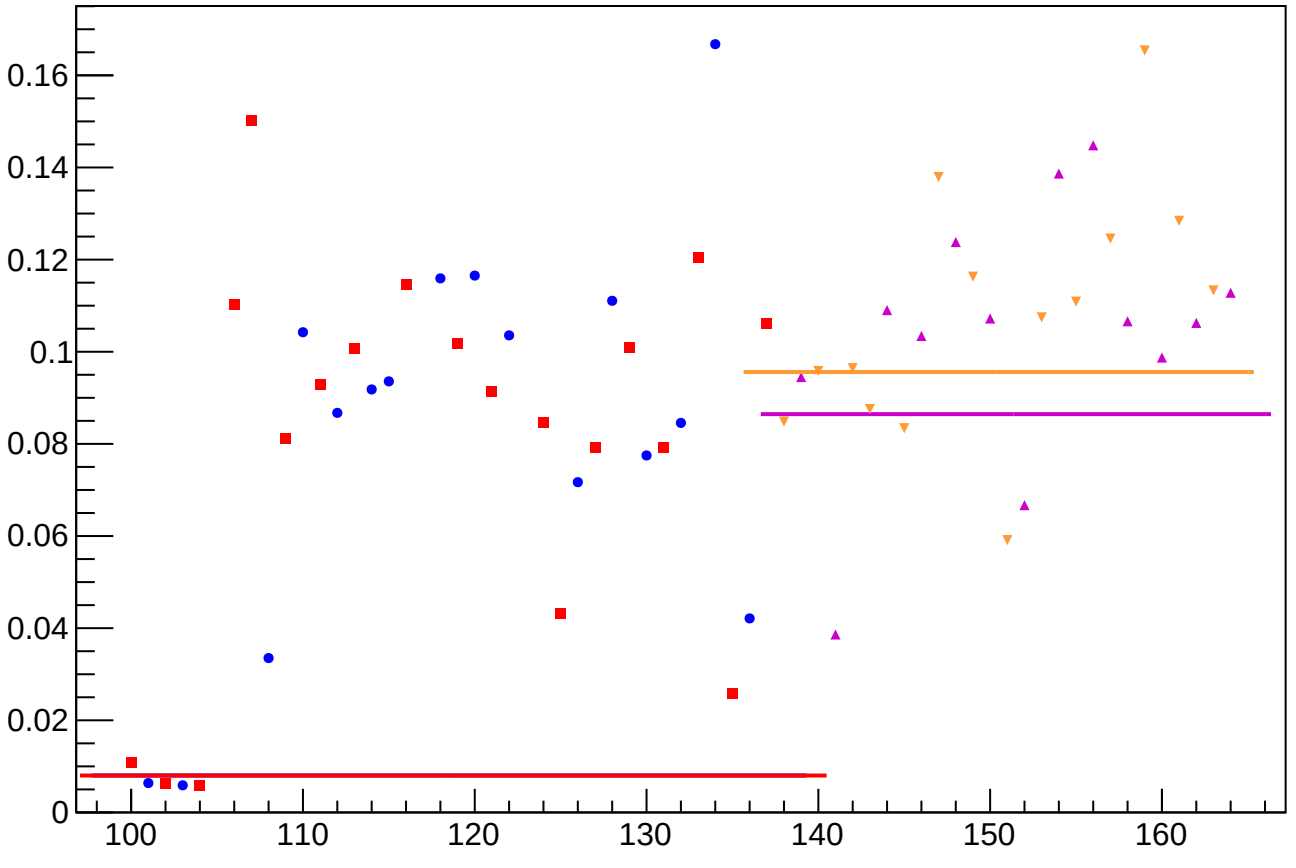
Left: 1.020+/-0.000 χ^2/NDF: 3273274462.0/26

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.185+/-0.000 χ^2/NDF:9961480008.2/28

Out: 3.221+/-0.000 χ^2/NDF:9637008275.0/32

All: 3.202+/-0.000 χ^2/NDF: 19617622550.6/6



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.096+/-0.000 χ^2/NDF:1219552.8/13

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.086+/-0.000 χ^2/NDF:2204307.5/12

Left: 0.091+/-0.000 χ^2/NDF: 3509249.1/26

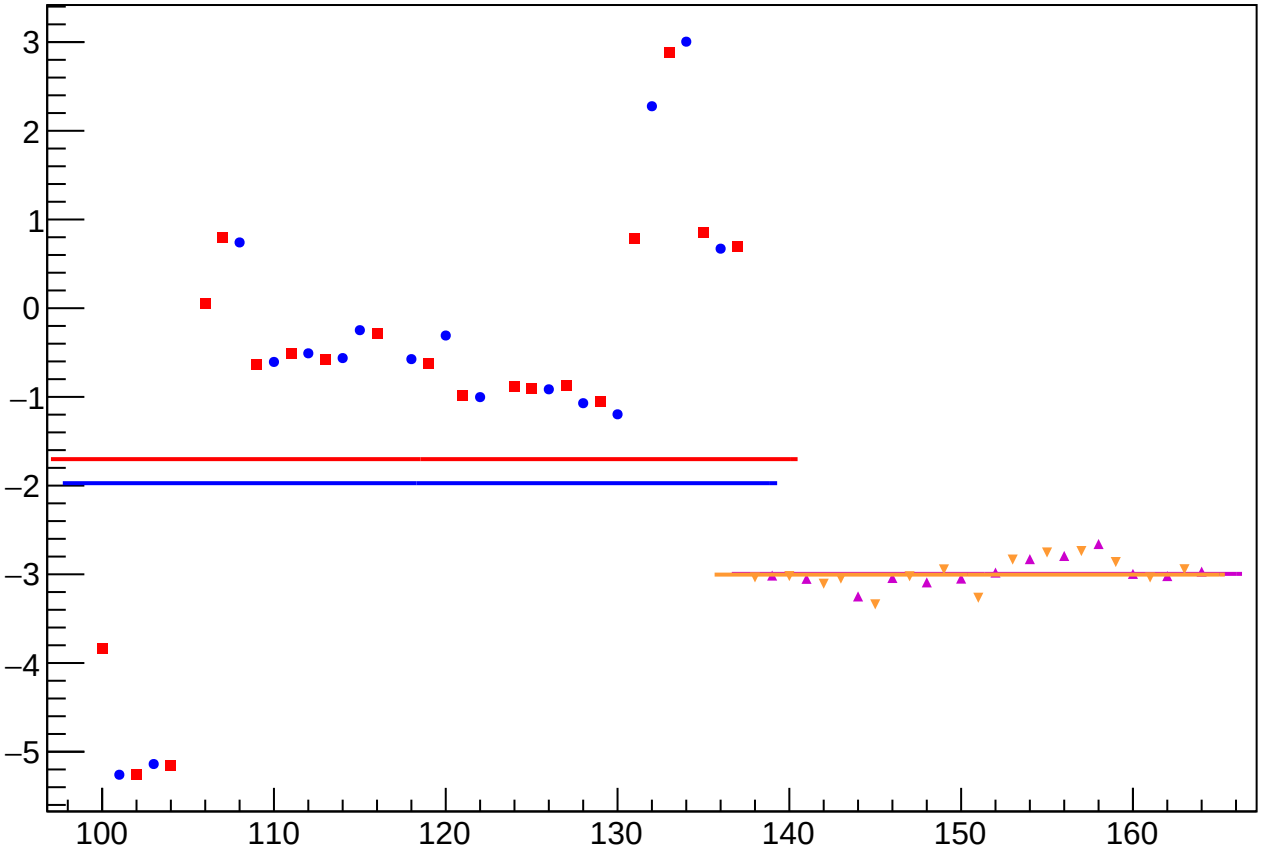
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.011+/-0.000 χ^2/NDF:23110509.9/28

Out: 0.011+/-0.000 χ^2/NDF:24546565.0/32

All: 0.011+/-0.000 χ^2/NDF: 47660172.4/61

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.003+/-0.000 χ^2/NDF:4233735468.5/13

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.995+/-0.000 χ^2/NDF:2987602124.6/12

Left: -2.999+/-0.000 χ^2/NDF: 7226376702.8/26

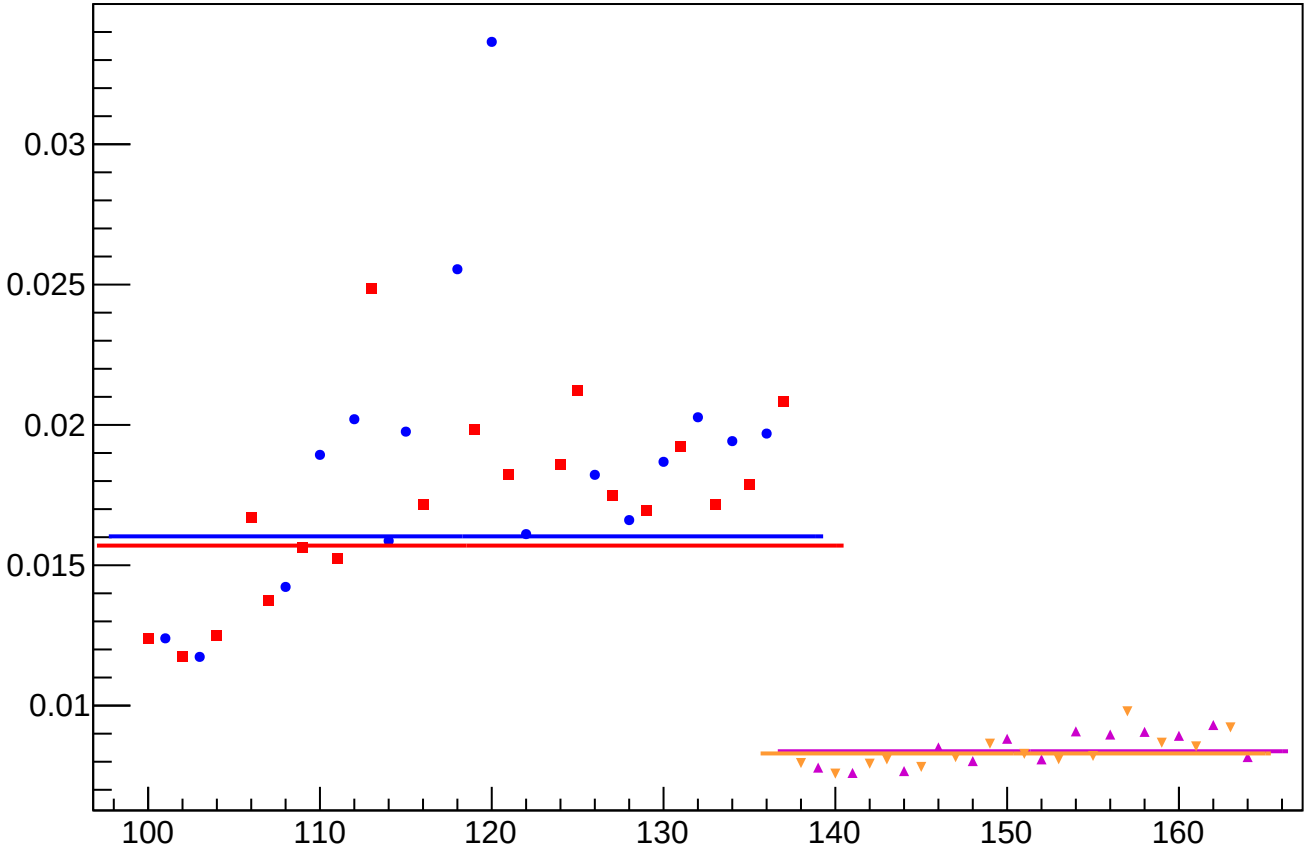
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.859+/-0.000 χ^2/NDF:185482070658.6/28

Out: -2.815+/-0.000 χ^2/NDF:209837600534.7/32

All: -2.836+/-0.000 χ^2/NDF: 395483085442.1

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:86050.0/13

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:99496.0/12

Left: 0.008+/-0.000 χ^2/NDF: 186458.2/26

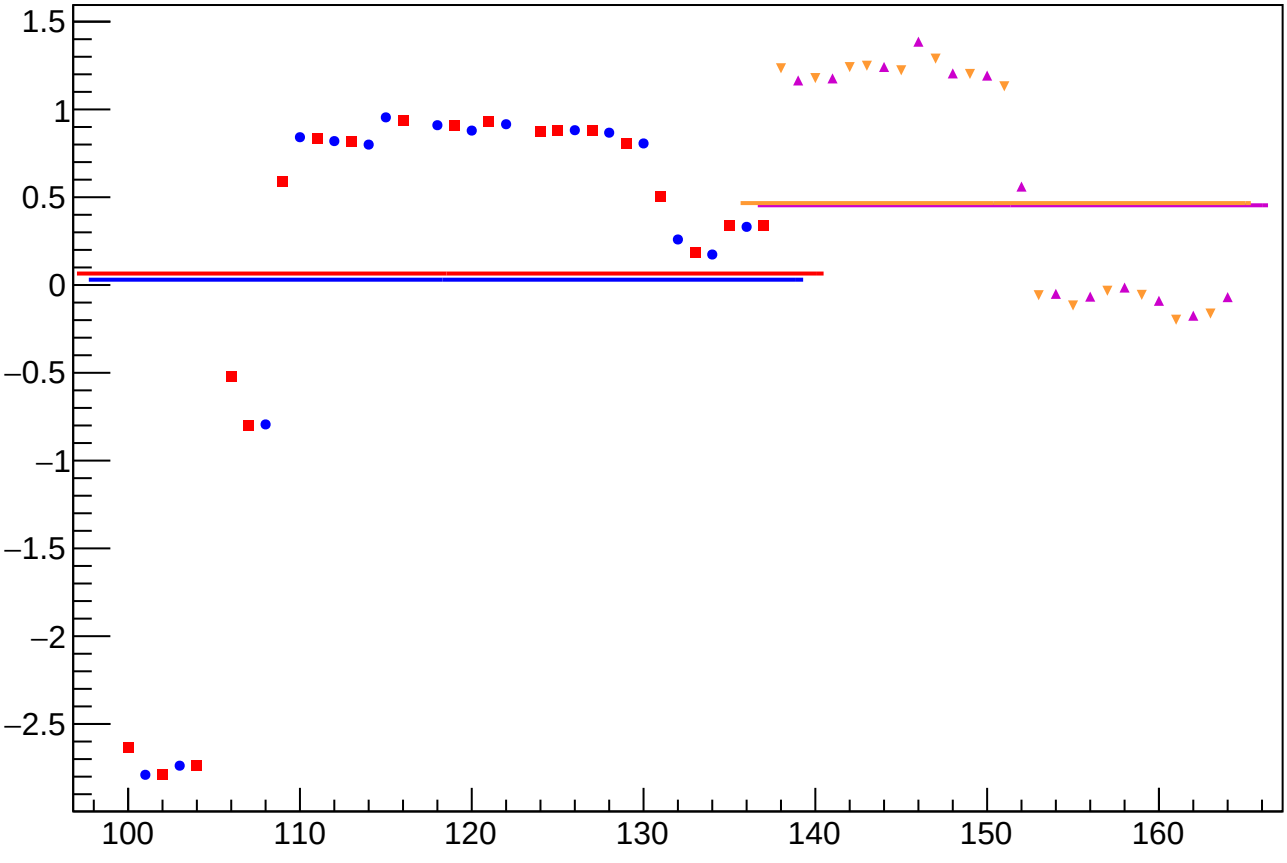
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3136848.6/28

Out: 0.009+/-0.000 χ^2/NDF:3015049.6/32

All: 0.009+/-0.000 χ^2/NDF: 6152060.9/61

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.467+/-0.000 χ^2/NDF:80000819547.0/13

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.454+/-0.000 χ^2/NDF:66631353544.9/12

Left: 0.460+/-0.000 χ^2/NDF: 146646515582.9/26

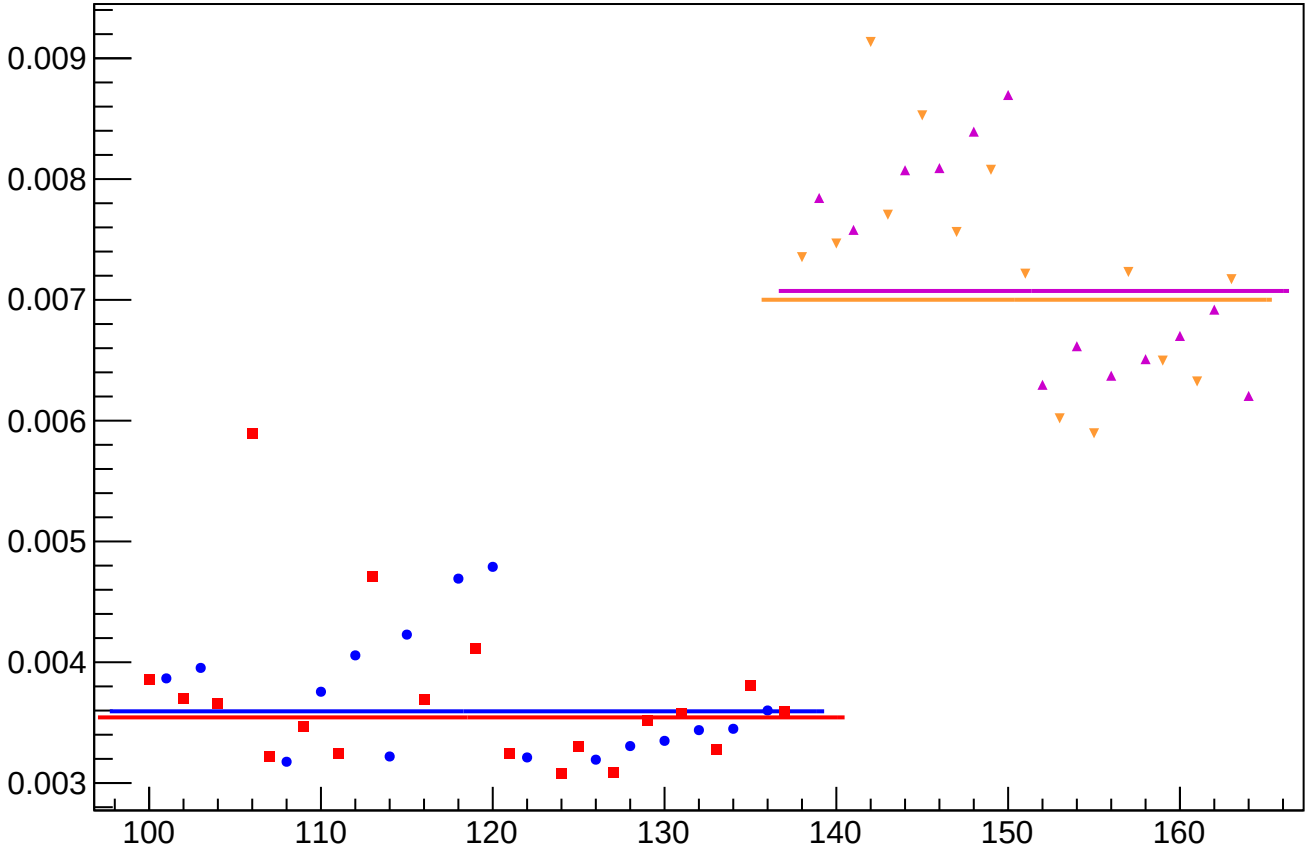
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.139+/-0.000 χ^2/NDF:942385161194.5/28

Out: 0.165+/-0.000 χ^2/NDF:1037930913017.4/32

All: 0.153+/-0.000 χ^2/NDF: 1980560902738.

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:249401.0/13

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:233058.3/12

Left: 0.007+/-0.000 χ^2/NDF: 483429.7/26

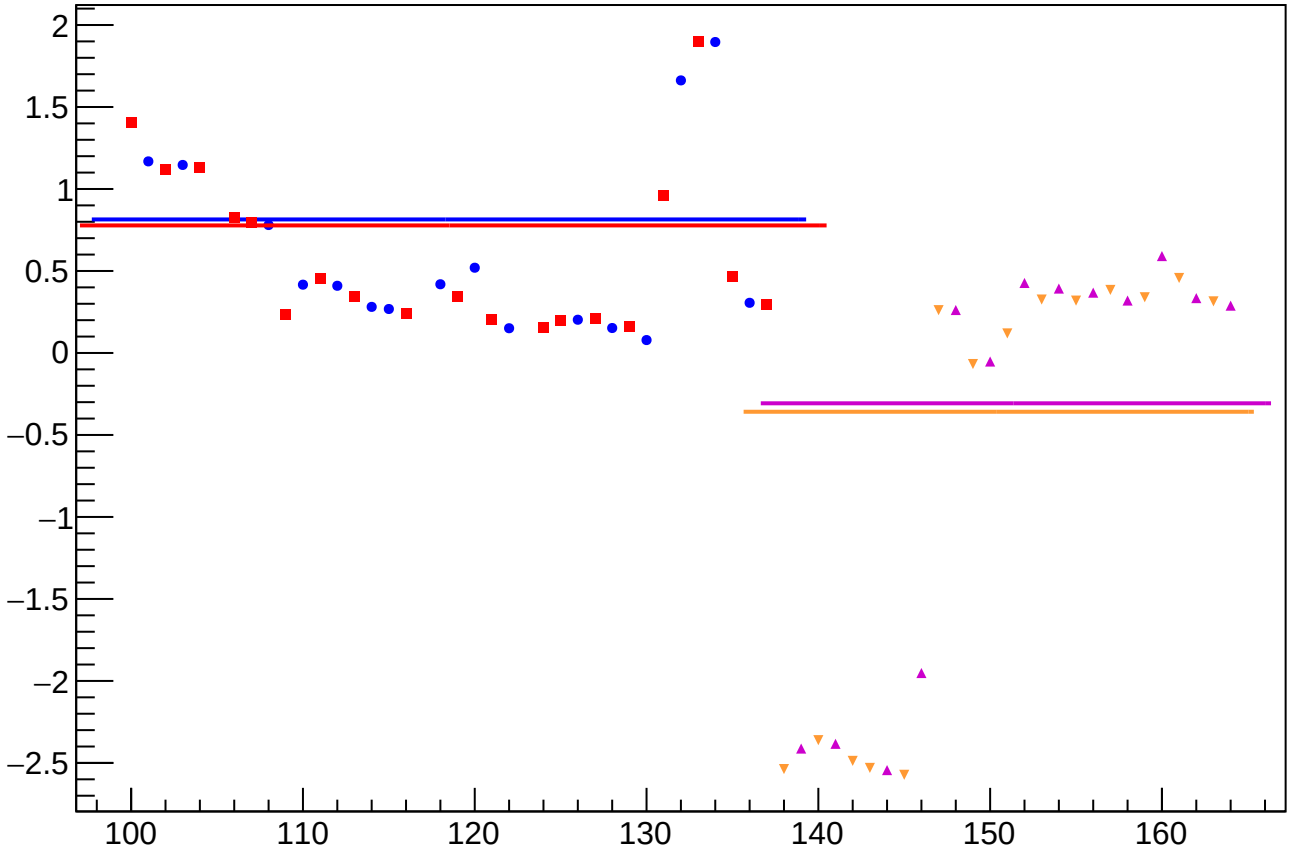
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:3660376.1/28

Out: 0.004+/-0.000 χ^2/NDF:3808536.1/32

All: 0.004+/-0.000 χ^2/NDF: 7474020.6/61

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.358+/-0.000 χ^2/NDF:347742263442.6/13

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.307+/-0.000 χ^2/NDF:315314299026.8/12

Left: -0.333+/-0.000 χ^2/NDF: 663382904970.4/26

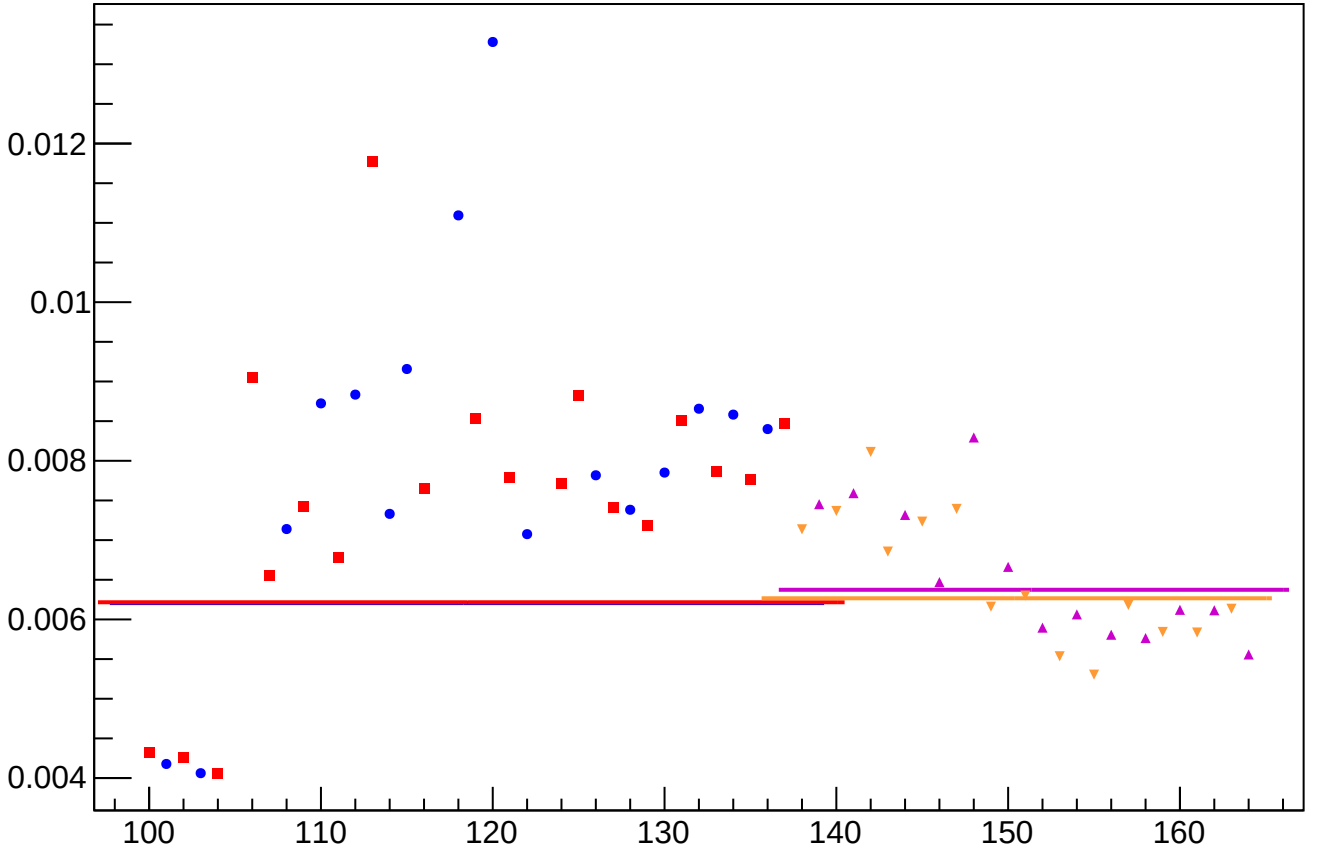
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.113+/-0.000 χ^2/NDF:464167368030.7/28

Out: 0.076+/-0.000 χ^2/NDF:506265680629.7/32

All: 0.094+/-0.000 χ^2/NDF: 970702726339.5

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:254271.7/13

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:257240.0/12

Left: 0.006+/-0.000 χ^2/NDF: 514336.5/26

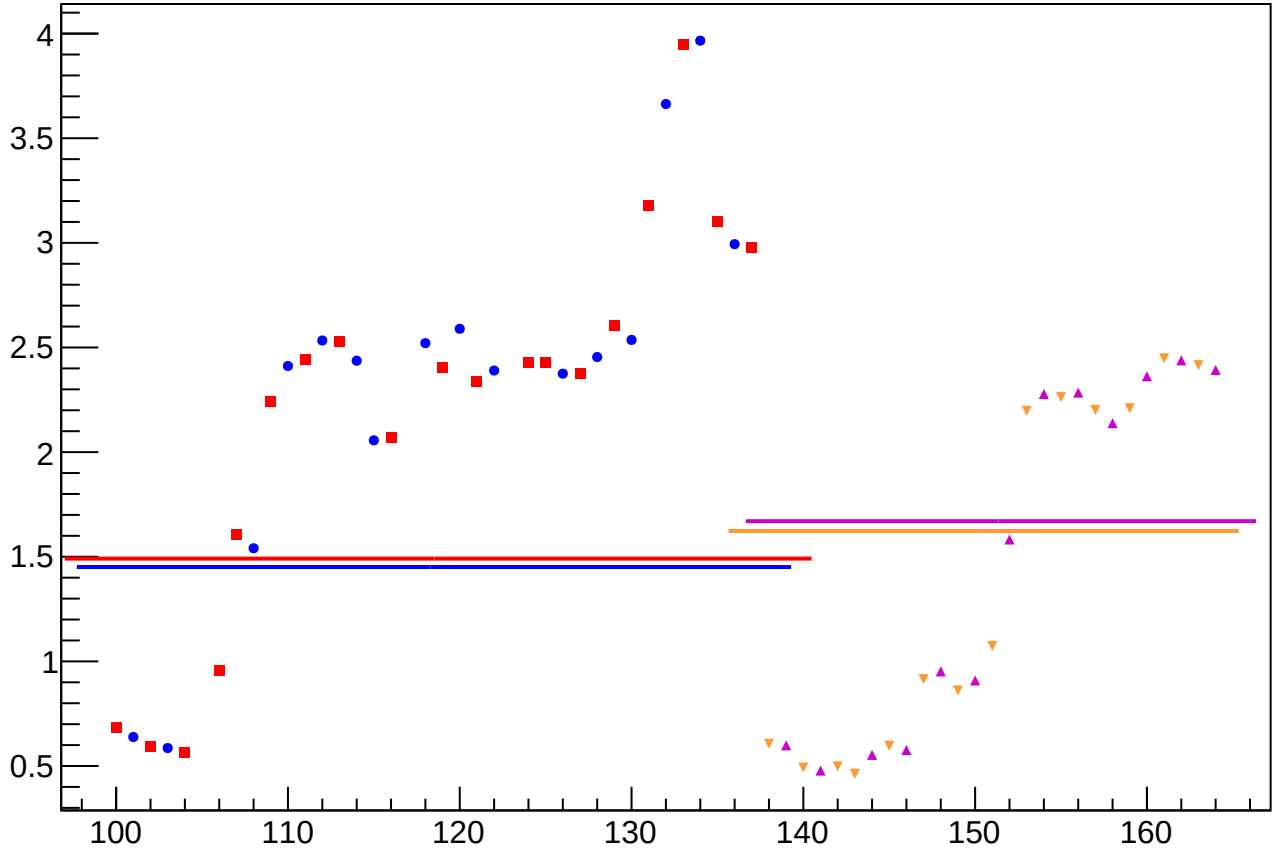
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1686207.2/28

Out: 0.006+/-0.000 χ^2/NDF:1415874.1/32

All: 0.006+/-0.000 χ^2/NDF: 3103679.0/61

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.623+/-0.000 χ^2/NDF:154799155528.8/13

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.670+/-0.000 χ^2/NDF:139559153711.0/12

Left: 1.646+/-0.000 χ^2/NDF: 294620671860.3/26

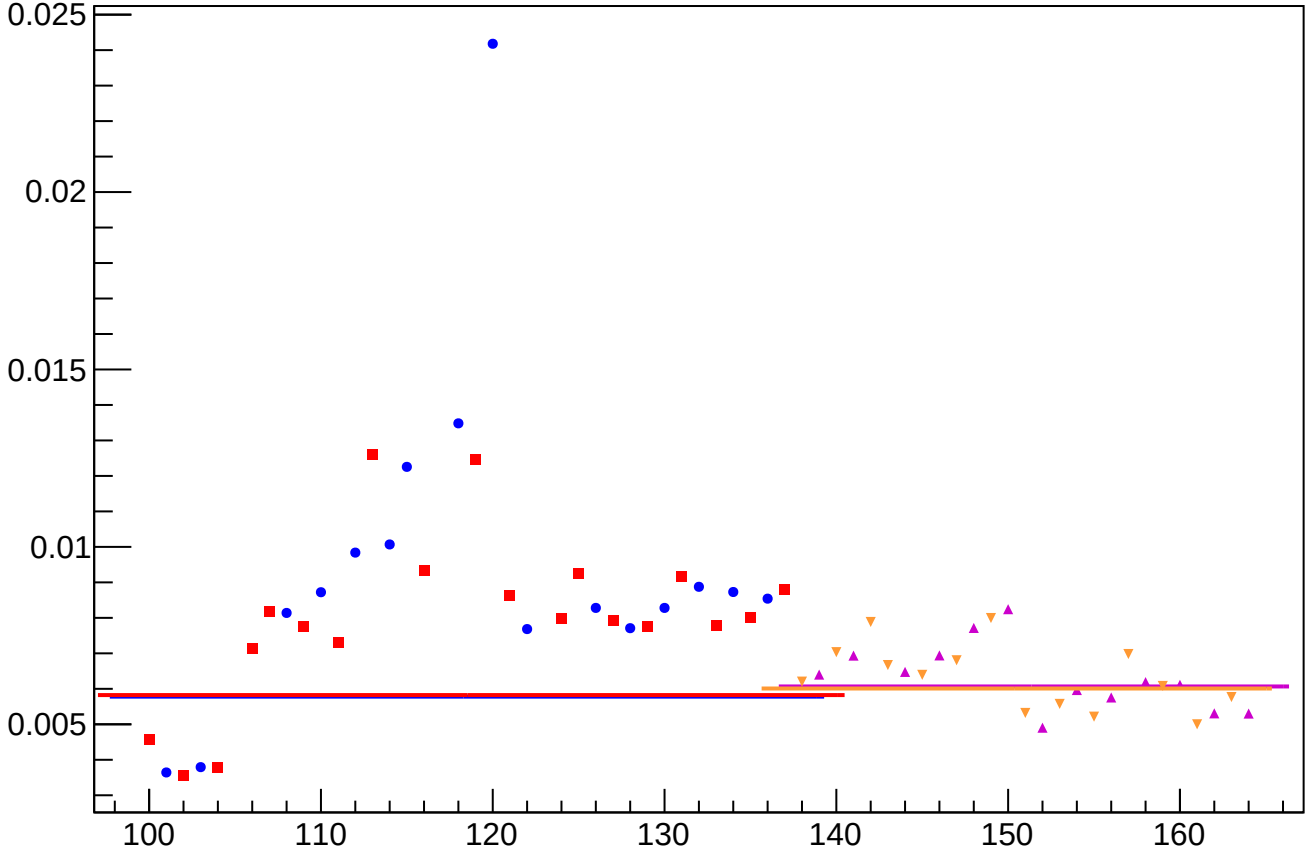
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.585+/-0.000 χ^2/NDF:313592131295.1/28

Out: 1.571+/-0.000 χ^2/NDF:343443493991.5/32

All: 1.578+/-0.000 χ^2/NDF: 657076035480.2

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:326963.8/13

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:344094.6/12

Left: 0.006+/-0.000 χ^2/NDF: 671860.7/26

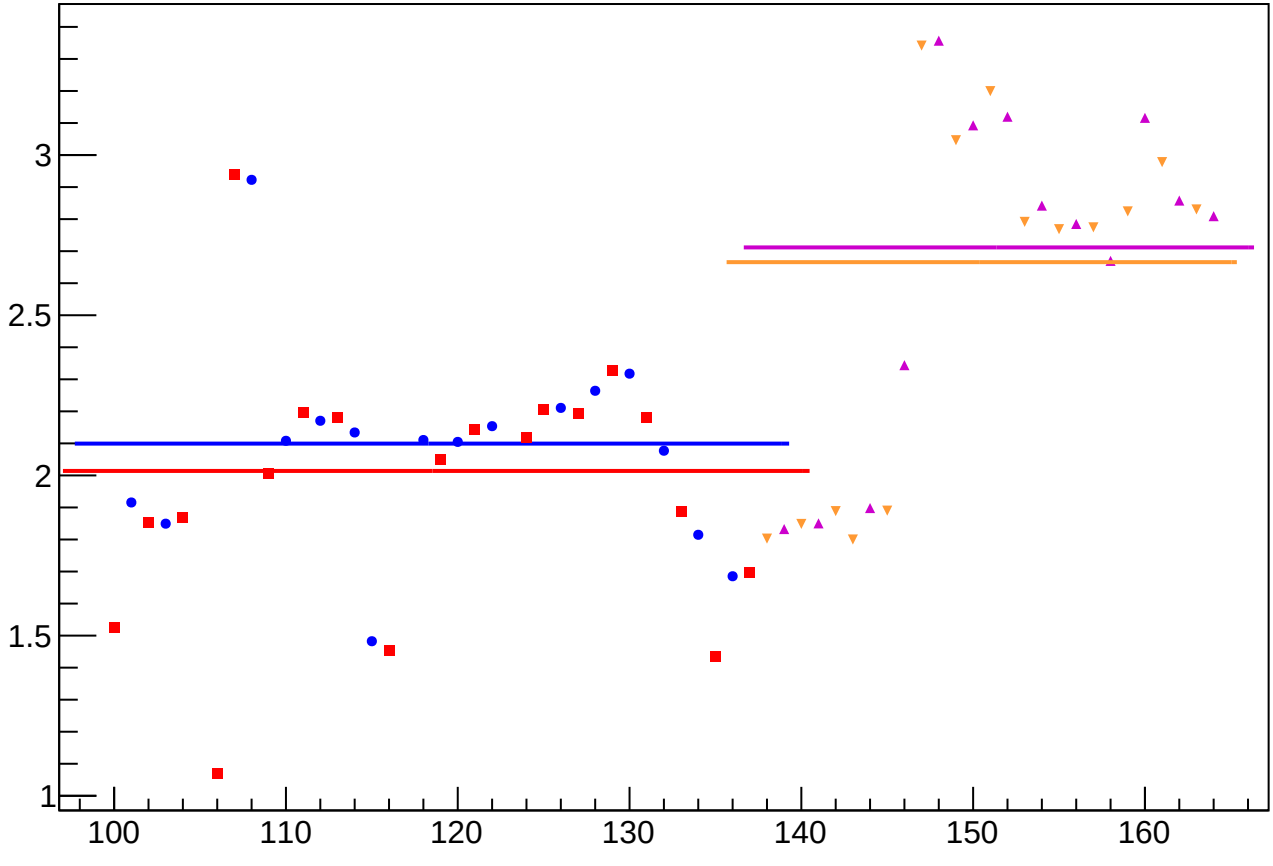
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2573000.7/28

Out: 0.006+/-0.000 χ^2/NDF:2289371.3/32

All: 0.006+/-0.000 χ^2/NDF: 4862536.9/61

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.666+/-0.000 χ^2/NDF:42816761084.3/13

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.712+/-0.000 χ^2/NDF:36162298484.5/12

Left: 2.689+/-0.000 χ^2/NDF: 79149387178.6/26

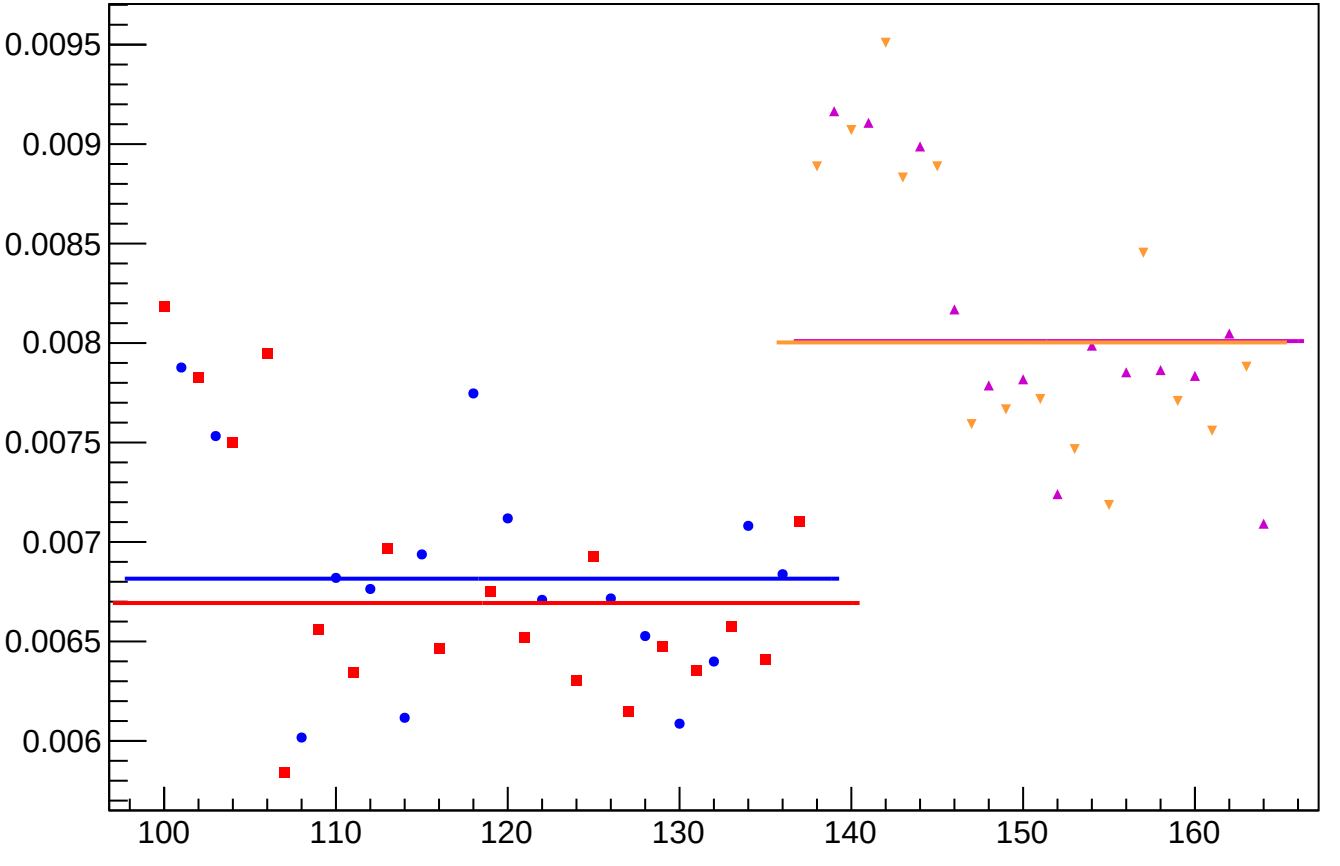
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.419+/-0.000 χ^2/NDF:78842627342.1/28

Out: 2.343+/-0.000 χ^2/NDF:96568461008.8/32

All: 2.380+/-0.000 χ^2/NDF: 176323406747.2

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:134208.9/13

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:112294.2/12

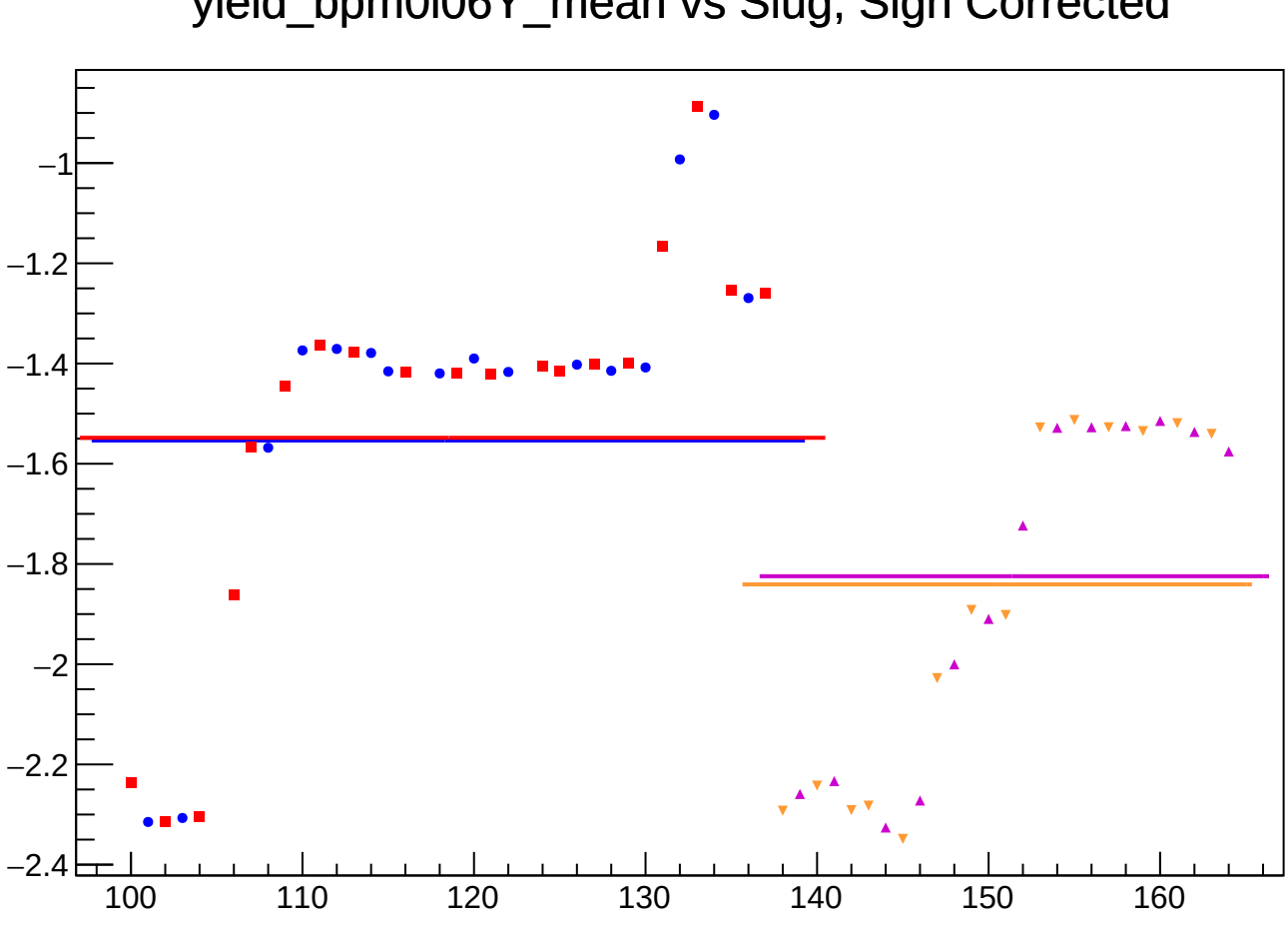
Left: 0.008+/-0.000 χ^2/NDF: 246510.2/26

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:417768.8/28

Out: 0.007+/-0.000 χ^2/NDF:497878.5/32

All: 0.007+/-0.000 χ^2/NDF: 917913.5/61



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.841+/-0.000 χ^2/NDF:116961323053.2/13

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -1.824+/-0.000 χ^2/NDF:108034957570.4/12

Left: -1.833+/-0.000 χ^2/NDF: 225133526288.7/26

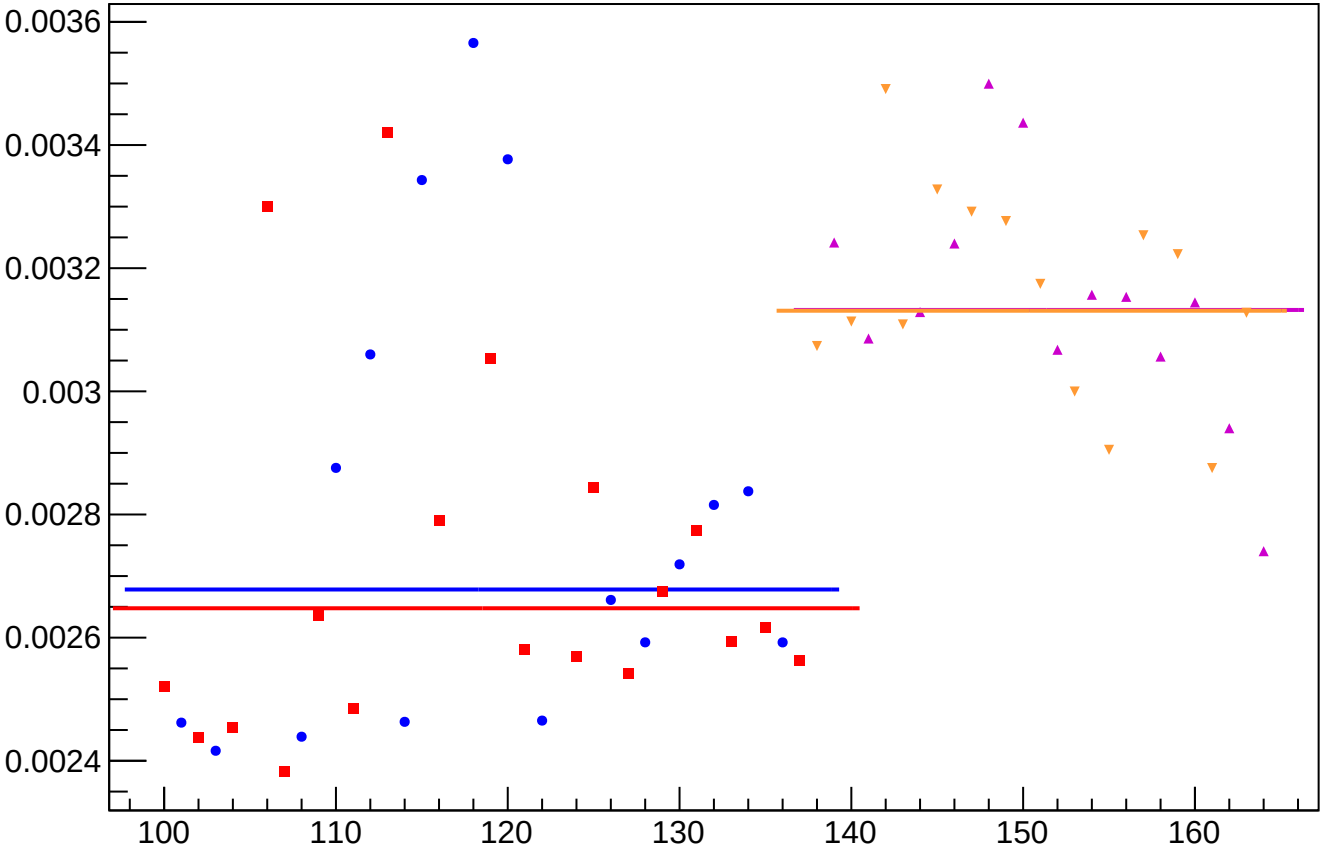
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.695+/-0.000 χ^2/NDF:319121862240.0/28

Out: -1.697+/-0.000 χ^2/NDF:335311814896.8/32

All: -1.696+/-0.000 χ^2/NDF: 654437064034.6

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:49333.6/13

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:66122.9/12

Left: 0.003+/-0.000 χ^2/NDF: 115458.1/26

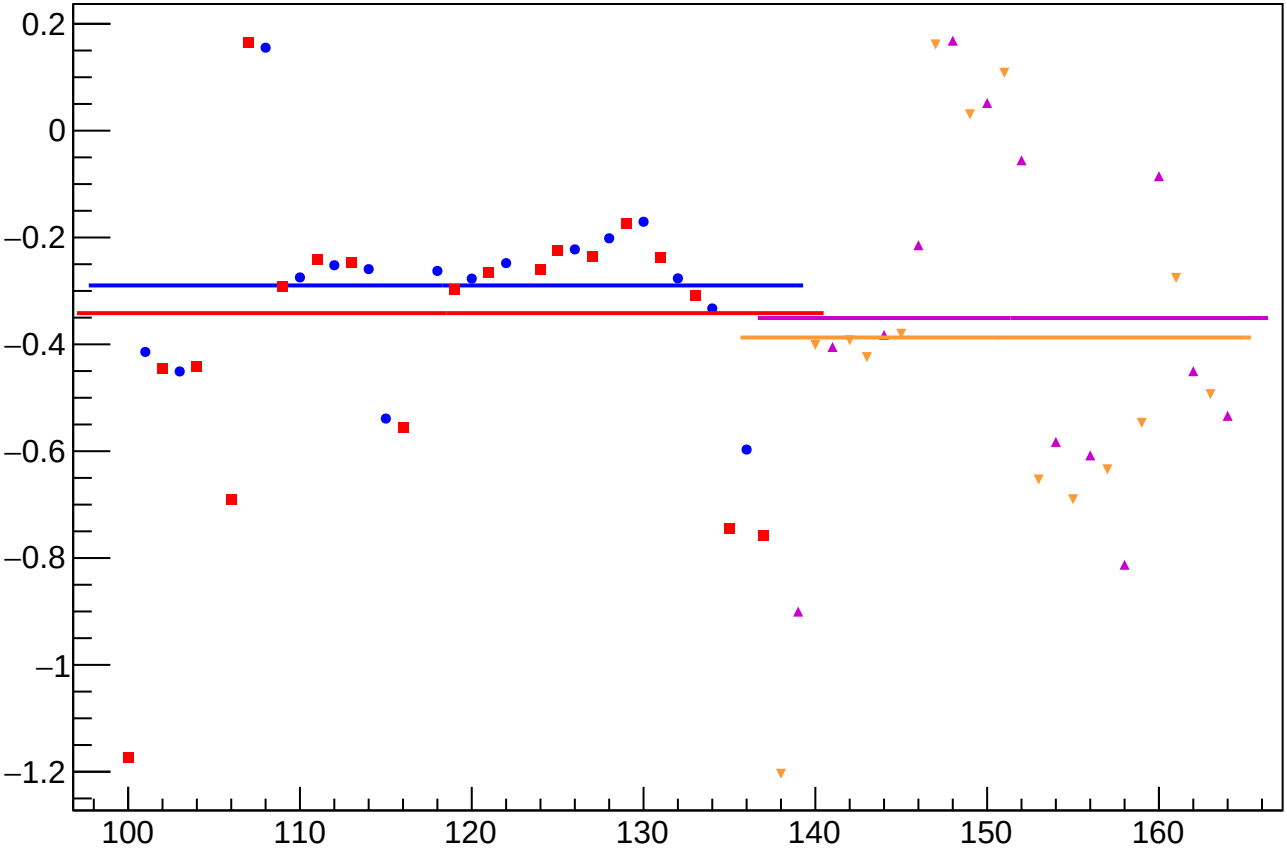
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:425834.3/28

Out: 0.003+/-0.000 χ^2/NDF:403411.5/32

All: 0.003+/-0.000 χ^2/NDF: 830210.9/61

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.387+/-0.000 χ^2/NDF:7034130200.6/13

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.351+/-0.000 χ^2/NDF:5824857362.3/12

Left: -0.369+/-0.000 χ^2/NDF: 12897487821.1/26

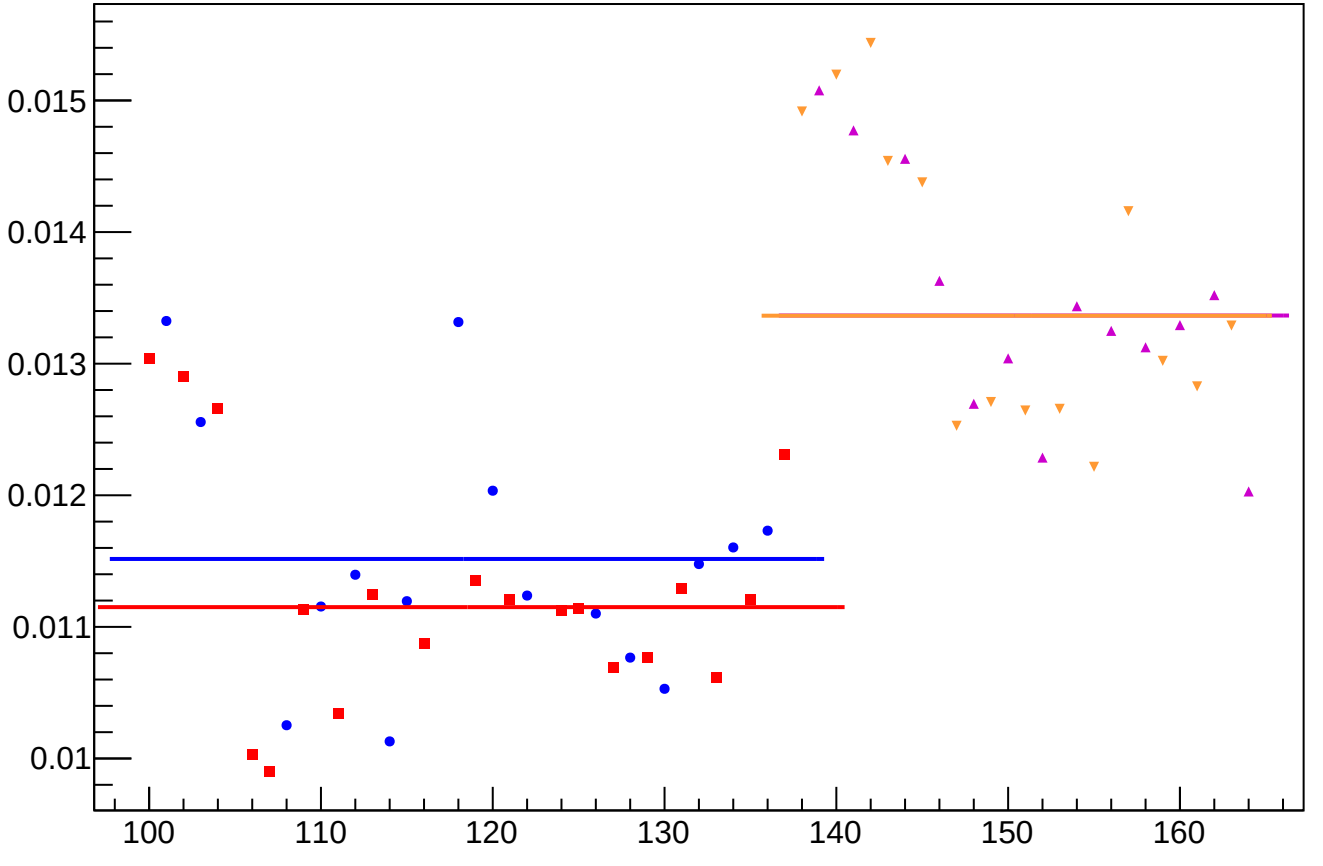
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.322+/-0.000 χ^2/NDF:7571819645.3/28

Out: -0.364+/-0.000 χ^2/NDF:9704123738.4/32

All: -0.344+/-0.000 χ^2/NDF: 17378897819.4/

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:113311.9/13

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:80707.0/12

Left: 0.013+/-0.000 χ^2/NDF: 194019.0/26

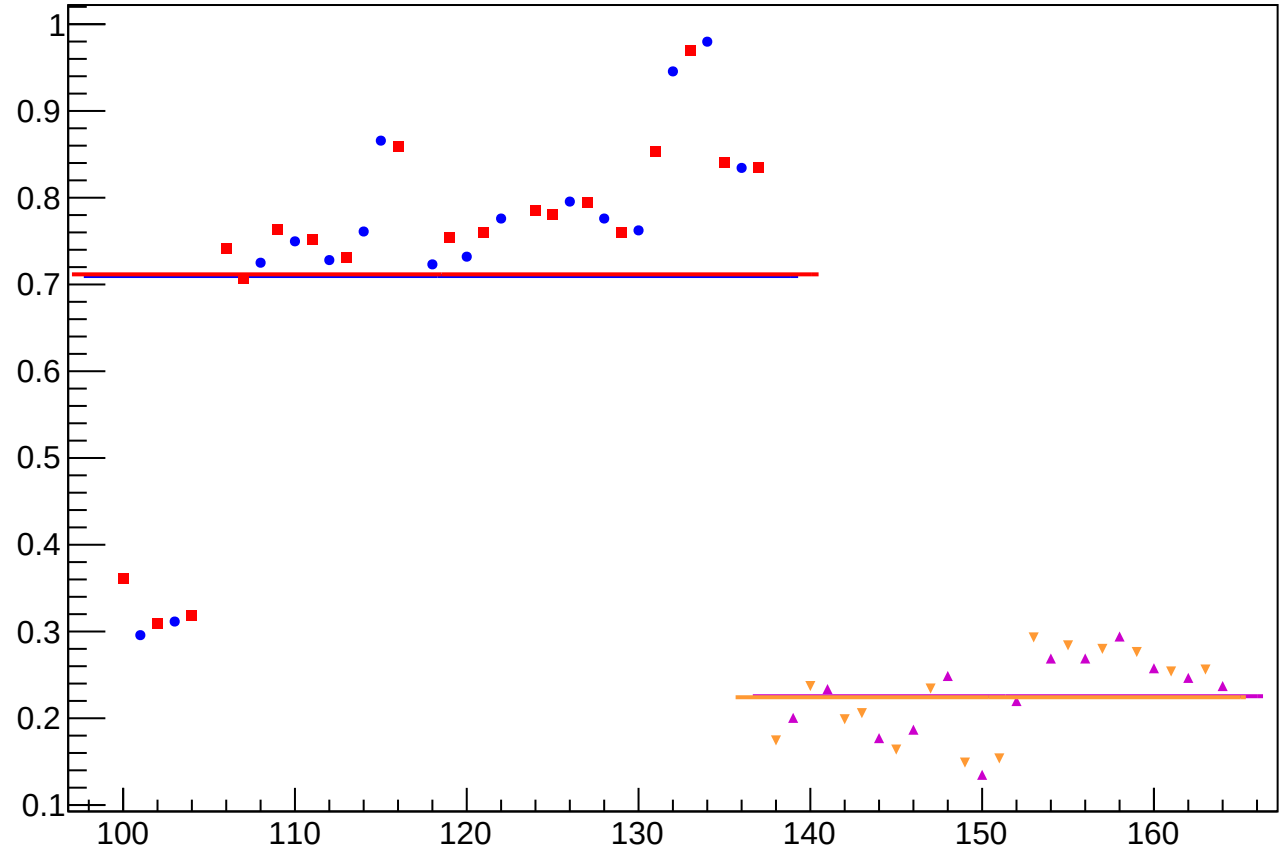
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:352072.6/28

Out: 0.012+/-0.000 χ^2/NDF:470256.6/32

All: 0.012+/-0.000 χ^2/NDF: 828205.5/61

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.224+/-0.000 χ^2/NDF:5496805599.6/13

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.225+/-0.000 χ^2/NDF:4223844476.3/12

Left: 0.225+/-0.000 χ^2/NDF: 9722250853.5/26

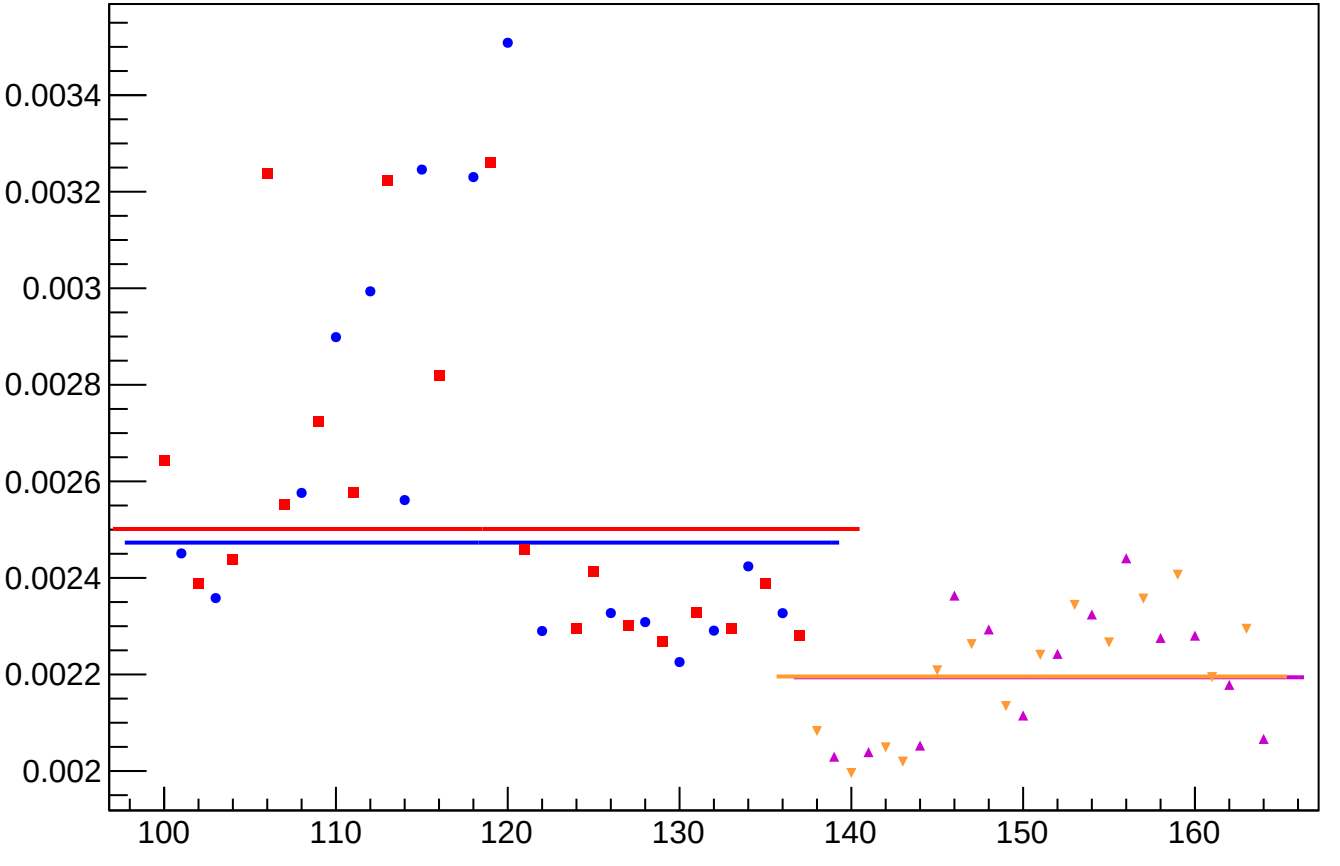
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.386+/-0.000 χ^2/NDF:227895568293.1/28

Out: 0.385+/-0.000 χ^2/NDF:228758289403.7/32

All: 0.385+/-0.000 χ^2/NDF: 456656210466.1

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:73601.4/13

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:76473.4/12

Left: 0.002+/-0.000 χ^2/NDF: 150080.7/26

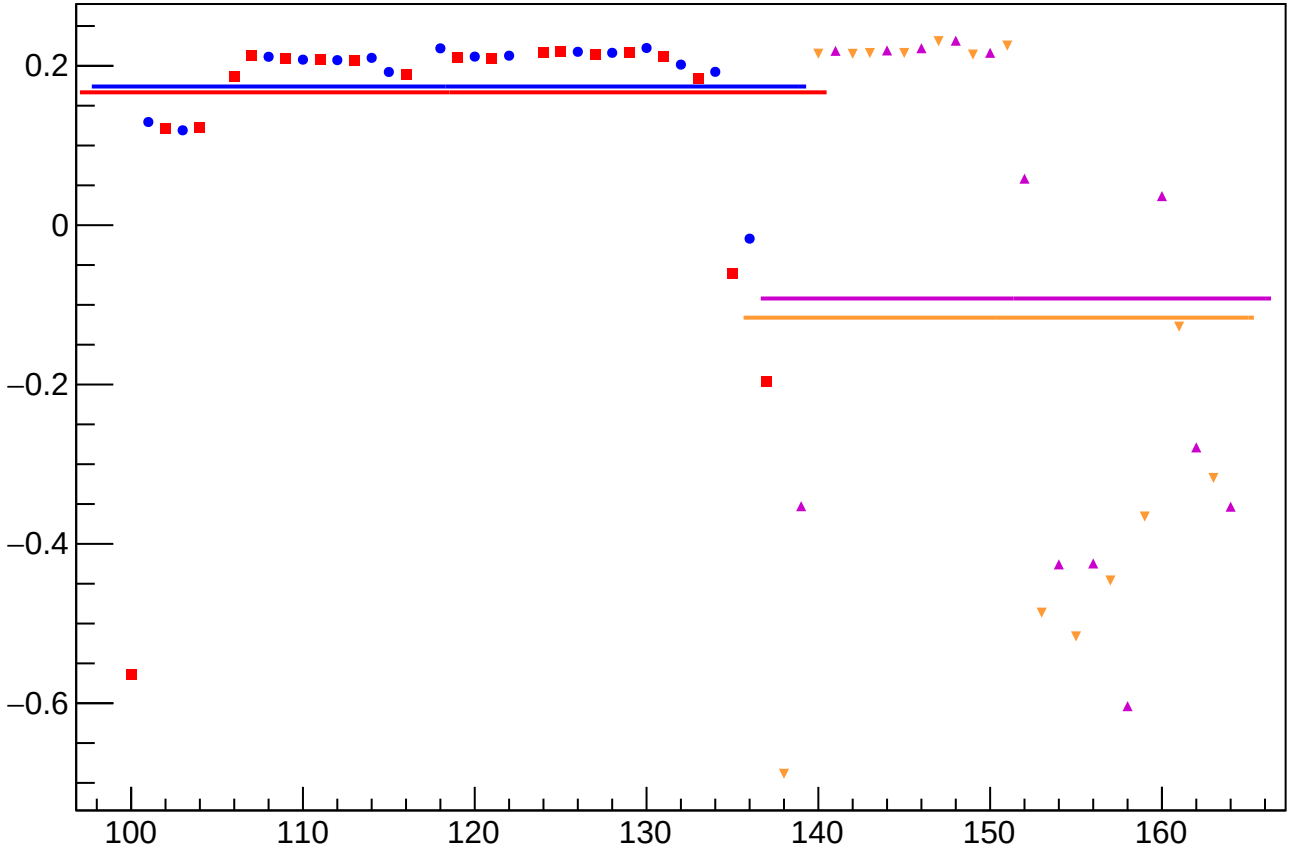
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:400488.3/28

Out: 0.002+/-0.000 χ^2/NDF:391791.6/32

All: 0.002+/-0.000 χ^2/NDF: 792604.6/61

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.116+/-0.000 χ^2/NDF:7995627402.2/13

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: -0.092+/-0.000 χ^2/NDF:6491491859.5/12

Left: -0.104+/-0.000 χ^2/NDF: 14507603507.0/26

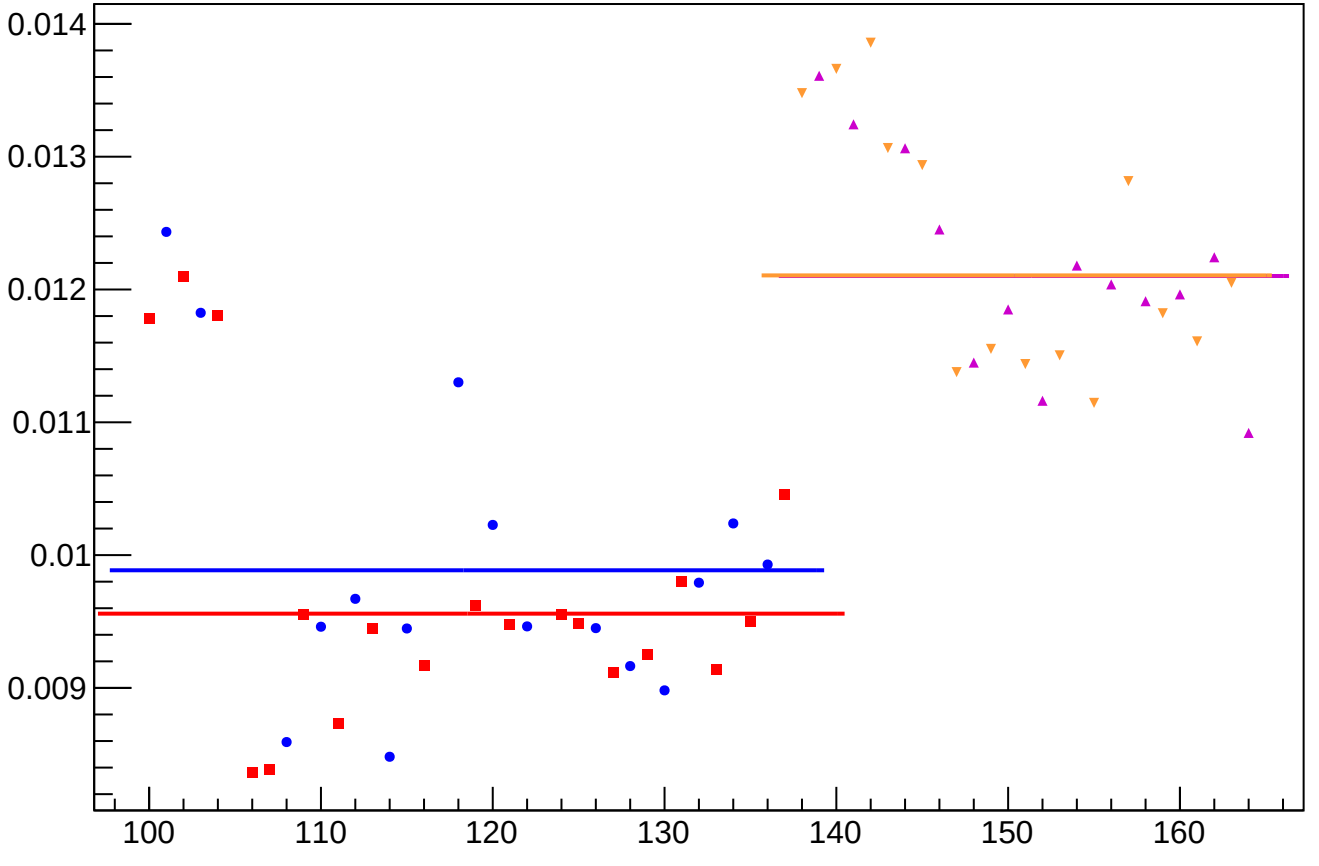
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.041+/-0.000 χ^2/NDF:9380116860.5/28

Out: 0.032+/-0.000 χ^2/NDF:11887783202.8/32

All: 0.036+/-0.000 χ^2/NDF: 21273382139.5/6

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:101954.8/13

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:74399.9/12

Left: 0.012+/-0.000 χ^2/NDF: 176356.1/26

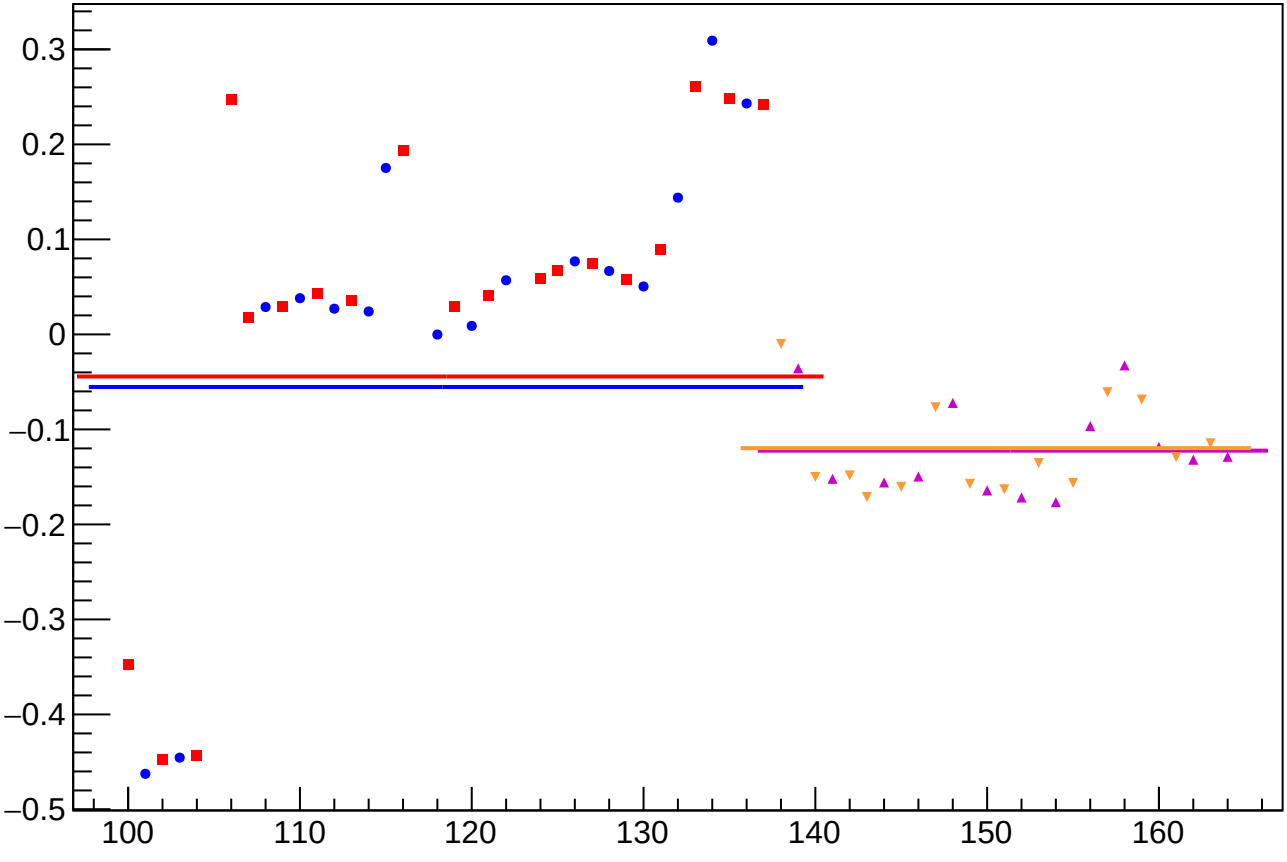
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:567881.9/28

Out: 0.011+/-0.000 χ^2/NDF:724544.1/32

All: 0.011+/-0.000 χ^2/NDF: 1299705.5/61

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.120+/-0.000 χ^2/NDF:2710685750.2/13

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.122+/-0.000 χ^2/NDF:2738486736.5/12

Left: -0.121+/-0.000 χ^2/NDF: 5453329973.9/26

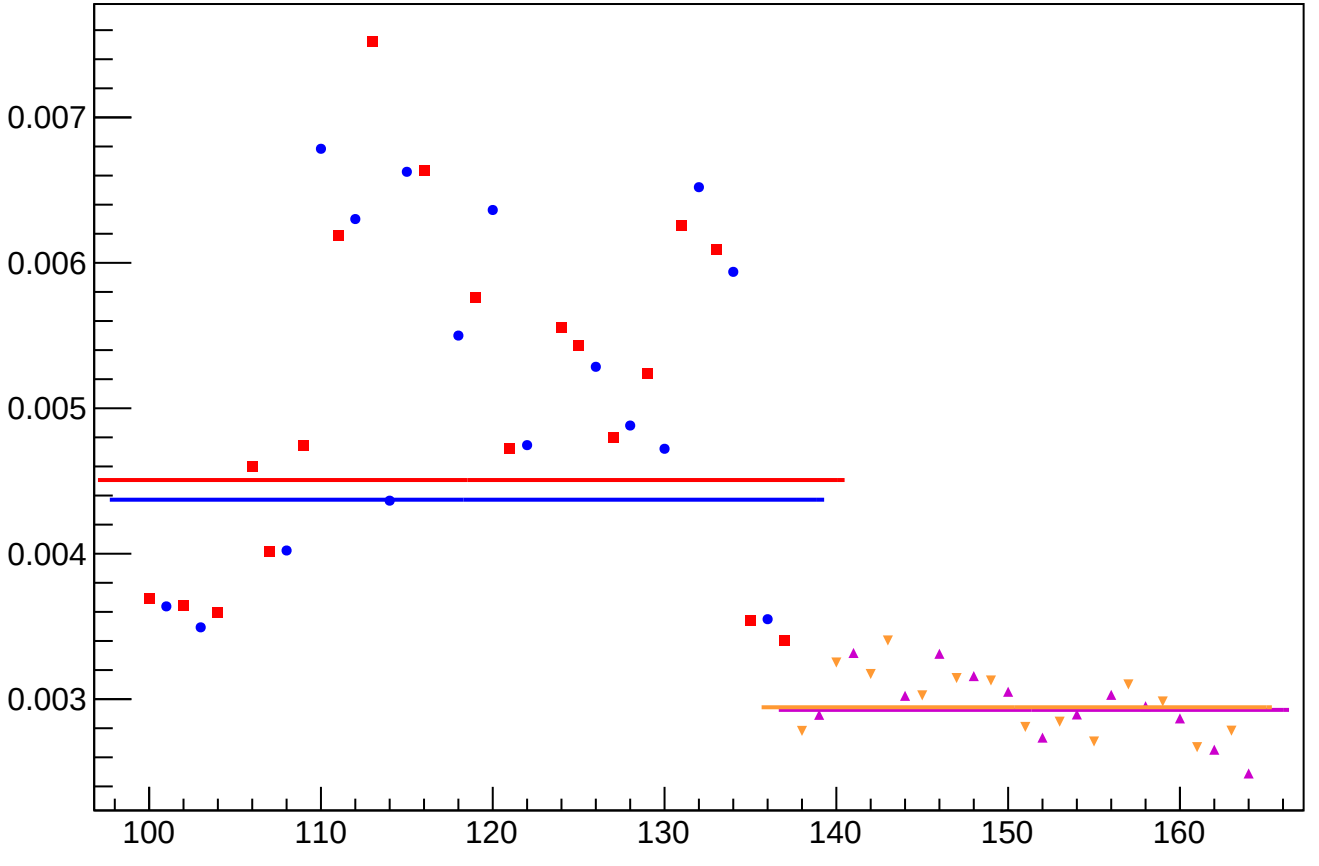
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.108+/-0.000 χ^2/NDF:27954228413.7/28

Out: -0.104+/-0.000 χ^2/NDF:26269570944.5/32

All: -0.106+/-0.000 χ^2/NDF: 54236669820.5/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:106396.9/13

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:121296.2/12

Left: 0.003+/-0.000 χ^2/NDF: 228084.4/26

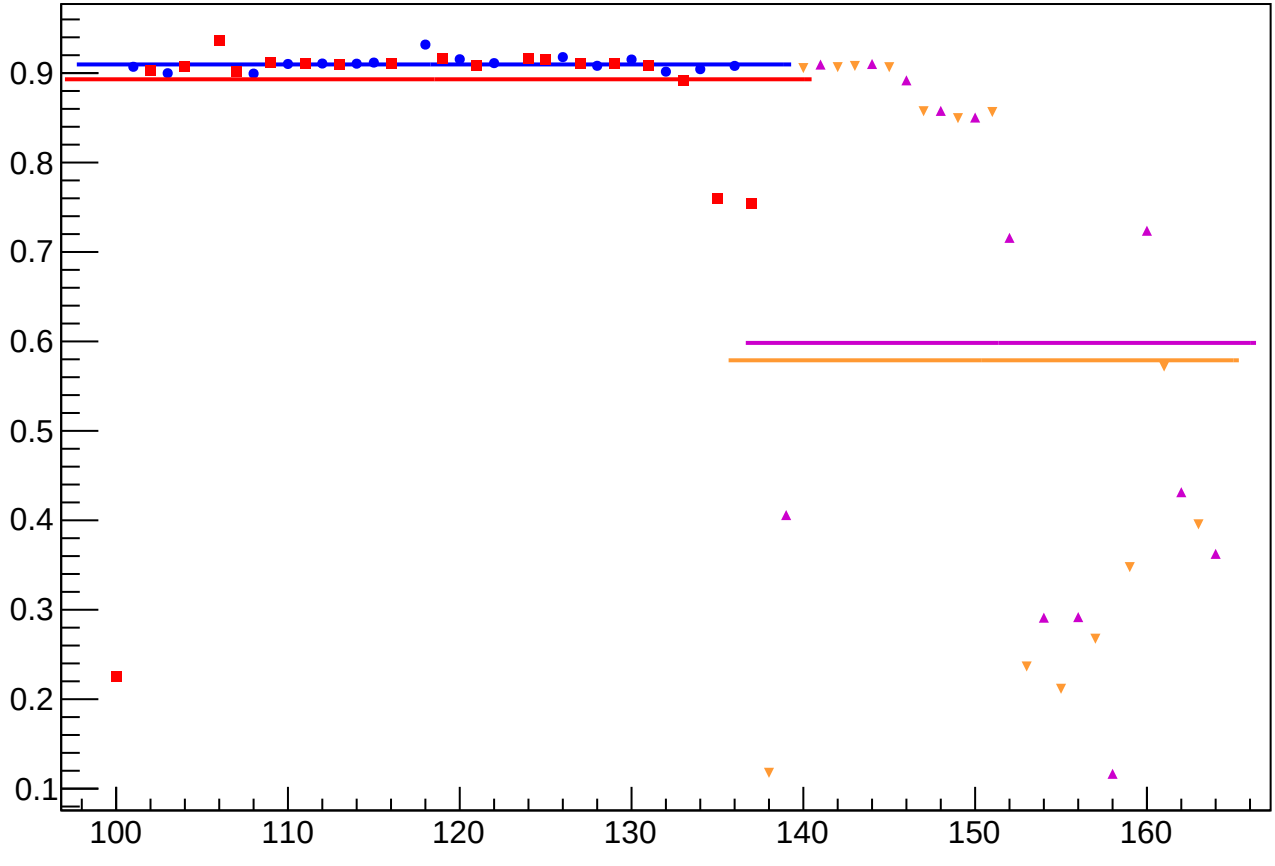
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:1836509.2/28

Out: 0.003+/-0.000 χ^2/NDF:2031753.8/32

All: 0.003+/-0.000 χ^2/NDF: 3870327.3/61

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.579+/-0.000 χ^2/NDF:6770116060.5/13

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.598+/-0.000 χ^2/NDF:5703541805.9/12

Left: 0.589+/-0.000 χ^2/NDF: 12487893402.3/26

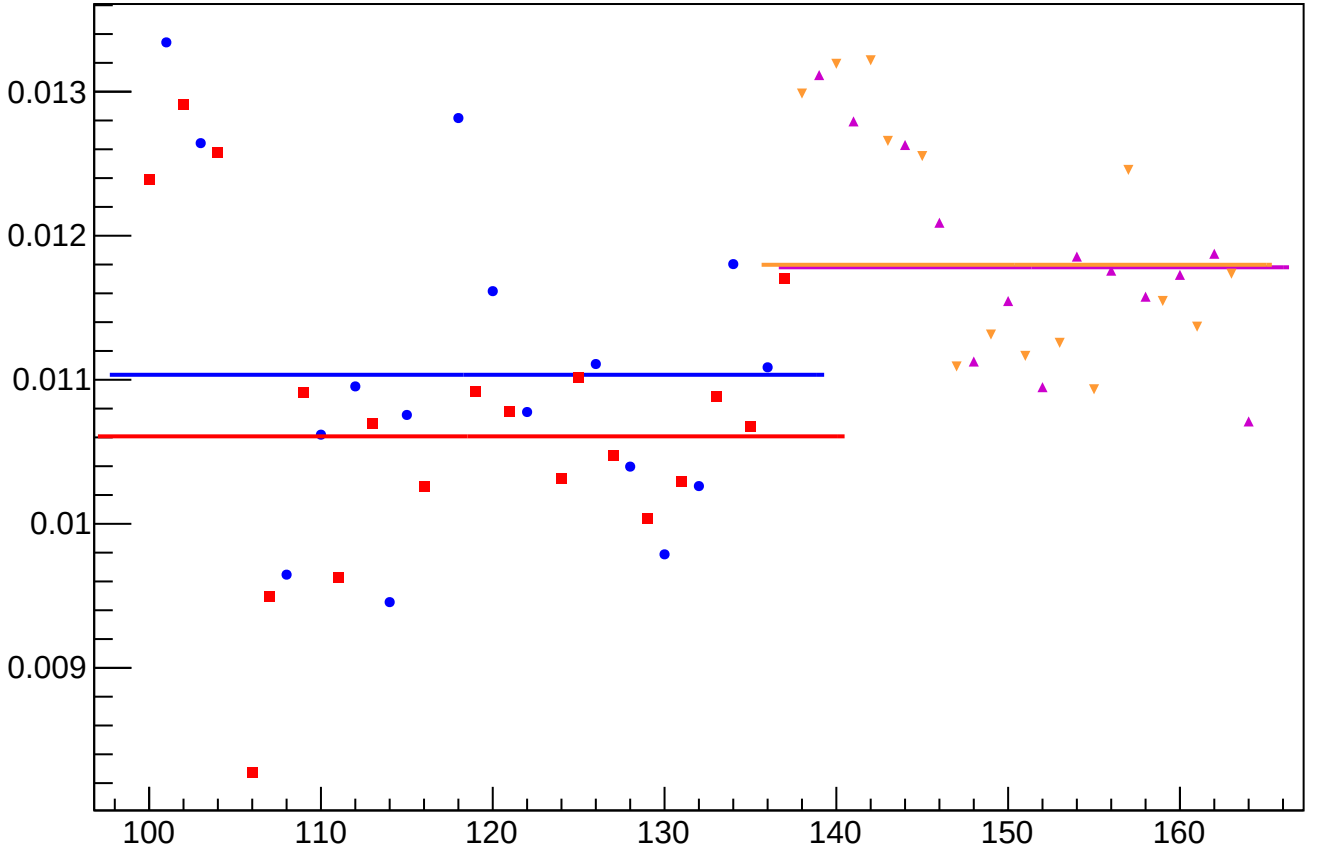
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.732+/-0.000 χ^2/NDF:8822344258.5/28

Out: 0.723+/-0.000 χ^2/NDF:10525605429.7/32

All: 0.727+/-0.000 χ^2/NDF: 19354084853.7/6

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:86796.9/13

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:64071.1/12

Left: 0.012+/-0.000 χ^2/NDF: 150890.9/26

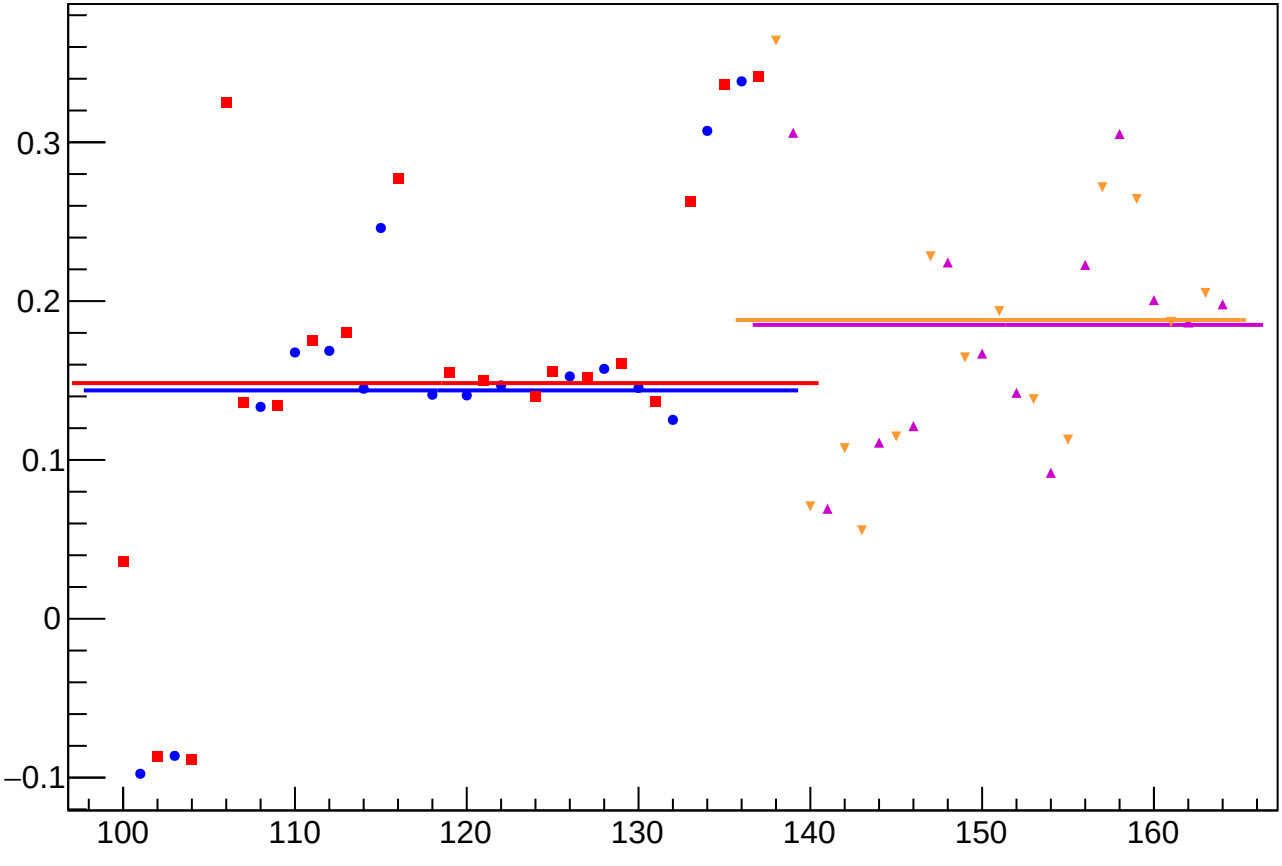
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:230223.4/28

Out: 0.011+/-0.000 χ^2/NDF:329261.5/32

All: 0.011+/-0.000 χ^2/NDF: 565275.1/61

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.188+/-0.000 χ^2/NDF:5867066837.4/13

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.185+/-0.000 χ^2/NDF:4403906918.7/12

Left: 0.187+/-0.000 χ^2/NDF: 10275381725.7/26

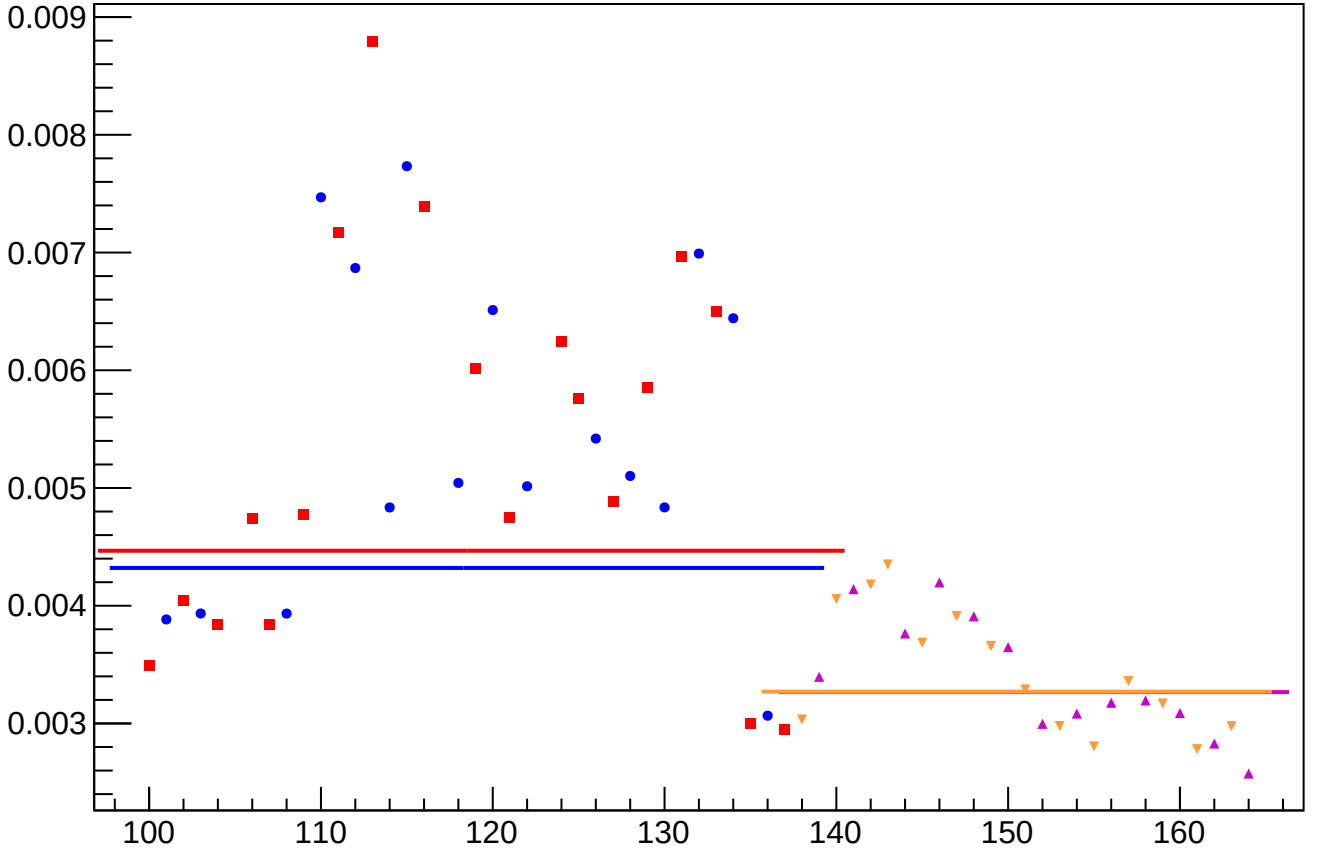
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.175+/-0.000 χ^2/NDF:12663610535.9/28

Out: 0.179+/-0.000 χ^2/NDF:13352672981.1/32

All: 0.177+/-0.000 χ^2/NDF: 26025217050.6/6

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:386638.9/13

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:379257.5/12

Left: 0.003+/-0.000 χ^2/NDF: 765912.8/26

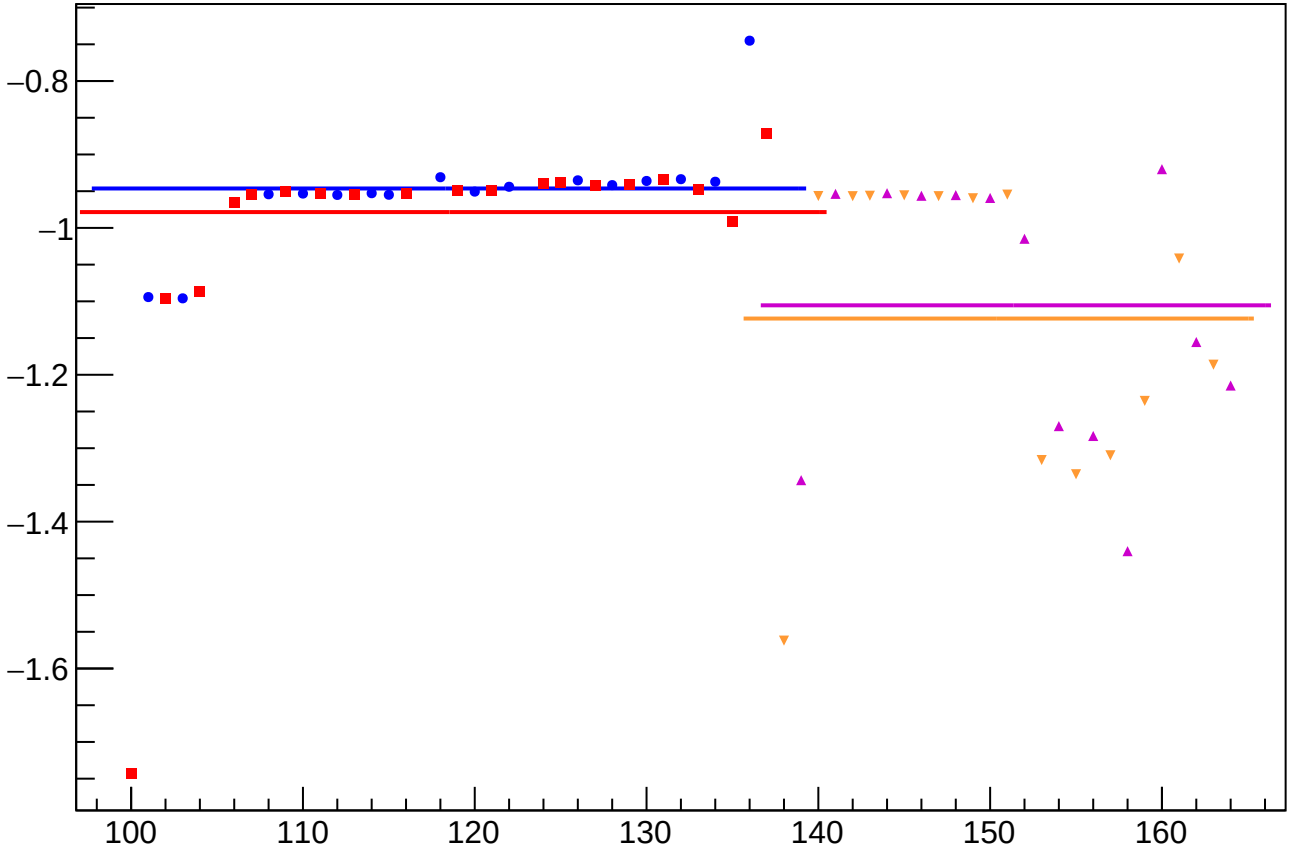
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:1770409.1/28

Out: 0.004+/-0.000 χ^2/NDF:2120191.6/32

All: 0.004+/-0.000 χ^2/NDF: 3891635.5/61

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.123+/-0.000 χ^2/NDF:3380702375.9/13

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.105+/-0.000 χ^2/NDF:2909341666.3/12

Left: -1.114+/-0.000 χ^2/NDF: 6305535157.1/26

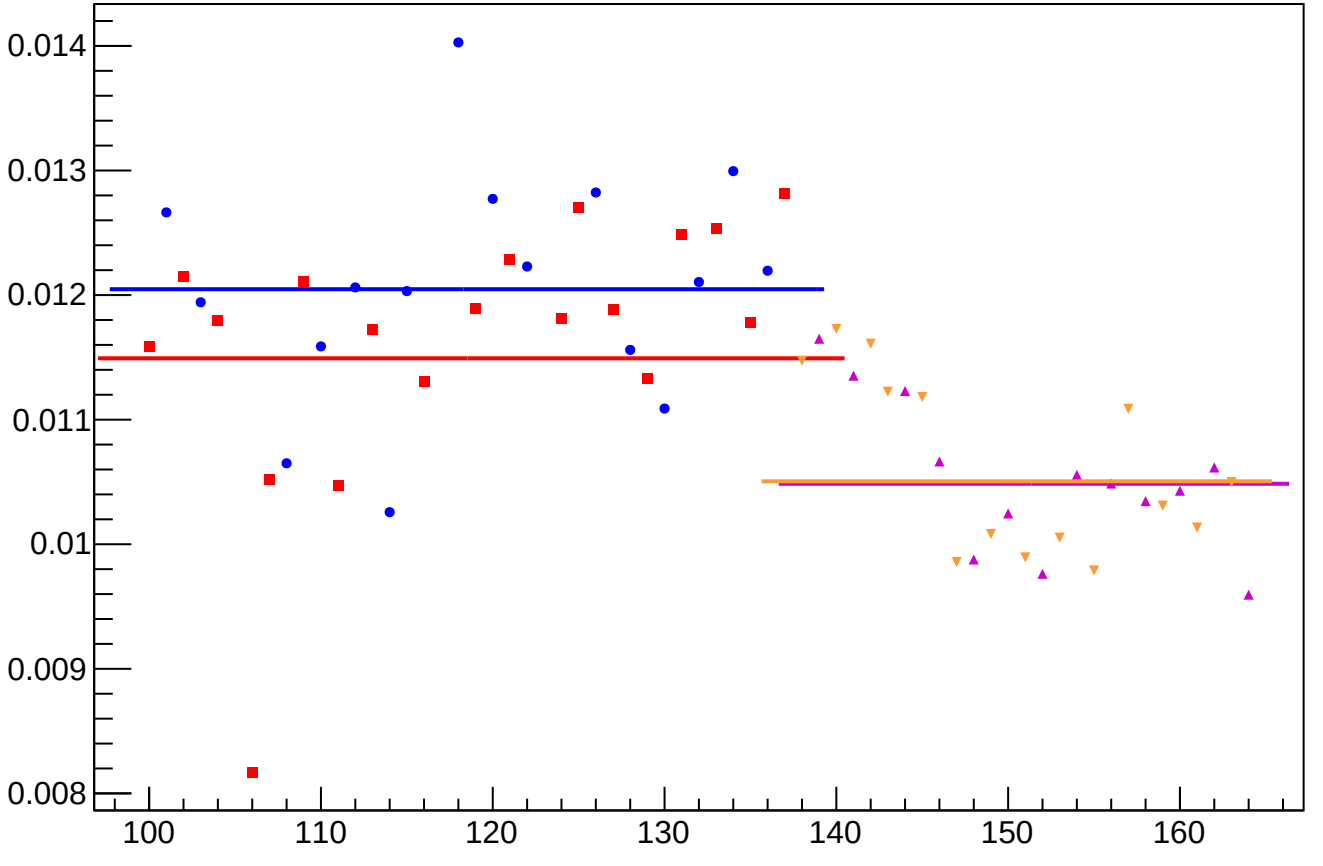
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.052+/-0.000 χ^2/NDF:4113522432.9/28

Out: -1.071+/-0.000 χ^2/NDF:4570539837.5/32

All: -1.062+/-0.000 χ^2/NDF: 8709610158.6/6

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:81283.6/13

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:60951.9/12

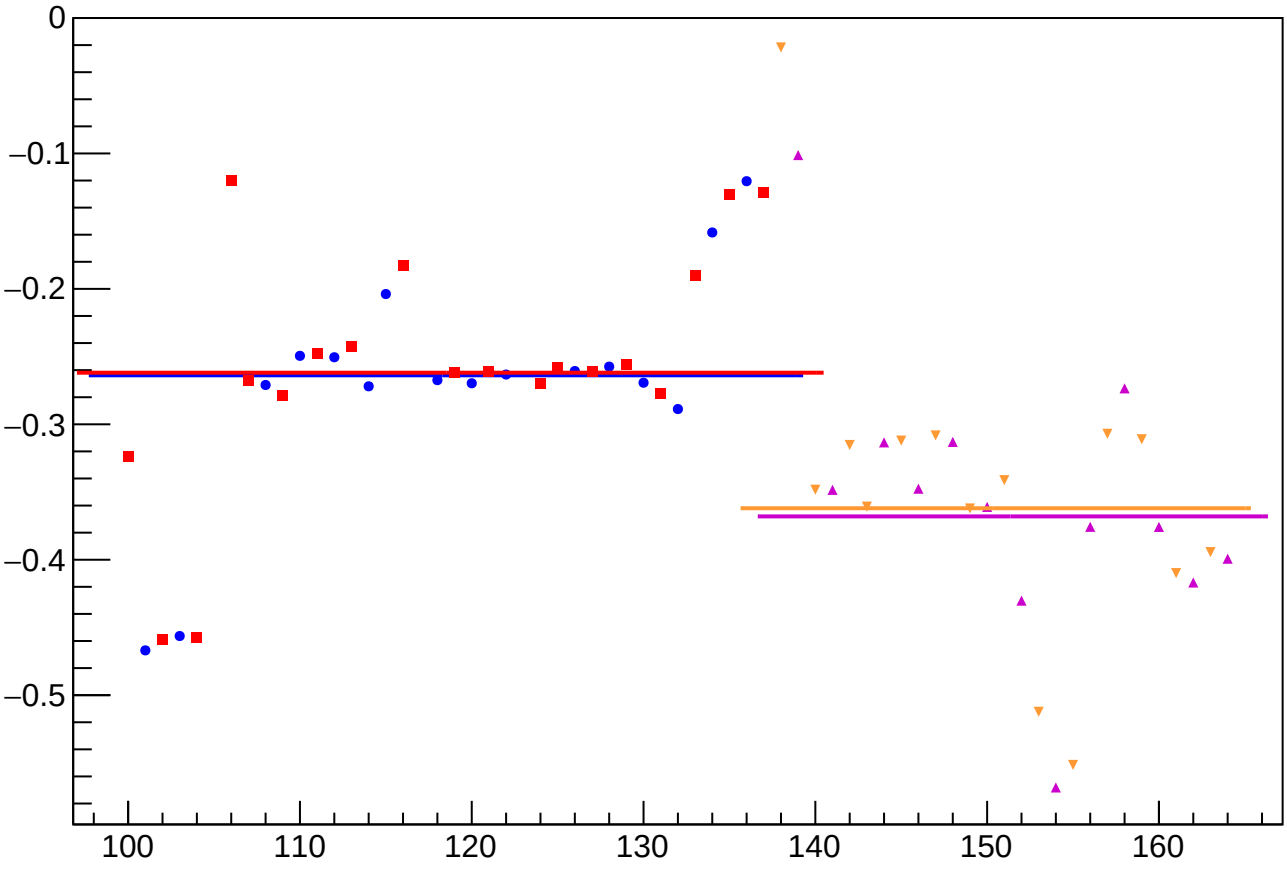
Left: 0.010+/-0.000 χ^2/NDF: 142273.3/26

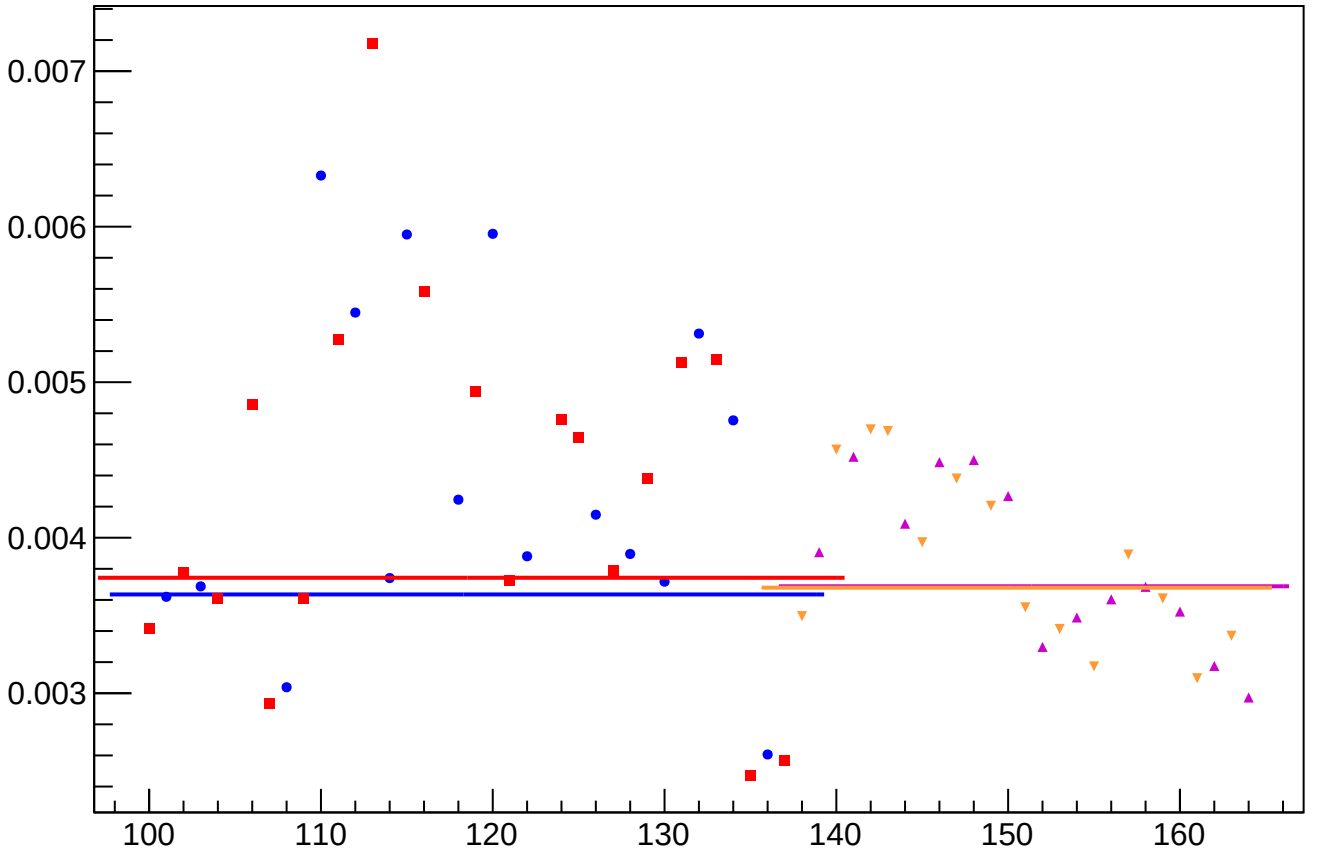
Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.011+/-0.000 χ^2/NDF:277512.1/28

Out: 0.011+/-0.000 χ^2/NDF:300190.2/32

All: 0.011+/-0.000 χ^2/NDF: 580730.9/61


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.362+/-0.000 χ²/NDF:11565591399.4/13
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.368+/-0.000 χ²/NDF:7543388795.1/12
Left: -0.365+/-0.000 χ²/NDF: 19122127484.1/26
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.328+/-0.000 χ²/NDF:16591750264.6/28
Out: -0.325+/-0.000 χ²/NDF:19530756643.0/32
All: -0.327+/-0.000 χ²/NDF: 36129556501.4/



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:348194.1/13

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:333822.8/12

Left: 0.004+/-0.000 χ^2/NDF: 682074.3/26

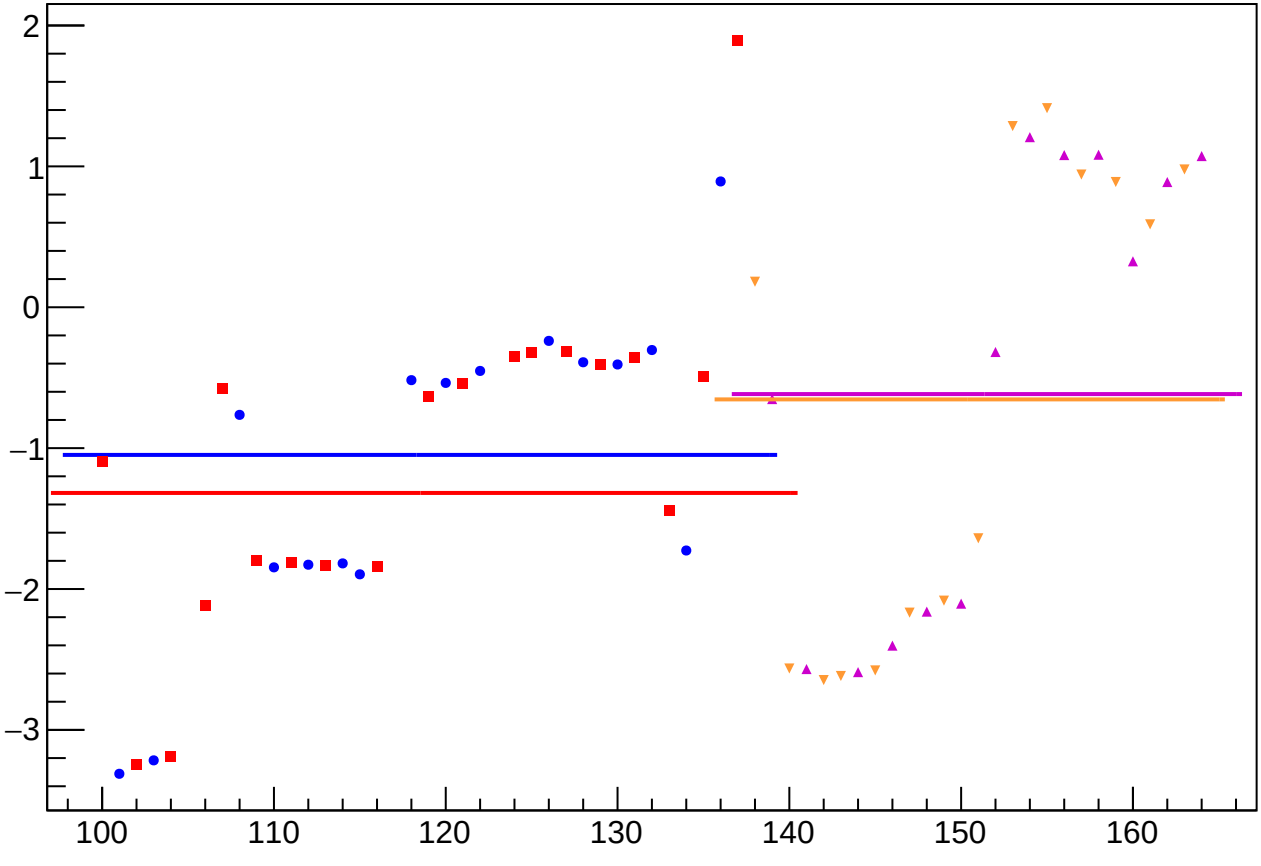
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:1063910.3/28

Out: 0.004+/-0.000 χ^2/NDF:1244586.2/32

All: 0.004+/-0.000 χ^2/NDF: 2309875.4/61

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.654+/-0.000 χ^2/NDF:5172778939.3/13

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.616+/-0.000 χ^2/NDF:4421241598.5/12

Left: -0.635+/-0.000 χ^2/NDF: 9595377146.9/26

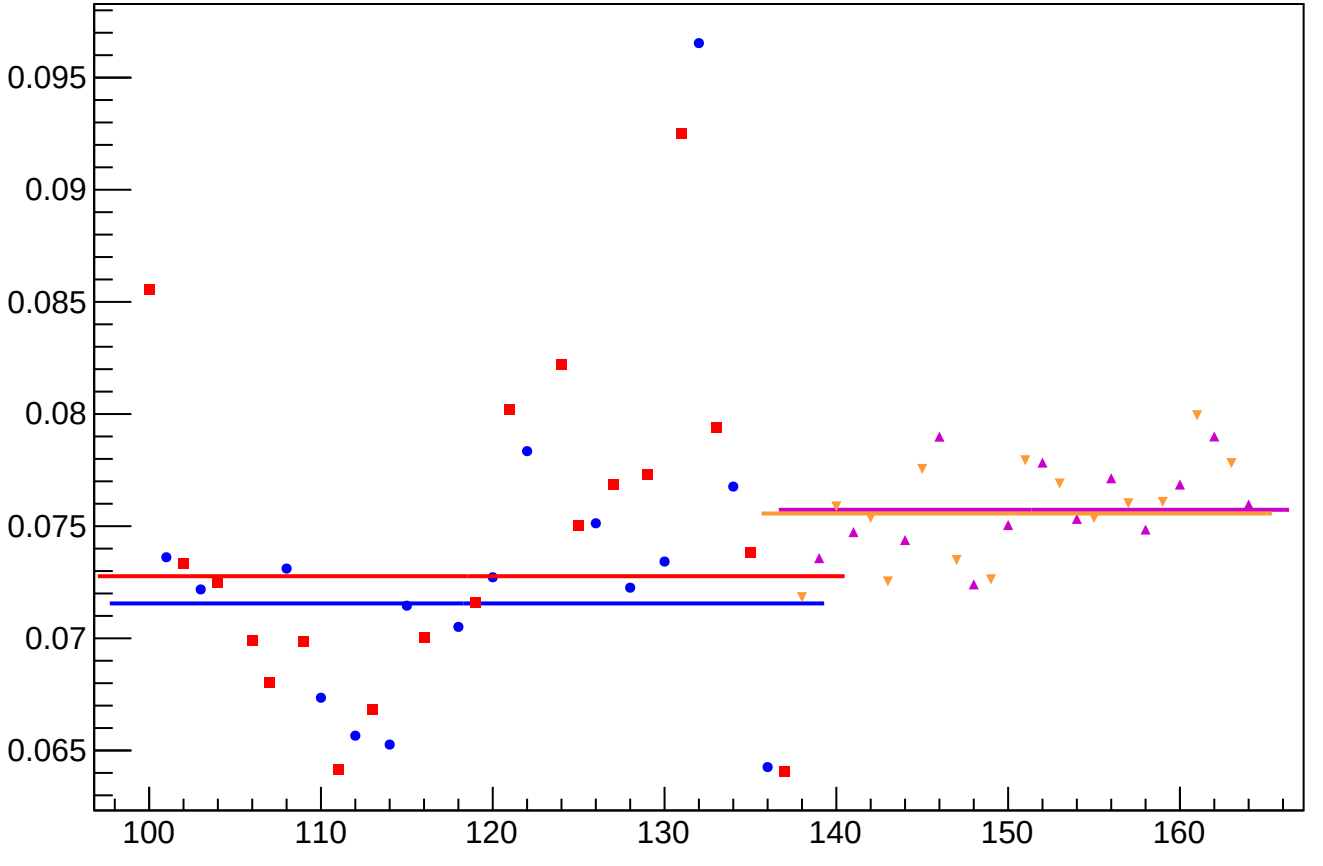
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -0.799+/-0.000 χ^2/NDF:6915704727.6/28

Out: -0.930+/-0.000 χ^2/NDF:7373945195.5/32

All: -0.865+/-0.000 χ^2/NDF: 14317930140.7/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.076+/-0.000 χ^2/NDF:20452.6/13

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.076+/-0.000 χ^2/NDF:13892.3/12

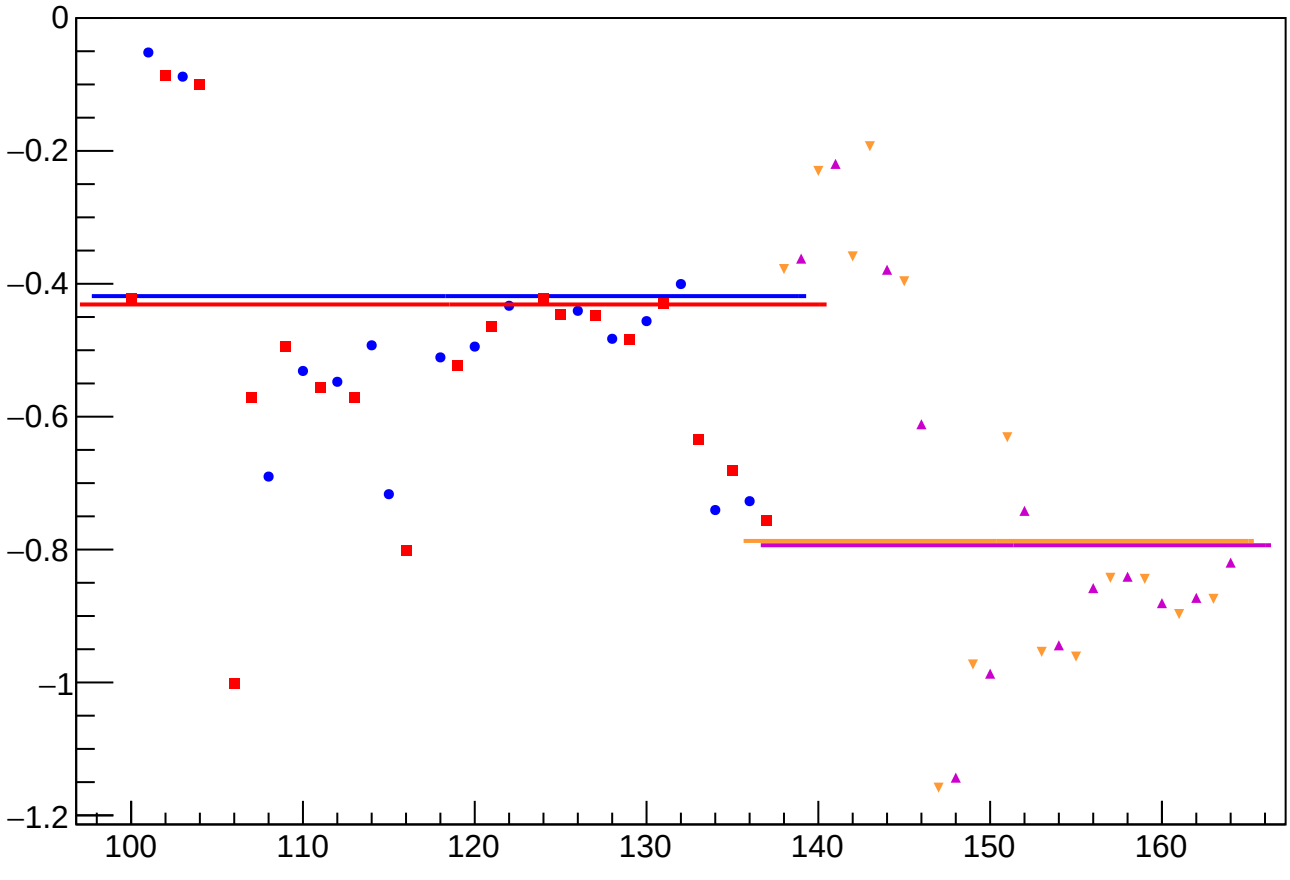
Left: 0.076+/-0.000 χ^2/NDF: 34396.0/26

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:142683.6/28

Out: 0.074+/-0.000 χ^2/NDF:129859.2/32

All: 0.074+/-0.000 χ^2/NDF: 273164.7/61



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.787+/-0.000 χ^2/NDF:13819446380.6/13

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.793+/-0.000 χ^2/NDF:10432432838.5/12

Left: -0.790+/-0.000 χ^2/NDF: 24256596589.4/26

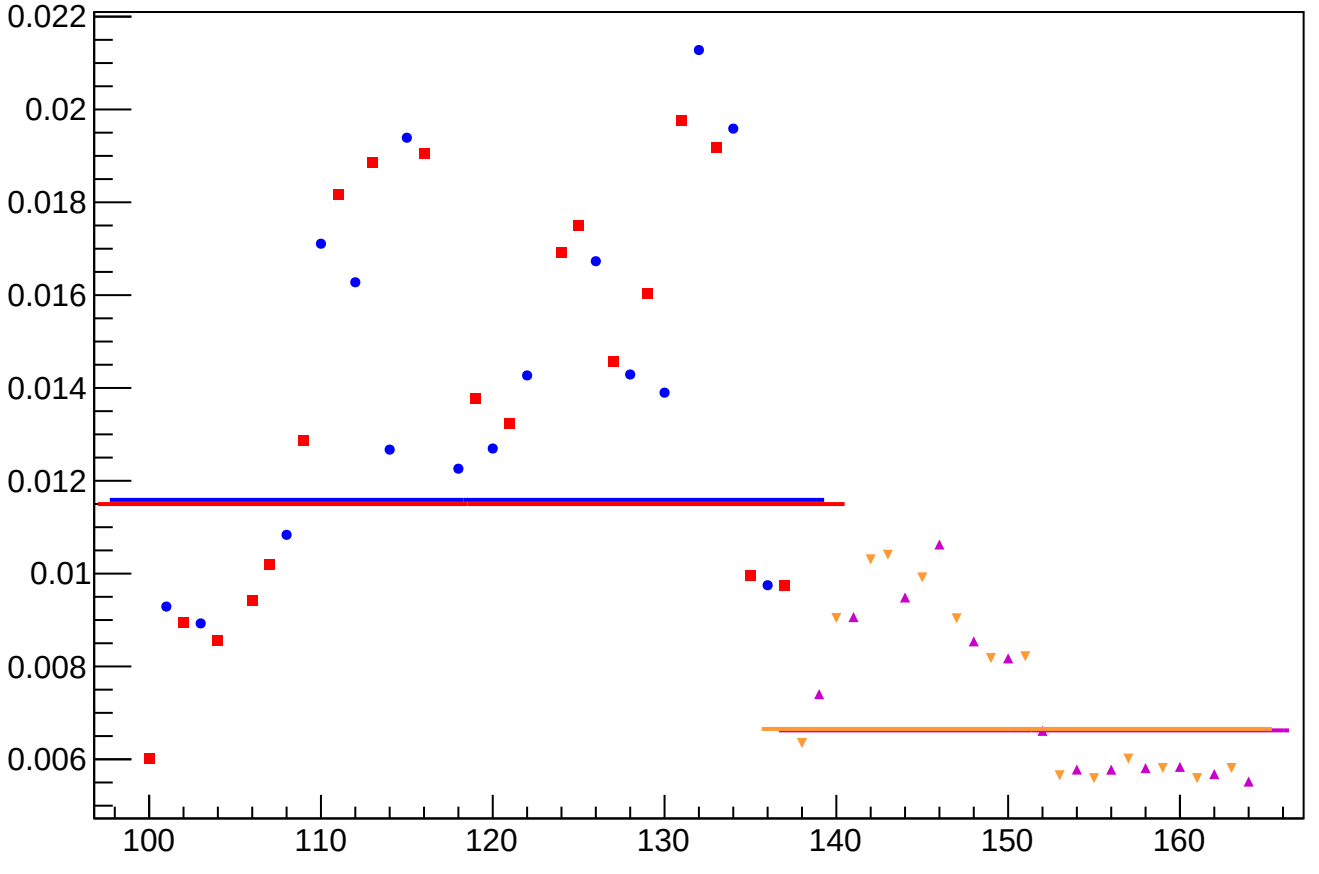
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.732+/-0.000 χ^2/NDF:18713014334.8/28

Out: -0.727+/-0.000 χ^2/NDF:21803165468.7/32

All: -0.729+/-0.000 χ^2/NDF: 40518765045.1/

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:1014862.3/13

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:853398.1/12

Left: 0.007+/-0.000 χ^2/NDF: 1868477.3/26

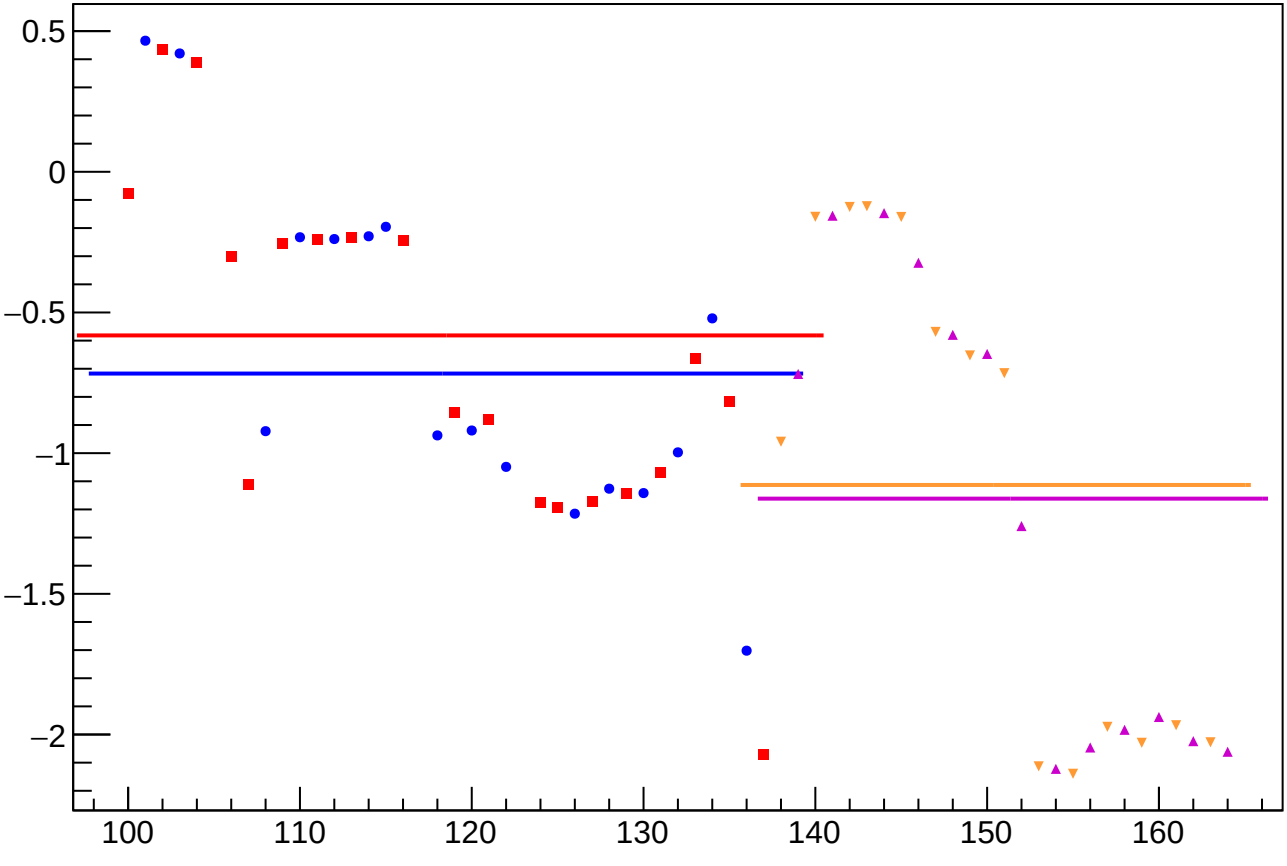
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3467153.2/28

Out: 0.007+/-0.000 χ^2/NDF:3953724.9/32

All: 0.007+/-0.000 χ^2/NDF: 7421050.0/61

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.113+/-0.000 χ^2/NDF:1011290351.9/13

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.162+/-0.000 χ^2/NDF:903677600.4/12

Left: -1.137+/-0.000 χ^2/NDF: 1916711224.2/26

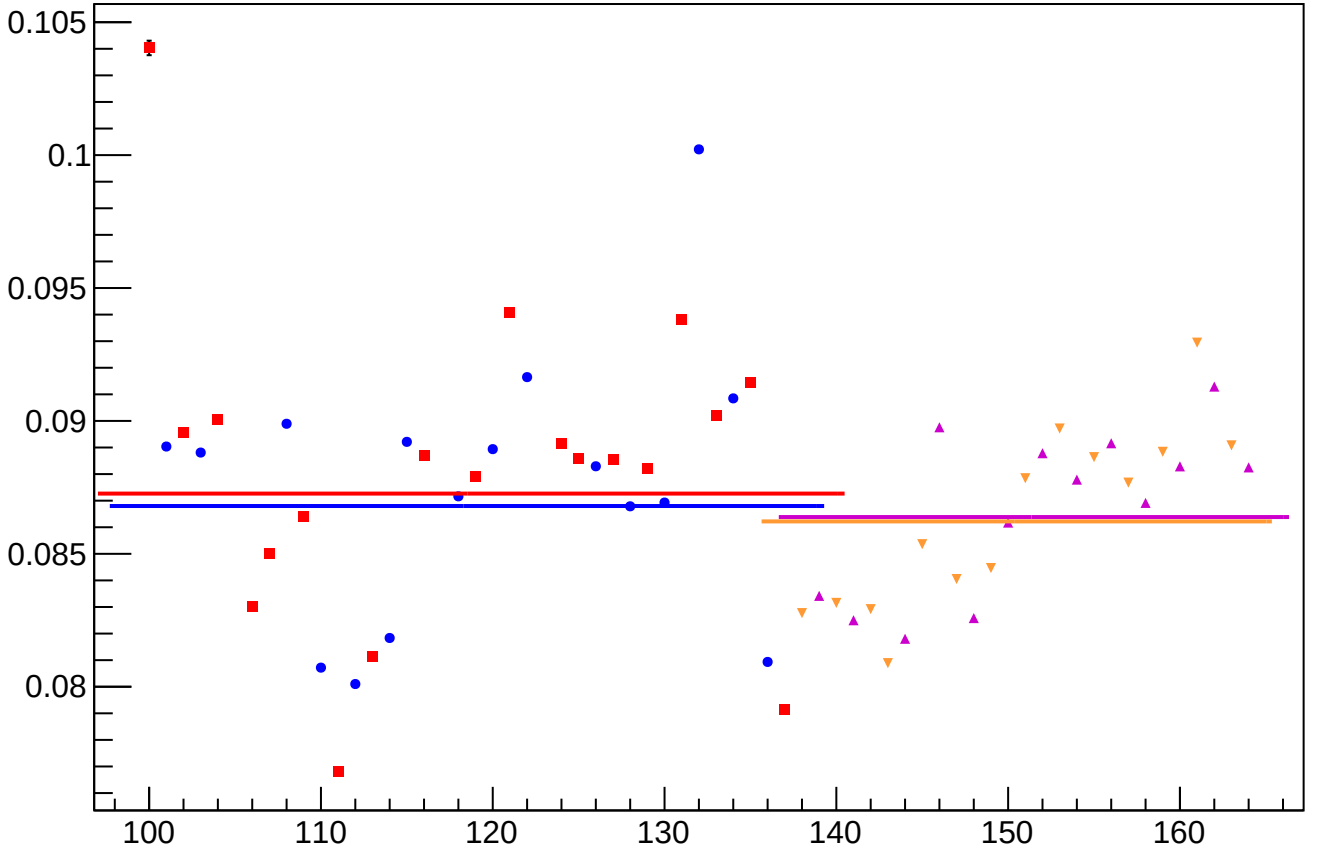
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.986+/-0.000 χ^2/NDF:1454854728.2/28

Out: -0.903+/-0.000 χ^2/NDF:1520388710.7/32

All: -0.944+/-0.000 χ^2/NDF: 2983609782.8/6

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:31815.6/13

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.086+/-0.000 χ^2/NDF:26898.5/12

Left: 0.086+/-0.000 χ^2/NDF: 58753.8/26

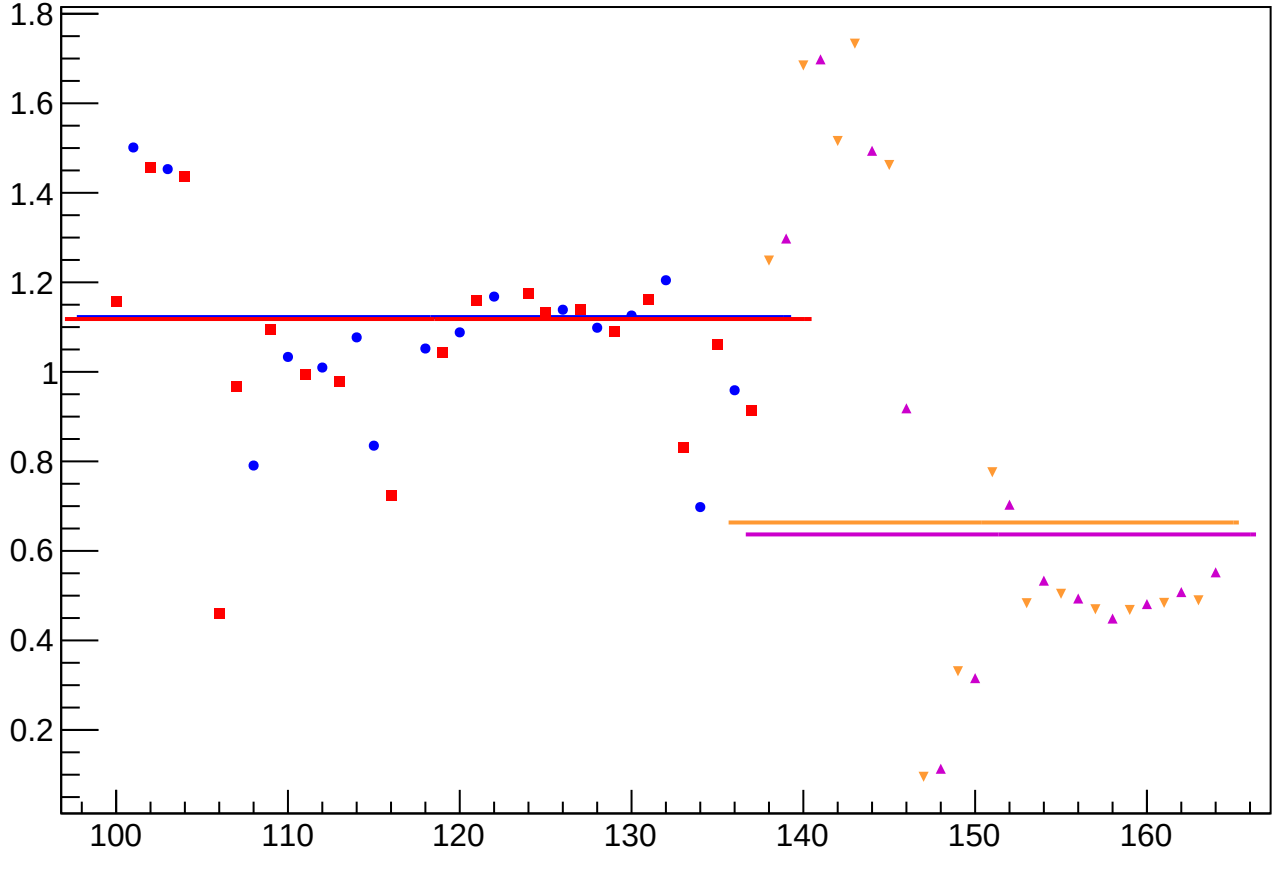
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.087+/-0.000 χ^2/NDF:70672.6/28

Out: 0.087+/-0.000 χ^2/NDF:79275.2/32

All: 0.087+/-0.000 χ^2/NDF: 149965.5/61

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.663+/-0.000 χ^2/NDF:27792092492.3/13

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.637+/-0.000 χ^2/NDF:21783941220.1/12

Left: 0.650+/-0.000 χ^2/NDF: 49633155704.8/26

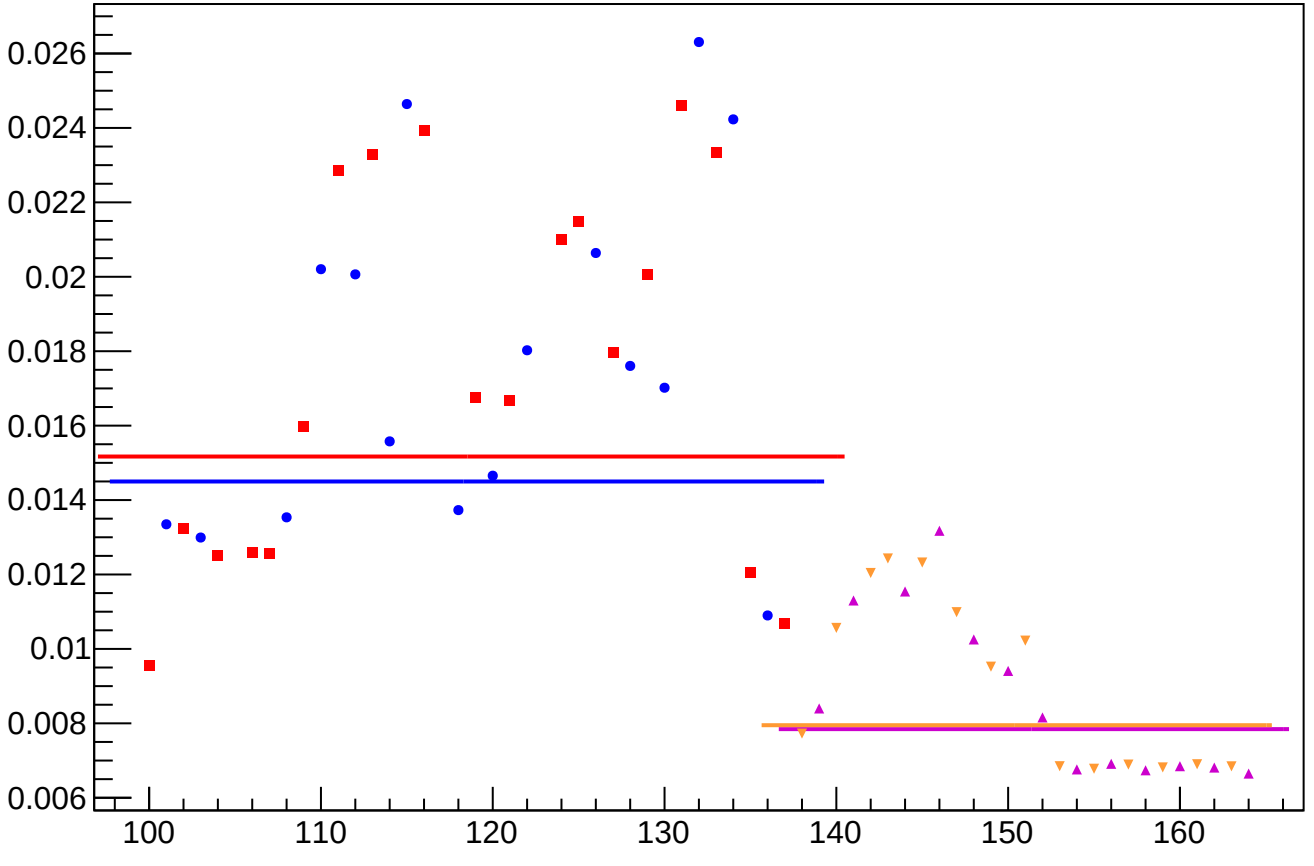
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.710+/-0.000 χ^2/NDF:28932238247.1/28

Out: 0.728+/-0.000 χ^2/NDF:34083025473.4/32

All: 0.719+/-0.000 χ^2/NDF: 63048973858.3/6

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1044688.7/13

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:932476.2/12

Left: 0.008+/-0.000 χ^2/NDF: 1978942.4/26

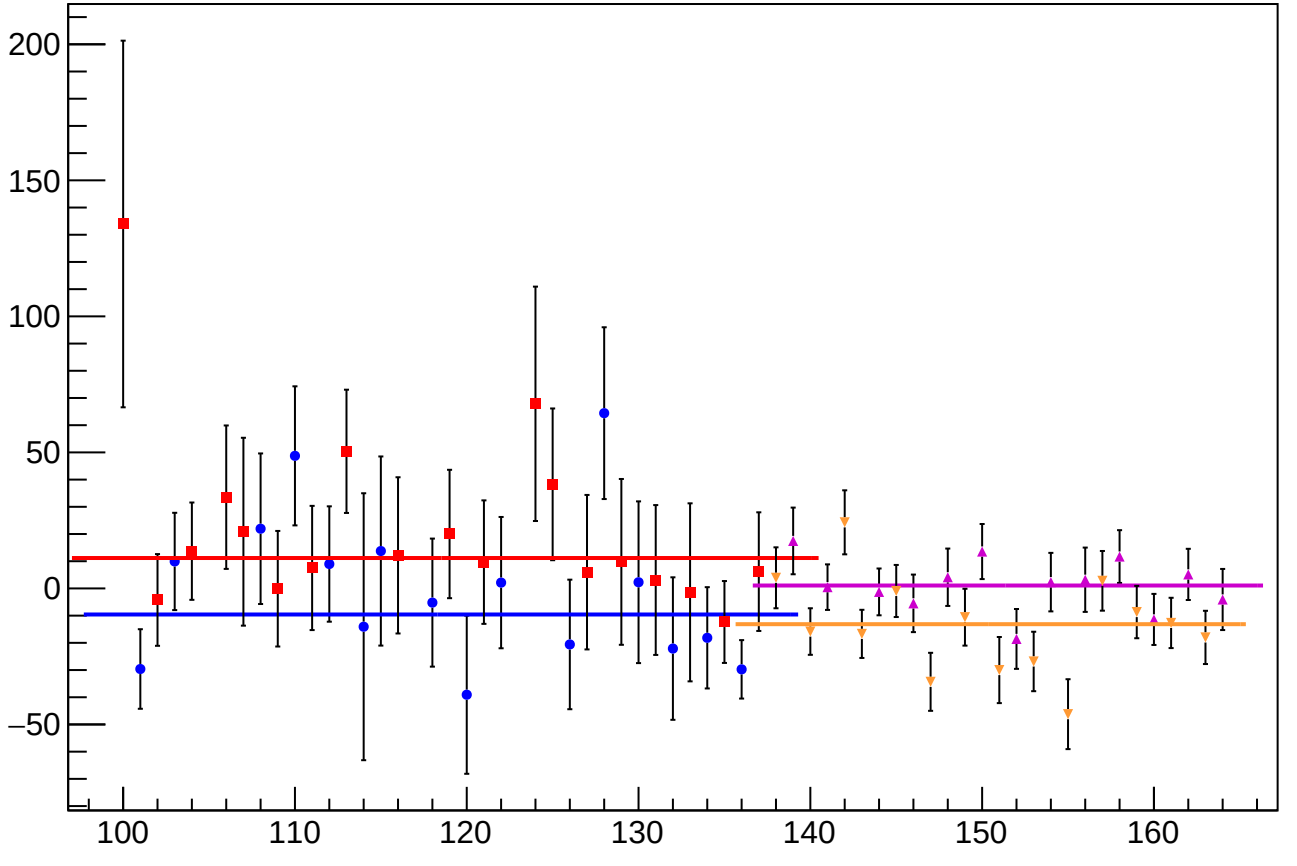
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3781408.4/28

Out: 0.009+/-0.000 χ^2/NDF:4291019.7/32

All: 0.009+/-0.000 χ^2/NDF: 8076152.4/61

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -13.143+/-2.742 χ^2/NDF:31.0/13

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 1.071+/-2.801 χ^2/NDF:10.5/12

Left: -6.187+/-1.960 χ^2/NDF: 54.6/26

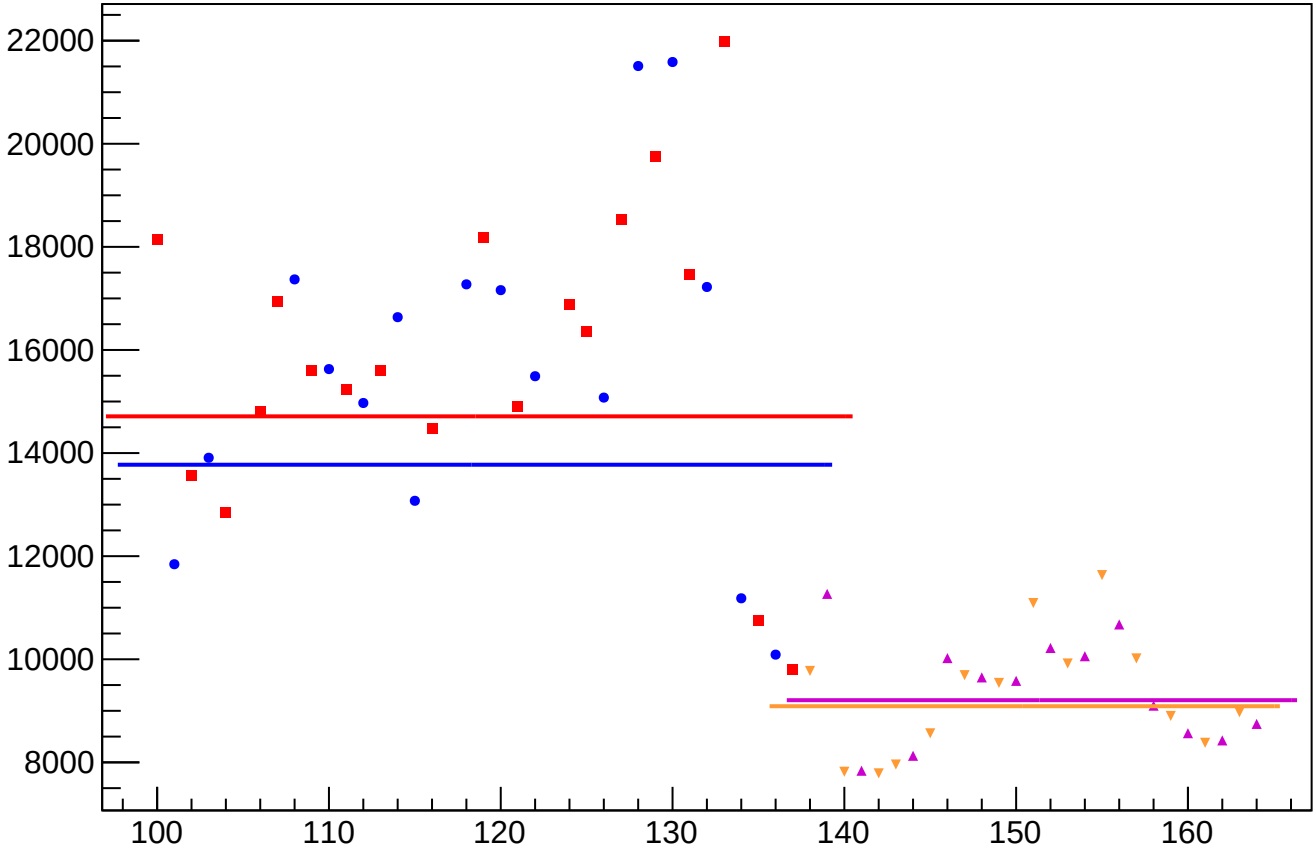
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -1.262+/-2.476 χ^2/NDF:35.5/28

Out: -8.297+/-2.454 χ^2/NDF:60.6/32

All: -4.810+/-1.743 χ^2/NDF: 100.2/61

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9089.275+/-1.939 χ^2/NDF:296220.8/13

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9206.230+/-1.981 χ^2/NDF:246812.2/12

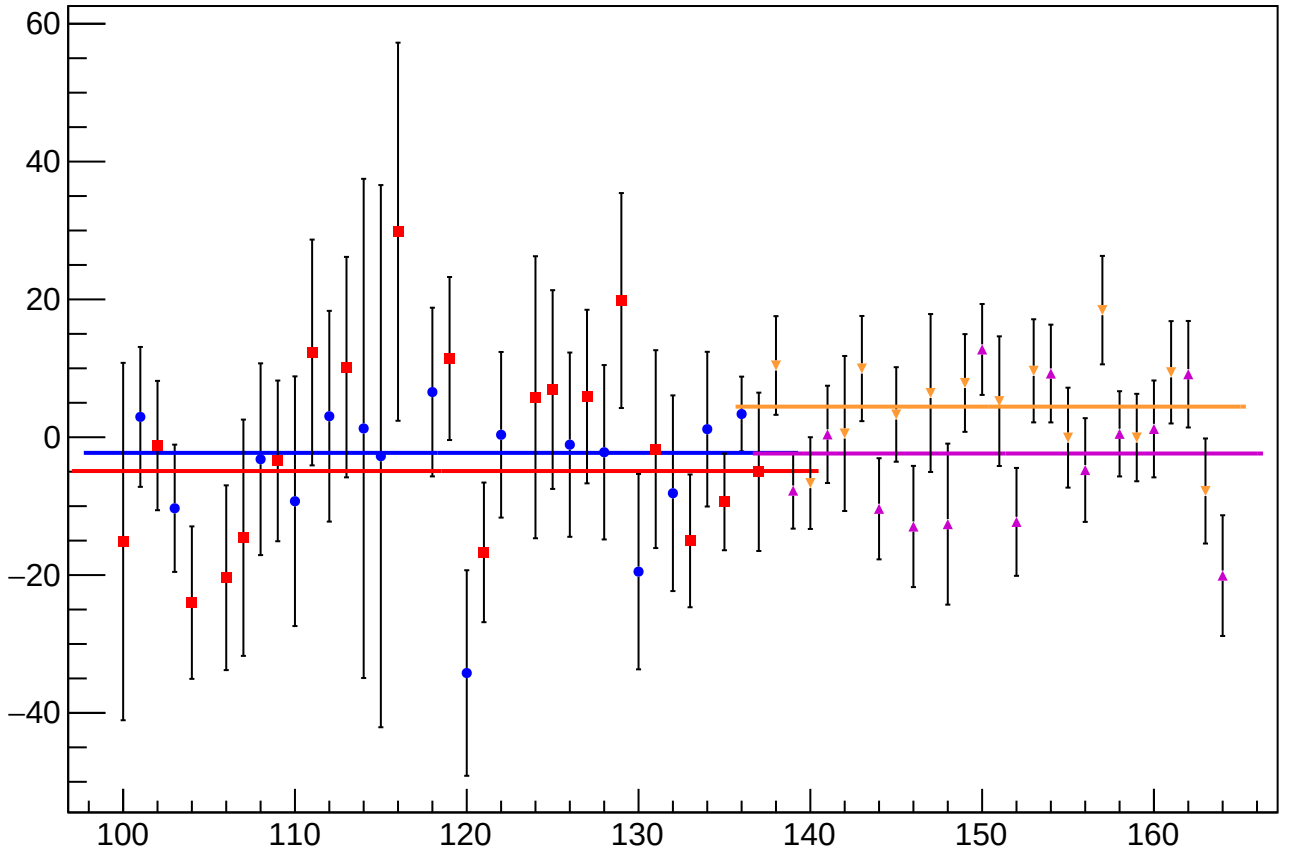
Left: 9146.509+/-1.386 χ^2/NDF: 544812.9/26

Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 10206.451+/-1.751 χ^2/NDF:2158673.5/28

Out: 10209.874+/-1.735 χ^2/NDF:2529054.1/32

All: 10208.178+/-1.232 χ^2/NDF: 4687729.4/6



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.441+/-2.039 χ^2/NDF:12.0/13

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -2.360+/-2.021 χ^2/NDF:20.9/12

Left: 1.011+/-1.436 χ^2/NDF: 38.5/26

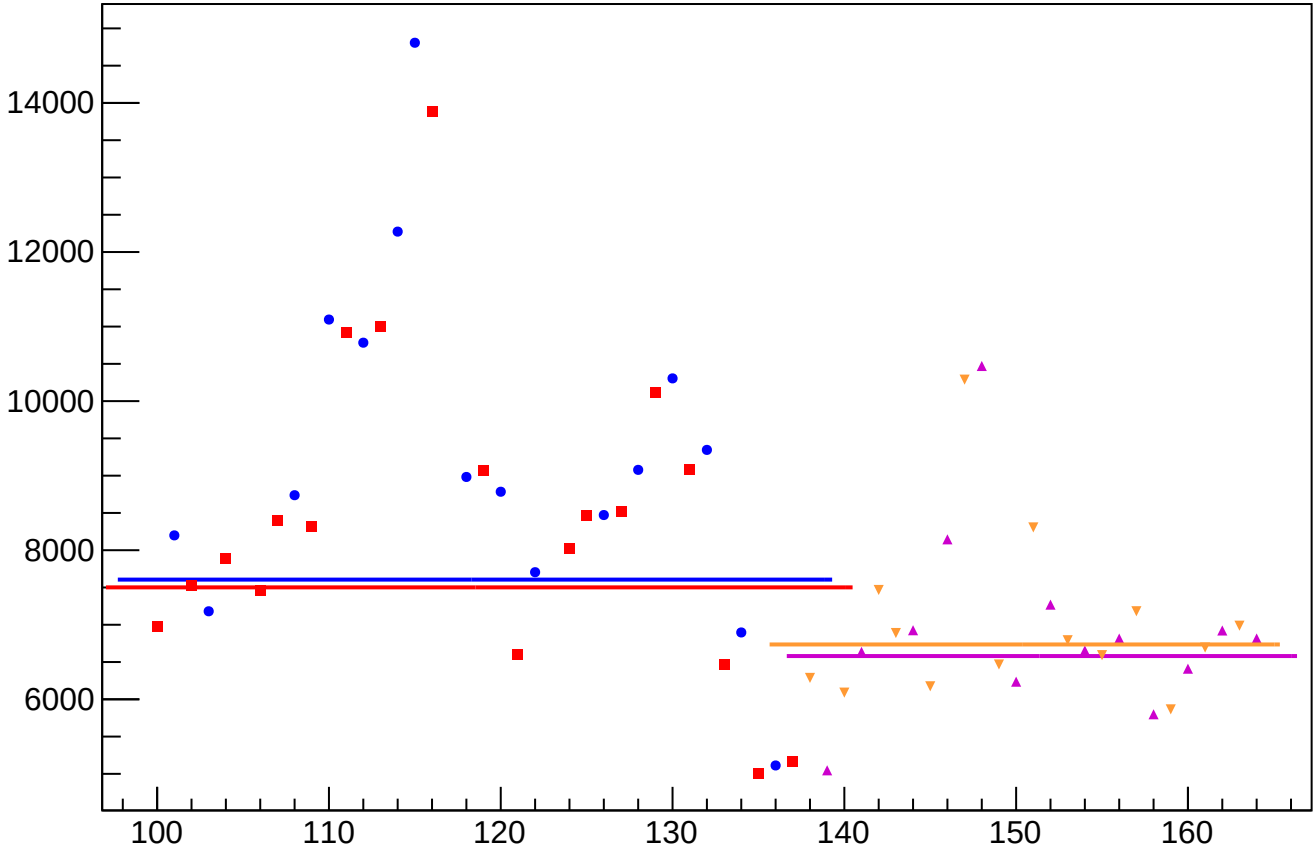
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -2.330+/-1.662 χ^2/NDF:30.2/28

Out: 1.256+/-1.656 χ^2/NDF:36.7/32

All: -0.530+/-1.173 χ^2/NDF: 69.3/61

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6735.678+/-1.442 χ^2/NDF:347406.8/13

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6580.178+/-1.429 χ^2/NDF:505602.1/12

Left: 6657.246+/-1.015 χ^2/NDF: 858874.3/26

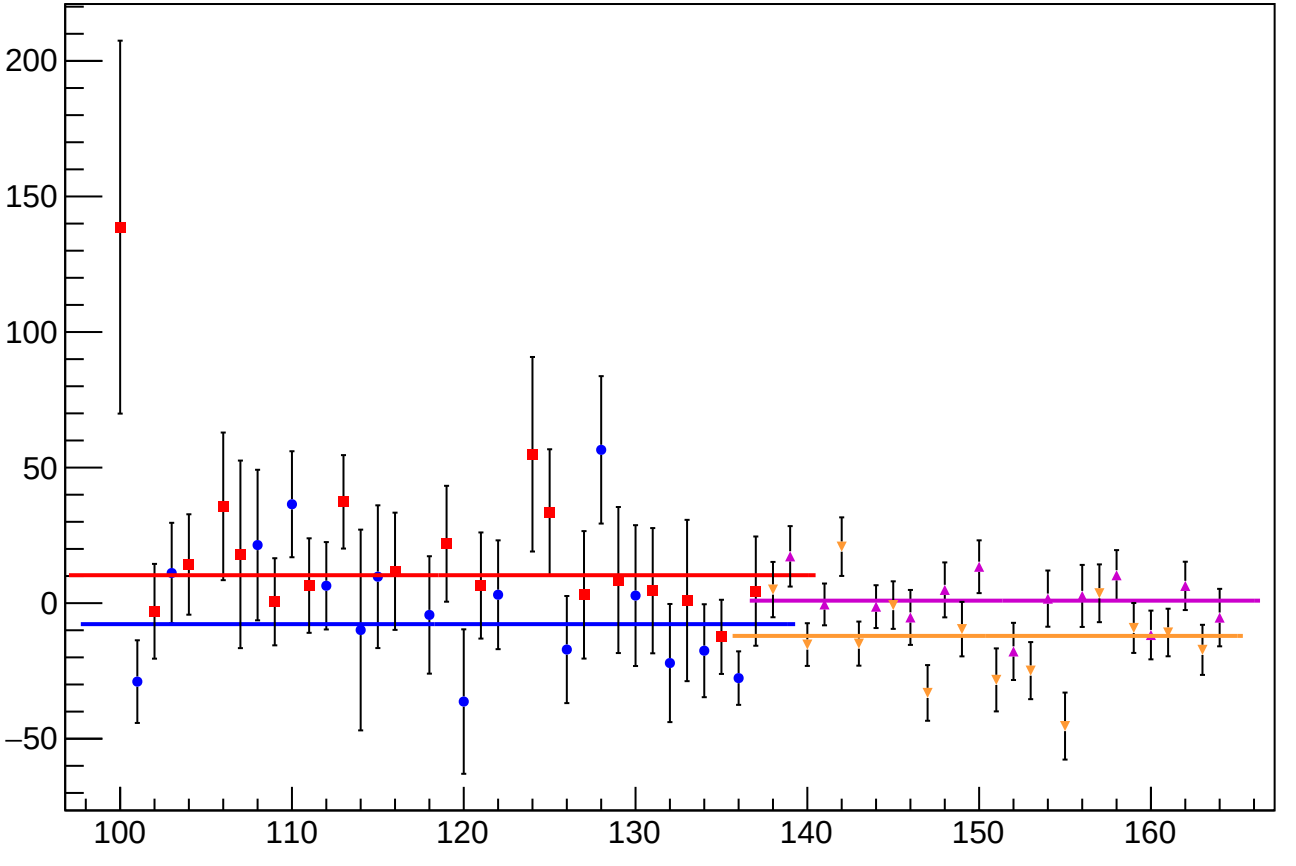
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6912.117+/-1.176 χ^2/NDF:1563706.2/28

Out: 6996.711+/-1.171 χ^2/NDF:1267105.0/32

All: 6954.586+/-0.830 χ^2/NDF: 2833411.2/61

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -12.081+/-2.581 χ^2/NDF:31.6/13

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 0.922+/-2.650 χ^2/NDF:11.3/12

Left: -5.751+/-1.849 χ^2/NDF: 55.3/26

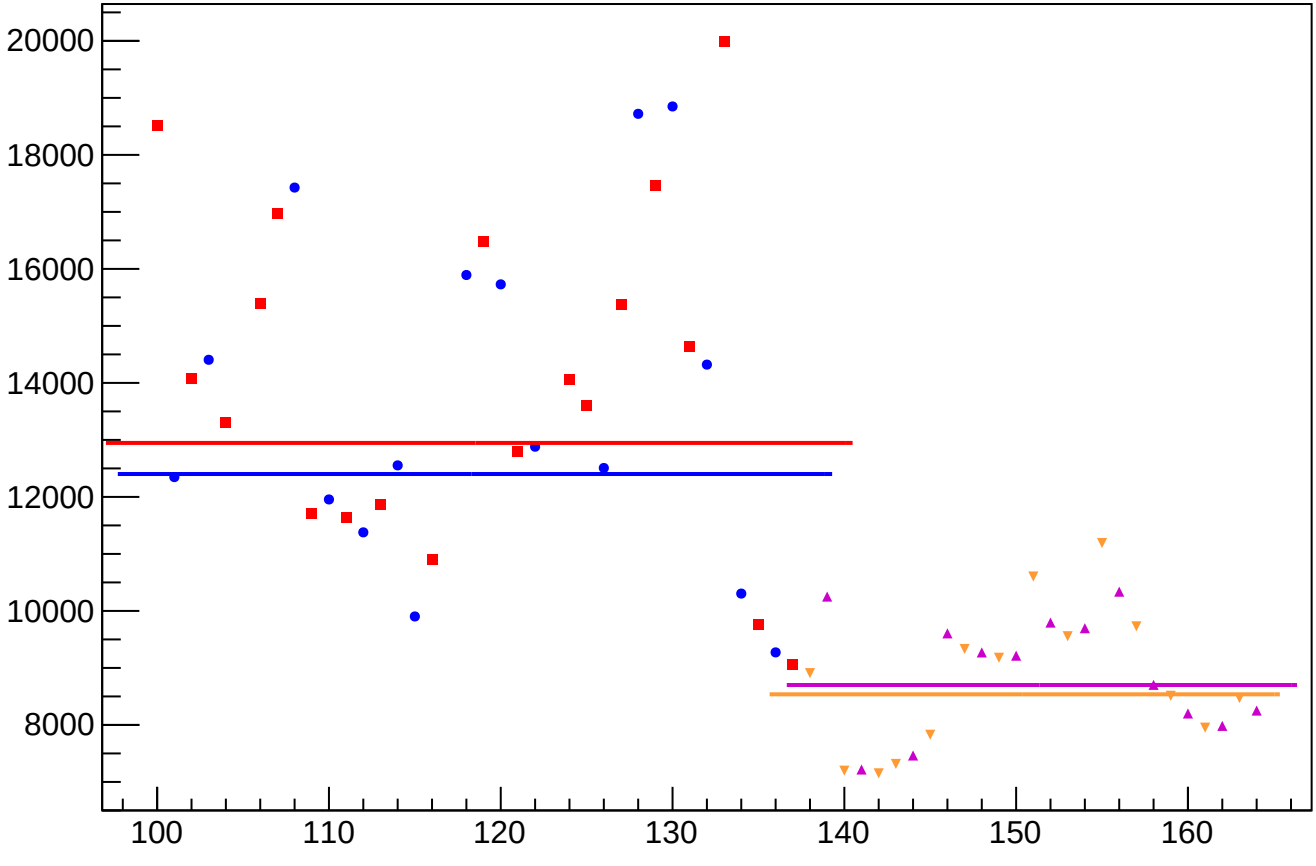
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -1.136+/-2.314 χ^2/NDF:36.6/28

Out: -7.123+/-2.278 χ^2/NDF:62.2/32

All: -4.177+/-1.623 χ^2/NDF: 102.1/61

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8537.165+/-1.825 χ^2/NDF:380029.1/13

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8700.490+/-1.874 χ^2/NDF:293361.6/12

Left: 8616.671+/-1.308 χ^2/NDF: 677288.8/26

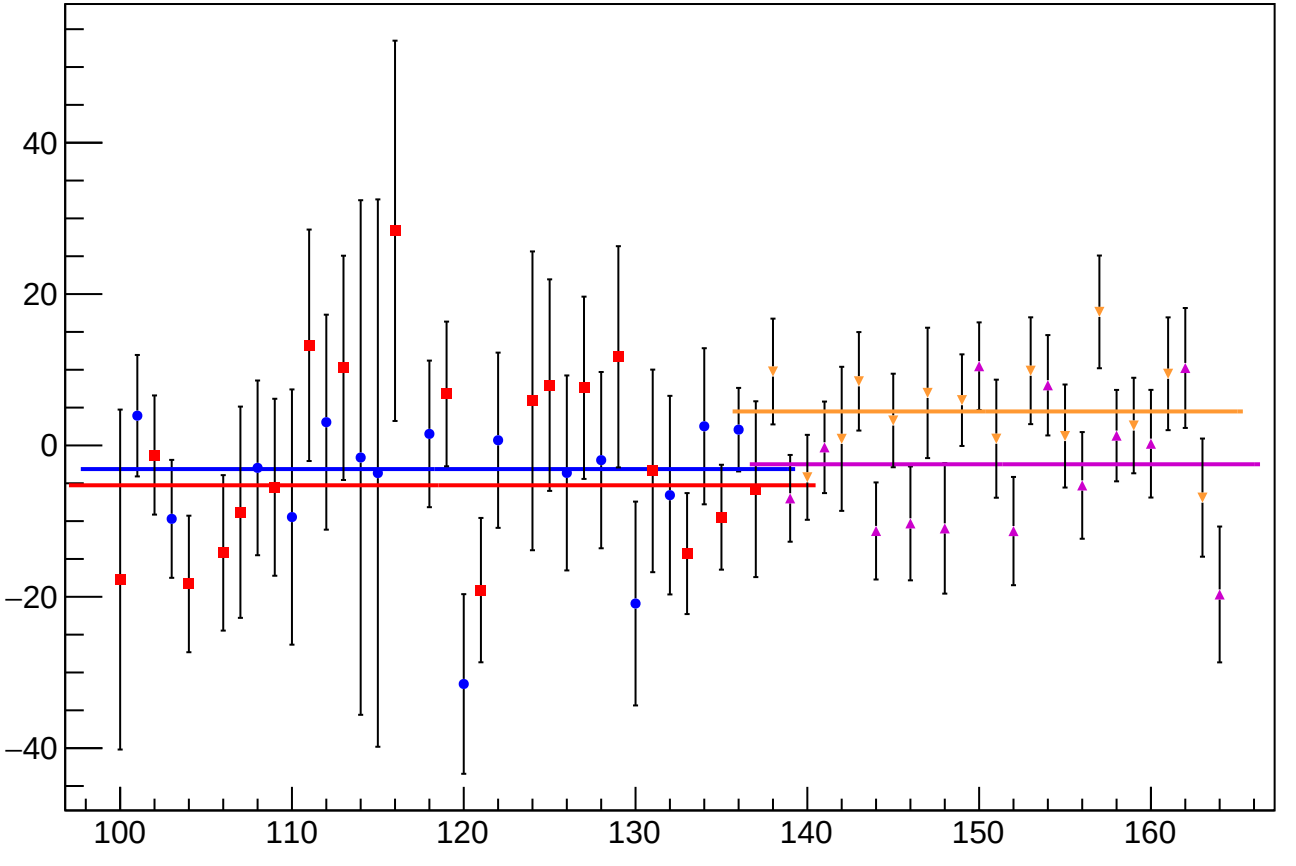
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9579.689+/-1.636 χ^2/NDF:1898288.9/28

Out: 9513.786+/-1.610 χ^2/NDF:2228146.6/32

All: 9546.211+/-1.148 χ^2/NDF: 4127259.4/61

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.492+/-1.859 χ^2/NDF:10.5/13

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -2.488+/-1.887 χ^2/NDF:20.6/12

Left: 1.054+/-1.324 χ^2/NDF: 38.1/26

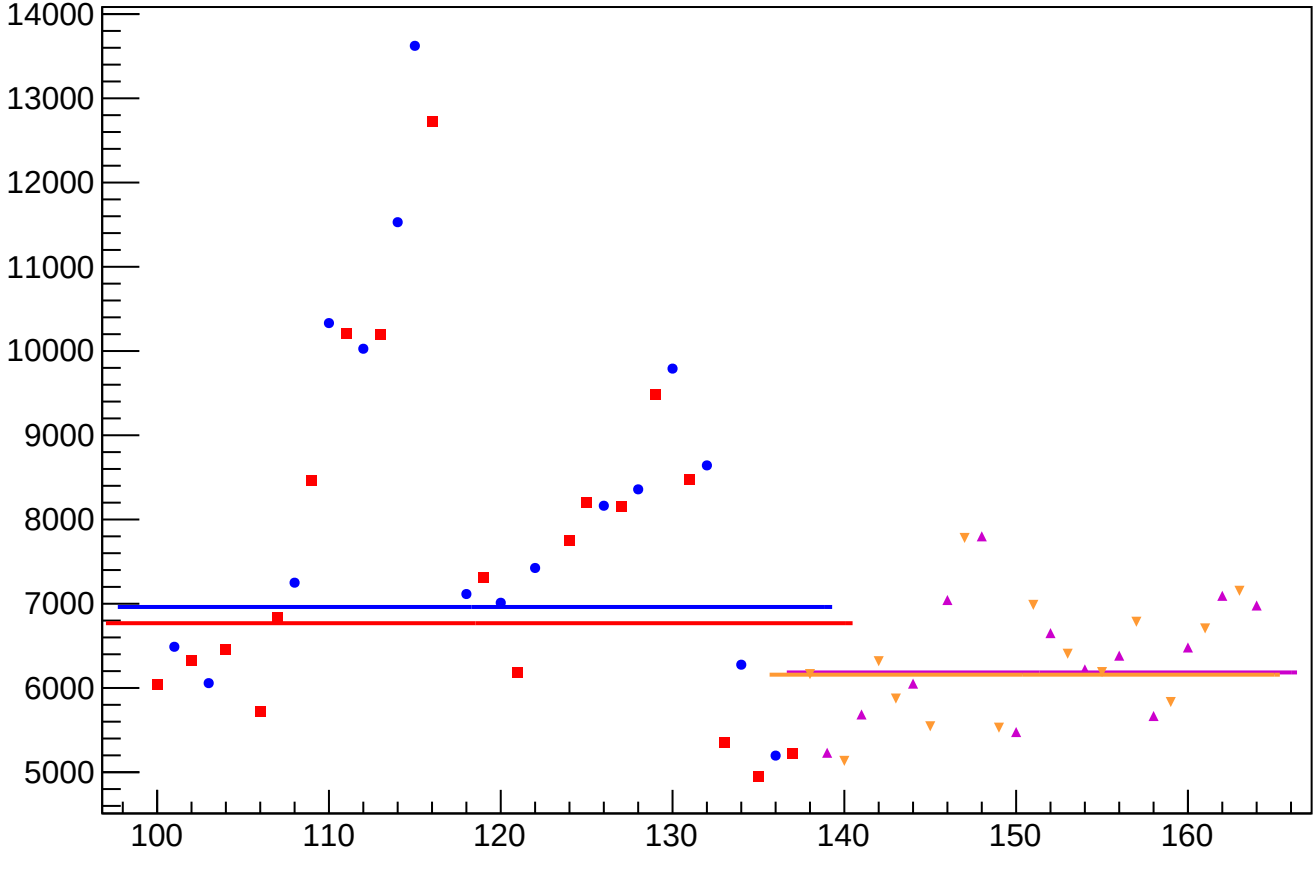
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -2.701+/-1.538 χ^2/NDF:31.6/28

Out: 1.112+/-1.503 χ^2/NDF:36.9/32

All: -0.750+/-1.075 χ^2/NDF: 71.7/61

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6157.932+/-1.314 χ^2/NDF:271187.4/13

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6184.372+/-1.334 χ^2/NDF:266411.2/12

Left: 6170.955+/-0.936 χ^2/NDF: 537798.0/26

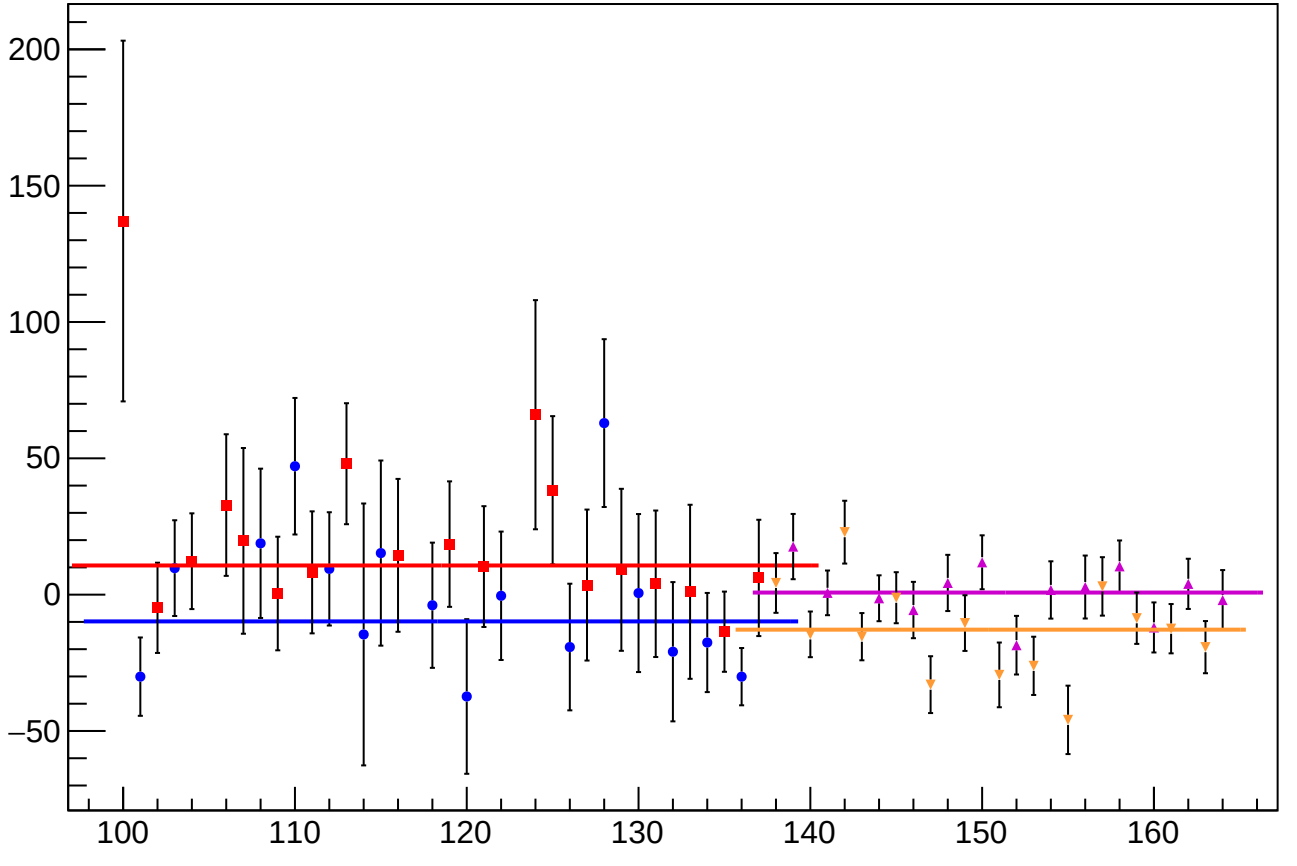
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6445.044+/-1.088 χ^2/NDF:1076677.7/28

Out: 6369.596+/-1.062 χ^2/NDF:1144178.5/32

All: 6406.442+/-0.760 χ^2/NDF: 2223318.9/61

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -12.838+/-2.682 χ^2/NDF:30.9/13

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 0.769+/-2.739 χ^2/NDF:10.2/12

Left: -6.178+/-1.916 χ^2/NDF: 53.7/26

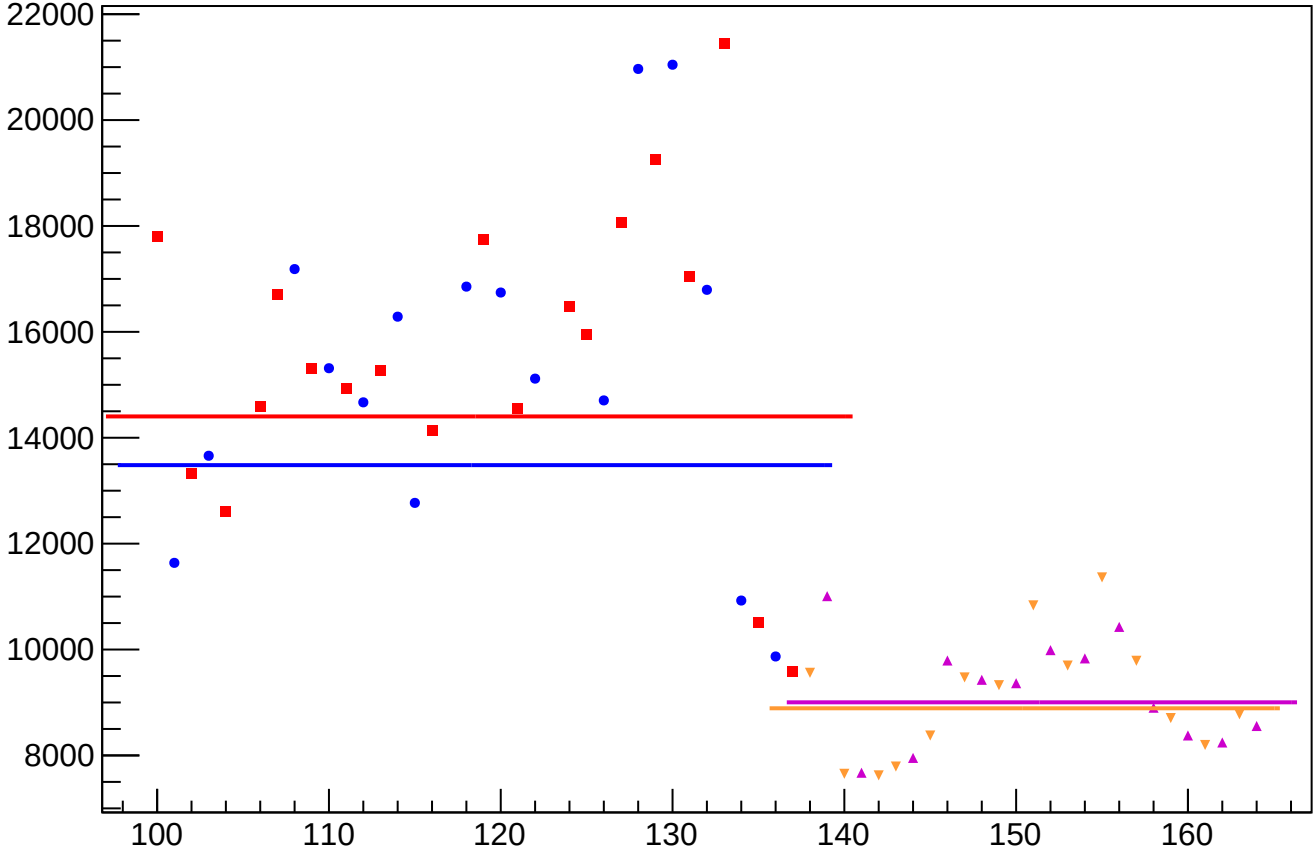
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -1.544+/-2.421 χ^2/NDF:35.5/28

Out: -8.153+/-2.400 χ^2/NDF:60.5/32

All: -4.877+/-1.705 χ^2/NDF: 99.8/61

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8890.319+/-1.897 χ^2/NDF:293027.9/13

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 9003.113+/-1.937 χ^2/NDF:243811.9/12

Left: 8945.525+/-1.355 χ^2/NDF: 538571.0/26

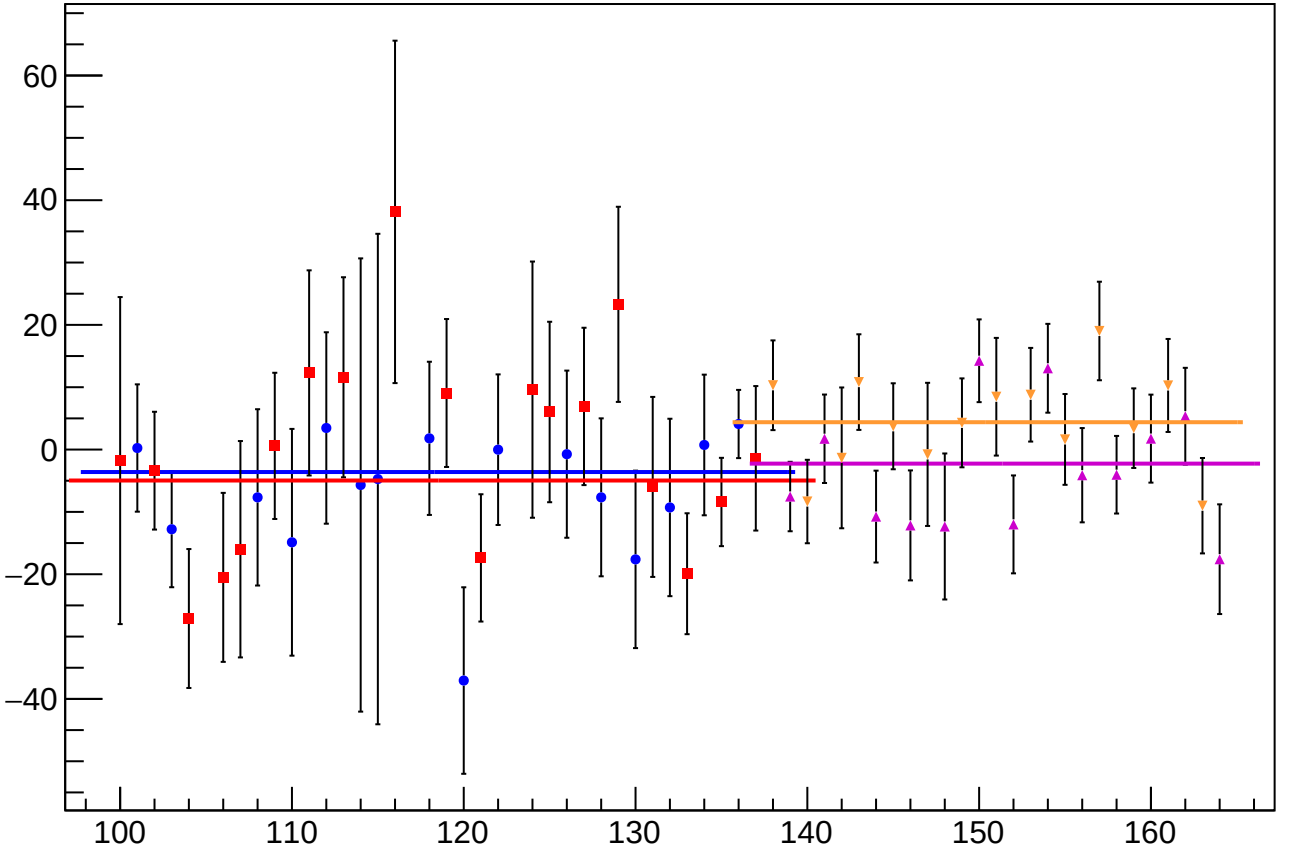
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9982.724+/-1.712 χ^2/NDF:2157119.2/28

Out: 9987.436+/-1.697 χ^2/NDF:2526821.8/32

All: 9985.100+/-1.205 χ^2/NDF: 4683944.8/61

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 4.387+/-2.049 χ^2/NDF:13.3/13

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -2.257+/-2.032 χ^2/NDF:21.3/12

Left: 1.037+/-1.443 χ^2/NDF: 39.9/26

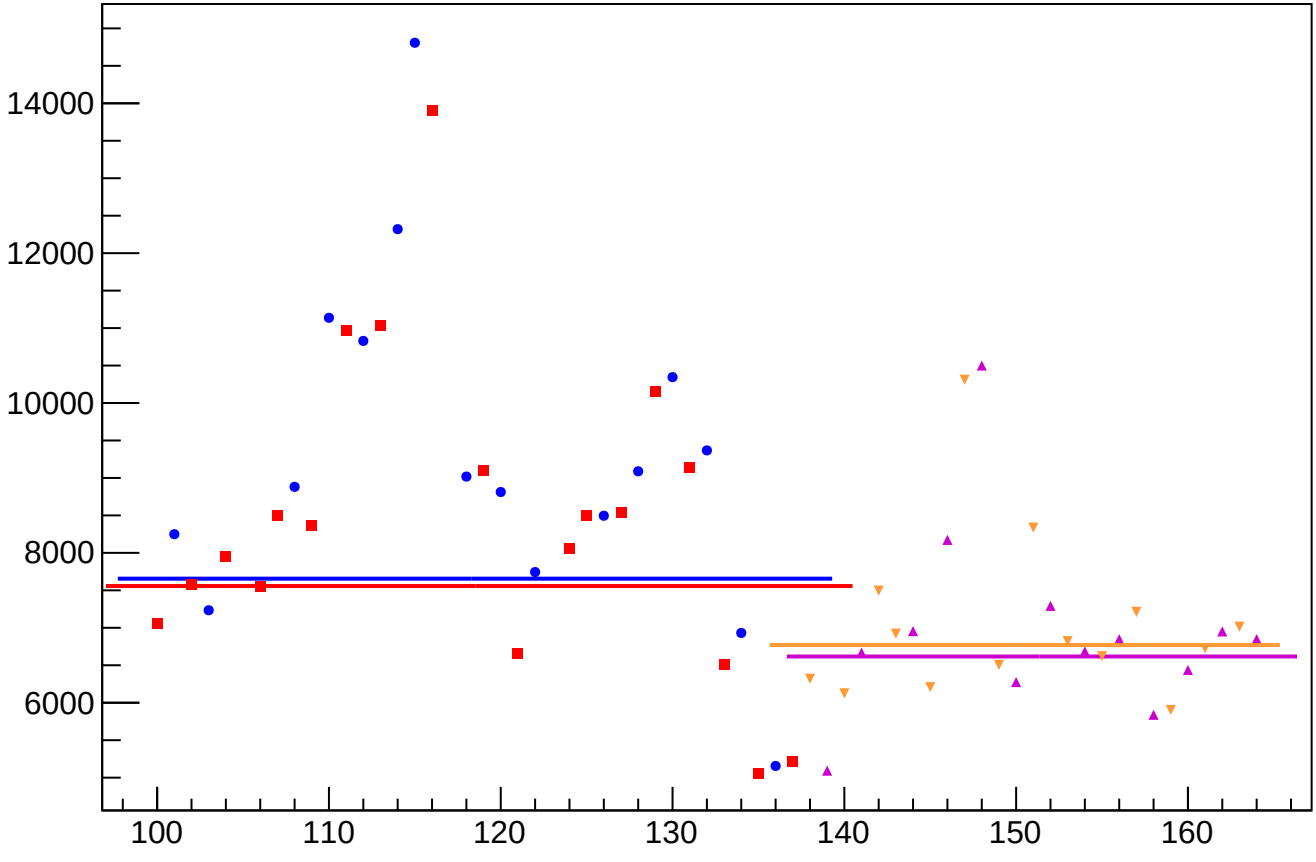
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -2.693+/-1.672 χ^2/NDF:32.0/28

Out: 1.208+/-1.665 χ^2/NDF:41.7/32

All: -0.734+/-1.180 χ^2/NDF: 76.4/61

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6769.755+/-1.449 χ^2/NDF:343039.8/13

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6616.887+/-1.437 χ^2/NDF:495867.6/12

Left: 6692.681+/-1.020 χ^2/NDF: 844519.0/26

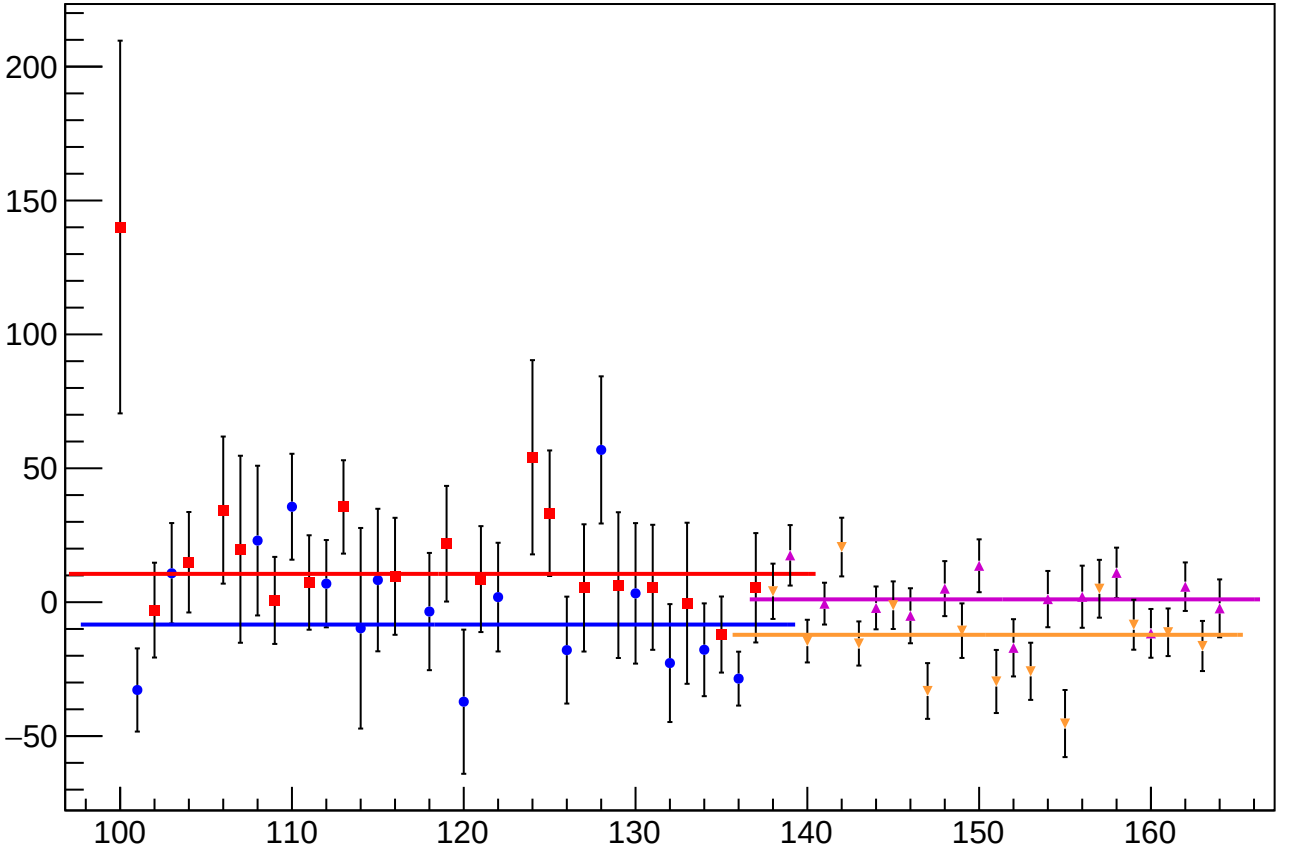
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6952.787+/-1.182 χ^2/NDF:1544660.7/28

Out: 7037.543+/-1.177 χ^2/NDF:1253370.2/32

All: 6995.337+/-0.834 χ^2/NDF: 2800612.1/61

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -12.179+/-2.616 χ^2/NDF:31.0/13

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 1.053+/-2.688 χ^2/NDF:10.7/12

Left: -5.743+/-1.875 χ^2/NDF: 54.2/26

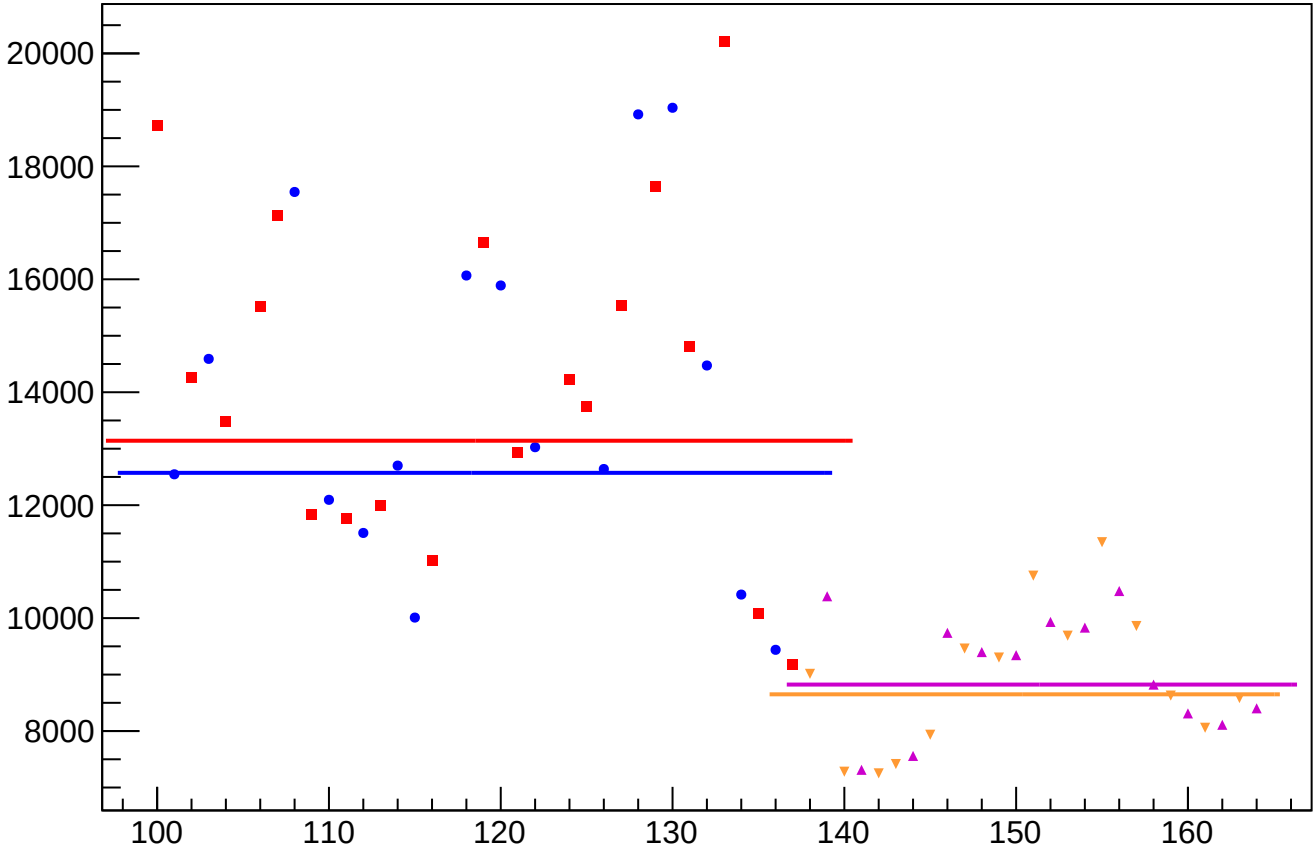
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -1.182+/-2.347 χ^2/NDF:36.9/28

Out: -7.151+/-2.309 χ^2/NDF:60.6/32

All: -4.216+/-1.646 χ^2/NDF: 100.8/61

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8650.526+/-1.849 χ^2/NDF:381527.6/13

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8823.114+/-1.901 χ^2/NDF:293056.6/12

Left: 8734.467+/-1.325 χ^2/NDF: 678819.5/26

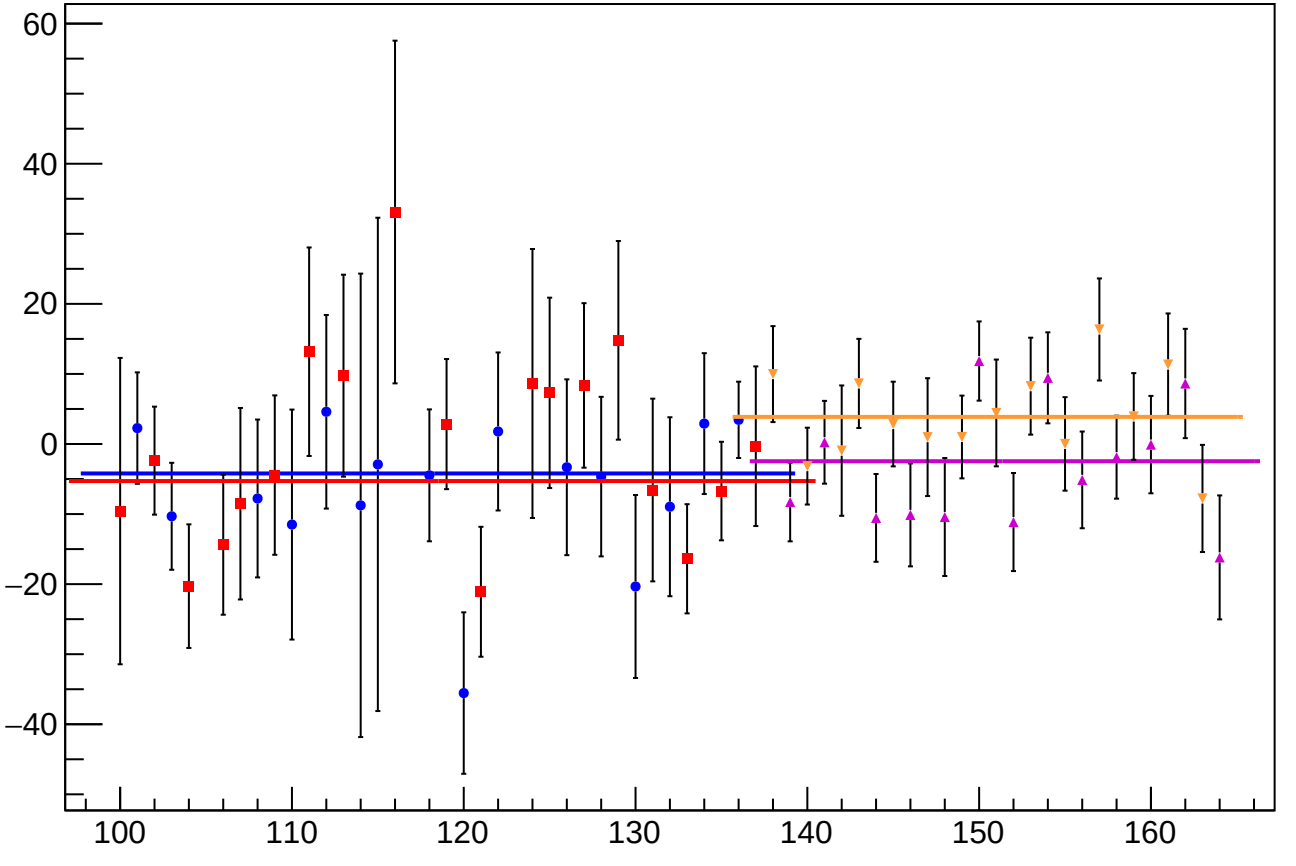
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9714.289+/-1.659 χ^2/NDF:1883082.2/28

Out: 9642.877+/-1.632 χ^2/NDF:2219077.1/32

All: 9677.996+/-1.164 χ^2/NDF: 4103100.5/61

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.871+/-1.818 χ^2/NDF:10.7/13

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -2.455+/-1.846 χ^2/NDF:20.9/12

Left: 0.757+/-1.296 χ^2/NDF: 37.6/26

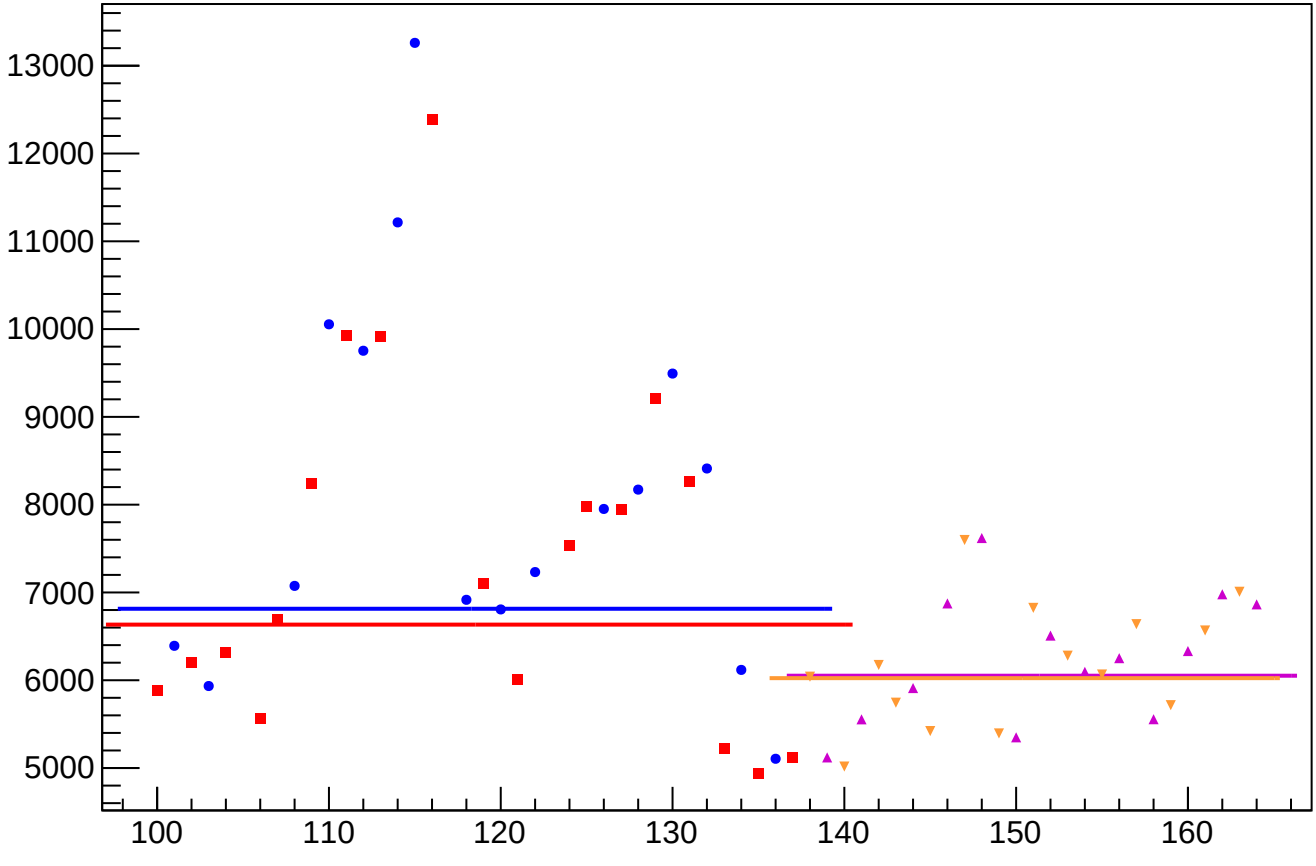
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -3.041+/-1.506 χ^2/NDF:35.1/28

Out: 0.706+/-1.471 χ^2/NDF:39.2/32

All: -1.124+/-1.052 χ^2/NDF: 77.5/61

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6023.859+/-1.286 χ^2/NDF:272794.2/13

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6051.624+/-1.306 χ^2/NDF:268188.3/12

Left: 6037.527+/-0.916 χ^2/NDF: 541212.1/26

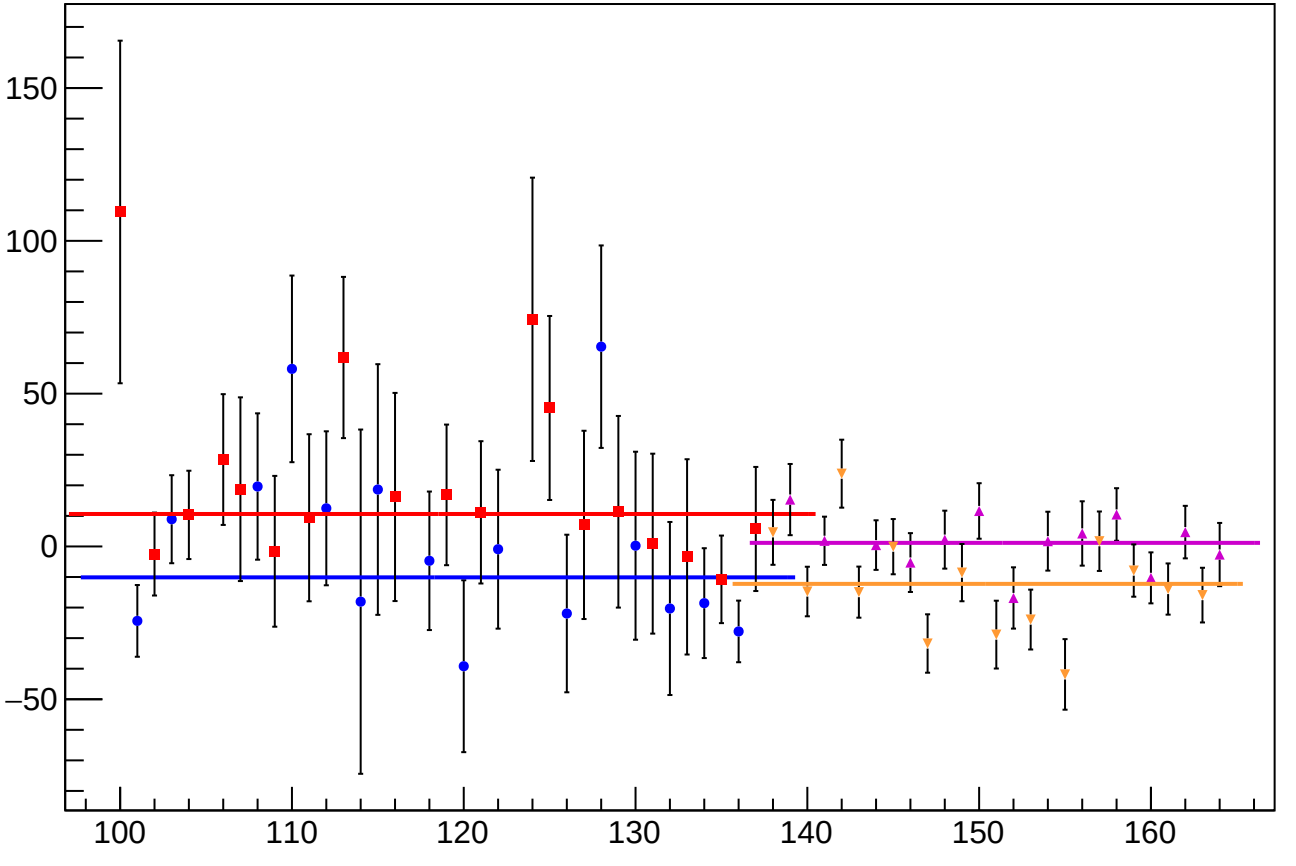
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6307.265+/-1.065 χ^2/NDF:1056653.4/28

Out: 6234.605+/-1.040 χ^2/NDF:1113898.1/32

All: 6270.089+/-0.744 χ^2/NDF: 2172935.0/61

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -12.246+/-2.515 χ^2/NDF:32.1/13

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 1.175+/-2.555 χ^2/NDF:10.0/12

Left: -5.642+/-1.793 χ^2/NDF: 56.1/26

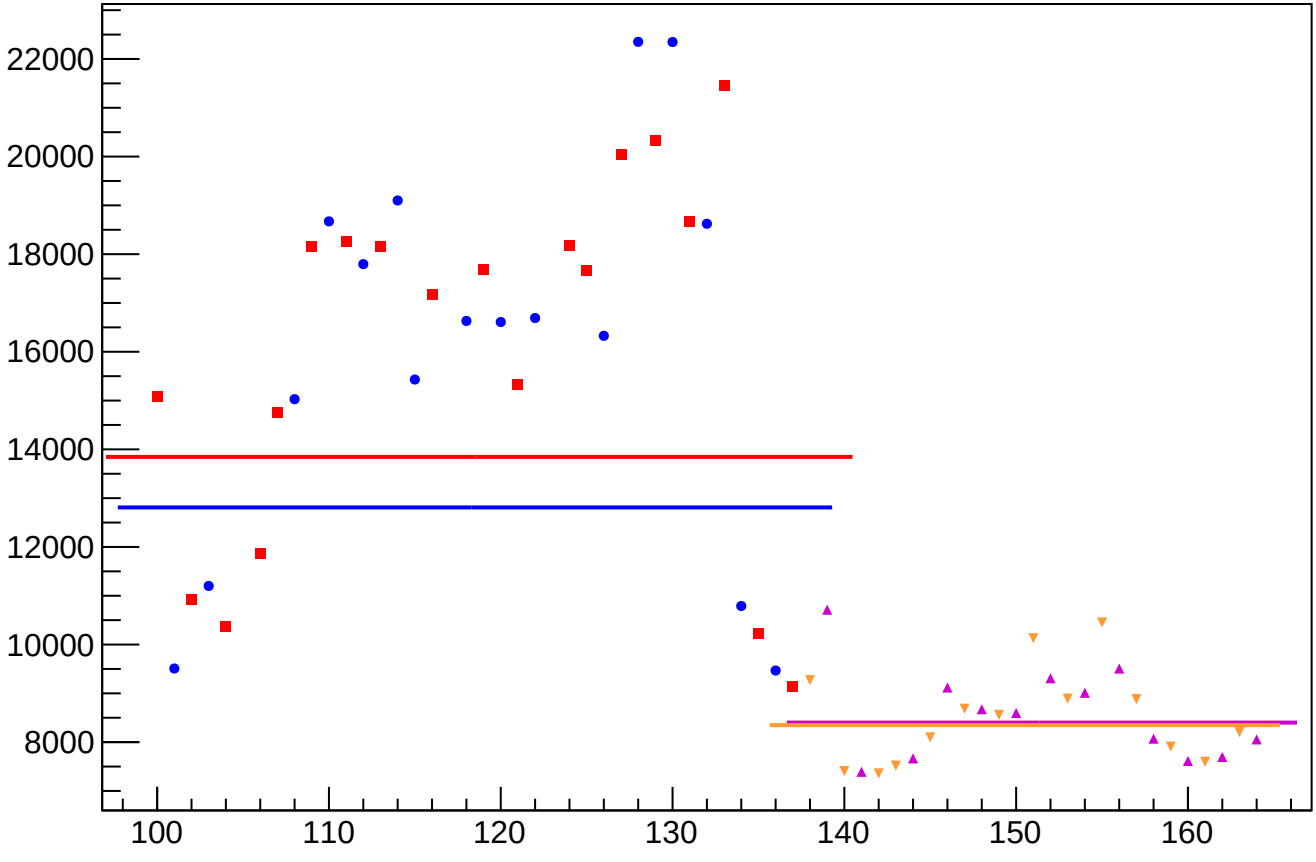
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -1.150+/-2.277 χ^2/NDF:35.2/28

Out: -8.012+/-2.270 χ^2/NDF:62.2/32

All: -4.591+/-1.608 χ^2/NDF: 102.0/61

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8348.534+/-1.778 χ^2/NDF:234645.9/13

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8401.098+/-1.807 χ^2/NDF:224540.2/12

Left: 8374.398+/-1.268 χ^2/NDF: 459615.9/26

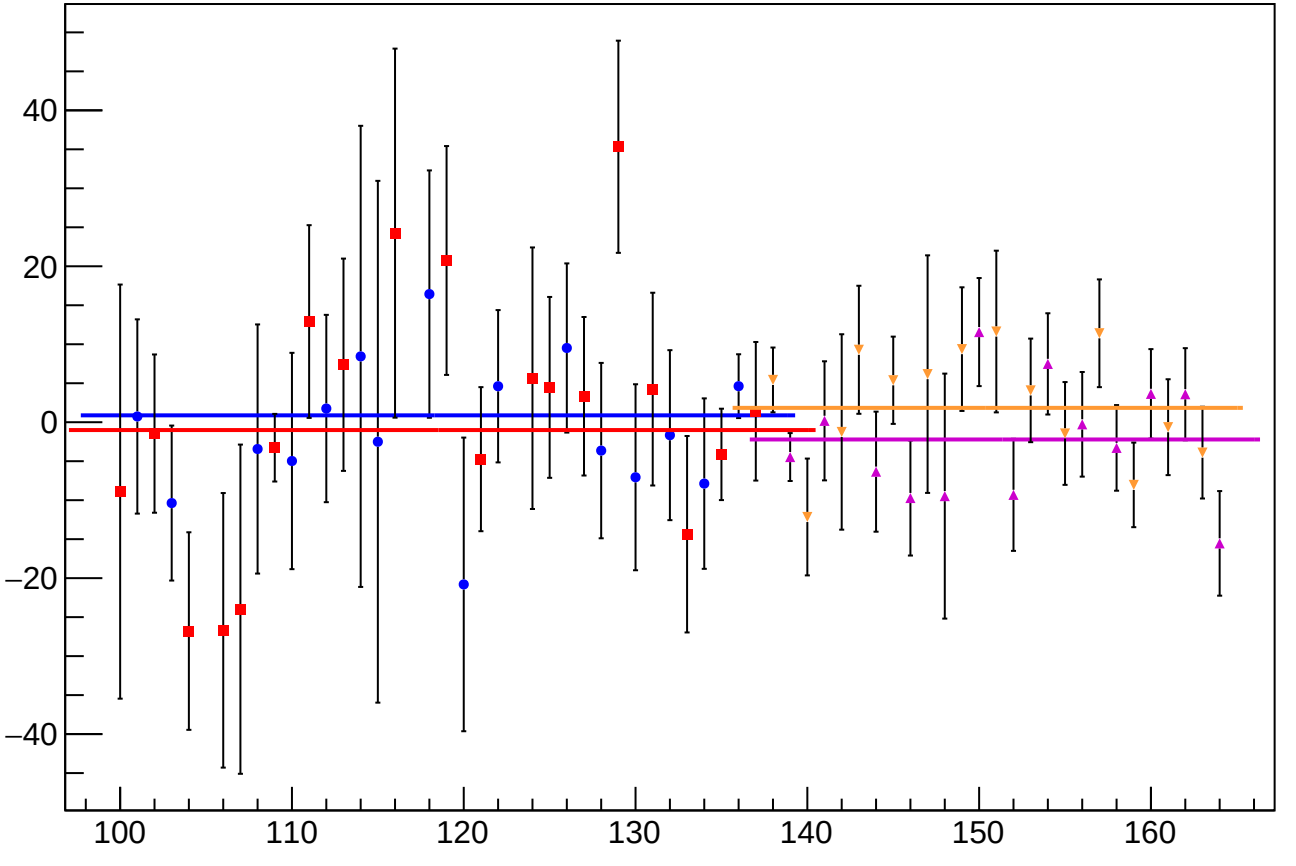
Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9309.259+/-1.610 χ^2/NDF:2699058.5/28

Out: 9366.236+/-1.605 χ^2/NDF:3099926.3/32

All: 9337.831+/-1.137 χ^2/NDF: 5799612.8/61

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.841+/-1.784 χ^2/NDF:14.1/13

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -2.214+/-1.660 χ^2/NDF:15.4/12

Left: -0.332+/-1.215 χ^2/NDF: 32.3/26

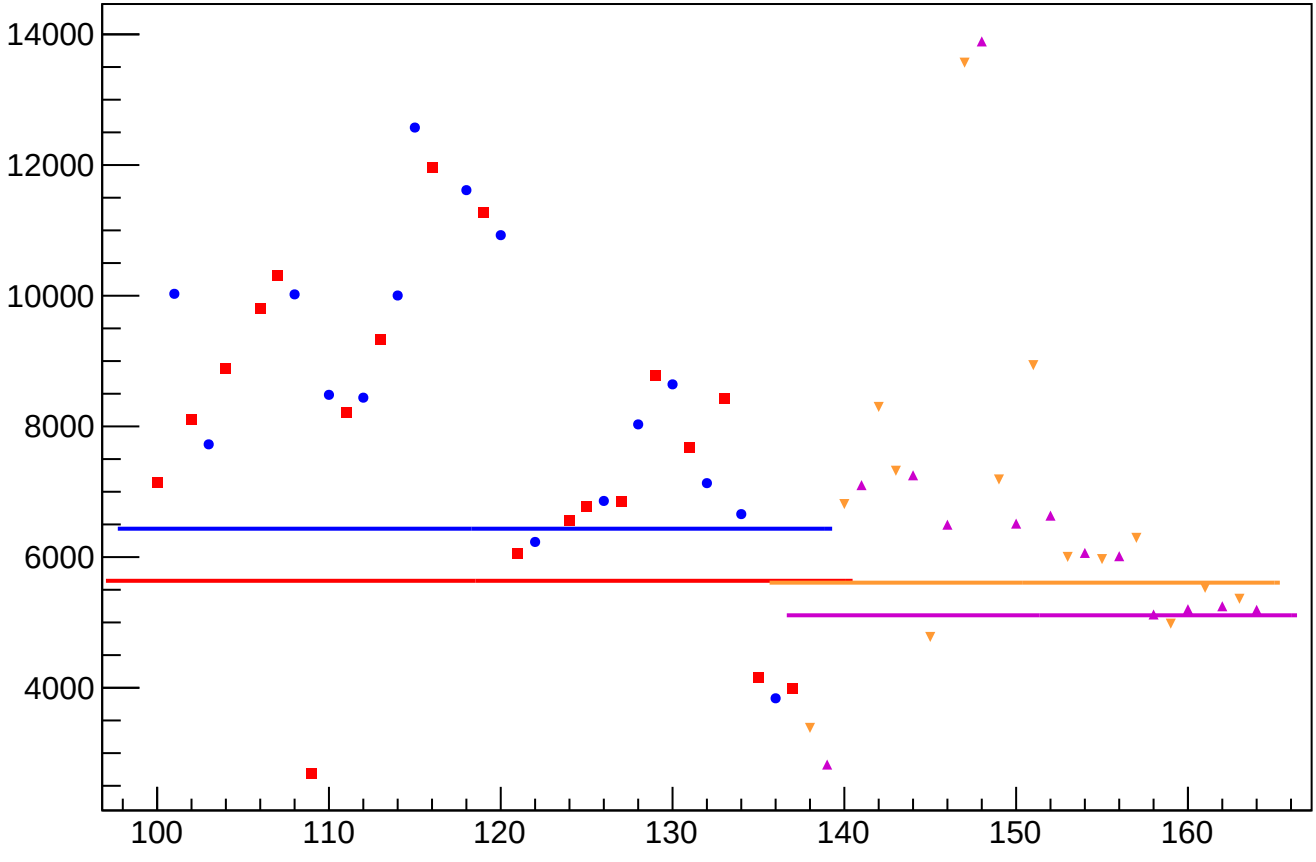
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -1.301+/-1.394 χ^2/NDF:23.2/28

Out: 0.780+/-1.413 χ^2/NDF:37.4/32

All: -0.274+/-0.992 χ^2/NDF: 61.7/61

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5608.866+/-1.261 χ^2/NDF:1741468.8/13

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5109.367+/-1.174 χ^2/NDF:2345546.1/12

Left: 5341.219+/-0.859 χ^2/NDF: 4171064.0/26

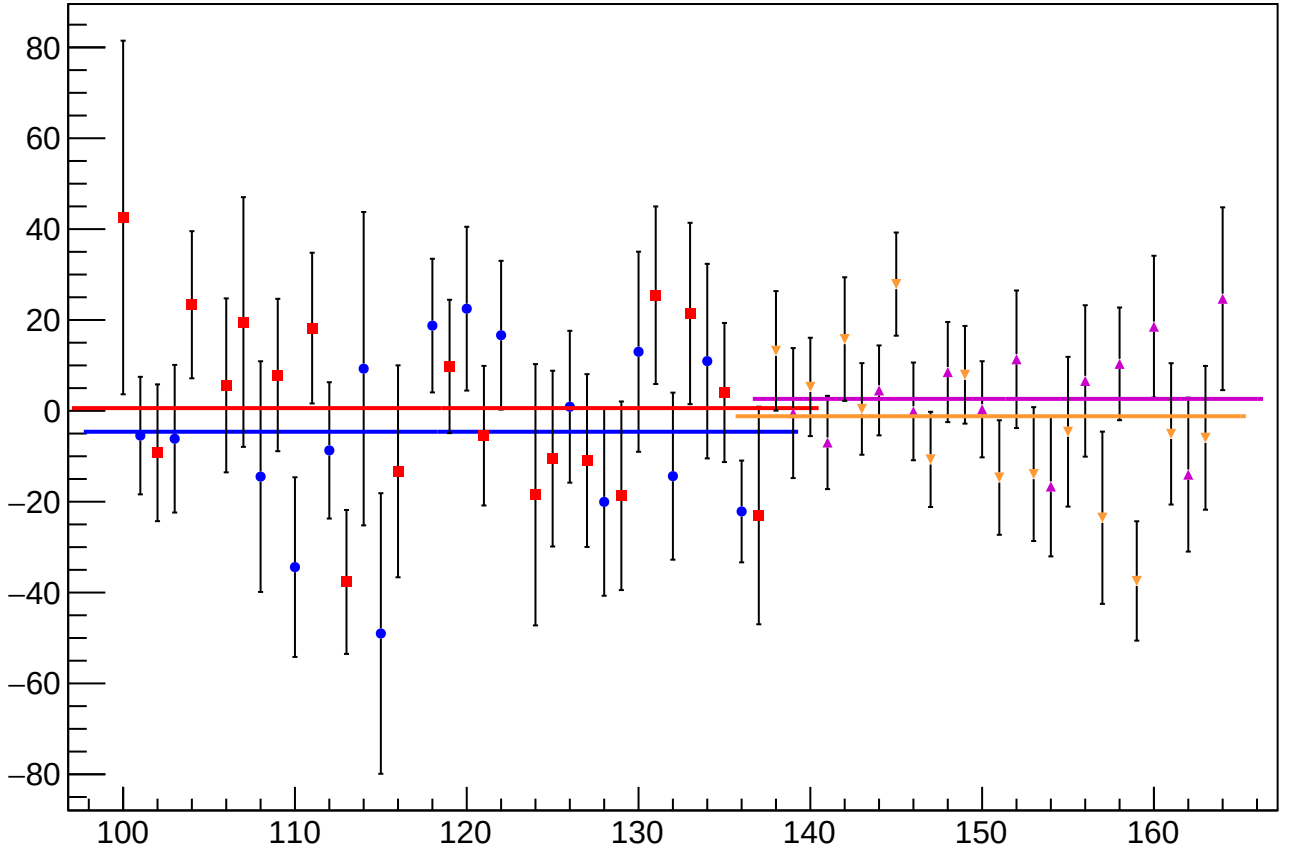
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5500.344+/-0.986 χ^2/NDF:4472181.4/28

Out: 5619.480+/-0.999 χ^2/NDF:4321672.4/32

All: 5559.113+/-0.702 χ^2/NDF: 8801061.8/61

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -1.185+/-3.403 χ^2/NDF:22.3/13

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 2.629+/-3.555 χ^2/NDF:6.9/12

Left: 0.639+/-2.458 χ^2/NDF: 29.8/26

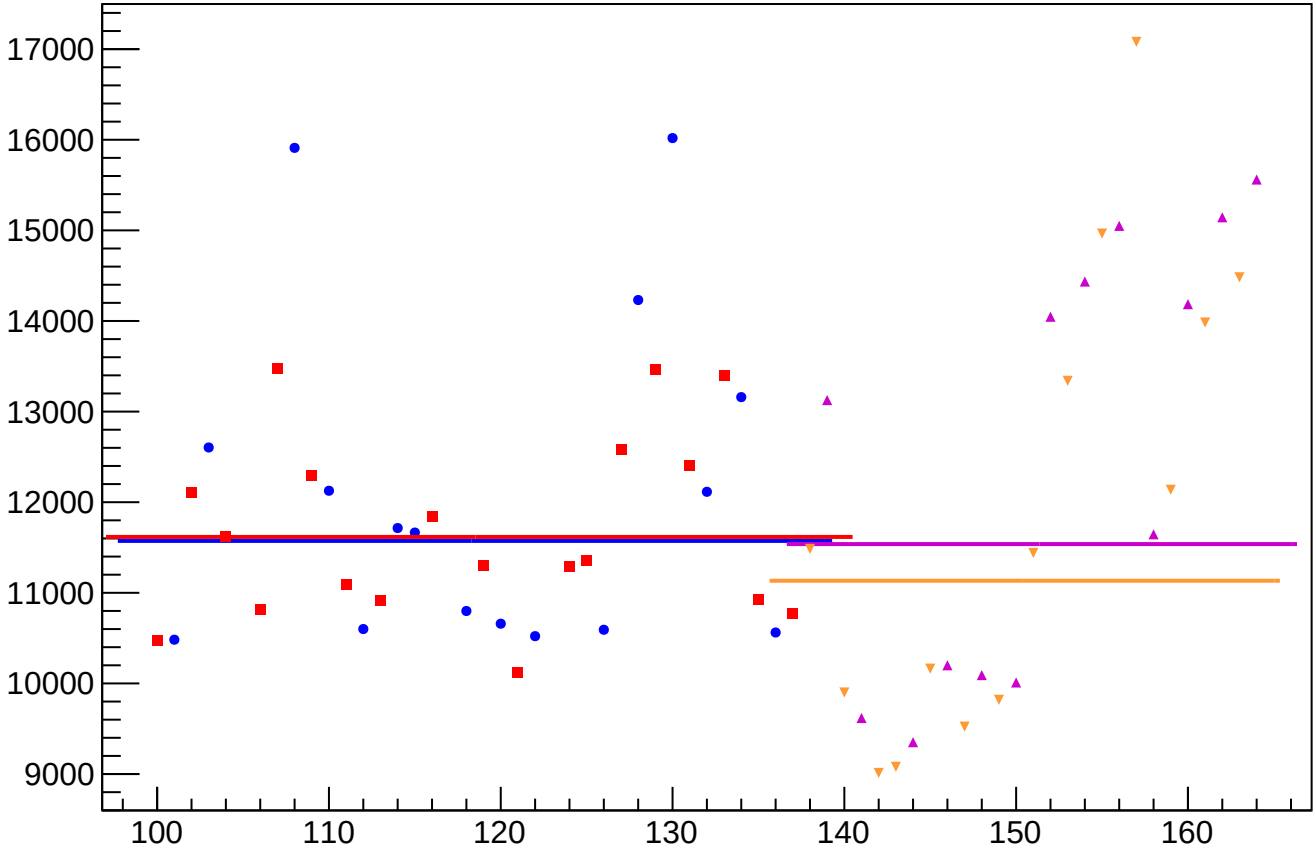
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -0.262+/-2.754 χ^2/NDF:24.3/28

Out: -0.491+/-2.660 χ^2/NDF:40.3/32

All: -0.381+/-1.913 χ^2/NDF: 64.7/61

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 11133.362+/-2.406 χ^2/NDF:769959.0/13

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 11537.931+/-2.514 χ^2/NDF:742140.2/12

Left: 11326.830+/-1.738 χ^2/NDF: 1525617.3/26

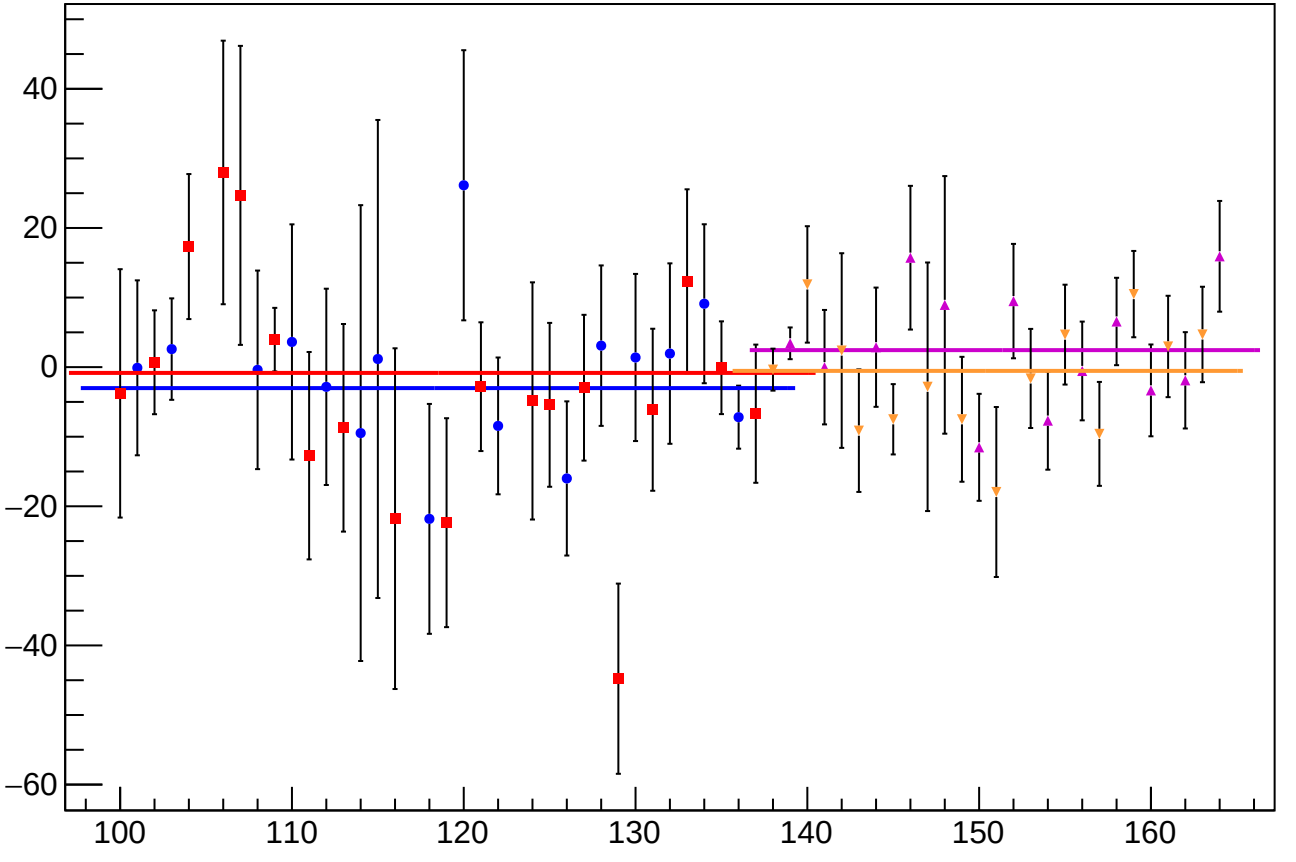
Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11551.983+/-1.947 χ^2/NDF:1002285.4/28

Out: 11321.321+/-1.881 χ^2/NDF:878817.1/32

All: 11432.677+/-1.353 χ^2/NDF: 1888360.7/6

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.539+/-1.750 χ^2/NDF:13.7/13

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 2.443+/-1.602 χ^2/NDF:12.8/12

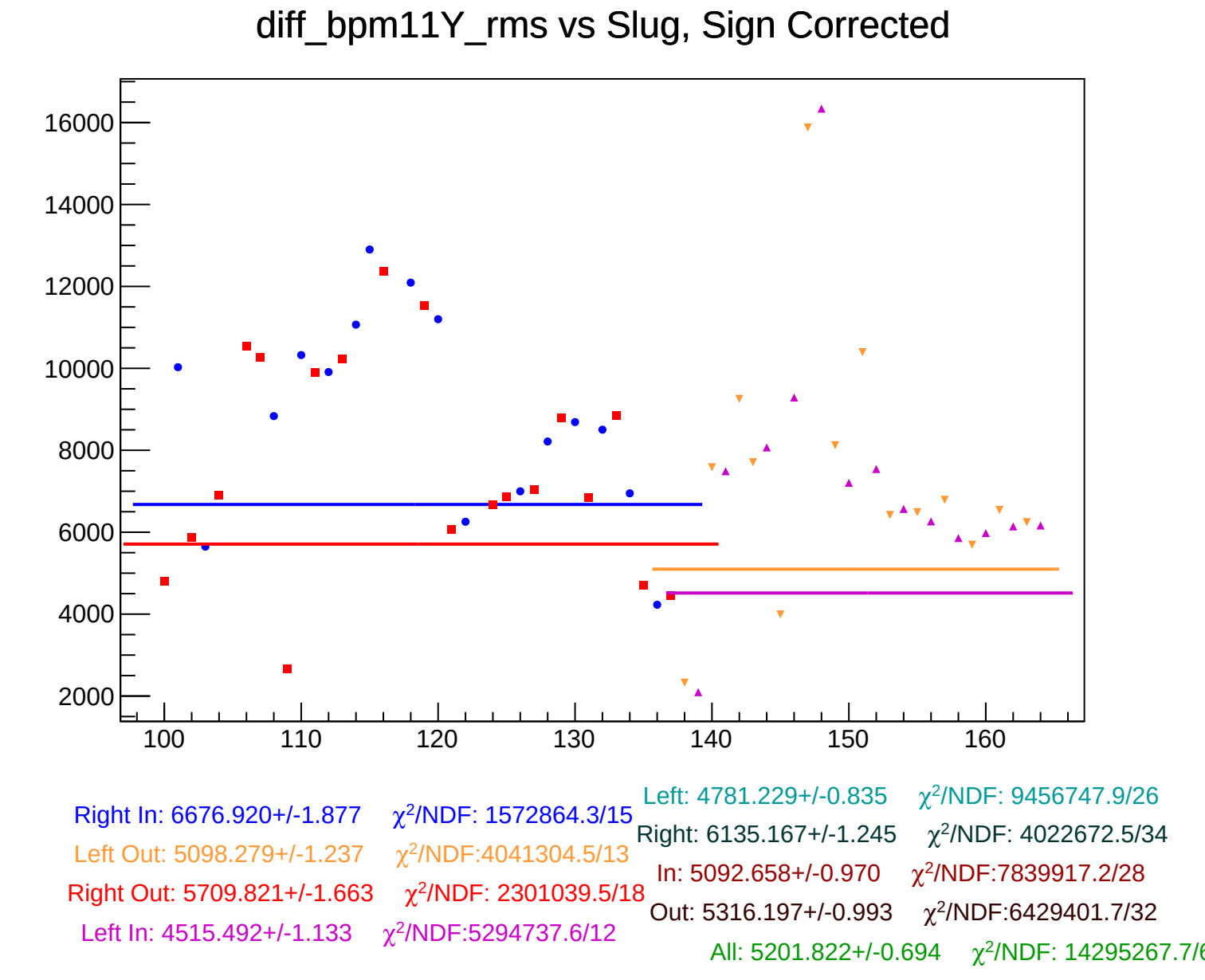
Left: 1.083+/-1.182 χ^2/NDF: 28.1/26

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

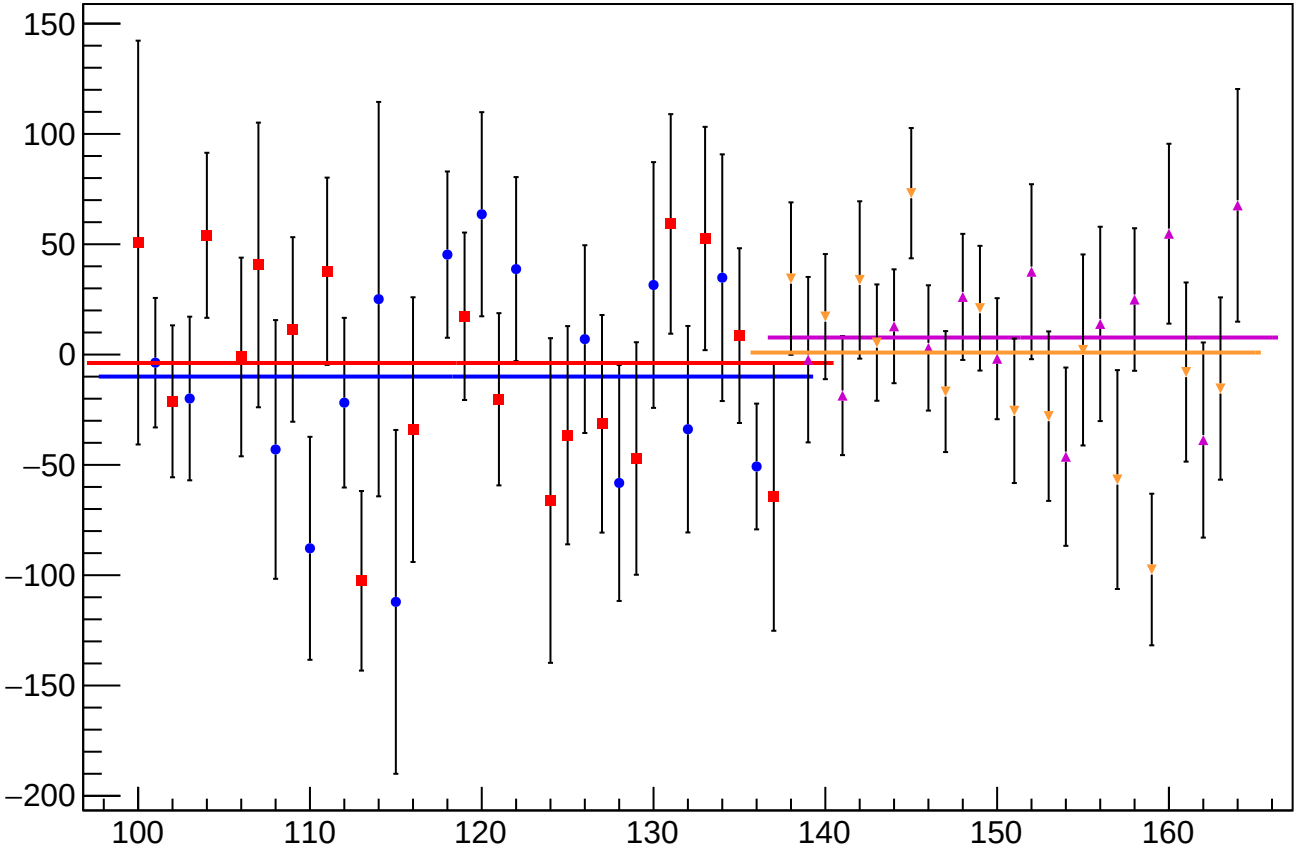
In: 0.986+/-1.371 χ^2/NDF:24.5/28

Out: -0.643+/-1.404 χ^2/NDF:37.6/32

All: 0.190+/-0.981 χ^2/NDF: 62.8/61


diff_bpm11Y_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
Right In: 6676.920+/-1.877 χ²/NDF: 1572864.3/15
Left Out: 5098.279+/-1.237 χ²/NDF:4041304.5/13
Right Out: 5709.821+/-1.663 χ²/NDF: 2301039.5/18
Left In: 4515.492+/-1.133 χ²/NDF:5294737.6/12
Left: 4781.229+/-0.835 χ²/NDF: 9456747.9/26
Right: 6135.167+/-1.245 χ²/NDF: 4022672.5/34
In: 5092.658+/-0.970 χ²/NDF:7839917.2/28
Out: 5316.197+/-0.993 χ²/NDF:6429401.7/32
All: 5201.822+/-0.694 χ²/NDF: 14295267.7/6

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.916+/-8.899 χ^2/NDF:20.0/13

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 7.729+/-9.295 χ^2/NDF:8.0/12

Left: 4.174+/-6.428 χ^2/NDF: 28.3/26

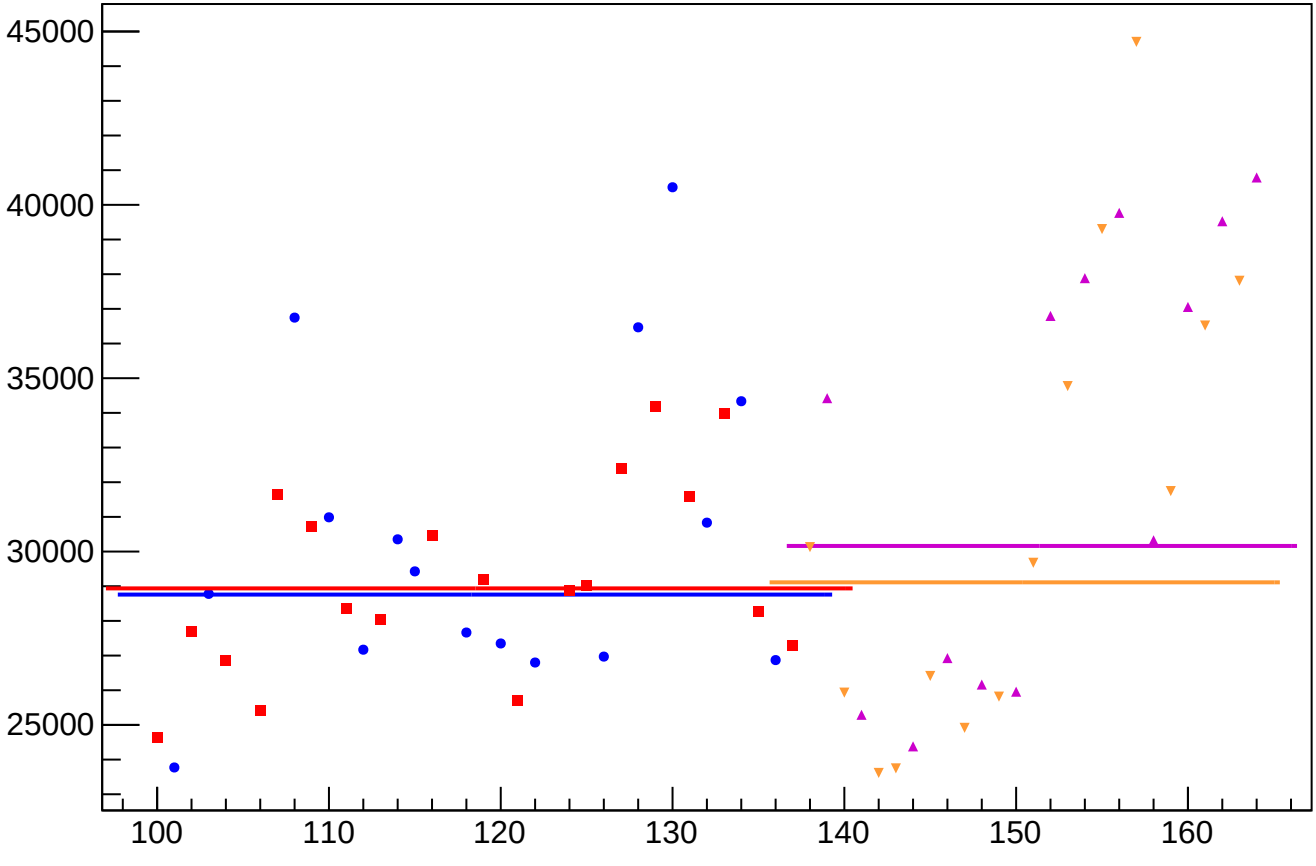
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: 0.227+/-7.055 χ^2/NDF:24.8/28

Out: -1.032+/-6.825 χ^2/NDF:37.4/32

All: -0.423+/-4.905 χ^2/NDF: 62.3/61

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29112.367+/-6.293 χ^2/NDF:767362.4/13

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30161.836+/-6.573 χ^2/NDF:755785.8/12

Left: 29614.284+/-4.545 χ^2/NDF: 1536450.2/26

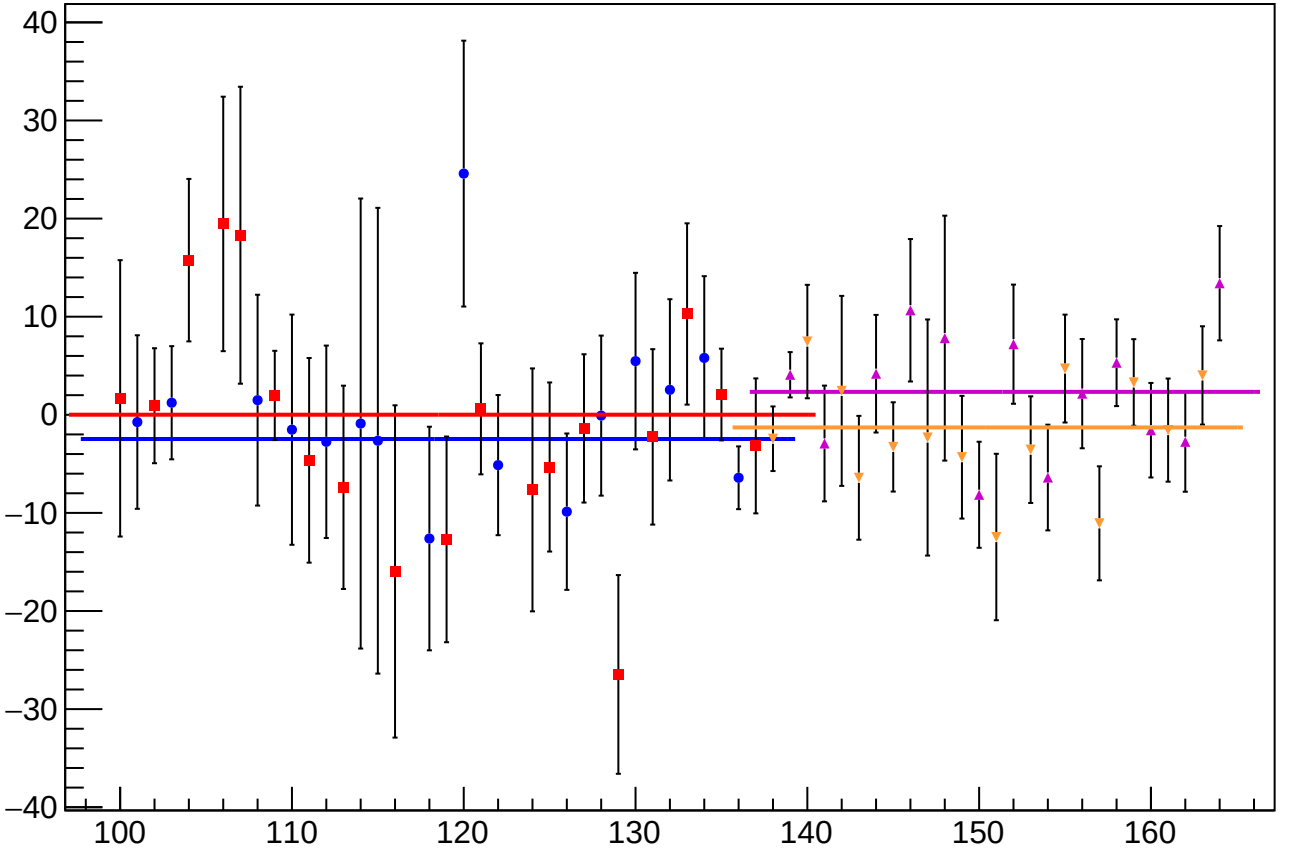
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29567.227+/-4.989 χ^2/NDF:1052733.5/28

Out: 29040.414+/-4.826 χ^2/NDF:873945.9/32

All: 29295.100+/-3.469 χ^2/NDF: 1932439.7/6

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.289+/-1.449 χ^2/NDF:11.8/13

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 2.337+/-1.336 χ^2/NDF:15.7/12

Left: 0.670+/-0.982 χ^2/NDF: 30.9/26

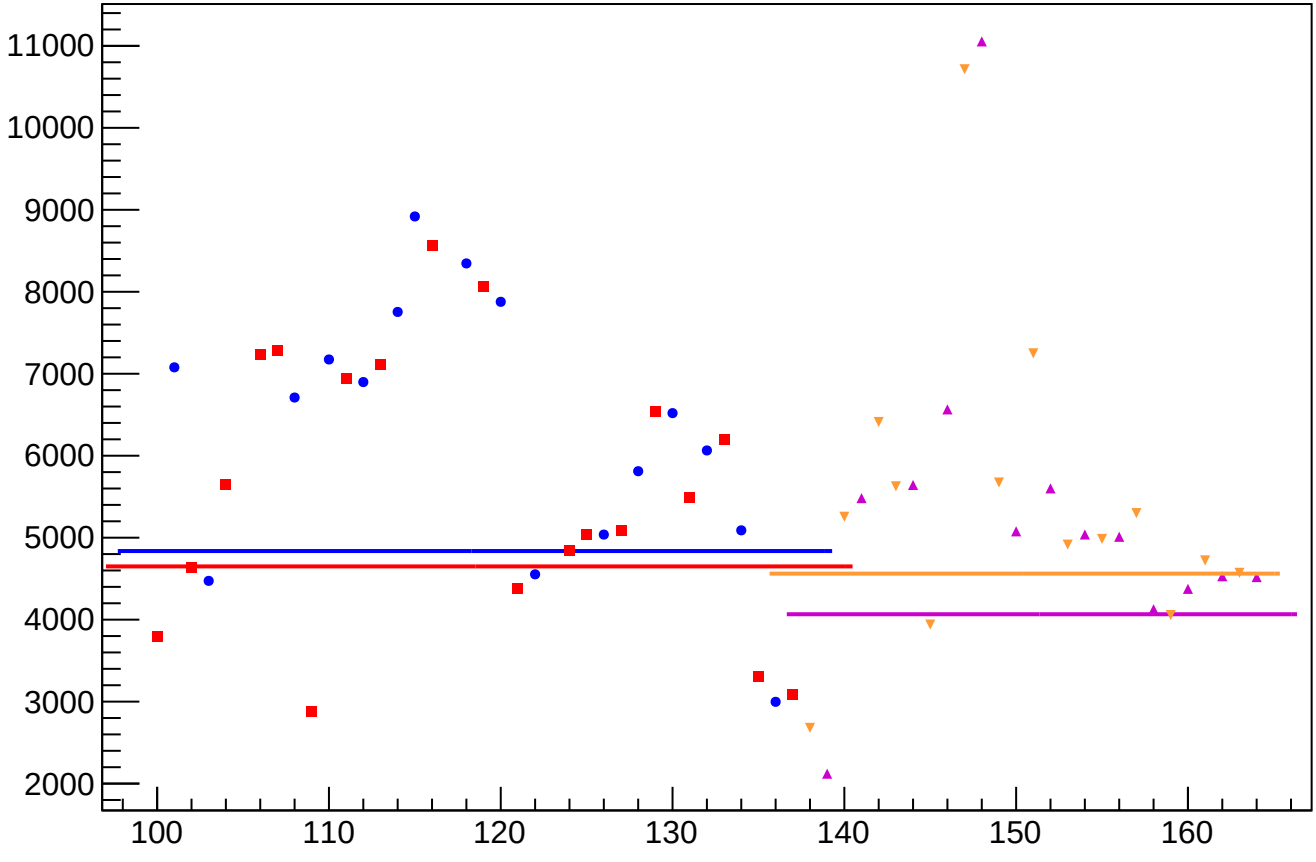
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.764+/-1.096 χ^2/NDF:30.0/28

Out: -0.789+/-1.135 χ^2/NDF:32.1/32

All: 0.015+/-0.789 χ^2/NDF: 63.0/61

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4561.590+/-1.024 χ^2/NDF:1716829.7/13

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4066.061+/-0.945 χ^2/NDF:2895098.9/12

Left: 4293.887+/-0.695 χ^2/NDF: 4738340.1/26

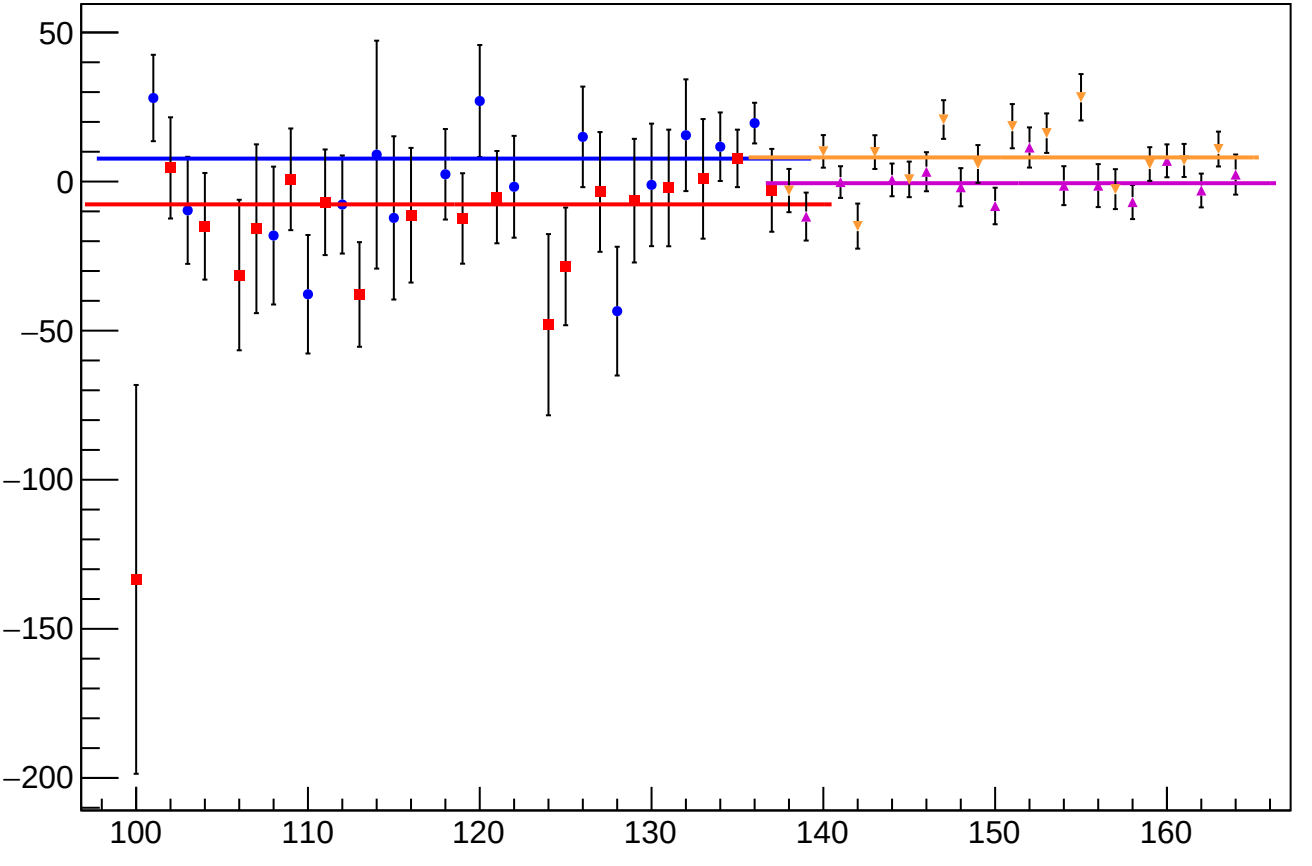
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4318.511+/-0.775 χ^2/NDF:4660842.0/28

Out: 4595.544+/-0.803 χ^2/NDF:3154226.5/32

All: 4452.145+/-0.558 χ^2/NDF: 7876698.7/61

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 8.096+/-1.687 χ^2/NDF:30.5/13

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -0.550+/-1.715 χ^2/NDF:10.6/12

Left: 3.843+/-1.203 χ^2/NDF: 54.0/26

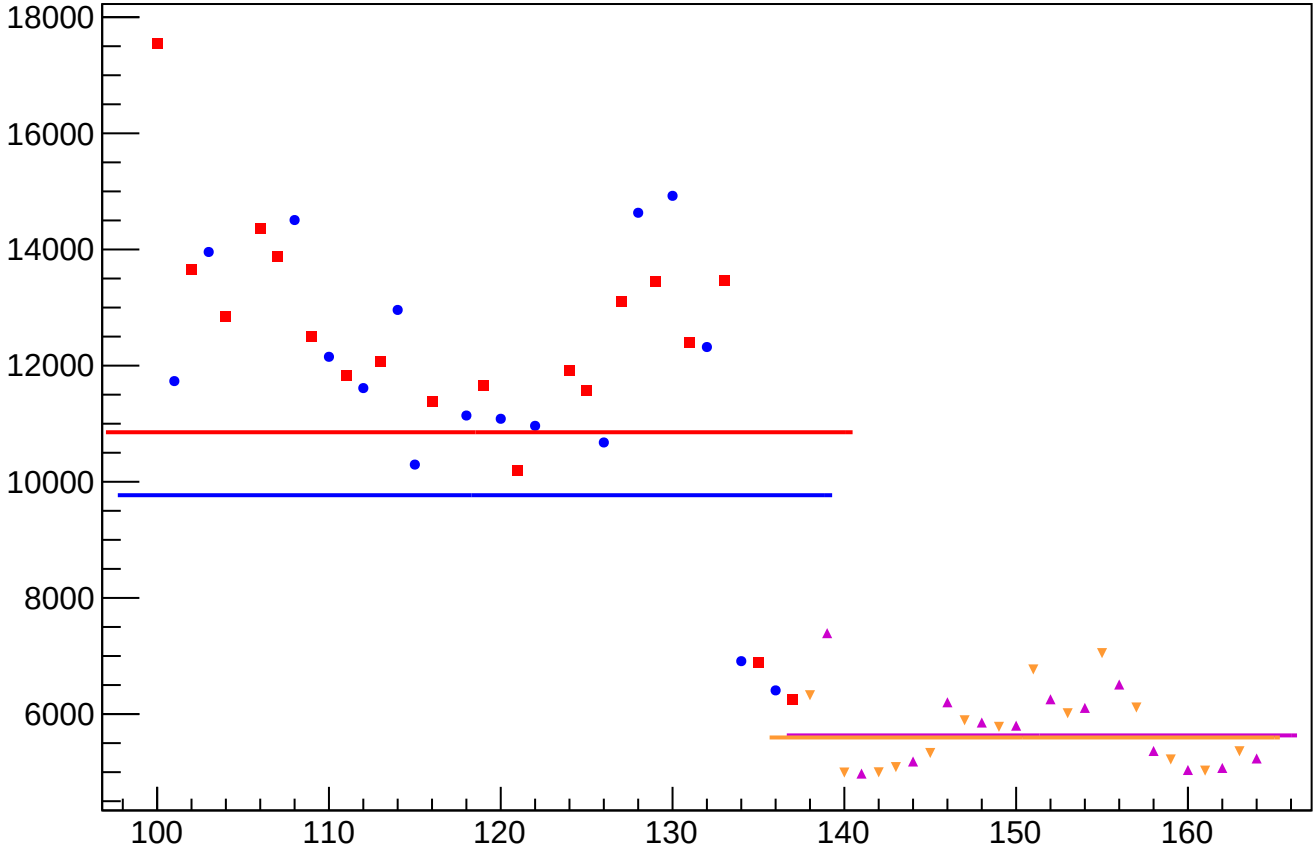
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 0.834+/-1.565 χ^2/NDF:36.1/28

Out: 5.814+/-1.560 χ^2/NDF:57.7/32

All: 3.331+/-1.105 χ^2/NDF: 98.9/61

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5597.188+/-1.193 χ^2/NDF:256096.4/13

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5632.815+/-1.213 χ^2/NDF:270419.7/12

Left: 5614.713+/-0.851 χ^2/NDF: 526954.6/26

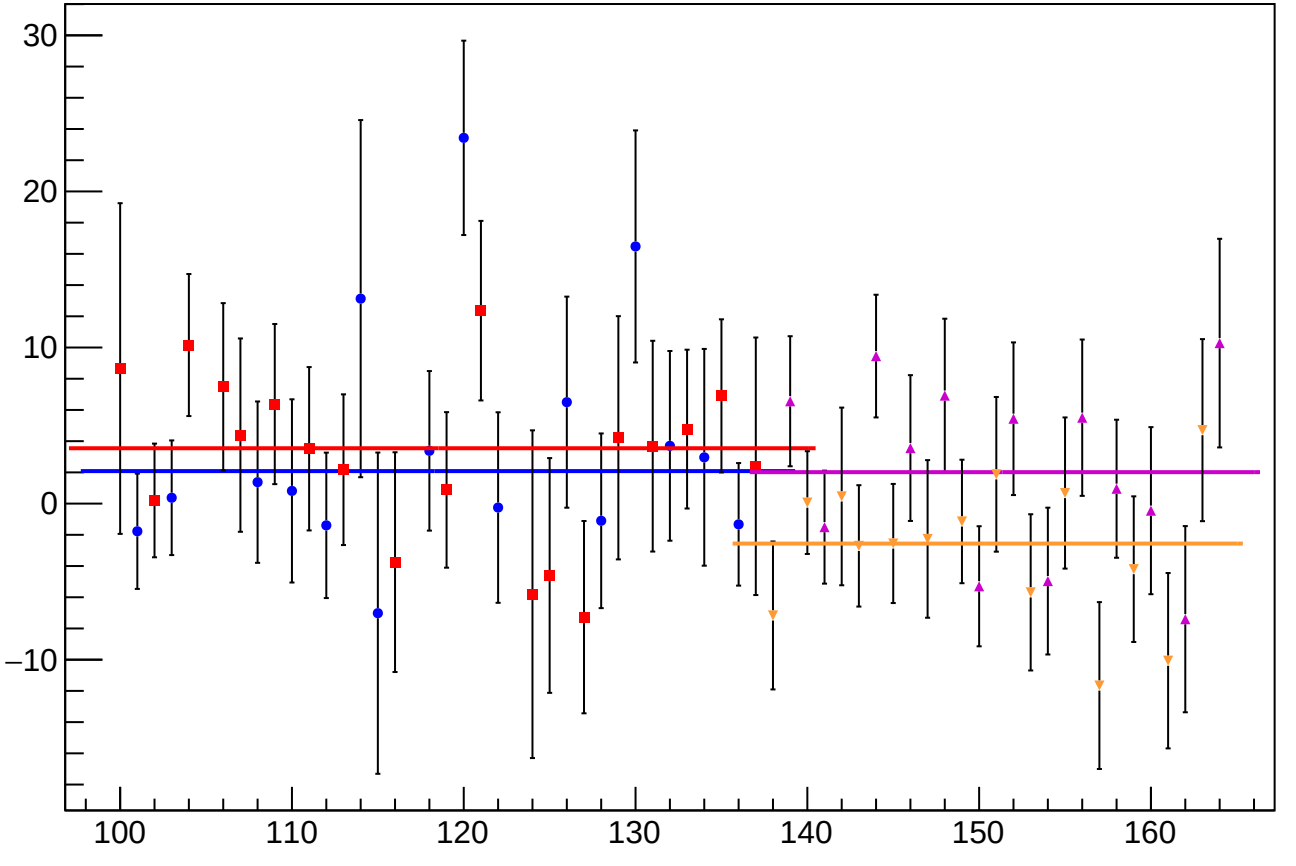
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6326.727+/-1.106 χ^2/NDF:3435522.6/28

Out: 6358.789+/-1.103 χ^2/NDF:3941969.6/32

All: 6342.801+/-0.781 χ^2/NDF: 7377913.2/61

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.561+/-1.221 χ^2/NDF:10.0/13

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 2.015+/-1.273 χ^2/NDF:17.9/12

Left: -0.370+/-0.881 χ^2/NDF: 34.6/26

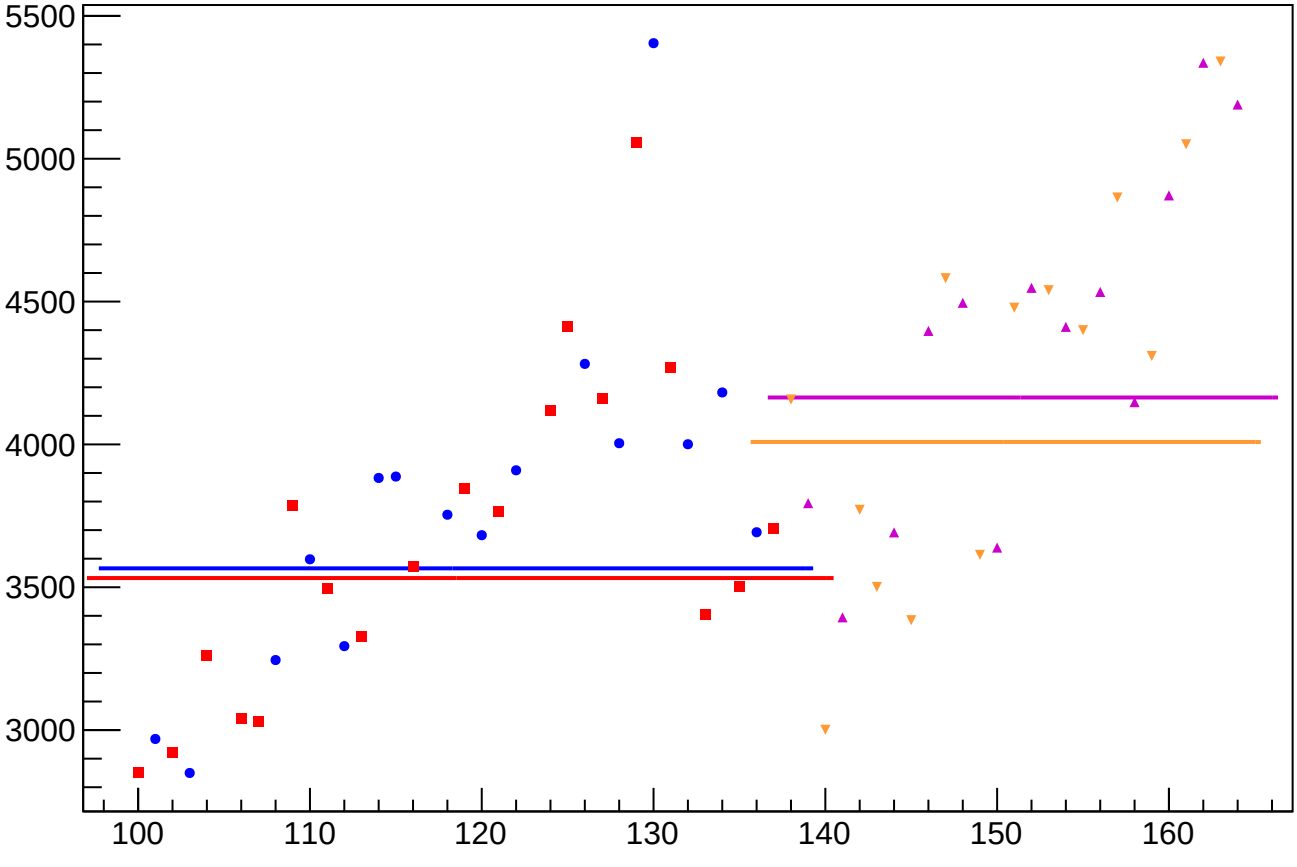
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.046+/-0.925 χ^2/NDF:38.9/28

Out: 0.291+/-0.891 χ^2/NDF:35.1/32

All: 1.136+/-0.642 χ^2/NDF: 75.9/61

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4008.552+/-0.863 χ^2/NDF:612456.4/13

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4164.211+/-0.900 χ^2/NDF:374383.4/12

Left: 4083.106+/-0.623 χ^2/NDF: 1002413.6/26

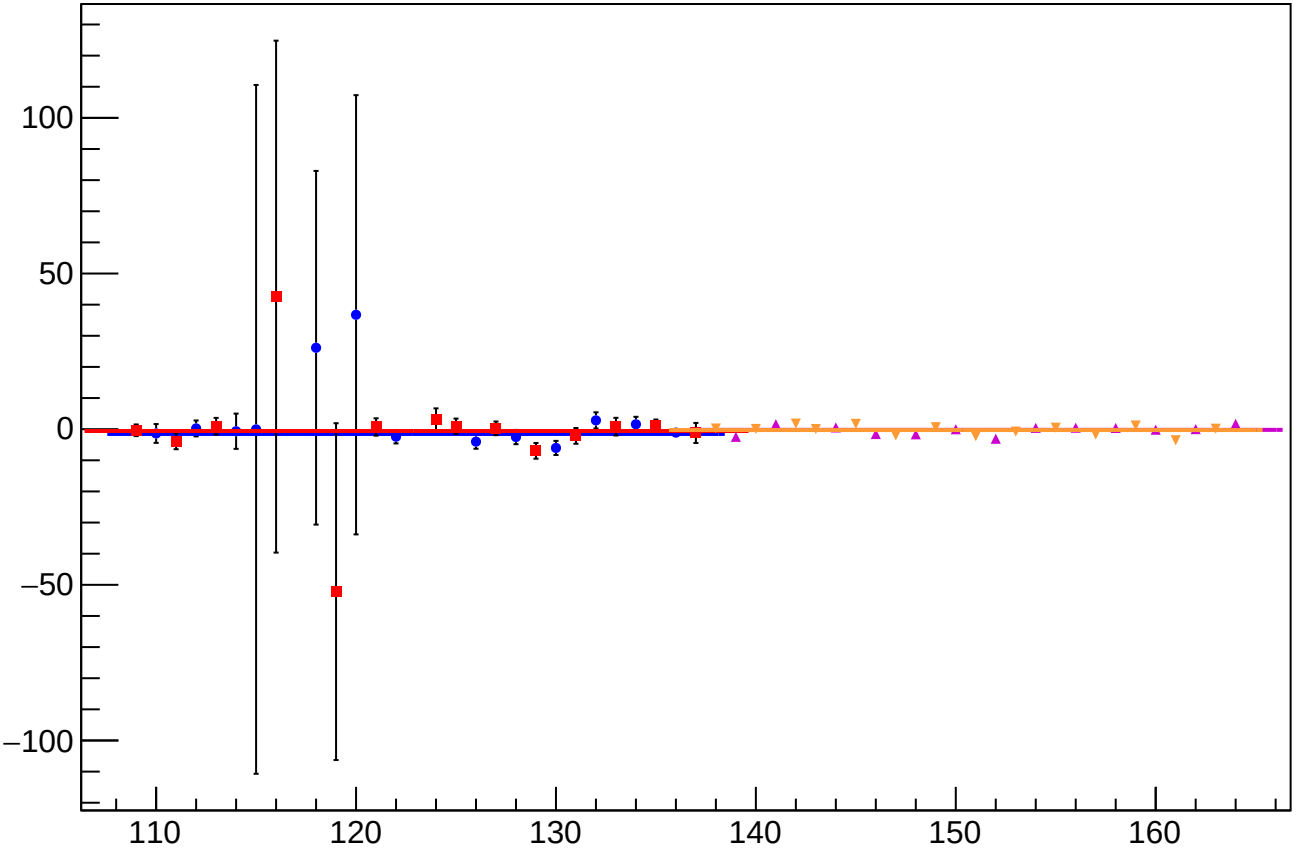
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3881.617+/-0.654 χ^2/NDF:923977.9/28

Out: 3786.087+/-0.630 χ^2/NDF:1033366.8/32

All: 3832.090+/-0.454 χ^2/NDF: 1968409.8/61

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.277+/-0.305 χ^2/NDF:23.7/13

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.217+/-0.307 χ^2/NDF:20.2/12

Left: -0.247+/-0.217 χ^2/NDF: 43.9/26

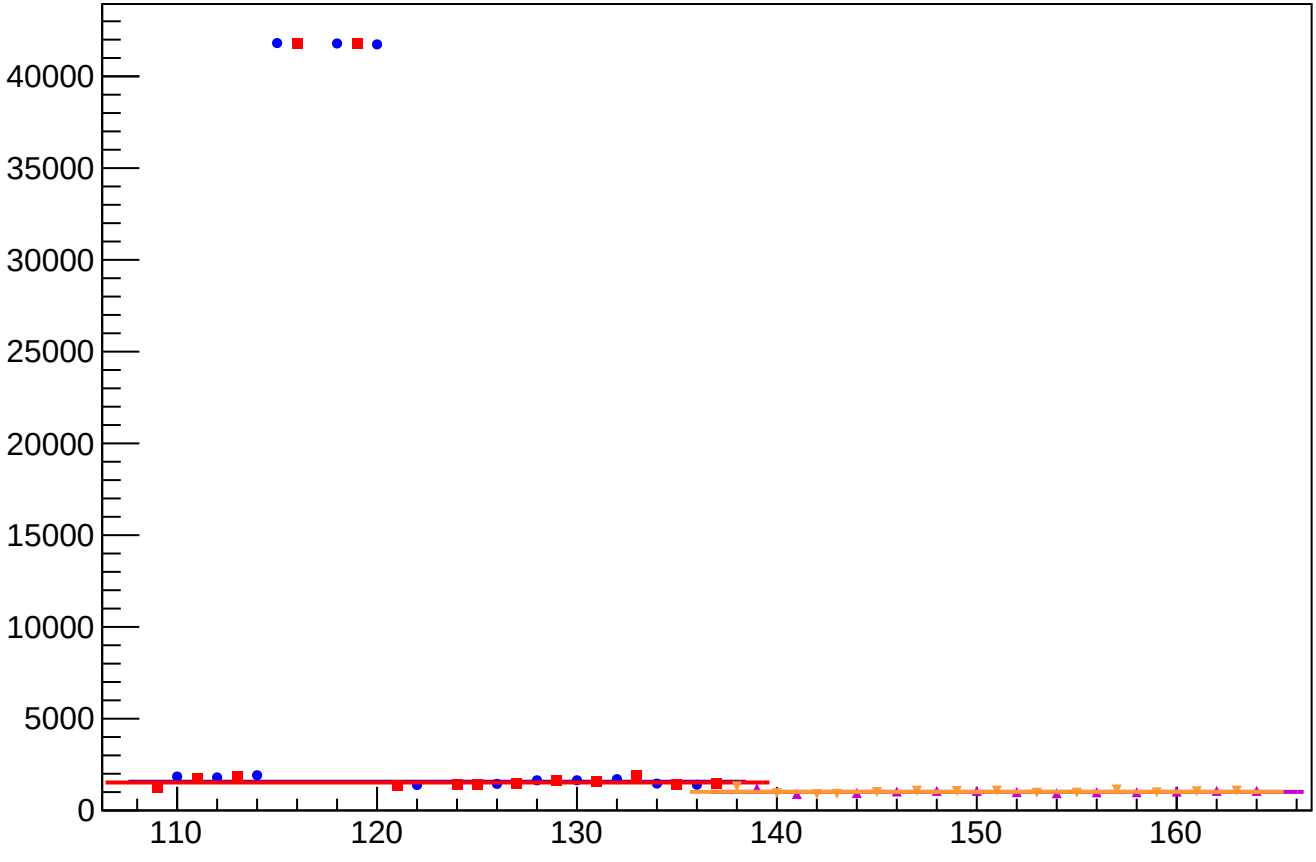
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.414+/-0.283 χ^2/NDF:34.0/25

Out: -0.325+/-0.281 χ^2/NDF:36.6/27

All: -0.369+/-0.199 χ^2/NDF: 70.7/53

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1015.190+/-0.216 χ^2/NDF:177256.5/13

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1012.699+/-0.217 χ^2/NDF:114310.5/12

Left: 1013.953+/-0.153 χ^2/NDF: 291633.2/26

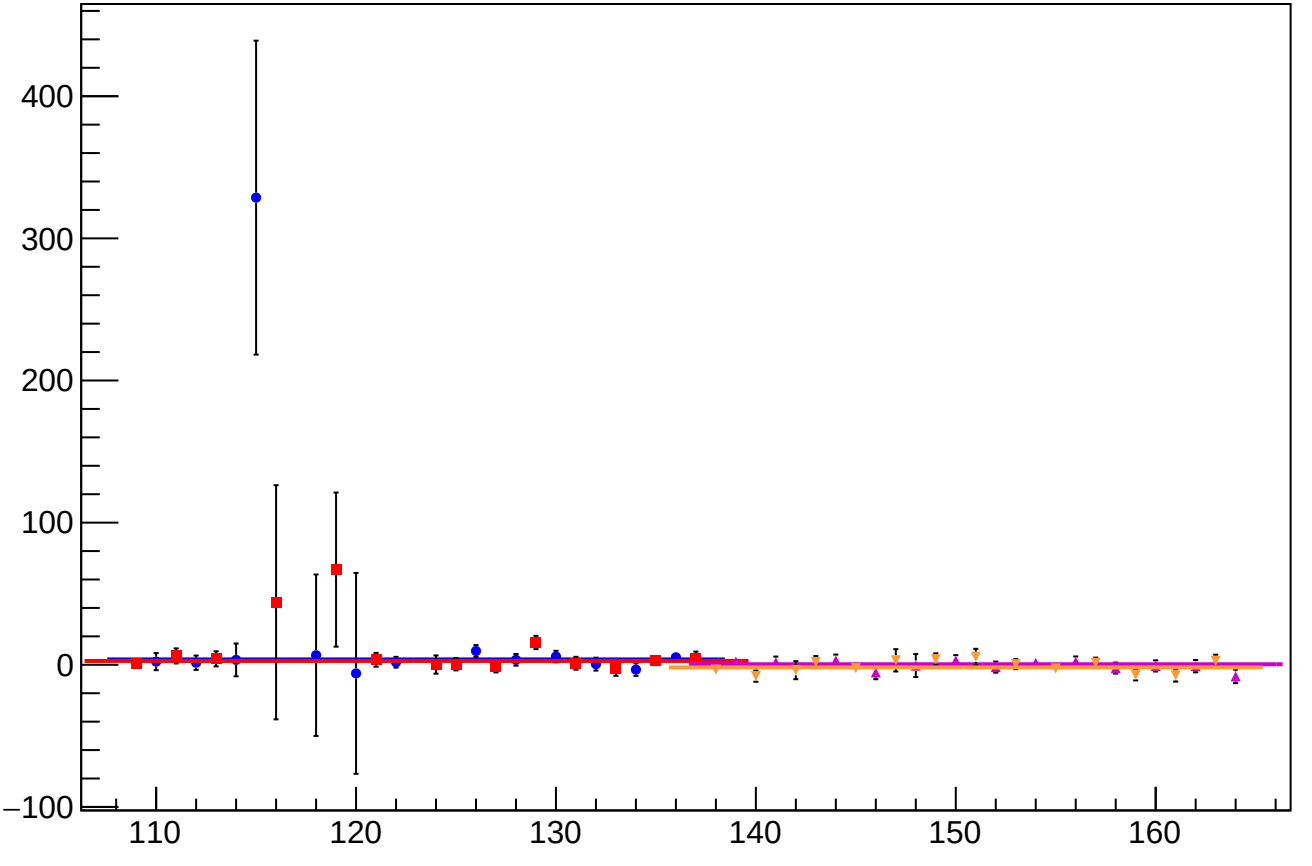
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1095.205+/-0.200 χ^2/NDF:3095260.7/25

Out: 1093.169+/-0.199 χ^2/NDF:2768323.2/27

All: 1094.178+/-0.141 χ^2/NDF: 5863636.1/53

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.853+/-1.016 χ^2/NDF:13.9/13

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.368+/-1.036 χ^2/NDF:7.8/12

Left: -0.765+/-0.725 χ^2/NDF: 24.0/26

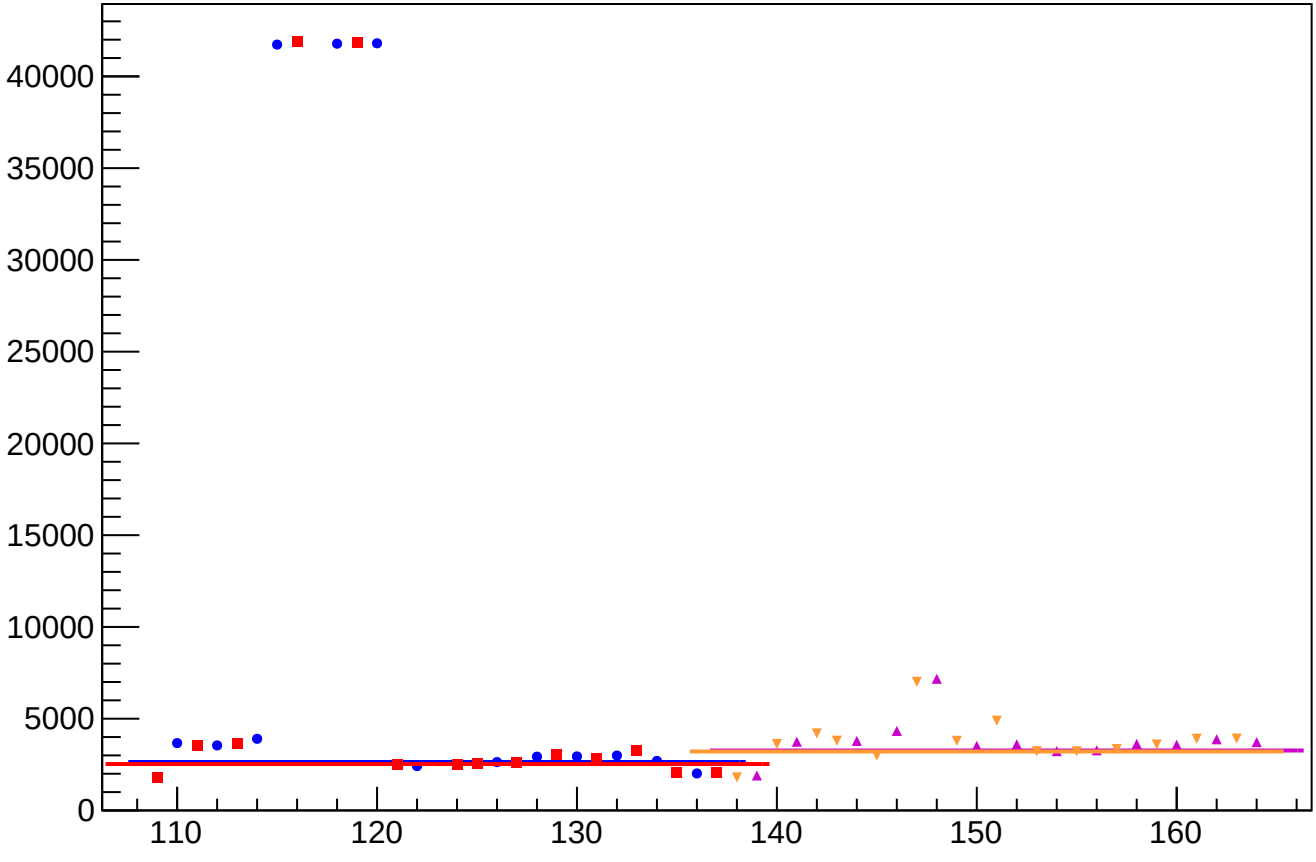
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.758+/-0.797 χ^2/NDF:27.3/25

Out: 0.031+/-0.778 χ^2/NDF:35.8/27

All: 0.874+/-0.557 χ^2/NDF: 65.6/53

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3214.897+/-0.718 χ^2/NDF:1834741.0/13

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3267.165+/-0.733 χ^2/NDF:1567440.4/12

Left: 3240.508+/-0.513 χ^2/NDF: 3404776.6/26

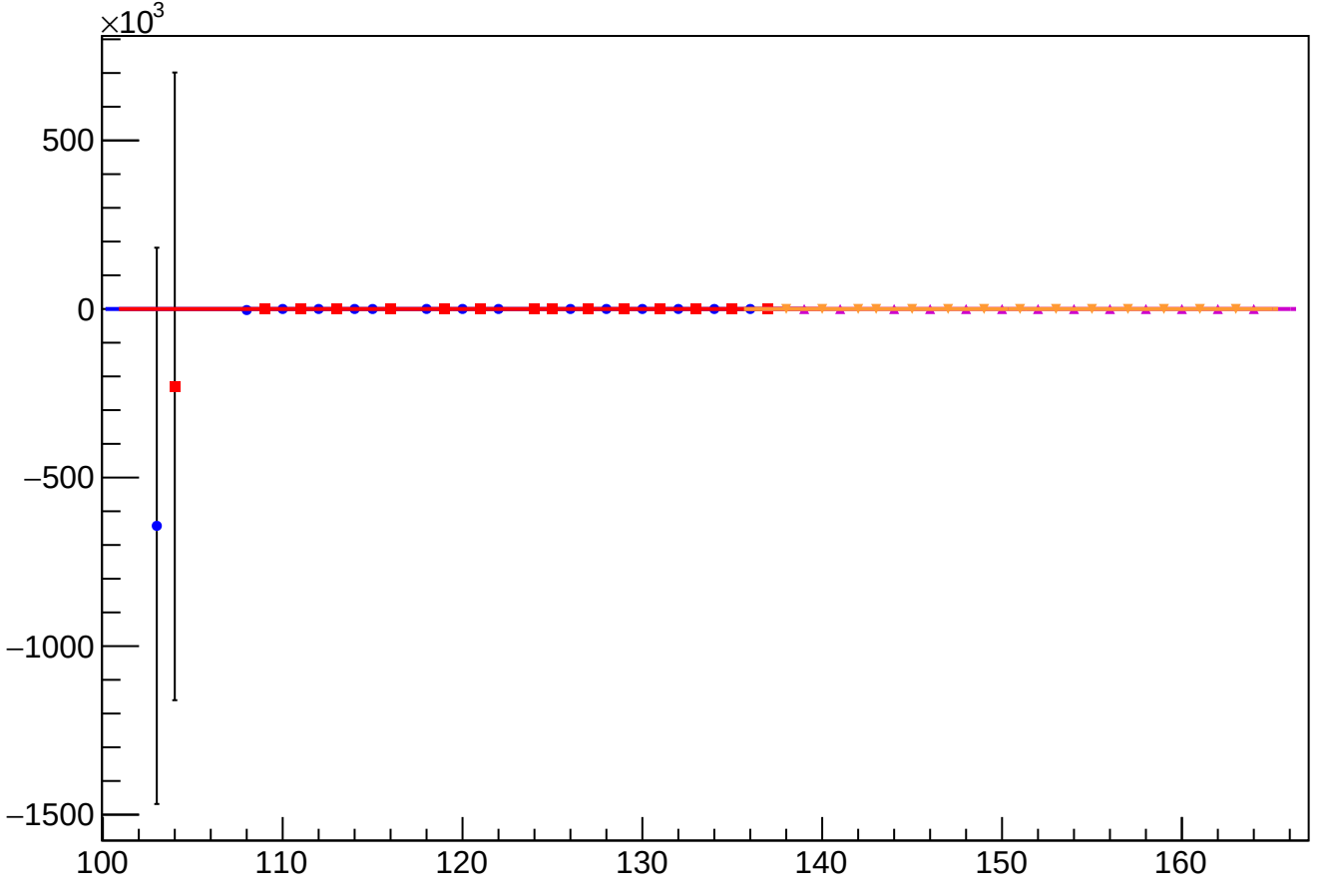
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3011.290+/-0.564 χ^2/NDF:4039766.7/25

Out: 2931.637+/-0.550 χ^2/NDF:4161317.8/27

All: 2970.496+/-0.394 χ^2/NDF: 8211307.0/53

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -2.080+/-0.474 χ^2/NDF:26.2/13

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.089+/-0.482 χ^2/NDF:14.0/12

Left: -1.014+/-0.338 χ^2/NDF: 50.5/26

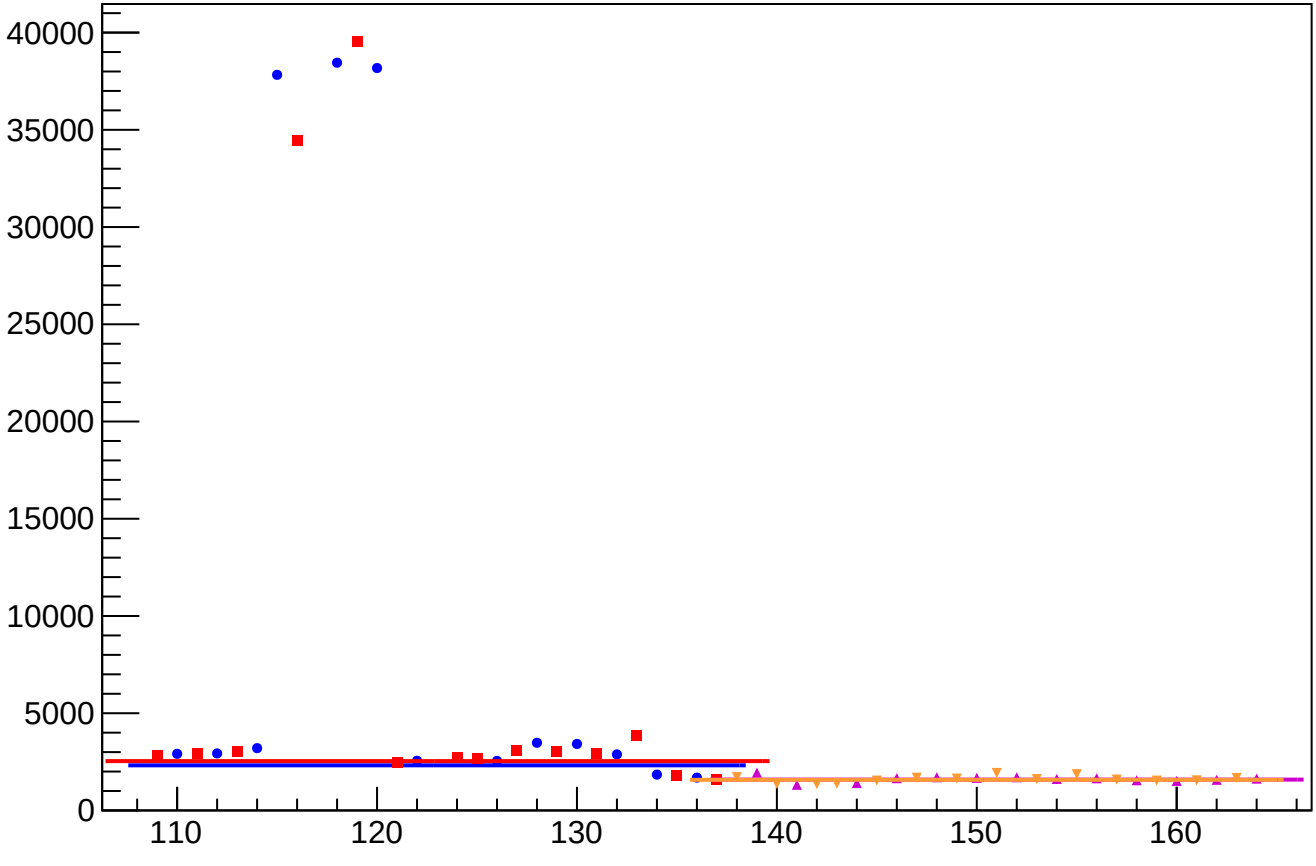
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.113+/-0.443 χ^2/NDF:33.9/27

Out: -1.449+/-0.441 χ^2/NDF:54.0/28

All: -0.783+/-0.313 χ^2/NDF: 92.5/56

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1575.147+/-0.335 χ^2/NDF:223416.6/13

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1586.212+/-0.341 χ^2/NDF:191816.6/12

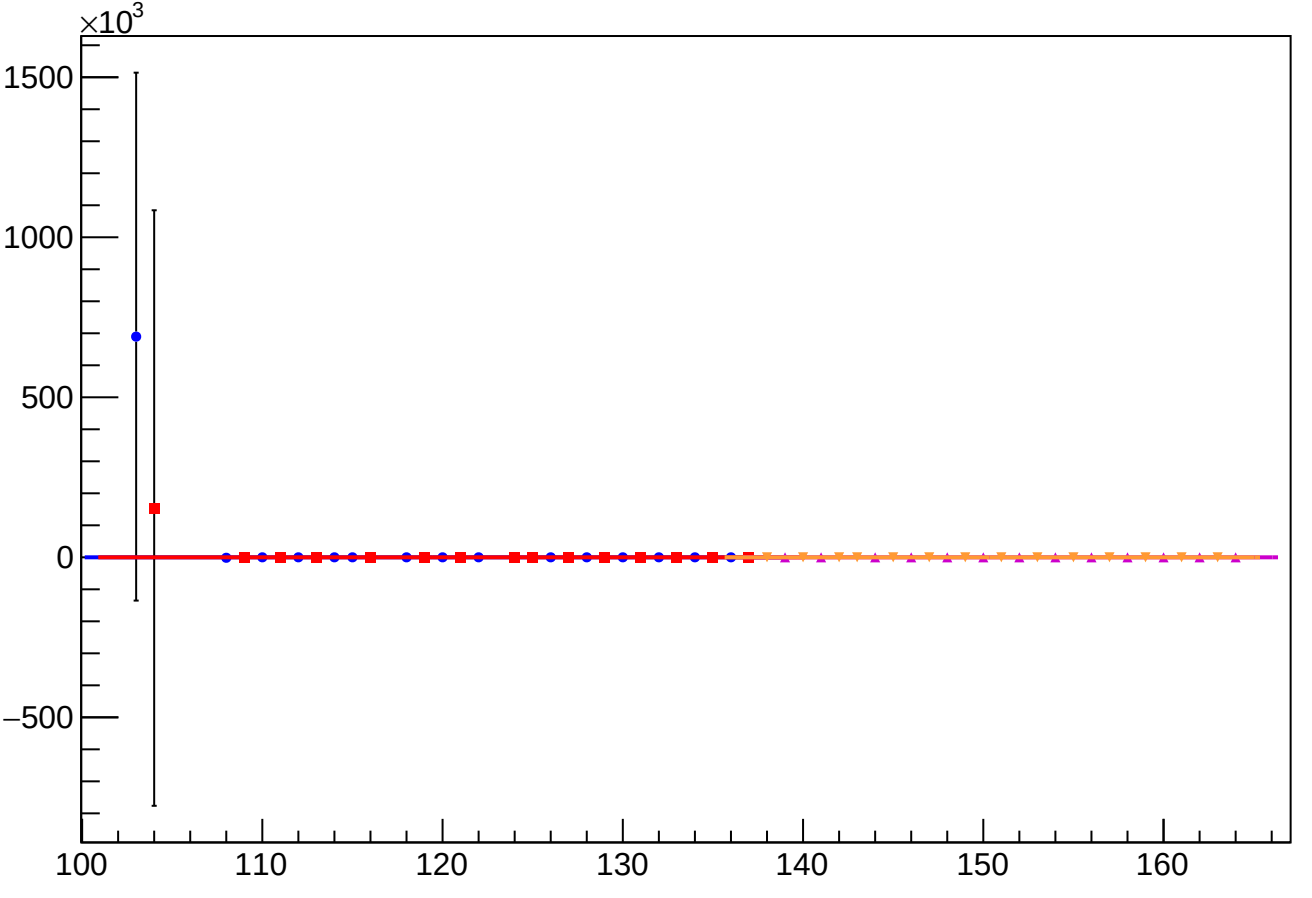
Left: 1580.585+/-0.239 χ^2/NDF: 415768.5/26

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1700.166+/-0.313 χ^2/NDF:3372605.4/25

Out: 1703.045+/-0.312 χ^2/NDF:3356780.0/27

All: 1701.611+/-0.221 χ^2/NDF: 6729427.7/53



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.831+/-0.650 χ^2/NDF:17.6/13

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.306+/-0.628 χ^2/NDF:8.9/12

Left: -0.560+/-0.452 χ^2/NDF: 26.8/26

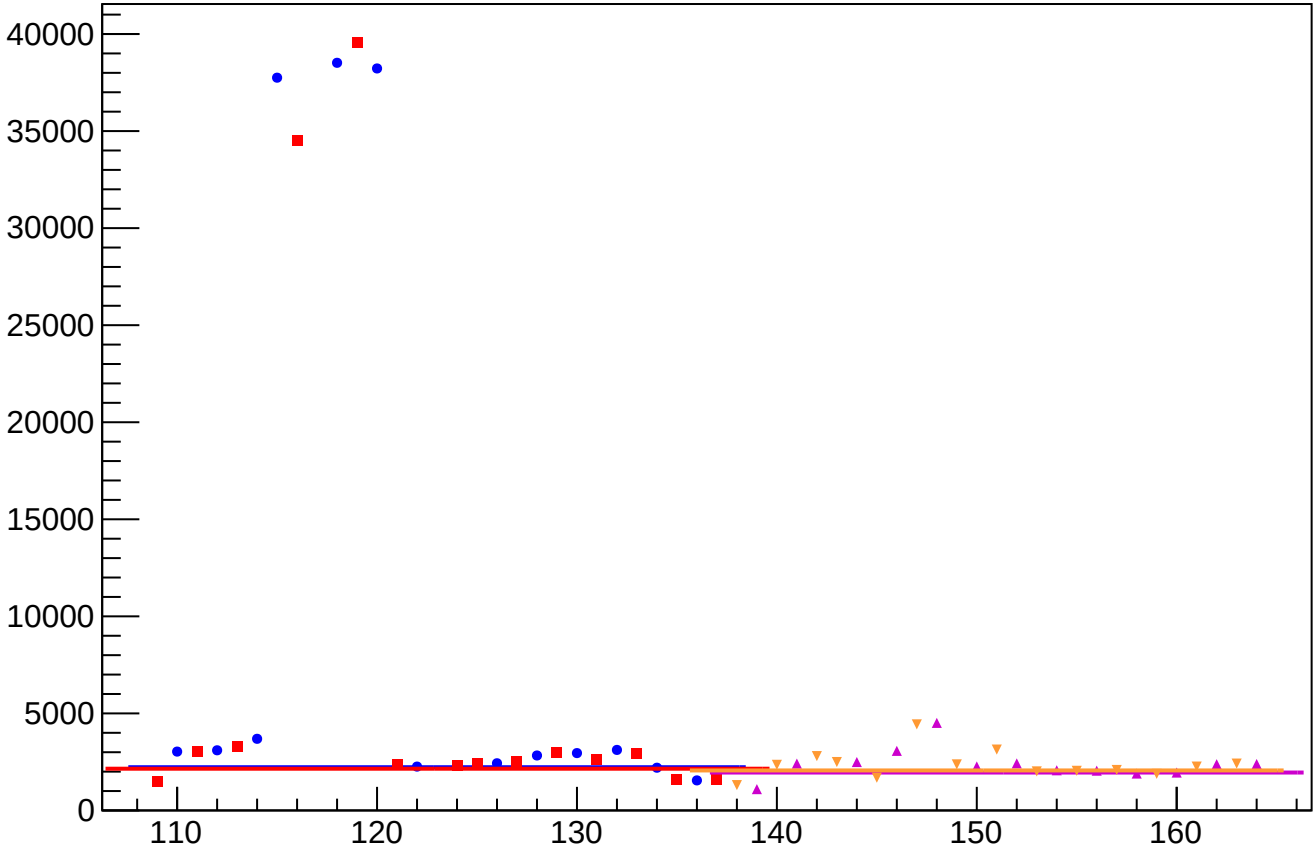
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.205+/-0.543 χ^2/NDF:16.5/27

Out: -0.079+/-0.553 χ^2/NDF:37.8/28

All: 0.066+/-0.387 χ^2/NDF: 54.4/56

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2061.277+/-0.459 χ^2/NDF:1374004.0/13

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1953.775+/-0.444 χ^2/NDF:2096279.5/12

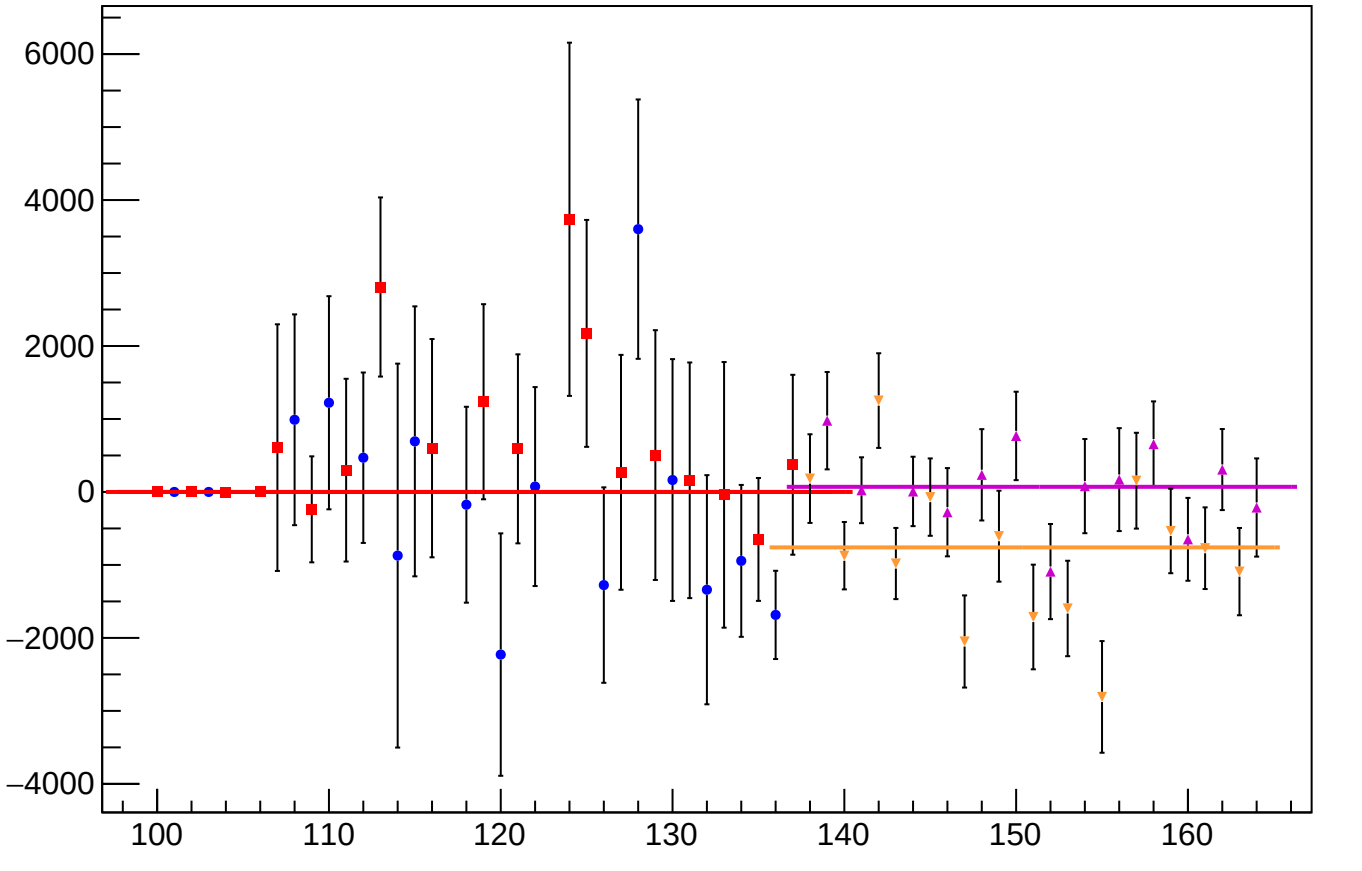
Left: 2005.727+/-0.319 χ^2/NDF: 3498593.0/26

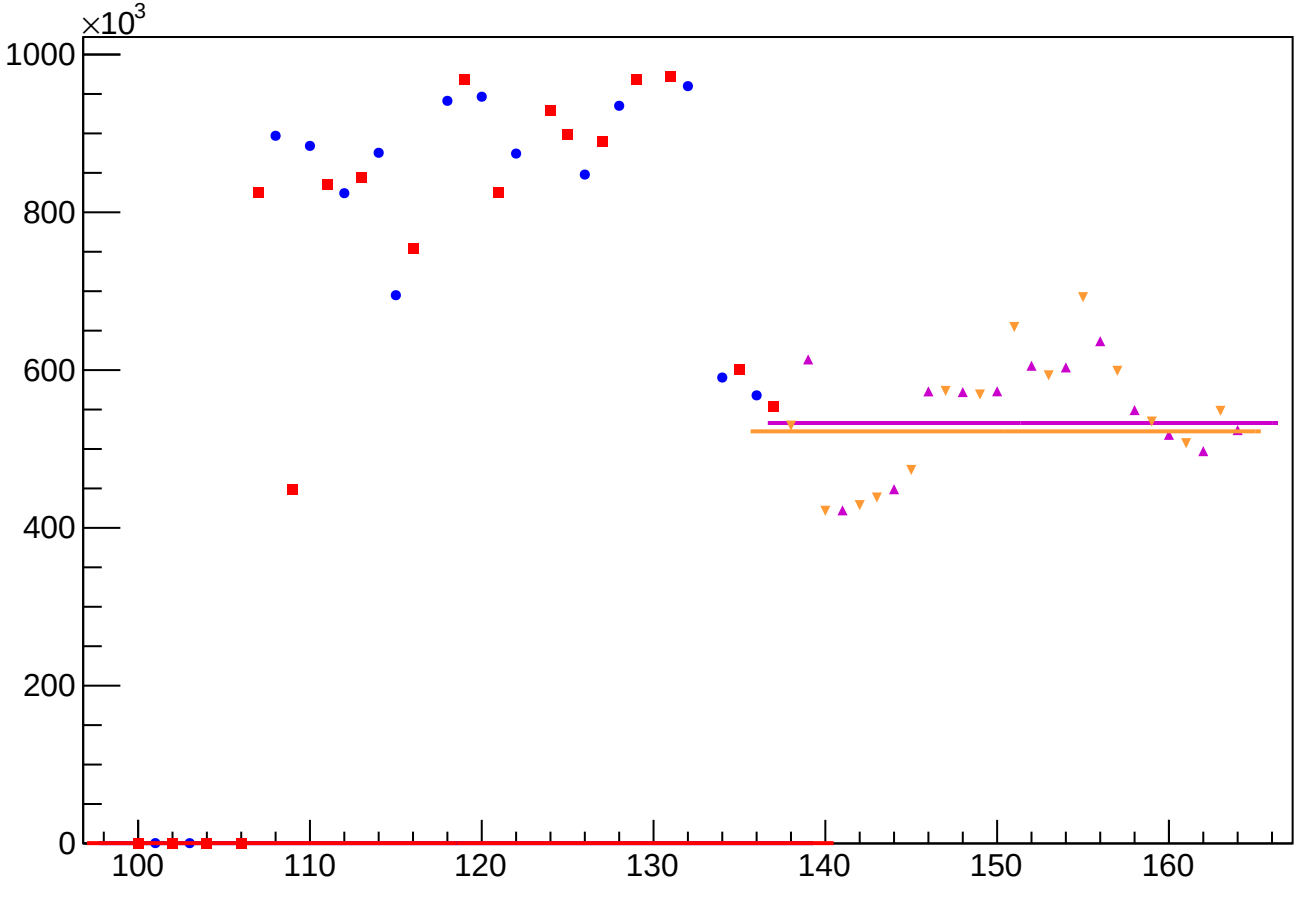
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2023.170+/-0.384 χ^2/NDF:4714655.5/25

Out: 2086.006+/-0.391 χ^2/NDF:3615825.4/27

All: 2054.008+/-0.274 χ^2/NDF: 8343647.9/53


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -759.552+/-158.289 χ²/NDF:31.2/13
Right Out: -0.096+/-0.328 χ²/NDF: 15.4/18
Left In: 70.357+/-162.582 χ²/NDF:9.8/12
Left: -355.700+/-113.415 χ²/NDF: 54.3/26
Right: 0.065+/-0.241 χ²/NDF: 33.7/34
In: 0.256+/-0.356 χ²/NDF:27.7/28
Out: -0.099+/-0.328 χ²/NDF:69.6/32
All: 0.064+/-0.241 χ²/NDF: 97.9/61



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 522373.782+/-111.927 χ^2/NDF:461509.5/13

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 532952.527+/-114.963 χ^2/NDF:340826.4/12

Left: 527521.635+/-80.196 χ^2/NDF: 806682.9/26

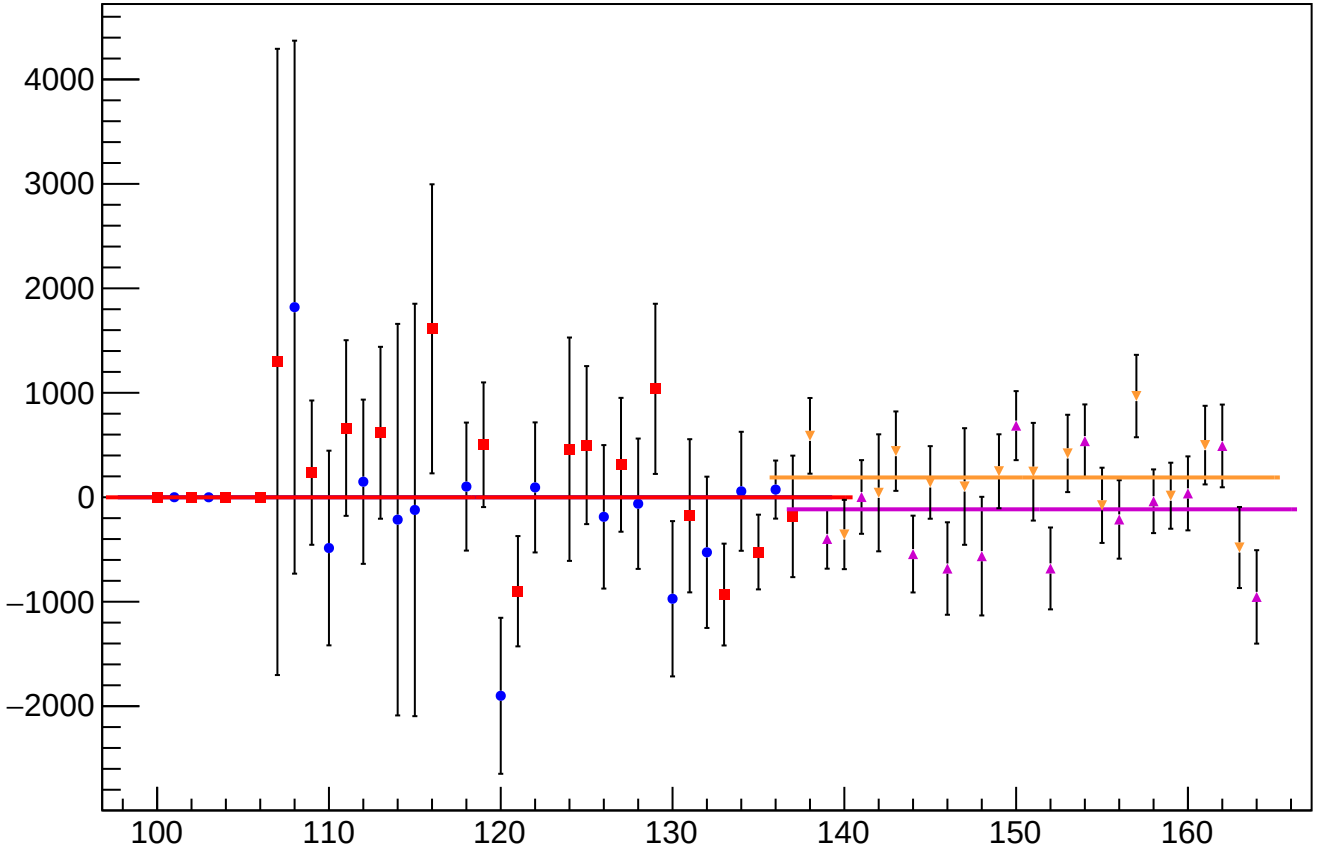
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 401.429+/-0.251 χ^2/NDF:30291621.8/27

Out: 395.478+/-0.232 χ^2/NDF:29858920.2/31

All: 398.211+/-0.170 χ^2/NDF: 60150844.8/59

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 189.618+/-102.061 χ^2/NDF:13.3/13

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -115.383+/-101.574 χ^2/NDF:22.3/12

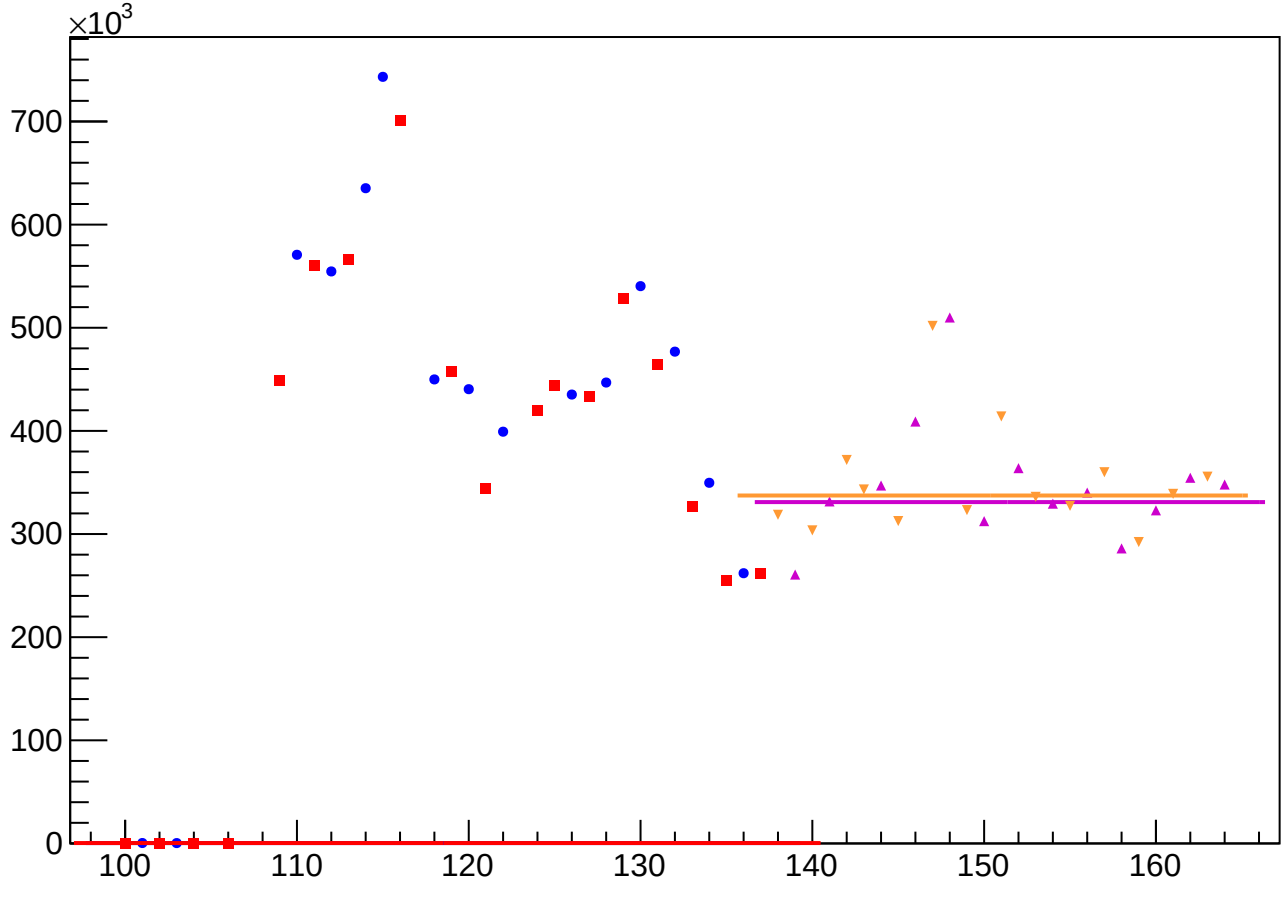
Left: 36.388+/-71.995 χ^2/NDF: 40.1/26

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:34.1/28

Out: -0.597+/-0.324 χ^2/NDF:31.8/32

All: -0.329+/-0.237 χ^2/NDF: 67.3/61



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 337358.887+/-72.168 χ^2/NDF:328191.4/13

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 330965.189+/-71.829 χ^2/NDF:462126.4/12

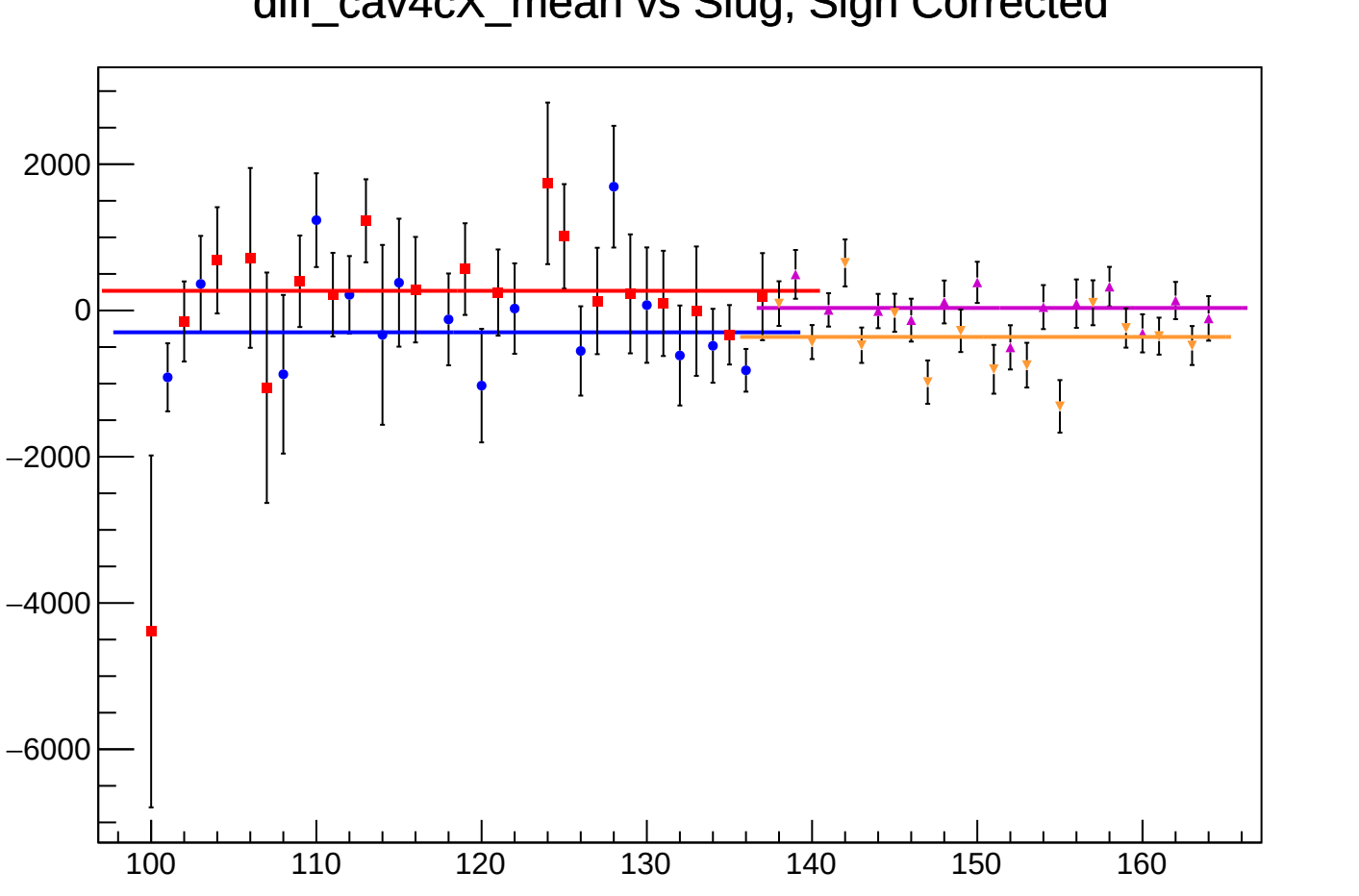
Left: 334146.998+/-50.910 χ^2/NDF: 794260.7/26

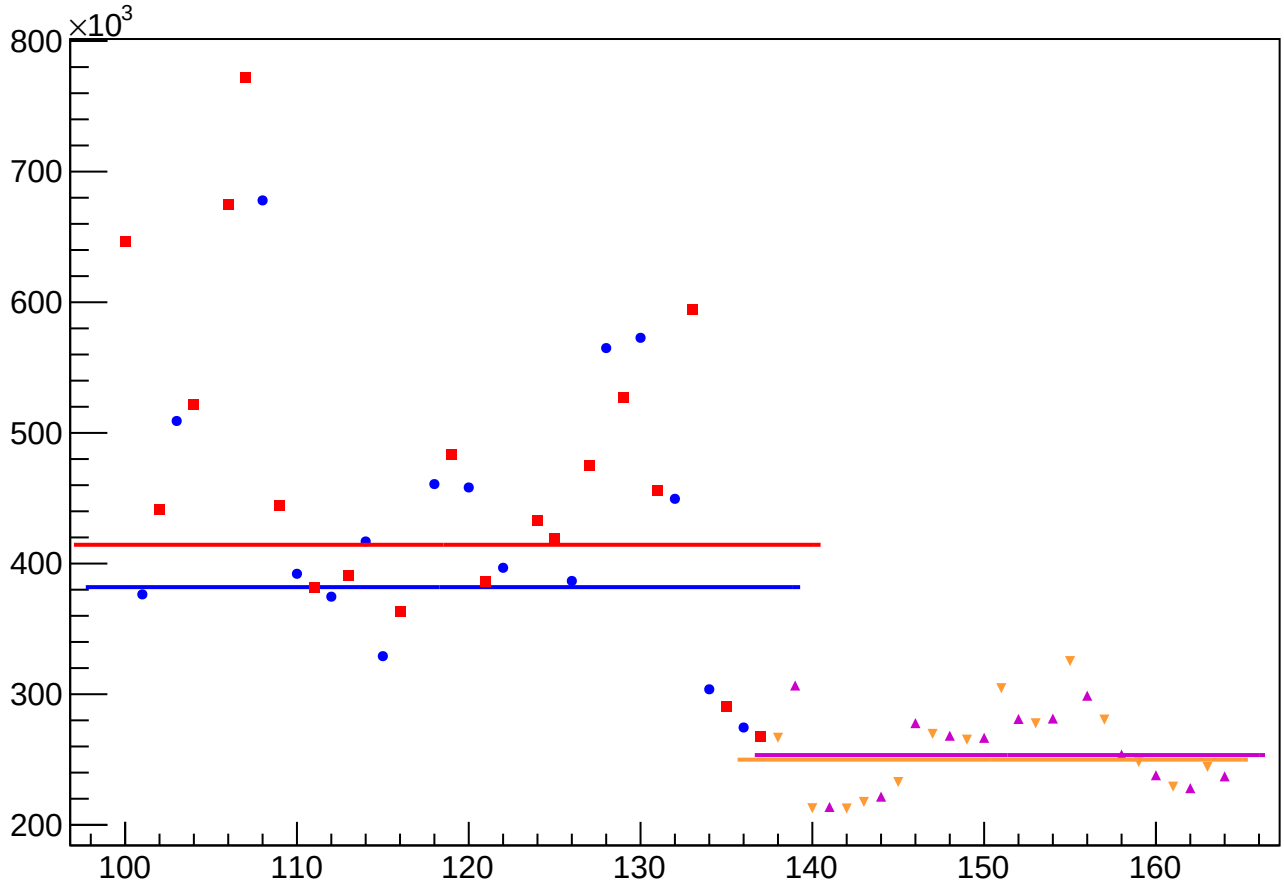
Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 394.136+/-0.245 χ^2/NDF:32774763.2/27

Out: 391.376+/-0.229 χ^2/NDF:33204336.7/31

All: 392.660+/-0.167 χ^2/NDF: 65979167.5/59


diff_cav4cX_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -298.263+/-147.367 χ²/NDF: 21.2/15
Left Out: -361.523+/-75.477 χ²/NDF:31.5/13
Right Out: 268.892+/-156.582 χ²/NDF: 13.9/18
Left In: 34.452+/-77.169 χ²/NDF:10.4/12
Left: -167.923+/-53.959 χ²/NDF: 55.4/26
Right: -31.865+/-107.314 χ²/NDF: 42.0/34
In: -37.148+/-68.363 χ²/NDF:35.6/28
Out: -242.663+/-67.990 χ²/NDF:58.6/32
All: -140.467+/-48.208 χ²/NDF: 98.7/61



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 249916.772+/-53.370 χ^2/NDF:335556.0/13

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 253436.602+/-54.567 χ^2/NDF:275870.6/12

Left: 251637.683+/-38.154 χ^2/NDF: 613553.2/26

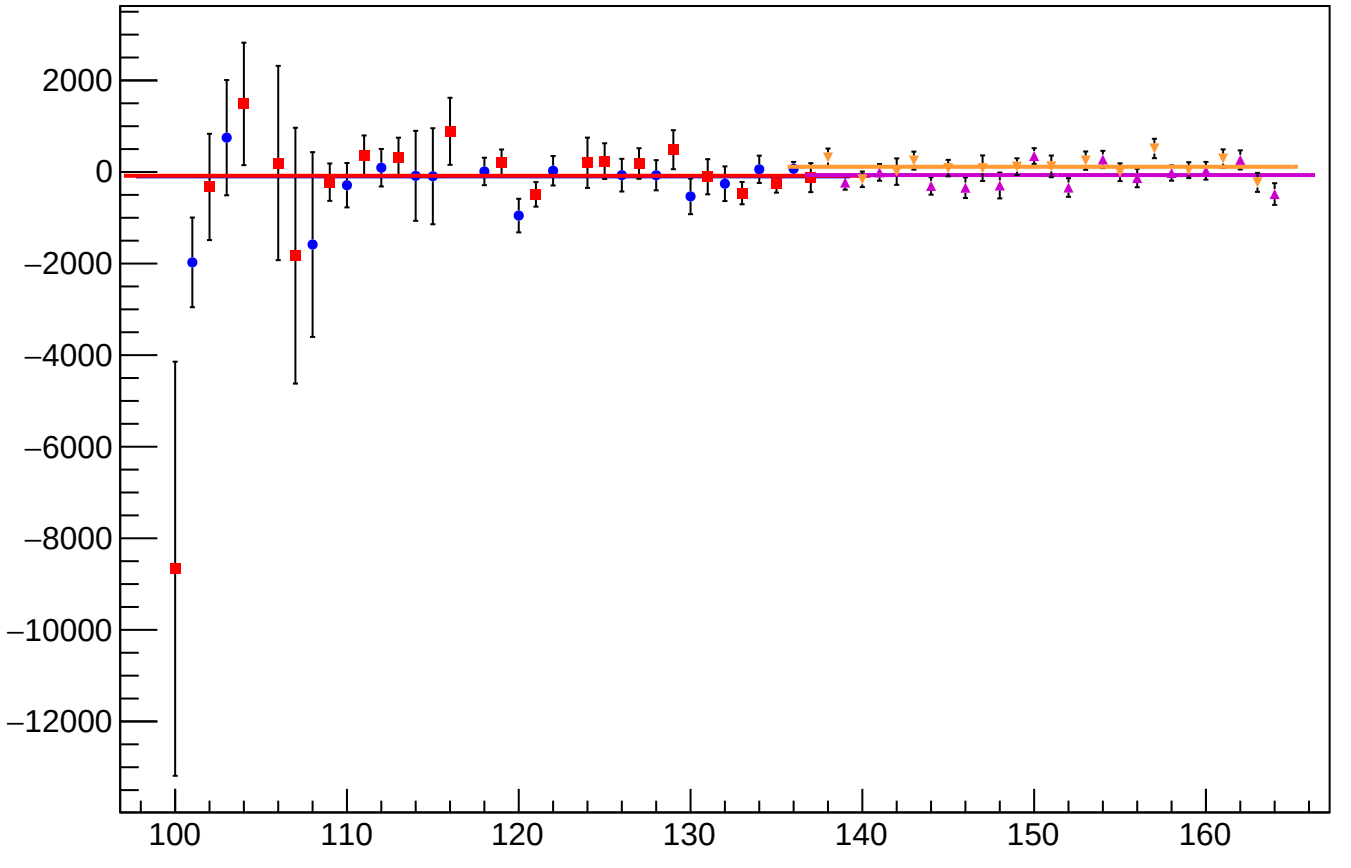
Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 281087.032+/-48.342 χ^2/NDF:2305839.9/28

Out: 280912.074+/-48.079 χ^2/NDF:2885254.3/32

All: 280999.076+/-34.089 χ^2/NDF: 5191100.

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 113.847+/-53.807 χ^2/NDF:12.4/13

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -66.933+/-53.830 χ^2/NDF:21.8/12

Left: 23.496+/-38.055 χ^2/NDF: 39.8/26

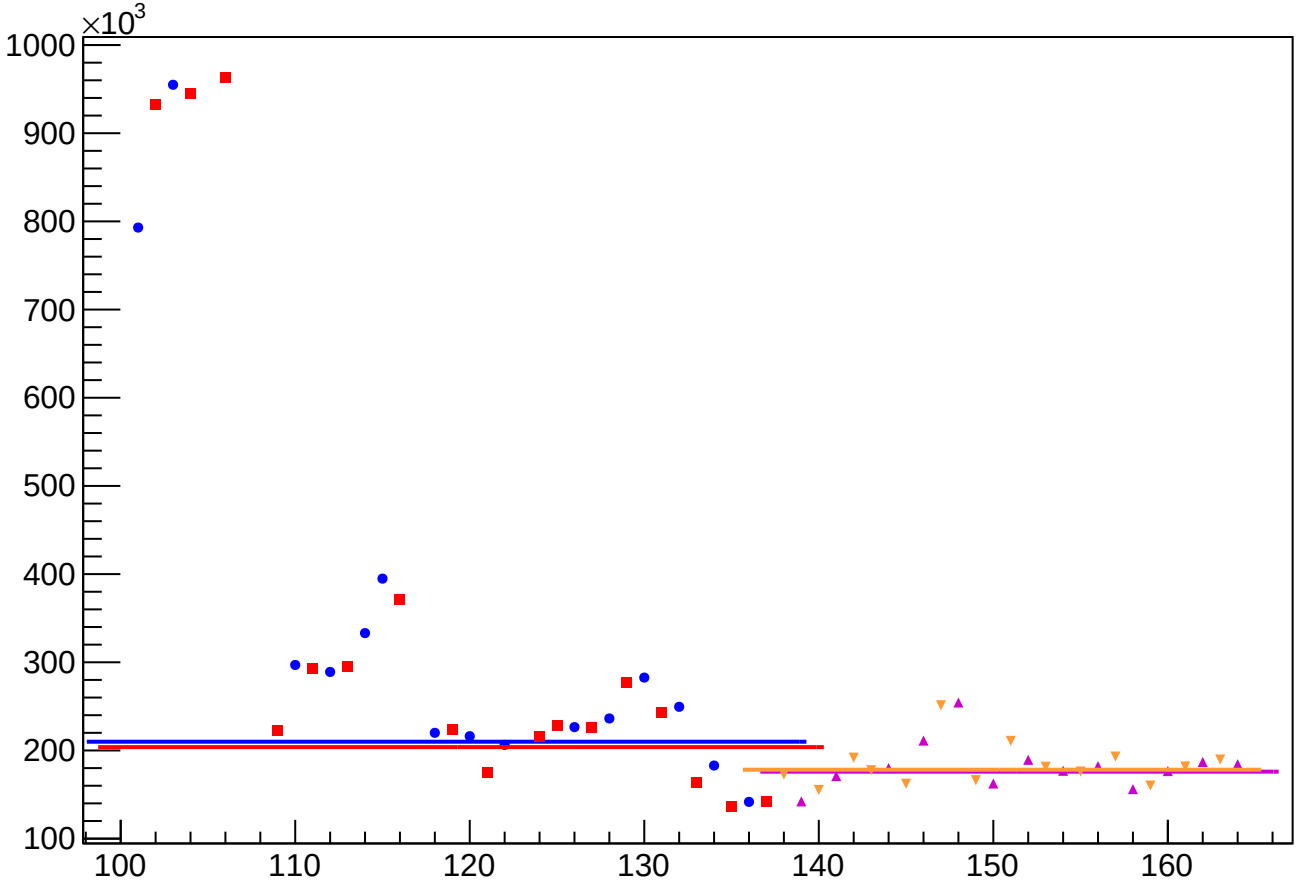
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -74.772+/-45.958 χ^2/NDF:35.5/28

Out: 59.739+/-45.808 χ^2/NDF:35.2/32

All: -7.297+/-32.444 χ^2/NDF: 75.0/61

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 178181.933+/-38.047 χ^2/NDF:280903.8/13

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 175970.636+/-38.063 χ^2/NDF:357576.3/12

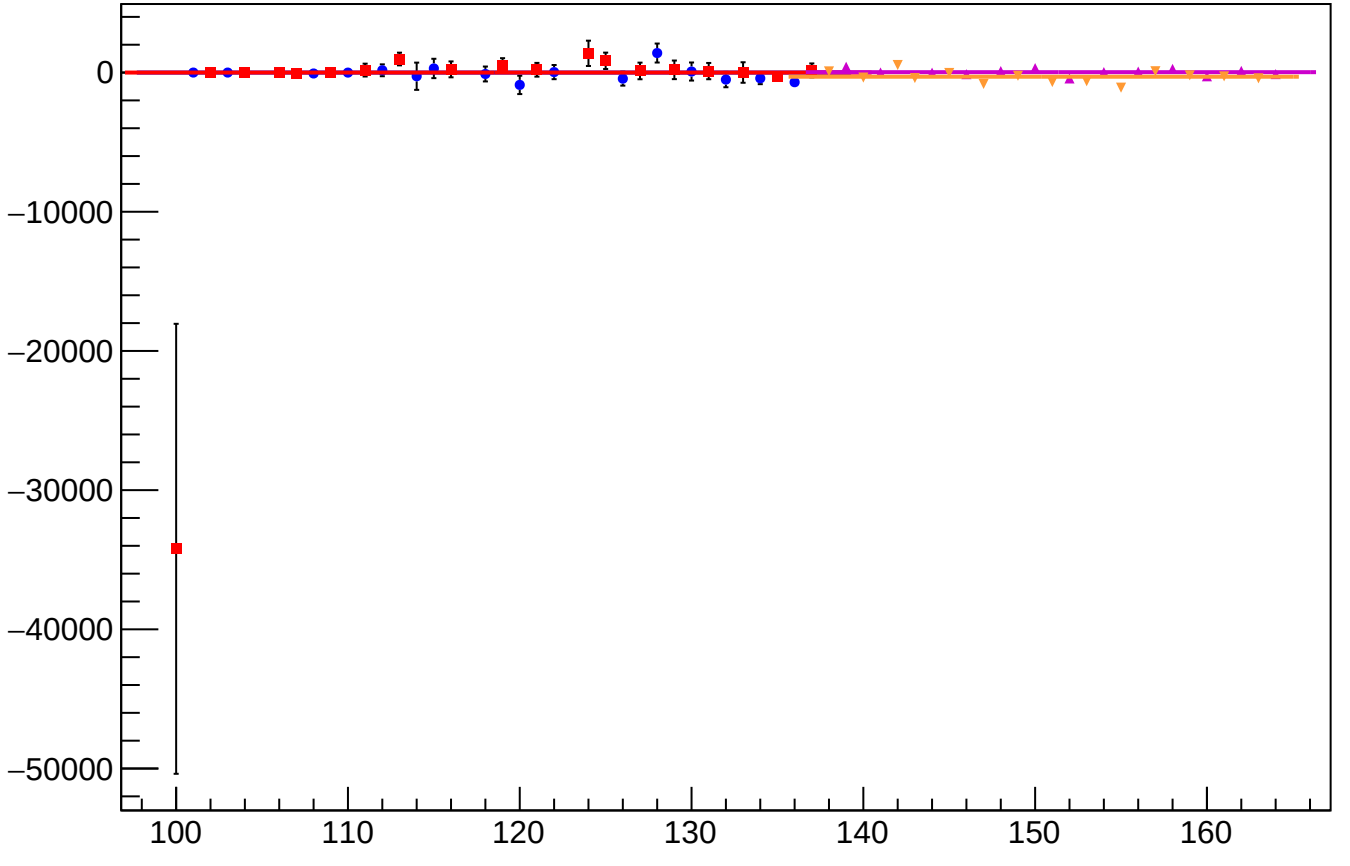
Left: 177076.755+/-26.909 χ^2/NDF: 640168.3/26

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 185153.258+/-32.512 χ^2/NDF:2532703.8/27

Out: 185205.609+/-32.413 χ^2/NDF:2475648.7/30

All: 185179.514+/-22.954 χ^2/NDF: 5008353.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -298.540+/-63.193 χ^2/NDF:31.6/13

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 28.034+/-64.745 χ^2/NDF:10.5/12

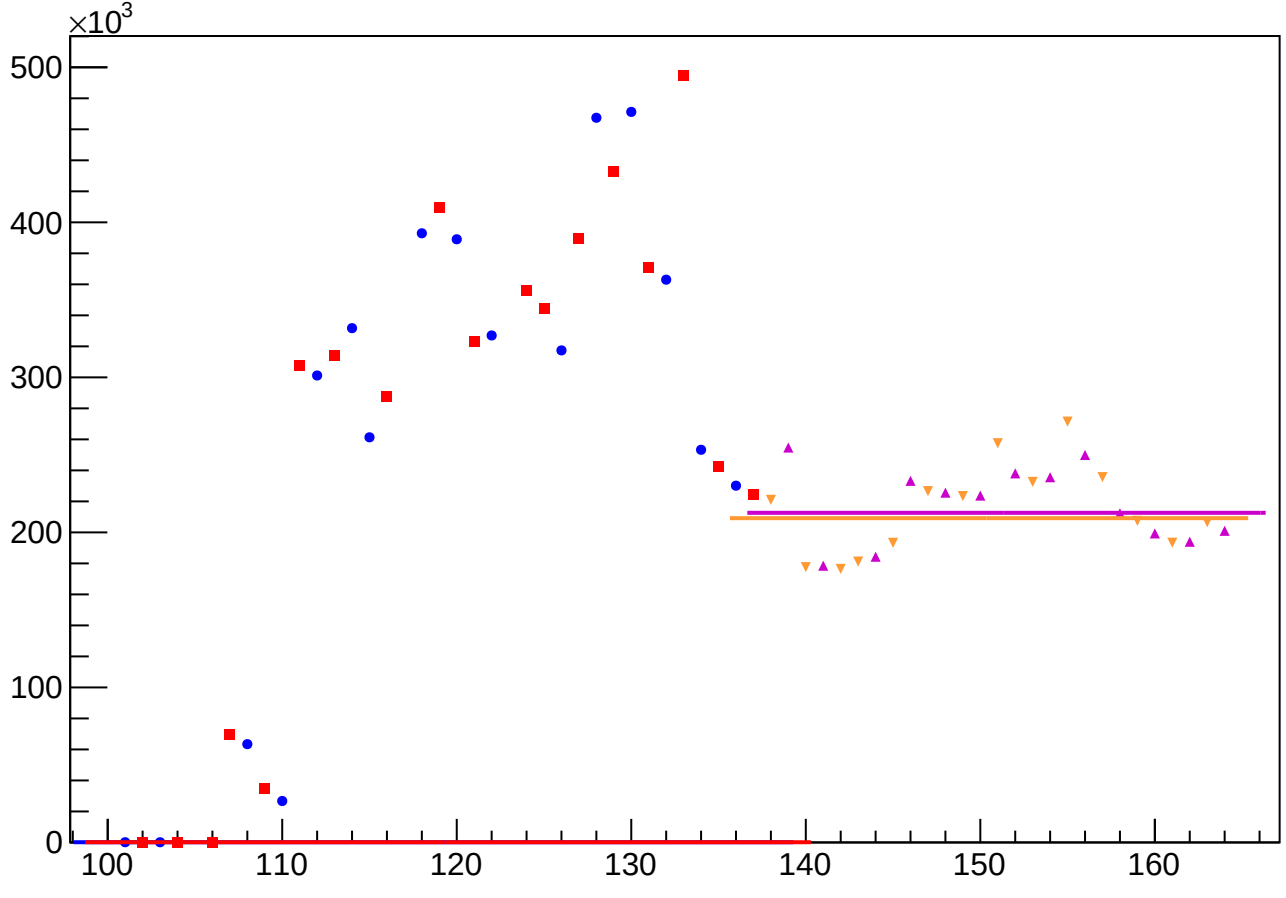
Left: -139.214+/-45.223 χ^2/NDF: 55.2/26

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:28.8/28

Out: 0.353+/-0.160 χ^2/NDF:70.5/32

All: 0.173+/-0.117 χ^2/NDF: 102.0/61



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 209173.257+/-44.684 χ^2/NDF:347304.5/13

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 212635.638+/-45.782 χ^2/NDF:275377.6/12

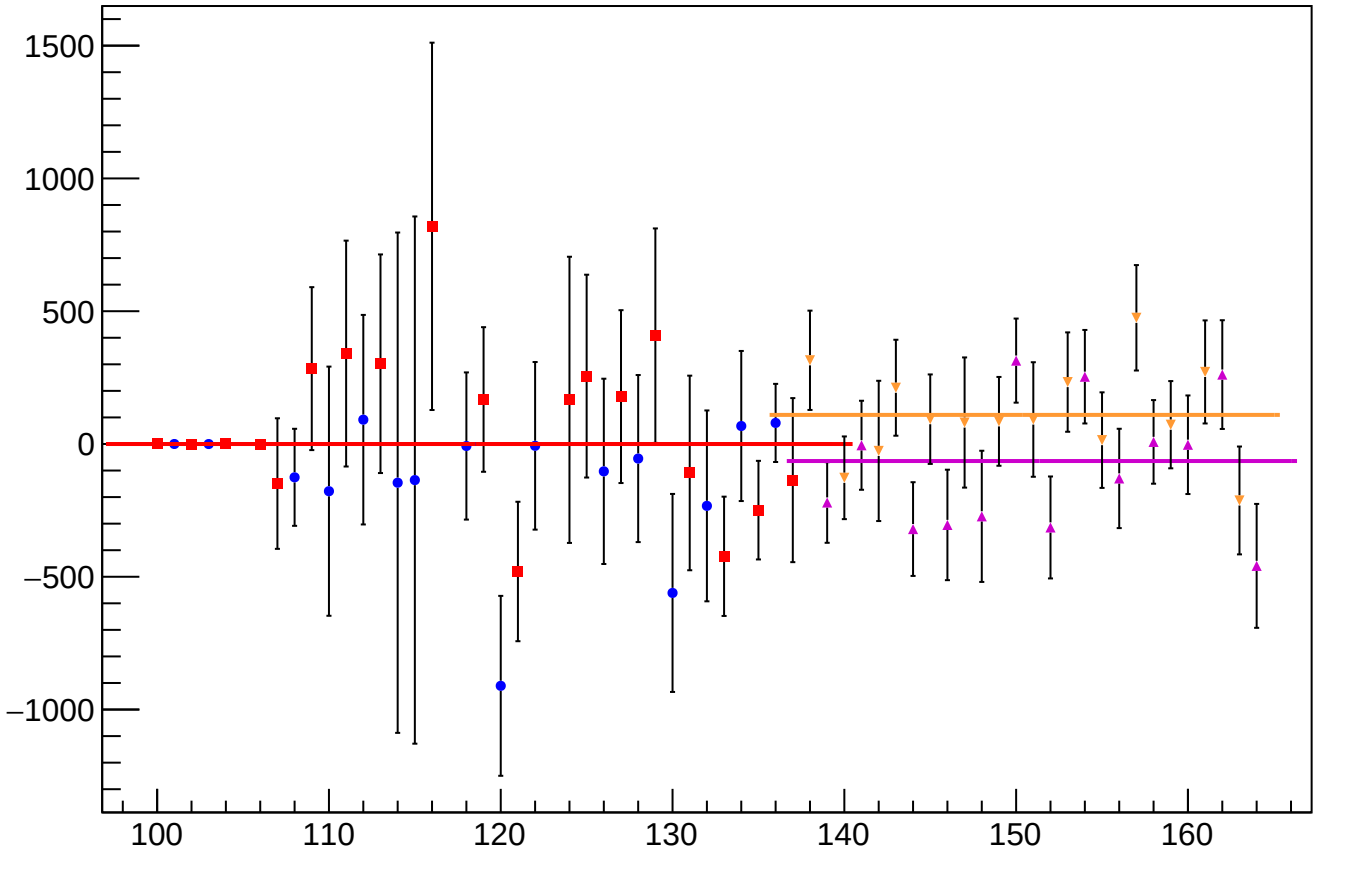
Left: 210862.455+/-31.978 χ^2/NDF: 625611.3/26

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 150.596+/-0.122 χ^2/NDF:33118804.2/28

Out: 150.721+/-0.113 χ^2/NDF:33517557.9/31

All: 150.663+/-0.083 χ^2/NDF: 66636362.7/60



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 109.540+/-50.210 χ^2/NDF:11.5/13

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -64.199+/-50.631 χ^2/NDF:21.8/12

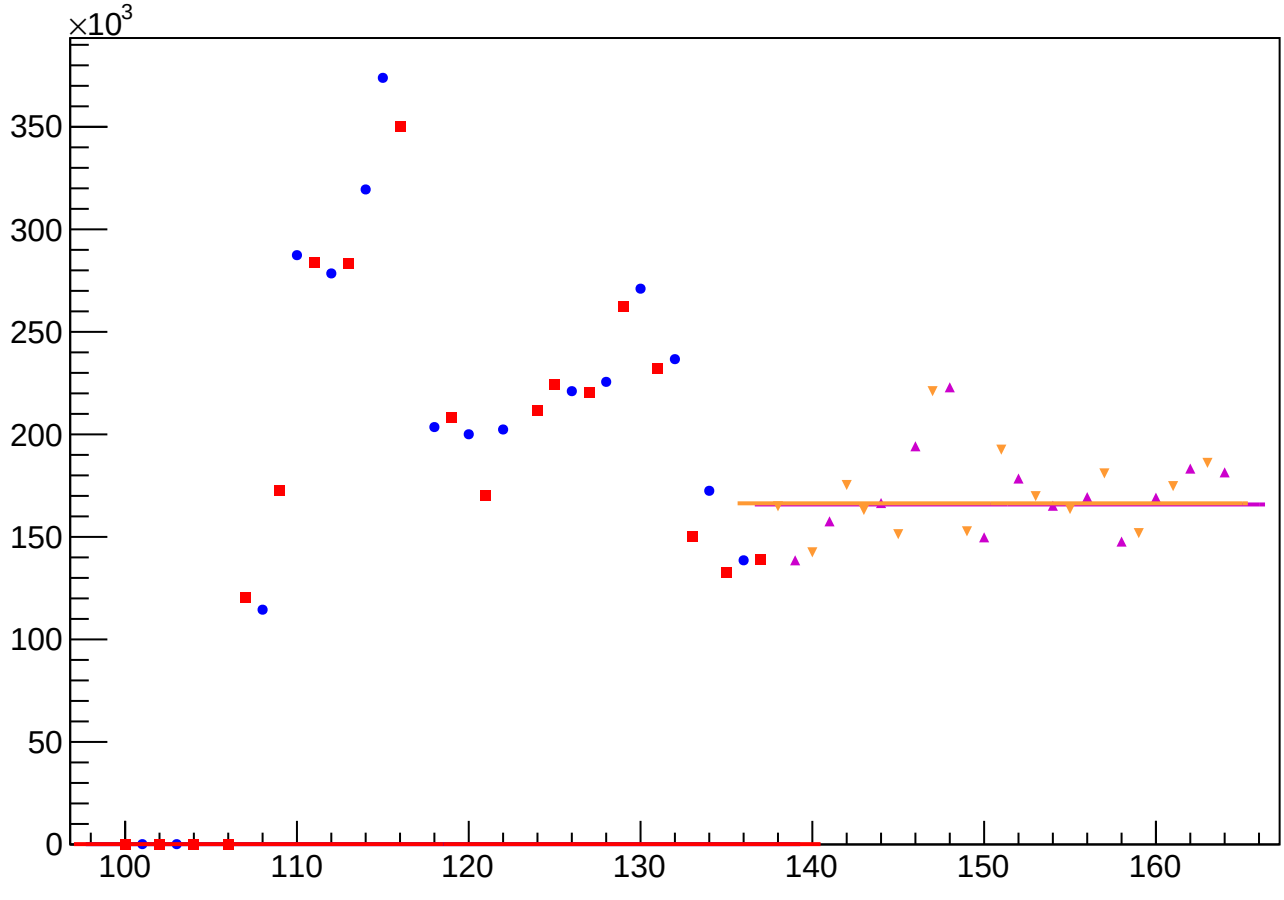
Left: 23.397+/-35.652 χ^2/NDF: 39.3/26

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:34.6/28

Out: -0.125+/-0.166 χ^2/NDF:31.5/32

All: -0.099+/-0.121 χ^2/NDF: 66.2/61



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 166375.920+/-35.504 χ^2/NDF:258787.3/13

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 165819.400+/-35.802 χ^2/NDF:294135.7/12

Left: 166099.986+/-25.210 χ^2/NDF: 553044.8/26

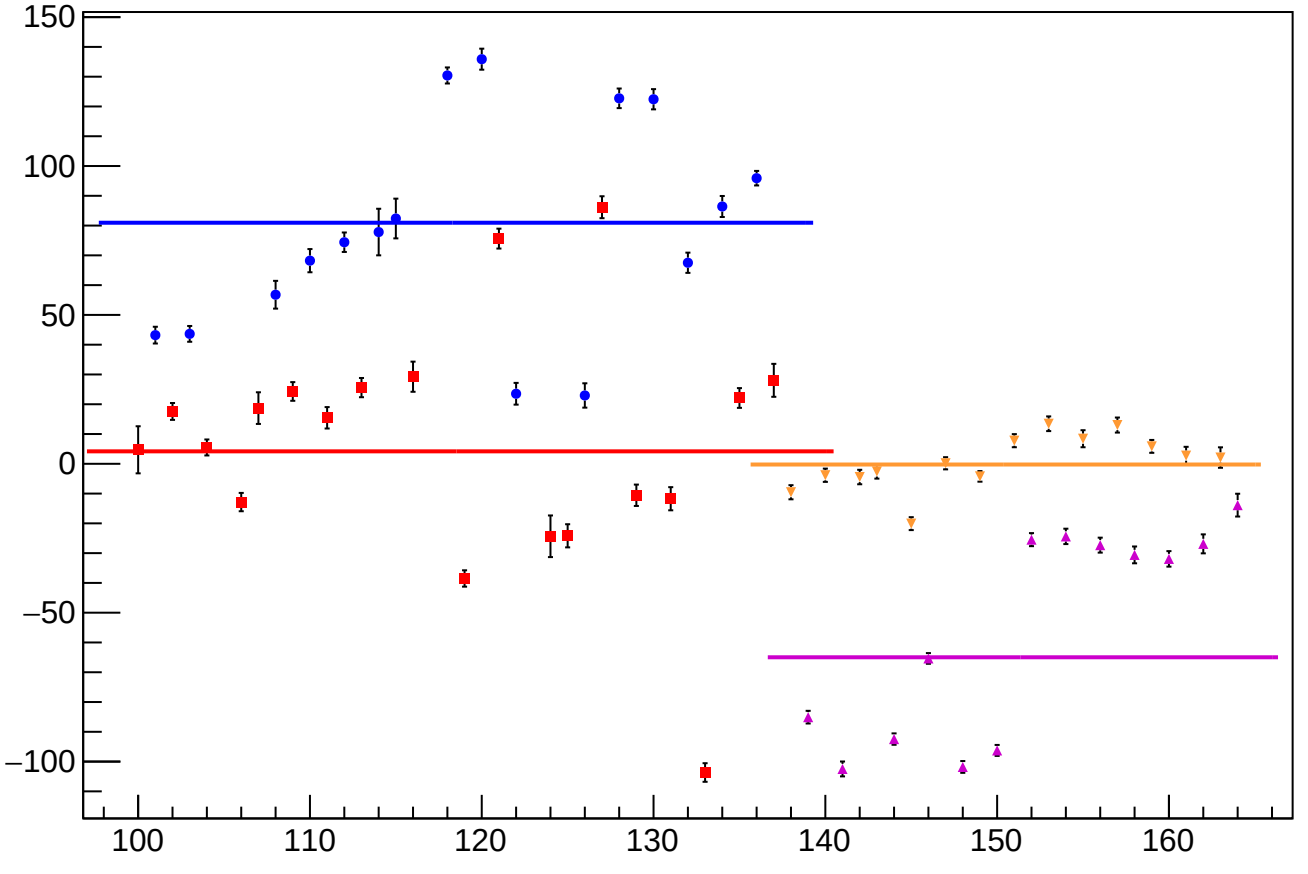
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 155.490+/-0.125 χ^2/NDF:33610754.9/28

Out: 157.985+/-0.118 χ^2/NDF:33508288.4/32

All: 156.815+/-0.086 χ^2/NDF: 67119253.9/61

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -0.240+/-0.626 χ^2/NDF:200.8/13

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -64.974+/-0.636 χ^2/NDF:2580.8/12

Left: -32.097+/-0.446 χ^2/NDF: 8039.9/26

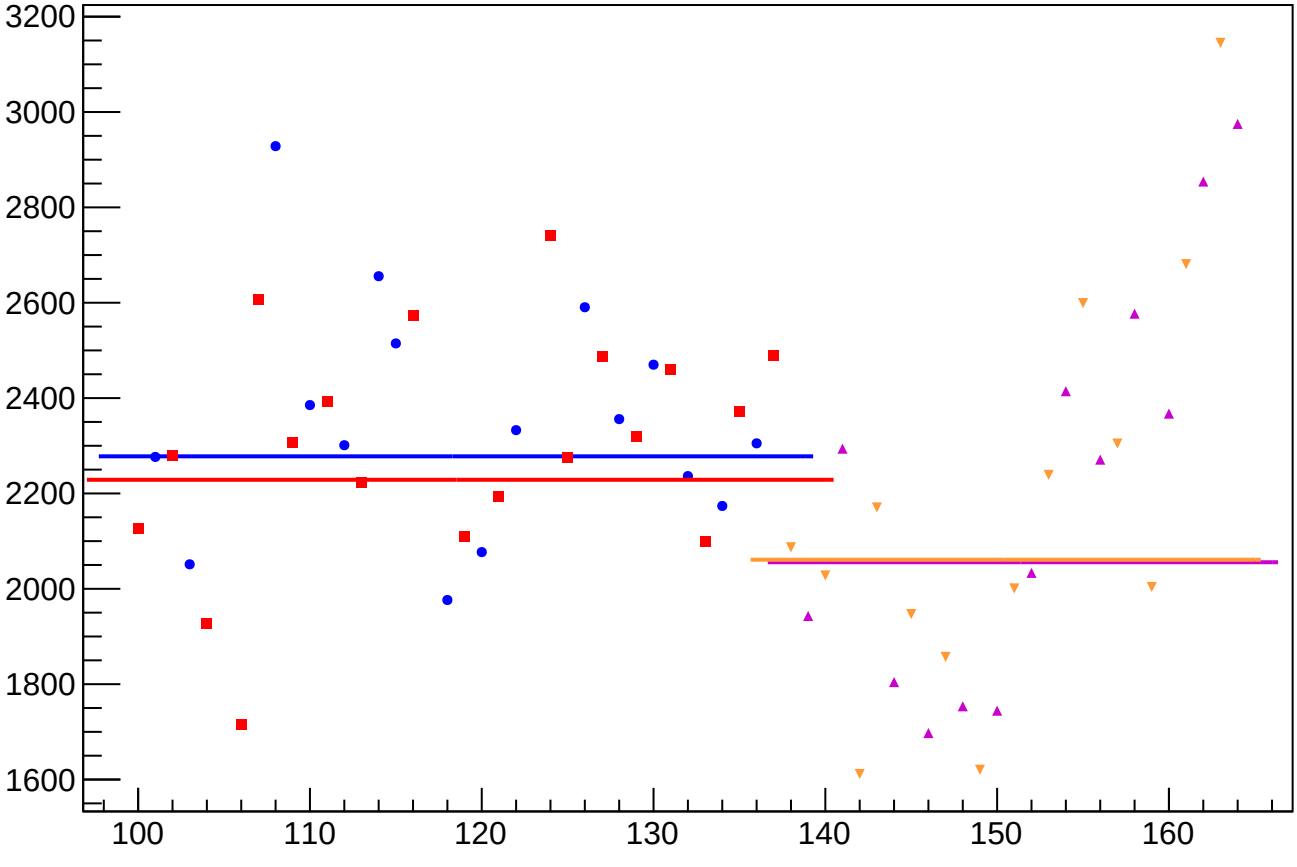
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.692+/-0.510 χ^2/NDF:23244.9/28

Out: 1.389+/-0.498 χ^2/NDF:2938.9/32

All: -5.485+/-0.356 χ^2/NDF: 26574.5/61

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2061.026+/-0.443 χ^2/NDF:610865.5/13

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2055.737+/-0.450 χ^2/NDF:632972.5/12

Left: 2058.423+/-0.316 χ^2/NDF: 1243908.1/26

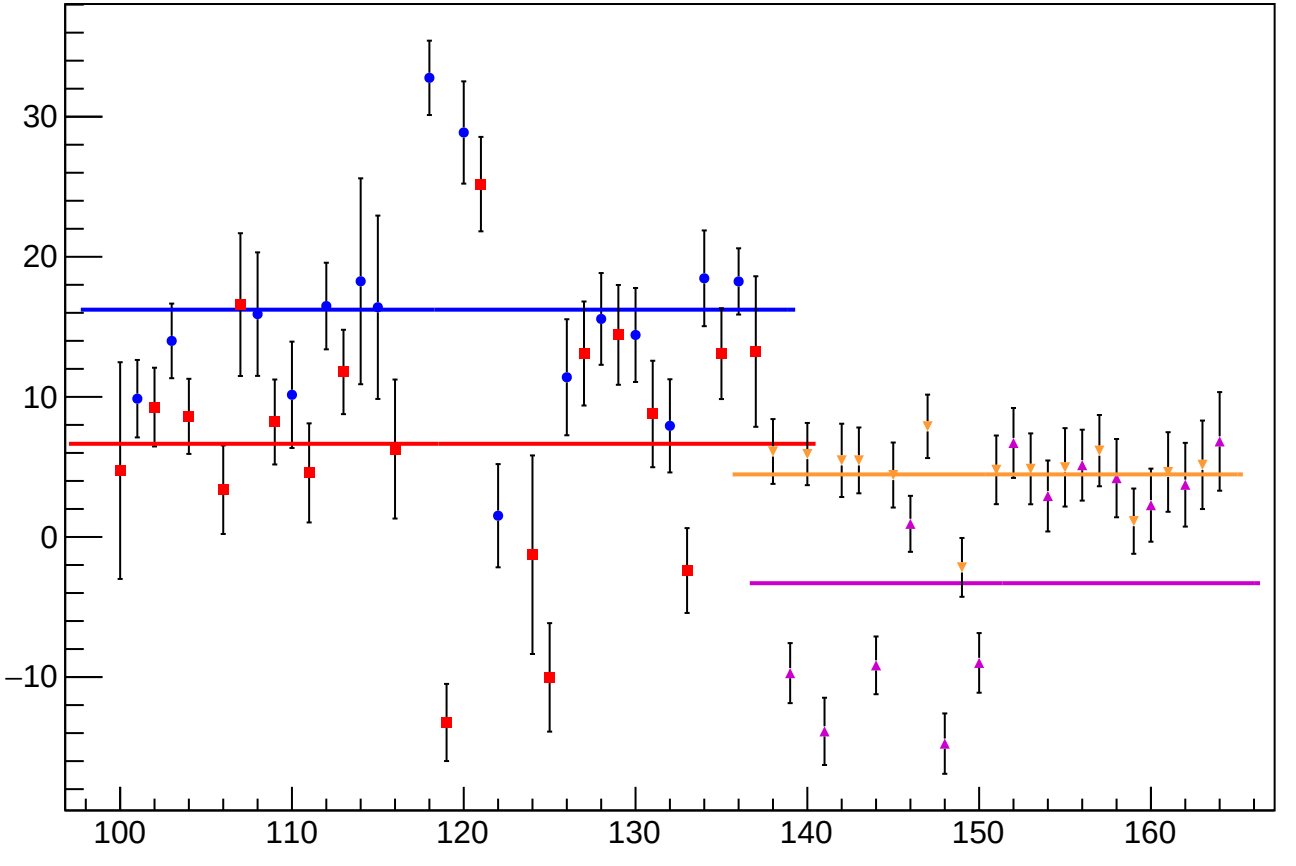
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2135.320+/-0.360 χ^2/NDF:836096.1/28

Out: 2122.782+/-0.352 χ^2/NDF:814803.5/32

All: 2128.903+/-0.252 χ^2/NDF: 1651519.1/61

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.467+/-0.654 χ^2/NDF:16.2/13

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -3.298+/-0.666 χ^2/NDF:135.2/12

Left: 0.656+/-0.467 χ^2/NDF: 220.5/26

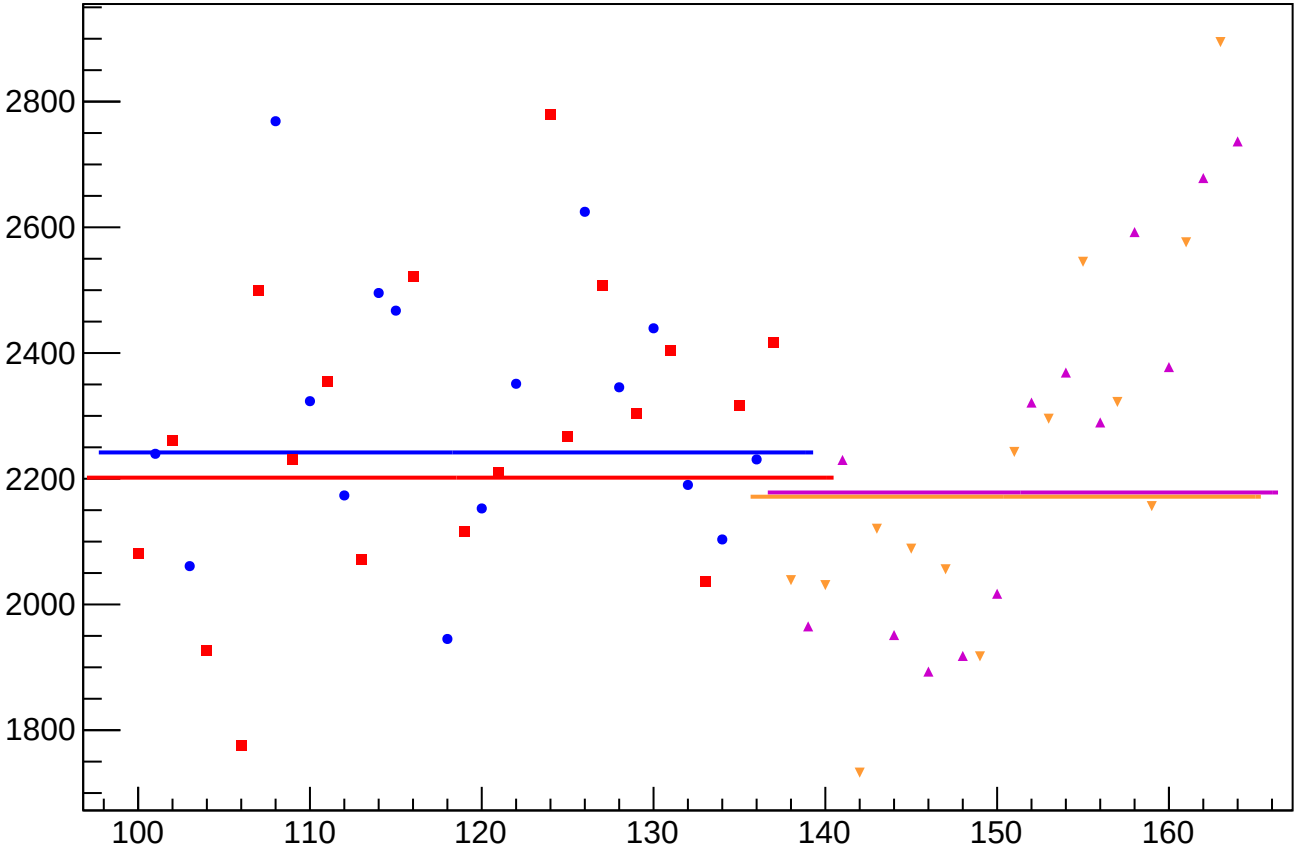
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.266+/-0.521 χ^2/NDF:552.5/28

Out: 5.330+/-0.509 χ^2/NDF:155.1/32

All: 4.811+/-0.364 χ^2/NDF: 709.8/61

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2171.424+/-0.462 χ^2/NDF:303600.6/13

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2178.134+/-0.471 χ^2/NDF:309979.9/12

Left: 2174.717+/-0.330 χ^2/NDF: 613683.9/26

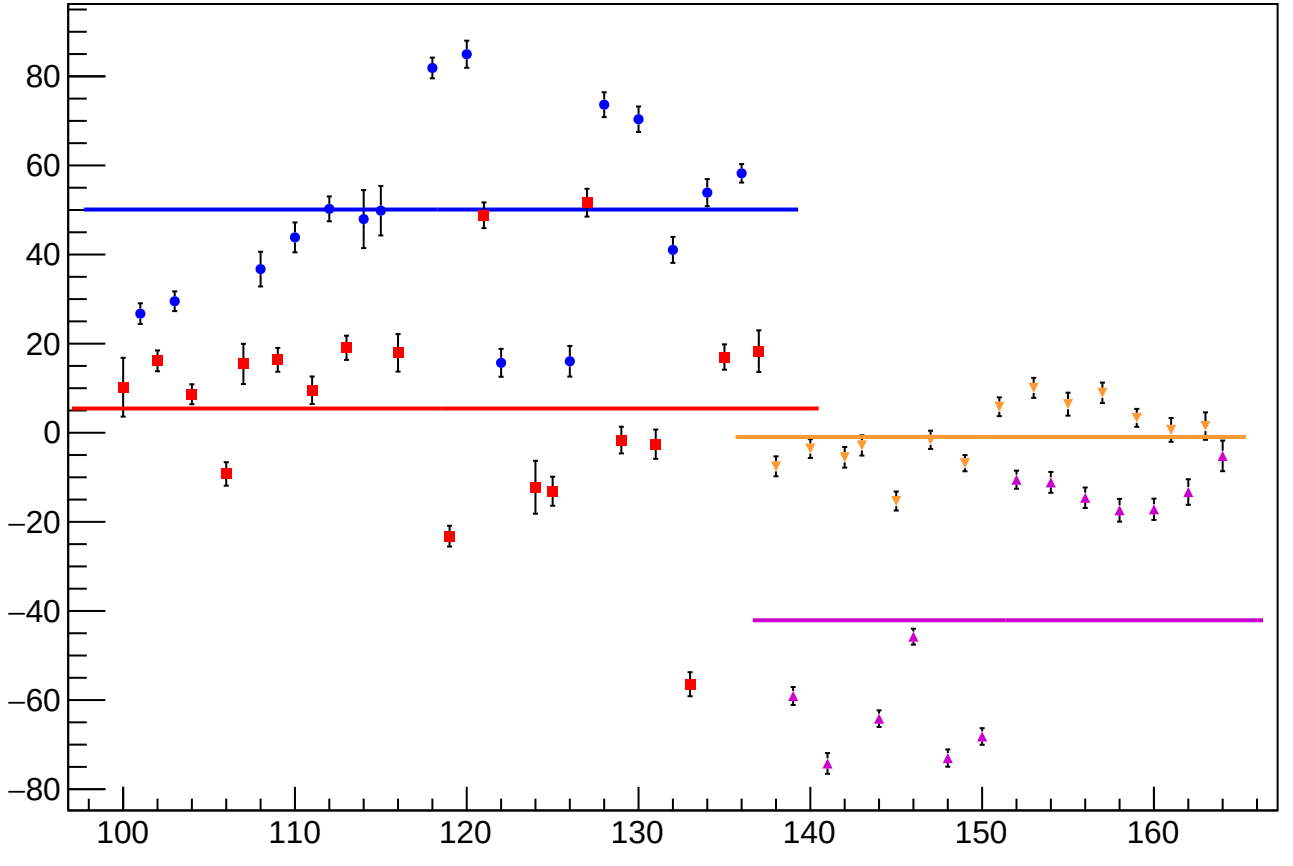
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2202.822+/-0.369 χ^2/NDF:419330.4/28

Out: 2183.399+/-0.360 χ^2/NDF:435180.8/32

All: 2192.871+/-0.257 χ^2/NDF: 855933.2/61

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -0.939+/-0.595 χ^2/NDF:137.6/13

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -42.087+/-0.605 χ^2/NDF:1833.1/12

Left: -21.185+/-0.424 χ^2/NDF: 4320.9/26

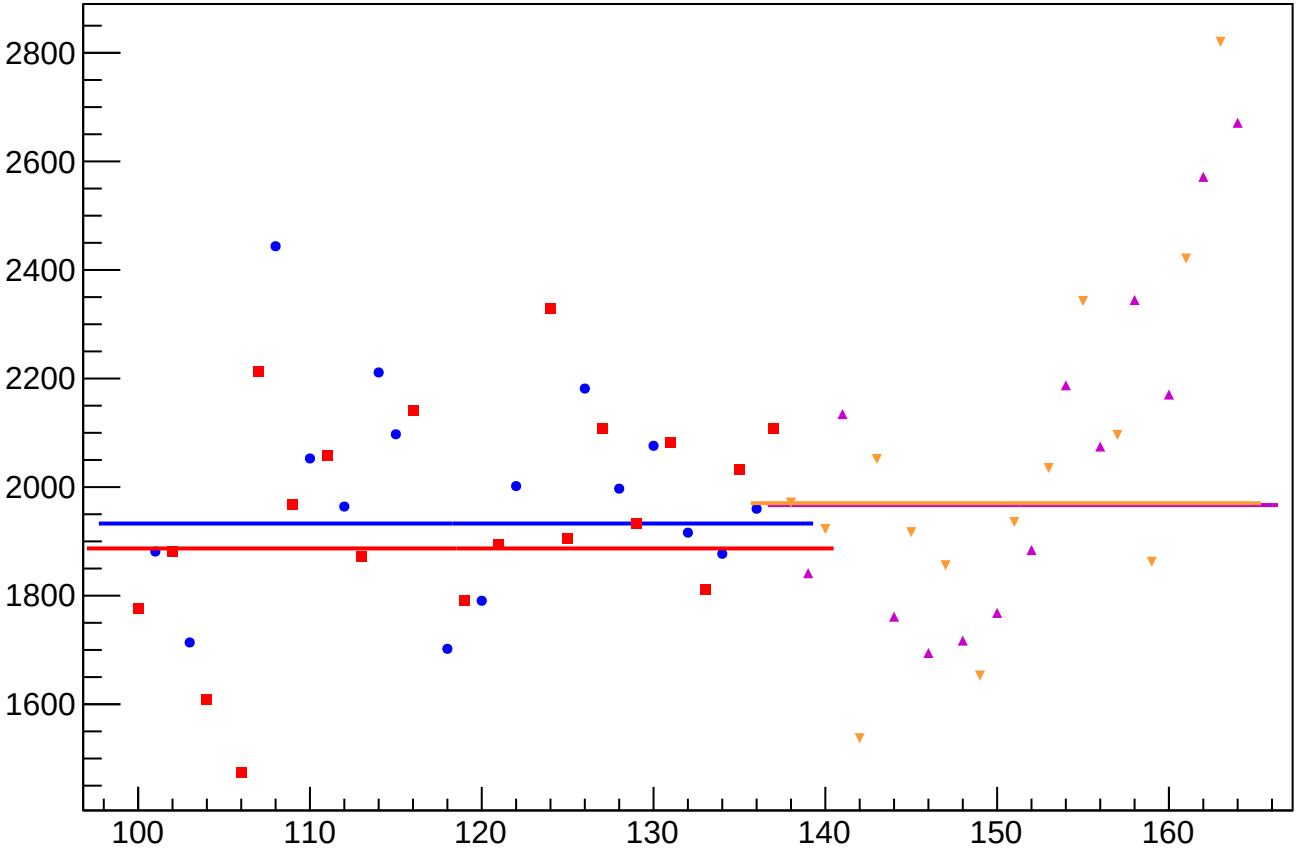
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -4.070+/-0.464 χ^2/NDF:12298.6/28

Out: 1.765+/-0.452 χ^2/NDF:1497.9/32

All: -1.077+/-0.324 χ^2/NDF: 13877.7/61

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1970.400+/-0.421 χ^2/NDF:407080.7/13

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1966.940+/-0.428 χ^2/NDF:400886.7/12

Left: 1968.698+/-0.300 χ^2/NDF: 808000.6/26

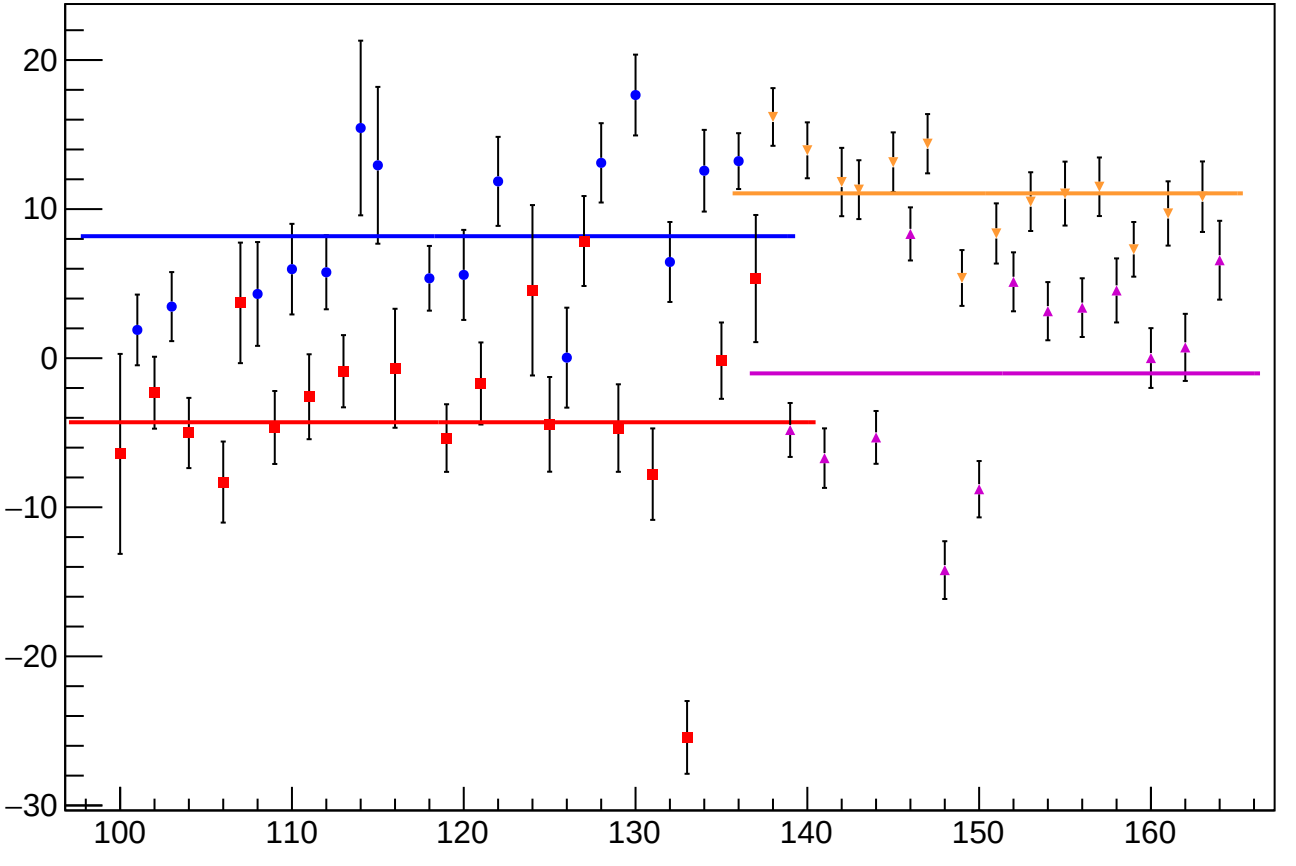
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1952.904+/-0.328 χ^2/NDF:509465.1/28

Out: 1935.061+/-0.320 χ^2/NDF:573455.9/32

All: 1943.753+/-0.229 χ^2/NDF: 1084439.6/61

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.057+/-0.538 χ^2/NDF:29.1/13

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -1.019+/-0.549 χ^2/NDF:144.3/12

Left: 5.142+/-0.384 χ^2/NDF: 420.2/26

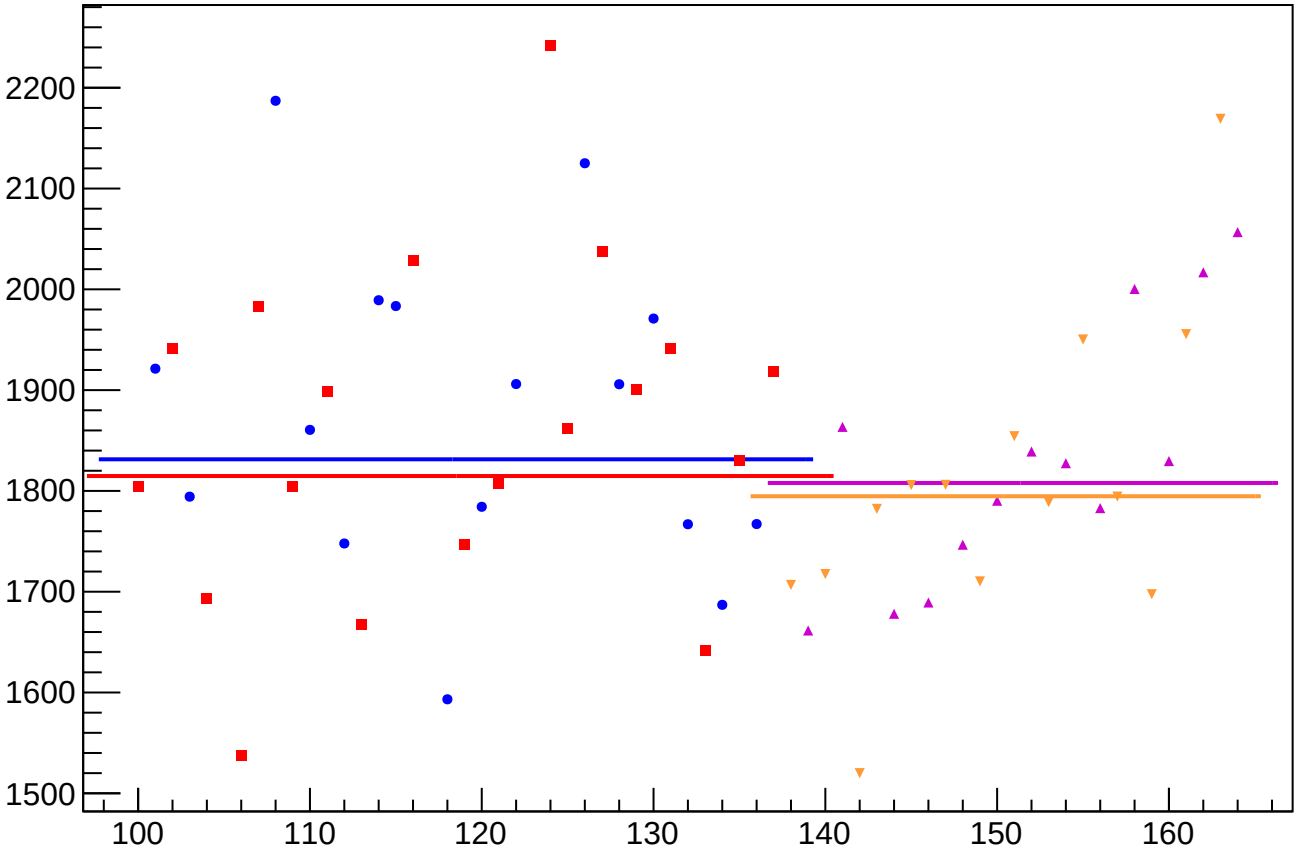
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 2.589+/-0.428 χ^2/NDF:306.4/28

Out: 4.990+/-0.418 χ^2/NDF:465.0/32

All: 3.817+/-0.299 χ^2/NDF: 787.5/61

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1794.703+/-0.380 χ^2/NDF:119692.8/13

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1807.879+/-0.388 χ^2/NDF:88691.0/12

Left: 1801.157+/-0.272 χ^2/NDF: 208971.6/26

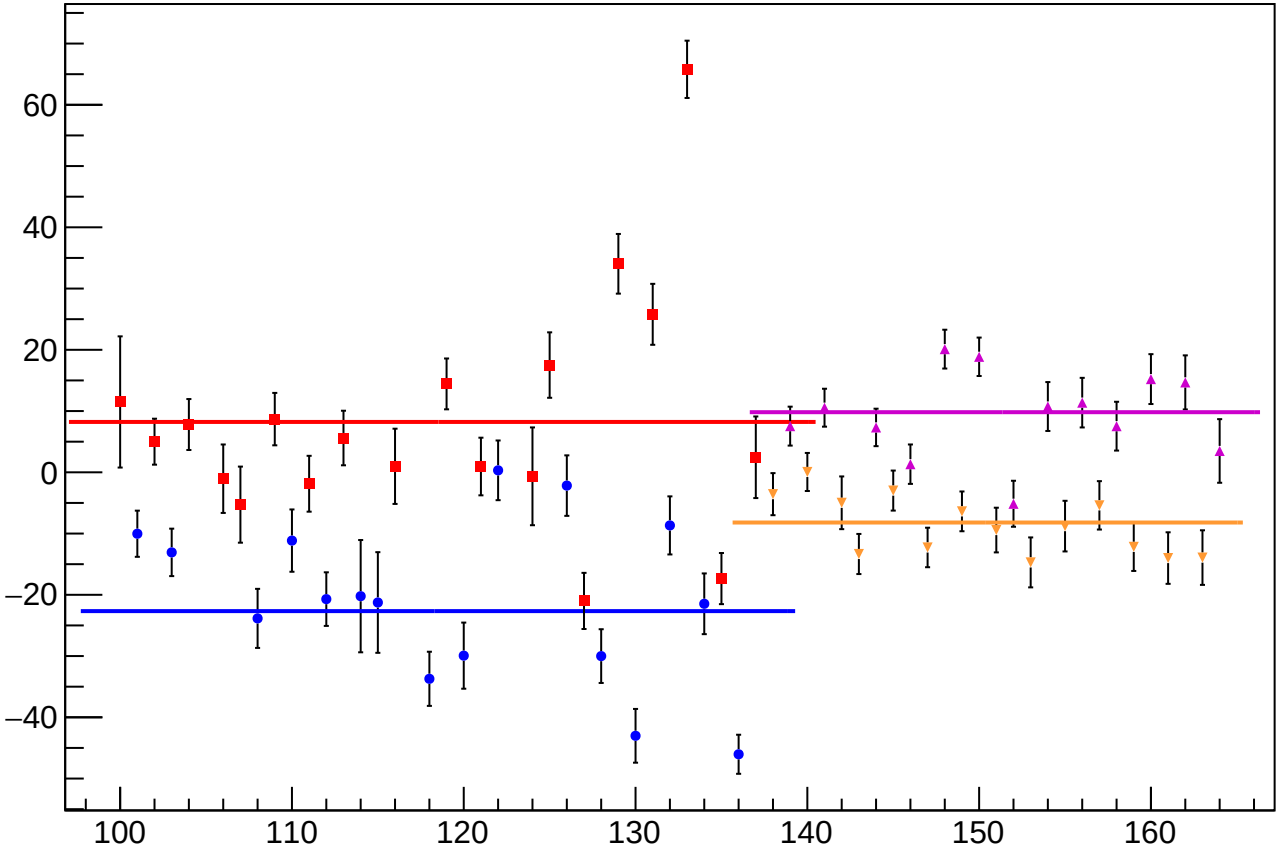
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1817.086+/-0.303 χ^2/NDF:177044.7/28

Out: 1802.634+/-0.296 χ^2/NDF:211531.8/32

All: 1809.694+/-0.212 χ^2/NDF: 389742.6/61

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -8.198+/-0.976 χ^2/NDF:24.1/13

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 9.815+/-0.993 χ^2/NDF:47.9/12

Left: 0.656+/-0.696 χ^2/NDF: 239.4/26

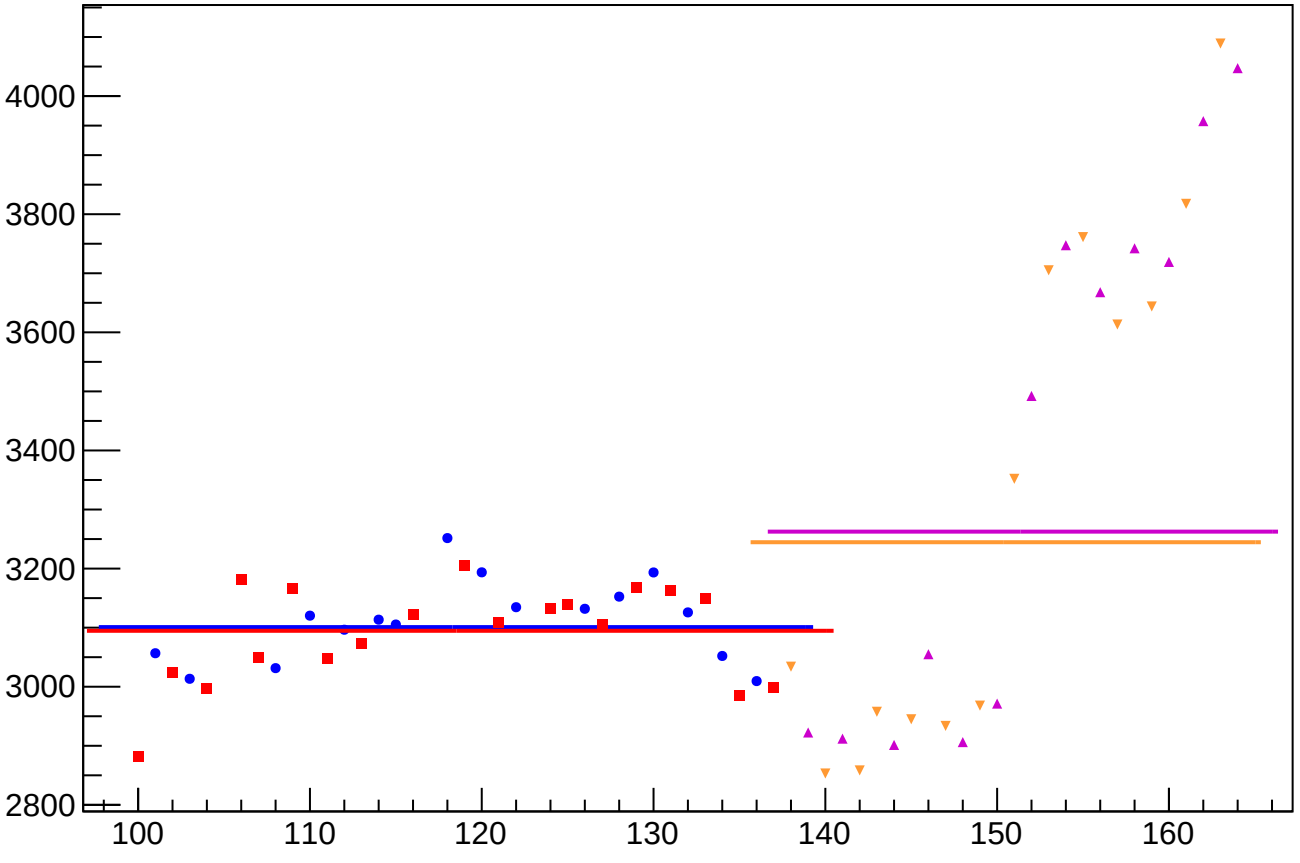
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -4.028+/-0.752 χ^2/NDF:661.2/28

Out: -1.172+/-0.738 χ^2/NDF:440.0/32

All: -2.574+/-0.527 χ^2/NDF: 1108.5/61

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3244.640+/-0.690 χ^2/NDF:326037.4/13

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3262.574+/-0.702 χ^2/NDF:333695.0/12

Left: 3253.455+/-0.492 χ^2/NDF: 660064.3/26

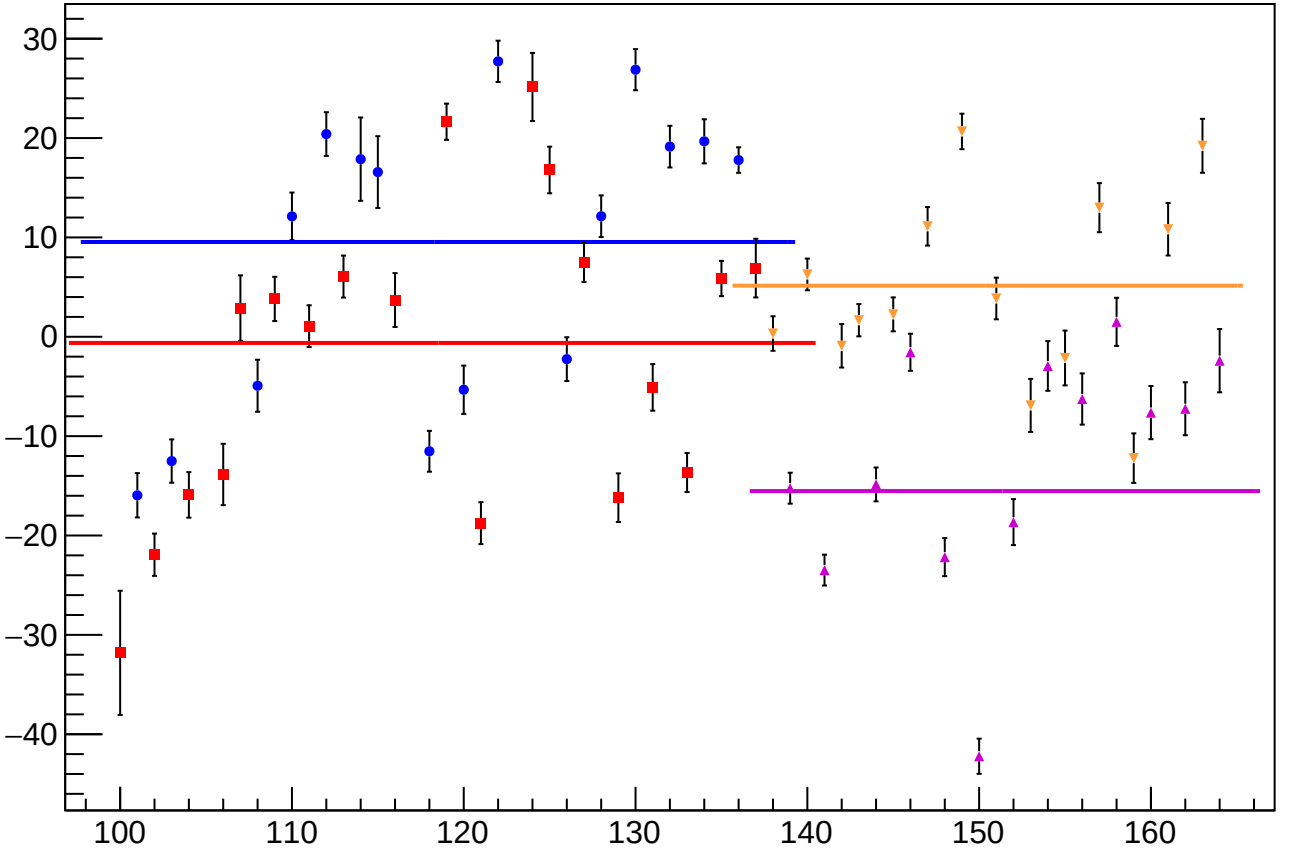
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3193.683+/-0.532 χ^2/NDF:364182.4/28

Out: 3180.484+/-0.522 χ^2/NDF:354815.3/32

All: 3186.962+/-0.373 χ^2/NDF: 719311.4/61

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.143+/-0.547 χ^2/NDF:226.2/13

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -15.528+/-0.568 χ^2/NDF:447.5/12

Left: -4.809+/-0.394 χ^2/NDF: 1360.4/26

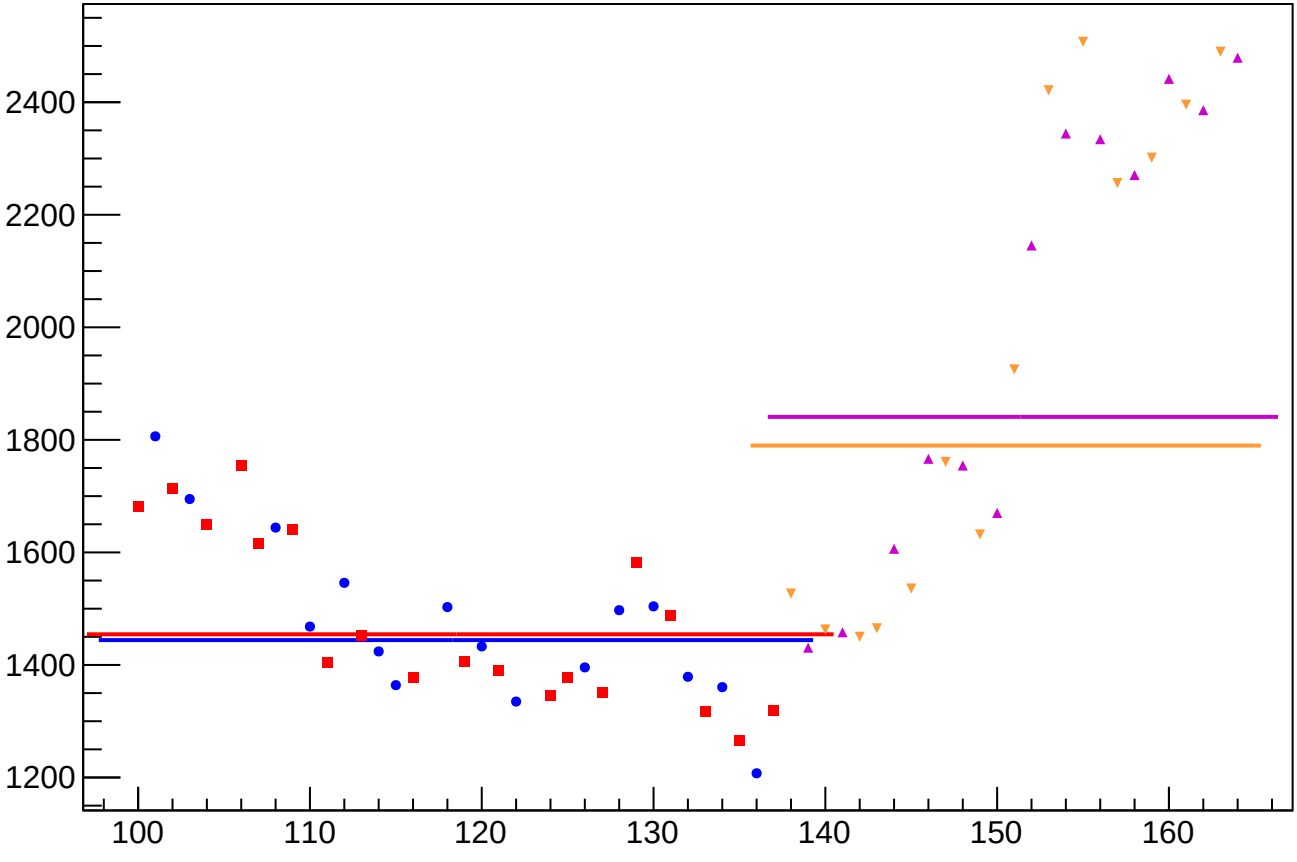
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -2.390+/-0.392 χ^2/NDF:2167.0/28

Out: 2.191+/-0.382 χ^2/NDF:948.8/32

All: -0.043+/-0.274 χ^2/NDF: 3185.8/61

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1789.900+/-0.387 χ^2/NDF:967353.9/13

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1840.866+/-0.402 χ^2/NDF:841159.0/12

Left: 1814.439+/-0.279 χ^2/NDF: 1816861.7/26

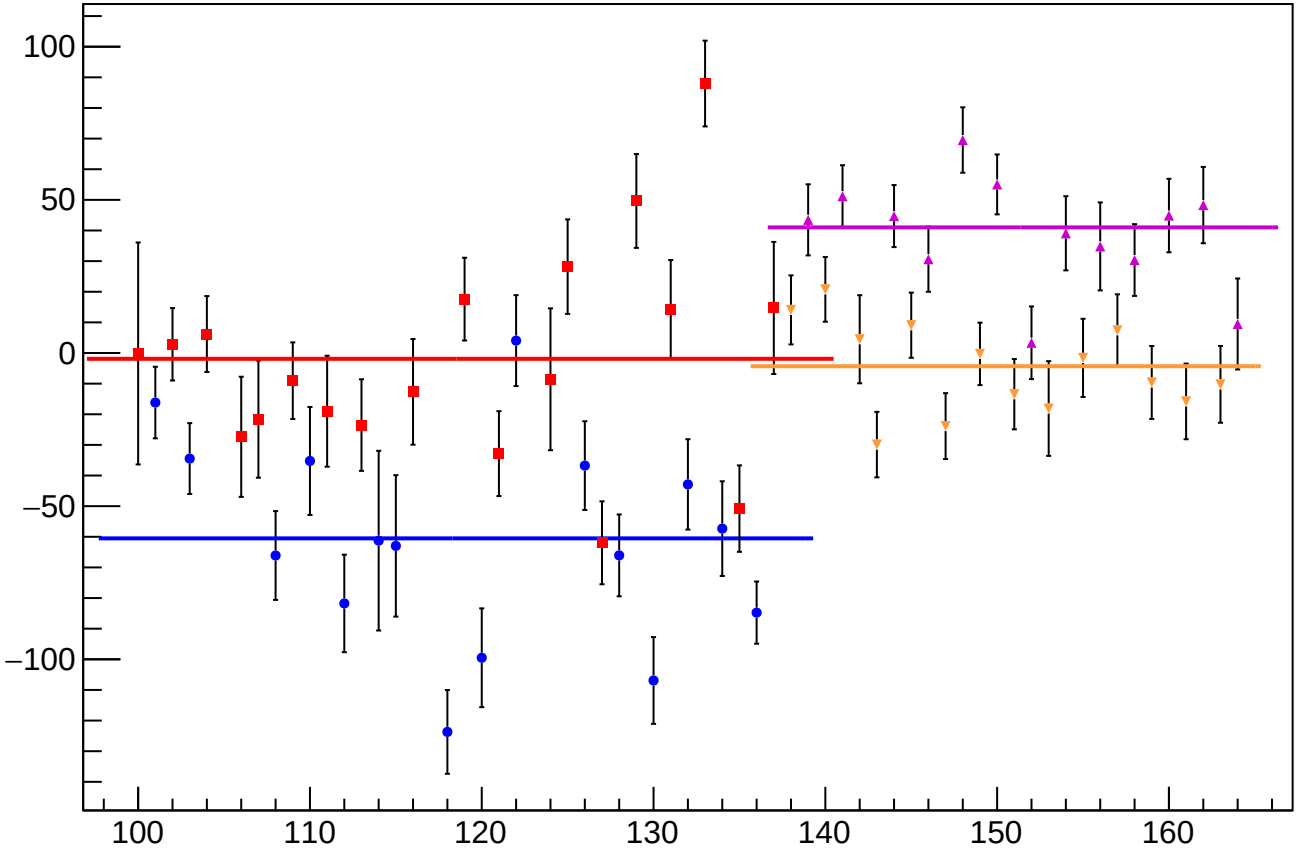
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1632.975+/-0.277 χ^2/NDF:1532474.6/28

Out: 1618.078+/-0.270 χ^2/NDF:1494875.2/32

All: 1625.342+/-0.193 χ^2/NDF: 3028830.9/61

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -4.311+/-3.121 χ^2/NDF:23.2/13

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 41.015+/-3.178 χ^2/NDF:27.4/12

Left: 17.941+/-2.227 χ^2/NDF: 154.2/26

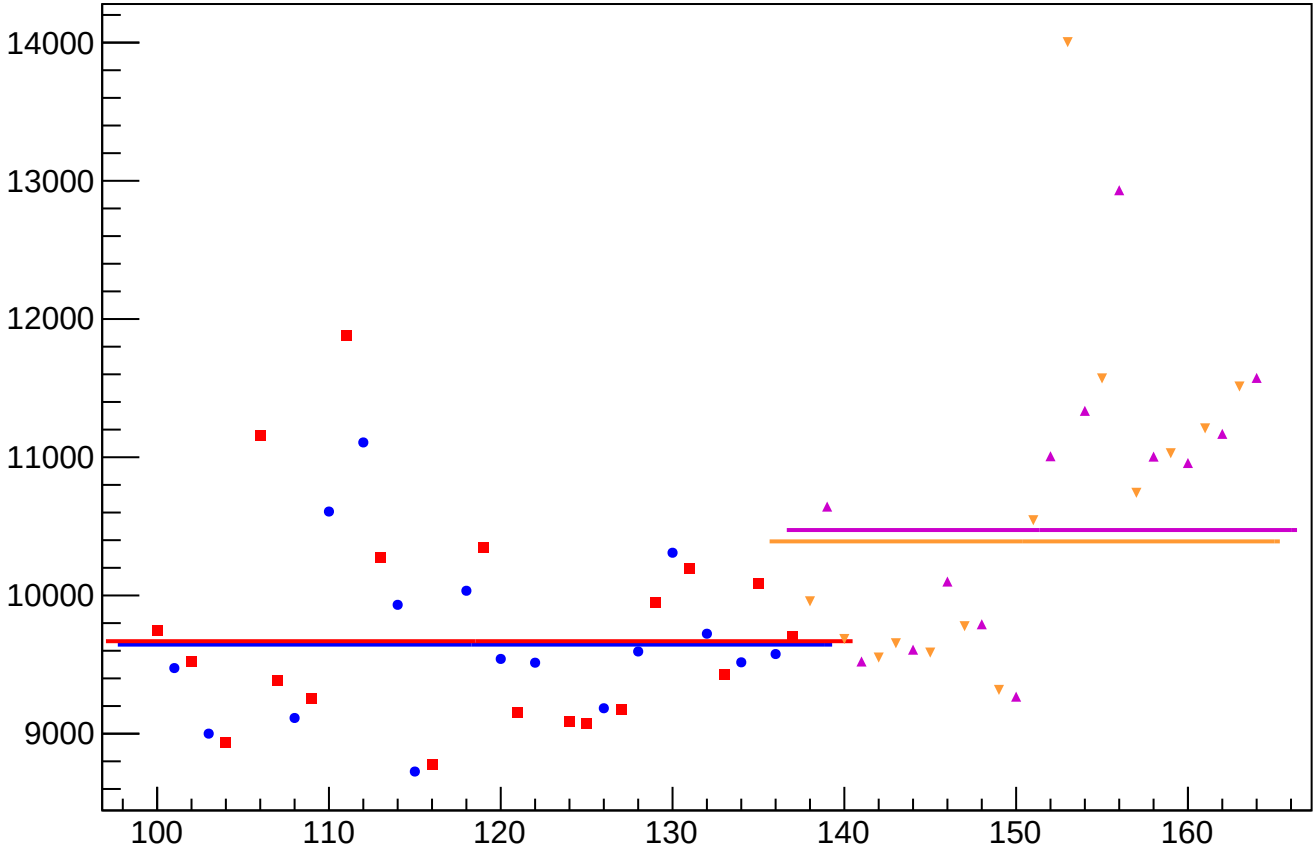
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -3.511+/-2.382 χ^2/NDF:565.3/28

Out: -3.255+/-2.342 χ^2/NDF:127.3/32

All: -3.380+/-1.670 χ^2/NDF: 692.6/61

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10391.246+/-2.207 χ^2/NDF:227196.1/13

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10473.382+/-2.247 χ^2/NDF:171111.8/12

Left: 10431.569+/-1.575 χ^2/NDF: 398987.9/26

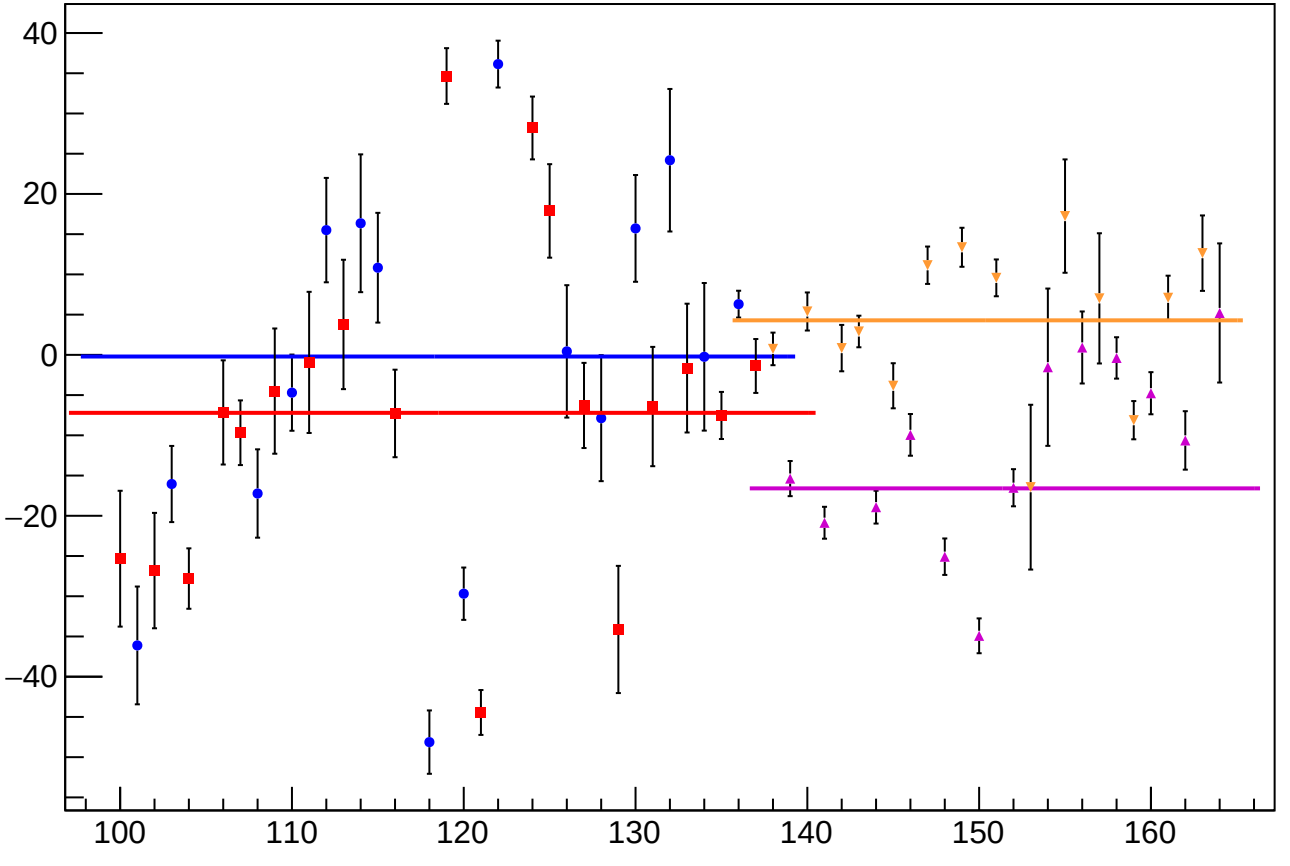
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10109.838+/-1.684 χ^2/NDF:274881.6/28

Out: 10075.704+/-1.656 χ^2/NDF:353854.8/32

All: 10092.485+/-1.181 χ^2/NDF: 628945.3/61

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 4.291+/-0.730 χ^2/NDF:80.8/13

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -16.594+/-0.726 χ^2/NDF:185.4/12

Left: -6.206+/-0.515 χ^2/NDF: 677.6/26

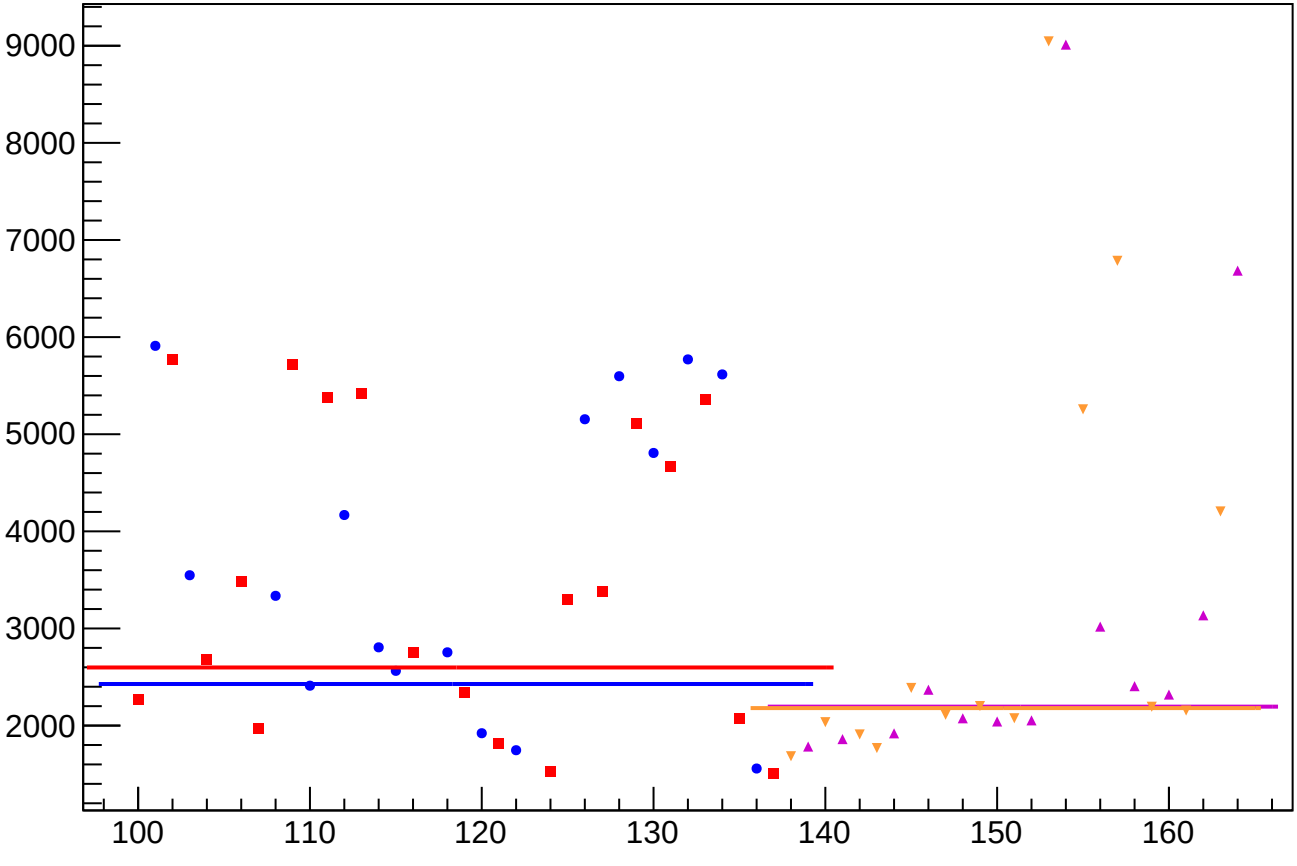
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -11.259+/-0.596 χ^2/NDF:824.9/28

Out: 0.656+/-0.604 χ^2/NDF:644.8/32

All: -5.374+/-0.424 χ^2/NDF: 1666.9/61

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2180.058+/-0.516 χ^2/NDF:2551537.2/13

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2195.084+/-0.514 χ^2/NDF:1927227.0/12

Left: 2187.610+/-0.364 χ^2/NDF: 4479190.1/26

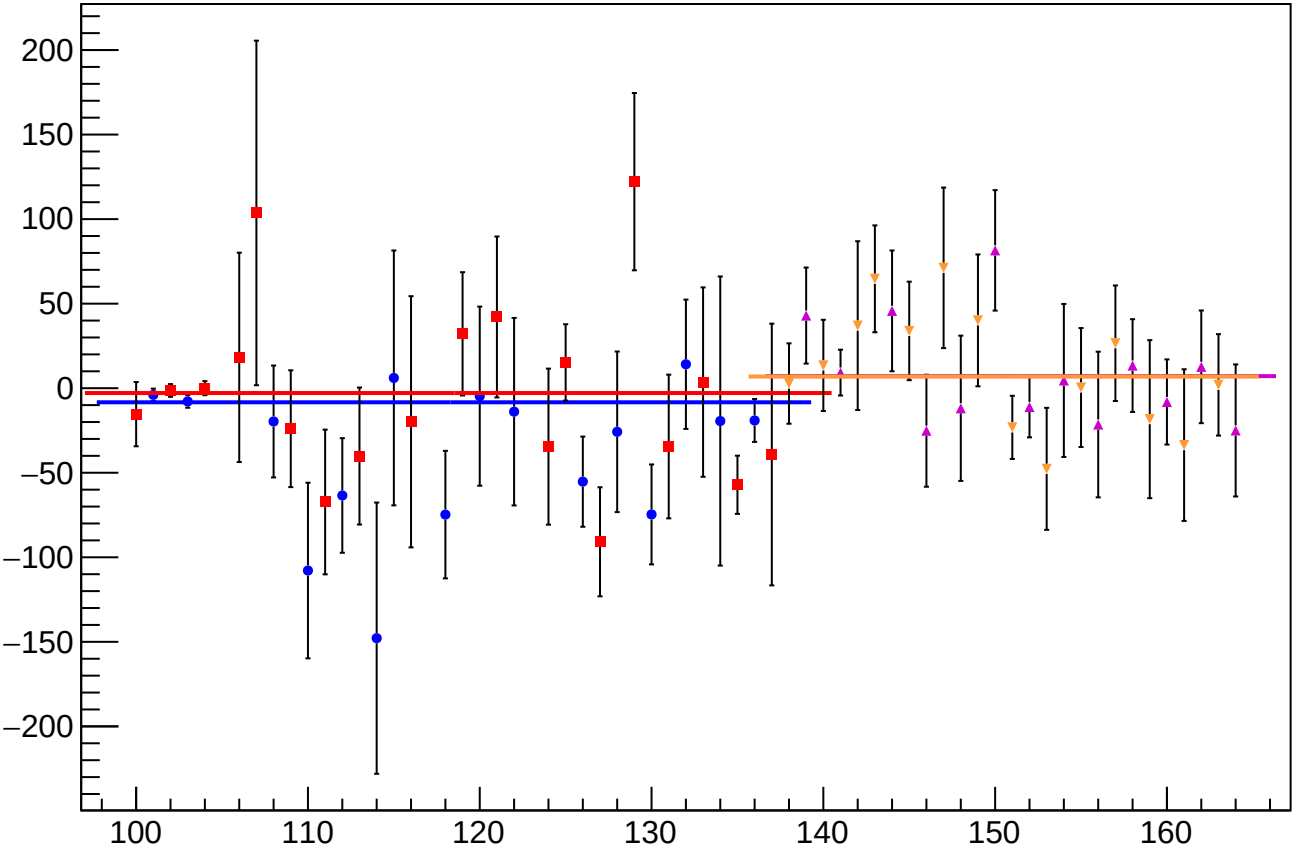
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2270.931+/-0.422 χ^2/NDF:4809575.9/28

Out: 2312.300+/-0.427 χ^2/NDF:5274044.0/32

All: 2291.365+/-0.300 χ^2/NDF: 10088372.5/6

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 6.913+/-8.393 χ^2/NDF:13.6/13

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 7.136+/-7.393 χ^2/NDF:10.9/12

Left: 7.039+/-5.548 χ^2/NDF: 24.5/26

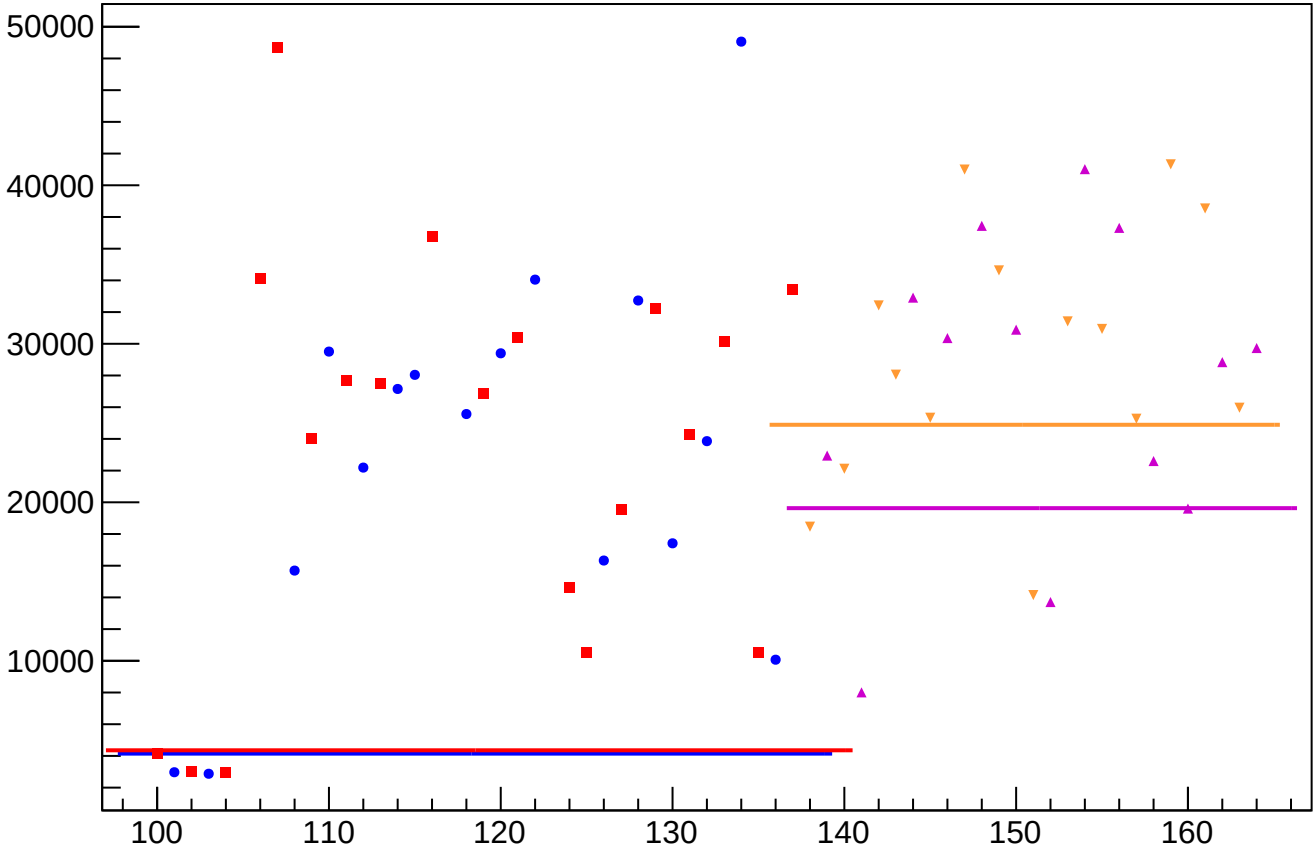
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.746+/-2.368 χ^2/NDF:38.2/28

Out: -1.969+/-2.518 χ^2/NDF:47.5/32

All: -4.504+/-1.725 χ^2/NDF: 87.6/61

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 24890.396+/-5.935 χ^2/NDF:1810144.4/13

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 19630.553+/-5.228 χ^2/NDF:3839628.9/12

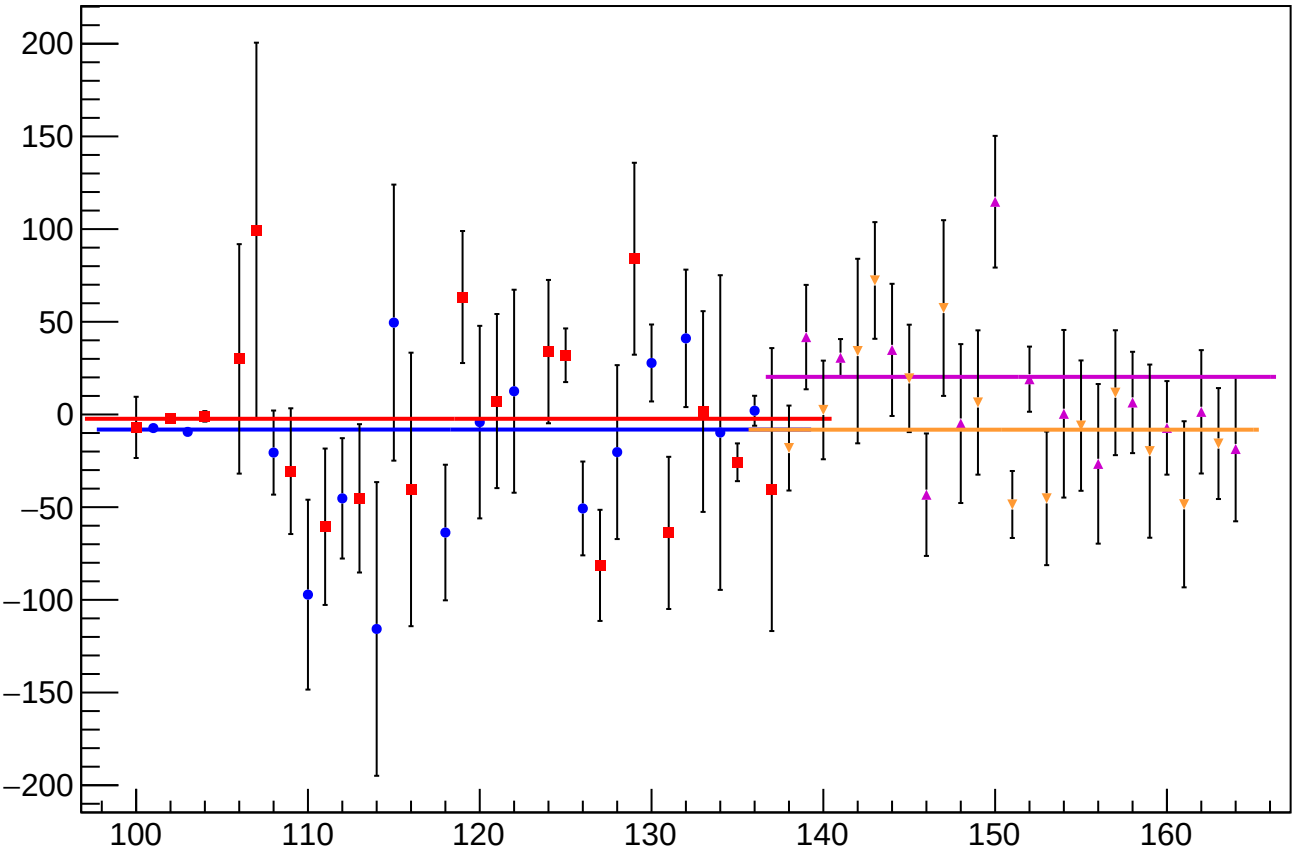
Left: 21928.605+/-3.923 χ^2/NDF: 6092080.0/26

Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 5734.077+/-1.674 χ^2/NDF:18550664.1/28

Out: 6202.789+/-1.780 χ^2/NDF:20330859.1/32

All: 5954.032+/-1.220 χ^2/NDF: 38918302.8/6



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -8.207+/-8.269 χ^2/NDF:17.9/13

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 20.293+/-6.607 χ^2/NDF:17.1/12

Left: 9.189+/-5.162 χ^2/NDF: 42.2/26

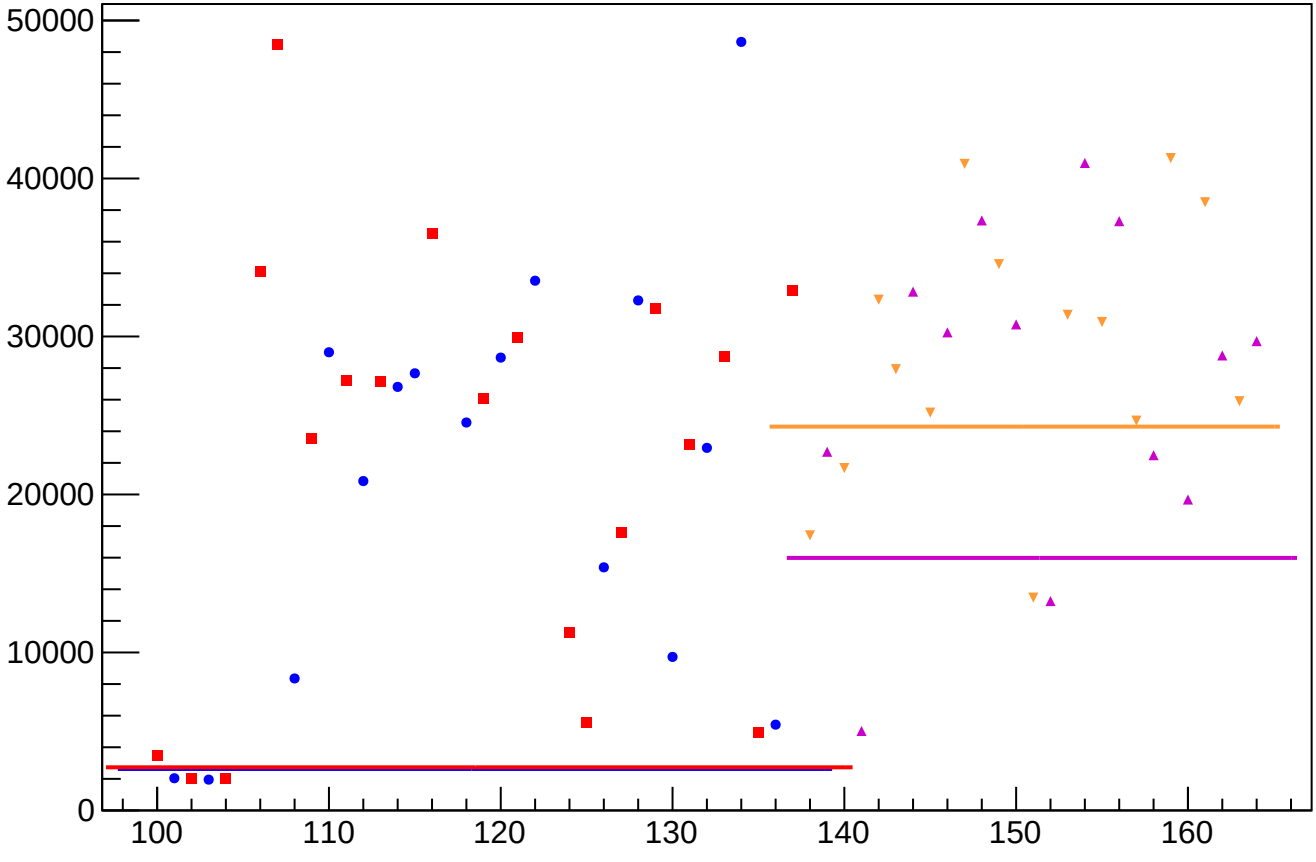
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.327+/-1.665 χ^2/NDF:53.5/28

Out: -2.597+/-1.779 χ^2/NDF:51.5/32

All: -4.586+/-1.216 χ^2/NDF: 107.3/61

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 24294.579+/-5.847 χ^2/NDF:2003931.2/13

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15984.415+/-4.672 χ^2/NDF:5996499.4/12

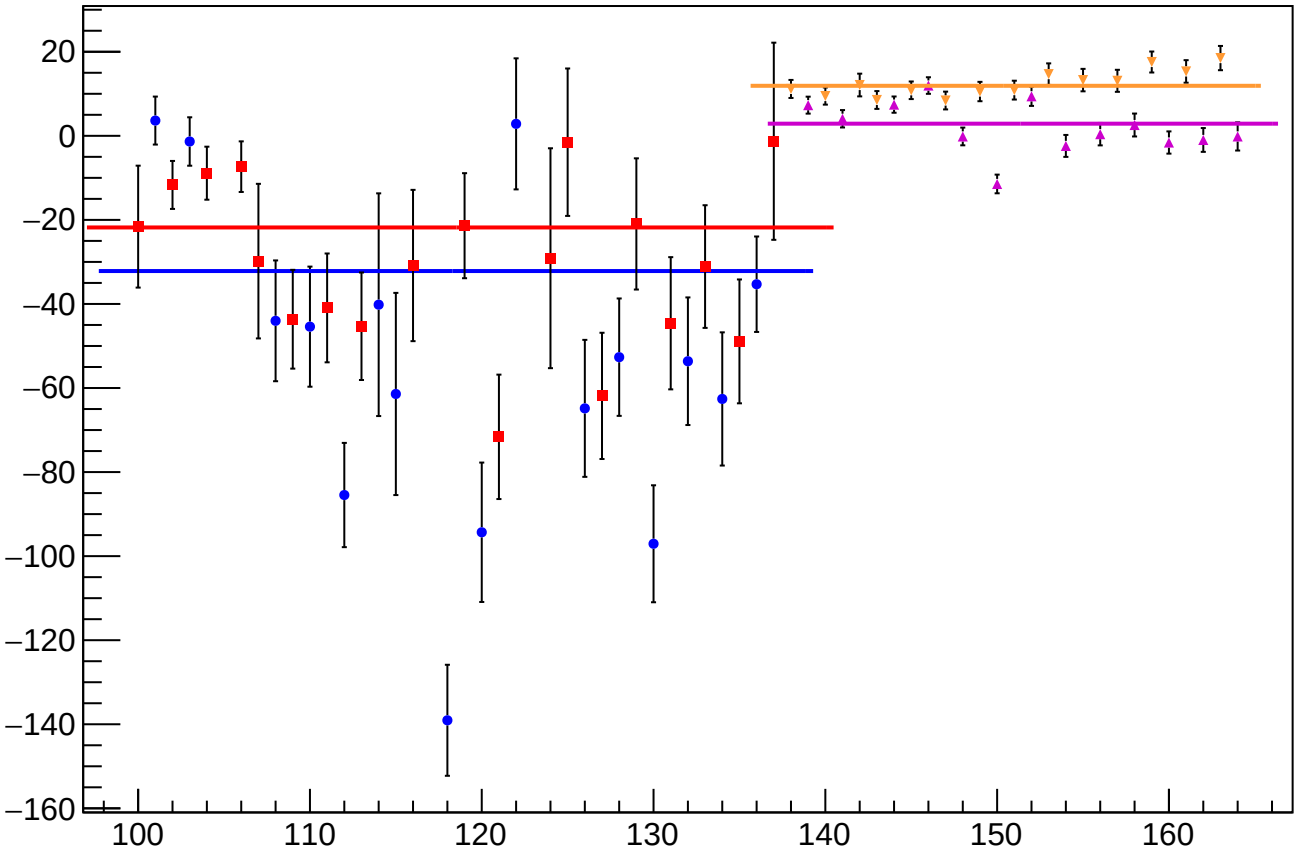
Left: 19222.210+/-3.650 χ^2/NDF: 9233266.8/26

Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

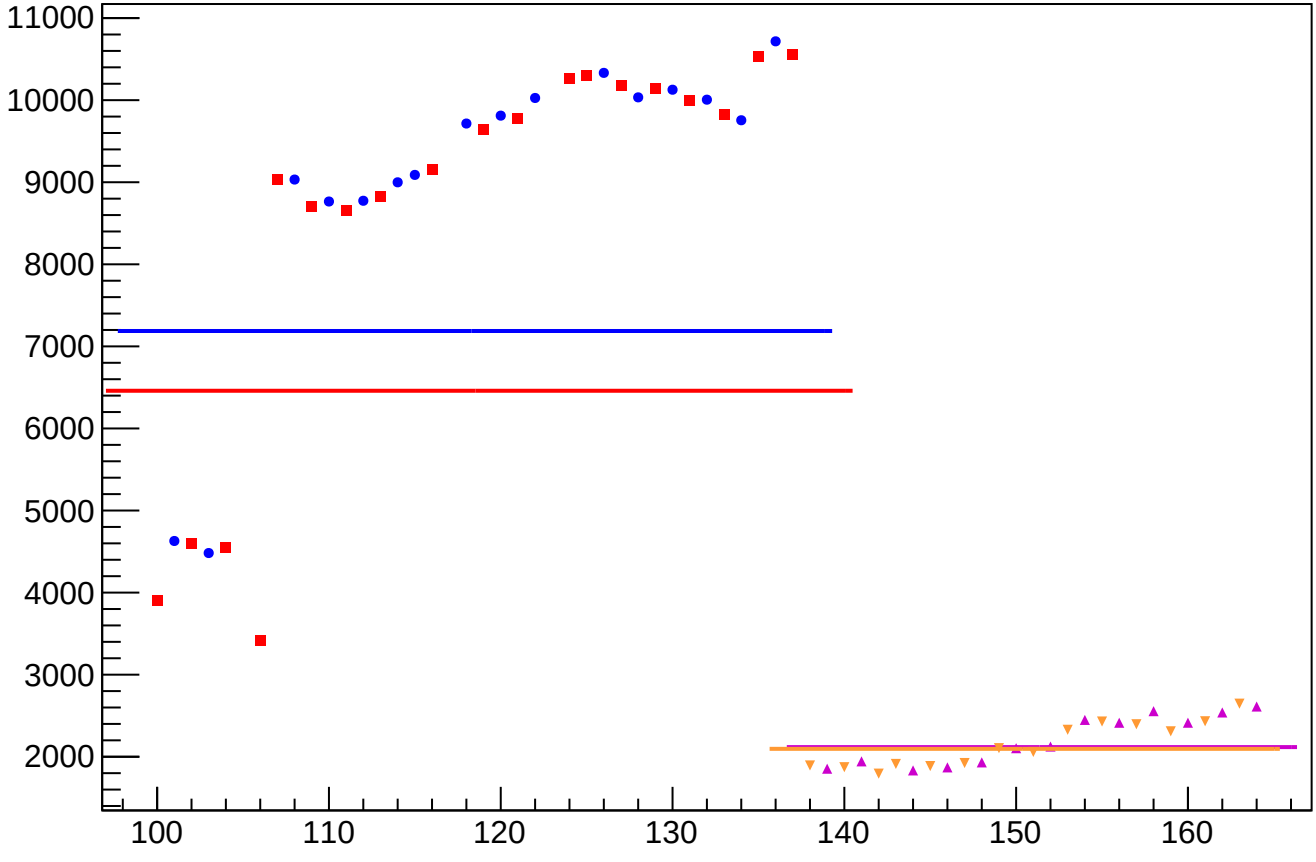
In: 3474.670+/-1.177 χ^2/NDF:20433980.6/28

Out: 3728.270+/-1.258 χ^2/NDF:22961037.9/32

All: 3593.075+/-0.860 χ^2/NDF: 43416684.8/6


diff_bpm0l04X_mean vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
Right In: -32.171+/-2.842 χ²/NDF: 207.8/15
Left Out: 11.902+/-0.631 χ²/NDF:21.3/13
Right Out: -21.801+/-2.557 χ²/NDF: 49.1/18
Left In: 2.891+/-0.645 χ²/NDF:94.2/12
Left: 7.499+/-0.451 χ²/NDF: 215.3/26
Right: -26.441+/-1.901 χ²/NDF: 264.2/34
In: 1.172+/-0.629 χ²/NDF:446.8/28
Out: 9.970+/-0.612 χ²/NDF:234.1/32
All: 5.690+/-0.439 χ²/NDF: 781.3/61

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2096.428+/-0.446 χ^2/NDF:308331.9/13

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2117.602+/-0.456 χ^2/NDF:360232.4/12

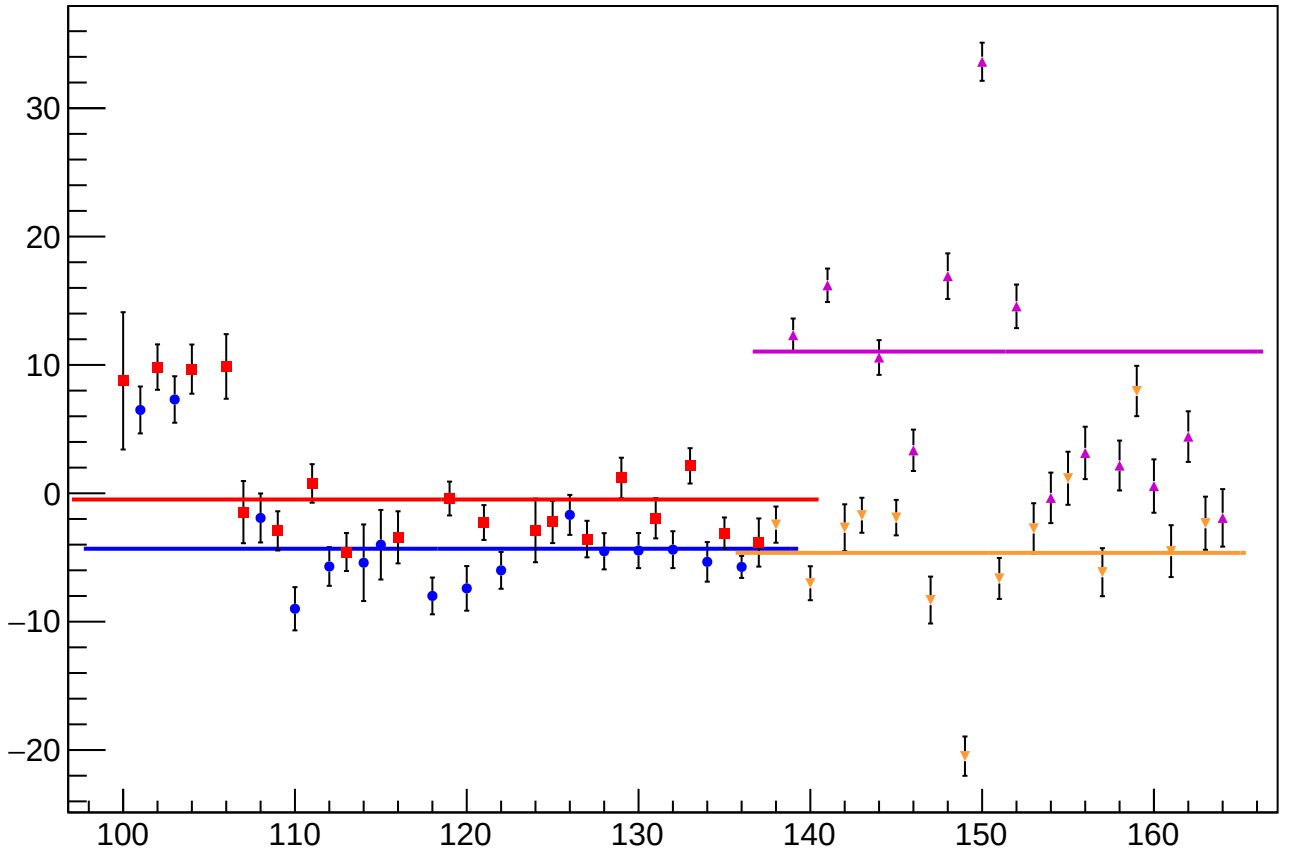
Left: 2106.774+/-0.319 χ^2/NDF: 669665.8/26

Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2366.159+/-0.445 χ^2/NDF:8119689.1/28

Out: 2346.592+/-0.433 χ^2/NDF:8072017.0/32

All: 2356.110+/-0.310 χ^2/NDF: 16192699.5/6



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -4.641+/-0.444 χ^2/NDF:180.0/13

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 11.042+/-0.462 χ^2/NDF:425.3/12

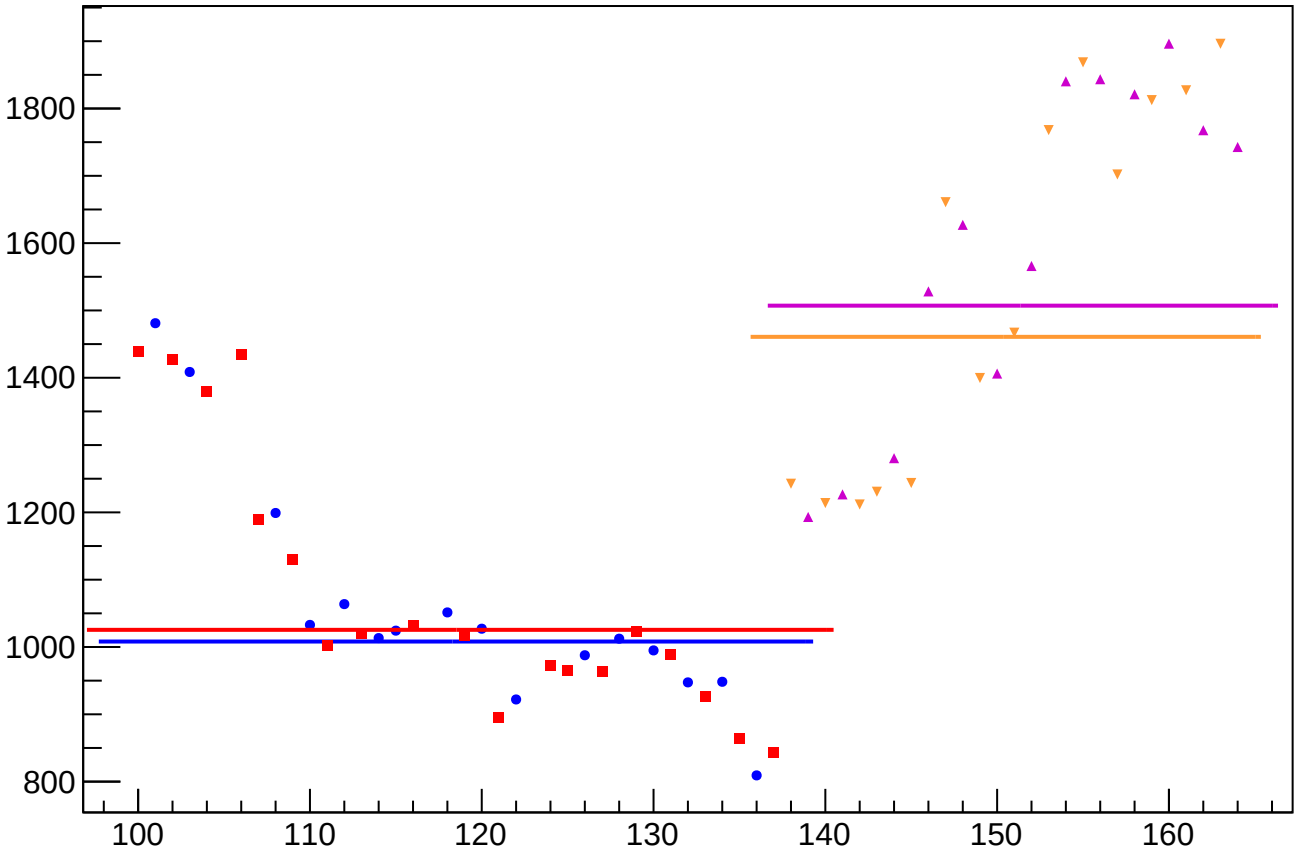
Left: 2.885+/-0.320 χ^2/NDF: 1204.1/26

Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.871+/-0.293 χ^2/NDF:1188.4/28

Out: -2.232+/-0.288 χ^2/NDF:348.0/32

All: -0.218+/-0.206 χ^2/NDF: 1636.0/61



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1460.783+/-0.314 χ^2/NDF:667106.3/13

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1507.112+/-0.327 χ^2/NDF:577725.1/12

Left: 1483.016+/-0.226 χ^2/NDF: 1255282.4/26

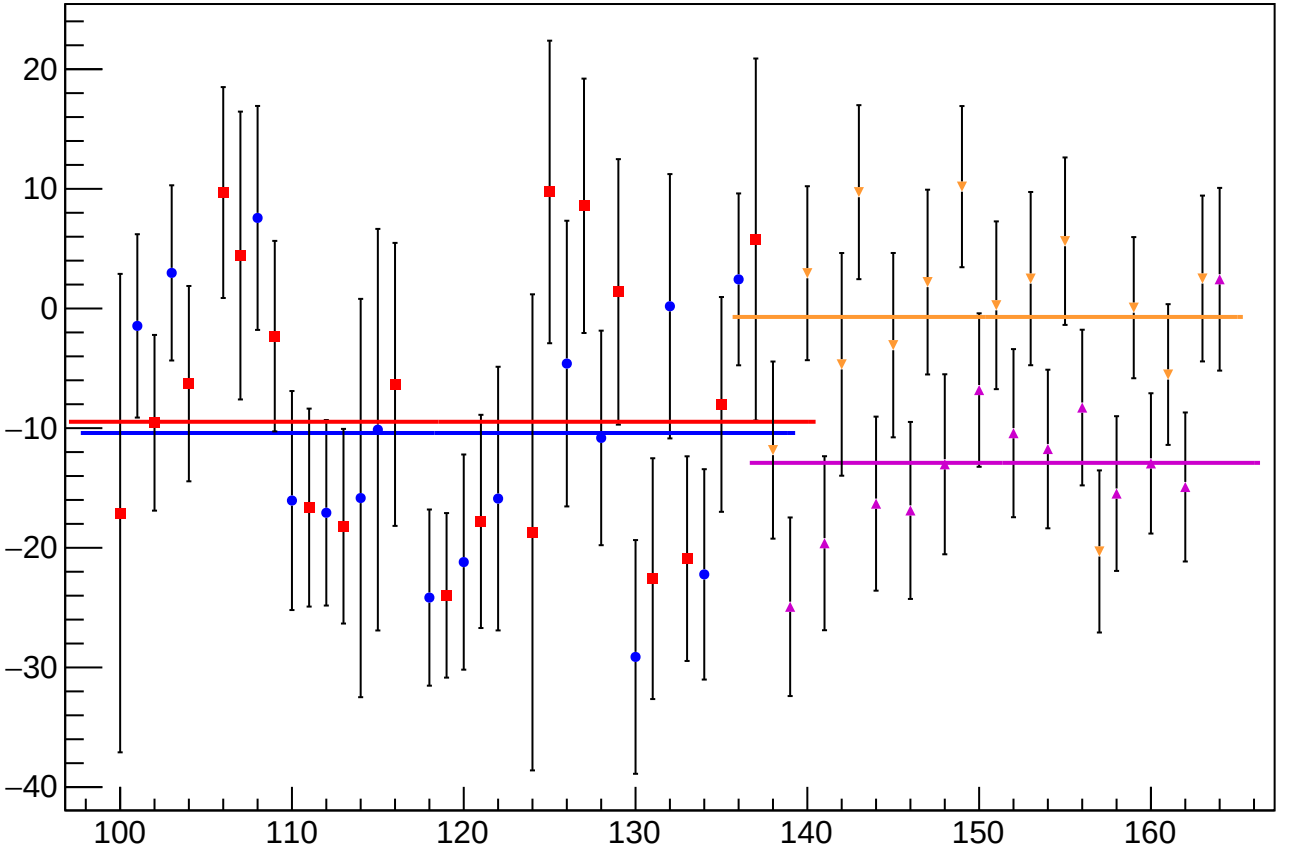
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1209.207+/-0.207 χ^2/NDF:2348243.6/28

Out: 1208.783+/-0.204 χ^2/NDF:2126056.0/32

All: 1208.991+/-0.145 χ^2/NDF: 4474301.7/61

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.705+/-1.878 χ^2/NDF:17.9/13

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -12.900+/-1.894 χ^2/NDF:9.8/12

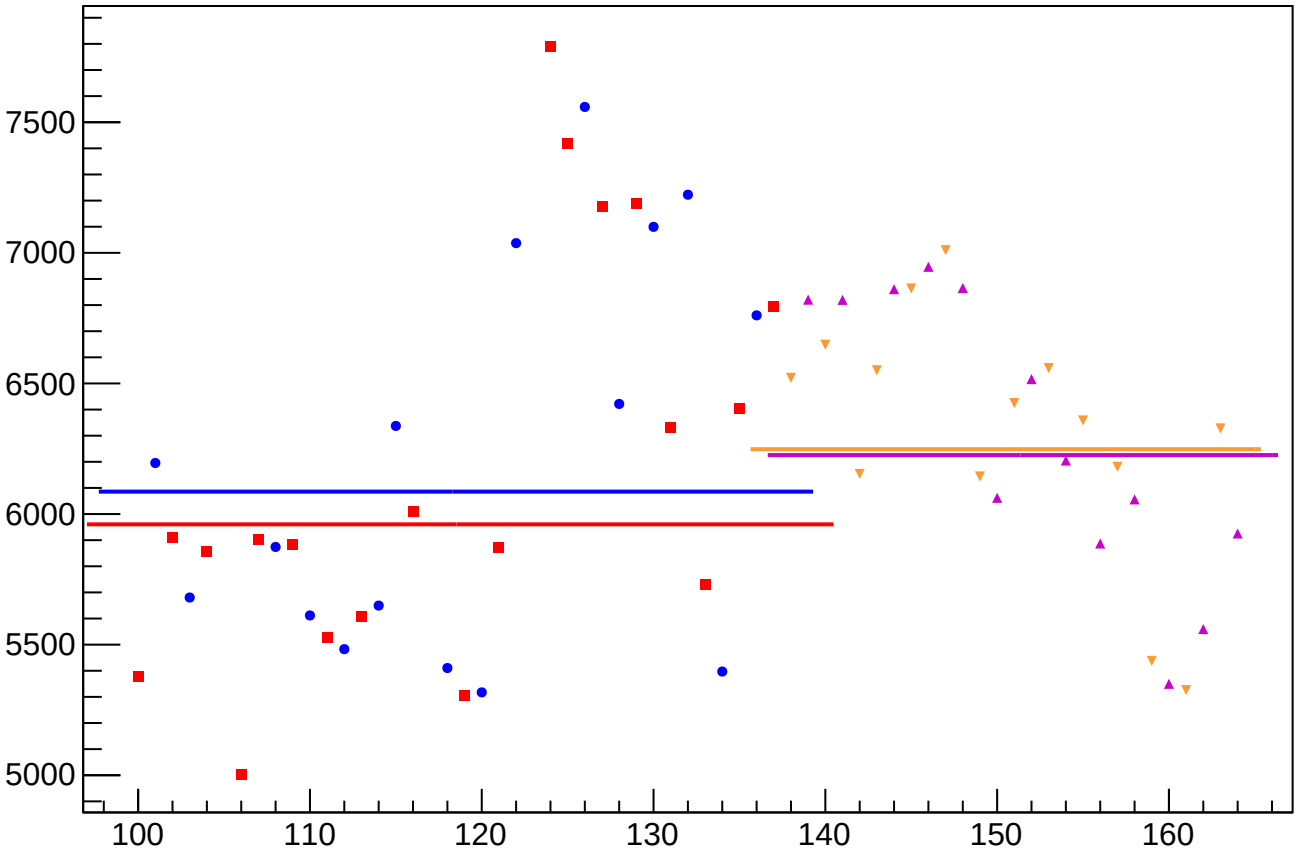
Left: -6.751+/-1.334 χ^2/NDF: 48.6/26

Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -11.881+/-1.457 χ^2/NDF:35.2/28

Out: -4.417+/-1.426 χ^2/NDF:52.5/32

All: -8.069+/-1.019 χ^2/NDF: 101.0/61



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6248.276+/-1.328 χ^2/NDF:138020.8/13

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6225.823+/-1.340 χ^2/NDF:156913.3/12

Left: 6237.145+/-0.943 χ^2/NDF: 295075.7/26

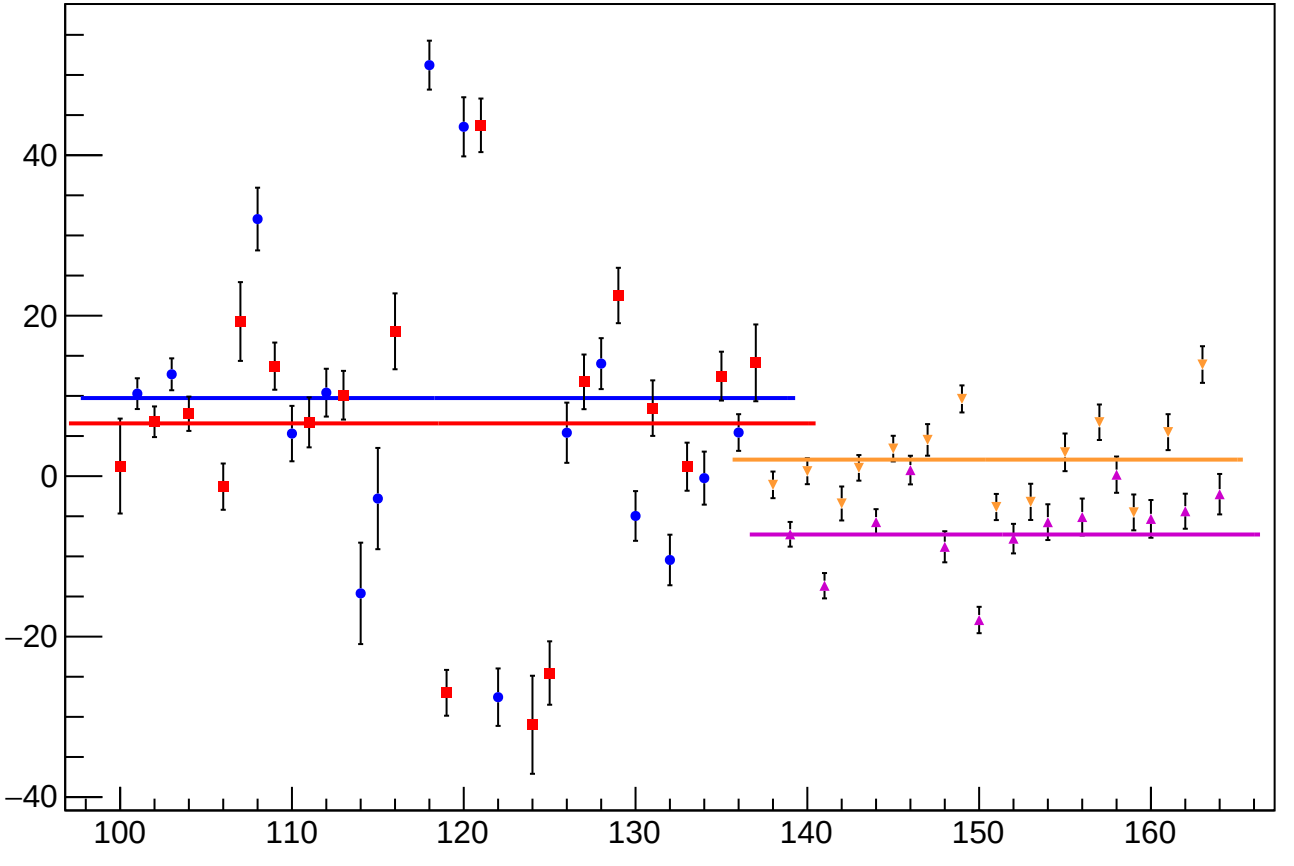
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6168.665+/-1.030 χ^2/NDF:340489.9/28

Out: 6126.406+/-1.008 χ^2/NDF:320665.1/32

All: 6147.080+/-0.721 χ^2/NDF: 662014.2/61

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 2.062+/-0.505 χ^2/NDF:95.0/13

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -7.272+/-0.528 χ^2/NDF:99.0/12

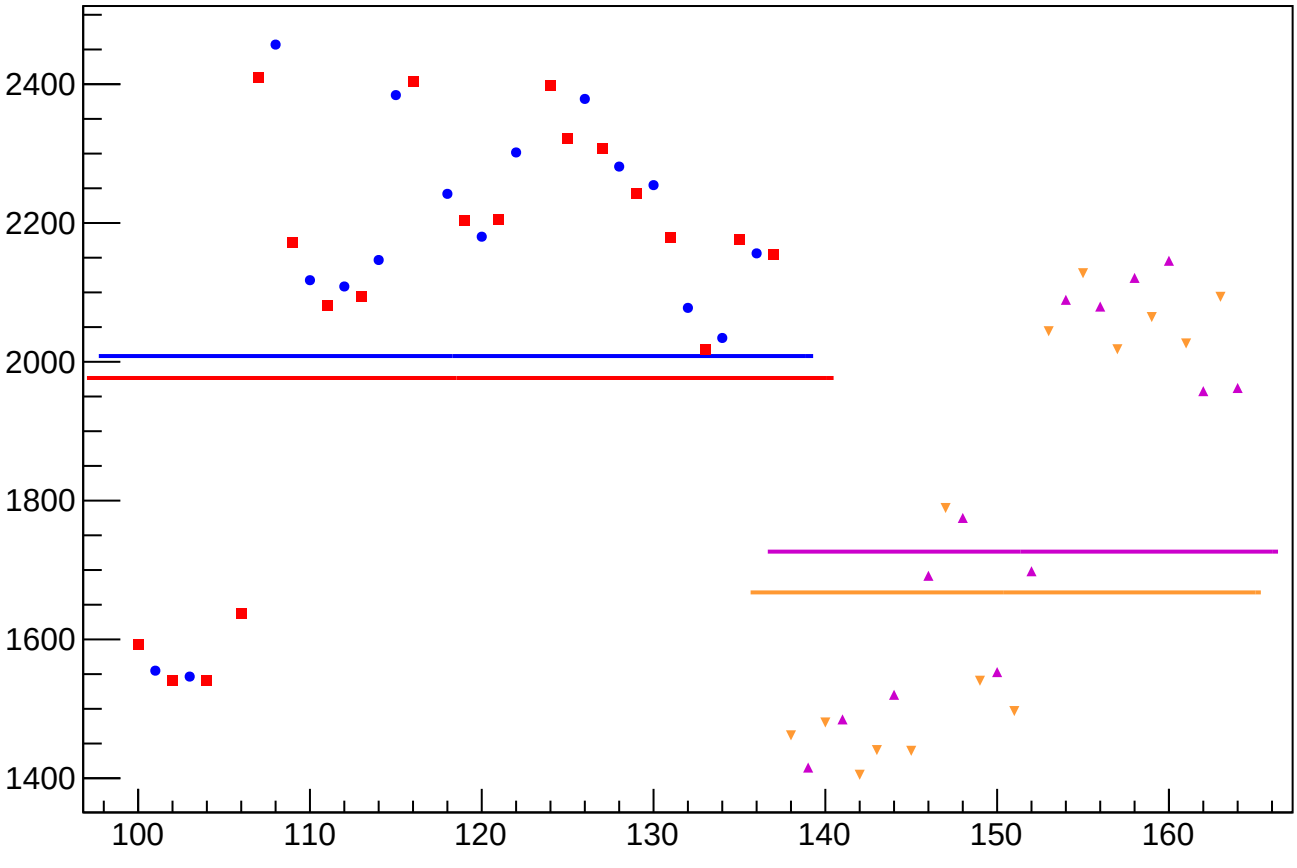
Left: -2.403+/-0.365 χ^2/NDF: 357.1/26

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.689+/-0.433 χ^2/NDF:952.1/28

Out: 3.523+/-0.416 χ^2/NDF:544.6/32

All: 1.022+/-0.300 χ^2/NDF: 1572.3/61



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1667.740+/-0.357 χ^2/NDF:577663.7/13

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1726.497+/-0.373 χ^2/NDF:450829.3/12

Left: 1695.843+/-0.258 χ^2/NDF: 1041422.8/26

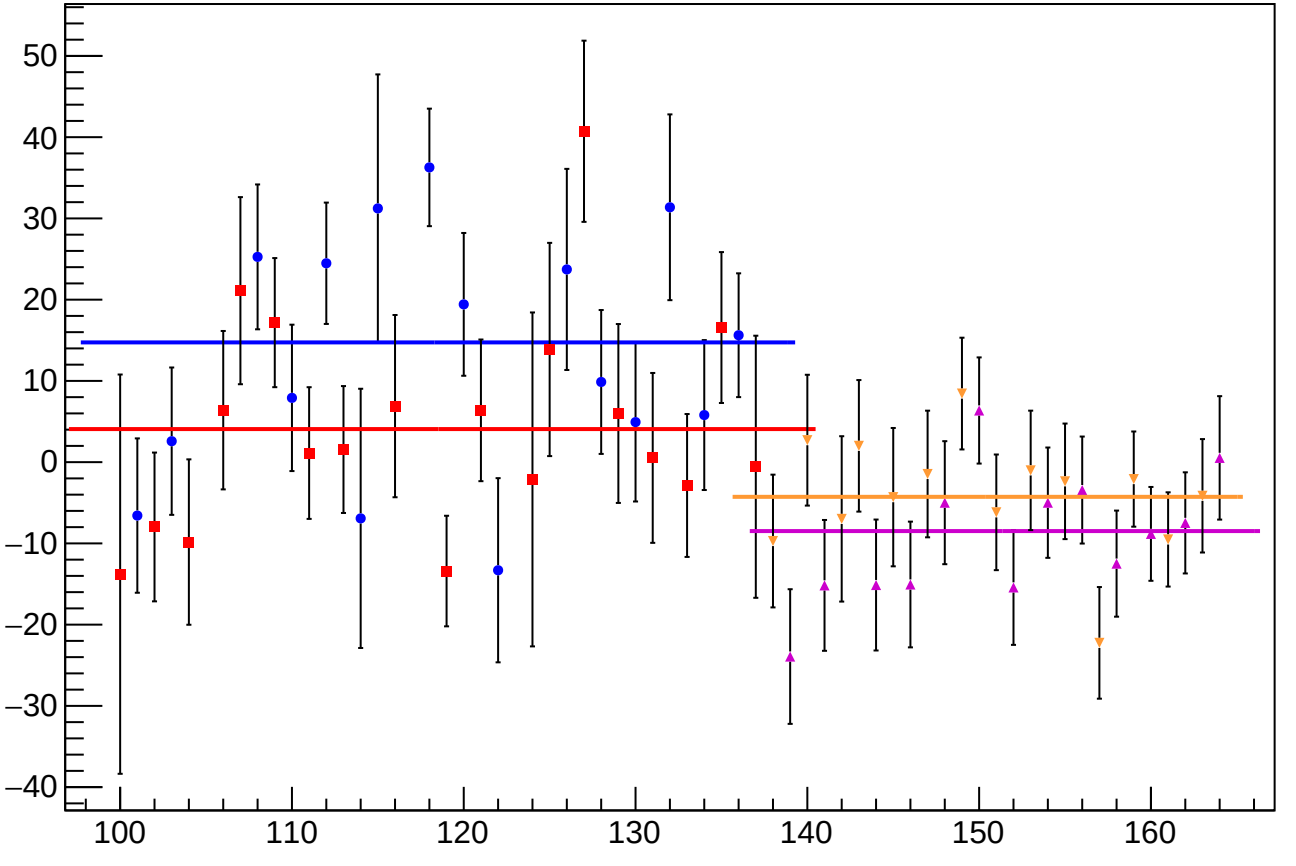
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1819.025+/-0.306 χ^2/NDF:982391.1/28

Out: 1767.774+/-0.294 χ^2/NDF:1185034.2/32

All: 1792.372+/-0.212 χ^2/NDF: 2182024.7/61

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -4.268+/-1.941 χ^2/NDF:13.6/13

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -8.484+/-1.945 χ^2/NDF:14.6/12

Left: -6.372+/-1.374 χ^2/NDF: 30.5/26

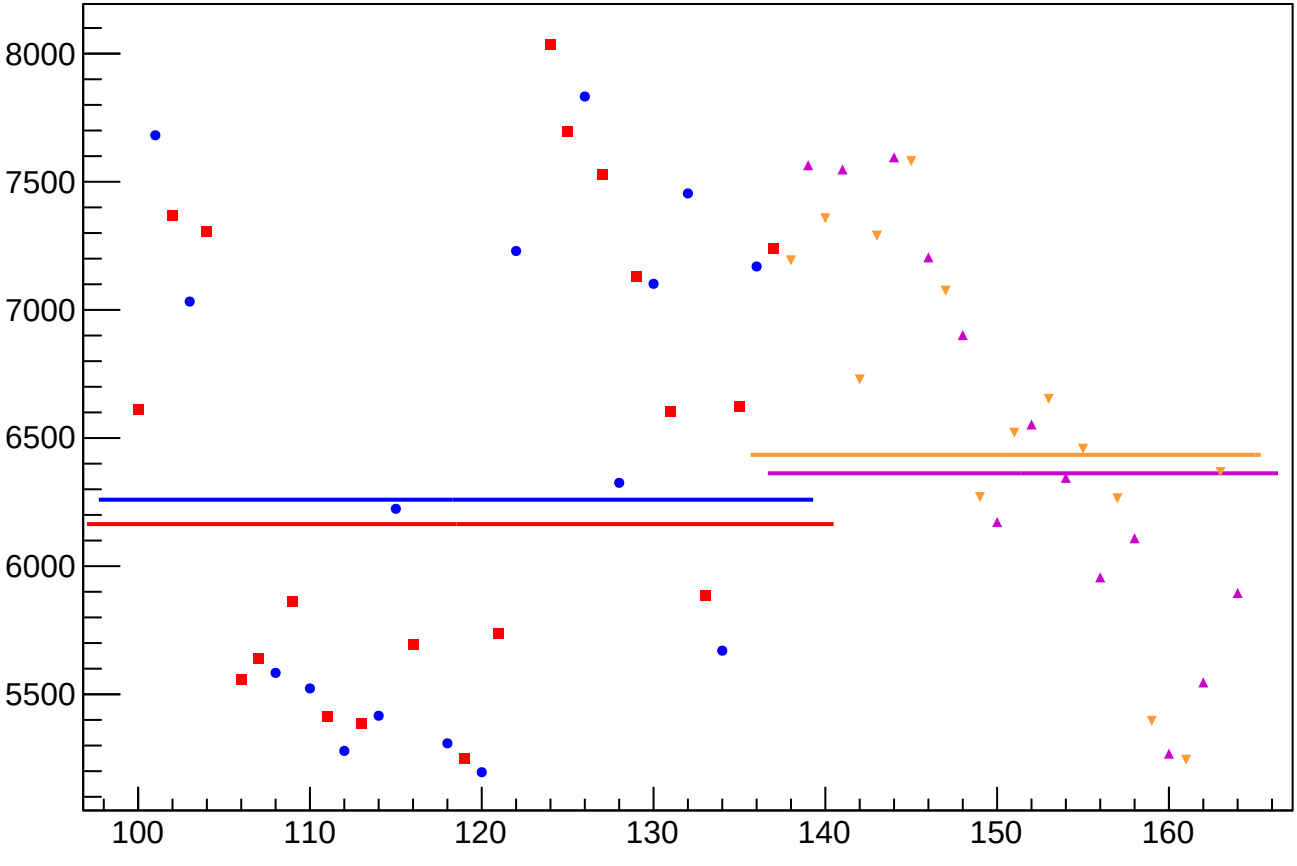
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 0.922+/-1.500 χ^2/NDF:105.8/28

Out: -0.752+/-1.476 χ^2/NDF:51.5/32

All: 0.072+/-1.052 χ^2/NDF: 158.0/61

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6434.391+/-1.373 χ^2/NDF:268820.6/13

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6362.368+/-1.375 χ^2/NDF:293627.2/12

Left: 6398.447+/-0.972 χ^2/NDF: 563821.3/26

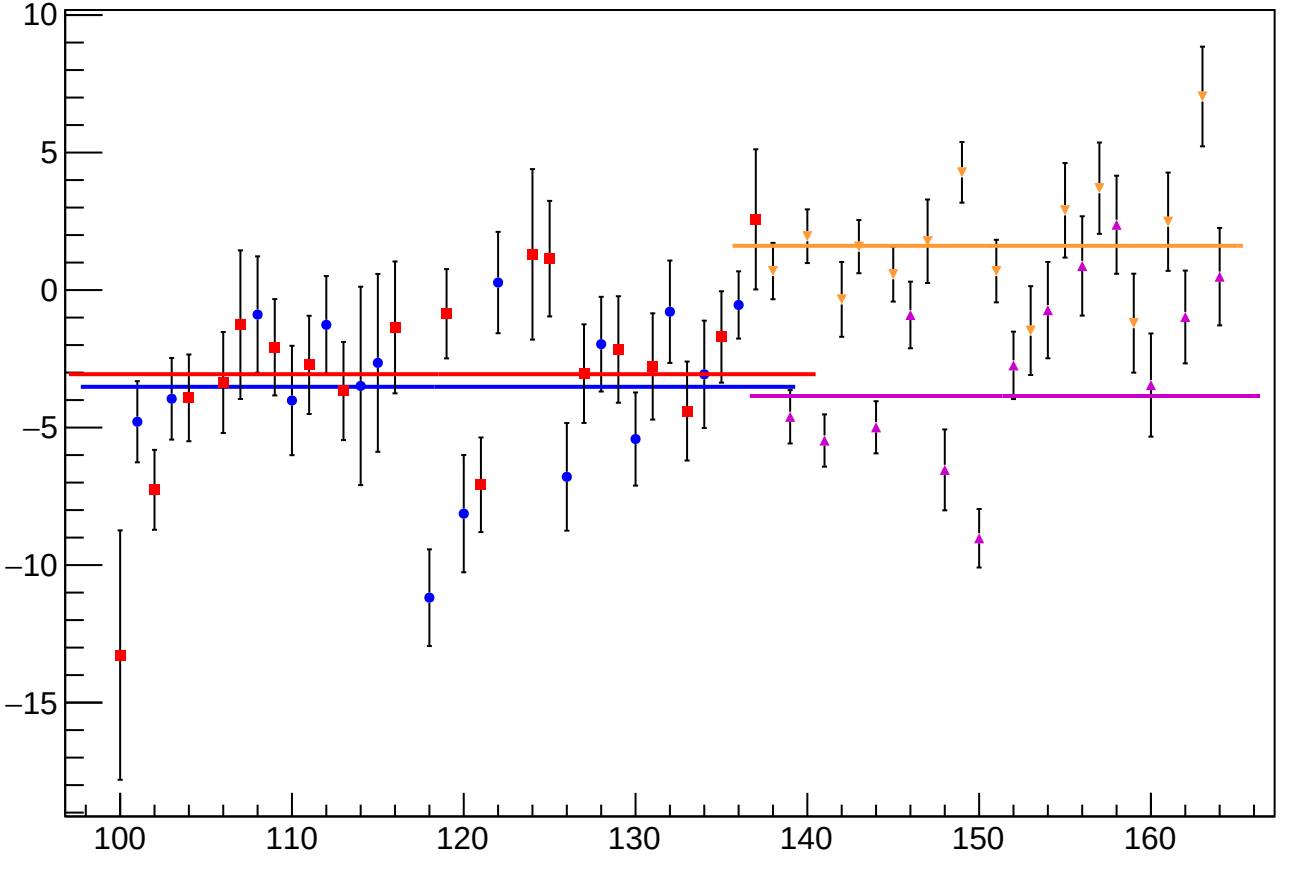
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6320.671+/-1.061 χ^2/NDF:604503.0/28

Out: 6320.436+/-1.044 χ^2/NDF:550219.4/32

All: 6320.551+/-0.744 χ^2/NDF: 1154722.4/61

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.609+/-0.340 χ^2/NDF:28.0/13

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -3.852+/-0.356 χ^2/NDF:69.9/12

Left: -0.992+/-0.246 χ^2/NDF: 221.0/26

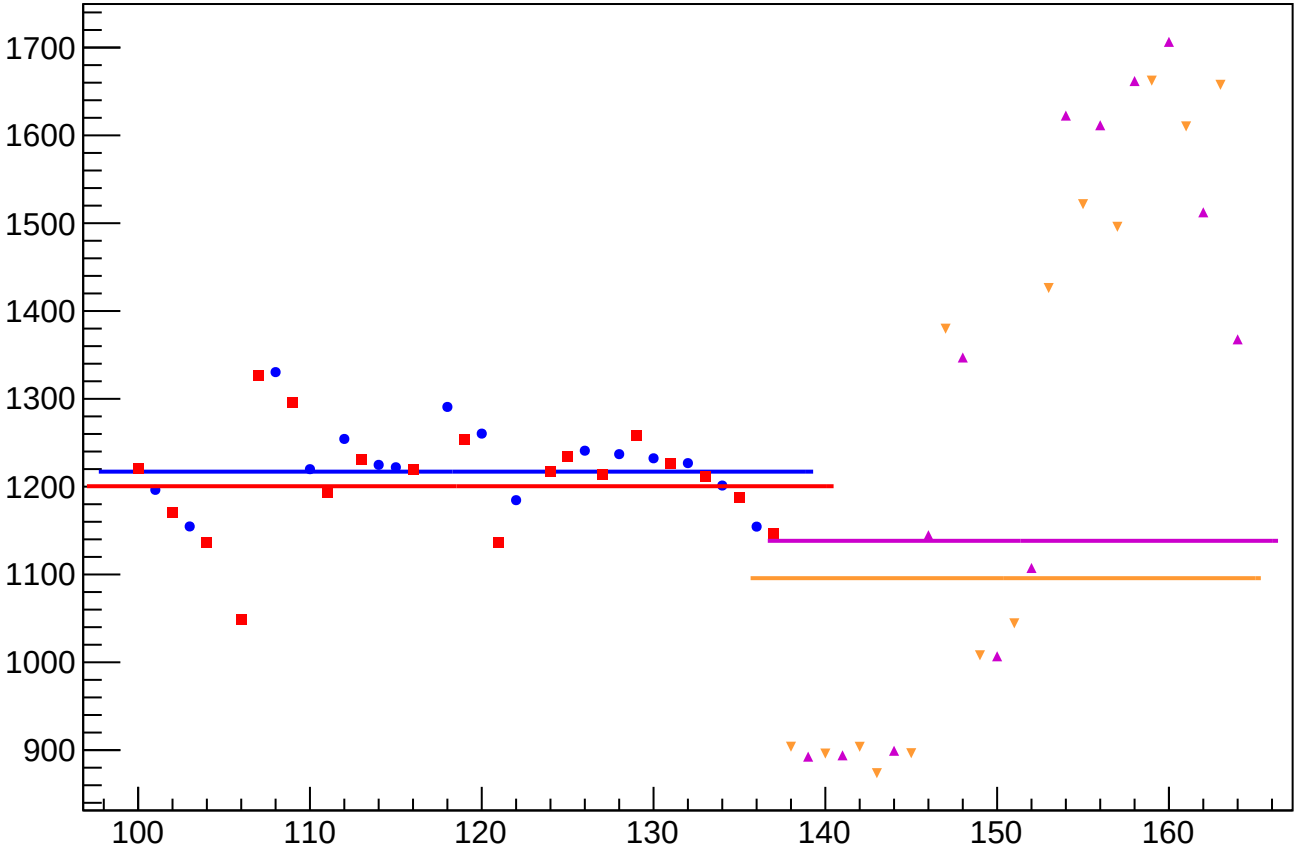
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.724+/-0.280 χ^2/NDF:115.3/28

Out: -0.143+/-0.269 χ^2/NDF:133.7/32

All: -1.860+/-0.194 χ^2/NDF: 334.2/61

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1095.794+/-0.240 χ^2/NDF:1345248.2/13

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1138.327+/-0.252 χ^2/NDF:1237624.4/12

Left: 1116.054+/-0.174 χ^2/NDF: 2597799.3/26

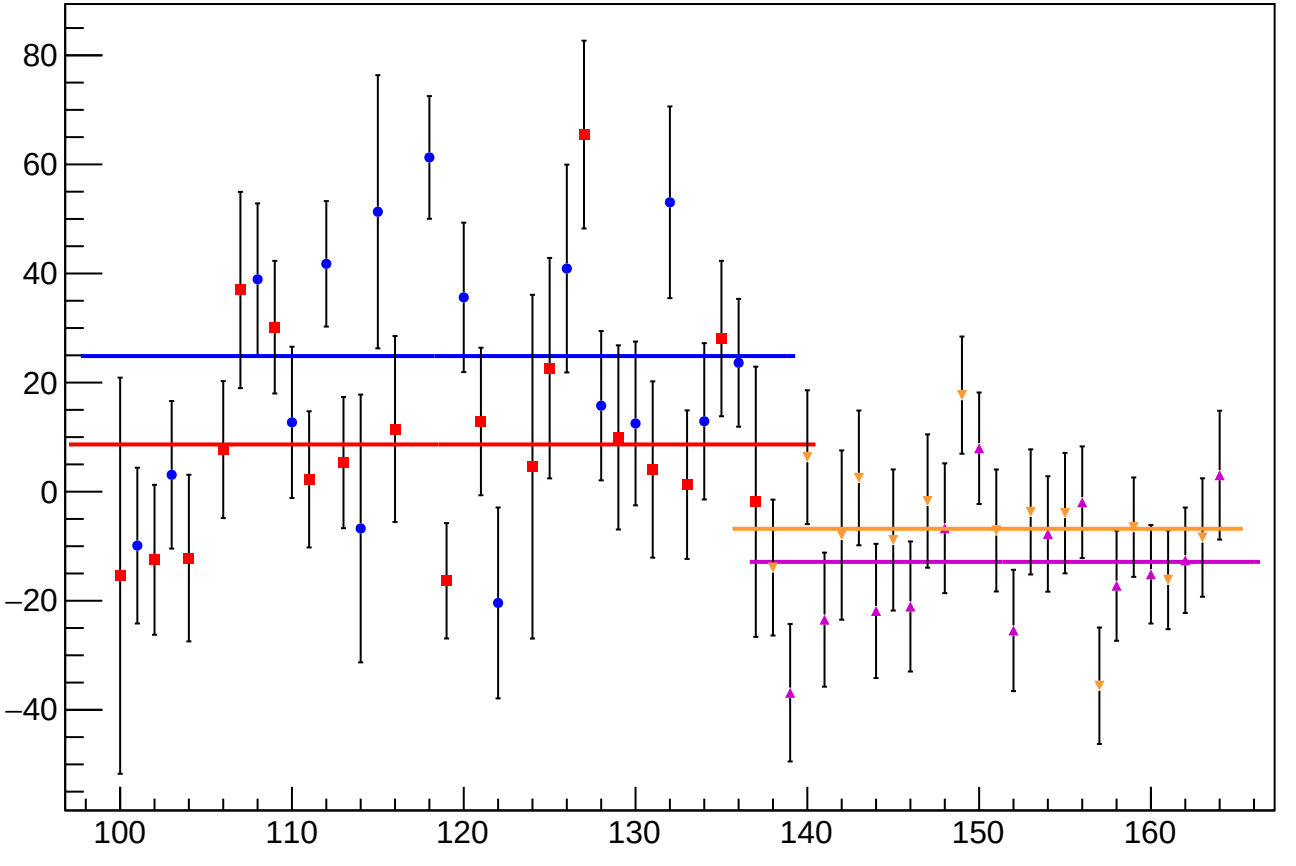
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1168.476+/-0.198 χ^2/NDF:1296731.6/28

Out: 1135.095+/-0.190 χ^2/NDF:1454180.1/32

All: 1151.095+/-0.137 χ^2/NDF: 2765723.4/61

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -6.805+/-3.009 χ^2/NDF:15.9/13

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -12.872+/-3.020 χ^2/NDF:14.5/12

Left: -9.828+/-2.132 χ^2/NDF: 32.5/26

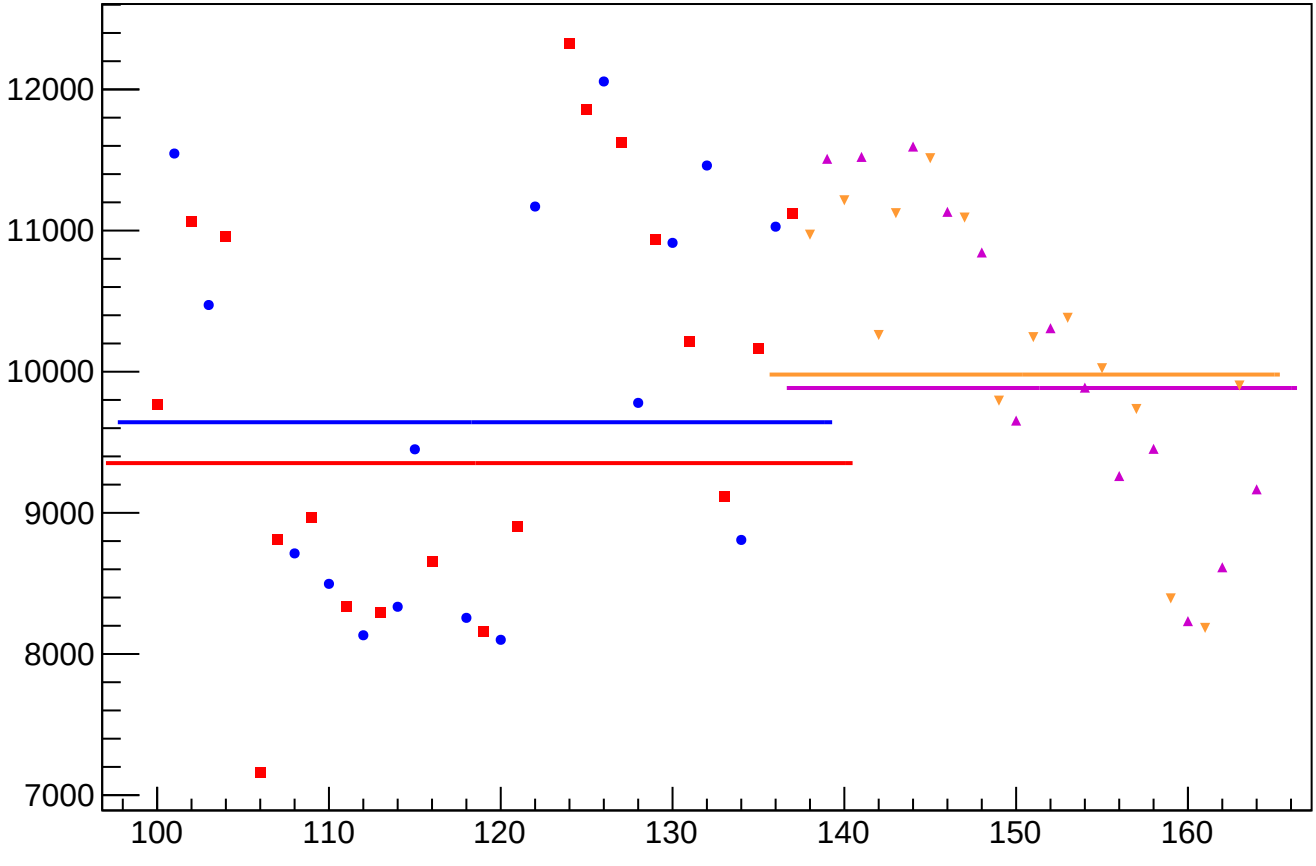
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 2.569+/-2.321 χ^2/NDF:116.6/28

Out: -0.131+/-2.269 χ^2/NDF:57.5/32

All: 1.188+/-1.622 χ^2/NDF: 174.7/61

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9979.886+/-2.128 χ^2/NDF:239807.8/13

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9884.583+/-2.135 χ^2/NDF:266158.7/12

Left: 9932.395+/-1.507 χ^2/NDF: 506966.1/26

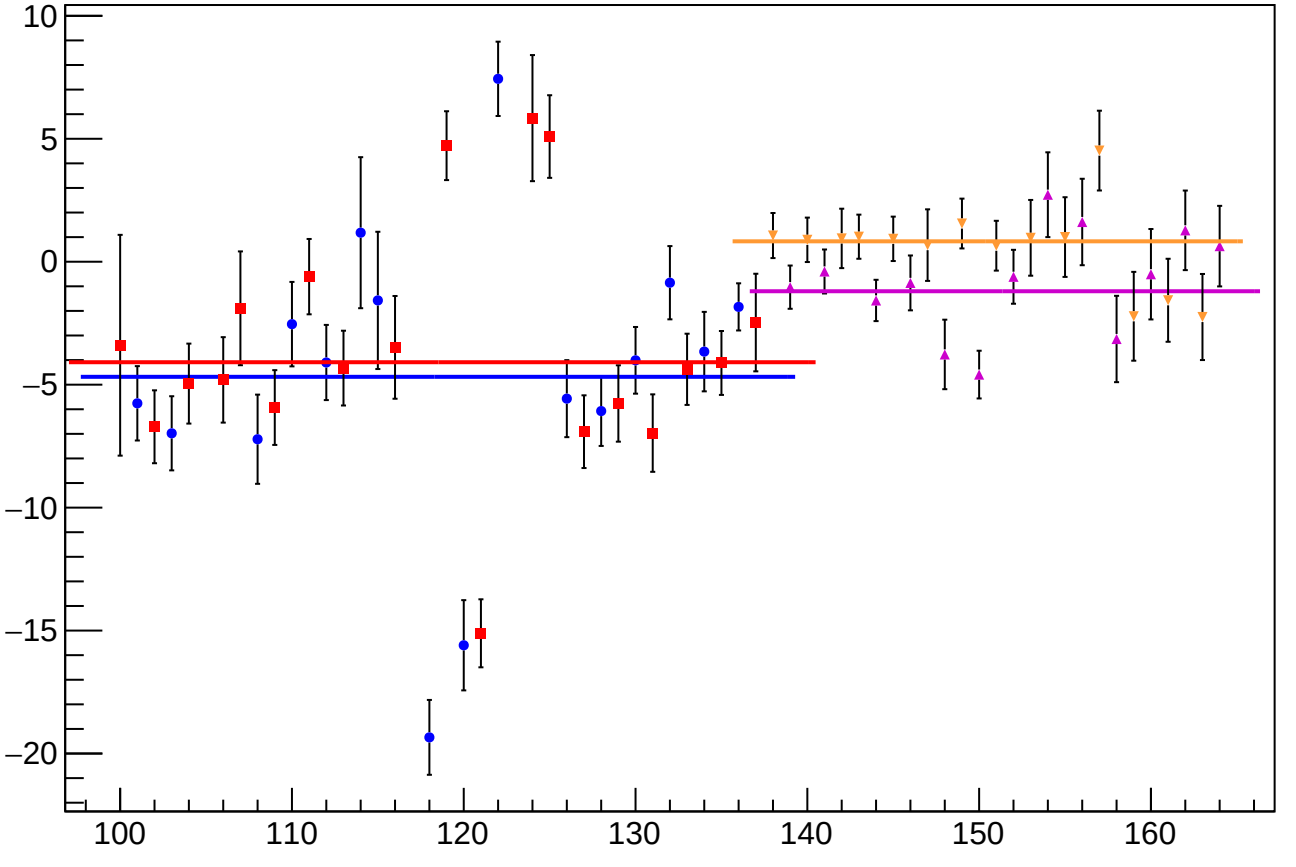
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9785.340+/-1.641 χ^2/NDF:551095.4/28

Out: 9709.117+/-1.604 χ^2/NDF:579101.0/32

All: 9746.366+/-1.147 χ^2/NDF: 1131299.5/61

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.830+/-0.314 χ^2/NDF:13.8/13

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -1.200+/-0.330 χ^2/NDF:29.6/12

Left: -0.135+/-0.227 χ^2/NDF: 63.4/26

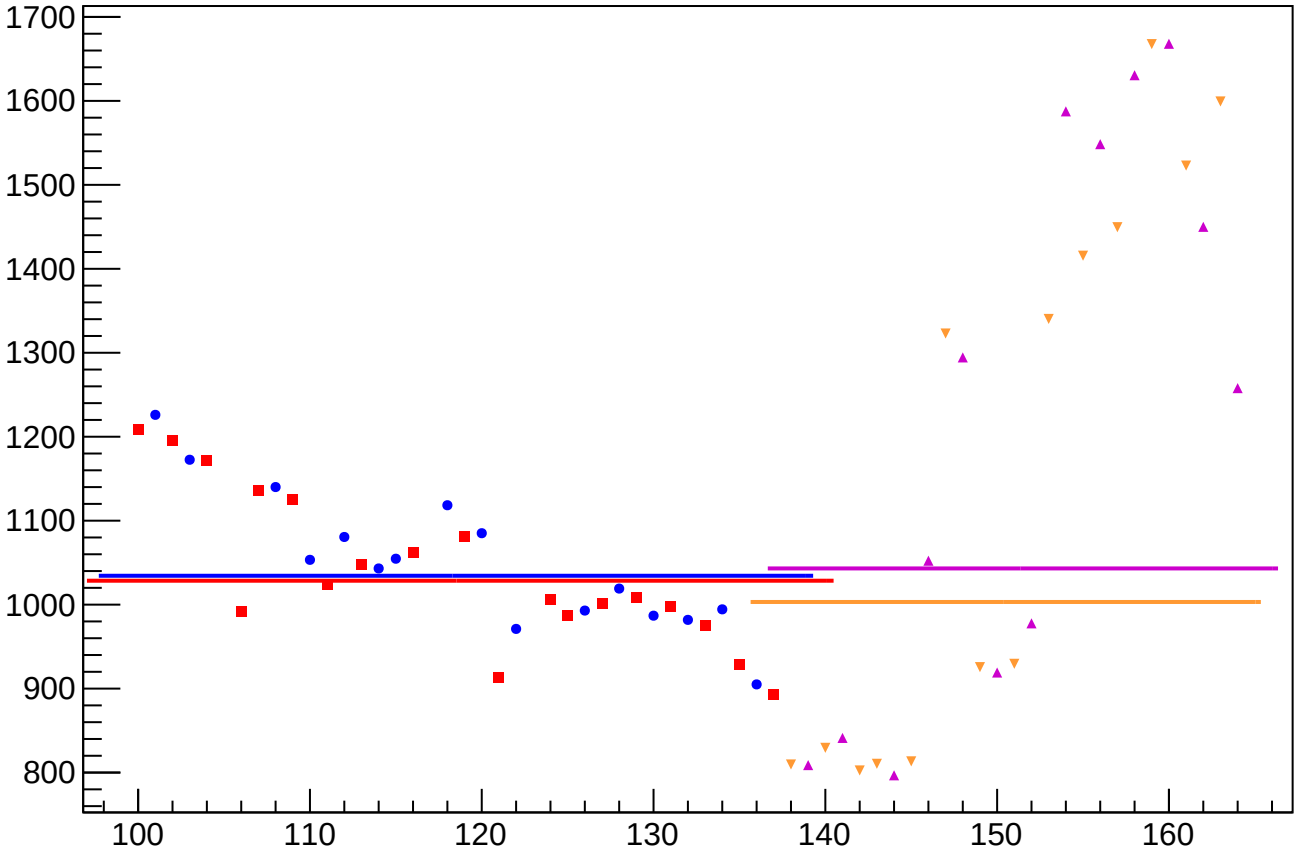
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -2.670+/-0.251 χ^2/NDF:297.8/28

Out: -1.186+/-0.241 χ^2/NDF:282.6/32

All: -1.899+/-0.174 χ^2/NDF: 598.6/61

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1003.178+/-0.222 χ^2/NDF:1587021.3/13

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1043.124+/-0.233 χ^2/NDF:1499647.4/12

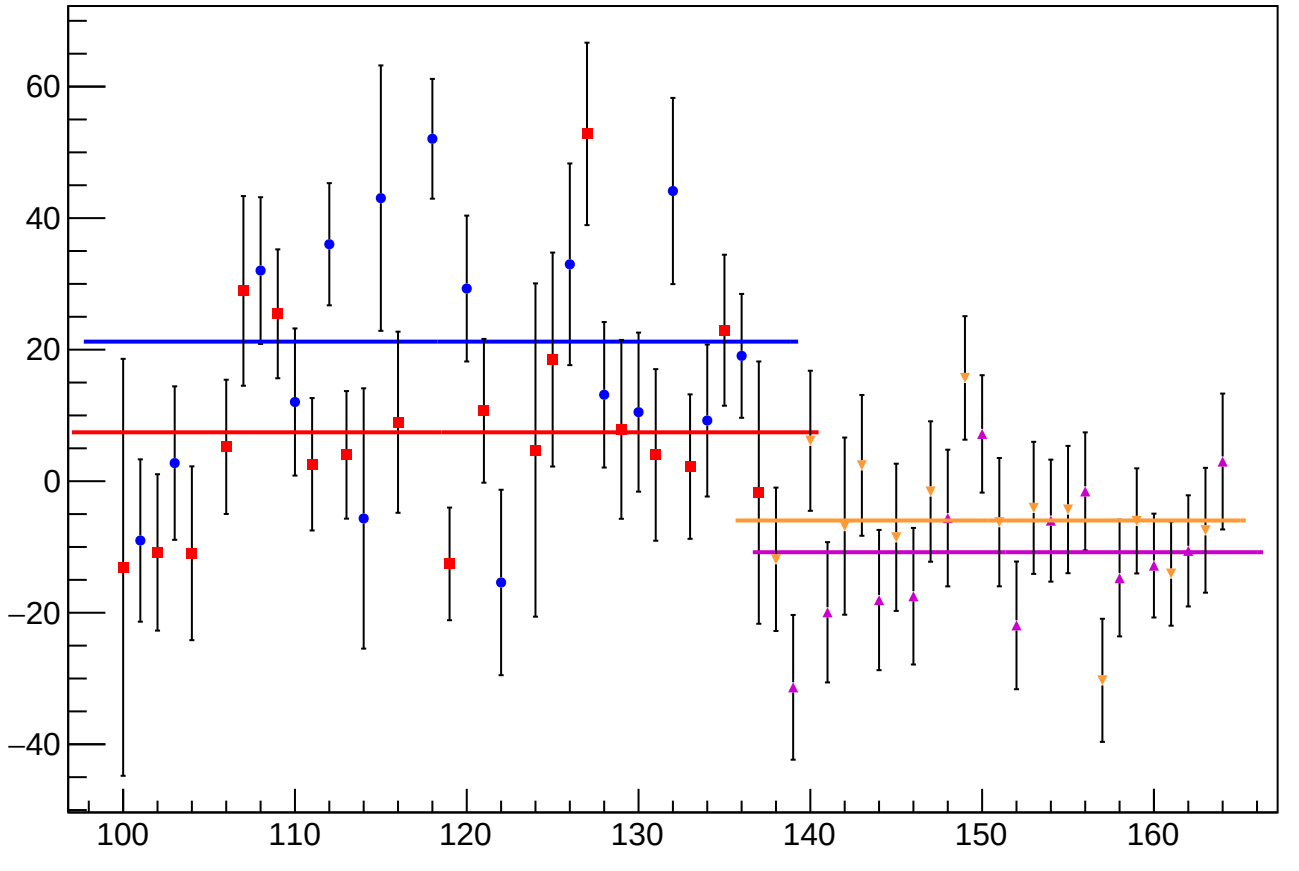
Left: 1022.157+/-0.161 χ^2/NDF: 3102071.3/26

Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

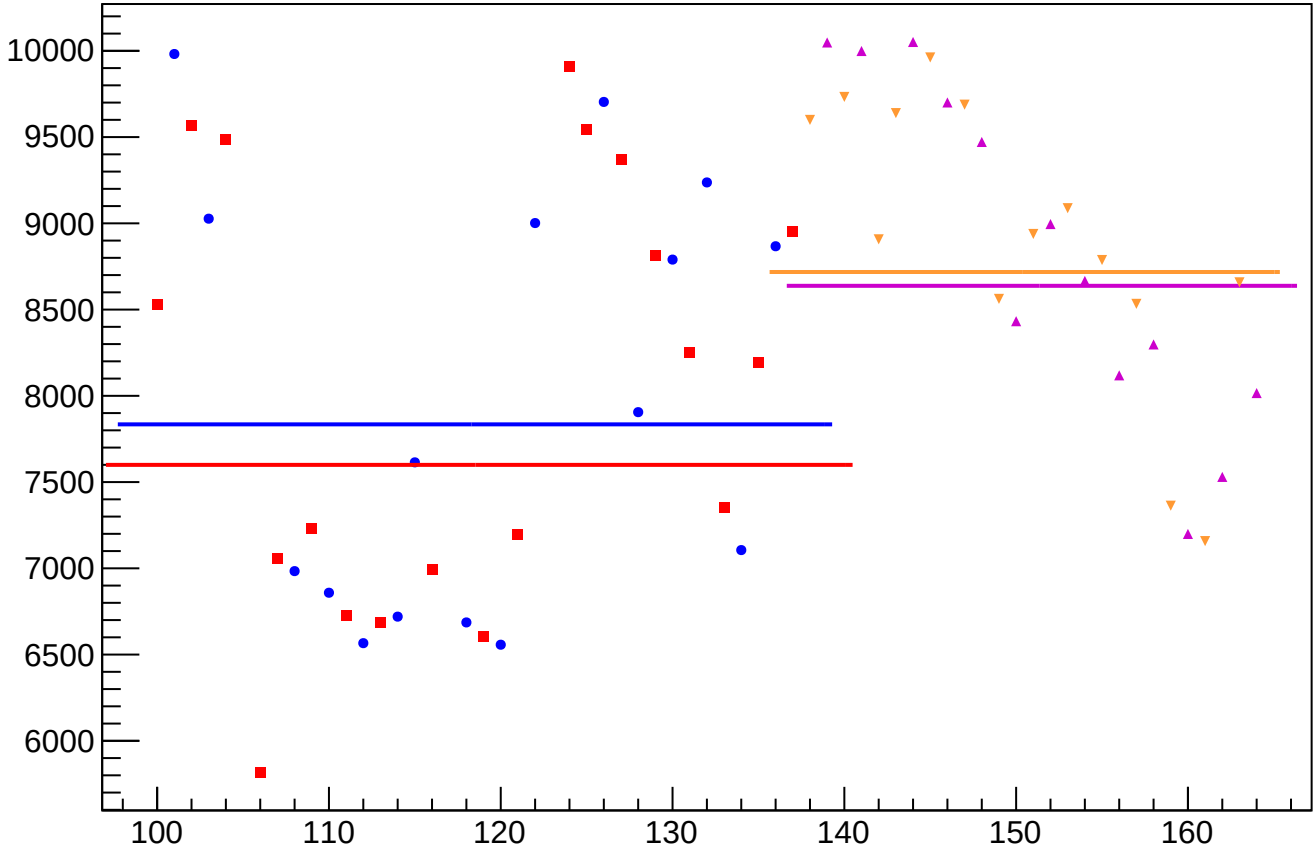
In: 1039.442+/-0.177 χ^2/NDF:1613516.7/28

Out: 1013.560+/-0.170 χ^2/NDF:1693987.4/32

All: 1025.992+/-0.123 χ^2/NDF: 3318583.5/61


diff_bpm0l08X_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
Right In: 21.222+/-2.952 χ²/NDF: 40.1/15
Left Out: -5.973+/-2.628 χ²/NDF:15.6/13
Right Out: 7.435+/-2.810 χ²/NDF: 29.8/18
Left In: -10.797+/-2.638 χ²/NDF:14.1/12
Left: -8.376+/-1.862 χ²/NDF: 31.4/26
Right: 13.990+/-2.035 χ²/NDF: 81.3/34
In: 3.419+/-1.967 χ²/NDF:119.6/28
Out: 0.283+/-1.920 χ²/NDF:57.6/32
All: 1.813+/-1.374 χ²/NDF: 178.5/61

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8717.908+/-1.858 χ^2/NDF:227982.2/13

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8637.826+/-1.865 χ^2/NDF:255900.1/12

Left: 8678.014+/-1.316 χ^2/NDF: 484807.4/26

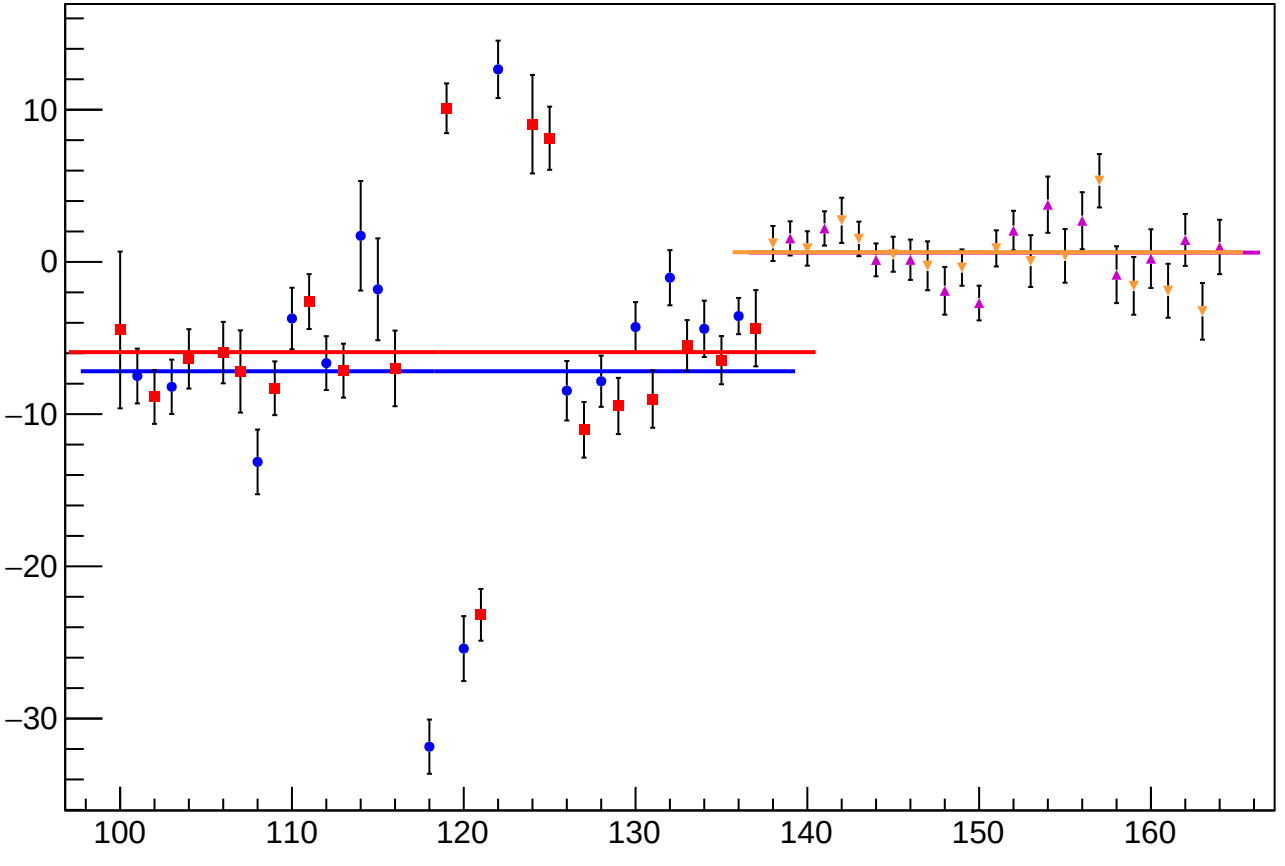
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8281.206+/-1.391 χ^2/NDF:656326.1/28

Out: 8196.253+/-1.357 χ^2/NDF:741183.4/32

All: 8237.695+/-0.971 χ^2/NDF: 1399420.5/61

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.636+/-0.373 χ^2/NDF:19.0/13

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.612+/-0.390 χ^2/NDF:20.3/12

Left: 0.624+/-0.270 χ^2/NDF: 39.3/26

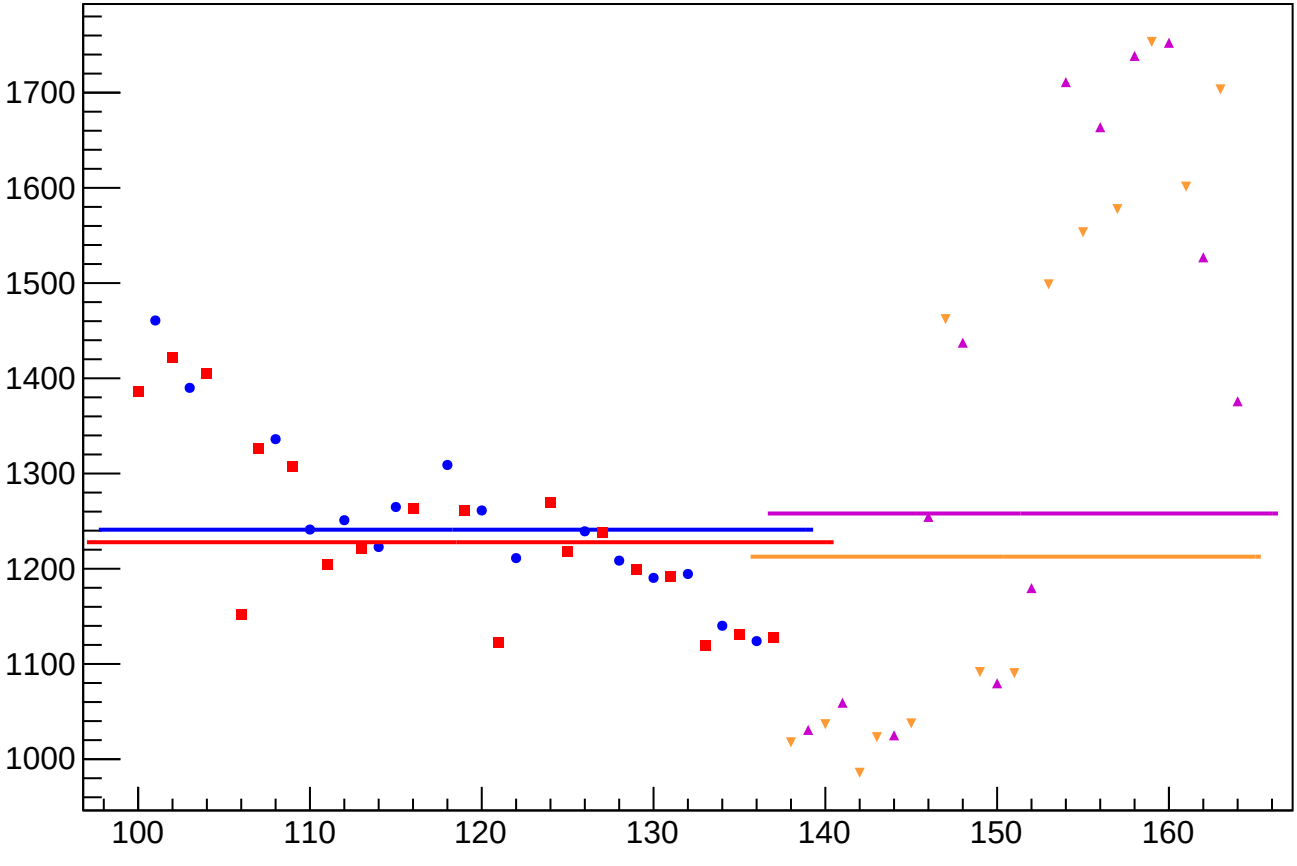
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -2.632+/-0.298 χ^2/NDF:608.5/28

Out: -2.041+/-0.287 χ^2/NDF:435.8/32

All: -2.325+/-0.207 χ^2/NDF: 1046.3/61

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1212.666+/-0.264 χ^2/NDF:959796.5/13

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1258.022+/-0.276 χ^2/NDF:856038.8/12

Left: 1234.302+/-0.191 χ^2/NDF: 1829958.8/26

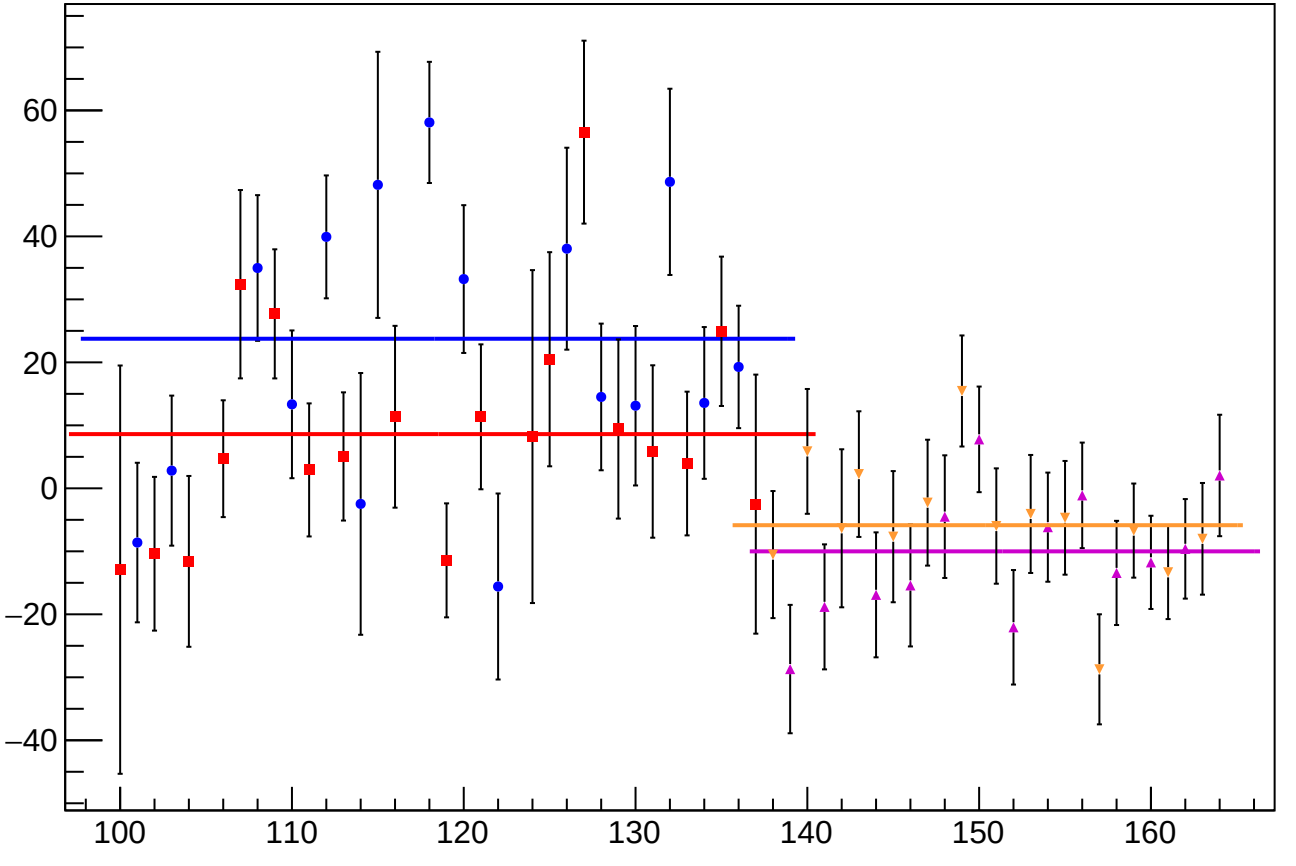
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1250.941+/-0.211 χ^2/NDF:938274.0/28

Out: 1218.865+/-0.203 χ^2/NDF:1043491.4/32

All: 1234.278+/-0.146 χ^2/NDF: 1993783.0/61

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -5.853+/-2.454 χ^2/NDF:16.3/13

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -10.007+/-2.464 χ^2/NDF:14.6/12

Left: -7.922+/-1.739 χ^2/NDF: 32.3/26

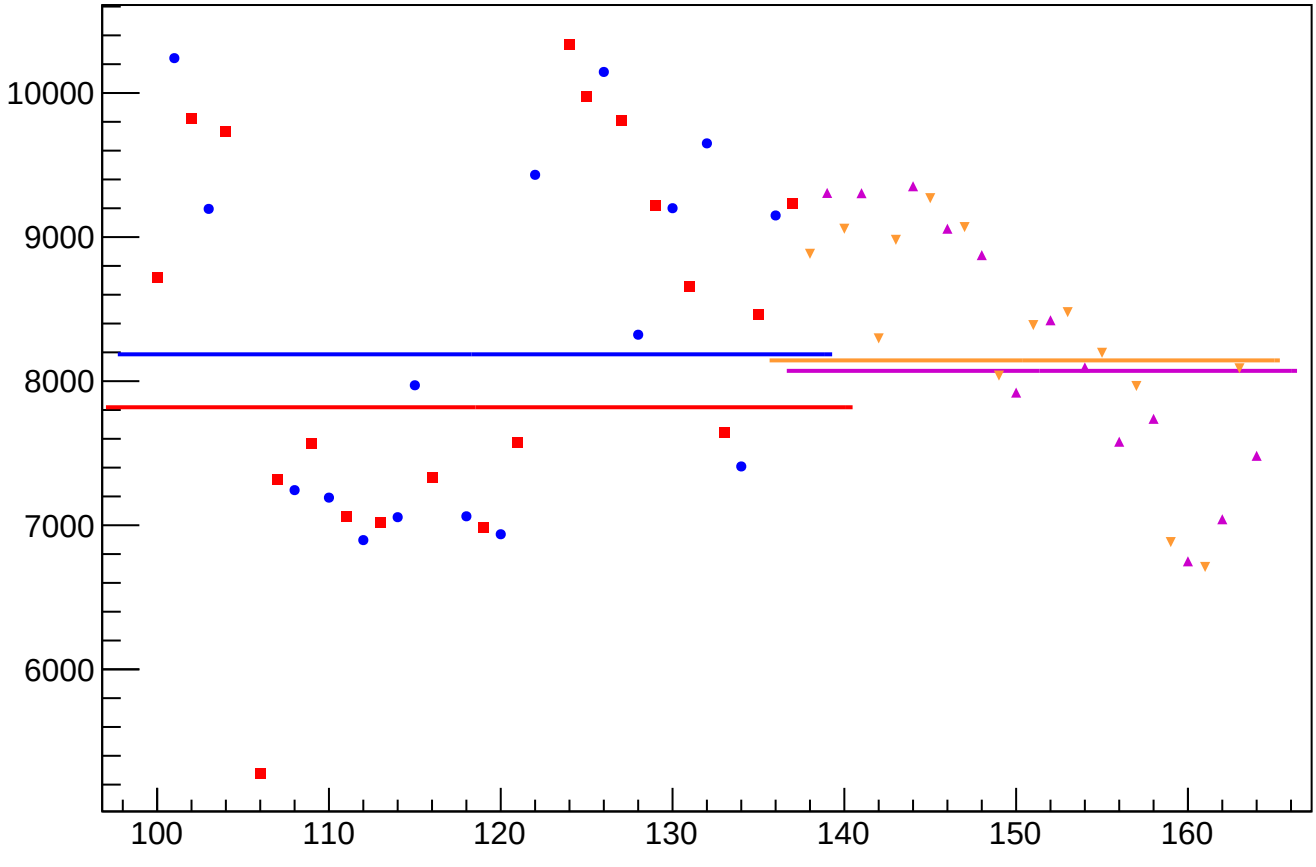
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 3.160+/-1.924 χ^2/NDF:131.3/28

Out: 0.185+/-1.873 χ^2/NDF:61.2/32

All: 1.632+/-1.342 χ^2/NDF: 193.7/61

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8144.218+/-1.736 χ^2/NDF:219420.8/13

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8071.606+/-1.742 χ^2/NDF:246993.2/12

Left: 8108.055+/-1.230 χ^2/NDF: 467285.8/26

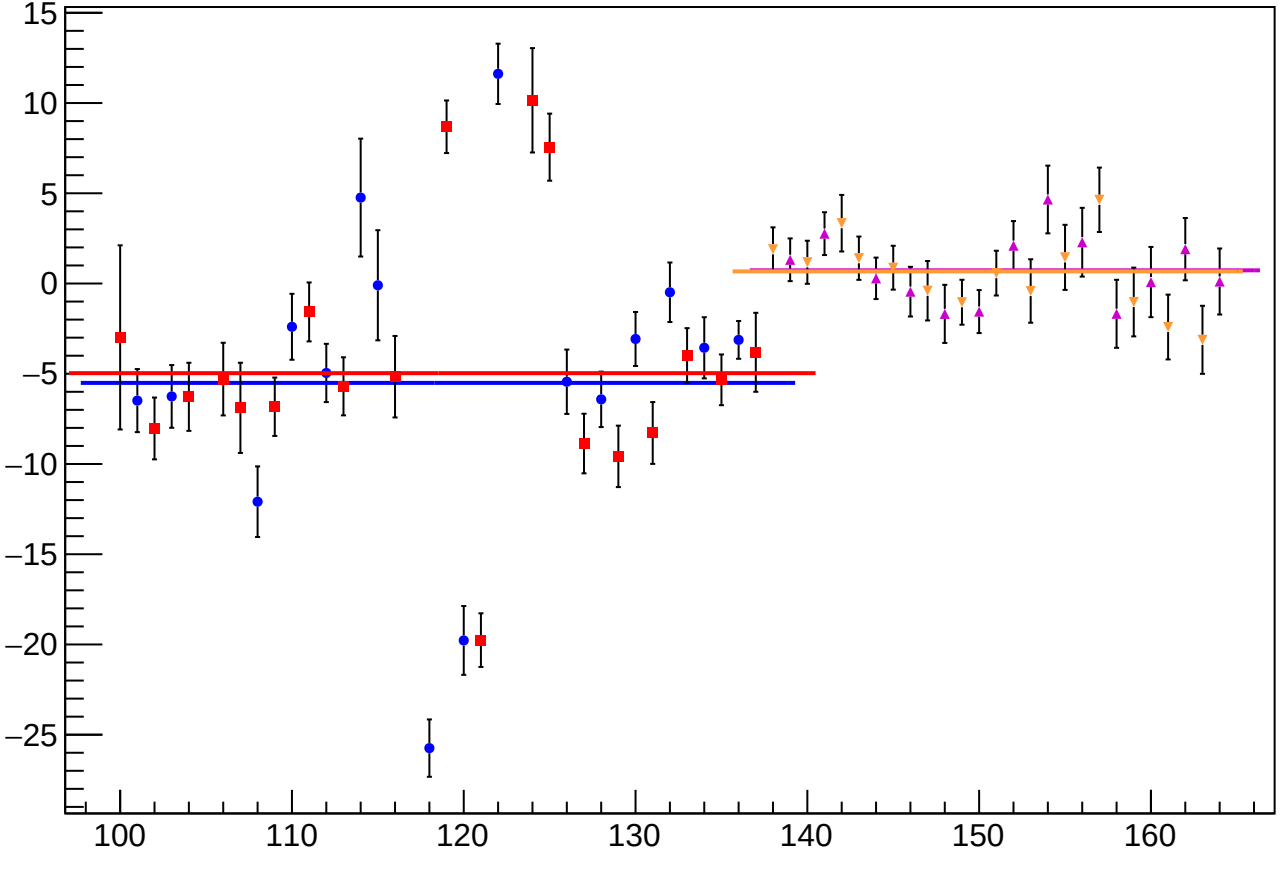
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8116.366+/-1.361 χ^2/NDF:539313.9/28

Out: 8008.414+/-1.325 χ^2/NDF:657082.6/32

All: 8060.935+/-0.949 χ^2/NDF: 1199628.0/61

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.672+/-0.388 χ^2/NDF:20.1/13

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 0.730+/-0.406 χ^2/NDF:18.4/12

Left: 0.700+/-0.280 χ^2/NDF: 38.5/26

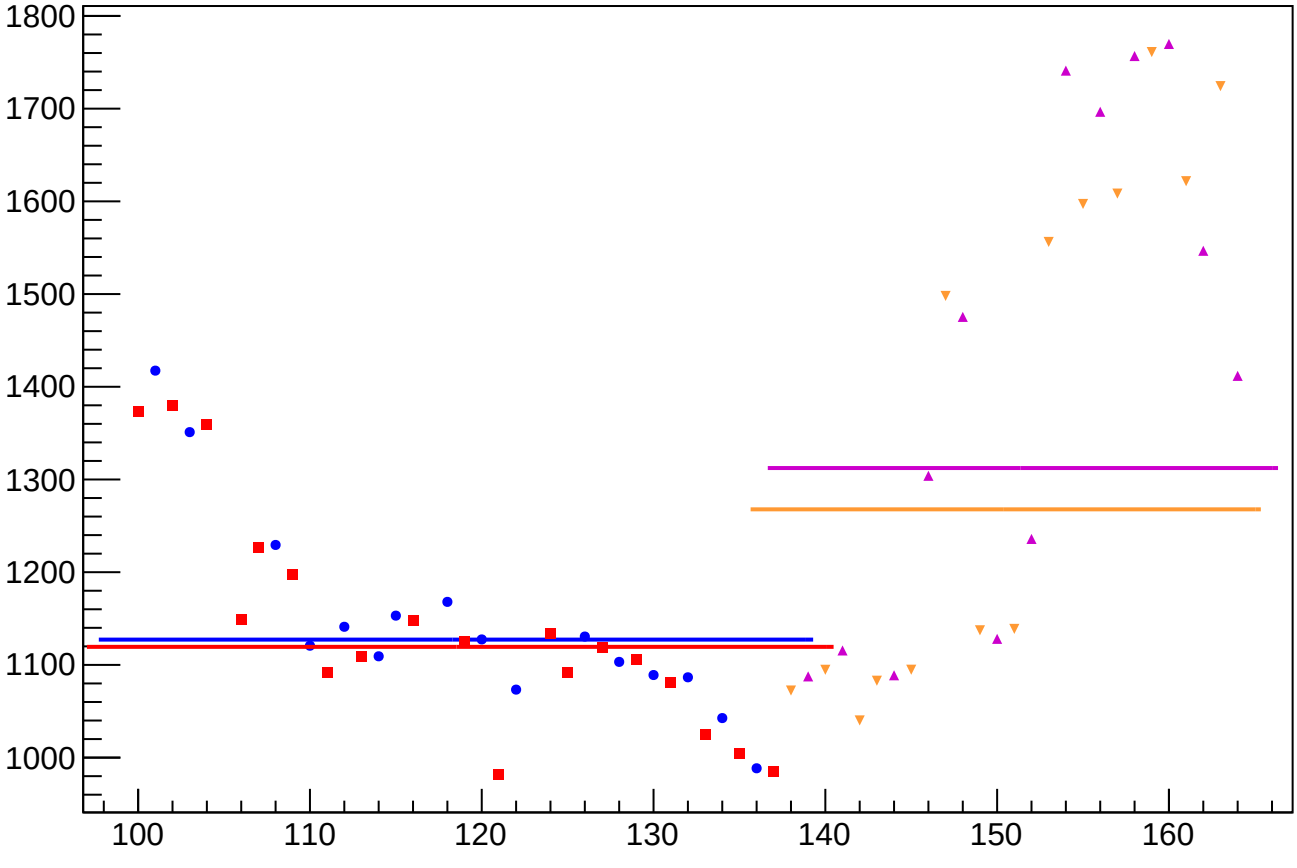
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -2.272+/-0.292 χ^2/NDF:502.0/28

Out: -1.991+/-0.282 χ^2/NDF:407.1/32

All: -2.127+/-0.203 χ^2/NDF: 909.6/61

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1267.792+/-0.274 χ^2/NDF:829356.9/13

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1312.345+/-0.287 χ^2/NDF:728070.5/12

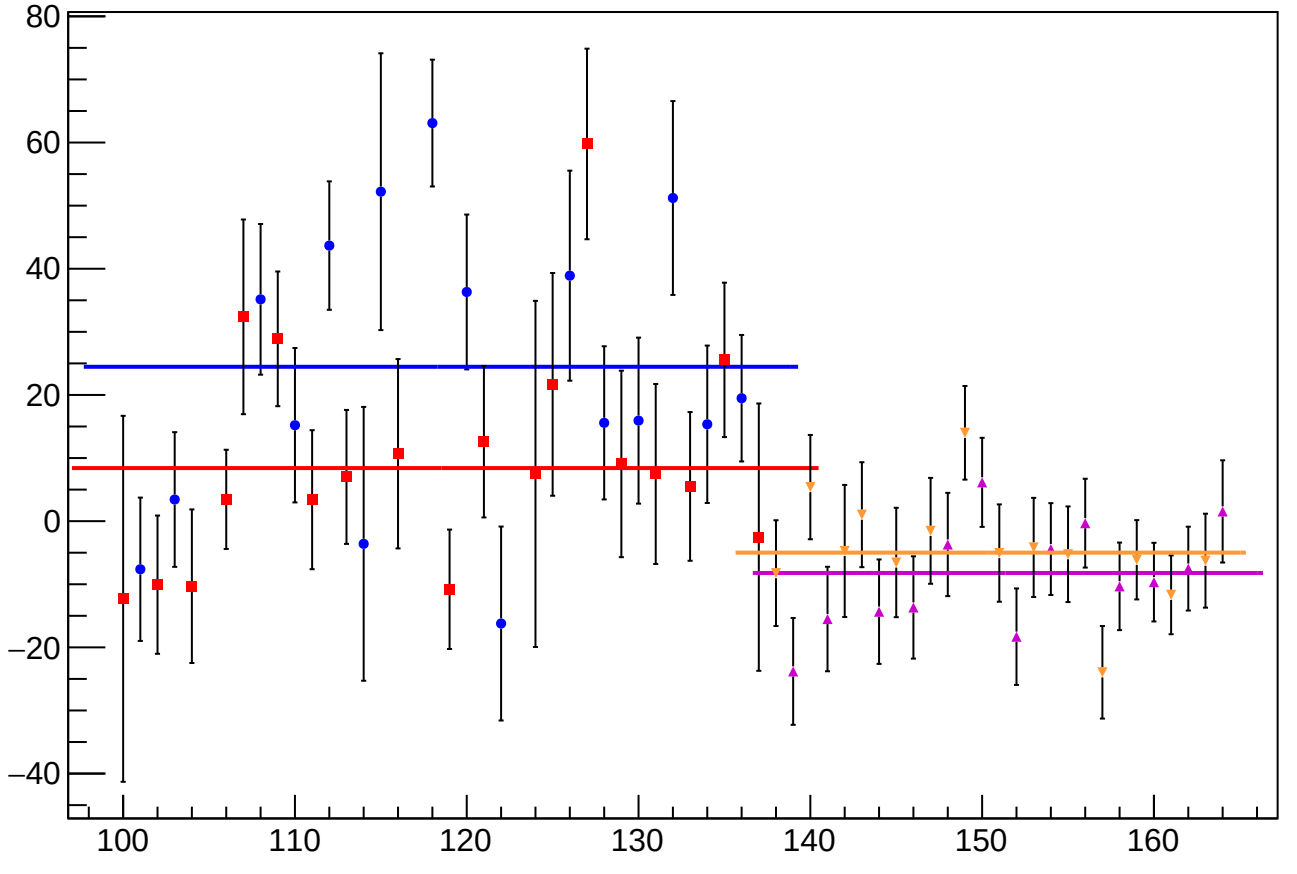
Left: 1289.093+/-0.198 χ^2/NDF: 1570026.0/26

Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1223.254+/-0.206 χ^2/NDF:1069195.5/28

Out: 1197.751+/-0.199 χ^2/NDF:1107997.6/32

All: 1210.056+/-0.143 χ^2/NDF: 2185086.5/61



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -4.987+/-2.058 χ^2/NDF:16.9/13

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -8.211+/-2.067 χ^2/NDF:14.5/12

Left: -6.591+/-1.458 χ^2/NDF: 32.6/26

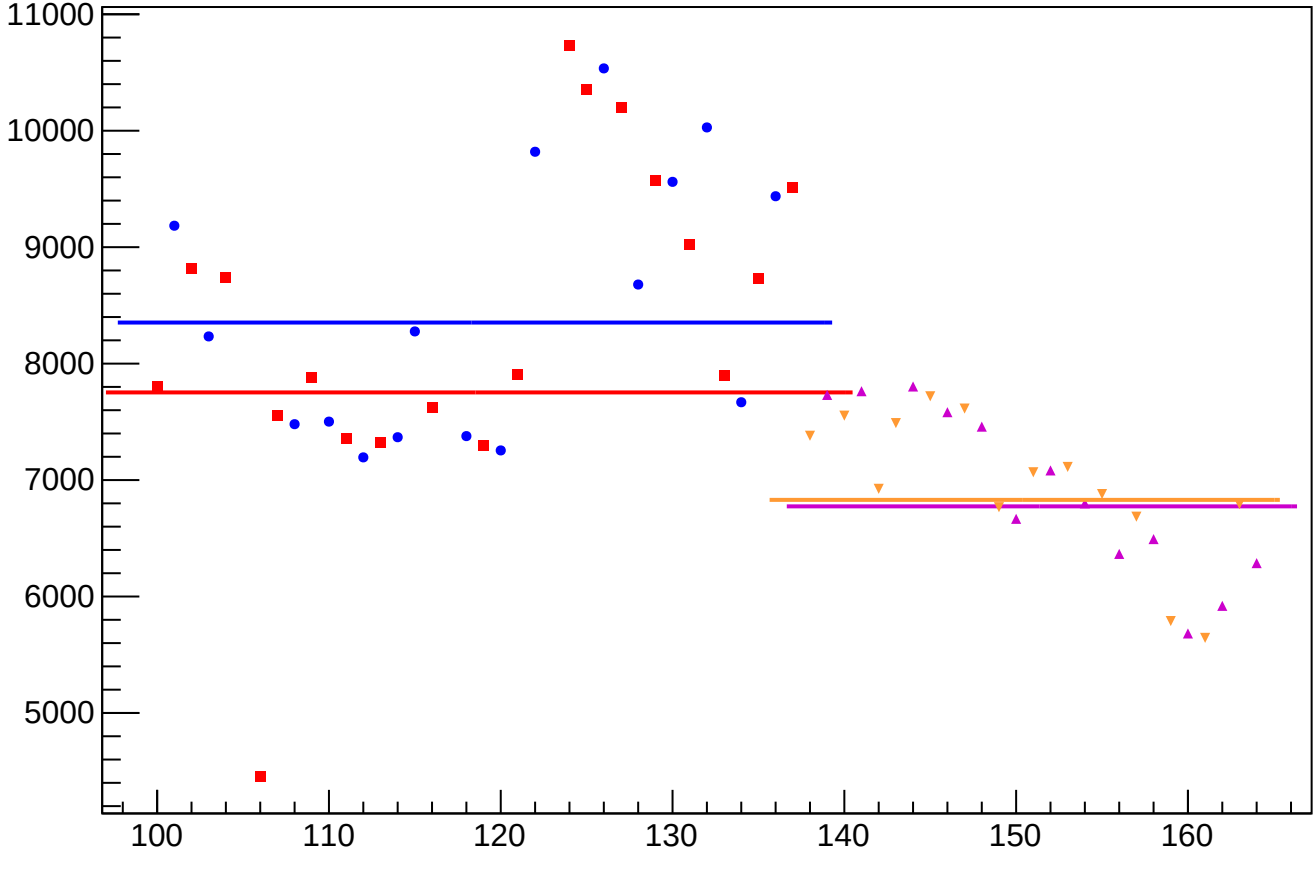
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 1.686+/-1.726 χ^2/NDF:138.5/28

Out: -0.481+/-1.676 χ^2/NDF:62.3/32

All: 0.571+/-1.203 χ^2/NDF: 201.6/61

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6829.962+/-1.455 χ^2/NDF:207613.5/13

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6774.210+/-1.462 χ^2/NDF:234372.0/12

Left: 6802.215+/-1.031 χ^2/NDF: 442716.2/26

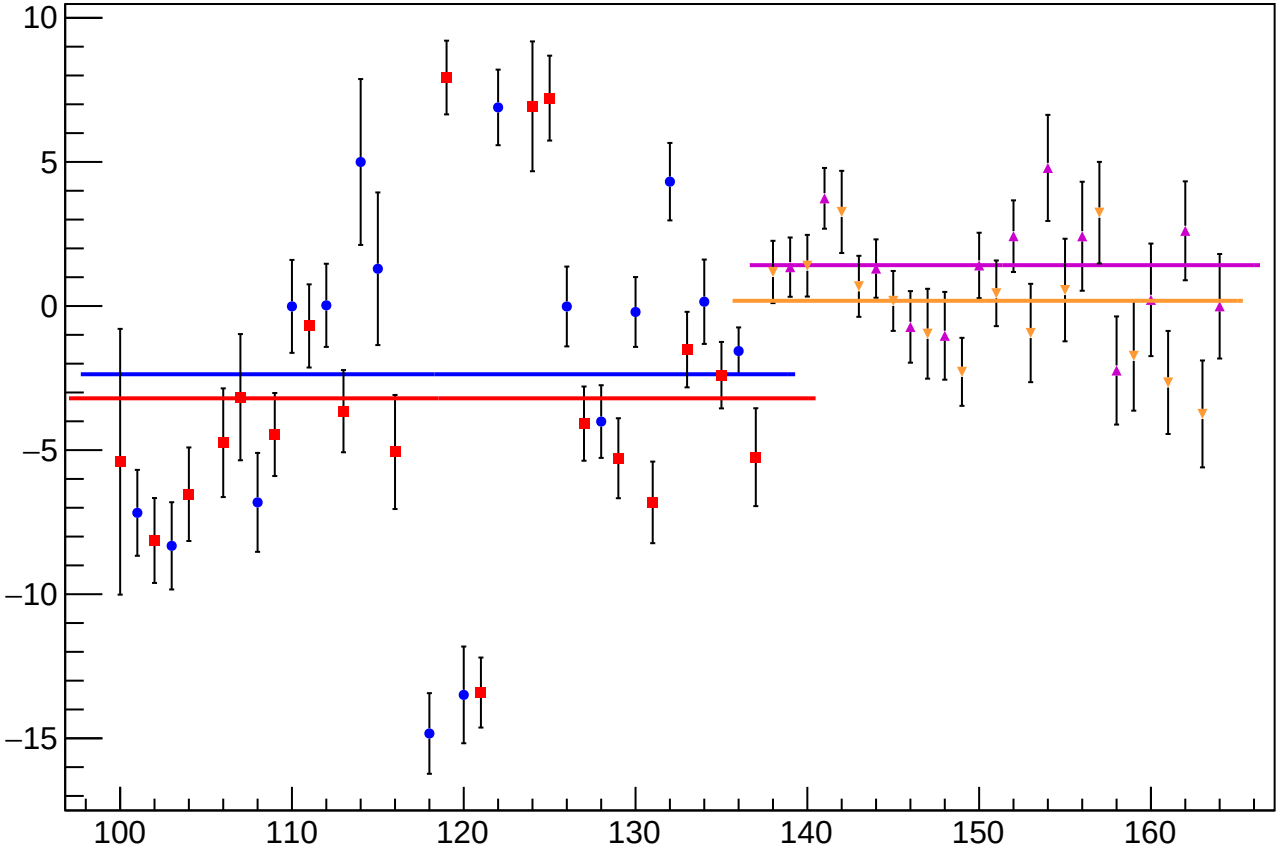
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7252.337+/-1.220 χ^2/NDF:808011.9/28

Out: 7140.236+/-1.185 χ^2/NDF:930916.9/32

All: 7194.653+/-0.850 χ^2/NDF: 1743270.0/61

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.182+/-0.358 χ^2/NDF:23.5/13

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.418+/-0.376 χ^2/NDF:20.0/12

Left: 0.770+/-0.259 χ^2/NDF: 49.2/26

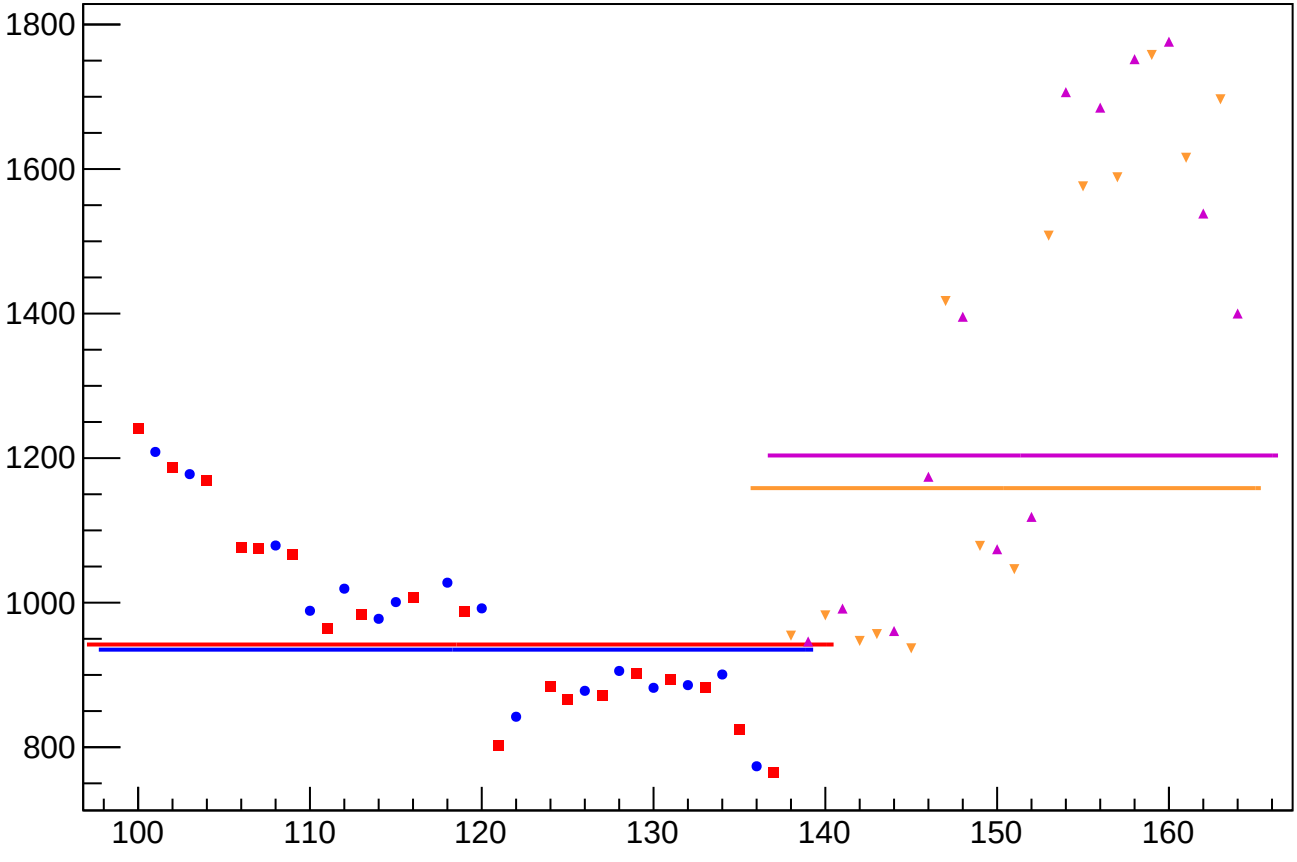
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.606+/-0.256 χ^2/NDF:329.9/28

Out: -1.567+/-0.249 χ^2/NDF:320.2/32

All: -1.100+/-0.179 χ^2/NDF: 657.3/61

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1158.487+/-0.253 χ^2/NDF:1227364.2/13

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1203.656+/-0.266 χ^2/NDF:1110266.2/12

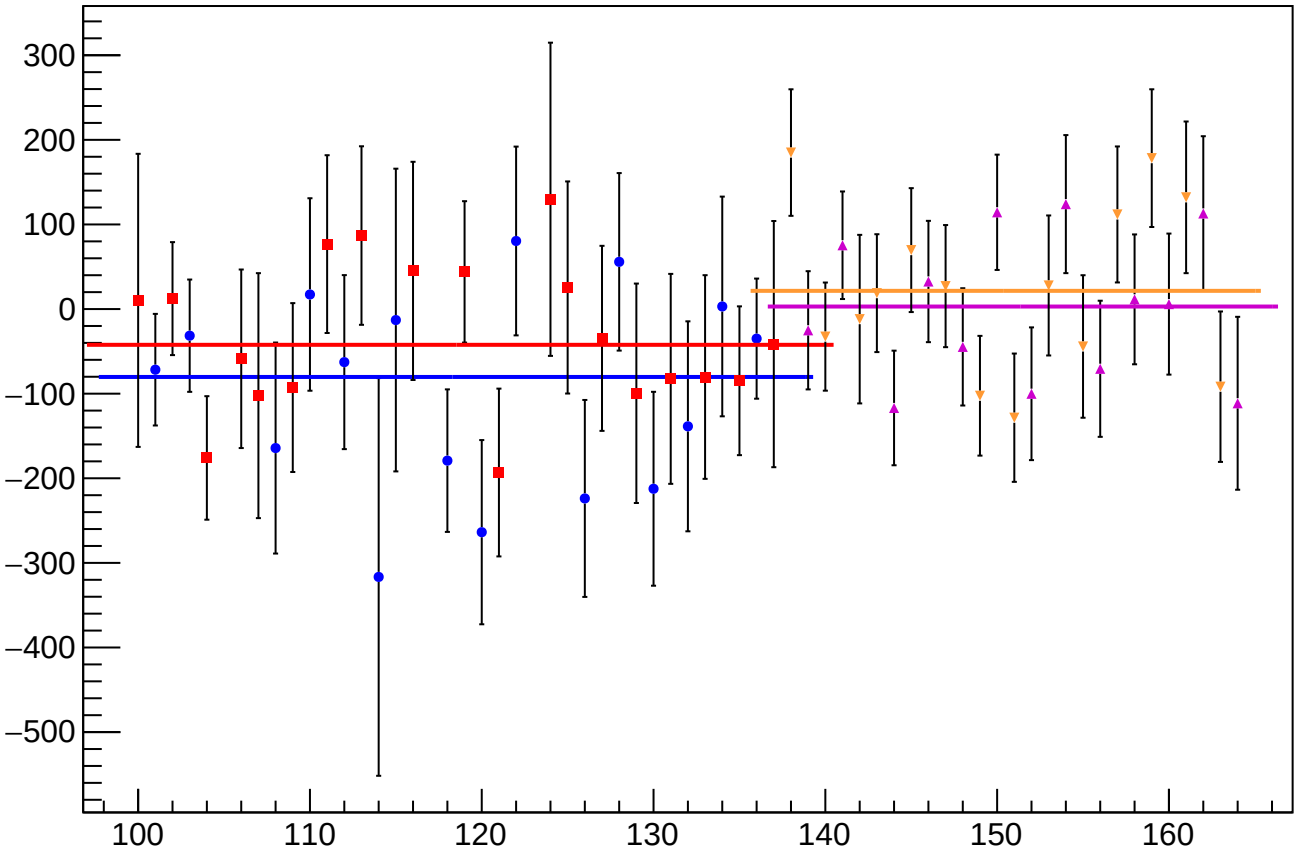
Left: 1179.992+/-0.183 χ^2/NDF: 2352781.8/26

Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1060.013+/-0.181 χ^2/NDF:1911715.5/28

Out: 1046.695+/-0.176 χ^2/NDF:1837151.8/32

All: 1053.162+/-0.126 χ^2/NDF: 3751646.4/61



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 21.531+/-20.732 χ^2/NDF:21.8/13

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 2.990+/-20.919 χ^2/NDF:15.4/12

Left: 12.344+/-14.725 χ^2/NDF: 37.5/26

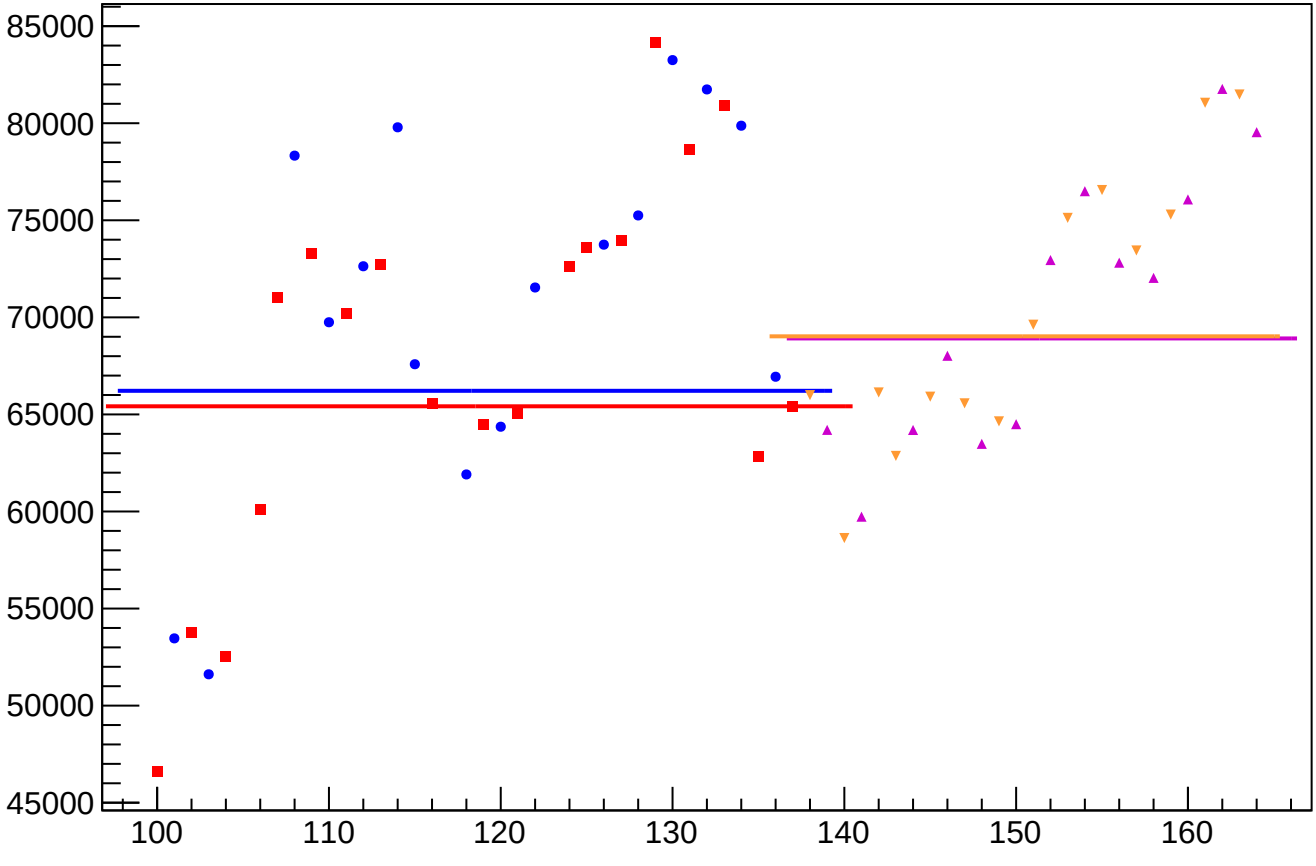
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -31.437+/-16.019 χ^2/NDF:36.7/28

Out: -5.543+/-15.729 χ^2/NDF:38.8/32

All: -18.254+/-11.223 χ^2/NDF: 76.8/61

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 69022.460+/-14.660 χ^2/NDF:209577.7/13

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 68913.988+/-14.792 χ^2/NDF:188094.8/12

Left: 68968.710+/-10.412 χ^2/NDF: 397699.6/26

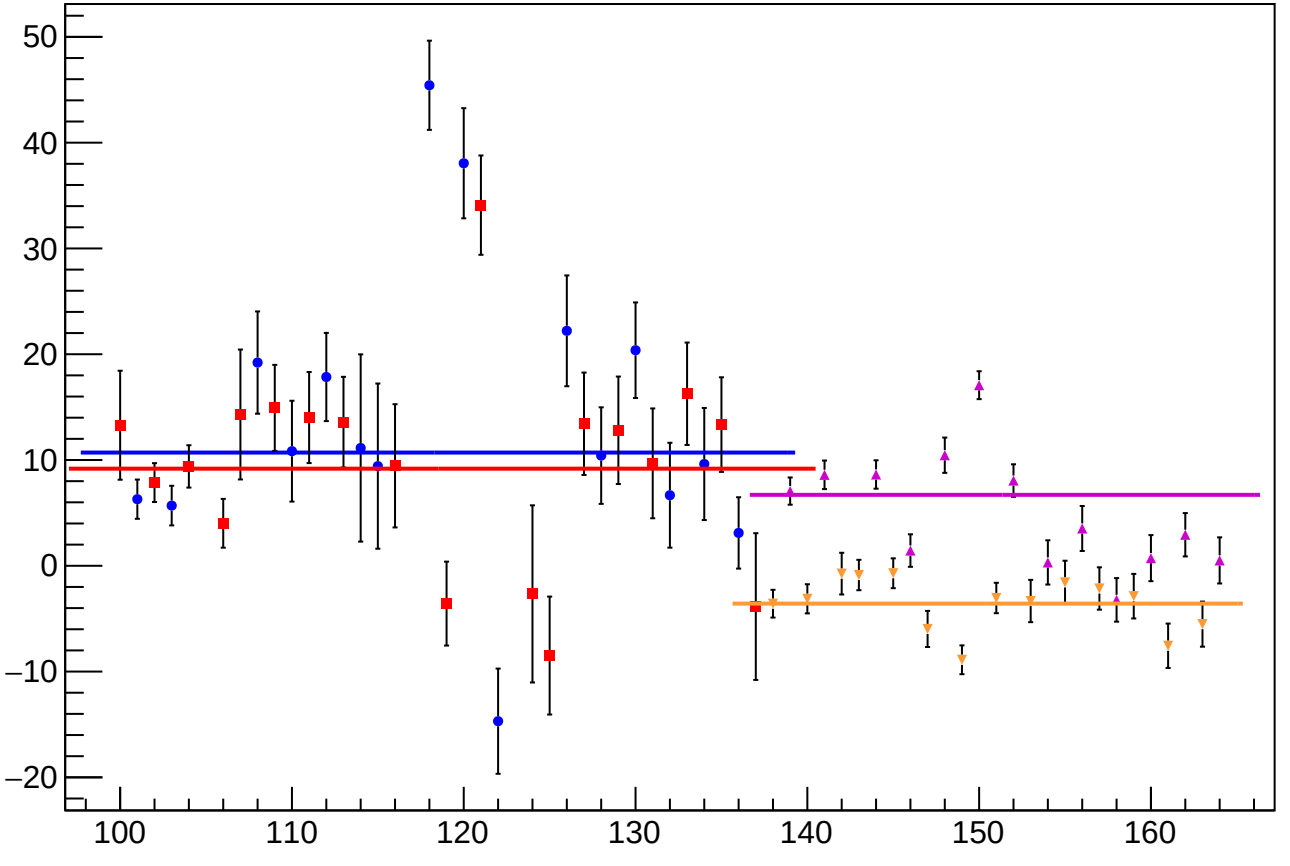
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 67798.183+/-11.327 χ^2/NDF:540230.7/28

Out: 67492.952+/-11.122 χ^2/NDF:539782.4/32

All: 67642.780+/-7.936 χ^2/NDF: 1080382.8/6

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.573+/-0.442 χ^2/NDF:33.2/13

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 6.707+/-0.455 χ^2/NDF:137.3/12

Left: 1.414+/-0.317 χ^2/NDF: 433.5/26

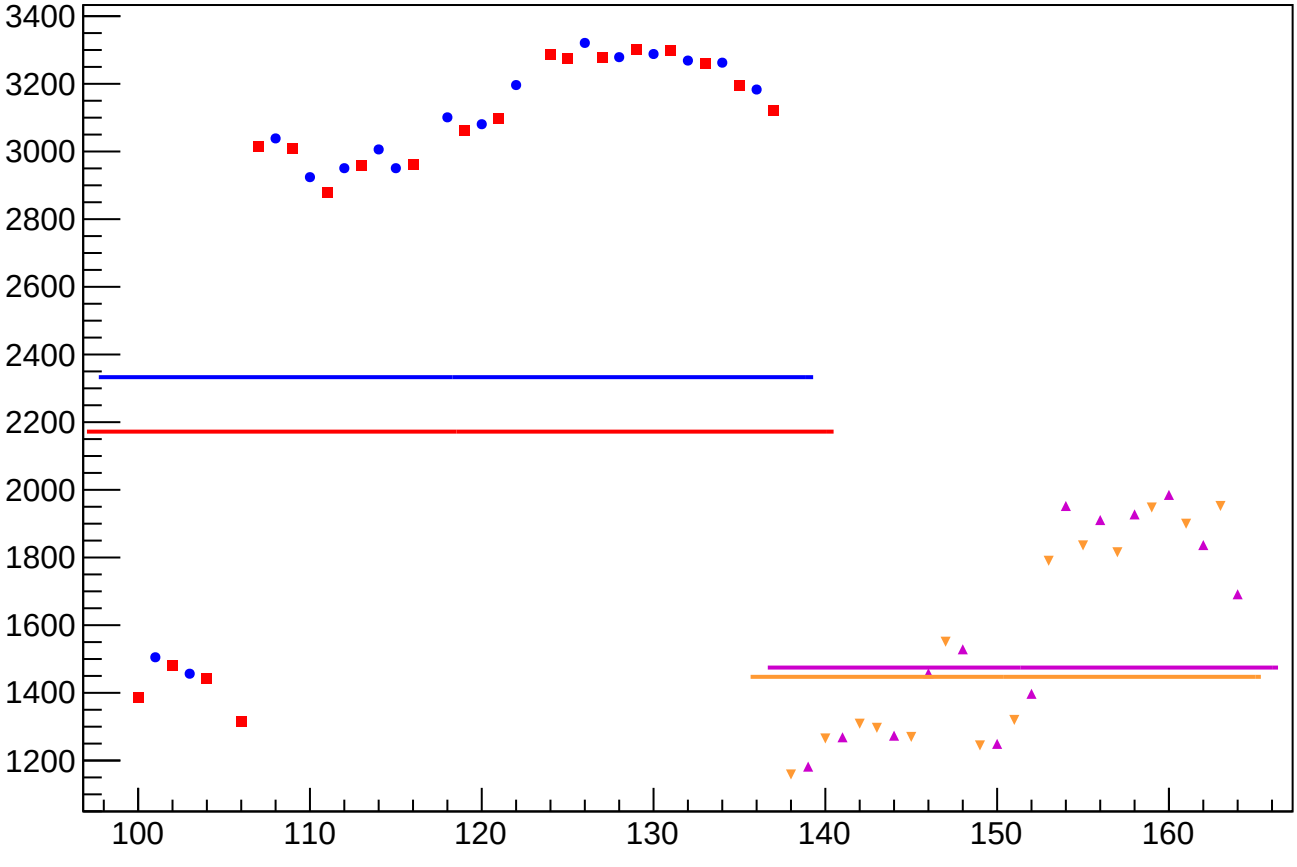
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 7.492+/-0.408 χ^2/NDF:308.0/28

Out: -0.864+/-0.392 χ^2/NDF:280.1/32

All: 3.147+/-0.283 χ^2/NDF: 806.3/61

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1447.324+/-0.312 χ^2/NDF:779259.4/13

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1474.708+/-0.322 χ^2/NDF:737761.7/12

Left: 1460.608+/-0.224 χ^2/NDF: 1520753.3/26

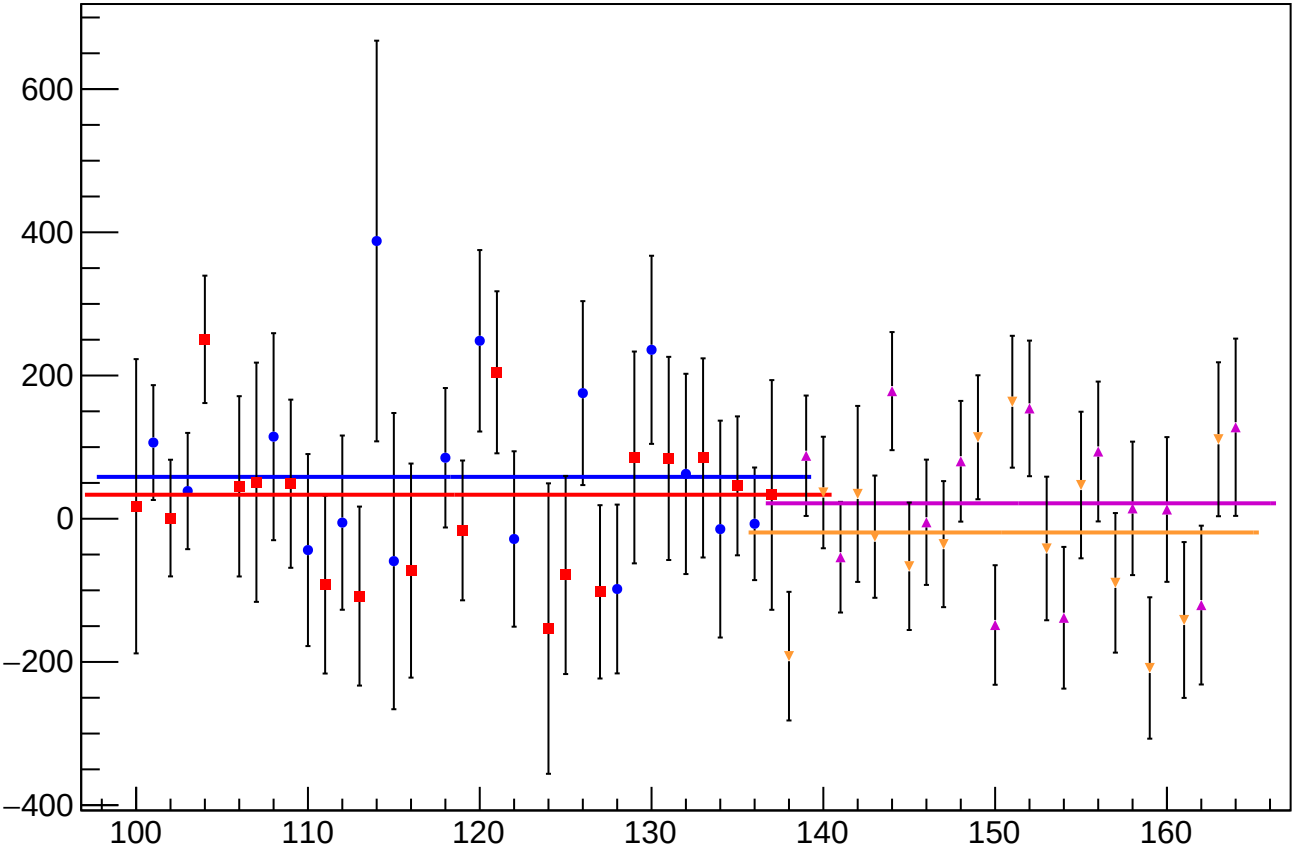
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1643.156+/-0.288 χ^2/NDF:3786647.7/28

Out: 1601.275+/-0.277 χ^2/NDF:3908131.5/32

All: 1621.378+/-0.200 χ^2/NDF: 7705747.5/61

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -19.194+/-25.215 χ^2/NDF:18.4/13

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 21.548+/-25.408 χ^2/NDF:17.4/12

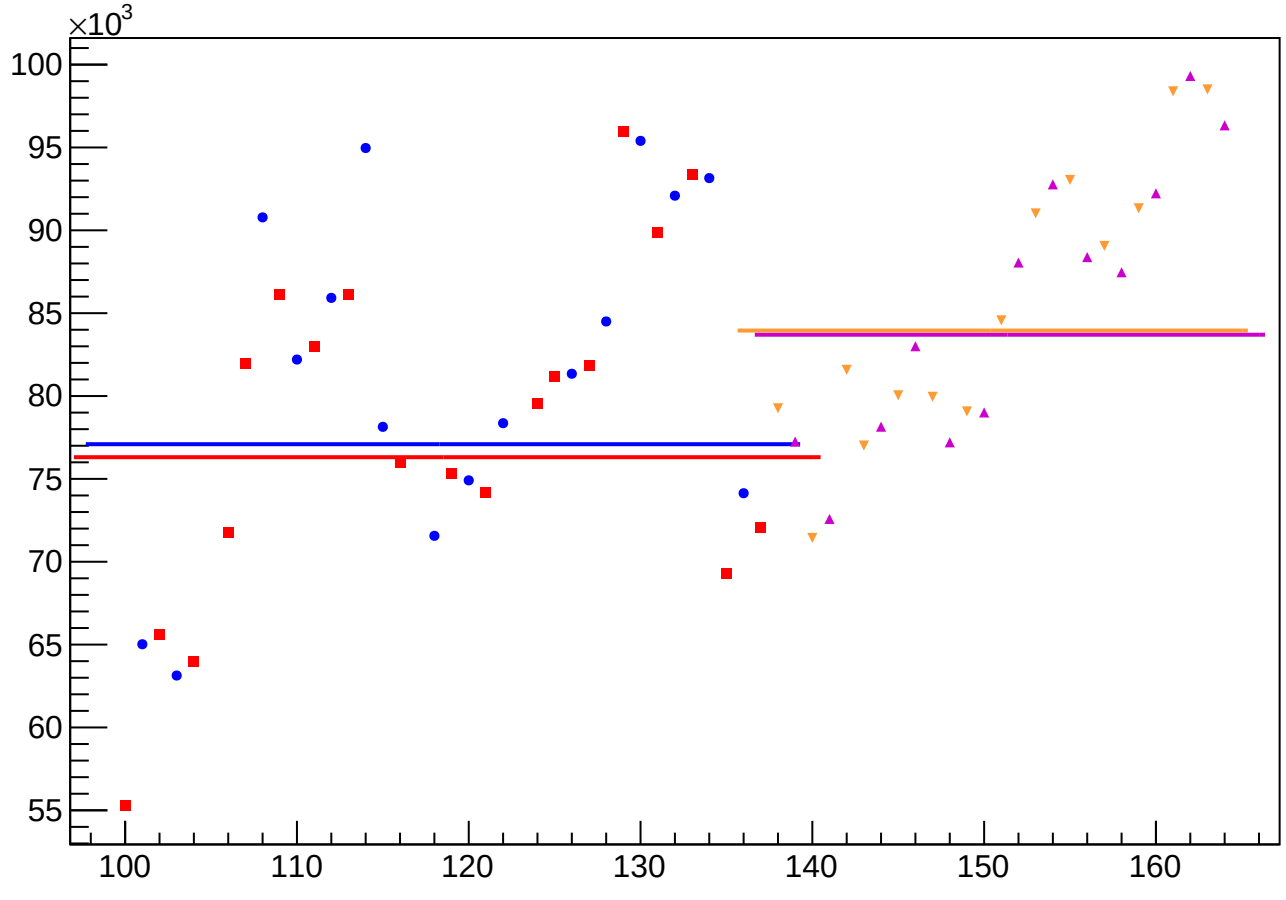
Left: 1.021+/-17.897 χ^2/NDF: 37.1/26

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 37.623+/-19.087 χ^2/NDF:29.6/28

Out: 4.314+/-18.769 χ^2/NDF:35.0/32

All: 20.688+/-13.383 χ^2/NDF: 66.2/61



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 83951.834+/-17.829 χ^2/NDF:199714.8/13

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 83700.114+/-17.966 χ^2/NDF:184186.2/12

Left: 83826.936+/-12.655 χ^2/NDF: 383999.9/26

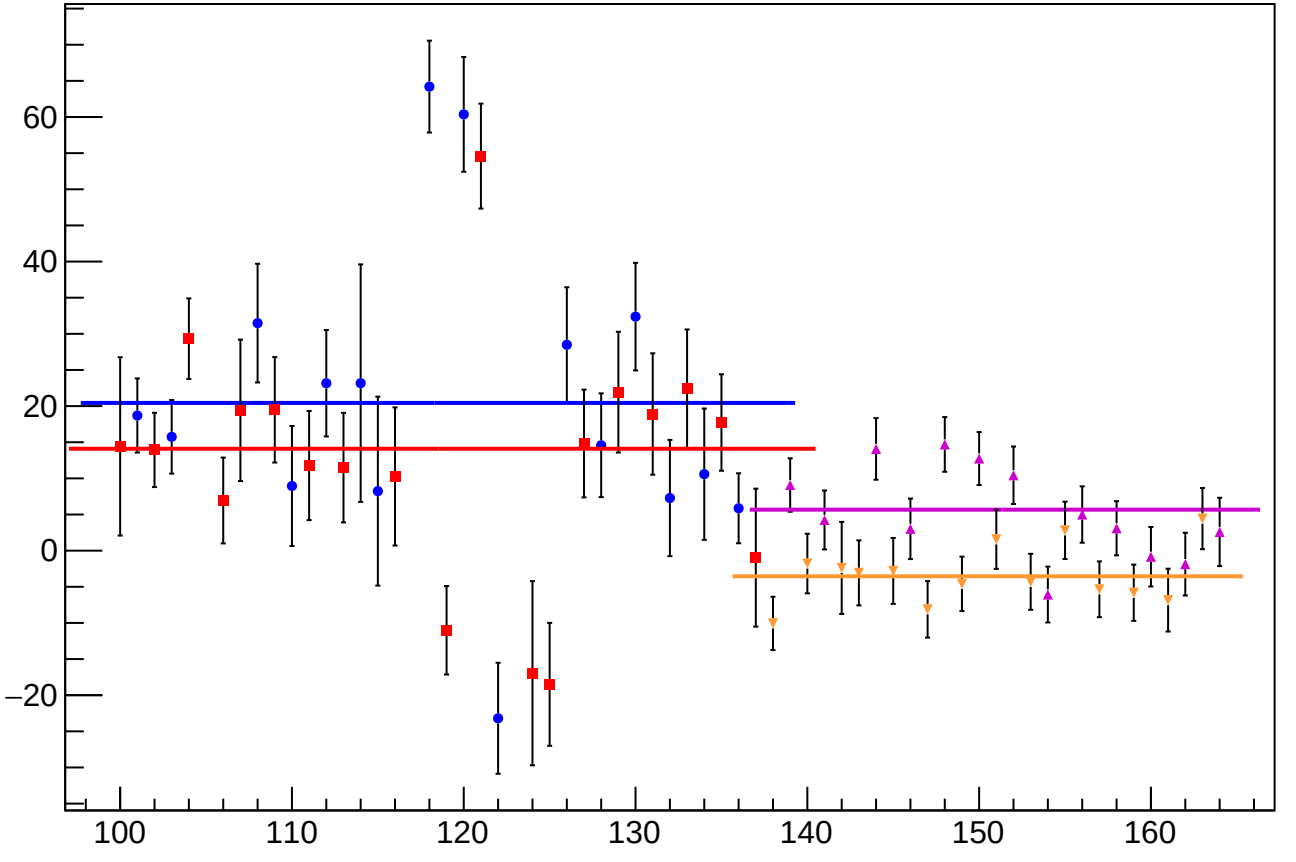
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 80821.666+/-13.497 χ^2/NDF:491647.0/28

Out: 80543.452+/-13.271 χ^2/NDF:516096.8/32

All: 80680.218+/-9.463 χ^2/NDF: 1007959.8/6

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.549+/-1.103 χ^2/NDF:13.7/13

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 5.672+/-1.109 χ^2/NDF:31.8/12

Left: 1.037+/-0.782 χ^2/NDF: 80.2/26

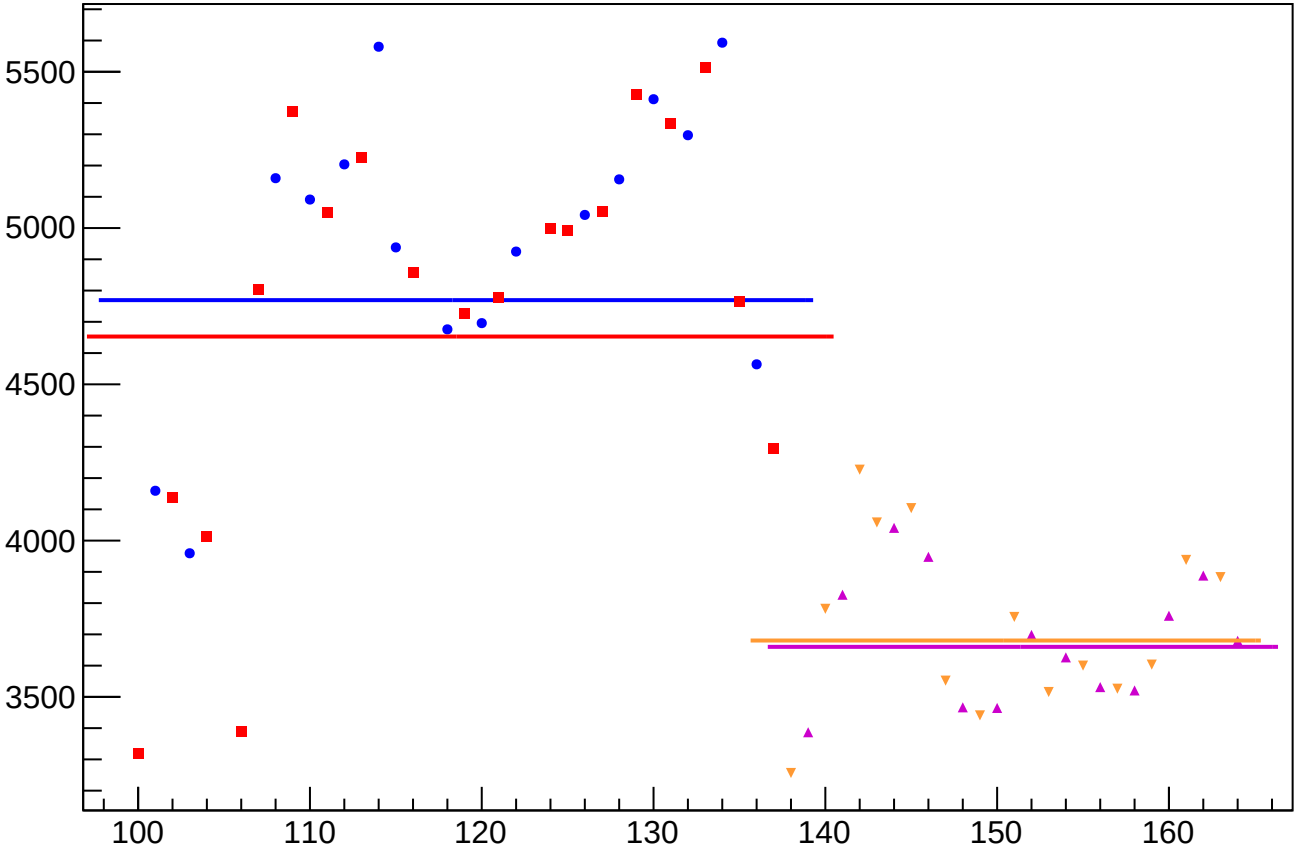
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 9.793+/-0.941 χ^2/NDF:209.1/28

Out: 1.621+/-0.927 χ^2/NDF:172.5/32

All: 5.646+/-0.661 χ^2/NDF: 419.9/61

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3680.358+/-0.780 χ^2/NDF:104645.7/13

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3660.077+/-0.784 χ^2/NDF:62625.5/12

Left: 3670.270+/-0.553 χ^2/NDF: 167607.6/26

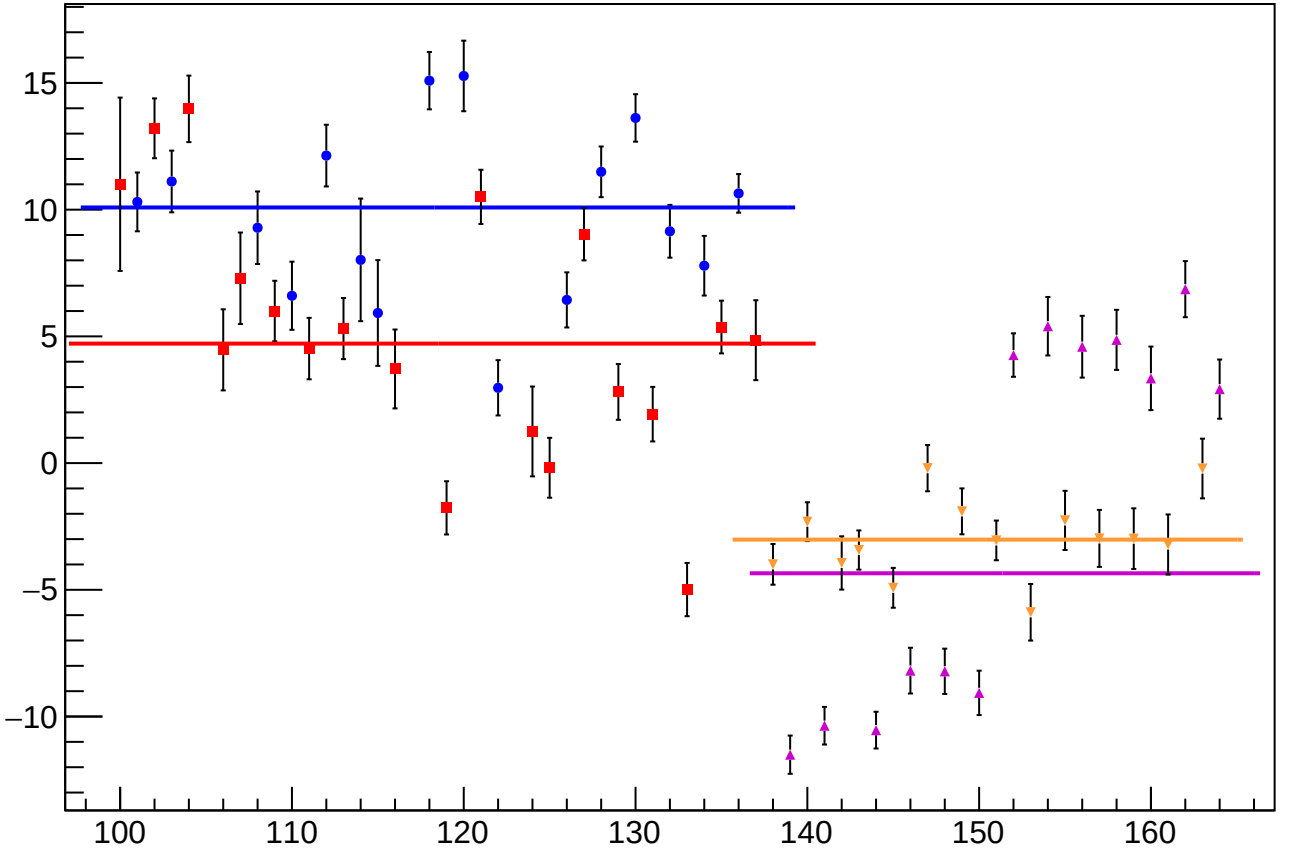
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 3969.609+/-0.666 χ^2/NDF:773088.6/28

Out: 3965.201+/-0.656 χ^2/NDF:825332.3/32

All: 3967.372+/-0.467 χ^2/NDF: 1598443.2/61

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.019+/-0.250 χ^2/NDF:33.0/13

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -4.348+/-0.259 χ^2/NDF:759.5/12

Left: -3.662+/-0.180 χ^2/NDF: 806.2/26

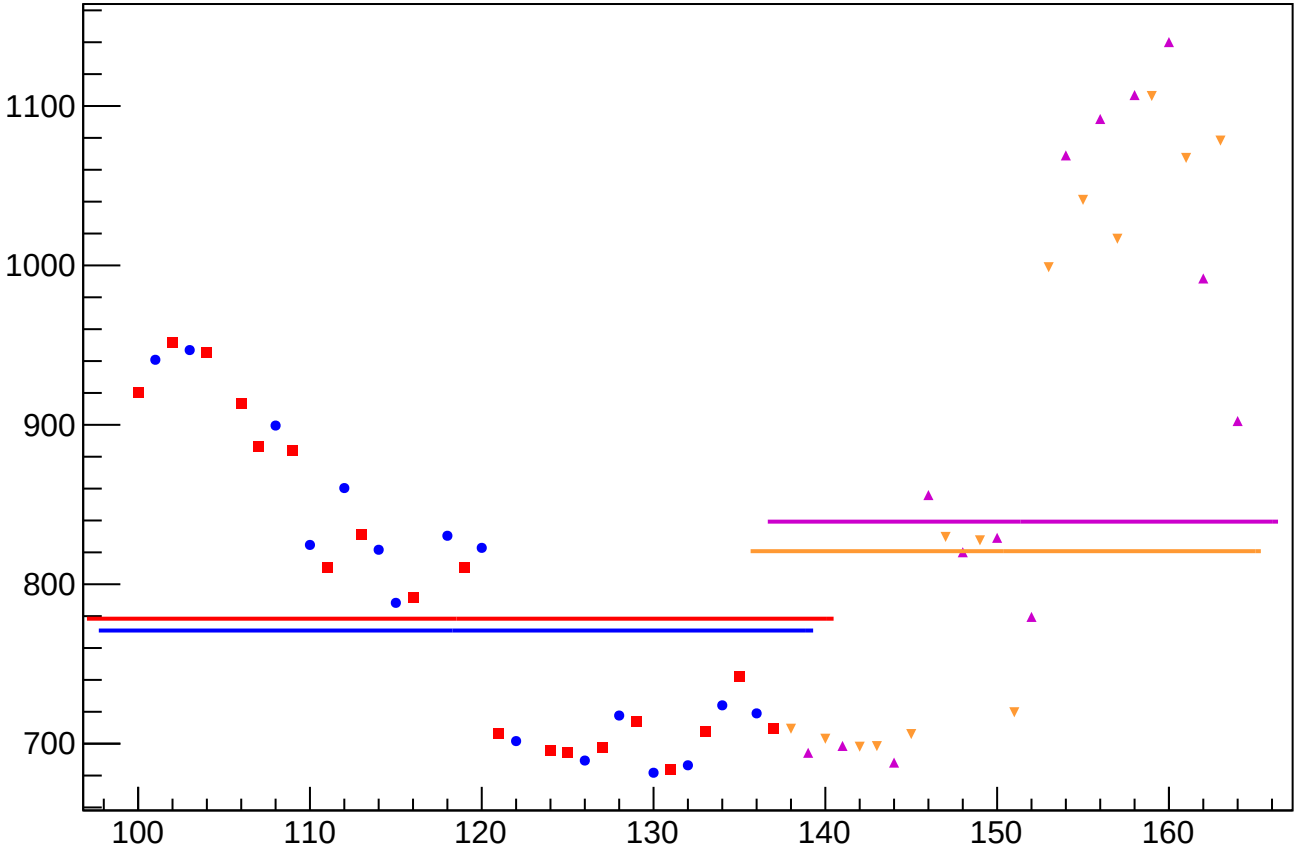
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.090+/-0.193 χ^2/NDF:2271.3/28

Out: 0.338+/-0.188 χ^2/NDF:757.8/32

All: 1.195+/-0.135 χ^2/NDF: 3071.4/61

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 820.744+/-0.177 χ^2/NDF:718123.5/13

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 839.275+/-0.183 χ^2/NDF:670144.5/12

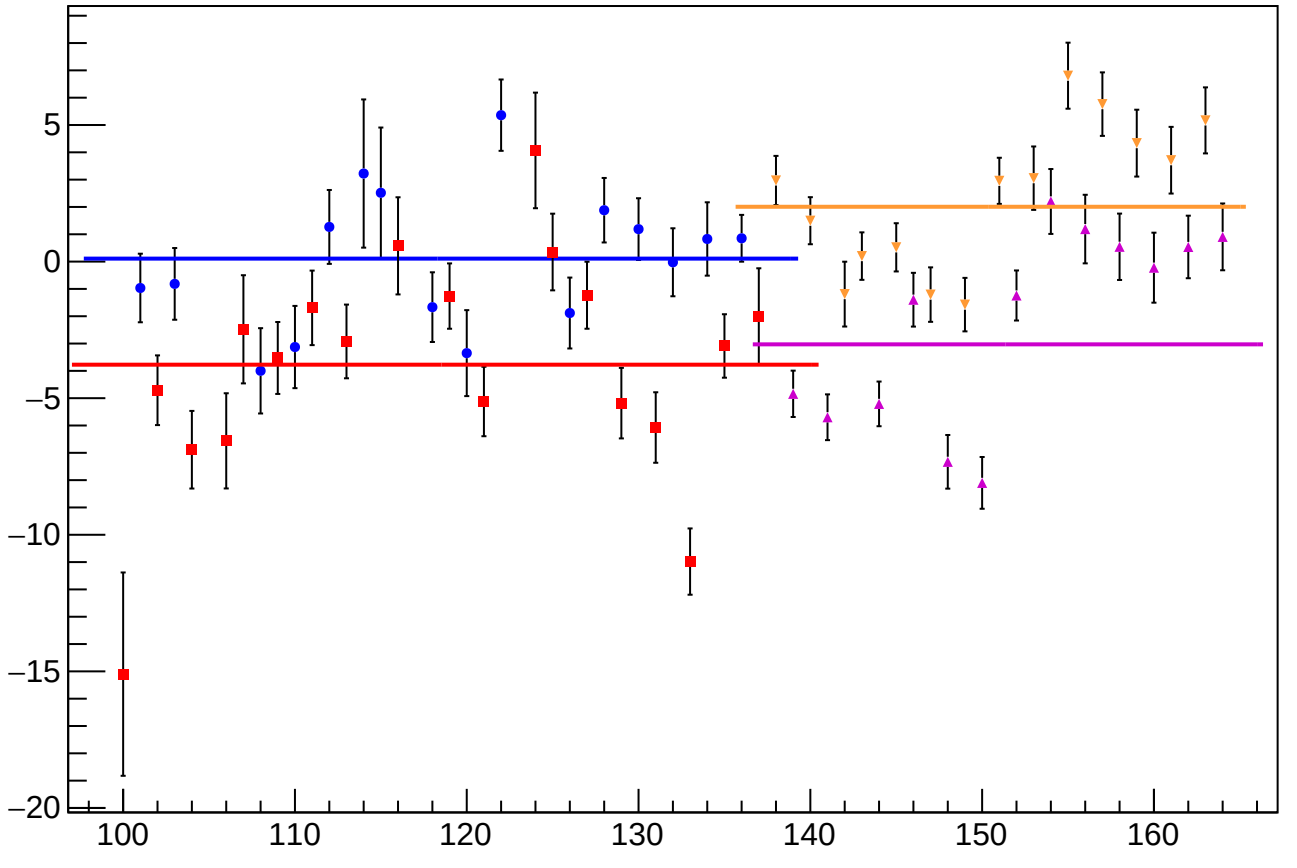
Left: 829.702+/-0.127 χ^2/NDF: 1393566.6/26

Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 808.810+/-0.136 χ^2/NDF:925209.2/28

Out: 802.358+/-0.133 χ^2/NDF:939523.7/32

All: 805.511+/-0.095 χ^2/NDF: 1865880.7/61



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 2.007+/-0.272 χ^2/NDF:80.4/13

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -3.029+/-0.280 χ^2/NDF:140.4/12

Left: -0.435+/-0.195 χ^2/NDF: 387.3/26

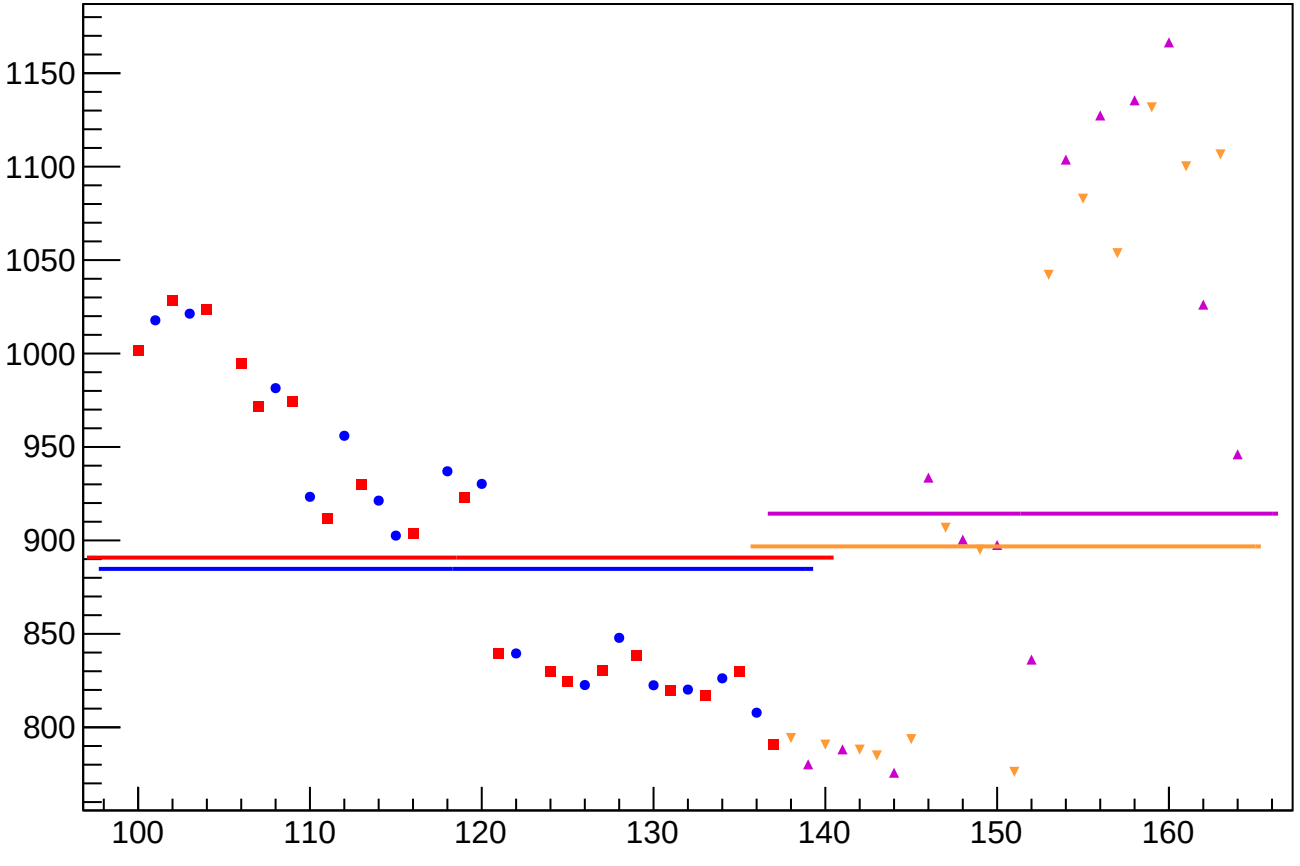
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.715+/-0.214 χ^2/NDF:238.3/28

Out: -0.362+/-0.209 χ^2/NDF:365.5/32

All: -1.023+/-0.149 χ^2/NDF: 624.3/61

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 896.801+/-0.192 χ^2/NDF:479169.1/13

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 914.327+/-0.198 χ^2/NDF:441851.2/12

Left: 905.299+/-0.138 χ^2/NDF: 925054.6/26

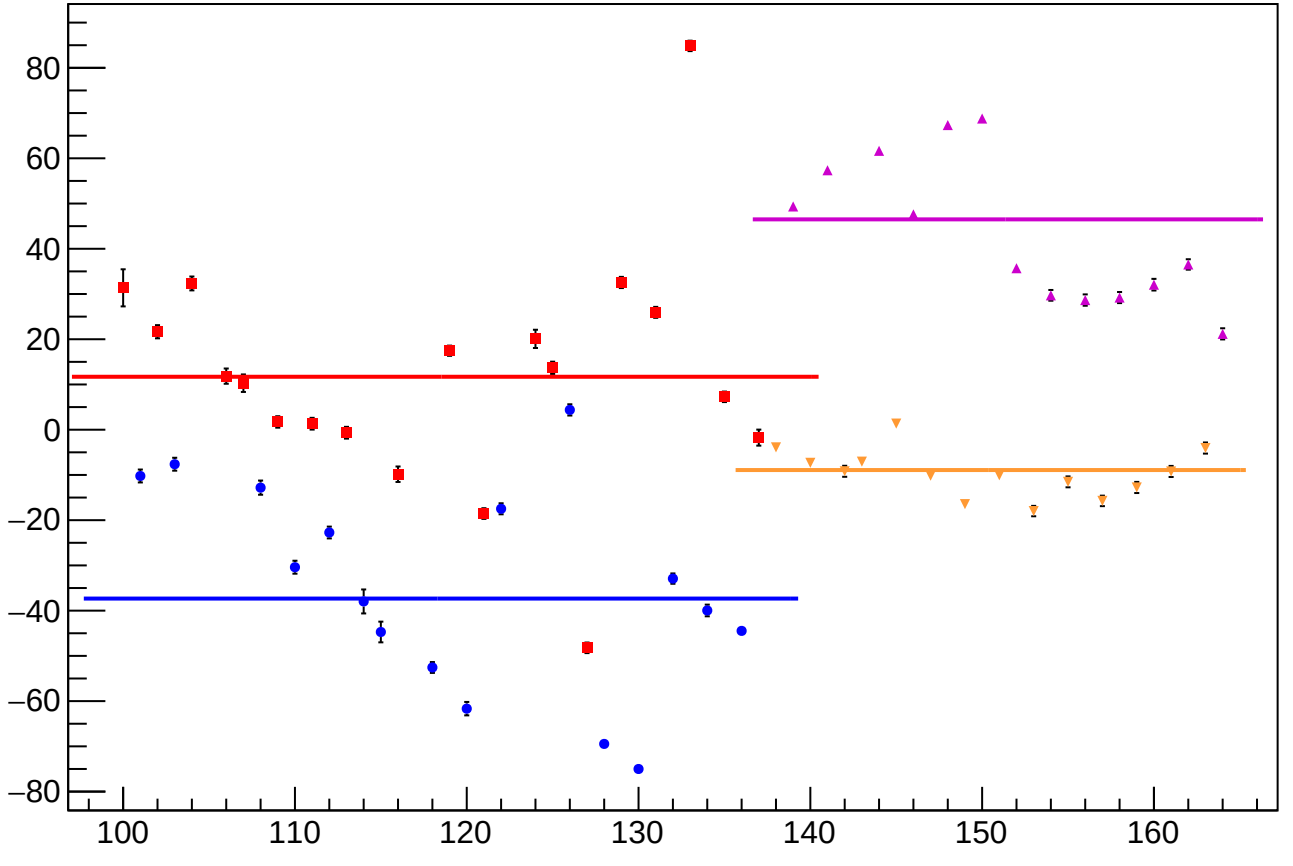
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 901.948+/-0.151 χ^2/NDF:555673.0/28

Out: 894.348+/-0.148 χ^2/NDF:587330.4/32

All: 898.062+/-0.106 χ^2/NDF: 1144299.2/61

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -8.918+/-0.276 χ^2/NDF:348.5/13

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 46.499+/-0.286 χ^2/NDF:2722.9/12

Left: 17.803+/-0.199 χ^2/NDF: 22520.1/26

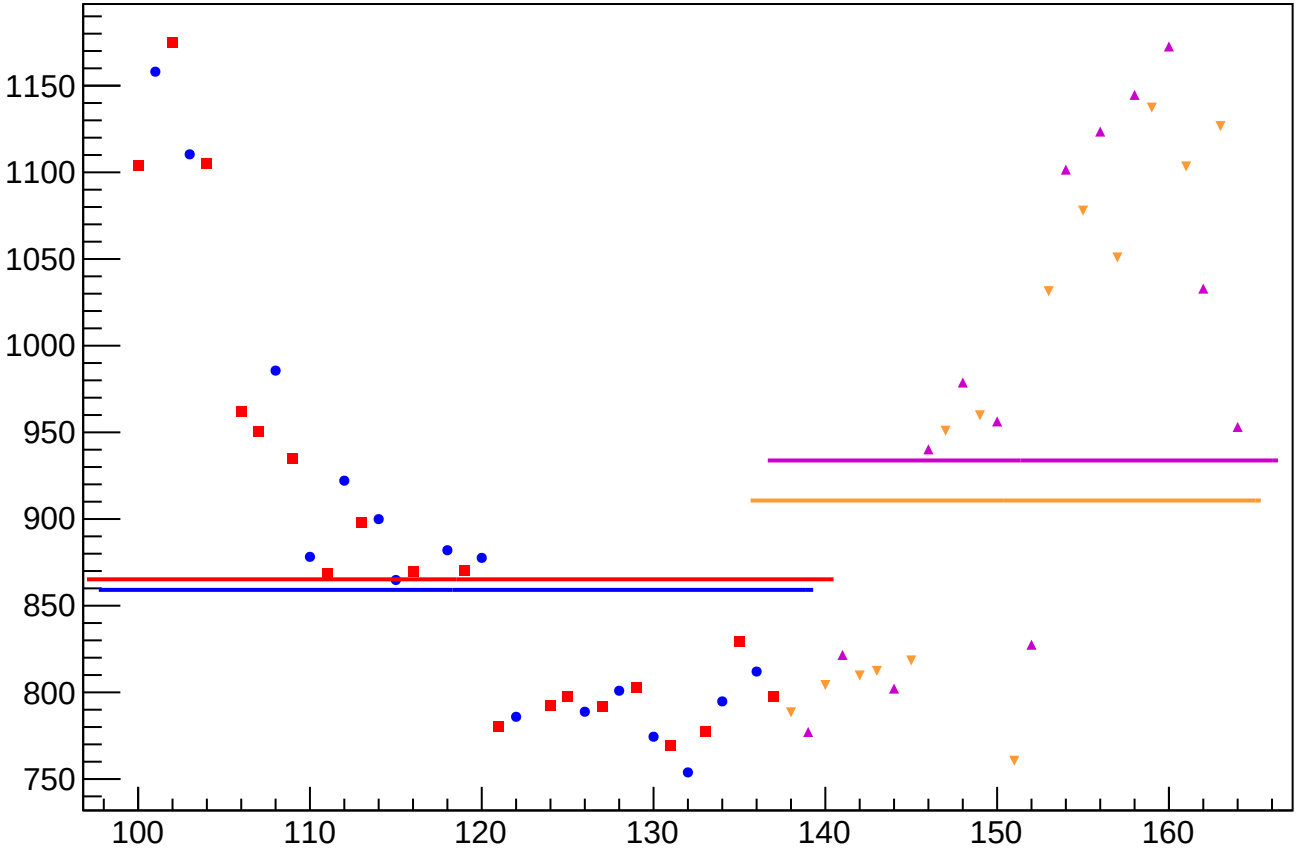
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.504+/-0.214 χ^2/NDF:45835.9/28

Out: -0.057+/-0.208 χ^2/NDF:11212.5/32

All: 4.603+/-0.149 χ^2/NDF: 58074.1/61

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 910.685+/-0.195 χ^2/NDF:467199.0/13

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 933.783+/-0.202 χ^2/NDF:411411.3/12

Left: 921.822+/-0.140 χ^2/NDF: 885367.5/26

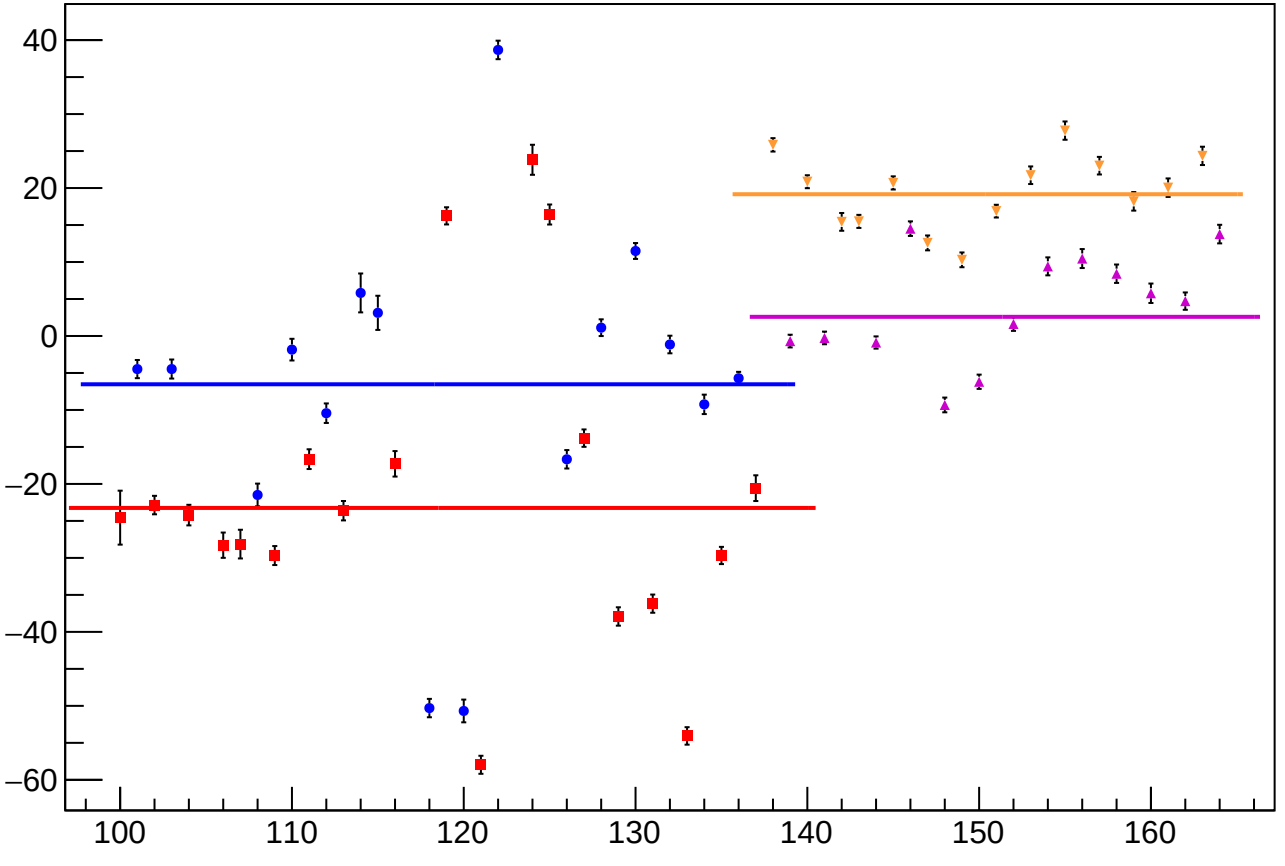
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 900.835+/-0.151 χ^2/NDF:700285.6/28

Out: 891.147+/-0.147 χ^2/NDF:714204.5/32

All: 895.869+/-0.106 χ^2/NDF: 1416596.6/61

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 19.163+/-0.276 χ^2/NDF:298.5/13

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 2.590+/-0.285 χ^2/NDF:595.4/12

Left: 11.134+/-0.199 χ^2/NDF: 2634.8/26

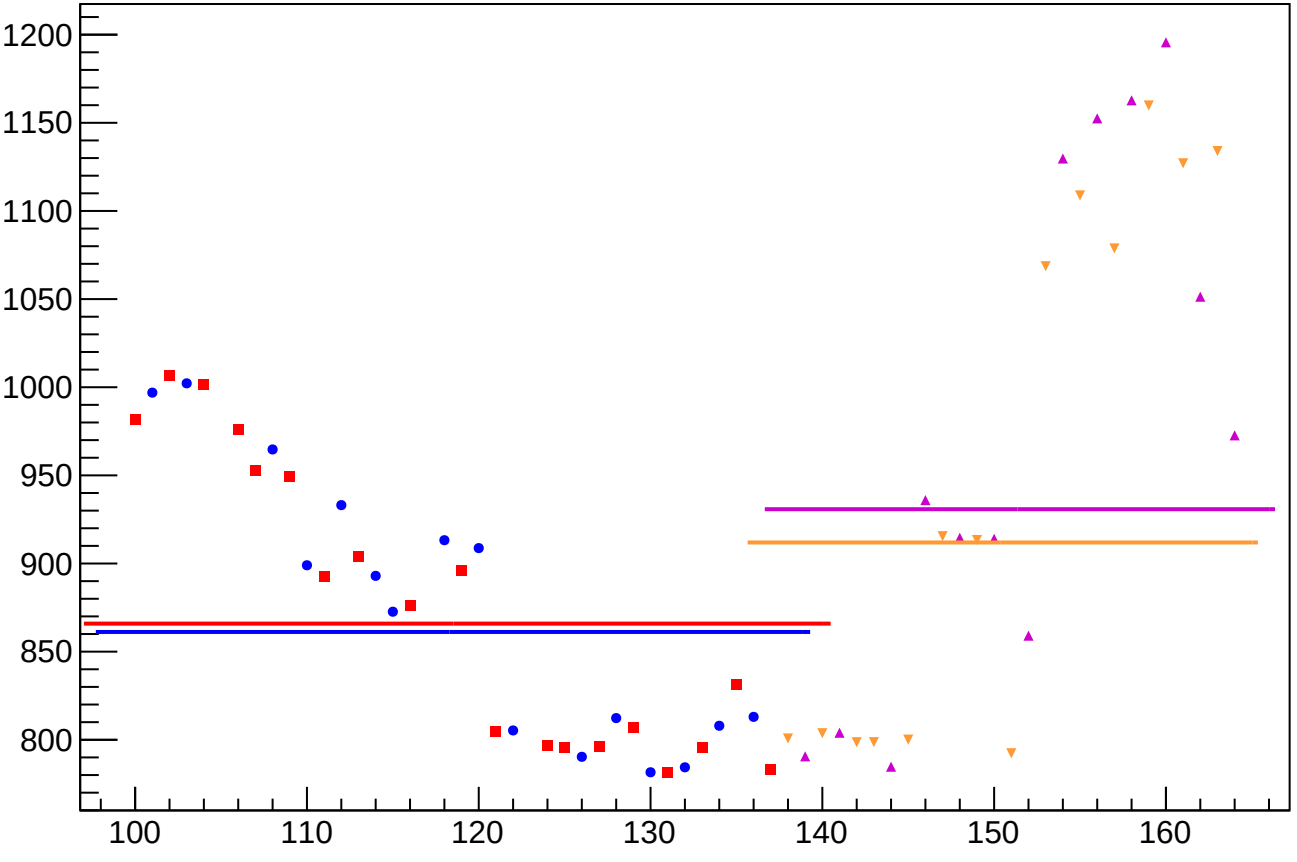
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -1.430+/-0.213 χ^2/NDF:4992.1/28

Out: 0.844+/-0.208 χ^2/NDF:14932.3/32

All: -0.267+/-0.149 χ^2/NDF: 19982.6/61

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 911.942+/-0.195 χ^2/NDF:507642.5/13

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 930.817+/-0.202 χ^2/NDF:460066.0/12

Left: 921.086+/-0.140 χ^2/NDF: 972224.4/26

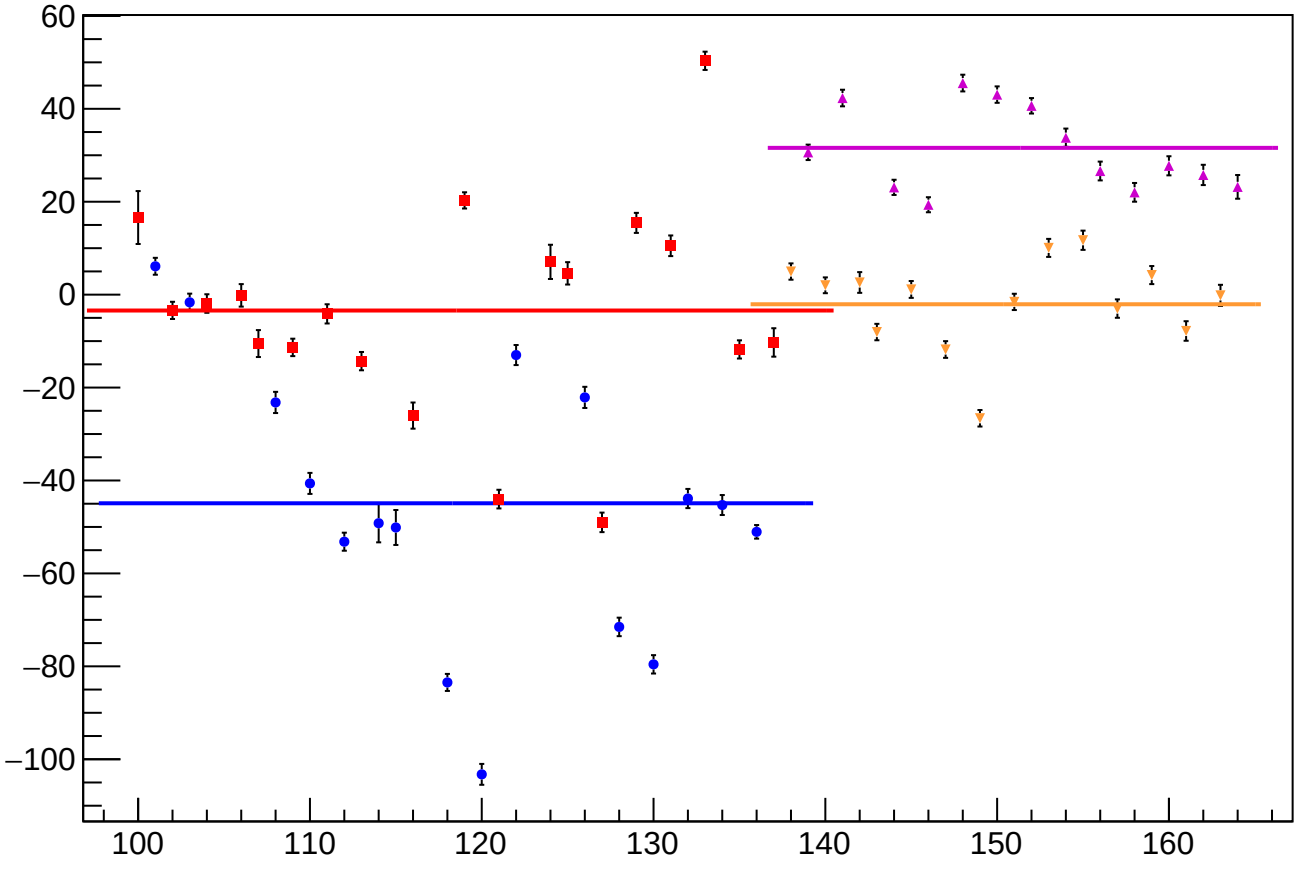
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 900.111+/-0.151 χ^2/NDF:626176.0/28

Out: 892.056+/-0.147 χ^2/NDF:650015.6/32

All: 895.990+/-0.105 χ^2/NDF: 1277651.3/61

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.068+/-0.507 χ^2/NDF:363.0/13

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 31.593+/-0.515 χ^2/NDF:303.5/12

Left: 14.513+/-0.361 χ^2/NDF: 2834.8/26

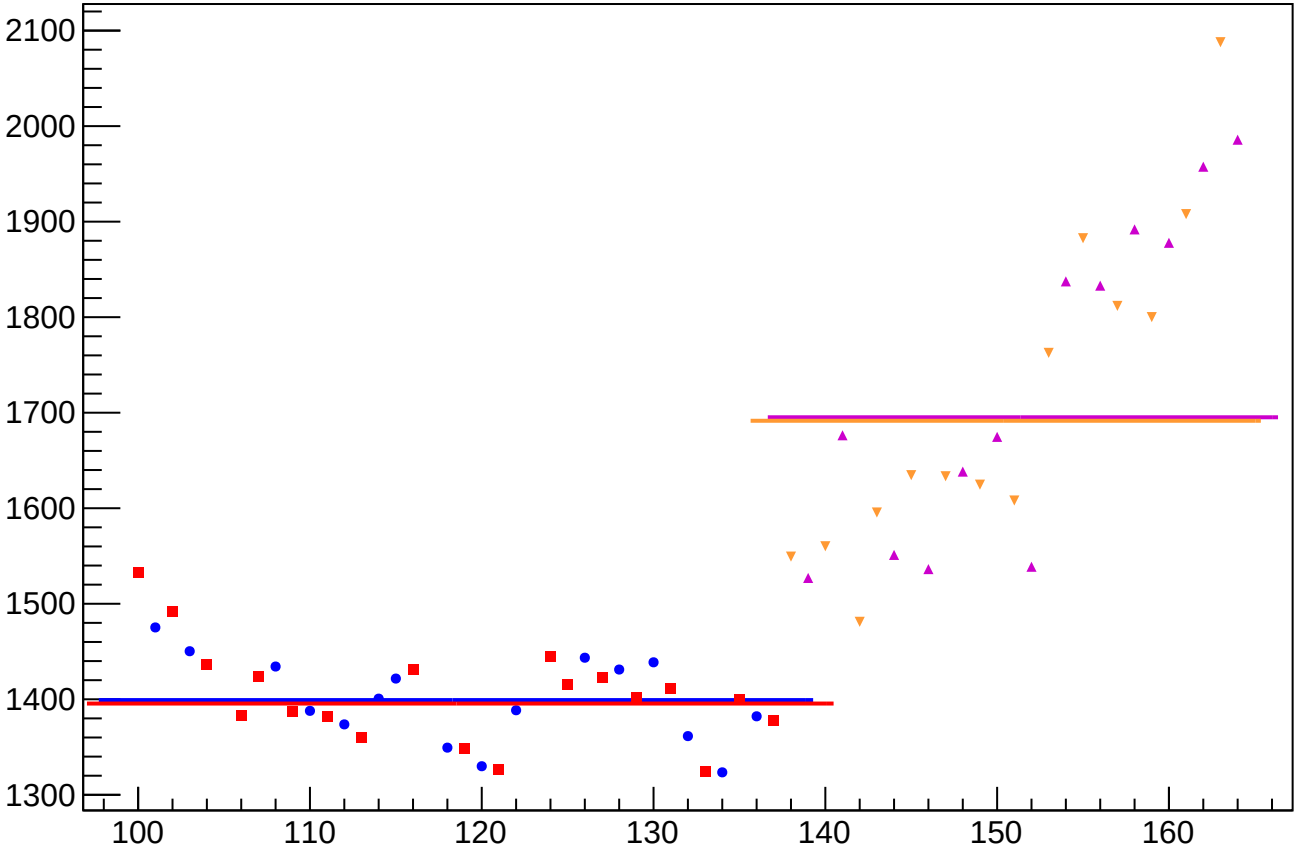
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -6.290+/-0.366 χ^2/NDF:14609.7/28

Out: -2.740+/-0.359 χ^2/NDF:2468.7/32

All: -4.483+/-0.256 χ^2/NDF: 17126.3/61

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1691.564+/-0.359 χ^2/NDF:175371.5/13

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1695.214+/-0.364 χ^2/NDF:184885.1/12

Left: 1693.362+/-0.256 χ^2/NDF: 360307.6/26

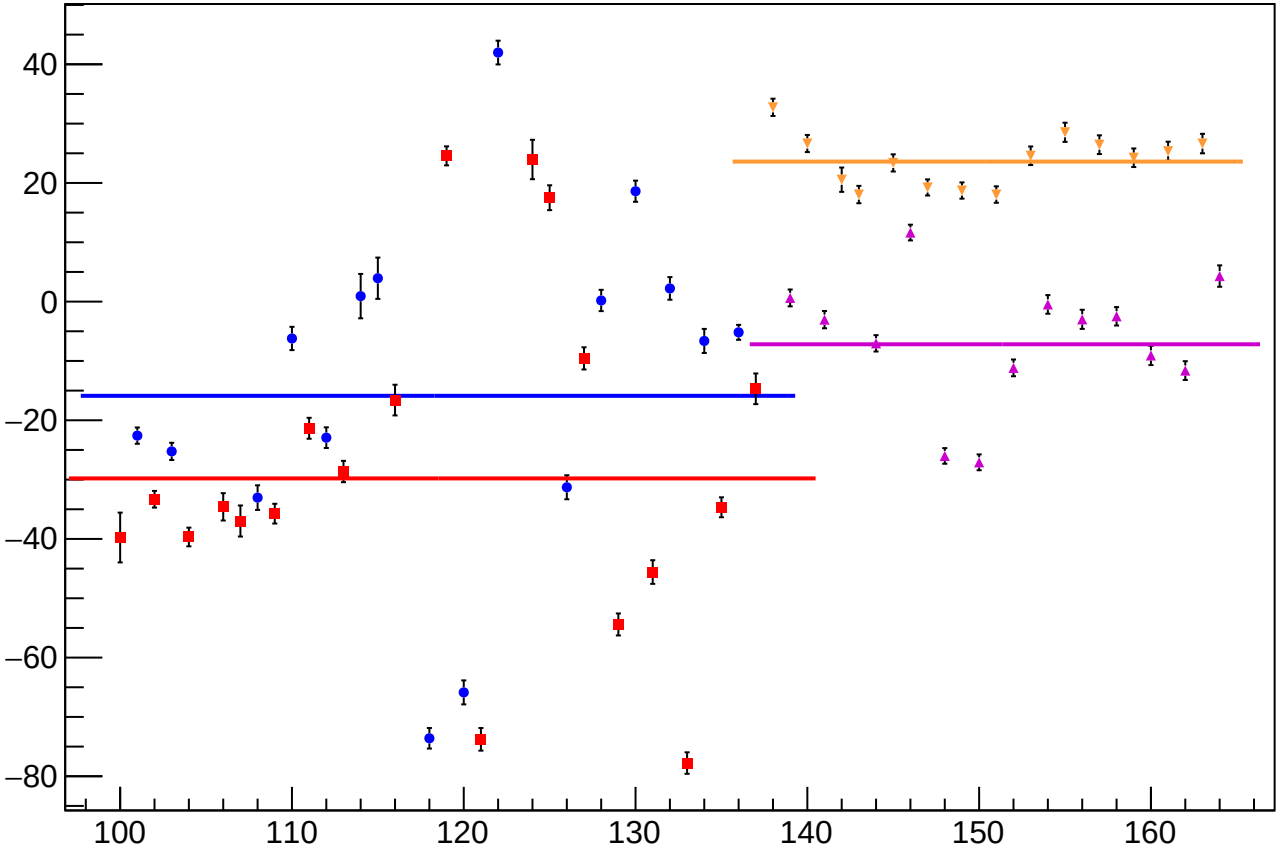
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1548.607+/-0.259 χ^2/NDF:527068.9/28

Out: 1544.078+/-0.254 χ^2/NDF:530822.7/32

All: 1546.302+/-0.181 χ^2/NDF: 1058047.5/61

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 23.601+/-0.405 χ^2/NDF:117.5/13

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -7.192+/-0.409 χ^2/NDF:758.5/12

Left: 8.331+/-0.288 χ^2/NDF: 3740.1/26

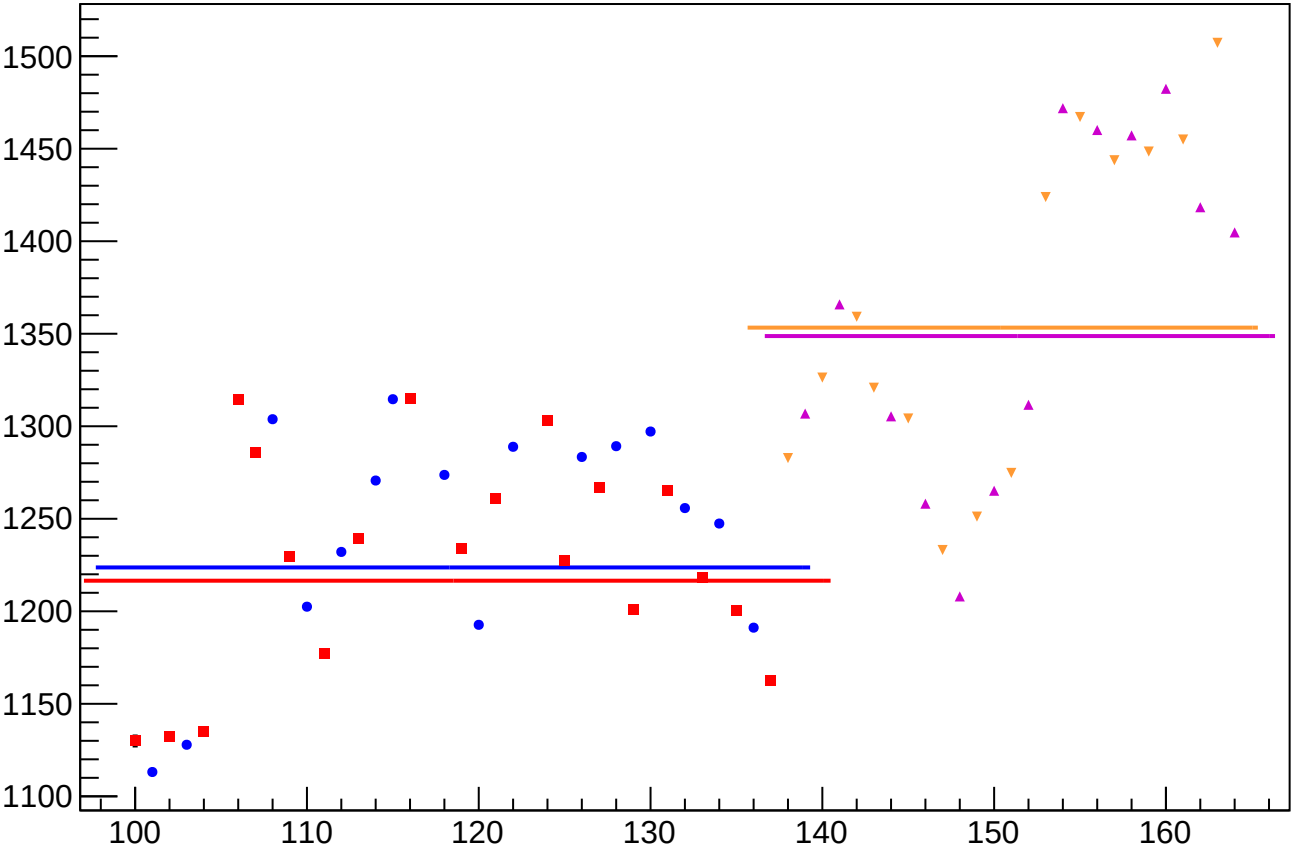
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -11.067+/-0.304 χ^2/NDF:4437.9/28

Out: -0.642+/-0.299 χ^2/NDF:11684.6/32

All: -5.774+/-0.213 χ^2/NDF: 16719.4/61

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1353.307+/-0.286 χ^2/NDF:95528.8/13

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1348.748+/-0.289 χ^2/NDF:96367.6/12

Left: 1351.046+/-0.203 χ^2/NDF: 192022.0/26

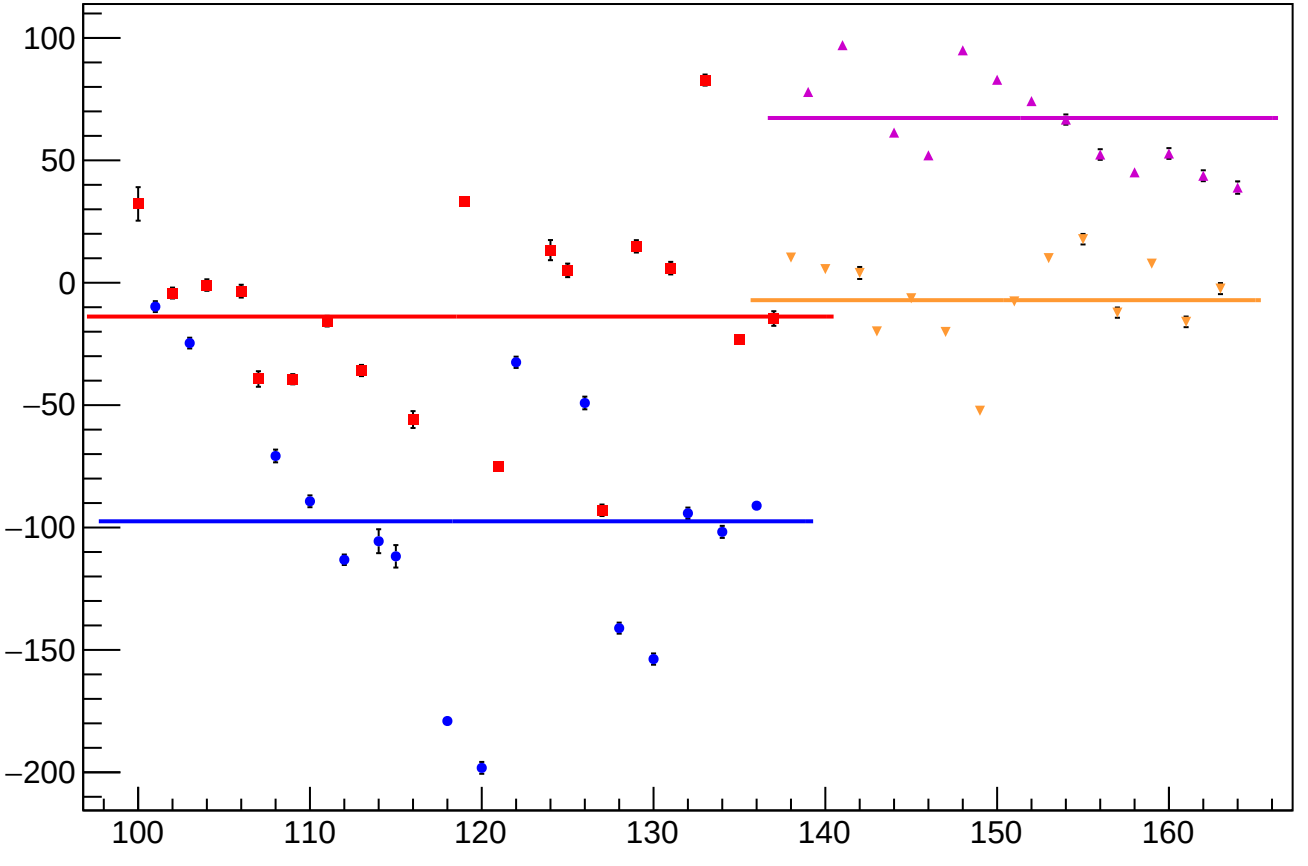
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1292.968+/-0.215 χ^2/NDF:220837.4/28

Out: 1291.216+/-0.212 χ^2/NDF:228372.9/32

All: 1292.078+/-0.151 χ^2/NDF: 449244.0/61

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -7.122+/-0.522 χ^2/NDF:1189.3/13

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 67.305+/-0.531 χ^2/NDF:1190.9/12

Left: 29.449+/-0.372 χ^2/NDF: 12368.4/26

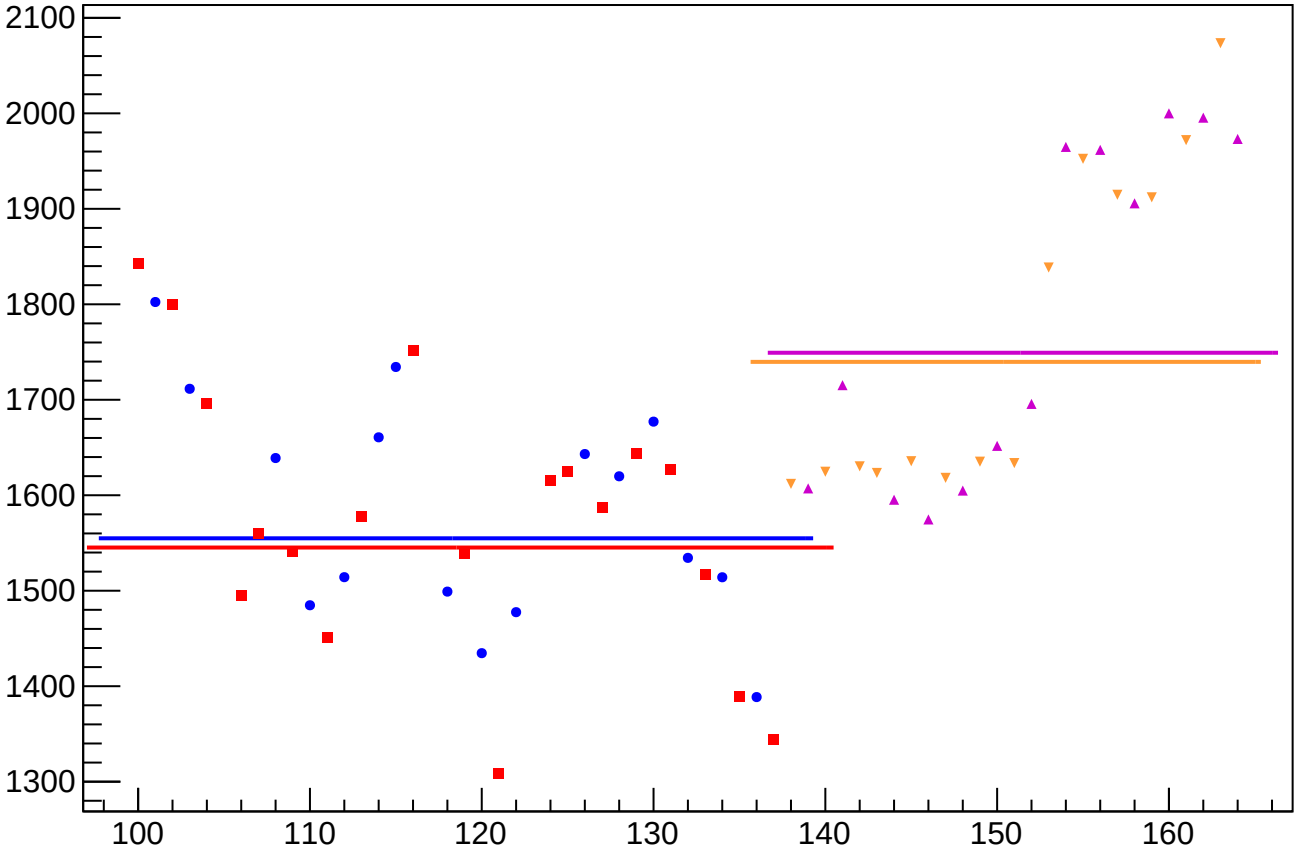
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -7.922+/-0.392 χ^2/NDF:53429.8/28

Out: -10.201+/-0.384 χ^2/NDF:6617.1/32

All: -9.085+/-0.274 χ^2/NDF: 60064.2/61

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1739.702+/-0.369 χ^2/NDF:179113.9/13

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1749.253+/-0.376 χ^2/NDF:192938.4/12

Left: 1744.395+/-0.263 χ^2/NDF: 372381.2/26

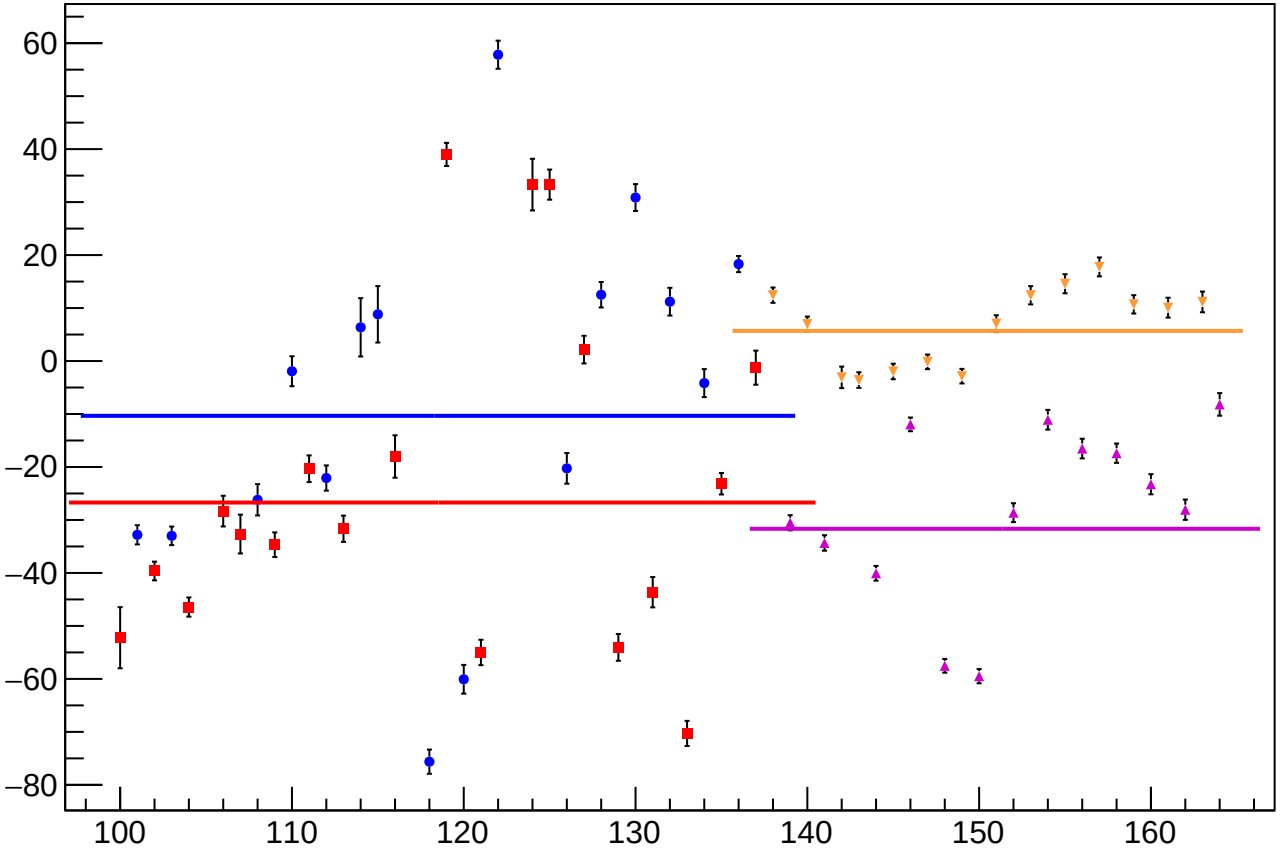
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1660.518+/-0.277 χ^2/NDF:403126.7/28

Out: 1650.262+/-0.271 χ^2/NDF:415554.8/32

All: 1655.285+/-0.194 χ^2/NDF: 819381.6/61

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 5.688+/-0.429 χ^2/NDF:272.7/13

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -31.664+/-0.439 χ^2/NDF:1497.0/12

Left: -12.559+/-0.307 χ^2/NDF: 5467.4/26

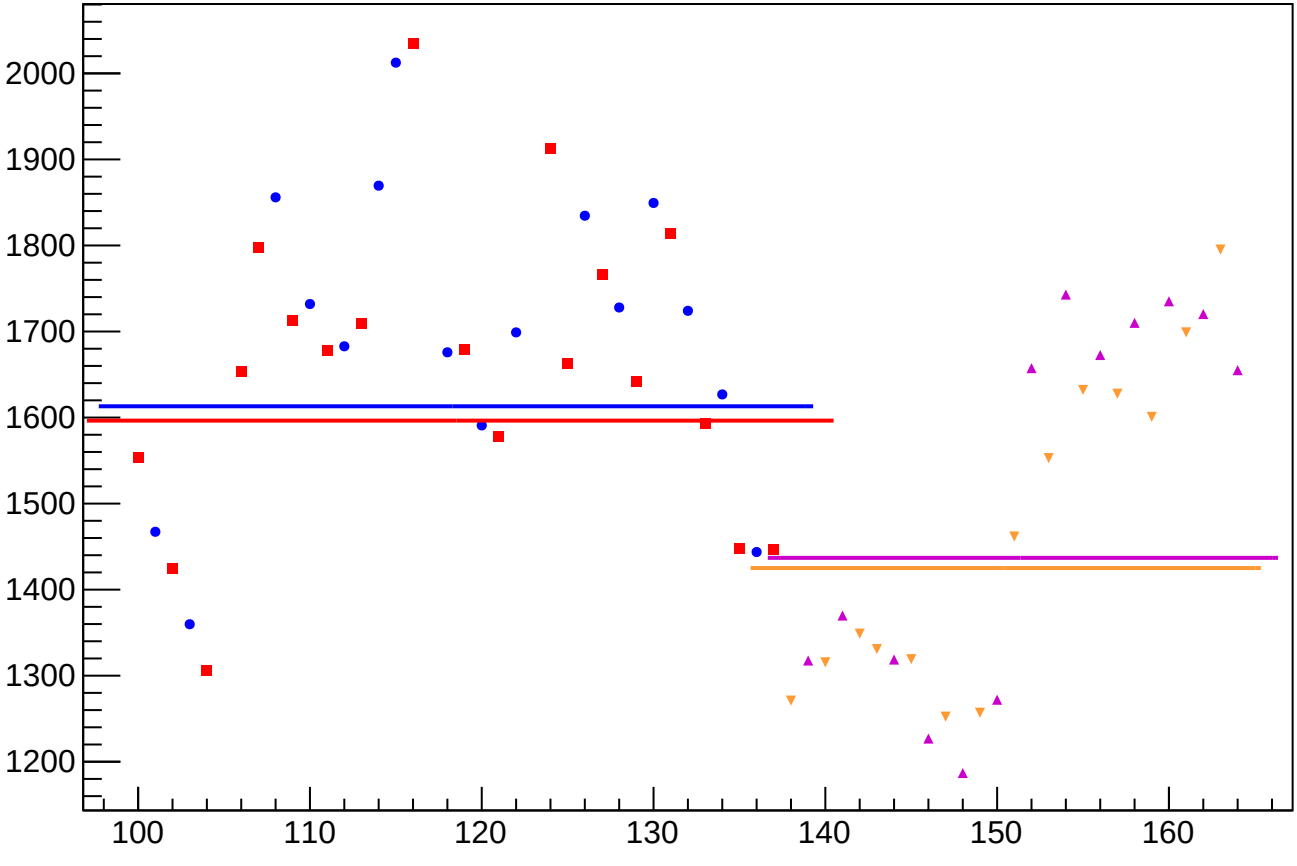
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -24.274+/-0.355 χ^2/NDF:5320.4/28

Out: -5.619+/-0.346 χ^2/NDF:4800.8/32

All: -14.715+/-0.248 χ^2/NDF: 11535.3/61

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1425.093+/-0.304 χ^2/NDF:316604.3/13

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1436.948+/-0.311 χ^2/NDF:465424.6/12

Left: 1430.884+/-0.217 χ^2/NDF: 782773.8/26

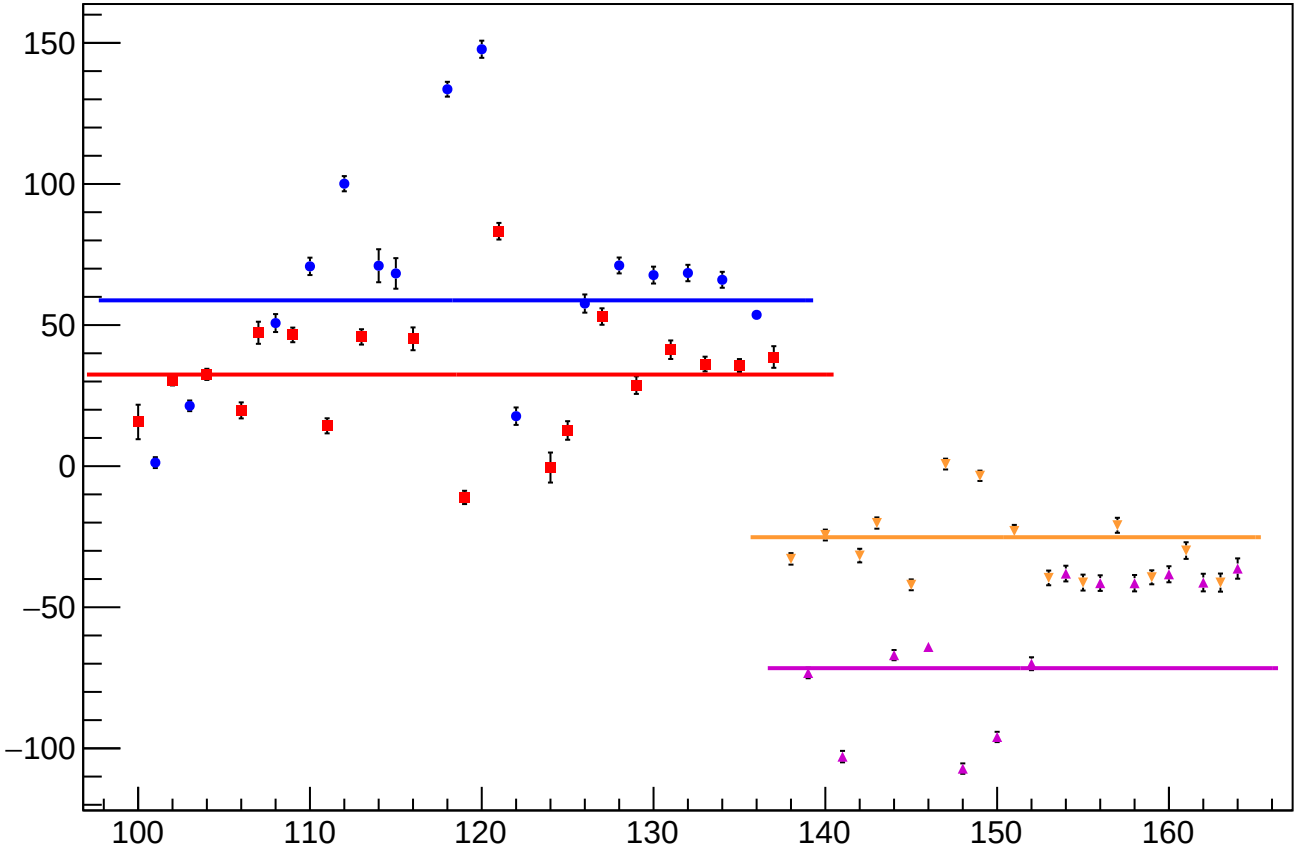
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1498.007+/-0.251 χ^2/NDF:731590.3/28

Out: 1484.895+/-0.245 χ^2/NDF:588503.5/32

All: 1491.288+/-0.175 χ^2/NDF: 1321491.1/61

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -25.175+/-0.600 χ^2/NDF:556.8/13

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -71.584+/-0.618 χ^2/NDF:1515.8/12

Left: -47.701+/-0.430 χ^2/NDF: 4975.8/26

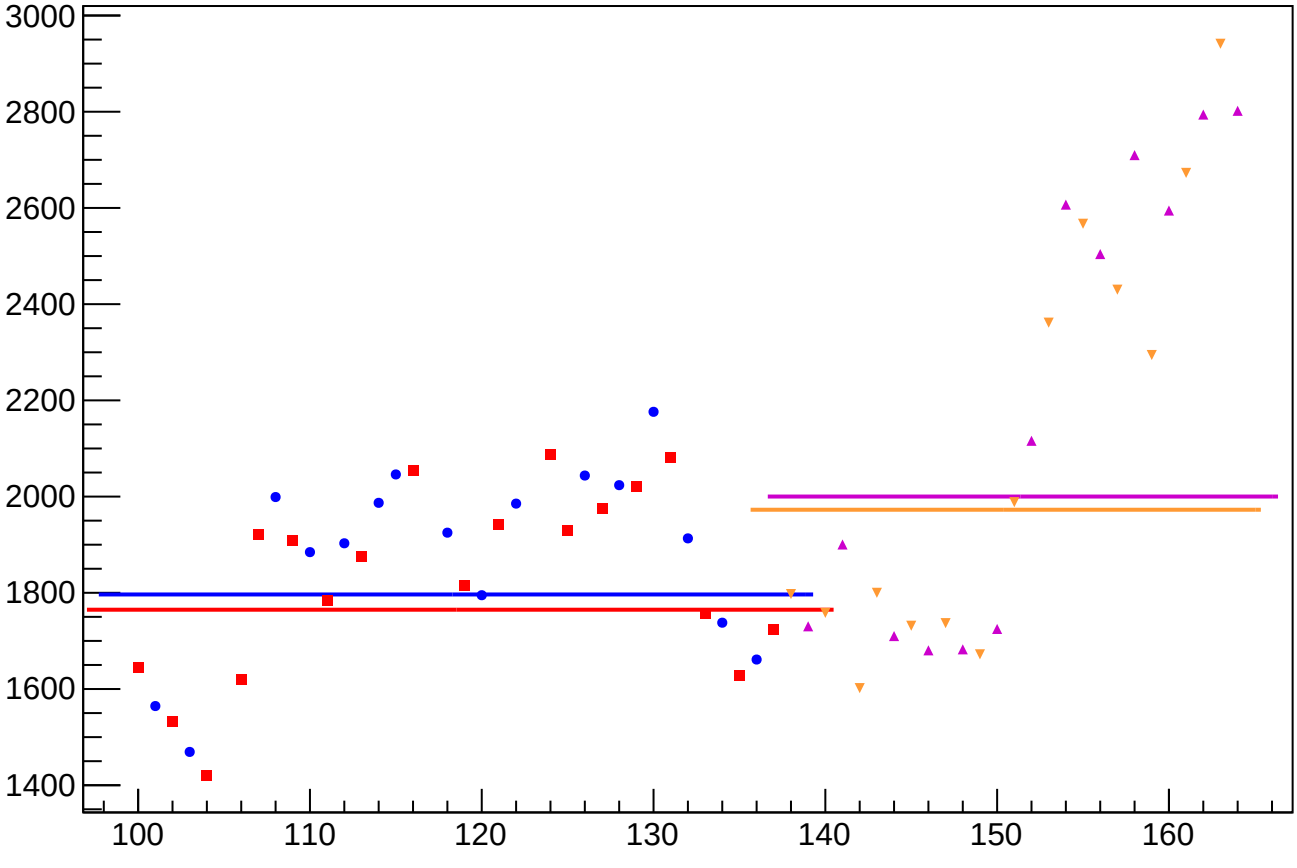
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -11.914+/-0.455 χ^2/NDF:25331.3/28

Out: 1.417+/-0.440 χ^2/NDF:5744.2/32

All: -5.032+/-0.316 χ^2/NDF: 31518.7/61

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1972.664+/-0.424 χ^2/NDF:738521.7/13

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 2000.115+/-0.437 χ^2/NDF:870116.1/12

Left: 1985.988+/-0.304 χ^2/NDF: 1610669.3/26

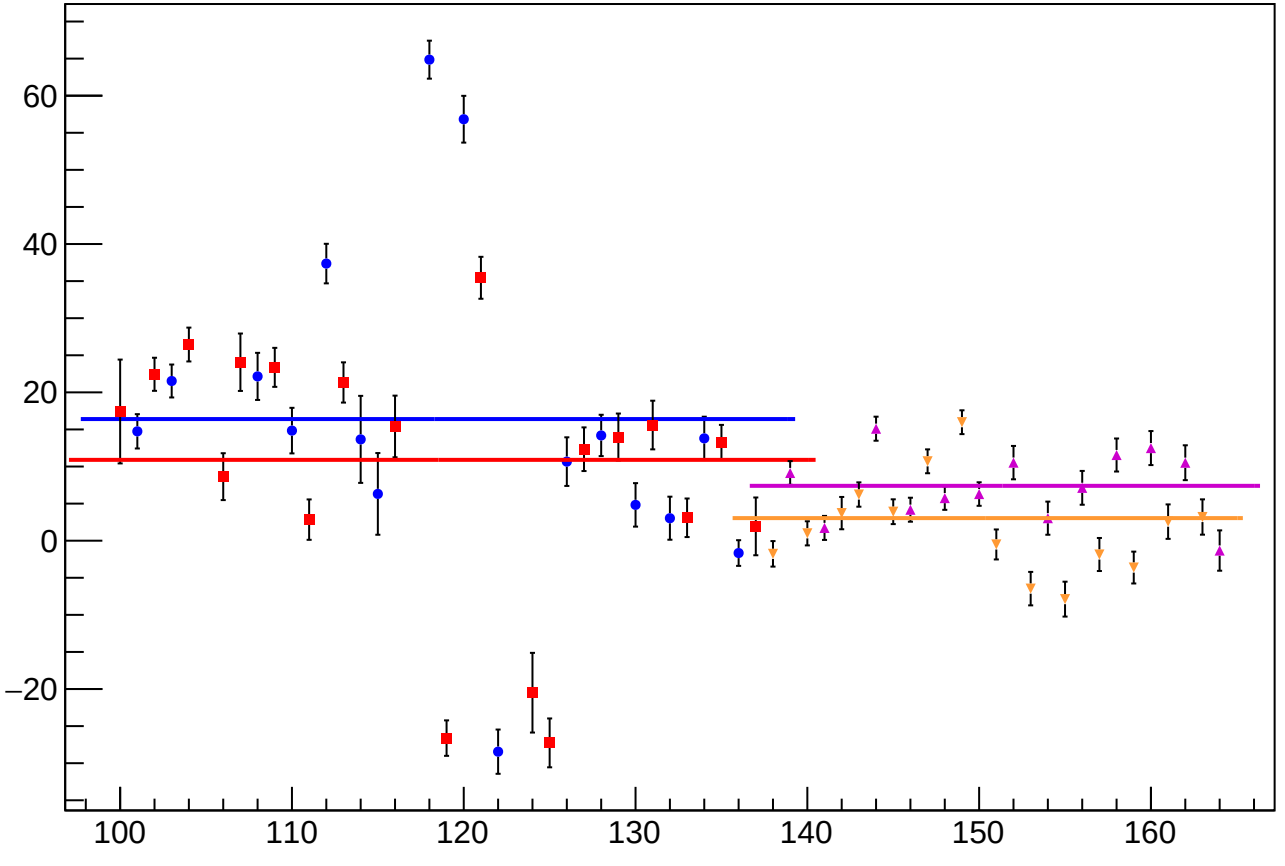
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1906.928+/-0.322 χ^2/NDF:1162660.0/28

Out: 1876.798+/-0.311 χ^2/NDF:1039152.7/32

All: 1891.374+/-0.224 χ^2/NDF: 2206340.6/61

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 3.045+/-0.511 χ^2/NDF:158.0/13

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 7.397+/-0.525 χ^2/NDF:67.8/12

Left: 5.162+/-0.366 χ^2/NDF: 261.1/26

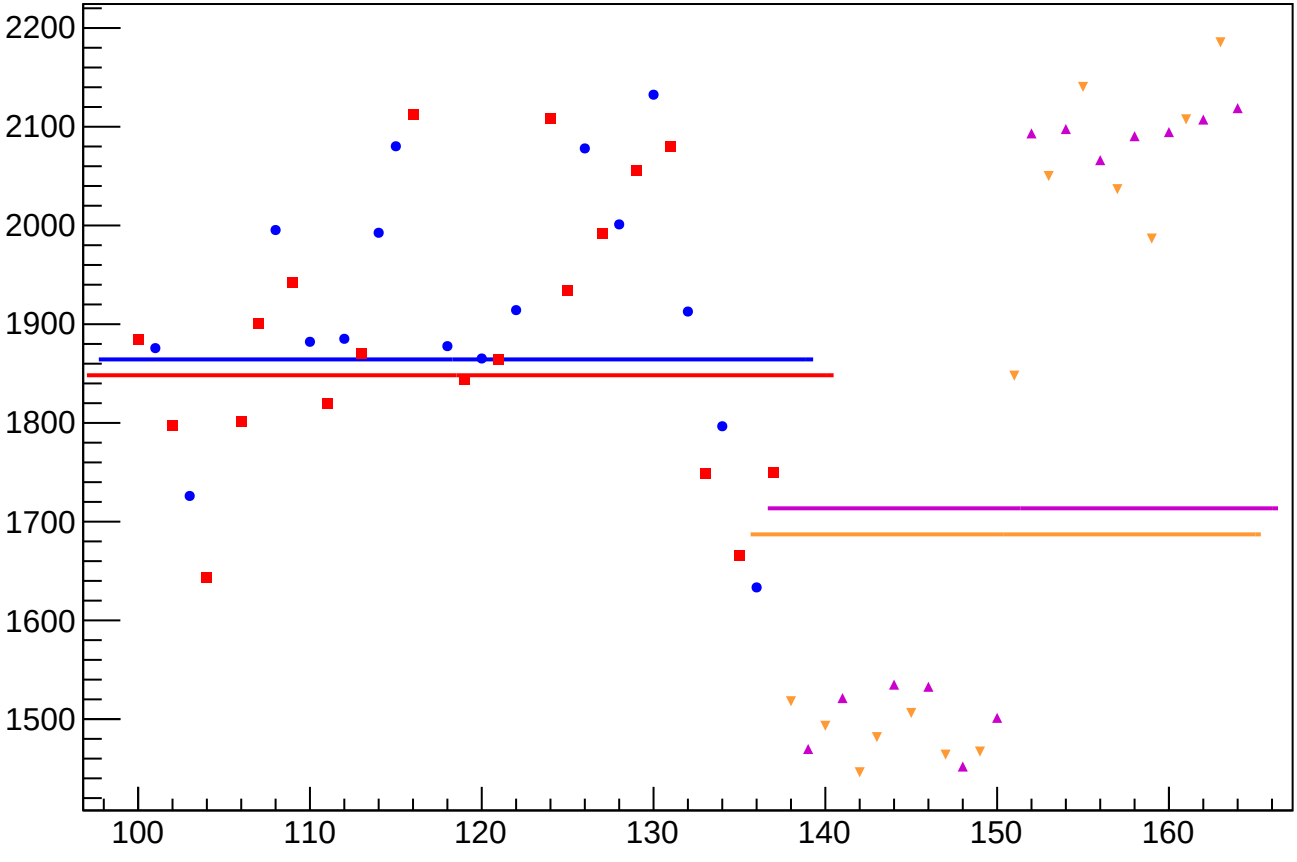
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 10.667+/-0.419 χ^2/NDF:1147.6/28

Out: 5.899+/-0.408 χ^2/NDF:885.6/32

All: 8.218+/-0.292 χ^2/NDF: 2099.8/61

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1687.124+/-0.361 χ^2/NDF:582828.6/13

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1713.506+/-0.371 χ^2/NDF:591294.3/12

Left: 1699.960+/-0.259 χ^2/NDF: 1176717.5/26

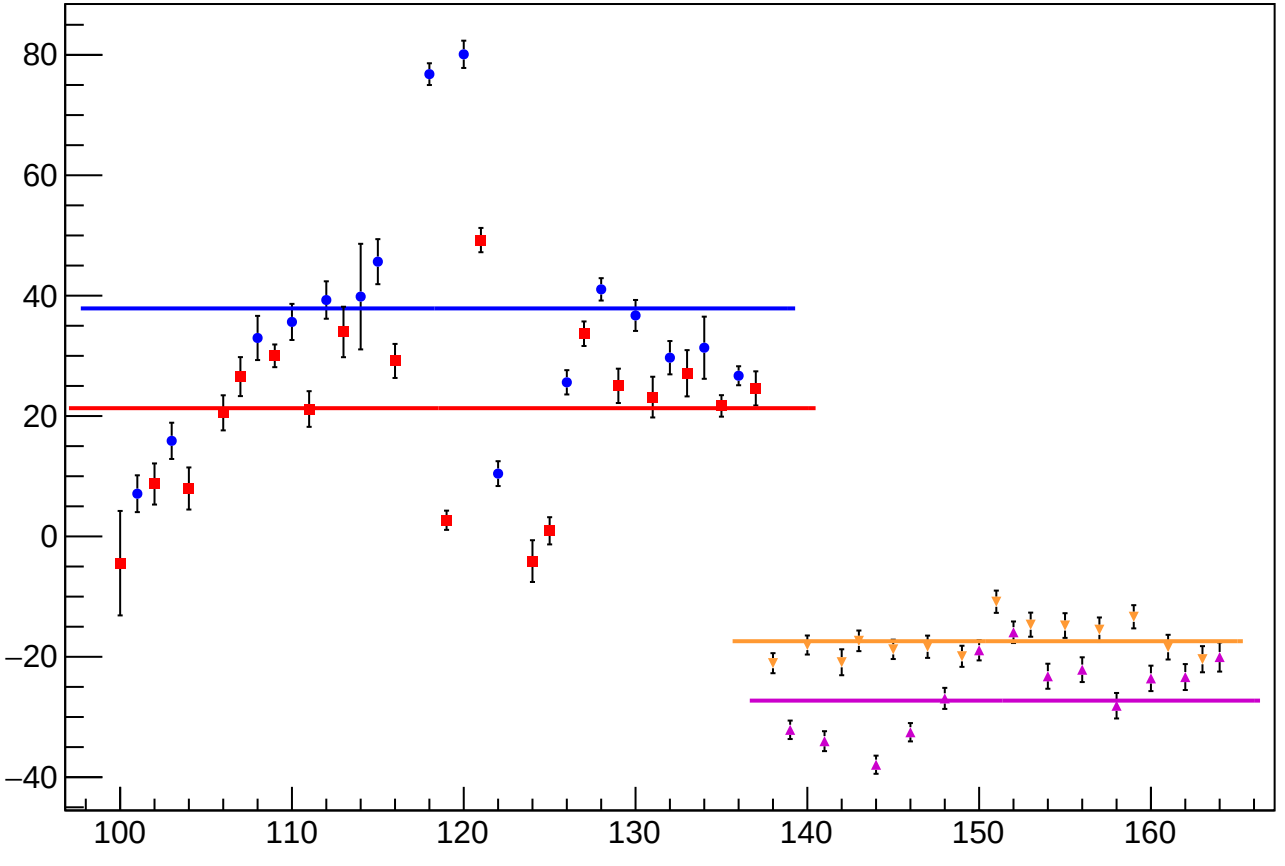
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1768.287+/-0.296 χ^2/NDF:734594.2/28

Out: 1745.684+/-0.288 χ^2/NDF:730097.5/32

All: 1756.680+/-0.207 χ^2/NDF: 1467683.0/61

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.408+/-0.496 χ^2/NDF:34.1/13

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -27.277+/-0.503 χ^2/NDF:178.8/12

Left: -22.278+/-0.353 χ^2/NDF: 407.9/26

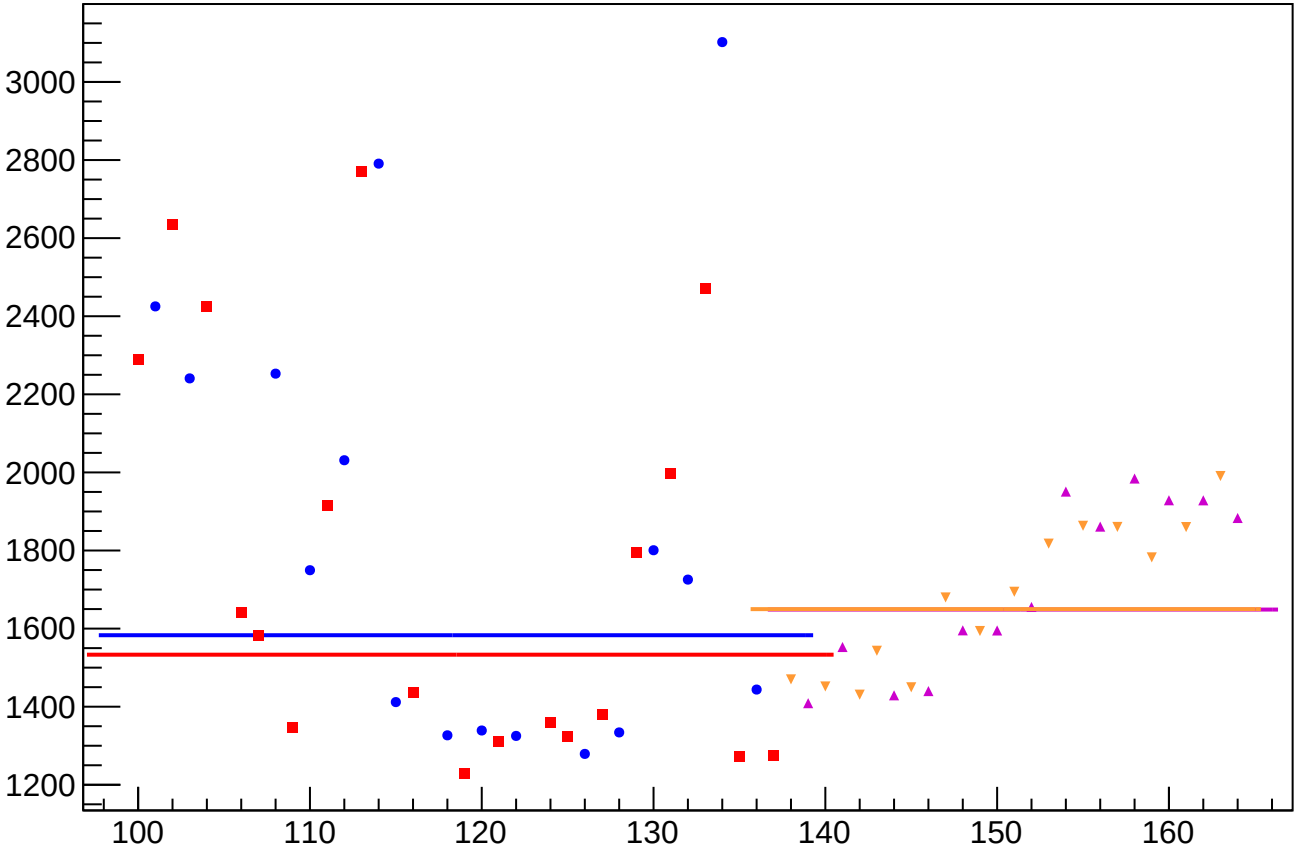
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -1.533+/-0.391 χ^2/NDF:8058.6/28

Out: -1.455+/-0.381 χ^2/NDF:3123.1/32

All: -1.493+/-0.273 χ^2/NDF: 11181.7/61

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1649.857+/-0.351 χ^2/NDF:254442.7/13

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1648.761+/-0.356 χ^2/NDF:340870.7/12

Left: 1649.316+/-0.250 χ^2/NDF: 595318.3/26

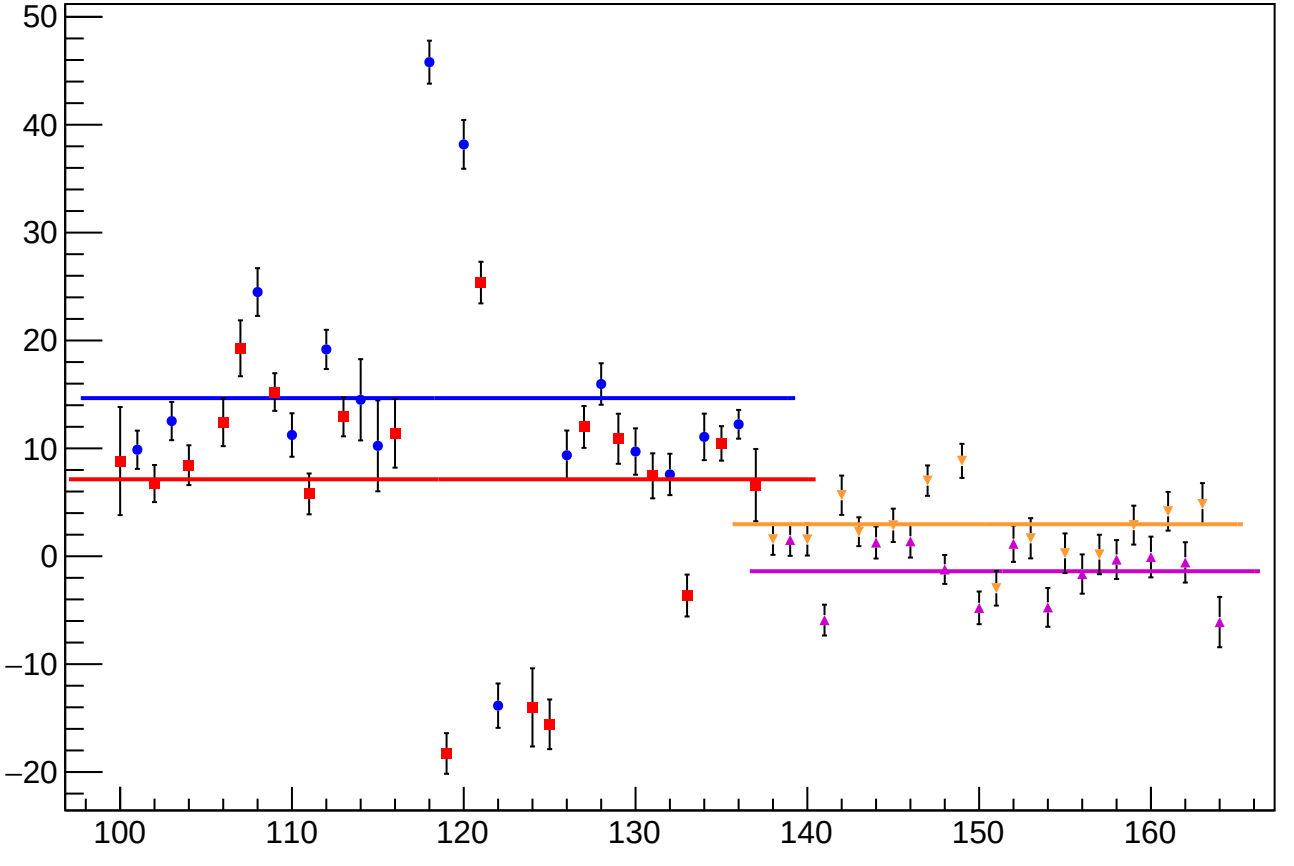
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1622.798+/-0.277 χ^2/NDF:1142029.6/28

Out: 1601.780+/-0.269 χ^2/NDF:1250742.9/32

All: 1612.001+/-0.193 χ^2/NDF: 2395738.1/61

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.969+/-0.435 χ^2/NDF:46.4/13

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -1.388+/-0.454 χ^2/NDF:36.4/12

Left: 0.882+/-0.314 χ^2/NDF: 130.8/26

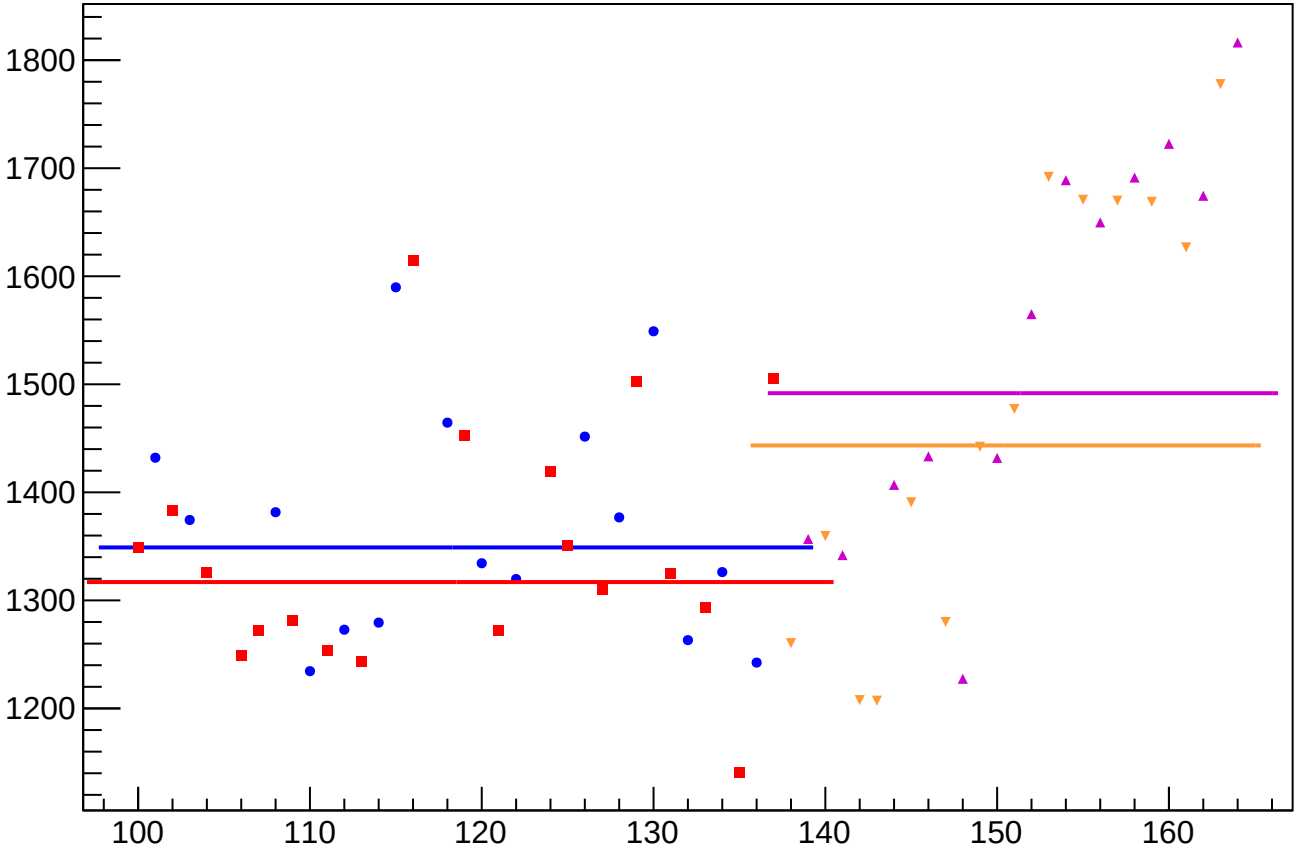
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 5.793+/-0.337 χ^2/NDF:1210.1/28

Out: 4.835+/-0.323 χ^2/NDF:596.8/32

All: 5.294+/-0.234 χ^2/NDF: 1811.1/61

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1443.413+/-0.308 χ^2/NDF:373238.1/13

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1491.744+/-0.321 χ^2/NDF:284203.5/12

Left: 1466.563+/-0.222 χ^2/NDF: 669249.2/26

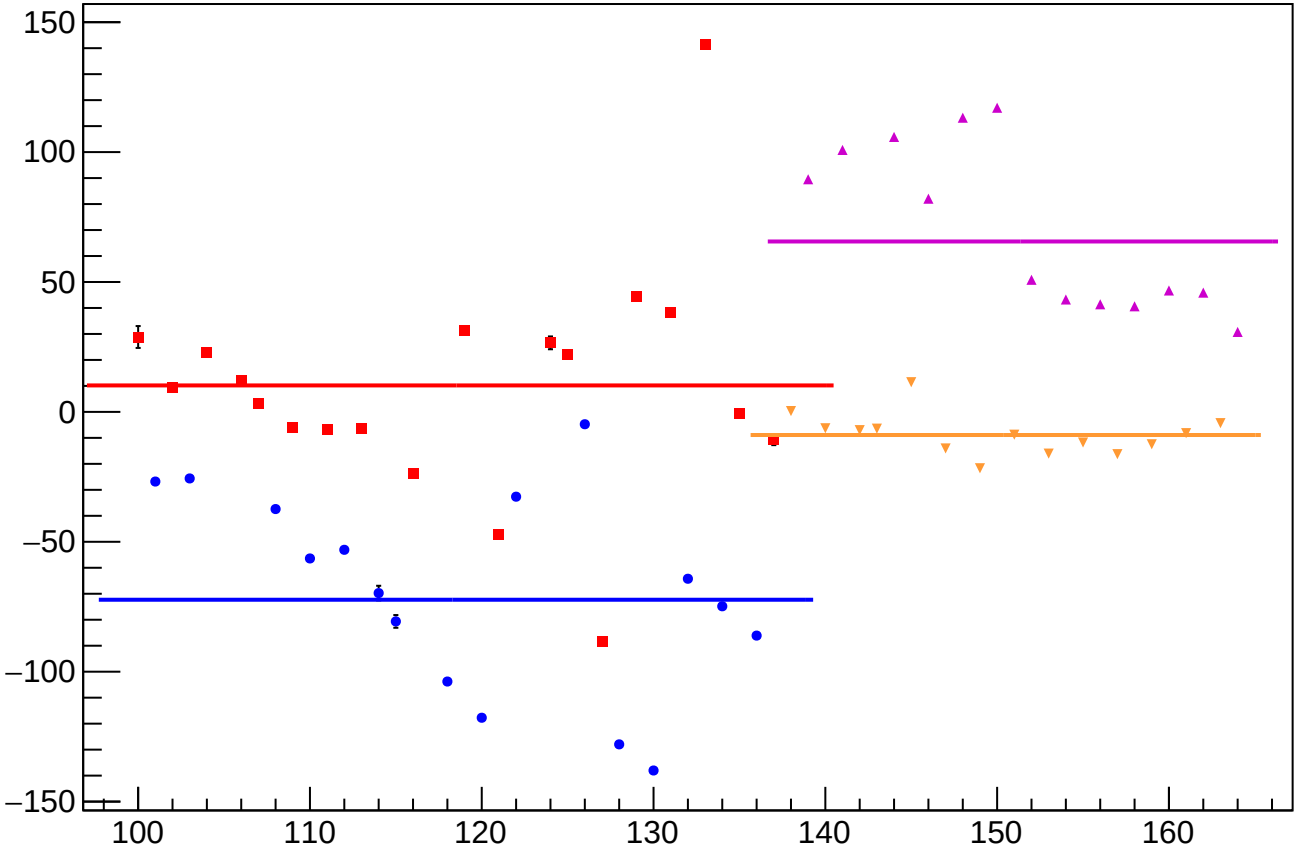
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1427.867+/-0.239 χ^2/NDF:441051.0/28

Out: 1386.754+/-0.229 χ^2/NDF:535717.2/32

All: 1406.436+/-0.165 χ^2/NDF: 992239.4/61

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -8.896+/-0.259 χ^2/NDF:809.7/13

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 65.594+/-0.265 χ^2/NDF:12084.4/12

Left: 27.508+/-0.185 χ^2/NDF: 53396.3/26

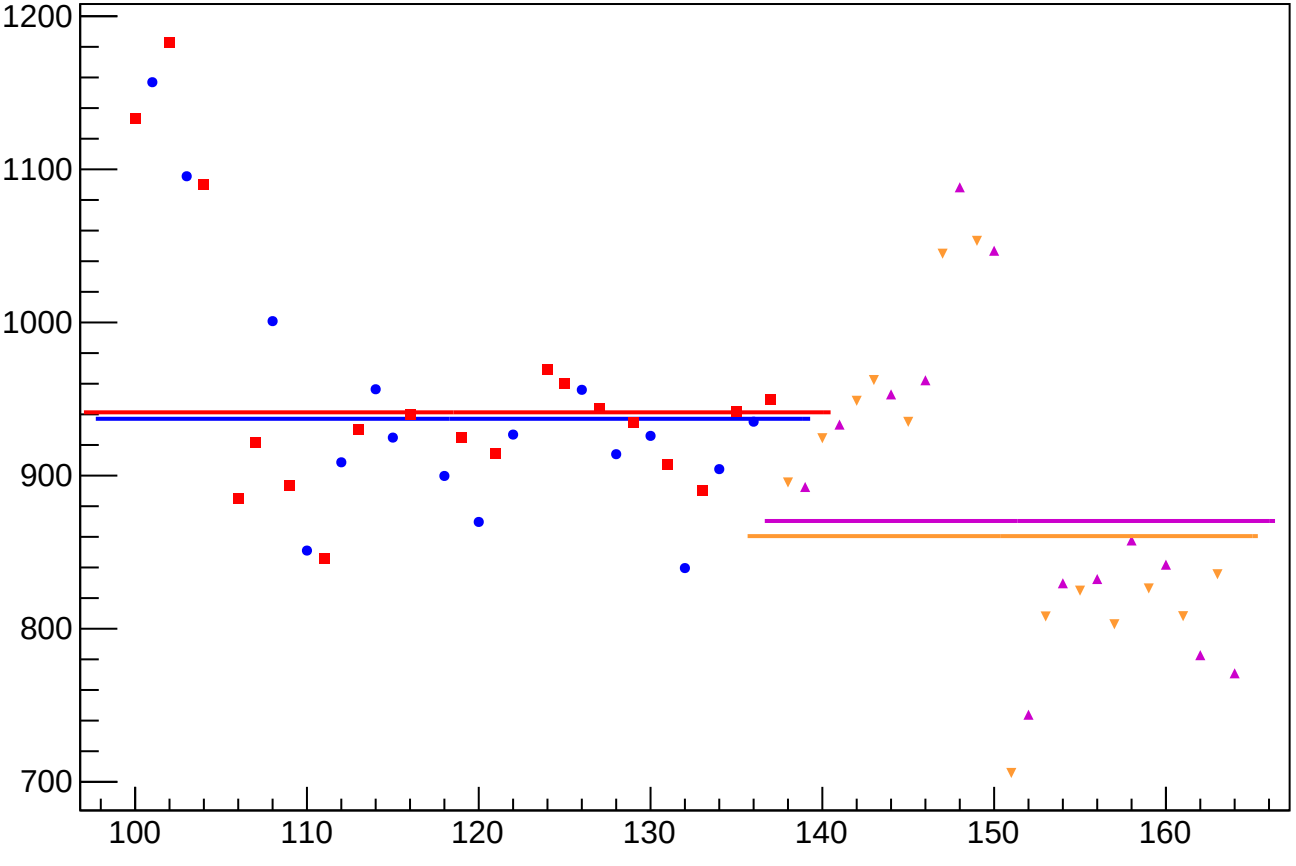
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.328+/-0.211 χ^2/NDF:123194.0/28

Out: -2.014+/-0.207 χ^2/NDF:21817.4/32

All: 6.488+/-0.148 χ^2/NDF: 148455.5/61

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 860.481+/-0.183 χ^2/NDF:265246.0/13

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 870.363+/-0.187 χ^2/NDF:257295.8/12

Left: 865.310+/-0.131 χ^2/NDF: 523967.5/26

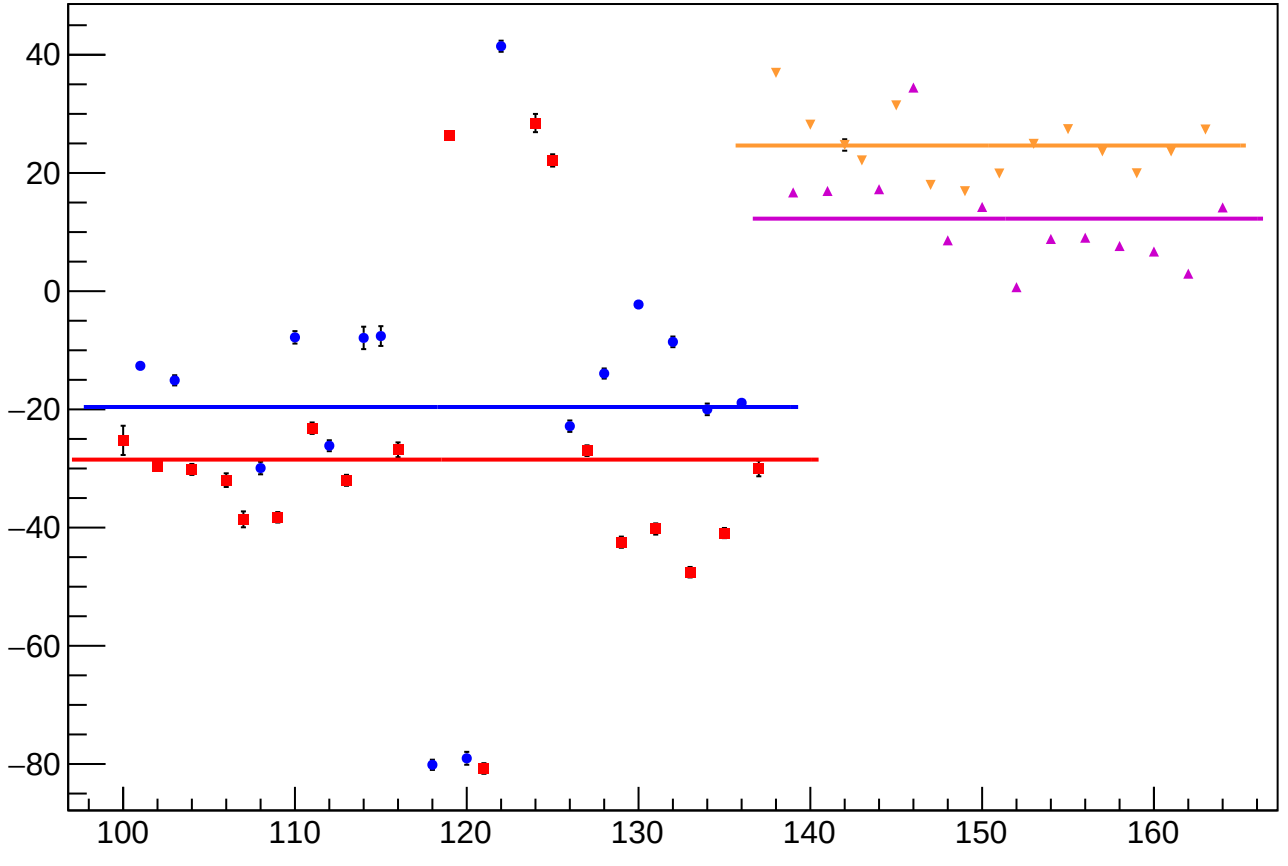
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 894.689+/-0.149 χ^2/NDF:408306.0/28

Out: 889.634+/-0.146 χ^2/NDF:436680.1/32

All: 892.112+/-0.104 χ^2/NDF: 845571.1/61

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.648+/-0.200 χ^2/NDF:724.5/13

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 12.274+/-0.205 χ^2/NDF:1714.3/12

Left: 18.632+/-0.143 χ^2/NDF: 4305.5/26

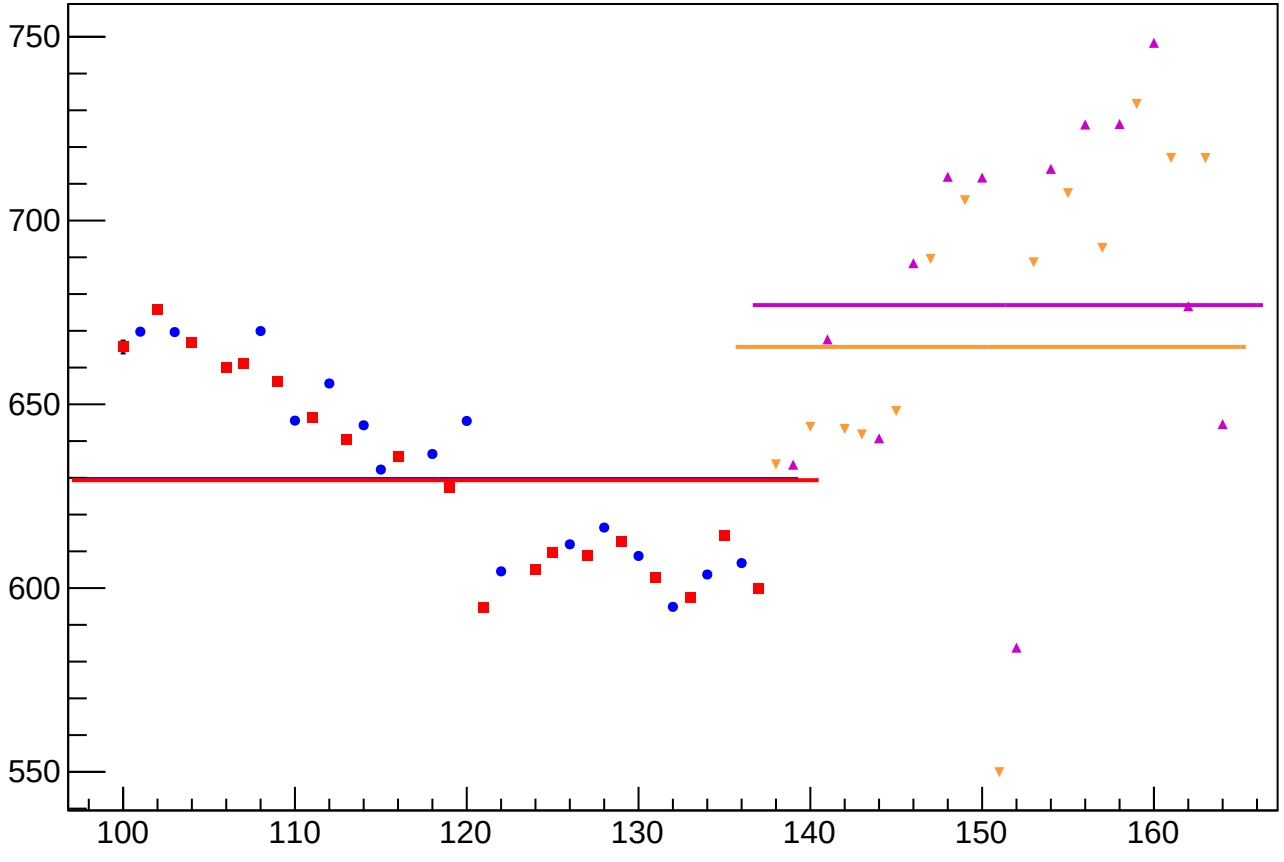
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -1.585+/-0.154 χ^2/NDF:25363.4/28

Out: 1.769+/-0.151 χ^2/NDF:44185.6/32

All: 0.132+/-0.108 χ^2/NDF: 69790.7/61

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 665.621+/-0.141 χ^2/NDF:133613.5/13

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 676.992+/-0.145 χ^2/NDF:104502.9/12

Left: 671.149+/-0.101 χ^2/NDF: 241269.5/26

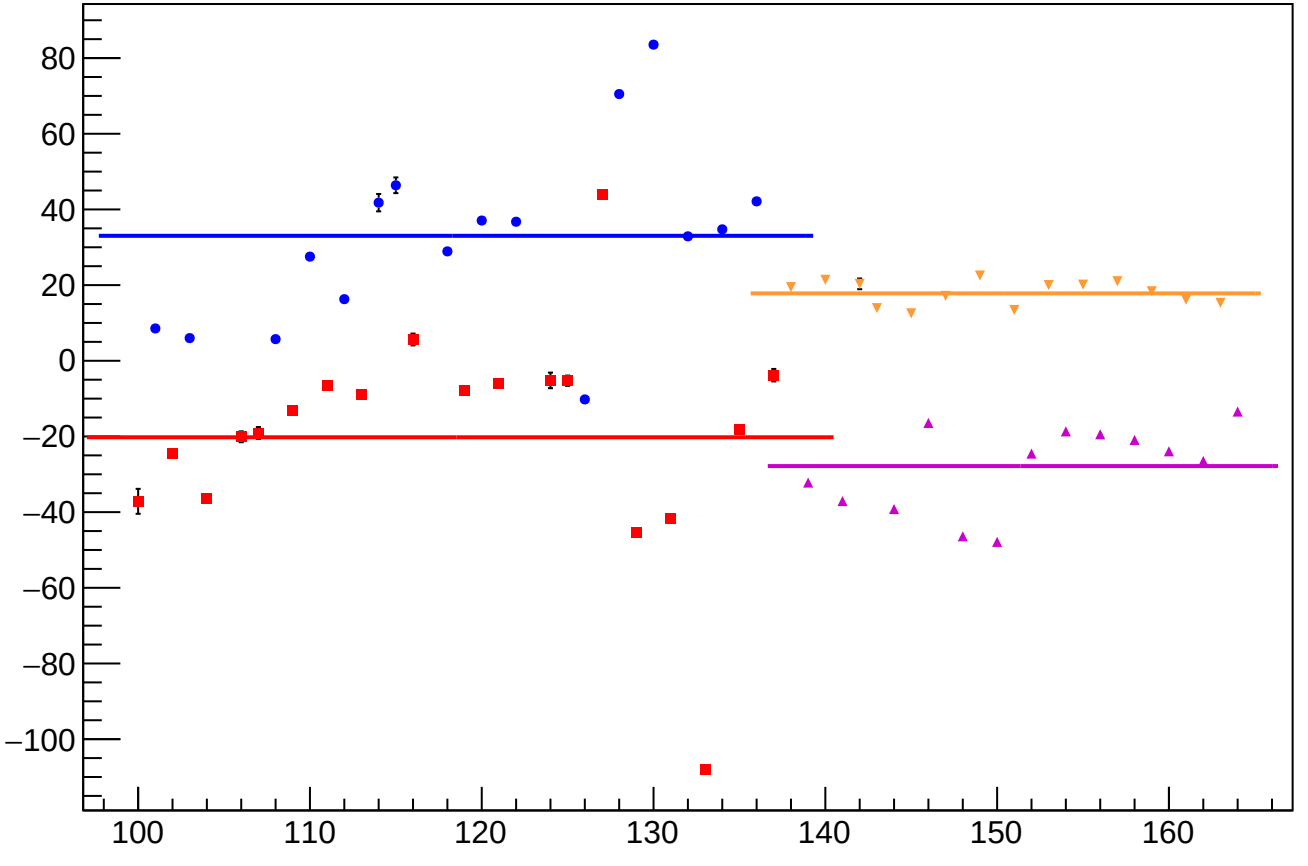
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 656.411+/-0.109 χ^2/NDF:176044.9/28

Out: 650.011+/-0.107 χ^2/NDF:188792.6/32

All: 653.134+/-0.076 χ^2/NDF: 366598.2/61

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.811+/-0.284 χ^2/NDF:122.7/13

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -27.828+/-0.288 χ^2/NDF:1305.2/12

Left: -4.640+/-0.202 χ^2/NDF: 14168.8/26

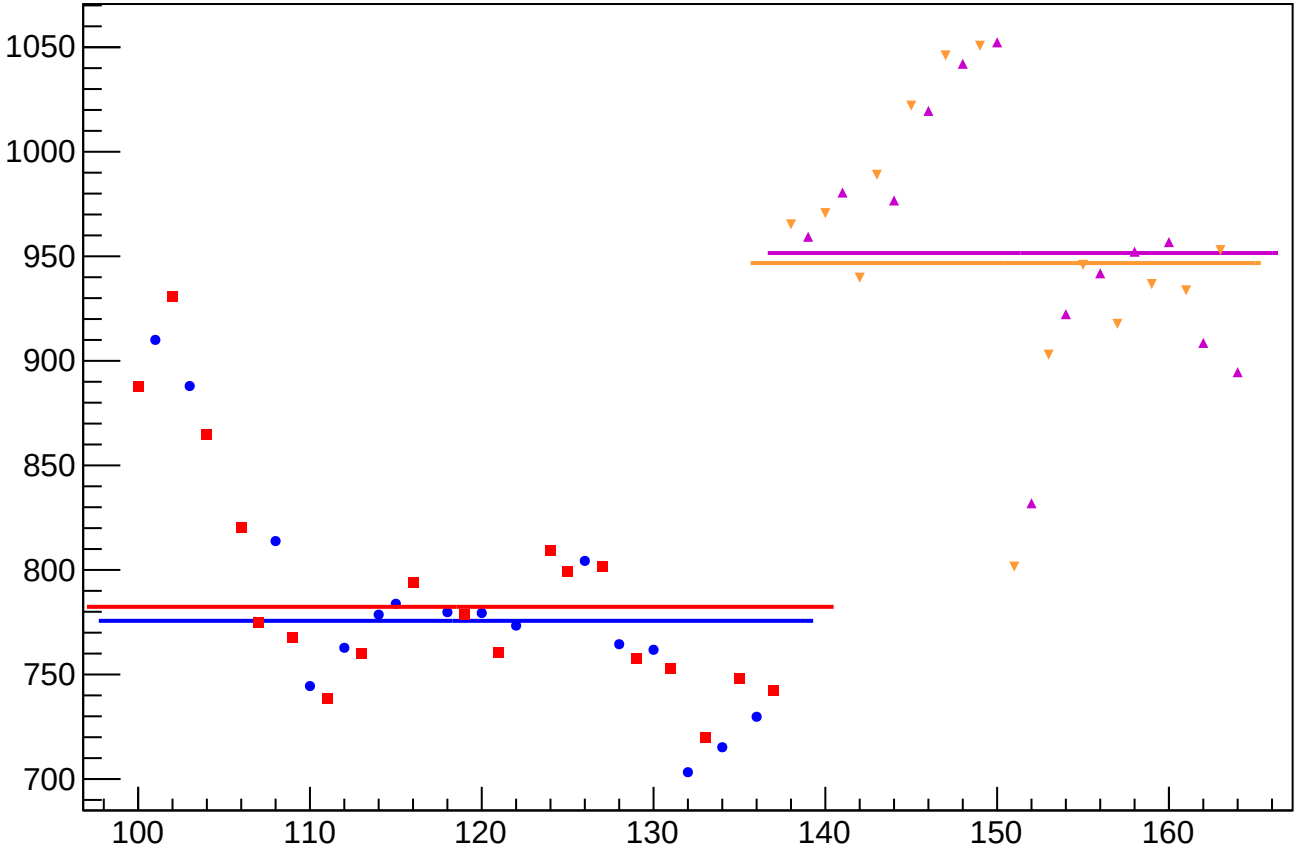
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 2.528+/-0.204 χ^2/NDF:30248.2/28

Out: -1.044+/-0.201 χ^2/NDF:20907.7/32

All: 0.719+/-0.143 χ^2/NDF: 51311.1/61

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 946.770+/-0.201 χ^2/NDF:106175.3/13

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 951.578+/-0.204 χ^2/NDF:86068.3/12

Left: 949.135+/-0.143 χ^2/NDF: 192526.5/26

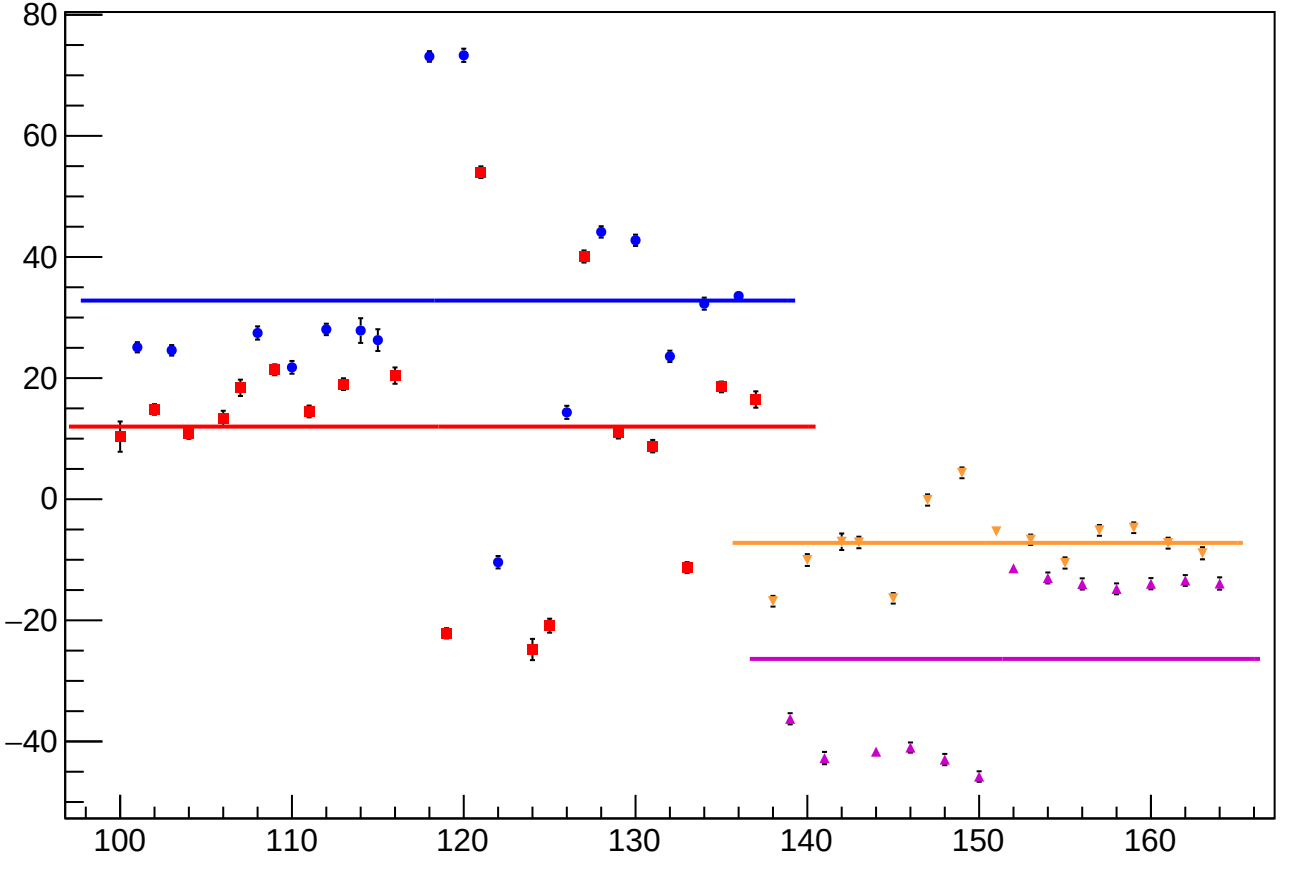
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 863.836+/-0.144 χ^2/NDF:532386.0/28

Out: 865.248+/-0.142 χ^2/NDF:504059.3/32

All: 864.551+/-0.101 χ^2/NDF: 1036493.8/61

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.207+/-0.242 χ^2/NDF:502.8/13

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -26.367+/-0.246 χ^2/NDF:3393.2/12

Left: -16.617+/-0.172 χ^2/NDF: 6983.5/26

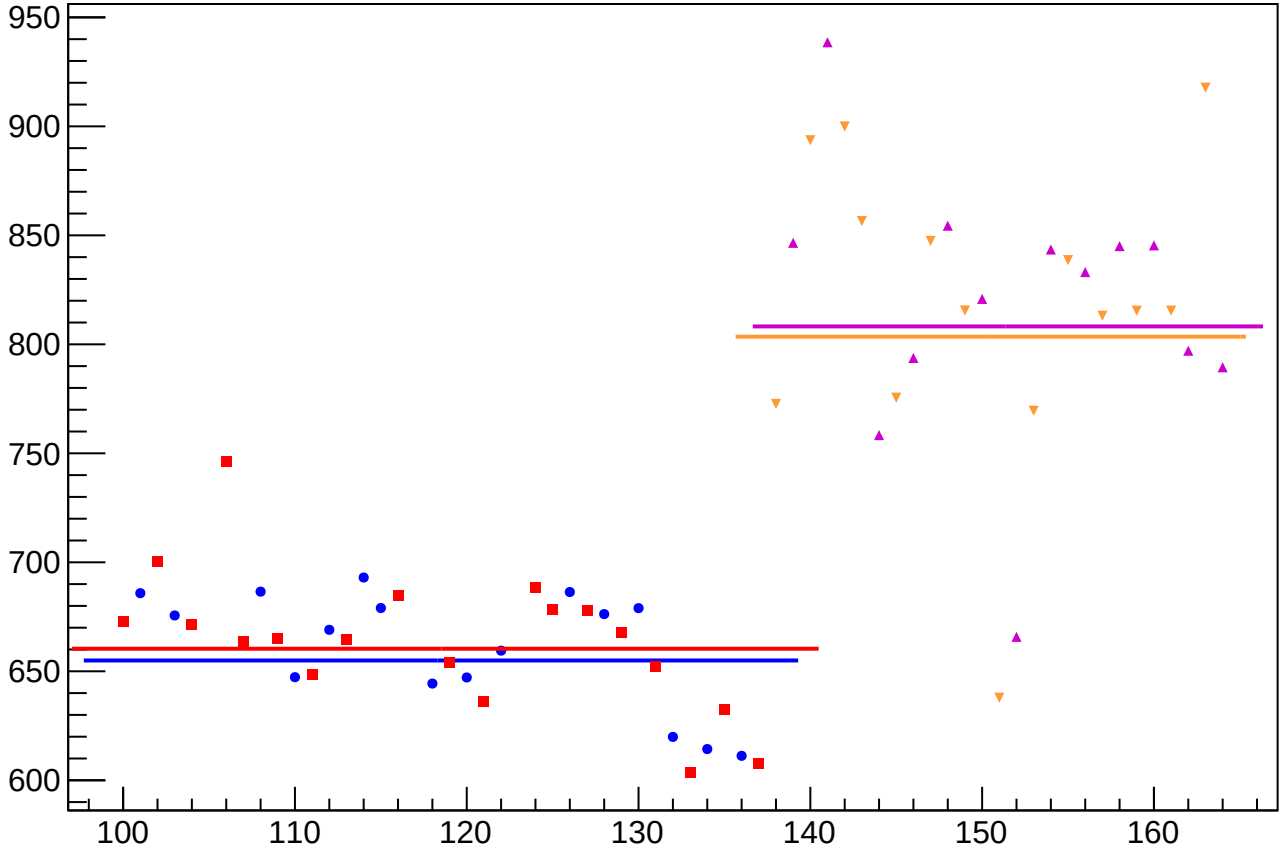
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 3.517+/-0.173 χ^2/NDF:38875.4/28

Out: 2.415+/-0.171 χ^2/NDF:10225.7/32

All: 2.958+/-0.122 χ^2/NDF: 49121.6/61

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 803.506+/-0.171 χ^2/NDF:189644.1/13

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 808.221+/-0.174 χ^2/NDF:139586.1/12

Left: 805.821+/-0.122 χ^2/NDF: 329604.1/26

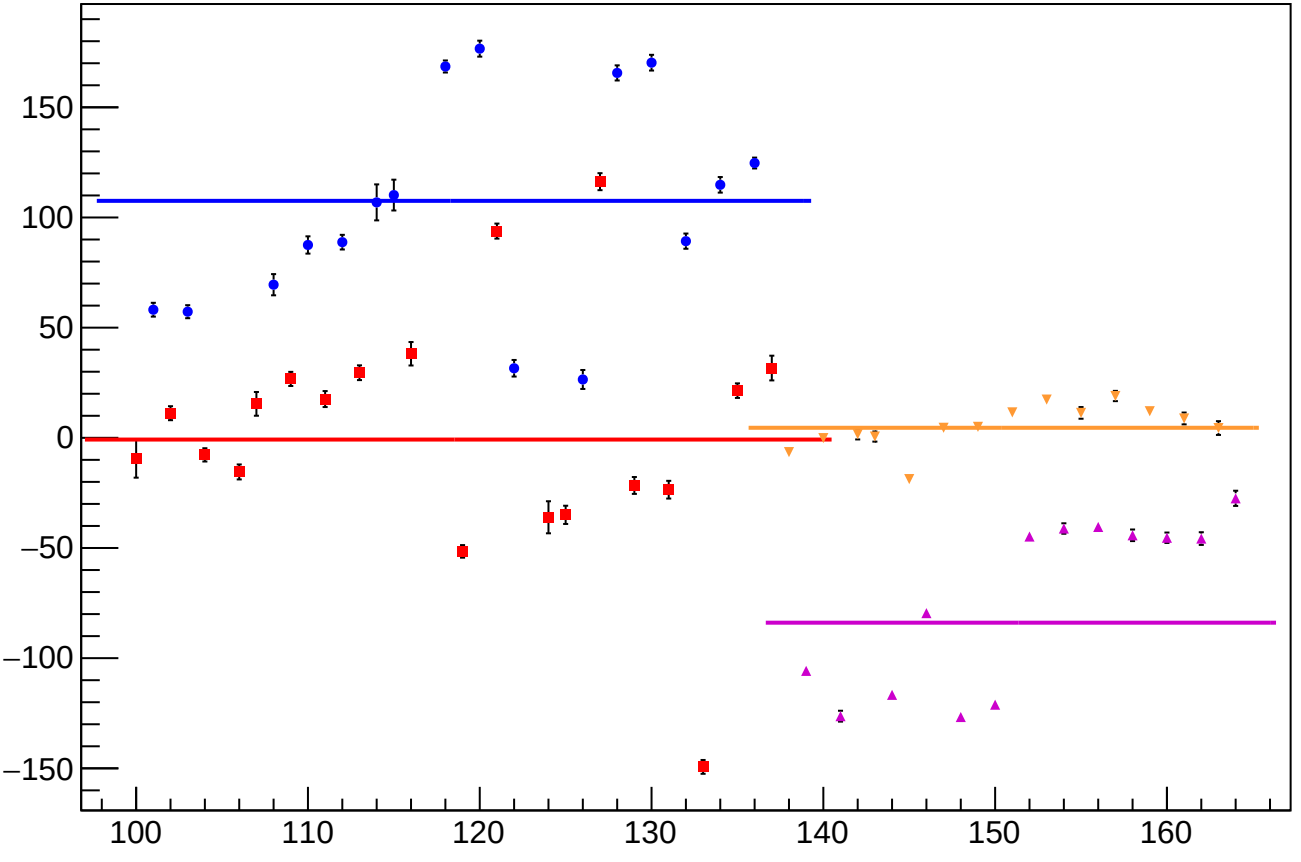
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 730.822+/-0.122 χ^2/NDF:558380.9/28

Out: 731.769+/-0.121 χ^2/NDF:571720.3/32

All: 731.302+/-0.086 χ^2/NDF: 1130131.5/61

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 4.559+/-0.579 χ^2/NDF:279.2/13

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -83.900+/-0.589 χ^2/NDF:3777.8/12

Left: -38.929+/-0.413 χ^2/NDF: 15539.9/26

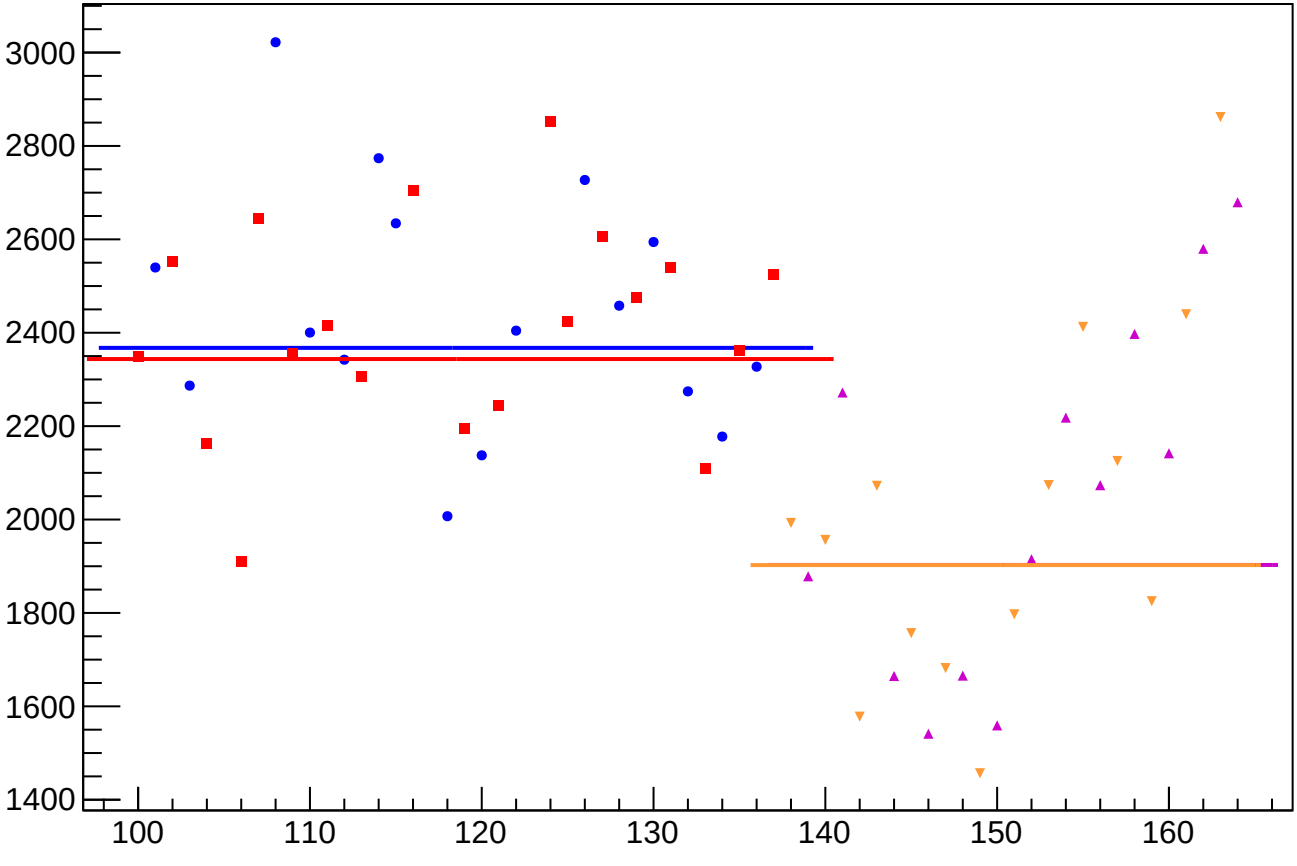
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -25.219+/-0.490 χ^2/NDF:39161.8/28

Out: 2.894+/-0.480 χ^2/NDF:5069.7/32

All: -10.878+/-0.343 χ^2/NDF: 45909.7/61

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1902.459+/-0.409 χ^2/NDF:627370.4/13

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1902.734+/-0.416 χ^2/NDF:649180.6/12

Left: 1902.594+/-0.292 χ^2/NDF: 1276551.3/26

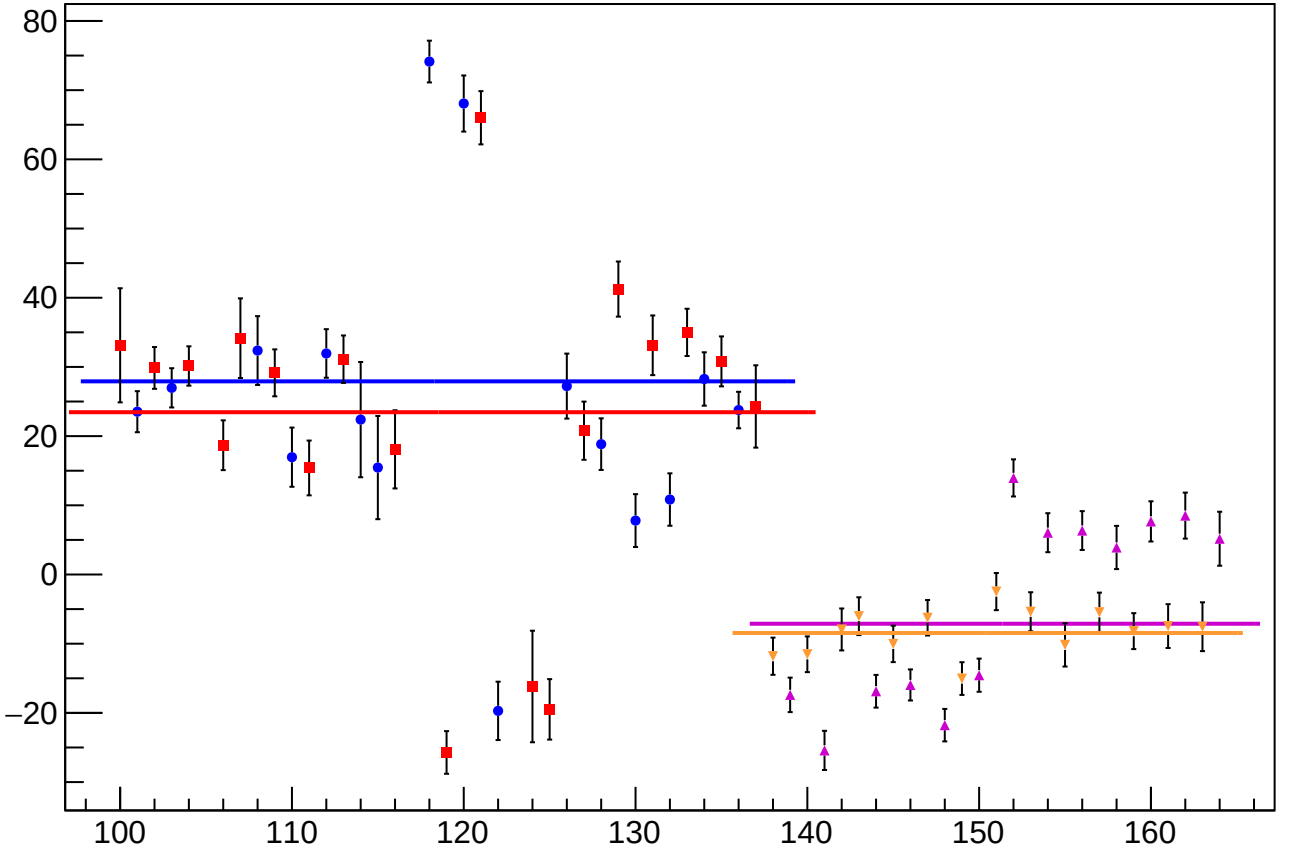
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2045.230+/-0.347 χ^2/NDF:1158390.9/28

Out: 2039.837+/-0.340 χ^2/NDF:1101527.4/32

All: 2042.479+/-0.243 χ^2/NDF: 2260041.8/61

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.447+/-0.740 χ^2/NDF:20.4/13

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.115+/-0.748 χ^2/NDF:317.1/12

Left: -7.788+/-0.526 χ^2/NDF: 339.1/26

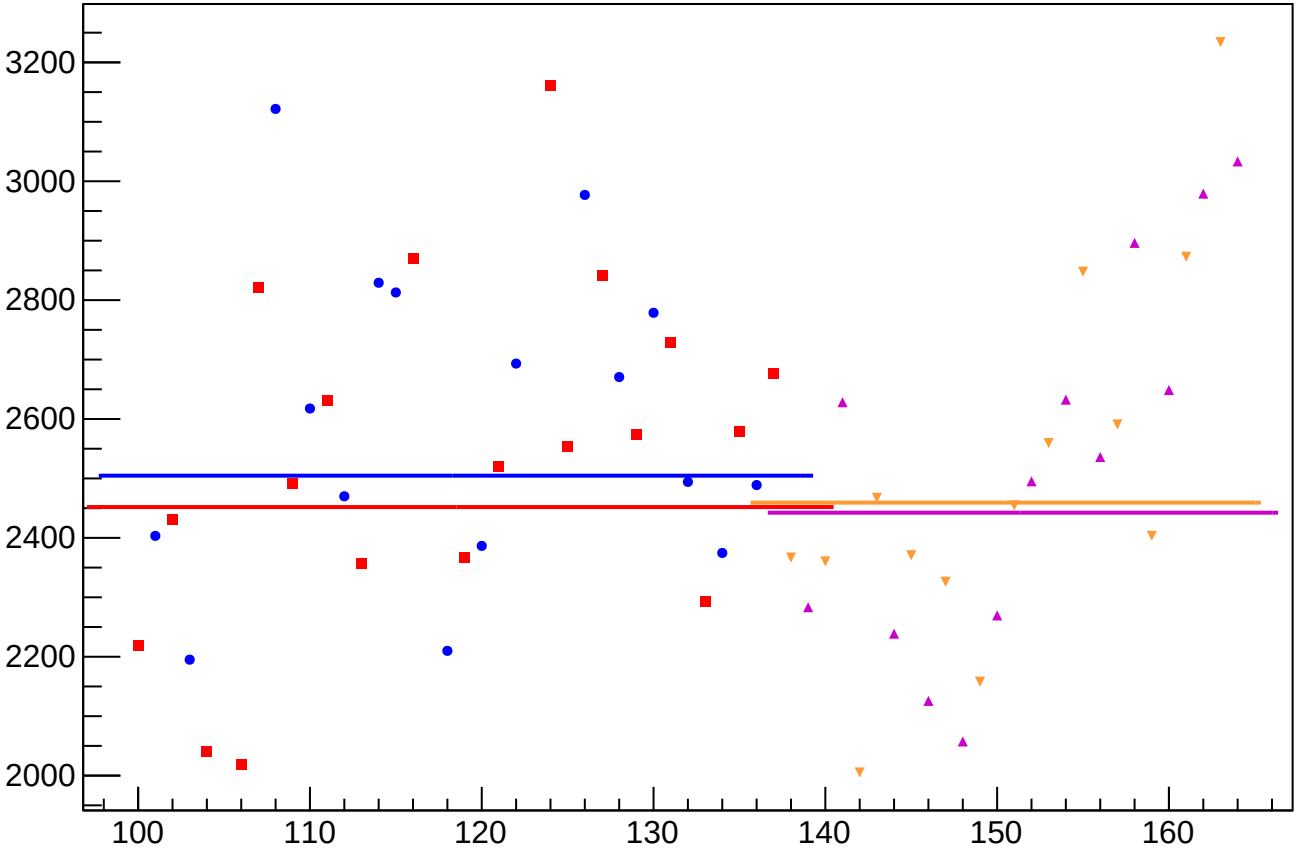
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 6.521+/-0.584 χ^2/NDF:1701.9/28

Out: 4.380+/-0.572 χ^2/NDF:1335.4/32

All: 5.428+/-0.409 χ^2/NDF: 3044.1/61

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2459.344+/-0.523 χ^2/NDF:259420.4/13

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2442.385+/-0.529 χ^2/NDF:298043.5/12

Left: 2450.953+/-0.372 χ^2/NDF: 557983.5/26

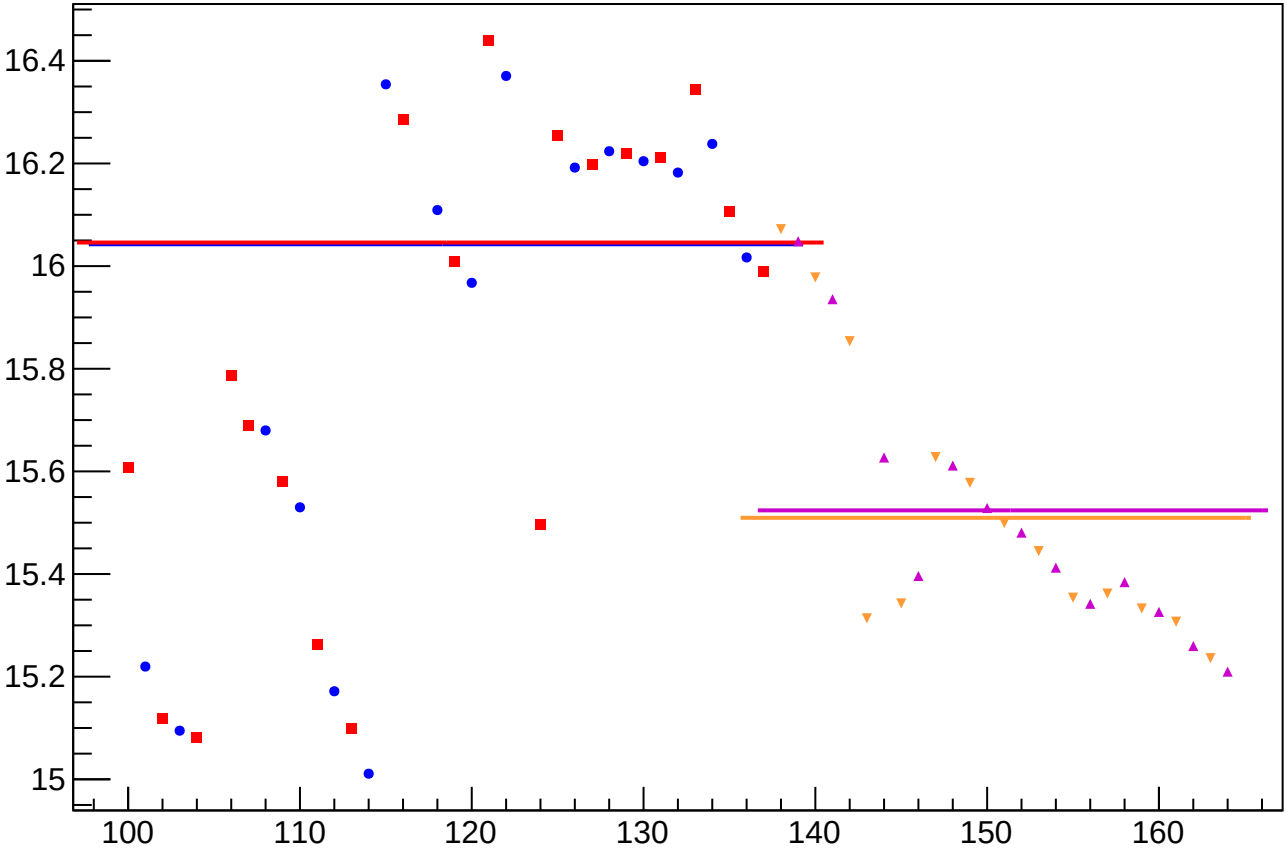
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2466.623+/-0.413 χ^2/NDF:430039.8/28

Out: 2456.343+/-0.405 χ^2/NDF:412739.3/32

All: 2461.376+/-0.289 χ^2/NDF: 843095.0/61

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.510+/-0.000 χ^2/NDF:6707420753.8/13

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.524+/-0.000 χ^2/NDF:5208066333.4/12

Left: 15.517+/-0.000 χ^2/NDF: 11924637153.8/26

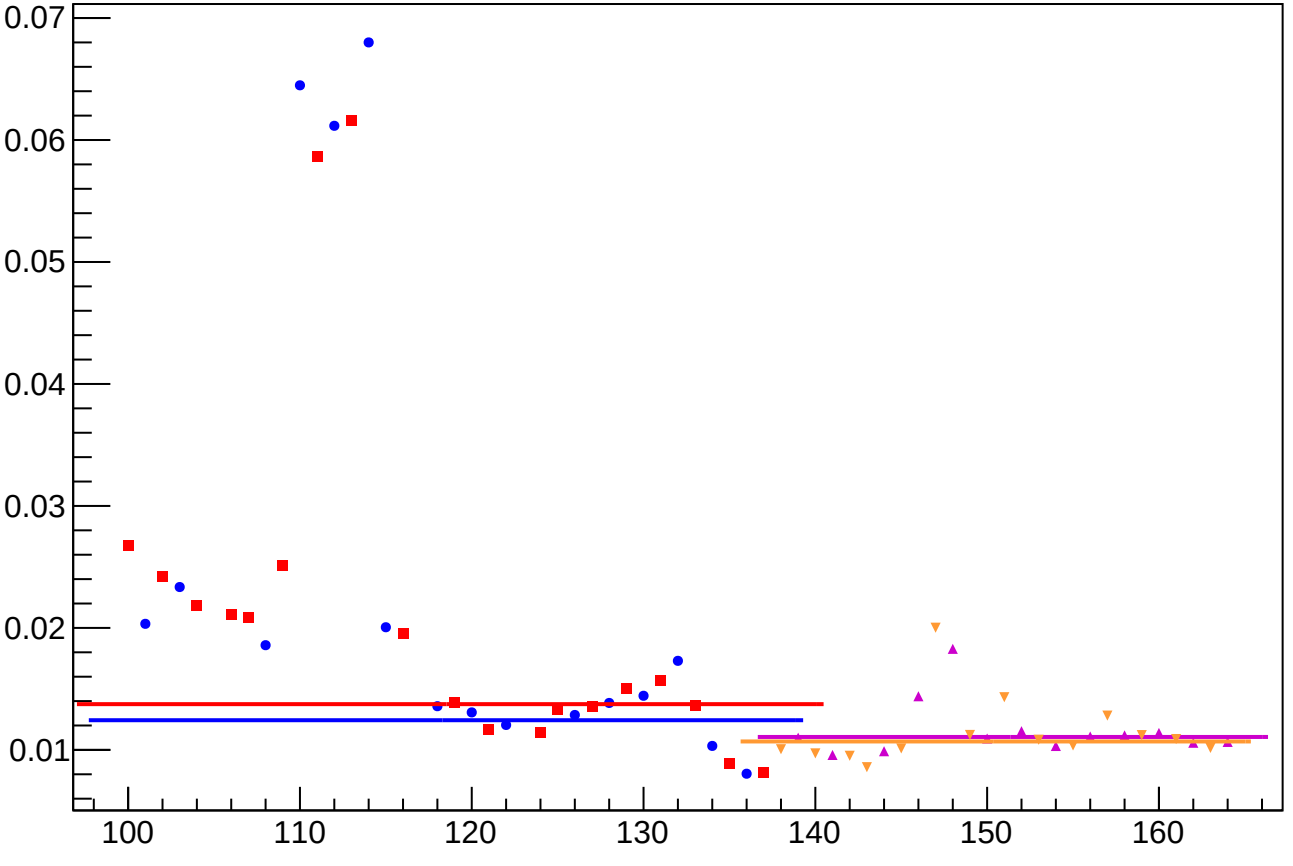
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.679+/-0.000 χ^2/NDF:14753306694.6/28

Out: 15.644+/-0.000 χ^2/NDF:16752863501.1/32

All: 15.661+/-0.000 χ^2/NDF: 31583113593.1

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:635304.0/13

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:414557.2/12

Left: 0.011+/-0.000 χ^2/NDF: 1061651.2/26

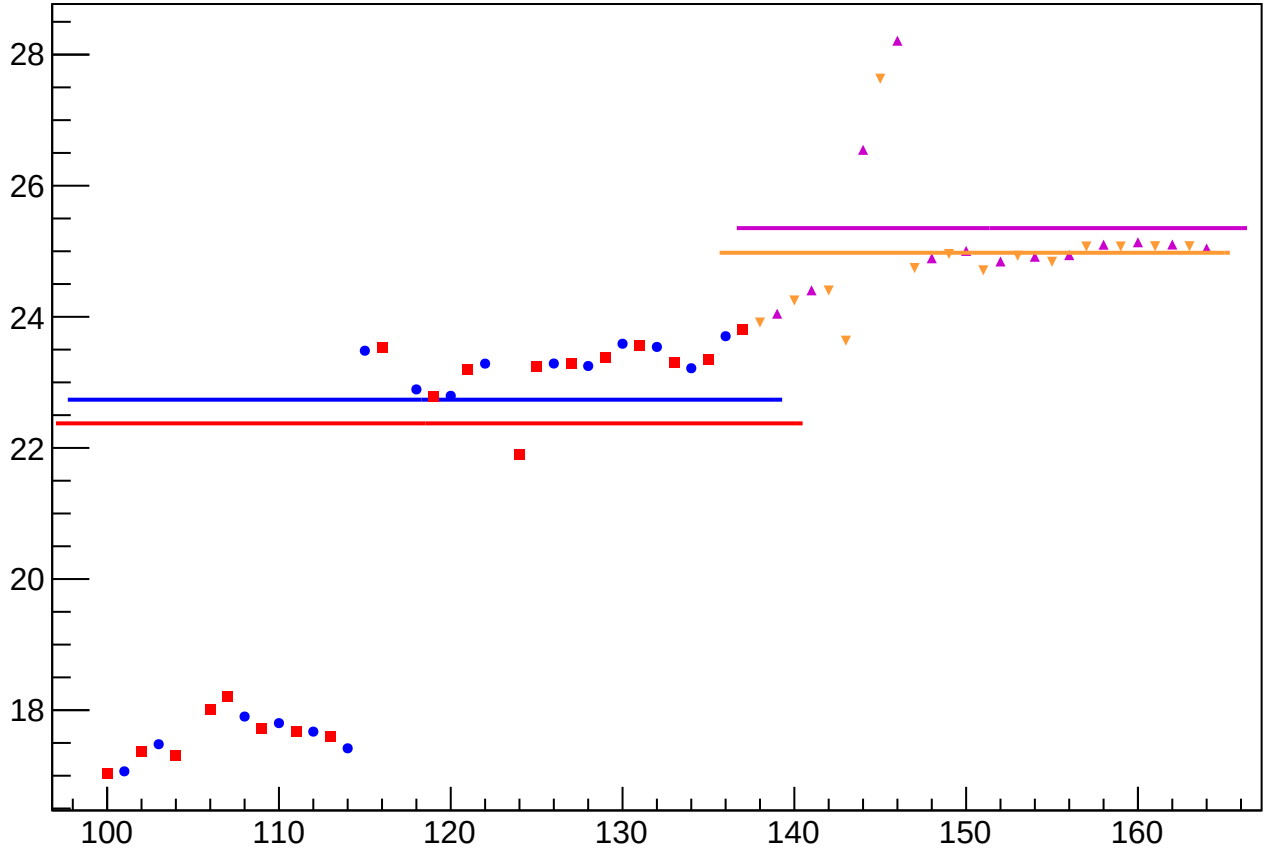
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:2825305.9/28

Out: 0.011+/-0.000 χ^2/NDF:3288222.3/32

All: 0.011+/-0.000 χ^2/NDF: 6113557.5/61

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.977+/-0.000 χ^2/NDF:765849510.7/13

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.353+/-0.000 χ^2/NDF:691721725.7/12

Left: 25.159+/-0.000 χ^2/NDF: 1505825566.6/26

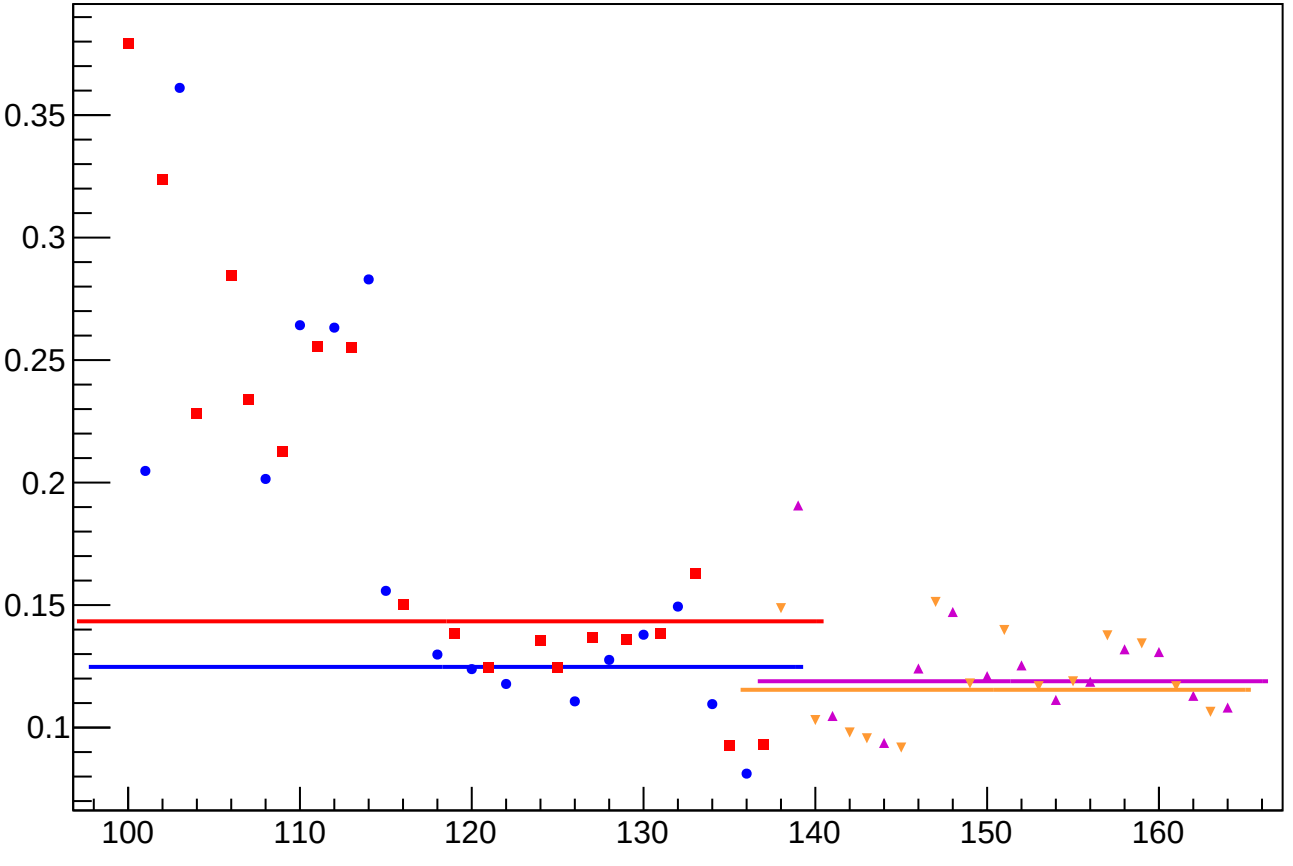
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.458+/-0.000 χ^2/NDF:3460482935.6/28

Out: 24.239+/-0.000 χ^2/NDF:3337986621.6/32

All: 24.350+/-0.000 χ^2/NDF: 6822196155.1/6

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.115+/-0.000 χ^2/NDF:465135.9/13

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.119+/-0.000 χ^2/NDF:483550.5/12

Left: 0.117+/-0.000 χ^2/NDF: 957022.6/26

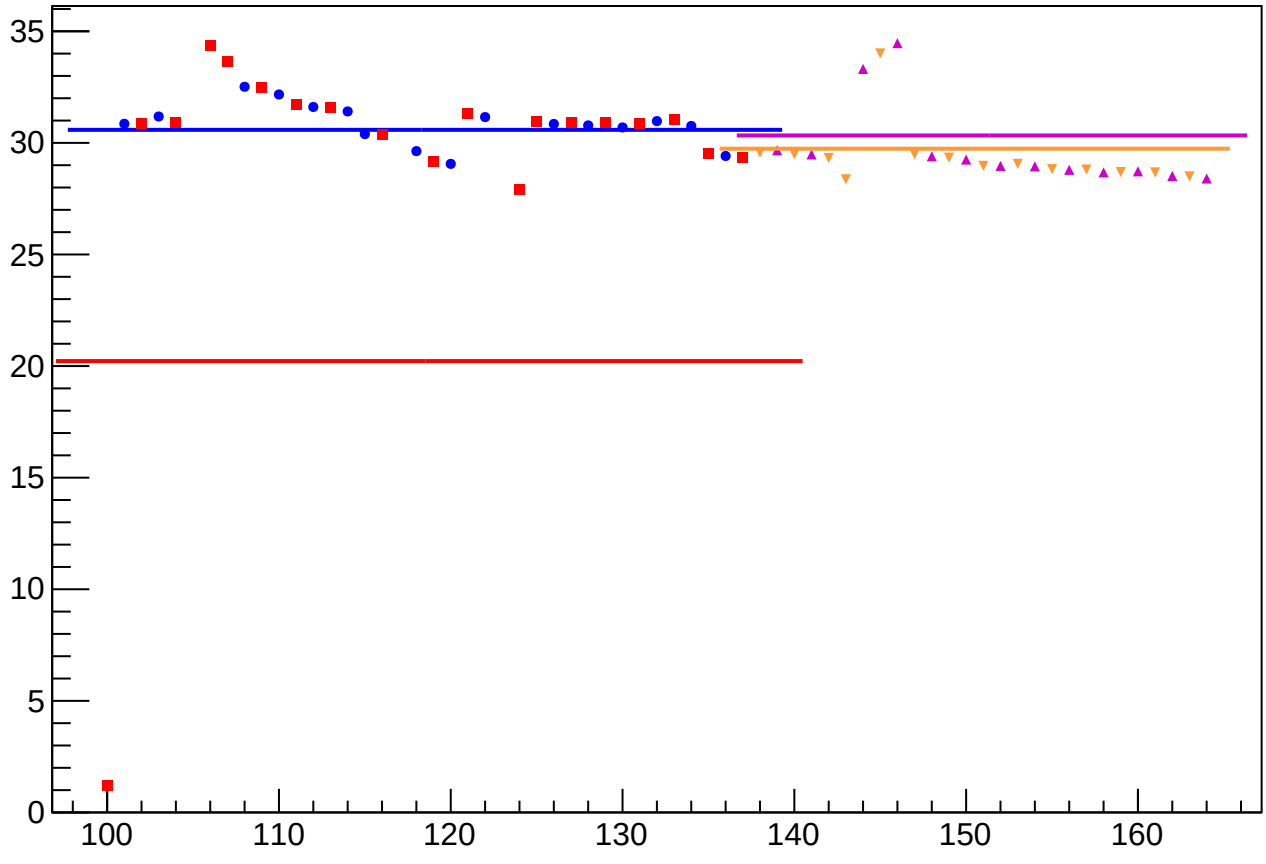
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.121+/-0.000 χ^2/NDF:2248832.0/28

Out: 0.123+/-0.000 χ^2/NDF:2348126.3/32

All: 0.122+/-0.000 χ^2/NDF: 4602824.3/61

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 29.740+/-0.000 χ^2/NDF:6272633919.5/13

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 30.333+/-0.000 χ^2/NDF:9332805268.3/12

Left: 30.041+/-0.000 χ^2/NDF: 15924740878.5/26

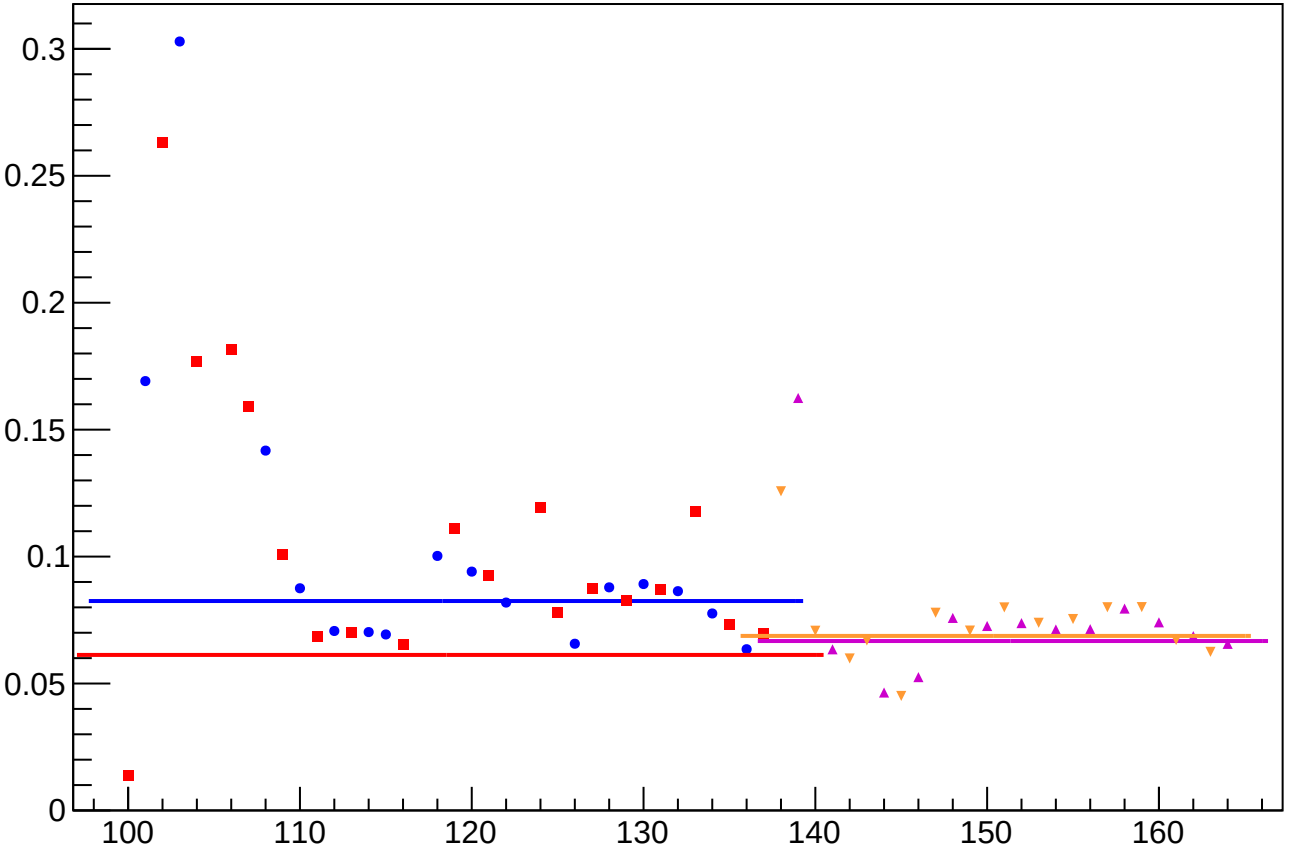
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.408+/-0.000 χ^2/NDF:10019419107.2/28

Out: 26.133+/-0.000 χ^2/NDF:288722118828.8/32

All: 28.171+/-0.000 χ^2/NDF: 323749225742.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:729256.2/13

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.067+/-0.000 χ^2/NDF:1013050.7/12

Left: 0.068+/-0.000 χ^2/NDF: 1749667.5/26

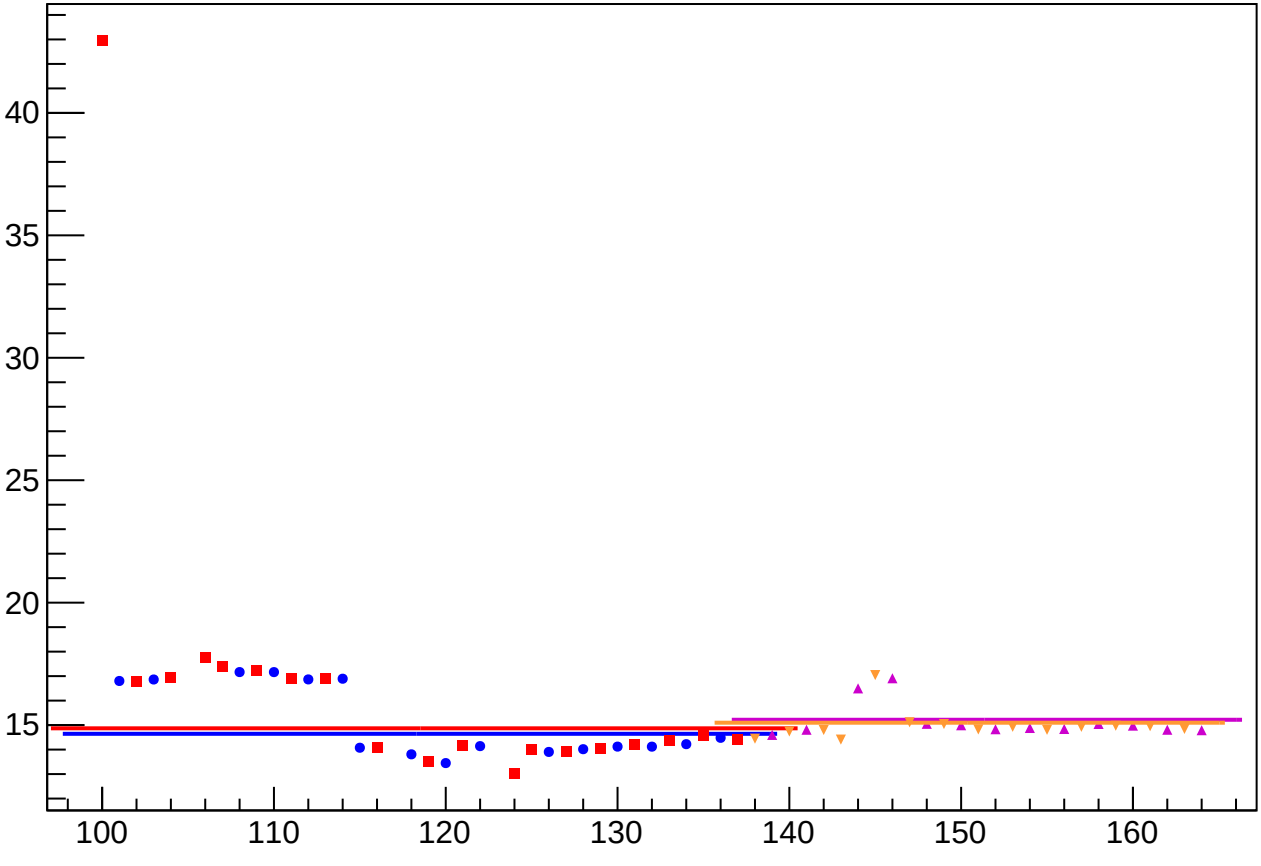
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.071+/-0.000 χ^2/NDF:2545200.0/28

Out: 0.066+/-0.000 χ^2/NDF:4819388.8/32

All: 0.069+/-0.000 χ^2/NDF: 7446980.1/61

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.098+/-0.000 χ^2/NDF:1015596648.1/13

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.218+/-0.000 χ^2/NDF:942902393.3/12

Left: 15.157+/-0.000 χ^2/NDF: 1972705972.7/26

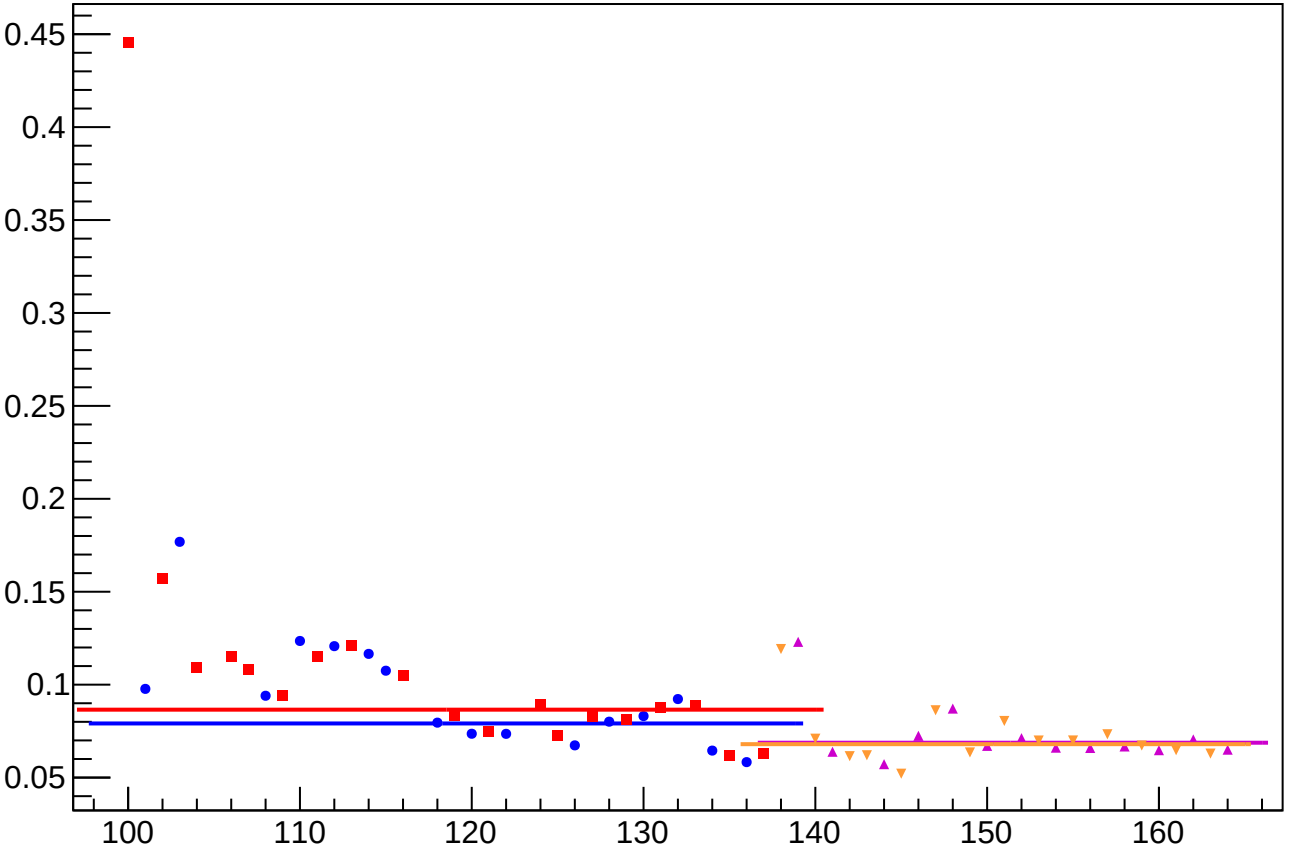
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.031+/-0.000 χ^2/NDF:2344929721.4/28

Out: 15.031+/-0.000 χ^2/NDF:2776307549.0/32

All: 15.031+/-0.000 χ^2/NDF: 5121237304.4/6

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.068+/-0.000 χ^2/NDF:532415.2/13

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.069+/-0.000 χ^2/NDF:472904.9/12

Left: 0.068+/-0.000 χ^2/NDF: 1006515.2/26

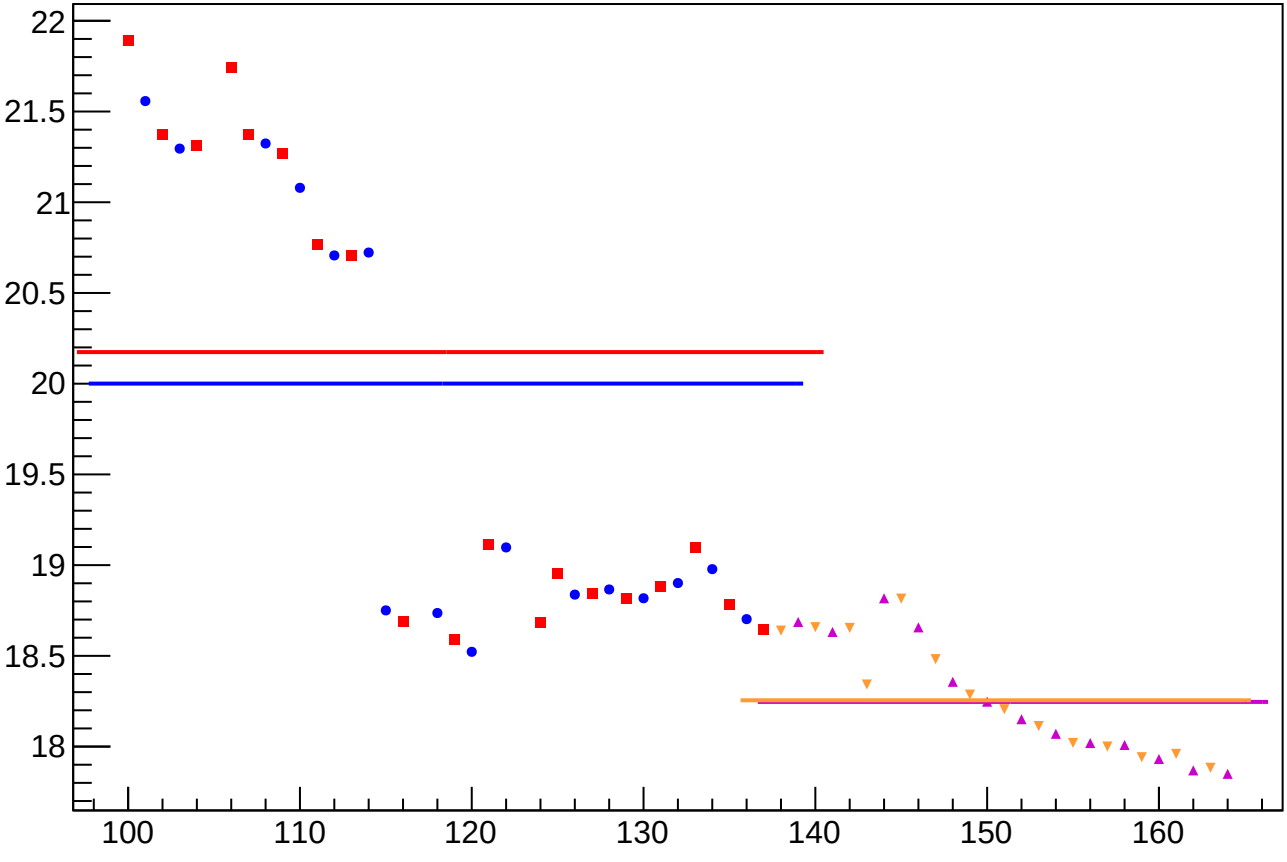
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.072+/-0.000 χ^2/NDF:1527139.6/28

Out: 0.073+/-0.000 χ^2/NDF:1726904.9/32

All: 0.073+/-0.000 χ^2/NDF: 3258457.0/61

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.255+/-0.000 χ^2/NDF:957879554.0/13

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.246+/-0.000 χ^2/NDF:1019952583.7/12

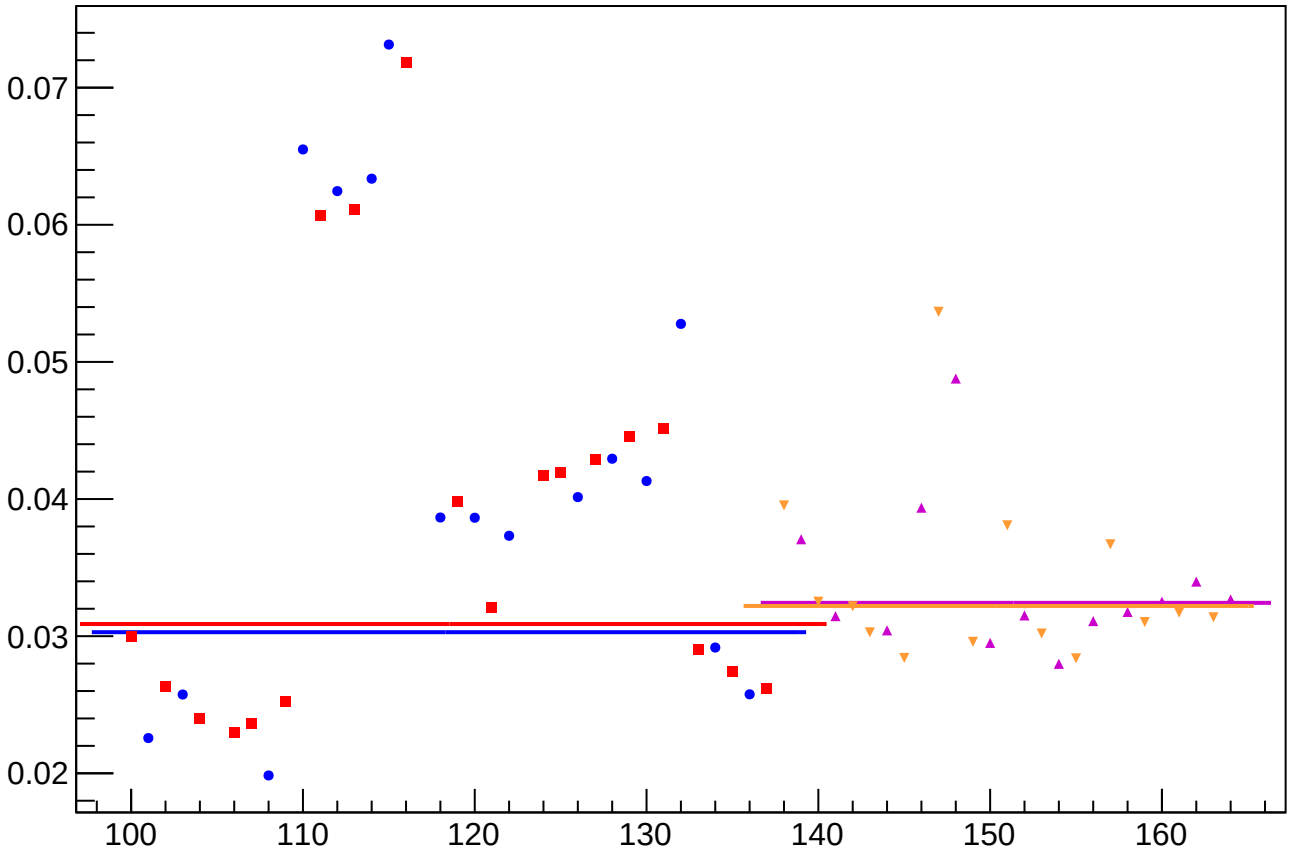
Left: 18.251+/-0.000 χ^2/NDF: 1978227938.2/26

Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.945+/-0.000 χ^2/NDF:23937891921.8/28

Out: 19.007+/-0.000 χ^2/NDF:25989740424.0/32

All: 18.976+/-0.000 χ^2/NDF: 49959462287.1



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:454038.0/13

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.032+/-0.000 χ^2/NDF:332118.9/12

Left: 0.032+/-0.000 χ^2/NDF: 786668.0/26

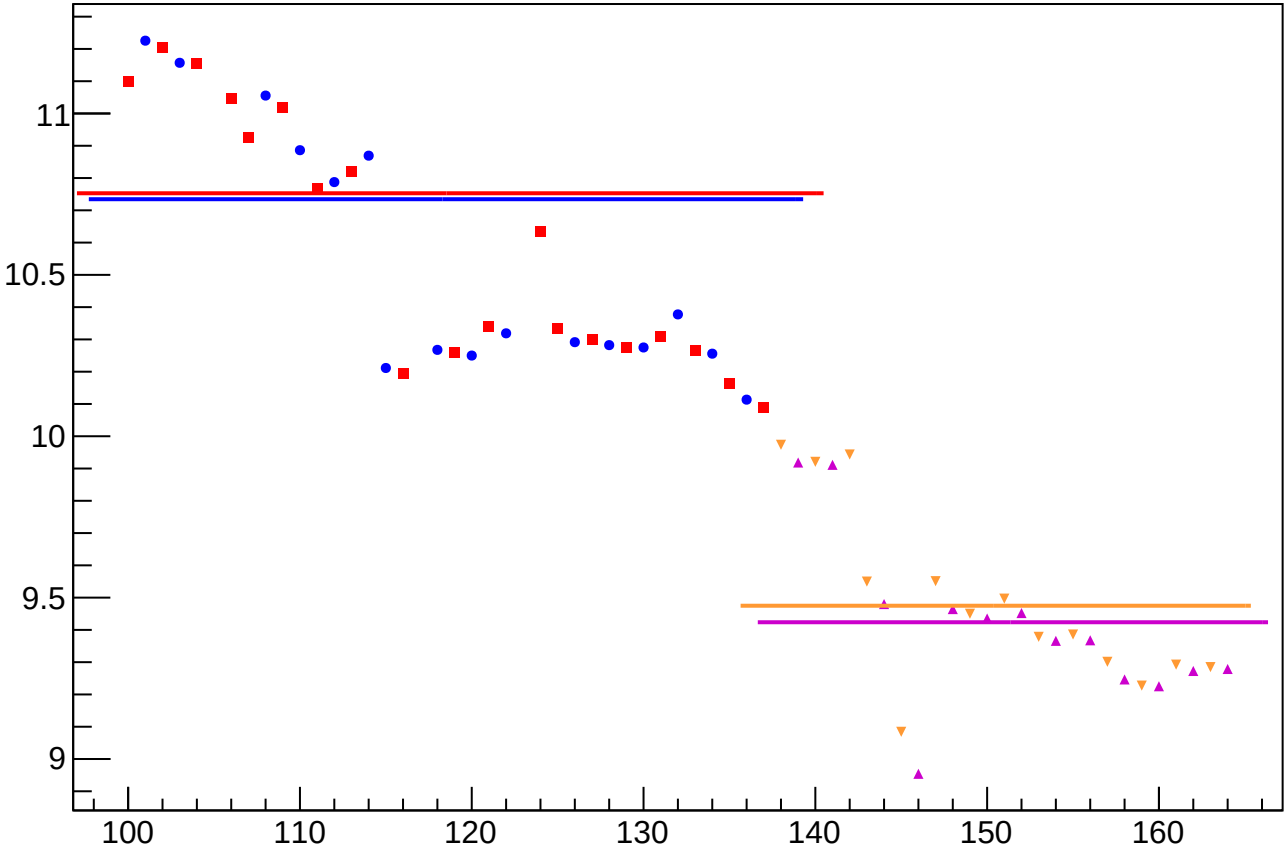
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.032+/-0.000 χ^2/NDF:1815308.9/28

Out: 0.032+/-0.000 χ^2/NDF:1672521.3/32

All: 0.032+/-0.000 χ^2/NDF: 3488028.4/61

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.475+/-0.000 χ^2/NDF:1757265266.8/13

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.424+/-0.000 χ^2/NDF:1356484224.3/12

Left: 9.450+/-0.000 χ^2/NDF: 3146476056.2/26

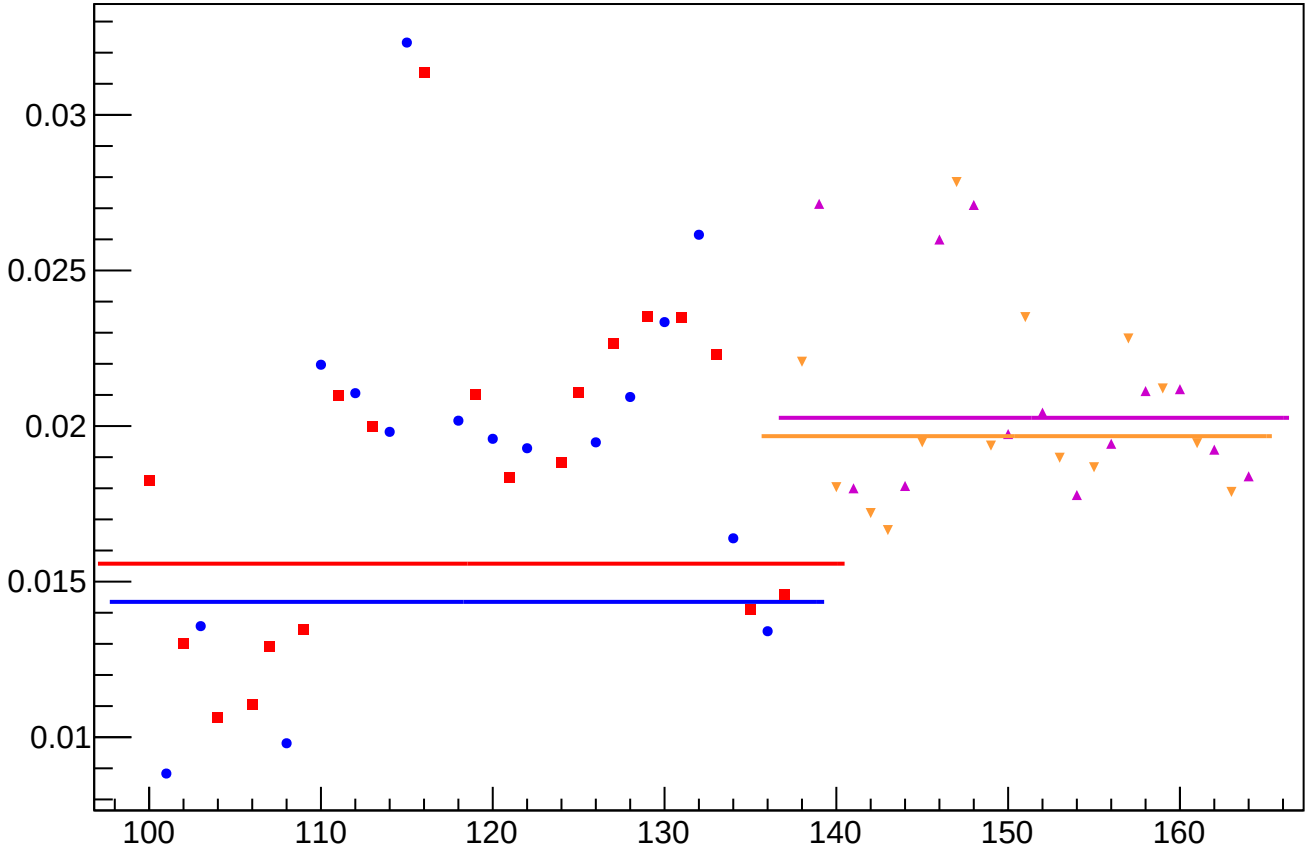
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.124+/-0.000 χ^2/NDF:29333081590.7/28

Out: 10.108+/-0.000 χ^2/NDF:27116976371.1/32

All: 10.116+/-0.000 χ^2/NDF: 56456426624.4

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:330277.6/13

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:391647.5/12

Left: 0.020+/-0.000 χ^2/NDF: 730620.2/26

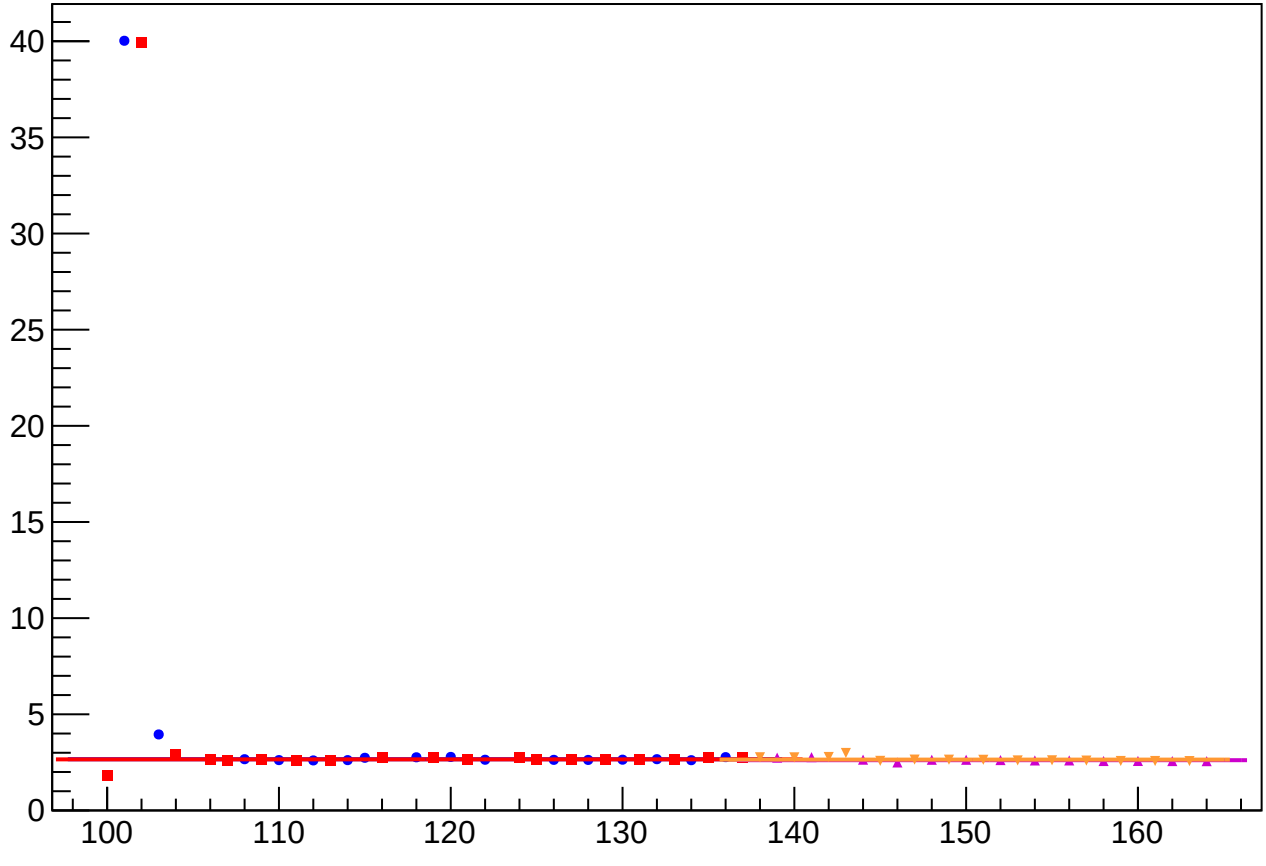
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2773613.3/28

Out: 0.018+/-0.000 χ^2/NDF:1834502.1/32

All: 0.017+/-0.000 χ^2/NDF: 4623114.9/61

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.644+/-0.000 χ^2/NDF:19831857548.9/13

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.614+/-0.000 χ^2/NDF:8651667831.0/12

Left: 2.629+/-0.000 χ^2/NDF: 29282830709.1/26

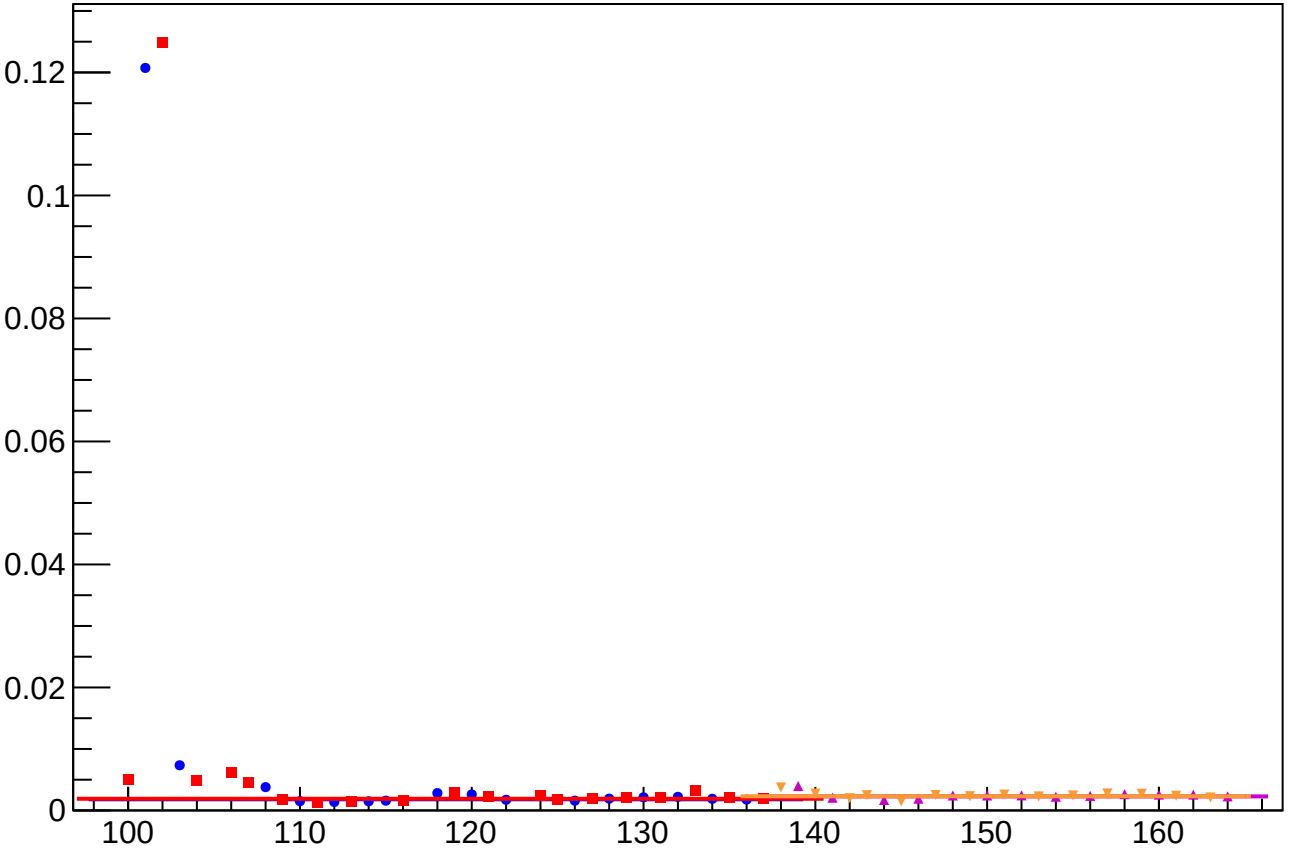
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.637+/-0.000 χ^2/NDF:78440781710.2/28

Out: 2.650+/-0.000 χ^2/NDF:84998546013.7/32

All: 2.643+/-0.000 χ^2/NDF: 163708967230.1

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:747906.2/13

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:606711.3/12

Left: 0.002+/-0.000 χ^2/NDF: 1355304.3/26

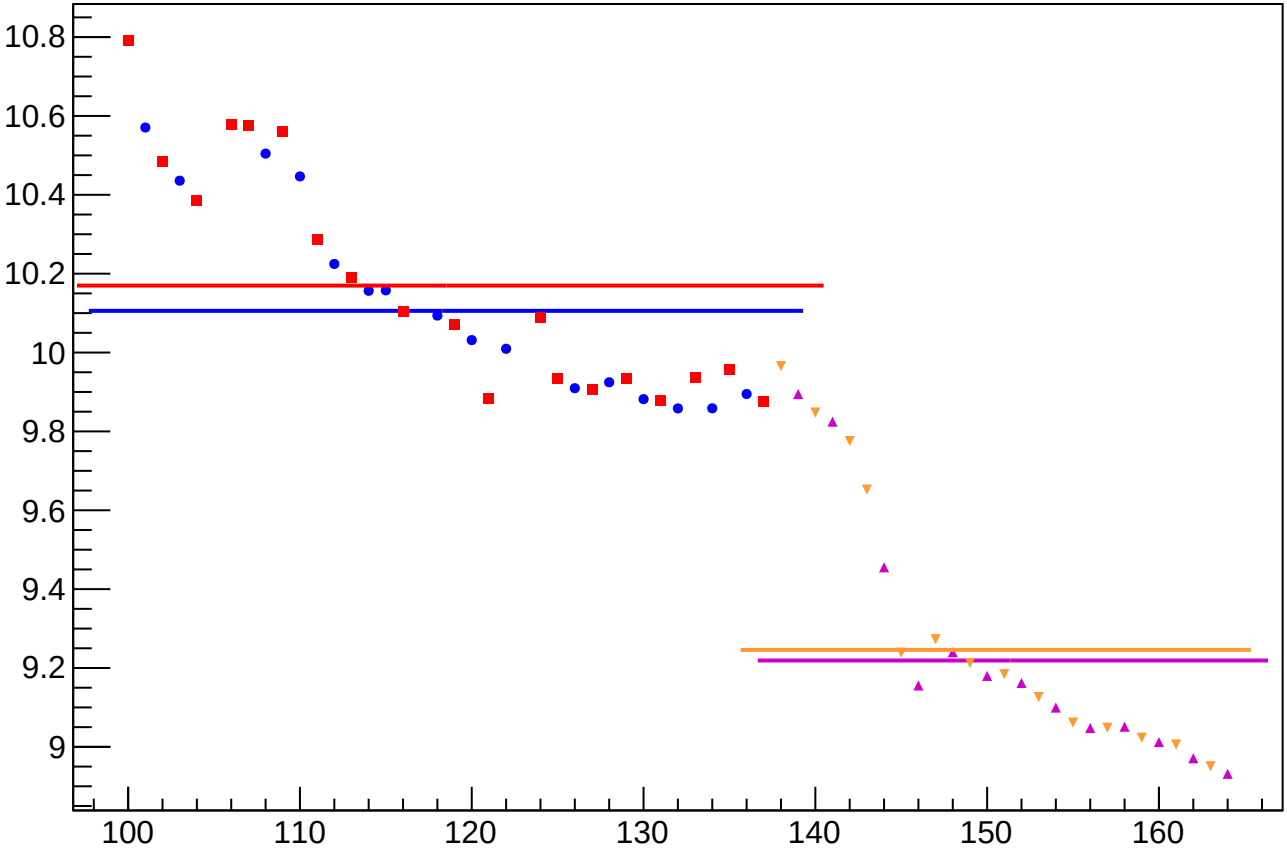
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2775414.6/28

Out: 0.002+/-0.000 χ^2/NDF:3526803.4/32

All: 0.002+/-0.000 χ^2/NDF: 6310806.7/61

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.246+/-0.000 χ^2/NDF:17829718122.0/13

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.219+/-0.000 χ^2/NDF:15075498949.1/12

Left: 9.233+/-0.000 χ^2/NDF: 32984271418.9/26

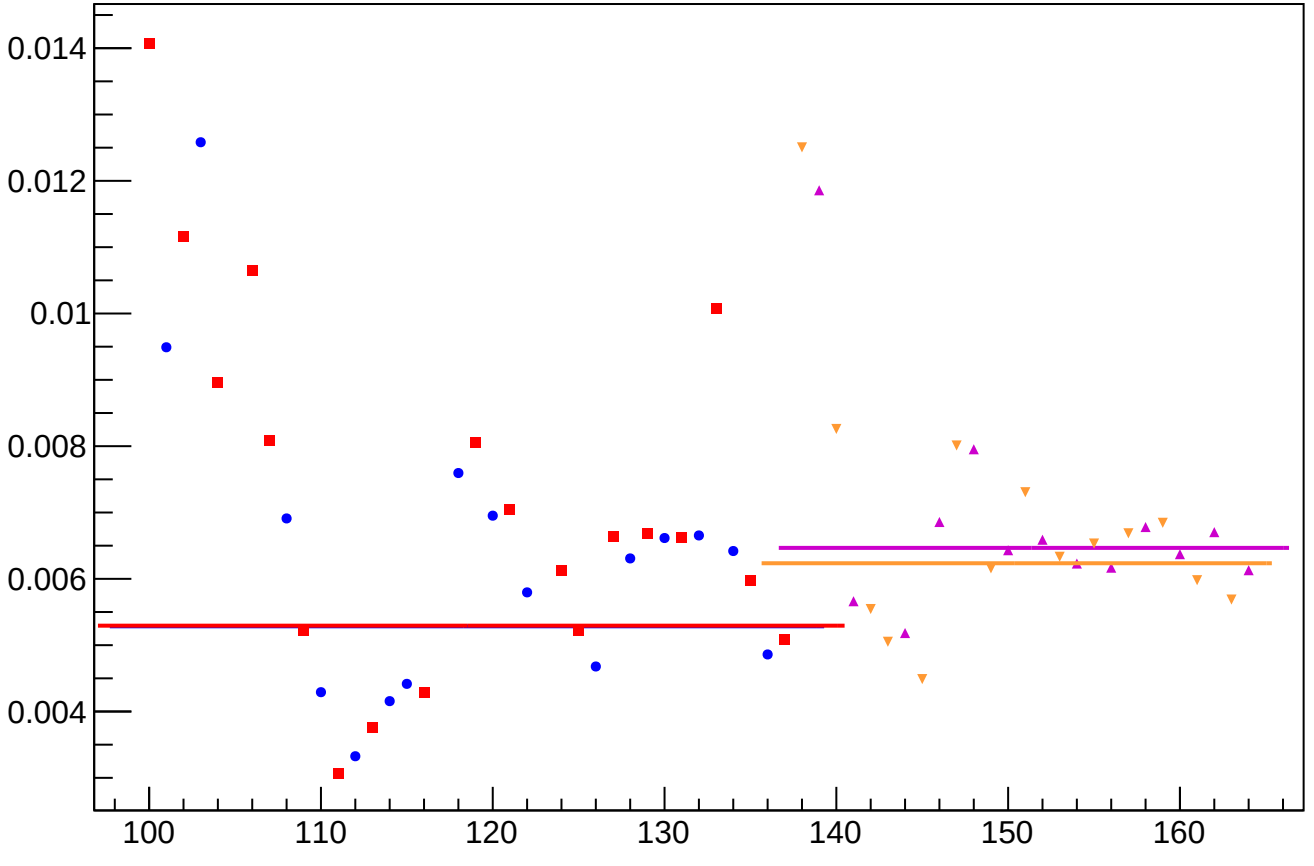
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.644+/-0.000 χ^2/NDF:103398287283.9/28

Out: 9.675+/-0.000 χ^2/NDF:116916213431.9/32

All: 9.660+/-0.000 χ^2/NDF: 220515708558.0

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:817711.6/13

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:500356.7/12

Left: 0.006+/-0.000 χ^2/NDF: 1329772.3/26

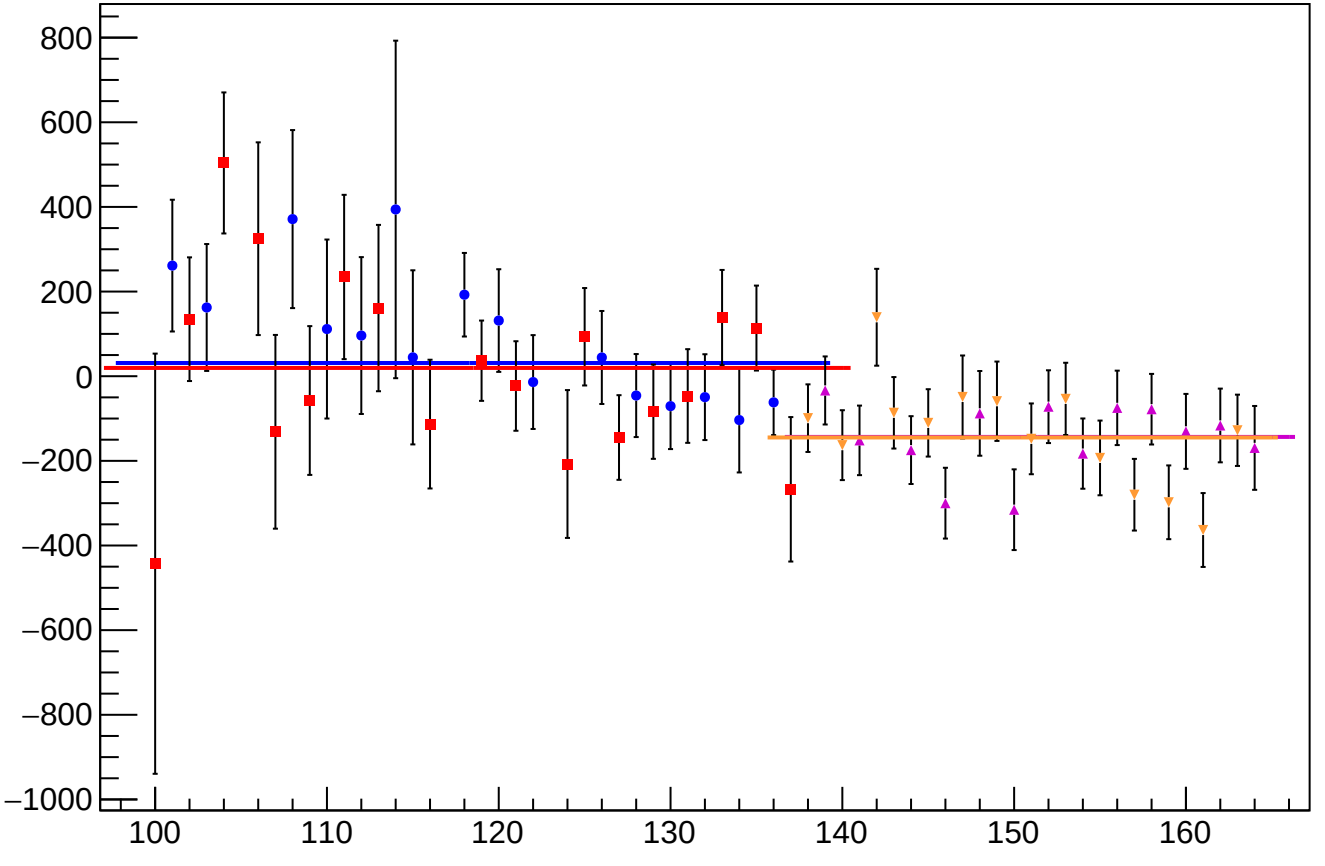
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2056025.6/28

Out: 0.006+/-0.000 χ^2/NDF:2796631.6/32

All: 0.006+/-0.000 χ^2/NDF: 4856982.2/61

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -144.743+/-23.262 χ^2/NDF:22.4/13

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -143.433+/-24.070 χ^2/NDF:11.4/12

Left: -144.110+/-16.727 χ^2/NDF: 33.8/26

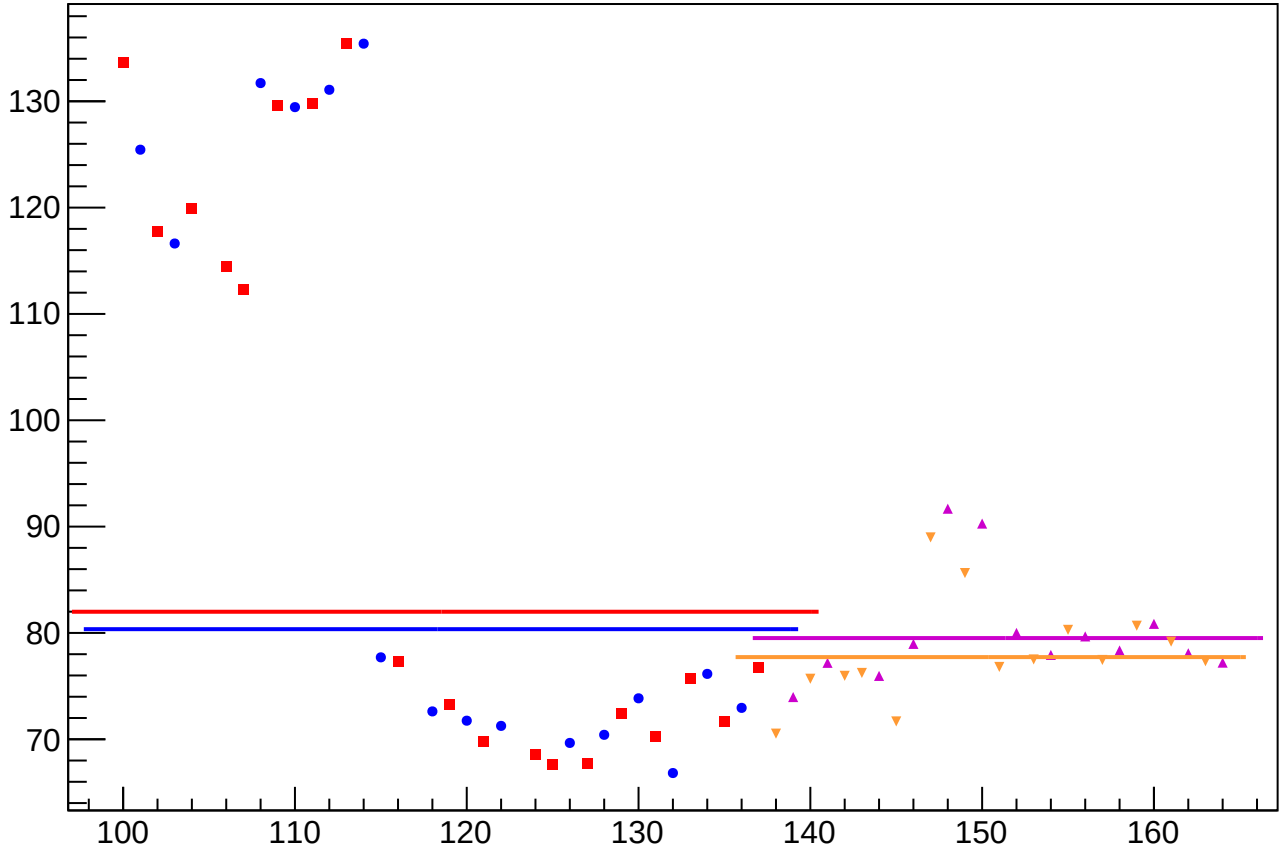
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -77.162+/-18.962 χ^2/NDF:46.5/28

Out: -85.692+/-18.619 χ^2/NDF:66.2/32

All: -81.505+/-13.285 χ^2/NDF: 112.8/61

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.727+/-0.016 χ^2/NDF:75570.3/13

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.517+/-0.017 χ^2/NDF:73482.7/12

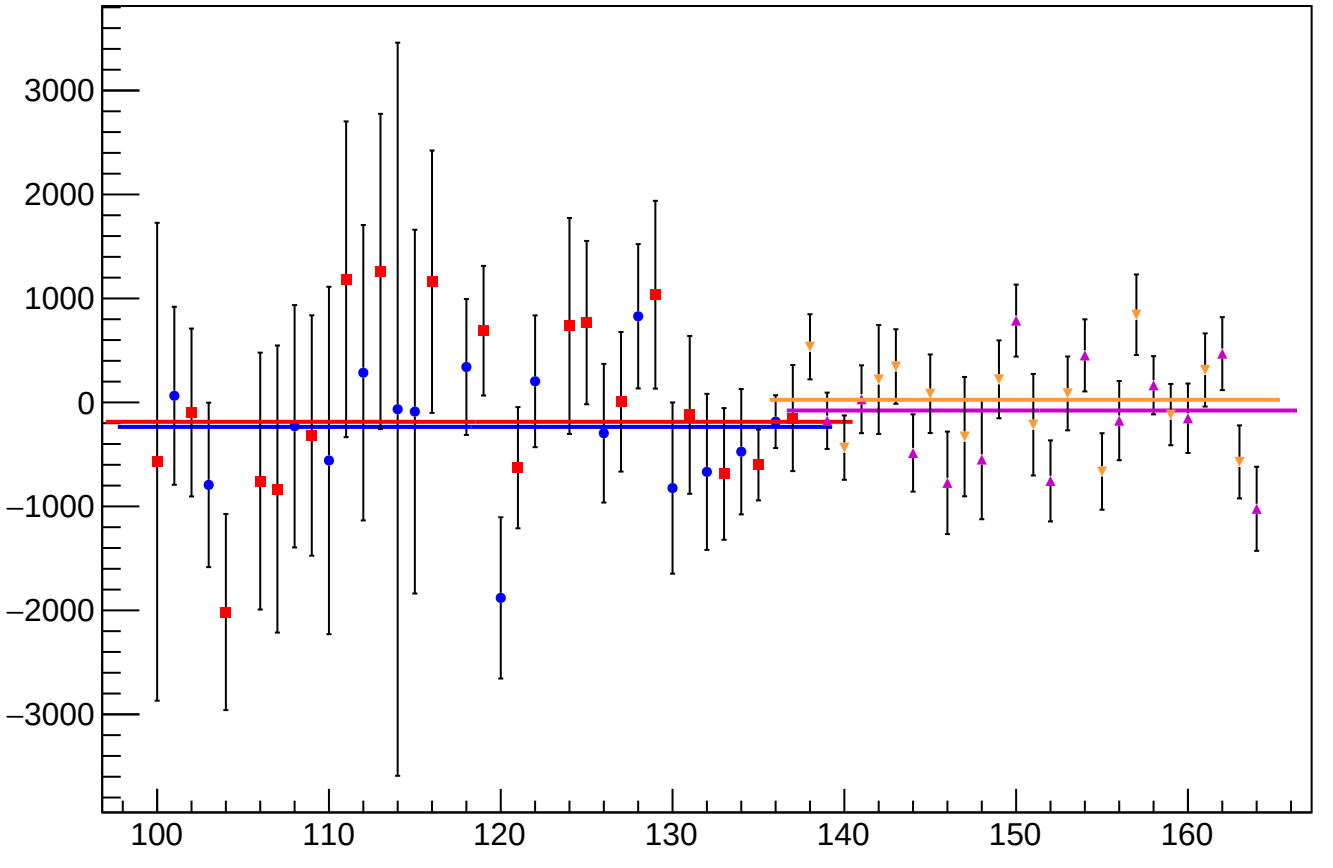
Left: 78.592+/-0.012 χ^2/NDF: 154770.7/26

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.835+/-0.013 χ^2/NDF:914439.5/28

Out: 79.260+/-0.013 χ^2/NDF:1032076.4/32

All: 79.542+/-0.009 χ^2/NDF: 1947450.0/61



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 25.269+/-98.483 χ^2/NDF:18.5/13

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -77.786+/-98.299 χ^2/NDF:24.5/12

Left: -26.354+/-69.573 χ^2/NDF: 43.5/26

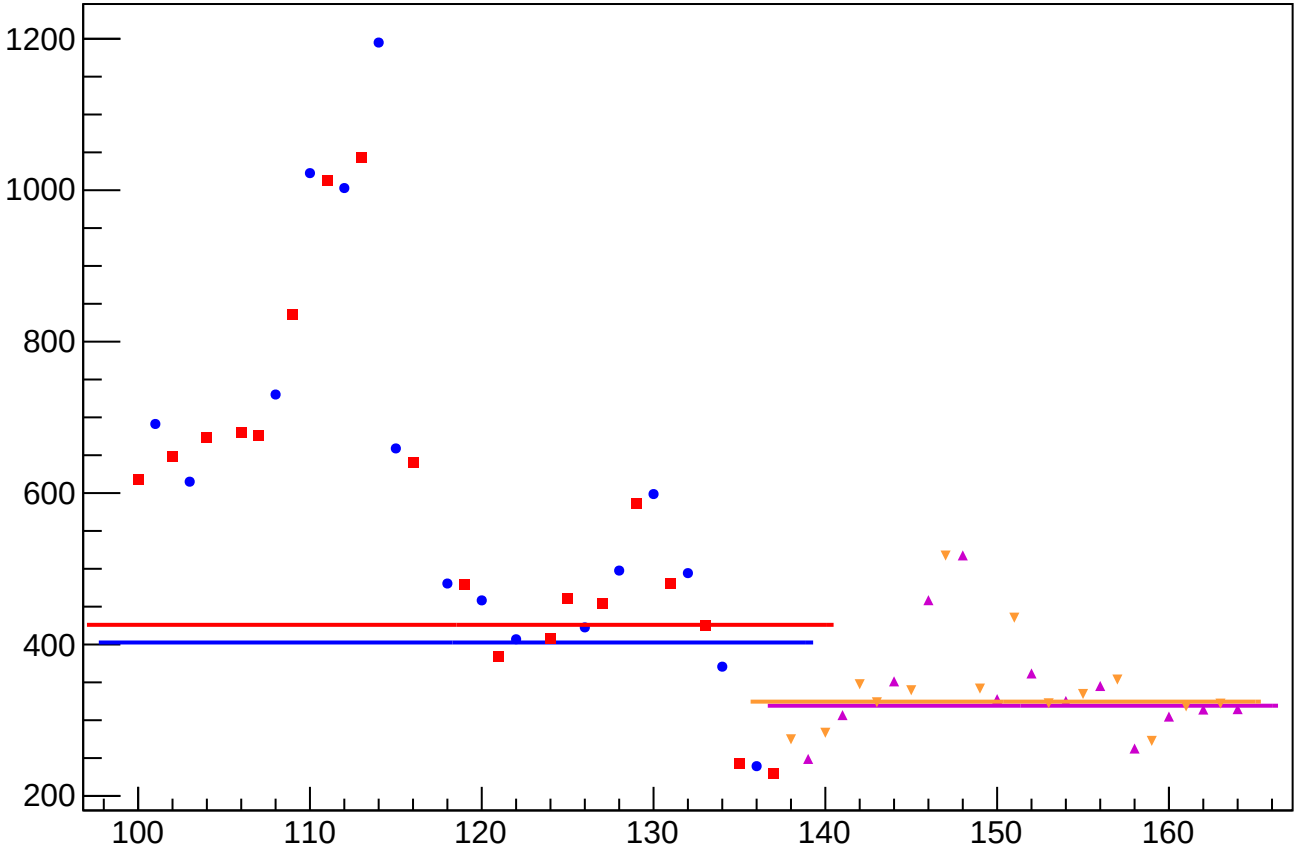
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -119.564+/-84.282 χ^2/NDF:35.1/28

Out: -27.788+/-85.266 χ^2/NDF:35.6/32

All: -74.209+/-59.941 χ^2/NDF: 71.3/61

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 324.548+/-0.070 χ^2/NDF:501637.7/13

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 319.163+/-0.070 χ^2/NDF:672099.6/12

Left: 321.851+/-0.049 χ^2/NDF: 1176732.1/26

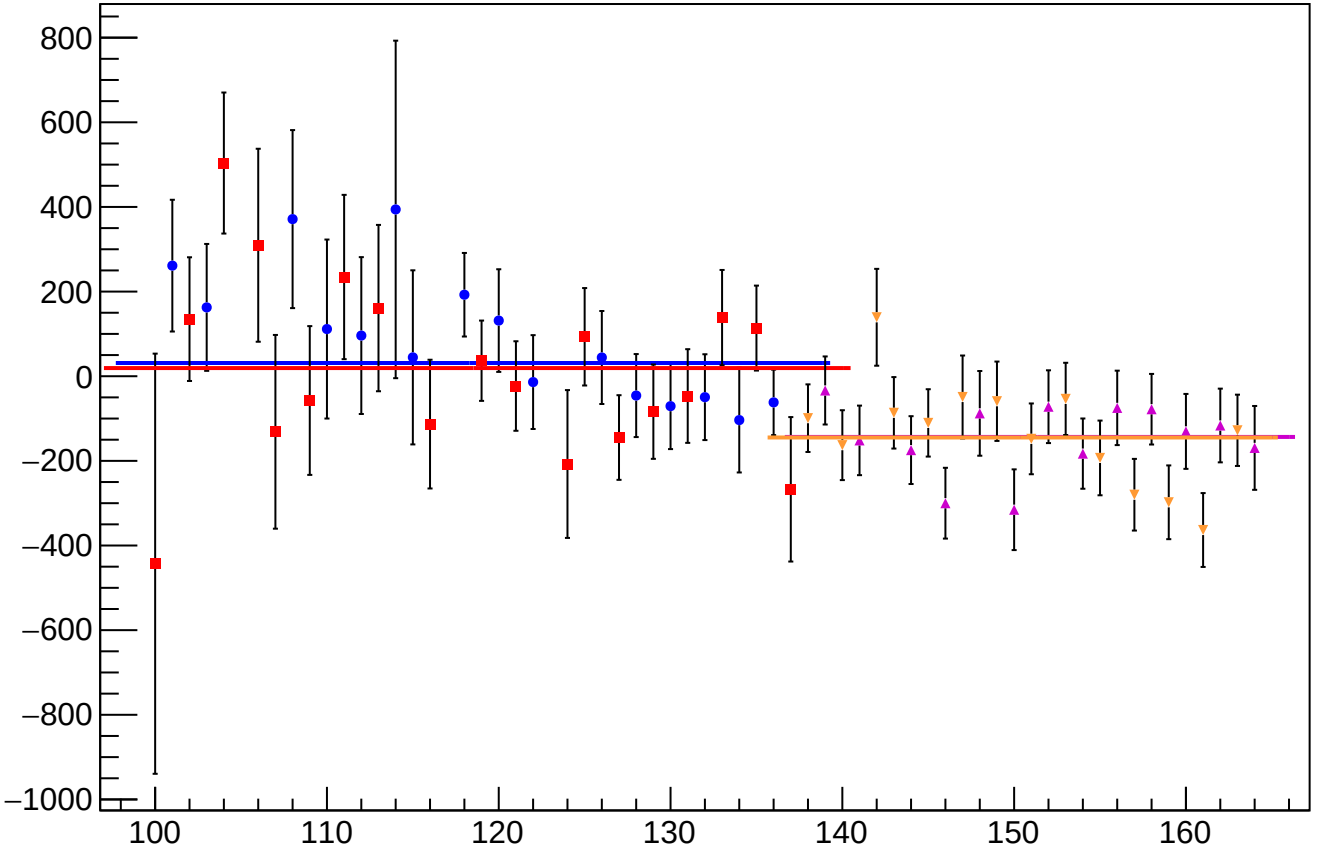
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 341.278+/-0.060 χ^2/NDF:3414371.8/28

Out: 349.947+/-0.060 χ^2/NDF:3401678.5/32

All: 345.562+/-0.042 χ^2/NDF: 6826505.9/61

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -144.739+/-23.262 χ^2/NDF:22.4/13

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -143.436+/-24.070 χ^2/NDF:11.4/12

Left: -144.110+/-16.727 χ^2/NDF: 33.8/26

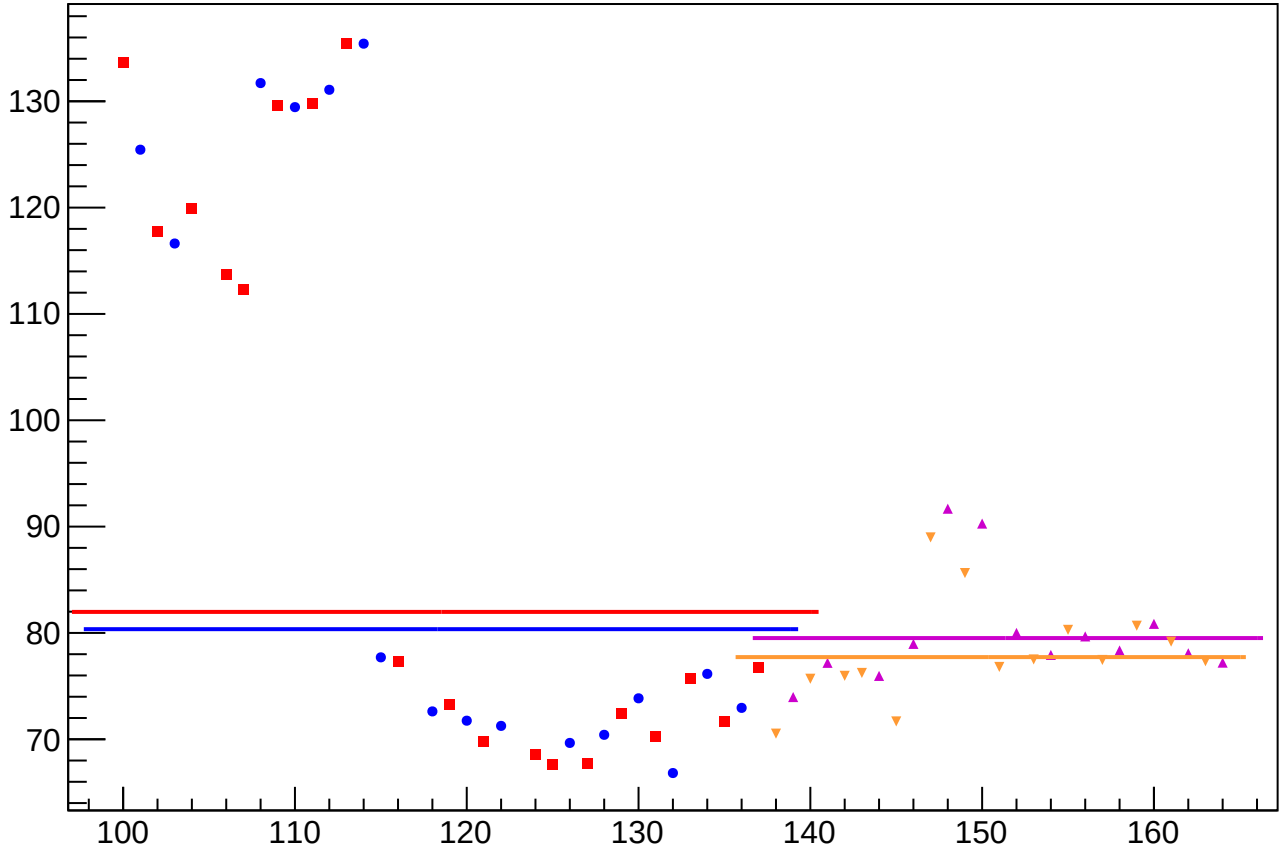
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -77.161+/-18.962 χ^2/NDF:46.5/28

Out: -85.797+/-18.619 χ^2/NDF:66.0/32

All: -81.557+/-13.285 χ^2/NDF: 112.6/61

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.727+/-0.016 χ^2/NDF:75570.3/13

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.517+/-0.017 χ^2/NDF:73482.7/12

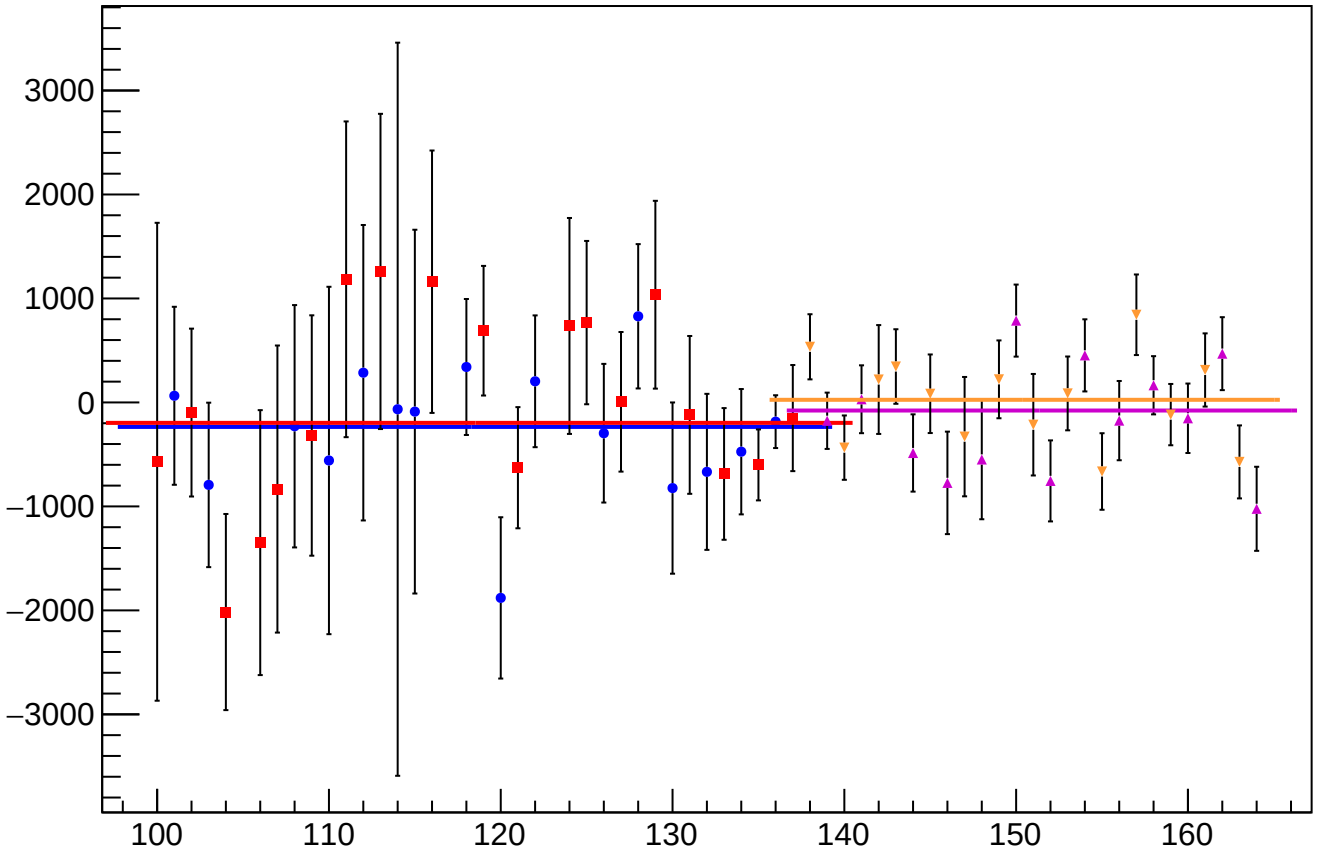
Left: 78.592+/-0.012 χ^2/NDF: 154770.7/26

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.835+/-0.013 χ^2/NDF:914439.7/28

Out: 79.255+/-0.013 χ^2/NDF:1030034.2/32

All: 79.539+/-0.009 χ^2/NDF: 1945425.8/61



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 25.271+/-98.483 χ^2/NDF:18.5/13

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -77.791+/-98.300 χ^2/NDF:24.5/12

Left: -26.356+/-69.573 χ^2/NDF: 43.5/26

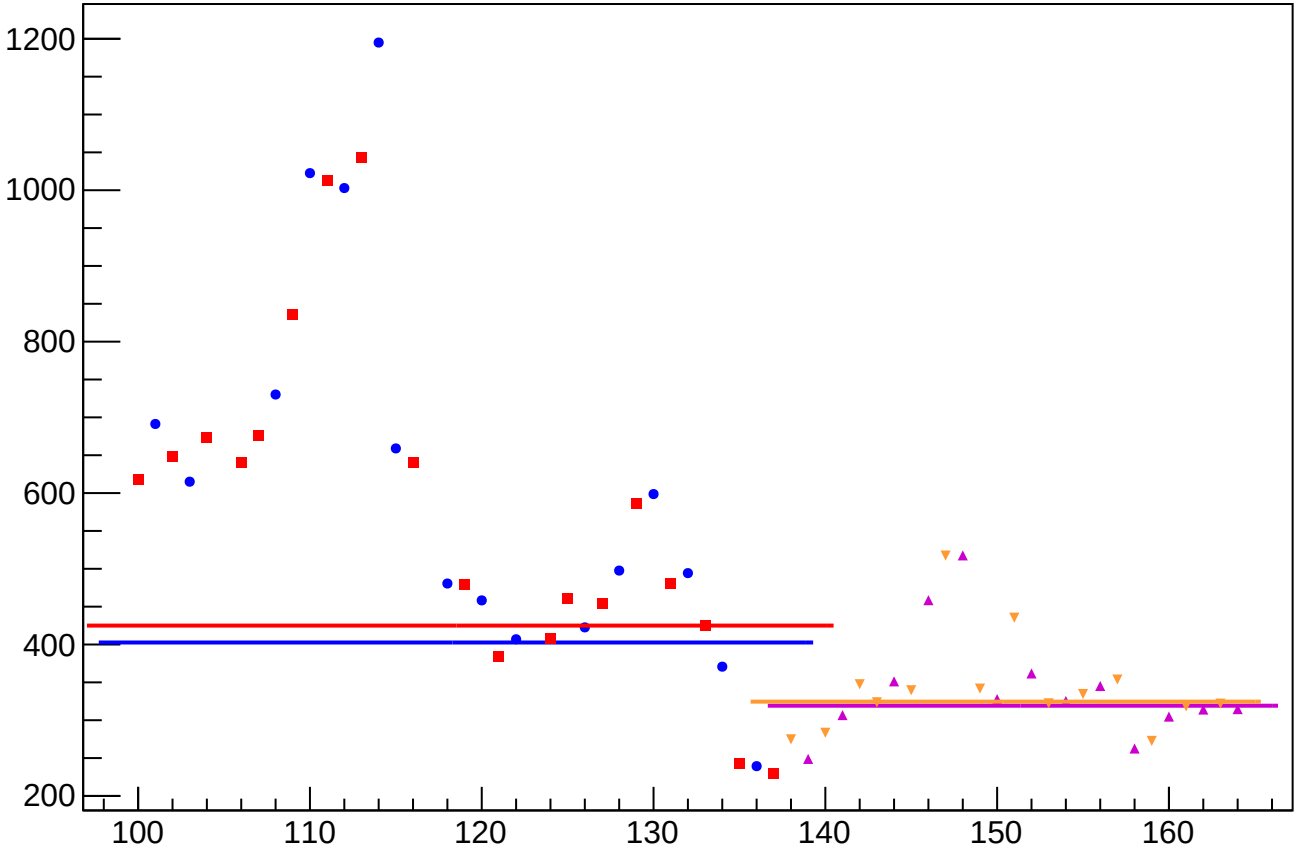
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -119.568+/-84.282 χ^2/NDF:35.1/28

Out: -30.233+/-85.278 χ^2/NDF:36.3/32

All: -75.425+/-59.945 χ^2/NDF: 72.0/61

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.548+/-0.070 χ^2/NDF:501644.9/13

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 319.164+/-0.070 χ^2/NDF:672100.2/12

Left: 321.851+/-0.049 χ^2/NDF: 1176739.5/26

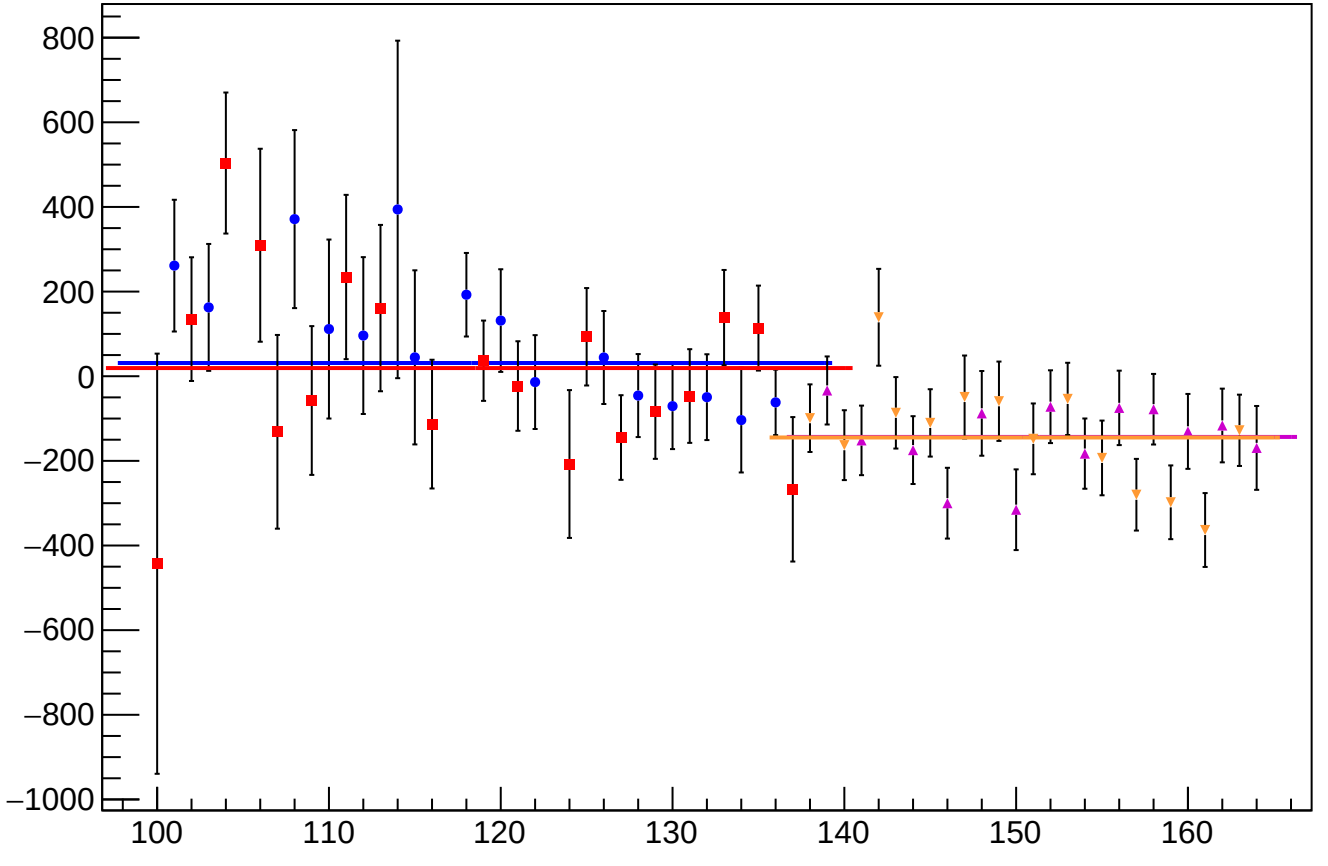
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 341.279+/-0.060 χ^2/NDF:3414367.5/28

Out: 349.677+/-0.060 χ^2/NDF:3363133.5/32

All: 345.428+/-0.042 χ^2/NDF: 6787313.0/61

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -144.739+/-23.262 χ^2/NDF:22.4/13

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -143.436+/-24.070 χ^2/NDF:11.4/12

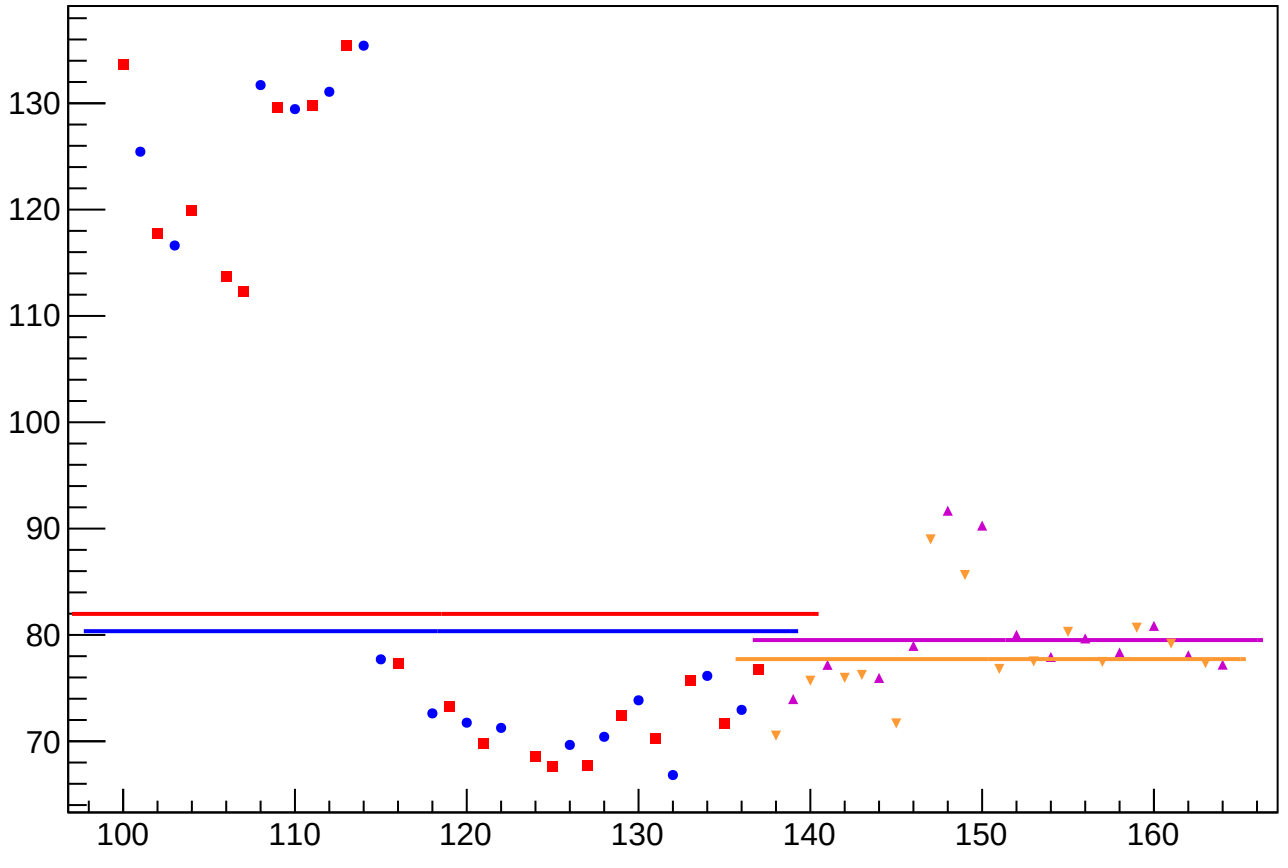
Left: -144.110+/-16.727 χ^2/NDF: 33.8/26

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -77.161+/-18.962 χ^2/NDF:46.5/28

Out: -85.797+/-18.619 χ^2/NDF:66.0/32

All: -81.557+/-13.285 χ^2/NDF: 112.6/61



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.727+/-0.016 χ^2/NDF:75570.3/13

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.517+/-0.017 χ^2/NDF:73482.7/12

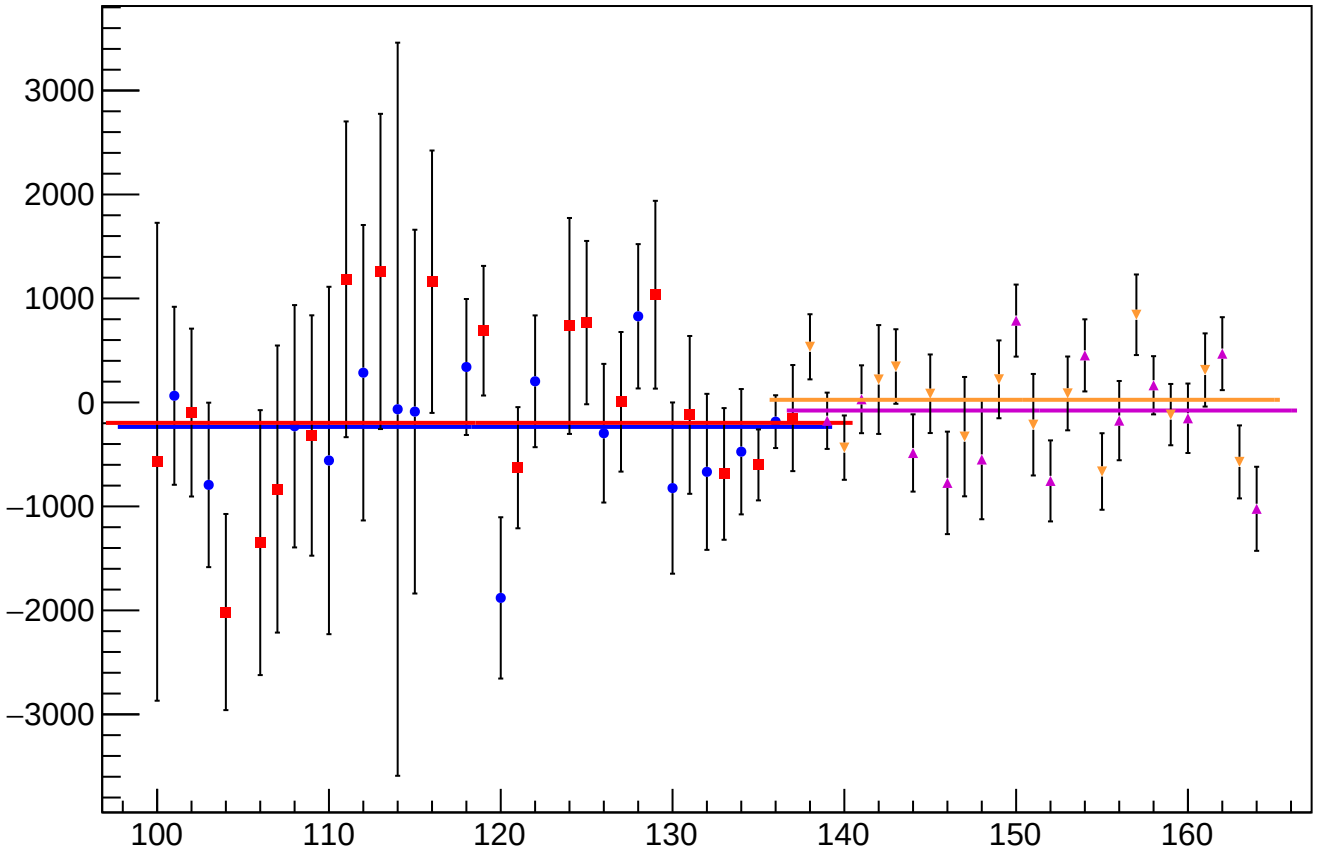
Left: 78.592+/-0.012 χ^2/NDF: 154770.7/26

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.835+/-0.013 χ^2/NDF:914439.7/28

Out: 79.255+/-0.013 χ^2/NDF:1030034.2/32

All: 79.539+/-0.009 χ^2/NDF: 1945425.8/61



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 25.271+/-98.483 χ^2/NDF:18.5/13

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -77.791+/-98.300 χ^2/NDF:24.5/12

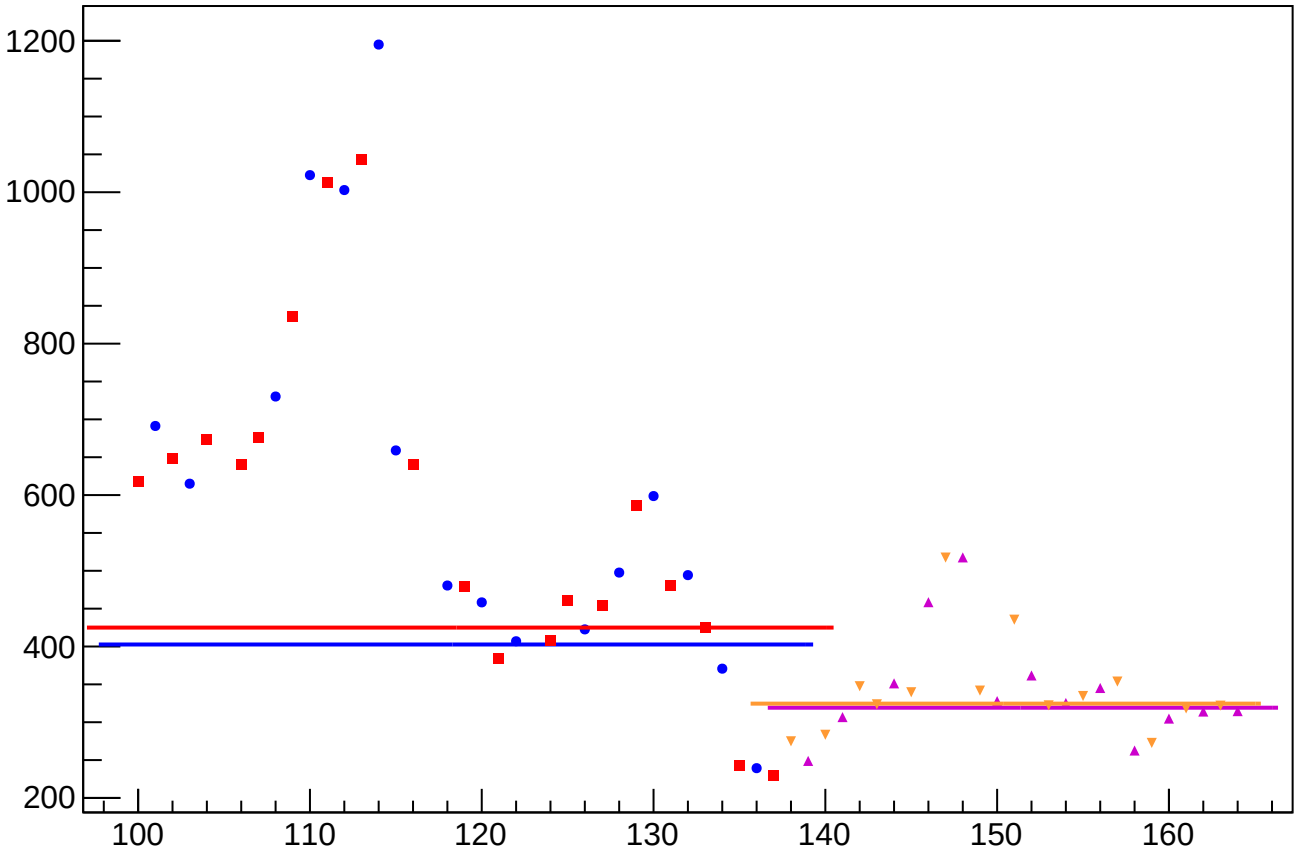
Left: -26.356+/-69.573 χ^2/NDF: 43.5/26

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -119.568+/-84.282 χ^2/NDF:35.1/28

Out: -30.233+/-85.278 χ^2/NDF:36.3/32

All: -75.425+/-59.945 χ^2/NDF: 72.0/61



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.548+/-0.070 χ^2/NDF:501644.9/13

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 319.164+/-0.070 χ^2/NDF:672100.2/12

Left: 321.851+/-0.049 χ^2/NDF: 1176739.5/26

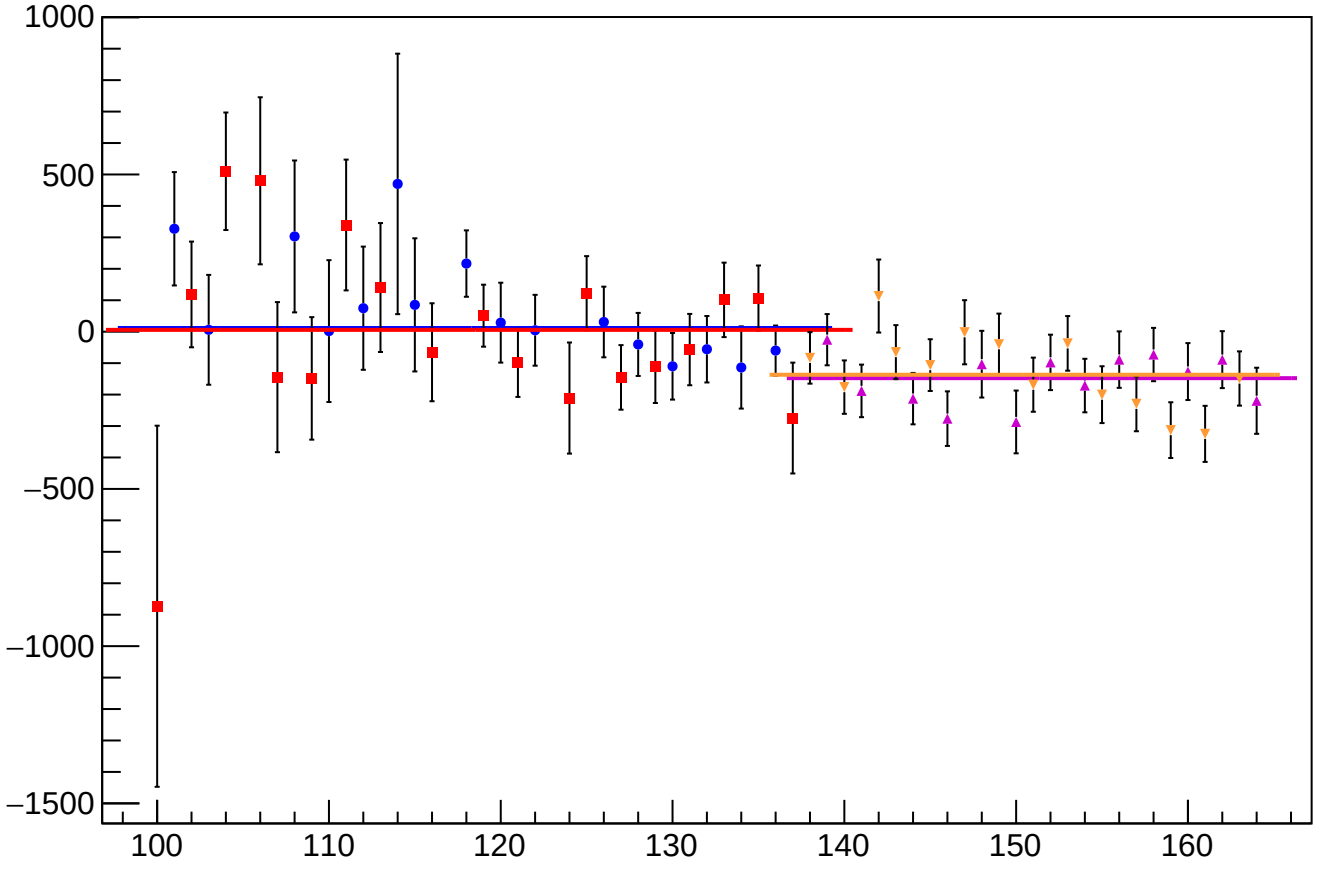
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 341.279+/-0.060 χ^2/NDF:3414367.5/28

Out: 349.677+/-0.060 χ^2/NDF:3363133.5/32

All: 345.428+/-0.042 χ^2/NDF: 6787313.0/61

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -136.930+/-23.864 χ^2/NDF:20.4/13

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -147.761+/-24.769 χ^2/NDF:10.0/12

Left: -142.144+/-17.185 χ^2/NDF: 30.5/26

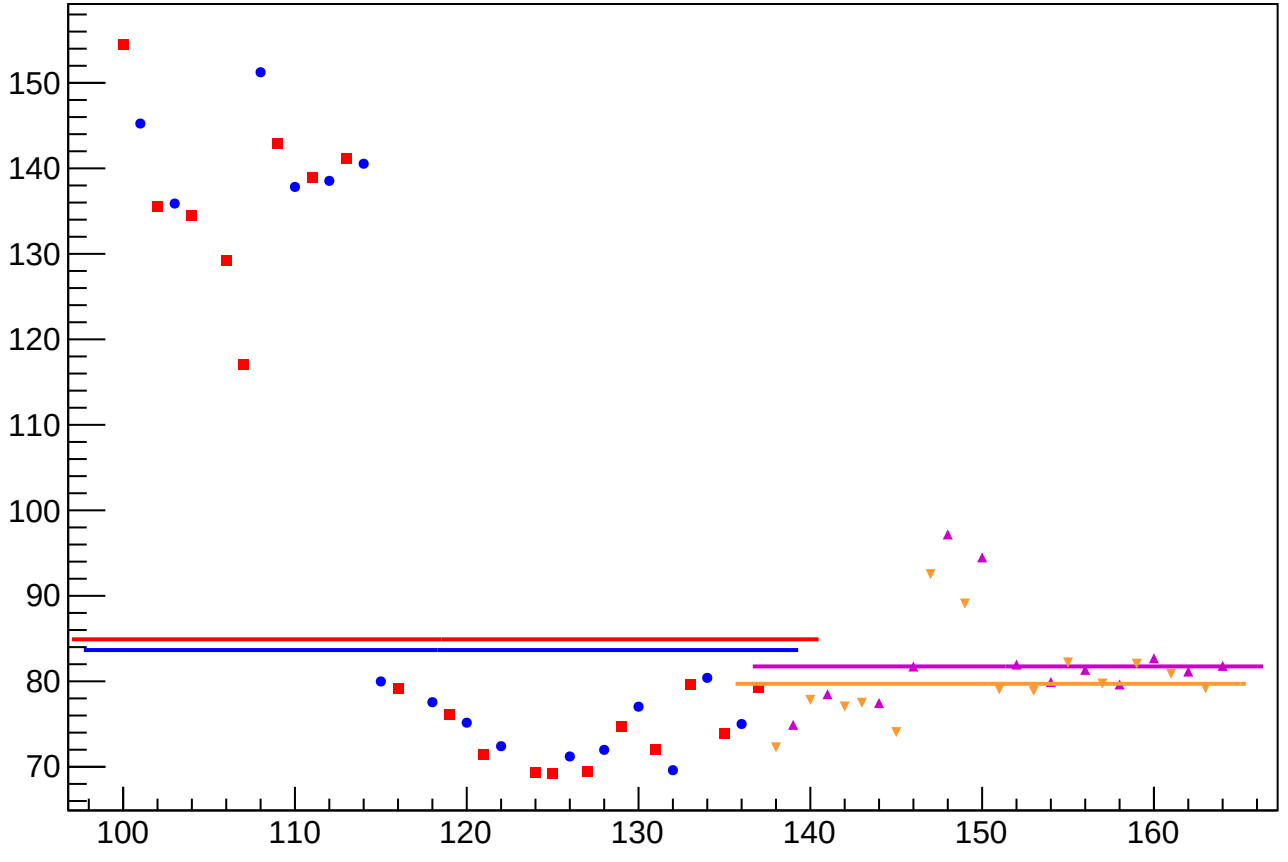
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -88.726+/-19.654 χ^2/NDF:38.9/28

Out: -86.814+/-19.223 χ^2/NDF:61.7/32

All: -87.749+/-13.743 χ^2/NDF: 100.6/61

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.710+/-0.017 χ^2/NDF:83116.5/13

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.742+/-0.018 χ^2/NDF:100127.3/12

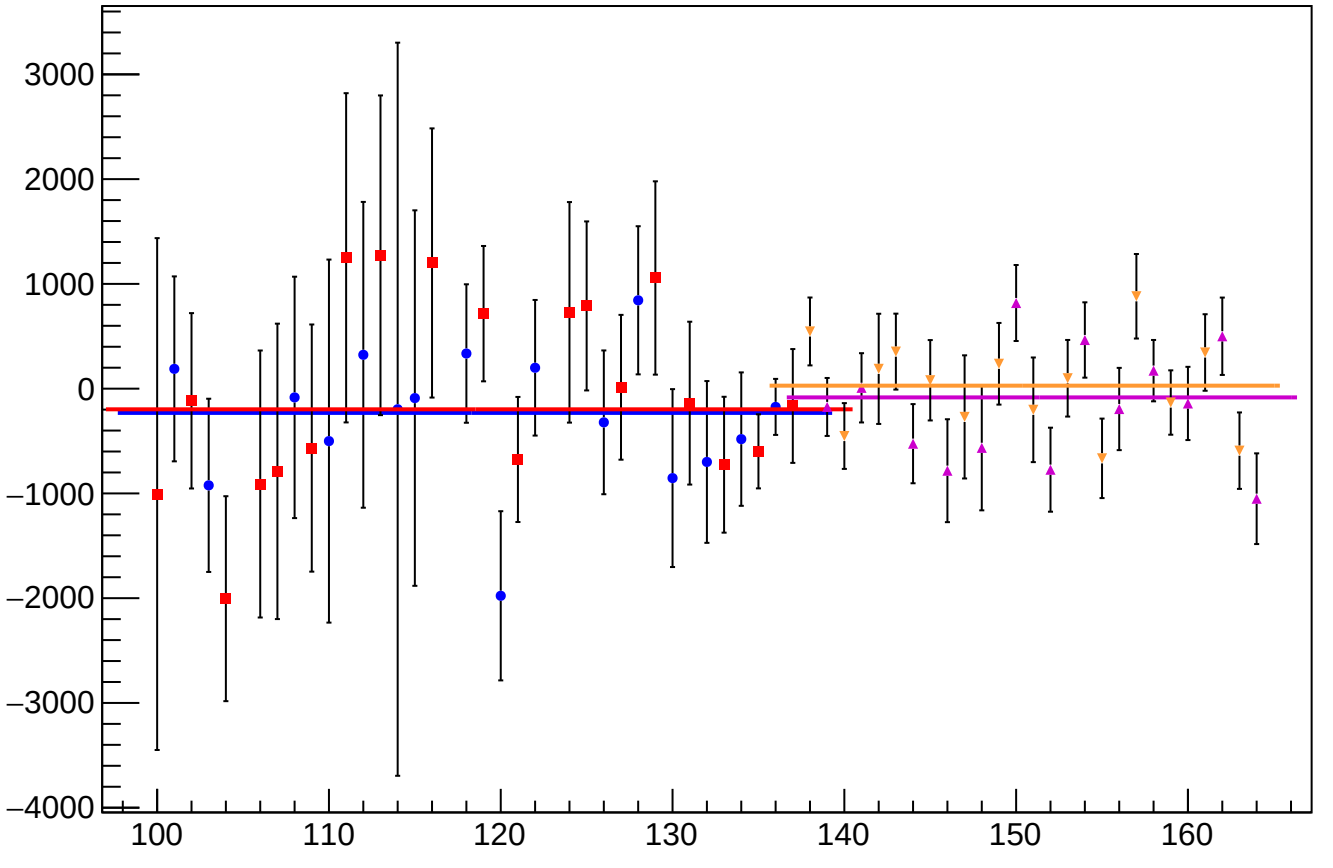
Left: 80.688+/-0.012 χ^2/NDF: 190227.5/26

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.451+/-0.014 χ^2/NDF:1139349.0/28

Out: 81.536+/-0.014 χ^2/NDF:1238168.1/32

All: 81.984+/-0.010 χ^2/NDF: 2379731.6/61



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 28.590+/-101.353 χ^2/NDF:18.3/13

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -83.450+/-101.676 χ^2/NDF:24.0/12

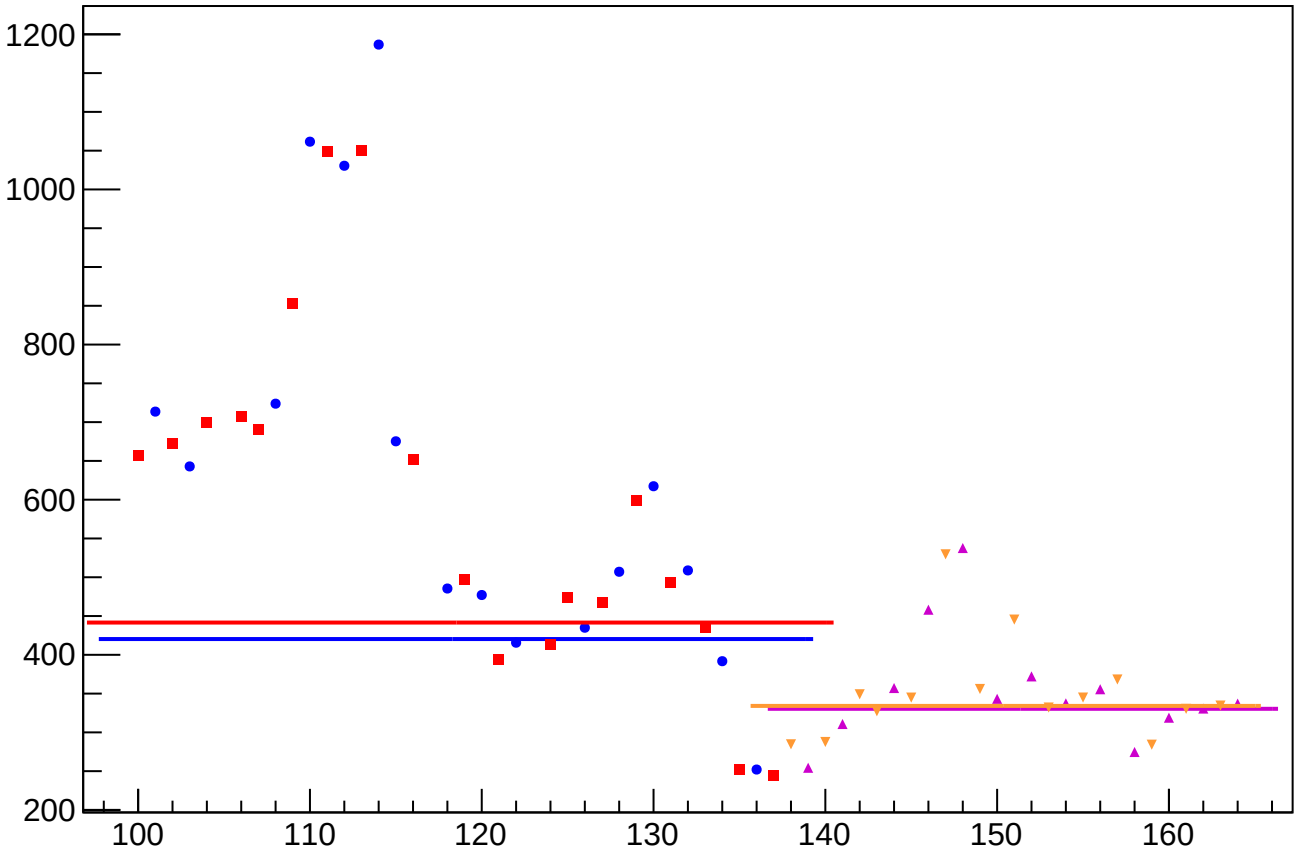
Left: -27.252+/-71.781 χ^2/NDF: 43.0/26

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -122.387+/-87.278 χ^2/NDF:35.0/28

Out: -27.598+/-87.842 χ^2/NDF:35.5/32

All: -75.298+/-61.913 χ^2/NDF: 71.1/61



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 334.134+/-0.072 χ^2/NDF:490362.0/13

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 330.386+/-0.072 χ^2/NDF:652904.4/12

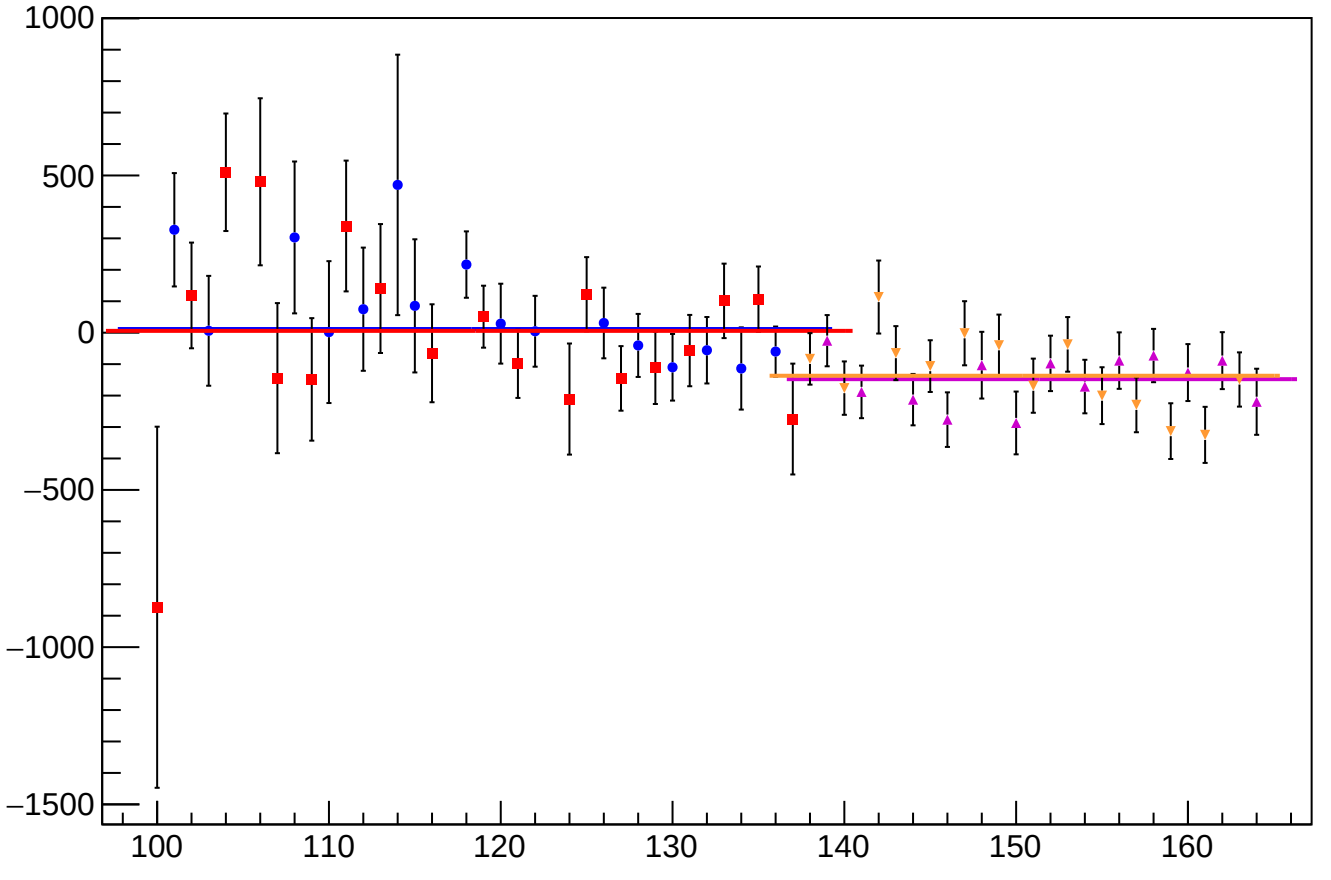
Left: 332.266+/-0.051 χ^2/NDF: 1144629.2/26

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 354.056+/-0.062 χ^2/NDF:3319383.3/28

Out: 360.876+/-0.062 χ^2/NDF:3357463.1/32

All: 357.444+/-0.044 χ^2/NDF: 6682911.9/61



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -136.929+/-23.864 χ^2/NDF:20.4/13

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -147.762+/-24.769 χ^2/NDF:10.0/12

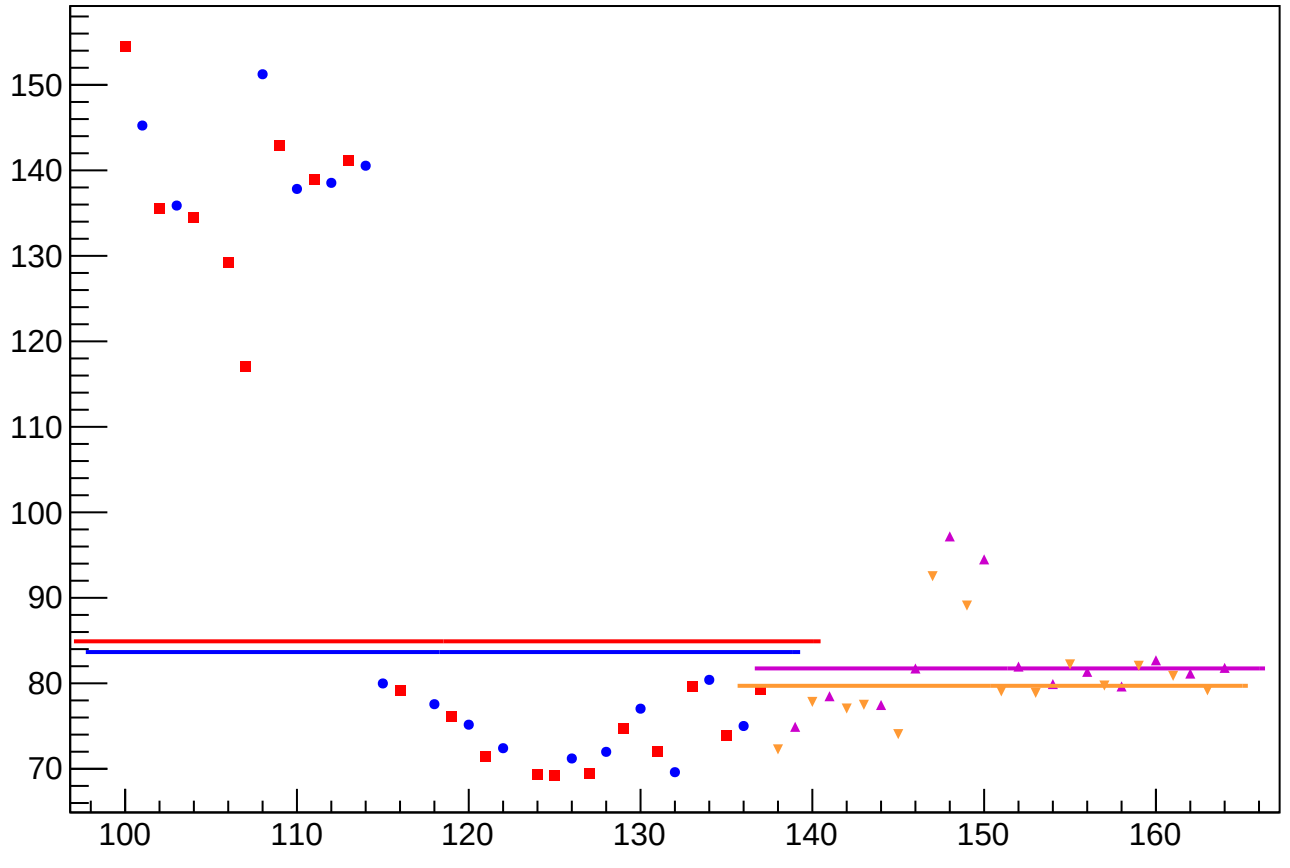
Left: -142.144+/-17.185 χ^2/NDF: 30.5/26

Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -88.726+/-19.654 χ^2/NDF:38.9/28

Out: -86.814+/-19.223 χ^2/NDF:61.7/32

All: -87.749+/-13.743 χ^2/NDF: 100.6/61



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.710+/-0.017 χ^2/NDF:83116.0/13

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.742+/-0.018 χ^2/NDF:100126.5/12

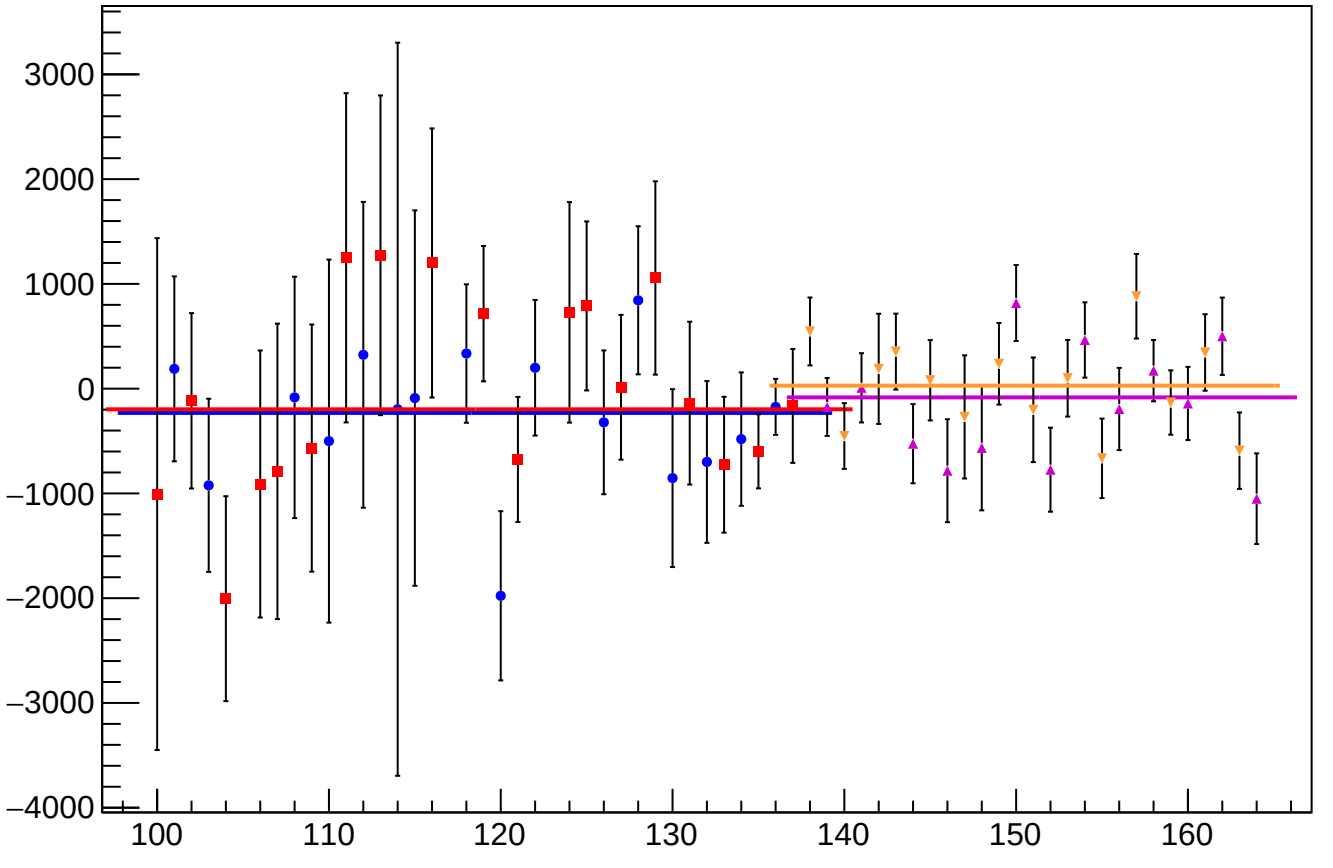
Left: 80.688+/-0.012 χ^2/NDF: 190226.2/26

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.451+/-0.014 χ^2/NDF:1139347.4/28

Out: 81.536+/-0.014 χ^2/NDF:1238165.7/32

All: 81.984+/-0.010 χ^2/NDF: 2379727.6/61



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 28.591+/-101.353 χ^2/NDF:18.3/13

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -83.450+/-101.676 χ^2/NDF:24.0/12

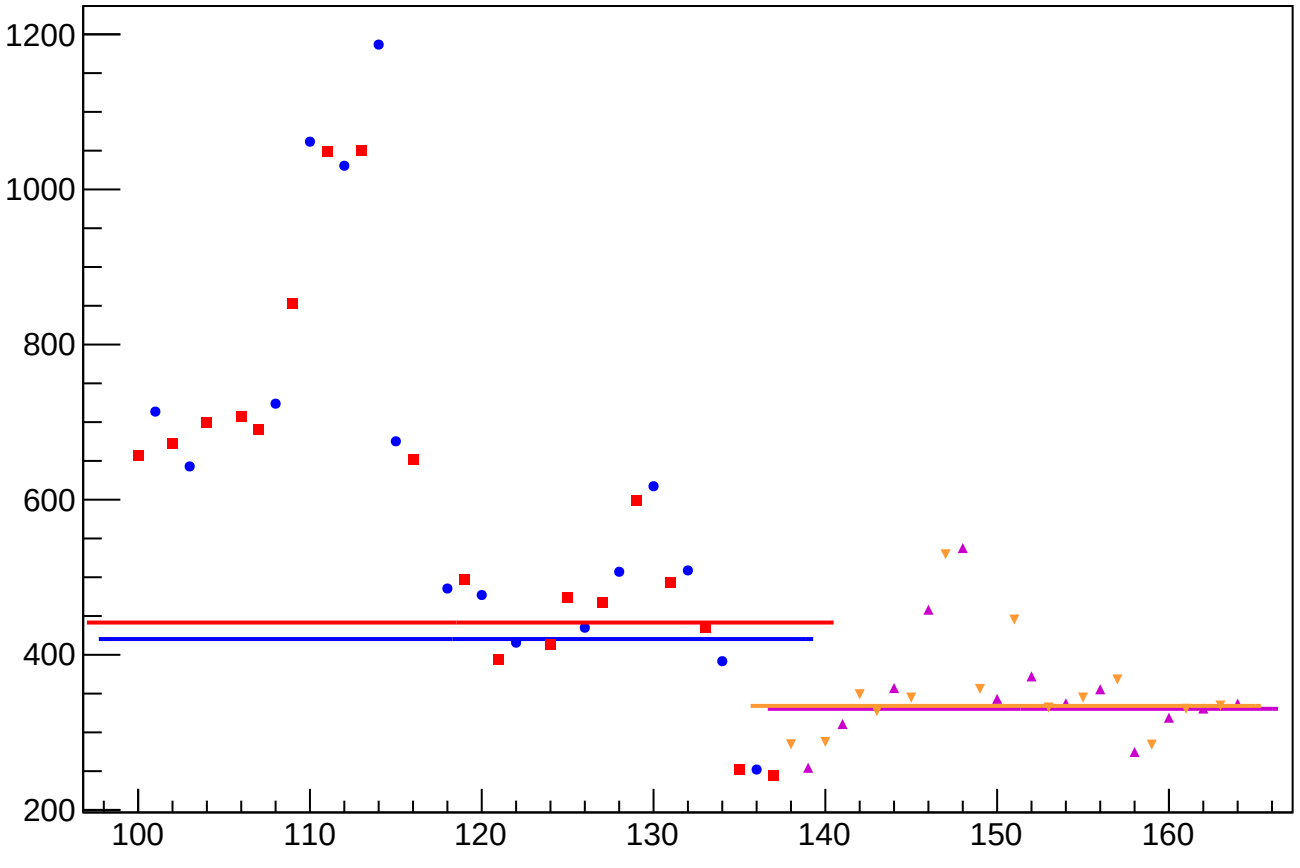
Left: -27.251+/-71.781 χ^2/NDF: 43.0/26

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -122.387+/-87.278 χ^2/NDF:35.0/28

Out: -27.598+/-87.842 χ^2/NDF:35.5/32

All: -75.298+/-61.913 χ^2/NDF: 71.1/61



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 334.134+/-0.072 χ^2/NDF:490362.4/13

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 330.386+/-0.072 χ^2/NDF:652906.1/12

Left: 332.266+/-0.051 χ^2/NDF: 1144631.4/26

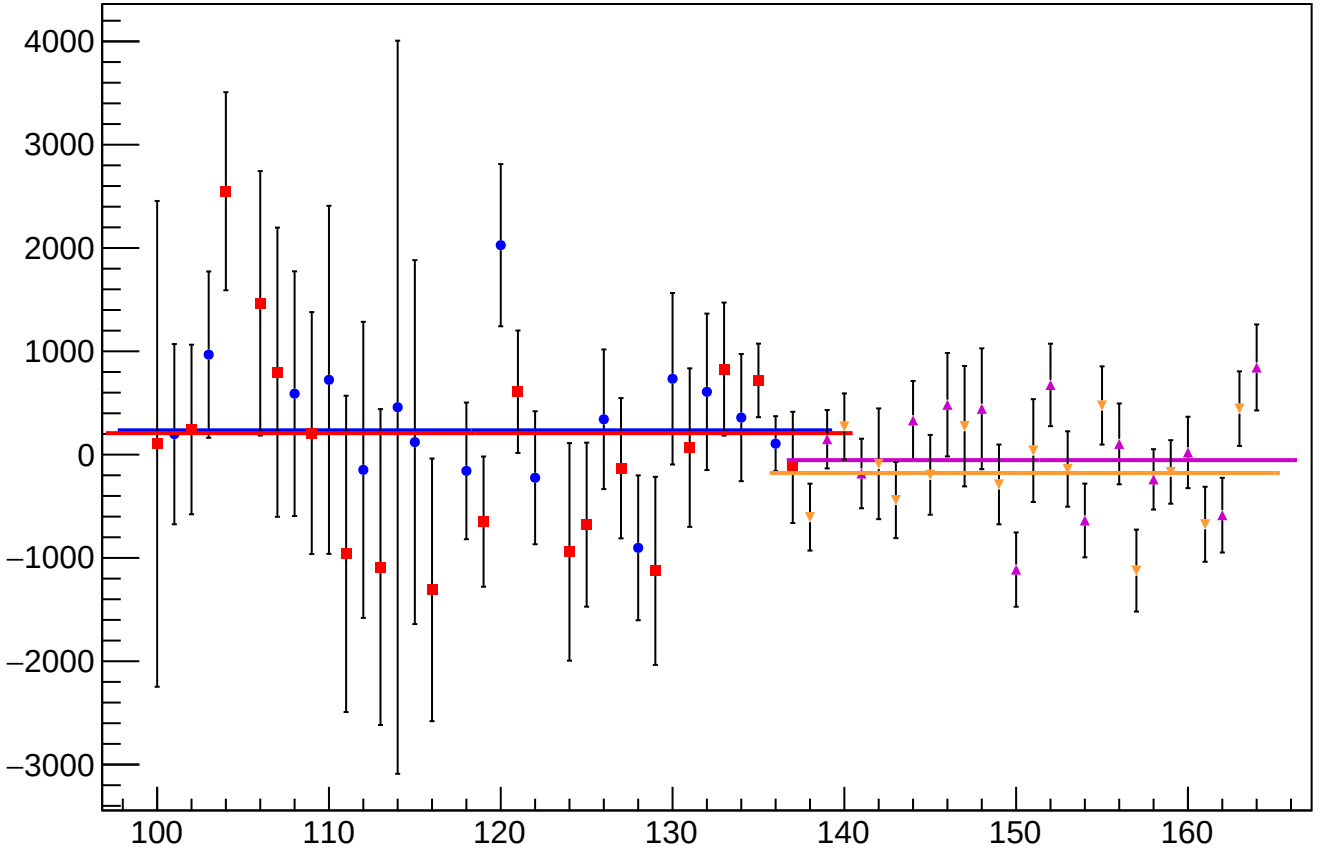
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 354.056+/-0.062 χ^2/NDF:3319385.7/28

Out: 360.875+/-0.062 χ^2/NDF:3357464.2/32

All: 357.444+/-0.044 χ^2/NDF: 6682915.5/61

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -177.654+/-101.451 χ^2/NDF:18.6/13

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -53.286+/-101.497 χ^2/NDF:25.7/12

Left: -115.498+/-71.753 χ^2/NDF: 45.1/26

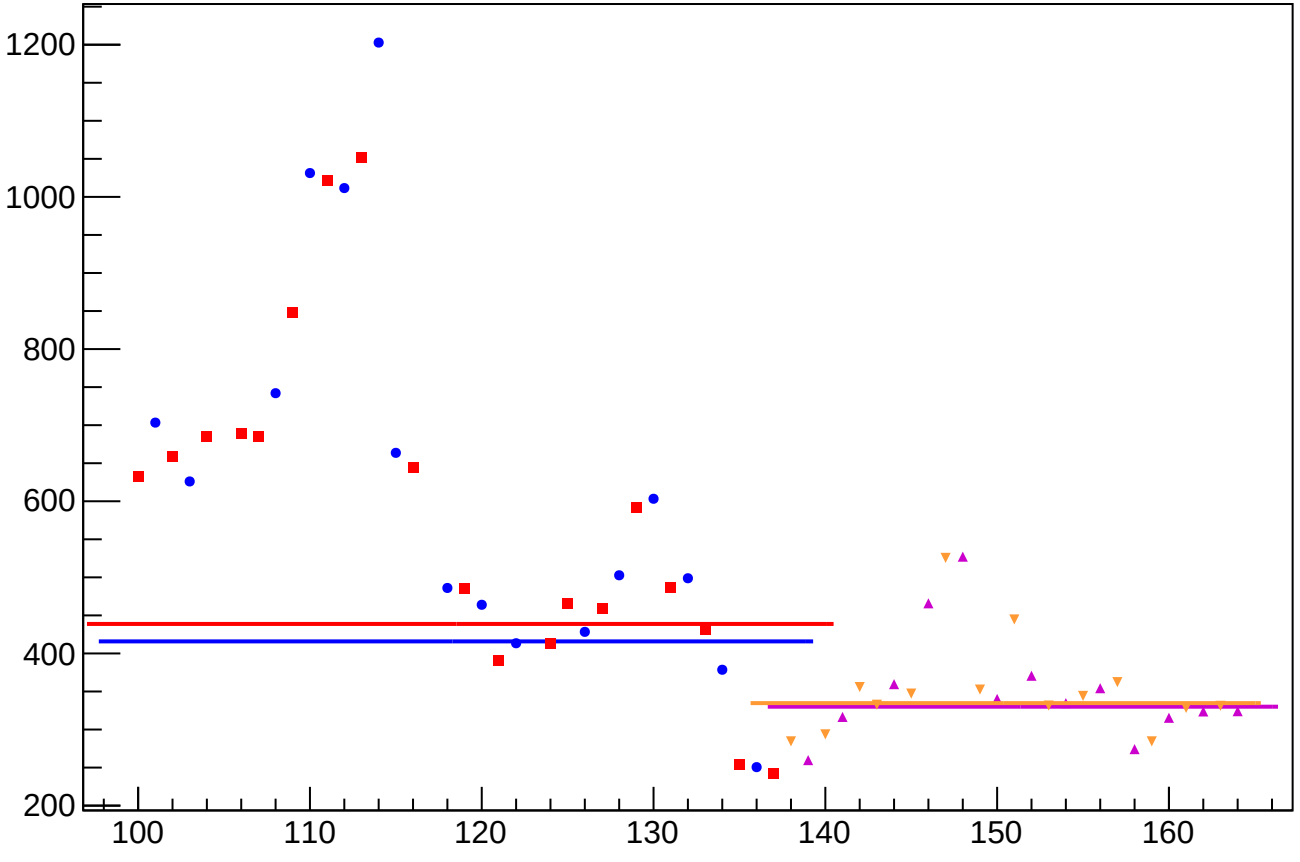
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 23.681+/-86.901 χ^2/NDF:38.5/28

Out: -80.427+/-87.733 χ^2/NDF:42.6/32

All: -27.877+/-61.740 χ^2/NDF: 81.9/61

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 334.719+/-0.072 χ^2/NDF:467865.2/13

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 330.023+/-0.072 χ^2/NDF:621391.7/12

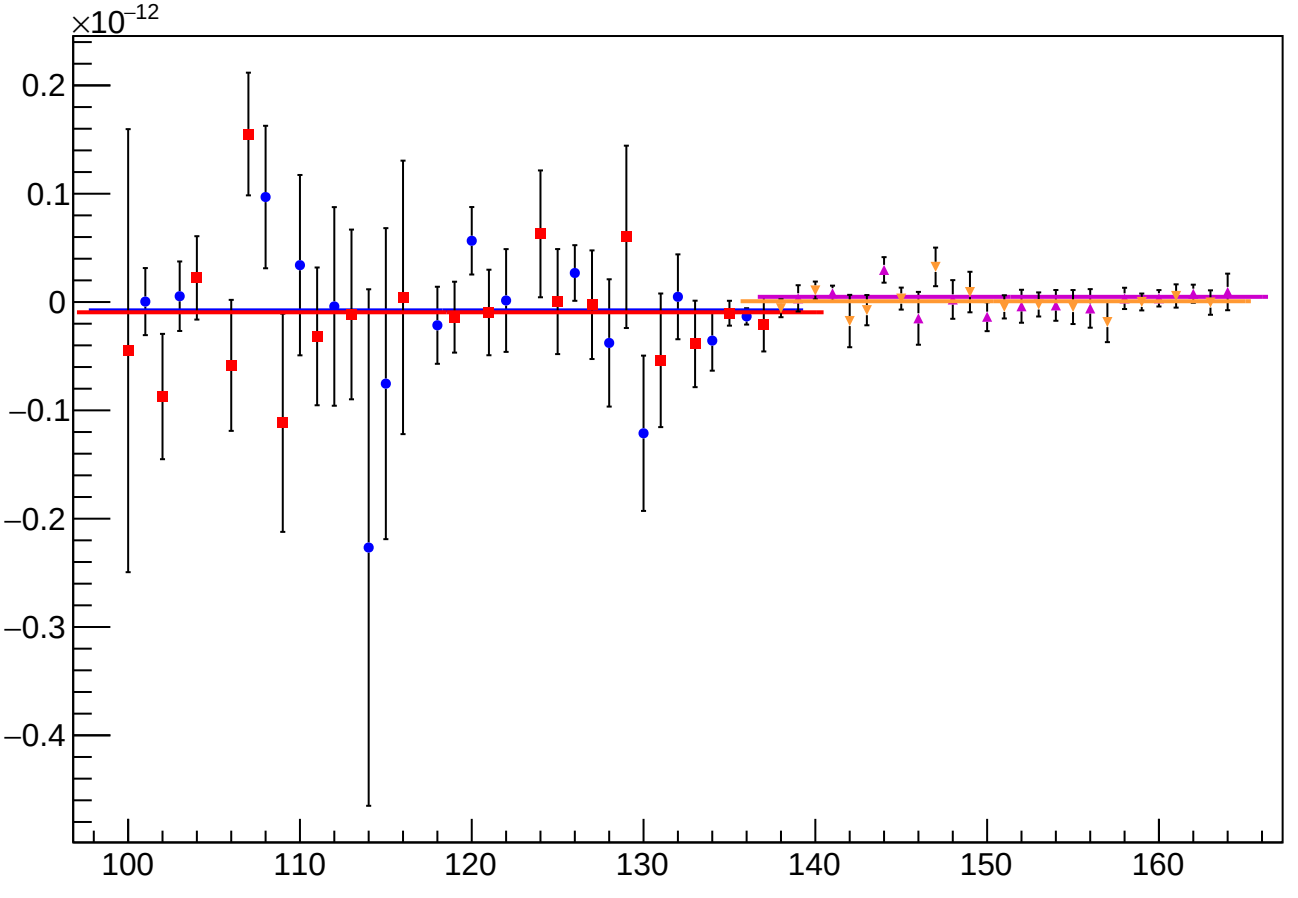
Left: 332.372+/-0.051 χ^2/NDF: 1091398.1/26

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 352.930+/-0.061 χ^2/NDF:3226994.5/28

Out: 360.956+/-0.062 χ^2/NDF:3233160.0/32

All: 356.905+/-0.044 χ^2/NDF: 6468602.7/61



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.5/12

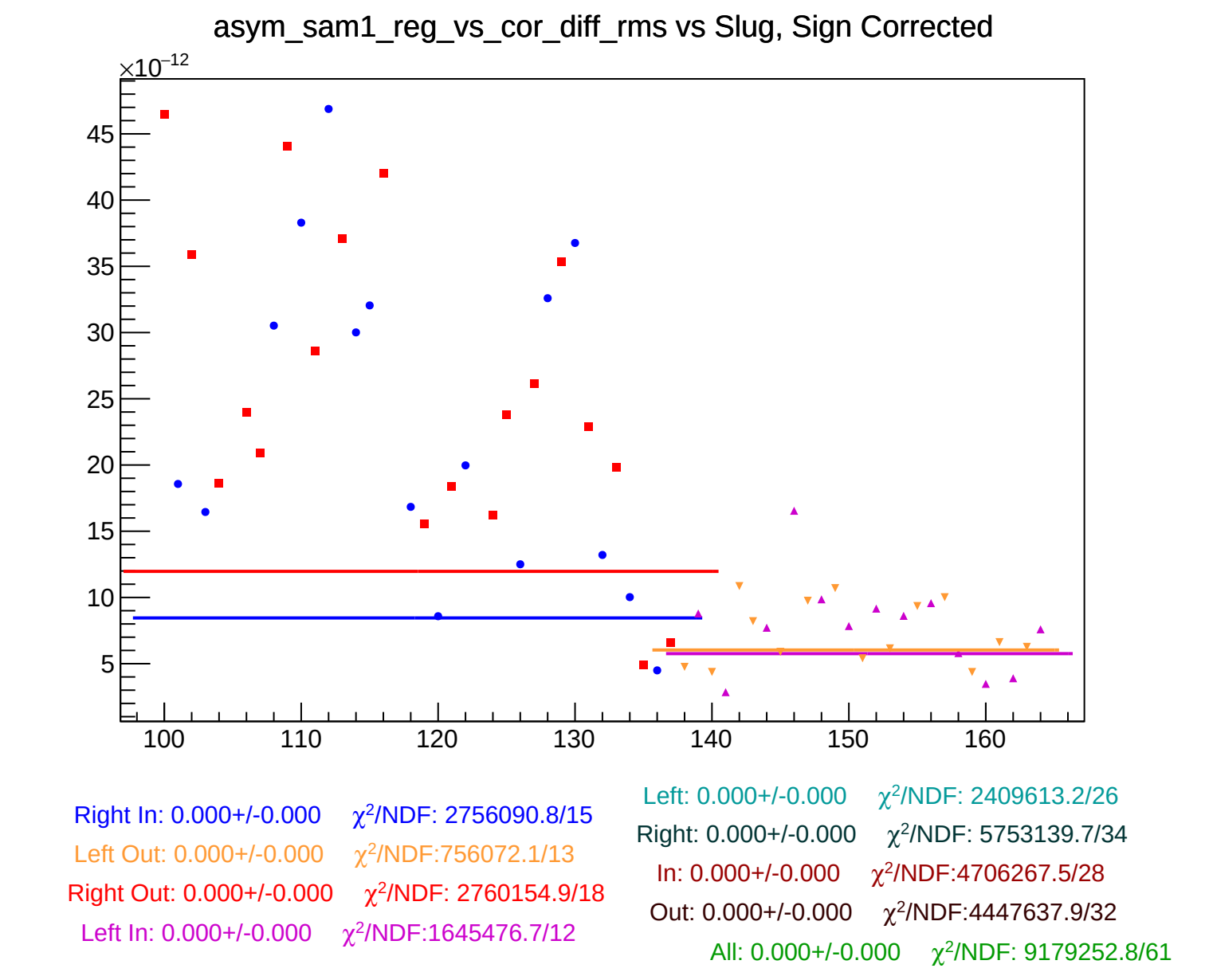
Left: 0.000+/-0.000 χ^2/NDF: 17.5/26

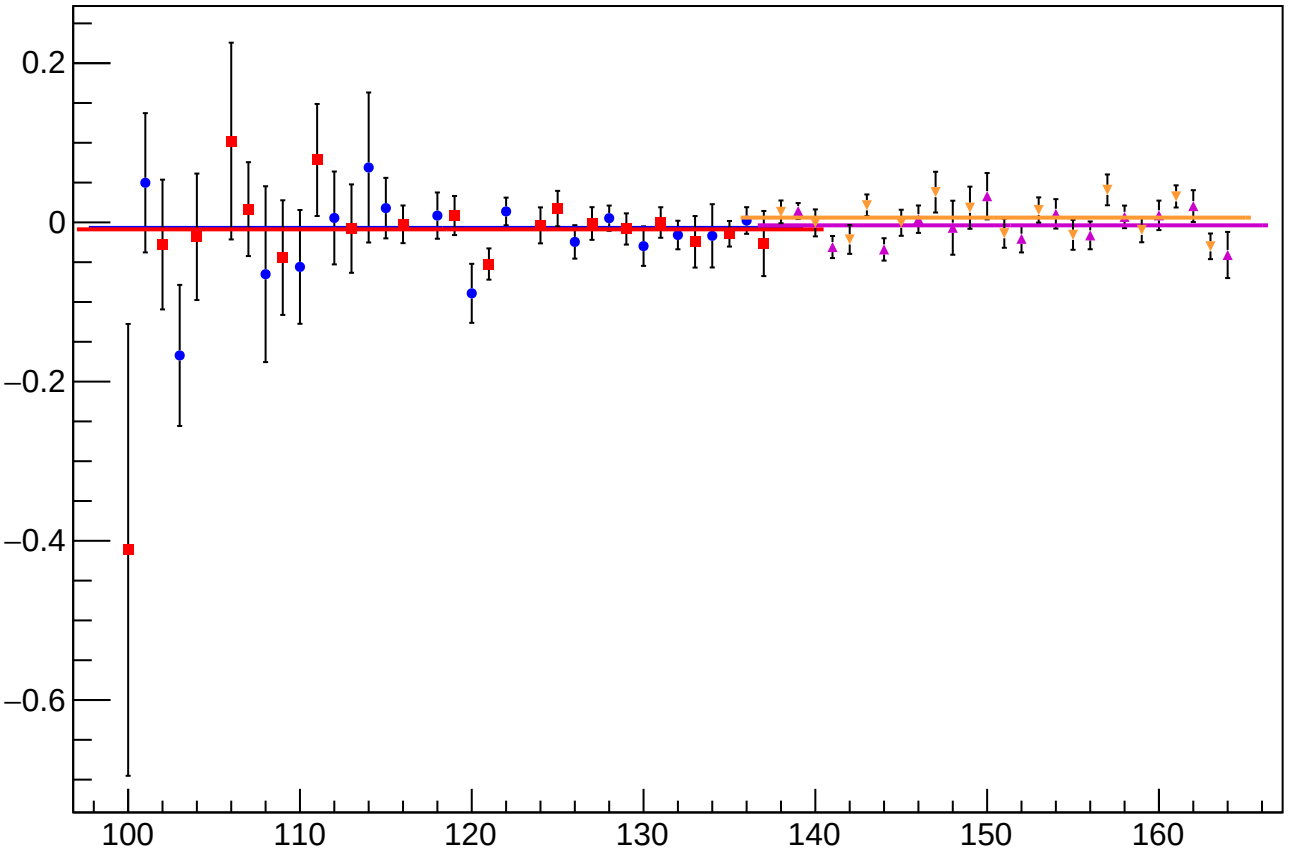
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:26.5/28

Out: -0.000+/-0.000 χ^2/NDF:25.8/32

All: 0.000+/-0.000 χ^2/NDF: 52.9/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:756072.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1645476.7/12
Left: 0.000+/-0.000 χ²/NDF: 2409613.2/26
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4706267.5/28
Out: 0.000+/-0.000 χ²/NDF:4447637.9/32
All: 0.000+/-0.000 χ²/NDF: 9179252.8/61



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:21.7/13

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.005 χ^2/NDF:19.7/12

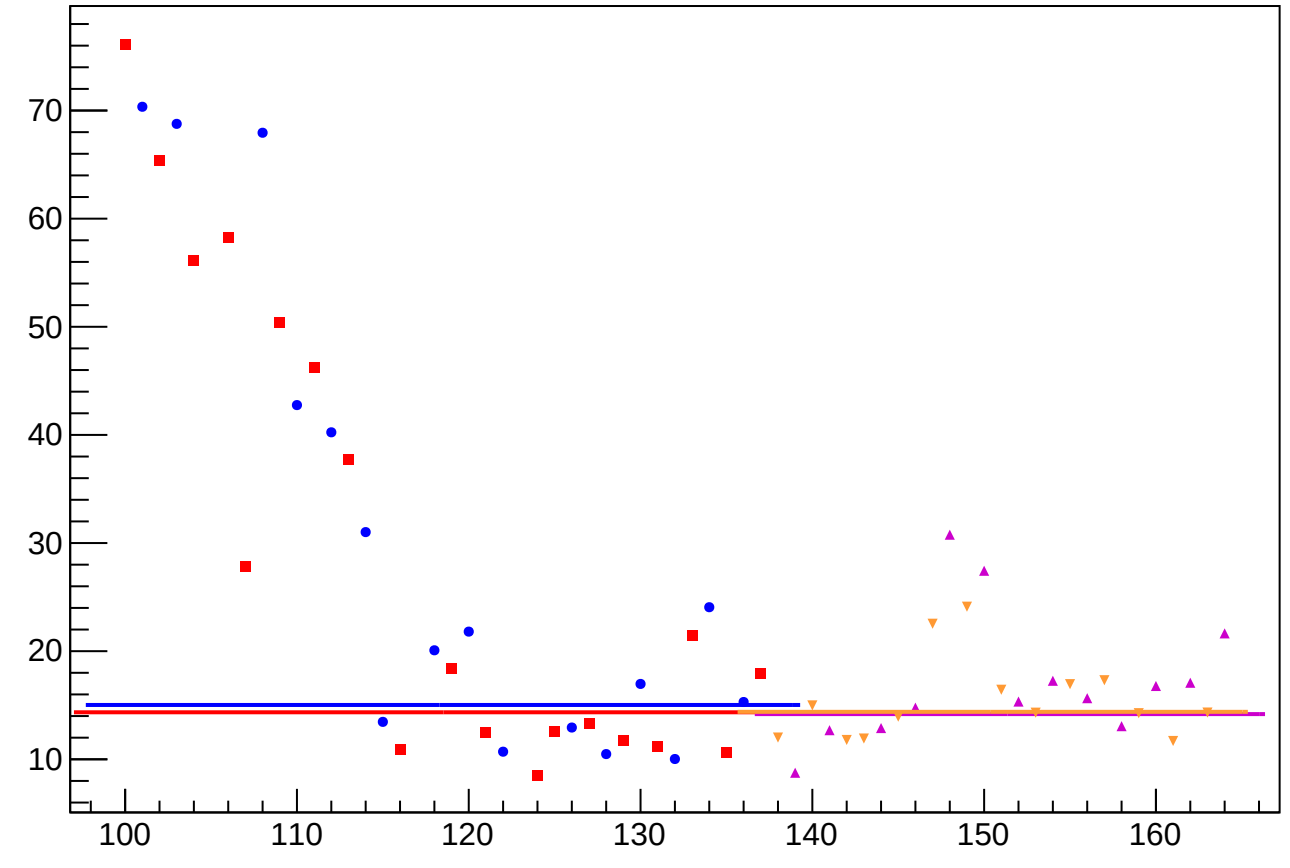
Left: 0.001+/-0.003 χ^2/NDF: 43.6/26

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.004 χ^2/NDF:34.8/28

Out: 0.001+/-0.004 χ^2/NDF:37.9/32

All: -0.002+/-0.003 χ^2/NDF: 73.9/61



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.391+/-0.003 χ^2/NDF:821630.9/13

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.181+/-0.003 χ^2/NDF:1823830.5/12

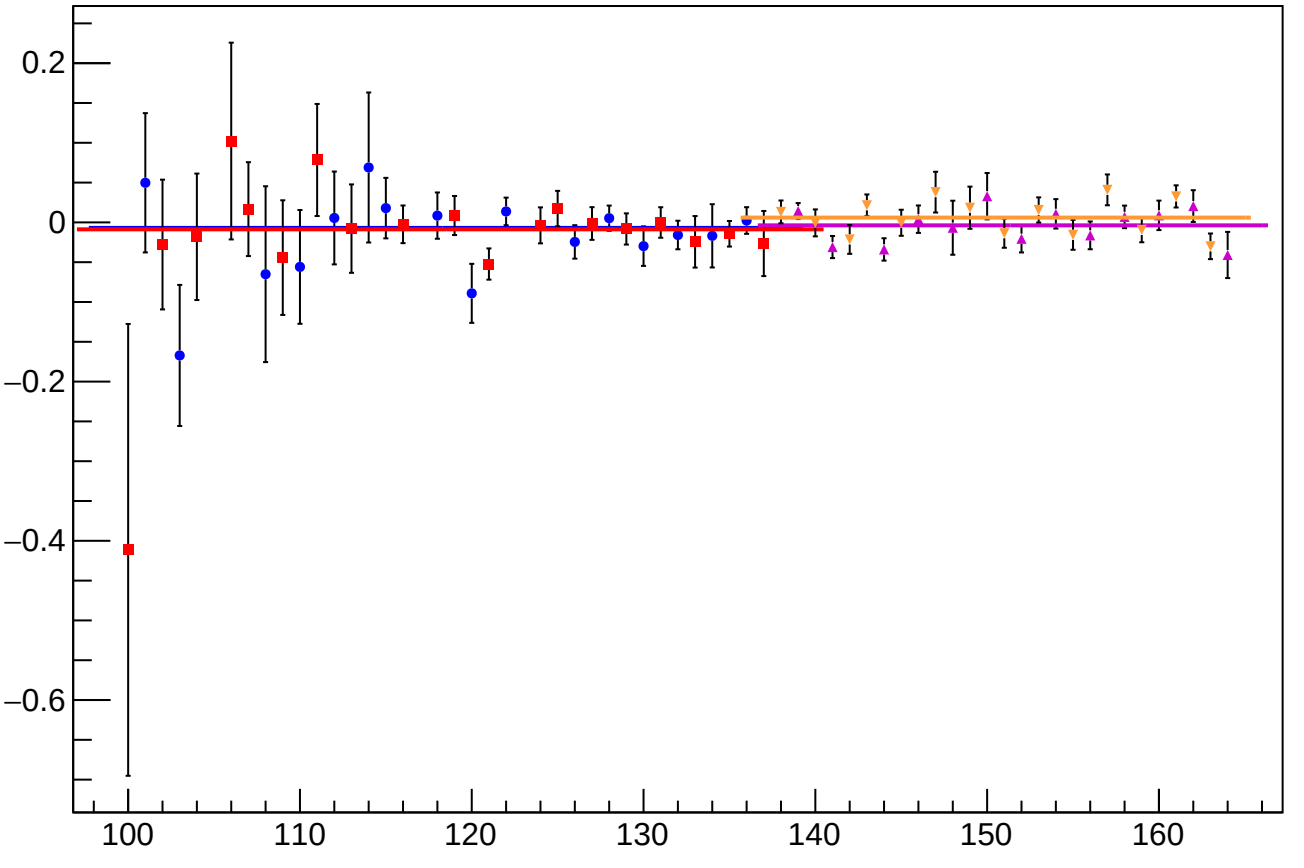
Left: 14.288+/-0.002 χ^2/NDF: 2647567.4/26

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.452+/-0.003 χ^2/NDF:5283484.2/28

Out: 14.376+/-0.003 χ^2/NDF:4450704.2/32

All: 14.413+/-0.002 χ^2/NDF: 9734590.8/61



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:21.7/13

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.005 χ^2/NDF:19.7/12

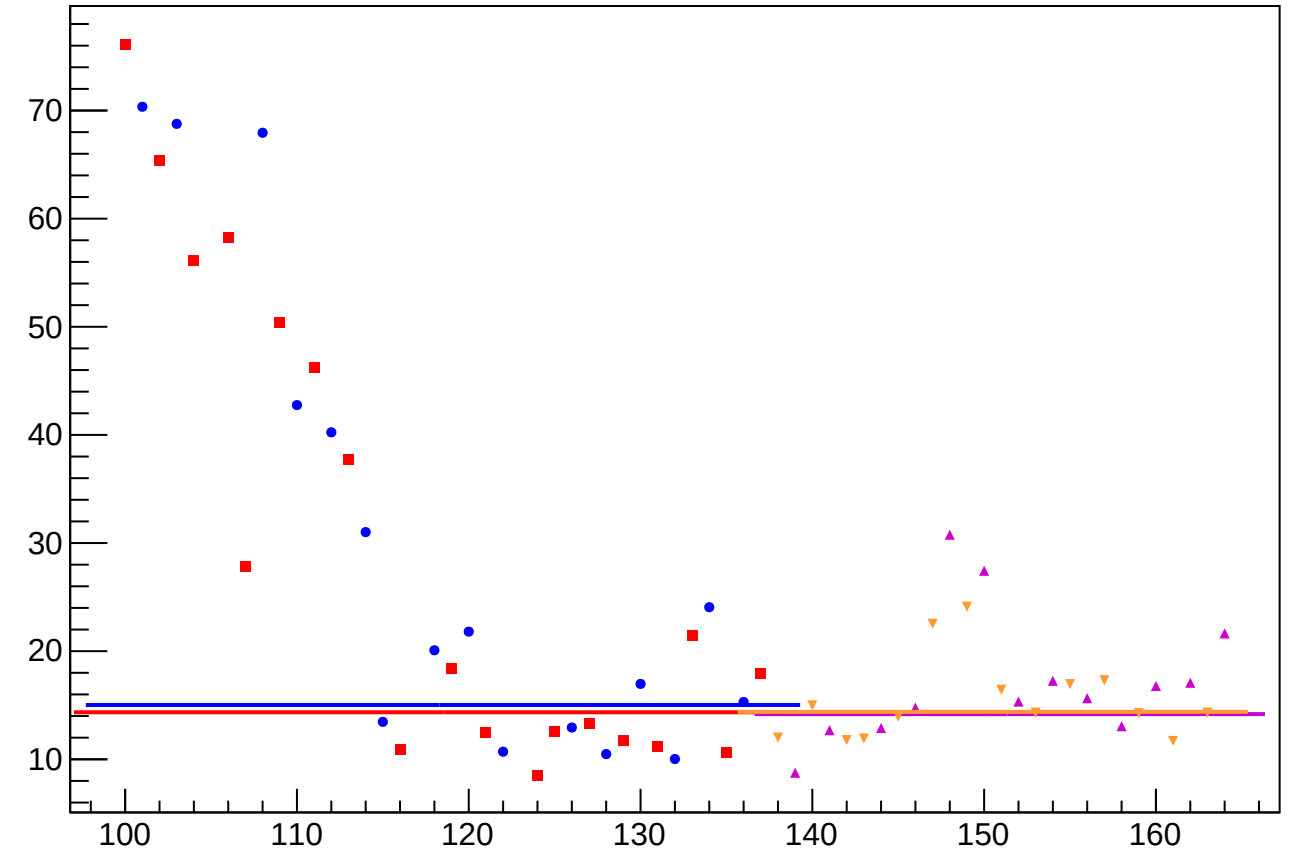
Left: 0.001+/-0.003 χ^2/NDF: 43.6/26

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.004 χ^2/NDF:34.8/28

Out: 0.001+/-0.004 χ^2/NDF:37.9/32

All: -0.002+/-0.003 χ^2/NDF: 73.9/61



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.391+/-0.003 χ^2/NDF:821630.9/13

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.181+/-0.003 χ^2/NDF:1823830.5/12

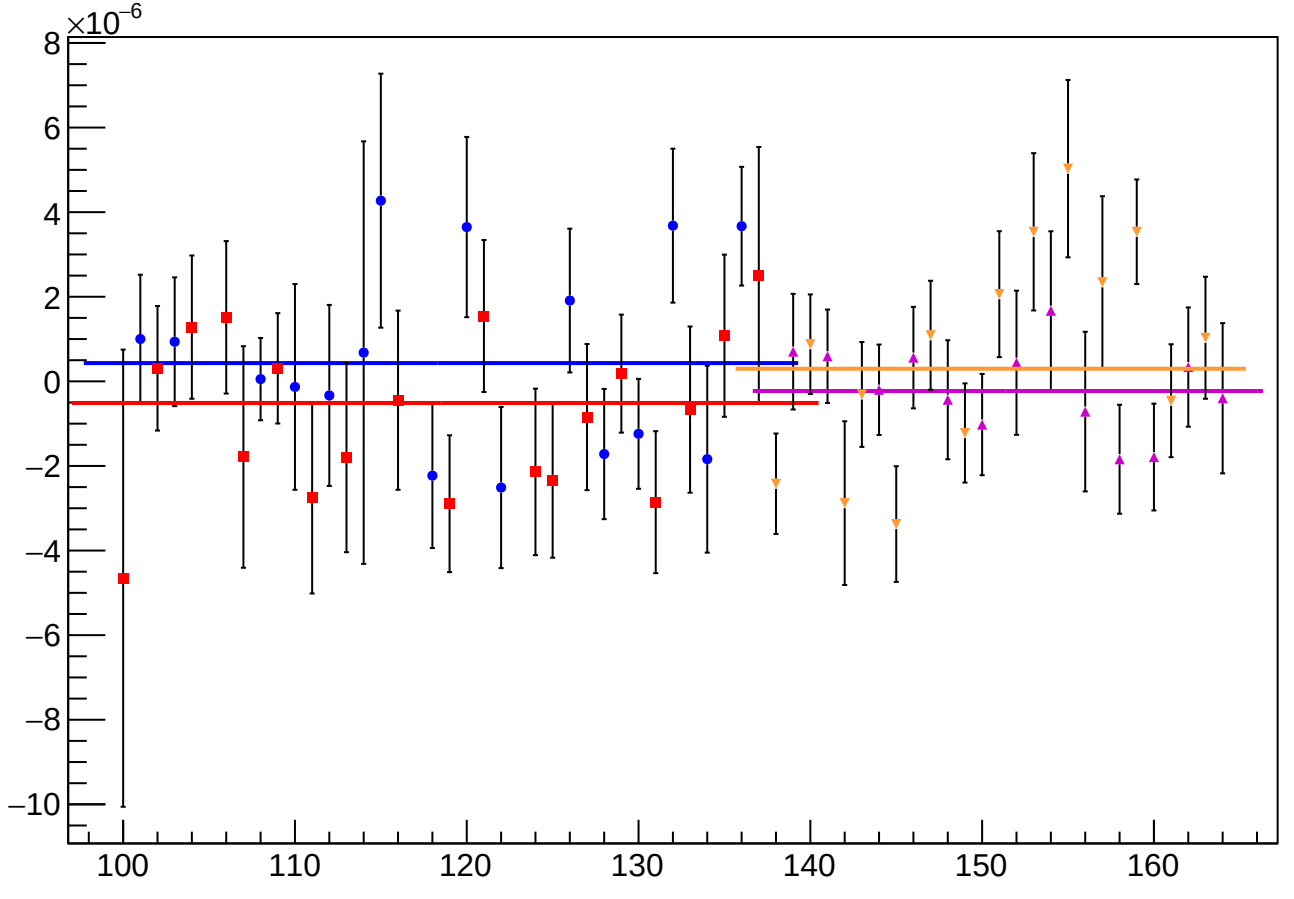
Left: 14.288+/-0.002 χ^2/NDF: 2647567.4/26

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.452+/-0.003 χ^2/NDF:5283484.2/28

Out: 14.376+/-0.003 χ^2/NDF:4450704.2/32

All: 14.413+/-0.002 χ^2/NDF: 9734590.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/12

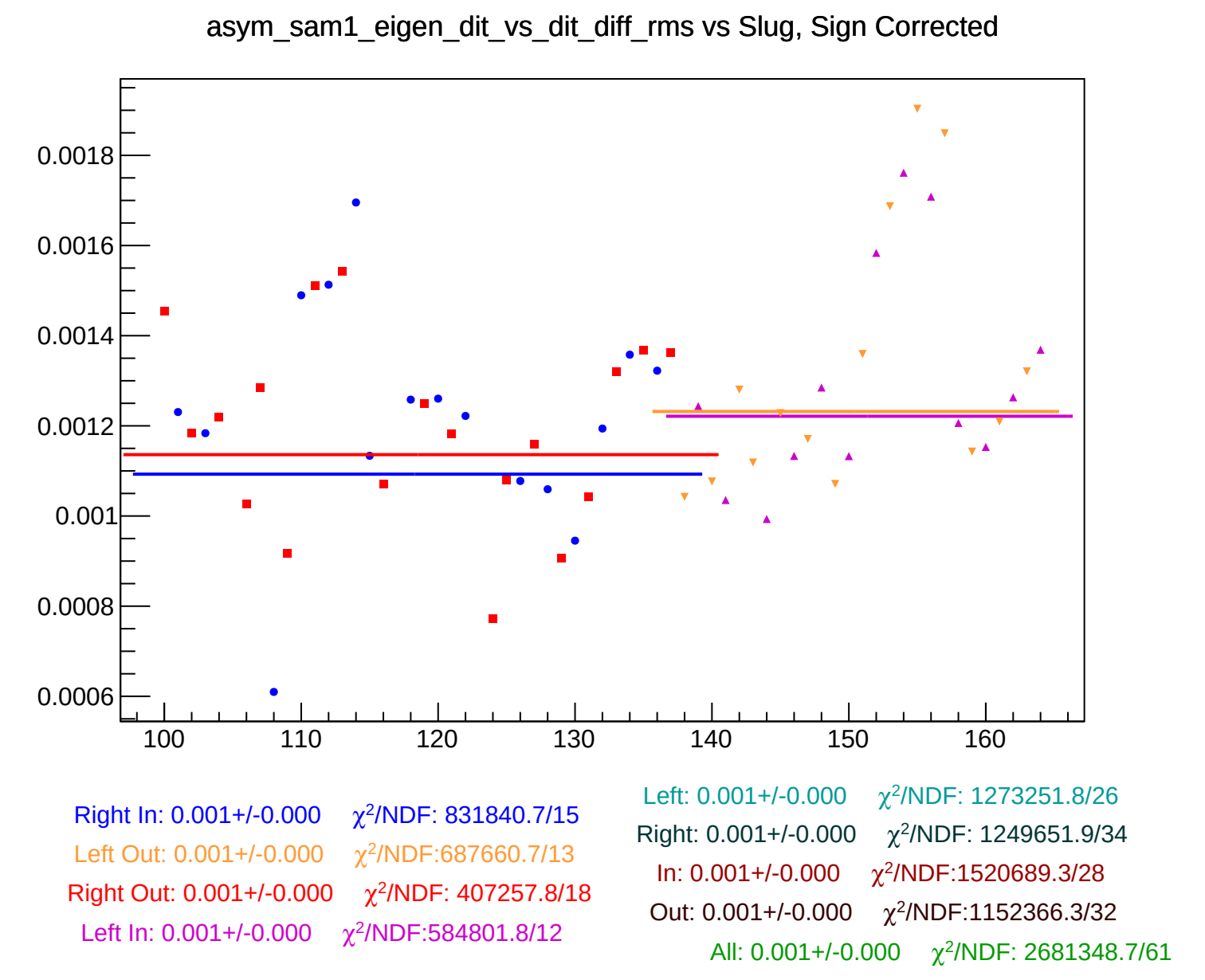
Left: 0.000+/-0.000 χ^2/NDF: 43.1/26

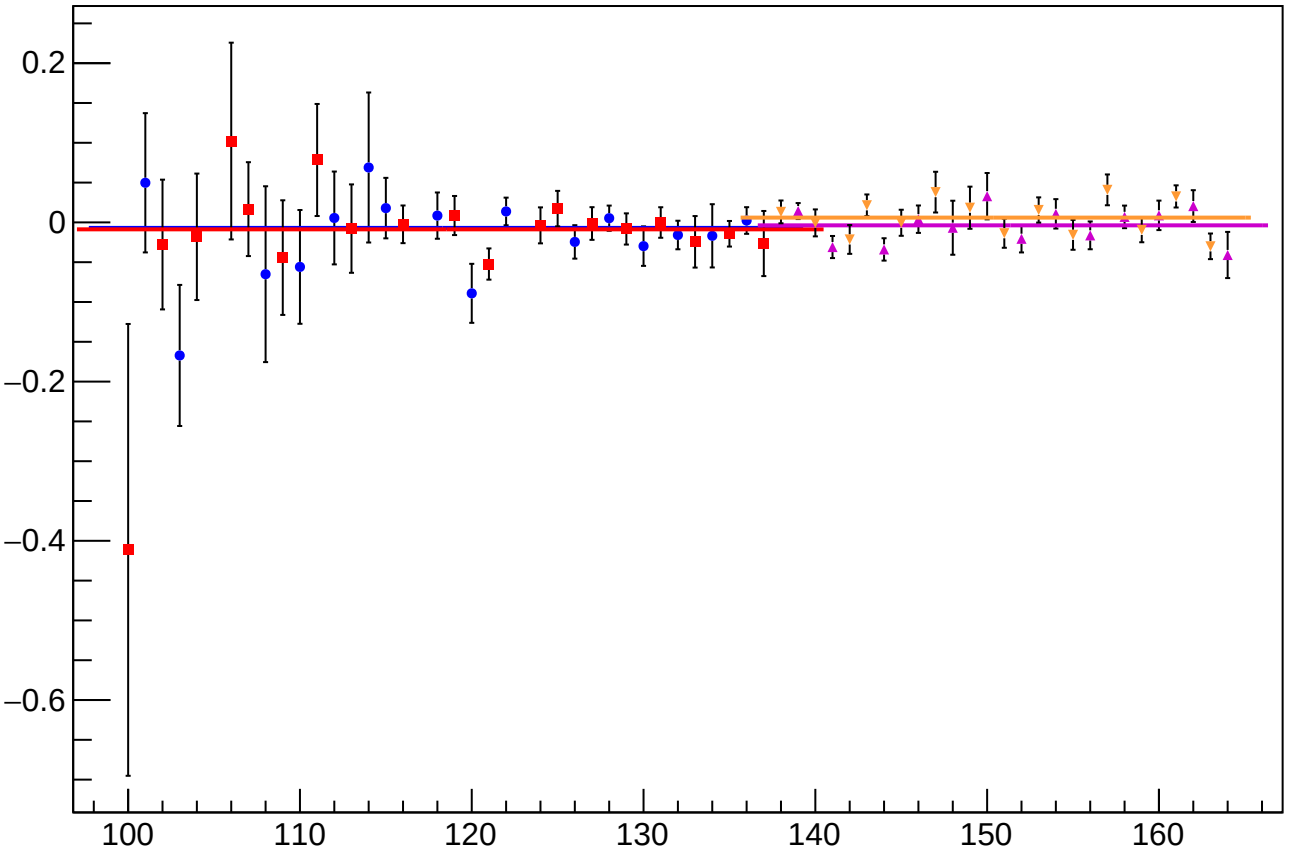
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:31.0/28

Out: -0.000+/-0.000 χ^2/NDF:52.0/32

All: 0.000+/-0.000 χ^2/NDF: 83.1/61


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
160
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:687660.7/13
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:584801.8/12
Left: 0.001+/-0.000 χ²/NDF: 1273251.8/26
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1520689.3/28
Out: 0.001+/-0.000 χ²/NDF:1152366.3/32
All: 0.001+/-0.000 χ²/NDF: 2681348.7/61



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:21.7/13

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.005 χ^2/NDF:19.7/12

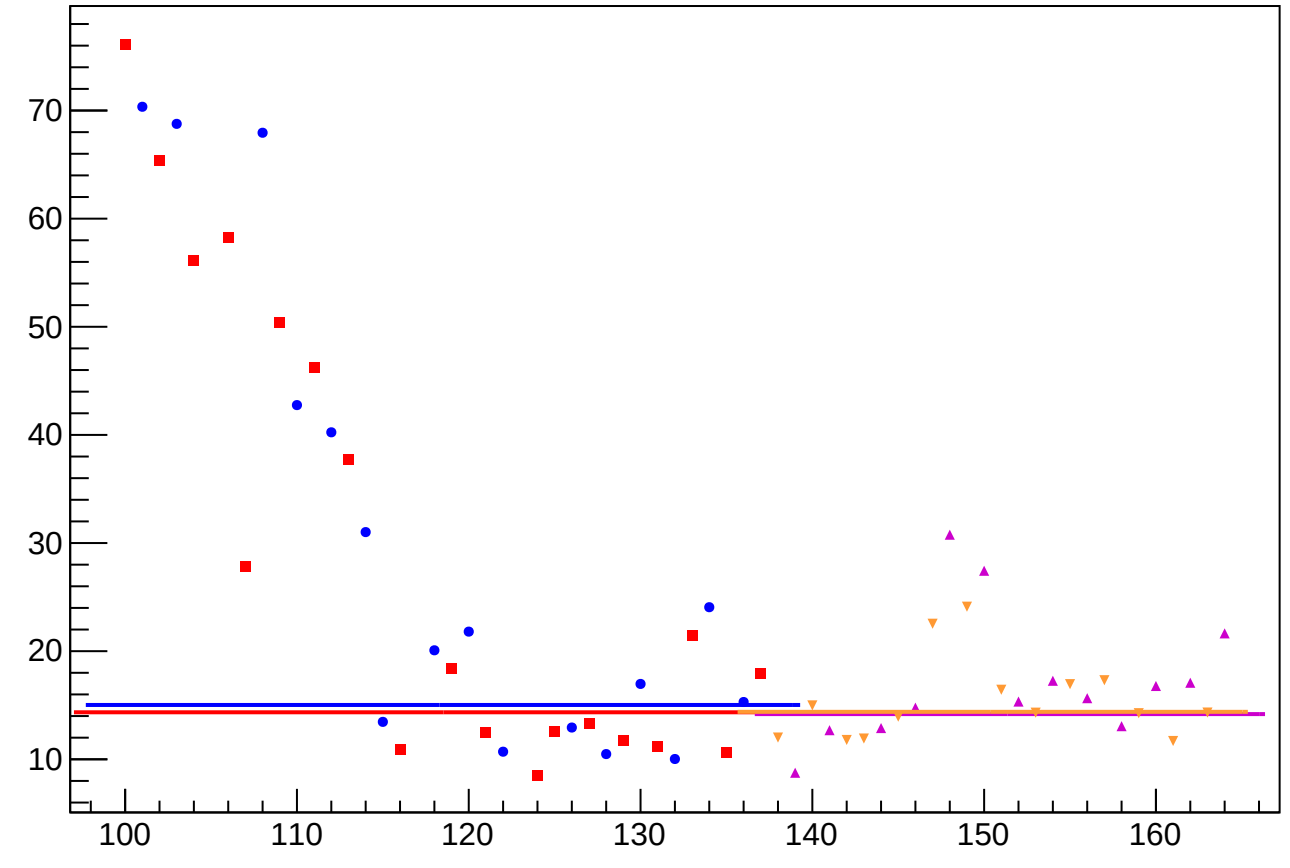
Left: 0.001+/-0.003 χ^2/NDF: 43.6/26

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.004 χ^2/NDF:34.8/28

Out: 0.001+/-0.004 χ^2/NDF:37.9/32

All: -0.002+/-0.003 χ^2/NDF: 73.9/61



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.390+/-0.003 χ^2/NDF:821680.1/13

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.181+/-0.003 χ^2/NDF:1823882.7/12

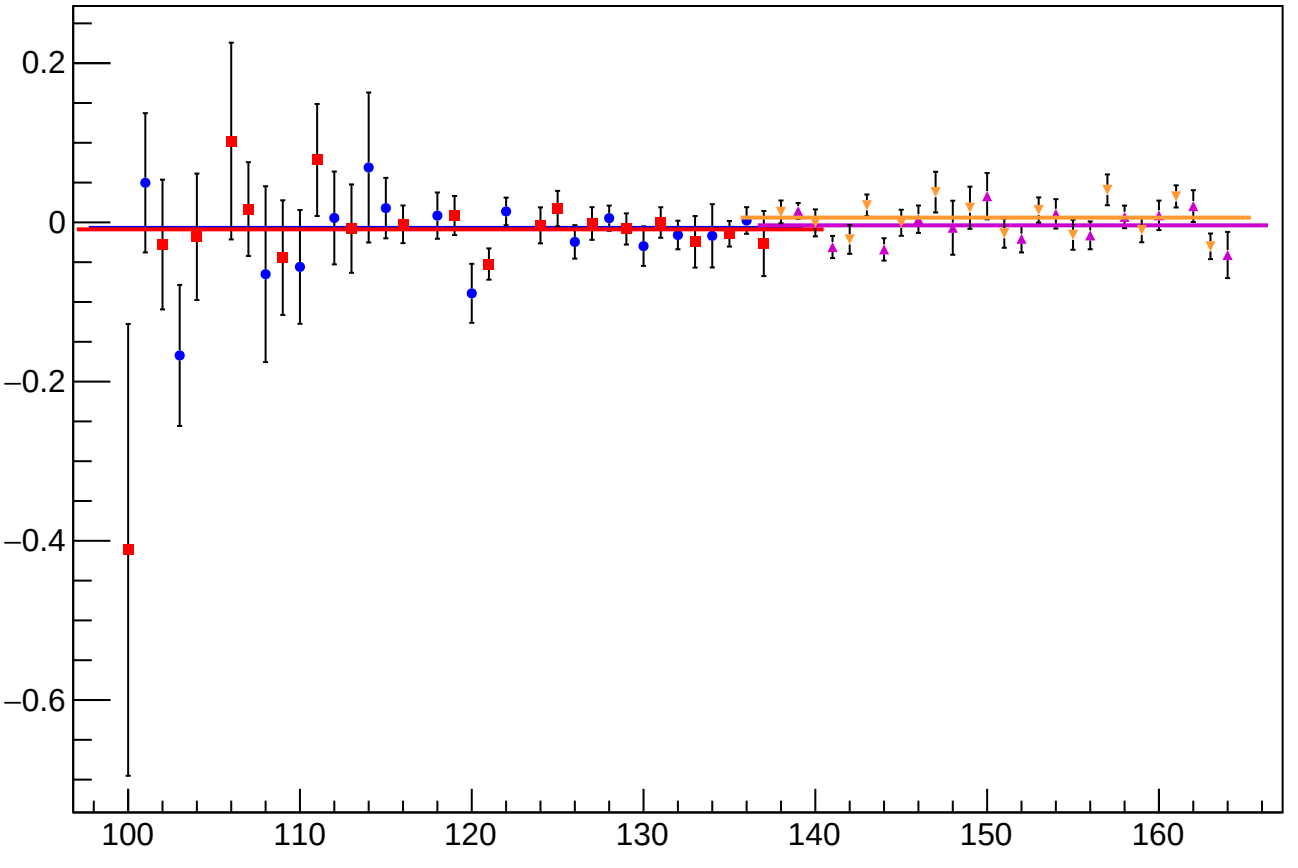
Left: 14.288+/-0.002 χ^2/NDF: 2647668.9/26

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.451+/-0.003 χ^2/NDF:5283548.1/28

Out: 14.376+/-0.003 χ^2/NDF:4450743.7/32

All: 14.413+/-0.002 χ^2/NDF: 9734693.8/61



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:21.7/13

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.004+/-0.005 χ^2/NDF:19.7/12

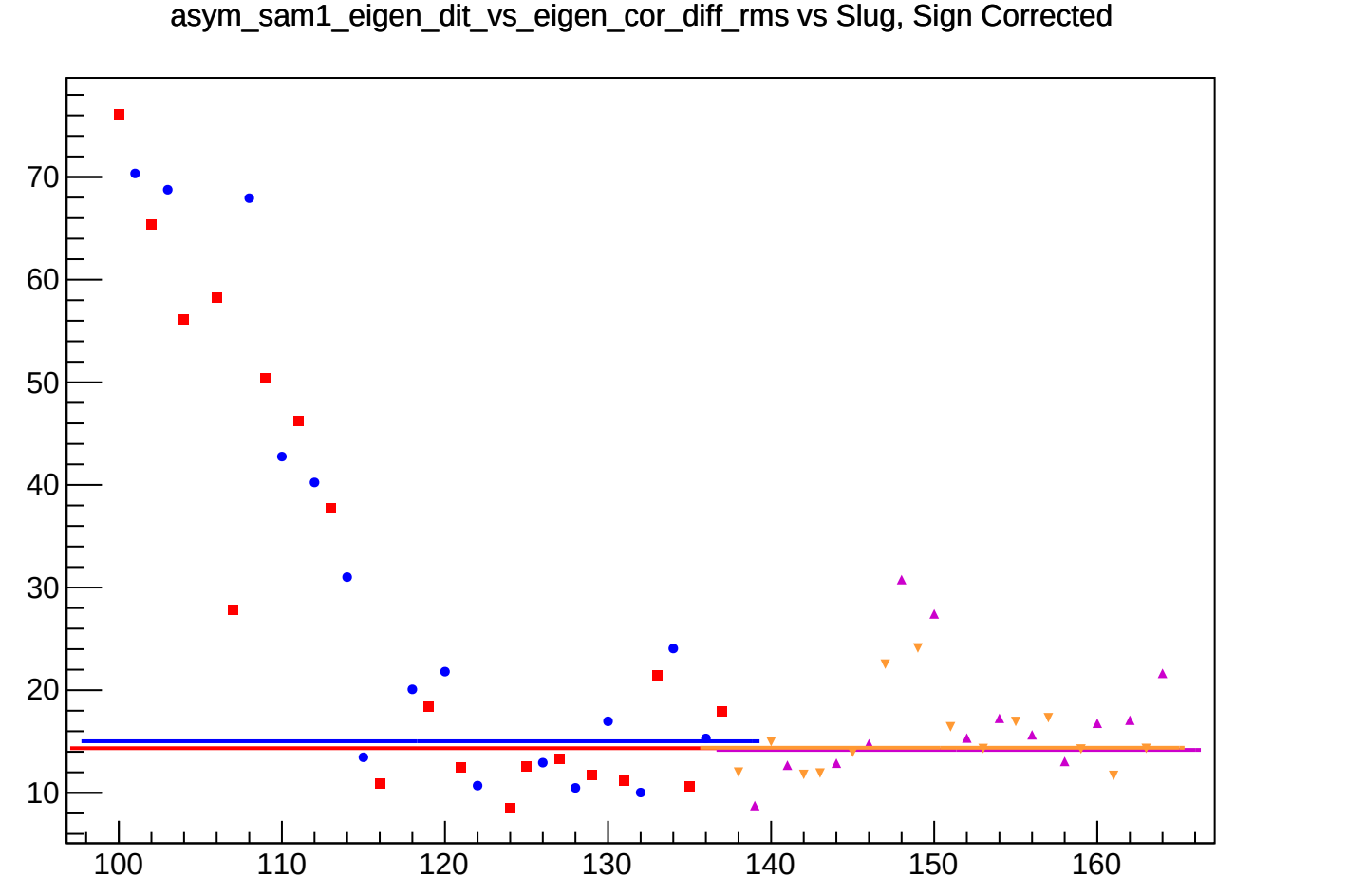
Left: 0.001+/-0.003 χ^2/NDF: 43.6/26

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.005+/-0.004 χ^2/NDF:34.8/28

Out: 0.001+/-0.004 χ^2/NDF:37.9/32

All: -0.002+/-0.003 χ^2/NDF: 73.9/61



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.390+/-0.003 χ^2/NDF:821680.1/13

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.181+/-0.003 χ^2/NDF:1823882.7/12

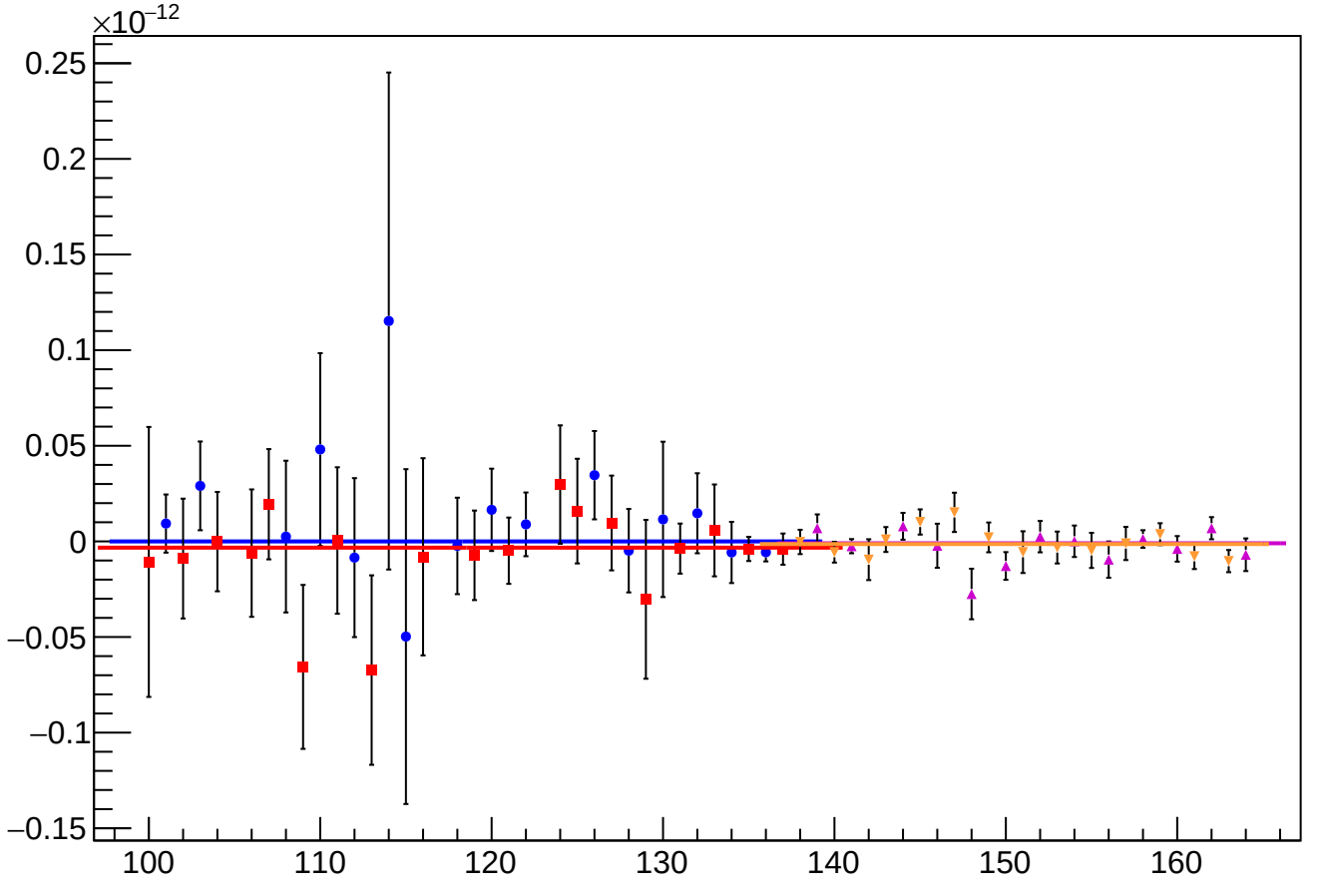
Left: 14.288+/-0.002 χ^2/NDF: 2647668.9/26

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.451+/-0.003 χ^2/NDF:5283548.1/28

Out: 14.376+/-0.003 χ^2/NDF:4450743.7/32

All: 14.413+/-0.002 χ^2/NDF: 9734693.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/12

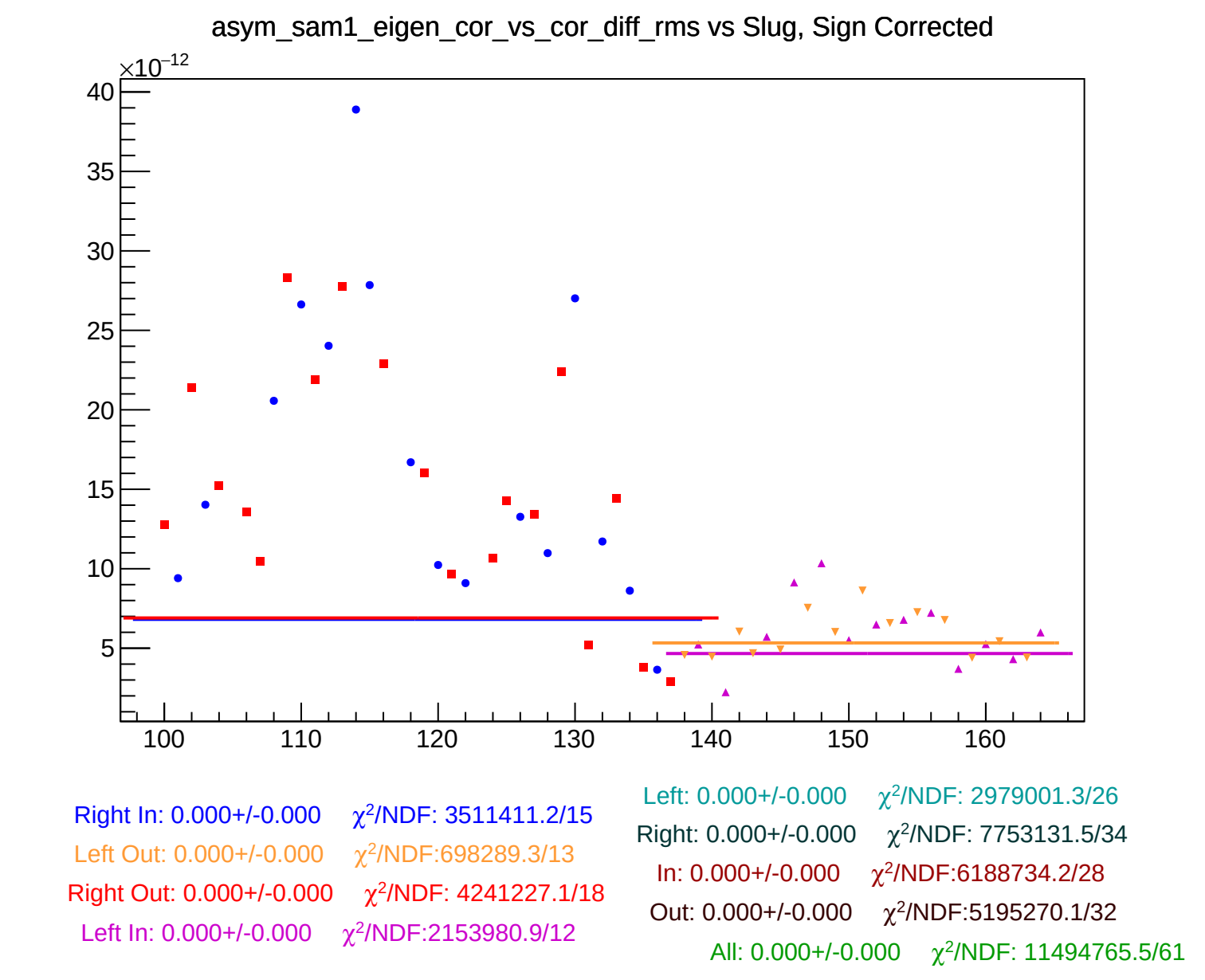
Left: -0.000+/-0.000 χ^2/NDF: 25.1/26

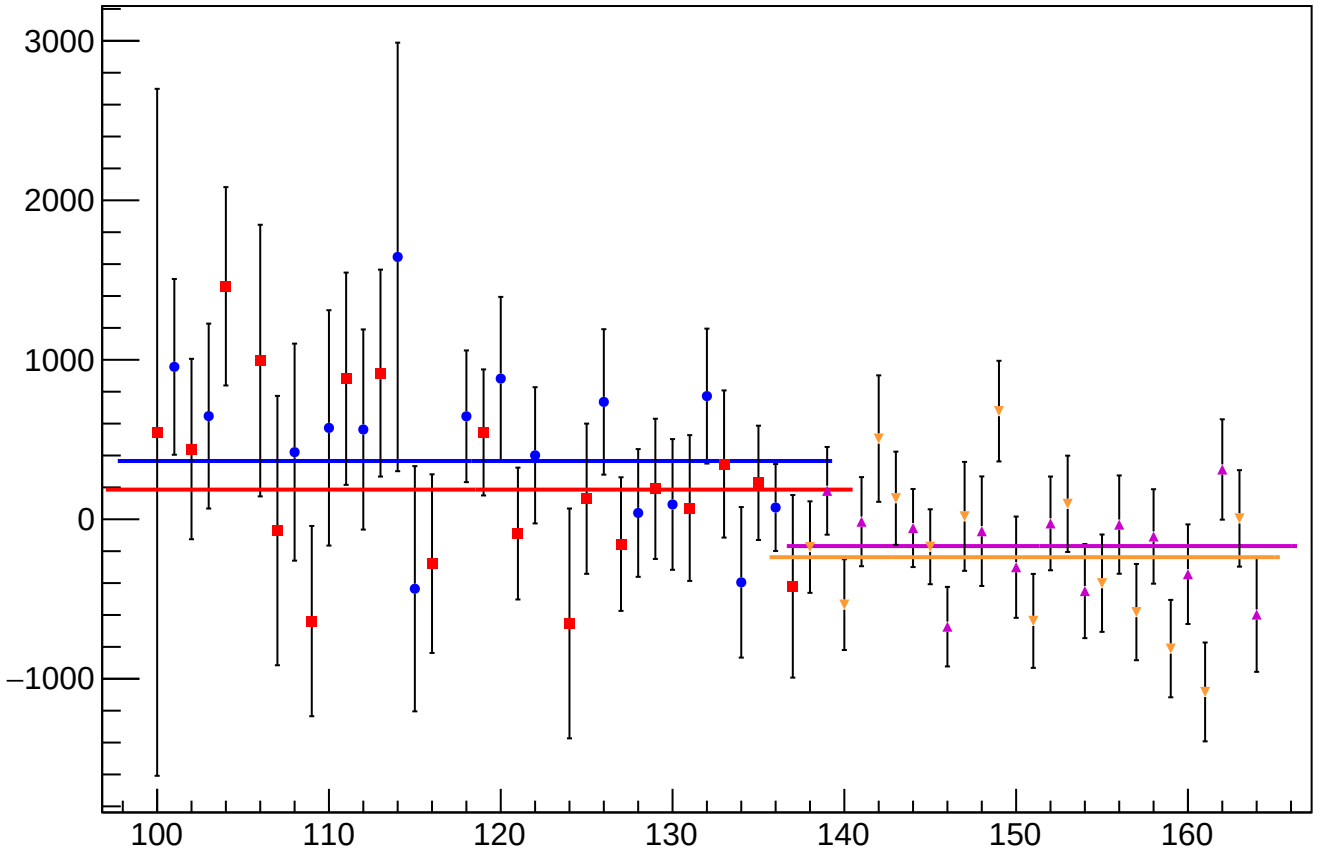
Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

In: -0.000+/-0.000 χ^2/NDF:22.8/28

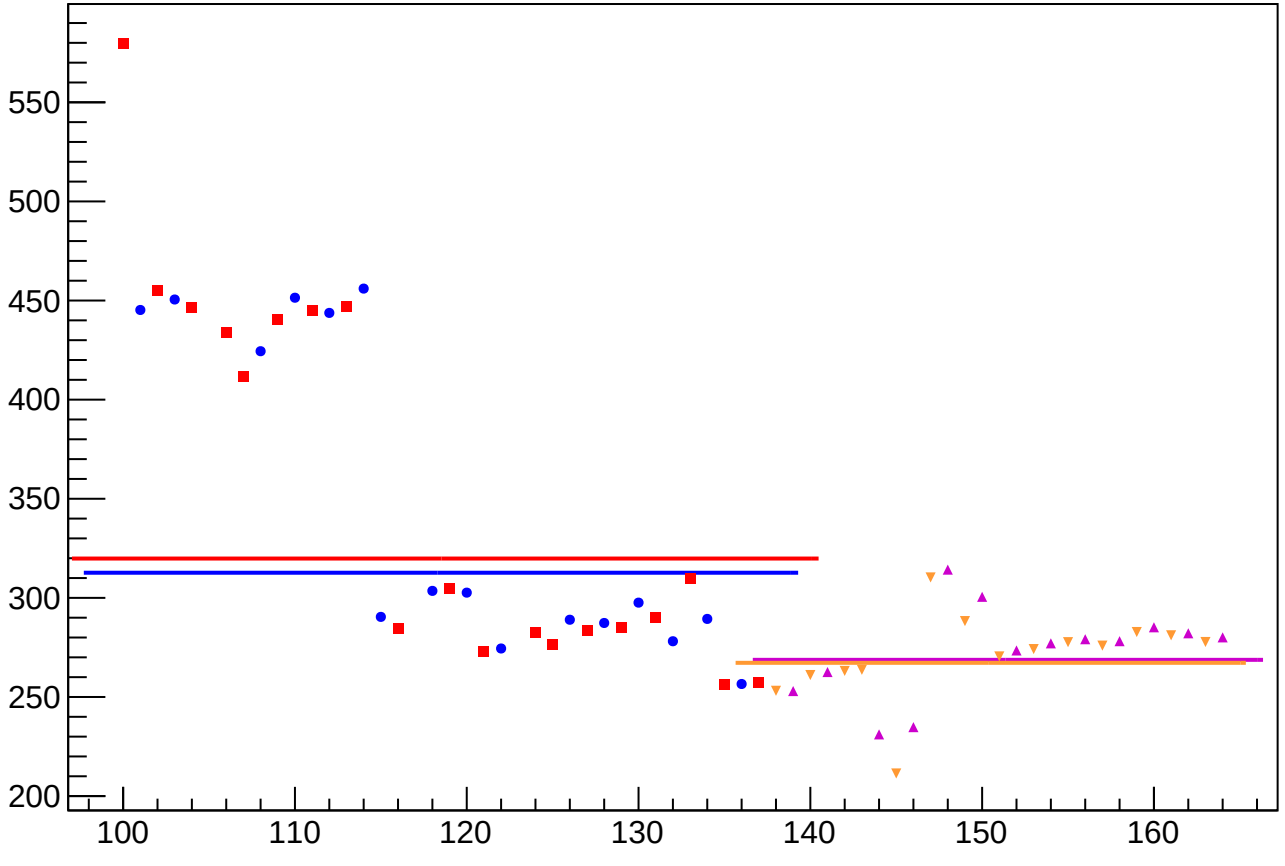
Out: -0.000+/-0.000 χ^2/NDF:18.8/32

All: -0.000+/-0.000 χ^2/NDF: 41.8/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:698289.3/13
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2153980.9/12
Left: 0.000+/-0.000 χ²/NDF: 2979001.3/26
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:6188734.2/28
Out: 0.000+/-0.000 χ²/NDF:5195270.1/32
All: 0.000+/-0.000 χ²/NDF: 11494765.5/61


reg_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
100
110
120
130
140
150
160
Right In: 365.540+/-118.873 χ²/NDF: 11.5/15
Left Out: -237.664+/-80.169 χ²/NDF:31.6/13
Right Out: 186.141+/-120.188 χ²/NDF: 15.0/18
Left In: -167.886+/-81.571 χ²/NDF:11.9/12
Left: -203.379+/-57.178 χ²/NDF: 43.9/26
Right: 276.827+/-84.517 χ²/NDF: 27.6/34
In: 2.882+/-67.259 χ²/NDF:37.1/28
Out: -107.162+/-66.694 χ²/NDF:55.2/32
All: -52.604+/-47.358 χ²/NDF: 93.6/61

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 267.236+/-0.057 χ^2/NDF:176822.4/13

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 268.739+/-0.058 χ^2/NDF:164511.4/12

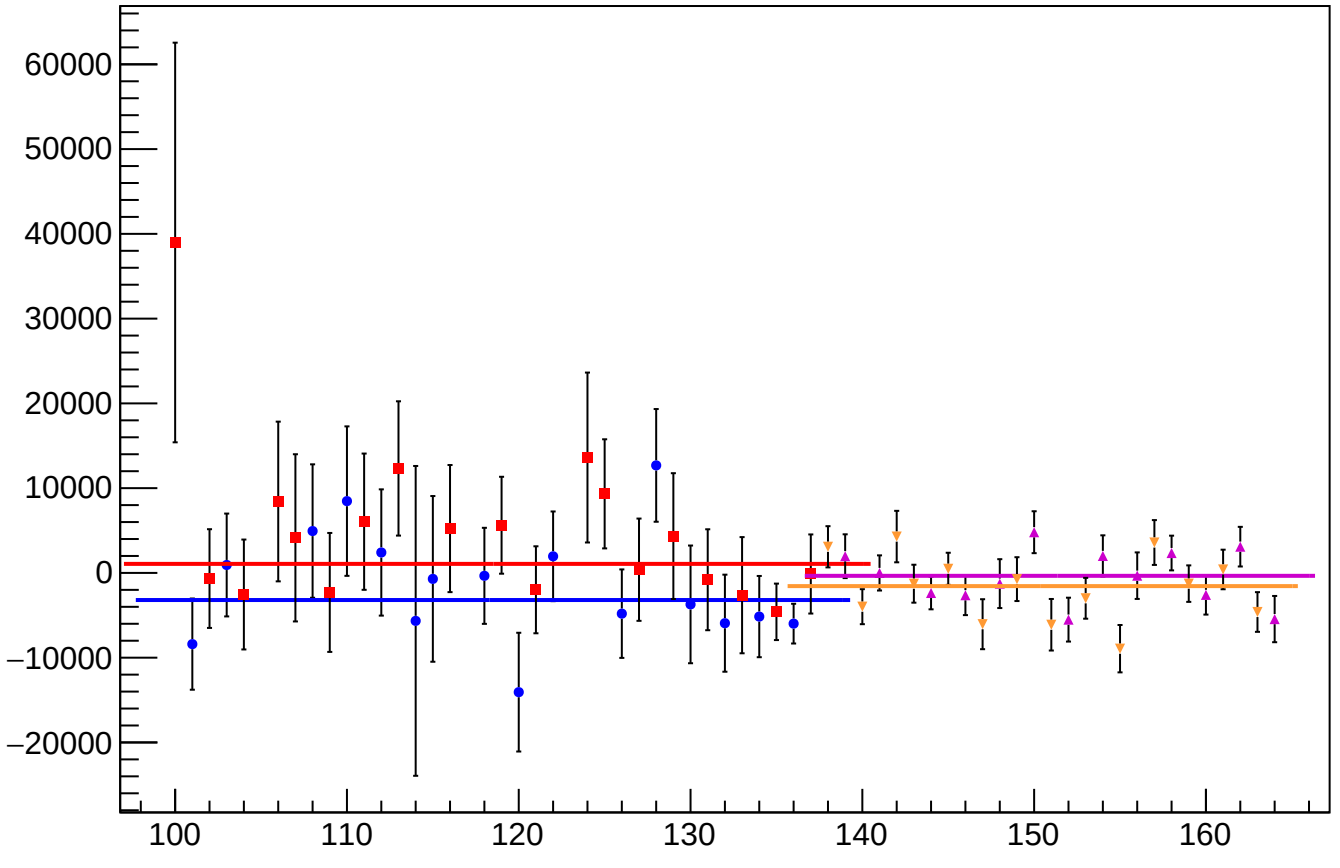
Left: 267.975+/-0.040 χ^2/NDF: 341679.1/26

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 282.807+/-0.048 χ^2/NDF:952534.6/28

Out: 283.434+/-0.047 χ^2/NDF:1139860.4/32

All: 283.123+/-0.033 χ^2/NDF: 2092482.9/61



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1557.231+/-647.012 χ^2/NDF:28.1/13

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -343.177+/-658.320 χ^2/NDF:20.5/12

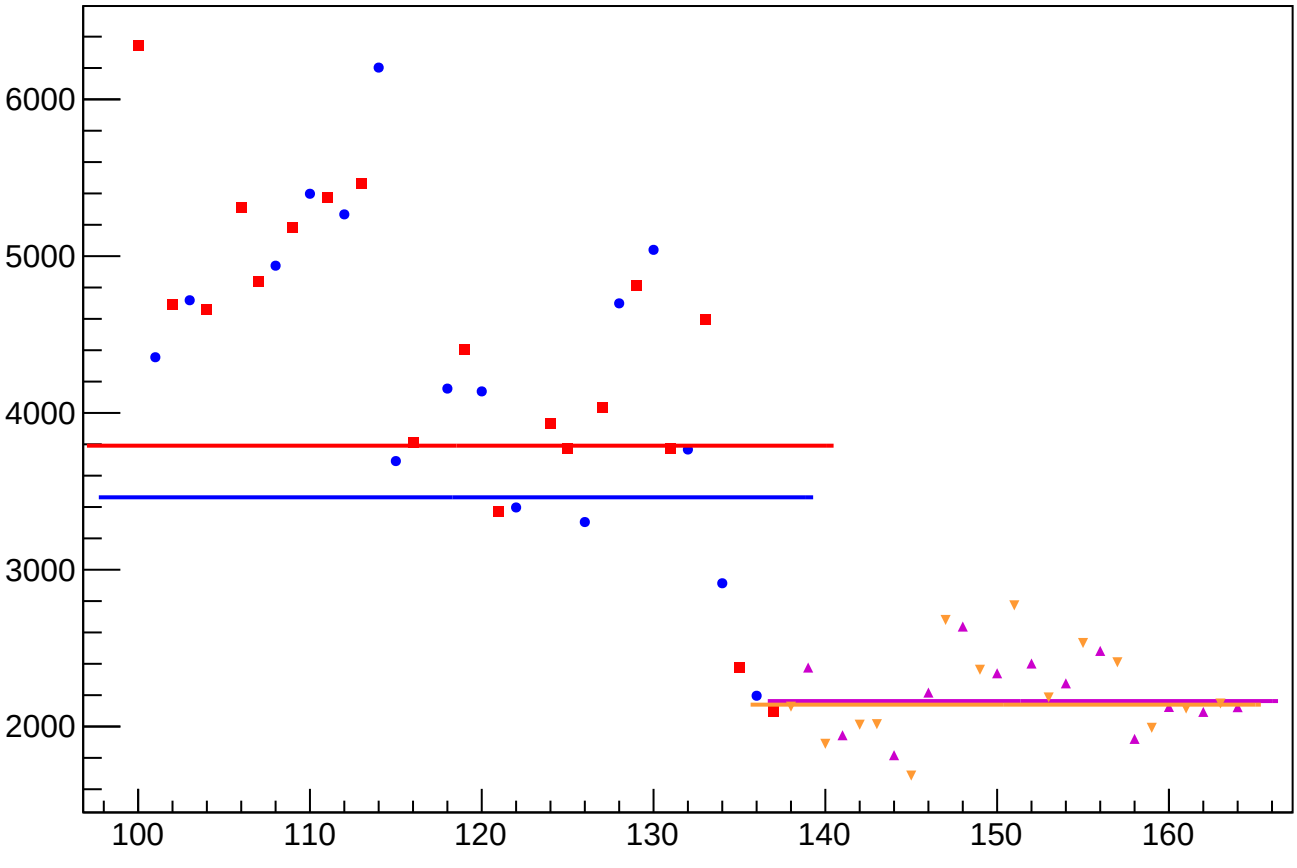
Left: -960.720+/-461.452 χ^2/NDF: 50.4/26

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -889.272+/-592.034 χ^2/NDF:40.2/28

Out: -1118.300+/-590.404 χ^2/NDF:45.3/32

All: -1004.102+/-418.054 χ^2/NDF: 85.6/61



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2139.507+/-0.458 χ^2/NDF:392748.7/13

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2162.330+/-0.466 χ^2/NDF:244450.1/12

Left: 2150.721+/-0.326 χ^2/NDF: 638421.5/26

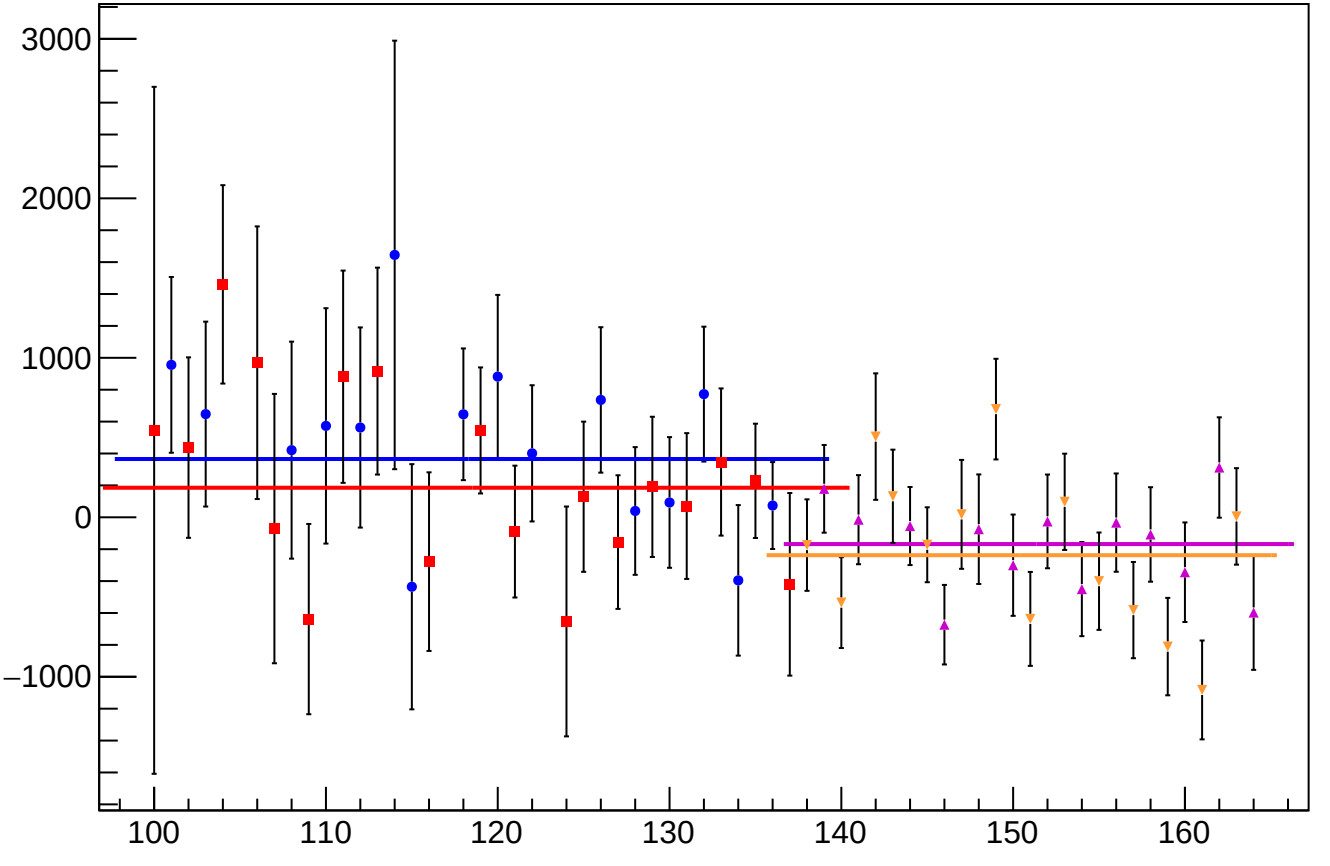
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2410.864+/-0.419 χ^2/NDF:3044592.4/28

Out: 2415.884+/-0.417 χ^2/NDF:3729411.8/32

All: 2413.381+/-0.296 χ^2/NDF: 6774076.2/61

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.653+/-80.169 χ^2/NDF:31.6/13

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -167.889+/-81.571 χ^2/NDF:11.9/12

Left: -203.376+/-57.178 χ^2/NDF: 43.9/26

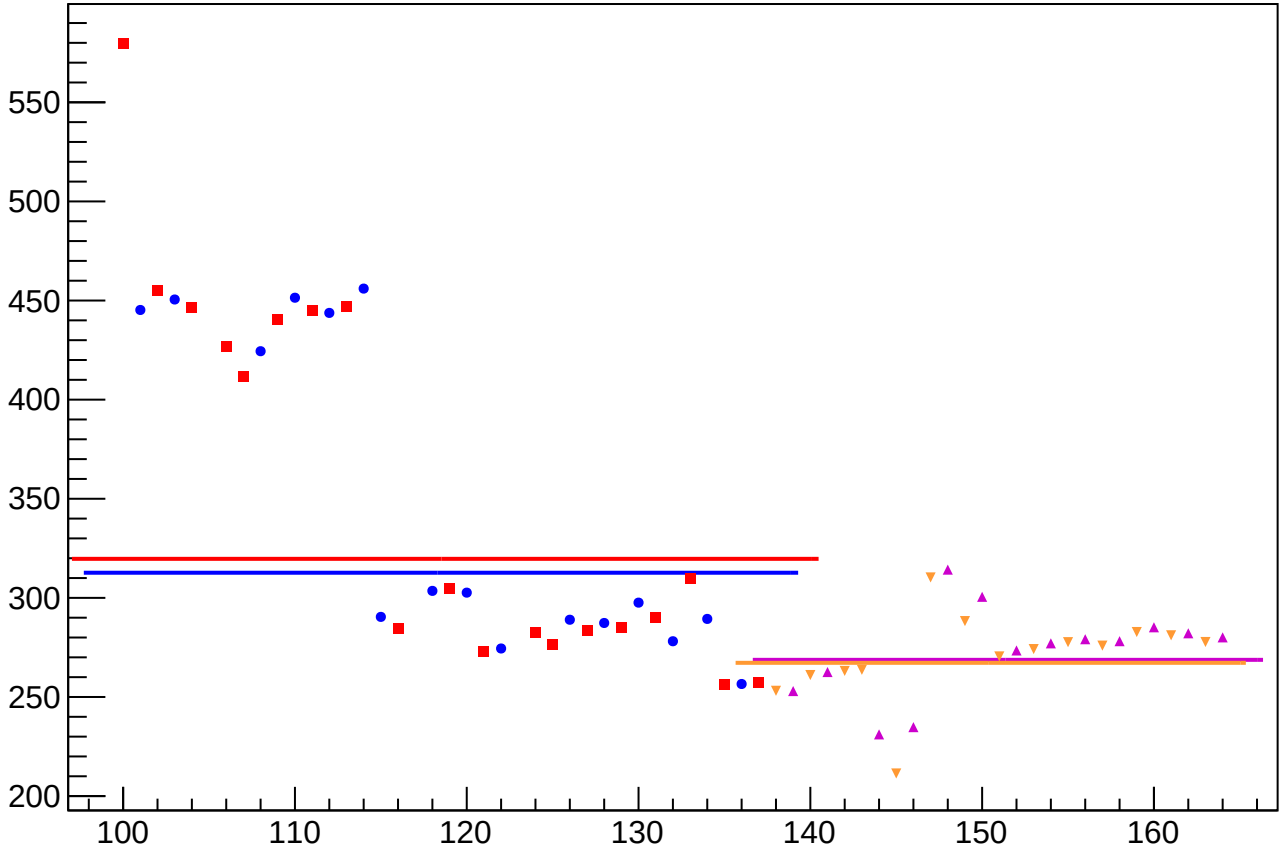
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 2.874+/-67.259 χ^2/NDF:37.1/28

Out: -107.422+/-66.696 χ^2/NDF:55.1/32

All: -52.737+/-47.359 χ^2/NDF: 93.5/61

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 267.236+/-0.057 χ^2/NDF:176822.4/13

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 268.739+/-0.058 χ^2/NDF:164511.4/12

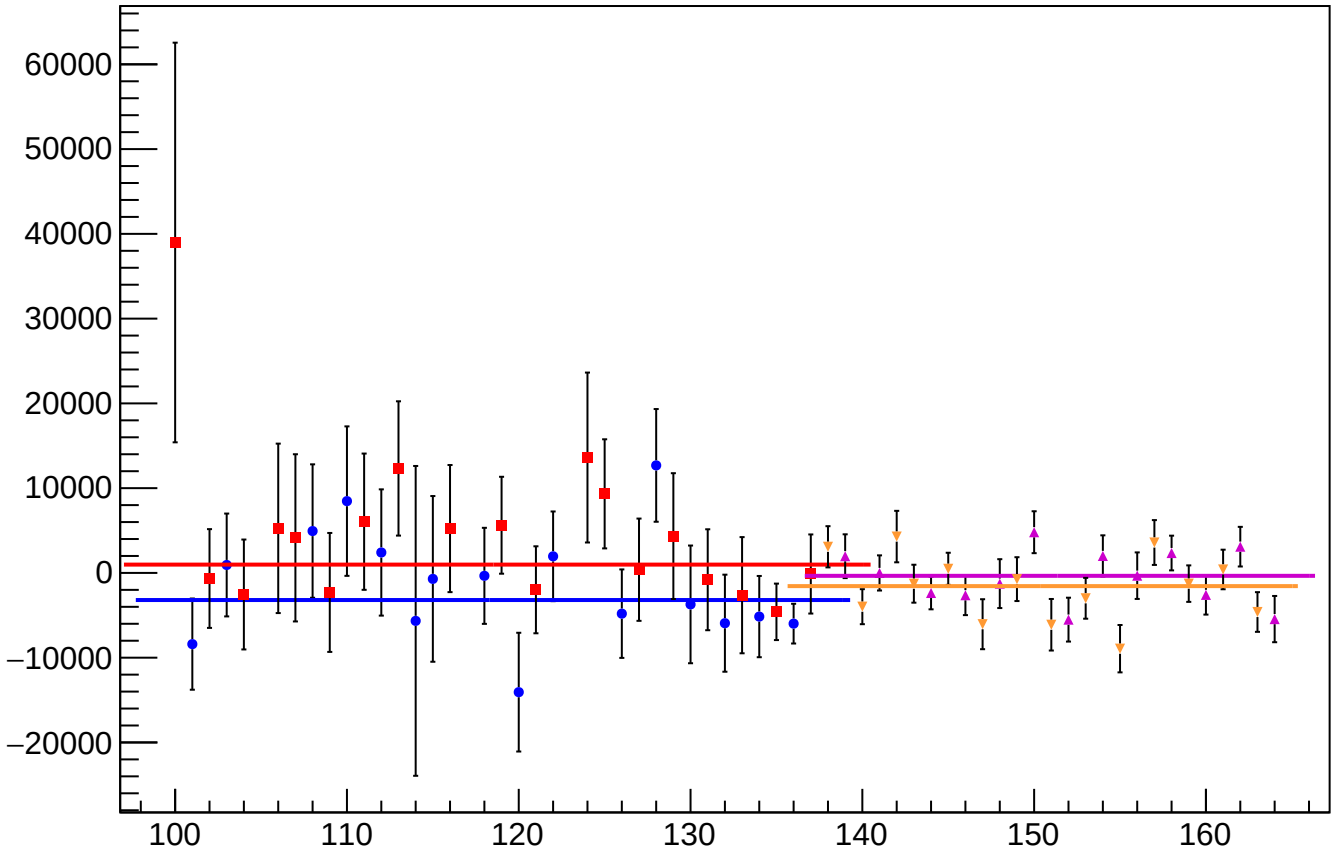
Left: 267.975+/-0.040 χ^2/NDF: 341679.1/26

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 282.807+/-0.048 χ^2/NDF:952536.2/28

Out: 283.387+/-0.047 χ^2/NDF:1134171.4/32

All: 283.099+/-0.033 χ^2/NDF: 2086782.5/61



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1557.218+/-647.012 χ^2/NDF:28.1/13

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -343.170+/-658.320 χ^2/NDF:20.5/12

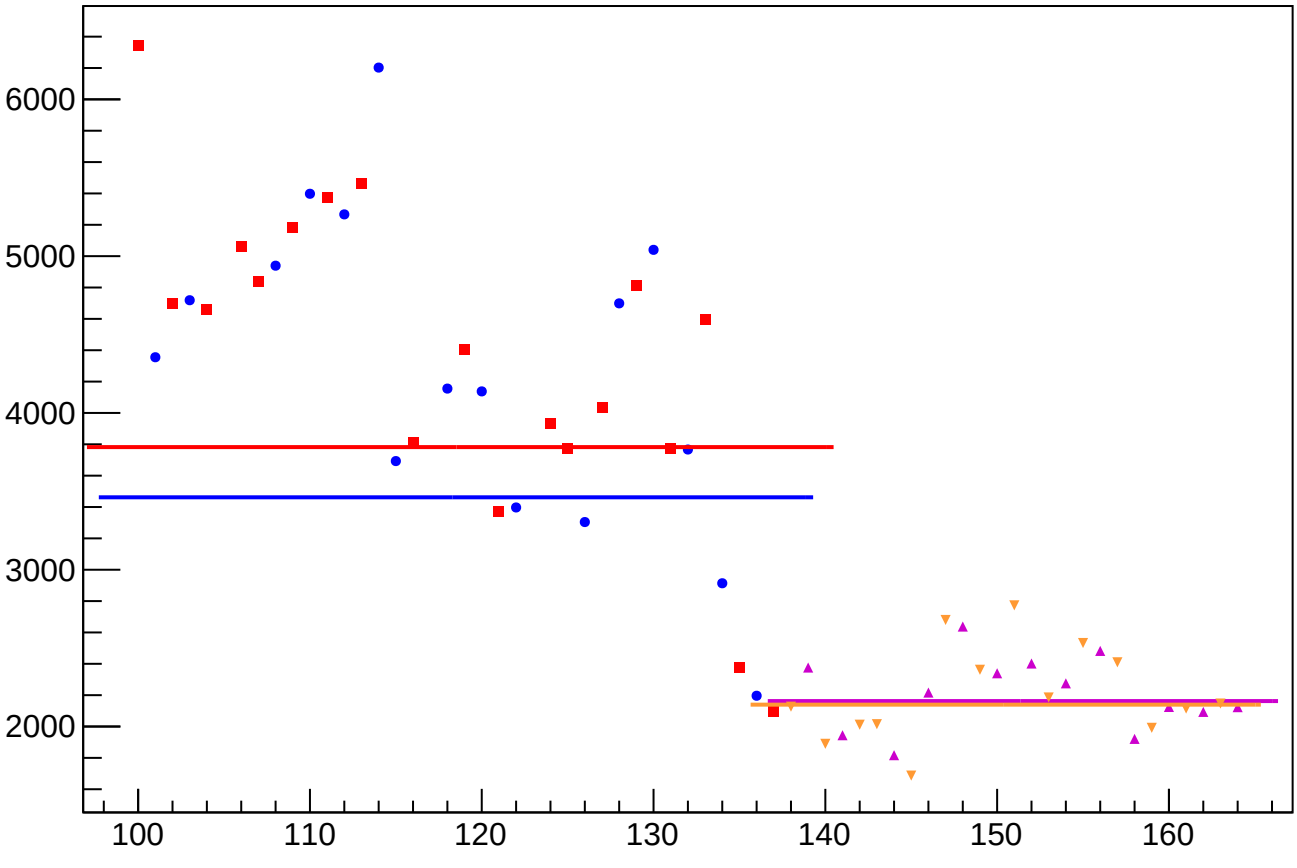
Left: -960.710+/-461.453 χ^2/NDF: 50.4/26

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -889.252+/-592.035 χ^2/NDF:40.2/28

Out: -1133.461+/-590.536 χ^2/NDF:44.6/32

All: -1011.666+/-418.101 χ^2/NDF: 85.0/61



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2139.507+/-0.458 χ^2/NDF:392749.7/13

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2162.331+/-0.466 χ^2/NDF:244450.0/12

Left: 2150.722+/-0.326 χ^2/NDF: 638422.5/26

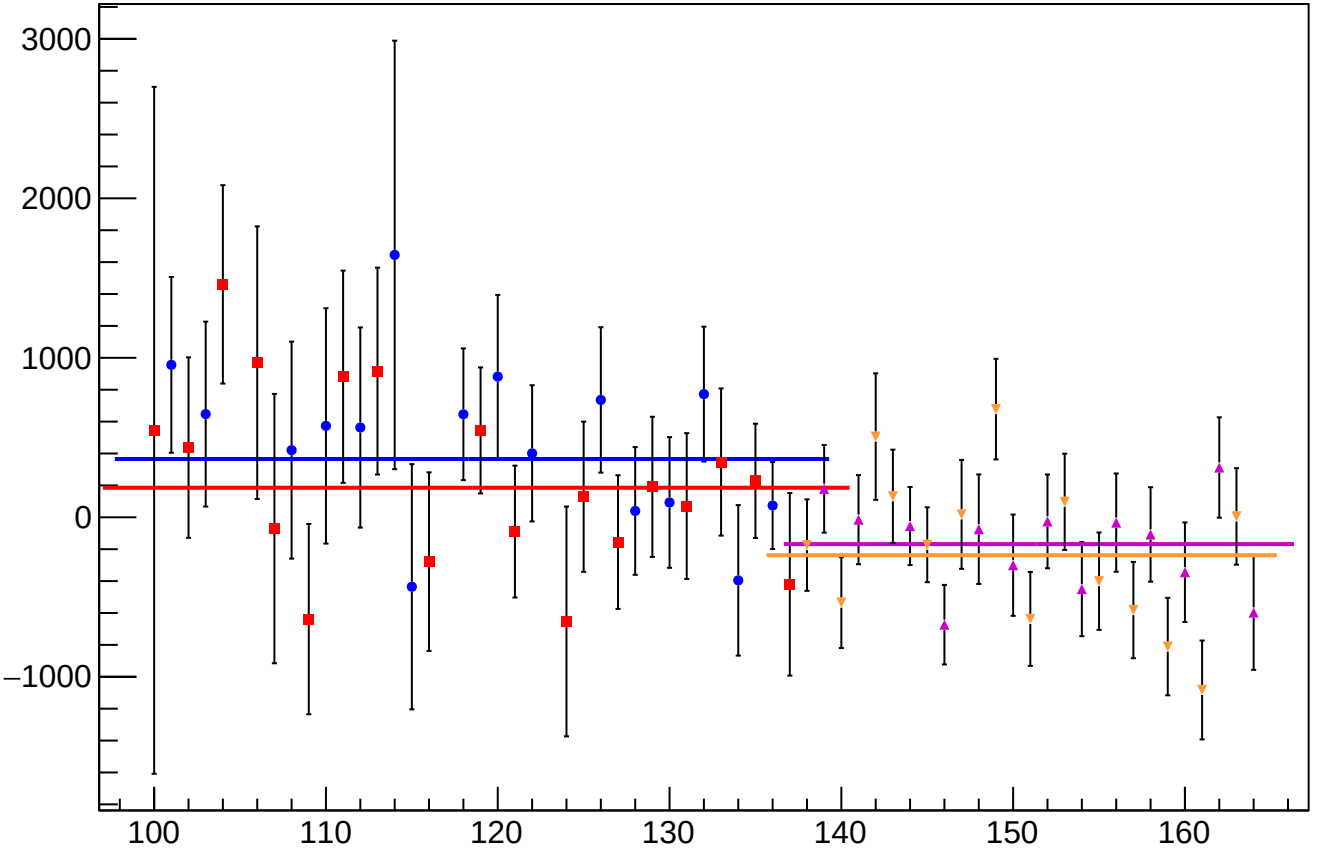
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2410.865+/-0.419 χ^2/NDF:3044610.7/28

Out: 2413.759+/-0.418 χ^2/NDF:3681397.7/32

All: 2412.315+/-0.296 χ^2/NDF: 6726032.3/61

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.653+/-80.169 χ^2/NDF:31.6/13

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -167.889+/-81.571 χ^2/NDF:11.9/12

Left: -203.376+/-57.178 χ^2/NDF: 43.9/26

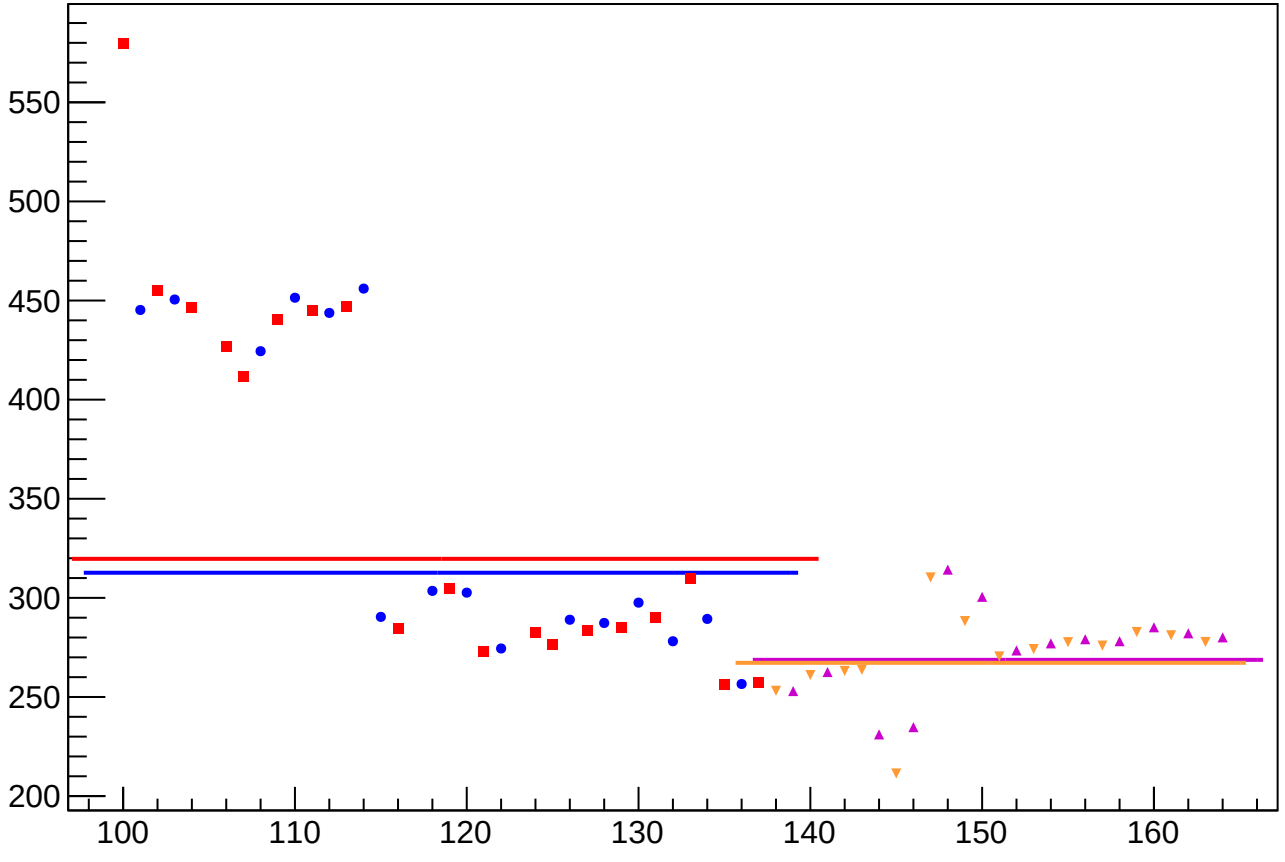
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 2.874+/-67.259 χ^2/NDF:37.1/28

Out: -107.422+/-66.696 χ^2/NDF:55.1/32

All: -52.737+/-47.359 χ^2/NDF: 93.5/61

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 267.236+/-0.057 χ^2/NDF:176822.4/13

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 268.739+/-0.058 χ^2/NDF:164511.4/12

Left: 267.975+/-0.040 χ^2/NDF: 341679.1/26

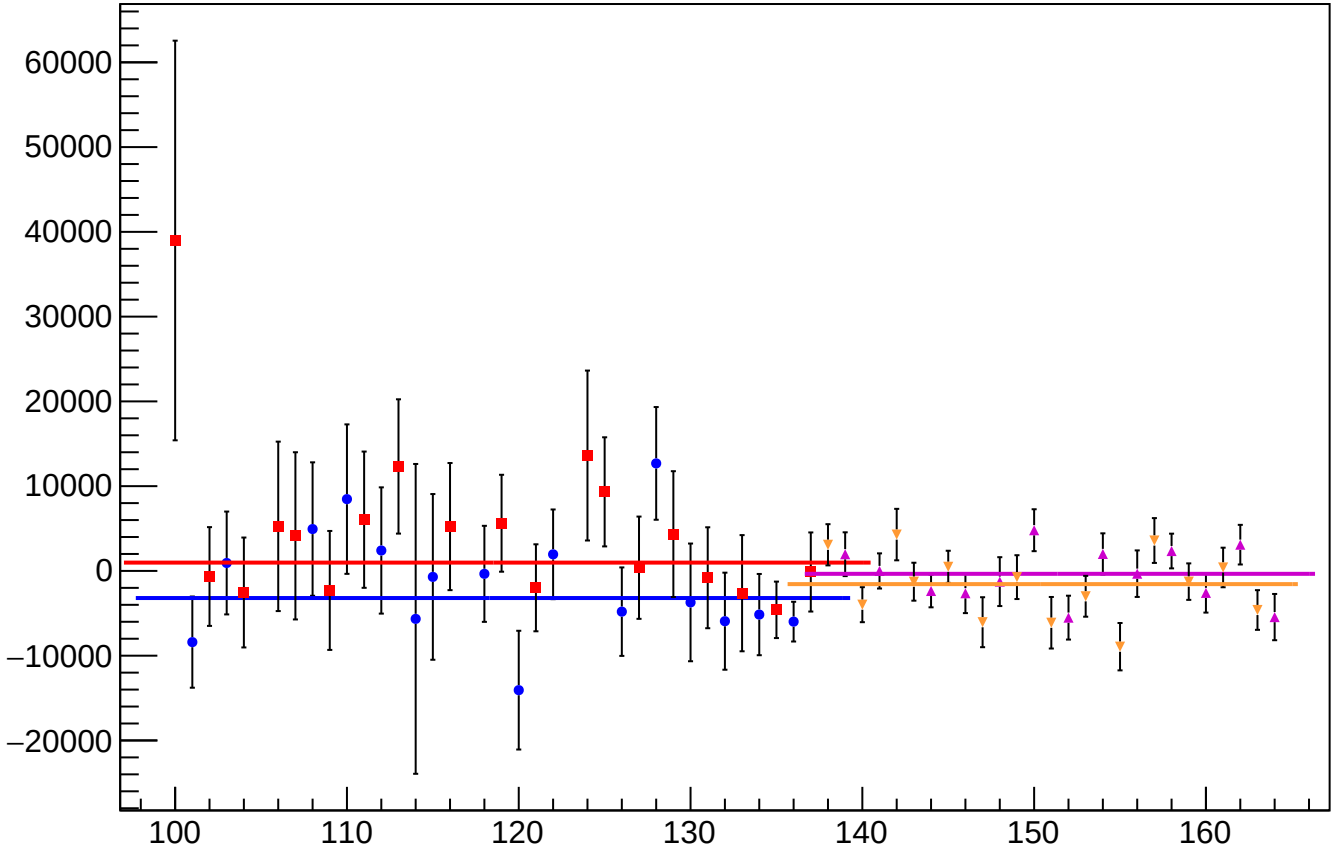
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 282.807+/-0.048 χ^2/NDF:952536.2/28

Out: 283.387+/-0.047 χ^2/NDF:1134171.4/32

All: 283.099+/-0.033 χ^2/NDF: 2086782.5/61

asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1557.218+/-647.012 χ^2/NDF:28.1/13

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -343.170+/-658.320 χ^2/NDF:20.5/12

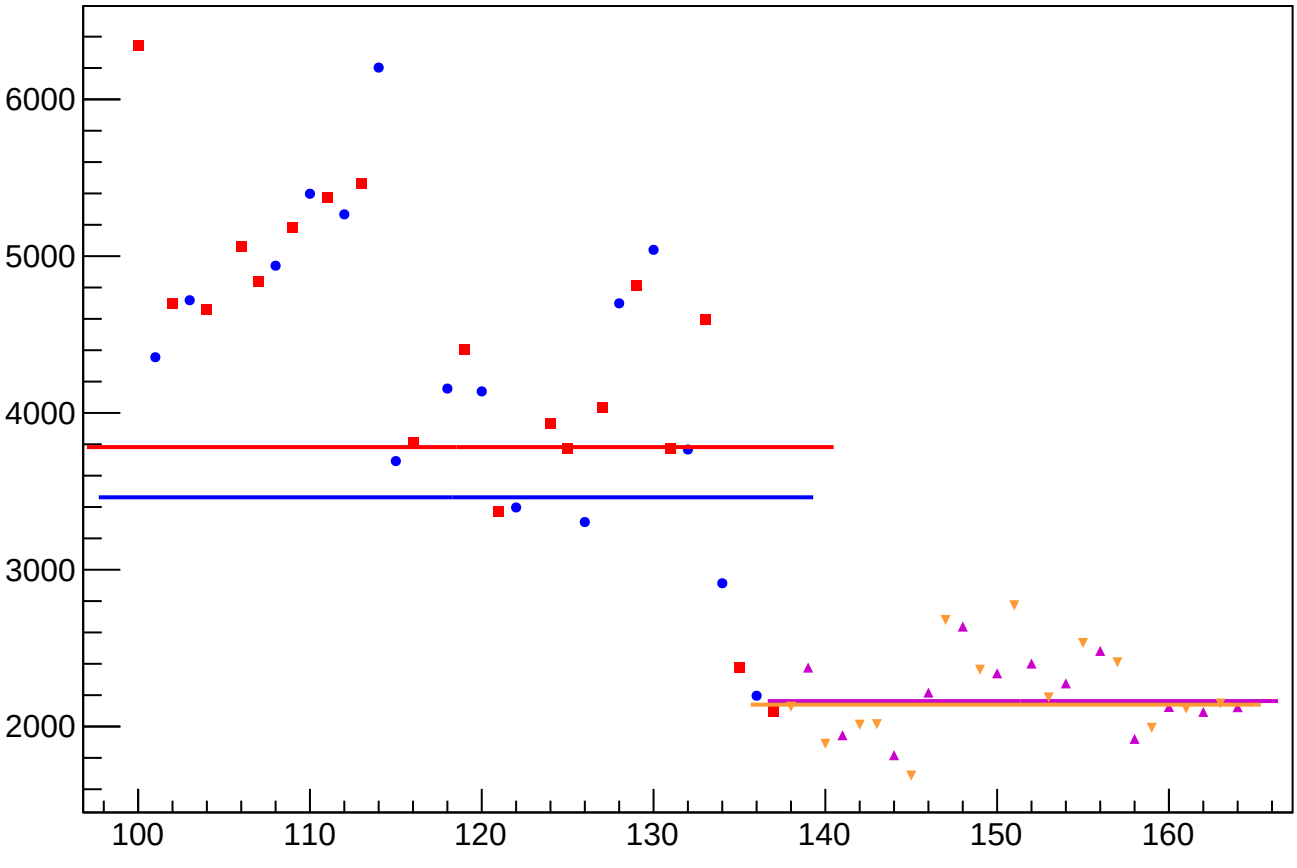
Left: -960.710+/-461.453 χ^2/NDF: 50.4/26

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -889.252+/-592.035 χ^2/NDF:40.2/28

Out: -1133.461+/-590.536 χ^2/NDF:44.6/32

All: -1011.666+/-418.101 χ^2/NDF: 85.0/61



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2139.507+/-0.458 χ^2/NDF:392749.7/13

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2162.331+/-0.466 χ^2/NDF:244450.0/12

Left: 2150.722+/-0.326 χ^2/NDF: 638422.5/26

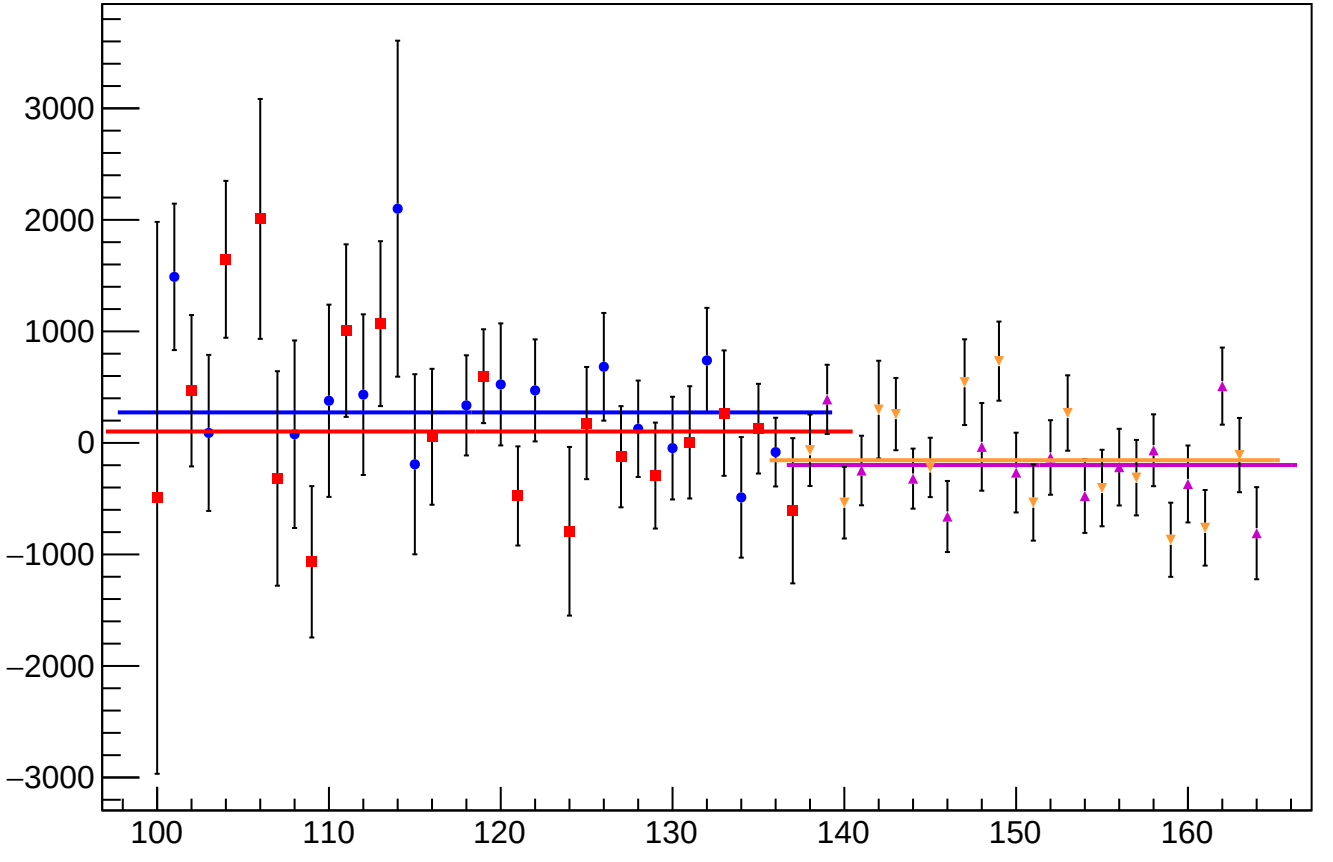
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2410.865+/-0.419 χ^2/NDF:3044610.7/28

Out: 2413.759+/-0.418 χ^2/NDF:3681397.7/32

All: 2412.315+/-0.296 χ^2/NDF: 6726032.3/61

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -155.097+/-89.684 χ^2/NDF:25.2/13

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -198.228+/-92.290 χ^2/NDF:13.7/12

Left: -176.045+/-64.318 χ^2/NDF: 39.0/26

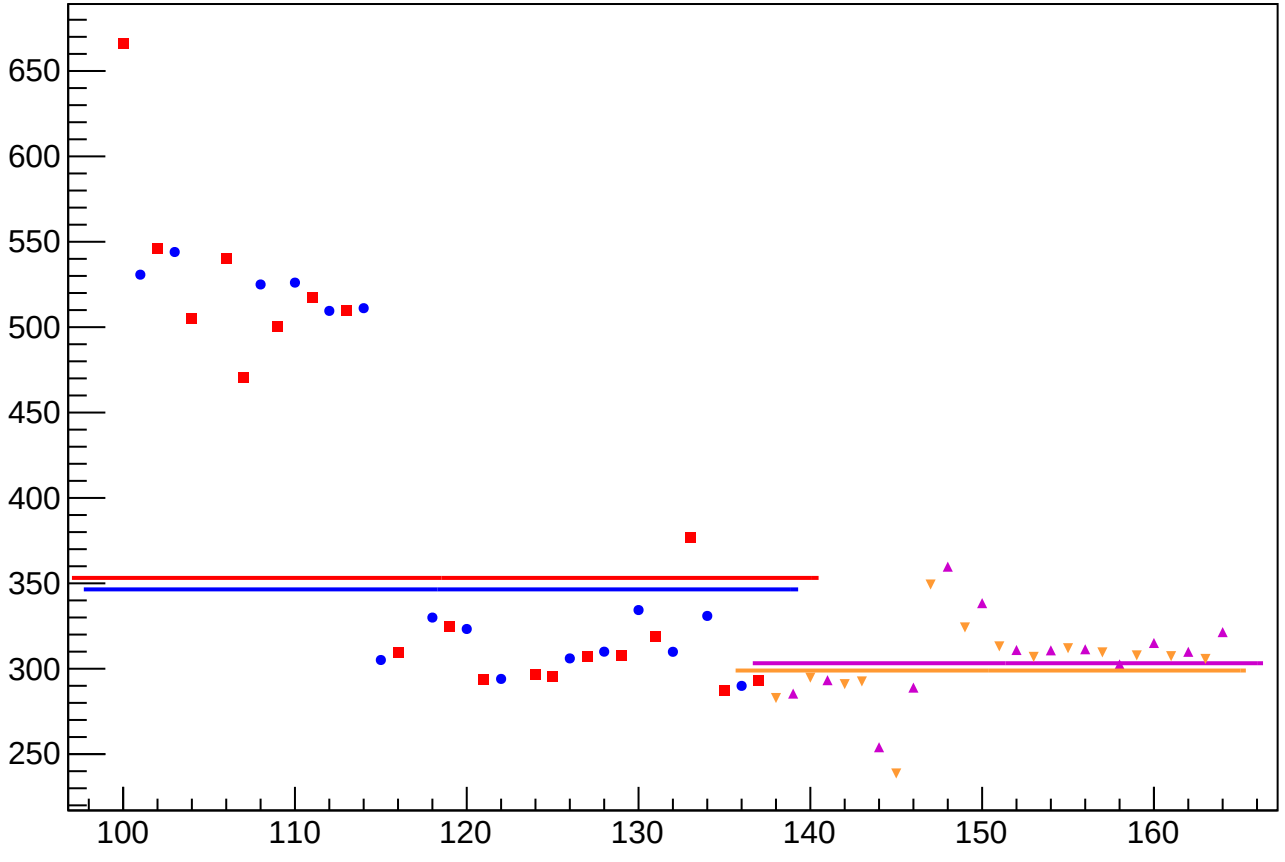
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -44.163+/-75.737 χ^2/NDF:33.7/28

Out: -75.122+/-74.463 χ^2/NDF:49.1/32

All: -59.905+/-53.098 χ^2/NDF: 82.8/61

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 298.944+/-0.063 χ^2/NDF:166734.1/13

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 303.216+/-0.065 χ^2/NDF:150325.6/12

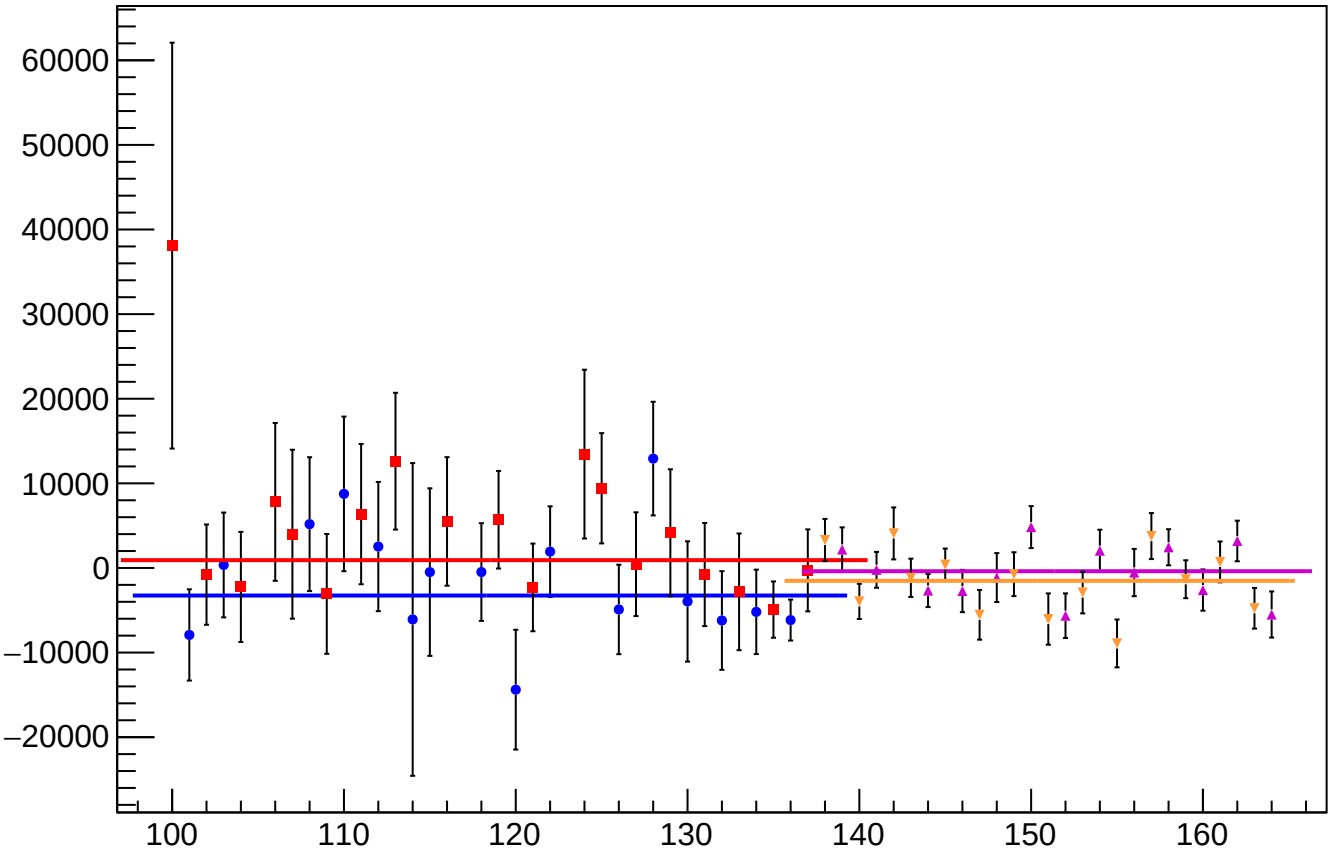
Left: 301.019+/-0.045 χ^2/NDF: 319263.8/26

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 317.336+/-0.054 χ^2/NDF:1062442.2/28

Out: 315.790+/-0.053 χ^2/NDF:1260279.0/32

All: 316.550+/-0.038 χ^2/NDF: 2323144.6/61



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1522.586+/-657.576 χ^2/NDF:27.3/13

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -387.318+/-673.714 χ^2/NDF:21.0/12

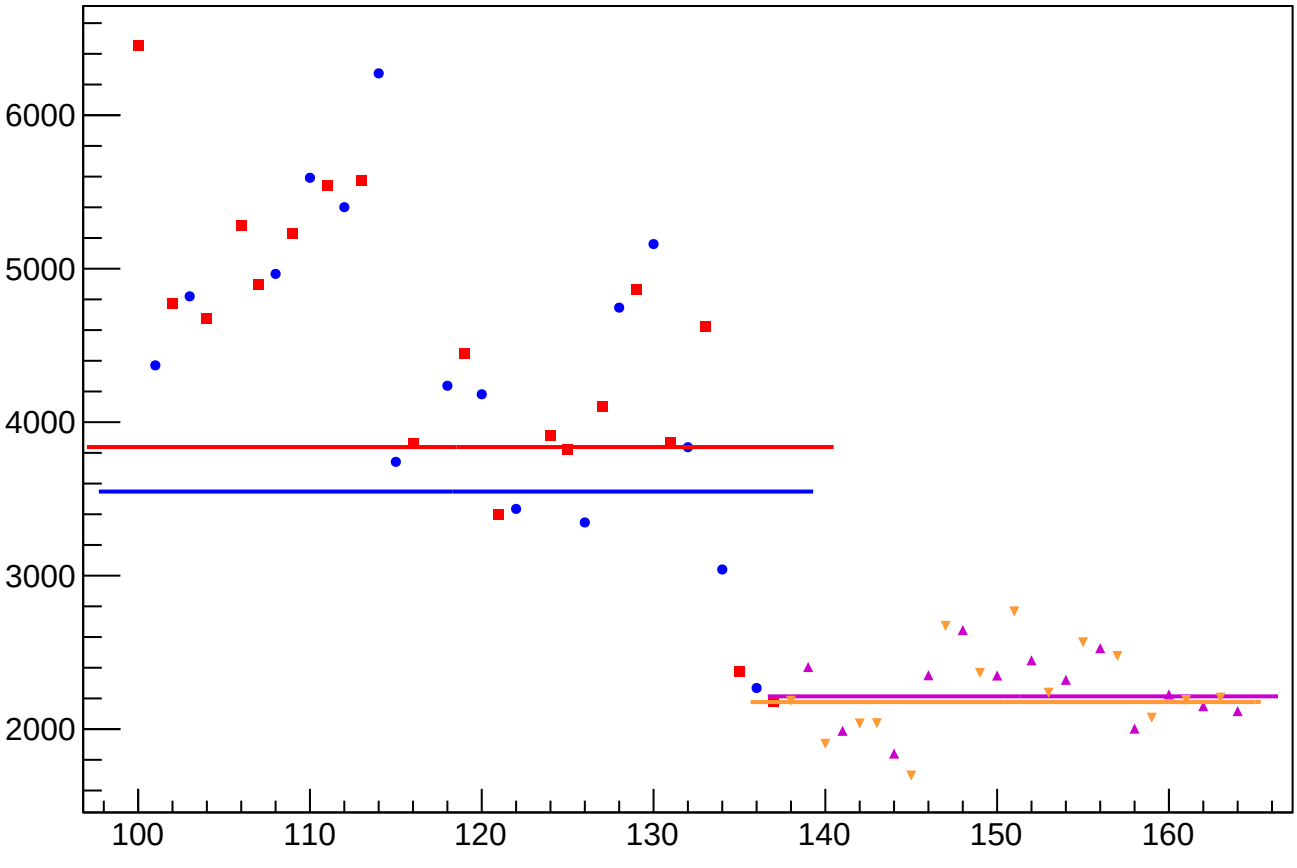
Left: -968.712+/-470.578 χ^2/NDF: 49.7/26

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -937.319+/-605.767 χ^2/NDF:40.5/28

Out: -1110.797+/-599.619 χ^2/NDF:44.2/32

All: -1024.943+/-426.152 χ^2/NDF: 84.8/61



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2176.284+/-0.465 χ^2/NDF:384561.9/13

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2213.484+/-0.476 χ^2/NDF:230939.6/12

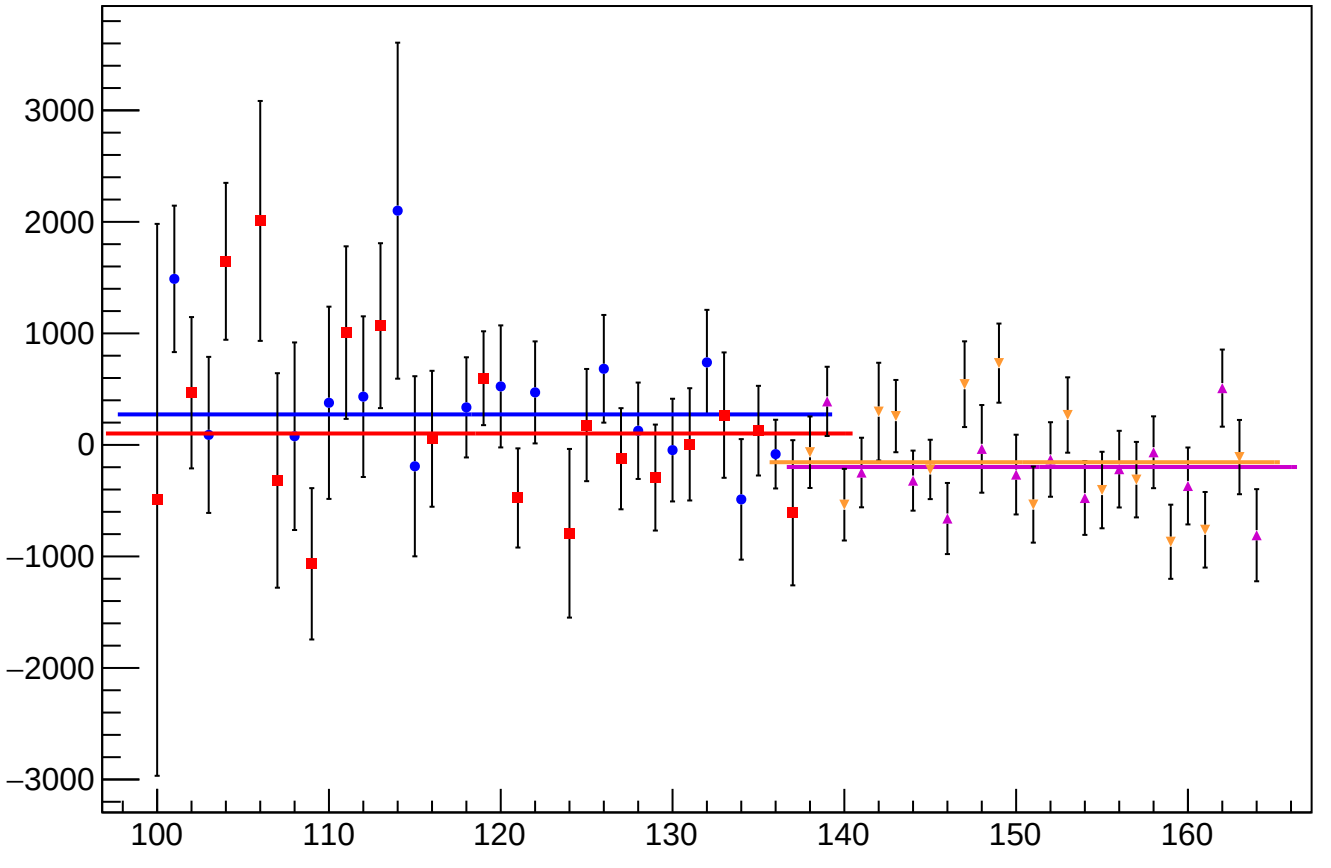
Left: 2194.433+/-0.333 χ^2/NDF: 618624.2/26

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2469.087+/-0.428 χ^2/NDF:2992424.2/28

Out: 2456.287+/-0.424 χ^2/NDF:3692426.5/32

All: 2462.621+/-0.301 χ^2/NDF: 6685301.8/61



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -155.097+/-89.684 χ^2/NDF:25.2/13

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -198.232+/-92.290 χ^2/NDF:13.7/12

Left: -176.047+/-64.318 χ^2/NDF: 39.0/26

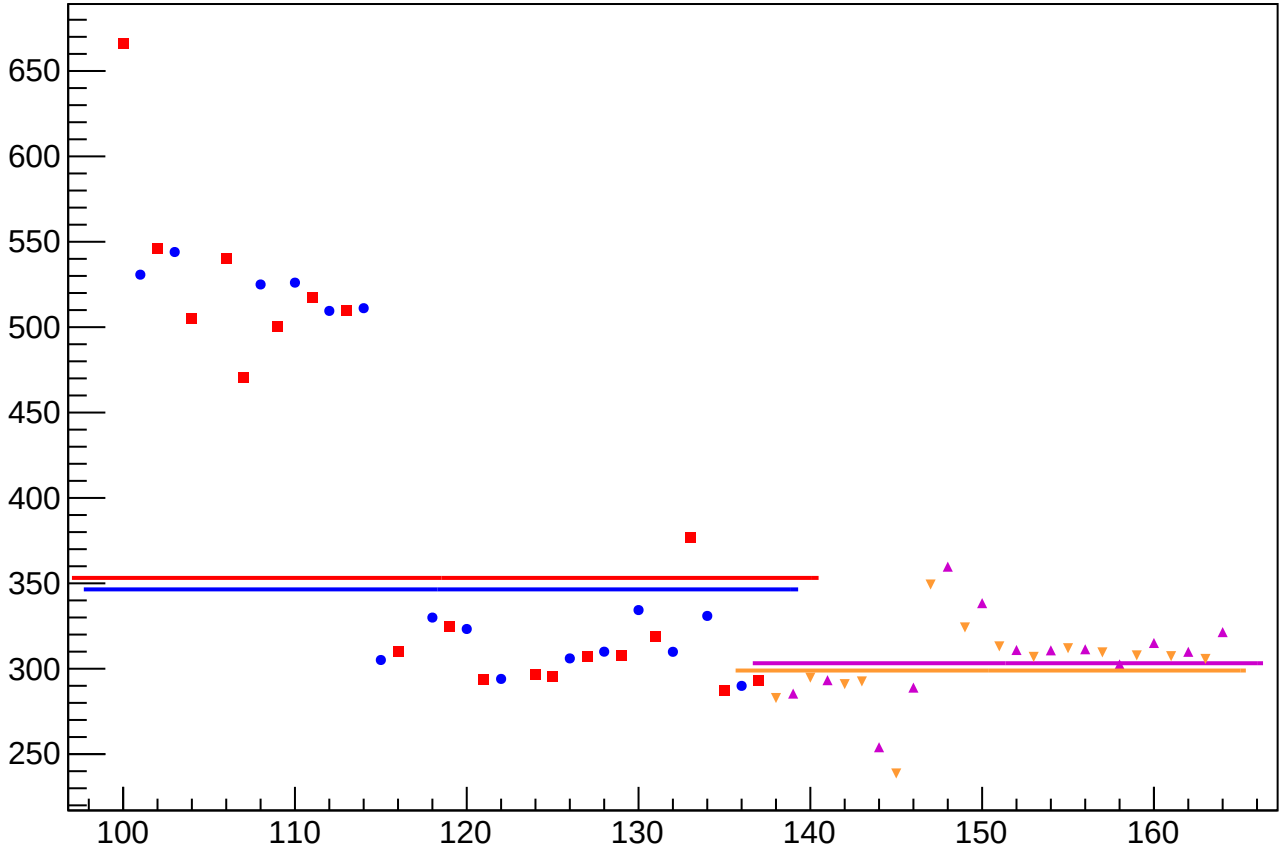
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -44.163+/-75.737 χ^2/NDF:33.7/28

Out: -75.122+/-74.463 χ^2/NDF:49.1/32

All: -59.905+/-53.098 χ^2/NDF: 82.8/61

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 298.944+/-0.063 χ^2/NDF:166737.2/13

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 303.216+/-0.065 χ^2/NDF:150327.7/12

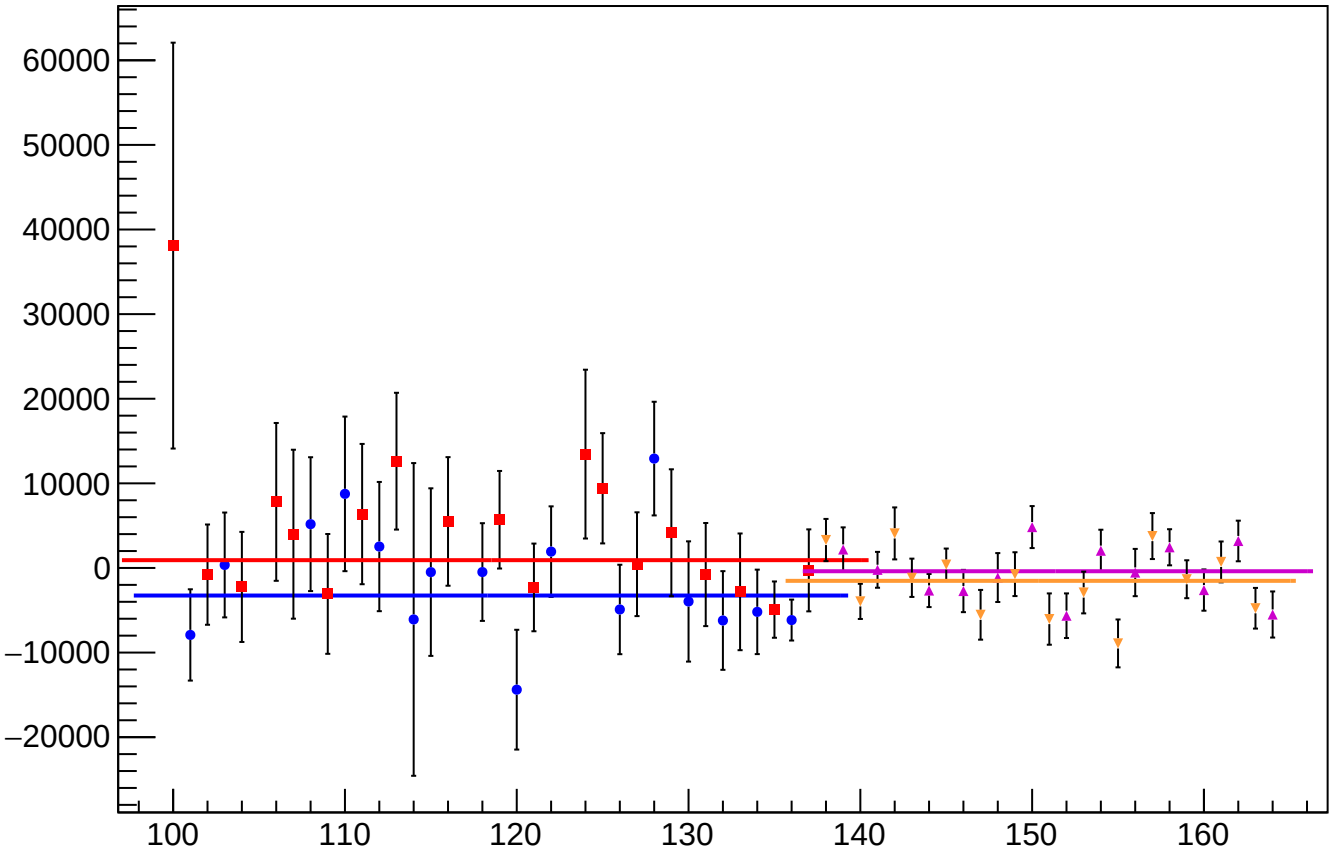
Left: 301.019+/-0.045 χ^2/NDF: 319268.9/26

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 317.335+/-0.054 χ^2/NDF:1062423.4/28

Out: 315.790+/-0.053 χ^2/NDF:1260260.8/32

All: 316.549+/-0.038 χ^2/NDF: 2323107.4/61



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1522.583+/-657.576 χ^2/NDF:27.3/13

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -387.316+/-673.714 χ^2/NDF:21.0/12

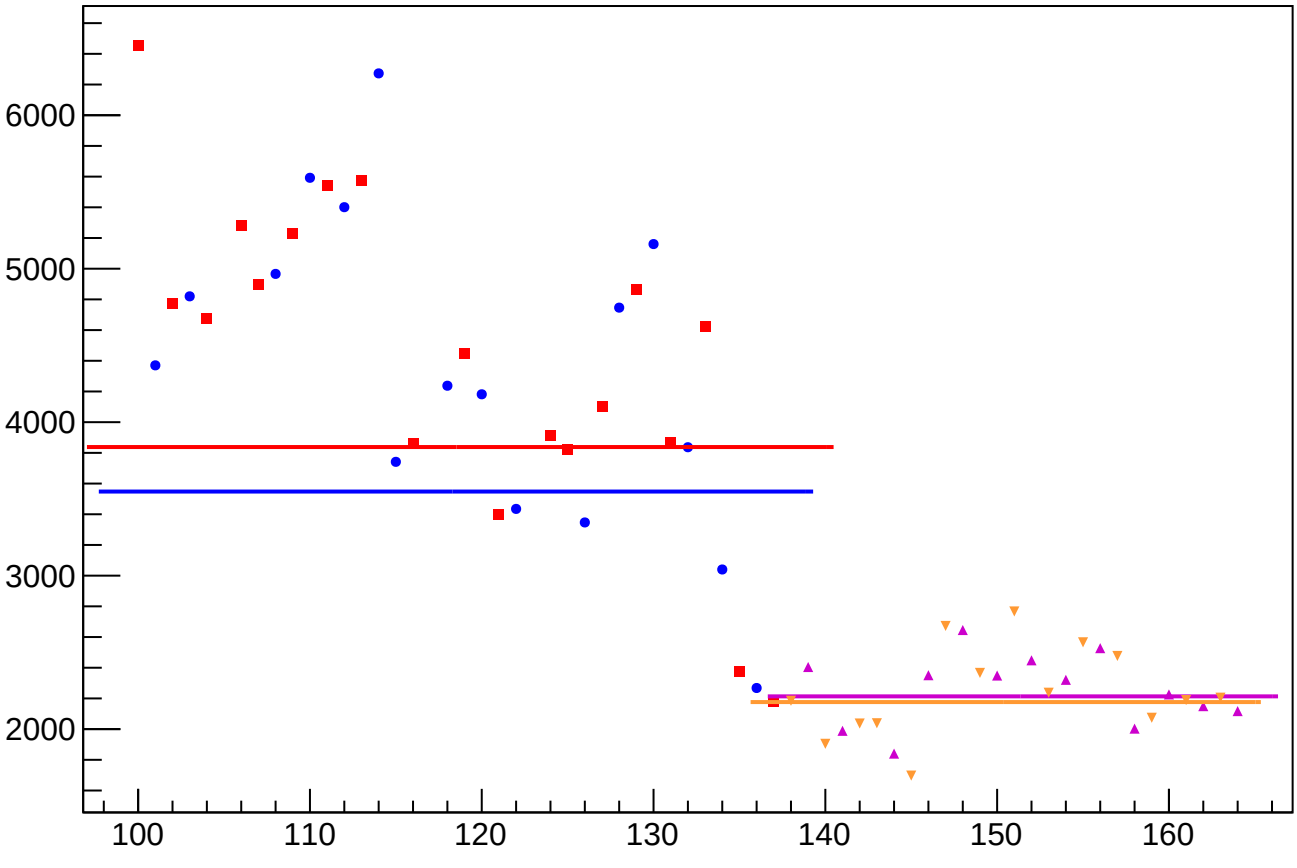
Left: -968.710+/-470.578 χ^2/NDF: 49.7/26

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -937.318+/-605.767 χ^2/NDF:40.5/28

Out: -1110.792+/-599.619 χ^2/NDF:44.2/32

All: -1024.940+/-426.152 χ^2/NDF: 84.8/61



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2176.284+/-0.465 χ^2/NDF:384568.6/13

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2213.483+/-0.476 χ^2/NDF:230940.8/12

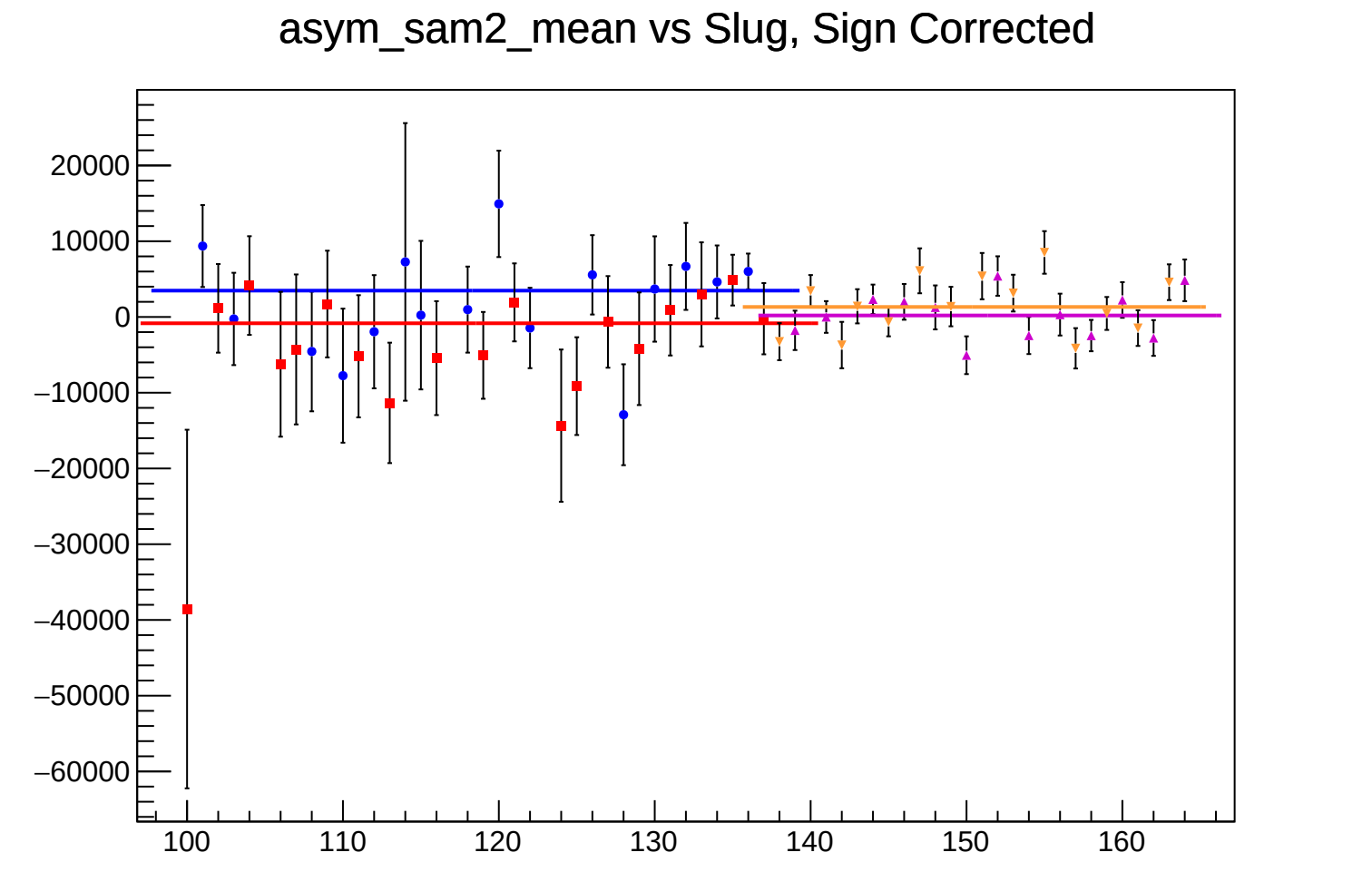
Left: 2194.433+/-0.333 χ^2/NDF: 618632.2/26

Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2469.086+/-0.428 χ^2/NDF:2992408.1/28

Out: 2456.286+/-0.424 χ^2/NDF:3692419.4/32

All: 2462.621+/-0.301 χ^2/NDF: 6685278.6/61



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1323.258+/-652.219 χ^2/NDF:27.5/13

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 198.375+/-663.611 χ^2/NDF:18.9/12

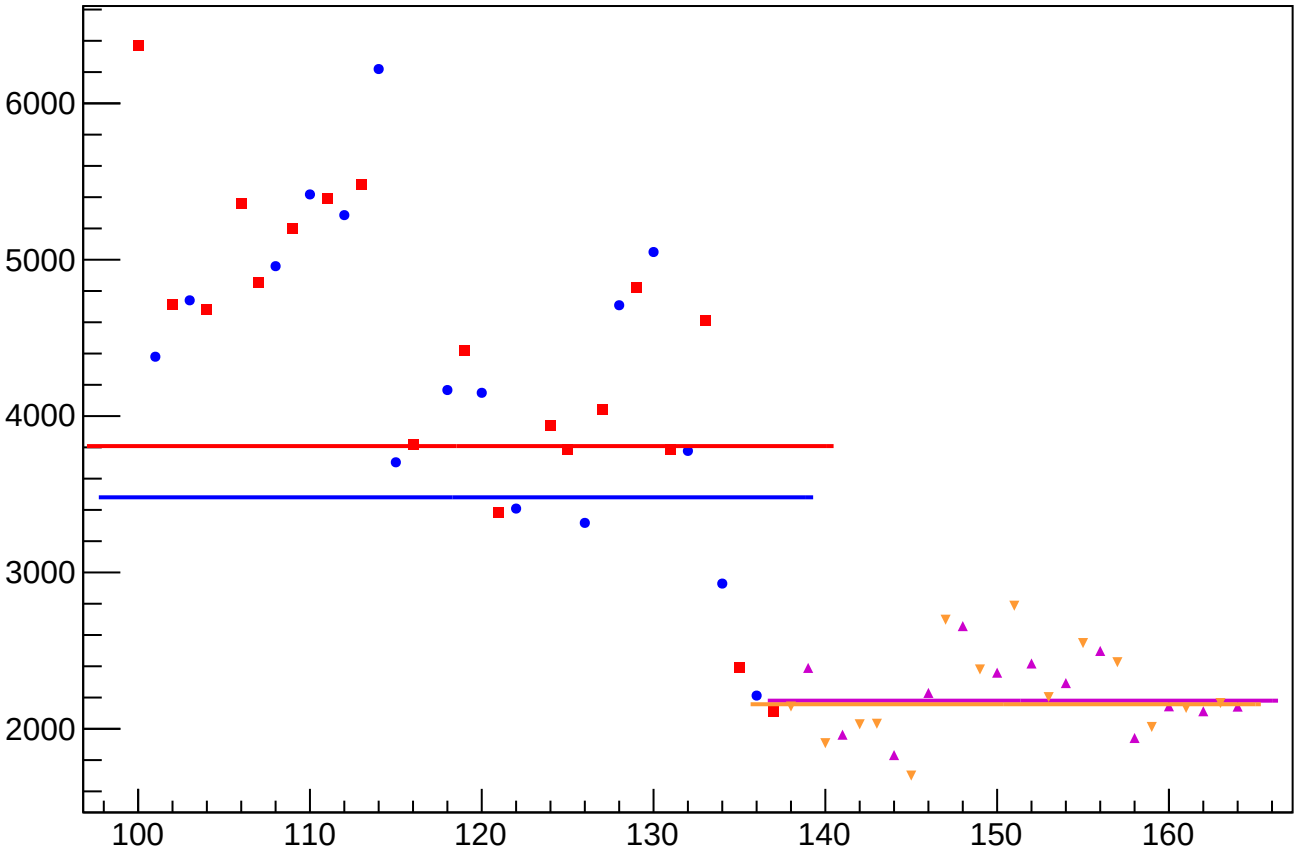
Left: 770.555+/-465.164 χ^2/NDF: 47.9/26

Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 828.876+/-596.429 χ^2/NDF:40.0/28

Out: 960.330+/-594.791 χ^2/NDF:43.3/32

All: 894.784+/-421.159 χ^2/NDF: 83.3/61



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2157.164+/-0.461 χ^2/NDF:387376.8/13

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2180.026+/-0.469 χ^2/NDF:240187.9/12

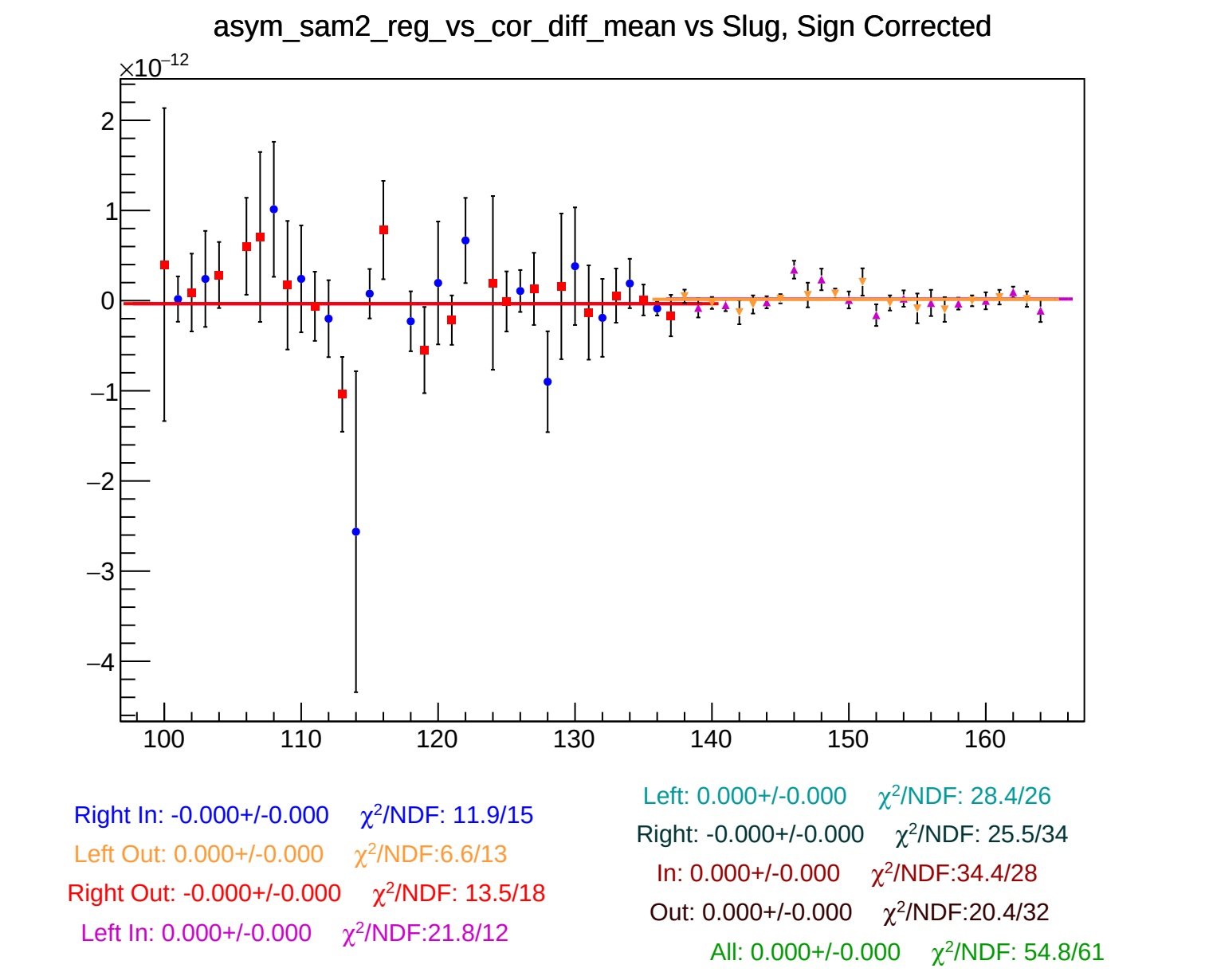
Left: 2168.397+/-0.329 χ^2/NDF: 628772.0/26

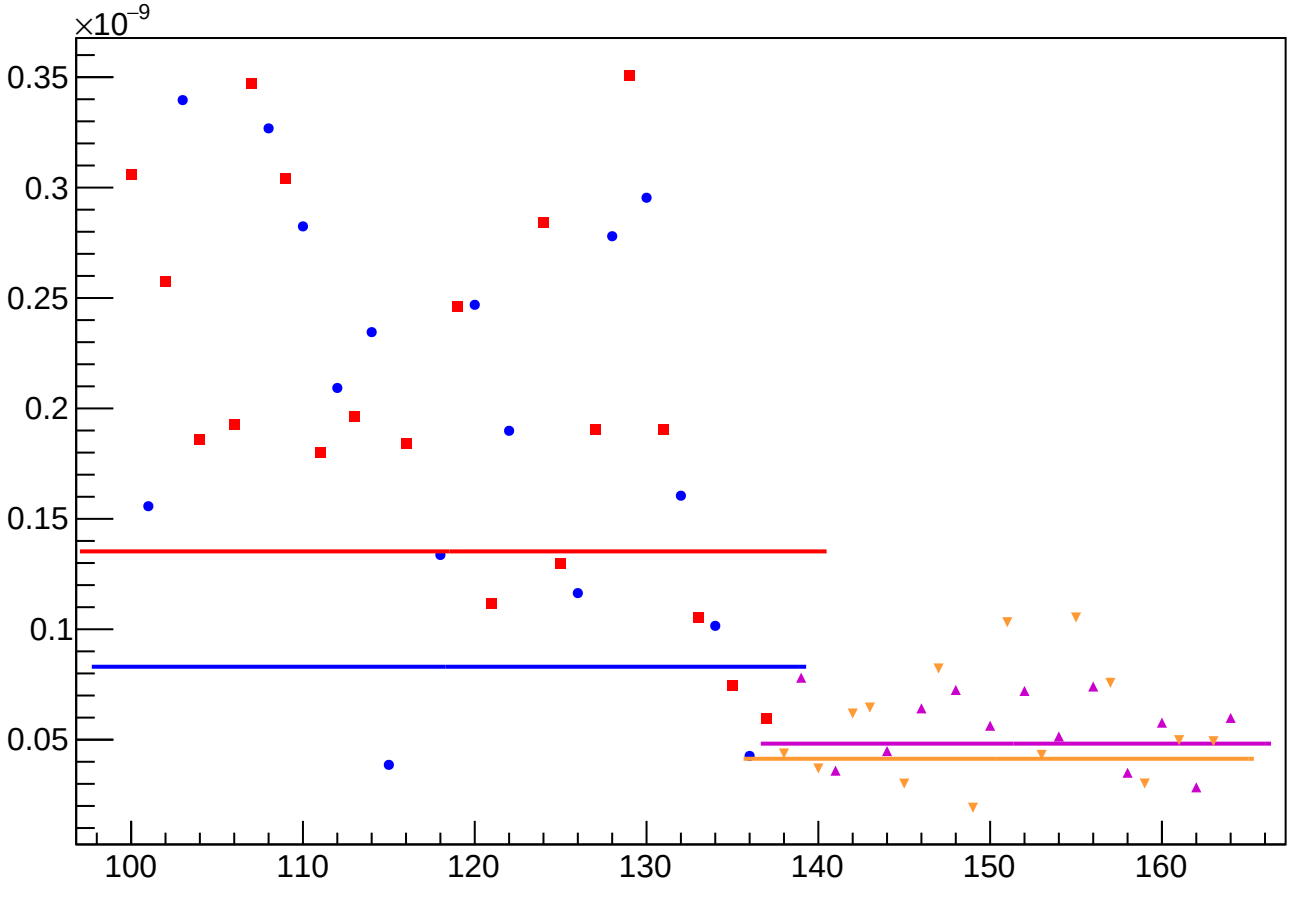
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2430.022+/-0.422 χ^2/NDF:3013413.2/28

Out: 2435.102+/-0.421 χ^2/NDF:3692358.4/32

All: 2432.569+/-0.298 χ^2/NDF: 6705844.4/61


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.6/13
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:21.8/12
Left: 0.000+/-0.000 χ²/NDF: 28.4/26
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:34.4/28
Out: 0.000+/-0.000 χ²/NDF:20.4/32
All: 0.000+/-0.000 χ²/NDF: 54.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1626694.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:851759.6/12

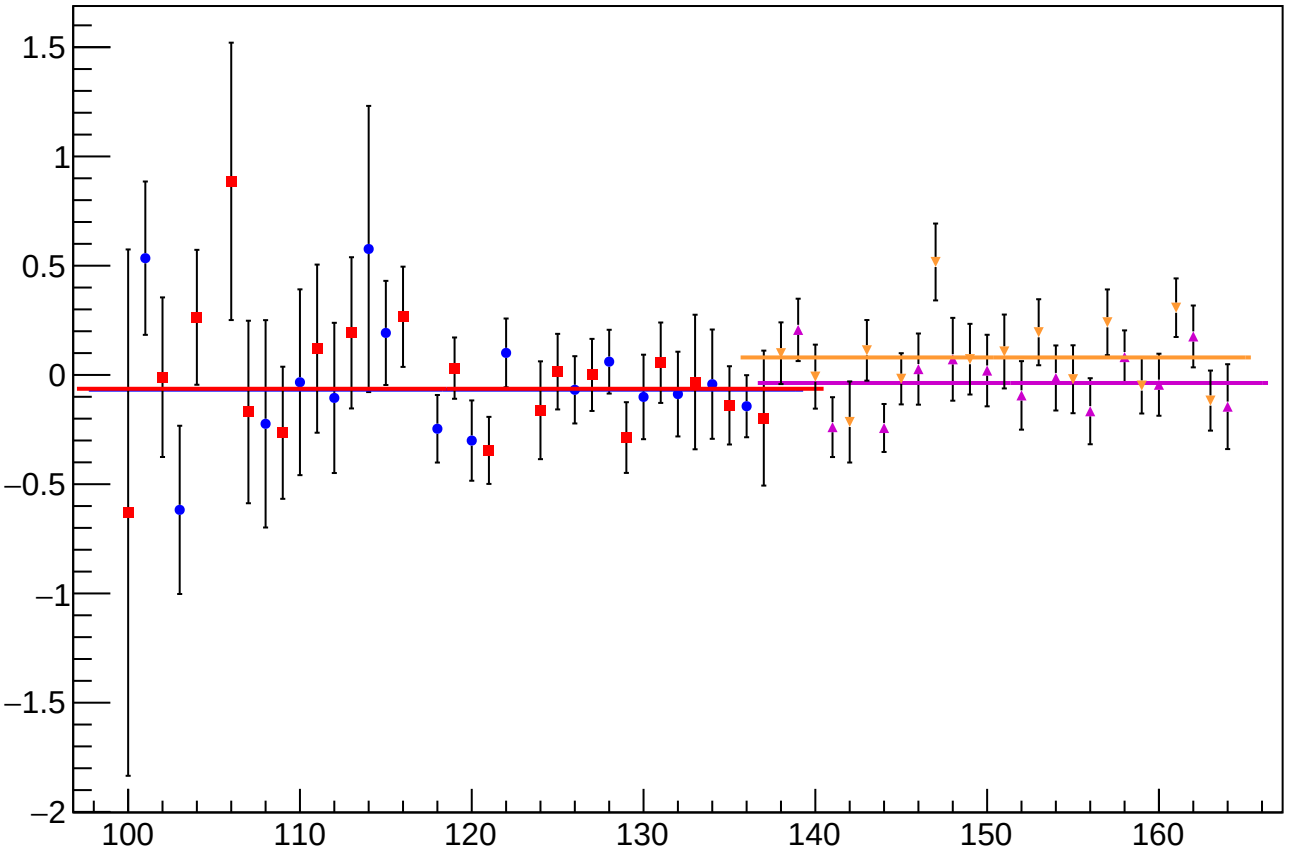
Left: 0.000+/-0.000 χ^2/NDF: 2568773.9/26

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4124751.6/28

Out: 0.000+/-0.000 χ^2/NDF:5330520.9/32

All: 0.000+/-0.000 χ^2/NDF: 9530410.0/61



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.080+/-0.039 χ^2/NDF:18.0/13

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.037+/-0.040 χ^2/NDF:13.6/12

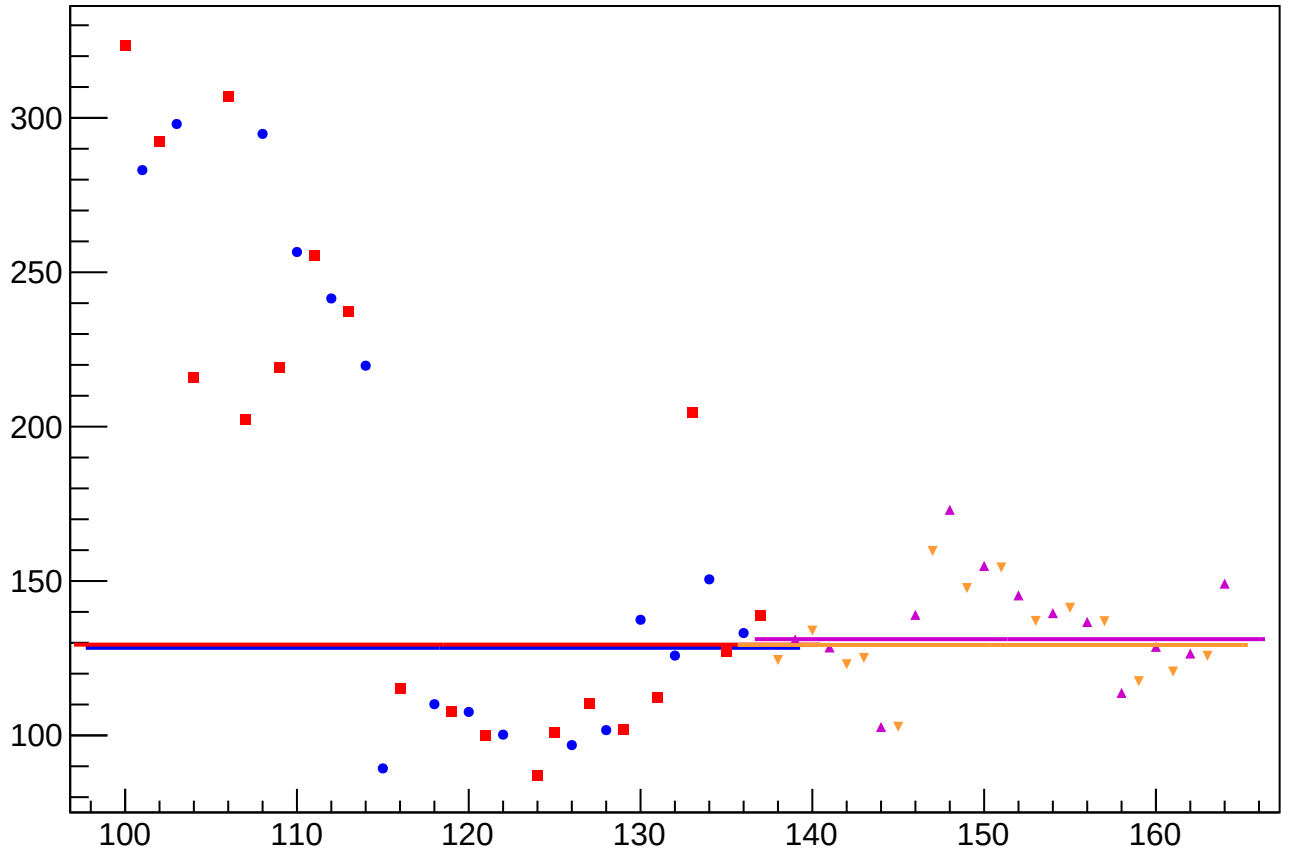
Left: 0.024+/-0.028 χ^2/NDF: 35.9/26

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.048+/-0.032 χ^2/NDF:26.3/28

Out: 0.028+/-0.031 χ^2/NDF:36.9/32

All: -0.009+/-0.022 χ^2/NDF: 66.1/61



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.292+/-0.028 χ^2/NDF:289660.0/13

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 131.173+/-0.029 χ^2/NDF:365289.2/12

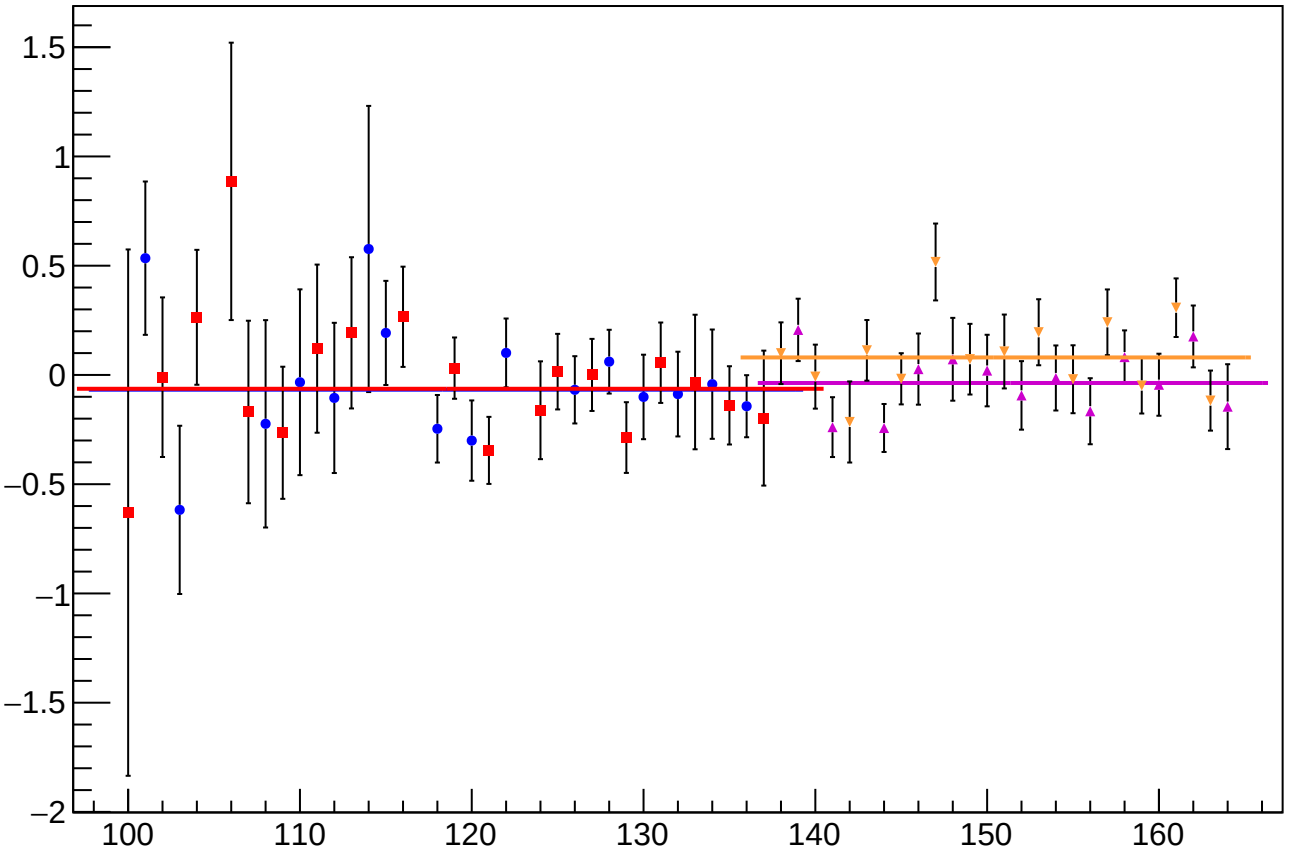
Left: 130.200+/-0.020 χ^2/NDF: 657187.2/26

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 130.114+/-0.023 χ^2/NDF:2173983.3/28

Out: 129.331+/-0.022 χ^2/NDF:2177937.0/32

All: 129.713+/-0.016 χ^2/NDF: 4352537.7/61



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.080+/-0.039 χ^2/NDF:18.0/13

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.037+/-0.040 χ^2/NDF:13.6/12

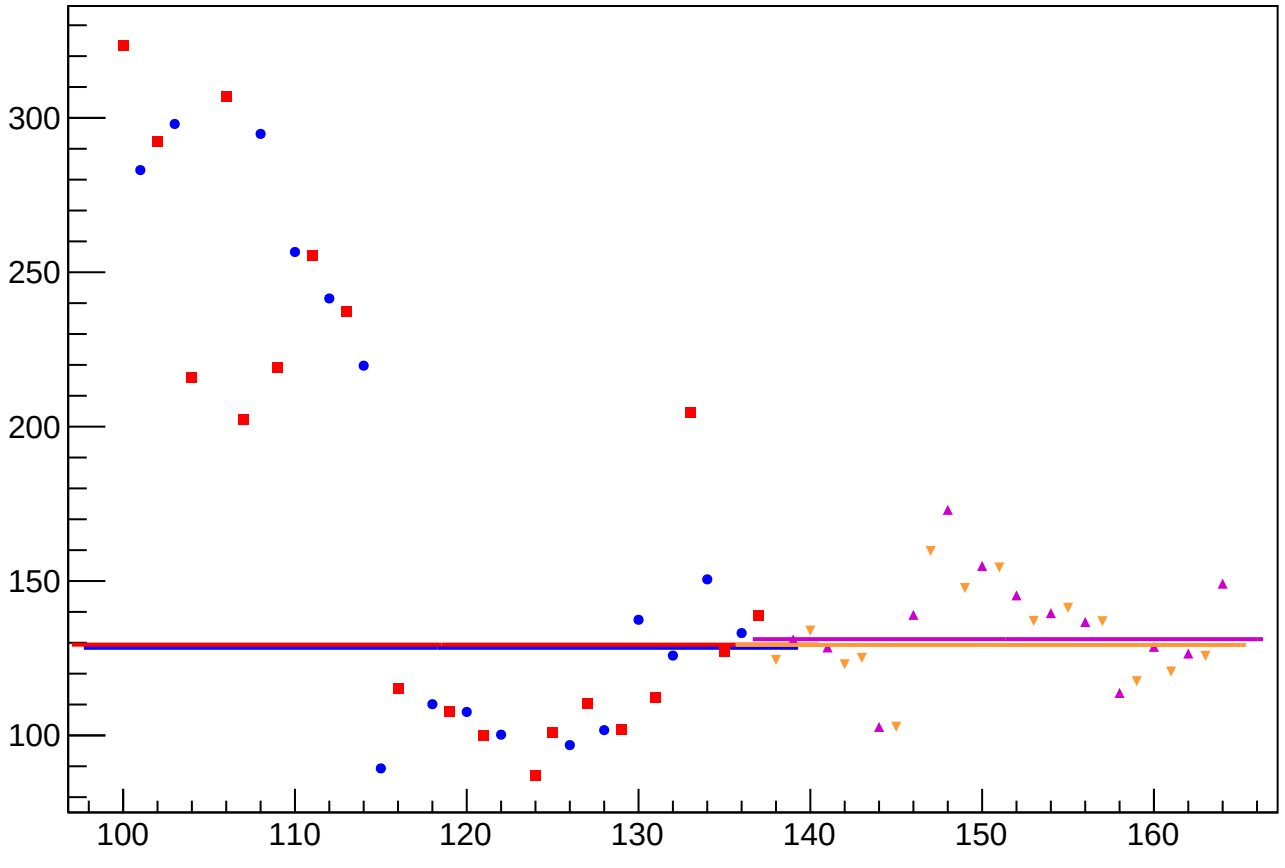
Left: 0.024+/-0.028 χ^2/NDF: 35.9/26

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.048+/-0.032 χ^2/NDF:26.3/28

Out: 0.028+/-0.031 χ^2/NDF:36.9/32

All: -0.009+/-0.022 χ^2/NDF: 66.1/61



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.292+/-0.028 χ^2/NDF:289660.0/13

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 131.173+/-0.029 χ^2/NDF:365289.2/12

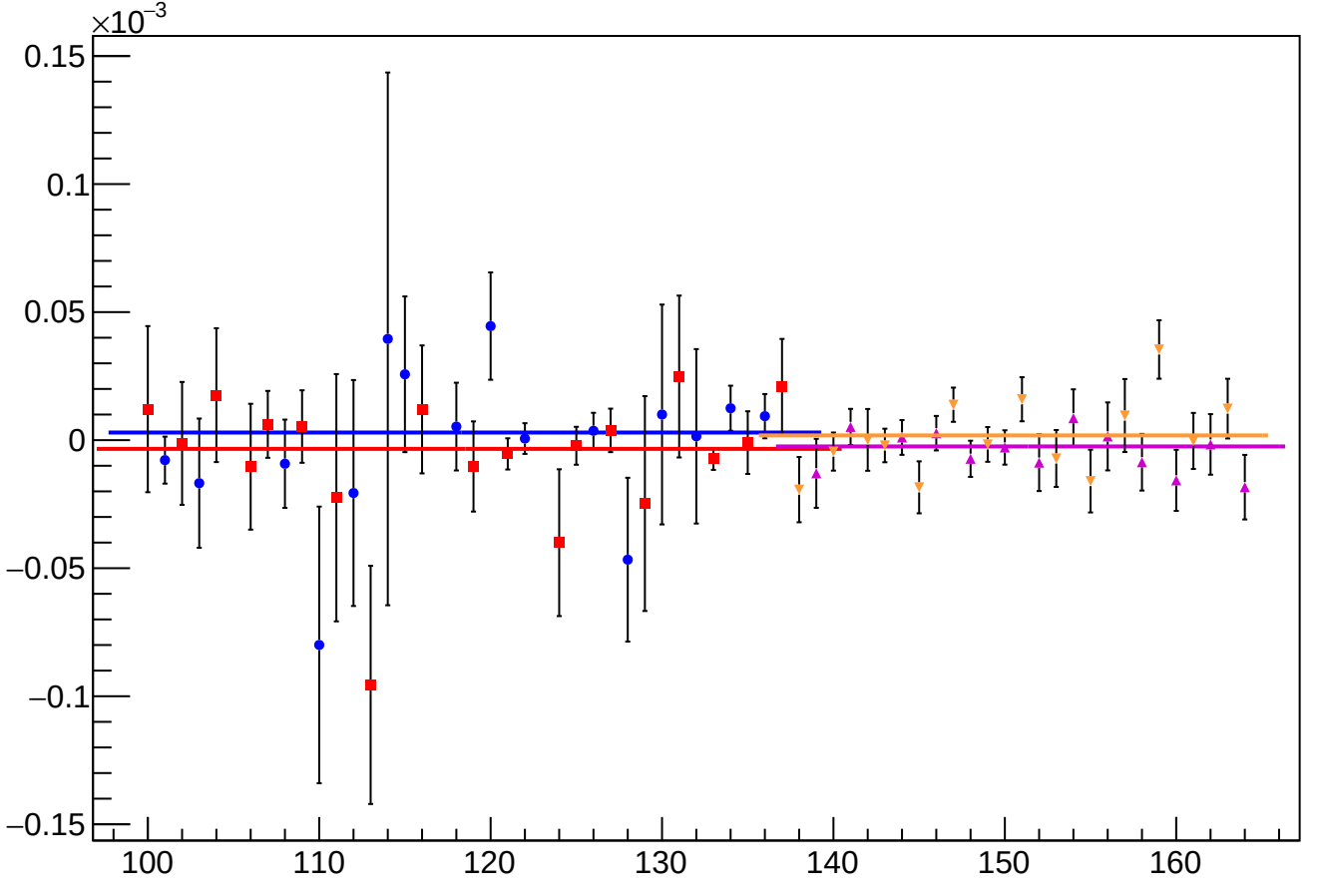
Left: 130.200+/-0.020 χ^2/NDF: 657187.2/26

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 130.114+/-0.023 χ^2/NDF:2173983.3/28

Out: 129.331+/-0.022 χ^2/NDF:2177937.0/32

All: 129.713+/-0.016 χ^2/NDF: 4352537.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/12

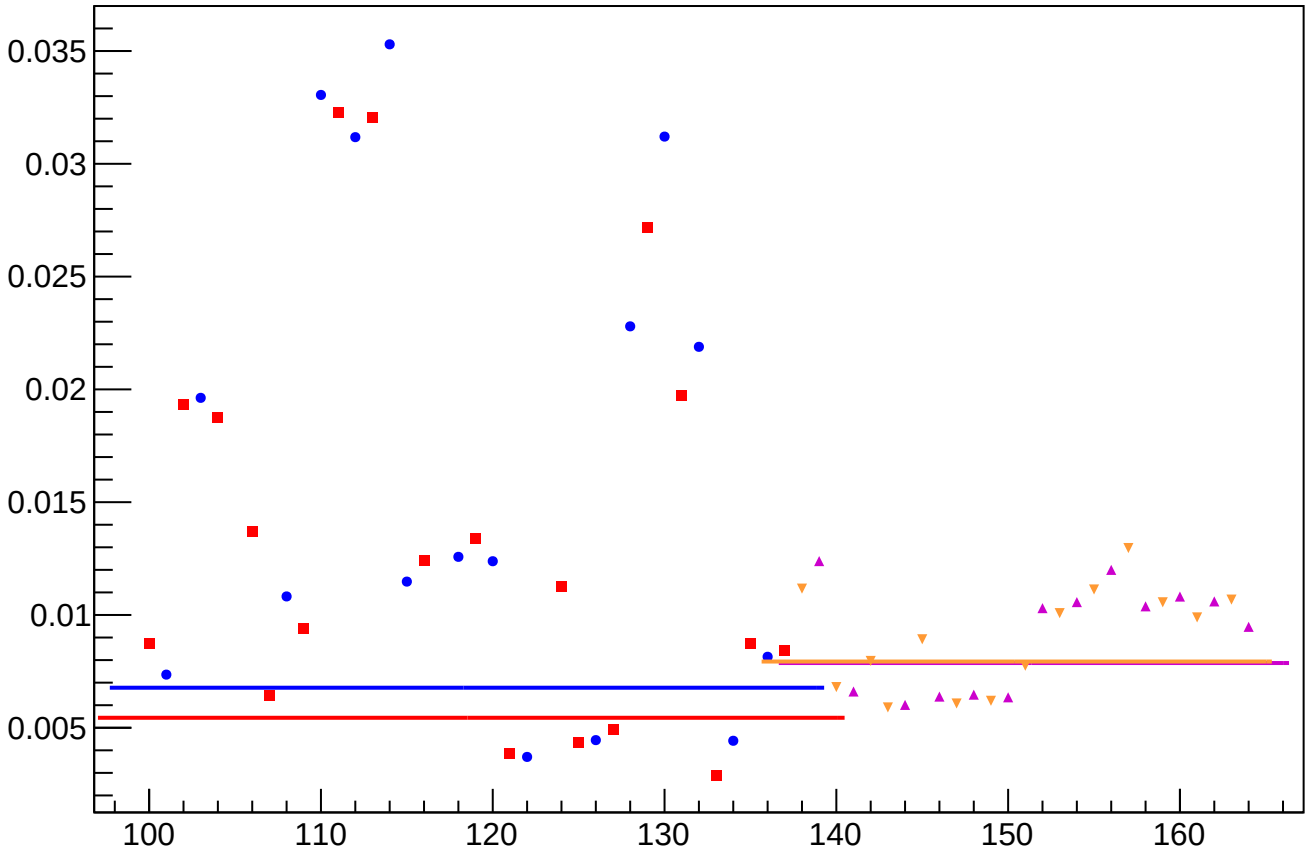
Left: -0.000+/-0.000 χ^2/NDF: 35.7/26

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: -0.000+/-0.000 χ^2/NDF:23.5/28

Out: -0.000+/-0.000 χ^2/NDF:41.3/32

All: -0.000+/-0.000 χ^2/NDF: 64.9/61



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1414873.5/13

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1486575.6/12

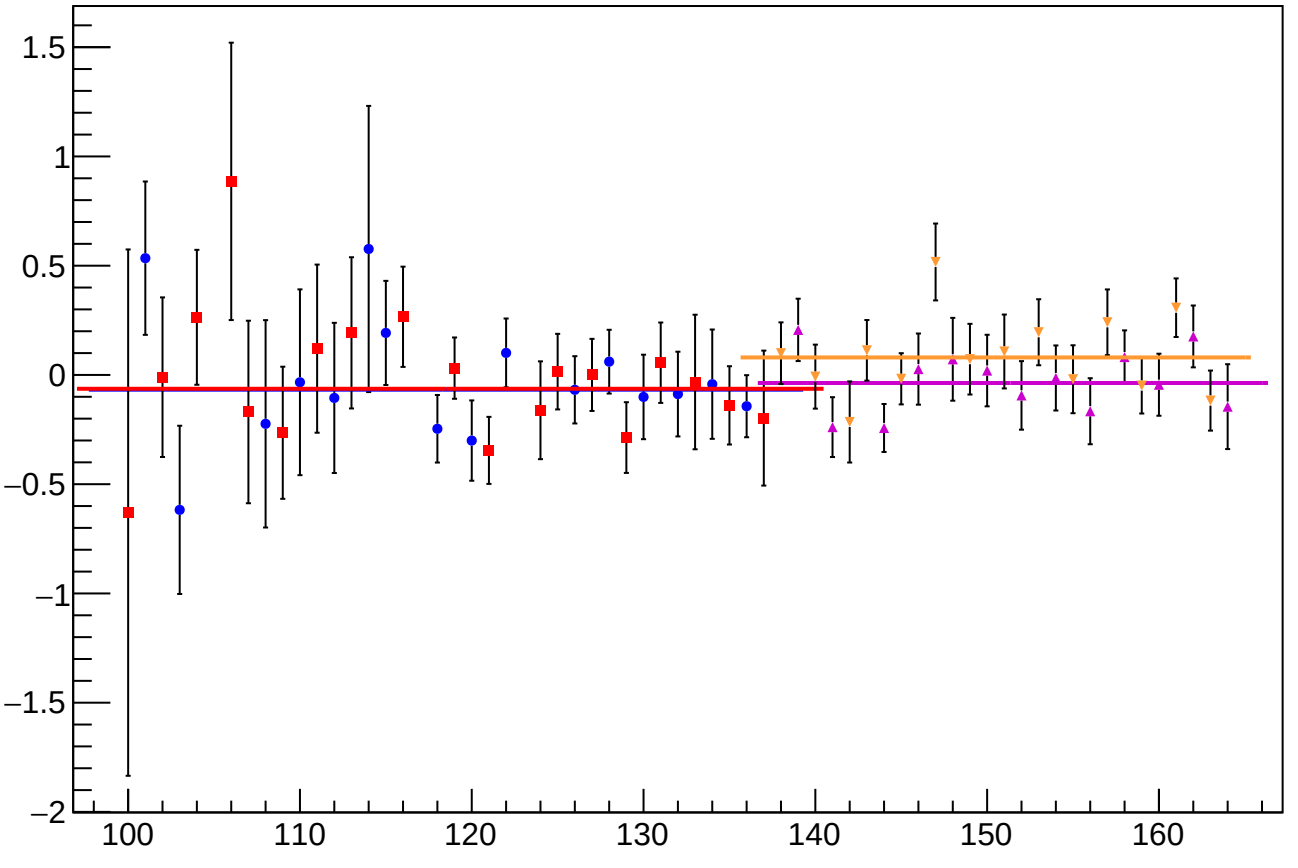
Left: 0.008+/-0.000 χ^2/NDF: 2902164.9/26

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:6408113.7/28

Out: 0.007+/-0.000 χ^2/NDF:7958352.3/32

All: 0.007+/-0.000 χ^2/NDF: 14504403.7/61



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.080+/-0.039 χ^2/NDF:18.0/13

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.037+/-0.040 χ^2/NDF:13.6/12

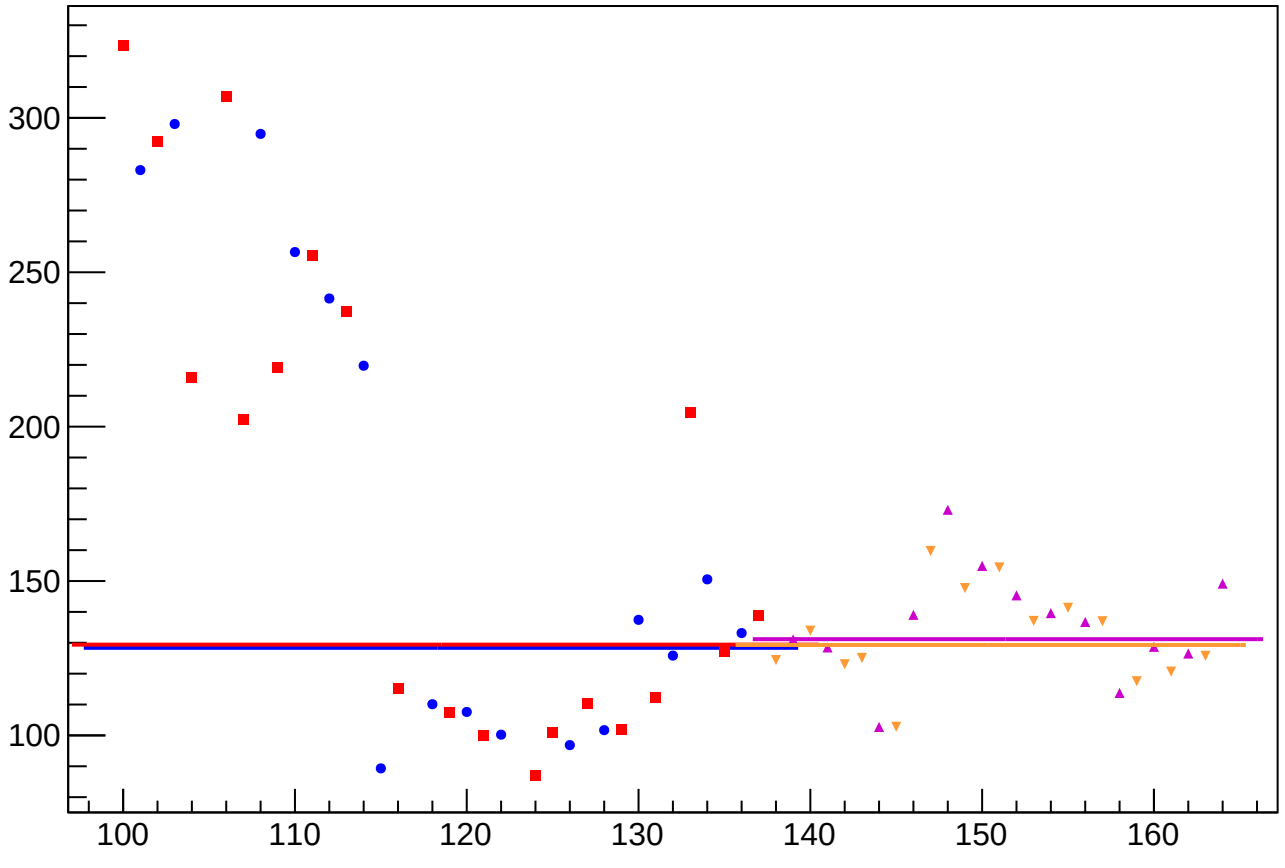
Left: 0.024+/-0.028 χ^2/NDF: 35.9/26

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

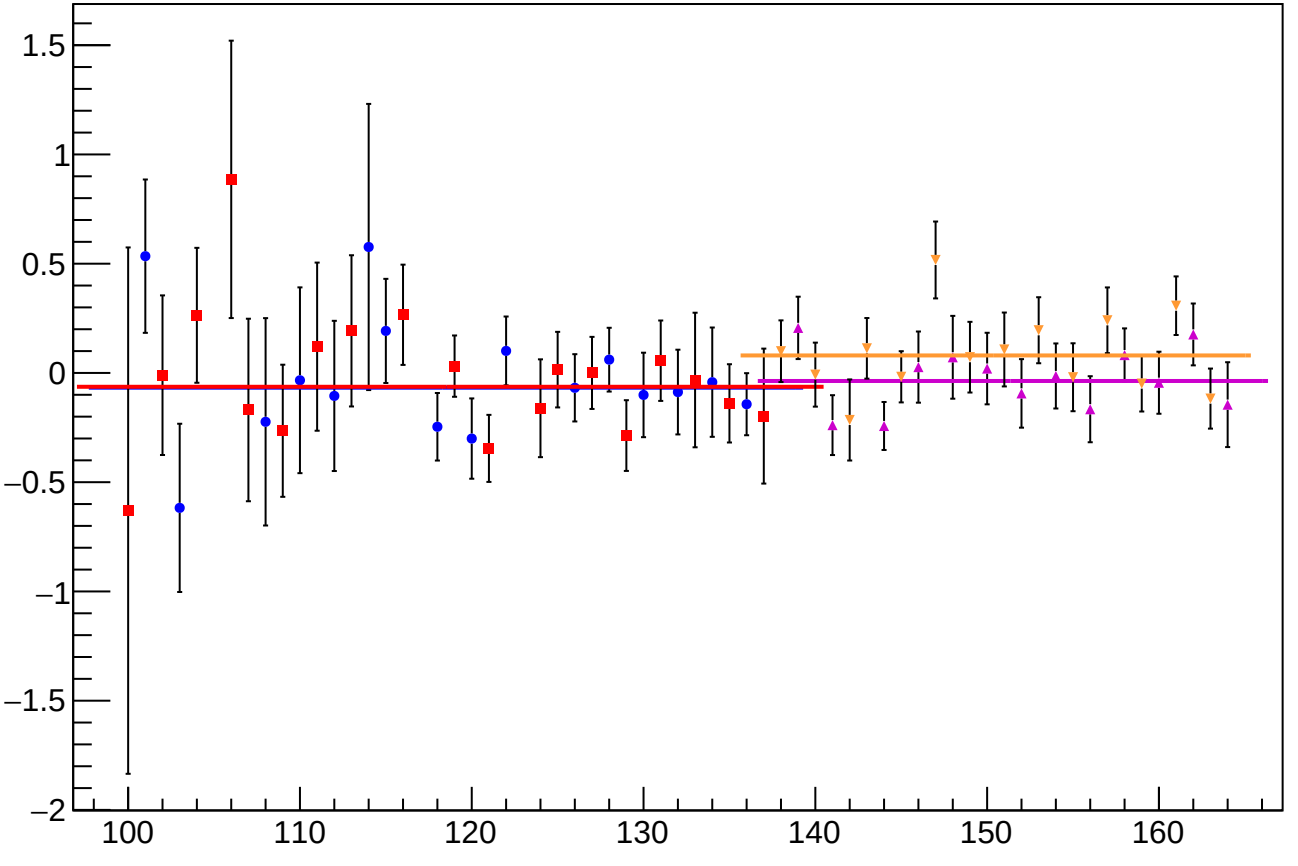
In: -0.048+/-0.032 χ^2/NDF:26.3/28

Out: 0.028+/-0.031 χ^2/NDF:36.9/32

All: -0.009+/-0.022 χ^2/NDF: 66.1/61


asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
300
250
200
150
100
100
110
120
130
140
150
160
Right In: 128.377+/-0.037 χ²/NDF: 1805026.7/15
Left Out: 129.292+/-0.028 χ²/NDF:289688.8/13
Right Out: 129.396+/-0.036 χ²/NDF: 1888272.8/18
Left In: 131.173+/-0.029 χ²/NDF:365312.1/12
Left: 130.200+/-0.020 χ²/NDF: 657238.3/26
Right: 128.888+/-0.026 χ²/NDF: 3693688.1/34
In: 130.113+/-0.023 χ²/NDF:2173961.6/28
Out: 129.330+/-0.022 χ²/NDF:2177966.7/32
All: 129.712+/-0.016 χ²/NDF: 4352545.4/61

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: 0.080+/-0.039 χ^2/NDF:18.0/13

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.037+/-0.040 χ^2/NDF:13.6/12

Left: 0.024+/-0.028 χ^2/NDF: 35.9/26

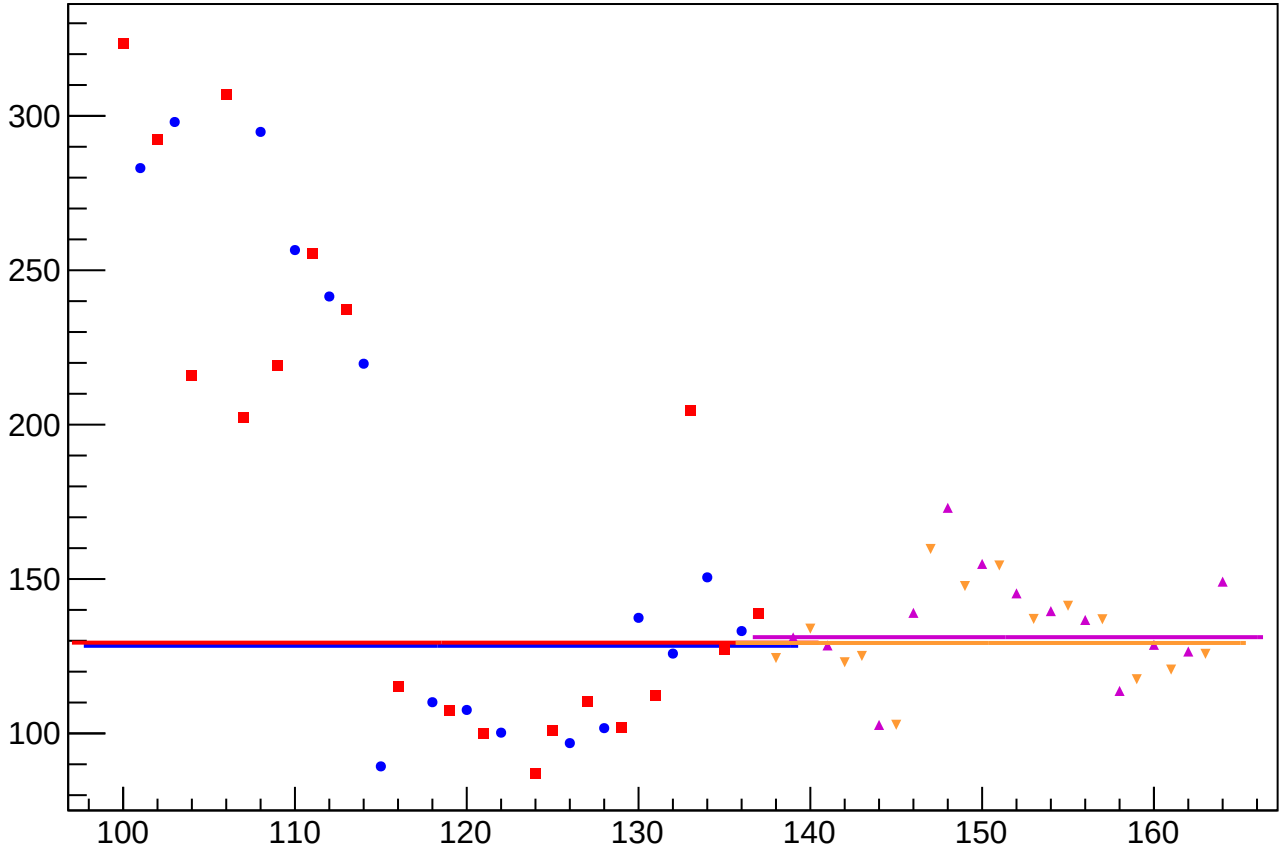
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.048+/-0.032 χ^2/NDF:26.3/28

Out: 0.028+/-0.031 χ^2/NDF:36.9/32

All: -0.009+/-0.022 χ^2/NDF: 66.1/61

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 129.292+/-0.028 χ^2/NDF:289688.8/13

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 131.173+/-0.029 χ^2/NDF:365312.1/12

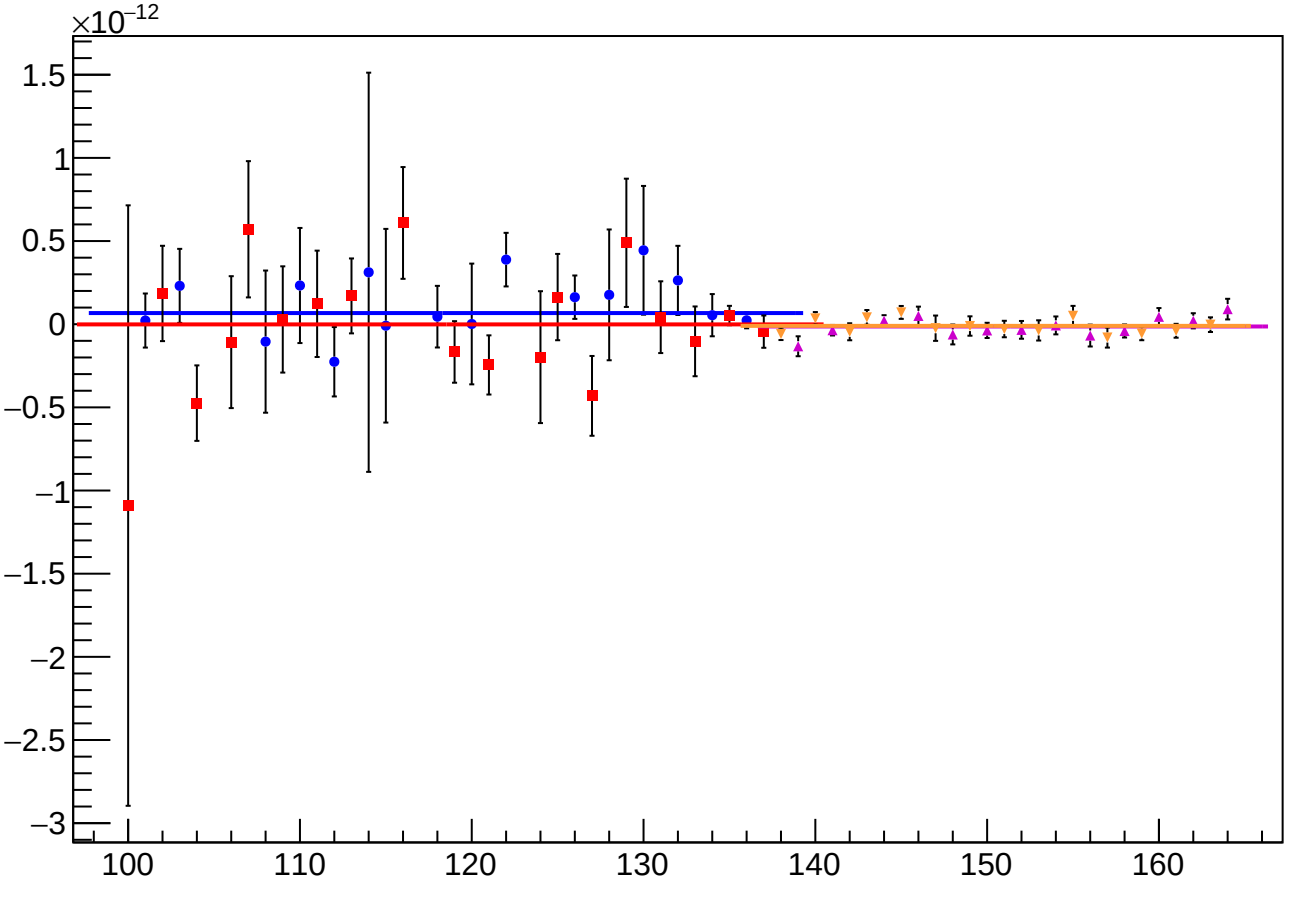
Left: 130.200+/-0.020 χ^2/NDF: 657238.3/26

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 130.113+/-0.023 χ^2/NDF:2173961.6/28

Out: 129.330+/-0.022 χ^2/NDF:2177966.7/32

All: 129.712+/-0.016 χ^2/NDF: 4352545.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/12

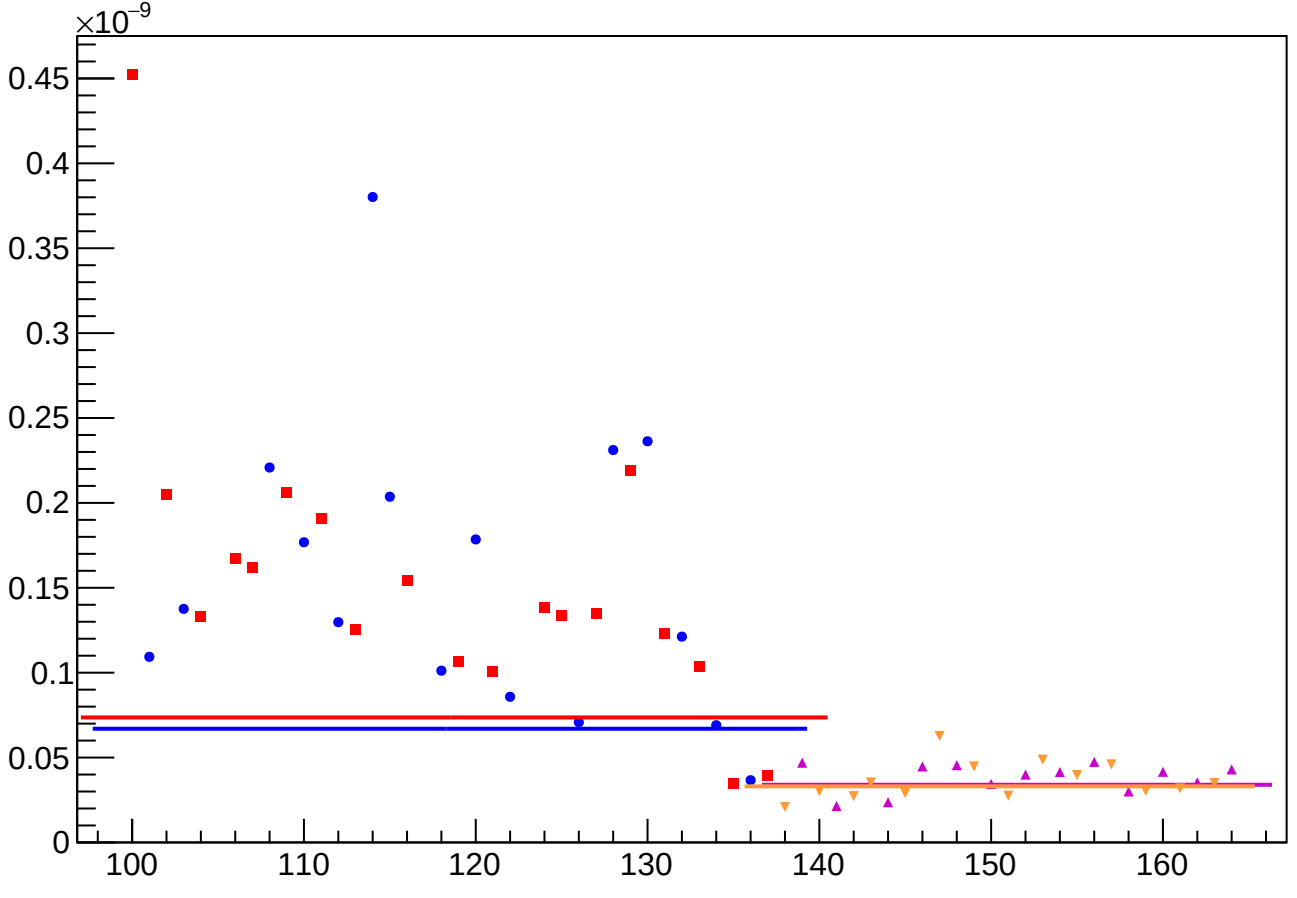
Left: -0.000+/-0.000 χ^2/NDF: 27.4/26

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:28.4/28

Out: -0.000+/-0.000 χ^2/NDF:34.5/32

All: -0.000+/-0.000 χ^2/NDF: 62.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:954628.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:999246.1/12

Left: 0.000+/-0.000 χ^2/NDF: 1959162.9/26

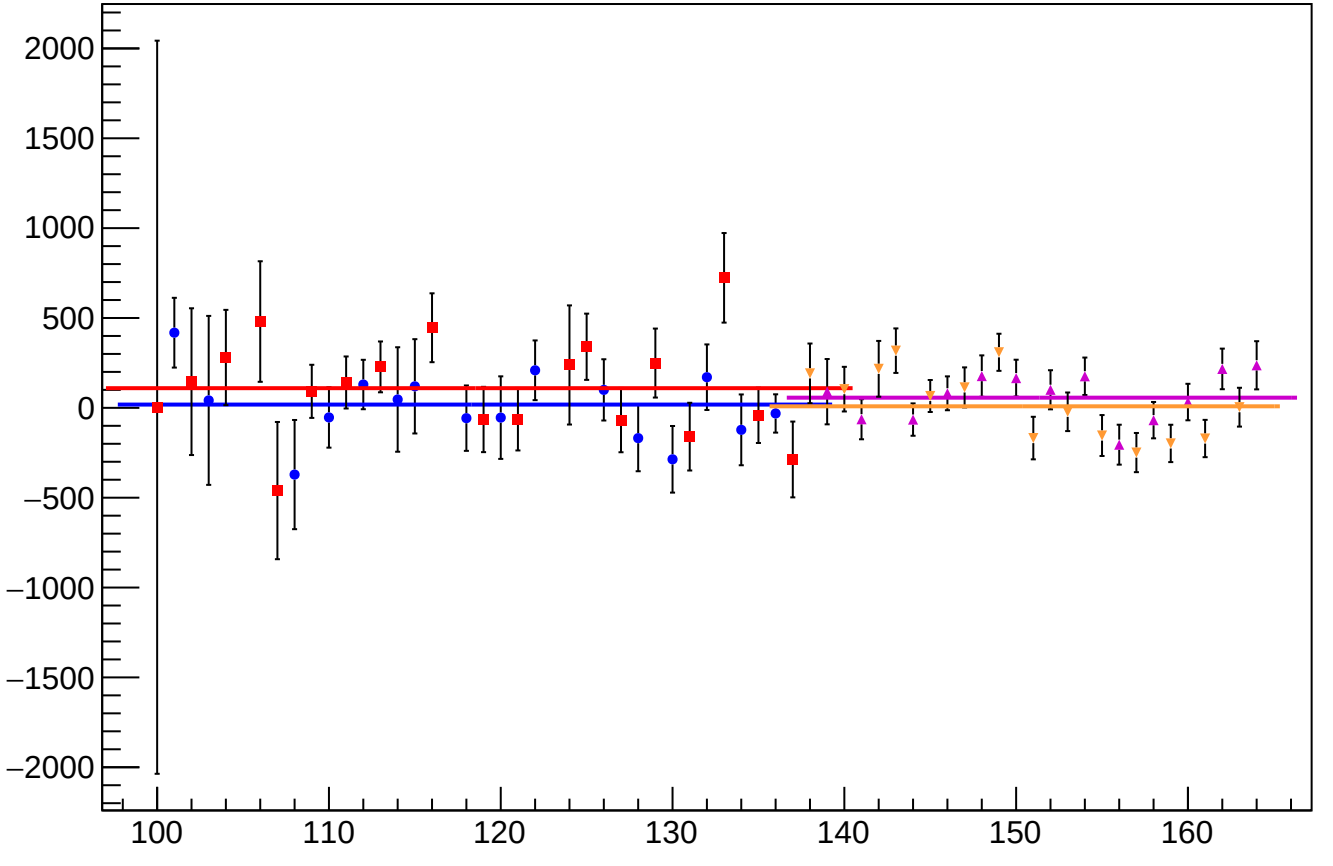
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5658951.0/28

Out: 0.000+/-0.000 χ^2/NDF:6535833.0/32

All: 0.000+/-0.000 χ^2/NDF: 12201415.6/61

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.547+/-30.168 χ^2/NDF:36.5/13

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 56.583+/-30.100 χ^2/NDF:17.7/12

Left: 32.619+/-21.308 χ^2/NDF: 55.5/26

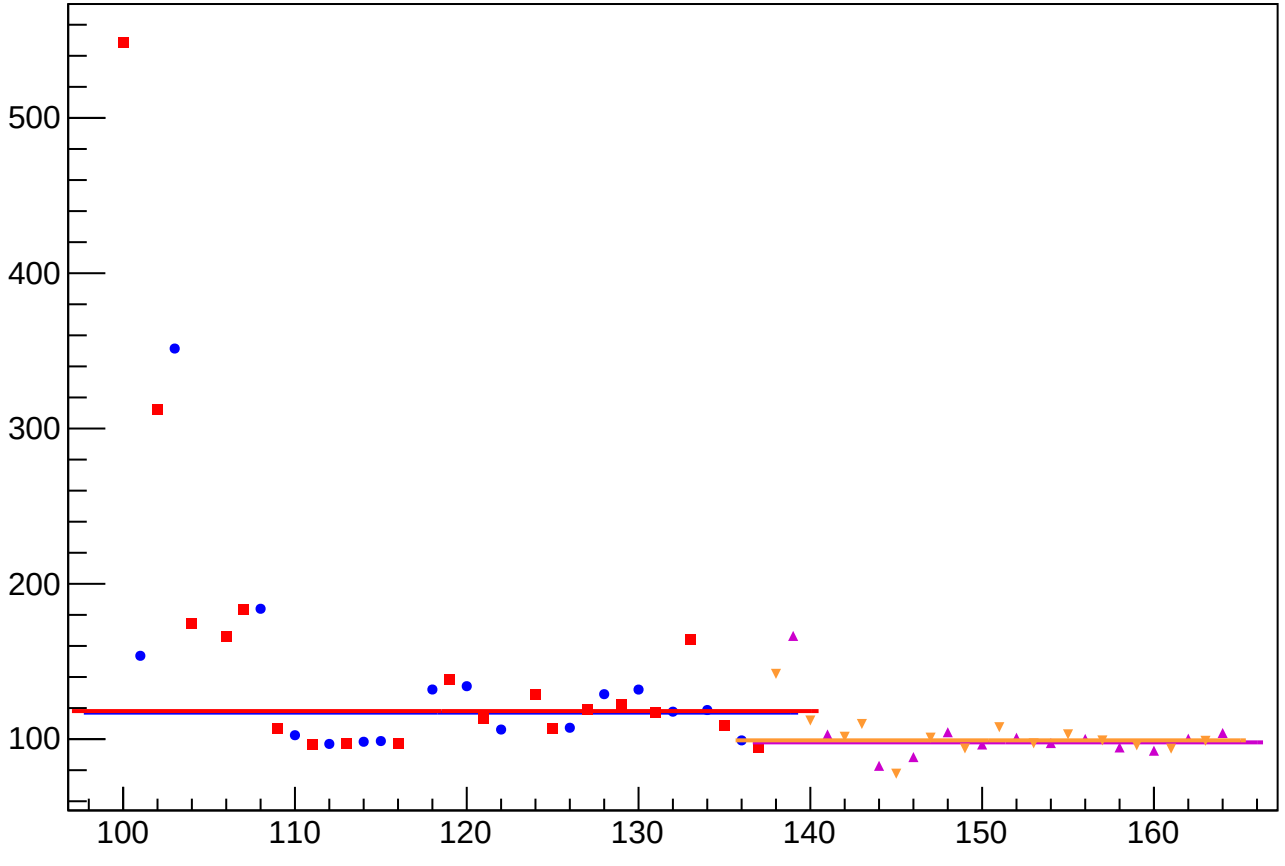
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 44.972+/-25.138 χ^2/NDF:32.1/28

Out: 39.051+/-25.198 χ^2/NDF:65.4/32

All: 42.019+/-17.796 χ^2/NDF: 97.5/61

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 99.219+/-0.021 χ^2/NDF:311334.0/13

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 97.914+/-0.021 χ^2/NDF:386829.0/12

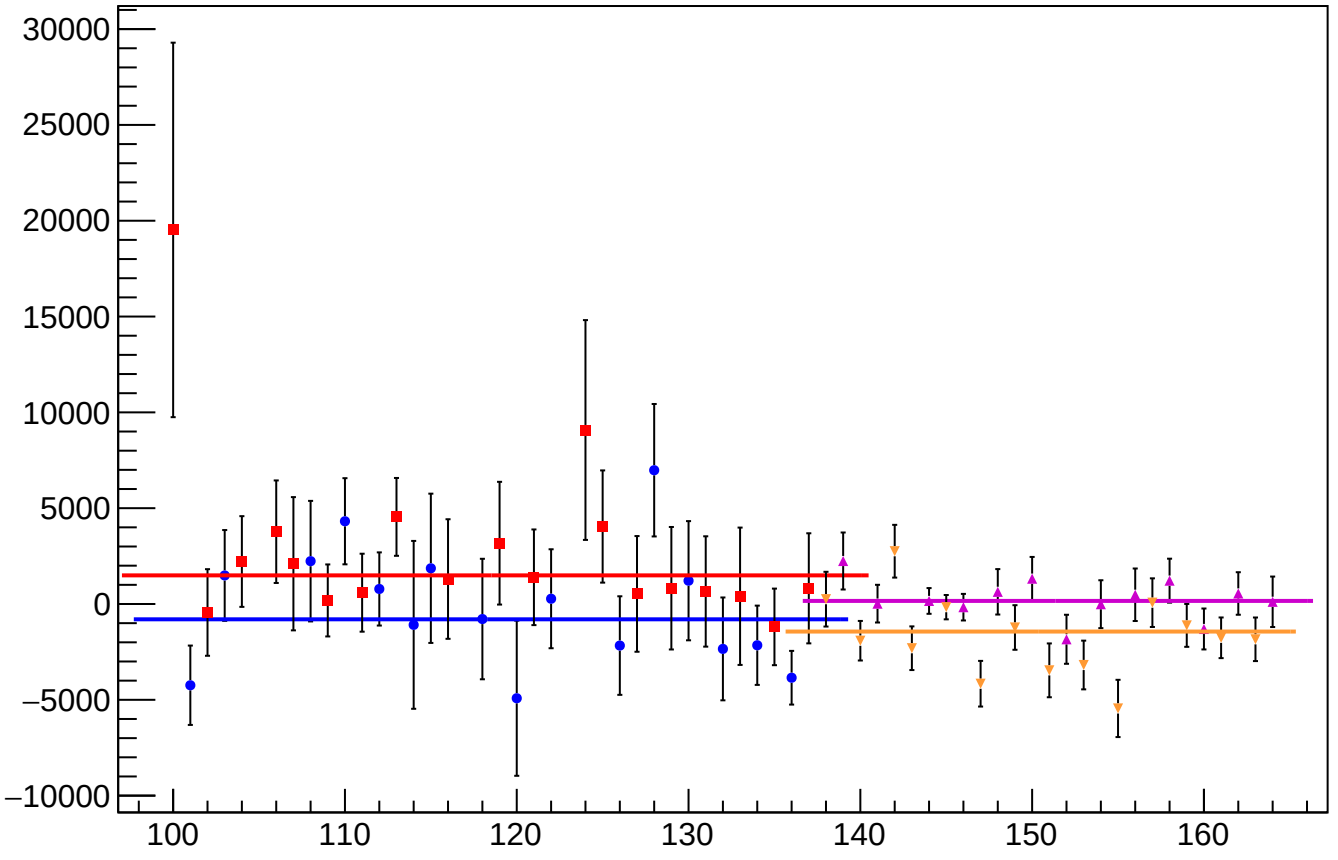
Left: 98.565+/-0.015 χ^2/NDF: 700040.2/26

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 103.707+/-0.018 χ^2/NDF:1490104.2/28

Out: 104.915+/-0.018 χ^2/NDF:1537883.8/32

All: 104.309+/-0.013 χ^2/NDF: 3030294.2/61



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1437.713+/-297.413 χ^2/NDF:33.6/13

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 160.693+/-287.671 χ^2/NDF:8.8/12

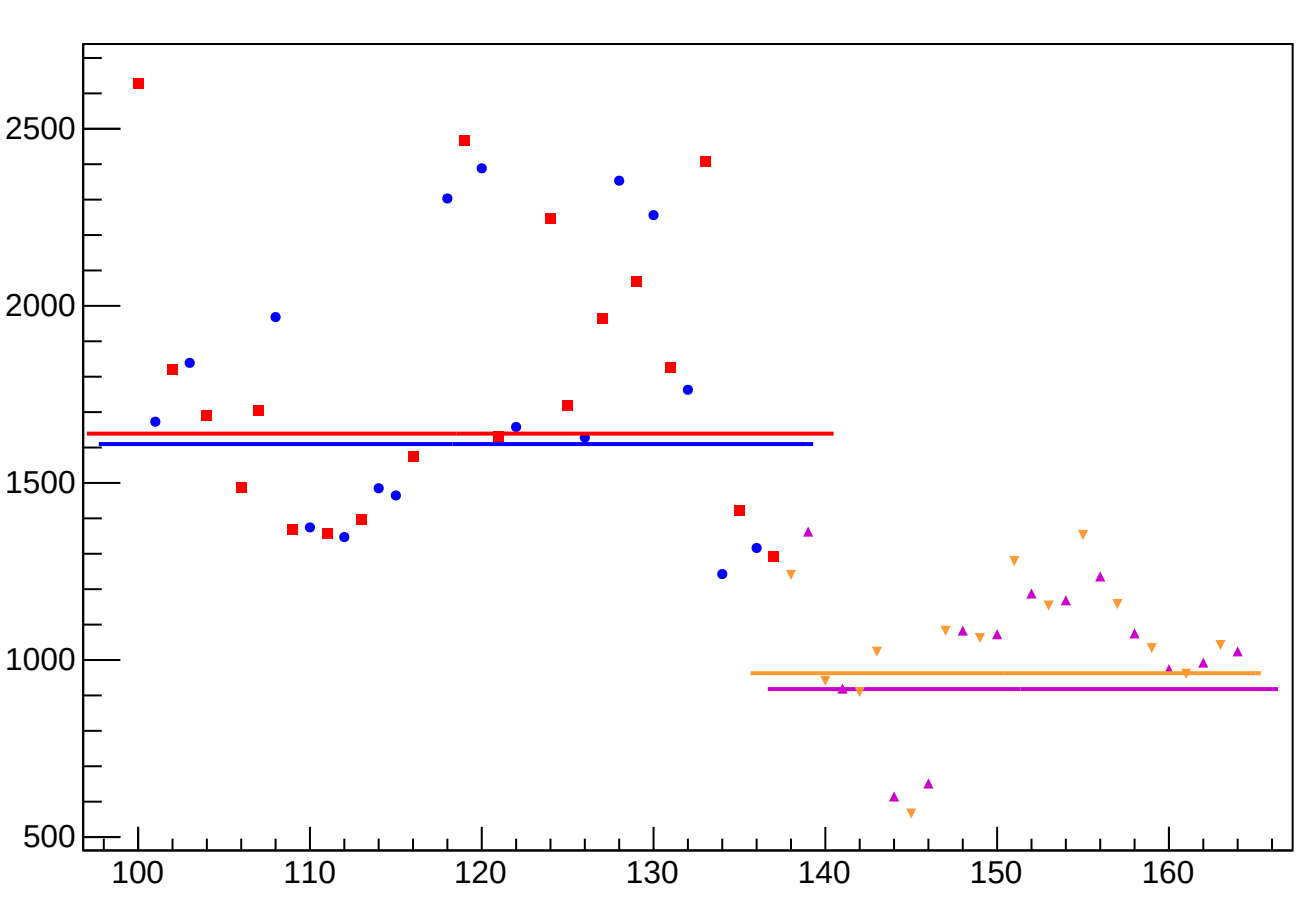
Left: -611.904+/-206.772 χ^2/NDF: 57.3/26

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -11.151+/-260.650 χ^2/NDF:34.2/28

Out: -879.259+/-267.590 χ^2/NDF:65.0/32

All: -433.802+/-186.713 χ^2/NDF: 104.7/61



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 962.732+/-0.210 χ^2/NDF:1247465.3/13

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 917.873+/-0.203 χ^2/NDF:1301389.7/12

Left: 939.556+/-0.146 χ^2/NDF: 2572361.5/26

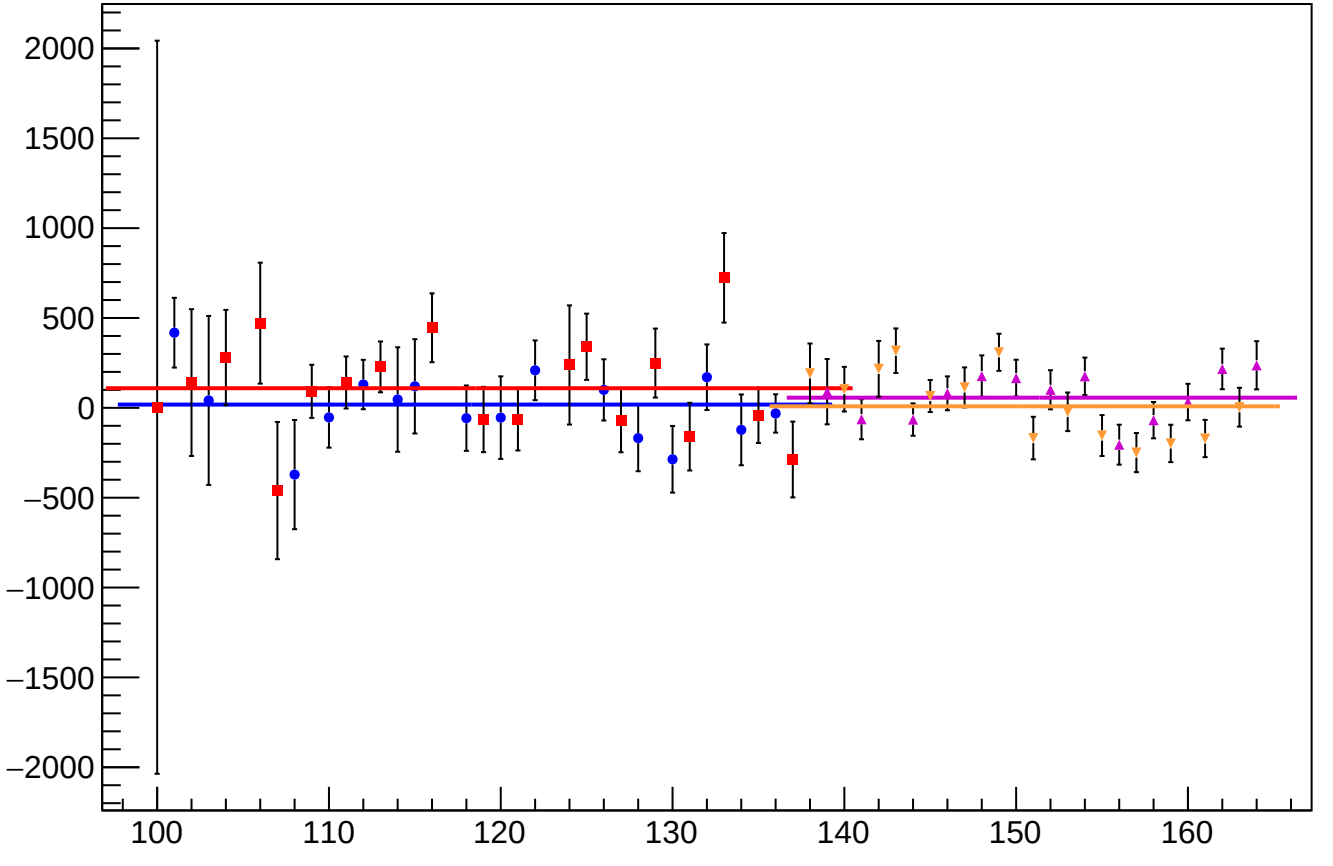
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1041.750+/-0.184 χ^2/NDF:3991978.8/28

Out: 1091.603+/-0.189 χ^2/NDF:3738887.0/32

All: 1066.022+/-0.132 χ^2/NDF: 7766485.6/61

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.553+/-30.168 χ^2/NDF:36.5/13

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 56.584+/-30.100 χ^2/NDF:17.7/12

Left: 32.623+/-21.308 χ^2/NDF: 55.5/26

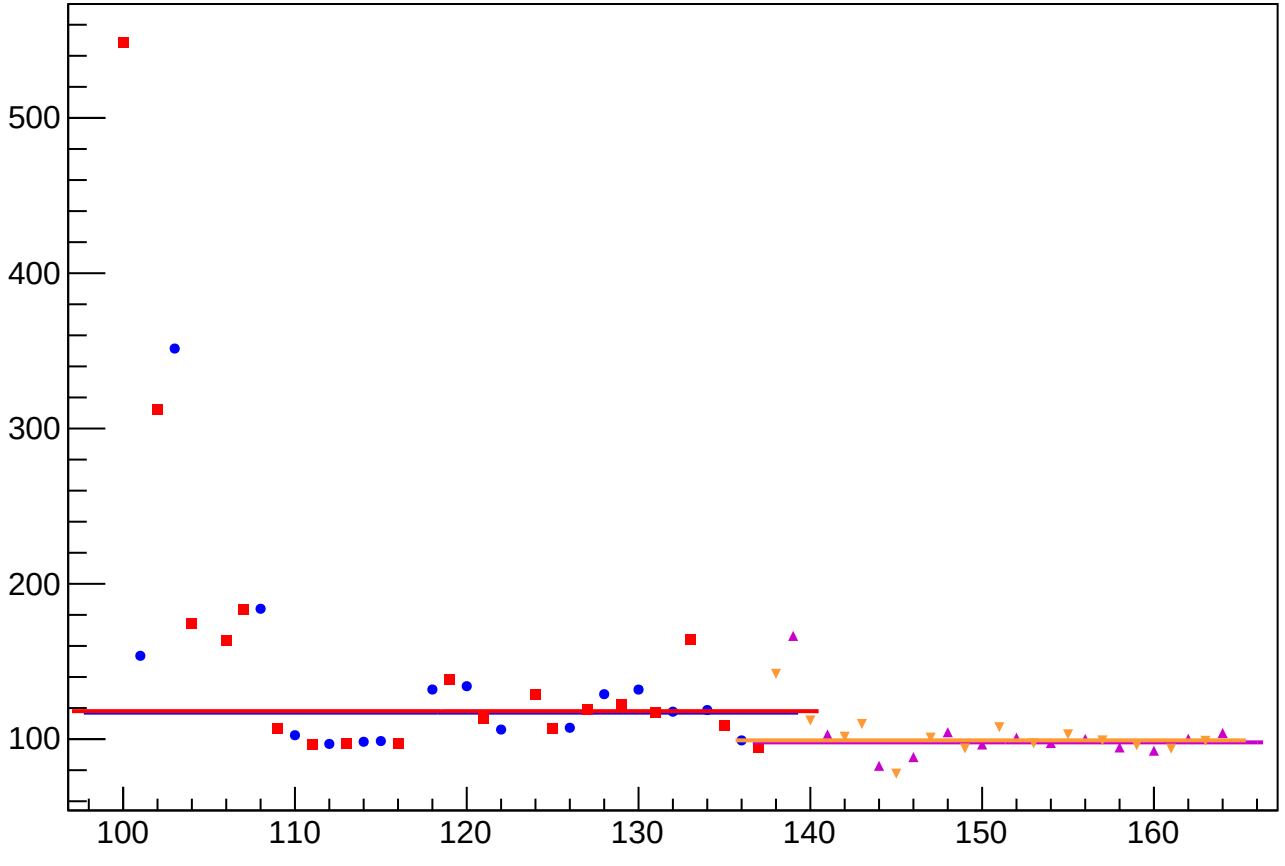
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 44.969+/-25.138 χ^2/NDF:32.1/28

Out: 38.967+/-25.198 χ^2/NDF:65.3/32

All: 41.975+/-17.797 χ^2/NDF: 97.4/61

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 99.219+/-0.021 χ^2/NDF:311334.0/13

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.914+/-0.021 χ^2/NDF:386829.0/12

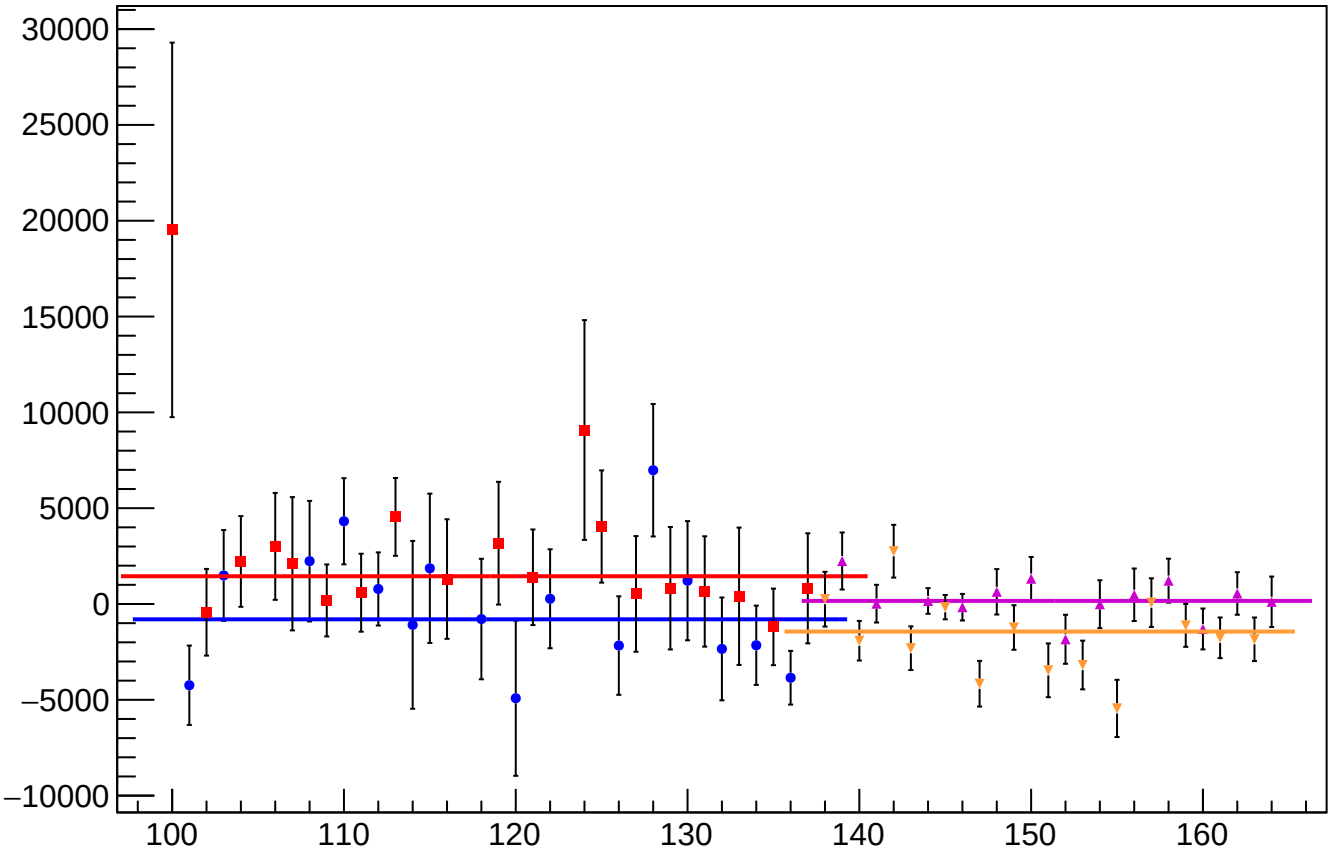
Left: 98.565+/-0.015 χ^2/NDF: 700040.2/26

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 103.707+/-0.018 χ^2/NDF:1490106.0/28

Out: 104.899+/-0.018 χ^2/NDF:1532373.4/32

All: 104.301+/-0.013 χ^2/NDF: 3024724.3/61



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1437.708+/-297.413 χ^2/NDF:33.6/13

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 160.698+/-287.671 χ^2/NDF:8.8/12

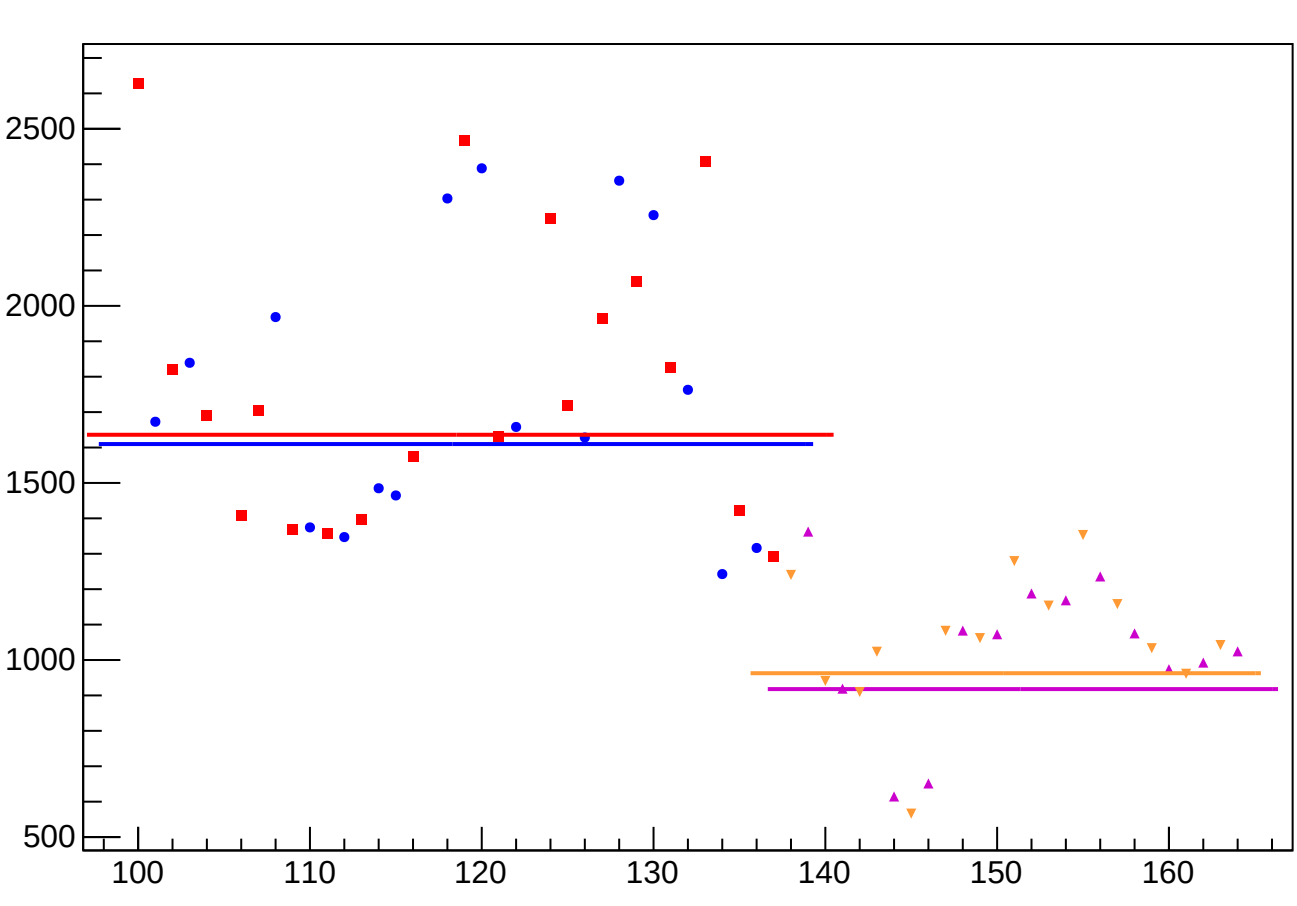
Left: -611.899+/-206.772 χ^2/NDF: 57.3/26

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -11.142+/-260.651 χ^2/NDF:34.2/28

Out: -889.865+/-267.702 χ^2/NDF:64.0/32

All: -438.779+/-186.751 χ^2/NDF: 103.7/61



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 962.731+/-0.210 χ^2/NDF:1247466.5/13

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 917.873+/-0.203 χ^2/NDF:1301391.8/12

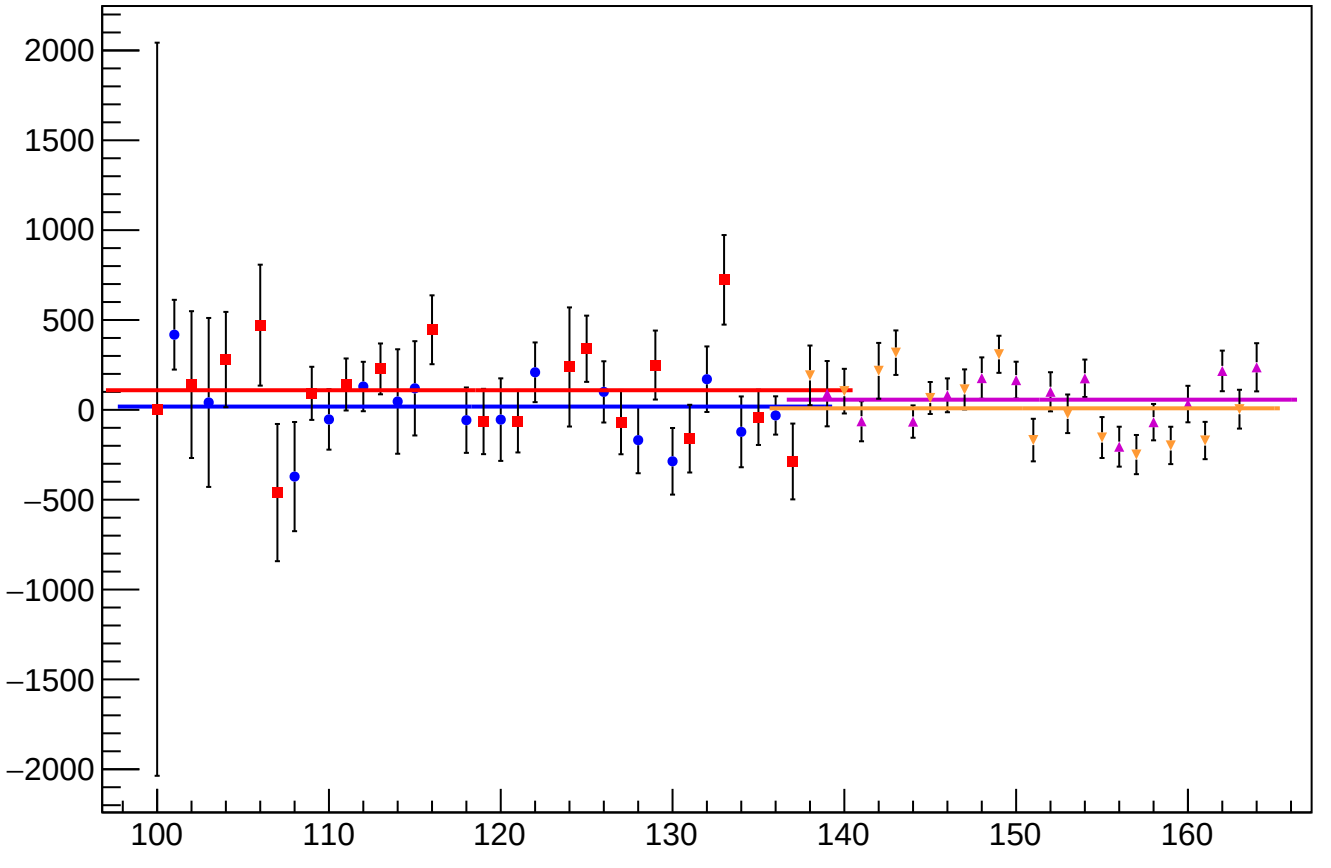
Left: 939.555+/-0.146 χ^2/NDF: 2572364.8/26

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1041.750+/-0.184 χ^2/NDF:3992043.0/28

Out: 1090.539+/-0.189 χ^2/NDF:3721018.5/32

All: 1065.493+/-0.132 χ^2/NDF: 7747163.0/61



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.553+/-30.168 χ^2/NDF:36.5/13

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 56.584+/-30.100 χ^2/NDF:17.7/12

Left: 32.623+/-21.308 χ^2/NDF: 55.5/26

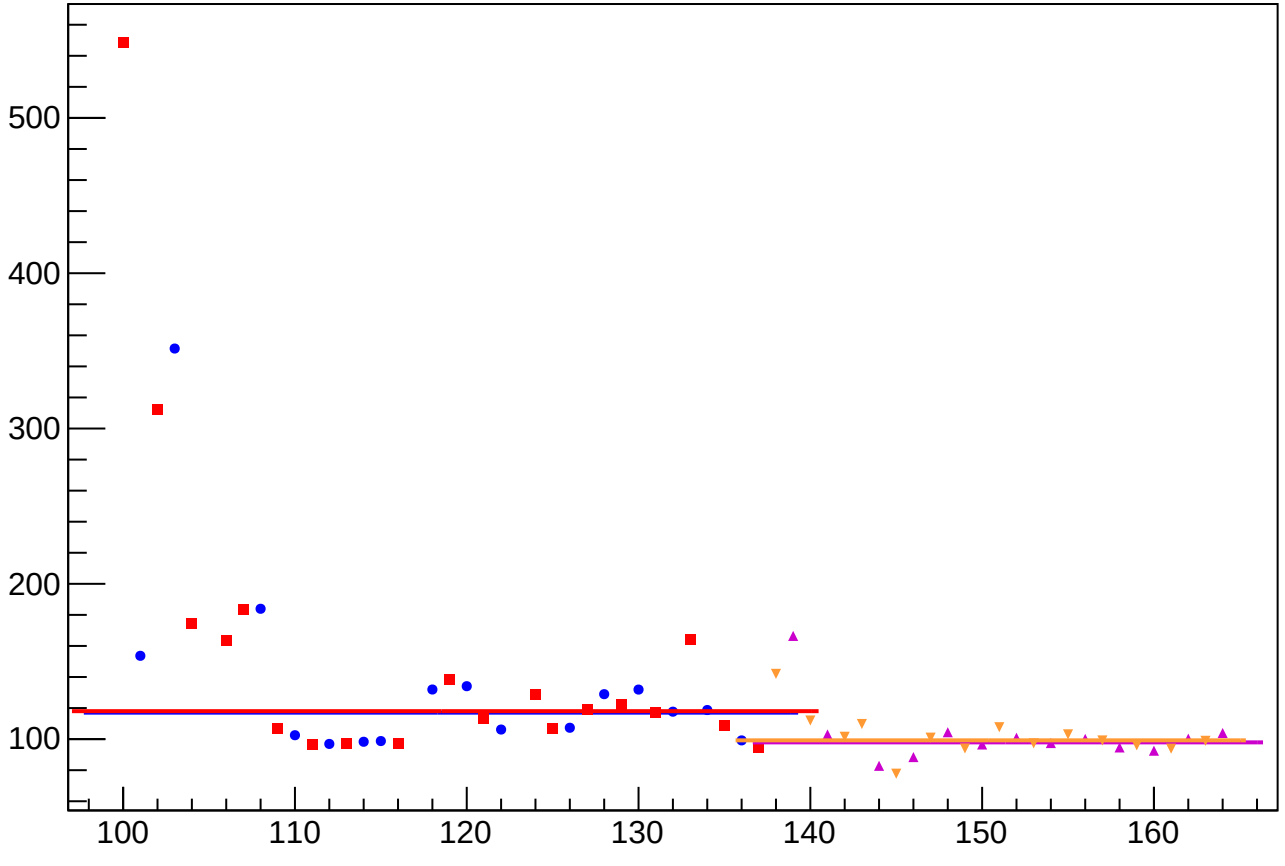
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 44.969+/-25.138 χ^2/NDF:32.1/28

Out: 38.967+/-25.198 χ^2/NDF:65.3/32

All: 41.975+/-17.797 χ^2/NDF: 97.4/61

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 99.219+/-0.021 χ^2/NDF:311334.0/13

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.914+/-0.021 χ^2/NDF:386829.0/12

Left: 98.565+/-0.015 χ^2/NDF: 700040.2/26

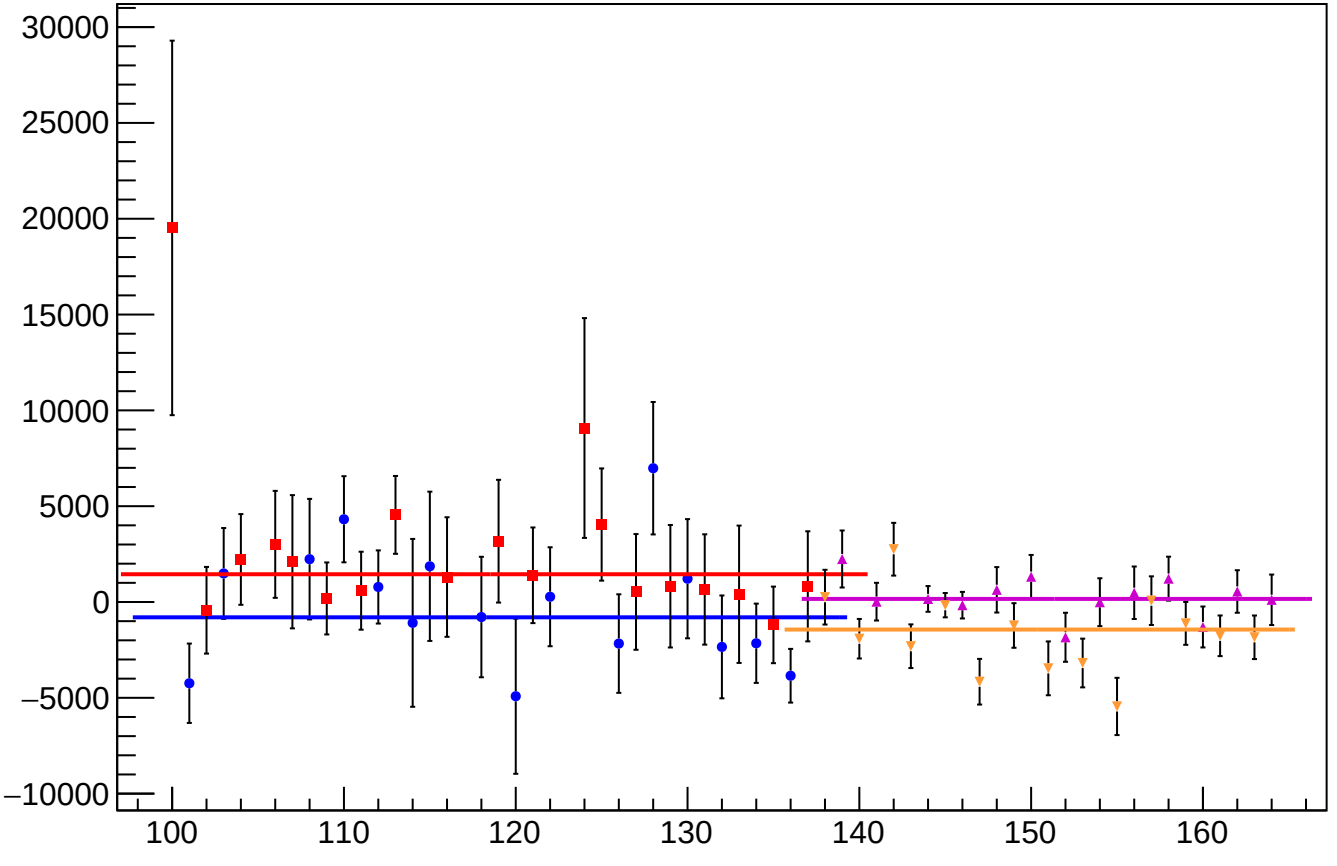
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 103.707+/-0.018 χ^2/NDF:1490106.0/28

Out: 104.899+/-0.018 χ^2/NDF:1532373.4/32

All: 104.301+/-0.013 χ^2/NDF: 3024724.3/61

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1437.708+/-297.413 χ^2/NDF:33.6/13

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 160.698+/-287.671 χ^2/NDF:8.8/12

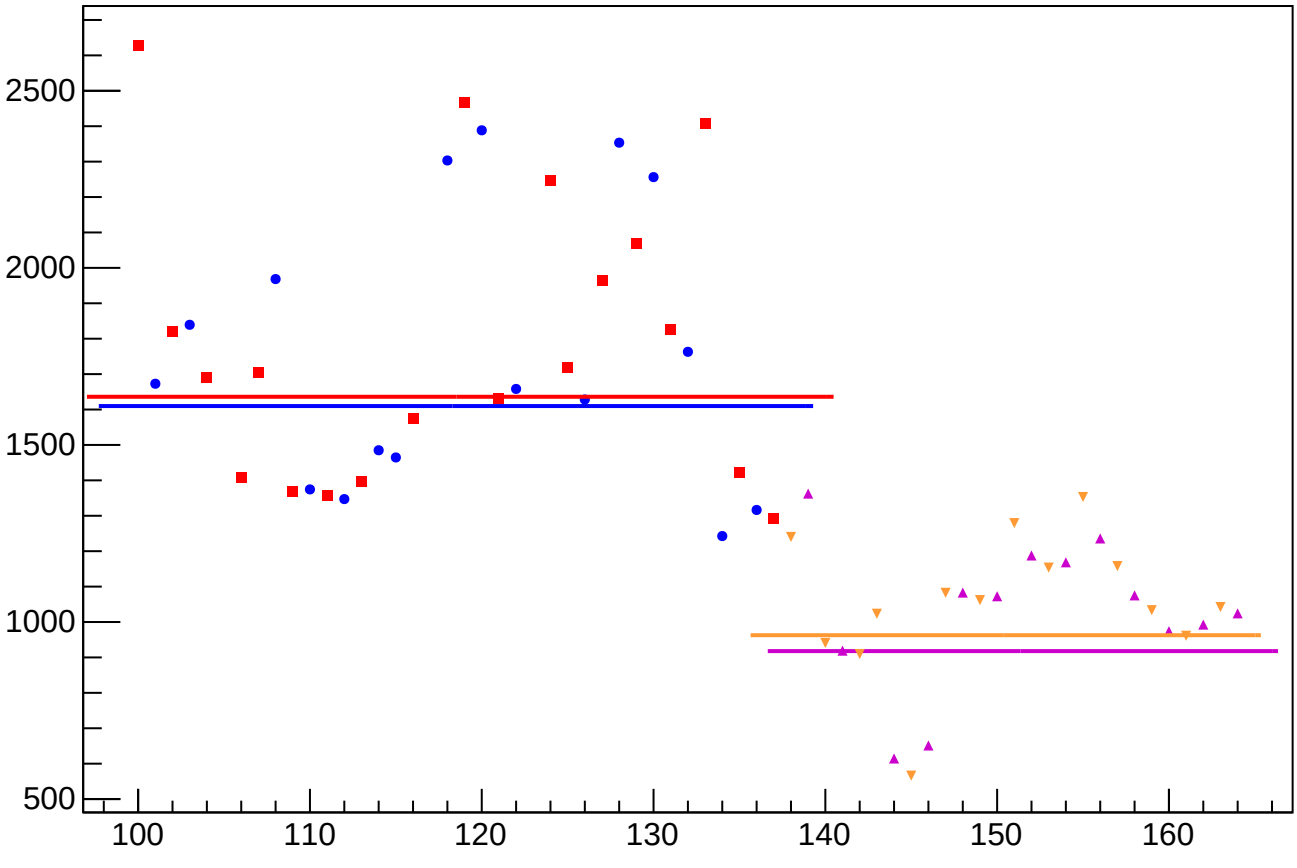
Left: -611.899+/-206.772 χ^2/NDF: 57.3/26

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -11.142+/-260.651 χ^2/NDF:34.2/28

Out: -889.865+/-267.702 χ^2/NDF:64.0/32

All: -438.779+/-186.751 χ^2/NDF: 103.7/61



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 962.731+/-0.210 χ^2/NDF:1247466.5/13

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 917.873+/-0.203 χ^2/NDF:1301391.8/12

Left: 939.555+/-0.146 χ^2/NDF: 2572364.8/26

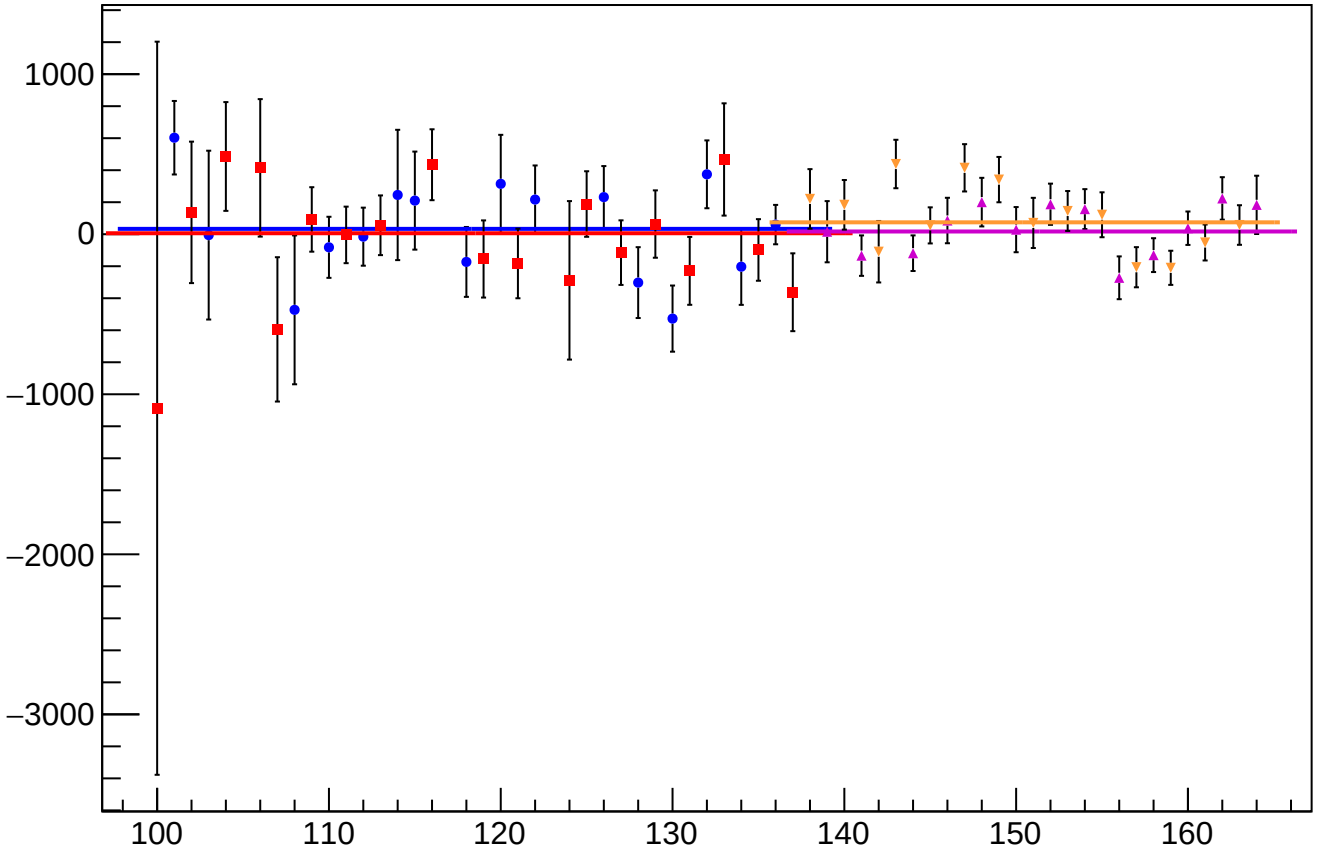
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1041.750+/-0.184 χ^2/NDF:3992043.0/28

Out: 1090.539+/-0.189 χ^2/NDF:3721018.5/32

All: 1065.493+/-0.132 χ^2/NDF: 7747163.0/61

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 74.306+/-36.096 χ^2/NDF:30.5/13

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 17.022+/-36.213 χ^2/NDF:17.5/12

Left: 45.757+/-25.565 χ^2/NDF: 49.3/26

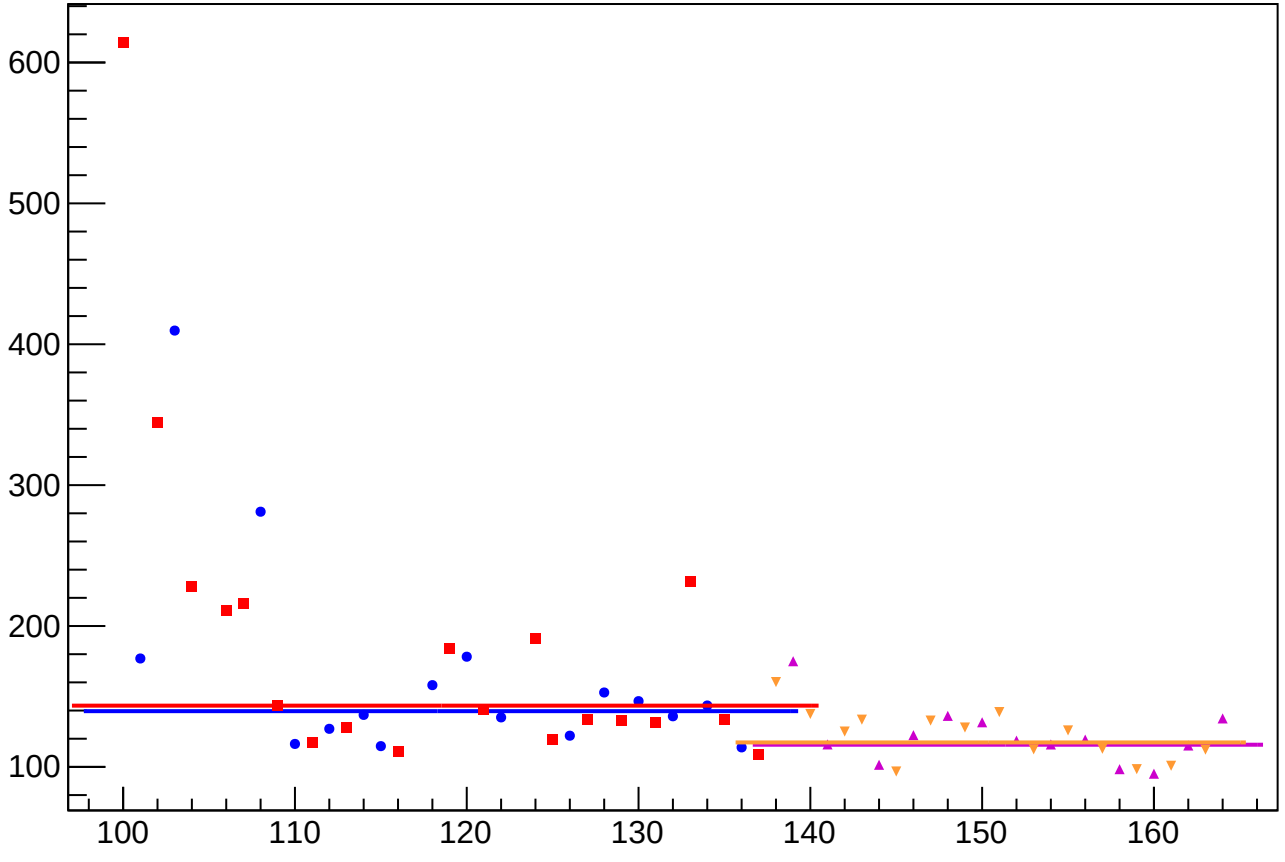
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 22.008+/-30.230 χ^2/NDF:42.8/28

Out: 54.334+/-30.354 χ^2/NDF:48.9/32

All: 38.105+/-21.420 χ^2/NDF: 92.2/61

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 117.372+/-0.026 χ^2/NDF:427349.3/13

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 115.739+/-0.026 χ^2/NDF:446458.4/12

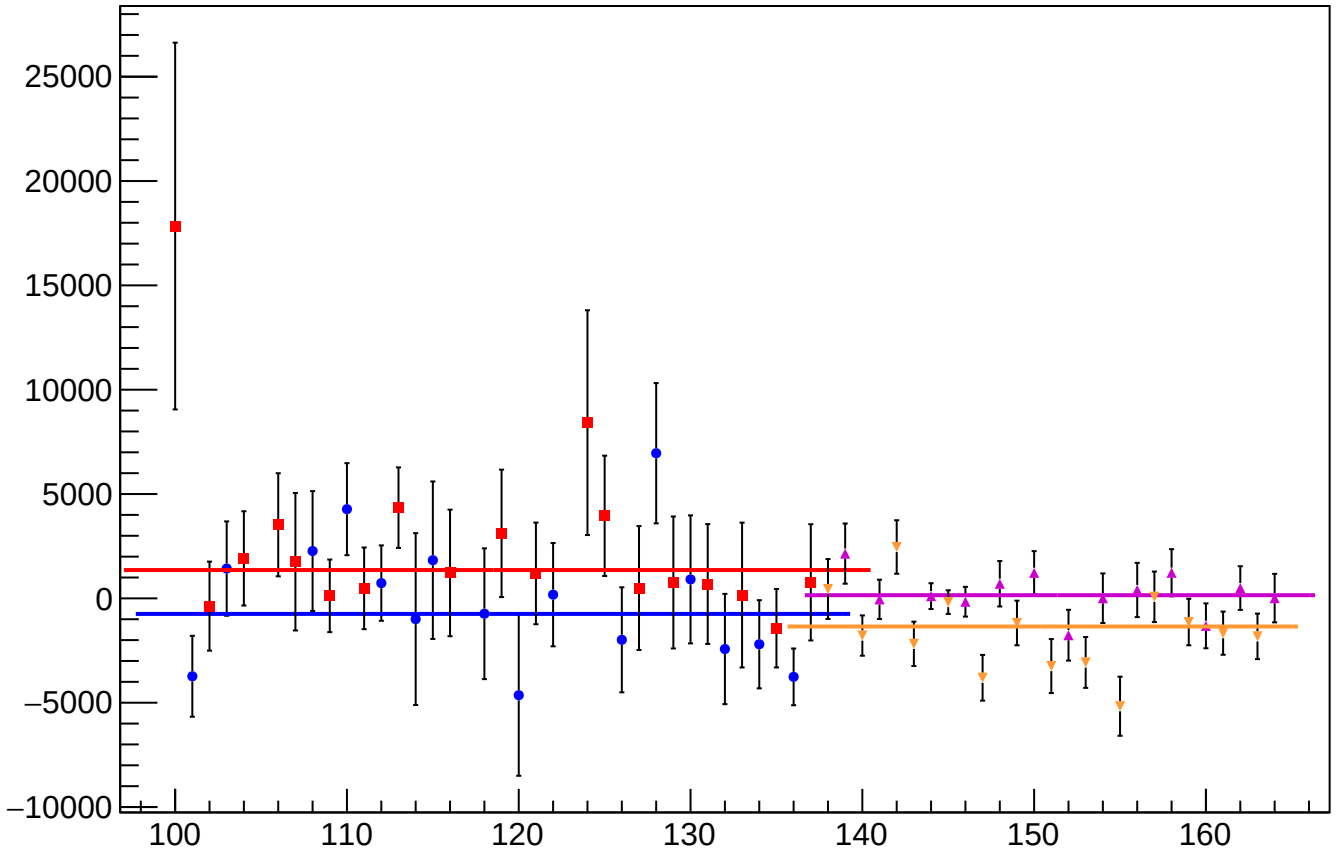
Left: 116.558+/-0.018 χ^2/NDF: 875846.2/26

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 122.962+/-0.021 χ^2/NDF:1685654.3/28

Out: 125.017+/-0.021 χ^2/NDF:1850428.5/32

All: 123.985+/-0.015 χ^2/NDF: 3540687.9/61



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1348.727+/-278.287 χ^2/NDF:33.7/13

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 151.846+/-274.757 χ^2/NDF:8.9/12

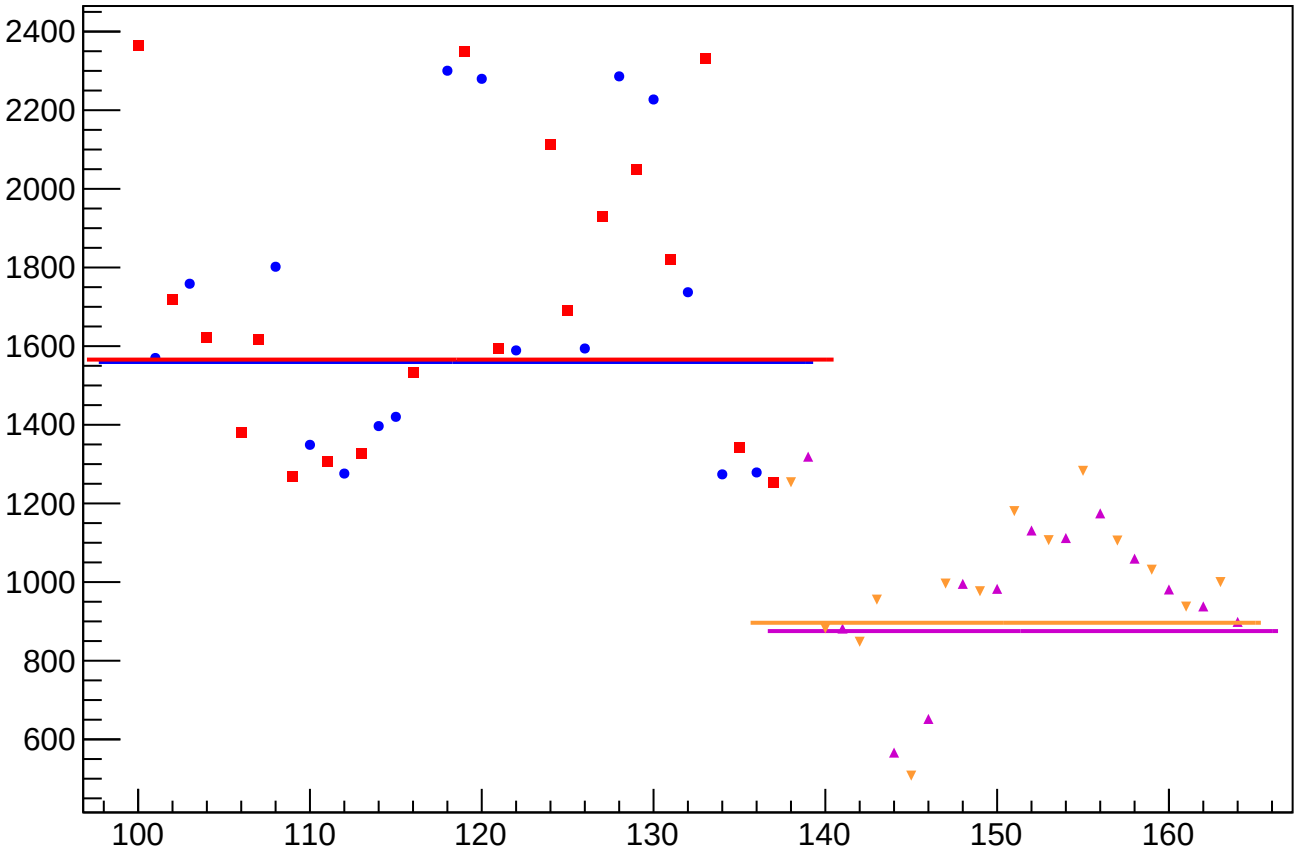
Left: -588.863+/-195.519 χ^2/NDF: 57.3/26

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -5.374+/-249.505 χ^2/NDF:34.2/28

Out: -850.387+/-251.366 χ^2/NDF:64.6/32

All: -424.742+/-177.081 χ^2/NDF: 104.5/61



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 896.540+/-0.197 χ^2/NDF:1518966.4/13

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 875.406+/-0.194 χ^2/NDF:1286152.2/12

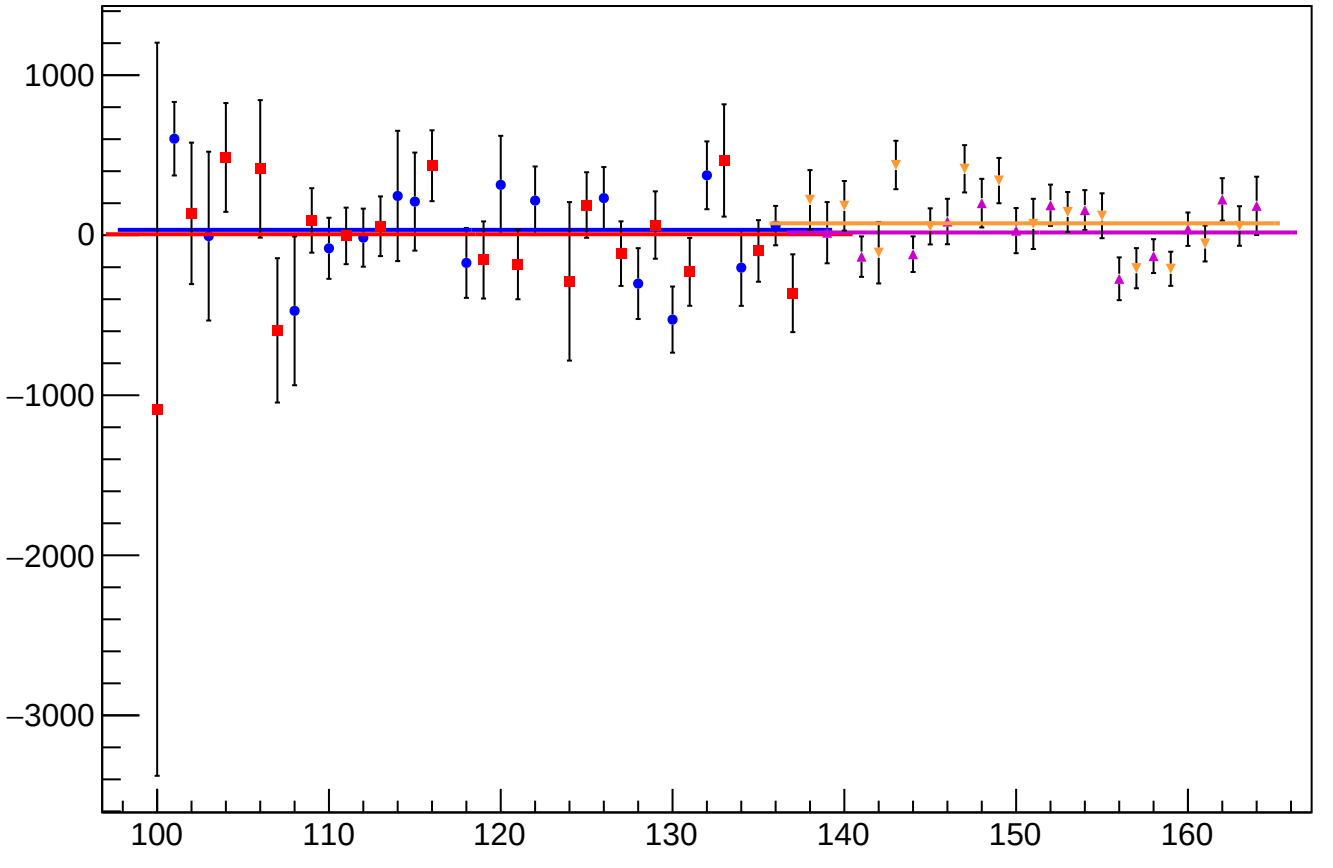
Left: 885.838+/-0.138 χ^2/NDF: 2810959.9/26

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 995.414+/-0.176 χ^2/NDF:4066100.0/28

Out: 1019.766+/-0.178 χ^2/NDF:4212644.9/32

All: 1007.499+/-0.125 χ^2/NDF: 8288200.4/61



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 74.309+/-36.096 χ^2/NDF:30.5/13

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 17.021+/-36.213 χ^2/NDF:17.5/12

Left: 45.757+/-25.565 χ^2/NDF: 49.3/26

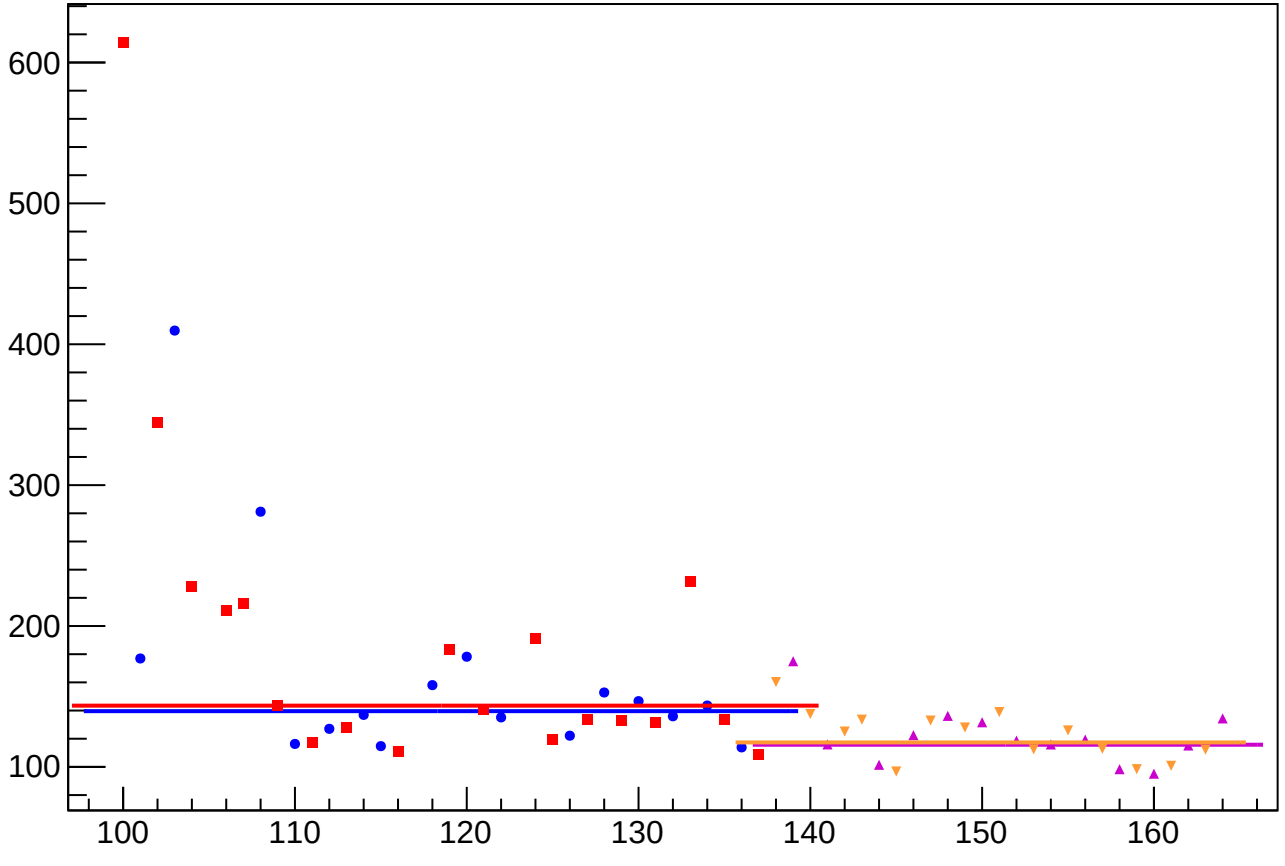
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 22.007+/-30.230 χ^2/NDF:42.8/28

Out: 54.334+/-30.354 χ^2/NDF:48.9/32

All: 38.105+/-21.420 χ^2/NDF: 92.2/61

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 117.372+/-0.026 χ^2/NDF:427364.5/13

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 115.740+/-0.026 χ^2/NDF:446467.5/12

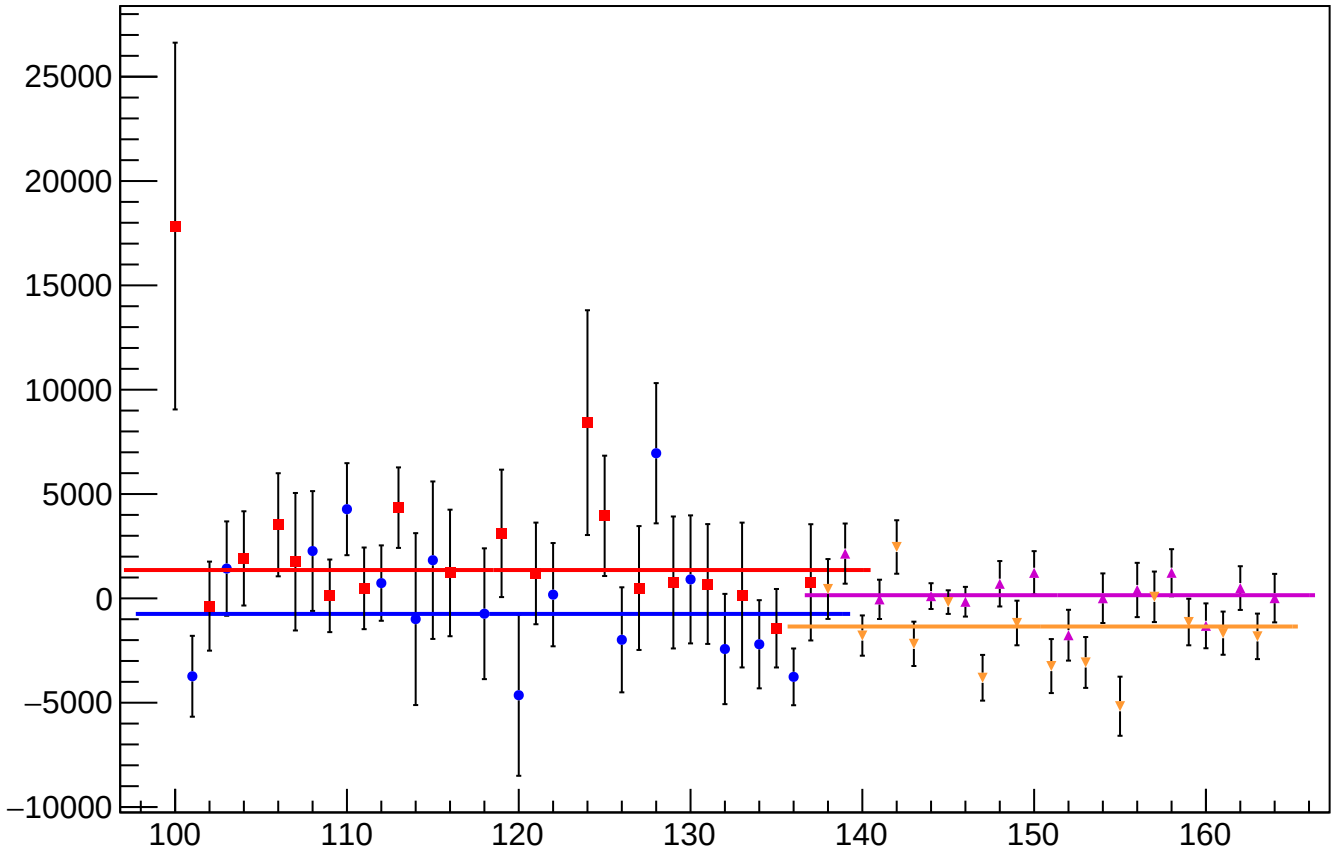
Left: 116.559+/-0.018 χ^2/NDF: 875870.7/26

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 122.962+/-0.021 χ^2/NDF:1685660.5/28

Out: 125.018+/-0.021 χ^2/NDF:1850445.7/32

All: 123.986+/-0.015 χ^2/NDF: 3540712.0/61



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1348.727+/-278.287 χ^2/NDF:33.7/13

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 151.845+/-274.757 χ^2/NDF:8.9/12

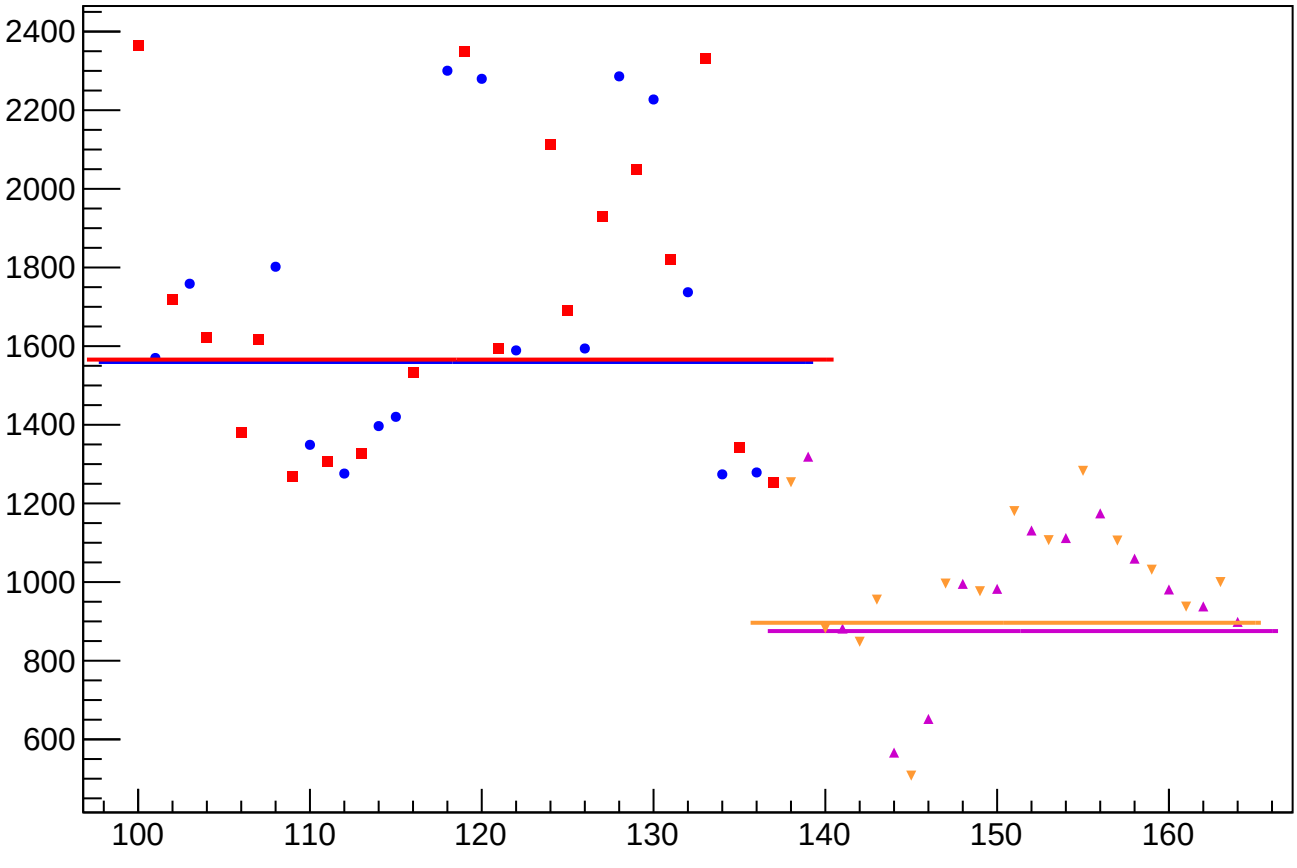
Left: -588.864+/-195.519 χ^2/NDF: 57.3/26

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -5.375+/-249.505 χ^2/NDF:34.2/28

Out: -850.387+/-251.366 χ^2/NDF:64.6/32

All: -424.742+/-177.081 χ^2/NDF: 104.5/61



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 896.539+/-0.197 χ^2/NDF:1518963.2/13

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 875.405+/-0.194 χ^2/NDF:1286149.3/12

Left: 885.837+/-0.138 χ^2/NDF: 2810953.7/26

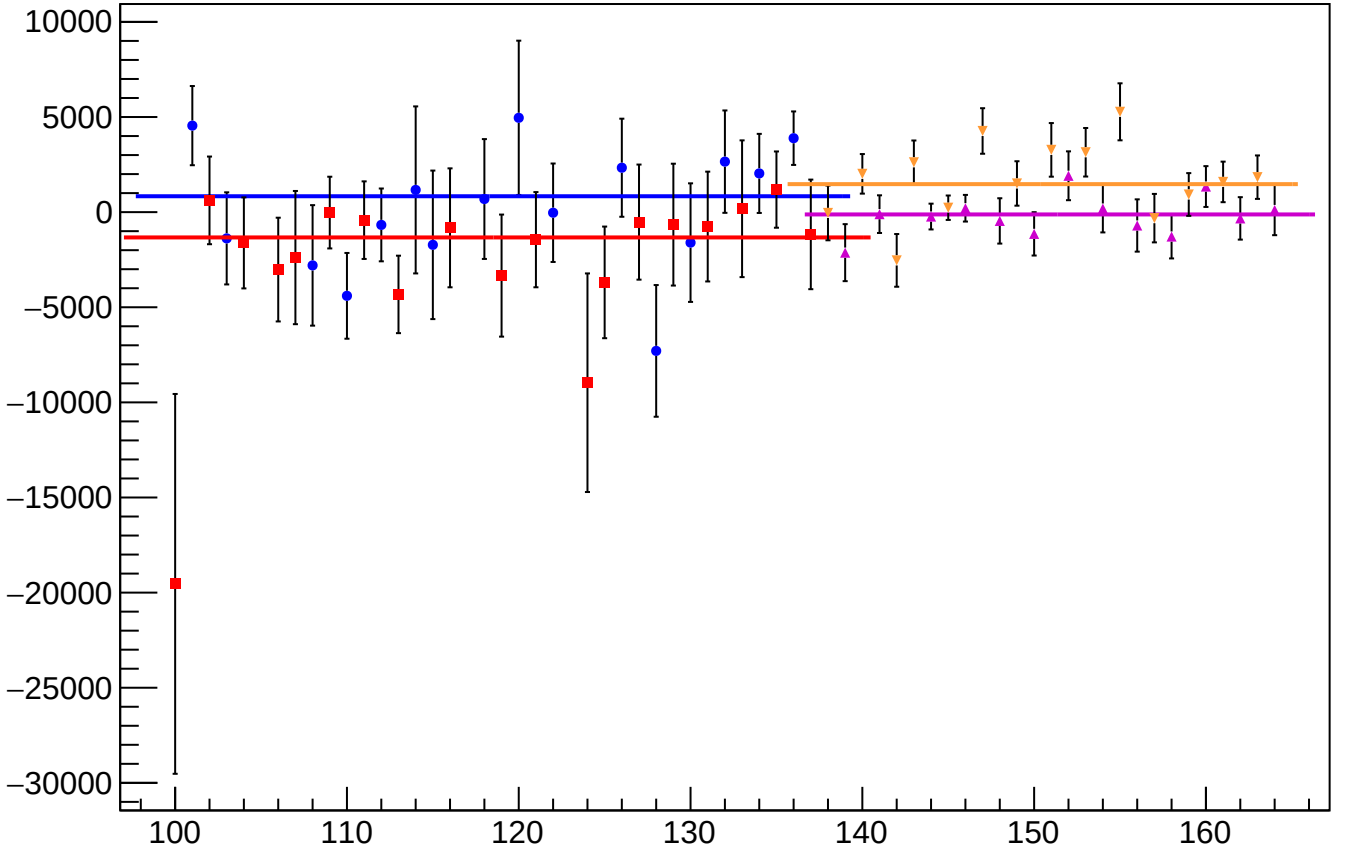
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 995.413+/-0.176 χ^2/NDF:4066098.5/28

Out: 1019.765+/-0.178 χ^2/NDF:4212638.7/32

All: 1007.498+/-0.125 χ^2/NDF: 8288192.7/61

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1472.035+/-299.250 χ^2/NDF:32.0/13

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -120.683+/-289.576 χ^2/NDF:8.6/12

Left: 649.516+/-208.097 χ^2/NDF: 55.3/26

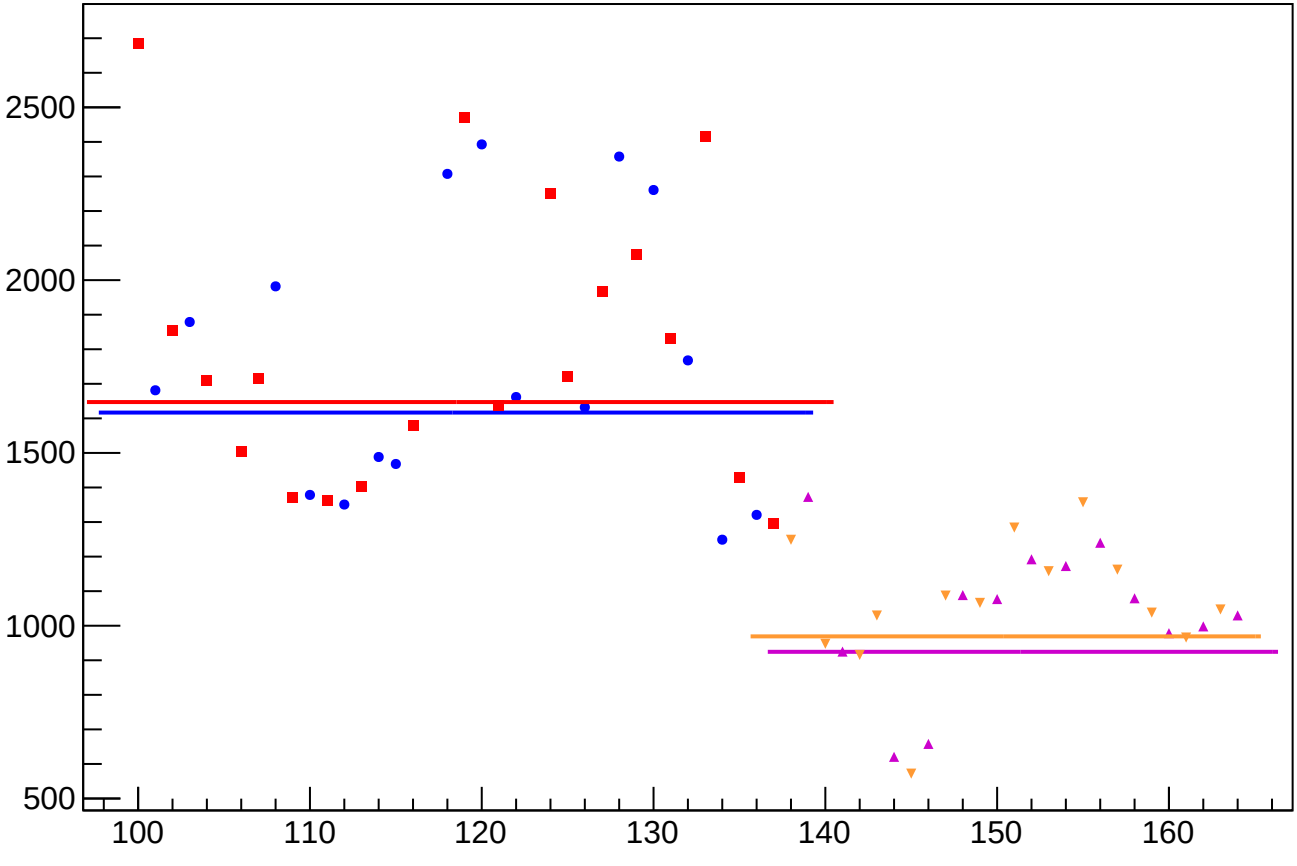
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 51.102+/-262.277 χ^2/NDF:35.5/28

Out: 937.713+/-269.205 χ^2/NDF:60.9/32

All: 482.852+/-187.859 χ^2/NDF: 101.9/61

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 969.158+/-0.212 χ^2/NDF:1224336.9/13

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 924.487+/-0.205 χ^2/NDF:1277990.0/12

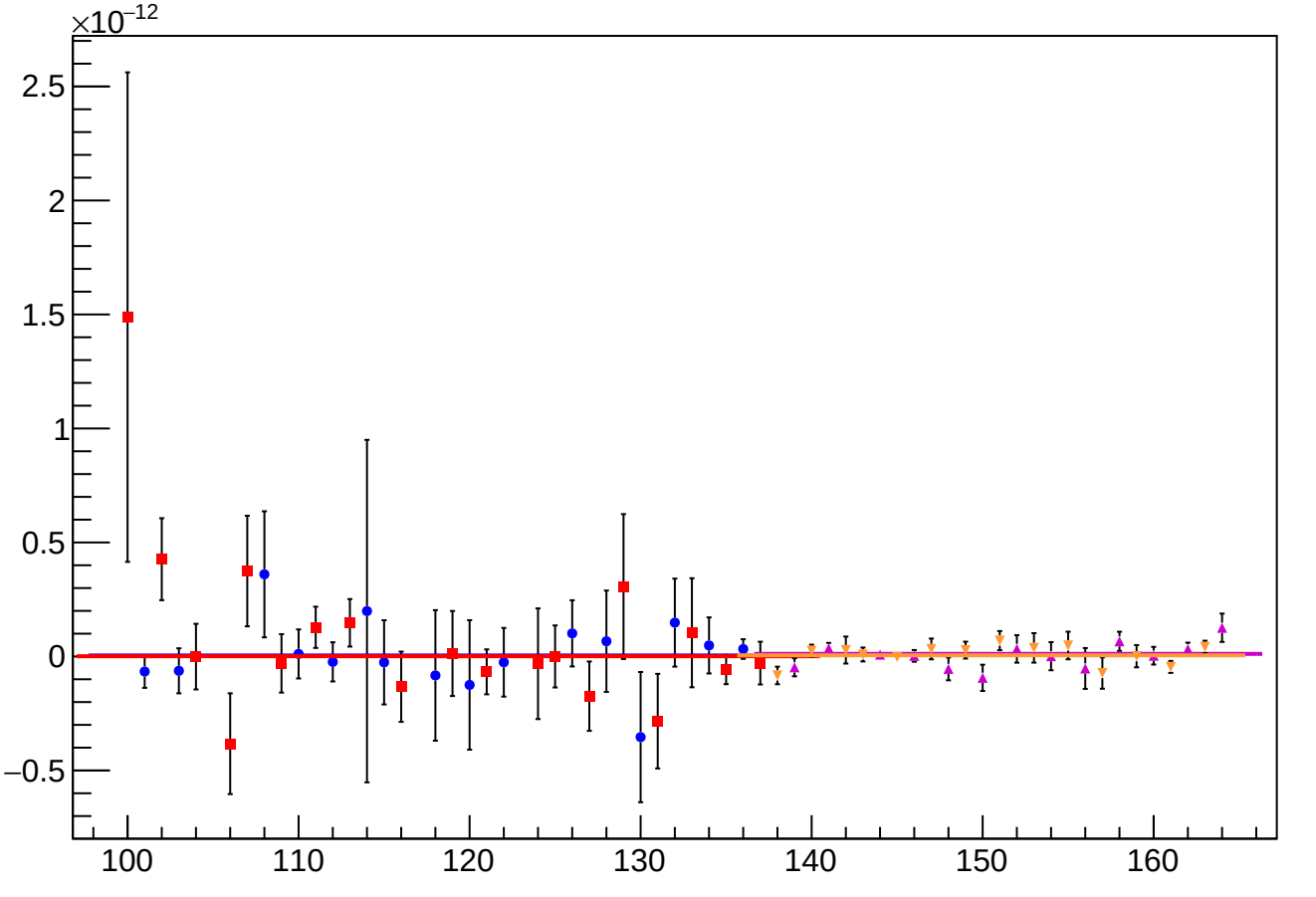
Left: 946.089+/-0.147 χ^2/NDF: 2525342.4/26

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1048.867+/-0.185 χ^2/NDF:3954079.3/28

Out: 1098.481+/-0.190 χ^2/NDF:3706641.7/32

All: 1073.027+/-0.133 χ^2/NDF: 7695571.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:14.8/12

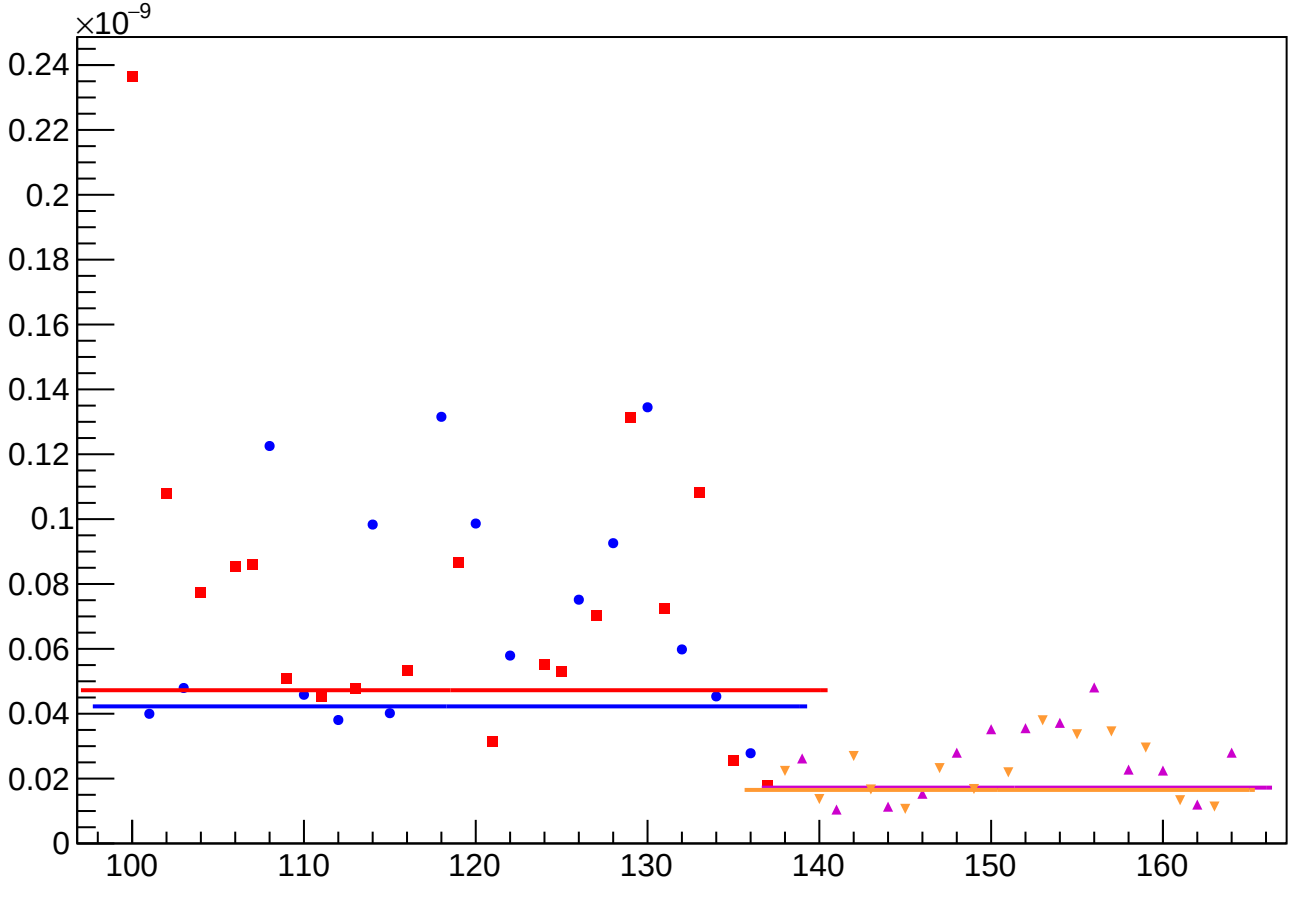
Left: 0.000+/-0.000 χ^2/NDF: 32.0/26

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:21.7/28

Out: 0.000+/-0.000 χ^2/NDF:40.4/32

All: 0.000+/-0.000 χ^2/NDF: 62.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1172714.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1608270.9/12

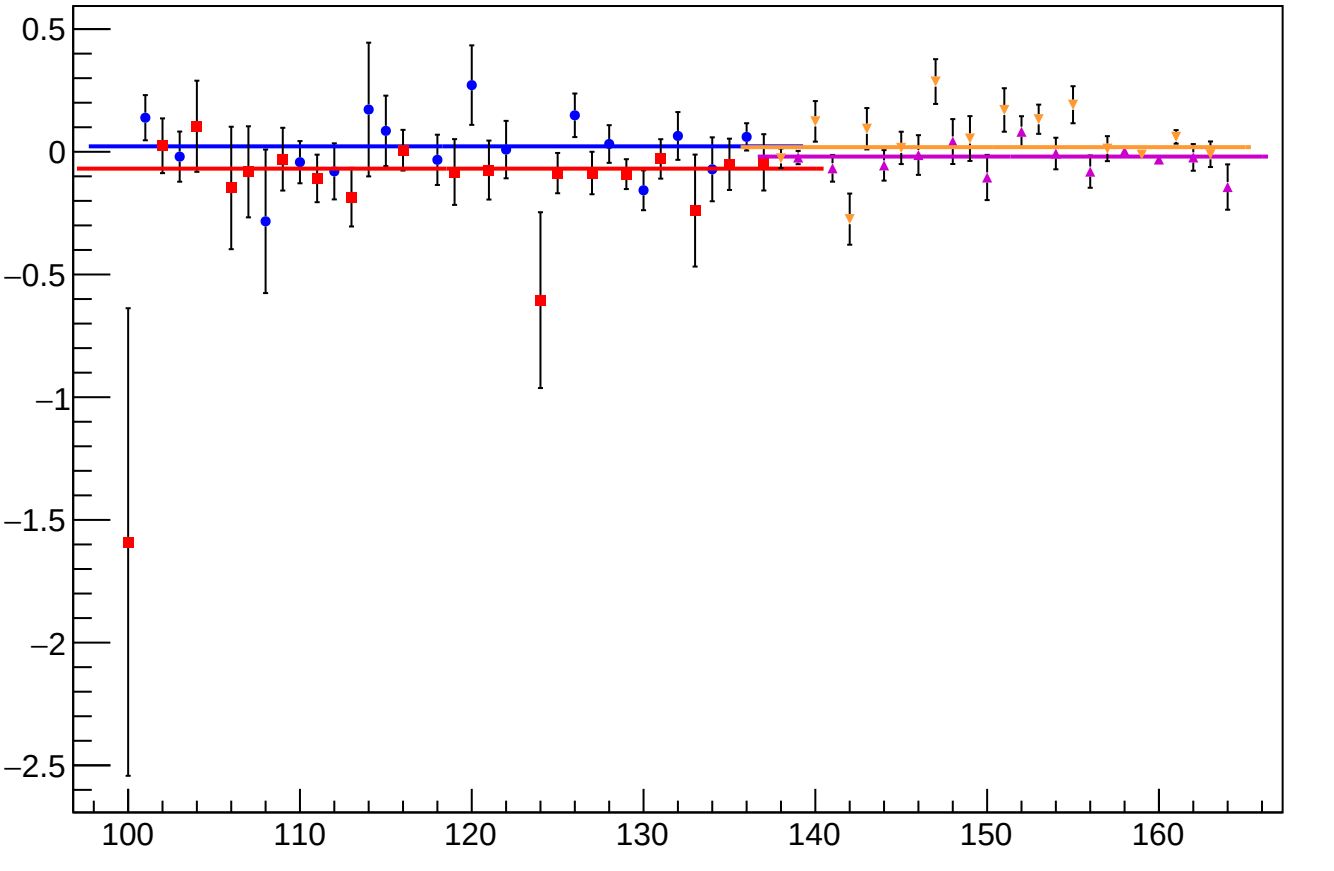
Left: 0.000+/-0.000 χ^2/NDF: 2786678.3/26

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:4264558.5/28

Out: 0.000+/-0.000 χ^2/NDF:4472359.3/32

All: 0.000+/-0.000 χ^2/NDF: 8746993.4/61



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.8/13

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.019+/-0.009 χ^2/NDF:10.0/12

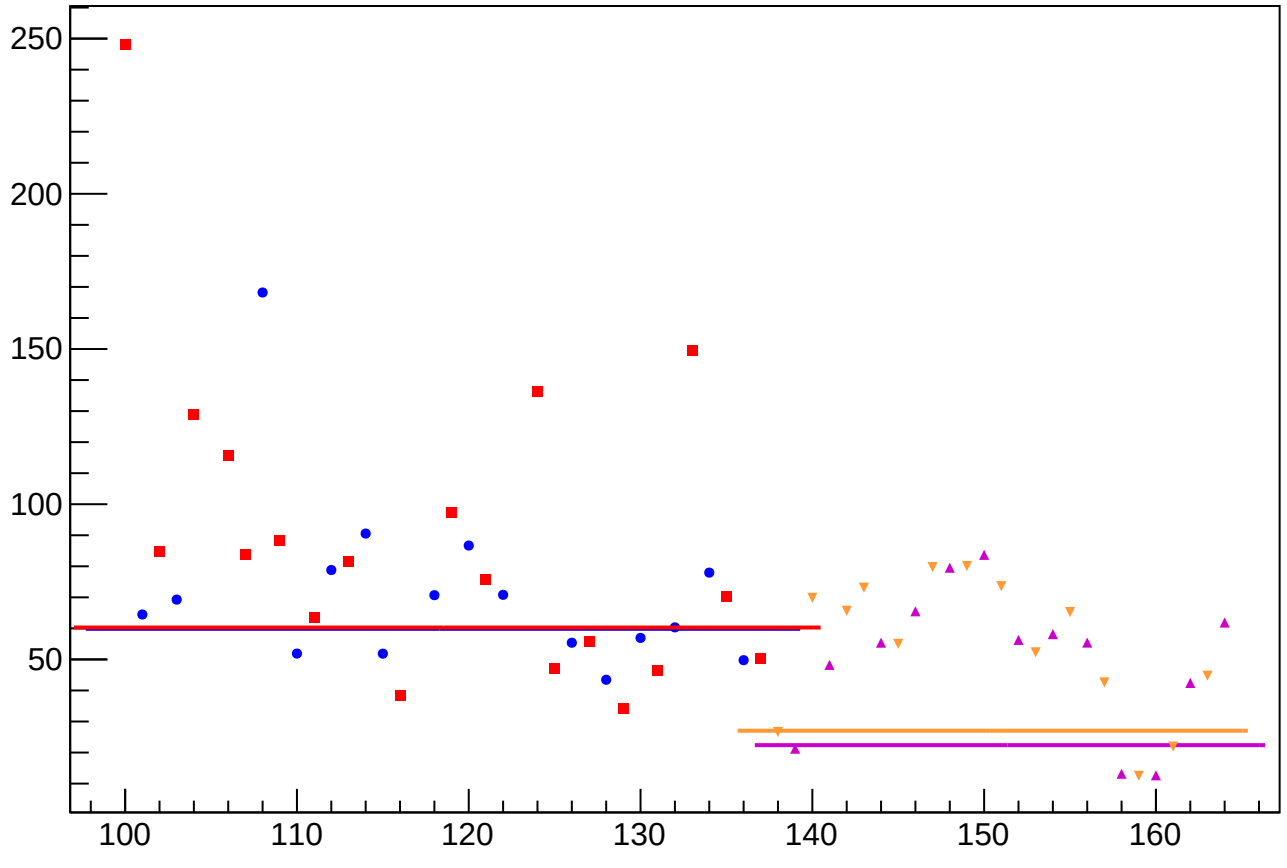
Left: -0.003+/-0.007 χ^2/NDF: 55.9/26

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.014+/-0.009 χ^2/NDF:28.0/28

Out: 0.005+/-0.010 χ^2/NDF:58.5/32

All: -0.006+/-0.007 χ^2/NDF: 88.6/61



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.032+/-0.008 χ^2/NDF:6791874.5/13

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 22.388+/-0.007 χ^2/NDF:6965108.3/12

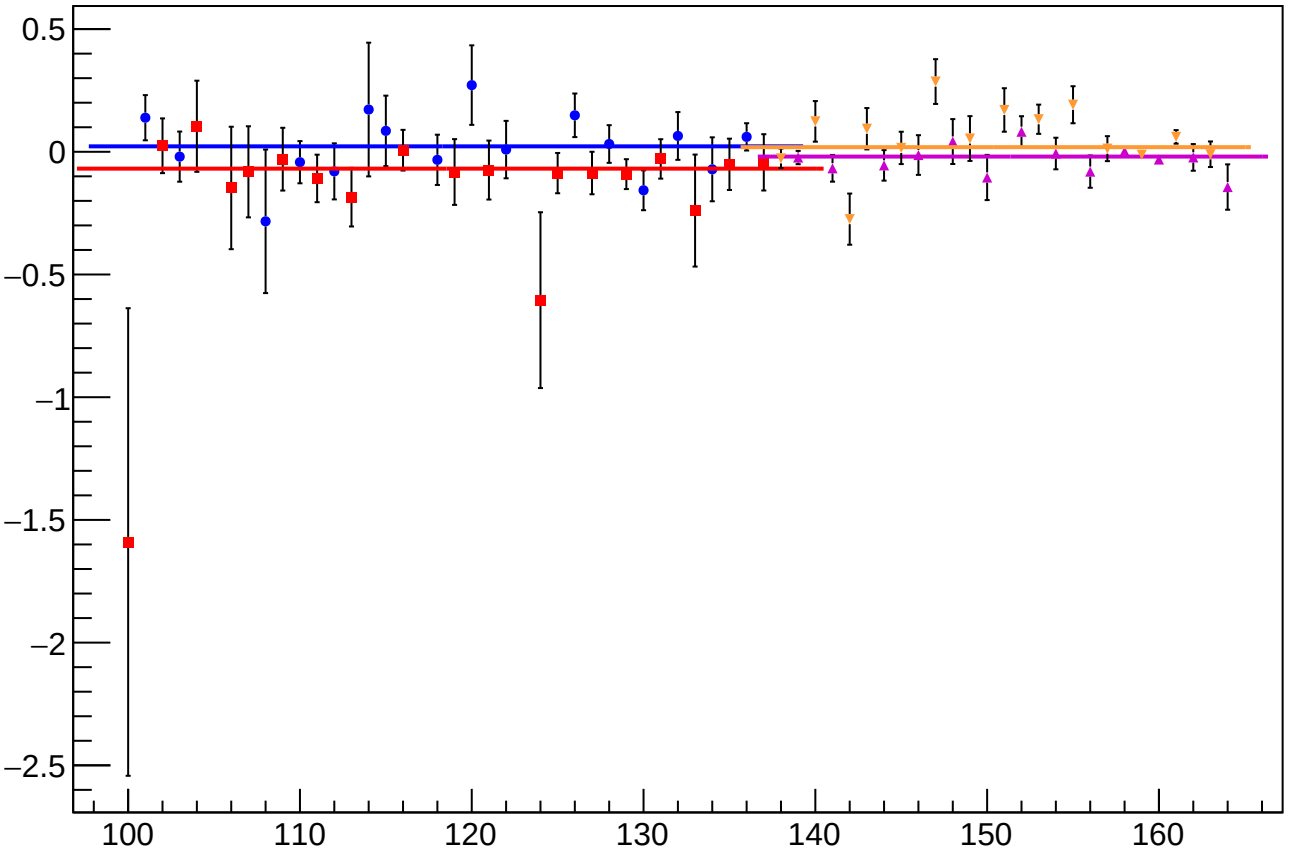
Left: 24.370+/-0.005 χ^2/NDF: 13962824.8/26

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.189+/-0.006 χ^2/NDF:11687455.5/28

Out: 32.294+/-0.007 χ^2/NDF:11681157.6/32

All: 29.412+/-0.005 χ^2/NDF: 23659596.8/61



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.8/13

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.019+/-0.009 χ^2/NDF:10.0/12

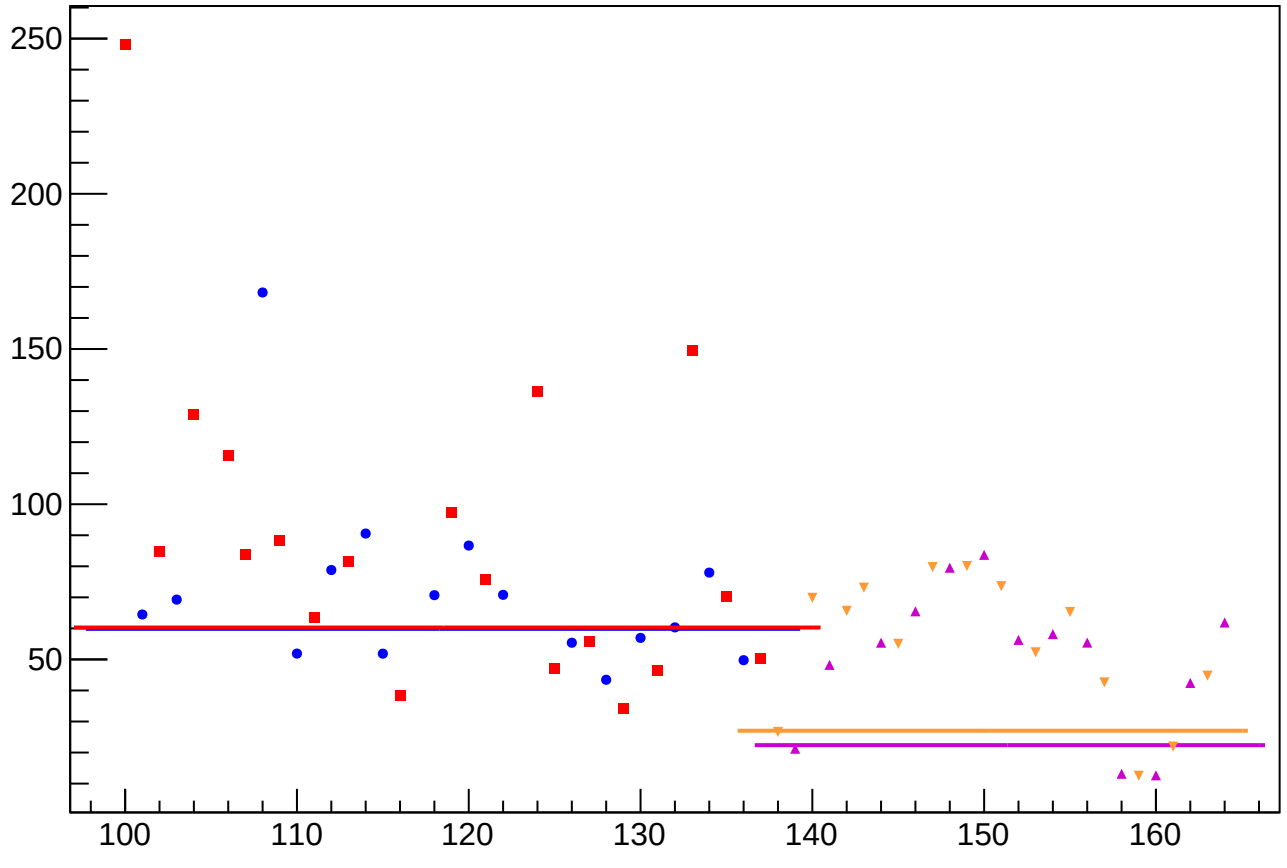
Left: -0.003+/-0.007 χ^2/NDF: 55.9/26

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.014+/-0.009 χ^2/NDF:28.0/28

Out: 0.005+/-0.010 χ^2/NDF:58.5/32

All: -0.006+/-0.007 χ^2/NDF: 88.6/61



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.032+/-0.008 χ^2/NDF:6791874.5/13

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 22.388+/-0.007 χ^2/NDF:6965108.3/12

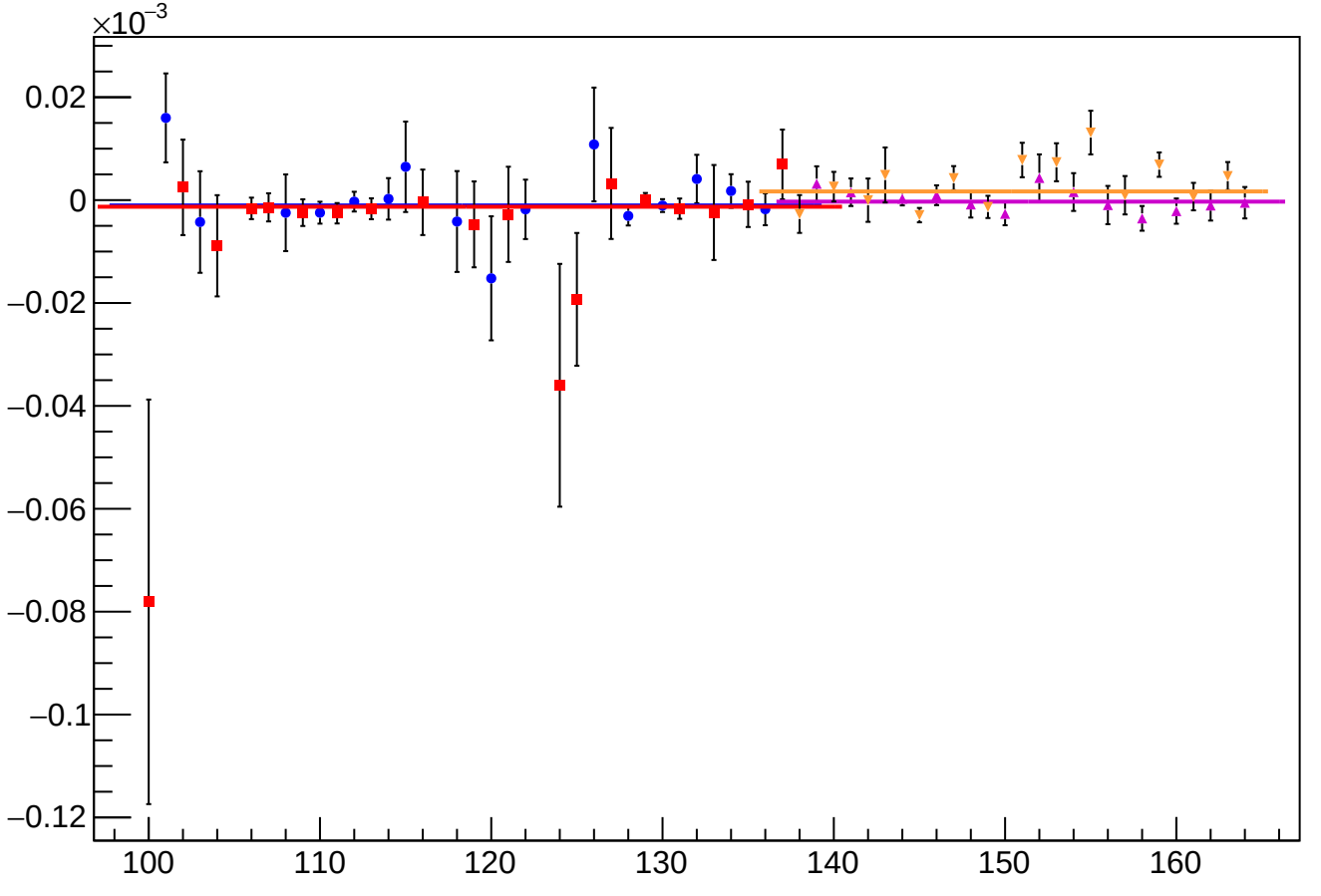
Left: 24.370+/-0.005 χ^2/NDF: 13962824.8/26

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.189+/-0.006 χ^2/NDF:11687455.5/28

Out: 32.294+/-0.007 χ^2/NDF:11681157.6/32

All: 29.412+/-0.005 χ^2/NDF: 23659596.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:7.1/12

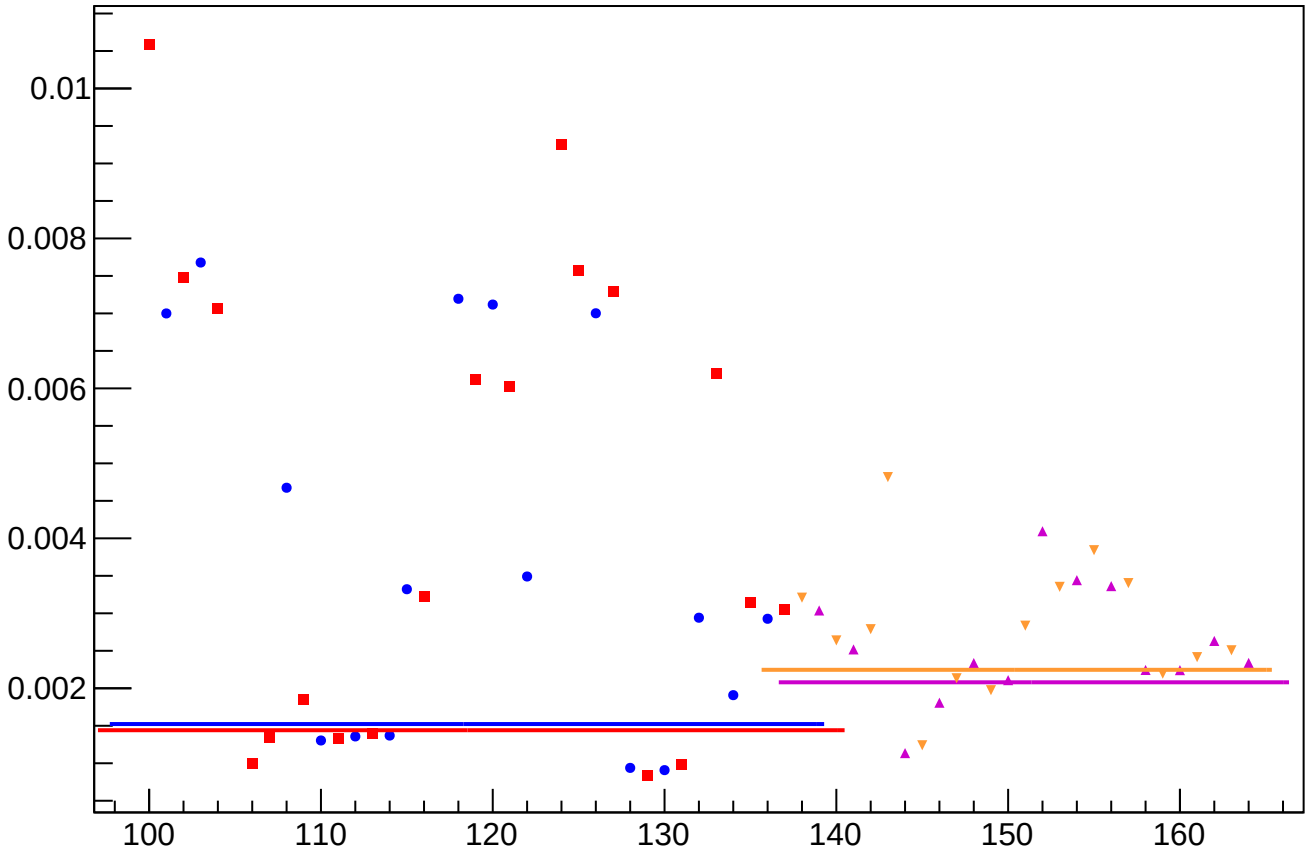
Left: 0.000+/-0.000 χ^2/NDF: 46.3/26

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:18.9/28

Out: 0.000+/-0.000 χ^2/NDF:56.5/32

All: -0.000+/-0.000 χ^2/NDF: 76.6/61



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2486876.1/13

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2321814.5/12

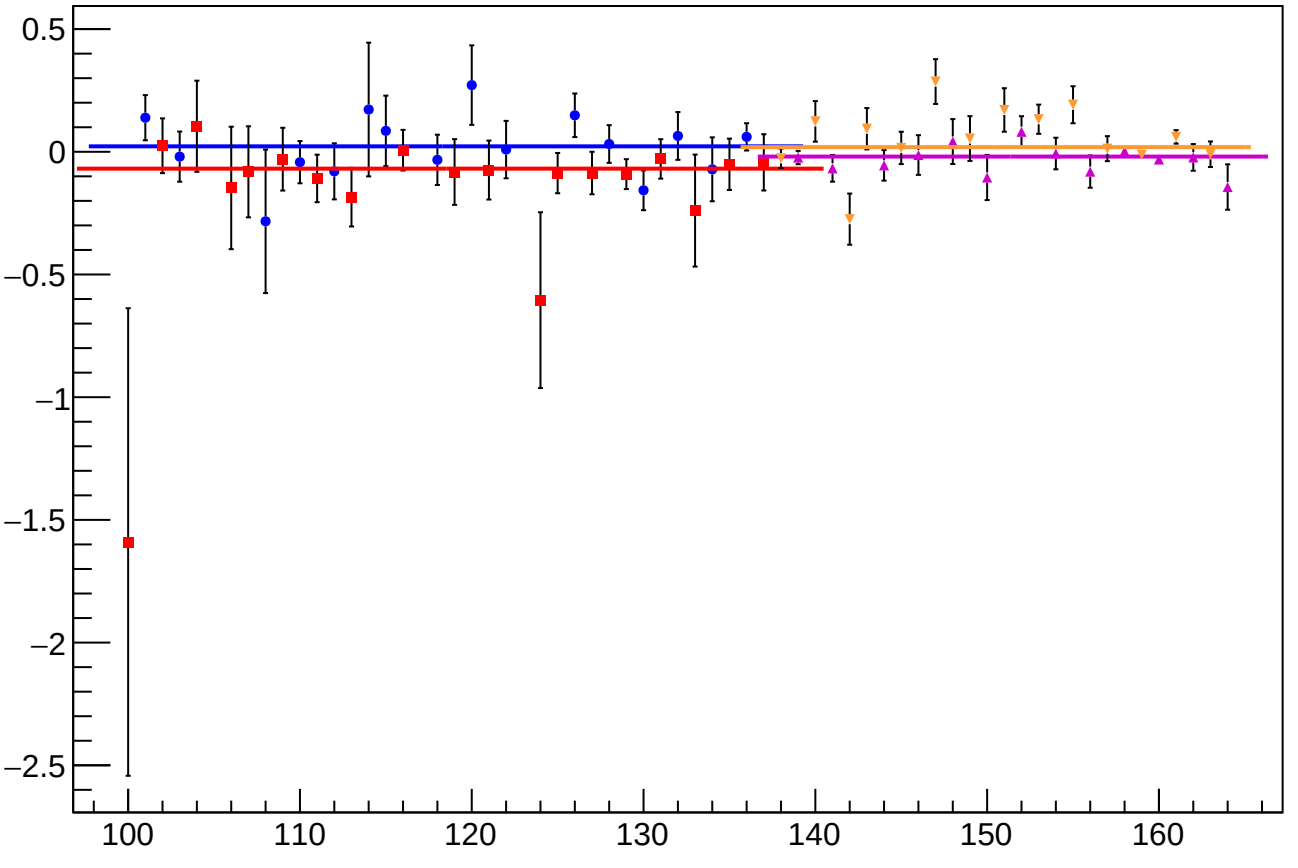
Left: 0.002+/-0.000 χ^2/NDF: 4865731.4/26

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8123588.5/28

Out: 0.002+/-0.000 χ^2/NDF:9567535.1/32

All: 0.002+/-0.000 χ^2/NDF: 17691269.2/61



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.8/13

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.019+/-0.009 χ^2/NDF:10.0/12

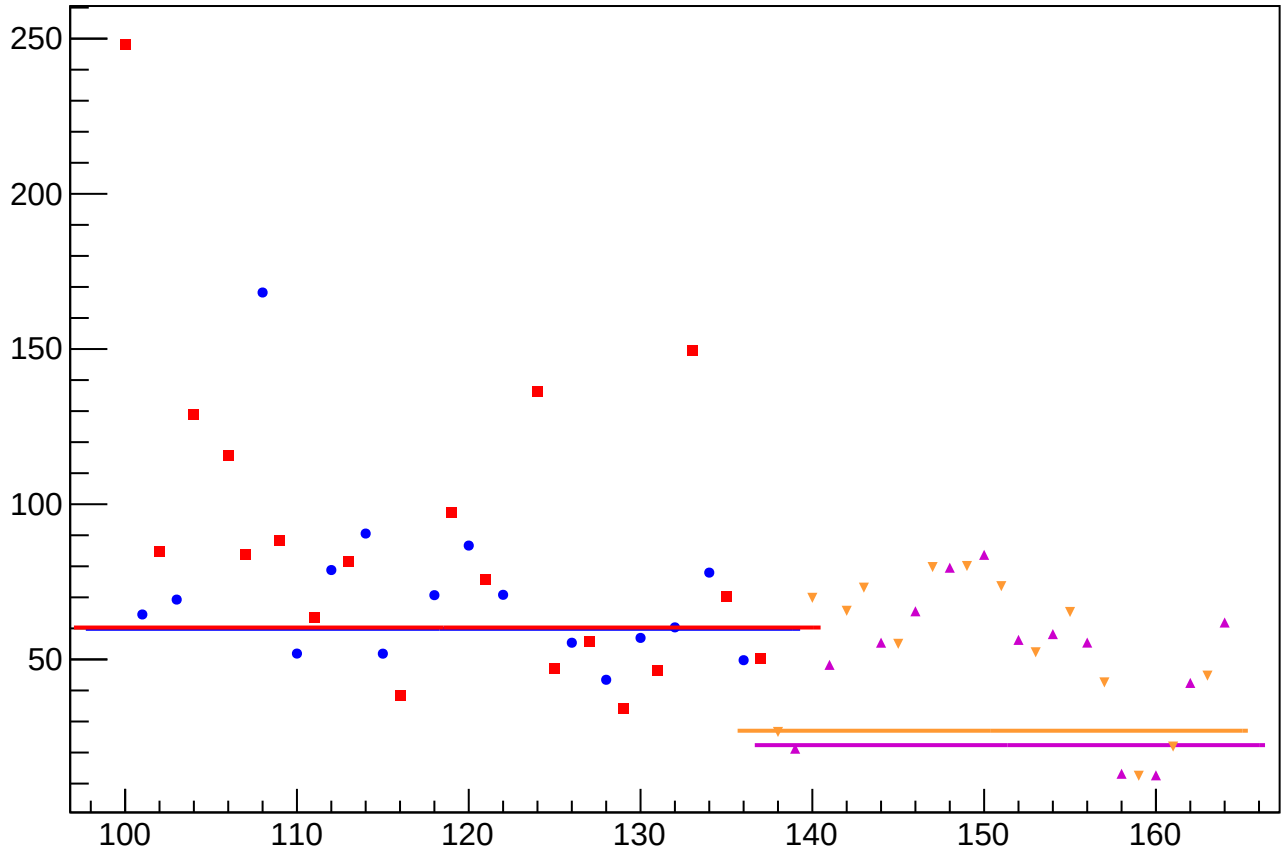
Left: -0.003+/-0.007 χ^2/NDF: 55.9/26

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.014+/-0.009 χ^2/NDF:28.0/28

Out: 0.005+/-0.010 χ^2/NDF:58.5/32

All: -0.006+/-0.007 χ^2/NDF: 88.6/61



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.030+/-0.008 χ^2/NDF:6792855.4/13

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.387+/-0.007 χ^2/NDF:6965482.7/12

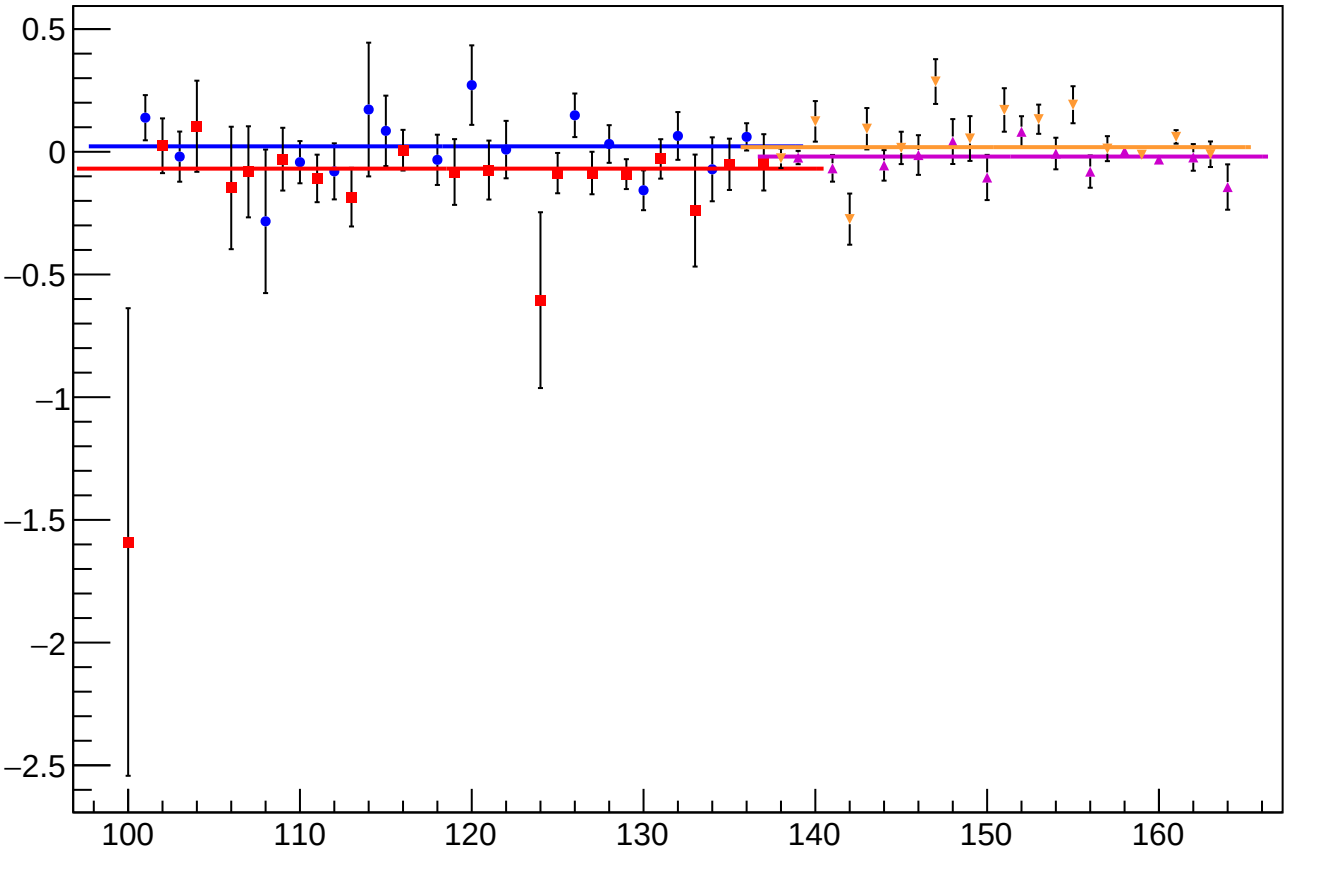
Left: 24.369+/-0.005 χ^2/NDF: 13964050.9/26

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.188+/-0.006 χ^2/NDF:11688118.8/28

Out: 32.291+/-0.007 χ^2/NDF:11682686.4/32

All: 29.410+/-0.005 χ^2/NDF: 23661627.0/61



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.8/13

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.019+/-0.009 χ^2/NDF:10.0/12

Left: -0.003+/-0.007 χ^2/NDF: 55.9/26

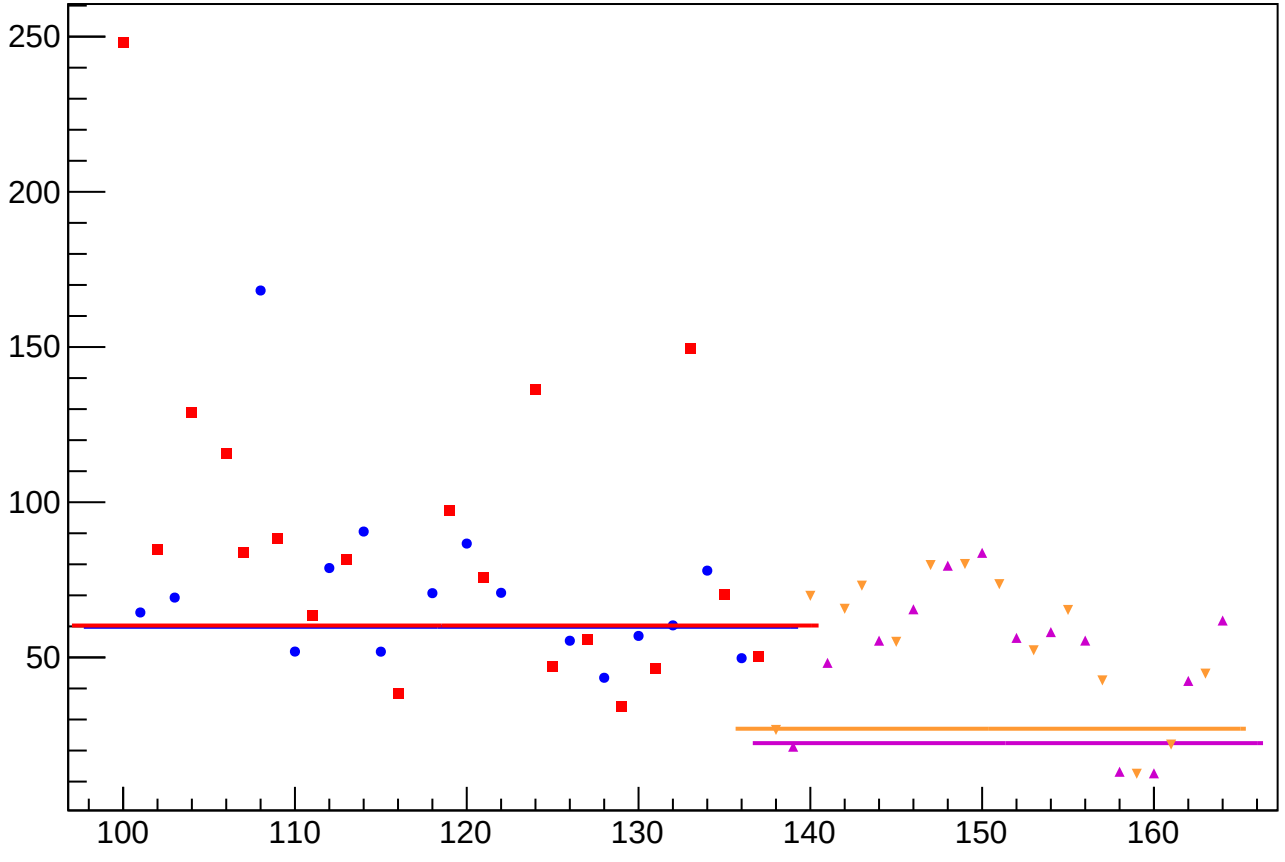
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.014+/-0.009 χ^2/NDF:28.0/28

Out: 0.005+/-0.010 χ^2/NDF:58.5/32

All: -0.006+/-0.007 χ^2/NDF: 88.6/61

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.030+/-0.008 χ^2/NDF:6792855.4/13

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 22.387+/-0.007 χ^2/NDF:6965482.7/12

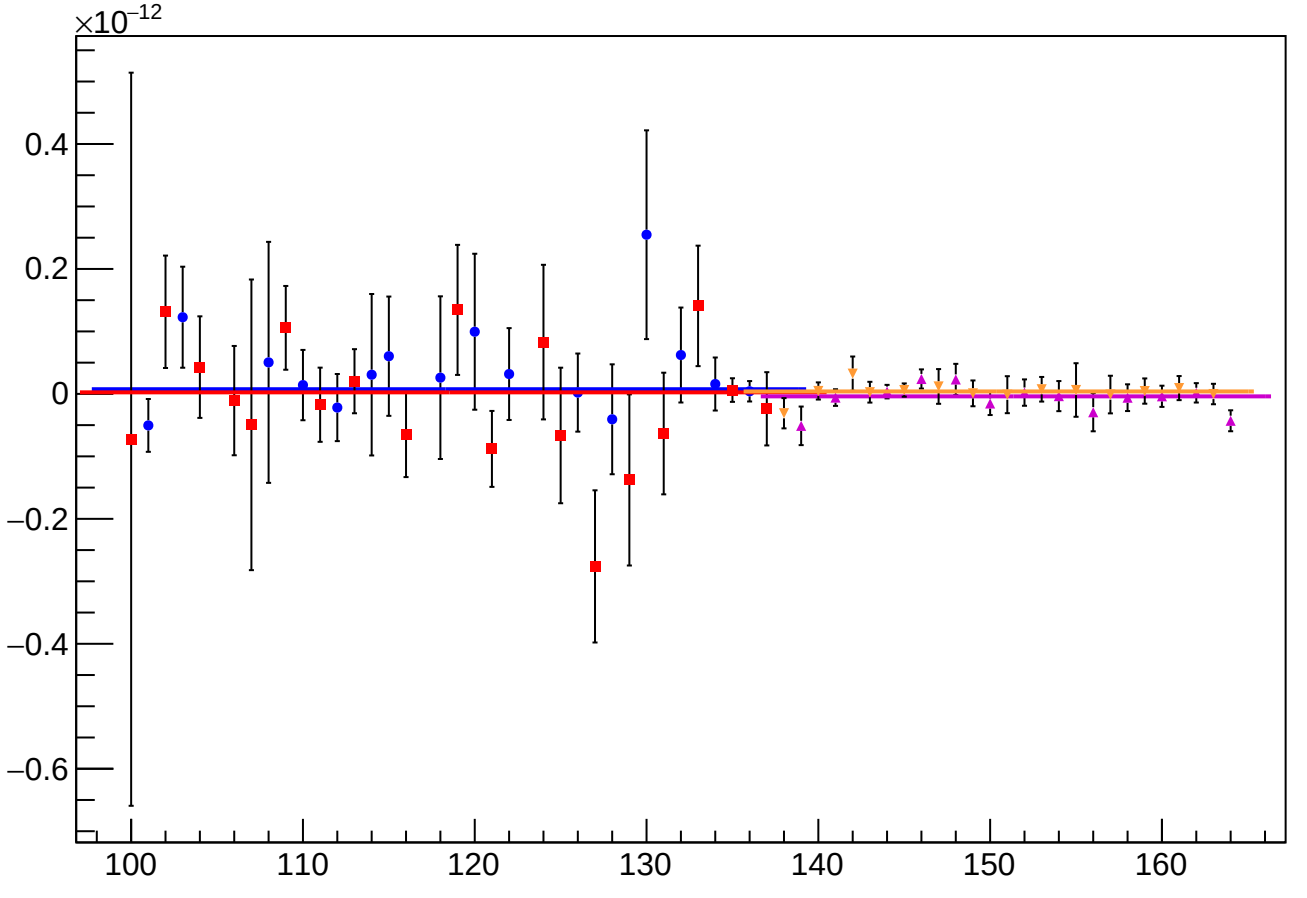
Left: 24.369+/-0.005 χ^2/NDF: 13964050.9/26

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.188+/-0.006 χ^2/NDF:11688118.8/28

Out: 32.291+/-0.007 χ^2/NDF:11682686.4/32

All: 29.410+/-0.005 χ^2/NDF: 23661627.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/12

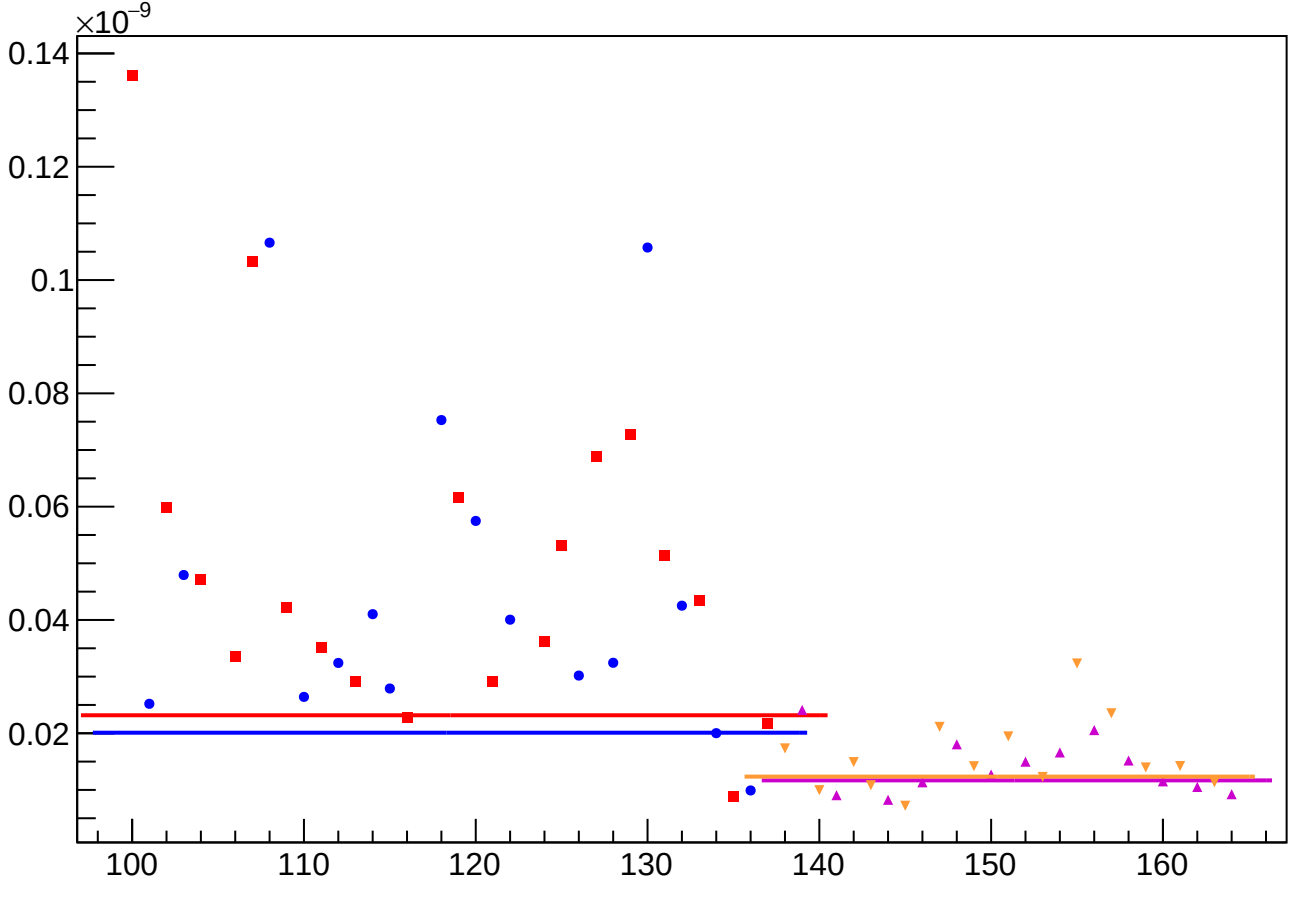
Left: -0.000+/-0.000 χ^2/NDF: 18.8/26

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:23.2/28

Out: 0.000+/-0.000 χ^2/NDF:23.2/32

All: 0.000+/-0.000 χ^2/NDF: 47.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1728180.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1148025.9/12

Left: 0.000+/-0.000 χ^2/NDF: 2894231.8/26

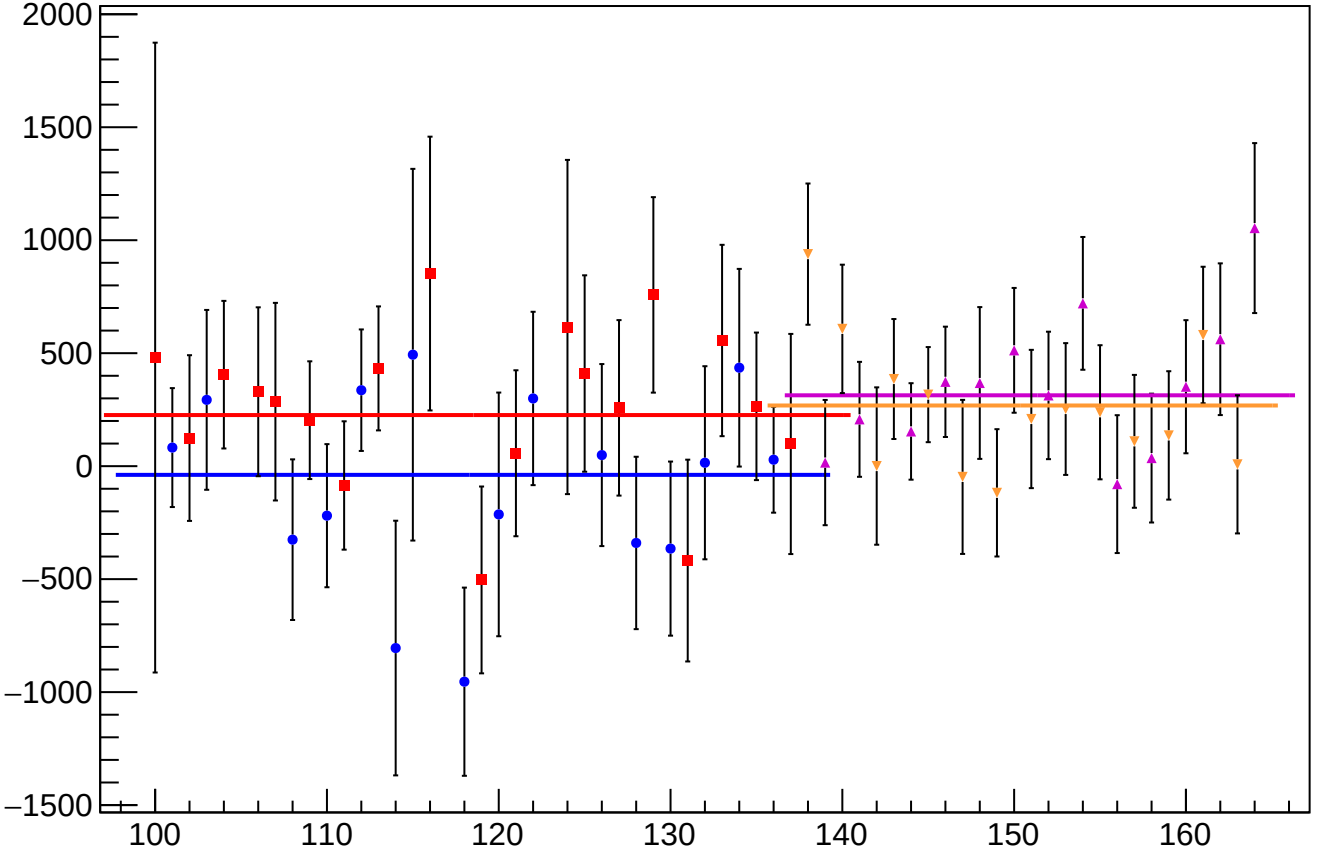
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:5097357.8/28

Out: 0.000+/-0.000 χ^2/NDF:6382301.8/32

All: 0.000+/-0.000 χ^2/NDF: 11513057.2/61

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 268.518+/-77.095 χ^2/NDF:12.0/13

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 313.606+/-78.128 χ^2/NDF:11.5/12

Left: 290.762+/-54.876 χ^2/NDF: 23.6/26

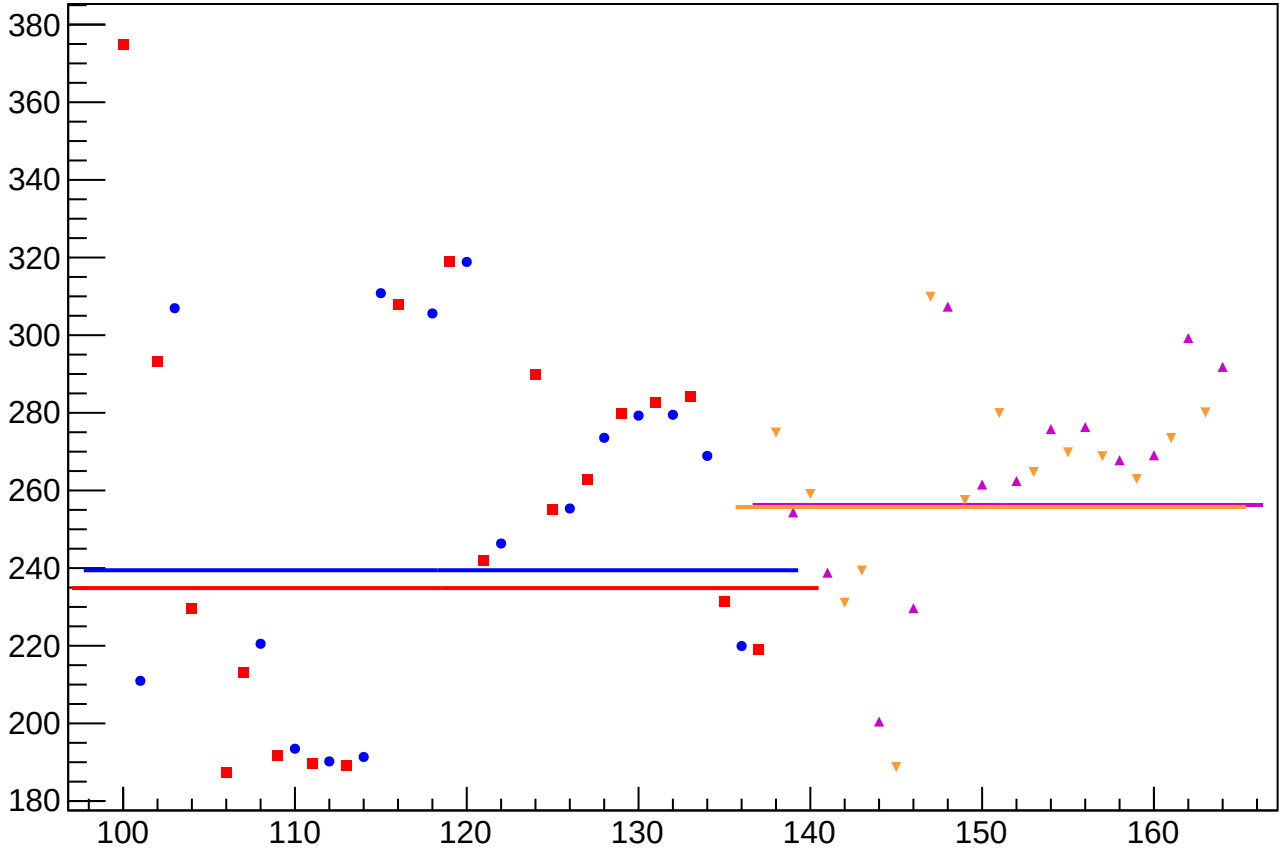
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 163.475+/-59.172 χ^2/NDF:34.6/28

Out: 250.106+/-57.962 χ^2/NDF:23.5/32

All: 207.685+/-41.407 χ^2/NDF: 59.2/61

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 255.725+/-0.055 χ^2/NDF:322324.5/13

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 256.268+/-0.055 χ^2/NDF:292901.4/12

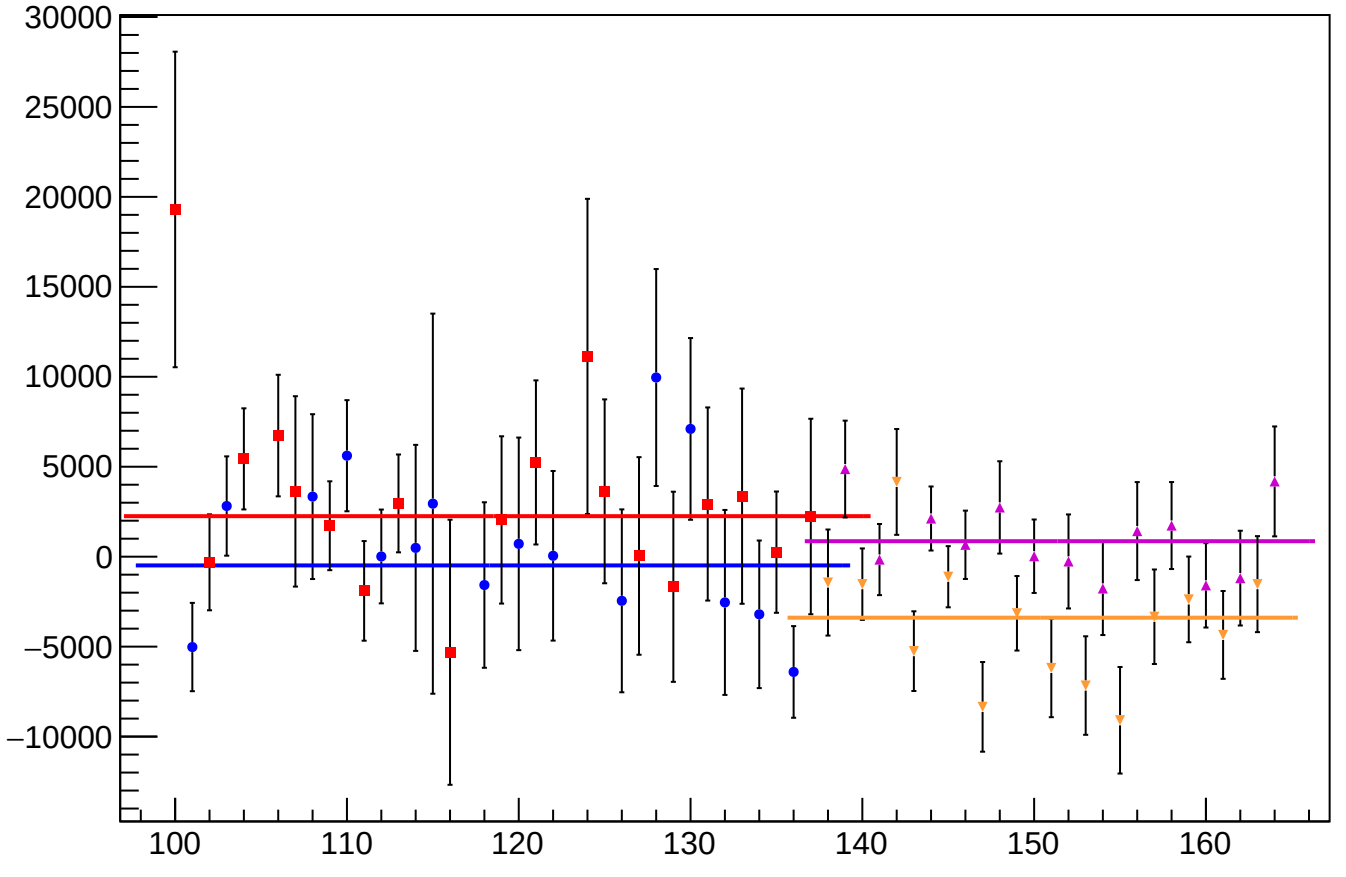
Left: 255.993+/-0.039 χ^2/NDF: 615274.9/26

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 249.097+/-0.042 χ^2/NDF:733378.8/28

Out: 246.652+/-0.041 χ^2/NDF:867761.1/32

All: 247.849+/-0.029 χ^2/NDF: 1602882.8/61



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3391.209+/-640.320 χ^2/NDF:21.8/13

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 860.989+/-643.654 χ^2/NDF:8.0/12

Left: -1276.152+/-453.949 χ^2/NDF: 51.8/26

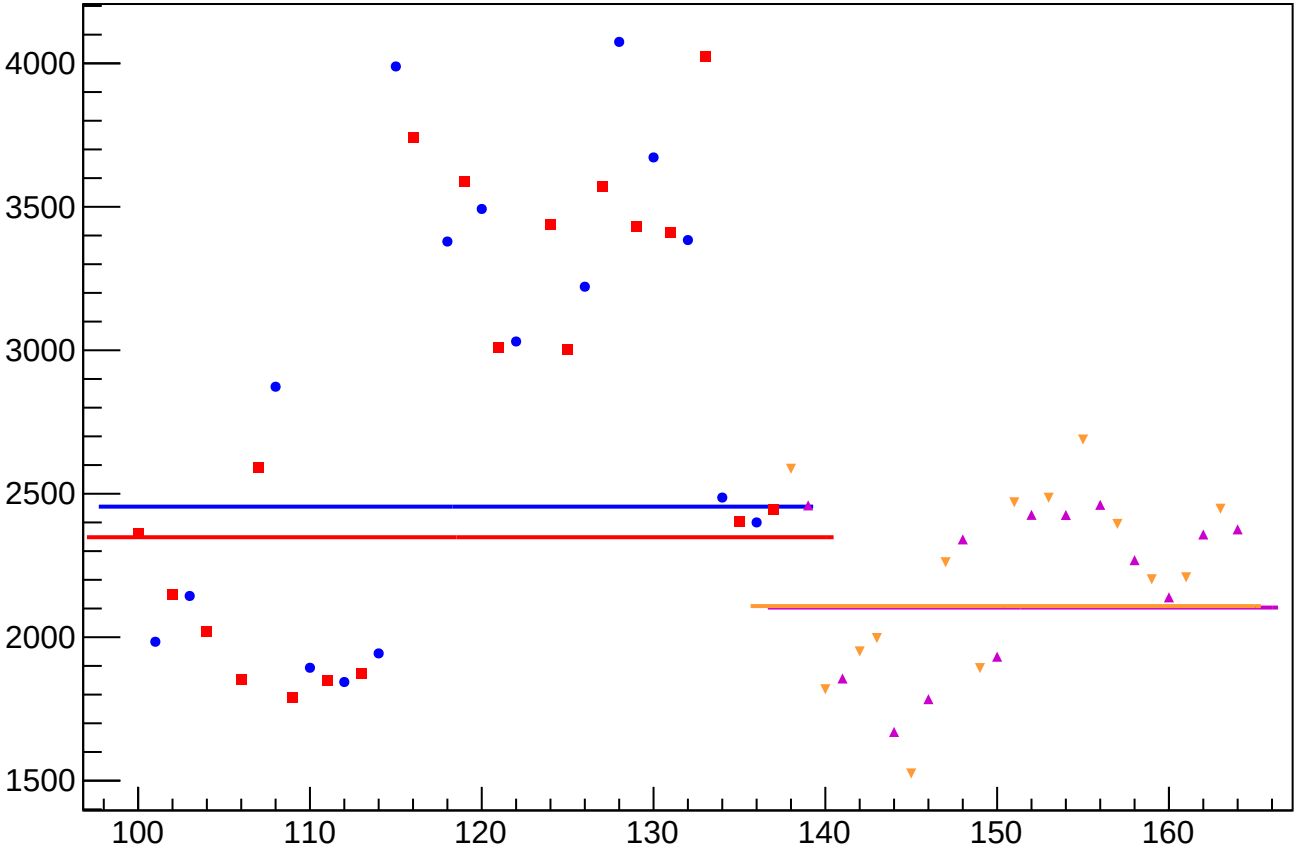
Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 435.661+/-532.416 χ^2/NDF:30.5/28

Out: -1478.328+/-520.602 χ^2/NDF:62.1/32

All: -542.805+/-372.228 χ^2/NDF: 99.2/61

asym_sam4_reg_correction_rms vs Slug, Sign Corrected



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2108.497+/-0.453 χ^2/NDF:583290.0/13

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2103.371+/-0.455 χ^2/NDF:413364.9/12

Left: 2105.947+/-0.321 χ^2/NDF: 996718.7/26

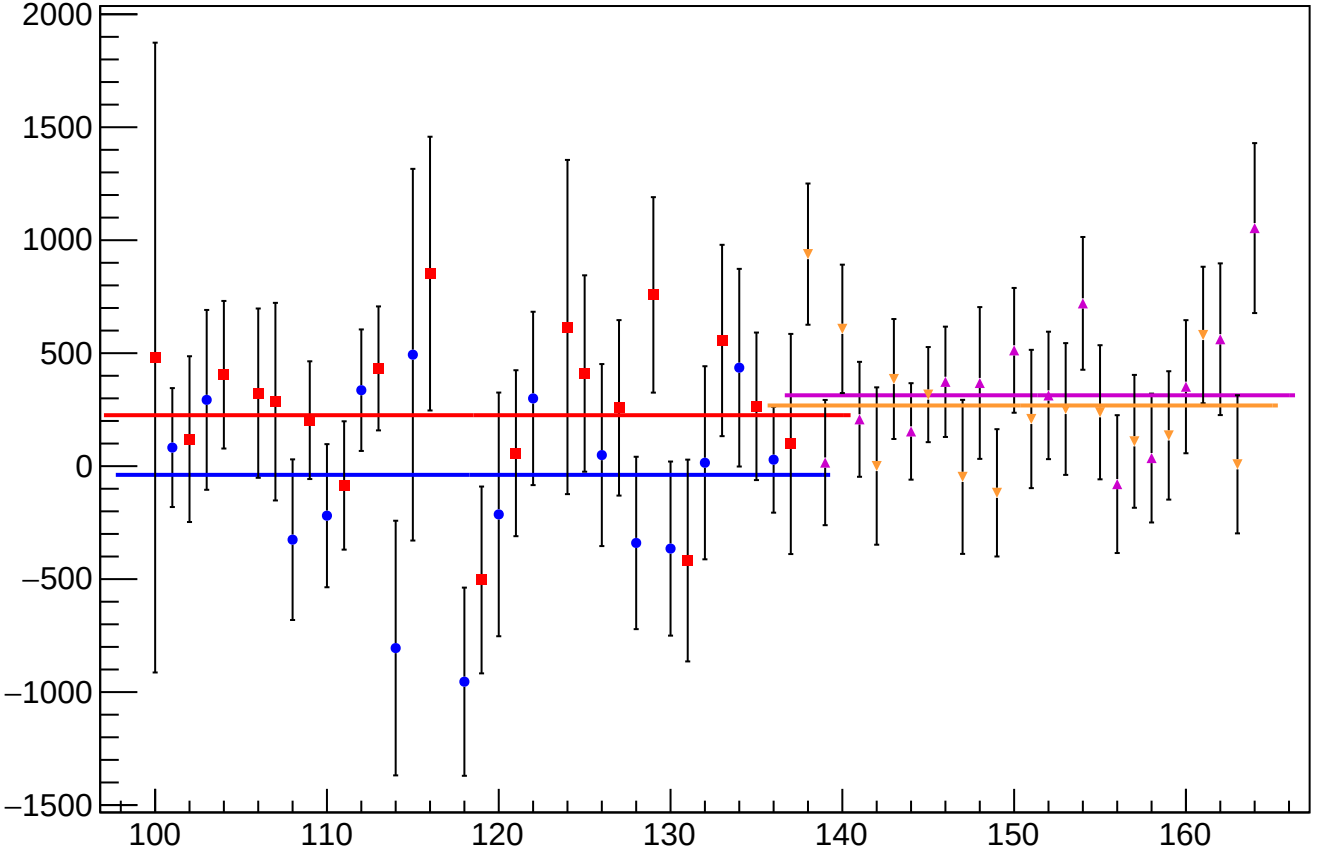
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2214.440+/-0.376 χ^2/NDF:1496349.4/28

Out: 2189.834+/-0.368 χ^2/NDF:1730913.3/32

All: 2201.861+/-0.263 χ^2/NDF: 3229446.6/61

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 268.527+/-77.095 χ^2/NDF:12.0/13

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 313.610+/-78.128 χ^2/NDF:11.5/12

Left: 290.768+/-54.876 χ^2/NDF: 23.6/26

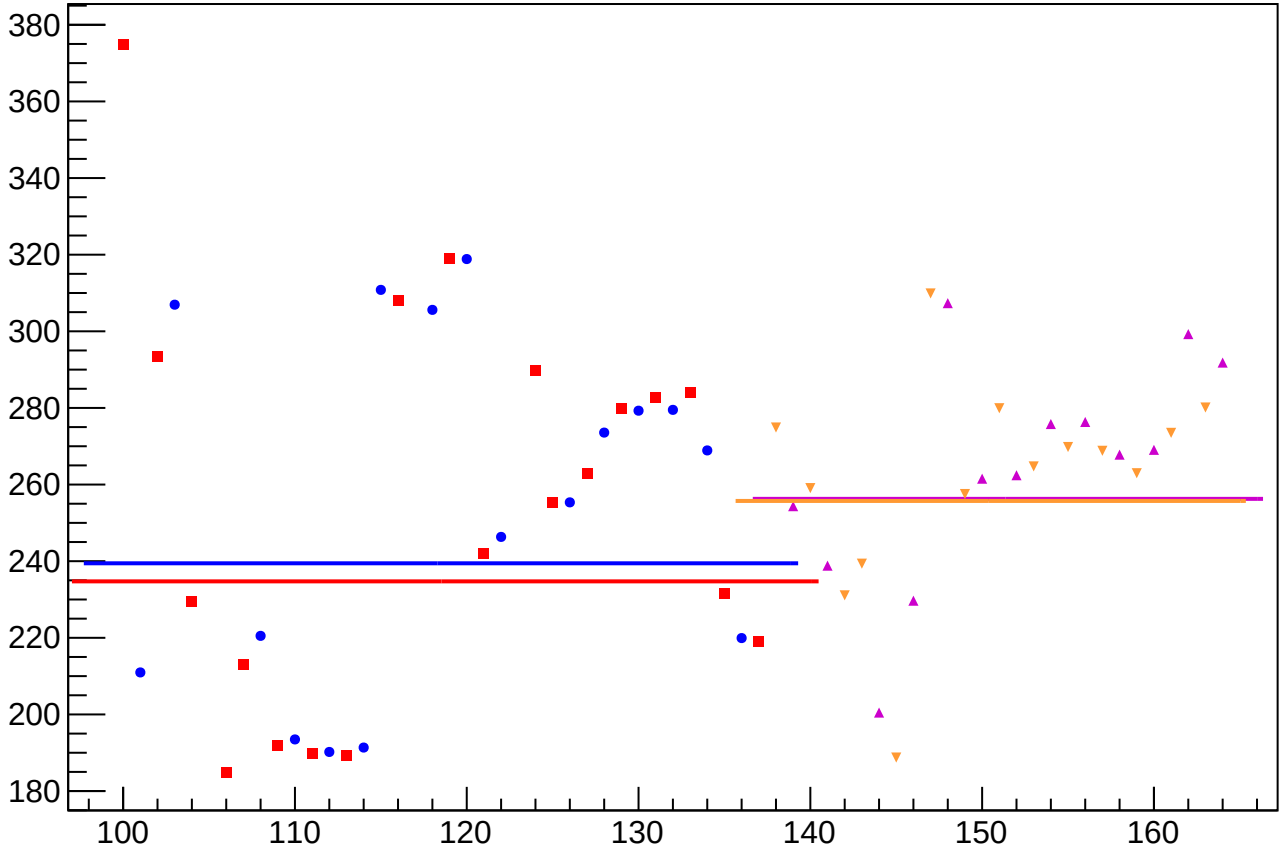
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 163.468+/-59.172 χ^2/NDF:34.6/28

Out: 249.831+/-57.966 χ^2/NDF:23.5/32

All: 207.538+/-41.408 χ^2/NDF: 59.2/61

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.725+/-0.055 χ^2/NDF:322324.5/13

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 256.268+/-0.055 χ^2/NDF:292901.4/12

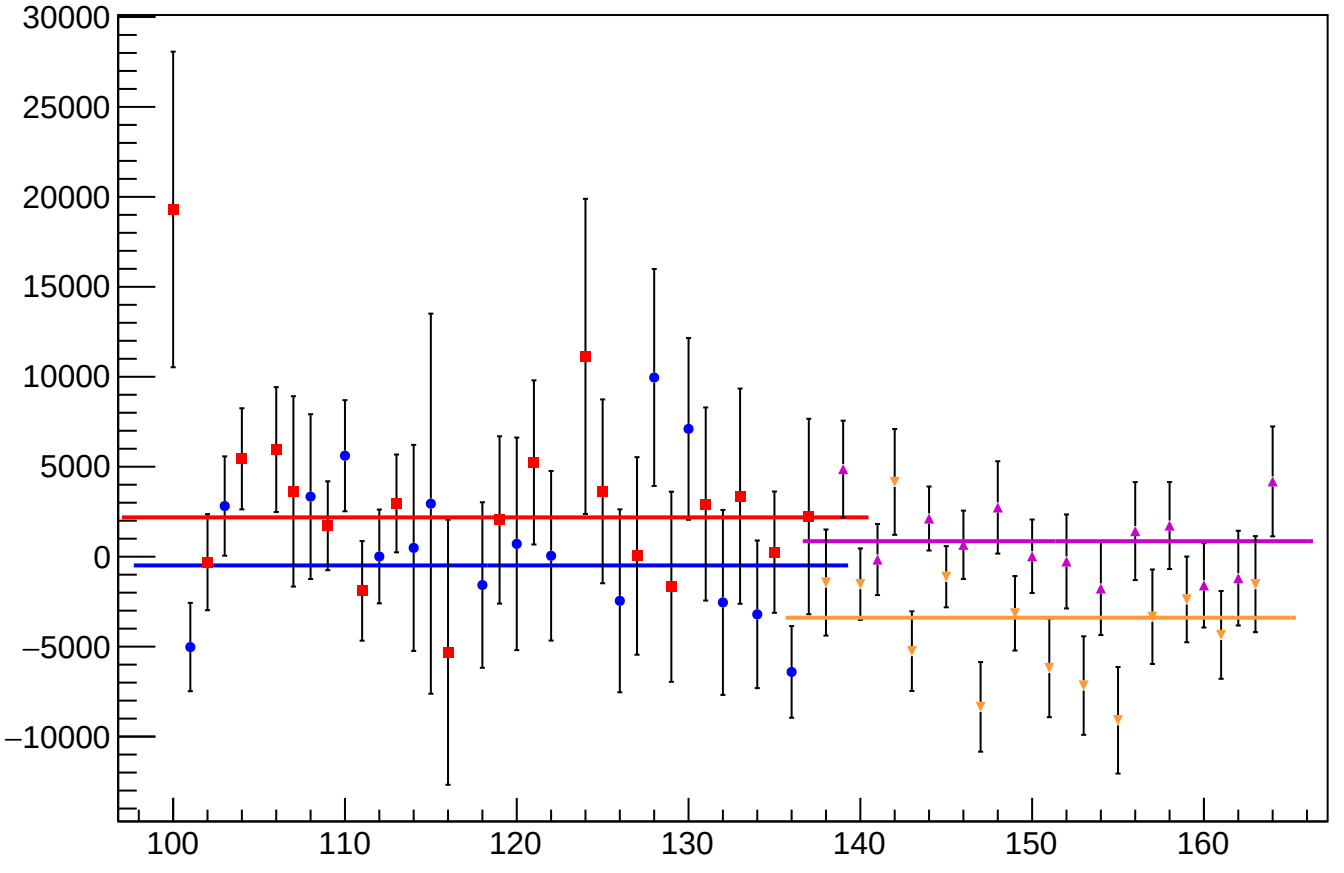
Left: 255.993+/-0.039 χ^2/NDF: 615274.9/26

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.097+/-0.042 χ^2/NDF:733381.0/28

Out: 246.600+/-0.041 χ^2/NDF:872018.3/32

All: 247.823+/-0.029 χ^2/NDF: 1607215.9/61



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3391.198+/-640.320 χ^2/NDF:21.8/13

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 861.003+/-643.654 χ^2/NDF:8.0/12

Left: -1276.141+/-453.949 χ^2/NDF: 51.8/26

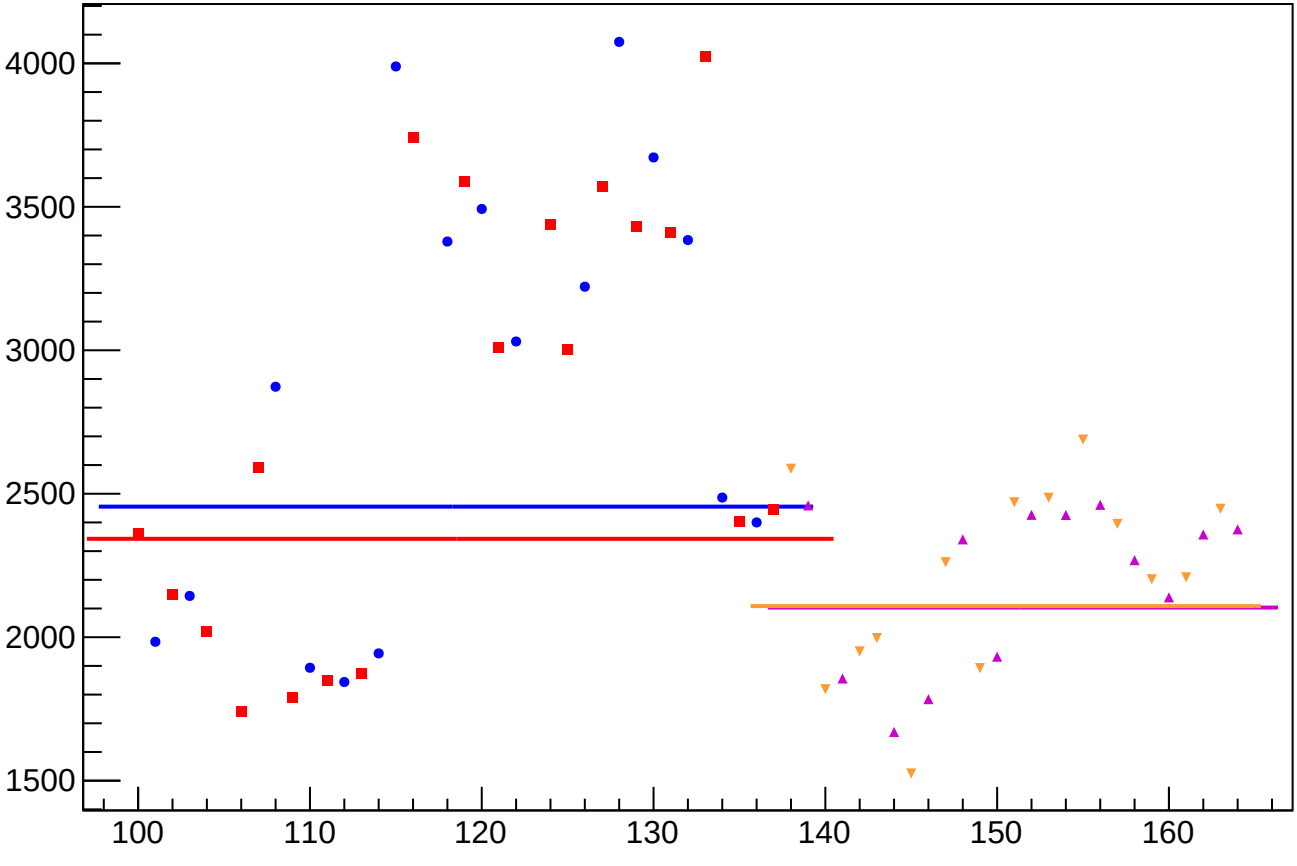
Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 435.622+/-532.418 χ^2/NDF:30.5/28

Out: -1505.774+/-520.935 χ^2/NDF:60.7/32

All: -556.238+/-372.350 χ^2/NDF: 98.0/61

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2108.496+/-0.453 χ^2/NDF:583291.9/13

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2103.372+/-0.455 χ^2/NDF:413362.9/12

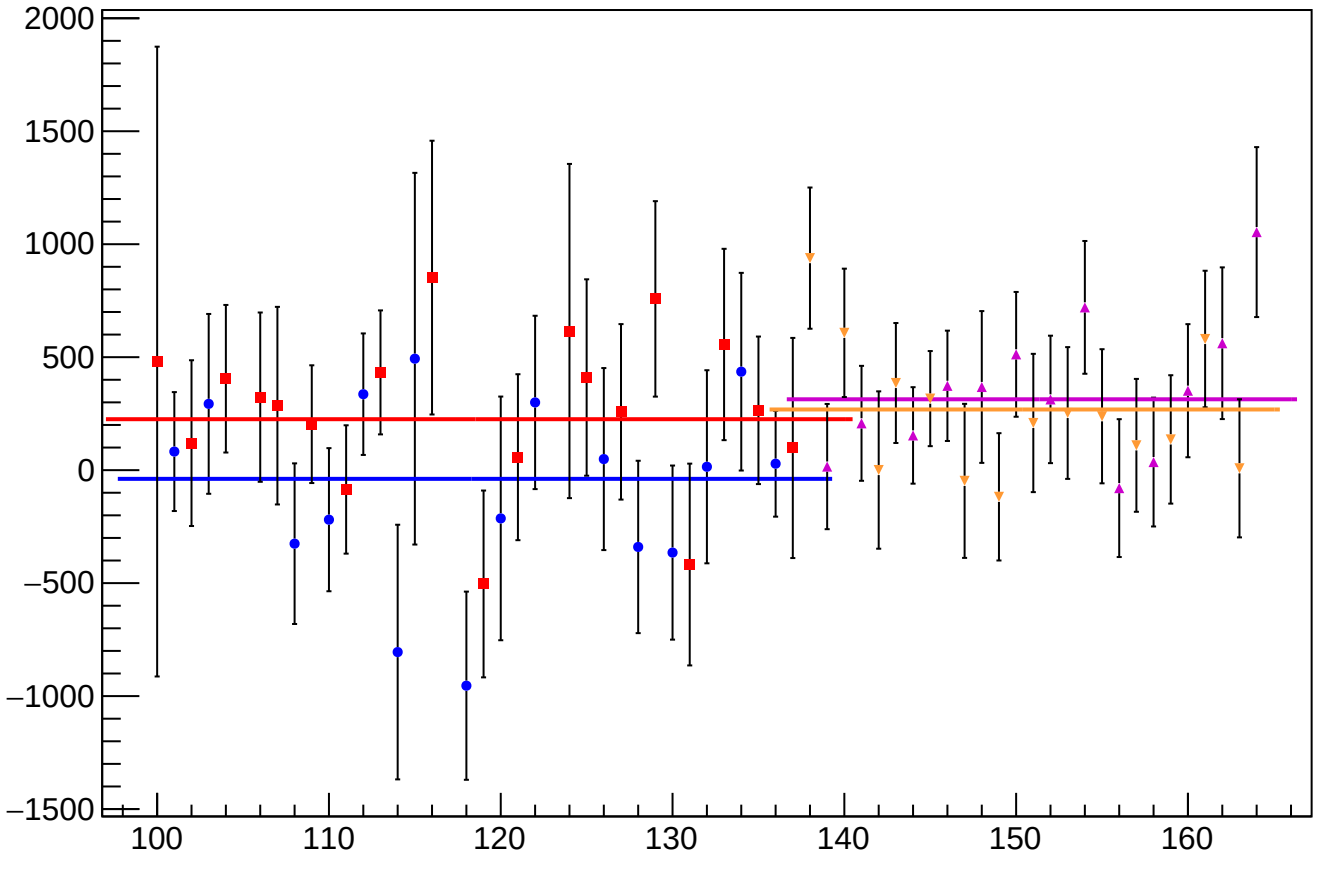
Left: 2105.947+/-0.321 χ^2/NDF: 996718.5/26

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2214.447+/-0.376 χ^2/NDF:1496339.3/28

Out: 2187.774+/-0.368 χ^2/NDF:1744347.6/32

All: 2200.820+/-0.263 χ^2/NDF: 3243251.4/61



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 268.527+/-77.095 χ^2/NDF:12.0/13

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 313.610+/-78.128 χ^2/NDF:11.5/12

Left: 290.768+/-54.876 χ^2/NDF: 23.6/26

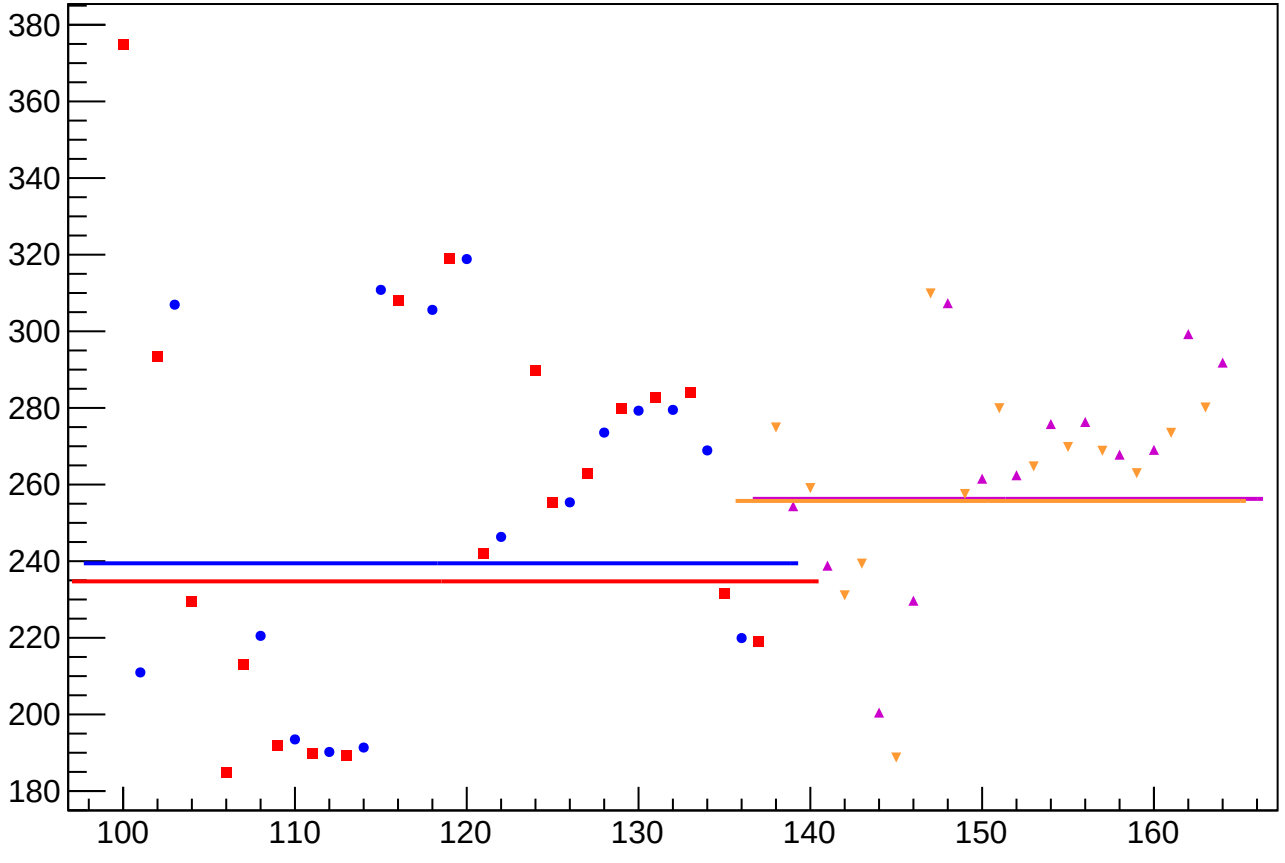
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 163.468+/-59.172 χ^2/NDF:34.6/28

Out: 249.831+/-57.966 χ^2/NDF:23.5/32

All: 207.538+/-41.408 χ^2/NDF: 59.2/61

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.725+/-0.055 χ^2/NDF:322324.5/13

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 256.268+/-0.055 χ^2/NDF:292901.4/12

Left: 255.993+/-0.039 χ^2/NDF: 615274.9/26

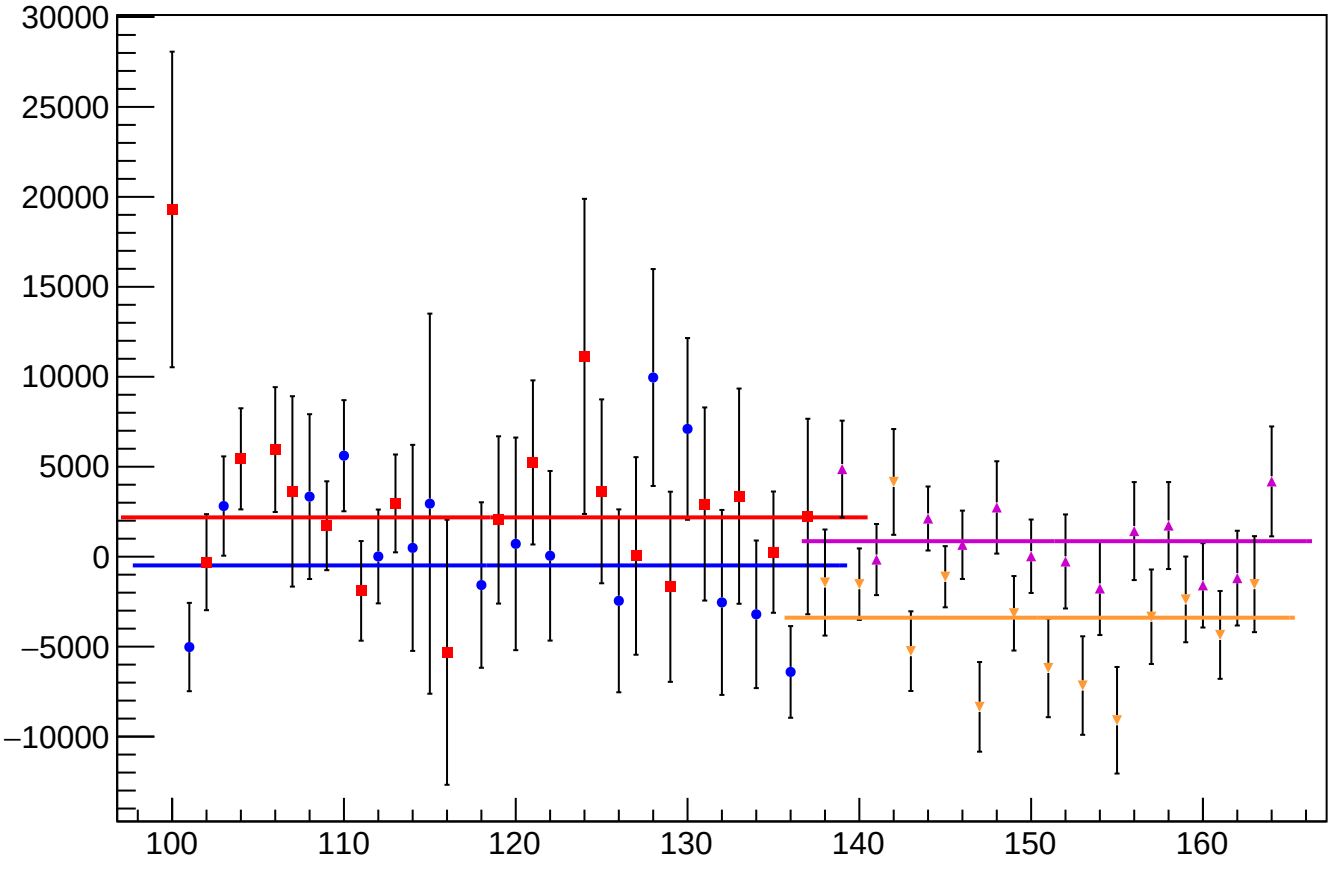
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.097+/-0.042 χ^2/NDF:733381.0/28

Out: 246.600+/-0.041 χ^2/NDF:872018.3/32

All: 247.823+/-0.029 χ^2/NDF: 1607215.9/61

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3391.198+/-640.320 χ^2/NDF:21.8/13

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 861.003+/-643.654 χ^2/NDF:8.0/12

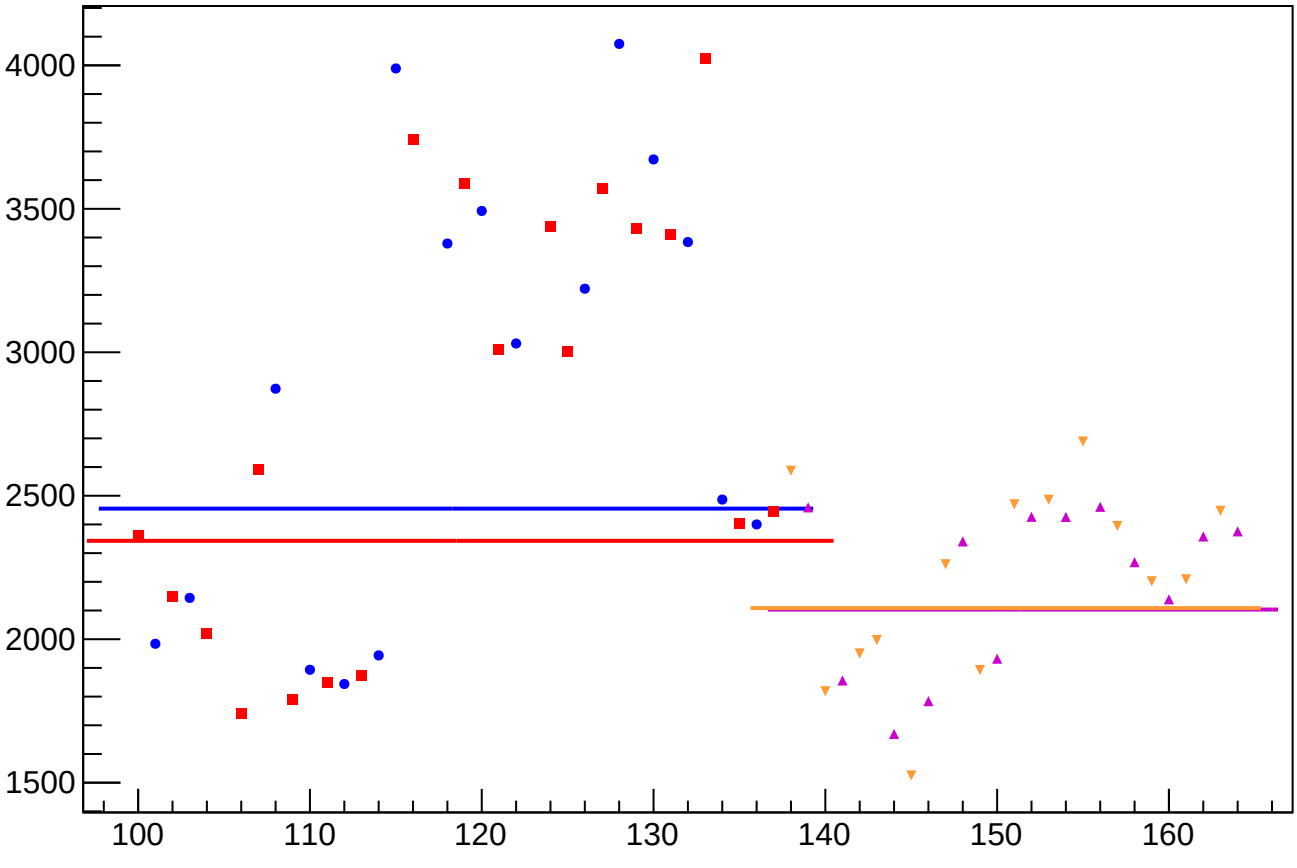
Left: -1276.141+/-453.949 χ^2/NDF: 51.8/26

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 435.622+/-532.418 χ^2/NDF:30.5/28

Out: -1505.774+/-520.935 χ^2/NDF:60.7/32

All: -556.238+/-372.350 χ^2/NDF: 98.0/61



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2108.496+/-0.453 χ^2/NDF:583291.9/13

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2103.372+/-0.455 χ^2/NDF:413362.9/12

Left: 2105.947+/-0.321 χ^2/NDF: 996718.5/26

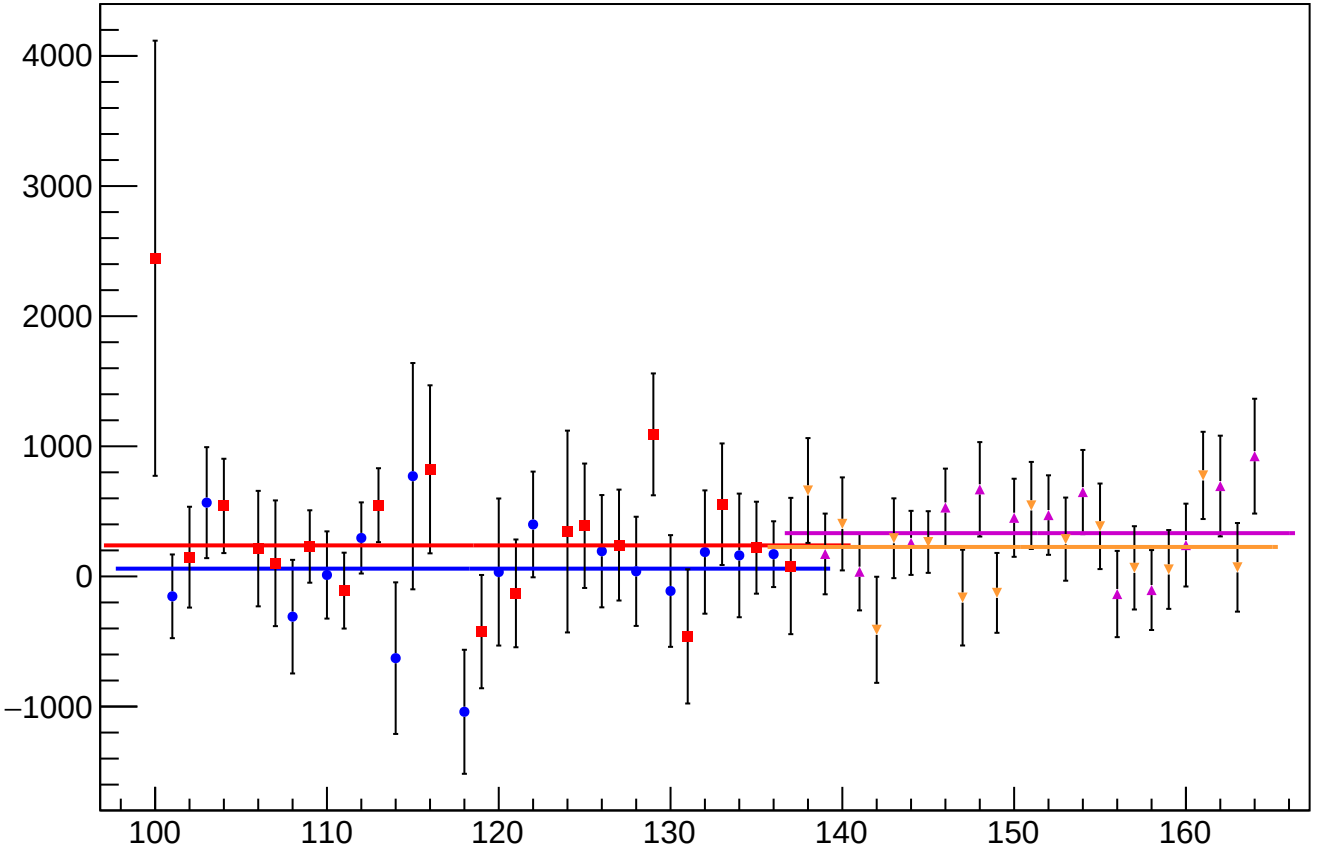
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2214.447+/-0.376 χ^2/NDF:1496339.3/28

Out: 2187.774+/-0.368 χ^2/NDF:1744347.6/32

All: 2200.820+/-0.263 χ^2/NDF: 3243251.4/61

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 226.467+/-86.834 χ^2/NDF:11.0/13

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 332.540+/-87.779 χ^2/NDF:10.7/12

Left: 278.930+/-61.732 χ^2/NDF: 22.5/26

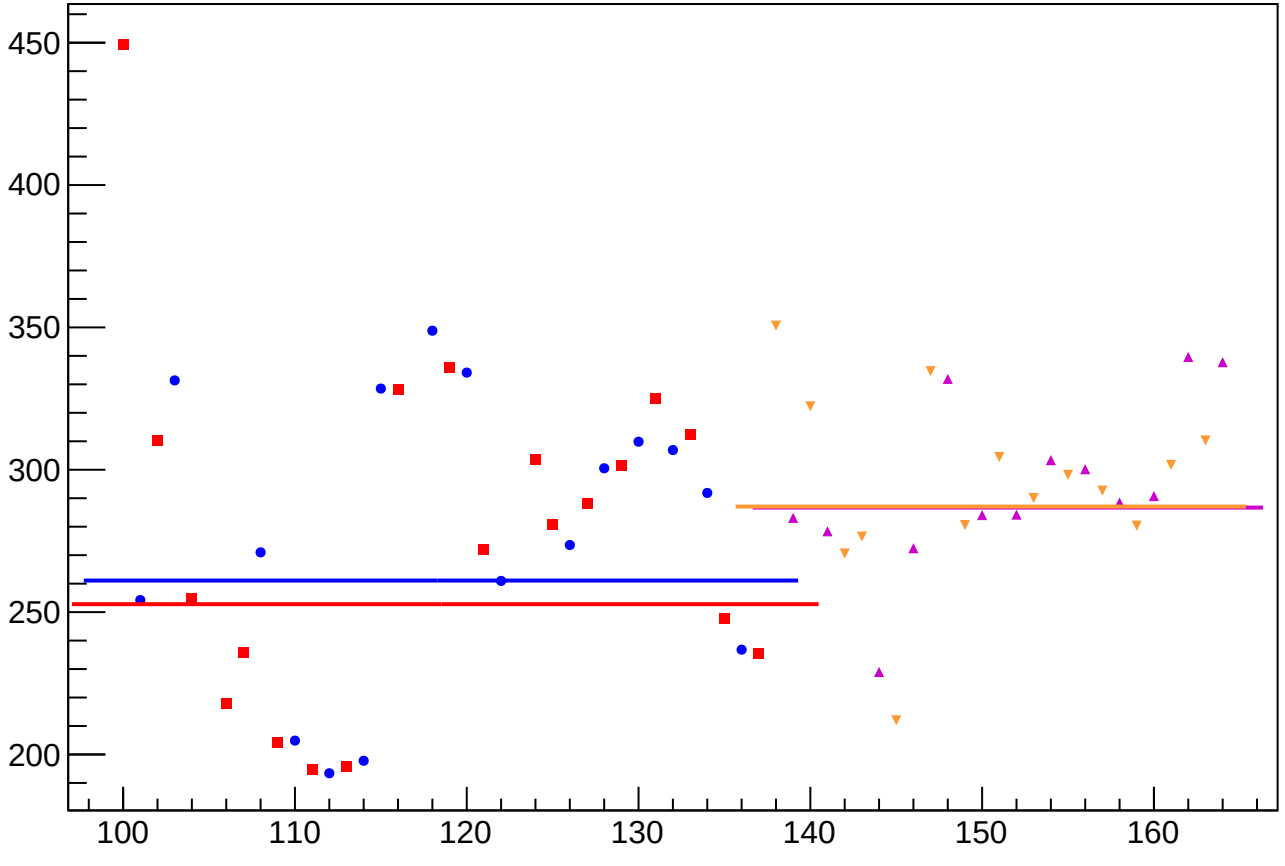
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 212.777+/-65.746 χ^2/NDF:27.0/28

Out: 231.947+/-64.113 χ^2/NDF:26.0/32

All: 222.603+/-45.901 χ^2/NDF: 53.0/61

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 287.073+/-0.061 χ^2/NDF:332363.3/13

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 286.716+/-0.062 χ^2/NDF:220969.4/12

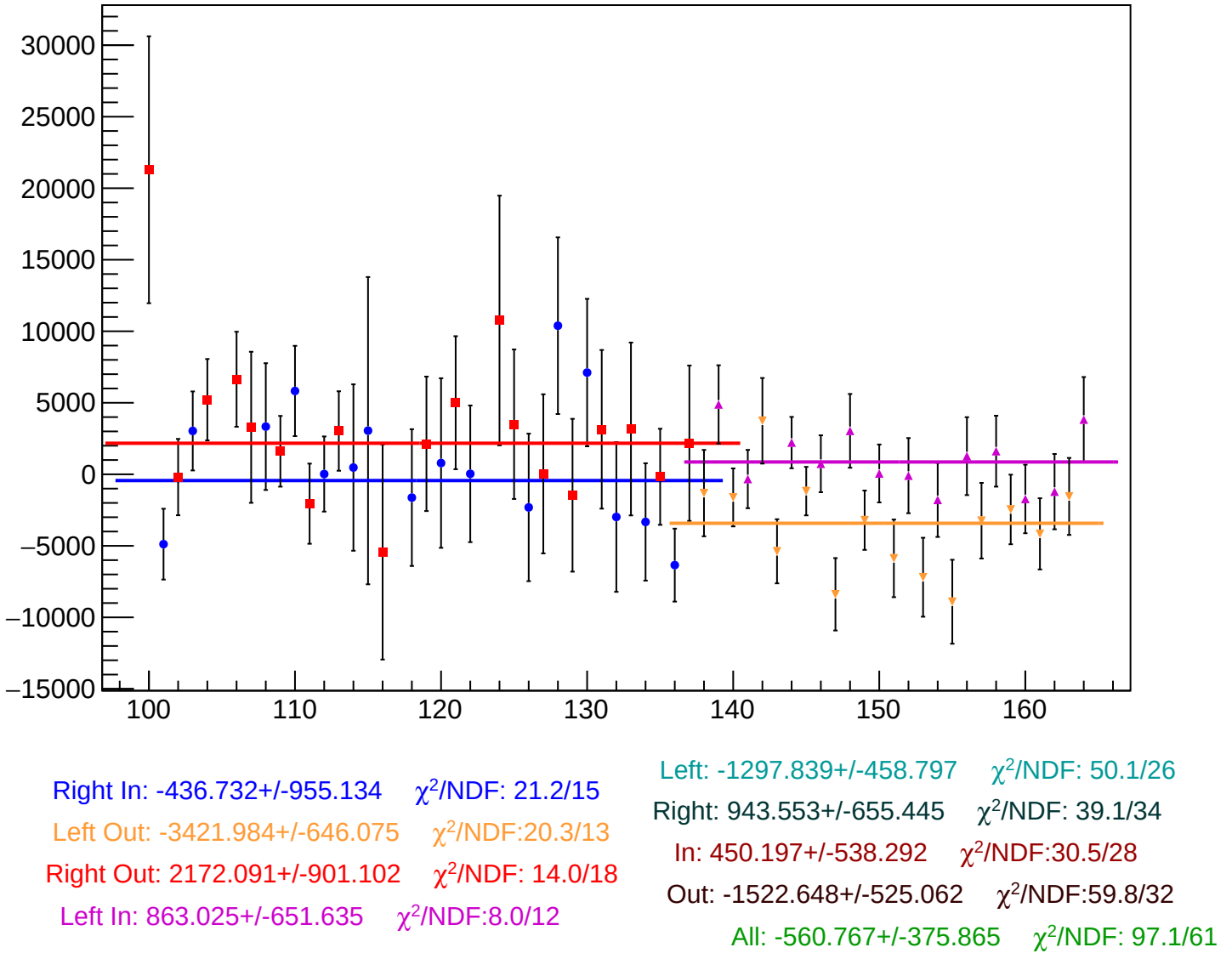
Left: 286.896+/-0.044 χ^2/NDF: 553349.6/26

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

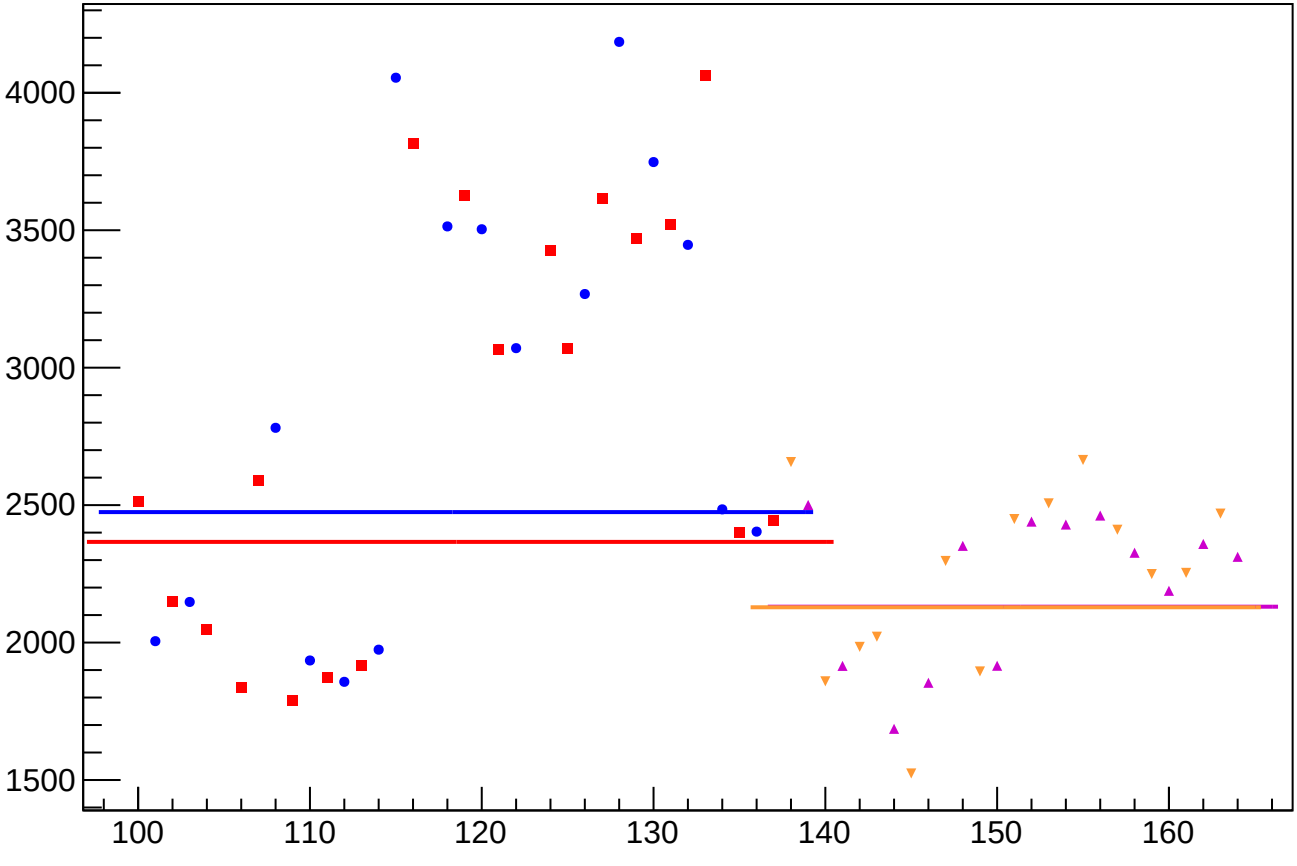
In: 275.466+/-0.046 χ^2/NDF:758465.5/28

Out: 271.478+/-0.045 χ^2/NDF:1011480.9/32

All: 273.422+/-0.032 χ^2/NDF: 1773717.7/61


asym_sam4_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -436.732+/-955.134 χ²/NDF: 21.2/15
Left Out: -3421.984+/-646.075 χ²/NDF:20.3/13
Right Out: 2172.091+/-901.102 χ²/NDF: 14.0/18
Left In: 863.025+/-651.635 χ²/NDF:8.0/12
Left: -1297.839+/-458.797 χ²/NDF: 50.1/26
Right: 943.553+/-655.445 χ²/NDF: 39.1/34
In: 450.197+/-538.292 χ²/NDF:30.5/28
Out: -1522.648+/-525.062 χ²/NDF:59.8/32
All: -560.767+/-375.865 χ²/NDF: 97.1/61

asym_sam4_dit_correction_rms vs Slug, Sign Corrected



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2128.370+/-0.457 χ^2/NDF:591414.6/13

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2130.480+/-0.461 χ^2/NDF:377701.3/12

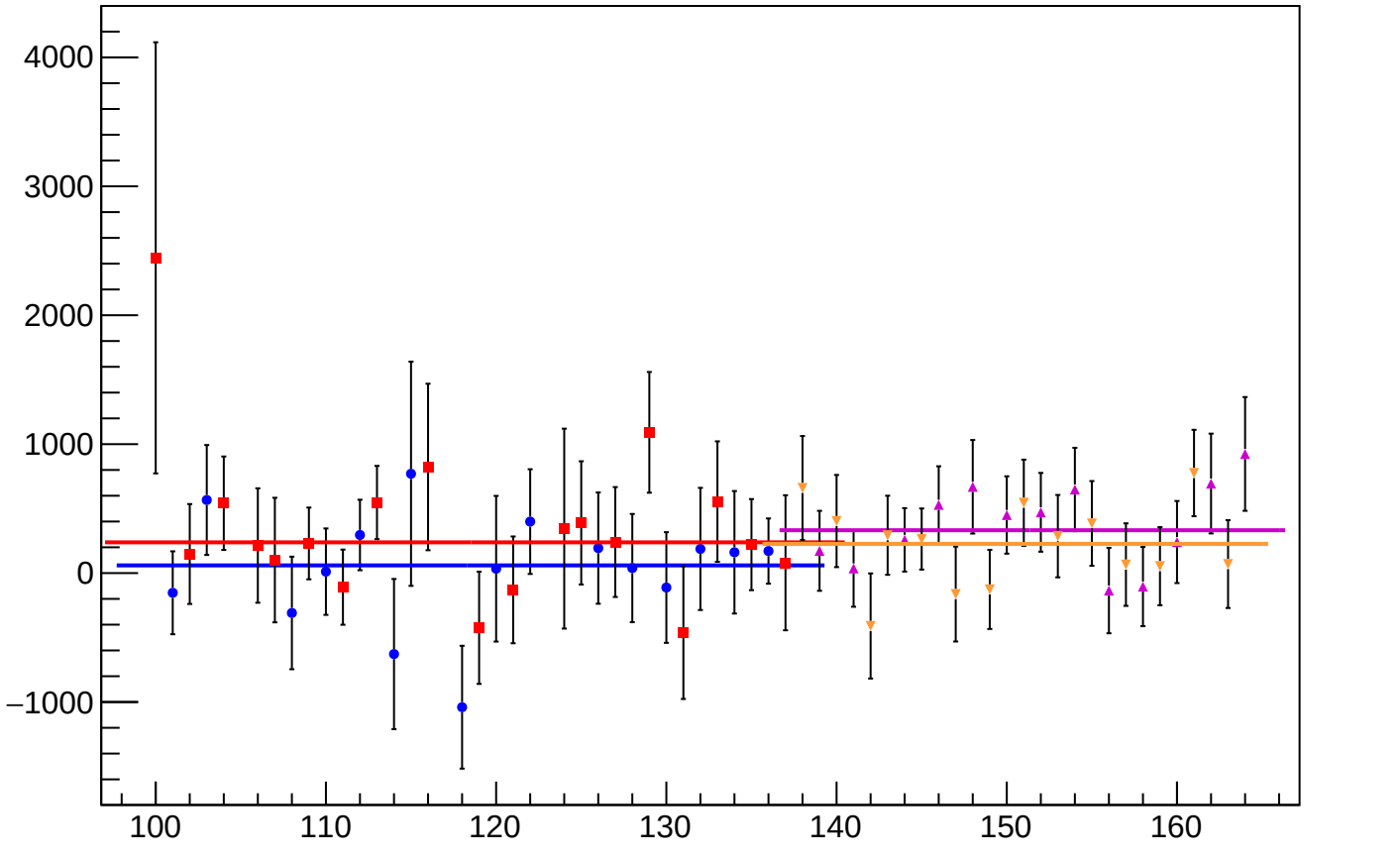
Left: 2129.416+/-0.324 χ^2/NDF: 969126.5/26

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2239.786+/-0.381 χ^2/NDF:1471127.5/28

Out: 2209.126+/-0.371 χ^2/NDF:1760624.3/32

All: 2224.075+/-0.266 χ^2/NDF: 3235076.6/61



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 226.471+/-86.834 χ^2/NDF:11.0/13

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 332.541+/-87.779 χ^2/NDF:10.7/12

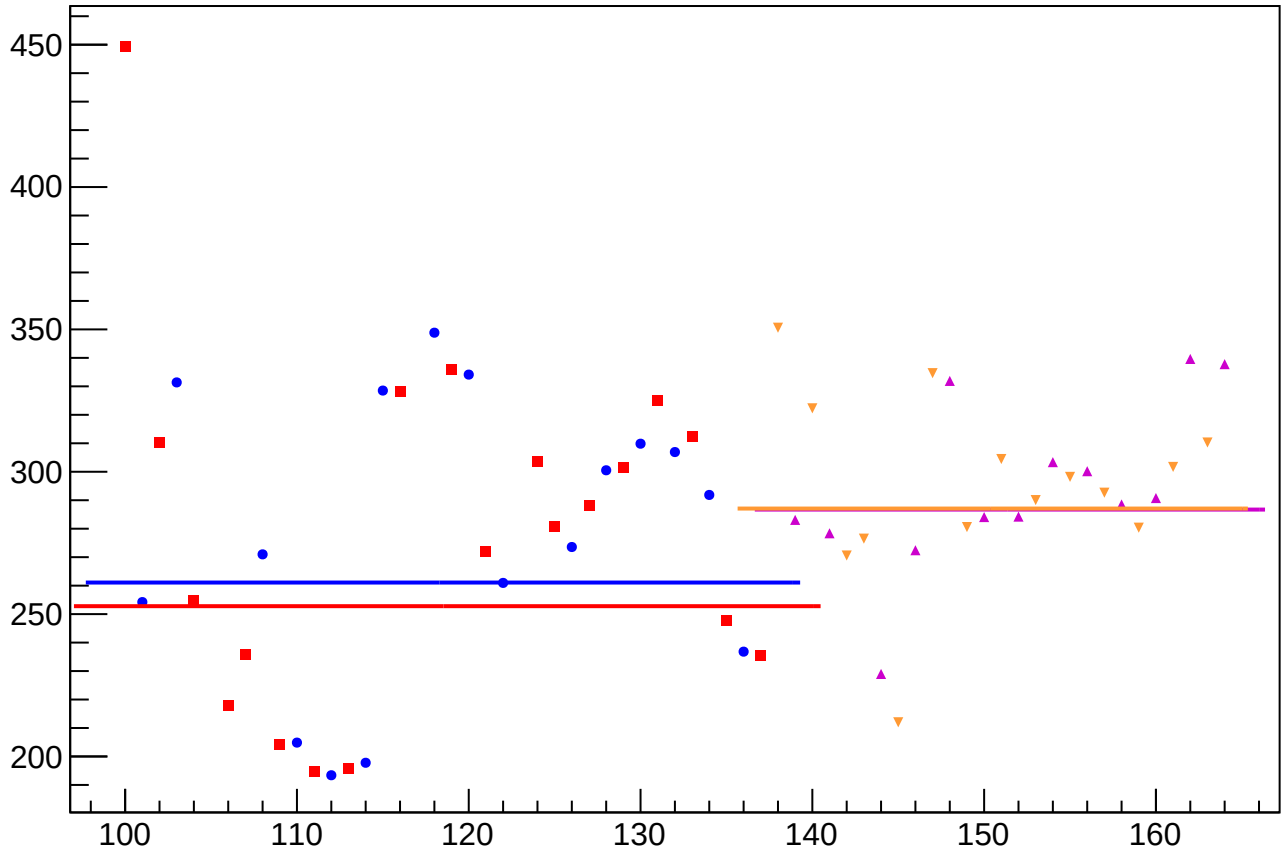
Left: 278.932+/-61.732 χ^2/NDF: 22.5/26

Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 212.779+/-65.746 χ^2/NDF:27.0/28

Out: 231.949+/-64.113 χ^2/NDF:26.0/32

All: 222.605+/-45.901 χ^2/NDF: 53.0/61



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 287.074+/-0.061 χ^2/NDF:332358.4/13

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 286.716+/-0.062 χ^2/NDF:220967.6/12

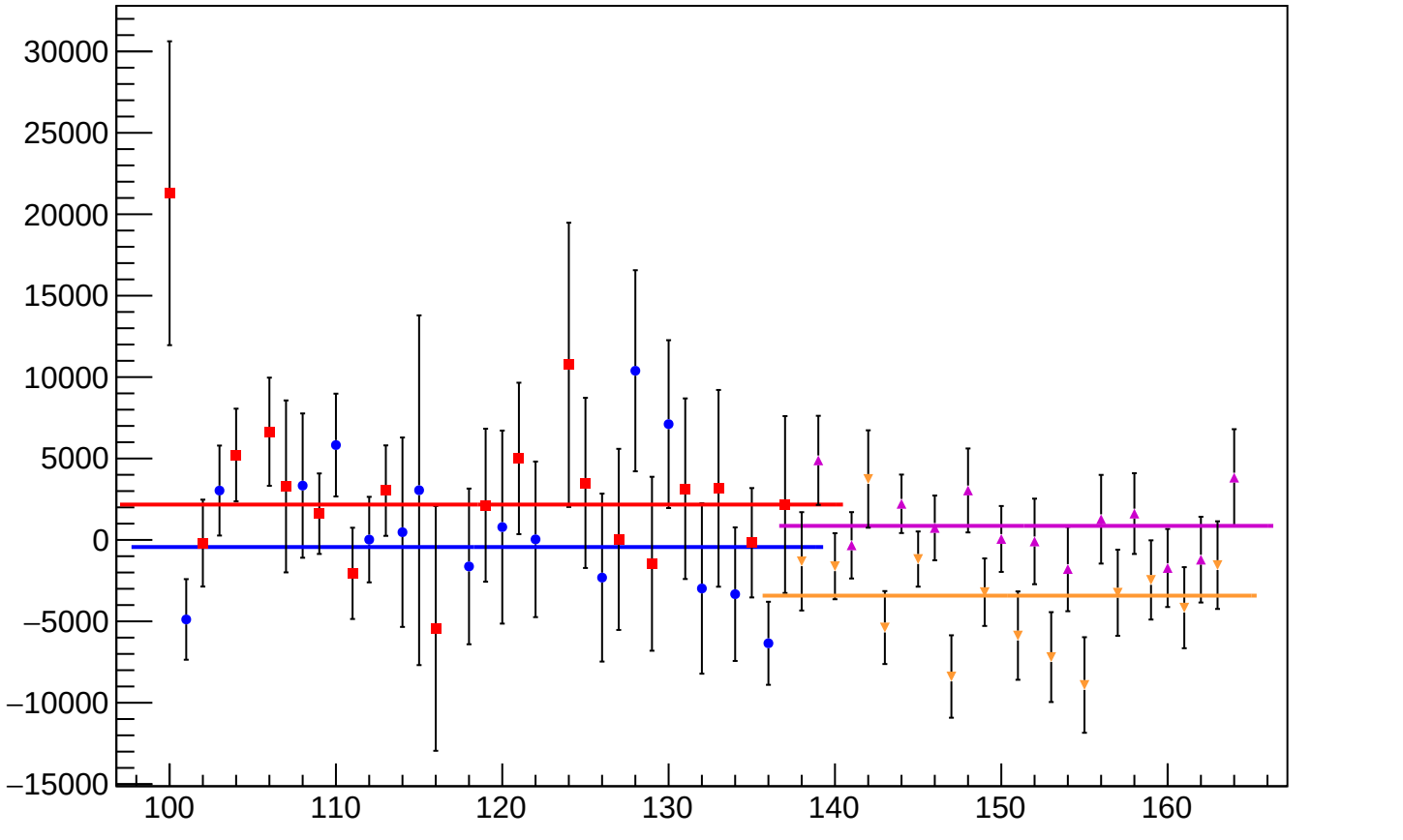
Left: 286.897+/-0.044 χ^2/NDF: 553342.8/26

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 275.466+/-0.046 χ^2/NDF:758468.9/28

Out: 271.478+/-0.045 χ^2/NDF:1011483.2/32

All: 273.422+/-0.032 χ^2/NDF: 1773723.5/61



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3421.977+/-646.074 χ^2/NDF:20.3/13

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 863.023+/-651.635 χ^2/NDF:8.0/12

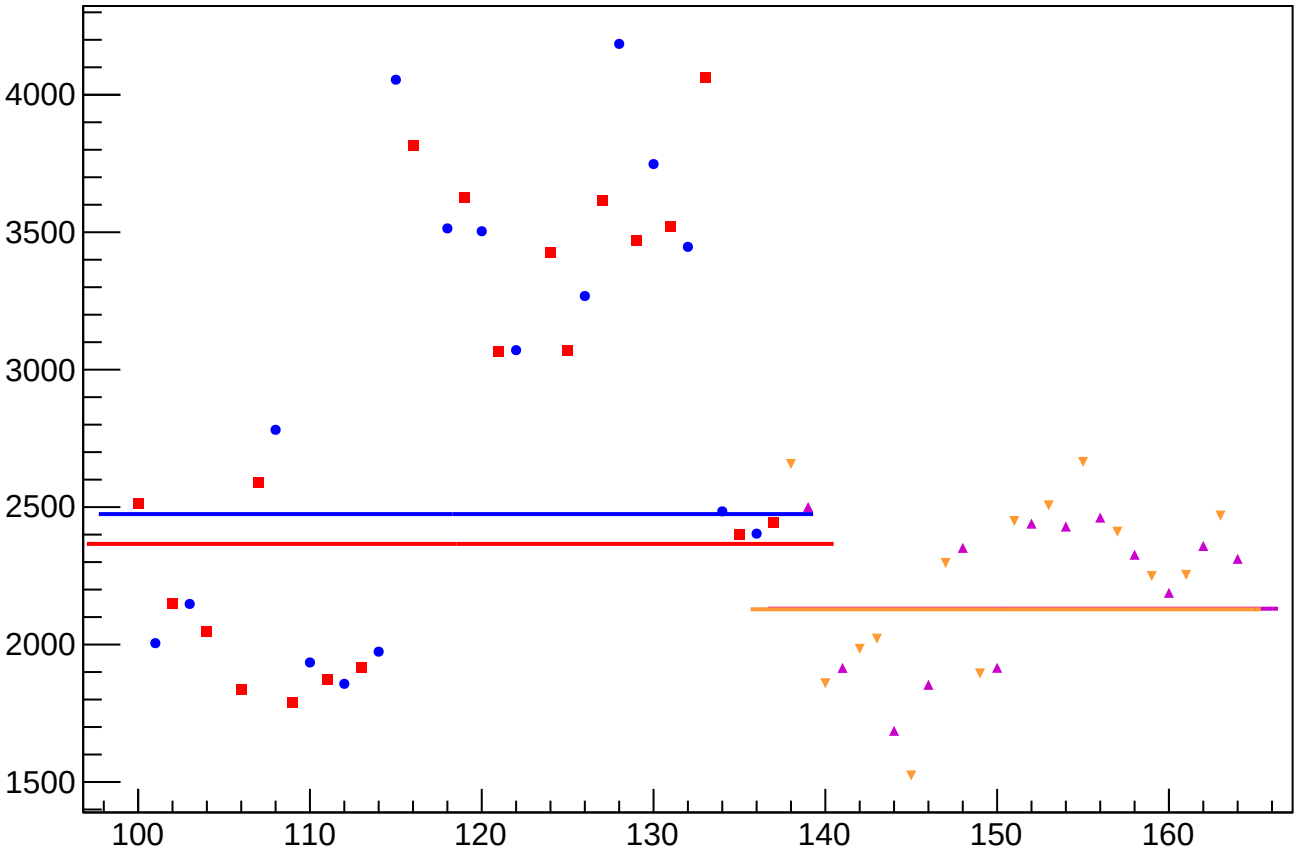
Left: -1297.837+/-458.797 χ^2/NDF: 50.1/26

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 450.196+/-538.292 χ^2/NDF:30.5/28

Out: -1522.645+/-525.062 χ^2/NDF:59.8/32

All: -560.766+/-375.865 χ^2/NDF: 97.1/61



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2128.367+/-0.457 χ^2/NDF:591417.6/13

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2130.479+/-0.461 χ^2/NDF:377699.5/12

Left: 2129.414+/-0.324 χ^2/NDF: 969127.7/26

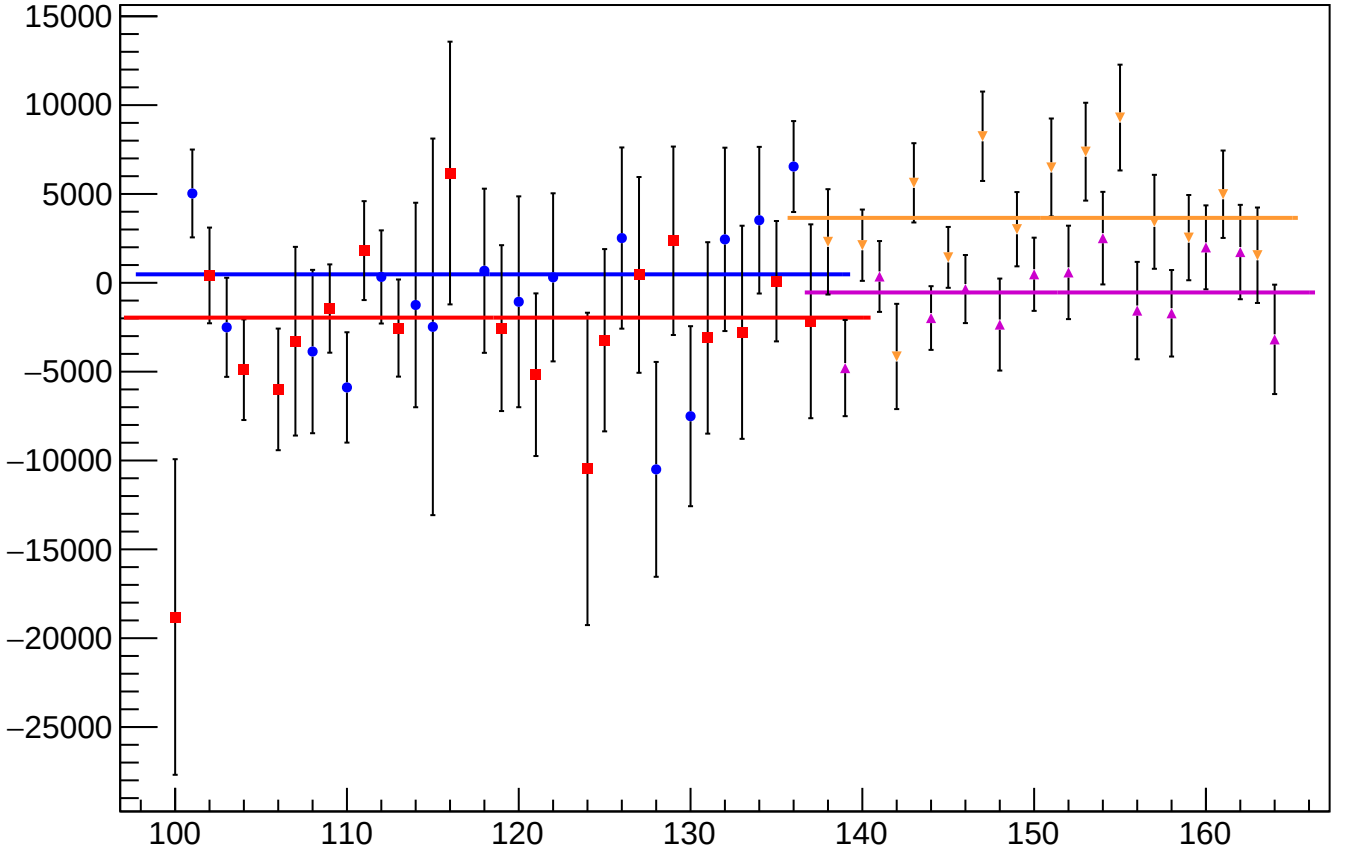
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2239.785+/-0.381 χ^2/NDF:1471128.8/28

Out: 2209.124+/-0.371 χ^2/NDF:1760630.4/32

All: 2224.073+/-0.266 χ^2/NDF: 3235084.2/61

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3653.703+/-645.215 χ^2/NDF:21.2/13

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -543.231+/-648.583 χ^2/NDF:8.6/12

Left: 1566.162+/-457.422 χ^2/NDF: 50.9/26

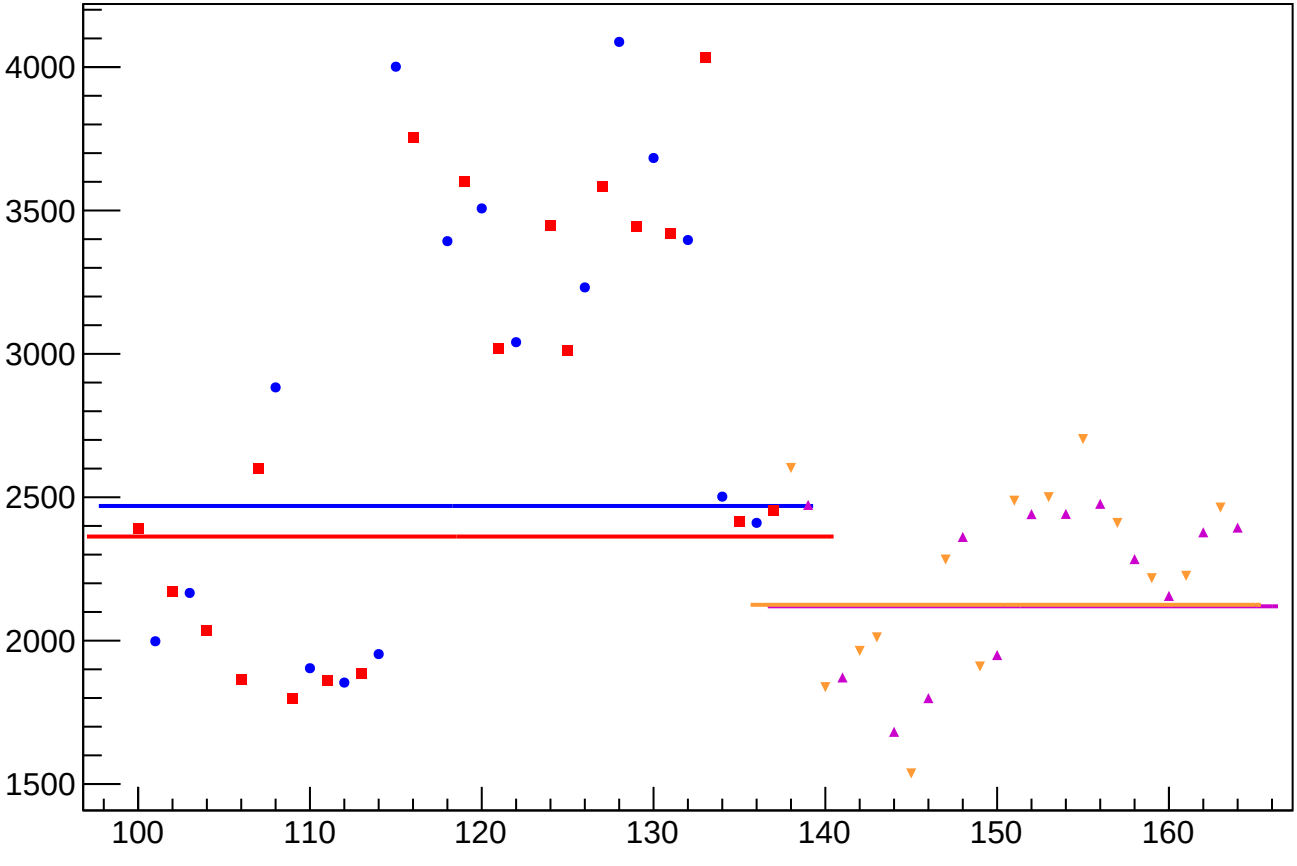
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -220.067+/-536.144 χ^2/NDF:31.5/28

Out: 1747.315+/-524.323 χ^2/NDF:59.8/32

All: 785.551+/-374.862 χ^2/NDF: 98.2/61

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2125.021+/-0.456 χ^2/NDF:577375.5/13

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2119.731+/-0.459 χ^2/NDF:410225.8/12

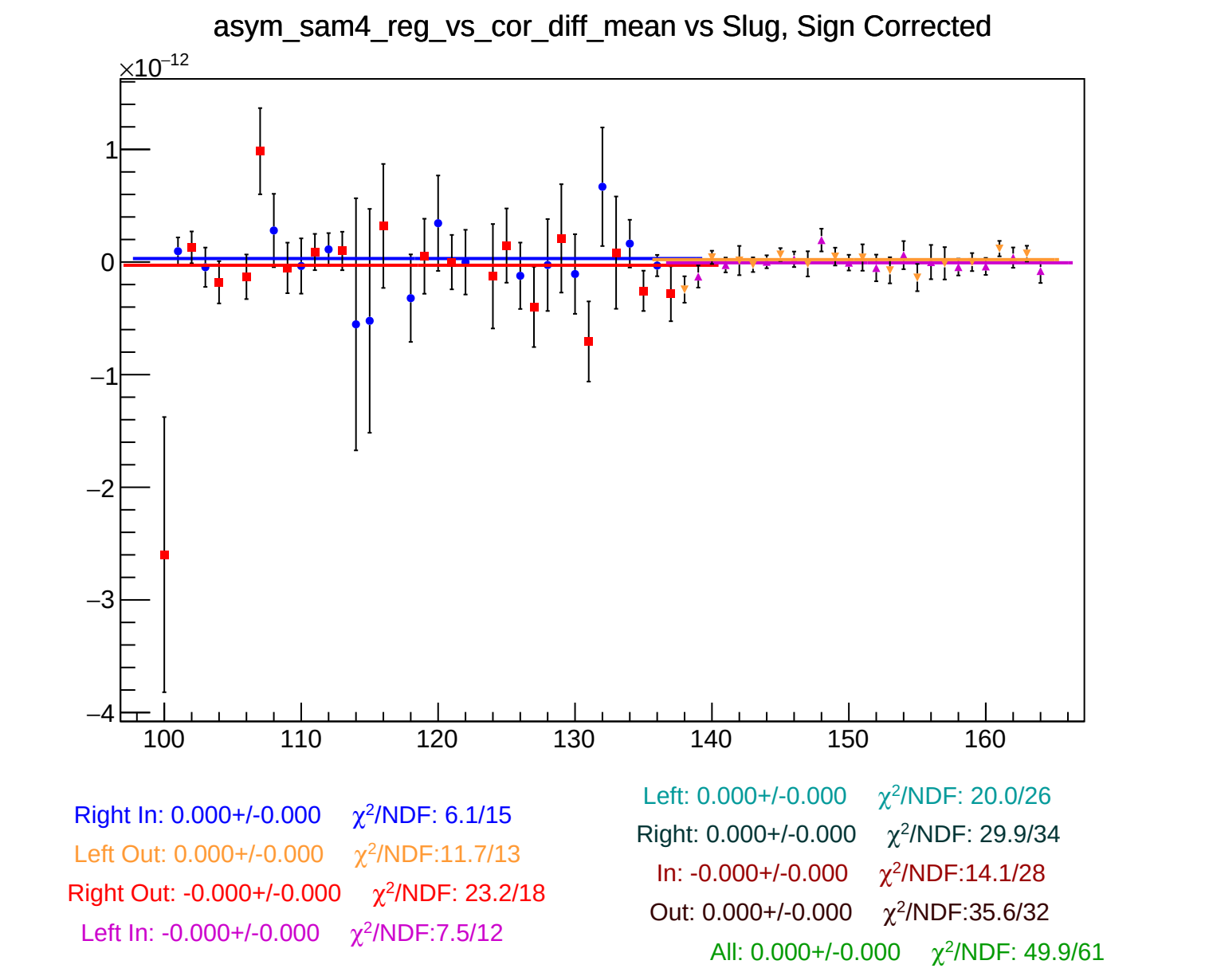
Left: 2122.390+/-0.323 χ^2/NDF: 987668.1/26

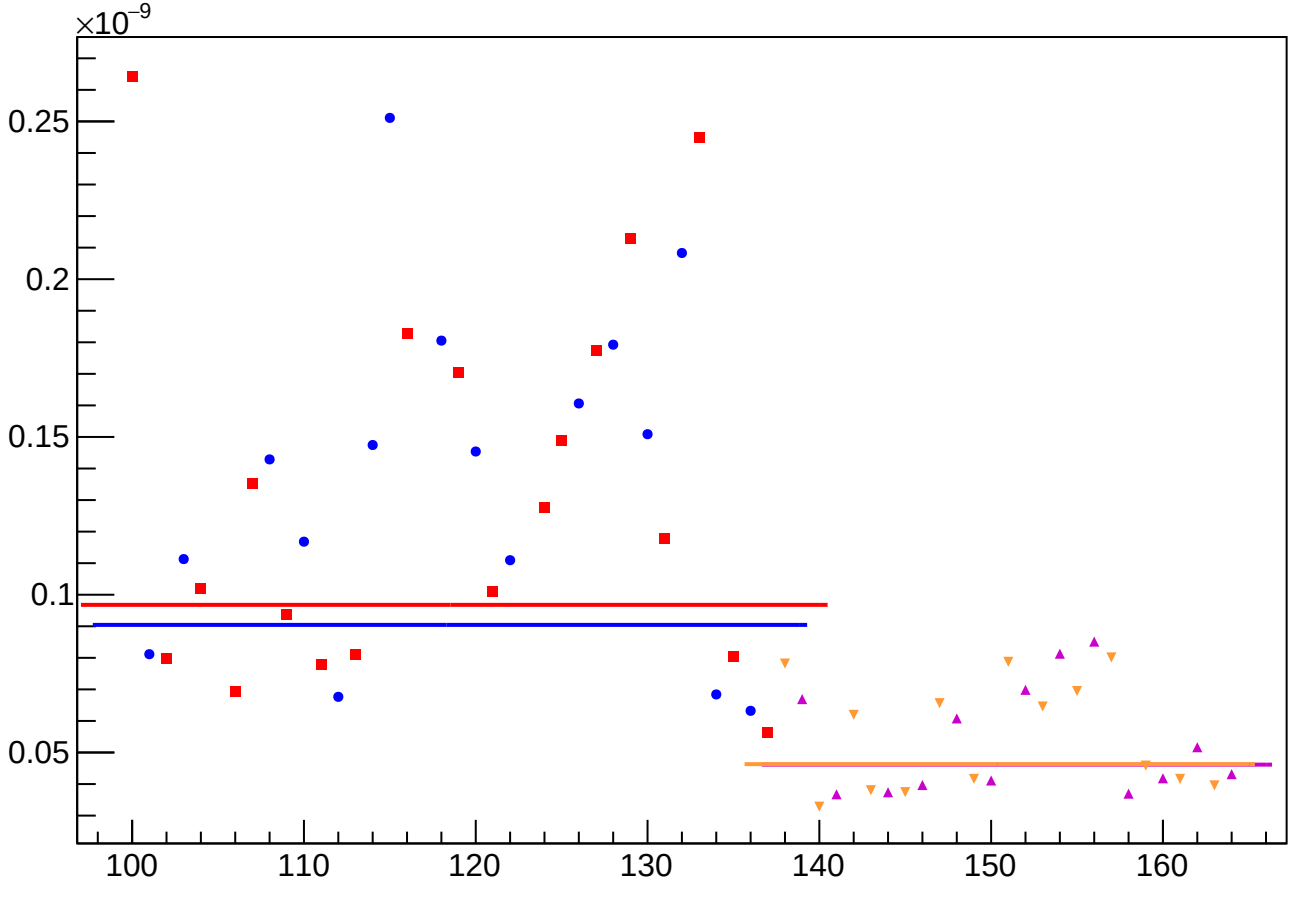
Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2230.535+/-0.379 χ^2/NDF:1480740.7/28

Out: 2205.863+/-0.371 χ^2/NDF:1713166.2/32

All: 2217.924+/-0.265 χ^2/NDF: 3196071.9/61


asym_sam4_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: 0.000+/-0.000 χ²/NDF:11.7/13
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: -0.000+/-0.000 χ²/NDF:7.5/12
Left: 0.000+/-0.000 χ²/NDF: 20.0/26
Right: 0.000+/-0.000 χ²/NDF: 29.9/34
In: -0.000+/-0.000 χ²/NDF:14.1/28
Out: 0.000+/-0.000 χ²/NDF:35.6/32
All: 0.000+/-0.000 χ²/NDF: 49.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:843418.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:663572.7/12

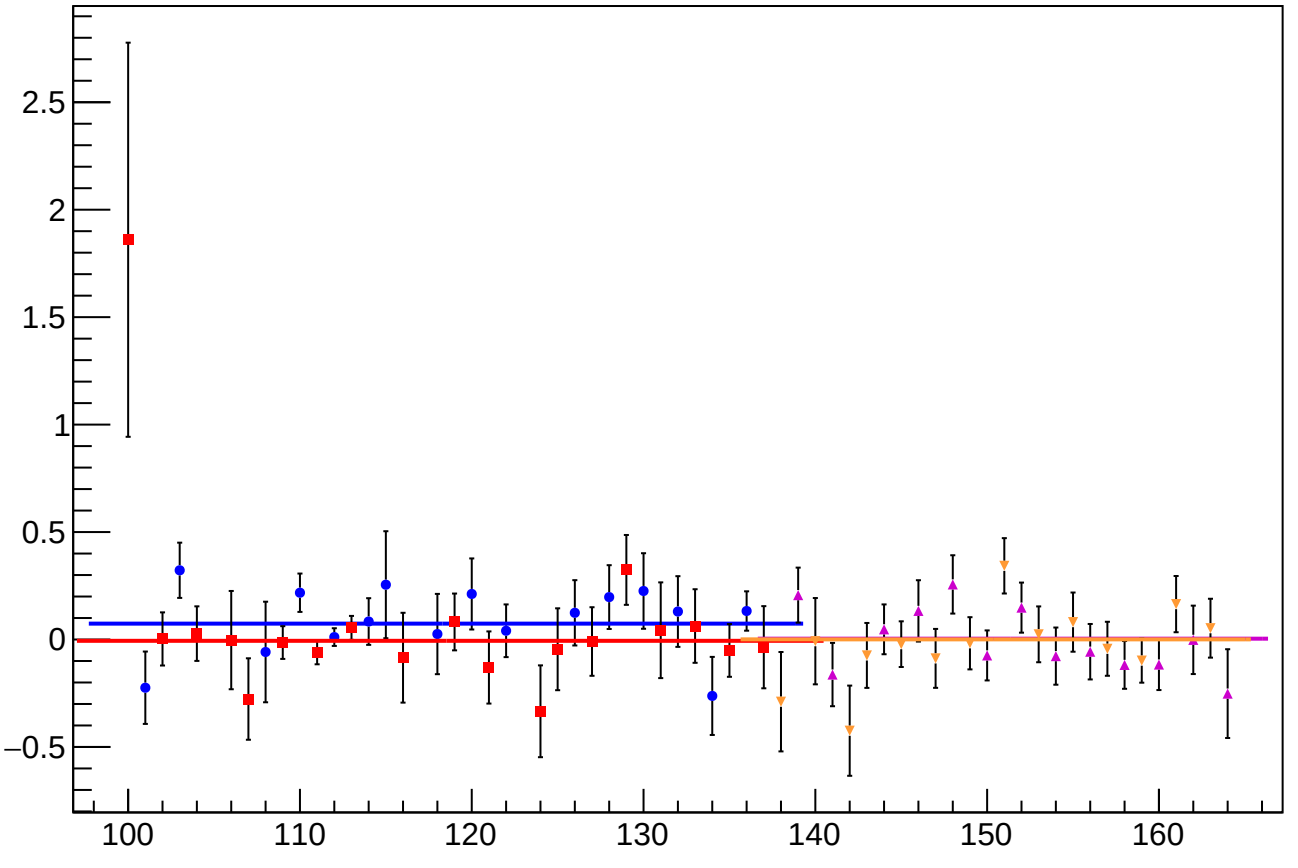
Left: 0.000+/-0.000 χ^2/NDF: 1507038.2/26

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2782788.8/28

Out: 0.000+/-0.000 χ^2/NDF:3103515.6/32

All: 0.000+/-0.000 χ^2/NDF: 5886324.5/61



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.004+/-0.036 χ^2/NDF:14.6/12

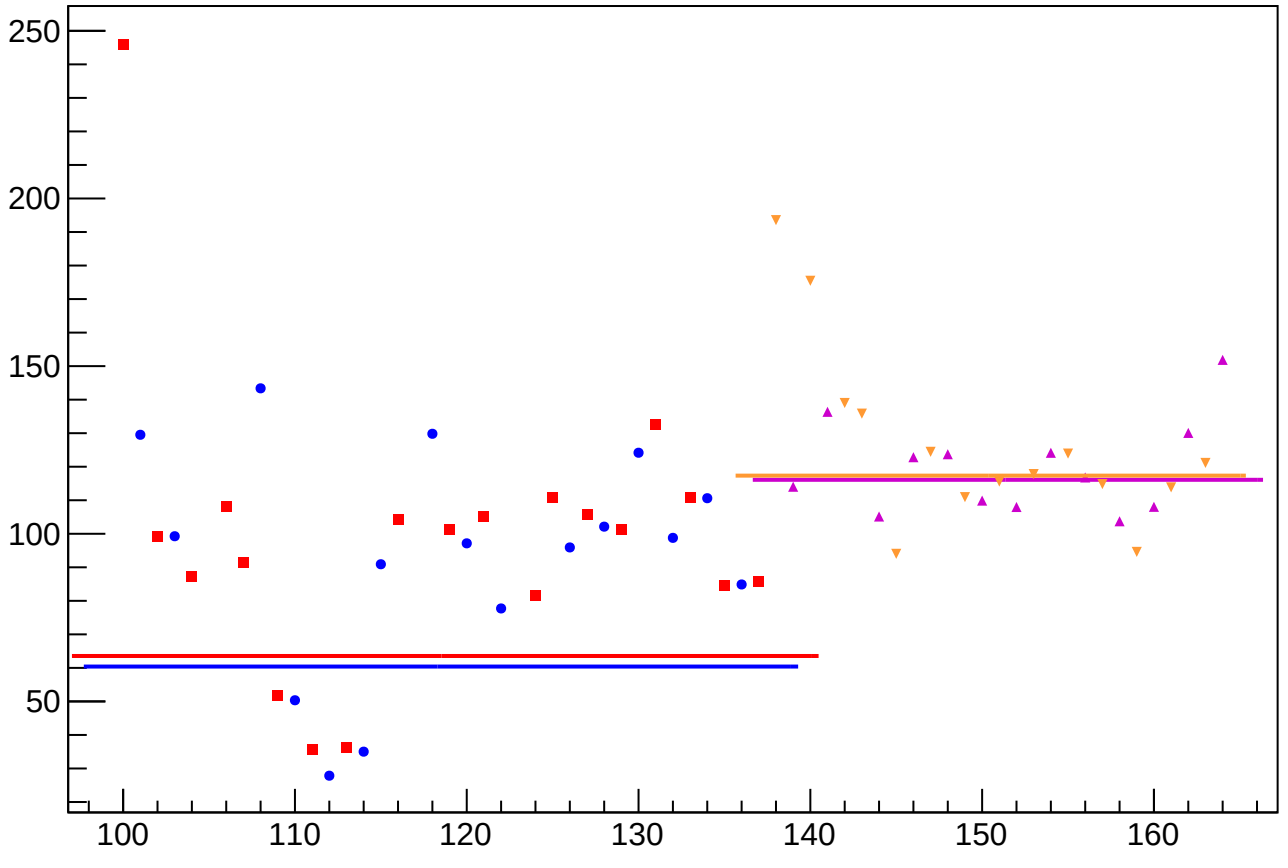
Left: 0.002+/-0.026 χ^2/NDF: 31.2/26

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.022 χ^2/NDF:35.9/28

Out: -0.004+/-0.022 χ^2/NDF:33.0/32

All: 0.022+/-0.015 χ^2/NDF: 71.9/61



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 117.343+/-0.026 χ^2/NDF:649904.3/13

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.097+/-0.026 χ^2/NDF:199152.5/12

Left: 116.719+/-0.018 χ^2/NDF: 850240.3/26

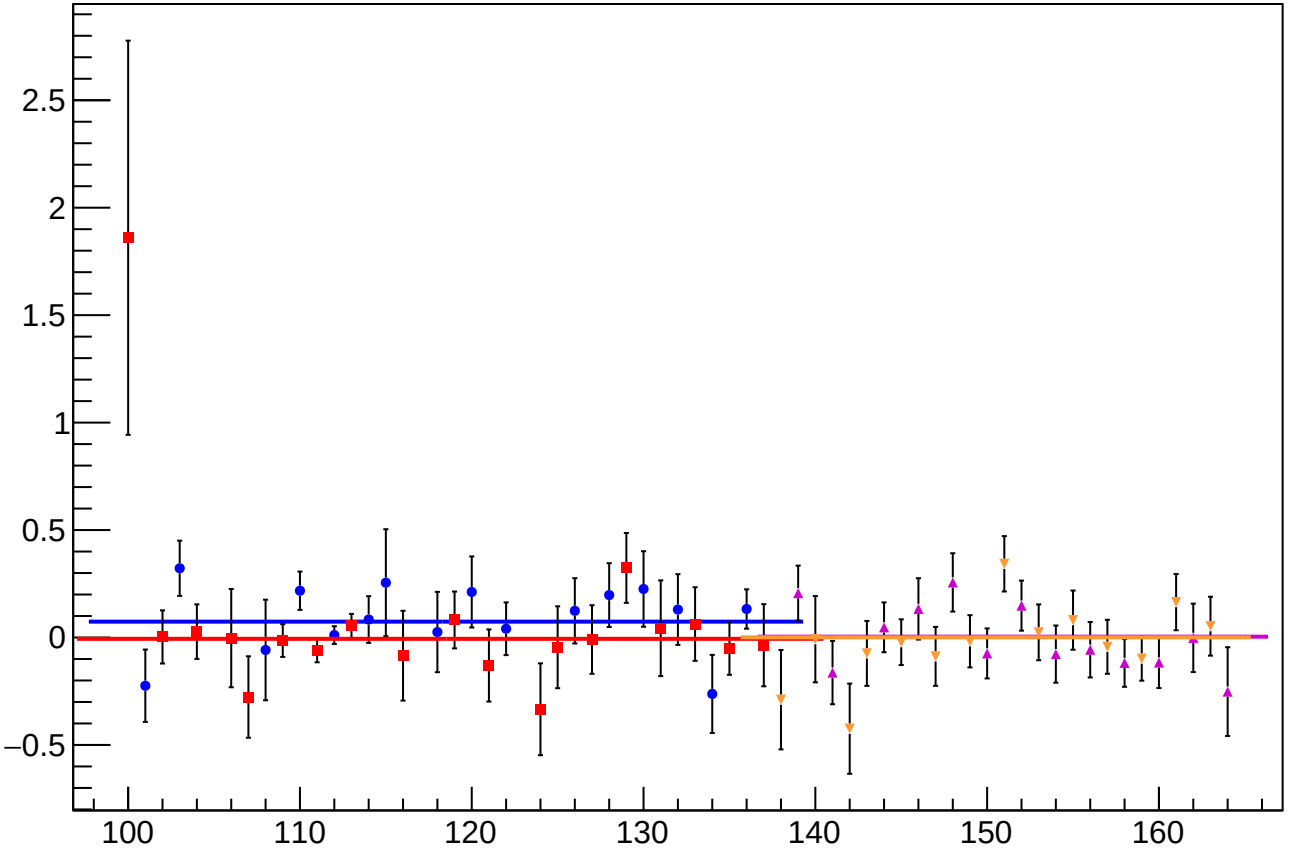
Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 80.331+/-0.015 χ^2/NDF:6779915.3/28

Out: 82.599+/-0.015 χ^2/NDF:6150689.5/32

All: 81.469+/-0.011 χ^2/NDF: 12941622.6/61

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: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.004+/-0.036 χ^2/NDF:14.6/12

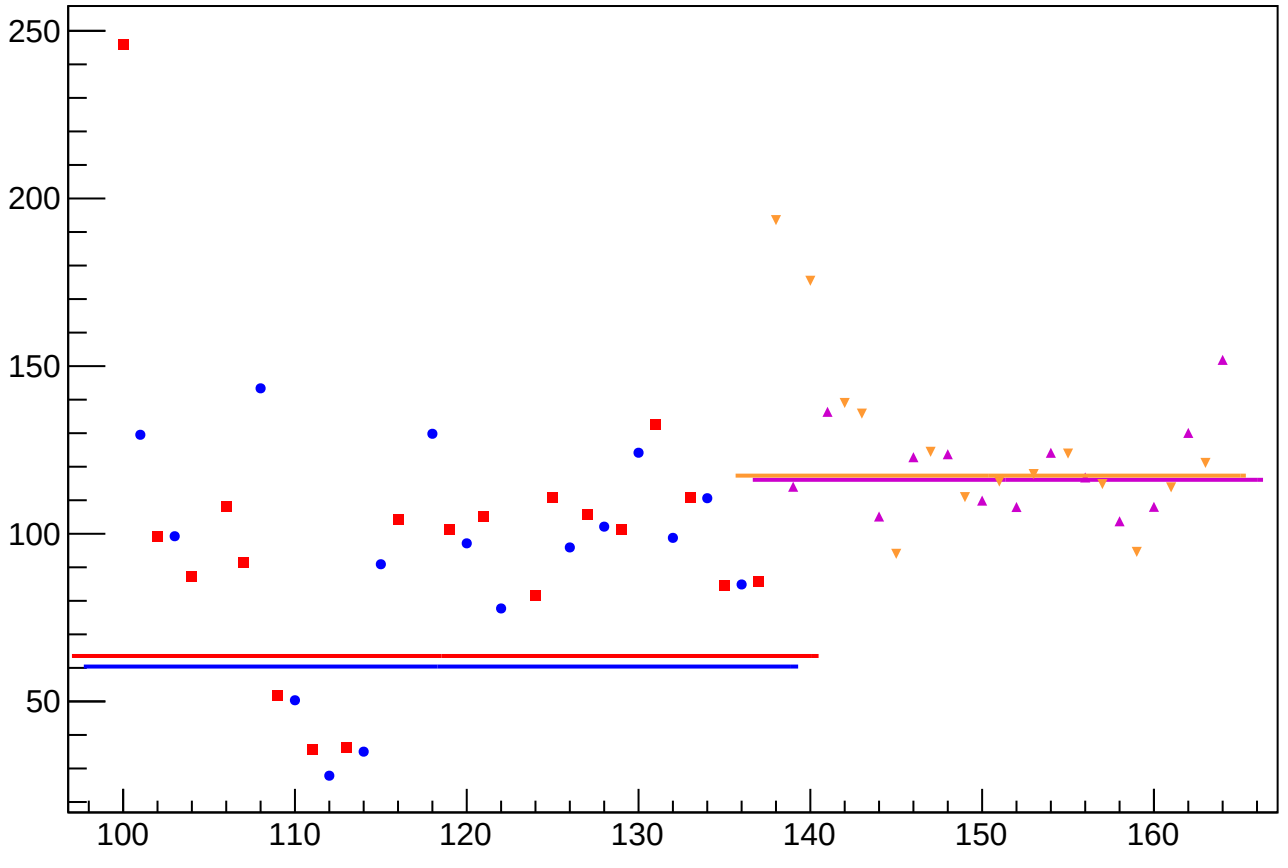
Left: 0.002+/-0.026 χ^2/NDF: 31.2/26

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.022 χ^2/NDF:35.9/28

Out: -0.004+/-0.022 χ^2/NDF:33.0/32

All: 0.022+/-0.015 χ^2/NDF: 71.9/61



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 117.343+/-0.026 χ^2/NDF:649904.3/13

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 116.097+/-0.026 χ^2/NDF:199152.5/12

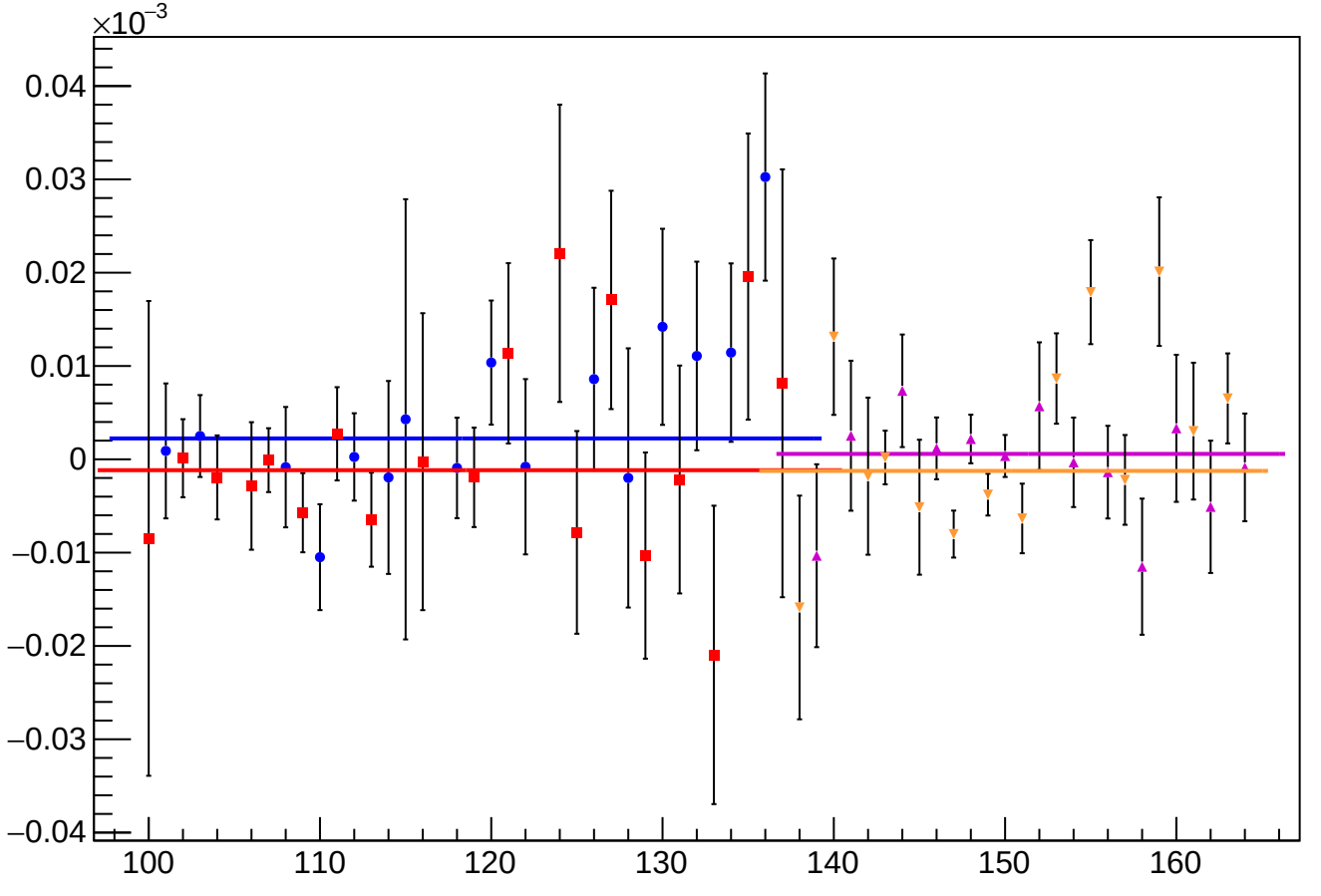
Left: 116.719+/-0.018 χ^2/NDF: 850240.3/26

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 80.331+/-0.015 χ^2/NDF:6779915.3/28

Out: 82.599+/-0.015 χ^2/NDF:6150689.5/32

All: 81.469+/-0.011 χ^2/NDF: 12941622.6/61



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

Left Out: -0.000+/-0.000 χ^2/NDF:41.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/12

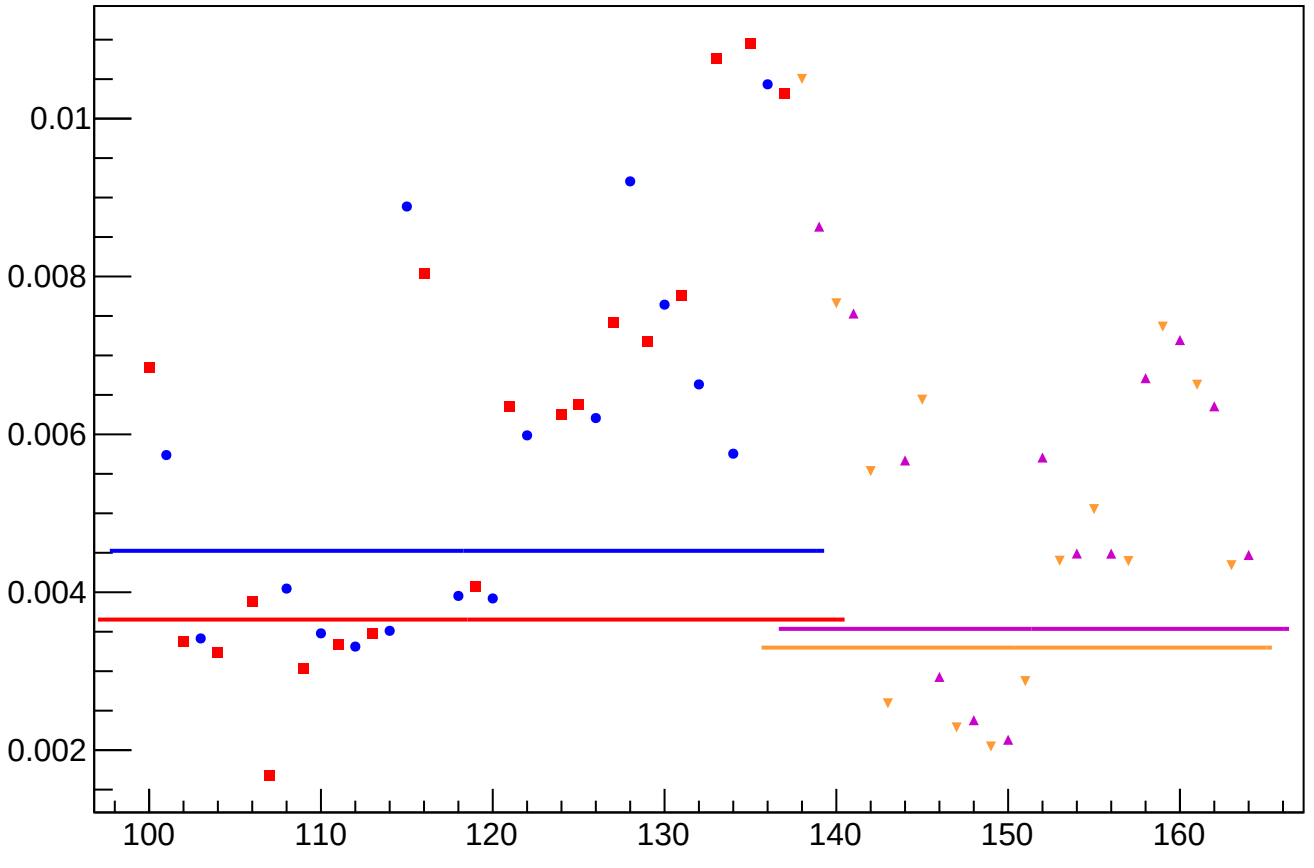
Left: -0.000+/-0.000 χ^2/NDF: 50.0/26

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:25.3/28

Out: -0.000+/-0.000 χ^2/NDF:55.6/32

All: -0.000+/-0.000 χ^2/NDF: 83.9/61



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:4311273.3/13

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.004+/-0.000 χ^2/NDF:4058593.9/12

Left: 0.003+/-0.000 χ^2/NDF: 8411218.2/26

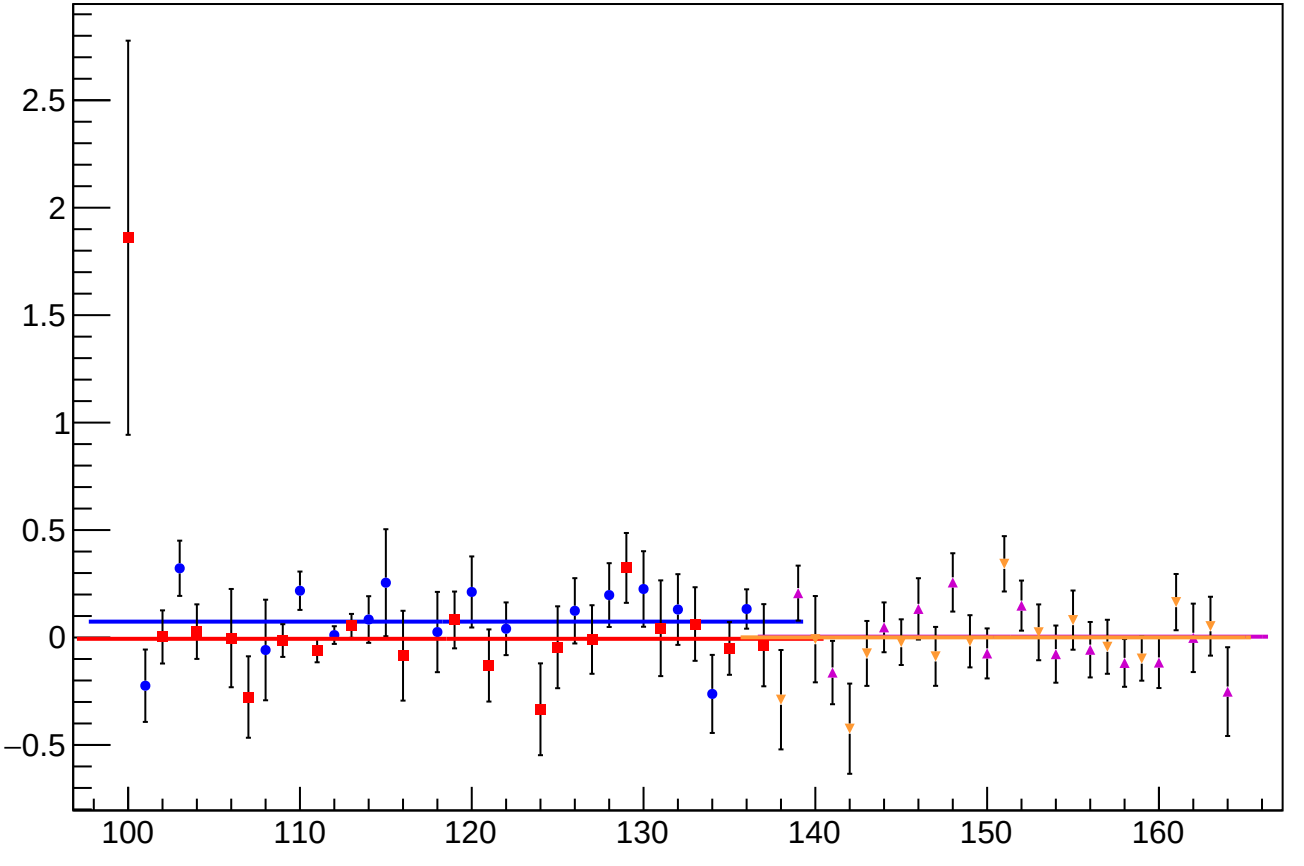
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:6191440.2/28

Out: 0.003+/-0.000 χ^2/NDF:7316624.0/32

All: 0.004+/-0.000 χ^2/NDF: 13698852.7/61

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.004+/-0.036 χ^2/NDF:14.6/12

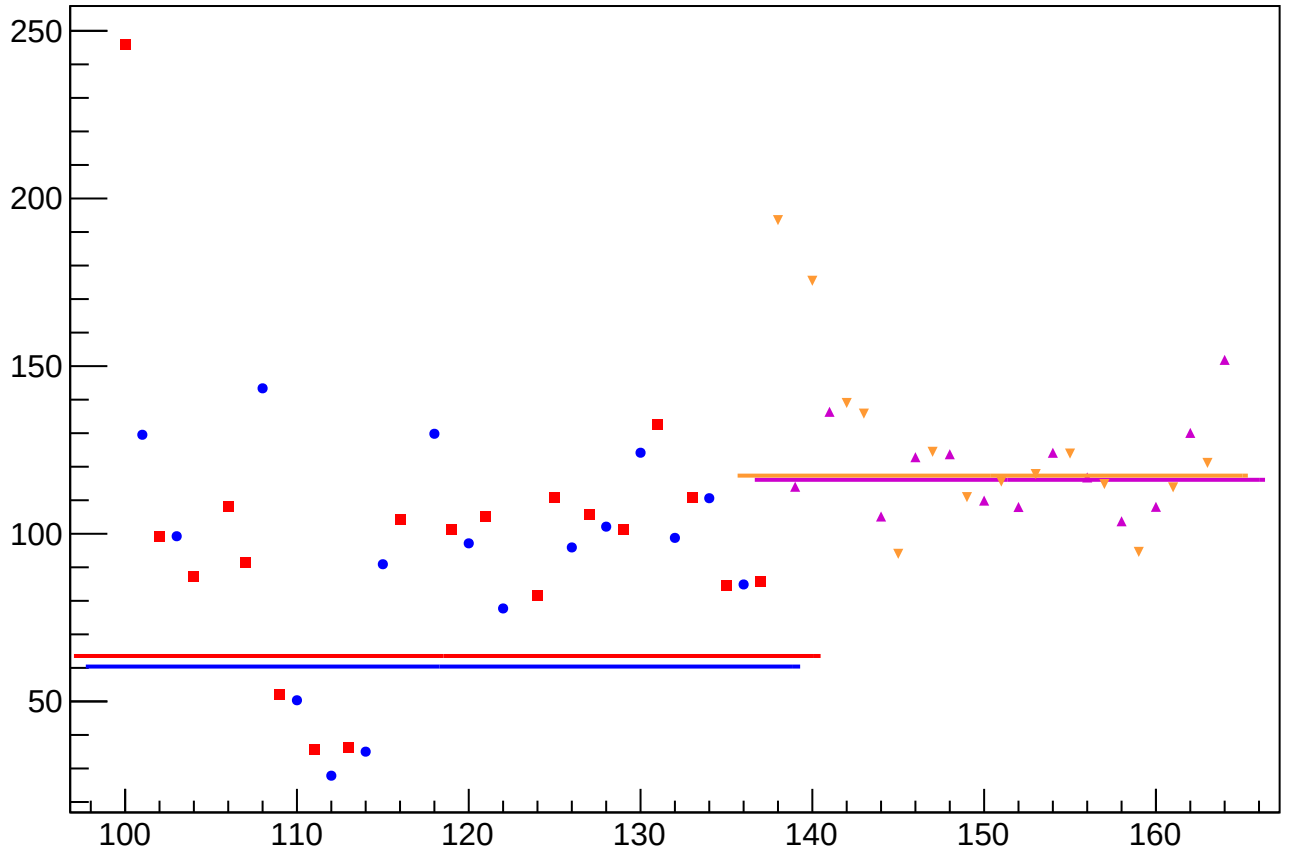
Left: 0.002+/-0.026 χ^2/NDF: 31.2/26

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.022 χ^2/NDF:35.9/28

Out: -0.004+/-0.022 χ^2/NDF:33.0/32

All: 0.022+/-0.015 χ^2/NDF: 71.9/61



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.344+/-0.026 χ^2/NDF:649873.8/13

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.098+/-0.026 χ^2/NDF:199152.3/12

Left: 116.720+/-0.018 χ^2/NDF: 850209.7/26

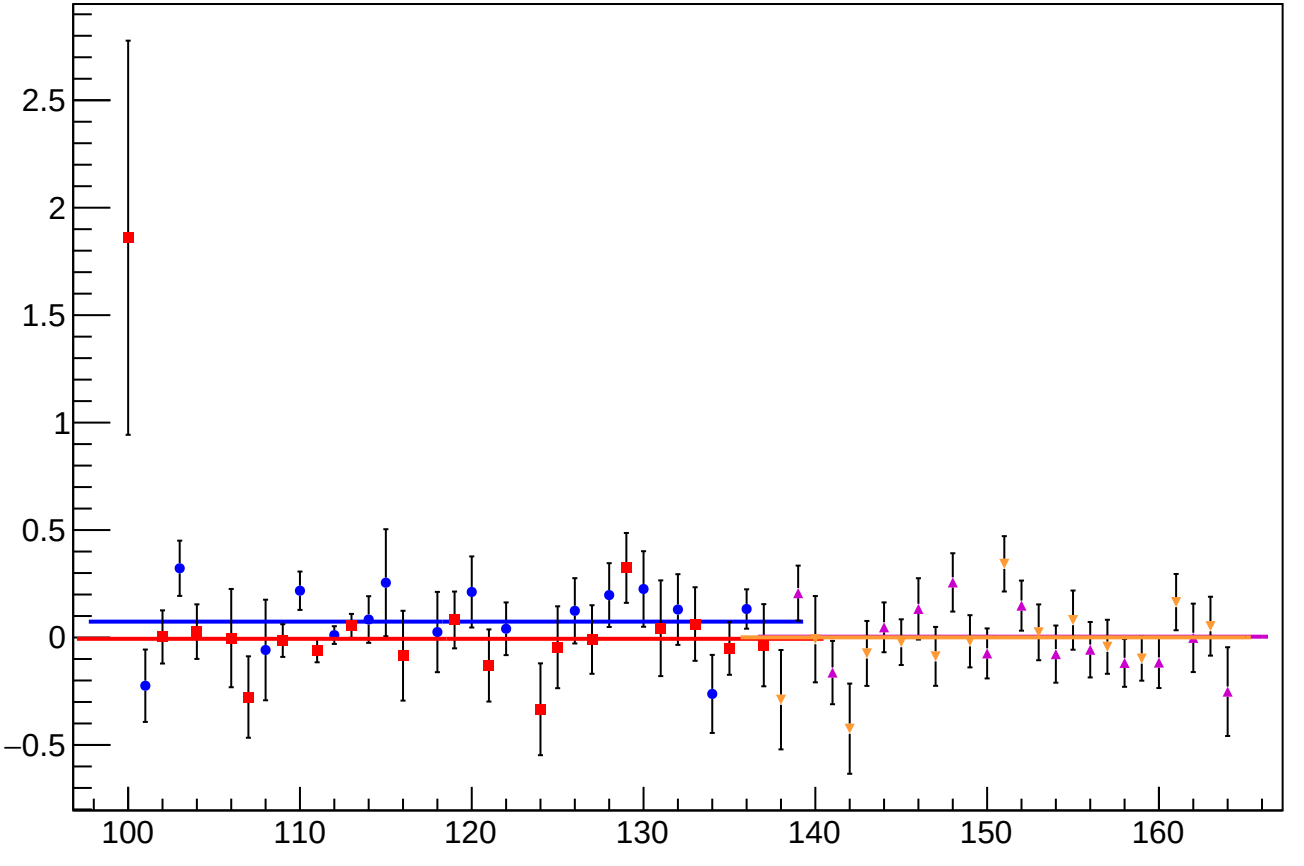
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 80.329+/-0.015 χ^2/NDF:6780548.9/28

Out: 82.597+/-0.015 χ^2/NDF:6151256.6/32

All: 81.468+/-0.011 χ^2/NDF: 12942826.8/61

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: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.004+/-0.036 χ^2/NDF:14.6/12

Left: 0.002+/-0.026 χ^2/NDF: 31.2/26

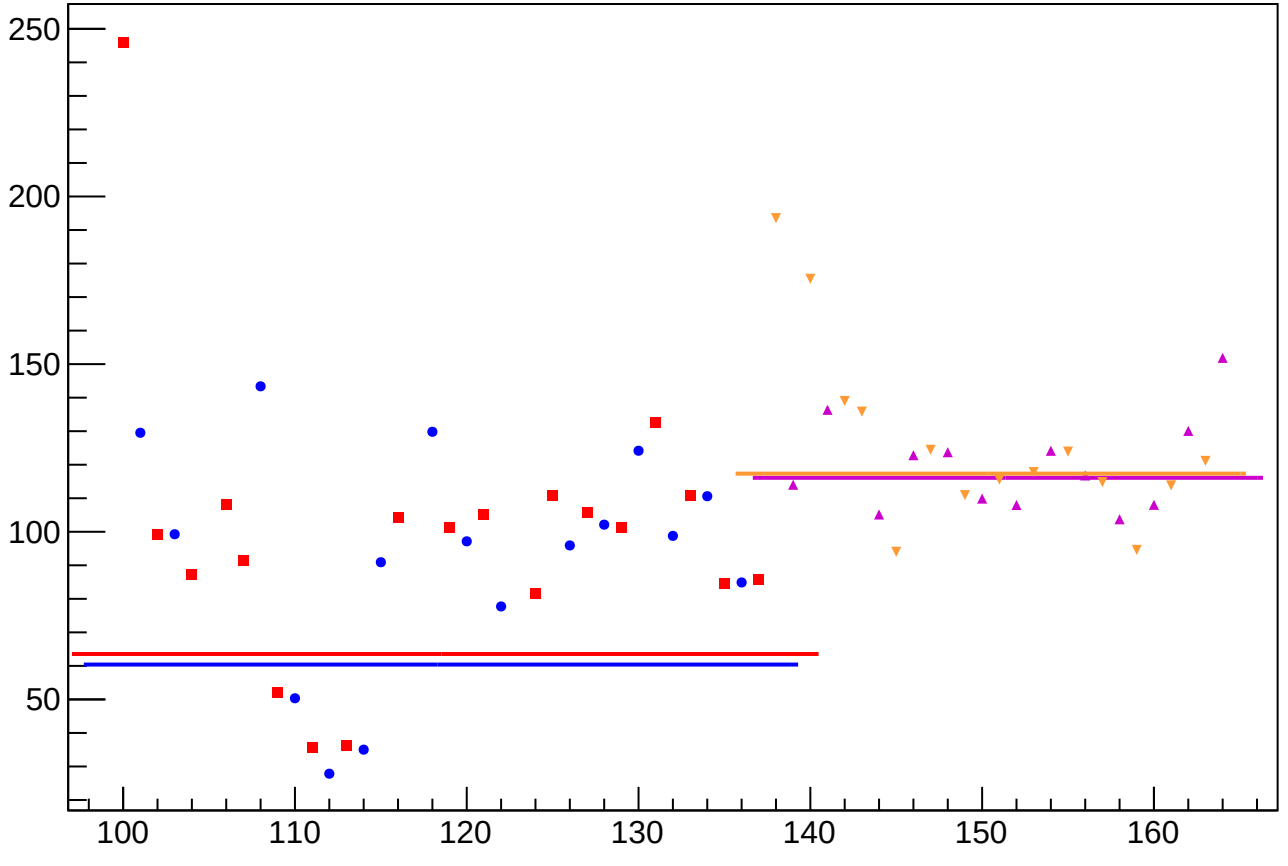
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.022 χ^2/NDF:35.9/28

Out: -0.004+/-0.022 χ^2/NDF:33.0/32

All: 0.022+/-0.015 χ^2/NDF: 71.9/61

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.344+/-0.026 χ^2/NDF:649873.8/13

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 116.098+/-0.026 χ^2/NDF:199152.3/12

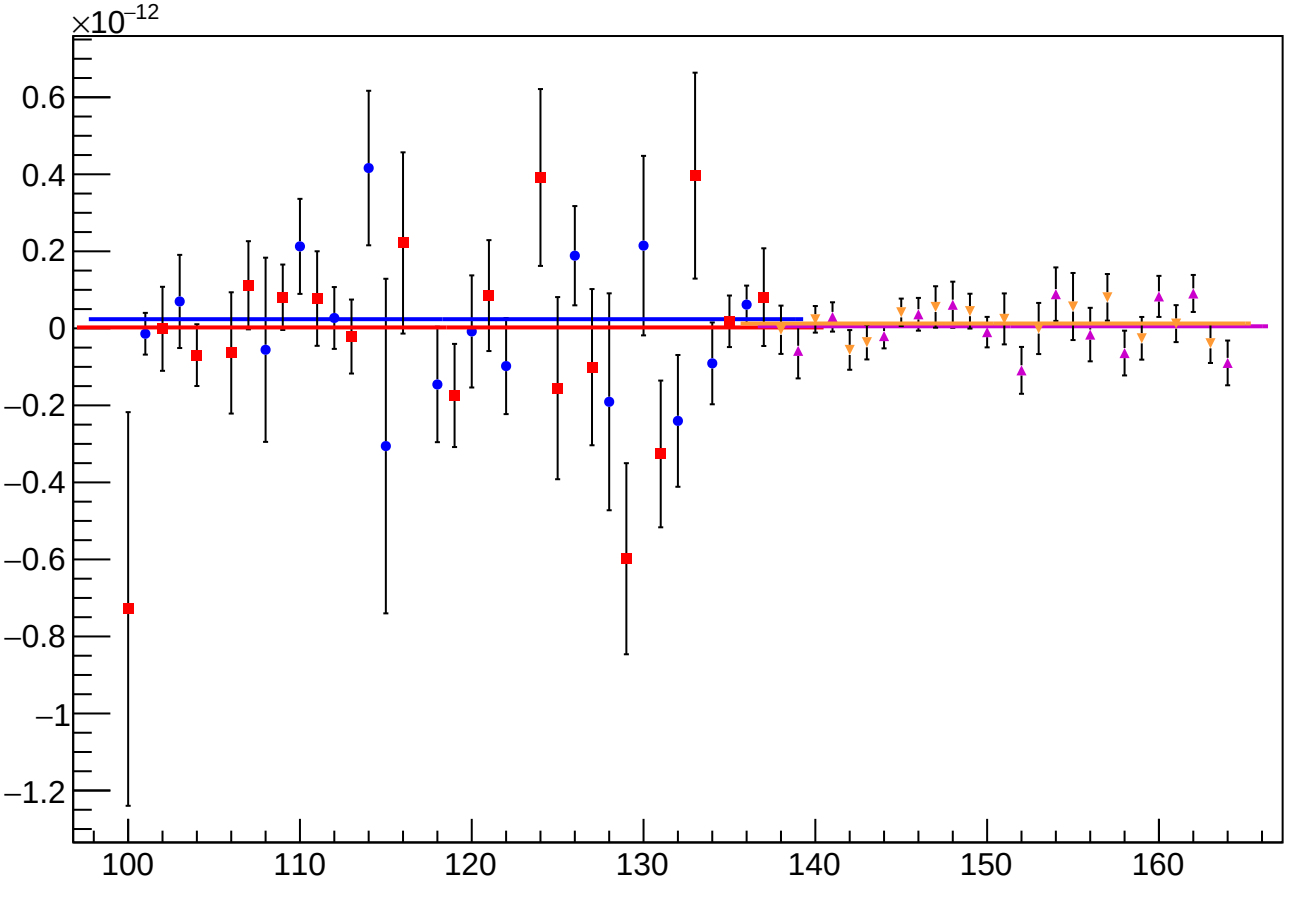
Left: 116.720+/-0.018 χ^2/NDF: 850209.7/26

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 80.329+/-0.015 χ^2/NDF:6780548.9/28

Out: 82.597+/-0.015 χ^2/NDF:6151256.6/32

All: 81.468+/-0.011 χ^2/NDF: 12942826.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/12

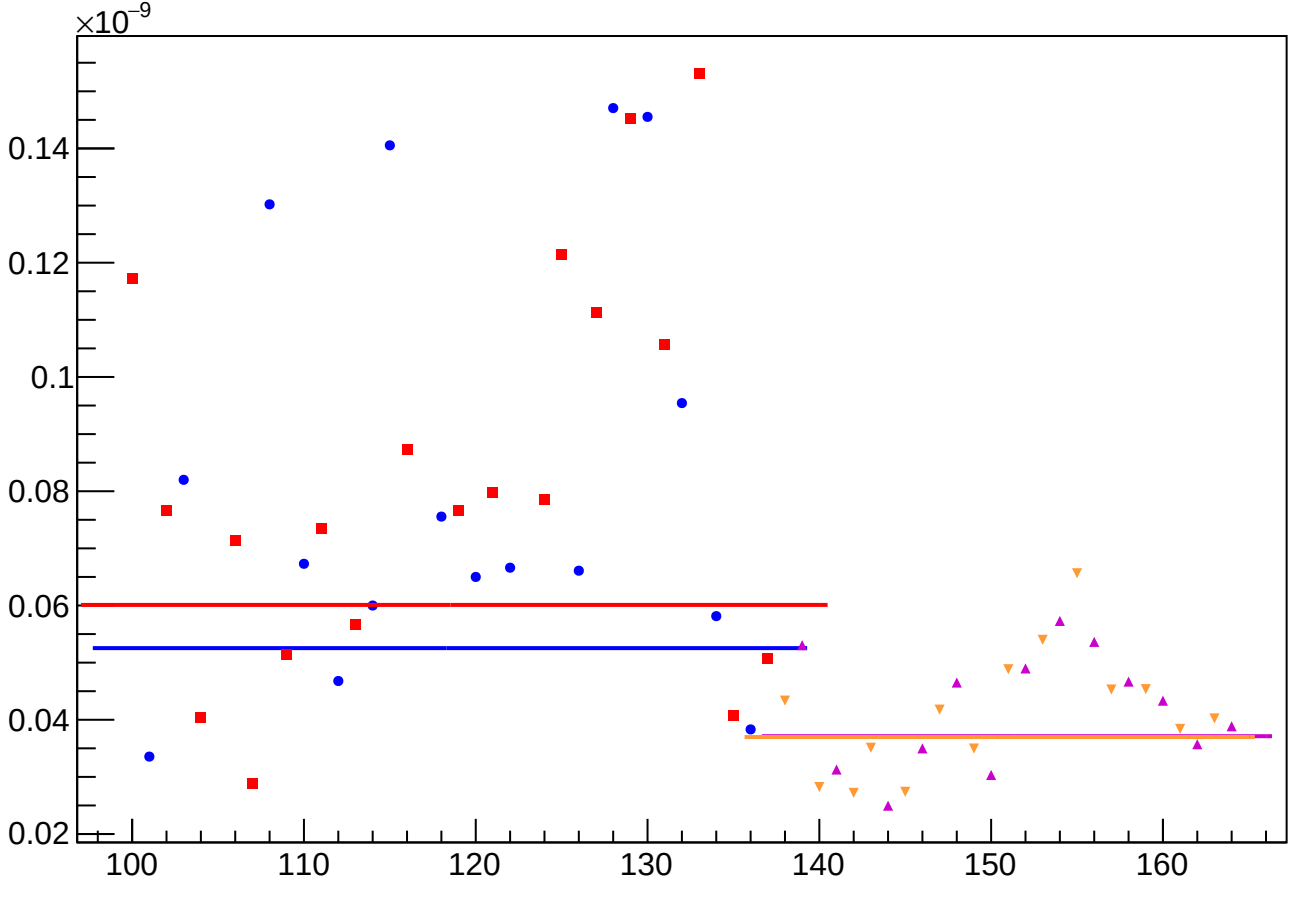
Left: 0.000+/-0.000 χ^2/NDF: 26.0/26

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:35.0/28

Out: 0.000+/-0.000 χ^2/NDF:31.3/32

All: 0.000+/-0.000 χ^2/NDF: 66.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:894878.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:992135.8/12

Left: 0.000+/-0.000 χ^2/NDF: 1887132.9/26

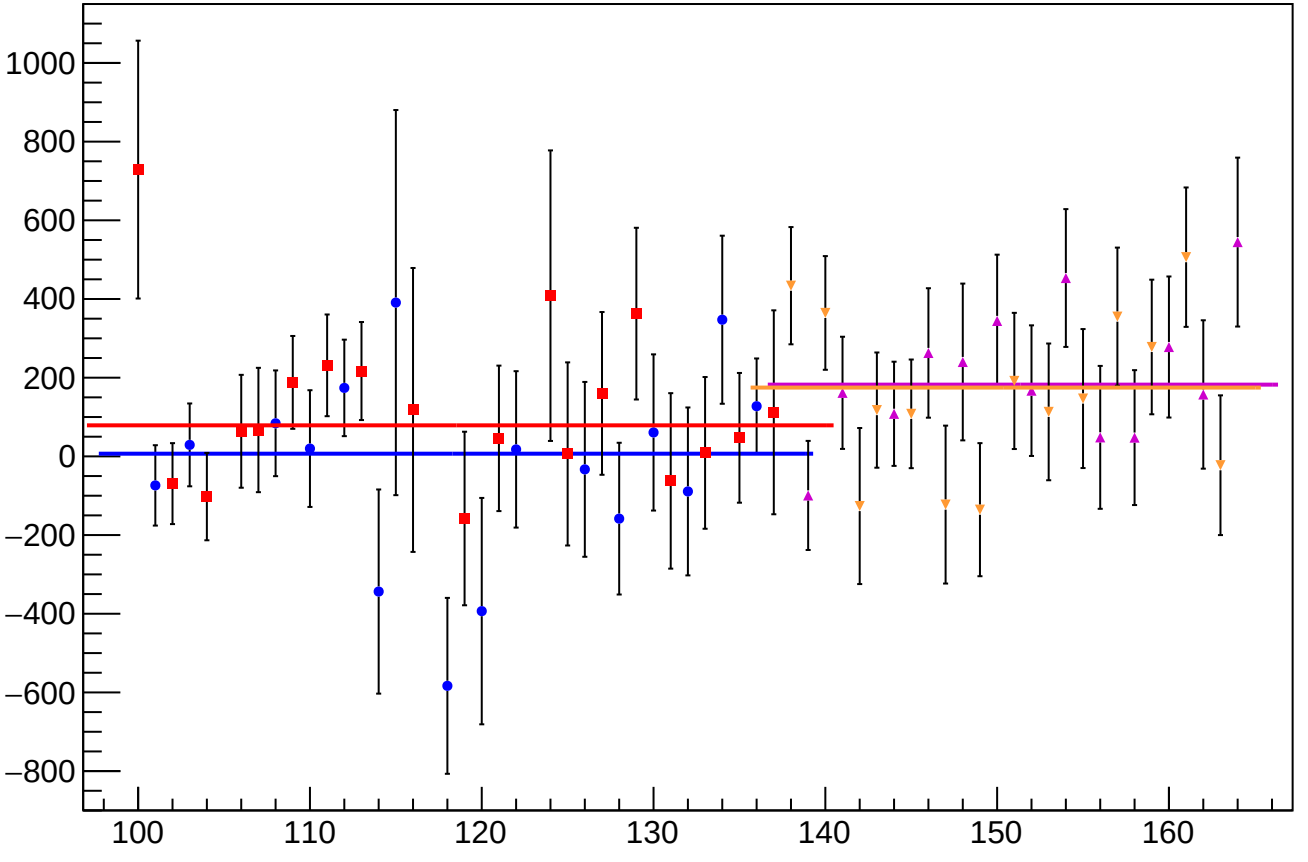
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:3186835.1/28

Out: 0.000+/-0.000 χ^2/NDF:3490787.2/32

All: 0.000+/-0.000 χ^2/NDF: 6680602.5/61

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.859+/-44.456 χ^2/NDF:19.3/13

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 182.327+/-46.137 χ^2/NDF:12.4/12

Left: 178.454+/-32.013 χ^2/NDF: 31.8/26

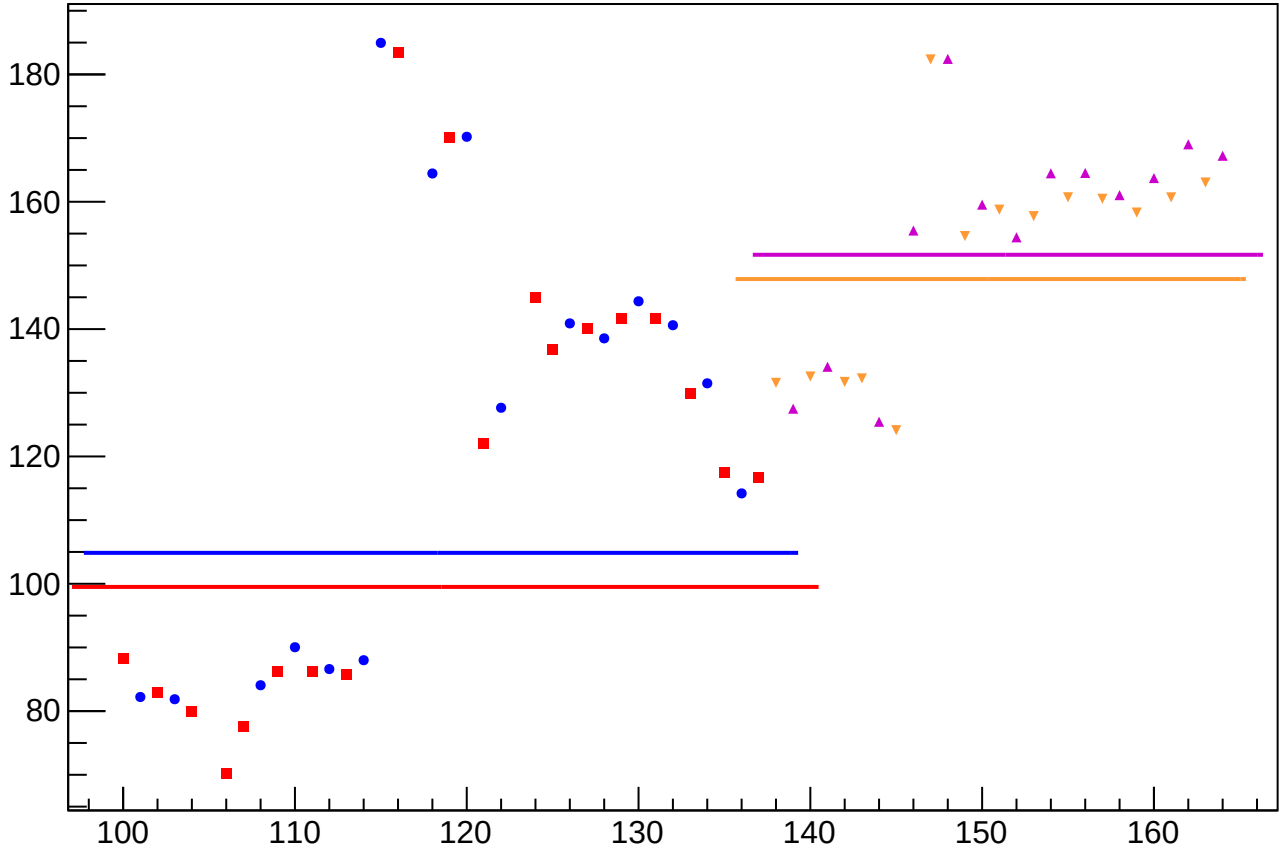
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 82.884+/-30.374 χ^2/NDF:39.4/28

Out: 119.286+/-28.844 χ^2/NDF:38.7/32

All: 102.025+/-20.916 χ^2/NDF: 78.9/61

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 147.861+/-0.031 χ^2/NDF:271538.7/13

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 151.674+/-0.033 χ^2/NDF:286504.6/12

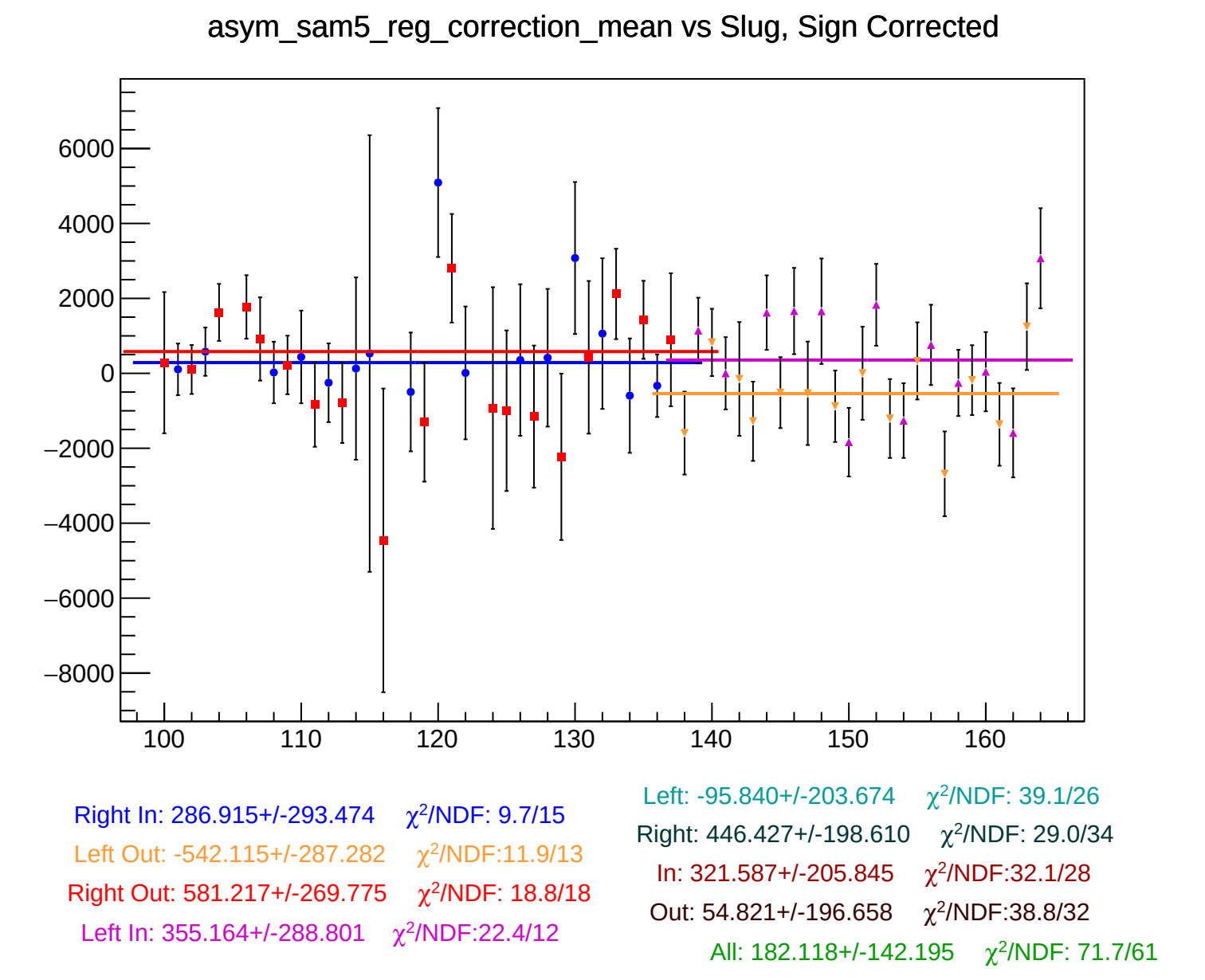
Left: 149.697+/-0.023 χ^2/NDF: 565126.0/26

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

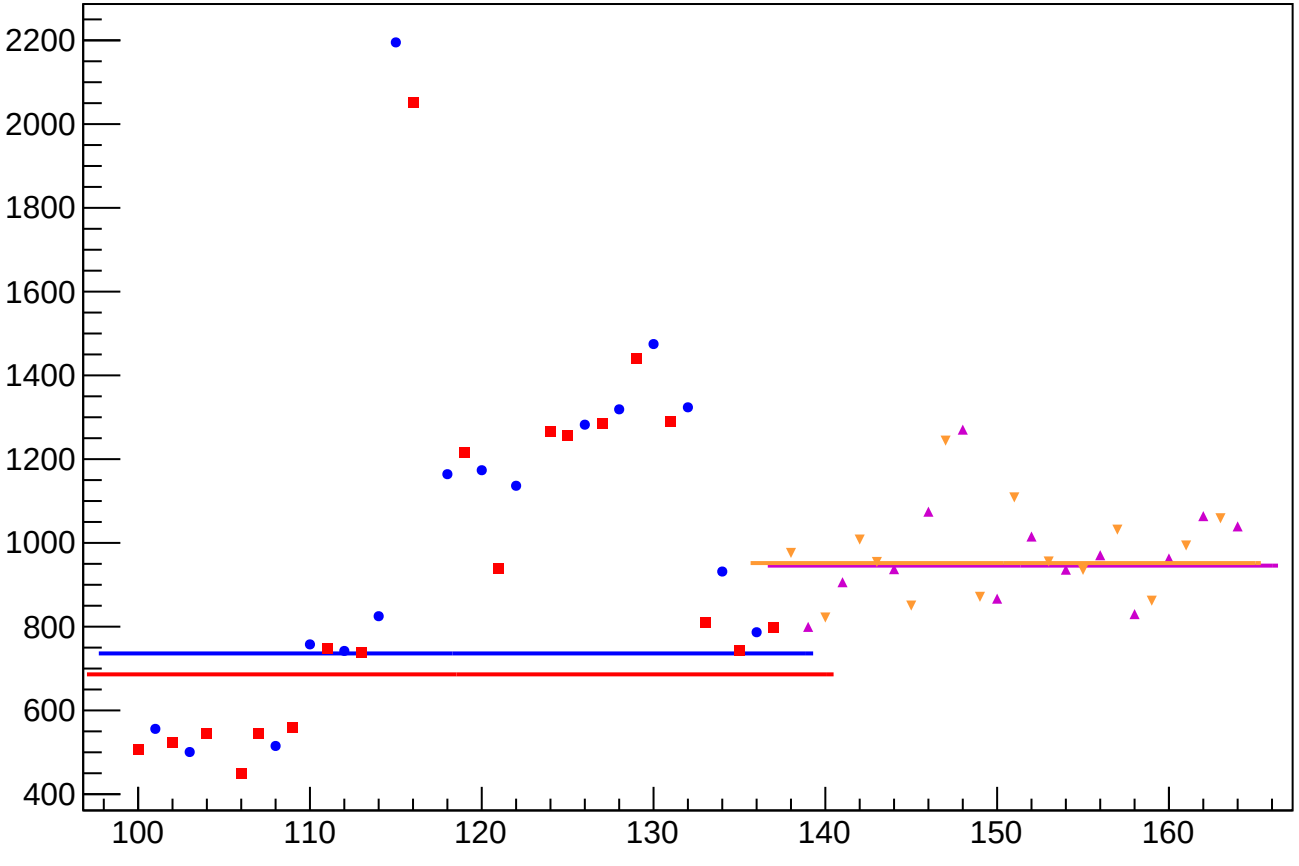
In: 125.150+/-0.021 χ^2/NDF:2384421.9/28

Out: 119.863+/-0.020 χ^2/NDF:2680594.5/32

All: 122.370+/-0.015 χ^2/NDF: 5096882.5/61


asym_sam5_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 286.915+/-293.474 χ²/NDF: 9.7/15
Left Out: -542.115+/-287.282 χ²/NDF:11.9/13
Right Out: 581.217+/-269.775 χ²/NDF: 18.8/18
Left In: 355.164+/-288.801 χ²/NDF:22.4/12
Left: -95.840+/-203.674 χ²/NDF: 39.1/26
Right: 446.427+/-198.610 χ²/NDF: 29.0/34
In: 321.587+/-205.845 χ²/NDF:32.1/28
Out: 54.821+/-196.658 χ²/NDF:38.8/32
All: 182.118+/-142.195 χ²/NDF: 71.7/61

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 951.840+/-0.203 χ^2/NDF:253446.3/13

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 945.750+/-0.204 χ^2/NDF:279113.3/12

Left: 948.811+/-0.144 χ^2/NDF: 533006.7/26

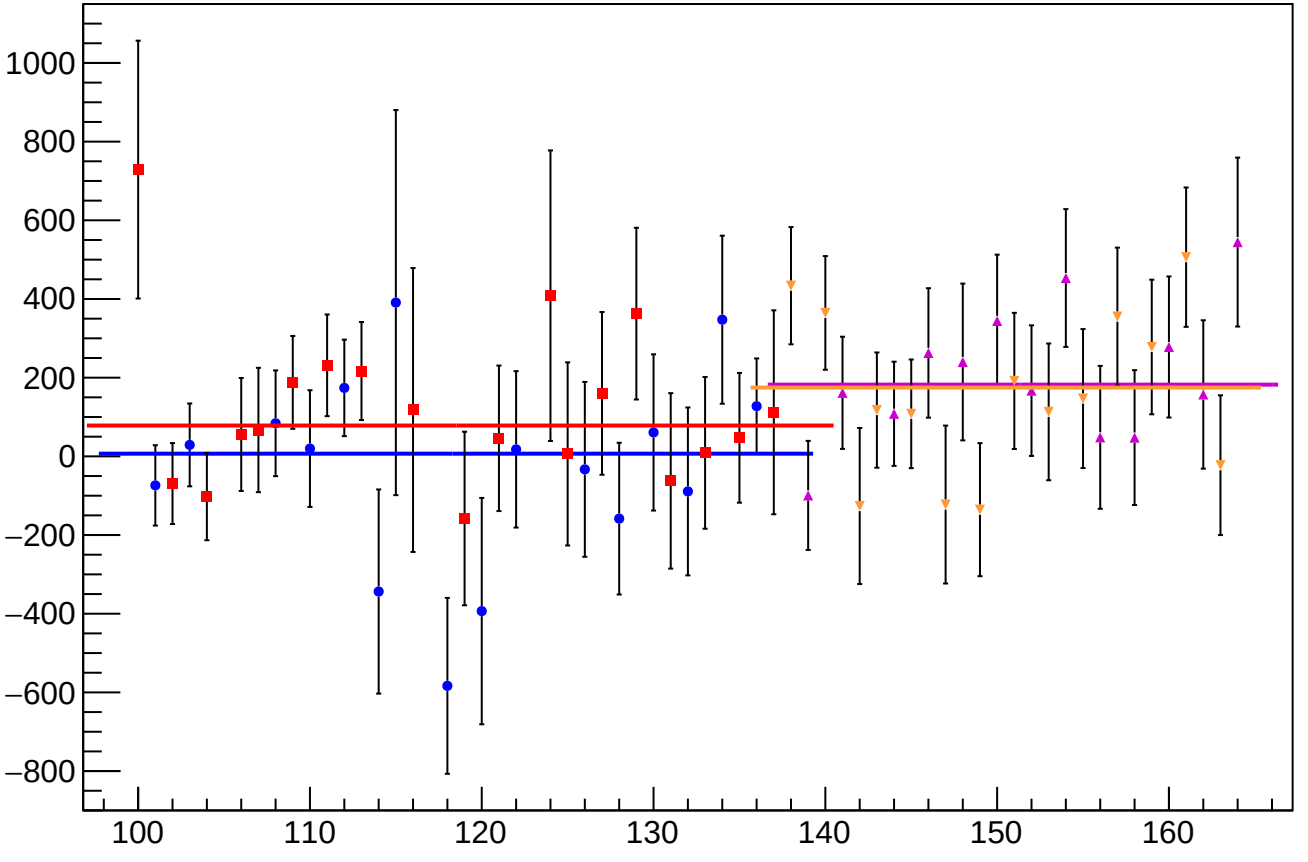
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 842.599+/-0.146 χ^2/NDF:2642209.2/28

Out: 810.631+/-0.139 χ^2/NDF:2981945.3/32

All: 825.886+/-0.101 χ^2/NDF: 5649374.4/61

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.856+/-44.456 χ^2/NDF:19.3/13

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 182.329+/-46.137 χ^2/NDF:12.4/12

Left: 178.454+/-32.013 χ^2/NDF: 31.7/26

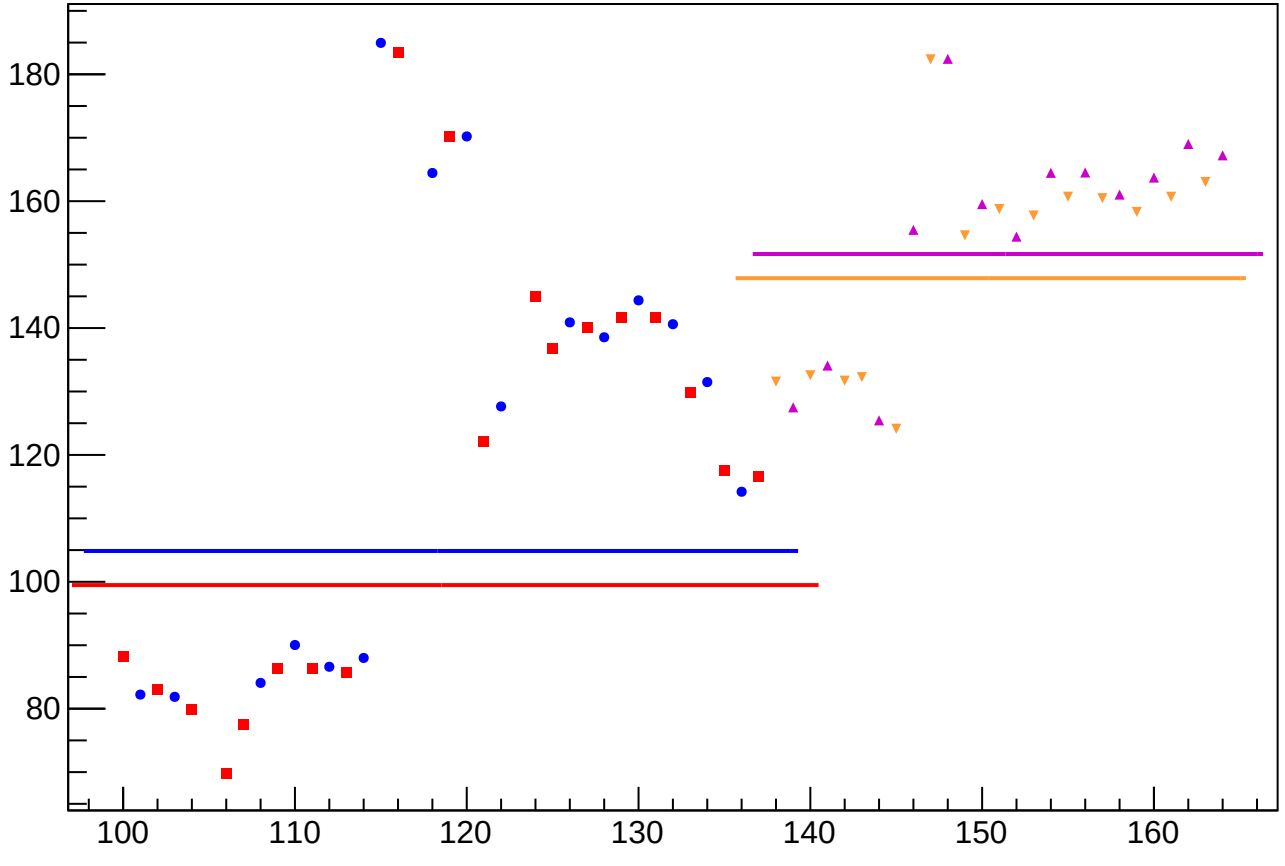
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 82.878+/-30.374 χ^2/NDF:39.4/28

Out: 118.978+/-28.845 χ^2/NDF:38.7/32

All: 101.859+/-20.916 χ^2/NDF: 78.9/61

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 147.861+/-0.031 χ^2/NDF:271538.7/13

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 151.674+/-0.033 χ^2/NDF:286504.6/12

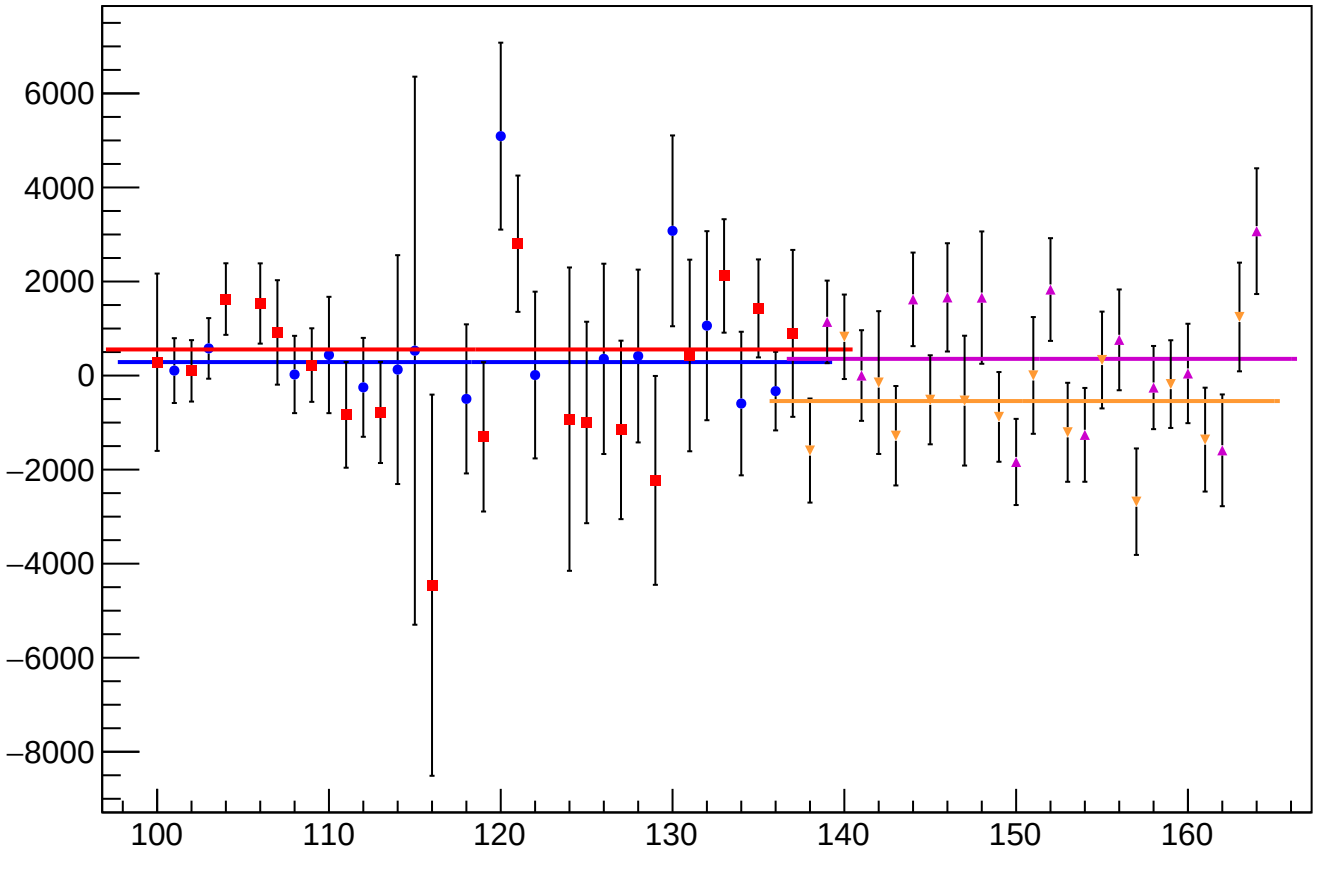
Left: 149.697+/-0.023 χ^2/NDF: 565126.1/26

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 125.150+/-0.021 χ^2/NDF:2384420.3/28

Out: 119.851+/-0.020 χ^2/NDF:2684053.5/32

All: 122.364+/-0.015 χ^2/NDF: 5100485.7/61



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -542.113+/-287.283 χ^2/NDF:11.9/13

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 355.163+/-288.801 χ^2/NDF:22.4/12

Left: -95.840+/-203.674 χ^2/NDF: 39.1/26

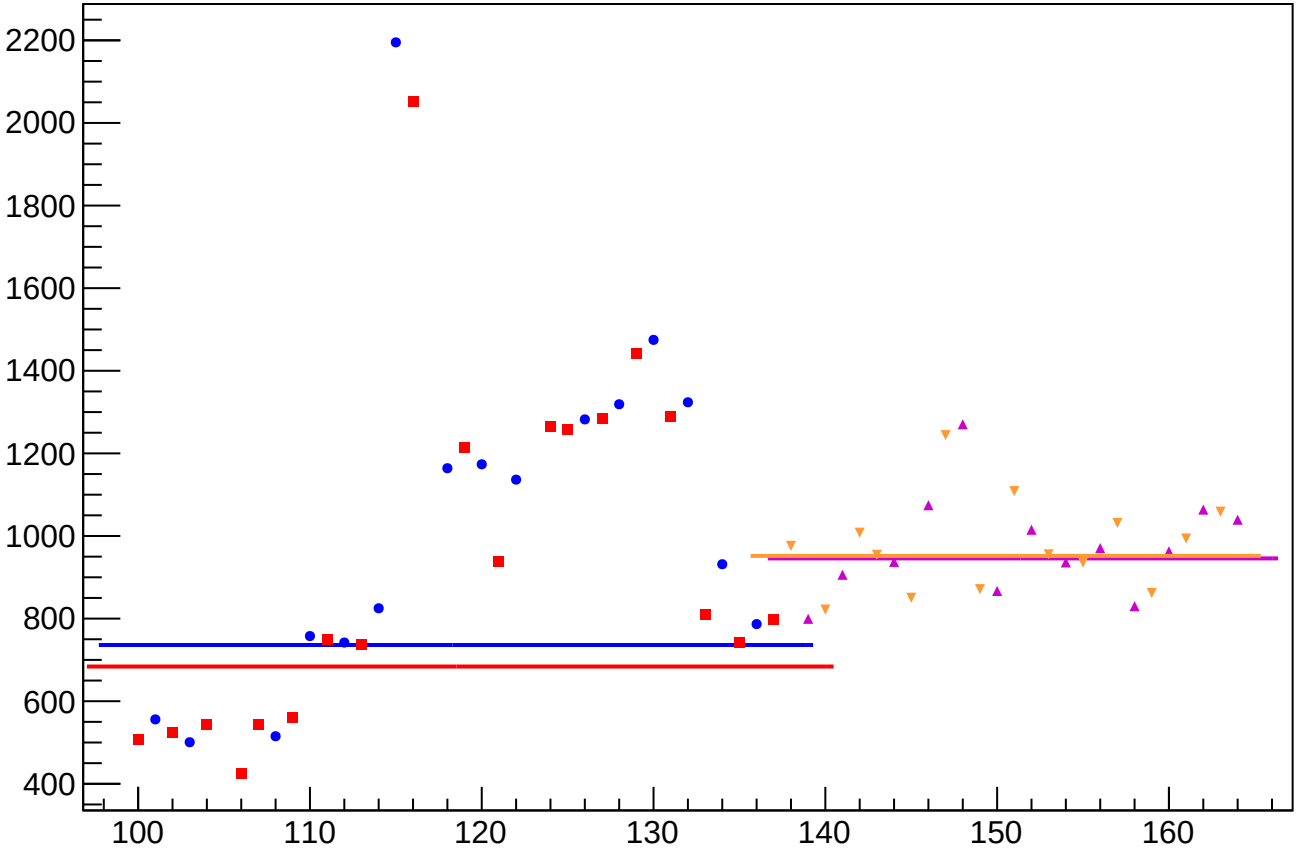
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 321.588+/-205.845 χ^2/NDF:32.1/28

Out: 40.761+/-196.727 χ^2/NDF:37.7/32

All: 174.817+/-142.221 χ^2/NDF: 70.7/61

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 951.840+/-0.203 χ^2/NDF:253446.0/13

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 945.750+/-0.204 χ^2/NDF:279114.5/12

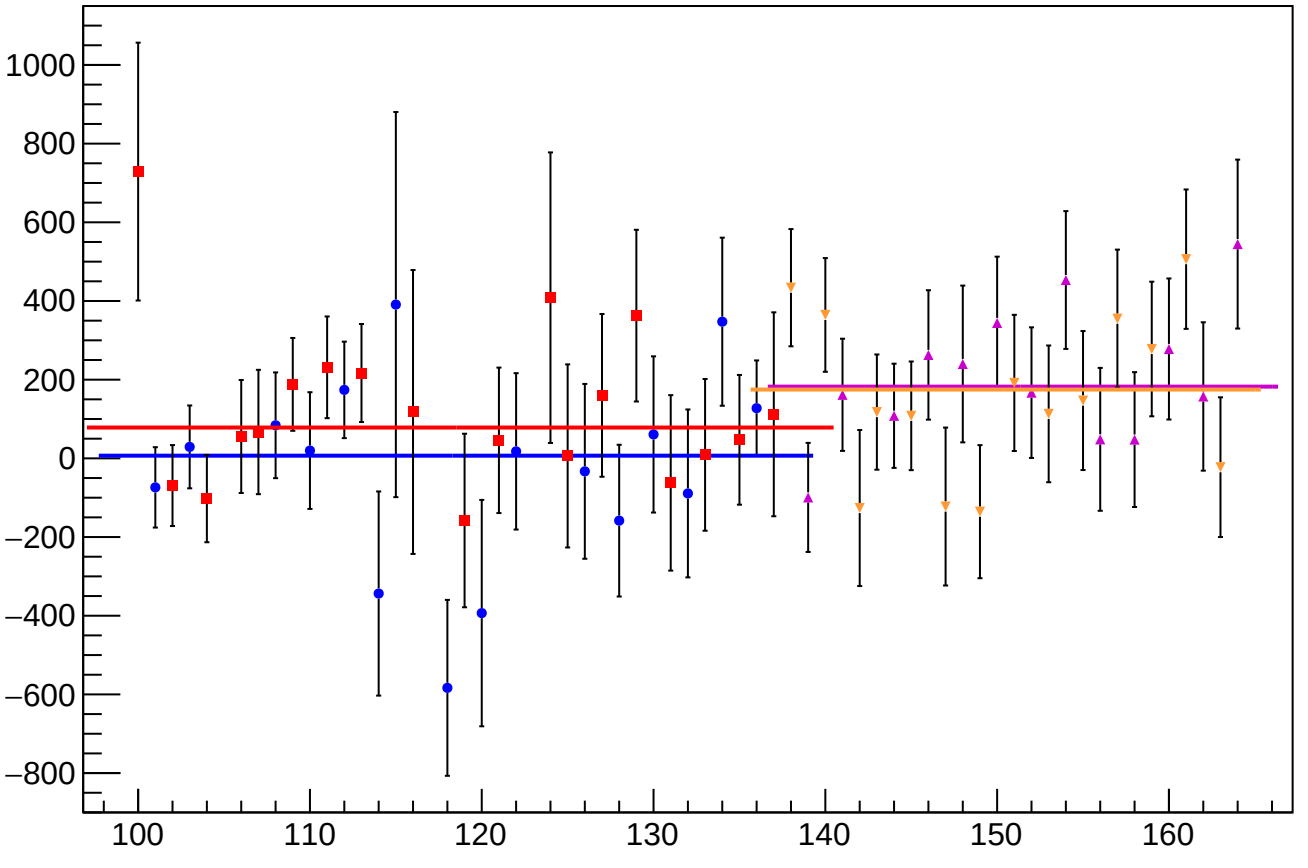
Left: 948.811+/-0.144 χ^2/NDF: 533007.6/26

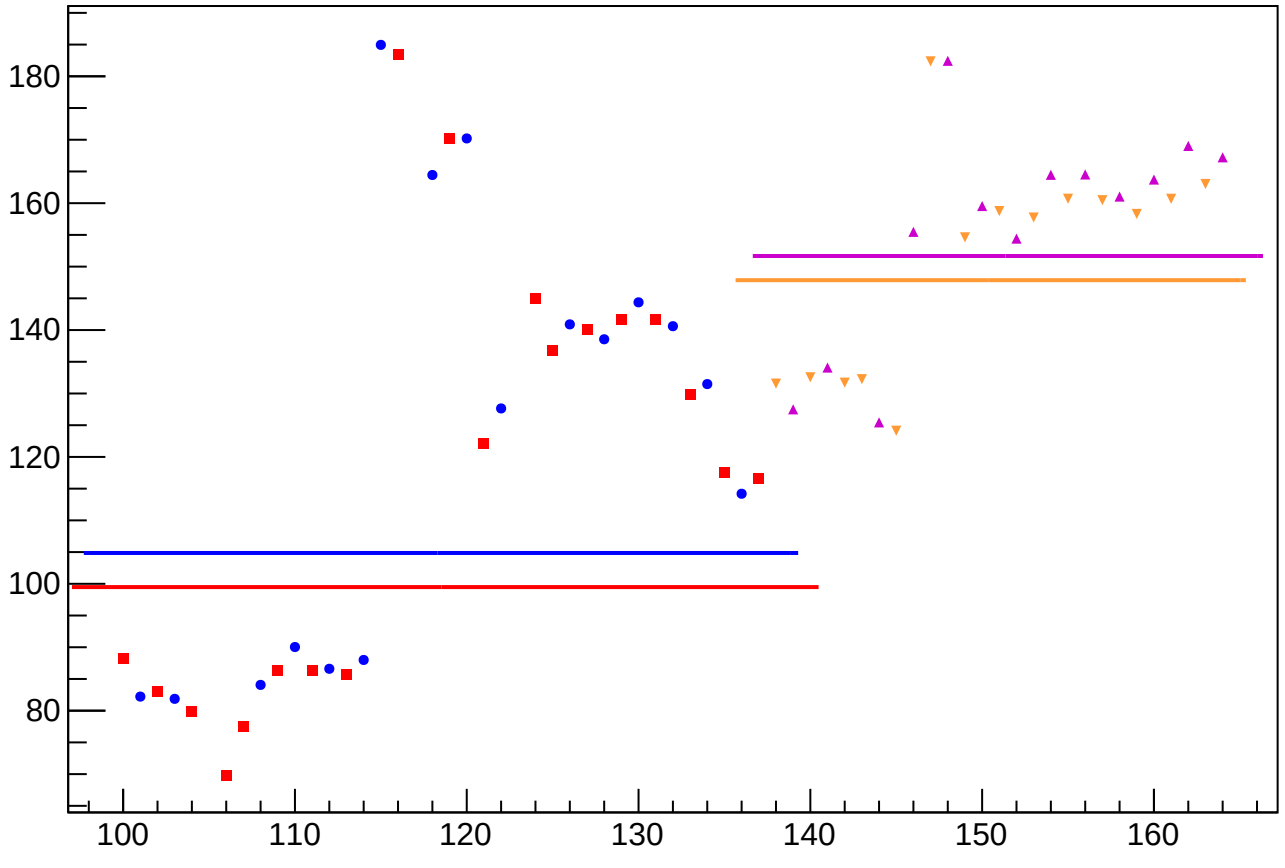
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 842.599+/-0.146 χ^2/NDF:2642217.1/28

Out: 809.588+/-0.139 χ^2/NDF:3027220.7/32

All: 825.346+/-0.101 χ^2/NDF: 5696319.6/61


eigen_cor_asym_sam5_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 174.856+/-44.456 χ²/NDF:19.3/13
Right Out: 78.347+/-37.909 χ²/NDF: 16.7/18
Left In: 182.329+/-46.137 χ²/NDF:12.4/12
Left: 178.454+/-32.013 χ²/NDF: 31.7/26
Right: 44.806+/-27.629 χ²/NDF: 37.1/34
In: 82.878+/-30.374 χ²/NDF:39.4/28
Out: 118.978+/-28.845 χ²/NDF:38.7/32
All: 101.859+/-20.916 χ²/NDF: 78.9/61



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 147.861+/-0.031 χ^2/NDF:271538.7/13

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 151.674+/-0.033 χ^2/NDF:286504.6/12

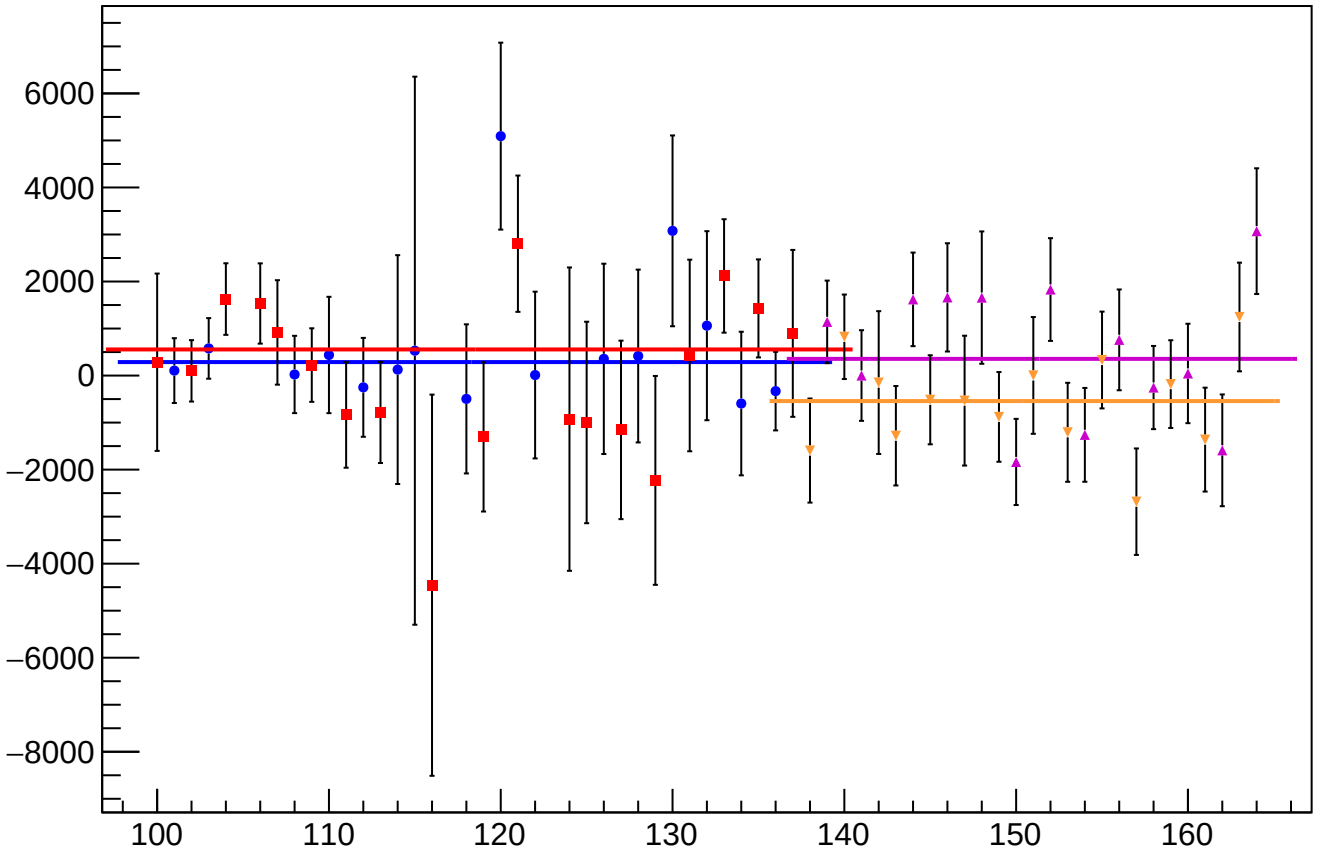
Left: 149.697+/-0.023 χ^2/NDF: 565126.1/26

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 125.150+/-0.021 χ^2/NDF:2384420.3/28

Out: 119.851+/-0.020 χ^2/NDF:2684053.5/32

All: 122.364+/-0.015 χ^2/NDF: 5100485.7/61



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -542.113+/-287.283 χ^2/NDF:11.9/13

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 355.163+/-288.801 χ^2/NDF:22.4/12

Left: -95.840+/-203.674 χ^2/NDF: 39.1/26

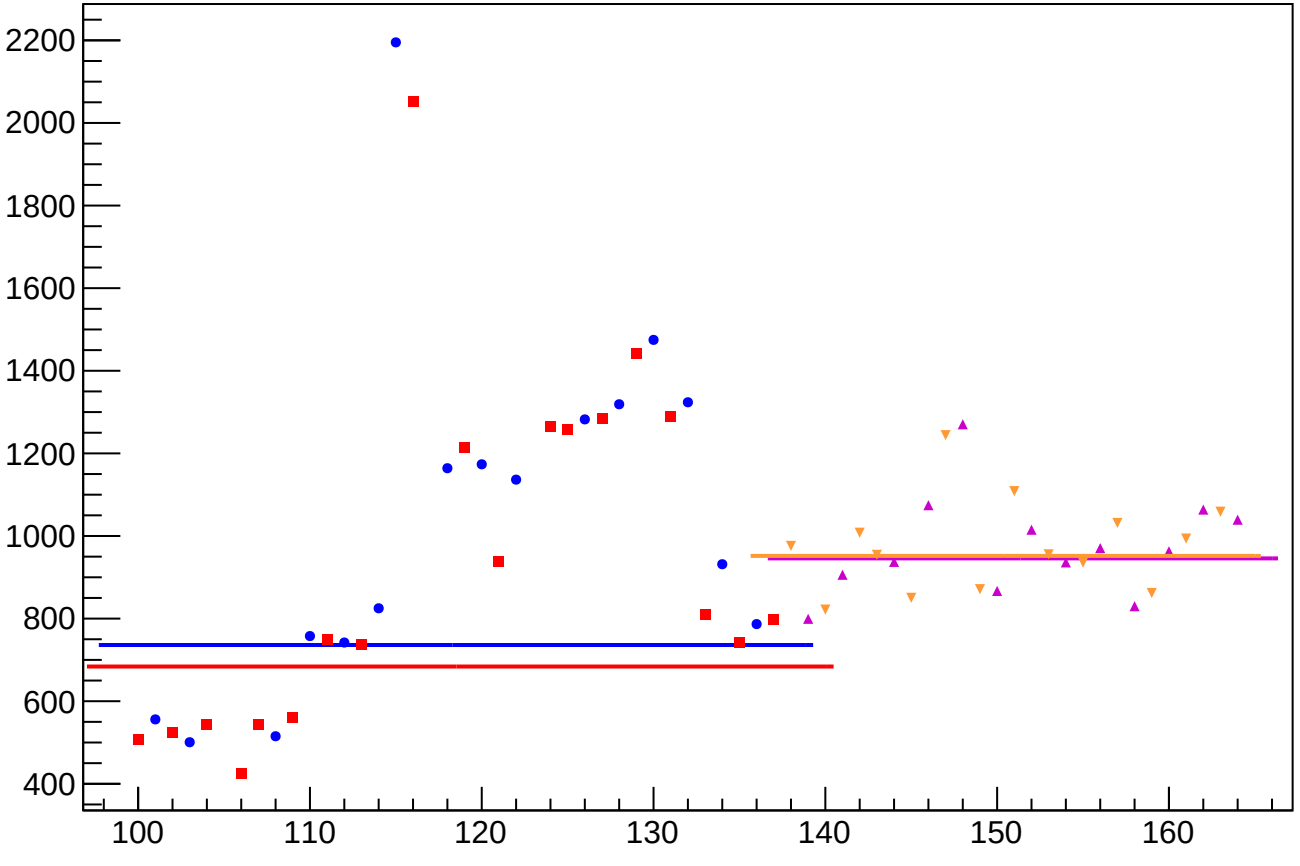
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 321.588+/-205.845 χ^2/NDF:32.1/28

Out: 40.761+/-196.727 χ^2/NDF:37.7/32

All: 174.817+/-142.221 χ^2/NDF: 70.7/61

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 951.840+/-0.203 χ^2/NDF:253446.0/13

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 945.750+/-0.204 χ^2/NDF:279114.5/12

Left: 948.811+/-0.144 χ^2/NDF: 533007.6/26

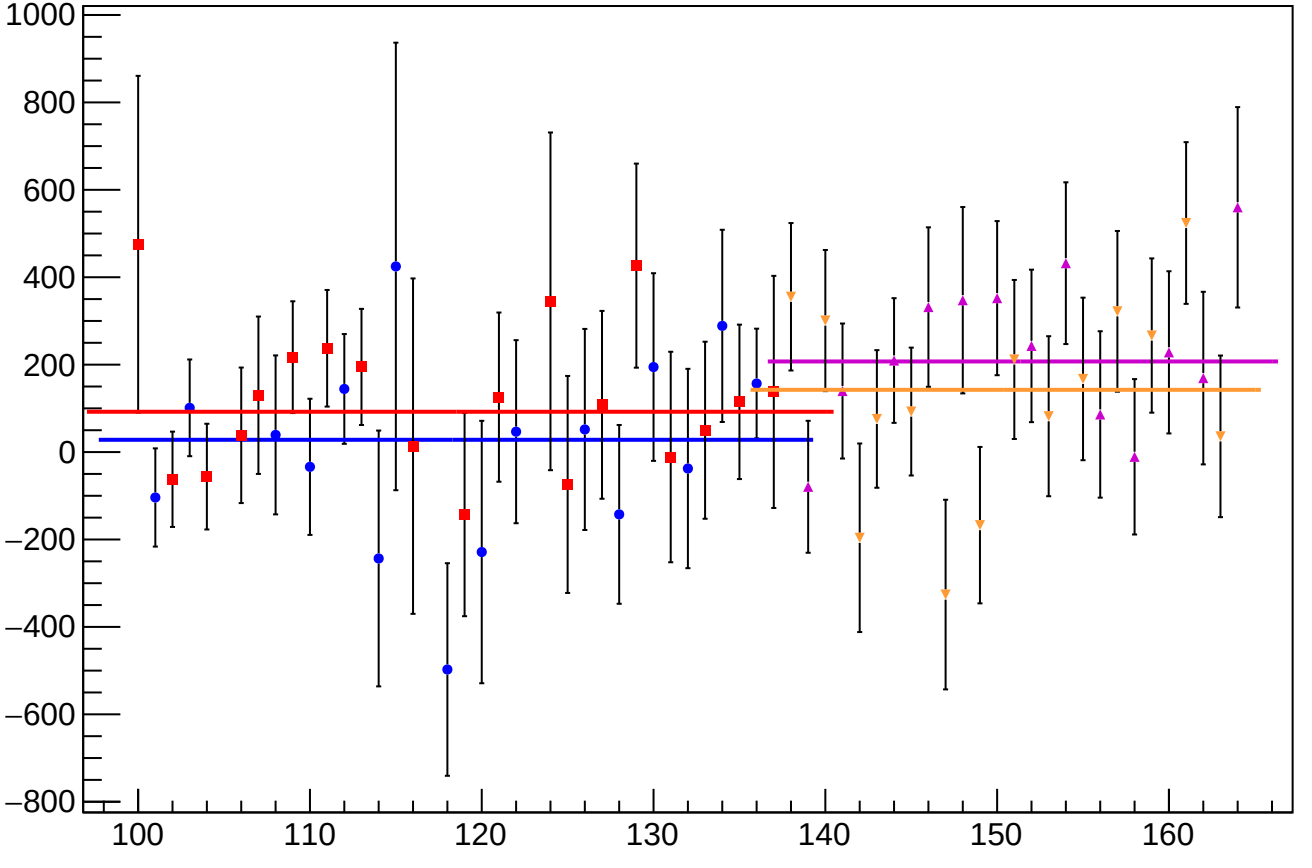
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 842.599+/-0.146 χ^2/NDF:2642217.1/28

Out: 809.588+/-0.139 χ^2/NDF:3027220.7/32

All: 825.346+/-0.101 χ^2/NDF: 5696319.6/61

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 142.437+/-47.473 χ^2/NDF:19.3/13

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 207.309+/-49.134 χ^2/NDF:11.2/12

Left: 173.758+/-34.141 χ^2/NDF: 31.4/26

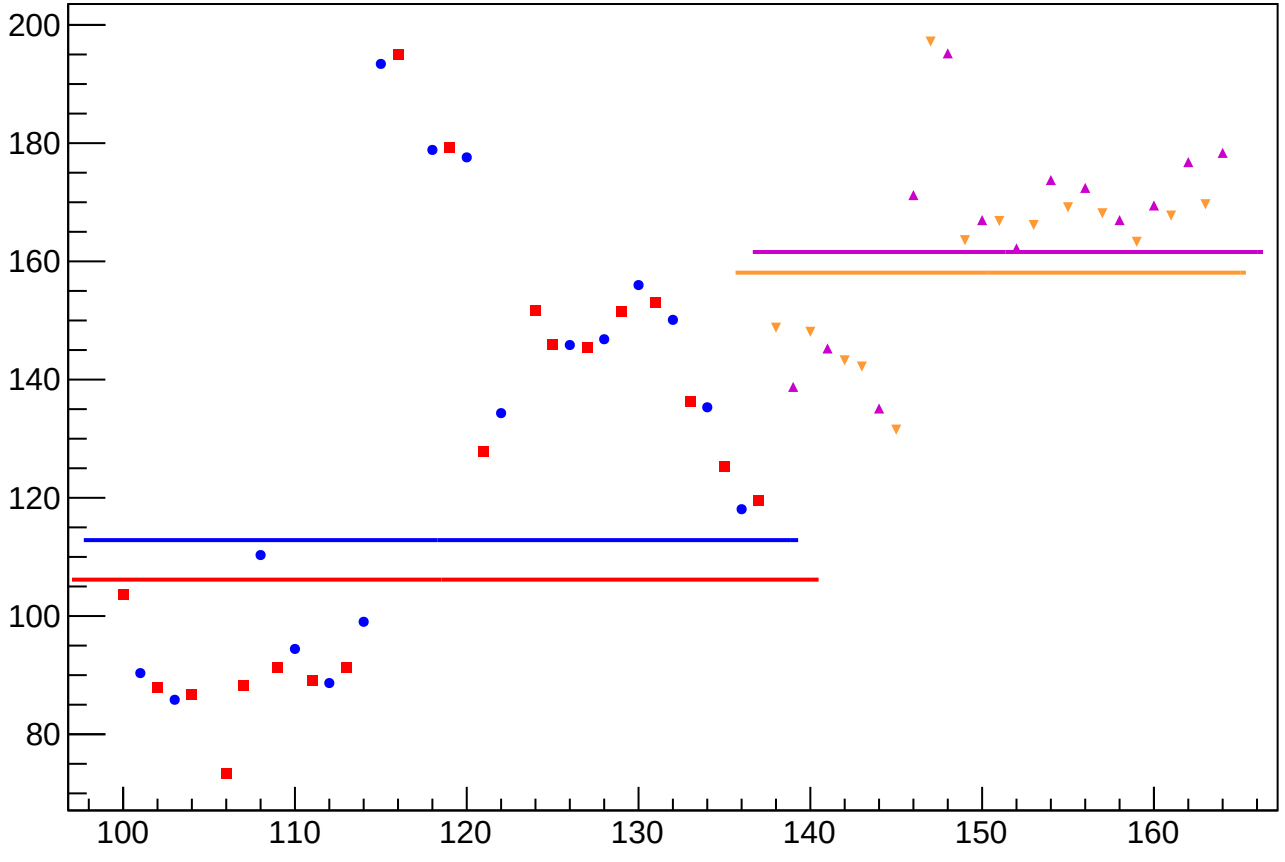
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 106.717+/-32.544 χ^2/NDF:32.2/28

Out: 113.412+/-30.828 χ^2/NDF:31.6/32

All: 110.246+/-22.381 χ^2/NDF: 63.9/61

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 158.091+/-0.034 χ^2/NDF:212938.6/13

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 161.585+/-0.035 χ^2/NDF:237281.4/12

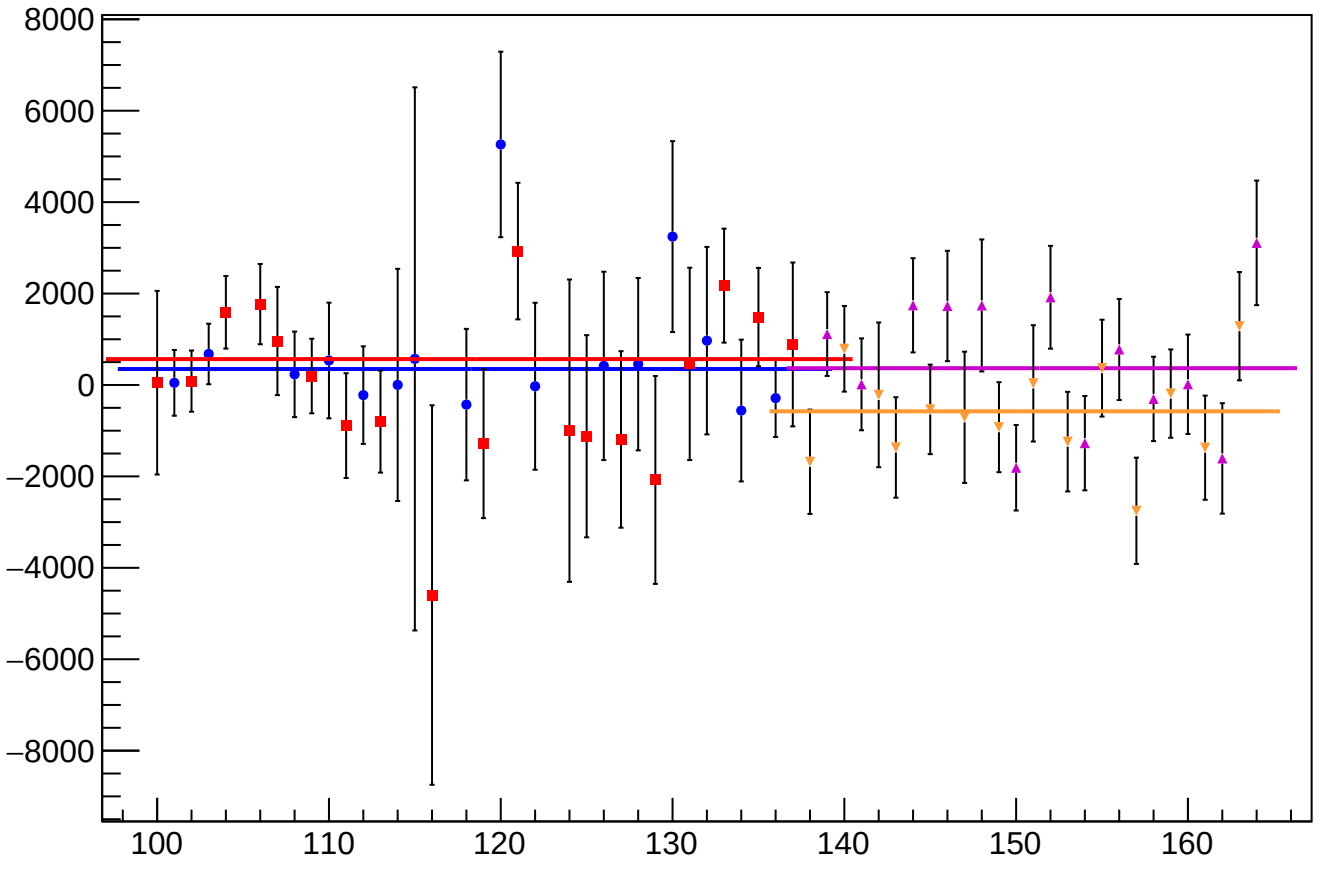
Left: 159.778+/-0.024 χ^2/NDF: 455452.2/26

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 134.226+/-0.023 χ^2/NDF:2214271.6/28

Out: 128.058+/-0.022 χ^2/NDF:2599159.9/32

All: 130.975+/-0.016 χ^2/NDF: 4851299.8/61



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -576.135+/-296.992 χ^2/NDF:11.8/13

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 367.181+/-298.547 χ^2/NDF:22.1/12

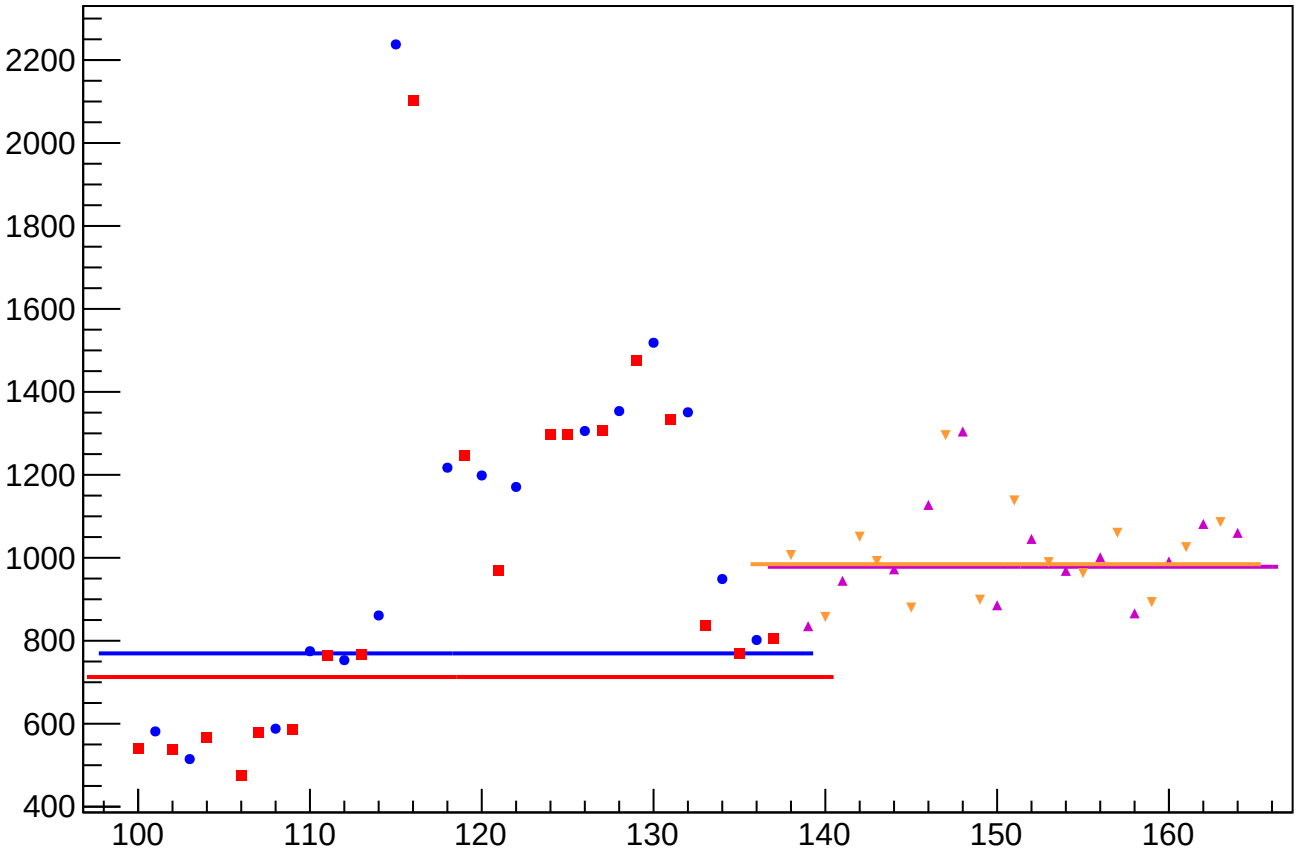
Left: -106.941+/-210.553 χ^2/NDF: 38.9/26

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 358.350+/-213.462 χ^2/NDF:31.9/28

Out: 30.142+/-203.430 χ^2/NDF:37.9/32

All: 186.353+/-147.266 χ^2/NDF: 71.1/61



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 984.611+/-0.210 χ^2/NDF:246619.8/13

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 978.405+/-0.211 χ^2/NDF:263236.3/12

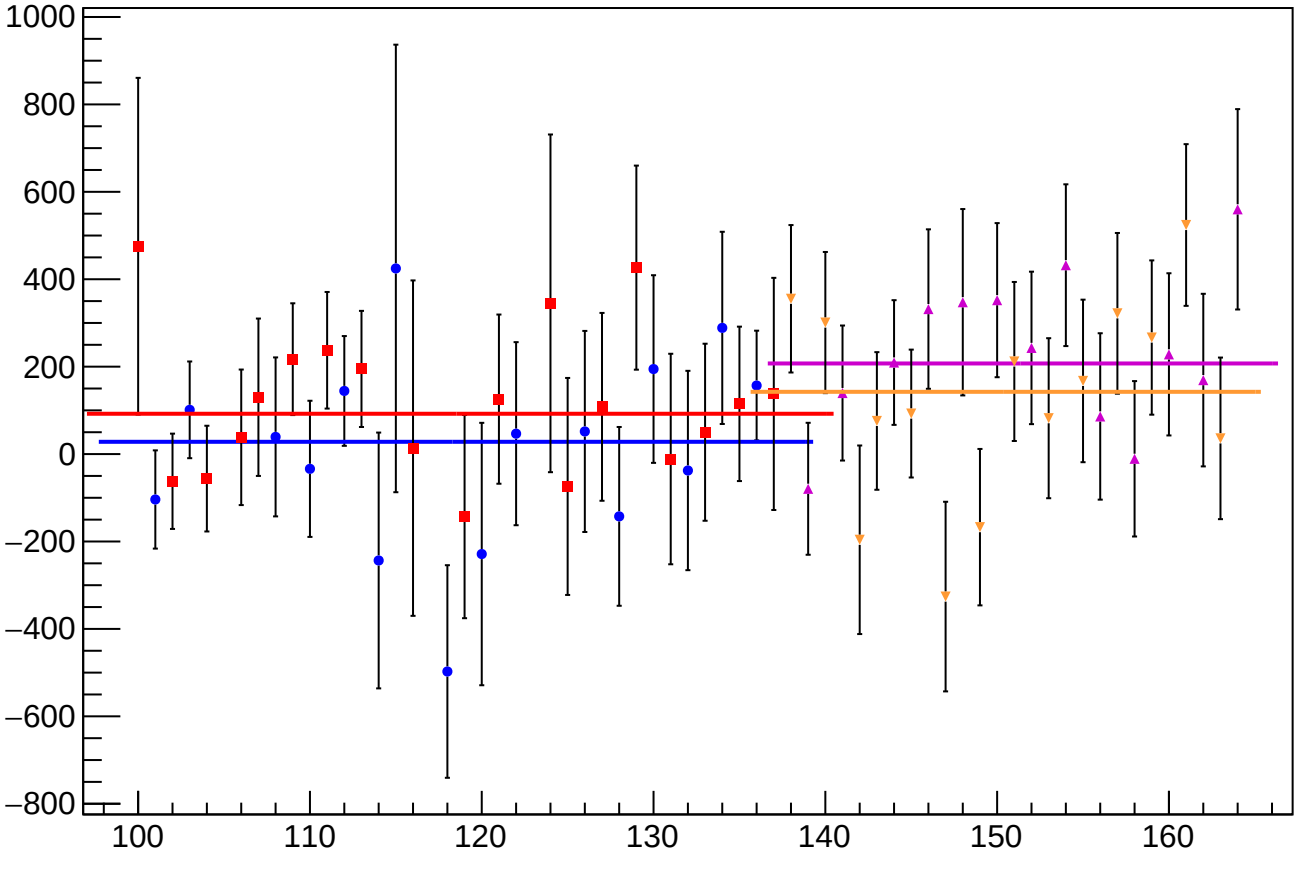
Left: 981.524+/-0.149 χ^2/NDF: 510290.4/26

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 876.326+/-0.151 χ^2/NDF:2481551.3/28

Out: 840.238+/-0.144 χ^2/NDF:2904208.6/32

All: 857.414+/-0.104 χ^2/NDF: 5415715.8/61



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 142.437+/-47.473 χ^2/NDF:19.3/13

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 207.311+/-49.134 χ^2/NDF:11.2/12

Left: 173.759+/-34.141 χ^2/NDF: 31.4/26

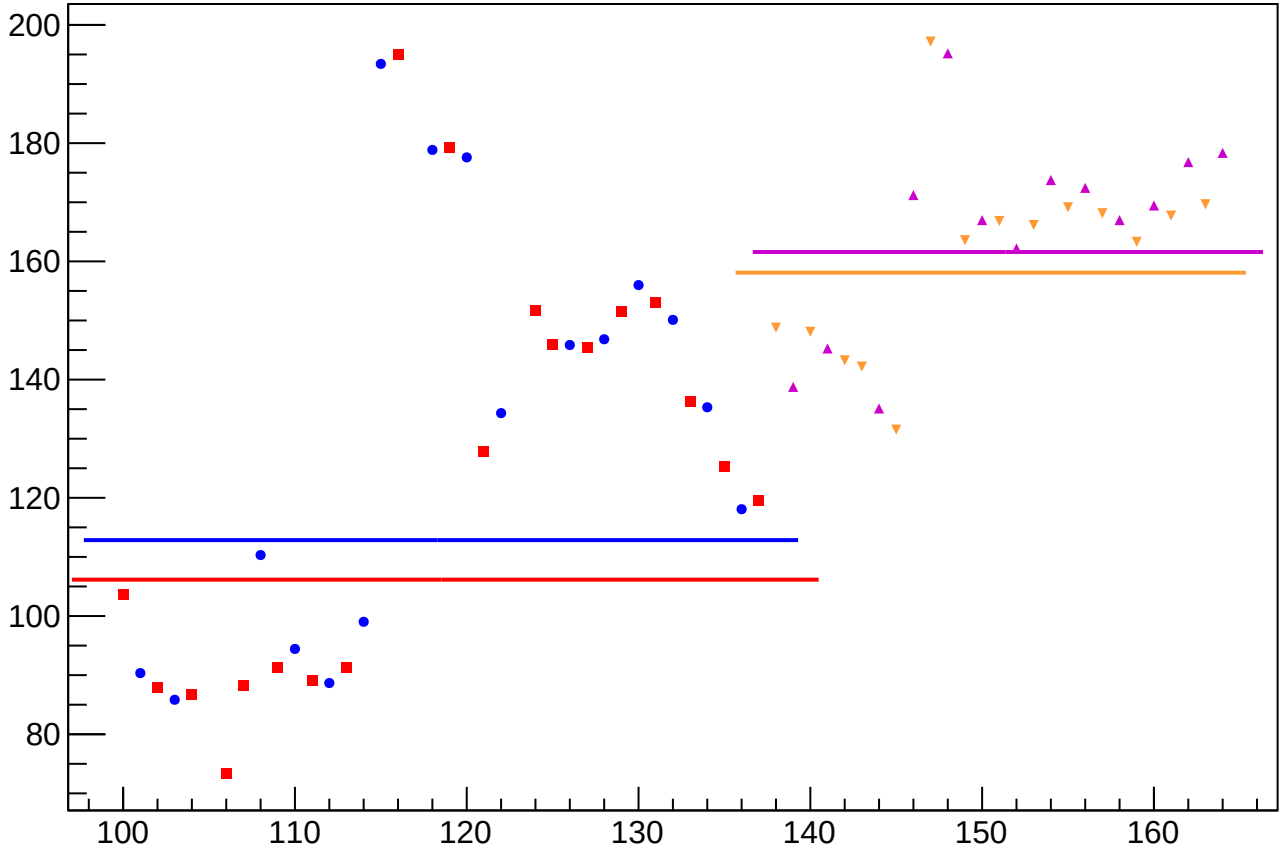
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 106.717+/-32.544 χ^2/NDF:32.2/28

Out: 113.412+/-30.828 χ^2/NDF:31.6/32

All: 110.246+/-22.381 χ^2/NDF: 63.9/61

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 158.091+/-0.034 χ^2/NDF:212938.9/13

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 161.586+/-0.035 χ^2/NDF:237276.6/12

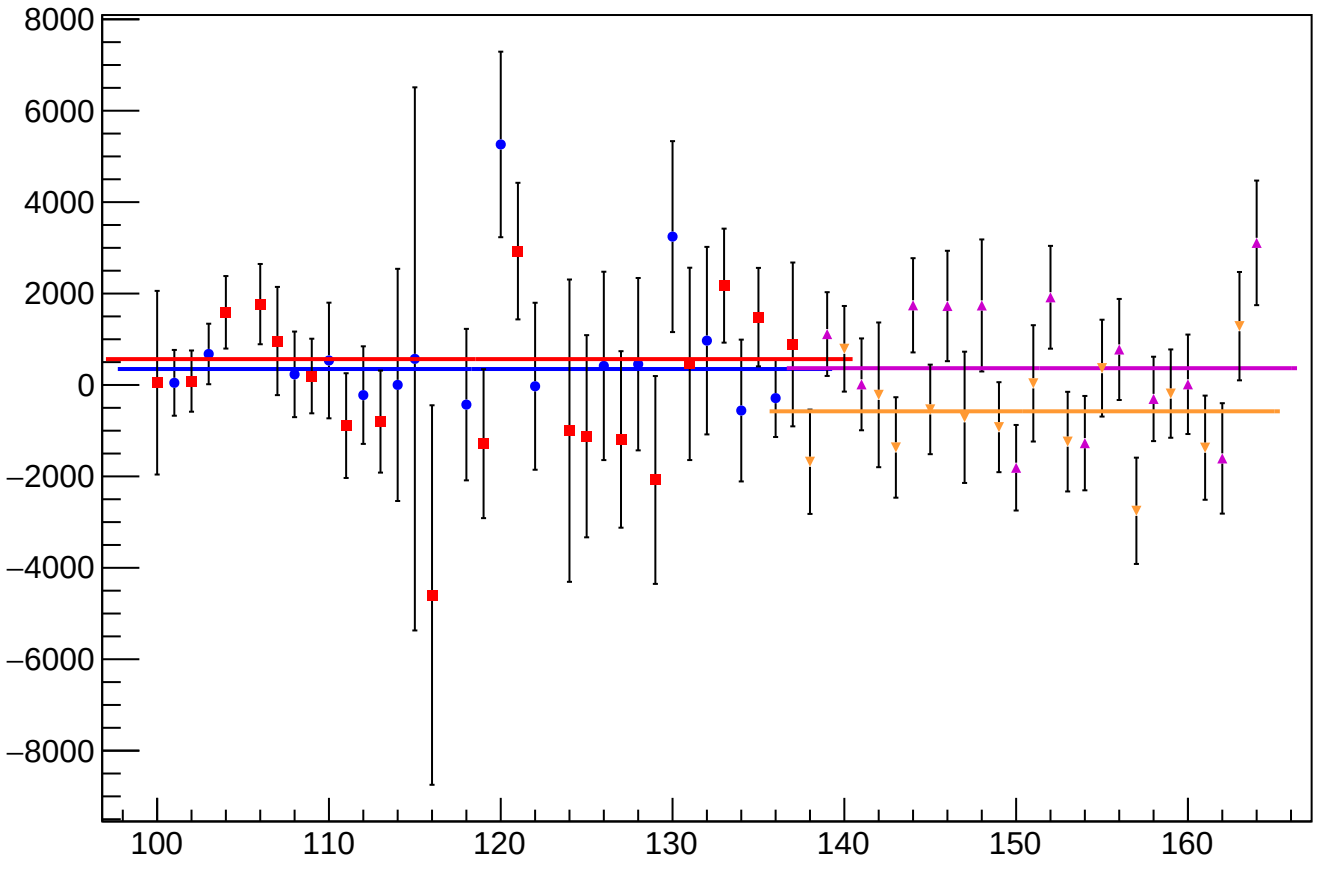
Left: 159.778+/-0.024 χ^2/NDF: 455448.1/26

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 134.226+/-0.023 χ^2/NDF:2214288.3/28

Out: 128.058+/-0.022 χ^2/NDF:2599170.2/32

All: 130.975+/-0.016 χ^2/NDF: 4851326.7/61



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -576.135+/-296.992 χ^2/NDF:11.8/13

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 367.182+/-298.547 χ^2/NDF:22.1/12

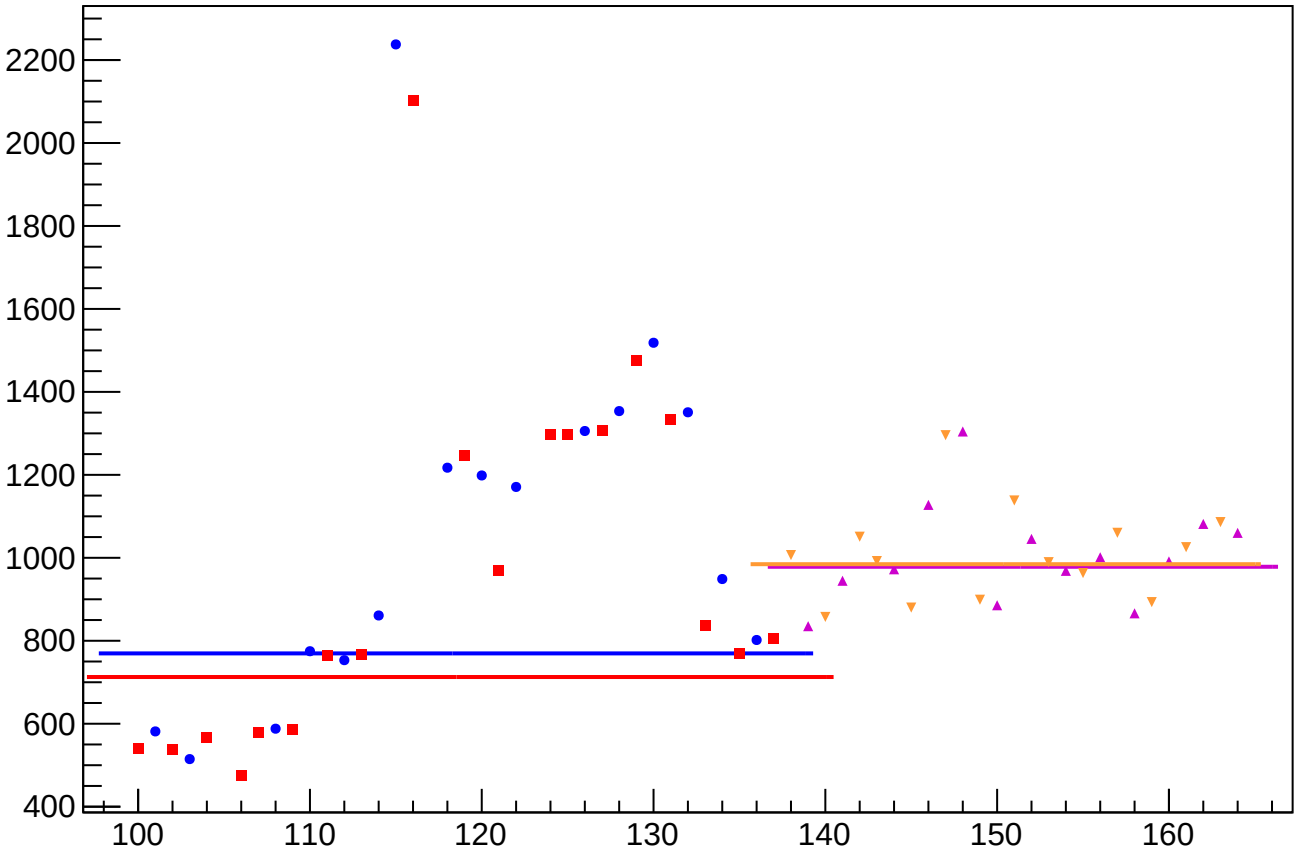
Left: -106.940+/-210.553 χ^2/NDF: 38.9/26

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 358.349+/-213.462 χ^2/NDF:31.9/28

Out: 30.144+/-203.430 χ^2/NDF:37.9/32

All: 186.354+/-147.266 χ^2/NDF: 71.1/61



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 984.612+/-0.210 χ^2/NDF:246620.1/13

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 978.407+/-0.211 χ^2/NDF:263235.8/12

Left: 981.526+/-0.149 χ^2/NDF: 510290.2/26

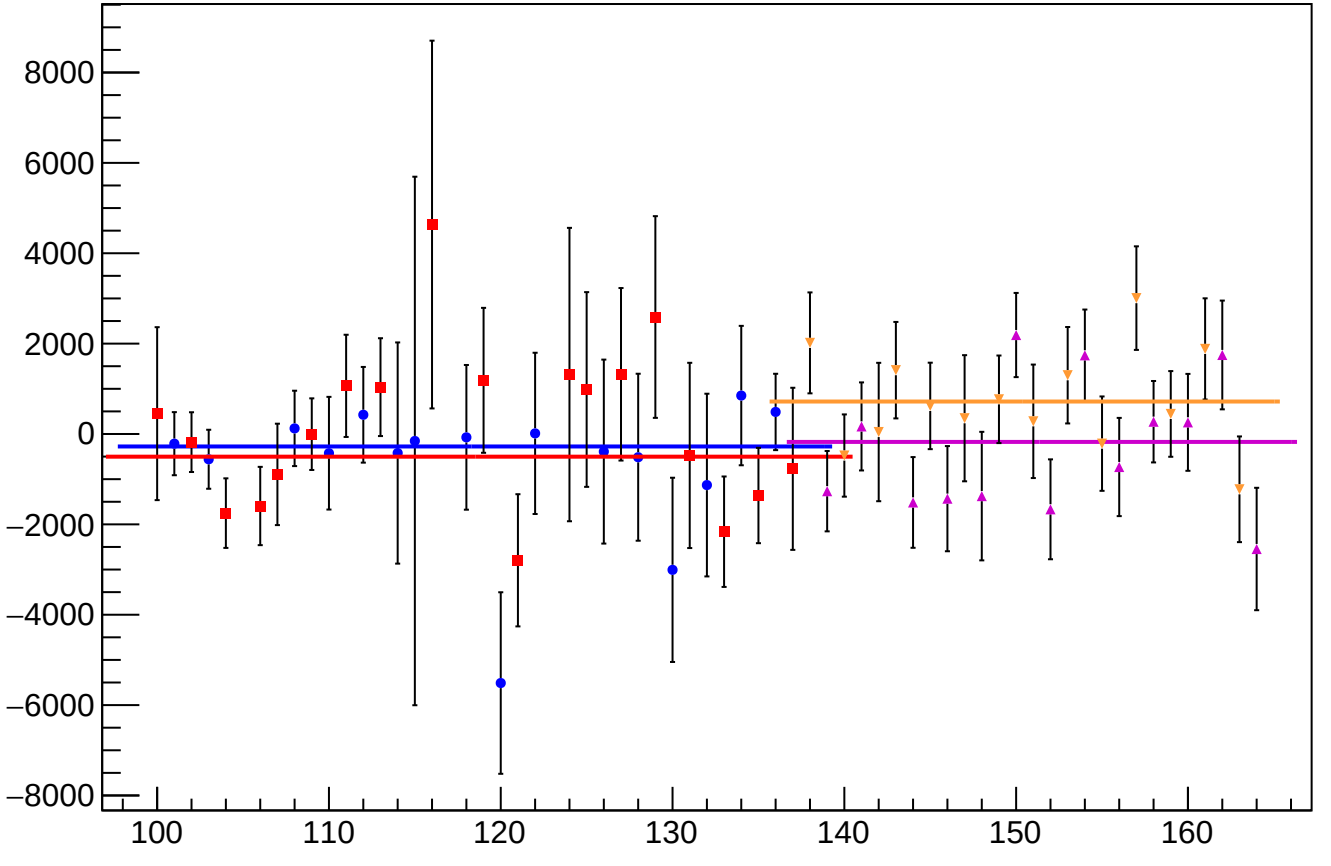
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 876.326+/-0.151 χ^2/NDF:2481559.4/28

Out: 840.238+/-0.144 χ^2/NDF:2904219.0/32

All: 857.414+/-0.104 χ^2/NDF: 5415734.4/61

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 718.484+/-290.922 χ^2/NDF:12.9/13

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -175.469+/-292.723 χ^2/NDF:23.4/12

Left: 274.265+/-206.347 χ^2/NDF: 41.0/26

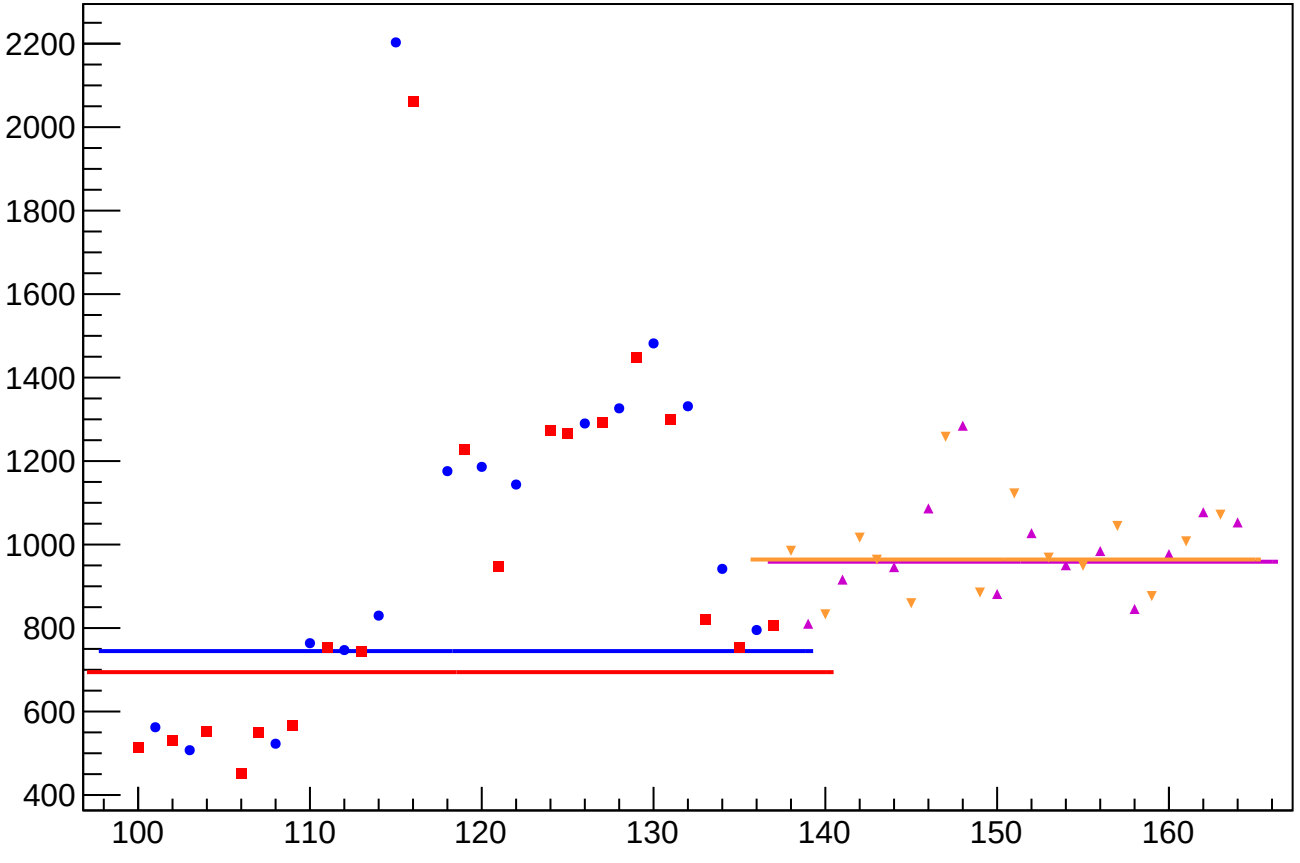
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -225.153+/-208.381 χ^2/NDF:34.5/28

Out: 69.479+/-199.071 χ^2/NDF:42.7/32

All: -71.108+/-143.943 χ^2/NDF: 78.3/61

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 964.157+/-0.206 χ^2/NDF:249800.0/13

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 958.885+/-0.207 χ^2/NDF:272981.0/12

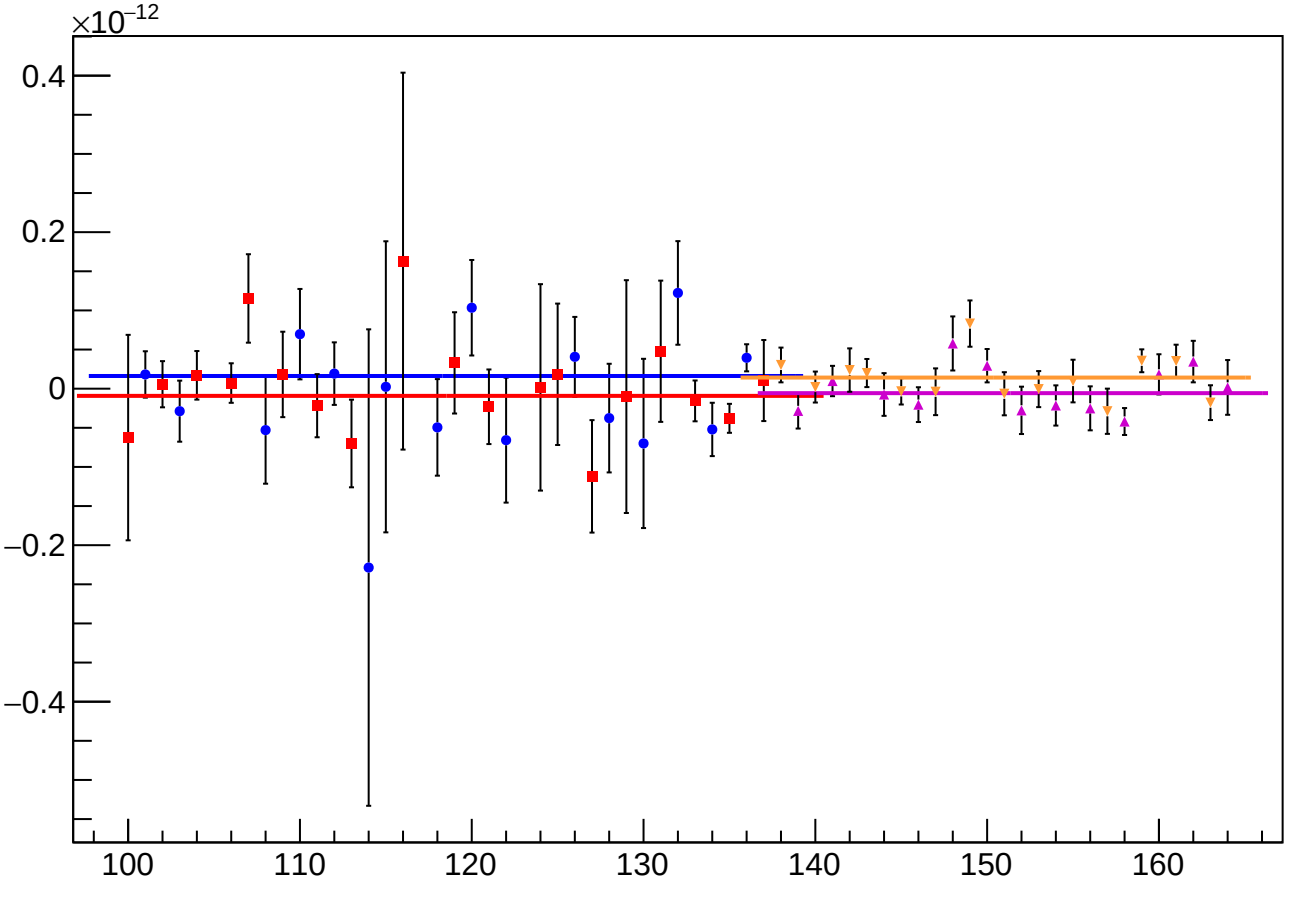
Left: 961.537+/-0.146 χ^2/NDF: 523107.4/26

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 853.281+/-0.147 χ^2/NDF:2623270.4/28

Out: 820.682+/-0.141 χ^2/NDF:2968303.4/32

All: 836.237+/-0.102 χ^2/NDF: 5617166.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:17.2/12

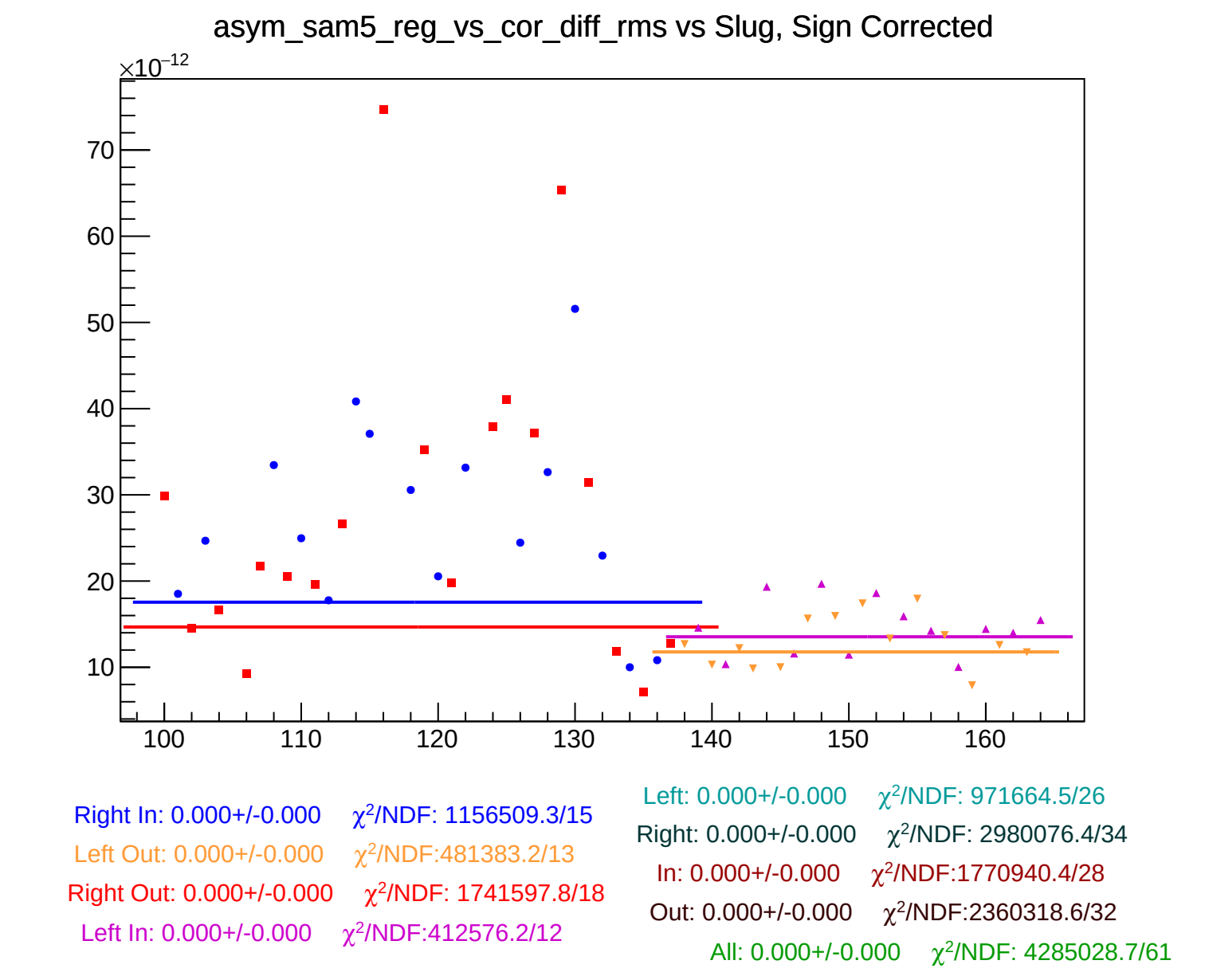
Left: 0.000+/-0.000 χ^2/NDF: 38.7/26

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:38.2/28

Out: 0.000+/-0.000 χ^2/NDF:35.1/32

All: 0.000+/-0.000 χ^2/NDF: 74.2/61


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
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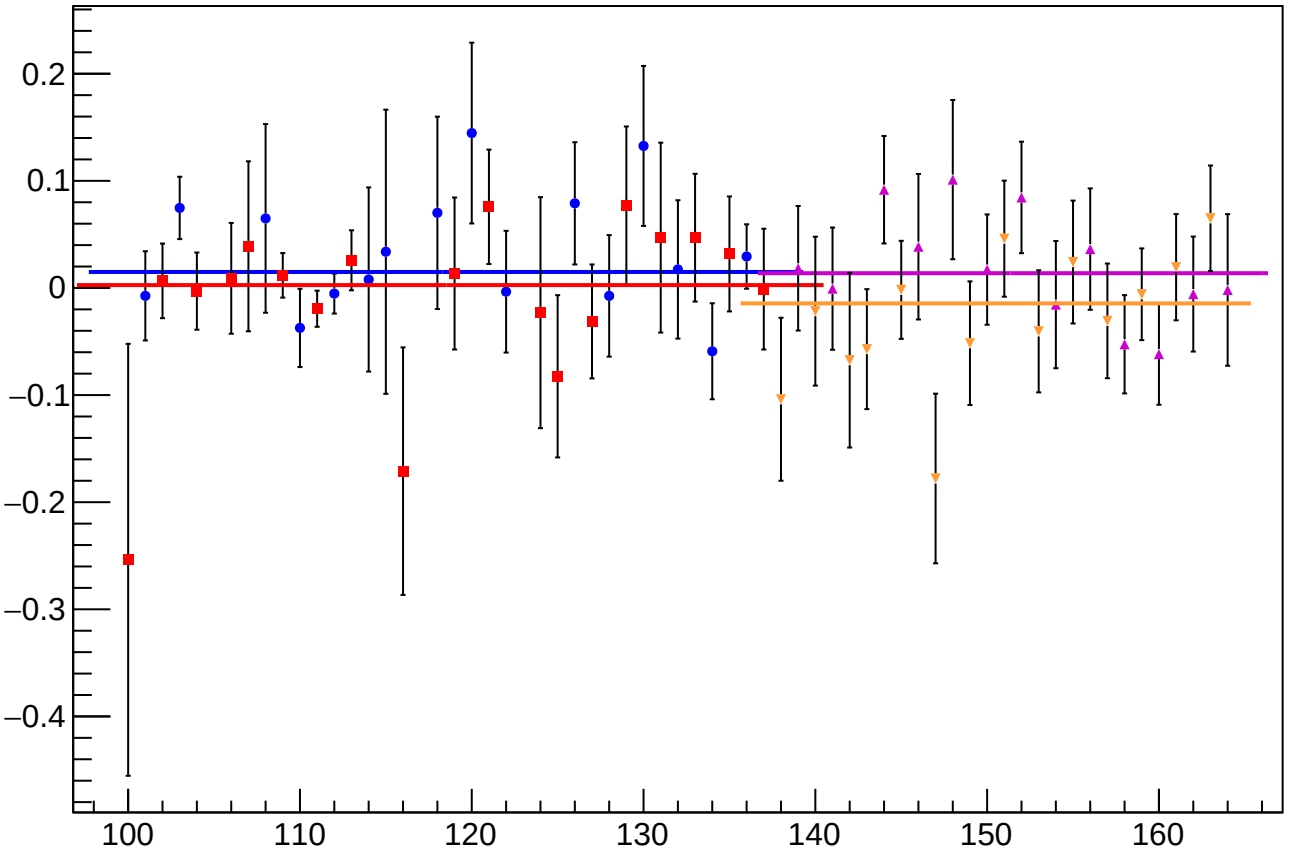
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:481383.2/13
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:412576.2/12
Left: 0.000+/-0.000 χ²/NDF: 971664.5/26
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1770940.4/28
Out: 0.000+/-0.000 χ²/NDF:2360318.6/32
All: 0.000+/-0.000 χ²/NDF: 4285028.7/61



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.3/13

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.014+/-0.015 χ^2/NDF:11.1/12

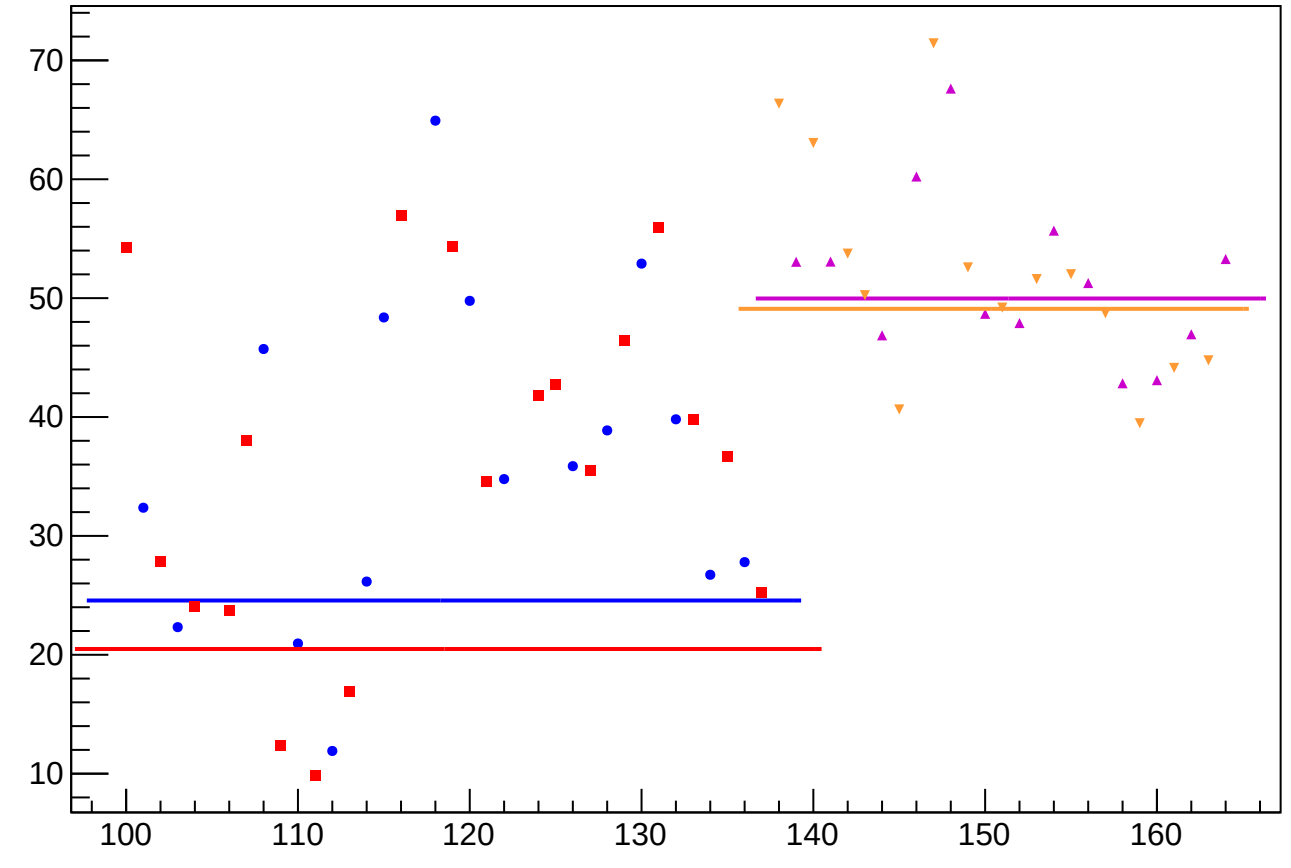
Left: -0.001+/-0.011 χ^2/NDF: 25.0/26

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.8/28

Out: -0.002+/-0.008 χ^2/NDF:25.7/32

All: 0.005+/-0.006 χ^2/NDF: 56.5/61



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.101+/-0.011 χ^2/NDF:571215.8/13

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 49.969+/-0.011 χ^2/NDF:302769.7/12

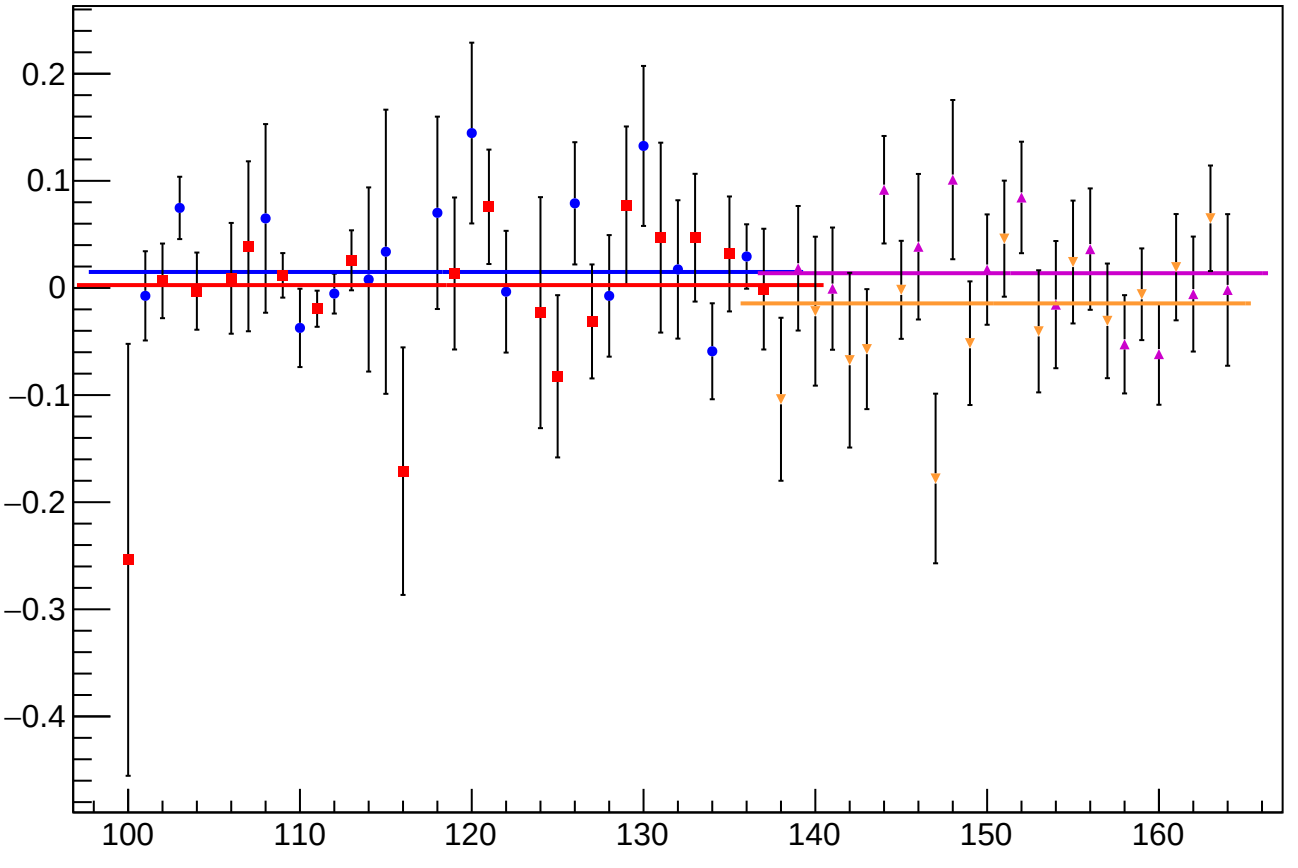
Left: 49.523+/-0.008 χ^2/NDF: 877249.0/26

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 32.707+/-0.006 χ^2/NDF:6477278.0/28

Out: 28.351+/-0.006 χ^2/NDF:9441211.3/32

All: 30.301+/-0.004 χ^2/NDF: 16193737.6/61



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.3/13

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.014+/-0.015 χ^2/NDF:11.1/12

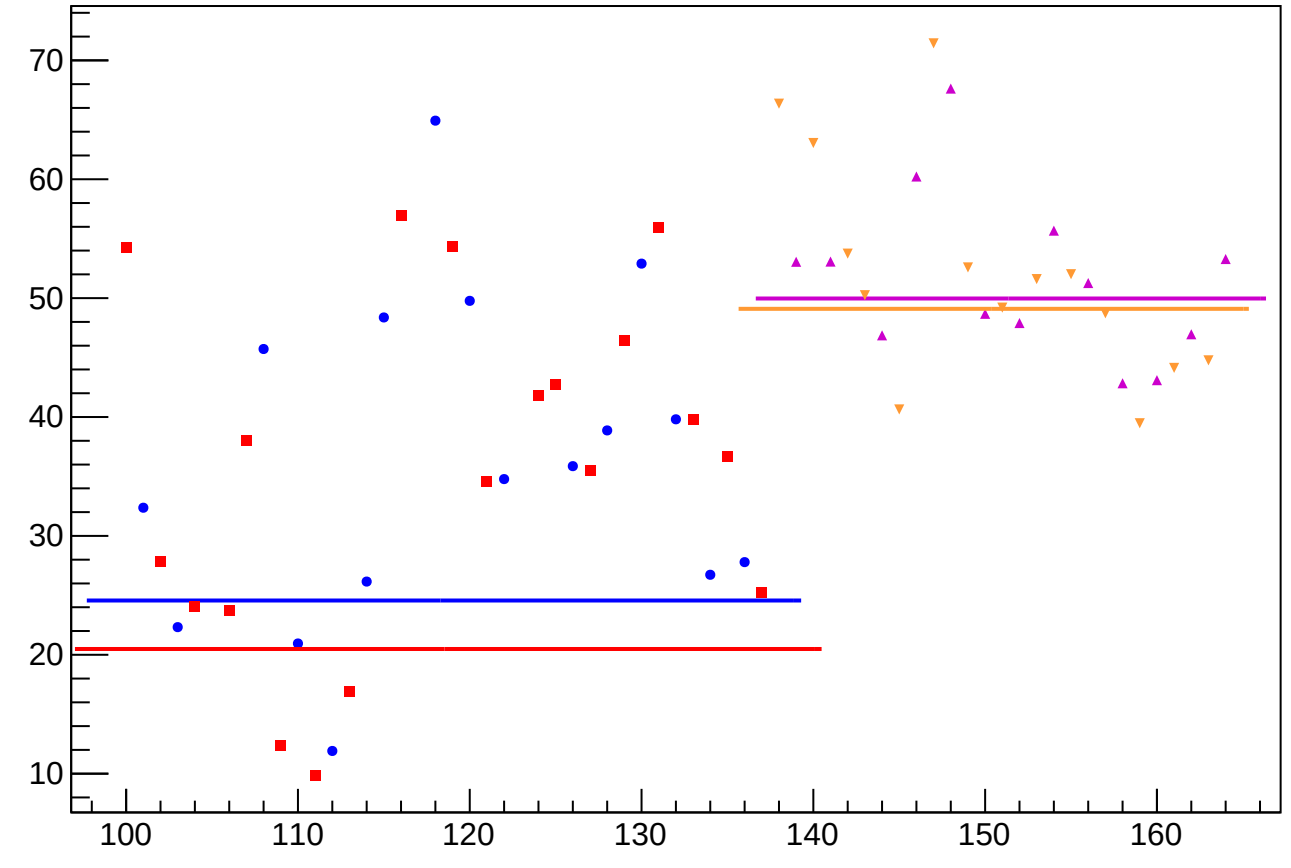
Left: -0.001+/-0.011 χ^2/NDF: 25.0/26

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.8/28

Out: -0.002+/-0.008 χ^2/NDF:25.7/32

All: 0.005+/-0.006 χ^2/NDF: 56.5/61



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.101+/-0.011 χ^2/NDF:571215.8/13

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 49.969+/-0.011 χ^2/NDF:302769.7/12

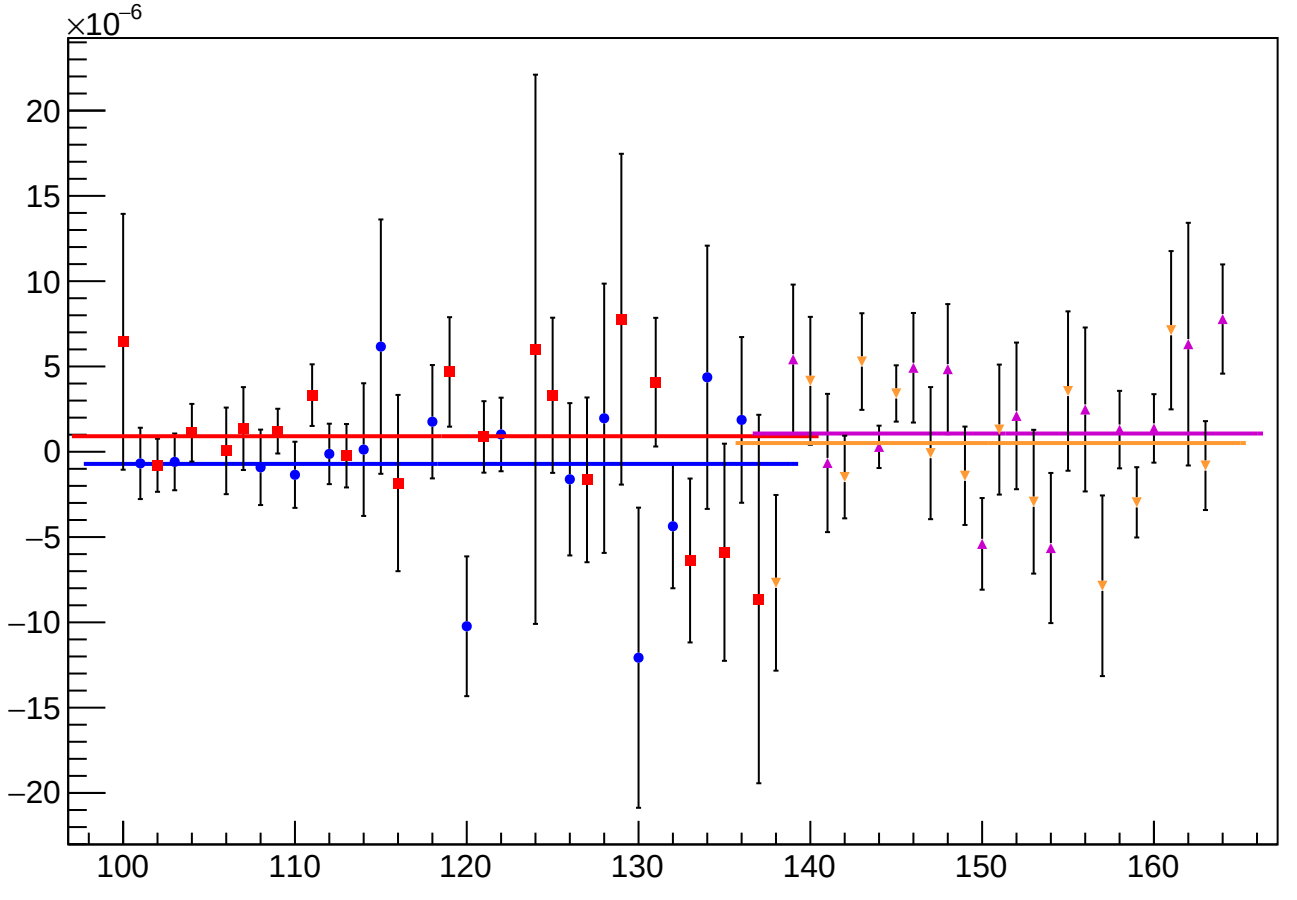
Left: 49.523+/-0.008 χ^2/NDF: 877249.0/26

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 32.707+/-0.006 χ^2/NDF:6477278.0/28

Out: 28.351+/-0.006 χ^2/NDF:9441211.3/32

All: 30.301+/-0.004 χ^2/NDF: 16193737.6/61



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.2/12

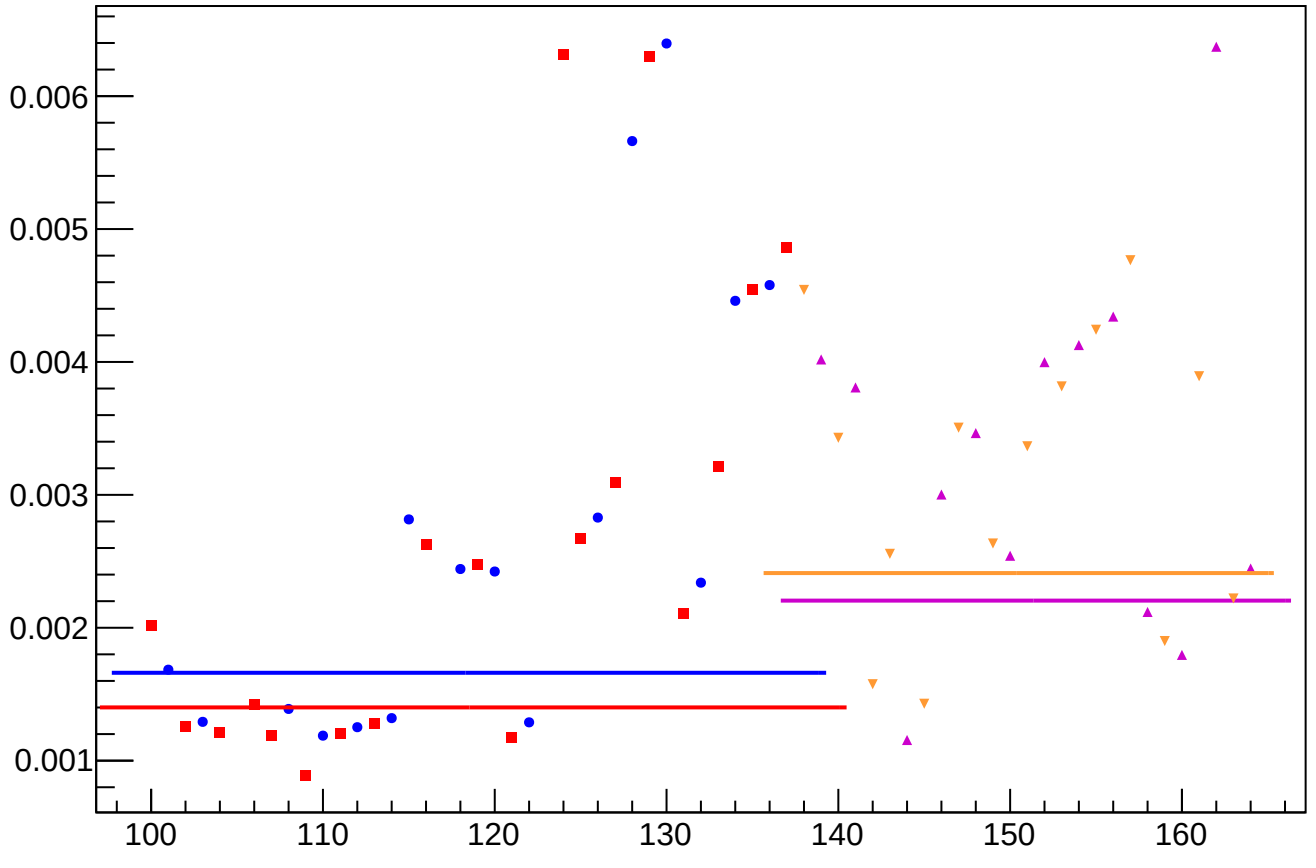
Left: 0.000+/-0.000 χ^2/NDF: 36.8/26

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: 0.000+/-0.000 χ^2/NDF:31.5/28

Out: 0.000+/-0.000 χ^2/NDF:31.4/32

All: 0.000+/-0.000 χ^2/NDF: 63.7/61



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3002485.2/13

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:4367119.3/12

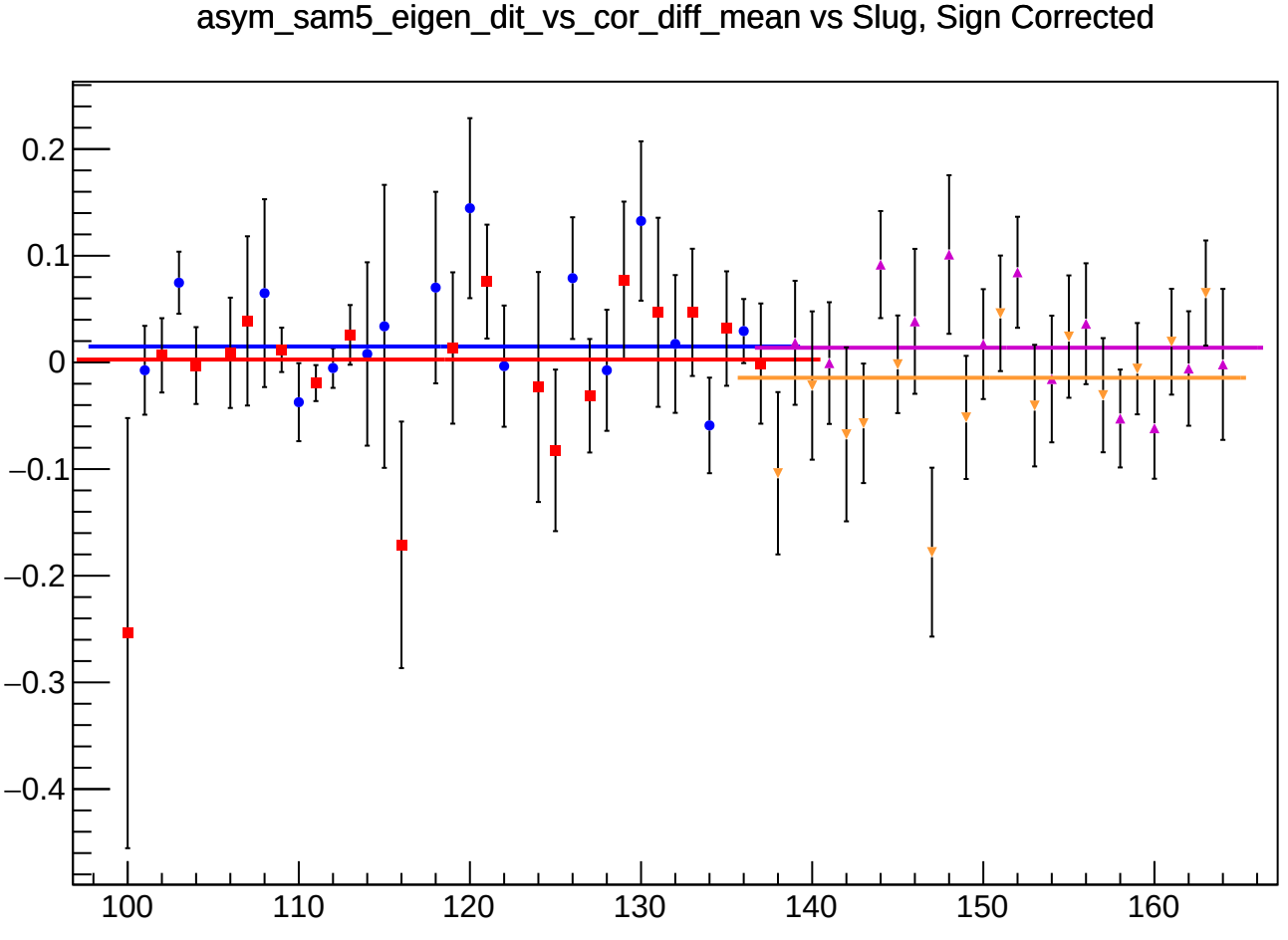
Left: 0.002+/-0.000 χ^2/NDF: 7441710.9/26

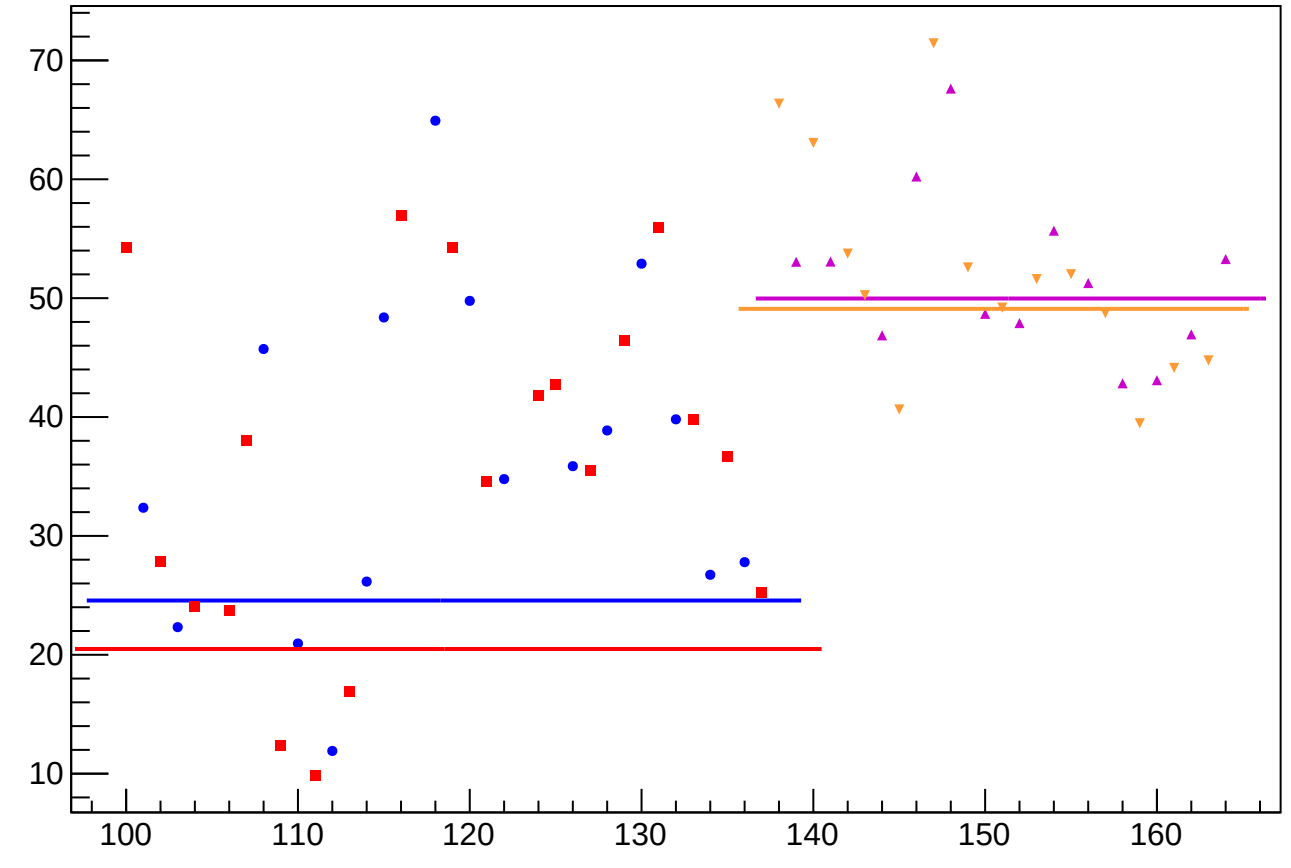
Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:7869285.7/28

Out: 0.002+/-0.000 χ^2/NDF:8019560.9/32

All: 0.002+/-0.000 χ^2/NDF: 15987051.1/61


asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.014+/-0.015 χ²/NDF:12.3/13
Right Out: 0.003+/-0.009 χ²/NDF: 12.5/18
Left In: 0.014+/-0.015 χ²/NDF:11.1/12
Left: -0.001+/-0.011 χ²/NDF: 25.0/26
Right: 0.008+/-0.007 χ²/NDF: 31.0/34
In: 0.015+/-0.009 χ²/NDF:28.8/28
Out: -0.002+/-0.008 χ²/NDF:25.7/32
All: 0.005+/-0.006 χ²/NDF: 56.5/61



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.101+/-0.011 χ^2/NDF:571335.5/13

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 49.969+/-0.011 χ^2/NDF:302870.9/12

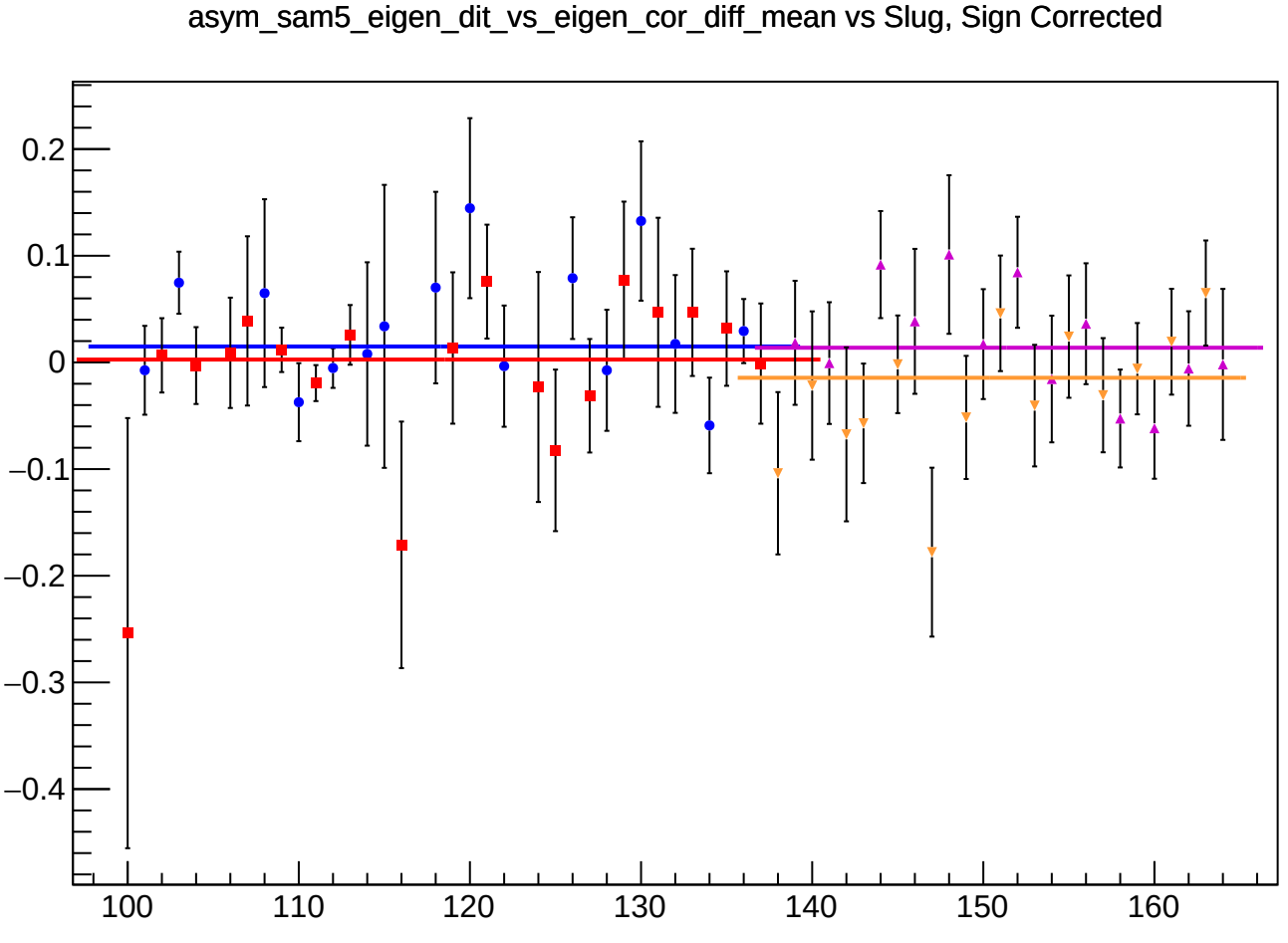
Left: 49.523+/-0.008 χ^2/NDF: 877469.8/26

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 32.706+/-0.006 χ^2/NDF:6477453.9/28

Out: 28.350+/-0.006 χ^2/NDF:9441512.9/32

All: 30.300+/-0.004 χ^2/NDF: 16194229.5/61



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.3/13

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.014+/-0.015 χ^2/NDF:11.1/12

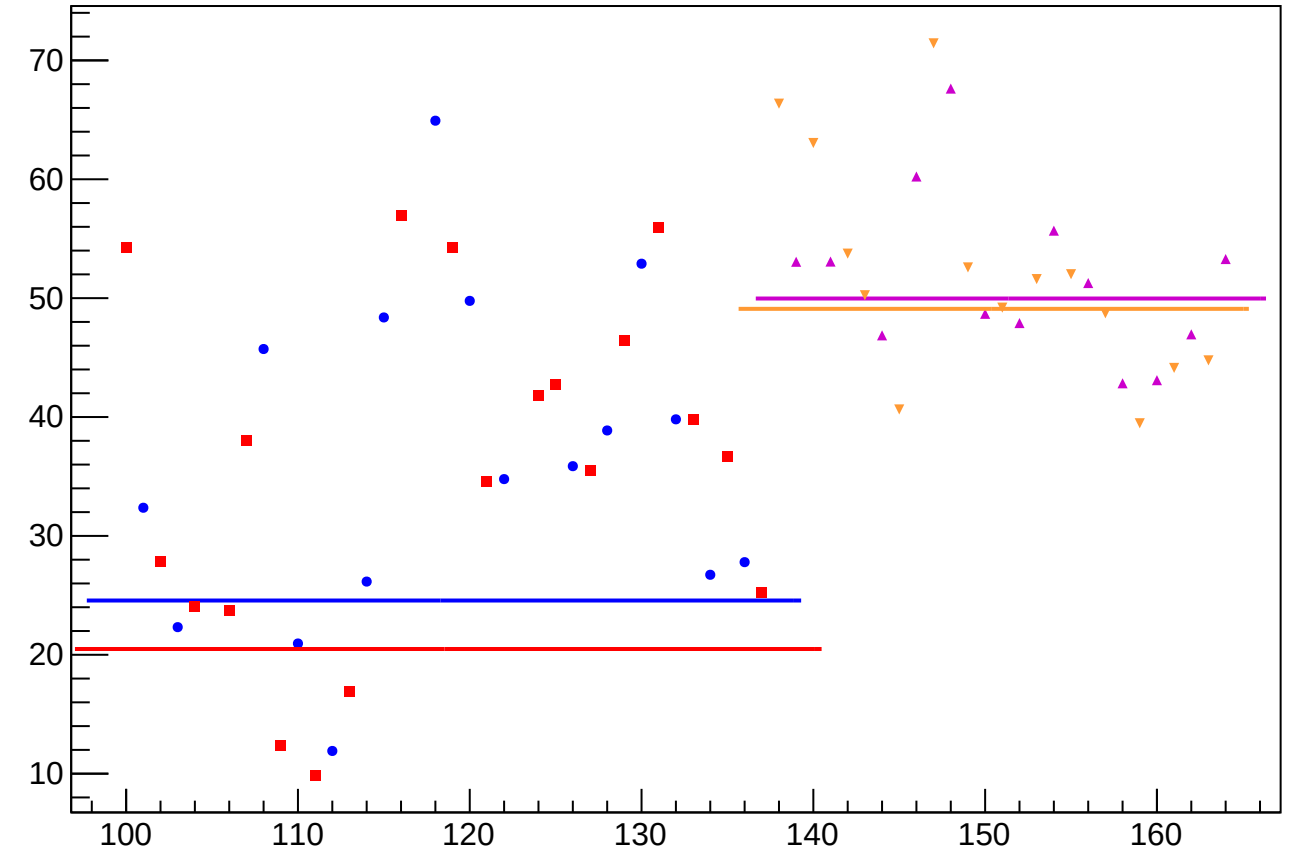
Left: -0.001+/-0.011 χ^2/NDF: 25.0/26

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.8/28

Out: -0.002+/-0.008 χ^2/NDF:25.7/32

All: 0.005+/-0.006 χ^2/NDF: 56.5/61



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.101+/-0.011 χ^2/NDF:571335.5/13

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 49.969+/-0.011 χ^2/NDF:302870.9/12

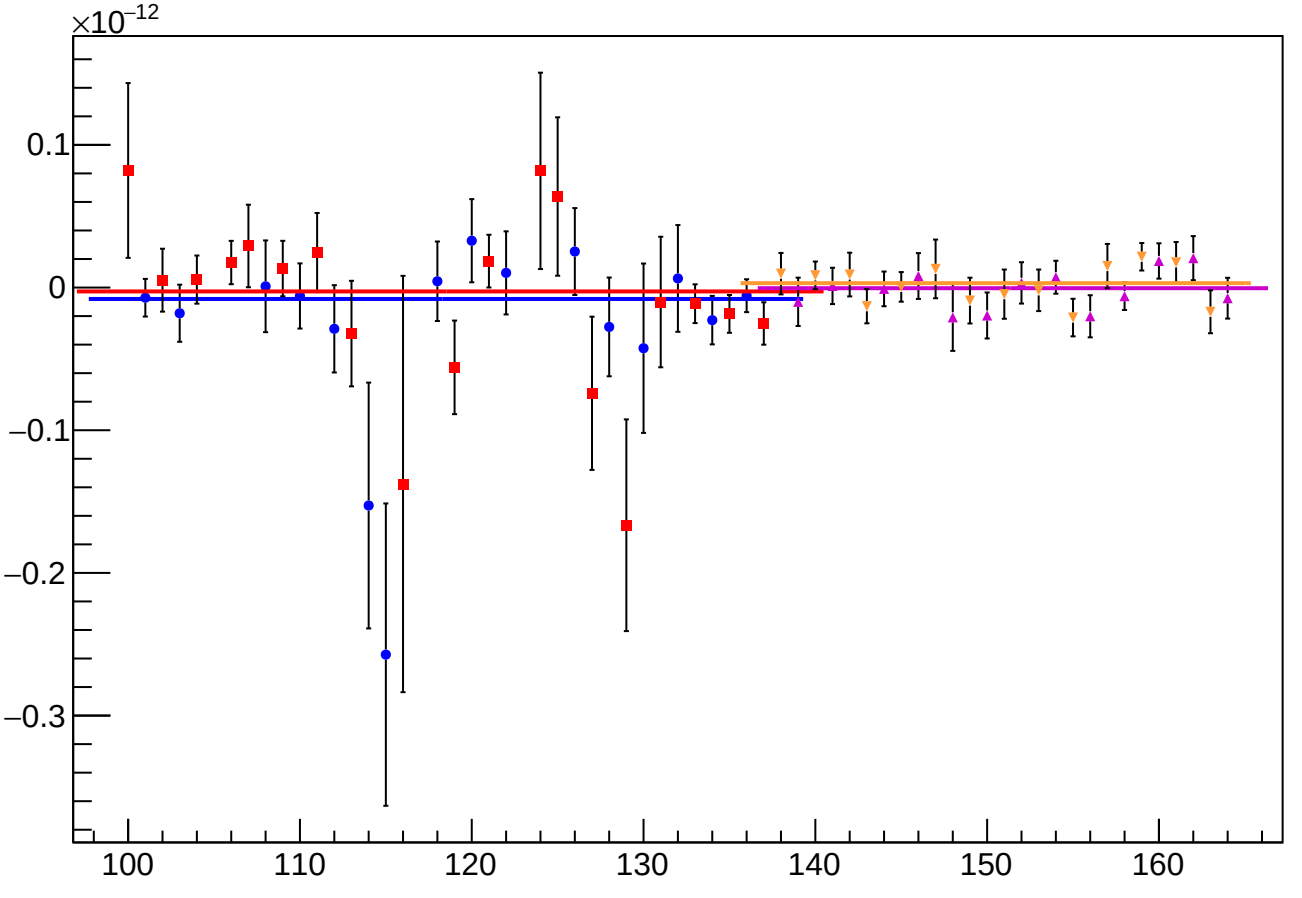
Left: 49.523+/-0.008 χ^2/NDF: 877469.8/26

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 32.706+/-0.006 χ^2/NDF:6477453.9/28

Out: 28.350+/-0.006 χ^2/NDF:9441512.9/32

All: 30.300+/-0.004 χ^2/NDF: 16194229.5/61



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/12

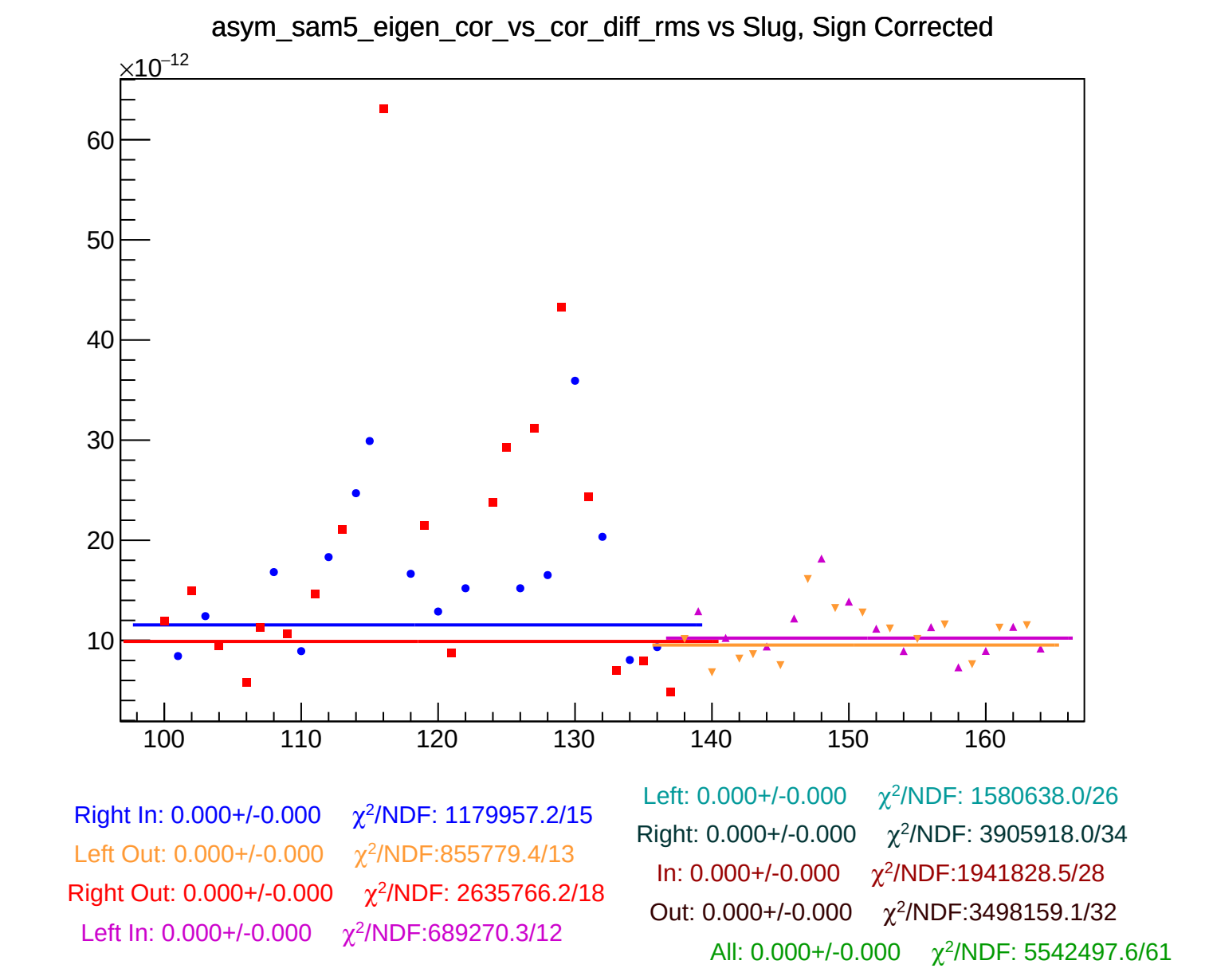
Left: 0.000+/-0.000 χ^2/NDF: 24.5/26

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:25.6/28

Out: 0.000+/-0.000 χ^2/NDF:41.1/32

All: -0.000+/-0.000 χ^2/NDF: 67.5/61


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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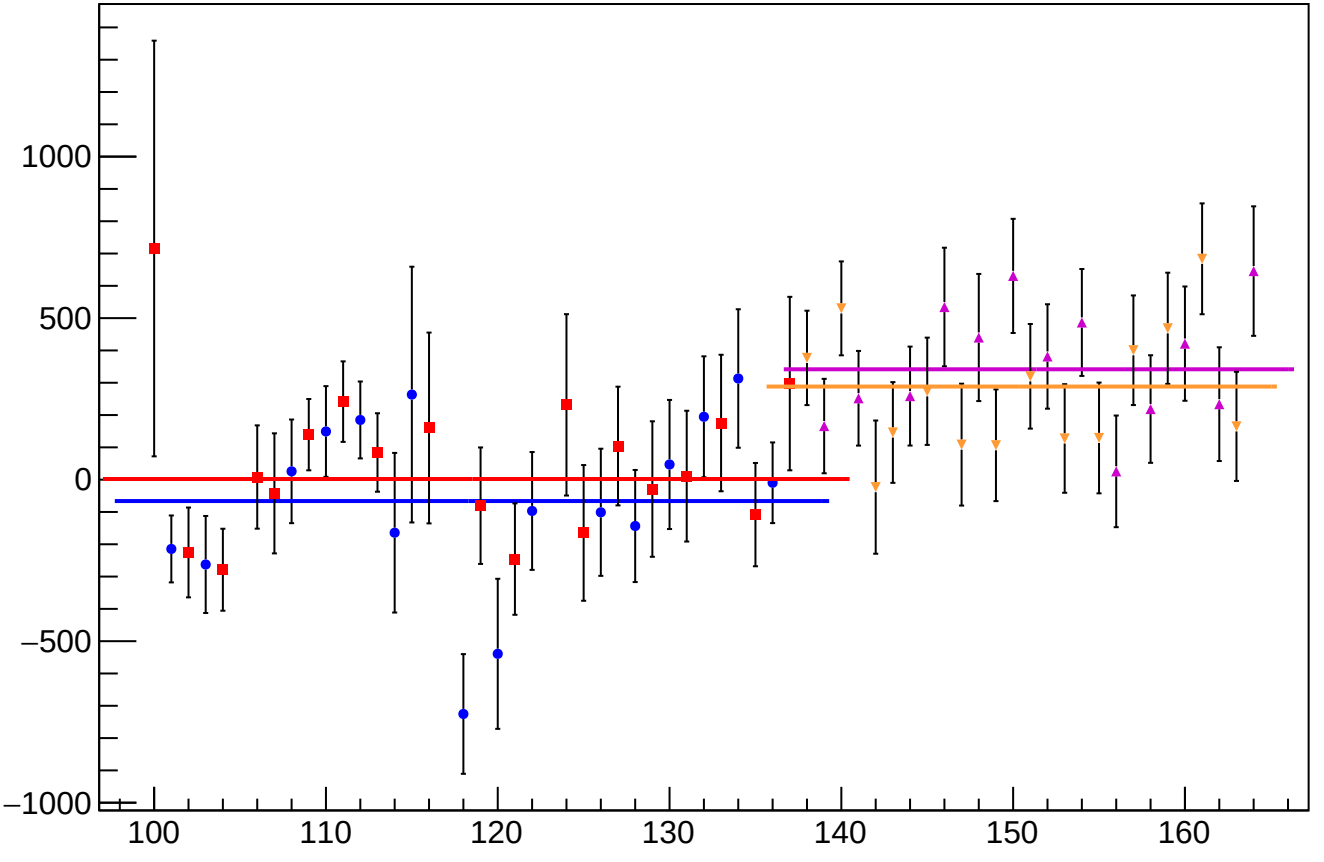
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:855779.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:689270.3/12
Left: 0.000+/-0.000 χ²/NDF: 1580638.0/26
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1941828.5/28
Out: 0.000+/-0.000 χ²/NDF:3498159.1/32
All: 0.000+/-0.000 χ²/NDF: 5542497.6/61

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.199+/-44.646 χ^2/NDF:17.5/13

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 341.647+/-46.781 χ^2/NDF:13.7/12

Left: 313.676+/-32.298 χ^2/NDF: 31.9/26

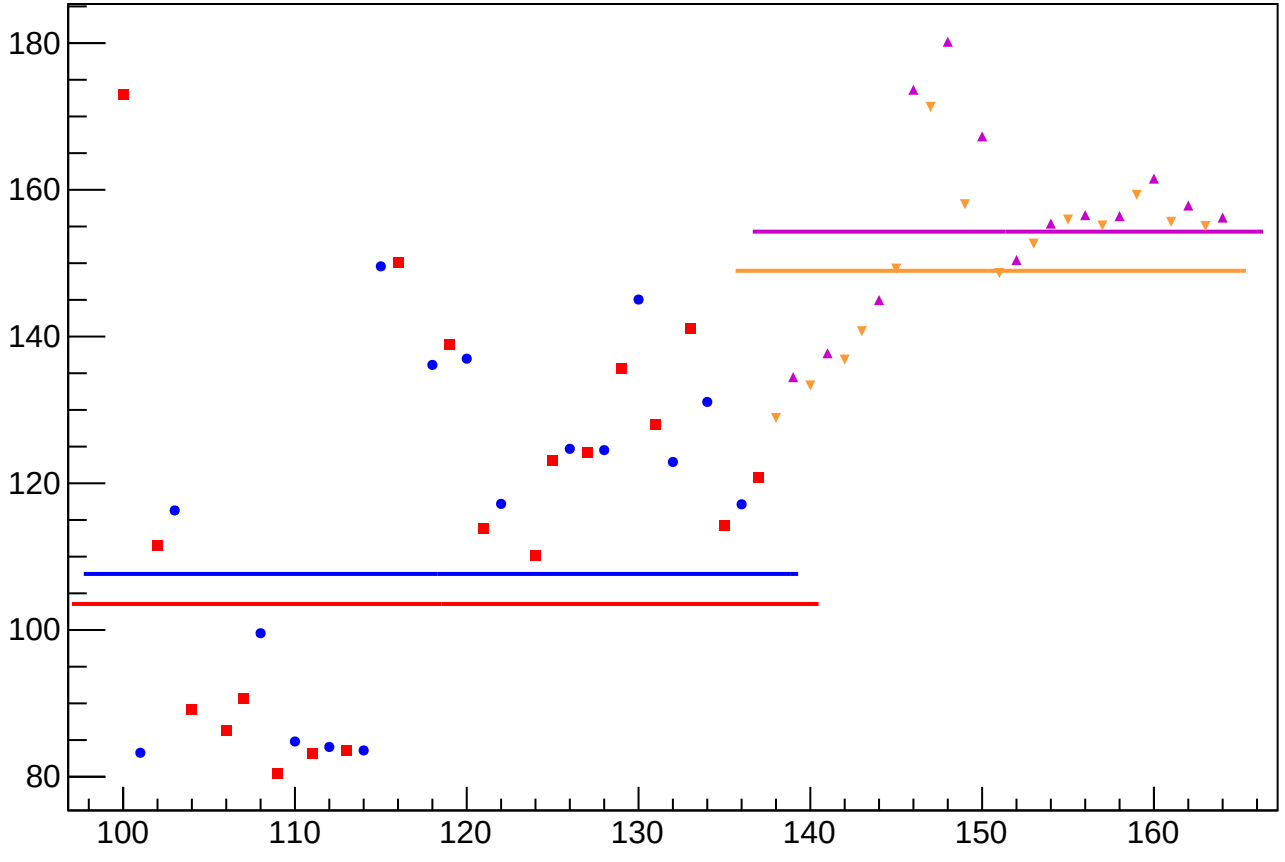
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 110.657+/-30.807 χ^2/NDF:91.2/28

Out: 125.397+/-29.315 χ^2/NDF:62.0/32

All: 118.393+/-21.237 χ^2/NDF: 153.3/61

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 148.963+/-0.032 χ^2/NDF:126627.9/13

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 154.299+/-0.033 χ^2/NDF:143654.8/12

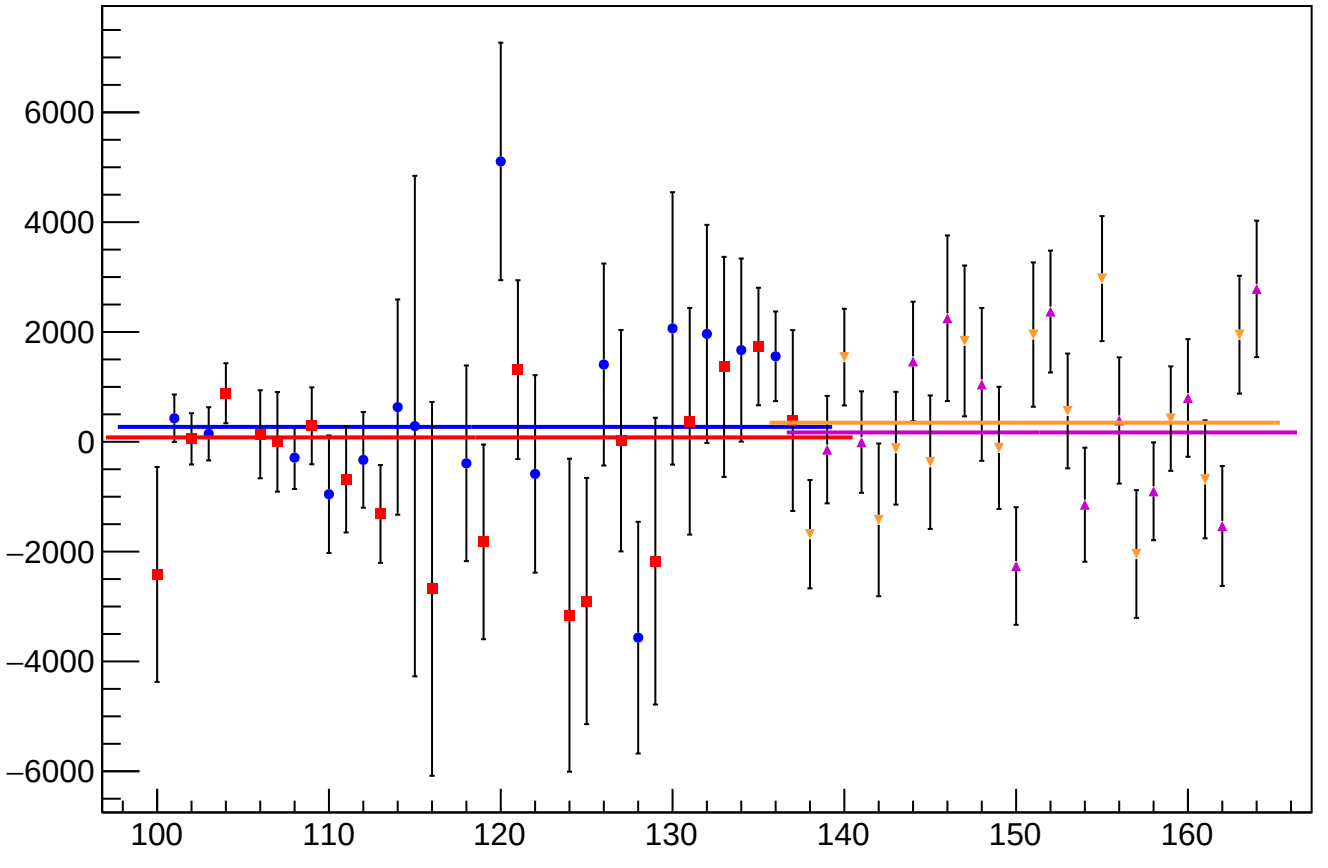
Left: 151.507+/-0.023 χ^2/NDF: 283901.4/26

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 127.877+/-0.022 χ^2/NDF:1803056.3/28

Out: 123.129+/-0.021 χ^2/NDF:1921178.0/32

All: 125.385+/-0.015 χ^2/NDF: 3749174.6/61



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 347.957+/-293.077 χ^2/NDF:23.8/13

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 170.429+/-301.468 χ^2/NDF:23.2/12

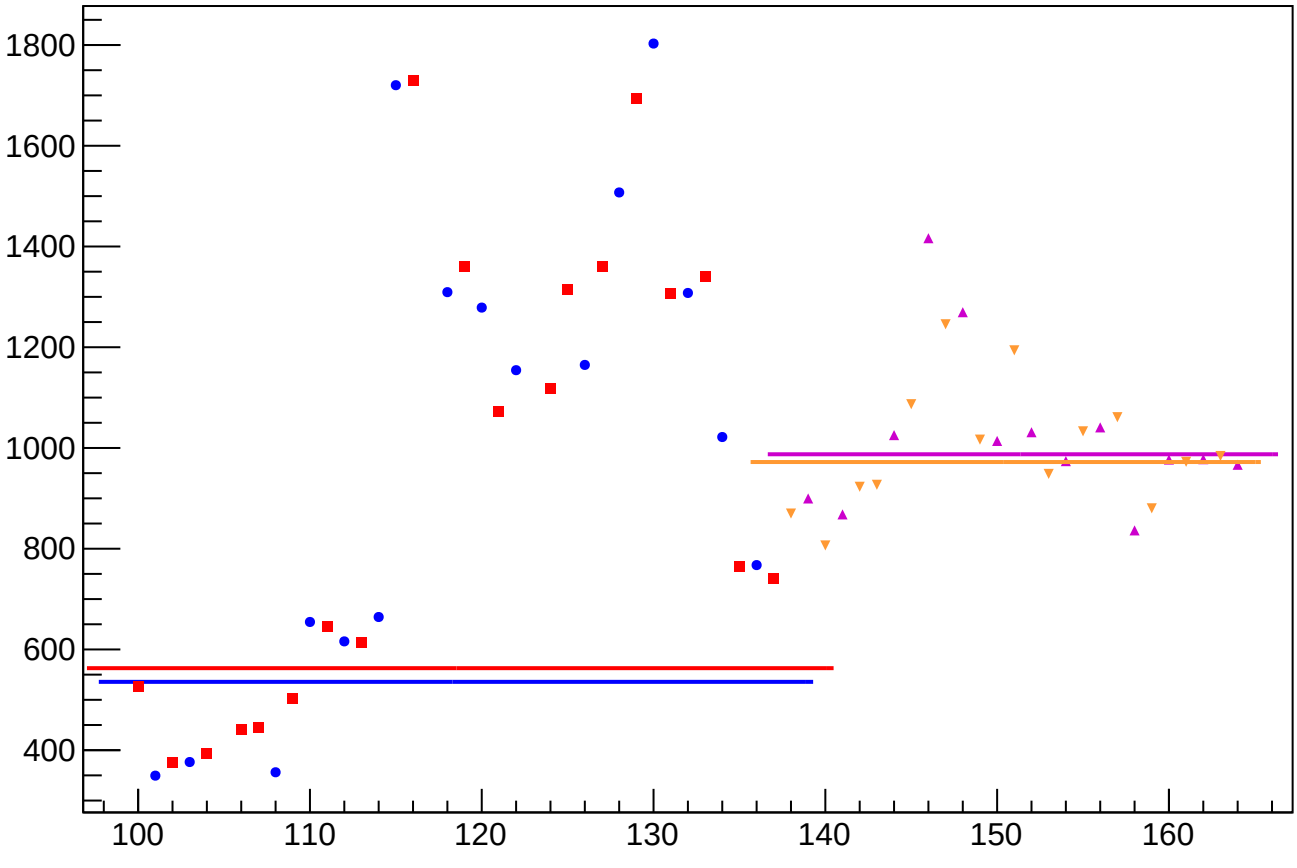
Left: 261.698+/-210.141 χ^2/NDF: 47.2/26

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 234.182+/-183.191 χ^2/NDF:39.8/28

Out: 183.368+/-181.979 χ^2/NDF:40.3/32

All: 208.607+/-129.105 χ^2/NDF: 80.2/61



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 972.108+/-0.207 χ^2/NDF:293293.8/13

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 987.503+/-0.213 χ^2/NDF:363258.2/12

Left: 979.588+/-0.149 χ^2/NDF: 659233.2/26

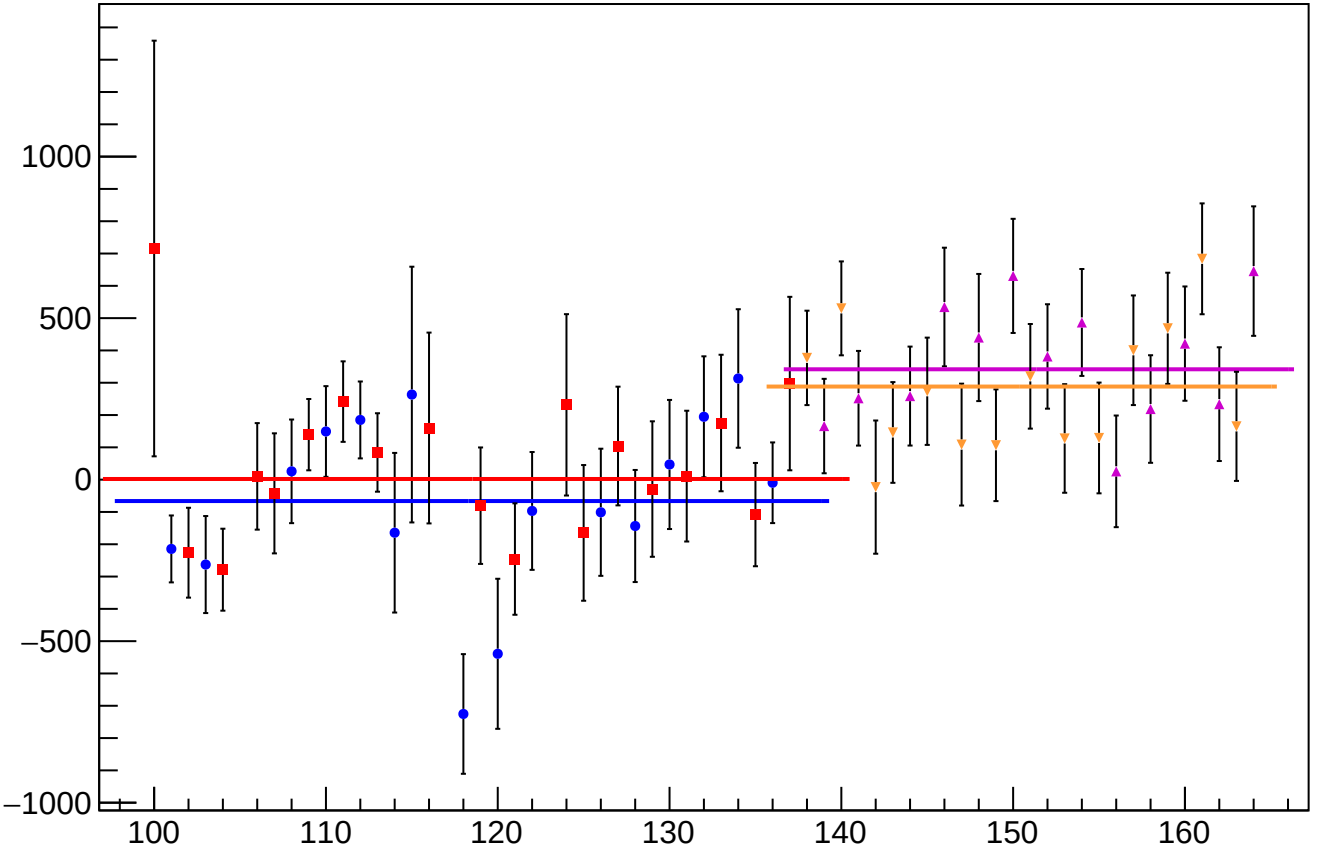
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 702.519+/-0.130 χ^2/NDF:6829199.7/28

Out: 720.636+/-0.129 χ^2/NDF:5800737.4/32

All: 711.638+/-0.091 χ^2/NDF: 12639782.0/61

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.194+/-44.646 χ^2/NDF:17.5/13

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 341.651+/-46.781 χ^2/NDF:13.7/12

Left: 313.675+/-32.298 χ^2/NDF: 31.9/26

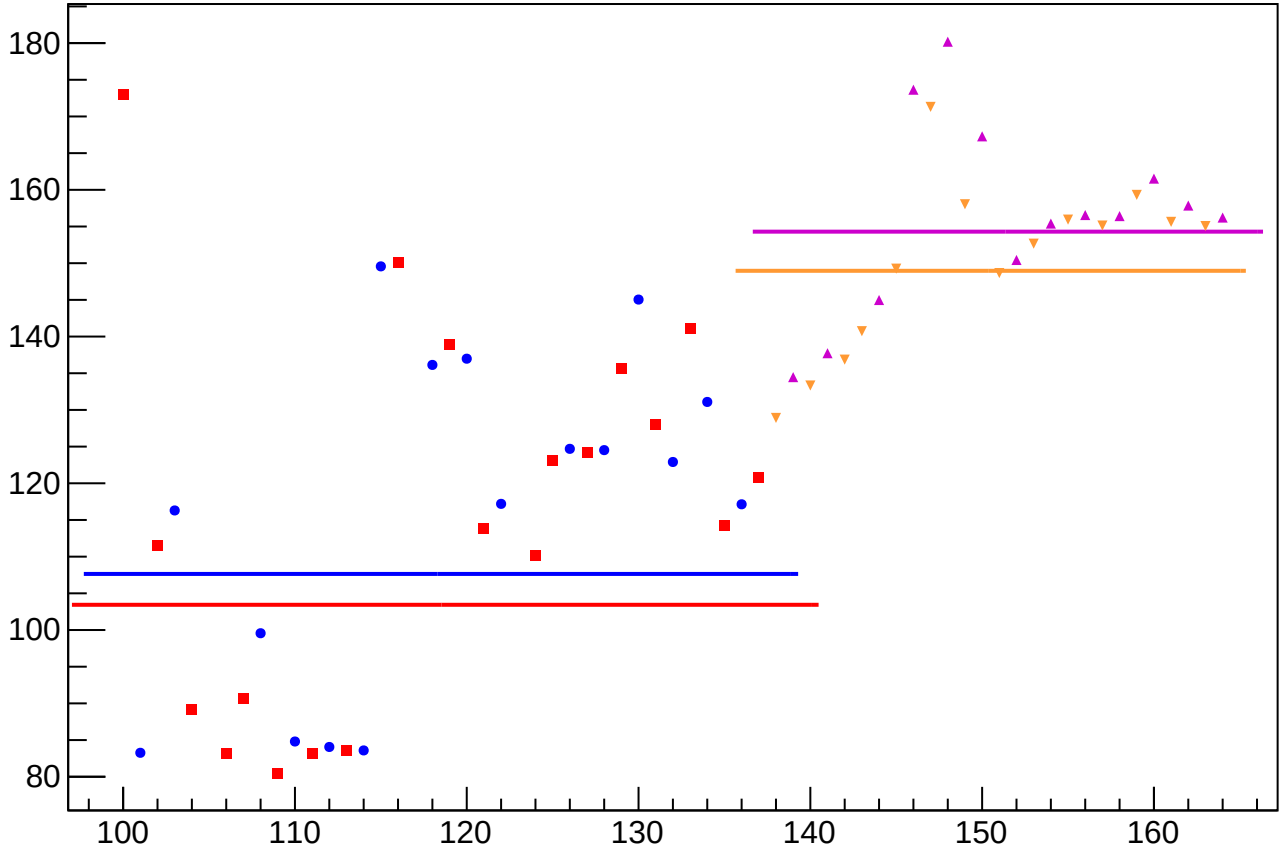
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 110.644+/-30.807 χ^2/NDF:91.2/28

Out: 125.674+/-29.345 χ^2/NDF:61.9/32

All: 118.524+/-21.248 χ^2/NDF: 153.2/61

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 148.963+/-0.032 χ^2/NDF:126627.9/13

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 154.299+/-0.033 χ^2/NDF:143654.8/12

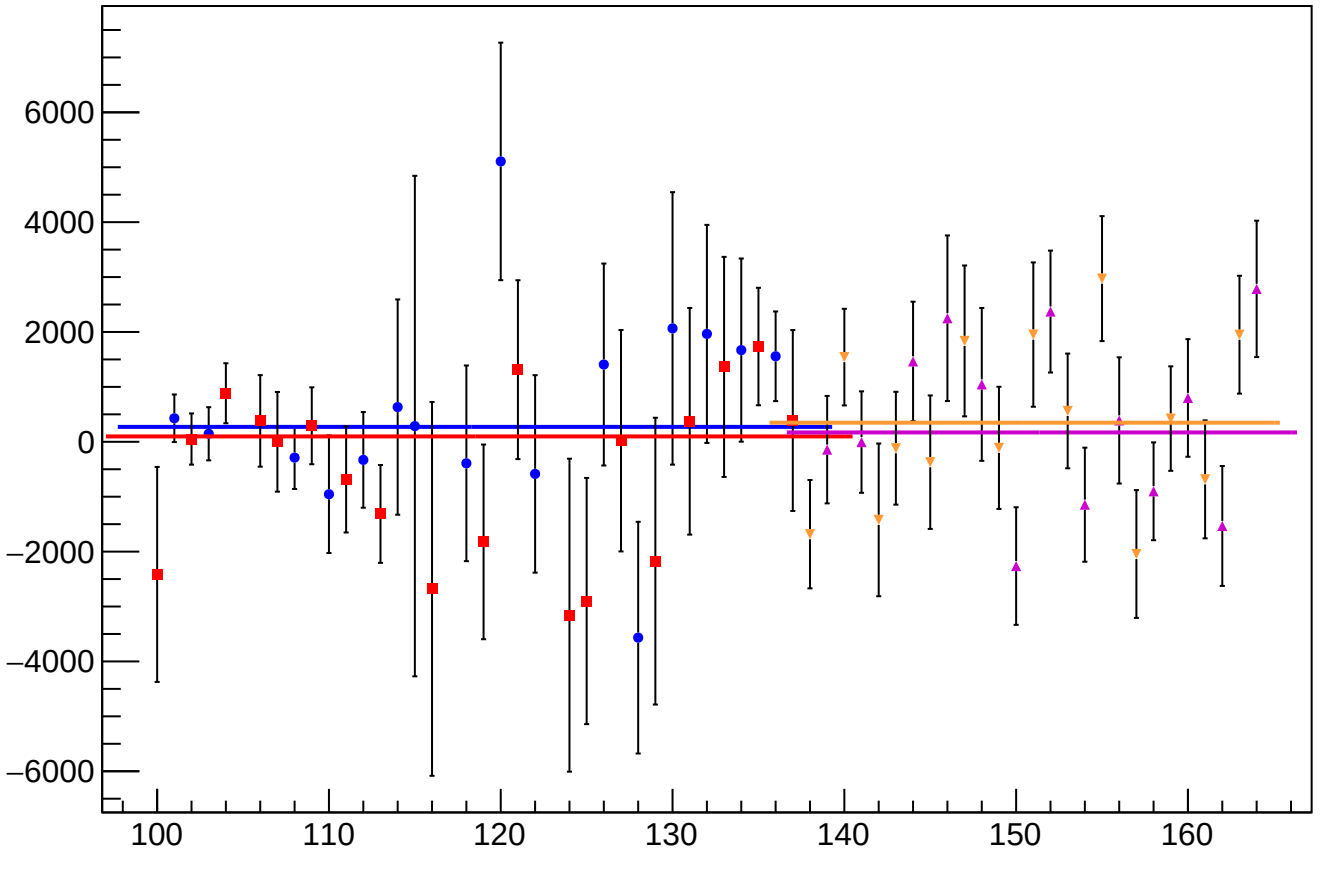
Left: 151.507+/-0.023 χ^2/NDF: 283901.4/26

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 127.877+/-0.022 χ^2/NDF:1803054.6/28

Out: 123.105+/-0.021 χ^2/NDF:1932559.8/32

All: 125.375+/-0.015 χ^2/NDF: 3760777.7/61



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 347.960+/-293.077 χ^2/NDF:23.8/13

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 170.429+/-301.468 χ^2/NDF:23.2/12

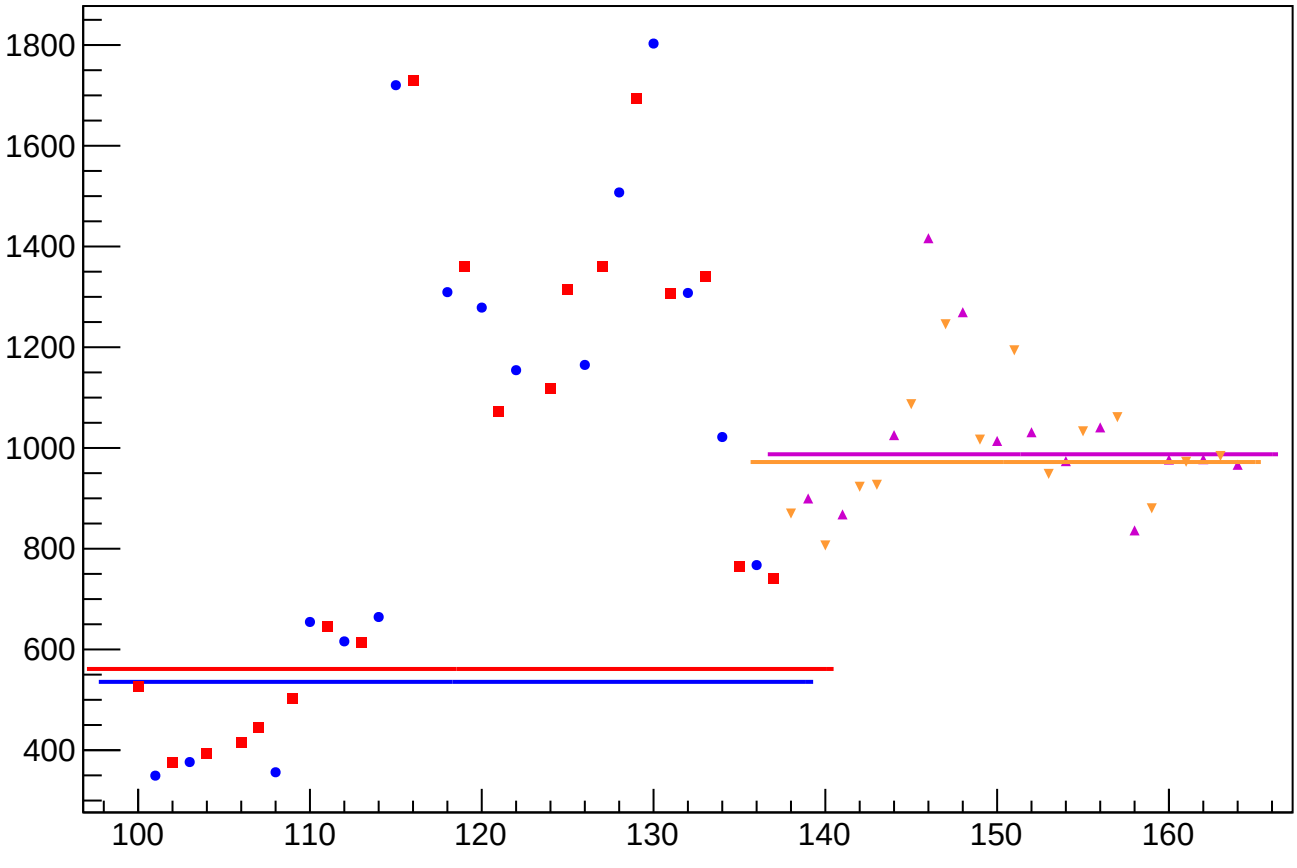
Left: 261.699+/-210.141 χ^2/NDF: 47.2/26

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 234.272+/-183.188 χ^2/NDF:39.8/28

Out: 194.597+/-182.280 χ^2/NDF:40.4/32

All: 214.336+/-129.211 χ^2/NDF: 80.2/61



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 972.109+/-0.207 χ^2/NDF:293294.2/13

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 987.503+/-0.213 χ^2/NDF:363257.5/12

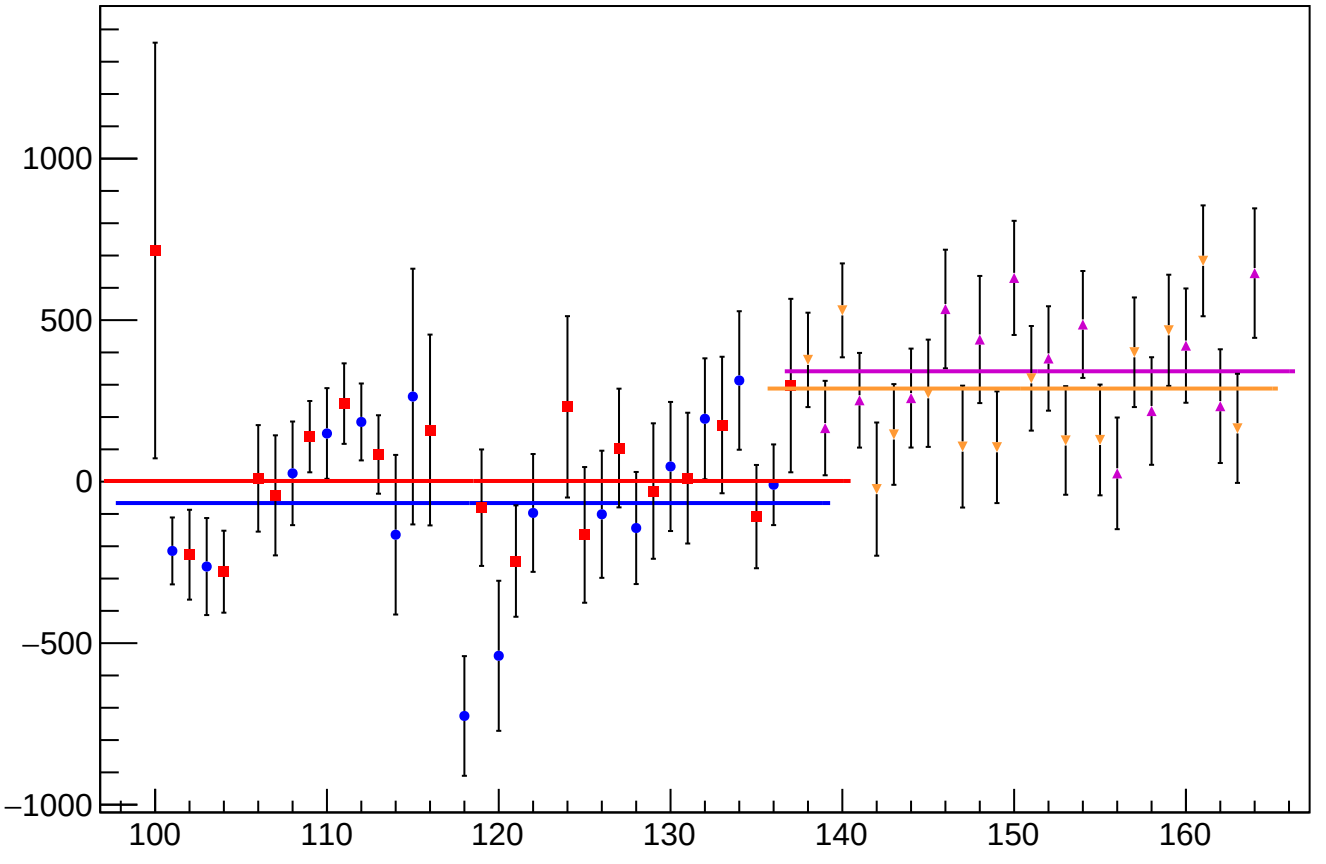
Left: 979.589+/-0.149 χ^2/NDF: 659232.9/26

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 702.499+/-0.130 χ^2/NDF:6829740.6/28

Out: 720.193+/-0.129 χ^2/NDF:5833930.4/32

All: 711.390+/-0.091 χ^2/NDF: 12673046.6/61



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.194+/-44.646 χ^2/NDF:17.5/13

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 341.651+/-46.781 χ^2/NDF:13.7/12

Left: 313.675+/-32.298 χ^2/NDF: 31.9/26

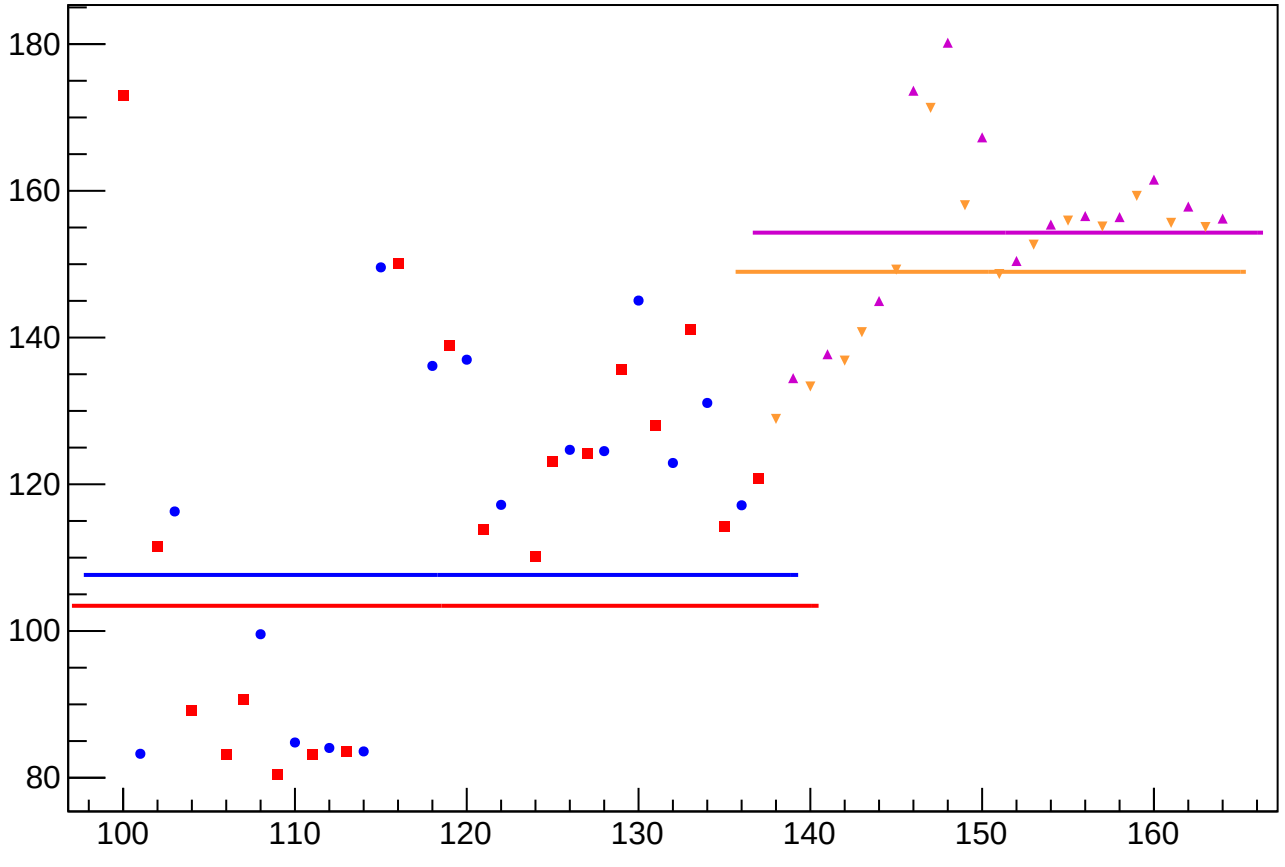
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 110.644+/-30.807 χ^2/NDF:91.2/28

Out: 125.674+/-29.345 χ^2/NDF:61.9/32

All: 118.524+/-21.248 χ^2/NDF: 153.2/61

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 148.963+/-0.032 χ^2/NDF:126627.9/13

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 154.299+/-0.033 χ^2/NDF:143654.8/12

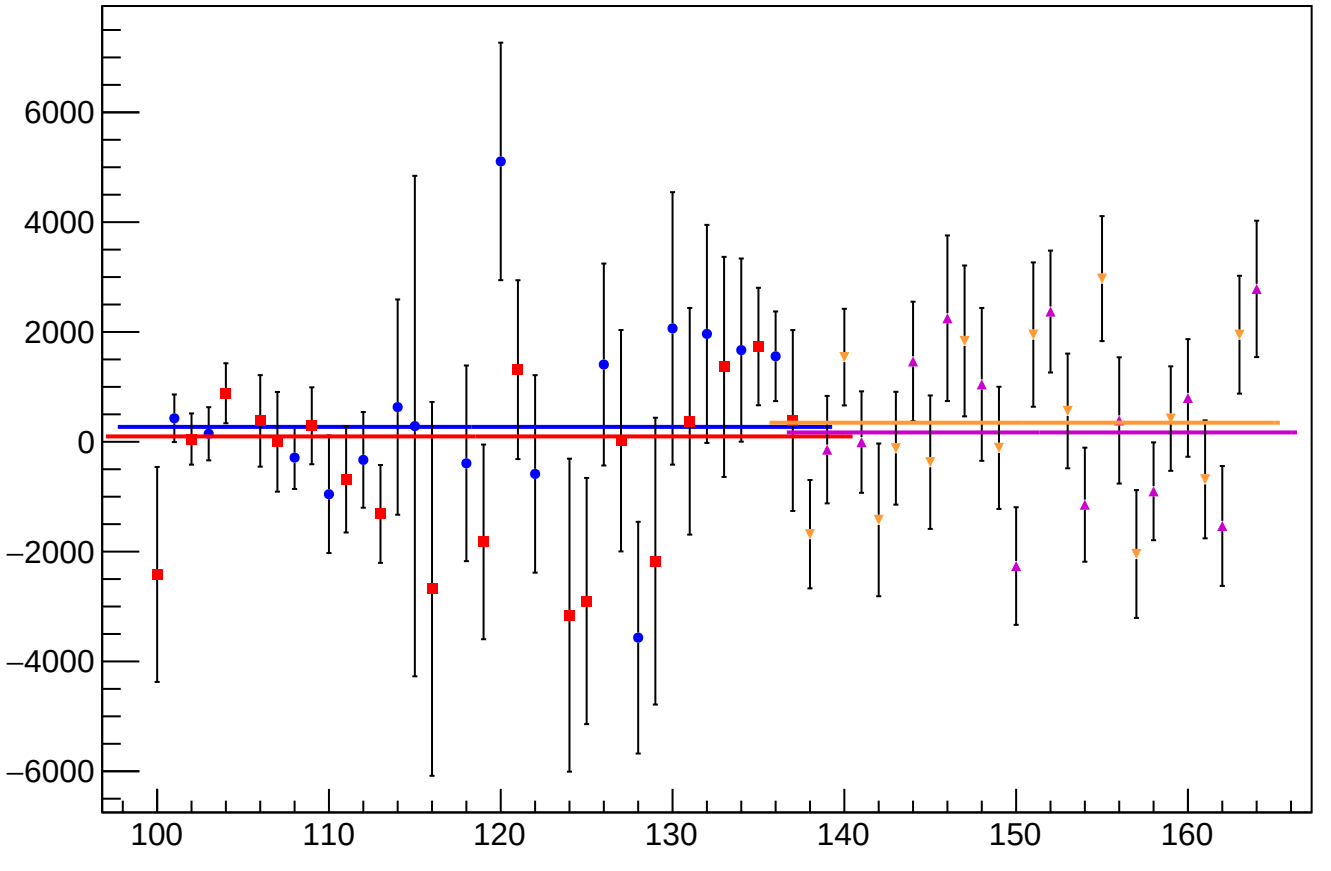
Left: 151.507+/-0.023 χ^2/NDF: 283901.4/26

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 127.877+/-0.022 χ^2/NDF:1803054.6/28

Out: 123.105+/-0.021 χ^2/NDF:1932559.8/32

All: 125.375+/-0.015 χ^2/NDF: 3760777.7/61



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 347.960+/-293.077 χ^2/NDF:23.8/13

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 170.429+/-301.468 χ^2/NDF:23.2/12

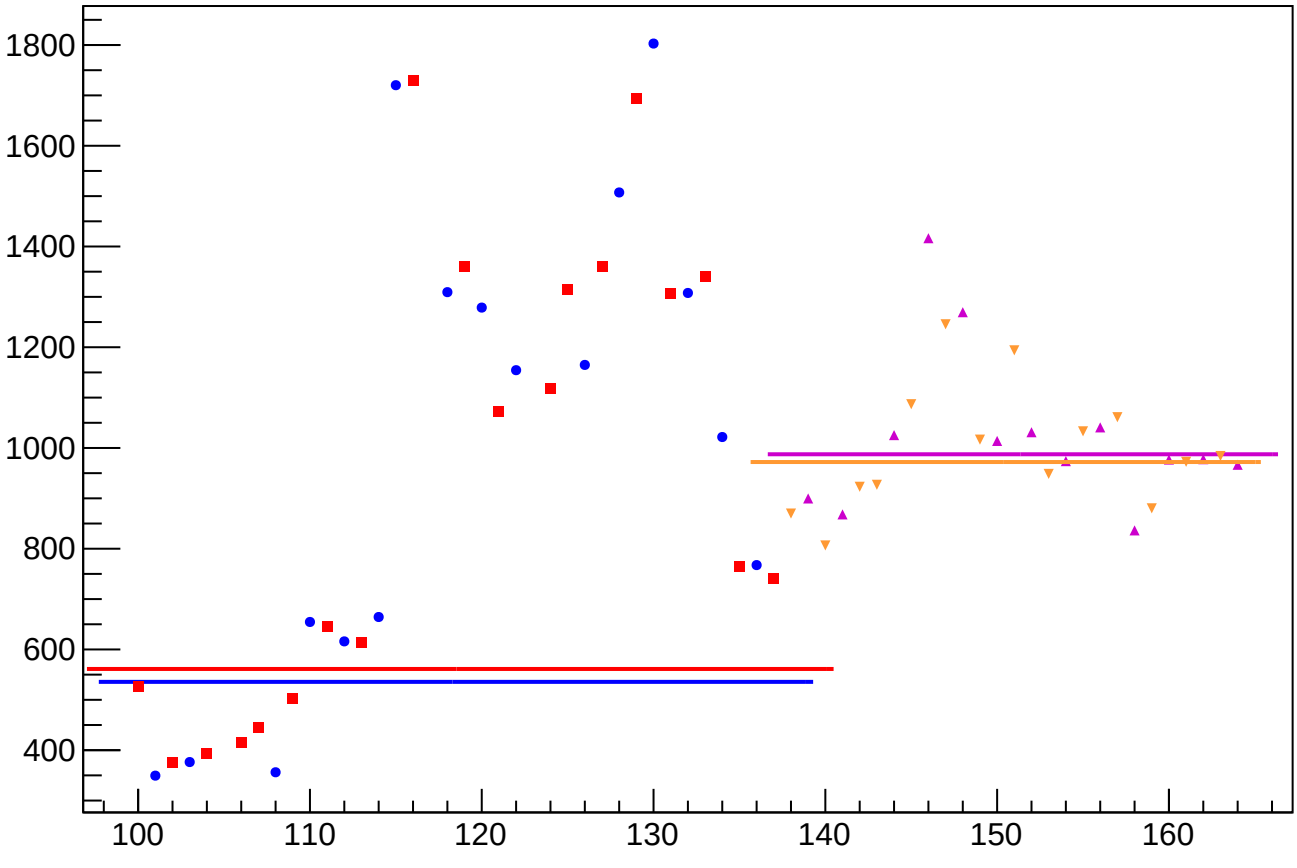
Left: 261.699+/-210.141 χ^2/NDF: 47.2/26

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 234.272+/-183.188 χ^2/NDF:39.8/28

Out: 194.597+/-182.280 χ^2/NDF:40.4/32

All: 214.336+/-129.211 χ^2/NDF: 80.2/61



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 972.109+/-0.207 χ^2/NDF:293294.2/13

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 987.503+/-0.213 χ^2/NDF:363257.5/12

Left: 979.589+/-0.149 χ^2/NDF: 659232.9/26

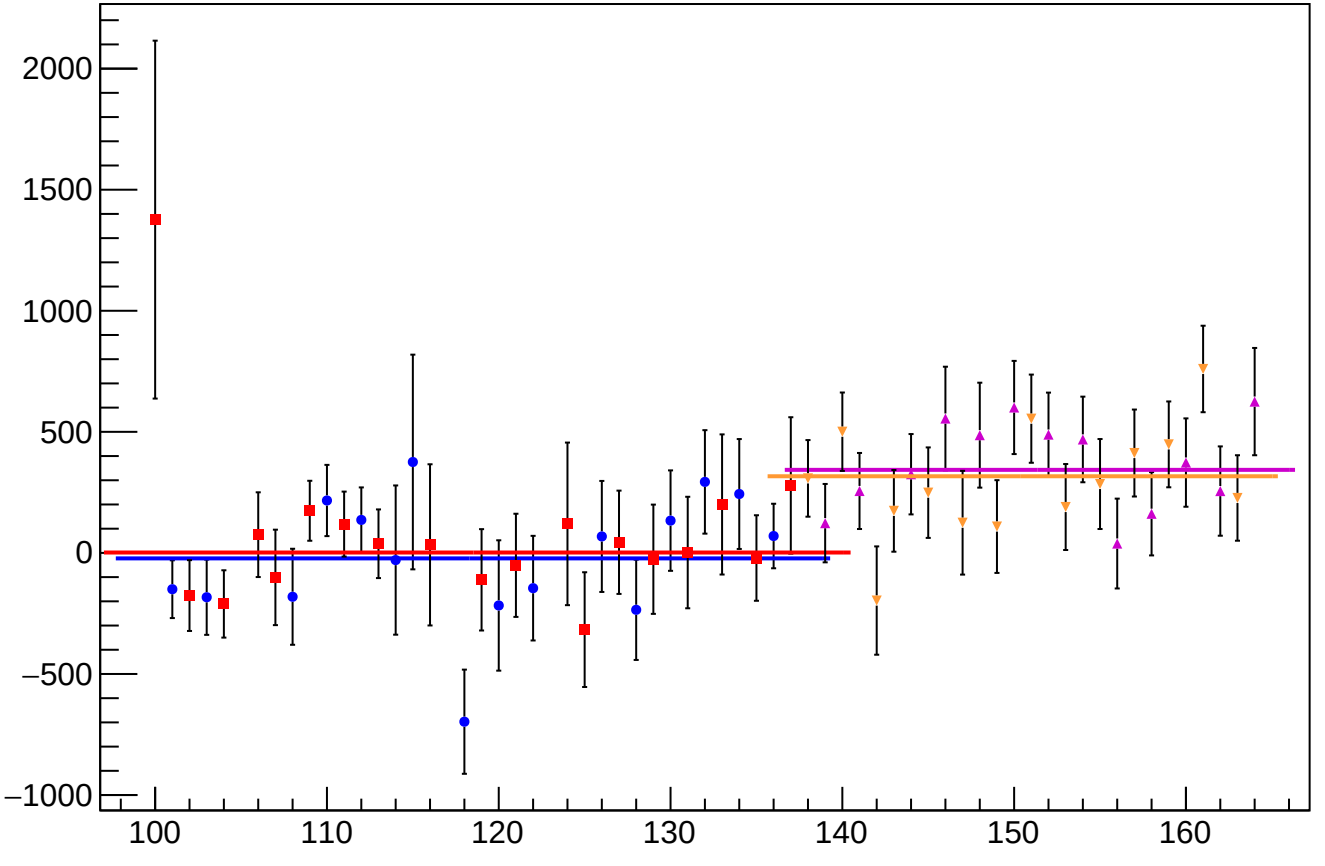
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 702.499+/-0.130 χ^2/NDF:6829740.6/28

Out: 720.193+/-0.129 χ^2/NDF:5833930.4/32

All: 711.390+/-0.091 χ^2/NDF: 12673046.6/61

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 316.534+/-48.335 χ^2/NDF:18.9/13

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 343.010+/-50.438 χ^2/NDF:12.3/12

Left: 329.208+/-34.898 χ^2/NDF: 31.3/26

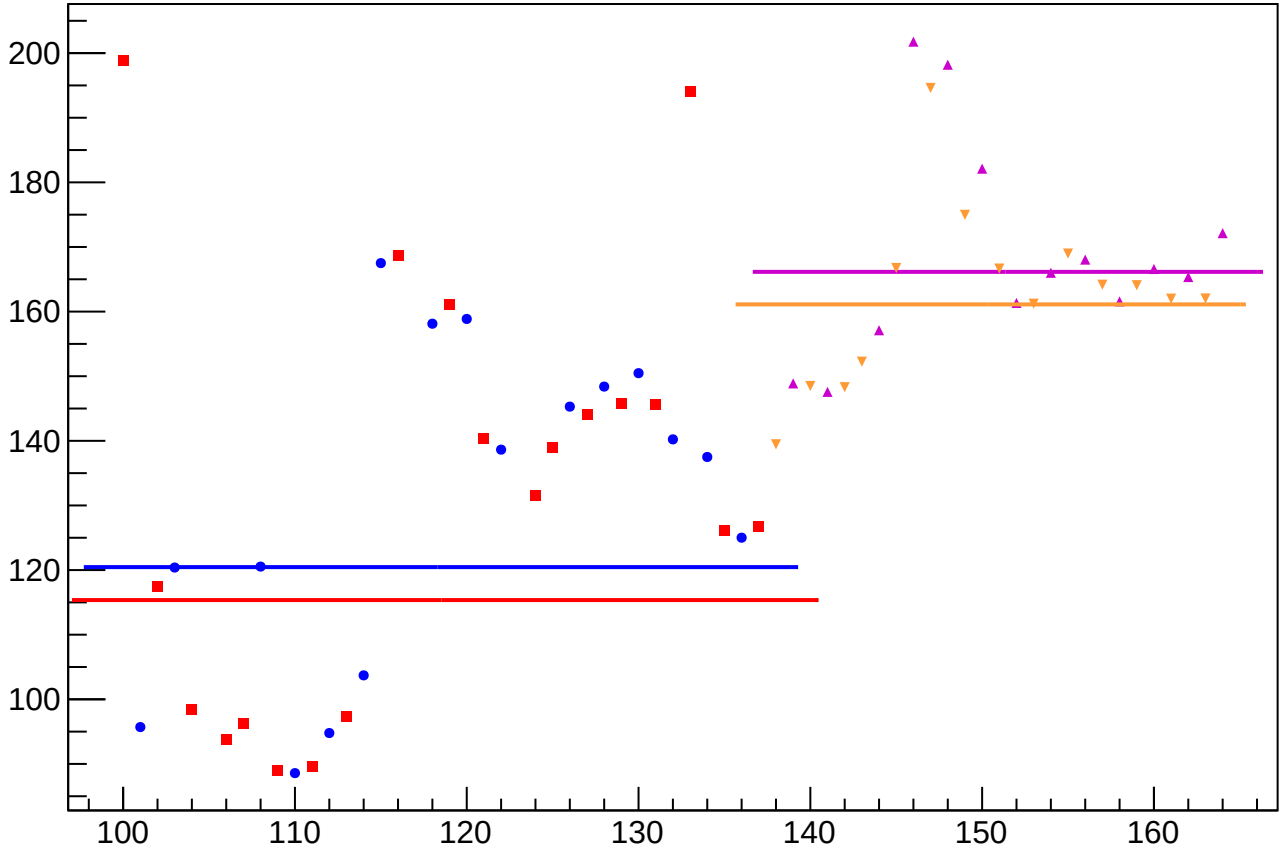
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 143.012+/-33.951 χ^2/NDF:65.2/28

Out: 142.759+/-32.360 χ^2/NDF:56.6/32

All: 142.879+/-23.424 χ^2/NDF: 121.8/61

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 161.114+/-0.034 χ^2/NDF:129562.2/13

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 166.149+/-0.036 χ^2/NDF:174264.1/12

Left: 163.524+/-0.025 χ^2/NDF: 314213.5/26

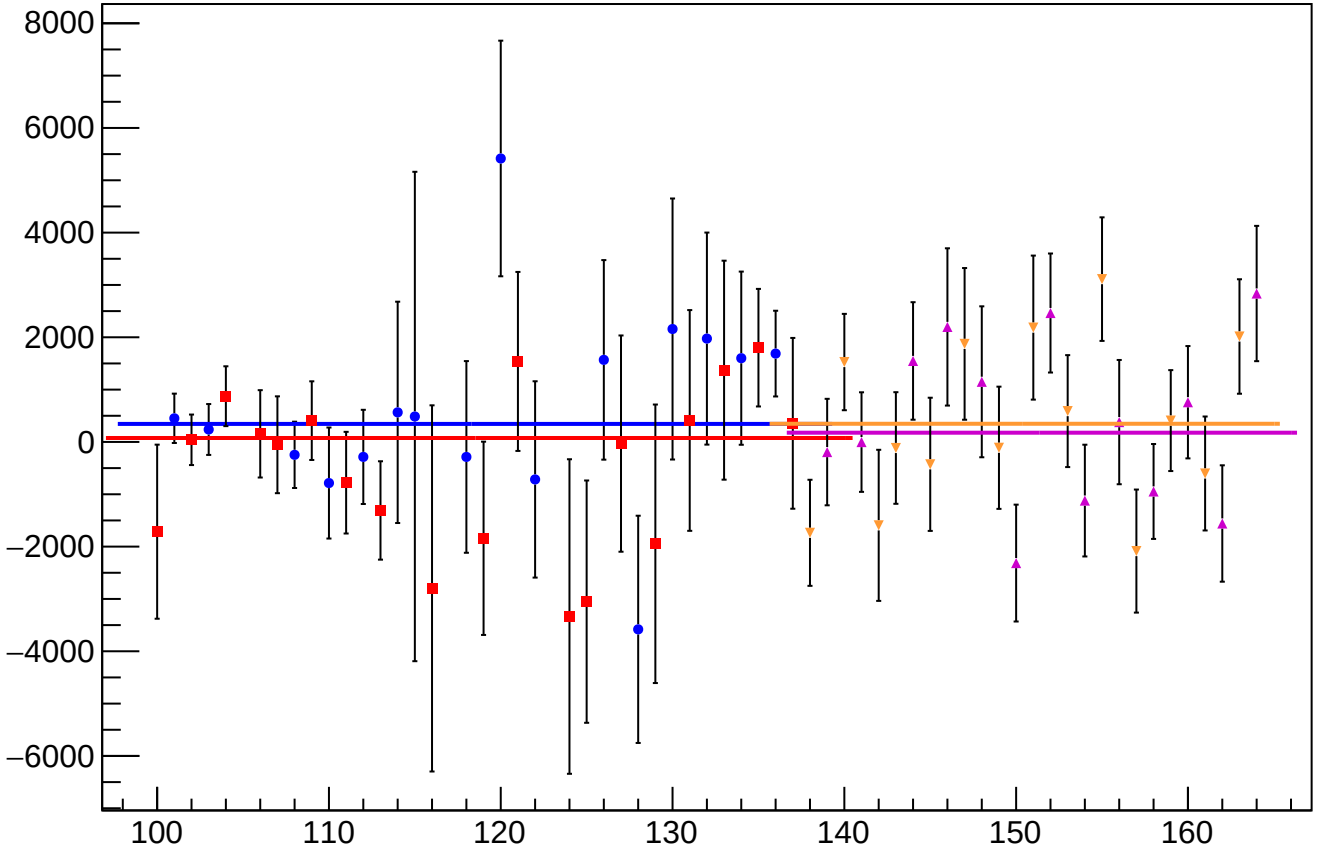
Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 141.160+/-0.024 χ^2/NDF:1602201.8/28

Out: 135.866+/-0.023 χ^2/NDF:1885817.4/32

All: 138.386+/-0.017 χ^2/NDF: 3513500.9/61

asym_sam6_dit_correction_mean vs Slug, Sign Corrected



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 347.240+/-302.366 χ^2/NDF:24.2/13

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 176.509+/-309.472 χ^2/NDF:22.9/12

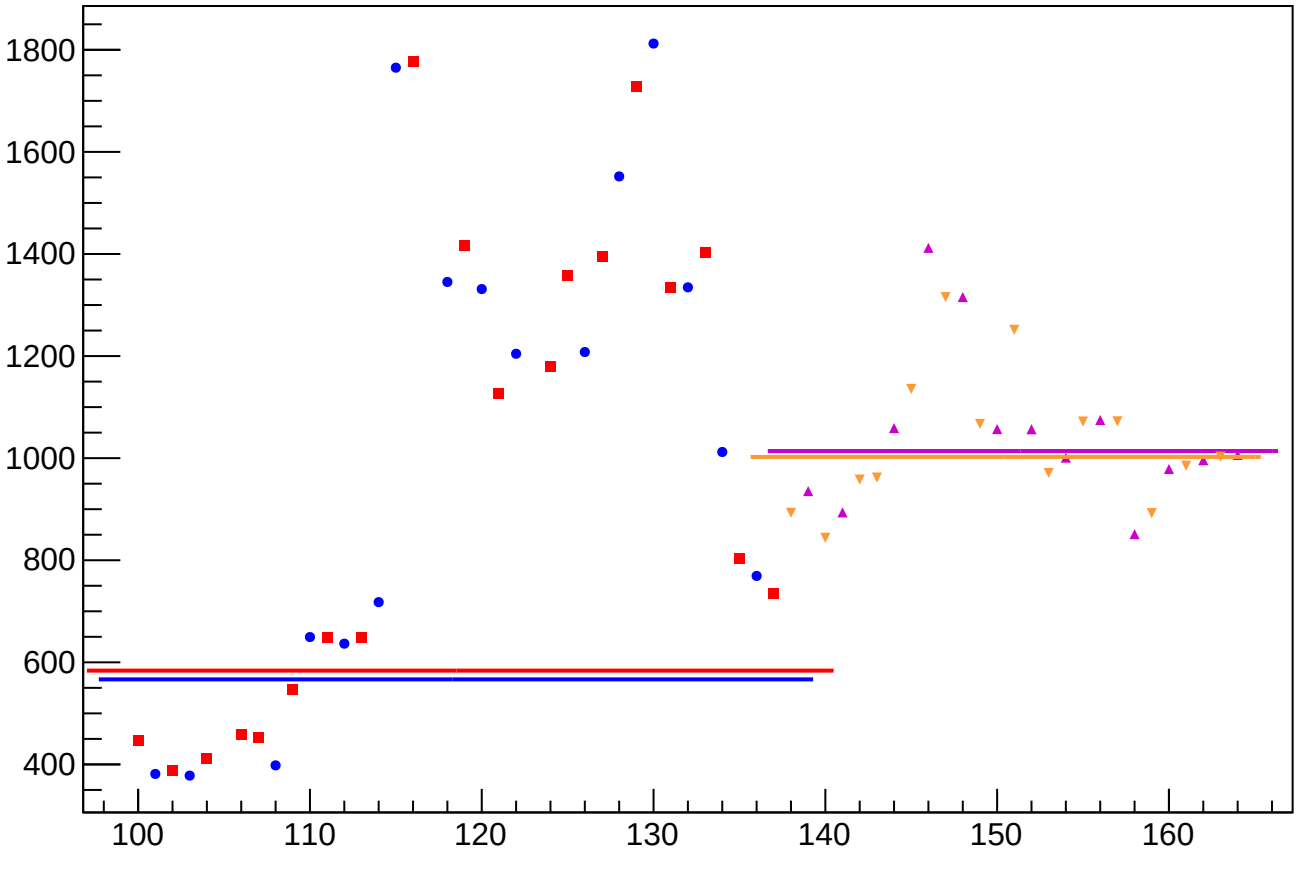
Left: 263.857+/-216.274 χ^2/NDF: 47.3/26

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 280.869+/-190.405 χ^2/NDF:39.4/28

Out: 180.747+/-188.211 χ^2/NDF:39.9/32

All: 230.228+/-133.854 χ^2/NDF: 79.5/61



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1002.393+/-0.214 χ^2/NDF:316438.3/13

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1013.992+/-0.219 χ^2/NDF:353374.6/12

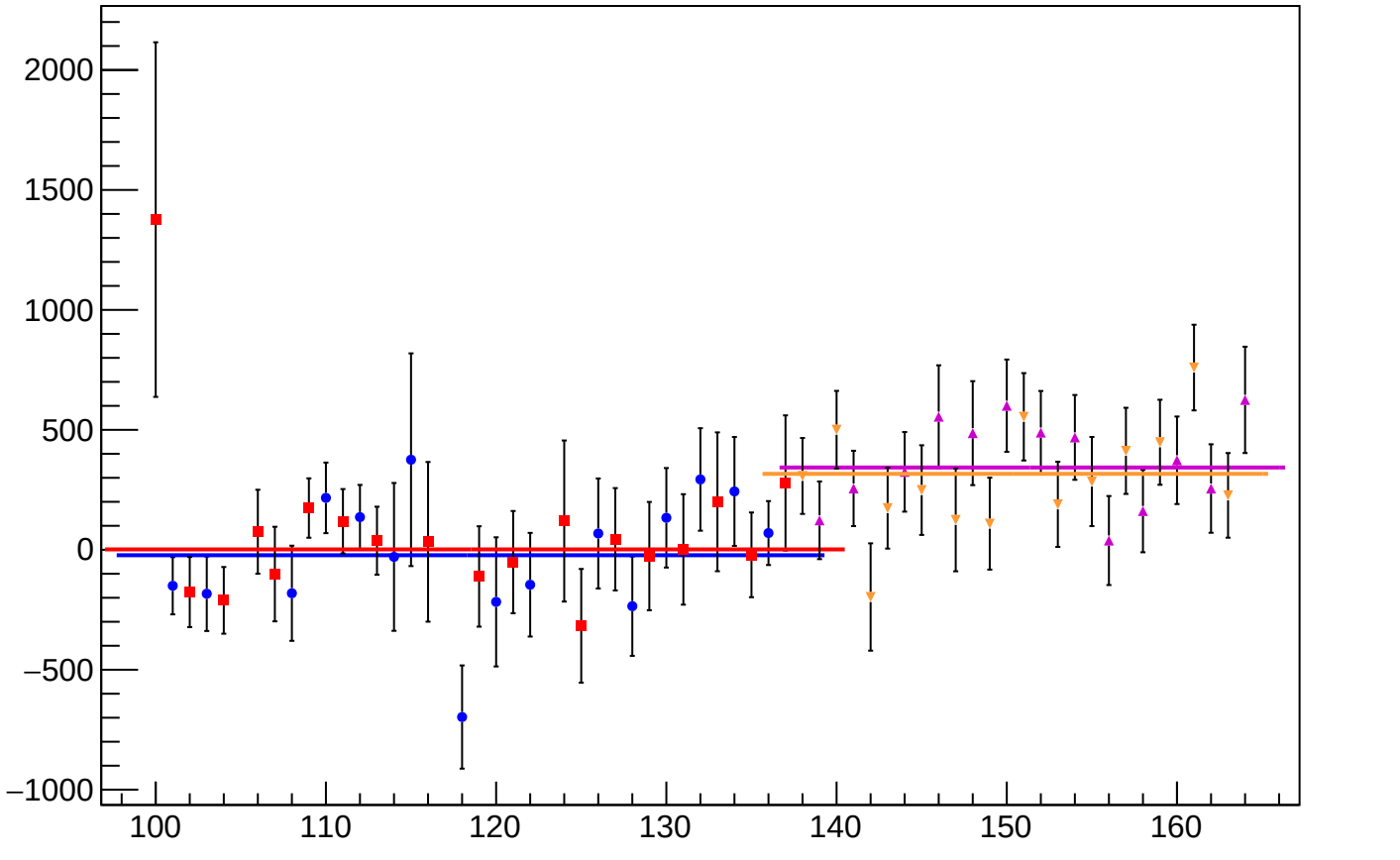
Left: 1008.058+/-0.153 χ^2/NDF: 671250.3/26

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 735.960+/-0.135 χ^2/NDF:6383391.6/28

Out: 745.984+/-0.133 χ^2/NDF:5771940.9/32

All: 741.030+/-0.095 χ^2/NDF: 12158136.2/61



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 316.535+/-48.335 χ^2/NDF:18.9/13

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 343.010+/-50.438 χ^2/NDF:12.3/12

Left: 329.209+/-34.898 χ^2/NDF: 31.3/26

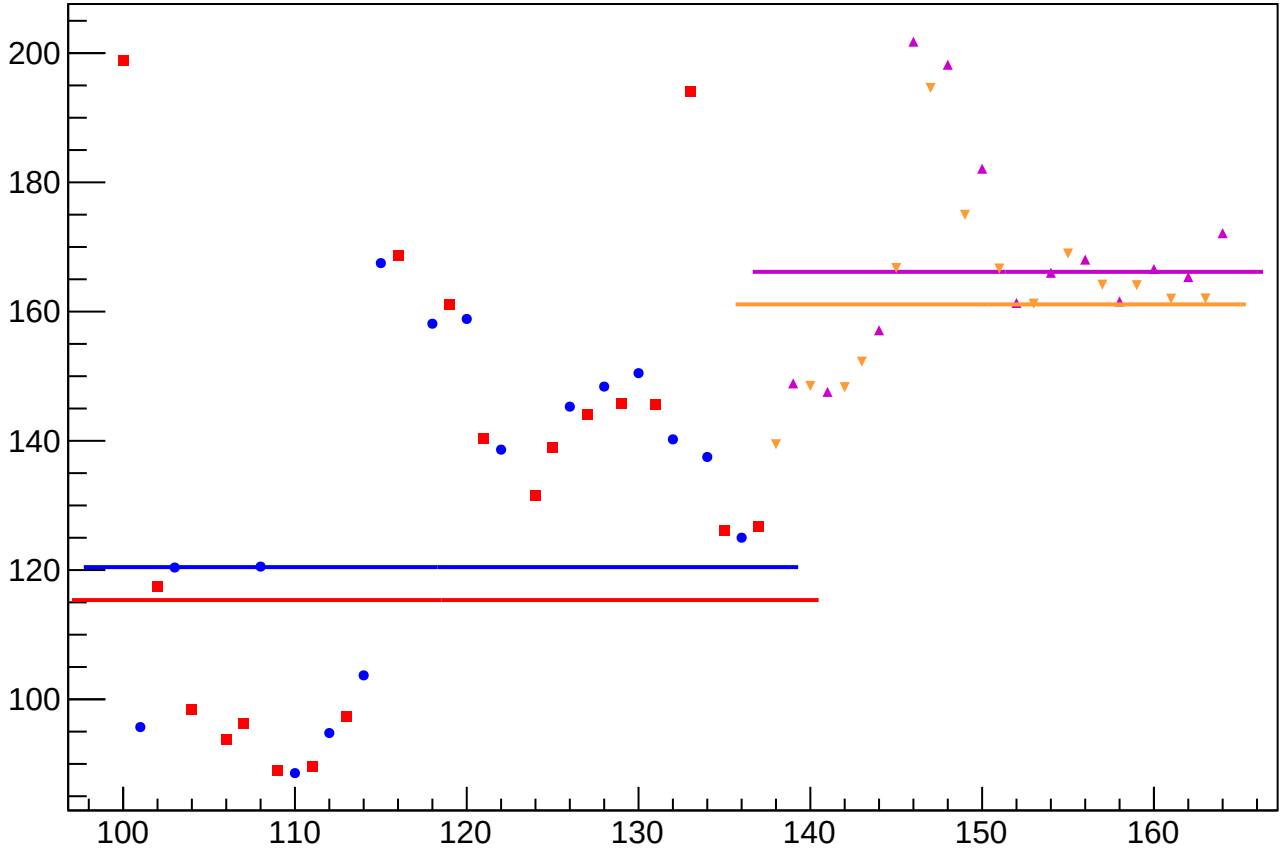
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 143.011+/-33.951 χ^2/NDF:65.2/28

Out: 142.760+/-32.360 χ^2/NDF:56.6/32

All: 142.879+/-23.424 χ^2/NDF: 121.8/61

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 161.114+/-0.034 χ^2/NDF:129561.3/13

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 166.149+/-0.036 χ^2/NDF:174264.6/12

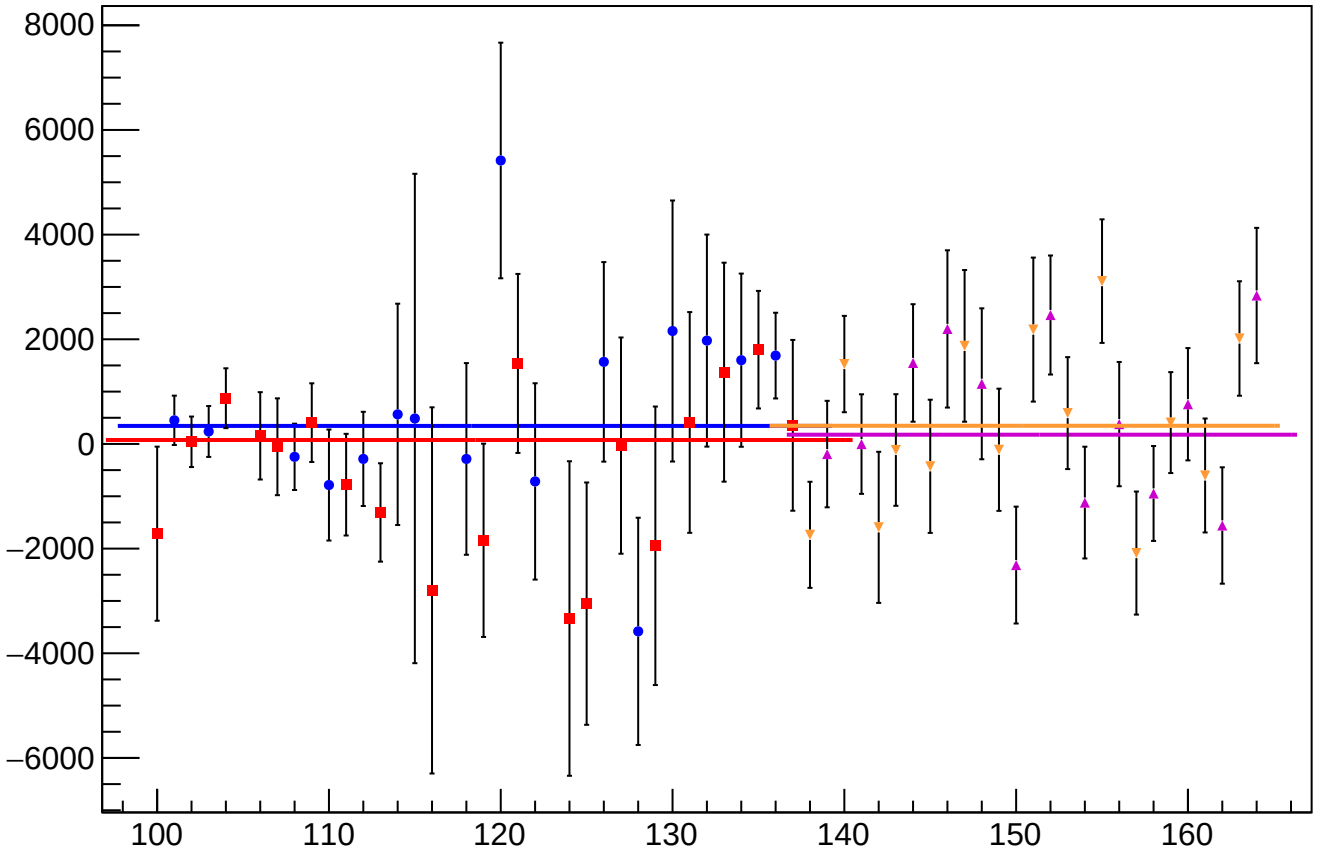
Left: 163.524+/-0.025 χ^2/NDF: 314213.4/26

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 141.160+/-0.024 χ^2/NDF:1602212.3/28

Out: 135.866+/-0.023 χ^2/NDF:1885817.7/32

All: 138.386+/-0.017 χ^2/NDF: 3513511.6/61



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 347.240+/-302.366 χ^2/NDF:24.2/13

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 176.509+/-309.472 χ^2/NDF:22.9/12

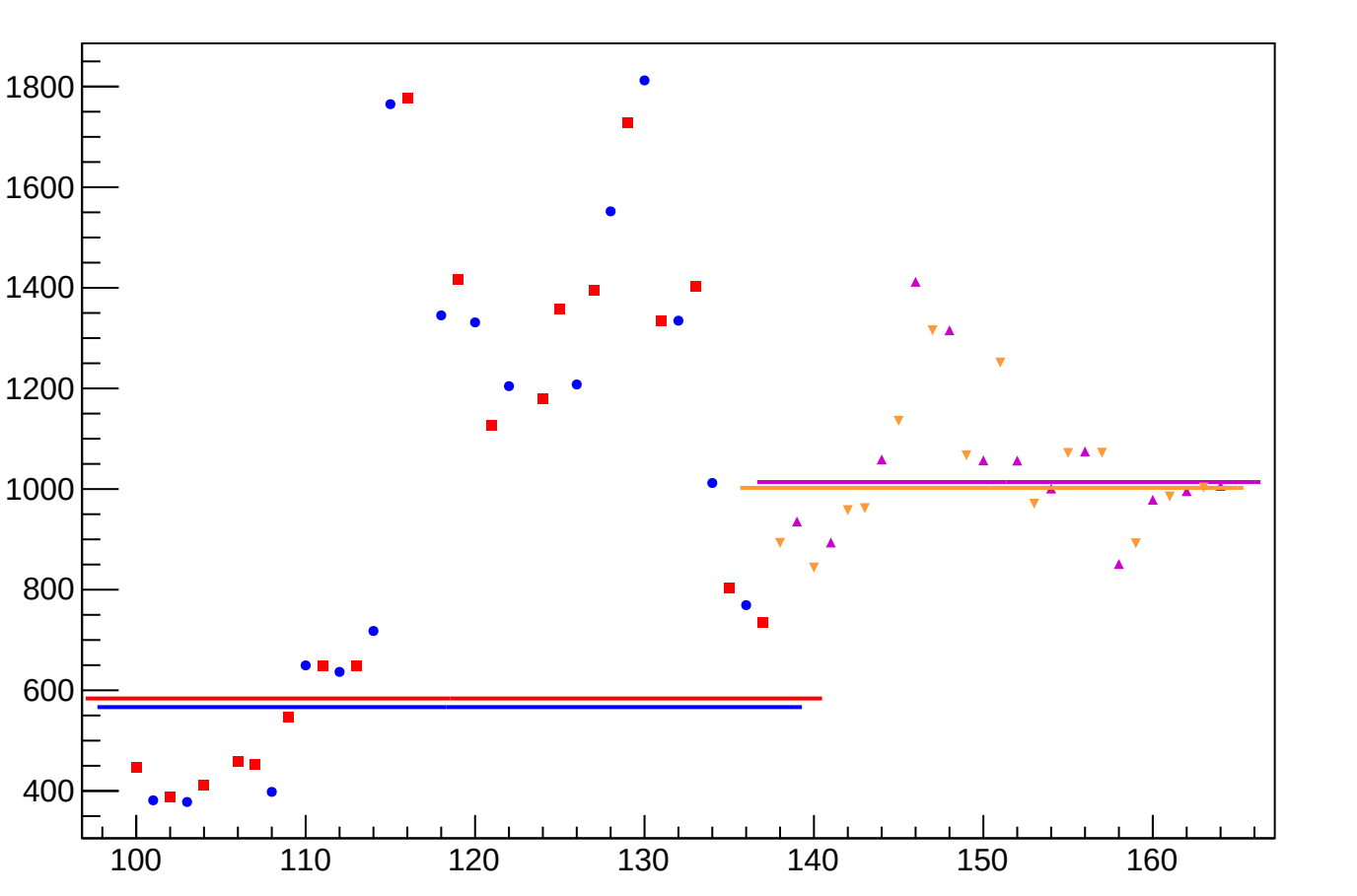
Left: 263.857+/-216.274 χ^2/NDF: 47.3/26

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 280.869+/-190.405 χ^2/NDF:39.4/28

Out: 180.748+/-188.211 χ^2/NDF:39.9/32

All: 230.228+/-133.854 χ^2/NDF: 79.5/61



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1002.393+/-0.214 χ^2/NDF:316440.6/13

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1013.992+/-0.219 χ^2/NDF:353377.4/12

Left: 1008.058+/-0.153 χ^2/NDF: 671255.5/26

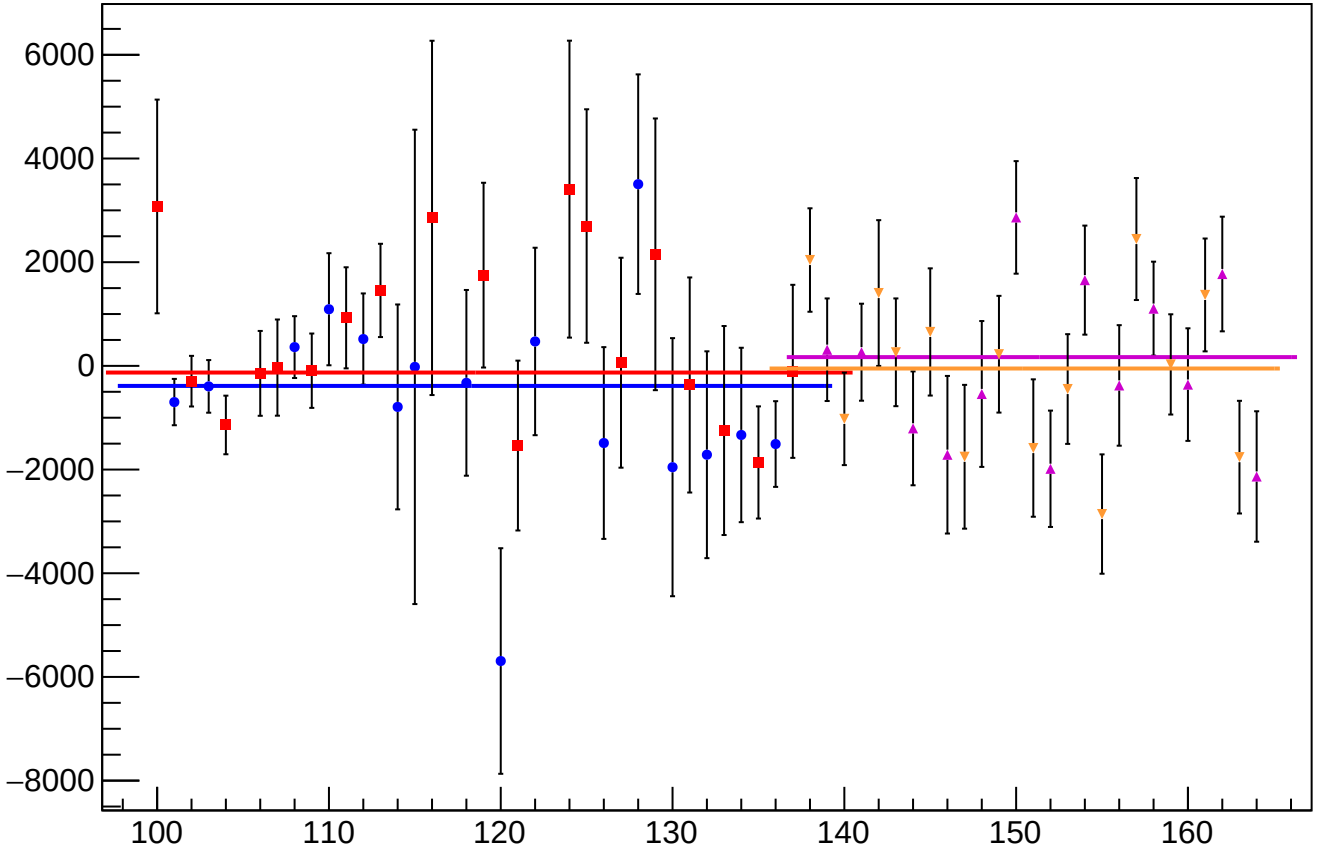
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 735.959+/-0.135 χ^2/NDF:6383407.5/28

Out: 745.983+/-0.133 χ^2/NDF:5771948.6/32

All: 741.029+/-0.095 χ^2/NDF: 12158159.9/61

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -50.742+/-296.611 χ^2/NDF:24.8/13

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 168.952+/-305.248 χ^2/NDF:22.2/12

Left: 55.953+/-212.723 χ^2/NDF: 47.2/26

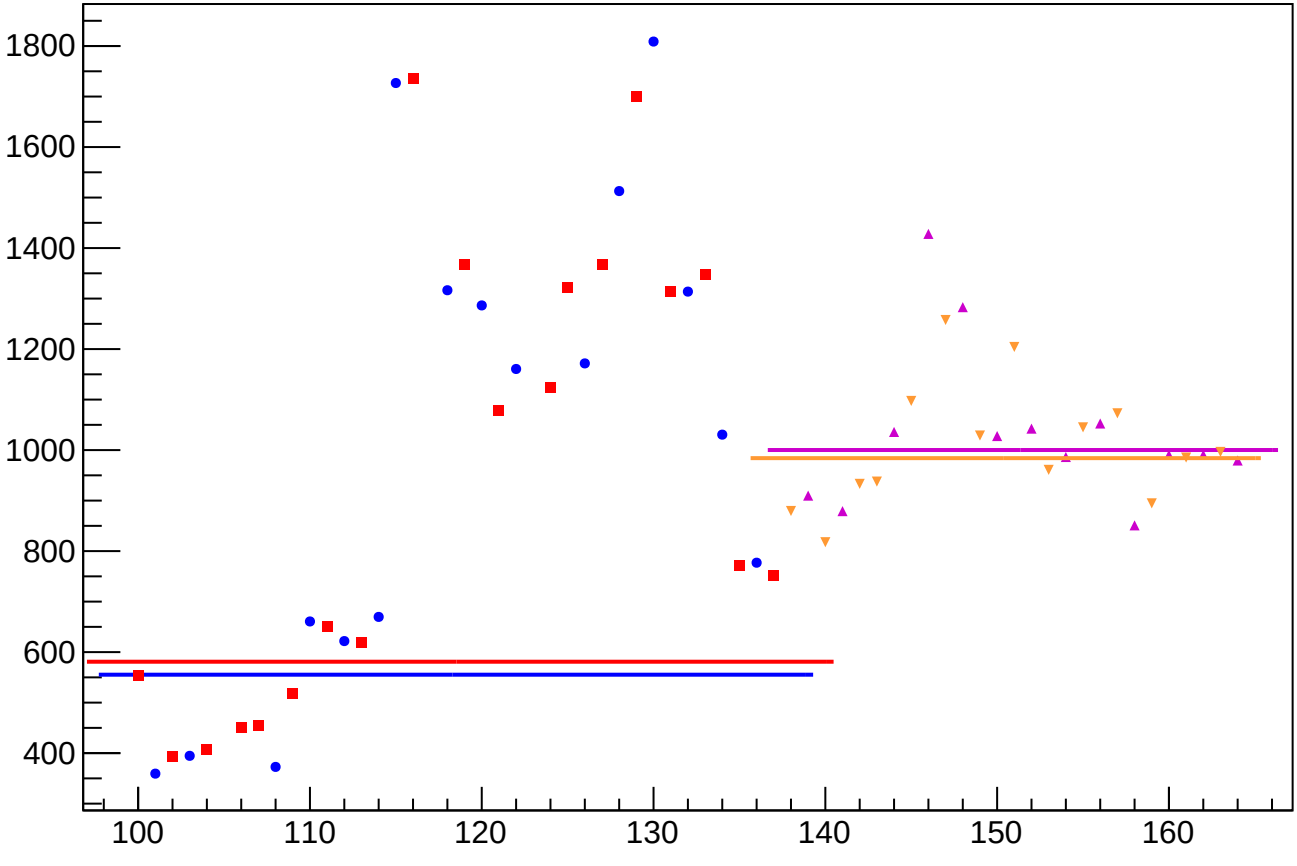
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -177.030+/-187.458 χ^2/NDF:42.2/28

Out: -98.058+/-185.744 χ^2/NDF:44.2/32

All: -137.181+/-131.942 χ^2/NDF: 86.5/61

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 984.065+/-0.210 χ^2/NDF:286805.8/13

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1000.151+/-0.216 χ^2/NDF:355190.3/12

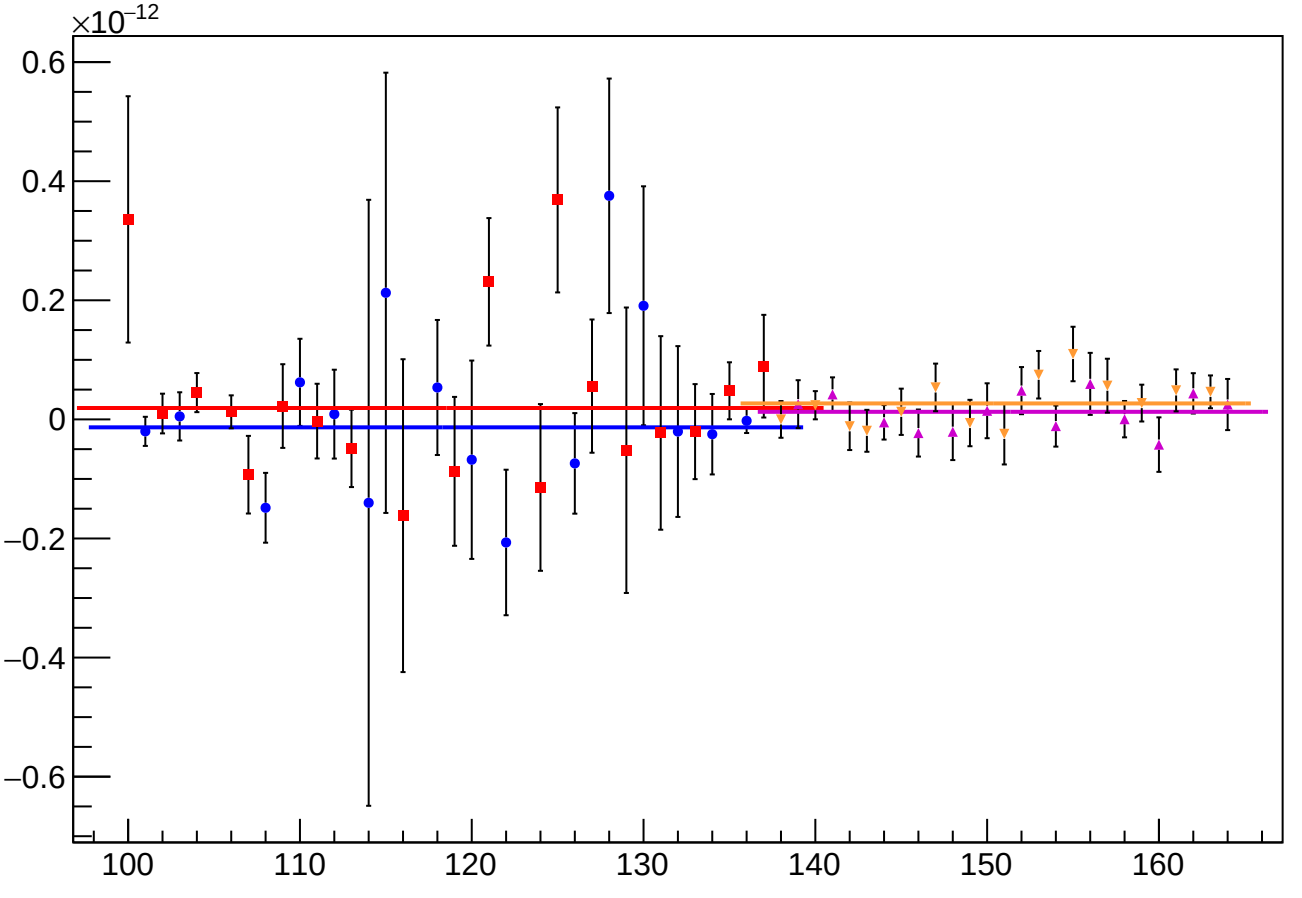
Left: 991.877+/-0.150 χ^2/NDF: 644853.1/26

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 723.066+/-0.133 χ^2/NDF:6483546.4/28

Out: 739.060+/-0.131 χ^2/NDF:5515335.5/32

All: 731.137+/-0.093 χ^2/NDF: 12006227.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/12

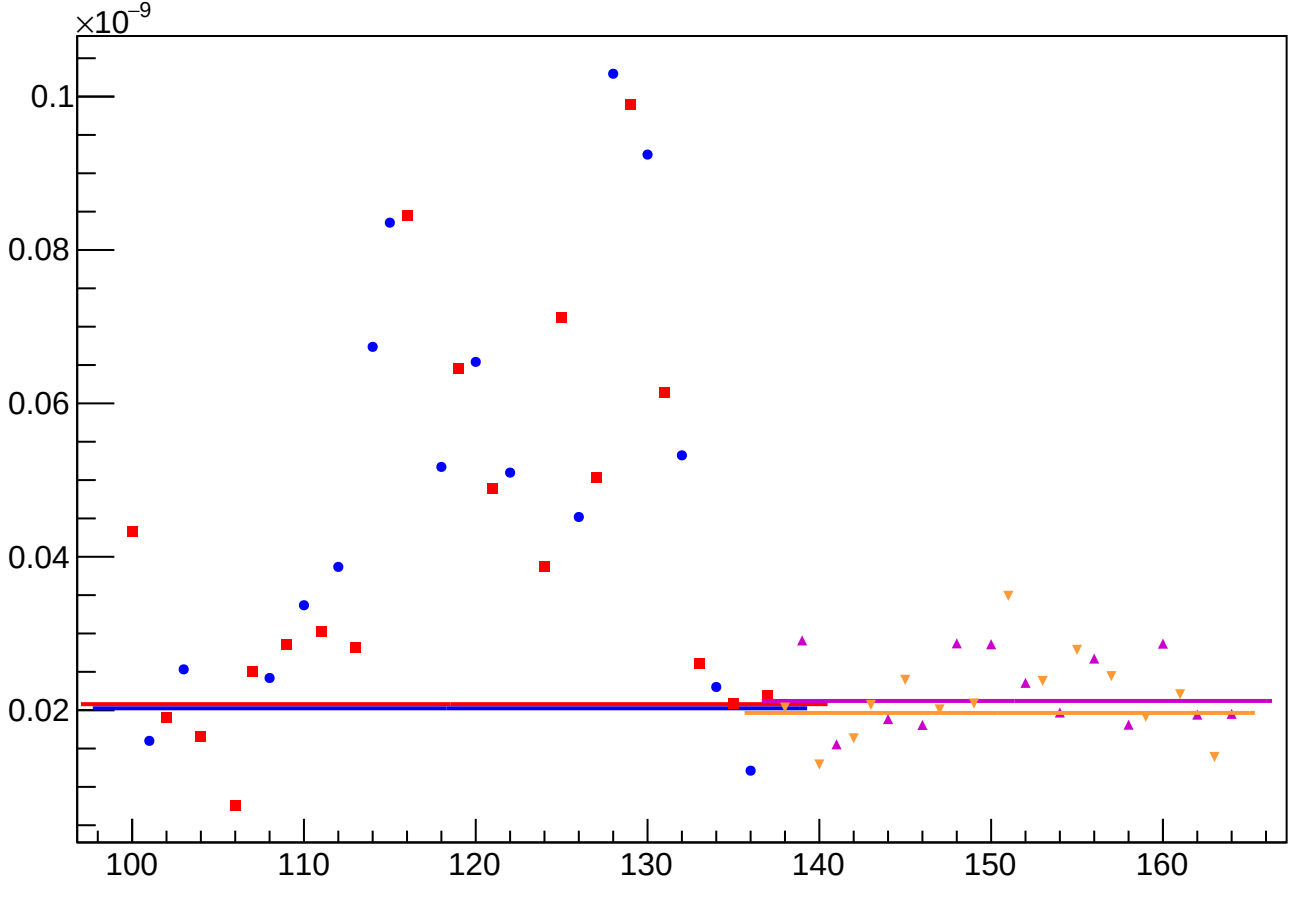
Left: 0.000+/-0.000 χ^2/NDF: 20.2/26

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:25.9/28

Out: 0.000+/-0.000 χ^2/NDF:31.8/32

All: 0.000+/-0.000 χ^2/NDF: 61.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:586393.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:398341.6/12

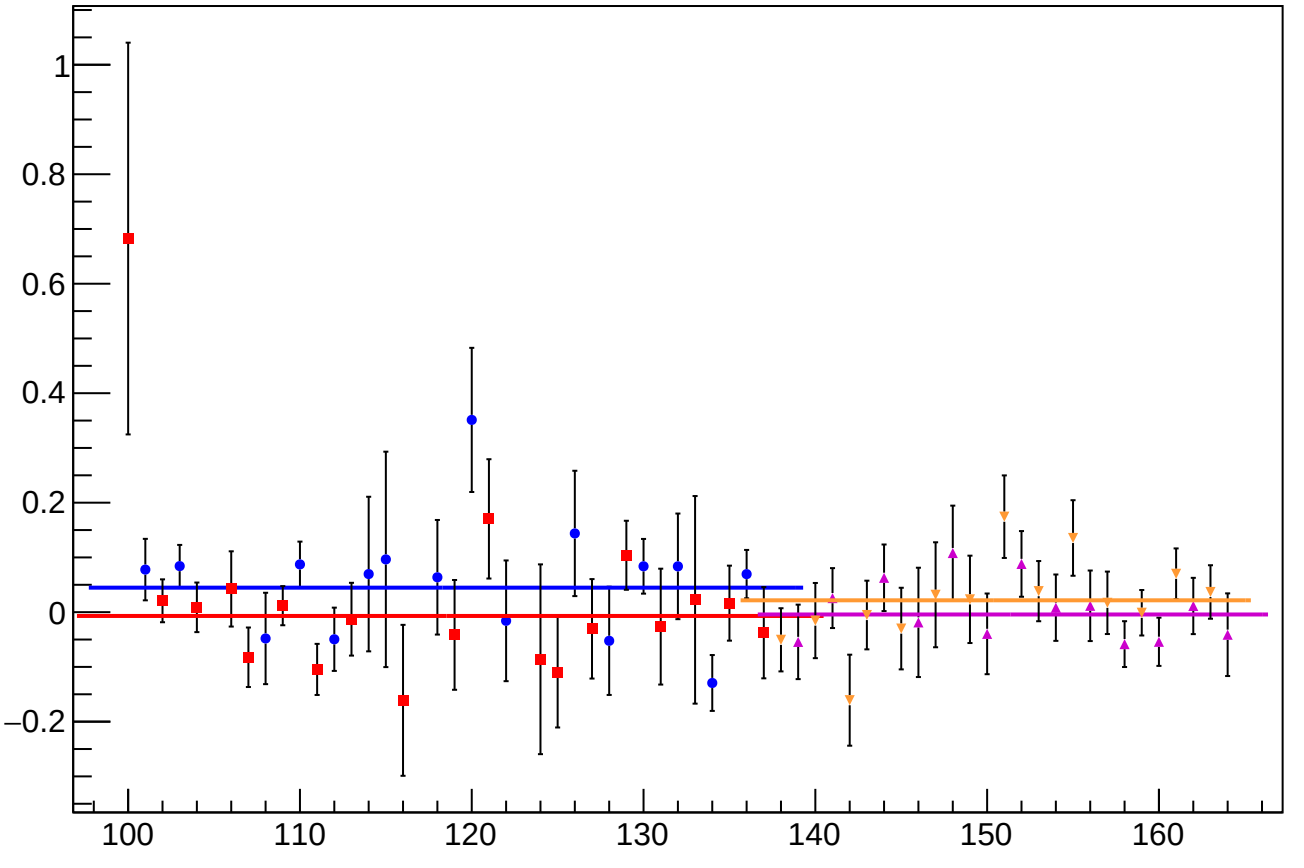
Left: 0.000+/-0.000 χ^2/NDF: 1009783.3/26

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2409737.3/28

Out: 0.000+/-0.000 χ^2/NDF:2451592.9/32

All: 0.000+/-0.000 χ^2/NDF: 4872284.9/61



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.022+/-0.016 χ^2/NDF:15.8/13

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.004+/-0.017 χ^2/NDF:9.7/12

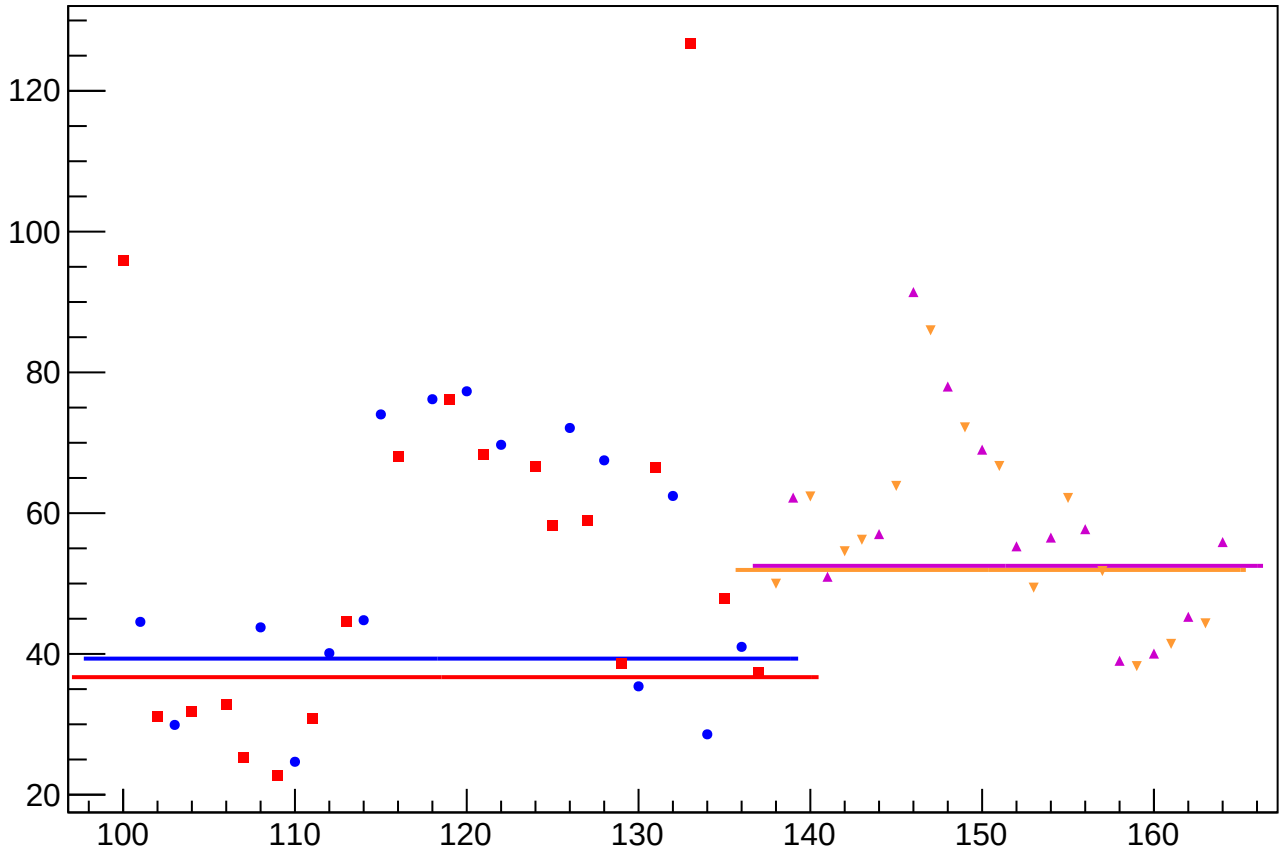
Left: 0.009+/-0.012 χ^2/NDF: 26.8/26

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.021+/-0.011 χ^2/NDF:40.9/28

Out: 0.006+/-0.011 χ^2/NDF:37.6/32

All: 0.013+/-0.008 χ^2/NDF: 79.3/61



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.932+/-0.011 χ^2/NDF:984493.7/13

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.514+/-0.012 χ^2/NDF:1067819.5/12

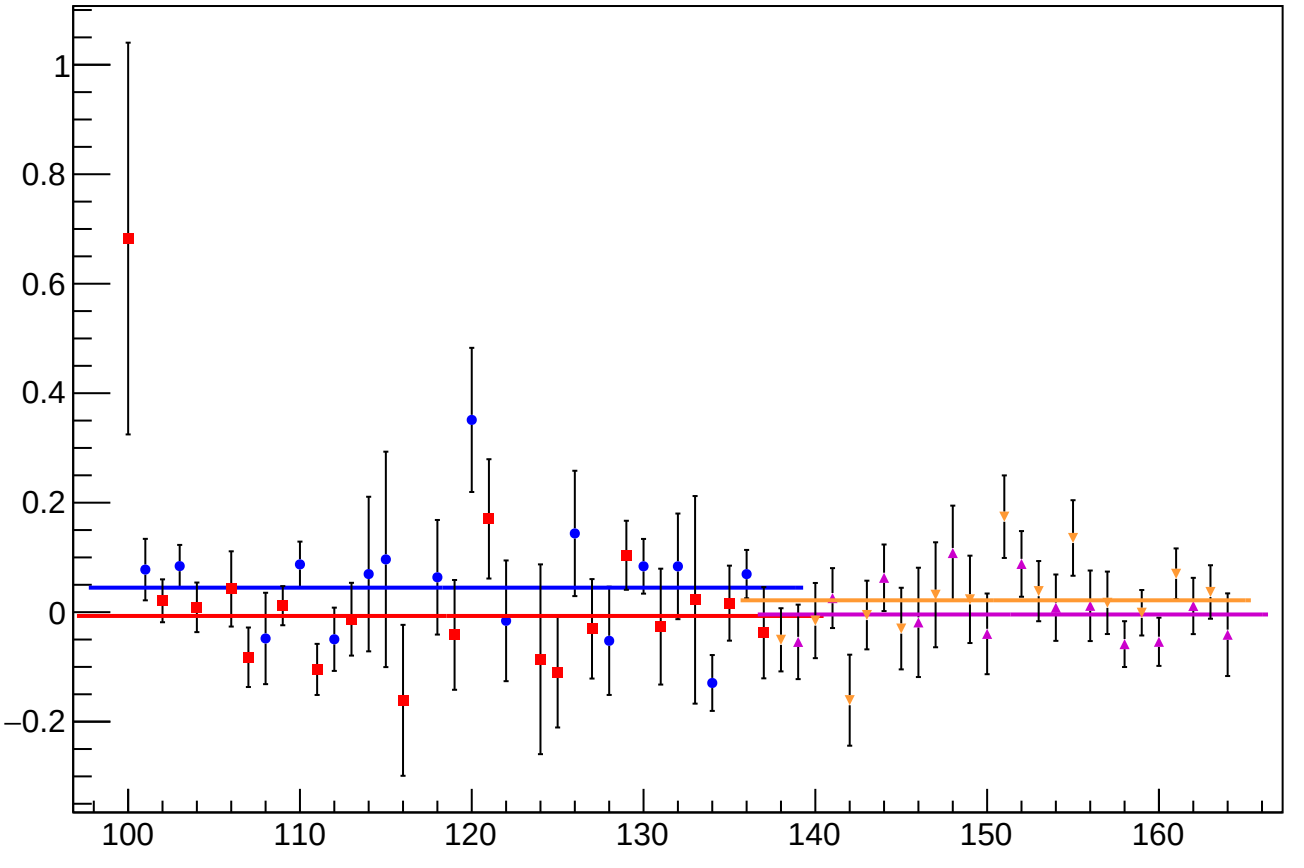
Left: 52.217+/-0.008 χ^2/NDF: 2053584.5/26

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.727+/-0.008 χ^2/NDF:3290727.0/28

Out: 43.821+/-0.008 χ^2/NDF:4031363.0/32

All: 44.734+/-0.006 χ^2/NDF: 7350712.8/61



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.022+/-0.016 χ^2/NDF:15.8/13

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.004+/-0.017 χ^2/NDF:9.7/12

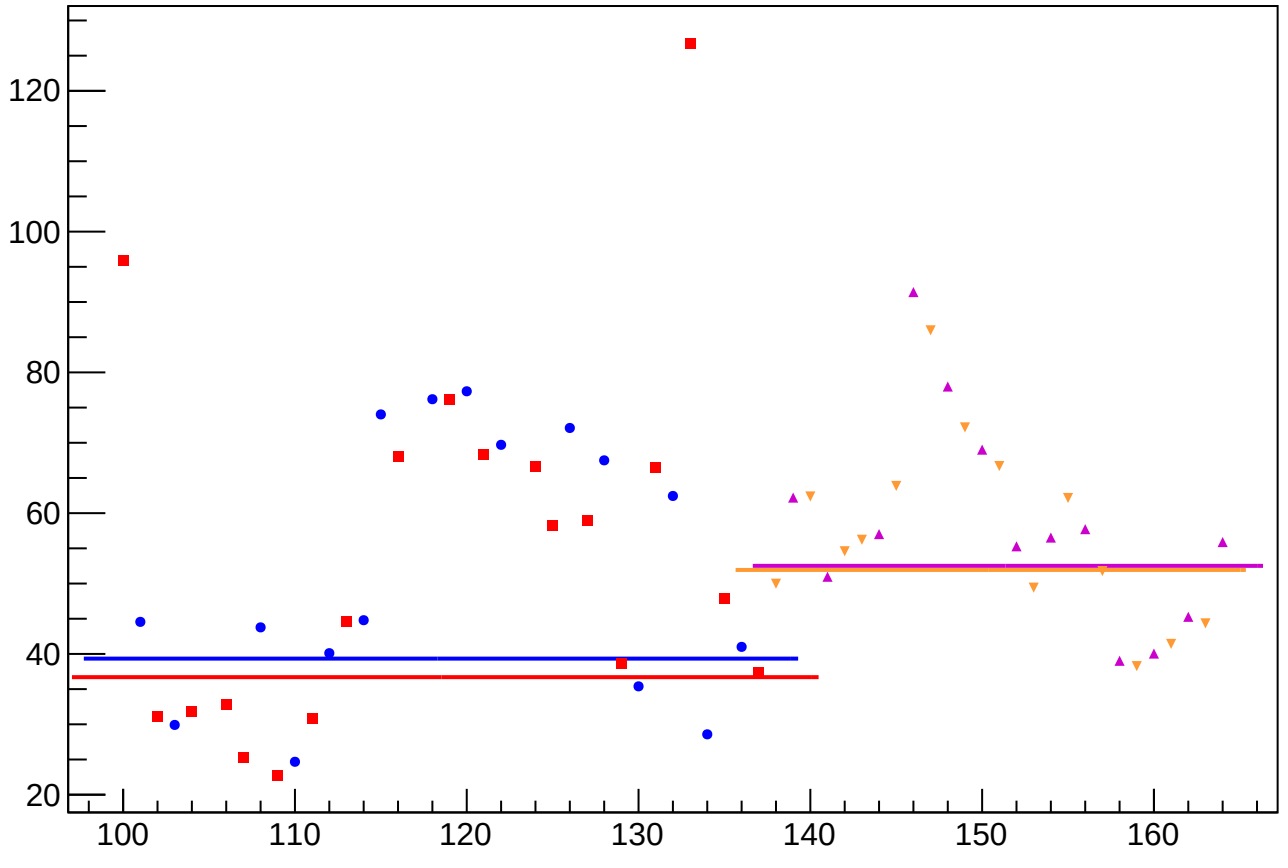
Left: 0.009+/-0.012 χ^2/NDF: 26.8/26

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.021+/-0.011 χ^2/NDF:40.9/28

Out: 0.006+/-0.011 χ^2/NDF:37.6/32

All: 0.013+/-0.008 χ^2/NDF: 79.3/61



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.932+/-0.011 χ^2/NDF:984493.7/13

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.514+/-0.012 χ^2/NDF:1067819.5/12

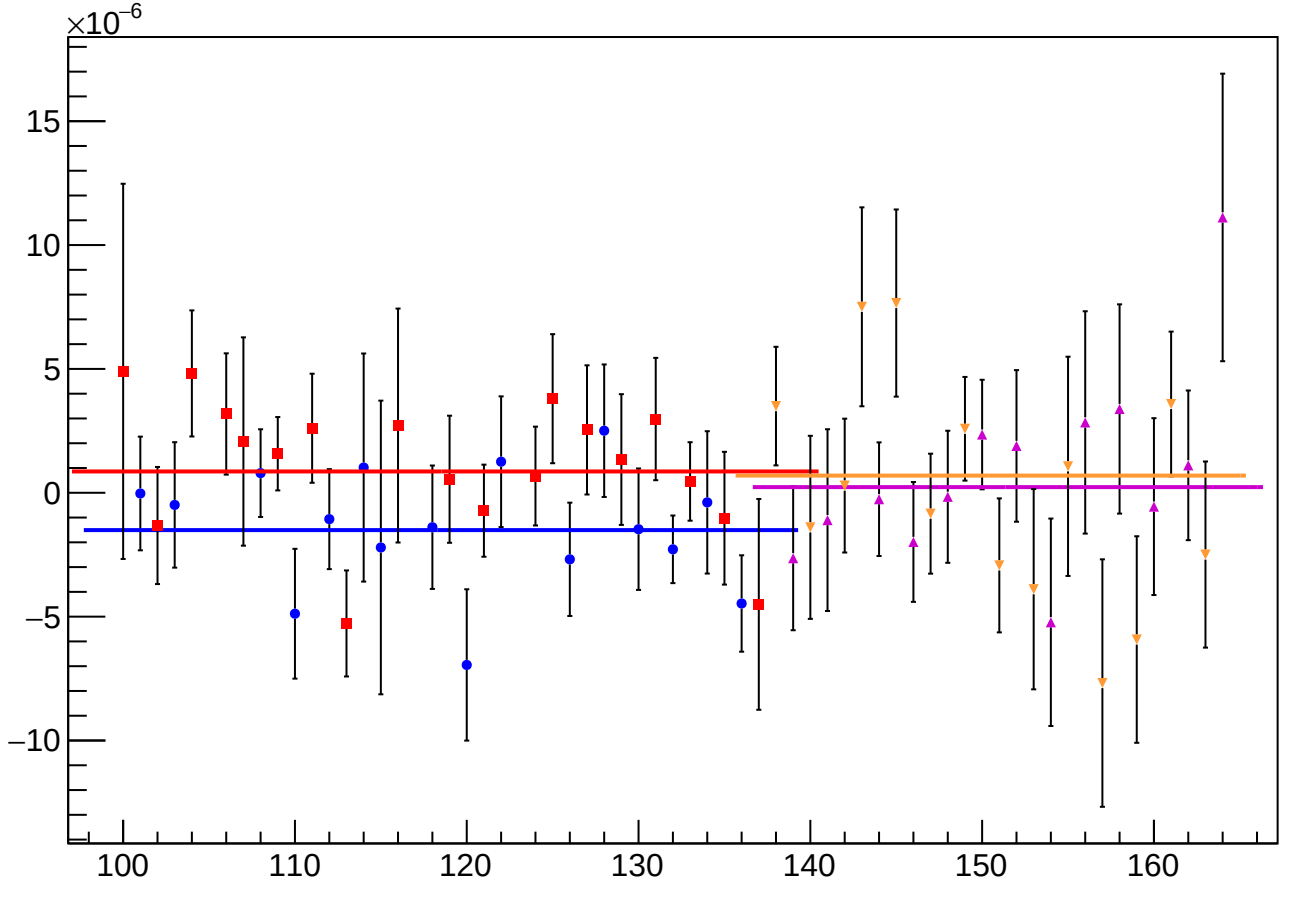
Left: 52.217+/-0.008 χ^2/NDF: 2053584.5/26

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.727+/-0.008 χ^2/NDF:3290727.0/28

Out: 43.821+/-0.008 χ^2/NDF:4031363.0/32

All: 44.734+/-0.006 χ^2/NDF: 7350712.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.5/12

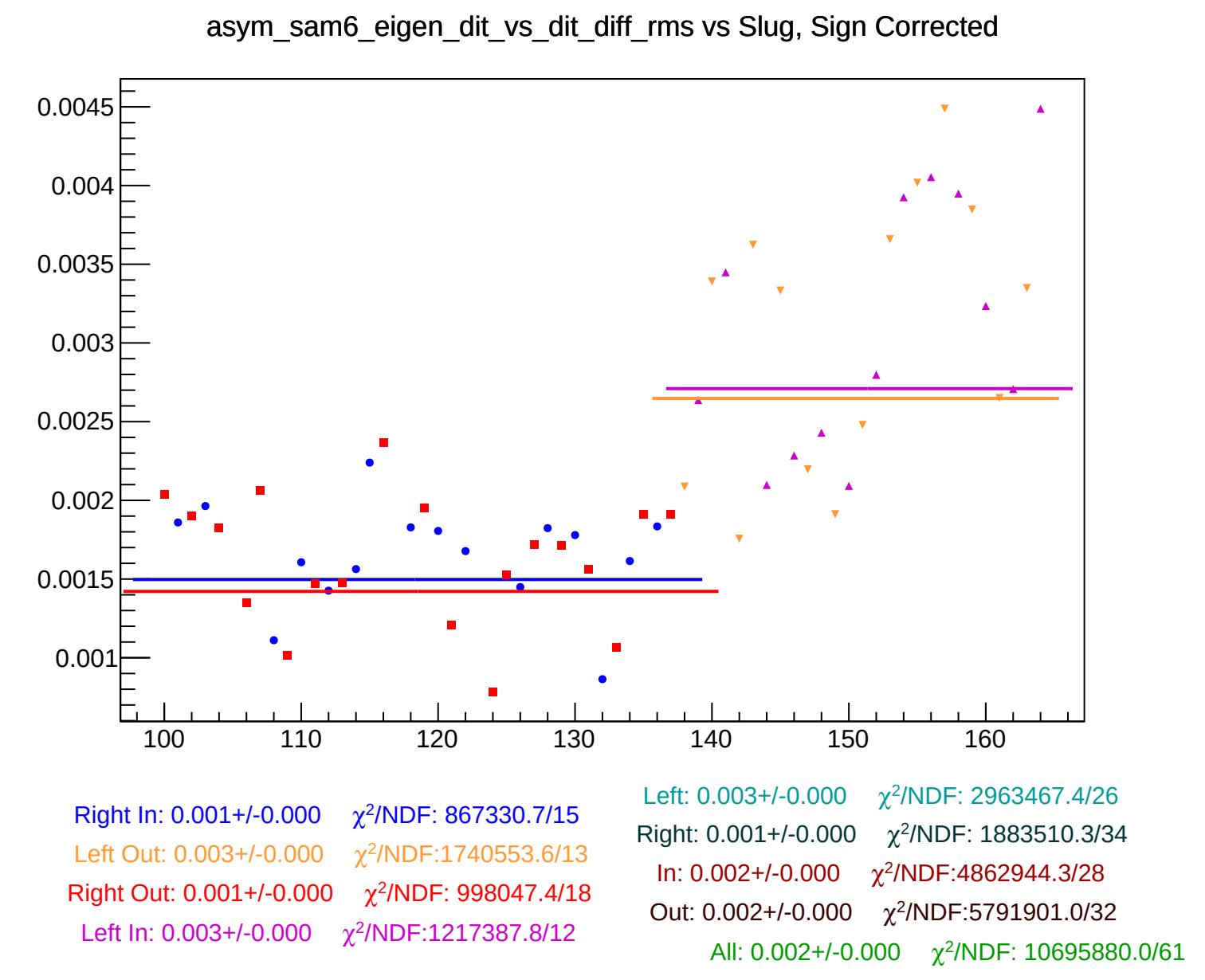
Left: 0.000+/-0.000 χ^2/NDF: 29.0/26

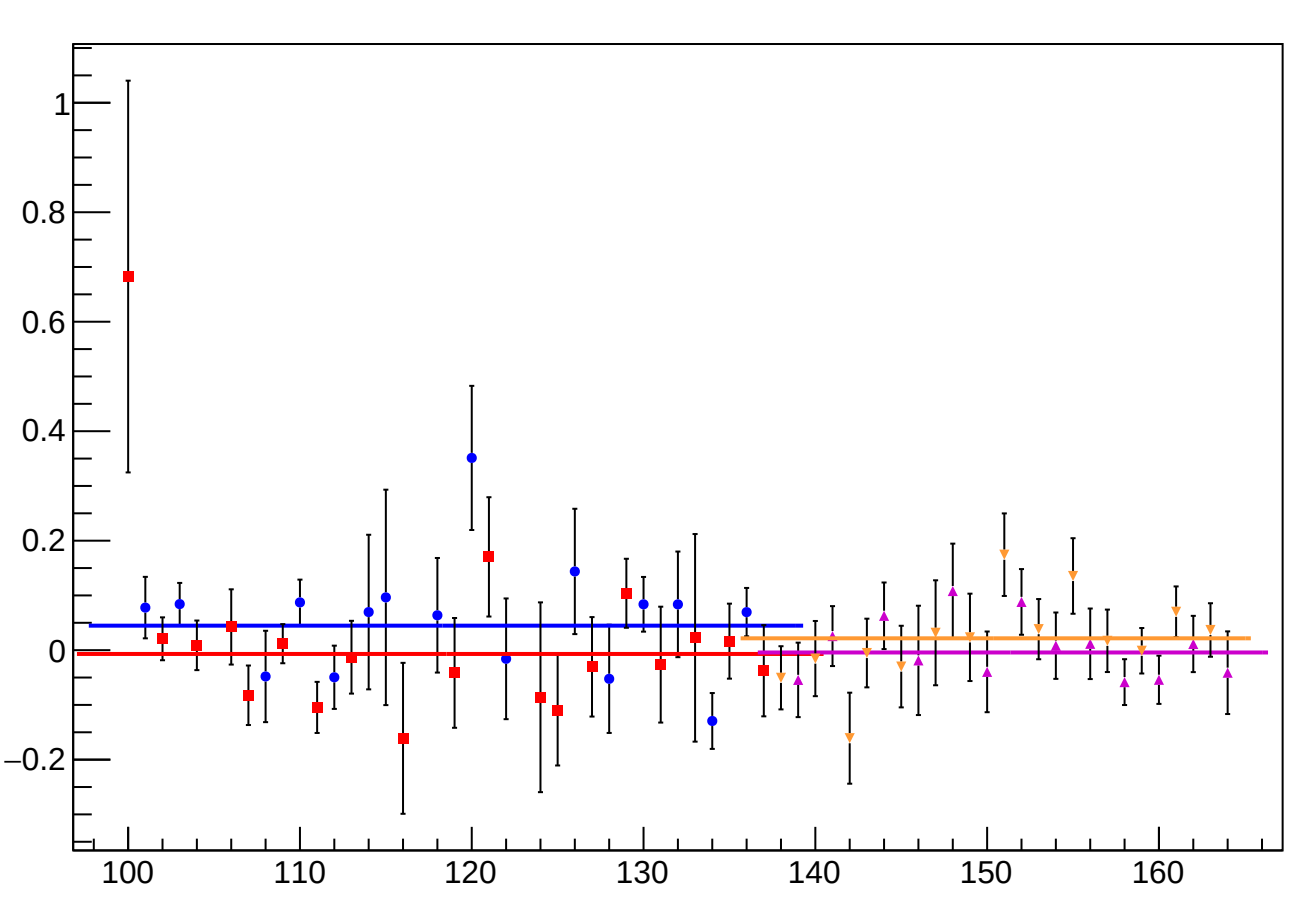
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:26.2/28

Out: 0.000+/-0.000 χ^2/NDF:38.5/32

All: -0.000+/-0.000 χ^2/NDF: 71.8/61


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:1740553.6/13
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1217387.8/12
Left: 0.003+/-0.000 χ²/NDF: 2963467.4/26
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:4862944.3/28
Out: 0.002+/-0.000 χ²/NDF:5791901.0/32
All: 0.002+/-0.000 χ²/NDF: 10695880.0/61



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.022+/-0.016 χ^2/NDF:15.8/13

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.004+/-0.017 χ^2/NDF:9.7/12

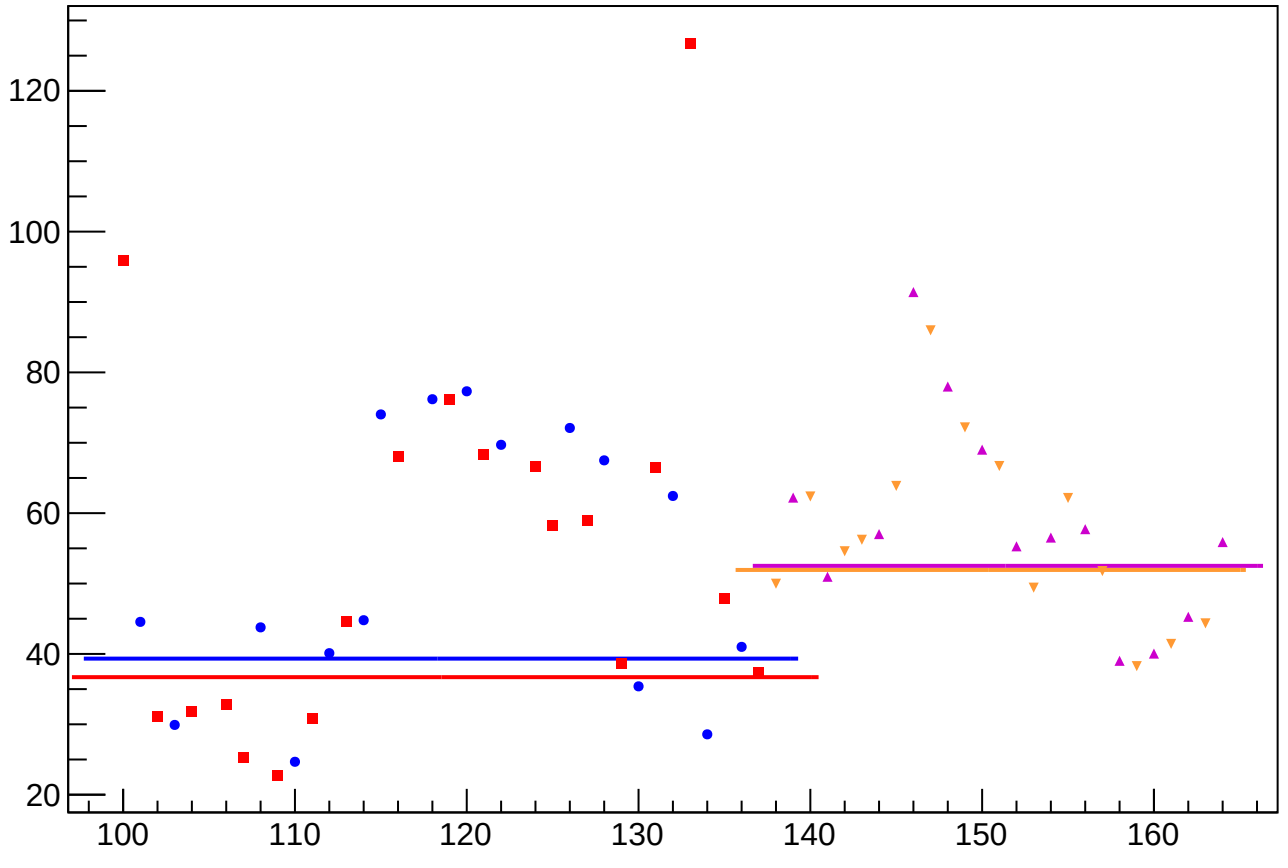
Left: 0.009+/-0.012 χ^2/NDF: 26.8/26

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.021+/-0.011 χ^2/NDF:40.9/28

Out: 0.006+/-0.011 χ^2/NDF:37.6/32

All: 0.013+/-0.008 χ^2/NDF: 79.3/61



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.931+/-0.011 χ^2/NDF:984562.0/13

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 52.513+/-0.012 χ^2/NDF:1067945.6/12

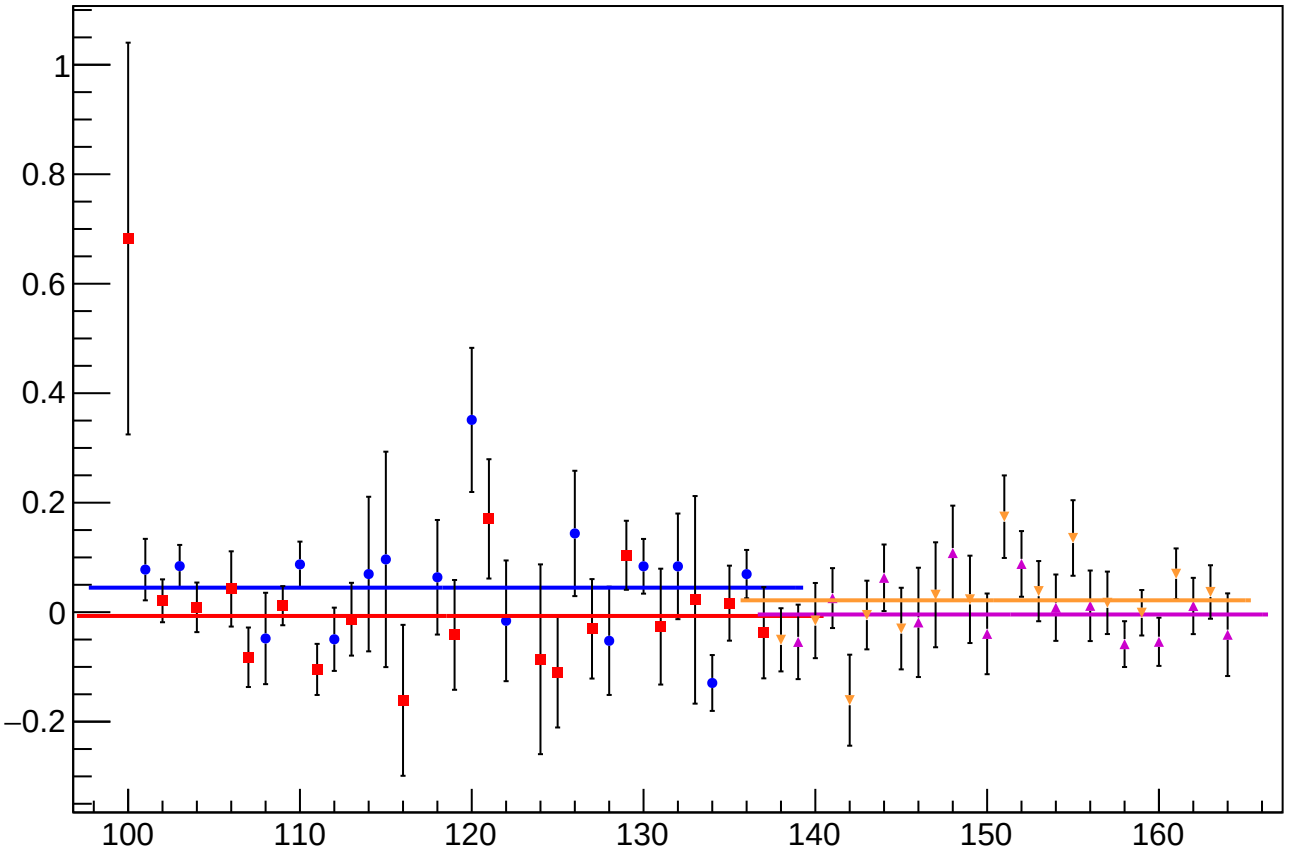
Left: 52.215+/-0.008 χ^2/NDF: 2053777.9/26

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.726+/-0.008 χ^2/NDF:3290824.9/28

Out: 43.820+/-0.008 χ^2/NDF:4031357.0/32

All: 44.733+/-0.006 χ^2/NDF: 7350796.6/61



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.022+/-0.016 χ^2/NDF:15.8/13

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.004+/-0.017 χ^2/NDF:9.7/12

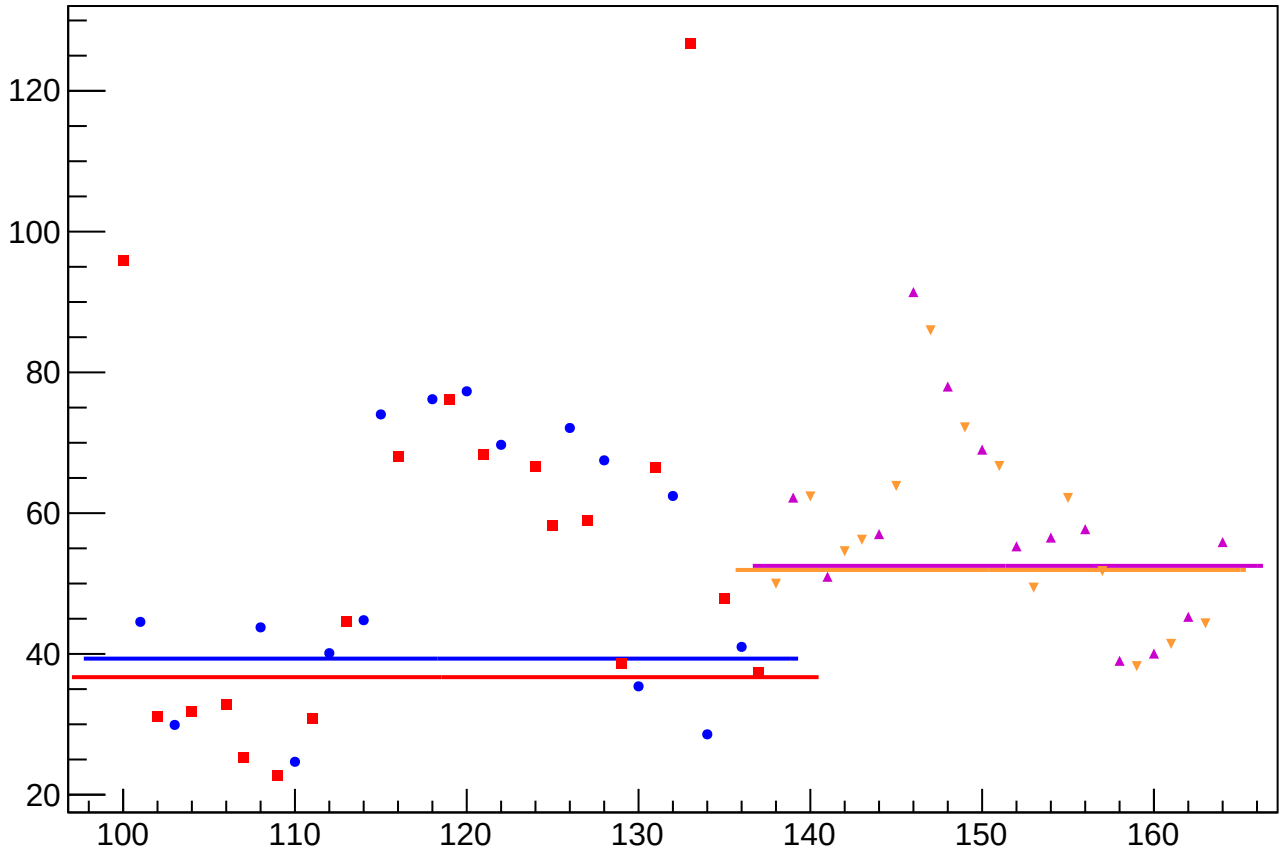
Left: 0.009+/-0.012 χ^2/NDF: 26.8/26

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.021+/-0.011 χ^2/NDF:40.9/28

Out: 0.006+/-0.011 χ^2/NDF:37.6/32

All: 0.013+/-0.008 χ^2/NDF: 79.3/61



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.931+/-0.011 χ^2/NDF:984562.0/13

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 52.513+/-0.012 χ^2/NDF:1067945.6/12

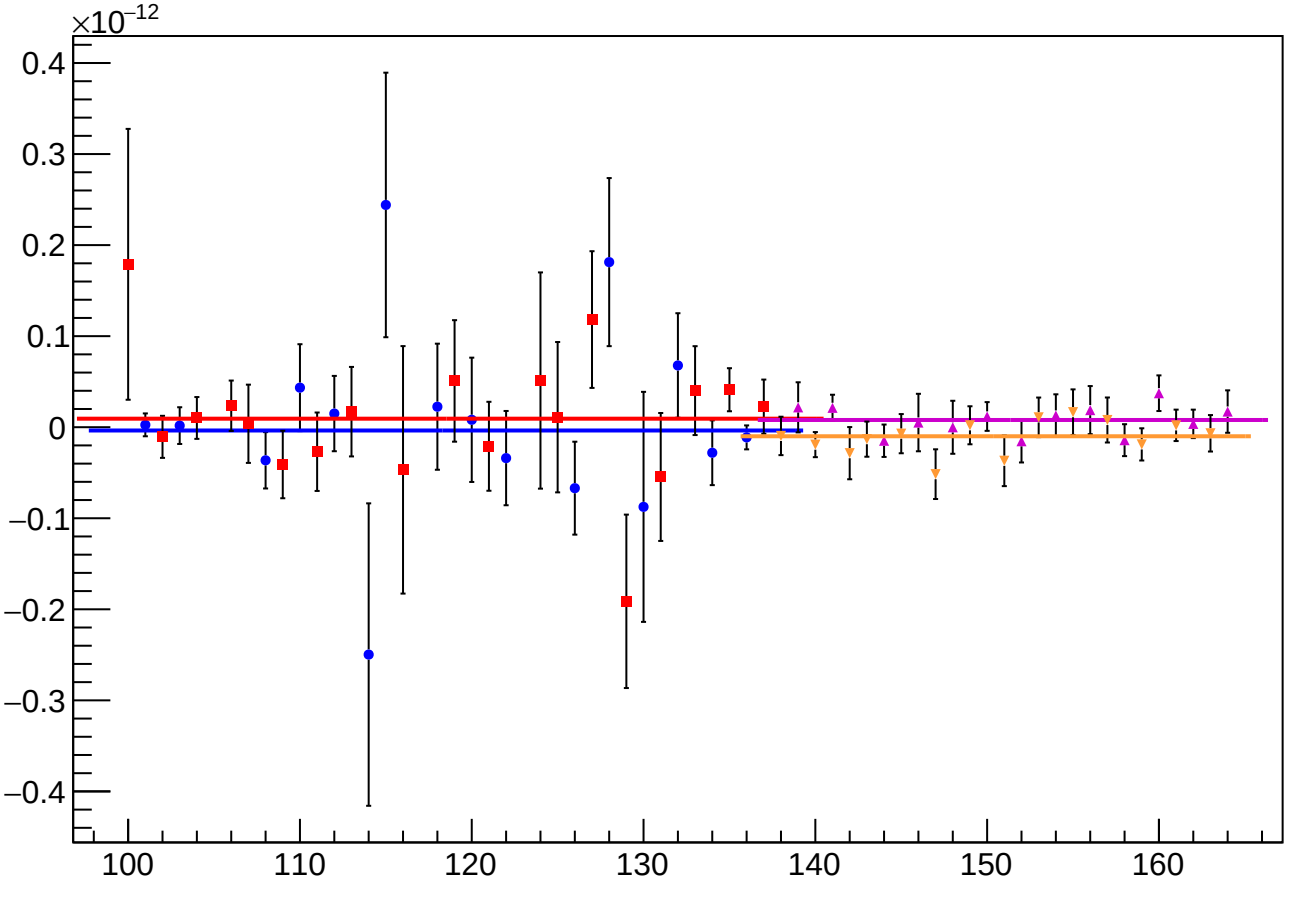
Left: 52.215+/-0.008 χ^2/NDF: 2053777.9/26

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.726+/-0.008 χ^2/NDF:3290824.9/28

Out: 43.820+/-0.008 χ^2/NDF:4031357.0/32

All: 44.733+/-0.006 χ^2/NDF: 7350796.6/61



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/12

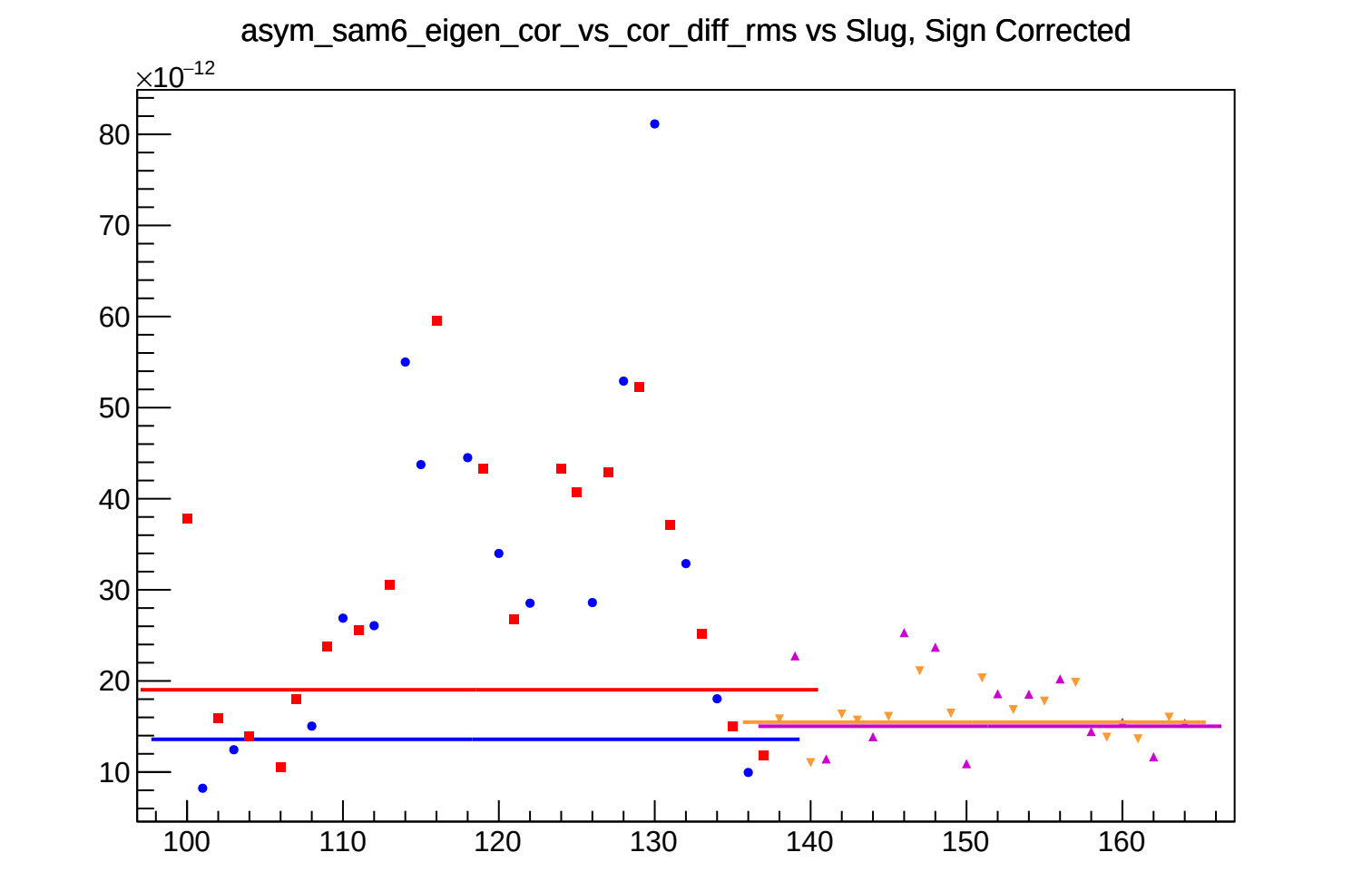
Left: -0.000+/-0.000 χ^2/NDF: 21.3/26

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:26.4/28

Out: -0.000+/-0.000 χ^2/NDF:26.9/32

All: -0.000+/-0.000 χ^2/NDF: 55.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:491761.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1081912.5/12

Left: 0.000+/-0.000 χ^2/NDF: 1580325.7/26

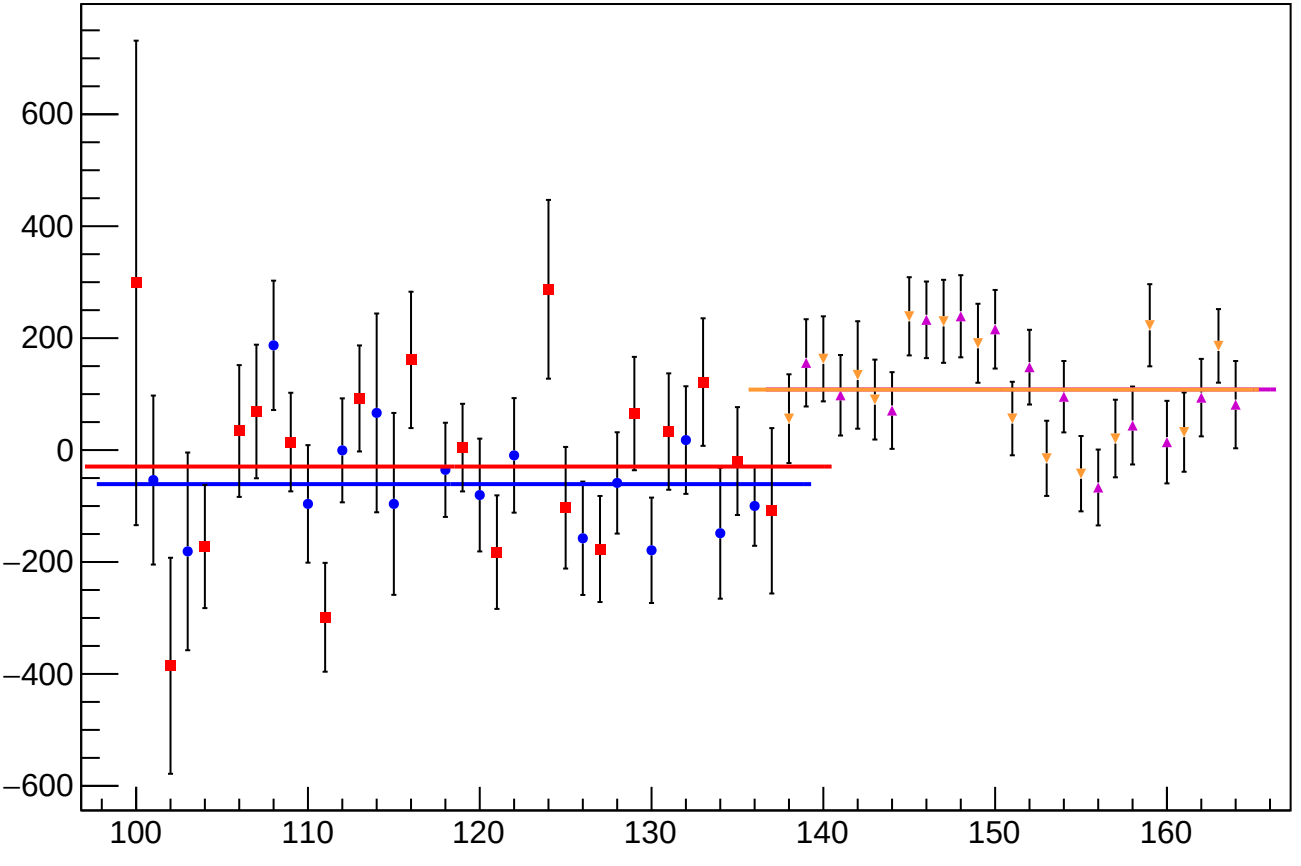
Right: 0.000+/-0.000 χ^2/NDF: 5674807.3/34

In: 0.000+/-0.000 χ^2/NDF:4318526.6/28

Out: 0.000+/-0.000 χ^2/NDF:2764198.2/32

All: 0.000+/-0.000 χ^2/NDF: 7263341.4/61

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.032+/-19.162 χ^2/NDF:24.2/13

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 108.309+/-19.522 χ^2/NDF:19.2/12

Left: 108.168+/-13.675 χ^2/NDF: 43.5/26

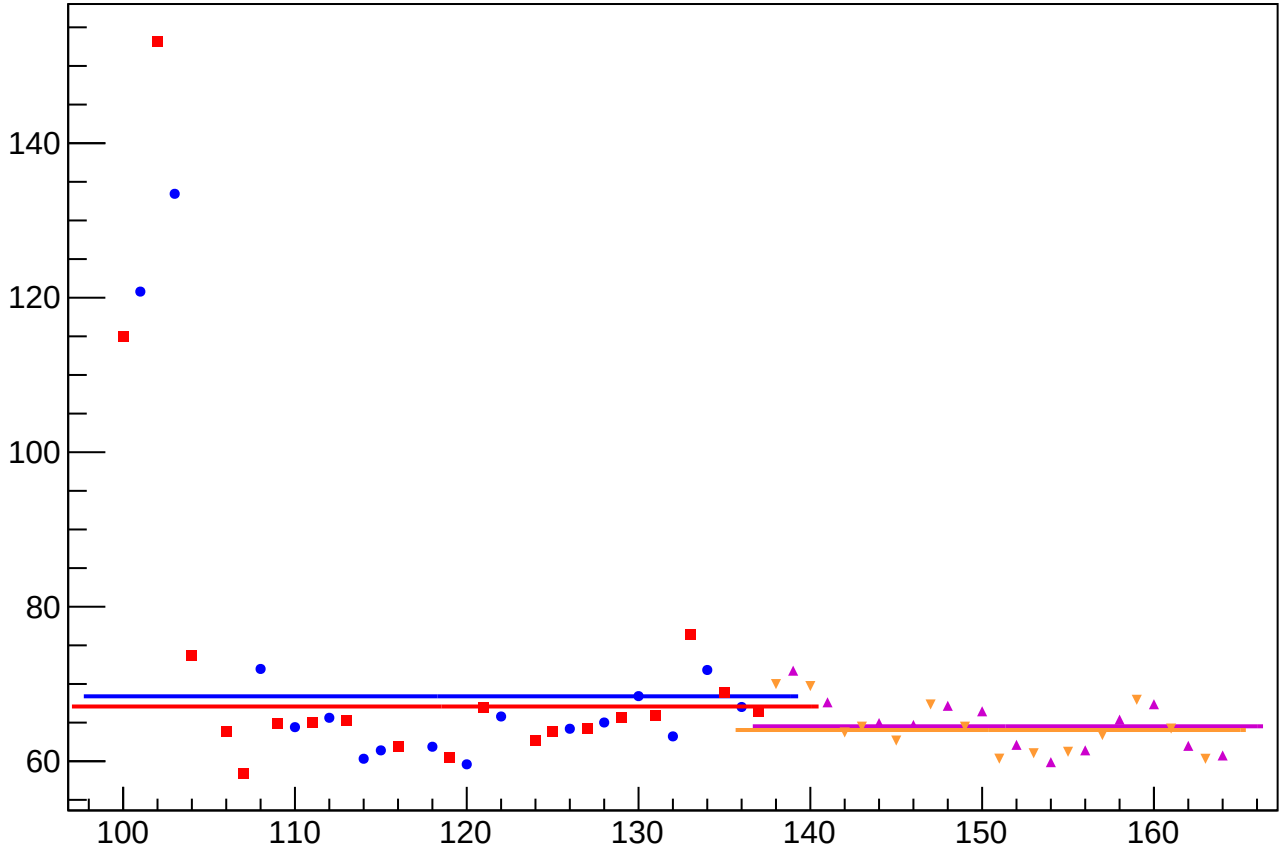
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 47.484+/-15.623 χ^2/NDF:56.8/28

Out: 57.422+/-15.232 χ^2/NDF:74.4/32

All: 52.579+/-10.906 χ^2/NDF: 131.4/61

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.042+/-0.014 χ^2/NDF:53547.2/13

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 64.523+/-0.014 χ^2/NDF:53080.2/12

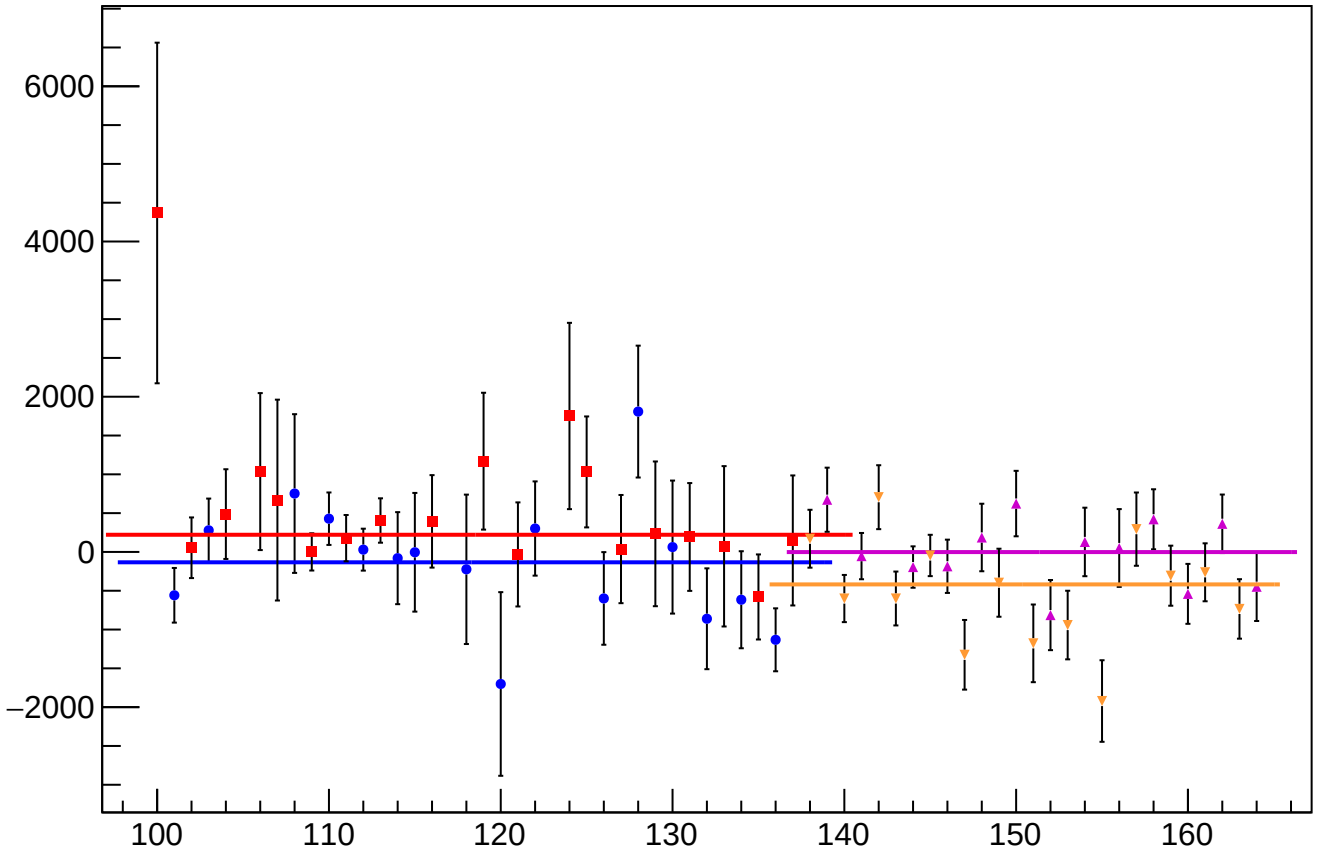
Left: 64.278+/-0.010 χ^2/NDF: 107244.8/26

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.918+/-0.011 χ^2/NDF:651047.4/28

Out: 65.163+/-0.011 χ^2/NDF:553932.5/32

All: 65.531+/-0.008 χ^2/NDF: 1207378.2/61



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -418.275+/-102.945 χ^2/NDF:31.7/13

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: -1.804+/-105.328 χ^2/NDF:14.3/12

Left: -214.804+/-73.621 χ^2/NDF: 54.0/26

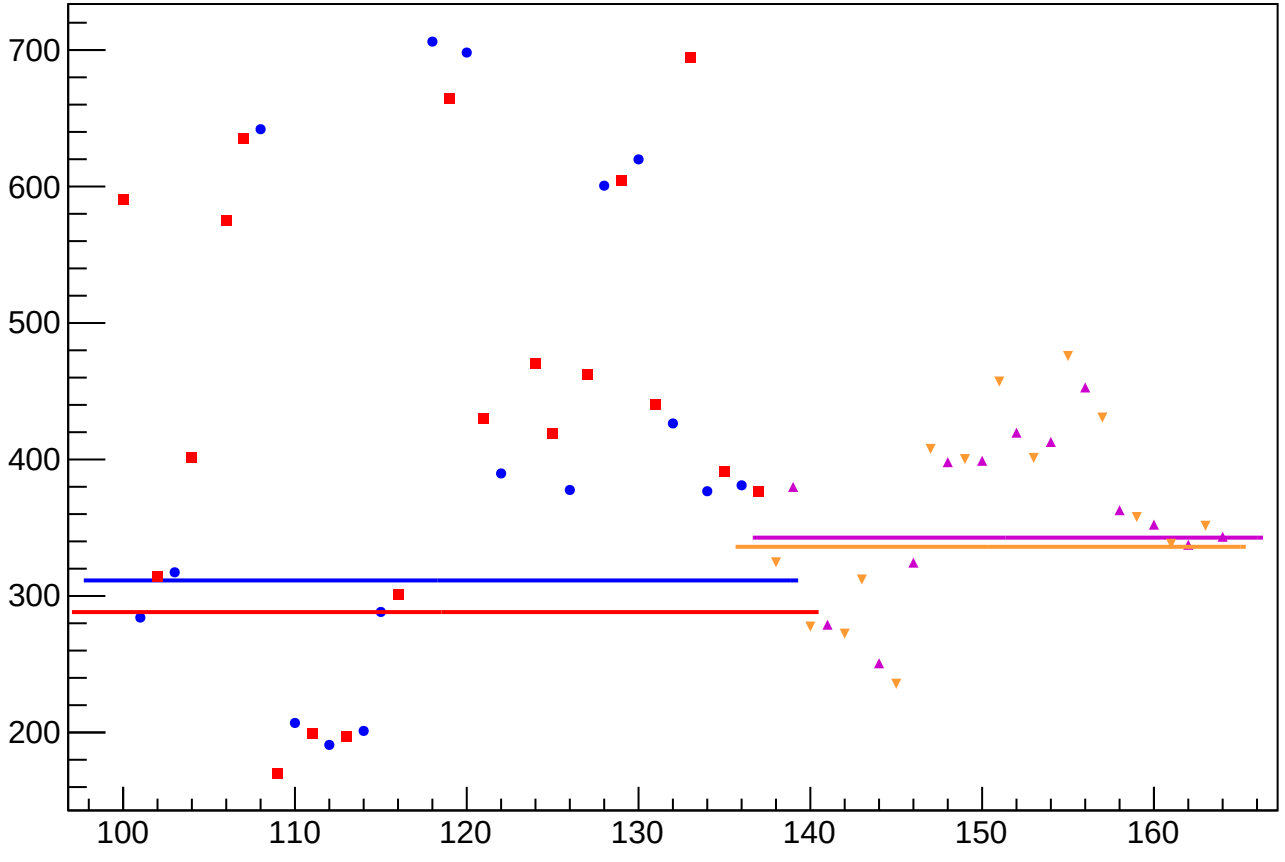
Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -56.062+/-80.786 χ^2/NDF:37.4/28

Out: -141.278+/-77.511 χ^2/NDF:61.0/32

All: -100.432+/-55.931 χ^2/NDF: 99.0/61

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 336.031+/-0.073 χ^2/NDF:903512.0/13

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 342.750+/-0.074 χ^2/NDF:631362.8/12

Left: 339.314+/-0.052 χ^2/NDF: 1539037.4/26

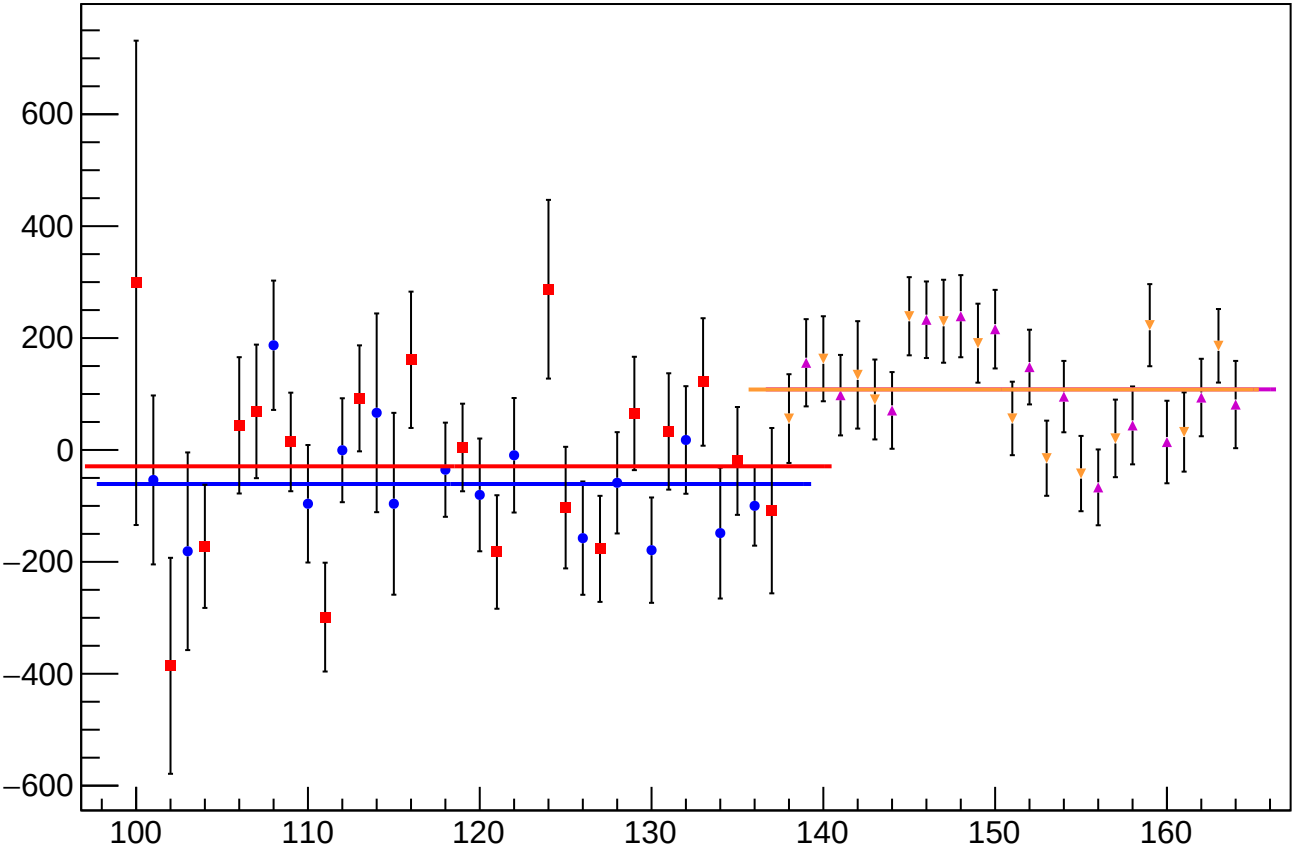
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 329.837+/-0.057 χ^2/NDF:2828175.2/28

Out: 315.319+/-0.055 χ^2/NDF:3805843.1/32

All: 322.278+/-0.040 χ^2/NDF: 6667652.4/61

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.033+/-19.162 χ^2/NDF:24.2/13

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 108.308+/-19.522 χ^2/NDF:19.2/12

Left: 108.168+/-13.675 χ^2/NDF: 43.5/26

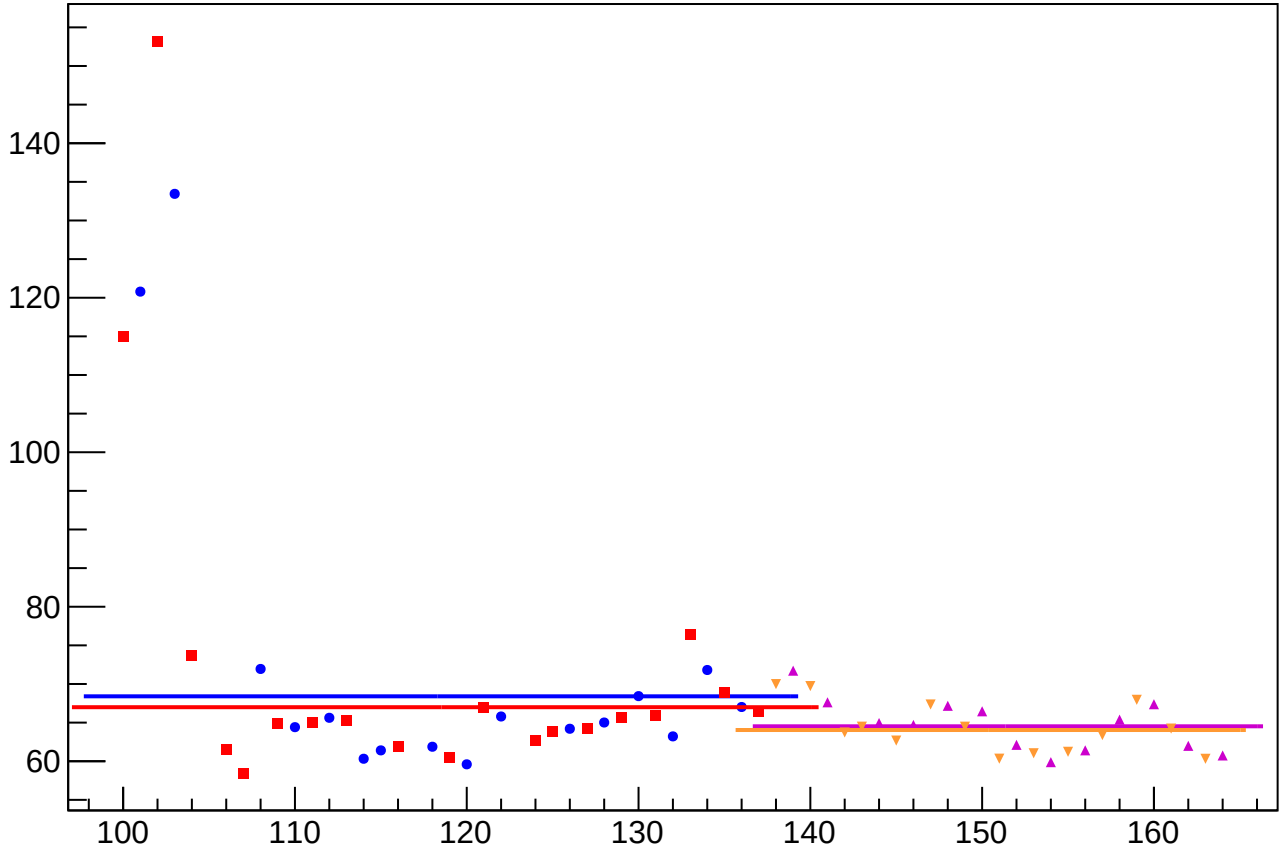
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 47.483+/-15.623 χ^2/NDF:56.8/28

Out: 57.603+/-15.240 χ^2/NDF:74.4/32

All: 52.669+/-10.909 χ^2/NDF: 131.4/61

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.042+/-0.014 χ^2/NDF:53547.2/13

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.523+/-0.014 χ^2/NDF:53080.2/12

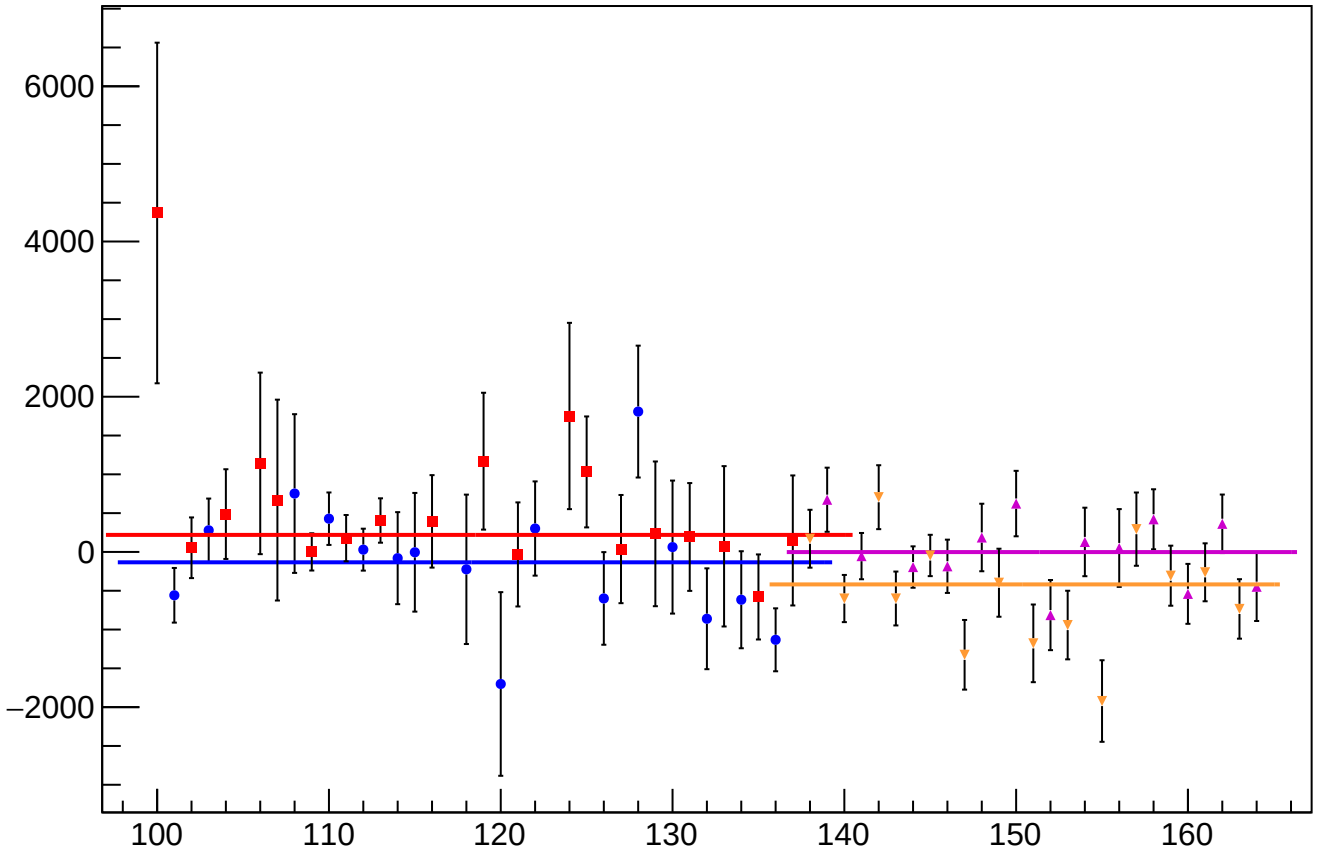
Left: 64.278+/-0.010 χ^2/NDF: 107244.8/26

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.918+/-0.011 χ^2/NDF:651047.7/28

Out: 65.127+/-0.011 χ^2/NDF:555476.7/32

All: 65.513+/-0.008 χ^2/NDF: 1209152.7/61



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -418.275+/-102.945 χ^2/NDF:31.7/13

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -1.809+/-105.328 χ^2/NDF:14.3/12

Left: -214.807+/-73.621 χ^2/NDF: 54.0/26

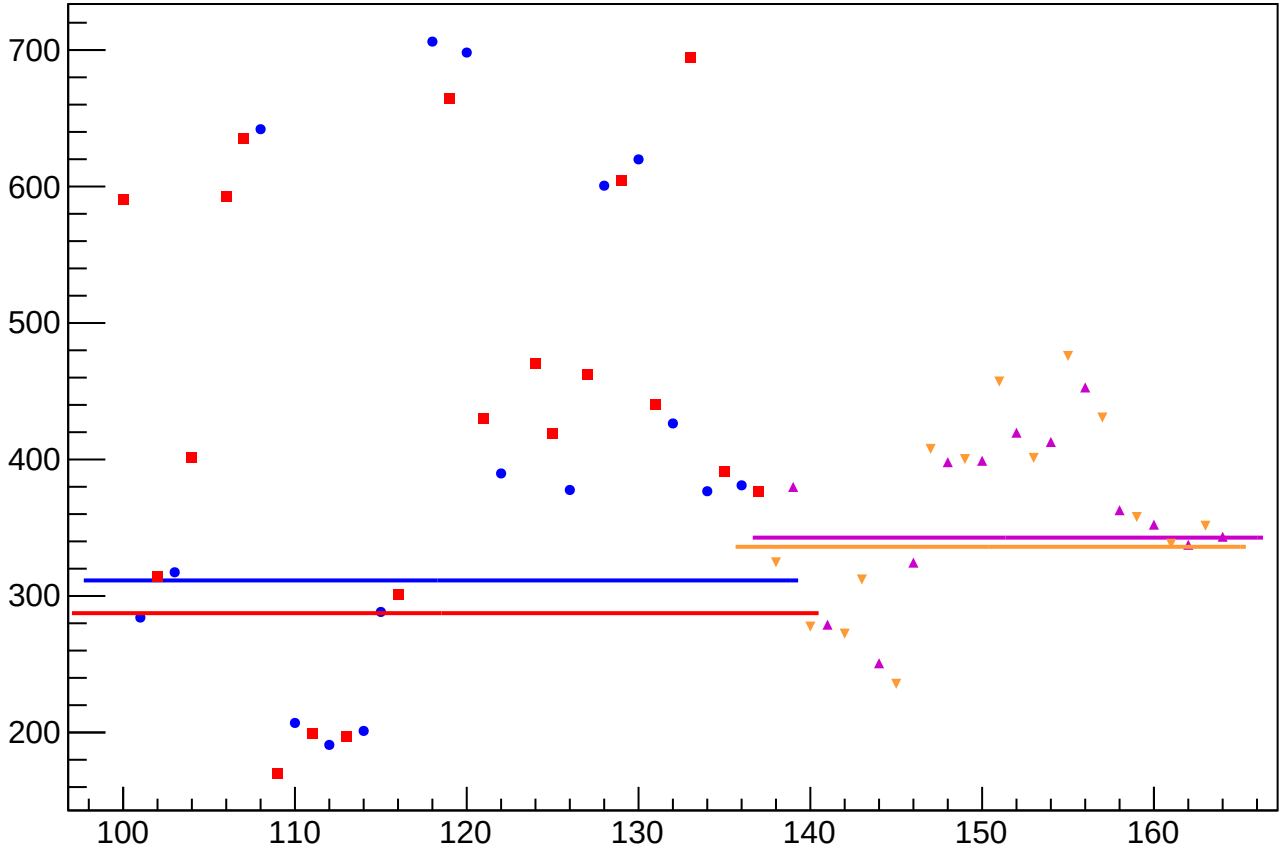
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -56.064+/-80.786 χ^2/NDF:37.4/28

Out: -142.568+/-77.570 χ^2/NDF:60.8/32

All: -101.072+/-55.953 χ^2/NDF: 98.8/61

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 336.031+/-0.073 χ^2/NDF:903517.0/13

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 342.751+/-0.074 χ^2/NDF:631359.8/12

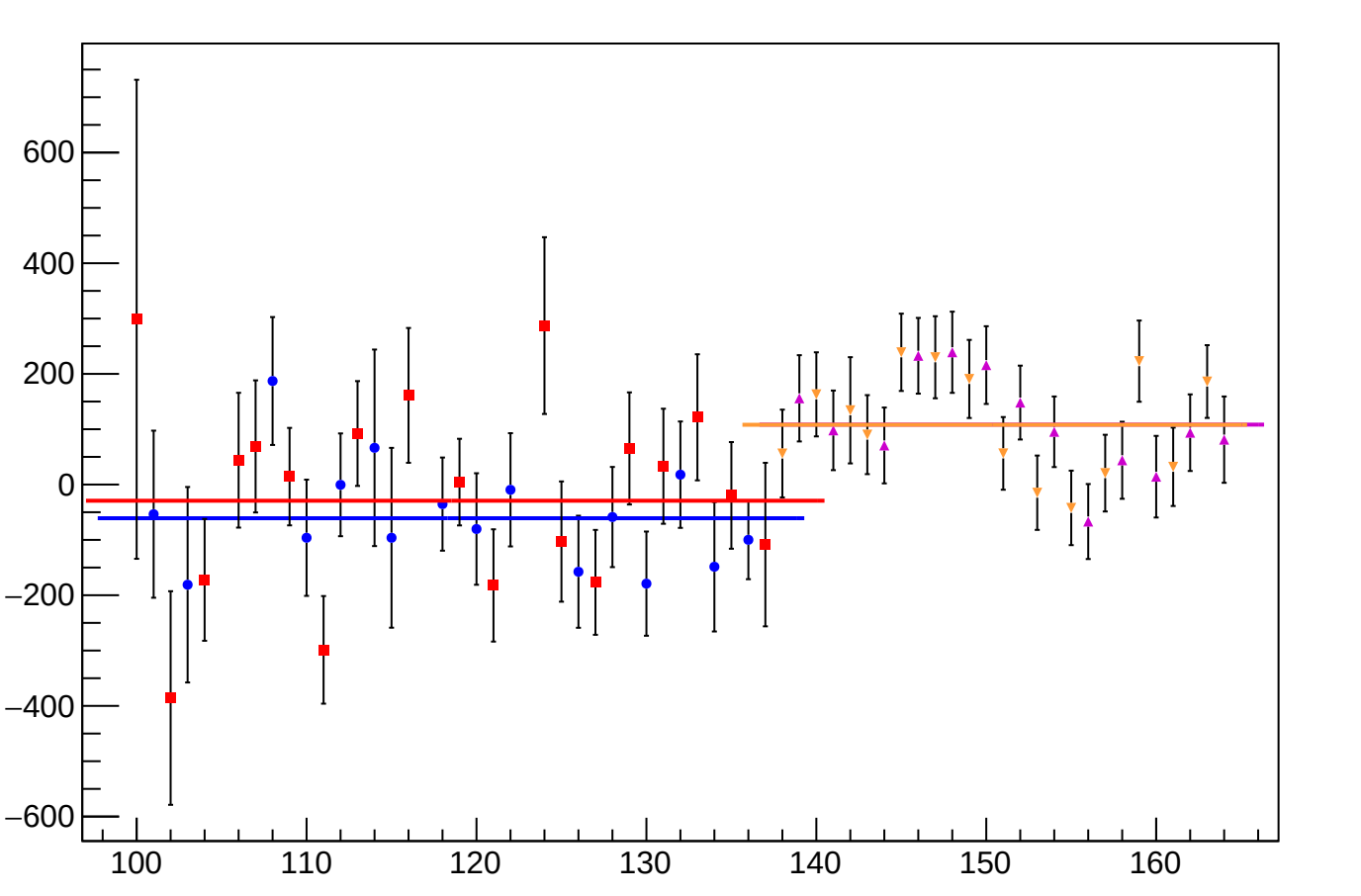
Left: 339.314+/-0.052 χ^2/NDF: 1539040.1/26

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 329.838+/-0.057 χ^2/NDF:2828165.2/28

Out: 315.017+/-0.055 χ^2/NDF:3786580.0/32

All: 322.127+/-0.040 χ^2/NDF: 6649768.2/61



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.033+/-19.162 χ^2/NDF:24.2/13

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 108.308+/-19.522 χ^2/NDF:19.2/12

Left: 108.168+/-13.675 χ^2/NDF: 43.5/26

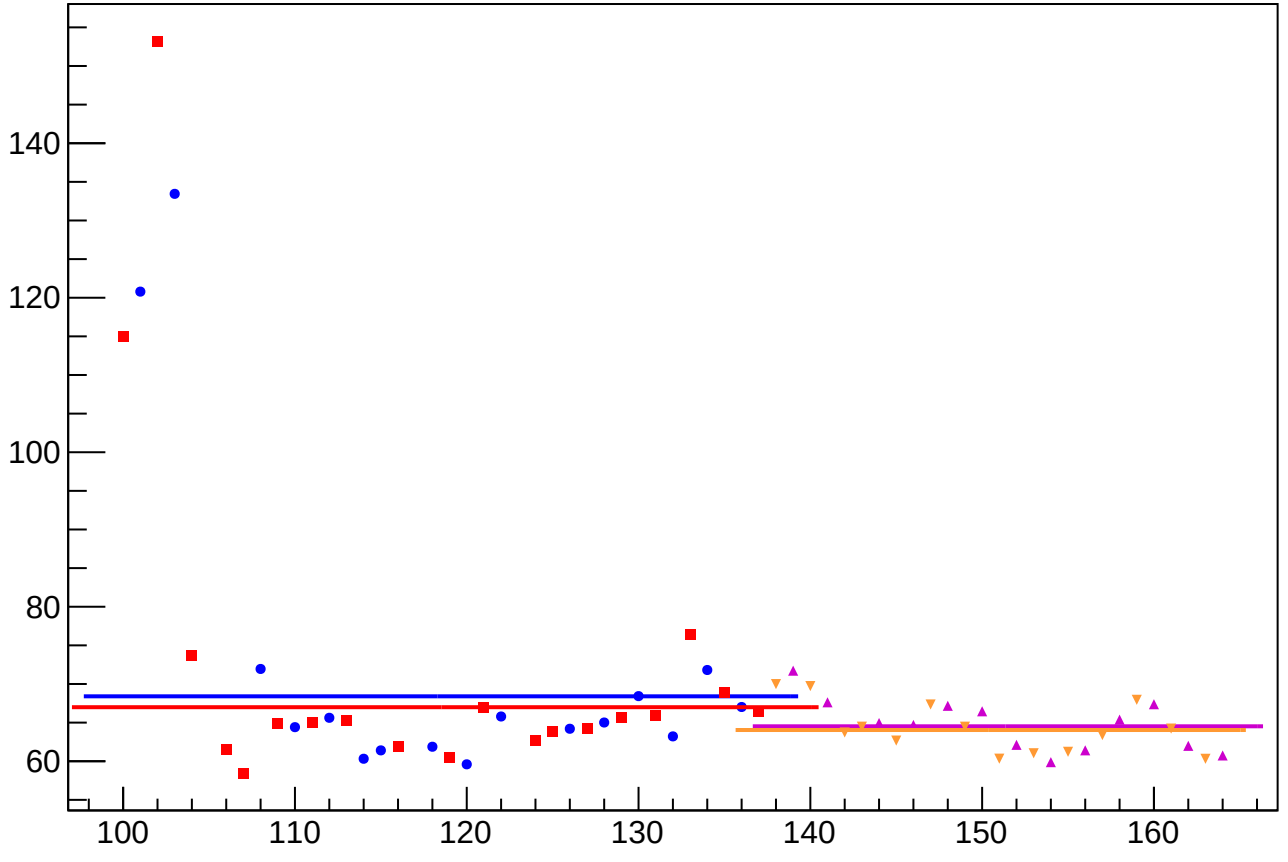
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 47.483+/-15.623 χ^2/NDF:56.8/28

Out: 57.603+/-15.240 χ^2/NDF:74.4/32

All: 52.669+/-10.909 χ^2/NDF: 131.4/61

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.042+/-0.014 χ^2/NDF:53547.2/13

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.523+/-0.014 χ^2/NDF:53080.2/12

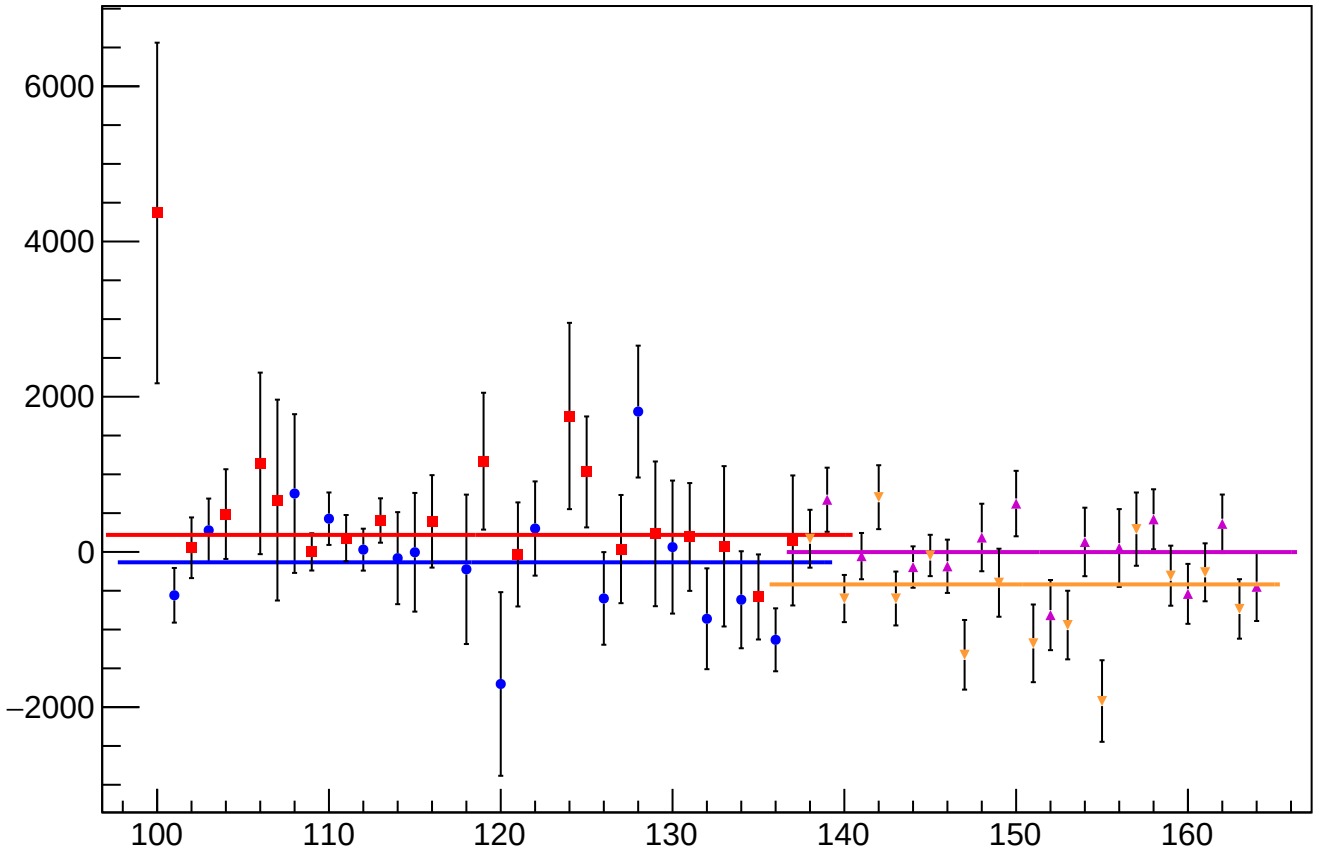
Left: 64.278+/-0.010 χ^2/NDF: 107244.8/26

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.918+/-0.011 χ^2/NDF:651047.7/28

Out: 65.127+/-0.011 χ^2/NDF:555476.7/32

All: 65.513+/-0.008 χ^2/NDF: 1209152.7/61



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -418.275+/-102.945 χ^2/NDF:31.7/13

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -1.809+/-105.328 χ^2/NDF:14.3/12

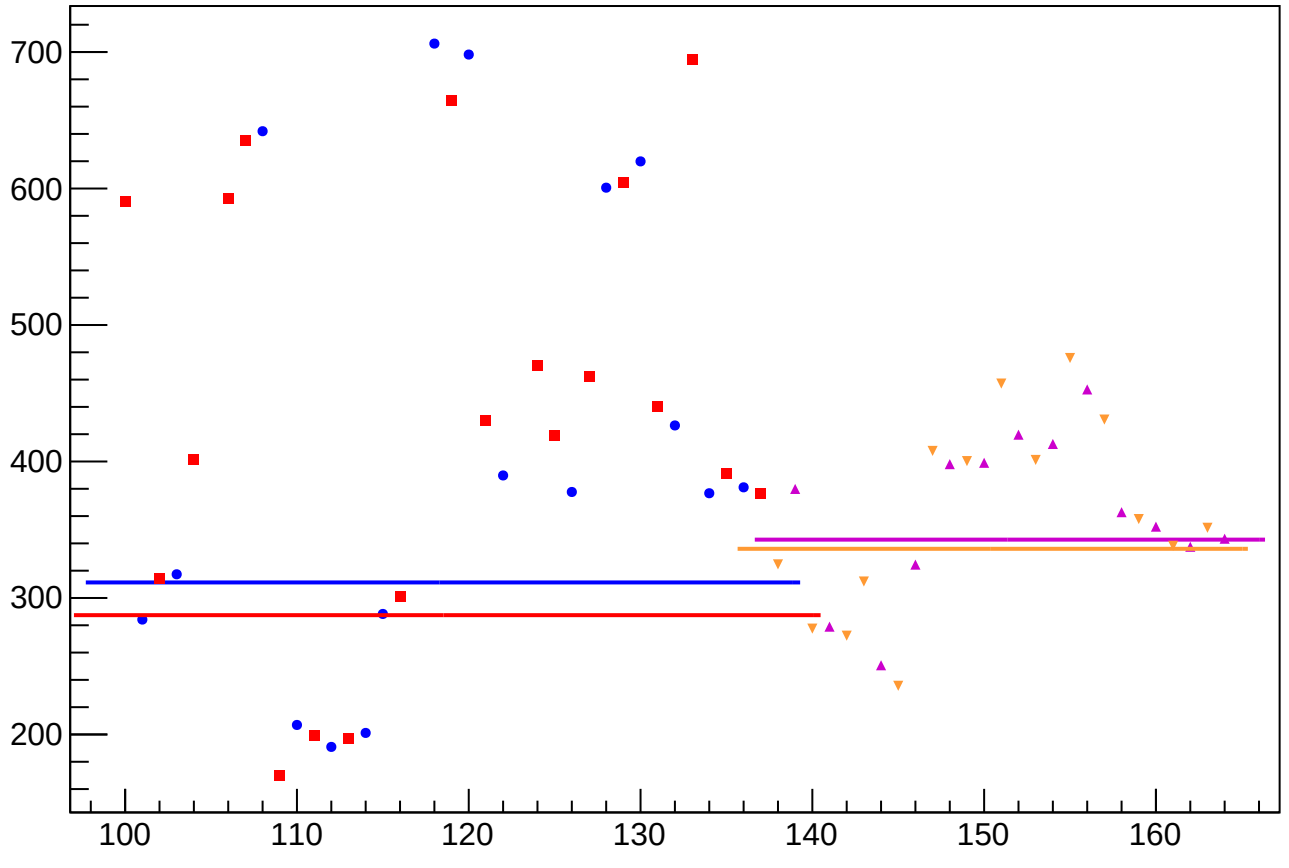
Left: -214.807+/-73.621 χ^2/NDF: 54.0/26

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -56.064+/-80.786 χ^2/NDF:37.4/28

Out: -142.568+/-77.570 χ^2/NDF:60.8/32

All: -101.072+/-55.953 χ^2/NDF: 98.8/61



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 336.031+/-0.073 χ^2/NDF:903517.0/13

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 342.751+/-0.074 χ^2/NDF:631359.8/12

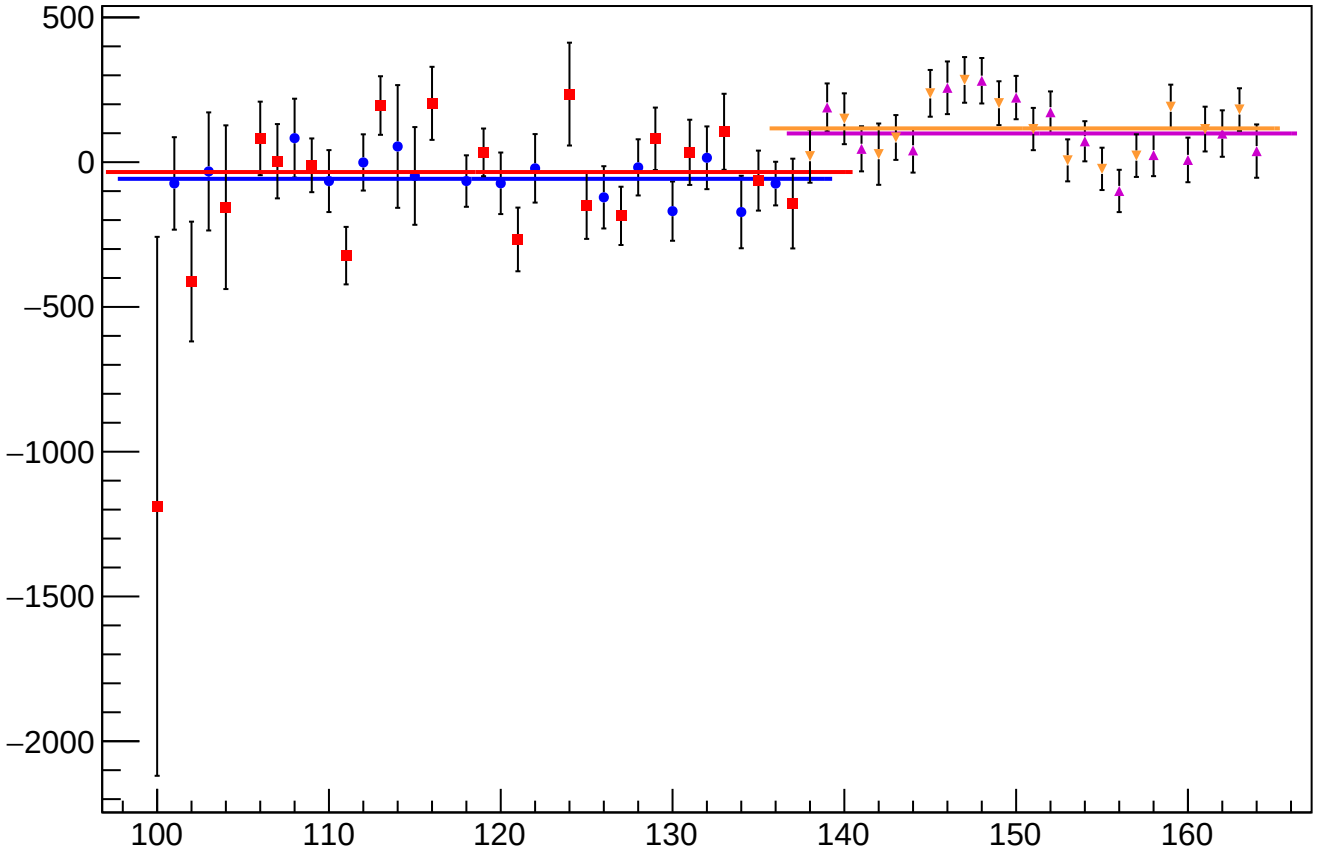
Left: 339.314+/-0.052 χ^2/NDF: 1539040.1/26

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 329.838+/-0.057 χ^2/NDF:2828165.2/28

Out: 315.017+/-0.055 χ^2/NDF:3786580.0/32

All: 322.127+/-0.040 χ^2/NDF: 6649768.2/61



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 116.707+/-21.002 χ^2/NDF:19.5/13

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 99.165+/-21.514 χ^2/NDF:24.8/12

Left: 108.147+/-15.028 χ^2/NDF: 44.7/26

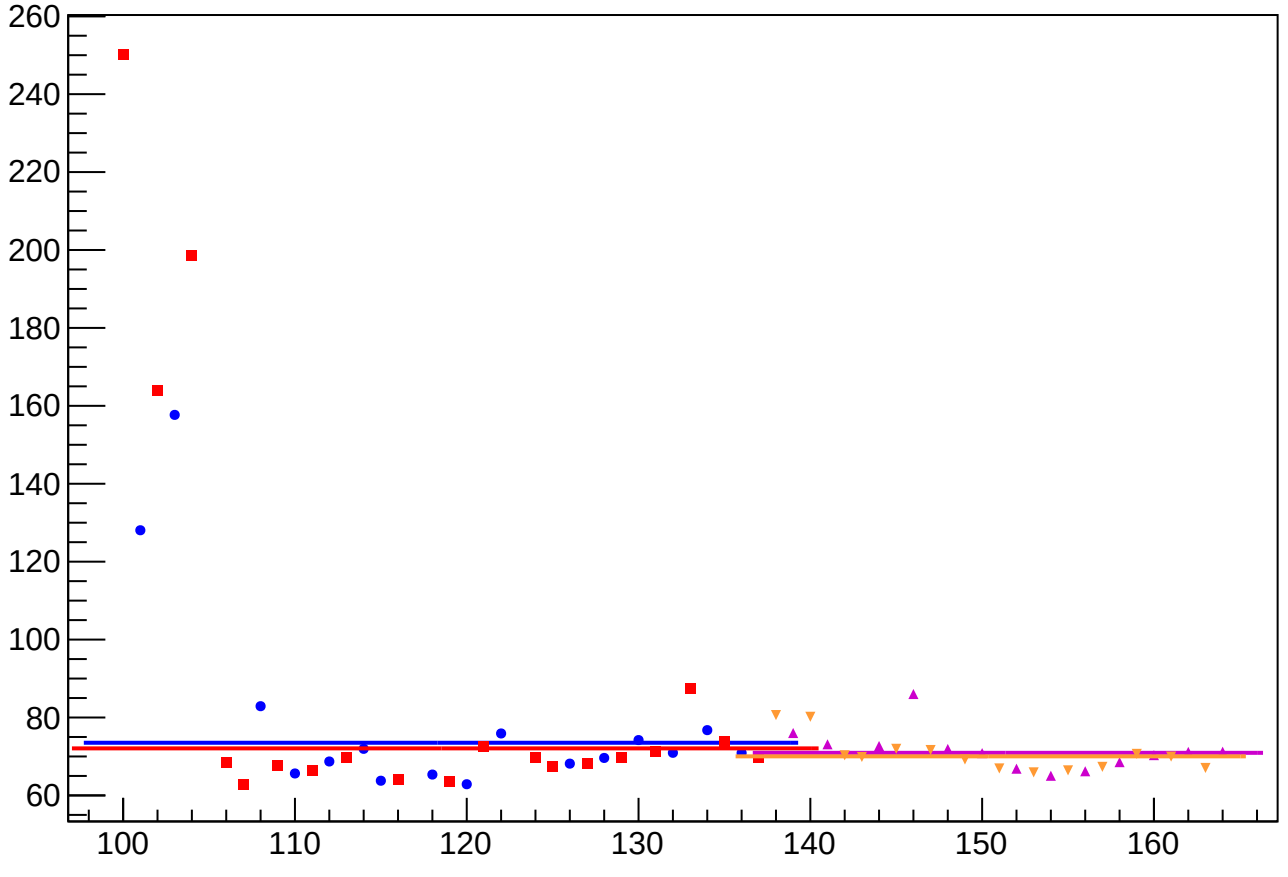
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 41.221+/-17.079 χ^2/NDF:49.3/28

Out: 60.917+/-16.668 χ^2/NDF:75.8/32

All: 51.309+/-11.929 χ^2/NDF: 125.8/61

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.031+/-0.015 χ^2/NDF:76694.8/13

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 70.934+/-0.015 χ^2/NDF:97084.1/12

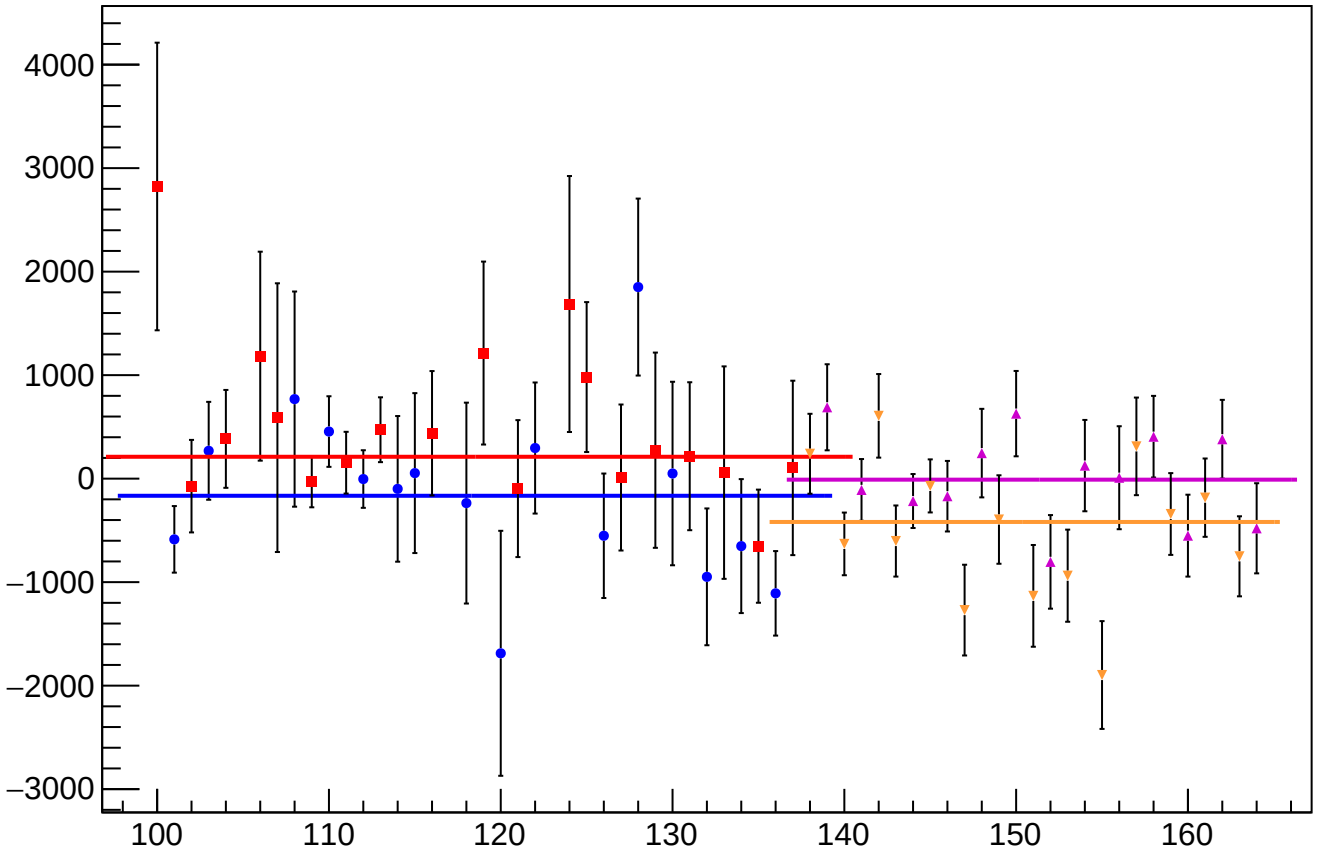
Left: 70.472+/-0.011 χ^2/NDF: 175585.8/26

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.890+/-0.012 χ^2/NDF:764606.3/28

Out: 70.787+/-0.012 χ^2/NDF:1042197.3/32

All: 71.325+/-0.008 χ^2/NDF: 1811077.5/61



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -418.513+/-102.286 χ^2/NDF:30.9/13

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: -9.887+/-104.963 χ^2/NDF:14.9/12

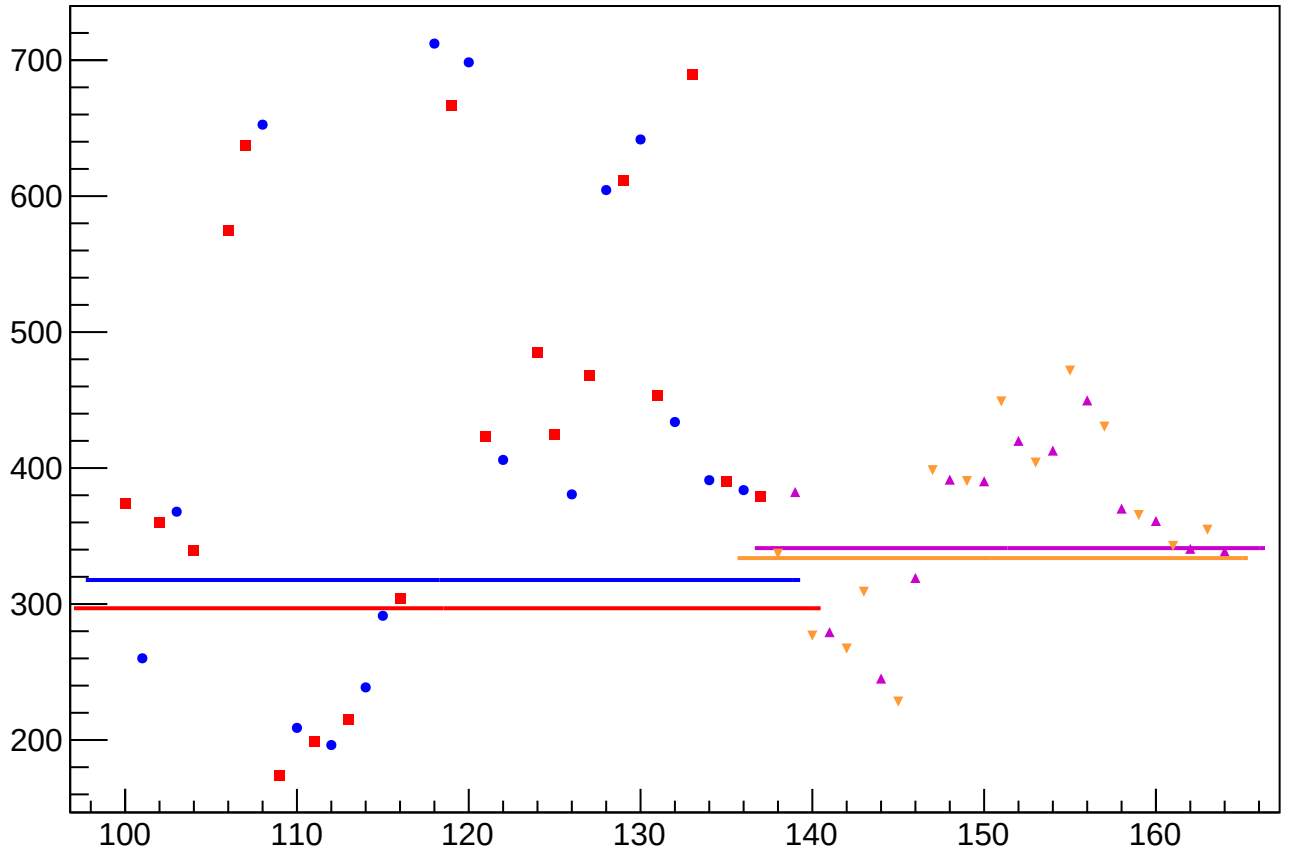
Left: -219.478+/-73.255 χ^2/NDF: 53.5/26

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -72.200+/-81.275 χ^2/NDF:38.4/28

Out: -153.771+/-77.877 χ^2/NDF:60.4/32

All: -114.726+/-56.230 χ^2/NDF: 99.4/61



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 333.798+/-0.072 χ^2/NDF:957063.2/13

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 341.127+/-0.074 χ^2/NDF:665885.1/12

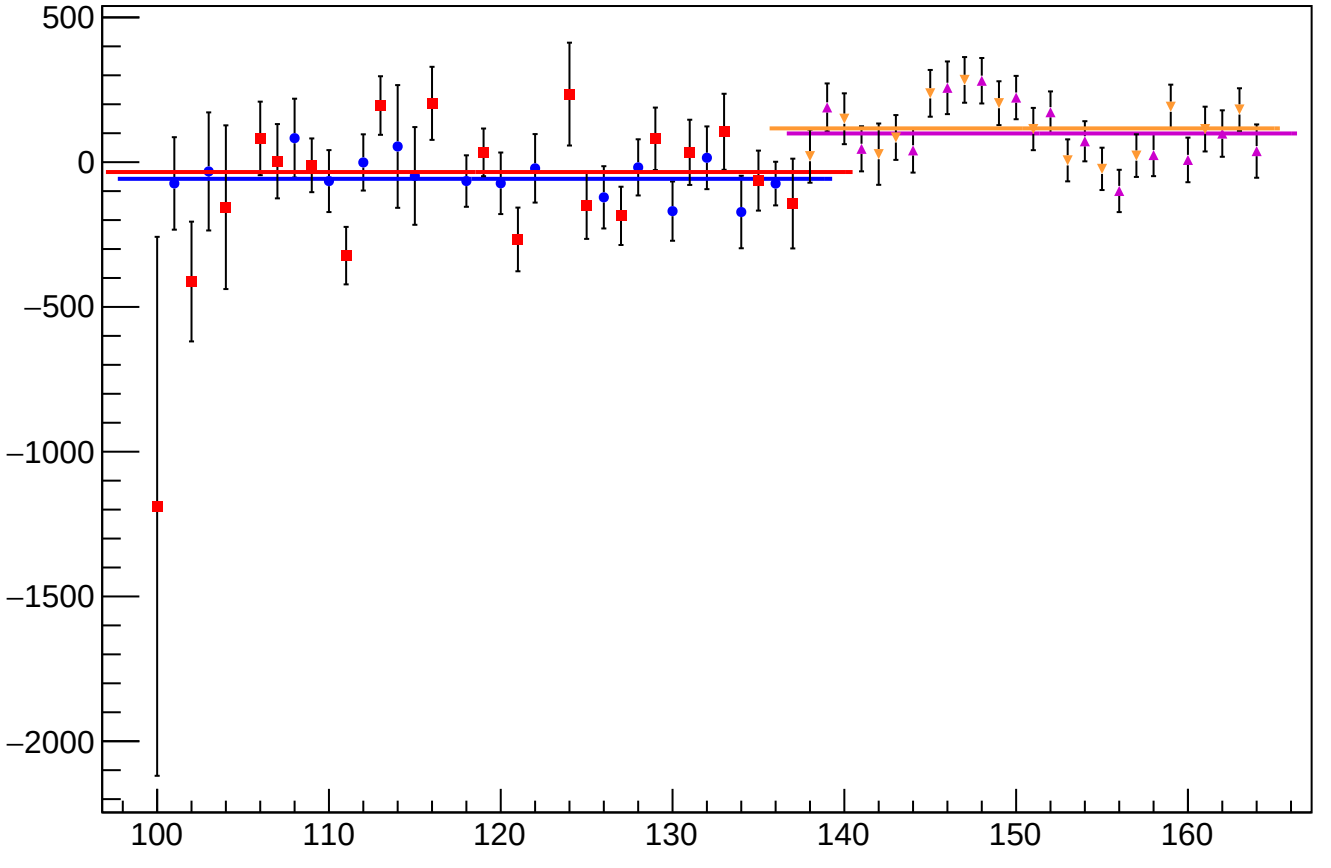
Left: 337.368+/-0.052 χ^2/NDF: 1627949.1/26

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 331.732+/-0.057 χ^2/NDF:2842095.7/28

Out: 318.284+/-0.055 χ^2/NDF:3607567.4/32

All: 324.721+/-0.040 χ^2/NDF: 6478206.6/61



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 116.707+/-21.002 χ^2/NDF:19.5/13

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 99.164+/-21.514 χ^2/NDF:24.8/12

Left: 108.147+/-15.028 χ^2/NDF: 44.7/26

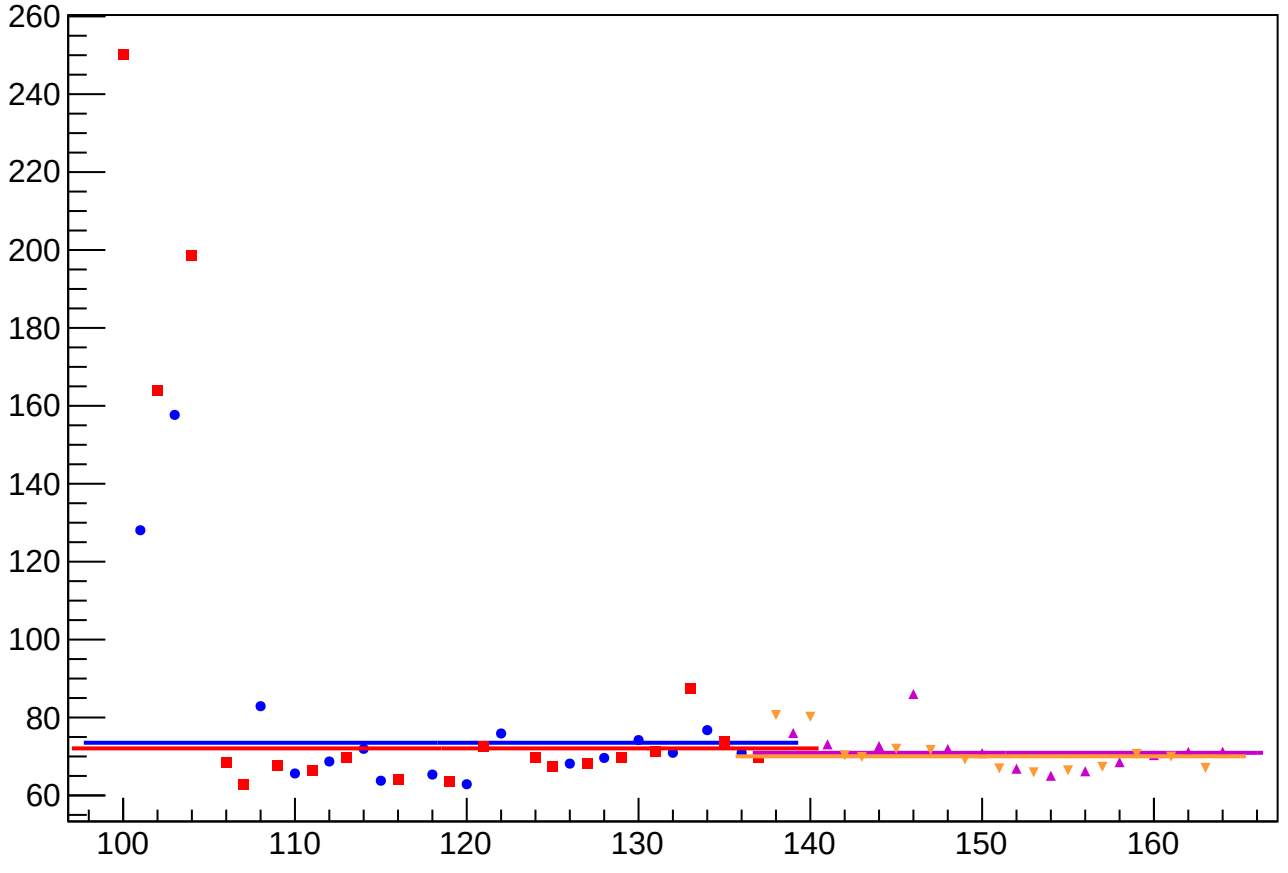
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 41.221+/-17.079 χ^2/NDF:49.3/28

Out: 60.917+/-16.668 χ^2/NDF:75.8/32

All: 51.309+/-11.929 χ^2/NDF: 125.8/61

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.031+/-0.015 χ^2/NDF:76694.4/13

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.934+/-0.015 χ^2/NDF:97084.6/12

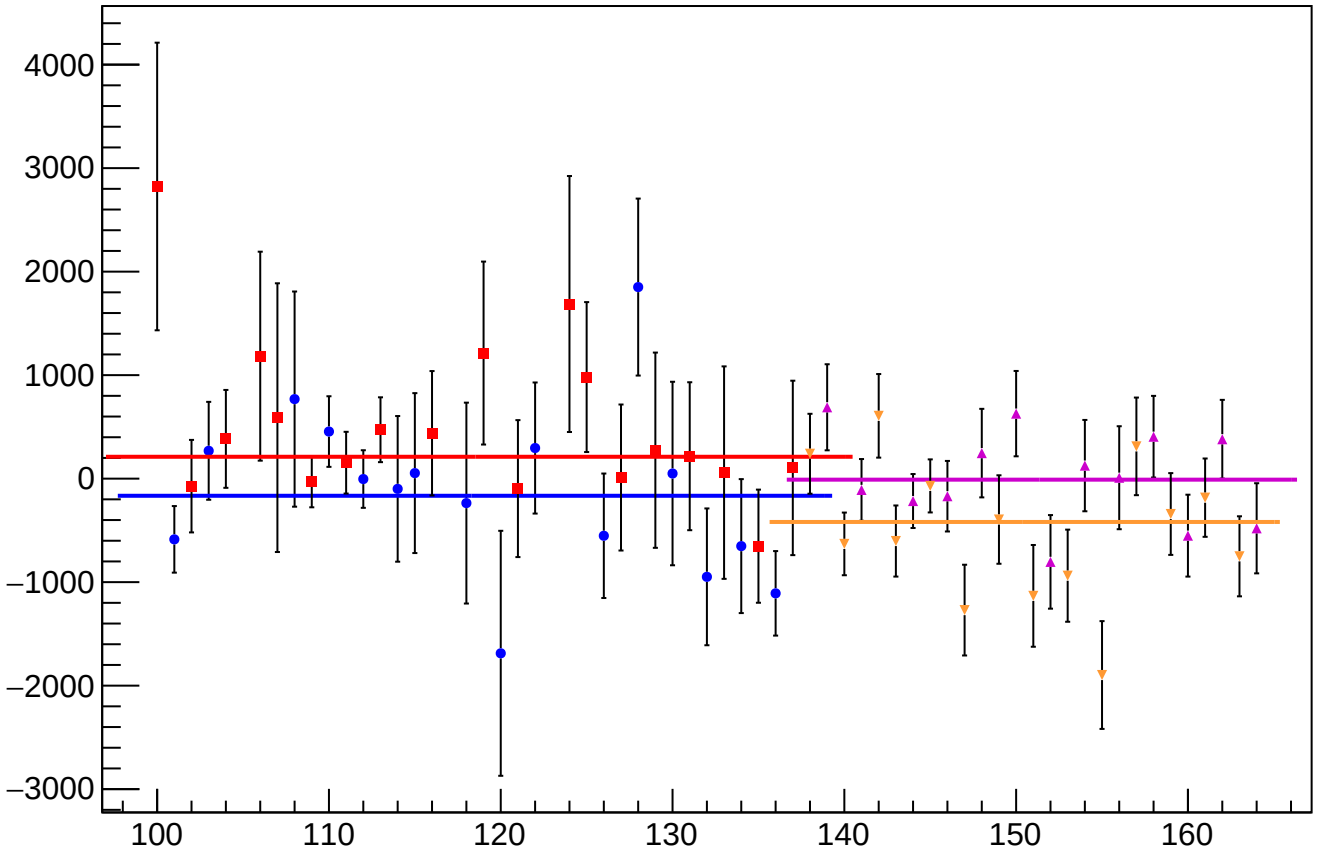
Left: 70.472+/-0.011 χ^2/NDF: 175586.0/26

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.890+/-0.012 χ^2/NDF:764607.5/28

Out: 70.787+/-0.012 χ^2/NDF:1042197.5/32

All: 71.325+/-0.008 χ^2/NDF: 1811078.8/61



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -418.512+/-102.286 χ^2/NDF:30.9/13

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: -9.888+/-104.963 χ^2/NDF:14.9/12

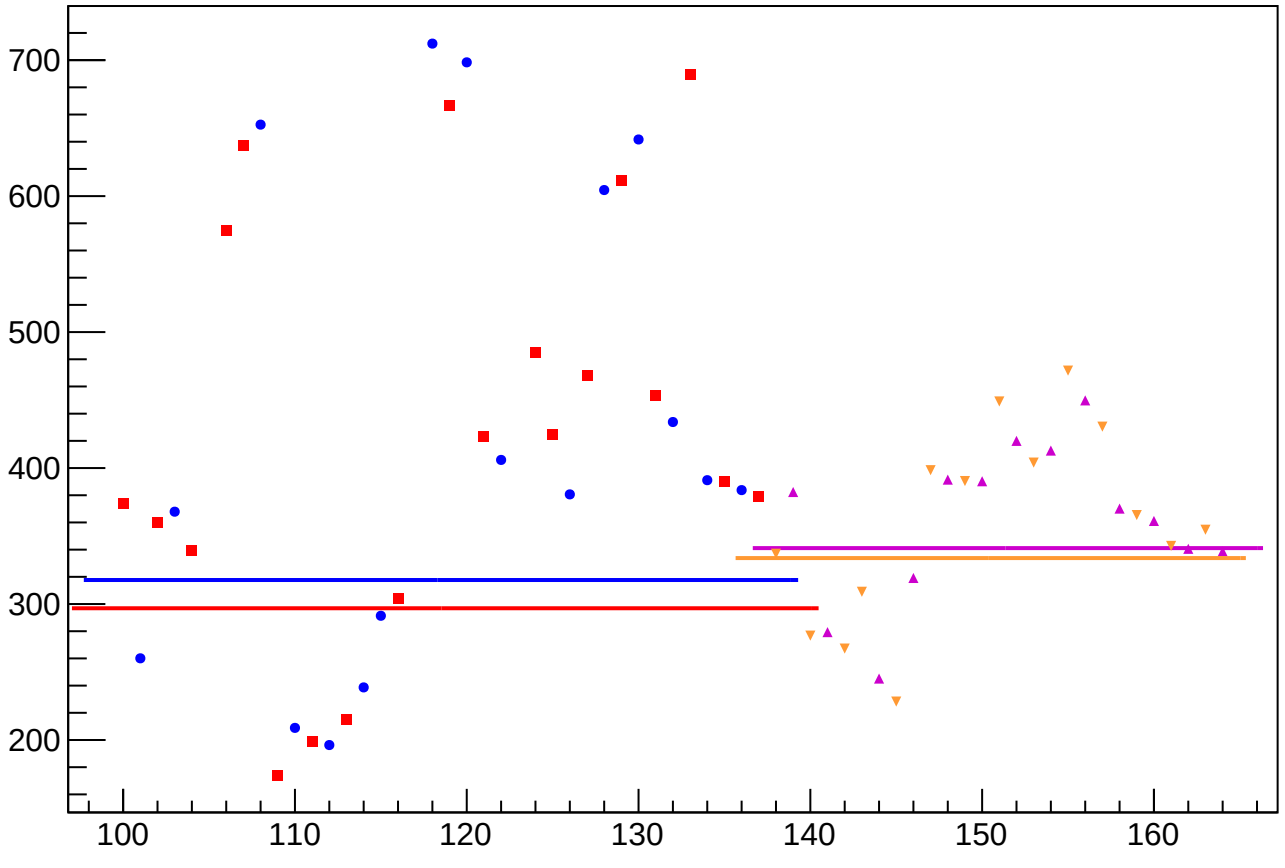
Left: -219.478+/-73.255 χ^2/NDF: 53.5/26

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -72.200+/-81.275 χ^2/NDF:38.4/28

Out: -153.770+/-77.877 χ^2/NDF:60.4/32

All: -114.725+/-56.230 χ^2/NDF: 99.4/61



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 333.798+/-0.072 χ^2/NDF:957074.4/13

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 341.127+/-0.074 χ^2/NDF:665891.1/12

Left: 337.368+/-0.052 χ^2/NDF: 1627966.6/26

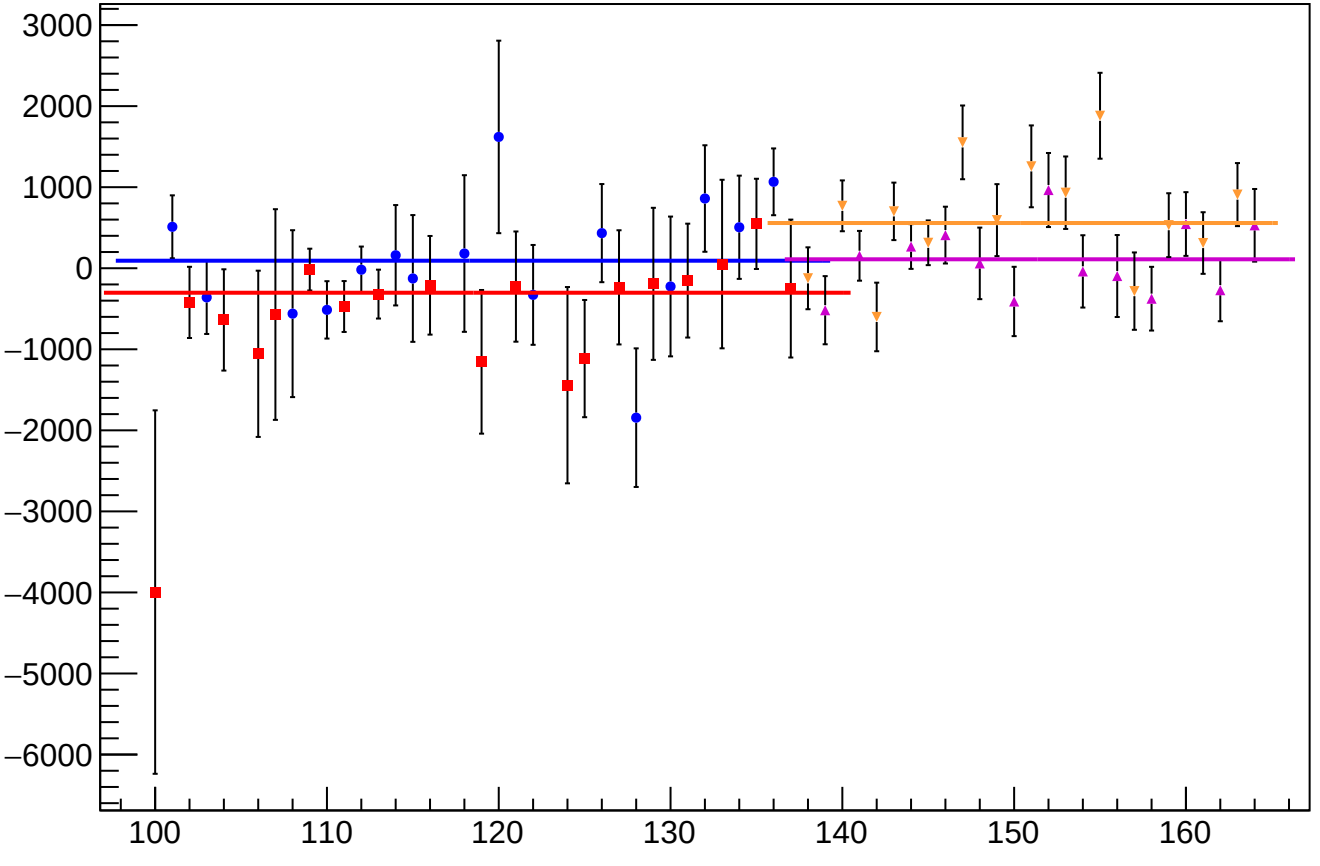
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 331.730+/-0.057 χ^2/NDF:2842141.2/28

Out: 318.283+/-0.055 χ^2/NDF:3607596.5/32

All: 324.720+/-0.040 χ^2/NDF: 6478280.4/61

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 557.946+/-105.143 χ^2/NDF:30.1/13

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 110.310+/-107.451 χ^2/NDF:13.2/12

Left: 338.988+/-75.150 χ^2/NDF: 52.1/26

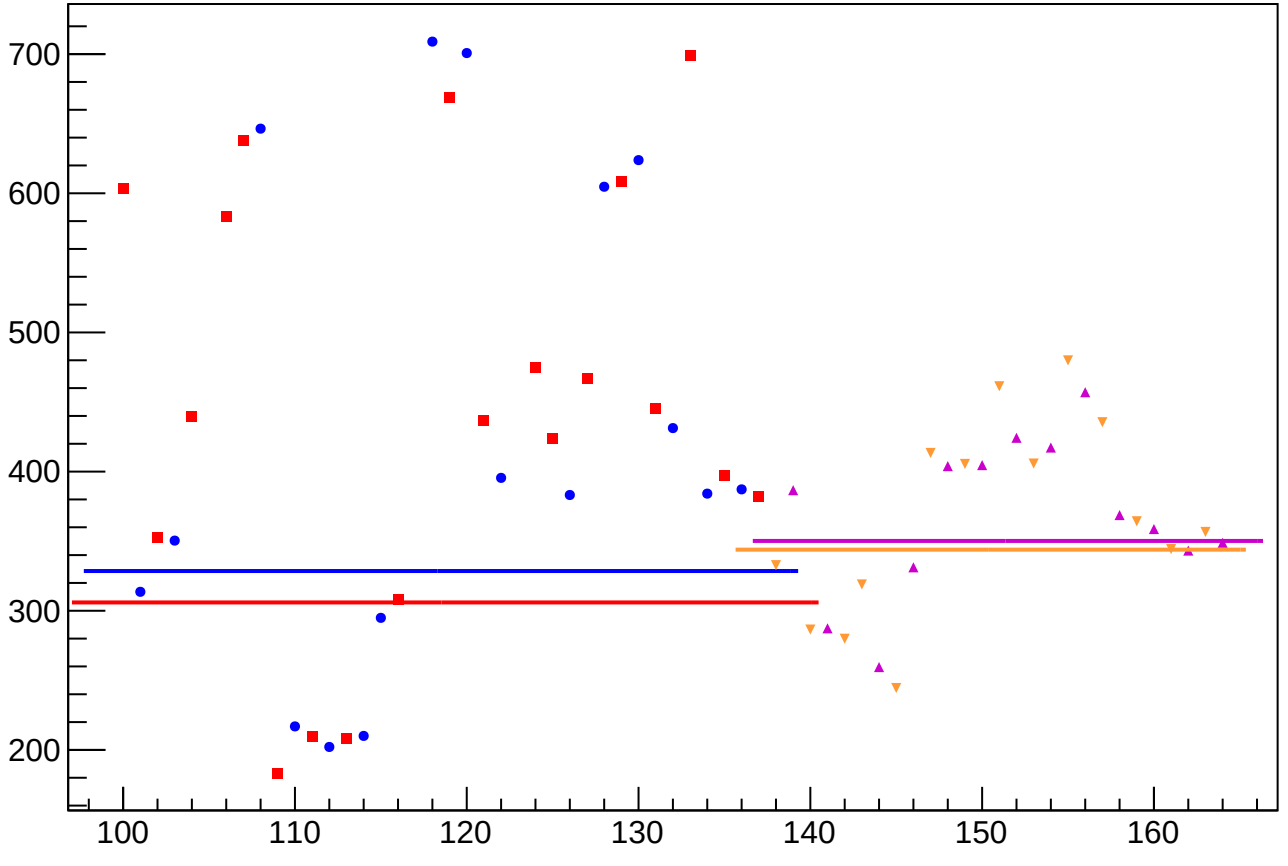
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 103.328+/-83.314 χ^2/NDF:34.0/28

Out: 197.870+/-80.172 χ^2/NDF:68.9/32

All: 152.416+/-57.769 χ^2/NDF: 103.6/61

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 343.914+/-0.074 χ^2/NDF:828700.1/13

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 350.183+/-0.076 χ^2/NDF:576024.6/12

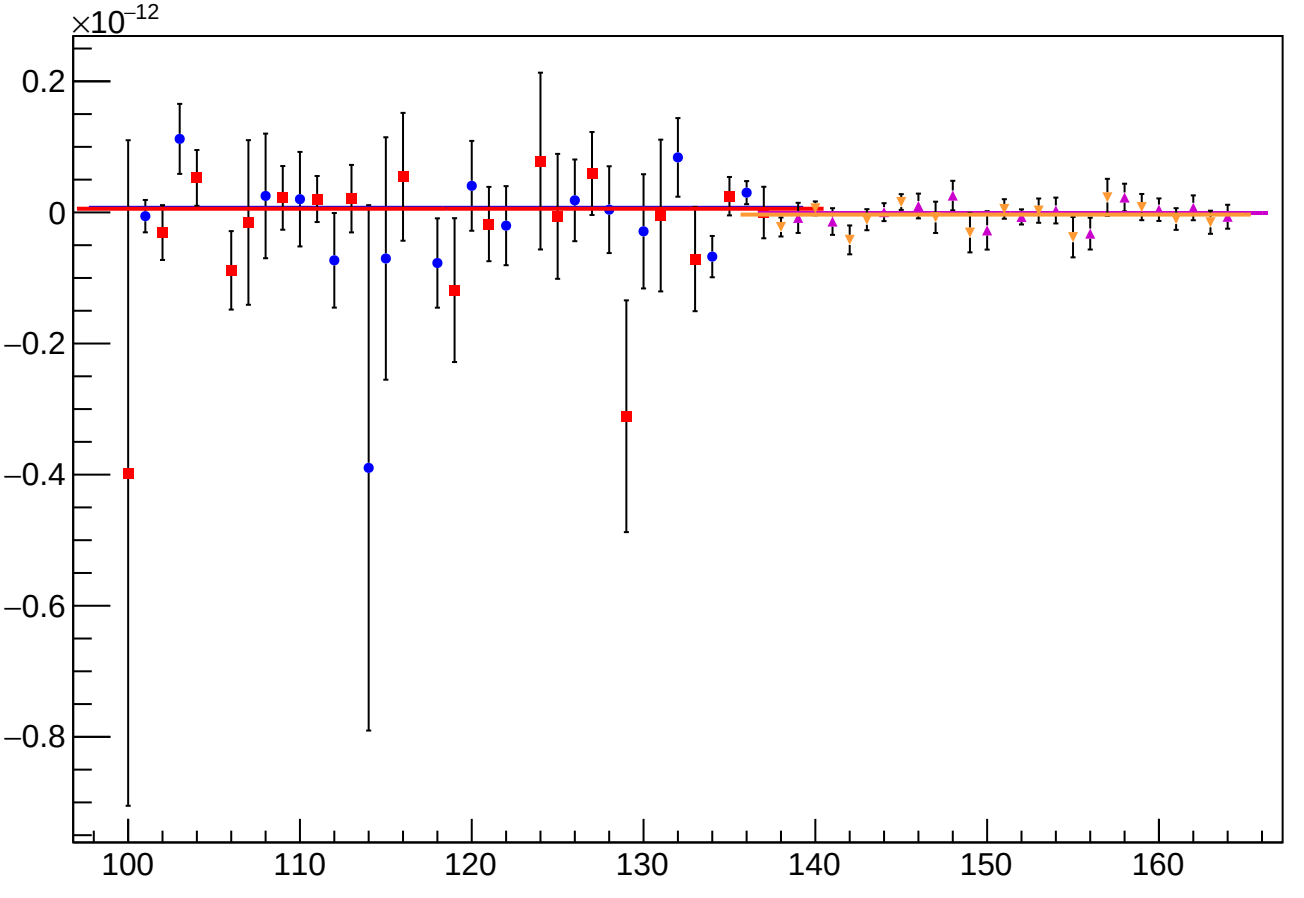
Left: 346.980+/-0.053 χ^2/NDF: 1408202.4/26

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 341.562+/-0.059 χ^2/NDF:2567178.1/28

Out: 328.039+/-0.057 χ^2/NDF:3465087.8/32

All: 334.541+/-0.041 χ^2/NDF: 6059625.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/12

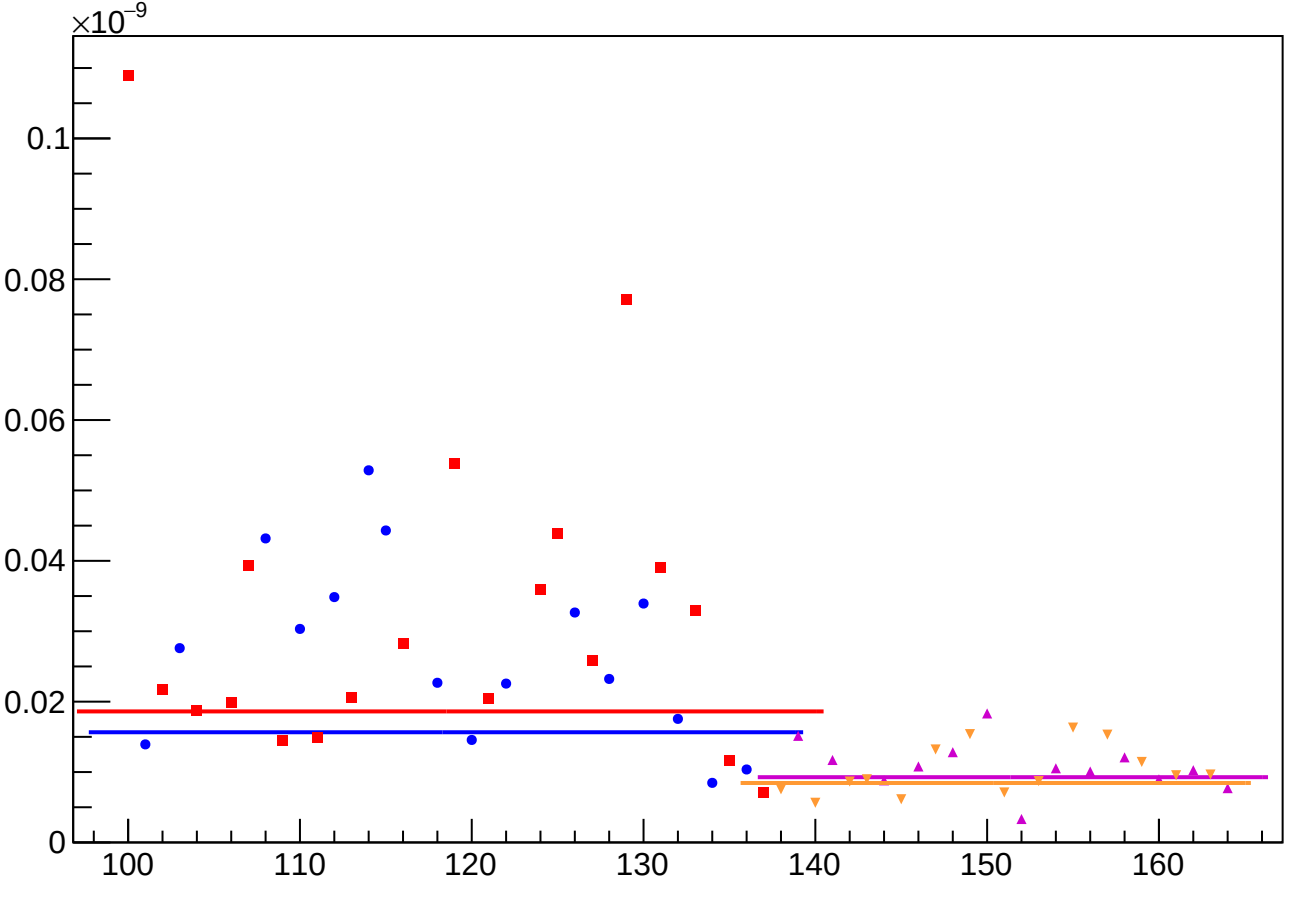
Left: -0.000+/-0.000 χ^2/NDF: 19.5/26

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:24.8/28

Out: -0.000+/-0.000 χ^2/NDF:26.0/32

All: -0.000+/-0.000 χ^2/NDF: 50.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:739266.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1012188.8/12

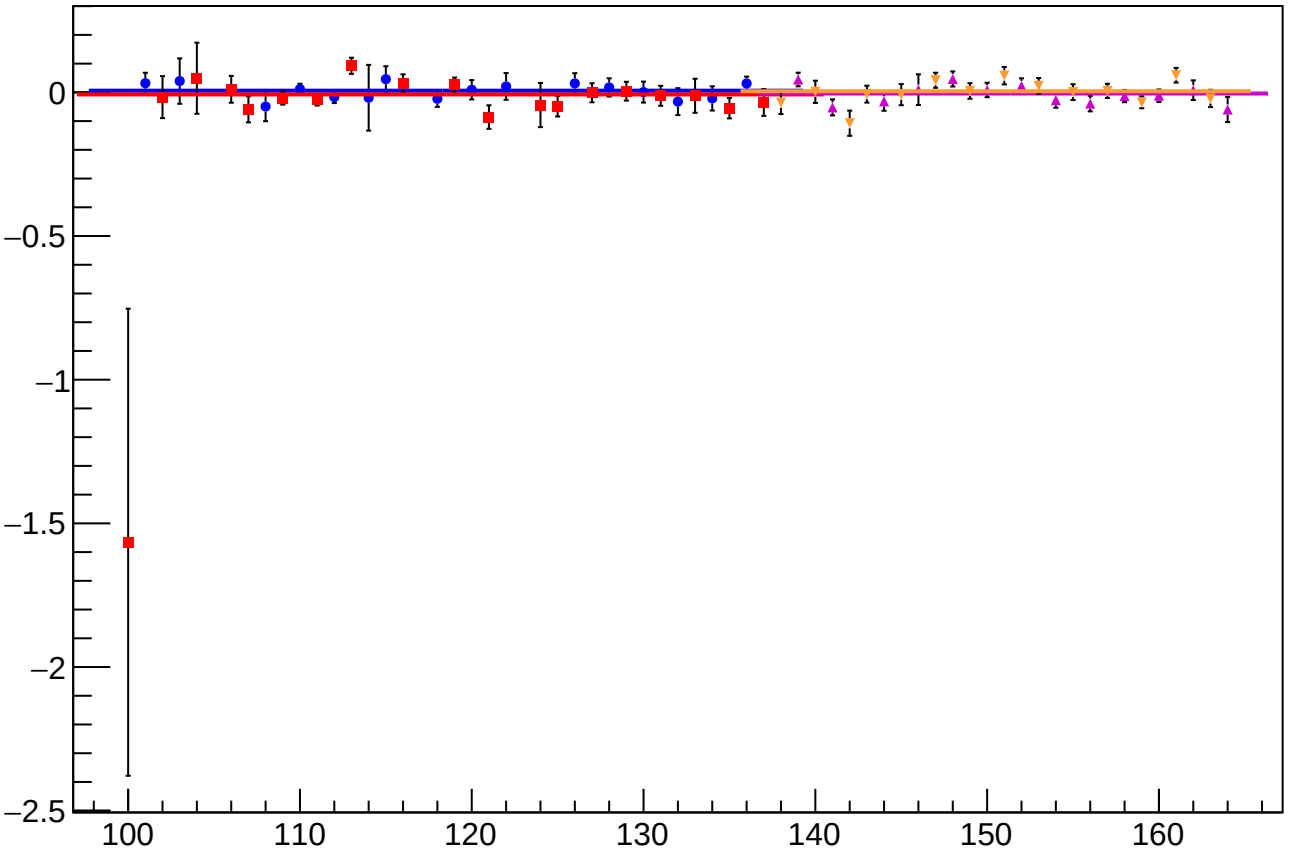
Left: 0.000+/-0.000 χ^2/NDF: 1780690.3/26

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2735815.8/28

Out: 0.000+/-0.000 χ^2/NDF:3082944.3/32

All: 0.000+/-0.000 χ^2/NDF: 5852925.0/61



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.004+/-0.008 χ^2/NDF:22.4/13

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.3/12

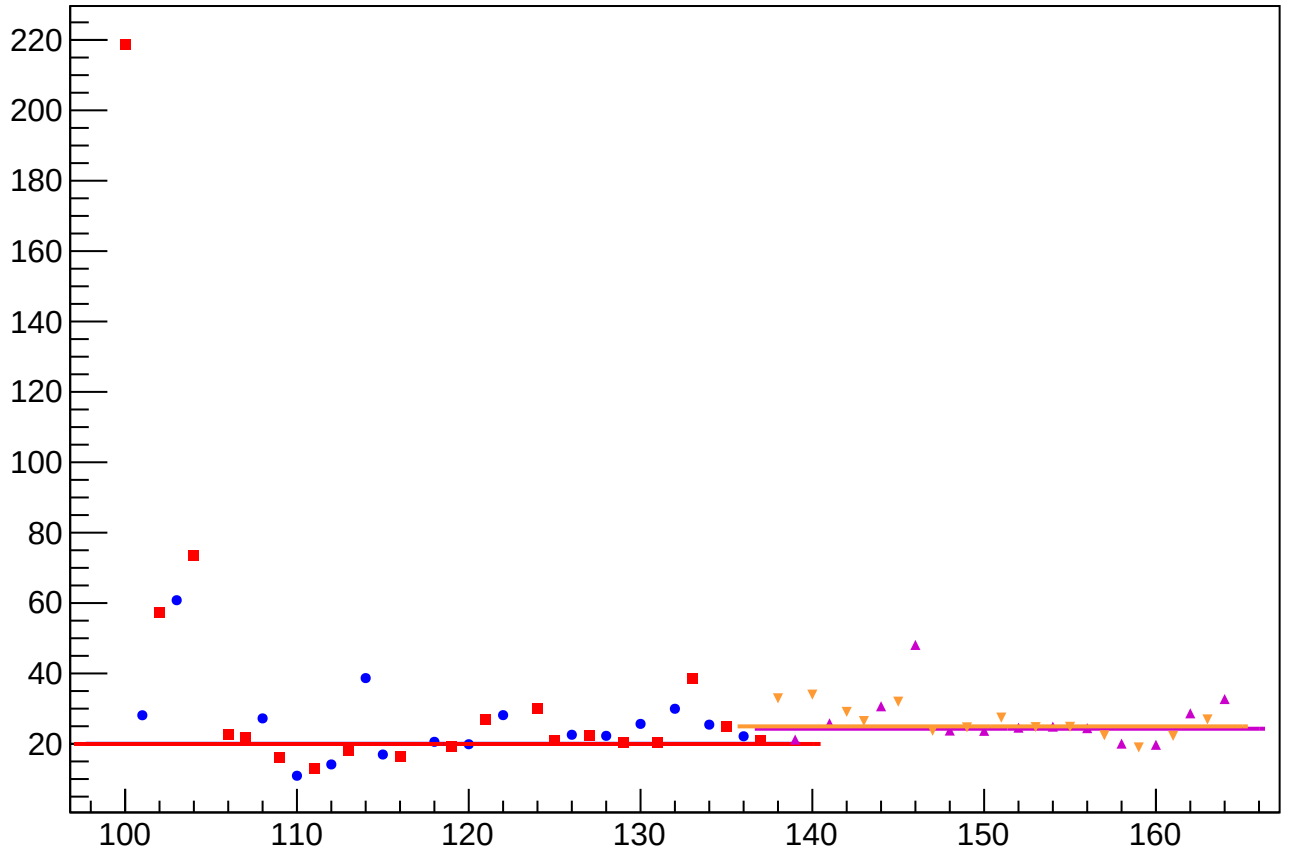
Left: -0.000+/-0.005 χ^2/NDF: 40.3/26

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.0/28

Out: -0.001+/-0.006 χ^2/NDF:53.3/32

All: -0.000+/-0.004 χ^2/NDF: 79.3/61



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 24.959+/-0.005 χ^2/NDF:524691.9/13

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.292+/-0.005 χ^2/NDF:789980.8/12

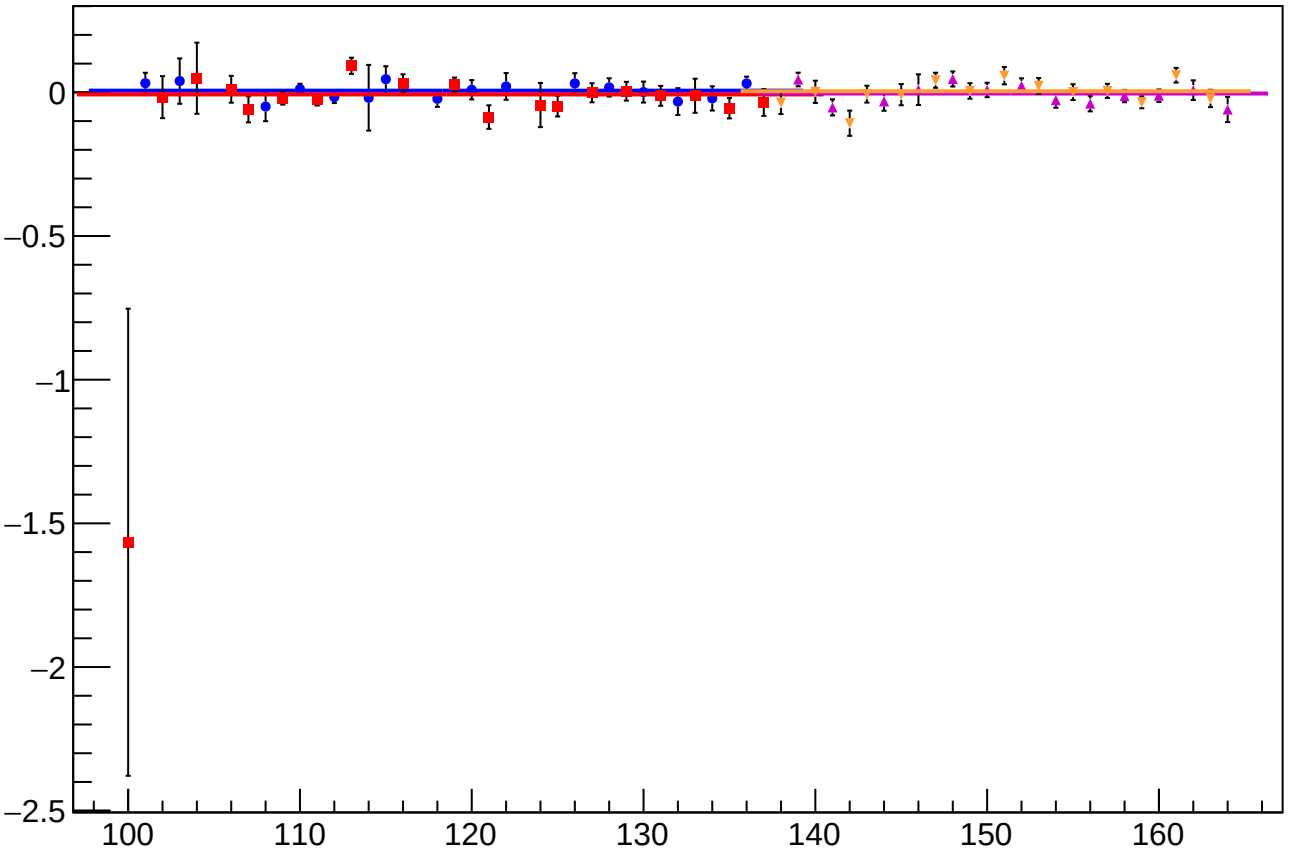
Left: 24.623+/-0.004 χ^2/NDF: 1322278.2/26

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.295+/-0.004 χ^2/NDF:2726674.1/28

Out: 22.591+/-0.004 χ^2/NDF:2642324.7/32

All: 22.443+/-0.003 χ^2/NDF: 5371807.1/61



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.004+/-0.008 χ^2/NDF:22.4/13

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.3/12

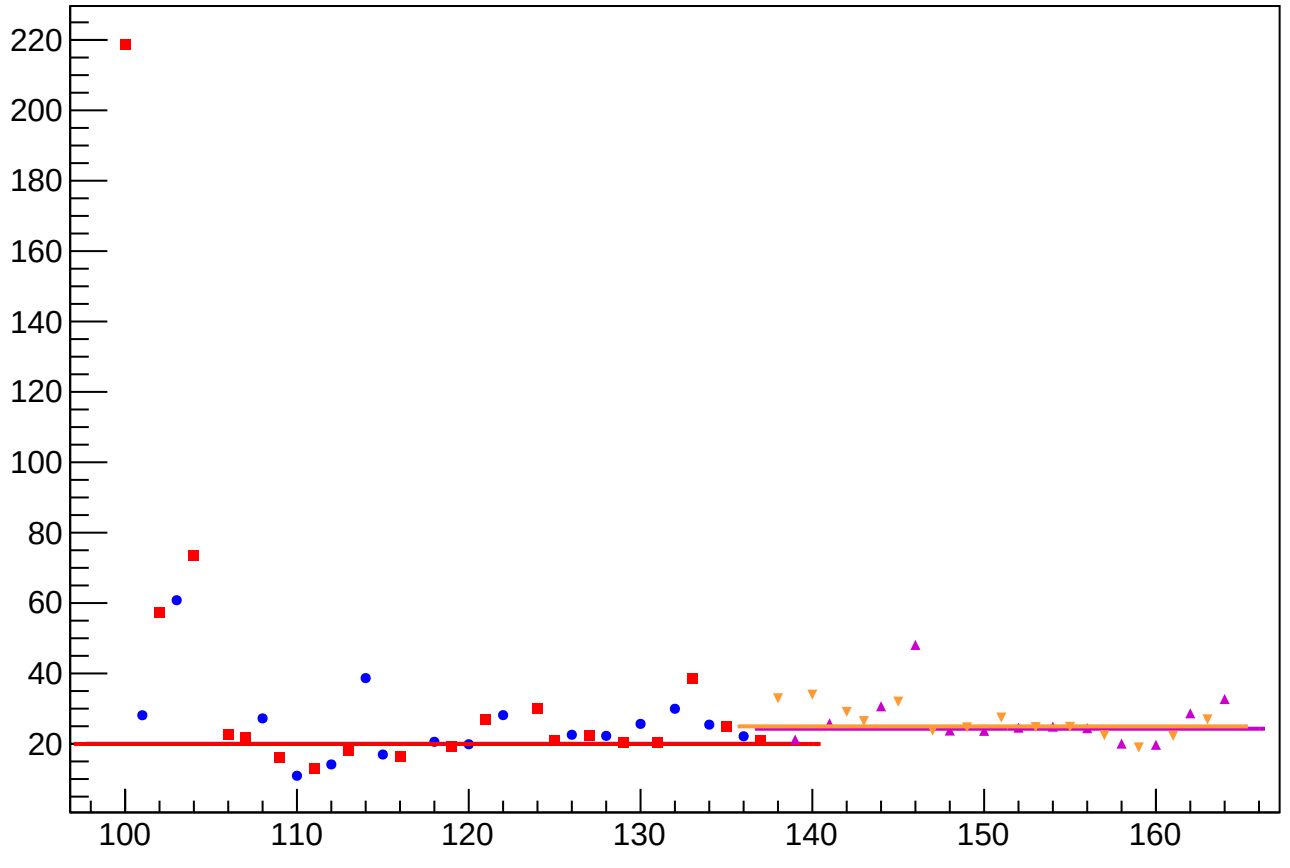
Left: -0.000+/-0.005 χ^2/NDF: 40.3/26

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.0/28

Out: -0.001+/-0.006 χ^2/NDF:53.3/32

All: -0.000+/-0.004 χ^2/NDF: 79.3/61



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 24.959+/-0.005 χ^2/NDF:524691.9/13

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.292+/-0.005 χ^2/NDF:789980.8/12

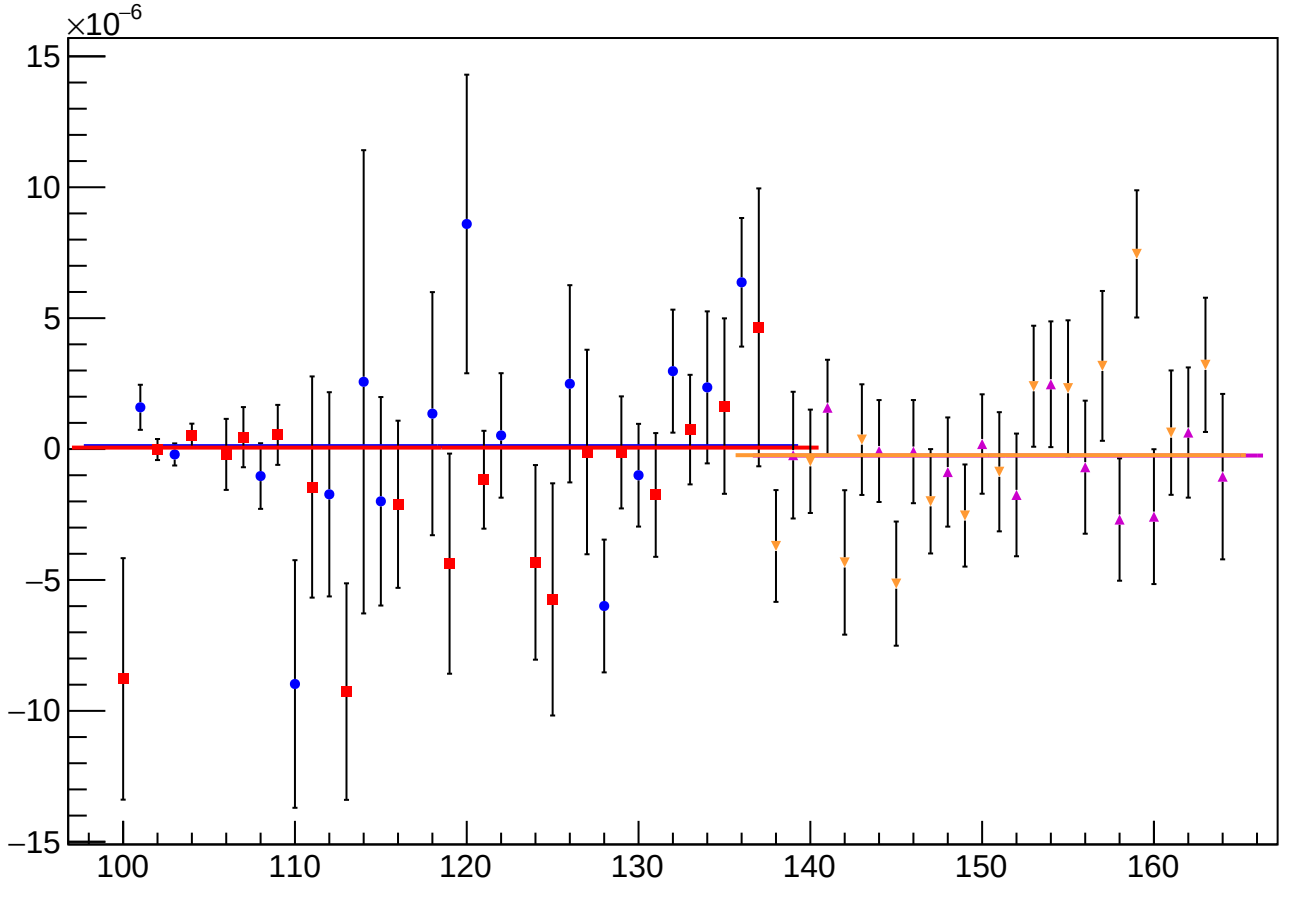
Left: 24.623+/-0.004 χ^2/NDF: 1322278.2/26

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.295+/-0.004 χ^2/NDF:2726674.1/28

Out: 22.591+/-0.004 χ^2/NDF:2642324.7/32

All: 22.443+/-0.003 χ^2/NDF: 5371807.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/12

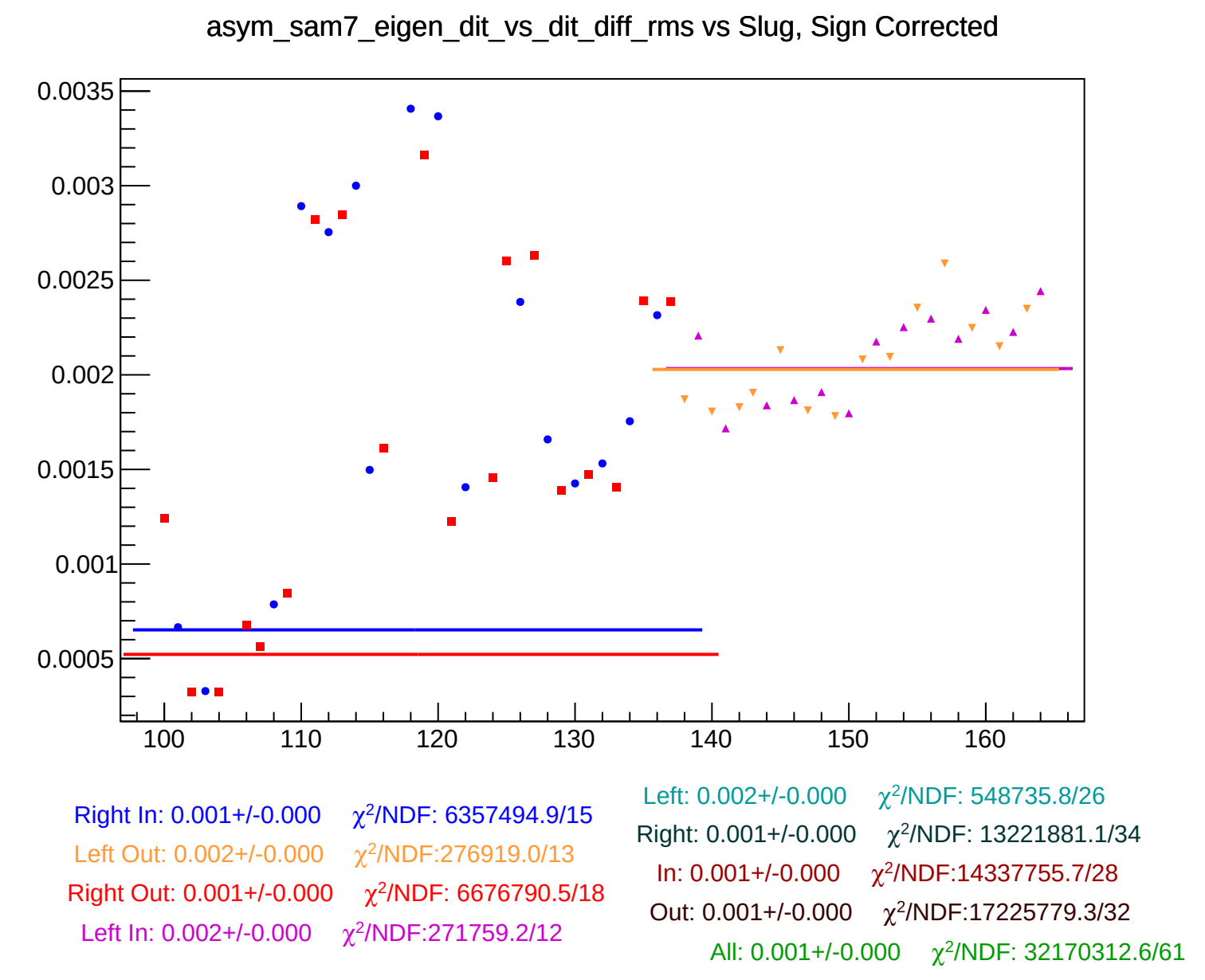
Left: -0.000+/-0.000 χ^2/NDF: 32.1/26

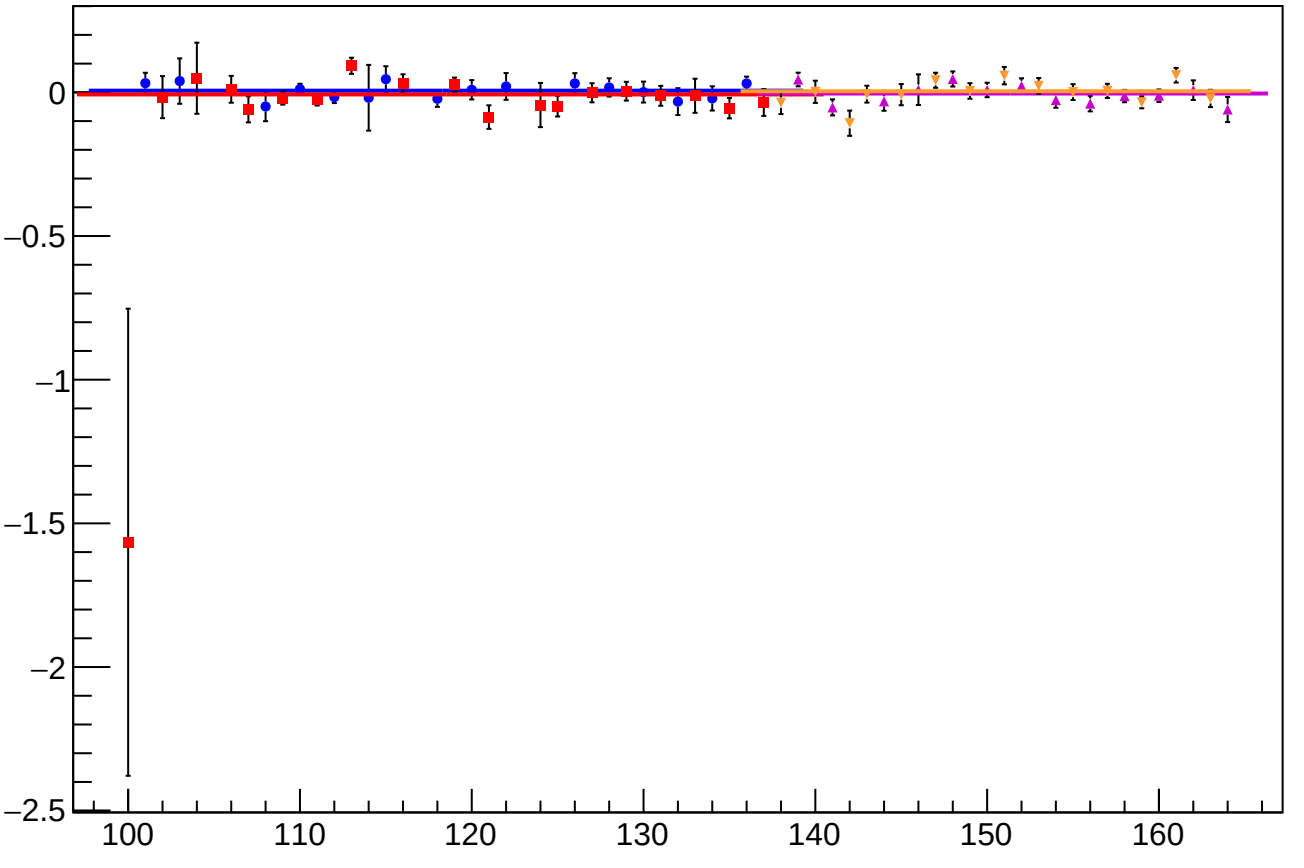
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:31.3/28

Out: 0.000+/-0.000 χ^2/NDF:44.4/32

All: 0.000+/-0.000 χ^2/NDF: 75.7/61


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
160
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:276919.0/13
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:271759.2/12
Left: 0.002+/-0.000 χ²/NDF: 548735.8/26
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:14337755.7/28
Out: 0.001+/-0.000 χ²/NDF:17225779.3/32
All: 0.001+/-0.000 χ²/NDF: 32170312.6/61



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.004+/-0.008 χ^2/NDF:22.4/13

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.3/12

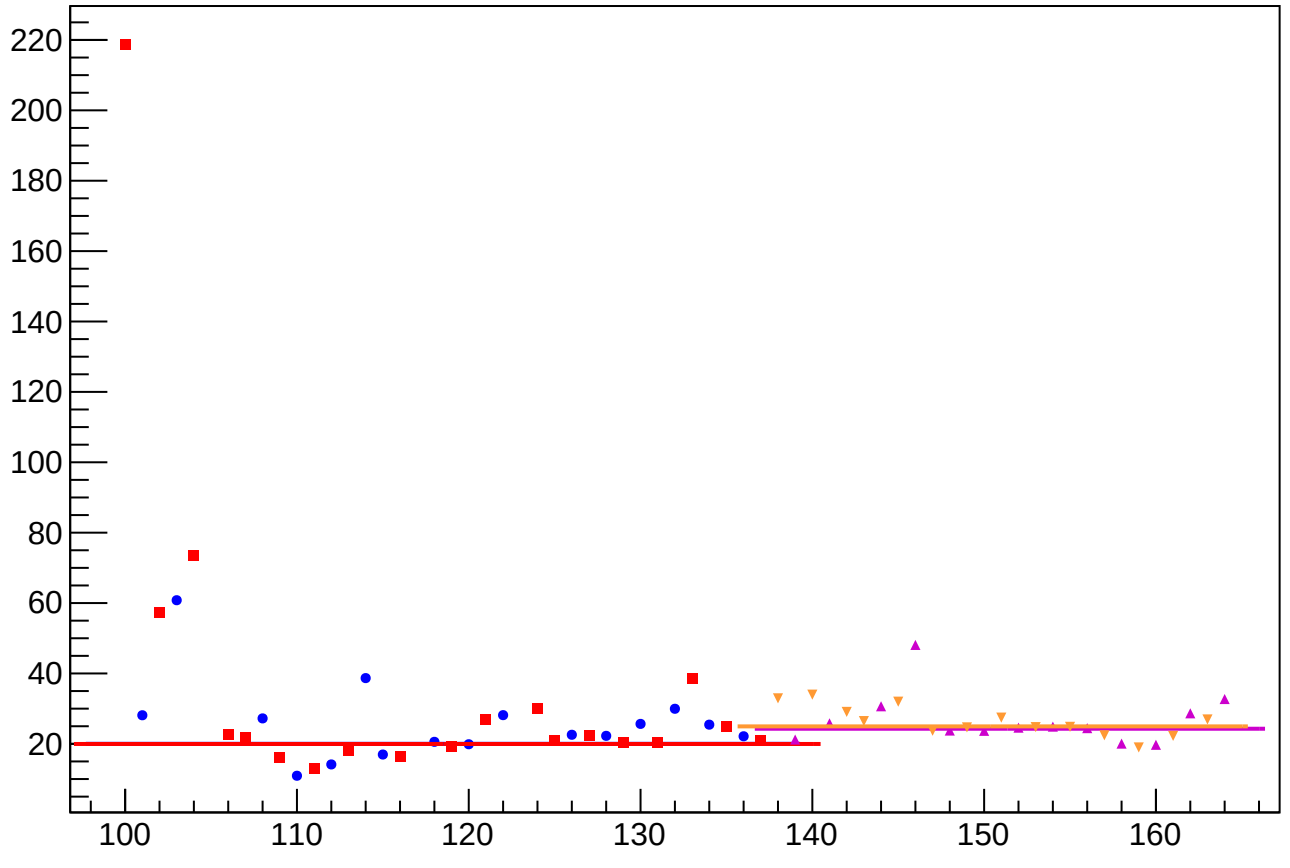
Left: -0.000+/-0.005 χ^2/NDF: 40.3/26

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.0/28

Out: -0.001+/-0.006 χ^2/NDF:53.3/32

All: -0.000+/-0.004 χ^2/NDF: 79.3/61



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 24.959+/-0.005 χ^2/NDF:524735.7/13

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.292+/-0.005 χ^2/NDF:790019.8/12

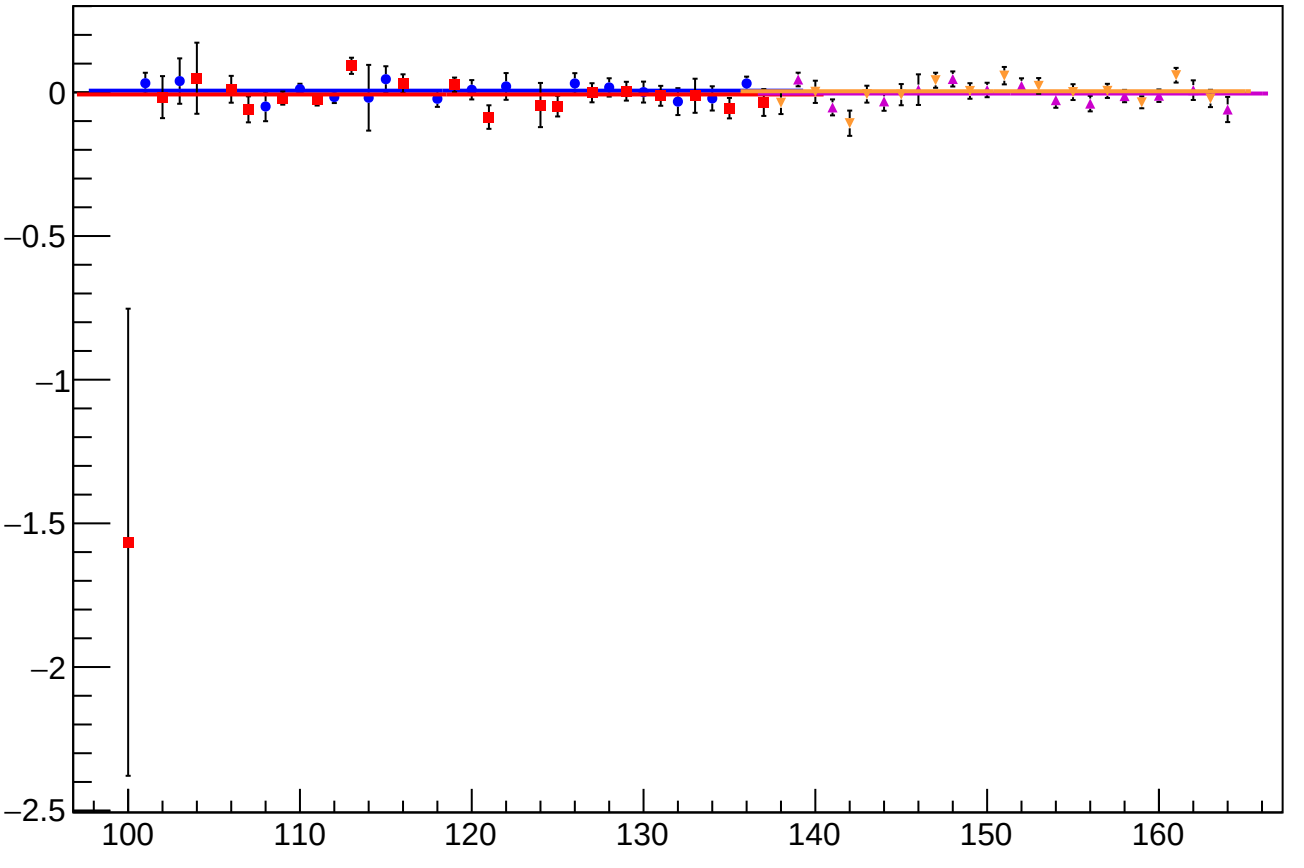
Left: 24.623+/-0.004 χ^2/NDF: 1322362.0/26

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.295+/-0.004 χ^2/NDF:2726456.7/28

Out: 22.591+/-0.004 χ^2/NDF:2642274.0/32

All: 22.443+/-0.003 χ^2/NDF: 5371535.9/61



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.004+/-0.008 χ^2/NDF:22.4/13

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.004+/-0.008 χ^2/NDF:17.3/12

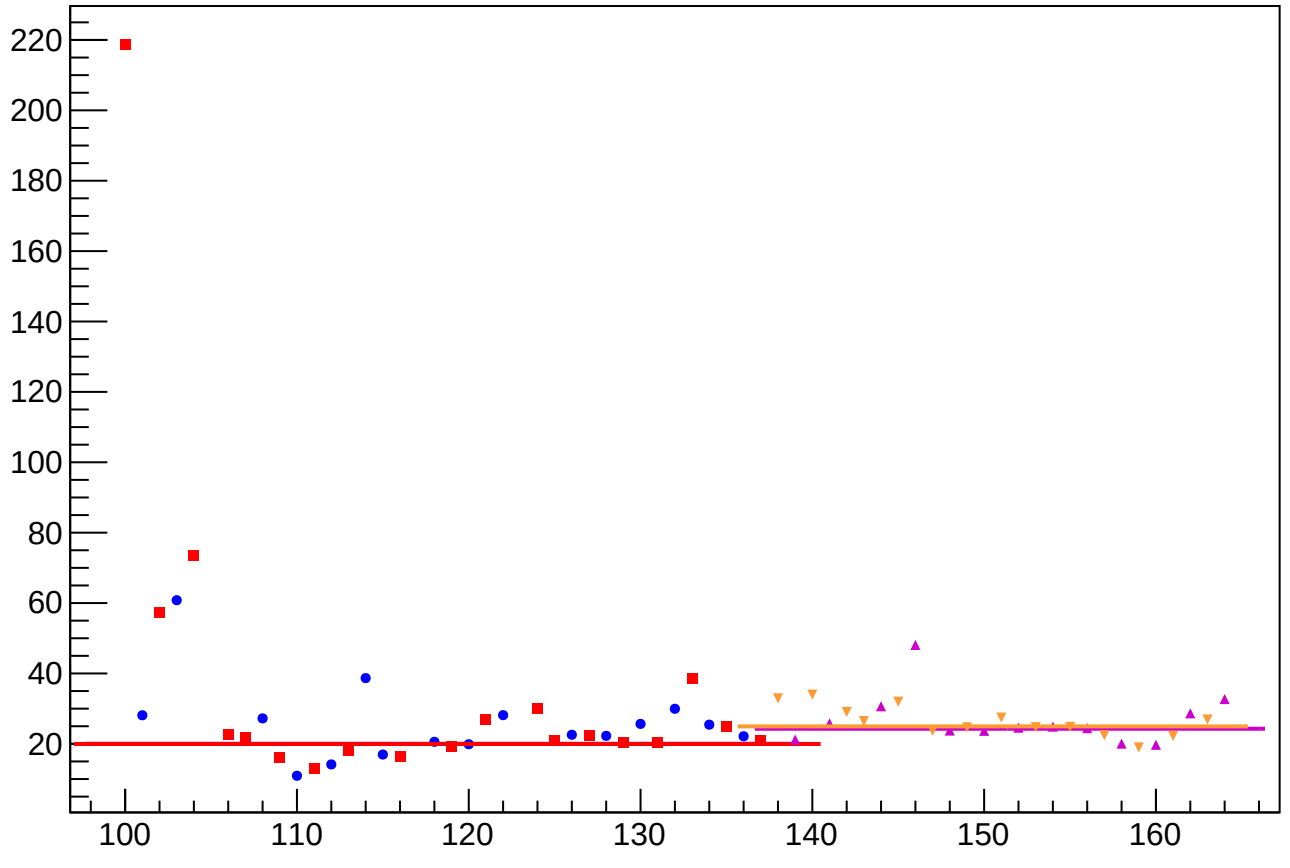
Left: -0.000+/-0.005 χ^2/NDF: 40.3/26

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.001+/-0.006 χ^2/NDF:26.0/28

Out: -0.001+/-0.006 χ^2/NDF:53.3/32

All: -0.000+/-0.004 χ^2/NDF: 79.3/61



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 24.959+/-0.005 χ^2/NDF:524735.7/13

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.292+/-0.005 χ^2/NDF:790019.8/12

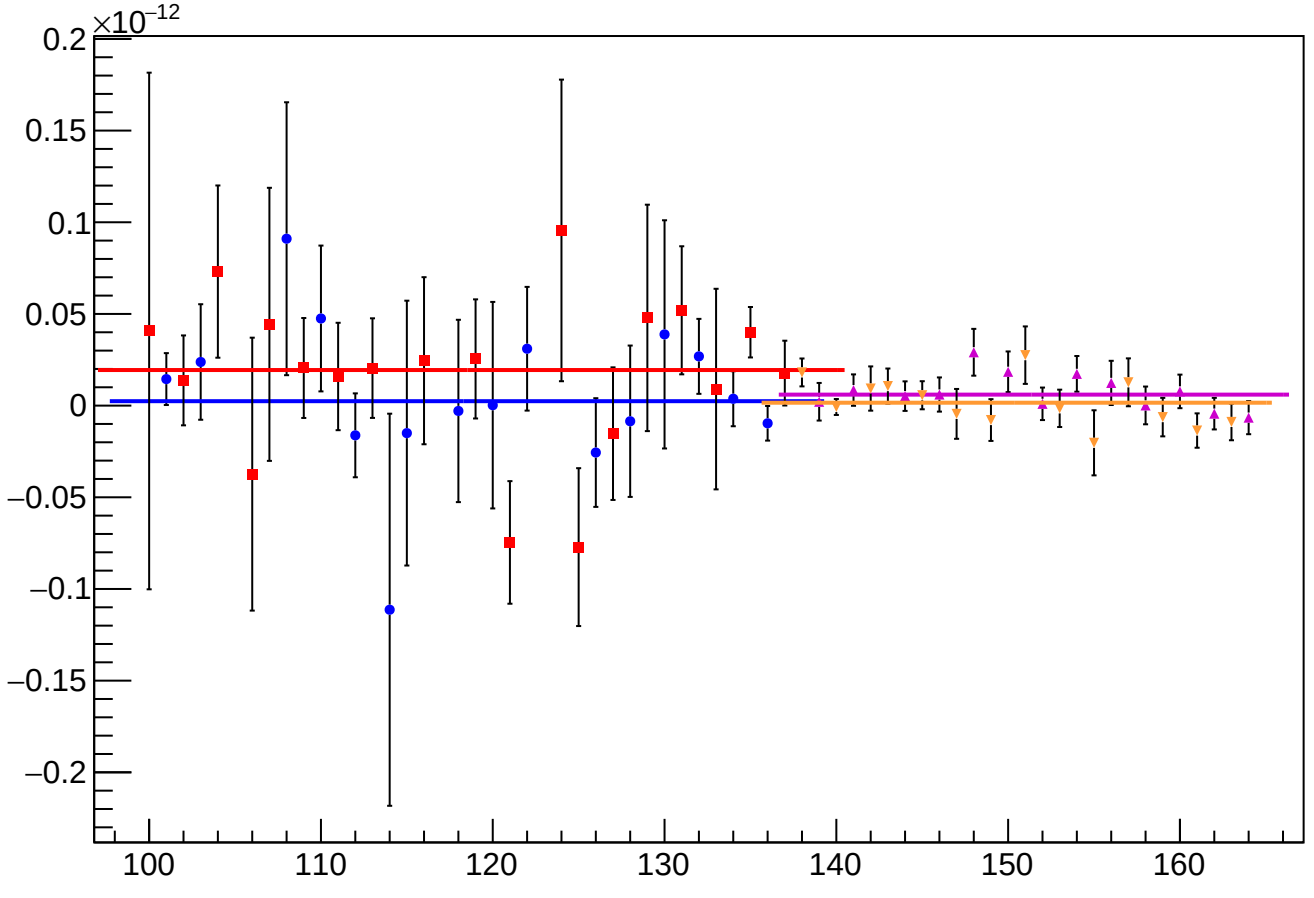
Left: 24.623+/-0.004 χ^2/NDF: 1322362.0/26

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.295+/-0.004 χ^2/NDF:2726456.7/28

Out: 22.591+/-0.004 χ^2/NDF:2642274.0/32

All: 22.443+/-0.003 χ^2/NDF: 5371535.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/12

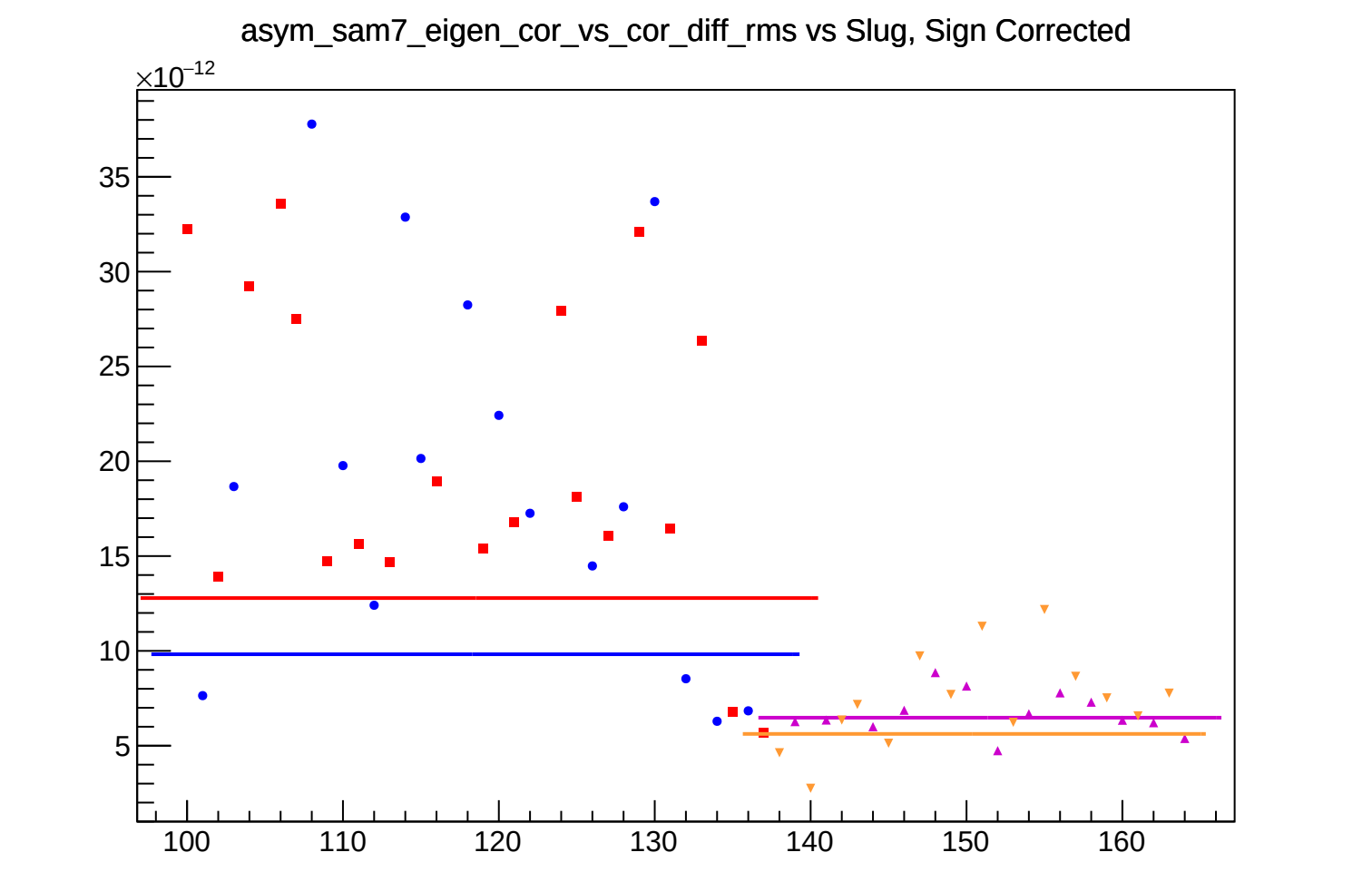
Left: 0.000+/-0.000 χ^2/NDF: 28.8/26

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:21.6/28

Out: 0.000+/-0.000 χ^2/NDF:42.8/32

All: 0.000+/-0.000 χ^2/NDF: 64.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2053000.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

Left In: 0.000+/-0.000 χ^2/NDF:272110.6/12

Left: 0.000+/-0.000 χ^2/NDF: 2438570.2/26

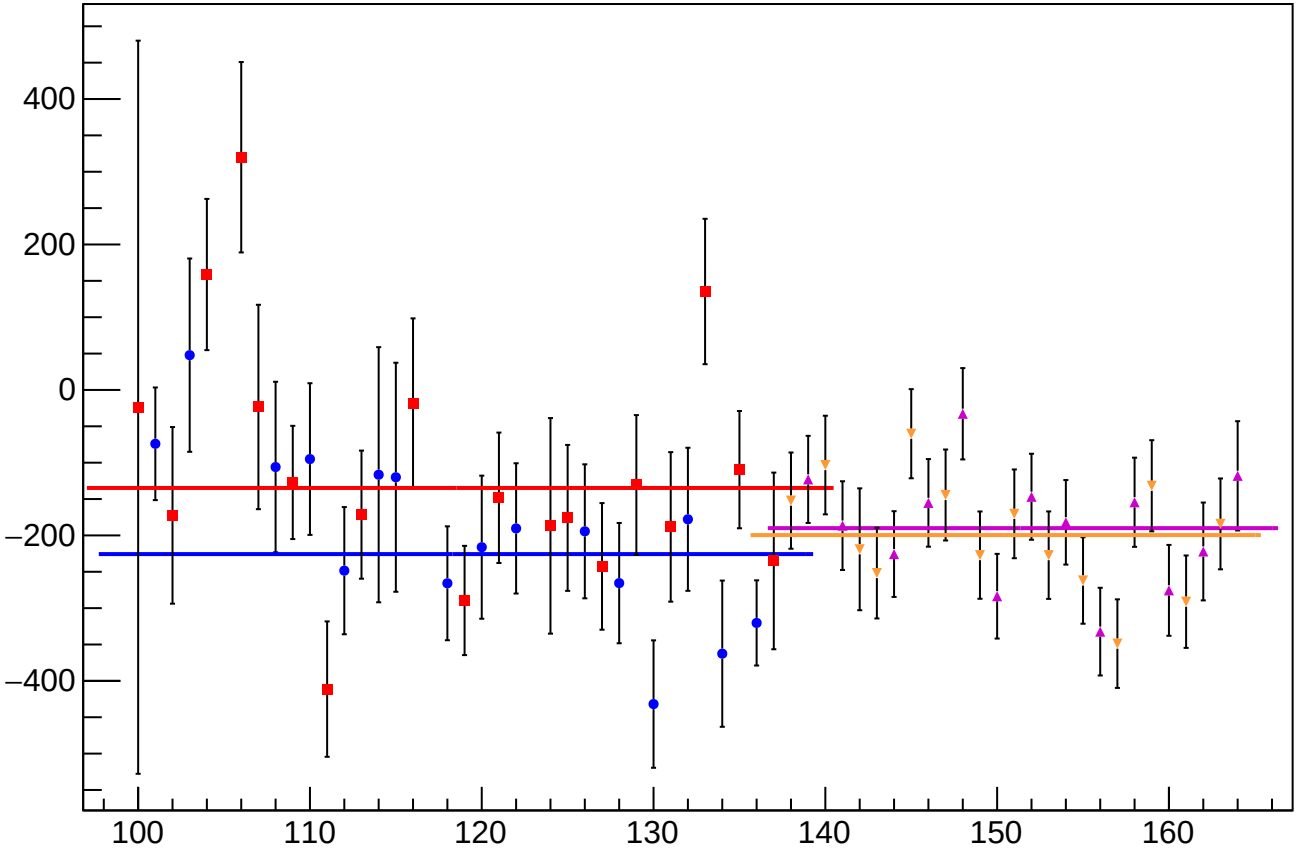
Right: 0.000+/-0.000 χ^2/NDF: 3988919.3/34

In: 0.000+/-0.000 χ^2/NDF:2812993.3/28

Out: 0.000+/-0.000 χ^2/NDF:5696502.1/32

All: 0.000+/-0.000 χ^2/NDF: 8598270.3/61

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.559+/-16.899 χ^2/NDF:20.3/13

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -190.014+/-17.055 χ^2/NDF:20.3/12

Left: -194.830+/-12.004 χ^2/NDF: 40.8/26

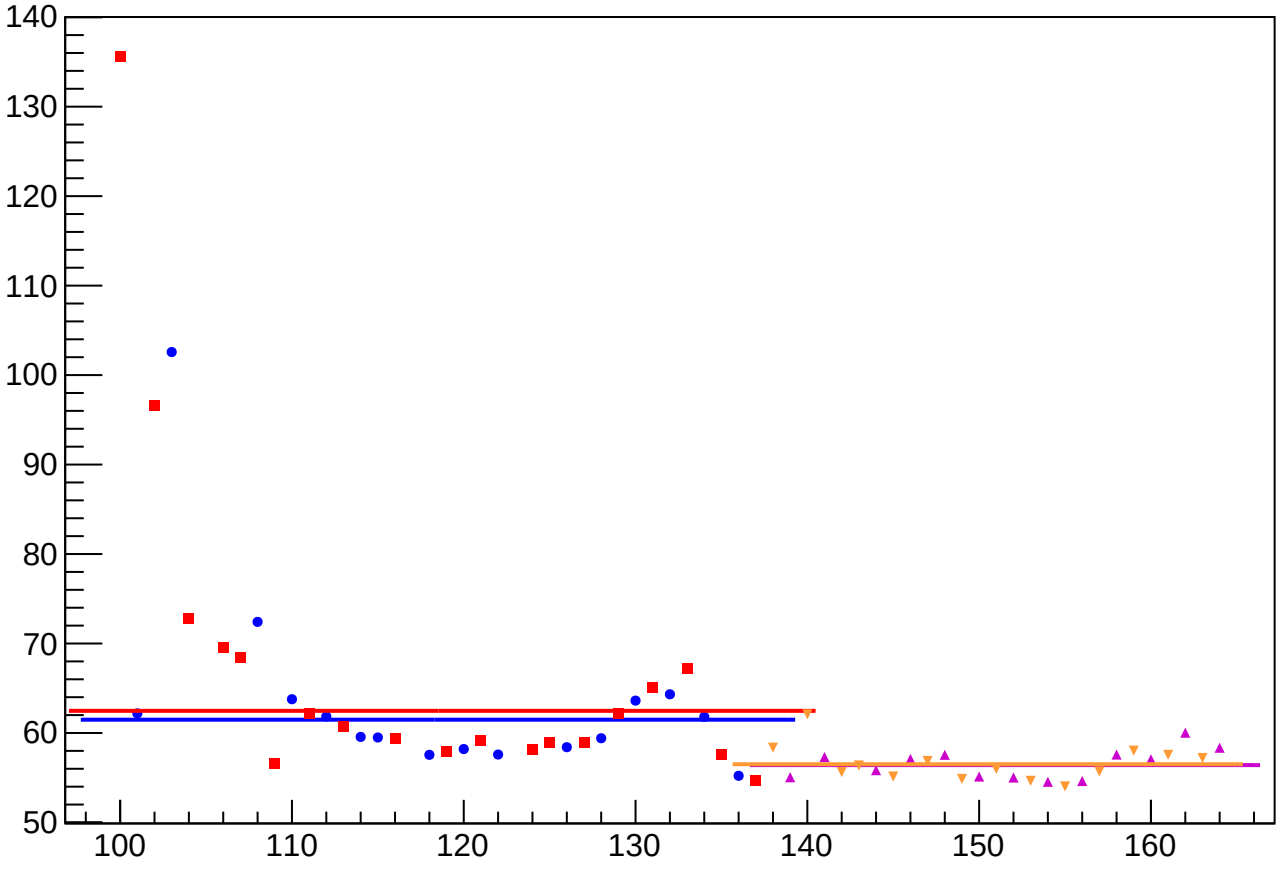
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -202.587+/-13.724 χ^2/NDF:44.4/28

Out: -177.086+/-13.658 χ^2/NDF:70.7/32

All: -189.775+/-9.681 χ^2/NDF: 116.8/61

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.507+/-0.012 χ^2/NDF:25759.9/13

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.409+/-0.012 χ^2/NDF:16548.9/12

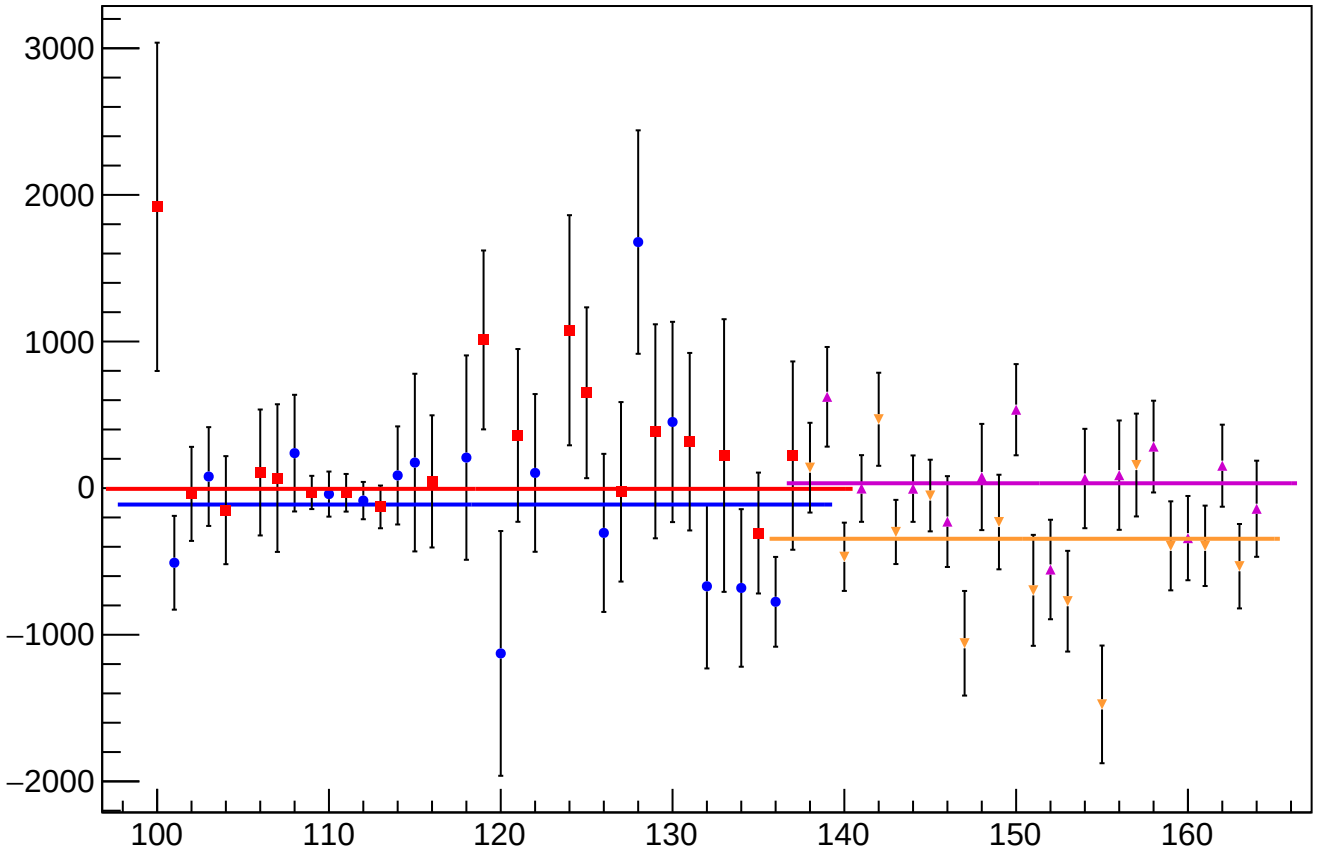
Left: 56.458+/-0.008 χ^2/NDF: 42341.9/26

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.198+/-0.010 χ^2/NDF:329682.7/28

Out: 58.577+/-0.010 χ^2/NDF:393451.3/32

All: 58.388+/-0.007 χ^2/NDF: 723899.2/61



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -345.353+/-79.015 χ^2/NDF:27.9/13

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 33.219+/-83.083 χ^2/NDF:12.2/12

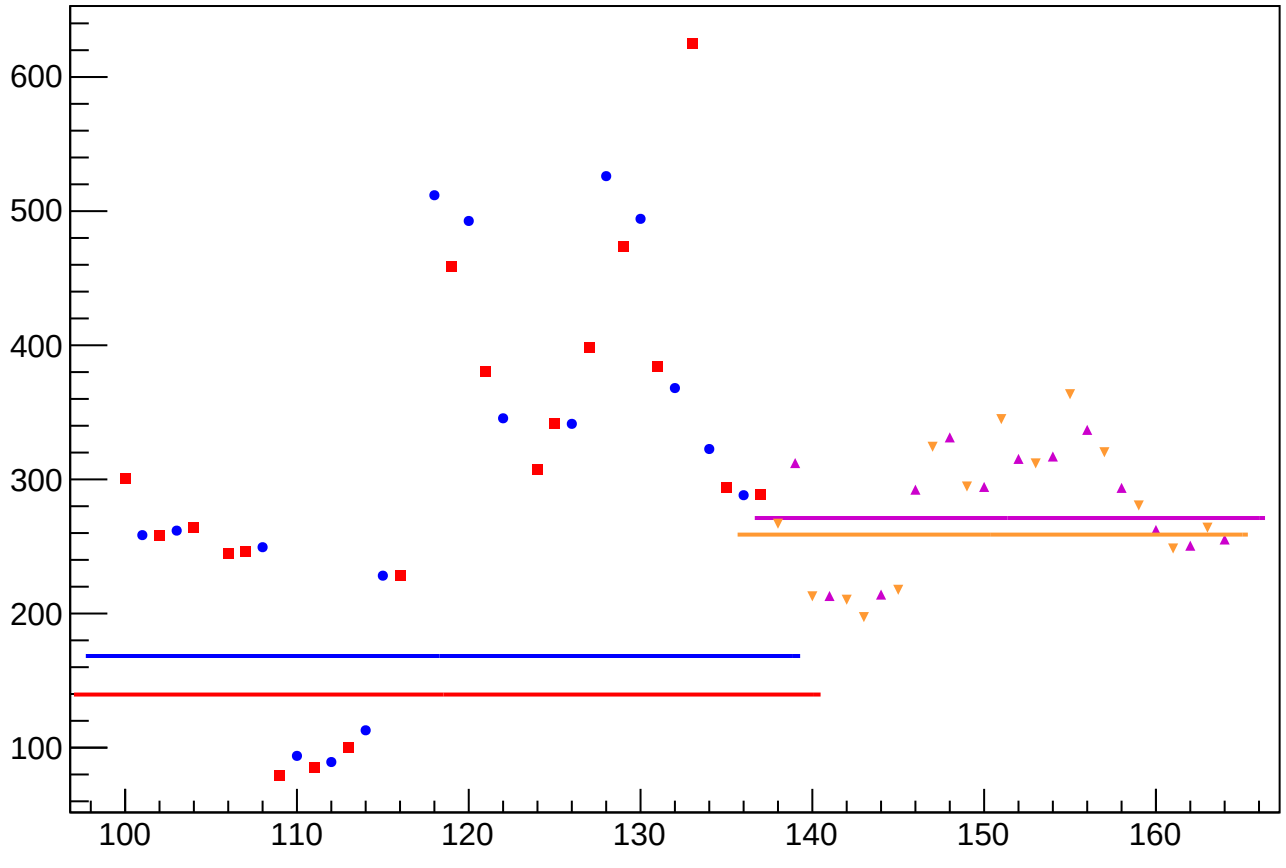
Left: -165.563+/-57.256 χ^2/NDF: 51.0/26

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -45.580+/-56.163 χ^2/NDF:32.3/28

Out: -139.597+/-49.701 χ^2/NDF:50.7/32

All: -98.306+/-37.220 χ^2/NDF: 84.6/61



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 258.843+/-0.056 χ^2/NDF:795666.1/13

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 271.211+/-0.059 χ^2/NDF:522788.6/12

Left: 264.717+/-0.040 χ^2/NDF: 1341728.0/26

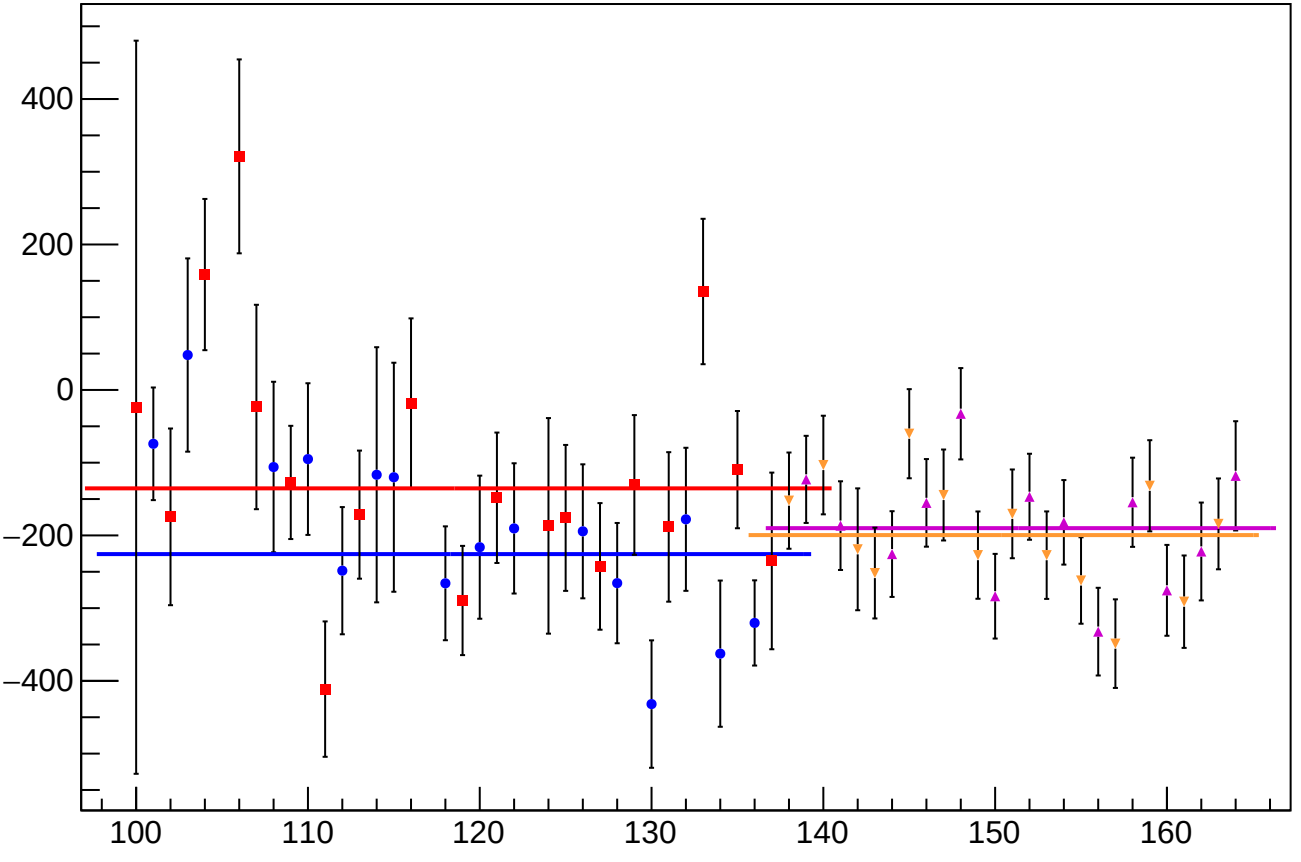
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 215.341+/-0.040 χ^2/NDF:6732238.9/28

Out: 186.775+/-0.035 χ^2/NDF:8702851.5/32

All: 199.321+/-0.026 χ^2/NDF: 15725261.8/61

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.557+/-16.899 χ^2/NDF:20.3/13

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -190.014+/-17.055 χ^2/NDF:20.3/12

Left: -194.829+/-12.004 χ^2/NDF: 40.8/26

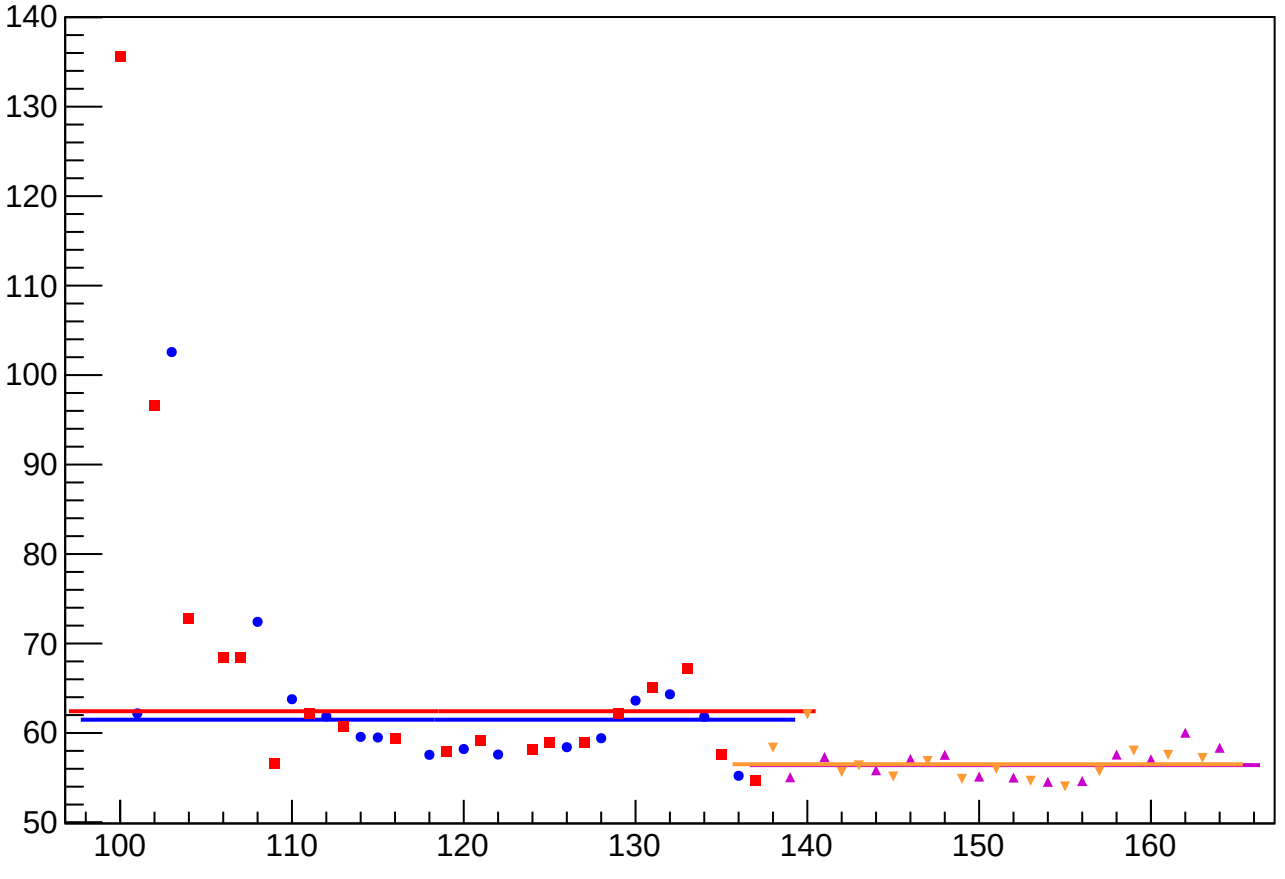
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -202.588+/-13.724 χ^2/NDF:44.4/28

Out: -177.291+/-13.661 χ^2/NDF:70.2/32

All: -189.881+/-9.682 χ^2/NDF: 116.4/61

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.507+/-0.012 χ^2/NDF:25759.9/13

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.409+/-0.012 χ^2/NDF:16548.9/12

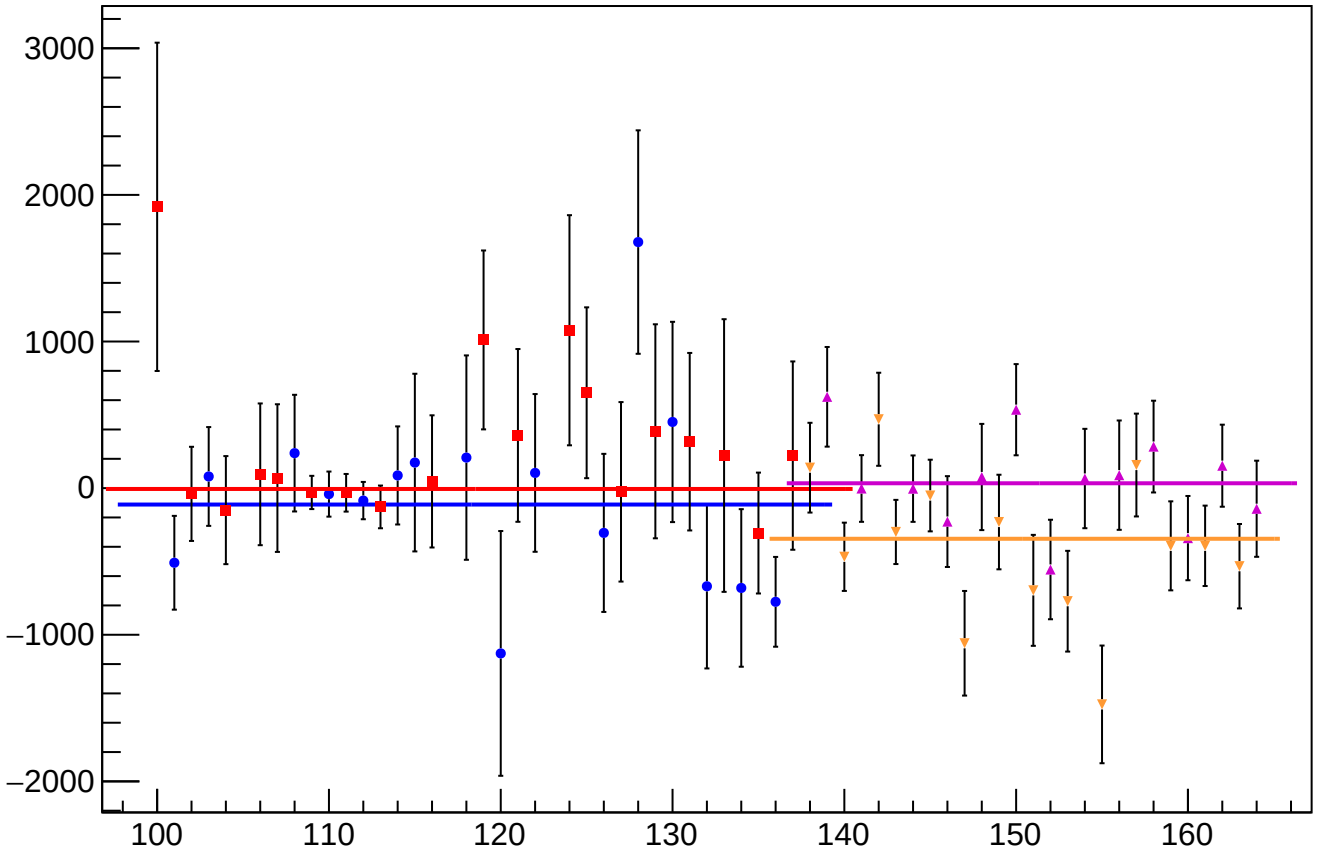
Left: 56.458+/-0.008 χ^2/NDF: 42341.9/26

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.198+/-0.010 χ^2/NDF:329685.3/28

Out: 58.560+/-0.010 χ^2/NDF:390402.8/32

All: 58.380+/-0.007 χ^2/NDF: 720787.9/61



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -345.350+/-79.015 χ^2/NDF:27.9/13

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 33.214+/-83.083 χ^2/NDF:12.2/12

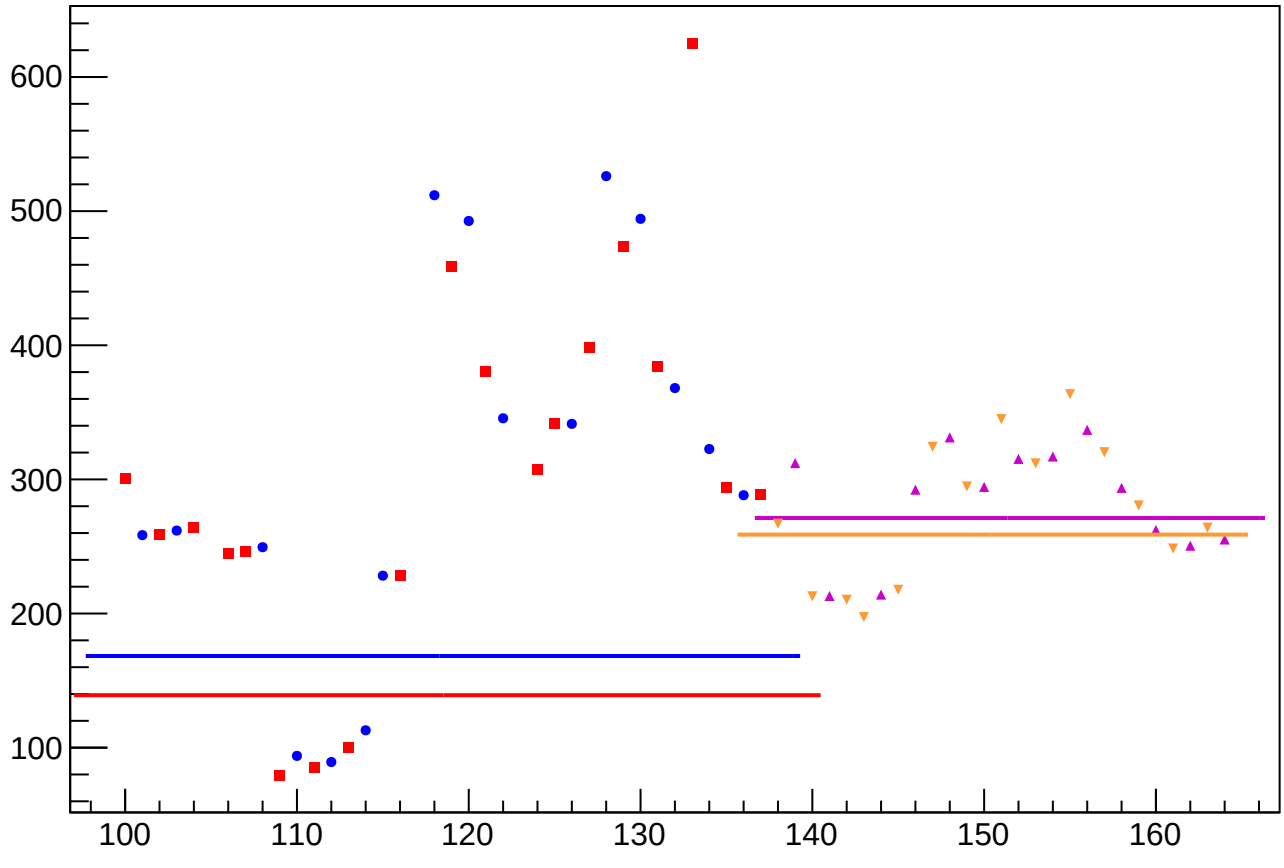
Left: -165.564+/-57.256 χ^2/NDF: 51.0/26

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -45.572+/-56.163 χ^2/NDF:32.3/28

Out: -140.419+/-49.772 χ^2/NDF:50.6/32

All: -98.696+/-37.250 χ^2/NDF: 84.6/61



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 258.842+/-0.056 χ^2/NDF:795670.7/13

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 271.211+/-0.059 χ^2/NDF:522787.4/12

Left: 264.716+/-0.040 χ^2/NDF: 1341732.3/26

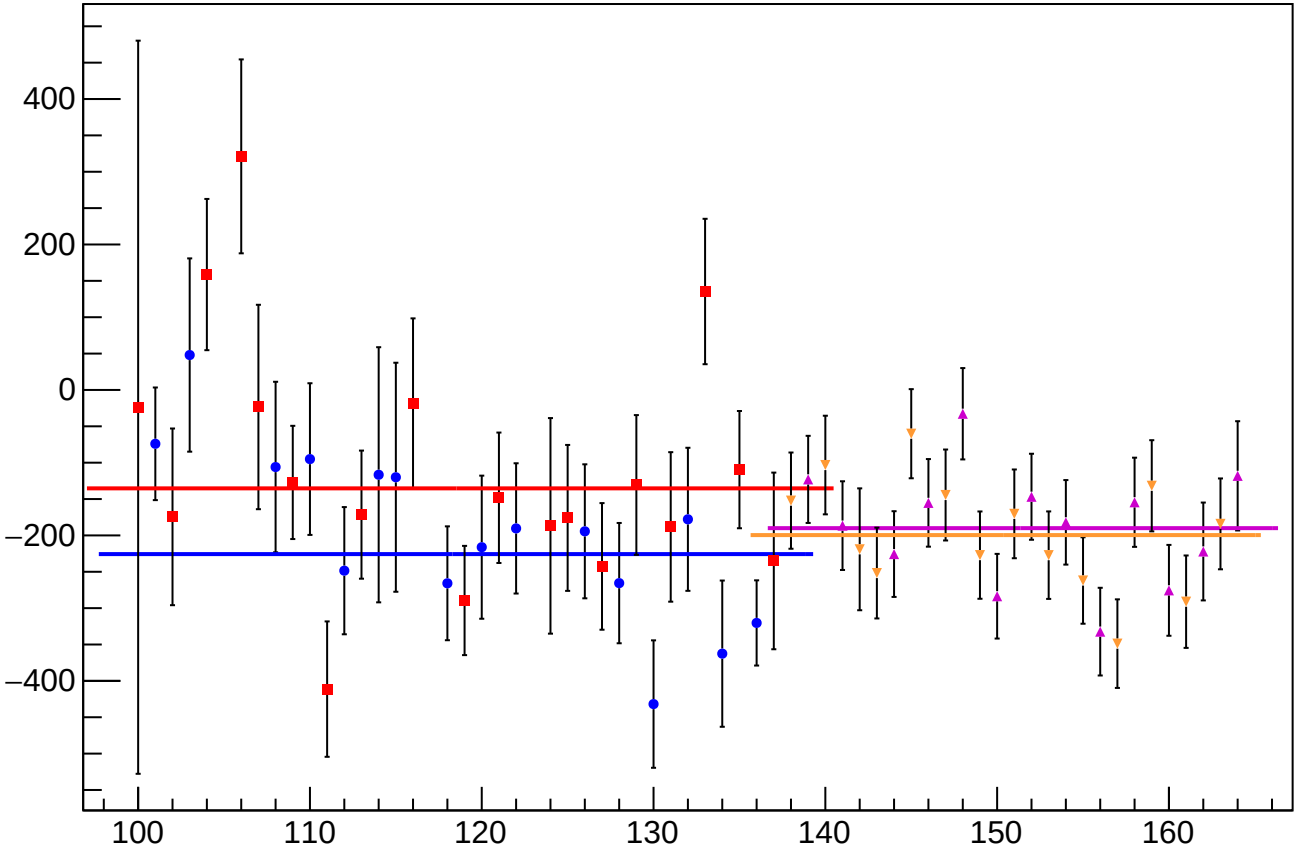
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 215.341+/-0.040 χ^2/NDF:6732275.2/28

Out: 186.616+/-0.035 χ^2/NDF:8696098.3/32

All: 199.252+/-0.026 χ^2/NDF: 15721427.1/61

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.557+/-16.899 χ^2/NDF:20.3/13

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -190.014+/-17.055 χ^2/NDF:20.3/12

Left: -194.829+/-12.004 χ^2/NDF: 40.8/26

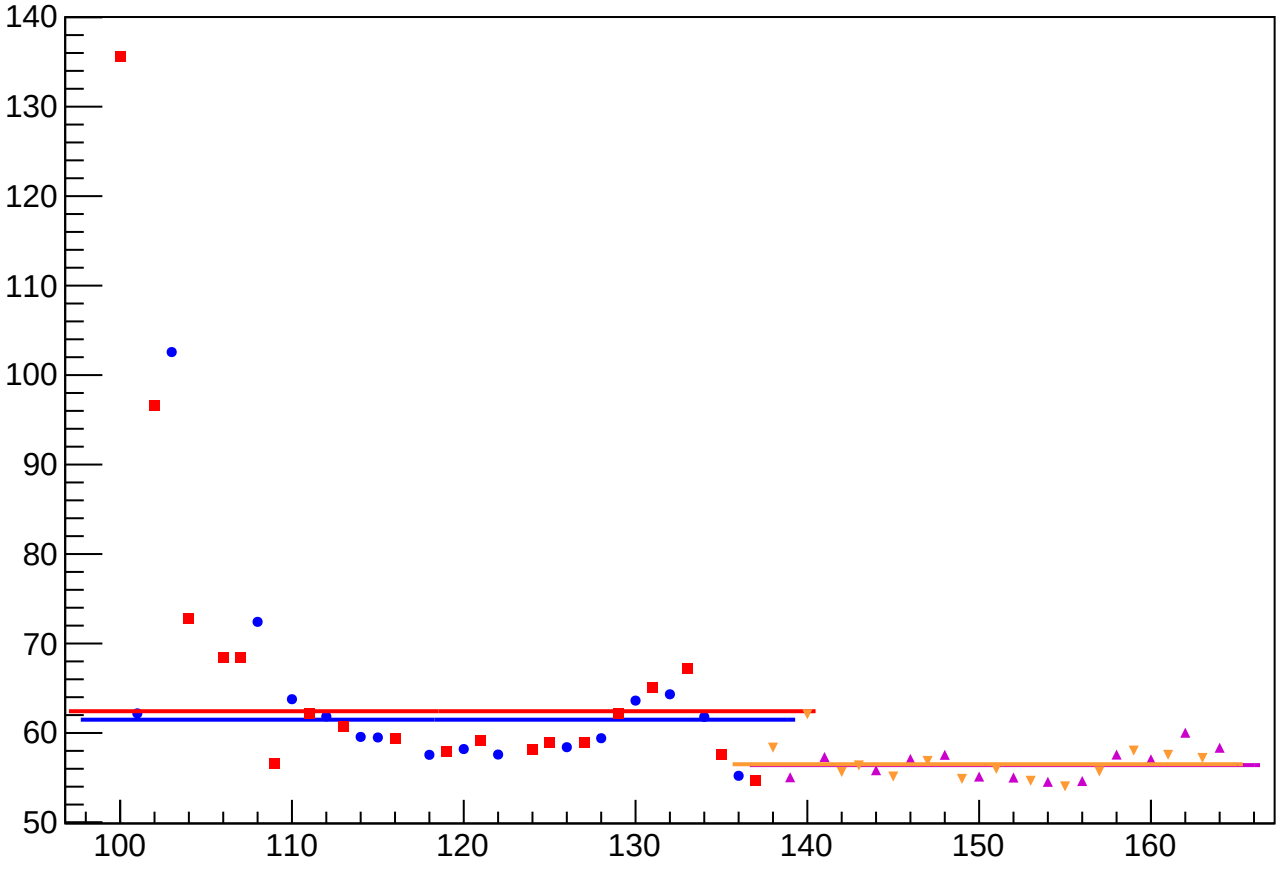
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -202.588+/-13.724 χ^2/NDF:44.4/28

Out: -177.291+/-13.661 χ^2/NDF:70.2/32

All: -189.881+/-9.682 χ^2/NDF: 116.4/61

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.507+/-0.012 χ^2/NDF:25759.9/13

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.409+/-0.012 χ^2/NDF:16548.9/12

Left: 56.458+/-0.008 χ^2/NDF: 42341.9/26

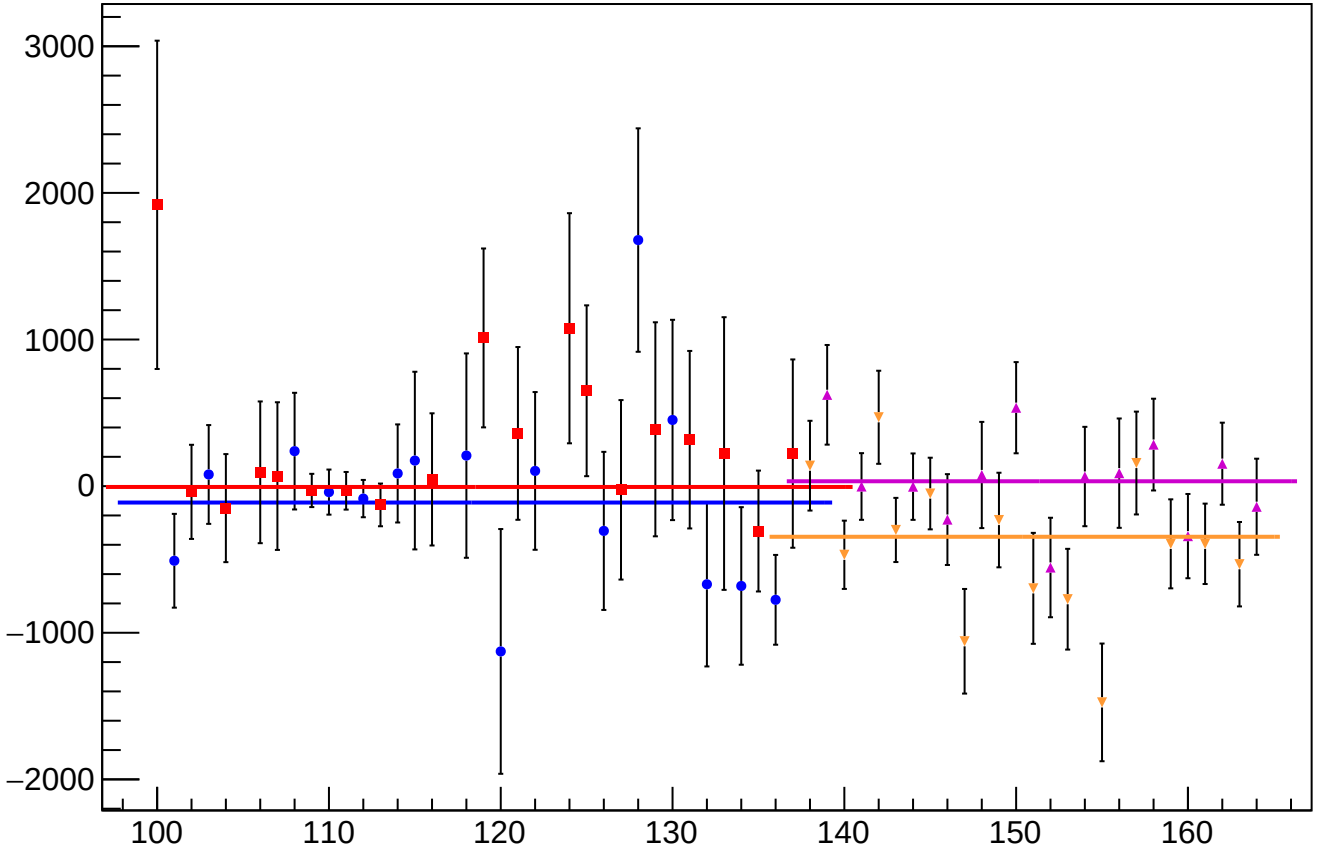
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.198+/-0.010 χ^2/NDF:329685.3/28

Out: 58.560+/-0.010 χ^2/NDF:390402.8/32

All: 58.380+/-0.007 χ^2/NDF: 720787.9/61

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -345.350+/-79.015 χ^2/NDF:27.9/13

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 33.214+/-83.083 χ^2/NDF:12.2/12

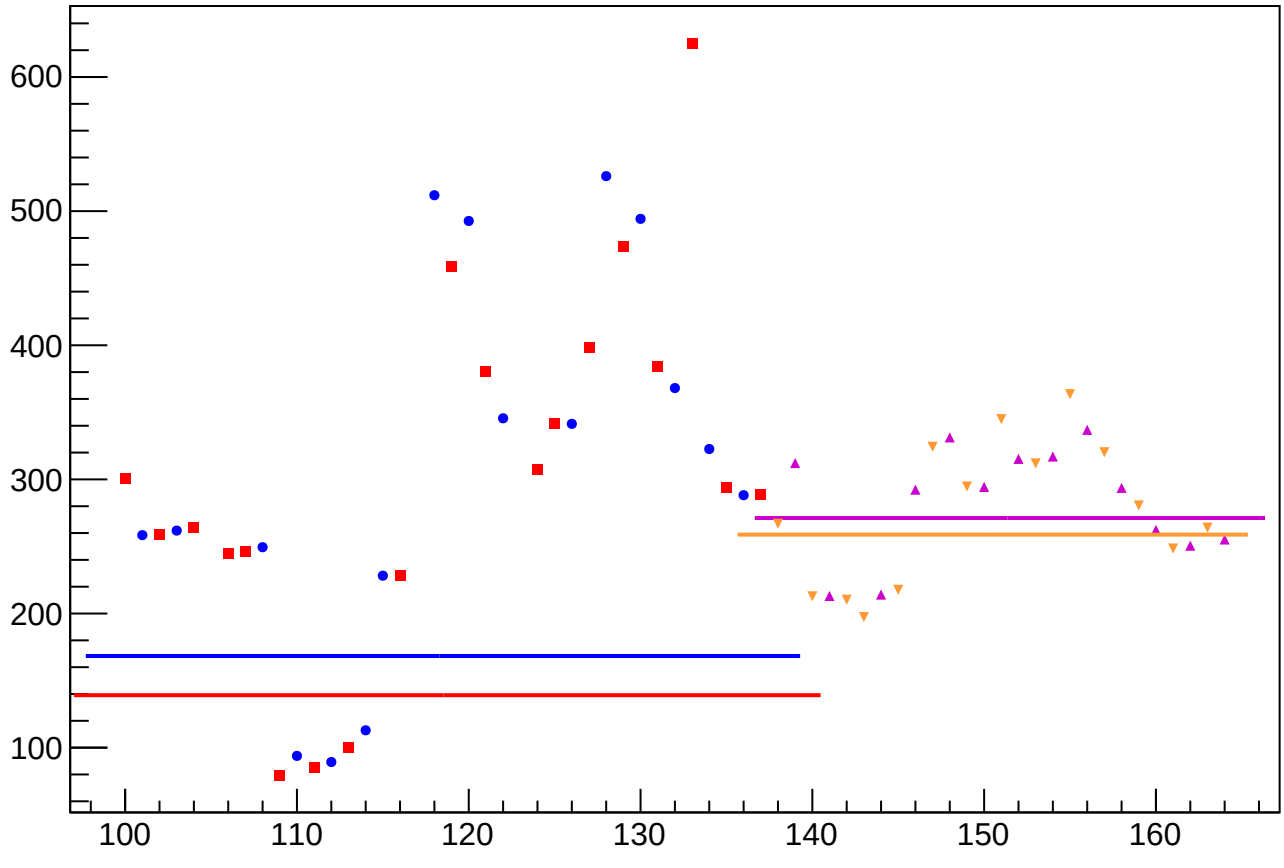
Left: -165.564+/-57.256 χ^2/NDF: 51.0/26

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -45.572+/-56.163 χ^2/NDF:32.3/28

Out: -140.419+/-49.772 χ^2/NDF:50.6/32

All: -98.696+/-37.250 χ^2/NDF: 84.6/61



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 258.842+/-0.056 χ^2/NDF:795670.7/13

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 271.211+/-0.059 χ^2/NDF:522787.4/12

Left: 264.716+/-0.040 χ^2/NDF: 1341732.3/26

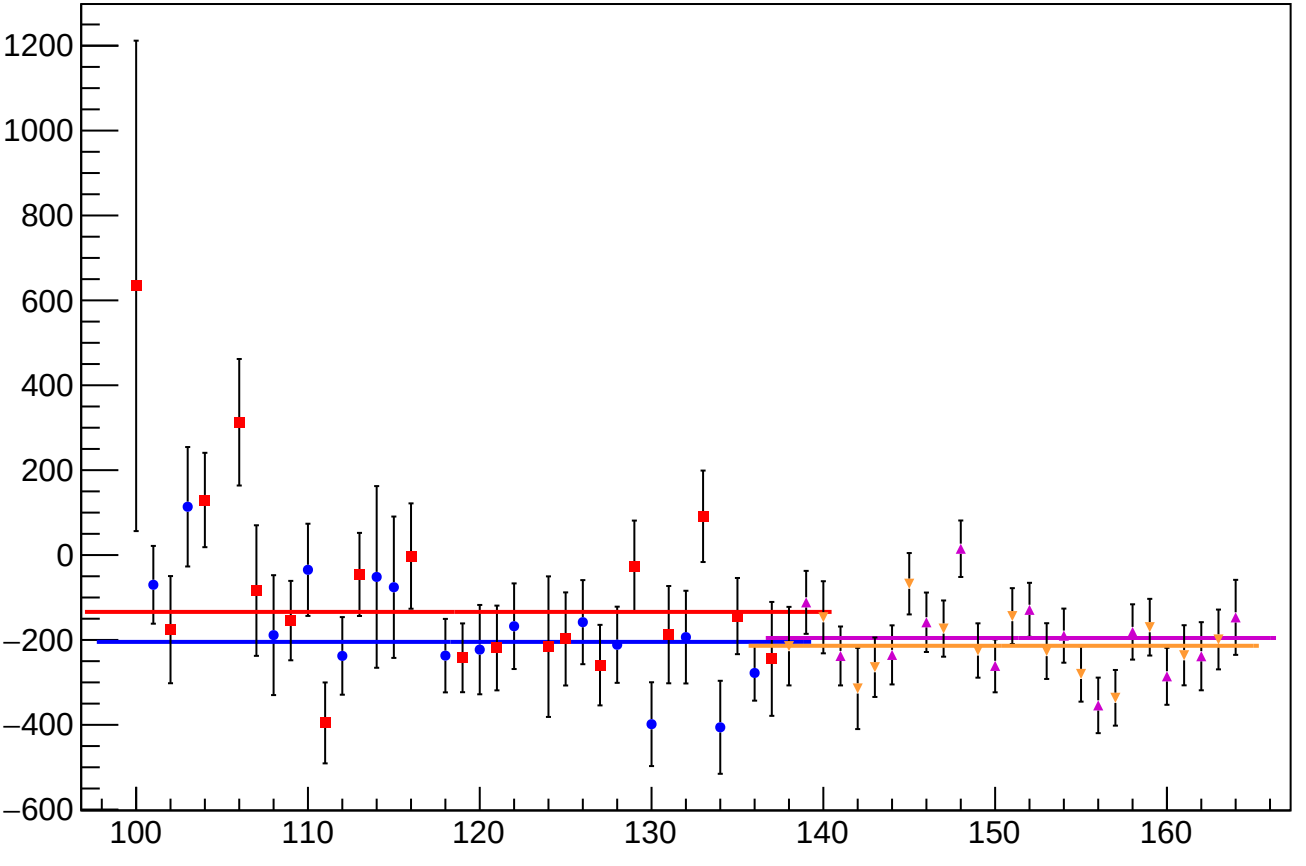
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 215.341+/-0.040 χ^2/NDF:6732275.2/28

Out: 186.616+/-0.035 χ^2/NDF:8696098.3/32

All: 199.252+/-0.026 χ^2/NDF: 15721427.1/61

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -213.771+/-18.945 χ^2/NDF:13.0/13

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -195.401+/-19.067 χ^2/NDF:22.8/12

Left: -204.645+/-13.439 χ^2/NDF: 36.3/26

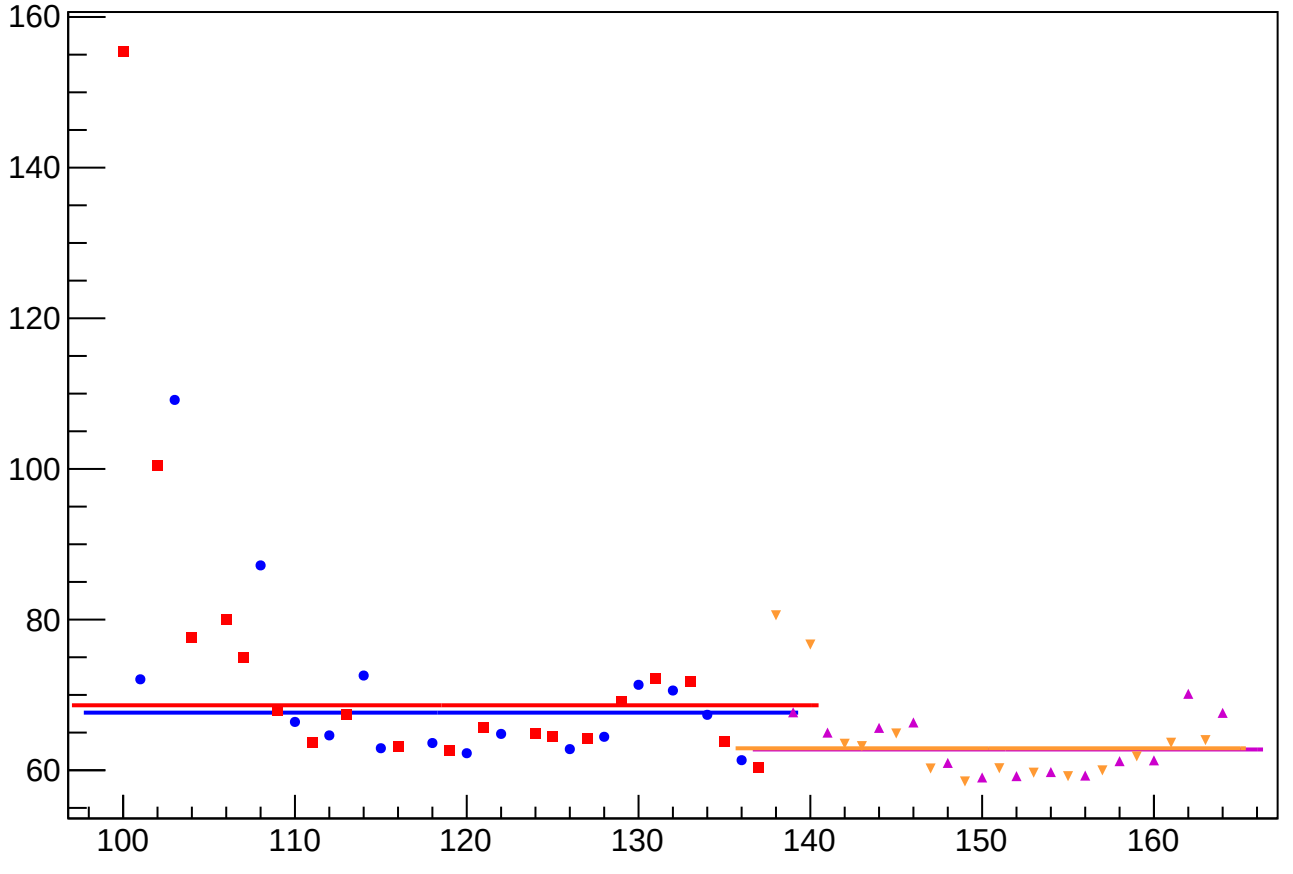
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -198.688+/-15.275 χ^2/NDF:42.9/28

Out: -185.349+/-15.204 χ^2/NDF:56.6/32

All: -191.987+/-10.776 χ^2/NDF: 99.8/61

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 62.913+/-0.013 χ^2/NDF:159504.1/13

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 62.757+/-0.013 χ^2/NDF:69409.9/12

Left: 62.835+/-0.010 χ^2/NDF: 228982.0/26

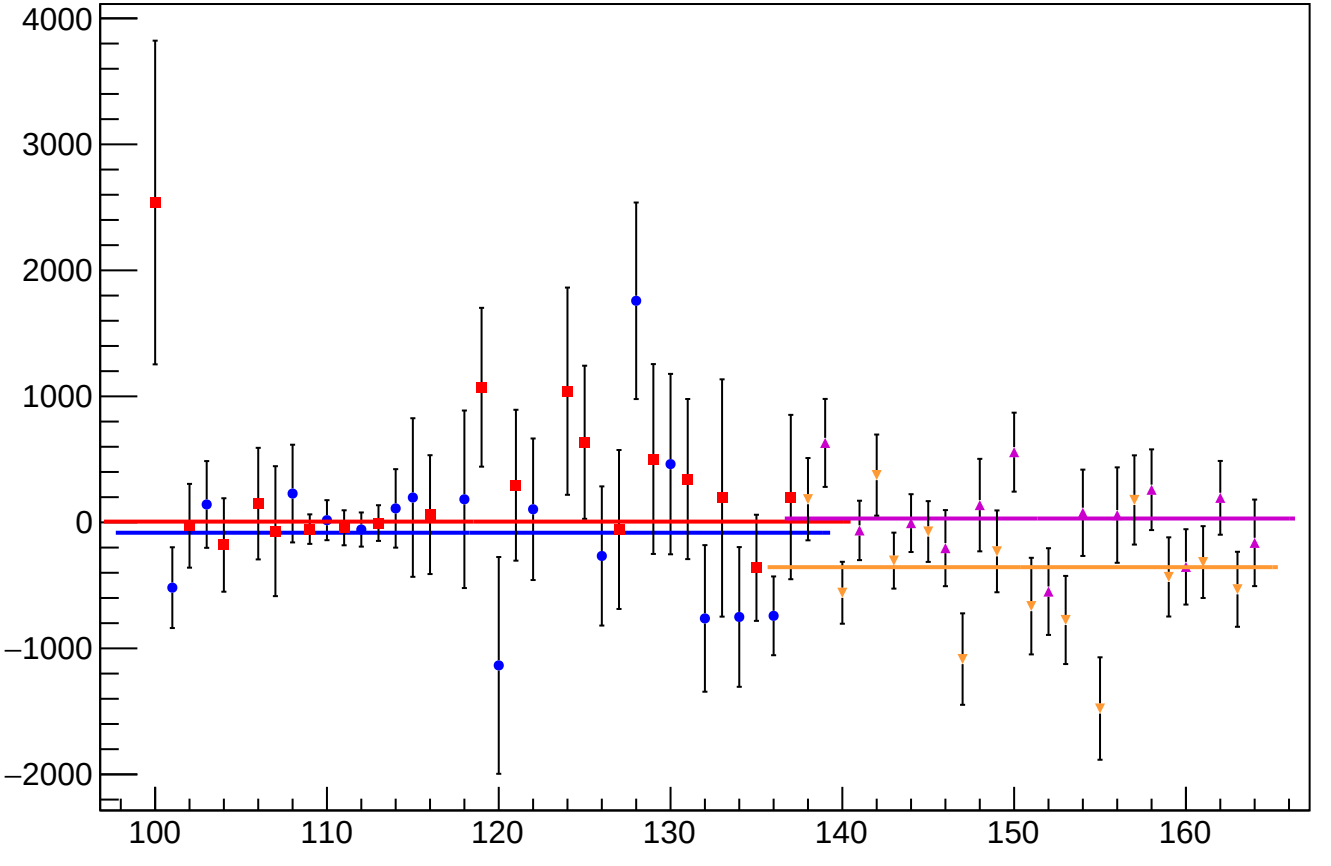
Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.508+/-0.011 χ^2/NDF:380214.6/28

Out: 64.946+/-0.011 χ^2/NDF:472354.6/32

All: 64.728+/-0.008 χ^2/NDF: 853393.7/61

asym_sam8_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -355.566+/-80.886 χ^2/NDF:26.6/13

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 30.601+/-84.884 χ^2/NDF:12.3/12

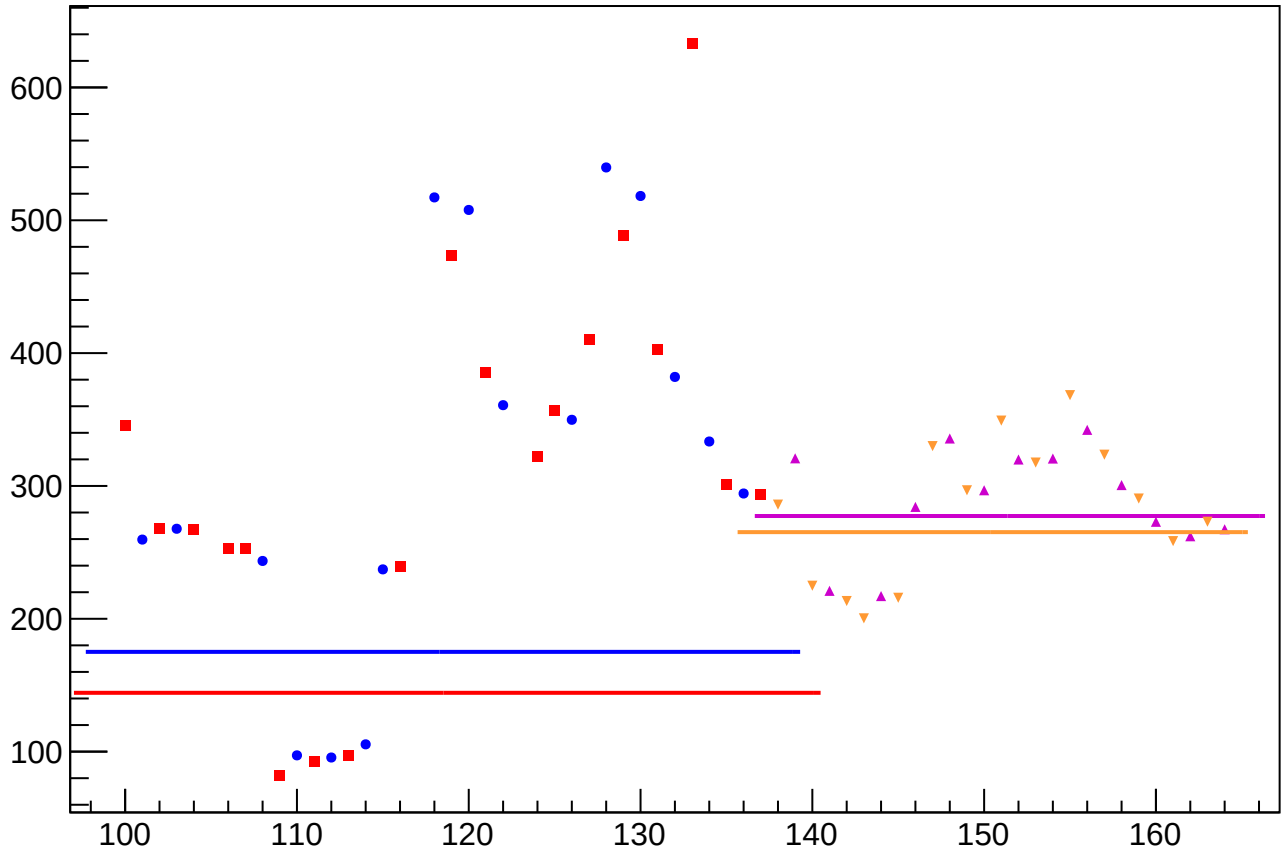
Left: -171.790+/-58.558 χ^2/NDF: 49.7/26

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -30.090+/-57.702 χ^2/NDF:32.5/28

Out: -138.238+/-51.095 χ^2/NDF:50.6/32

All: -90.707+/-38.253 χ^2/NDF: 85.1/61



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 265.234+/-0.057 χ^2/NDF:790239.4/13

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 277.373+/-0.060 χ^2/NDF:481653.8/12

Left: 271.011+/-0.041 χ^2/NDF: 1293331.6/26

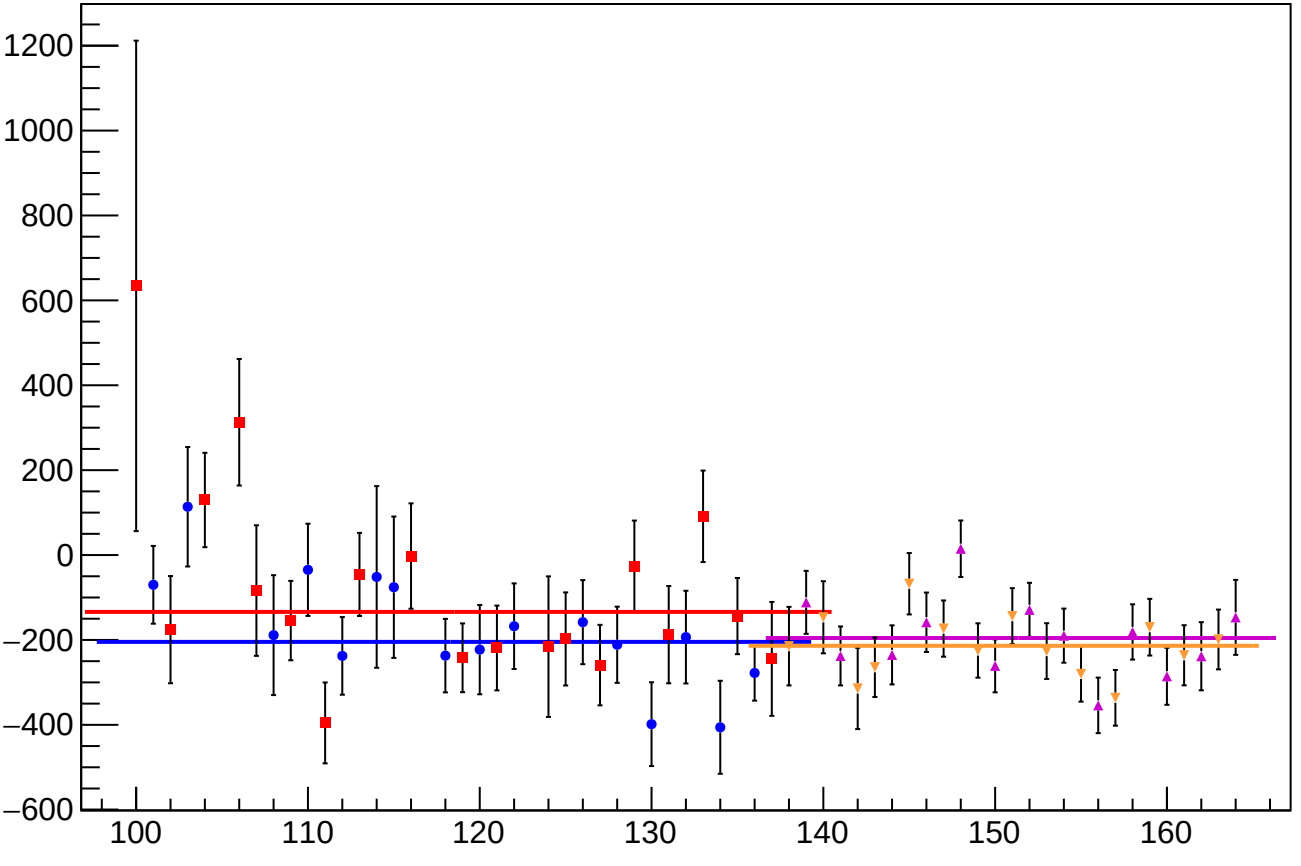
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 222.360+/-0.041 χ^2/NDF:6472463.8/28

Out: 192.542+/-0.036 χ^2/NDF:8610462.9/32

All: 205.647+/-0.027 χ^2/NDF: 15382274.7/61

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -213.770+/-18.945 χ^2/NDF:13.0/13

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -195.402+/-19.067 χ^2/NDF:22.8/12

Left: -204.645+/-13.439 χ^2/NDF: 36.3/26

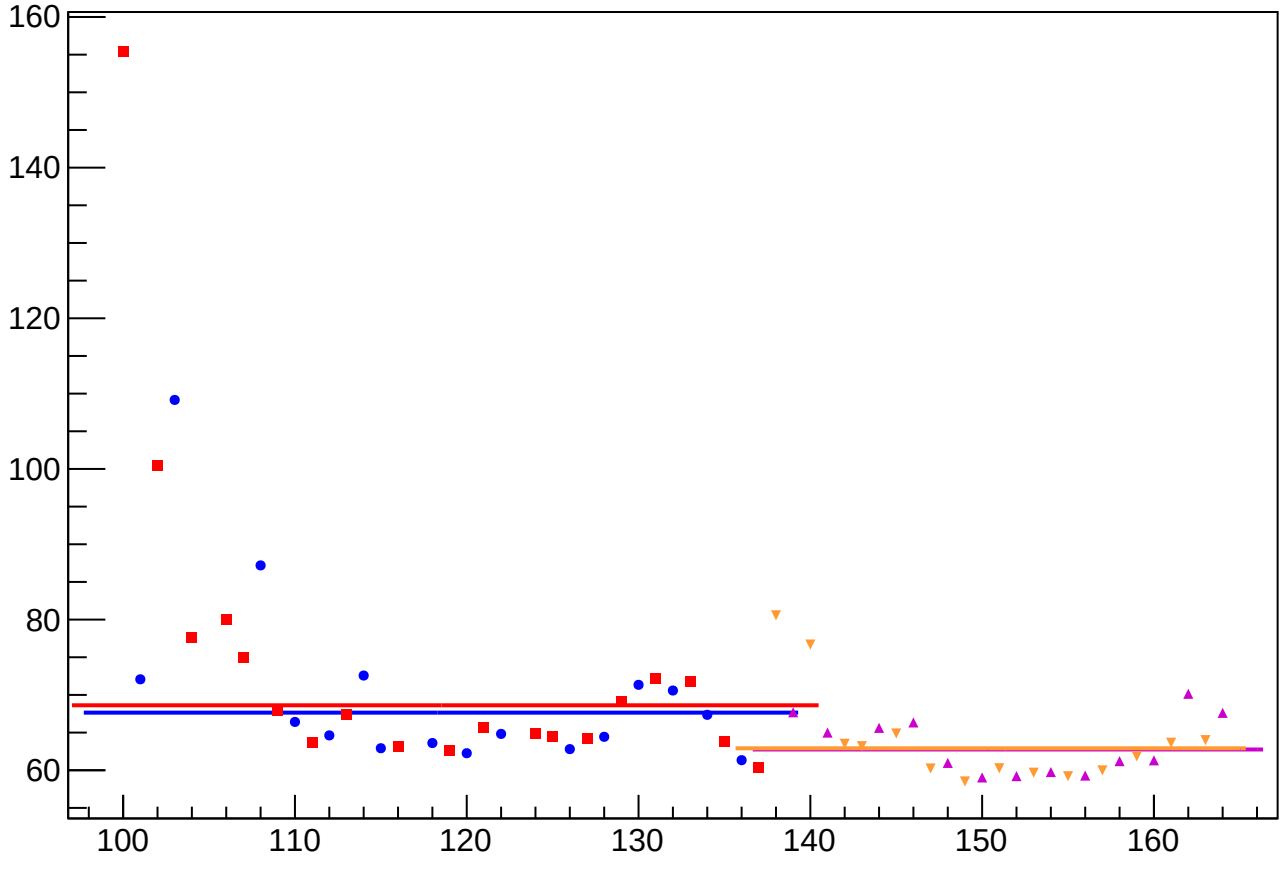
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -198.688+/-15.275 χ^2/NDF:42.9/28

Out: -185.349+/-15.204 χ^2/NDF:56.6/32

All: -191.987+/-10.776 χ^2/NDF: 99.8/61

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 62.913+/-0.013 χ^2/NDF:159503.0/13

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 62.757+/-0.013 χ^2/NDF:69410.1/12

Left: 62.835+/-0.010 χ^2/NDF: 228981.1/26

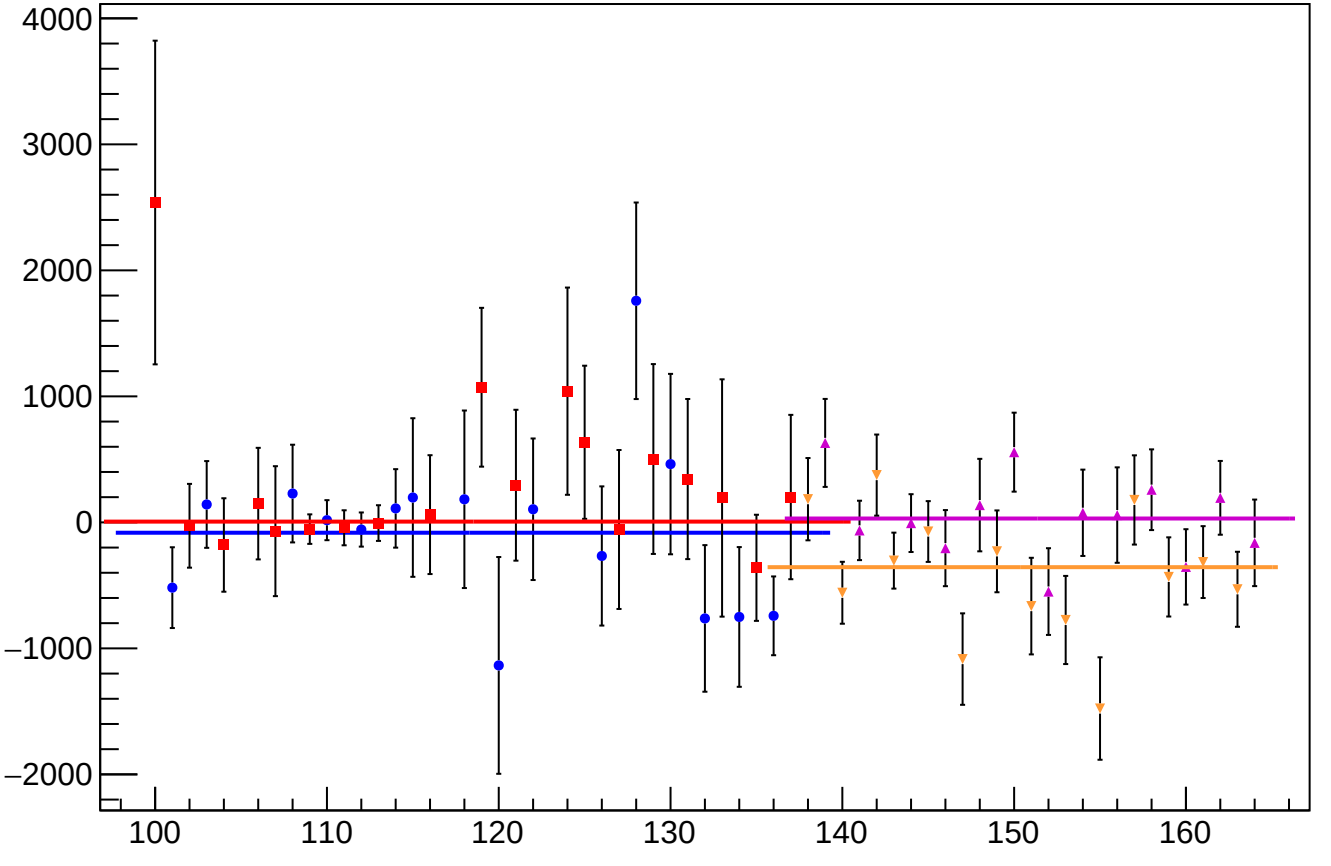
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.508+/-0.011 χ^2/NDF:380209.8/28

Out: 64.946+/-0.011 χ^2/NDF:472349.4/32

All: 64.728+/-0.008 χ^2/NDF: 853383.8/61

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -355.565+/-80.886 χ^2/NDF:26.6/13

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 30.601+/-84.884 χ^2/NDF:12.3/12

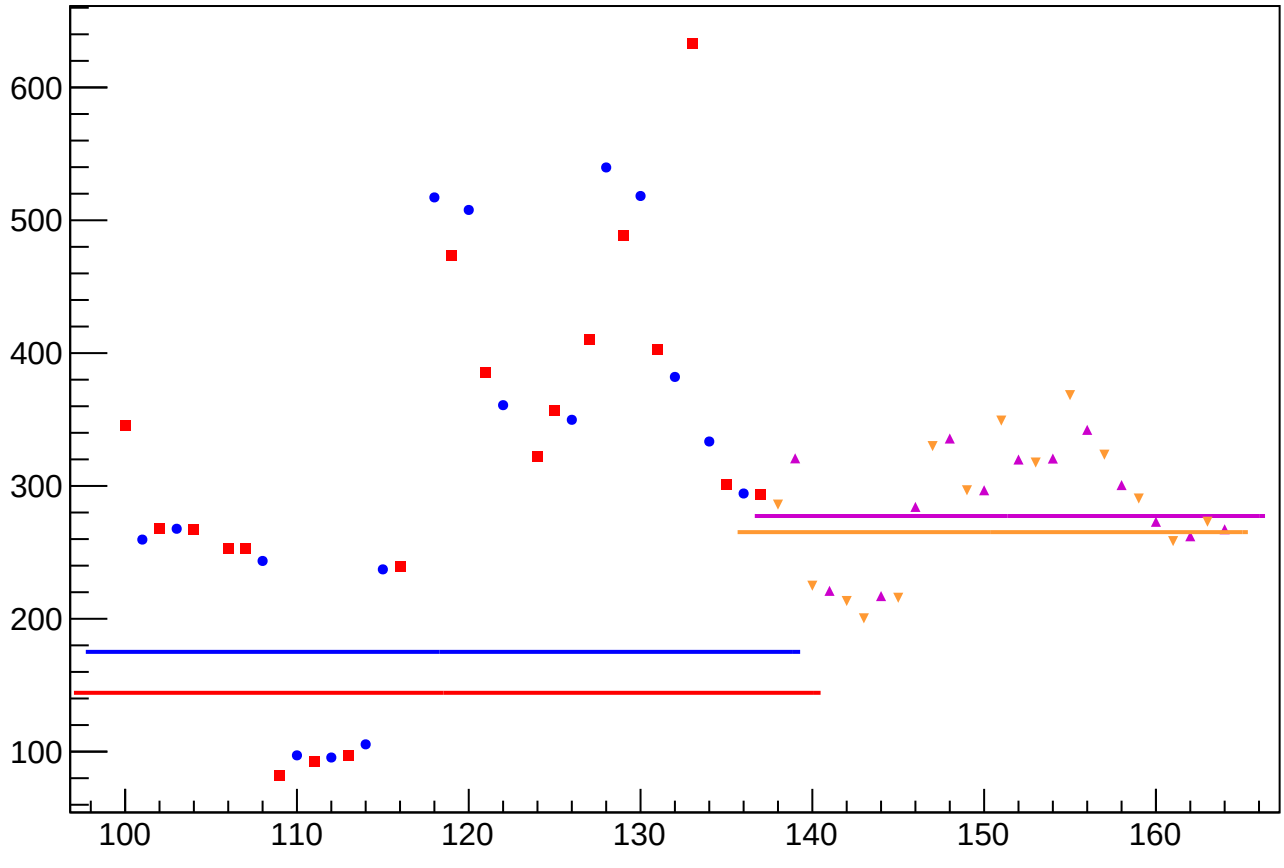
Left: -171.790+/-58.557 χ^2/NDF: 49.7/26

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -30.089+/-57.702 χ^2/NDF:32.5/28

Out: -138.238+/-51.095 χ^2/NDF:50.6/32

All: -90.708+/-38.253 χ^2/NDF: 85.1/61



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 265.232+/-0.057 χ^2/NDF:790247.4/13

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 277.372+/-0.060 χ^2/NDF:481655.1/12

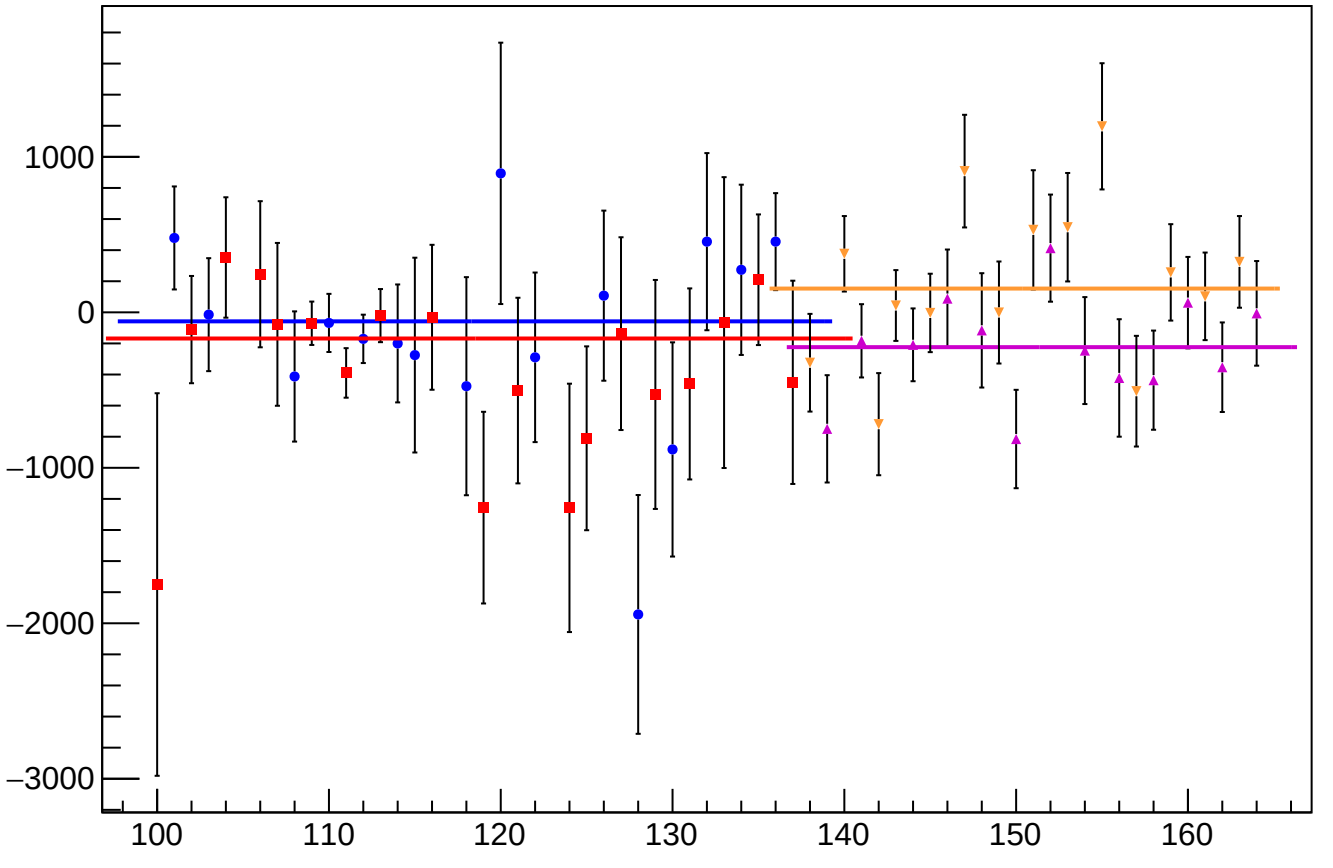
Left: 271.010+/-0.041 χ^2/NDF: 1293341.6/26

Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 222.358+/-0.041 χ^2/NDF:6472515.4/28

Out: 192.541+/-0.036 χ^2/NDF:8610433.7/32

All: 205.646+/-0.027 χ^2/NDF: 15382284.0/61



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 152.866+/-81.168 χ^2/NDF:28.2/13

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -223.922+/-85.062 χ^2/NDF:12.6/12

Left: -26.707+/-58.723 χ^2/NDF: 51.0/26

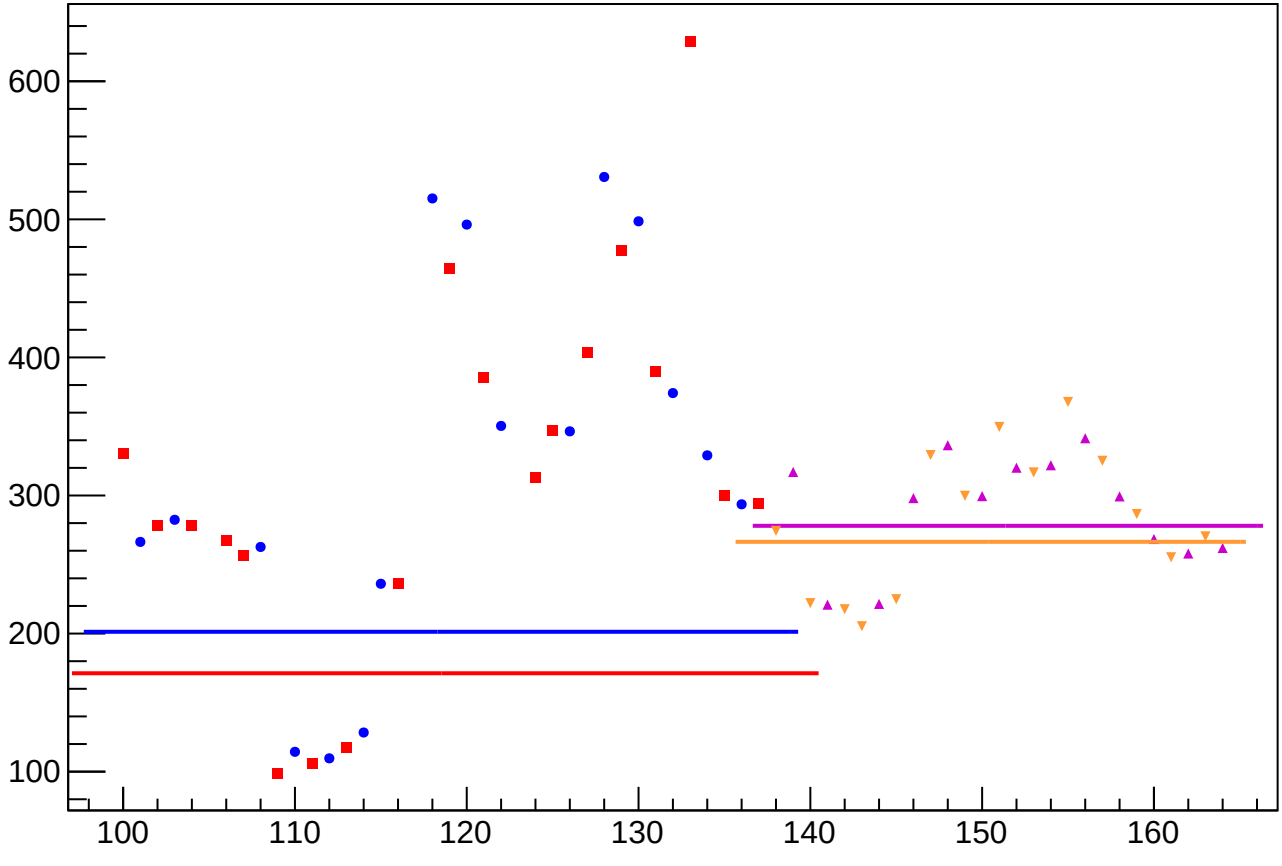
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -142.711+/-60.784 χ^2/NDF:31.9/28

Out: -21.251+/-54.925 χ^2/NDF:52.2/32

All: -75.846+/-40.752 χ^2/NDF: 86.2/61

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 266.457+/-0.057 χ^2/NDF:718327.9/13

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 278.046+/-0.060 χ^2/NDF:471364.6/12

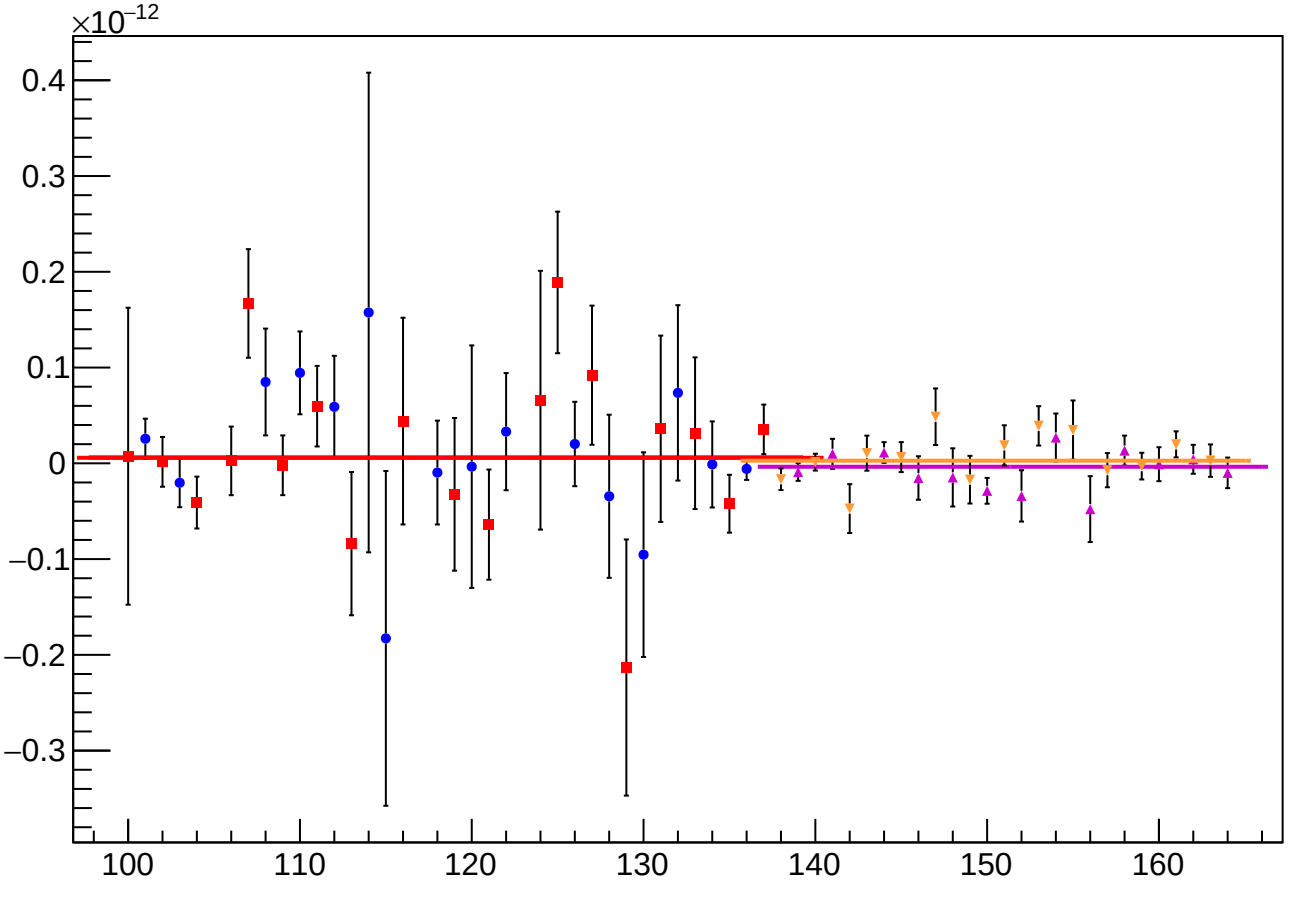
Left: 271.980+/-0.042 χ^2/NDF: 1209122.6/26

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 240.490+/-0.043 χ^2/NDF:4840257.2/28

Out: 214.846+/-0.039 χ^2/NDF:6402541.9/32

All: 226.373+/-0.029 χ^2/NDF: 11438766.8/61



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

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/12

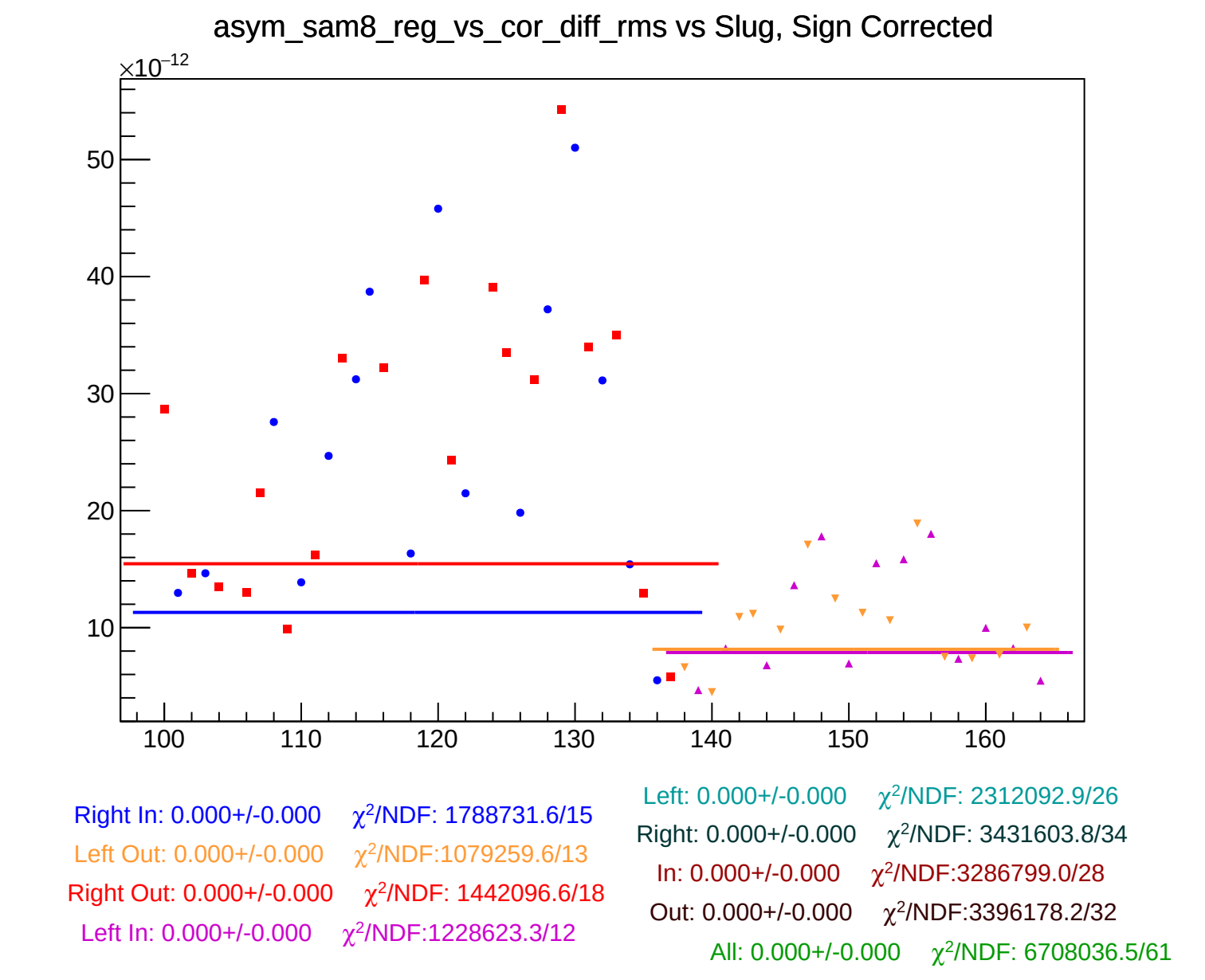
Left: -0.000+/-0.000 χ^2/NDF: 30.9/26

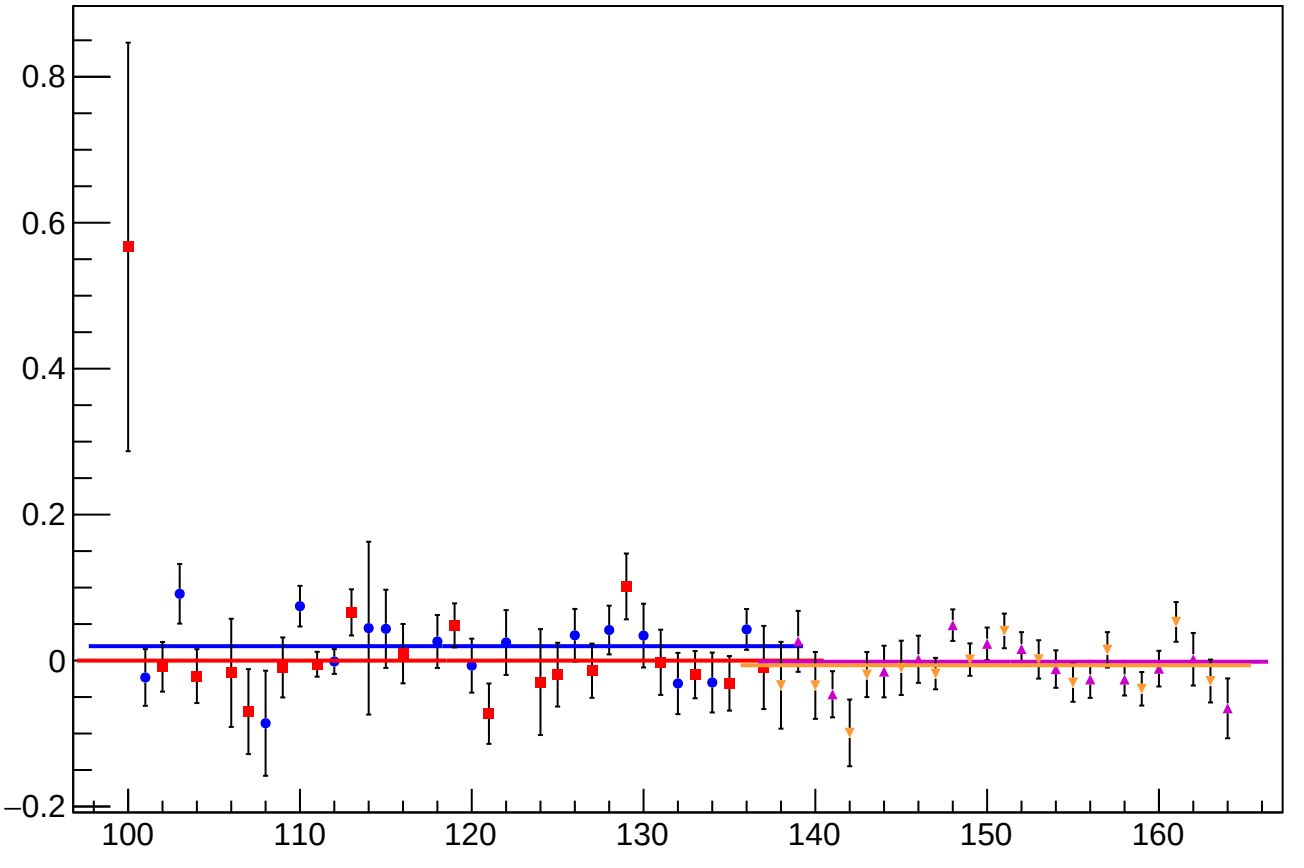
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:27.8/28

Out: 0.000+/-0.000 χ^2/NDF:47.5/32

All: 0.000+/-0.000 χ^2/NDF: 76.0/61


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1079259.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1228623.3/12
Left: 0.000+/-0.000 χ²/NDF: 2312092.9/26
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3286799.0/28
Out: 0.000+/-0.000 χ²/NDF:3396178.2/32
All: 0.000+/-0.000 χ²/NDF: 6708036.5/61



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:18.2/13

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.002+/-0.008 χ^2/NDF:14.7/12

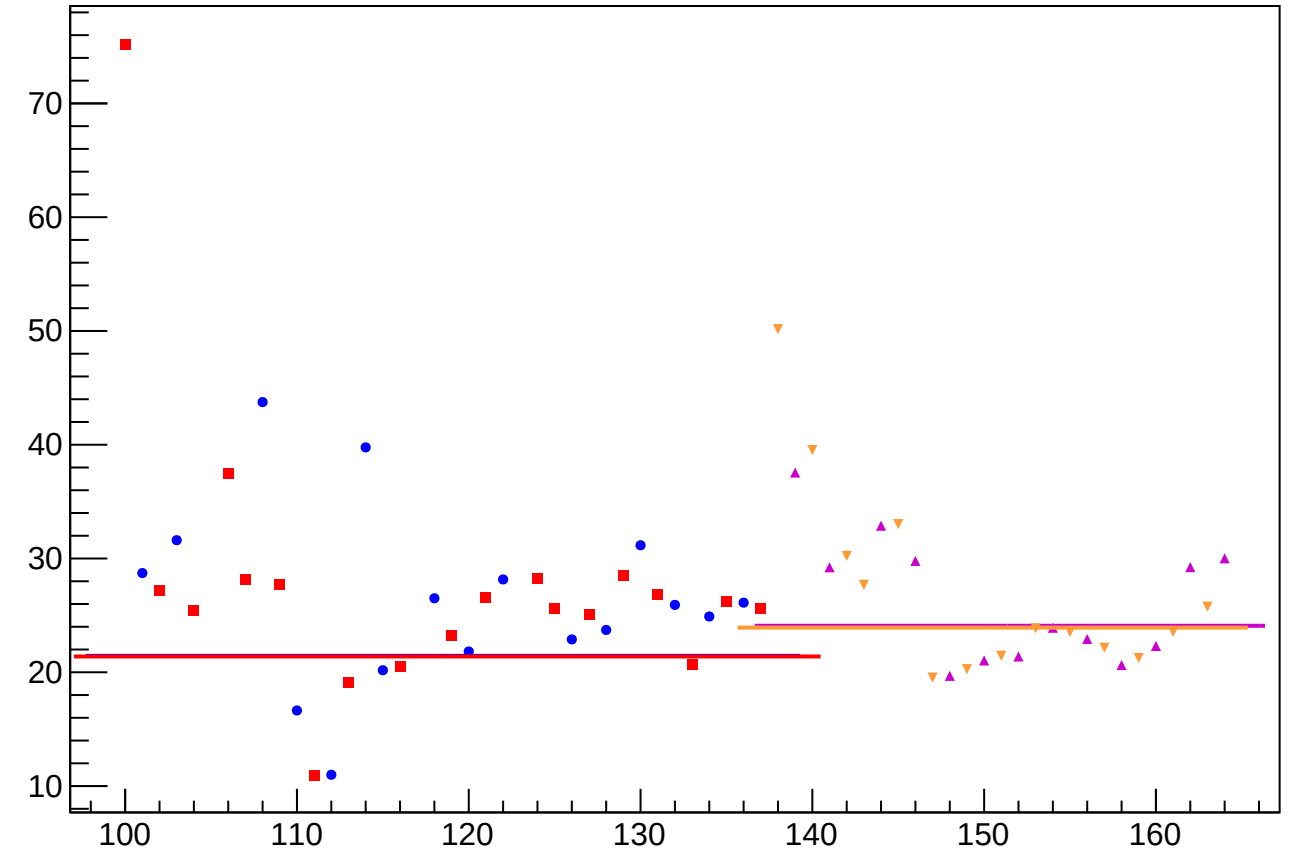
Left: -0.004+/-0.005 χ^2/NDF: 33.0/26

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:35.1/28

Out: -0.004+/-0.006 χ^2/NDF:41.3/32

All: 0.002+/-0.004 χ^2/NDF: 78.4/61



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.926+/-0.005 χ^2/NDF:1013549.1/13

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.087+/-0.005 χ^2/NDF:741942.2/12

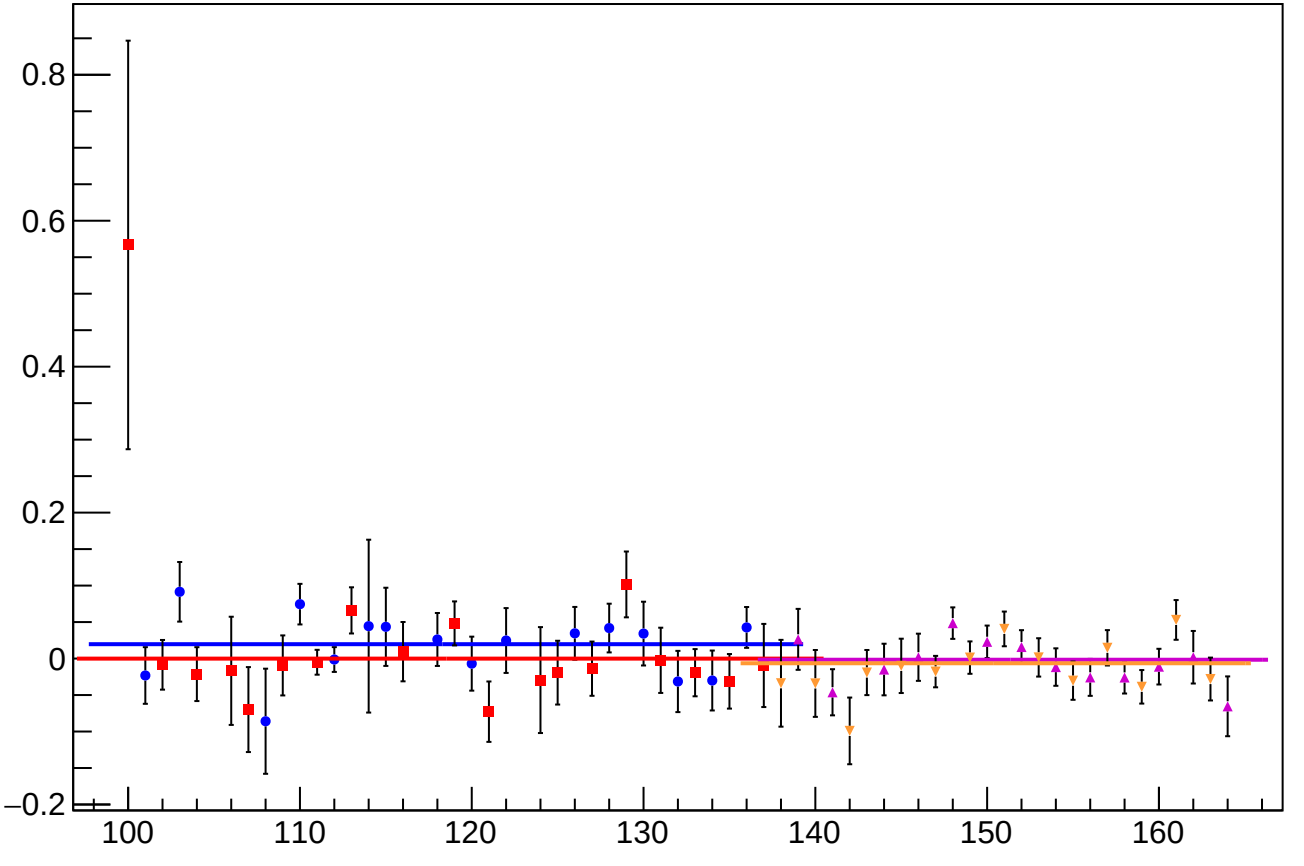
Left: 24.006+/-0.004 χ^2/NDF: 1755949.6/26

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.950+/-0.004 χ^2/NDF:2388247.0/28

Out: 22.824+/-0.004 χ^2/NDF:2426048.2/32

All: 22.886+/-0.003 χ^2/NDF: 4814796.4/61



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:18.2/13

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.002+/-0.008 χ^2/NDF:14.7/12

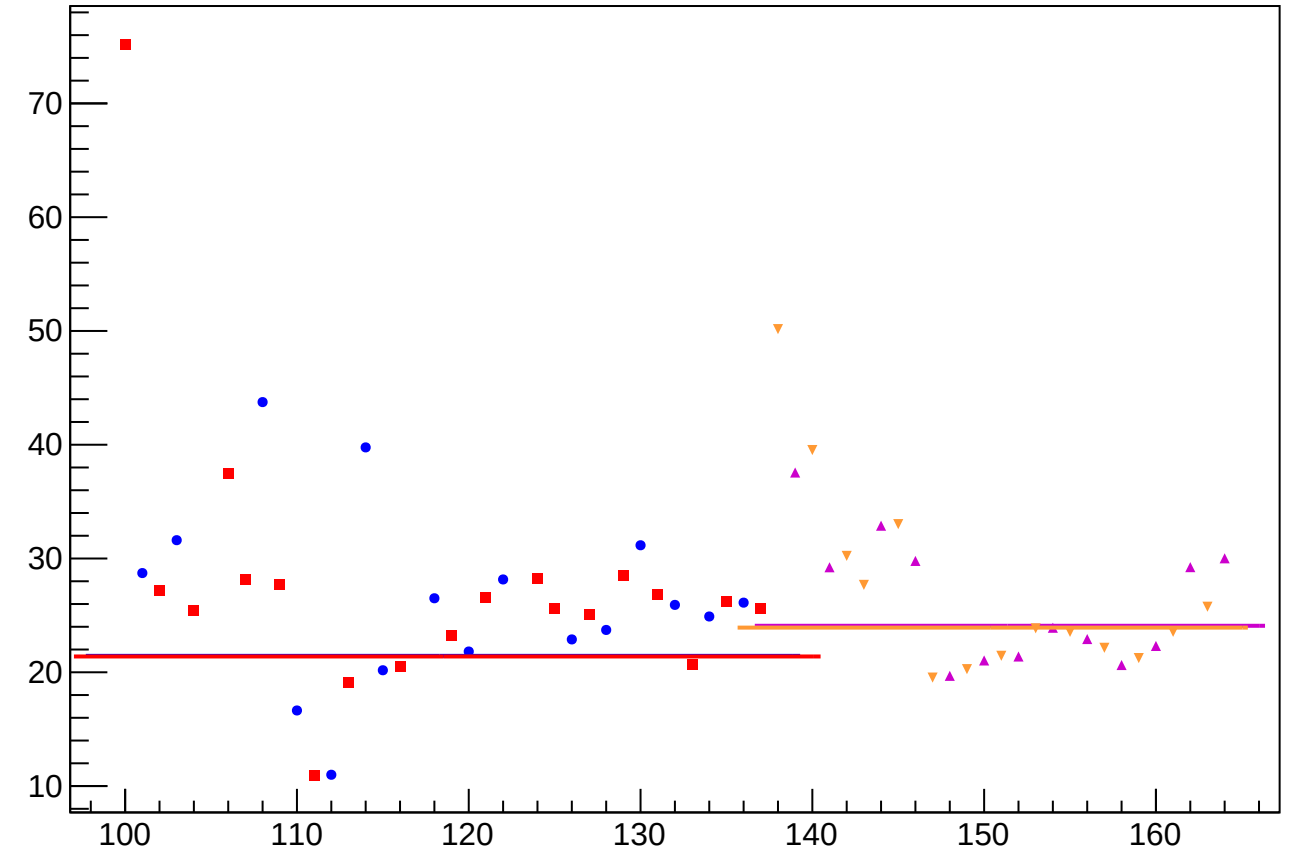
Left: -0.004+/-0.005 χ^2/NDF: 33.0/26

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:35.1/28

Out: -0.004+/-0.006 χ^2/NDF:41.3/32

All: 0.002+/-0.004 χ^2/NDF: 78.4/61



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.926+/-0.005 χ^2/NDF:1013549.1/13

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.087+/-0.005 χ^2/NDF:741942.2/12

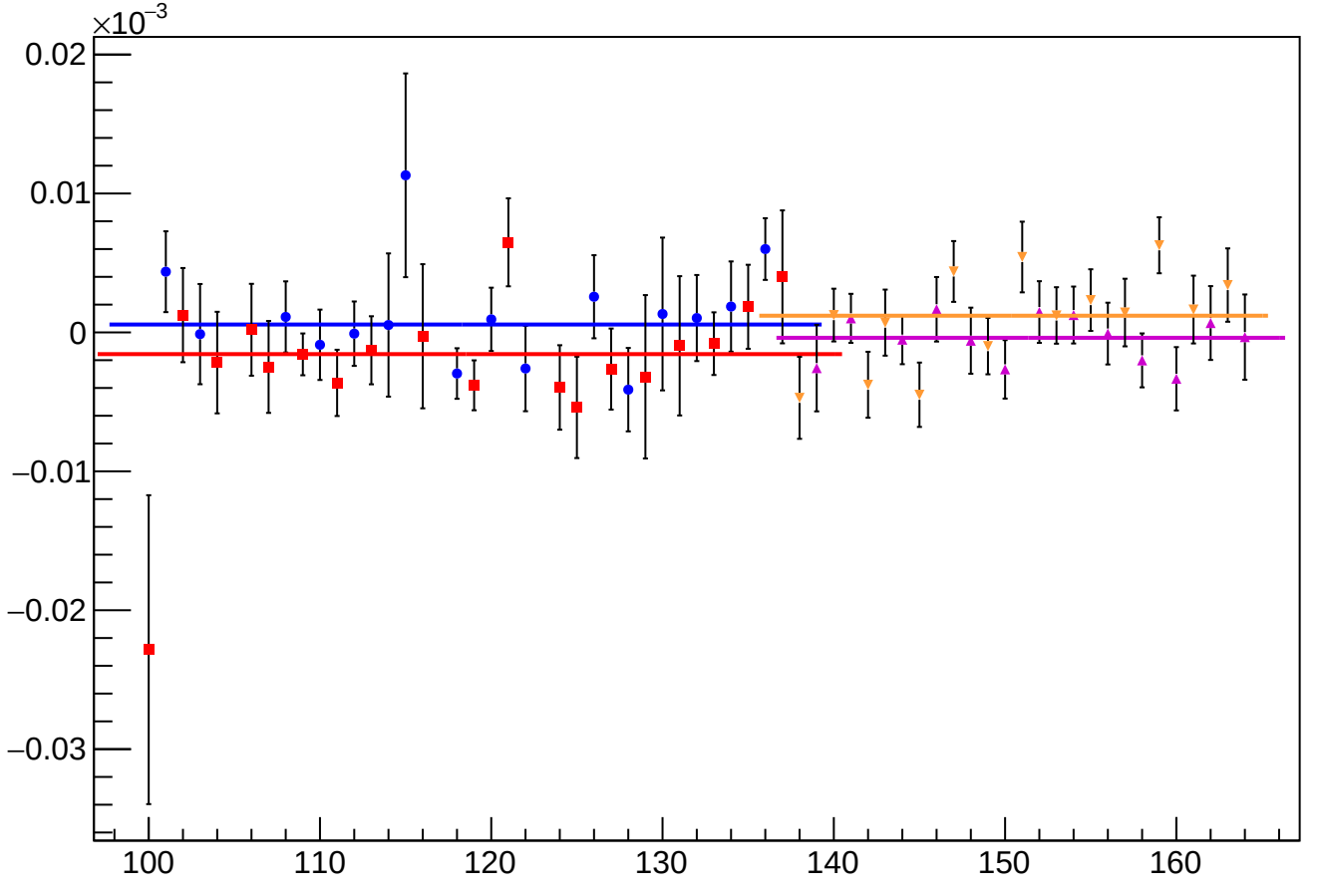
Left: 24.006+/-0.004 χ^2/NDF: 1755949.6/26

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.950+/-0.004 χ^2/NDF:2388247.0/28

Out: 22.824+/-0.004 χ^2/NDF:2426048.2/32

All: 22.886+/-0.003 χ^2/NDF: 4814796.4/61



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

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/12

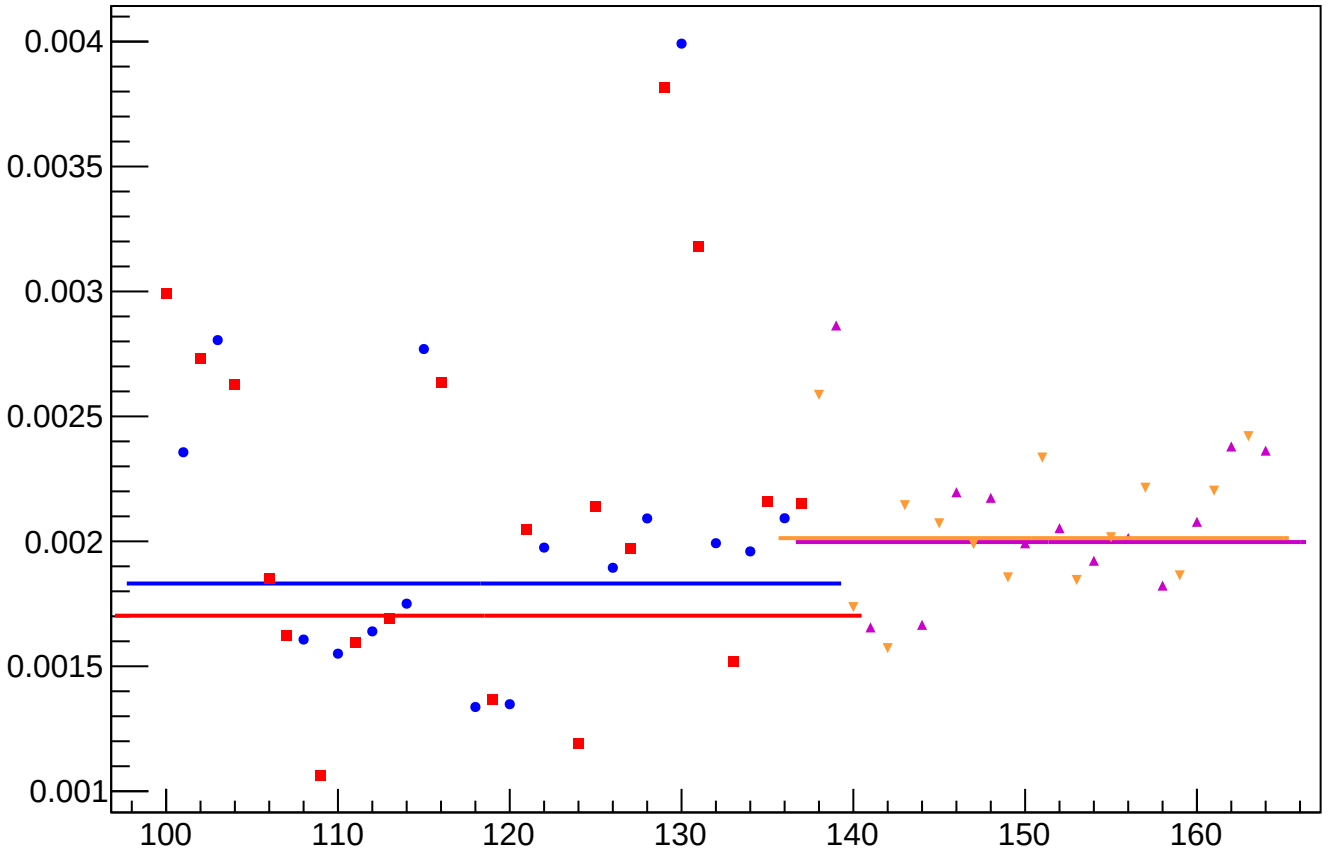
Left: 0.000+/-0.000 χ^2/NDF: 38.2/26

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:26.3/28

Out: -0.000+/-0.000 χ^2/NDF:55.6/32

All: -0.000+/-0.000 χ^2/NDF: 81.9/61



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:336551.6/13

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:418439.3/12

Left: 0.002+/-0.000 χ^2/NDF: 755660.0/26

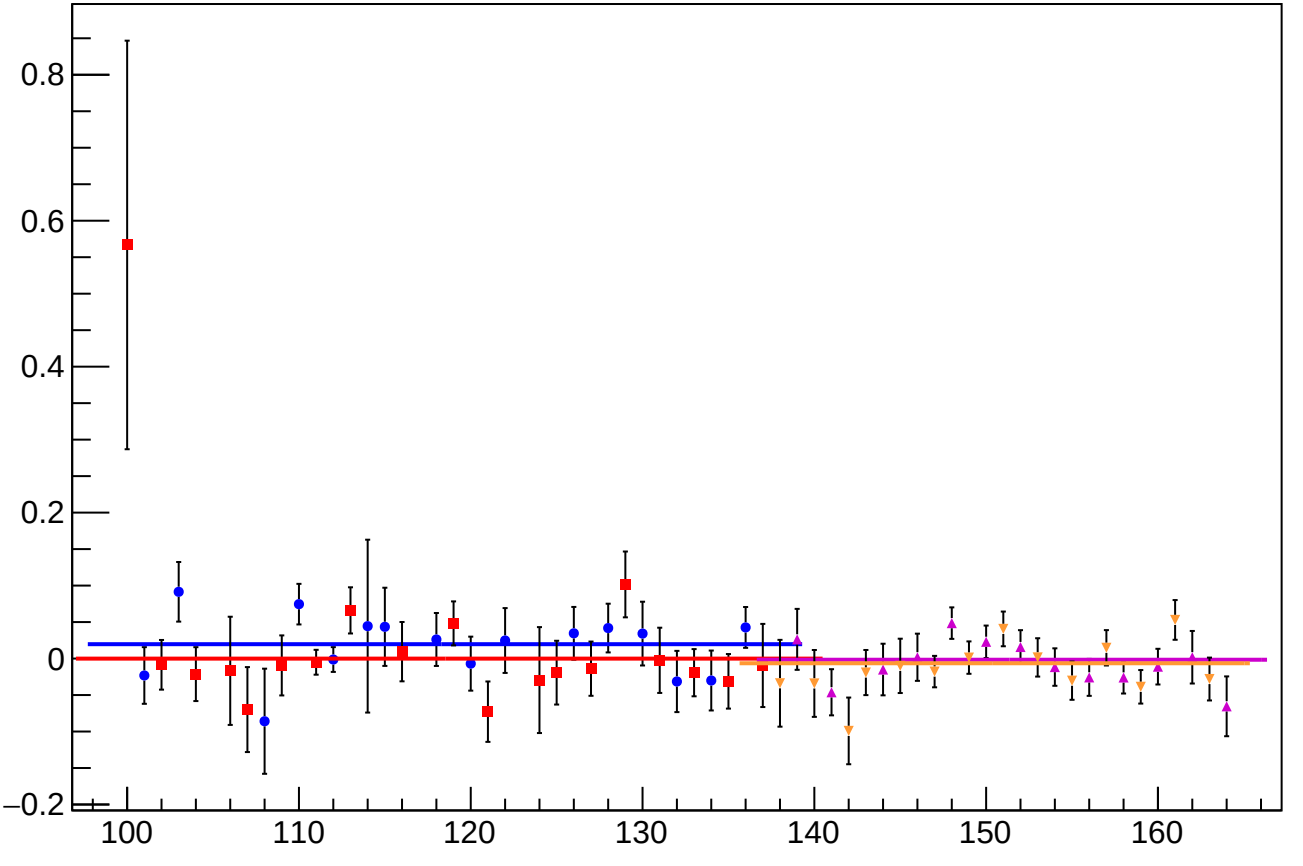
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1381986.4/28

Out: 0.002+/-0.000 χ^2/NDF:2054506.2/32

All: 0.002+/-0.000 χ^2/NDF: 3451598.7/61

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:18.2/13

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.002+/-0.008 χ^2/NDF:14.7/12

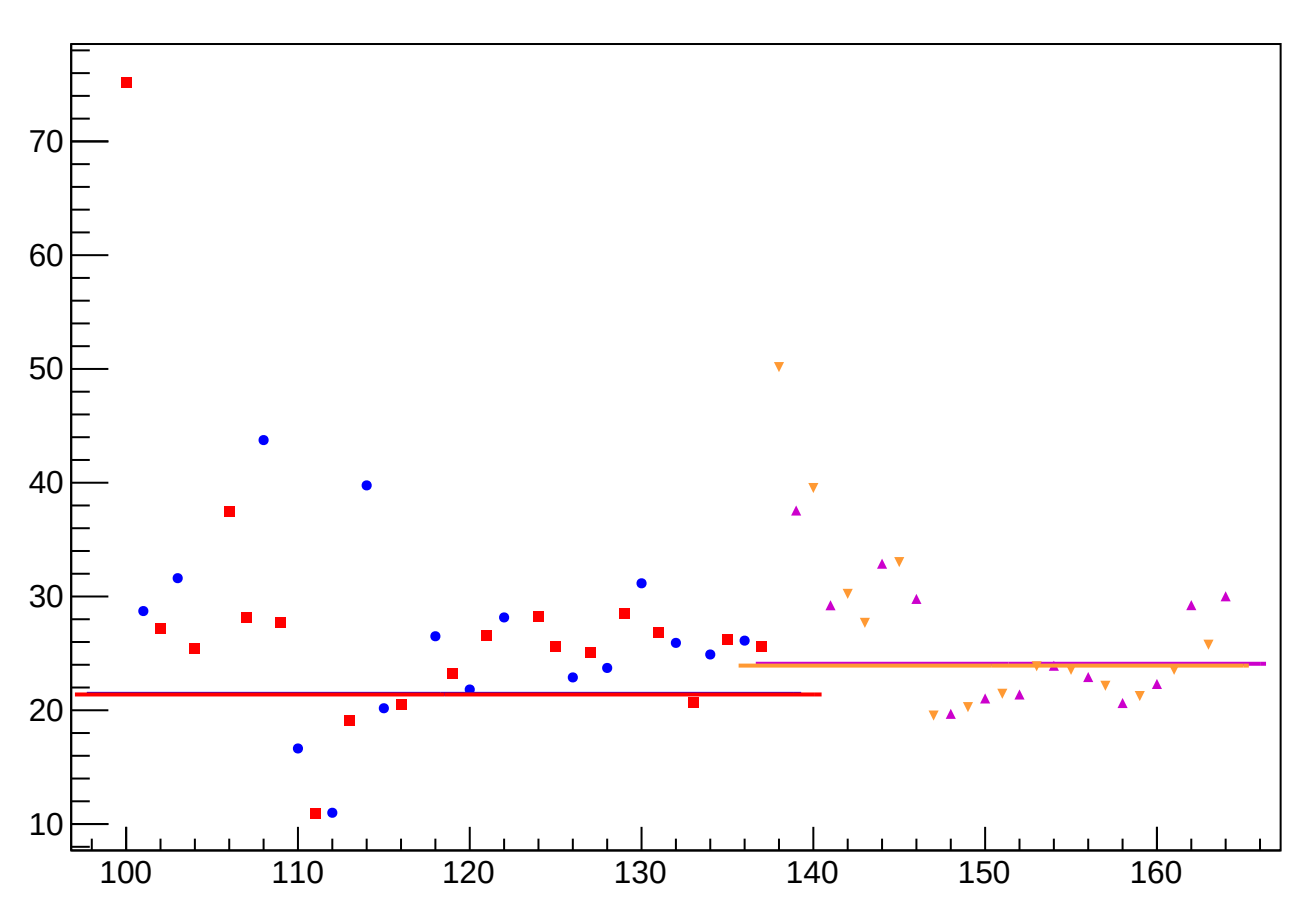
Left: -0.004+/-0.005 χ^2/NDF: 33.0/26

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:35.1/28

Out: -0.004+/-0.006 χ^2/NDF:41.3/32

All: 0.002+/-0.004 χ^2/NDF: 78.4/61



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.927+/-0.005 χ^2/NDF:1013548.9/13

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.087+/-0.005 χ^2/NDF:741942.9/12

Left: 24.006+/-0.004 χ^2/NDF: 1755950.1/26

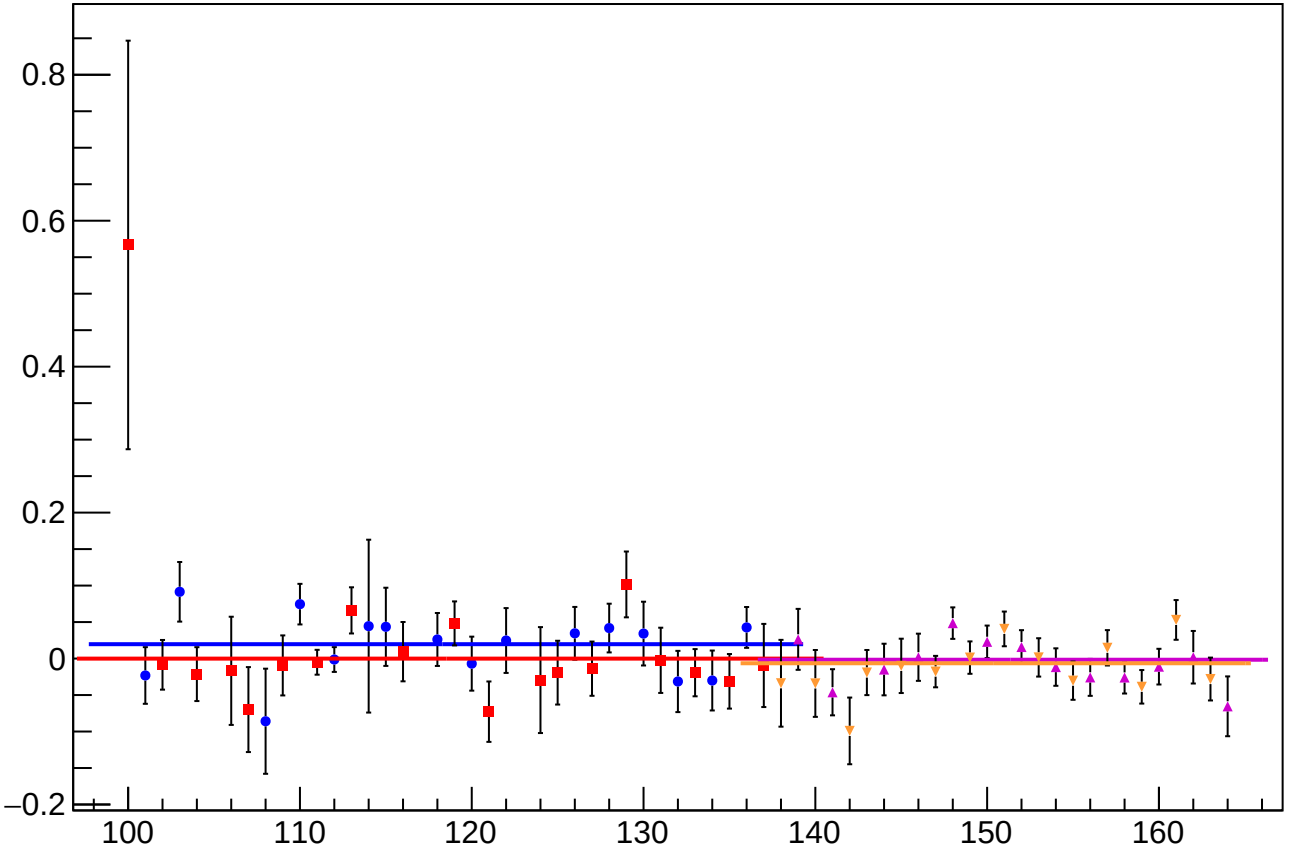
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.950+/-0.004 χ^2/NDF:2388459.2/28

Out: 22.823+/-0.004 χ^2/NDF:2426233.1/32

All: 22.886+/-0.003 χ^2/NDF: 4815193.4/61

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: -0.006+/-0.007 χ^2/NDF:18.2/13

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: -0.002+/-0.008 χ^2/NDF:14.7/12

Left: -0.004+/-0.005 χ^2/NDF: 33.0/26

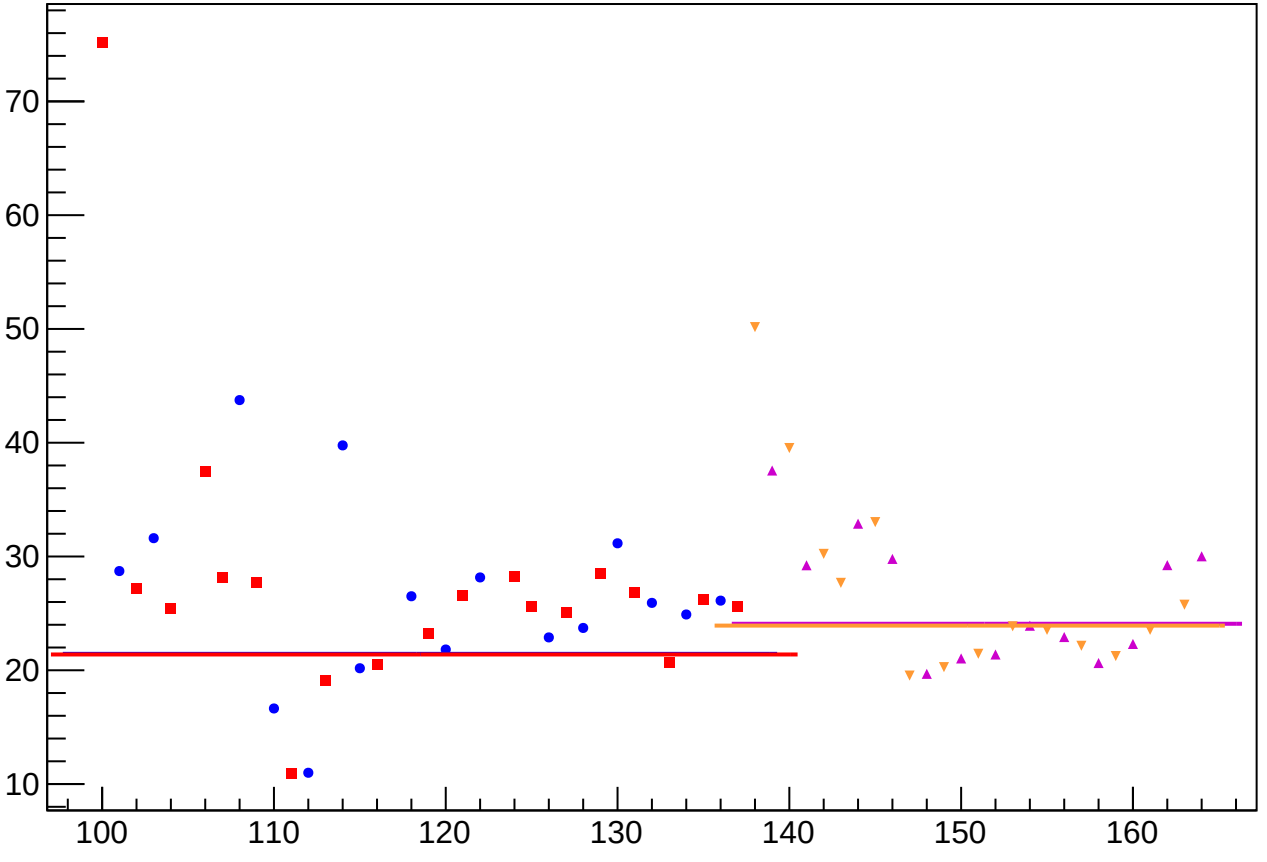
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.008+/-0.006 χ^2/NDF:35.1/28

Out: -0.004+/-0.006 χ^2/NDF:41.3/32

All: 0.002+/-0.004 χ^2/NDF: 78.4/61

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: 23.927+/-0.005 χ^2/NDF:1013548.9/13

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.087+/-0.005 χ^2/NDF:741942.9/12

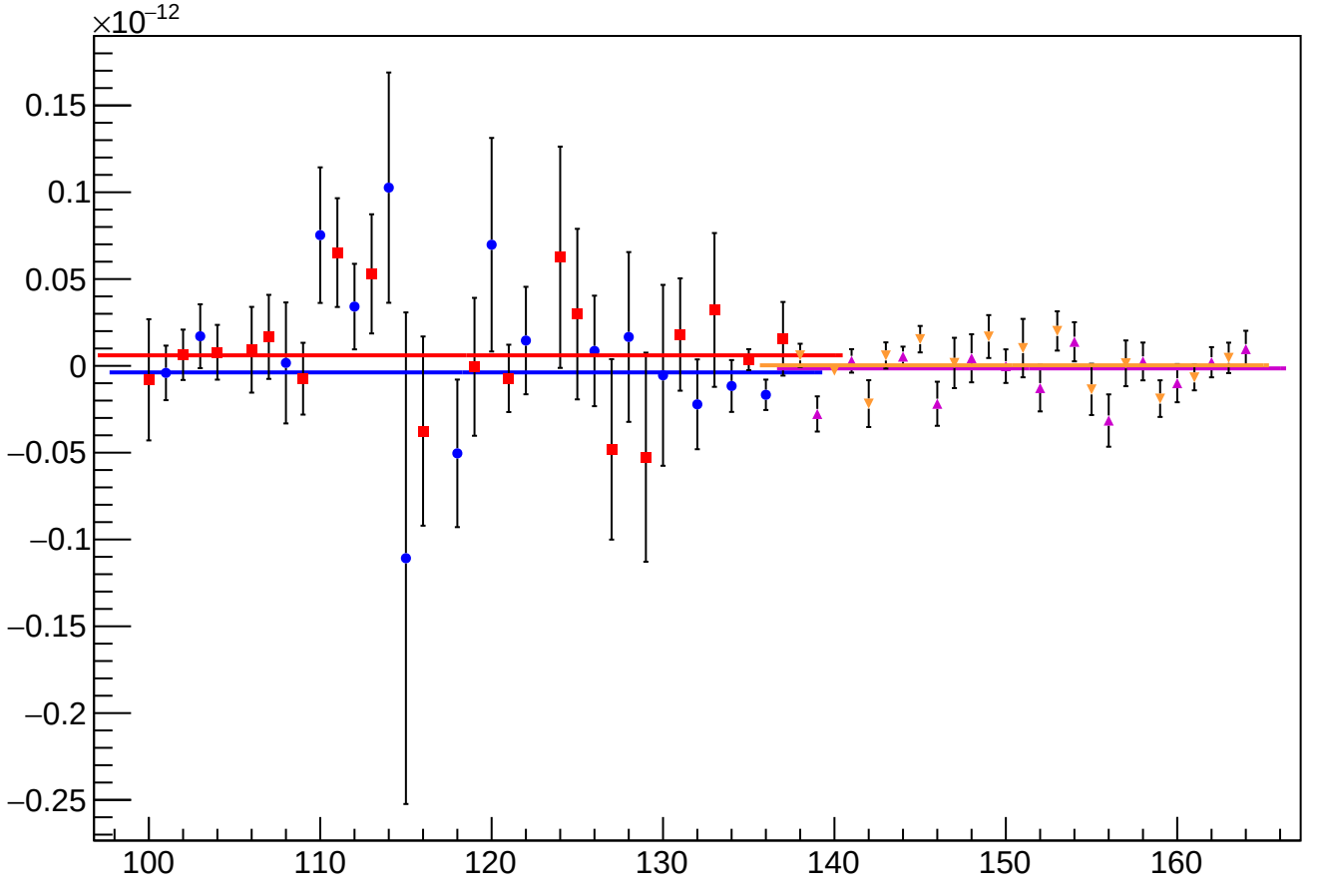
Left: 24.006+/-0.004 χ^2/NDF: 1755950.1/26

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.950+/-0.004 χ^2/NDF:2388459.2/28

Out: 22.823+/-0.004 χ^2/NDF:2426233.1/32

All: 22.886+/-0.003 χ^2/NDF: 4815193.4/61



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.8/12

Left: -0.000+/-0.000 χ^2/NDF: 39.7/26

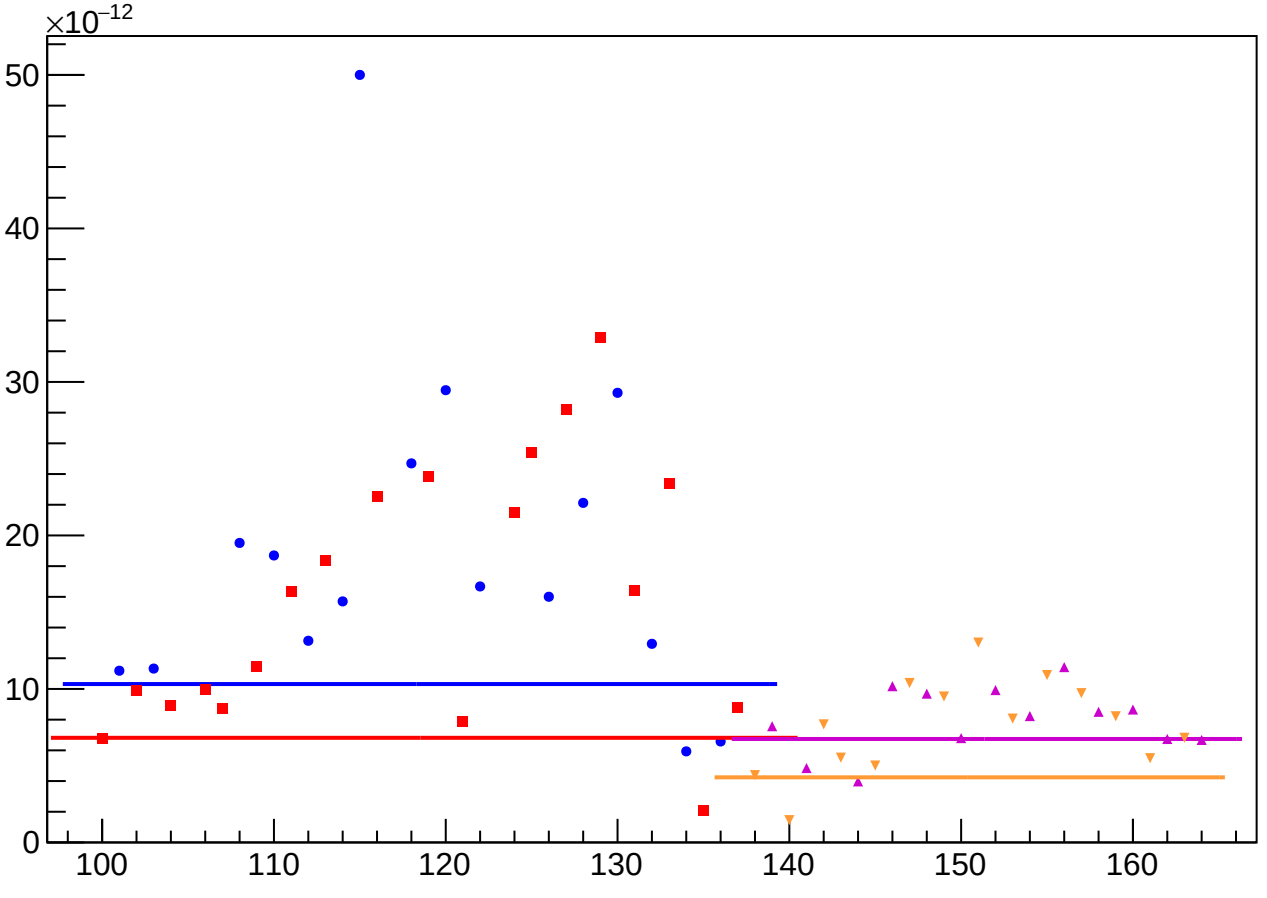
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:37.2/28

Out: 0.000+/-0.000 χ^2/NDF:32.3/32

All: 0.000+/-0.000 χ^2/NDF: 70.6/61

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4853882.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4021812.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1329093.9/12

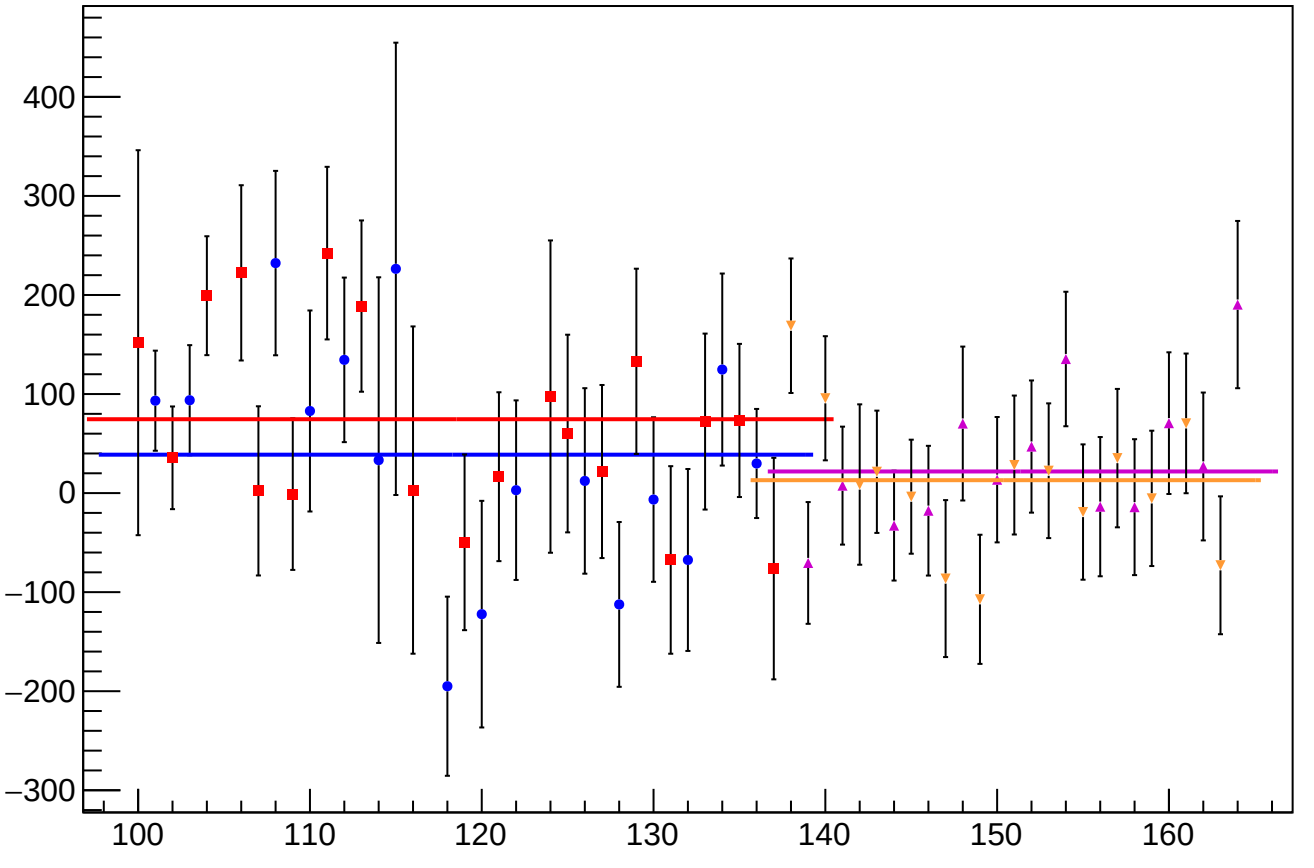
Left: 0.000+/-0.000 χ^2/NDF: 7318864.7/26

Right: 0.000+/-0.000 χ^2/NDF: 6473556.7/34

In: 0.000+/-0.000 χ^2/NDF:3966720.7/28

Out: 0.000+/-0.000 χ^2/NDF:9459806.4/32

All: 0.000+/-0.000 χ^2/NDF: 15095109.4/61



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 13.030+/-18.127 χ^2/NDF:14.7/13

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 21.832+/-18.596 χ^2/NDF:12.0/12

Left: 17.319+/-12.980 χ^2/NDF: 26.8/26

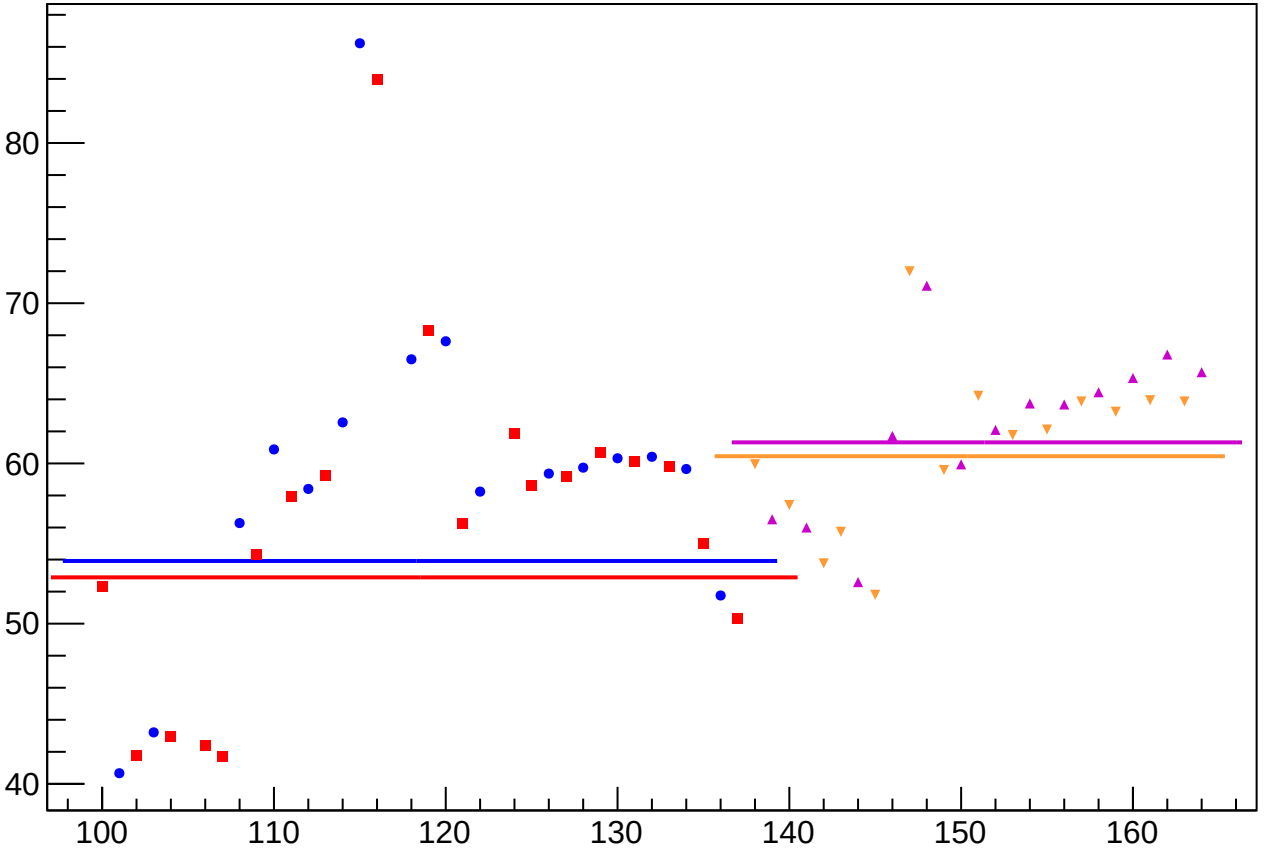
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 29.519+/-13.747 χ^2/NDF:35.7/28

Out: 41.092+/-13.371 χ^2/NDF:42.5/32

All: 35.466+/-9.585 χ^2/NDF: 78.5/61

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 60.450+/-0.013 χ^2/NDF:143638.1/13

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 61.315+/-0.013 χ^2/NDF:141970.8/12

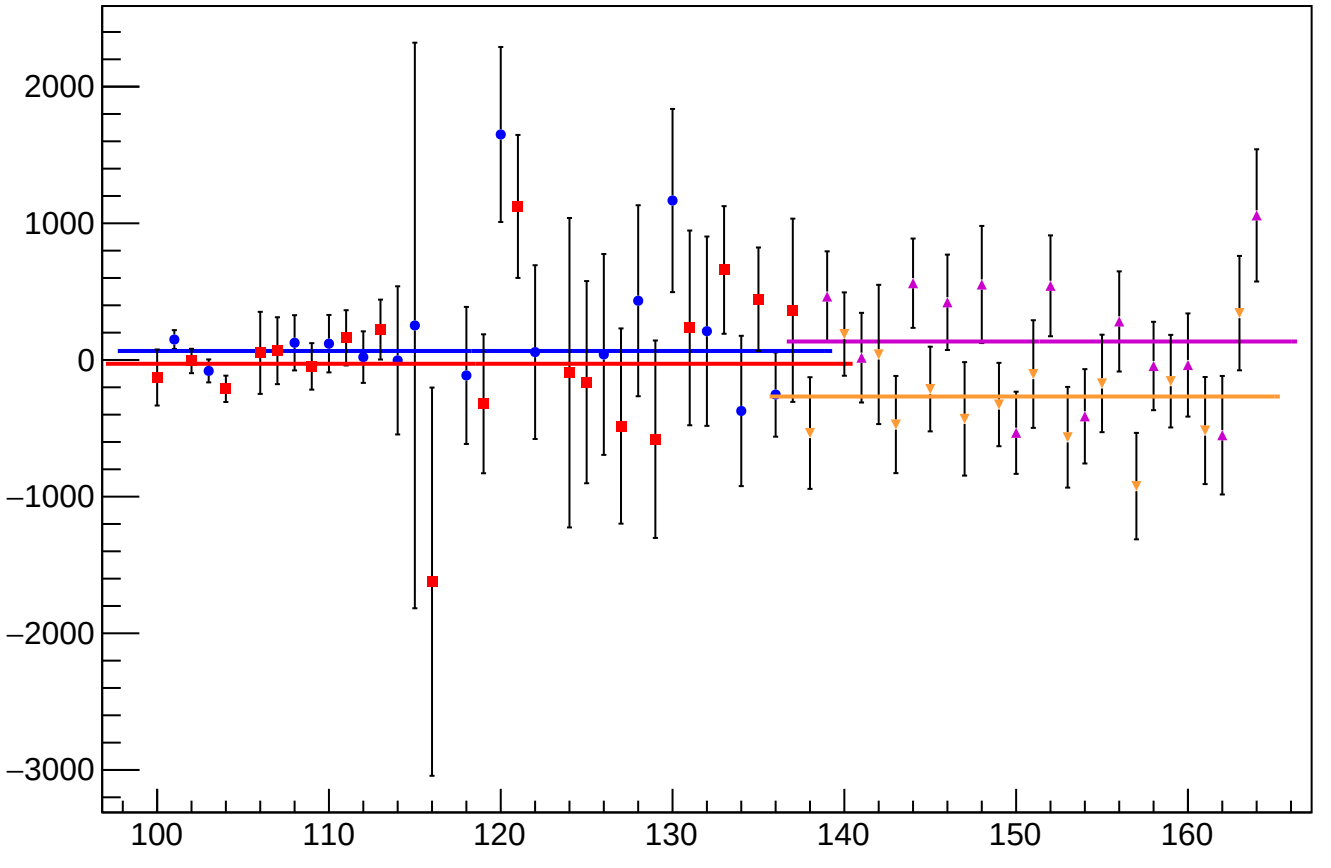
Left: 60.871+/-0.009 χ^2/NDF: 287827.9/26

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 57.958+/-0.010 χ^2/NDF:678960.3/28

Out: 57.002+/-0.009 χ^2/NDF:727501.9/32

All: 57.467+/-0.007 χ^2/NDF: 1411422.9/61



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -267.362+/-97.742 χ^2/NDF:10.0/13

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 135.216+/-99.079 χ^2/NDF:19.9/12

Left: -68.807+/-69.582 χ^2/NDF: 38.3/26

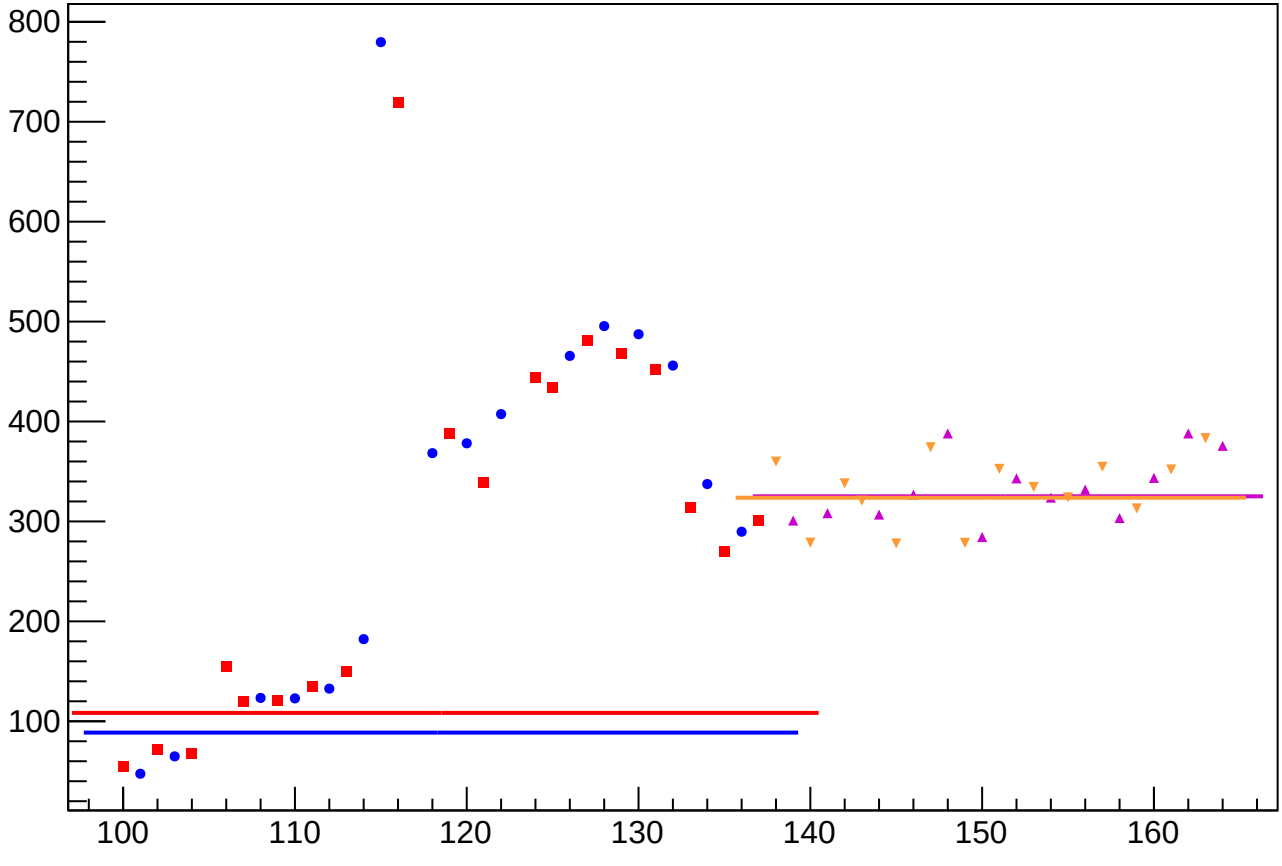
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 78.364+/-42.079 χ^2/NDF:36.0/28

Out: -77.986+/-44.719 χ^2/NDF:32.7/32

All: 4.941+/-30.645 χ^2/NDF: 75.2/61

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: 323.721+/-0.069 χ^2/NDF:255820.6/13

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 325.143+/-0.070 χ^2/NDF:185252.7/12

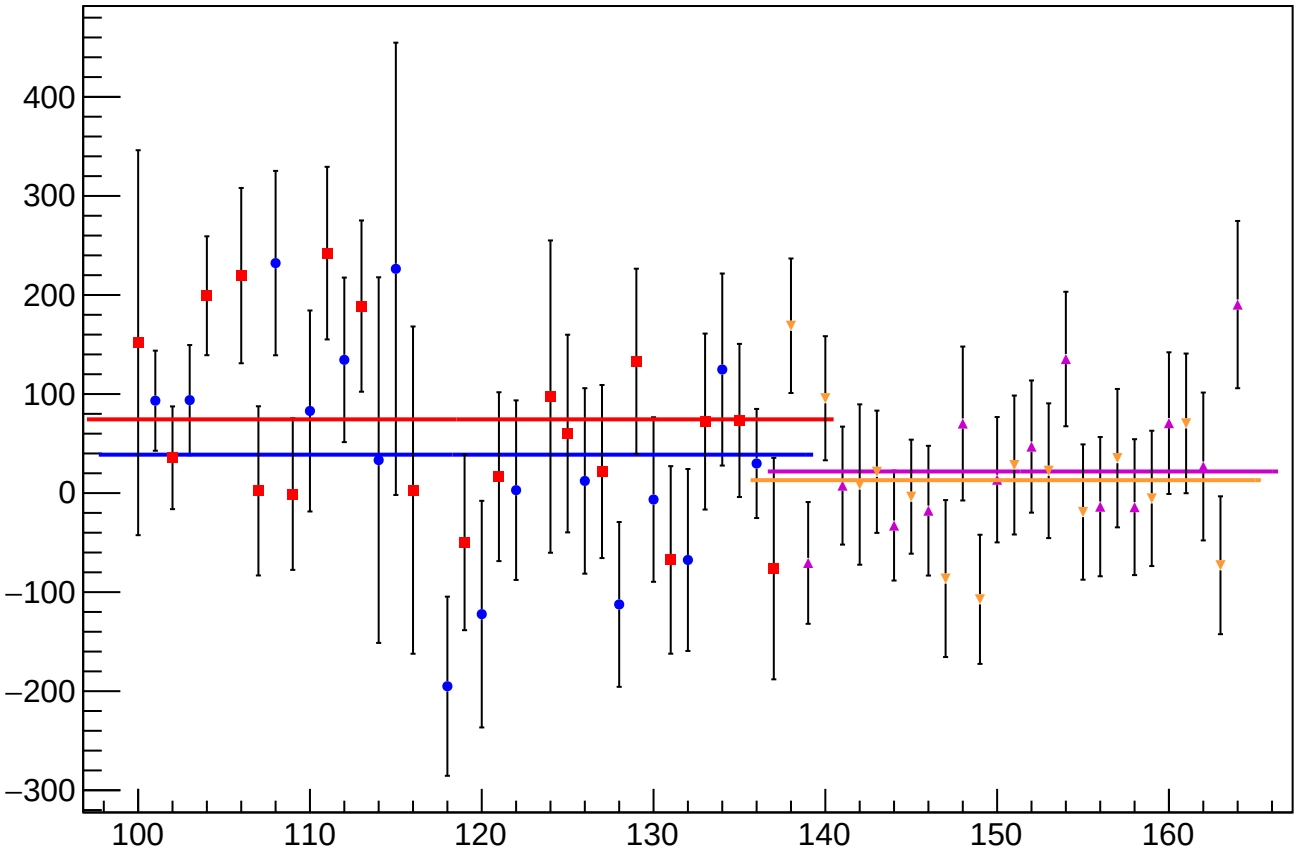
Left: 324.423+/-0.049 χ^2/NDF: 441282.1/26

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 131.312+/-0.030 χ^2/NDF:16172247.1/28

Out: 153.461+/-0.032 χ^2/NDF:13294077.4/32

All: 141.713+/-0.022 χ^2/NDF: 29726535.1/61



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 13.031+/-18.127 χ^2/NDF:14.7/13

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 21.831+/-18.596 χ^2/NDF:12.0/12

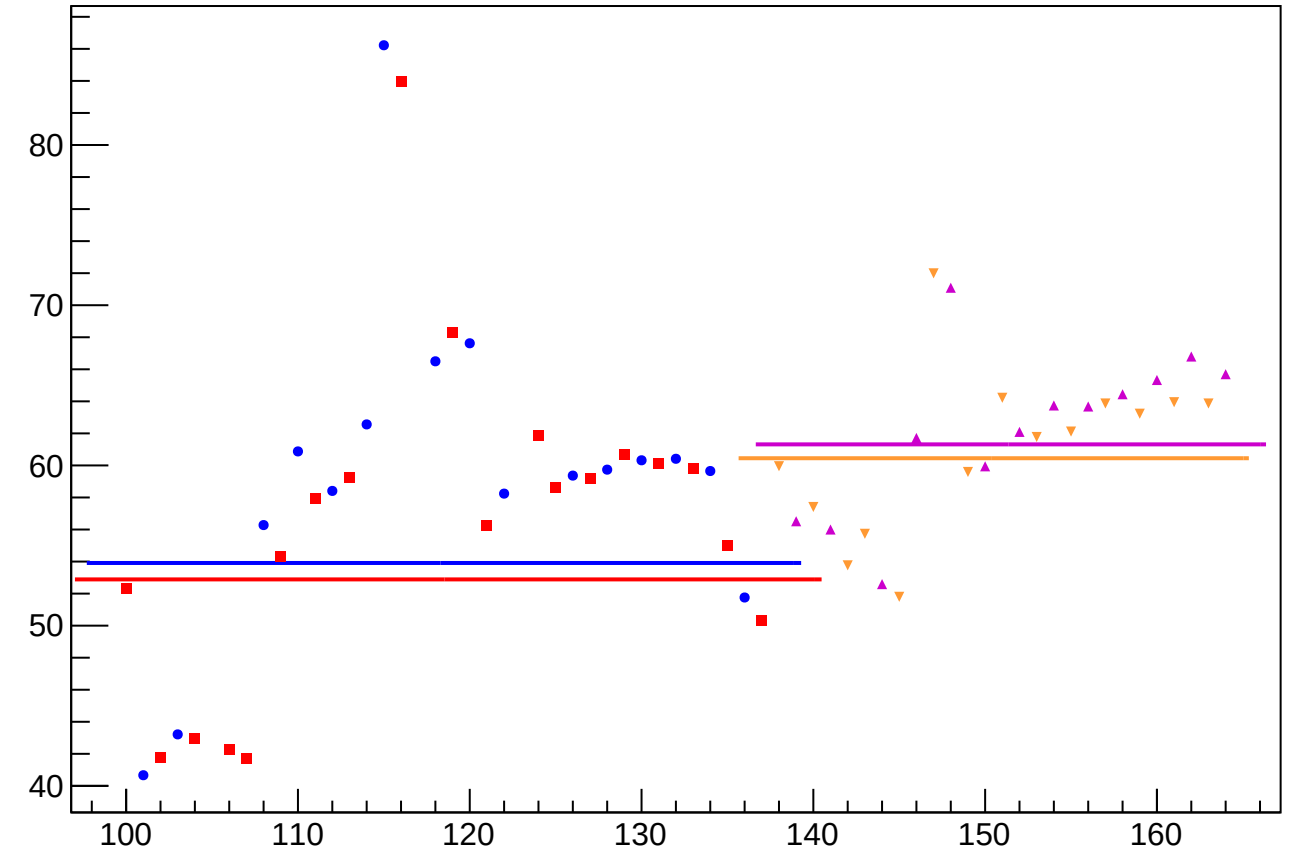
Left: 17.319+/-12.980 χ^2/NDF: 26.8/26

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 29.524+/-13.747 χ^2/NDF:35.7/28

Out: 41.028+/-13.371 χ^2/NDF:42.3/32

All: 35.435+/-9.585 χ^2/NDF: 78.3/61



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.450+/-0.013 χ^2/NDF:143638.1/13

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.315+/-0.013 χ^2/NDF:141970.8/12

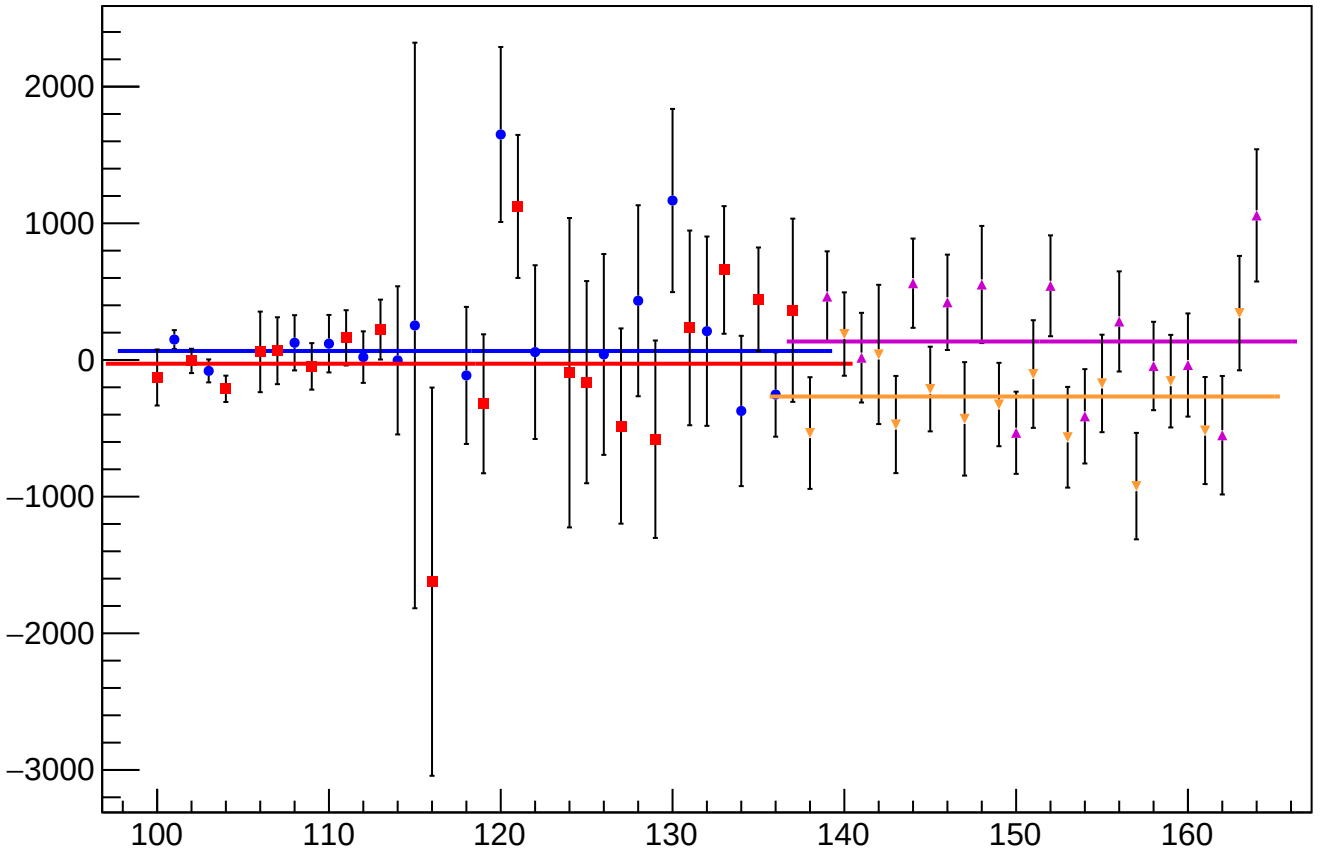
Left: 60.871+/-0.009 χ^2/NDF: 287827.9/26

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 57.958+/-0.010 χ^2/NDF:678959.4/28

Out: 57.002+/-0.009 χ^2/NDF:727891.4/32

All: 57.466+/-0.007 χ^2/NDF: 1411819.3/61



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -267.361+/-97.742 χ^2/NDF:10.0/13

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 135.215+/-99.079 χ^2/NDF:19.9/12

Left: -68.808+/-69.582 χ^2/NDF: 38.3/26

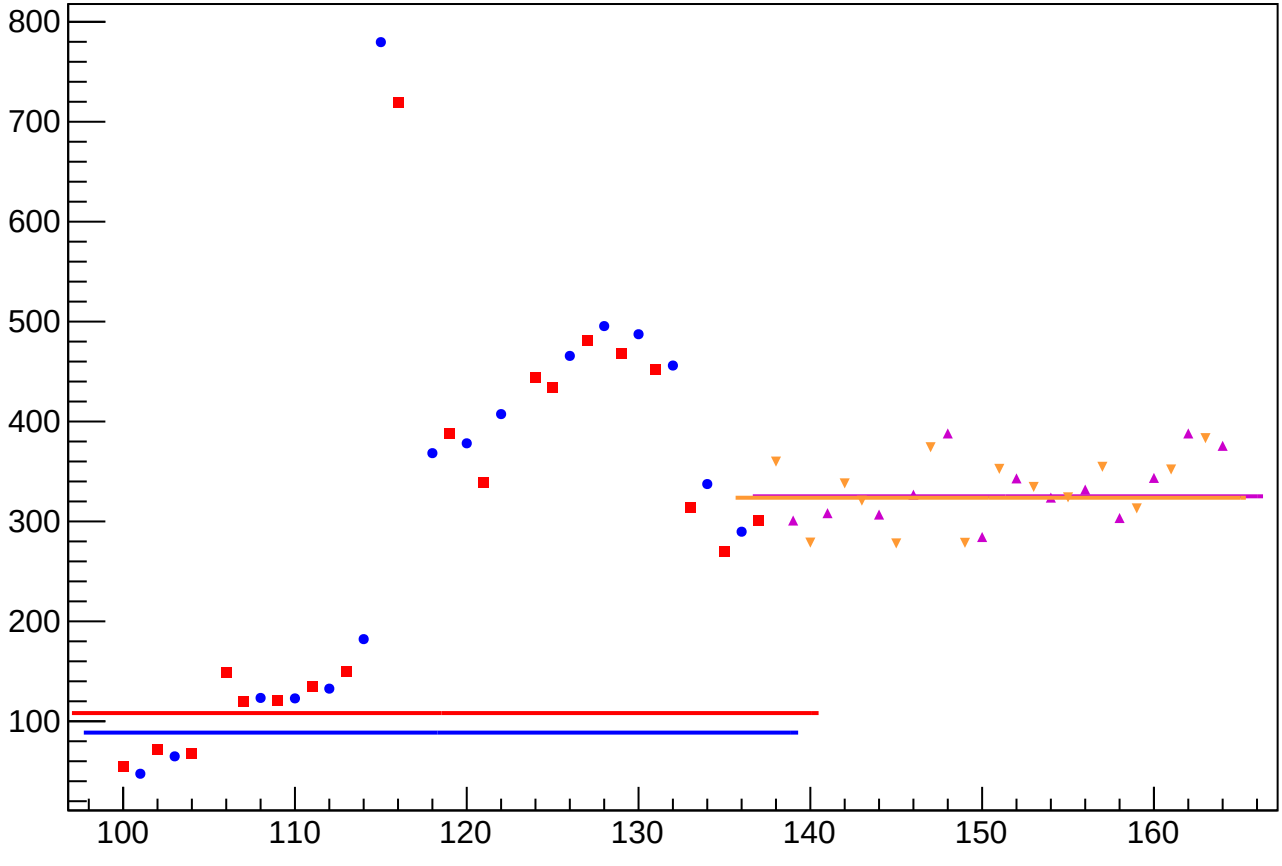
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 78.366+/-42.078 χ^2/NDF:36.0/28

Out: -77.567+/-44.689 χ^2/NDF:32.7/32

All: 5.088+/-30.635 χ^2/NDF: 75.2/61

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 323.721+/-0.069 χ^2/NDF:255819.7/13

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 325.143+/-0.070 χ^2/NDF:185257.1/12

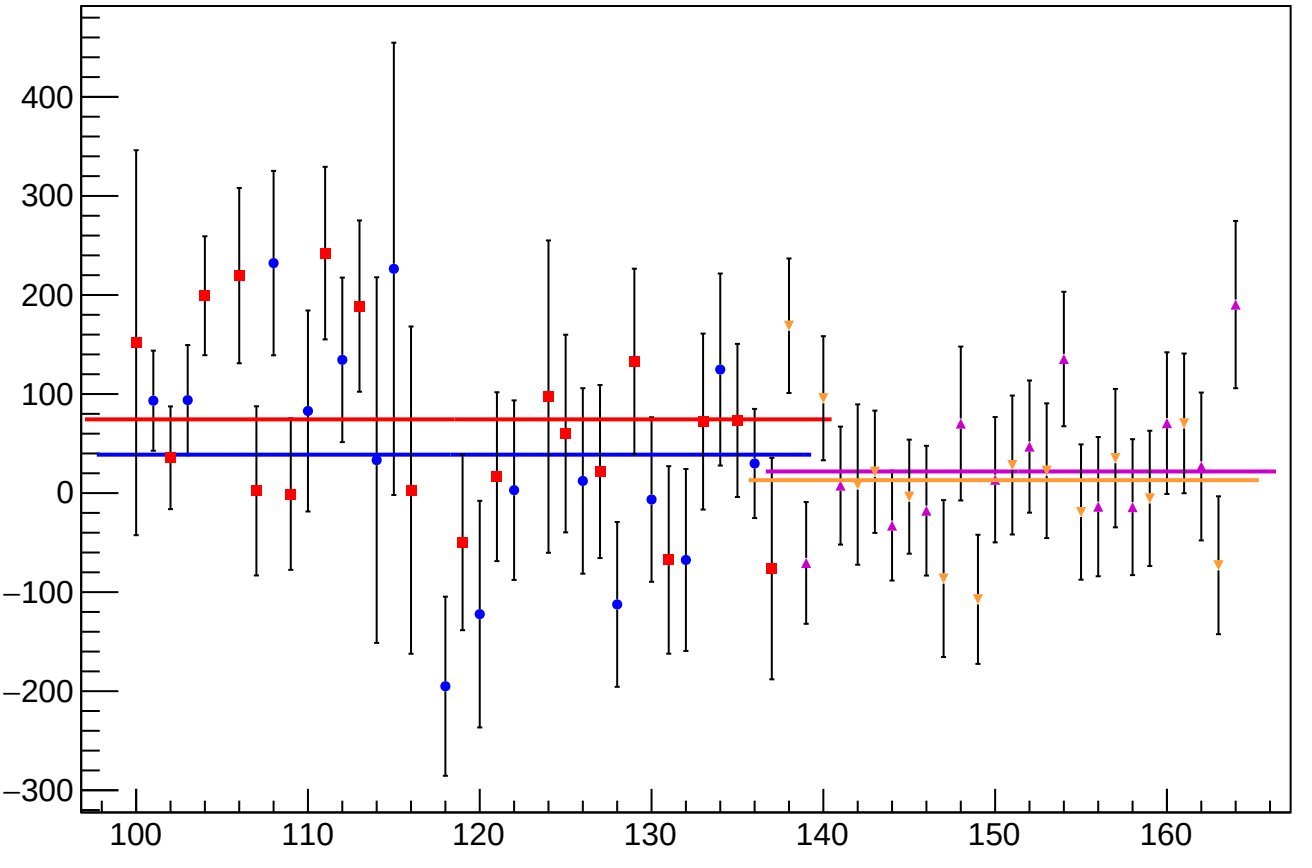
Left: 324.423+/-0.049 χ^2/NDF: 441285.6/26

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 131.309+/-0.030 χ^2/NDF:16172598.1/28

Out: 153.259+/-0.032 χ^2/NDF:13301576.4/32

All: 141.624+/-0.022 χ^2/NDF: 29729934.8/61



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 13.031+/-18.127 χ^2/NDF:14.7/13

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 21.831+/-18.596 χ^2/NDF:12.0/12

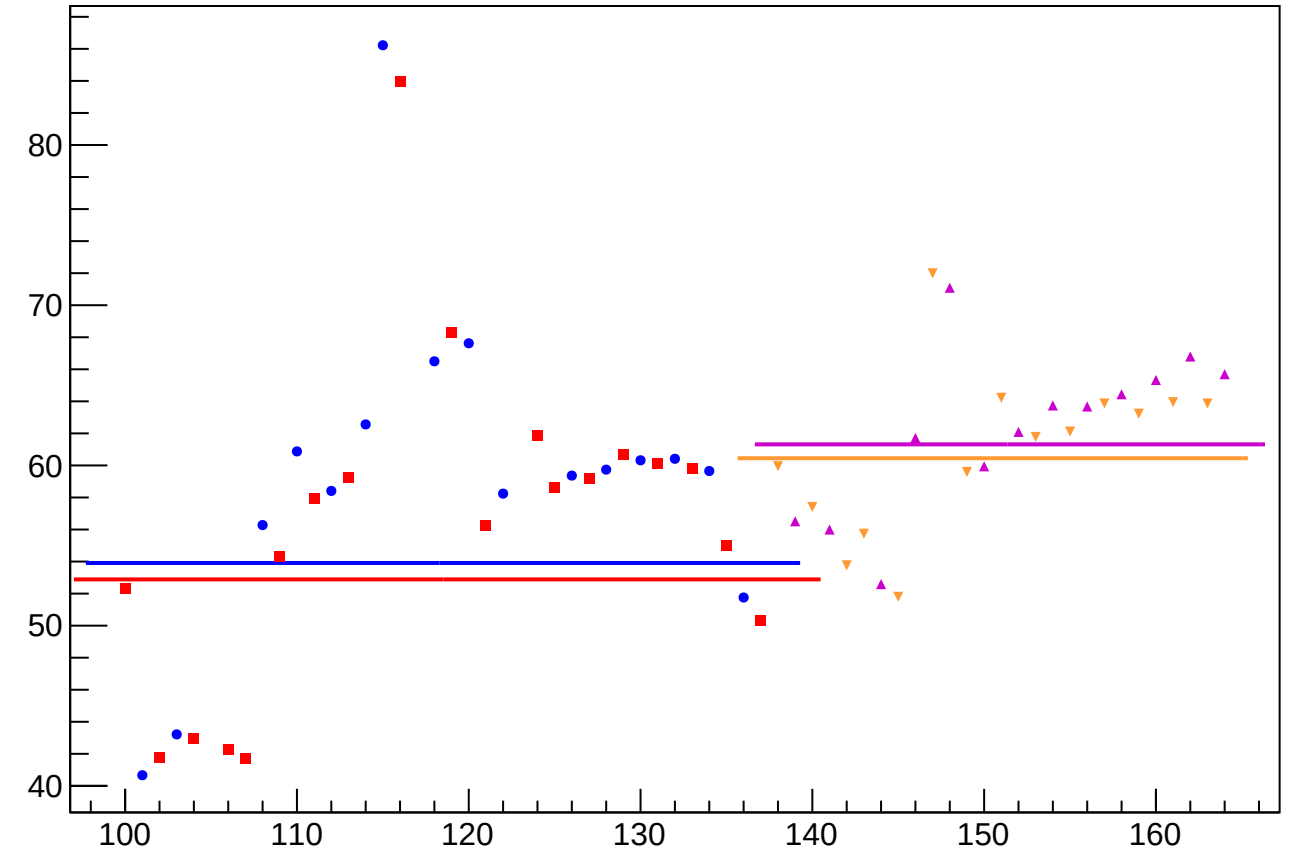
Left: 17.319+/-12.980 χ^2/NDF: 26.8/26

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 29.524+/-13.747 χ^2/NDF:35.7/28

Out: 41.028+/-13.371 χ^2/NDF:42.3/32

All: 35.435+/-9.585 χ^2/NDF: 78.3/61



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.450+/-0.013 χ^2/NDF:143638.1/13

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.315+/-0.013 χ^2/NDF:141970.8/12

Left: 60.871+/-0.009 χ^2/NDF: 287827.9/26

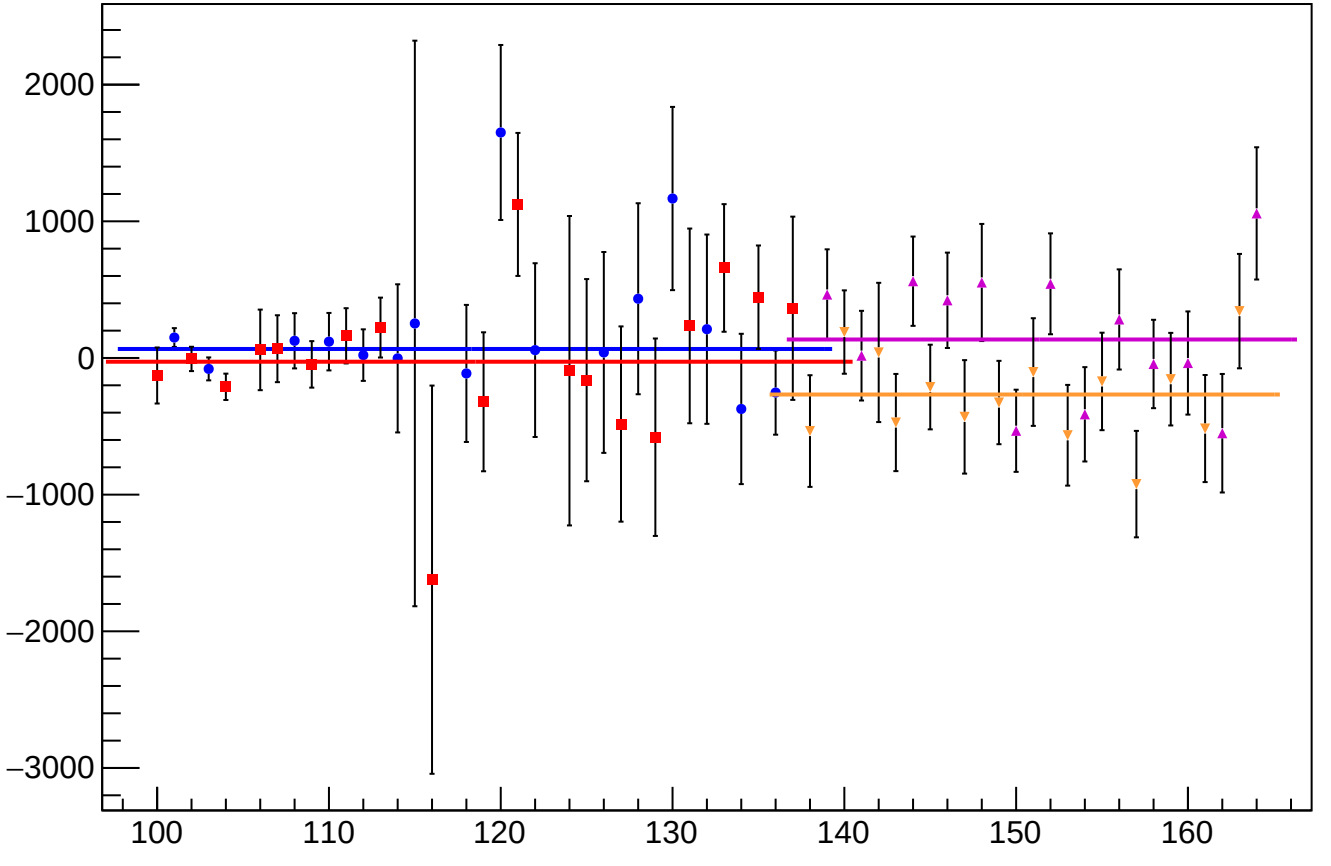
Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 57.958+/-0.010 χ^2/NDF:678959.4/28

Out: 57.002+/-0.009 χ^2/NDF:727891.4/32

All: 57.466+/-0.007 χ^2/NDF: 1411819.3/61

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -267.361+/-97.742 χ^2/NDF:10.0/13

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 135.215+/-99.079 χ^2/NDF:19.9/12

Left: -68.808+/-69.582 χ^2/NDF: 38.3/26

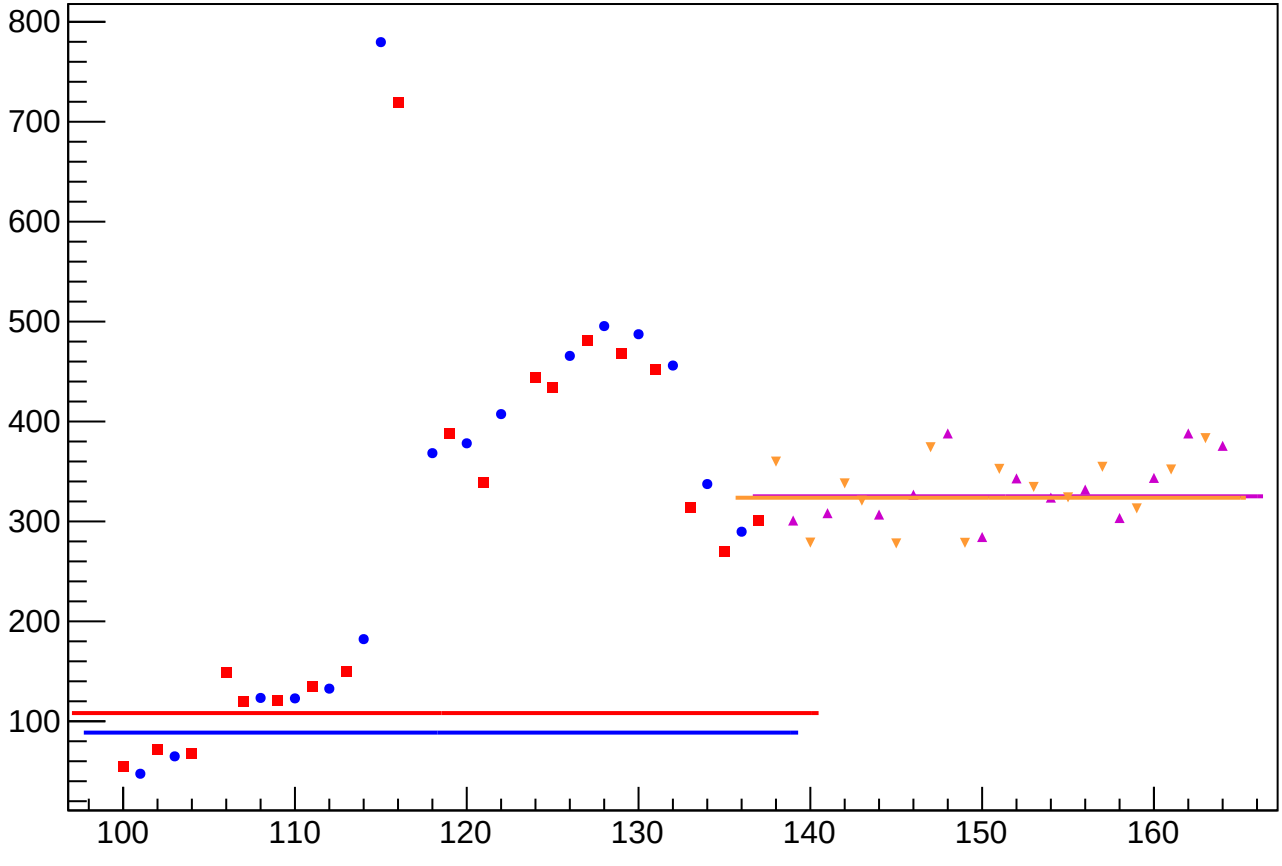
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 78.366+/-42.078 χ^2/NDF:36.0/28

Out: -77.567+/-44.689 χ^2/NDF:32.7/32

All: 5.088+/-30.635 χ^2/NDF: 75.2/61

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: 323.721+/-0.069 χ^2/NDF:255819.7/13

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 325.143+/-0.070 χ^2/NDF:185257.1/12

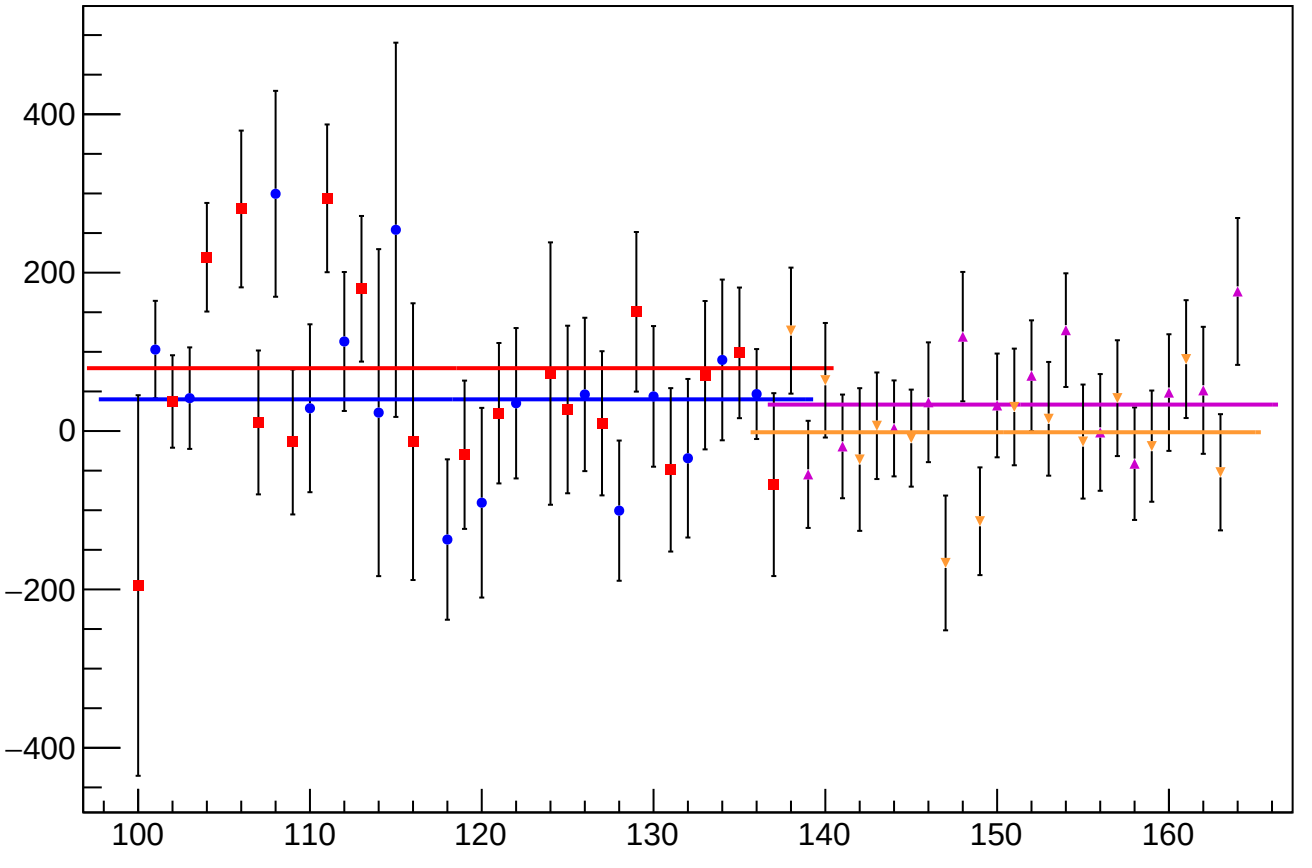
Left: 324.423+/-0.049 χ^2/NDF: 441285.6/26

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 131.309+/-0.030 χ^2/NDF:16172598.1/28

Out: 153.259+/-0.032 χ^2/NDF:13301576.4/32

All: 141.624+/-0.022 χ^2/NDF: 29729934.8/61



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -1.524+/-19.458 χ^2/NDF:12.8/13

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 33.404+/-19.925 χ^2/NDF:9.5/12

Left: 15.527+/-13.921 χ^2/NDF: 23.8/26

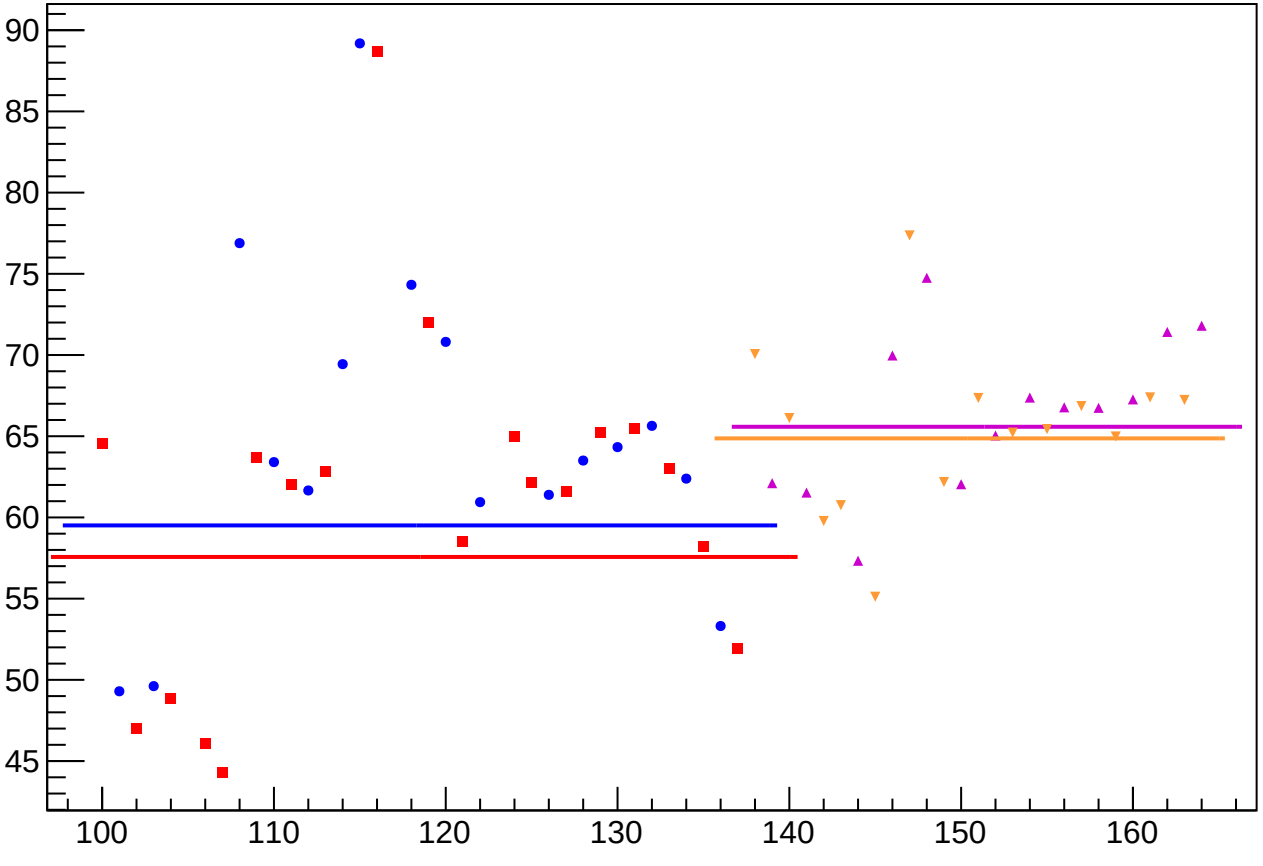
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 36.314+/-14.921 χ^2/NDF:23.7/28

Out: 34.761+/-14.450 χ^2/NDF:45.4/32

All: 35.513+/-10.380 χ^2/NDF: 69.0/61

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.867+/-0.014 χ^2/NDF:128191.4/13

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 65.581+/-0.014 χ^2/NDF:110868.7/12

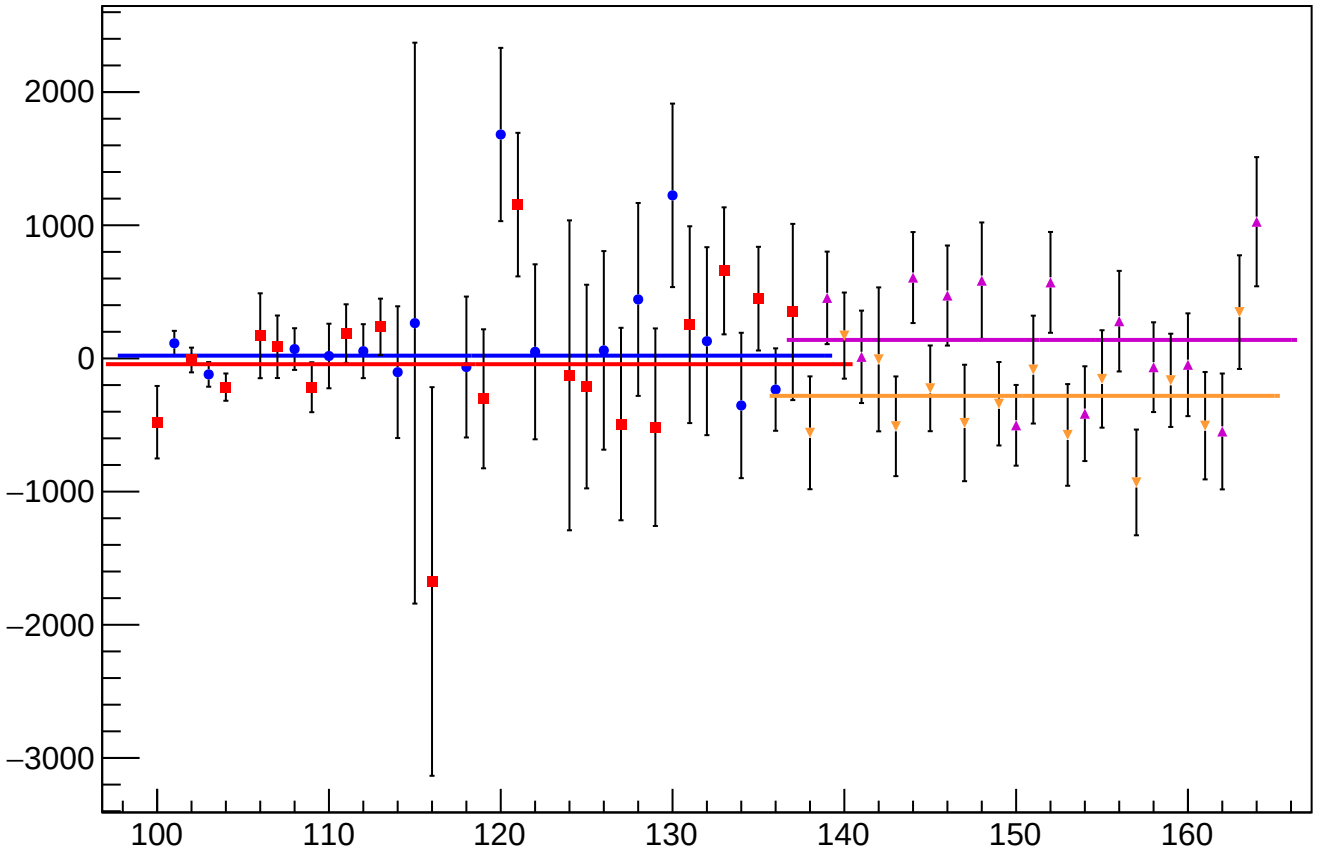
Left: 65.216+/-0.010 χ^2/NDF: 240376.6/26

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 62.914+/-0.011 χ^2/NDF:475659.1/28

Out: 61.593+/-0.010 χ^2/NDF:601823.2/32

All: 62.232+/-0.007 χ^2/NDF: 1085578.3/61



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -280.978+/-101.350 χ^2/NDF:9.5/13

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 138.992+/-102.437 χ^2/NDF:19.4/12

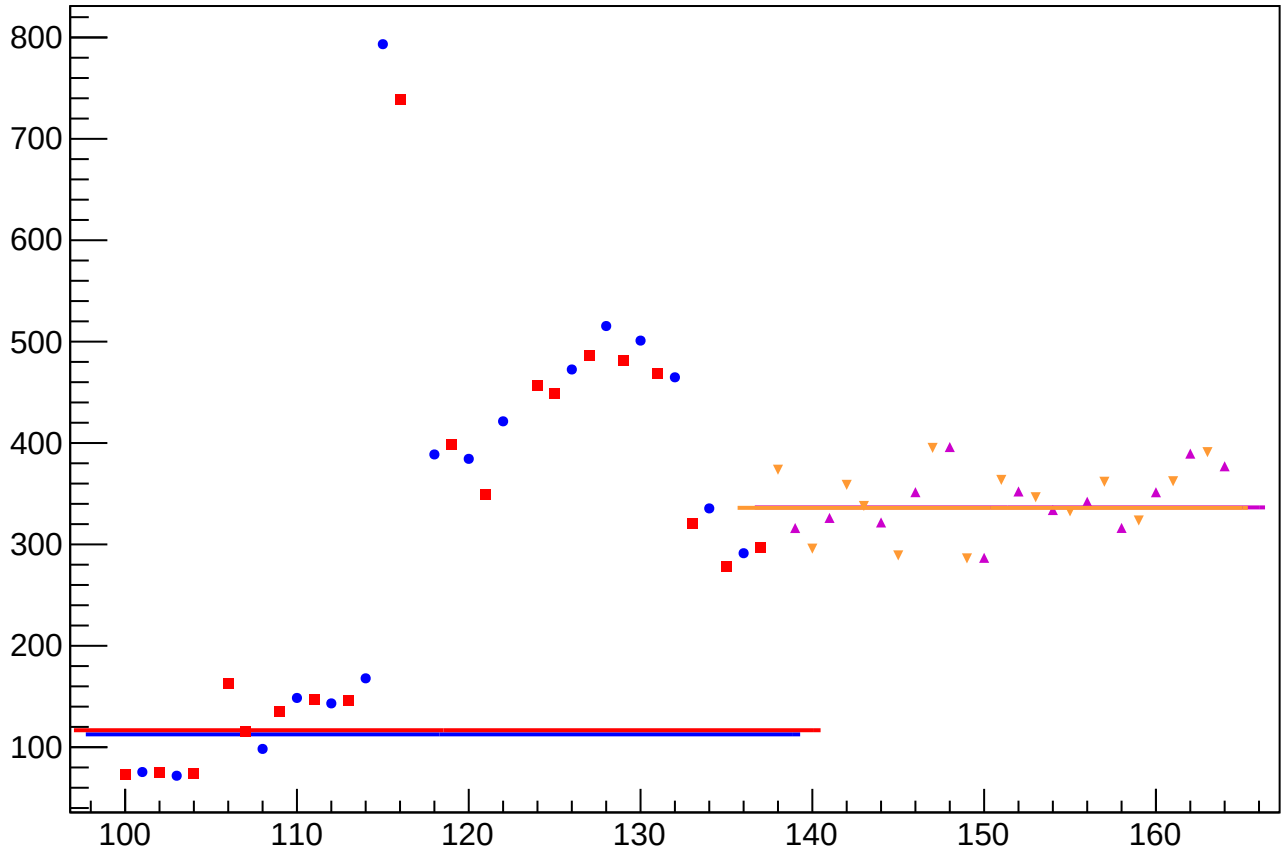
Left: -73.234+/-72.047 χ^2/NDF: 37.5/26

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 46.224+/-47.481 χ^2/NDF:35.1/28

Out: -94.628+/-47.112 χ^2/NDF:35.3/32

All: -24.751+/-33.443 χ^2/NDF: 74.9/61



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 336.078+/-0.072 χ^2/NDF:243464.0/13

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 336.496+/-0.072 χ^2/NDF:164466.9/12

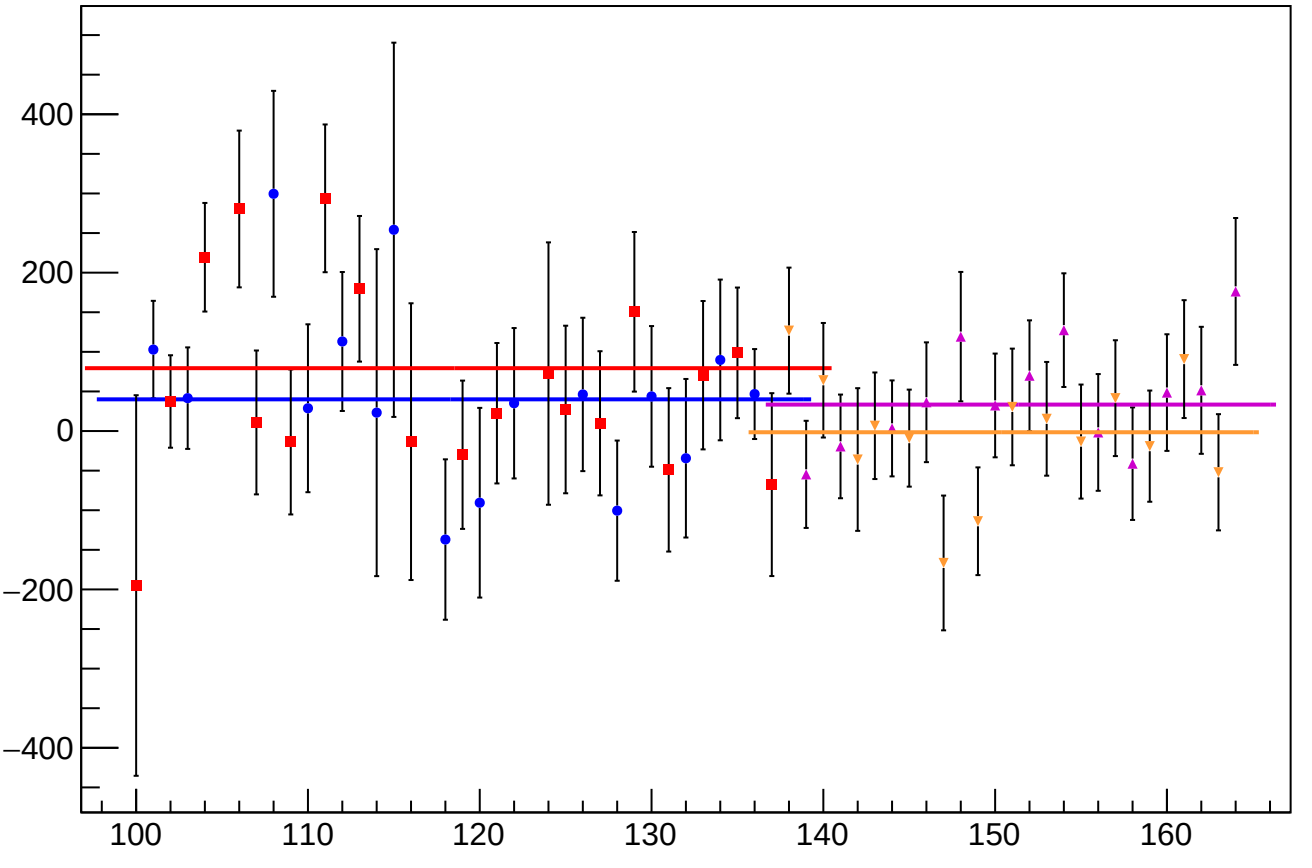
Left: 336.285+/-0.051 χ^2/NDF: 407947.6/26

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 160.757+/-0.034 χ^2/NDF:13261266.2/28

Out: 164.129+/-0.033 χ^2/NDF:12728502.8/32

All: 162.456+/-0.024 χ^2/NDF: 25994852.9/61



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -1.523+/-19.458 χ^2/NDF:12.8/13

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 33.404+/-19.925 χ^2/NDF:9.5/12

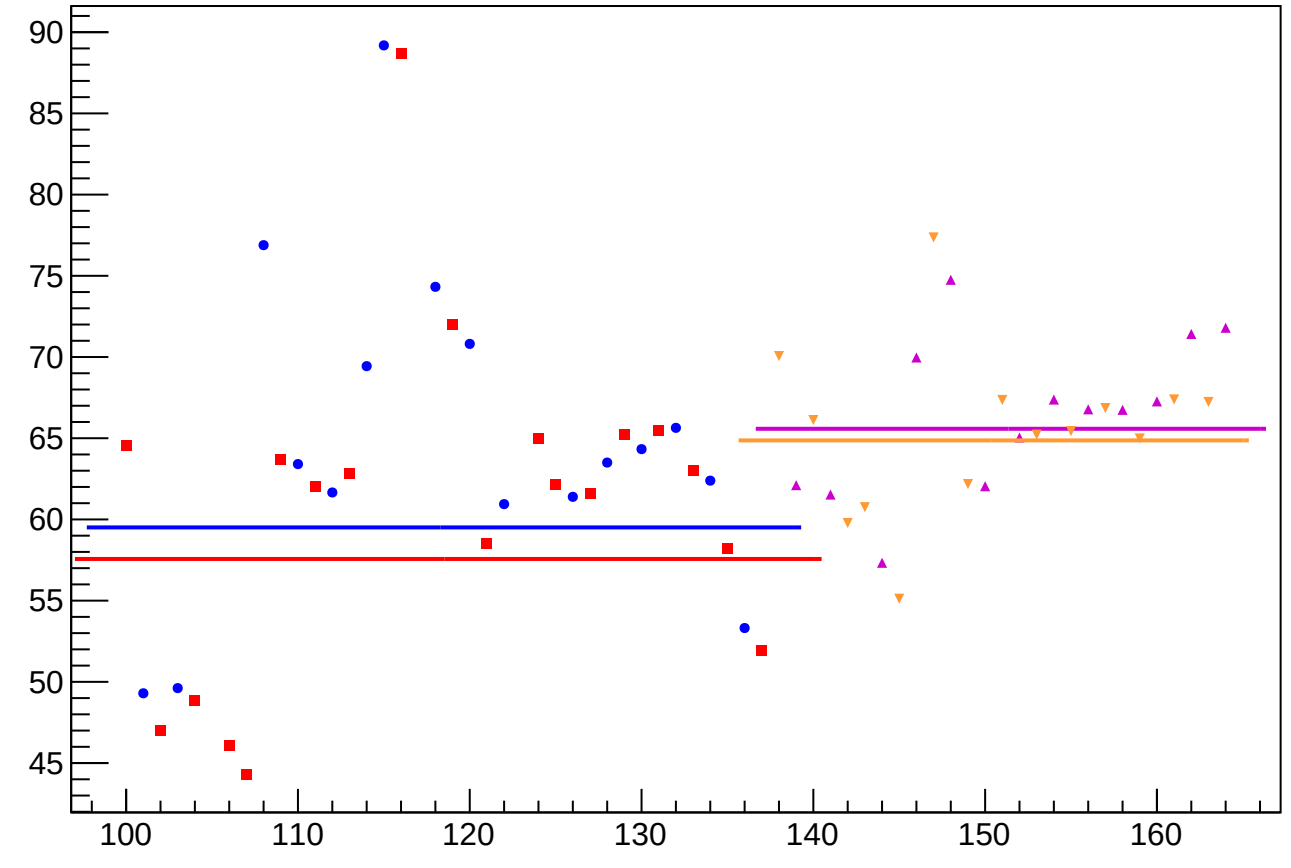
Left: 15.527+/-13.921 χ^2/NDF: 23.8/26

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 36.314+/-14.921 χ^2/NDF:23.7/28

Out: 34.762+/-14.450 χ^2/NDF:45.4/32

All: 35.513+/-10.380 χ^2/NDF: 69.0/61



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.867+/-0.014 χ^2/NDF:128193.5/13

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 65.582+/-0.014 χ^2/NDF:110865.6/12

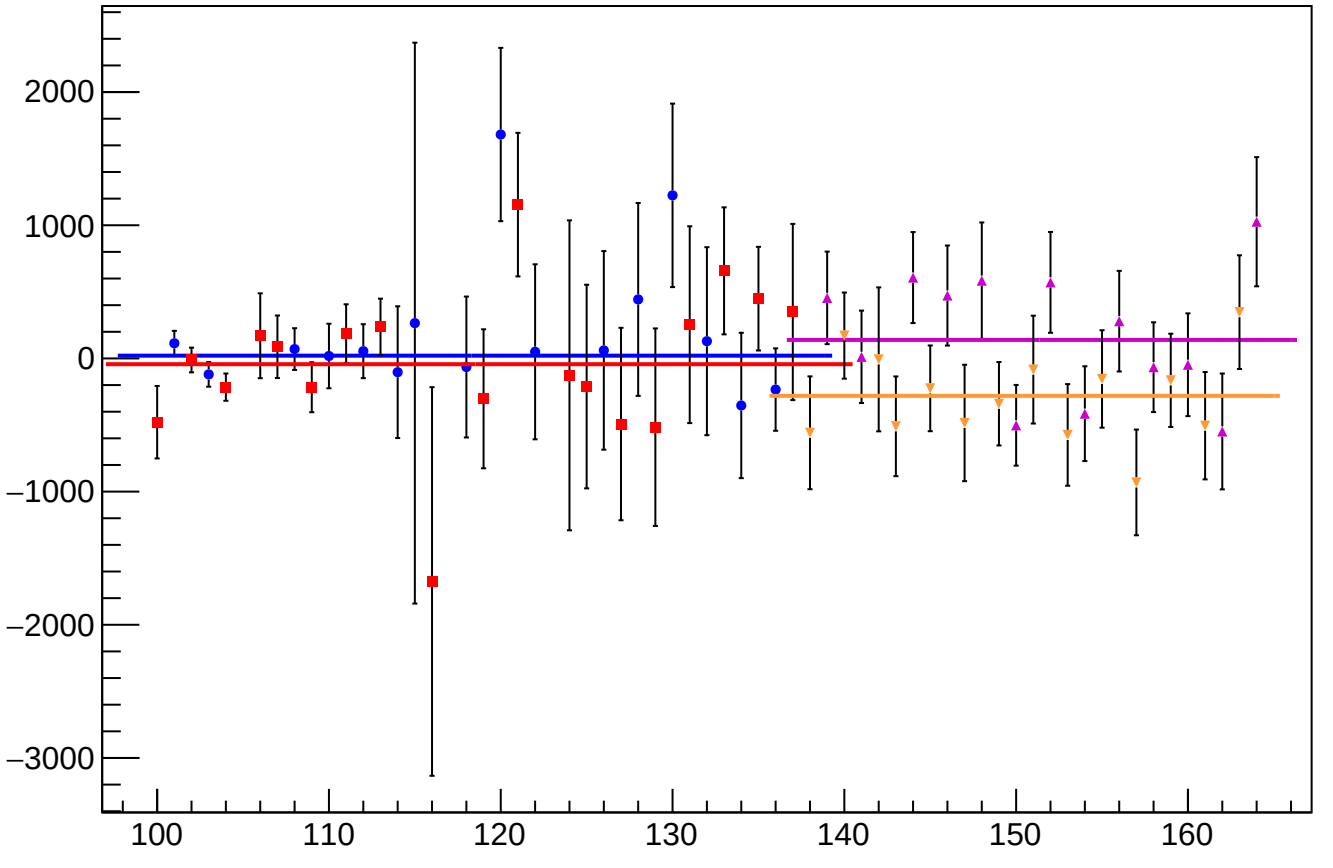
Left: 65.216+/-0.010 χ^2/NDF: 240375.8/26

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 62.914+/-0.011 χ^2/NDF:475660.1/28

Out: 61.593+/-0.010 χ^2/NDF:601827.9/32

All: 62.232+/-0.007 χ^2/NDF: 1085584.2/61



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -280.977+/-101.350 χ^2/NDF:9.5/13

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 138.992+/-102.438 χ^2/NDF:19.4/12

Left: -73.234+/-72.047 χ^2/NDF: 37.5/26

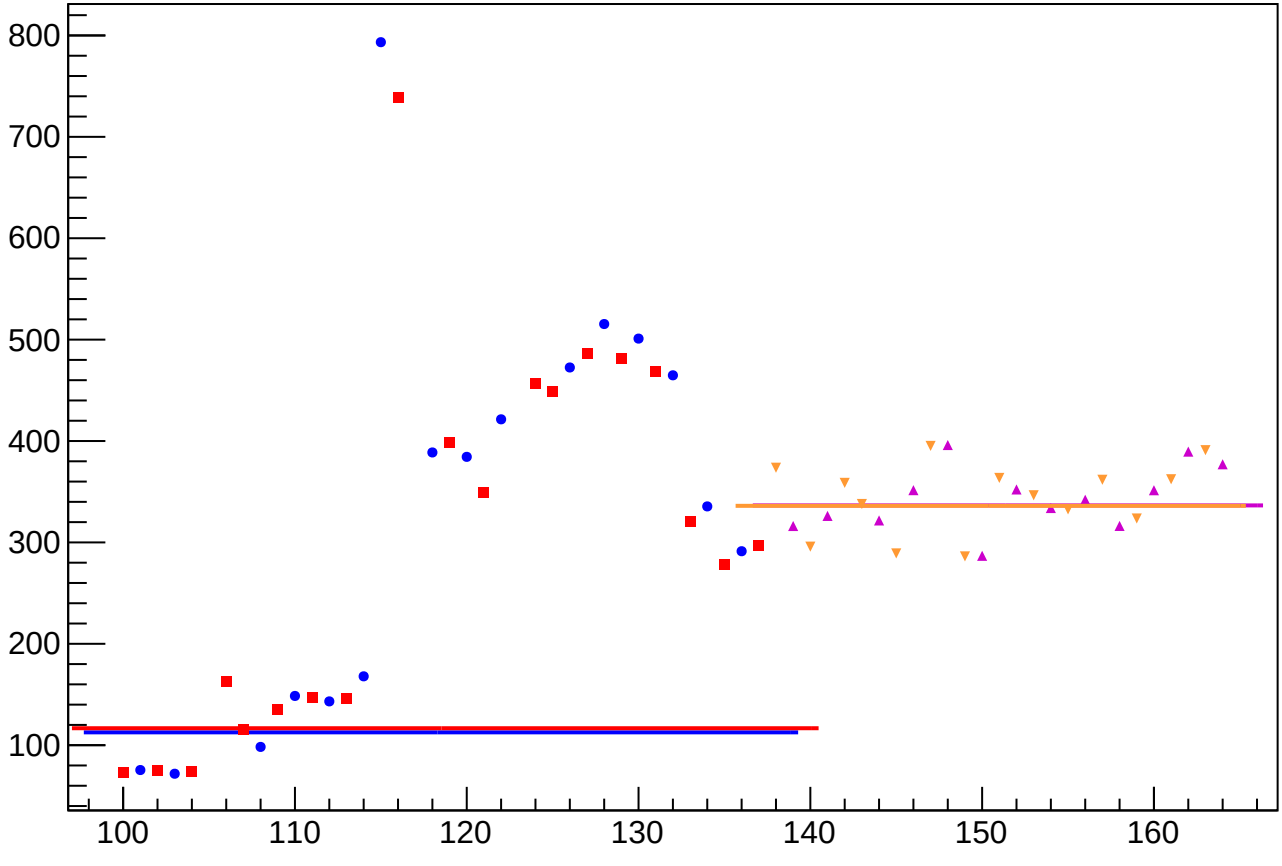
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 46.224+/-47.481 χ^2/NDF:35.1/28

Out: -94.627+/-47.112 χ^2/NDF:35.3/32

All: -24.751+/-33.443 χ^2/NDF: 74.9/61

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: 336.079+/-0.072 χ^2/NDF:243462.6/13

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 336.497+/-0.072 χ^2/NDF:164462.8/12

Left: 336.286+/-0.051 χ^2/NDF: 407942.2/26

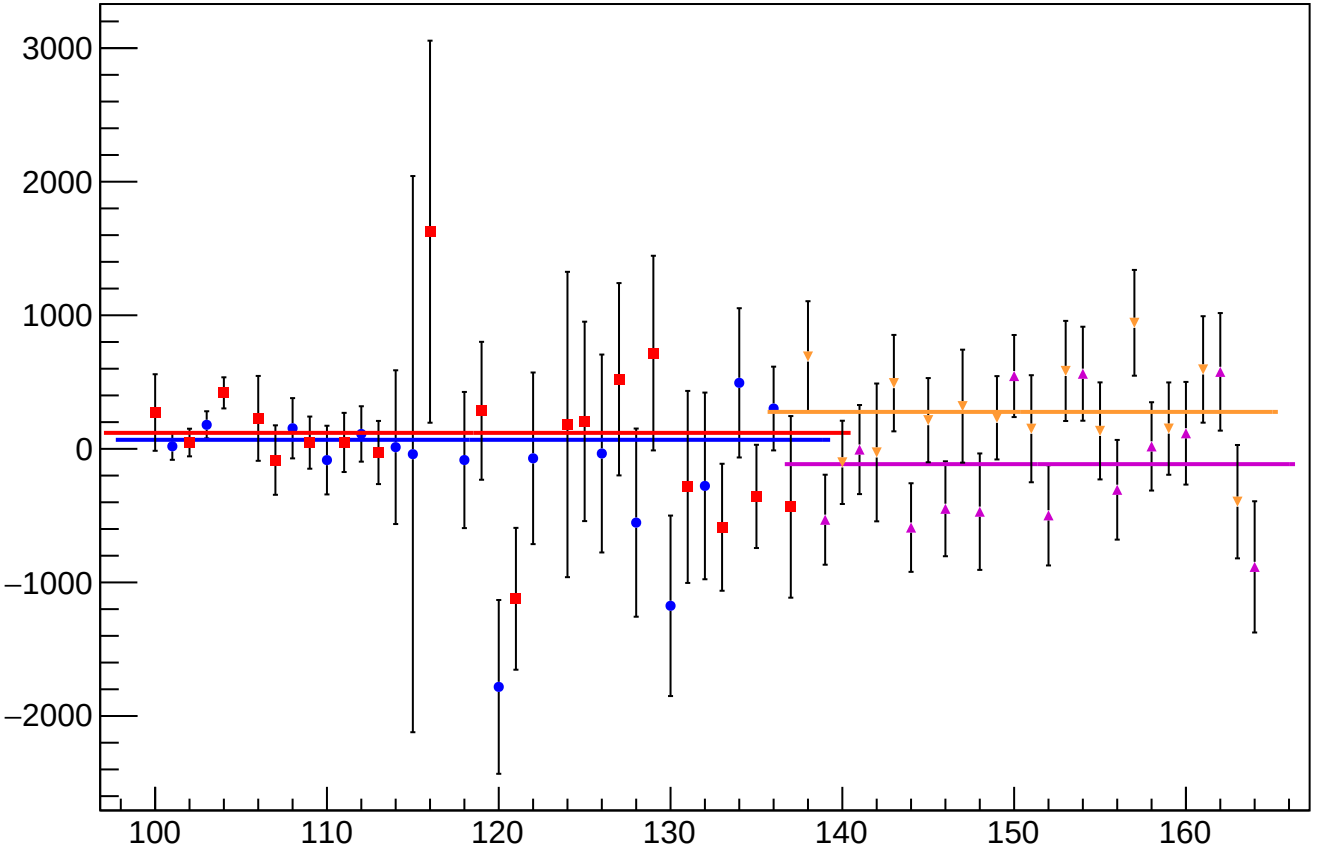
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 160.756+/-0.034 χ^2/NDF:13261304.0/28

Out: 164.128+/-0.033 χ^2/NDF:12728560.3/32

All: 162.456+/-0.024 χ^2/NDF: 25994947.8/61

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 276.649+/-99.495 χ^2/NDF:10.3/13

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -114.483+/-100.887 χ^2/NDF:20.3/12

Left: 83.799+/-70.841 χ^2/NDF: 38.2/26

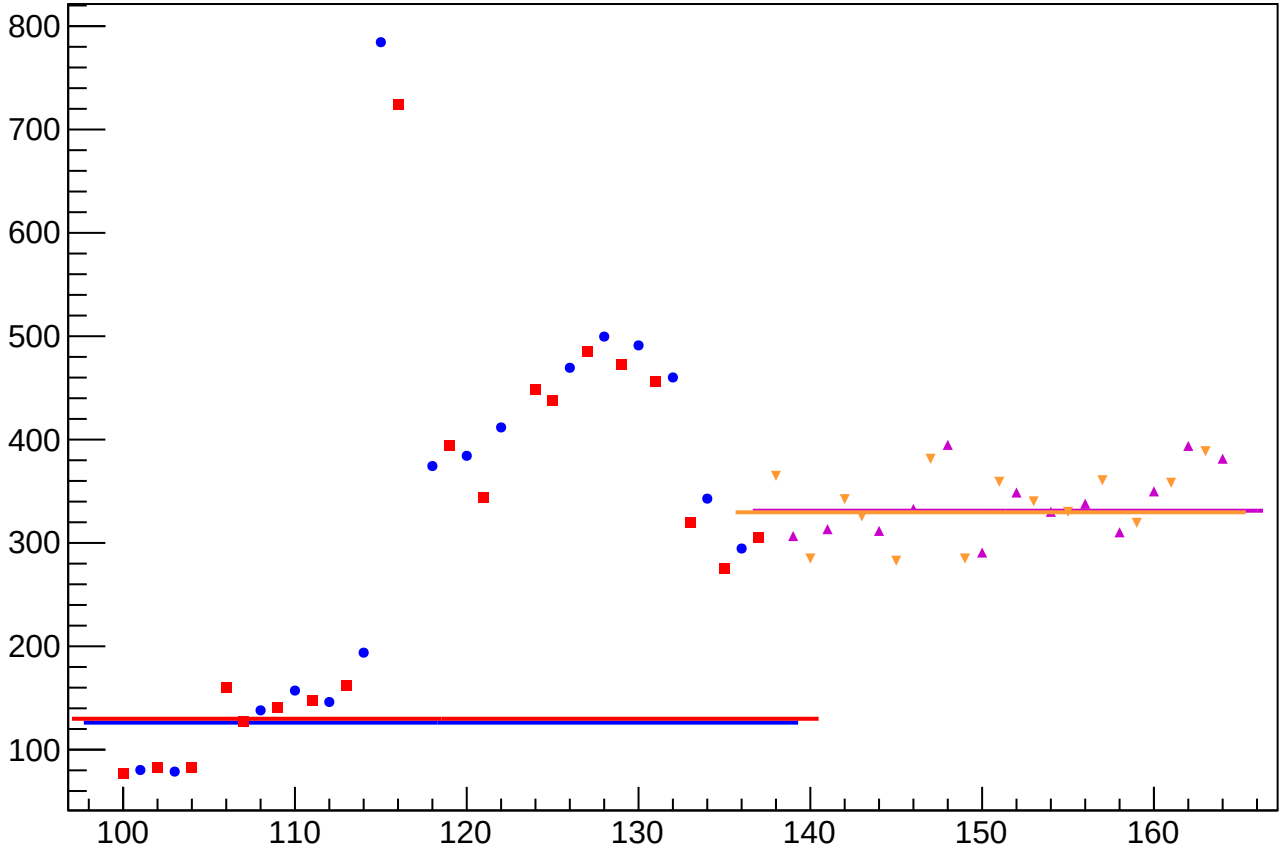
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 21.014+/-51.039 χ^2/NDF:38.5/28

Out: 159.398+/-50.070 χ^2/NDF:33.3/32

All: 91.532+/-35.742 χ^2/NDF: 75.5/61

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 329.676+/-0.070 χ^2/NDF:247777.9/13

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 331.197+/-0.071 χ^2/NDF:180065.3/12

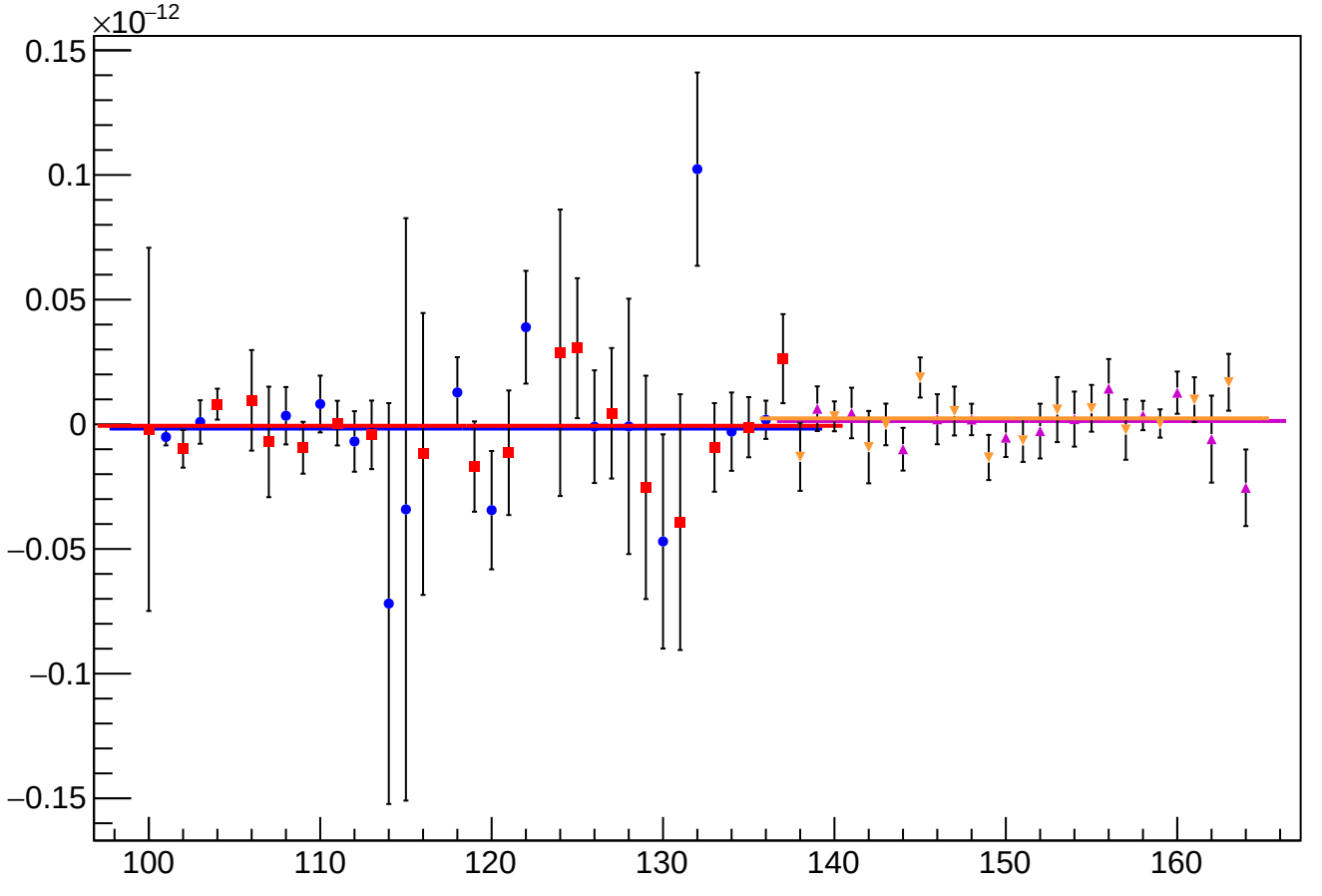
Left: 330.426+/-0.050 χ^2/NDF: 428073.5/26

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 178.631+/-0.036 χ^2/NDF:11547147.3/28

Out: 180.504+/-0.035 χ^2/NDF:10915885.4/32

All: 179.586+/-0.025 χ^2/NDF: 22464404.6/61



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/12

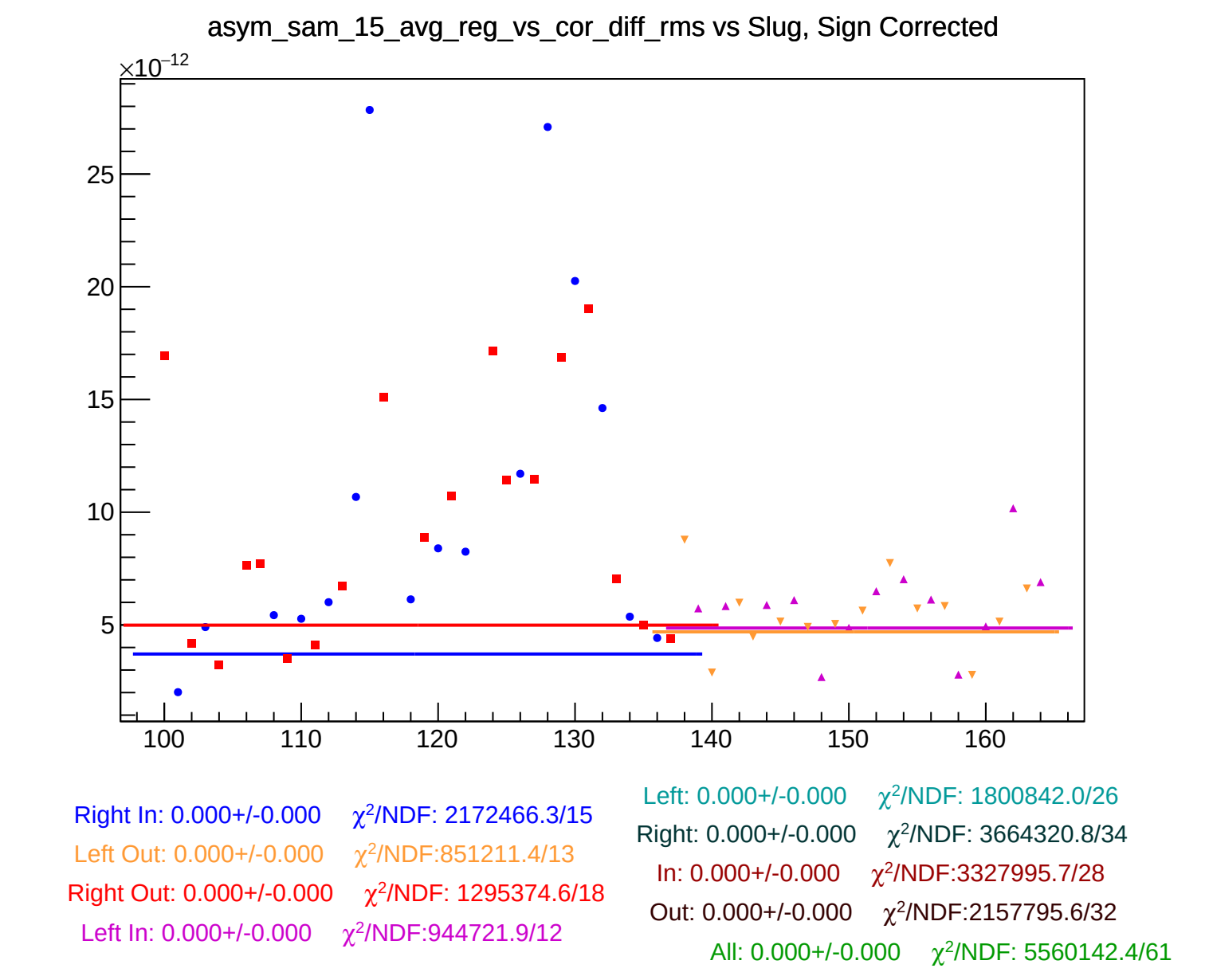
Left: 0.000+/-0.000 χ^2/NDF: 22.6/26

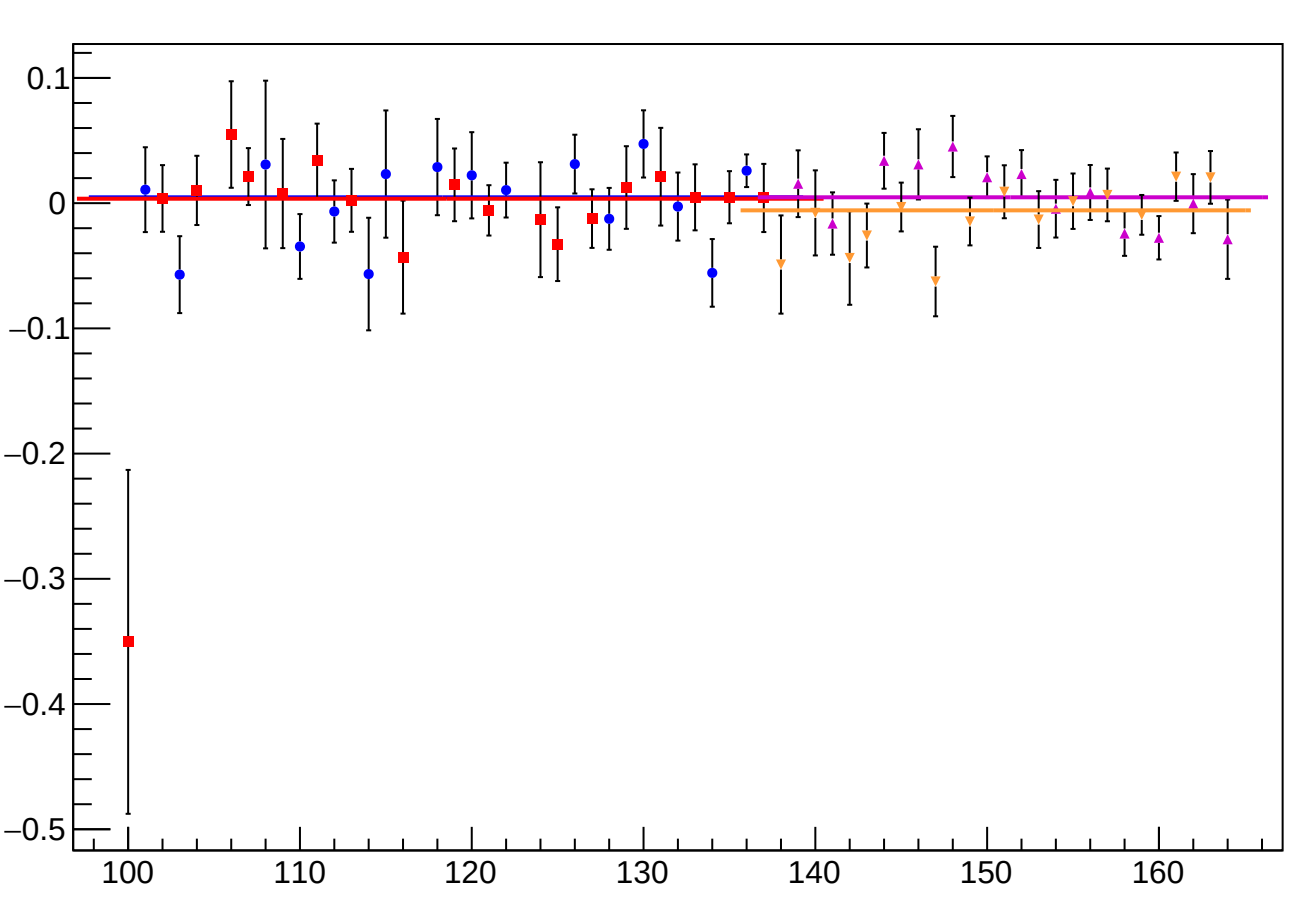
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:27.9/28

Out: 0.000+/-0.000 χ^2/NDF:24.2/32

All: 0.000+/-0.000 χ^2/NDF: 52.5/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:851211.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:944721.9/12
Left: 0.000+/-0.000 χ²/NDF: 1800842.0/26
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3327995.7/28
Out: 0.000+/-0.000 χ²/NDF:2157795.6/32
All: 0.000+/-0.000 χ²/NDF: 5560142.4/61



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.006 χ^2/NDF:11.9/13

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.006 χ^2/NDF:15.6/12

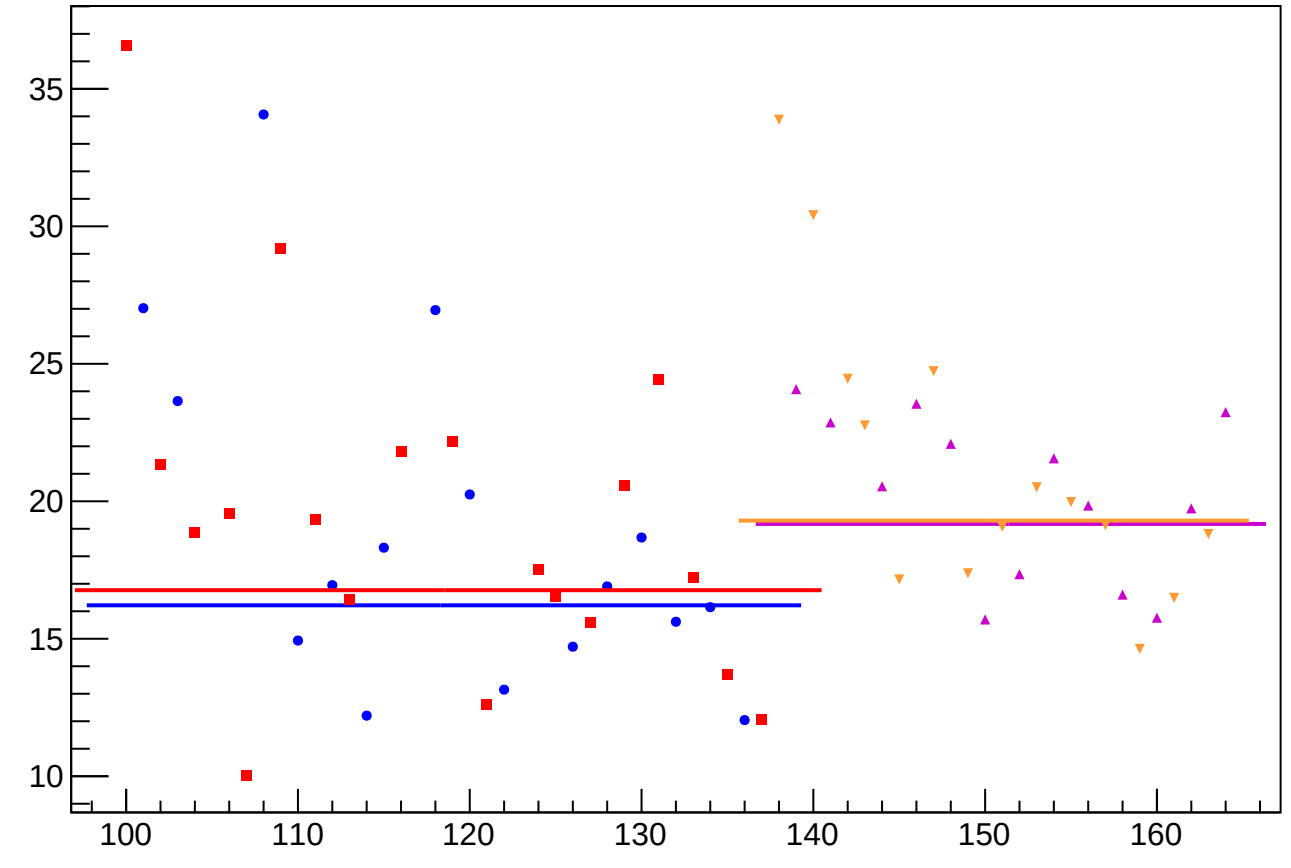
Left: -0.001+/-0.004 χ^2/NDF: 29.0/26

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:37.0/28

Out: -0.002+/-0.004 χ^2/NDF:26.6/32

All: 0.002+/-0.003 χ^2/NDF: 64.6/61



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.297+/-0.004 χ^2/NDF:910106.2/13

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.176+/-0.004 χ^2/NDF:478100.1/12

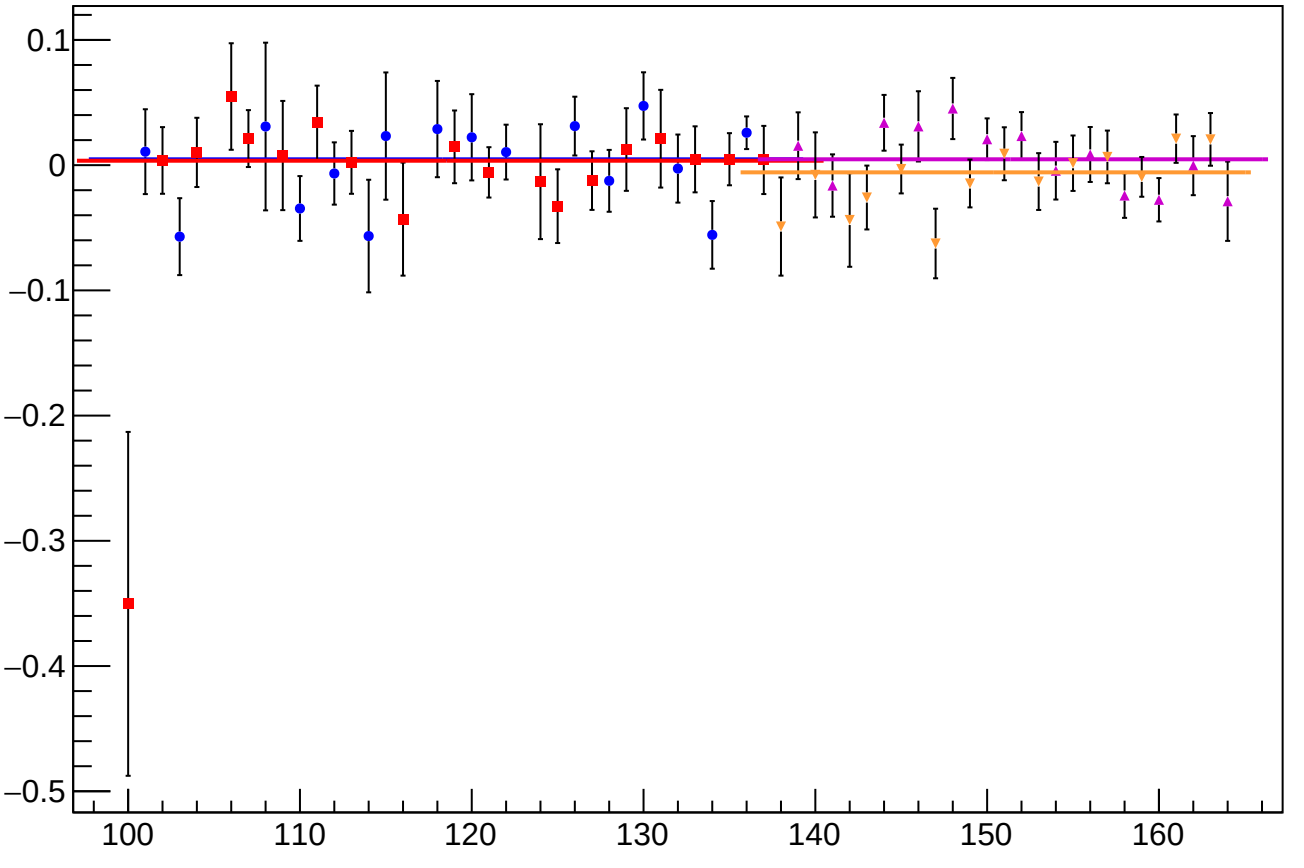
Left: 19.237+/-0.003 χ^2/NDF: 1388612.6/26

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.823+/-0.003 χ^2/NDF:1642631.4/28

Out: 18.158+/-0.003 χ^2/NDF:1937284.3/32

All: 17.990+/-0.002 χ^2/NDF: 3585593.9/61



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.006 χ^2/NDF:11.9/13

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.006 χ^2/NDF:15.6/12

Left: -0.001+/-0.004 χ^2/NDF: 29.0/26

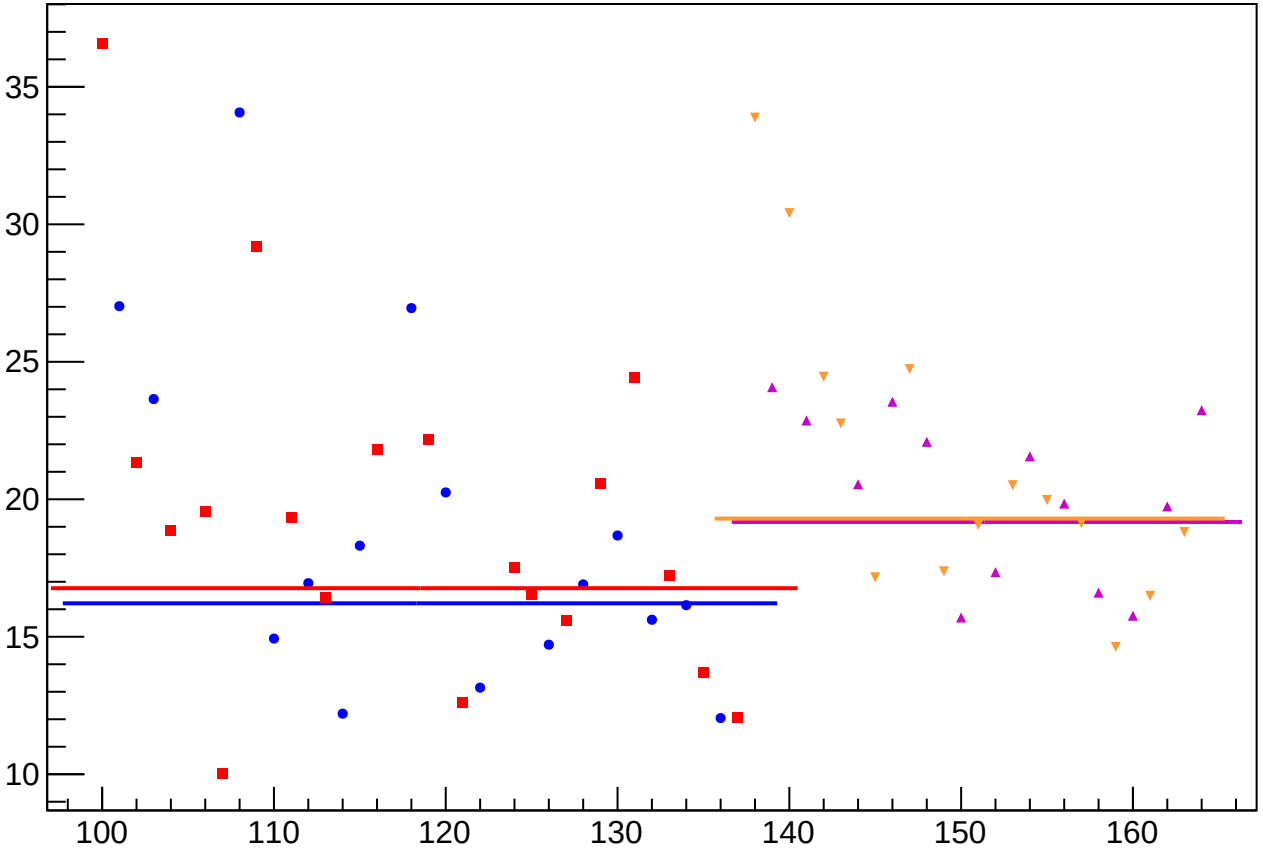
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:37.0/28

Out: -0.002+/-0.004 χ^2/NDF:26.6/32

All: 0.002+/-0.003 χ^2/NDF: 64.6/61

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.297+/-0.004 χ^2/NDF:910106.2/13

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.176+/-0.004 χ^2/NDF:478100.1/12

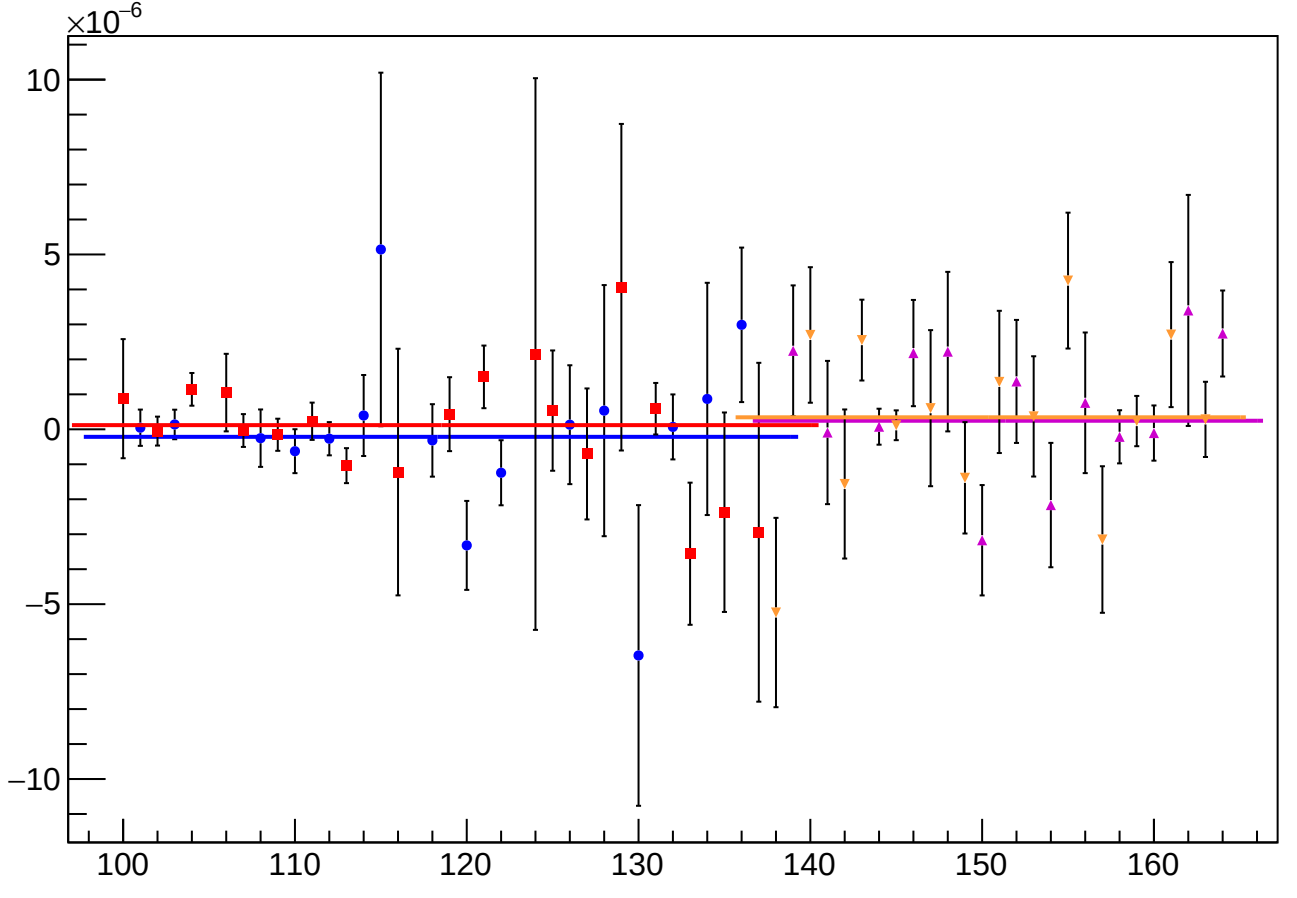
Left: 19.237+/-0.003 χ^2/NDF: 1388612.6/26

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.823+/-0.003 χ^2/NDF:1642631.4/28

Out: 18.158+/-0.003 χ^2/NDF:1937284.3/32

All: 17.990+/-0.002 χ^2/NDF: 3585593.9/61



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.2/12

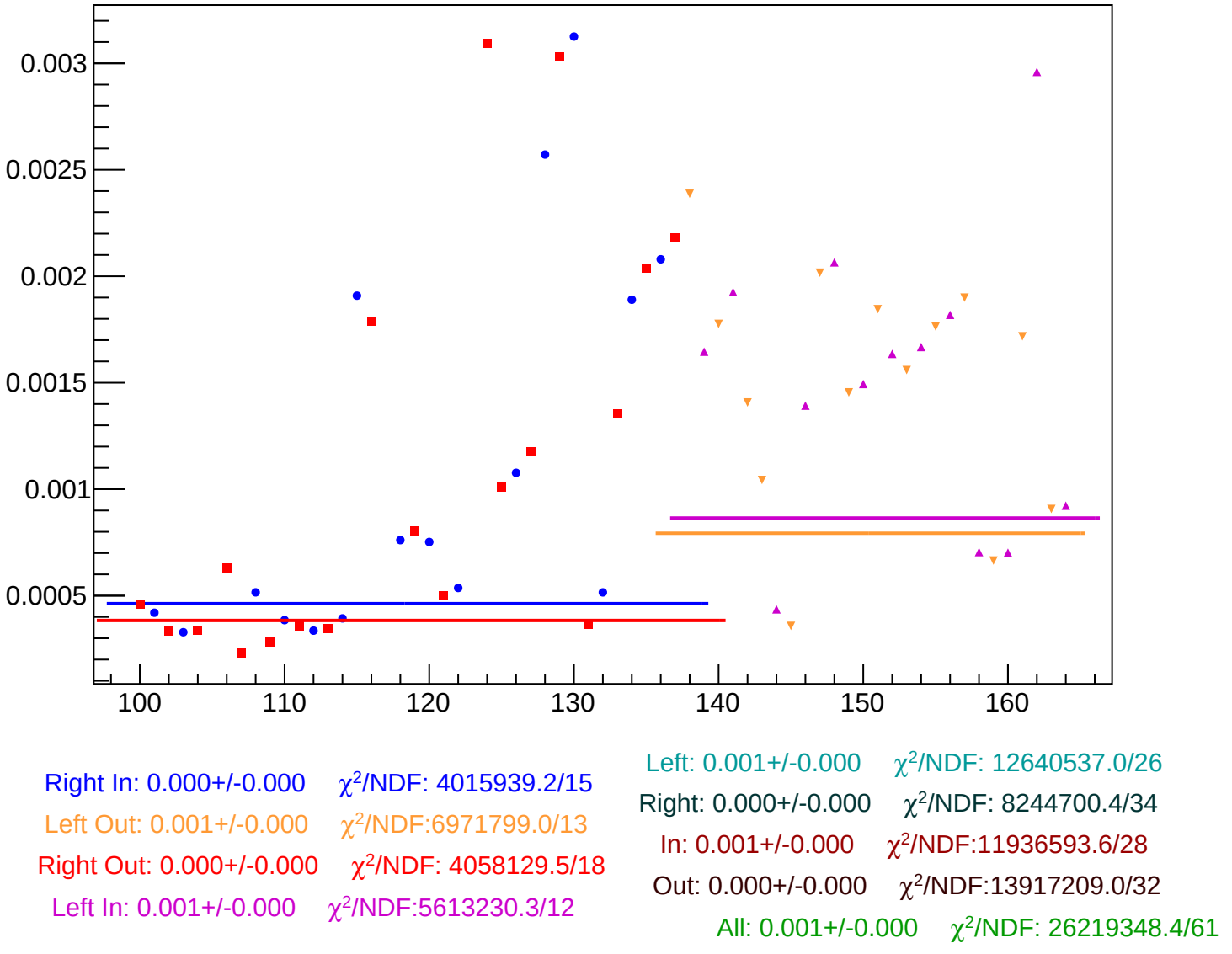
Left: 0.000+/-0.000 χ^2/NDF: 36.4/26

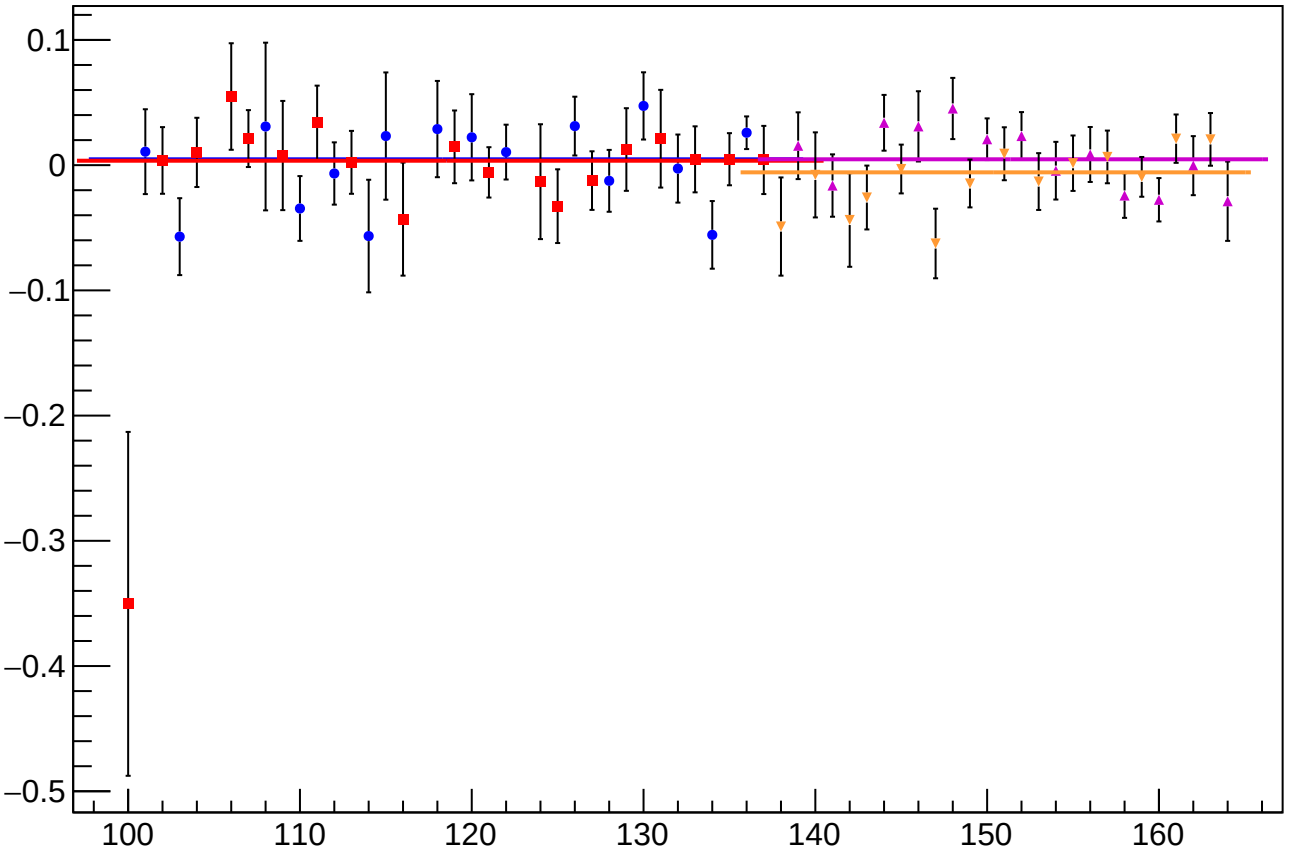
Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:32.2/28

Out: 0.000+/-0.000 χ^2/NDF:40.7/32

All: 0.000+/-0.000 χ^2/NDF: 74.2/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:6971799.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:5613230.3/12
Left: 0.001+/-0.000 χ²/NDF: 12640537.0/26
Right: 0.000+/-0.000 χ²/NDF: 8244700.4/34
In: 0.001+/-0.000 χ²/NDF:11936593.6/28
Out: 0.000+/-0.000 χ²/NDF:13917209.0/32
All: 0.001+/-0.000 χ²/NDF: 26219348.4/61



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.006 χ^2/NDF:11.9/13

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.006 χ^2/NDF:15.6/12

Left: -0.001+/-0.004 χ^2/NDF: 29.0/26

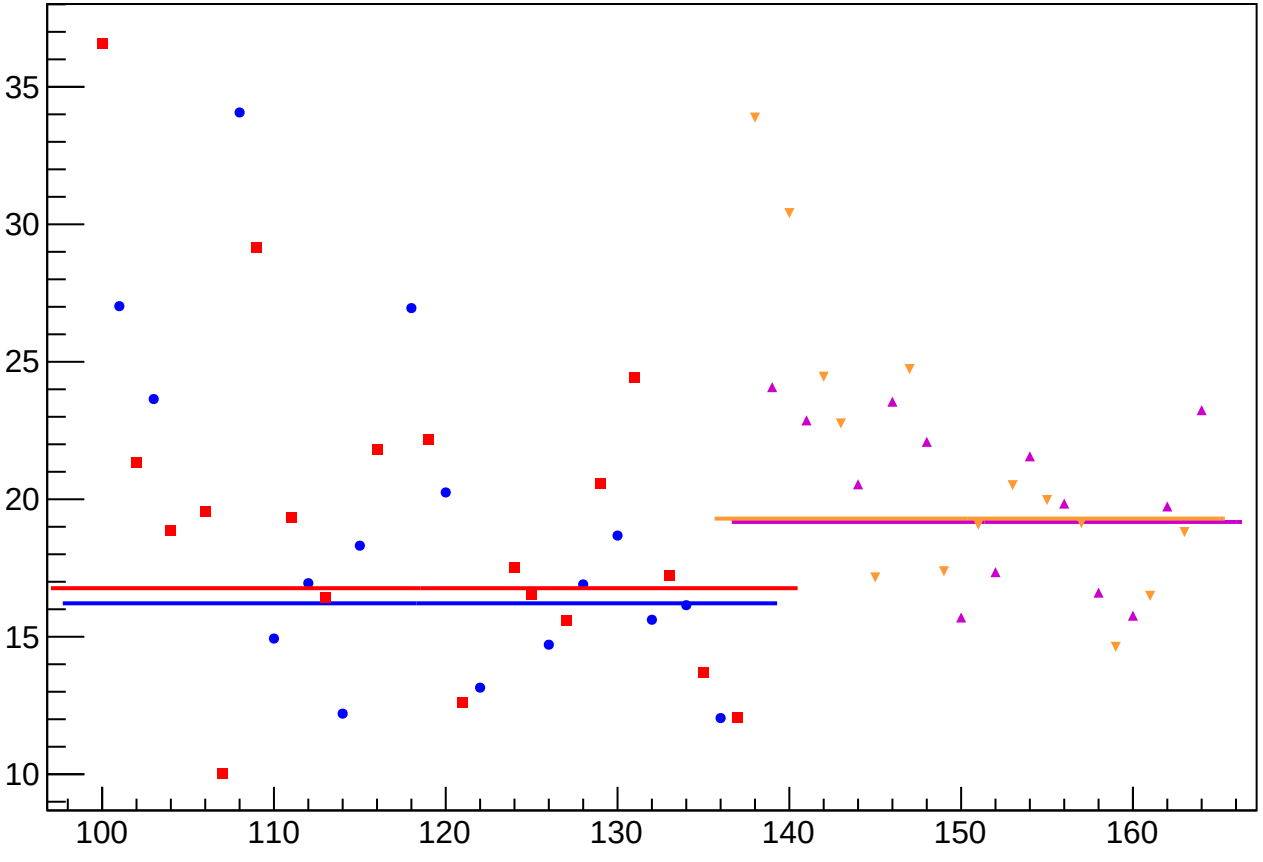
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:37.0/28

Out: -0.002+/-0.004 χ^2/NDF:26.6/32

All: 0.002+/-0.003 χ^2/NDF: 64.6/61

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.297+/-0.004 χ^2/NDF:910208.0/13

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.176+/-0.004 χ^2/NDF:478198.4/12

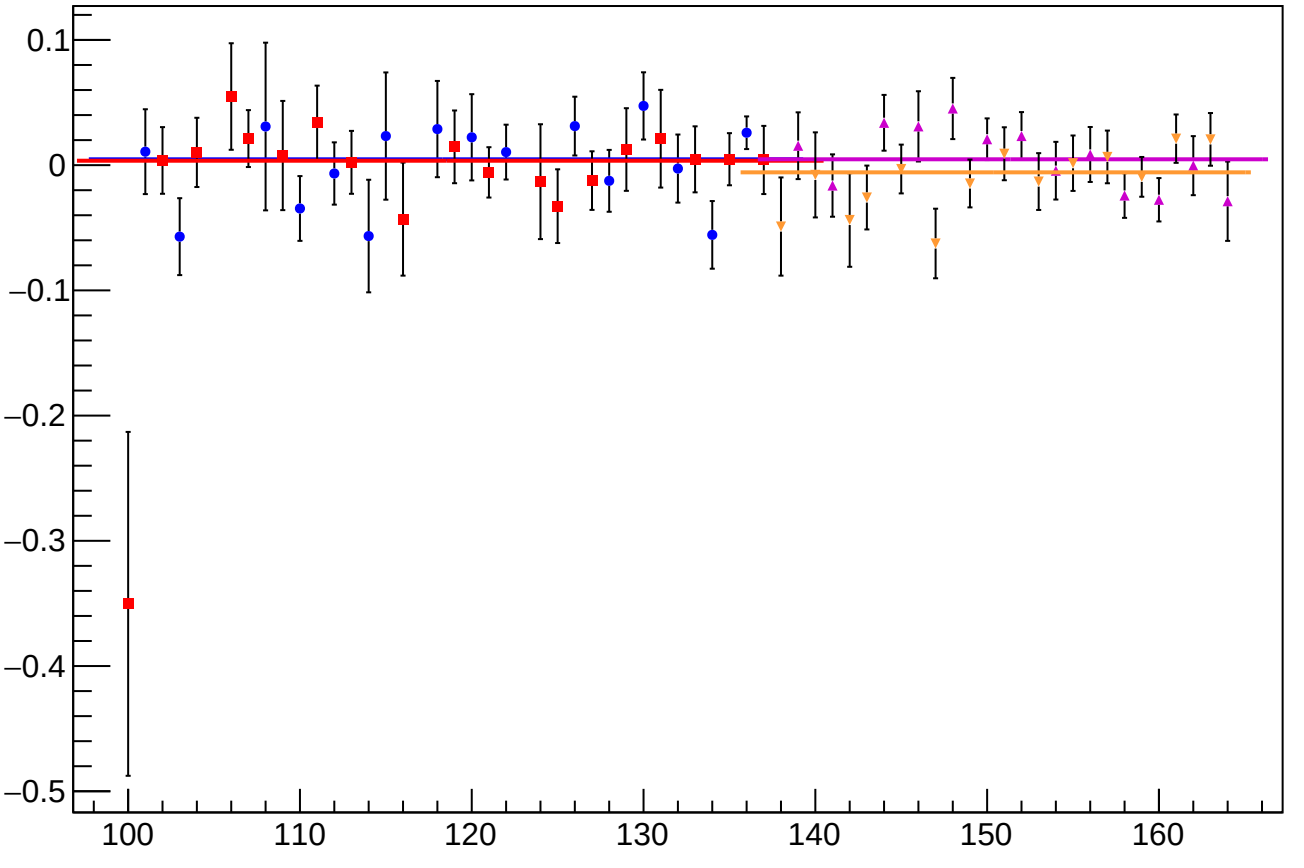
Left: 19.237+/-0.003 χ^2/NDF: 1388813.2/26

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.823+/-0.003 χ^2/NDF:1642711.9/28

Out: 18.158+/-0.003 χ^2/NDF:1937403.8/32

All: 17.990+/-0.002 χ^2/NDF: 3585795.0/61



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.006 χ^2/NDF:11.9/13

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.006 χ^2/NDF:15.6/12

Left: -0.001+/-0.004 χ^2/NDF: 29.0/26

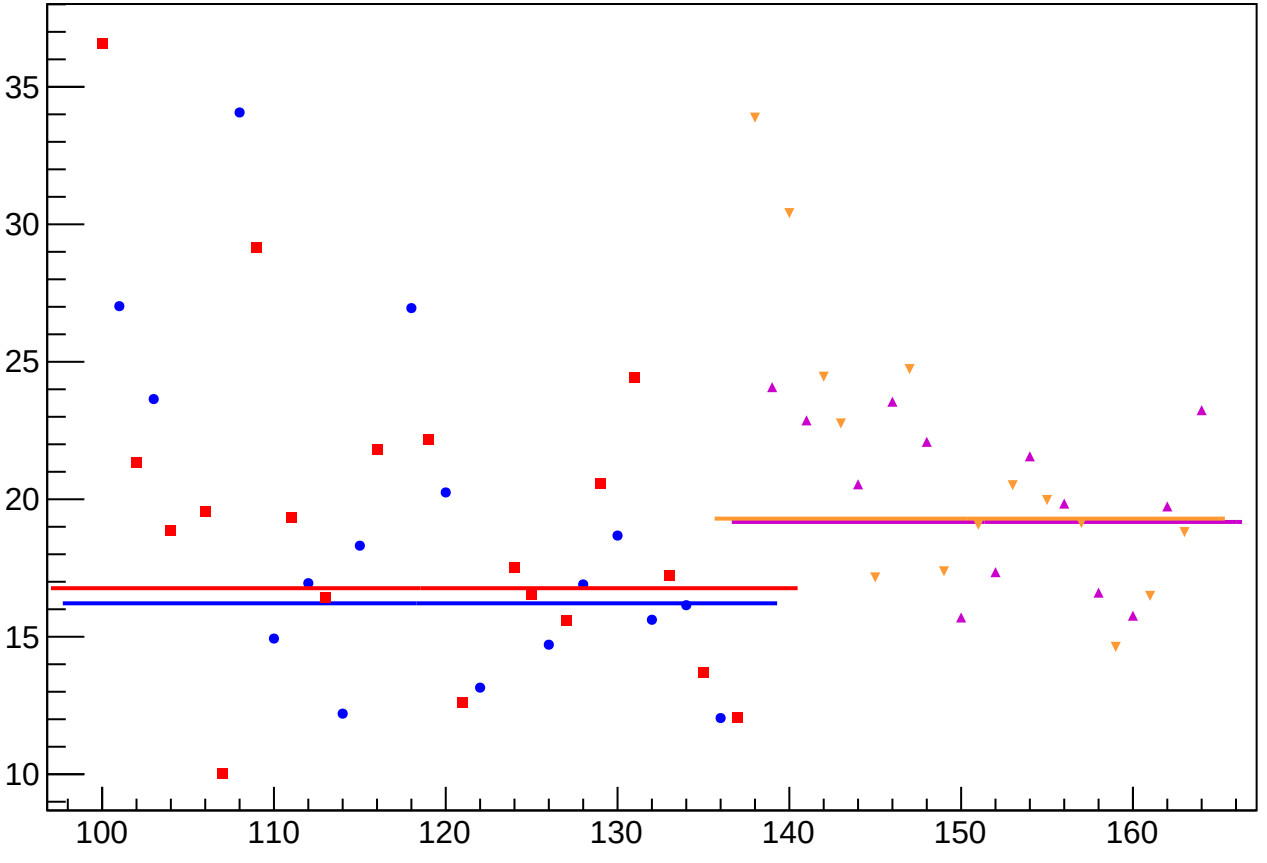
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:37.0/28

Out: -0.002+/-0.004 χ^2/NDF:26.6/32

All: 0.002+/-0.003 χ^2/NDF: 64.6/61

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: 19.297+/-0.004 χ^2/NDF:910208.0/13

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.176+/-0.004 χ^2/NDF:478198.4/12

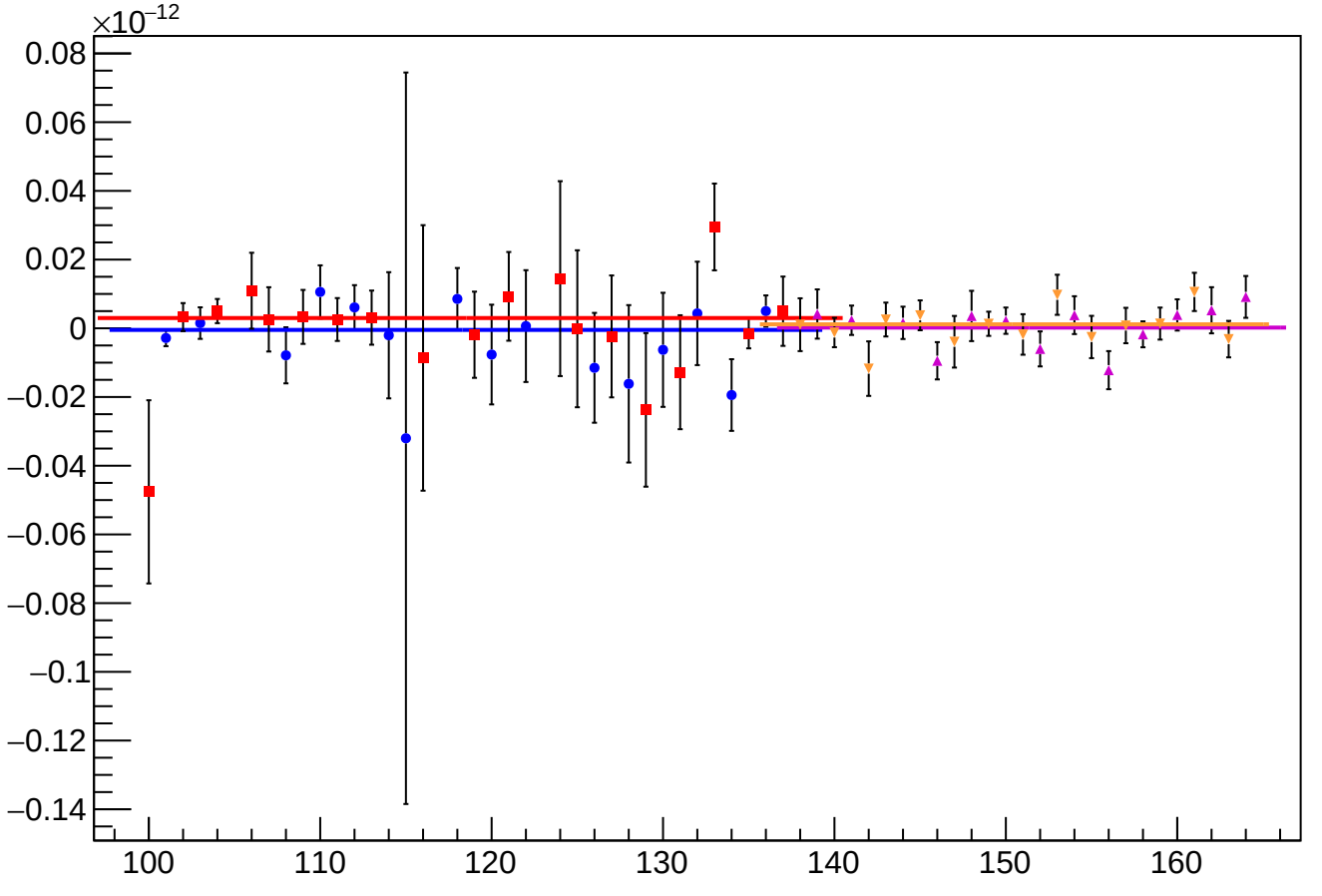
Left: 19.237+/-0.003 χ^2/NDF: 1388813.2/26

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.823+/-0.003 χ^2/NDF:1642711.9/28

Out: 18.158+/-0.003 χ^2/NDF:1937403.8/32

All: 17.990+/-0.002 χ^2/NDF: 3585795.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.8/12

Left: 0.000+/-0.000 χ^2/NDF: 25.2/26

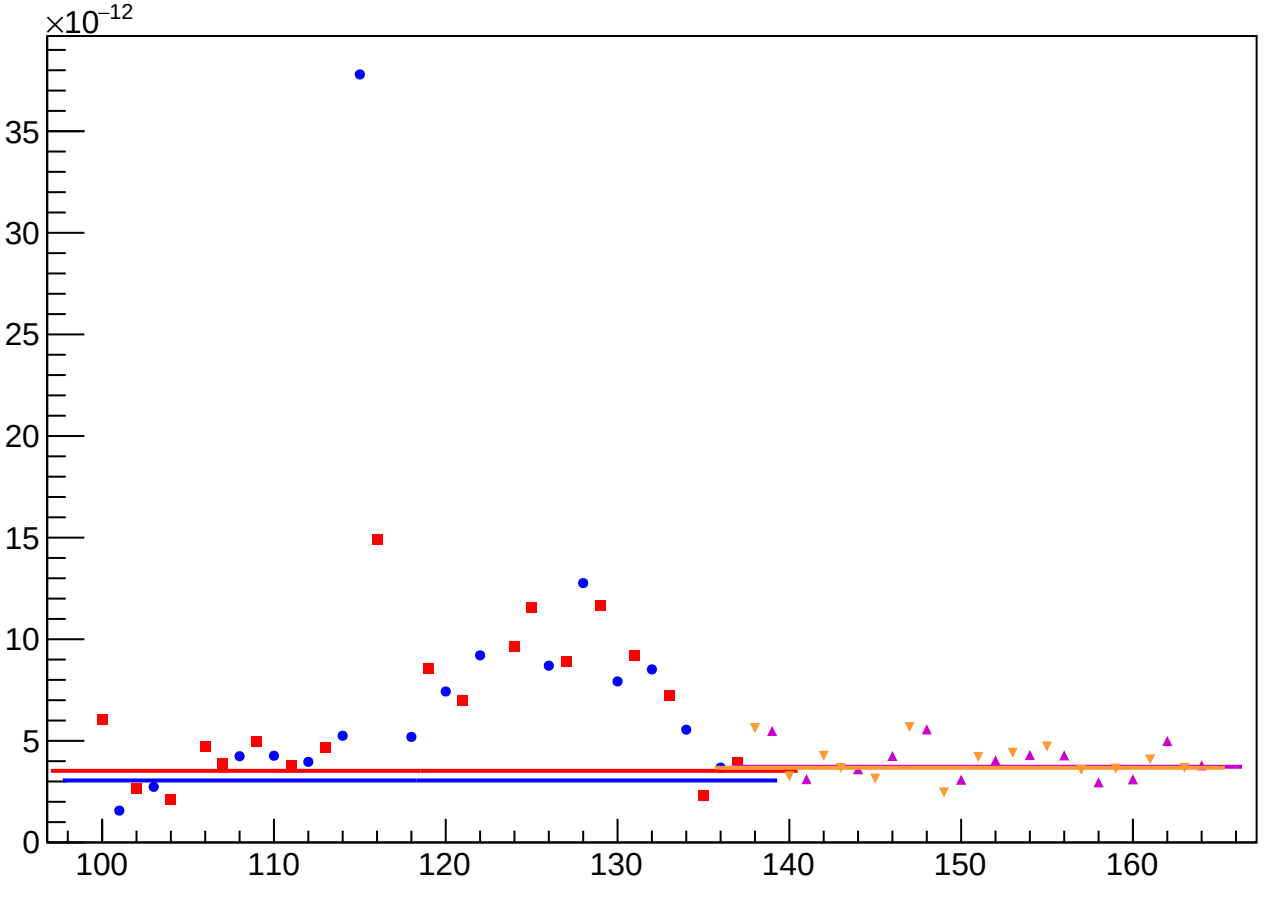
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: -0.000+/-0.000 χ^2/NDF:27.2/28

Out: 0.000+/-0.000 χ^2/NDF:23.8/32

All: 0.000+/-0.000 χ^2/NDF: 52.7/61

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:687566.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:604185.5/12

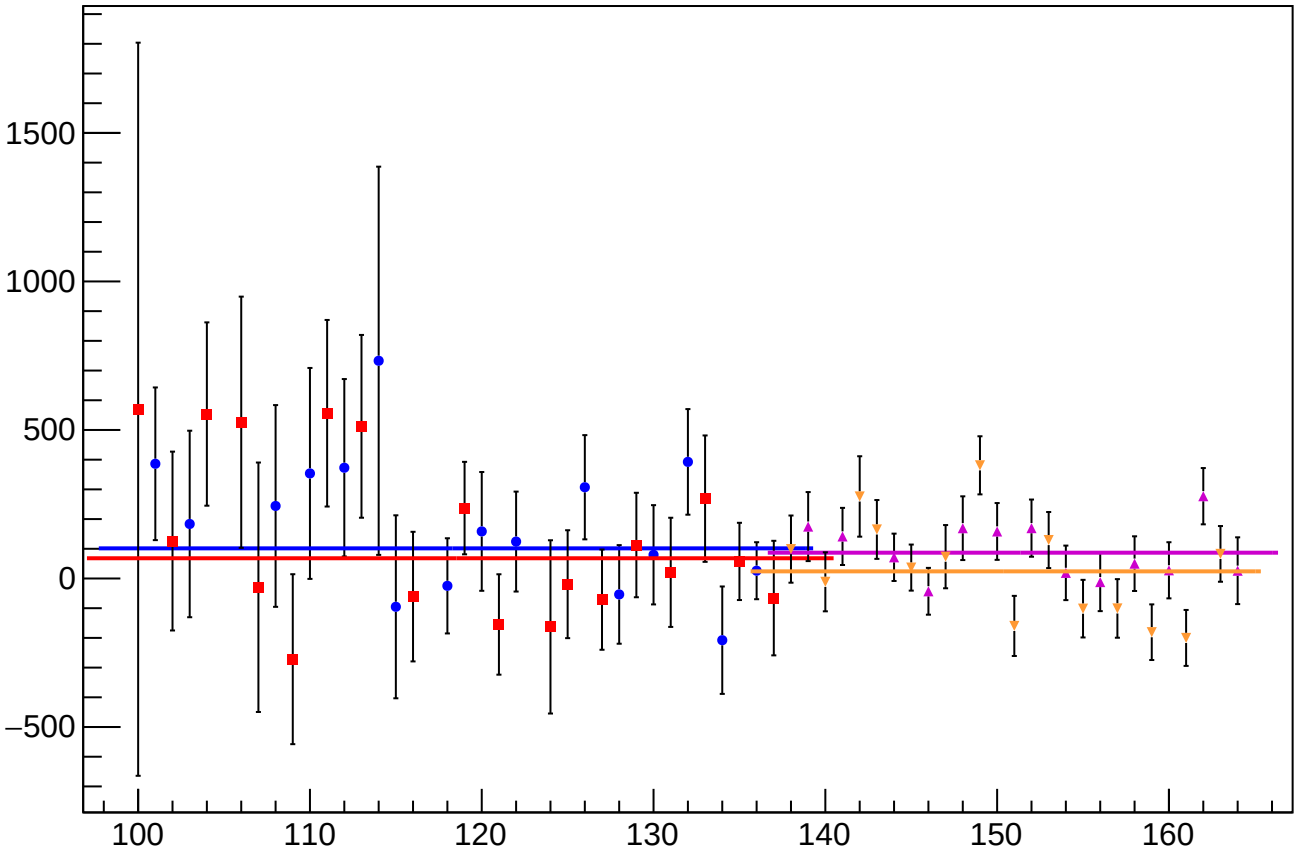
Left: 0.000+/-0.000 χ^2/NDF: 1293204.7/26

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:3738328.0/28

Out: 0.000+/-0.000 χ^2/NDF:3255227.8/32

All: 0.000+/-0.000 χ^2/NDF: 7019984.3/61



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 24.015+/-26.218 χ^2/NDF:38.3/13

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 86.832+/-26.273 χ^2/NDF:12.0/12

Left: 55.358+/-18.558 χ^2/NDF: 53.1/26

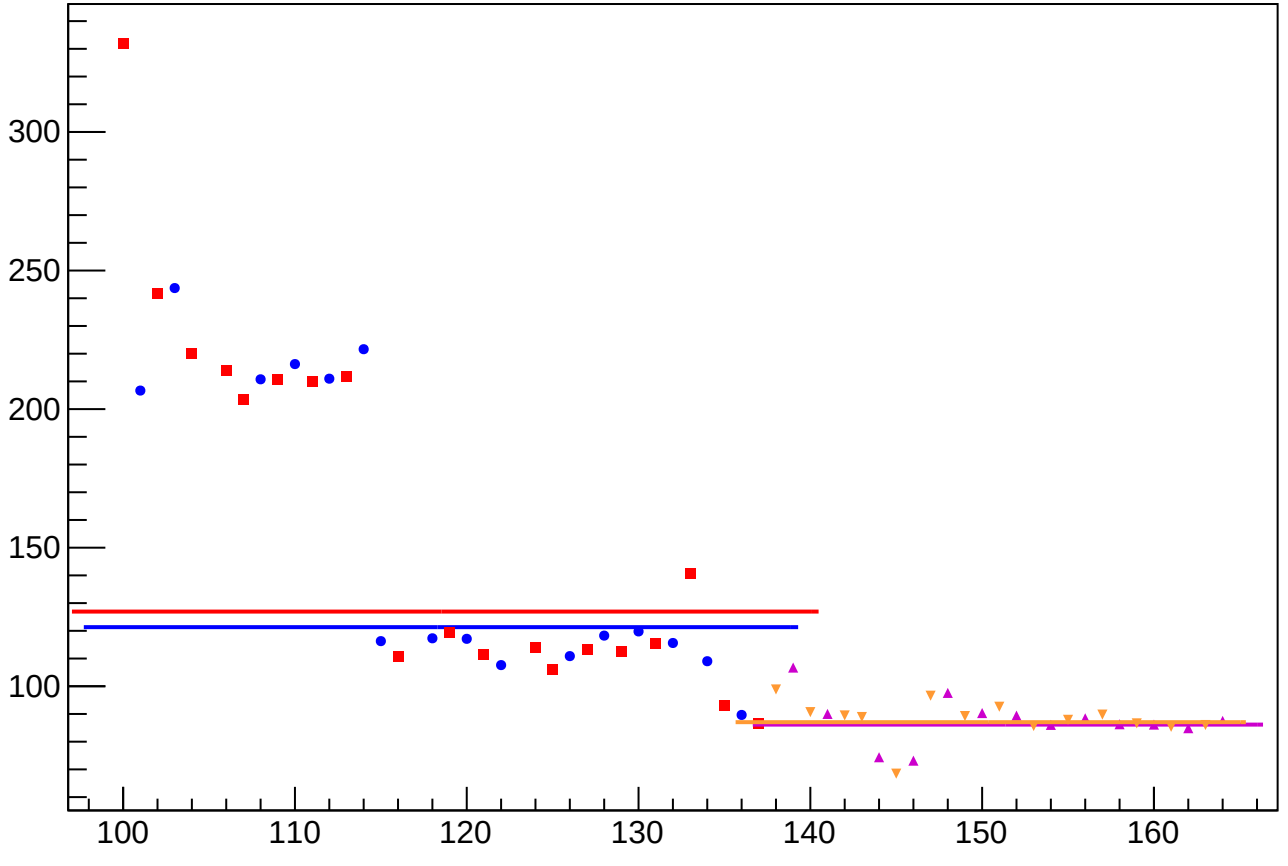
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 90.245+/-23.005 χ^2/NDF:25.4/28

Out: 33.727+/-23.151 χ^2/NDF:55.0/32

All: 62.164+/-16.318 χ^2/NDF: 83.4/61

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.039+/-0.019 χ^2/NDF:166800.5/13

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.161+/-0.019 χ^2/NDF:194694.8/12

Left: 86.601+/-0.013 χ^2/NDF: 362614.5/26

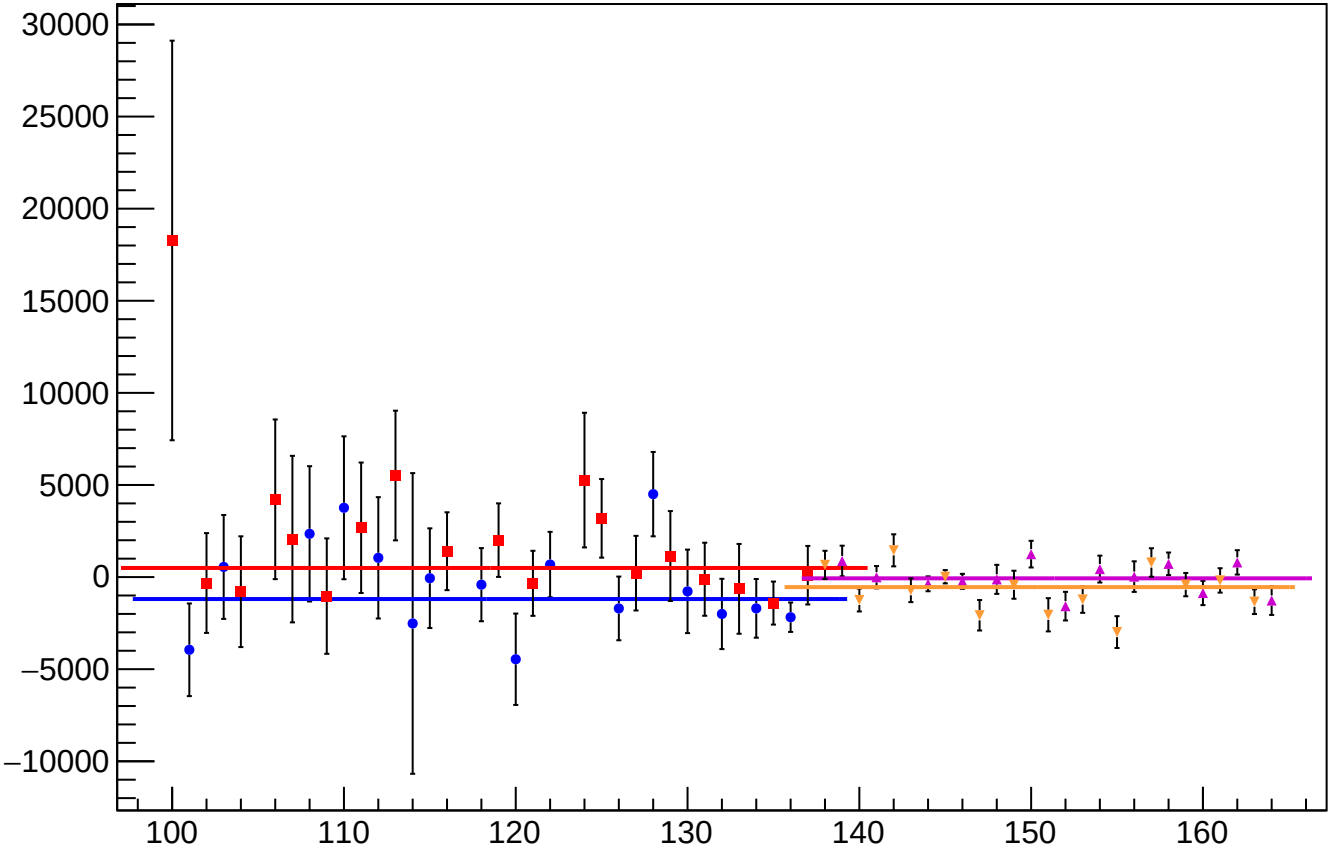
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 94.364+/-0.016 χ^2/NDF:2317160.7/28

Out: 95.829+/-0.016 χ^2/NDF:2659043.6/32

All: 95.092+/-0.012 χ^2/NDF: 4980233.2/61

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: -544.655+/-176.856 χ^2/NDF:31.3/13

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -68.136+/-172.296 χ^2/NDF:16.7/12

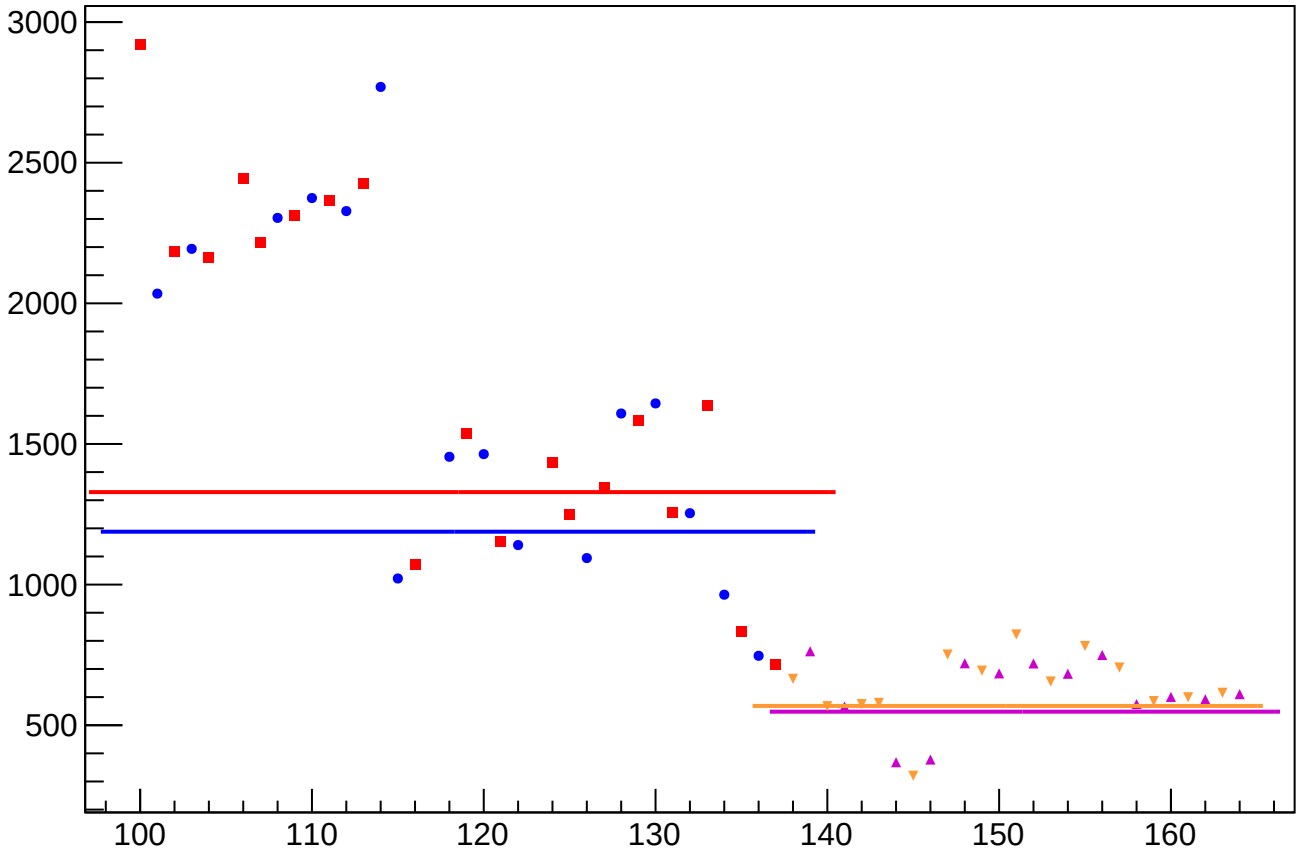
Left: -300.173+/-123.412 χ^2/NDF: 51.7/26

Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -196.950+/-162.123 χ^2/NDF:37.5/28

Out: -437.551+/-167.496 χ^2/NDF:48.7/32

All: -313.330+/-116.491 χ^2/NDF: 87.3/61



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 568.617+/-0.125 χ^2/NDF:1510792.0/13

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 548.177+/-0.122 χ^2/NDF:1367961.2/12

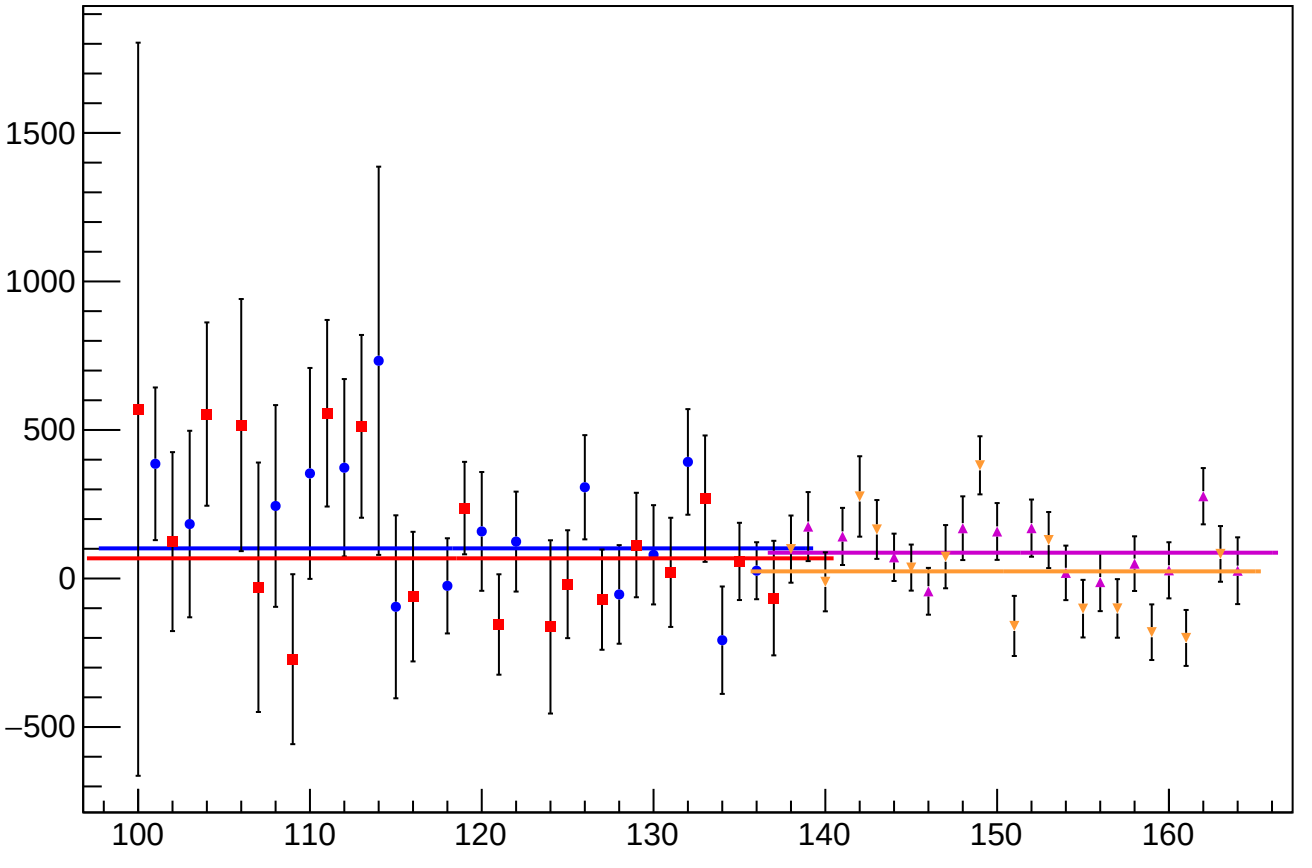
Left: 558.130+/-0.087 χ^2/NDF: 2892458.9/26

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 621.509+/-0.115 χ^2/NDF:6573996.8/28

Out: 646.960+/-0.118 χ^2/NDF:7276723.3/32

All: 633.819+/-0.082 χ^2/NDF: 13874561.1/61



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 24.018+/-26.218 χ^2/NDF:38.3/13

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 86.832+/-26.273 χ^2/NDF:12.0/12

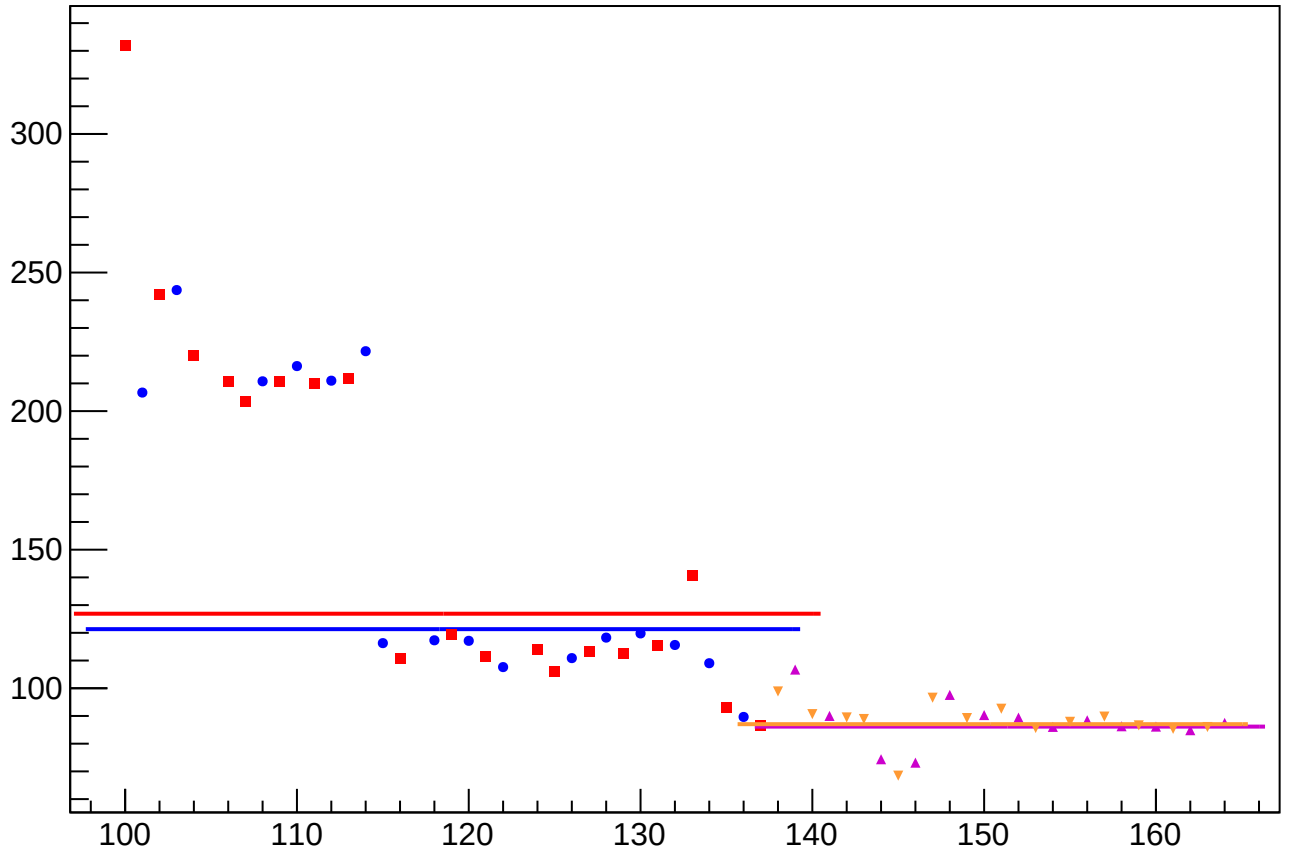
Left: 55.359+/-18.558 χ^2/NDF: 53.1/26

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 90.241+/-23.005 χ^2/NDF:25.4/28

Out: 33.679+/-23.151 χ^2/NDF:55.0/32

All: 62.139+/-16.318 χ^2/NDF: 83.4/61



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.039+/-0.019 χ^2/NDF:166800.5/13

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.161+/-0.019 χ^2/NDF:194694.8/12

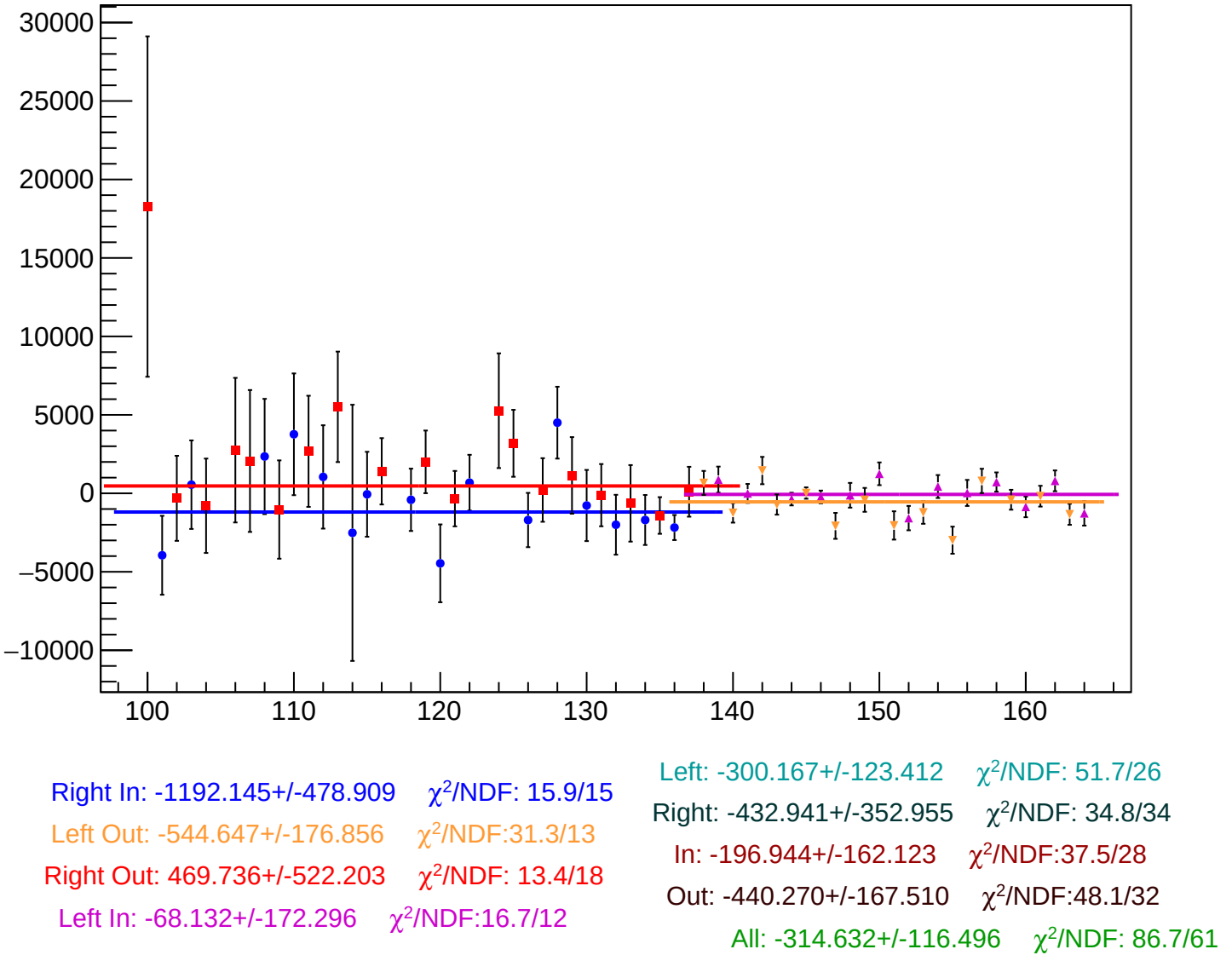
Left: 86.601+/-0.013 χ^2/NDF: 362614.5/26

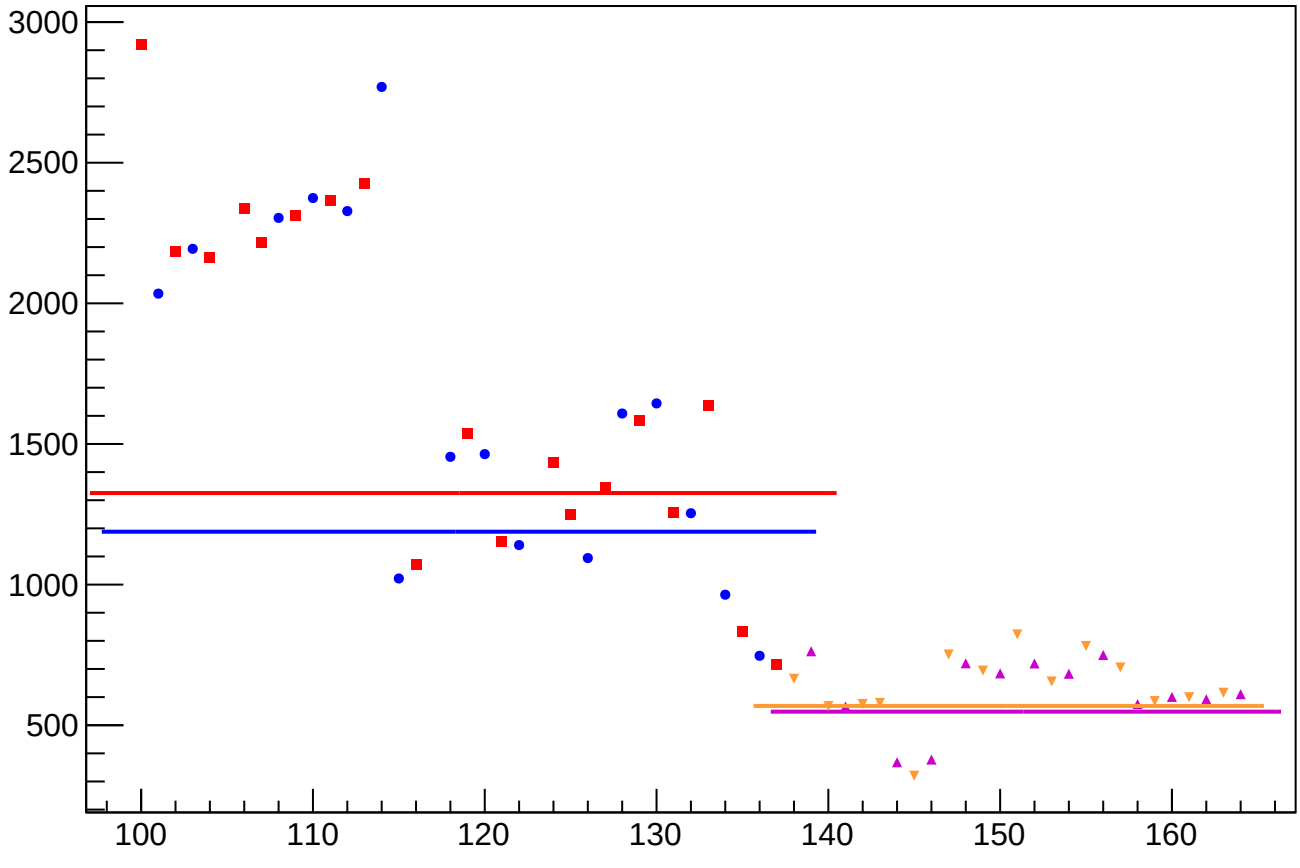
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 94.364+/-0.016 χ^2/NDF:2317163.0/28

Out: 95.817+/-0.016 χ^2/NDF:2650274.3/32

All: 95.086+/-0.012 χ^2/NDF: 4971401.0/61


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: -544.647+/-176.856 χ²/NDF:31.3/13
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: -68.132+/-172.296 χ²/NDF:16.7/12
Left: -300.167+/-123.412 χ²/NDF: 51.7/26
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -196.944+/-162.123 χ²/NDF:37.5/28
Out: -440.270+/-167.510 χ²/NDF:48.1/32
All: -314.632+/-116.496 χ²/NDF: 86.7/61



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 568.616+/-0.125 χ^2/NDF:1510801.7/13

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 548.177+/-0.122 χ^2/NDF:1367963.6/12

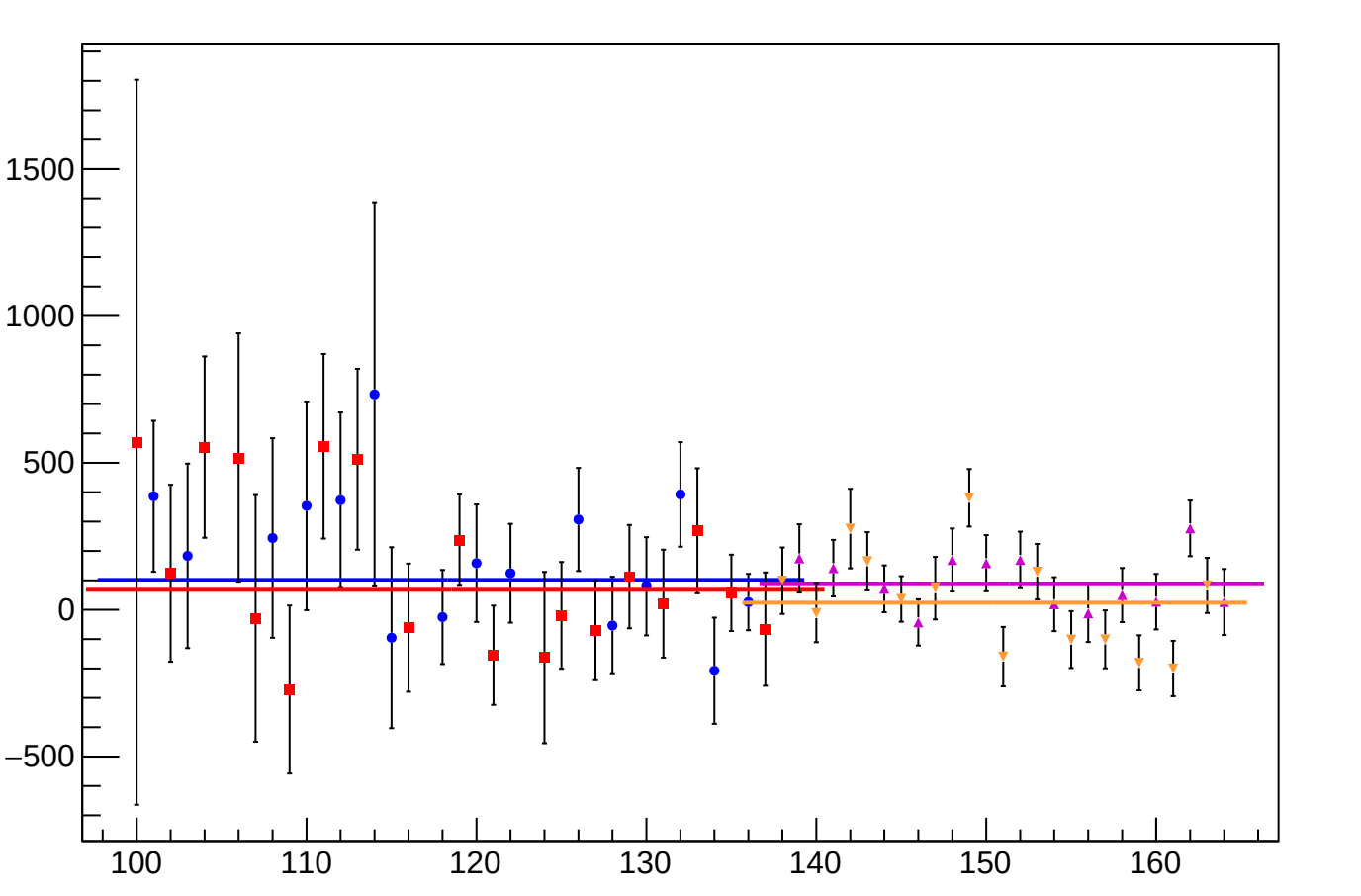
Left: 558.130+/-0.087 χ^2/NDF: 2892470.3/26

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 621.509+/-0.115 χ^2/NDF:6574019.5/28

Out: 646.504+/-0.118 χ^2/NDF:7201649.3/32

All: 633.598+/-0.082 χ^2/NDF: 13798662.1/61



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 24.018+/-26.218 χ^2/NDF:38.3/13

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 86.832+/-26.273 χ^2/NDF:12.0/12

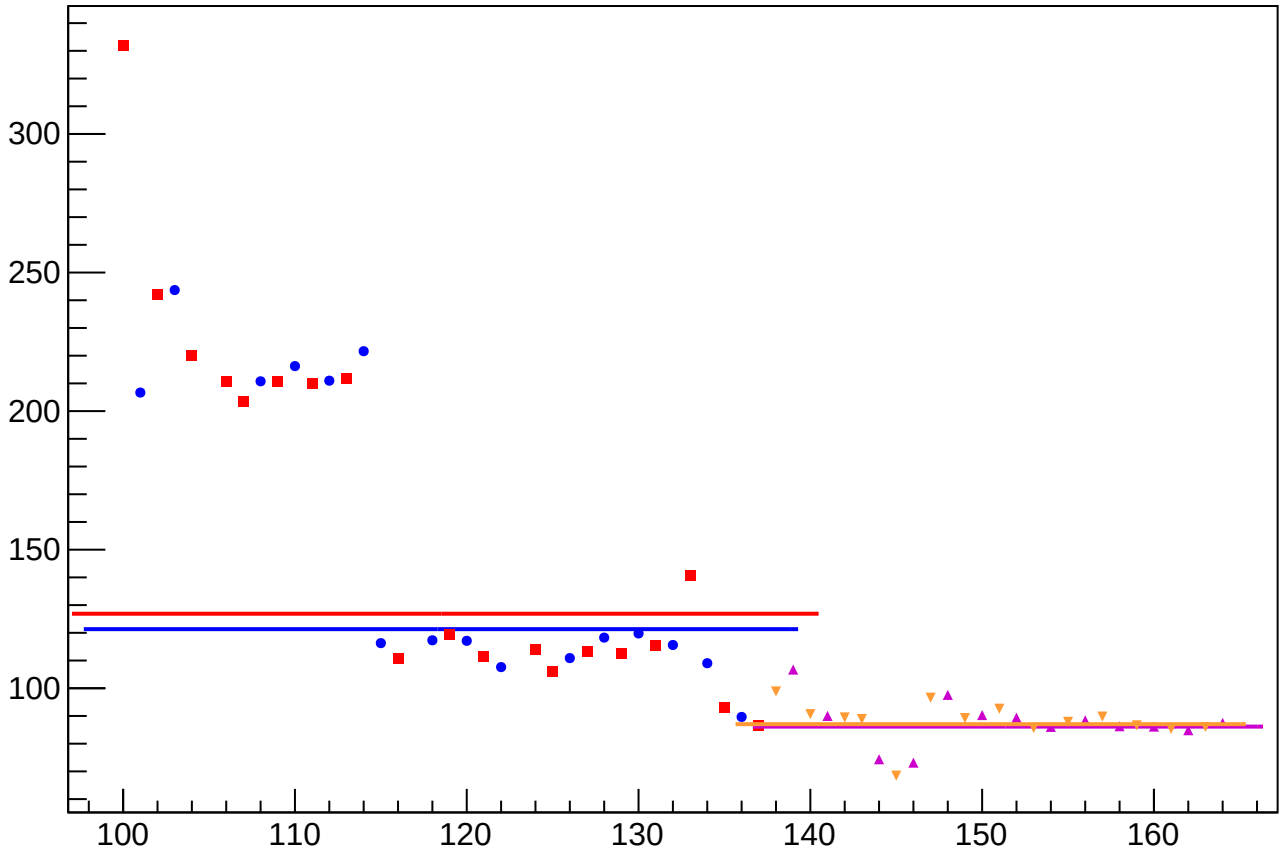
Left: 55.359+/-18.558 χ^2/NDF: 53.1/26

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 90.241+/-23.005 χ^2/NDF:25.4/28

Out: 33.679+/-23.151 χ^2/NDF:55.0/32

All: 62.139+/-16.318 χ^2/NDF: 83.4/61



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.039+/-0.019 χ^2/NDF:166800.5/13

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.161+/-0.019 χ^2/NDF:194694.8/12

Left: 86.601+/-0.013 χ^2/NDF: 362614.5/26

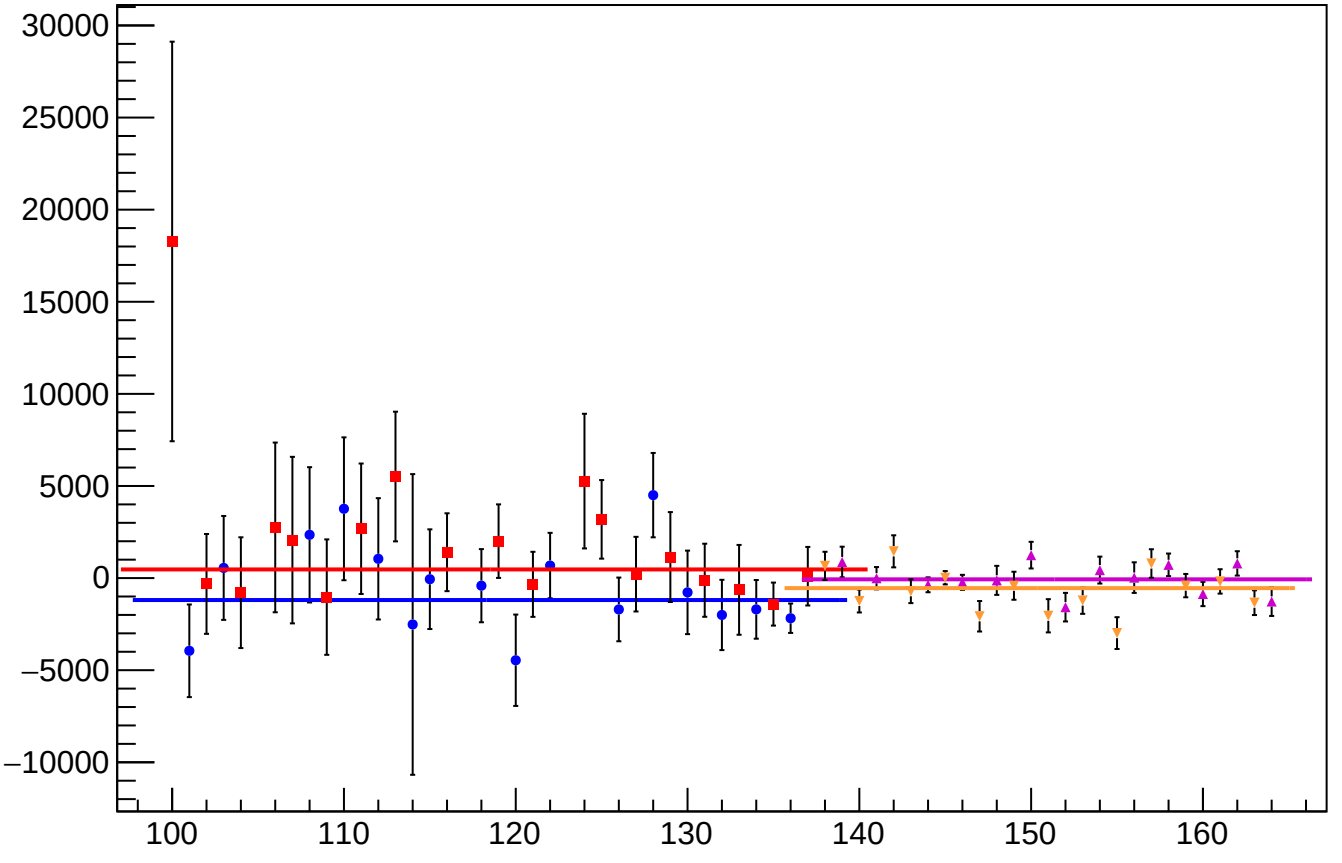
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 94.364+/-0.016 χ^2/NDF:2317163.0/28

Out: 95.817+/-0.016 χ^2/NDF:2650274.3/32

All: 95.086+/-0.012 χ^2/NDF: 4971401.0/61

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -544.647+/-176.856 χ^2/NDF:31.3/13

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -68.132+/-172.296 χ^2/NDF:16.7/12

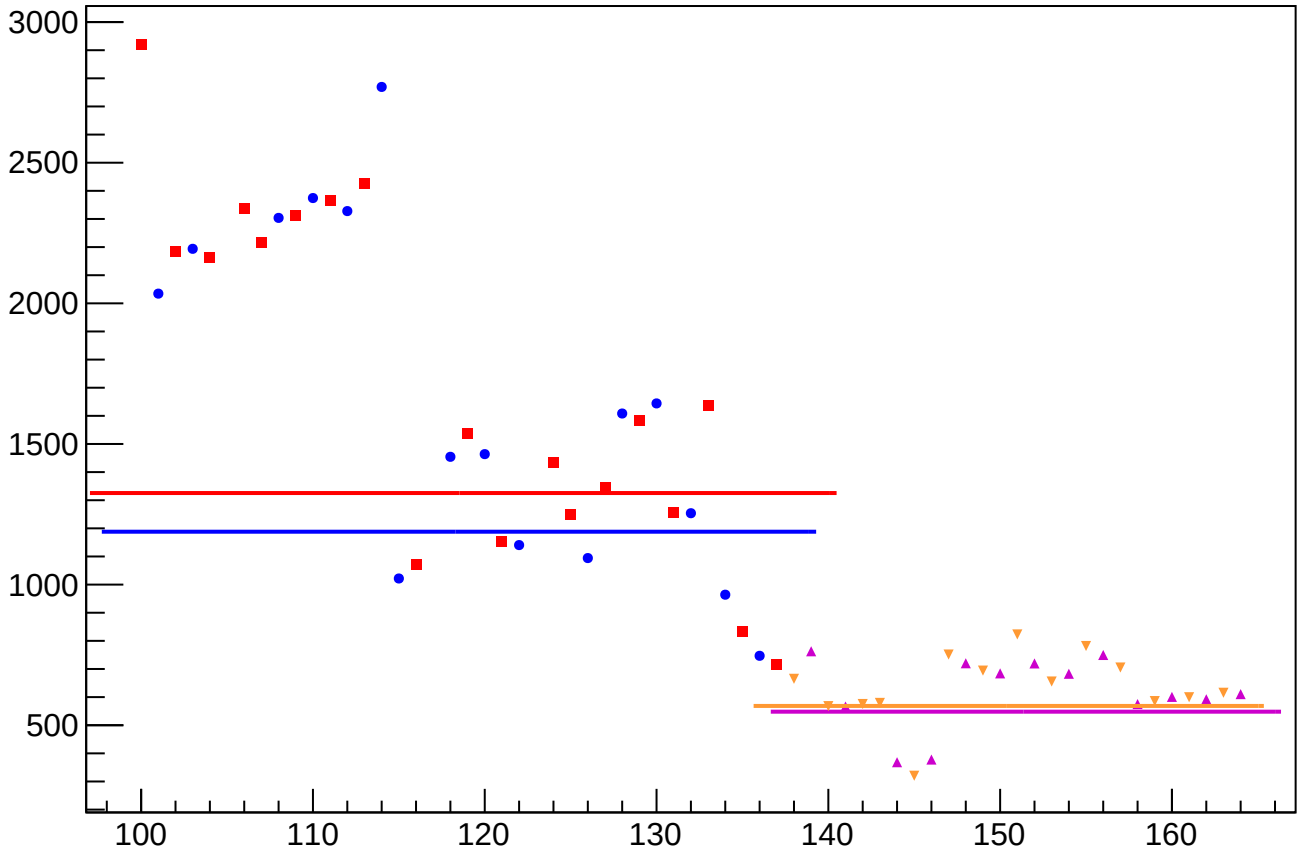
Left: -300.167+/-123.412 χ^2/NDF: 51.7/26

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -196.944+/-162.123 χ^2/NDF:37.5/28

Out: -440.270+/-167.510 χ^2/NDF:48.1/32

All: -314.632+/-116.496 χ^2/NDF: 86.7/61



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 568.616+/-0.125 χ^2/NDF:1510801.7/13

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 548.177+/-0.122 χ^2/NDF:1367963.6/12

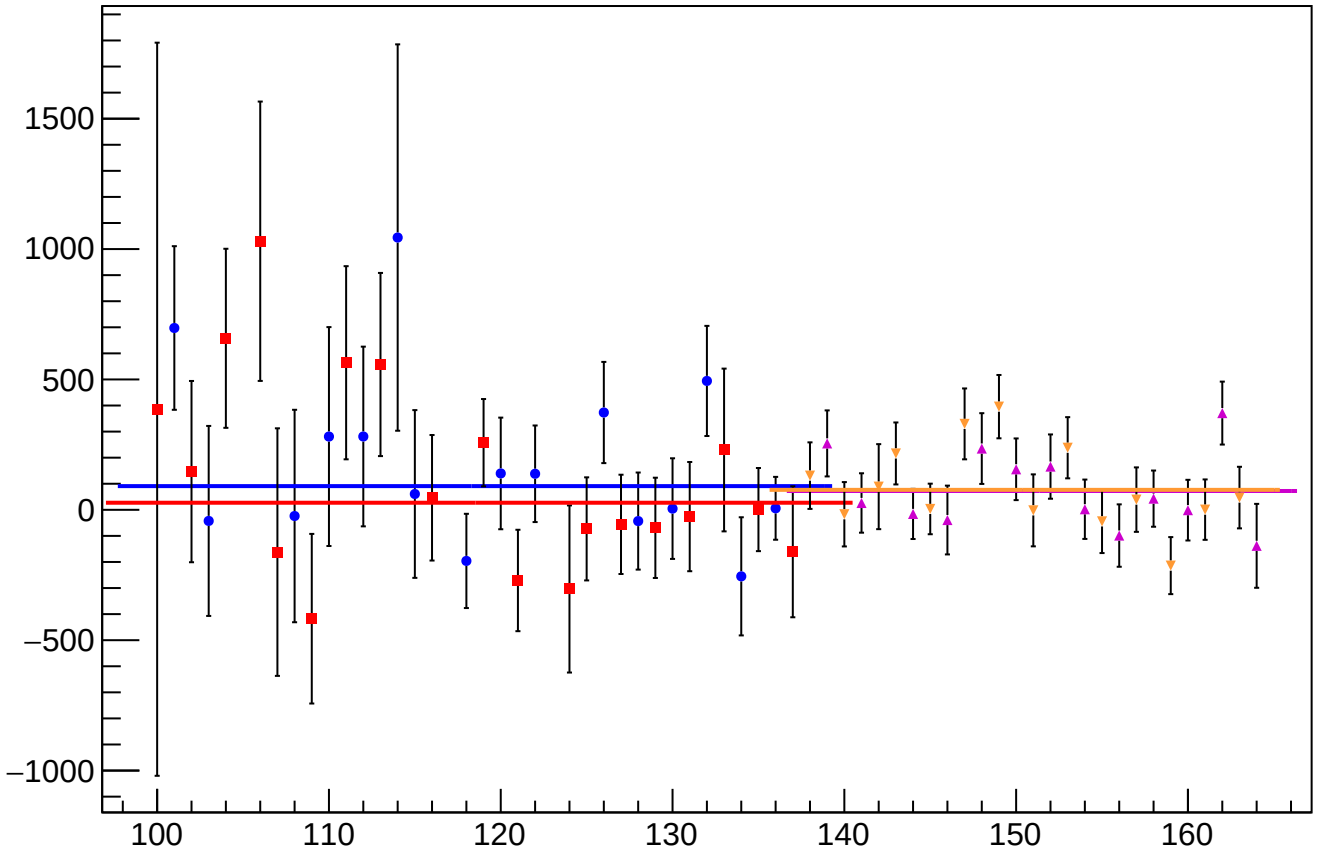
Left: 558.130+/-0.087 χ^2/NDF: 2892470.3/26

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 621.509+/-0.115 χ^2/NDF:6574019.5/28

Out: 646.504+/-0.118 χ^2/NDF:7201649.3/32

All: 633.598+/-0.082 χ^2/NDF: 13798662.1/61



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 76.564+/-32.410 χ^2/NDF:23.9/13

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 72.196+/-33.135 χ^2/NDF:17.0/12

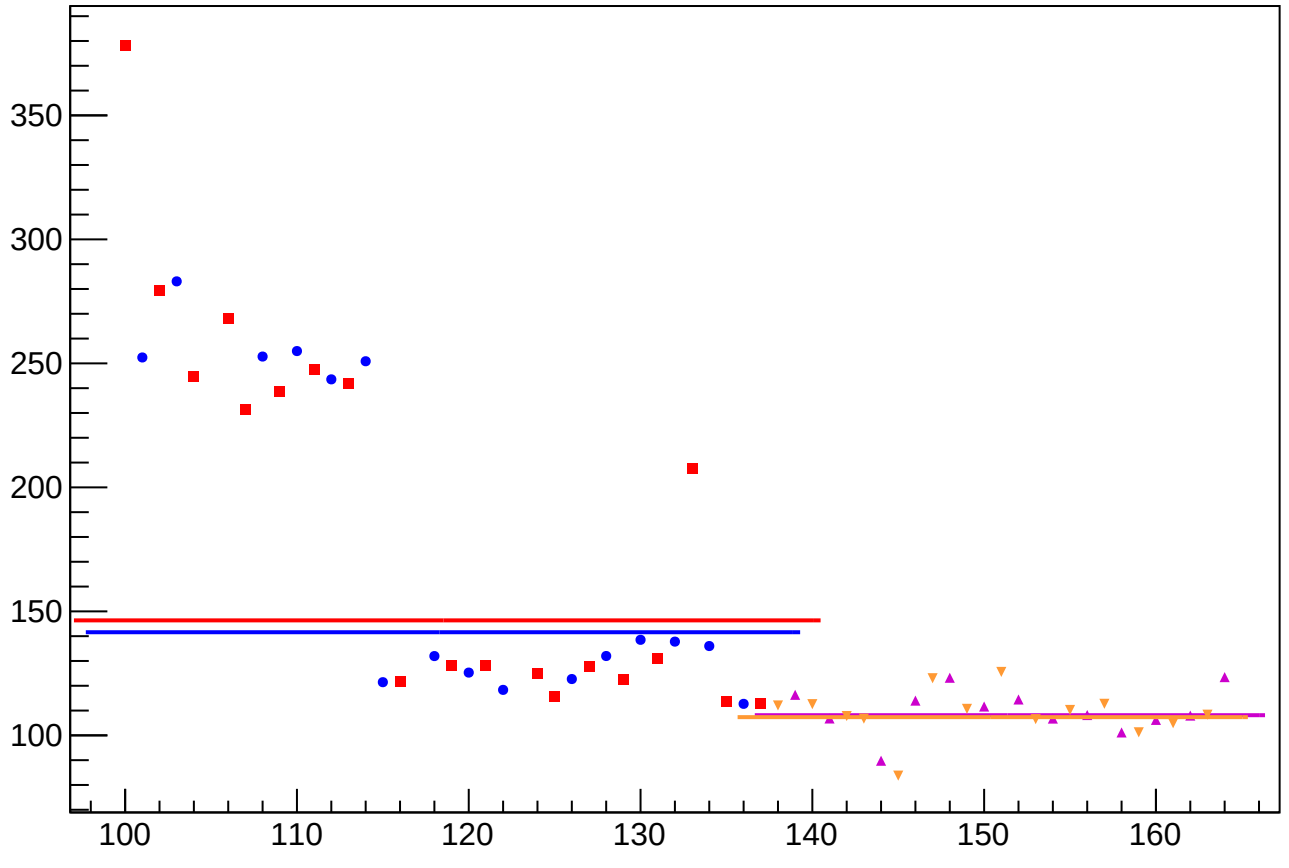
Left: 74.428+/-23.169 χ^2/NDF: 41.0/26

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 77.104+/-28.459 χ^2/NDF:35.2/28

Out: 64.501+/-28.176 χ^2/NDF:45.1/32

All: 70.740+/-20.023 χ^2/NDF: 80.3/61



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 107.346+/-0.023 χ^2/NDF:200045.1/13

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 108.132+/-0.023 χ^2/NDF:144658.2/12

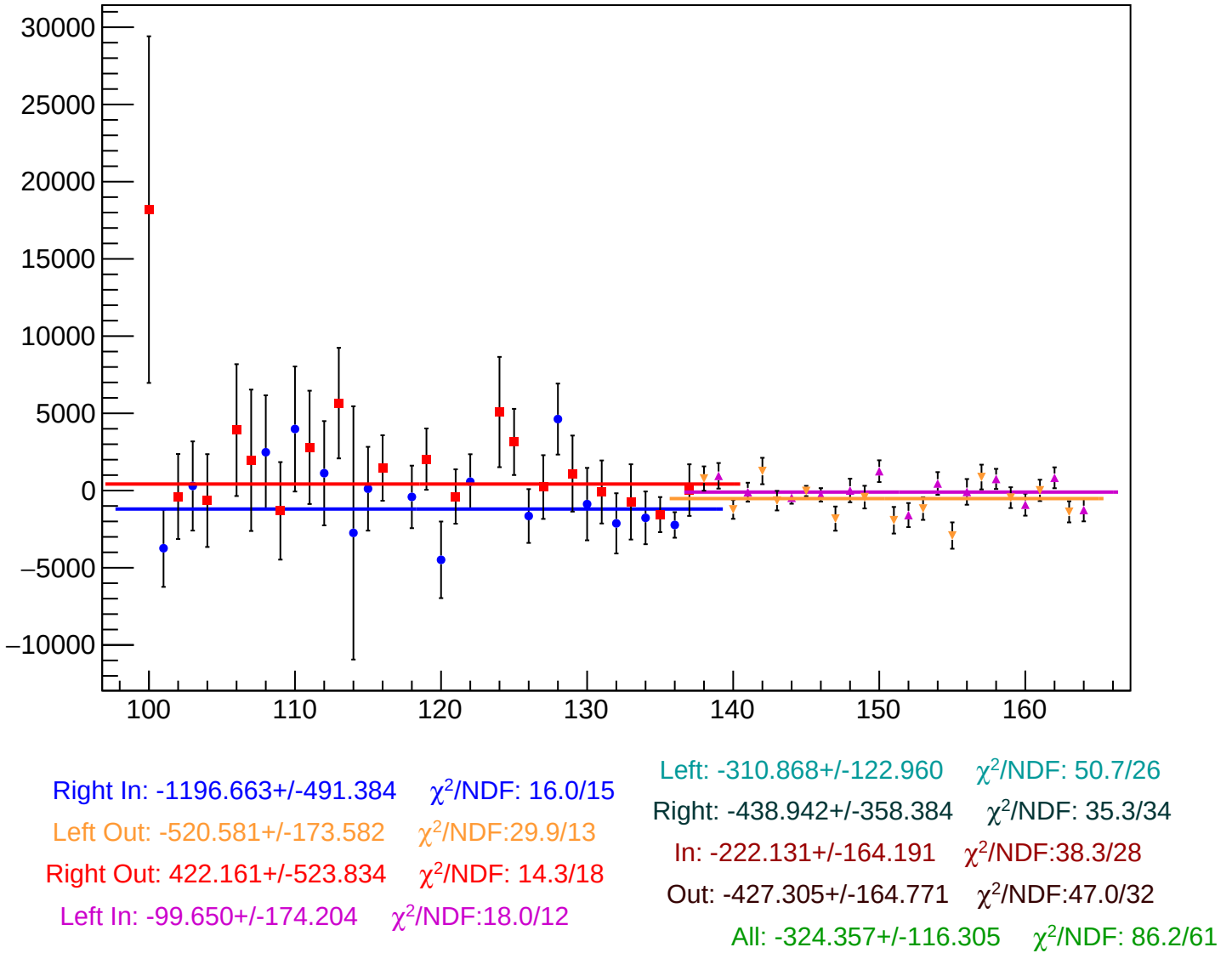
Left: 107.730+/-0.016 χ^2/NDF: 345279.4/26

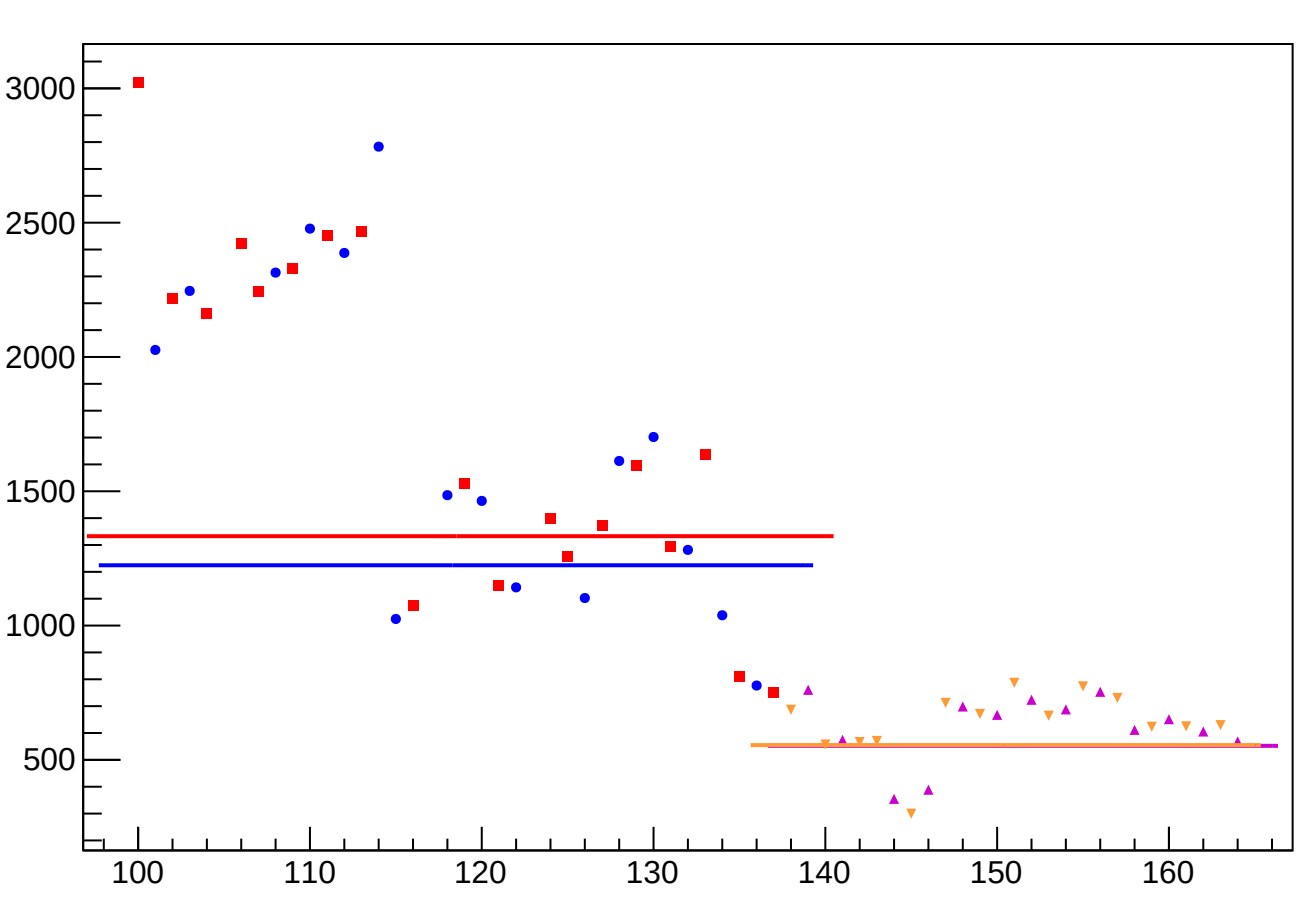
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 116.908+/-0.020 χ^2/NDF:1941829.6/28

Out: 116.876+/-0.020 χ^2/NDF:2421778.8/32

All: 116.892+/-0.014 χ^2/NDF: 4363609.7/61


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -520.581+/-173.582 χ²/NDF:29.9/13
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: -99.650+/-174.204 χ²/NDF:18.0/12
Left: -310.868+/-122.960 χ²/NDF: 50.7/26
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -222.131+/-164.191 χ²/NDF:38.3/28
Out: -427.305+/-164.771 χ²/NDF:47.0/32
All: -324.357+/-116.305 χ²/NDF: 86.2/61



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 554.929+/-0.123 χ^2/NDF:1840215.0/13

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 552.218+/-0.123 χ^2/NDF:1398621.7/12

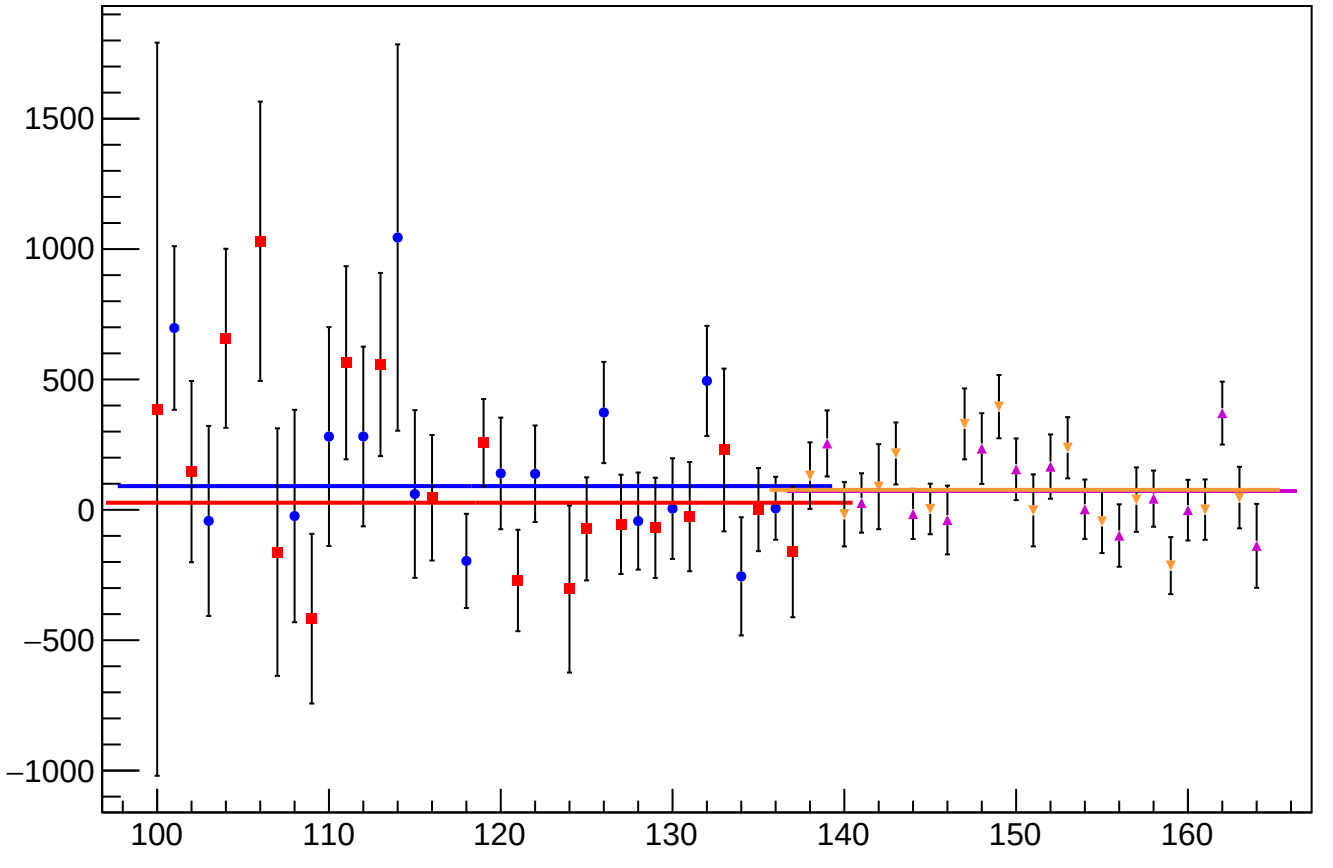
Left: 553.578+/-0.087 χ^2/NDF: 3239079.8/26

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 627.275+/-0.116 χ^2/NDF:6683327.9/28

Out: 631.891+/-0.117 χ^2/NDF:7808717.2/32

All: 629.575+/-0.082 χ^2/NDF: 14492832.6/61



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 76.564+/-32.410 χ^2/NDF:23.9/13

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 72.193+/-33.135 χ^2/NDF:17.0/12

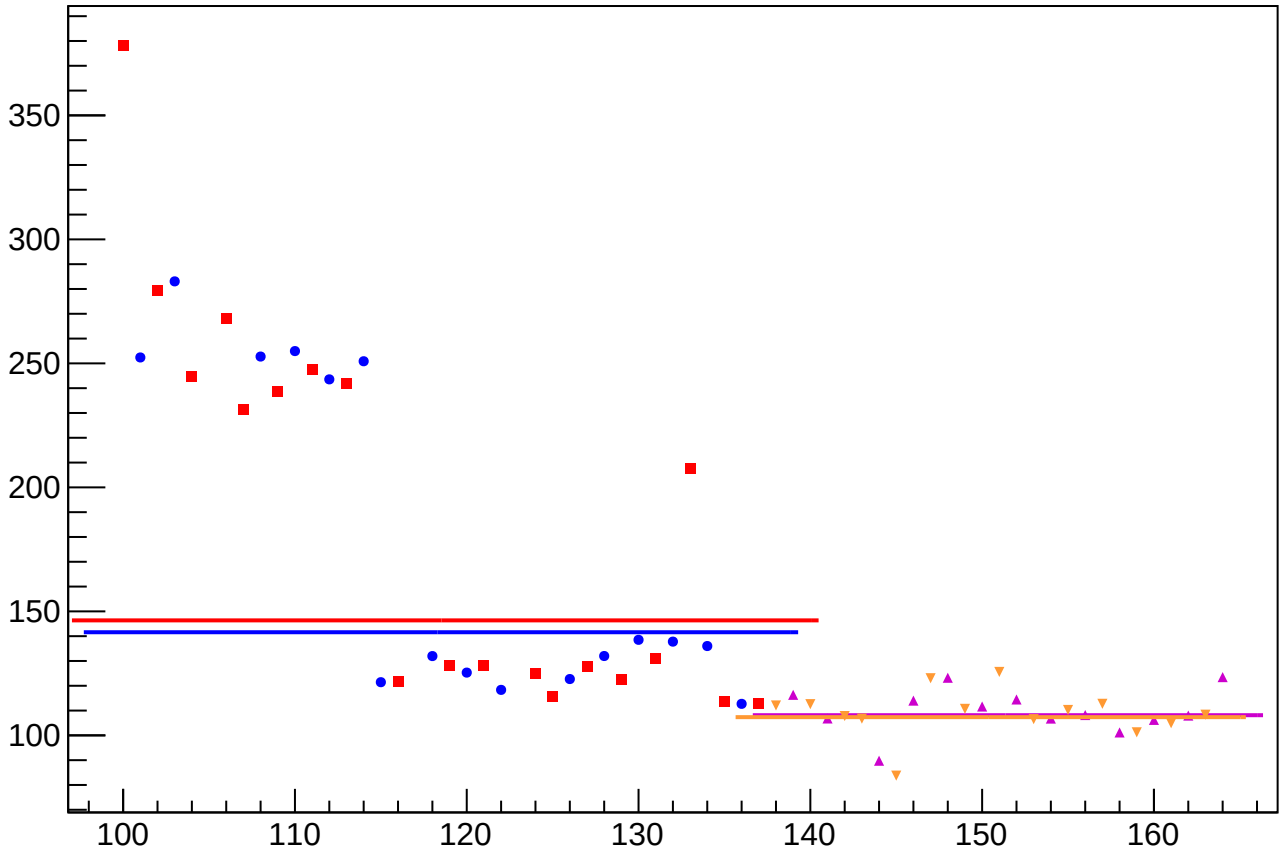
Left: 74.427+/-23.169 χ^2/NDF: 41.0/26

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 77.103+/-28.459 χ^2/NDF:35.2/28

Out: 64.501+/-28.176 χ^2/NDF:45.1/32

All: 70.739+/-20.023 χ^2/NDF: 80.3/61



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 107.346+/-0.023 χ^2/NDF:200038.0/13

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 108.133+/-0.023 χ^2/NDF:144657.5/12

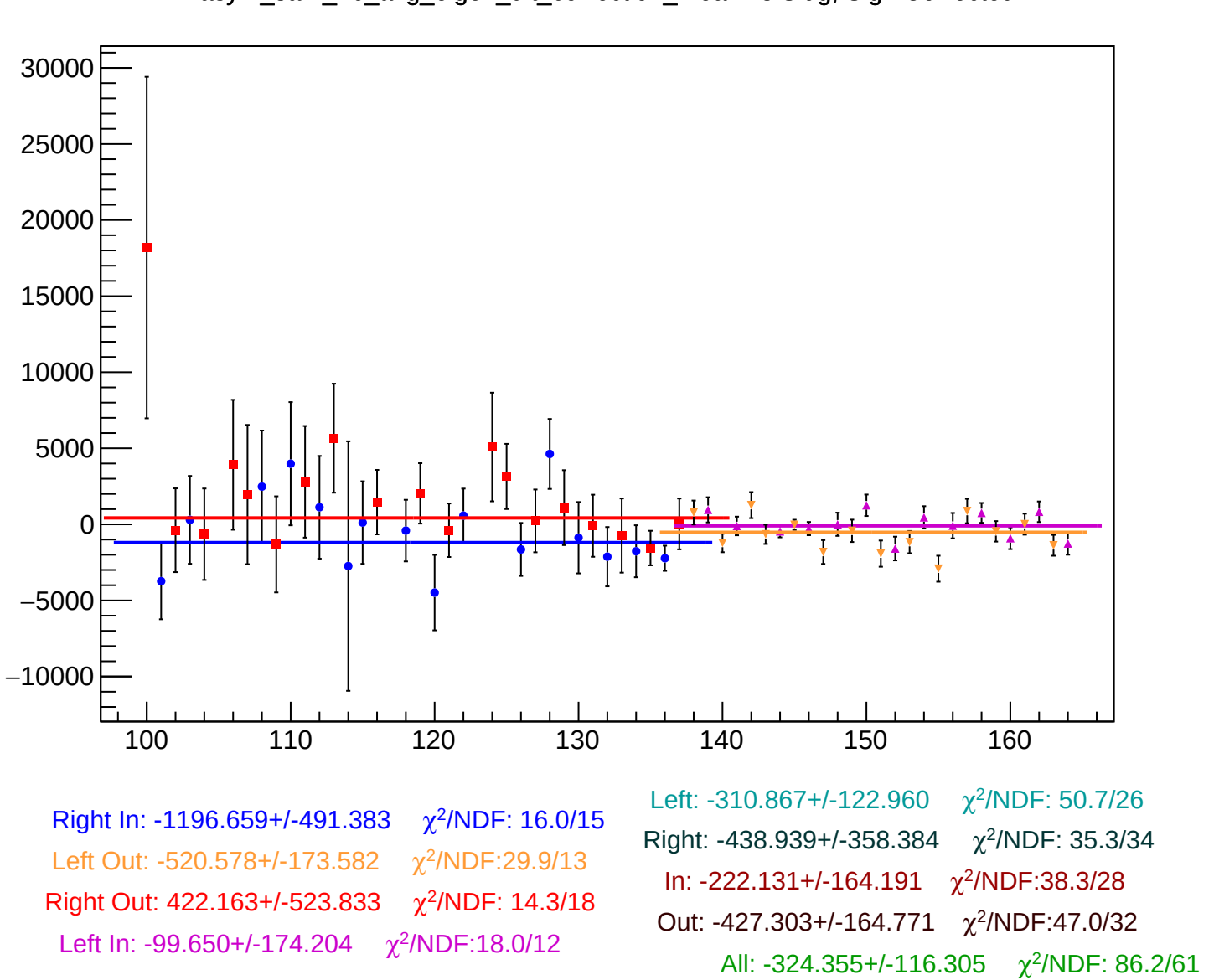
Left: 107.731+/-0.016 χ^2/NDF: 345271.6/26

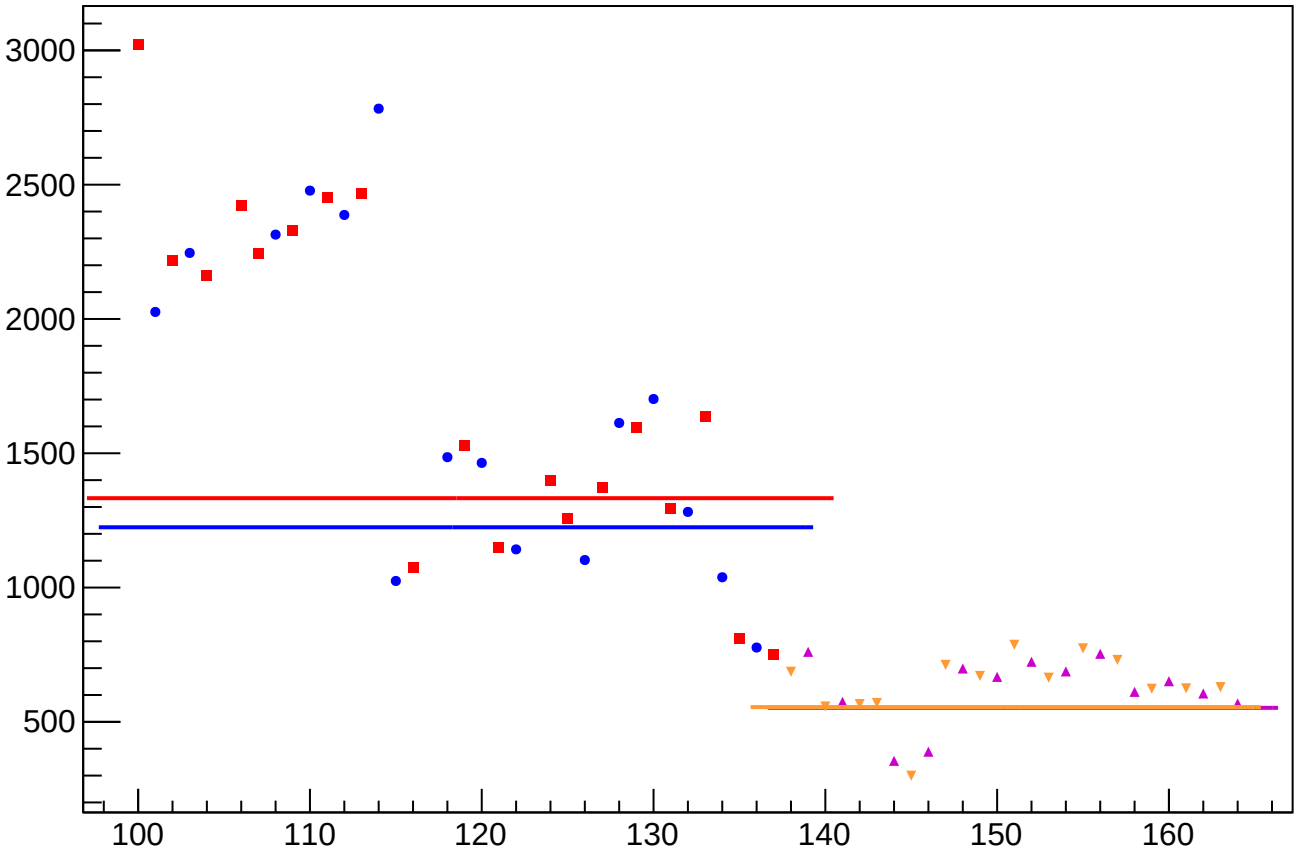
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

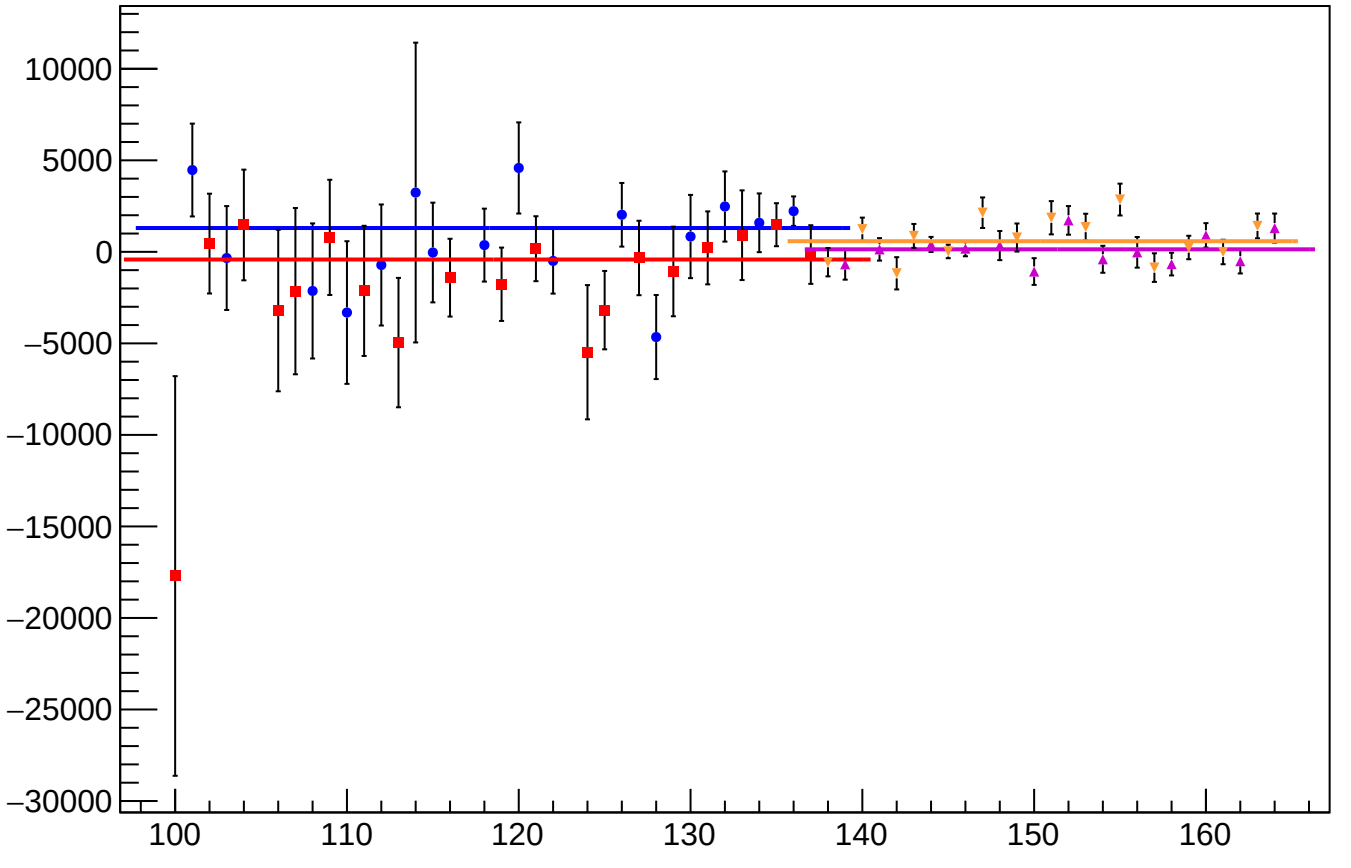
In: 116.908+/-0.020 χ^2/NDF:1941783.1/28

Out: 116.876+/-0.020 χ^2/NDF:2421733.0/32

All: 116.892+/-0.014 χ^2/NDF: 4363517.4/61


asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -1196.659+/-491.383 χ²/NDF: 16.0/15
Left Out: -520.578+/-173.582 χ²/NDF:29.9/13
Right Out: 422.163+/-523.833 χ²/NDF: 14.3/18
Left In: -99.650+/-174.204 χ²/NDF:18.0/12
Left: -310.867+/-122.960 χ²/NDF: 50.7/26
Right: -438.939+/-358.384 χ²/NDF: 35.3/34
In: -222.131+/-164.191 χ²/NDF:38.3/28
Out: -427.303+/-164.771 χ²/NDF:47.0/32
All: -324.355+/-116.305 χ²/NDF: 86.2/61


asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 1224.470+/-0.347 χ²/NDF: 1959341.1/15
Left Out: 554.927+/-0.123 χ²/NDF:1840264.4/13
Right Out: 1332.784+/-0.370 χ²/NDF: 1994794.3/18
Left In: 552.217+/-0.123 χ²/NDF:1398639.9/12
Left: 553.577+/-0.087 χ²/NDF: 3239147.1/26
Right: 1275.168+/-0.253 χ²/NDF: 3999620.7/34
In: 627.274+/-0.116 χ²/NDF:6683337.2/28
Out: 631.889+/-0.117 χ²/NDF:7808771.2/32
All: 629.573+/-0.082 χ²/NDF: 14492895.5/61



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 581.191+/-179.216 χ^2/NDF:29.2/13

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 138.474+/-174.729 χ^2/NDF:15.0/12

Left: 354.222+/-125.108 χ^2/NDF: 47.3/26

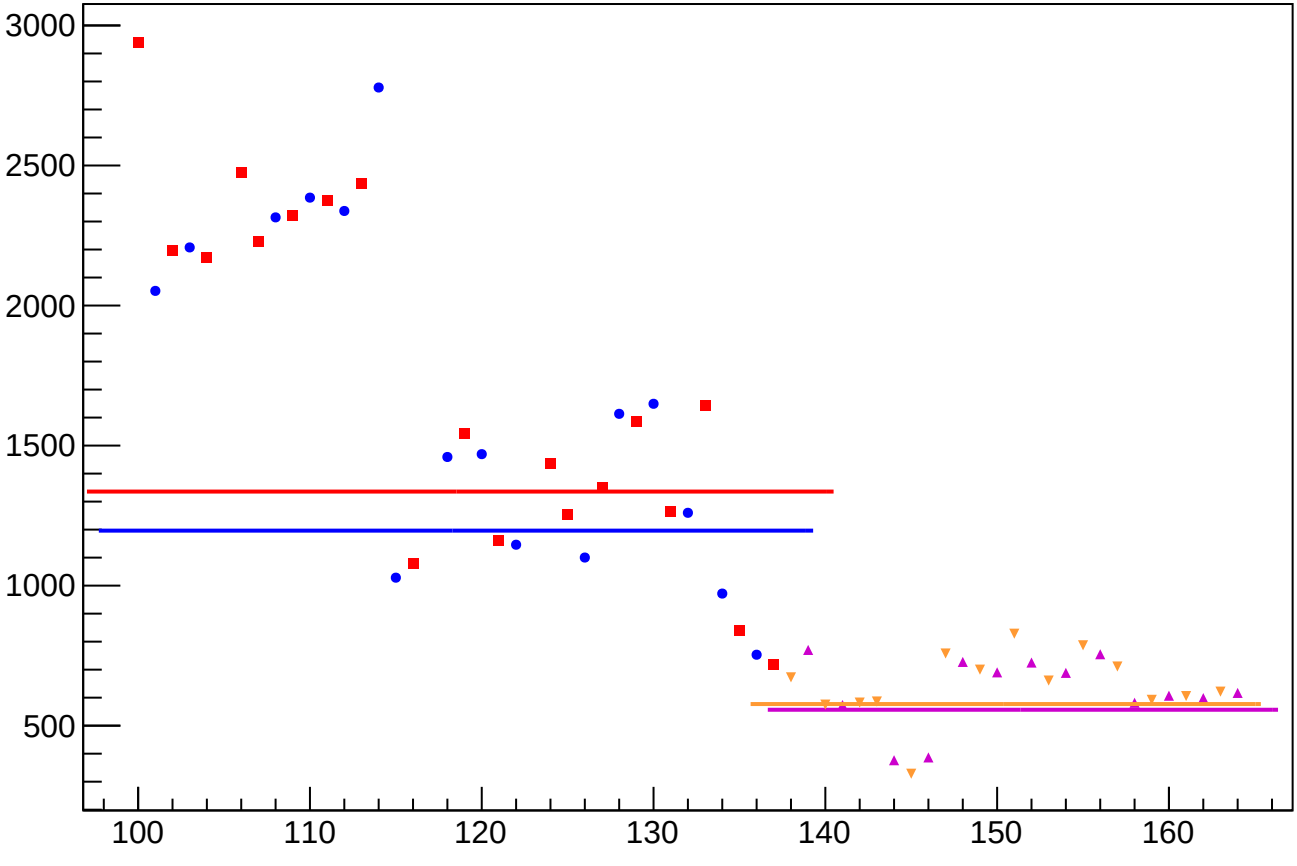
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 273.593+/-164.267 χ^2/NDF:36.6/28

Out: 476.706+/-169.589 χ^2/NDF:45.5/32

All: 371.912+/-117.991 χ^2/NDF: 82.8/61

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 577.181+/-0.127 χ^2/NDF:1443104.5/13

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 556.800+/-0.124 χ^2/NDF:1308536.6/12

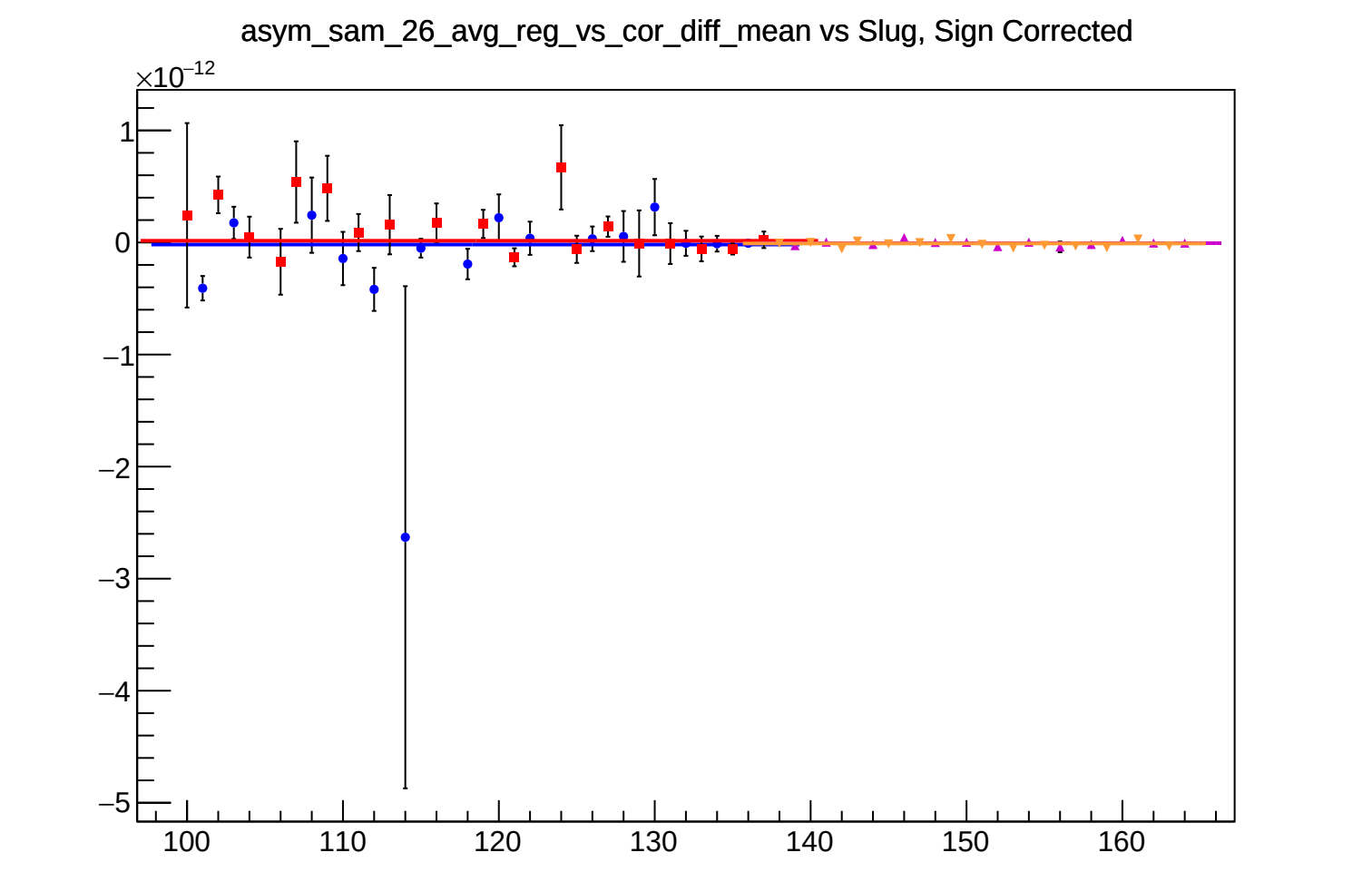
Left: 566.732+/-0.088 χ^2/NDF: 2764902.0/26

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 631.095+/-0.116 χ^2/NDF:6452923.6/28

Out: 656.488+/-0.120 χ^2/NDF:7141010.9/32

All: 643.386+/-0.083 χ^2/NDF: 13617068.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/12

Left: -0.000+/-0.000 χ^2/NDF: 27.0/26

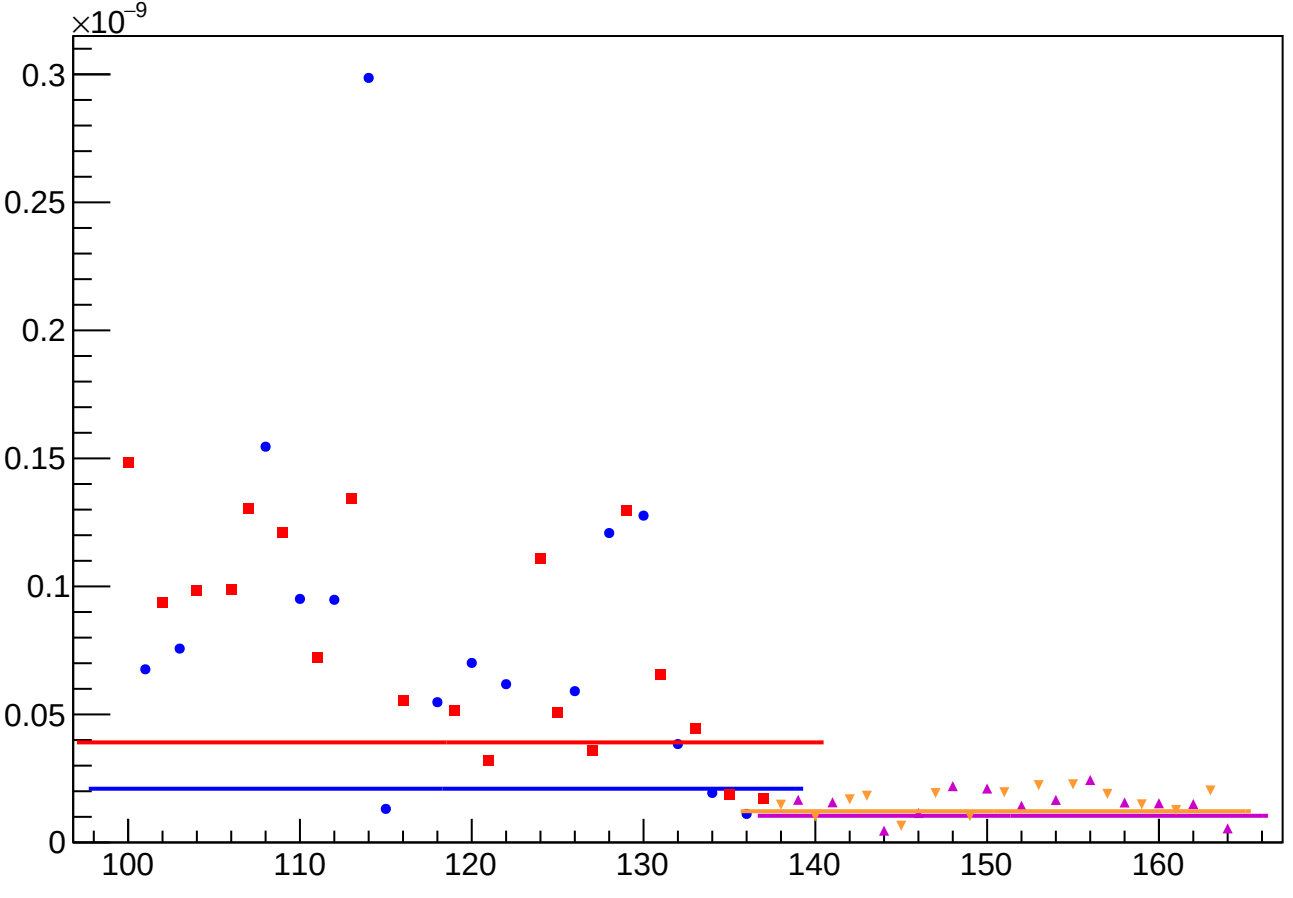
Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:39.7/28

Out: -0.000+/-0.000 χ^2/NDF:40.7/32

All: -0.000+/-0.000 χ^2/NDF: 80.5/61

asym_sam_26_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1469639.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2009824.6/12

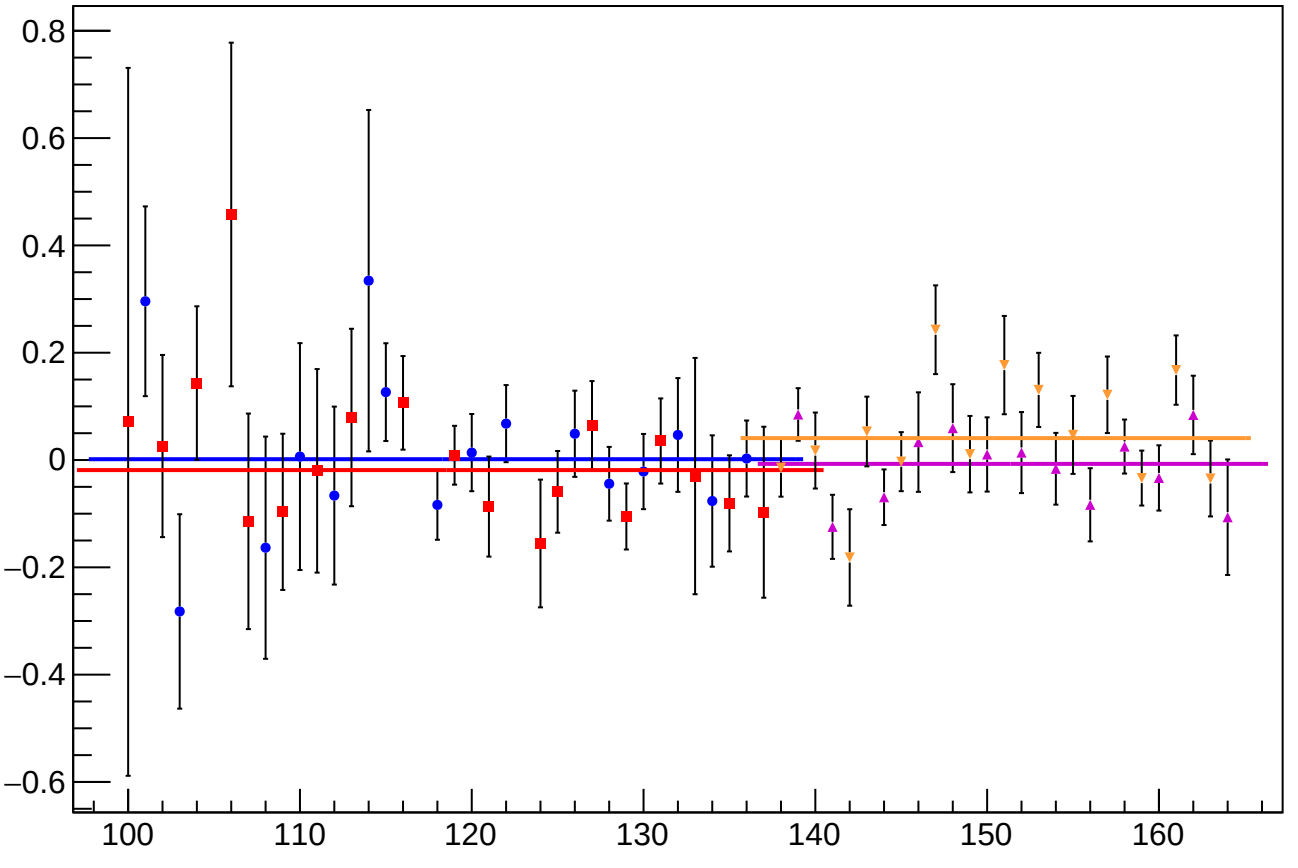
Left: 0.000+/-0.000 χ^2/NDF: 3566368.7/26

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6026015.4/28

Out: 0.000+/-0.000 χ^2/NDF:5351628.3/32

All: 0.000+/-0.000 χ^2/NDF: 11499730.2/61



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.007+/-0.018 χ^2/NDF:14.1/12

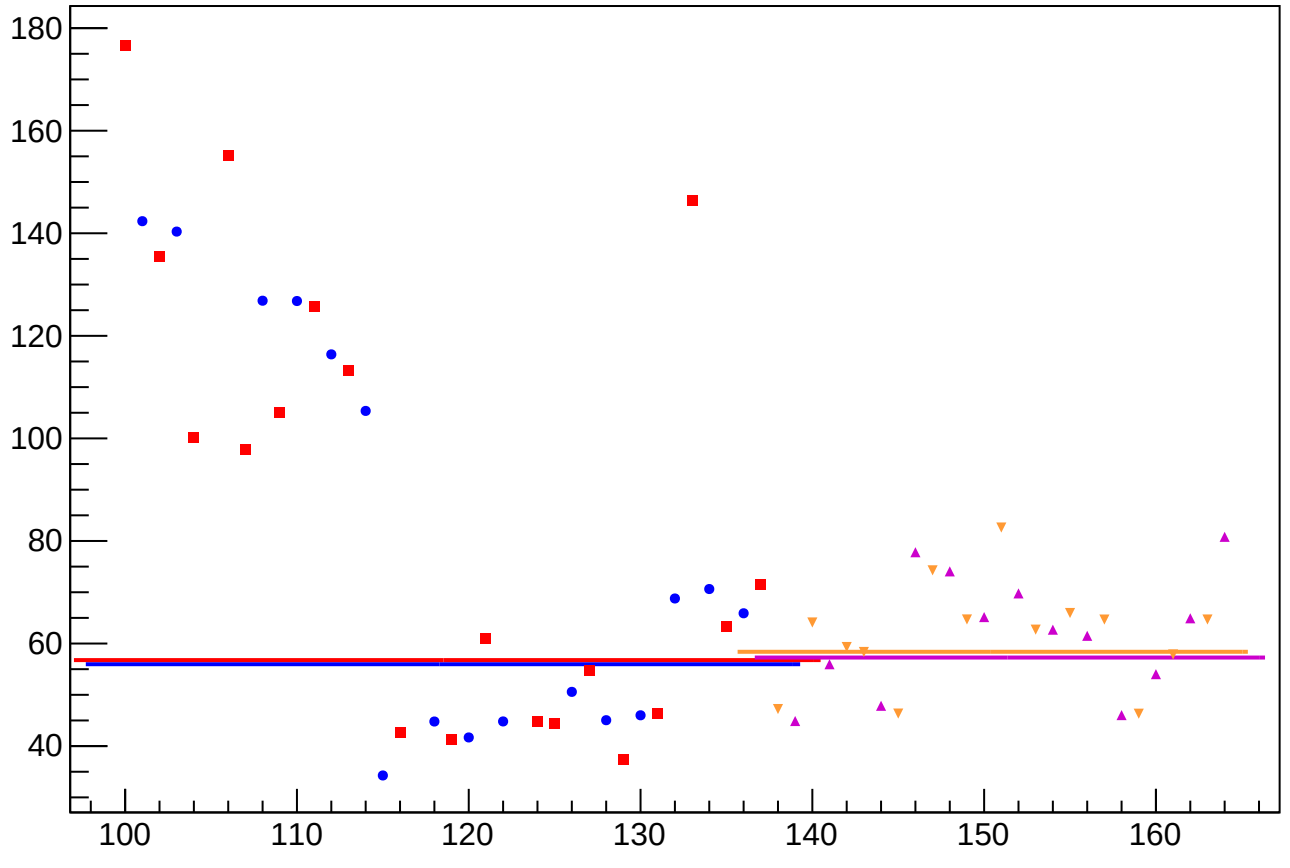
Left: 0.017+/-0.013 χ^2/NDF: 44.0/26

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.004+/-0.014 χ^2/NDF:27.3/28

Out: 0.019+/-0.014 χ^2/NDF:43.5/32

All: 0.007+/-0.010 χ^2/NDF: 72.1/61



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 58.391+/-0.013 χ^2/NDF:595973.6/13

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.267+/-0.013 χ^2/NDF:701160.5/12

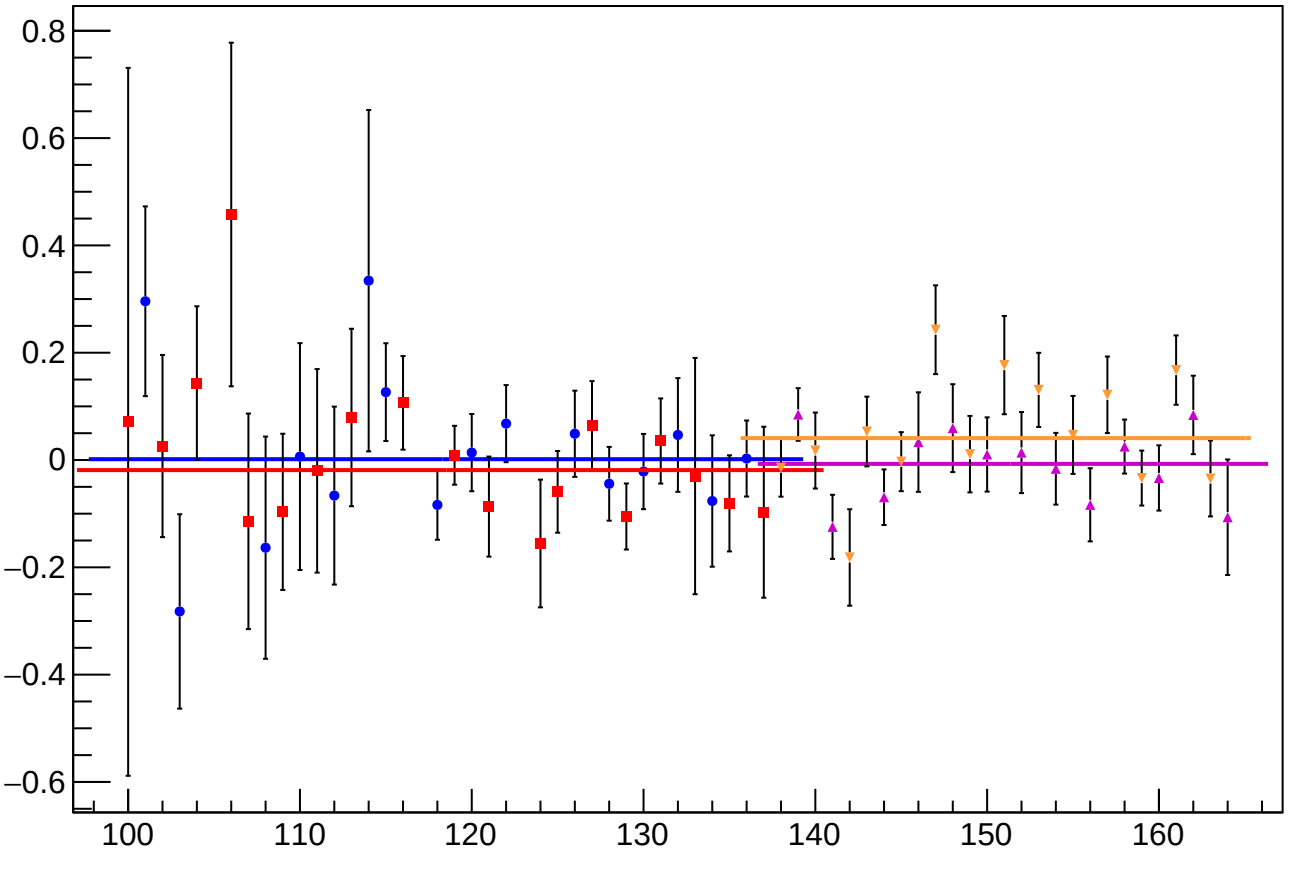
Left: 57.831+/-0.009 χ^2/NDF: 1301052.6/26

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.786+/-0.010 χ^2/NDF:2884863.2/28

Out: 57.795+/-0.010 χ^2/NDF:3155204.3/32

All: 57.291+/-0.007 χ^2/NDF: 6045080.3/61



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.007+/-0.018 χ^2/NDF:14.1/12

Left: 0.017+/-0.013 χ^2/NDF: 44.0/26

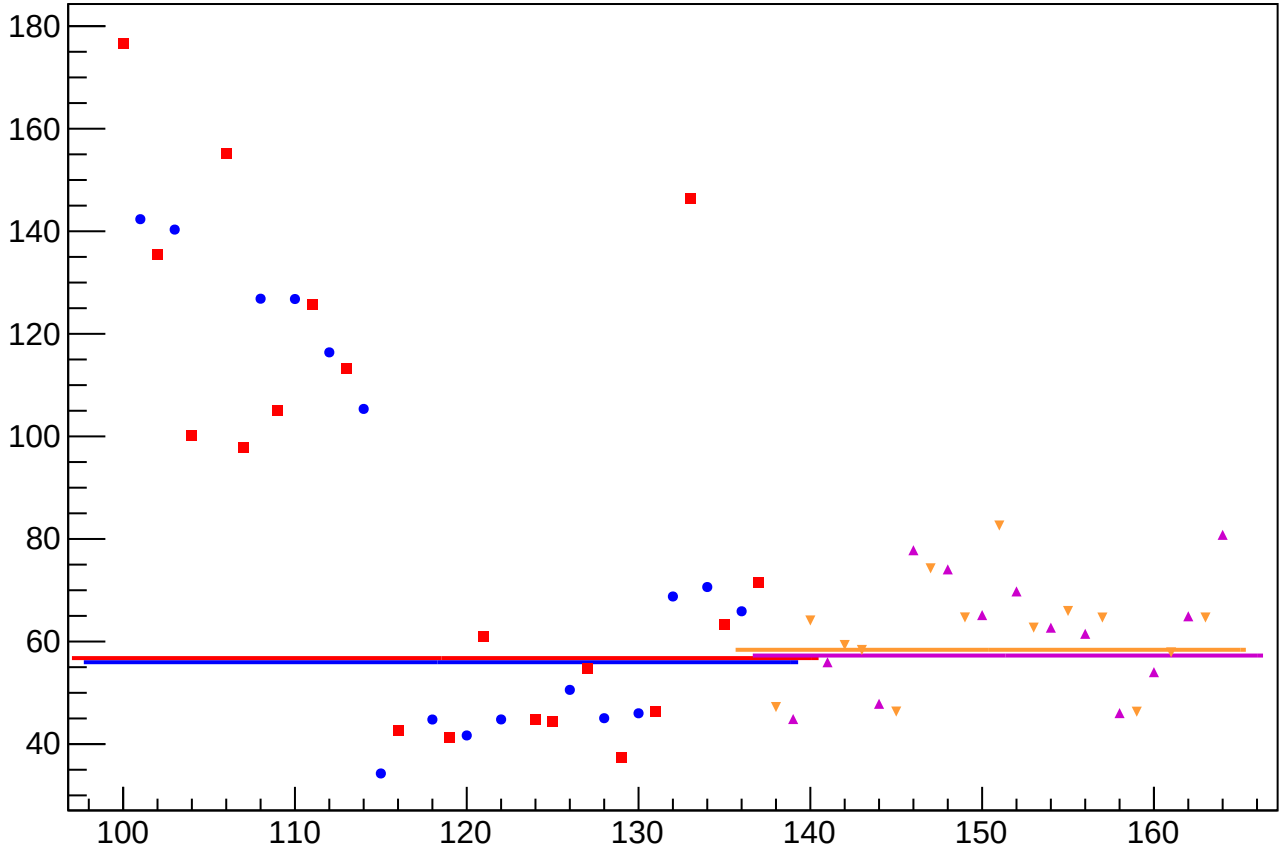
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.004+/-0.014 χ^2/NDF:27.3/28

Out: 0.019+/-0.014 χ^2/NDF:43.5/32

All: 0.007+/-0.010 χ^2/NDF: 72.1/61

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 58.391+/-0.013 χ^2/NDF:595973.6/13

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.267+/-0.013 χ^2/NDF:701160.5/12

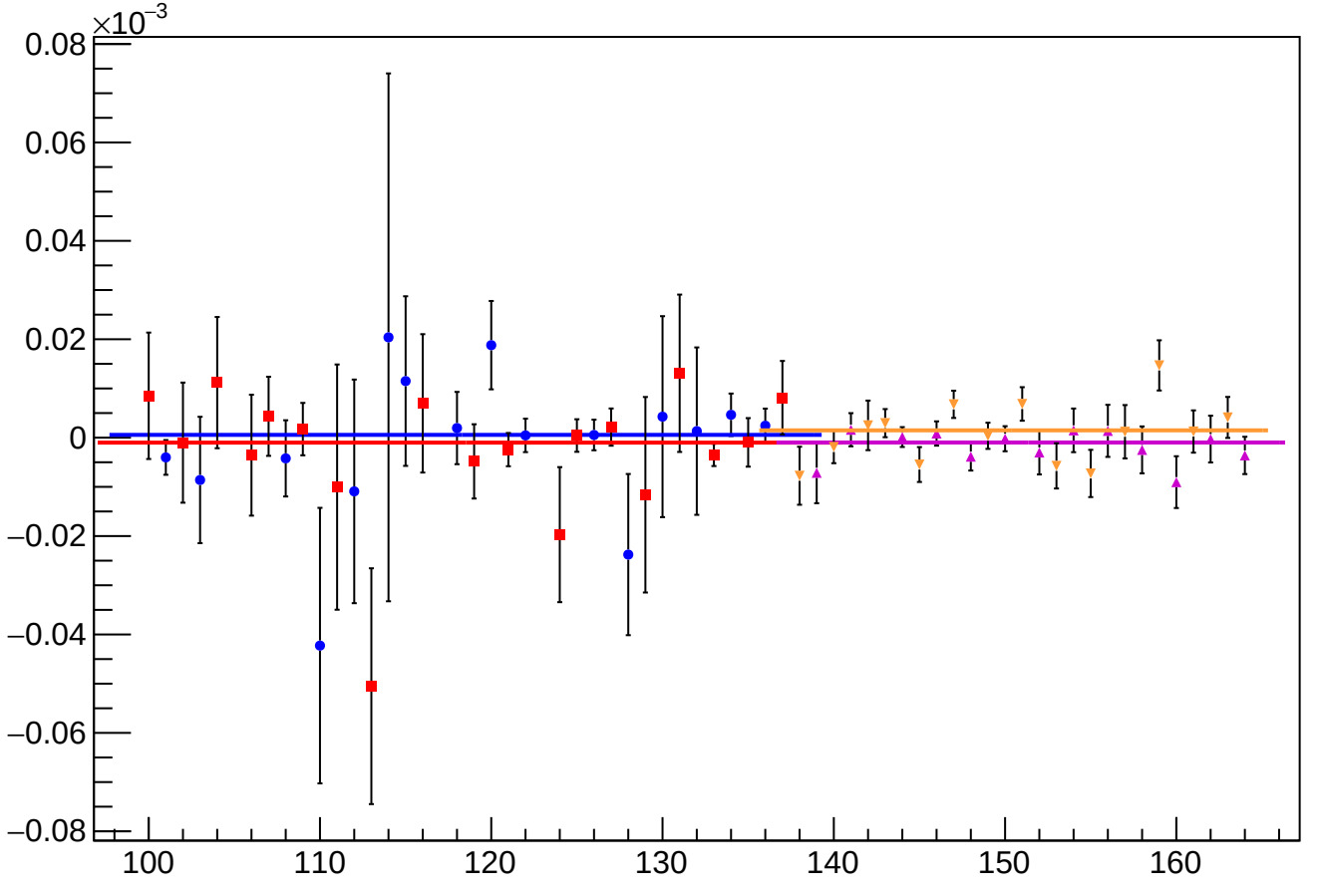
Left: 57.831+/-0.009 χ^2/NDF: 1301052.6/26

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.786+/-0.010 χ^2/NDF:2884863.2/28

Out: 57.795+/-0.010 χ^2/NDF:3155204.3/32

All: 57.291+/-0.007 χ^2/NDF: 6045080.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/12

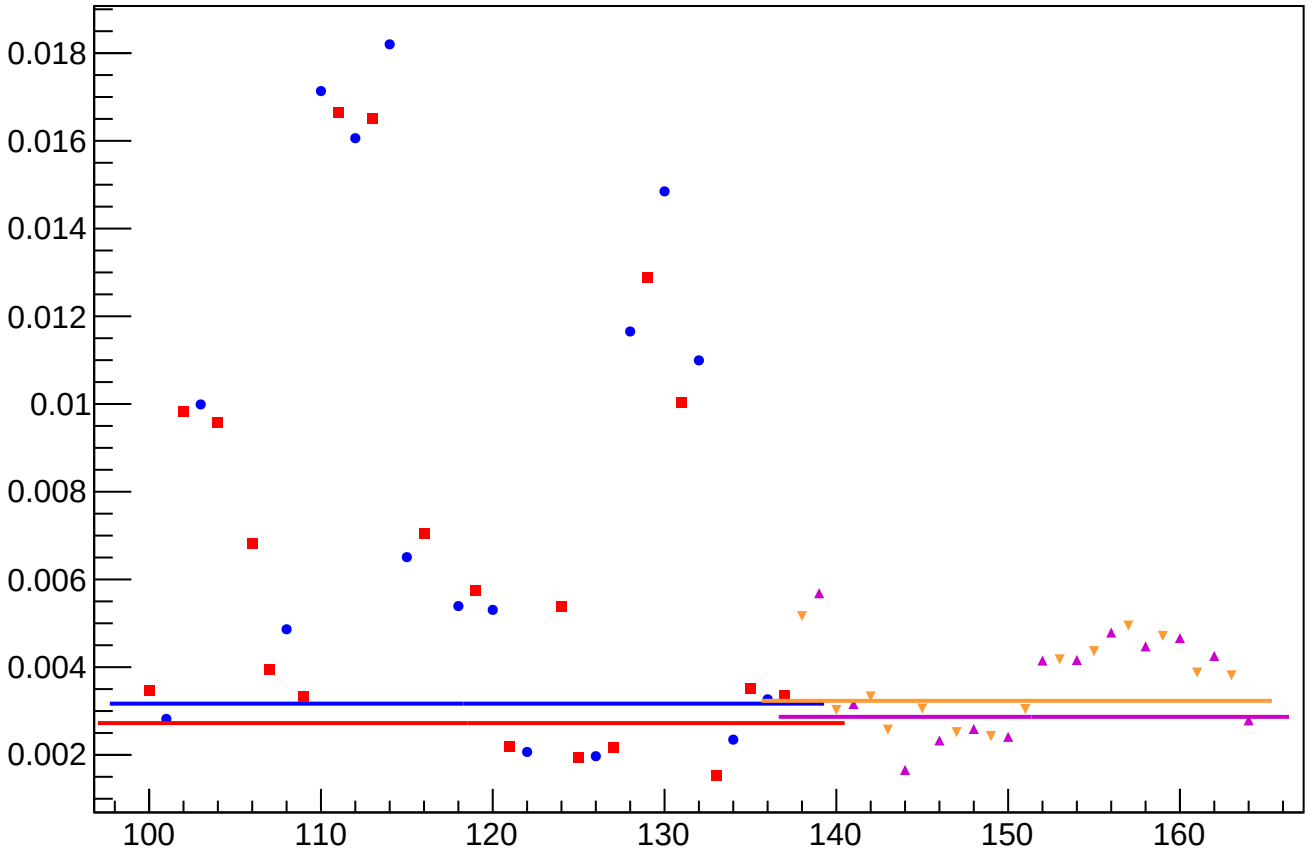
Left: 0.000+/-0.000 χ^2/NDF: 37.3/26

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:21.3/28

Out: 0.000+/-0.000 χ^2/NDF:43.0/32

All: 0.000+/-0.000 χ^2/NDF: 65.2/61



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1304334.8/13

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2559566.2/12

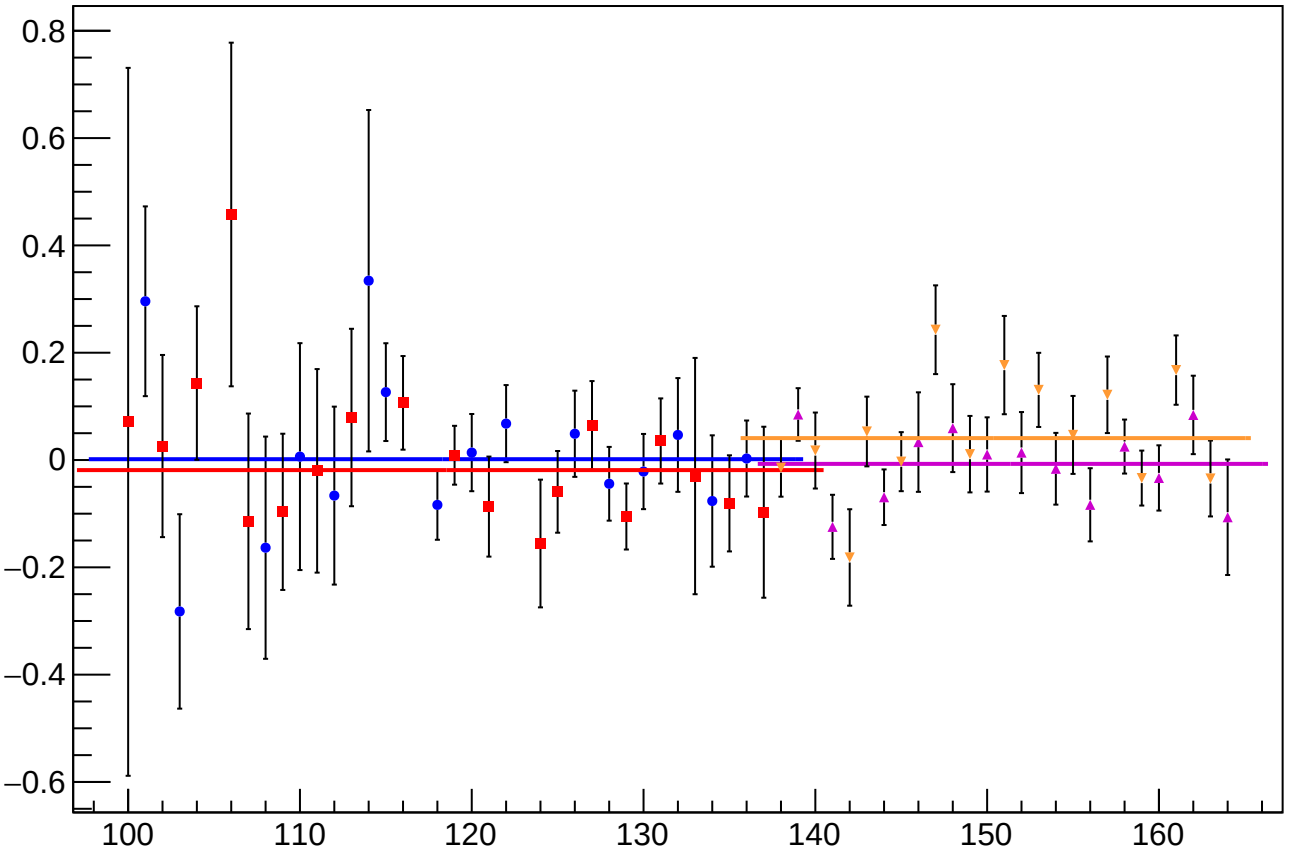
Left: 0.003+/-0.000 χ^2/NDF: 4005516.0/26

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7166098.6/28

Out: 0.003+/-0.000 χ^2/NDF:6654068.5/32

All: 0.003+/-0.000 χ^2/NDF: 13830991.5/61



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.007+/-0.018 χ^2/NDF:14.1/12

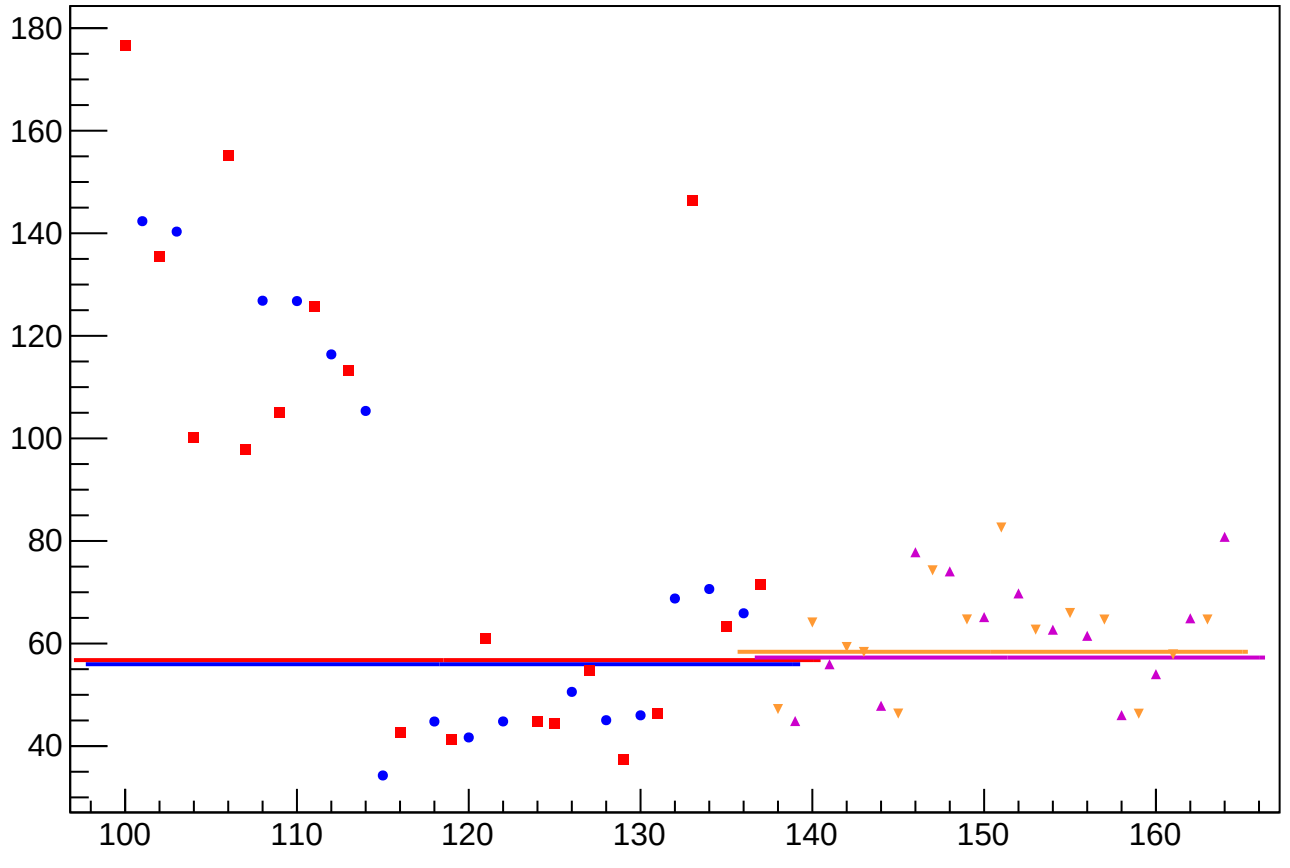
Left: 0.017+/-0.013 χ^2/NDF: 44.0/26

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.004+/-0.014 χ^2/NDF:27.3/28

Out: 0.019+/-0.014 χ^2/NDF:43.5/32

All: 0.007+/-0.010 χ^2/NDF: 72.1/61



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 58.391+/-0.013 χ^2/NDF:595969.6/13

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 57.268+/-0.013 χ^2/NDF:701162.9/12

Left: 57.831+/-0.009 χ^2/NDF: 1301050.7/26

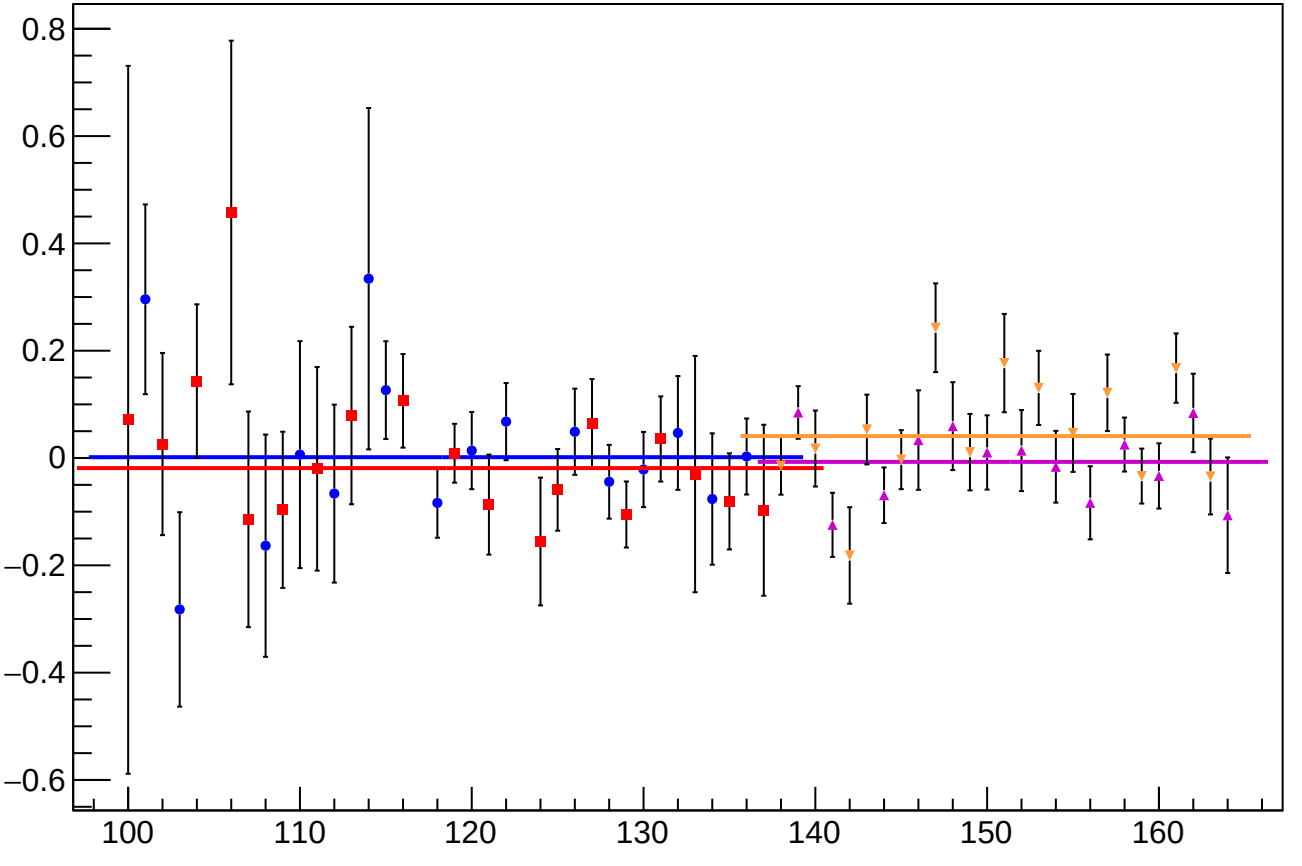
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.786+/-0.010 χ^2/NDF:2884798.9/28

Out: 57.795+/-0.010 χ^2/NDF:3155152.9/32

All: 57.291+/-0.007 χ^2/NDF: 6044963.8/61

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.007+/-0.018 χ^2/NDF:14.1/12

Left: 0.017+/-0.013 χ^2/NDF: 44.0/26

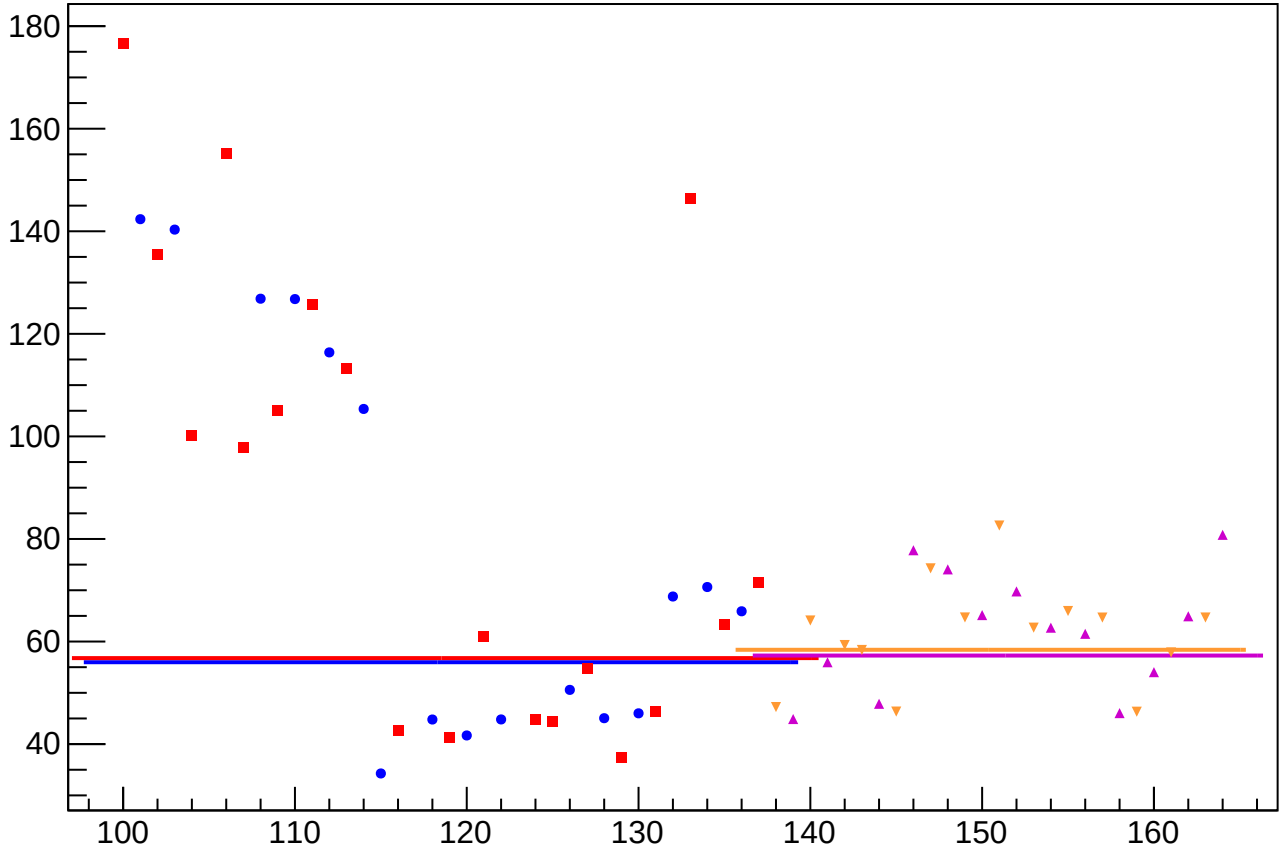
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.004+/-0.014 χ^2/NDF:27.3/28

Out: 0.019+/-0.014 χ^2/NDF:43.5/32

All: 0.007+/-0.010 χ^2/NDF: 72.1/61

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 58.391+/-0.013 χ^2/NDF:595969.6/13

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 57.268+/-0.013 χ^2/NDF:701162.9/12

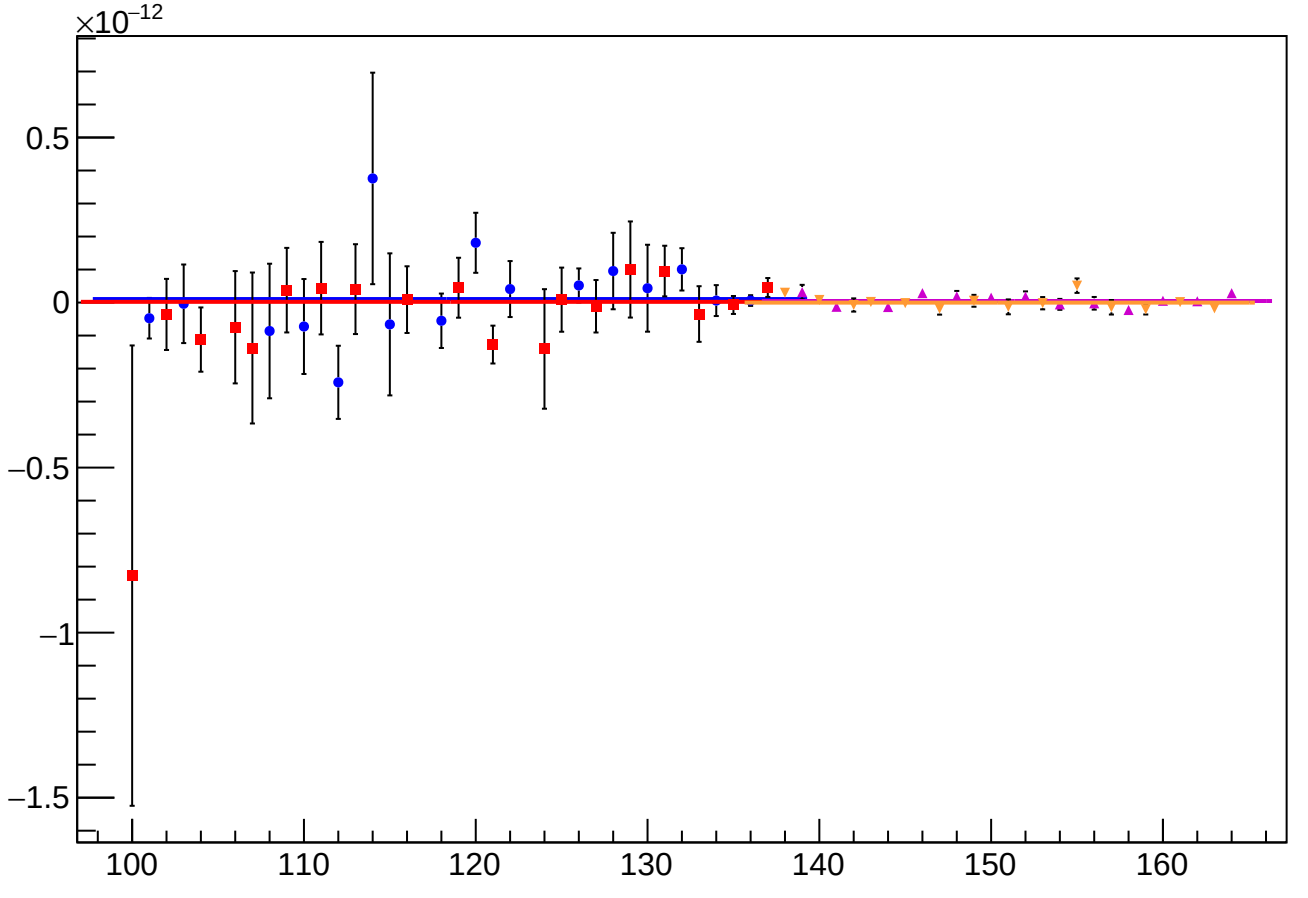
Left: 57.831+/-0.009 χ^2/NDF: 1301050.7/26

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.786+/-0.010 χ^2/NDF:2884798.9/28

Out: 57.795+/-0.010 χ^2/NDF:3155152.9/32

All: 57.291+/-0.007 χ^2/NDF: 6044963.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:27.2/12

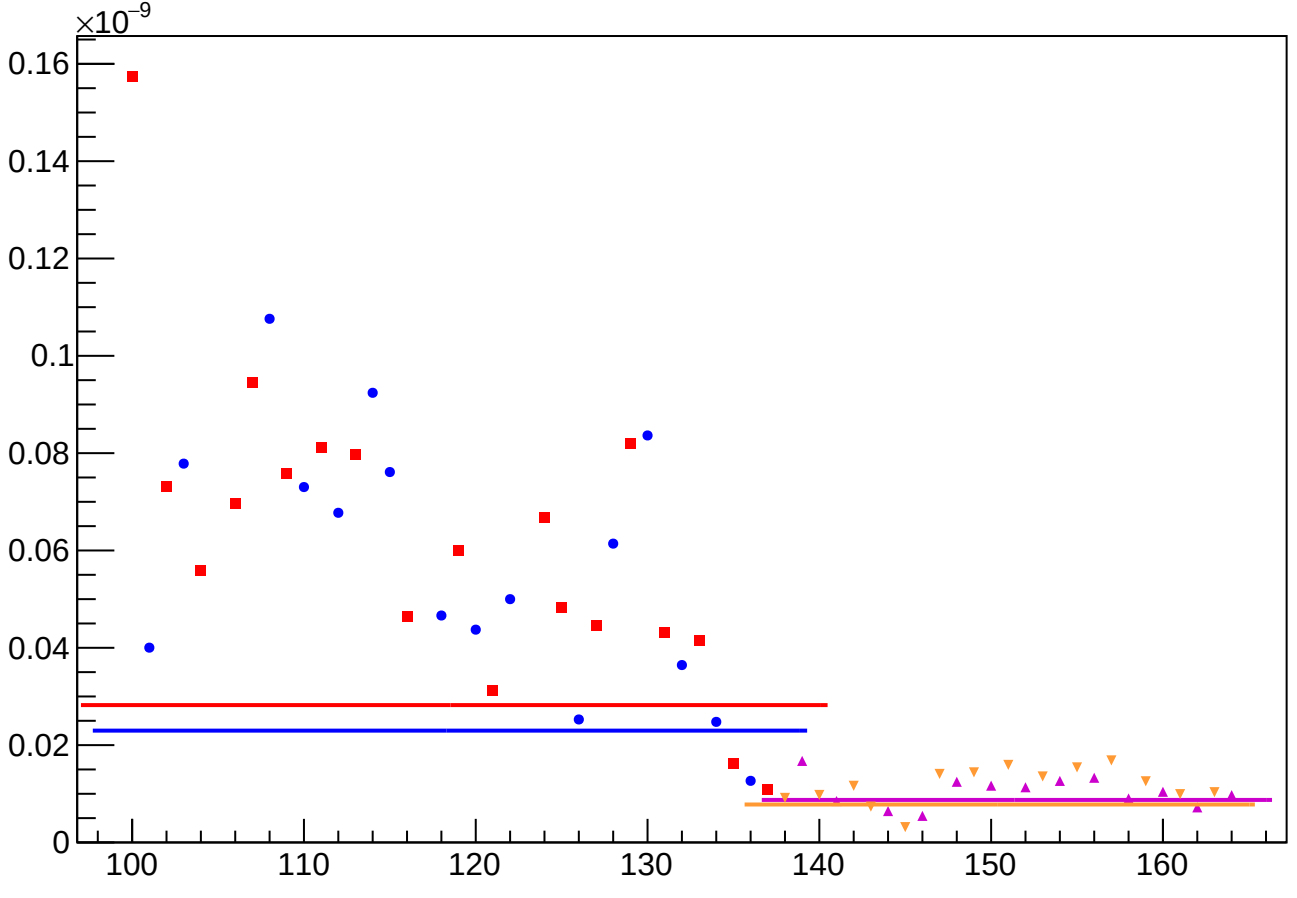
Left: 0.000+/-0.000 χ^2/NDF: 44.8/26

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:43.1/28

Out: -0.000+/-0.000 χ^2/NDF:30.7/32

All: 0.000+/-0.000 χ^2/NDF: 75.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3666546.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1266271.8/12

Left: 0.000+/-0.000 χ^2/NDF: 5010604.5/26

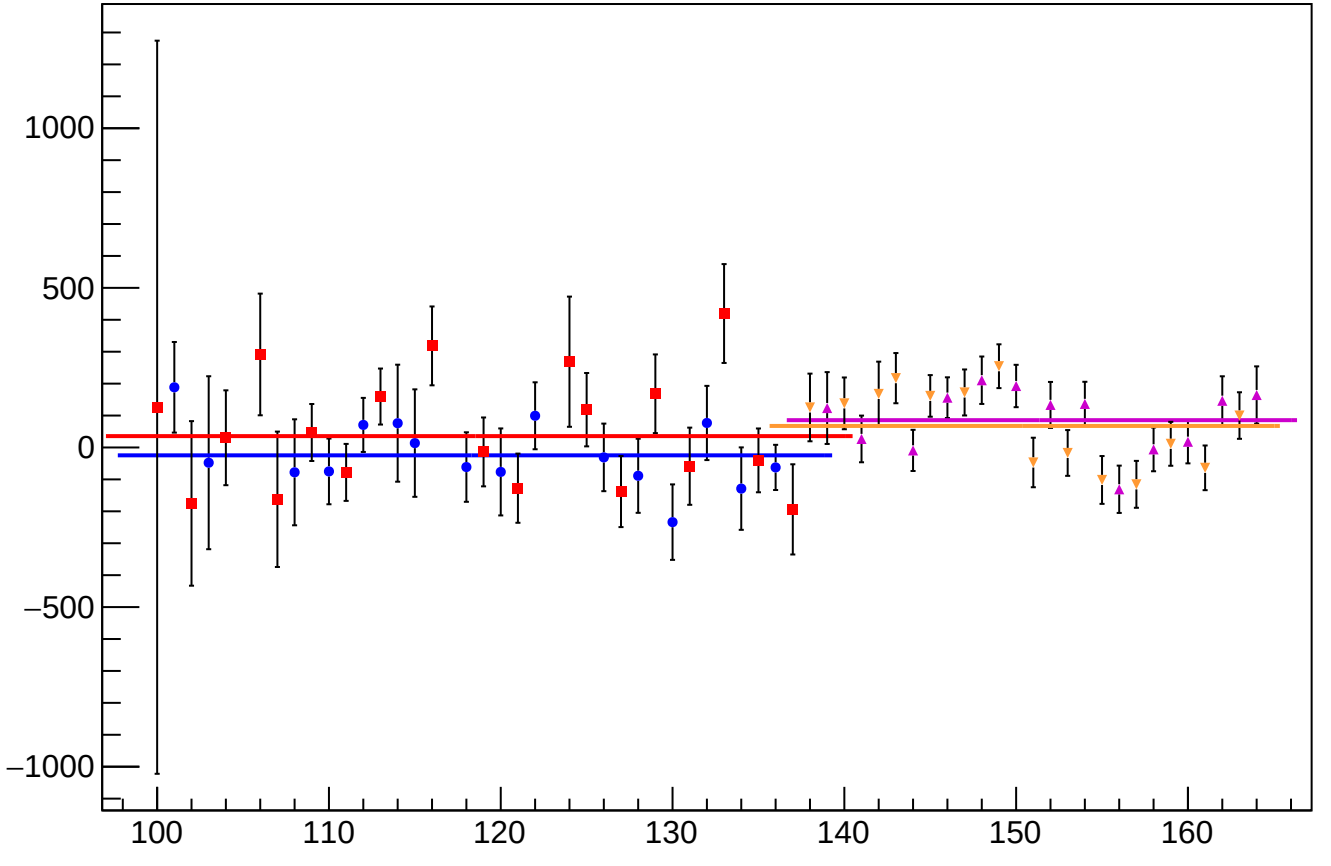
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:7251374.1/28

Out: 0.000+/-0.000 χ^2/NDF:10811890.3/32

All: 0.000+/-0.000 χ^2/NDF: 18159590.8/61

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 67.442+/-20.127 χ^2/NDF:36.6/13

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 85.547+/-20.122 χ^2/NDF:23.3/12

Left: 76.497+/-14.230 χ^2/NDF: 60.2/26

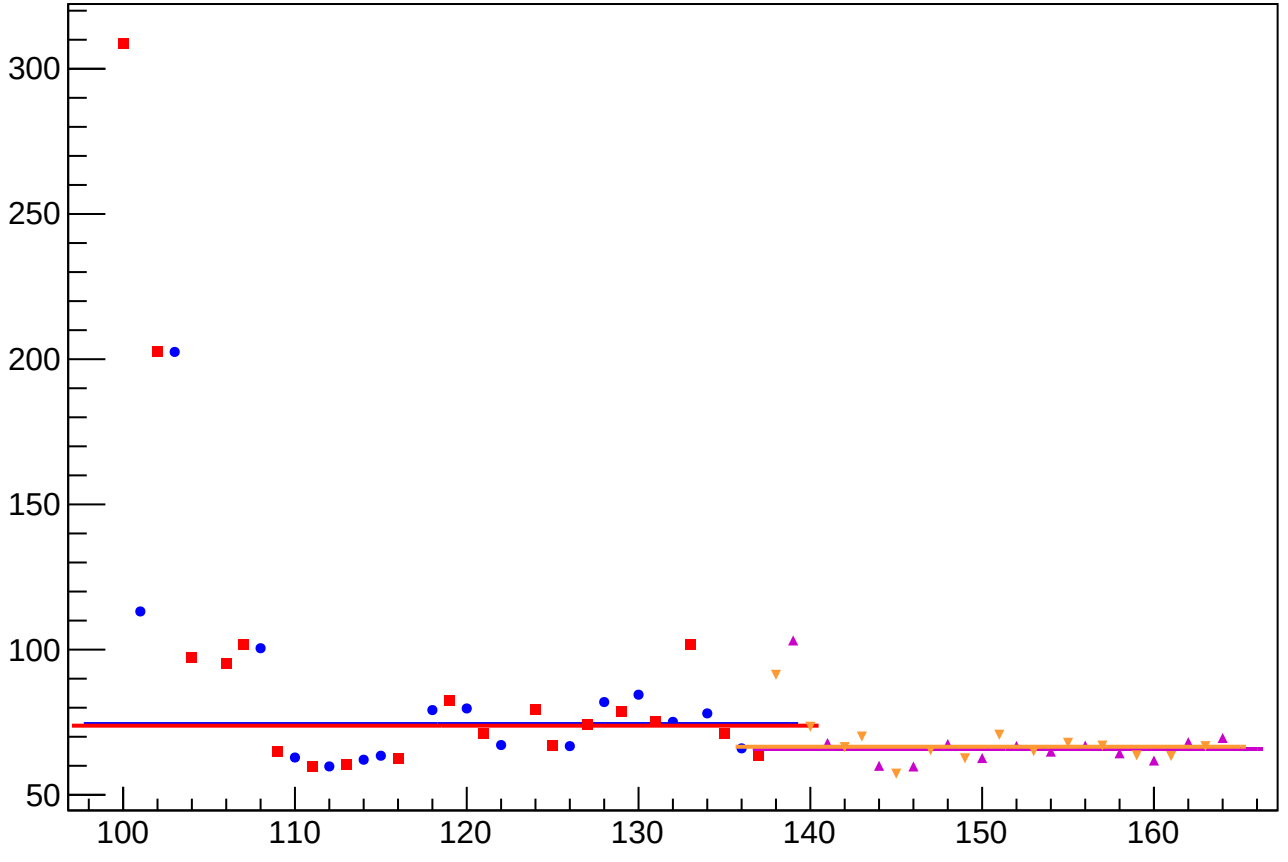
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 49.595+/-16.516 χ^2/NDF:44.1/28

Out: 56.817+/-16.432 χ^2/NDF:67.5/32

All: 53.225+/-11.649 χ^2/NDF: 111.6/61

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 66.560+/-0.014 χ^2/NDF:190571.8/13

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.785+/-0.014 χ^2/NDF:276202.3/12

Left: 66.172+/-0.010 χ^2/NDF: 468260.5/26

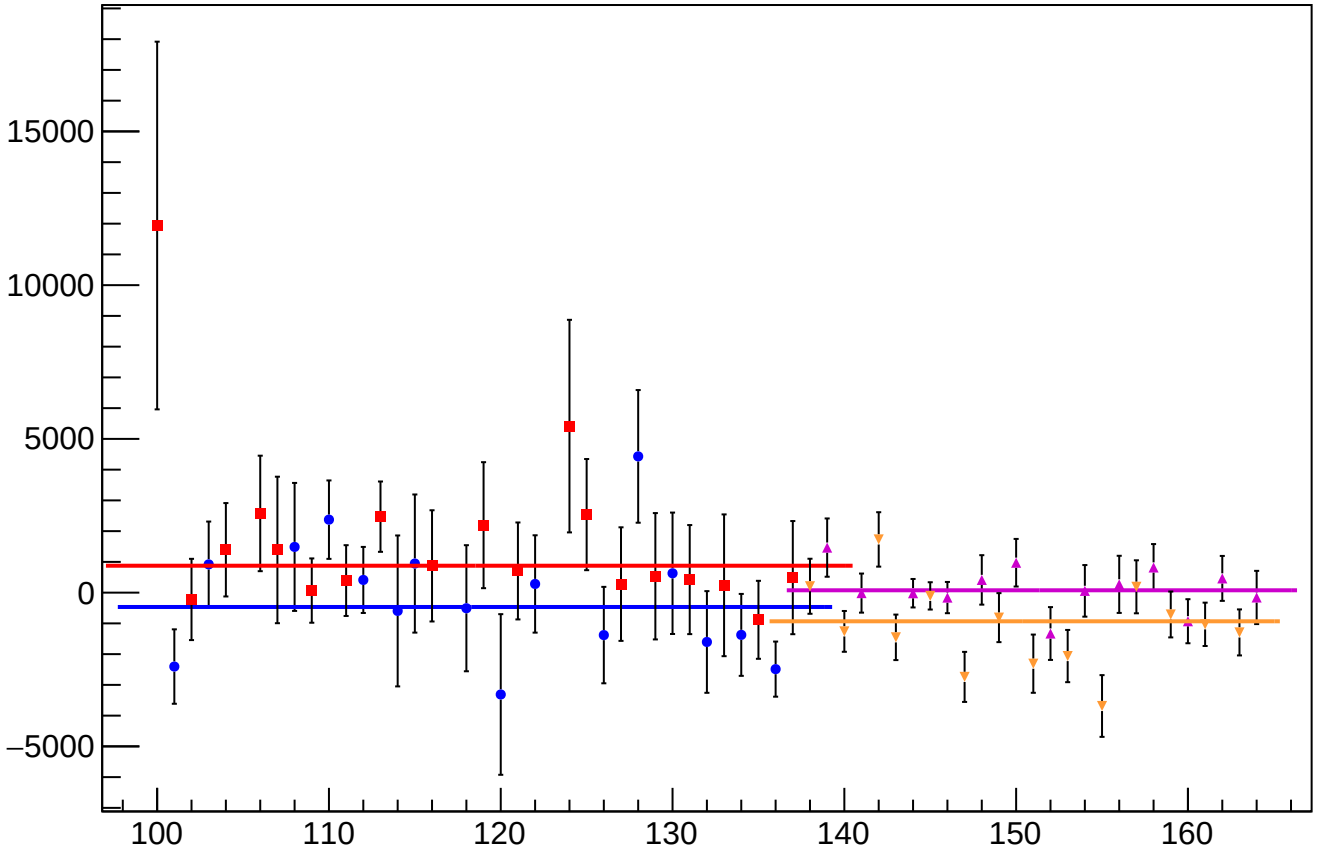
Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 68.586+/-0.012 χ^2/NDF:1222565.5/28

Out: 68.980+/-0.012 χ^2/NDF:1209170.4/32

All: 68.784+/-0.008 χ^2/NDF: 2432307.6/61

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: -931.966+/-199.146 χ^2/NDF:33.3/13

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 76.399+/-195.525 χ^2/NDF:9.9/12

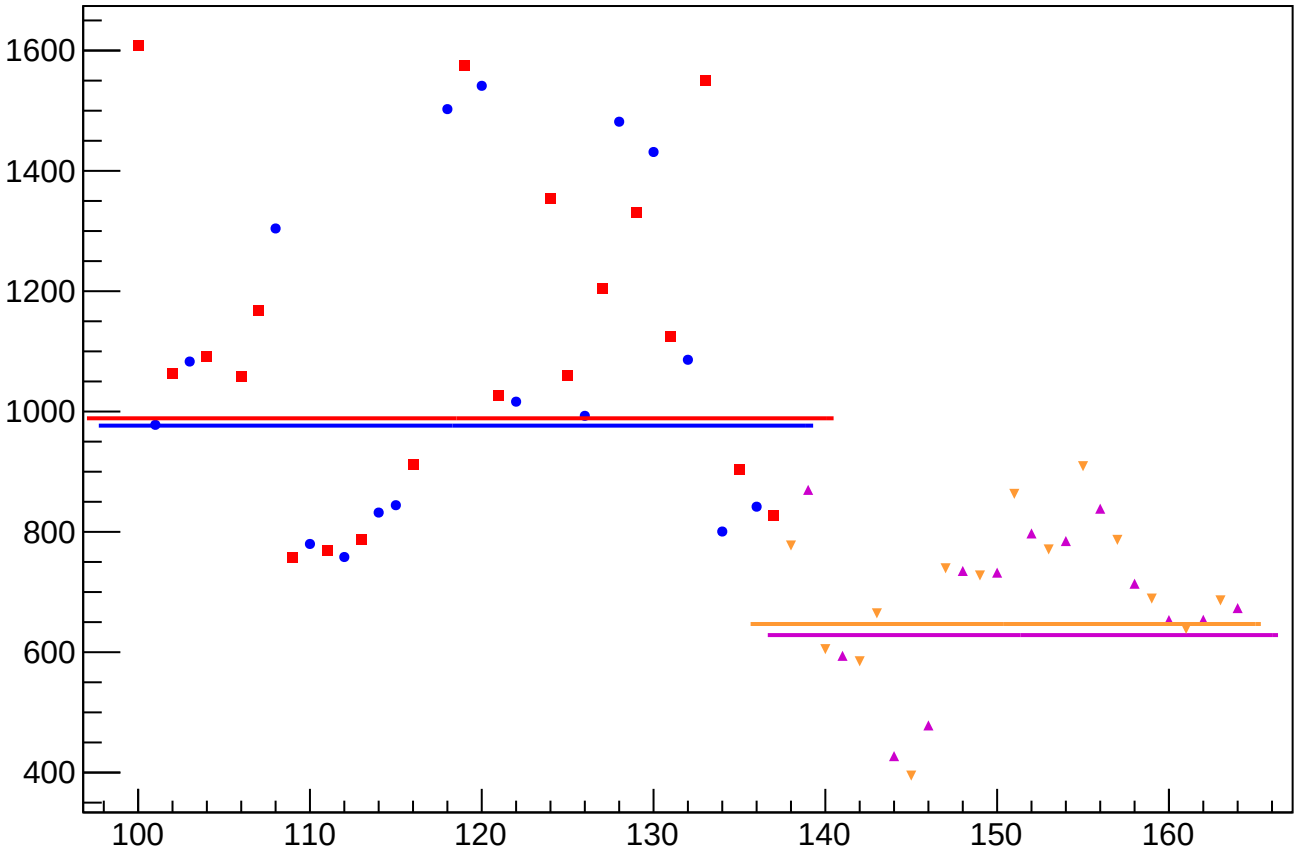
Left: -418.532+/-139.519 χ^2/NDF: 56.3/26

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -39.635+/-173.376 χ^2/NDF:35.3/28

Out: -529.787+/-175.596 χ^2/NDF:64.7/32

All: -281.594+/-123.373 χ^2/NDF: 103.9/61



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 646.895+/-0.141 χ^2/NDF:1100280.7/13

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 628.468+/-0.138 χ^2/NDF:1043257.9/12

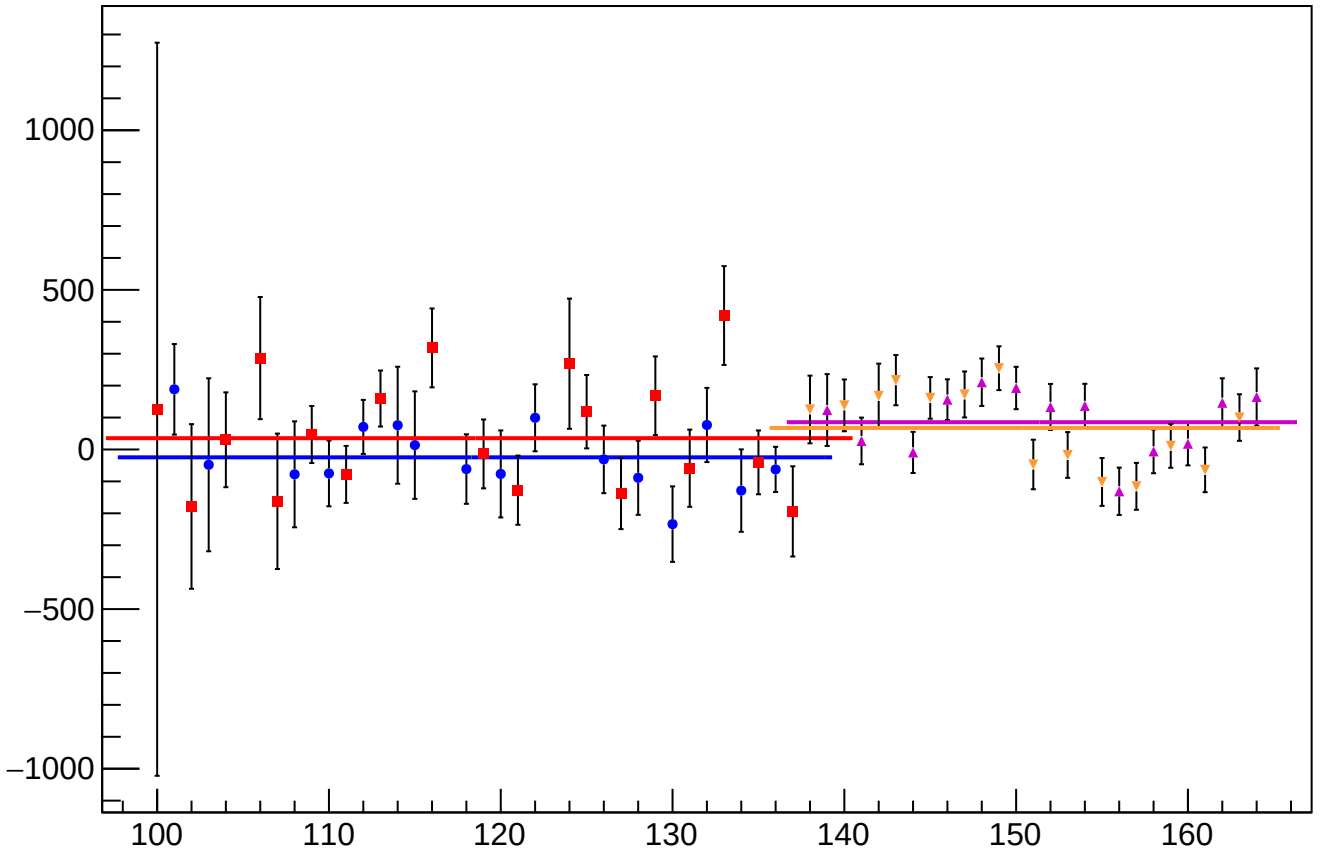
Left: 637.512+/-0.099 χ^2/NDF: 2152258.3/26

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 702.867+/-0.123 χ^2/NDF:3134802.9/28

Out: 722.970+/-0.124 χ^2/NDF:3127544.1/32

All: 712.791+/-0.087 χ^2/NDF: 6275620.9/61



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 67.445+/-20.127 χ^2/NDF:36.6/13

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 85.548+/-20.122 χ^2/NDF:23.3/12

Left: 76.499+/-14.230 χ^2/NDF: 60.2/26

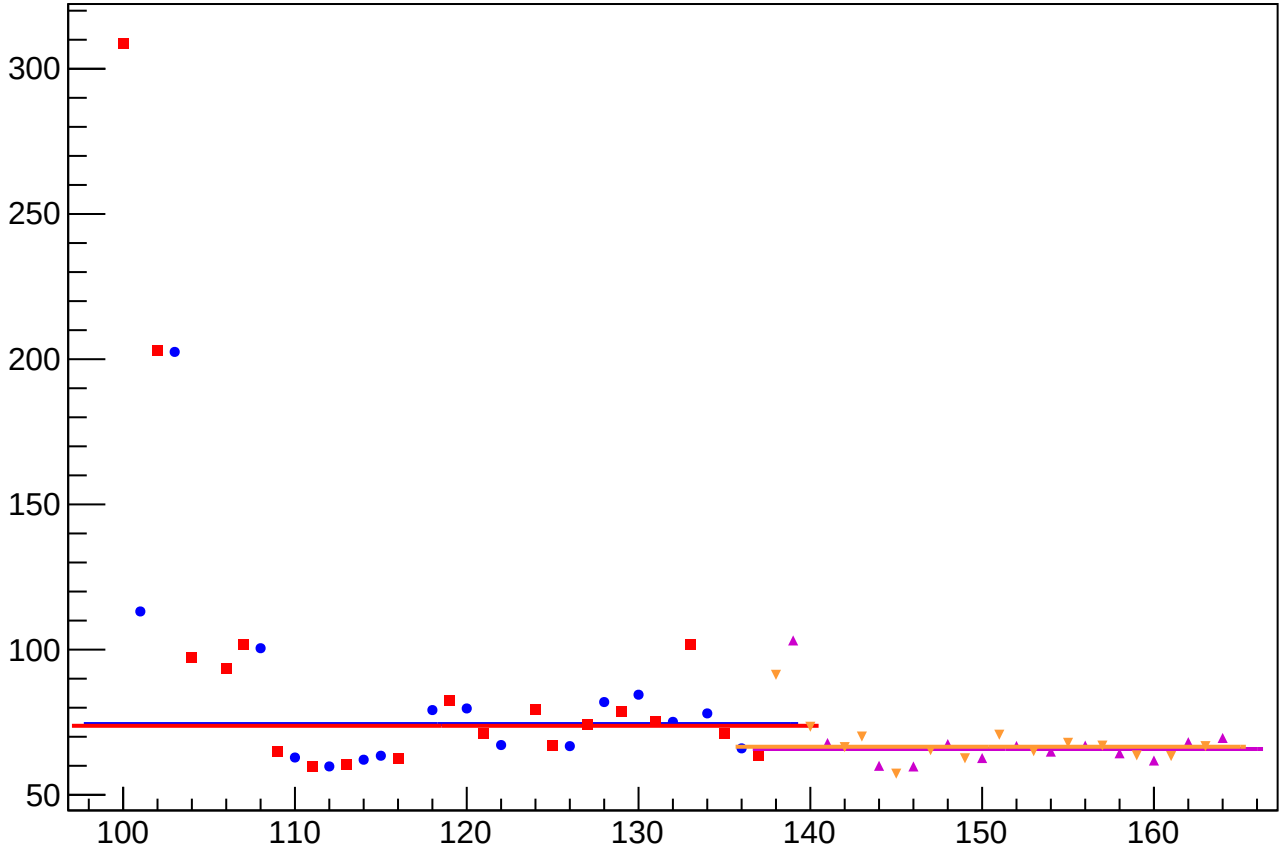
Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 49.593+/-16.516 χ^2/NDF:44.1/28

Out: 56.755+/-16.432 χ^2/NDF:67.4/32

All: 53.192+/-11.649 χ^2/NDF: 111.6/61

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.560+/-0.014 χ^2/NDF:190571.8/13

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.785+/-0.014 χ^2/NDF:276202.2/12

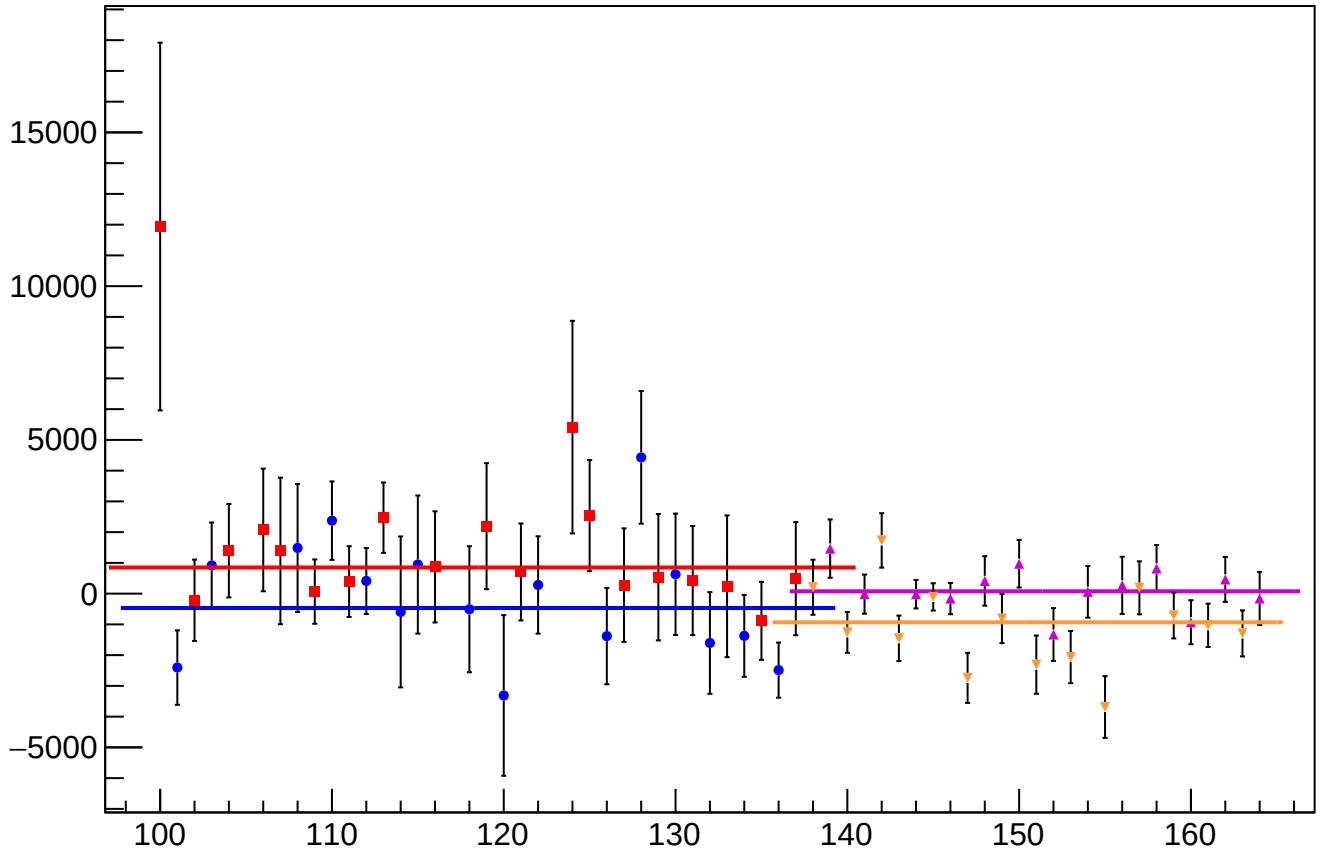
Left: 66.172+/-0.010 χ^2/NDF: 468260.5/26

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 68.586+/-0.012 χ^2/NDF:1222567.4/28

Out: 68.965+/-0.012 χ^2/NDF:1204376.6/32

All: 68.776+/-0.008 χ^2/NDF: 2427475.0/61



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -931.964+/-199.146 χ^2/NDF:33.3/13

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 76.400+/-195.525 χ^2/NDF:9.9/12

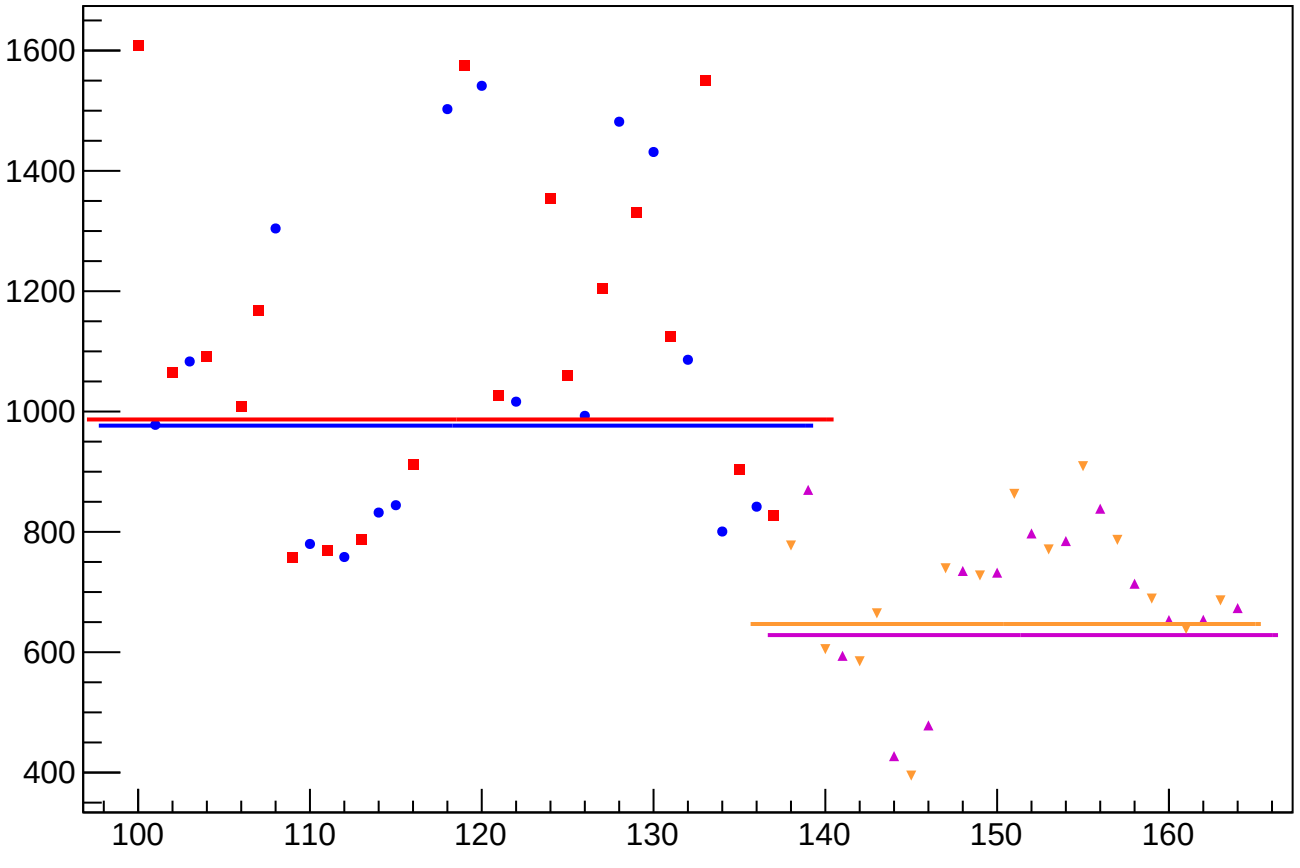
Left: -418.531+/-139.519 χ^2/NDF: 56.3/26

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -39.630+/-173.377 χ^2/NDF:35.3/28

Out: -536.670+/-175.685 χ^2/NDF:63.6/32

All: -284.863+/-123.404 χ^2/NDF: 103.0/61



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 646.895+/-0.141 χ^2/NDF:1100281.1/13

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 628.468+/-0.138 χ^2/NDF:1043258.7/12

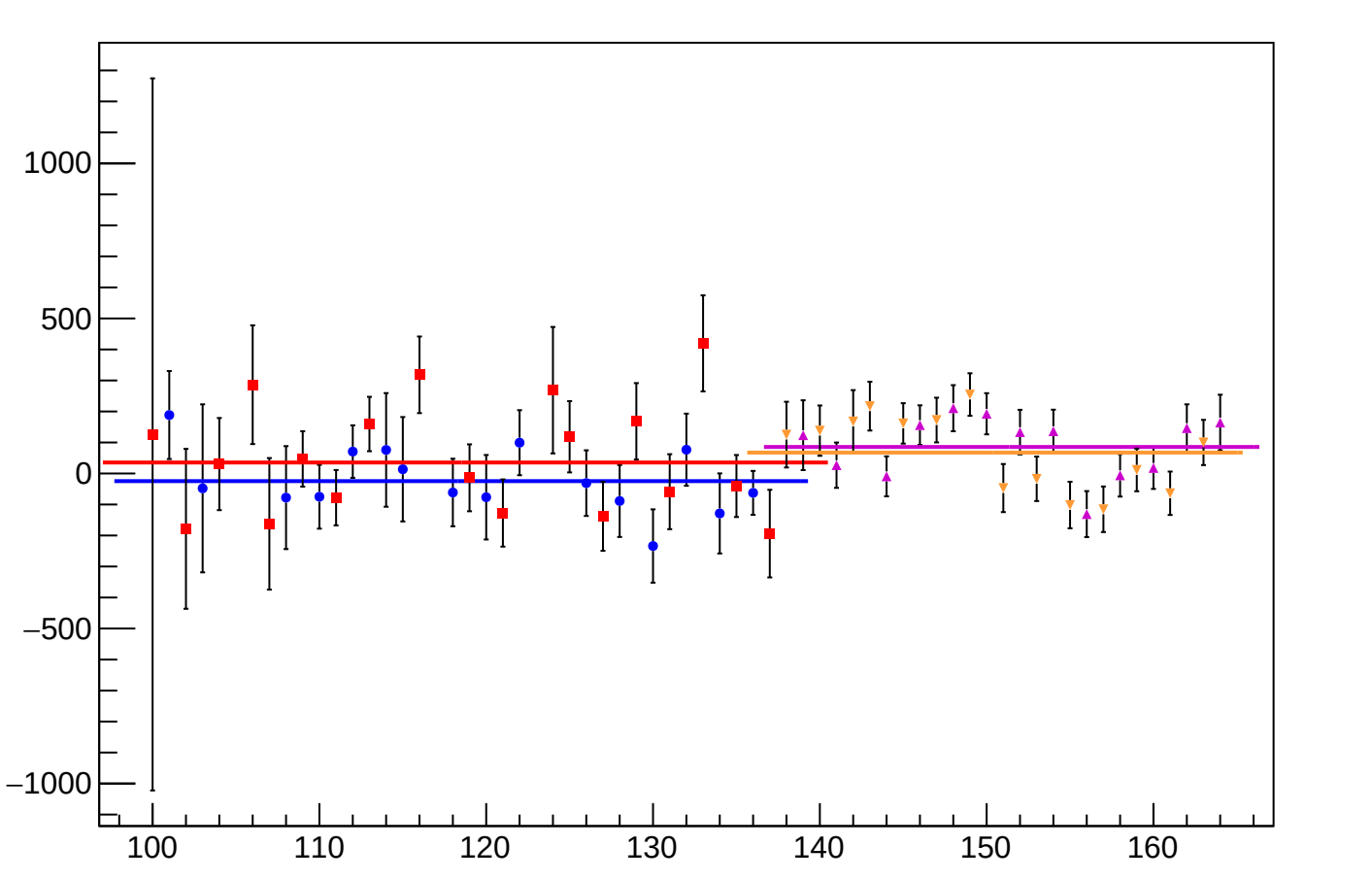
Left: 637.512+/-0.099 χ^2/NDF: 2152259.4/26

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 702.867+/-0.123 χ^2/NDF:3134858.9/28

Out: 722.270+/-0.124 χ^2/NDF:3105706.0/32

All: 712.440+/-0.087 χ^2/NDF: 6252922.6/61



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 67.445+/-20.127 χ^2/NDF:36.6/13

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 85.548+/-20.122 χ^2/NDF:23.3/12

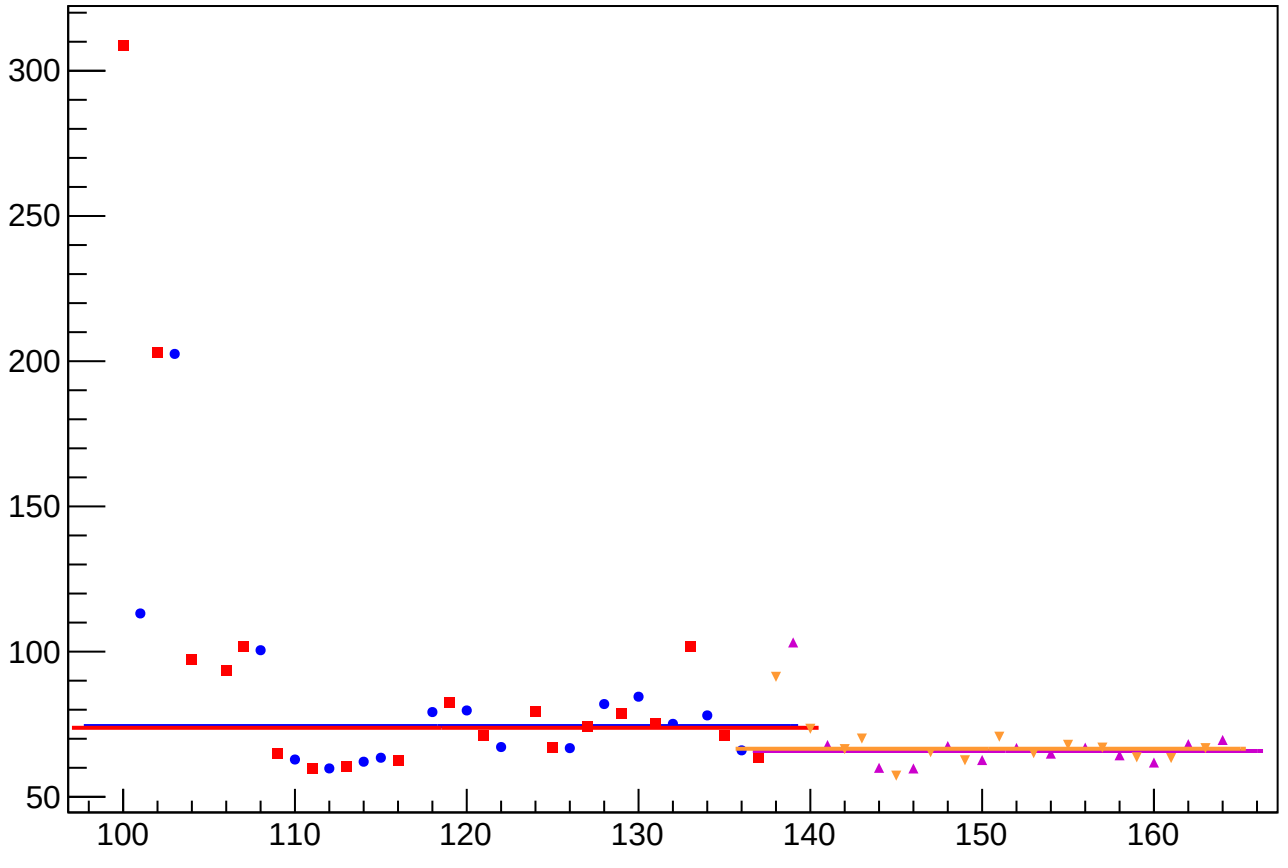
Left: 76.499+/-14.230 χ^2/NDF: 60.2/26

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 49.593+/-16.516 χ^2/NDF:44.1/28

Out: 56.755+/-16.432 χ^2/NDF:67.4/32

All: 53.192+/-11.649 χ^2/NDF: 111.6/61



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.560+/-0.014 χ^2/NDF:190571.8/13

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.785+/-0.014 χ^2/NDF:276202.2/12

Left: 66.172+/-0.010 χ^2/NDF: 468260.5/26

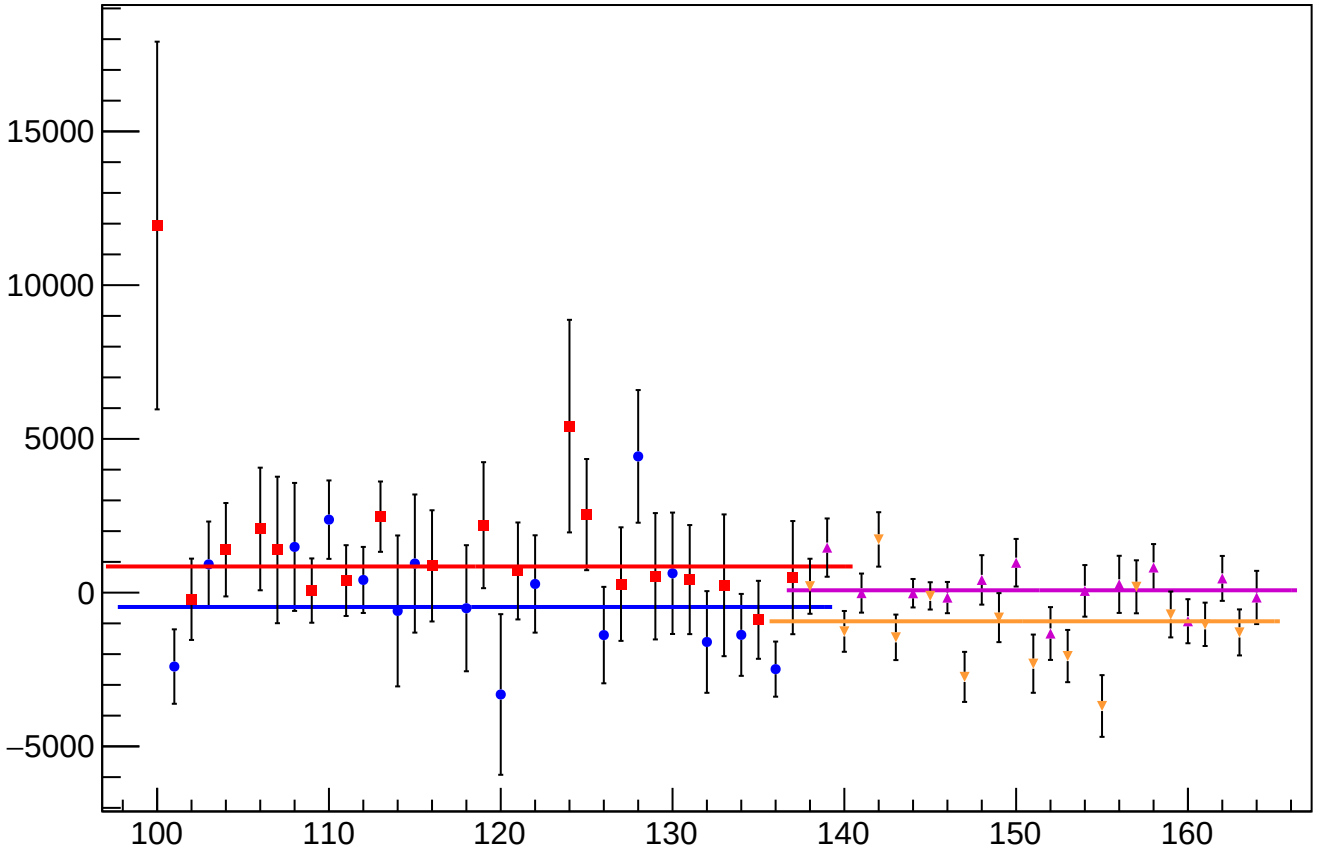
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 68.586+/-0.012 χ^2/NDF:1222567.4/28

Out: 68.965+/-0.012 χ^2/NDF:1204376.6/32

All: 68.776+/-0.008 χ^2/NDF: 2427475.0/61

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: -931.964+/-199.146 χ^2/NDF:33.3/13

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 76.400+/-195.525 χ^2/NDF:9.9/12

Left: -418.531+/-139.519 χ^2/NDF: 56.3/26

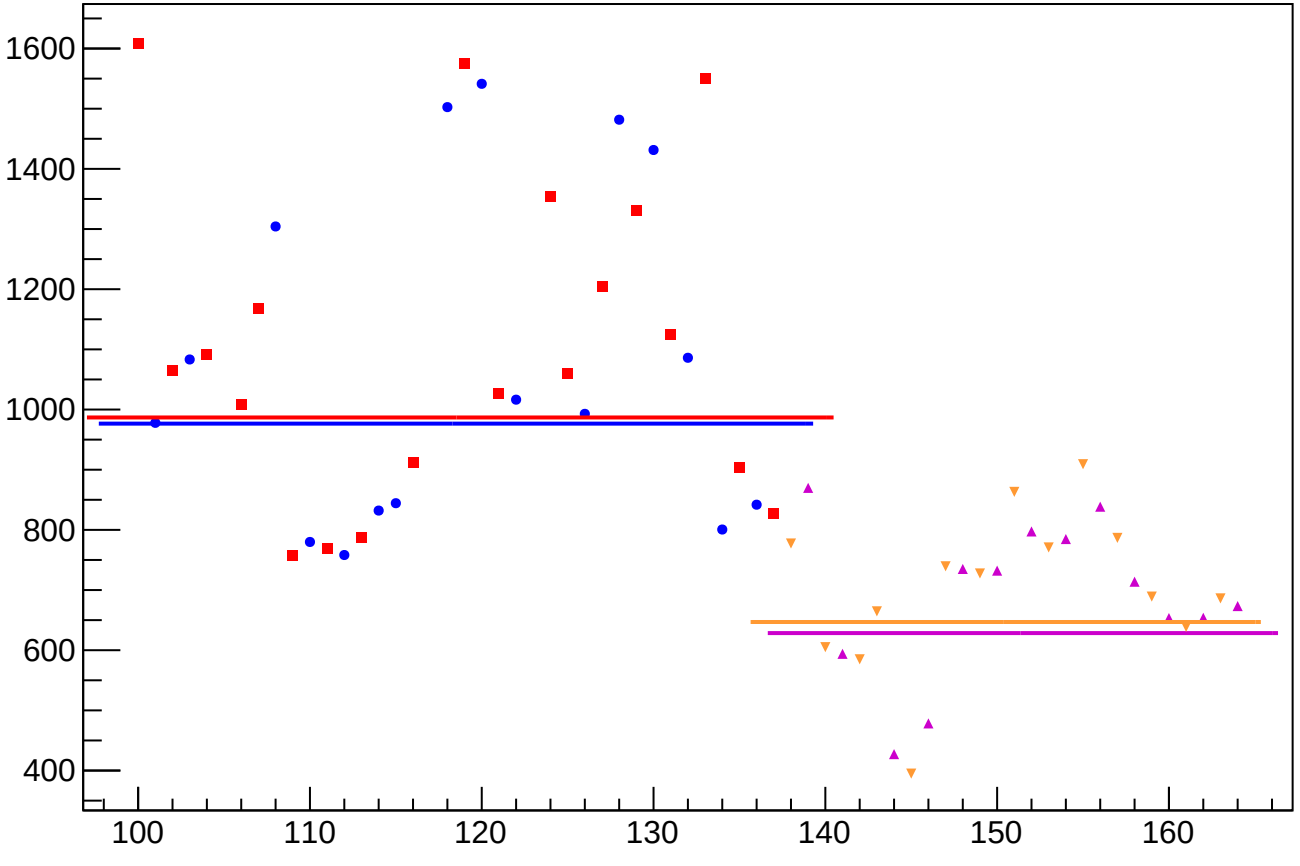
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -39.630+/-173.377 χ^2/NDF:35.3/28

Out: -536.670+/-175.685 χ^2/NDF:63.6/32

All: -284.863+/-123.404 χ^2/NDF: 103.0/61

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 646.895+/-0.141 χ^2/NDF:1100281.1/13

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 628.468+/-0.138 χ^2/NDF:1043258.7/12

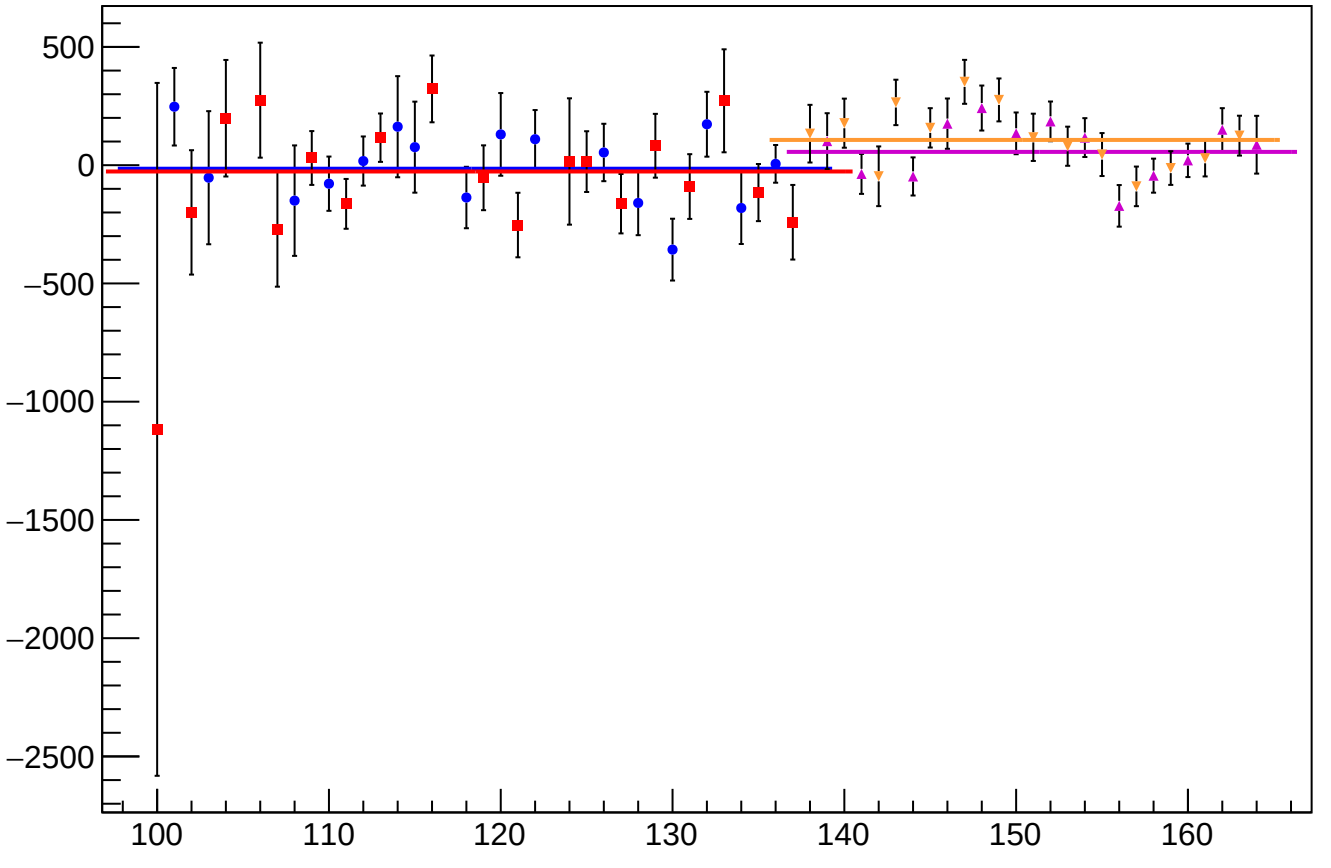
Left: 637.512+/-0.099 χ^2/NDF: 2152259.4/26

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 702.867+/-0.123 χ^2/NDF:3134858.9/28

Out: 722.270+/-0.124 χ^2/NDF:3105706.0/32

All: 712.440+/-0.087 χ^2/NDF: 6252922.6/61



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 106.776+/-24.042 χ^2/NDF:25.5/13

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 56.183+/-24.303 χ^2/NDF:21.8/12

Left: 81.753+/-17.092 χ^2/NDF: 49.5/26

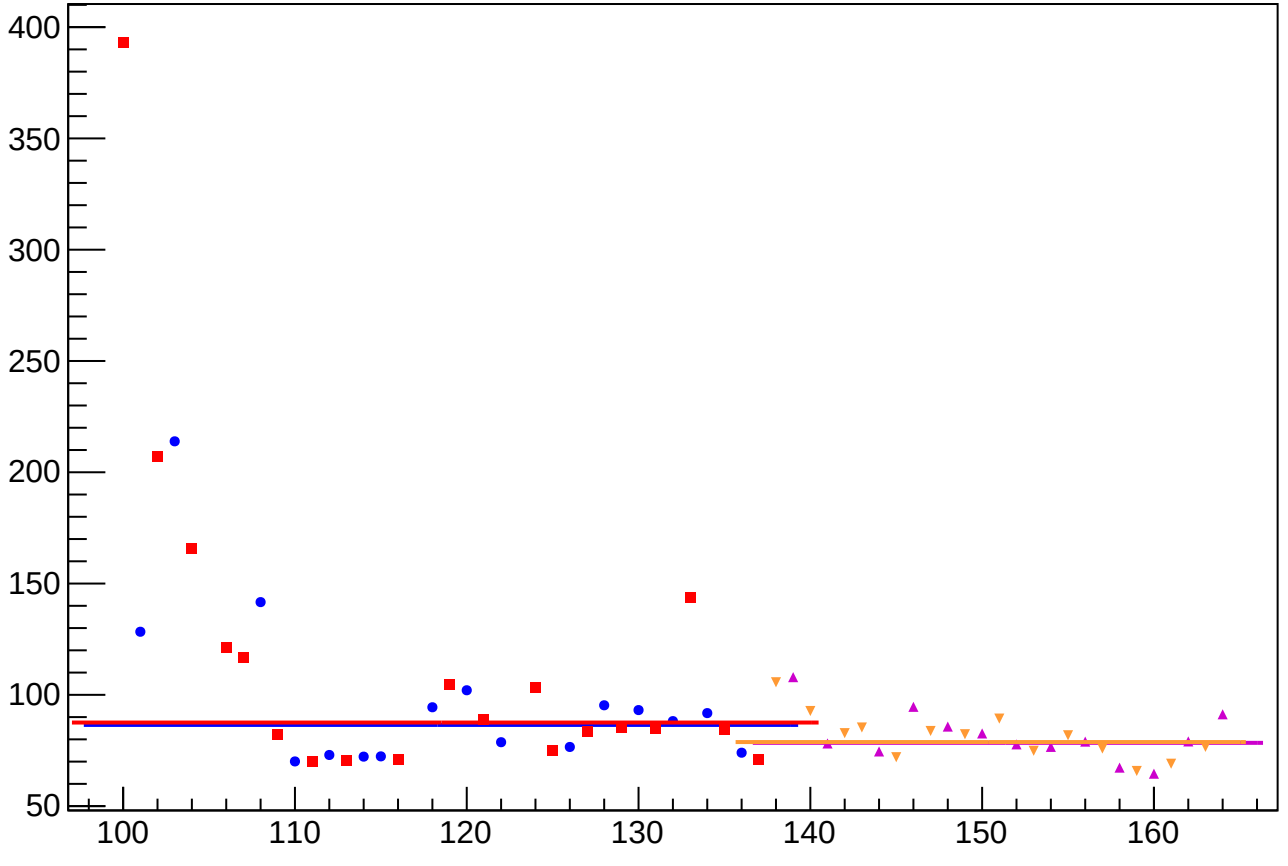
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 31.903+/-19.724 χ^2/NDF:43.0/28

Out: 62.426+/-19.644 χ^2/NDF:59.3/32

All: 47.227+/-13.919 χ^2/NDF: 103.6/61

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 78.786+/-0.017 χ^2/NDF:298065.7/13

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 78.431+/-0.017 χ^2/NDF:340589.1/12

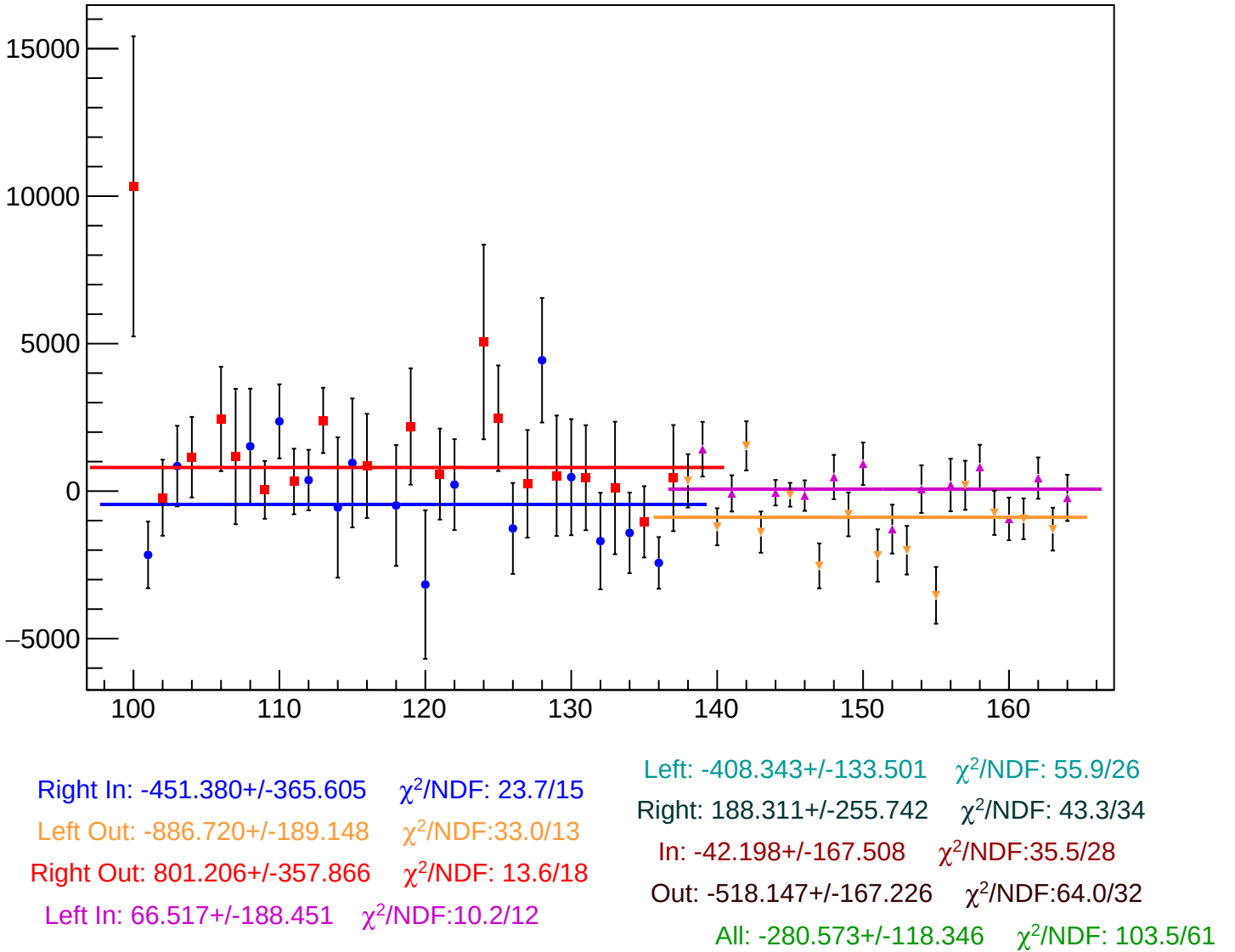
Left: 78.611+/-0.012 χ^2/NDF: 638871.3/26

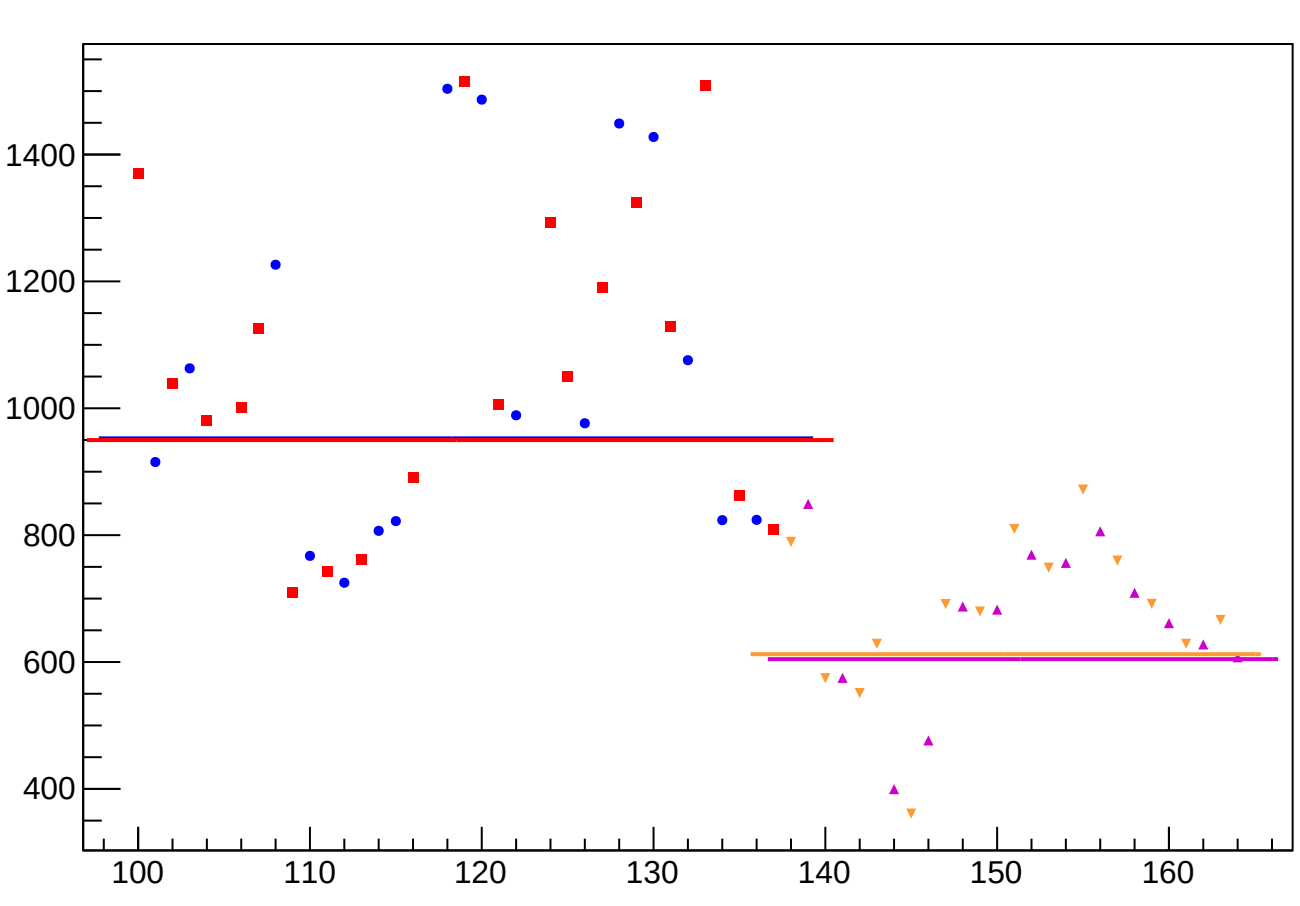
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 81.181+/-0.014 χ^2/NDF:1271897.7/28

Out: 81.701+/-0.014 χ^2/NDF:1516279.7/32

All: 81.442+/-0.010 χ^2/NDF: 2788874.2/61


asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
Right In: -451.380+/-365.605 χ²/NDF: 23.7/15
Left Out: -886.720+/-189.148 χ²/NDF:33.0/13
Right Out: 801.206+/-357.866 χ²/NDF: 13.6/18
Left In: 66.517+/-188.451 χ²/NDF:10.2/12
Left: -408.343+/-133.501 χ²/NDF: 55.9/26
Right: 188.311+/-255.742 χ²/NDF: 43.3/34
In: -42.198+/-167.508 χ²/NDF:35.5/28
Out: -518.147+/-167.226 χ²/NDF:64.0/32
All: -280.573+/-118.346 χ²/NDF: 103.5/61



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 612.373+/-0.134 χ^2/NDF:1307003.6/13

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 604.534+/-0.133 χ^2/NDF:1067643.0/12

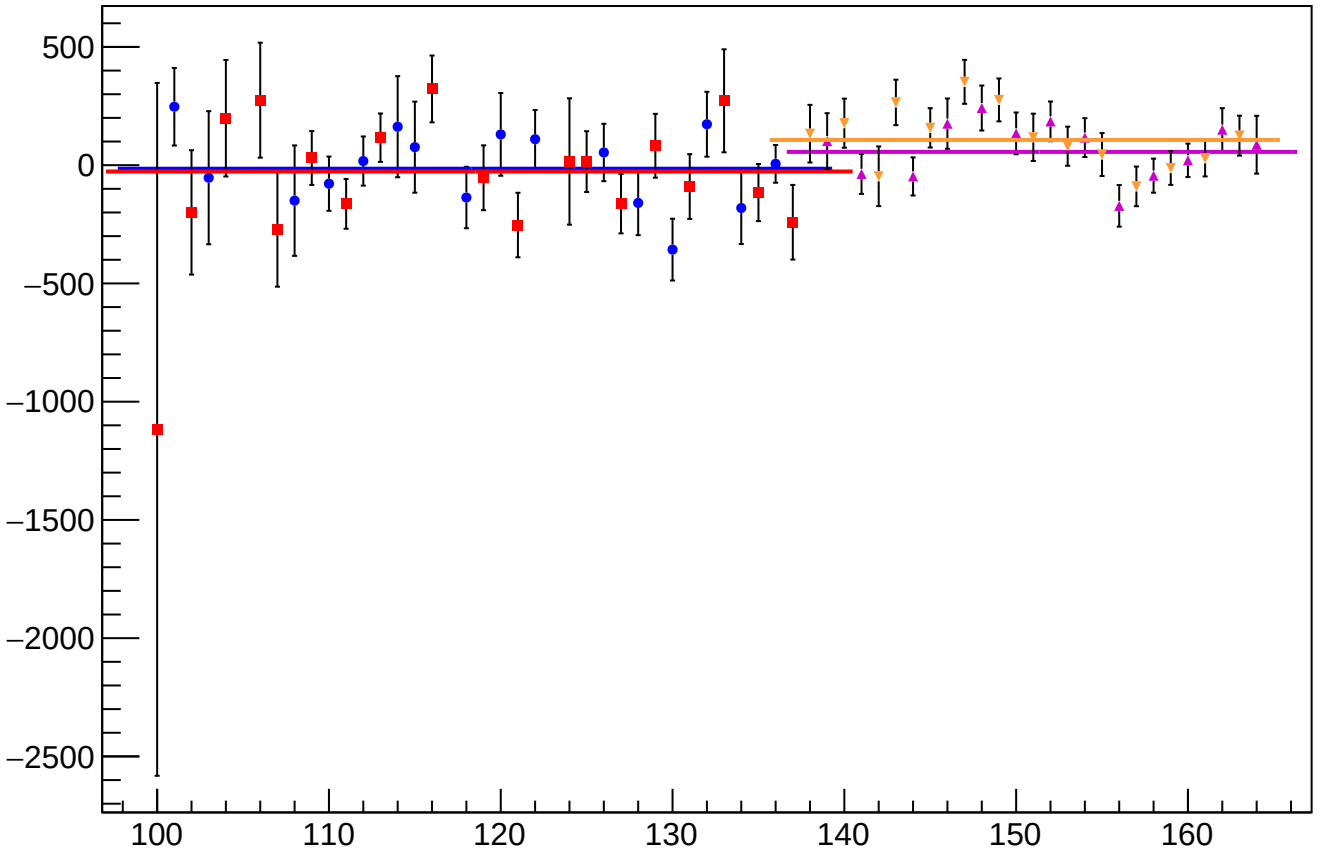
Left: 608.439+/-0.094 χ^2/NDF: 2376370.3/26

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 677.588+/-0.118 χ^2/NDF:3245776.1/28

Out: 686.073+/-0.118 χ^2/NDF:3449248.1/32

All: 681.838+/-0.084 χ^2/NDF: 6697594.1/61



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 106.778+/-24.042 χ^2/NDF:25.5/13

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 56.183+/-24.303 χ^2/NDF:21.8/12

Left: 81.754+/-17.092 χ^2/NDF: 49.5/26

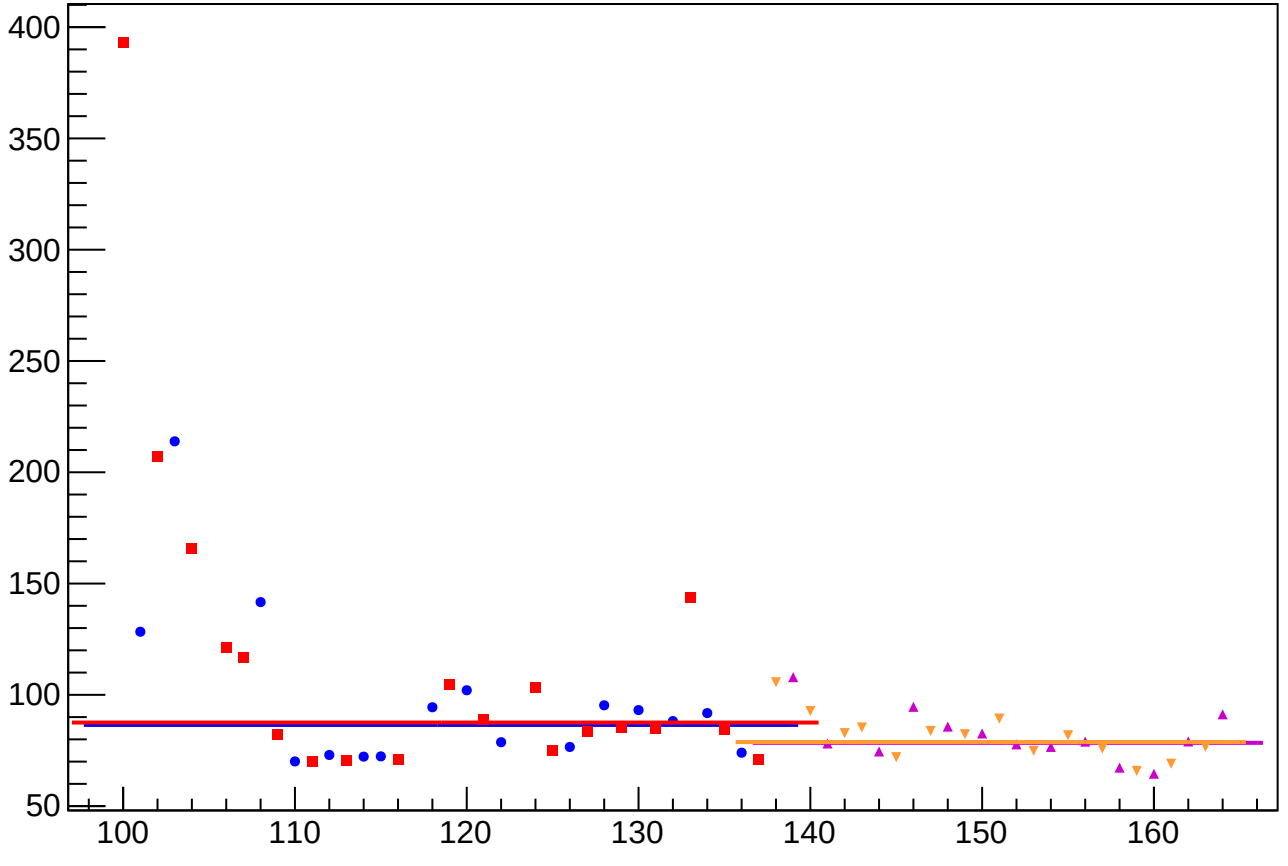
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 31.902+/-19.724 χ^2/NDF:43.0/28

Out: 62.427+/-19.644 χ^2/NDF:59.3/32

All: 47.227+/-13.919 χ^2/NDF: 103.6/61

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: 78.787+/-0.017 χ^2/NDF:298072.5/13

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 78.431+/-0.017 χ^2/NDF:340594.8/12

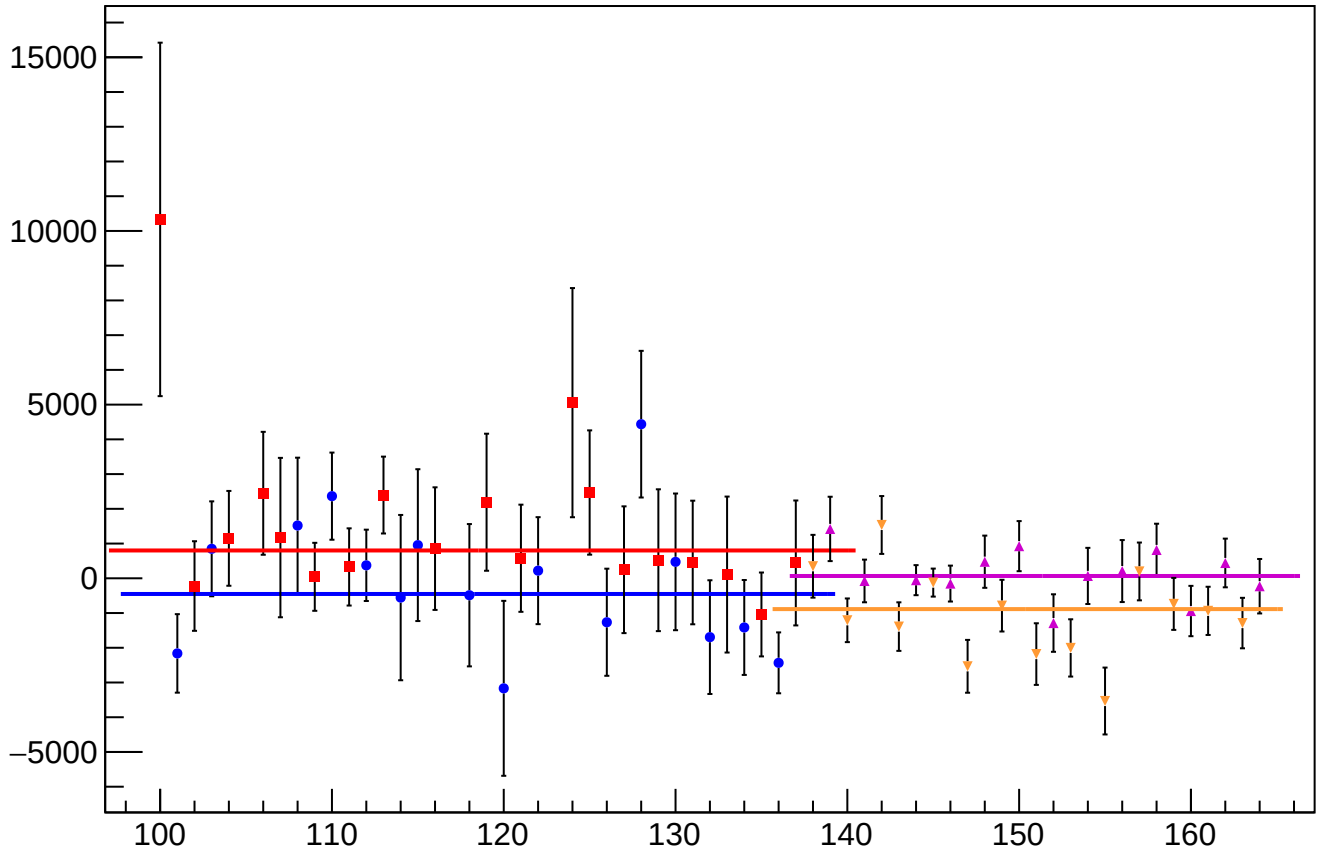
Left: 78.611+/-0.012 χ^2/NDF: 638884.0/26

Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 81.182+/-0.014 χ^2/NDF:1271896.5/28

Out: 81.701+/-0.014 χ^2/NDF:1516285.6/32

All: 81.442+/-0.010 χ^2/NDF: 2788879.2/61



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -886.720+/-189.148 χ^2/NDF:33.0/13

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 66.516+/-188.451 χ^2/NDF:10.2/12

Left: -408.343+/-133.500 χ^2/NDF: 55.9/26

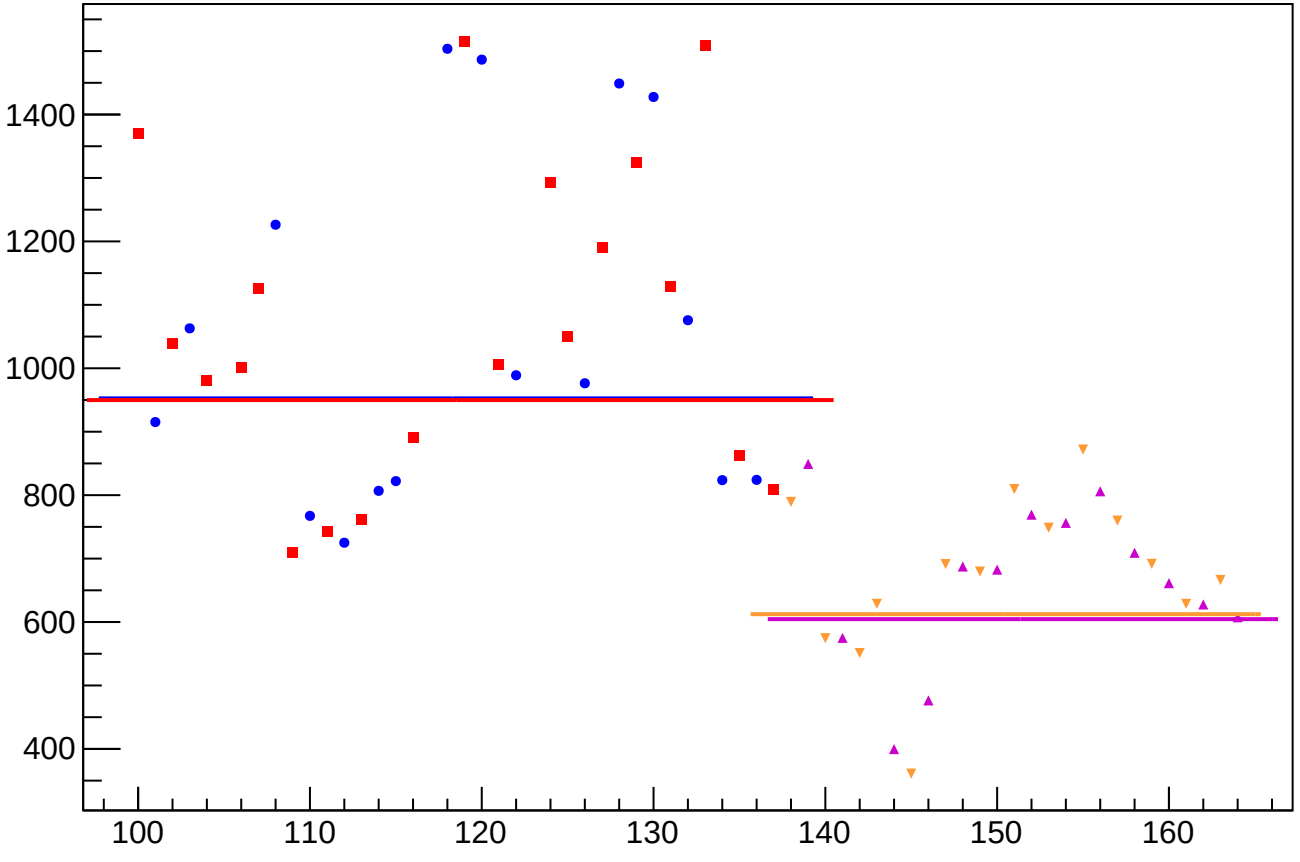
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -42.198+/-167.508 χ^2/NDF:35.5/28

Out: -518.147+/-167.226 χ^2/NDF:64.0/32

All: -280.573+/-118.346 χ^2/NDF: 103.5/61

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: 612.372+/-0.134 χ^2/NDF:1307004.5/13

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 604.534+/-0.133 χ^2/NDF:1067642.4/12

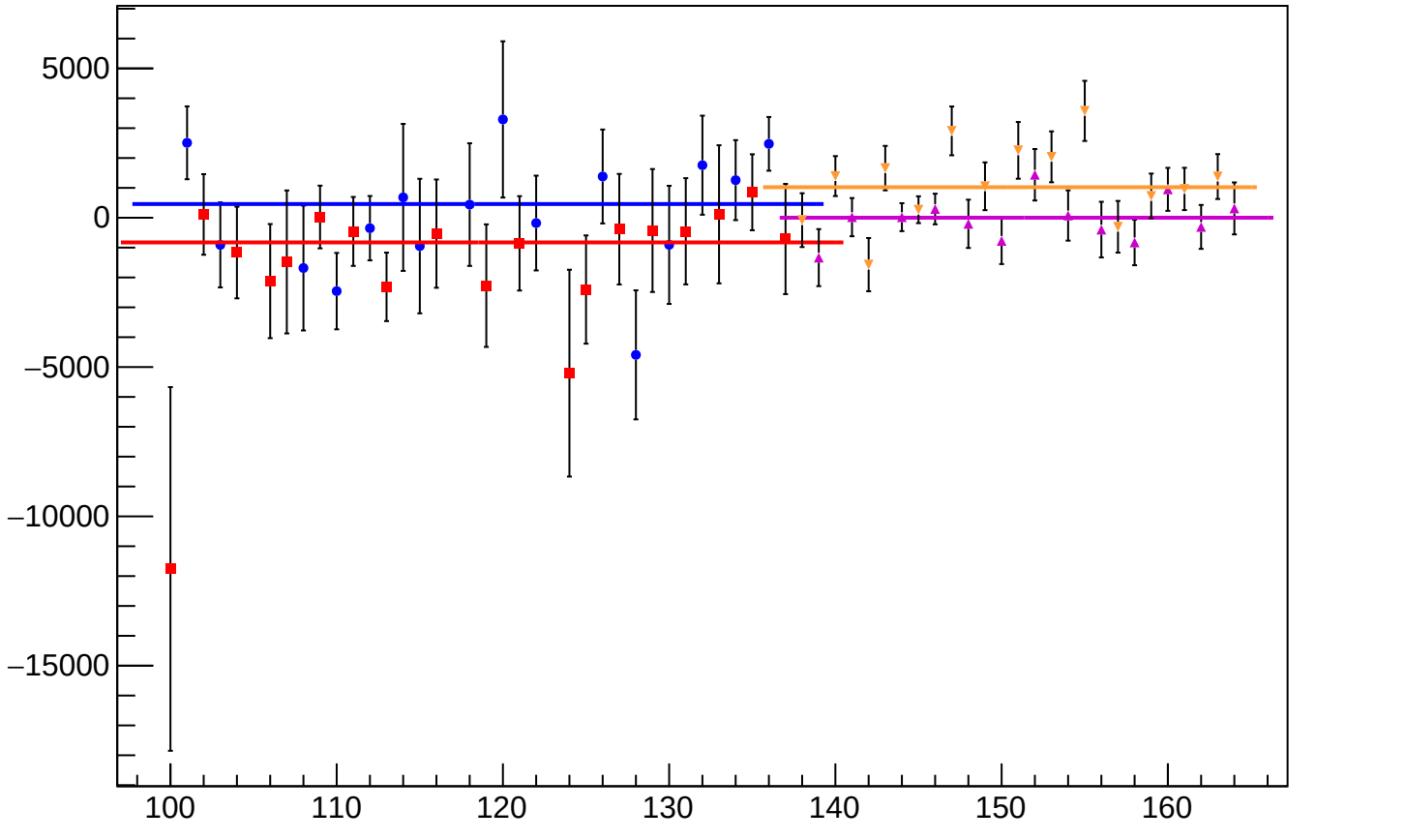
Left: 608.438+/-0.094 χ^2/NDF: 2376370.6/26

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 677.588+/-0.118 χ^2/NDF:3245773.4/28

Out: 686.072+/-0.118 χ^2/NDF:3449244.9/32

All: 681.837+/-0.084 χ^2/NDF: 6697588.1/61



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 1022.514+/-200.388 χ^2/NDF:31.4/13

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: 1.270+/-196.774 χ^2/NDF:9.5/12

Left: 502.600+/-140.400 χ^2/NDF: 54.2/26

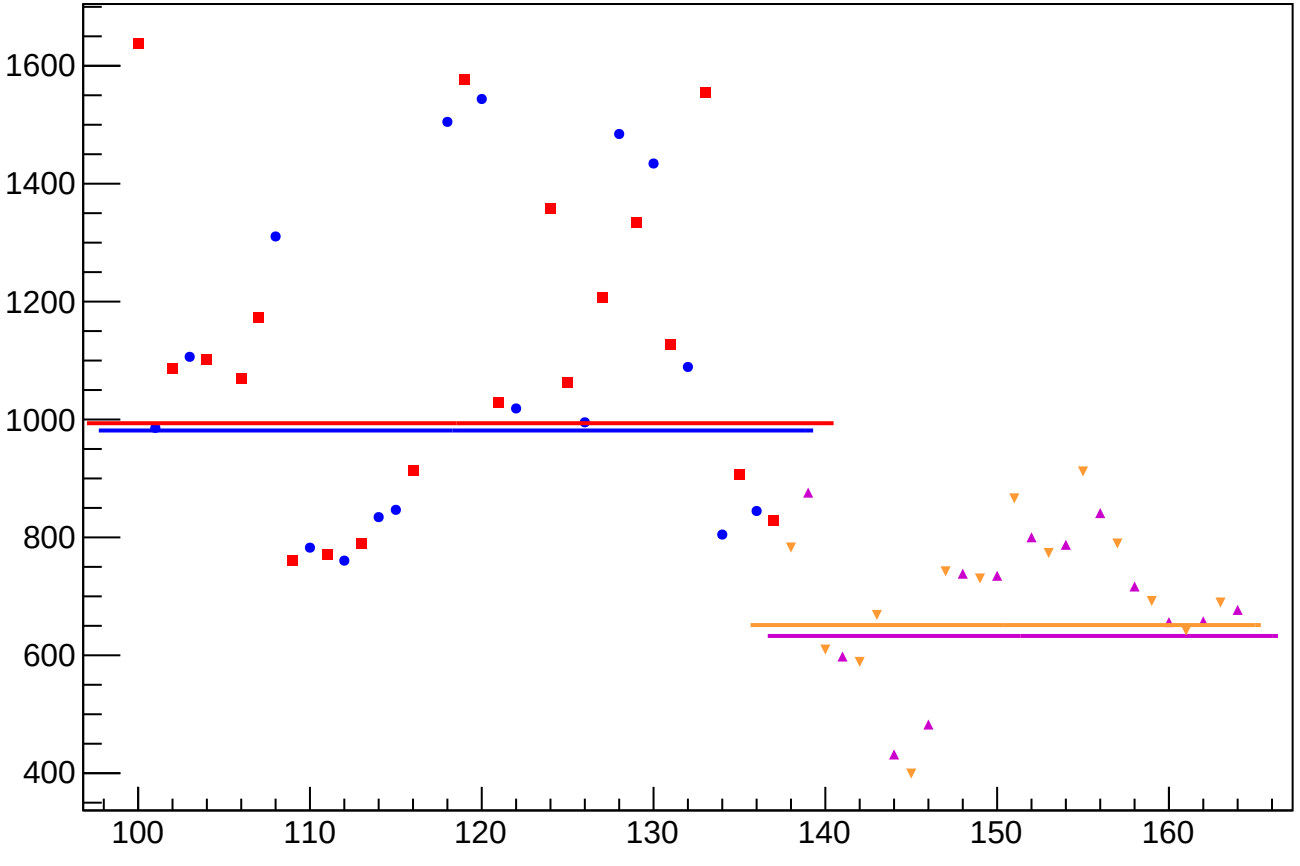
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 99.351+/-174.429 χ^2/NDF:35.3/28

Out: 610.509+/-176.657 χ^2/NDF:62.1/32

All: 351.687+/-124.120 χ^2/NDF: 101.6/61

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 651.295+/-0.142 χ^2/NDF:1075519.4/13

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 632.820+/-0.139 χ^2/NDF:1022226.7/12

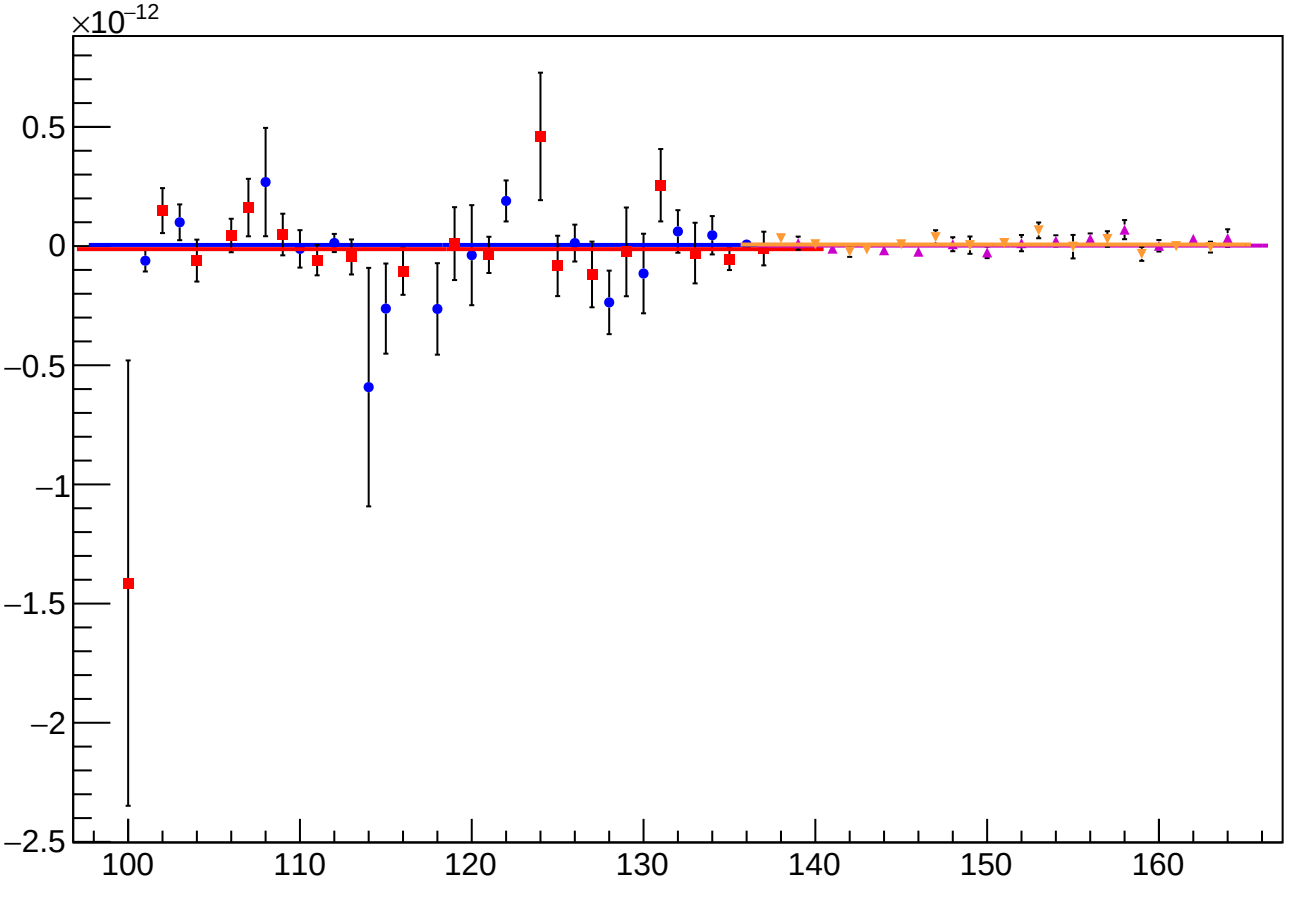
Left: 641.889+/-0.099 χ^2/NDF: 2106400.7/26

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 707.480+/-0.123 χ^2/NDF:3103923.3/28

Out: 727.586+/-0.125 χ^2/NDF:3096337.4/32

All: 717.405+/-0.088 χ^2/NDF: 6213378.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:15.4/12

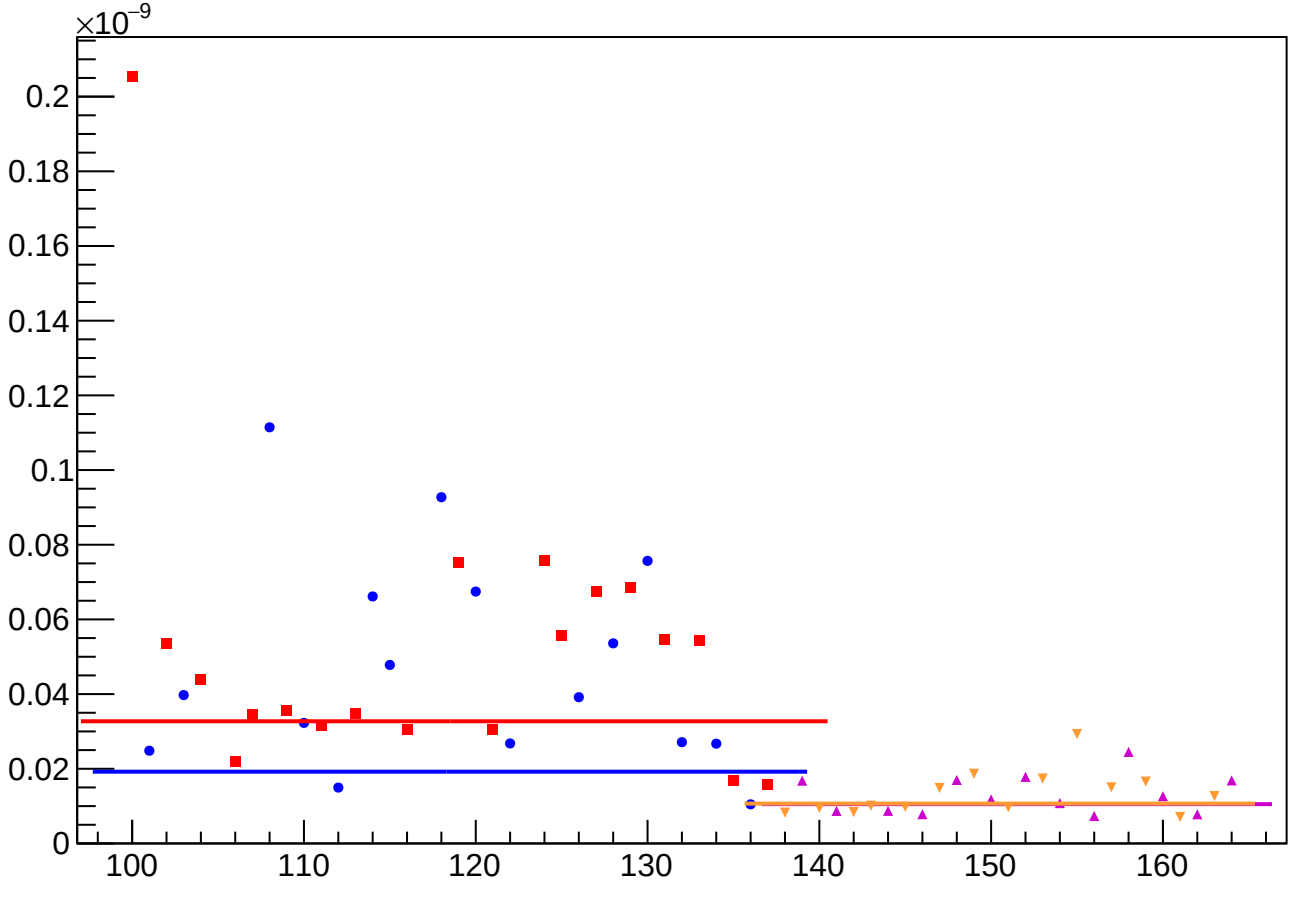
Left: 0.000+/-0.000 χ^2/NDF: 28.0/26

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:35.1/28

Out: 0.000+/-0.000 χ^2/NDF:31.6/32

All: 0.000+/-0.000 χ^2/NDF: 66.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:835997.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:822303.3/12

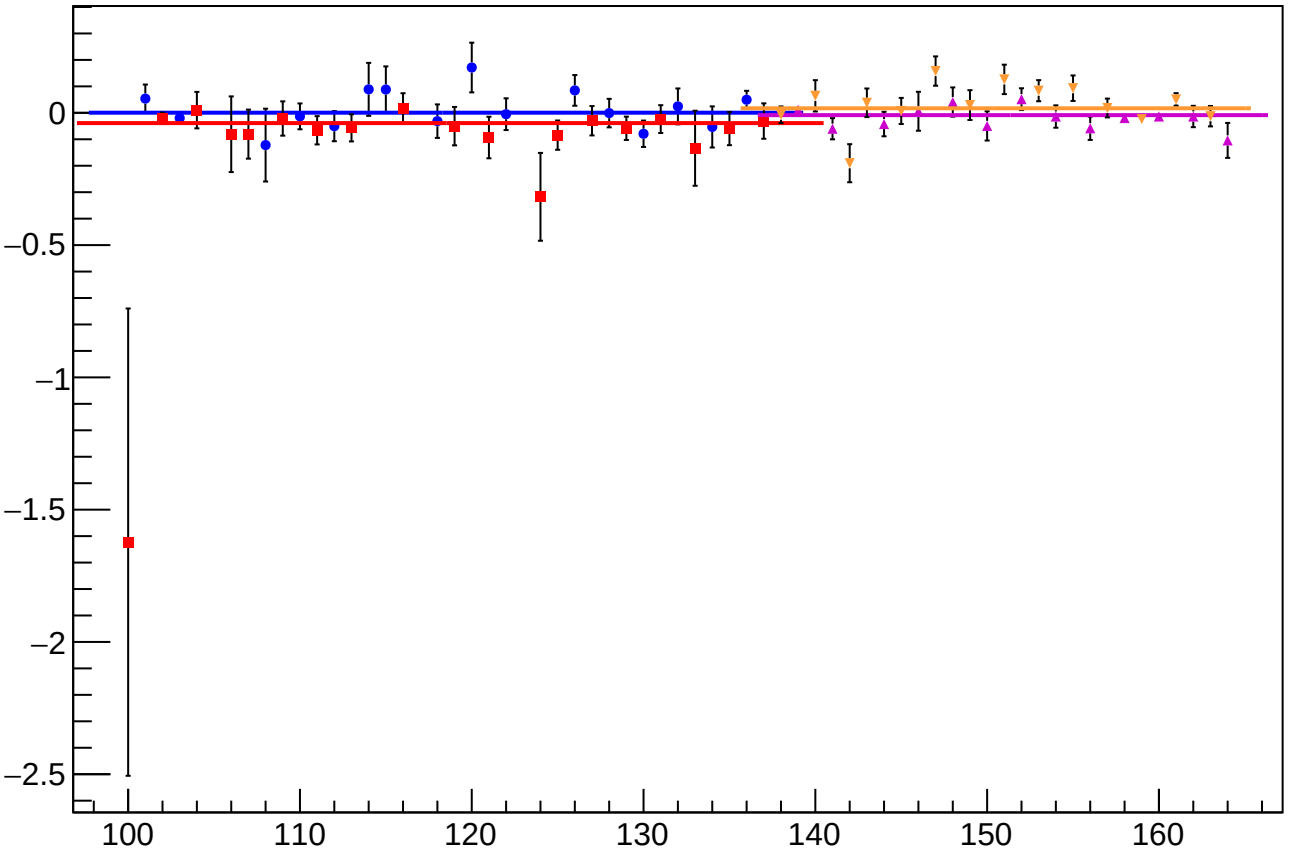
Left: 0.000+/-0.000 χ^2/NDF: 1659003.3/26

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:3419111.9/28

Out: 0.000+/-0.000 χ^2/NDF:4108824.5/32

All: 0.000+/-0.000 χ^2/NDF: 7536176.7/61



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.009+/-0.008 χ^2/NDF:11.8/12

Left: 0.002+/-0.006 χ^2/NDF: 50.4/26

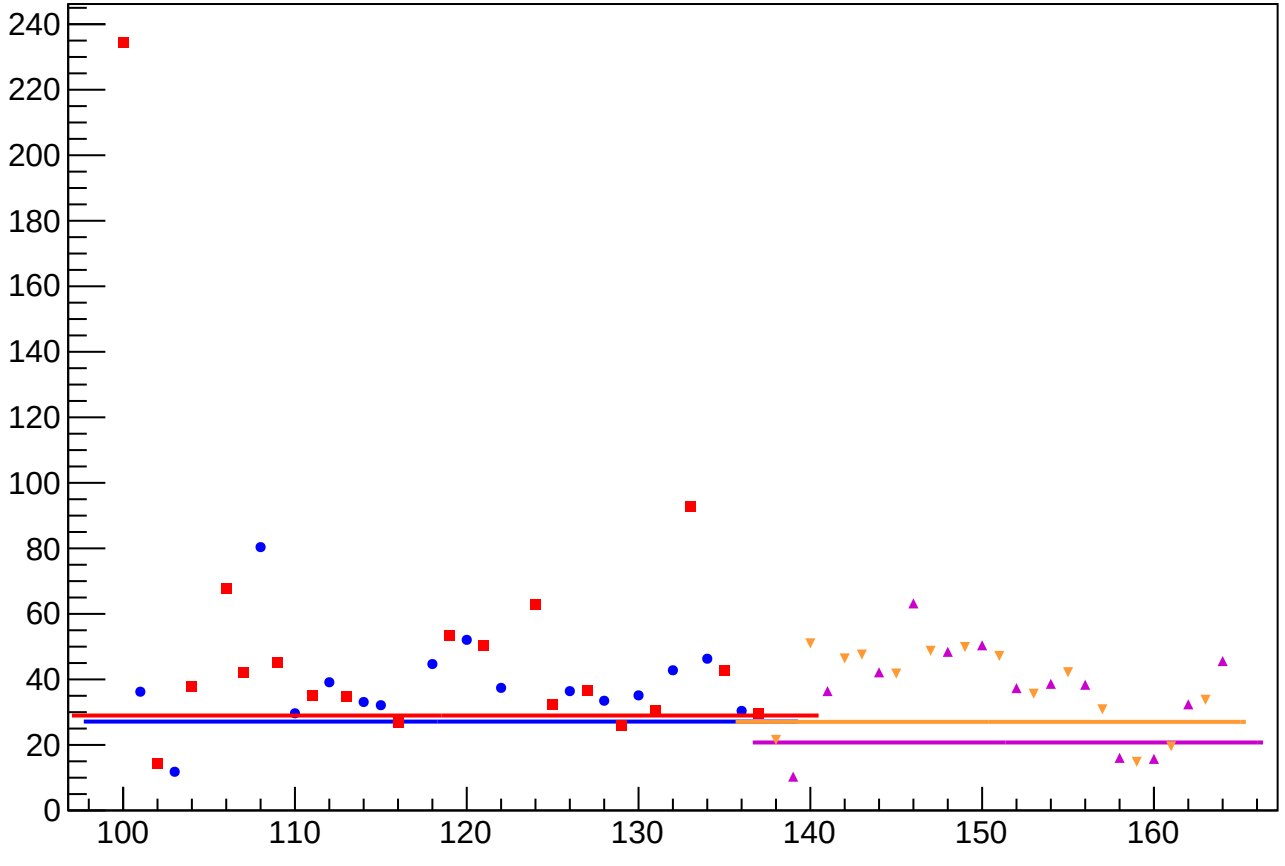
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.7/28

Out: -0.003+/-0.008 χ^2/NDF:57.8/32

All: -0.005+/-0.005 χ^2/NDF: 86.6/61

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.038+/-0.007 χ^2/NDF:3571491.0/13

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.750+/-0.006 χ^2/NDF:5435580.2/12

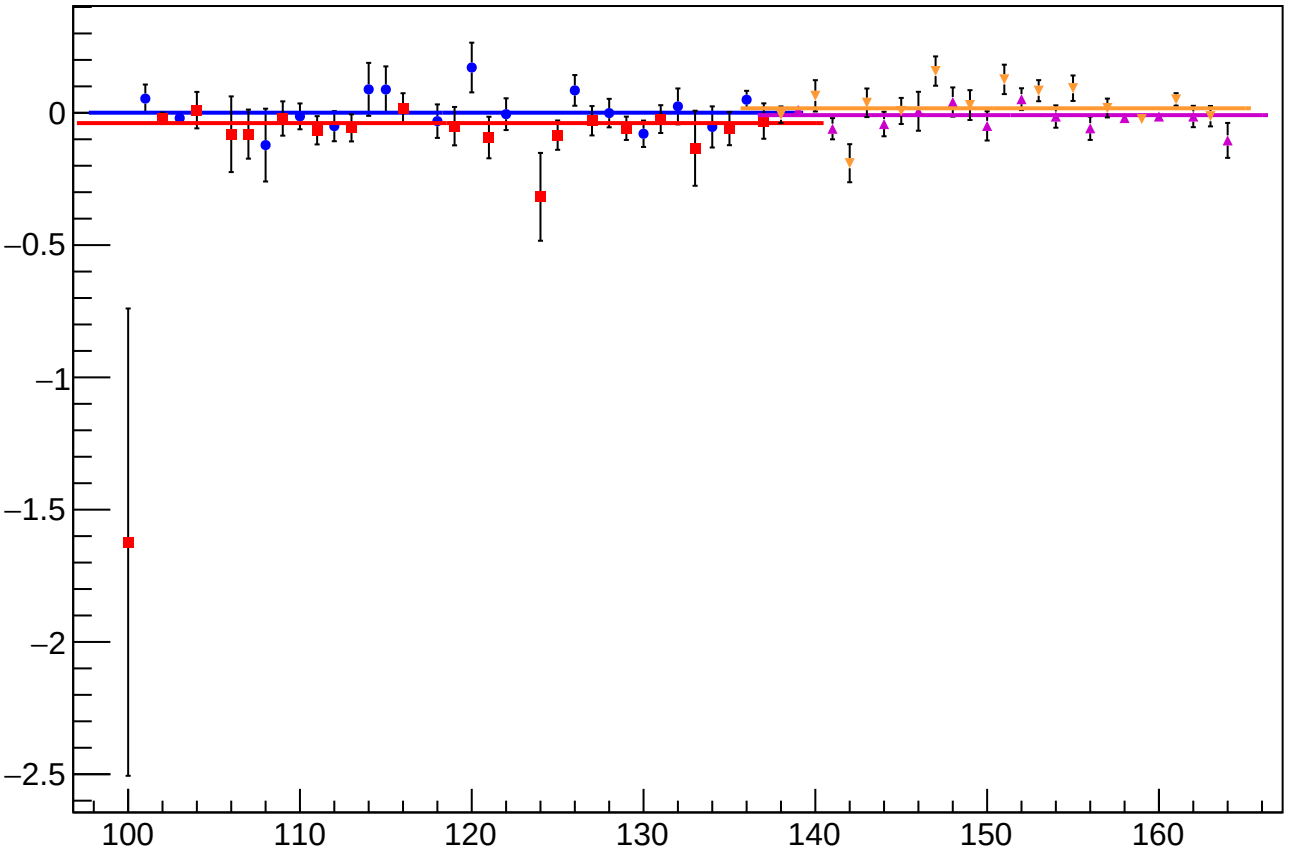
Left: 23.316+/-0.004 χ^2/NDF: 9531788.9/26

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.652+/-0.005 χ^2/NDF:8245303.7/28

Out: 27.734+/-0.005 χ^2/NDF:6058000.8/32

All: 24.837+/-0.004 χ^2/NDF: 14817781.6/61



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.009+/-0.008 χ^2/NDF:11.8/12

Left: 0.002+/-0.006 χ^2/NDF: 50.4/26

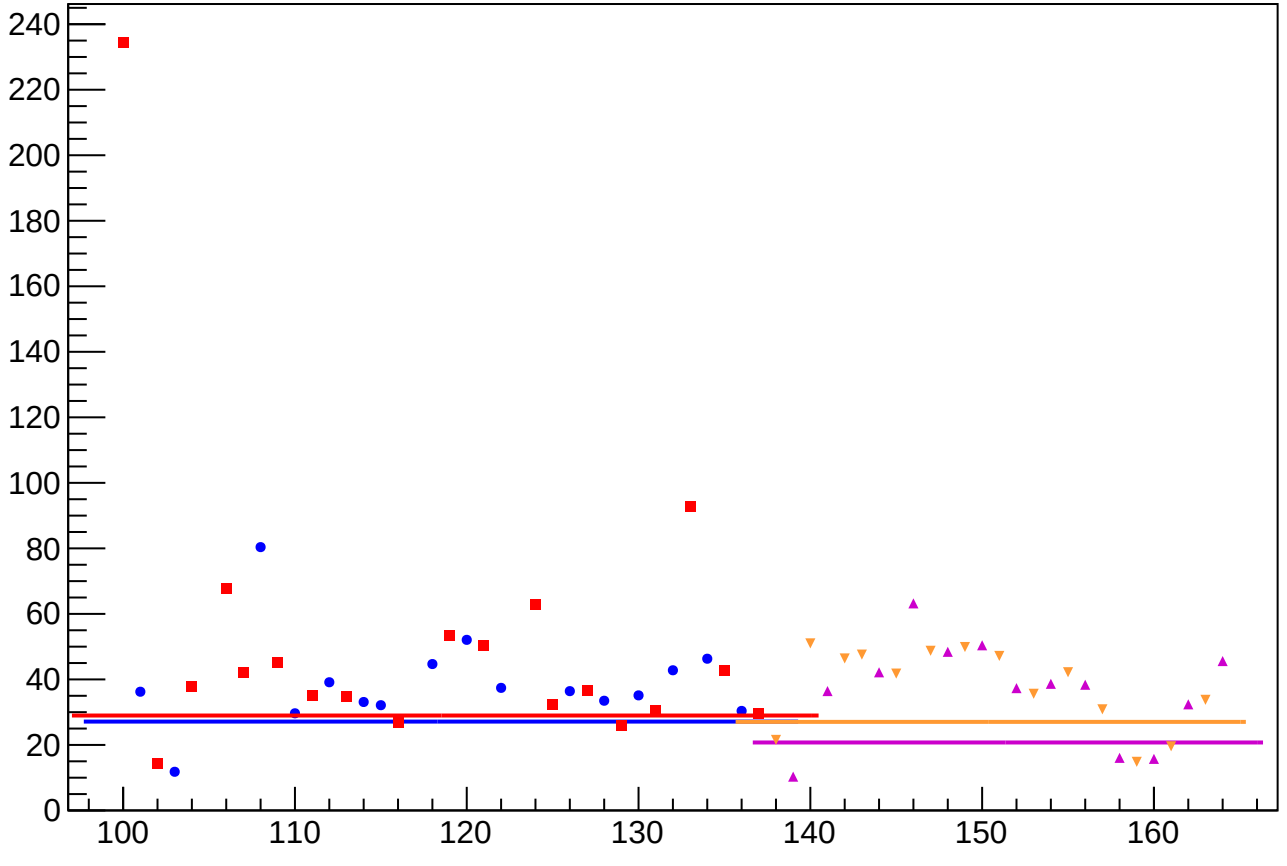
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.7/28

Out: -0.003+/-0.008 χ^2/NDF:57.8/32

All: -0.005+/-0.005 χ^2/NDF: 86.6/61

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: 27.038+/-0.007 χ^2/NDF:3571491.0/13

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.750+/-0.006 χ^2/NDF:5435580.2/12

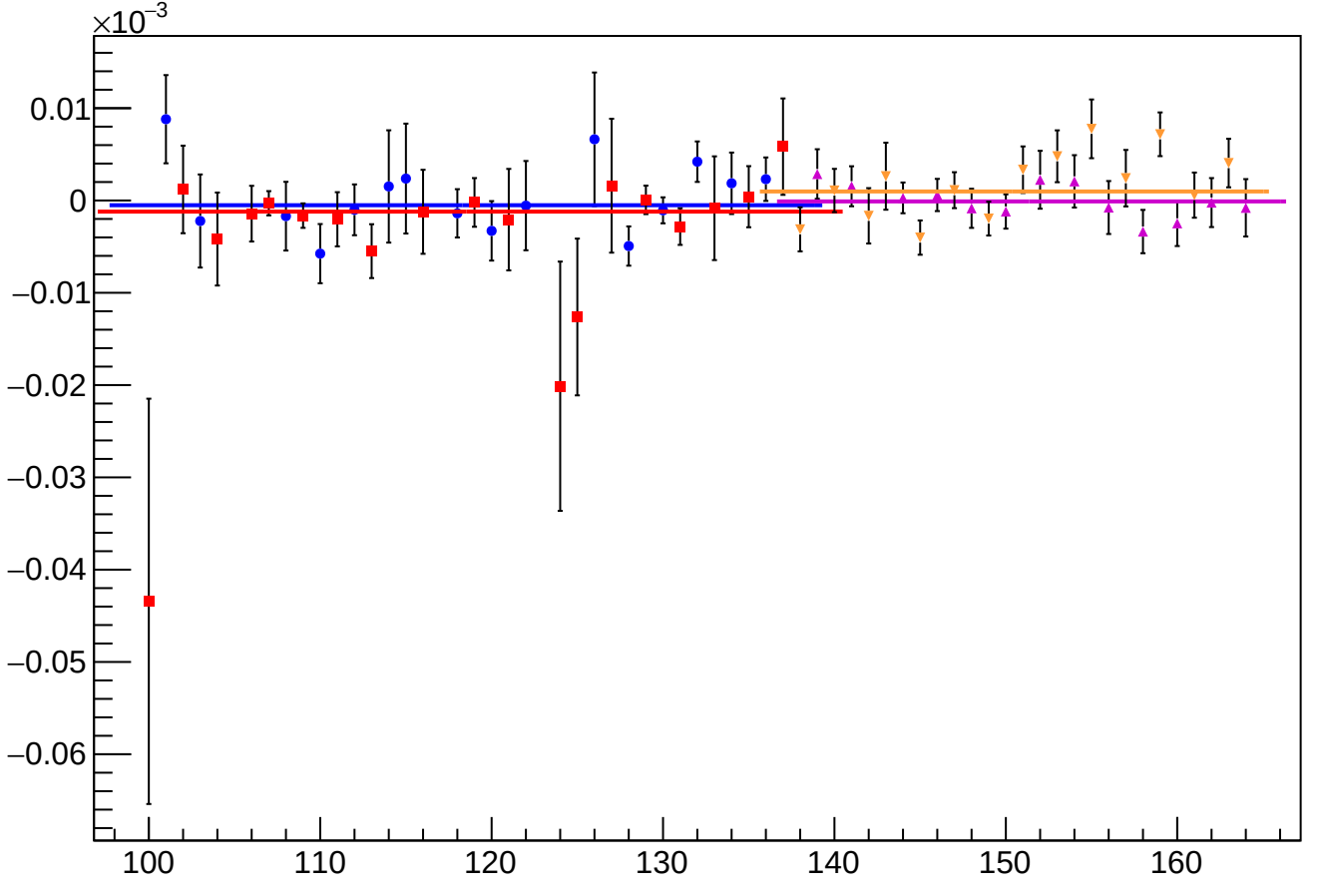
Left: 23.316+/-0.004 χ^2/NDF: 9531788.9/26

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.652+/-0.005 χ^2/NDF:8245303.7/28

Out: 27.734+/-0.005 χ^2/NDF:6058000.8/32

All: 24.837+/-0.004 χ^2/NDF: 14817781.6/61



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/12

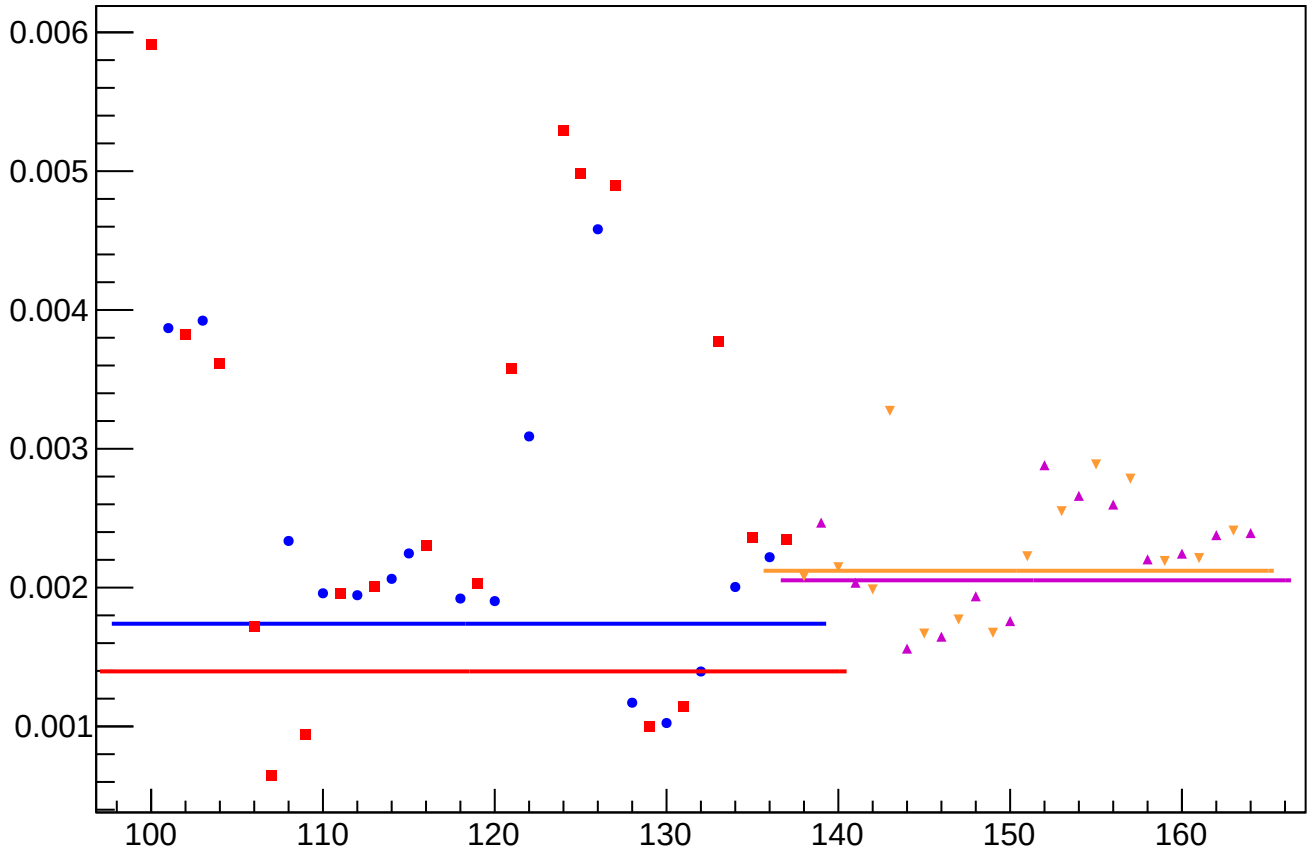
Left: 0.000+/-0.000 χ^2/NDF: 37.5/26

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:26.7/28

Out: -0.000+/-0.000 χ^2/NDF:50.1/32

All: -0.000+/-0.000 χ^2/NDF: 76.9/61



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:797190.6/13

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:764856.0/12

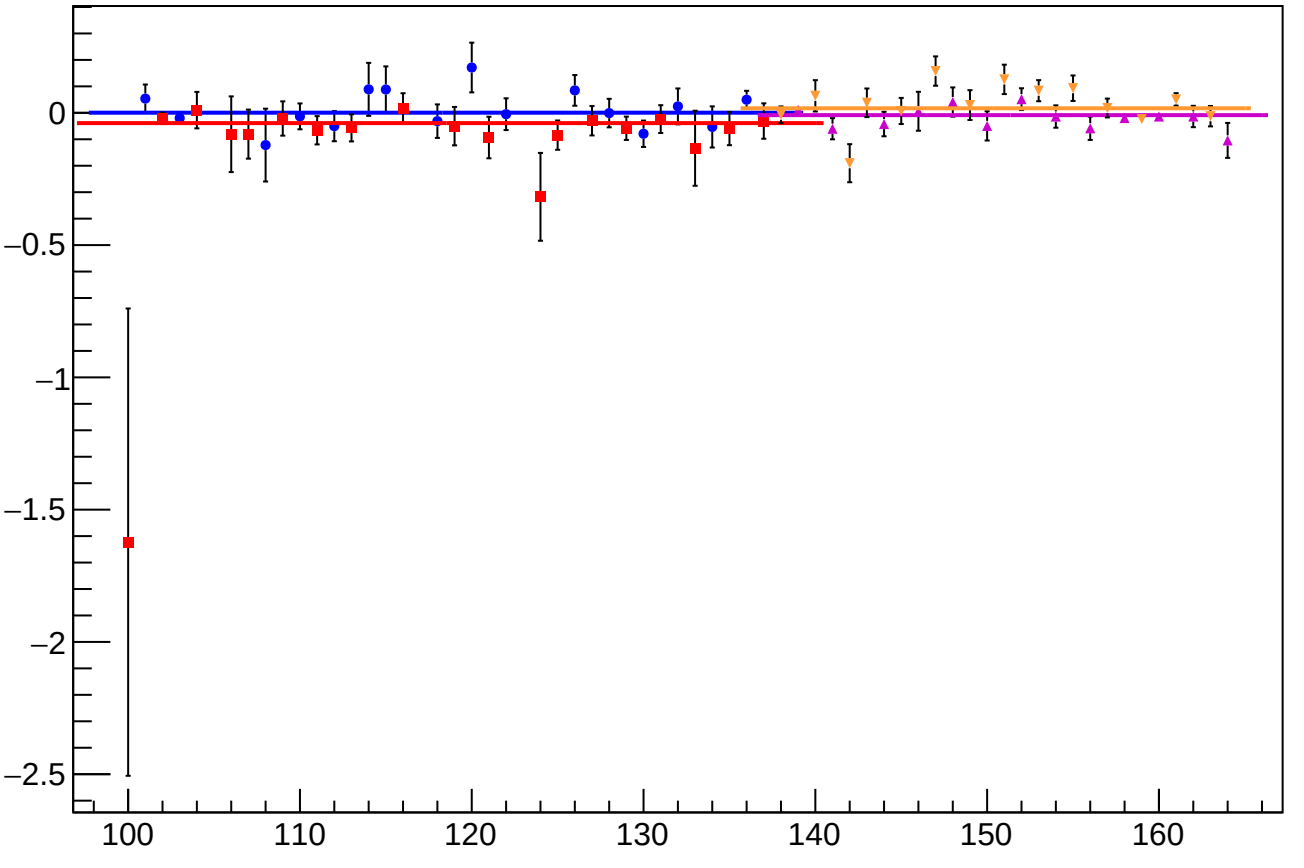
Left: 0.002+/-0.000 χ^2/NDF: 1573556.8/26

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3125427.6/28

Out: 0.002+/-0.000 χ^2/NDF:6441951.7/32

All: 0.002+/-0.000 χ^2/NDF: 9716607.7/61



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.009+/-0.008 χ^2/NDF:11.8/12

Left: 0.002+/-0.006 χ^2/NDF: 50.4/26

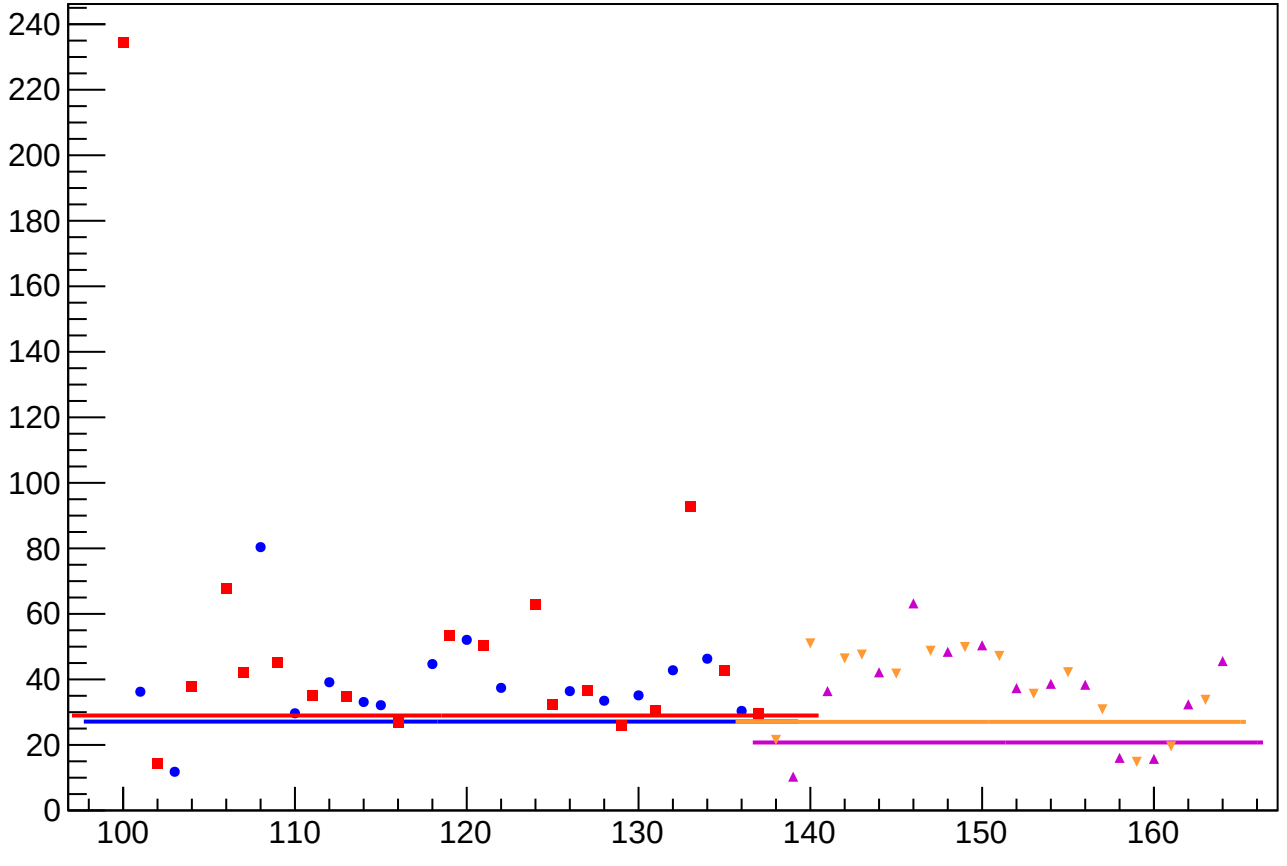
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.7/28

Out: -0.003+/-0.008 χ^2/NDF:57.8/32

All: -0.005+/-0.005 χ^2/NDF: 86.6/61

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.038+/-0.007 χ^2/NDF:3571923.1/13

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.748+/-0.006 χ^2/NDF:5436324.1/12

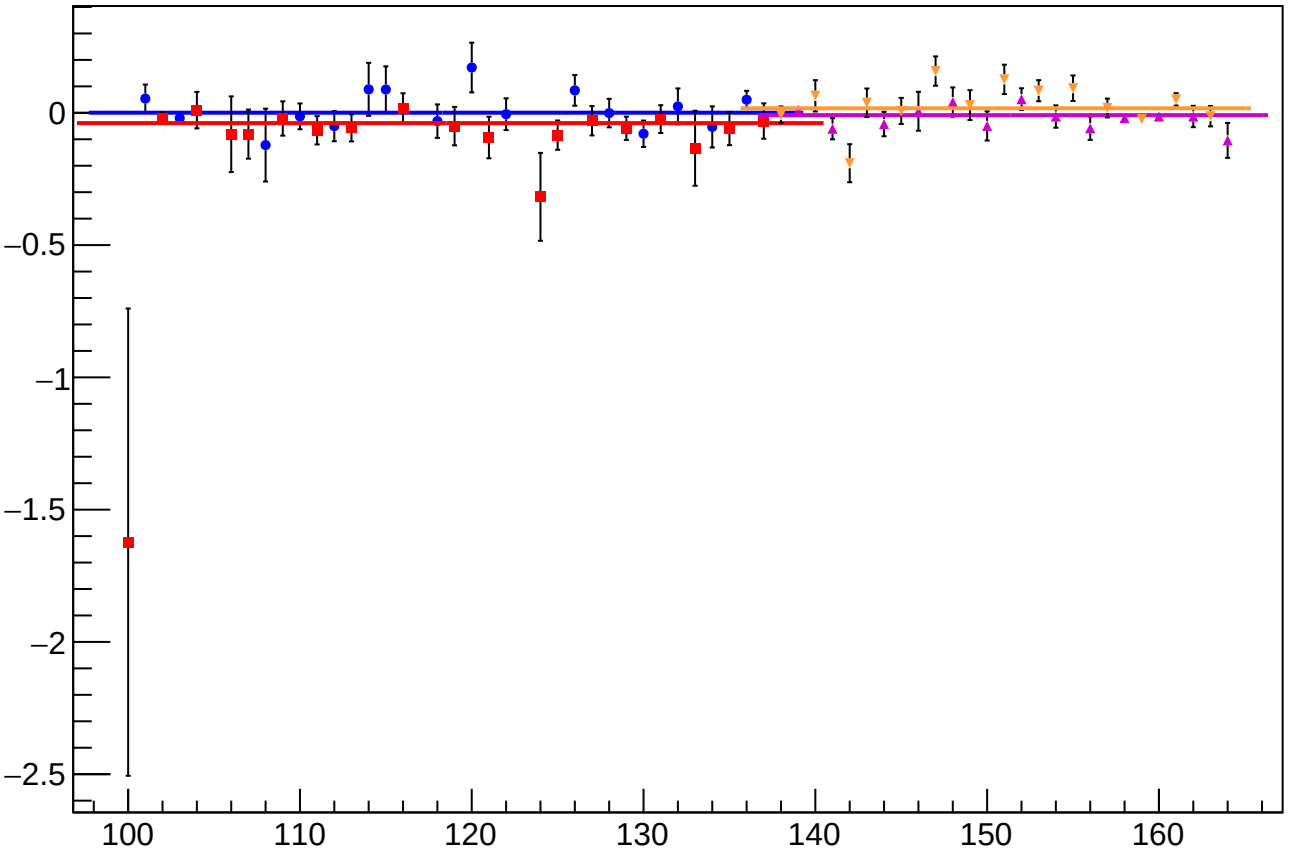
Left: 23.315+/-0.004 χ^2/NDF: 9533097.4/26

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.650+/-0.005 χ^2/NDF:8246475.2/28

Out: 27.735+/-0.005 χ^2/NDF:6057943.5/32

All: 24.836+/-0.004 χ^2/NDF: 14819247.5/61



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.009+/-0.008 χ^2/NDF:11.8/12

Left: 0.002+/-0.006 χ^2/NDF: 50.4/26

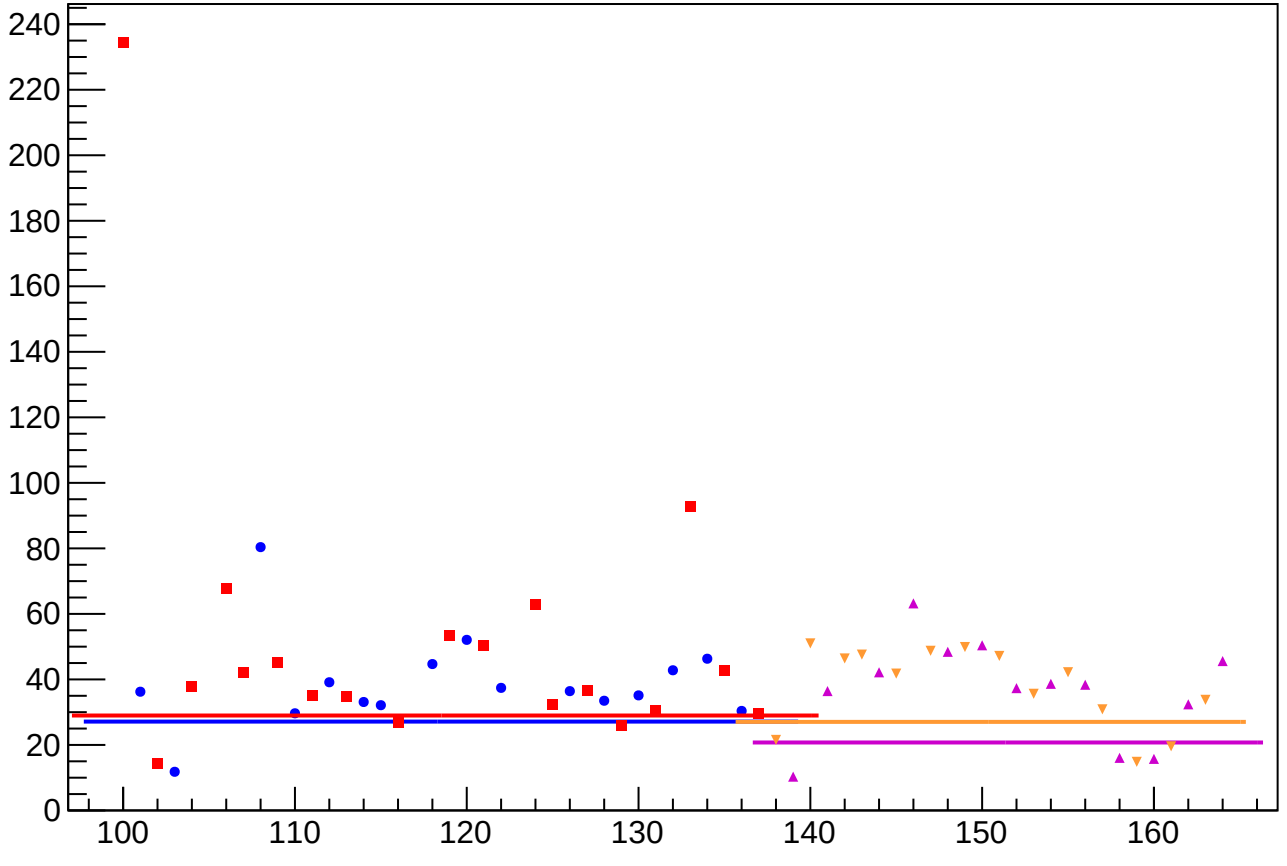
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.006+/-0.007 χ^2/NDF:28.7/28

Out: -0.003+/-0.008 χ^2/NDF:57.8/32

All: -0.005+/-0.005 χ^2/NDF: 86.6/61

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: 27.038+/-0.007 χ^2/NDF:3571923.1/13

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.748+/-0.006 χ^2/NDF:5436324.1/12

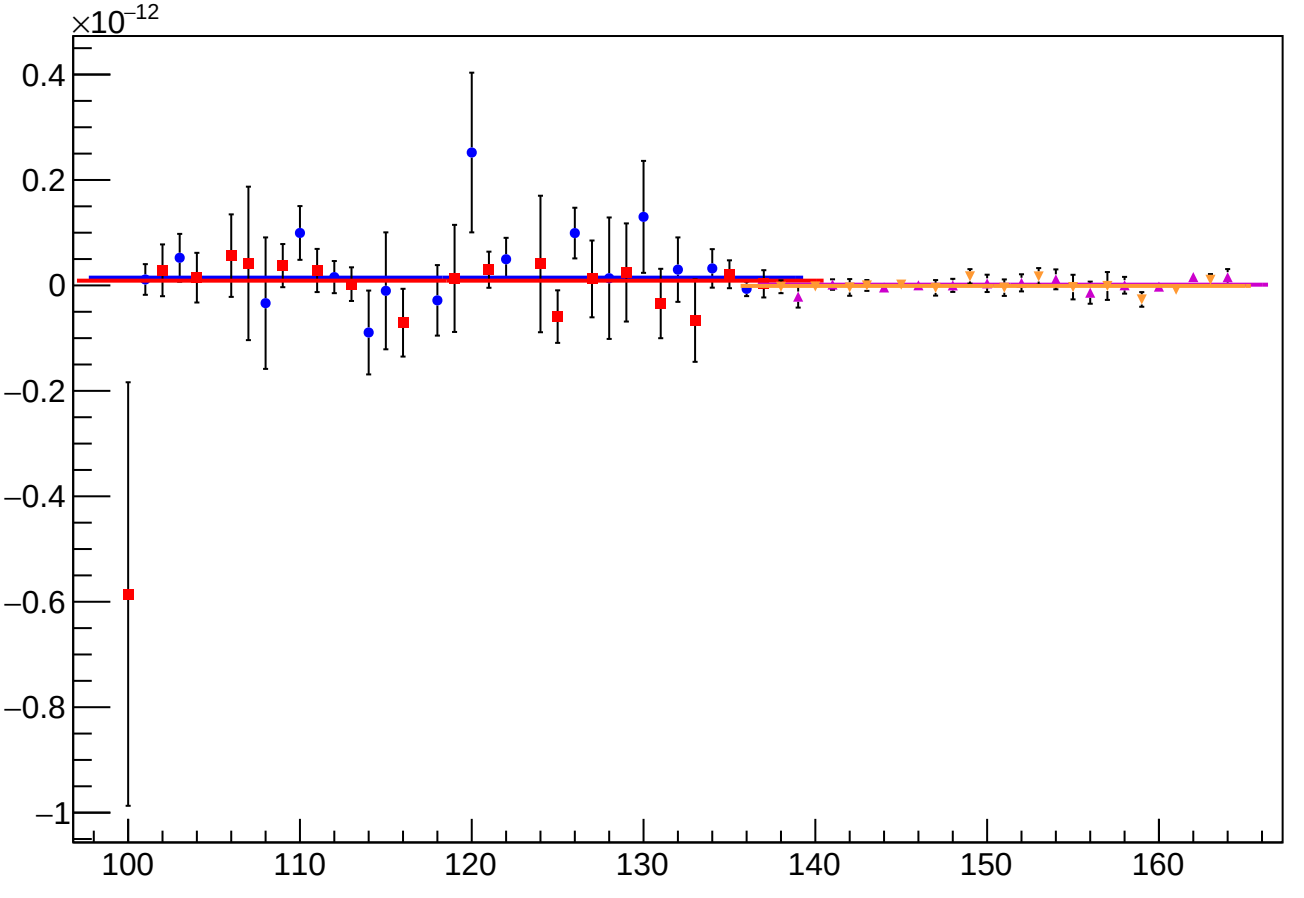
Left: 23.315+/-0.004 χ^2/NDF: 9533097.4/26

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.650+/-0.005 χ^2/NDF:8246475.2/28

Out: 27.735+/-0.005 χ^2/NDF:6057943.5/32

All: 24.836+/-0.004 χ^2/NDF: 14819247.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/12

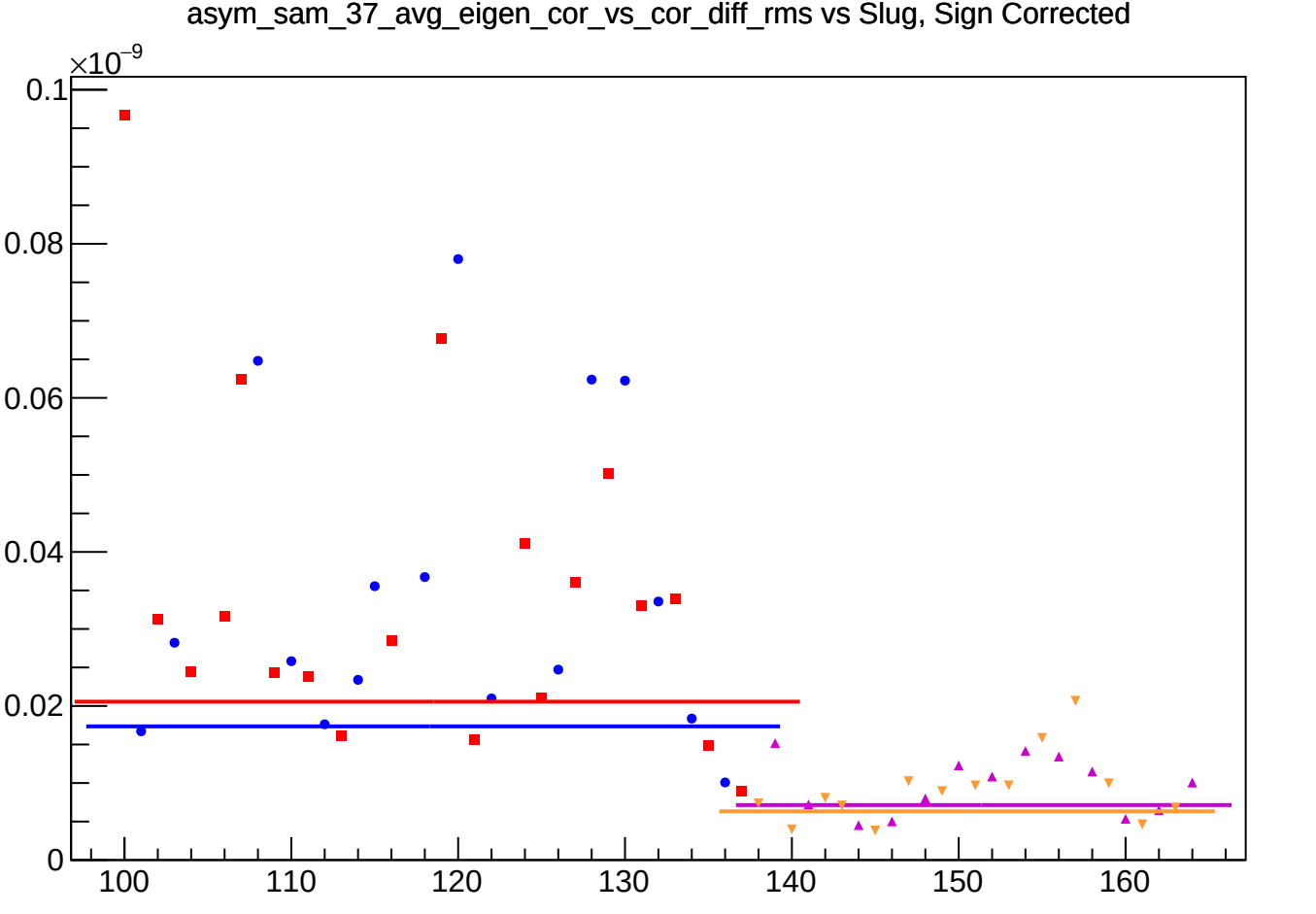
Left: 0.000+/-0.000 χ^2/NDF: 15.3/26

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:23.9/28

Out: -0.000+/-0.000 χ^2/NDF:18.6/32

All: 0.000+/-0.000 χ^2/NDF: 43.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2151982.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1825940.8/12

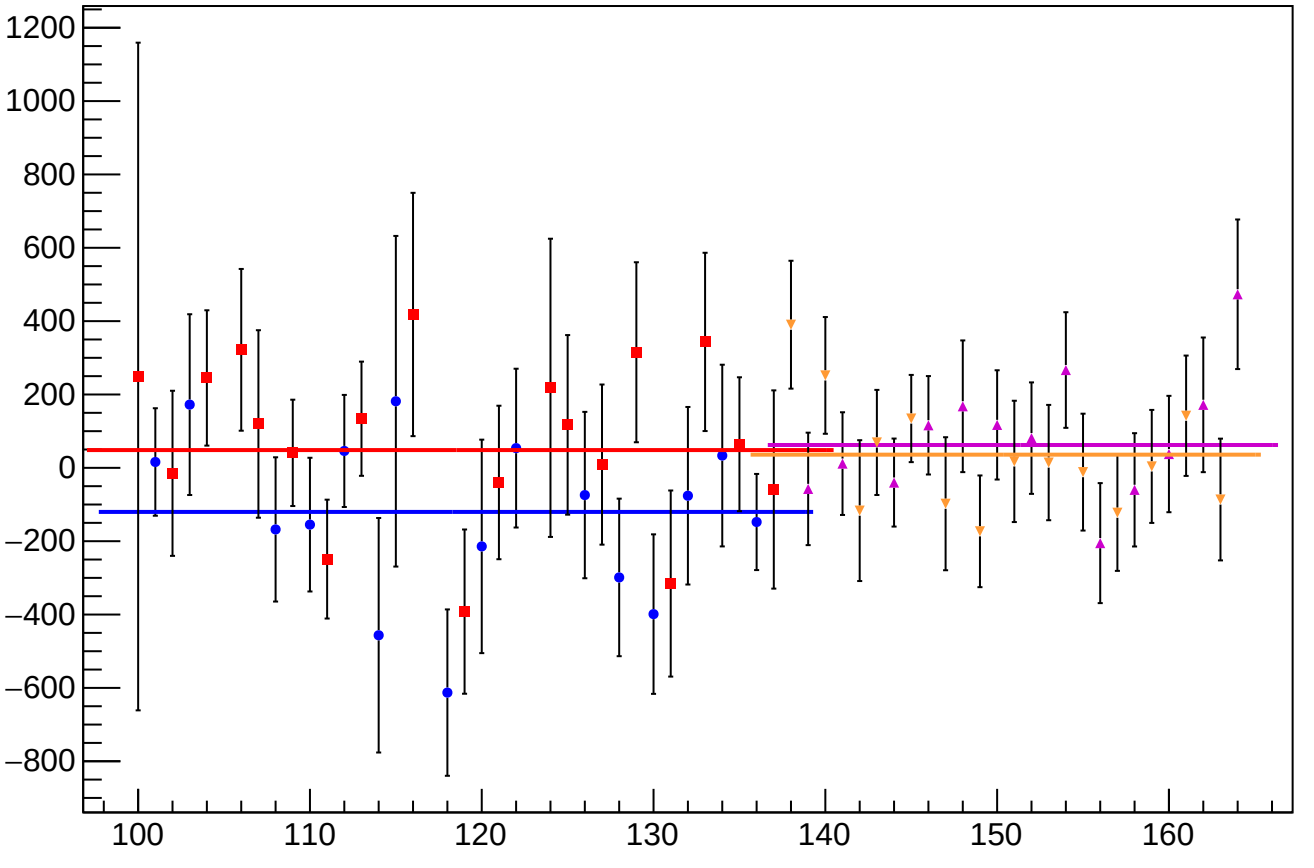
Left: 0.000+/-0.000 χ^2/NDF: 4050701.9/26

Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:6371435.7/28

Out: 0.000+/-0.000 χ^2/NDF:7301194.7/32

All: 0.000+/-0.000 χ^2/NDF: 13763554.8/61



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 35.952+/-42.099 χ^2/NDF:11.9/13

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 62.300+/-42.605 χ^2/NDF:11.5/12

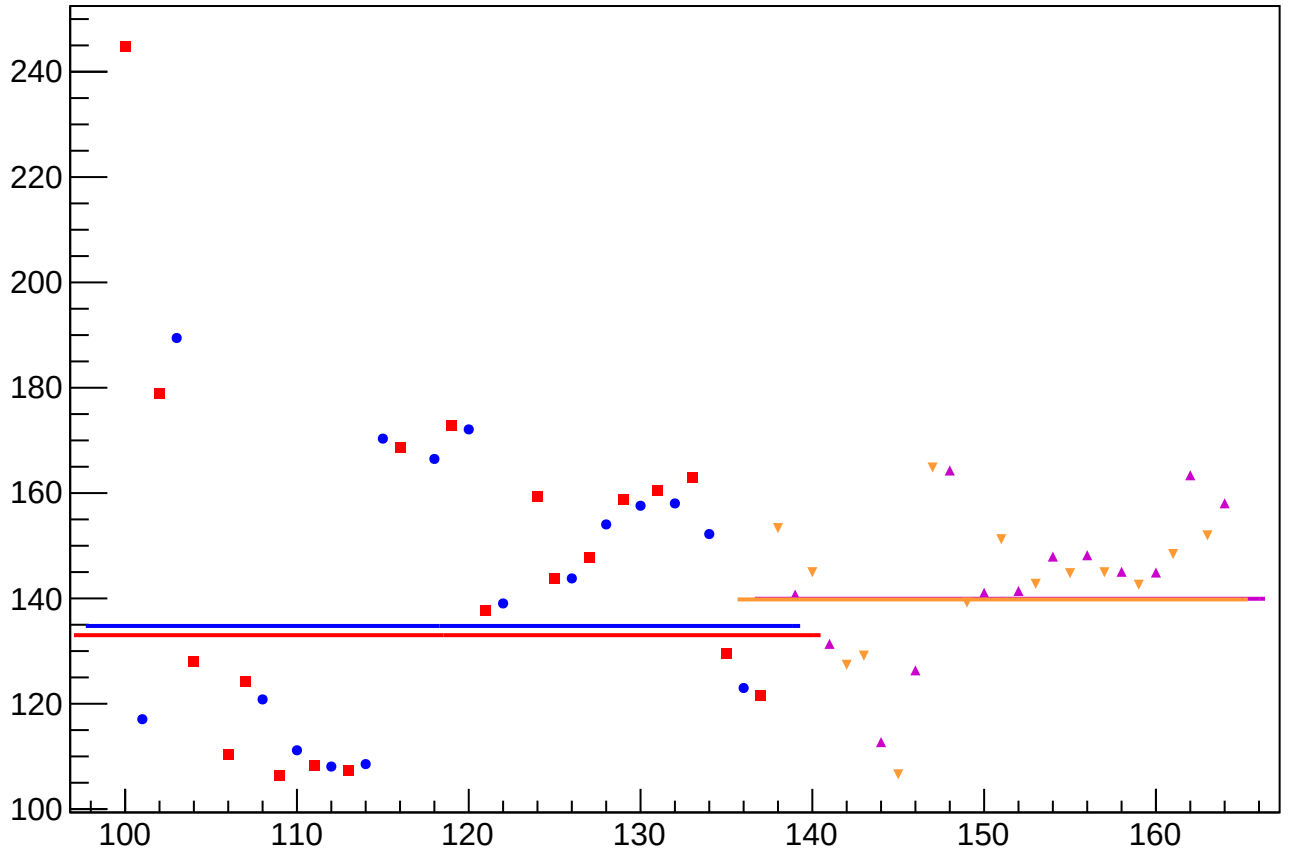
Left: 48.969+/-29.946 χ^2/NDF: 23.6/26

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -12.517+/-32.724 χ^2/NDF:32.5/28

Out: 41.147+/-32.180 χ^2/NDF:28.9/32

All: 14.765+/-22.944 χ^2/NDF: 62.8/61



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.804+/-0.030 χ^2/NDF:259107.1/13

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 139.934+/-0.030 χ^2/NDF:230904.2/12

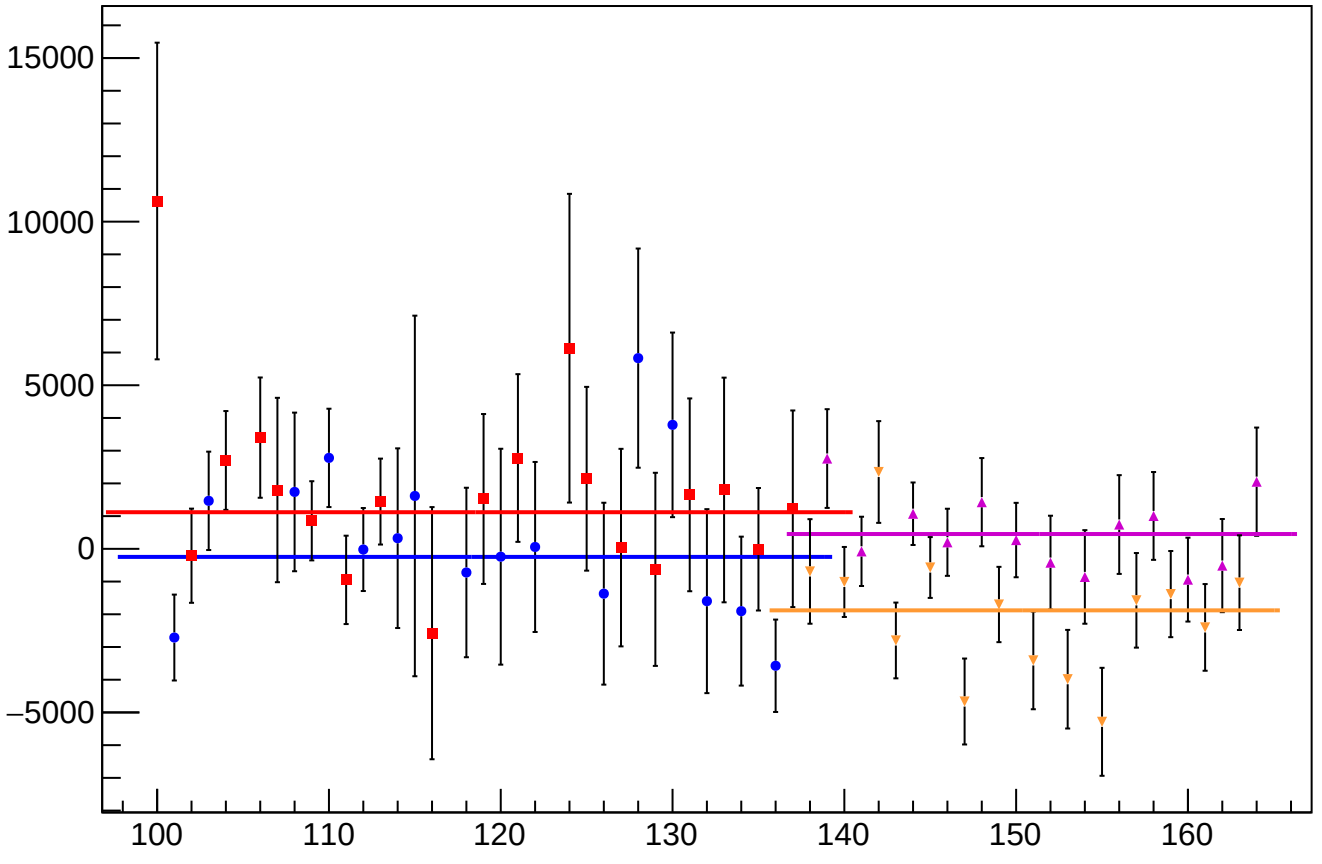
Left: 139.868+/-0.021 χ^2/NDF: 490020.7/26

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 137.817+/-0.023 χ^2/NDF:659723.7/28

Out: 136.983+/-0.023 χ^2/NDF:776416.7/32

All: 137.393+/-0.016 χ^2/NDF: 1436799.8/61



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1880.102+/-347.598 χ^2/NDF:23.7/13

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 452.878+/-350.525 χ^2/NDF:7.6/12

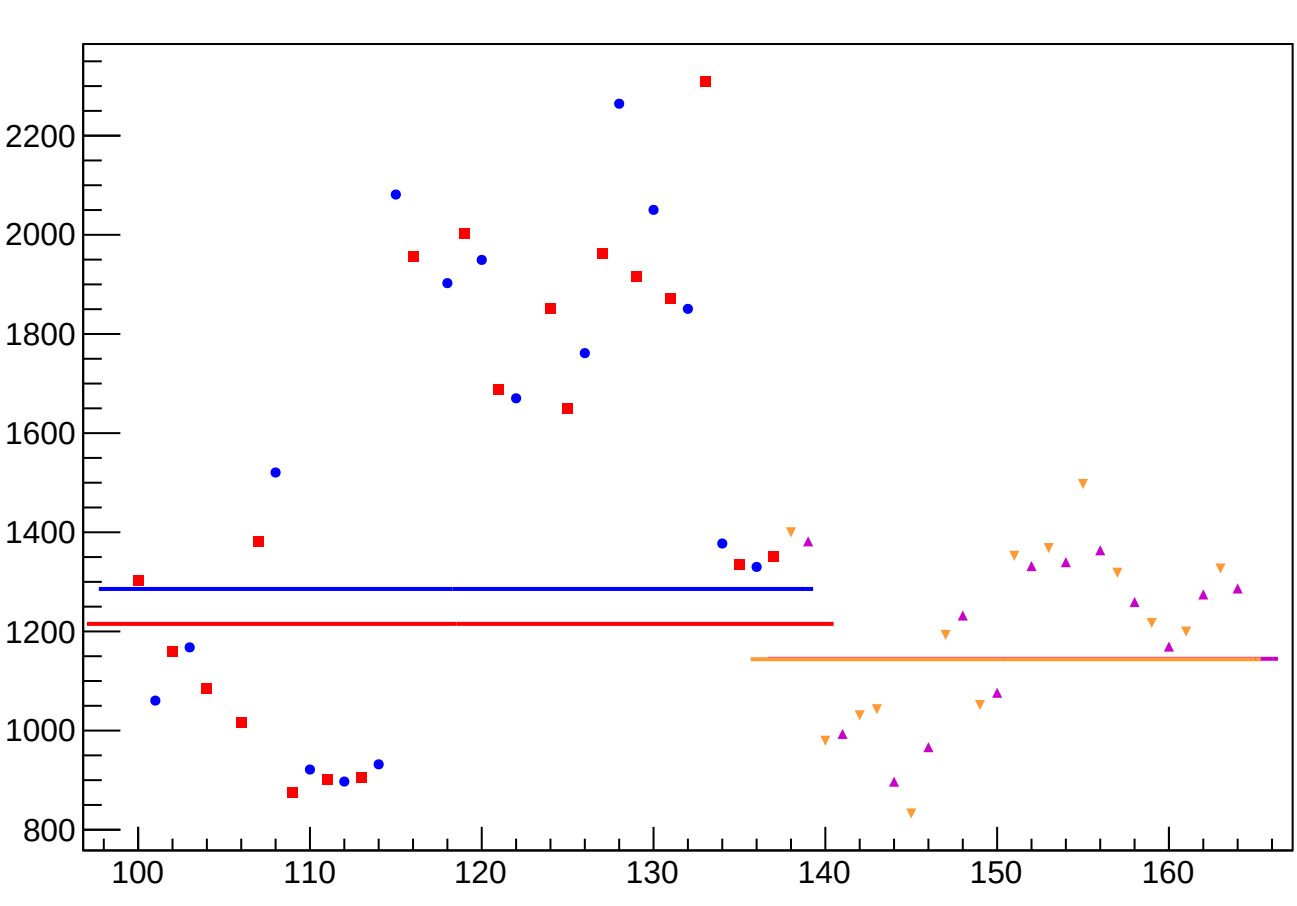
Left: -723.394+/-246.817 χ^2/NDF: 53.6/26

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 223.337+/-287.286 χ^2/NDF:30.5/28

Out: -814.874+/-279.133 χ^2/NDF:63.5/32

All: -310.709+/-200.197 χ^2/NDF: 100.8/61



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1143.926+/-0.246 χ^2/NDF:609979.7/13

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1144.782+/-0.248 χ^2/NDF:460891.3/12

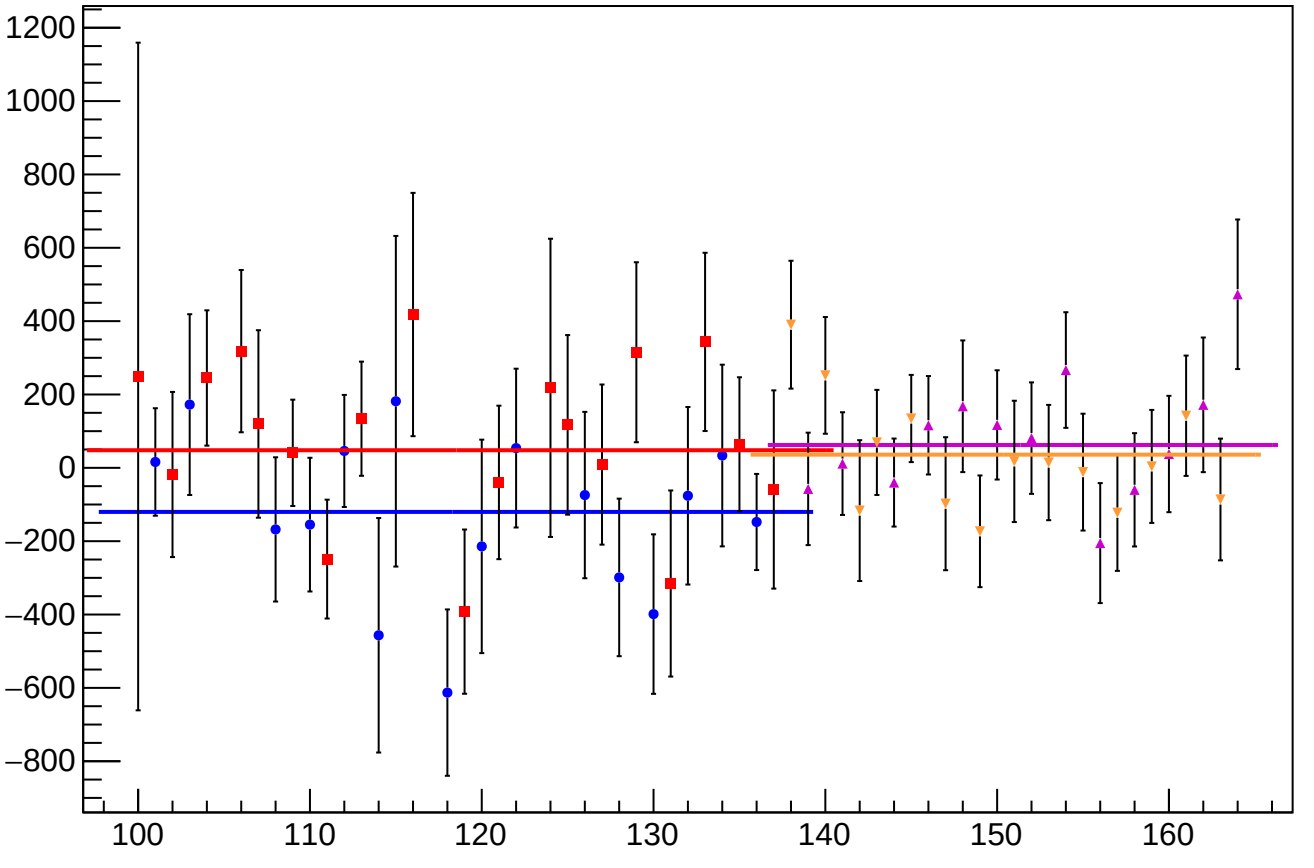
Left: 1144.350+/-0.175 χ^2/NDF: 1070876.9/26

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1191.031+/-0.203 χ^2/NDF:1737392.4/28

Out: 1169.251+/-0.197 χ^2/NDF:2026164.2/32

All: 1179.827+/-0.142 χ^2/NDF: 3769470.0/61



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 35.958+/-42.099 χ^2/NDF:11.9/13

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 62.302+/-42.605 χ^2/NDF:11.5/12

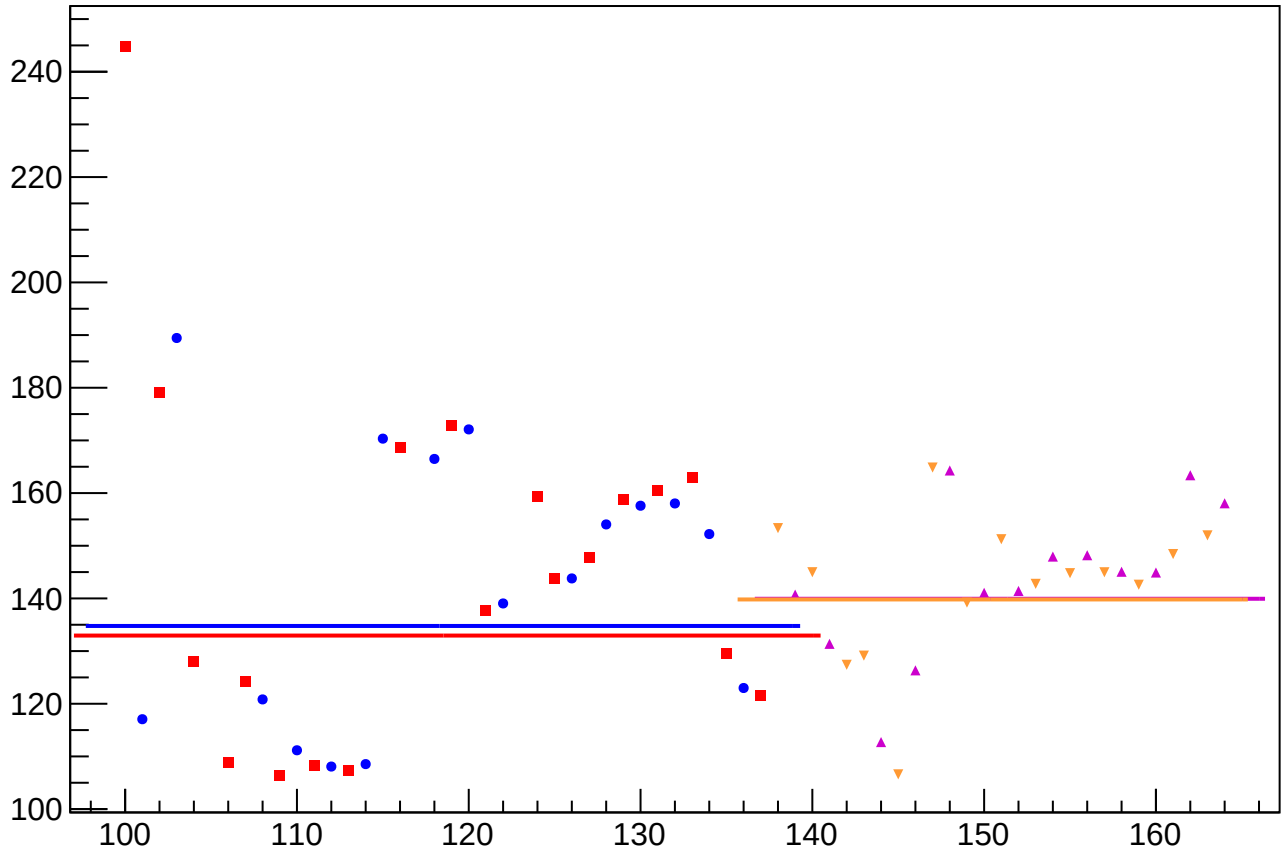
Left: 48.972+/-29.946 χ^2/NDF: 23.6/26

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -12.520+/-32.724 χ^2/NDF:32.5/28

Out: 40.968+/-32.182 χ^2/NDF:28.9/32

All: 14.670+/-22.945 χ^2/NDF: 62.7/61



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.804+/-0.030 χ^2/NDF:259107.1/13

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.934+/-0.030 χ^2/NDF:230904.3/12

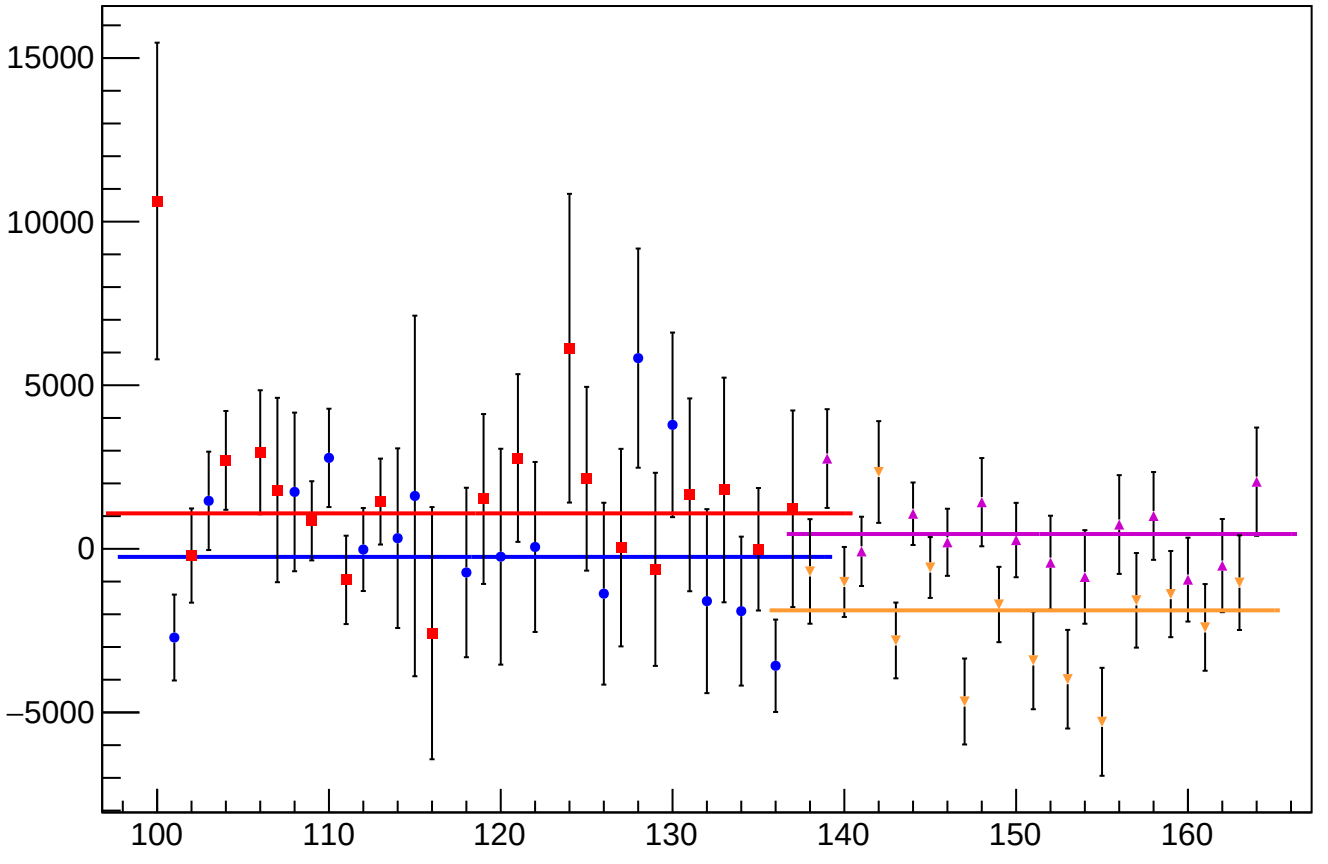
Left: 139.868+/-0.021 χ^2/NDF: 490020.7/26

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.817+/-0.023 χ^2/NDF:659726.6/28

Out: 136.954+/-0.023 χ^2/NDF:780008.8/32

All: 137.378+/-0.016 χ^2/NDF: 1440442.2/61



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1880.095+/-347.597 χ^2/NDF:23.7/13

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 452.886+/-350.525 χ^2/NDF:7.6/12

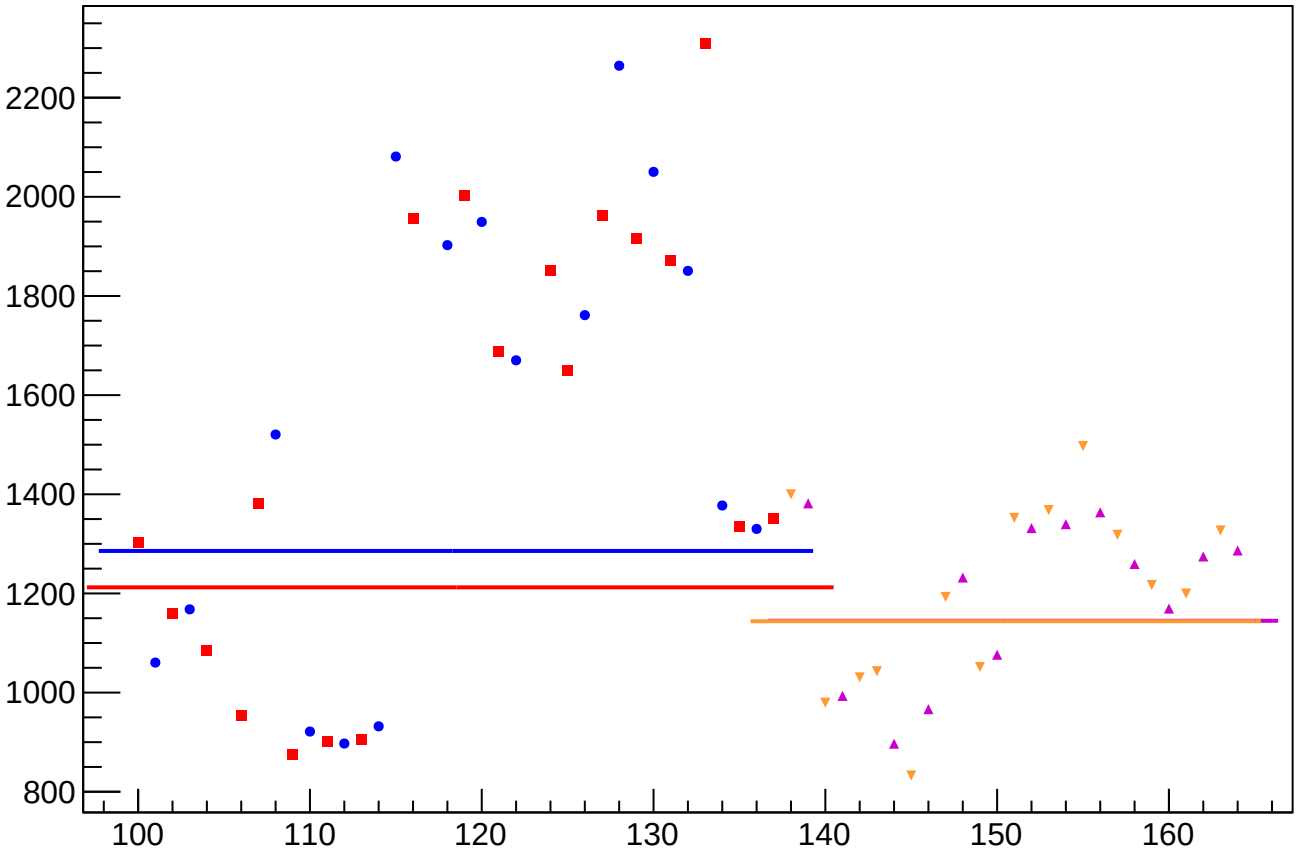
Left: -723.388+/-246.817 χ^2/NDF: 53.6/26

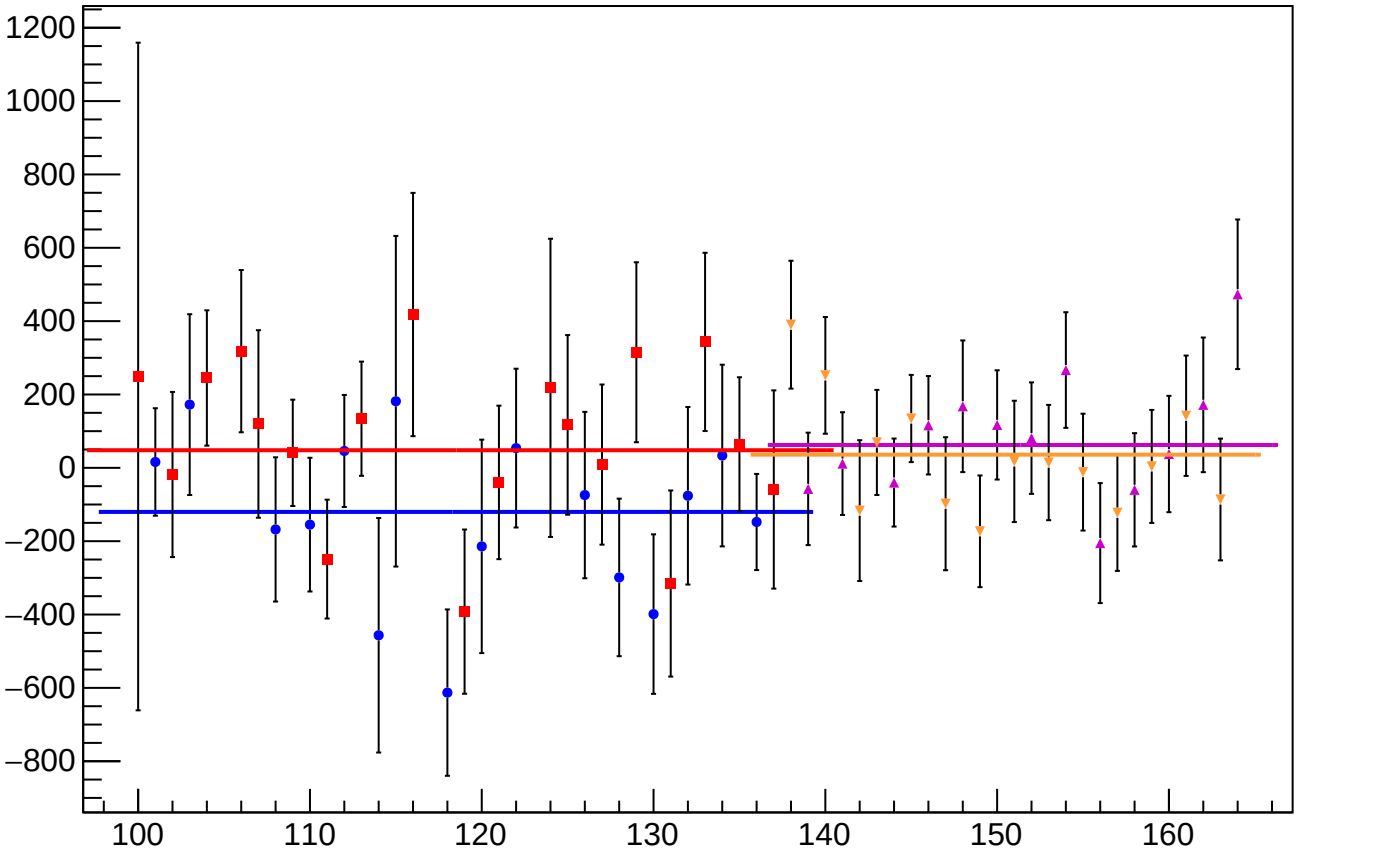
Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

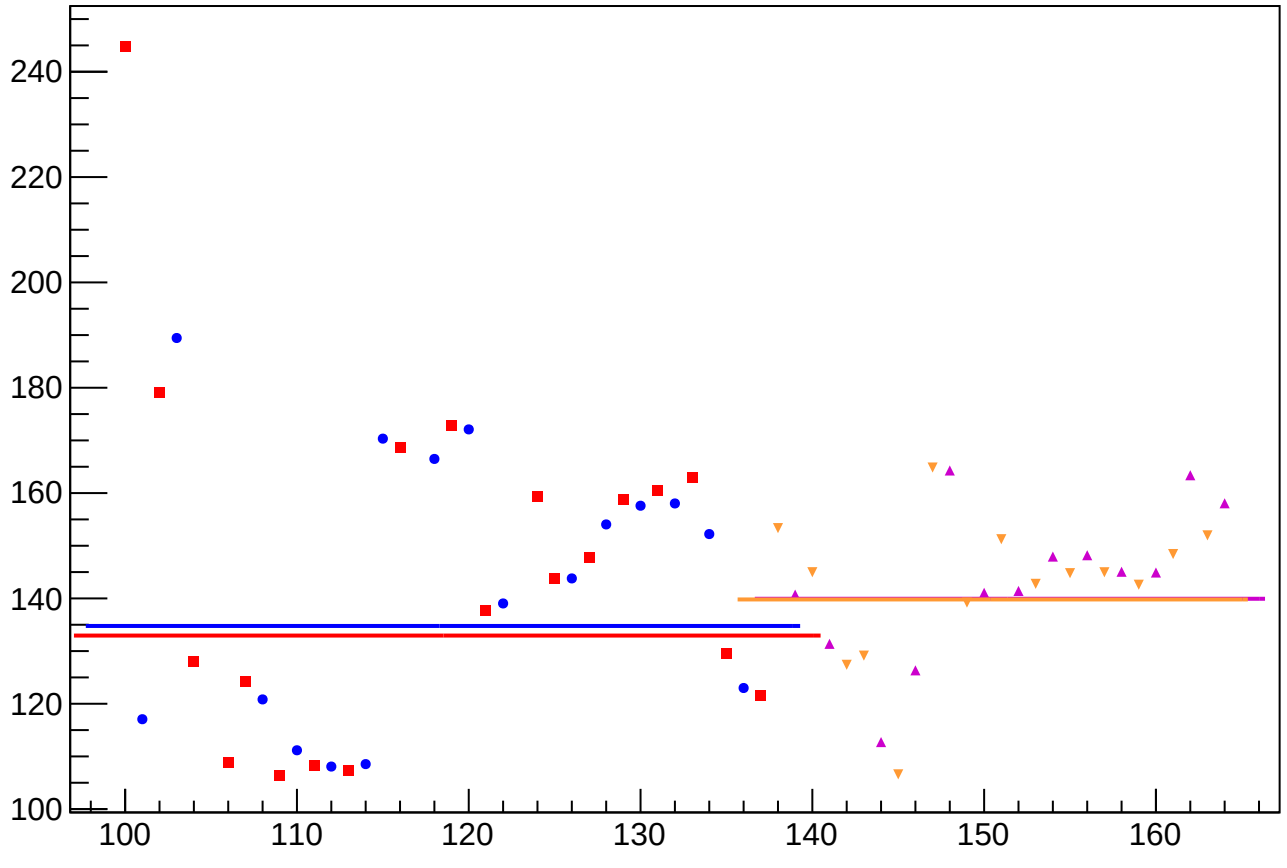
In: 223.321+/-287.287 χ^2/NDF:30.5/28

Out: -830.088+/-279.329 χ^2/NDF:62.2/32

All: -318.176+/-200.270 χ^2/NDF: 99.7/61


asym_sam_48_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1285.682+/-0.355 χ²/NDF: 1170412.5/15
Left Out: 1143.925+/-0.246 χ²/NDF:609981.5/13
Right Out: 1212.276+/-0.332 χ²/NDF: 1400635.5/18
Left In: 1144.782+/-0.248 χ²/NDF:460889.2/12
Left: 1144.350+/-0.175 χ²/NDF: 1070876.7/26
Right: 1246.554+/-0.242 χ²/NDF: 2593895.7/34
In: 1191.035+/-0.203 χ²/NDF:1737384.1/28
Out: 1168.137+/-0.198 χ²/NDF:2038010.2/32
All: 1179.265+/-0.142 χ²/NDF: 3781925.6/61


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
160
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 35.958+/-42.099 χ²/NDF:11.9/13
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 62.302+/-42.605 χ²/NDF:11.5/12
Left: 48.972+/-29.946 χ²/NDF: 23.6/26
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -12.520+/-32.724 χ²/NDF:32.5/28
Out: 40.968+/-32.182 χ²/NDF:28.9/32
All: 14.670+/-22.945 χ²/NDF: 62.7/61



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.804+/-0.030 χ^2/NDF:259107.1/13

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.934+/-0.030 χ^2/NDF:230904.3/12

Left: 139.868+/-0.021 χ^2/NDF: 490020.7/26

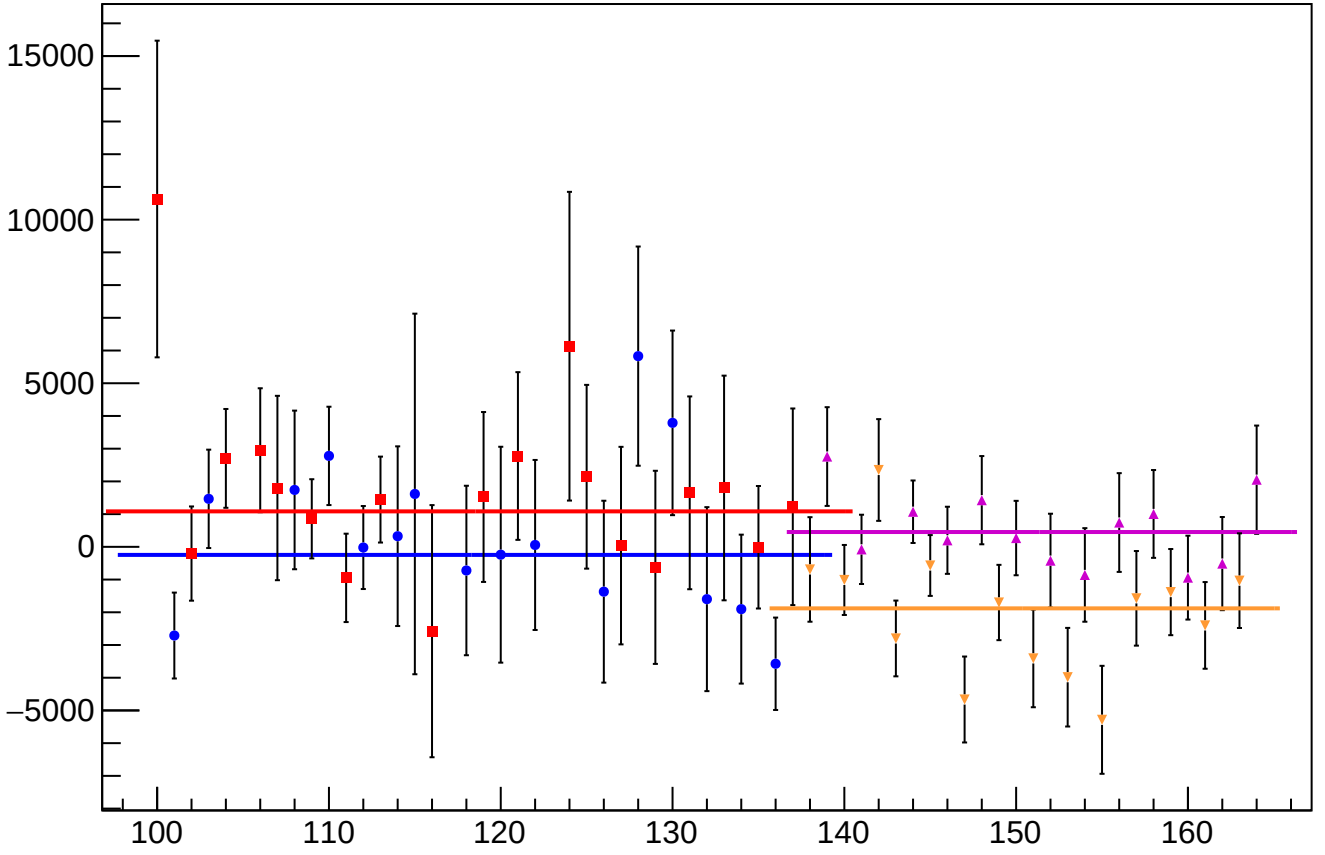
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.817+/-0.023 χ^2/NDF:659726.6/28

Out: 136.954+/-0.023 χ^2/NDF:780008.8/32

All: 137.378+/-0.016 χ^2/NDF: 1440442.2/61

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1880.095+/-347.597 χ^2/NDF:23.7/13

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 452.886+/-350.525 χ^2/NDF:7.6/12

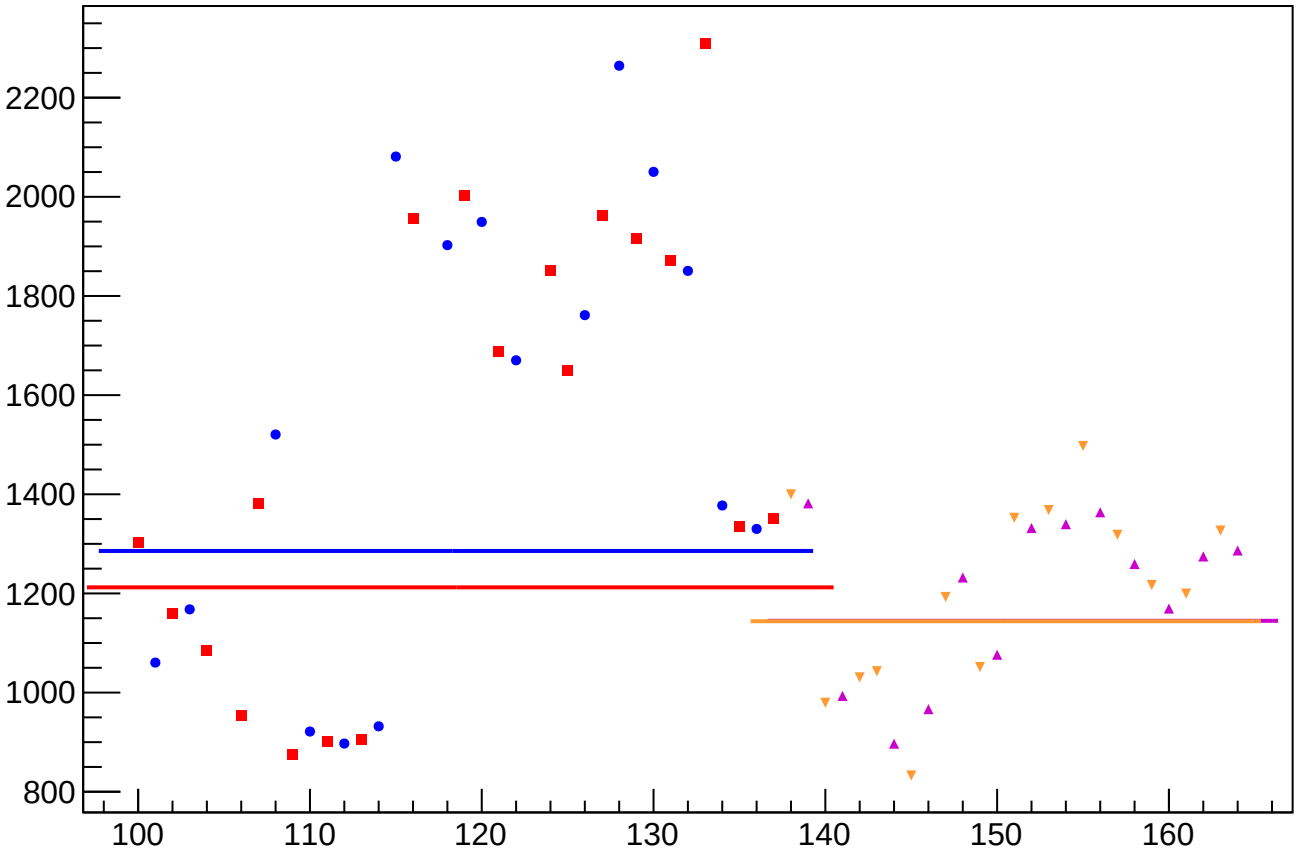
Left: -723.388+/-246.817 χ^2/NDF: 53.6/26

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 223.321+/-287.287 χ^2/NDF:30.5/28

Out: -830.088+/-279.329 χ^2/NDF:62.2/32

All: -318.176+/-200.270 χ^2/NDF: 99.7/61



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1143.925+/-0.246 χ^2/NDF:609981.5/13

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1144.782+/-0.248 χ^2/NDF:460889.2/12

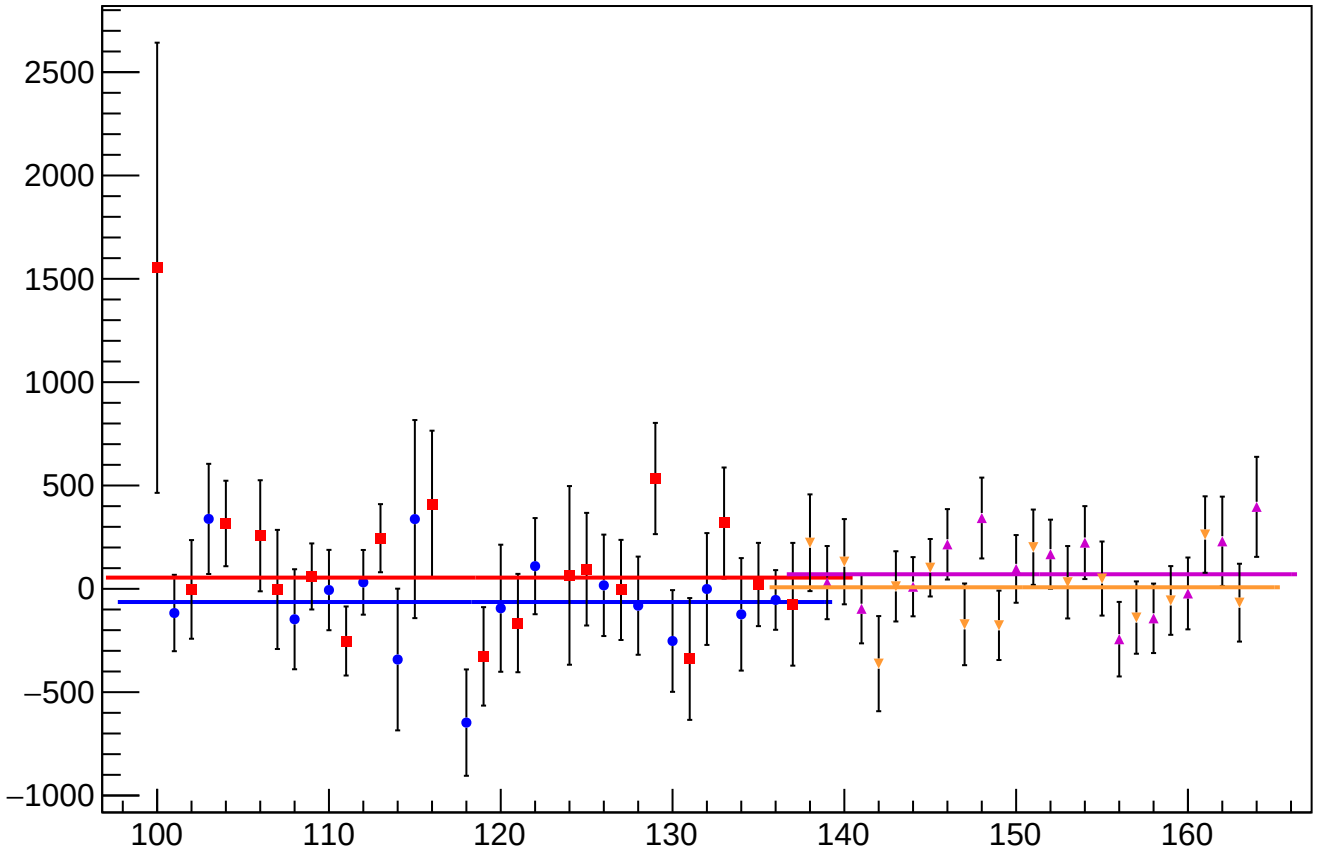
Left: 1144.350+/-0.175 χ^2/NDF: 1070876.7/26

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1191.035+/-0.203 χ^2/NDF:1737384.1/28

Out: 1168.137+/-0.198 χ^2/NDF:2038010.2/32

All: 1179.265+/-0.142 χ^2/NDF: 3781925.6/61



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 7.536+/-48.328 χ^2/NDF:10.4/13

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 70.517+/-48.799 χ^2/NDF:12.3/12

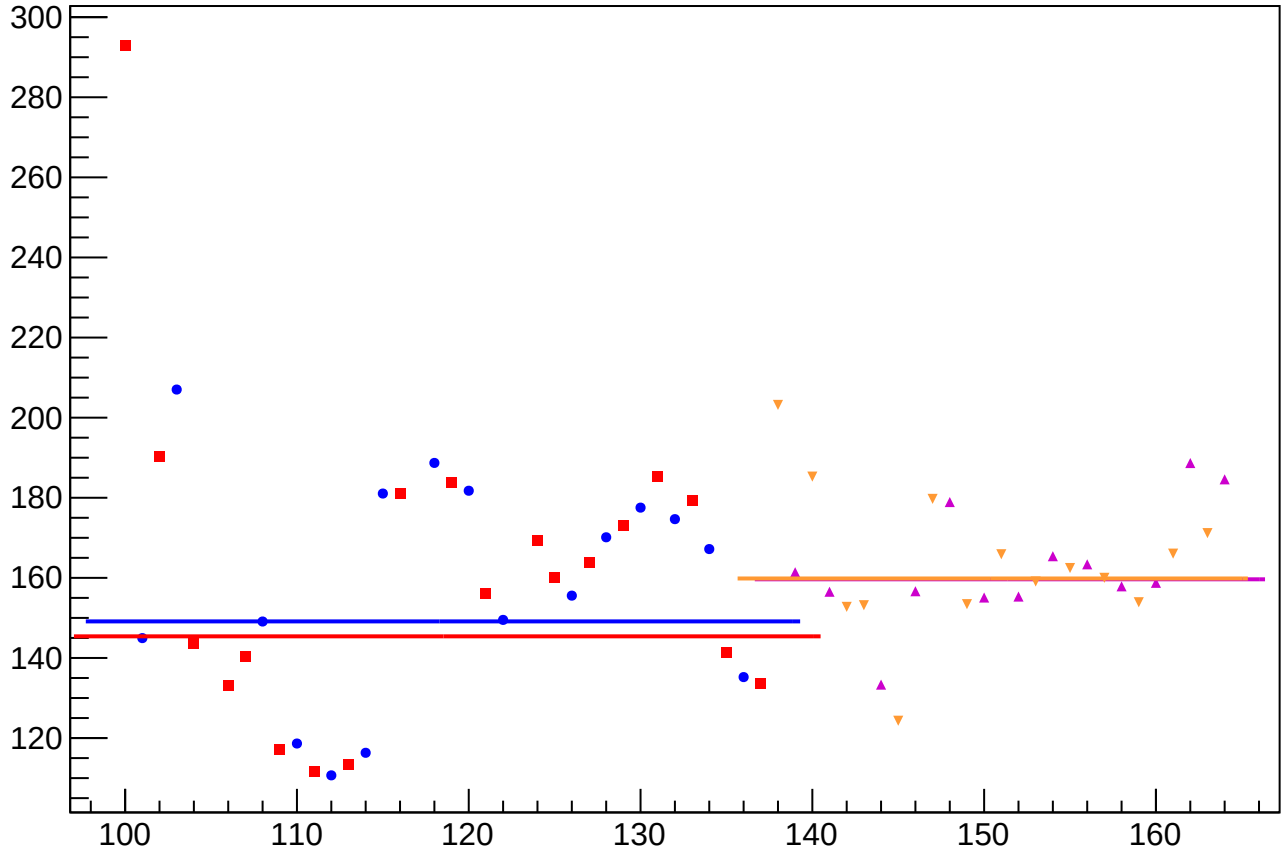
Left: 38.721+/-34.338 χ^2/NDF: 23.5/26

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 13.409+/-36.996 χ^2/NDF:26.3/28

Out: 28.021+/-36.230 χ^2/NDF:30.3/32

All: 20.868+/-25.885 χ^2/NDF: 56.7/61



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 159.844+/-0.034 χ^2/NDF:272305.1/13

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 159.639+/-0.035 χ^2/NDF:151862.3/12

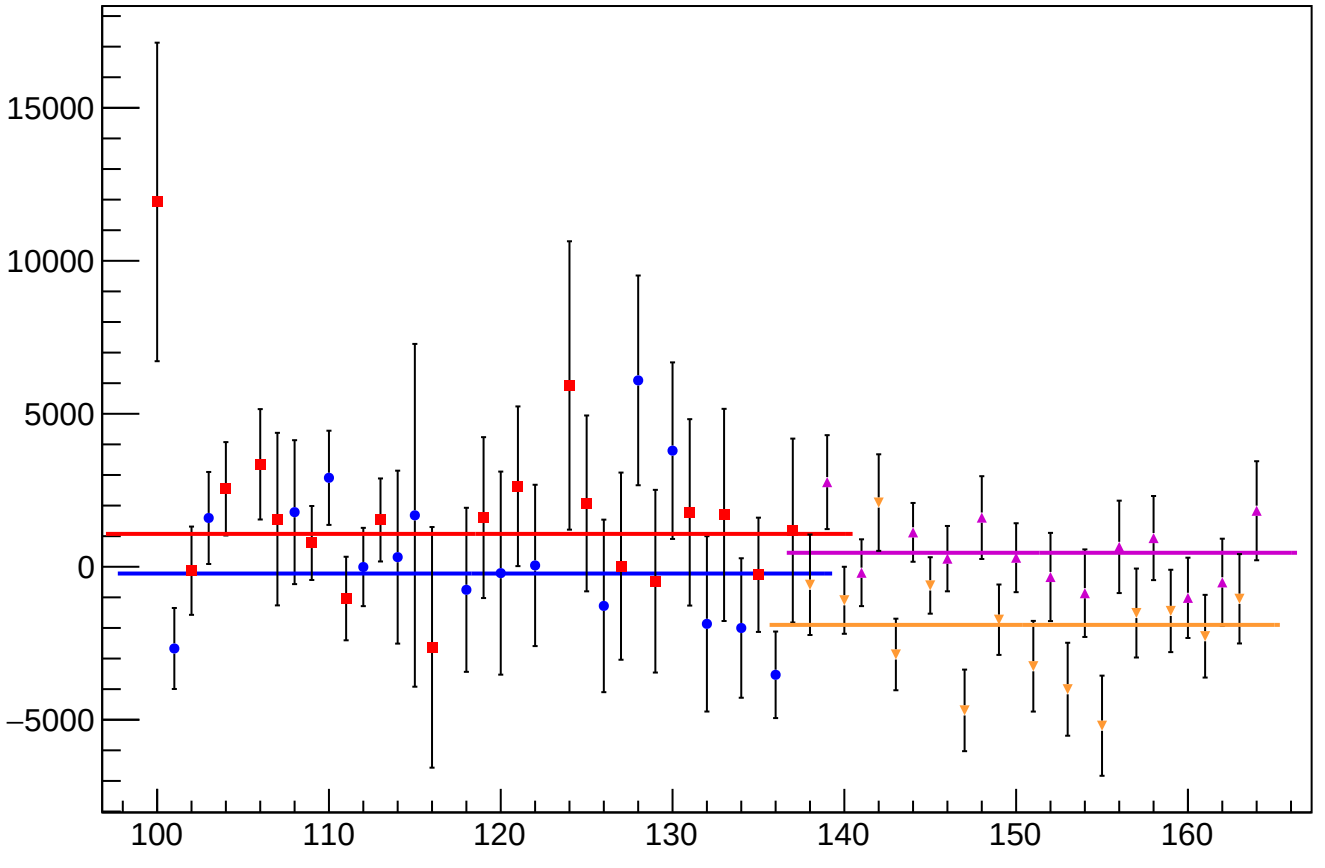
Left: 159.743+/-0.024 χ^2/NDF: 424185.4/26

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 155.170+/-0.026 χ^2/NDF:642305.6/28

Out: 153.517+/-0.026 χ^2/NDF:876387.3/32

All: 154.326+/-0.018 χ^2/NDF: 1520731.1/61



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1899.698+/-350.645 χ^2/NDF:22.0/13

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 456.837+/-354.730 χ^2/NDF:7.6/12

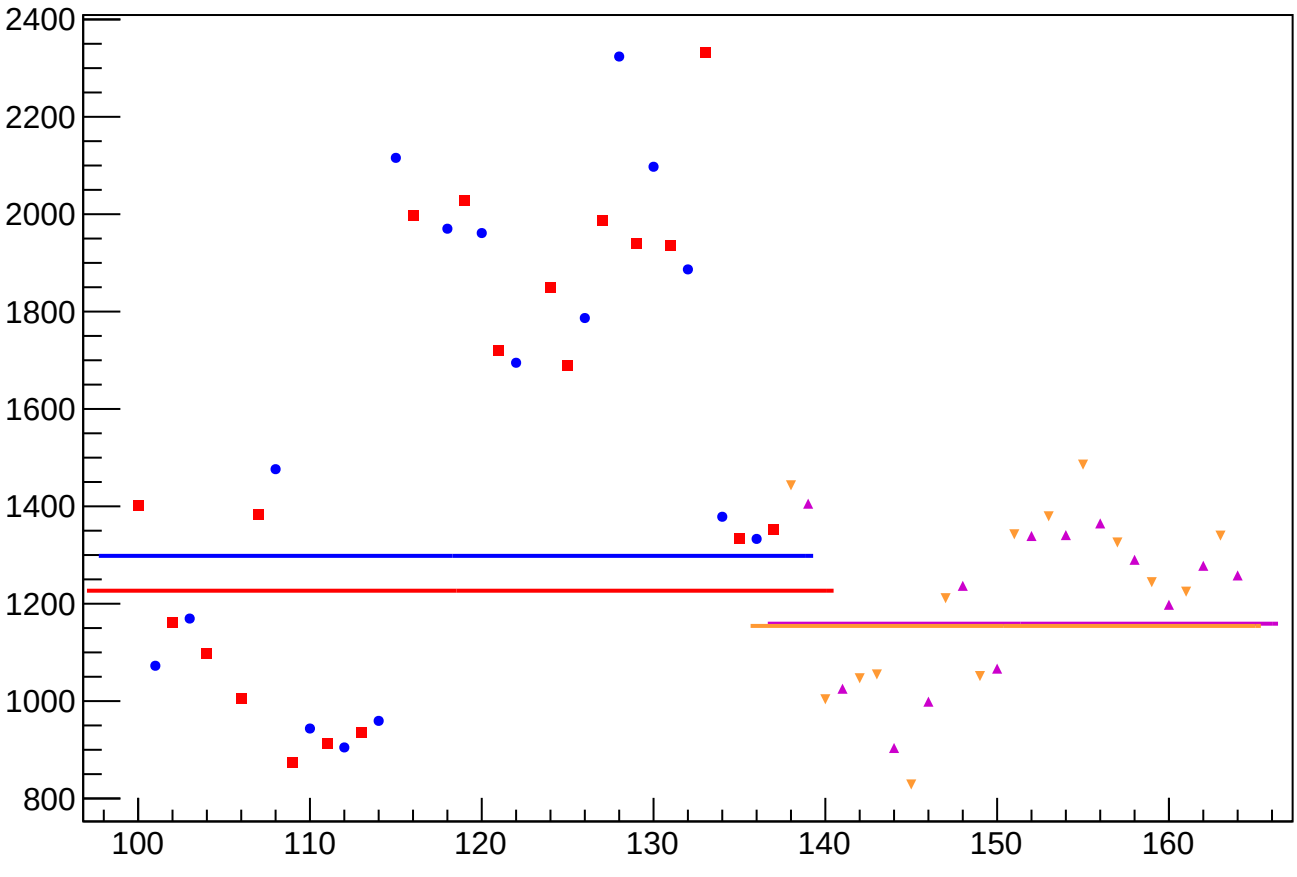
Left: -735.077+/-249.375 χ^2/NDF: 52.0/26

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 233.517+/-290.501 χ^2/NDF:30.7/28

Out: -844.379+/-281.646 χ^2/NDF:61.2/32

All: -322.110+/-202.212 χ^2/NDF: 99.0/61



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1154.411+/-0.248 χ^2/NDF:624710.3/13

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1158.977+/-0.251 χ^2/NDF:429726.6/12

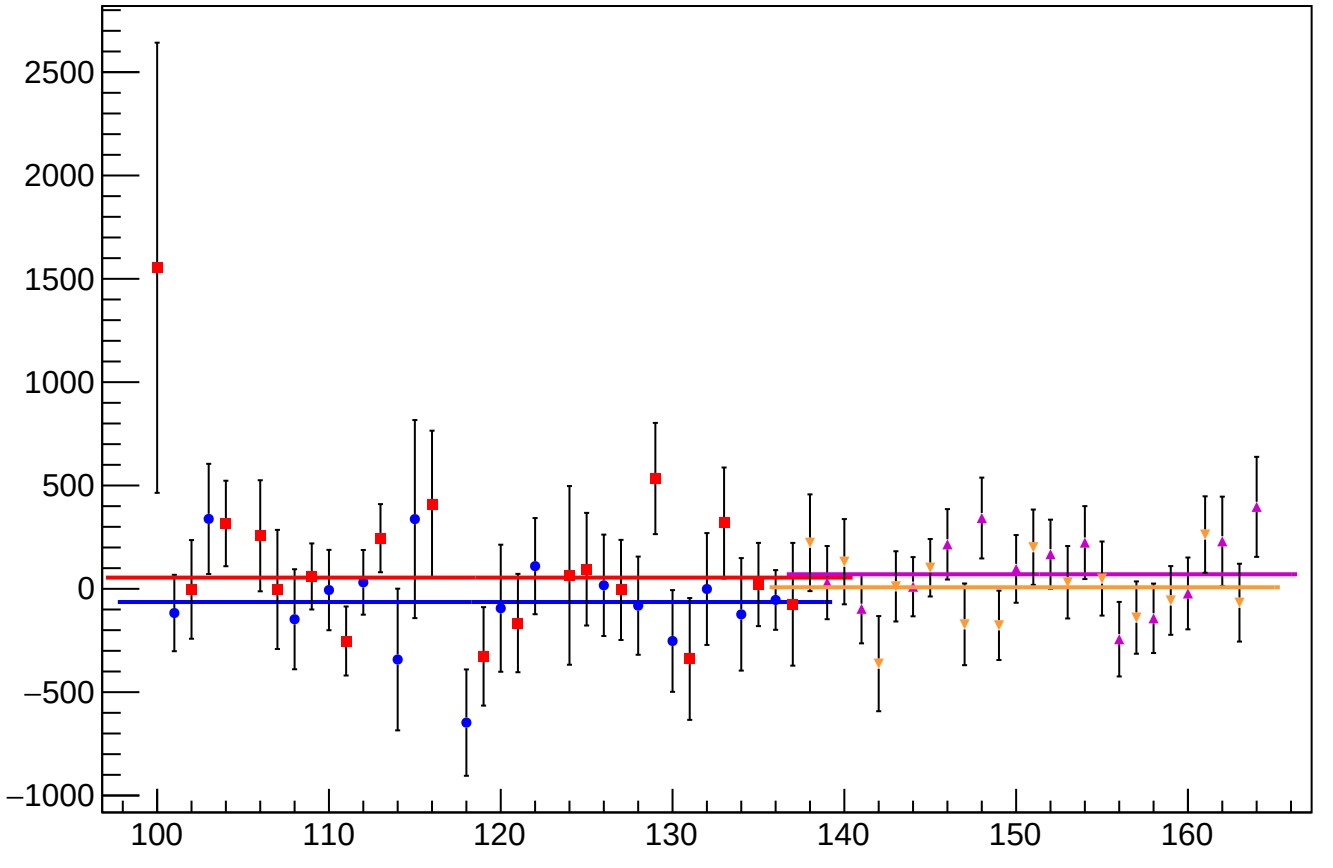
Left: 1156.667+/-0.176 χ^2/NDF: 1054604.5/26

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1204.860+/-0.205 χ^2/NDF:1713447.5/28

Out: 1180.071+/-0.199 χ^2/NDF:2059418.3/32

All: 1192.082+/-0.143 χ^2/NDF: 3780372.4/61



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 7.539+/-48.328 χ^2/NDF:10.4/13

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 70.517+/-48.799 χ^2/NDF:12.3/12

Left: 38.722+/-34.338 χ^2/NDF: 23.5/26

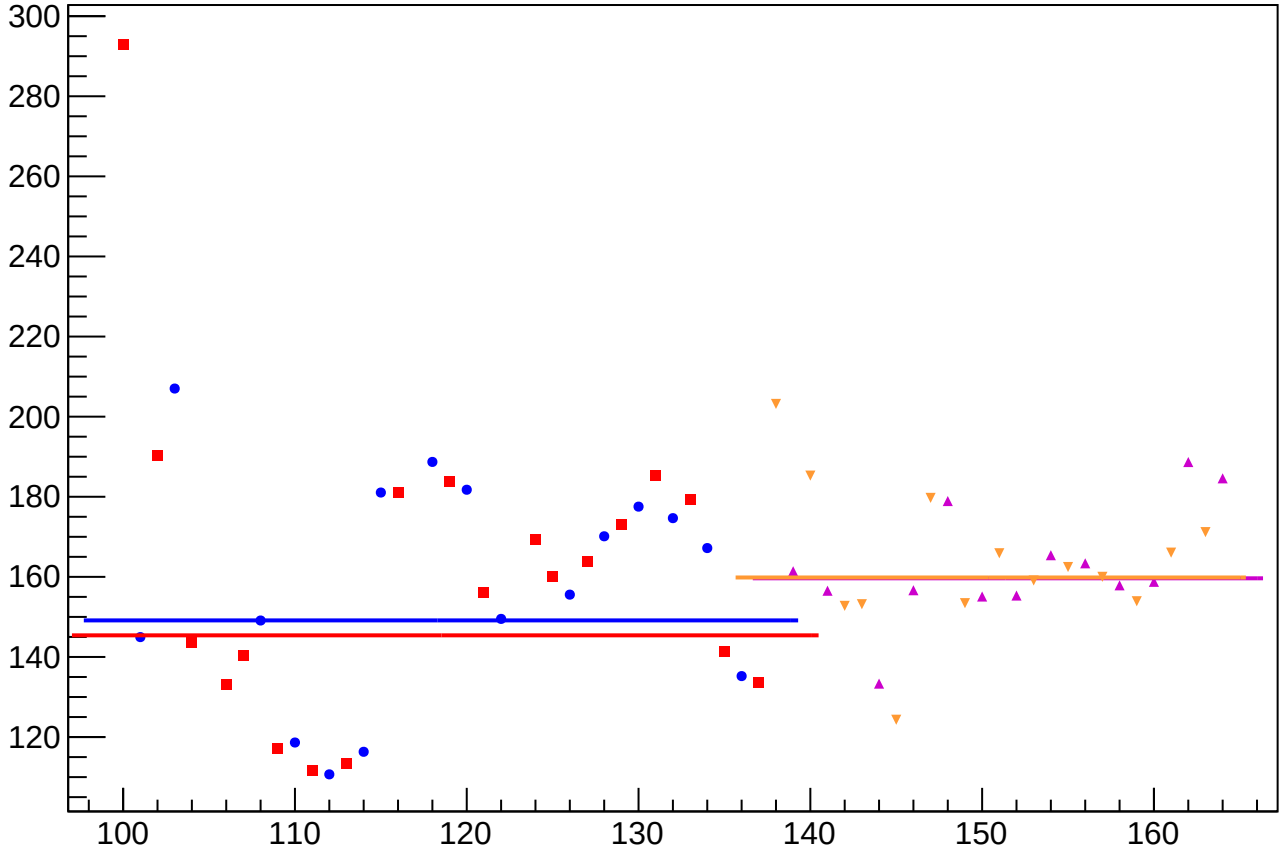
Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 13.410+/-36.996 χ^2/NDF:26.3/28

Out: 28.022+/-36.230 χ^2/NDF:30.3/32

All: 20.869+/-25.885 χ^2/NDF: 56.7/61

eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 159.845+/-0.034 χ^2/NDF:272298.8/13

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 159.639+/-0.035 χ^2/NDF:151860.5/12

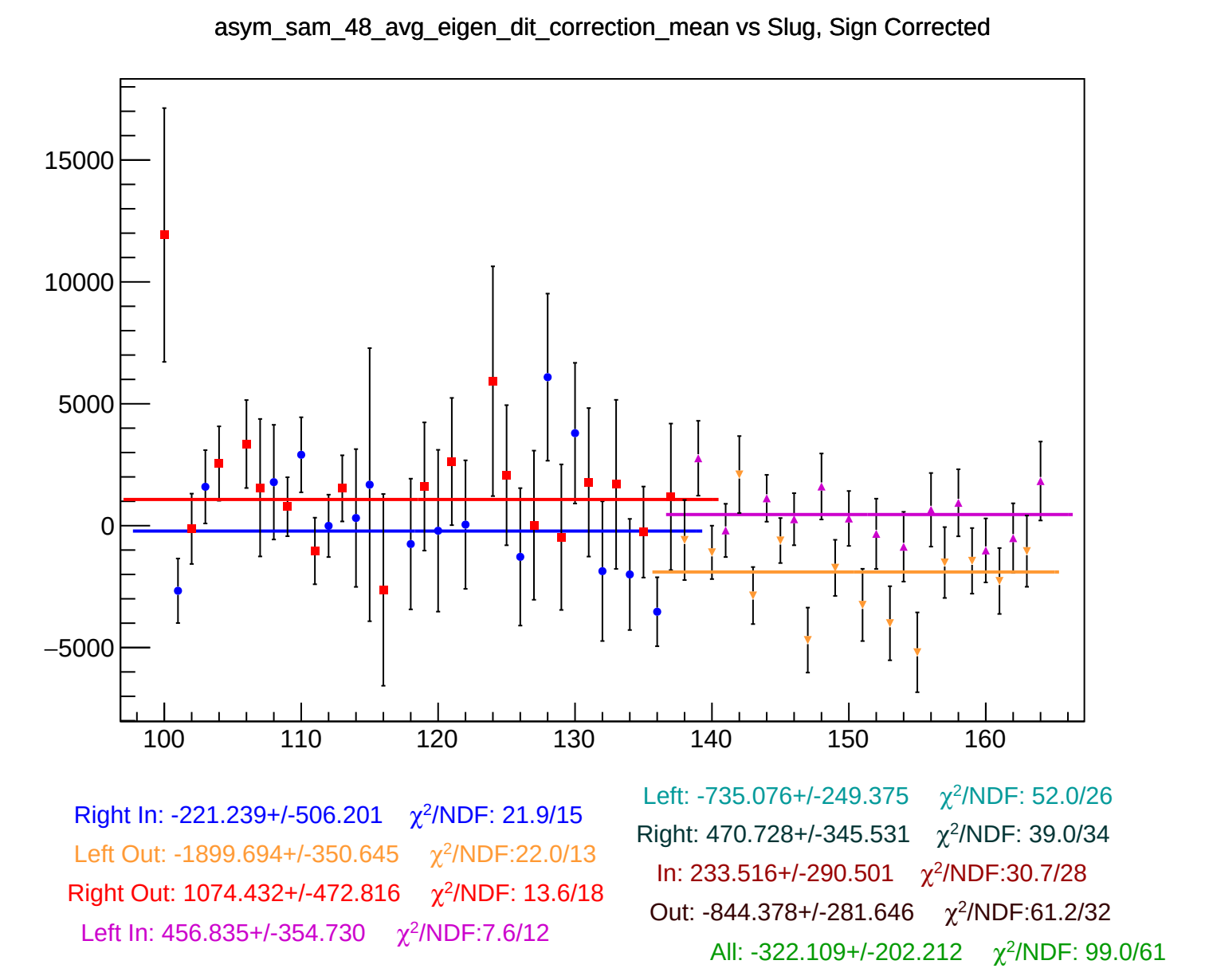
Left: 159.743+/-0.024 χ^2/NDF: 424177.1/26

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

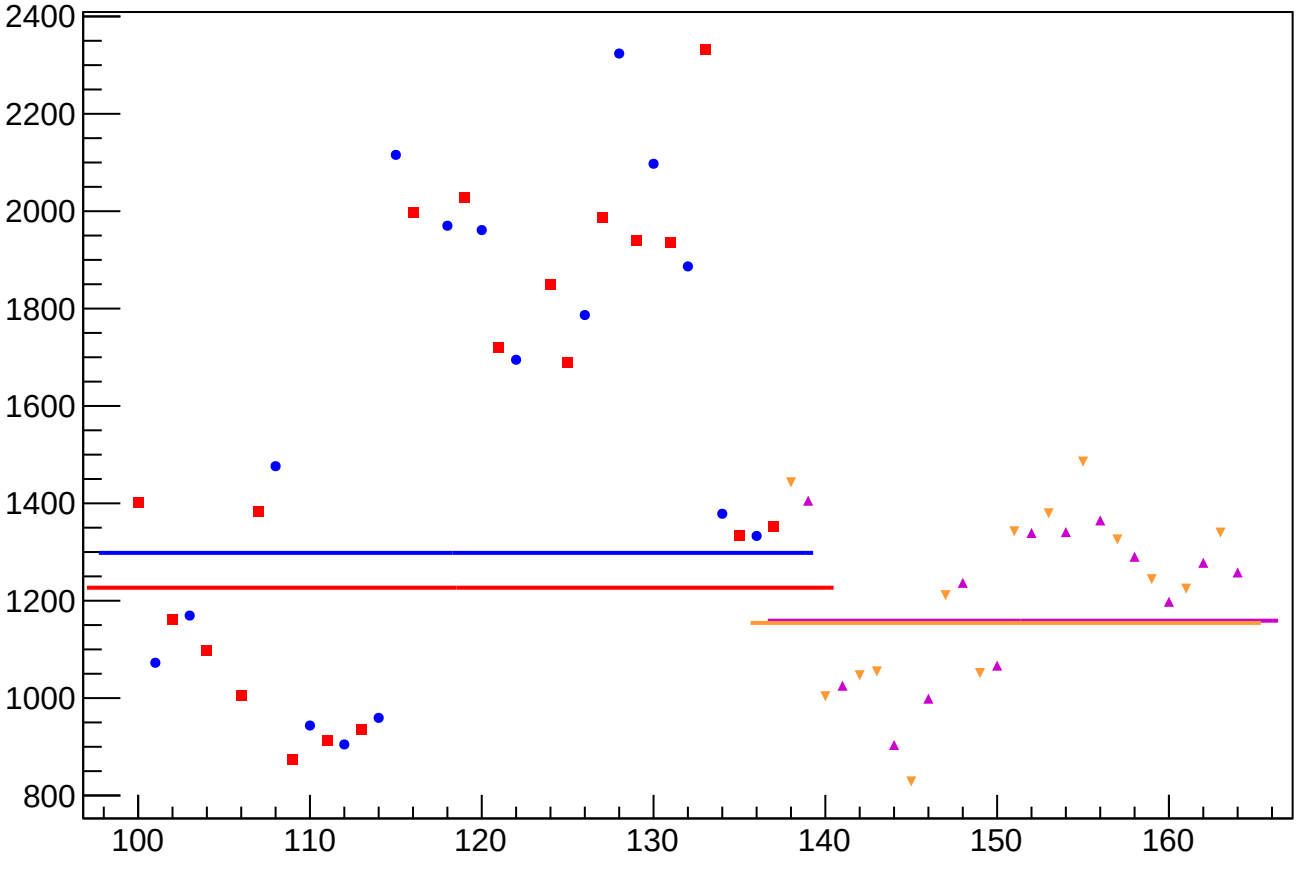
In: 155.170+/-0.026 χ^2/NDF:642307.7/28

Out: 153.517+/-0.026 χ^2/NDF:876387.6/32

All: 154.327+/-0.018 χ^2/NDF: 1520733.7/61


asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
Right In: -221.239+/-506.201 χ²/NDF: 21.9/15
Left Out: -1899.694+/-350.645 χ²/NDF:22.0/13
Right Out: 1074.432+/-472.816 χ²/NDF: 13.6/18
Left In: 456.835+/-354.730 χ²/NDF:7.6/12
Left: -735.076+/-249.375 χ²/NDF: 52.0/26
Right: 470.728+/-345.531 χ²/NDF: 39.0/34
In: 233.516+/-290.501 χ²/NDF:30.7/28
Out: -844.378+/-281.646 χ²/NDF:61.2/32
All: -322.109+/-202.212 χ²/NDF: 99.0/61

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1154.409+/-0.248 χ^2/NDF:624712.9/13

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1158.976+/-0.251 χ^2/NDF:429725.1/12

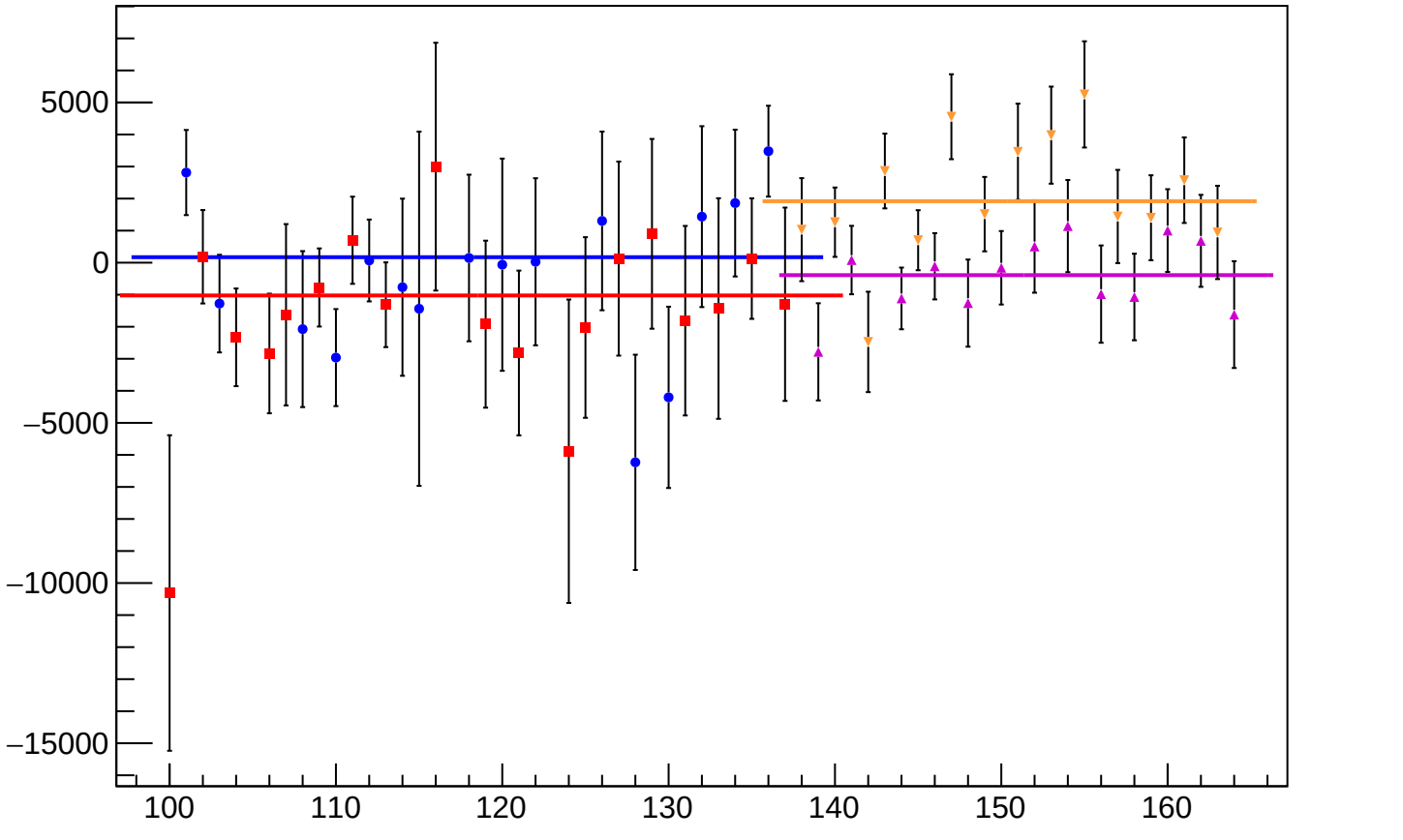
Left: 1156.666+/-0.176 χ^2/NDF: 1054605.7/26

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1204.859+/-0.205 χ^2/NDF:1713449.9/28

Out: 1180.070+/-0.199 χ^2/NDF:2059424.1/32

All: 1192.081+/-0.143 χ^2/NDF: 3780380.9/61



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1917.953+/-350.314 χ^2/NDF:22.8/13

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -389.550+/-353.234 χ^2/NDF:8.0/12

Left: 773.779+/-248.736 χ^2/NDF: 52.3/26

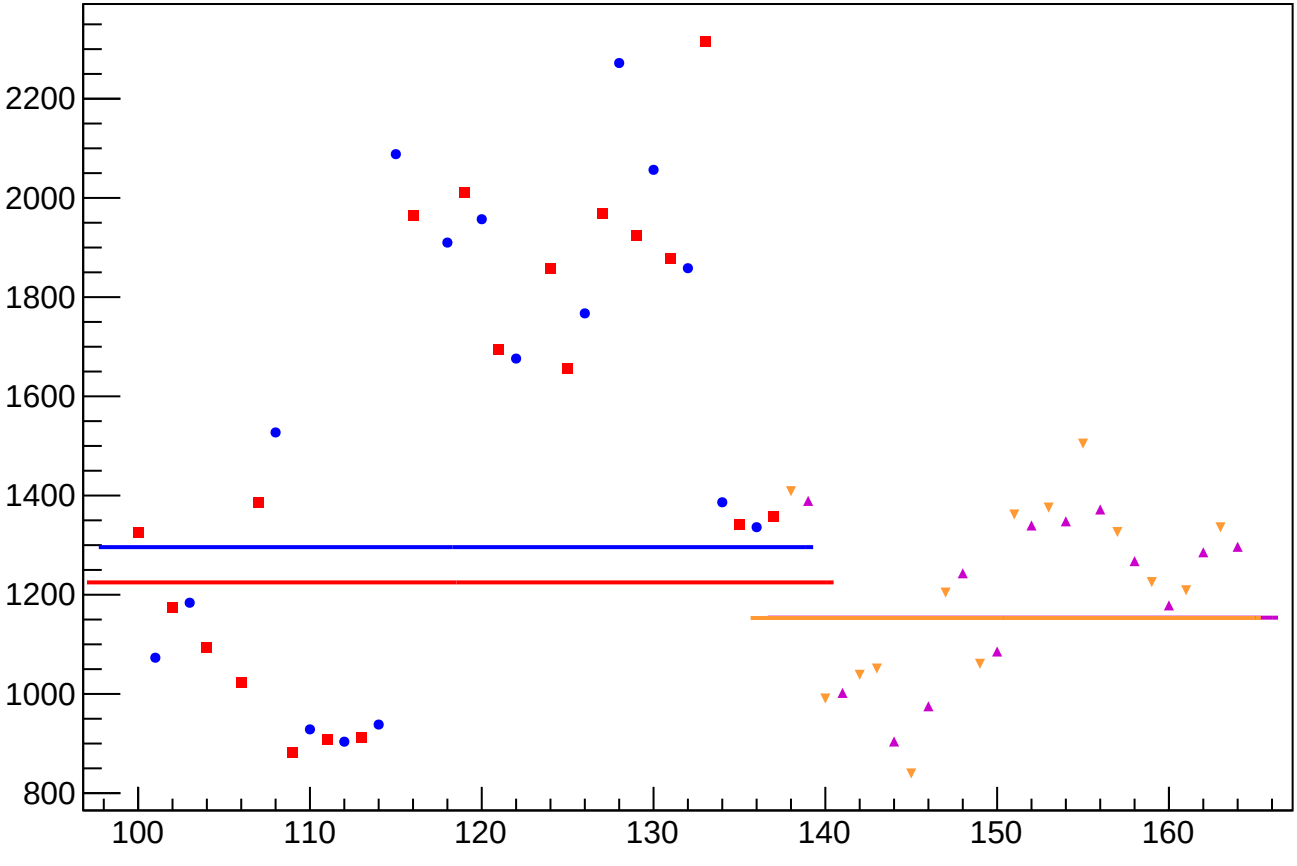
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -205.442+/-289.478 χ^2/NDF:31.4/28

Out: 873.128+/-281.304 χ^2/NDF:59.4/32

All: 349.286+/-201.740 χ^2/NDF: 98.0/61

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1153.138+/-0.248 χ^2/NDF:601905.8/13

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1153.812+/-0.250 χ^2/NDF:455775.7/12

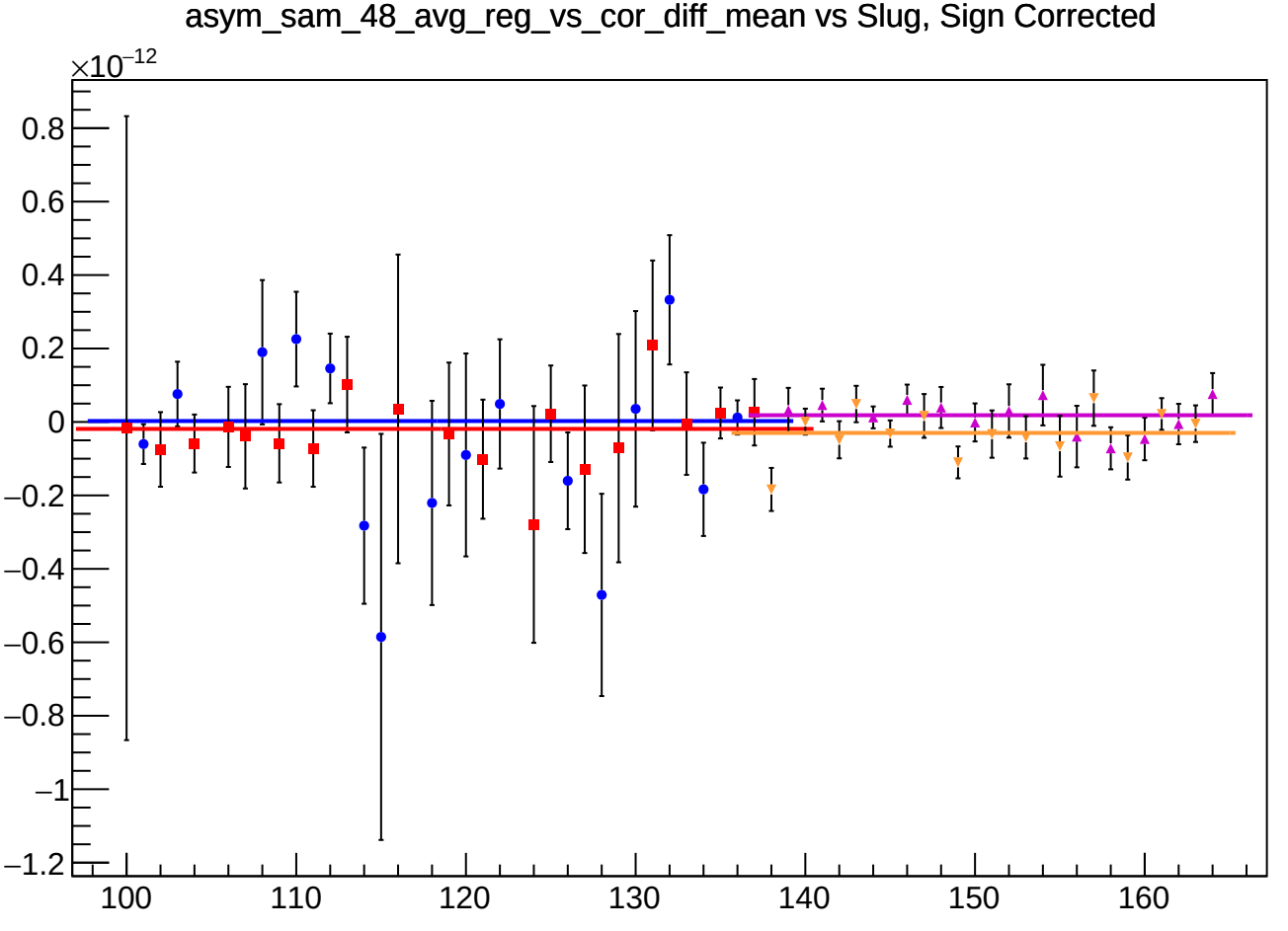
Left: 1153.472+/-0.176 χ^2/NDF: 1057685.2/26

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1200.504+/-0.205 χ^2/NDF:1716366.9/28

Out: 1178.617+/-0.199 χ^2/NDF:2002977.1/32

All: 1189.247+/-0.143 χ^2/NDF: 3725224.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/12

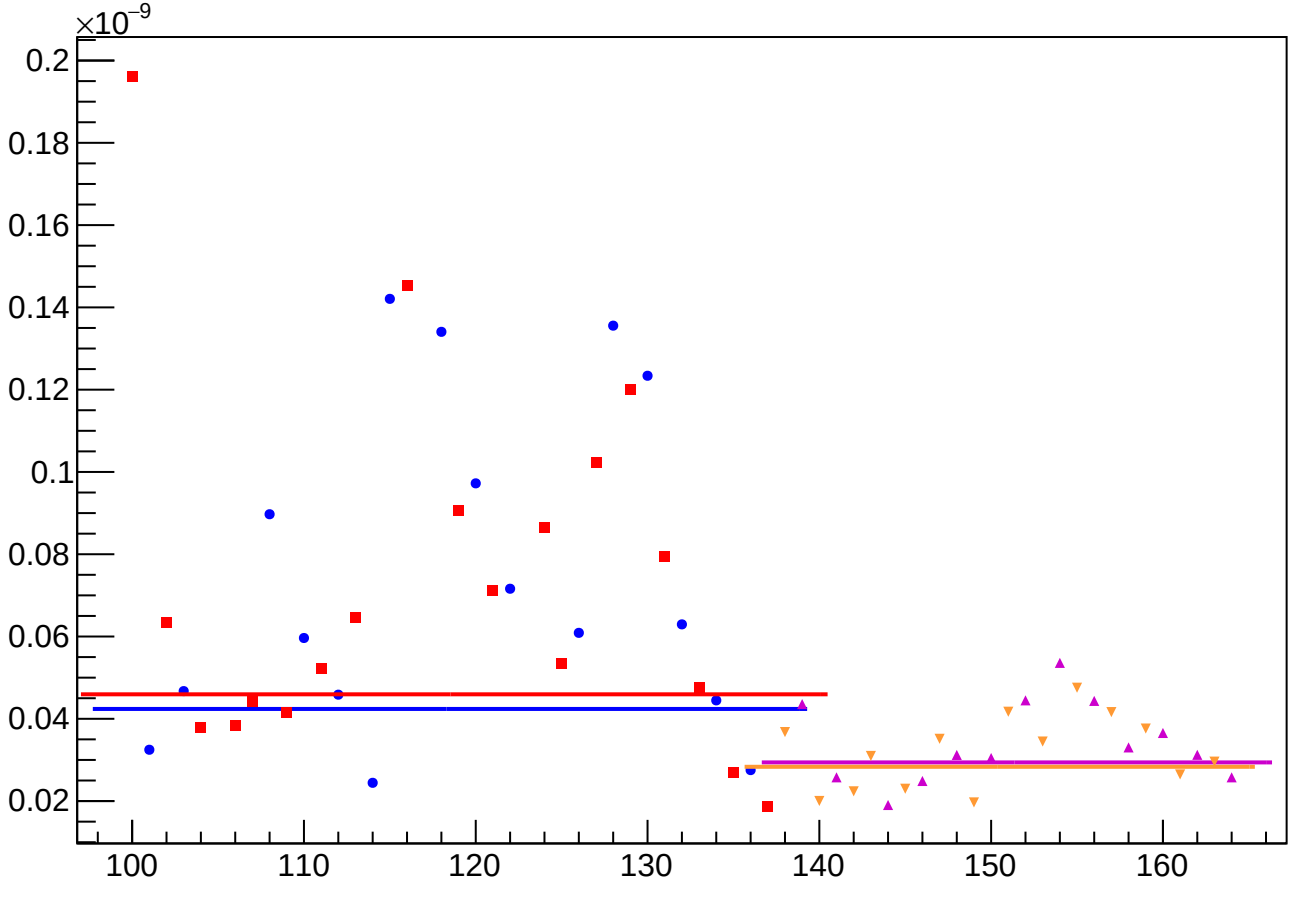
Left: -0.000+/-0.000 χ^2/NDF: 32.7/26

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:30.1/28

Out: -0.000+/-0.000 χ^2/NDF:23.9/32

All: -0.000+/-0.000 χ^2/NDF: 59.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:667082.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:762192.1/12

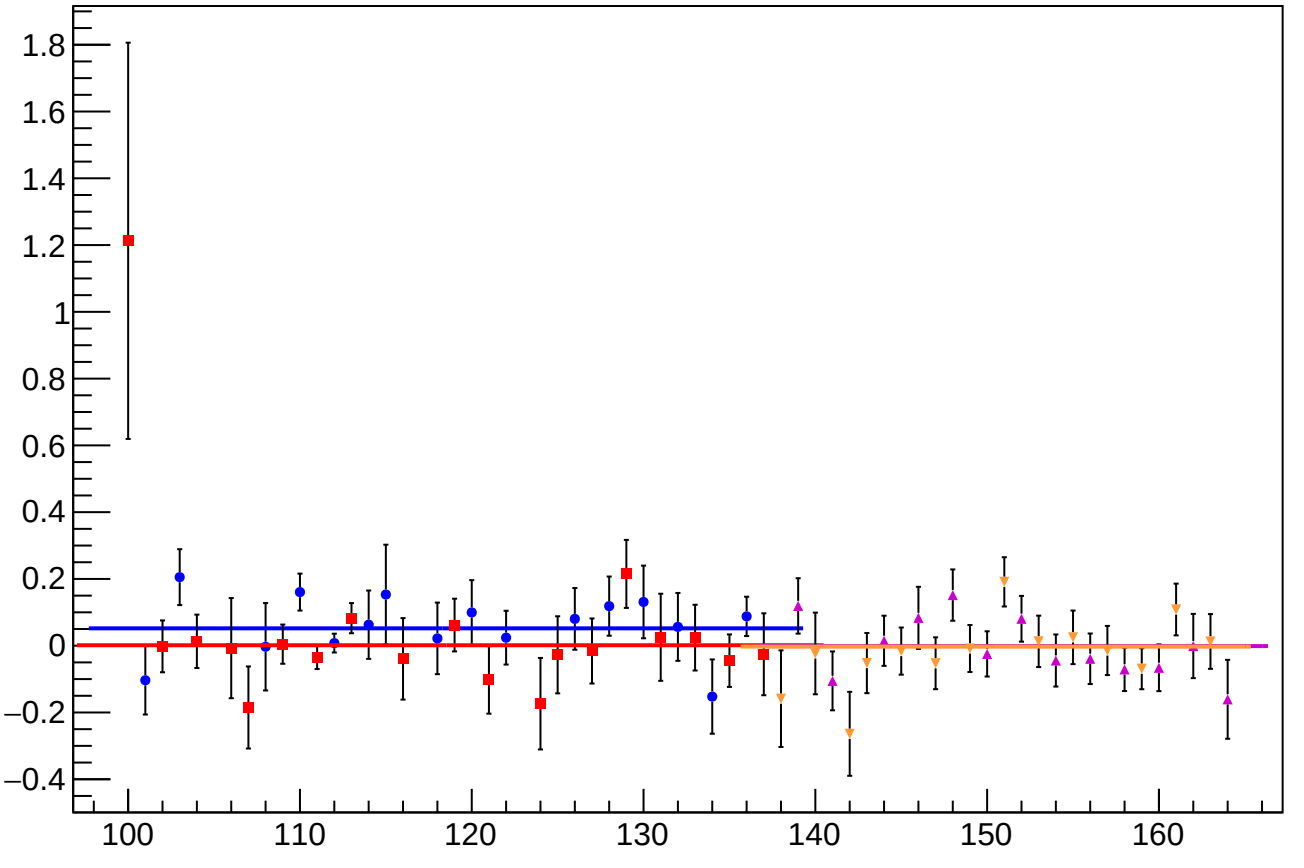
Left: 0.000+/-0.000 χ^2/NDF: 1435183.0/26

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2468970.4/28

Out: 0.000+/-0.000 χ^2/NDF:2397807.3/32

All: 0.000+/-0.000 χ^2/NDF: 4871070.3/61



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.022 χ^2/NDF:16.6/13

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.001+/-0.022 χ^2/NDF:14.3/12

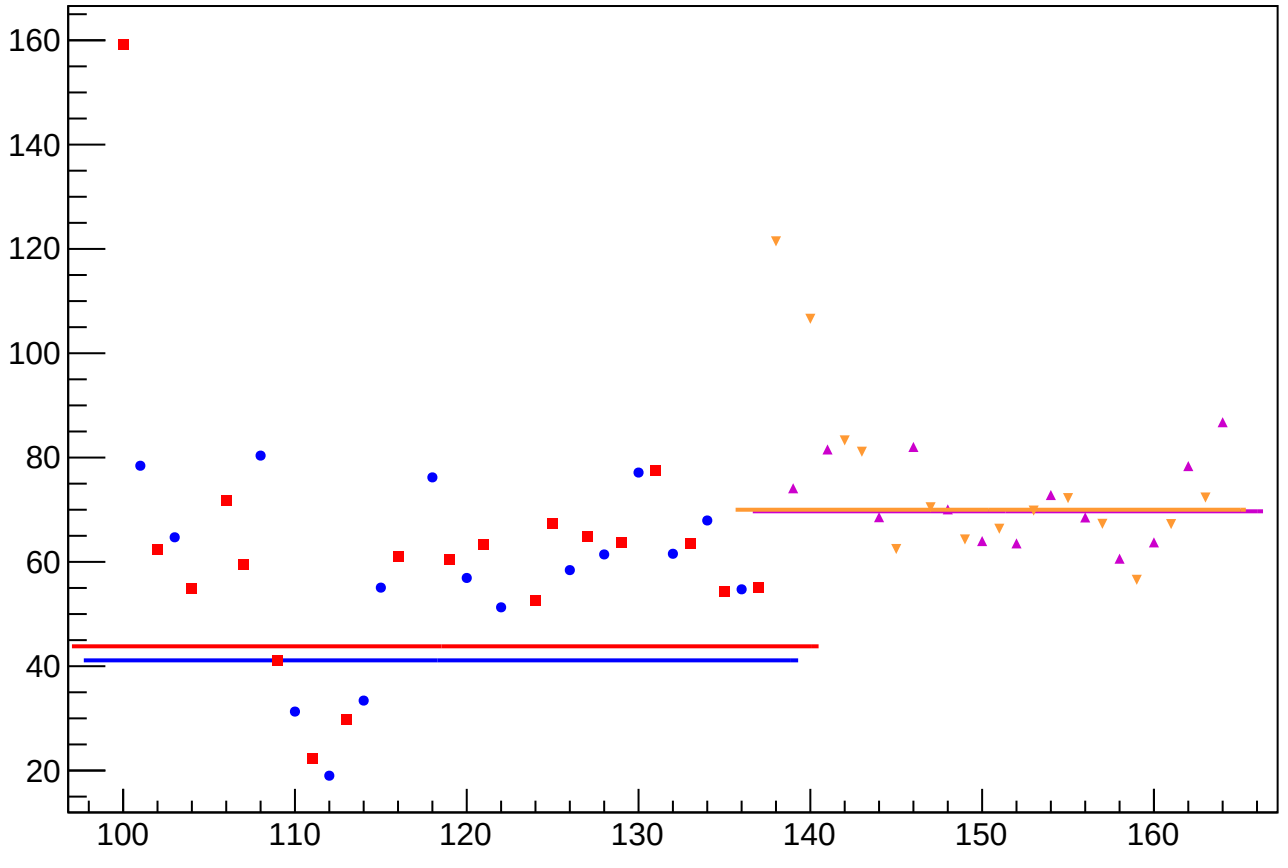
Left: -0.002+/-0.015 χ^2/NDF: 30.9/26

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:35.8/28

Out: -0.000+/-0.014 χ^2/NDF:35.9/32

All: 0.015+/-0.010 χ^2/NDF: 74.2/61



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.000+/-0.015 χ^2/NDF:629717.9/13

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.697+/-0.015 χ^2/NDF:223198.0/12

Left: 69.849+/-0.011 χ^2/NDF: 853111.8/26

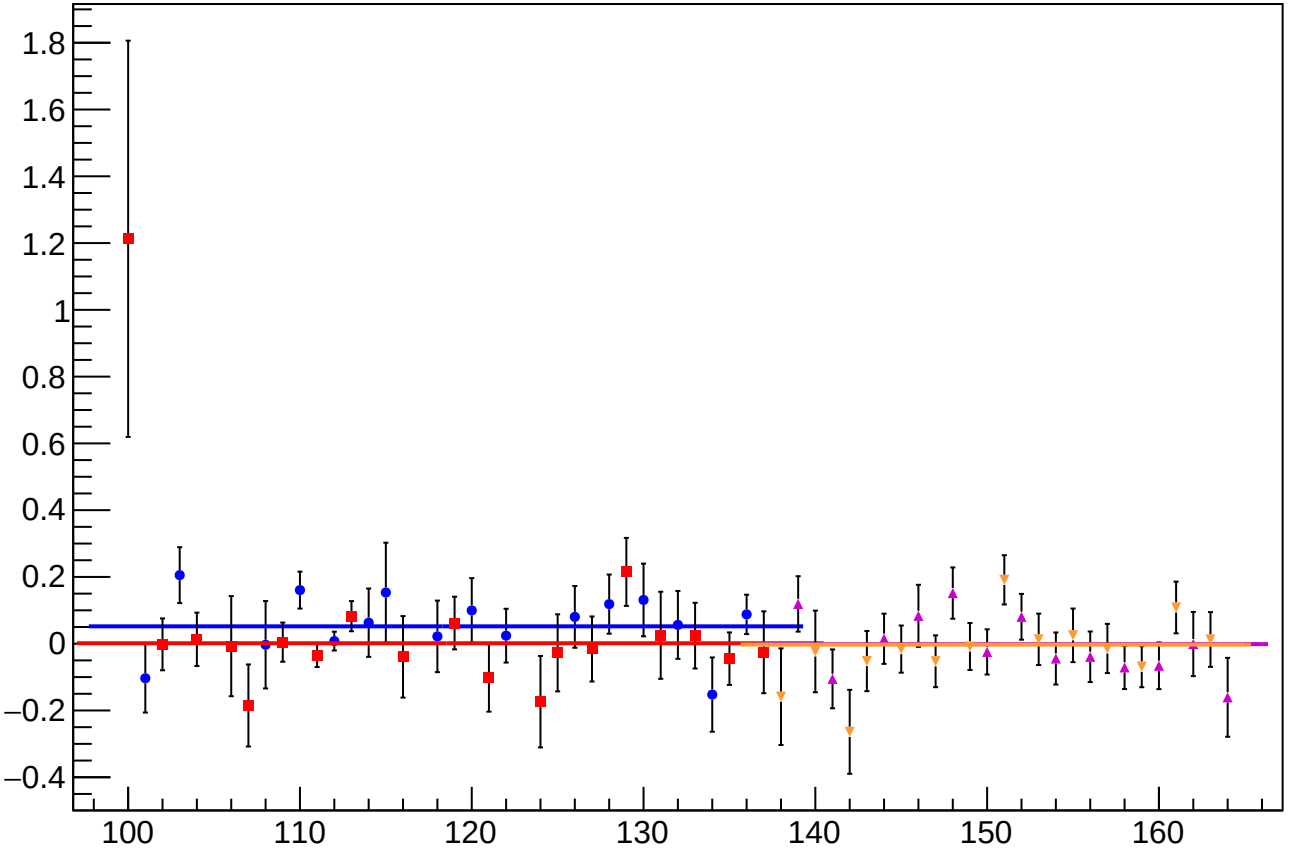
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 52.605+/-0.010 χ^2/NDF:5226679.2/28

Out: 54.491+/-0.010 χ^2/NDF:4418144.8/32

All: 53.544+/-0.007 χ^2/NDF: 9663590.1/61

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.022 χ^2/NDF:16.6/13

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.001+/-0.022 χ^2/NDF:14.3/12

Left: -0.002+/-0.015 χ^2/NDF: 30.9/26

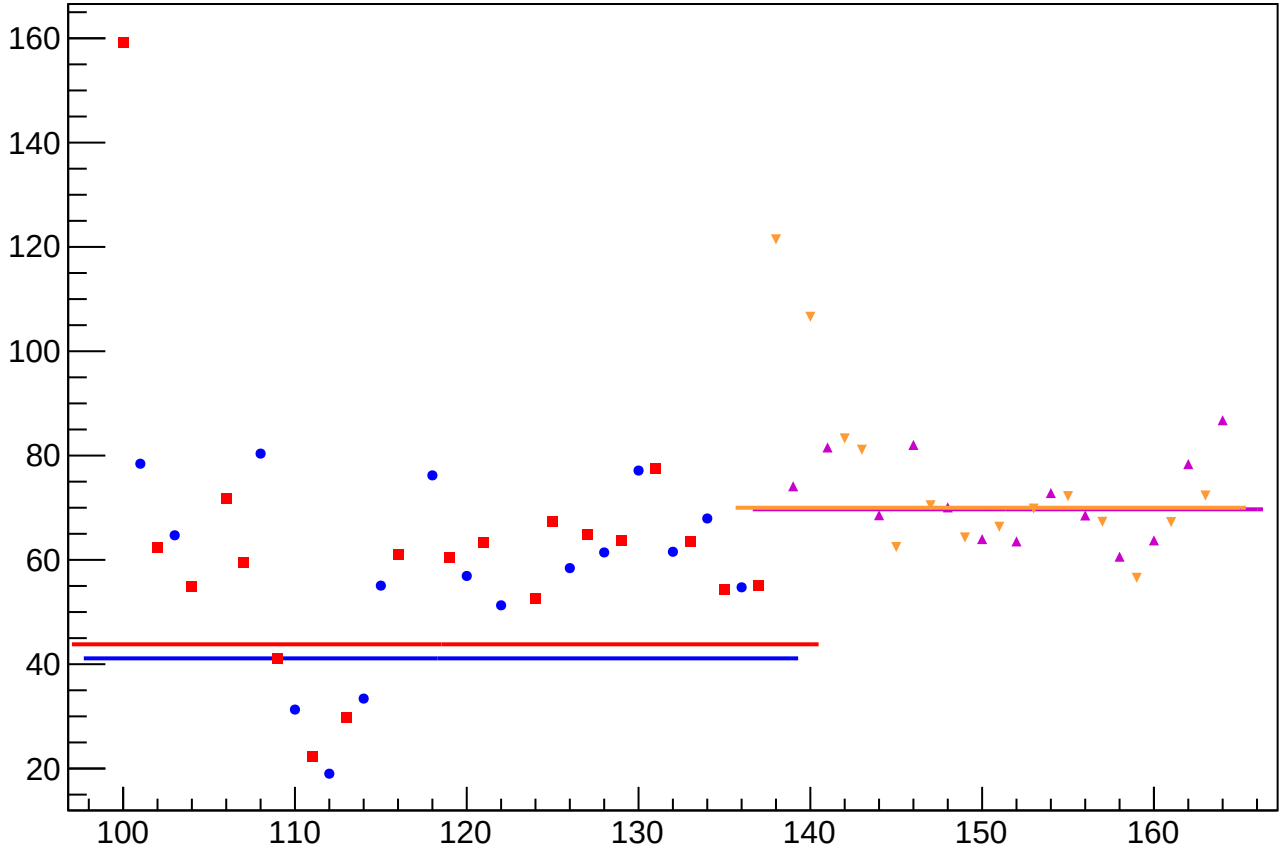
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:35.8/28

Out: -0.000+/-0.014 χ^2/NDF:35.9/32

All: 0.015+/-0.010 χ^2/NDF: 74.2/61

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: 70.000+/-0.015 χ^2/NDF:629717.9/13

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.697+/-0.015 χ^2/NDF:223198.0/12

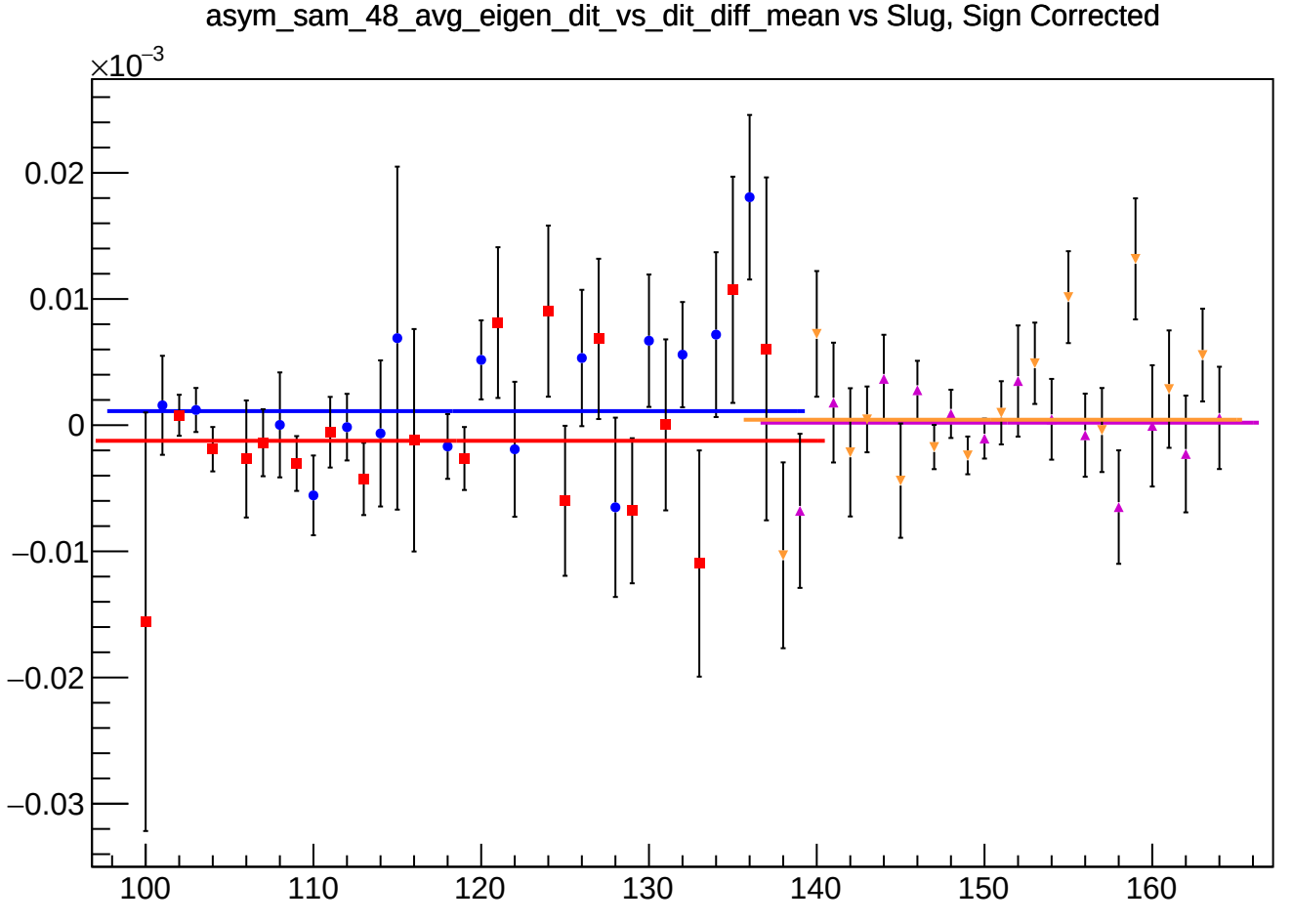
Left: 69.849+/-0.011 χ^2/NDF: 853111.8/26

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 52.605+/-0.010 χ^2/NDF:5226679.2/28

Out: 54.491+/-0.010 χ^2/NDF:4418144.8/32

All: 53.544+/-0.007 χ^2/NDF: 9663590.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/12

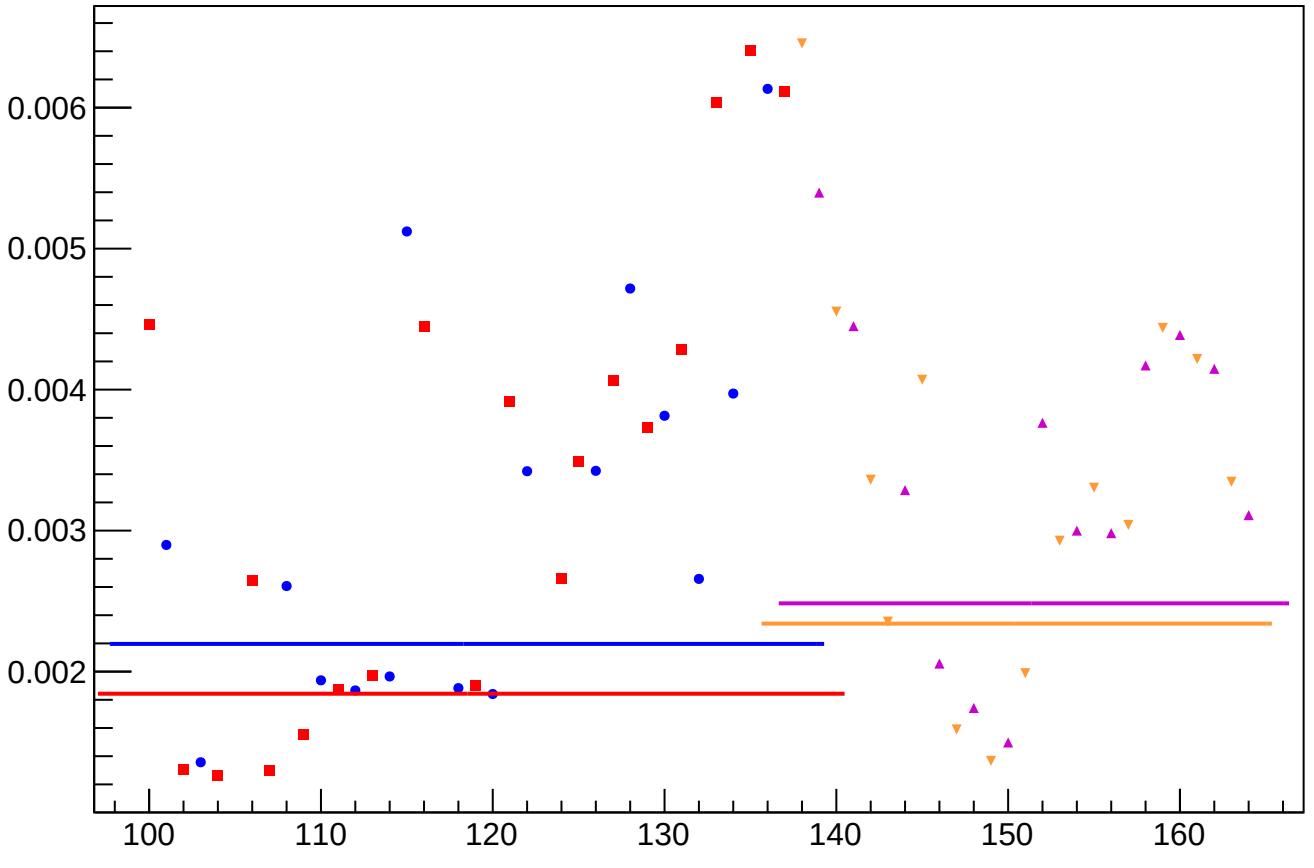
Left: 0.000+/-0.000 χ^2/NDF: 36.5/26

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:28.0/28

Out: -0.000+/-0.000 χ^2/NDF:47.2/32

All: 0.000+/-0.000 χ^2/NDF: 76.8/61



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3798557.7/13

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3218108.7/12

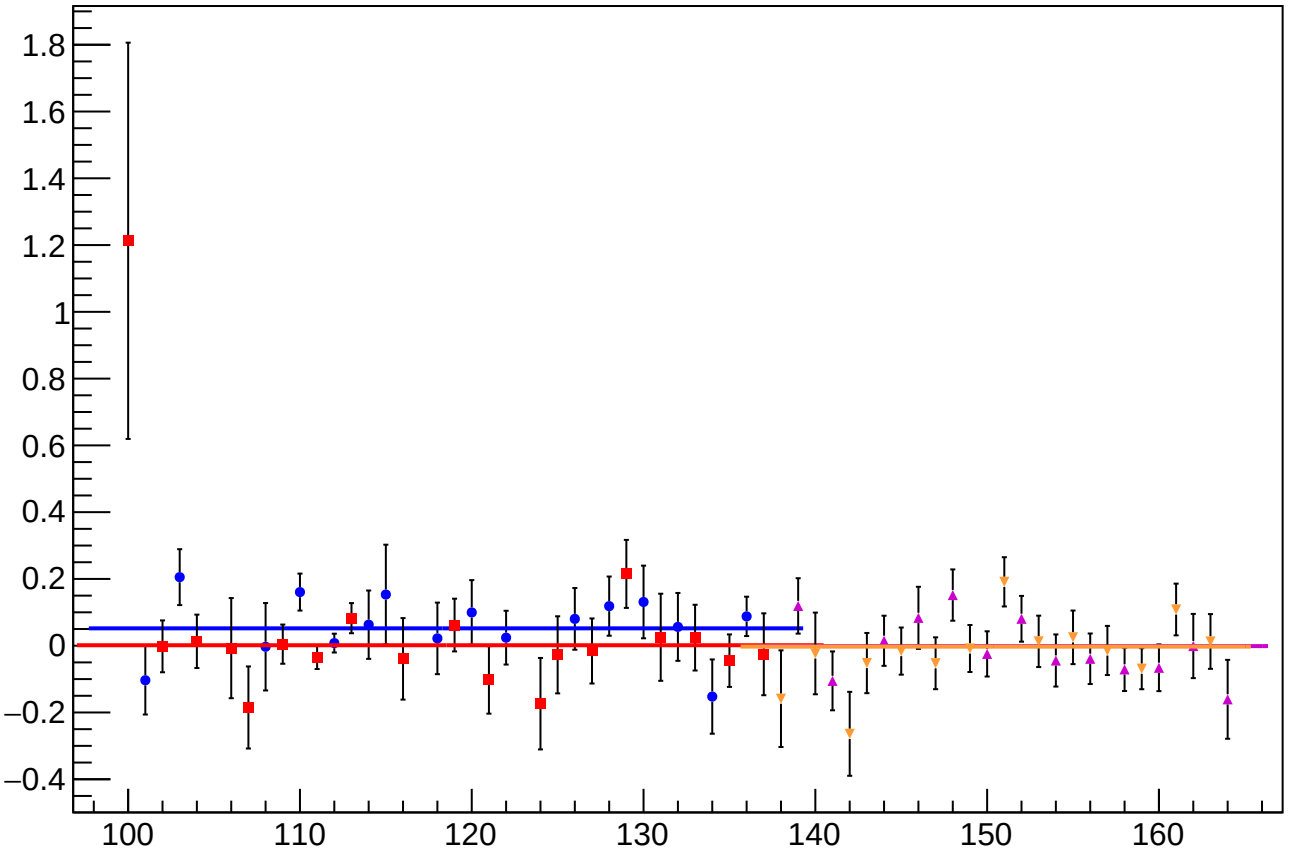
Left: 0.002+/-0.000 χ^2/NDF: 7048542.5/26

Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:5620299.1/28

Out: 0.002+/-0.000 χ^2/NDF:7351781.9/32

All: 0.002+/-0.000 χ^2/NDF: 13182406.3/61



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.022 χ^2/NDF:16.6/13

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.001+/-0.022 χ^2/NDF:14.3/12

Left: -0.002+/-0.015 χ^2/NDF: 30.9/26

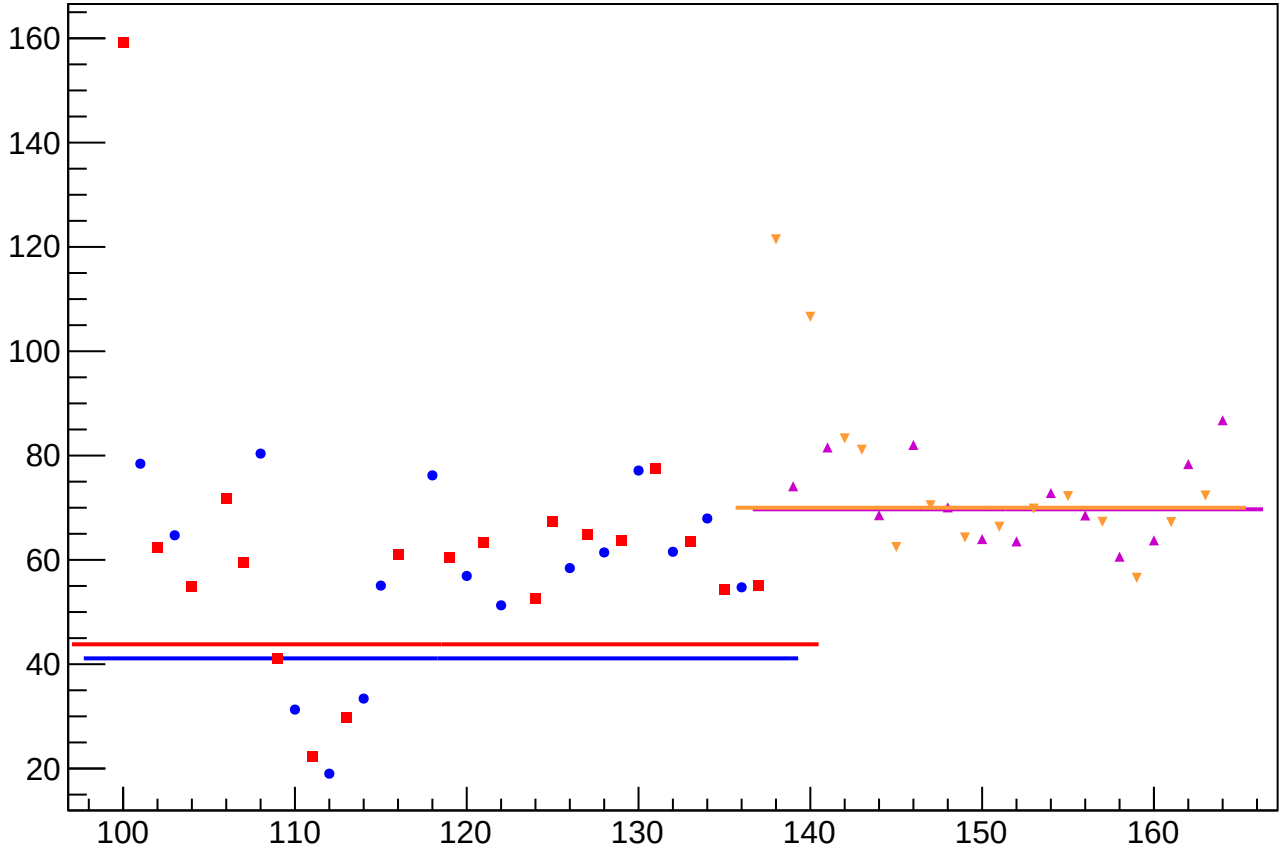
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:35.8/28

Out: -0.000+/-0.014 χ^2/NDF:35.9/32

All: 0.015+/-0.010 χ^2/NDF: 74.2/61

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.001+/-0.015 χ^2/NDF:629697.5/13

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.698+/-0.015 χ^2/NDF:223198.0/12

Left: 69.850+/-0.011 χ^2/NDF: 853091.4/26

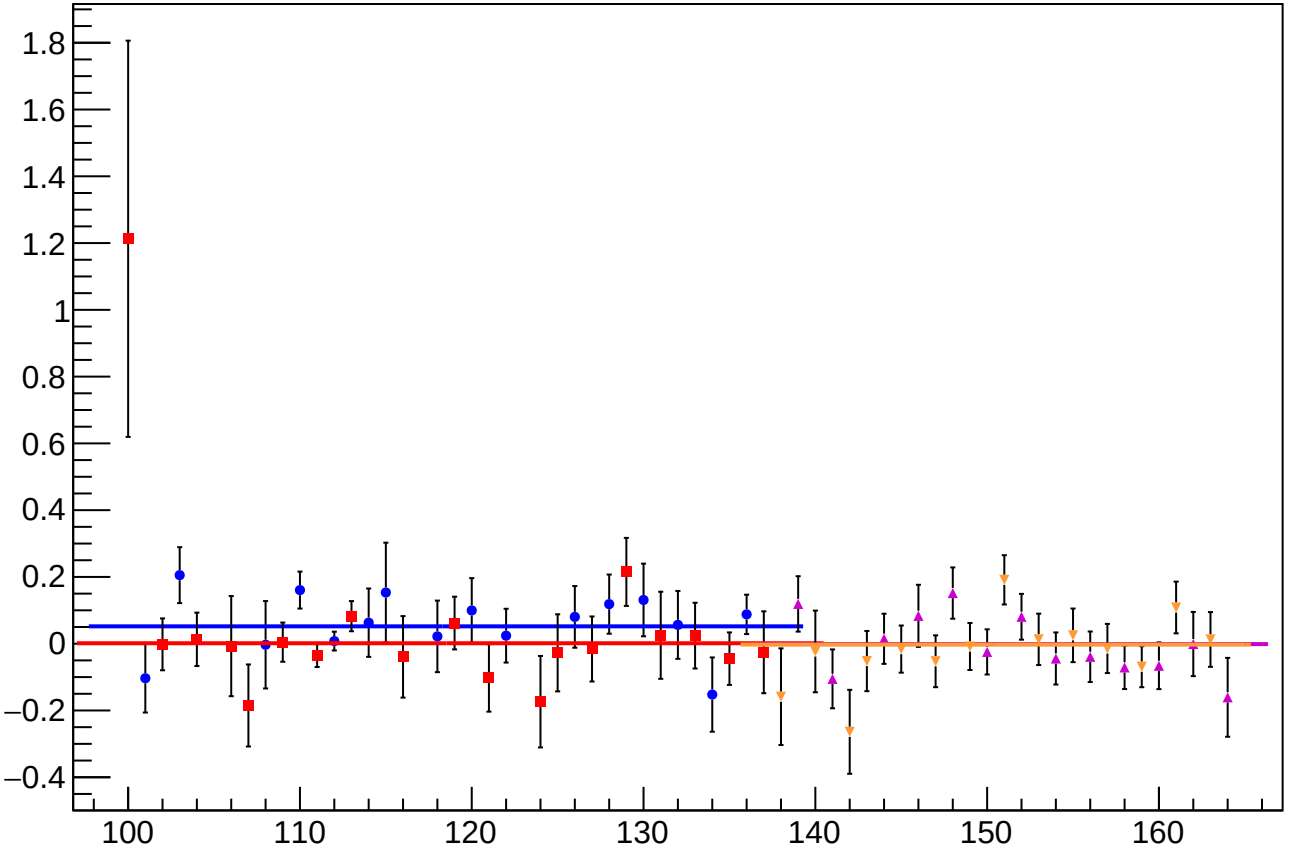
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 52.604+/-0.010 χ^2/NDF:5227079.7/28

Out: 54.491+/-0.010 χ^2/NDF:4418516.7/32

All: 53.544+/-0.007 χ^2/NDF: 9664364.2/61

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+/-0.022 χ^2/NDF:16.6/13

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: -0.001+/-0.022 χ^2/NDF:14.3/12

Left: -0.002+/-0.015 χ^2/NDF: 30.9/26

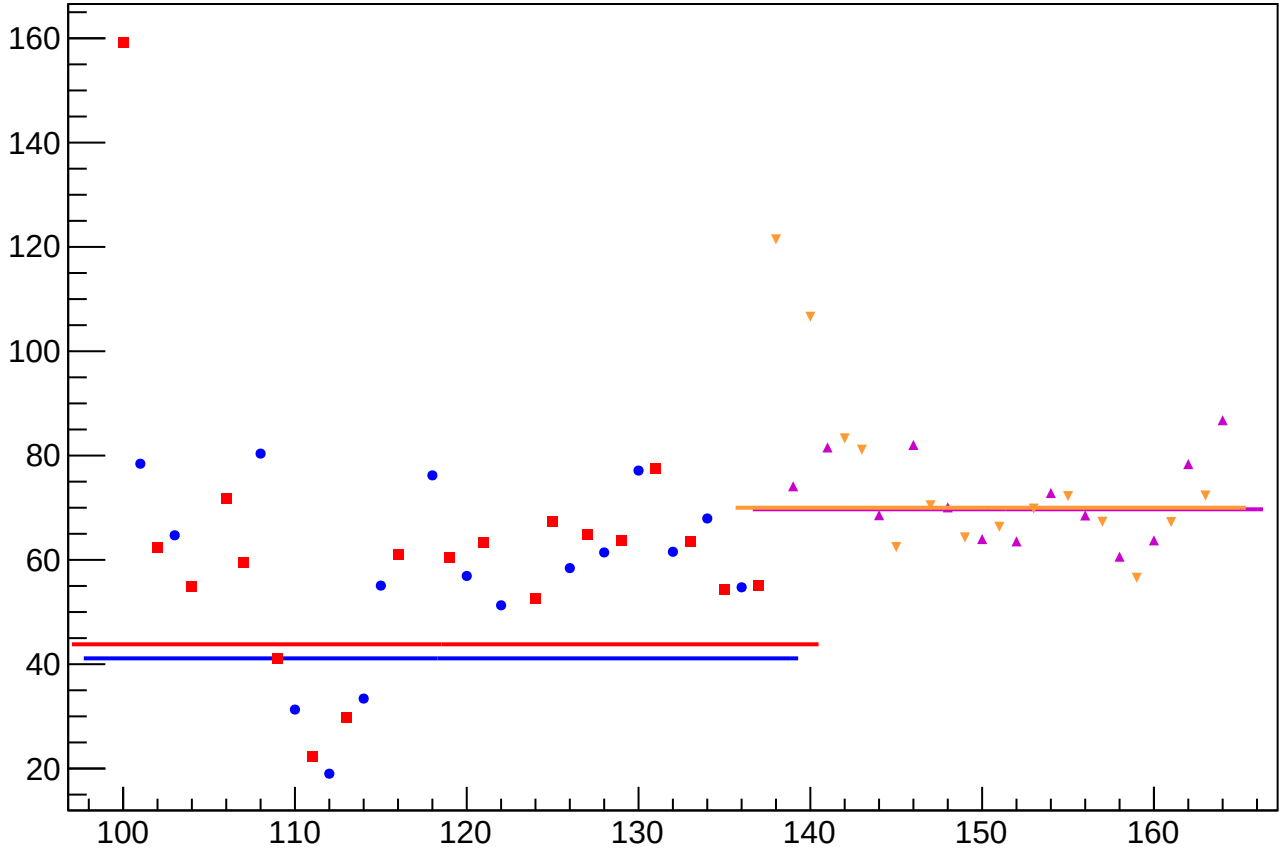
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.014 χ^2/NDF:35.8/28

Out: -0.000+/-0.014 χ^2/NDF:35.9/32

All: 0.015+/-0.010 χ^2/NDF: 74.2/61

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: 70.001+/-0.015 χ^2/NDF:629697.5/13

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.698+/-0.015 χ^2/NDF:223198.0/12

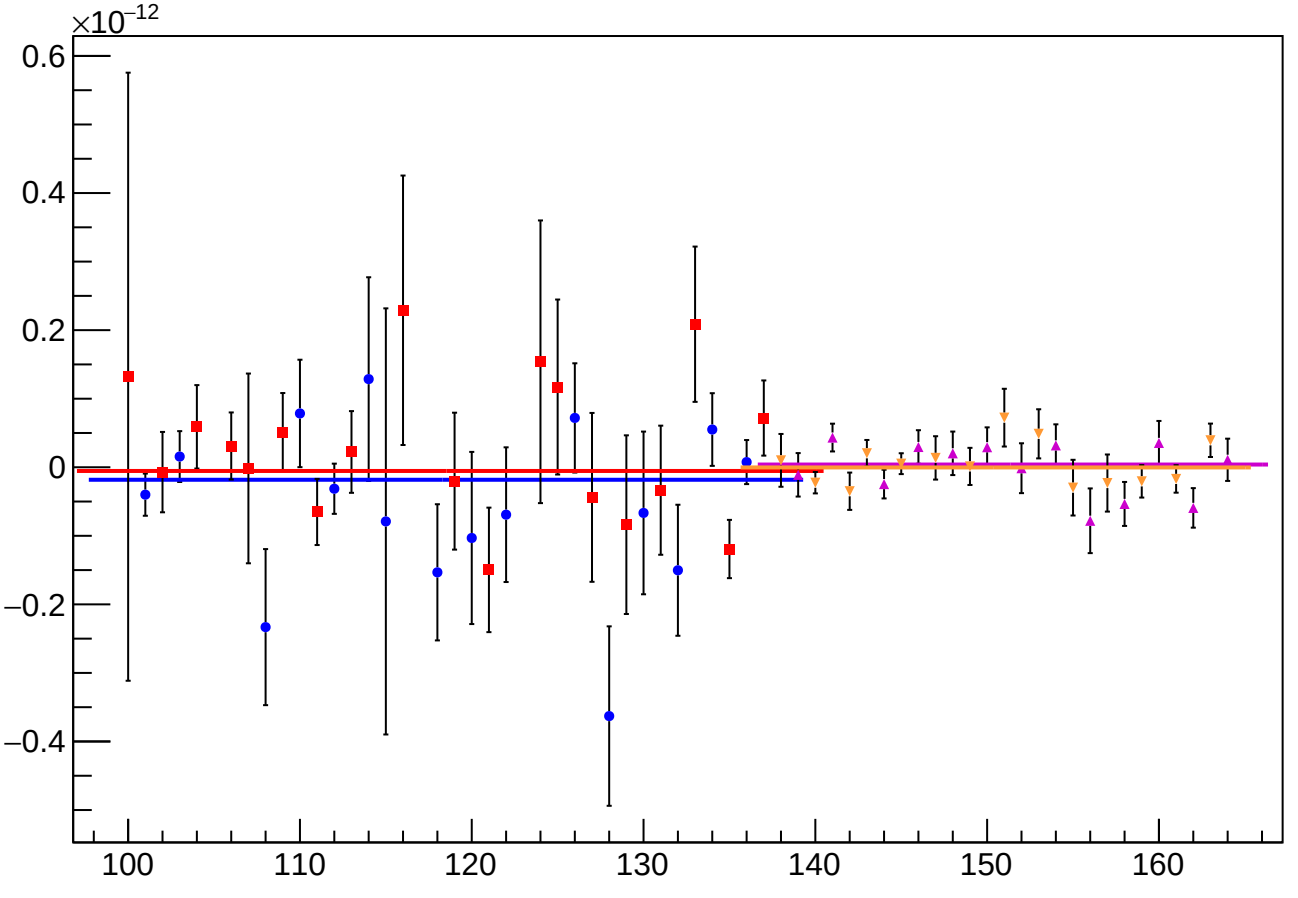
Left: 69.850+/-0.011 χ^2/NDF: 853091.4/26

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 52.604+/-0.010 χ^2/NDF:5227079.7/28

Out: 54.491+/-0.010 χ^2/NDF:4418516.7/32

All: 53.544+/-0.007 χ^2/NDF: 9664364.2/61



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:20.9/12

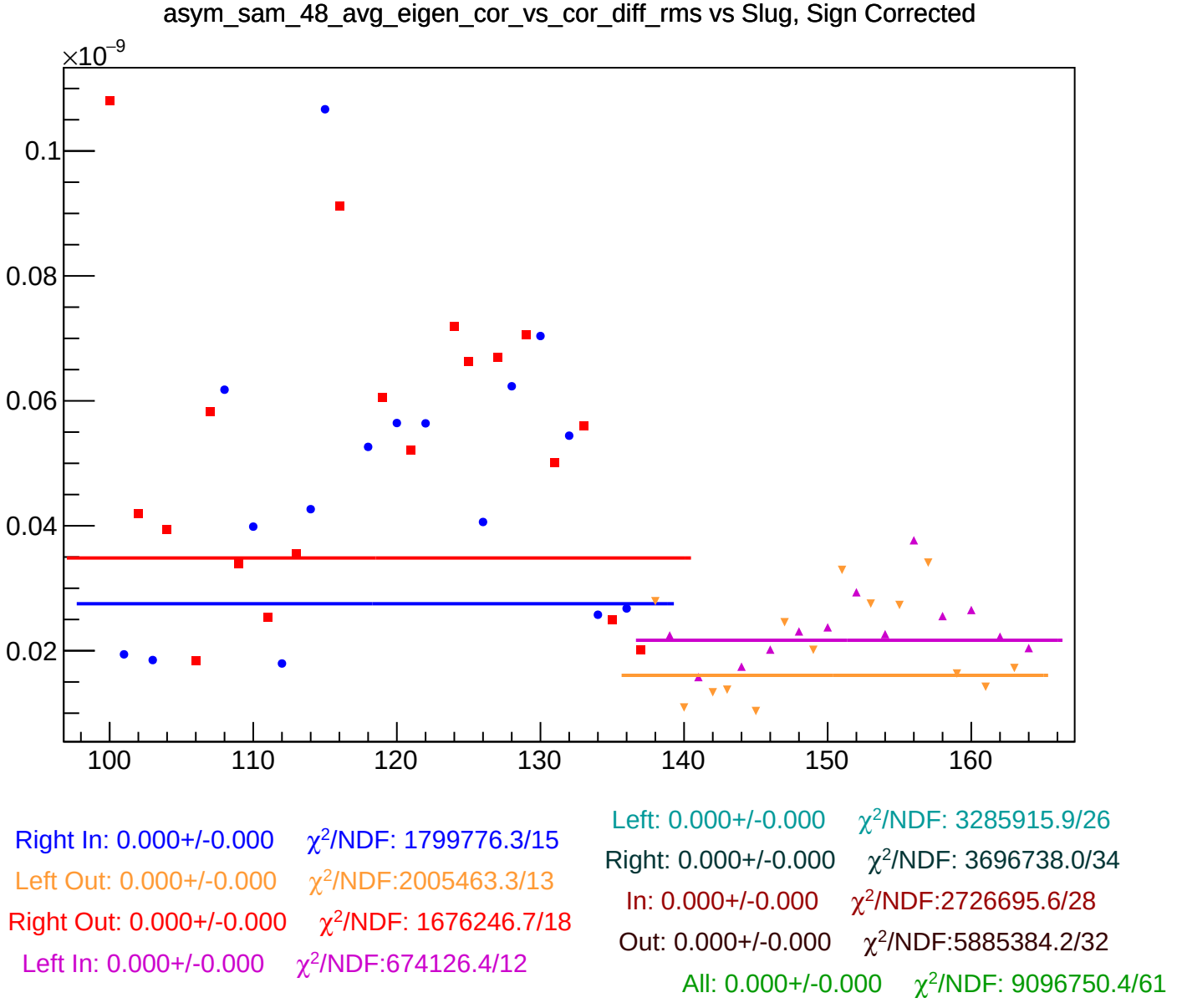
Left: 0.000+/-0.000 χ^2/NDF: 36.0/26

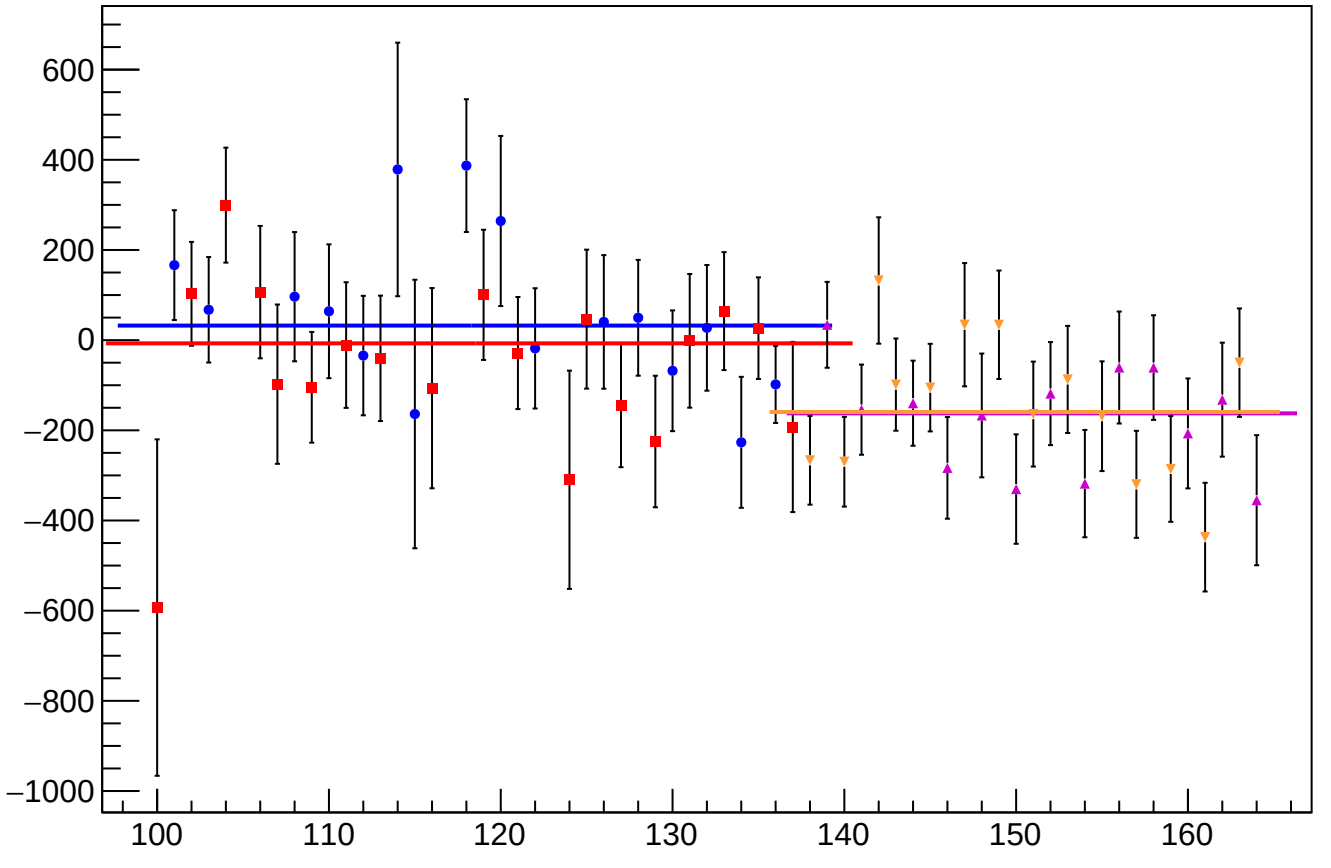
Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: -0.000+/-0.000 χ^2/NDF:45.7/28

Out: -0.000+/-0.000 χ^2/NDF:38.3/32

All: -0.000+/-0.000 χ^2/NDF: 84.0/61


asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1799776.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2005463.3/13
Right Out: 0.000+/-0.000 χ²/NDF: 1676246.7/18
Left In: 0.000+/-0.000 χ²/NDF:674126.4/12
Left: 0.000+/-0.000 χ²/NDF: 3285915.9/26
Right: 0.000+/-0.000 χ²/NDF: 3696738.0/34
In: 0.000+/-0.000 χ²/NDF:2726695.6/28
Out: 0.000+/-0.000 χ²/NDF:5885384.2/32
All: 0.000+/-0.000 χ²/NDF: 9096750.4/61



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -159.381+/-30.525 χ^2/NDF:21.5/13

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -162.381+/-31.843 χ^2/NDF:12.6/12

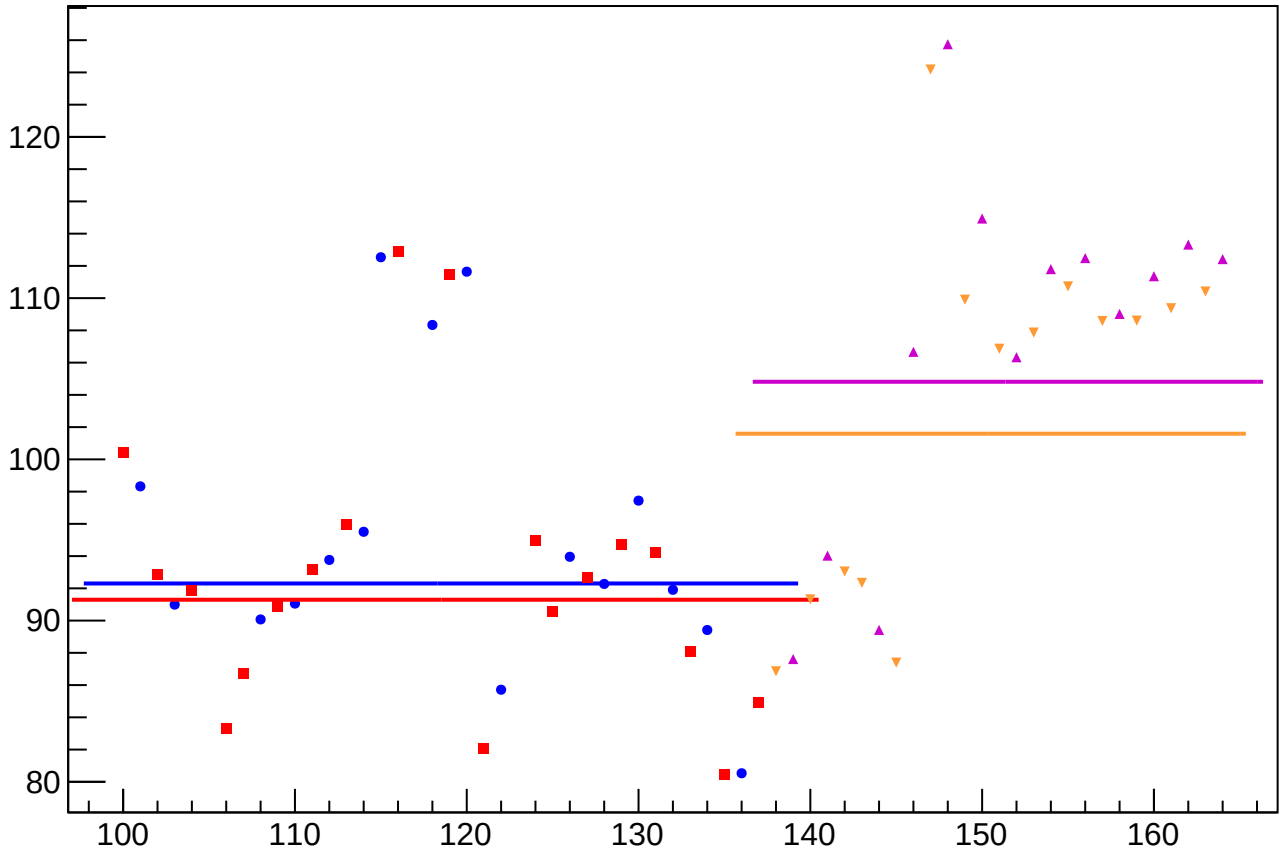
Left: -160.818+/-22.036 χ^2/NDF: 34.1/26

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -72.626+/-23.377 χ^2/NDF:47.2/28

Out: -90.106+/-22.539 χ^2/NDF:50.6/32

All: -81.685+/-16.226 χ^2/NDF: 98.1/61



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 101.591+/-0.022 χ^2/NDF:251046.7/13

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 104.813+/-0.023 χ^2/NDF:240547.7/12

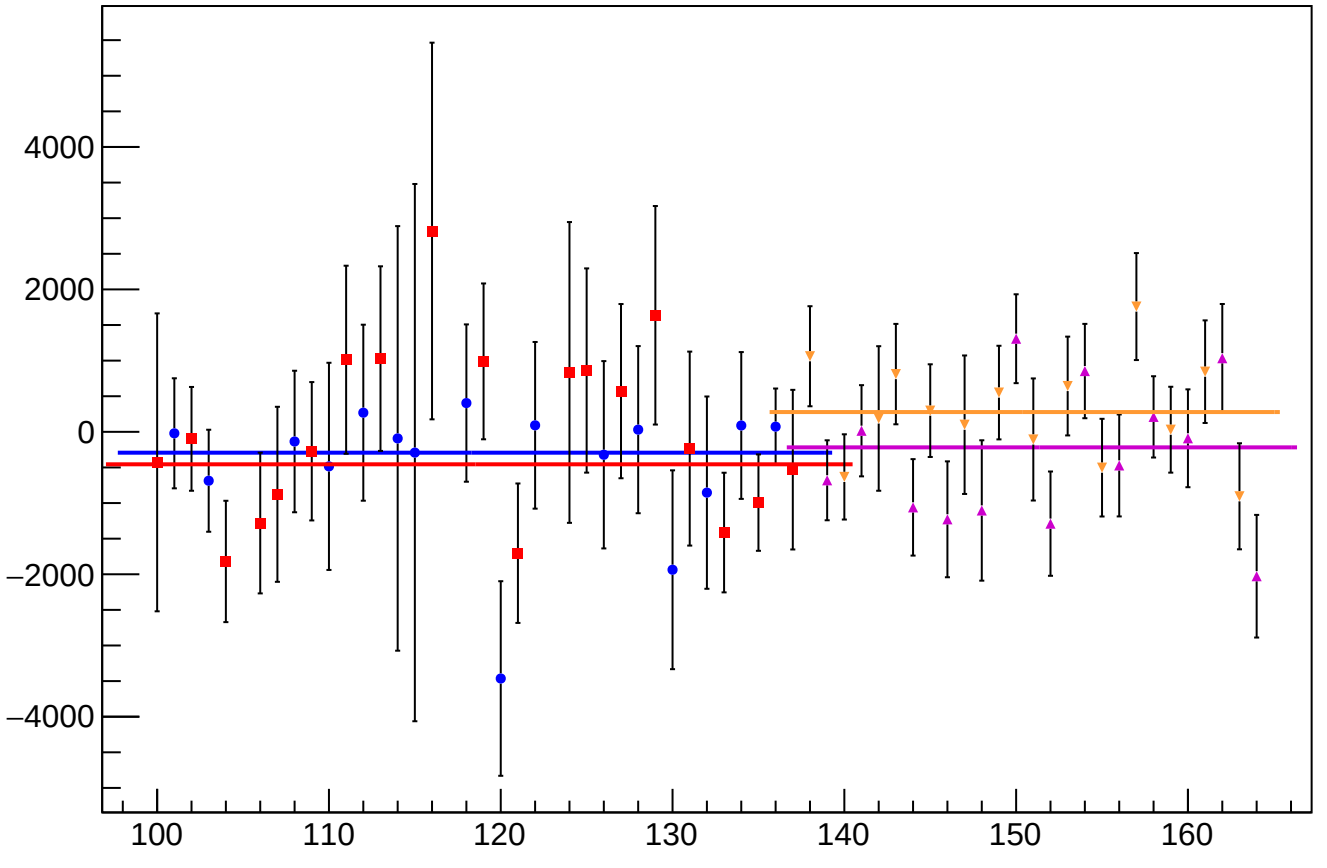
Left: 103.134+/-0.016 χ^2/NDF: 502264.6/26

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 99.045+/-0.017 χ^2/NDF:489948.3/28

Out: 96.908+/-0.016 χ^2/NDF:459663.4/32

All: 97.937+/-0.011 χ^2/NDF: 958277.7/61



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.822+/-191.194 χ^2/NDF:13.3/13

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -218.033+/-191.542 χ^2/NDF:23.3/12

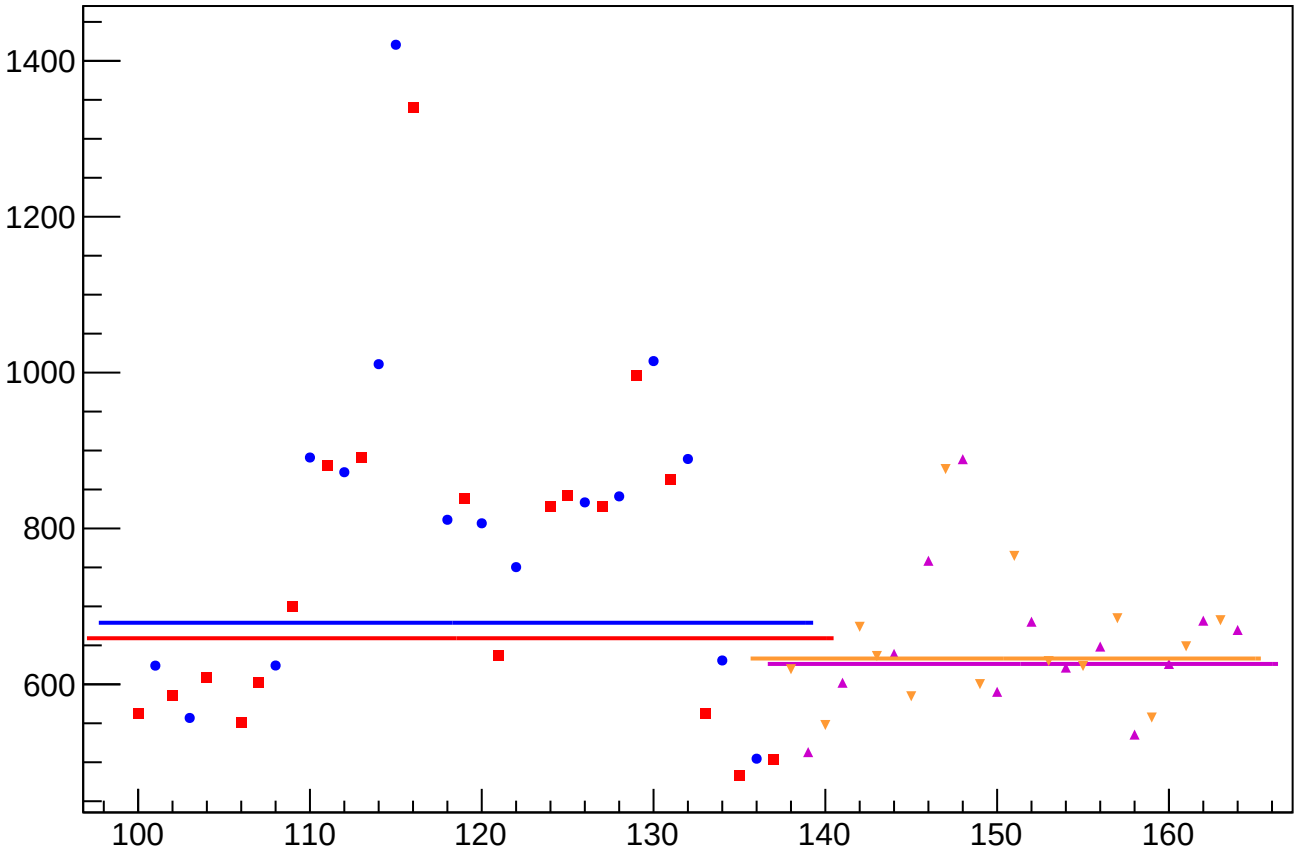
Left: 30.346+/-135.317 χ^2/NDF: 40.0/26

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -244.360+/-154.148 χ^2/NDF:32.1/28

Out: 5.316+/-151.582 χ^2/NDF:35.6/32

All: -117.426+/-108.081 χ^2/NDF: 69.1/61



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 633.113+/-0.135 χ^2/NDF:284139.3/13

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 626.151+/-0.135 χ^2/NDF:365622.5/12

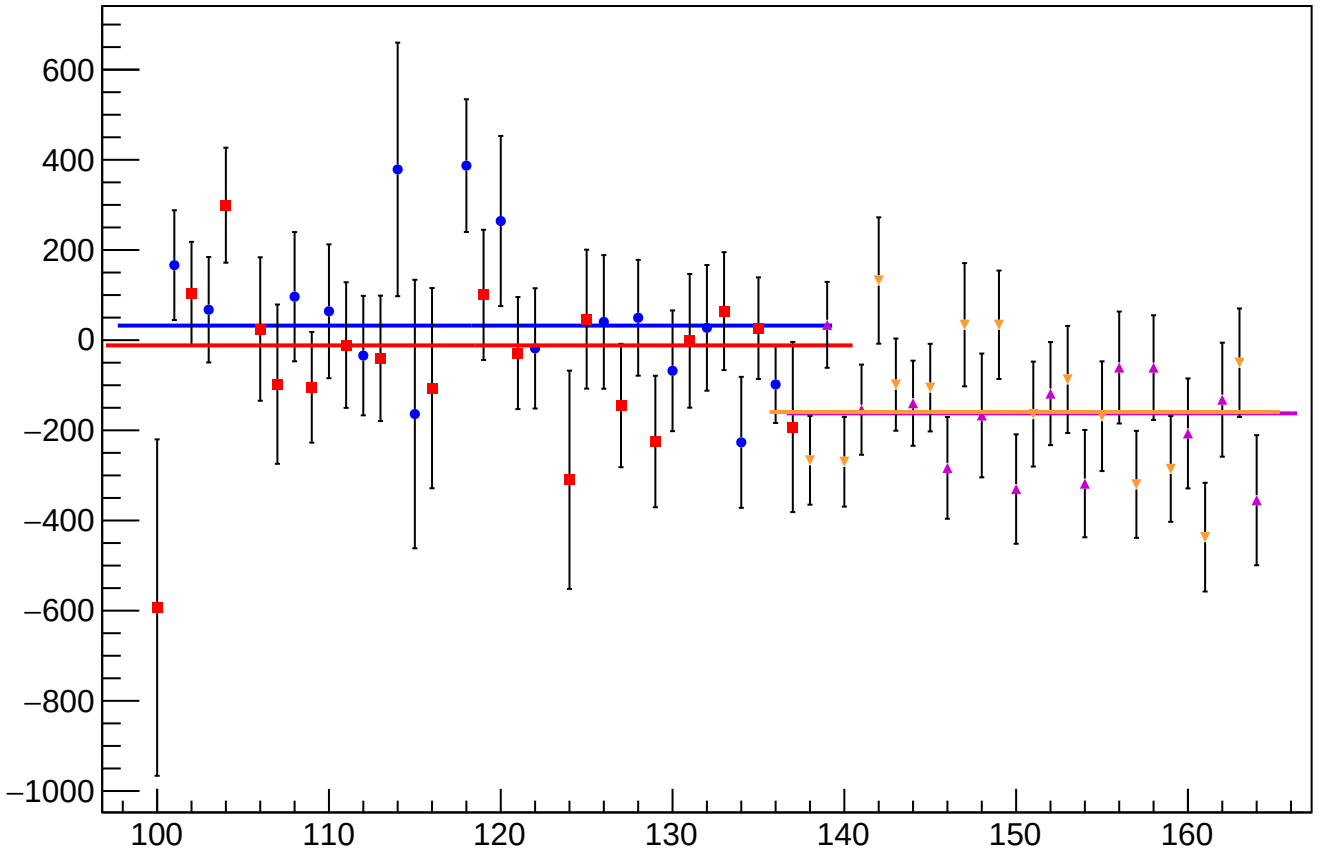
Left: 629.639+/-0.096 χ^2/NDF: 651085.4/26

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 644.773+/-0.109 χ^2/NDF:1187256.9/28

Out: 642.778+/-0.107 χ^2/NDF:1093775.7/32

All: 643.759+/-0.076 χ^2/NDF: 2281202.9/61



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -159.378+/-30.525 χ^2/NDF:21.5/13

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -162.384+/-31.843 χ^2/NDF:12.6/12

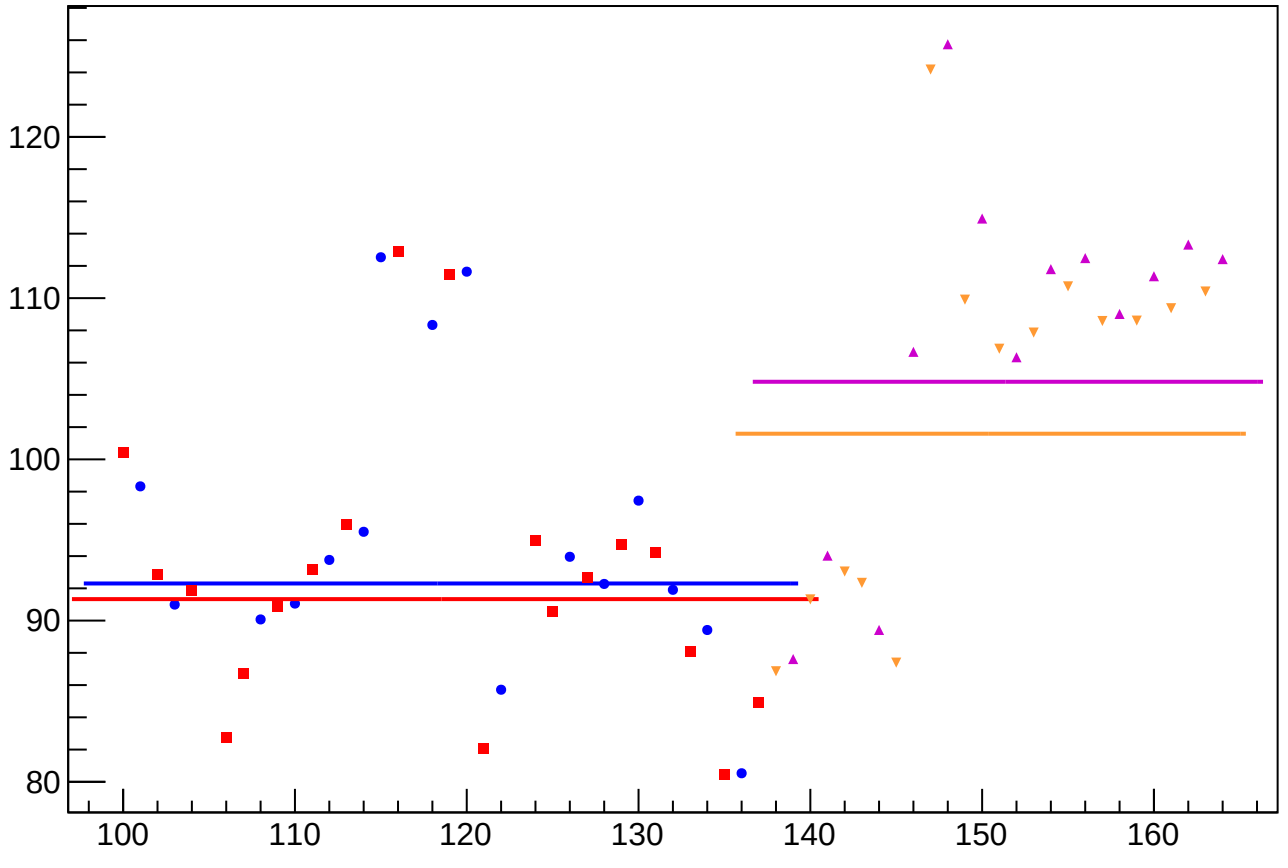
Left: -160.817+/-22.036 χ^2/NDF: 34.1/26

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -72.620+/-23.377 χ^2/NDF:47.2/28

Out: -92.435+/-22.578 χ^2/NDF:49.3/32

All: -82.872+/-16.240 χ^2/NDF: 96.9/61



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 101.591+/-0.022 χ^2/NDF:251046.7/13

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 104.813+/-0.023 χ^2/NDF:240547.7/12

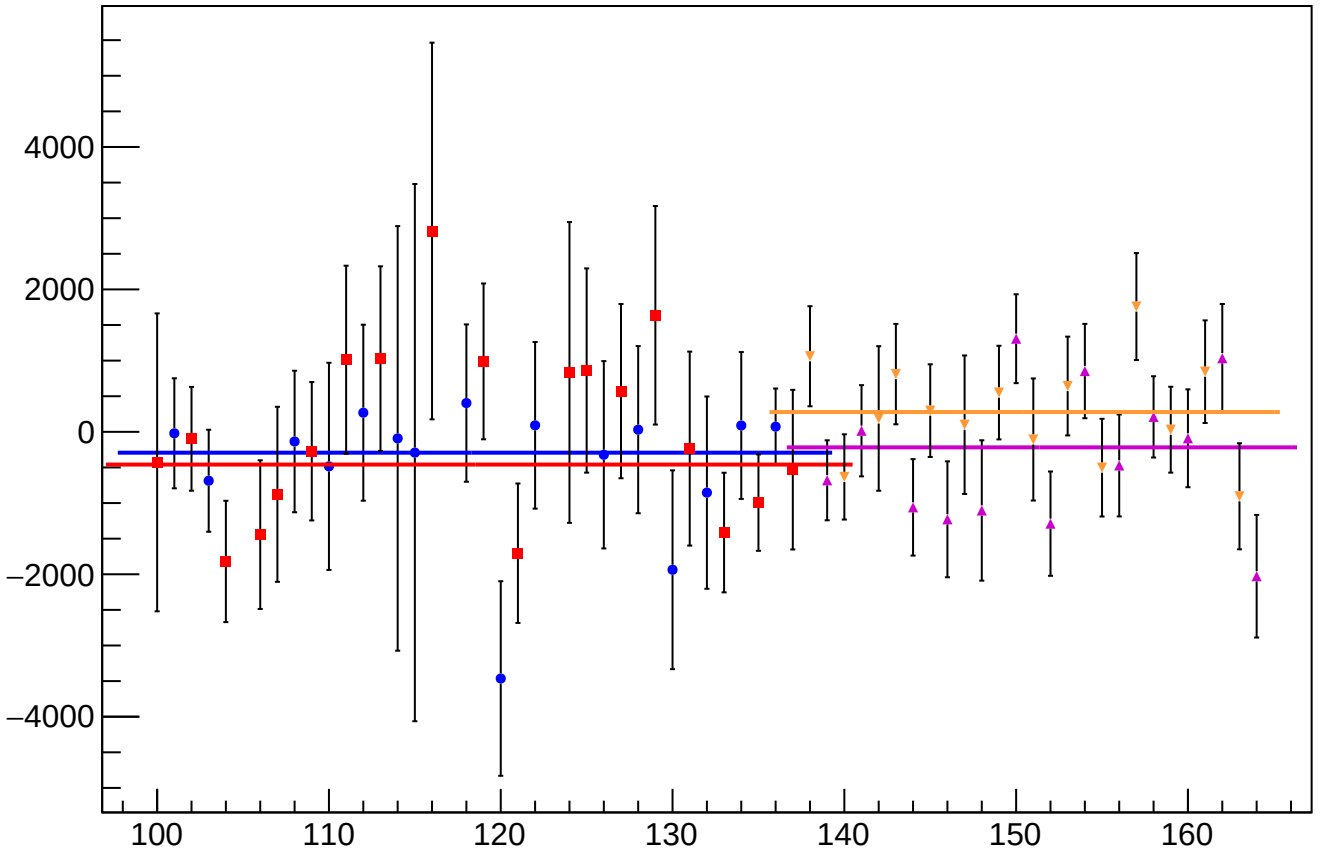
Left: 103.134+/-0.016 χ^2/NDF: 502264.6/26

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 99.045+/-0.017 χ^2/NDF:489948.2/28

Out: 96.945+/-0.016 χ^2/NDF:458285.7/32

All: 97.958+/-0.011 χ^2/NDF: 956588.7/61



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.822+/-191.194 χ^2/NDF:13.3/13

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -218.034+/-191.542 χ^2/NDF:23.3/12

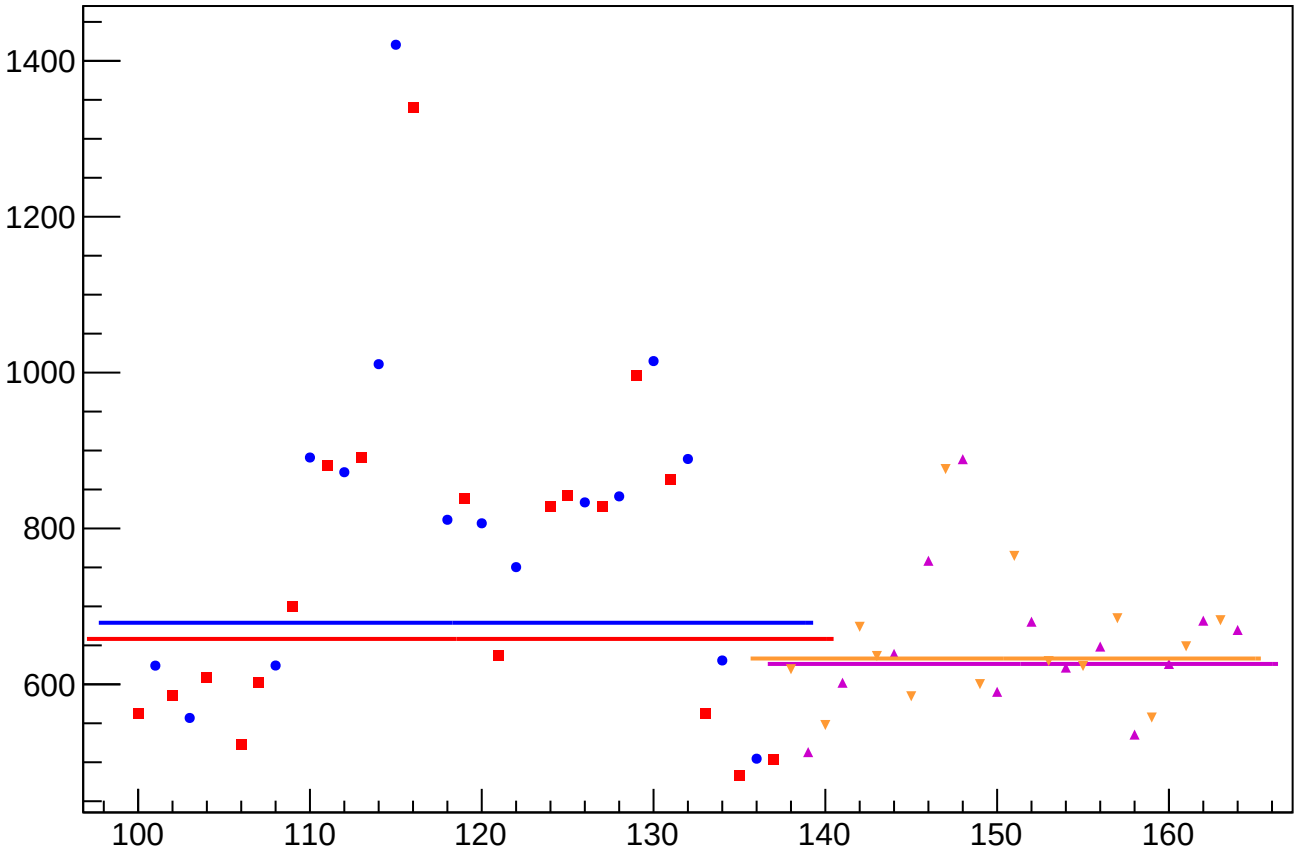
Left: 30.345+/-135.317 χ^2/NDF: 40.0/26

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -244.361+/-154.148 χ^2/NDF:32.1/28

Out: 5.058+/-151.769 χ^2/NDF:35.9/32

All: -117.711+/-108.148 χ^2/NDF: 69.4/61



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 633.114+/-0.135 χ^2/NDF:284140.3/13

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 626.152+/-0.135 χ^2/NDF:365622.6/12

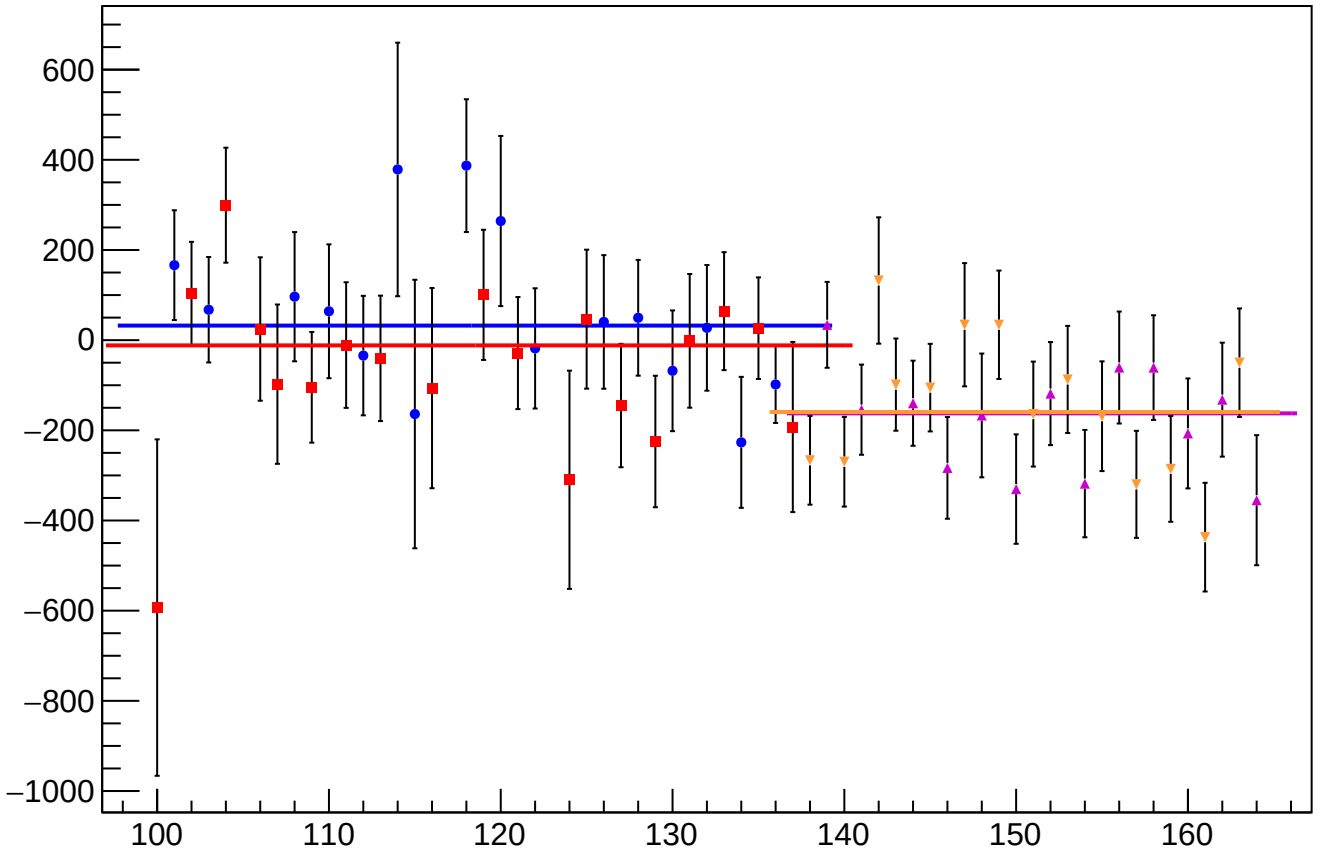
Left: 629.639+/-0.096 χ^2/NDF: 651086.5/26

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 644.773+/-0.109 χ^2/NDF:1187257.5/28

Out: 642.416+/-0.107 χ^2/NDF:1102837.2/32

All: 643.576+/-0.076 χ^2/NDF: 2290332.3/61



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -159.378+/-30.525 χ^2/NDF:21.5/13

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -162.384+/-31.843 χ^2/NDF:12.6/12

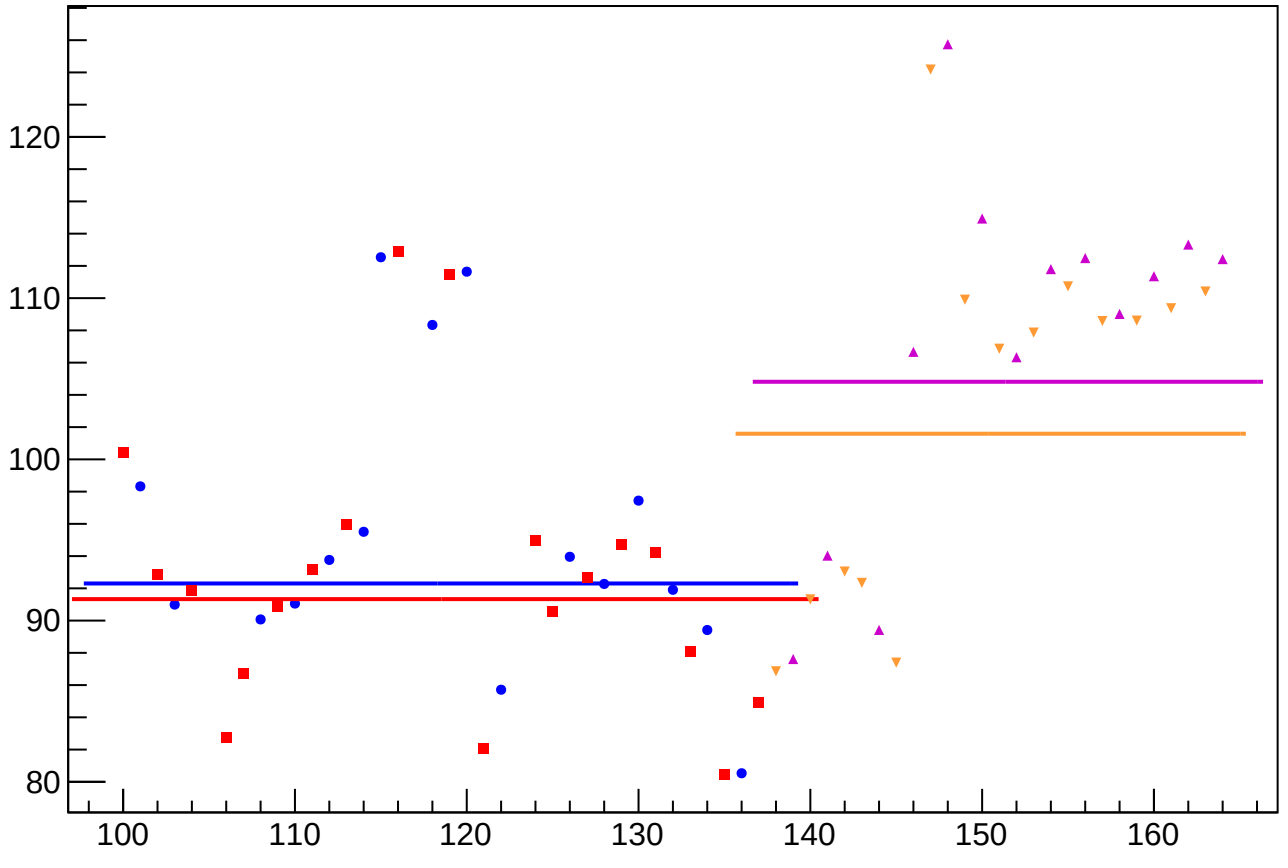
Left: -160.817+/-22.036 χ^2/NDF: 34.1/26

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -72.620+/-23.377 χ^2/NDF:47.2/28

Out: -92.435+/-22.578 χ^2/NDF:49.3/32

All: -82.872+/-16.240 χ^2/NDF: 96.9/61



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 101.591+/-0.022 χ^2/NDF:251046.7/13

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 104.813+/-0.023 χ^2/NDF:240547.7/12

Left: 103.134+/-0.016 χ^2/NDF: 502264.6/26

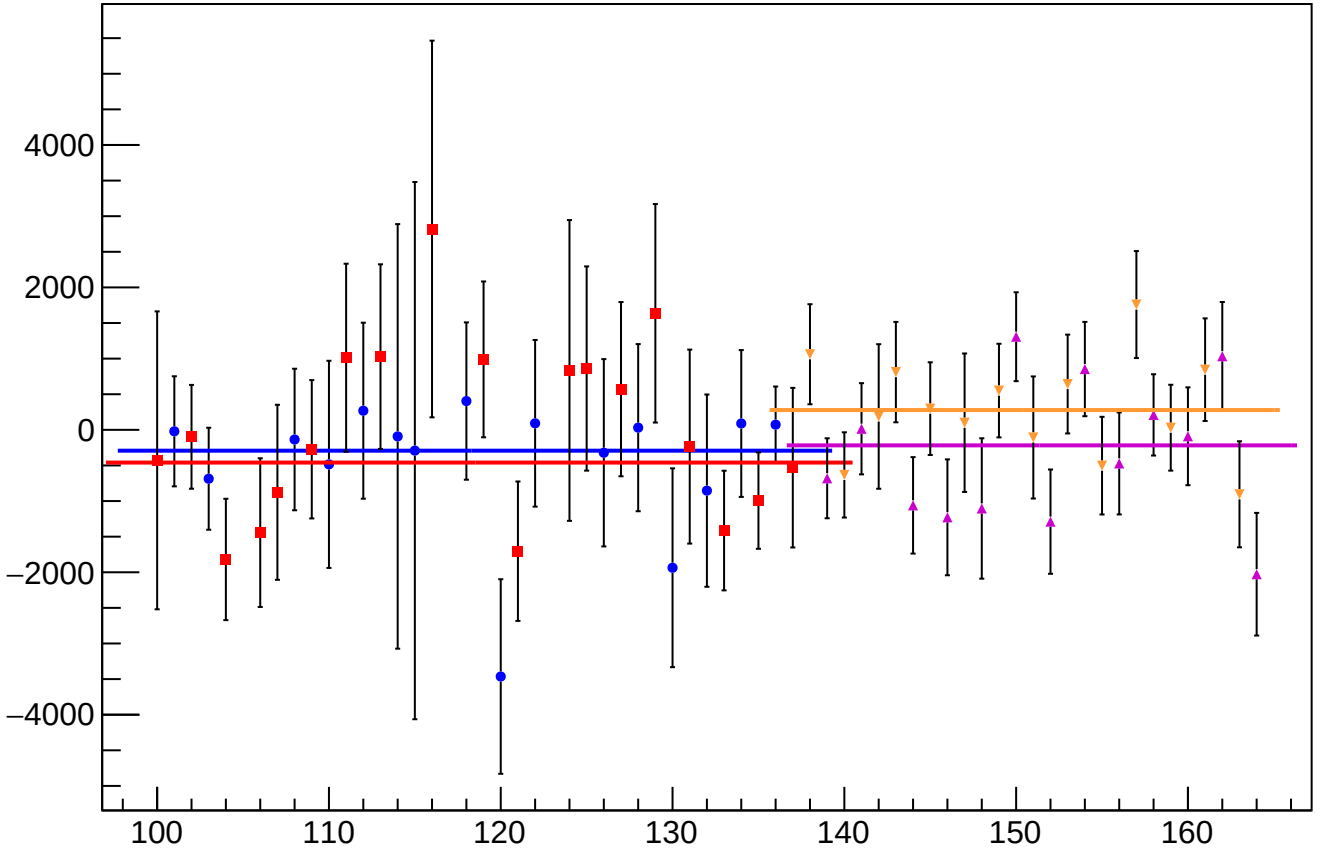
Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 99.045+/-0.017 χ^2/NDF:489948.2/28

Out: 96.945+/-0.016 χ^2/NDF:458285.7/32

All: 97.958+/-0.011 χ^2/NDF: 956588.7/61

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: 277.822+/-191.194 χ^2/NDF:13.3/13

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -218.034+/-191.542 χ^2/NDF:23.3/12

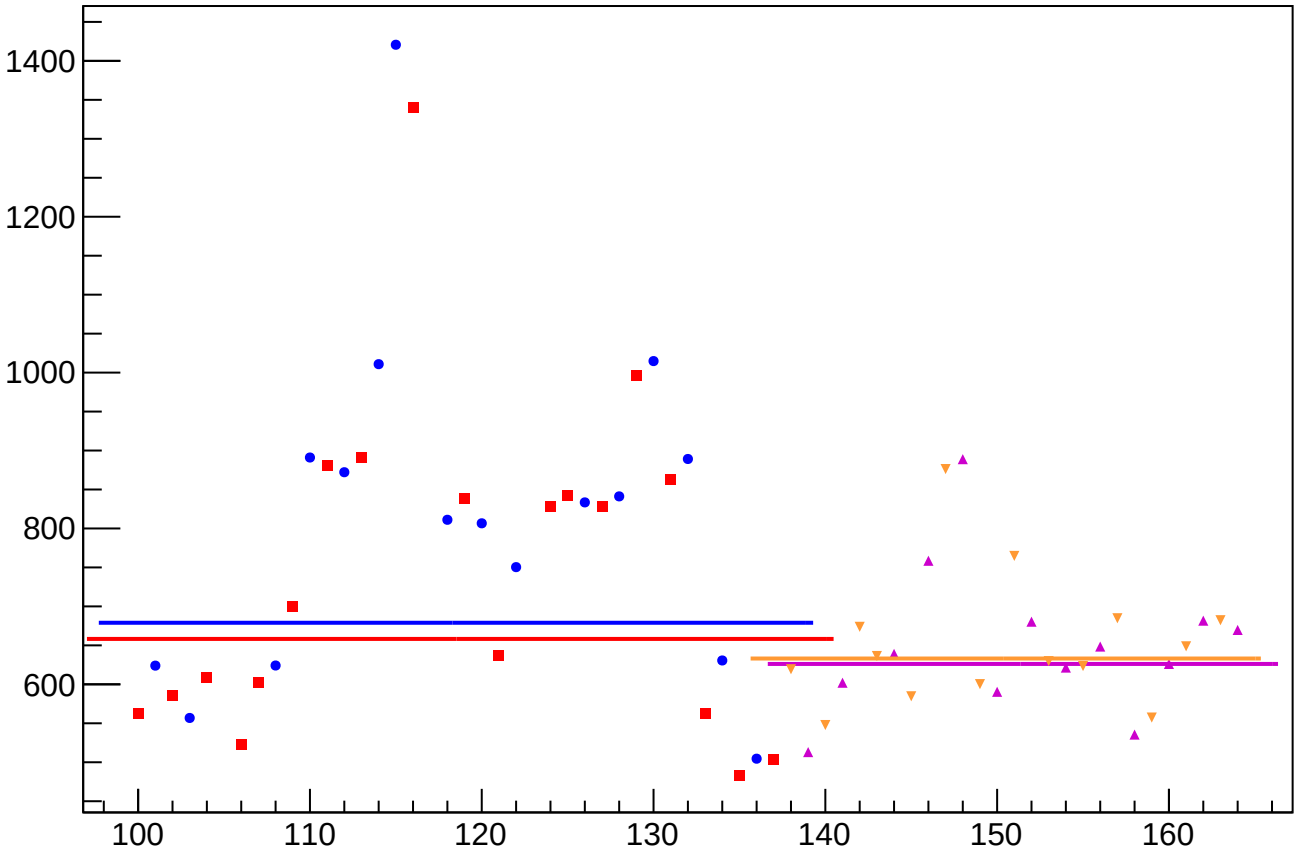
Left: 30.345+/-135.317 χ^2/NDF: 40.0/26

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -244.361+/-154.148 χ^2/NDF:32.1/28

Out: 5.058+/-151.769 χ^2/NDF:35.9/32

All: -117.711+/-108.148 χ^2/NDF: 69.4/61



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 633.114+/-0.135 χ^2/NDF:284140.3/13

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 626.152+/-0.135 χ^2/NDF:365622.6/12

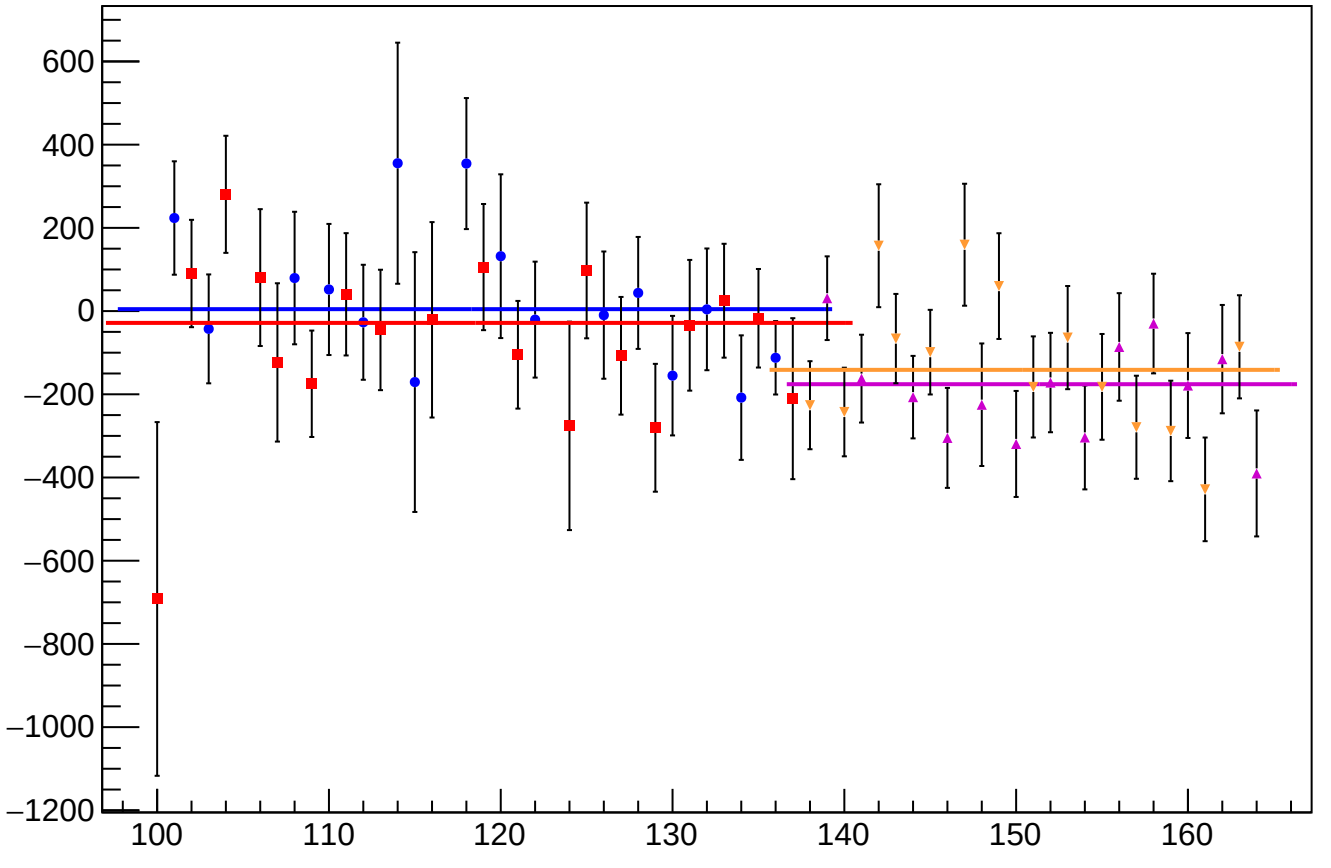
Left: 629.639+/-0.096 χ^2/NDF: 651086.5/26

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 644.773+/-0.109 χ^2/NDF:1187257.5/28

Out: 642.416+/-0.107 χ^2/NDF:1102837.2/32

All: 643.576+/-0.076 χ^2/NDF: 2290332.3/61



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -141.252+/-32.056 χ^2/NDF:21.9/13

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -175.752+/-33.397 χ^2/NDF:12.1/12

Left: -157.795+/-23.126 χ^2/NDF: 34.5/26

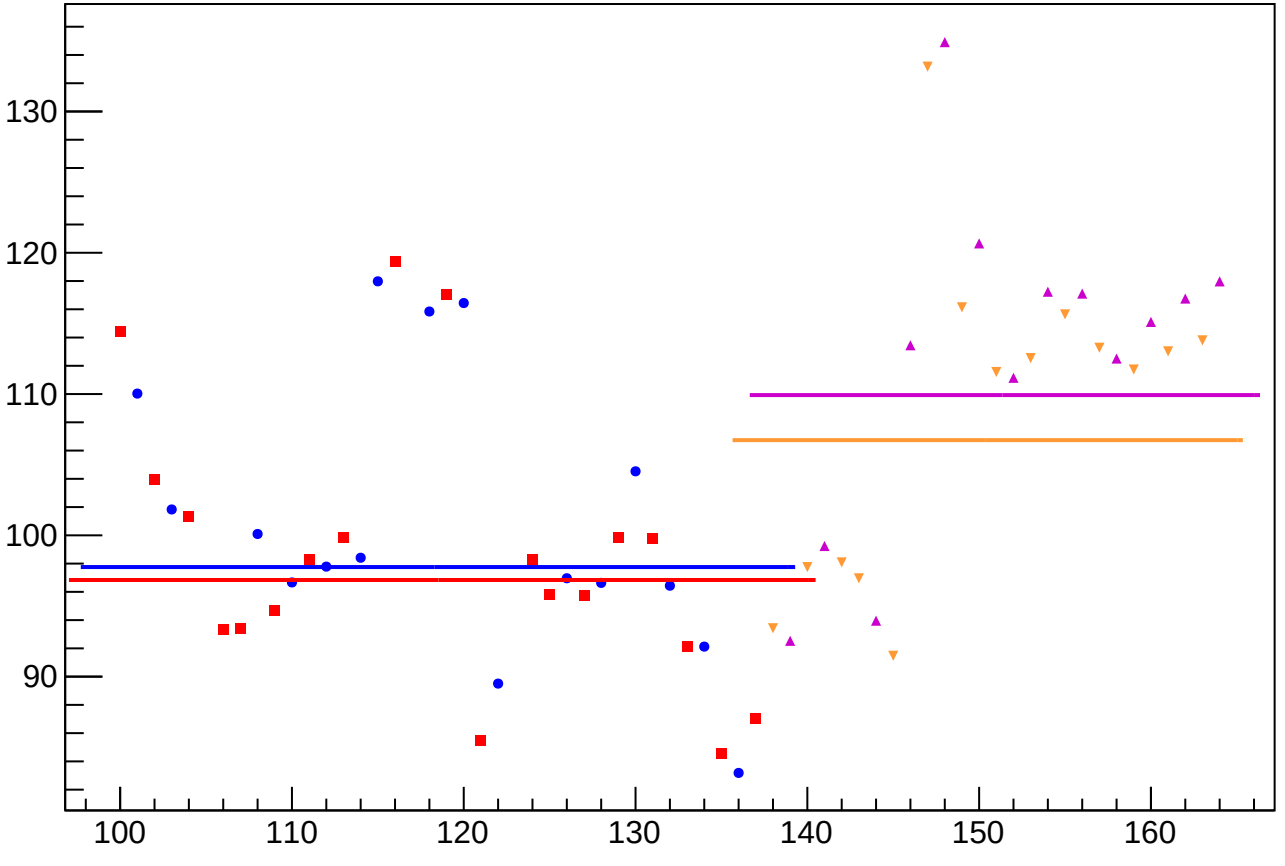
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -93.580+/-24.642 χ^2/NDF:40.7/28

Out: -90.513+/-23.781 χ^2/NDF:44.5/32

All: -91.992+/-17.112 χ^2/NDF: 85.3/61

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 106.738+/-0.023 χ^2/NDF:228341.7/13

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 109.927+/-0.024 χ^2/NDF:234338.8/12

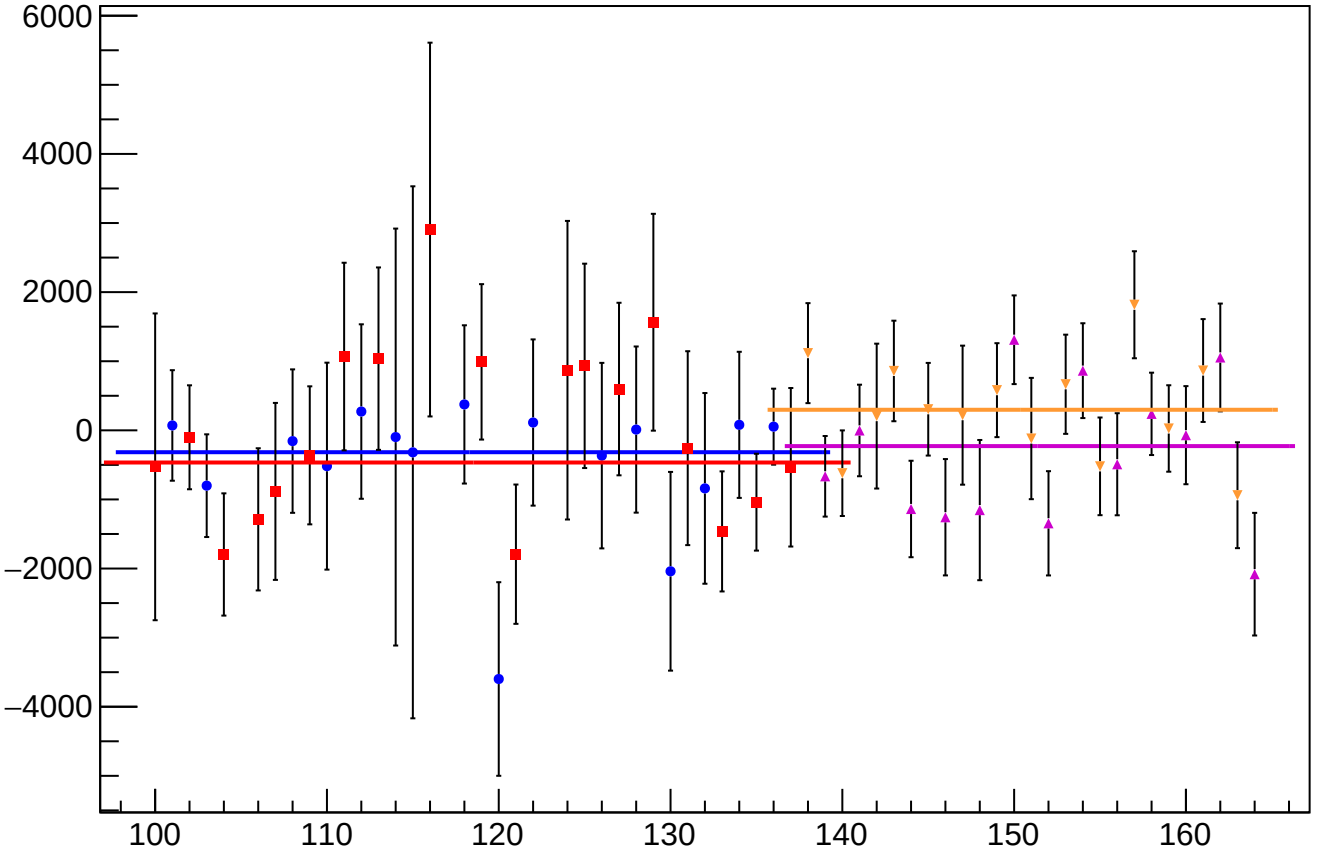
Left: 108.267+/-0.016 χ^2/NDF: 472171.6/26

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 104.382+/-0.017 χ^2/NDF:496008.7/28

Out: 102.287+/-0.017 χ^2/NDF:429261.1/32

All: 103.298+/-0.012 χ^2/NDF: 932753.5/61



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 297.609+/-197.384 χ^2/NDF:13.3/13

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -228.155+/-197.994 χ^2/NDF:23.0/12

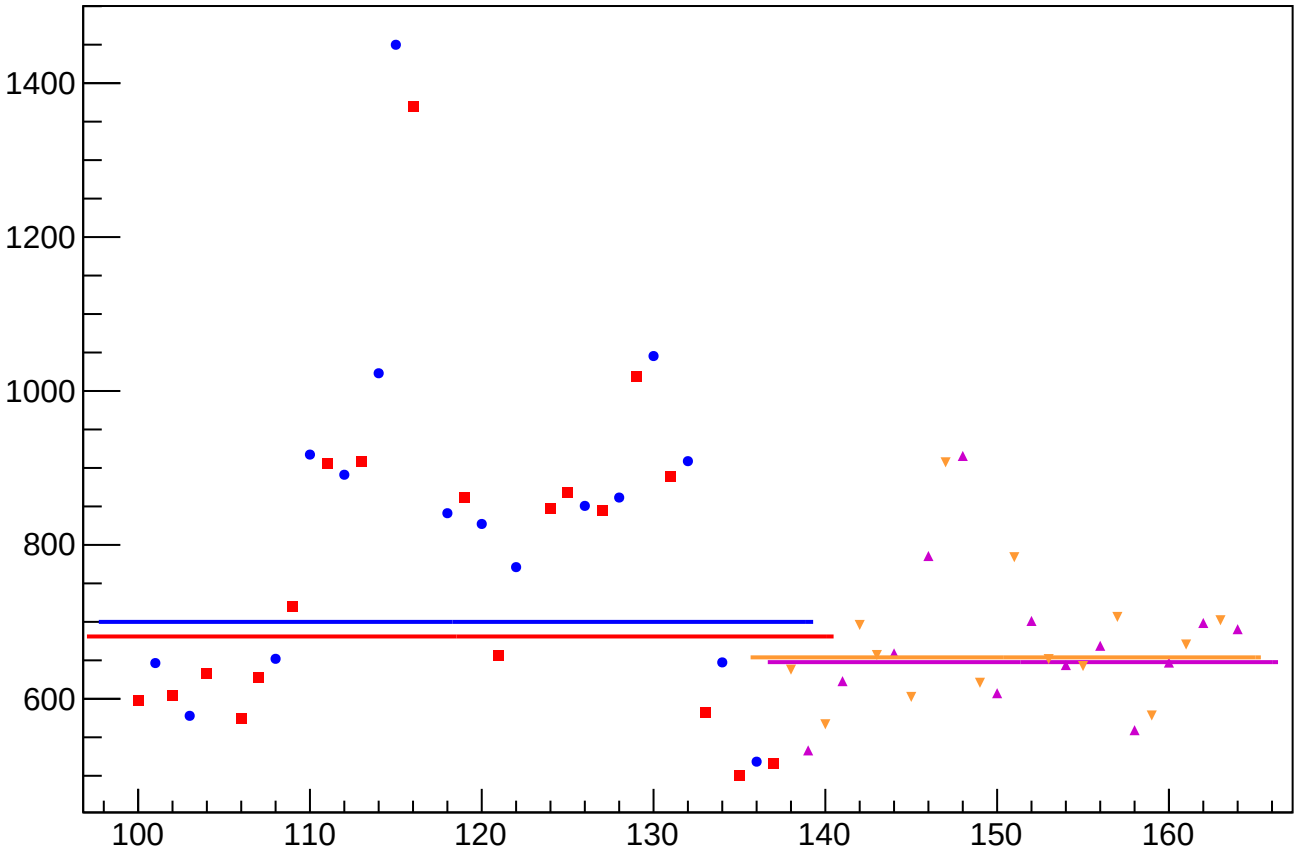
Left: 35.539+/-139.787 χ^2/NDF: 39.9/26

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -259.447+/-159.147 χ^2/NDF:32.3/28

Out: 13.962+/-156.462 χ^2/NDF:35.4/32

All: -120.417+/-111.572 χ^2/NDF: 69.1/61



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 653.883+/-0.140 χ^2/NDF:278803.4/13

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 647.679+/-0.140 χ^2/NDF:350650.4/12

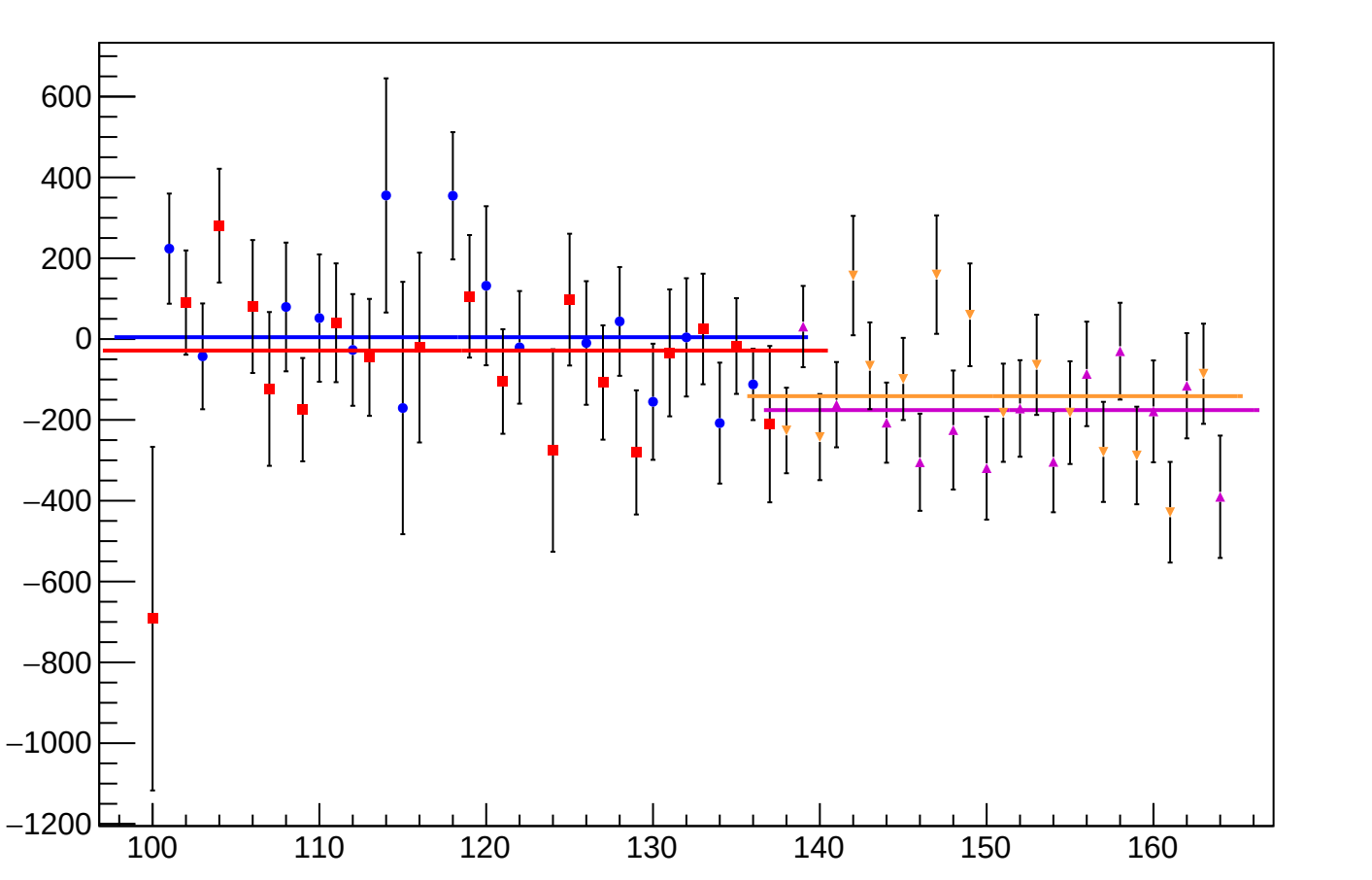
Left: 650.791+/-0.099 χ^2/NDF: 630438.5/26

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 666.187+/-0.113 χ^2/NDF:1153692.2/28

Out: 663.967+/-0.111 χ^2/NDF:1062247.3/32

All: 665.058+/-0.079 χ^2/NDF: 2216137.3/61



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -141.252+/-32.056 χ^2/NDF:21.9/13

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -175.753+/-33.397 χ^2/NDF:12.1/12

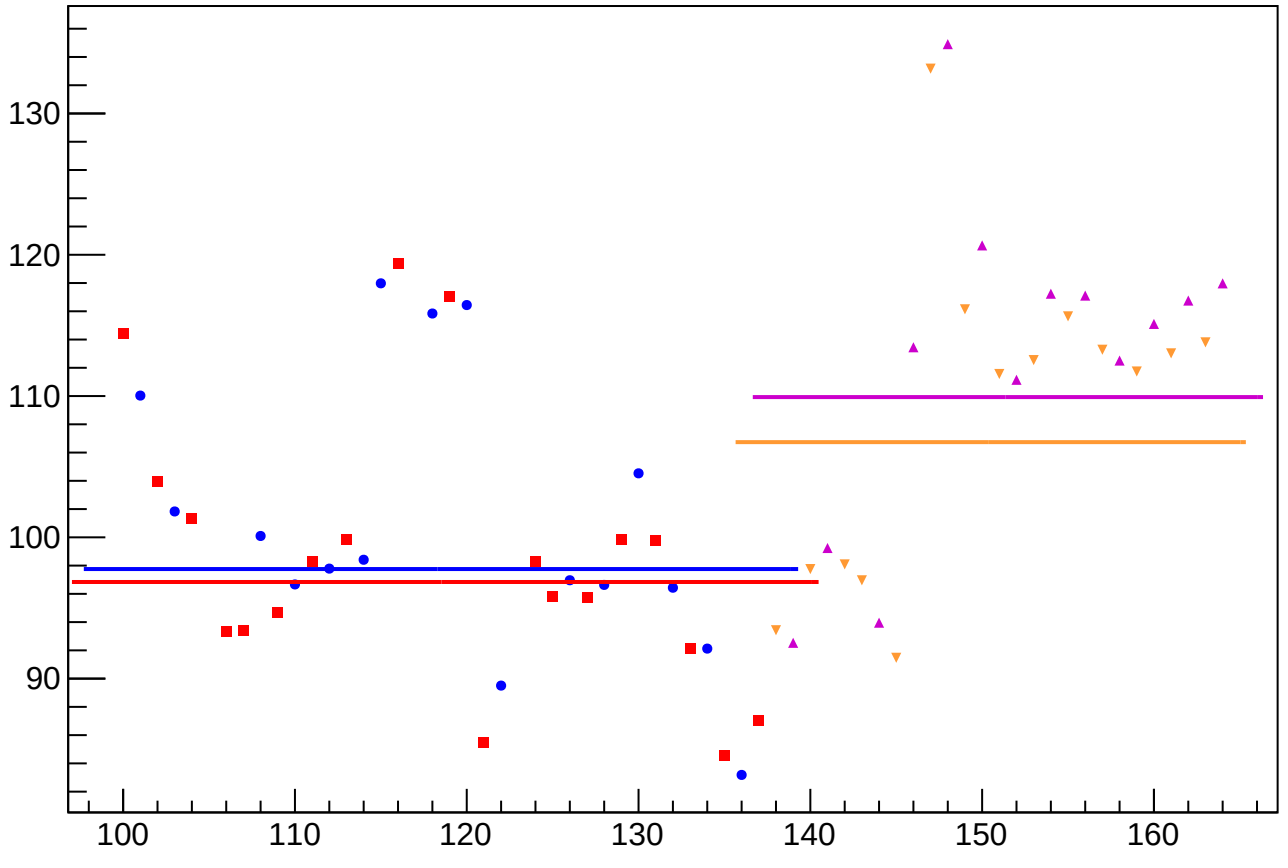
Left: -157.796+/-23.127 χ^2/NDF: 34.5/26

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -93.579+/-24.642 χ^2/NDF:40.7/28

Out: -90.512+/-23.781 χ^2/NDF:44.5/32

All: -91.991+/-17.112 χ^2/NDF: 85.3/61



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 106.738+/-0.023 χ^2/NDF:228341.1/13

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 109.927+/-0.024 χ^2/NDF:234336.6/12

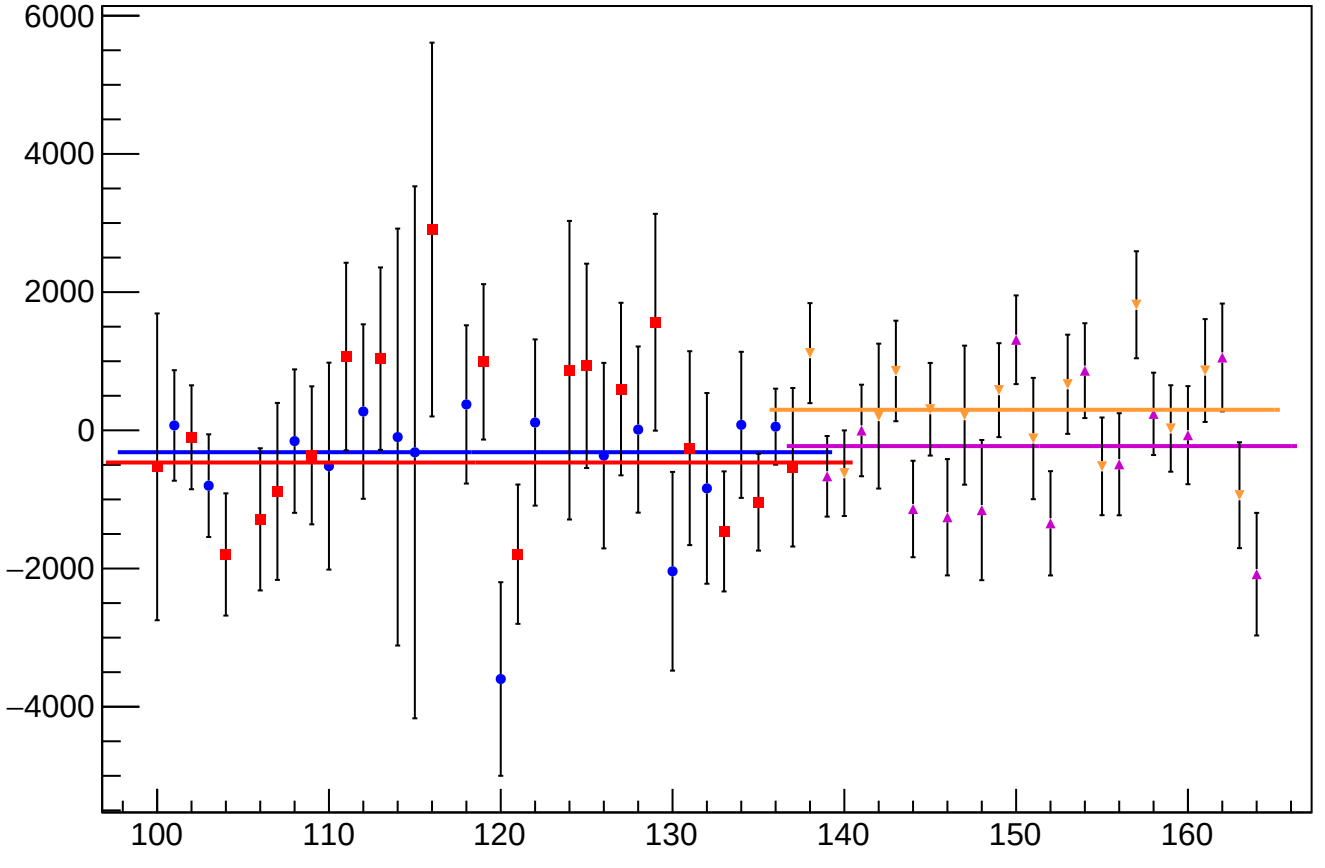
Left: 108.267+/-0.016 χ^2/NDF: 472169.0/26

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 104.382+/-0.017 χ^2/NDF:496015.0/28

Out: 102.287+/-0.017 χ^2/NDF:429269.6/32

All: 103.298+/-0.012 χ^2/NDF: 932768.6/61



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 297.609+/-197.384 χ^2/NDF:13.3/13

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -228.155+/-197.994 χ^2/NDF:23.0/12

Left: 35.539+/-139.787 χ^2/NDF: 39.9/26

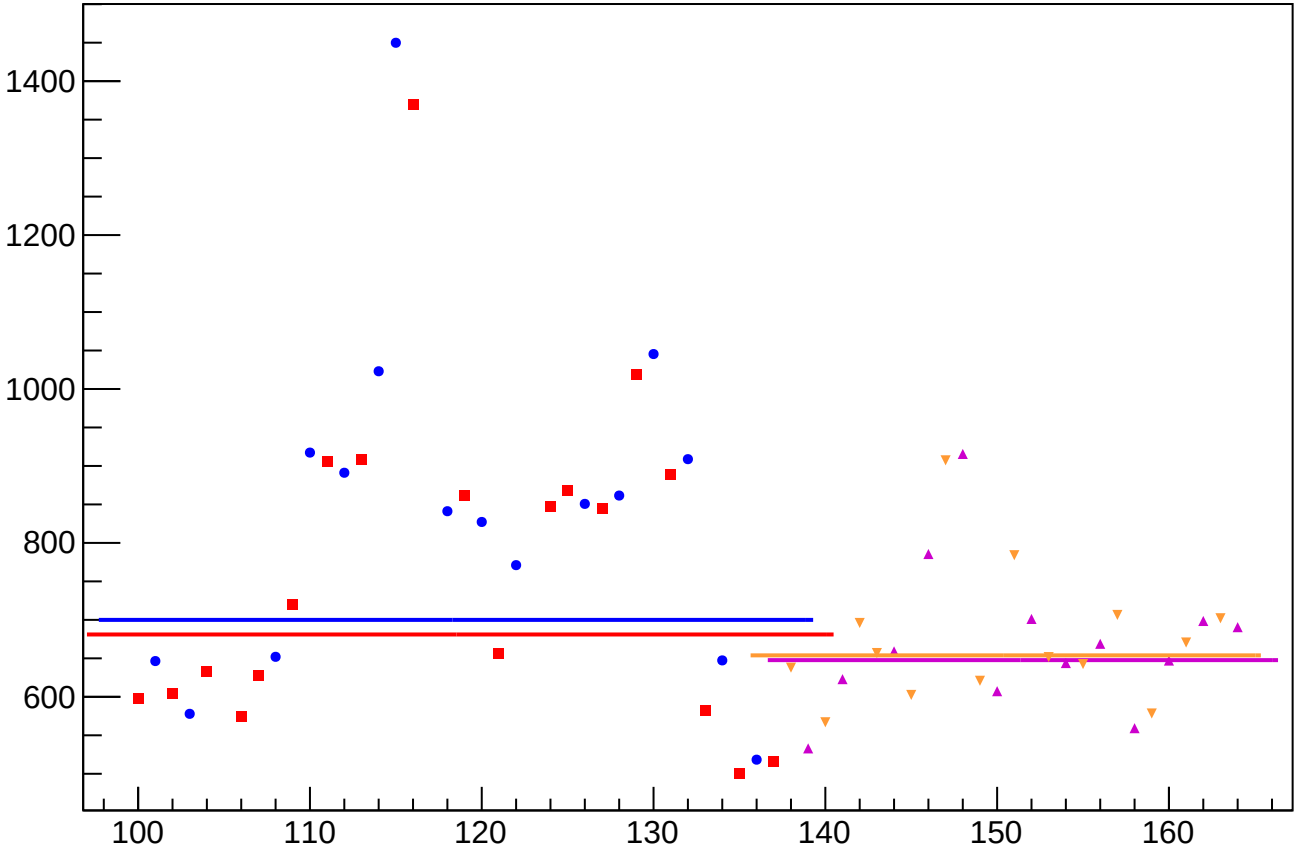
Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -259.447+/-159.147 χ^2/NDF:32.3/28

Out: 13.961+/-156.462 χ^2/NDF:35.4/32

All: -120.417+/-111.572 χ^2/NDF: 69.1/61

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 653.884+/-0.140 χ^2/NDF:278803.9/13

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 647.680+/-0.140 χ^2/NDF:350650.9/12

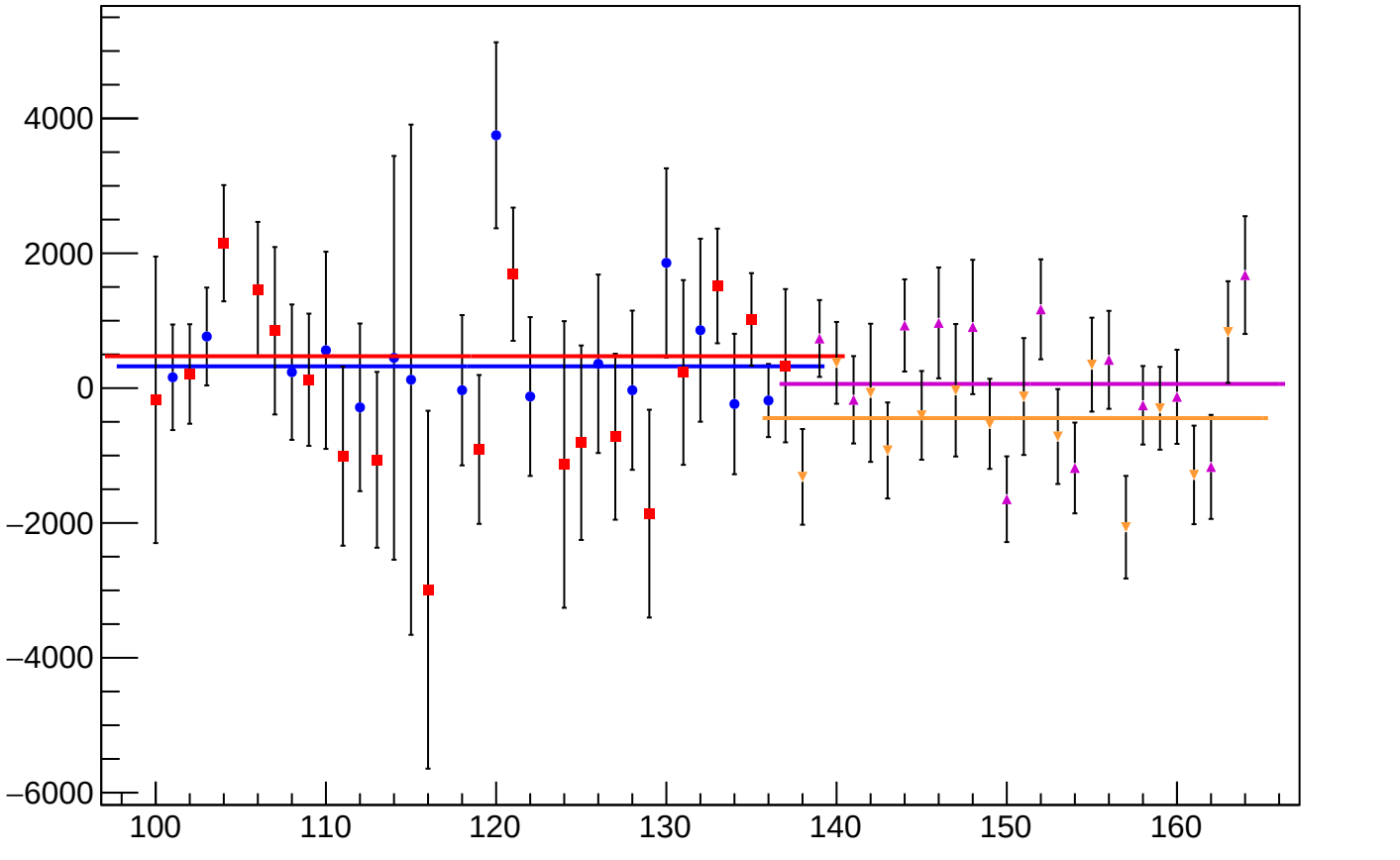
Left: 650.791+/-0.099 χ^2/NDF: 630439.5/26

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 666.187+/-0.113 χ^2/NDF:1153691.6/28

Out: 663.967+/-0.111 χ^2/NDF:1062248.6/32

All: 665.058+/-0.079 χ^2/NDF: 2216138.0/61



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -444.587+/-193.792 χ^2/NDF:14.5/13

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 62.055+/-194.372 χ^2/NDF:24.5/12

Left: -192.023+/-137.236 χ^2/NDF: 42.4/26

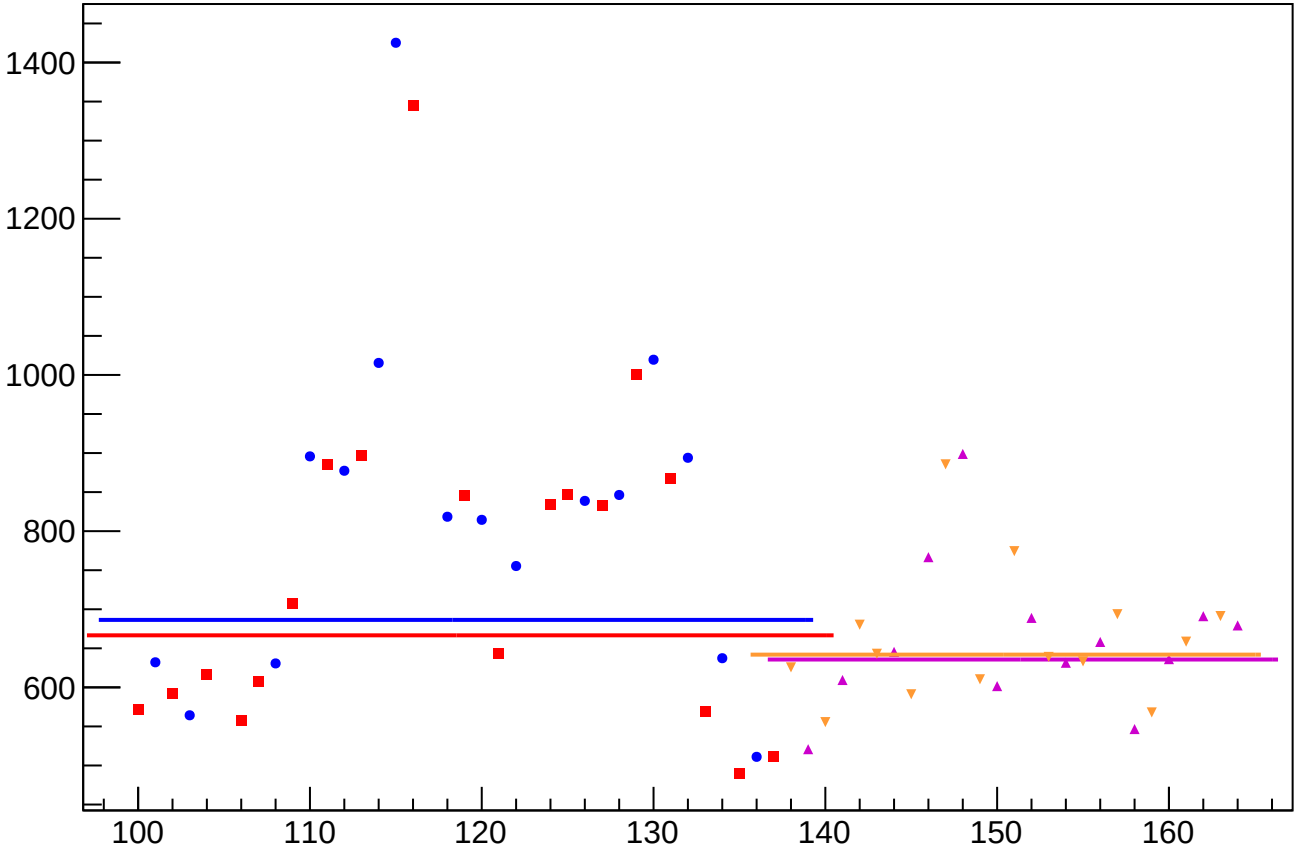
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 154.609+/-156.174 χ^2/NDF:34.9/28

Out: -102.367+/-153.468 χ^2/NDF:42.2/32

All: 23.875+/-109.463 χ^2/NDF: 78.5/61

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 641.925+/-0.137 χ^2/NDF:278669.4/13

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 635.657+/-0.137 χ^2/NDF:355399.2/12

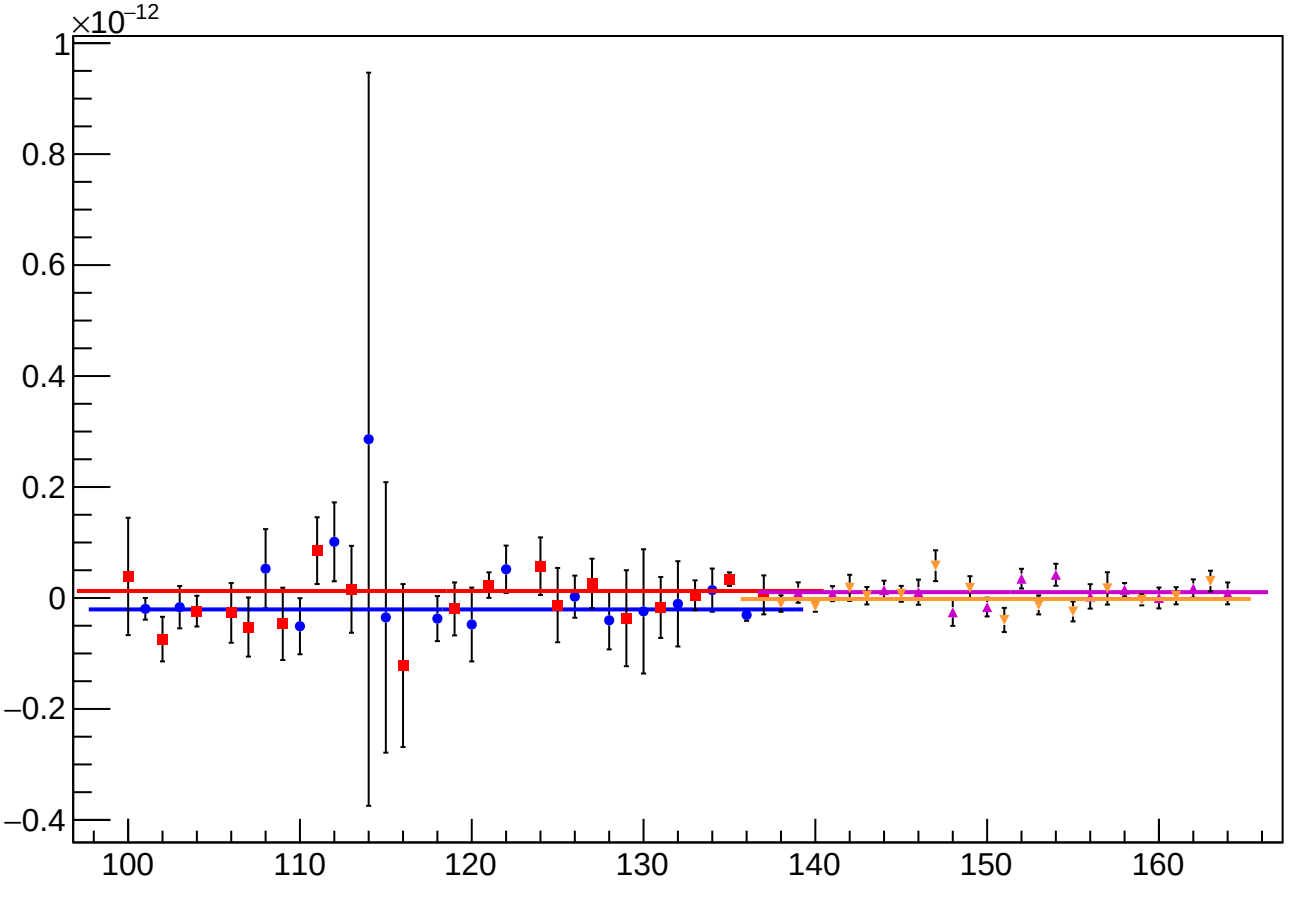
Left: 638.801+/-0.097 χ^2/NDF: 635111.7/26

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 653.639+/-0.110 χ^2/NDF:1153151.7/28

Out: 651.138+/-0.109 χ^2/NDF:1067826.3/32

All: 652.367+/-0.077 χ^2/NDF: 2221238.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.9/12

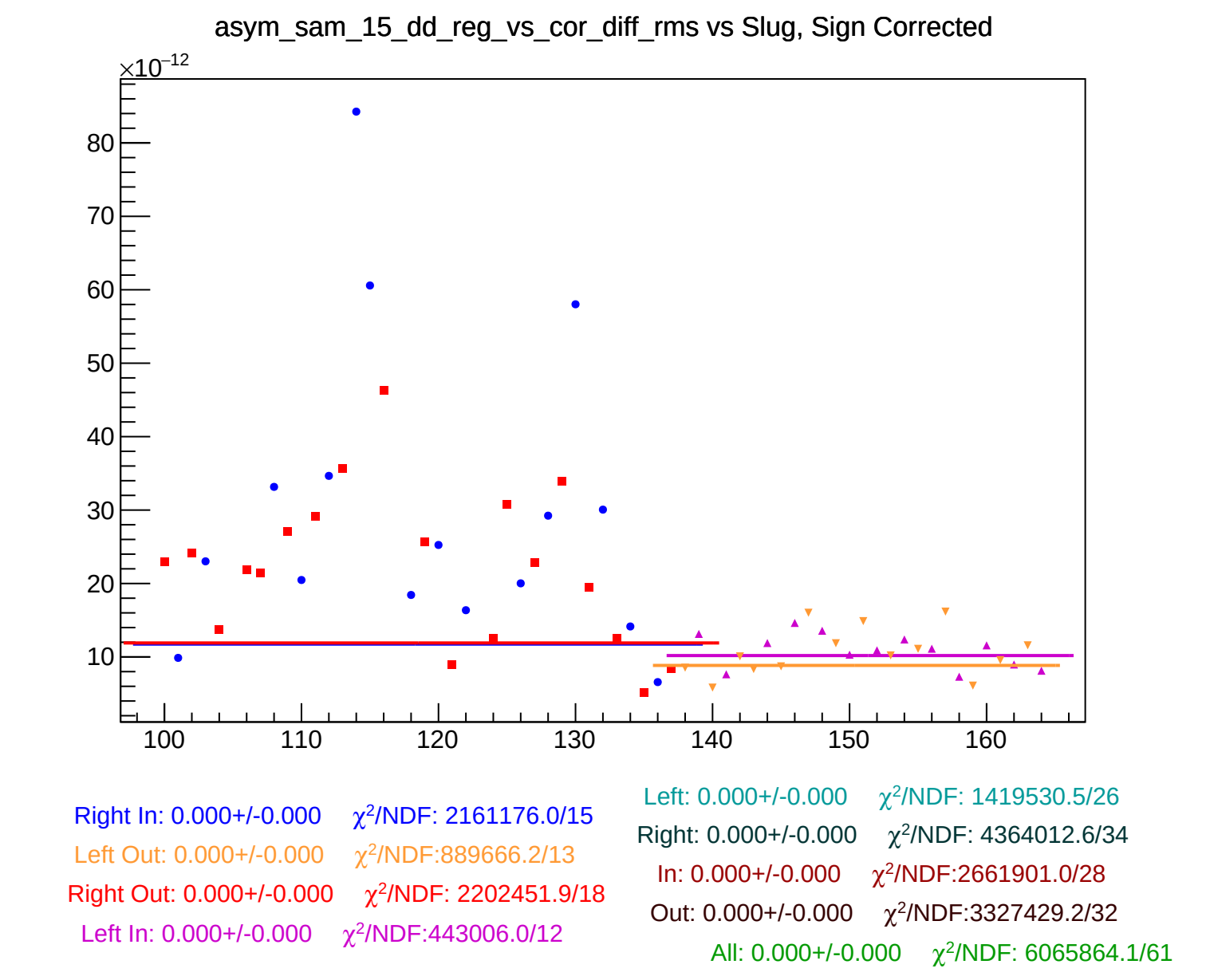
Left: 0.000+/-0.000 χ^2/NDF: 31.0/26

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:31.3/28

Out: 0.000+/-0.000 χ^2/NDF:37.1/32

All: 0.000+/-0.000 χ^2/NDF: 68.4/61


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
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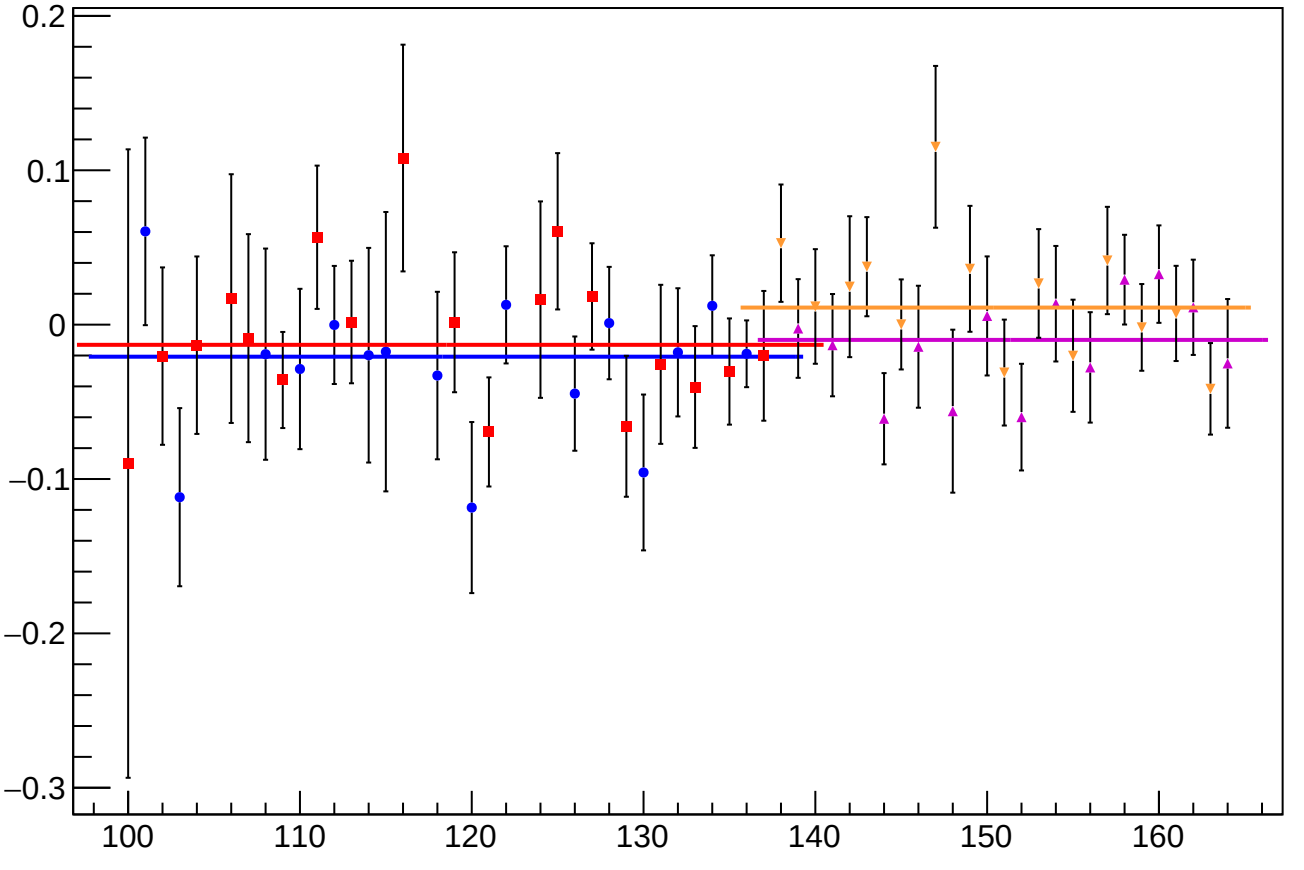
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:889666.2/13
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:443006.0/12
Left: 0.000+/-0.000 χ²/NDF: 1419530.5/26
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2661901.0/28
Out: 0.000+/-0.000 χ²/NDF:3327429.2/32
All: 0.000+/-0.000 χ²/NDF: 6065864.1/61



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.009 χ^2/NDF:13.0/13

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.010 χ^2/NDF:11.0/12

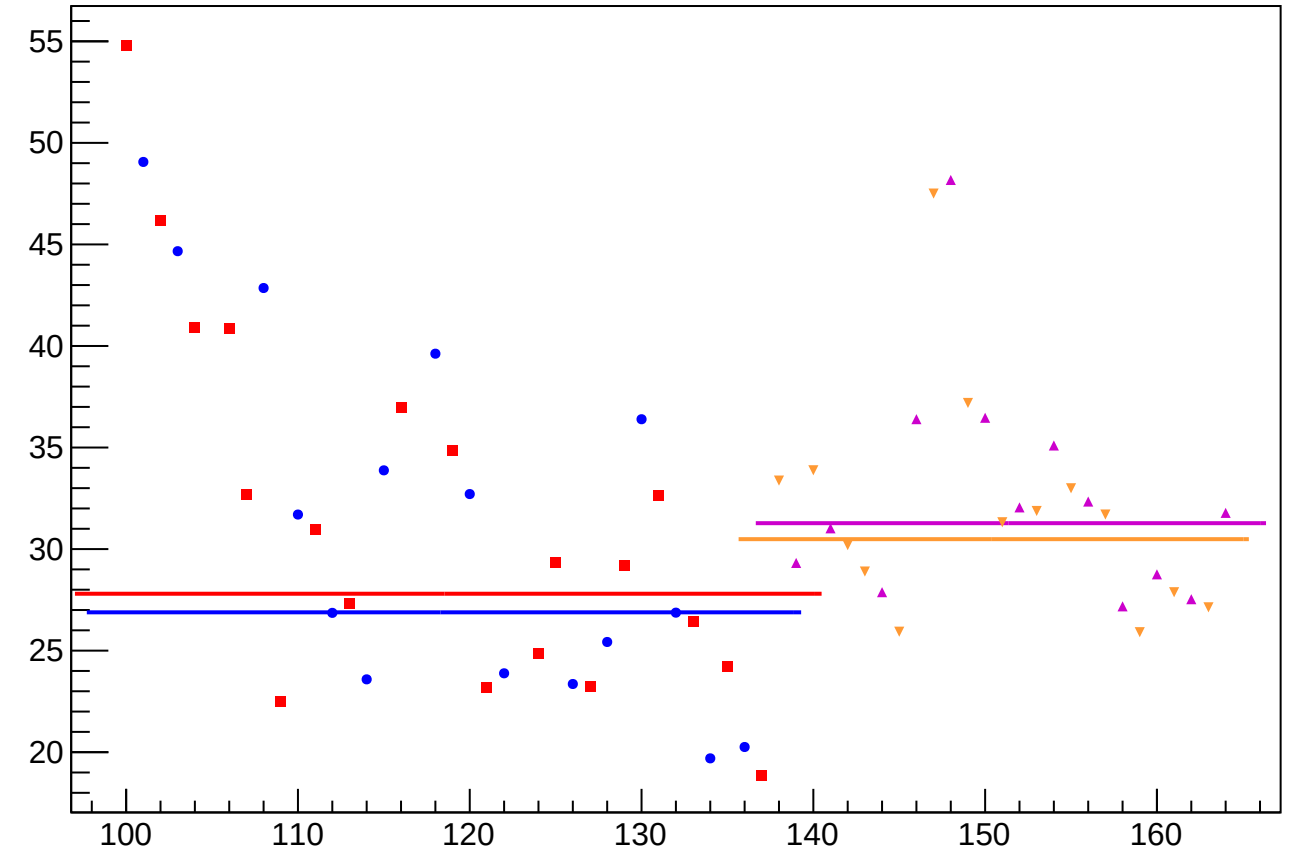
Left: 0.001+/-0.007 χ^2/NDF: 26.5/26

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.015+/-0.007 χ^2/NDF:24.1/28

Out: 0.001+/-0.007 χ^2/NDF:29.9/32

All: -0.007+/-0.005 χ^2/NDF: 56.4/61



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.489+/-0.007 χ^2/NDF:456296.4/13

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.276+/-0.007 χ^2/NDF:414610.1/12

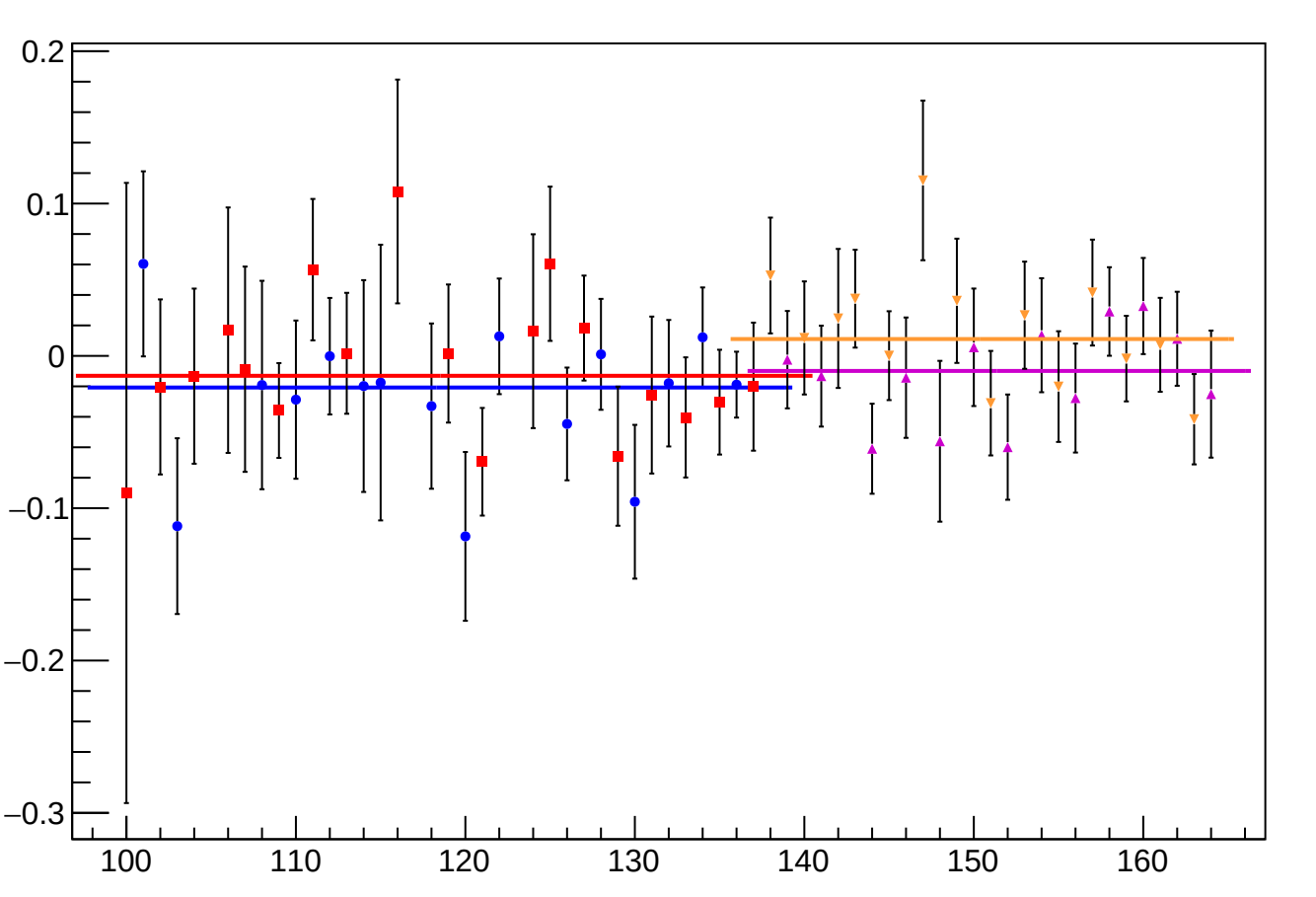
Left: 30.867+/-0.005 χ^2/NDF: 877882.3/26

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.279+/-0.005 χ^2/NDF:1725396.3/28

Out: 29.321+/-0.005 χ^2/NDF:1292864.4/32

All: 29.300+/-0.004 χ^2/NDF: 3018296.4/61



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.009 χ^2/NDF:13.0/13

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.010 χ^2/NDF:11.0/12

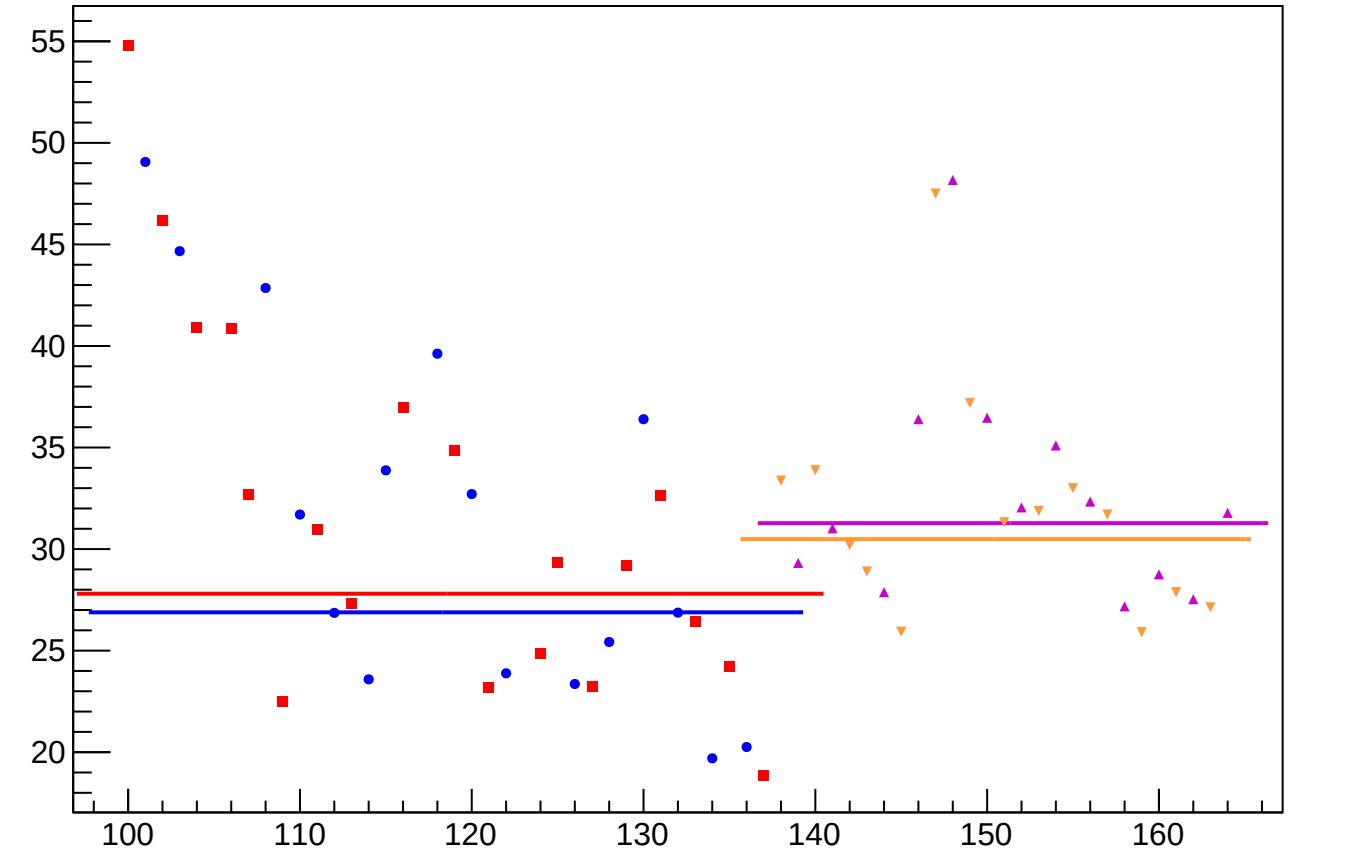
Left: 0.001+/-0.007 χ^2/NDF: 26.5/26

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.015+/-0.007 χ^2/NDF:24.1/28

Out: 0.001+/-0.007 χ^2/NDF:29.9/32

All: -0.007+/-0.005 χ^2/NDF: 56.4/61



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.489+/-0.007 χ^2/NDF:456296.4/13

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.276+/-0.007 χ^2/NDF:414610.1/12

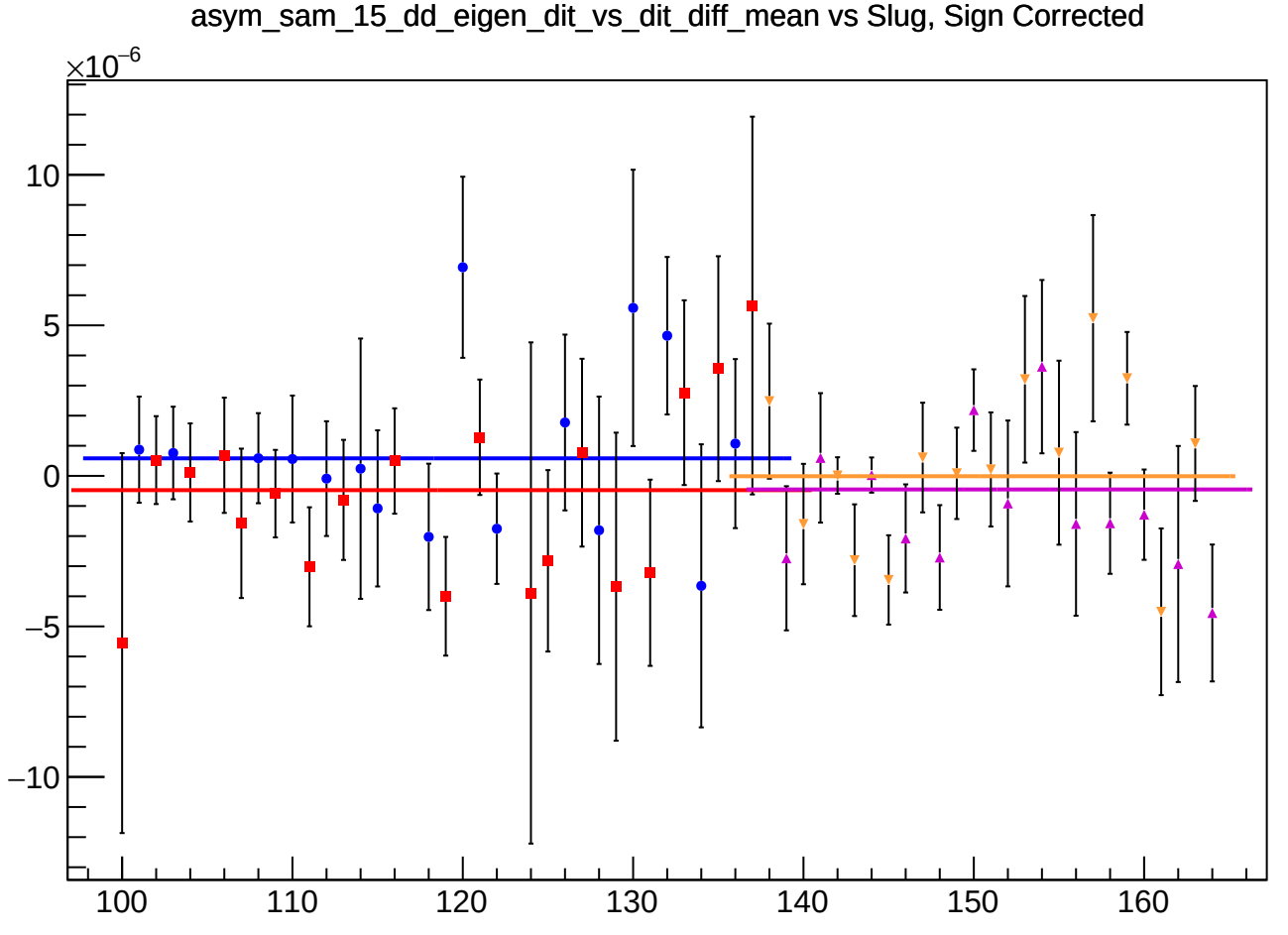
Left: 30.867+/-0.005 χ^2/NDF: 877882.3/26

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.279+/-0.005 χ^2/NDF:1725396.3/28

Out: 29.321+/-0.005 χ^2/NDF:1292864.4/32

All: 29.300+/-0.004 χ^2/NDF: 3018296.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.7/12

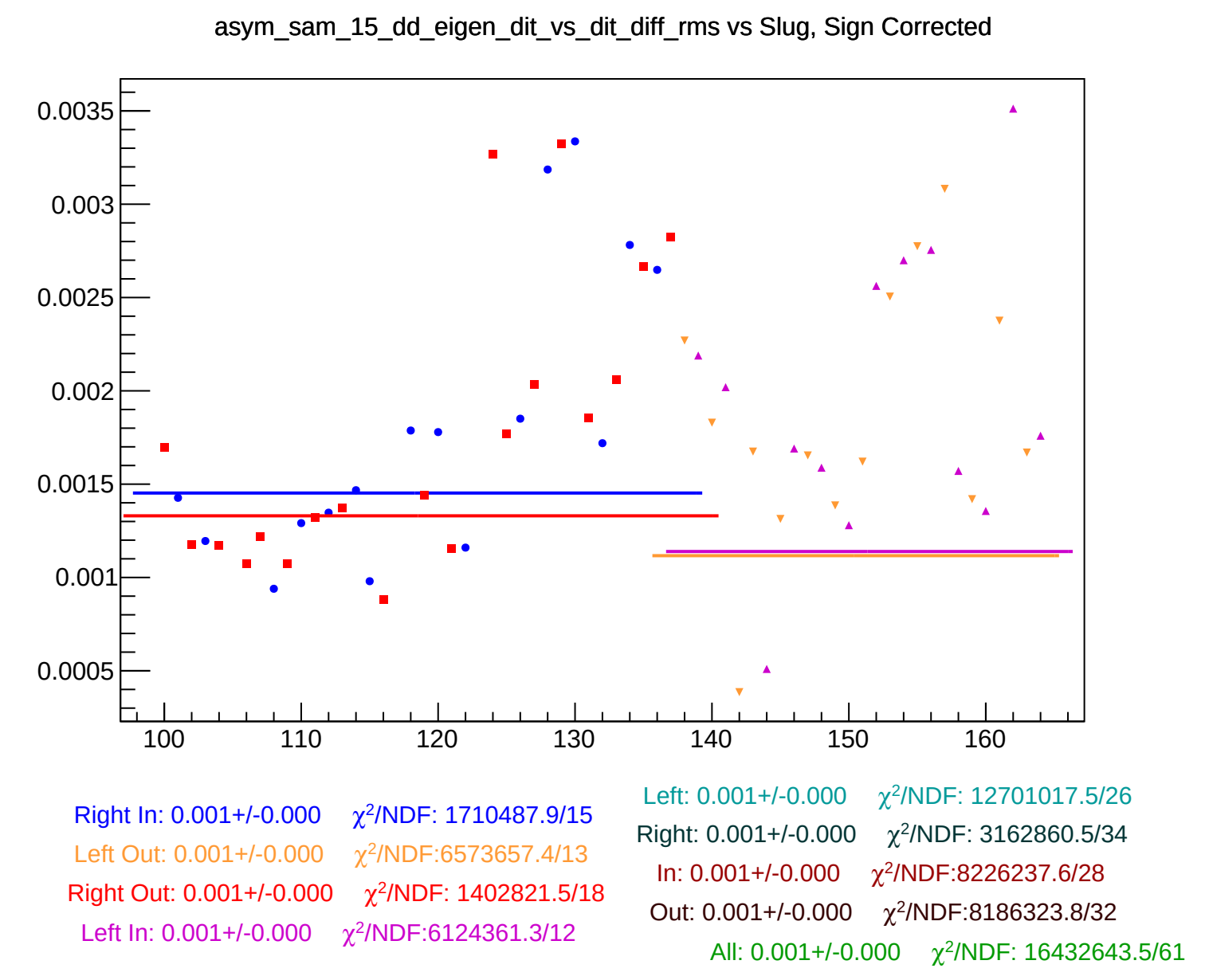
Left: -0.000+/-0.000 χ^2/NDF: 35.8/26

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:29.6/28

Out: -0.000+/-0.000 χ^2/NDF:34.2/32

All: -0.000+/-0.000 χ^2/NDF: 63.8/61


asym_sam_15_dd_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
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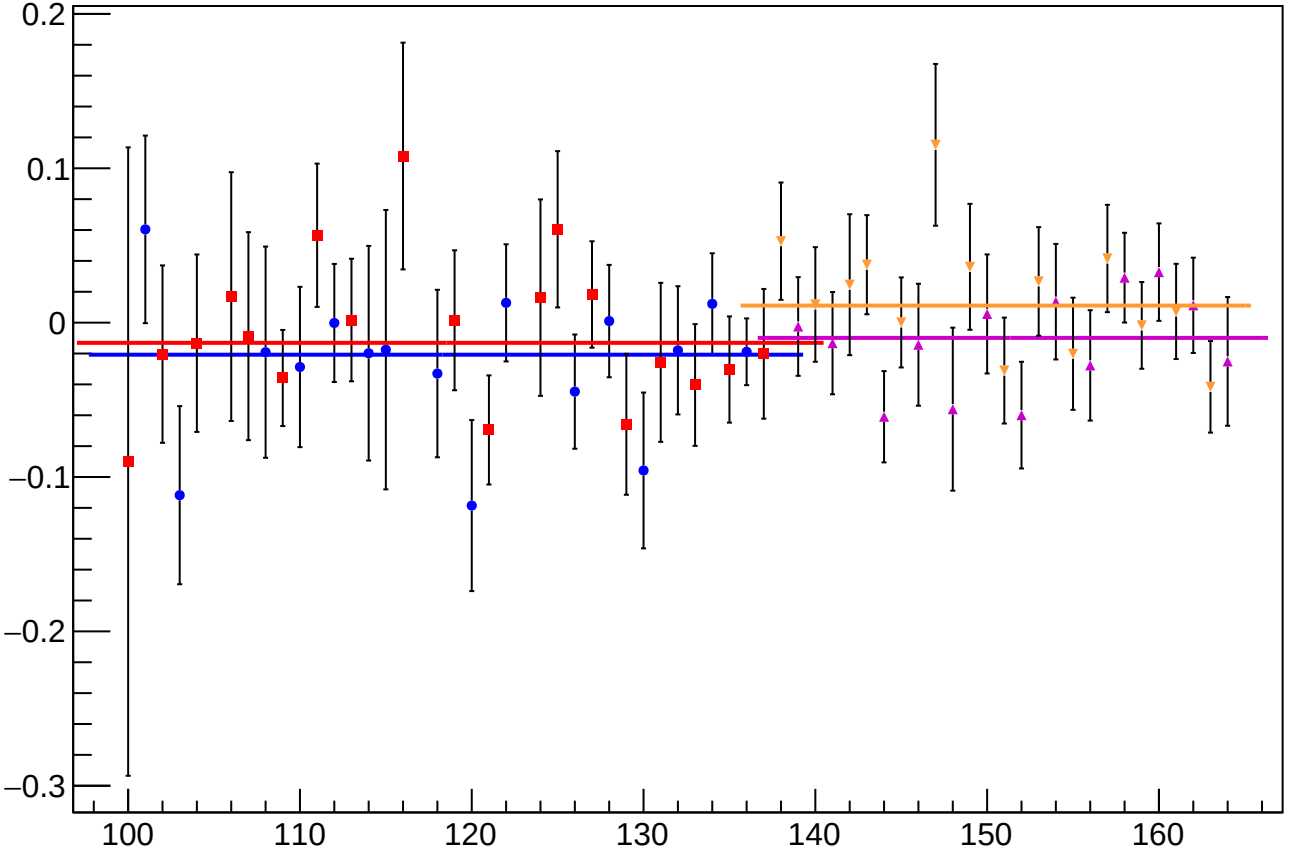
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:6573657.4/13
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:6124361.3/12
Left: 0.001+/-0.000 χ²/NDF: 12701017.5/26
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:8226237.6/28
Out: 0.001+/-0.000 χ²/NDF:8186323.8/32
All: 0.001+/-0.000 χ²/NDF: 16432643.5/61



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.009 χ^2/NDF:13.0/13

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.010 χ^2/NDF:11.0/12

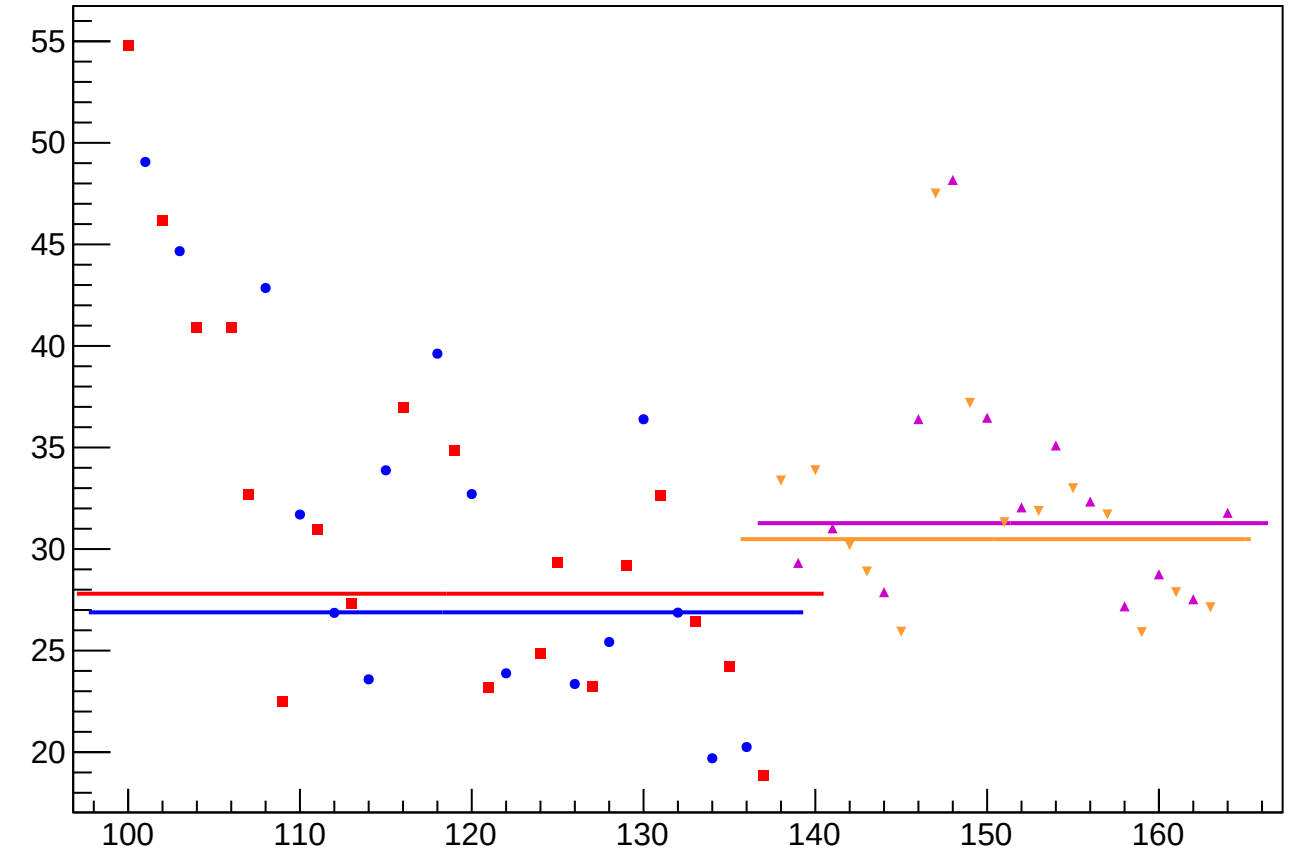
Left: 0.001+/-0.007 χ^2/NDF: 26.5/26

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.015+/-0.007 χ^2/NDF:24.1/28

Out: 0.001+/-0.007 χ^2/NDF:29.9/32

All: -0.007+/-0.005 χ^2/NDF: 56.4/61



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.488+/-0.007 χ^2/NDF:456411.0/13

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.275+/-0.007 χ^2/NDF:414711.2/12

Left: 30.867+/-0.005 χ^2/NDF: 878098.6/26

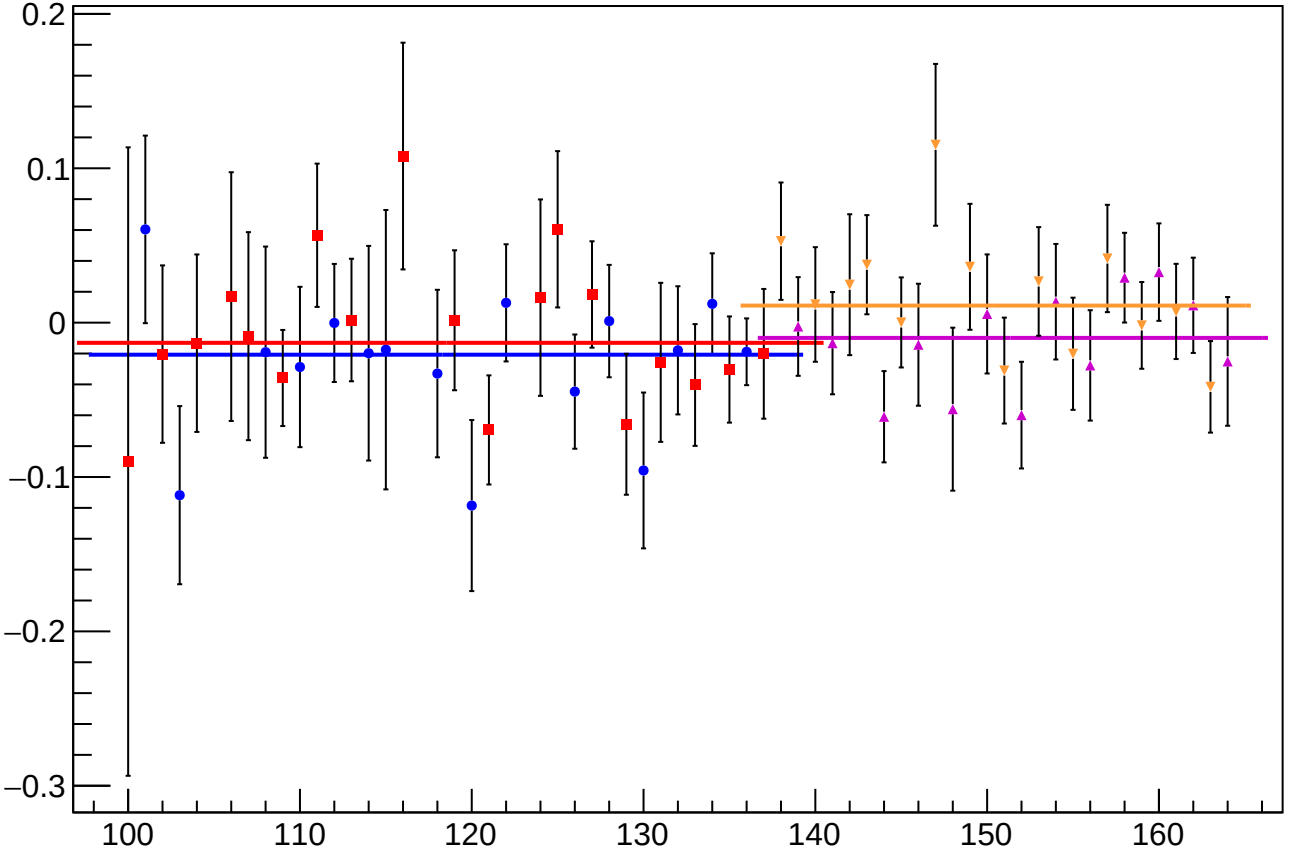
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.278+/-0.005 χ^2/NDF:1725579.8/28

Out: 29.320+/-0.005 χ^2/NDF:1293155.5/32

All: 29.300+/-0.004 χ^2/NDF: 3018770.6/61

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: 0.011+/-0.009 χ^2/NDF:13.0/13

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.010 χ^2/NDF:11.0/12

Left: 0.001+/-0.007 χ^2/NDF: 26.5/26

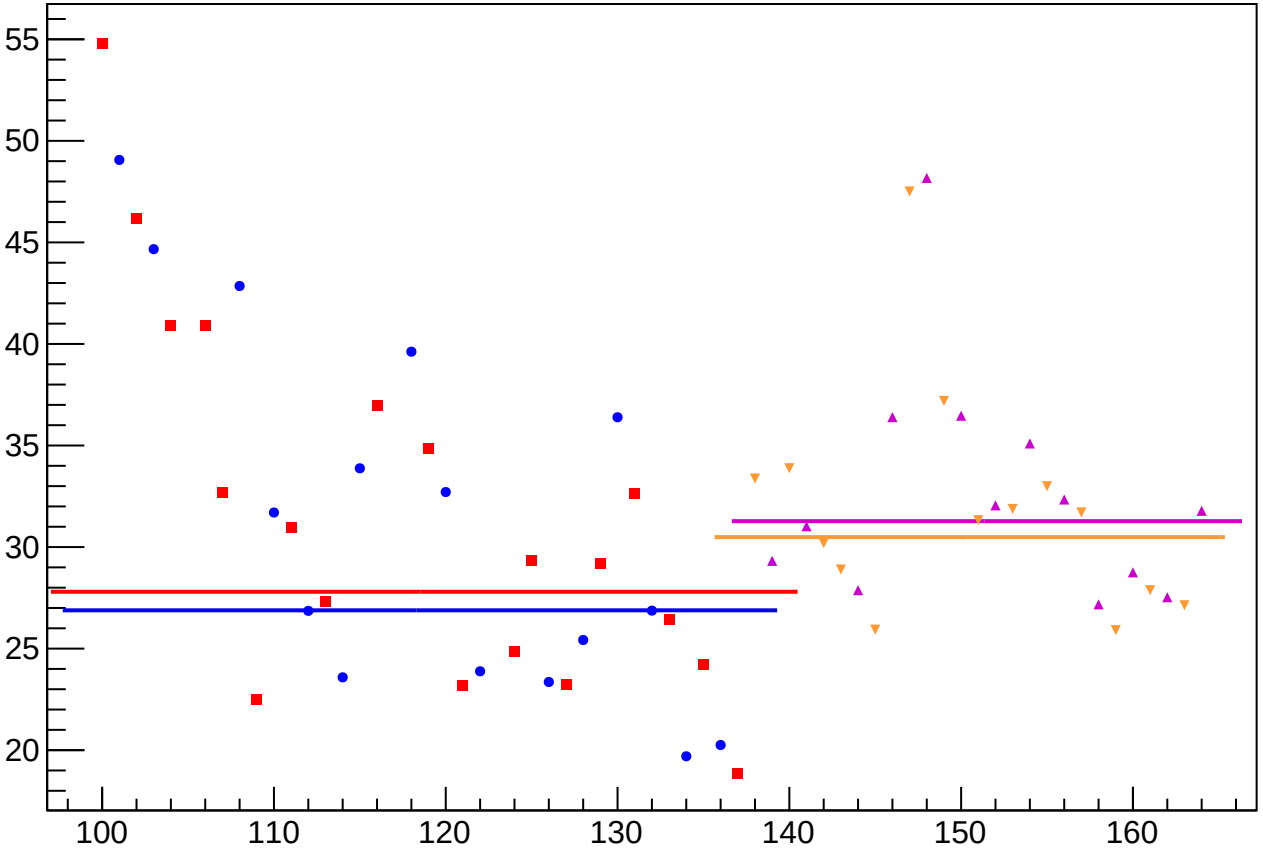
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.015+/-0.007 χ^2/NDF:24.1/28

Out: 0.001+/-0.007 χ^2/NDF:29.9/32

All: -0.007+/-0.005 χ^2/NDF: 56.4/61

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.488+/-0.007 χ^2/NDF:456411.0/13

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.275+/-0.007 χ^2/NDF:414711.2/12

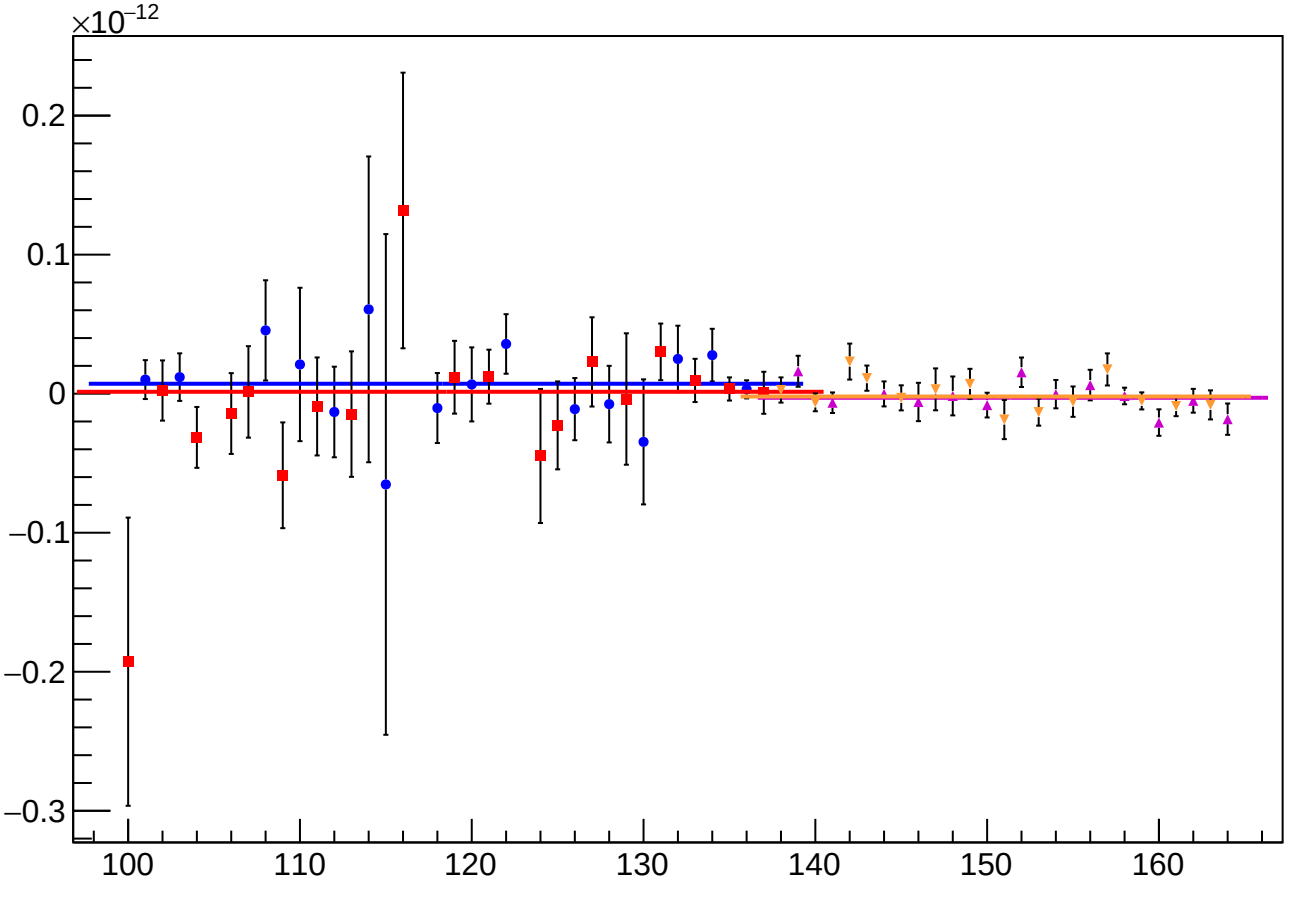
Left: 30.867+/-0.005 χ^2/NDF: 878098.6/26

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.278+/-0.005 χ^2/NDF:1725579.8/28

Out: 29.320+/-0.005 χ^2/NDF:1293155.5/32

All: 29.300+/-0.004 χ^2/NDF: 3018770.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:12.9/12

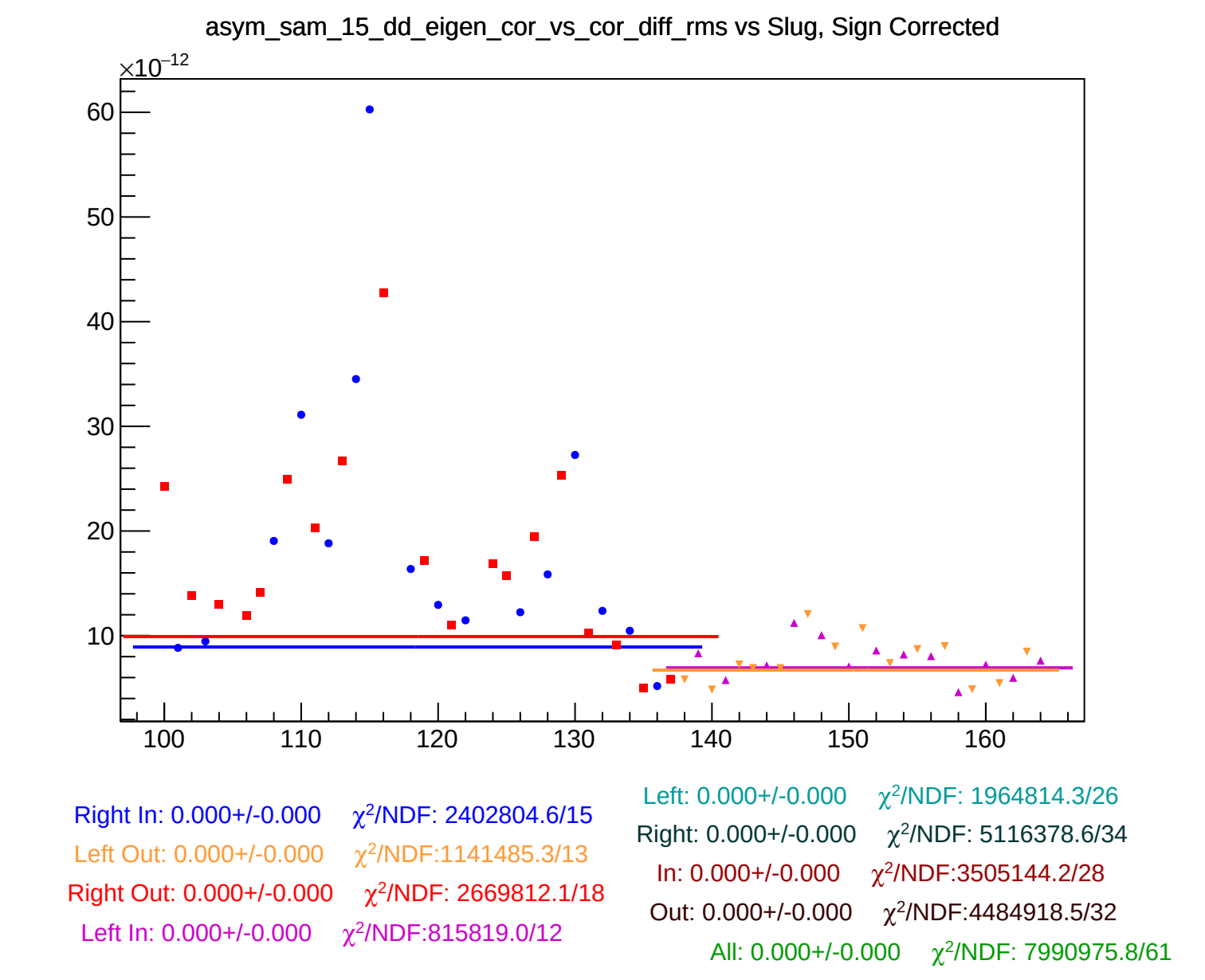
Left: -0.000+/-0.000 χ^2/NDF: 27.5/26

Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: -0.000+/-0.000 χ^2/NDF:24.9/28

Out: -0.000+/-0.000 χ^2/NDF:30.2/32

All: -0.000+/-0.000 χ^2/NDF: 55.1/61


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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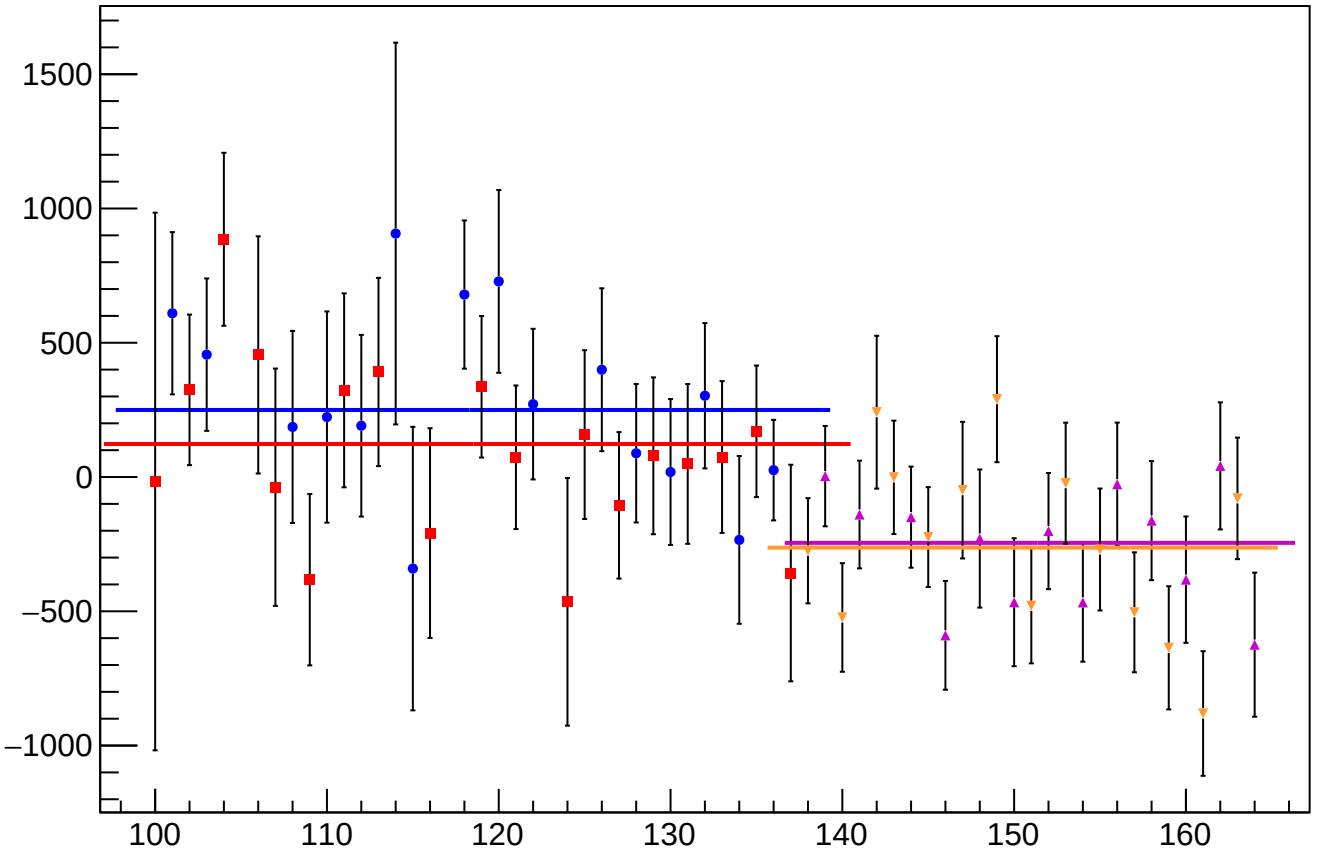
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1141485.3/13
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:815819.0/12
Left: 0.000+/-0.000 χ²/NDF: 1964814.3/26
Right: 0.000+/-0.000 χ²/NDF: 5116378.6/34
In: 0.000+/-0.000 χ²/NDF:3505144.2/28
Out: 0.000+/-0.000 χ²/NDF:4484918.5/32
All: 0.000+/-0.000 χ²/NDF: 7990975.8/61



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.906+/-59.137 χ^2/NDF:26.4/13

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -245.164+/-60.878 χ^2/NDF:12.0/12

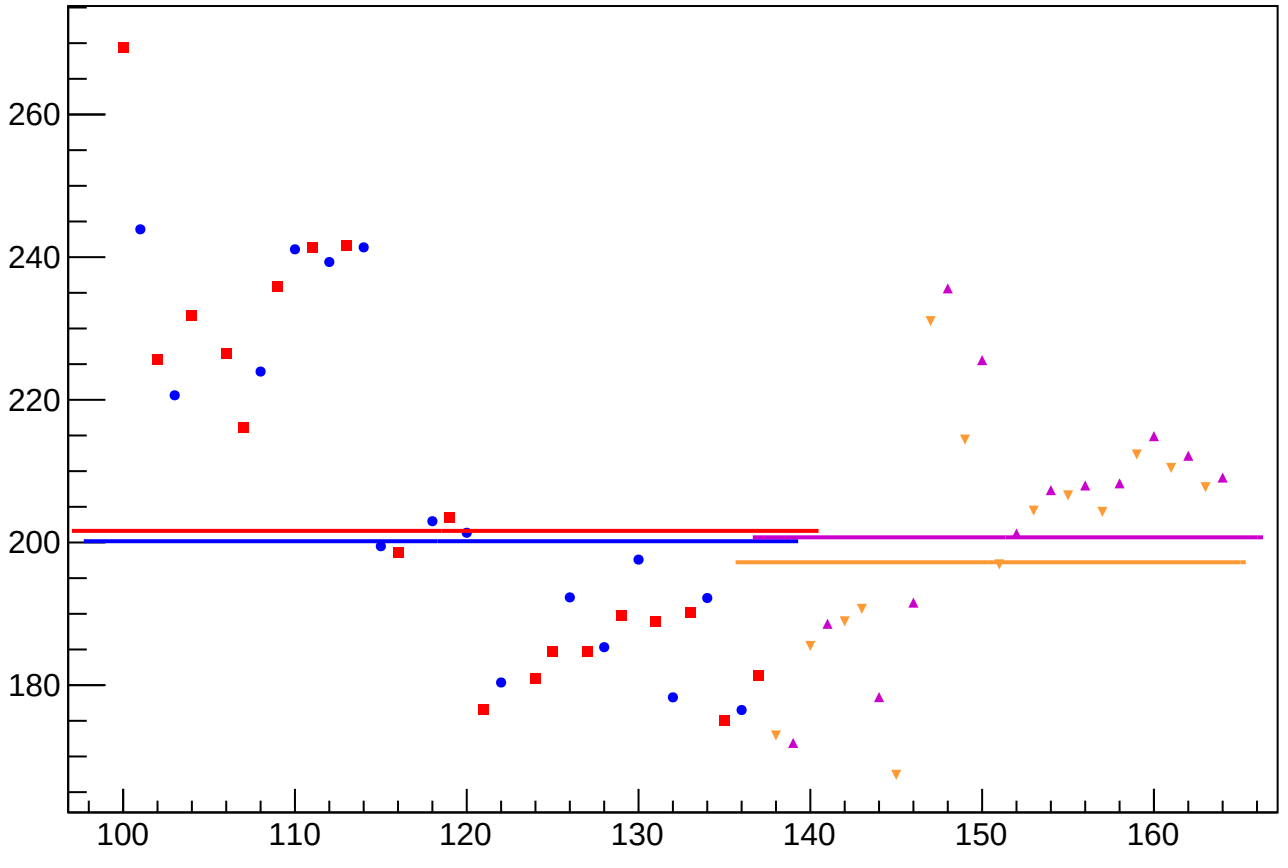
Left: -254.292+/-42.419 χ^2/NDF: 38.3/26

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -48.199+/-47.236 χ^2/NDF:52.0/28

Out: -113.419+/-46.287 χ^2/NDF:58.4/32

All: -81.471+/-33.060 χ^2/NDF: 111.4/61



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.229+/-0.042 χ^2/NDF:165592.0/13

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.723+/-0.043 χ^2/NDF:165877.4/12

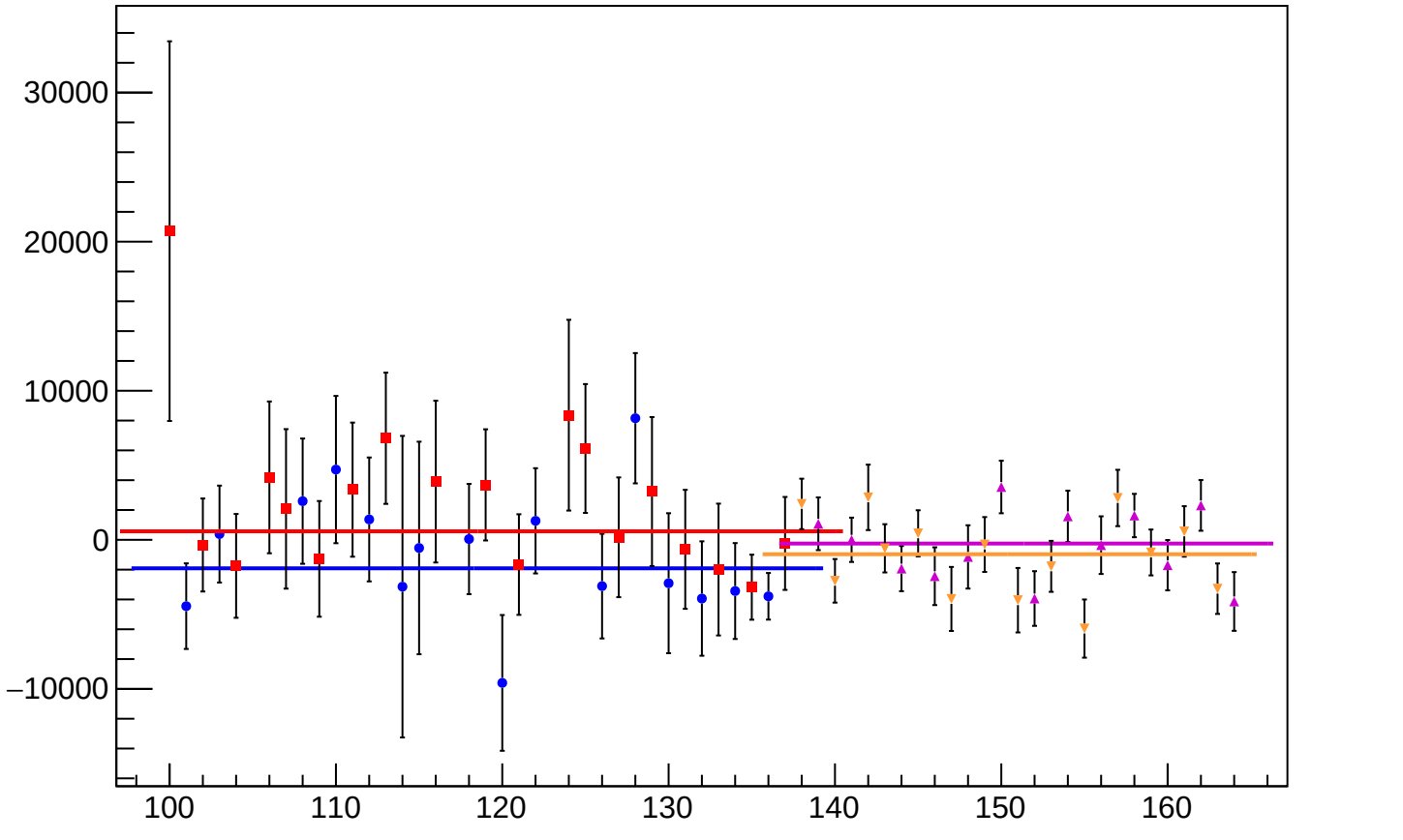
Left: 198.925+/-0.030 χ^2/NDF: 334860.4/26

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.506+/-0.033 χ^2/NDF:346942.9/28

Out: 198.932+/-0.033 χ^2/NDF:367123.4/32

All: 199.703+/-0.023 χ^2/NDF: 715198.4/61



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -967.196+/-468.508 χ^2/NDF:26.9/13

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -250.320+/-479.602 χ^2/NDF:21.6/12

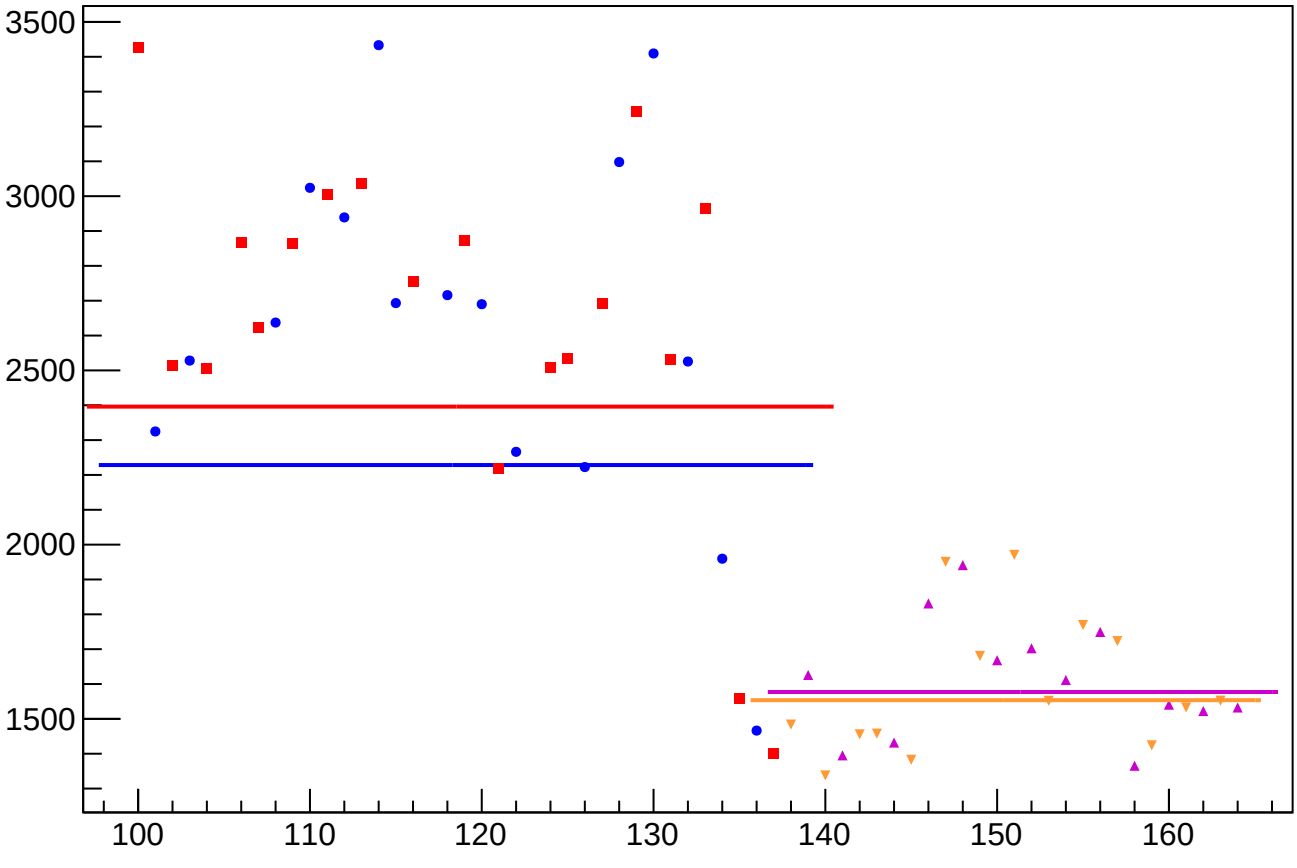
Left: -617.145+/-335.139 χ^2/NDF: 49.7/26

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -644.759+/-418.764 χ^2/NDF:40.8/28

Out: -639.507+/-415.617 χ^2/NDF:43.8/32

All: -642.113+/-294.992 χ^2/NDF: 84.6/61



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1553.620+/-0.331 χ^2/NDF:289801.7/13

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1577.125+/-0.339 χ^2/NDF:220735.1/12

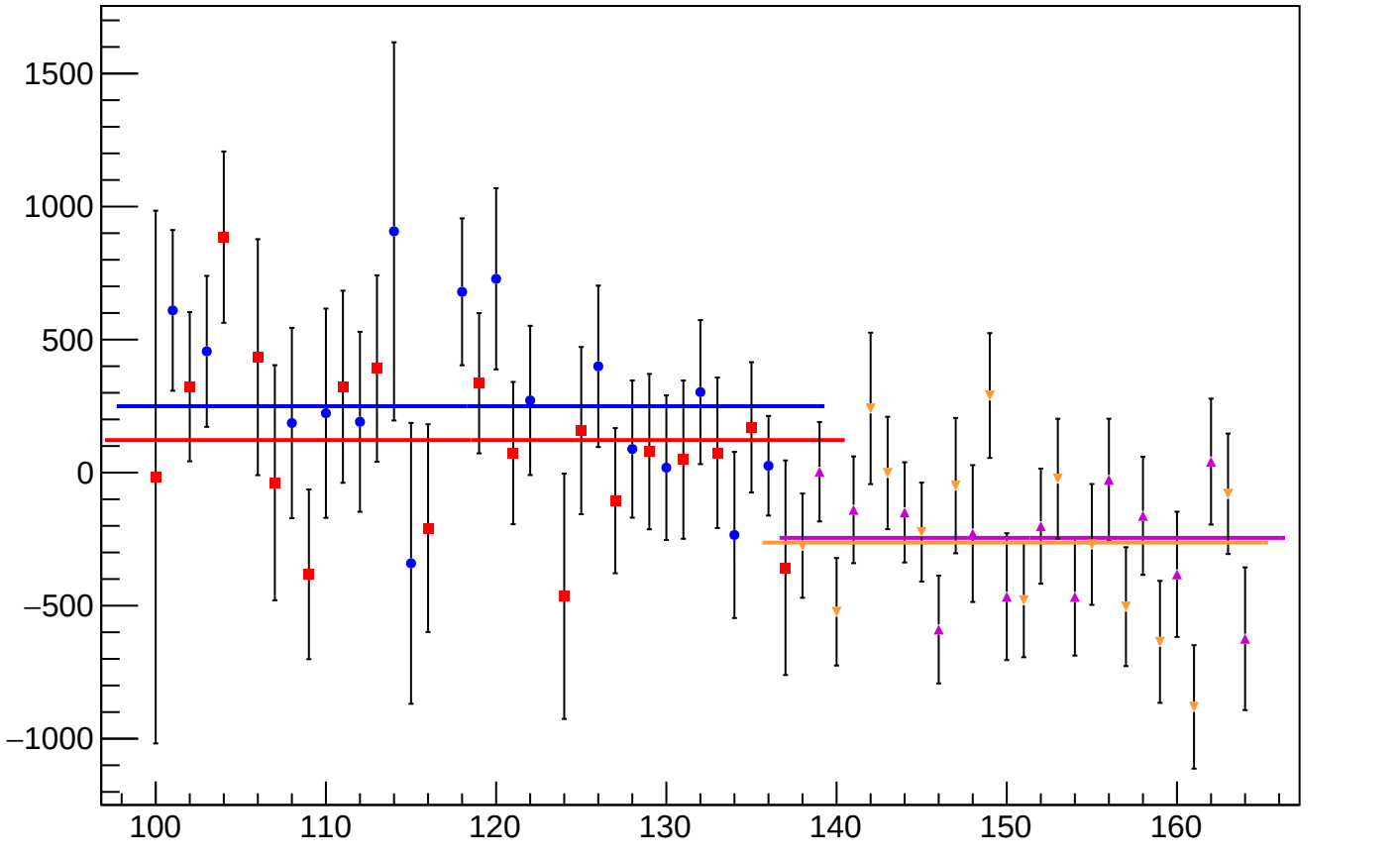
Left: 1565.098+/-0.237 χ^2/NDF: 512995.0/26

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1731.882+/-0.296 χ^2/NDF:2044791.1/28

Out: 1733.099+/-0.294 χ^2/NDF:2466958.3/32

All: 1732.495+/-0.209 χ^2/NDF: 4511758.0/61


cor_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
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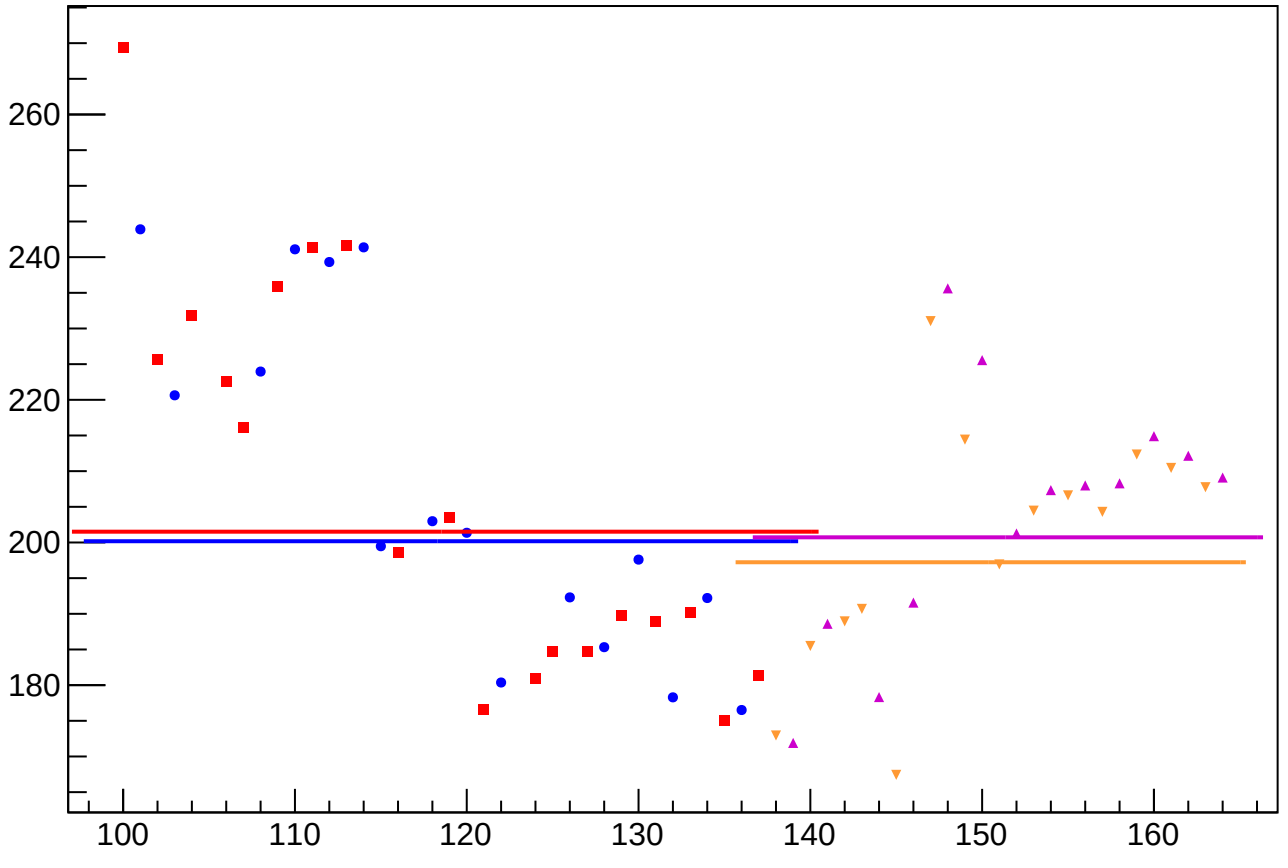
160
Right In: 249.764+/-74.877 χ²/NDF: 13.8/15
Left Out: -262.898+/-59.137 χ²/NDF:26.4/13
Right Out: 122.210+/-74.380 χ²/NDF: 15.5/18
Left In: -245.167+/-60.878 χ²/NDF:12.0/12
Left: -254.290+/-42.419 χ²/NDF: 38.4/26
Right: 185.562+/-52.770 χ²/NDF: 30.7/34
In: -48.200+/-47.236 χ²/NDF:52.0/28
Out: -113.743+/-46.290 χ²/NDF:58.2/32
All: -81.635+/-33.061 χ²/NDF: 111.2/61



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.229+/-0.042 χ^2/NDF:165592.0/13

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.723+/-0.043 χ^2/NDF:165877.4/12

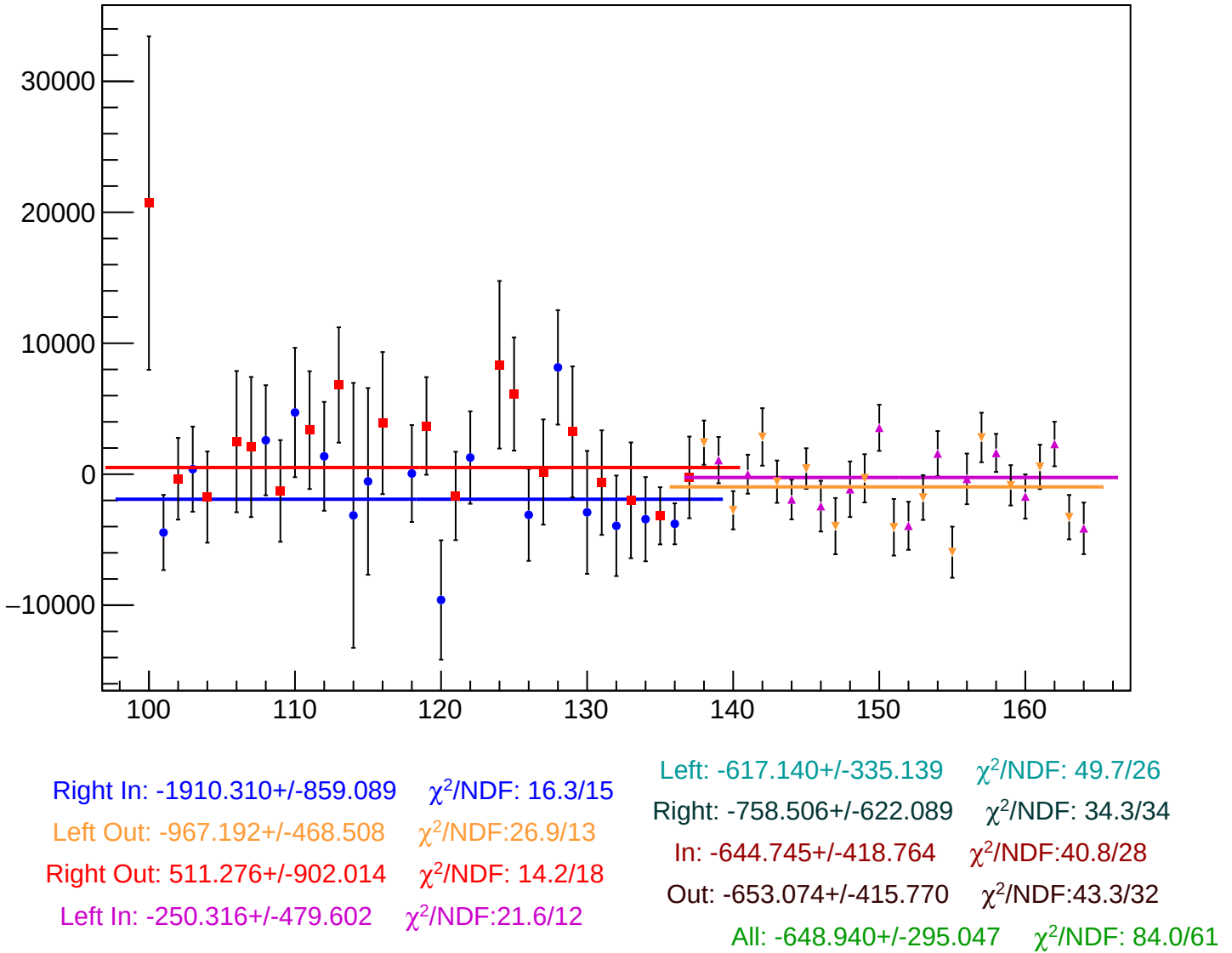
Left: 198.925+/-0.030 χ^2/NDF: 334860.5/26

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.506+/-0.033 χ^2/NDF:346943.2/28

Out: 198.889+/-0.033 χ^2/NDF:365091.3/32

All: 199.681+/-0.023 χ^2/NDF: 713230.7/61


asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected
30000
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−10000
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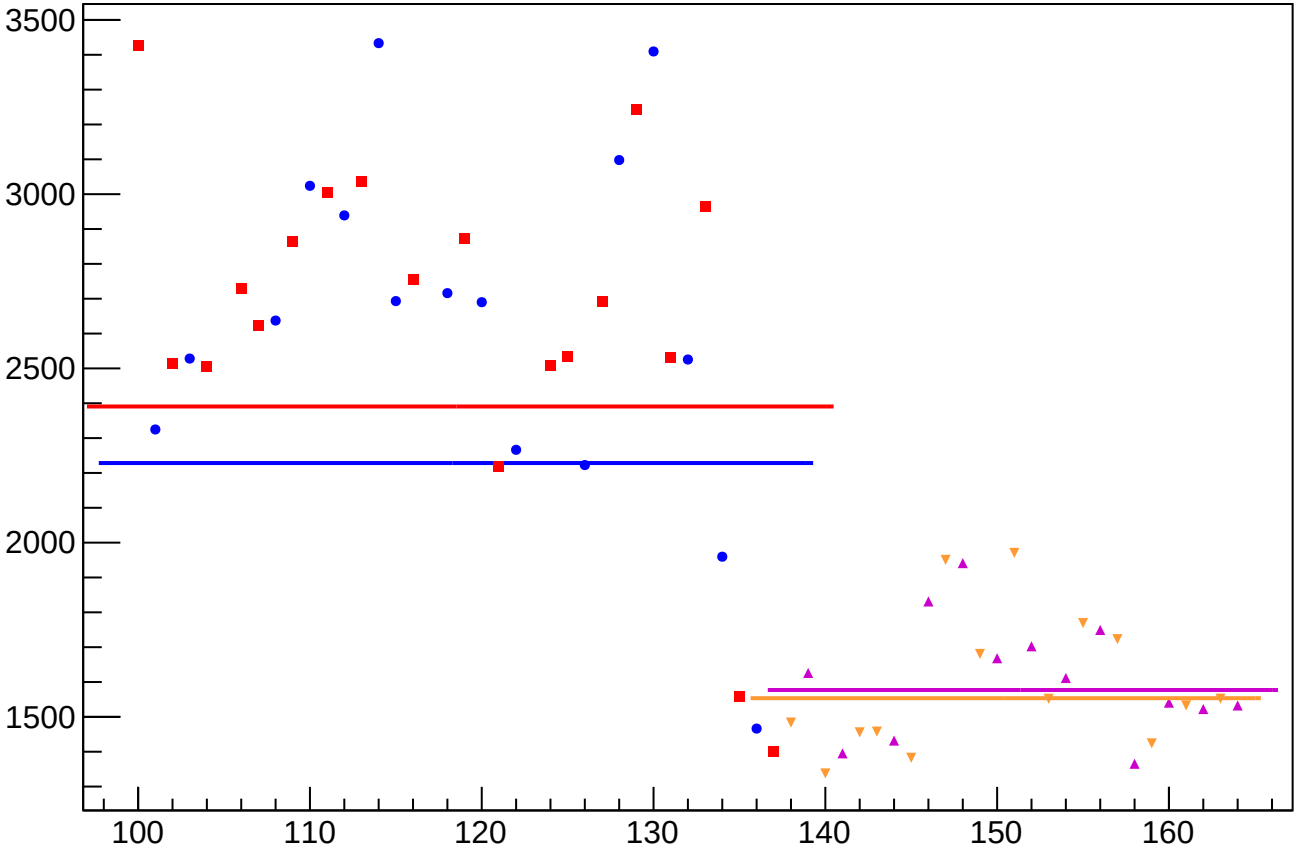
150
160
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -967.192+/-468.508 χ²/NDF:26.9/13
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -250.316+/-479.602 χ²/NDF:21.6/12
Left: -617.140+/-335.139 χ²/NDF: 49.7/26
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -644.745+/-418.764 χ²/NDF:40.8/28
Out: -653.074+/-415.770 χ²/NDF:43.3/32
All: -648.940+/-295.047 χ²/NDF: 84.0/61

asym_sam_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1553.620+/-0.331 χ^2/NDF:289802.1/13

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1577.126+/-0.339 χ^2/NDF:220735.0/12

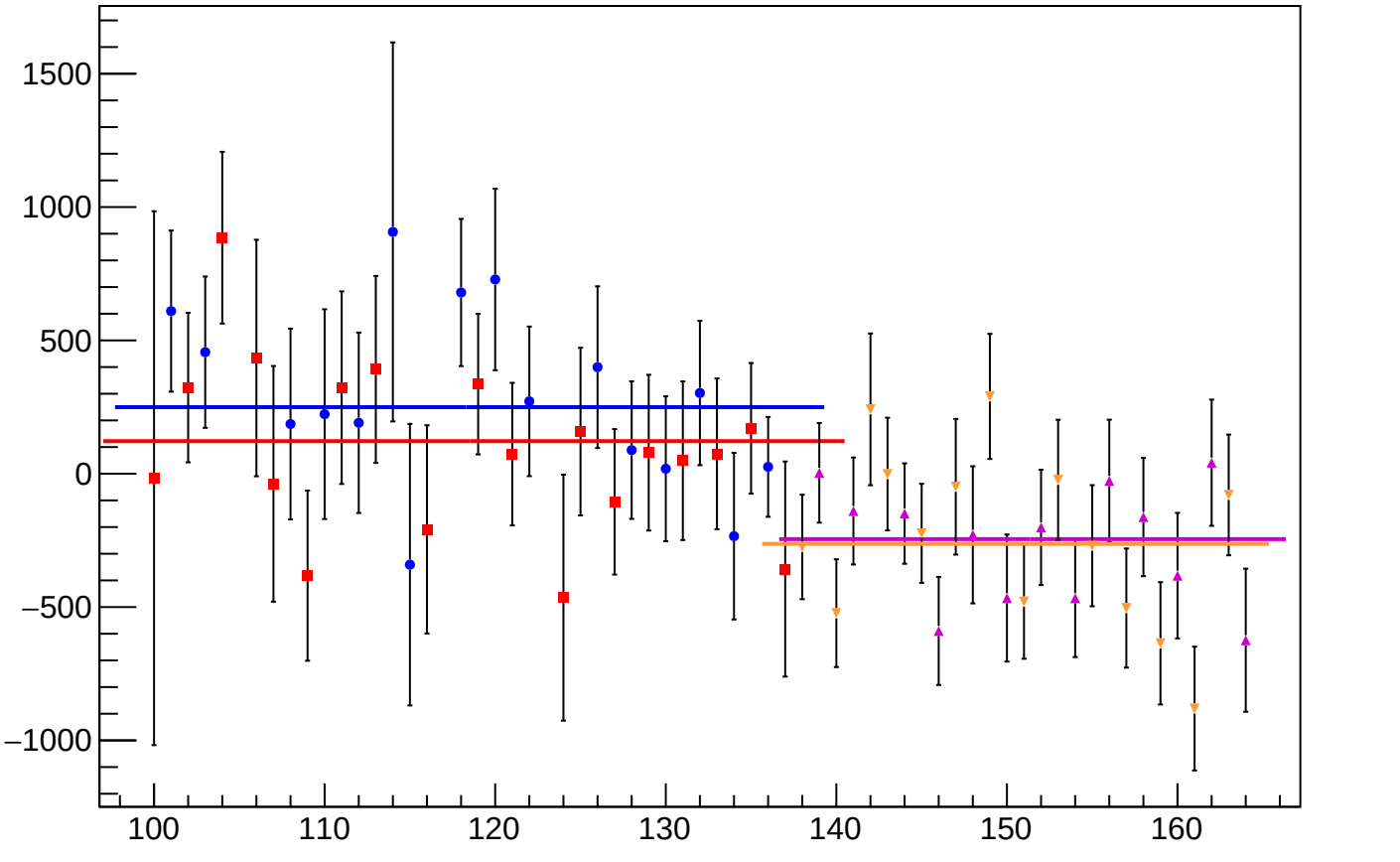
Left: 1565.098+/-0.237 χ^2/NDF: 512995.4/26

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1731.883+/-0.296 χ^2/NDF:2044800.6/28

Out: 1731.474+/-0.294 χ^2/NDF:2436371.8/32

All: 1731.677+/-0.209 χ^2/NDF: 4481173.4/61



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.898+/-59.137 χ^2/NDF:26.4/13

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -245.167+/-60.878 χ^2/NDF:12.0/12

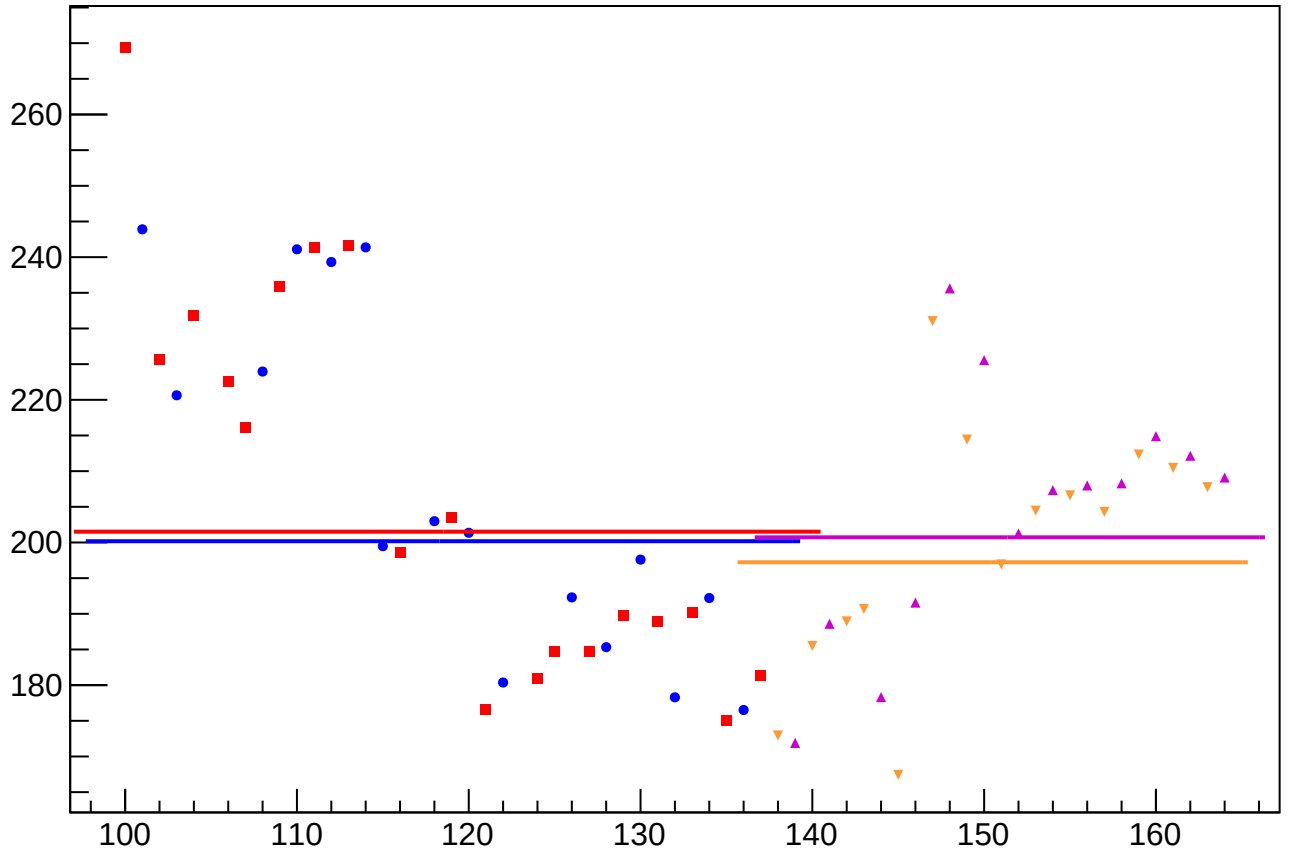
Left: -254.290+/-42.419 χ^2/NDF: 38.4/26

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -48.200+/-47.236 χ^2/NDF:52.0/28

Out: -113.743+/-46.290 χ^2/NDF:58.2/32

All: -81.635+/-33.061 χ^2/NDF: 111.2/61



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.229+/-0.042 χ^2/NDF:165592.0/13

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.723+/-0.043 χ^2/NDF:165877.4/12

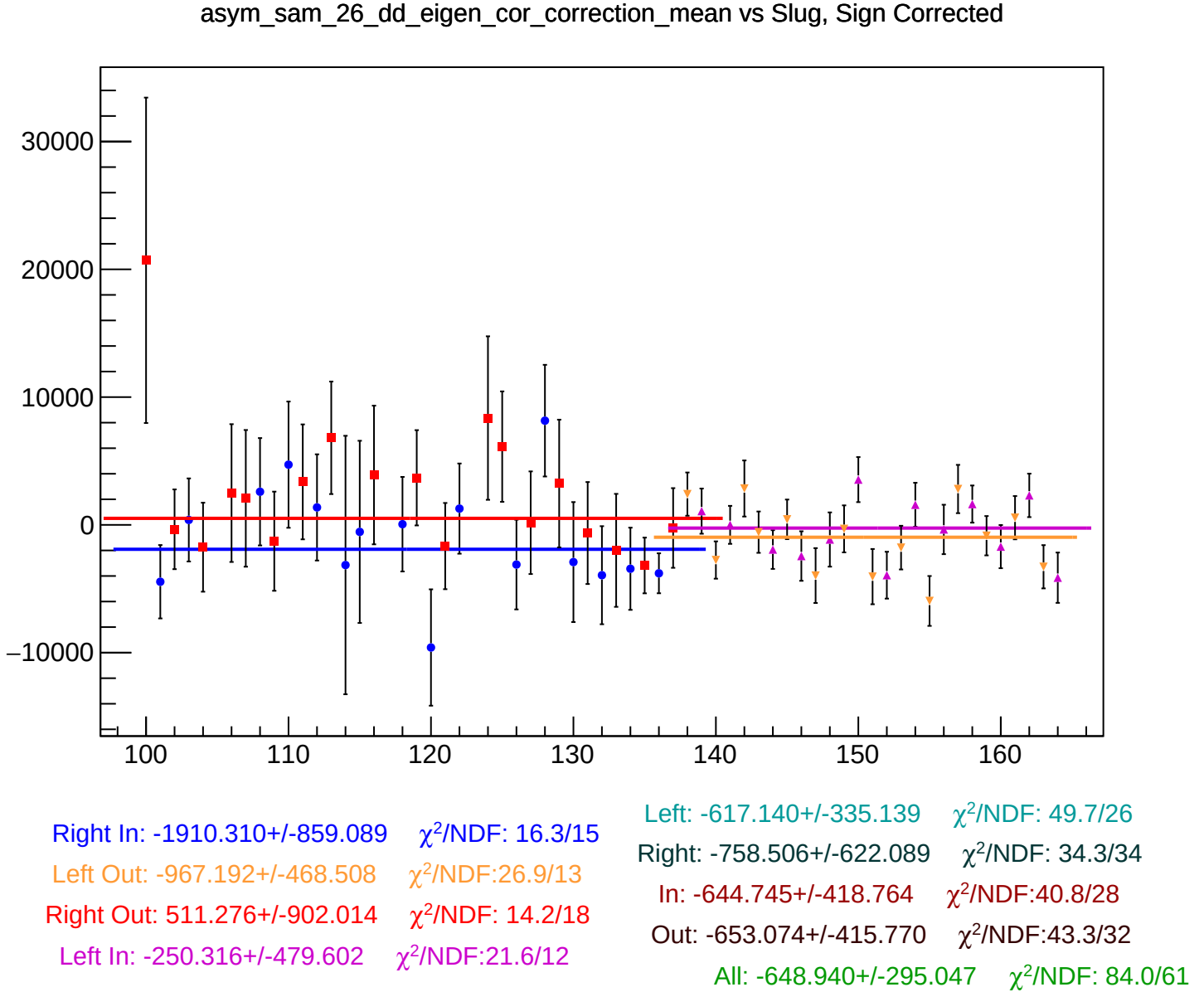
Left: 198.925+/-0.030 χ^2/NDF: 334860.5/26

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.506+/-0.033 χ^2/NDF:346943.2/28

Out: 198.889+/-0.033 χ^2/NDF:365091.3/32

All: 199.681+/-0.023 χ^2/NDF: 713230.7/61


asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
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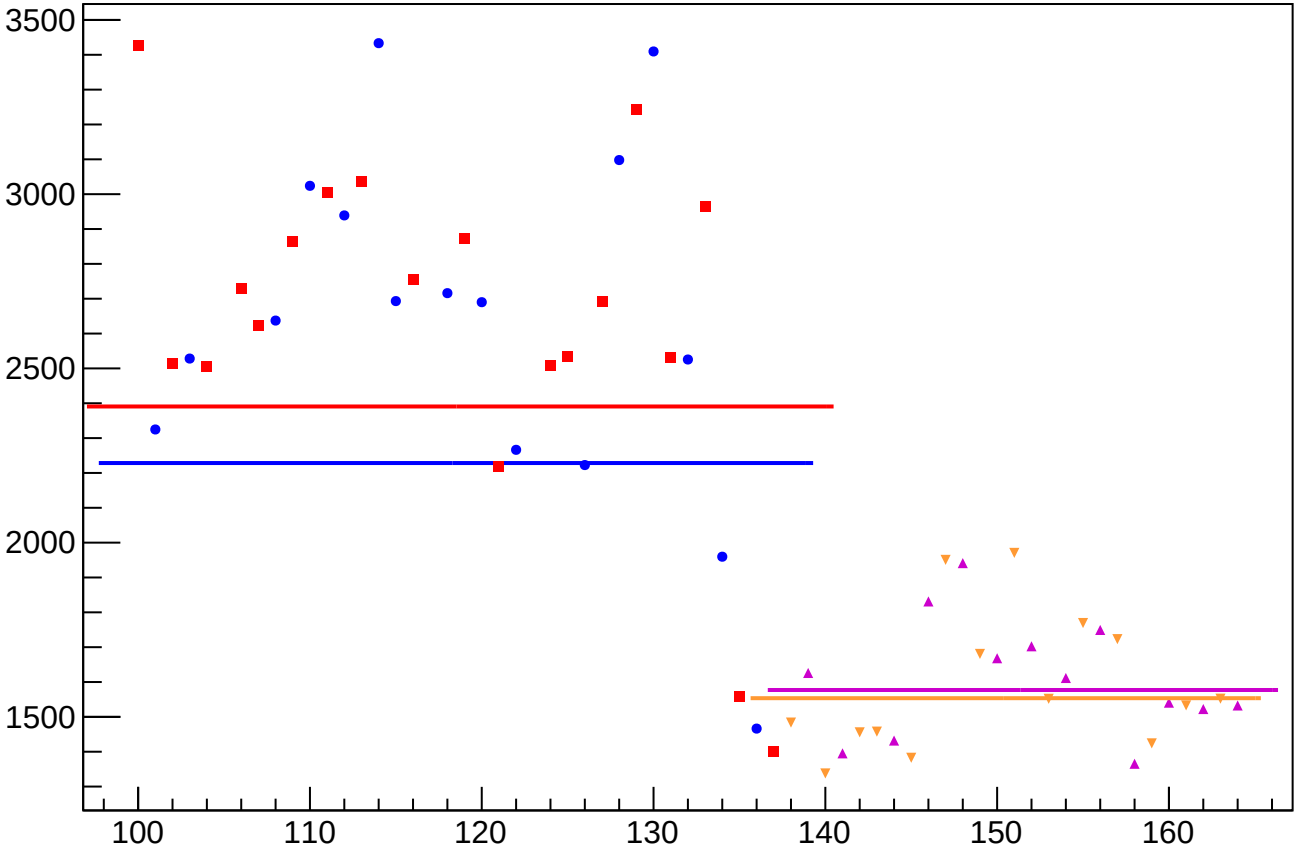
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -967.192+/-468.508 χ²/NDF:26.9/13
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -250.316+/-479.602 χ²/NDF:21.6/12
Left: -617.140+/-335.139 χ²/NDF: 49.7/26
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -644.745+/-418.764 χ²/NDF:40.8/28
Out: -653.074+/-415.770 χ²/NDF:43.3/32
All: -648.940+/-295.047 χ²/NDF: 84.0/61

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1553.620+/-0.331 χ^2/NDF:289802.1/13

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1577.126+/-0.339 χ^2/NDF:220735.0/12

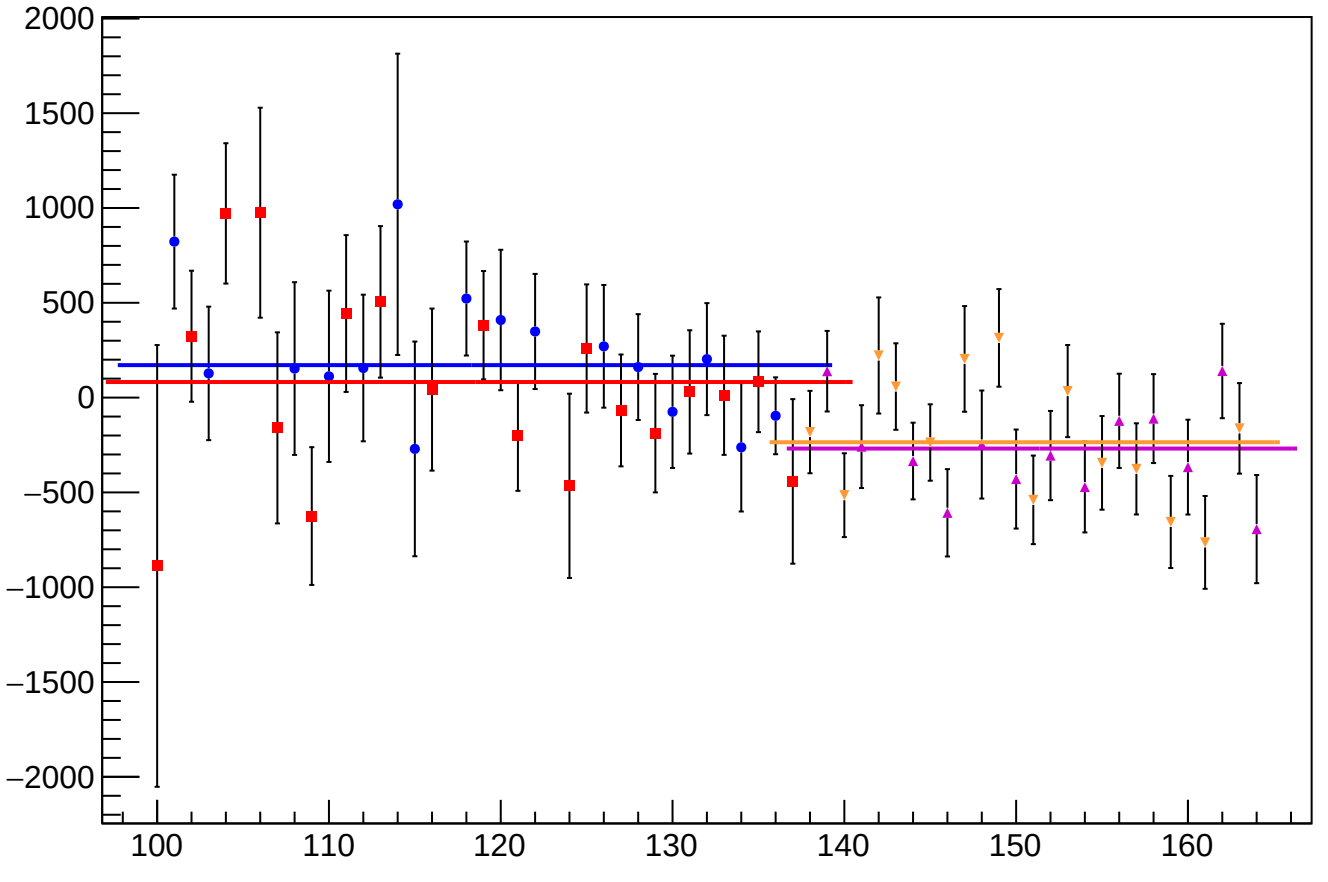
Left: 1565.098+/-0.237 χ^2/NDF: 512995.4/26

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1731.883+/-0.296 χ^2/NDF:2044800.6/28

Out: 1731.474+/-0.294 χ^2/NDF:2436371.8/32

All: 1731.677+/-0.209 χ^2/NDF: 4481173.4/61



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -235.396+/-63.980 χ^2/NDF:23.8/13

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -268.722+/-66.272 χ^2/NDF:13.0/12

Left: -251.473+/-46.030 χ^2/NDF: 36.9/26

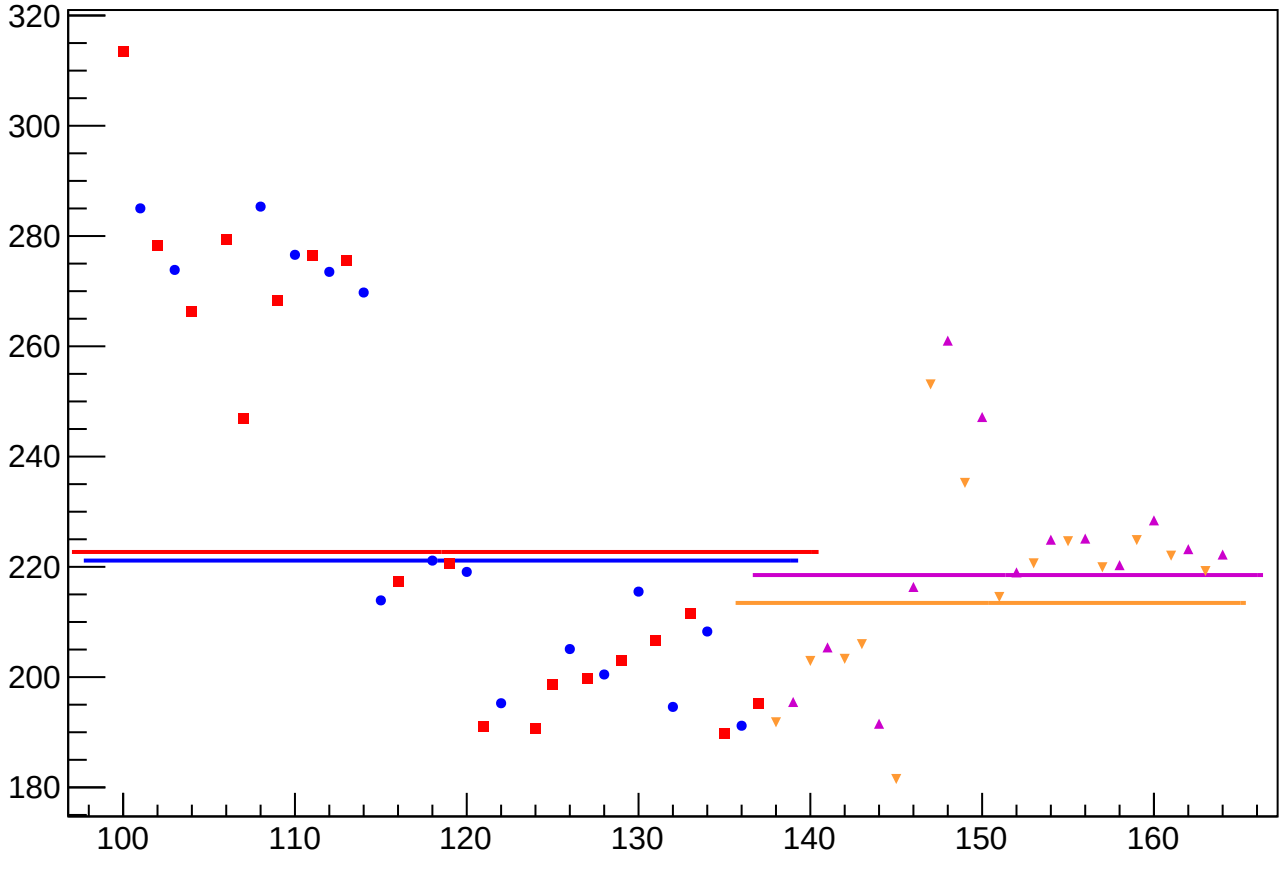
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -97.718+/-51.817 χ^2/NDF:41.6/28

Out: -116.221+/-50.569 χ^2/NDF:54.7/32

All: -107.195+/-36.191 χ^2/NDF: 96.3/61

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.456+/-0.045 χ^2/NDF:149117.6/13

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 218.512+/-0.047 χ^2/NDF:142265.8/12

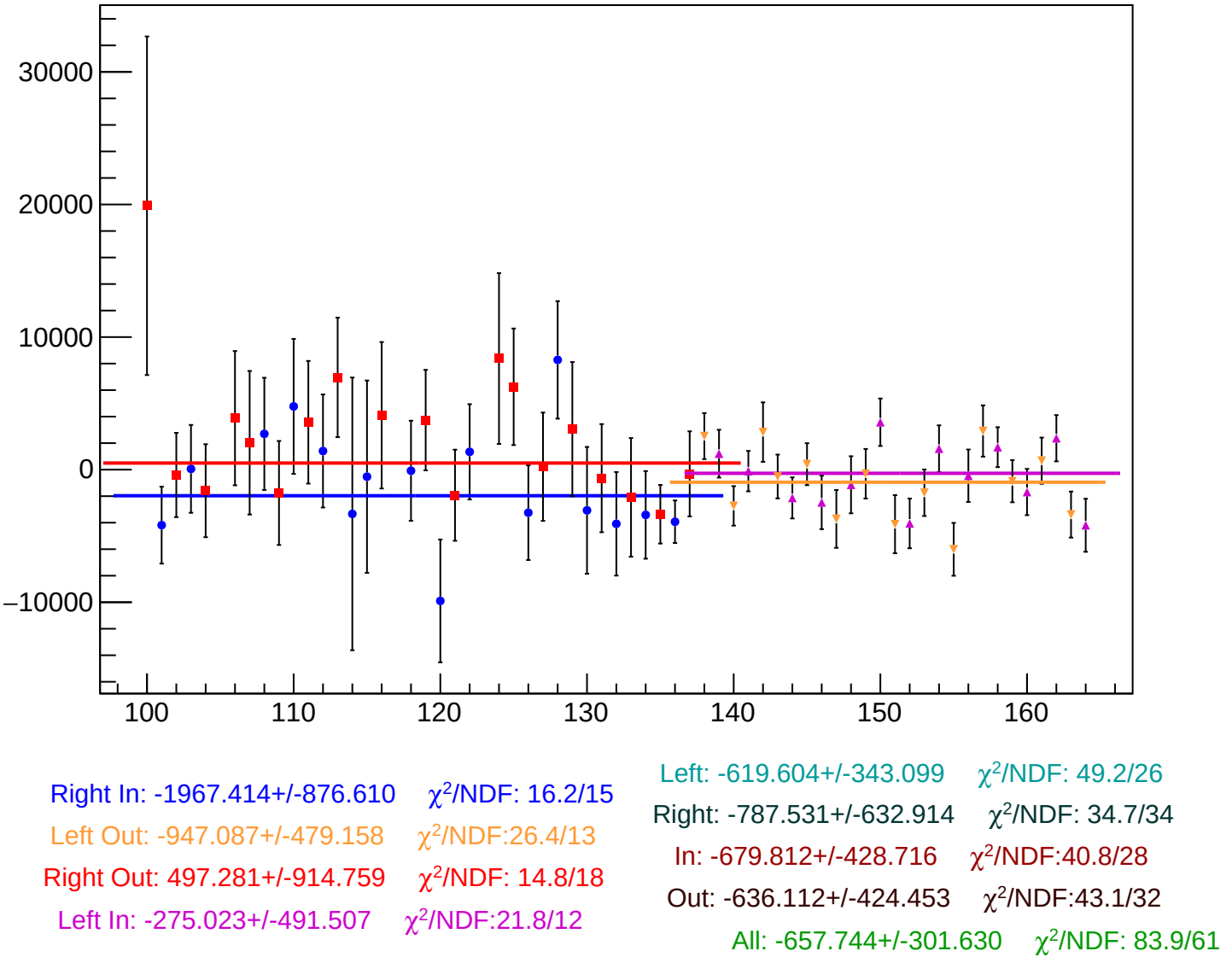
Left: 215.895+/-0.033 χ^2/NDF: 297406.8/26

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 219.533+/-0.037 χ^2/NDF:462189.8/28

Out: 216.924+/-0.036 χ^2/NDF:491809.0/32

All: 218.197+/-0.026 χ^2/NDF: 956594.4/61


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
30000
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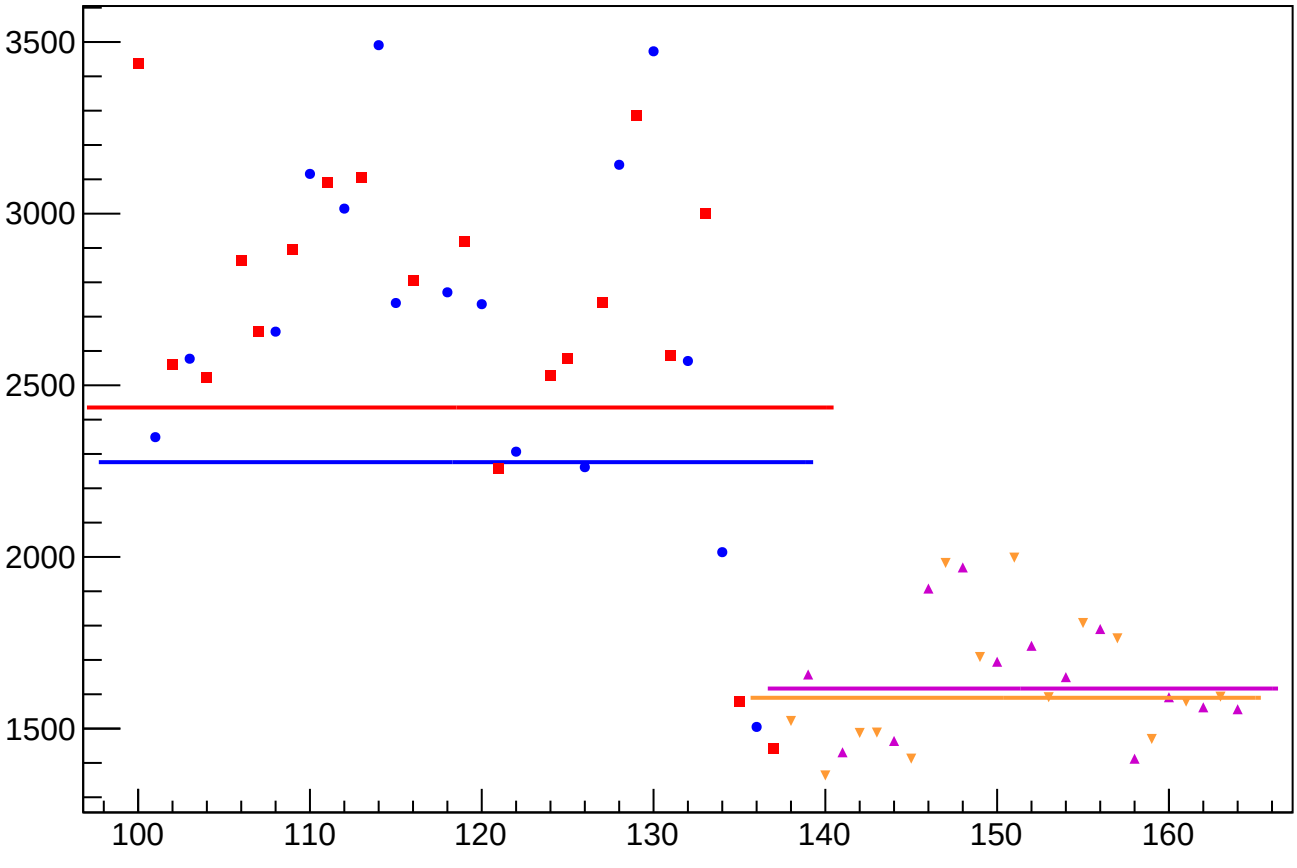
160
Right In: -1967.414+/-876.610 χ²/NDF: 16.2/15
Left Out: -947.087+/-479.158 χ²/NDF:26.4/13
Right Out: 497.281+/-914.759 χ²/NDF: 14.8/18
Left In: -275.023+/-491.507 χ²/NDF:21.8/12
Left: -619.604+/-343.099 χ²/NDF: 49.2/26
Right: -787.531+/-632.914 χ²/NDF: 34.7/34
In: -679.812+/-428.716 χ²/NDF:40.8/28
Out: -636.112+/-424.453 χ²/NDF:43.1/32
All: -657.744+/-301.630 χ²/NDF: 83.9/61



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1589.746+/-0.339 χ^2/NDF:279742.3/13

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1616.664+/-0.348 χ^2/NDF:215226.4/12

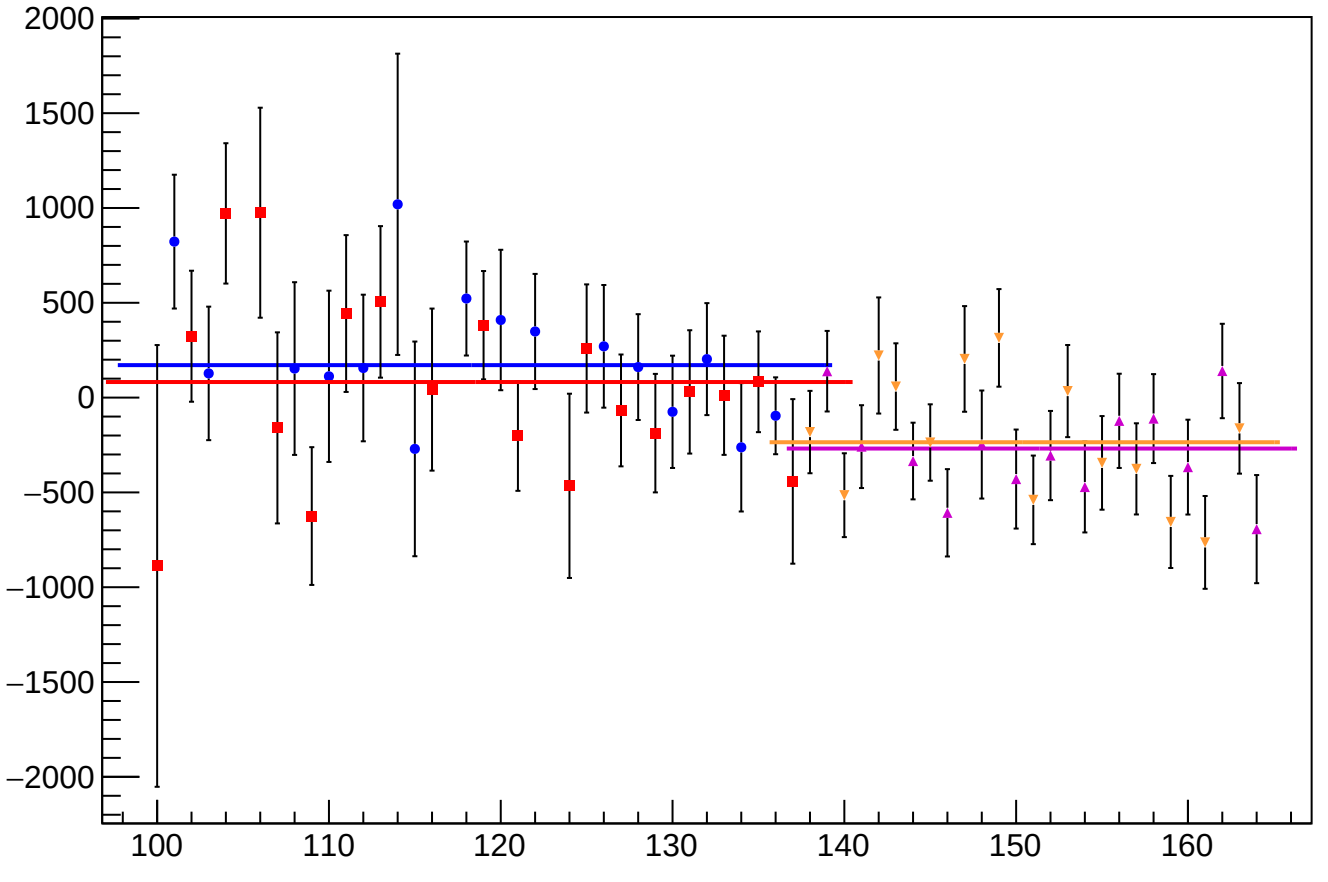
Left: 1602.863+/-0.243 χ^2/NDF: 498044.3/26

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1774.397+/-0.303 χ^2/NDF:2003378.4/28

Out: 1771.807+/-0.300 χ^2/NDF:2412346.7/32

All: 1773.089+/-0.213 χ^2/NDF: 4415762.0/61



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -235.396+/-63.980 χ^2/NDF:23.8/13

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -268.725+/-66.272 χ^2/NDF:13.0/12

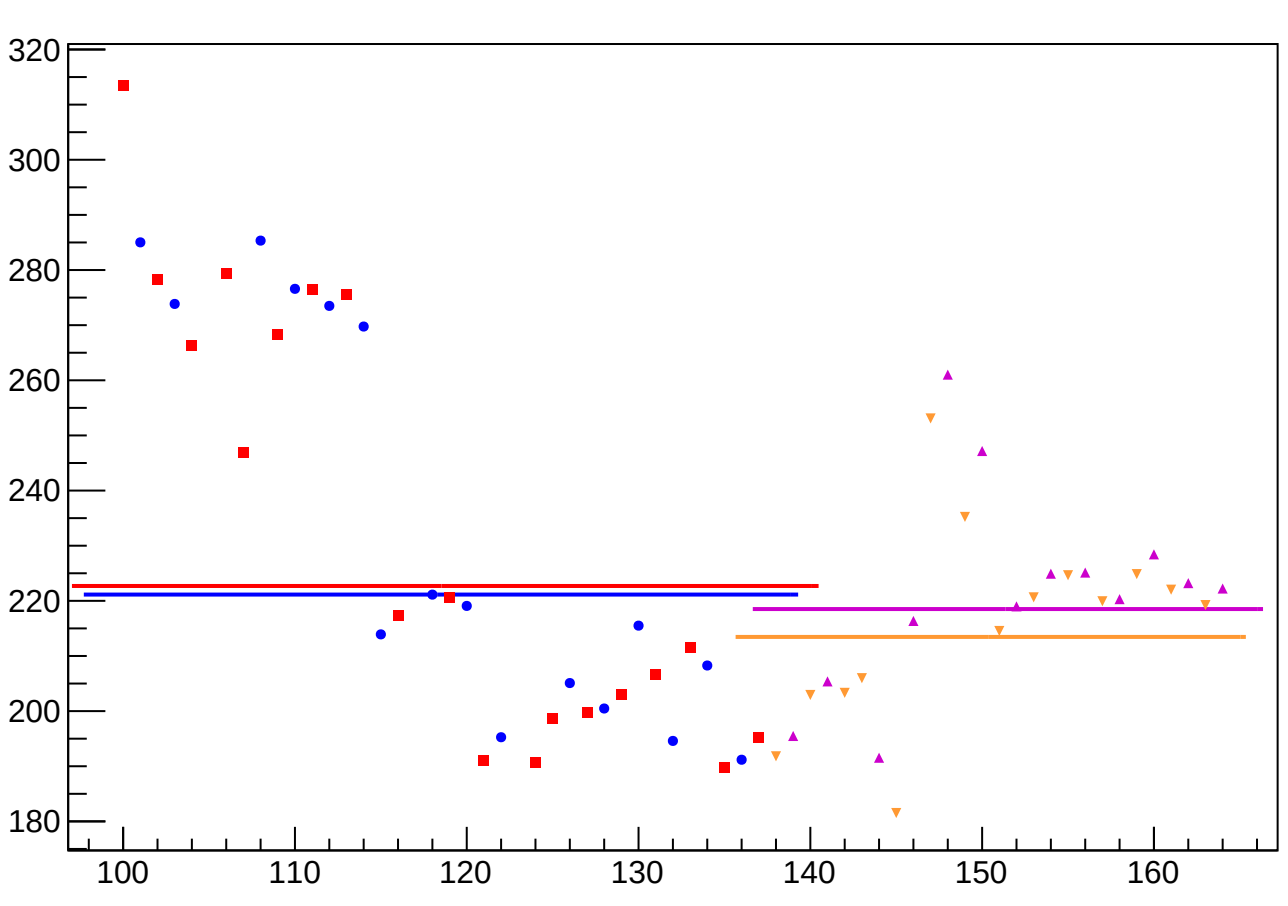
Left: -251.474+/-46.030 χ^2/NDF: 36.9/26

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -97.718+/-51.817 χ^2/NDF:41.6/28

Out: -116.221+/-50.568 χ^2/NDF:54.7/32

All: -107.195+/-36.191 χ^2/NDF: 96.3/61



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.456+/-0.045 χ^2/NDF:149121.4/13

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 218.511+/-0.047 χ^2/NDF:142267.7/12

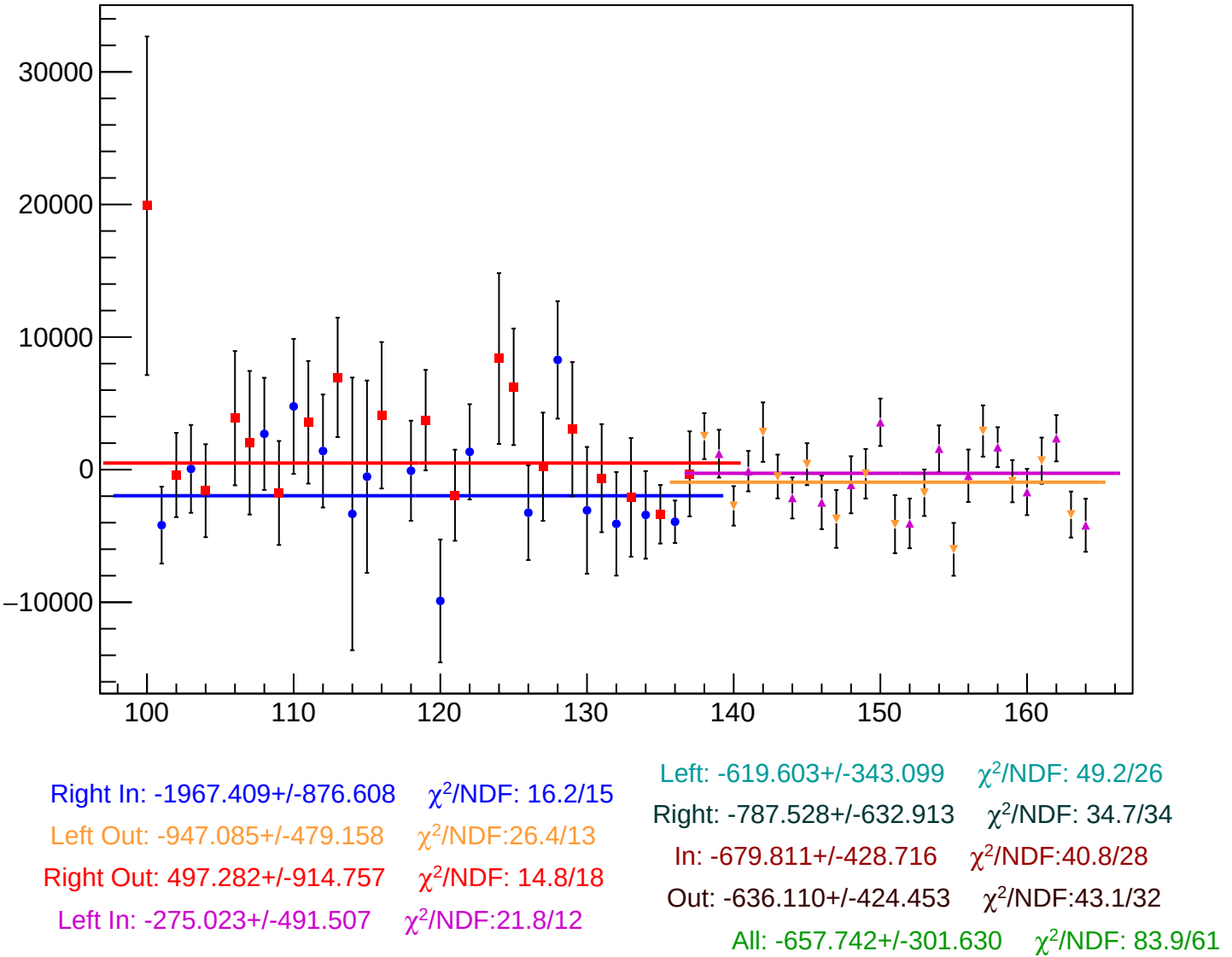
Left: 215.895+/-0.033 χ^2/NDF: 297412.3/26

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 219.532+/-0.037 χ^2/NDF:462185.6/28

Out: 216.924+/-0.036 χ^2/NDF:491803.1/32

All: 218.196+/-0.026 χ^2/NDF: 956584.0/61


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
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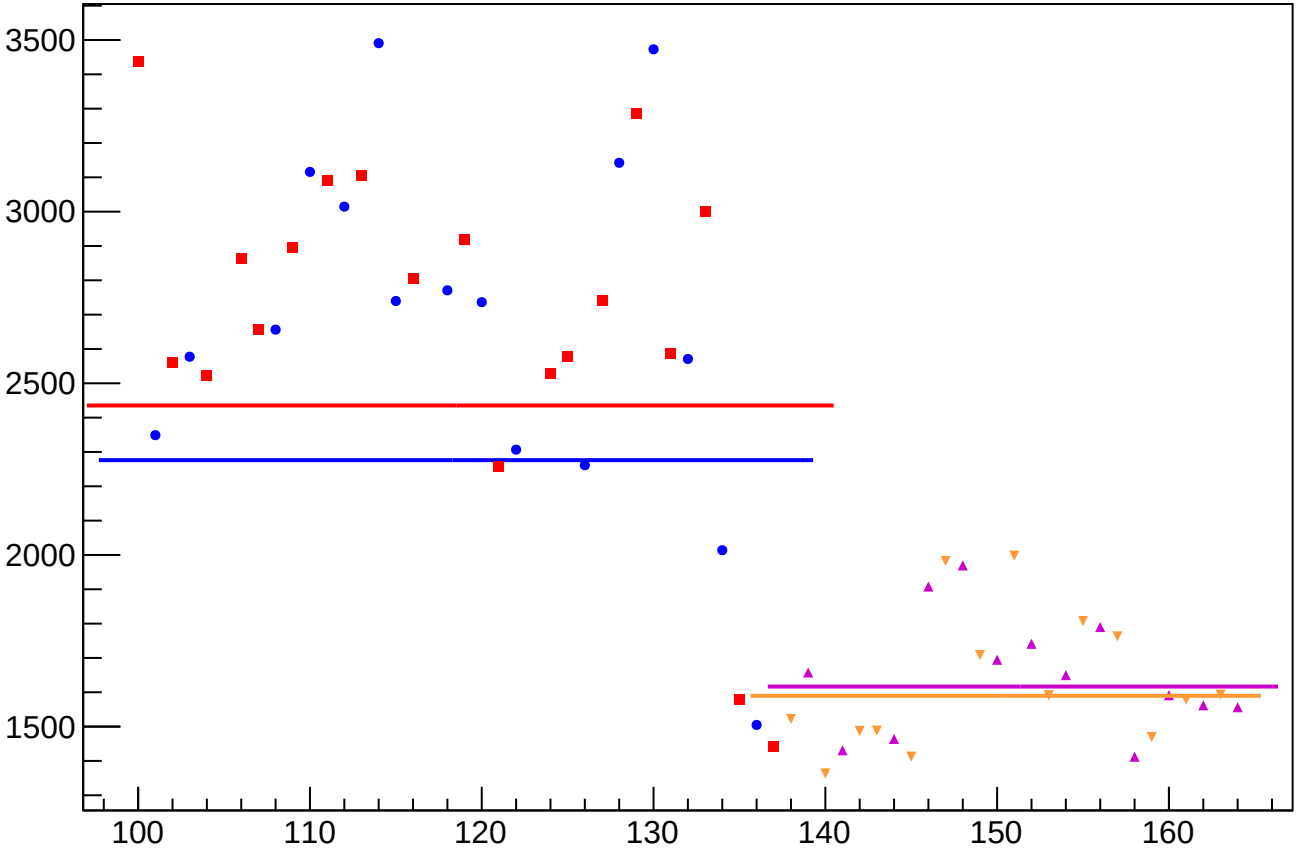
Right In: -1967.409+/-876.608 χ²/NDF: 16.2/15
Left Out: -947.085+/-479.158 χ²/NDF:26.4/13
Right Out: 497.282+/-914.757 χ²/NDF: 14.8/18
Left In: -275.023+/-491.507 χ²/NDF:21.8/12
Left: -619.603+/-343.099 χ²/NDF: 49.2/26
Right: -787.528+/-632.913 χ²/NDF: 34.7/34
In: -679.811+/-428.716 χ²/NDF:40.8/28
Out: -636.110+/-424.453 χ²/NDF:43.1/32
All: -657.742+/-301.630 χ²/NDF: 83.9/61

asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1589.746+/-0.339 χ^2/NDF:279745.7/13

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1616.664+/-0.348 χ^2/NDF:215227.6/12

Left: 1602.863+/-0.243 χ^2/NDF: 498049.1/26

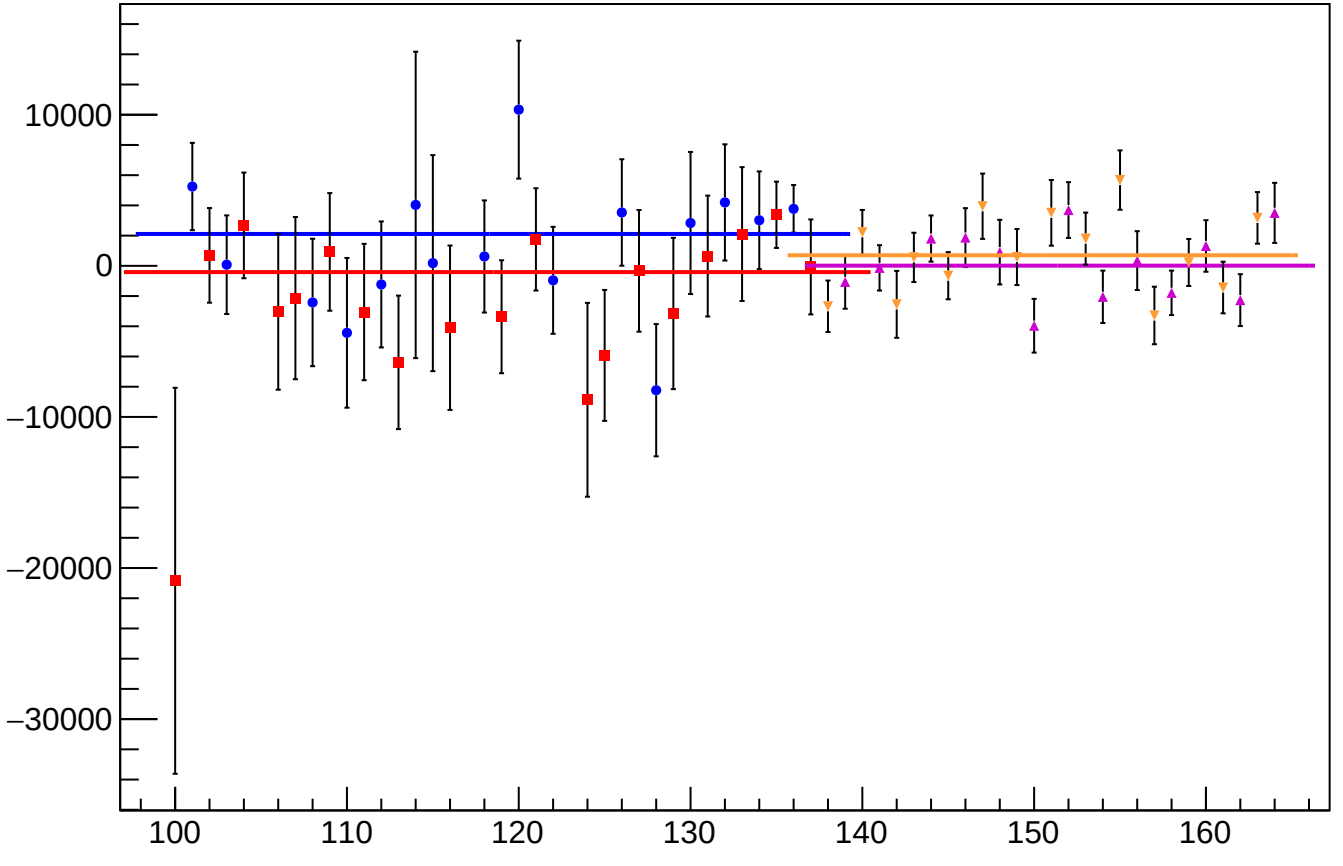
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1774.397+/-0.303 χ^2/NDF:2003365.3/28

Out: 1771.807+/-0.300 χ^2/NDF:2412337.4/32

All: 1773.089+/-0.213 χ^2/NDF: 4415739.6/61

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 699.639+/-472.442 χ^2/NDF:26.8/13

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: 12.505+/-483.689 χ^2/NDF:20.2/12

Left: 364.154+/-337.973 χ^2/NDF: 48.0/26

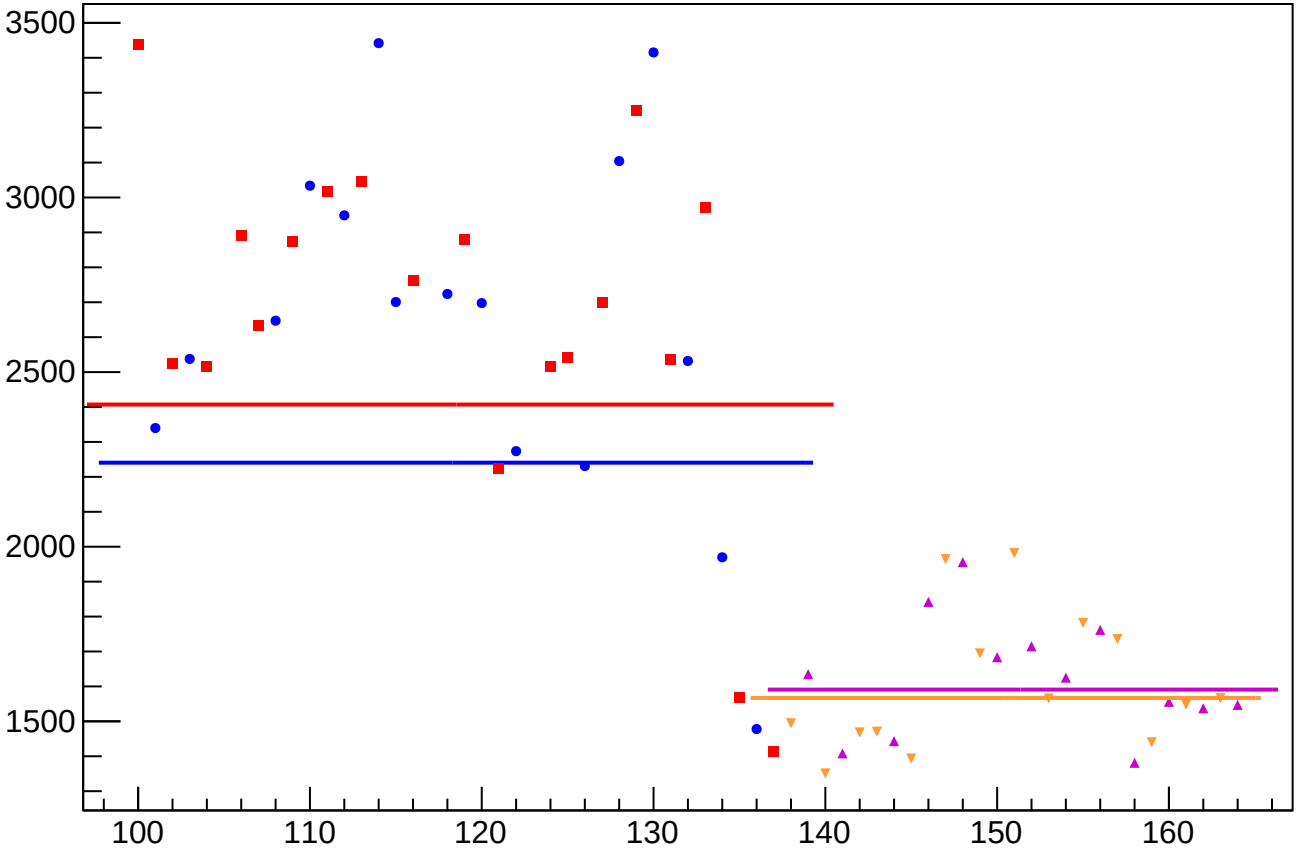
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 513.525+/-421.970 χ^2/NDF:41.3/28

Out: 460.881+/-418.751 χ^2/NDF:42.6/32

All: 487.001+/-297.233 χ^2/NDF: 84.0/61

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1566.958+/-0.334 χ^2/NDF:285263.6/13

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1590.832+/-0.342 χ^2/NDF:215879.4/12

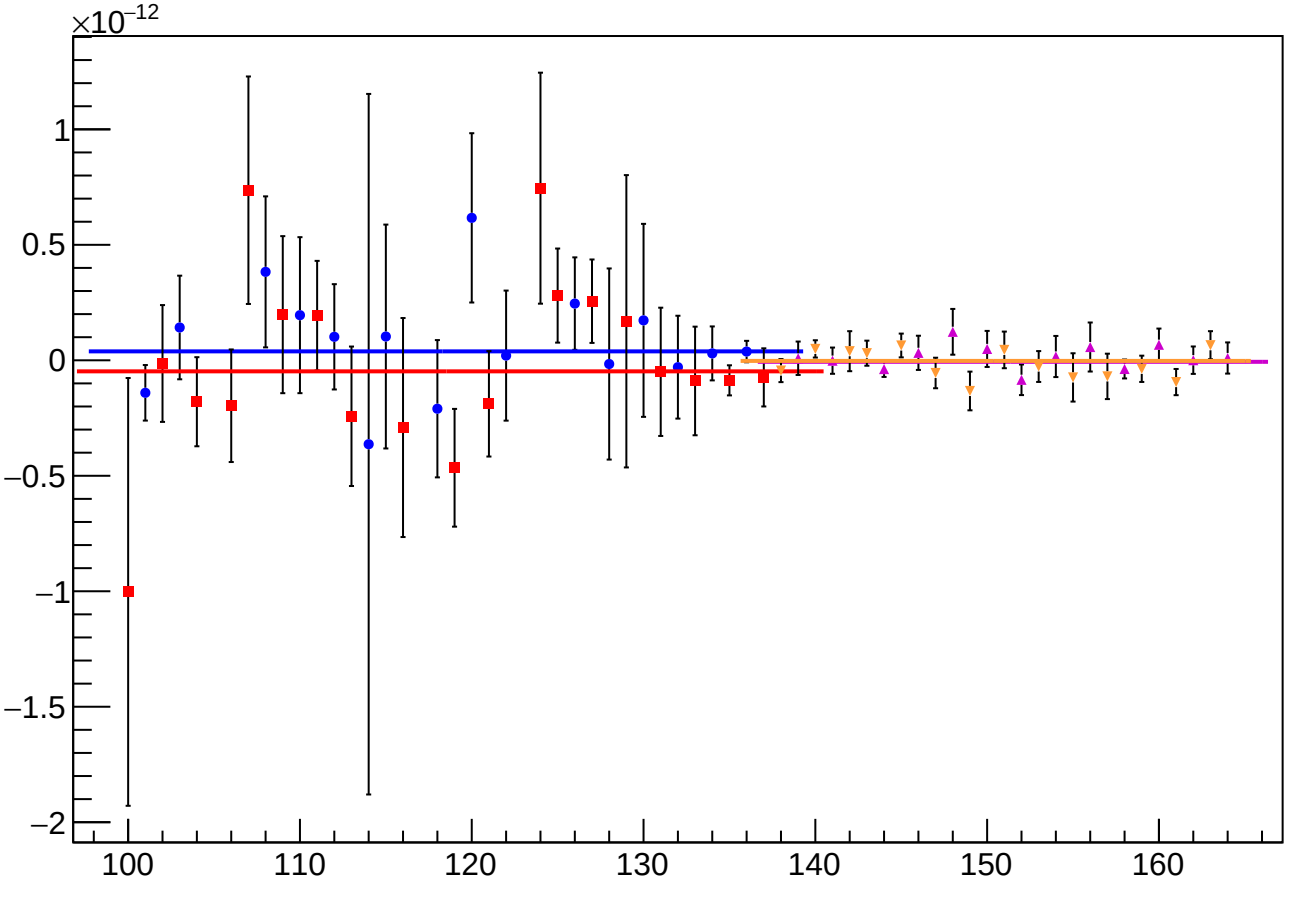
Left: 1578.615+/-0.239 χ^2/NDF: 503636.6/26

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1746.080+/-0.298 χ^2/NDF:2011848.4/28

Out: 1747.070+/-0.296 χ^2/NDF:2430178.8/32

All: 1746.579+/-0.210 χ^2/NDF: 4442032.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/12

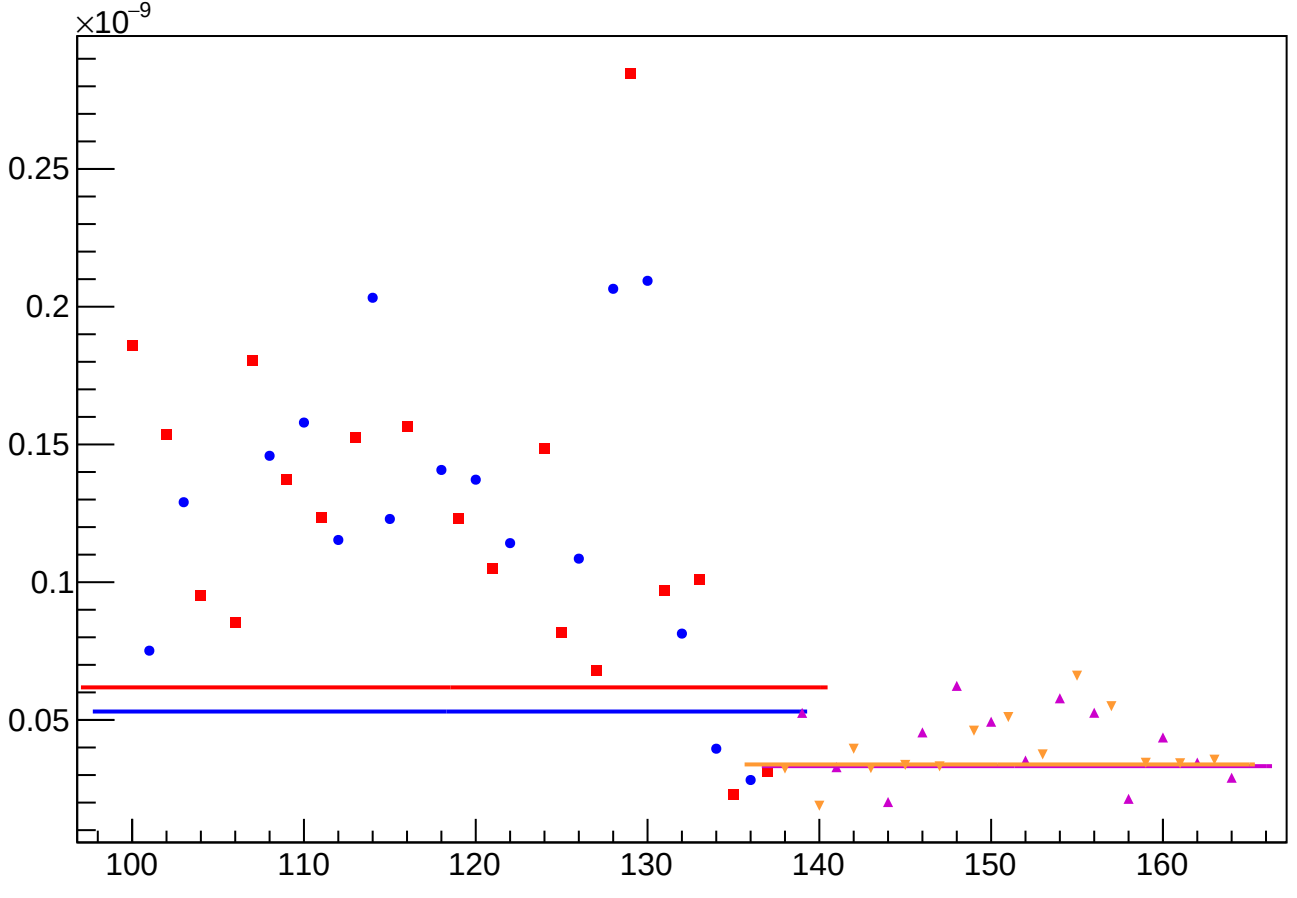
Left: -0.000+/-0.000 χ^2/NDF: 20.6/26

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:16.7/28

Out: -0.000+/-0.000 χ^2/NDF:32.8/32

All: -0.000+/-0.000 χ^2/NDF: 49.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:758725.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1191134.2/12

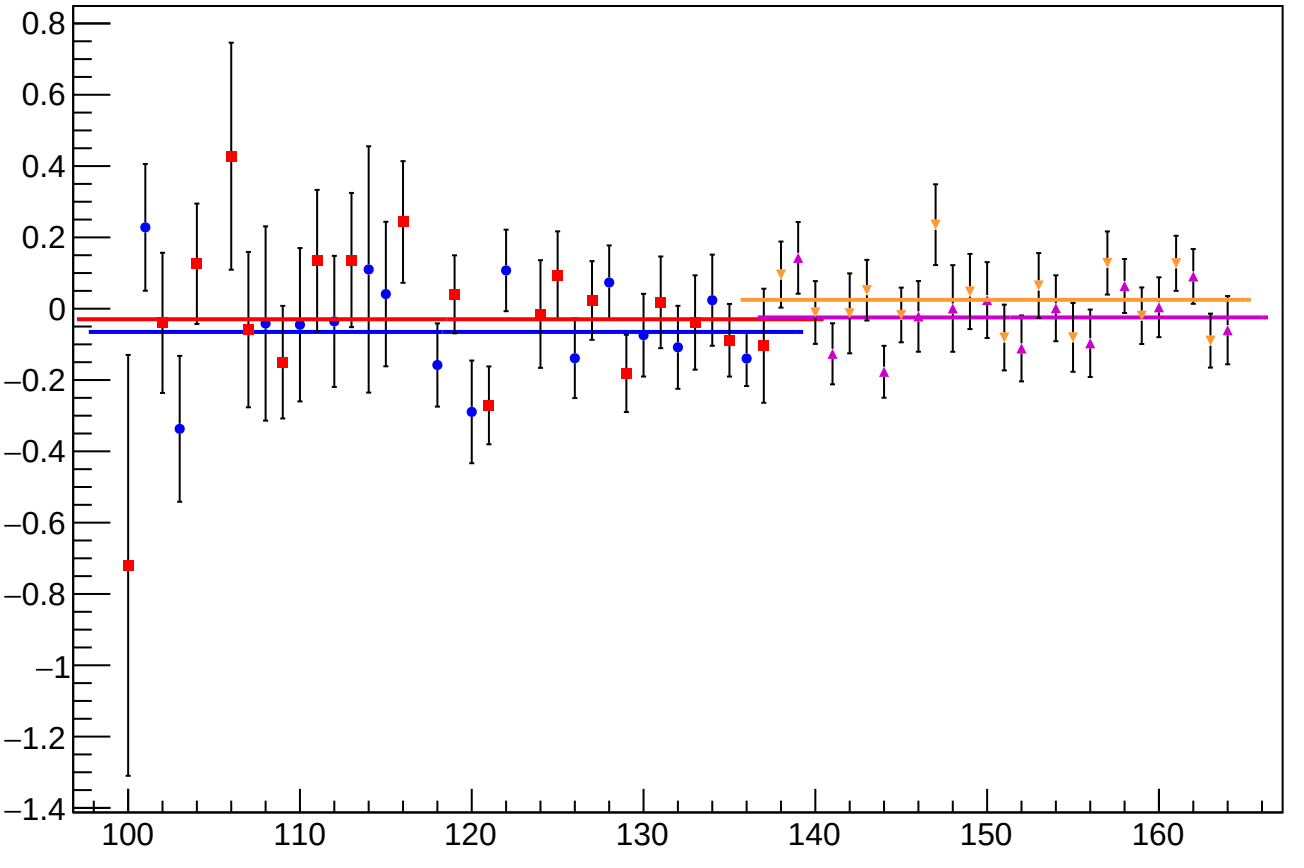
Left: 0.000+/-0.000 χ^2/NDF: 1951280.3/26

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4258150.8/28

Out: 0.000+/-0.000 χ^2/NDF:3905494.5/32

All: 0.000+/-0.000 χ^2/NDF: 8165095.1/61



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.024 χ^2/NDF:13.2/13

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.025+/-0.025 χ^2/NDF:14.2/12

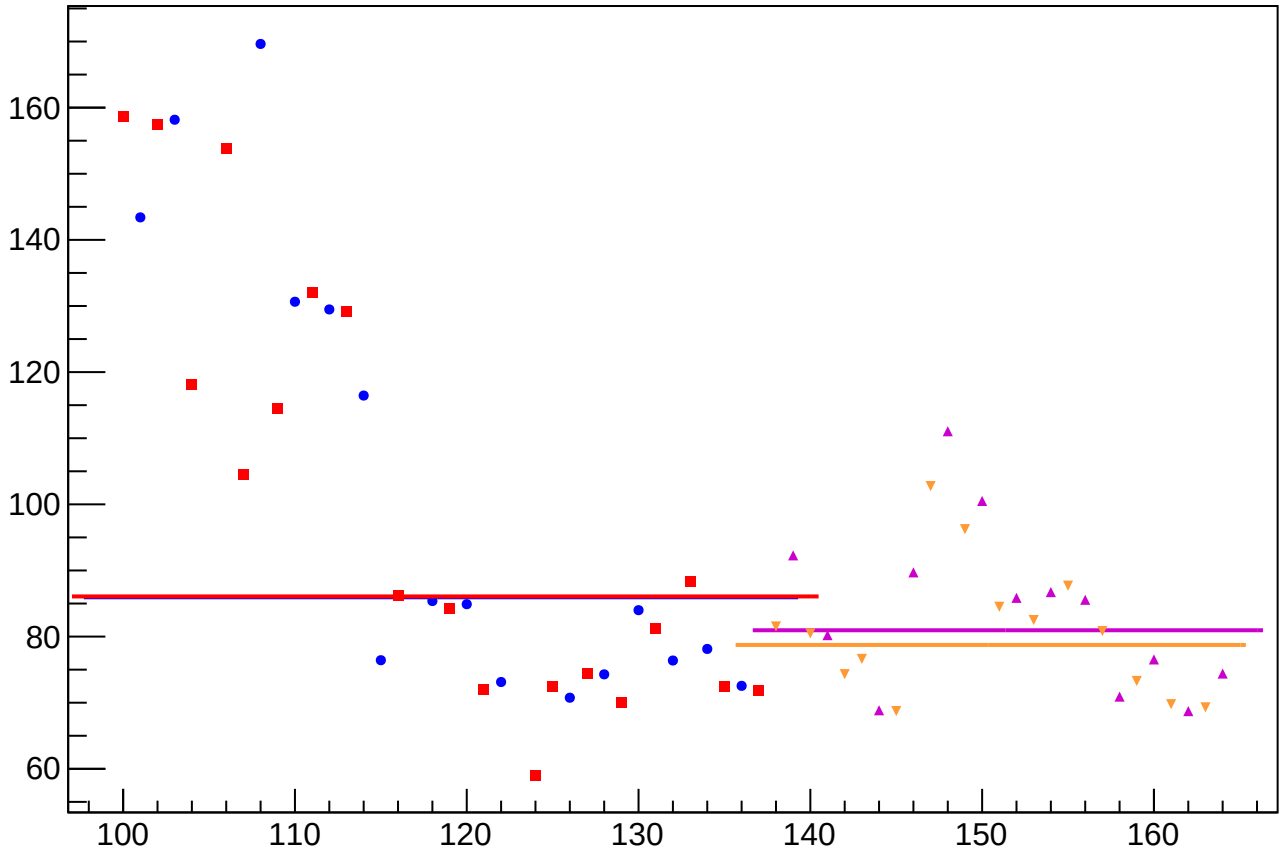
Left: 0.001+/-0.017 χ^2/NDF: 29.5/26

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.039+/-0.020 χ^2/NDF:29.4/28

Out: 0.006+/-0.019 χ^2/NDF:33.1/32

All: -0.016+/-0.014 χ^2/NDF: 65.1/61



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.736+/-0.017 χ^2/NDF:283282.7/13

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.956+/-0.018 χ^2/NDF:405889.5/12

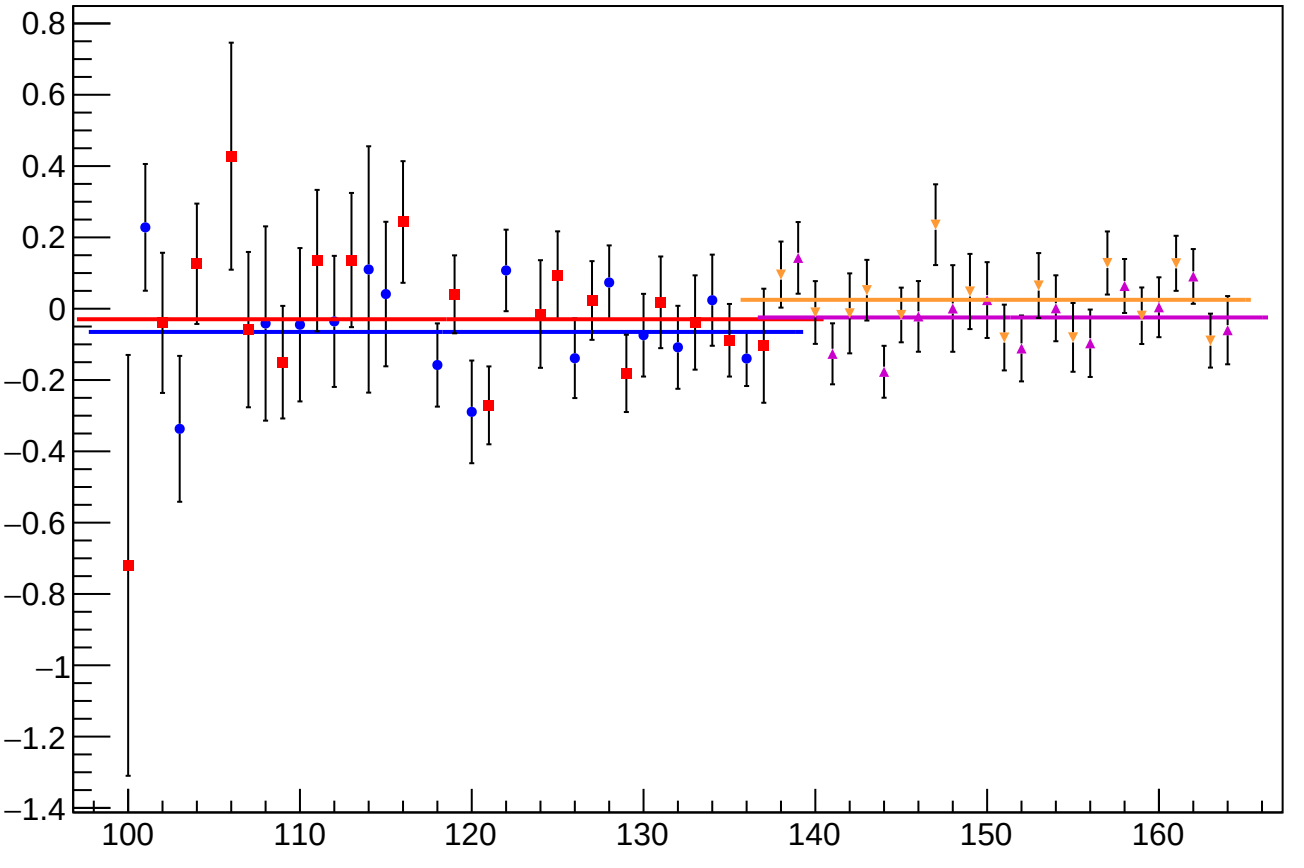
Left: 79.796+/-0.012 χ^2/NDF: 697535.5/26

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 82.737+/-0.014 χ^2/NDF:1469749.1/28

Out: 81.240+/-0.014 χ^2/NDF:1339917.8/32

All: 81.964+/-0.010 χ^2/NDF: 2815515.0/61



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.024 χ^2/NDF:13.2/13

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.025+/-0.025 χ^2/NDF:14.2/12

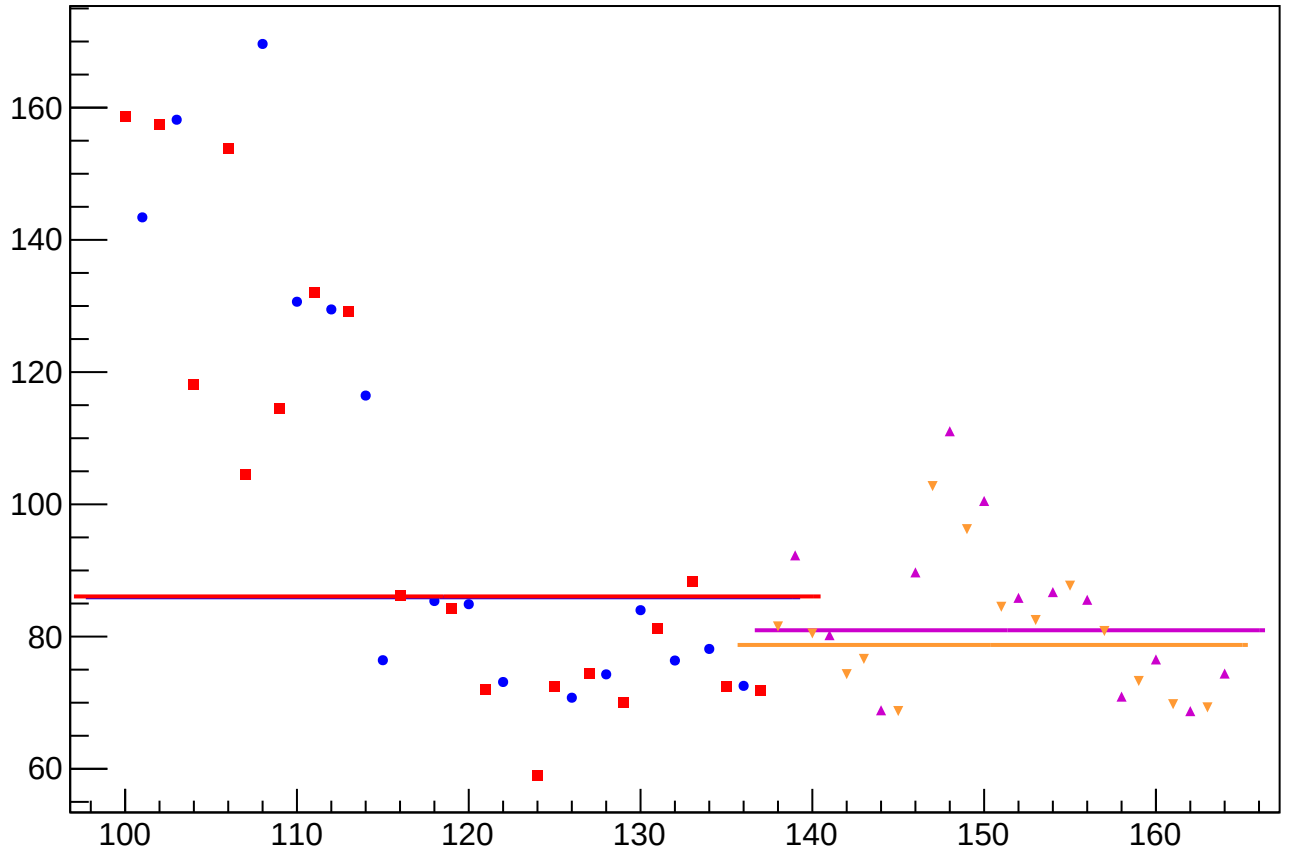
Left: 0.001+/-0.017 χ^2/NDF: 29.5/26

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.039+/-0.020 χ^2/NDF:29.4/28

Out: 0.006+/-0.019 χ^2/NDF:33.1/32

All: -0.016+/-0.014 χ^2/NDF: 65.1/61



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.736+/-0.017 χ^2/NDF:283282.7/13

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 80.956+/-0.018 χ^2/NDF:405889.5/12

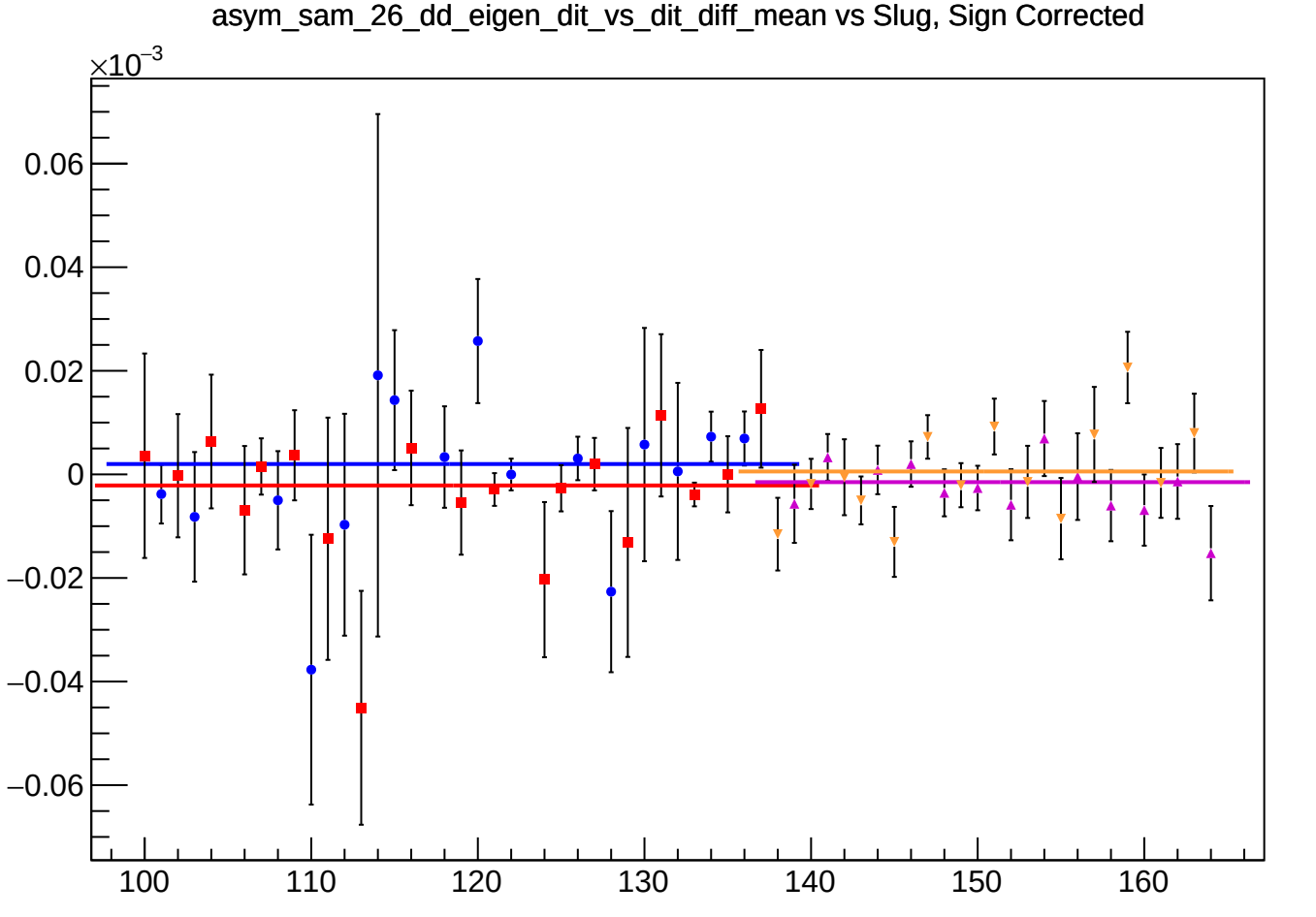
Left: 79.796+/-0.012 χ^2/NDF: 697535.5/26

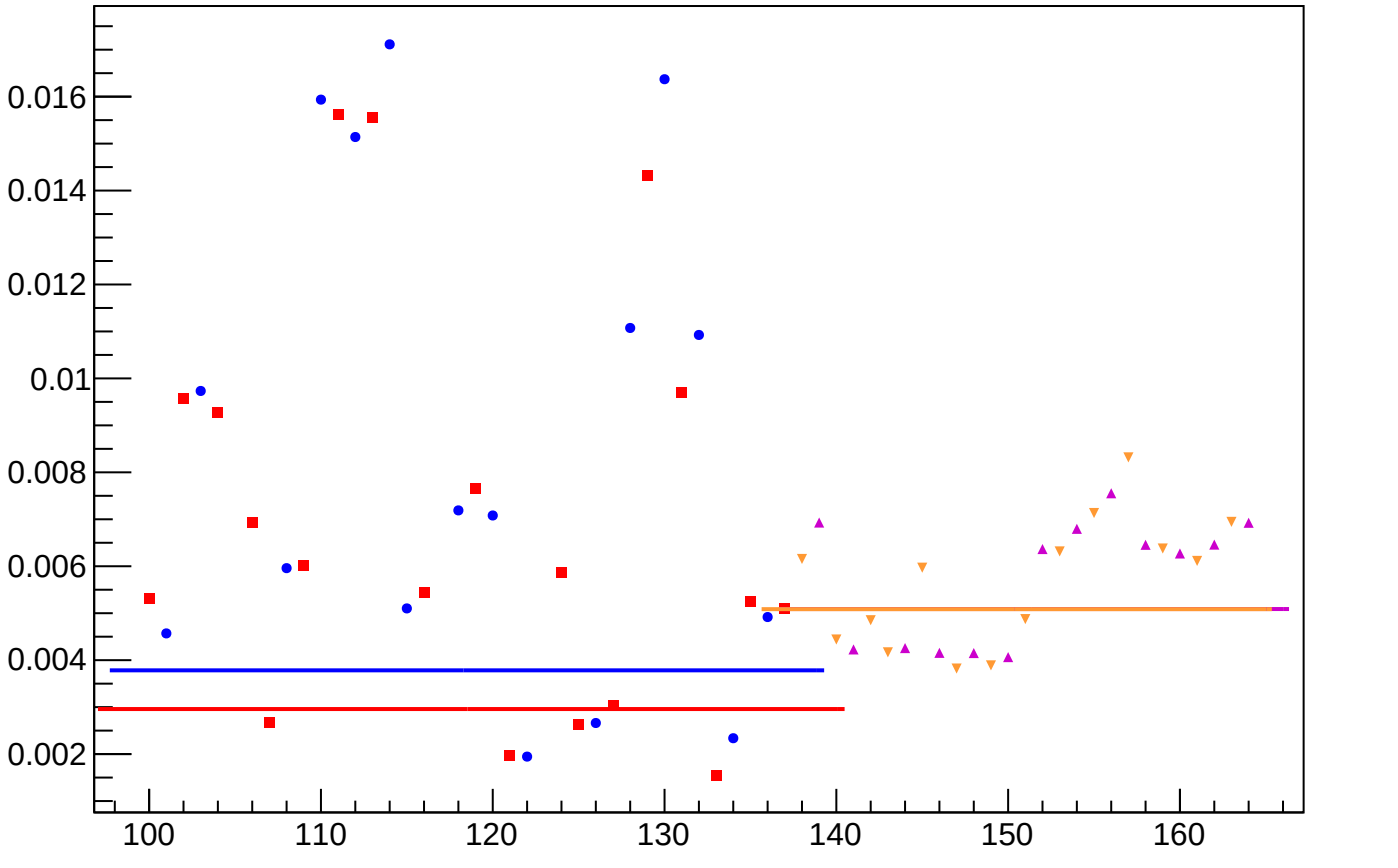
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 82.737+/-0.014 χ^2/NDF:1469749.1/28

Out: 81.240+/-0.014 χ^2/NDF:1339917.8/32

All: 81.964+/-0.010 χ^2/NDF: 2815515.0/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:25.8/13
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:7.7/12
Left: -0.000+/-0.000 χ²/NDF: 34.4/26
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:24.8/28
Out: -0.000+/-0.000 χ²/NDF:39.0/32
All: -0.000+/-0.000 χ²/NDF: 64.2/61



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1221740.0/13

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1190893.1/12

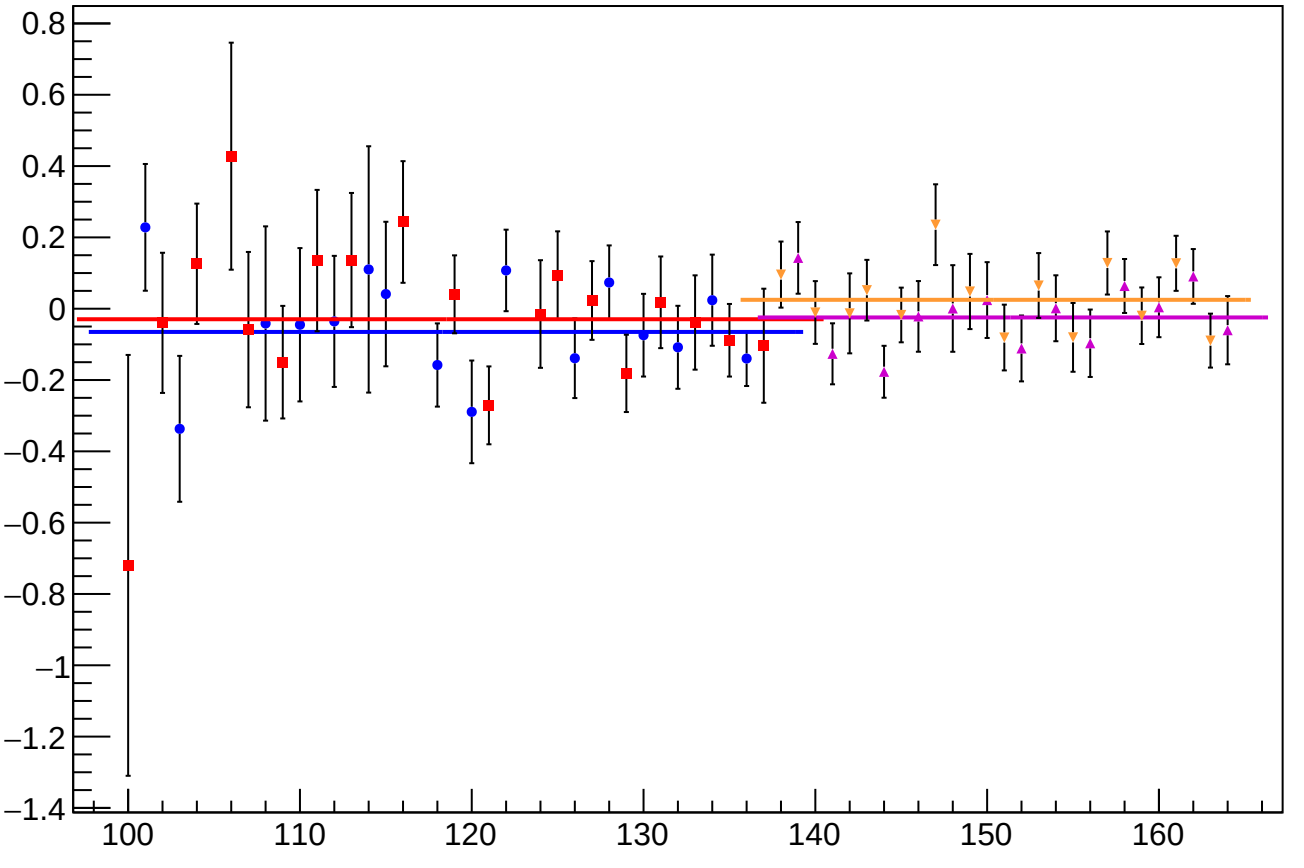
Left: 0.005+/-0.000 χ^2/NDF: 2412635.9/26

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:6496009.7/28

Out: 0.004+/-0.000 χ^2/NDF:8810912.6/32

All: 0.004+/-0.000 χ^2/NDF: 15592424.2/61



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.024 χ^2/NDF:13.2/13

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.025+/-0.025 χ^2/NDF:14.2/12

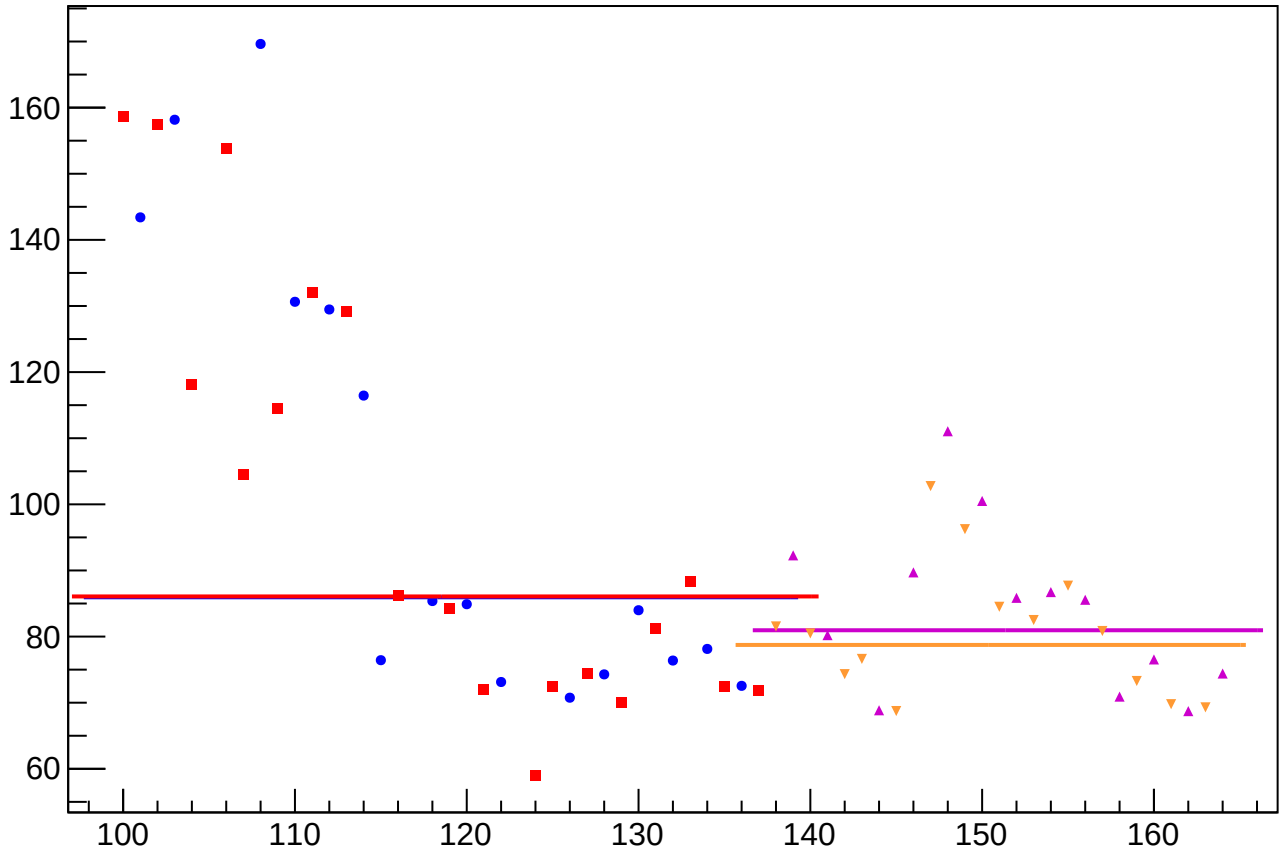
Left: 0.001+/-0.017 χ^2/NDF: 29.5/26

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.039+/-0.020 χ^2/NDF:29.4/28

Out: 0.006+/-0.019 χ^2/NDF:33.1/32

All: -0.016+/-0.014 χ^2/NDF: 65.1/61



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.736+/-0.017 χ^2/NDF:283315.5/13

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.956+/-0.018 χ^2/NDF:405920.8/12

Left: 79.796+/-0.012 χ^2/NDF: 697598.2/26

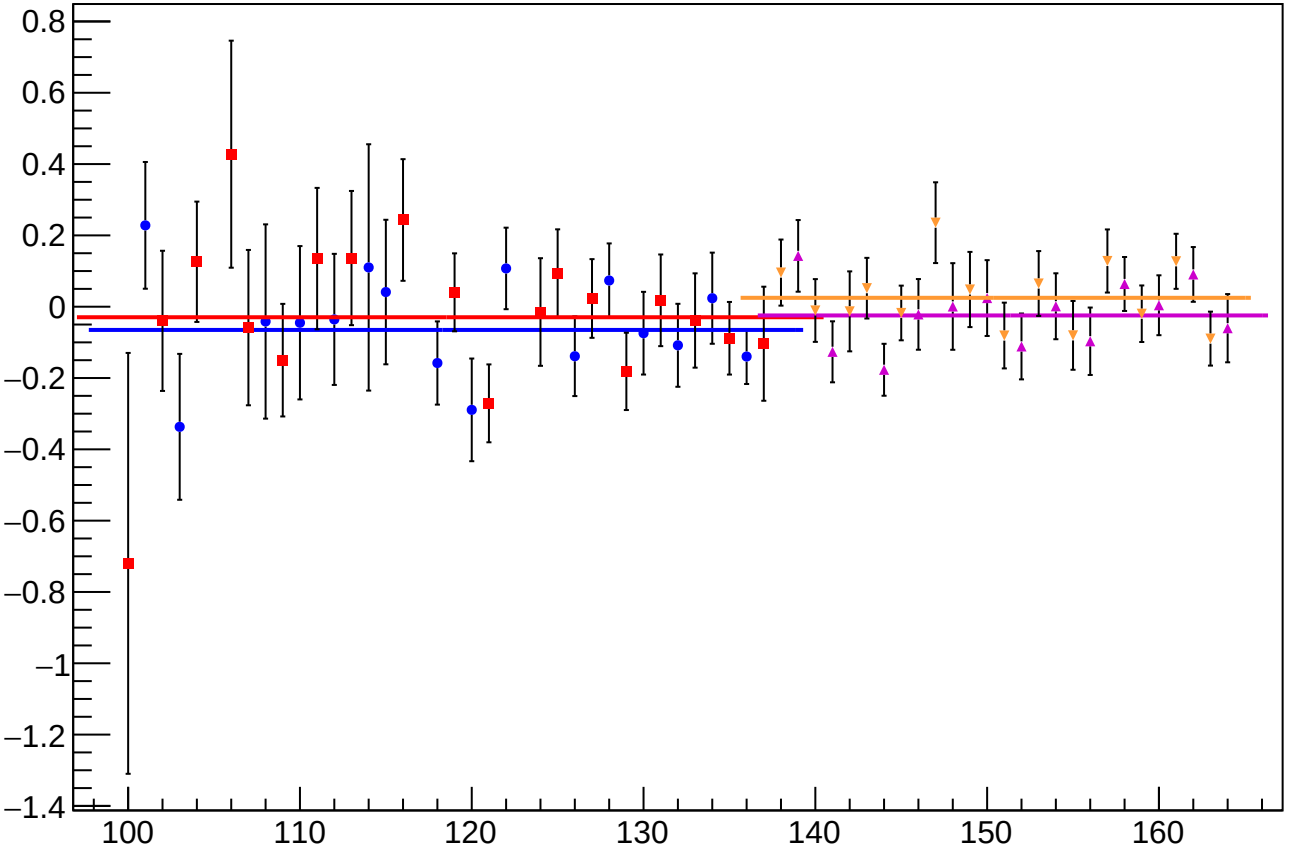
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 82.736+/-0.014 χ^2/NDF:1469742.2/28

Out: 81.239+/-0.014 χ^2/NDF:1339916.4/32

All: 81.963+/-0.010 χ^2/NDF: 2815504.5/61

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.024 χ^2/NDF:13.2/13

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.025+/-0.025 χ^2/NDF:14.2/12

Left: 0.001+/-0.017 χ^2/NDF: 29.5/26

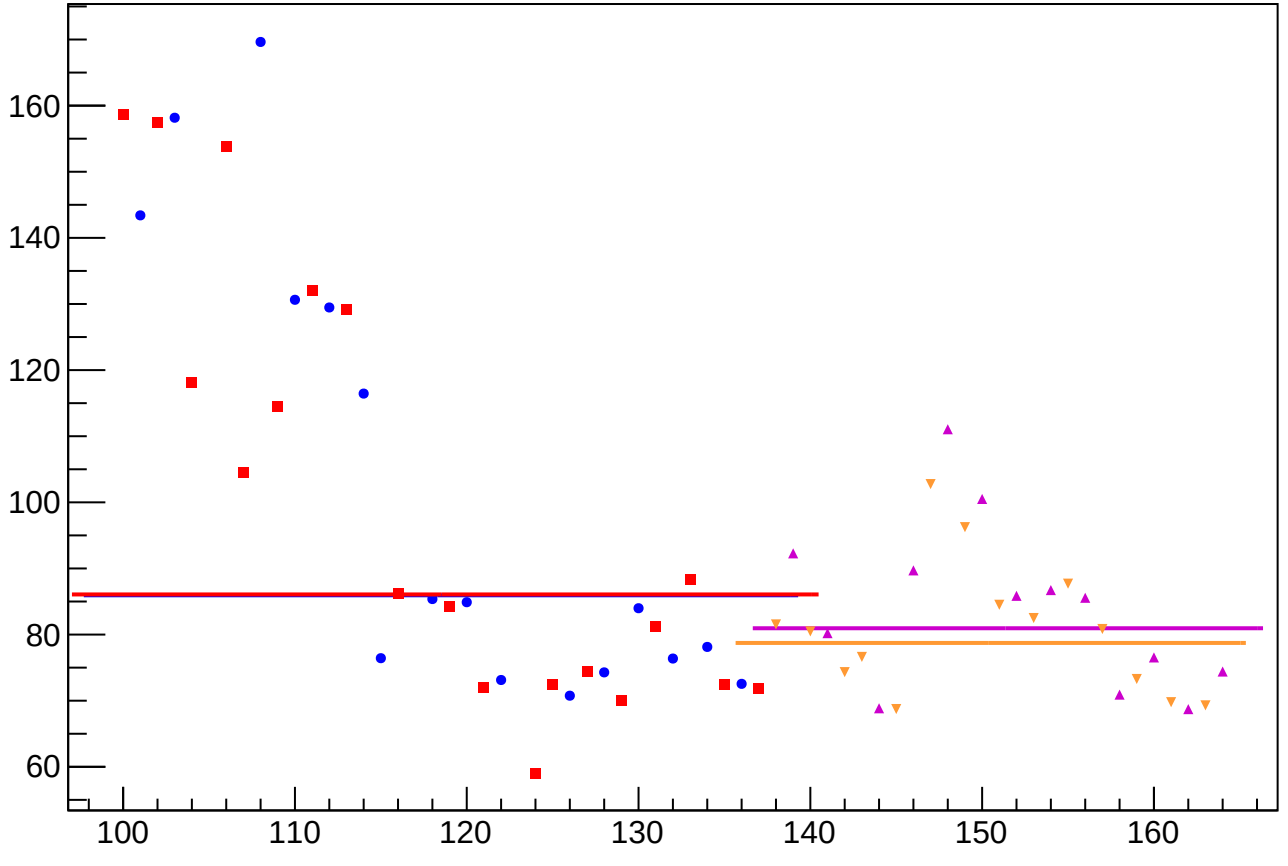
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.039+/-0.020 χ^2/NDF:29.4/28

Out: 0.006+/-0.019 χ^2/NDF:33.1/32

All: -0.016+/-0.014 χ^2/NDF: 65.1/61

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.736+/-0.017 χ^2/NDF:283315.5/13

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 80.956+/-0.018 χ^2/NDF:405920.8/12

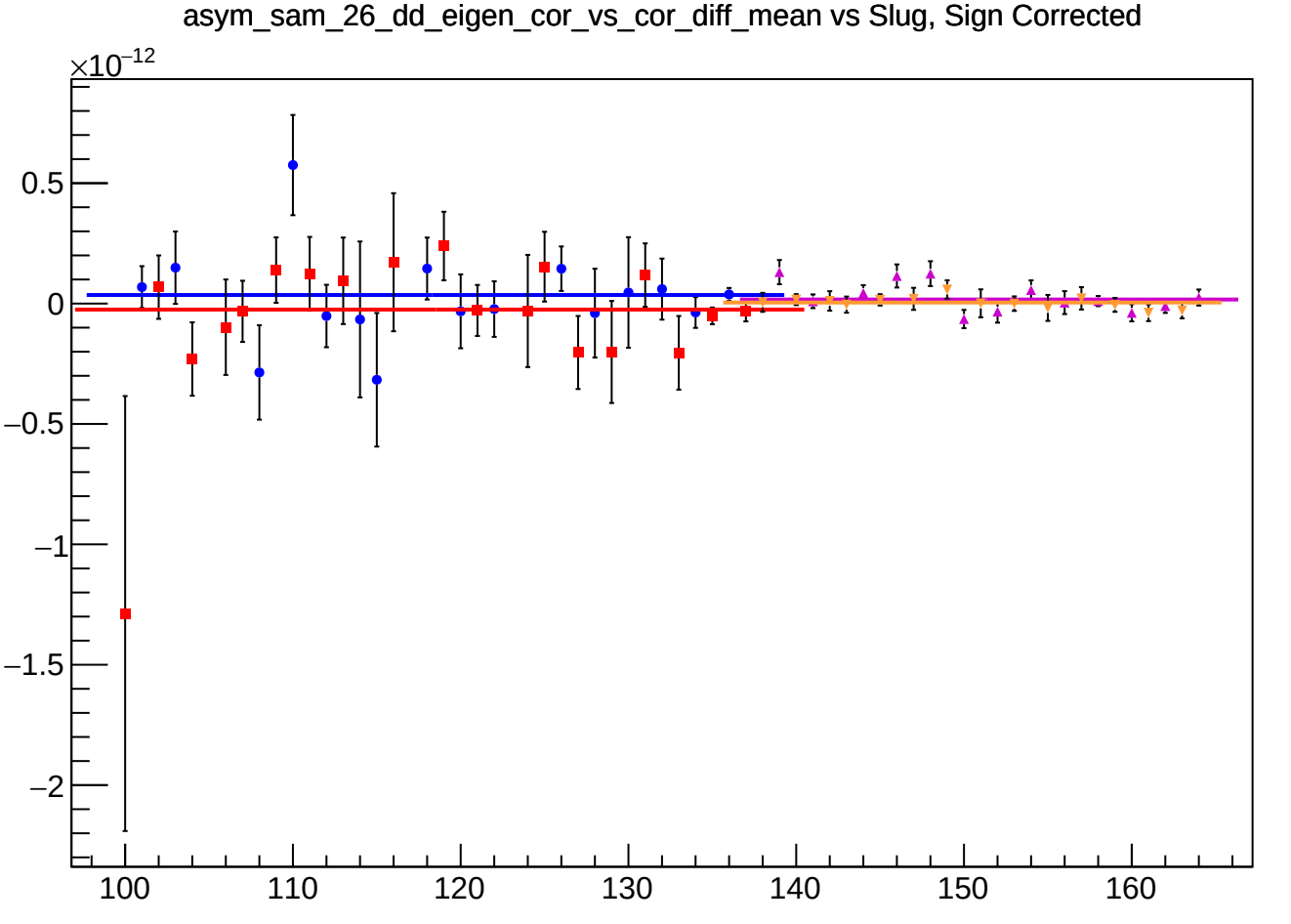
Left: 79.796+/-0.012 χ^2/NDF: 697598.2/26

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 82.736+/-0.014 χ^2/NDF:1469742.2/28

Out: 81.239+/-0.014 χ^2/NDF:1339916.4/32

All: 81.963+/-0.010 χ^2/NDF: 2815504.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:24.6/12

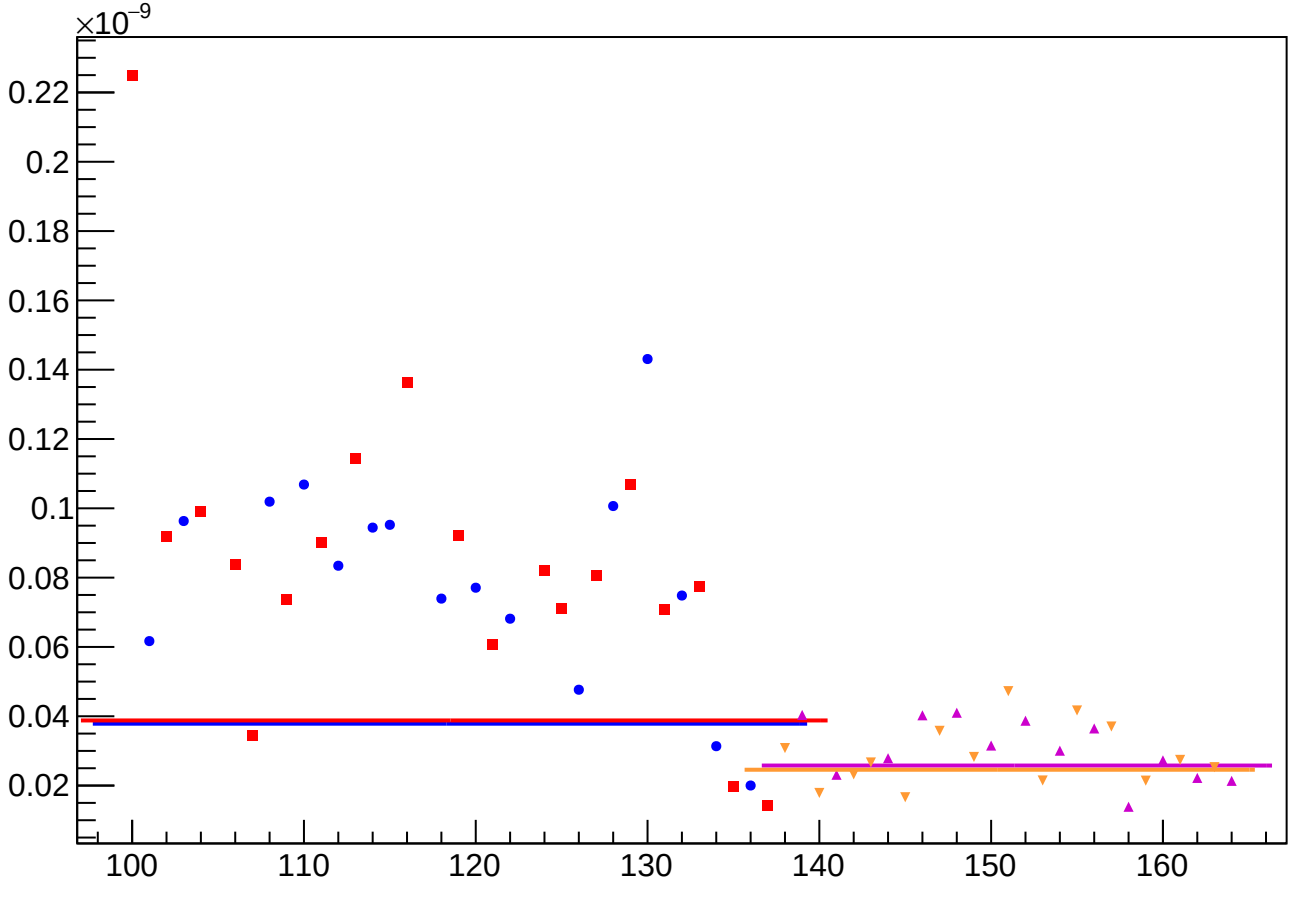
Left: 0.000+/-0.000 χ^2/NDF: 31.2/26

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:41.7/28

Out: 0.000+/-0.000 χ^2/NDF:25.1/32

All: 0.000+/-0.000 χ^2/NDF: 69.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1309443.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1590733.6/12

Left: 0.000+/-0.000 χ^2/NDF: 2916940.3/26

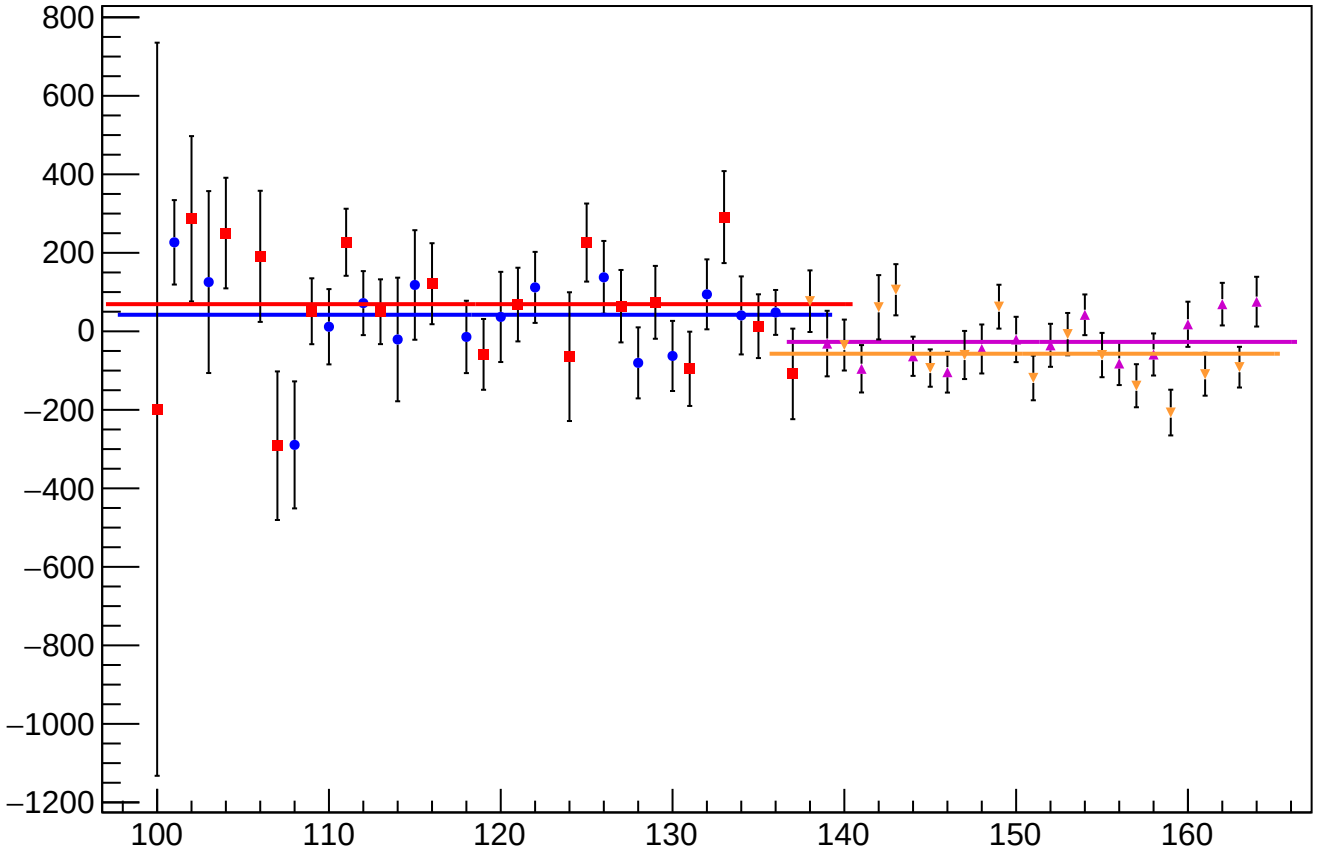
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:5610751.5/28

Out: 0.000+/-0.000 χ^2/NDF:6136286.4/32

All: 0.000+/-0.000 χ^2/NDF: 11771771.6/61

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -57.041+/-15.594 χ^2/NDF:28.8/13

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -26.902+/-15.777 χ^2/NDF:13.6/12

Left: -42.147+/-11.091 χ^2/NDF: 44.2/26

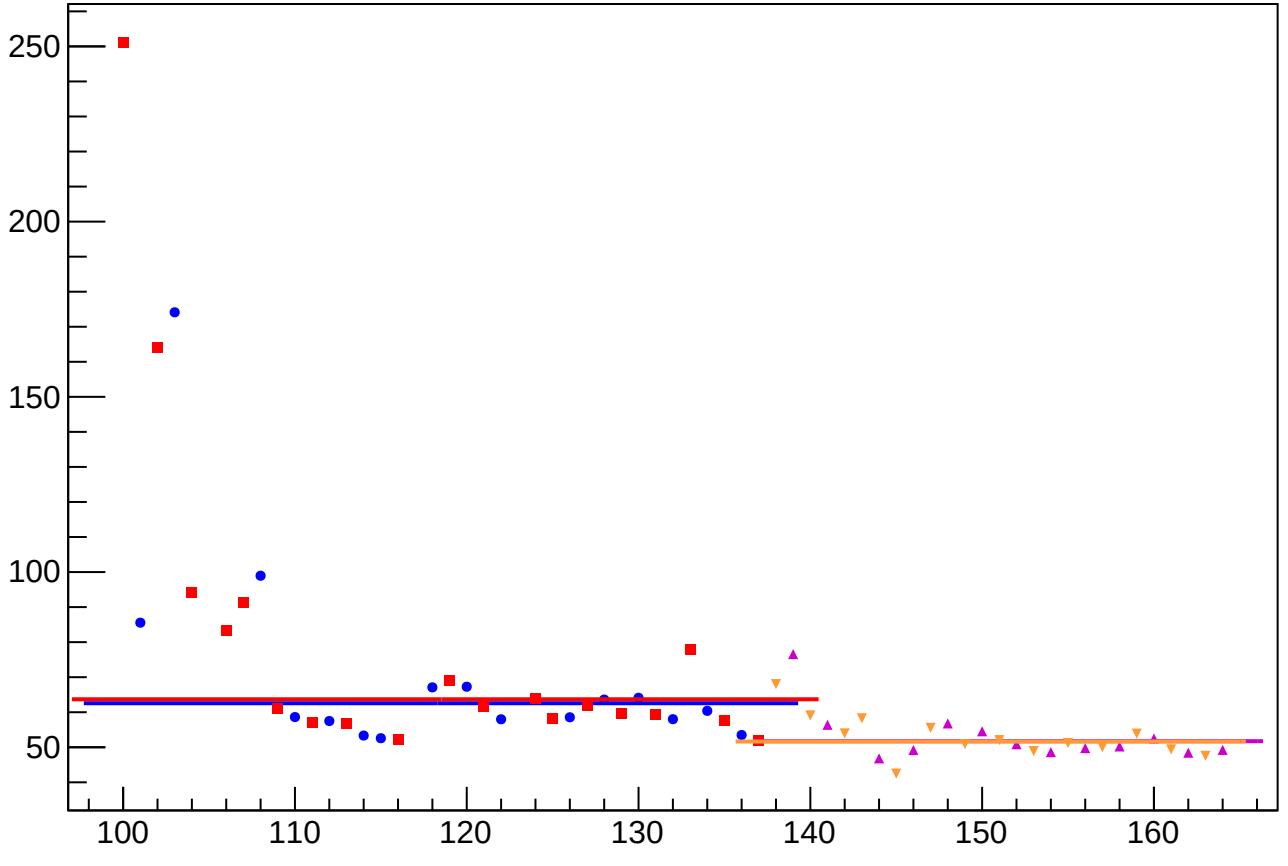
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -6.294+/-13.217 χ^2/NDF:32.9/28

Out: -20.457+/-13.142 χ^2/NDF:73.1/32

All: -13.416+/-9.319 χ^2/NDF: 106.6/61

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 51.640+/-0.011 χ^2/NDF:244296.8/13

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 51.735+/-0.011 χ^2/NDF:253867.6/12

Left: 51.687+/-0.008 χ^2/NDF: 498201.2/26

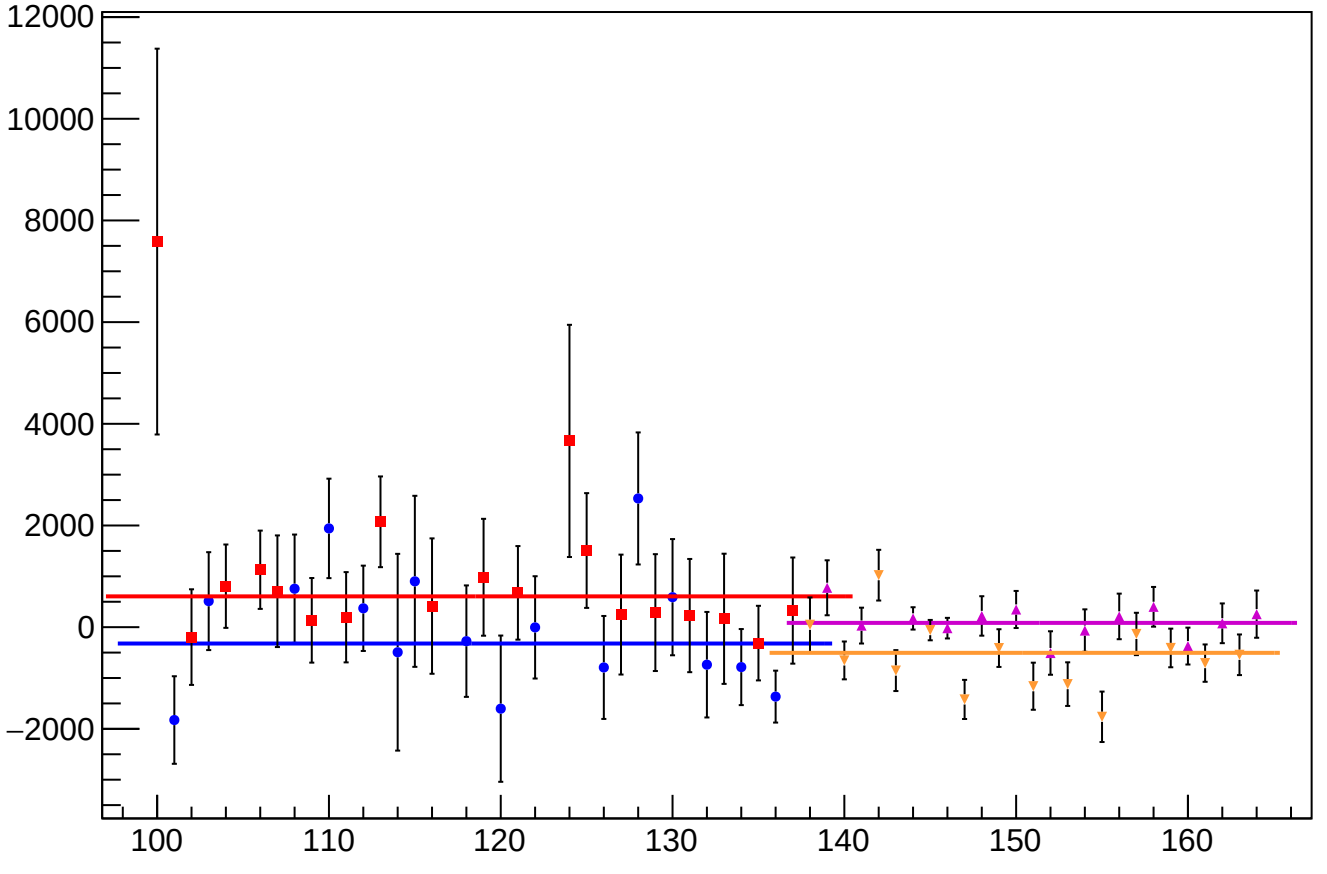
Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 54.964+/-0.009 χ^2/NDF:1293451.9/28

Out: 55.134+/-0.009 χ^2/NDF:1424955.0/32

All: 55.049+/-0.007 χ^2/NDF: 2718572.1/61

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -504.855+/-99.830 χ^2/NDF:33.7/13

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 84.257+/-94.385 χ^2/NDF:7.2/12

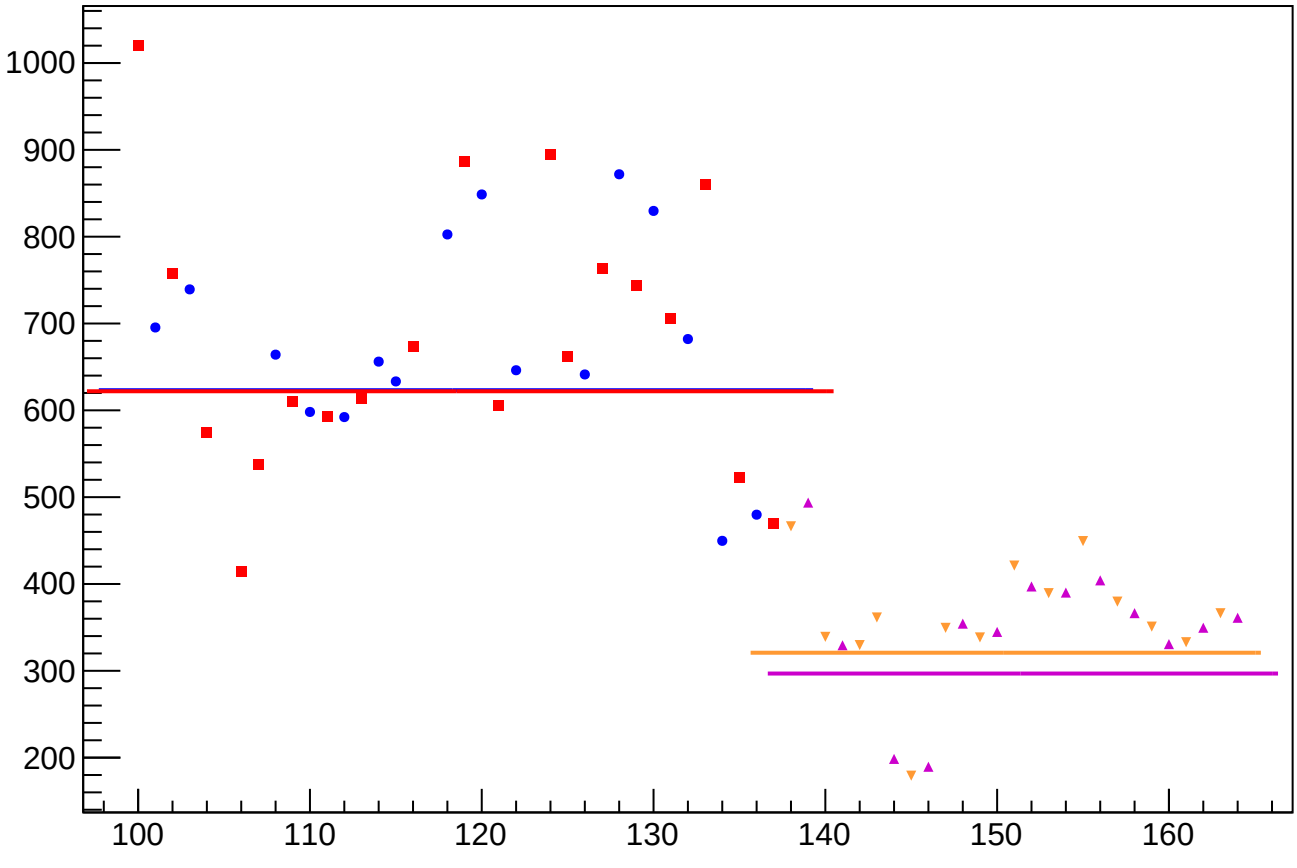
Left: -193.794+/-68.585 χ^2/NDF: 59.4/26

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 29.286+/-87.762 χ^2/NDF:32.4/28

Out: -333.381+/-91.802 χ^2/NDF:65.3/32

All: -143.892+/-63.437 χ^2/NDF: 105.9/61



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 320.835+/-0.071 χ^2/NDF:1547576.0/13

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 296.858+/-0.067 χ^2/NDF:1803127.2/12

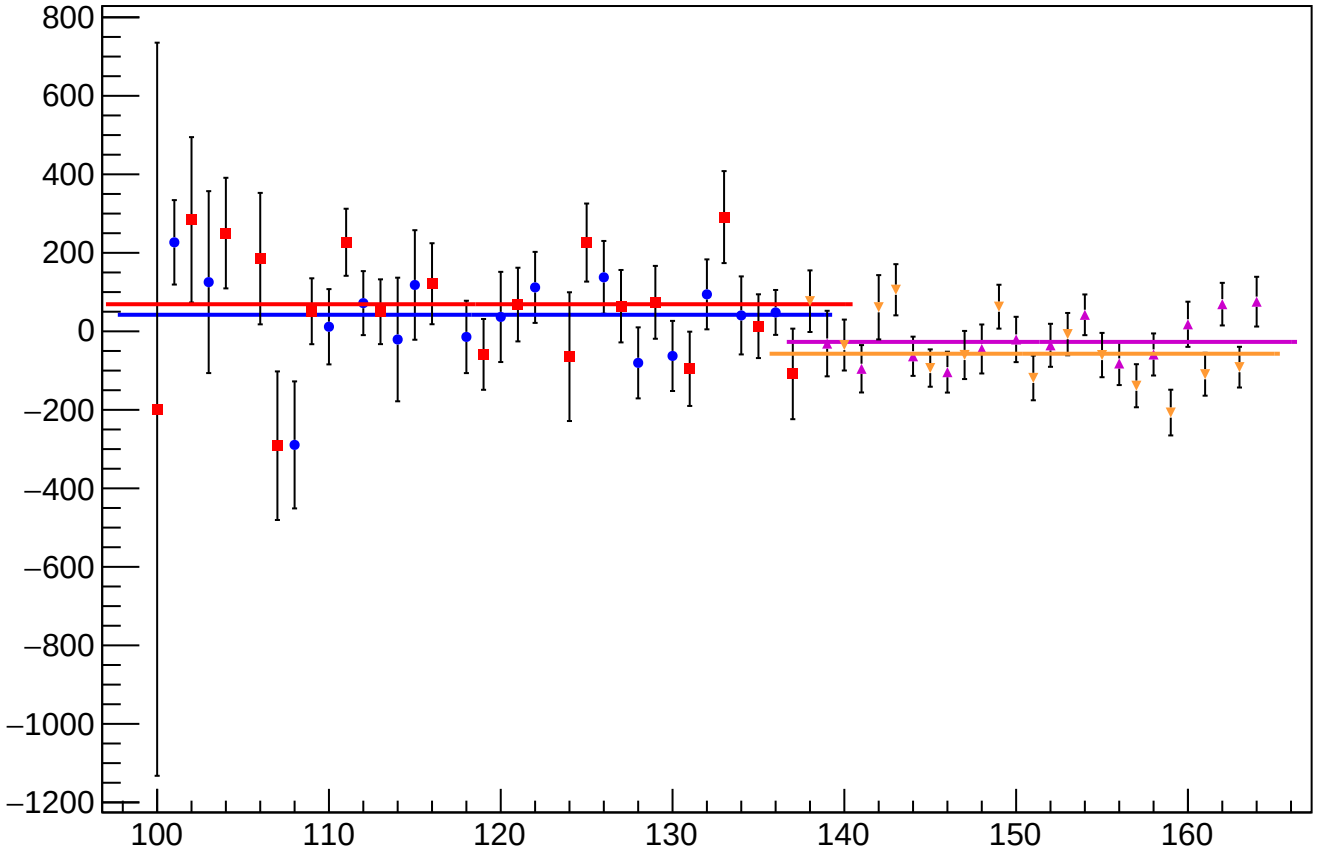
Left: 308.175+/-0.048 χ^2/NDF: 3411618.2/26

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 341.050+/-0.062 χ^2/NDF:5606198.4/28

Out: 367.325+/-0.065 χ^2/NDF:4939713.2/32

All: 353.597+/-0.045 χ^2/NDF: 10631514.6/61



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -57.039+/-15.594 χ^2/NDF:28.8/13

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -26.901+/-15.777 χ^2/NDF:13.6/12

Left: -42.146+/-11.091 χ^2/NDF: 44.2/26

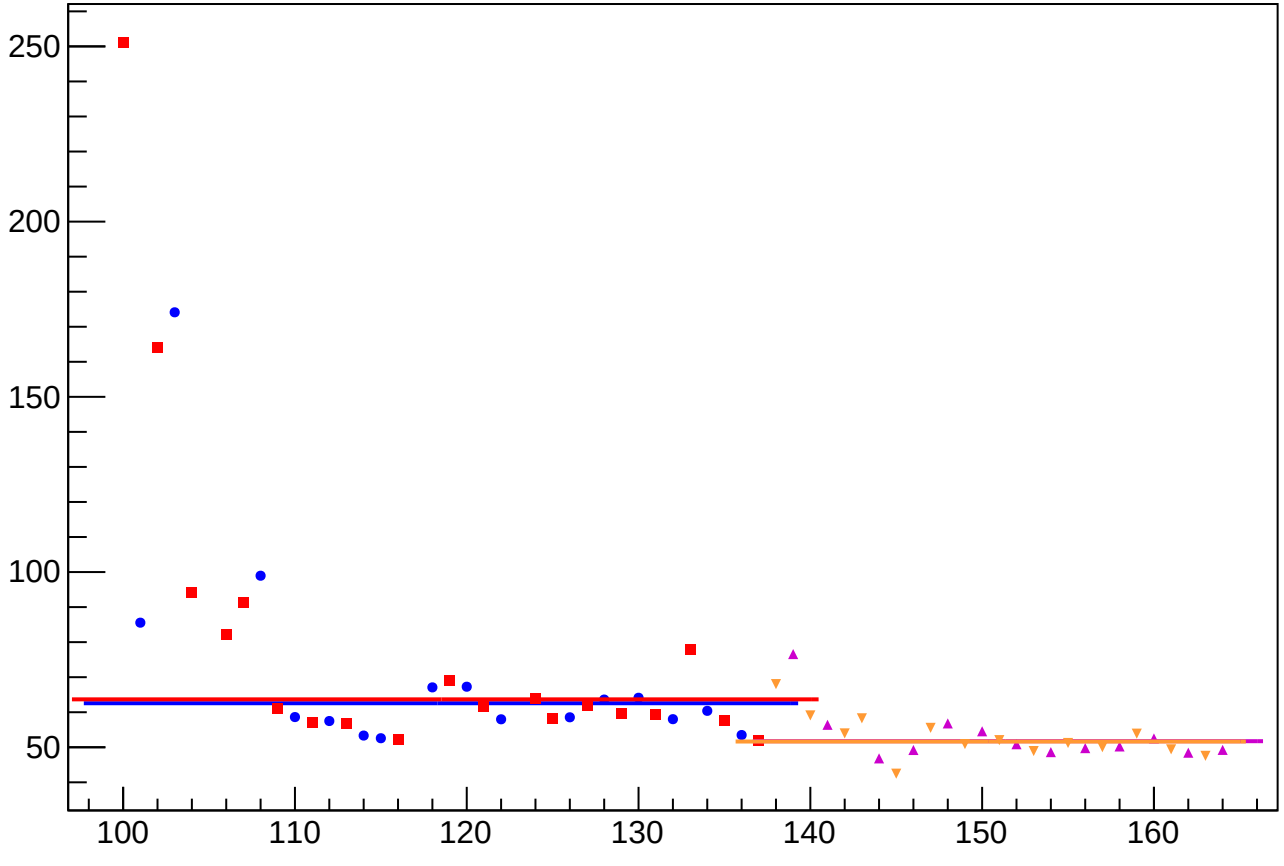
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -6.296+/-13.217 χ^2/NDF:32.9/28

Out: -20.511+/-13.143 χ^2/NDF:73.0/32

All: -13.444+/-9.320 χ^2/NDF: 106.5/61

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 51.640+/-0.011 χ^2/NDF:244296.8/13

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.735+/-0.011 χ^2/NDF:253867.6/12

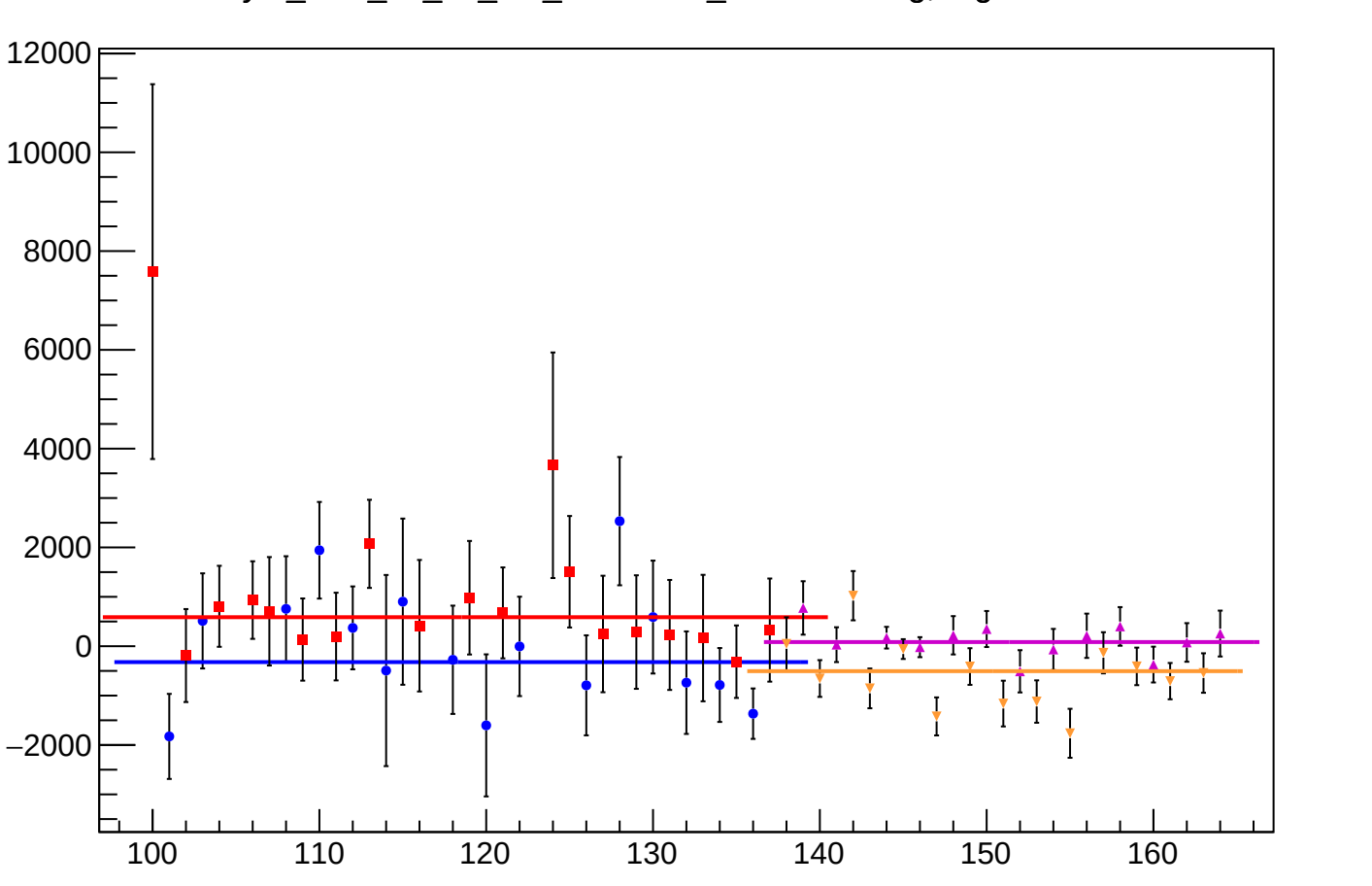
Left: 51.687+/-0.008 χ^2/NDF: 498201.2/26

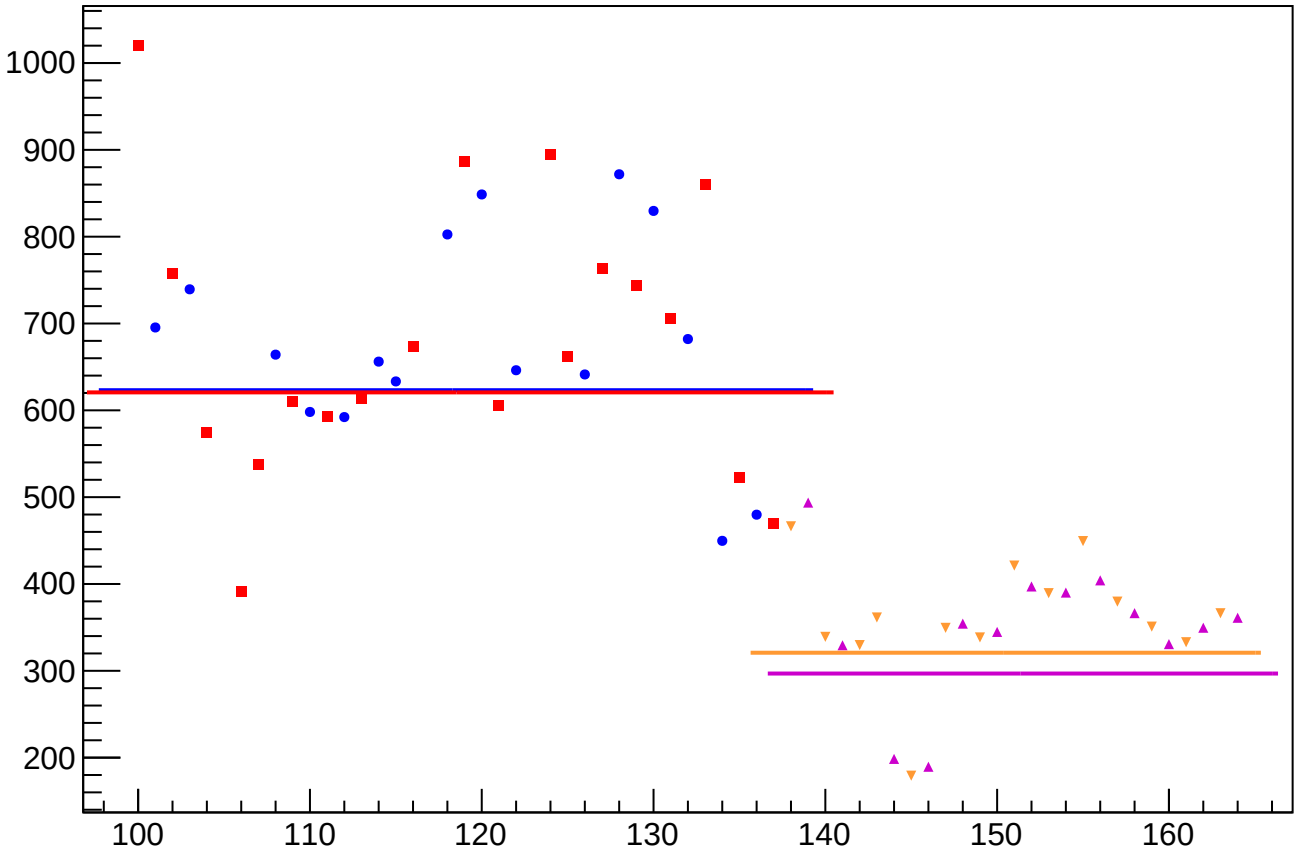
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 54.964+/-0.009 χ^2/NDF:1293453.9/28

Out: 55.126+/-0.009 χ^2/NDF:1420791.8/32

All: 55.046+/-0.007 χ^2/NDF: 2714396.9/61


asym_sam_37_dd_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: -321.660+/-238.484 χ²/NDF: 22.7/15
Left Out: -504.851+/-99.830 χ²/NDF:33.7/13
Right Out: 587.224+/-234.080 χ²/NDF: 12.2/18
Left In: 84.261+/-94.385 χ²/NDF:7.2/12
Left: -193.790+/-68.585 χ²/NDF: 59.4/26
Right: 141.251+/-167.055 χ²/NDF: 42.3/34
In: 29.290+/-87.762 χ²/NDF:32.4/28
Out: -336.787+/-91.828 χ²/NDF:64.3/32
All: -145.464+/-63.446 χ²/NDF: 105.1/61



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 320.834+/-0.071 χ^2/NDF:1547583.4/13

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 296.858+/-0.067 χ^2/NDF:1803133.2/12

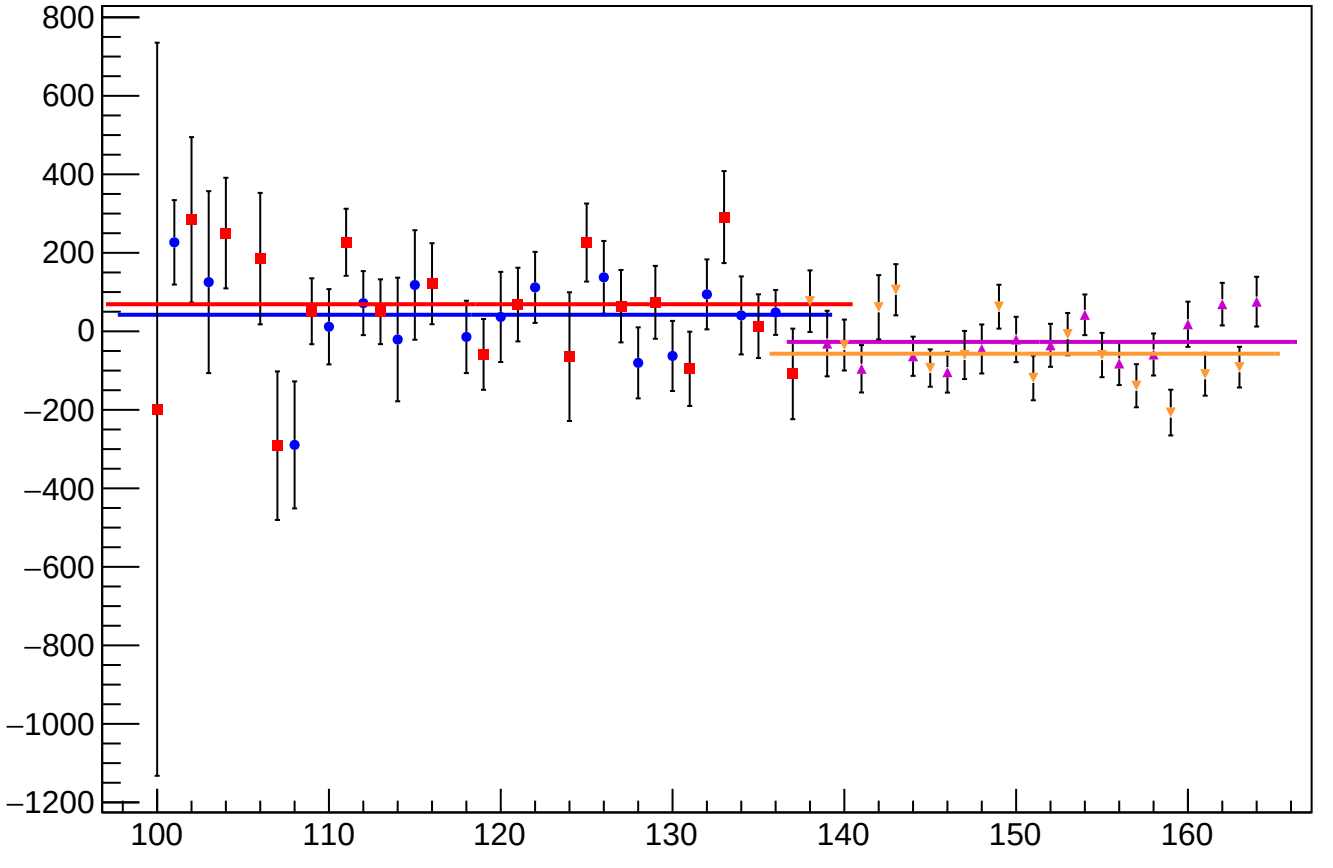
Left: 308.174+/-0.048 χ^2/NDF: 3411631.7/26

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 341.050+/-0.062 χ^2/NDF:5606265.5/28

Out: 366.978+/-0.065 χ^2/NDF:4934631.1/32

All: 353.427+/-0.045 χ^2/NDF: 10624229.1/61



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -57.039+/-15.594 χ^2/NDF:28.8/13

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -26.901+/-15.777 χ^2/NDF:13.6/12

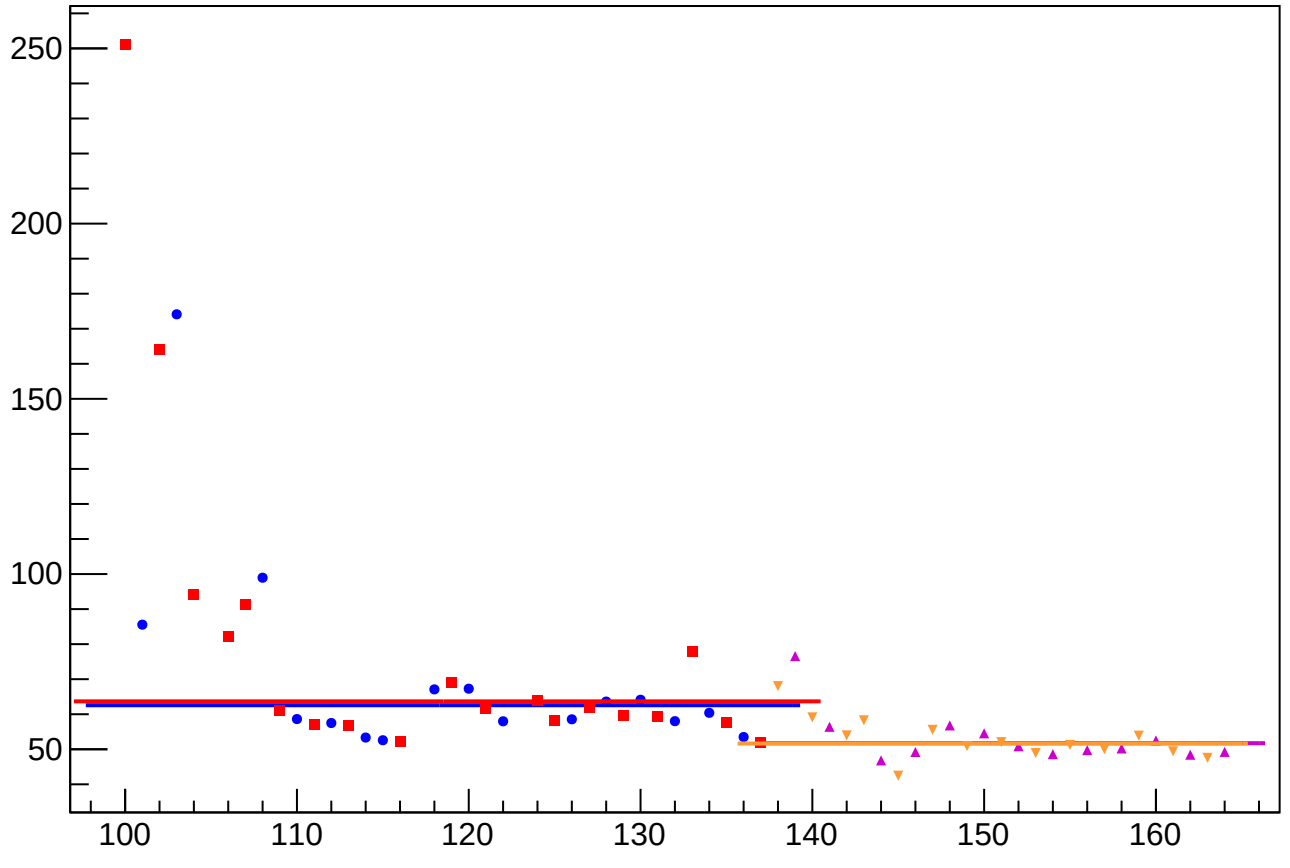
Left: -42.146+/-11.091 χ^2/NDF: 44.2/26

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -6.296+/-13.217 χ^2/NDF:32.9/28

Out: -20.511+/-13.143 χ^2/NDF:73.0/32

All: -13.444+/-9.320 χ^2/NDF: 106.5/61



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 51.640+/-0.011 χ^2/NDF:244296.8/13

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.735+/-0.011 χ^2/NDF:253867.6/12

Left: 51.687+/-0.008 χ^2/NDF: 498201.2/26

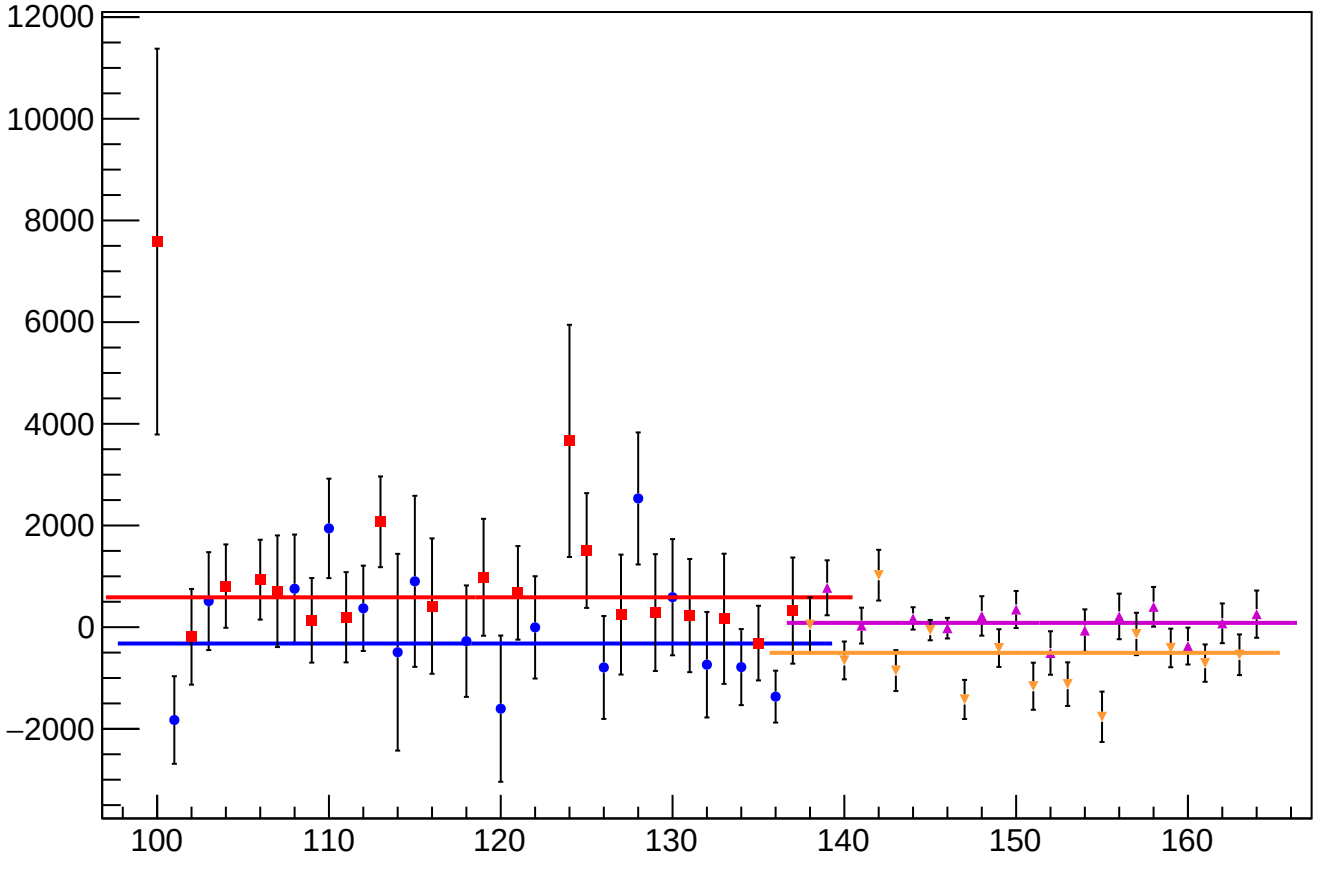
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 54.964+/-0.009 χ^2/NDF:1293453.9/28

Out: 55.126+/-0.009 χ^2/NDF:1420791.8/32

All: 55.046+/-0.007 χ^2/NDF: 2714396.9/61

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: -504.851+/-99.830 χ^2/NDF:33.7/13

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 84.261+/-94.385 χ^2/NDF:7.2/12

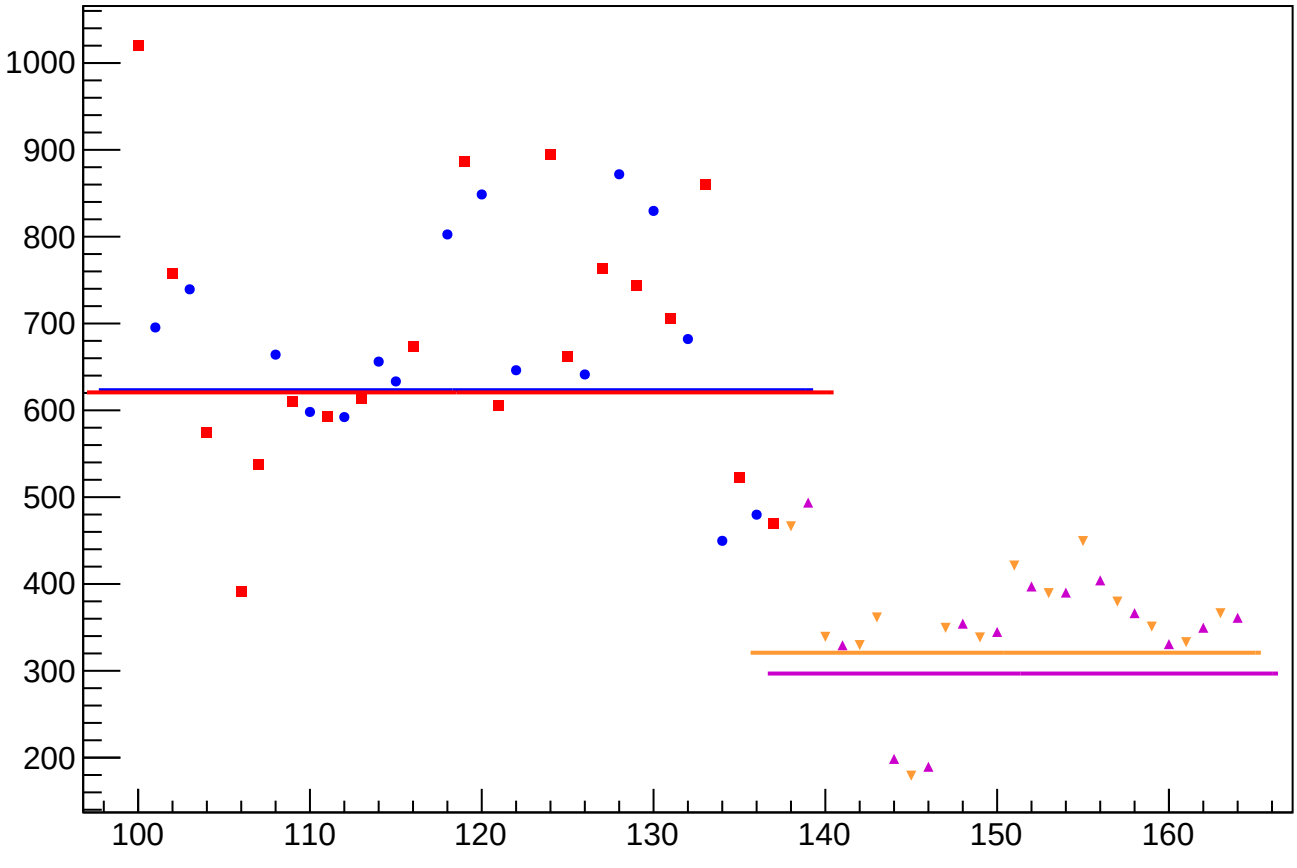
Left: -193.790+/-68.585 χ^2/NDF: 59.4/26

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 29.290+/-87.762 χ^2/NDF:32.4/28

Out: -336.787+/-91.828 χ^2/NDF:64.3/32

All: -145.464+/-63.446 χ^2/NDF: 105.1/61



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 320.834+/-0.071 χ^2/NDF:1547583.4/13

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 296.858+/-0.067 χ^2/NDF:1803133.2/12

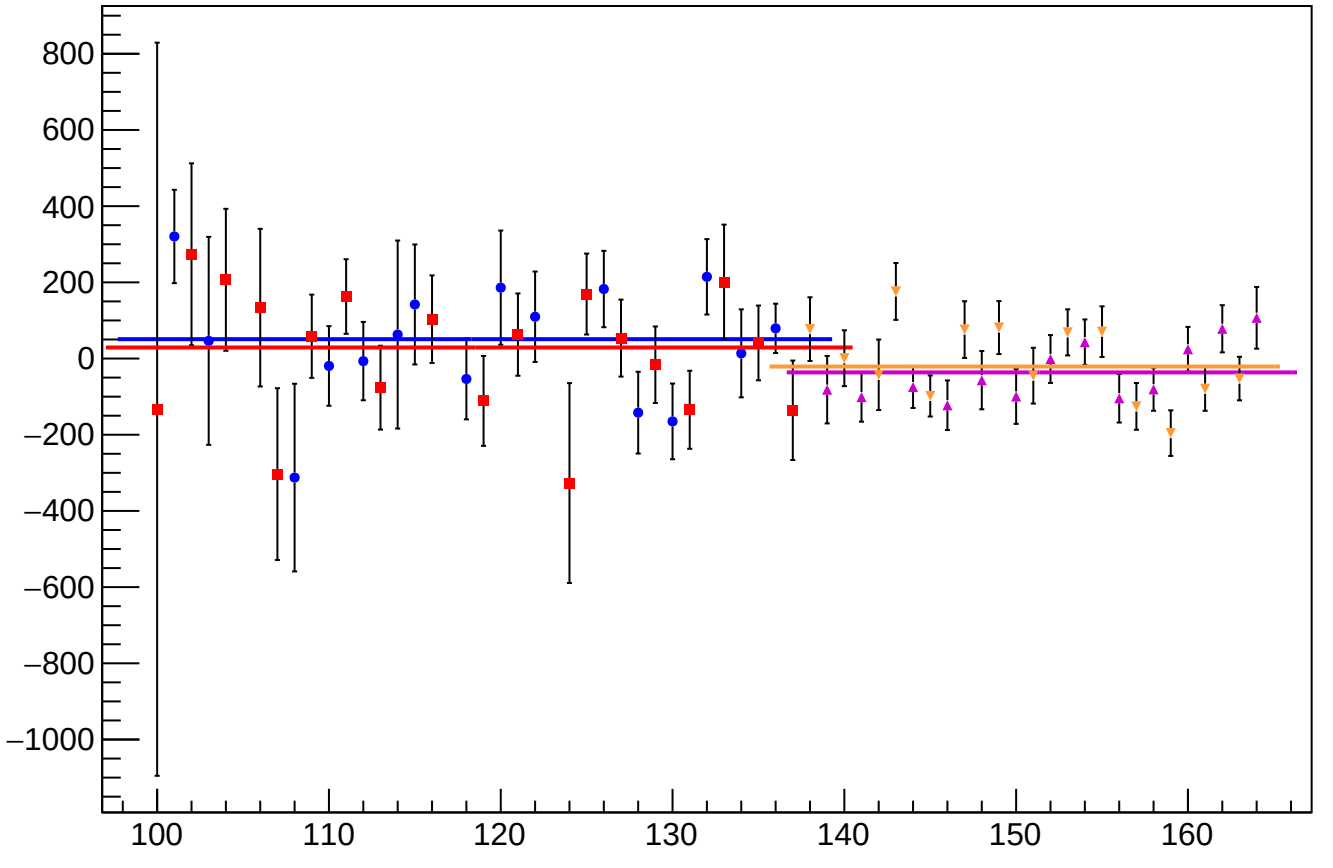
Left: 308.174+/-0.048 χ^2/NDF: 3411631.7/26

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 341.050+/-0.062 χ^2/NDF:5606265.5/28

Out: 366.978+/-0.065 χ^2/NDF:4934631.1/32

All: 353.427+/-0.045 χ^2/NDF: 10624229.1/61



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -21.004+/-17.698 χ^2/NDF:31.4/13

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -36.361+/-17.975 χ^2/NDF:15.8/12

Left: -28.563+/-12.611 χ^2/NDF: 47.6/26

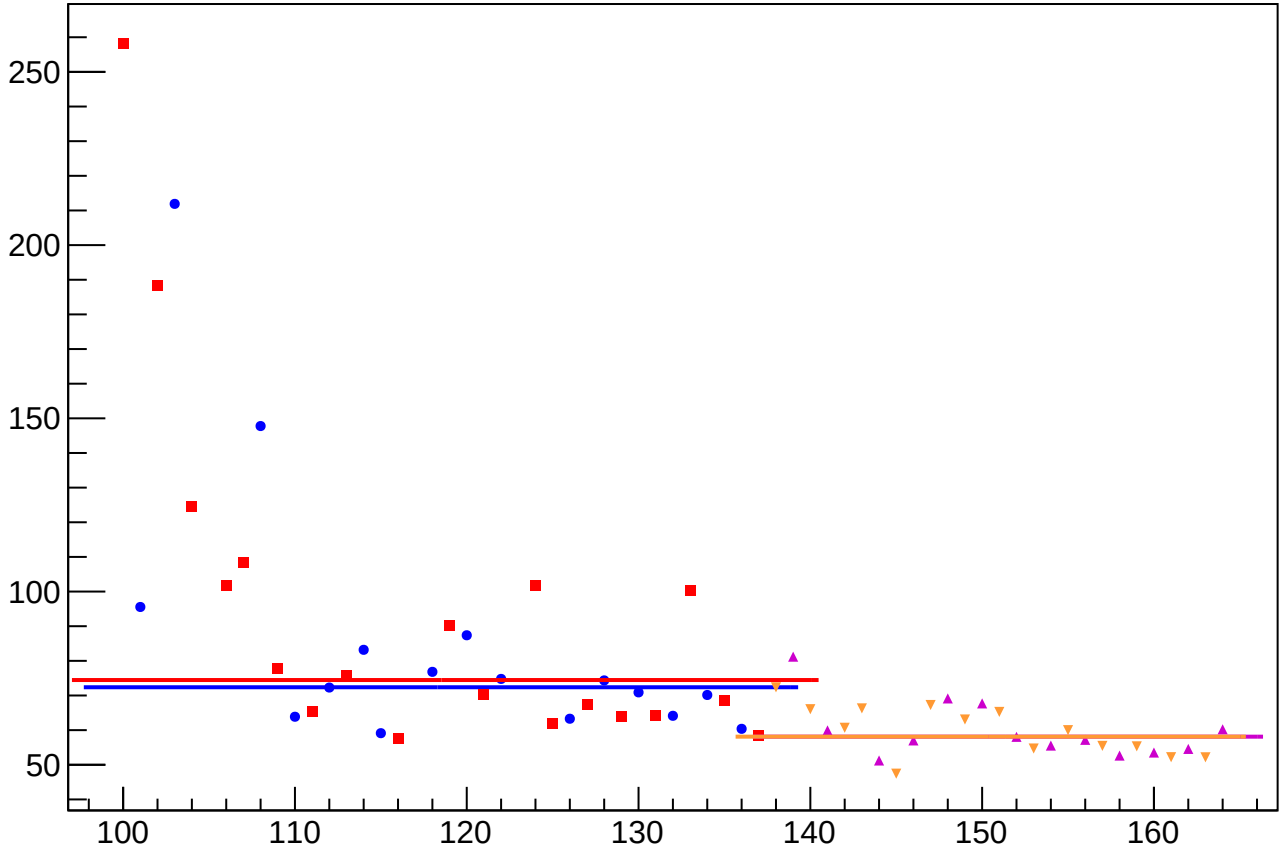
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -11.315+/-15.175 χ^2/NDF:45.4/28

Out: -7.362+/-15.094 χ^2/NDF:52.1/32

All: -9.328+/-10.702 χ^2/NDF: 97.5/61

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 58.120+/-0.013 χ^2/NDF:303737.1/13

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 58.115+/-0.013 χ^2/NDF:289370.5/12

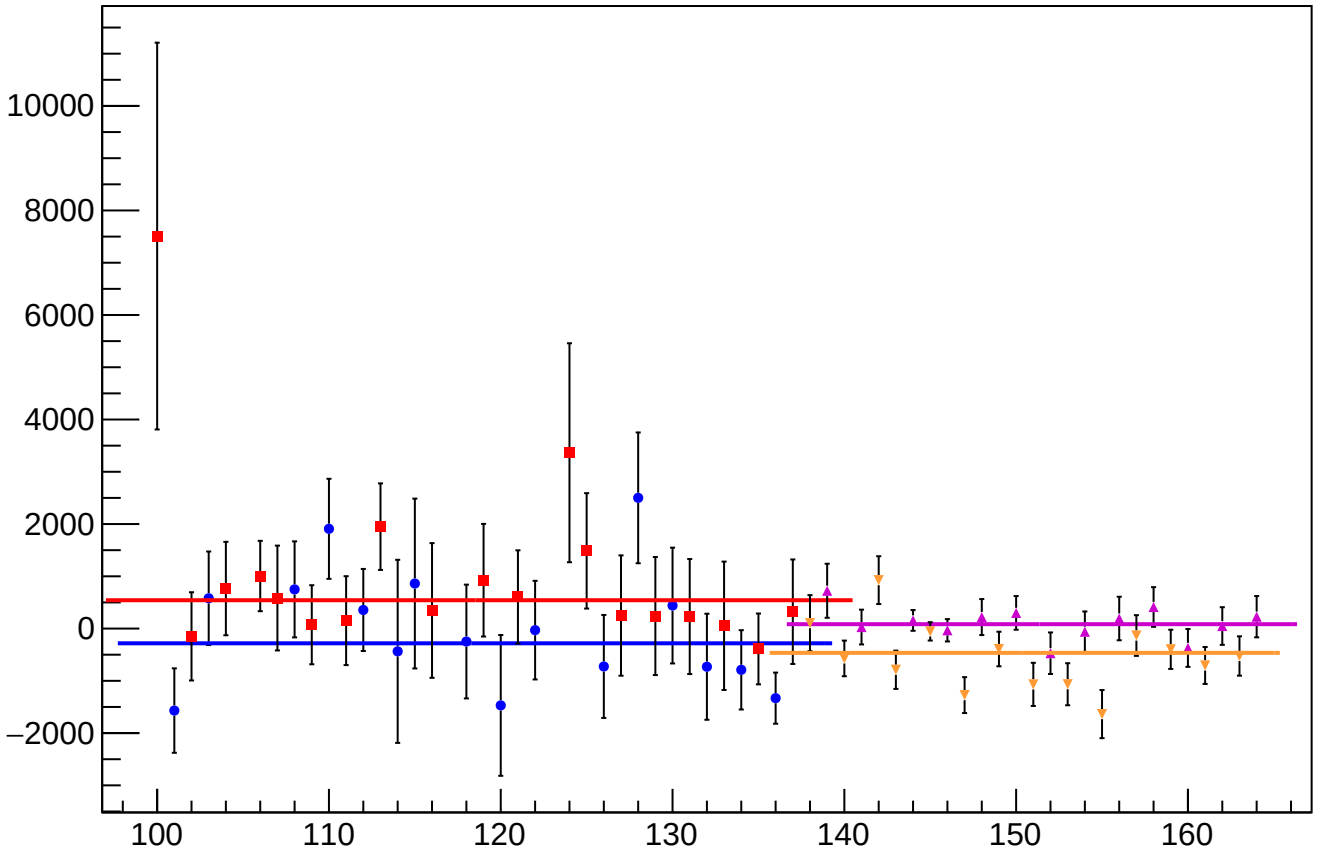
Left: 58.117+/-0.009 χ^2/NDF: 593107.7/26

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 62.212+/-0.011 χ^2/NDF:1589222.4/28

Out: 62.575+/-0.011 χ^2/NDF:1820989.4/32

All: 62.394+/-0.008 χ^2/NDF: 3410788.9/61



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -464.610+/-91.315 χ^2/NDF:34.4/13

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 83.940+/-89.287 χ^2/NDF:7.2/12

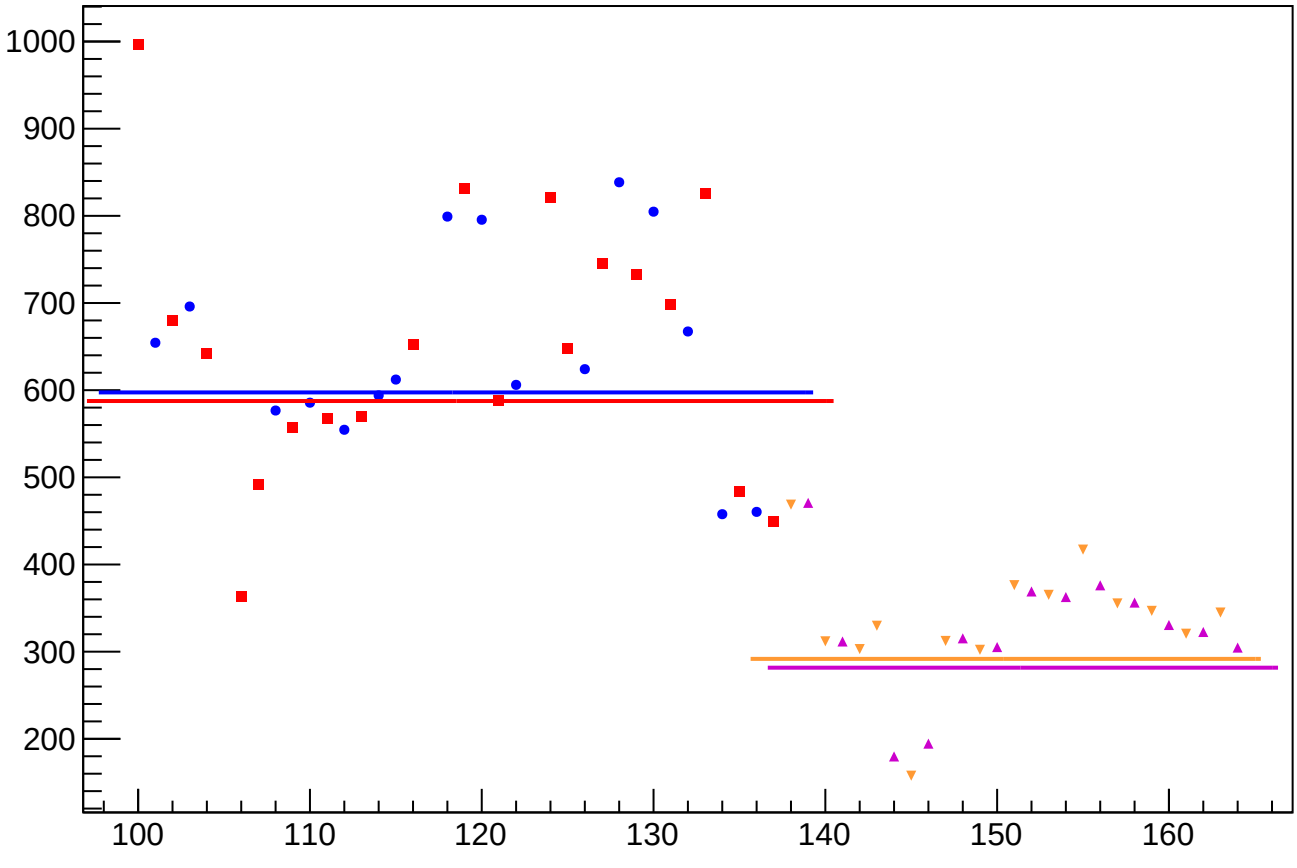
Left: -184.177+/-63.841 χ^2/NDF: 60.1/26

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 35.198+/-83.129 χ^2/NDF:32.3/28

Out: -317.704+/-84.389 χ^2/NDF:65.4/32

All: -138.599+/-59.222 χ^2/NDF: 106.5/61



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 291.730+/-0.065 χ^2/NDF:1872314.0/13

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 281.626+/-0.063 χ^2/NDF:1605120.0/12

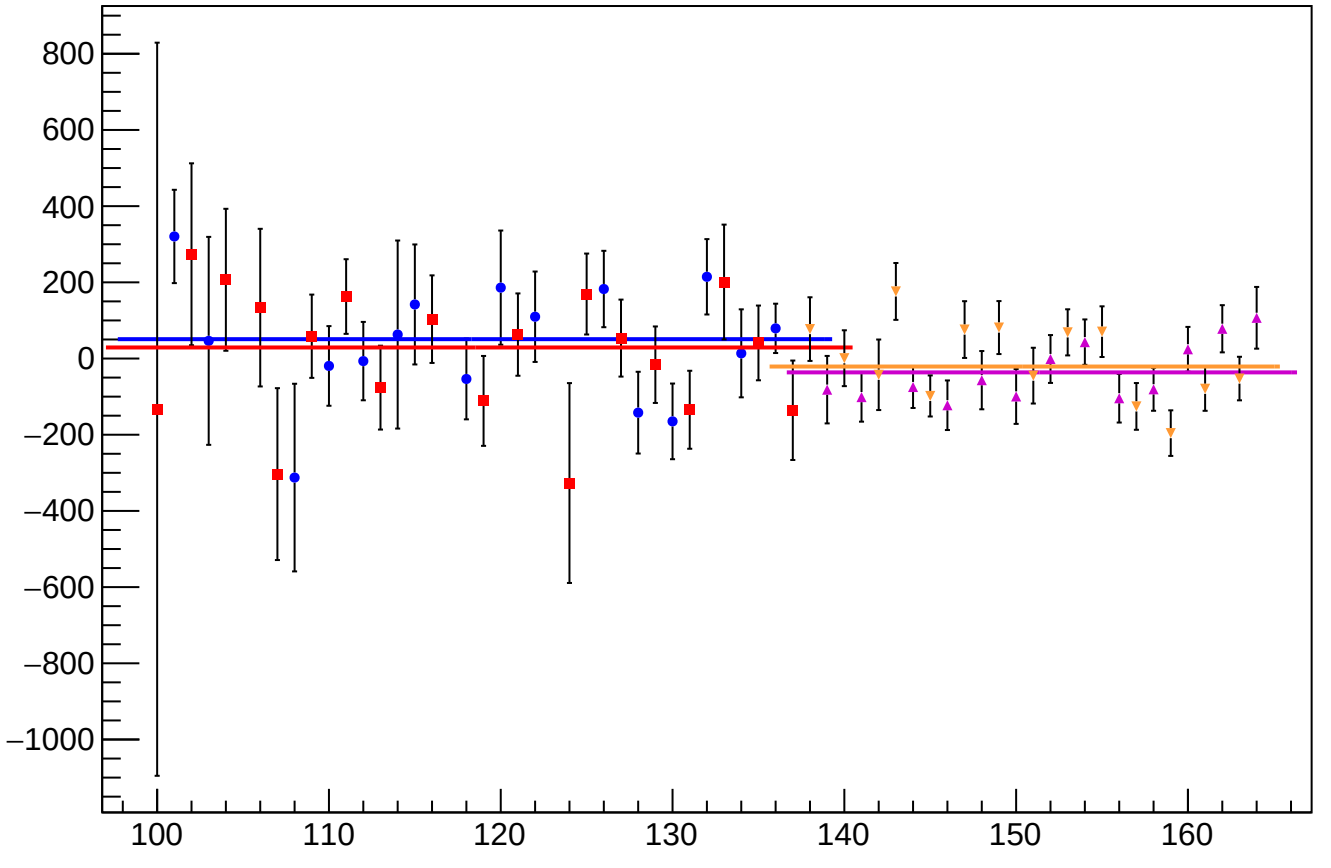
Left: 286.565+/-0.045 χ^2/NDF: 3489951.2/26

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 323.686+/-0.059 χ^2/NDF:5471245.9/28

Out: 334.903+/-0.060 χ^2/NDF:5624805.6/32

All: 329.211+/-0.042 χ^2/NDF: 11113984.5/61



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -21.003+/-17.698 χ^2/NDF:31.4/13

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -36.361+/-17.975 χ^2/NDF:15.8/12

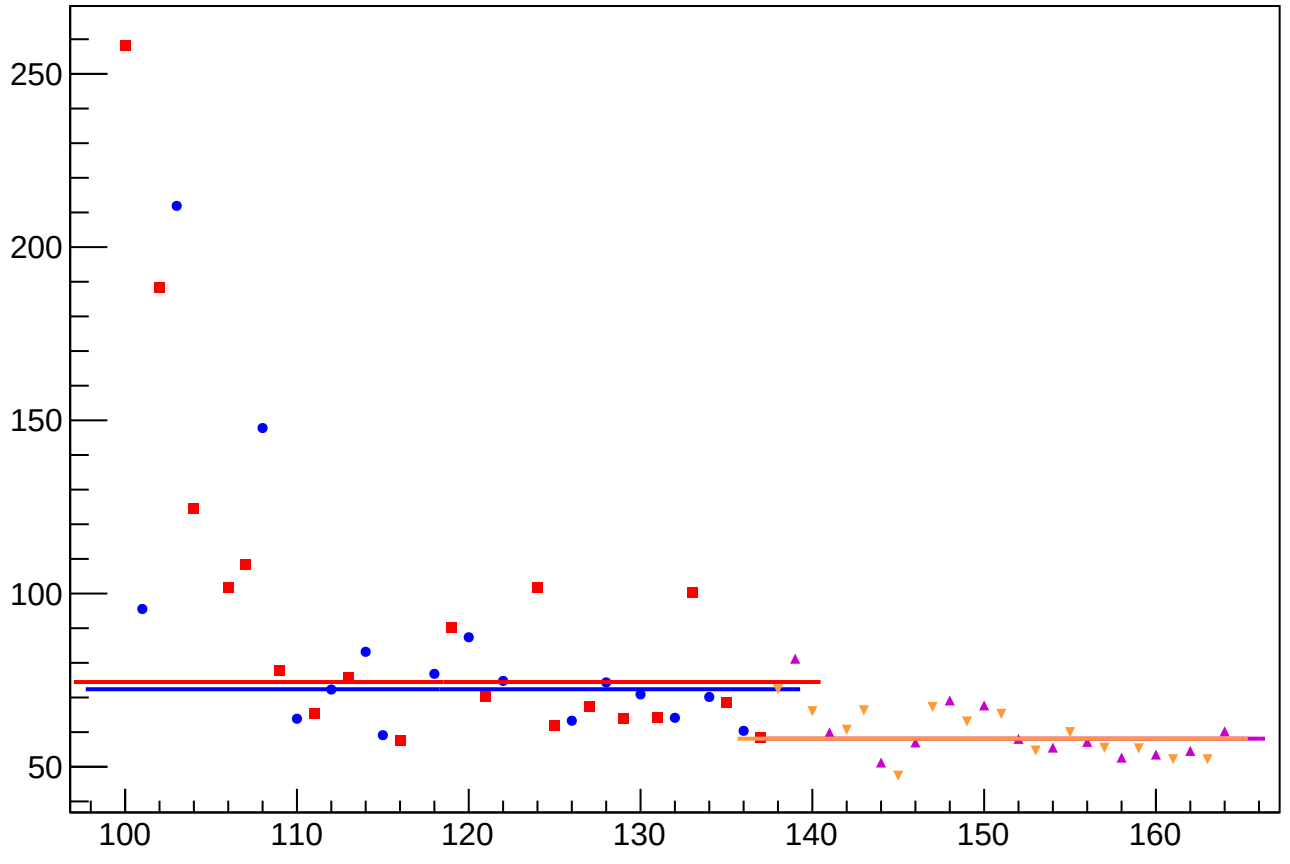
Left: -28.563+/-12.611 χ^2/NDF: 47.6/26

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -11.315+/-15.175 χ^2/NDF:45.4/28

Out: -7.361+/-15.094 χ^2/NDF:52.1/32

All: -9.328+/-10.702 χ^2/NDF: 97.5/61



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 58.120+/-0.013 χ^2/NDF:303751.3/13

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 58.115+/-0.013 χ^2/NDF:289374.2/12

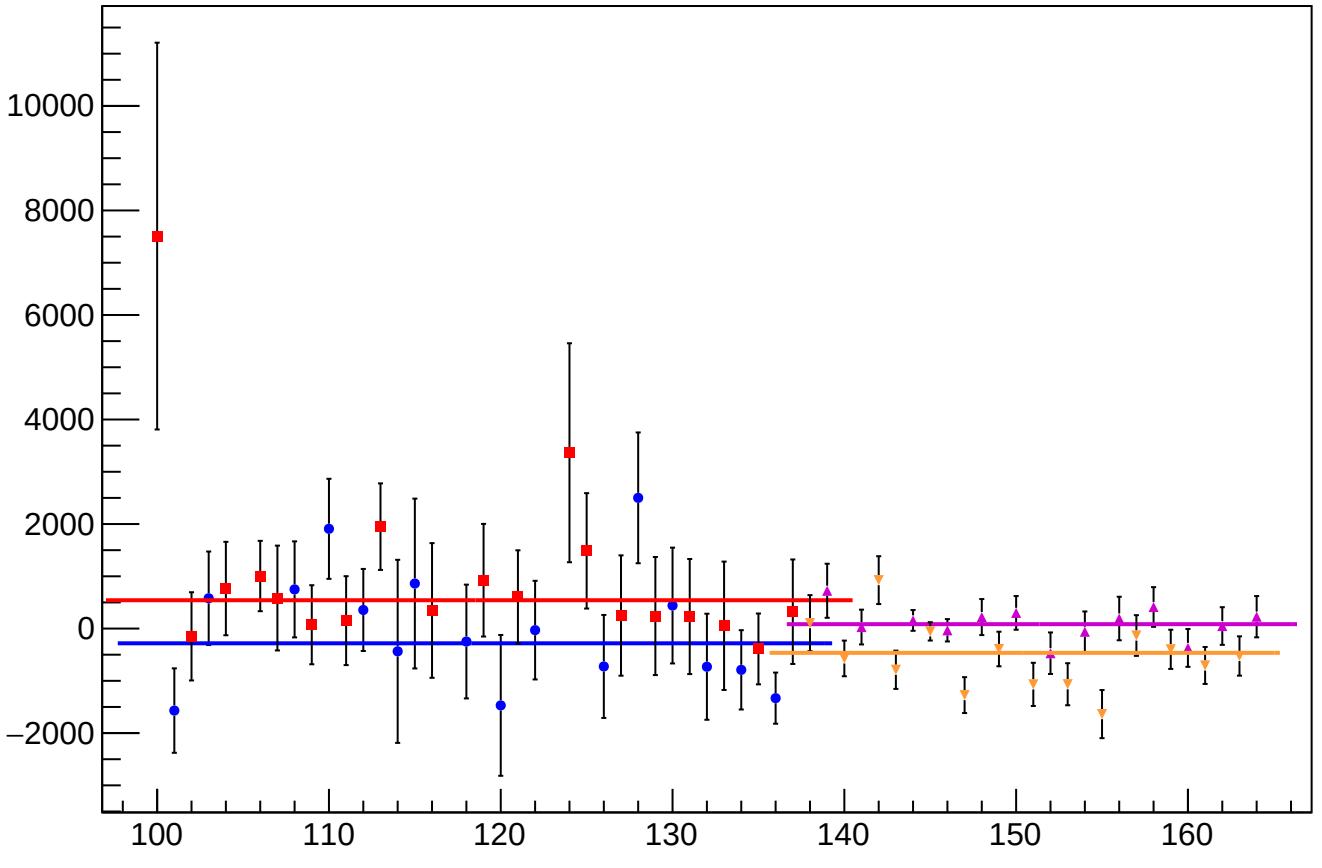
Left: 58.118+/-0.009 χ^2/NDF: 593125.6/26

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 62.212+/-0.011 χ^2/NDF:1589216.8/28

Out: 62.575+/-0.011 χ^2/NDF:1820982.6/32

All: 62.394+/-0.008 χ^2/NDF: 3410776.5/61



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -464.610+/-91.315 χ^2/NDF:34.4/13

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 83.939+/-89.287 χ^2/NDF:7.2/12

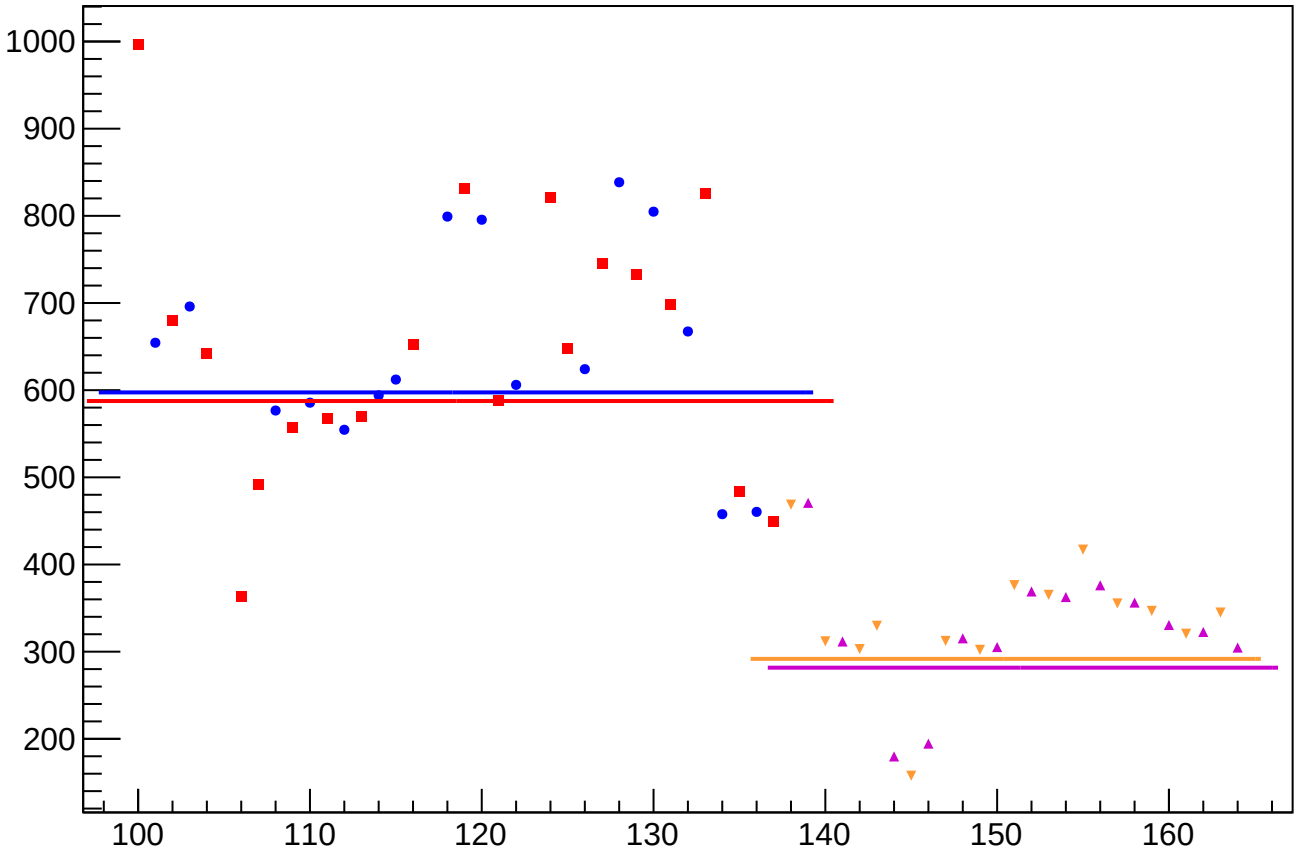
Left: -184.178+/-63.840 χ^2/NDF: 60.1/26

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 35.198+/-83.129 χ^2/NDF:32.3/28

Out: -317.705+/-84.389 χ^2/NDF:65.4/32

All: -138.599+/-59.222 χ^2/NDF: 106.5/61



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 291.730+/-0.065 χ^2/NDF:1872303.1/13

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 281.626+/-0.063 χ^2/NDF:1605113.4/12

Left: 286.564+/-0.045 χ^2/NDF: 3489934.0/26

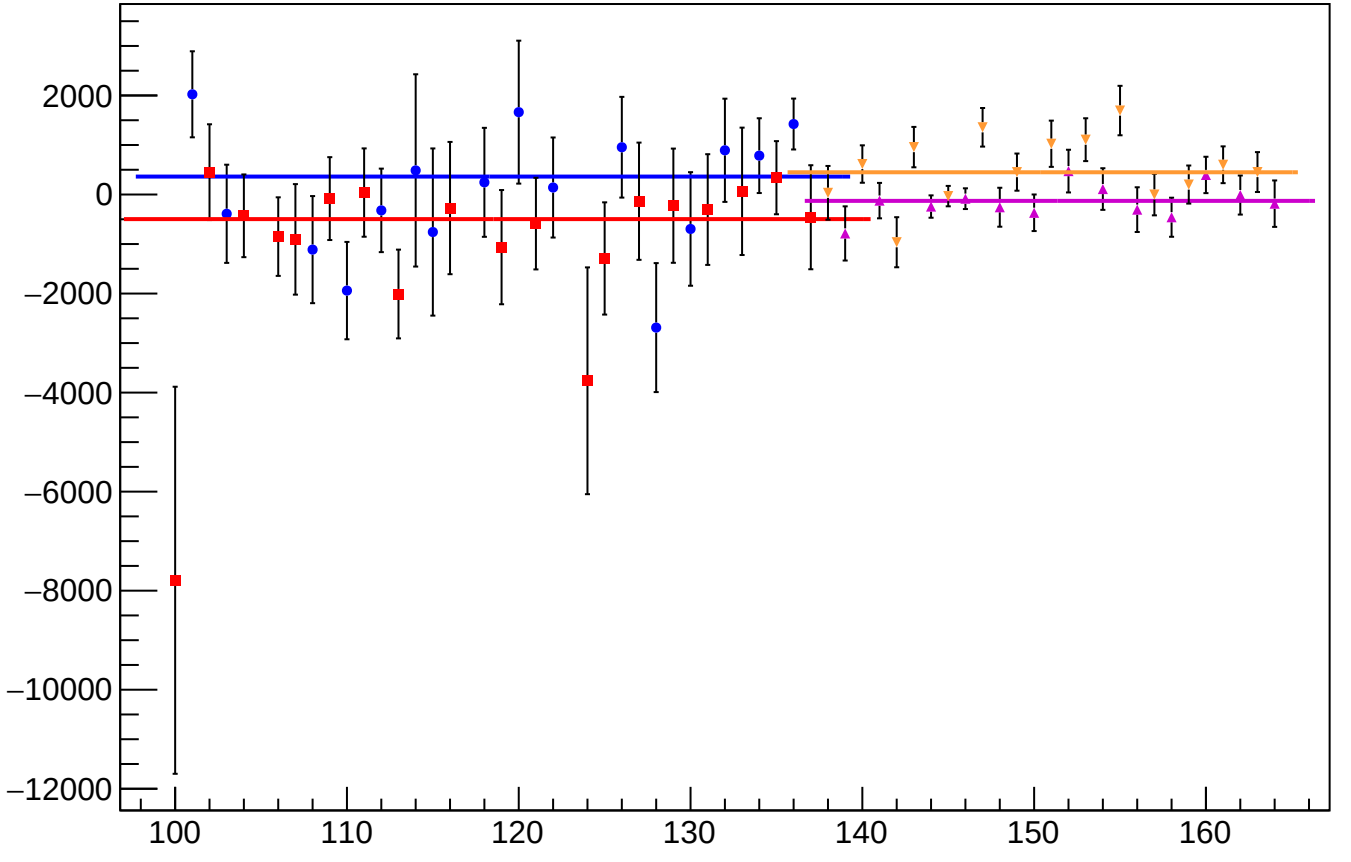
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 323.686+/-0.059 χ^2/NDF:5471248.1/28

Out: 334.903+/-0.060 χ^2/NDF:5624794.7/32

All: 329.210+/-0.042 χ^2/NDF: 11113976.0/61

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 449.213+/-101.352 χ^2/NDF:32.8/13

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -128.421+/-96.178 χ^2/NDF:7.5/12

Left: 145.277+/-69.765 χ^2/NDF: 57.5/26

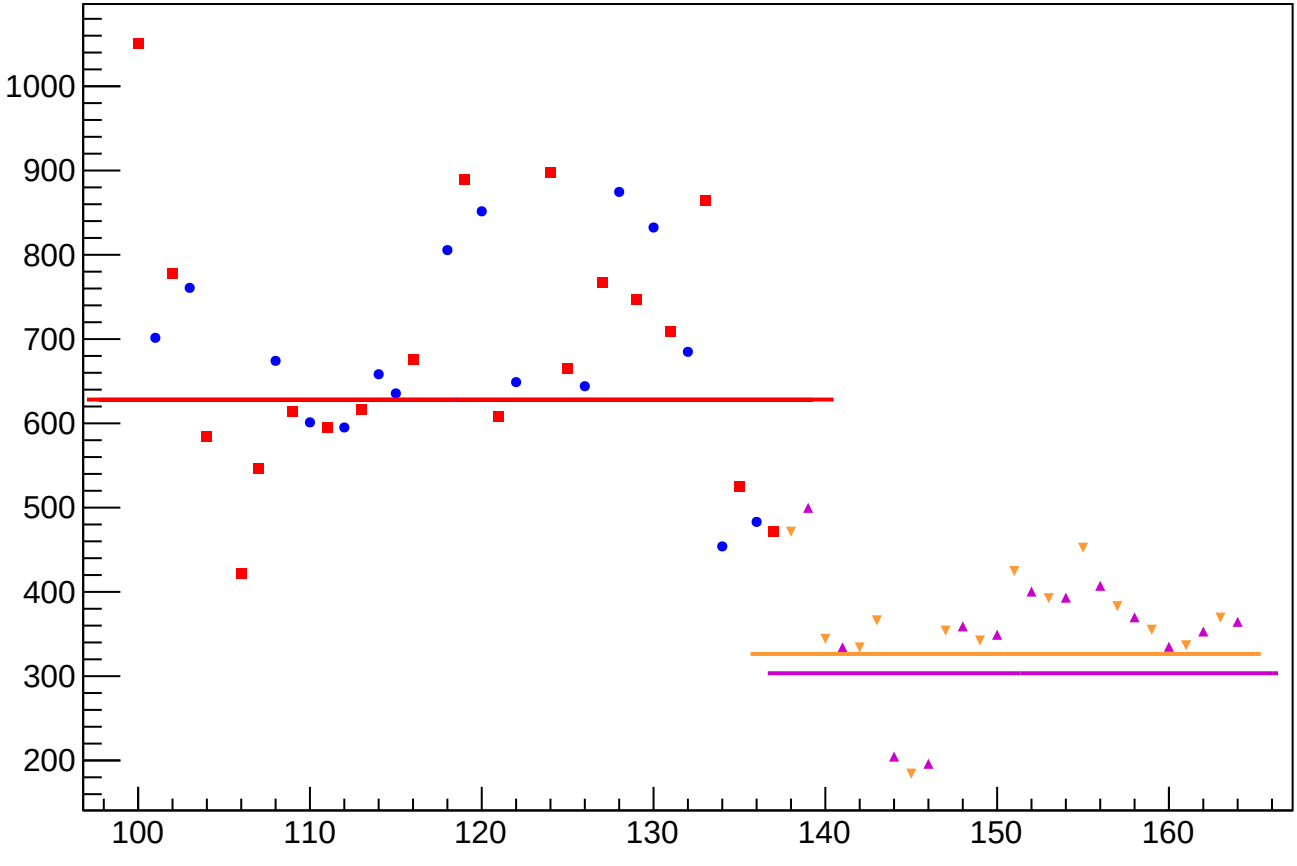
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -60.655+/-89.292 χ^2/NDF:36.2/28

Out: 301.961+/-93.129 χ^2/NDF:59.1/32

All: 113.029+/-64.453 χ^2/NDF: 103.2/61

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 326.373+/-0.072 χ^2/NDF:1466231.8/13

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 303.464+/-0.068 χ^2/NDF:1686960.3/12

Left: 314.319+/-0.049 χ^2/NDF: 3206959.2/26

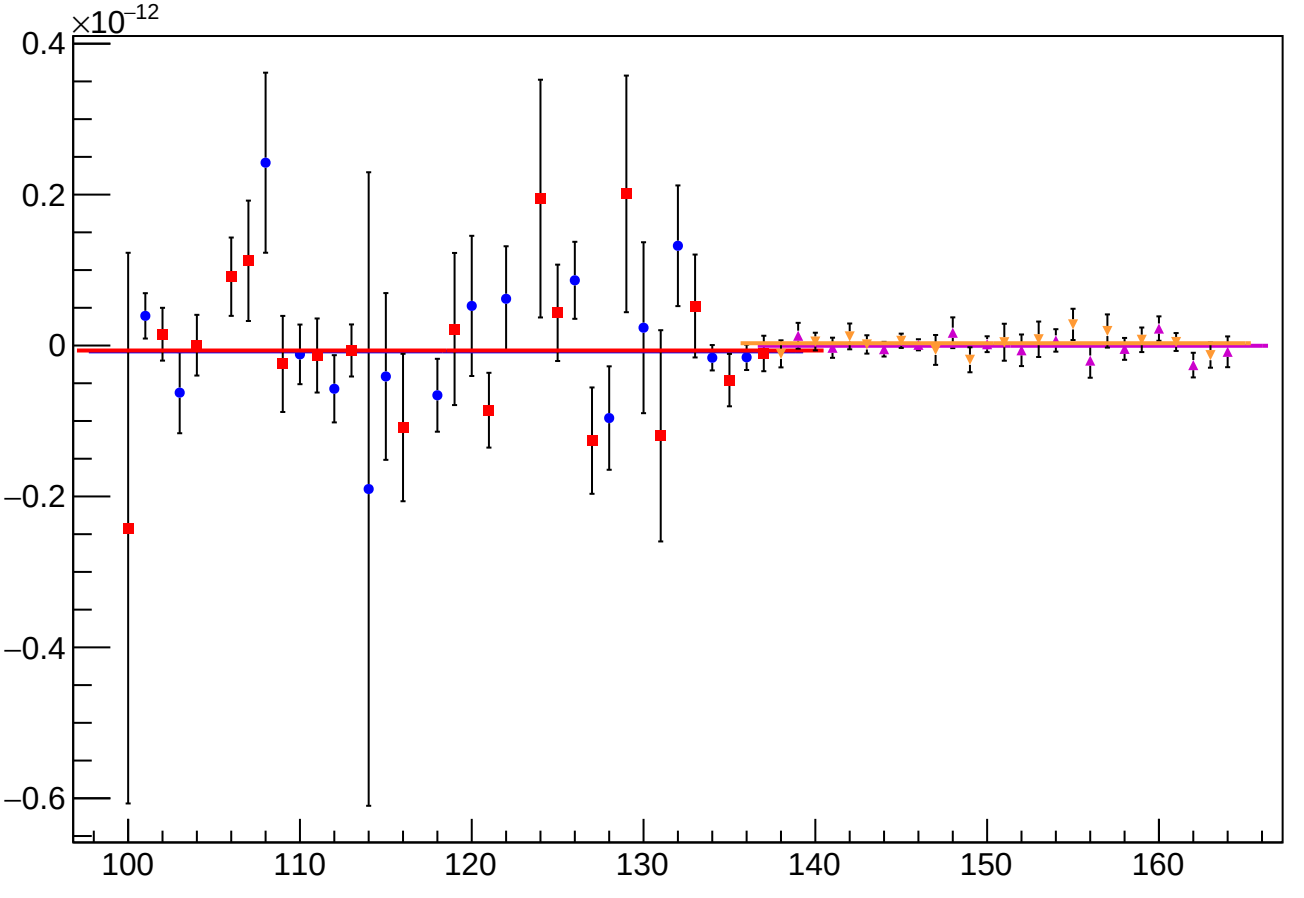
Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 348.259+/-0.063 χ^2/NDF:5395932.3/28

Out: 373.370+/-0.066 χ^2/NDF:4799480.4/32

All: 360.286+/-0.046 χ^2/NDF: 10271175.1/61

asym_sam_37_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/12

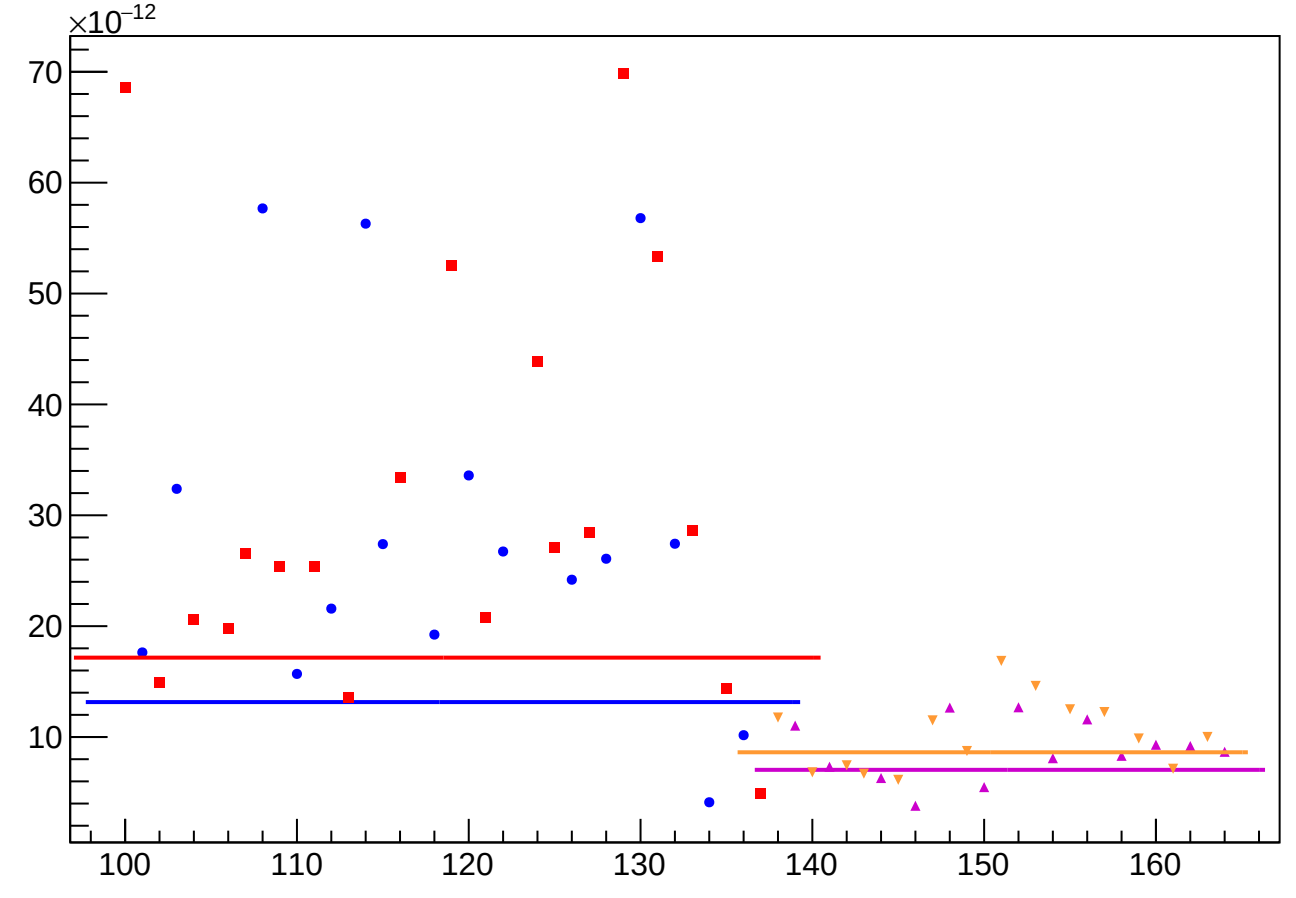
Left: 0.000+/-0.000 χ^2/NDF: 13.8/26

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:28.9/28

Out: 0.000+/-0.000 χ^2/NDF:26.7/32

All: 0.000+/-0.000 χ^2/NDF: 56.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:885084.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1042577.1/12

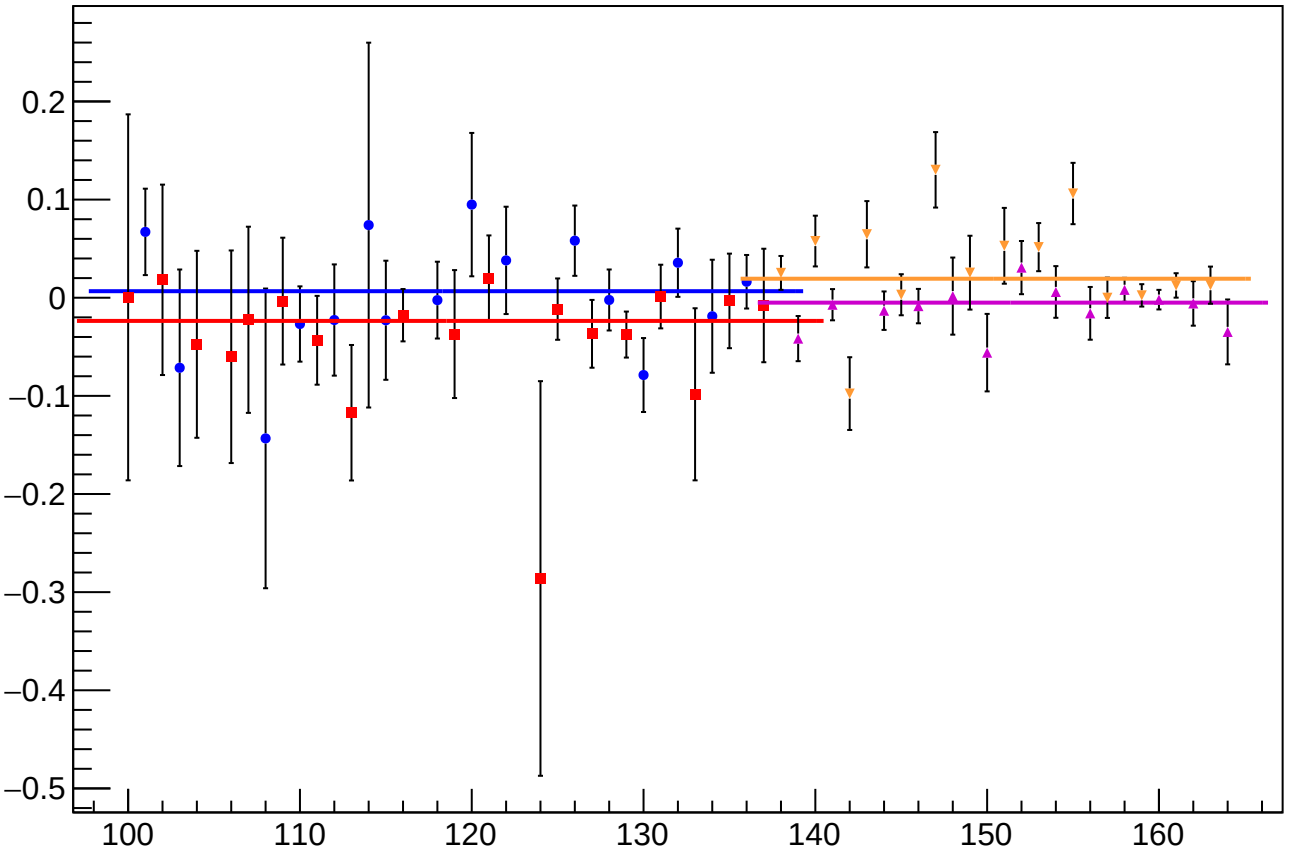
Left: 0.000+/-0.000 χ^2/NDF: 2093268.9/26

Right: 0.000+/-0.000 χ^2/NDF: 3874616.1/34

In: 0.000+/-0.000 χ^2/NDF:3861653.6/28

Out: 0.000+/-0.000 χ^2/NDF:3504994.0/32

All: 0.000+/-0.000 χ^2/NDF: 7585598.0/61



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.006 χ^2/NDF:36.8/13

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.005 χ^2/NDF:8.6/12

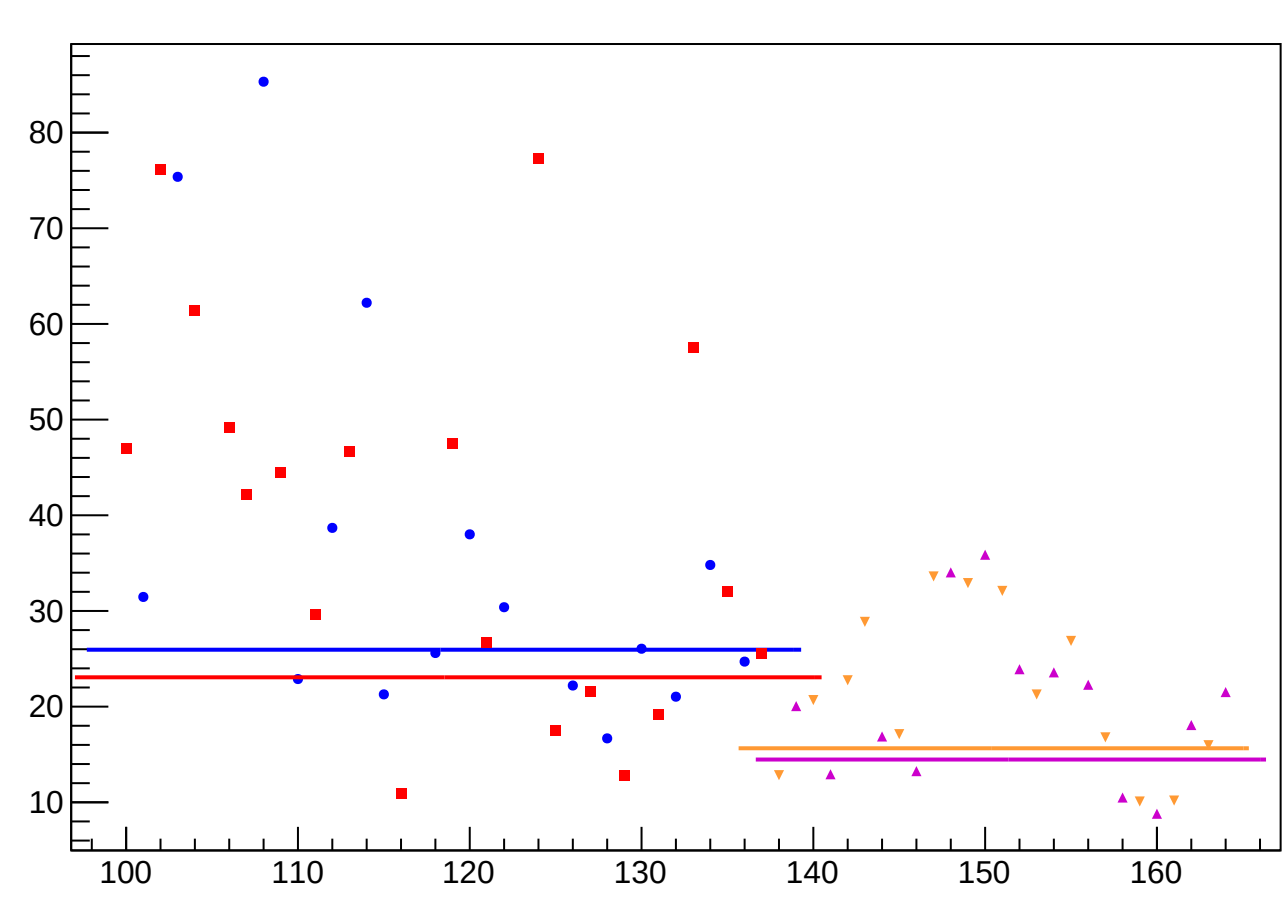
Left: 0.006+/-0.004 χ^2/NDF: 55.7/26

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.005 χ^2/NDF:24.5/28

Out: 0.010+/-0.005 χ^2/NDF:57.4/32

All: 0.003+/-0.003 χ^2/NDF: 85.6/61



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 15.648+/-0.004 χ^2/NDF:2969732.6/13

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 14.471+/-0.004 χ^2/NDF:2909128.0/12

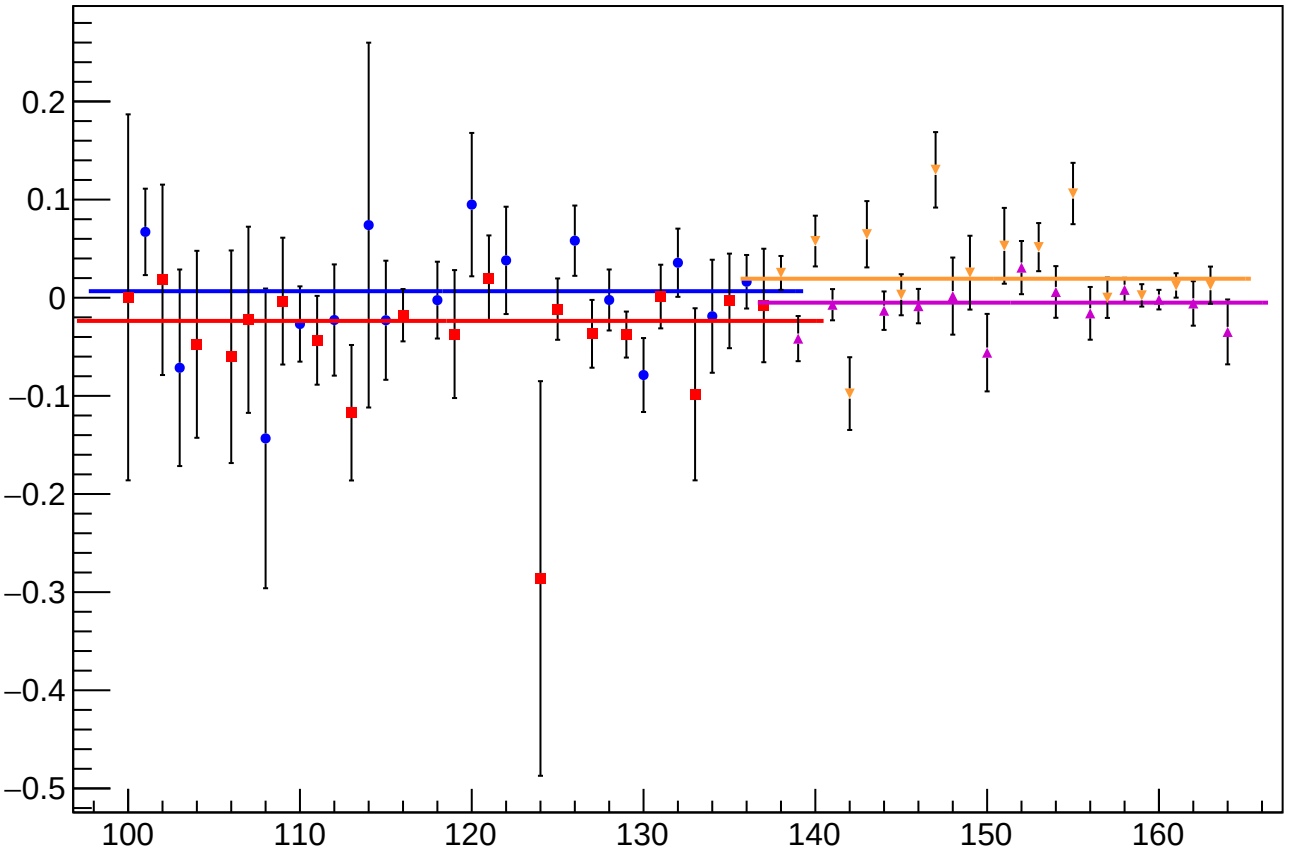
Left: 15.025+/-0.003 χ^2/NDF: 5926887.0/26

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 16.545+/-0.003 χ^2/NDF:6042984.0/28

Out: 17.254+/-0.003 χ^2/NDF:7112185.7/32

All: 16.888+/-0.002 χ^2/NDF: 13176949.0/61



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.006 χ^2/NDF:36.8/13

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.005 χ^2/NDF:8.6/12

Left: 0.006+/-0.004 χ^2/NDF: 55.7/26

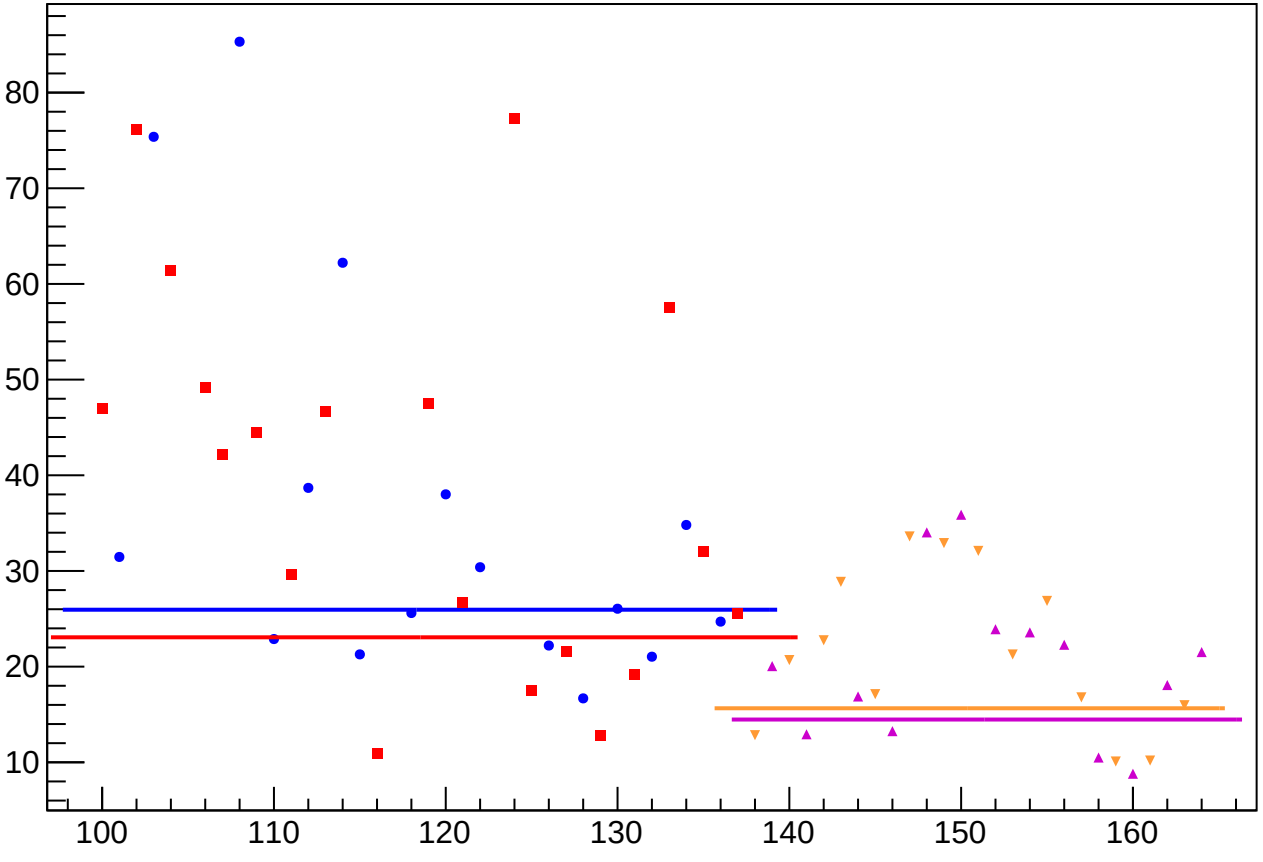
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.005 χ^2/NDF:24.5/28

Out: 0.010+/-0.005 χ^2/NDF:57.4/32

All: 0.003+/-0.003 χ^2/NDF: 85.6/61

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 15.648+/-0.004 χ^2/NDF:2969732.6/13

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 14.471+/-0.004 χ^2/NDF:2909128.0/12

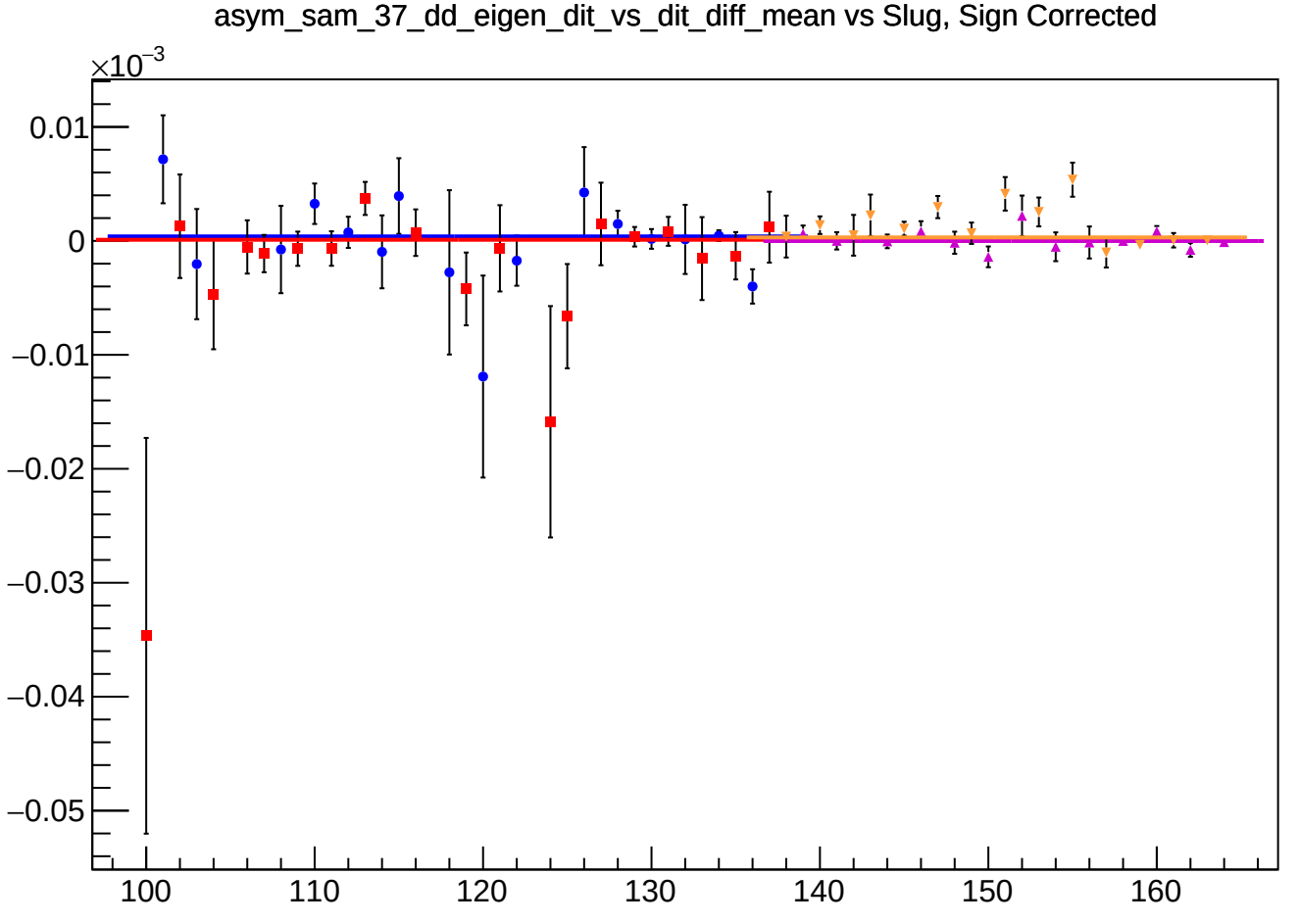
Left: 15.025+/-0.003 χ^2/NDF: 5926887.0/26

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 16.545+/-0.003 χ^2/NDF:6042984.0/28

Out: 17.254+/-0.003 χ^2/NDF:7112185.7/32

All: 16.888+/-0.002 χ^2/NDF: 13176949.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:11.1/12

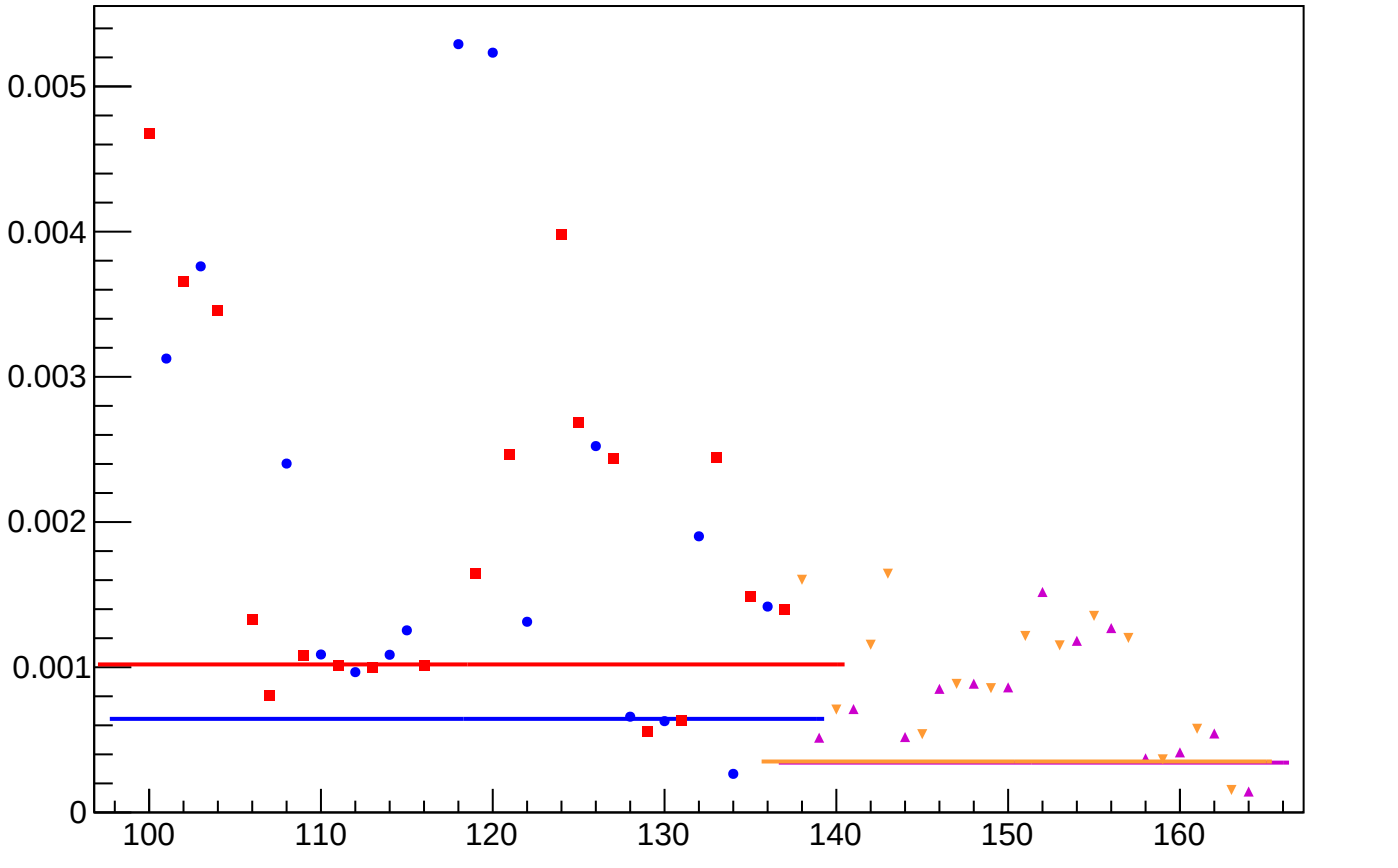
Left: 0.000+/-0.000 χ^2/NDF: 53.0/26

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:33.1/28

Out: 0.000+/-0.000 χ^2/NDF:60.1/32

All: 0.000+/-0.000 χ^2/NDF: 94.9/61



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9866001.2/13

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:7853194.6/12

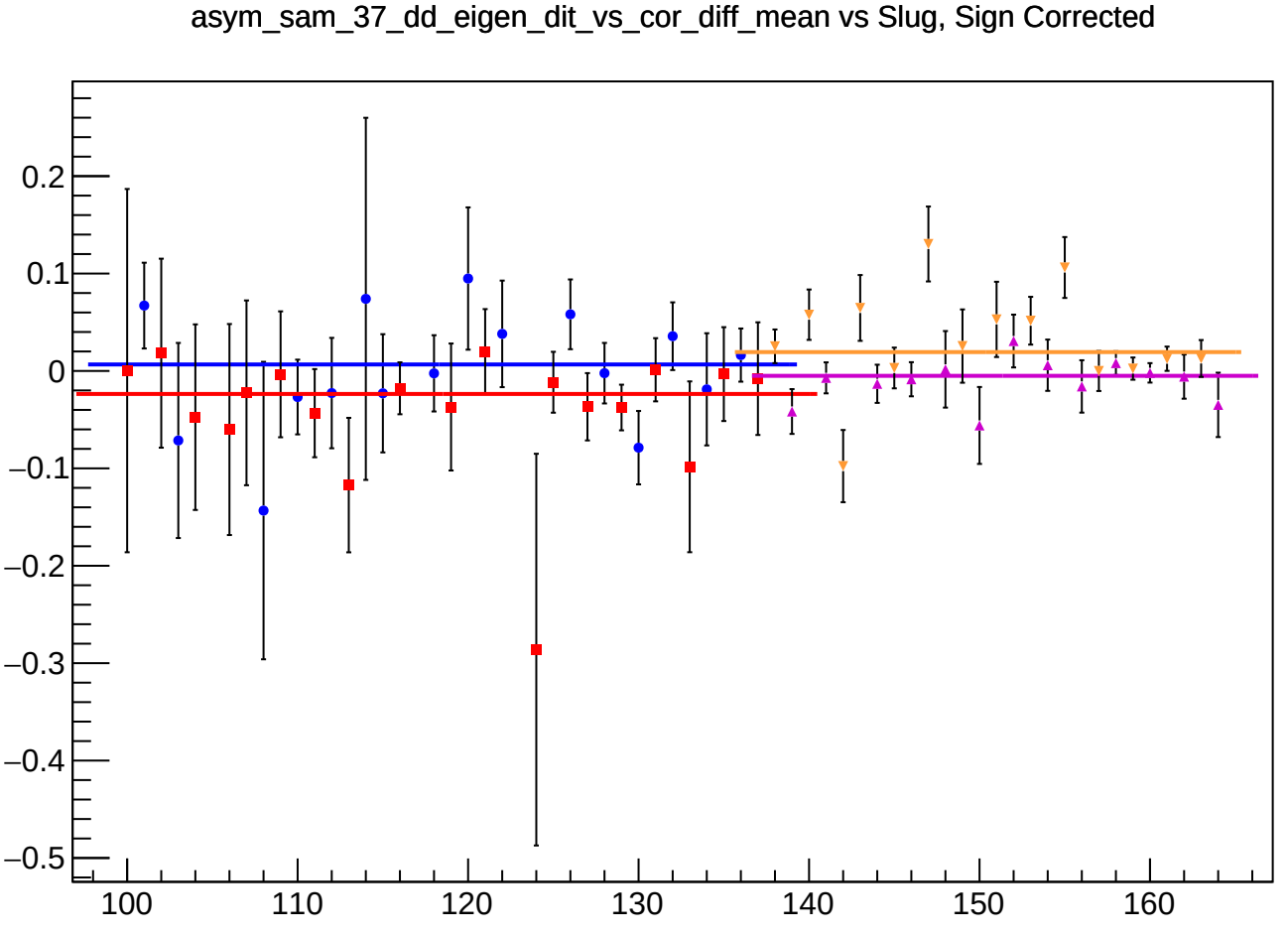
Left: 0.000+/-0.000 χ^2/NDF: 17722221.7/26

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:15781399.5/28

Out: 0.000+/-0.000 χ^2/NDF:17527043.0/32

All: 0.000+/-0.000 χ^2/NDF: 33355115.7/61



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.006 χ^2/NDF:36.8/13

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.005 χ^2/NDF:8.6/12

Left: 0.006+/-0.004 χ^2/NDF: 55.7/26

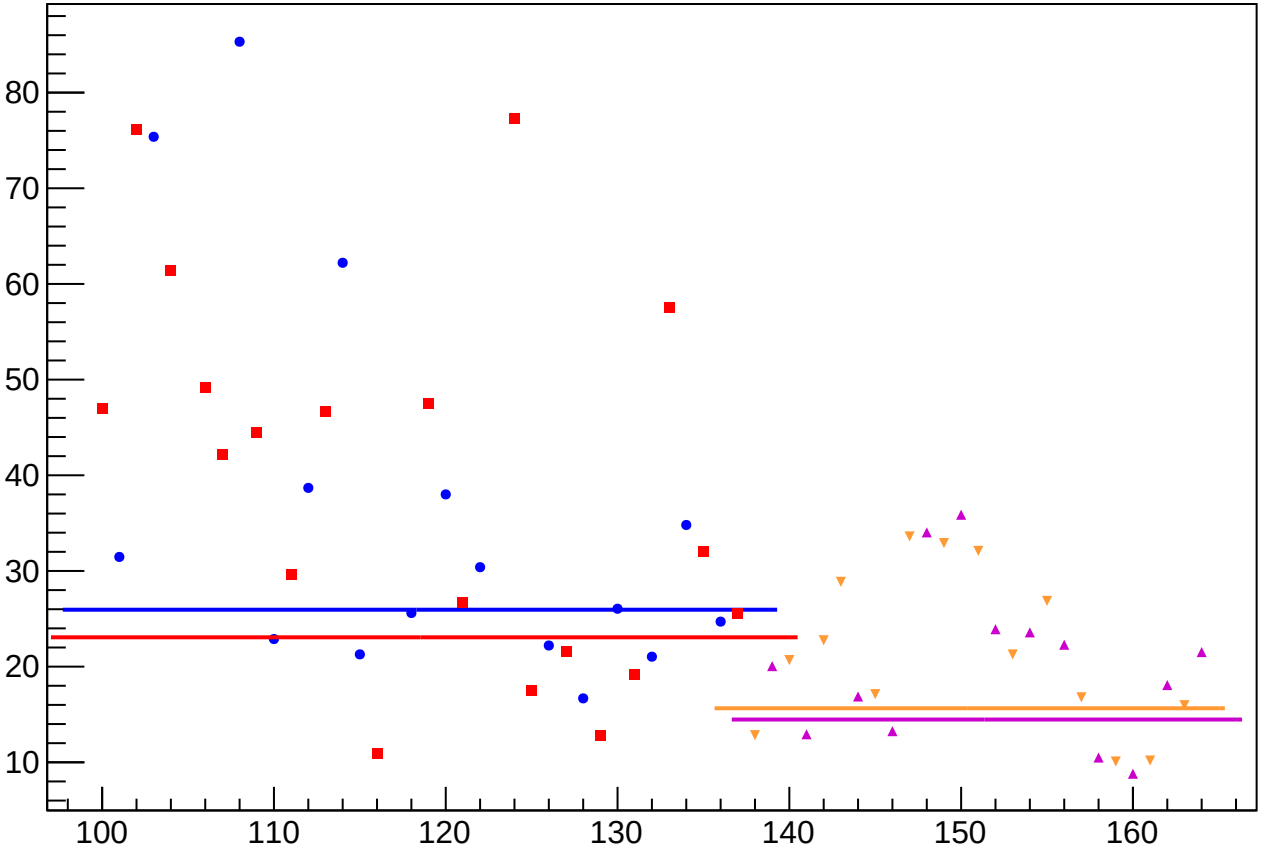
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.005 χ^2/NDF:24.5/28

Out: 0.010+/-0.005 χ^2/NDF:57.4/32

All: 0.003+/-0.003 χ^2/NDF: 85.6/61

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.648+/-0.004 χ^2/NDF:2969942.3/13

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.471+/-0.004 χ^2/NDF:2909290.3/12

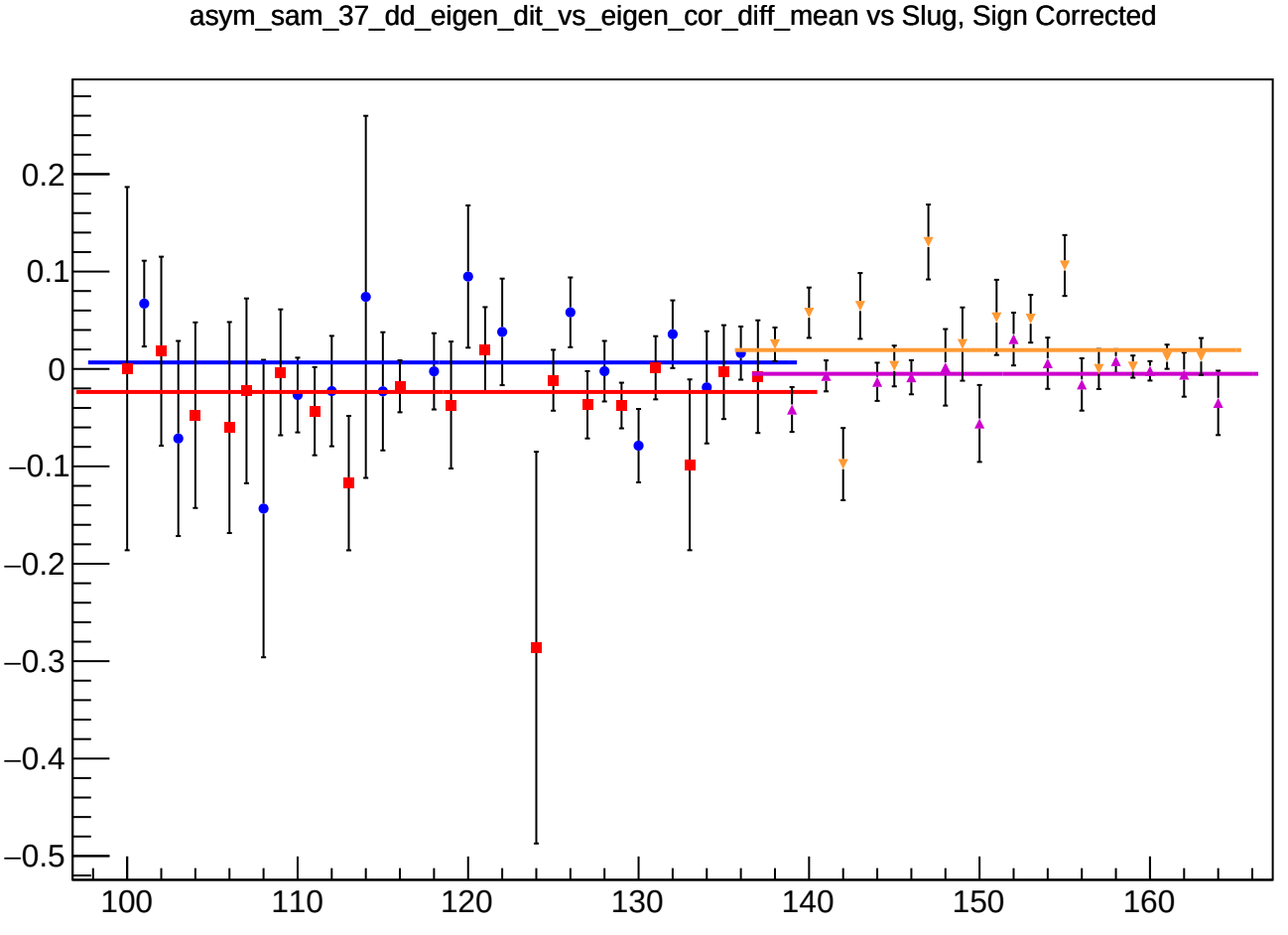
Left: 15.026+/-0.003 χ^2/NDF: 5927268.1/26

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 16.546+/-0.003 χ^2/NDF:6043159.0/28

Out: 17.255+/-0.003 χ^2/NDF:7112273.0/32

All: 16.888+/-0.002 χ^2/NDF: 13177219.7/61



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.006 χ^2/NDF:36.8/13

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.005+/-0.005 χ^2/NDF:8.6/12

Left: 0.006+/-0.004 χ^2/NDF: 55.7/26

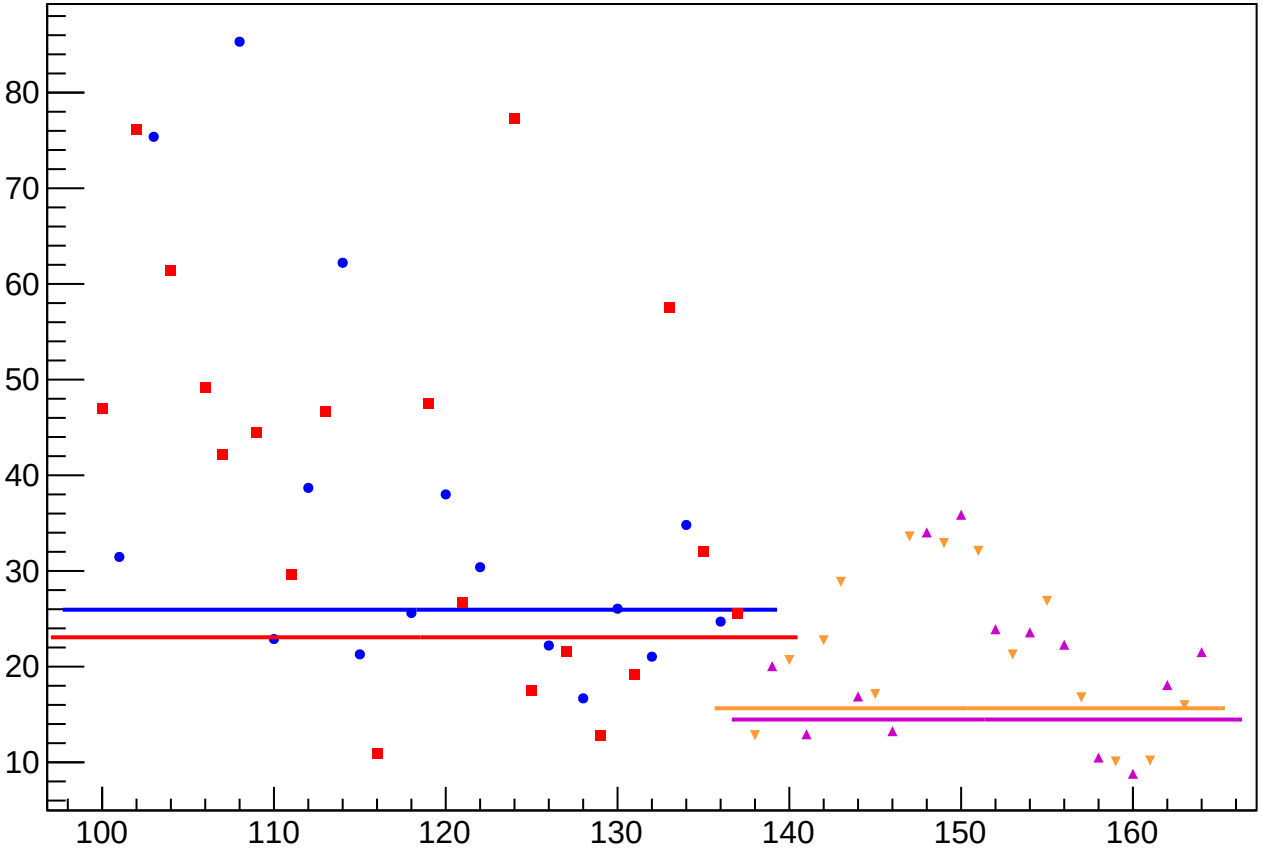
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.003+/-0.005 χ^2/NDF:24.5/28

Out: 0.010+/-0.005 χ^2/NDF:57.4/32

All: 0.003+/-0.003 χ^2/NDF: 85.6/61

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: 15.648+/-0.004 χ^2/NDF:2969942.3/13

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.471+/-0.004 χ^2/NDF:2909290.3/12

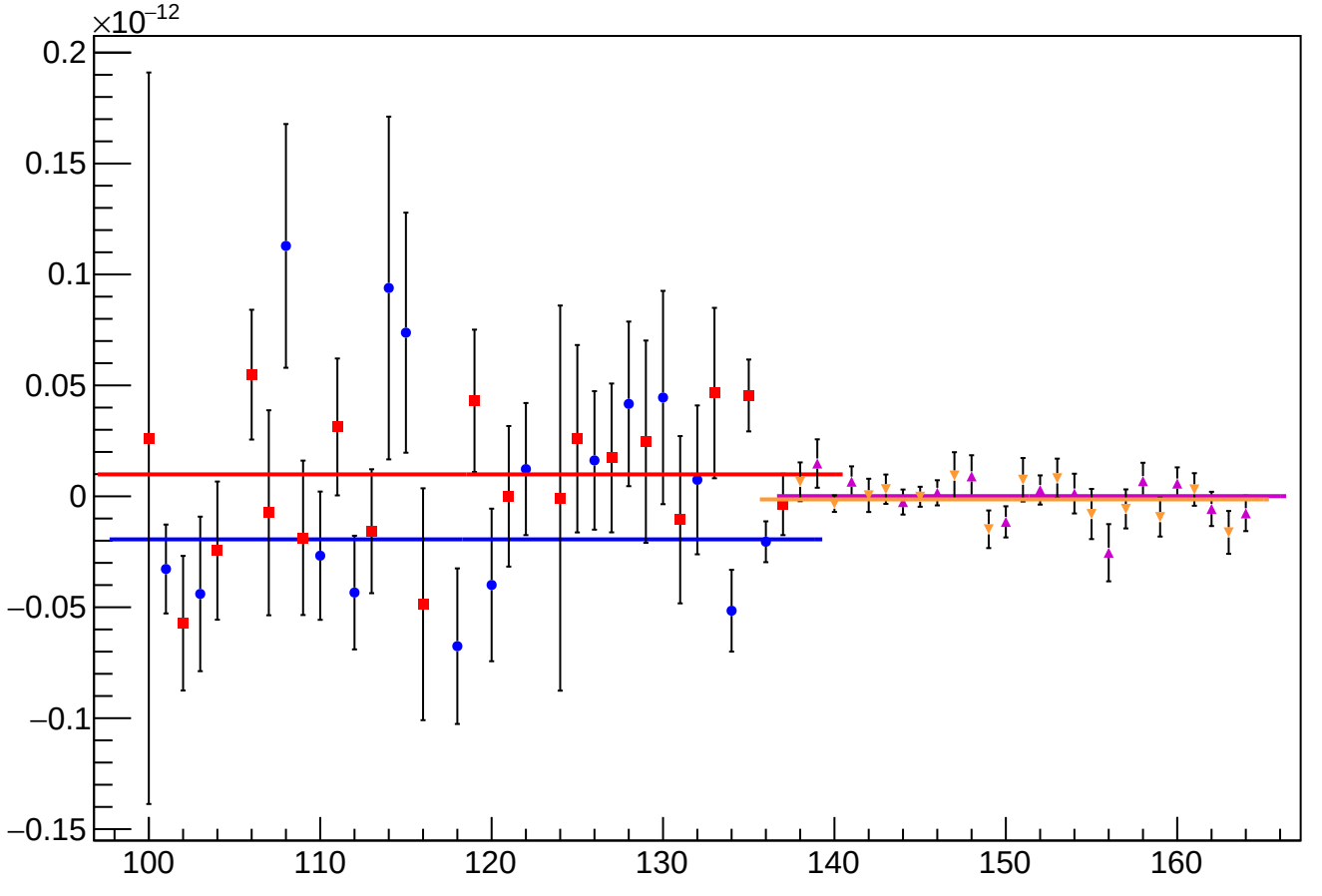
Left: 15.026+/-0.003 χ^2/NDF: 5927268.1/26

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 16.546+/-0.003 χ^2/NDF:6043159.0/28

Out: 17.255+/-0.003 χ^2/NDF:7112273.0/32

All: 16.888+/-0.002 χ^2/NDF: 13177219.7/61



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/12

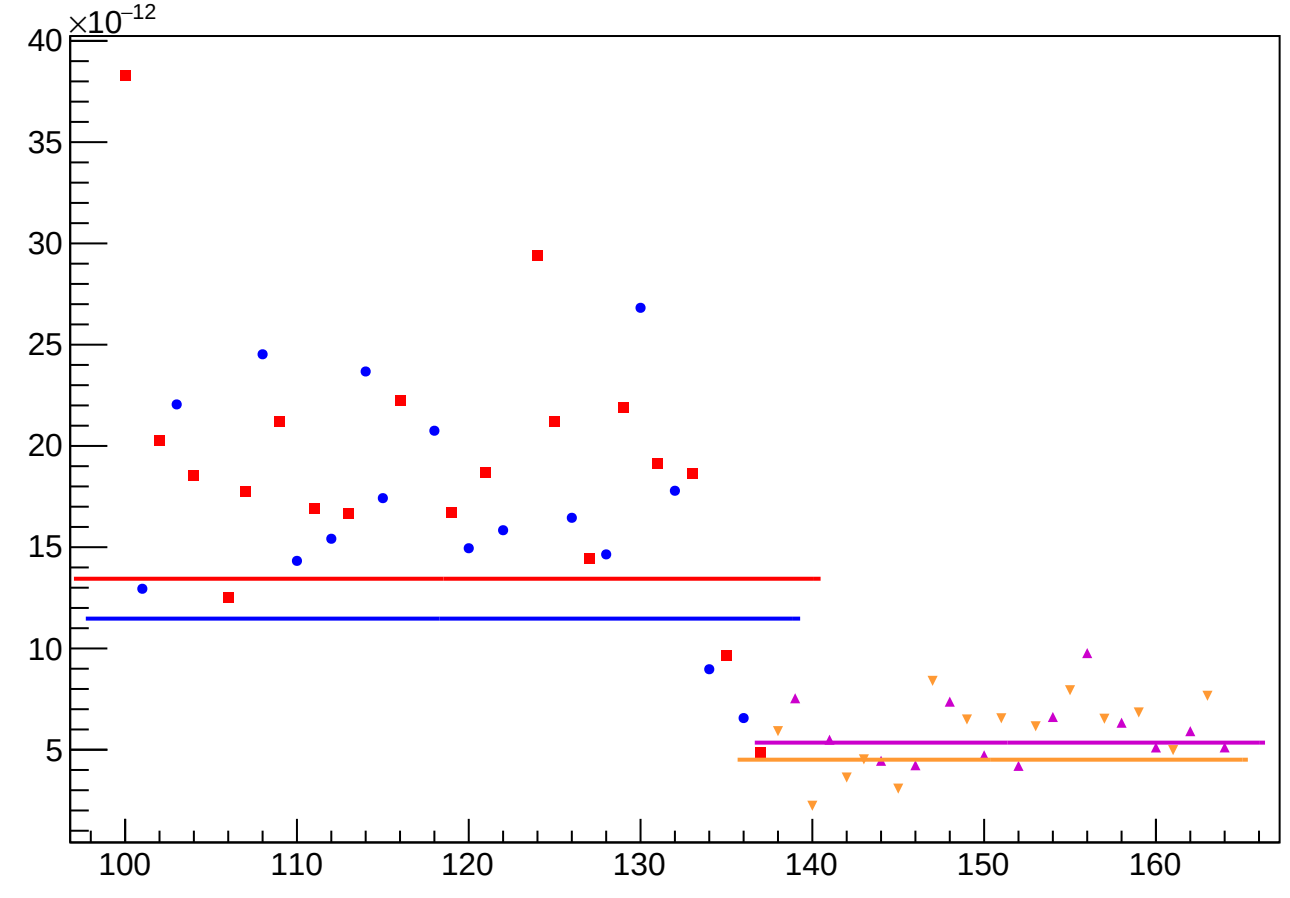
Left: -0.000+/-0.000 χ^2/NDF: 25.1/26

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:48.5/28

Out: -0.000+/-0.000 χ^2/NDF:34.3/32

All: -0.000+/-0.000 χ^2/NDF: 83.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2214938.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:694265.4/12

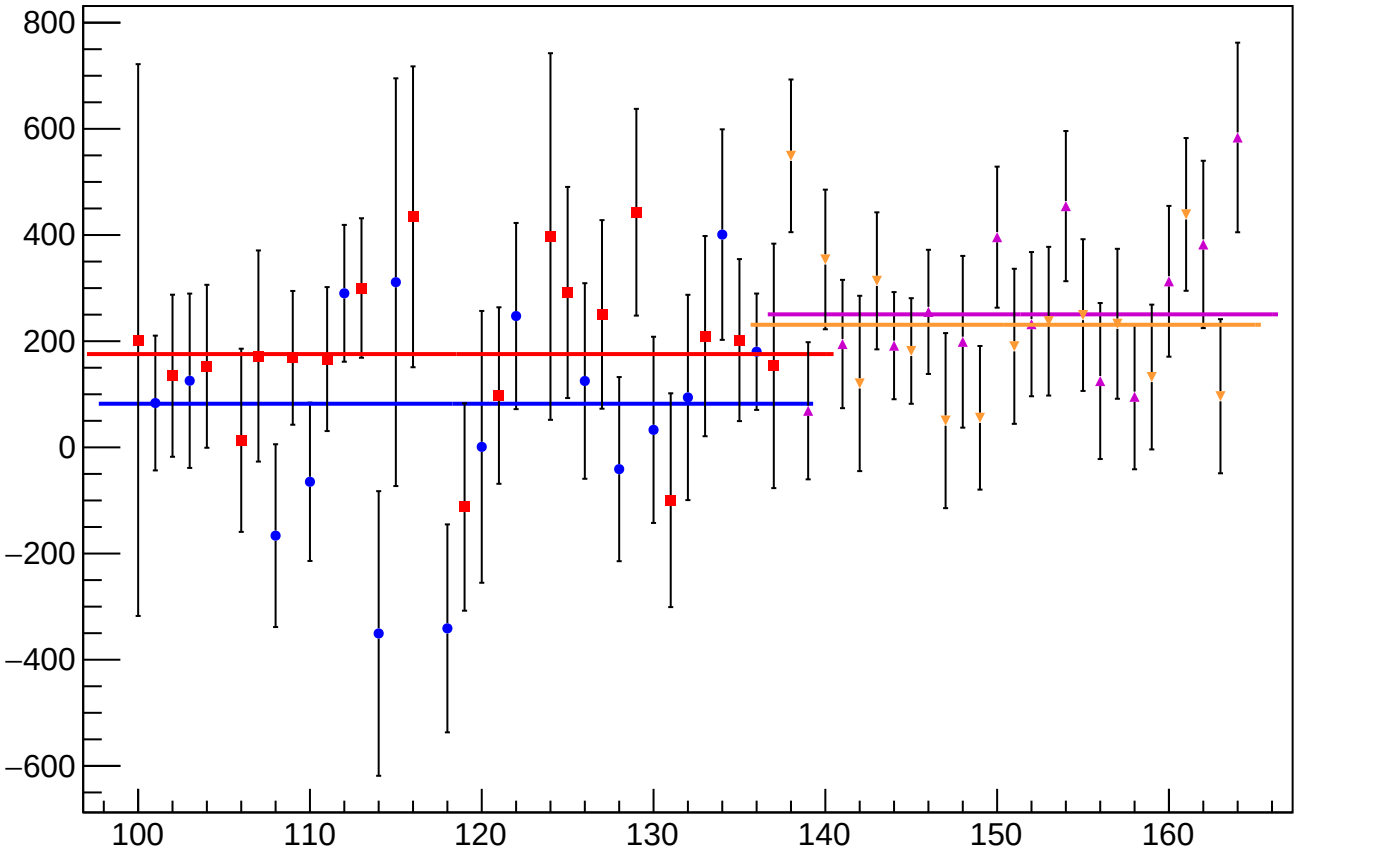
Left: 0.000+/-0.000 χ^2/NDF: 3089663.4/26

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:4134417.8/28

Out: 0.000+/-0.000 χ^2/NDF:7115626.8/32

All: 0.000+/-0.000 χ^2/NDF: 11456243.6/61



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 230.939+/-36.713 χ^2/NDF:13.3/13

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 250.584+/-37.271 χ^2/NDF:12.3/12

Left: 240.613+/-26.155 χ^2/NDF: 25.8/26

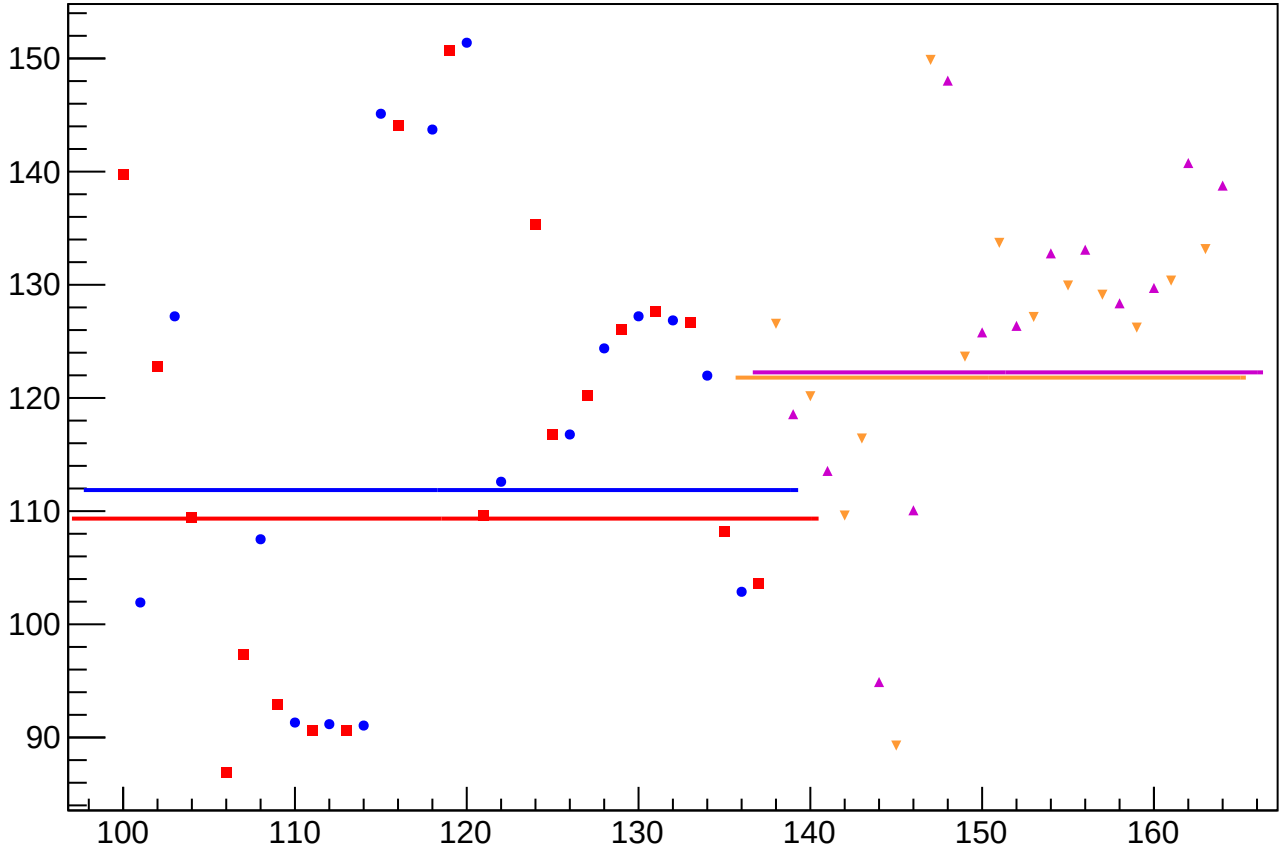
Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 176.661+/-27.916 χ^2/NDF:39.7/28

Out: 206.153+/-27.253 χ^2/NDF:24.2/32

All: 191.762+/-19.501 χ^2/NDF: 64.4/61

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.799+/-0.026 χ^2/NDF:338469.3/13

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 122.262+/-0.026 χ^2/NDF:310882.5/12

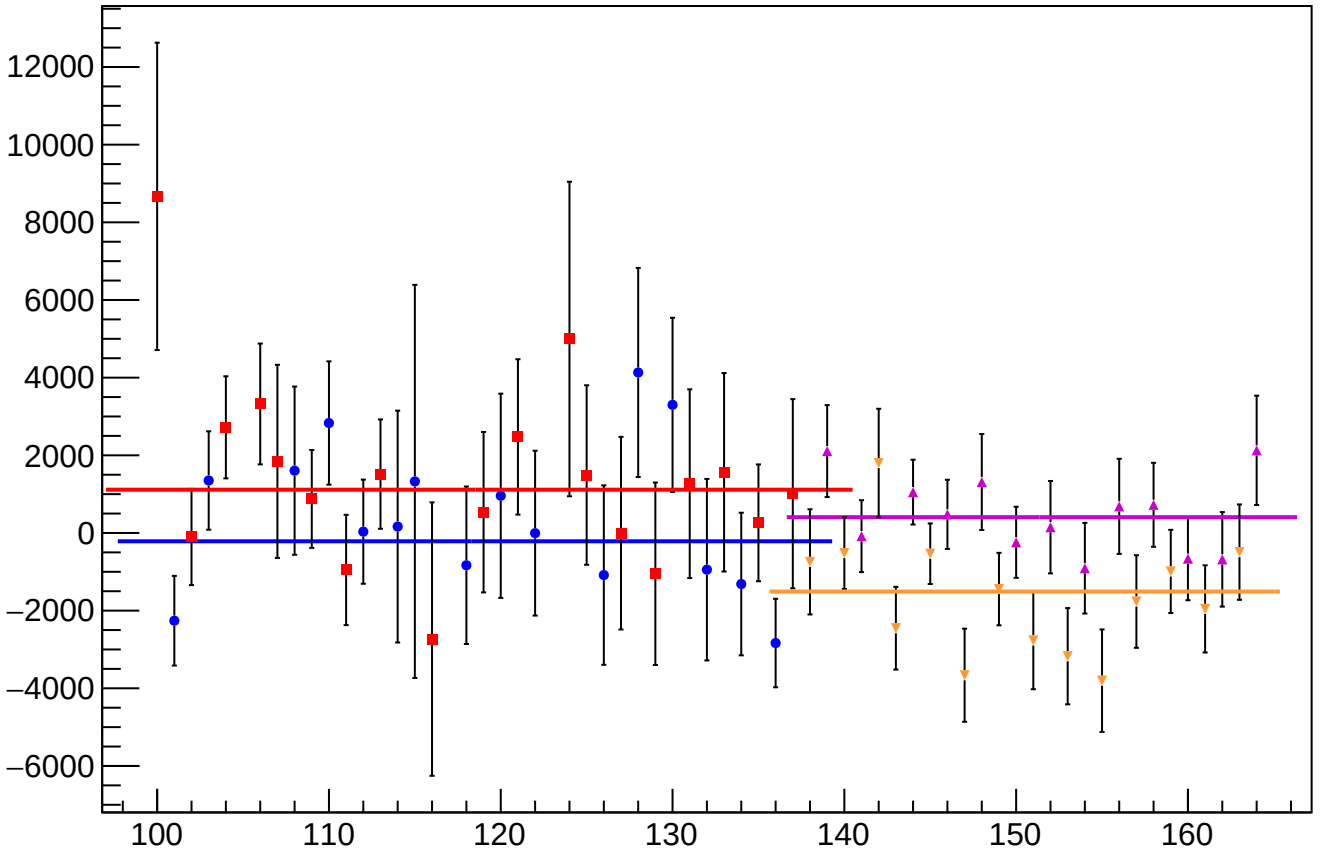
Left: 122.027+/-0.018 χ^2/NDF: 649508.7/26

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 117.696+/-0.020 χ^2/NDF:685266.3/28

Out: 116.205+/-0.019 χ^2/NDF:809090.4/32

All: 116.933+/-0.014 χ^2/NDF: 1497278.2/61



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1508.016+/-295.070 χ^2/NDF:19.6/13

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 406.699+/-295.662 χ^2/NDF:8.7/12

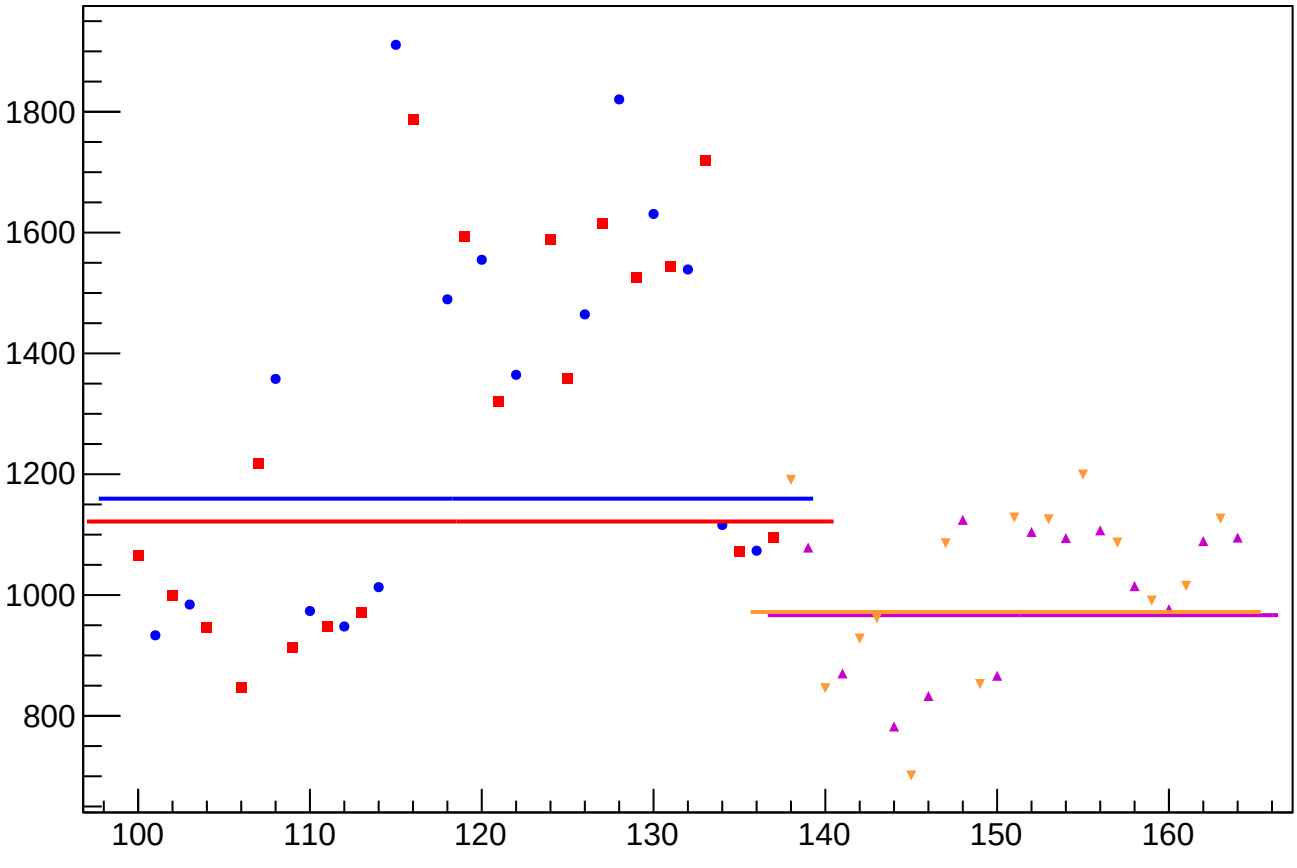
Left: -552.579+/-208.855 χ^2/NDF: 49.3/26

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 215.936+/-246.086 χ^2/NDF:30.5/28

Out: -649.649+/-242.015 χ^2/NDF:60.0/32

All: -224.076+/-172.551 χ^2/NDF: 96.8/61



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 971.993+/-0.209 χ^2/NDF:557547.3/13

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 966.728+/-0.209 χ^2/NDF:357024.8/12

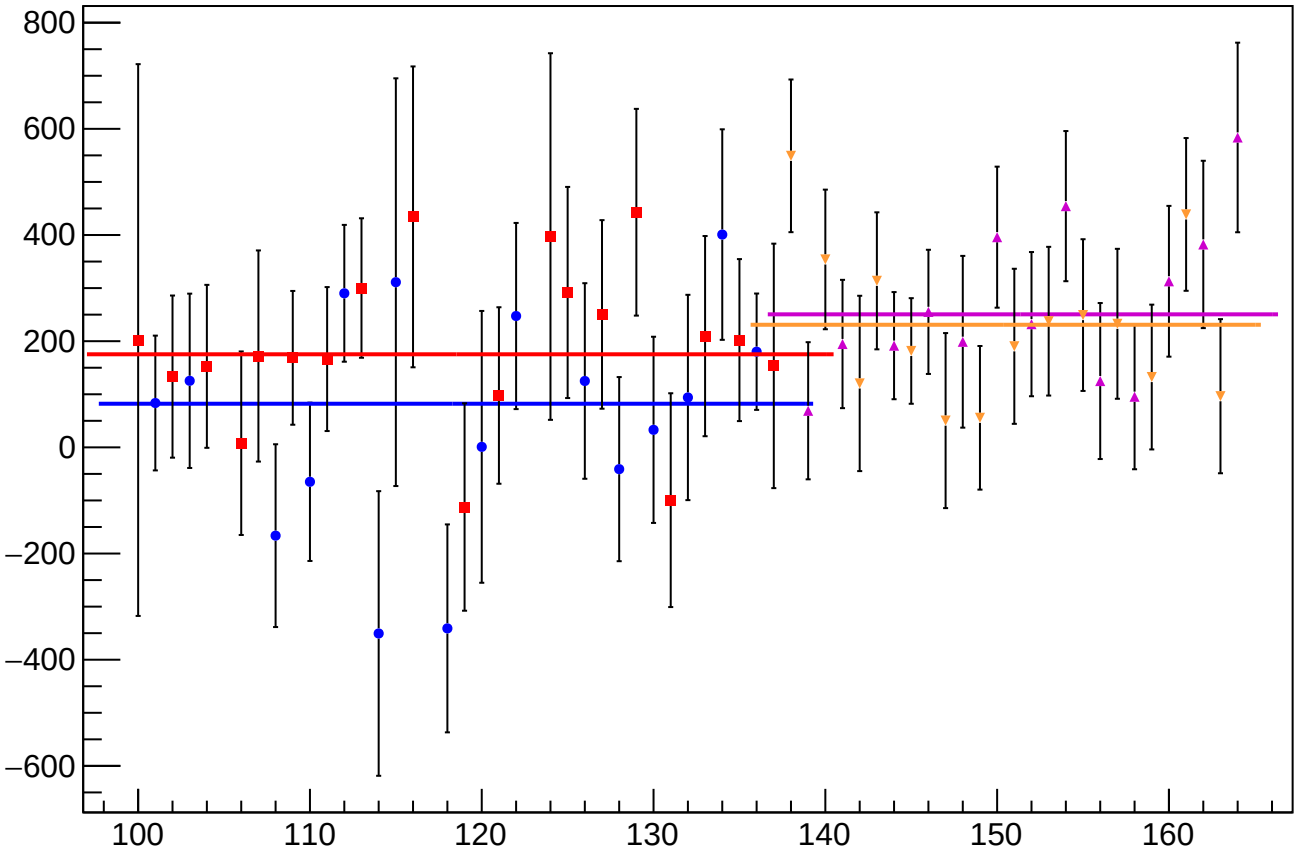
Left: 969.366+/-0.148 χ^2/NDF: 914889.8/26

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1025.976+/-0.174 χ^2/NDF:1302119.5/28

Out: 1021.006+/-0.171 χ^2/NDF:1508431.6/32

All: 1023.450+/-0.122 χ^2/NDF: 2810965.8/61



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 230.942+/-36.713 χ^2/NDF:13.3/13

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 250.586+/-37.271 χ^2/NDF:12.3/12

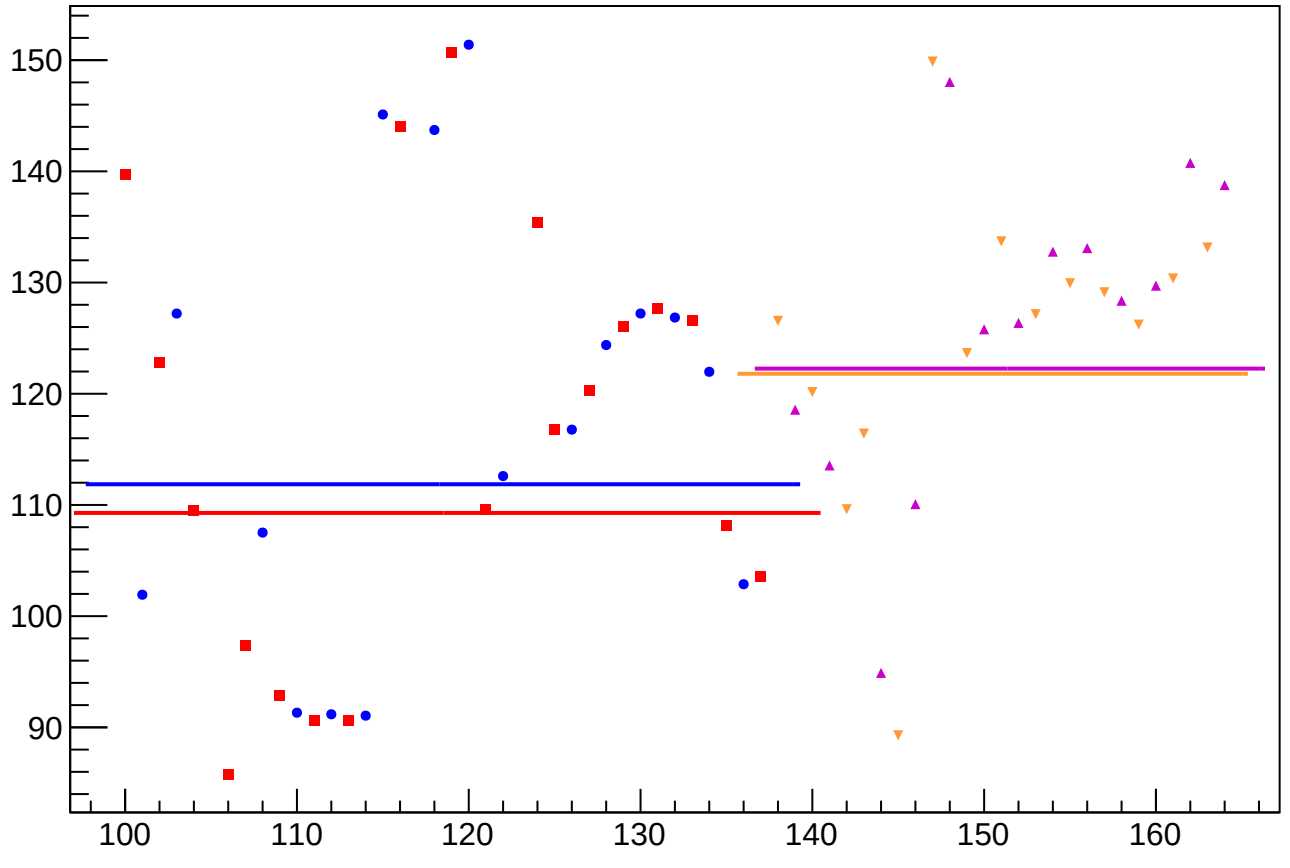
Left: 240.615+/-26.155 χ^2/NDF: 25.8/26

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 176.657+/-27.916 χ^2/NDF:39.7/28

Out: 205.982+/-27.254 χ^2/NDF:24.3/32

All: 191.671+/-19.501 χ^2/NDF: 64.5/61



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.799+/-0.026 χ^2/NDF:338469.3/13

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 122.262+/-0.026 χ^2/NDF:310882.5/12

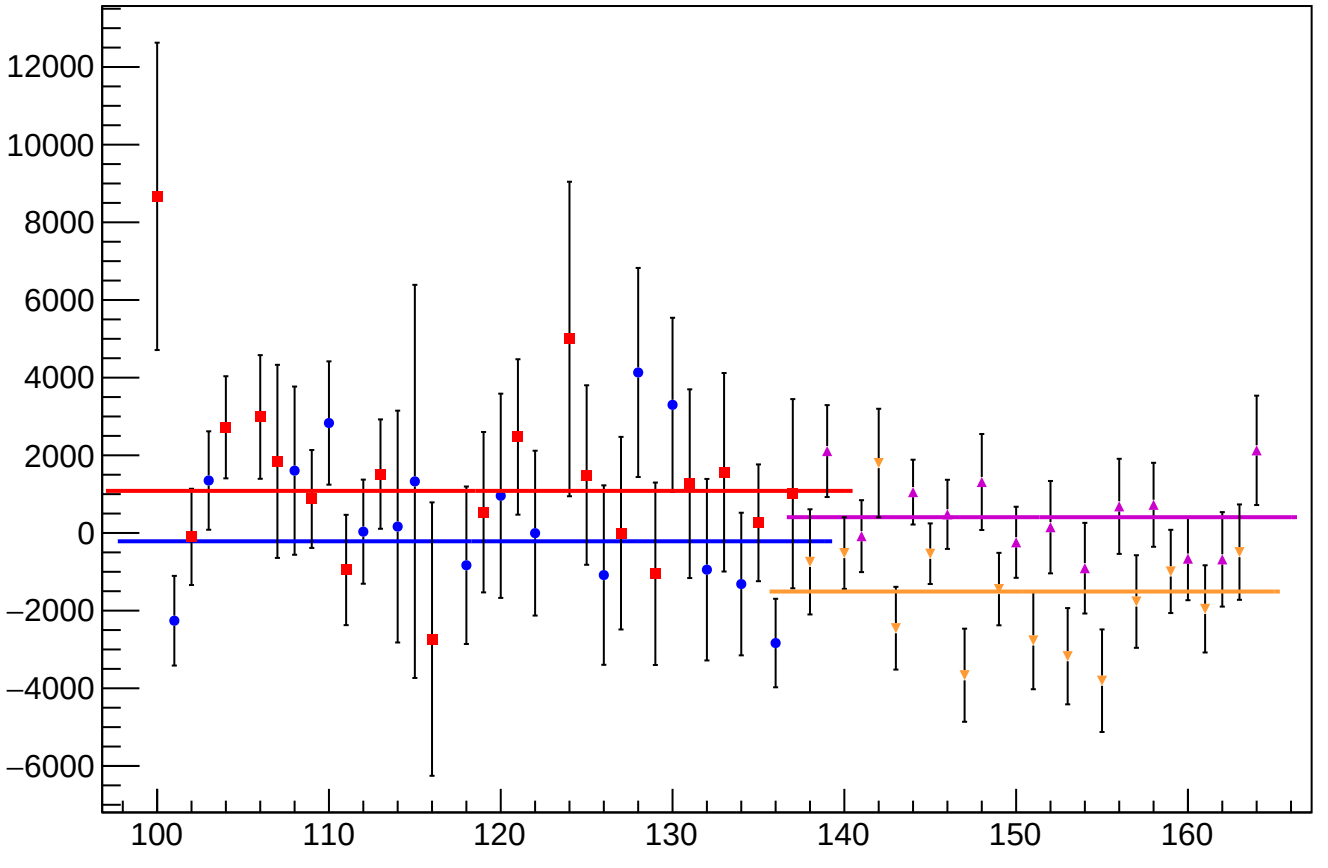
Left: 122.027+/-0.018 χ^2/NDF: 649508.7/26

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.696+/-0.020 χ^2/NDF:685267.1/28

Out: 116.181+/-0.019 χ^2/NDF:813500.2/32

All: 116.920+/-0.014 χ^2/NDF: 1501784.9/61



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1508.013+/-295.070 χ^2/NDF:19.6/13

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 406.705+/-295.662 χ^2/NDF:8.7/12

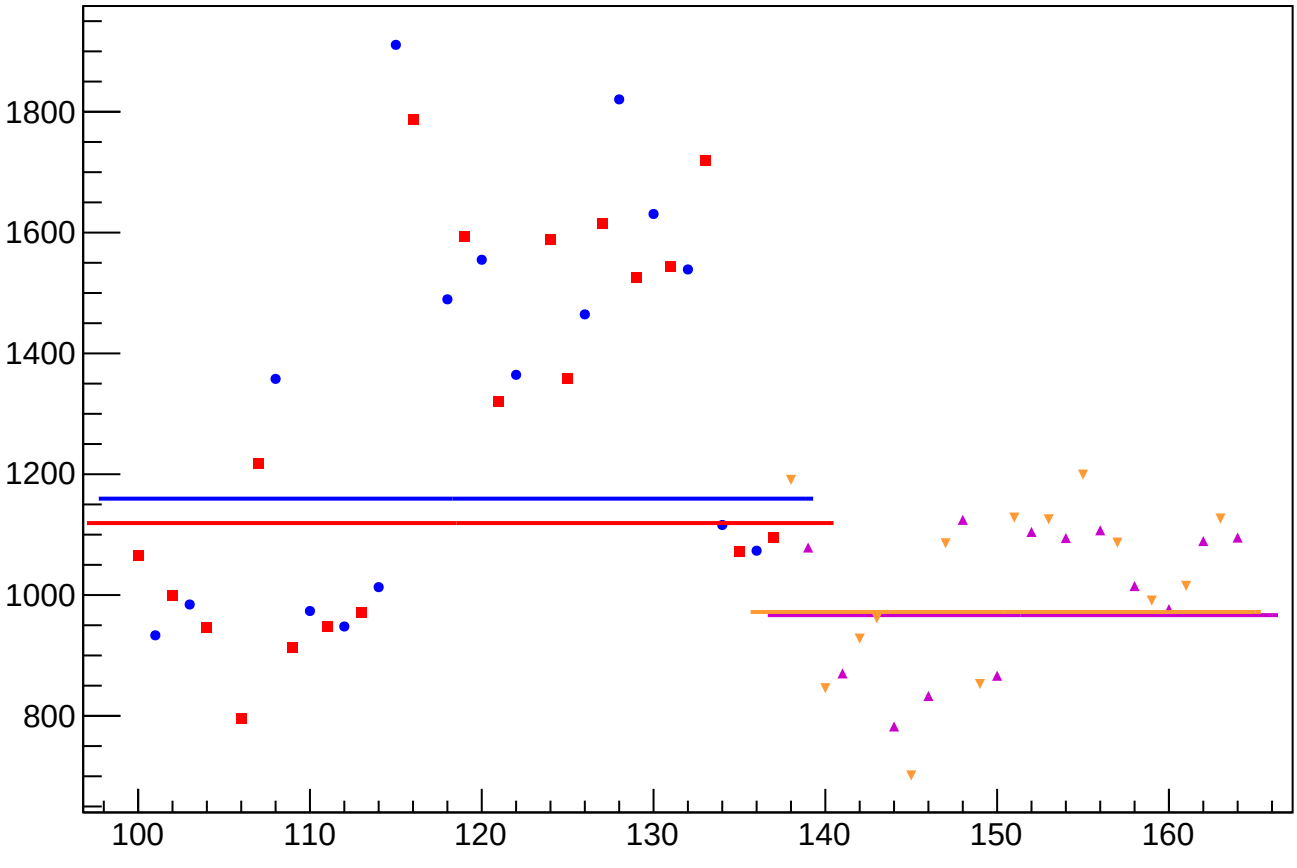
Left: -552.575+/-208.855 χ^2/NDF: 49.3/26

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 215.914+/-246.086 χ^2/NDF:30.5/28

Out: -661.694+/-242.152 χ^2/NDF:58.7/32

All: -229.962+/-172.601 χ^2/NDF: 95.7/61



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 971.993+/-0.209 χ^2/NDF:557548.9/13

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 966.728+/-0.209 χ^2/NDF:357022.9/12

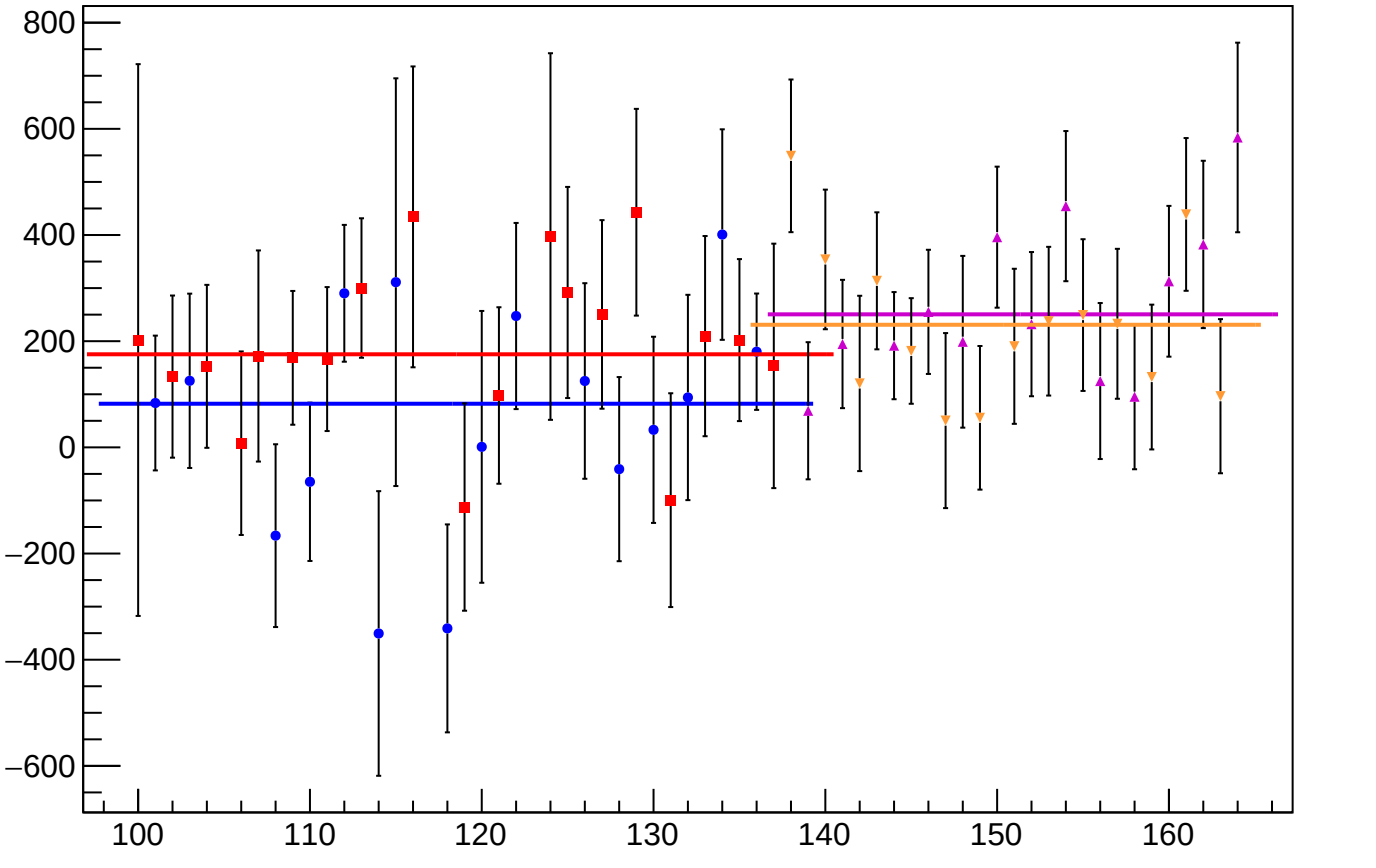
Left: 969.366+/-0.148 χ^2/NDF: 914889.4/26

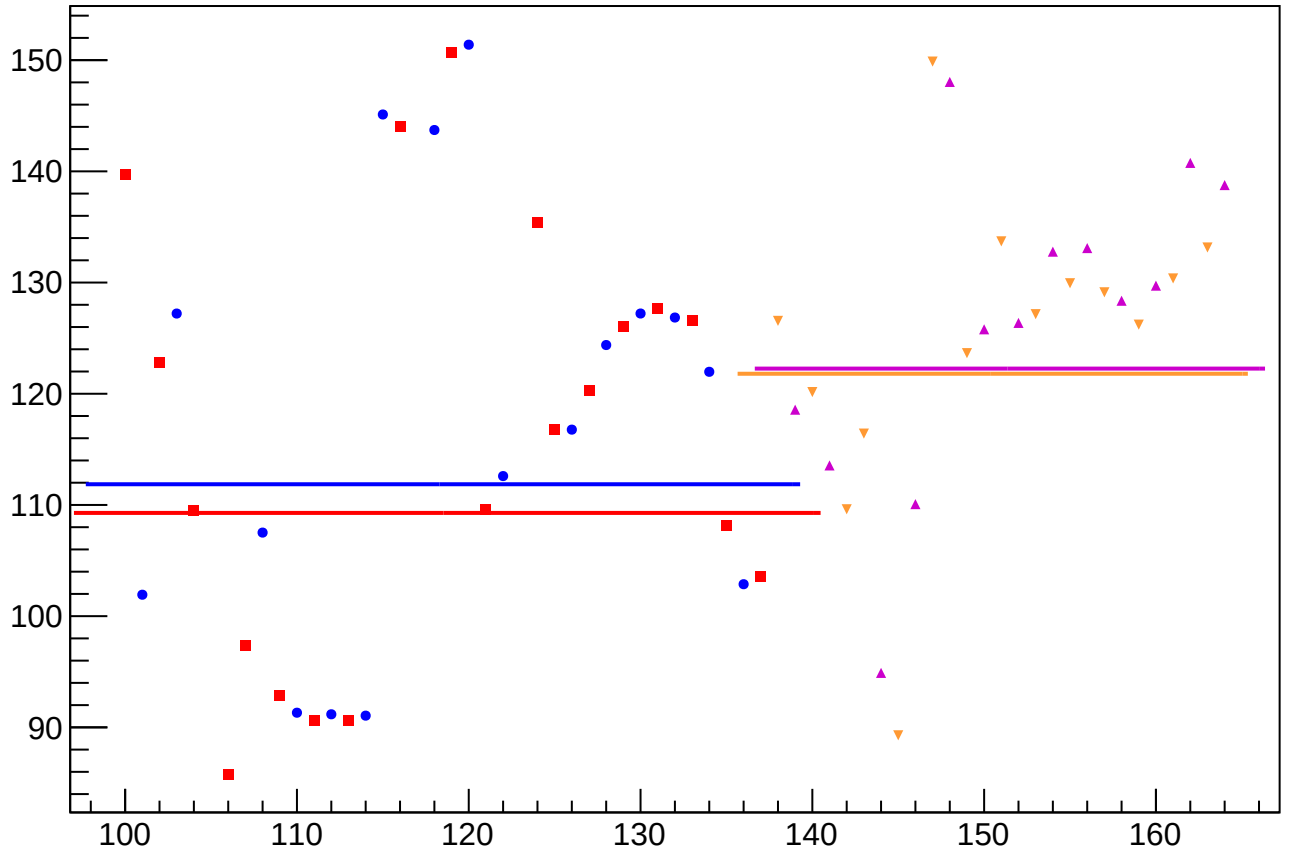
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1025.979+/-0.174 χ^2/NDF:1302109.0/28

Out: 1020.044+/-0.171 χ^2/NDF:1523139.6/32

All: 1022.964+/-0.122 χ^2/NDF: 2825839.6/61


eigen_cor_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
Right In: 82.185+/-42.133 χ²/NDF: 18.4/15
Left Out: 230.942+/-36.713 χ²/NDF:13.3/13
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 250.586+/-37.271 χ²/NDF:12.3/12
Left: 240.615+/-26.155 χ²/NDF: 25.8/26
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 176.657+/-27.916 χ²/NDF:39.7/28
Out: 205.982+/-27.254 χ²/NDF:24.3/32
All: 191.671+/-19.501 χ²/NDF: 64.5/61



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.799+/-0.026 χ^2/NDF:338469.3/13

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 122.262+/-0.026 χ^2/NDF:310882.5/12

Left: 122.027+/-0.018 χ^2/NDF: 649508.7/26

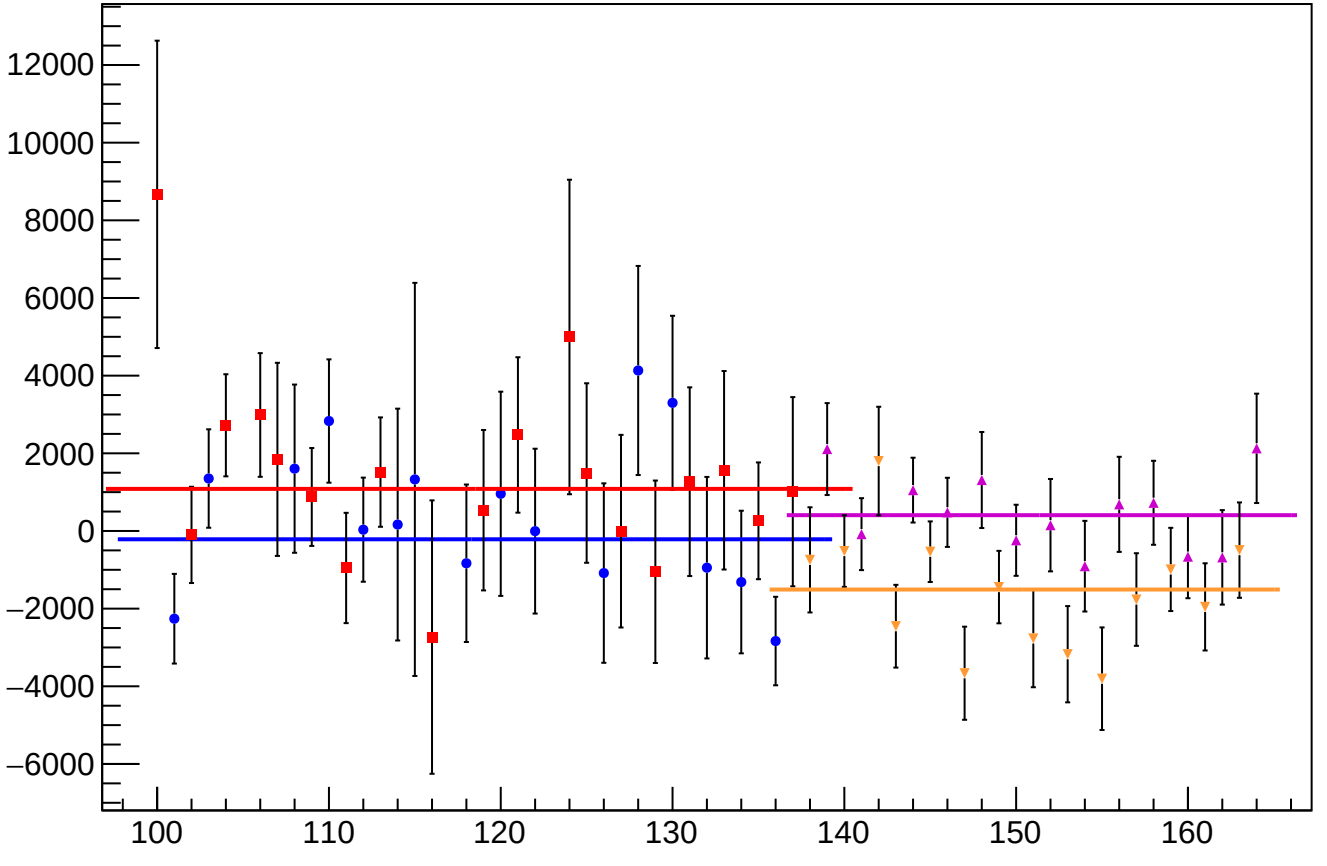
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.696+/-0.020 χ^2/NDF:685267.1/28

Out: 116.181+/-0.019 χ^2/NDF:813500.2/32

All: 116.920+/-0.014 χ^2/NDF: 1501784.9/61

asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1508.013+/-295.070 χ^2/NDF:19.6/13

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 406.705+/-295.662 χ^2/NDF:8.7/12

Left: -552.575+/-208.855 χ^2/NDF: 49.3/26

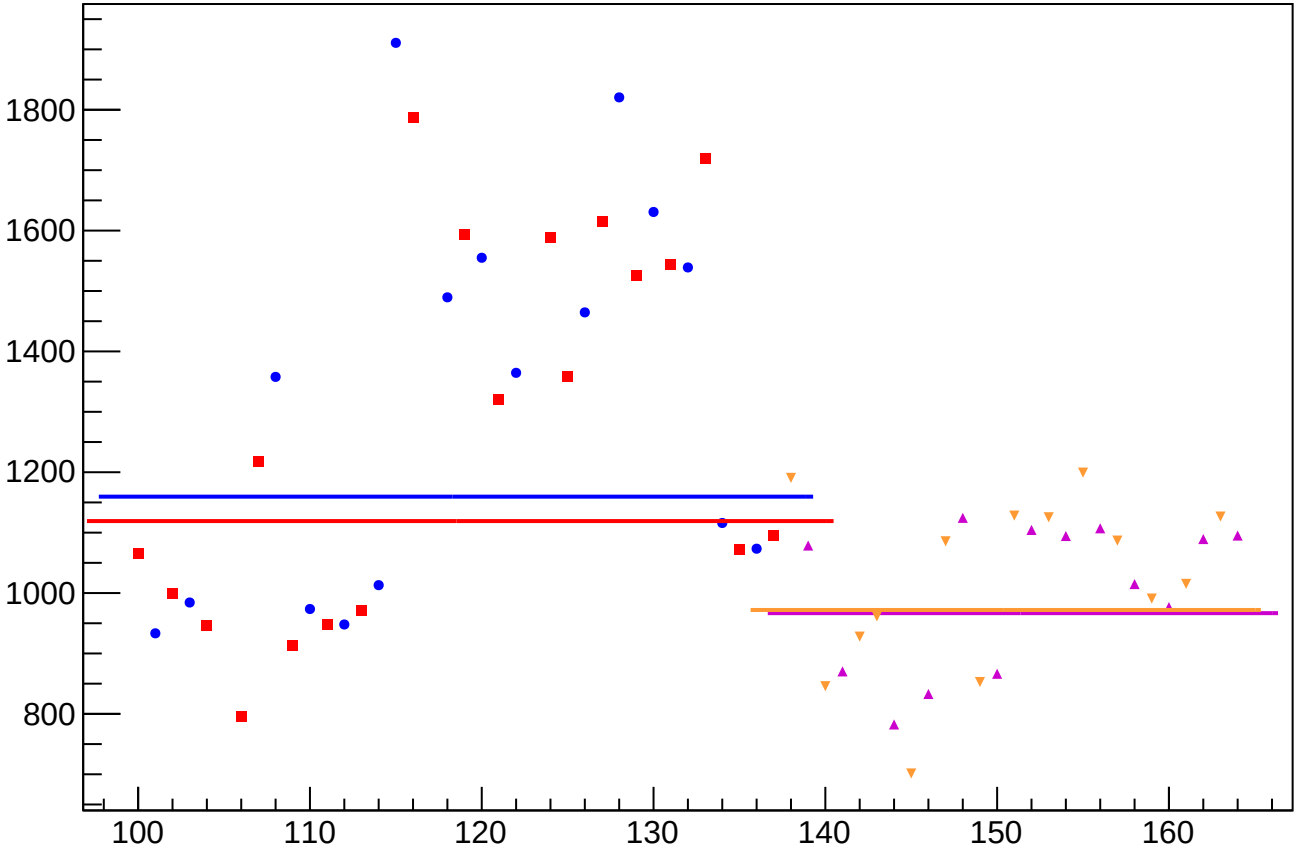
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 215.914+/-246.086 χ^2/NDF:30.5/28

Out: -661.694+/-242.152 χ^2/NDF:58.7/32

All: -229.962+/-172.601 χ^2/NDF: 95.7/61

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: 971.993+/-0.209 χ^2/NDF:557548.9/13

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 966.728+/-0.209 χ^2/NDF:357022.9/12

Left: 969.366+/-0.148 χ^2/NDF: 914889.4/26

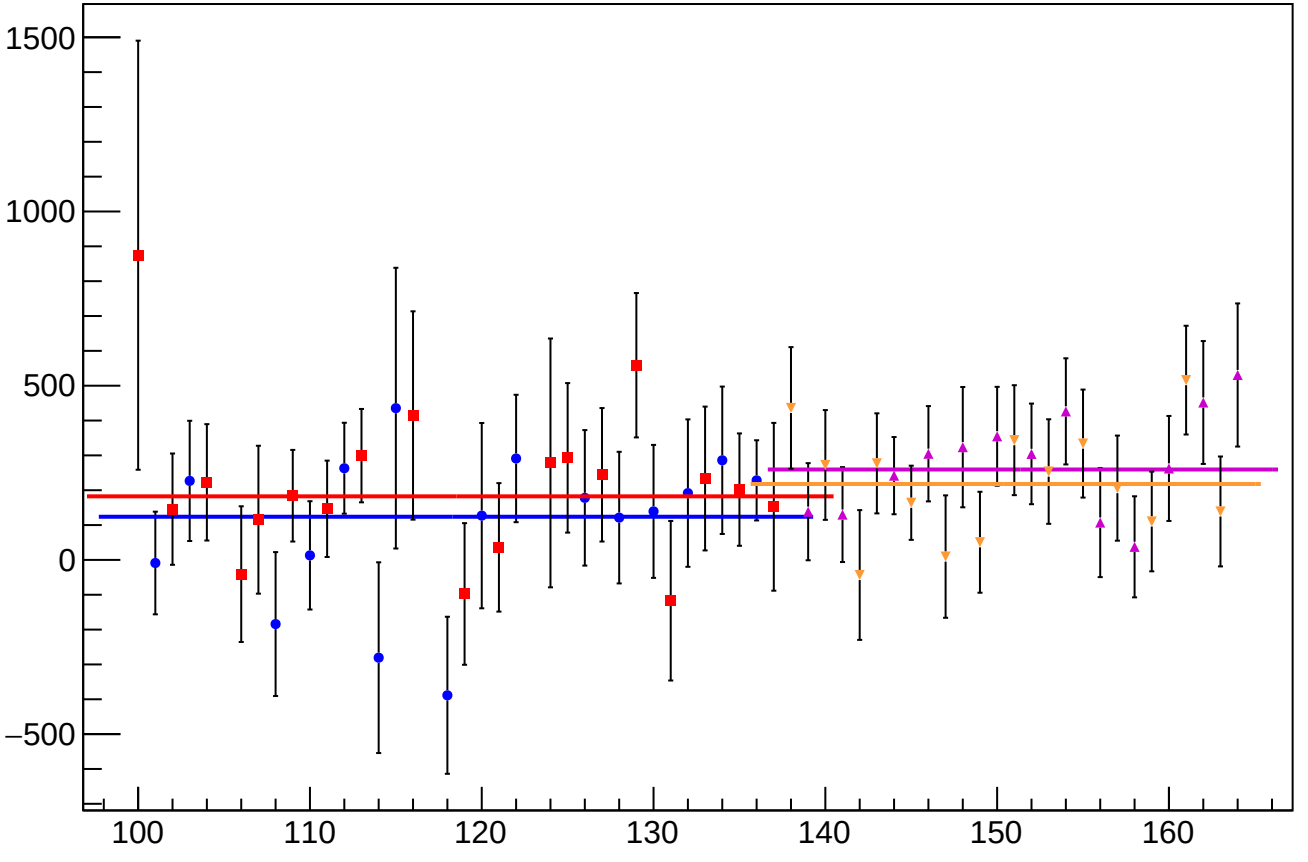
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1025.979+/-0.174 χ^2/NDF:1302109.0/28

Out: 1020.044+/-0.171 χ^2/NDF:1523139.6/32

All: 1022.964+/-0.122 χ^2/NDF: 2825839.6/61

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 217.886+/-40.193 χ^2/NDF:12.5/13

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 259.480+/-40.732 χ^2/NDF:9.9/12

Left: 238.406+/-28.609 χ^2/NDF: 23.0/26

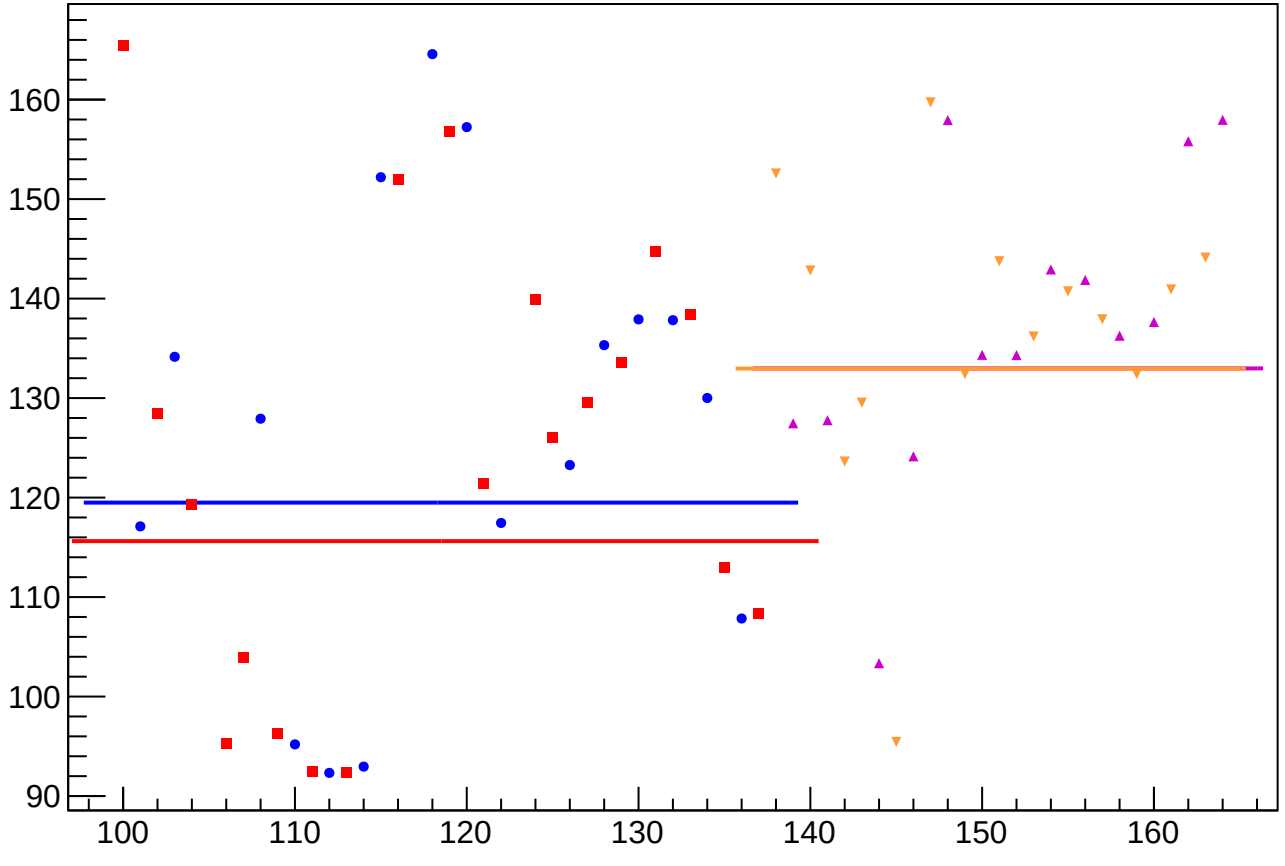
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 198.773+/-30.270 χ^2/NDF:30.3/28

Out: 201.462+/-29.434 χ^2/NDF:25.2/32

All: 200.155+/-21.102 χ^2/NDF: 55.5/61

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 132.968+/-0.028 χ^2/NDF:366792.6/13

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 132.981+/-0.029 χ^2/NDF:280619.2/12

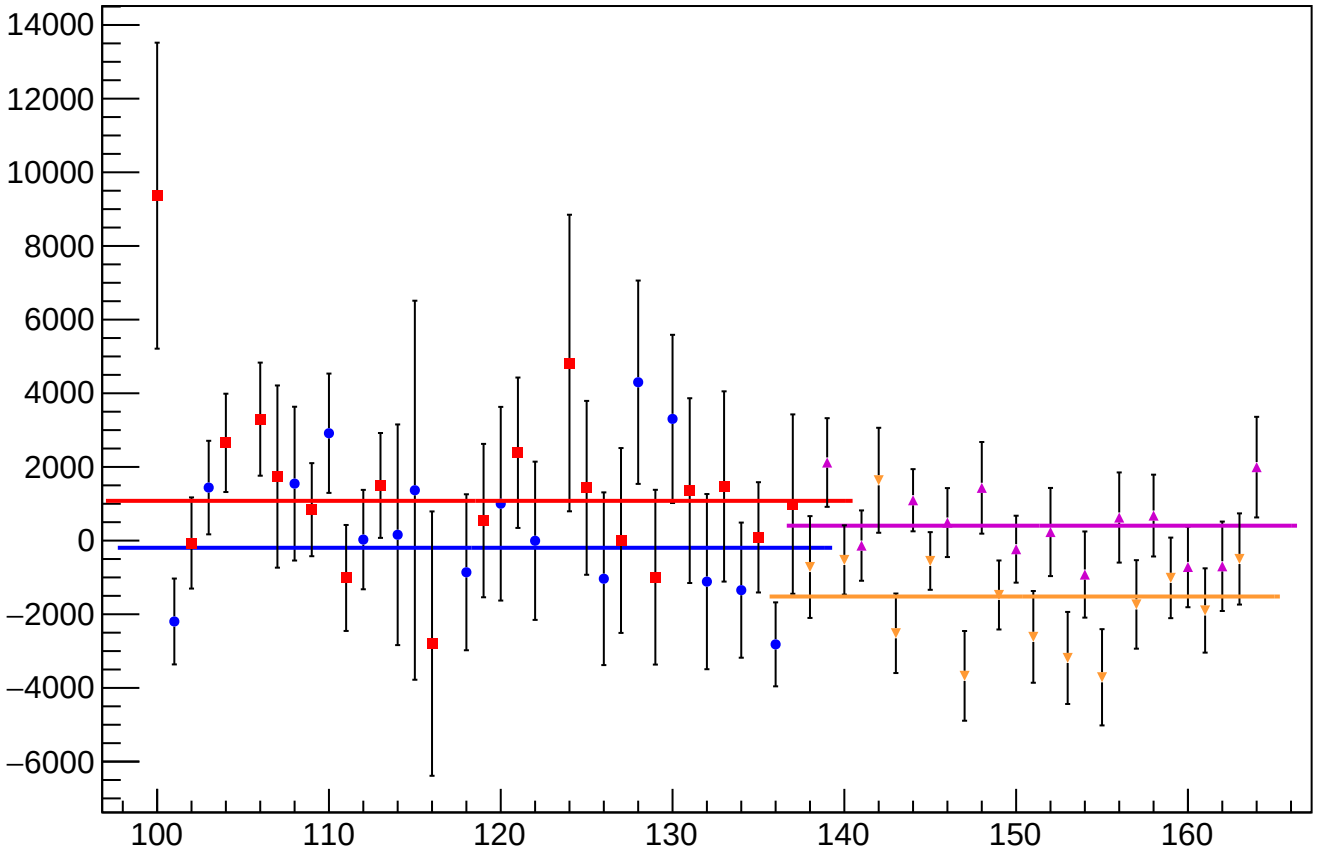
Left: 132.974+/-0.020 χ^2/NDF: 647411.9/26

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 126.943+/-0.021 χ^2/NDF:759039.0/28

Out: 124.924+/-0.021 χ^2/NDF:966488.1/32

All: 125.905+/-0.015 χ^2/NDF: 1730098.1/61



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1518.387+/-297.969 χ^2/NDF:18.3/13

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 404.744+/-299.540 χ^2/NDF:8.8/12

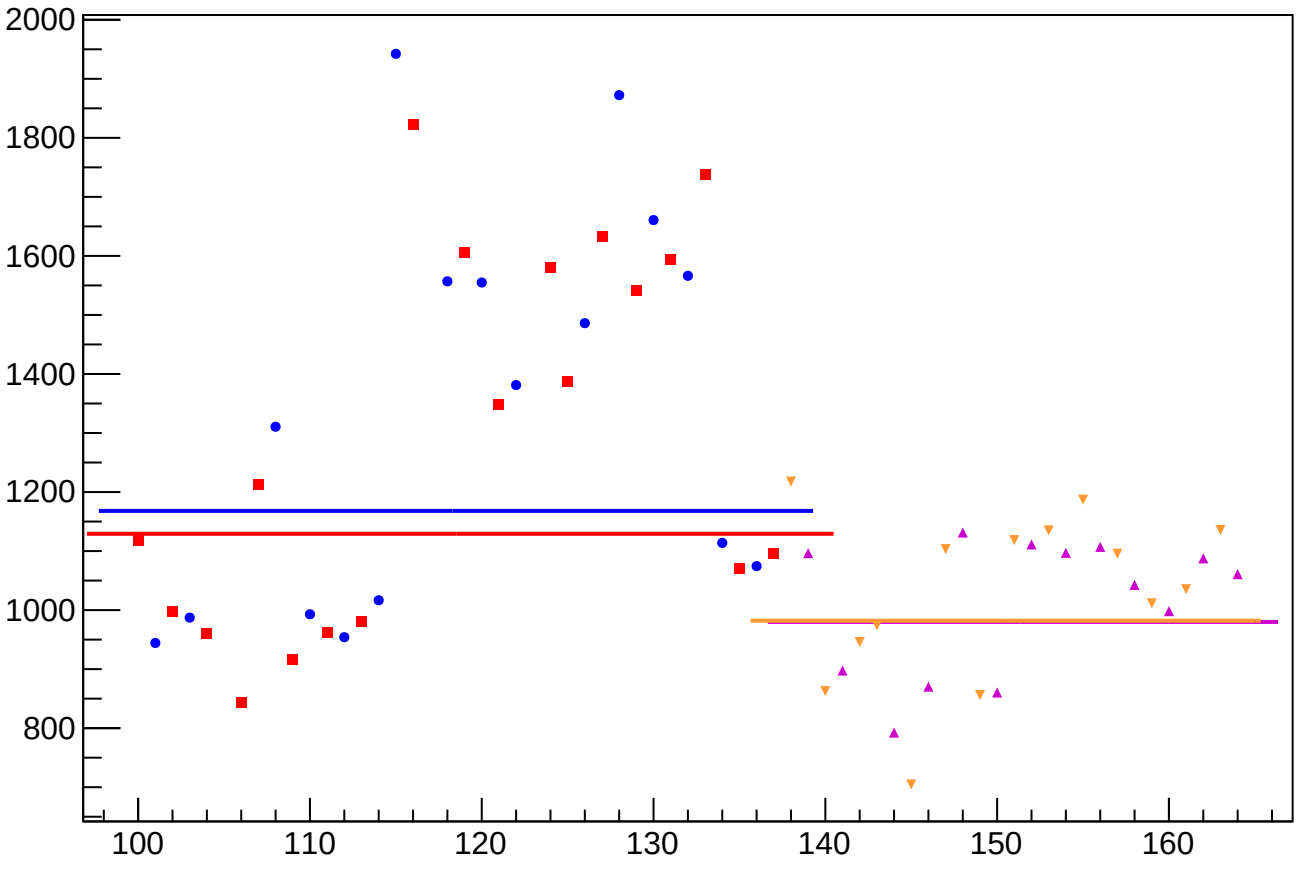
Left: -561.879+/-211.249 χ^2/NDF: 47.8/26

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 219.052+/-248.894 χ^2/NDF:30.5/28

Out: -664.838+/-244.158 χ^2/NDF:57.8/32

All: -231.381+/-174.296 χ^2/NDF: 94.7/61



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 982.056+/-0.211 χ^2/NDF:556236.9/13

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 979.945+/-0.212 χ^2/NDF:319284.0/12

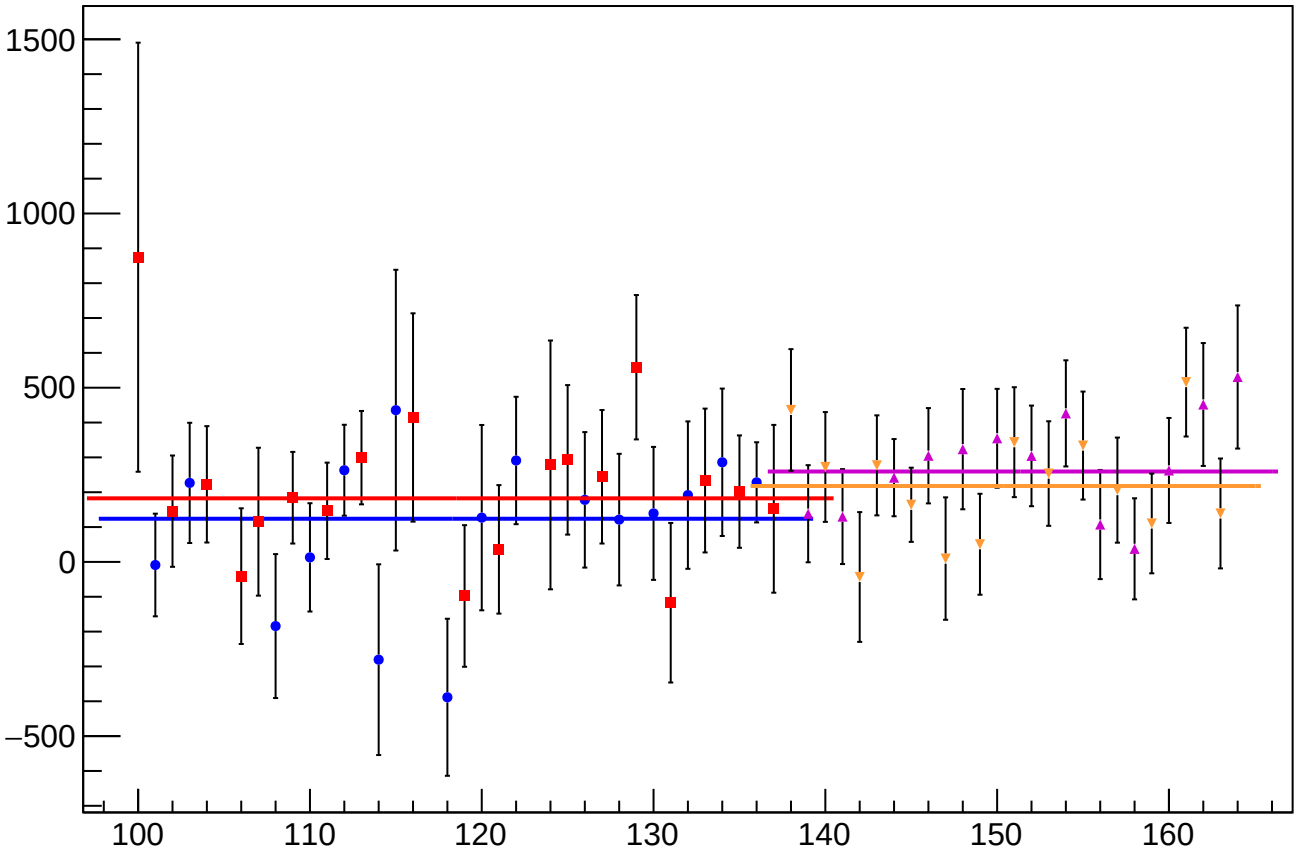
Left: 981.006+/-0.149 χ^2/NDF: 875570.8/26

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1038.182+/-0.176 χ^2/NDF:1272845.3/28

Out: 1030.441+/-0.173 χ^2/NDF:1523963.8/32

All: 1034.237+/-0.123 χ^2/NDF: 2797794.9/61



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 217.887+/-40.193 χ^2/NDF:12.5/13

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 259.481+/-40.732 χ^2/NDF:9.9/12

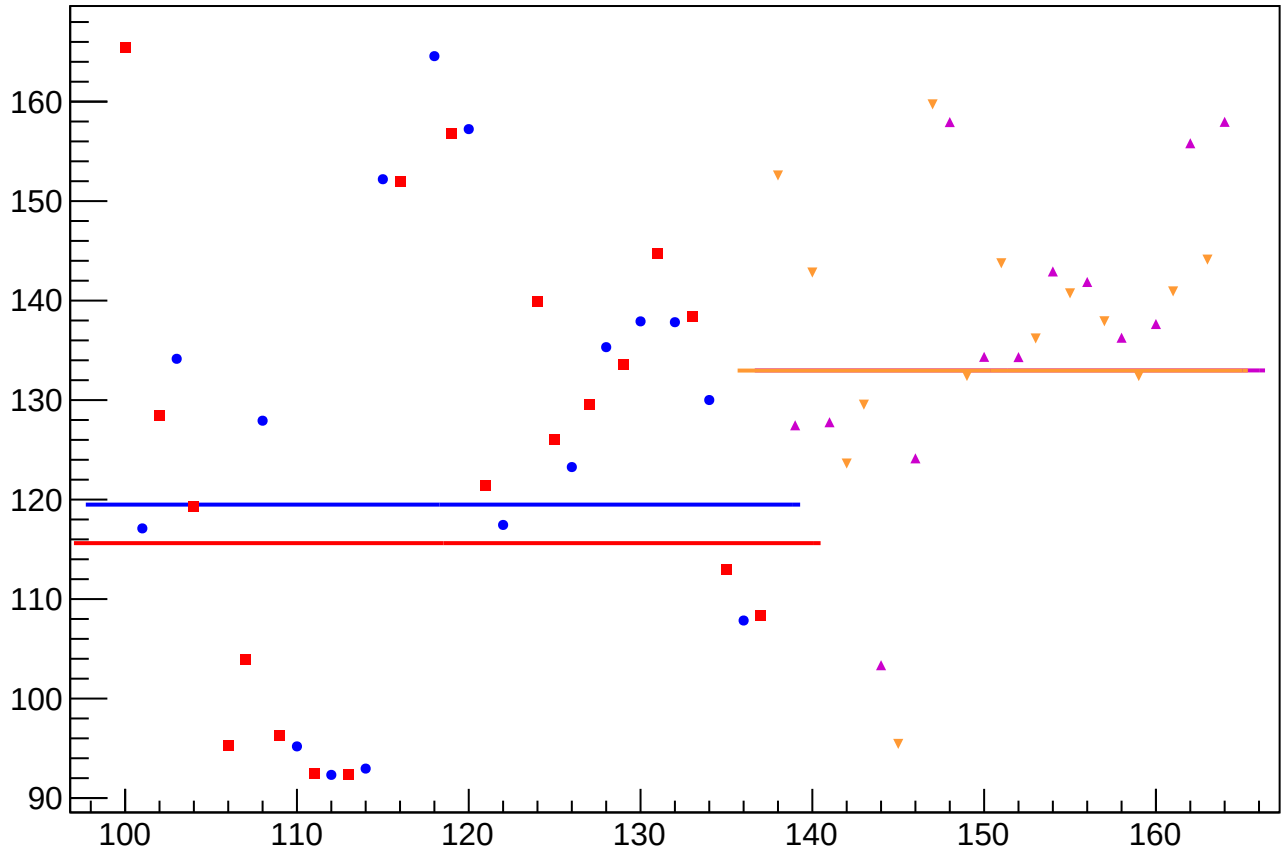
Left: 238.407+/-28.609 χ^2/NDF: 23.0/26

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 198.774+/-30.270 χ^2/NDF:30.3/28

Out: 201.463+/-29.434 χ^2/NDF:25.2/32

All: 200.156+/-21.102 χ^2/NDF: 55.5/61



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 132.968+/-0.028 χ^2/NDF:366791.0/13

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 132.981+/-0.029 χ^2/NDF:280618.0/12

Left: 132.974+/-0.020 χ^2/NDF: 647409.1/26

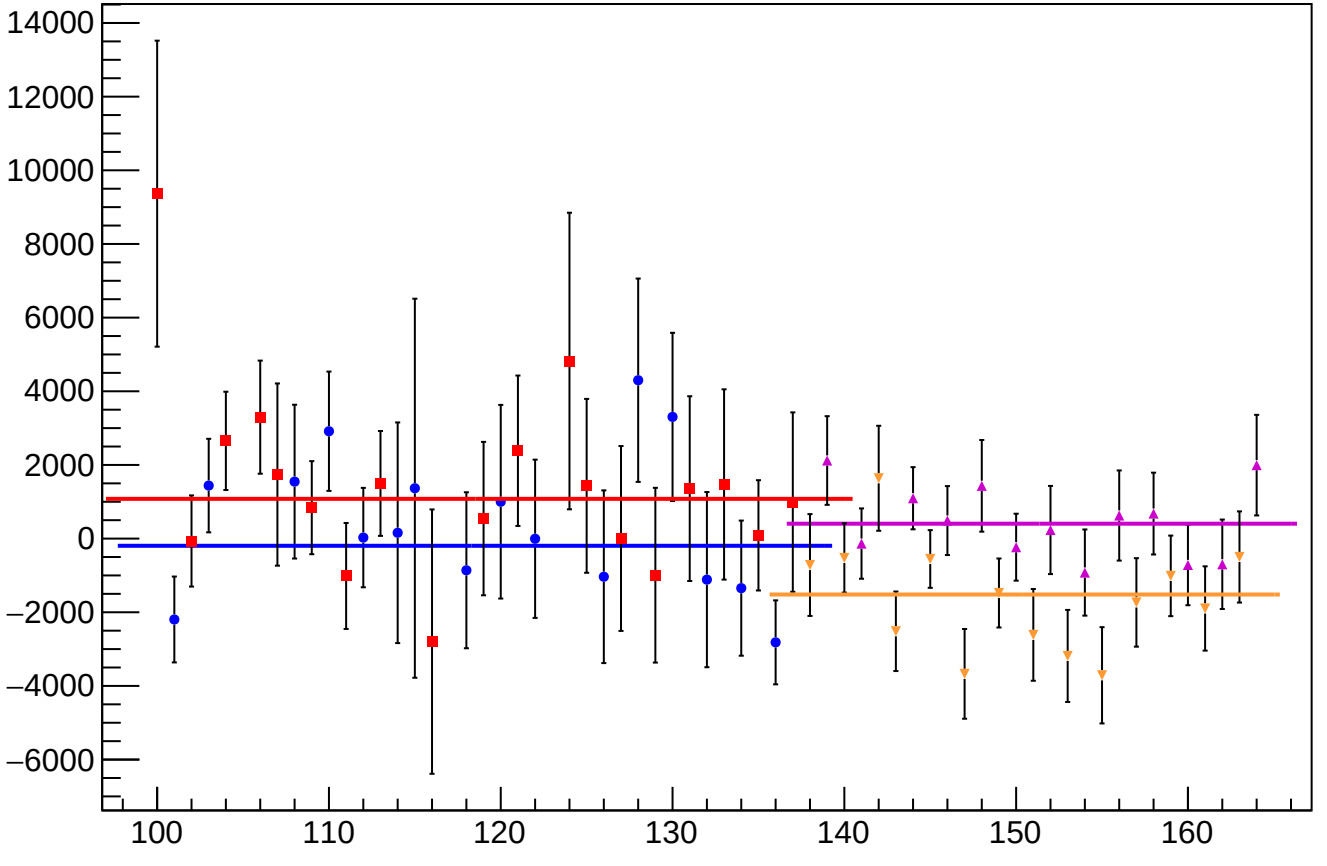
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 126.943+/-0.021 χ^2/NDF:759042.2/28

Out: 124.924+/-0.021 χ^2/NDF:966493.4/32

All: 125.905+/-0.015 χ^2/NDF: 1730106.8/61

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: -1518.385+/-297.969 χ^2/NDF:18.3/13

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 404.743+/-299.540 χ^2/NDF:8.8/12

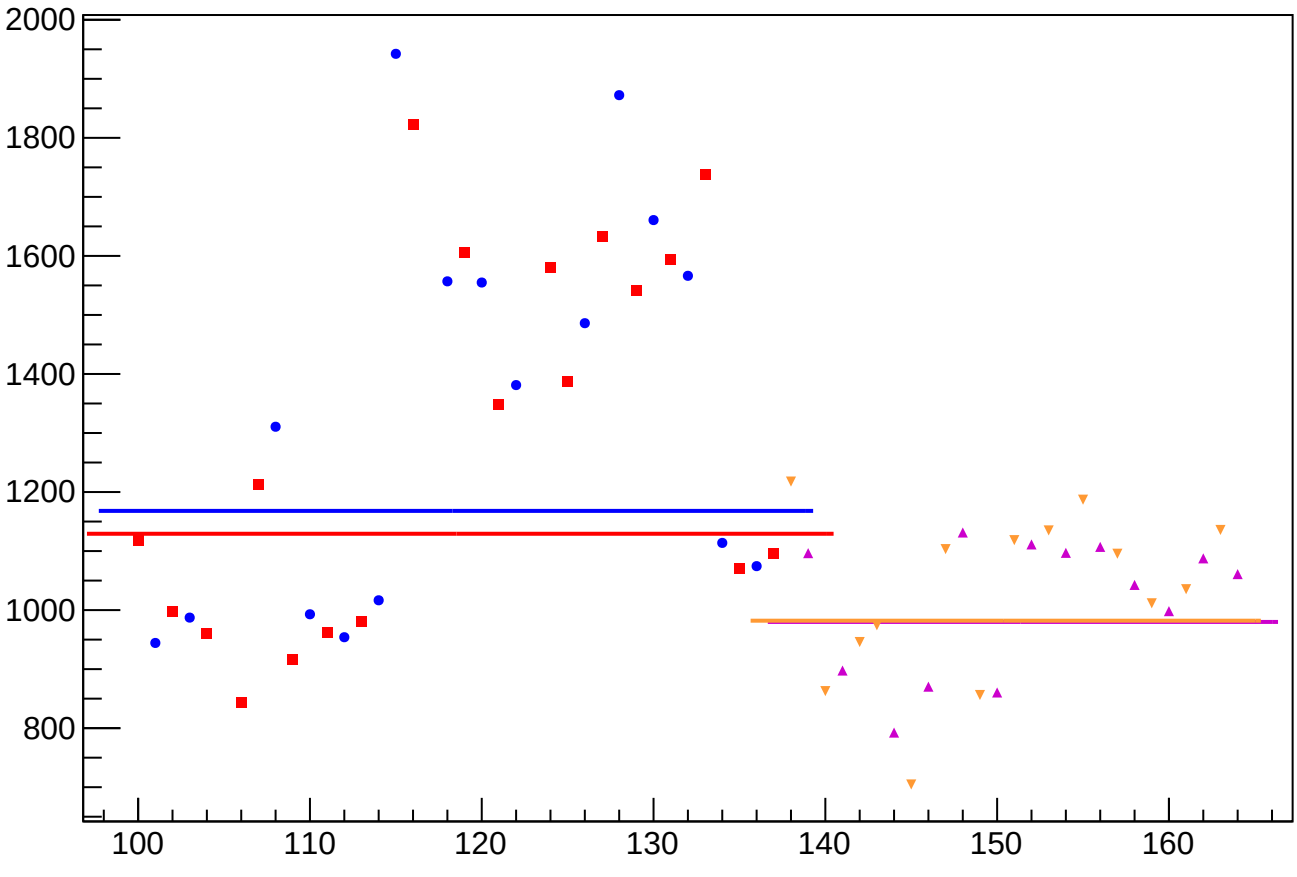
Left: -561.879+/-211.249 χ^2/NDF: 47.8/26

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 219.052+/-248.894 χ^2/NDF:30.5/28

Out: -664.837+/-244.158 χ^2/NDF:57.8/32

All: -231.381+/-174.296 χ^2/NDF: 94.7/61



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 982.055+/-0.211 χ^2/NDF:556240.4/13

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 979.945+/-0.212 χ^2/NDF:319282.3/12

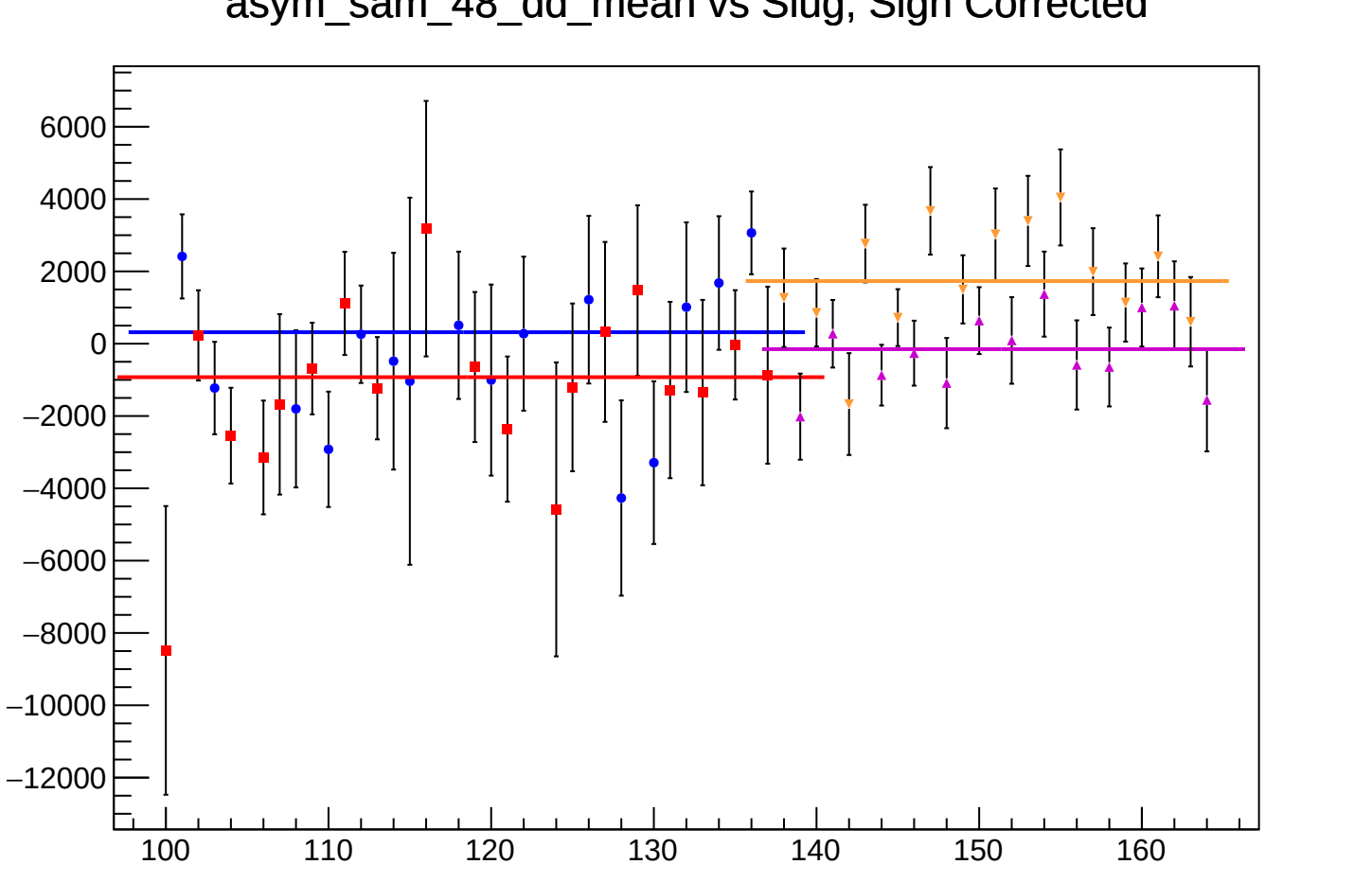
Left: 981.006+/-0.149 χ^2/NDF: 875572.5/26

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1038.181+/-0.176 χ^2/NDF:1272845.7/28

Out: 1030.440+/-0.173 χ^2/NDF:1523970.0/32

All: 1034.237+/-0.123 χ^2/NDF: 2797801.5/61



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1733.325+/-297.466 χ^2/NDF:19.4/13

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -151.922+/-298.099 χ^2/NDF:9.8/12

Left: 792.705+/-210.564 χ^2/NDF: 49.3/26

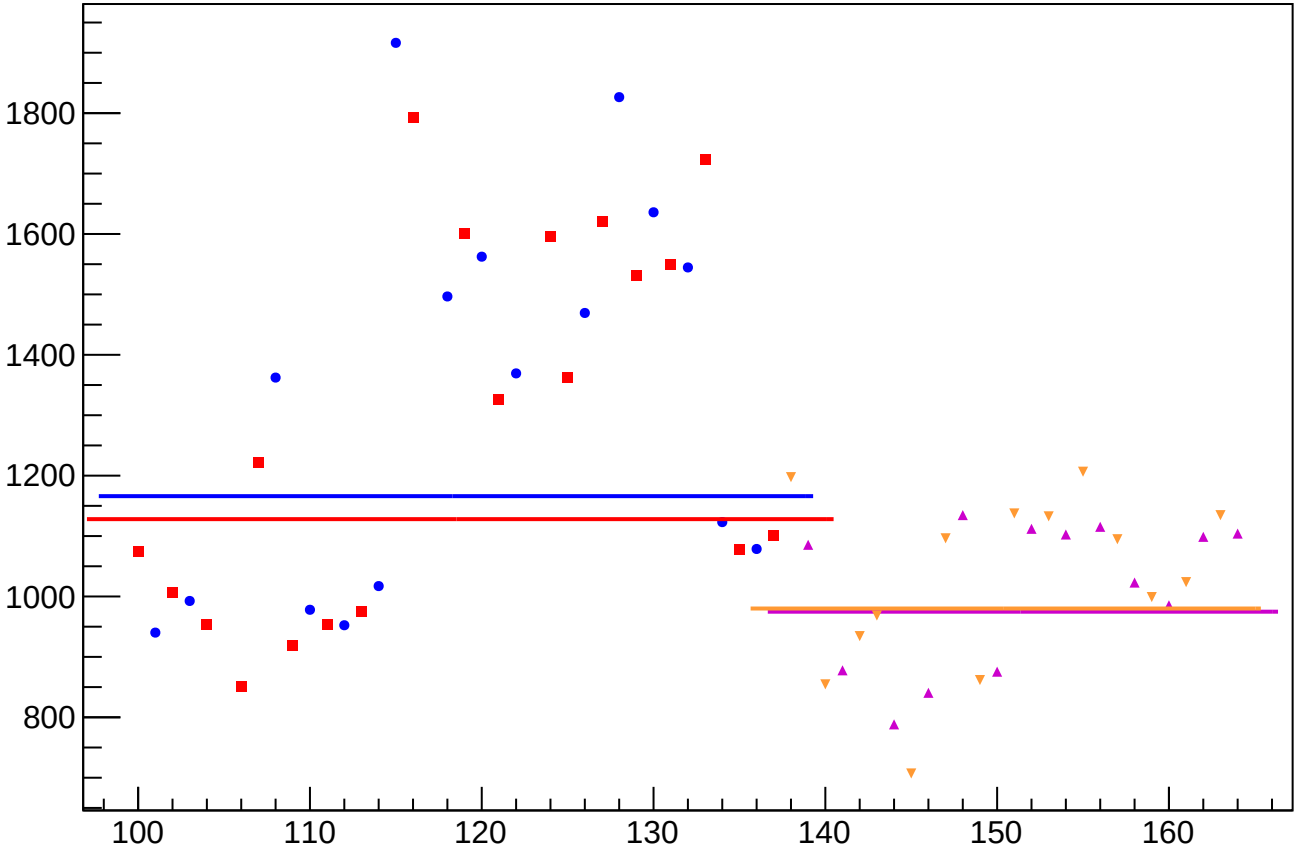
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: -7.164+/-247.895 χ^2/NDF:32.8/28

Out: 860.020+/-243.779 χ^2/NDF:60.2/32

All: 433.687+/-173.815 χ^2/NDF: 99.2/61

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 980.079+/-0.210 χ^2/NDF:552313.6/13

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 974.815+/-0.211 χ^2/NDF:354744.4/12

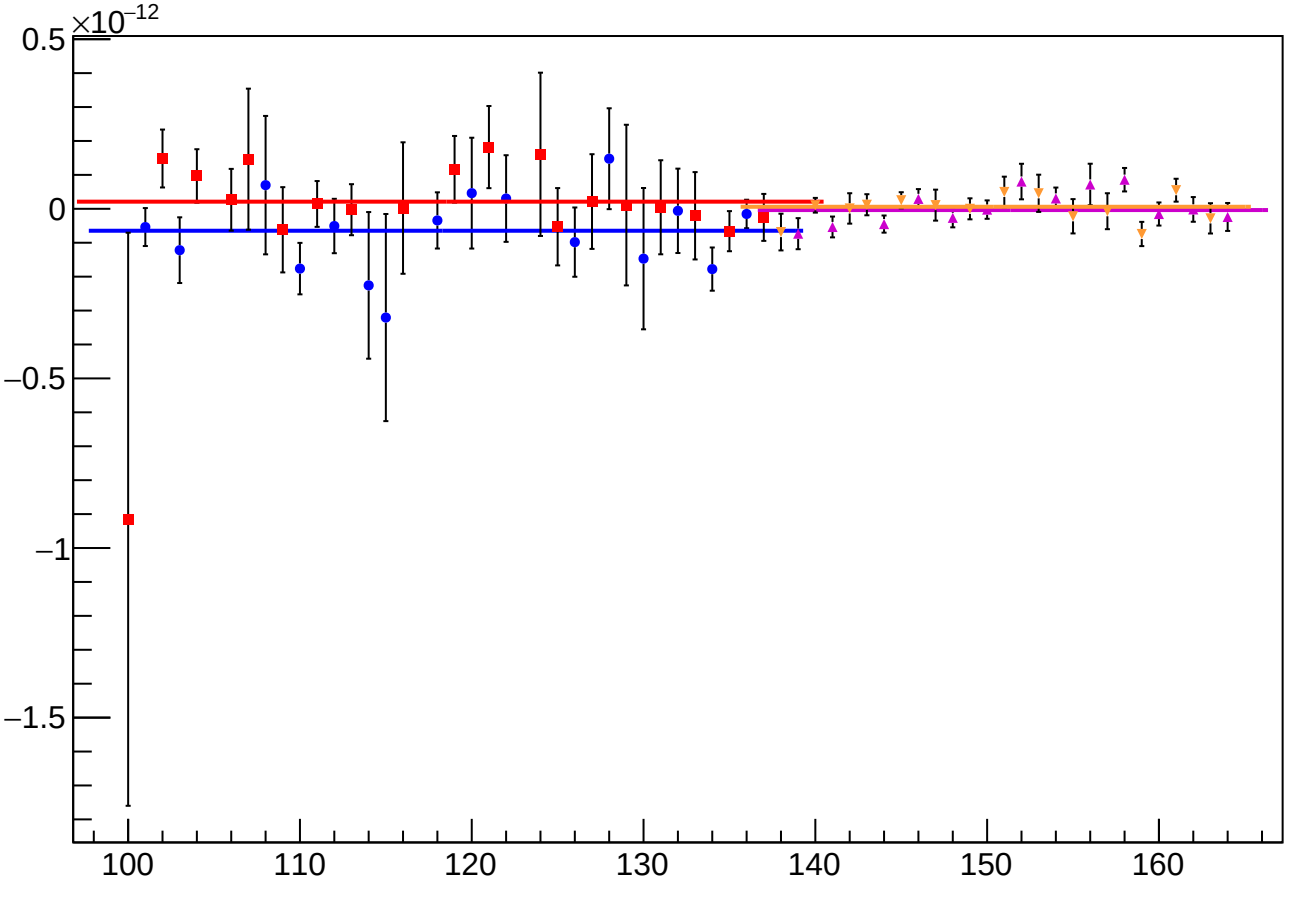
Left: 977.453+/-0.149 χ^2/NDF: 907370.5/26

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1033.806+/-0.175 χ^2/NDF:1285715.1/28

Out: 1028.657+/-0.172 χ^2/NDF:1490501.3/32

All: 1031.188+/-0.123 χ^2/NDF: 2776655.2/61



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/12

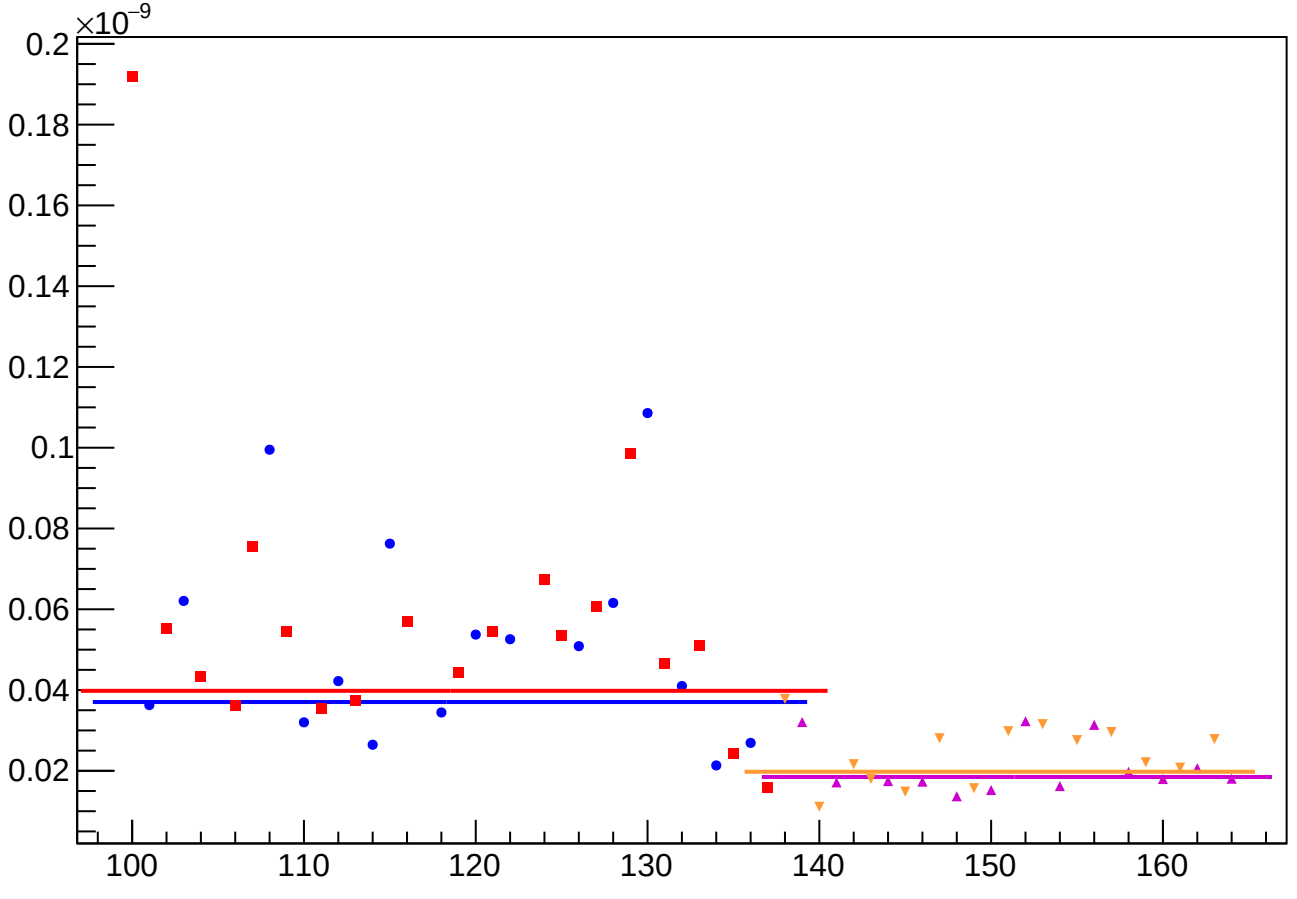
Left: 0.000+/-0.000 χ^2/NDF: 34.7/26

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:41.0/28

Out: 0.000+/-0.000 χ^2/NDF:24.1/32

All: -0.000+/-0.000 χ^2/NDF: 68.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1121832.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:521152.3/12

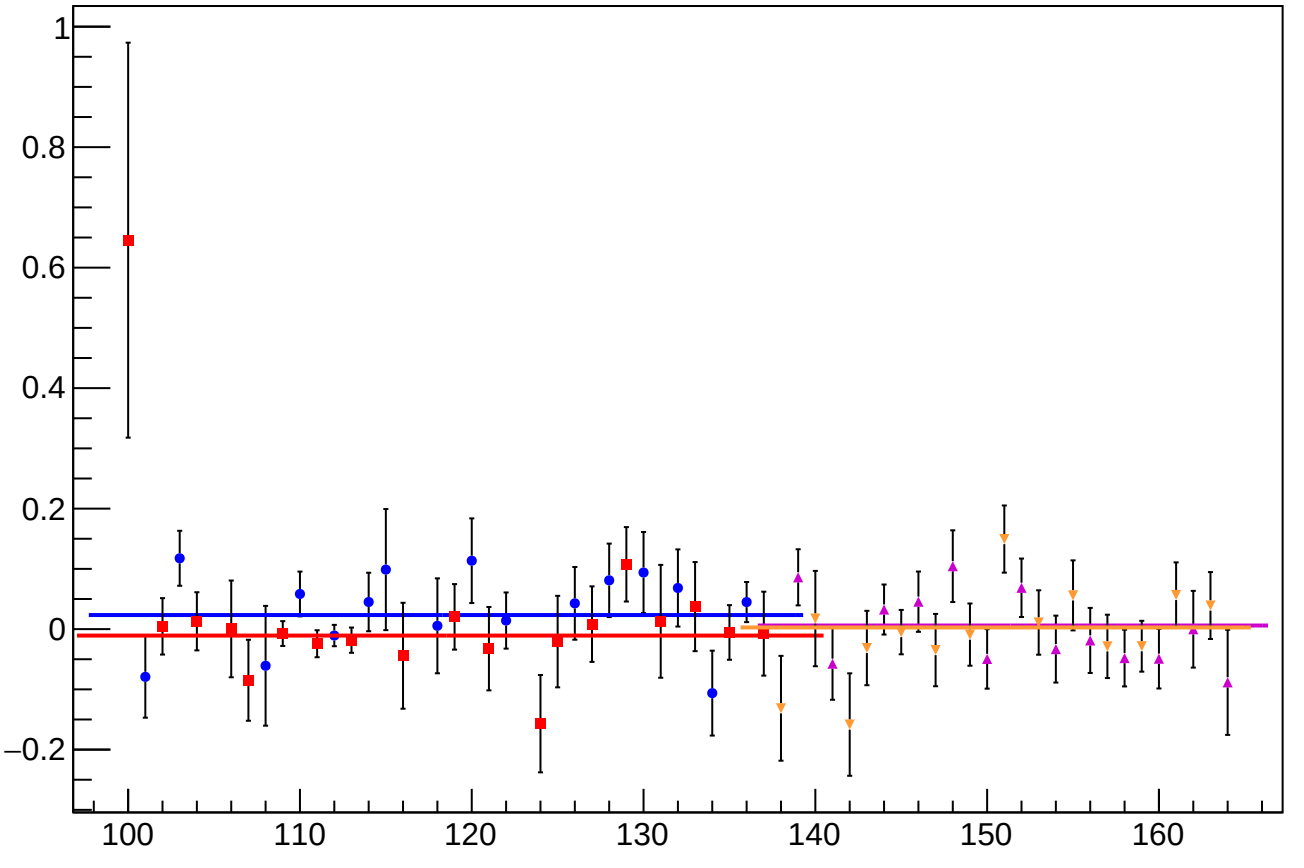
Left: 0.000+/-0.000 χ^2/NDF: 1661973.8/26

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2739820.6/28

Out: 0.000+/-0.000 χ^2/NDF:3310607.5/32

All: 0.000+/-0.000 χ^2/NDF: 6074821.6/61



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.003+/-0.015 χ^2/NDF:16.9/13

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.006+/-0.015 χ^2/NDF:15.2/12

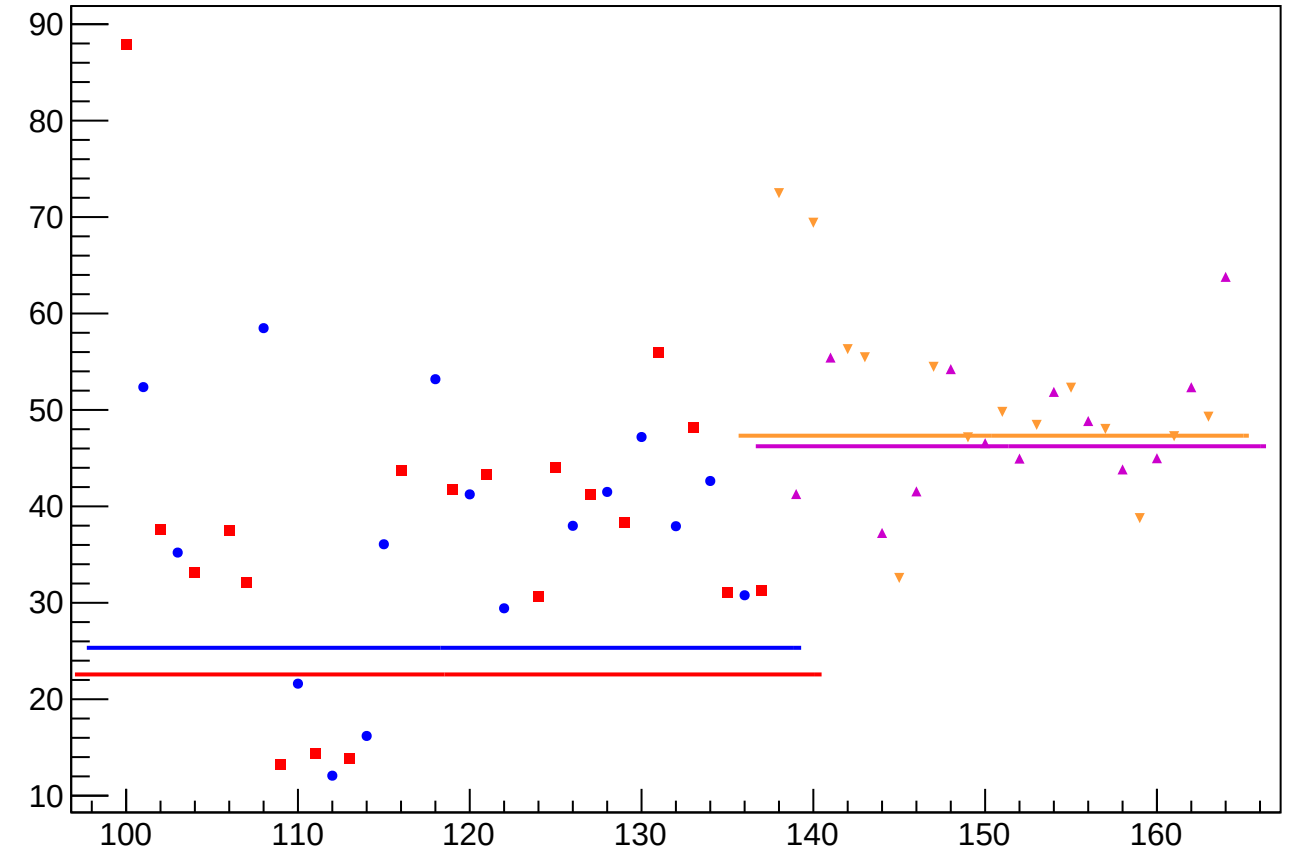
Left: 0.004+/-0.010 χ^2/NDF: 32.2/26

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:36.9/28

Out: -0.007+/-0.008 χ^2/NDF:31.7/32

All: 0.004+/-0.006 χ^2/NDF: 72.4/61



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.329+/-0.010 χ^2/NDF:833424.4/13

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.234+/-0.010 χ^2/NDF:349926.7/12

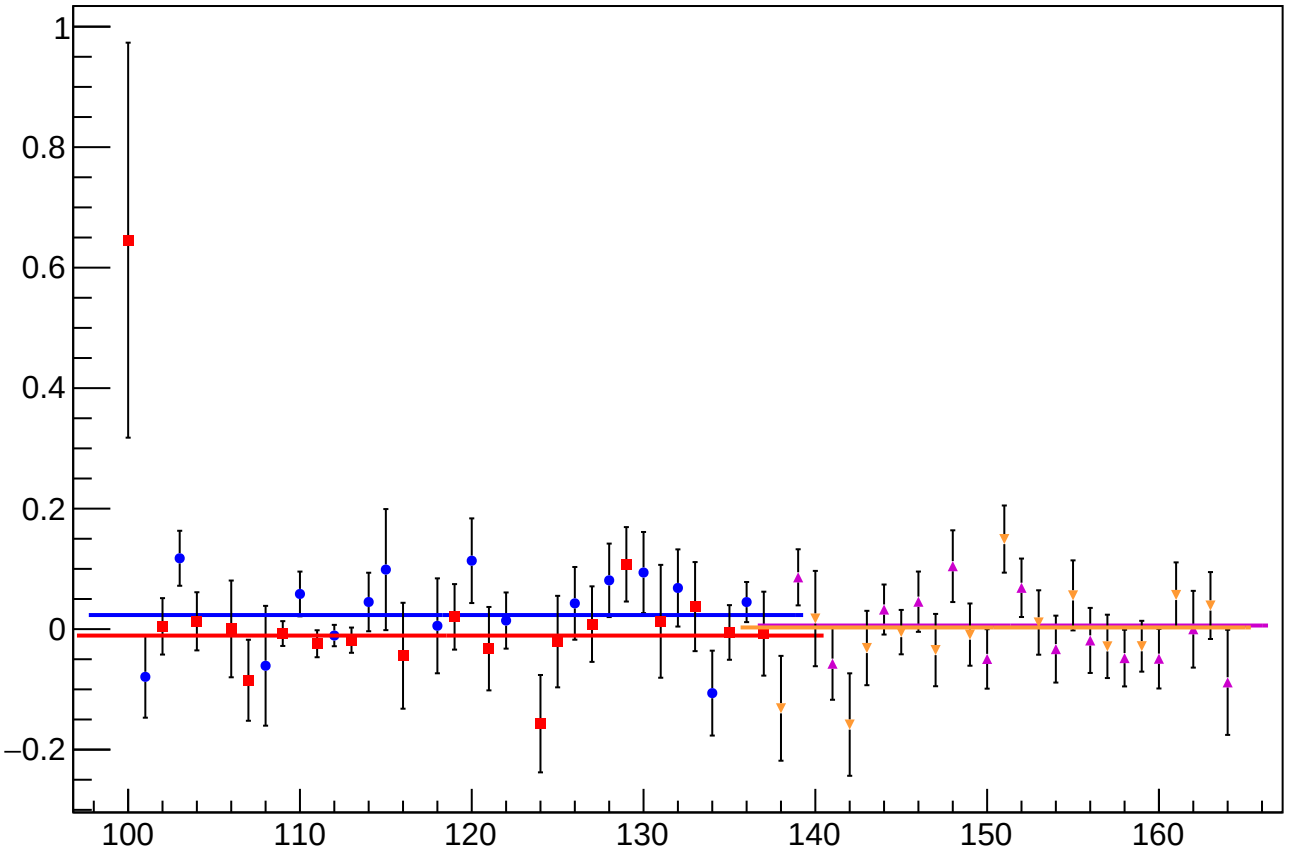
Left: 46.775+/-0.007 χ^2/NDF: 1188974.7/26

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 33.015+/-0.006 χ^2/NDF:5895574.2/28

Out: 30.204+/-0.006 χ^2/NDF:7907034.8/32

All: 31.502+/-0.004 χ^2/NDF: 13912335.6/61



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.003+/-0.015 χ^2/NDF:16.9/13

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.006+/-0.015 χ^2/NDF:15.2/12

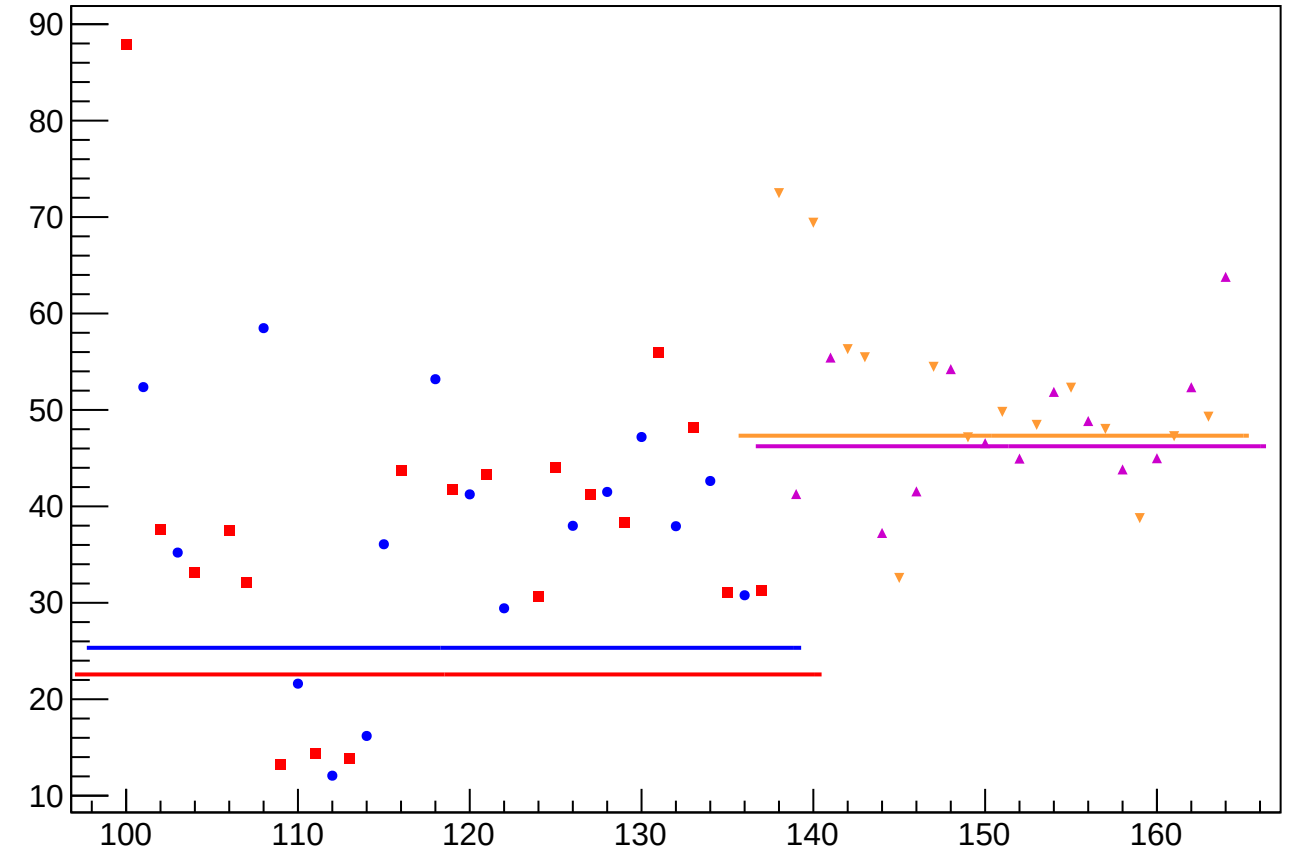
Left: 0.004+/-0.010 χ^2/NDF: 32.2/26

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:36.9/28

Out: -0.007+/-0.008 χ^2/NDF:31.7/32

All: 0.004+/-0.006 χ^2/NDF: 72.4/61



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.329+/-0.010 χ^2/NDF:833424.4/13

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 46.234+/-0.010 χ^2/NDF:349926.7/12

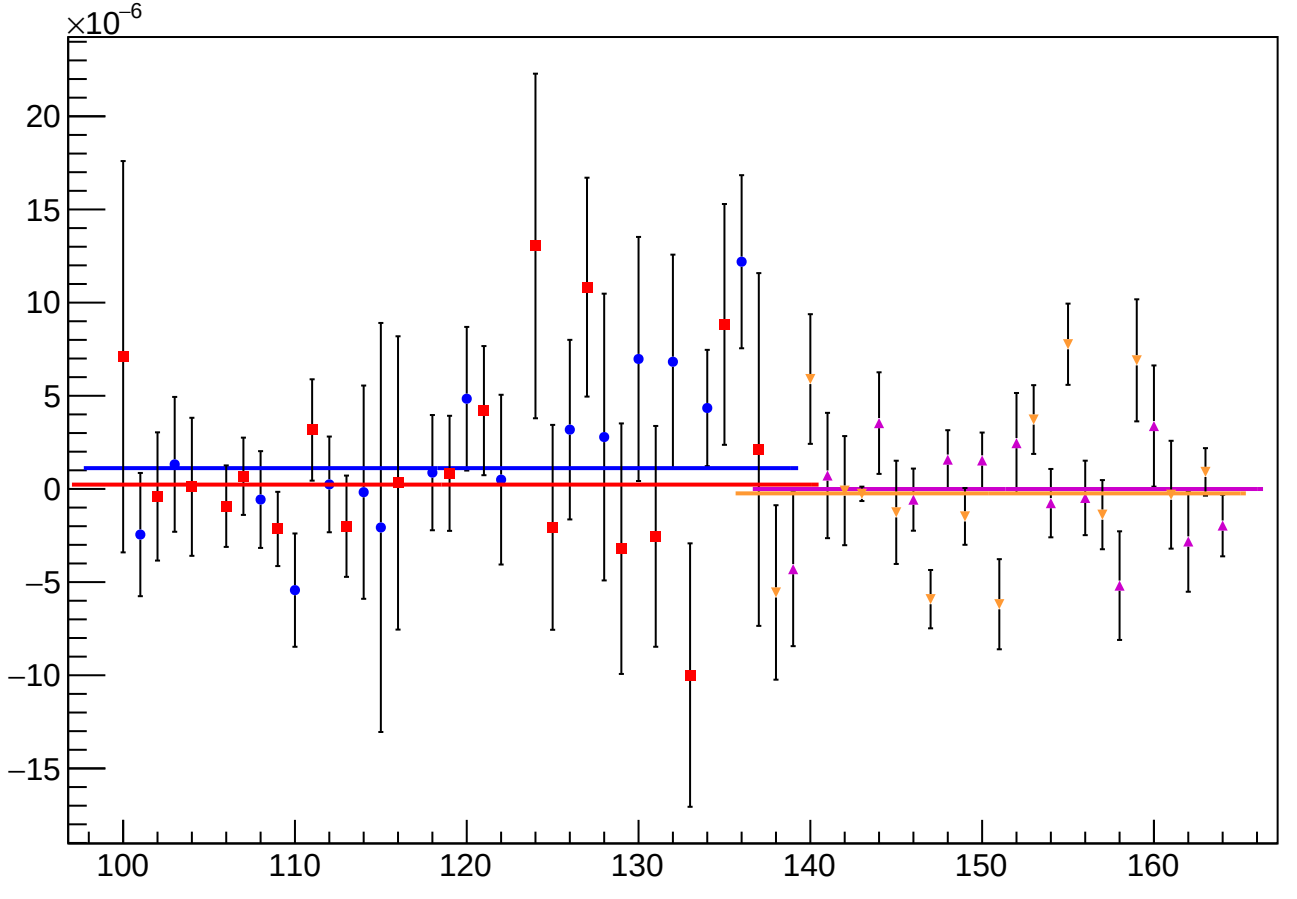
Left: 46.775+/-0.007 χ^2/NDF: 1188974.7/26

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 33.015+/-0.006 χ^2/NDF:5895574.2/28

Out: 30.204+/-0.006 χ^2/NDF:7907034.8/32

All: 31.502+/-0.004 χ^2/NDF: 13912335.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:48.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/12

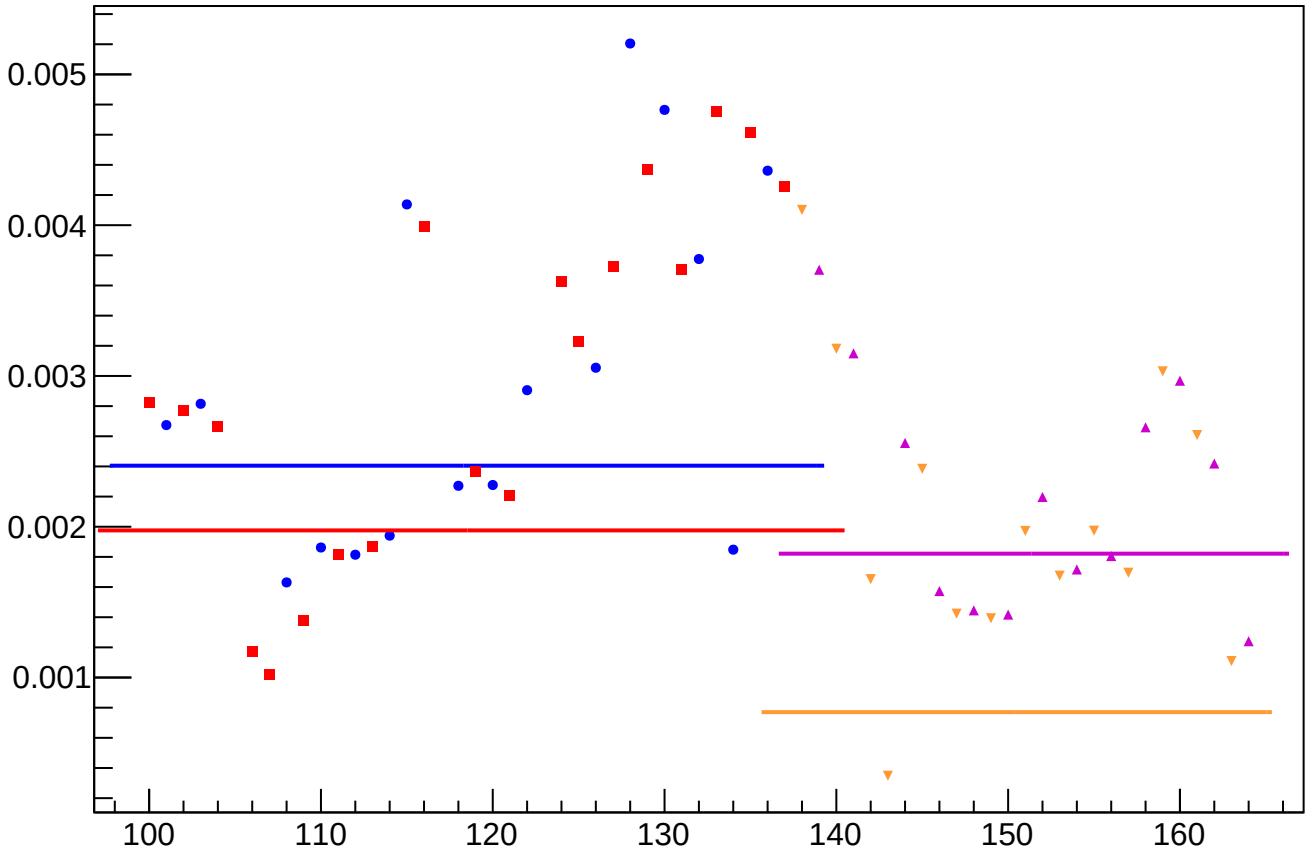
Left: -0.000+/-0.000 χ^2/NDF: 61.3/26

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:30.0/28

Out: -0.000+/-0.000 χ^2/NDF:63.9/32

All: -0.000+/-0.000 χ^2/NDF: 94.5/61



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9881703.1/13

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1980534.9/12

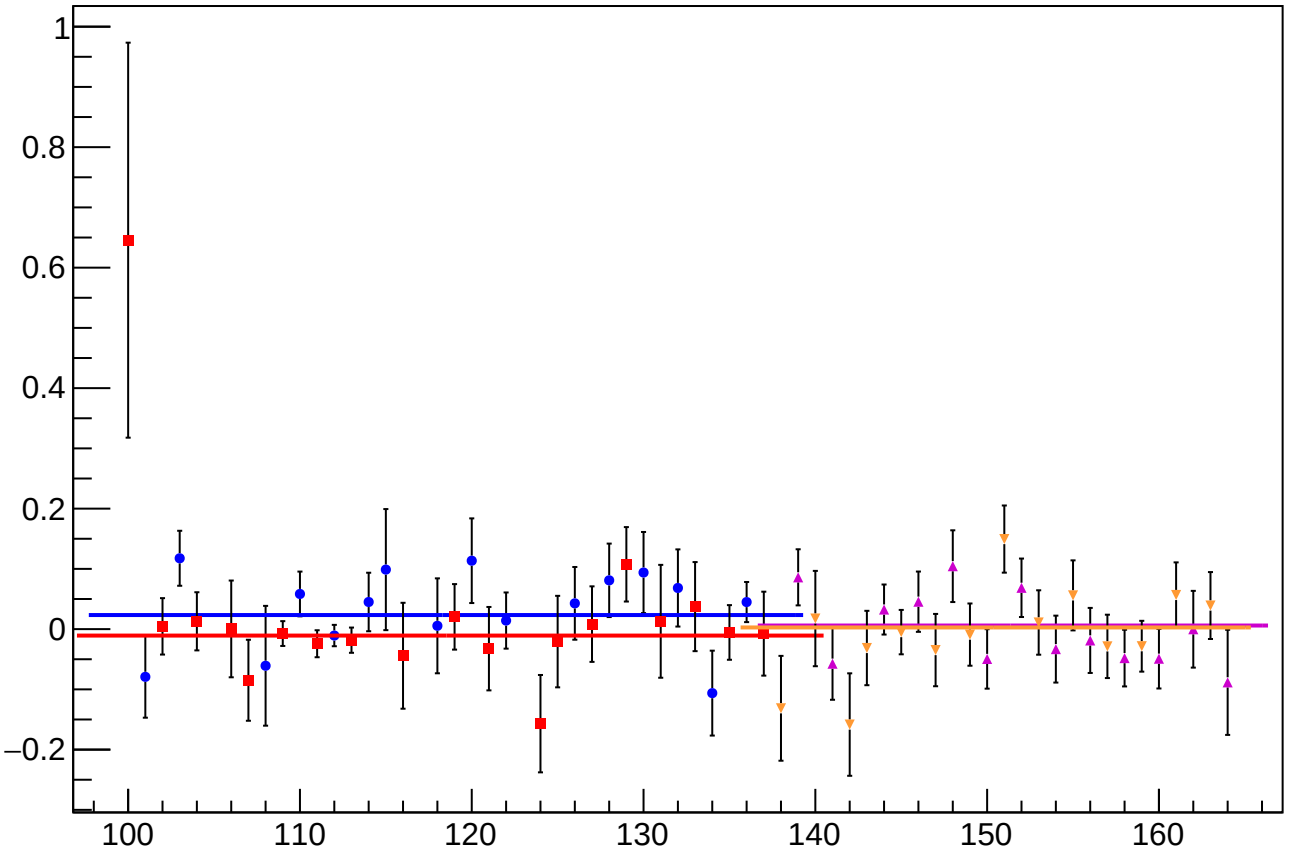
Left: 0.001+/-0.000 χ^2/NDF: 16782694.3/26

Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:4093914.8/28

Out: 0.001+/-0.000 χ^2/NDF:16464038.3/32

All: 0.001+/-0.000 χ^2/NDF: 27034480.9/61



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.003+/-0.015 χ^2/NDF:16.9/13

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.006+/-0.015 χ^2/NDF:15.2/12

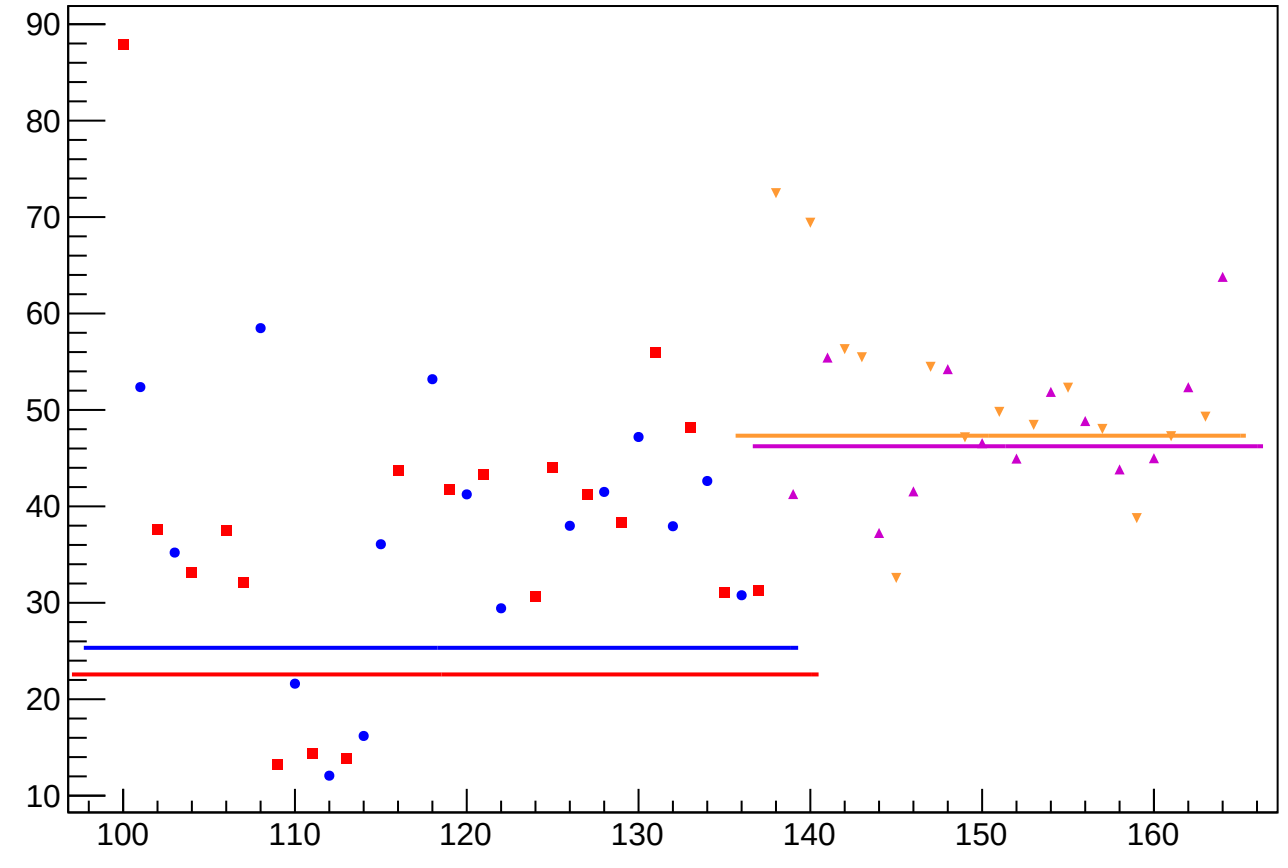
Left: 0.004+/-0.010 χ^2/NDF: 32.2/26

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:36.9/28

Out: -0.007+/-0.008 χ^2/NDF:31.7/32

All: 0.004+/-0.006 χ^2/NDF: 72.4/61



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.329+/-0.010 χ^2/NDF:833379.2/13

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.234+/-0.010 χ^2/NDF:349920.0/12

Left: 46.776+/-0.007 χ^2/NDF: 1188922.3/26

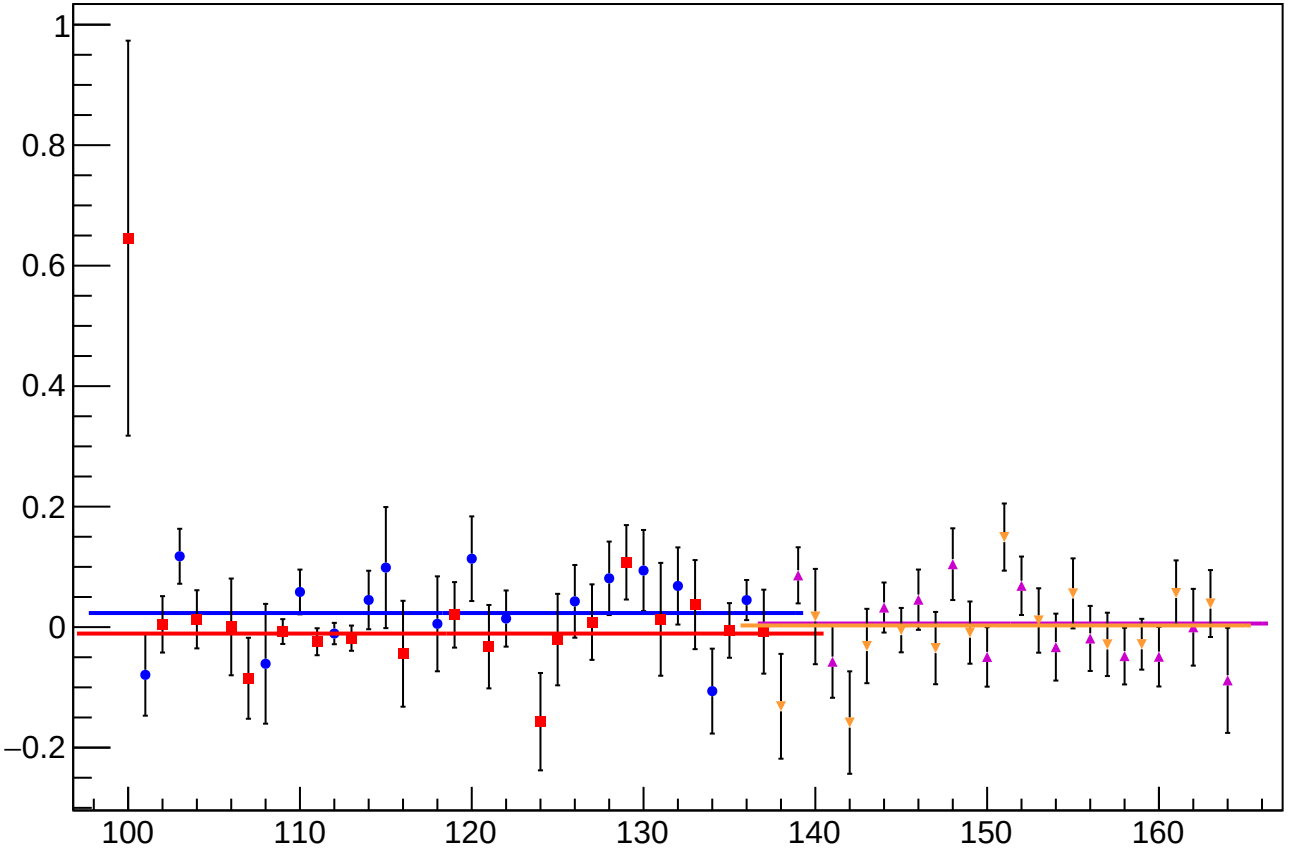
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 33.014+/-0.006 χ^2/NDF:5896476.0/28

Out: 30.204+/-0.006 χ^2/NDF:7907363.7/32

All: 31.501+/-0.004 χ^2/NDF: 13913506.8/61

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.003+/-0.015 χ^2/NDF:16.9/13

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.006+/-0.015 χ^2/NDF:15.2/12

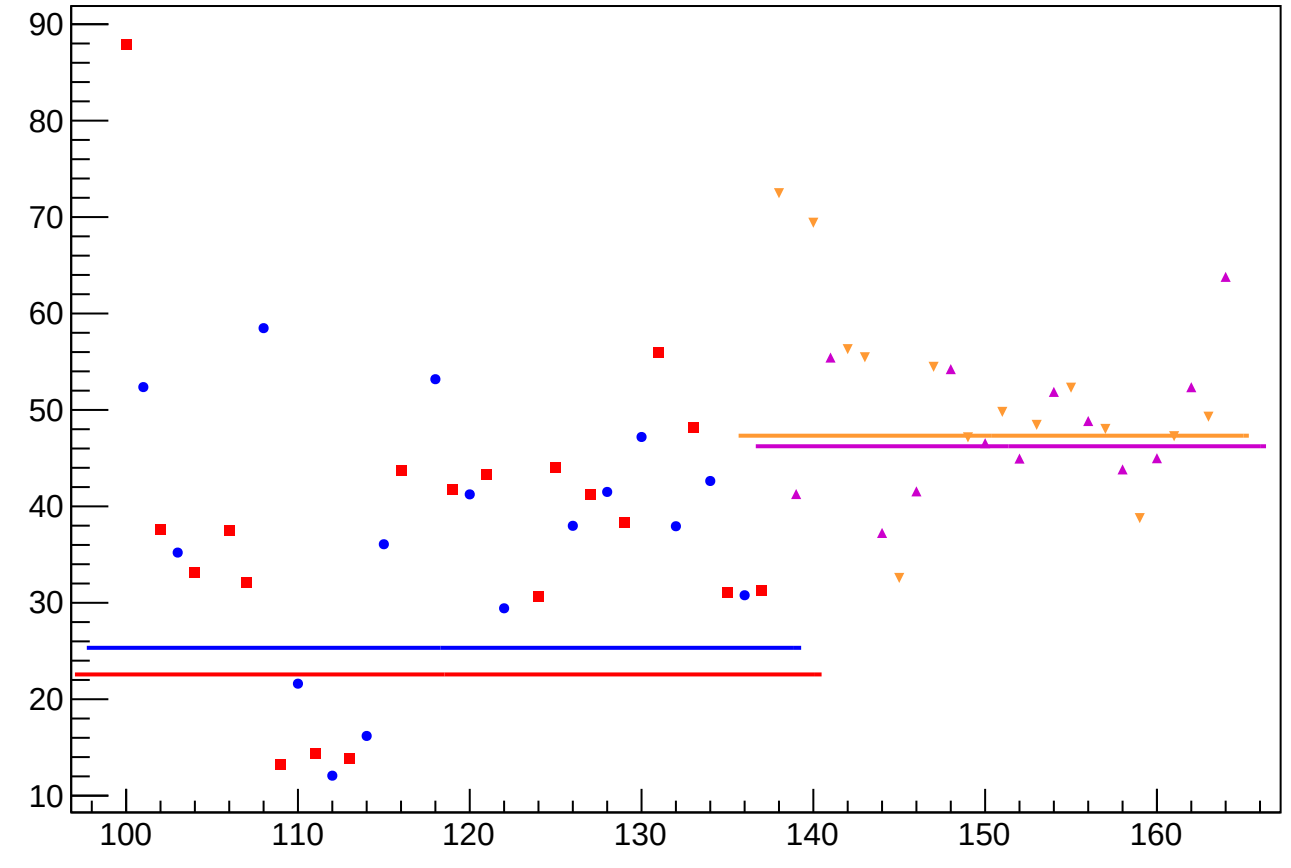
Left: 0.004+/-0.010 χ^2/NDF: 32.2/26

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.017+/-0.009 χ^2/NDF:36.9/28

Out: -0.007+/-0.008 χ^2/NDF:31.7/32

All: 0.004+/-0.006 χ^2/NDF: 72.4/61



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.329+/-0.010 χ^2/NDF:833379.2/13

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 46.234+/-0.010 χ^2/NDF:349920.0/12

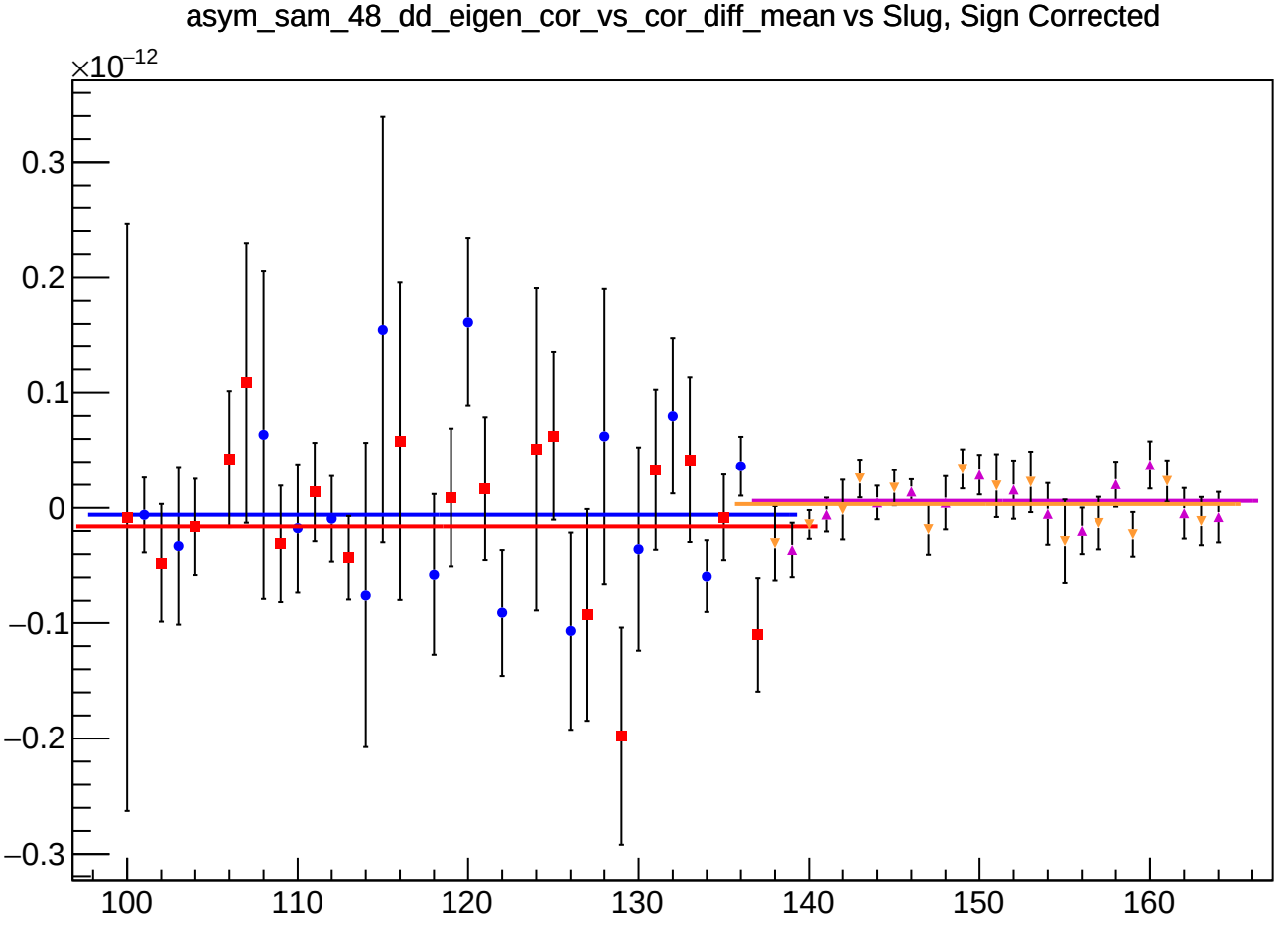
Left: 46.776+/-0.007 χ^2/NDF: 1188922.3/26

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 33.014+/-0.006 χ^2/NDF:5896476.0/28

Out: 30.204+/-0.006 χ^2/NDF:7907363.7/32

All: 31.501+/-0.004 χ^2/NDF: 13913506.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.8/12

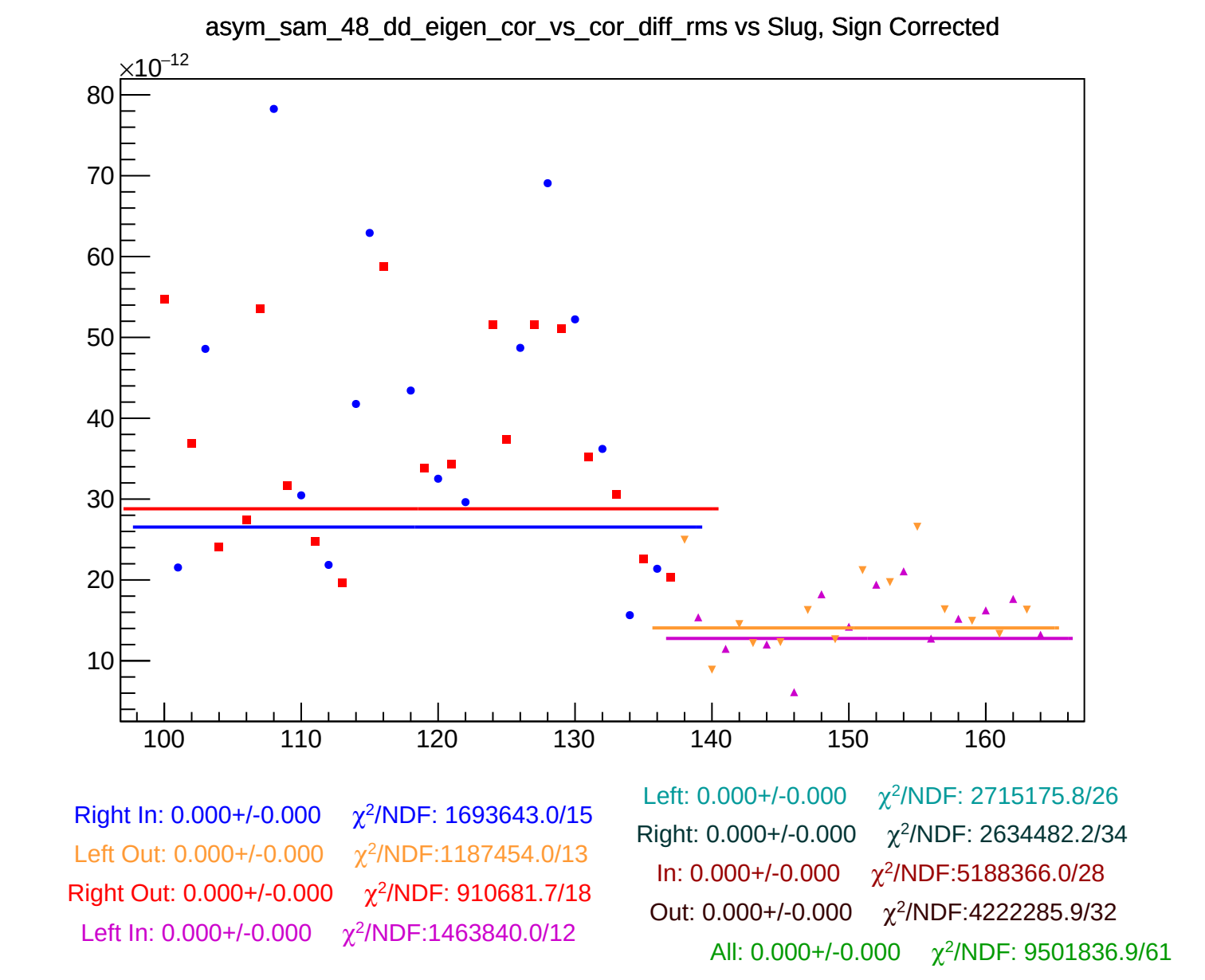
Left: 0.000+/-0.000 χ^2/NDF: 27.8/26

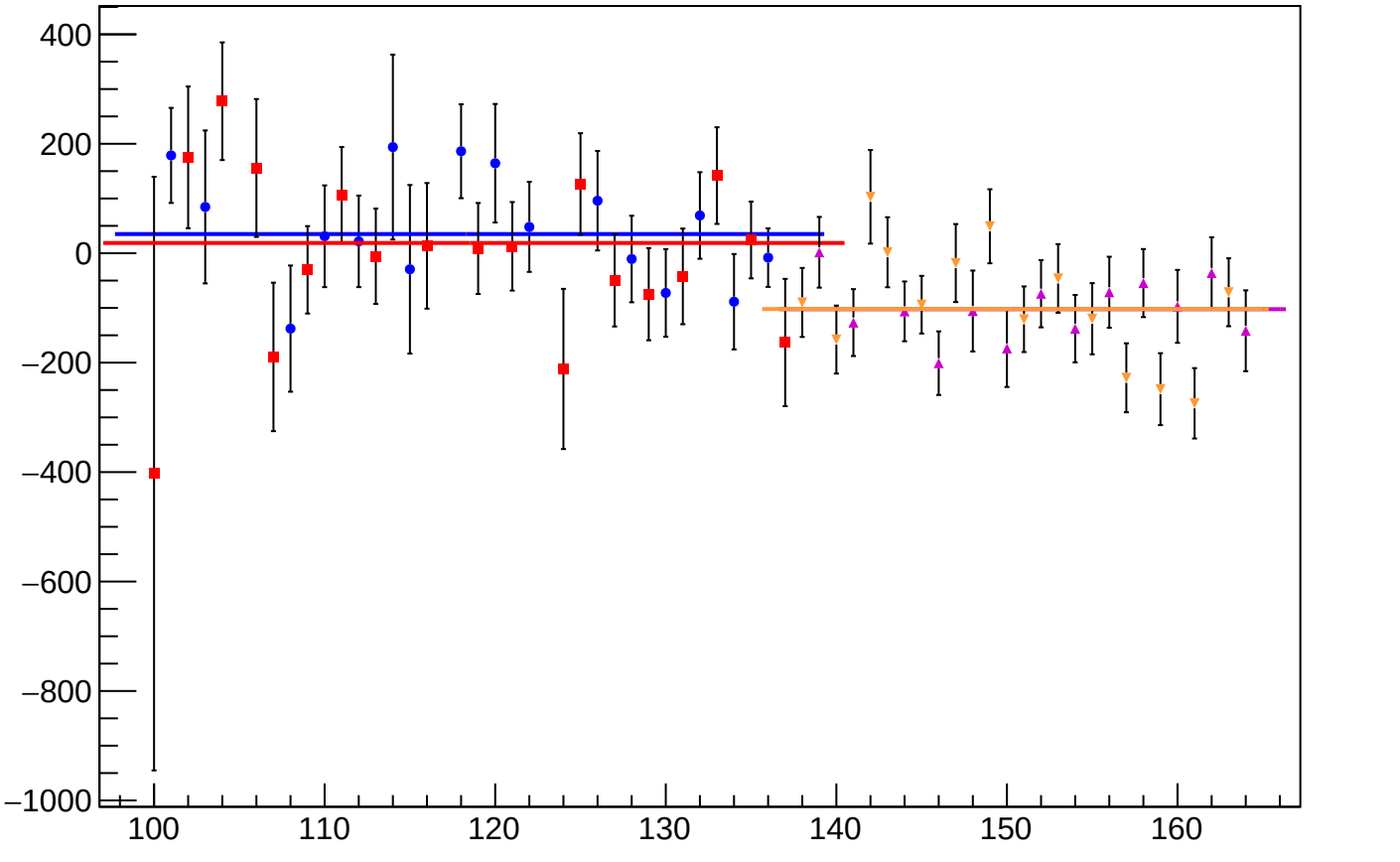
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:31.3/28

Out: 0.000+/-0.000 χ^2/NDF:32.7/32

All: 0.000+/-0.000 χ^2/NDF: 64.3/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1187454.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1463840.0/12
Left: 0.000+/-0.000 χ²/NDF: 2715175.8/26
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5188366.0/28
Out: 0.000+/-0.000 χ²/NDF:4222285.9/32
All: 0.000+/-0.000 χ²/NDF: 9501836.9/61



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -102.014+/-17.096 χ^2/NDF:33.0/13

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -102.290+/-17.700 χ^2/NDF:9.4/12

Left: -102.147+/-12.297 χ^2/NDF: 42.3/26

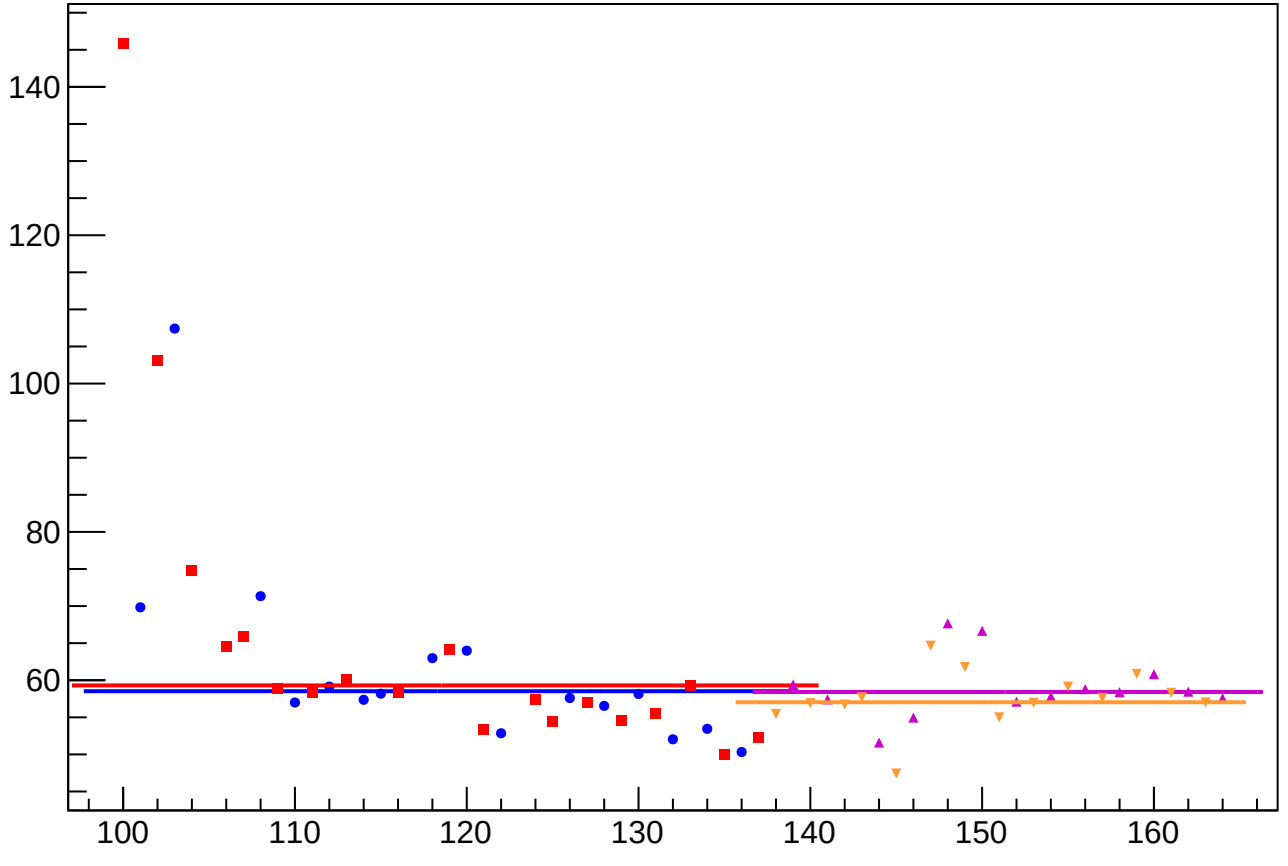
Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -48.735+/-13.824 χ^2/NDF:49.0/28

Out: -56.919+/-13.531 χ^2/NDF:75.1/32

All: -52.915+/-9.670 χ^2/NDF: 124.3/61

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 57.036+/-0.012 χ^2/NDF:112865.5/13

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.417+/-0.013 χ^2/NDF:102060.7/12

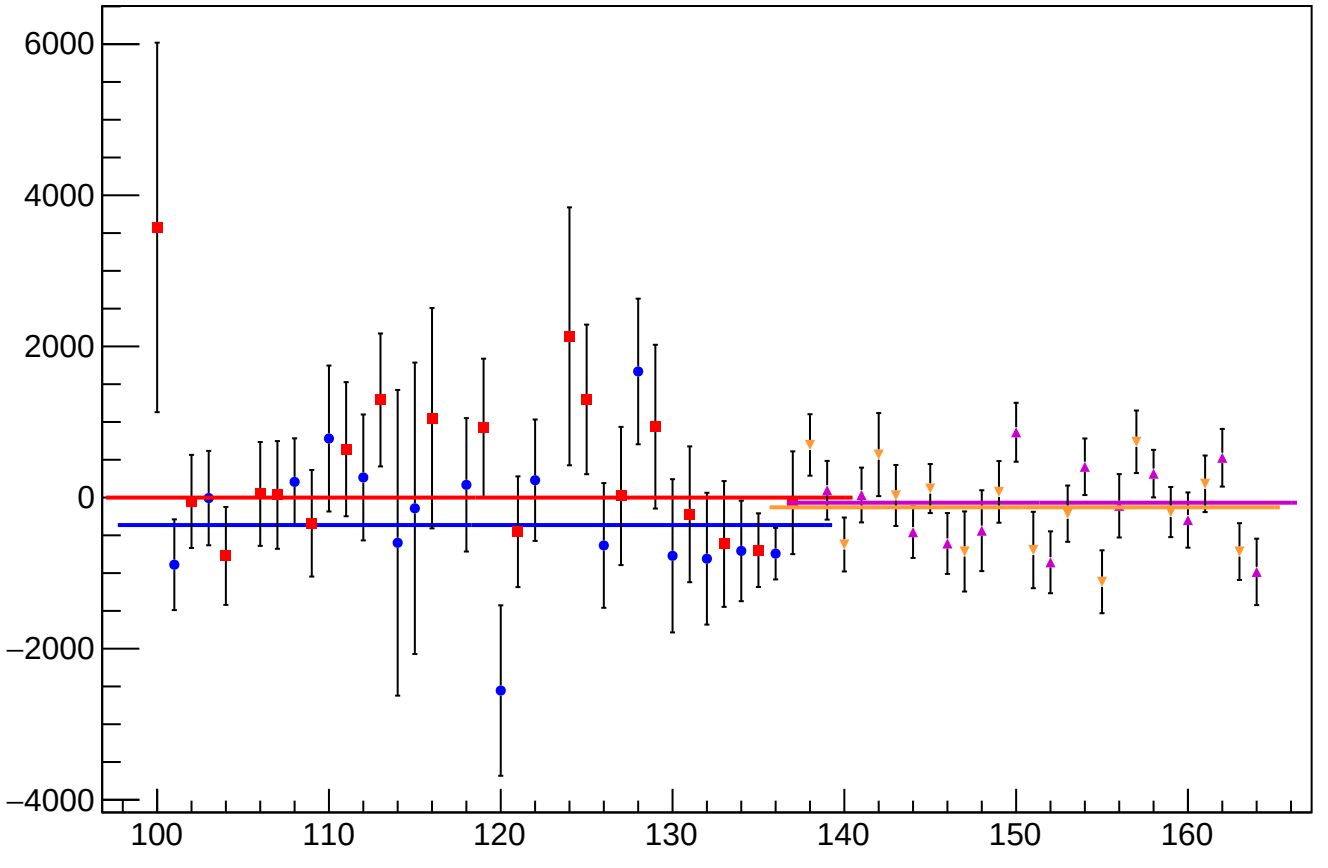
Left: 57.703+/-0.009 χ^2/NDF: 221231.5/26

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.458+/-0.010 χ^2/NDF:494830.2/28

Out: 57.882+/-0.010 χ^2/NDF:532598.9/32

All: 58.164+/-0.007 χ^2/NDF: 1029202.2/61



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -129.661+/-106.312 χ^2/NDF:24.3/13

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -68.206+/-106.950 χ^2/NDF:23.5/12

Left: -99.117+/-75.398 χ^2/NDF: 48.0/26

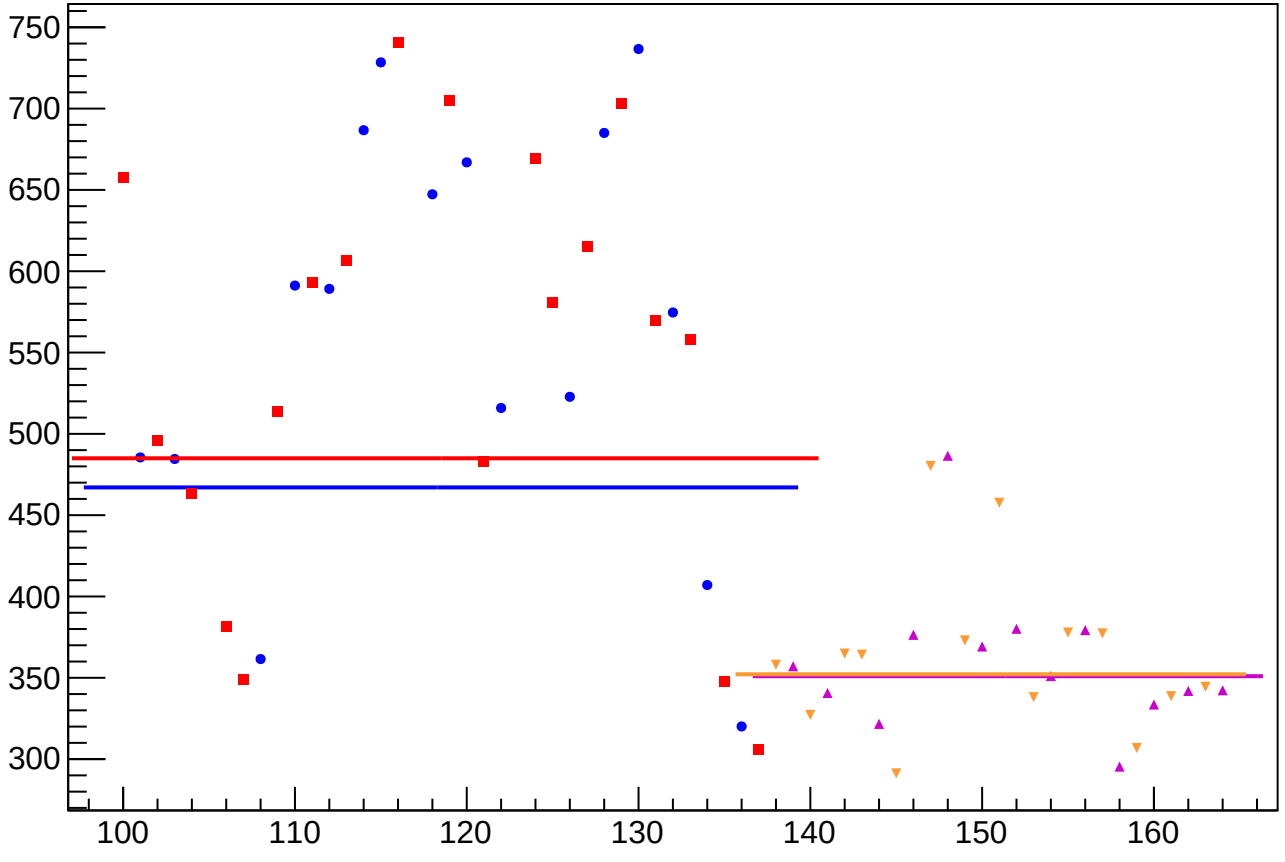
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -145.025+/-92.024 χ^2/NDF:40.7/28

Out: -97.110+/-91.936 χ^2/NDF:39.7/32

All: -121.044+/-65.040 χ^2/NDF: 80.6/61

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: 352.175+/-0.075 χ^2/NDF:351426.6/13

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 350.982+/-0.076 χ^2/NDF:245669.9/12

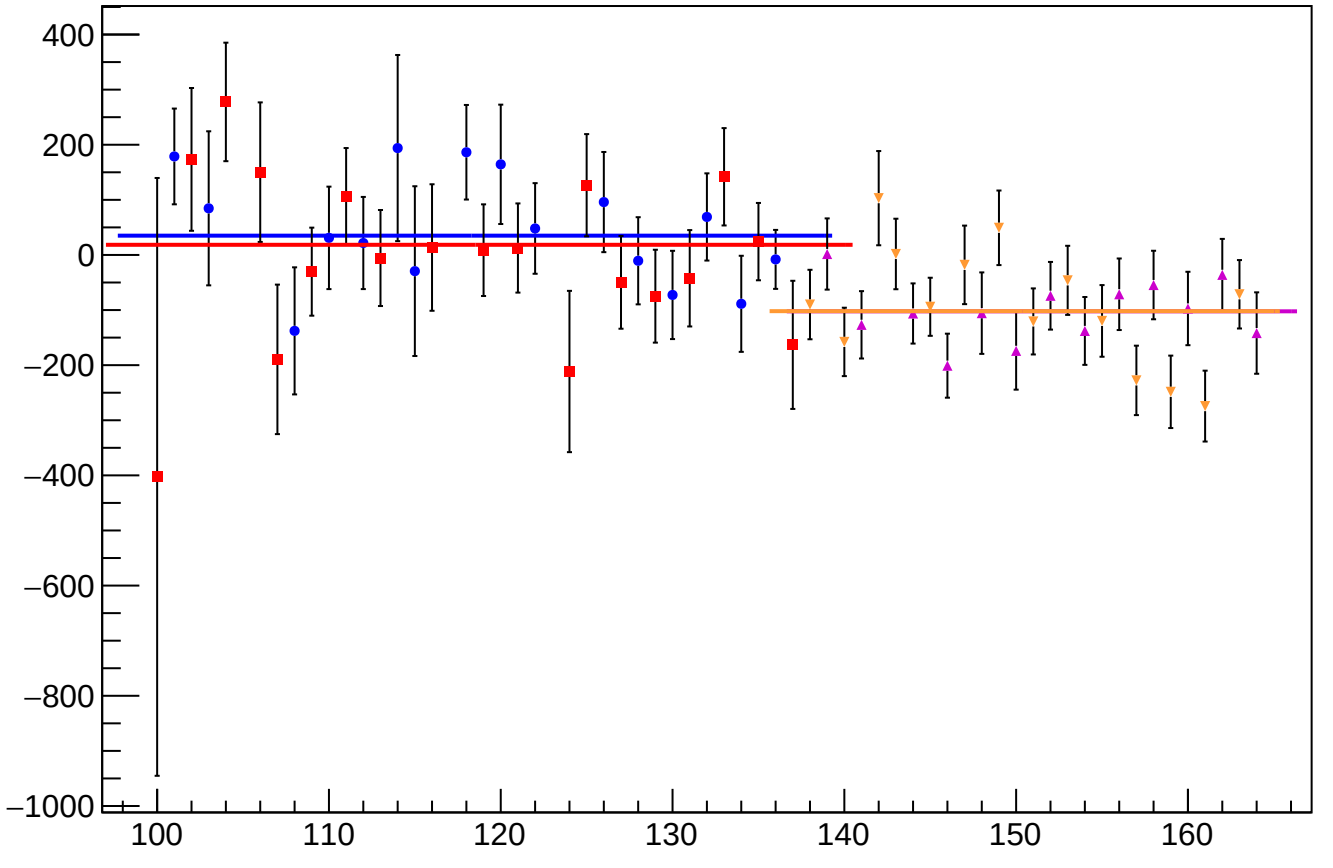
Left: 351.582+/-0.053 χ^2/NDF: 597221.7/26

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 381.122+/-0.065 χ^2/NDF:1887732.8/28

Out: 385.663+/-0.065 χ^2/NDF:2012530.0/32

All: 383.395+/-0.046 χ^2/NDF: 3902700.0/61



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -102.011+/-17.096 χ^2/NDF:33.0/13

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -102.291+/-17.700 χ^2/NDF:9.4/12

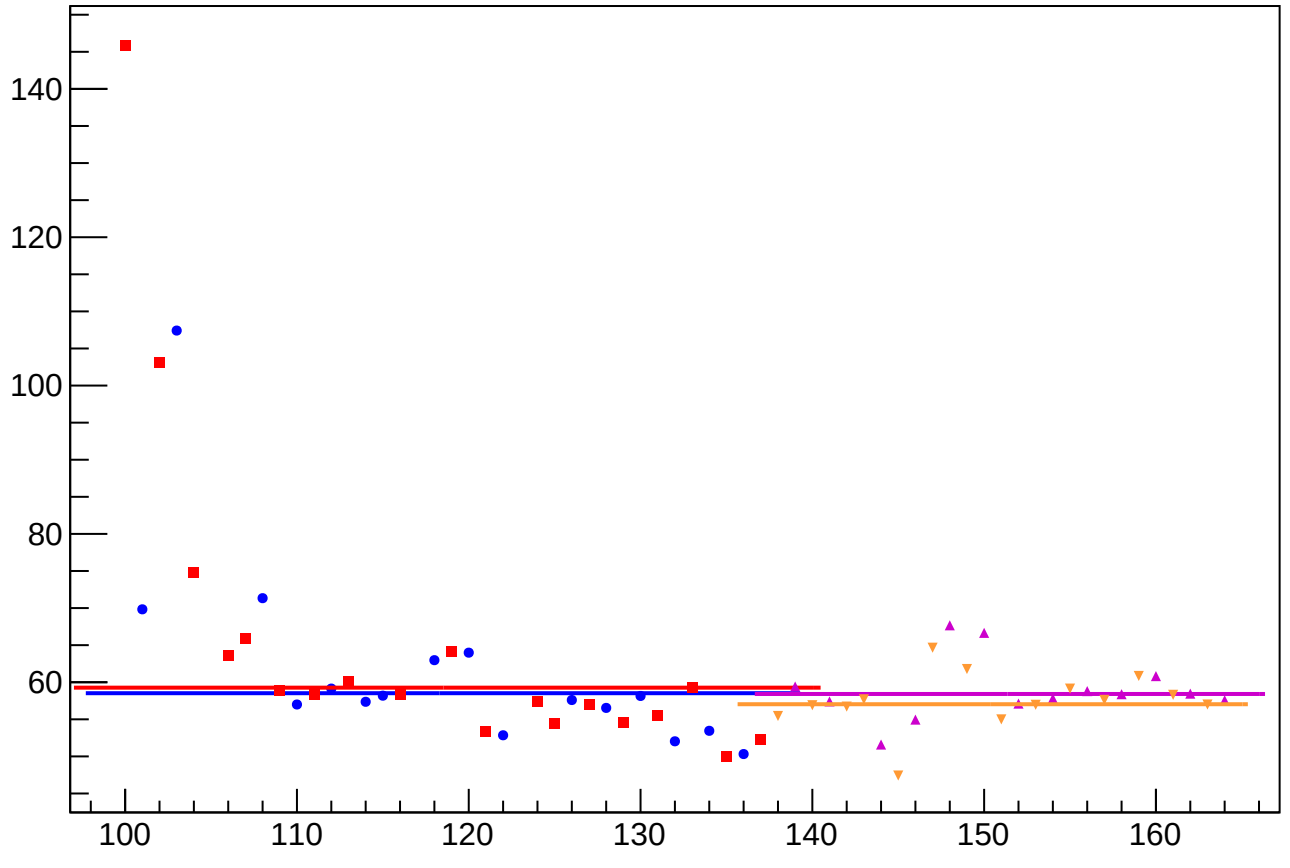
Left: -102.146+/-12.297 χ^2/NDF: 42.3/26

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -48.736+/-13.824 χ^2/NDF:49.0/28

Out: -57.030+/-13.532 χ^2/NDF:74.9/32

All: -52.972+/-9.670 χ^2/NDF: 124.1/61



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.036+/-0.012 χ^2/NDF:112865.5/13

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.417+/-0.013 χ^2/NDF:102060.7/12

Left: 57.703+/-0.009 χ^2/NDF: 221231.6/26

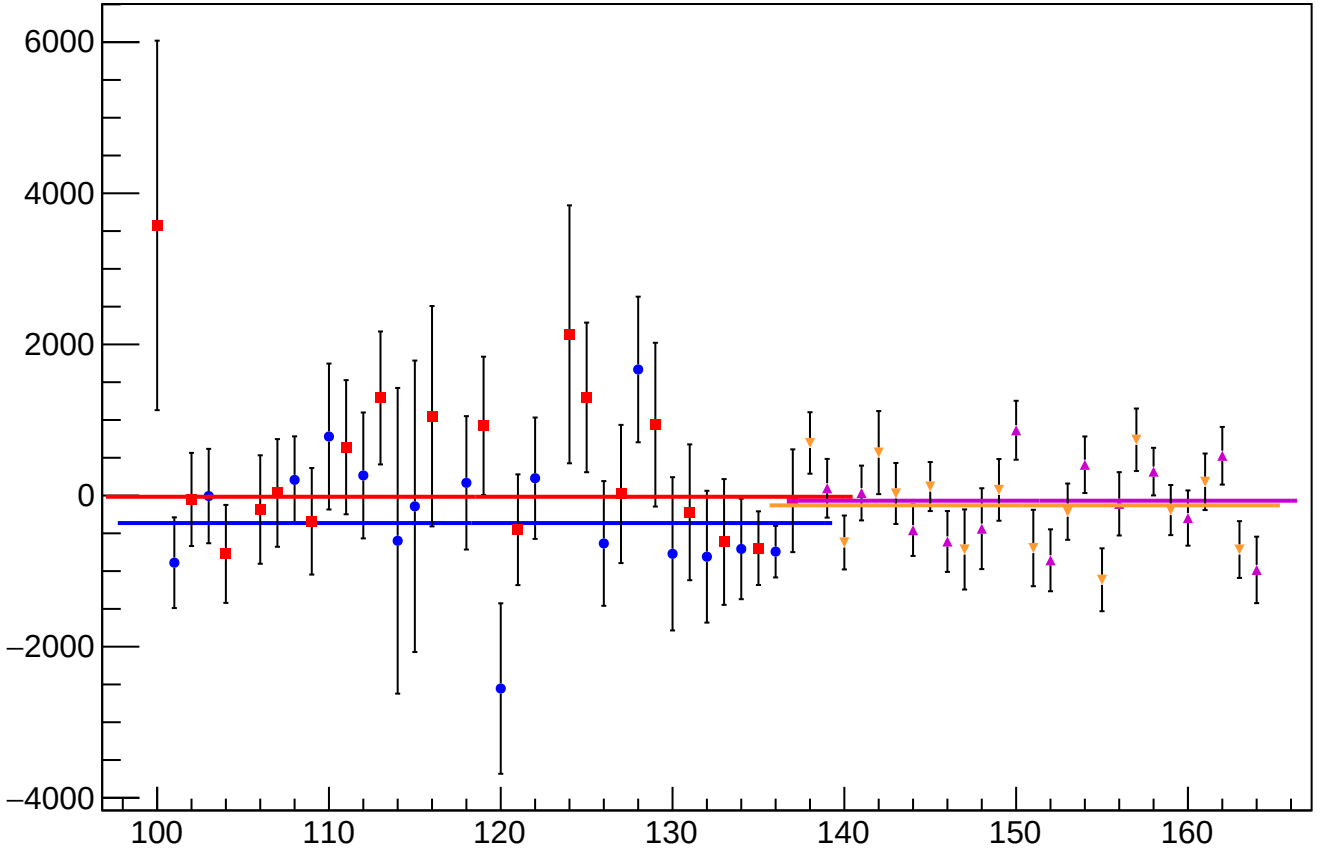
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.458+/-0.010 χ^2/NDF:494832.3/28

Out: 57.870+/-0.010 χ^2/NDF:531234.7/32

All: 58.158+/-0.007 χ^2/NDF: 1027915.1/61

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: -129.660+/-106.312 χ^2/NDF:24.3/13

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -68.206+/-106.950 χ^2/NDF:23.5/12

Left: -99.117+/-75.398 χ^2/NDF: 48.0/26

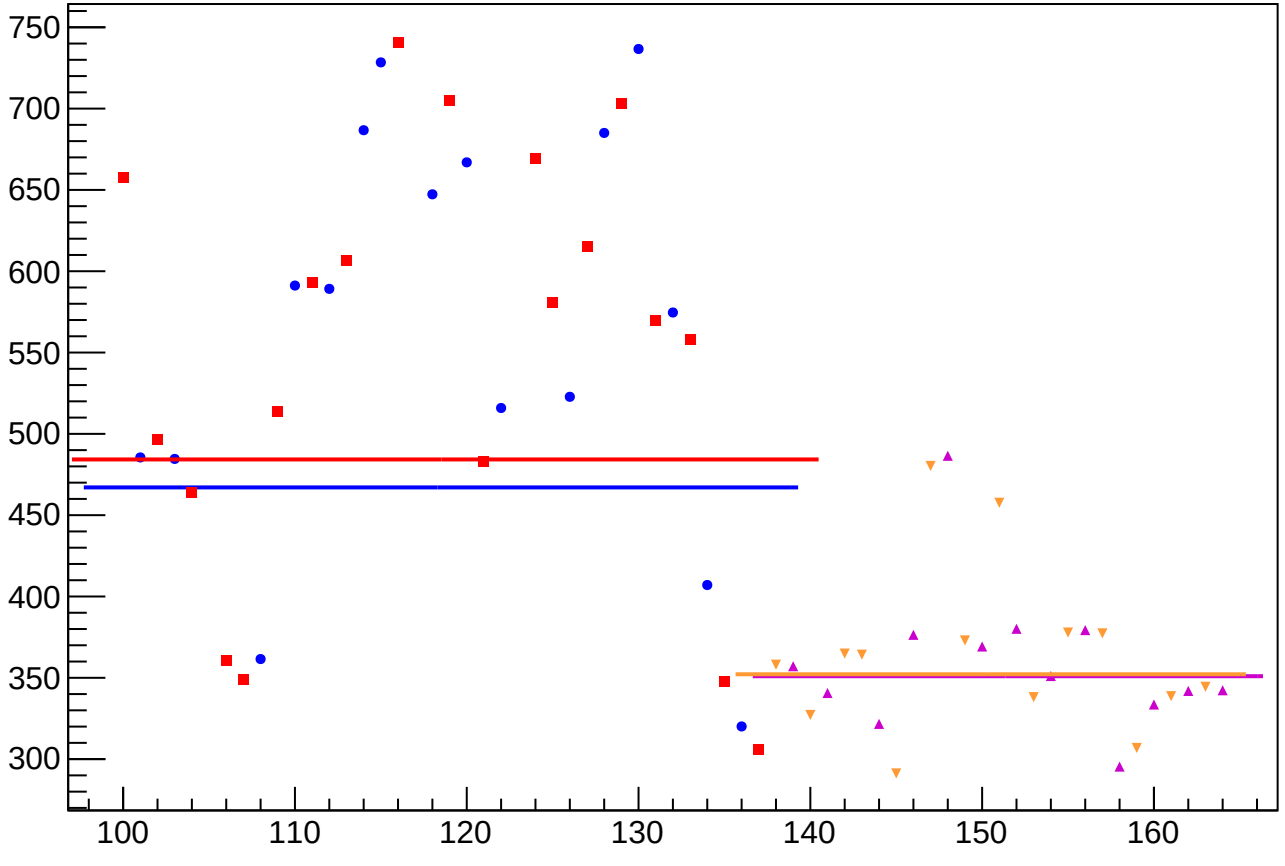
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -145.015+/-92.024 χ^2/NDF:40.7/28

Out: -101.154+/-92.008 χ^2/NDF:39.7/32

All: -123.080+/-65.065 χ^2/NDF: 80.6/61

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 352.175+/-0.075 χ^2/NDF:351427.4/13

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 350.982+/-0.076 χ^2/NDF:245669.8/12

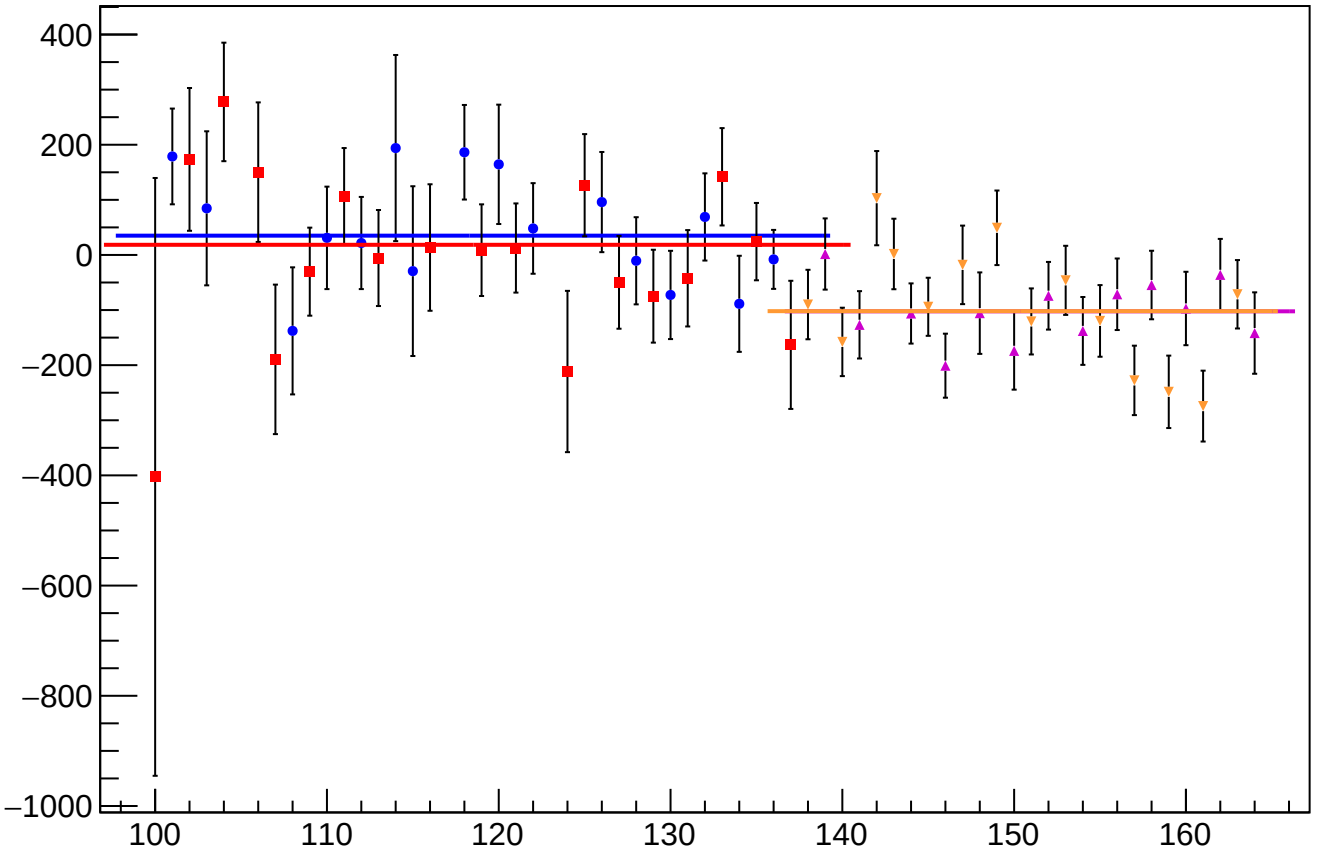
Left: 351.582+/-0.053 χ^2/NDF: 597222.4/26

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 381.122+/-0.065 χ^2/NDF:1887755.2/28

Out: 385.331+/-0.065 χ^2/NDF:2015272.7/32

All: 383.227+/-0.046 χ^2/NDF: 3905119.7/61



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -102.011+/-17.096 χ^2/NDF:33.0/13

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -102.291+/-17.700 χ^2/NDF:9.4/12

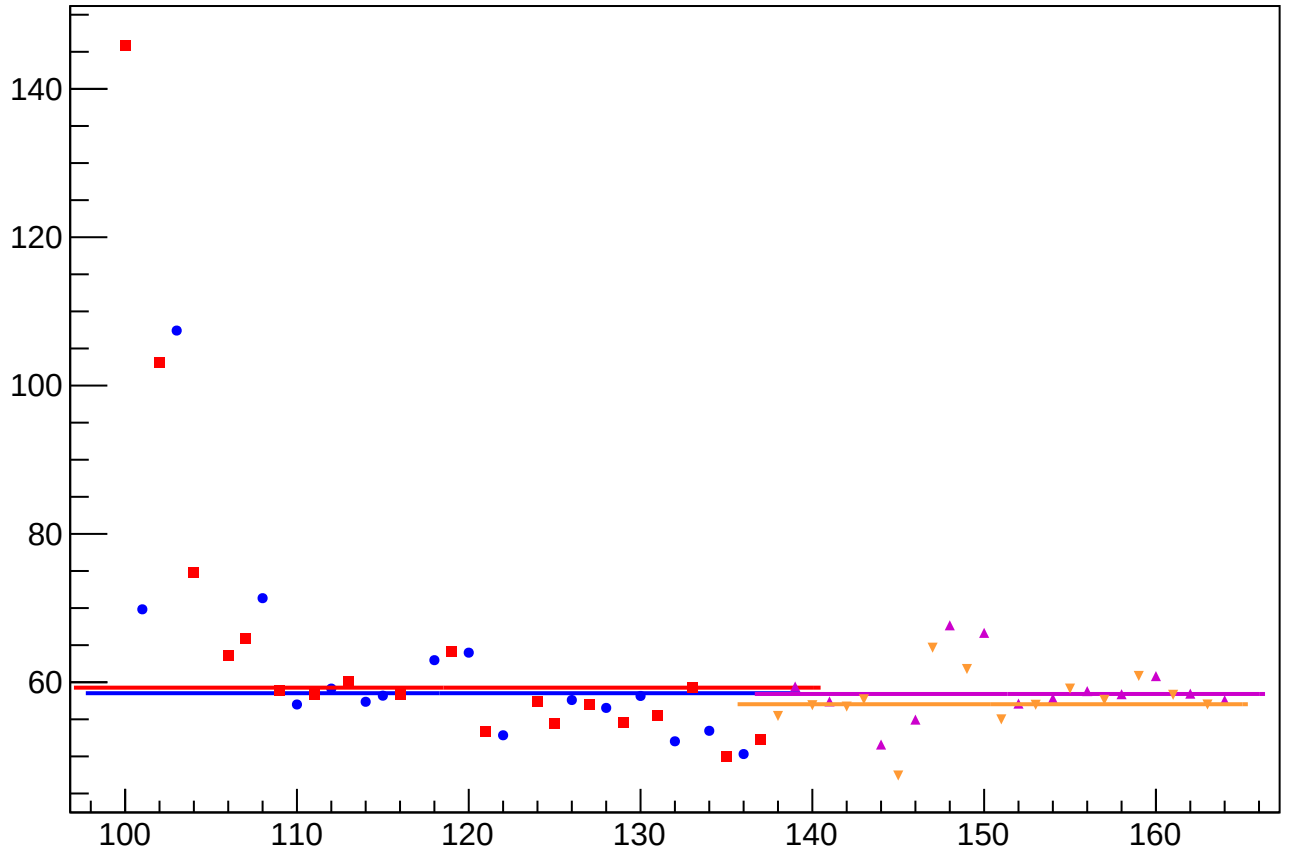
Left: -102.146+/-12.297 χ^2/NDF: 42.3/26

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -48.736+/-13.824 χ^2/NDF:49.0/28

Out: -57.030+/-13.532 χ^2/NDF:74.9/32

All: -52.972+/-9.670 χ^2/NDF: 124.1/61



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.036+/-0.012 χ^2/NDF:112865.5/13

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.417+/-0.013 χ^2/NDF:102060.7/12

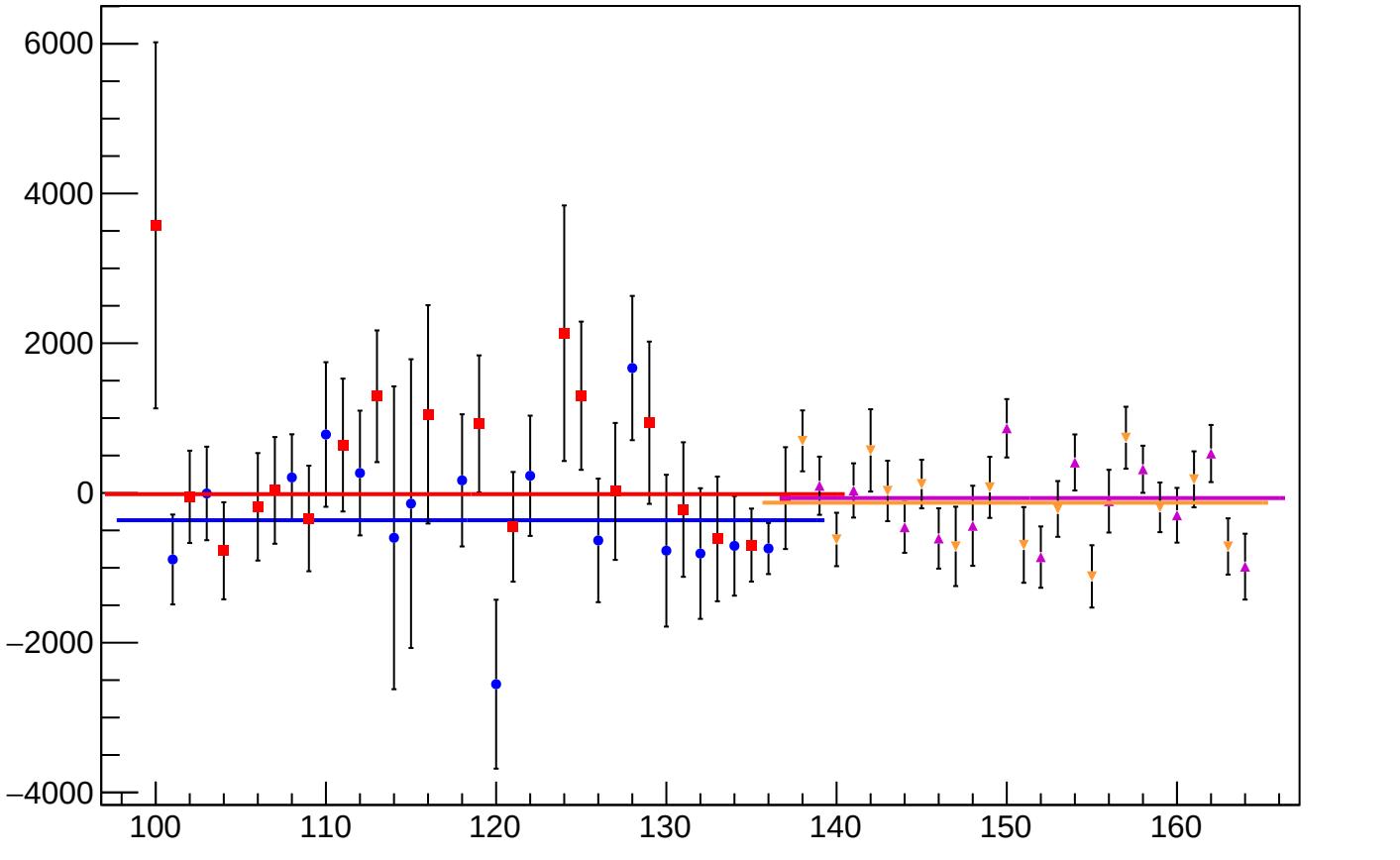
Left: 57.703+/-0.009 χ^2/NDF: 221231.6/26

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.458+/-0.010 χ^2/NDF:494832.3/28

Out: 57.870+/-0.010 χ^2/NDF:531234.7/32

All: 58.158+/-0.007 χ^2/NDF: 1027915.1/61



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -129.660+/-106.312 χ^2/NDF:24.3/13

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -68.206+/-106.950 χ^2/NDF:23.5/12

Left: -99.117+/-75.398 χ^2/NDF: 48.0/26

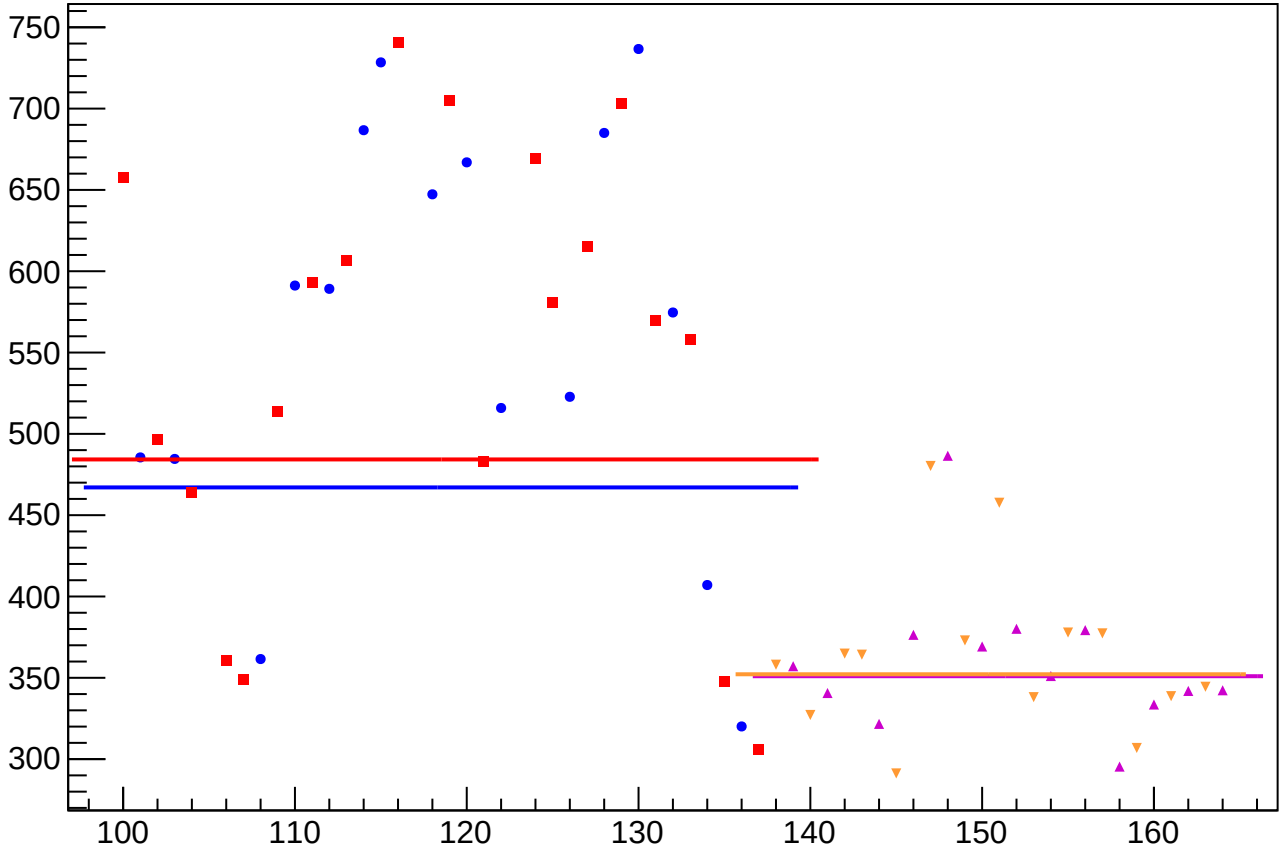
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -145.015+/-92.024 χ^2/NDF:40.7/28

Out: -101.154+/-92.008 χ^2/NDF:39.7/32

All: -123.080+/-65.065 χ^2/NDF: 80.6/61

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: 352.175+/-0.075 χ^2/NDF:351427.4/13

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 350.982+/-0.076 χ^2/NDF:245669.8/12

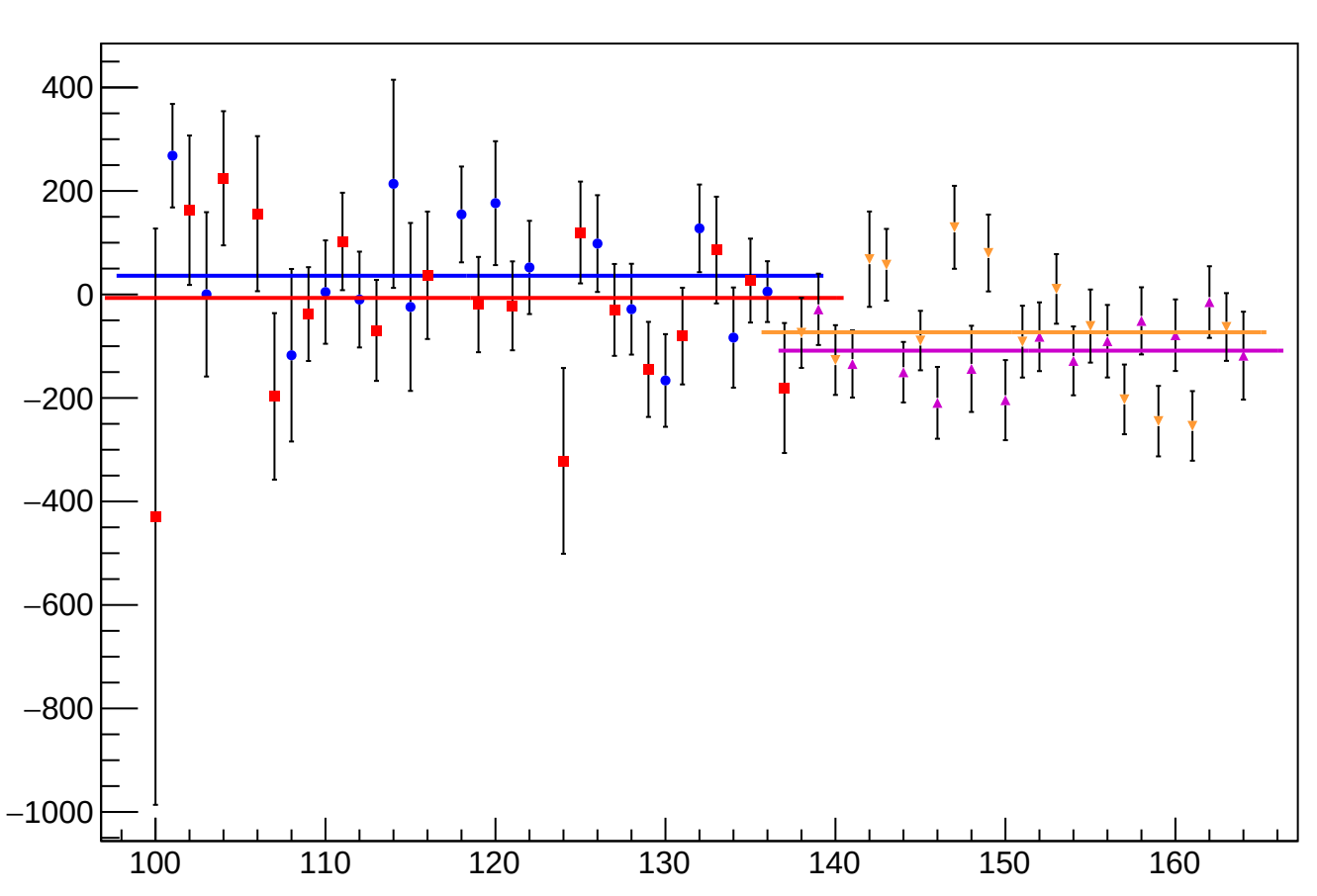
Left: 351.582+/-0.053 χ^2/NDF: 597222.4/26

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 381.122+/-0.065 χ^2/NDF:1887755.2/28

Out: 385.331+/-0.065 χ^2/NDF:2015272.7/32

All: 383.227+/-0.046 χ^2/NDF: 3905119.7/61



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -73.038+/-18.492 χ^2/NDF:36.2/13

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -108.573+/-19.210 χ^2/NDF:9.0/12

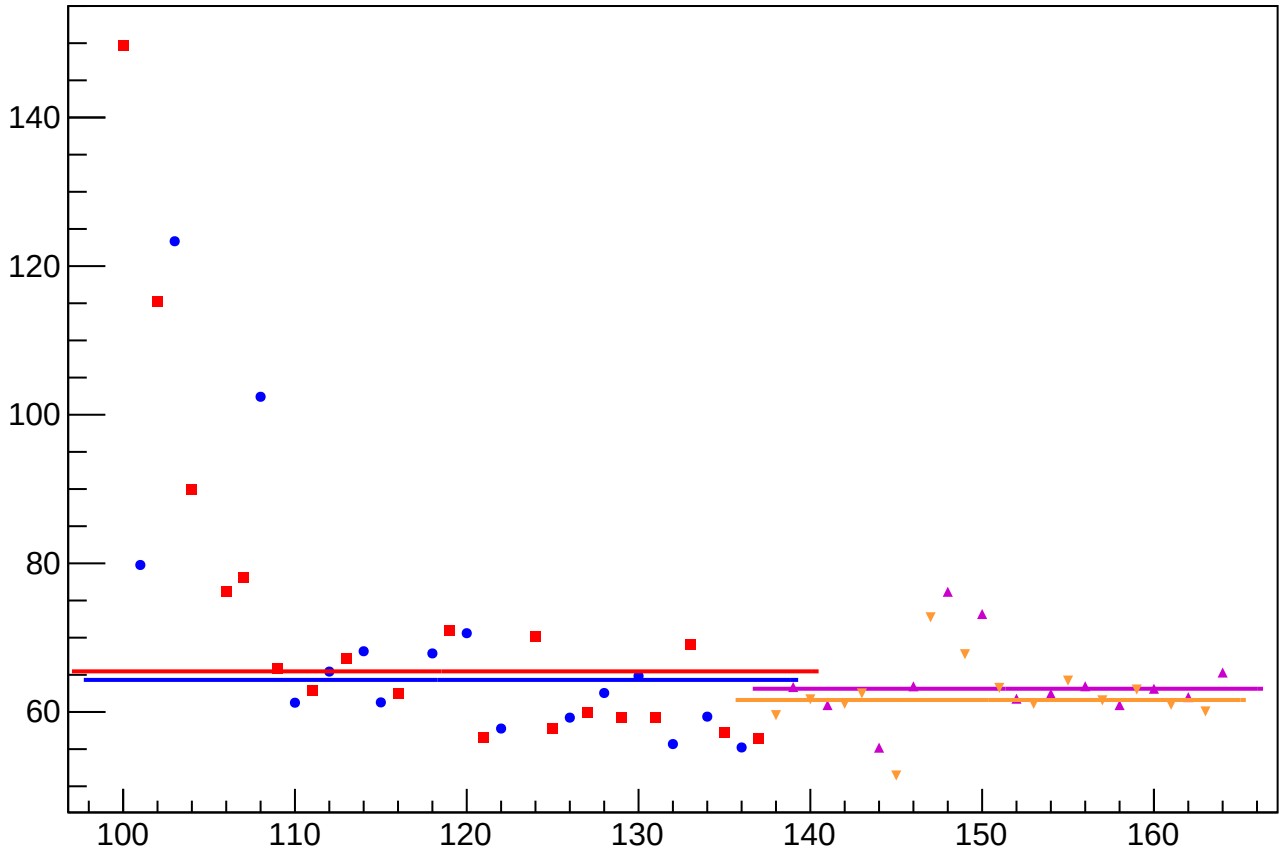
Left: -90.129+/-13.322 χ^2/NDF: 47.0/26

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -53.390+/-15.111 χ^2/NDF:50.3/28

Out: -49.055+/-14.774 χ^2/NDF:61.2/32

All: -51.174+/-10.564 χ^2/NDF: 111.5/61



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.614+/-0.013 χ^2/NDF:123169.2/13

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.126+/-0.014 χ^2/NDF:127266.9/12

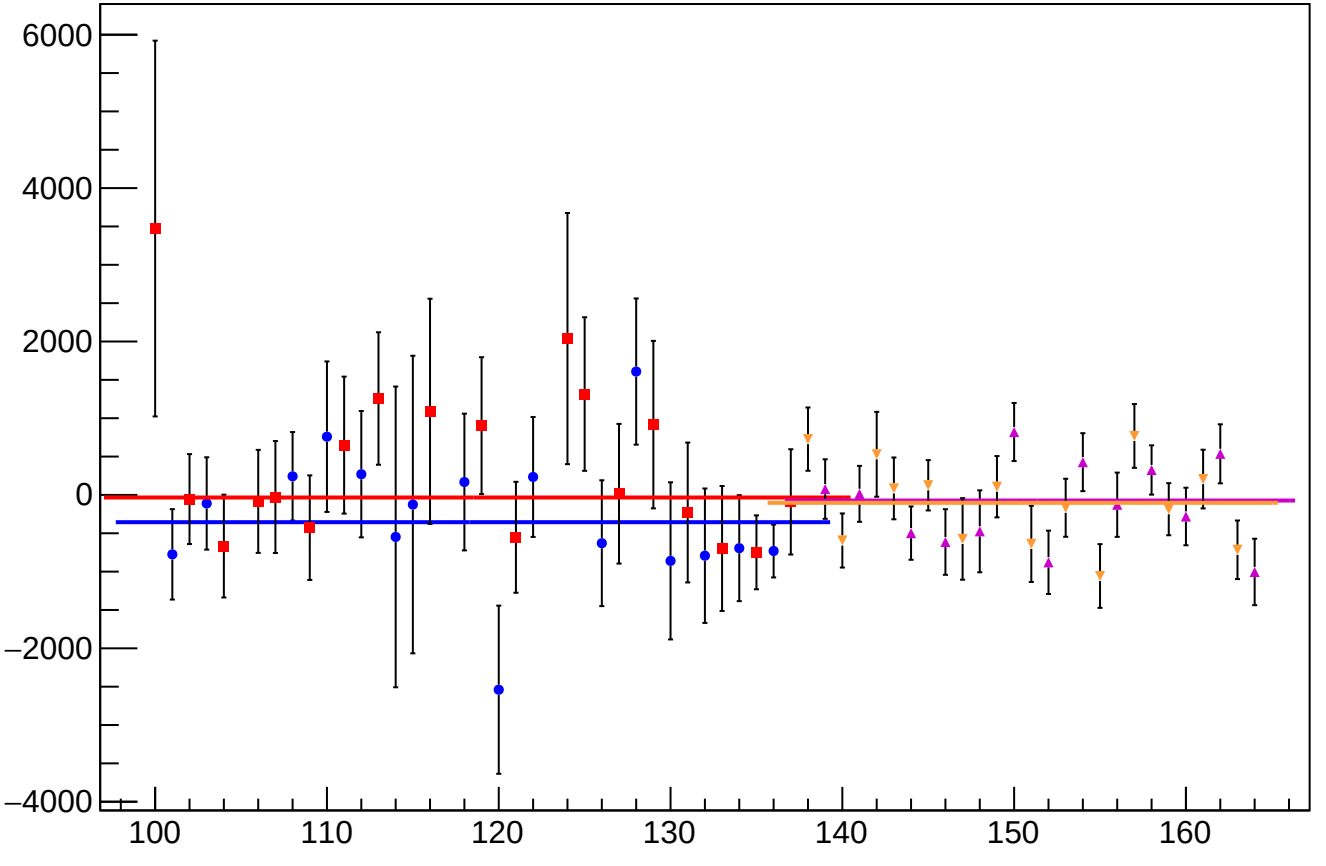
Left: 62.341+/-0.009 χ^2/NDF: 256872.2/26

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.580+/-0.011 χ^2/NDF:662258.2/28

Out: 63.007+/-0.010 χ^2/NDF:636926.6/32

All: 63.287+/-0.007 χ^2/NDF: 1300654.6/61



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -102.801+/-106.964 χ^2/NDF:23.2/13

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -73.240+/-107.953 χ^2/NDF:24.0/12

Left: -88.157+/-75.982 χ^2/NDF: 47.2/26

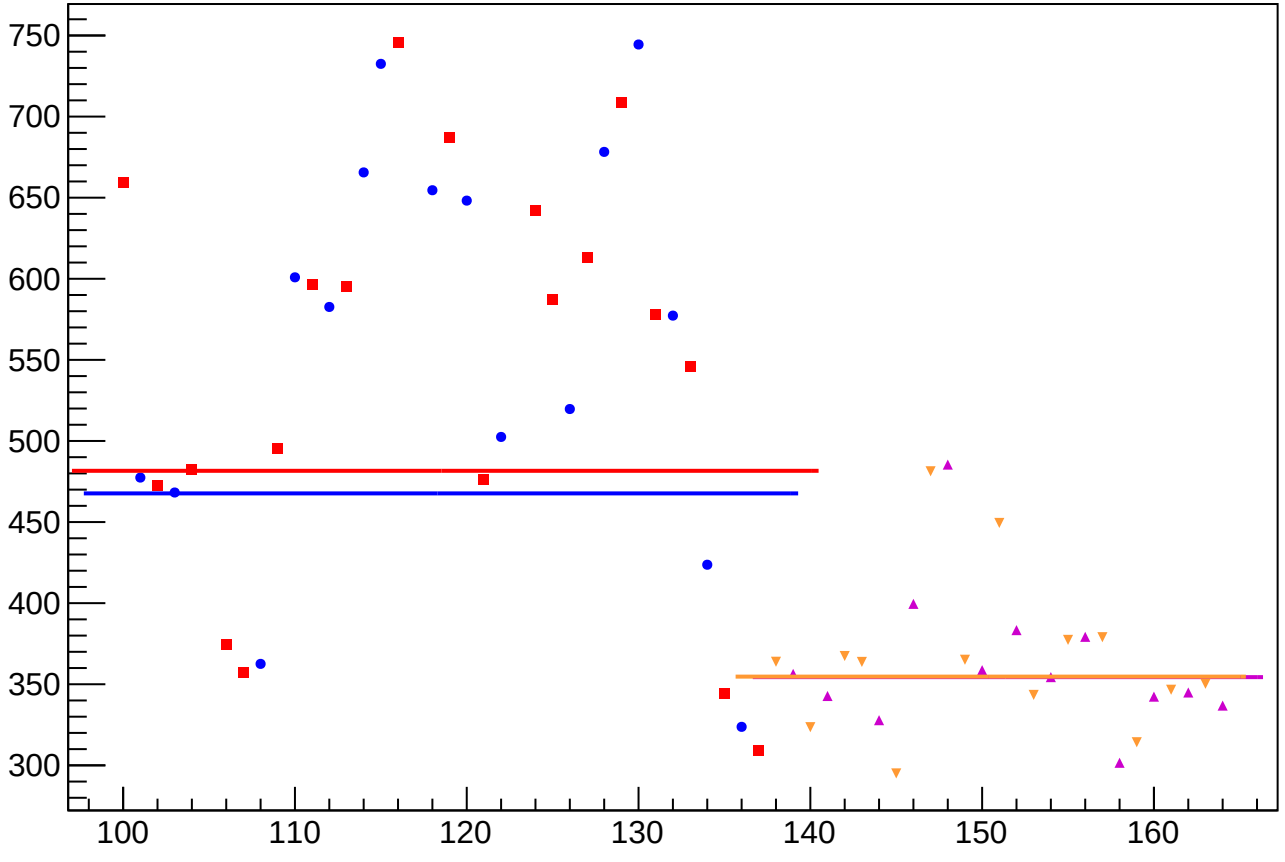
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -147.712+/-92.625 χ^2/NDF:40.6/28

Out: -85.019+/-92.160 χ^2/NDF:38.7/32

All: -116.208+/-65.331 χ^2/NDF: 79.5/61

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 354.705+/-0.076 χ^2/NDF:316462.2/13

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 354.388+/-0.076 χ^2/NDF:234164.1/12

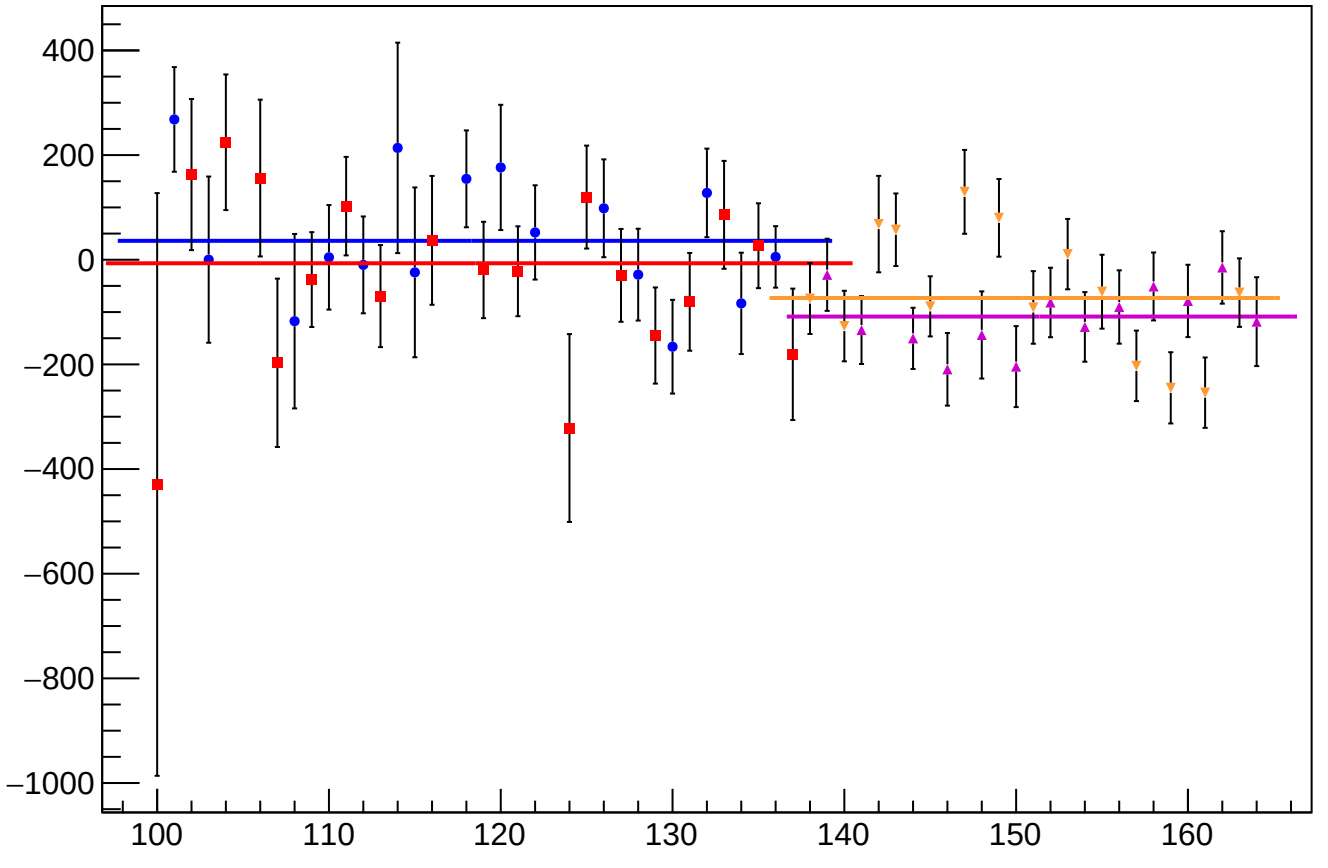
Left: 354.548+/-0.054 χ^2/NDF: 550634.9/26

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 384.274+/-0.065 χ^2/NDF:1801162.9/28

Out: 387.400+/-0.065 χ^2/NDF:1895977.1/32

All: 385.845+/-0.046 χ^2/NDF: 3698284.4/61



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -73.037+/-18.492 χ^2/NDF:36.2/13

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -108.573+/-19.210 χ^2/NDF:9.0/12

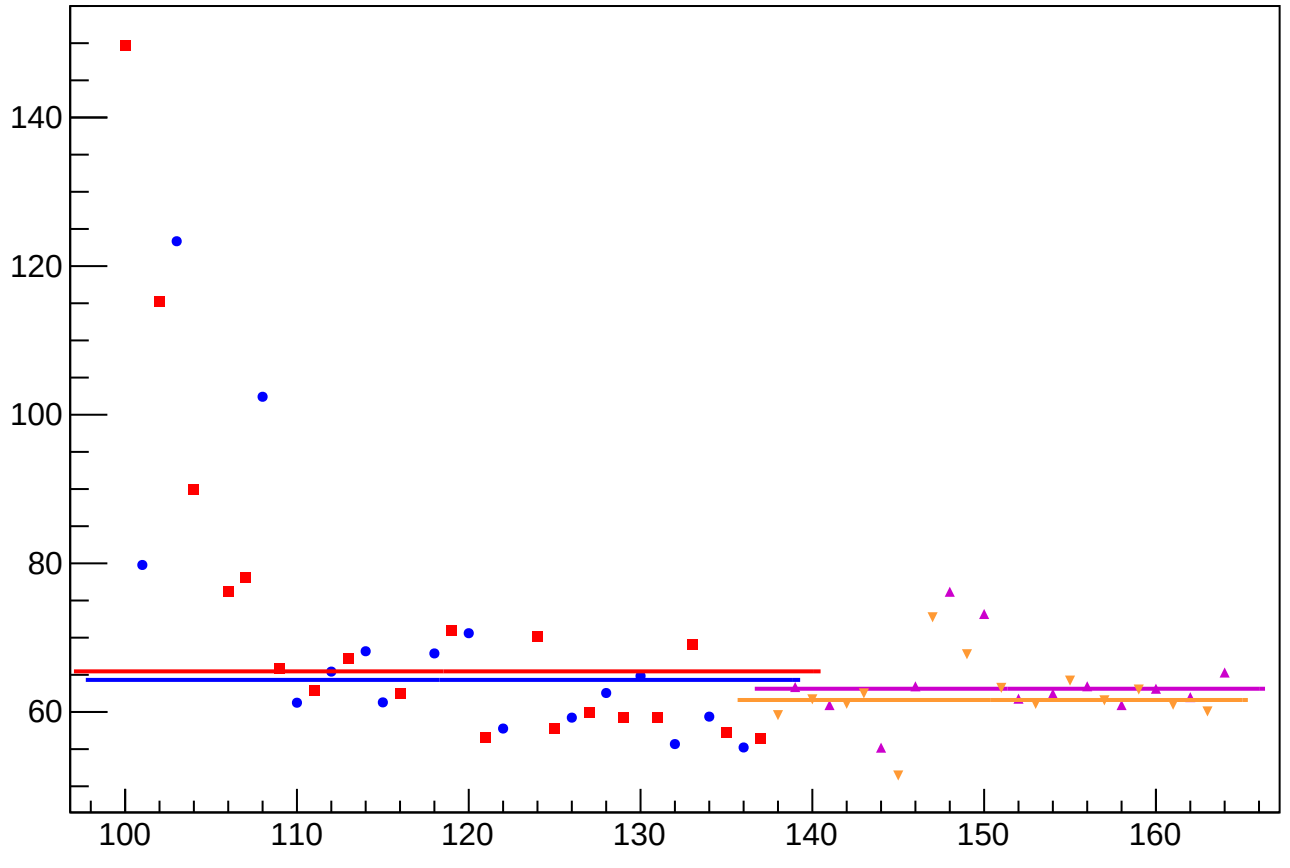
Left: -90.128+/-13.323 χ^2/NDF: 47.0/26

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -53.390+/-15.111 χ^2/NDF:50.3/28

Out: -49.055+/-14.774 χ^2/NDF:61.2/32

All: -51.174+/-10.564 χ^2/NDF: 111.5/61



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.614+/-0.013 χ^2/NDF:123172.6/13

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.126+/-0.014 χ^2/NDF:127269.9/12

Left: 62.341+/-0.009 χ^2/NDF: 256878.5/26

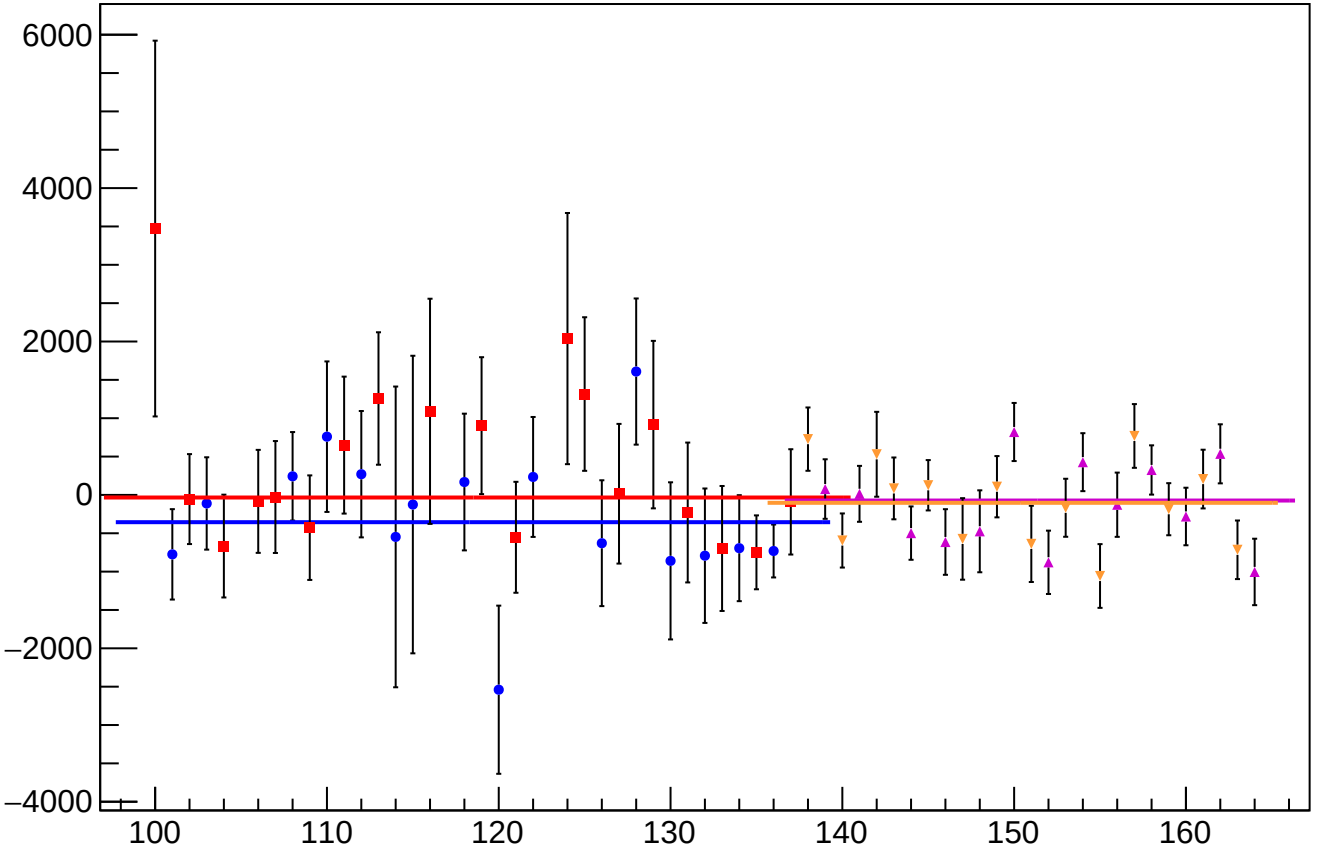
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.580+/-0.011 χ^2/NDF:662268.8/28

Out: 63.007+/-0.010 χ^2/NDF:636933.5/32

All: 63.287+/-0.007 χ^2/NDF: 1300672.1/61

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: -102.801+/-106.964 χ^2/NDF:23.2/13

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -73.240+/-107.953 χ^2/NDF:24.0/12

Left: -88.156+/-75.982 χ^2/NDF: 47.2/26

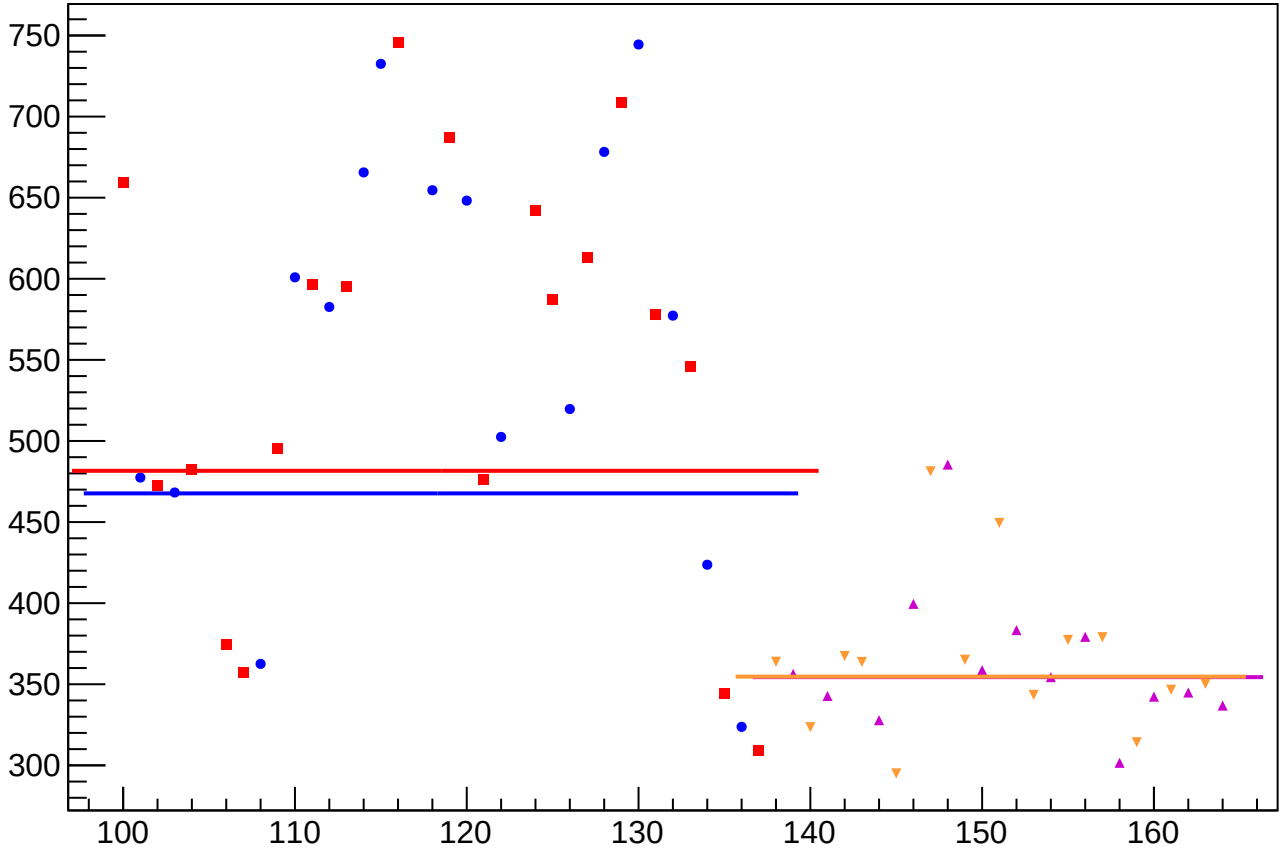
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -147.712+/-92.625 χ^2/NDF:40.6/28

Out: -85.019+/-92.160 χ^2/NDF:38.7/32

All: -116.208+/-65.331 χ^2/NDF: 79.5/61

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 354.705+/-0.076 χ^2/NDF:316462.6/13

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 354.388+/-0.076 χ^2/NDF:234165.3/12

Left: 354.548+/-0.054 χ^2/NDF: 550636.6/26

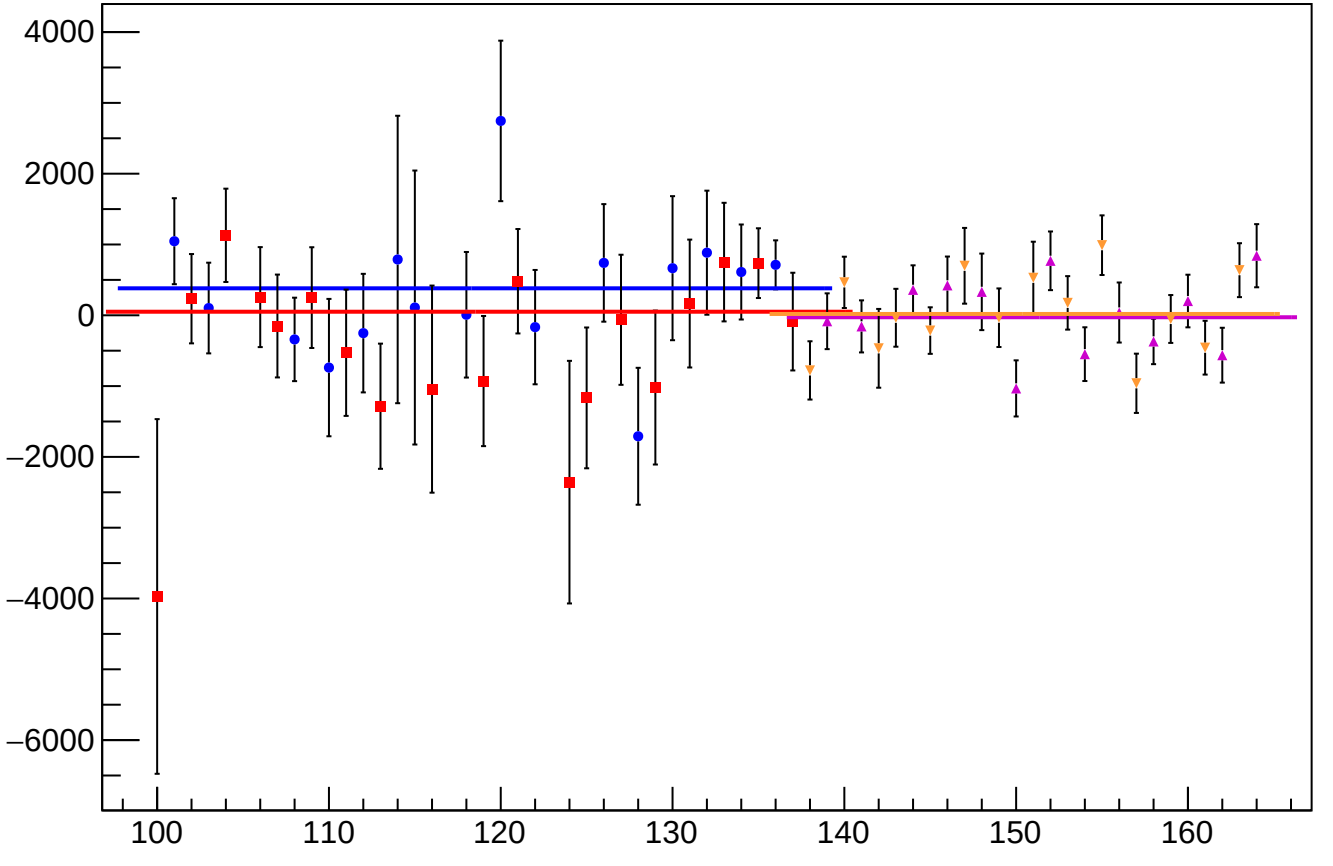
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 384.274+/-0.065 χ^2/NDF:1801159.9/28

Out: 387.400+/-0.065 χ^2/NDF:1895969.4/32

All: 385.845+/-0.046 χ^2/NDF: 3698273.7/61

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 18.691+/-107.763 χ^2/NDF:24.4/13

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -27.665+/-108.474 χ^2/NDF:22.3/12

Left: -4.334+/-76.450 χ^2/NDF: 46.8/26

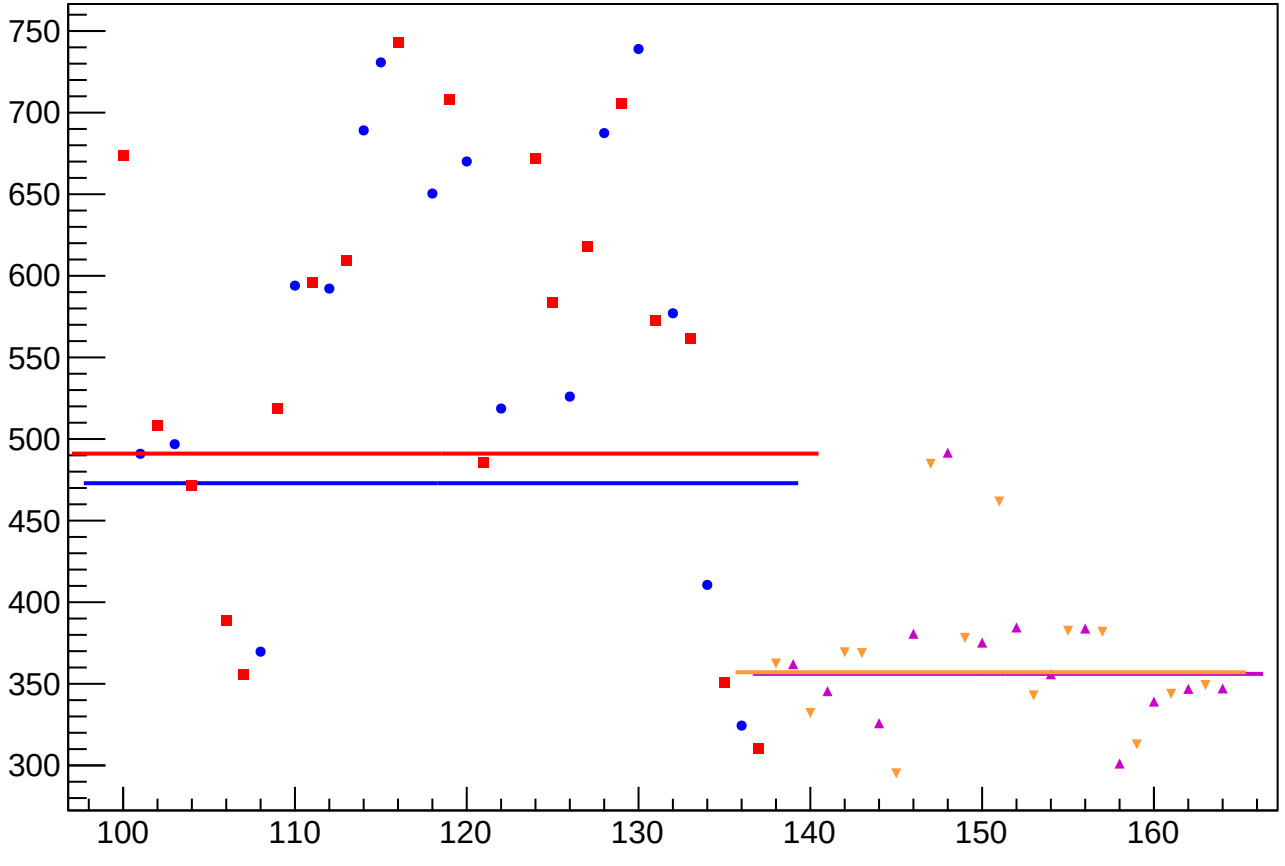
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 78.909+/-93.267 χ^2/NDF:42.2/28

Out: 26.706+/-93.150 χ^2/NDF:41.9/32

All: 52.774+/-65.908 χ^2/NDF: 84.2/61

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 357.096+/-0.076 χ^2/NDF:341434.7/13

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 356.084+/-0.077 χ^2/NDF:237852.9/12

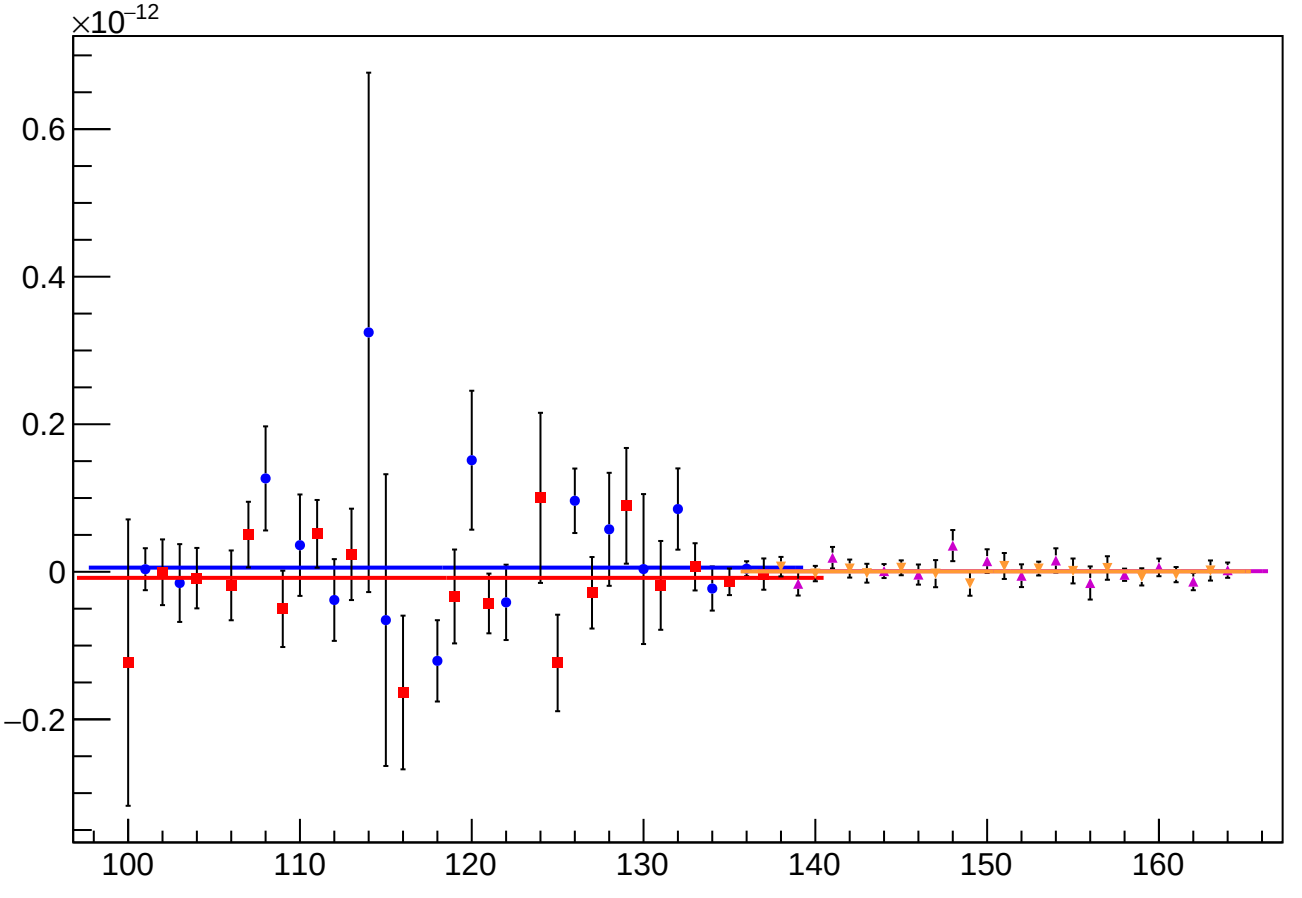
Left: 356.594+/-0.054 χ^2/NDF: 579375.1/26

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 386.548+/-0.066 χ^2/NDF:1843121.0/28

Out: 390.964+/-0.066 χ^2/NDF:1970345.4/32

All: 388.759+/-0.047 χ^2/NDF: 3815711.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/12

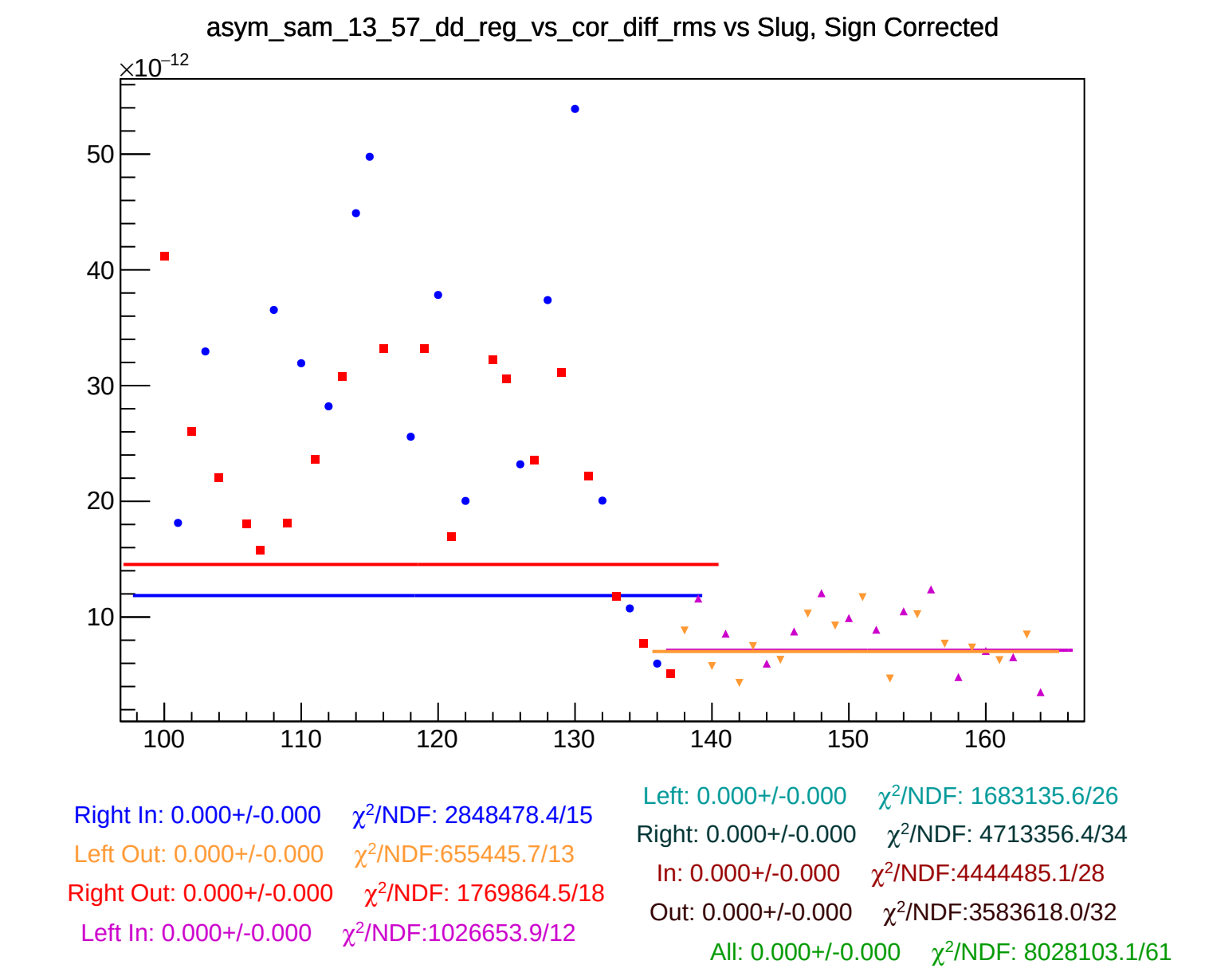
Left: 0.000+/-0.000 χ^2/NDF: 12.4/26

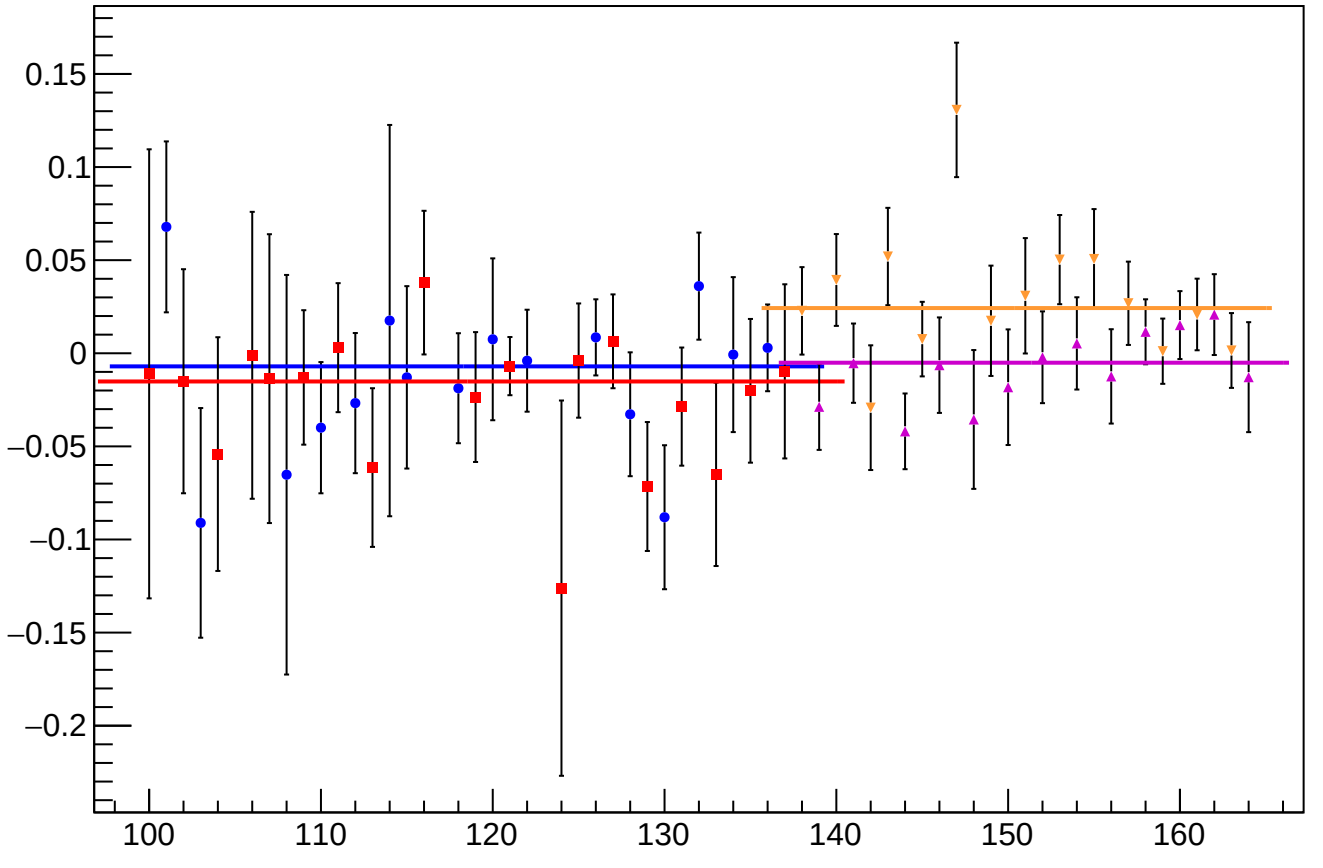
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:31.1/28

Out: -0.000+/-0.000 χ^2/NDF:17.5/32

All: 0.000+/-0.000 χ^2/NDF: 48.8/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:655445.7/13
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1026653.9/12
Left: 0.000+/-0.000 χ²/NDF: 1683135.6/26
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:4444485.1/28
Out: 0.000+/-0.000 χ²/NDF:3583618.0/32
All: 0.000+/-0.000 χ²/NDF: 8028103.1/61



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.024+/-0.006 χ^2/NDF:18.8/13

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.005+/-0.006 χ^2/NDF:9.1/12

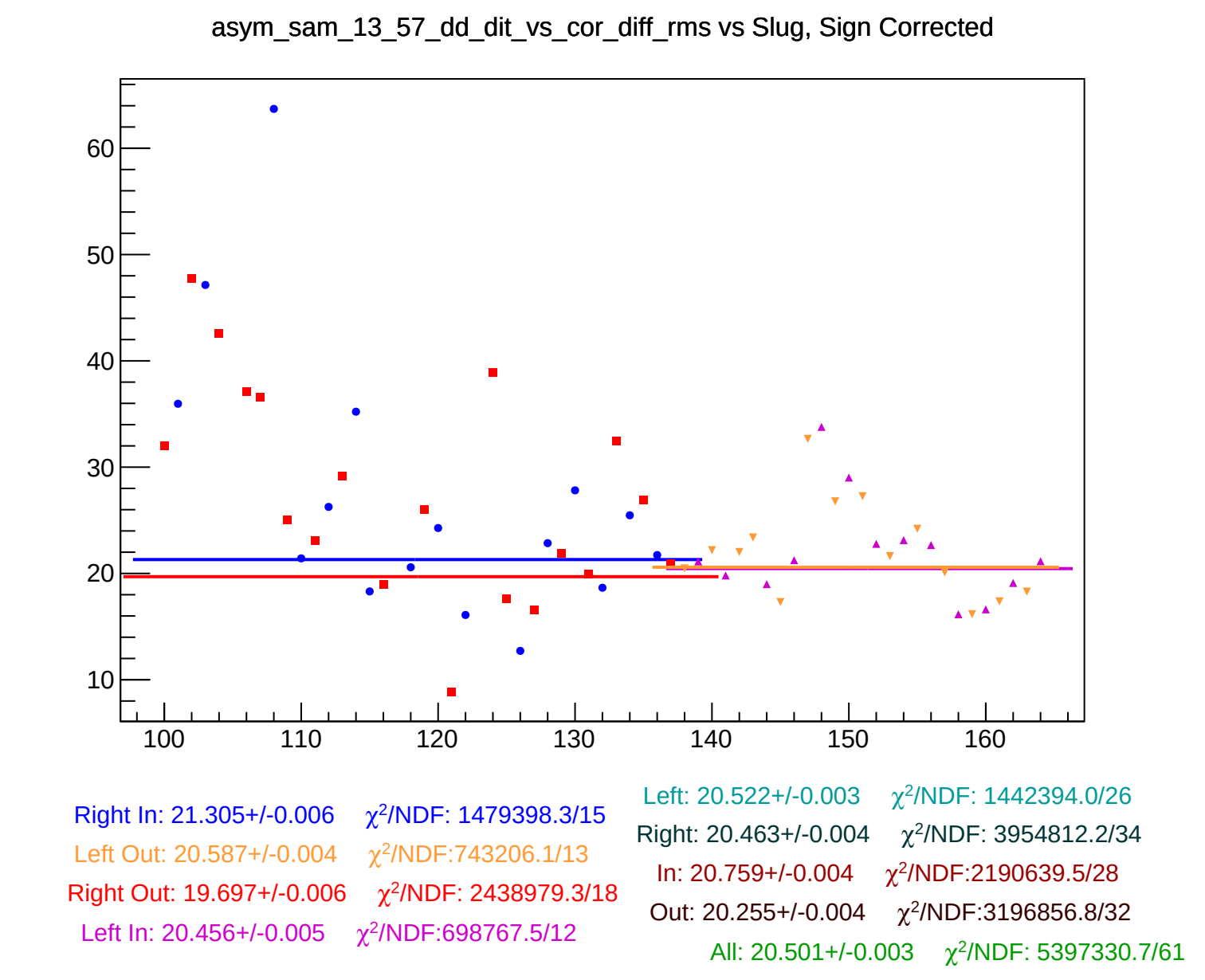
Left: 0.010+/-0.005 χ^2/NDF: 38.4/26

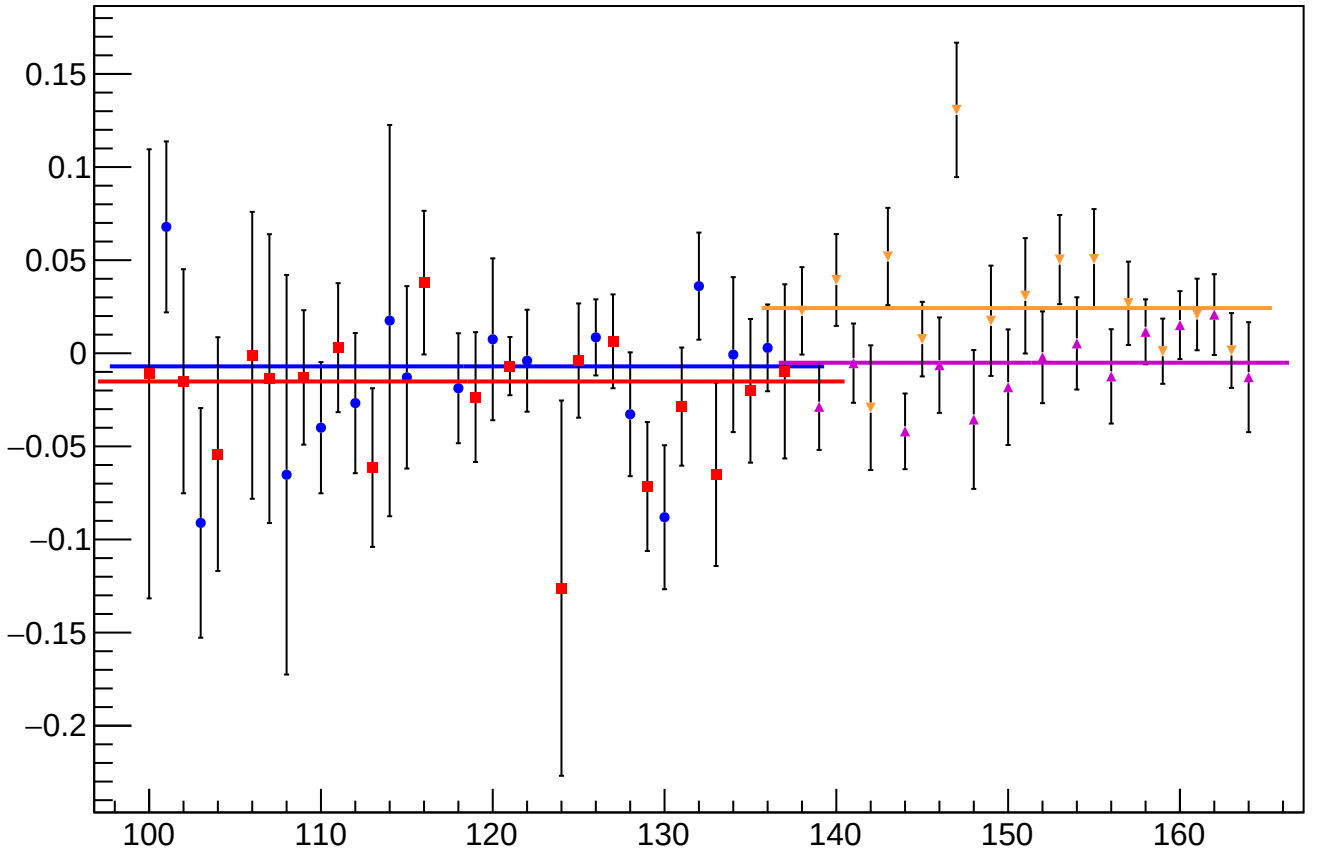
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.006+/-0.005 χ^2/NDF:23.4/28

Out: 0.010+/-0.005 χ^2/NDF:43.2/32

All: 0.002+/-0.004 χ^2/NDF: 71.2/61


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 20.587+/-0.004 χ²/NDF:743206.1/13
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 20.456+/-0.005 χ²/NDF:698767.5/12
Left: 20.522+/-0.003 χ²/NDF: 1442394.0/26
Right: 20.463+/-0.004 χ²/NDF: 3954812.2/34
In: 20.759+/-0.004 χ²/NDF:2190639.5/28
Out: 20.255+/-0.004 χ²/NDF:3196856.8/32
All: 20.501+/-0.003 χ²/NDF: 5397330.7/61



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.024+/-0.006 χ^2/NDF:18.8/13

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.005+/-0.006 χ^2/NDF:9.1/12

Left: 0.010+/-0.005 χ^2/NDF: 38.4/26

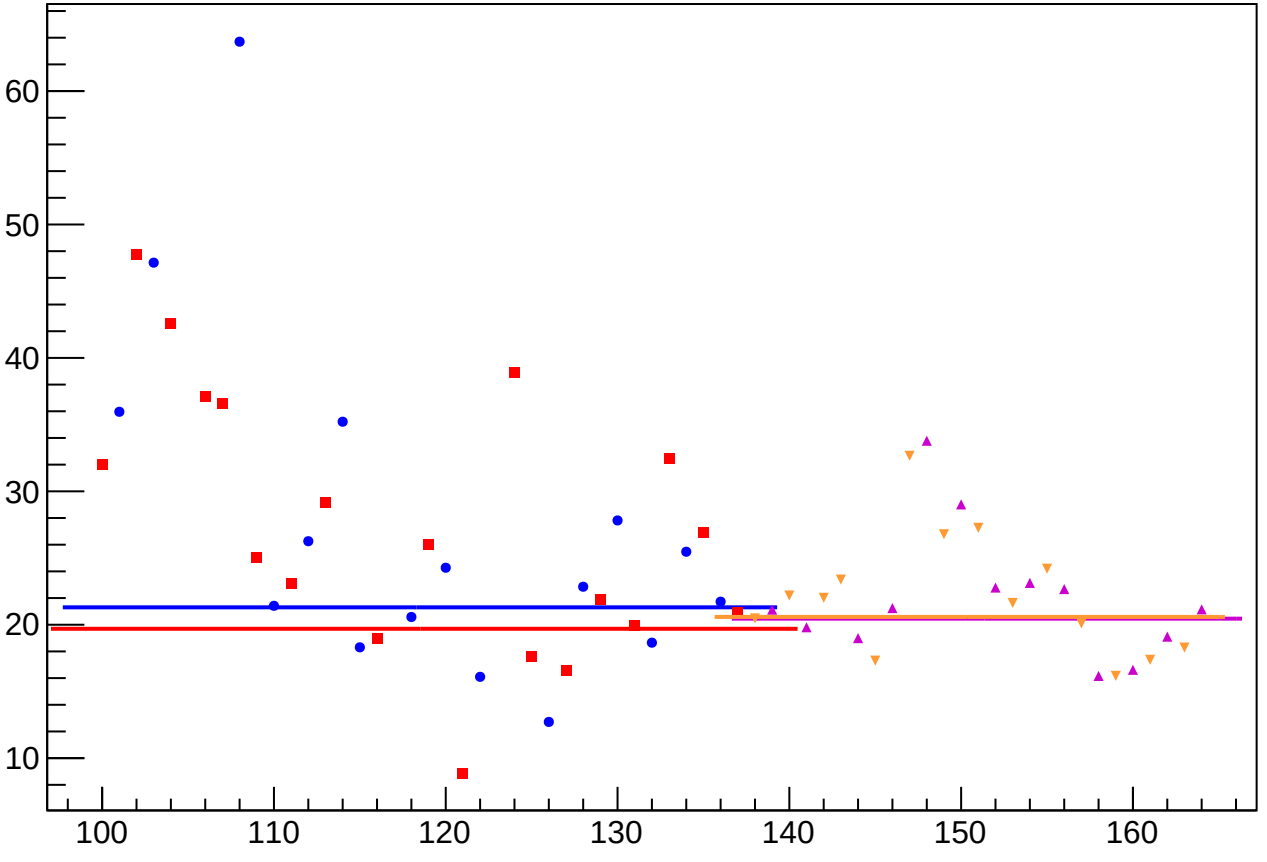
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.006+/-0.005 χ^2/NDF:23.4/28

Out: 0.010+/-0.005 χ^2/NDF:43.2/32

All: 0.002+/-0.004 χ^2/NDF: 71.2/61

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.587+/-0.004 χ^2/NDF:743206.1/13

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.456+/-0.005 χ^2/NDF:698767.5/12

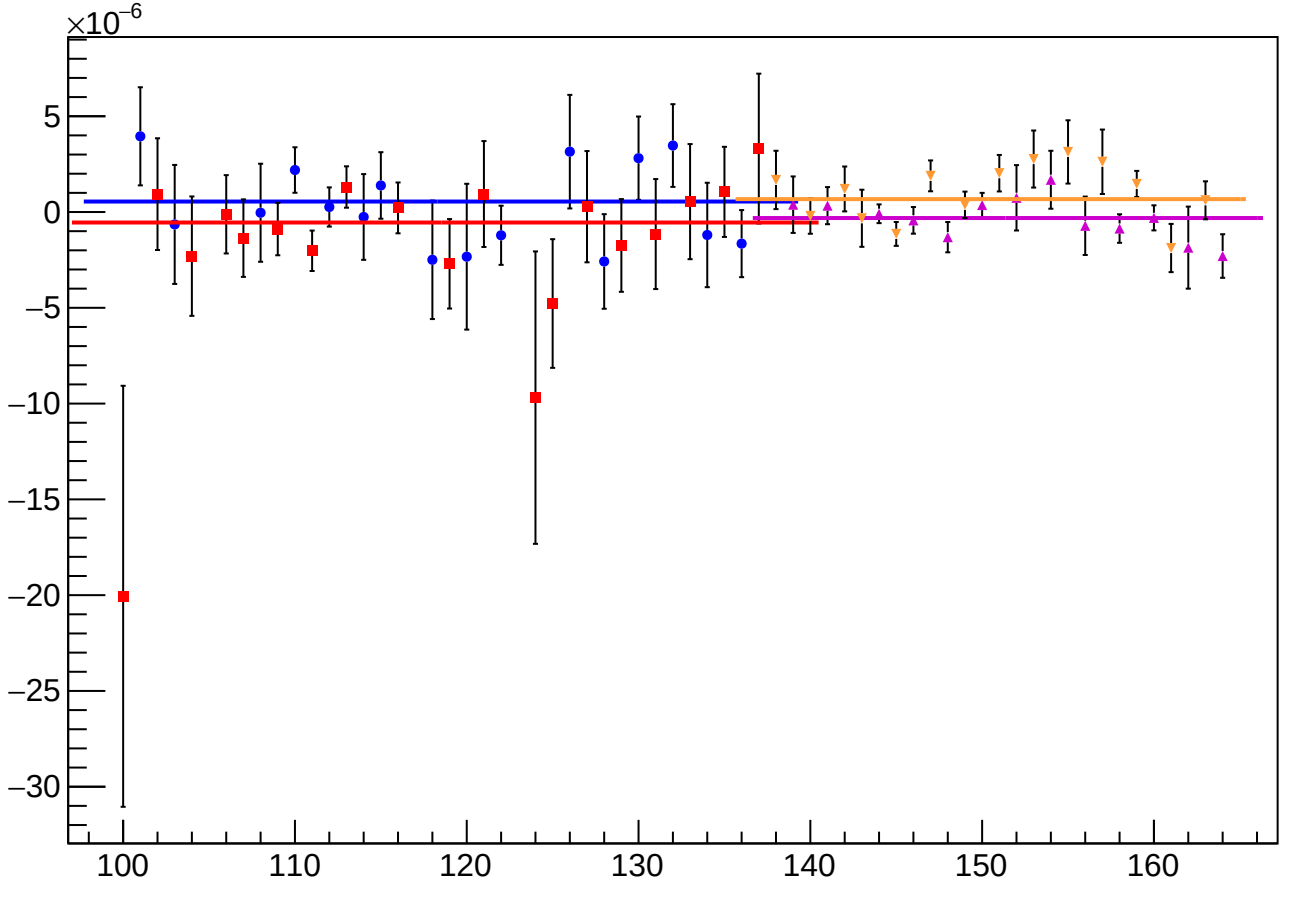
Left: 20.522+/-0.003 χ^2/NDF: 1442394.0/26

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.759+/-0.004 χ^2/NDF:2190639.5/28

Out: 20.255+/-0.004 χ^2/NDF:3196856.8/32

All: 20.501+/-0.003 χ^2/NDF: 5397330.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/12

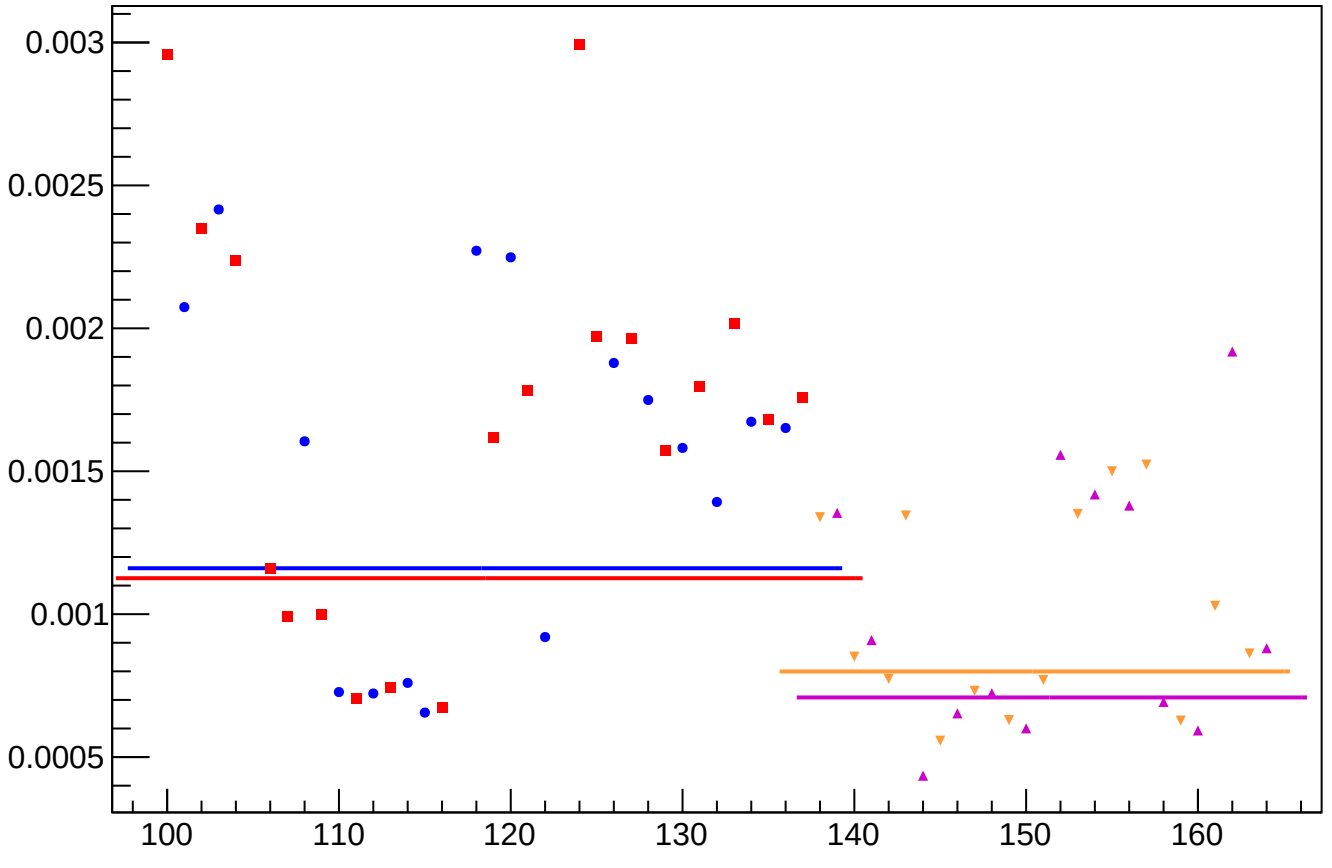
Left: 0.000+/-0.000 χ^2/NDF: 43.9/26

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:27.0/28

Out: 0.000+/-0.000 χ^2/NDF:46.7/32

All: 0.000+/-0.000 χ^2/NDF: 76.6/61



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2172060.5/13

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:3237436.6/12

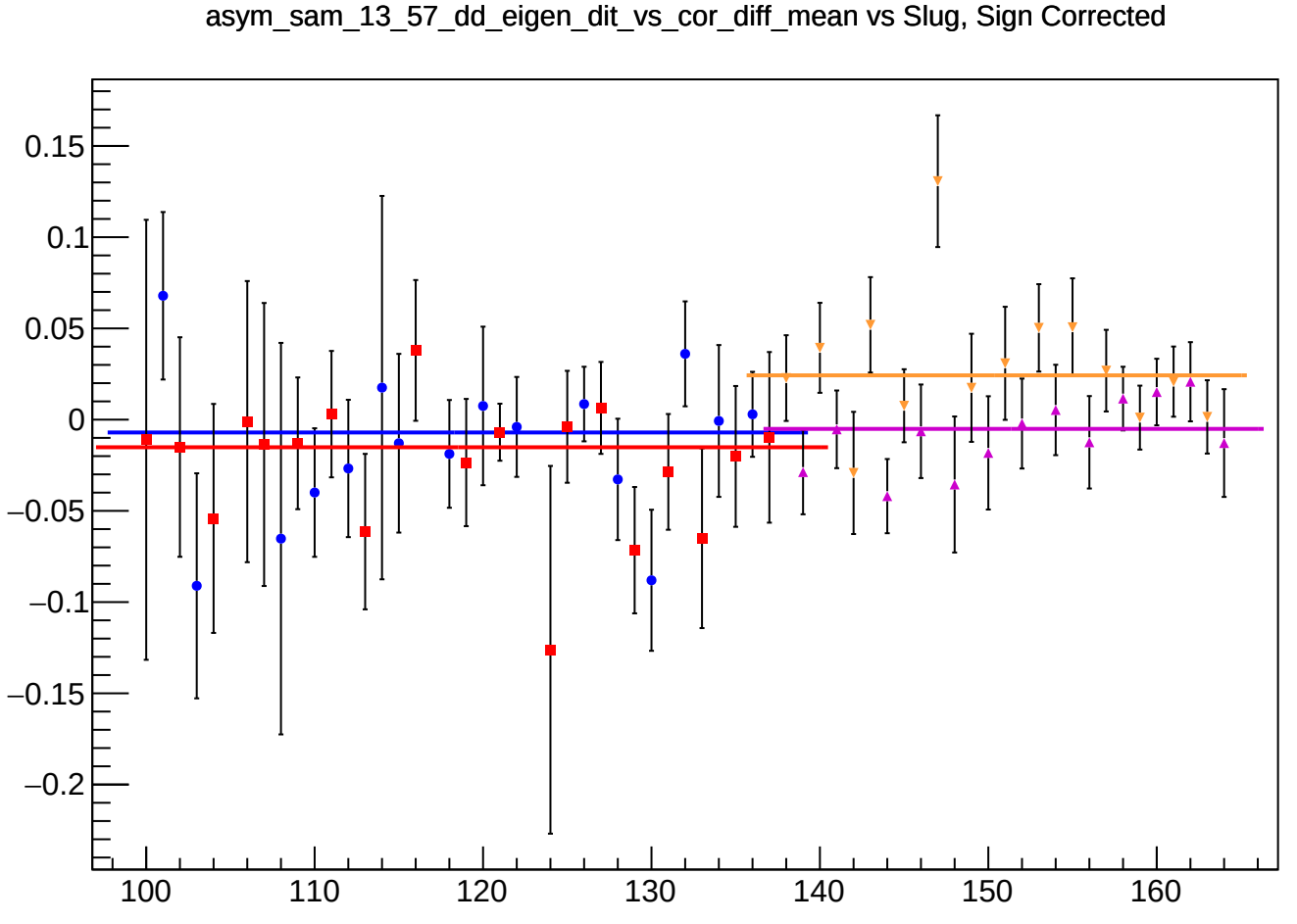
Left: 0.001+/-0.000 χ^2/NDF: 5545657.0/26

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:7210146.3/28

Out: 0.001+/-0.000 χ^2/NDF:5565906.0/32

All: 0.001+/-0.000 χ^2/NDF: 12916902.4/61



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.024+/-0.006 χ^2/NDF:18.8/13

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.005+/-0.006 χ^2/NDF:9.1/12

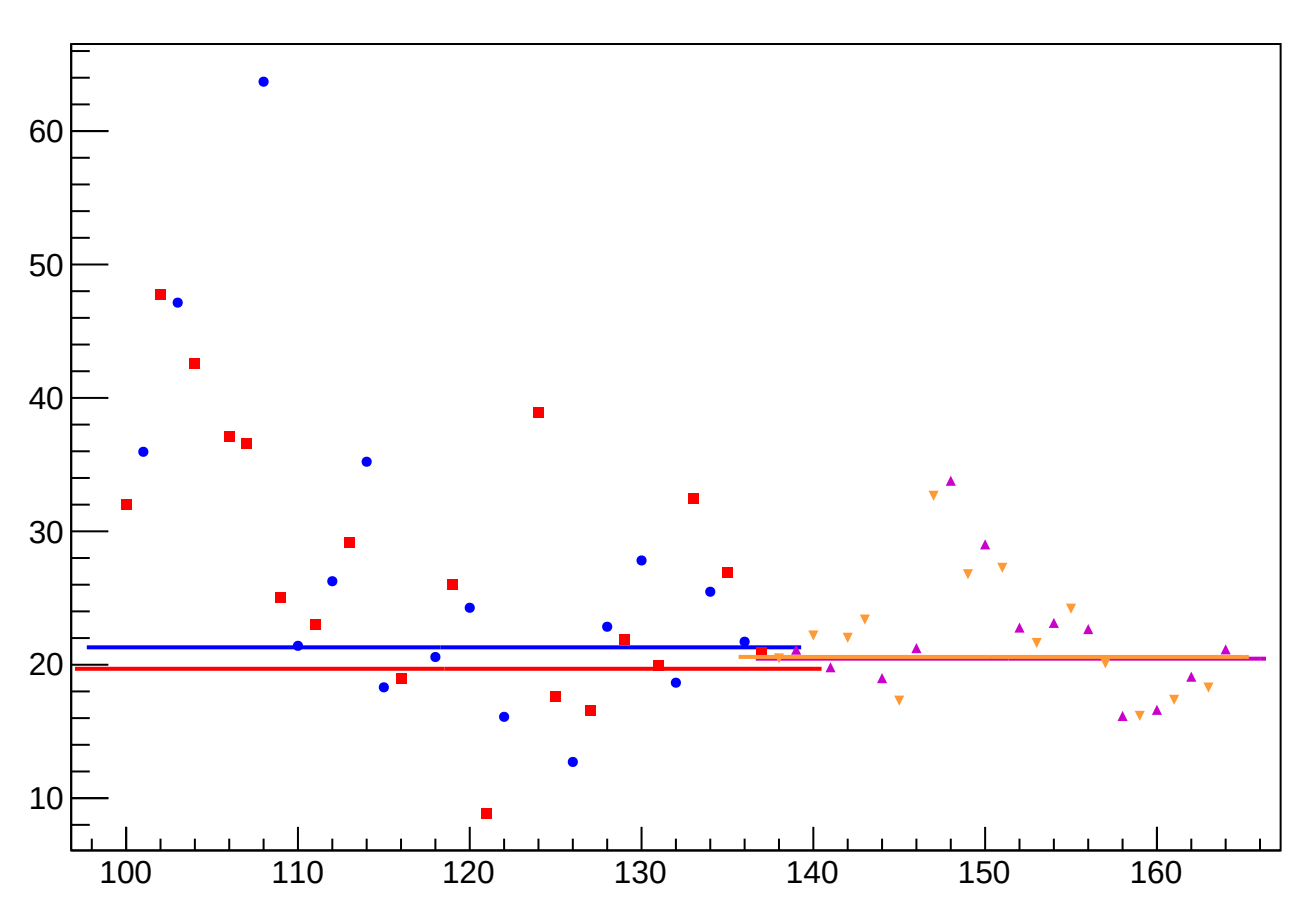
Left: 0.010+/-0.005 χ^2/NDF: 38.4/26

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.006+/-0.005 χ^2/NDF:23.4/28

Out: 0.010+/-0.005 χ^2/NDF:43.2/32

All: 0.002+/-0.004 χ^2/NDF: 71.2/61



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.587+/-0.004 χ^2/NDF:743338.8/13

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.456+/-0.005 χ^2/NDF:698883.9/12

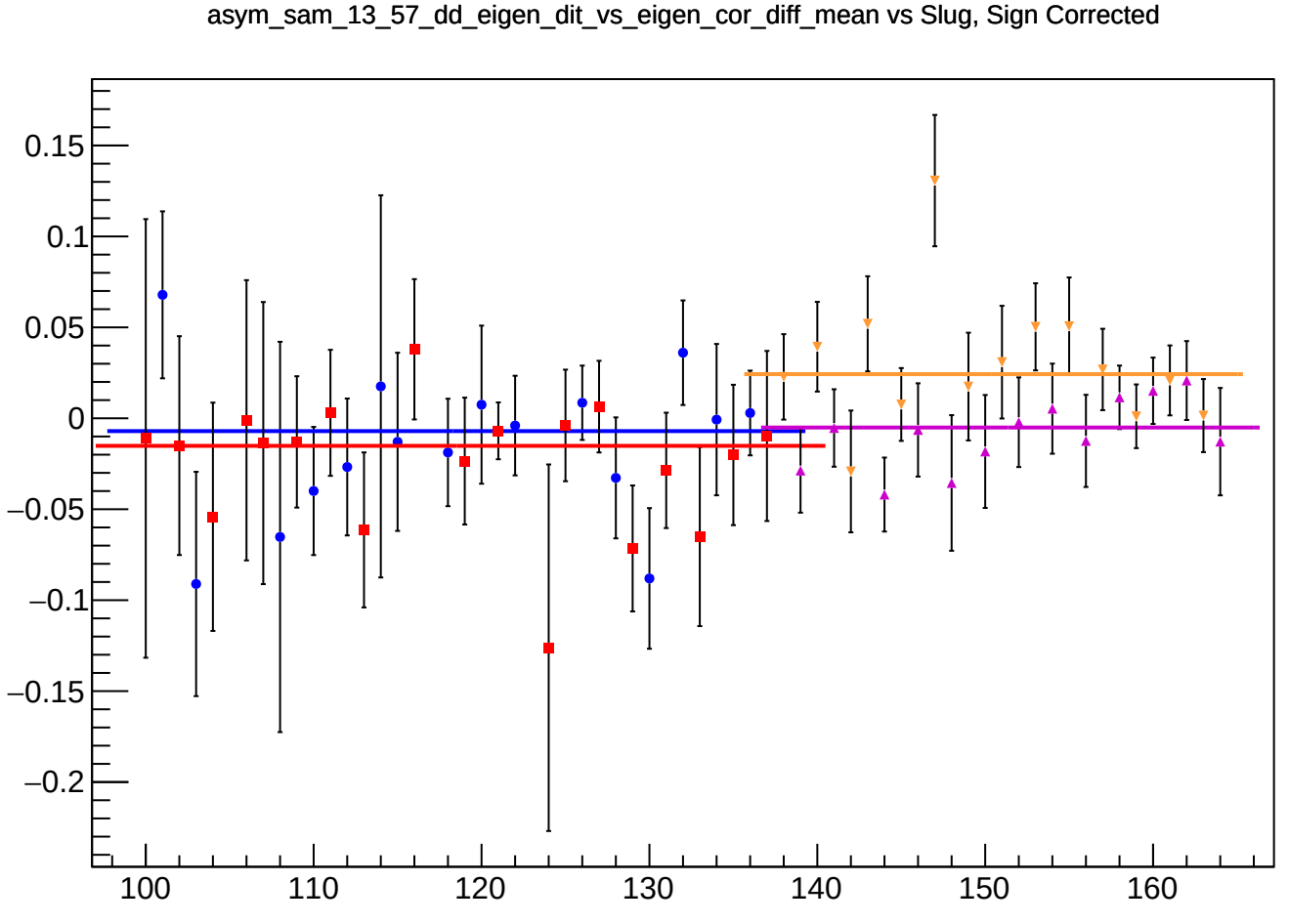
Left: 20.522+/-0.003 χ^2/NDF: 1442643.2/26

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

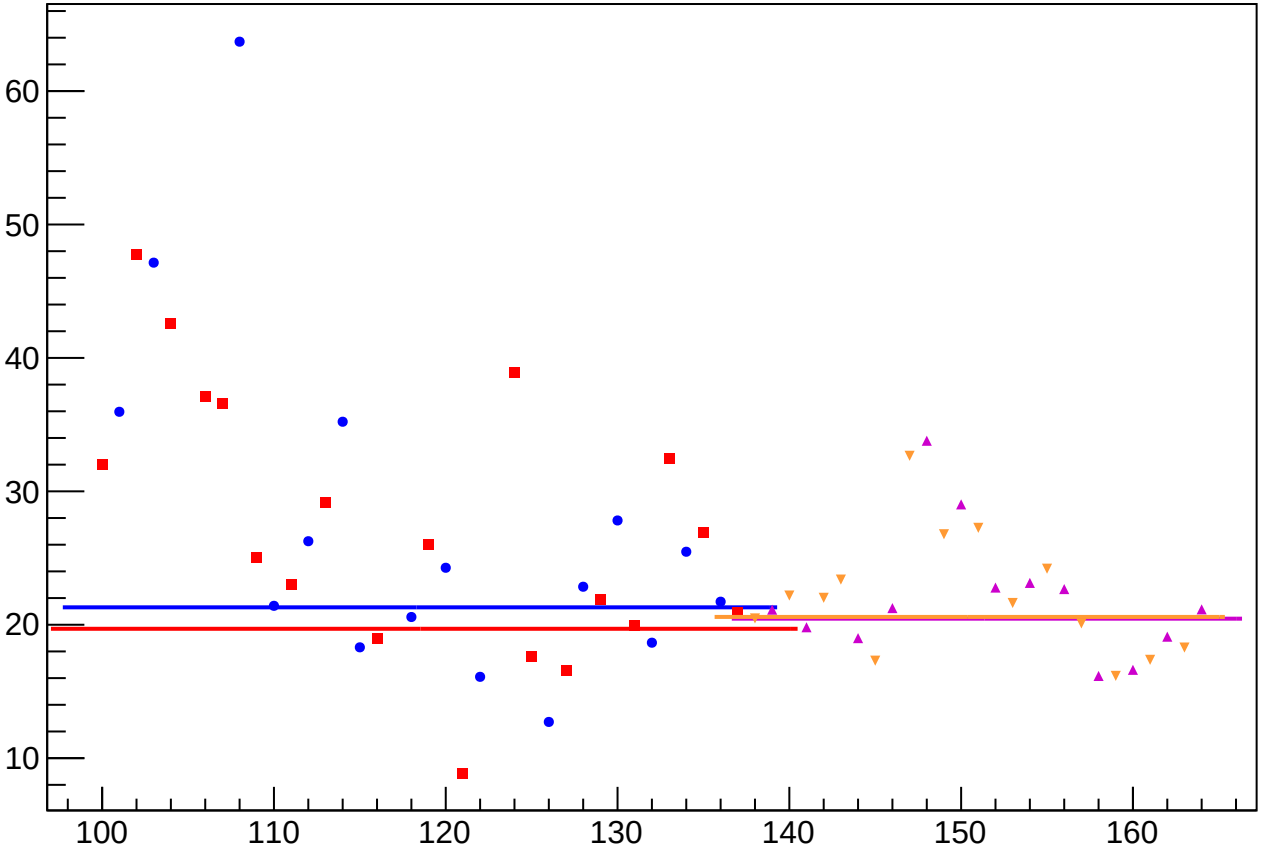
In: 20.759+/-0.004 χ^2/NDF:2190599.9/28

Out: 20.255+/-0.004 χ^2/NDF:3196598.7/32

All: 20.501+/-0.003 χ^2/NDF: 5397026.7/61


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.024+/-0.006 χ²/NDF:18.8/13
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.005+/-0.006 χ²/NDF:9.1/12
Left: 0.010+/-0.005 χ²/NDF: 38.4/26
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.006+/-0.005 χ²/NDF:23.4/28
Out: 0.010+/-0.005 χ²/NDF:43.2/32
All: 0.002+/-0.004 χ²/NDF: 71.2/61

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: 20.587+/-0.004 χ^2/NDF:743338.8/13

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.456+/-0.005 χ^2/NDF:698883.9/12

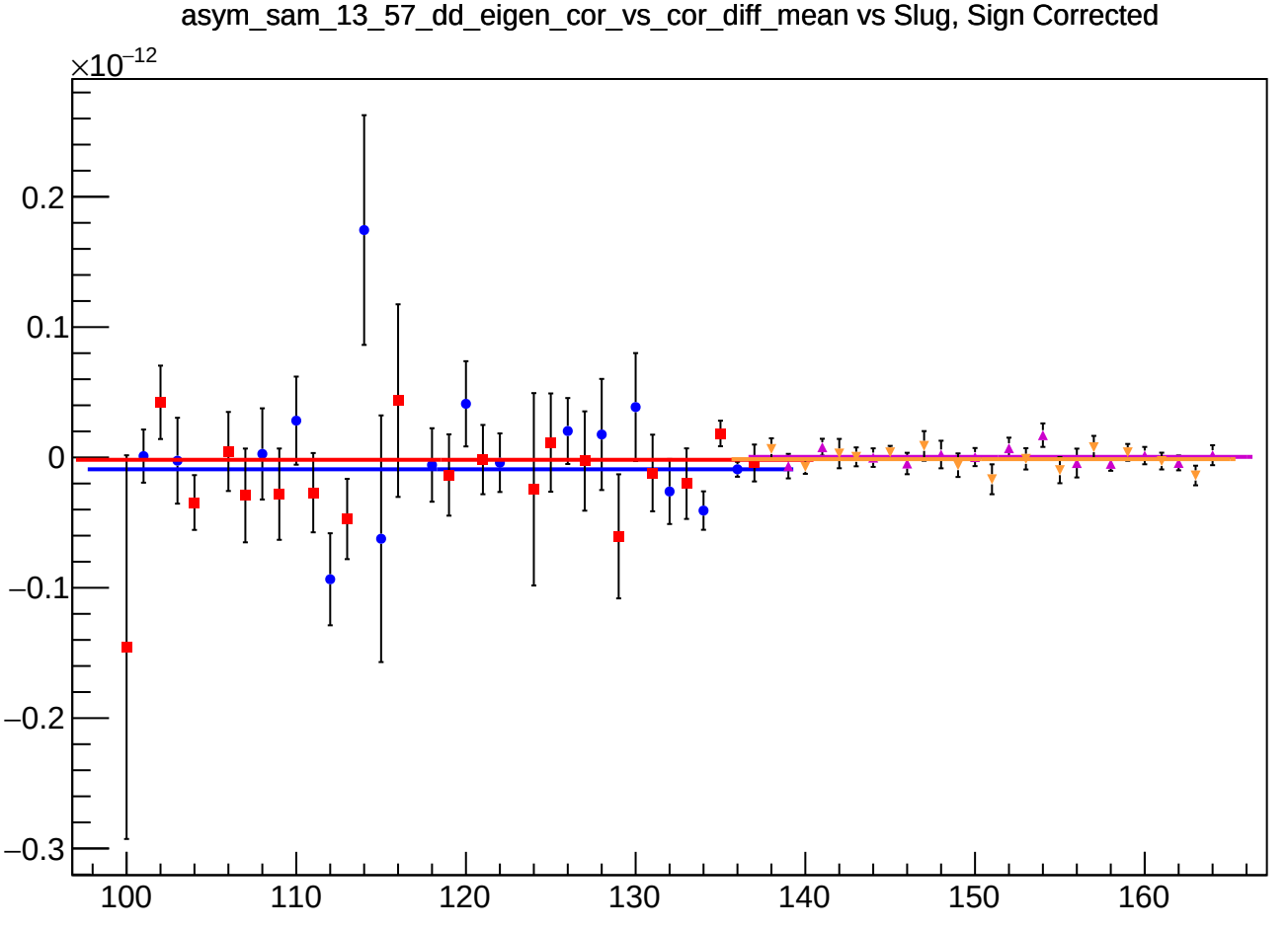
Left: 20.522+/-0.003 χ^2/NDF: 1442643.2/26

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.759+/-0.004 χ^2/NDF:2190599.9/28

Out: 20.255+/-0.004 χ^2/NDF:3196598.7/32

All: 20.501+/-0.003 χ^2/NDF: 5397026.7/61



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/12

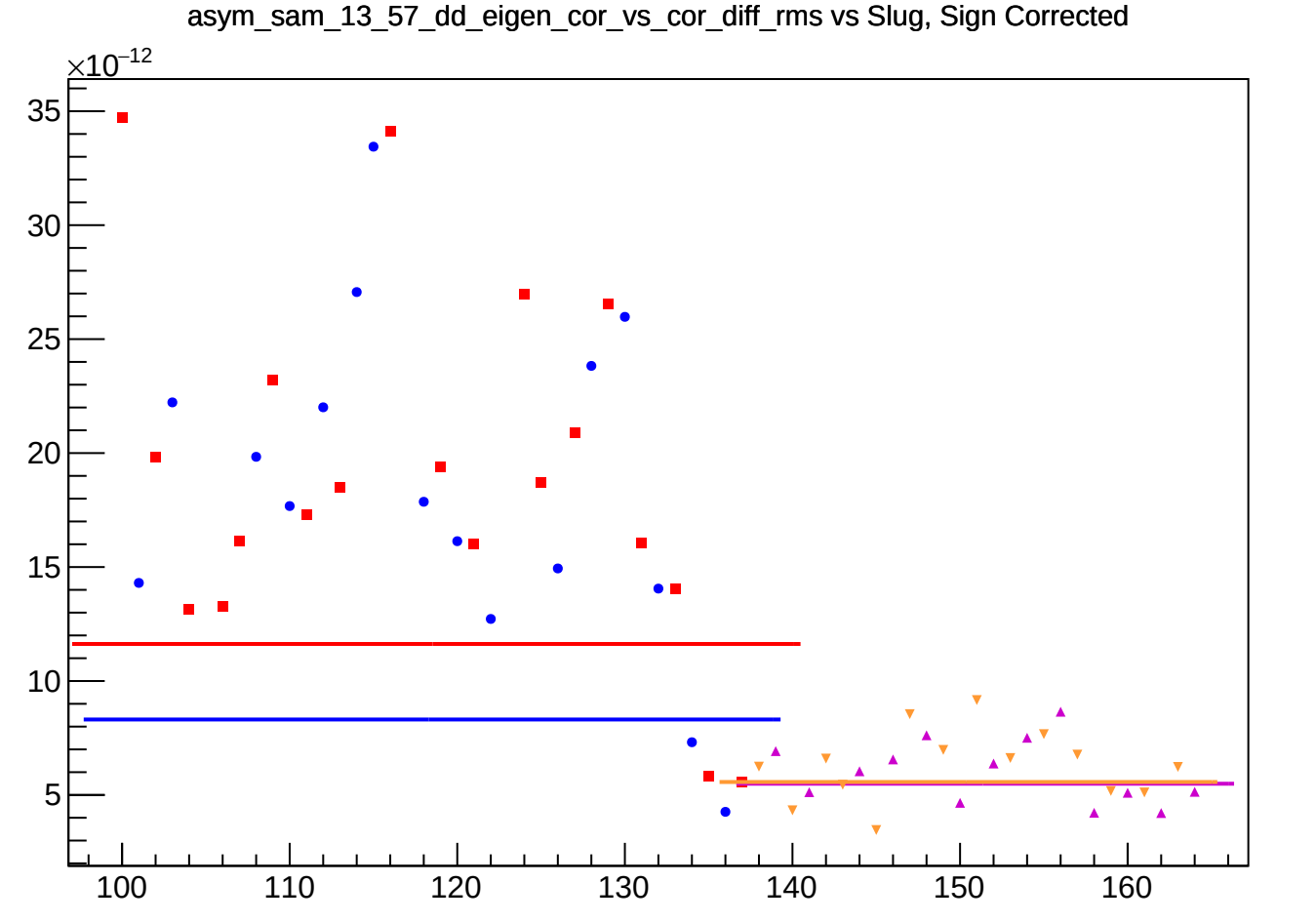
Left: -0.000+/-0.000 χ^2/NDF: 20.2/26

Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:34.6/28

Out: -0.000+/-0.000 χ^2/NDF:28.5/32

All: -0.000+/-0.000 χ^2/NDF: 63.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1065899.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:723373.1/12

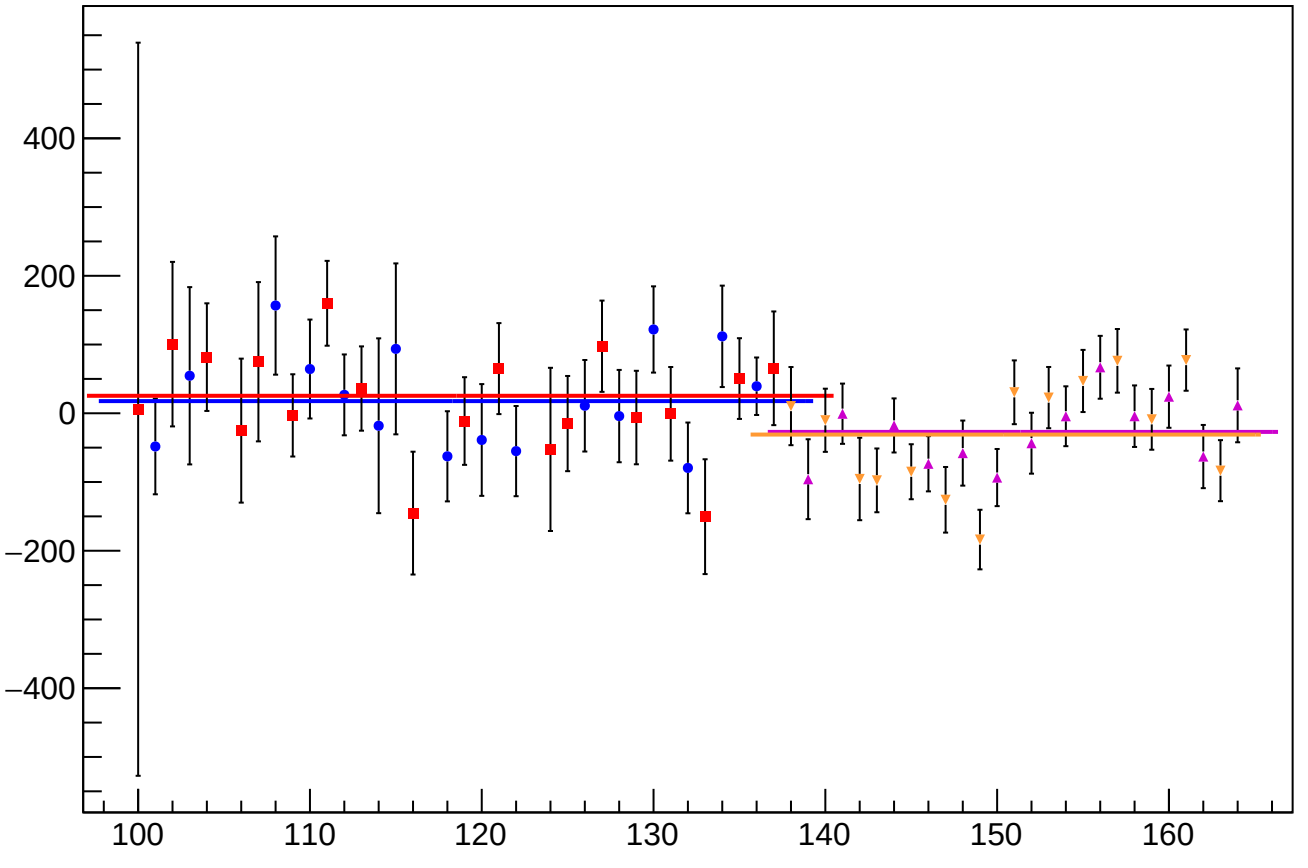
Left: 0.000+/-0.000 χ^2/NDF: 1790681.8/26

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:5107031.6/28

Out: 0.000+/-0.000 χ^2/NDF:5693969.4/32

All: 0.000+/-0.000 χ^2/NDF: 10821477.1/61



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.971+/-12.340 χ^2/NDF:41.3/13

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -27.106+/-12.473 χ^2/NDF:13.4/12

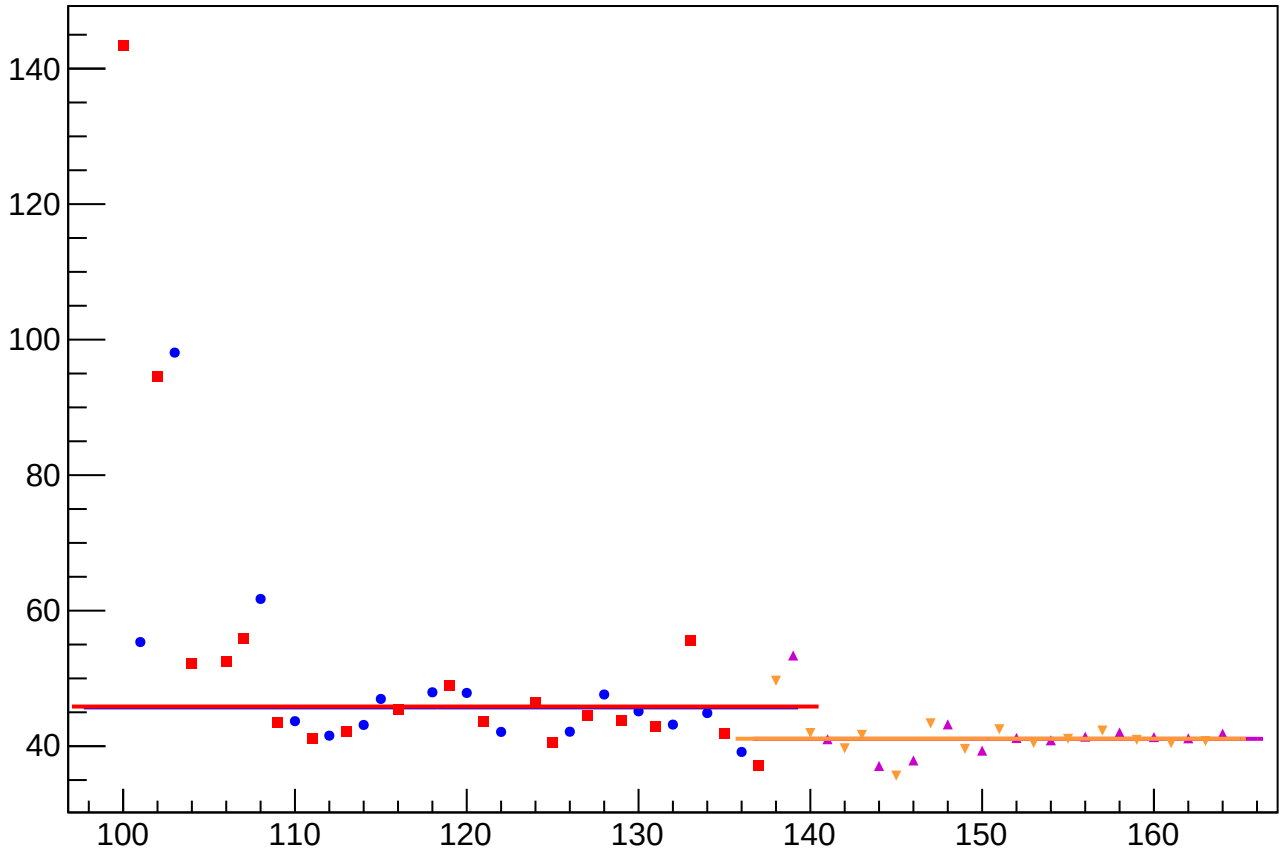
Left: -29.059+/-8.772 χ^2/NDF: 54.8/26

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -11.978+/-10.151 χ^2/NDF:31.7/28

Out: -12.001+/-10.053 χ^2/NDF:66.1/32

All: -11.990+/-7.143 χ^2/NDF: 97.9/61



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.098+/-0.009 χ^2/NDF:95435.9/13

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.084+/-0.009 χ^2/NDF:131990.8/12

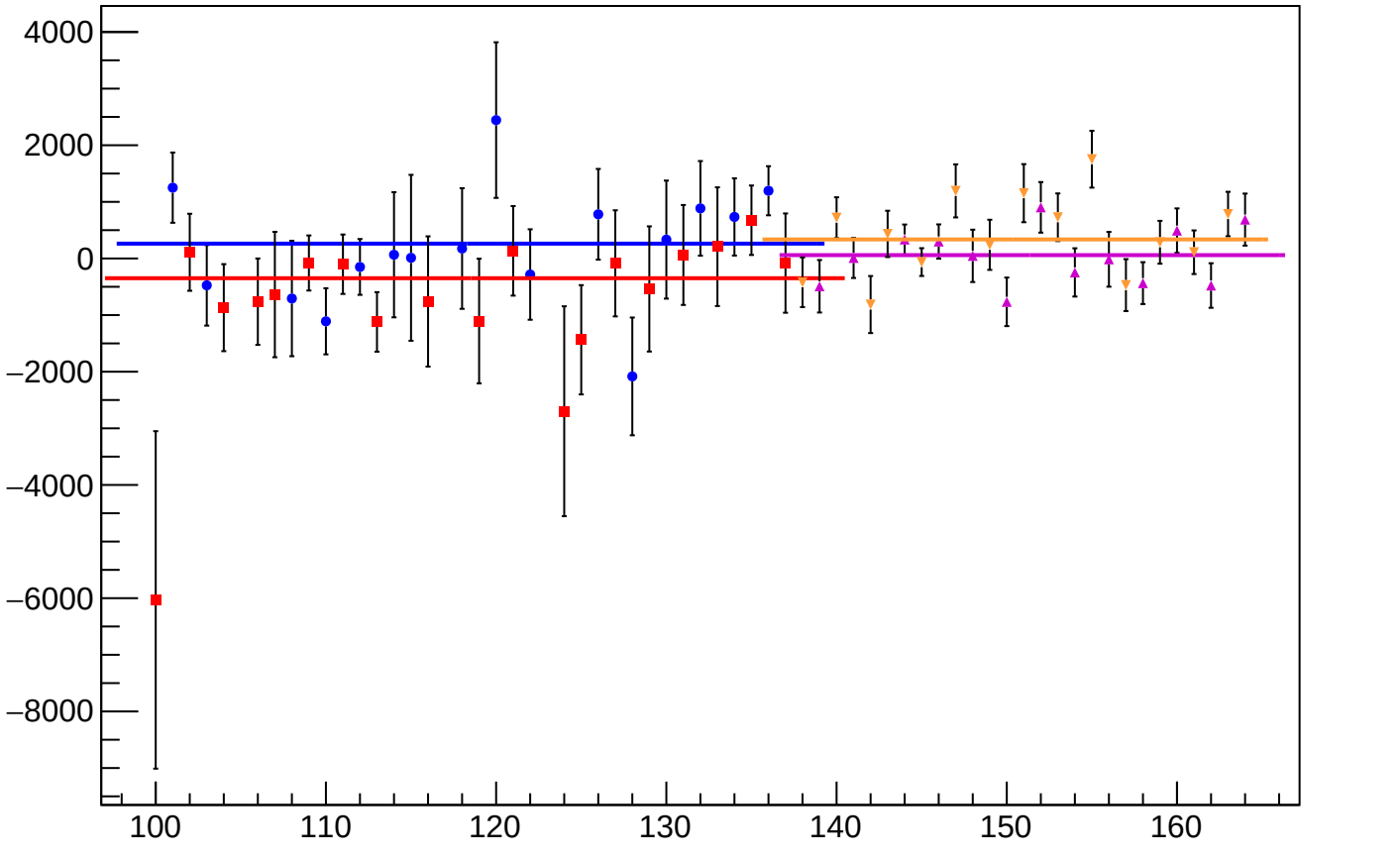
Left: 41.091+/-0.006 χ^2/NDF: 227428.0/26

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 42.652+/-0.007 χ^2/NDF:726998.5/28

Out: 42.696+/-0.007 χ^2/NDF:735297.4/32

All: 42.674+/-0.005 χ^2/NDF: 1462314.8/61



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 336.241+/-106.929 χ^2/NDF:31.6/13

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 59.019+/-106.772 χ^2/NDF:17.7/12

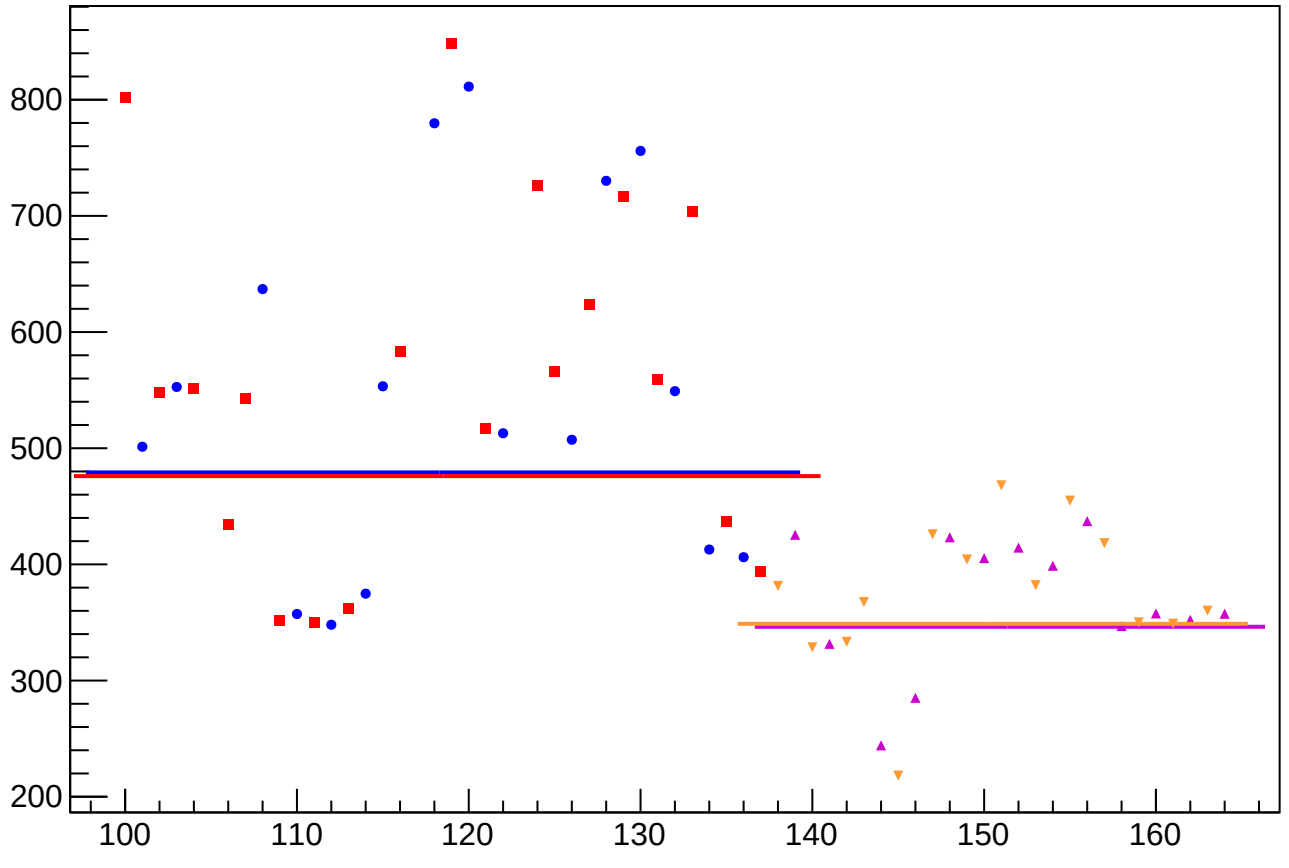
Left: 197.426+/-75.554 χ^2/NDF: 52.6/26

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 109.636+/-92.502 χ^2/NDF:43.6/28

Out: 158.579+/-92.021 χ^2/NDF:57.1/32

All: 134.235+/-65.238 χ^2/NDF: 100.8/61



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 348.859+/-0.076 χ^2/NDF:932828.5/13

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 346.303+/-0.075 χ^2/NDF:685595.7/12

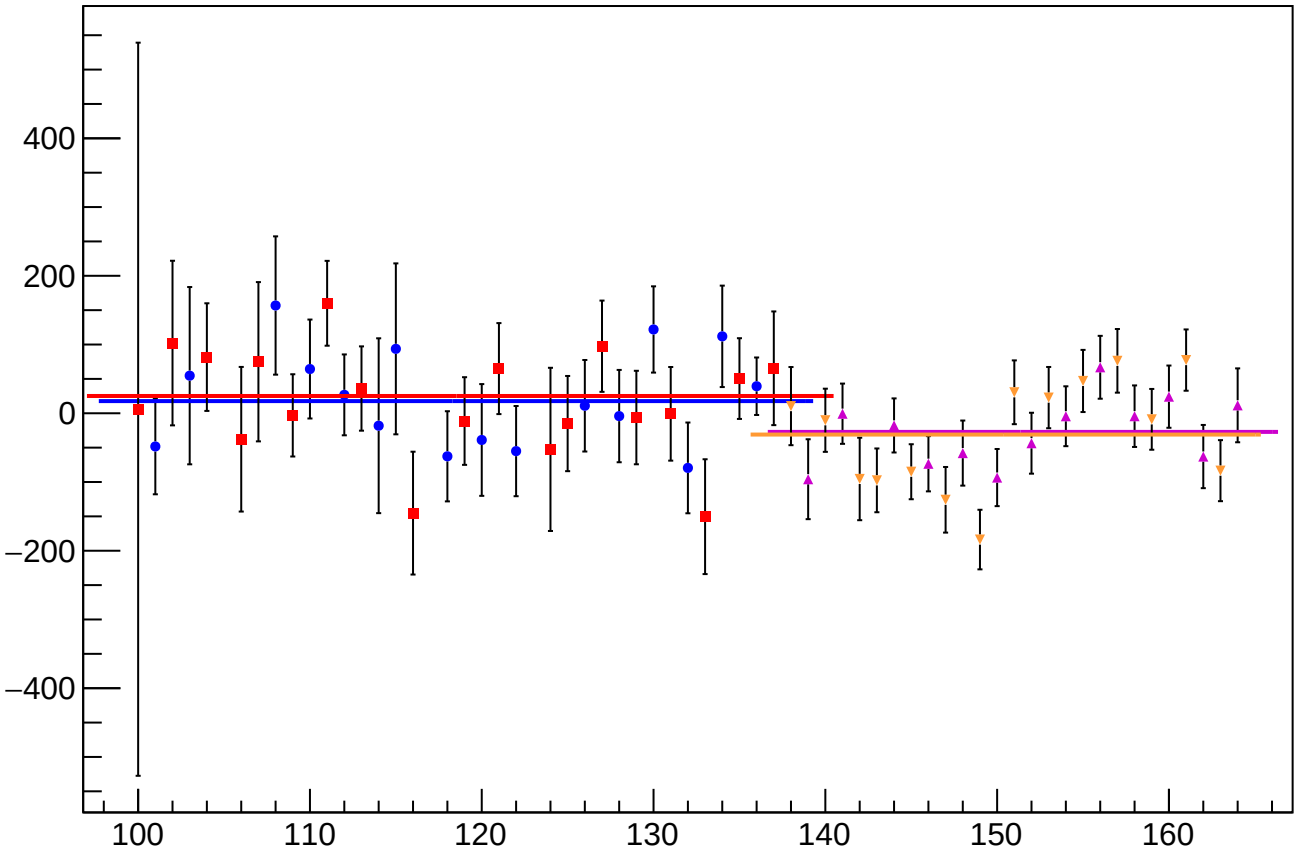
Left: 347.579+/-0.053 χ^2/NDF: 1618996.0/26

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 379.448+/-0.065 χ^2/NDF:2410904.8/28

Out: 381.835+/-0.065 χ^2/NDF:2672663.2/32

All: 380.648+/-0.046 χ^2/NDF: 5084237.8/61



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.972+/-12.340 χ^2/NDF:41.3/13

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -27.106+/-12.473 χ^2/NDF:13.4/12

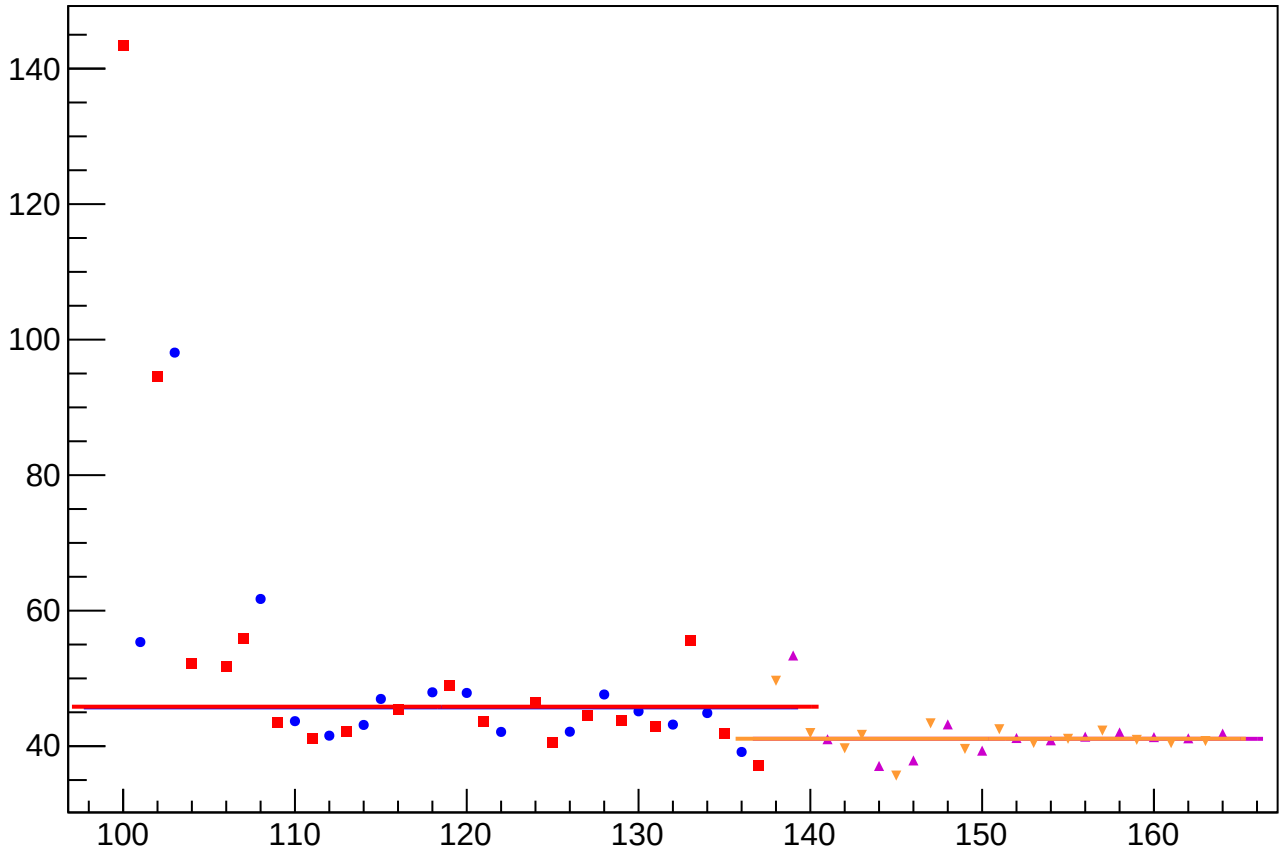
Left: -29.060+/-8.772 χ^2/NDF: 54.8/26

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -11.976+/-10.151 χ^2/NDF:31.7/28

Out: -12.105+/-10.054 χ^2/NDF:66.2/32

All: -12.041+/-7.143 χ^2/NDF: 98.0/61



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.098+/-0.009 χ^2/NDF:95435.9/13

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.084+/-0.009 χ^2/NDF:131990.8/12

Left: 41.091+/-0.006 χ^2/NDF: 227428.0/26

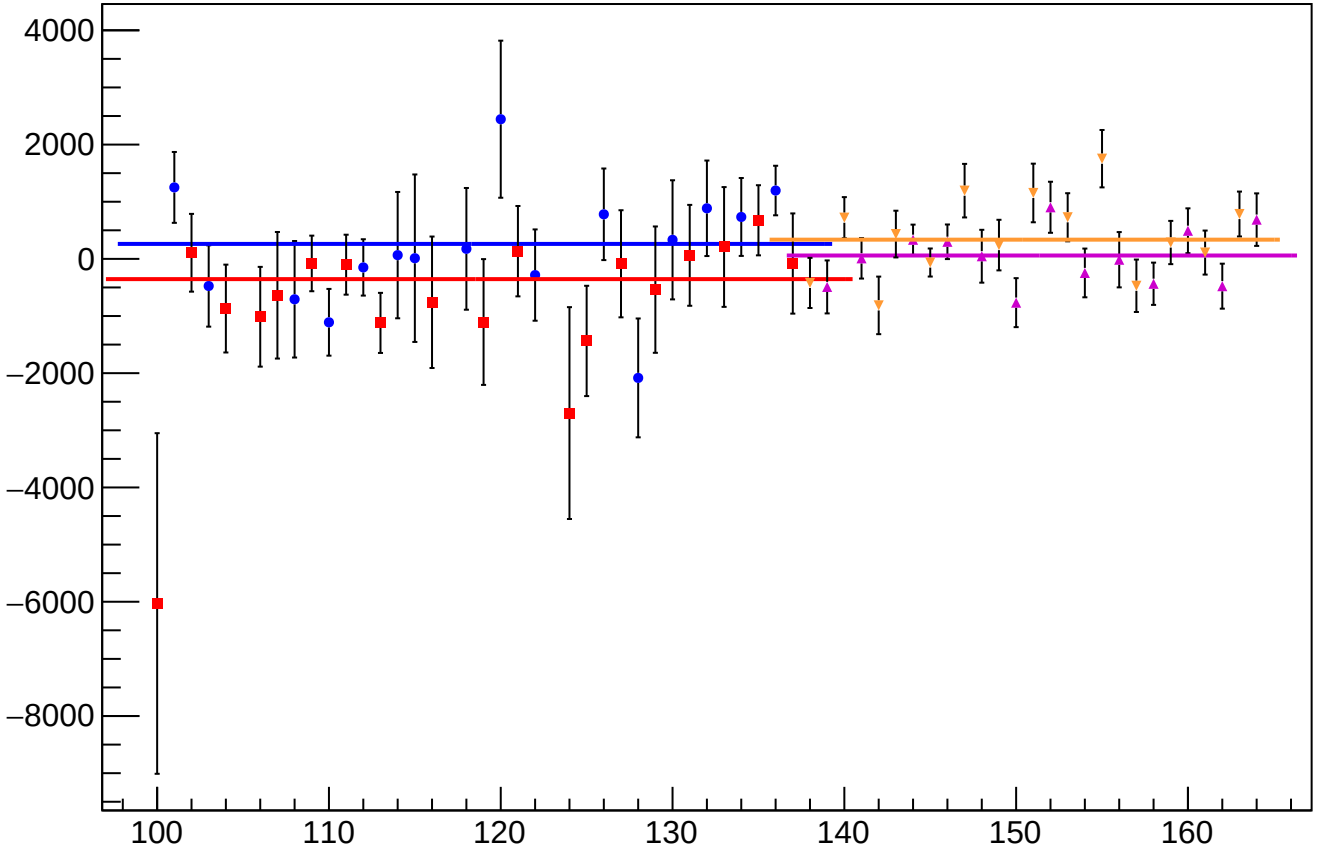
Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.652+/-0.007 χ^2/NDF:727001.5/28

Out: 42.687+/-0.007 χ^2/NDF:732595.1/32

All: 42.670+/-0.005 χ^2/NDF: 1459609.0/61

asym_sam_15_37_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 336.239+/-106.929 χ^2/NDF:31.6/13

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 59.020+/-106.772 χ^2/NDF:17.7/12

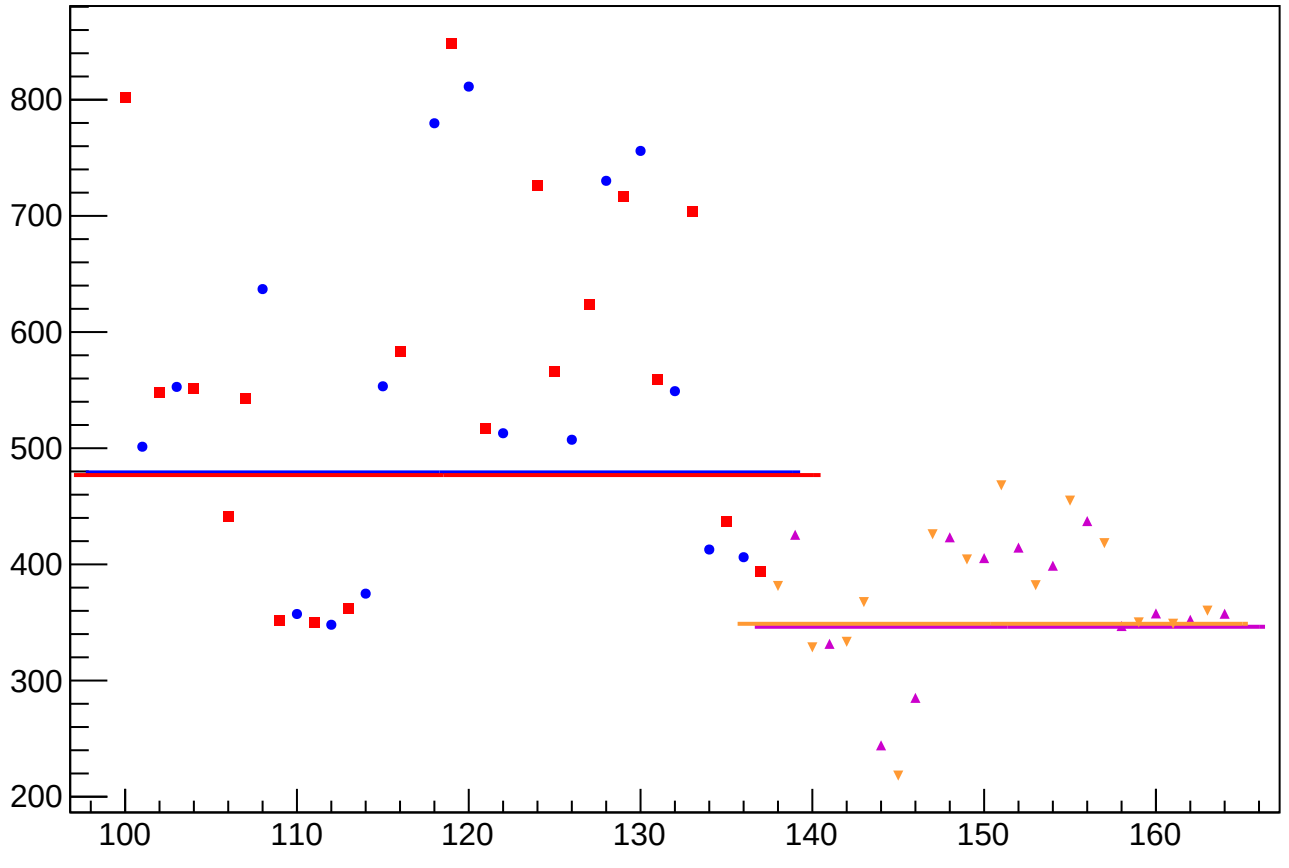
Left: 197.426+/-75.554 χ^2/NDF: 52.6/26

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 109.638+/-92.502 χ^2/NDF:43.6/28

Out: 158.927+/-92.182 χ^2/NDF:57.5/32

All: 134.368+/-65.295 χ^2/NDF: 101.2/61



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 348.859+/-0.076 χ^2/NDF:932829.6/13

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 346.304+/-0.075 χ^2/NDF:685596.1/12

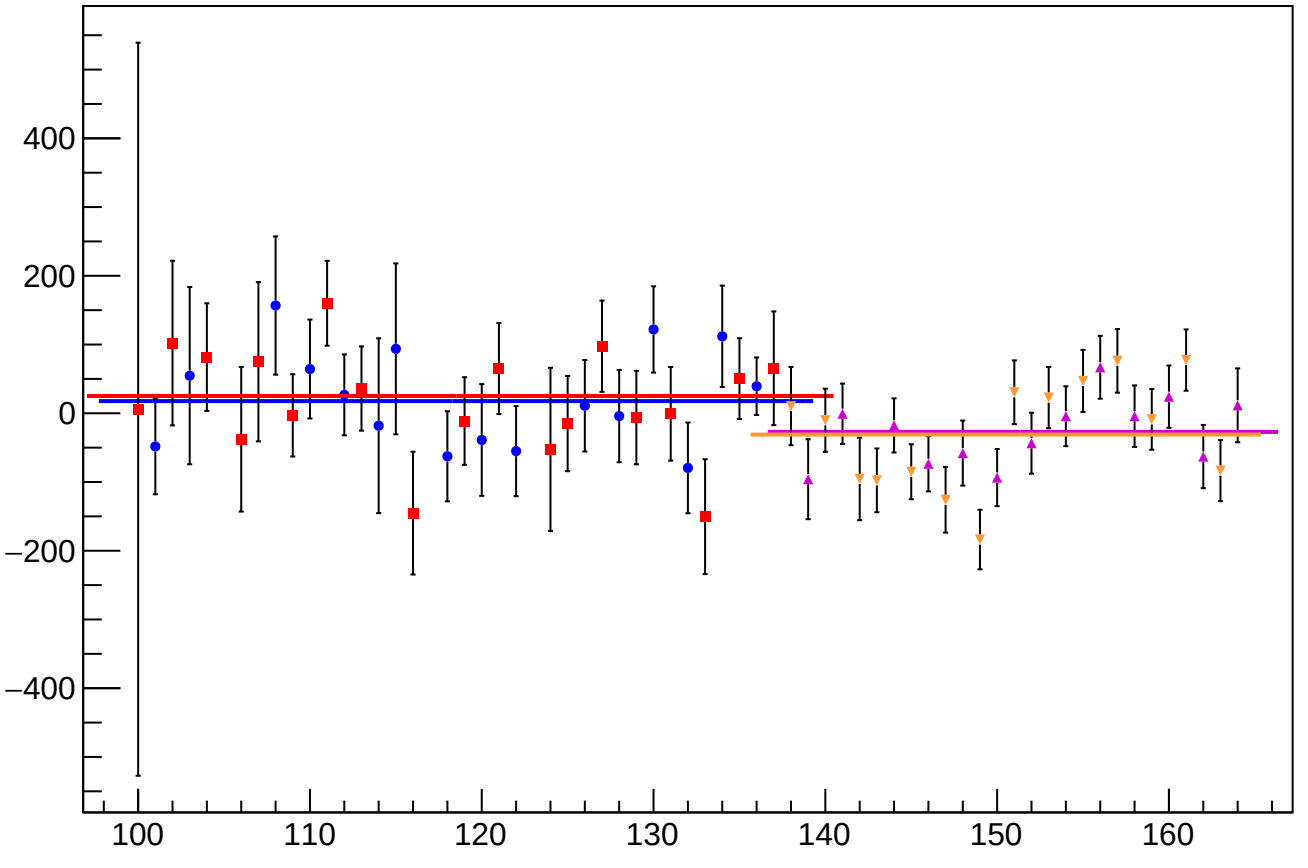
Left: 347.579+/-0.053 χ^2/NDF: 1618997.4/26

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 379.448+/-0.065 χ^2/NDF:2410951.1/28

Out: 381.739+/-0.065 χ^2/NDF:2672982.2/32

All: 380.597+/-0.046 χ^2/NDF: 5084548.7/61



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.972+/-12.340 χ^2/NDF:41.3/13

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -27.106+/-12.473 χ^2/NDF:13.4/12

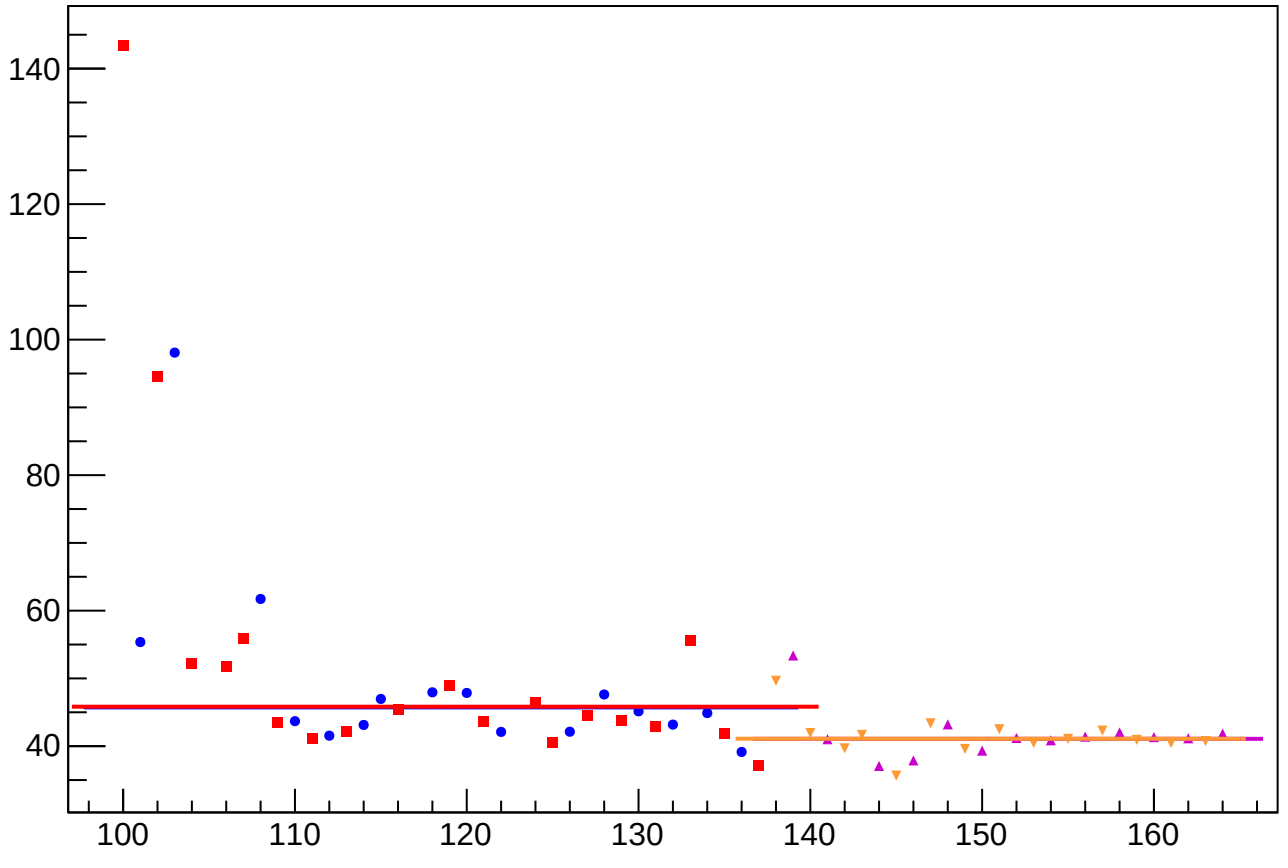
Left: -29.060+/-8.772 χ^2/NDF: 54.8/26

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -11.976+/-10.151 χ^2/NDF:31.7/28

Out: -12.105+/-10.054 χ^2/NDF:66.2/32

All: -12.041+/-7.143 χ^2/NDF: 98.0/61



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.098+/-0.009 χ^2/NDF:95435.9/13

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.084+/-0.009 χ^2/NDF:131990.8/12

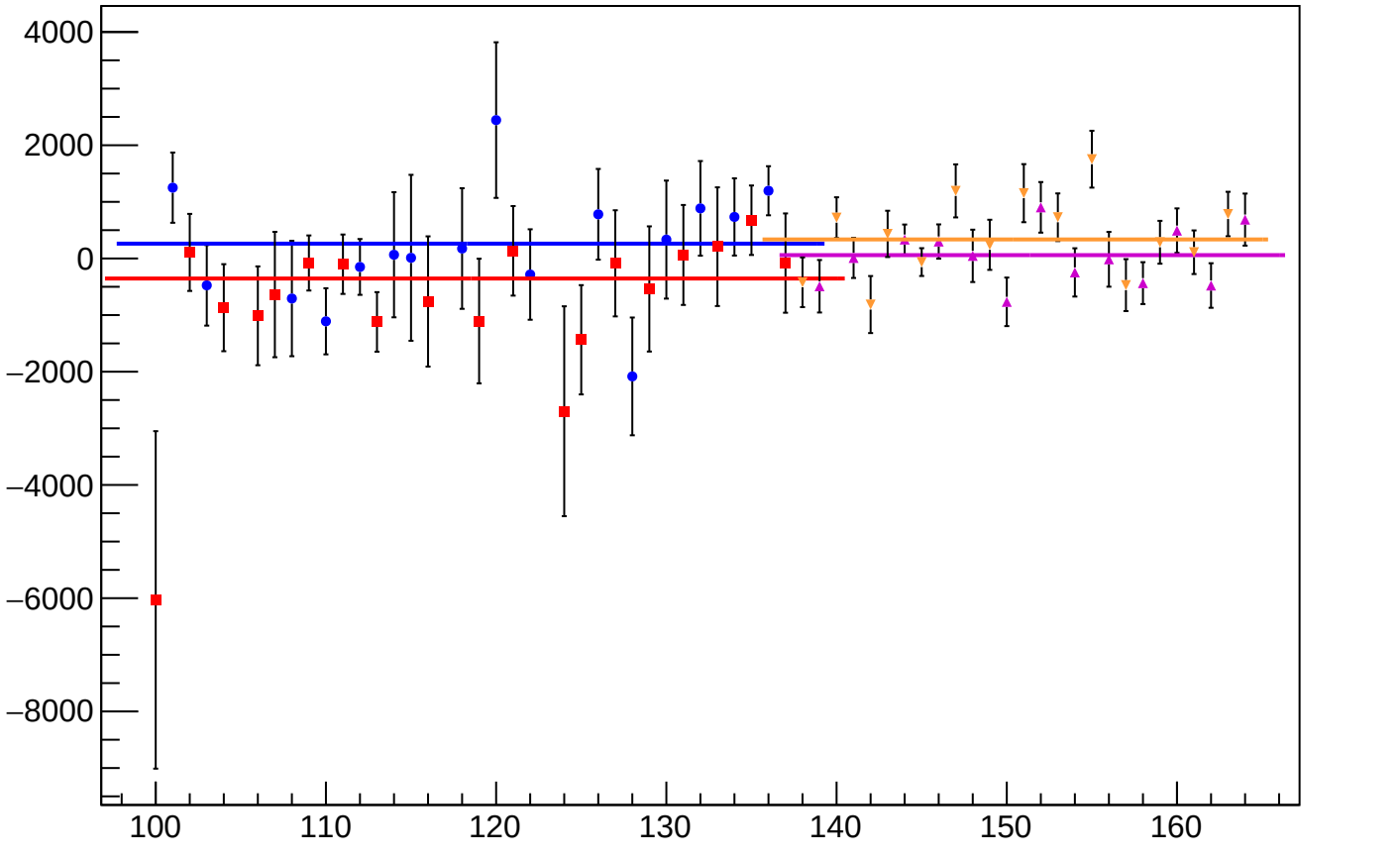
Left: 41.091+/-0.006 χ^2/NDF: 227428.0/26

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.652+/-0.007 χ^2/NDF:727001.5/28

Out: 42.687+/-0.007 χ^2/NDF:732595.1/32

All: 42.670+/-0.005 χ^2/NDF: 1459609.0/61



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 336.239+/-106.929 χ^2/NDF:31.6/13

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 59.020+/-106.772 χ^2/NDF:17.7/12

Left: 197.426+/-75.554 χ^2/NDF: 52.6/26

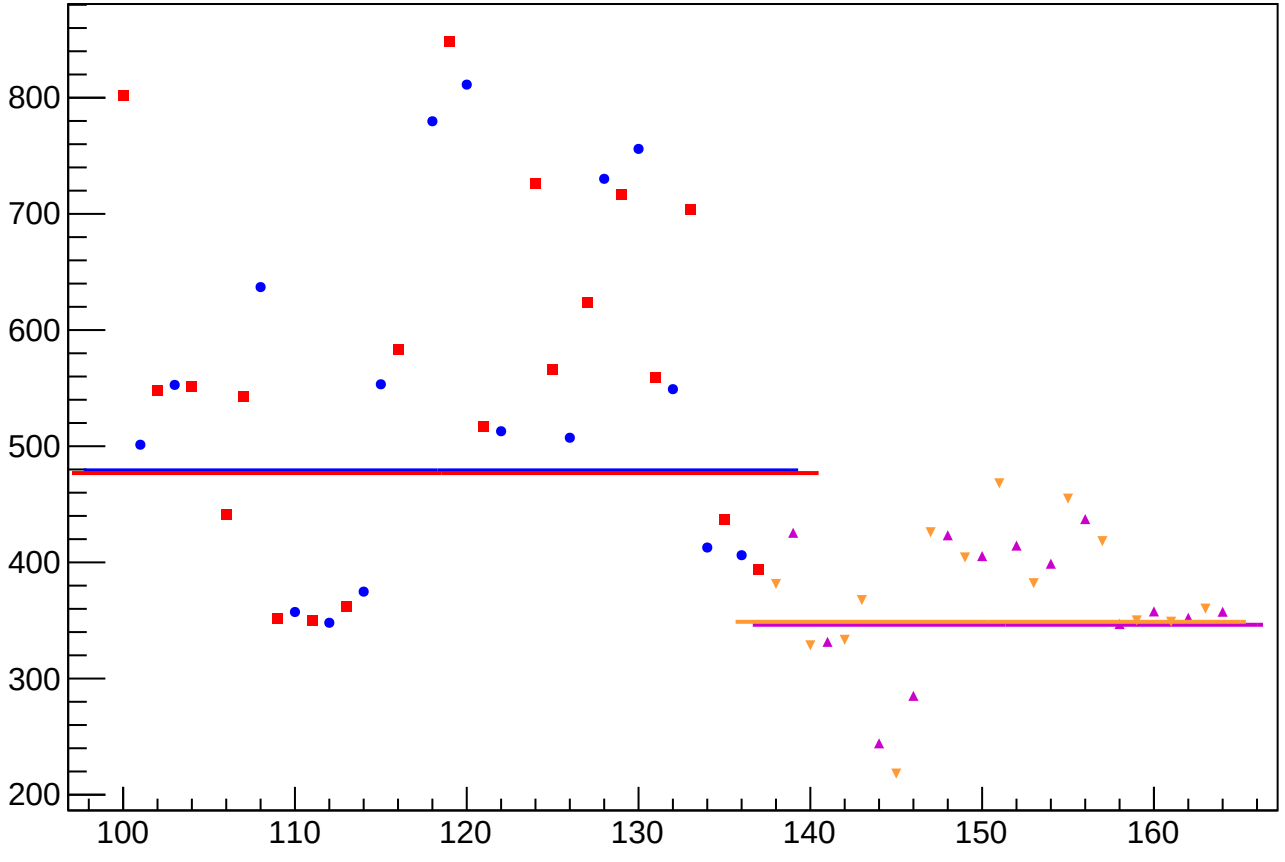
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 109.638+/-92.502 χ^2/NDF:43.6/28

Out: 158.927+/-92.182 χ^2/NDF:57.5/32

All: 134.368+/-65.295 χ^2/NDF: 101.2/61

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: 348.859+/-0.076 χ^2/NDF:932829.6/13

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 346.304+/-0.075 χ^2/NDF:685596.1/12

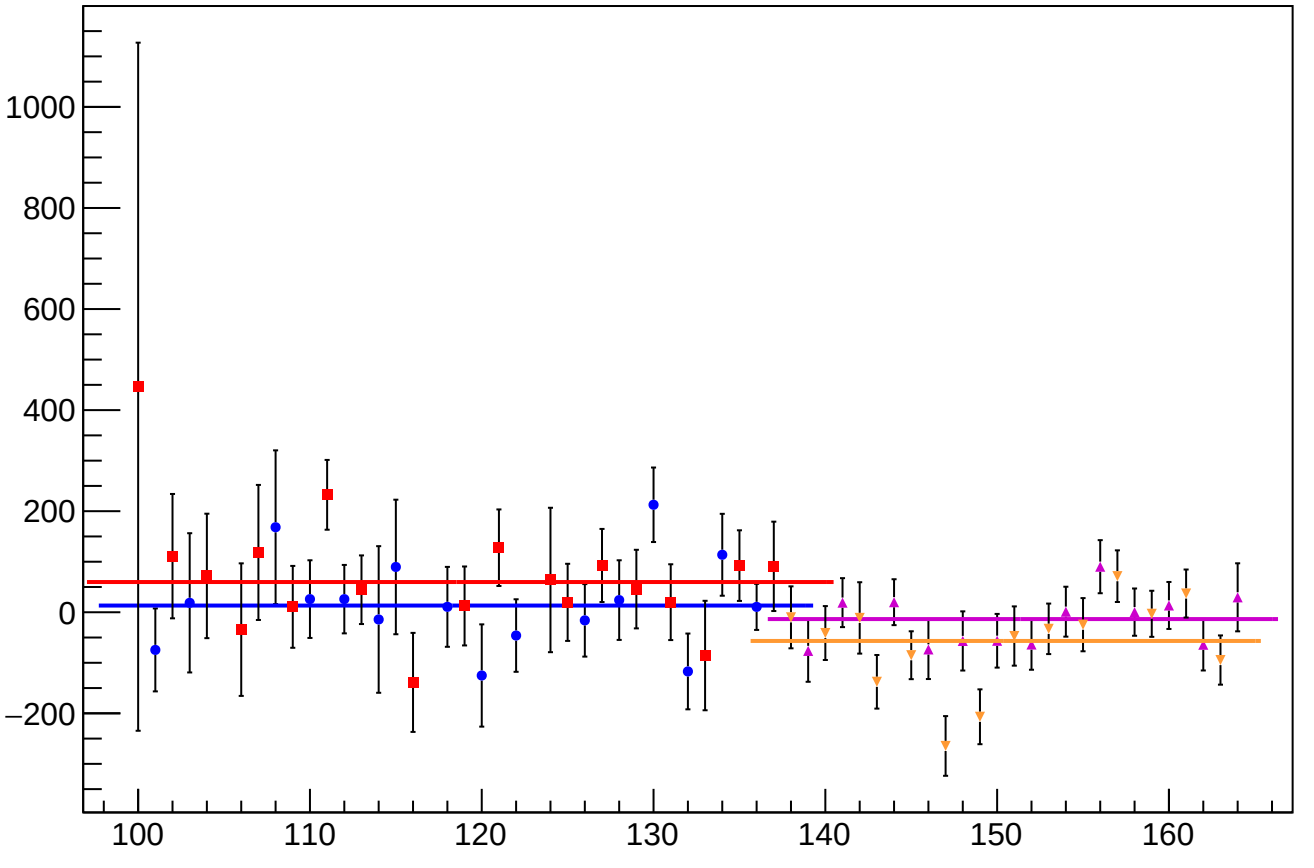
Left: 347.579+/-0.053 χ^2/NDF: 1618997.4/26

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 379.448+/-0.065 χ^2/NDF:2410951.1/28

Out: 381.739+/-0.065 χ^2/NDF:2672982.2/32

All: 380.597+/-0.046 χ^2/NDF: 5084548.7/61



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -56.790+/-14.105 χ^2/NDF:36.6/13

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -13.487+/-14.414 χ^2/NDF:11.1/12

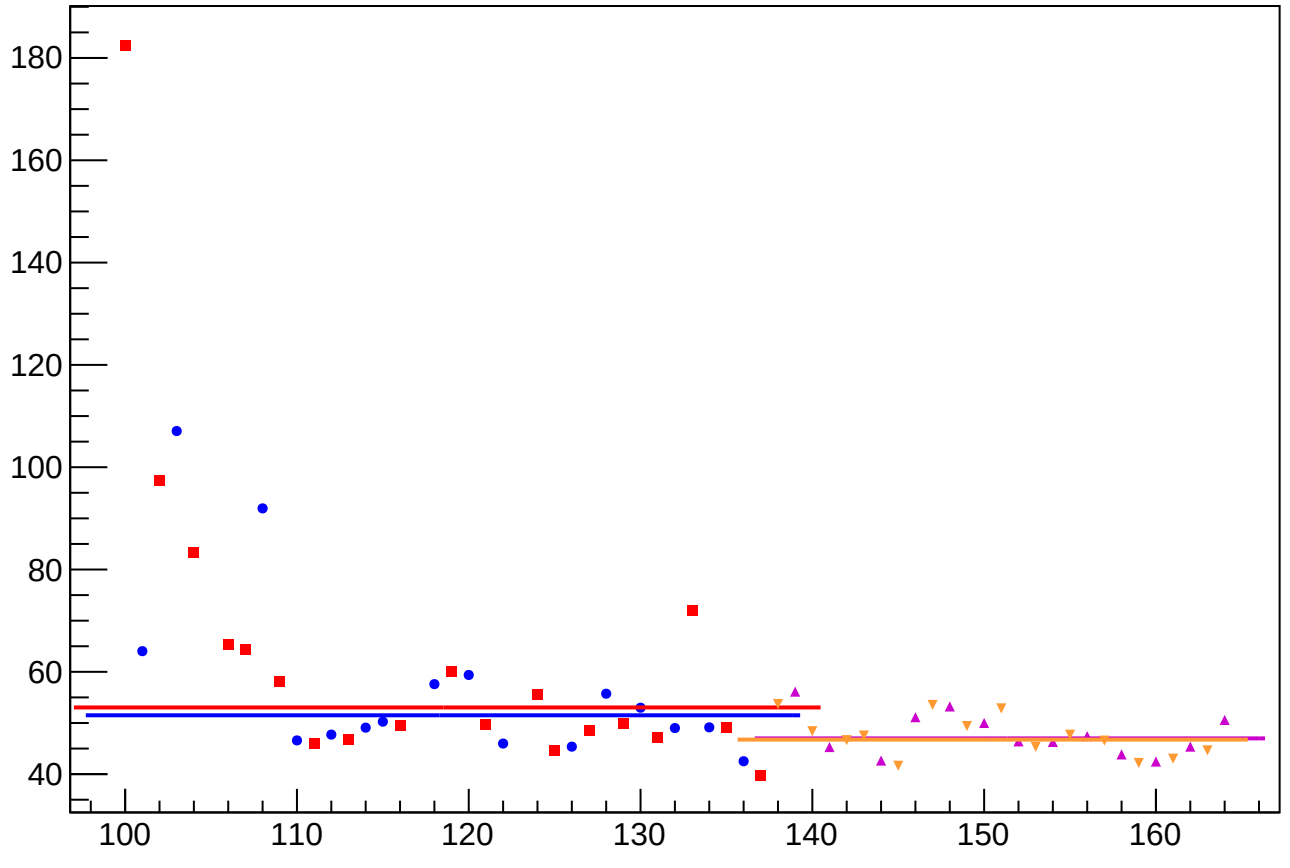
Left: -35.607+/-10.081 χ^2/NDF: 52.3/26

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -4.250+/-11.663 χ^2/NDF:29.5/28

Out: -18.658+/-11.571 χ^2/NDF:75.0/32

All: -11.511+/-8.214 χ^2/NDF: 105.4/61



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 46.753+/-0.010 χ^2/NDF:142562.4/13

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 46.991+/-0.010 χ^2/NDF:141025.1/12

Left: 46.869+/-0.007 χ^2/NDF: 283865.1/26

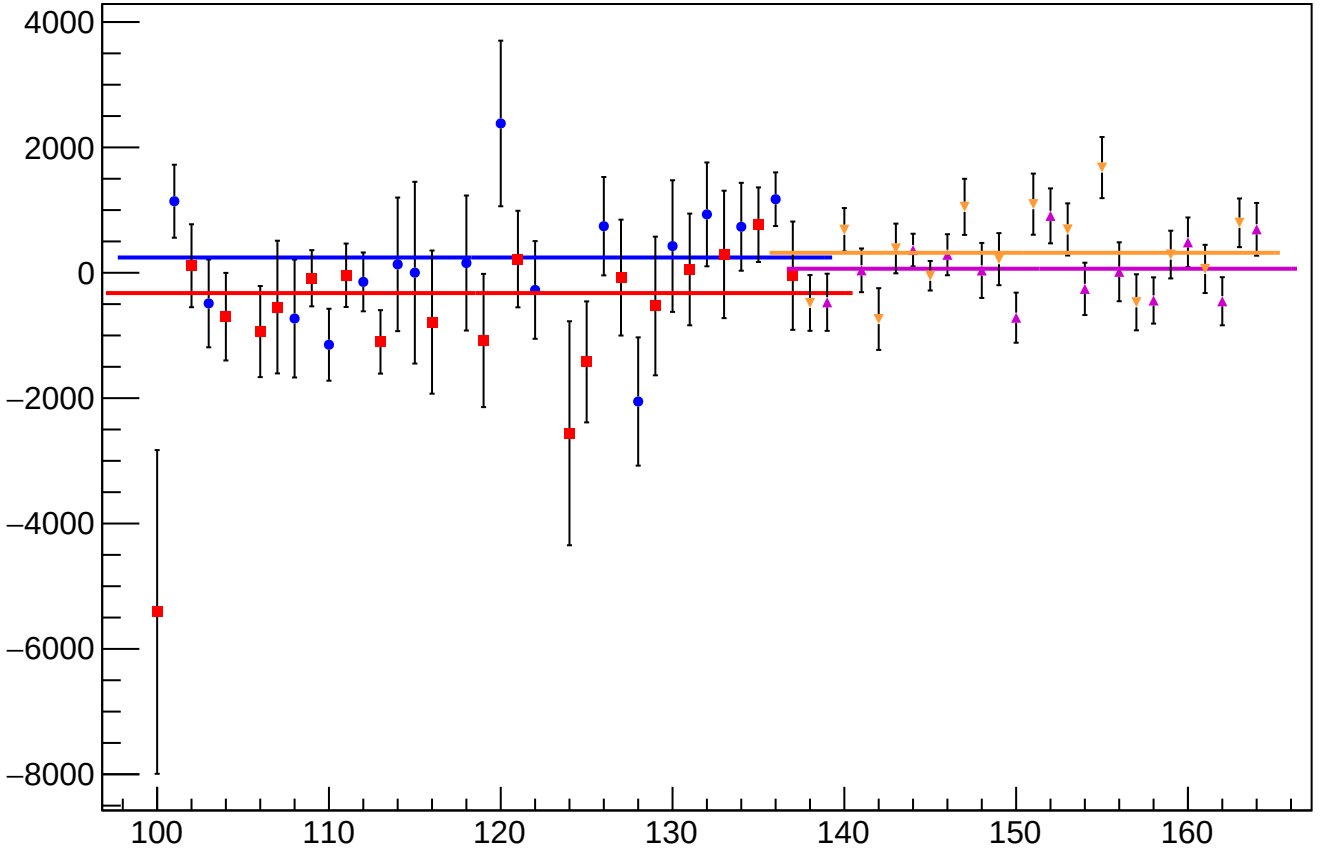
Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 48.550+/-0.008 χ^2/NDF:875831.9/28

Out: 48.808+/-0.008 χ^2/NDF:985297.9/32

All: 48.680+/-0.006 χ^2/NDF: 1861626.2/61

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: 318.870+/-104.186 χ^2/NDF:30.3/13

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 64.522+/-105.264 χ^2/NDF:18.4/12

Left: 193.004+/-74.049 χ^2/NDF: 51.7/26

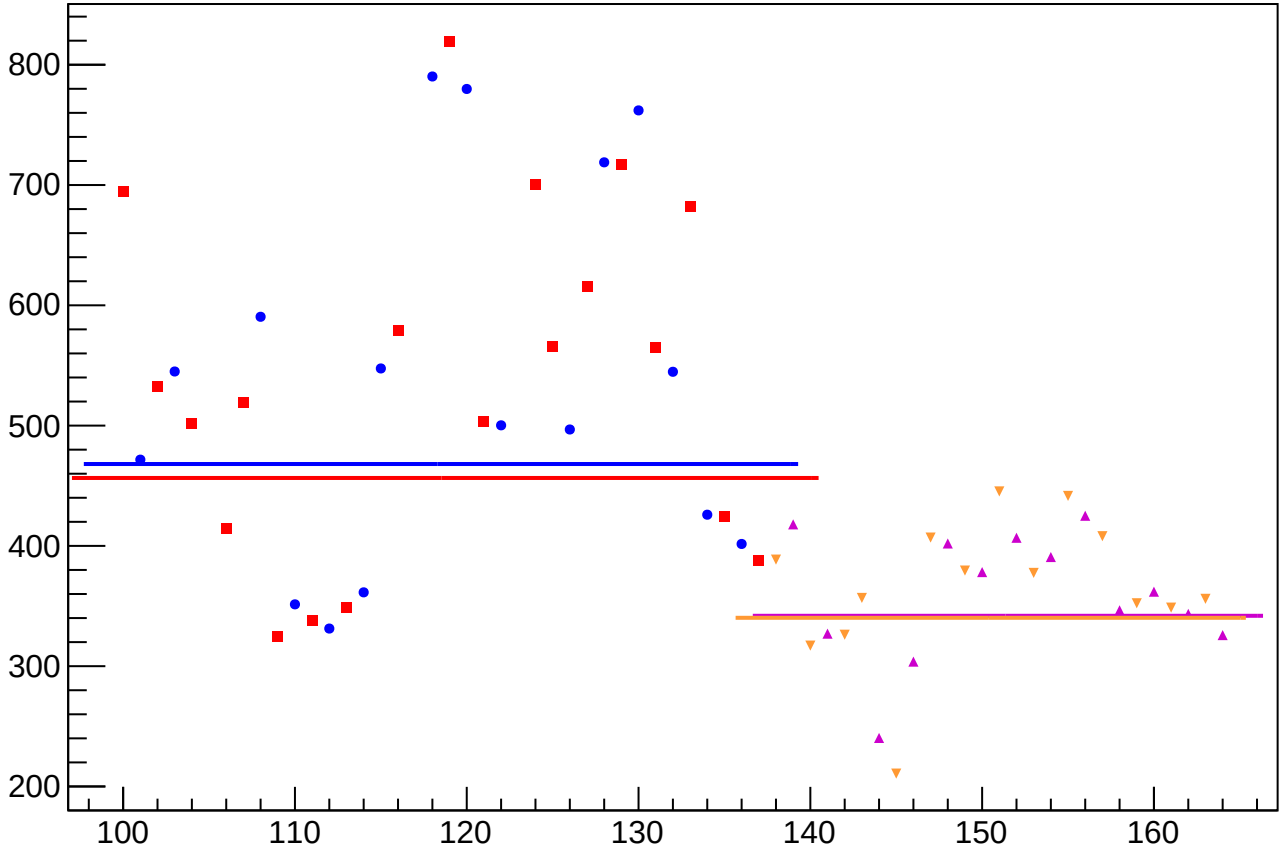
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 109.887+/-90.978 χ^2/NDF:44.7/28

Out: 148.780+/-89.337 χ^2/NDF:56.9/32

All: 129.687+/-63.743 χ^2/NDF: 101.7/61

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 340.220+/-0.074 χ^2/NDF:950783.9/13

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 341.894+/-0.074 χ^2/NDF:588022.4/12

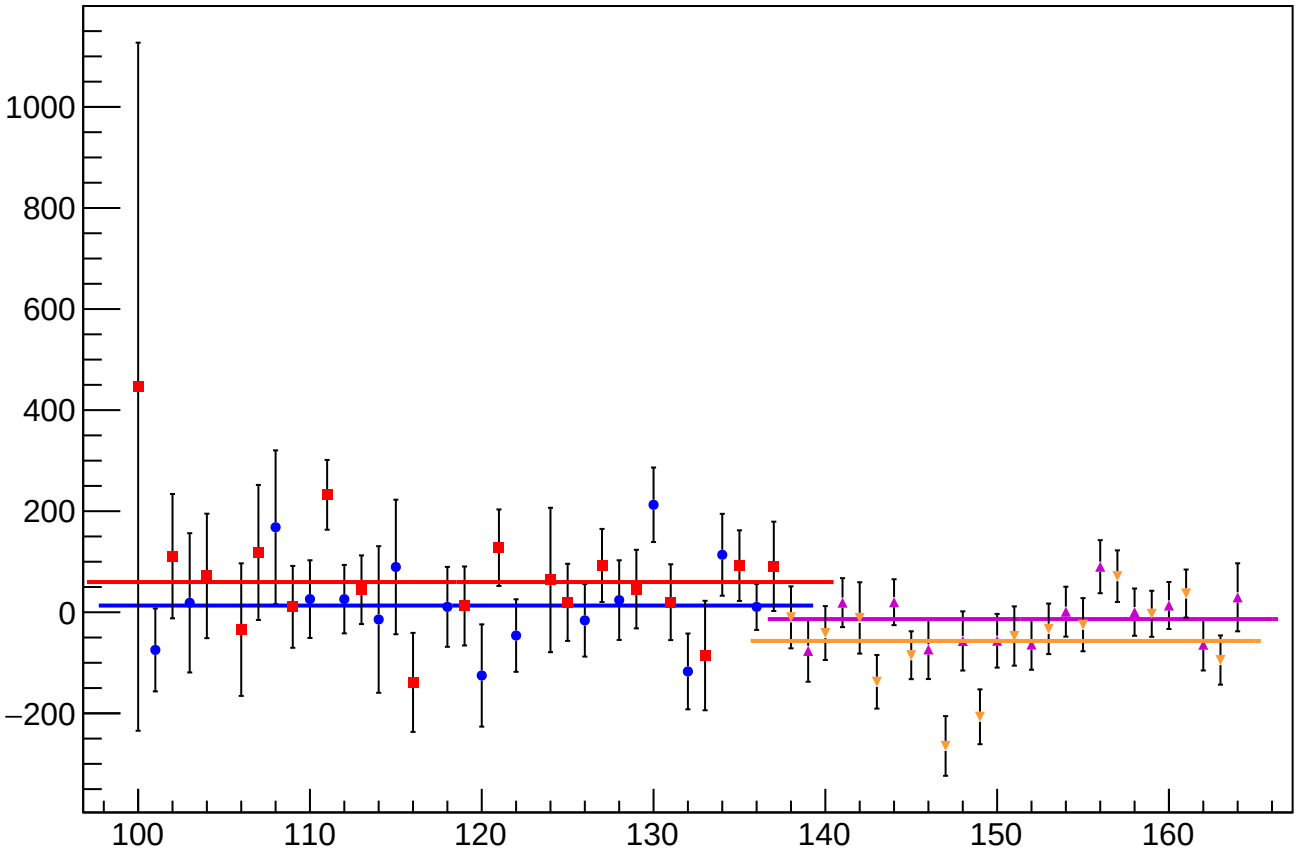
Left: 341.048+/-0.052 χ^2/NDF: 1539061.8/26

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 373.816+/-0.064 χ^2/NDF:2297930.6/28

Out: 370.995+/-0.063 χ^2/NDF:2692508.6/32

All: 372.380+/-0.045 χ^2/NDF: 4991418.4/61



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -56.791+/-14.105 χ^2/NDF:36.6/13

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -13.487+/-14.414 χ^2/NDF:11.1/12

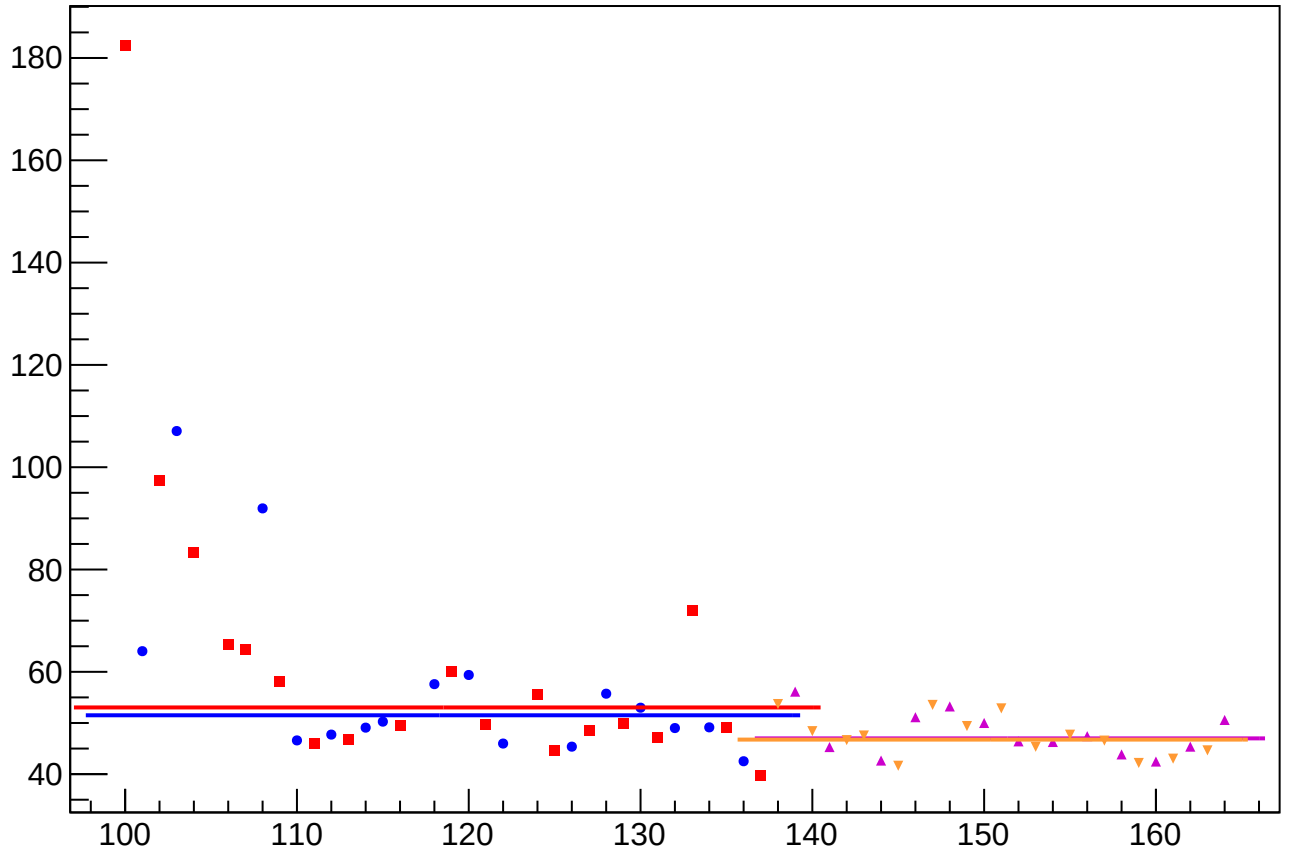
Left: -35.607+/-10.081 χ^2/NDF: 52.3/26

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -4.250+/-11.663 χ^2/NDF:29.5/28

Out: -18.658+/-11.571 χ^2/NDF:75.0/32

All: -11.511+/-8.214 χ^2/NDF: 105.4/61



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 46.753+/-0.010 χ^2/NDF:142565.1/13

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 46.991+/-0.010 χ^2/NDF:141026.2/12

Left: 46.869+/-0.007 χ^2/NDF: 283868.9/26

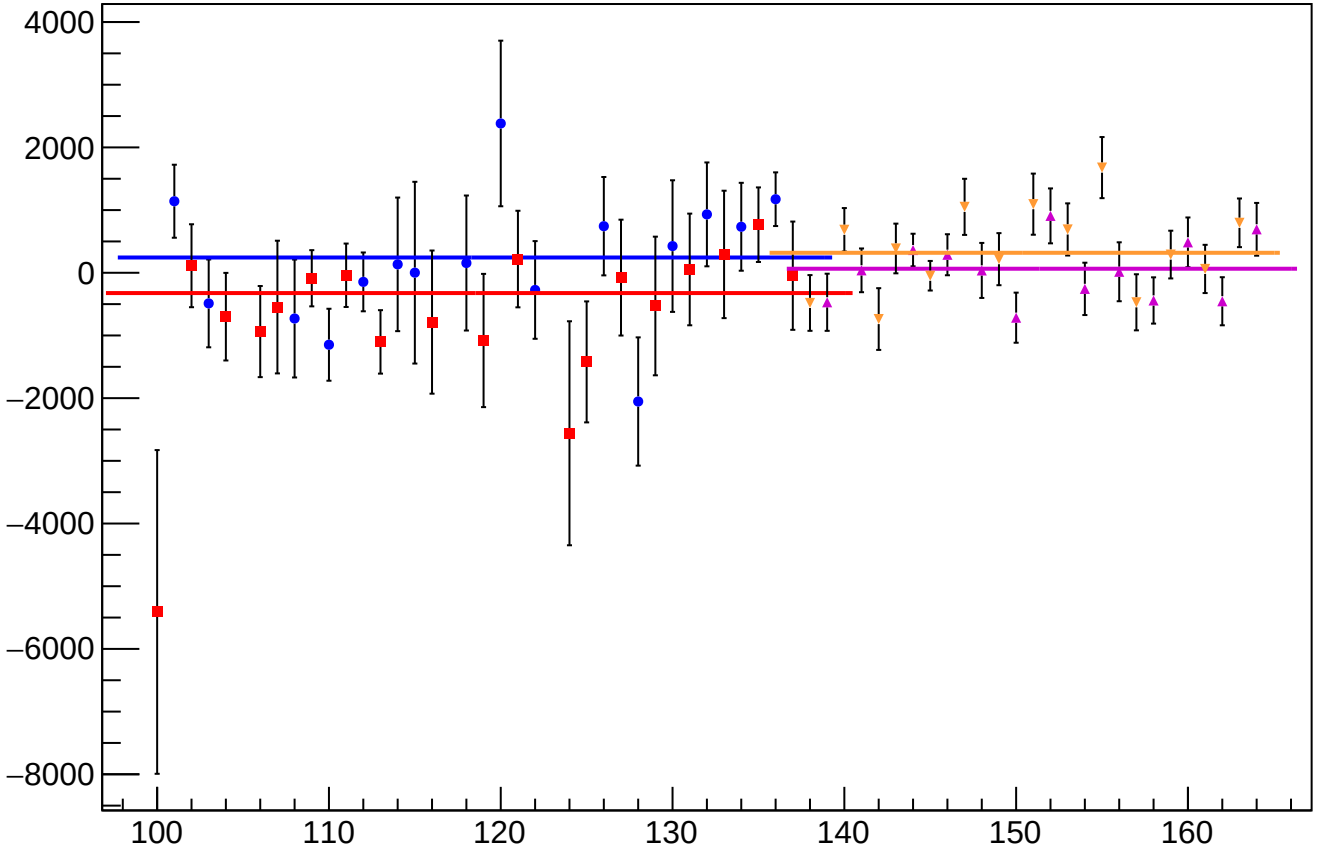
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 48.550+/-0.008 χ^2/NDF:875838.0/28

Out: 48.808+/-0.008 χ^2/NDF:985309.9/32

All: 48.680+/-0.006 χ^2/NDF: 1861644.3/61

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: 318.870+/-104.186 χ^2/NDF:30.3/13

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 64.523+/-105.264 χ^2/NDF:18.4/12

Left: 193.004+/-74.049 χ^2/NDF: 51.7/26

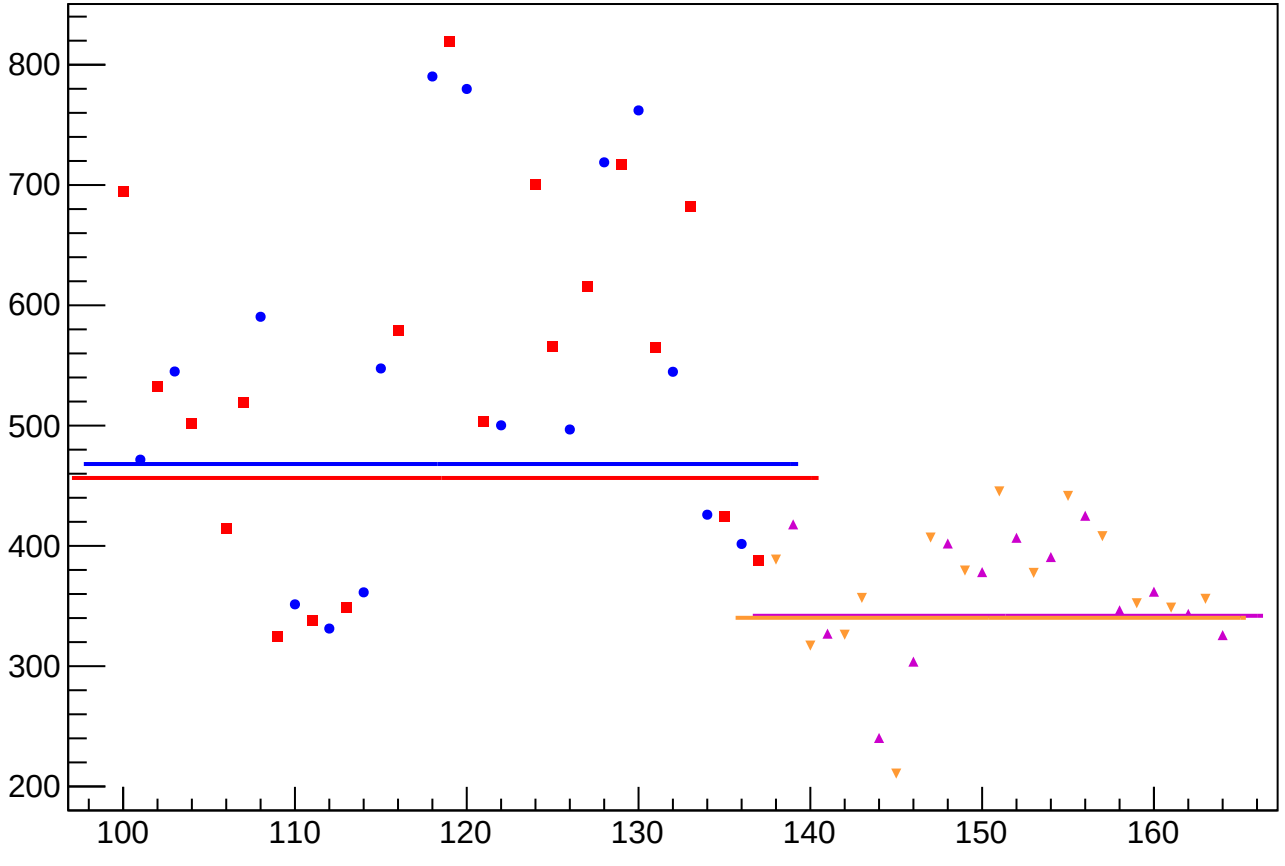
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 109.888+/-90.978 χ^2/NDF:44.7/28

Out: 148.779+/-89.337 χ^2/NDF:56.9/32

All: 129.687+/-63.743 χ^2/NDF: 101.7/61

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: 340.220+/-0.074 χ^2/NDF:950788.4/13

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 341.894+/-0.074 χ^2/NDF:588023.8/12

Left: 341.048+/-0.052 χ^2/NDF: 1539067.7/26

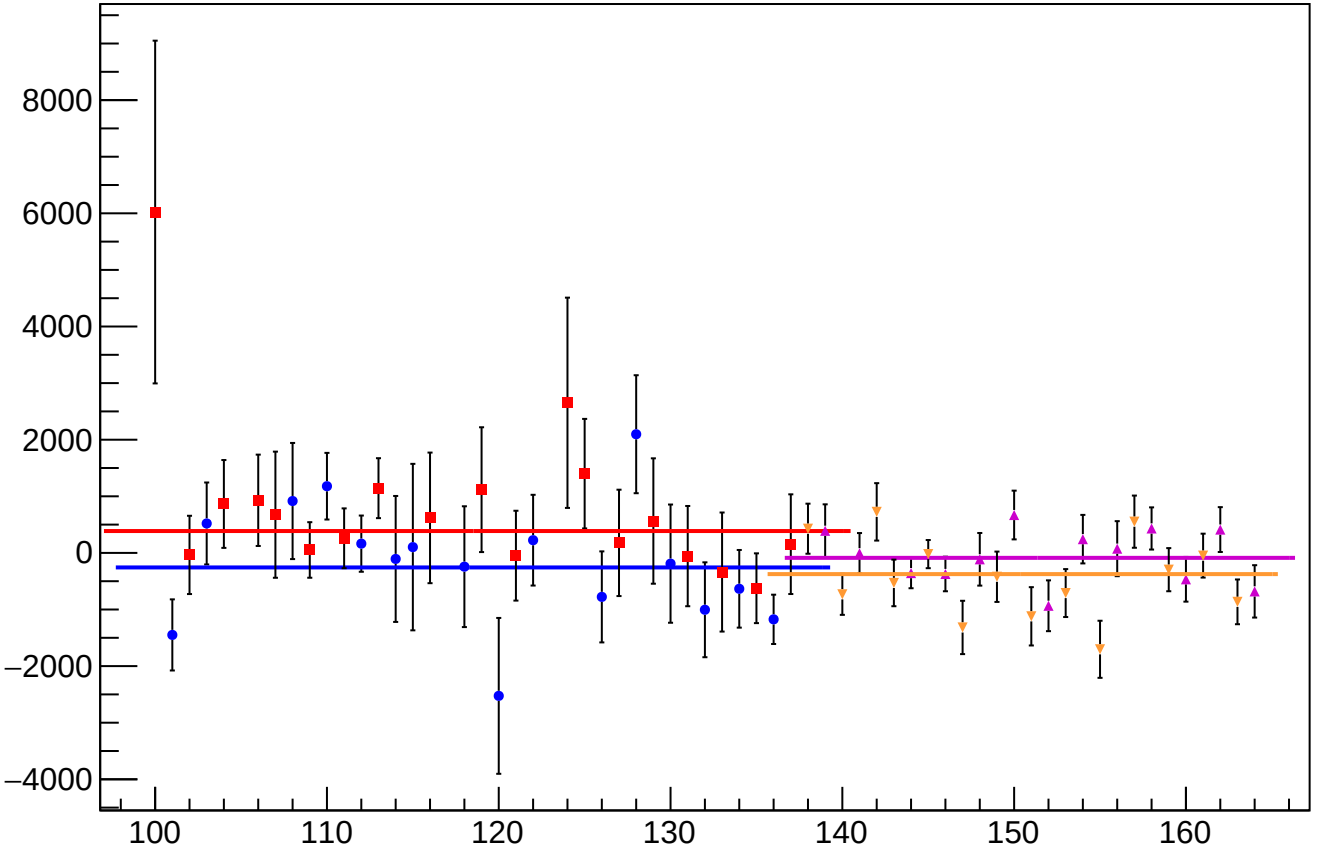
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 373.816+/-0.064 χ^2/NDF:2297924.0/28

Out: 370.994+/-0.063 χ^2/NDF:2692503.8/32

All: 372.379+/-0.045 χ^2/NDF: 4991407.1/61

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -374.552+/-107.746 χ^2/NDF:31.1/13

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -87.314+/-107.586 χ^2/NDF:16.4/12

Left: -230.719+/-76.131 χ^2/NDF: 51.1/26

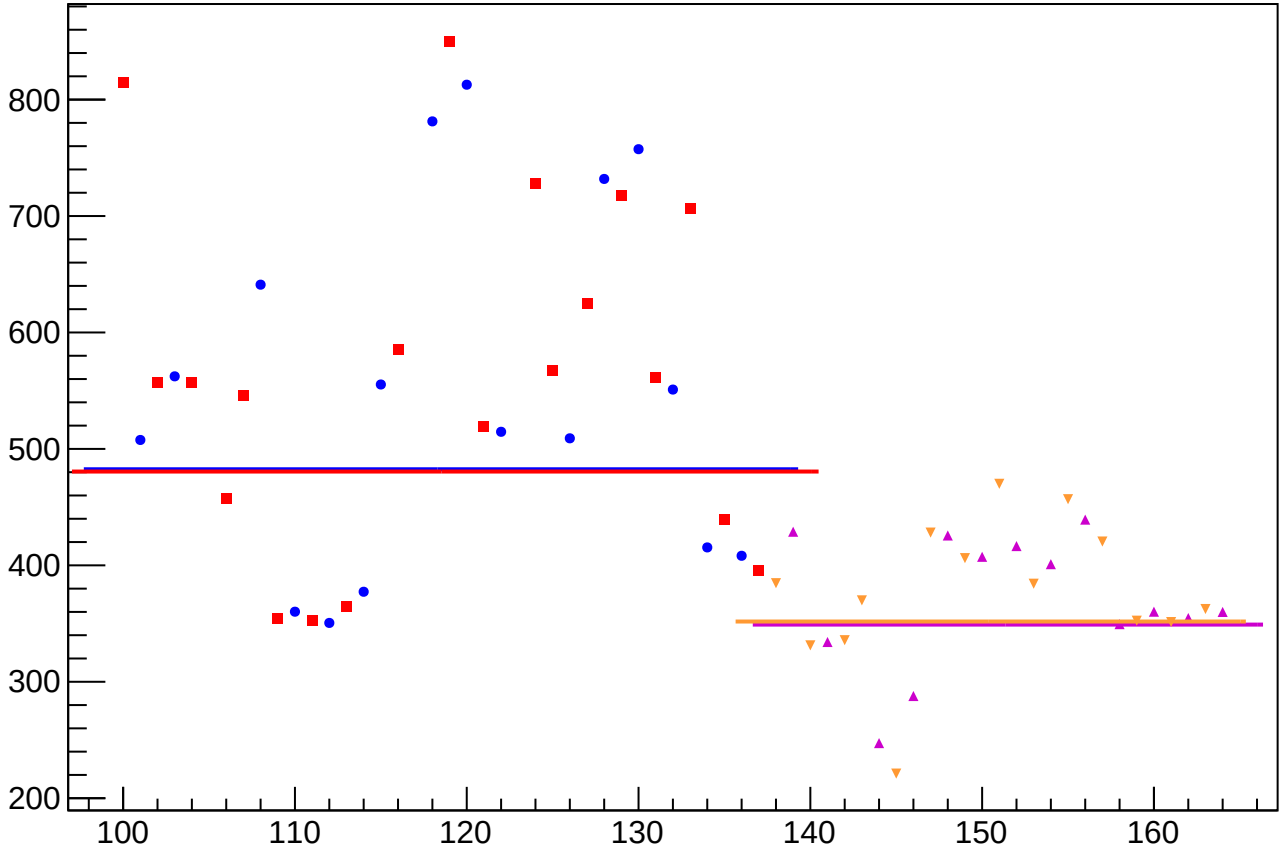
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -129.632+/-93.187 χ^2/NDF:44.0/28

Out: -177.638+/-92.765 χ^2/NDF:58.3/32

All: -153.744+/-65.743 χ^2/NDF: 102.4/61

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 351.751+/-0.076 χ^2/NDF:907144.2/13

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 349.114+/-0.076 χ^2/NDF:668276.3/12

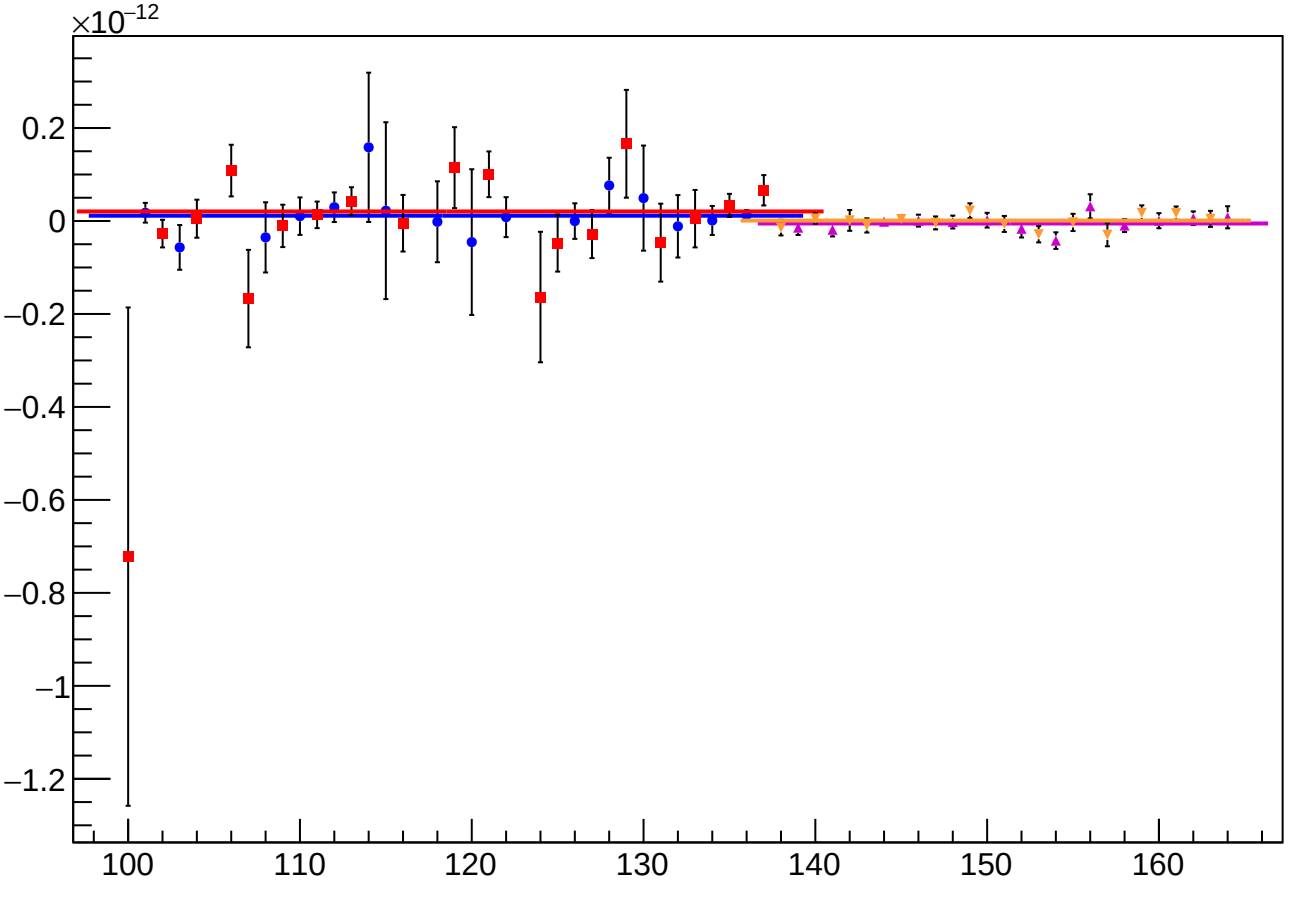
Left: 350.431+/-0.054 χ^2/NDF: 1576020.0/26

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 382.432+/-0.066 χ^2/NDF:2382775.6/28

Out: 385.081+/-0.066 χ^2/NDF:2640557.6/32

All: 383.763+/-0.046 χ^2/NDF: 5024144.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/12

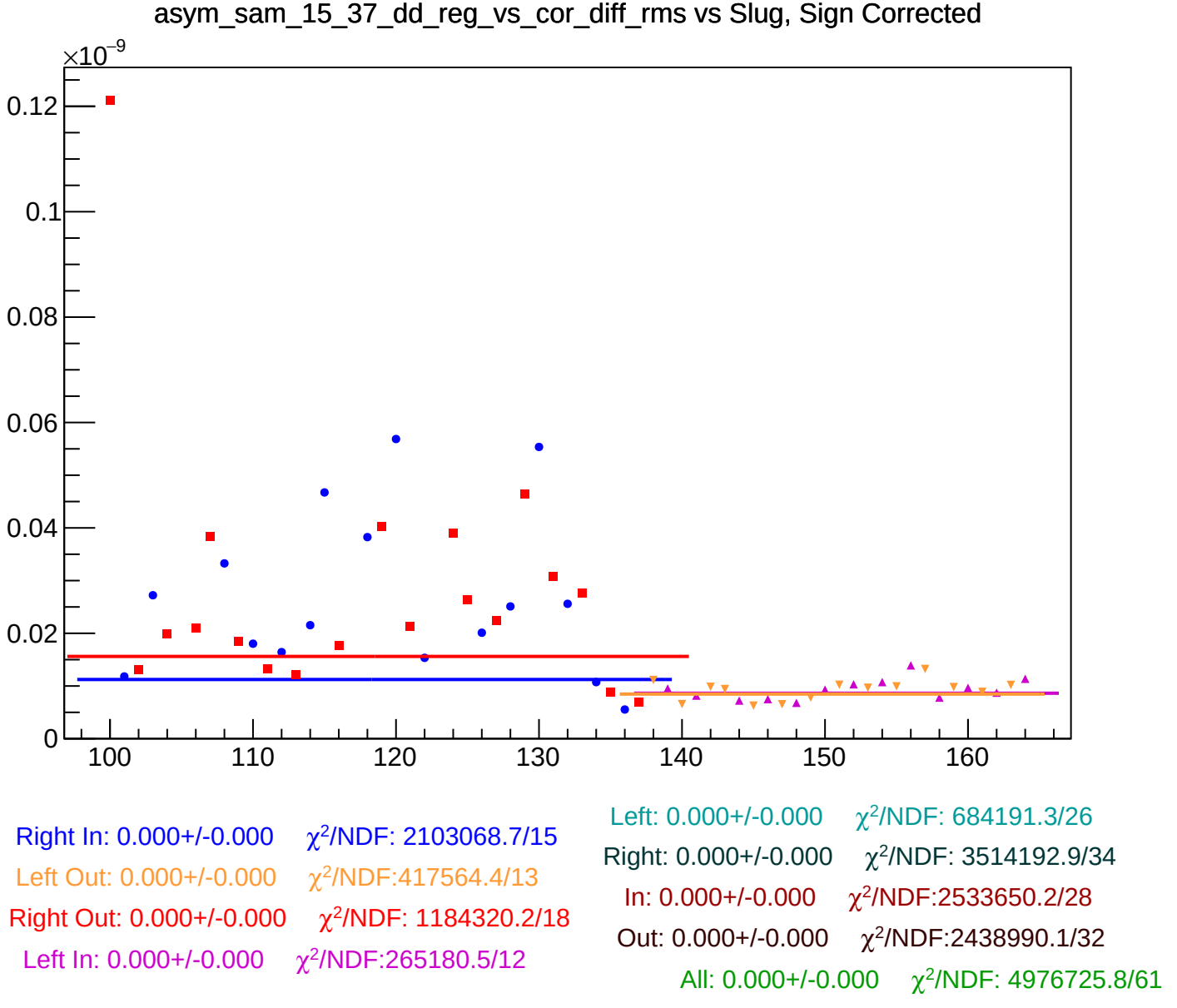
Left: -0.000+/-0.000 χ^2/NDF: 21.0/26

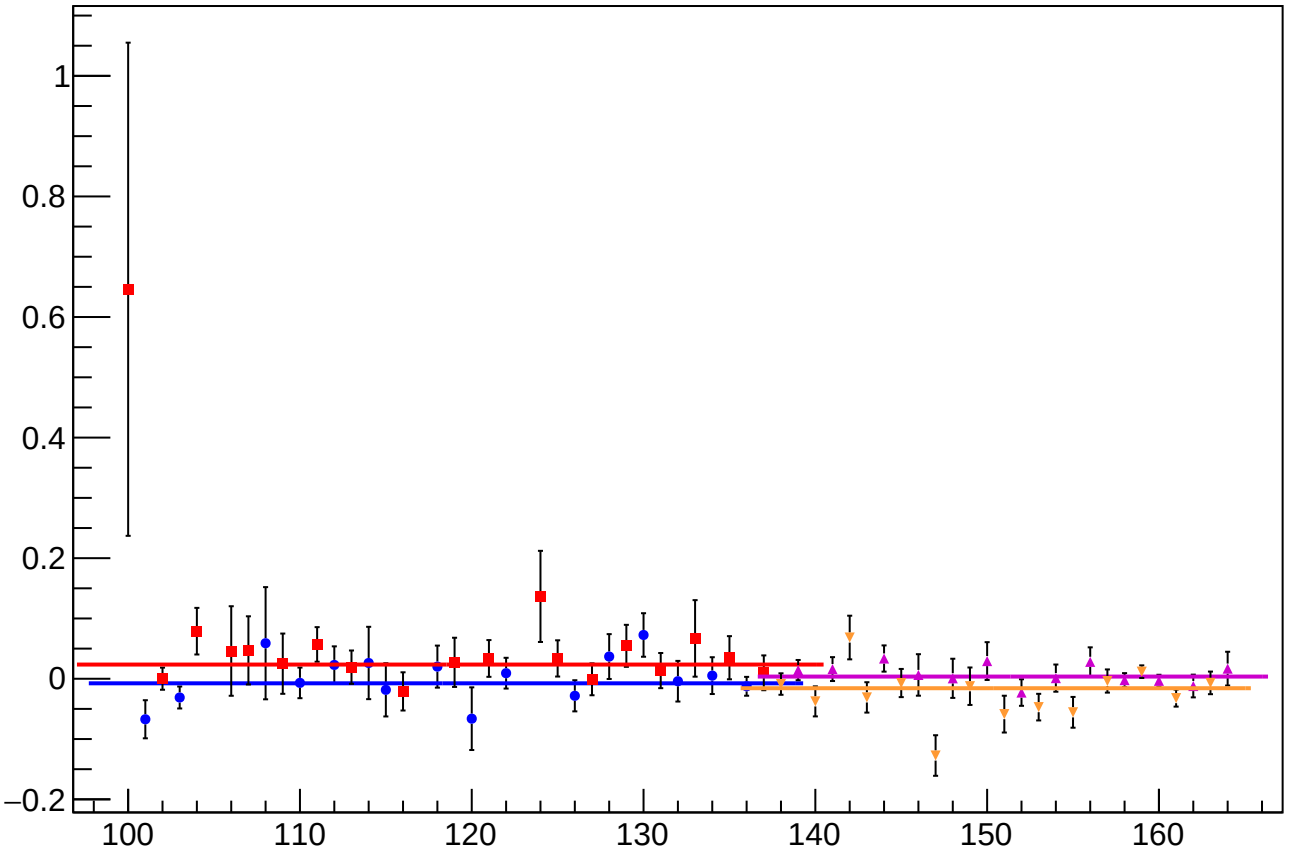
Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:18.4/28

Out: 0.000+/-0.000 χ^2/NDF:37.2/32

All: 0.000+/-0.000 χ^2/NDF: 56.6/61


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2103068.7/15
Left Out: 0.000+/-0.000 χ²/NDF:417564.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 1184320.2/18
Left In: 0.000+/-0.000 χ²/NDF:265180.5/12
Left: 0.000+/-0.000 χ²/NDF: 684191.3/26
Right: 0.000+/-0.000 χ²/NDF: 3514192.9/34
In: 0.000+/-0.000 χ²/NDF:2533650.2/28
Out: 0.000+/-0.000 χ²/NDF:2438990.1/32
All: 0.000+/-0.000 χ²/NDF: 4976725.8/61



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.016+/-0.005 χ^2/NDF:33.1/13

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.004+/-0.005 χ^2/NDF:7.5/12

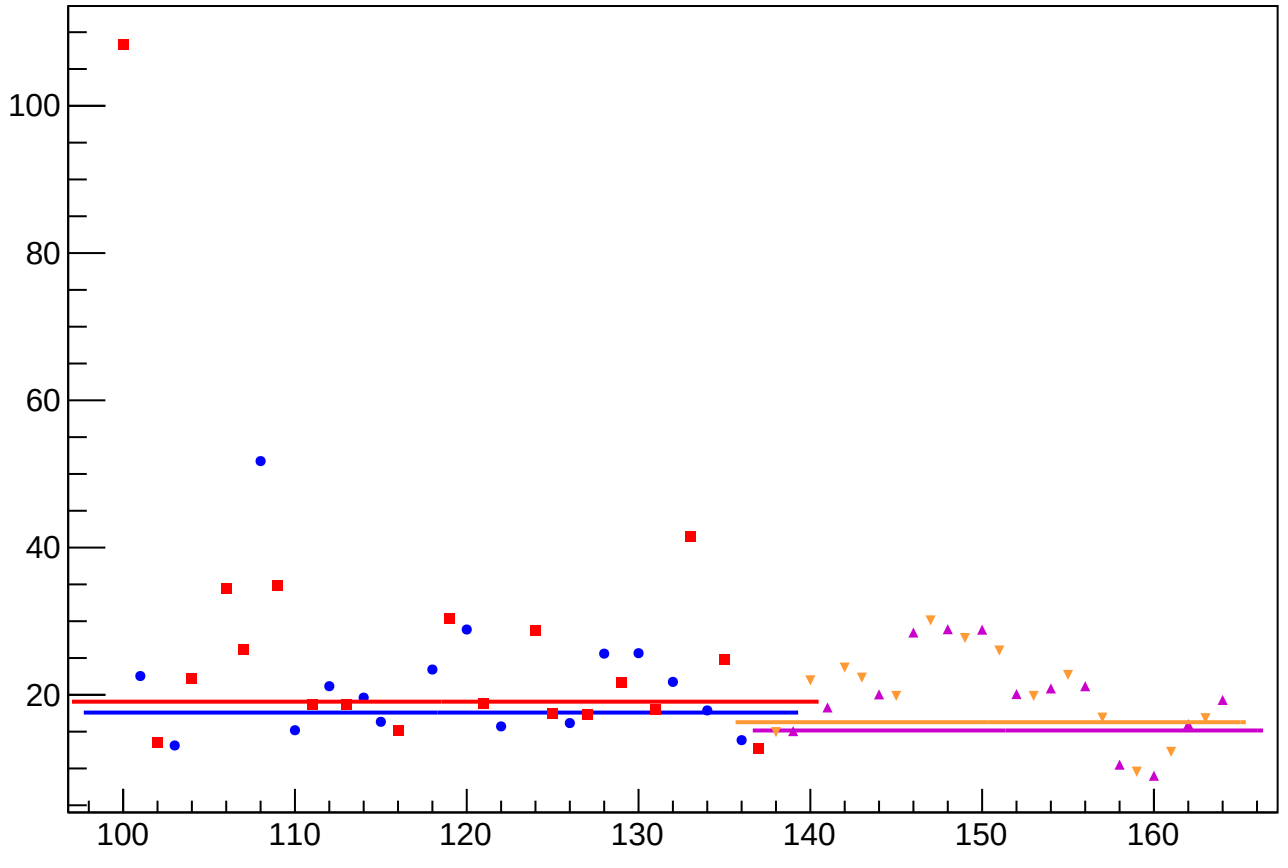
Left: -0.006+/-0.004 χ^2/NDF: 47.5/26

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.000+/-0.004 χ^2/NDF:25.9/28

Out: -0.003+/-0.004 χ^2/NDF:65.2/32

All: -0.002+/-0.003 χ^2/NDF: 91.3/61



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.283+/-0.004 χ^2/NDF:2341706.8/13

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.157+/-0.004 χ^2/NDF:2667226.7/12

Left: 15.697+/-0.003 χ^2/NDF: 5055406.9/26

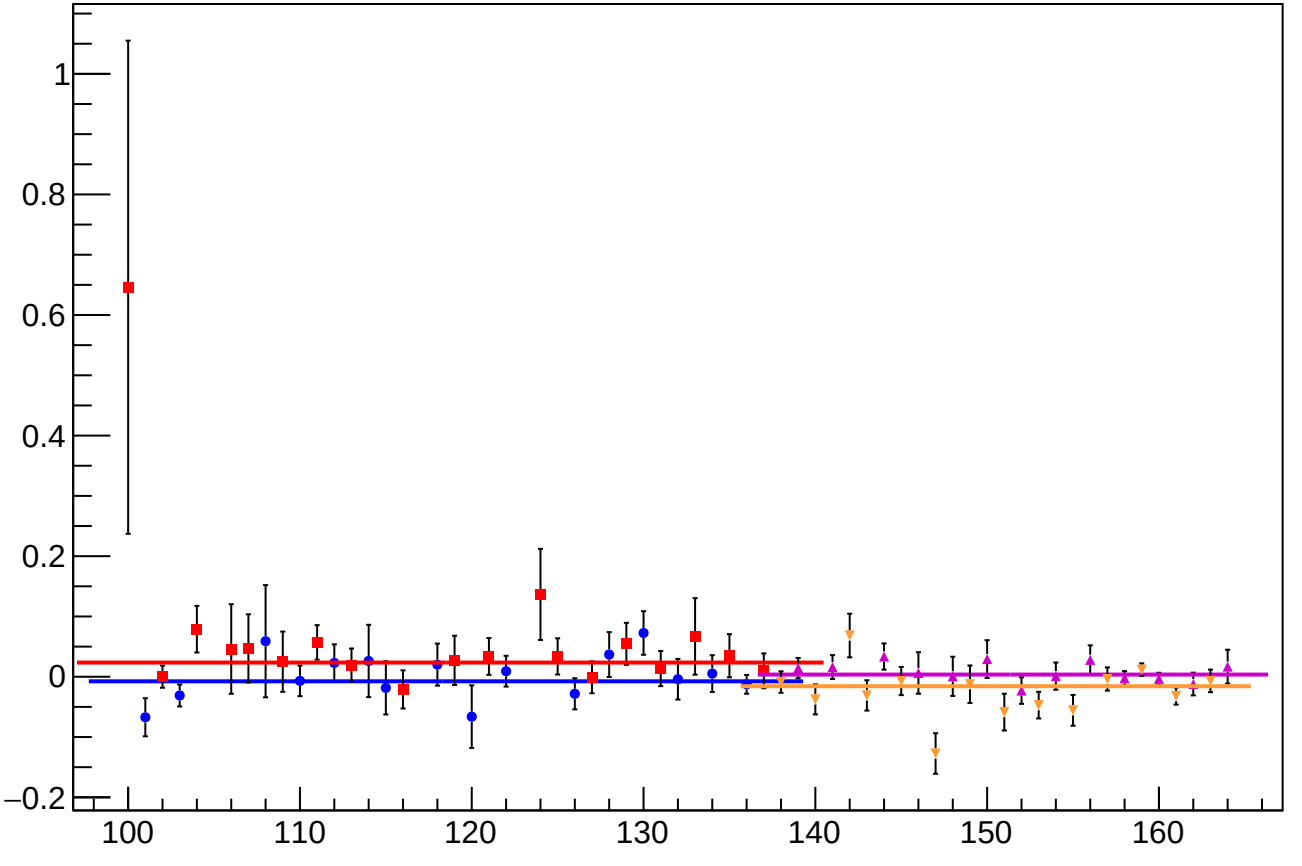
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.973+/-0.003 χ^2/NDF:3812392.0/28

Out: 17.180+/-0.003 χ^2/NDF:3765703.9/32

All: 16.545+/-0.002 χ^2/NDF: 7657531.1/61

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: -0.016+/-0.005 χ^2/NDF:33.1/13

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.004+/-0.005 χ^2/NDF:7.5/12

Left: -0.006+/-0.004 χ^2/NDF: 47.5/26

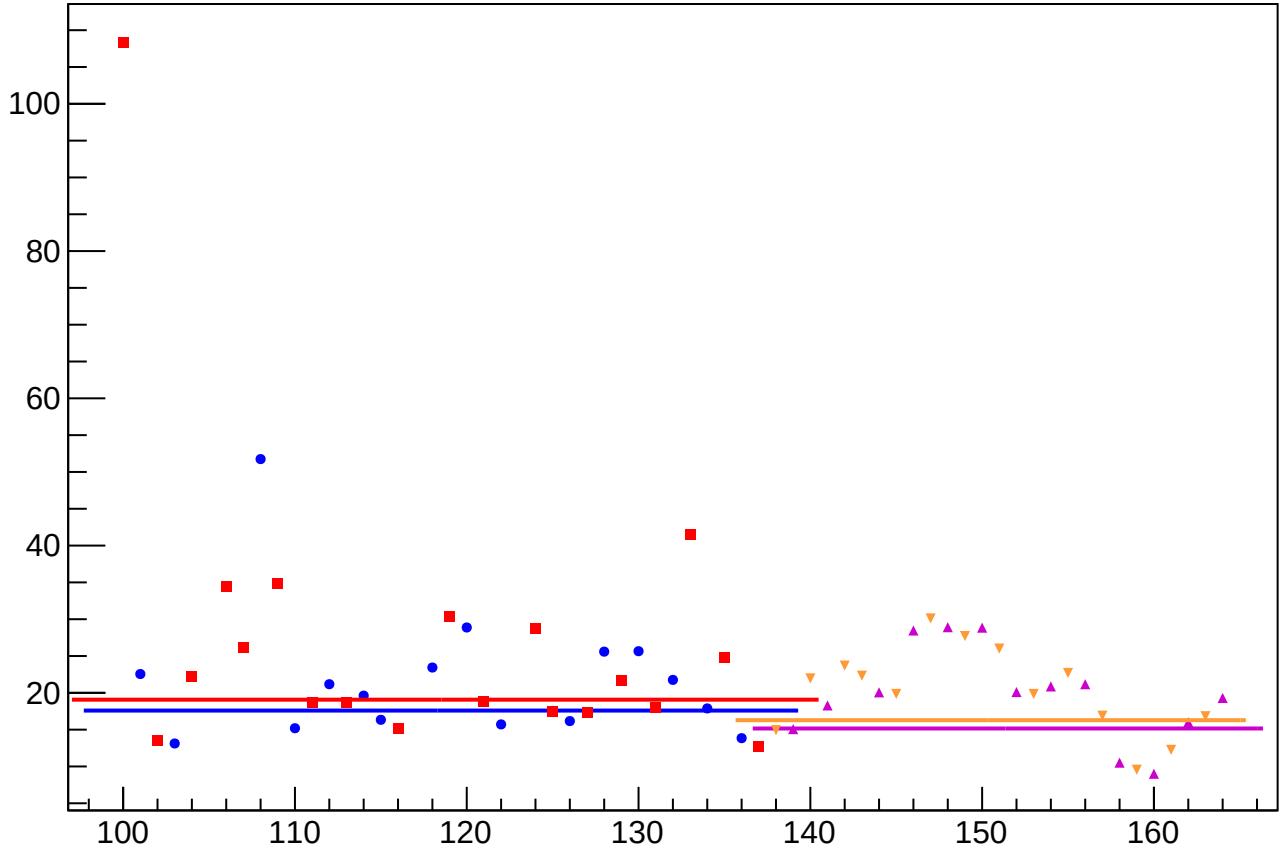
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.000+/-0.004 χ^2/NDF:25.9/28

Out: -0.003+/-0.004 χ^2/NDF:65.2/32

All: -0.002+/-0.003 χ^2/NDF: 91.3/61

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: 16.283+/-0.004 χ^2/NDF:2341706.8/13

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.157+/-0.004 χ^2/NDF:2667226.7/12

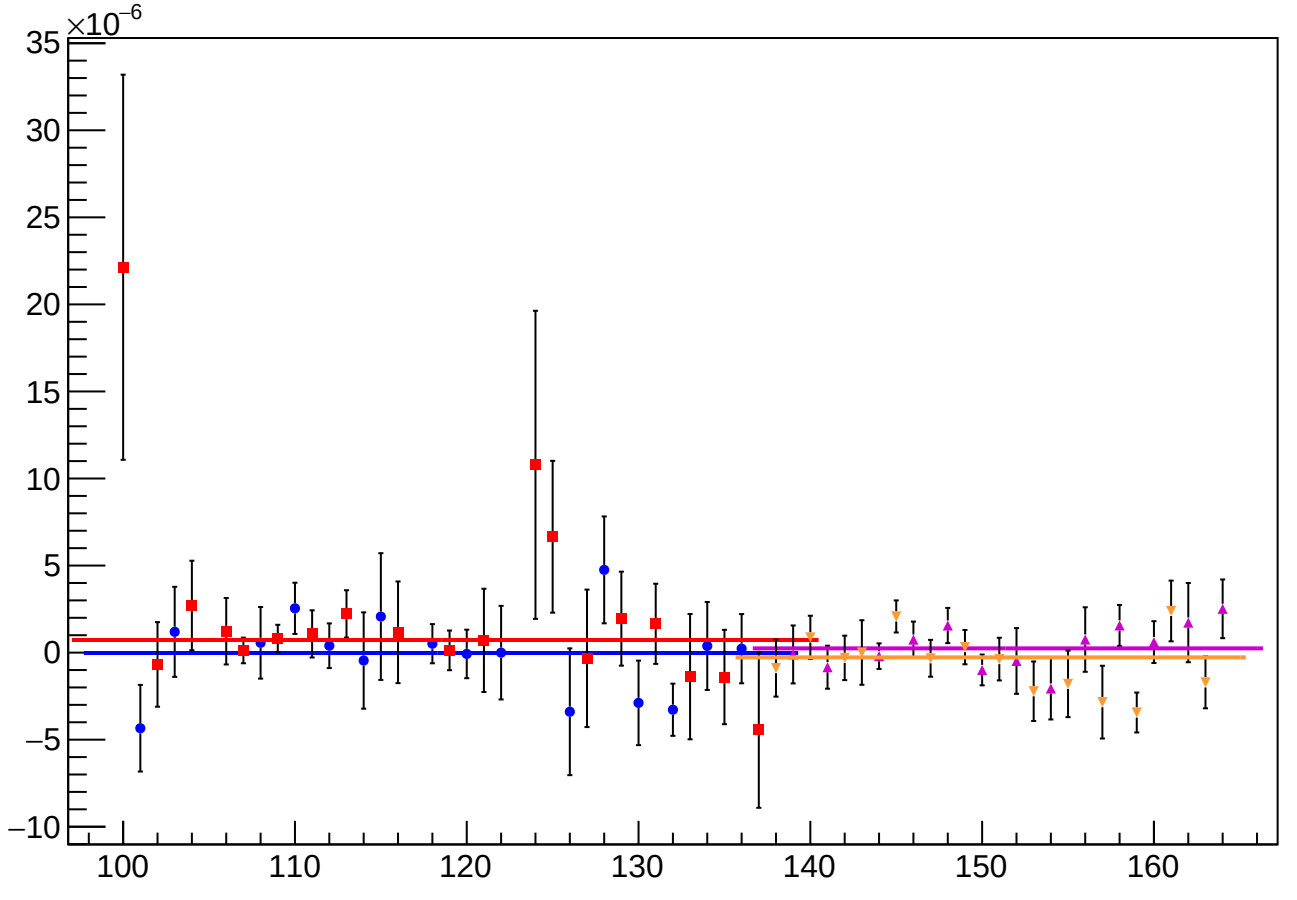
Left: 15.697+/-0.003 χ^2/NDF: 5055406.9/26

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.973+/-0.003 χ^2/NDF:3812392.0/28

Out: 17.180+/-0.003 χ^2/NDF:3765703.9/32

All: 16.545+/-0.002 χ^2/NDF: 7657531.1/61



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/12

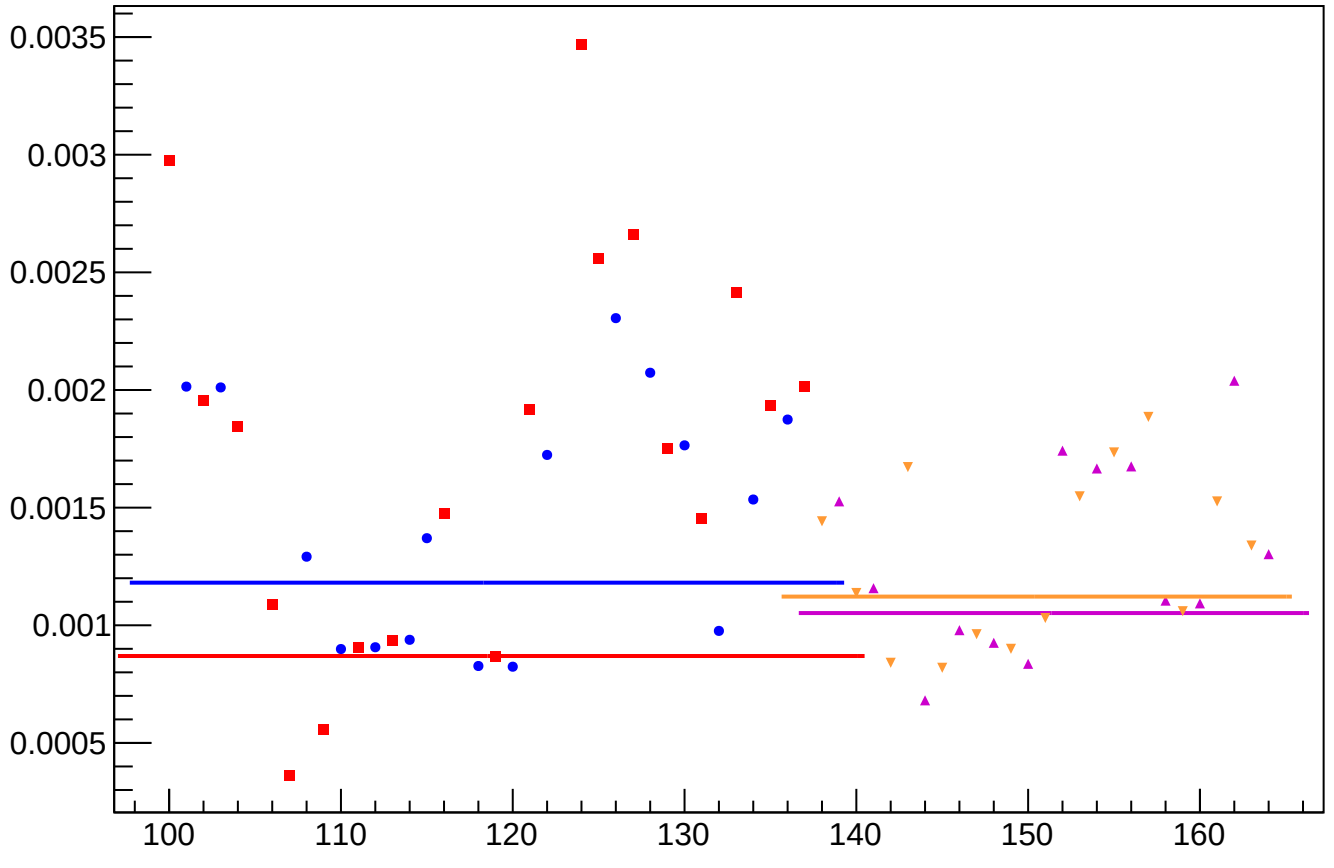
Left: -0.000+/-0.000 χ^2/NDF: 33.9/26

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:27.3/28

Out: 0.000+/-0.000 χ^2/NDF:38.8/32

All: 0.000+/-0.000 χ^2/NDF: 66.1/61



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1476701.8/13

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:2008311.0/12

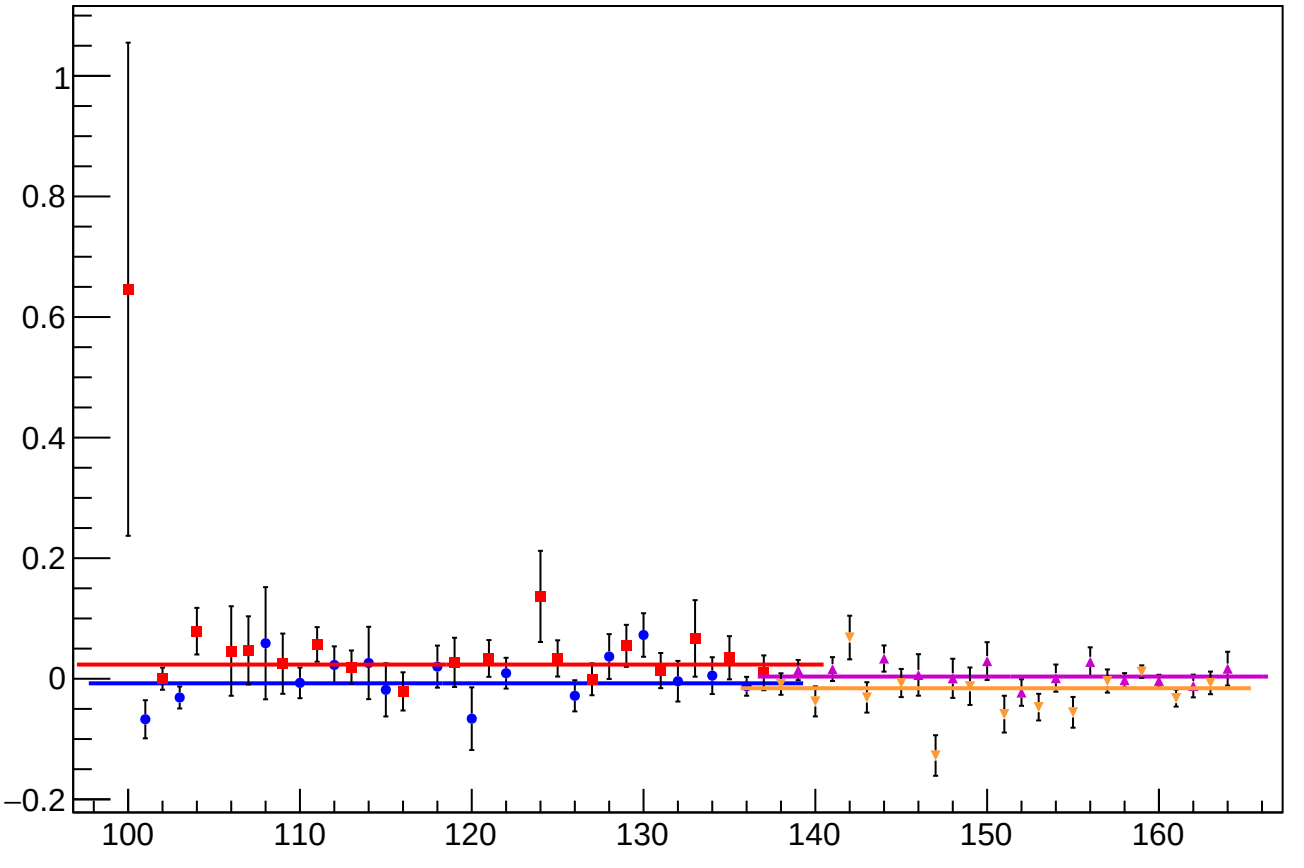
Left: 0.001+/-0.000 χ^2/NDF: 3526528.6/26

Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:3935975.6/28

Out: 0.001+/-0.000 χ^2/NDF:6385979.4/32

All: 0.001+/-0.000 χ^2/NDF: 10434734.7/61



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.016+/-0.005 χ^2/NDF:33.1/13

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.004+/-0.005 χ^2/NDF:7.5/12

Left: -0.006+/-0.004 χ^2/NDF: 47.5/26

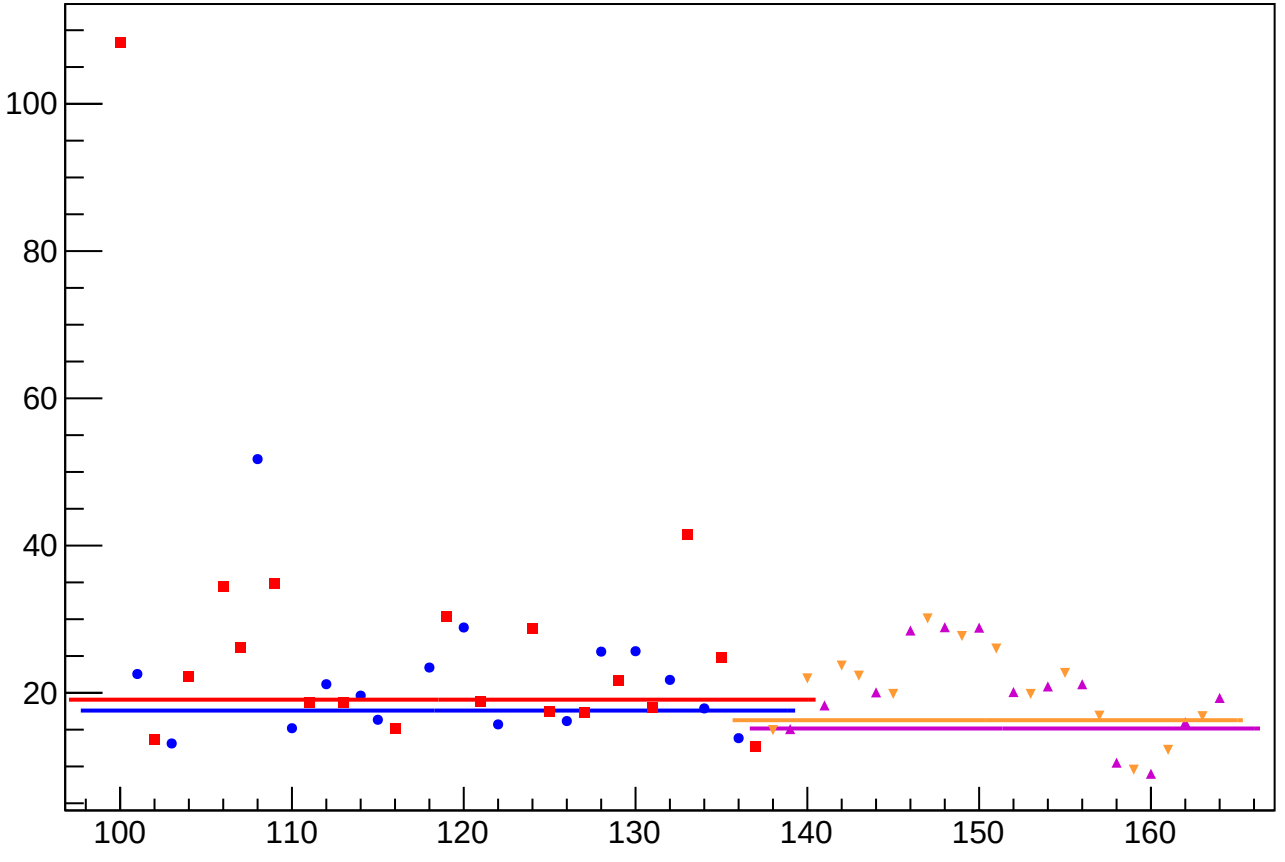
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.000+/-0.004 χ^2/NDF:25.9/28

Out: -0.003+/-0.004 χ^2/NDF:65.2/32

All: -0.002+/-0.003 χ^2/NDF: 91.3/61

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 16.283+/-0.004 χ^2/NDF:2341998.5/13

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.157+/-0.004 χ^2/NDF:2667565.4/12

Left: 15.697+/-0.003 χ^2/NDF: 5056049.1/26

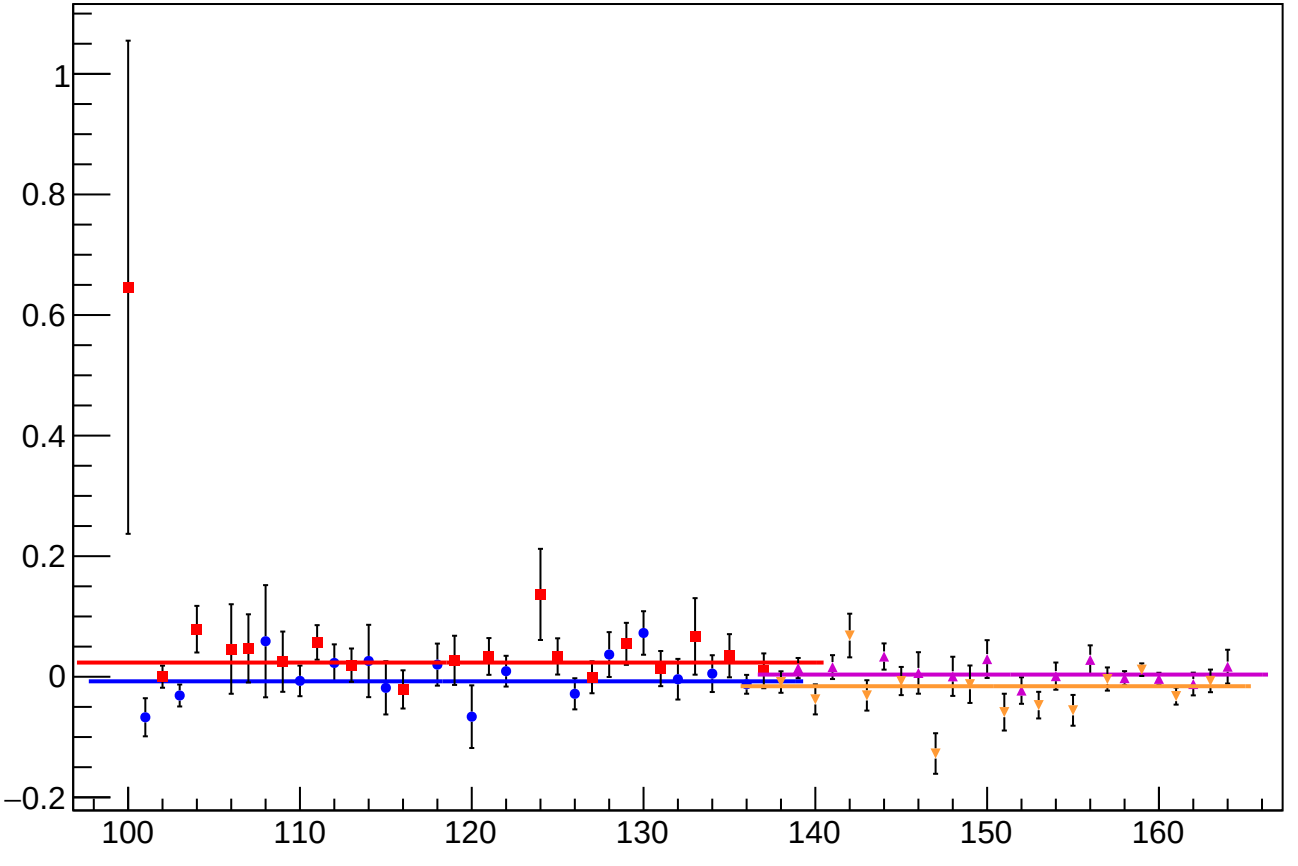
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.973+/-0.003 χ^2/NDF:3812834.7/28

Out: 17.180+/-0.003 χ^2/NDF:3766001.6/32

All: 16.545+/-0.002 χ^2/NDF: 7658294.5/61

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: -0.016+/-0.005 χ^2/NDF:33.1/13

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.004+/-0.005 χ^2/NDF:7.5/12

Left: -0.006+/-0.004 χ^2/NDF: 47.5/26

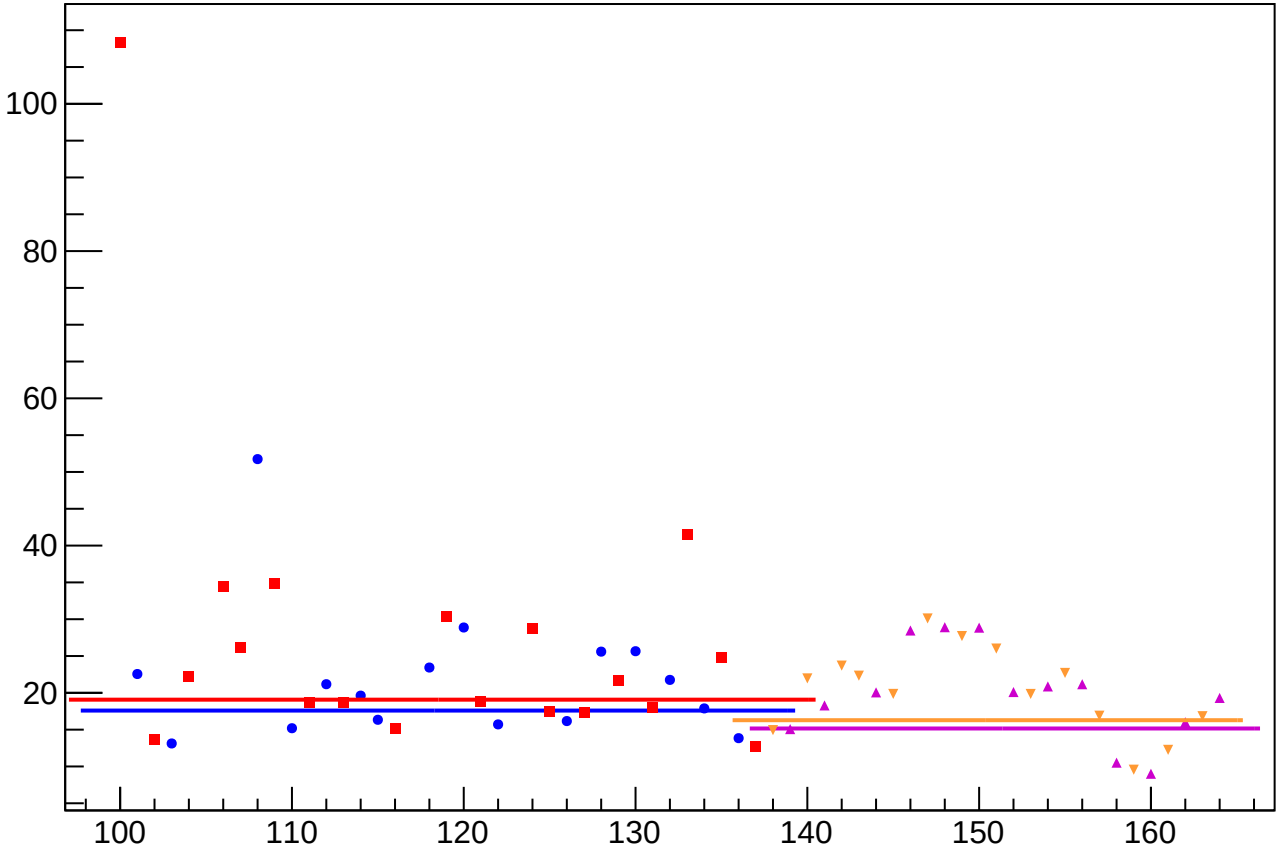
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.000+/-0.004 χ^2/NDF:25.9/28

Out: -0.003+/-0.004 χ^2/NDF:65.2/32

All: -0.002+/-0.003 χ^2/NDF: 91.3/61

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: 16.283+/-0.004 χ^2/NDF:2341998.5/13

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.157+/-0.004 χ^2/NDF:2667565.4/12

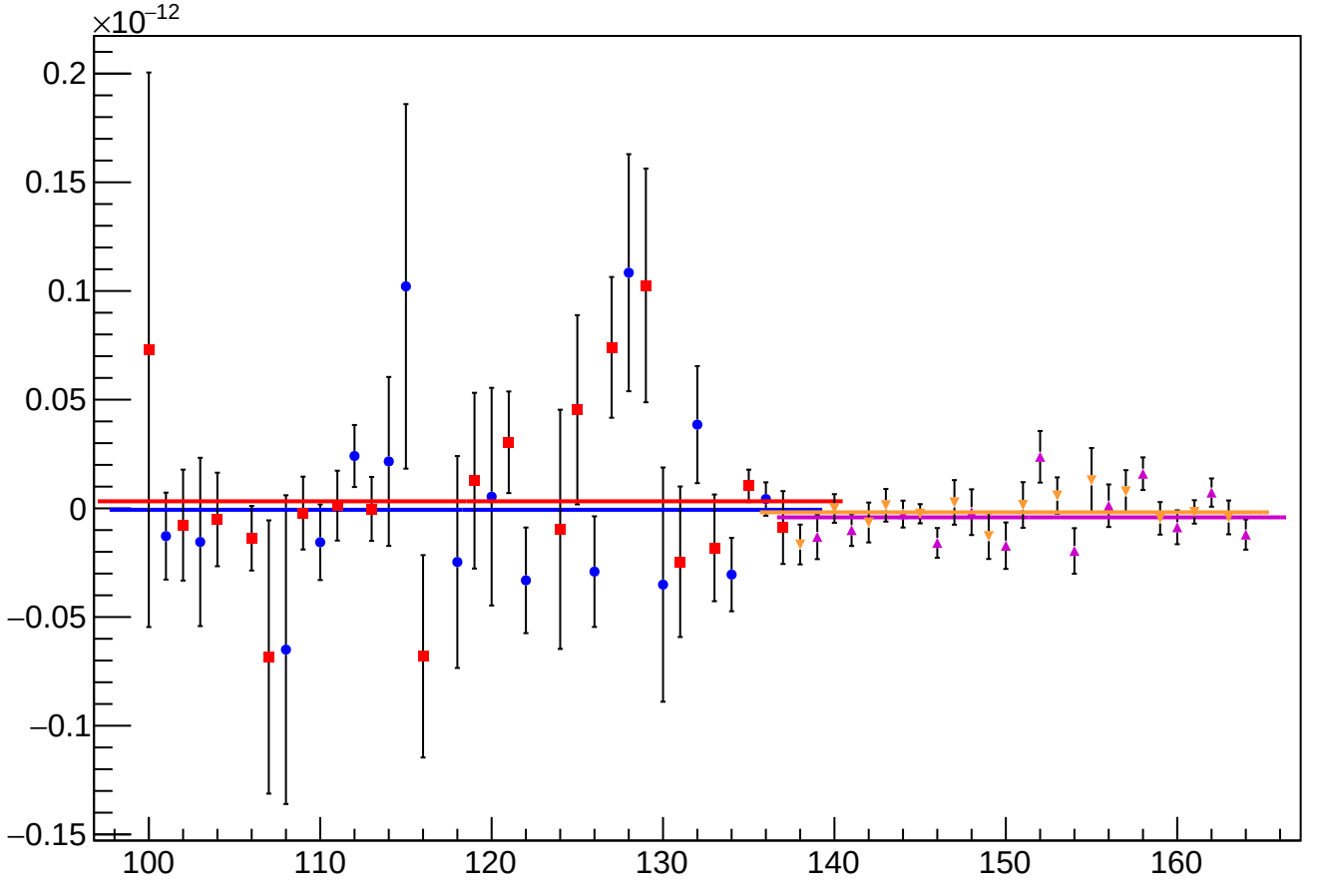
Left: 15.697+/-0.003 χ^2/NDF: 5056049.1/26

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.973+/-0.003 χ^2/NDF:3812834.7/28

Out: 17.180+/-0.003 χ^2/NDF:3766001.6/32

All: 16.545+/-0.002 χ^2/NDF: 7658294.5/61



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:25.8/12

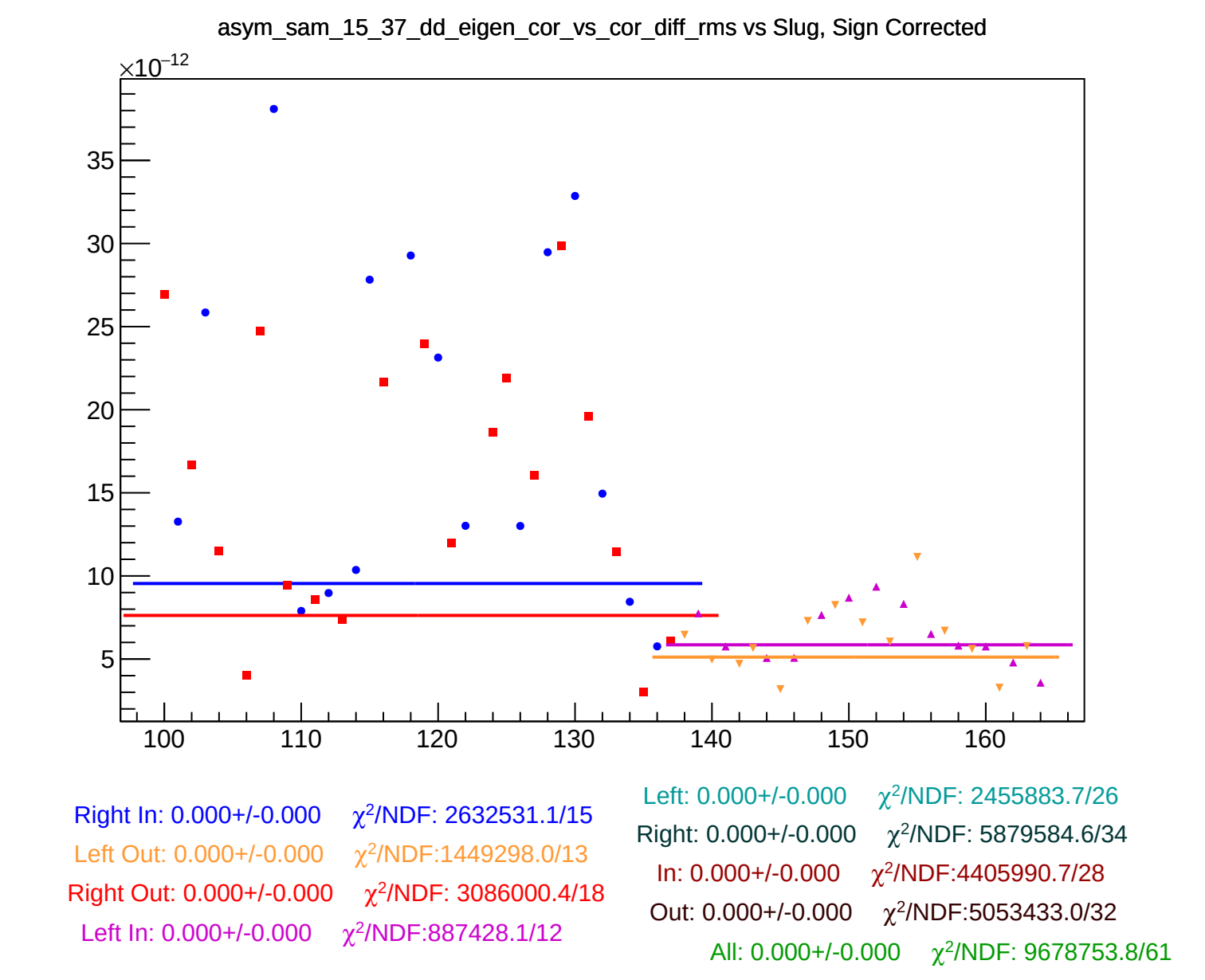
Left: -0.000+/-0.000 χ^2/NDF: 34.0/26

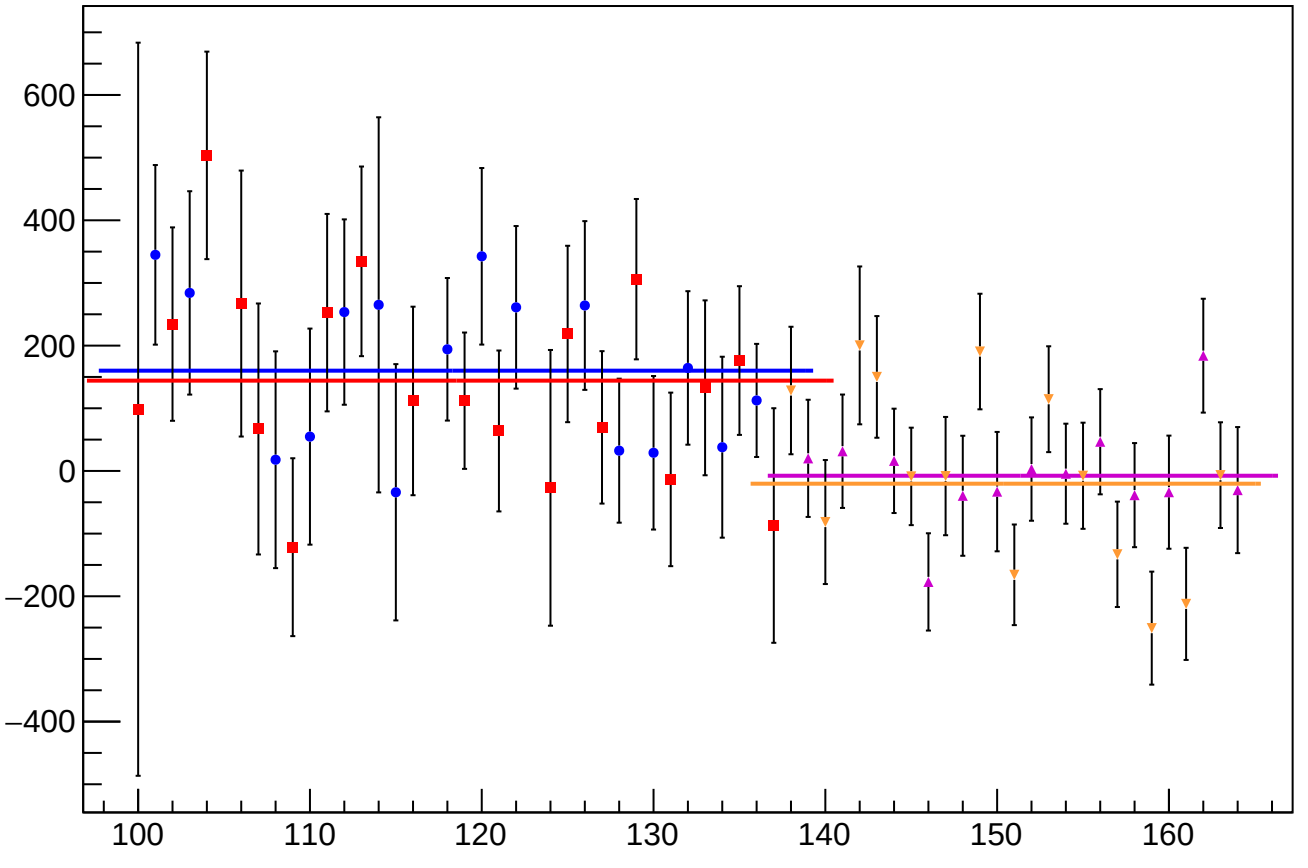
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:46.5/28

Out: -0.000+/-0.000 χ^2/NDF:27.8/32

All: -0.000+/-0.000 χ^2/NDF: 75.2/61


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1449298.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:887428.1/12
Left: 0.000+/-0.000 χ²/NDF: 2455883.7/26
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:4405990.7/28
Out: 0.000+/-0.000 χ²/NDF:5053433.0/32
All: 0.000+/-0.000 χ²/NDF: 9678753.8/61



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -20.361+/-24.060 χ^2/NDF:32.7/13

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -7.655+/-24.259 χ^2/NDF:10.5/12

Left: -14.060+/-17.083 χ^2/NDF: 43.3/26

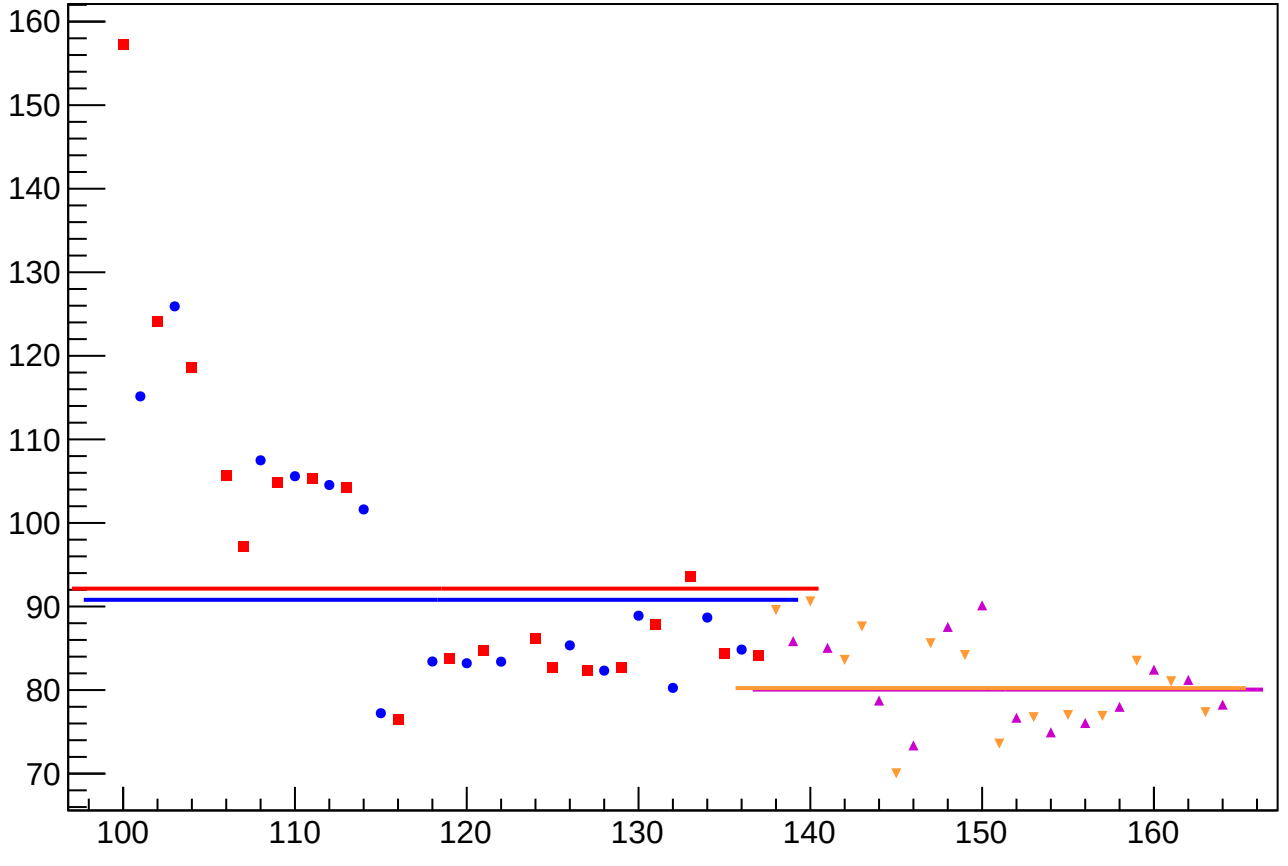
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 48.538+/-19.781 χ^2/NDF:37.5/28

Out: 34.063+/-19.681 χ^2/NDF:65.6/32

All: 41.264+/-13.952 χ^2/NDF: 103.4/61

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: 80.233+/-0.017 χ^2/NDF:124624.2/13

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 80.057+/-0.017 χ^2/NDF:83465.5/12

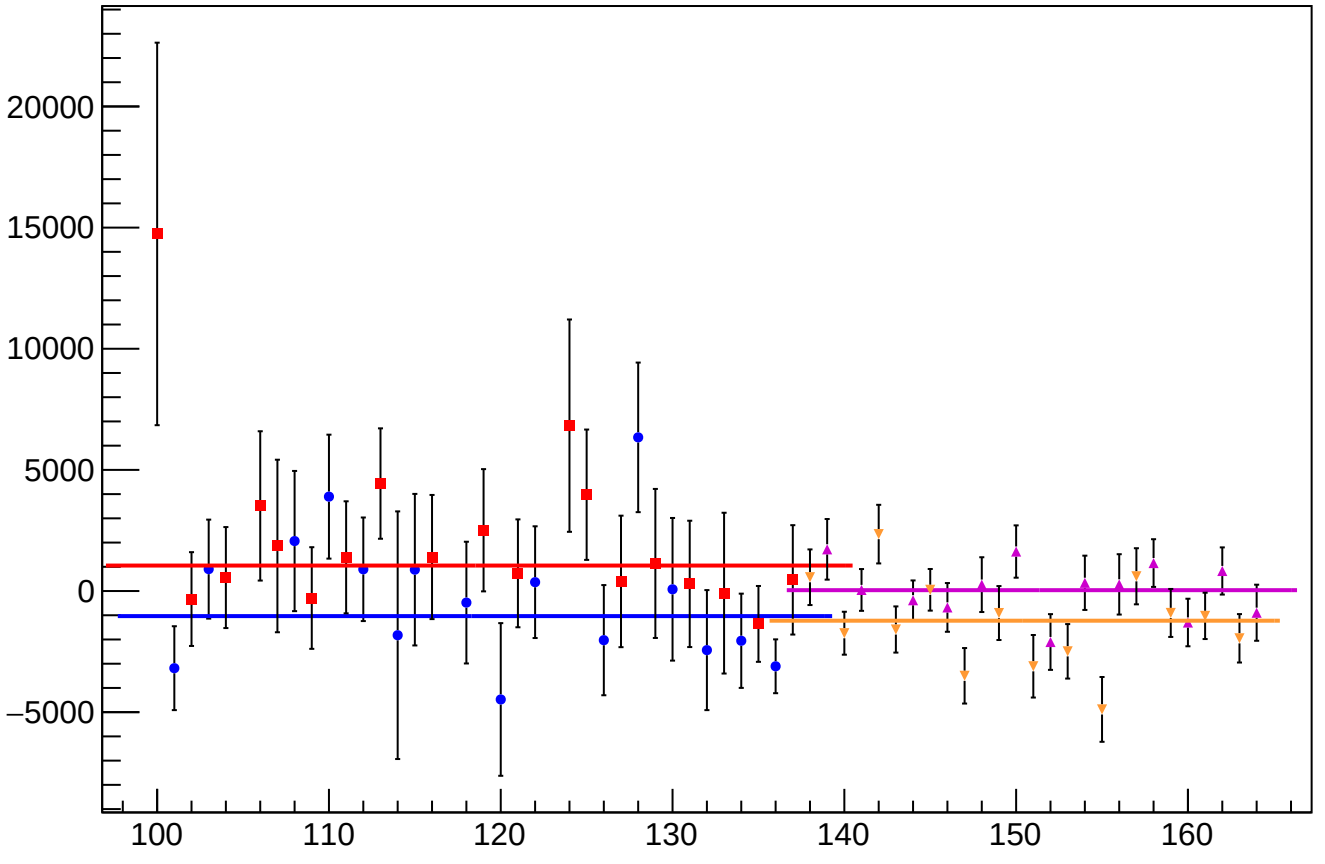
Left: 80.146+/-0.012 χ^2/NDF: 208142.5/26

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 83.658+/-0.014 χ^2/NDF:487706.1/28

Out: 84.173+/-0.014 χ^2/NDF:588782.1/32

All: 83.917+/-0.010 χ^2/NDF: 1077170.0/61



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1224.578+/-282.246 χ^2/NDF:31.9/13

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 35.357+/-286.526 χ^2/NDF:12.8/12

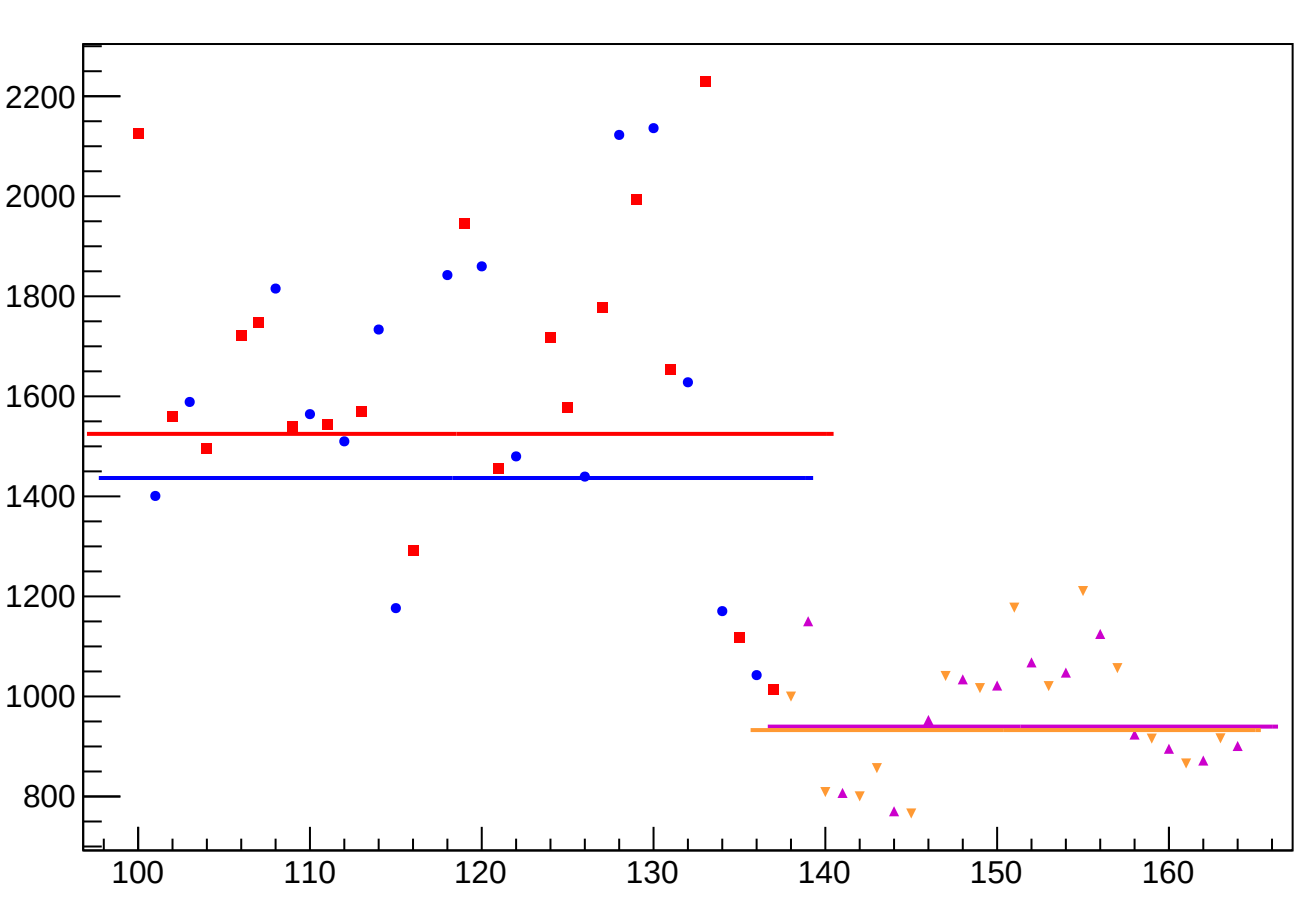
Left: -604.092+/-201.074 χ^2/NDF: 54.6/26

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -192.996+/-254.131 χ^2/NDF:36.0/28

Out: -775.043+/-252.842 χ^2/NDF:57.7/32

All: -485.500+/-179.240 χ^2/NDF: 96.4/61



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 932.759+/-0.200 χ^2/NDF:391470.7/13

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 939.705+/-0.203 χ^2/NDF:320051.4/12

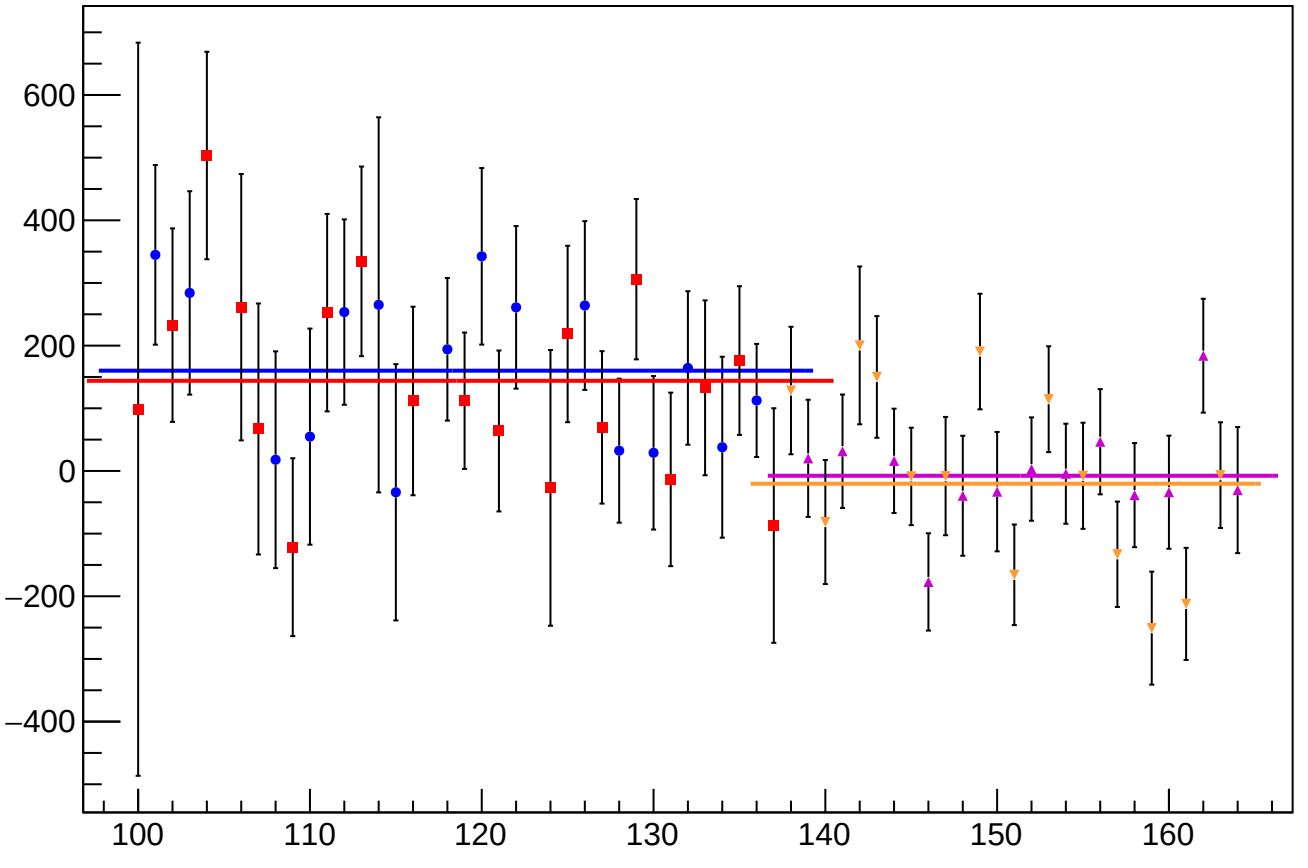
Left: 936.180+/-0.142 χ^2/NDF: 712118.7/26

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1045.739+/-0.180 χ^2/NDF:2279621.7/28

Out: 1049.719+/-0.179 χ^2/NDF:2634958.7/32

All: 1047.739+/-0.127 χ^2/NDF: 4914826.9/61



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -20.357+/-24.060 χ^2/NDF:32.7/13

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -7.656+/-24.259 χ^2/NDF:10.5/12

Left: -14.059+/-17.083 χ^2/NDF: 43.3/26

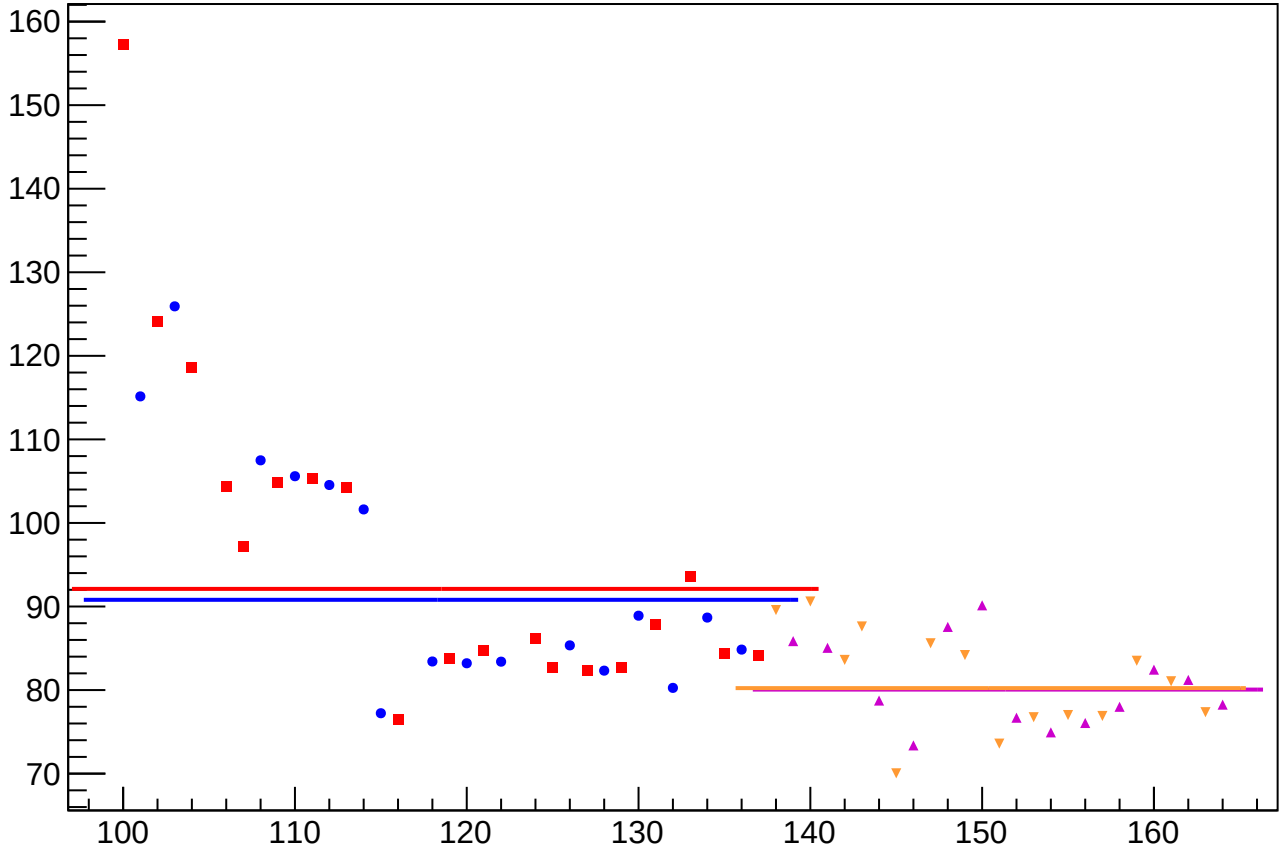
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 48.536+/-19.781 χ^2/NDF:37.5/28

Out: 33.977+/-19.681 χ^2/NDF:65.5/32

All: 41.219+/-13.952 χ^2/NDF: 103.3/61

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: 80.233+/-0.017 χ^2/NDF:124624.2/13

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.057+/-0.017 χ^2/NDF:83465.5/12

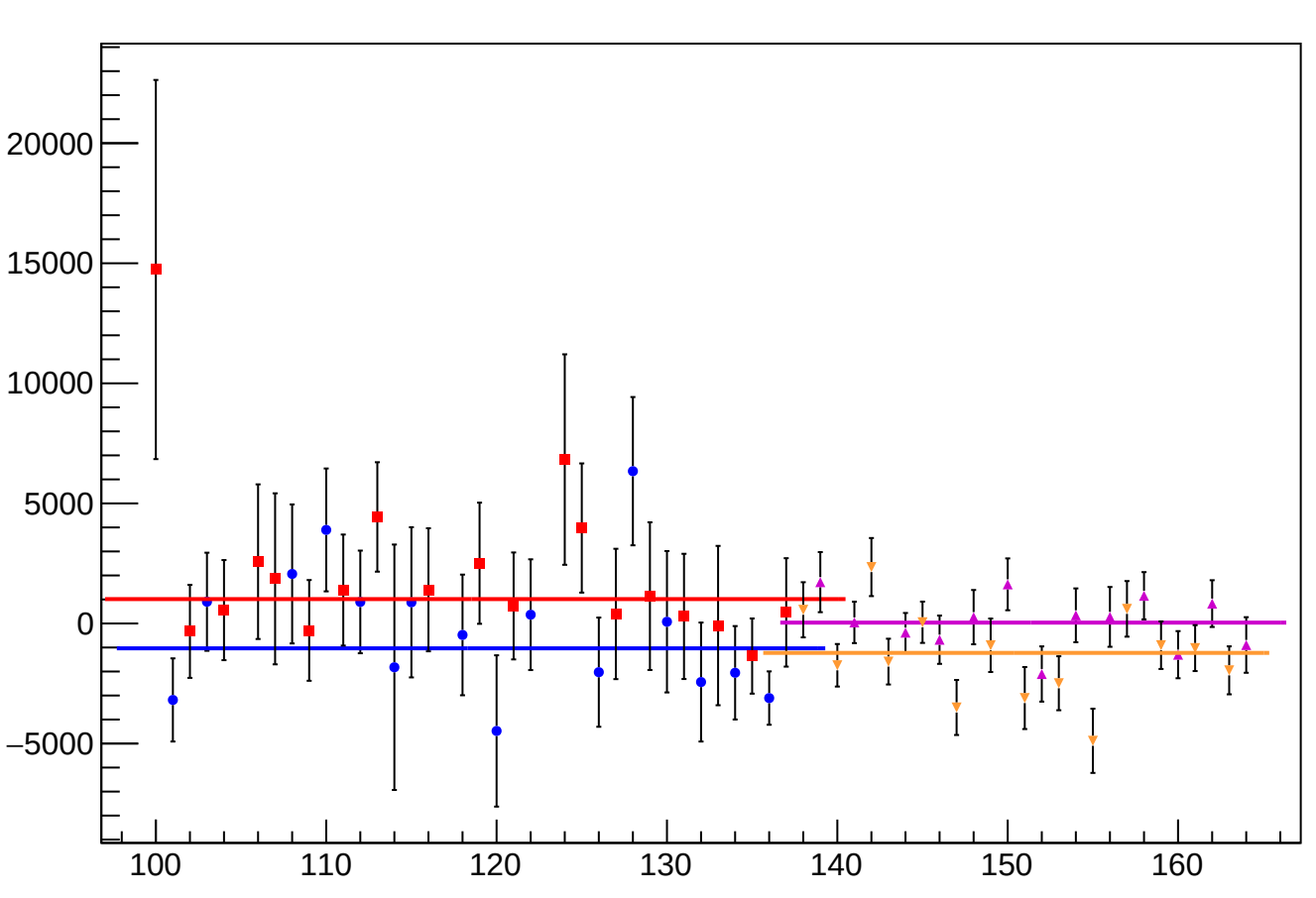
Left: 80.146+/-0.012 χ^2/NDF: 208142.5/26

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 83.658+/-0.014 χ^2/NDF:487708.1/28

Out: 84.162+/-0.014 χ^2/NDF:586604.7/32

All: 83.911+/-0.010 χ^2/NDF: 1074965.0/61



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1224.572+/-282.245 χ^2/NDF:31.9/13

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 35.357+/-286.526 χ^2/NDF:12.8/12

Left: -604.089+/-201.074 χ^2/NDF: 54.6/26

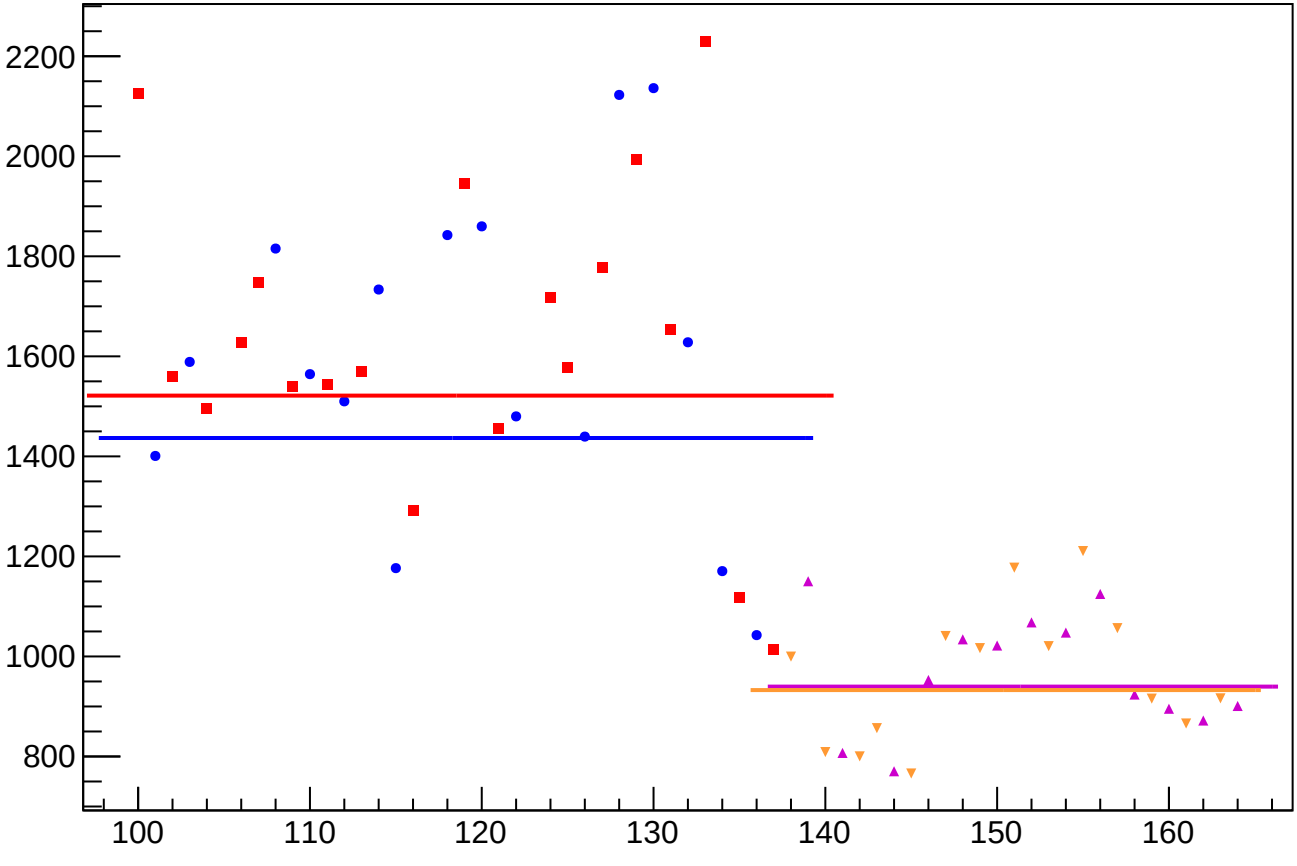
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -192.990+/-254.132 χ^2/NDF:36.0/28

Out: -783.218+/-252.915 χ^2/NDF:56.8/32

All: -489.520+/-179.267 χ^2/NDF: 95.6/61

asym_sam_24_68_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 932.759+/-0.200 χ^2/NDF:391471.7/13

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 939.705+/-0.203 χ^2/NDF:320051.6/12

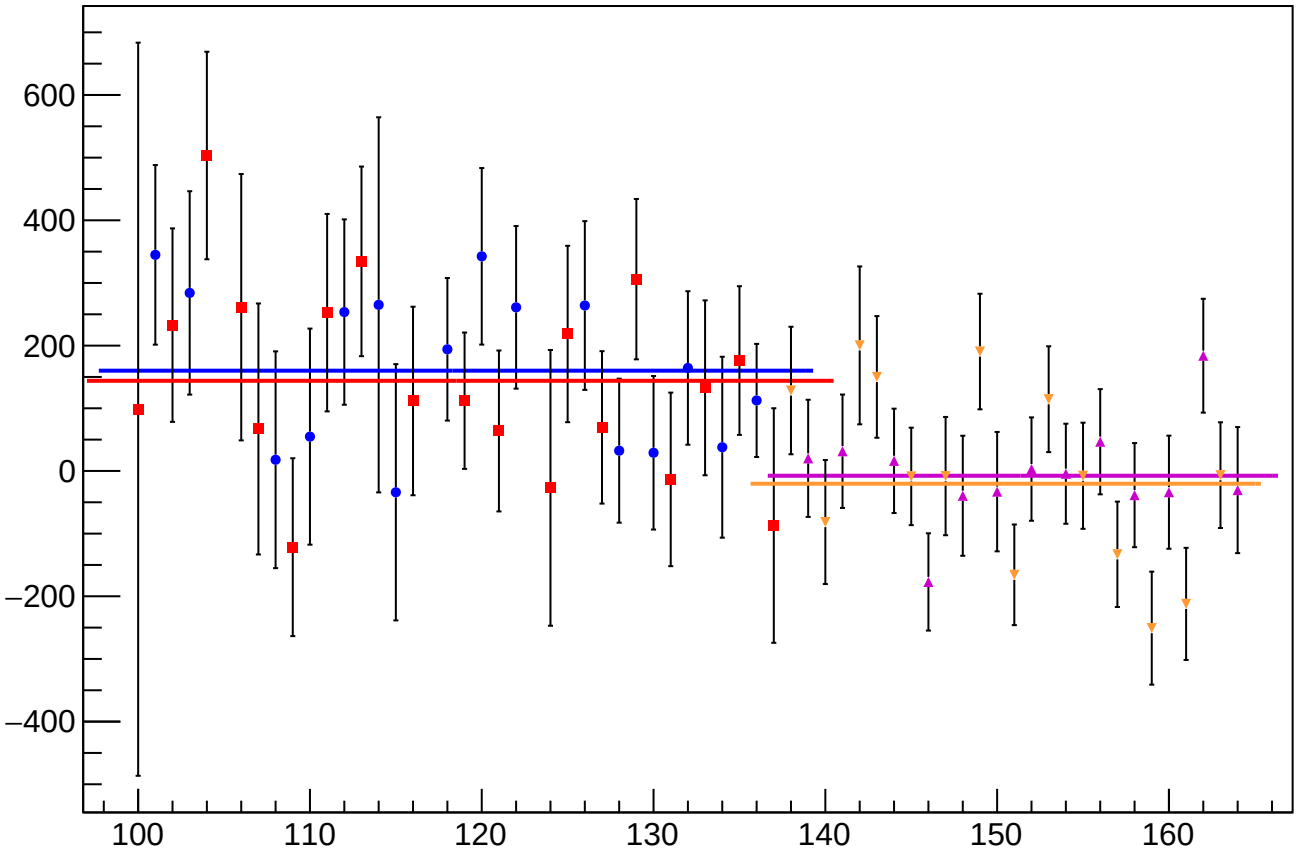
Left: 936.180+/-0.142 χ^2/NDF: 712120.0/26

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1045.740+/-0.180 χ^2/NDF:2279642.3/28

Out: 1048.761+/-0.179 χ^2/NDF:2604448.6/32

All: 1047.258+/-0.127 χ^2/NDF: 4884233.0/61



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -20.357+/-24.060 χ^2/NDF:32.7/13

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -7.656+/-24.259 χ^2/NDF:10.5/12

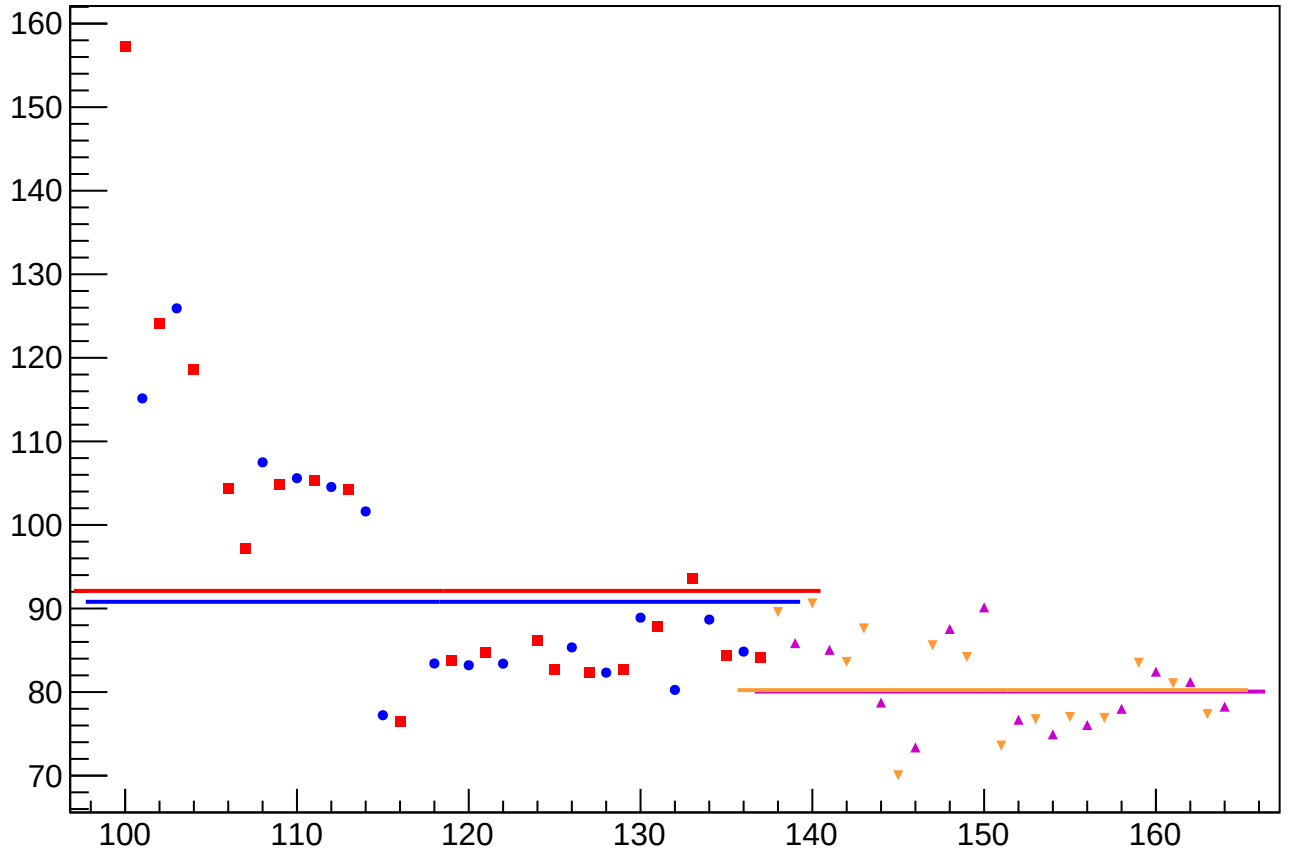
Left: -14.059+/-17.083 χ^2/NDF: 43.3/26

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 48.536+/-19.781 χ^2/NDF:37.5/28

Out: 33.977+/-19.681 χ^2/NDF:65.5/32

All: 41.219+/-13.952 χ^2/NDF: 103.3/61



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.233+/-0.017 χ^2/NDF:124624.2/13

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.057+/-0.017 χ^2/NDF:83465.5/12

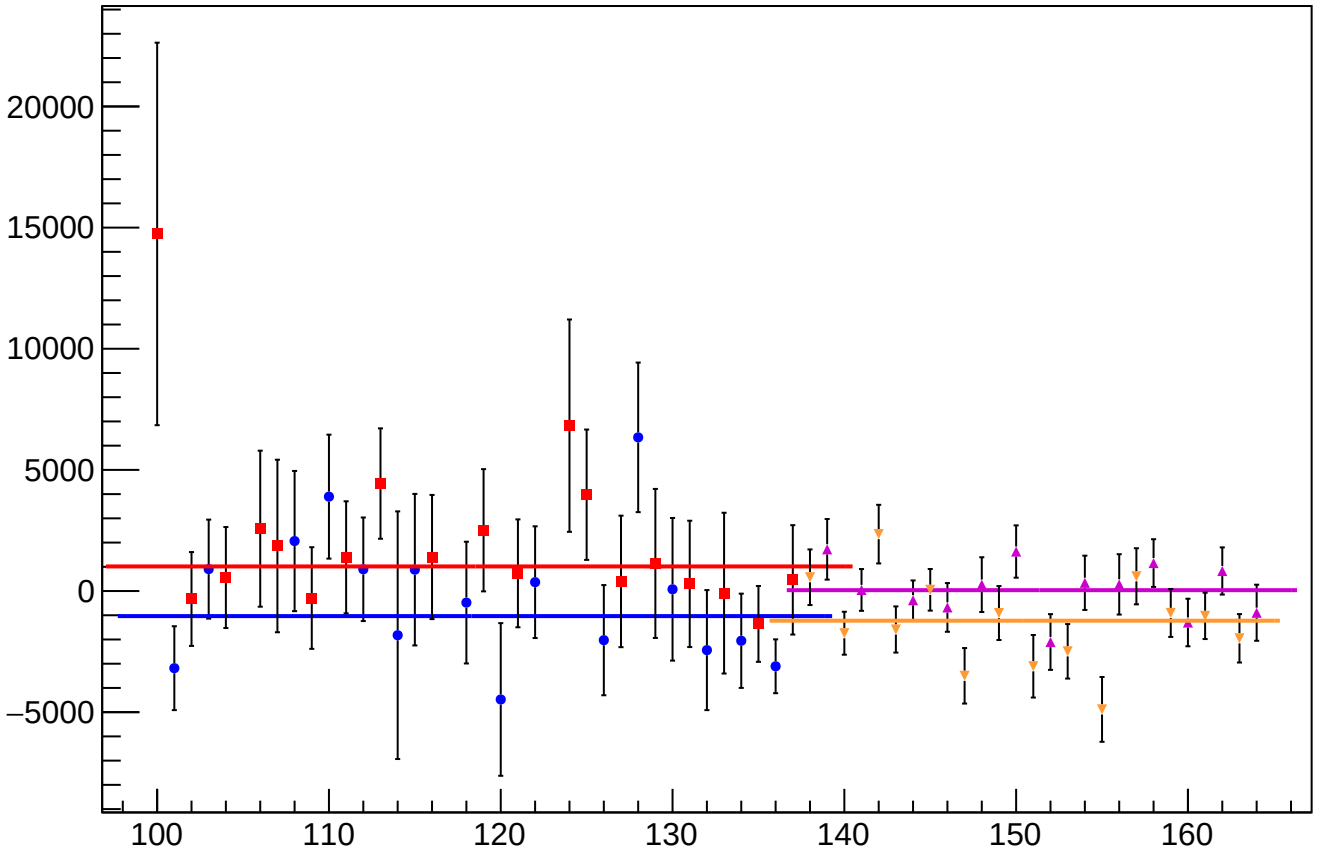
Left: 80.146+/-0.012 χ^2/NDF: 208142.5/26

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 83.658+/-0.014 χ^2/NDF:487708.1/28

Out: 84.162+/-0.014 χ^2/NDF:586604.7/32

All: 83.911+/-0.010 χ^2/NDF: 1074965.0/61



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1224.572+/-282.245 χ^2/NDF:31.9/13

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 35.357+/-286.526 χ^2/NDF:12.8/12

Left: -604.089+/-201.074 χ^2/NDF: 54.6/26

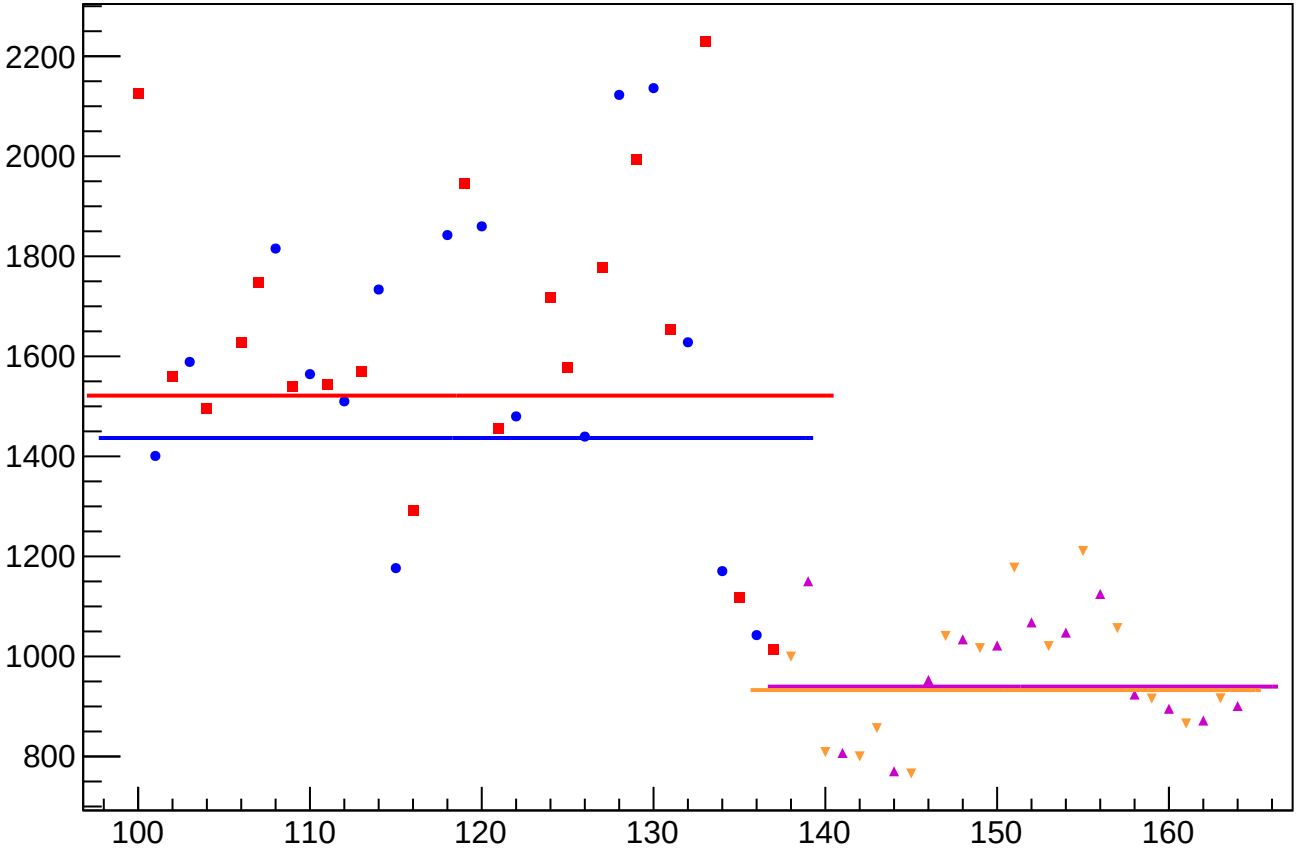
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -192.990+/-254.132 χ^2/NDF:36.0/28

Out: -783.218+/-252.915 χ^2/NDF:56.8/32

All: -489.520+/-179.267 χ^2/NDF: 95.6/61

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 932.759+/-0.200 χ^2/NDF:391471.7/13

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 939.705+/-0.203 χ^2/NDF:320051.6/12

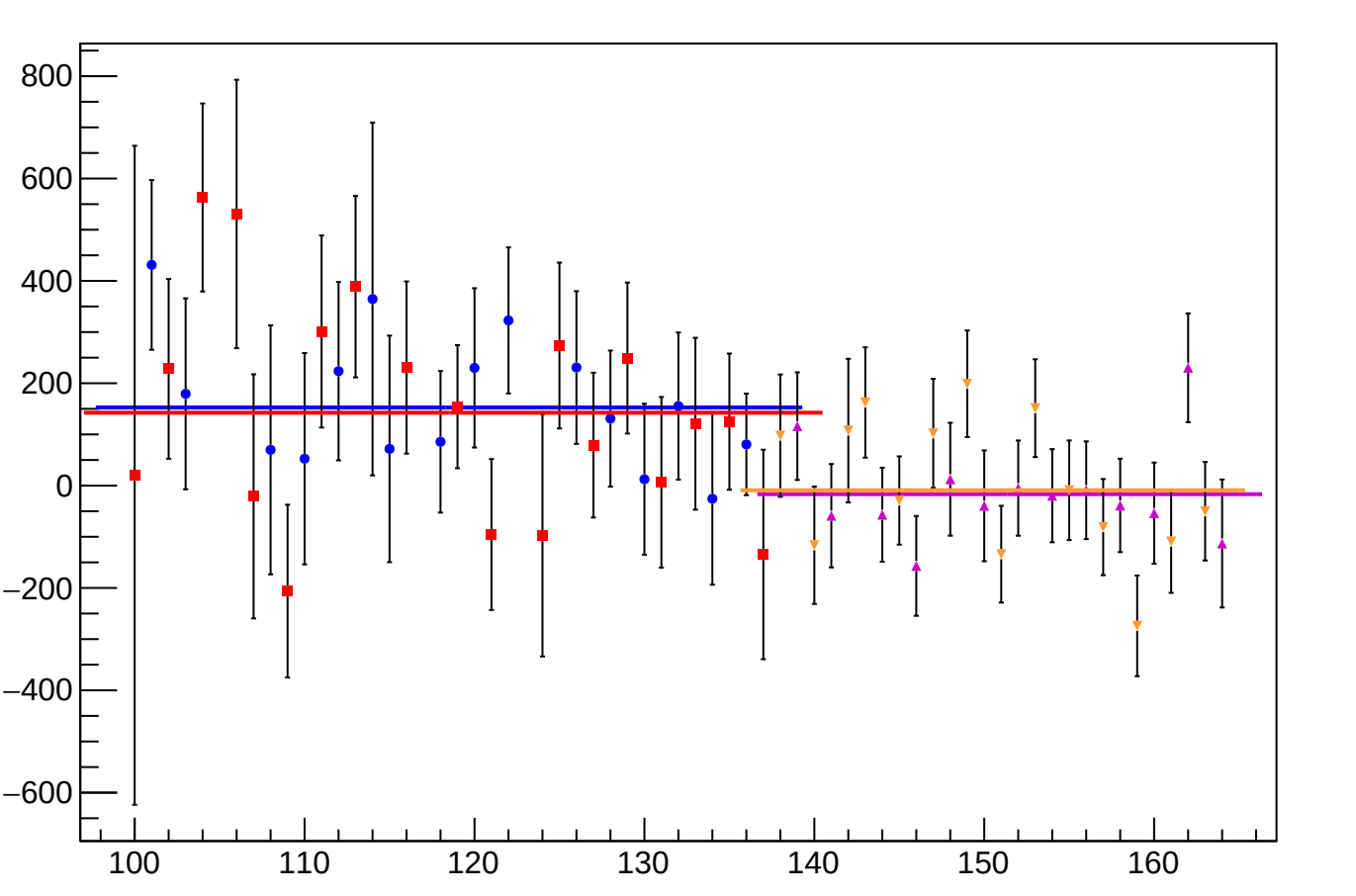
Left: 936.180+/-0.142 χ^2/NDF: 712120.0/26

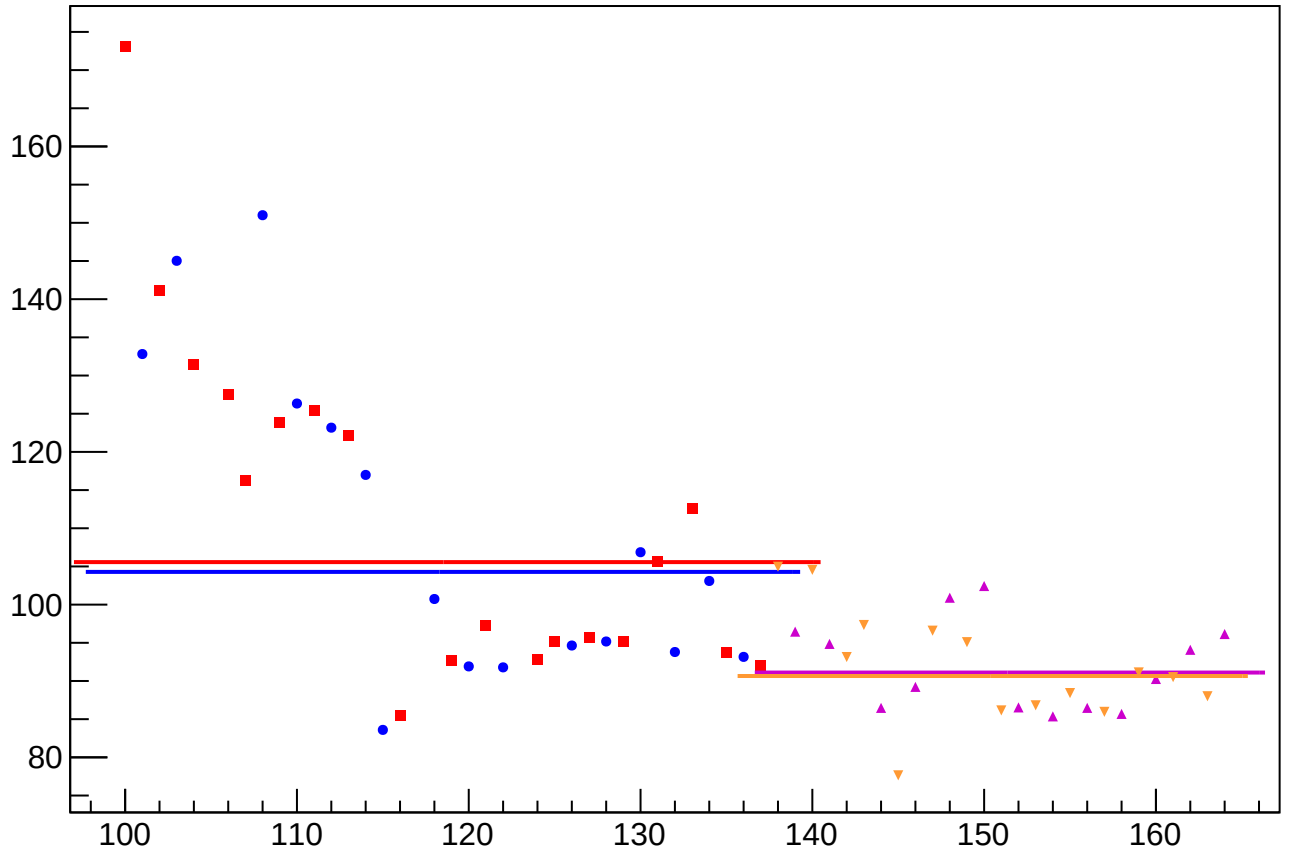
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1045.740+/-0.180 χ^2/NDF:2279642.3/28

Out: 1048.761+/-0.179 χ^2/NDF:2604448.6/32

All: 1047.258+/-0.127 χ^2/NDF: 4884233.0/61


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: -9.119+/-27.232 χ²/NDF:23.6/13
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: -16.769+/-27.726 χ²/NDF:10.4/12
Left: -12.875+/-19.428 χ²/NDF: 34.0/26
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 39.245+/-22.683 χ²/NDF:31.3/28
Out: 39.995+/-22.391 χ²/NDF:56.6/32
All: 39.625+/-15.935 χ²/NDF: 87.9/61



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.652+/-0.019 χ^2/NDF:137062.3/13

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 91.105+/-0.020 χ^2/NDF:80940.5/12

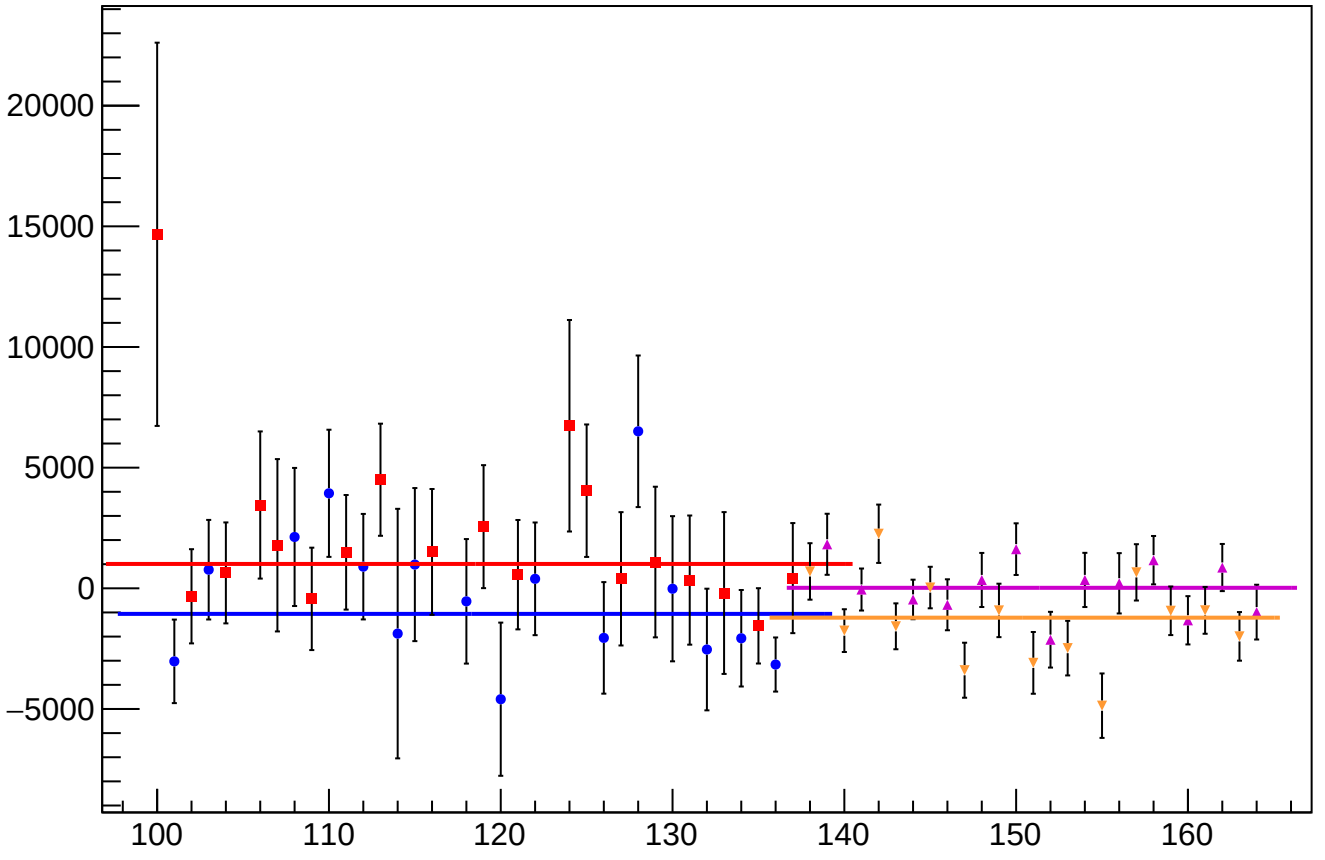
Left: 90.875+/-0.014 χ^2/NDF: 218273.9/26

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 95.464+/-0.016 χ^2/NDF:608726.0/28

Out: 95.484+/-0.016 χ^2/NDF:676038.0/32

All: 95.474+/-0.011 χ^2/NDF: 1284764.8/61



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1216.473+/-283.373 χ^2/NDF:31.5/13

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 21.127+/-288.687 χ^2/NDF:13.4/12

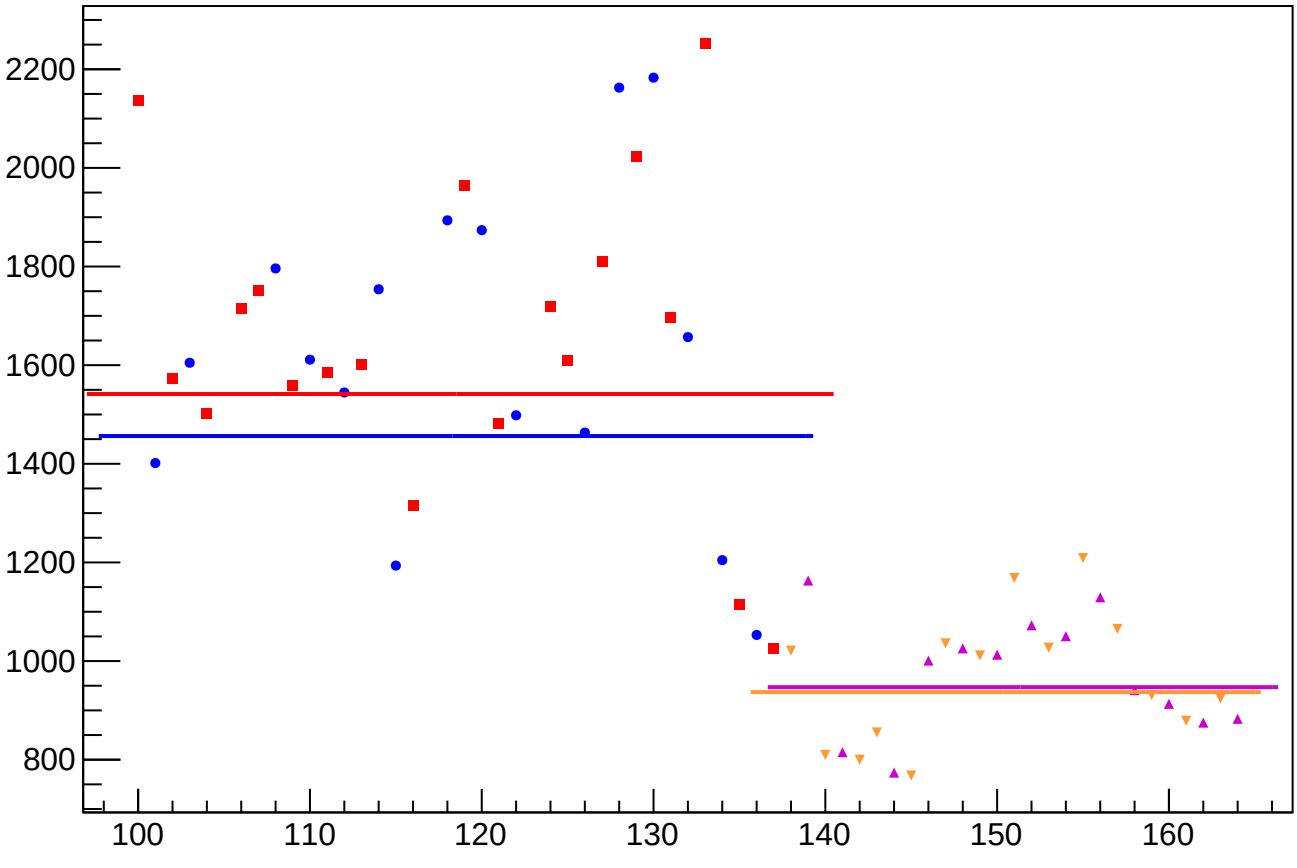
Left: -609.170+/-202.228 χ^2/NDF: 54.2/26

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -207.243+/-256.370 χ^2/NDF:36.4/28

Out: -781.531+/-254.191 χ^2/NDF:56.9/32

All: -496.838+/-180.506 χ^2/NDF: 95.8/61



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 937.114+/-0.200 χ^2/NDF:386454.9/13

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 947.063+/-0.204 χ^2/NDF:318909.3/12

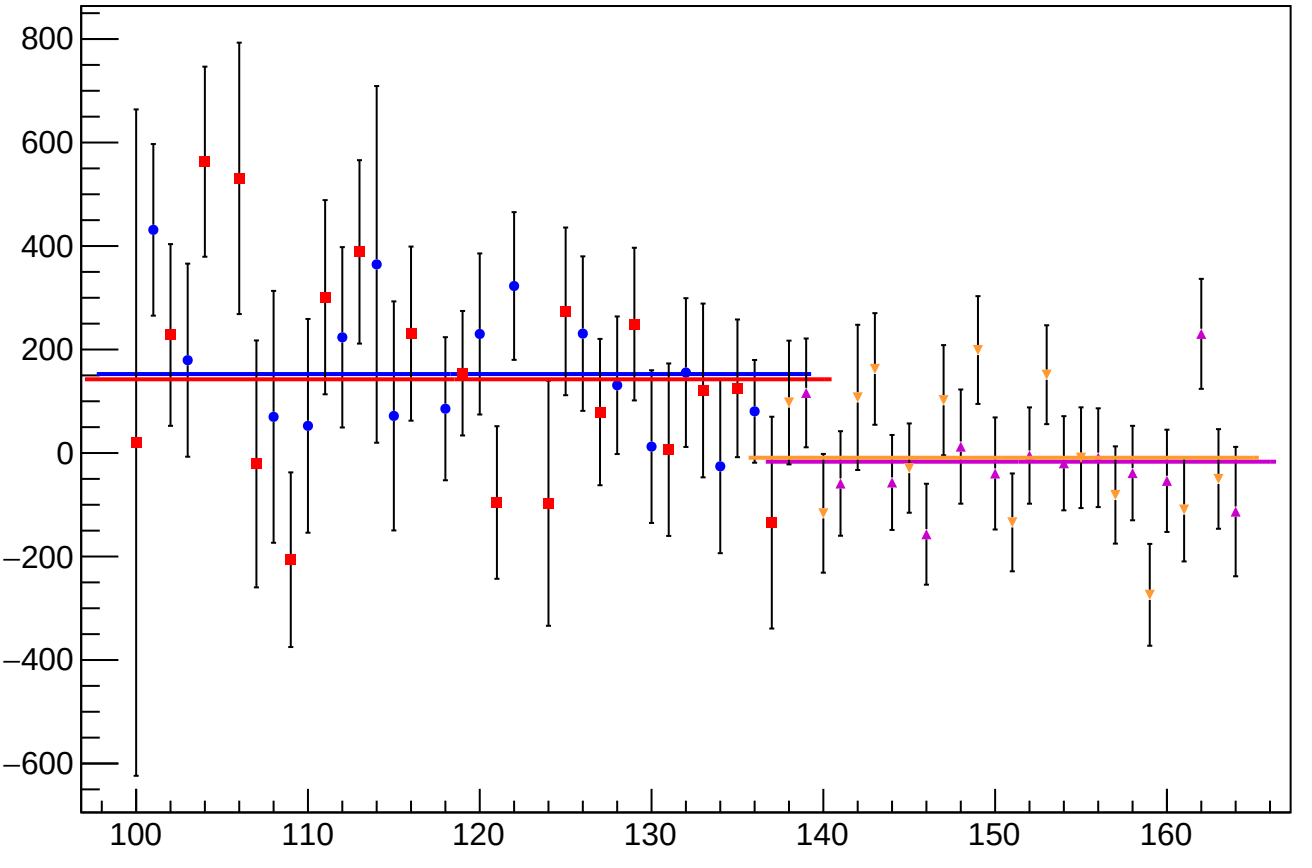
Left: 941.996+/-0.143 χ^2/NDF: 706574.0/26

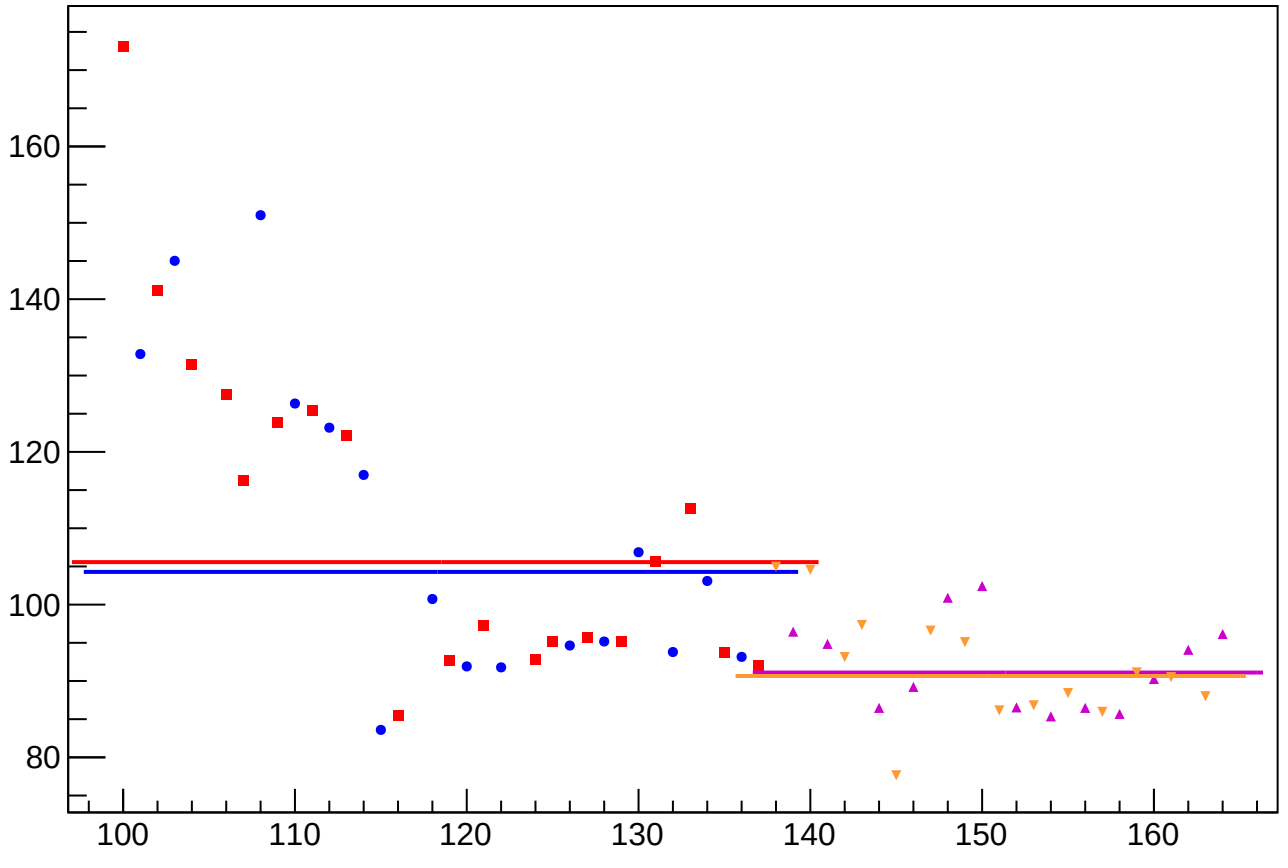
Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1054.695+/-0.181 χ^2/NDF:2319061.5/28

Out: 1055.190+/-0.180 χ^2/NDF:2683282.6/32

All: 1054.945+/-0.128 χ^2/NDF: 5002347.9/61


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
Right In: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: -9.118+/-27.232 χ²/NDF:23.6/13
Right Out: 142.494+/-39.340 χ²/NDF: 22.9/18
Left In: -16.770+/-27.726 χ²/NDF:10.4/12
Left: -12.875+/-19.428 χ²/NDF: 34.0/26
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 39.246+/-22.683 χ²/NDF:31.3/28
Out: 39.996+/-22.391 χ²/NDF:56.6/32
All: 39.625+/-15.935 χ²/NDF: 87.9/61



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.653+/-0.019 χ^2/NDF:137057.7/13

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 91.105+/-0.020 χ^2/NDF:80939.5/12

Left: 90.875+/-0.014 χ^2/NDF: 218268.2/26

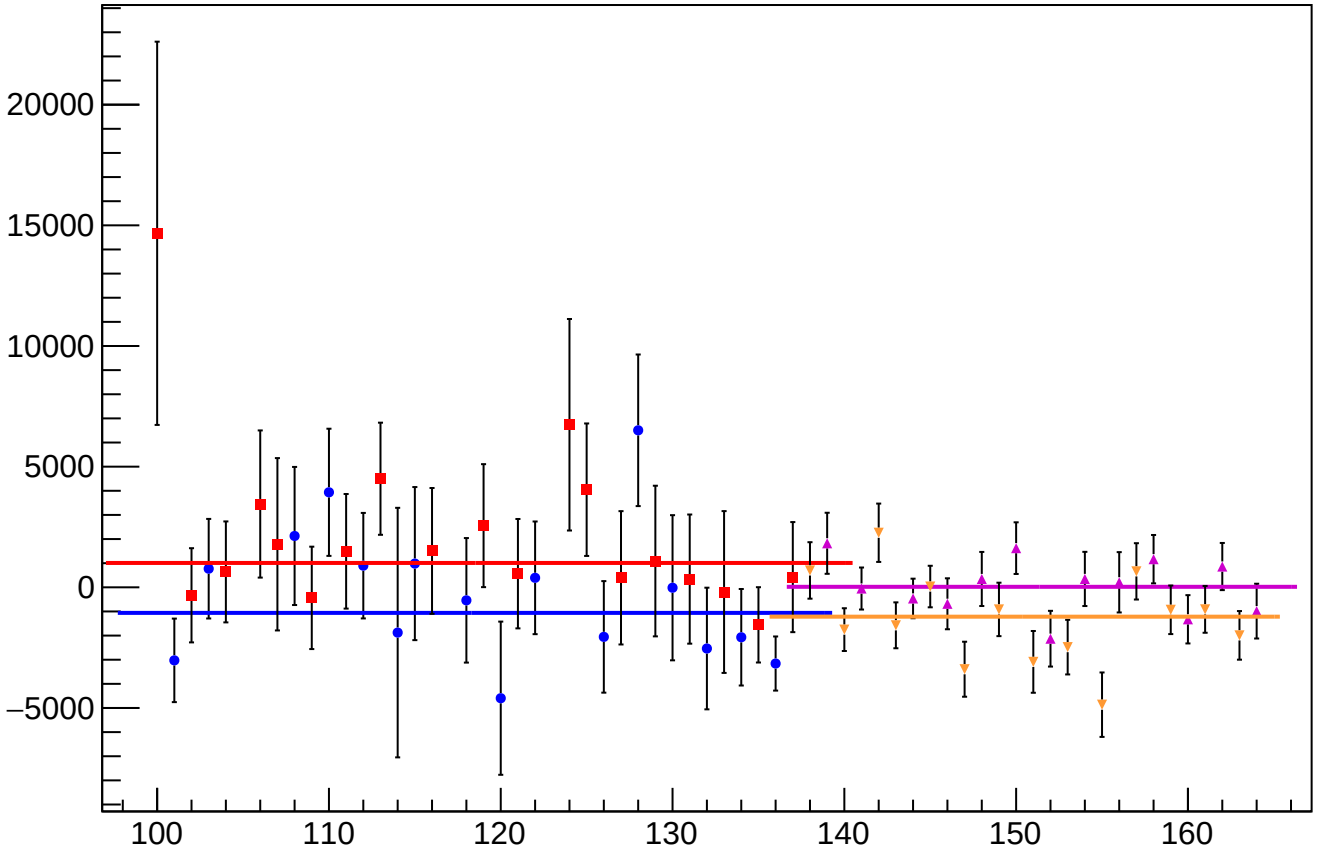
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 95.463+/-0.016 χ^2/NDF:608705.6/28

Out: 95.484+/-0.016 χ^2/NDF:676011.4/32

All: 95.474+/-0.011 χ^2/NDF: 1284717.9/61

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1216.471+/-283.373 χ^2/NDF:31.5/13

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 21.126+/-288.687 χ^2/NDF:13.4/12

Left: -609.169+/-202.228 χ^2/NDF: 54.2/26

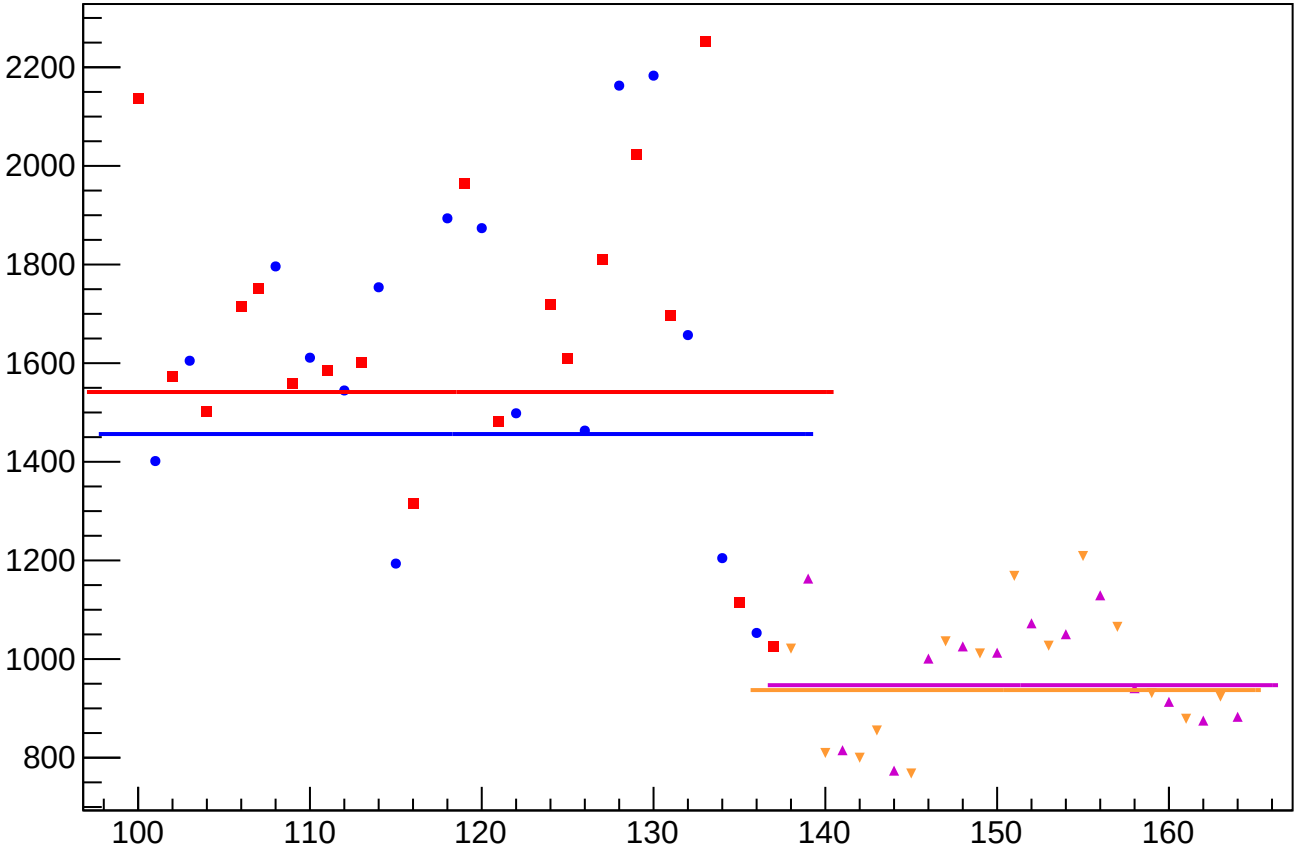
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -207.243+/-256.370 χ^2/NDF:36.4/28

Out: -781.529+/-254.190 χ^2/NDF:56.9/32

All: -496.838+/-180.505 χ^2/NDF: 95.8/61

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 937.113+/-0.200 χ^2/NDF:386458.0/13

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 947.062+/-0.204 χ^2/NDF:318910.3/12

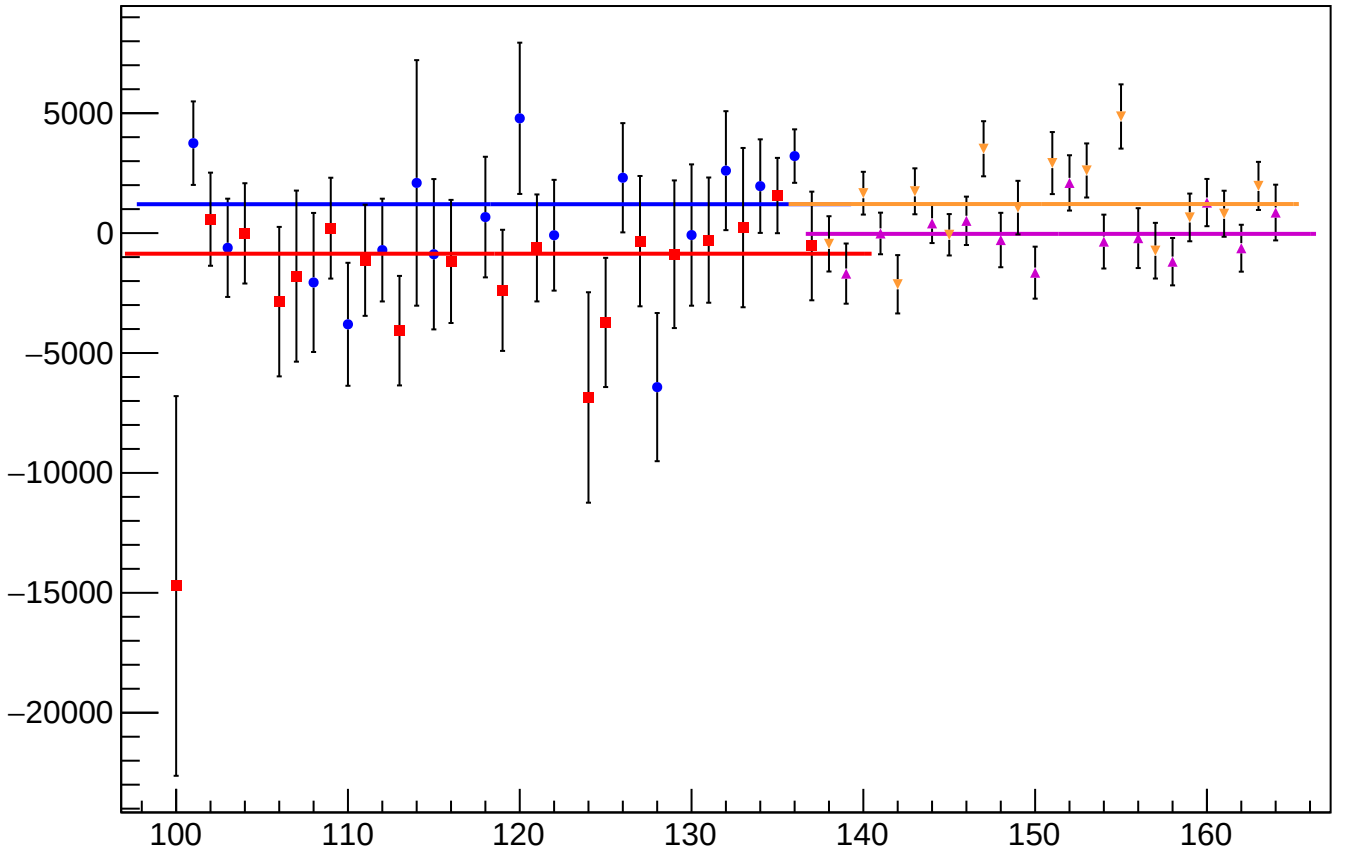
Left: 941.995+/-0.143 χ^2/NDF: 706578.2/26

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1054.694+/-0.181 χ^2/NDF:2319054.8/28

Out: 1055.189+/-0.180 χ^2/NDF:2683280.1/32

All: 1054.944+/-0.128 χ^2/NDF: 5002338.7/61



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1211.939+/-283.413 χ^2/NDF:31.0/13

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -32.201+/-287.658 χ^2/NDF:12.2/12

Left: 599.117+/-201.887 χ^2/NDF: 52.7/26

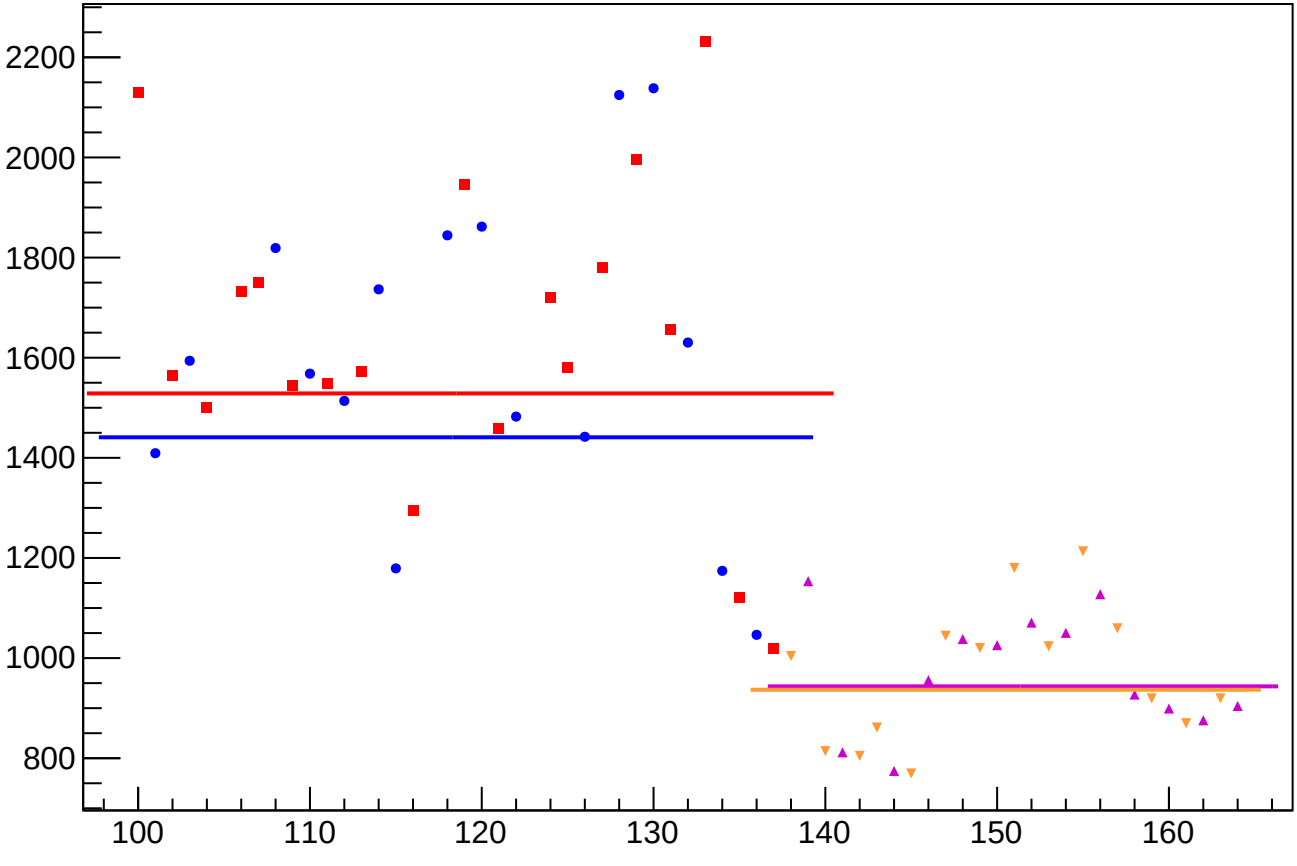
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 232.164+/-255.071 χ^2/NDF:37.3/28

Out: 801.834+/-253.809 χ^2/NDF:54.1/32

All: 518.412+/-179.915 χ^2/NDF: 93.9/61

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 936.796+/-0.200 χ^2/NDF:385443.7/13

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 943.555+/-0.203 χ^2/NDF:315036.8/12

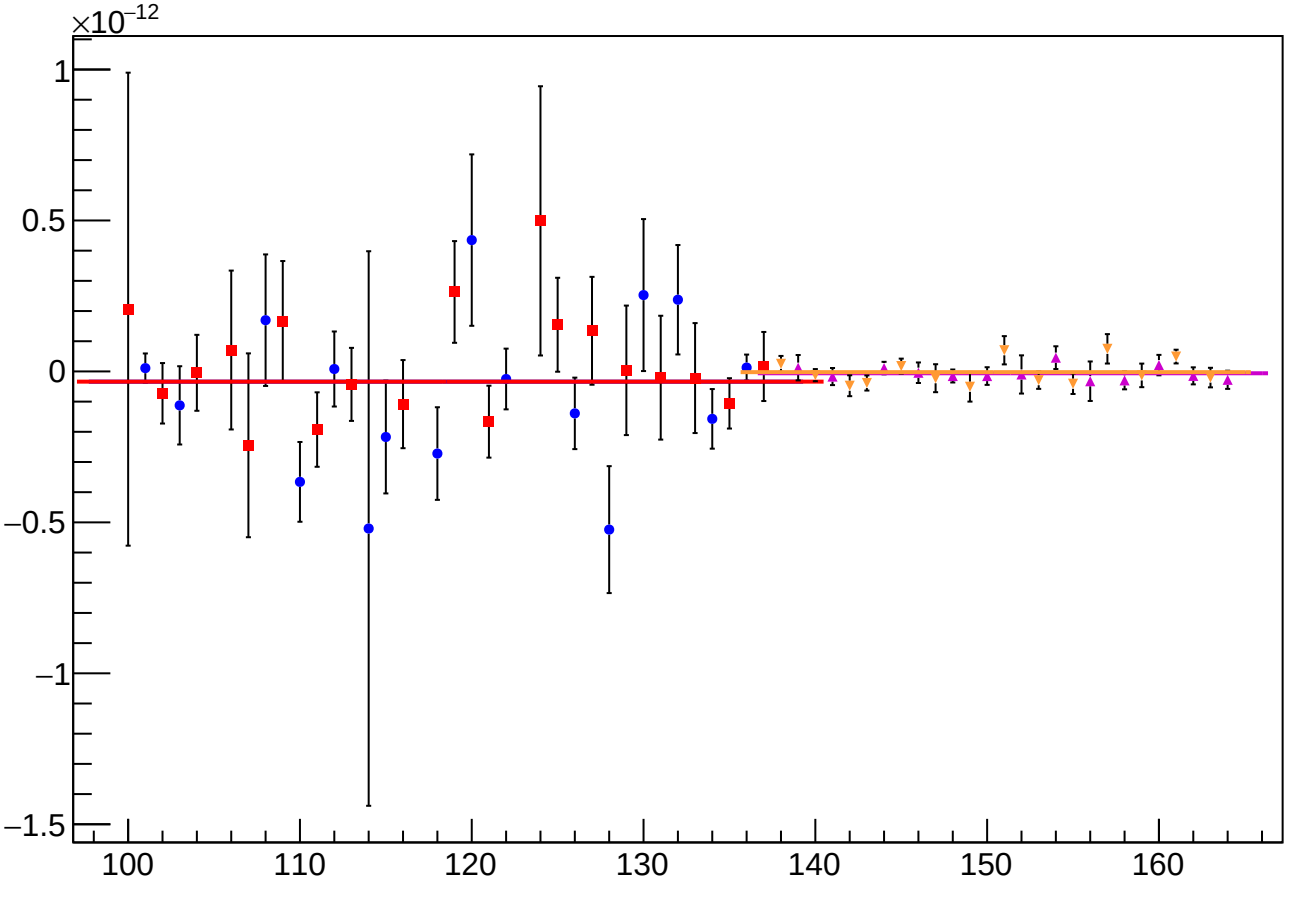
Left: 940.125+/-0.143 χ^2/NDF: 701040.7/26

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1049.880+/-0.180 χ^2/NDF:2264158.4/28

Out: 1053.984+/-0.179 χ^2/NDF:2614149.6/32

All: 1051.943+/-0.127 χ^2/NDF: 4878568.1/61



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.2/12

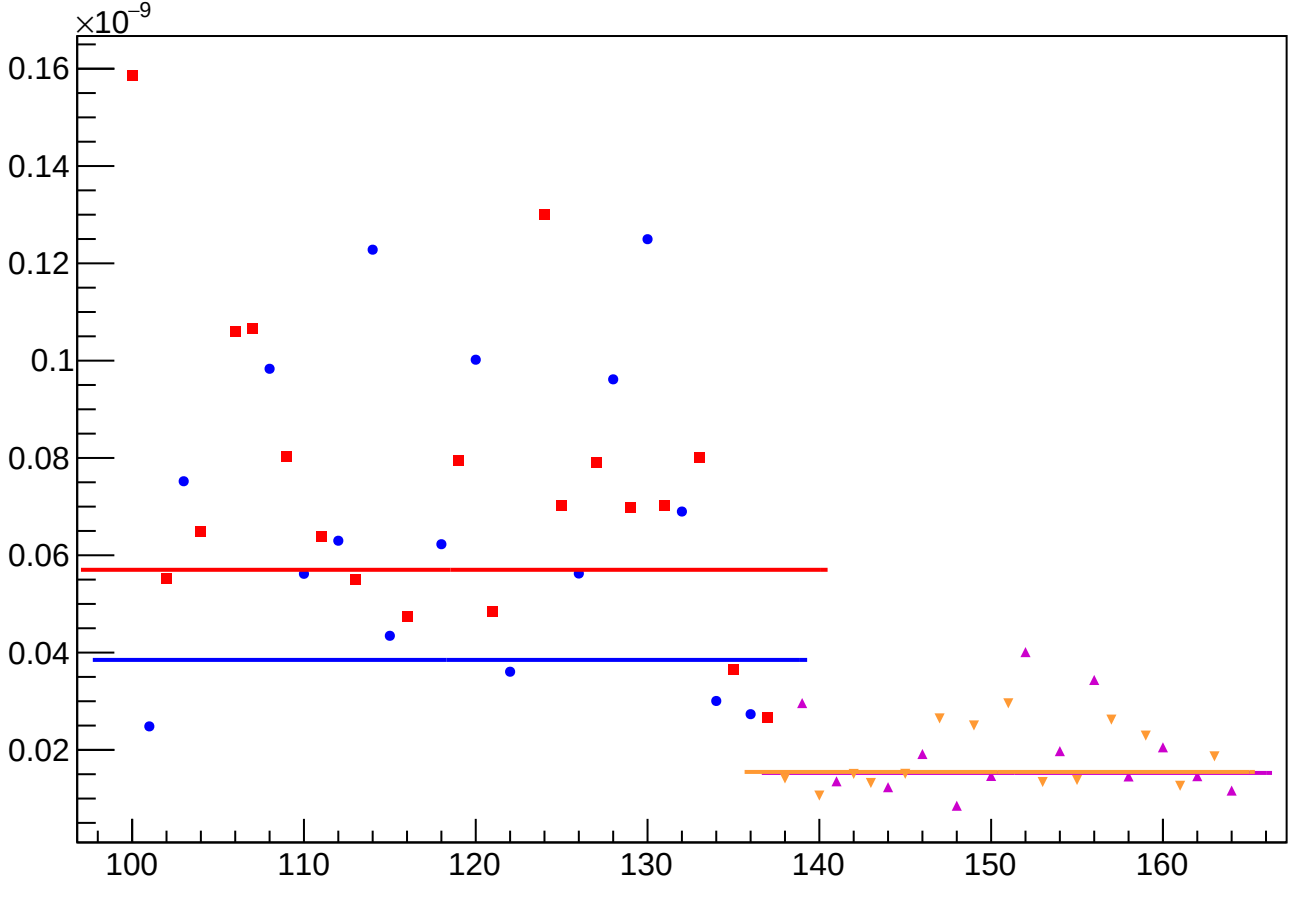
Left: -0.000+/-0.000 χ^2/NDF: 24.8/26

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:33.7/28

Out: -0.000+/-0.000 χ^2/NDF:33.3/32

All: -0.000+/-0.000 χ^2/NDF: 67.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:744992.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1091492.6/12

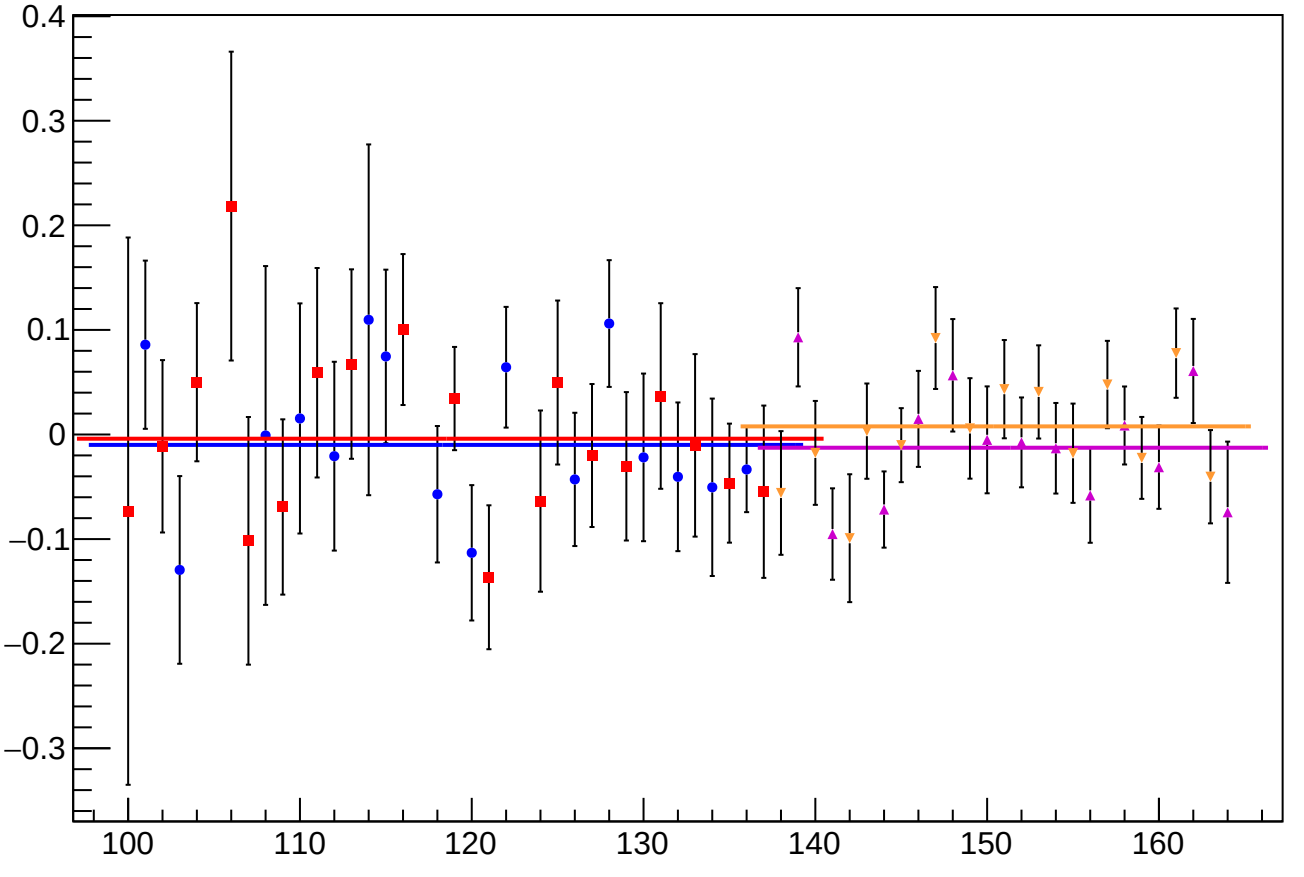
Left: 0.000+/-0.000 χ^2/NDF: 1837103.1/26

Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:4016721.5/28

Out: 0.000+/-0.000 χ^2/NDF:4265058.8/32

All: 0.000+/-0.000 χ^2/NDF: 8281827.8/61



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.008+/-0.012 χ^2/NDF:14.5/13

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.012 χ^2/NDF:17.9/12

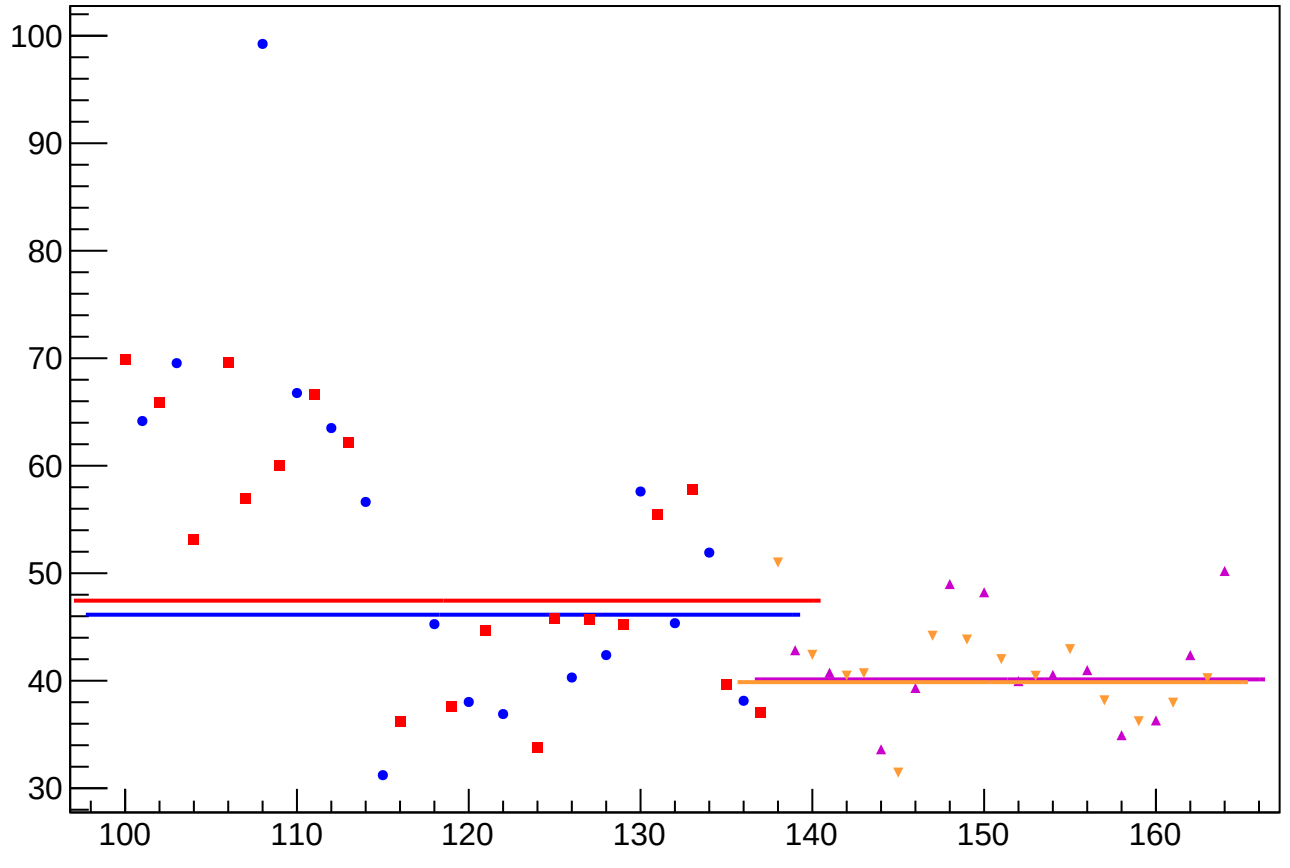
Left: -0.002+/-0.009 χ^2/NDF: 33.8/26

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.010 χ^2/NDF:32.1/28

Out: 0.004+/-0.010 χ^2/NDF:28.7/32

All: -0.004+/-0.007 χ^2/NDF: 62.0/61



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.868+/-0.009 χ^2/NDF:257044.4/13

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.125+/-0.009 χ^2/NDF:282765.5/12

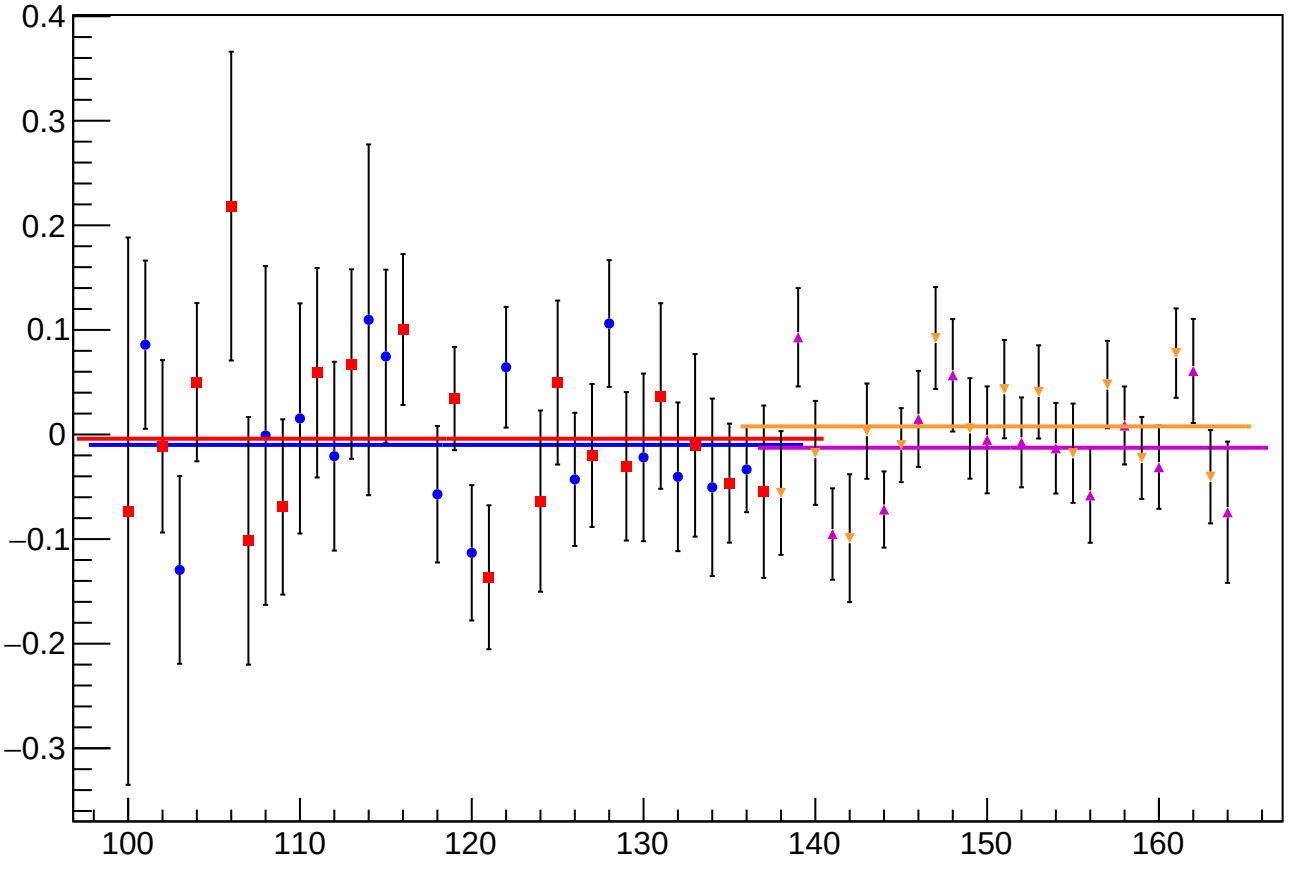
Left: 39.994+/-0.006 χ^2/NDF: 540244.7/26

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.069+/-0.007 χ^2/NDF:1337406.2/28

Out: 42.225+/-0.007 χ^2/NDF:1153730.5/32

All: 42.148+/-0.005 χ^2/NDF: 2491372.5/61



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.008+/-0.012 χ^2/NDF:14.5/13

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.012 χ^2/NDF:17.9/12

Left: -0.002+/-0.009 χ^2/NDF: 33.8/26

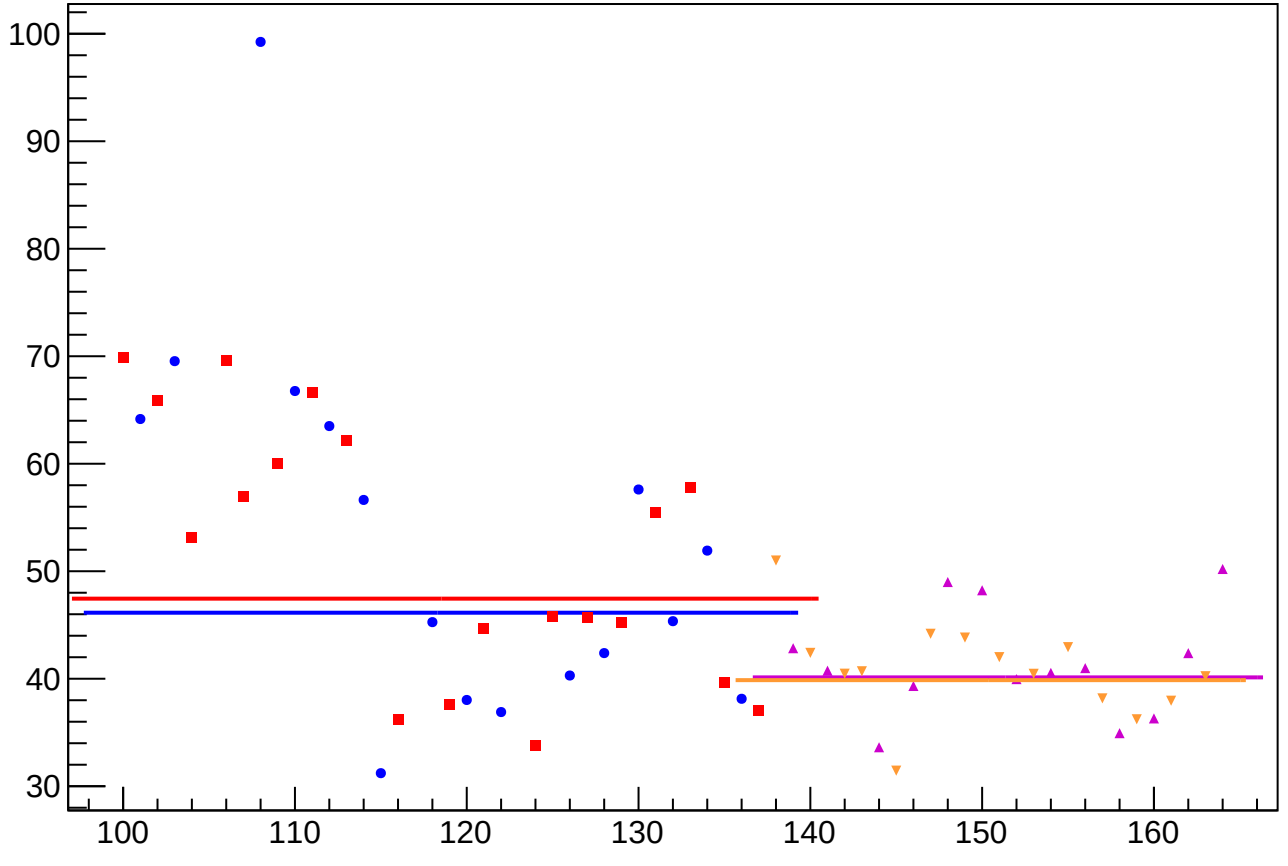
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.010 χ^2/NDF:32.1/28

Out: 0.004+/-0.010 χ^2/NDF:28.7/32

All: -0.004+/-0.007 χ^2/NDF: 62.0/61

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: 39.868+/-0.009 χ^2/NDF:257044.4/13

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.125+/-0.009 χ^2/NDF:282765.5/12

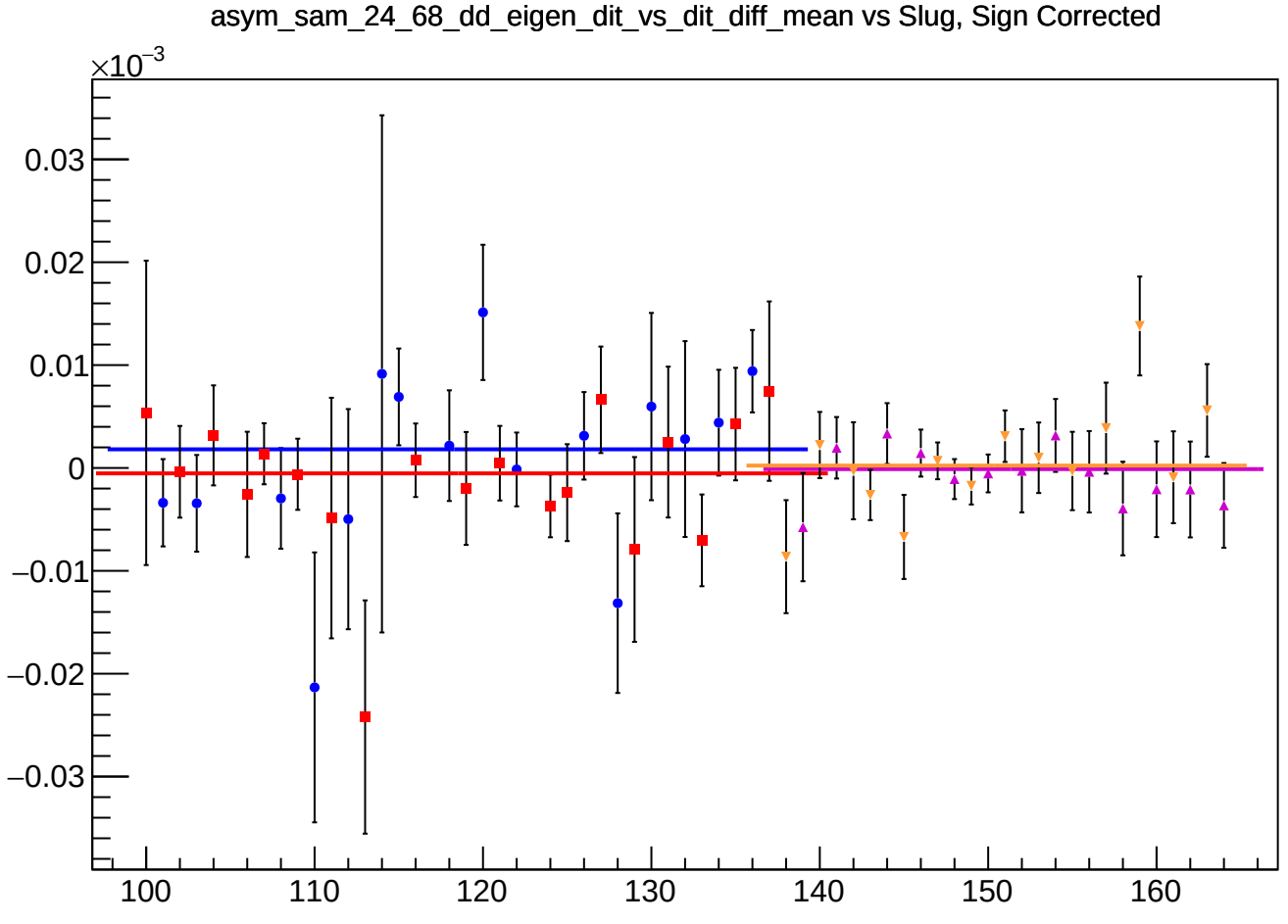
Left: 39.994+/-0.006 χ^2/NDF: 540244.7/26

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 42.069+/-0.007 χ^2/NDF:1337406.2/28

Out: 42.225+/-0.007 χ^2/NDF:1153730.5/32

All: 42.148+/-0.005 χ^2/NDF: 2491372.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/12

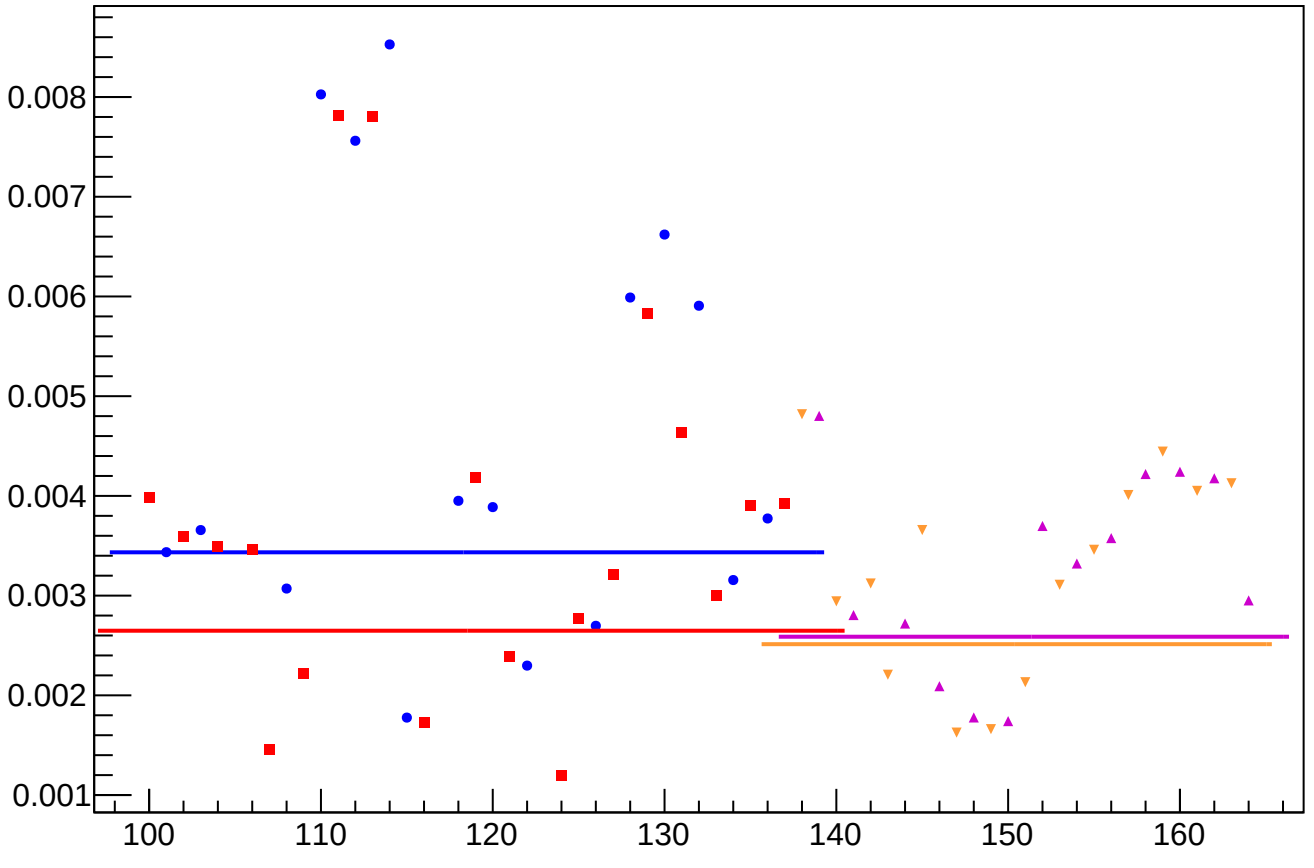
Left: 0.000+/-0.000 χ^2/NDF: 26.5/26

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:27.8/28

Out: -0.000+/-0.000 χ^2/NDF:34.1/32

All: 0.000+/-0.000 χ^2/NDF: 62.1/61



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:2816501.8/13

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2353283.5/12

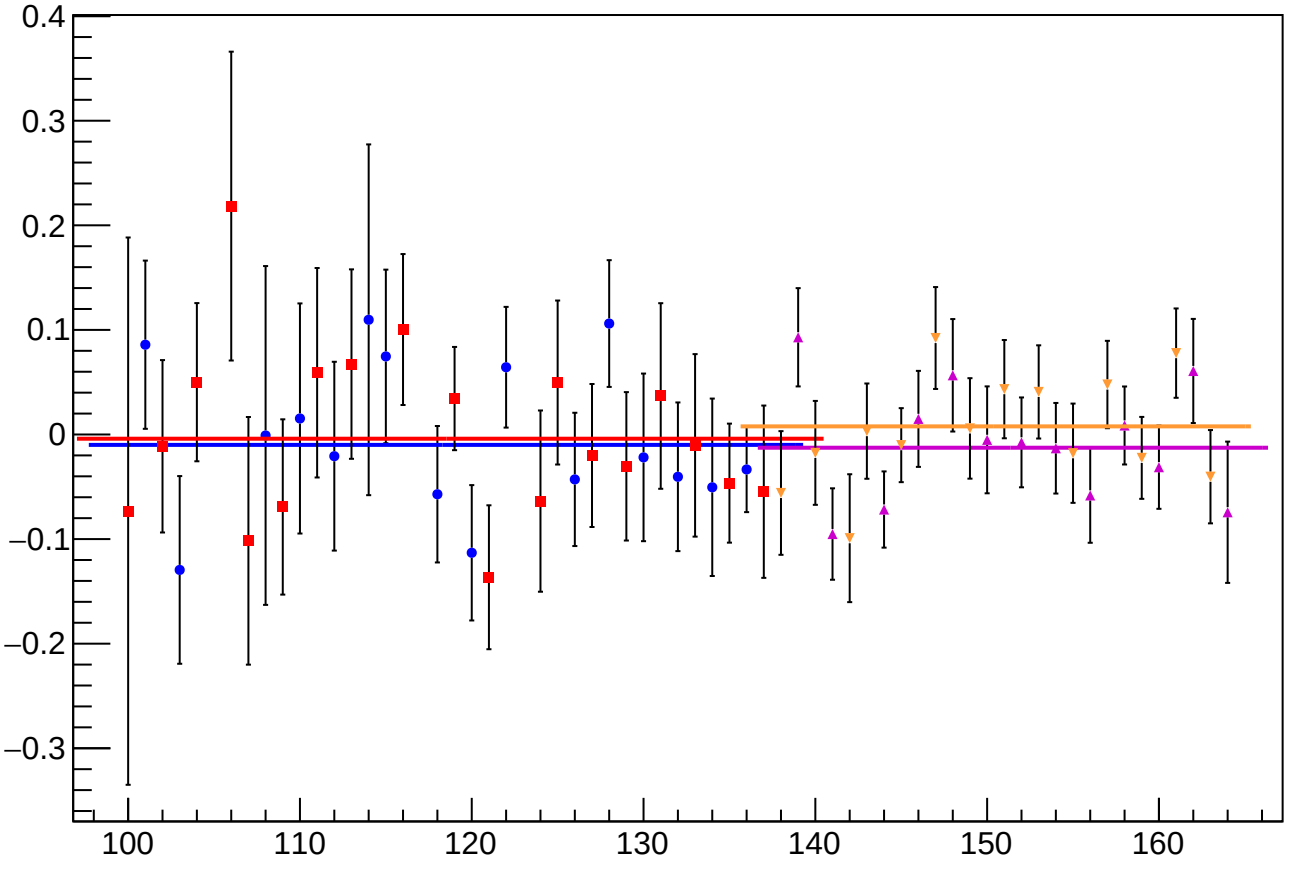
Left: 0.003+/-0.000 χ^2/NDF: 5178002.4/26

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:4655493.3/28

Out: 0.003+/-0.000 χ^2/NDF:5533132.9/32

All: 0.003+/-0.000 χ^2/NDF: 10330203.1/61



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.008+/-0.012 χ^2/NDF:14.5/13

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.012 χ^2/NDF:17.9/12

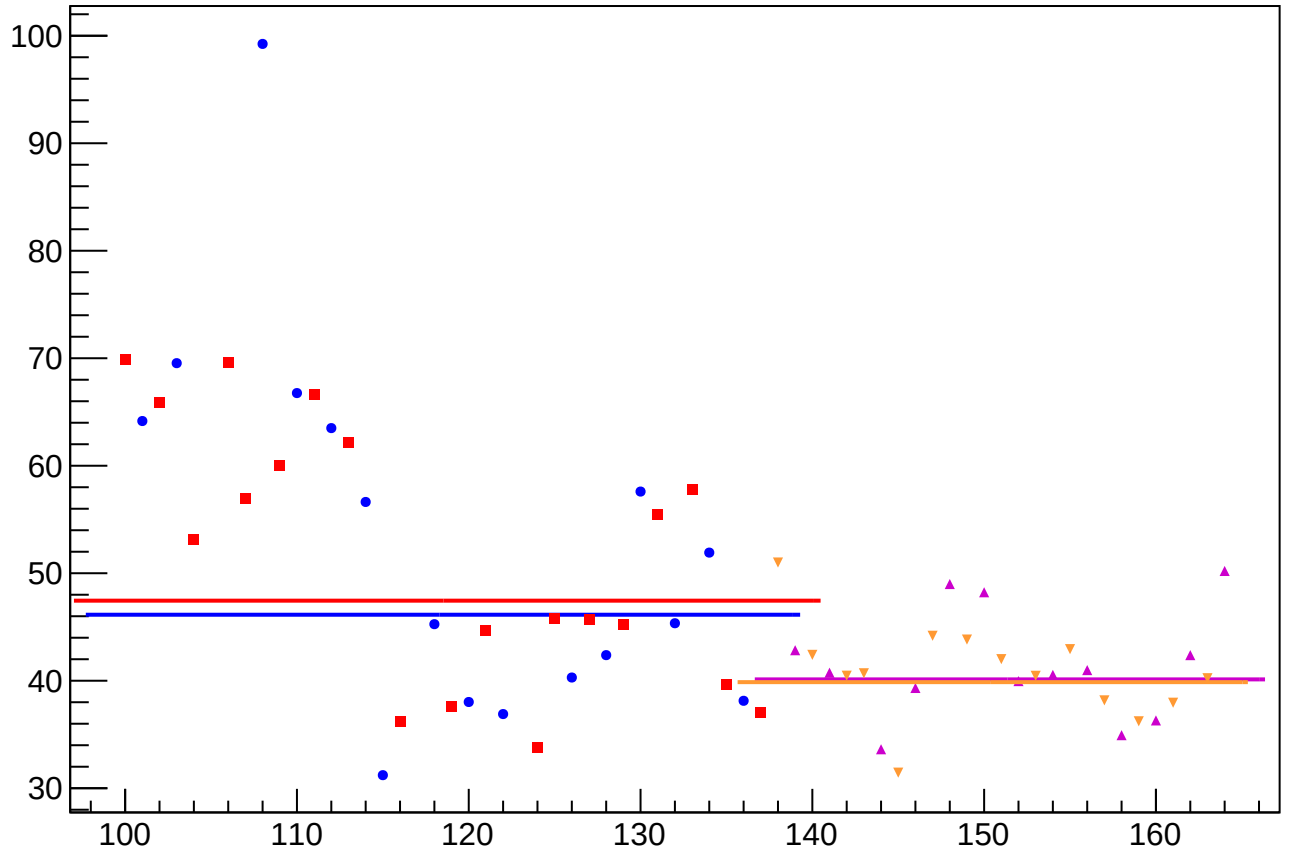
Left: -0.002+/-0.009 χ^2/NDF: 33.8/26

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.010 χ^2/NDF:32.1/28

Out: 0.004+/-0.010 χ^2/NDF:28.7/32

All: -0.004+/-0.007 χ^2/NDF: 62.0/61



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.868+/-0.009 χ^2/NDF:257059.7/13

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.124+/-0.009 χ^2/NDF:282811.8/12

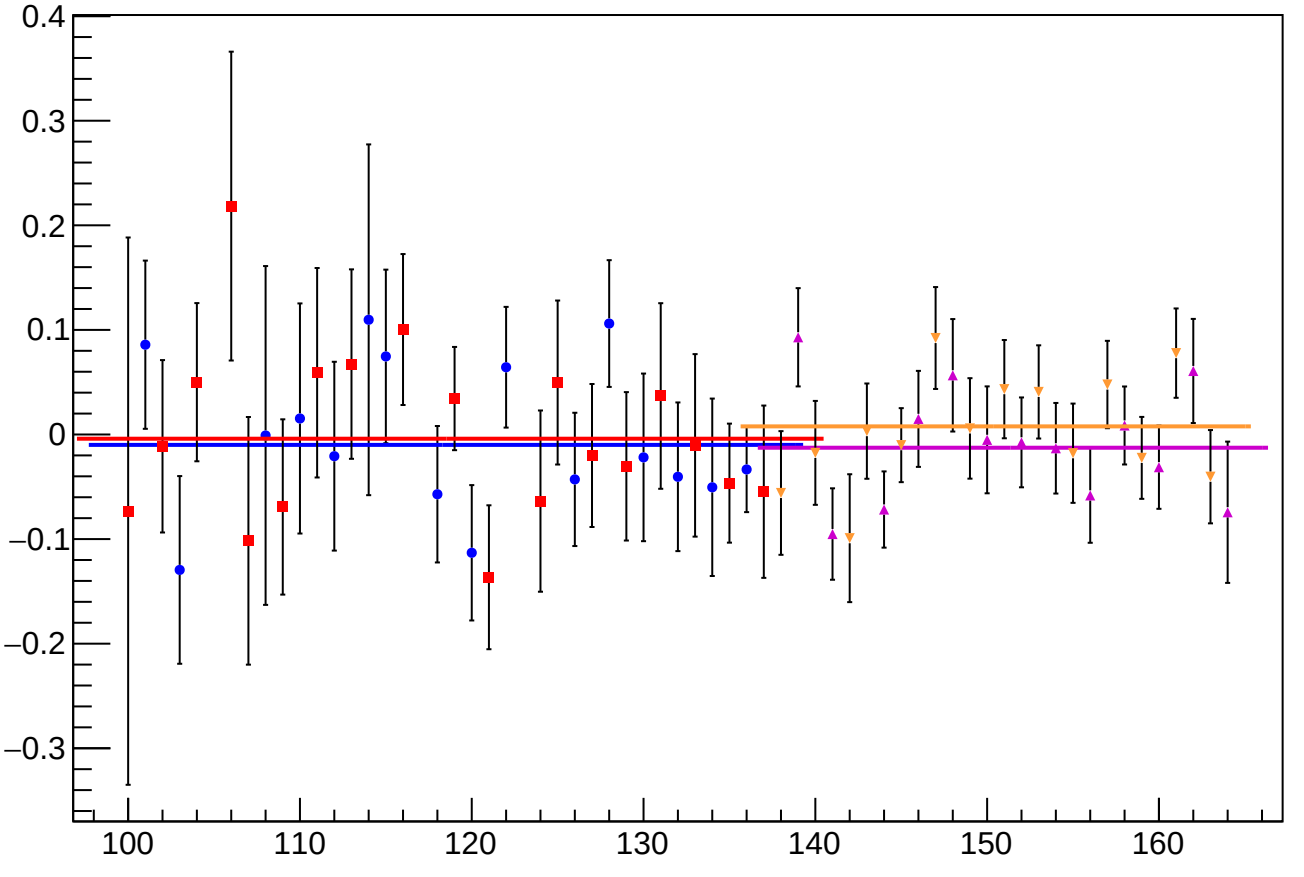
Left: 39.994+/-0.006 χ^2/NDF: 540305.1/26

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 42.069+/-0.007 χ^2/NDF:1337357.4/28

Out: 42.225+/-0.007 χ^2/NDF:1153656.6/32

All: 42.148+/-0.005 χ^2/NDF: 2491251.0/61



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.008+/-0.012 χ^2/NDF:14.5/13

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.013+/-0.012 χ^2/NDF:17.9/12

Left: -0.002+/-0.009 χ^2/NDF: 33.8/26

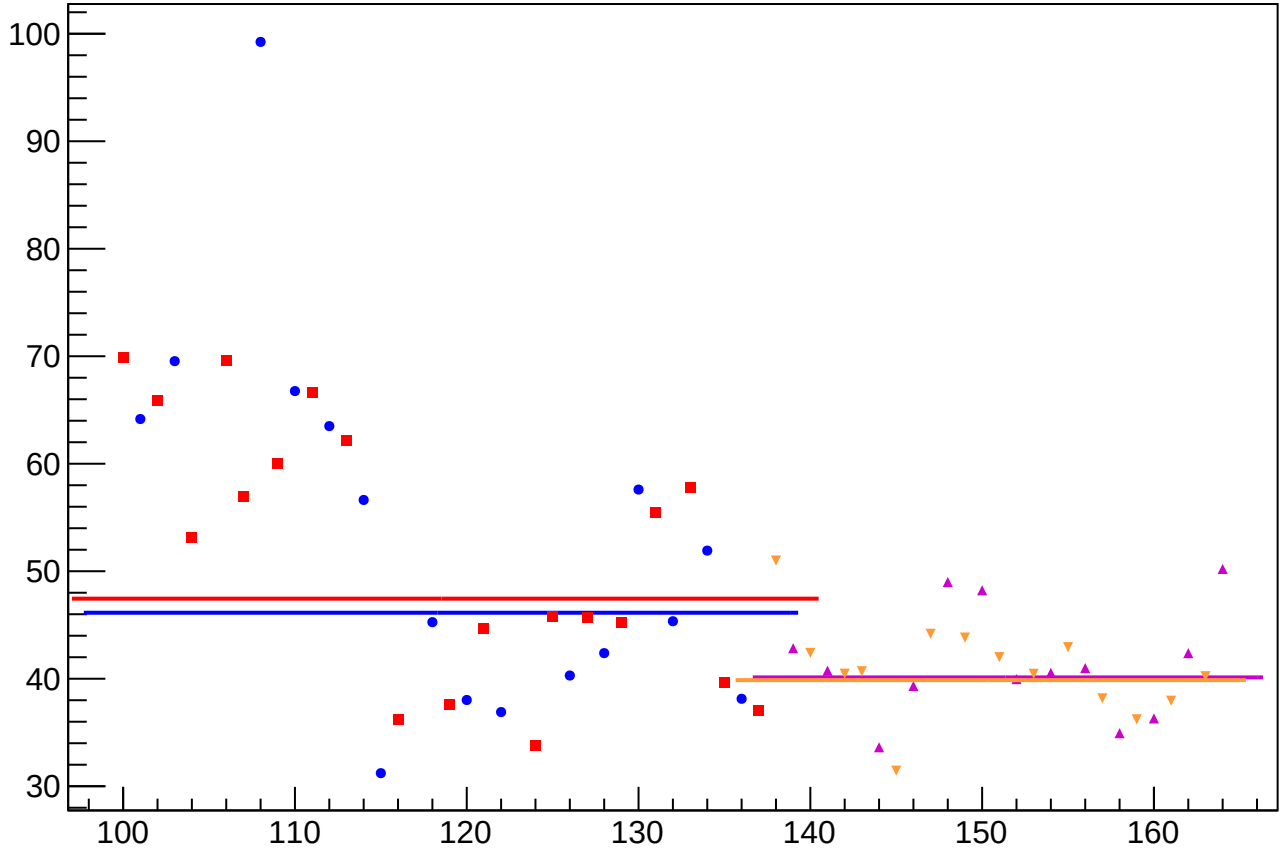
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.012+/-0.010 χ^2/NDF:32.1/28

Out: 0.004+/-0.010 χ^2/NDF:28.7/32

All: -0.004+/-0.007 χ^2/NDF: 62.0/61

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: 39.868+/-0.009 χ^2/NDF:257059.7/13

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.124+/-0.009 χ^2/NDF:282811.8/12

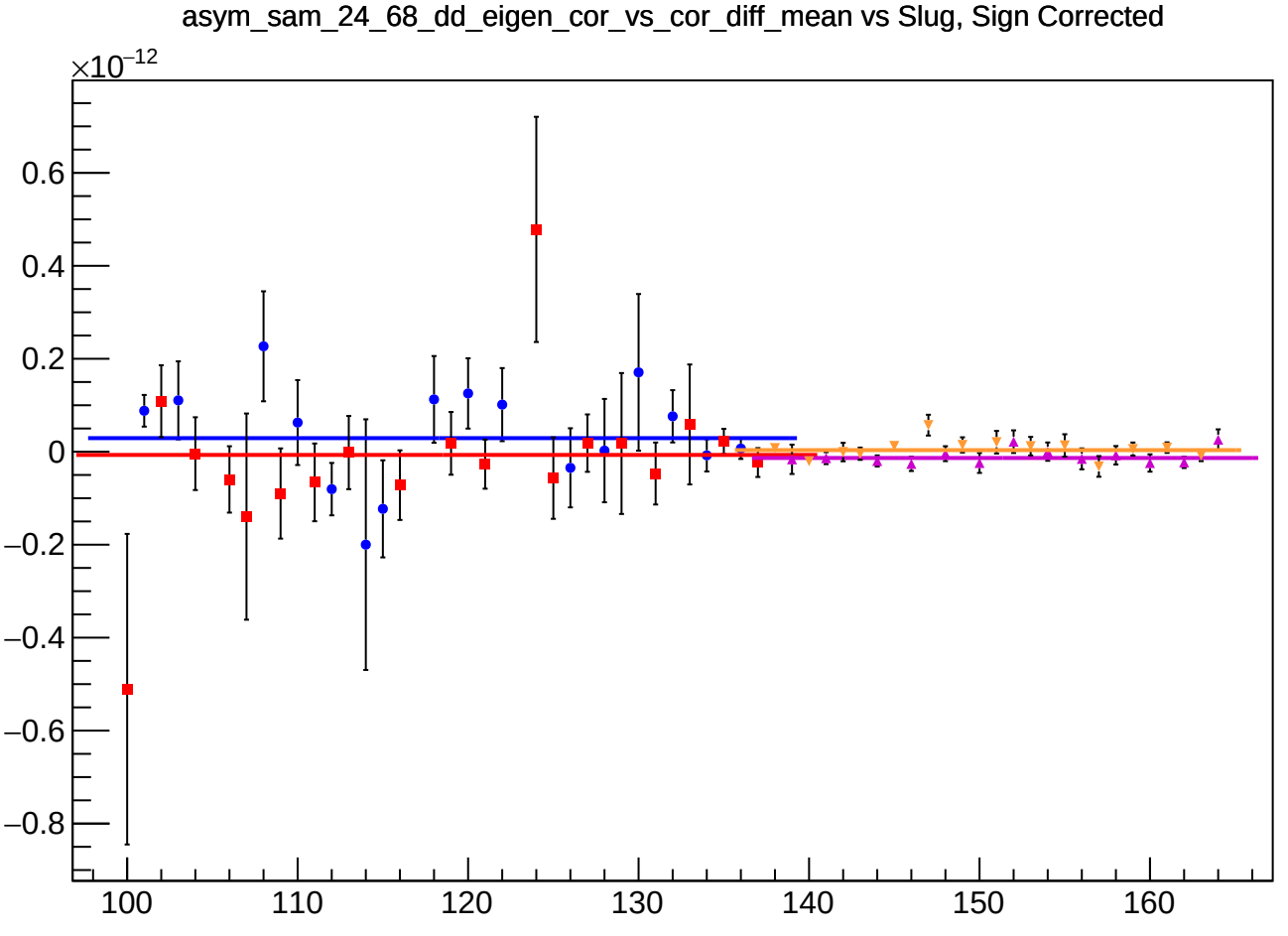
Left: 39.994+/-0.006 χ^2/NDF: 540305.1/26

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 42.069+/-0.007 χ^2/NDF:1337357.4/28

Out: 42.225+/-0.007 χ^2/NDF:1153656.6/32

All: 42.148+/-0.005 χ^2/NDF: 2491251.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/12

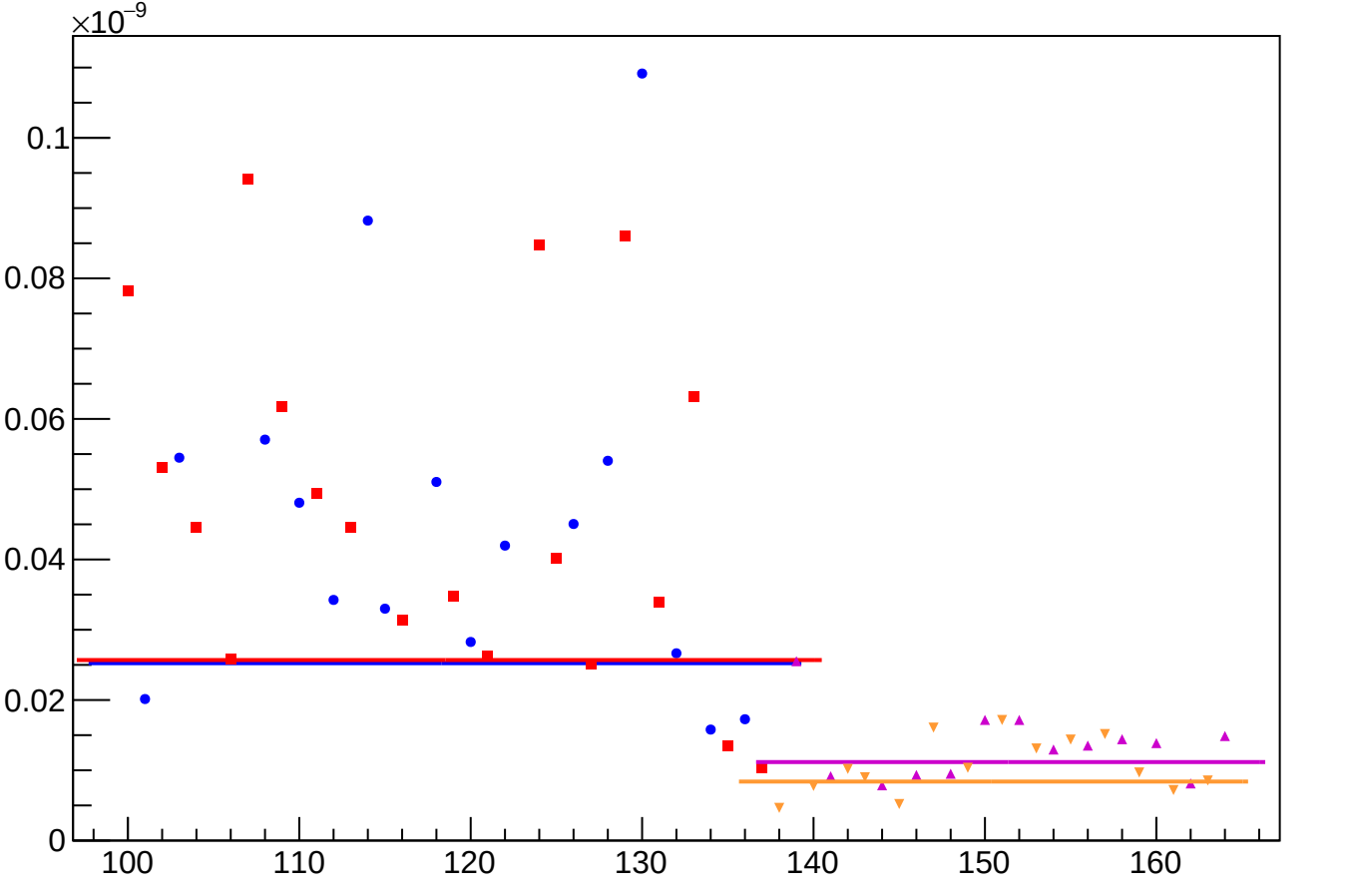
Left: -0.000+/-0.000 χ^2/NDF: 33.3/26

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:38.1/28

Out: 0.000+/-0.000 χ^2/NDF:31.9/32

All: -0.000+/-0.000 χ^2/NDF: 74.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1528227.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1259511.9/12

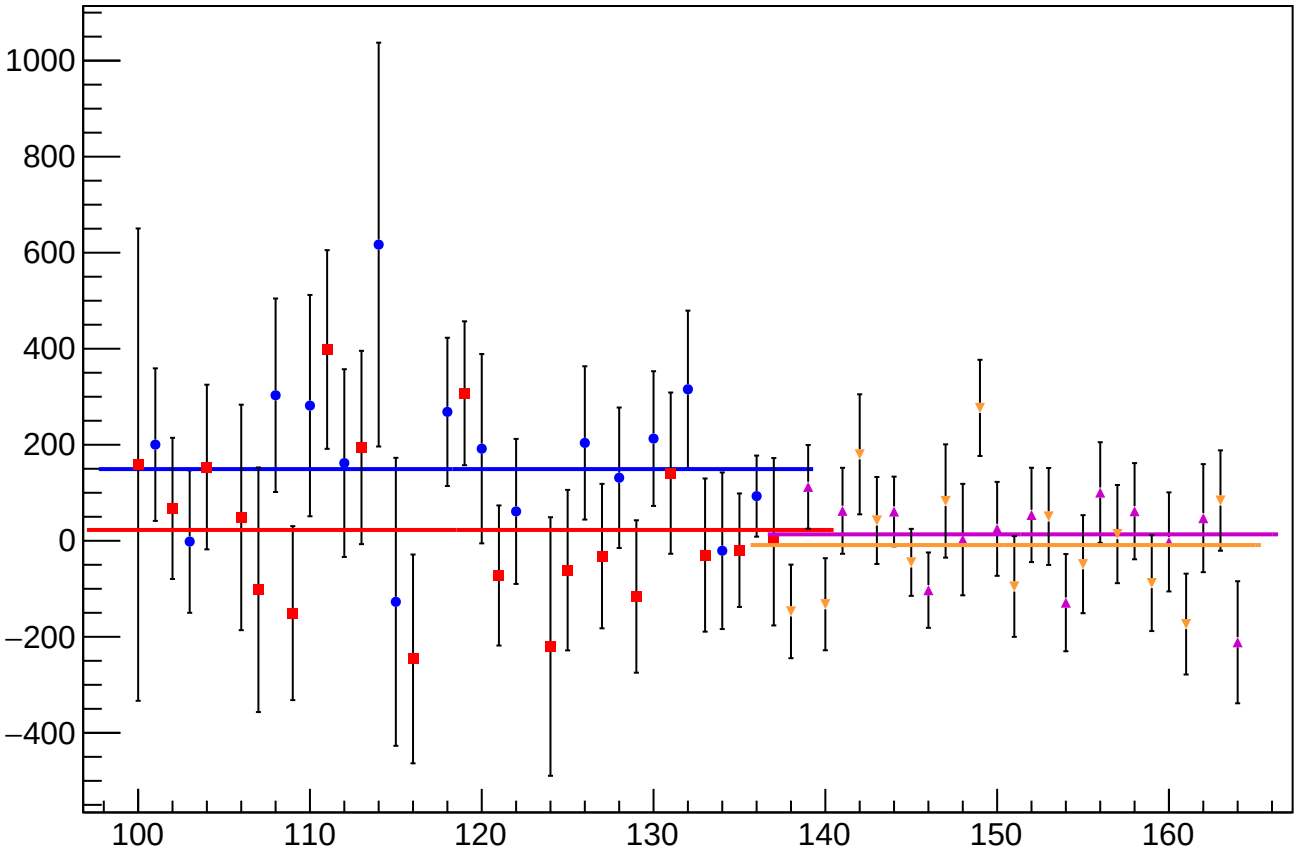
Left: 0.000+/-0.000 χ^2/NDF: 3212497.1/26

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:5308317.0/28

Out: 0.000+/-0.000 χ^2/NDF:7041473.6/32

All: 0.000+/-0.000 χ^2/NDF: 12973723.5/61



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -8.877+/-26.353 χ^2/NDF:20.4/13

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 13.416+/-26.592 χ^2/NDF:10.5/12

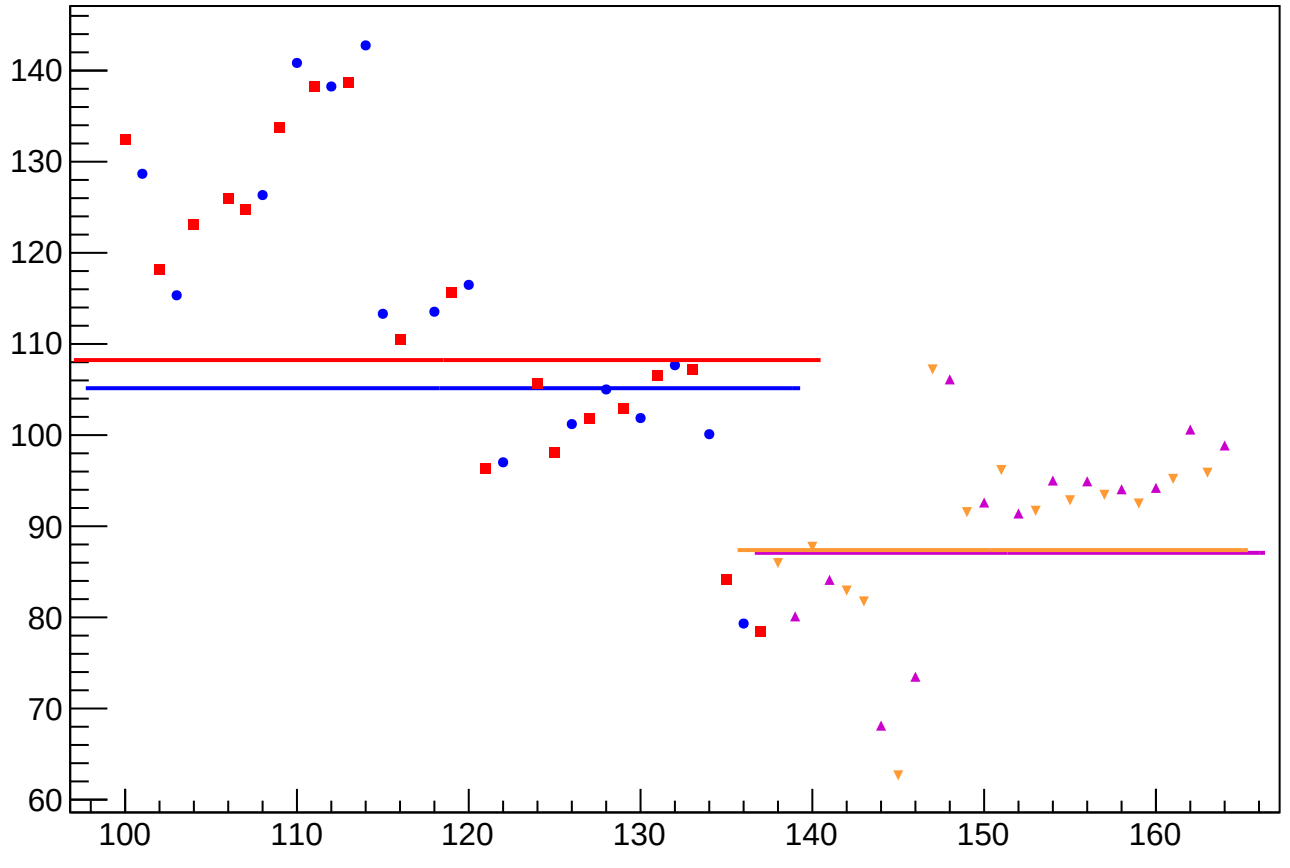
Left: 2.169+/-18.718 χ^2/NDF: 31.3/26

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 55.521+/-22.091 χ^2/NDF:26.7/28

Out: 0.602+/-22.023 χ^2/NDF:35.0/32

All: 27.976+/-15.597 χ^2/NDF: 64.8/61



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 87.384+/-0.019 χ^2/NDF:381670.4/13

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 87.082+/-0.019 χ^2/NDF:364241.7/12

Left: 87.234+/-0.013 χ^2/NDF: 746042.0/26

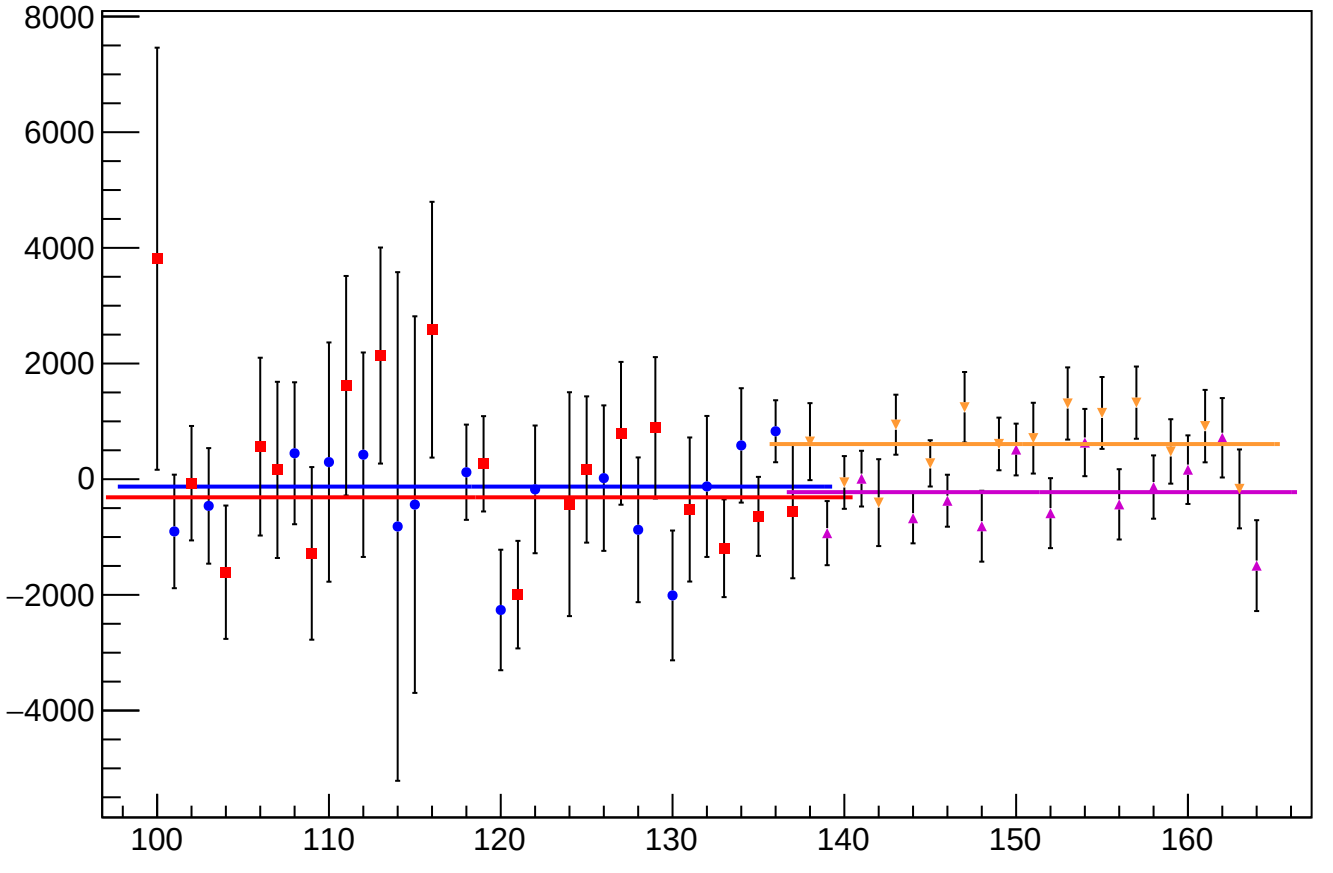
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 92.679+/-0.016 χ^2/NDF:1058617.7/28

Out: 93.672+/-0.016 χ^2/NDF:1109176.6/32

All: 93.177+/-0.011 χ^2/NDF: 2169821.6/61

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: 607.548+/-149.710 χ^2/NDF:11.1/13

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -223.766+/-151.147 χ^2/NDF:14.3/12

Left: 195.862+/-106.365 χ^2/NDF: 40.6/26

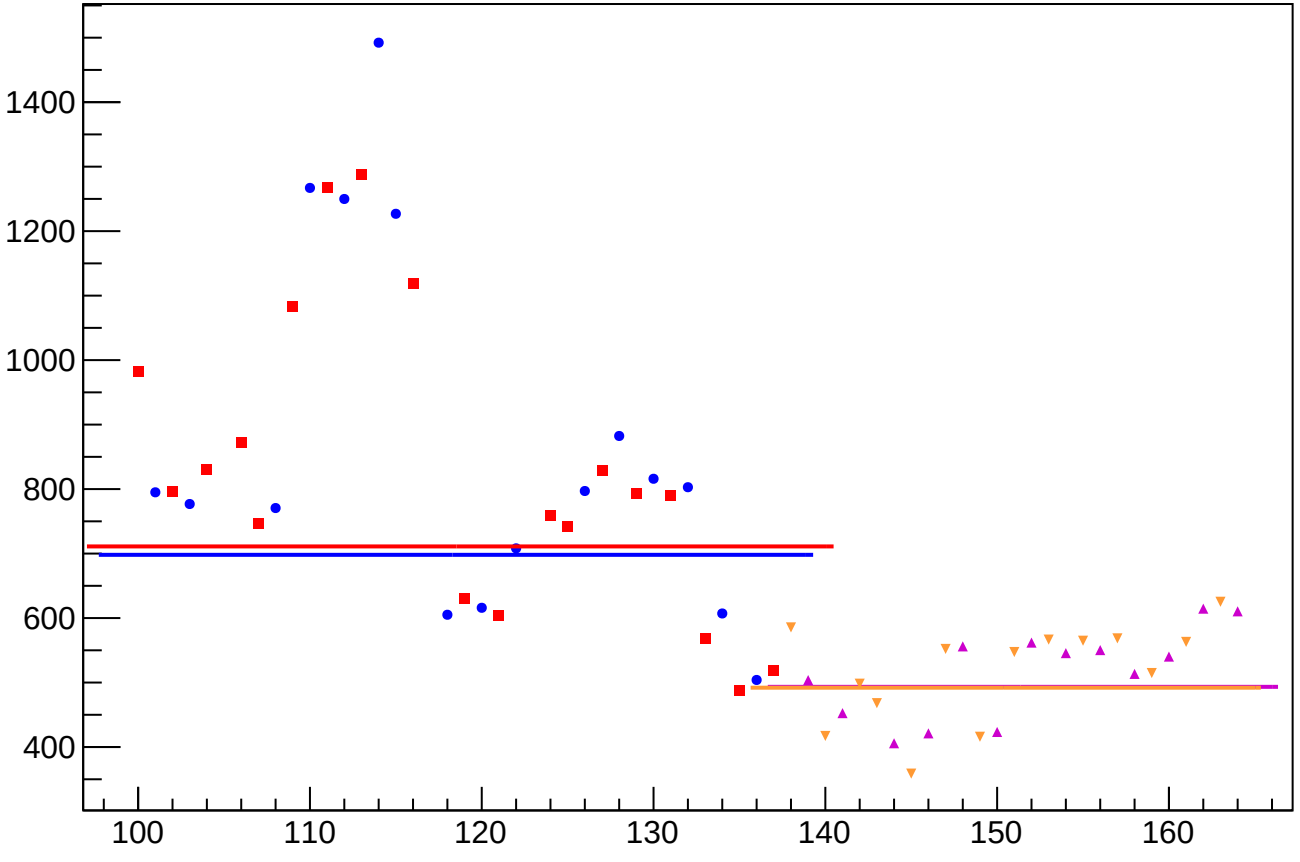
Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -200.749+/-131.725 χ^2/NDF:26.7/28

Out: 391.233+/-130.944 χ^2/NDF:35.0/32

All: 97.001+/-92.866 χ^2/NDF: 71.8/61

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 492.020+/-0.106 χ^2/NDF:602397.8/13

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 493.343+/-0.107 χ^2/NDF:398769.8/12

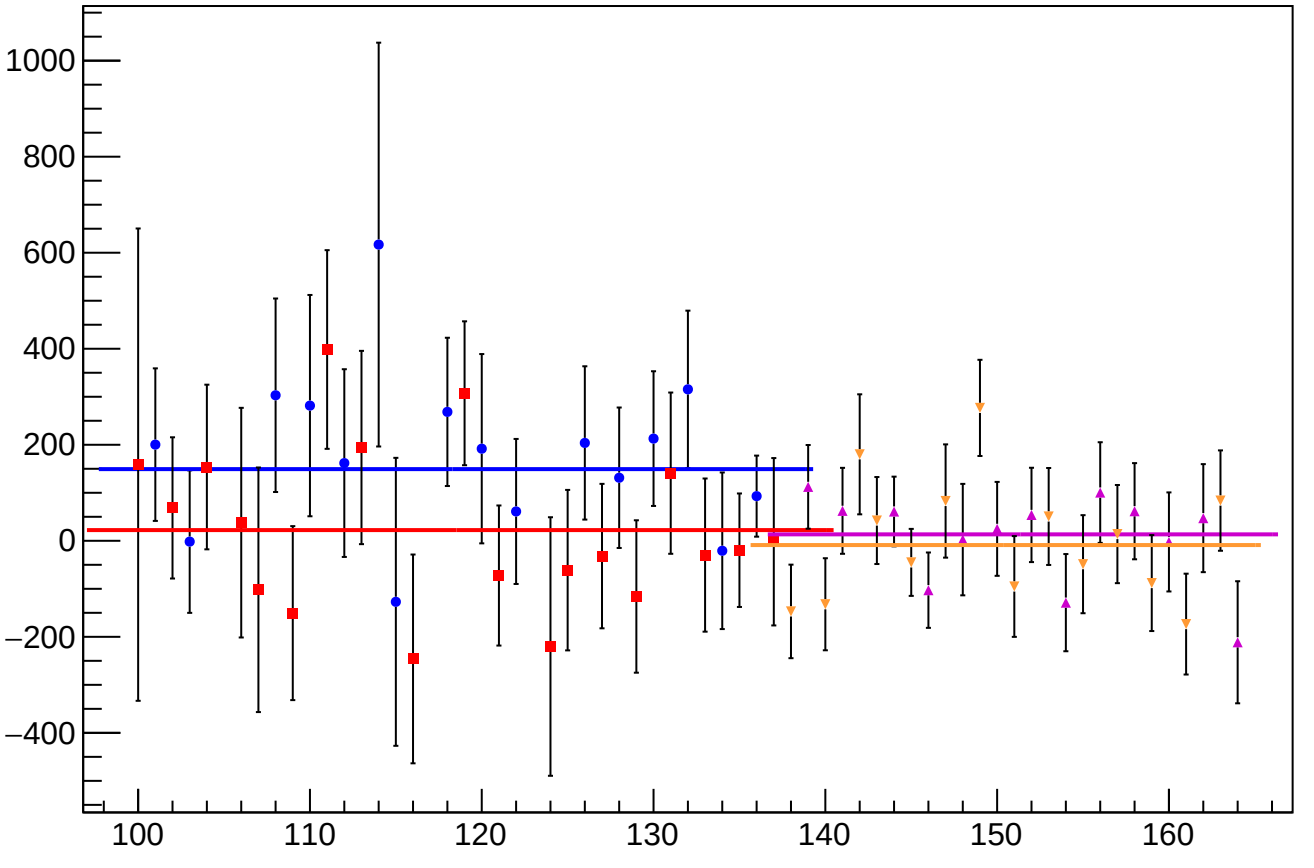
Left: 492.675+/-0.075 χ^2/NDF: 1001244.9/26

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 542.573+/-0.093 χ^2/NDF:2193896.7/28

Out: 543.496+/-0.093 χ^2/NDF:2643782.8/32

All: 543.037+/-0.066 χ^2/NDF: 4837728.9/61



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -8.878+/-26.353 χ^2/NDF:20.4/13

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 13.416+/-26.592 χ^2/NDF:10.5/12

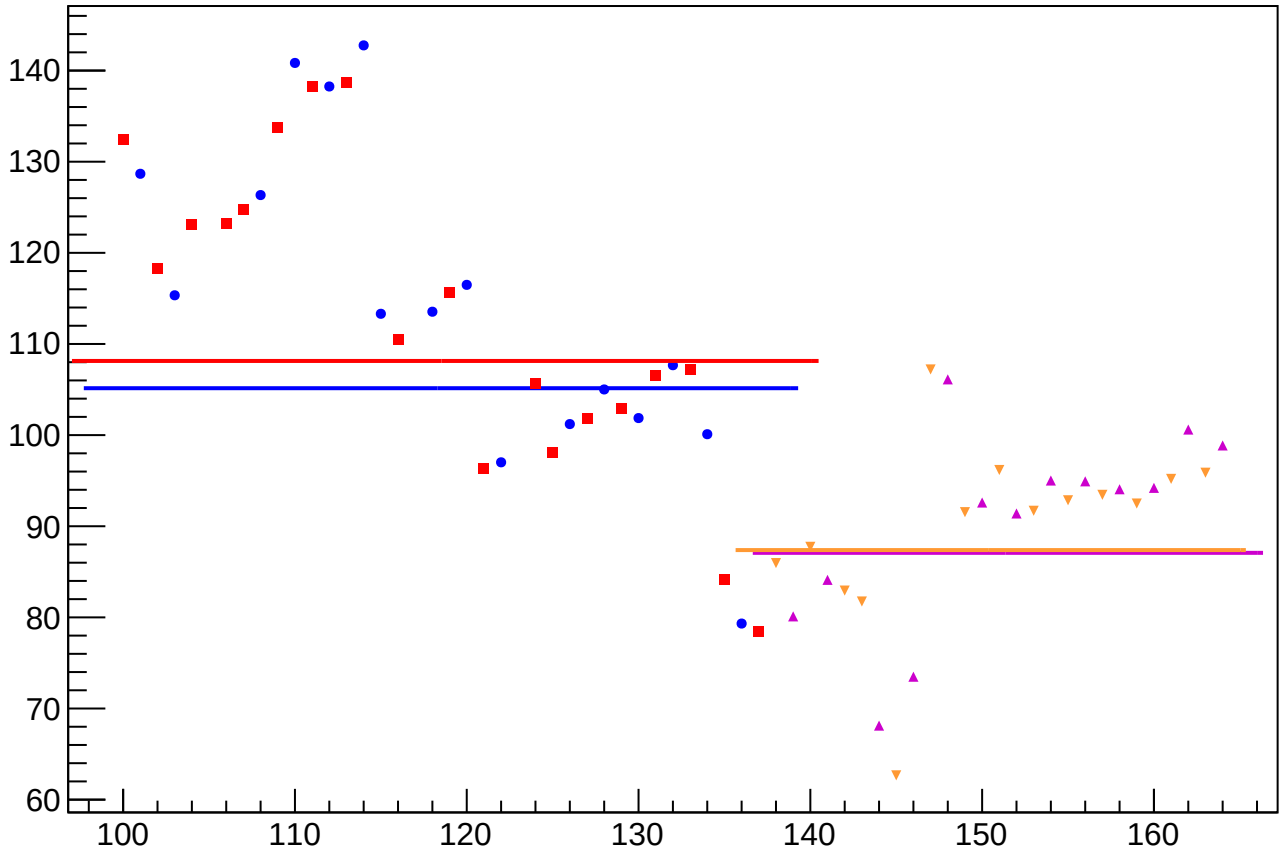
Left: 2.168+/-18.718 χ^2/NDF: 31.3/26

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 55.518+/-22.091 χ^2/NDF:26.7/28

Out: 0.518+/-22.027 χ^2/NDF:35.0/32

All: 27.937+/-15.598 χ^2/NDF: 64.8/61



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.384+/-0.019 χ^2/NDF:381670.4/13

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 87.082+/-0.019 χ^2/NDF:364241.7/12

Left: 87.234+/-0.013 χ^2/NDF: 746042.0/26

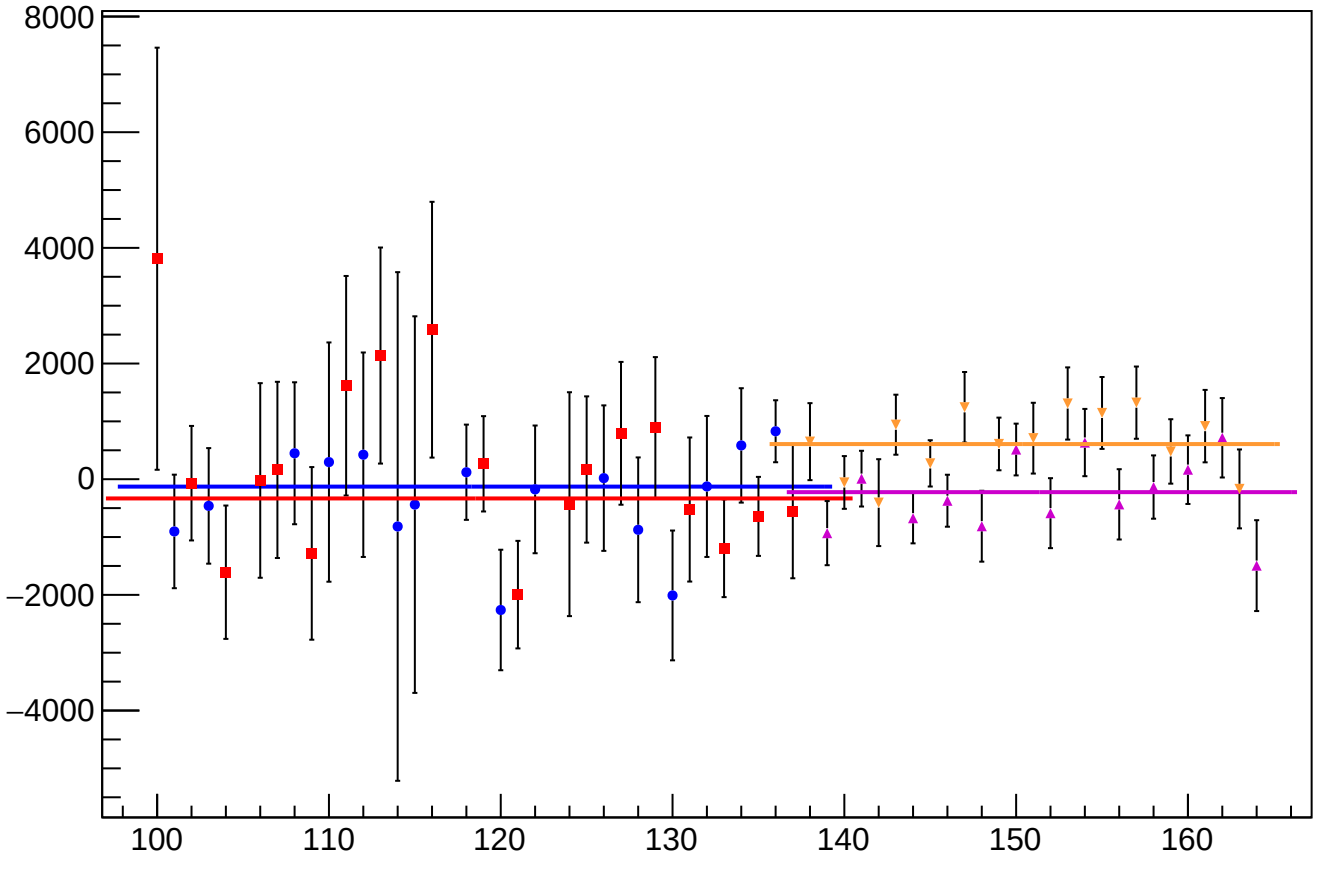
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.679+/-0.016 χ^2/NDF:1058618.1/28

Out: 93.638+/-0.016 χ^2/NDF:1101791.7/32

All: 93.160+/-0.011 χ^2/NDF: 2162300.7/61

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: 607.549+/-149.710 χ^2/NDF:11.1/13

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -223.764+/-151.147 χ^2/NDF:14.3/12

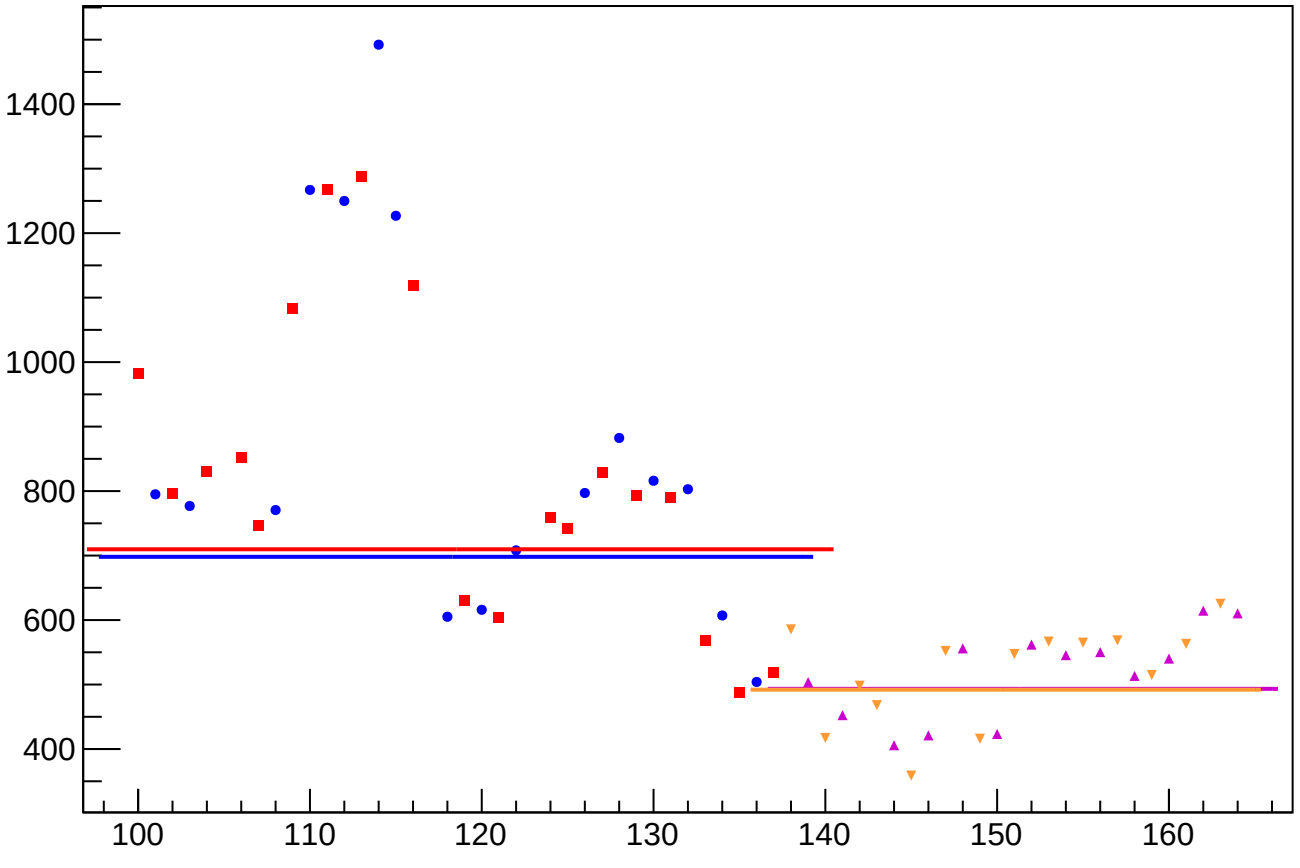
Left: 195.863+/-106.365 χ^2/NDF: 40.6/26

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -200.746+/-131.725 χ^2/NDF:26.7/28

Out: 387.499+/-131.024 χ^2/NDF:35.0/32

All: 94.945+/-92.895 χ^2/NDF: 71.7/61



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 492.020+/-0.106 χ^2/NDF:602398.0/13

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 493.343+/-0.107 χ^2/NDF:398769.9/12

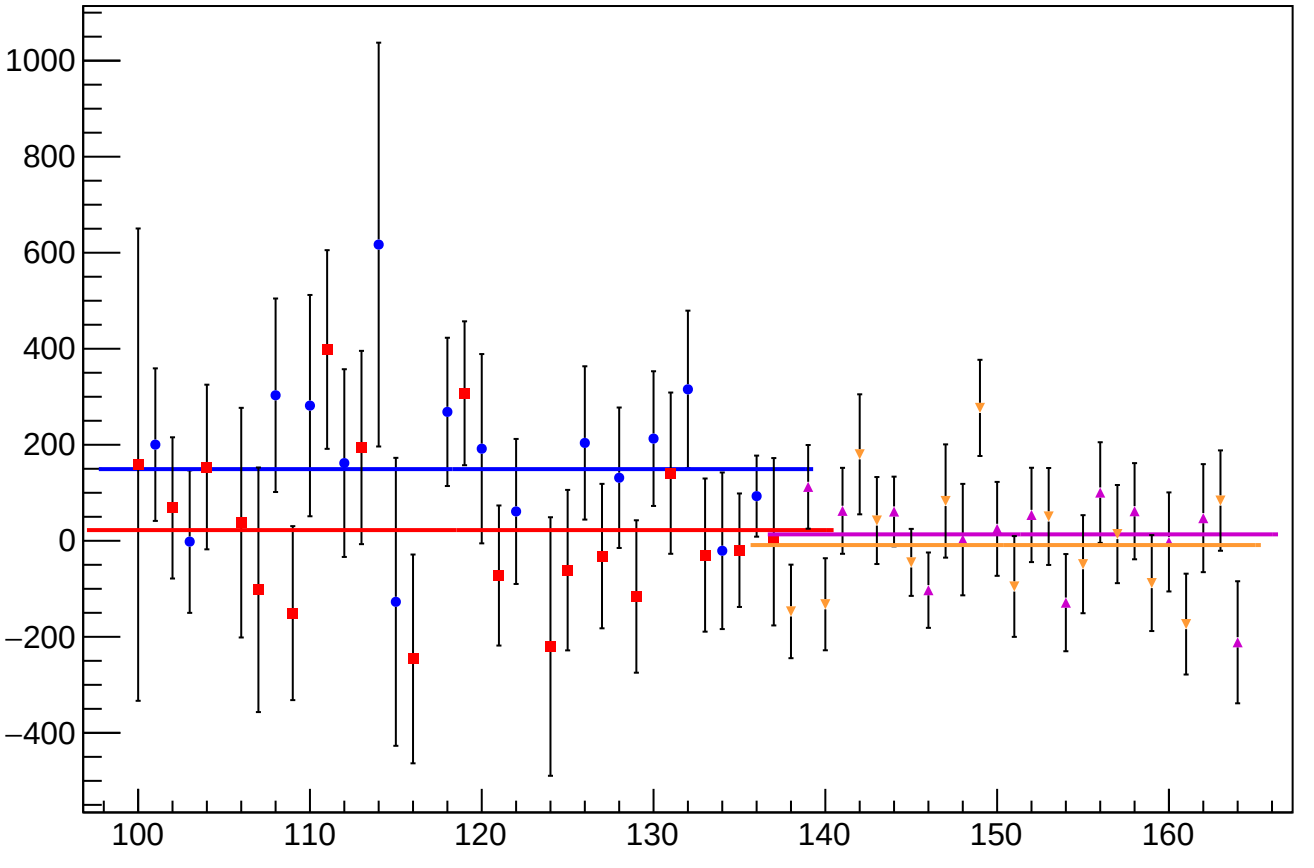
Left: 492.675+/-0.075 χ^2/NDF: 1001245.2/26

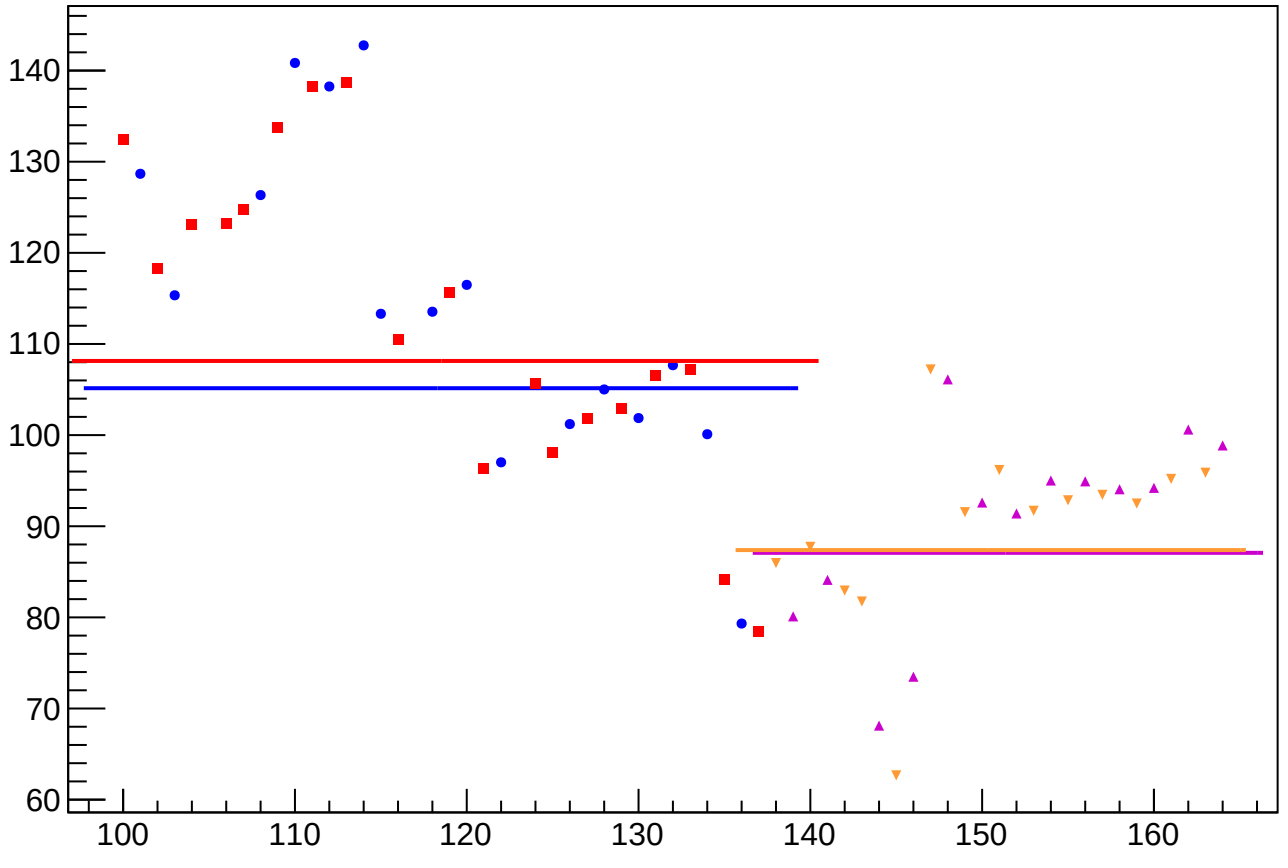
Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 542.573+/-0.093 χ^2/NDF:2193908.7/28

Out: 542.978+/-0.093 χ^2/NDF:2619556.0/32

All: 542.776+/-0.066 χ^2/NDF: 4813474.2/61


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
160
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: -8.878+/-26.353 χ²/NDF:20.4/13
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: 13.416+/-26.592 χ²/NDF:10.5/12
Left: 2.168+/-18.718 χ²/NDF: 31.3/26
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 55.518+/-22.091 χ²/NDF:26.7/28
Out: 0.518+/-22.027 χ²/NDF:35.0/32
All: 27.937+/-15.598 χ²/NDF: 64.8/61



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.384+/-0.019 χ^2/NDF:381670.4/13

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 87.082+/-0.019 χ^2/NDF:364241.7/12

Left: 87.234+/-0.013 χ^2/NDF: 746042.0/26

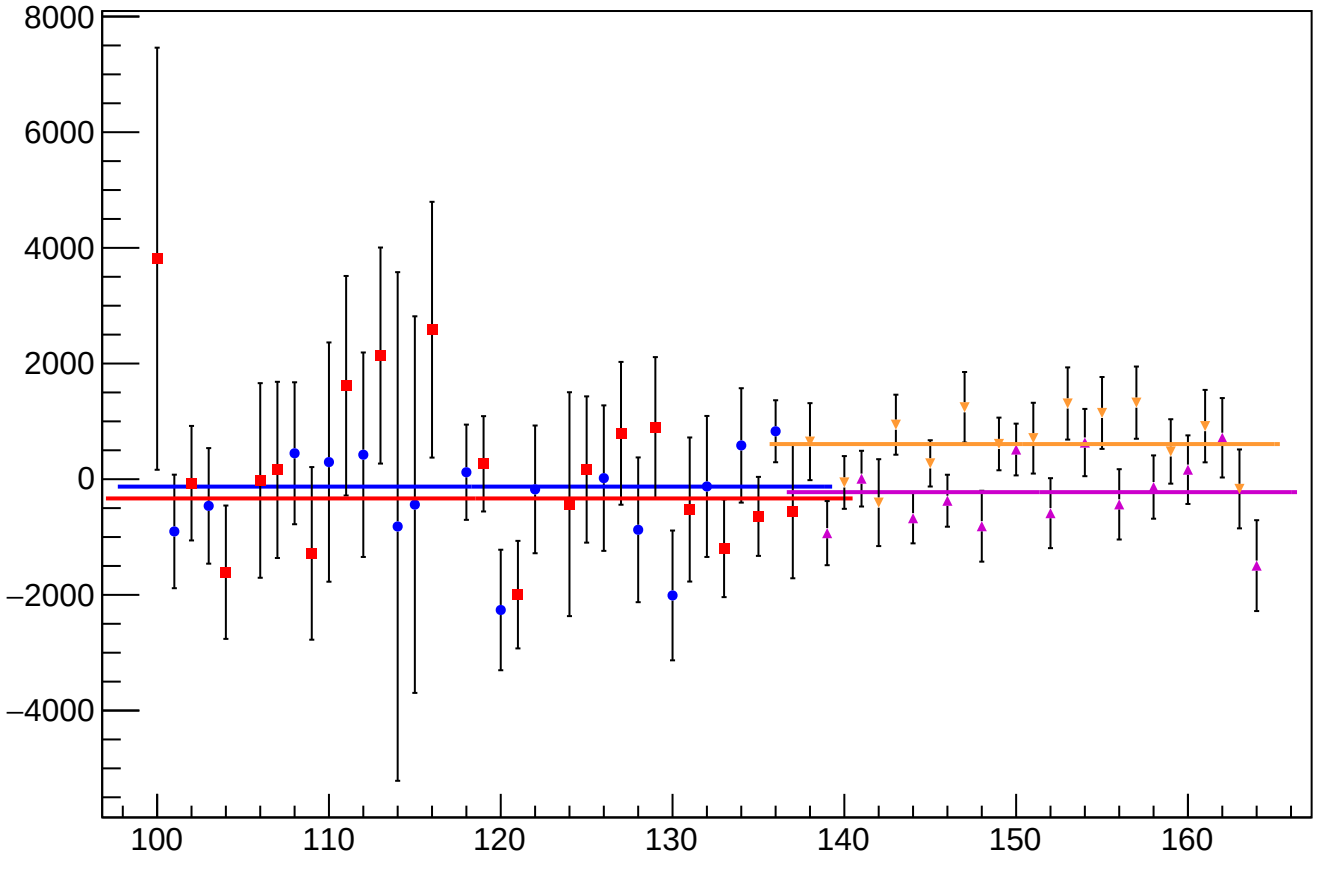
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.679+/-0.016 χ^2/NDF:1058618.1/28

Out: 93.638+/-0.016 χ^2/NDF:1101791.7/32

All: 93.160+/-0.011 χ^2/NDF: 2162300.7/61

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: 607.549+/-149.710 χ^2/NDF:11.1/13

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -223.764+/-151.147 χ^2/NDF:14.3/12

Left: 195.863+/-106.365 χ^2/NDF: 40.6/26

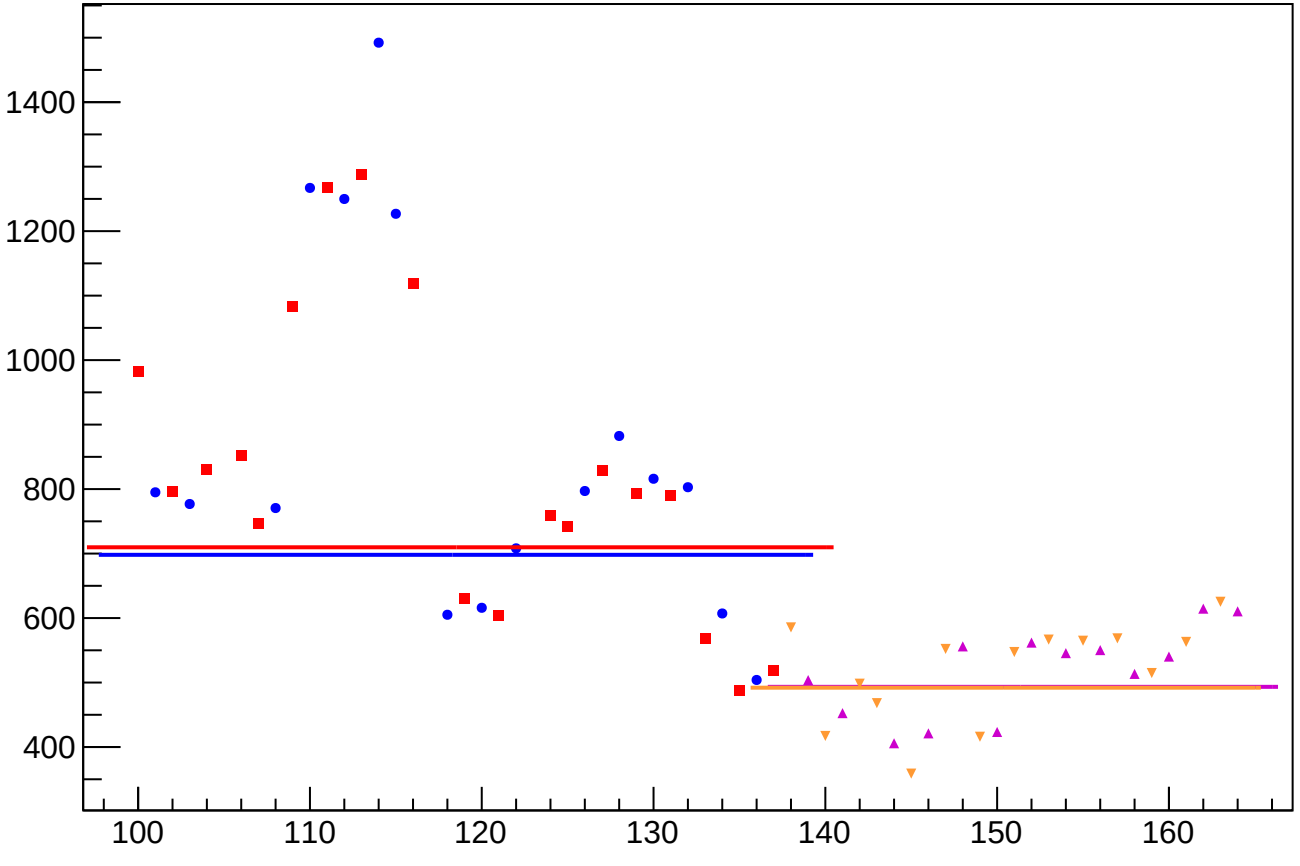
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -200.746+/-131.725 χ^2/NDF:26.7/28

Out: 387.499+/-131.024 χ^2/NDF:35.0/32

All: 94.945+/-92.895 χ^2/NDF: 71.7/61

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: 492.020+/-0.106 χ^2/NDF:602398.0/13

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 493.343+/-0.107 χ^2/NDF:398769.9/12

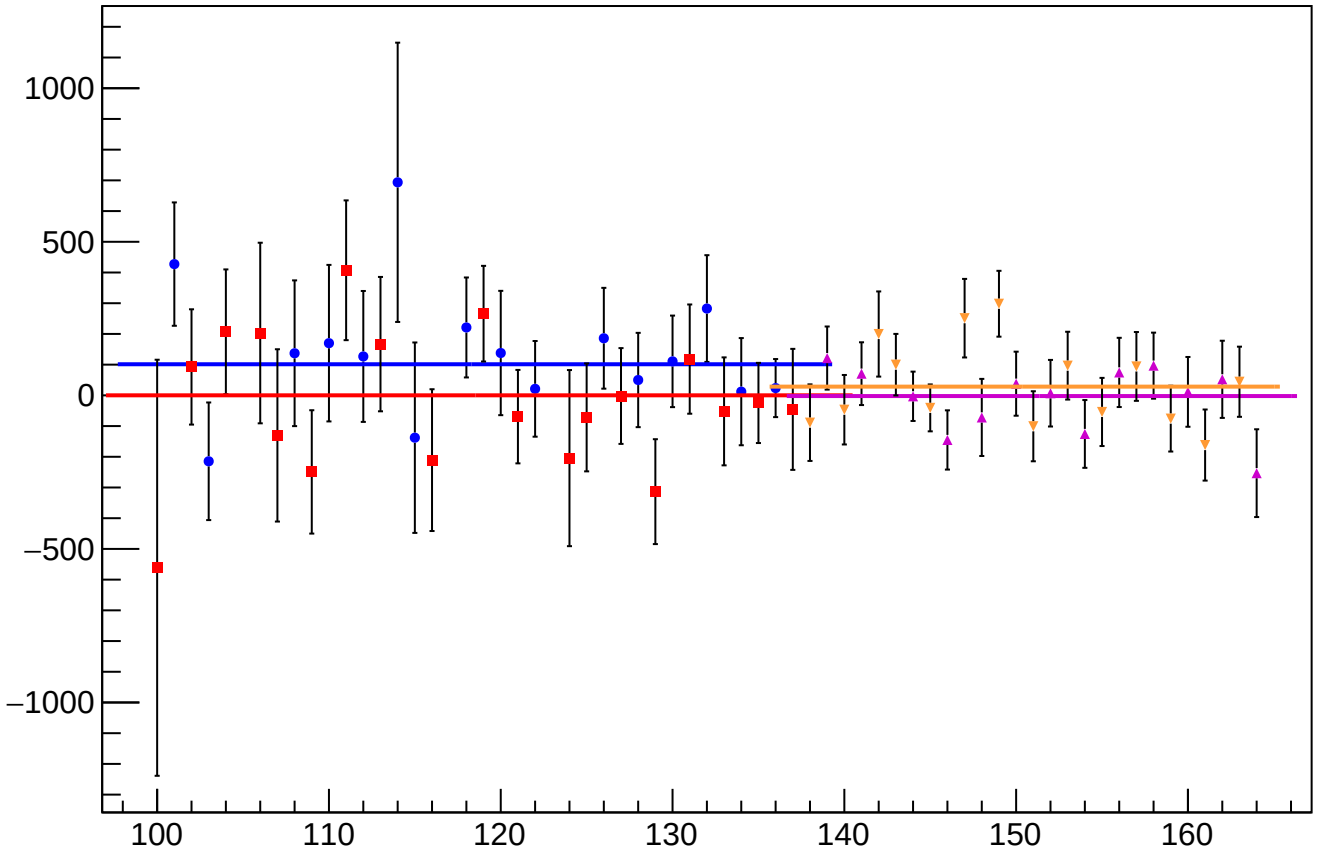
Left: 492.675+/-0.075 χ^2/NDF: 1001245.2/26

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 542.573+/-0.093 χ^2/NDF:2193908.7/28

Out: 542.978+/-0.093 χ^2/NDF:2619556.0/32

All: 542.776+/-0.066 χ^2/NDF: 4813474.2/61



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 28.422+/-29.212 χ^2/NDF:19.8/13

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -2.277+/-29.738 χ^2/NDF:10.5/12

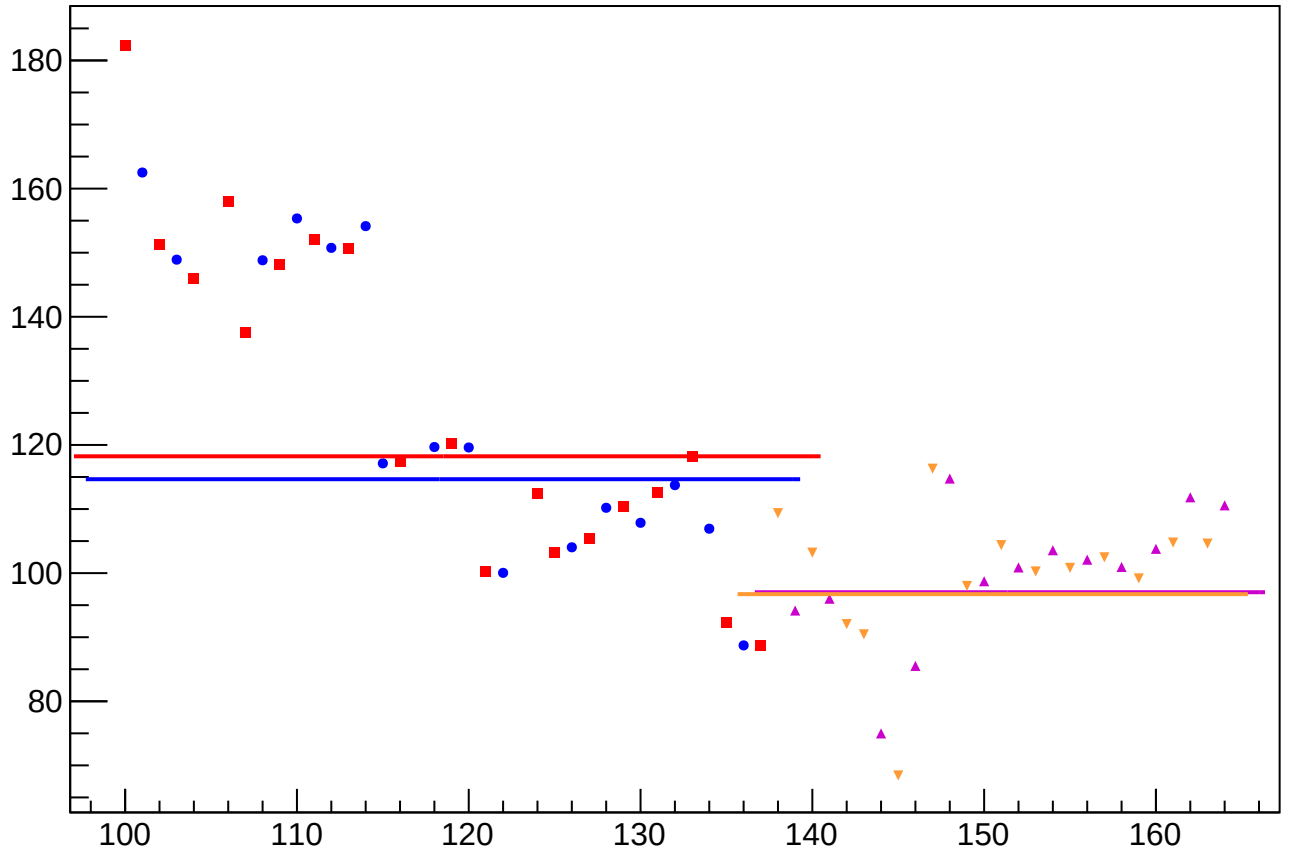
Left: 13.346+/-20.839 χ^2/NDF: 30.8/26

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 30.696+/-24.551 χ^2/NDF:25.3/28

Out: 19.775+/-24.342 χ^2/NDF:36.7/32

All: 25.189+/-17.286 χ^2/NDF: 62.1/61



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 96.720+/-0.021 χ^2/NDF:398014.4/13

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 97.020+/-0.021 χ^2/NDF:290393.1/12

Left: 96.867+/-0.015 χ^2/NDF: 688511.1/26

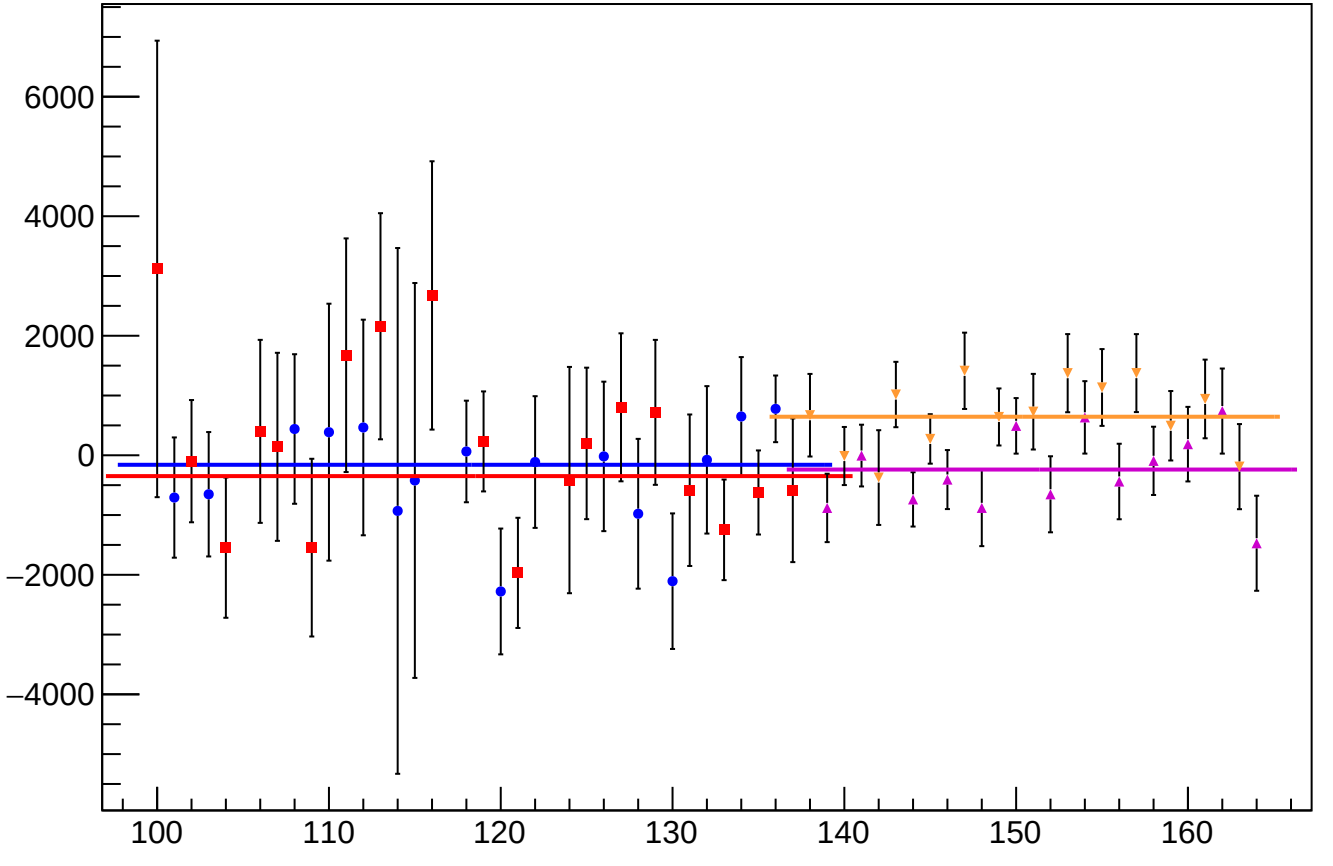
Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 102.635+/-0.017 χ^2/NDF:1046305.7/28

Out: 103.293+/-0.017 χ^2/NDF:1212829.4/32

All: 102.967+/-0.012 χ^2/NDF: 2259860.4/61

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 645.023+/-156.558 χ^2/NDF:10.9/13

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -238.792+/-158.691 χ^2/NDF:13.7/12

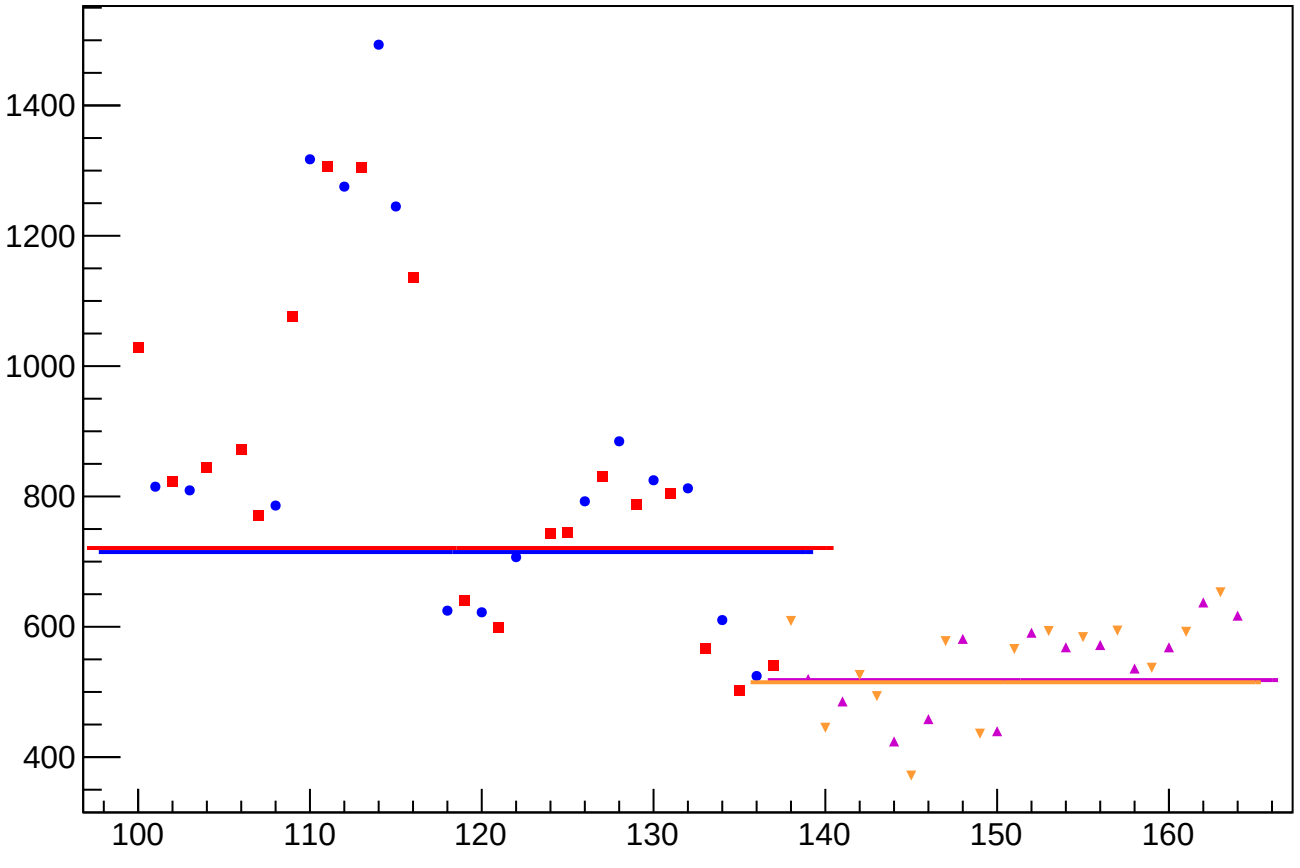
Left: 209.096+/-111.449 χ^2/NDF: 40.3/26

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -218.839+/-137.392 χ^2/NDF:25.7/28

Out: 399.944+/-135.883 χ^2/NDF:35.2/32

All: 93.969+/-96.613 χ^2/NDF: 71.2/61



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 514.896+/-0.111 χ^2/NDF:595900.5/13

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 518.209+/-0.112 χ^2/NDF:356155.8/12

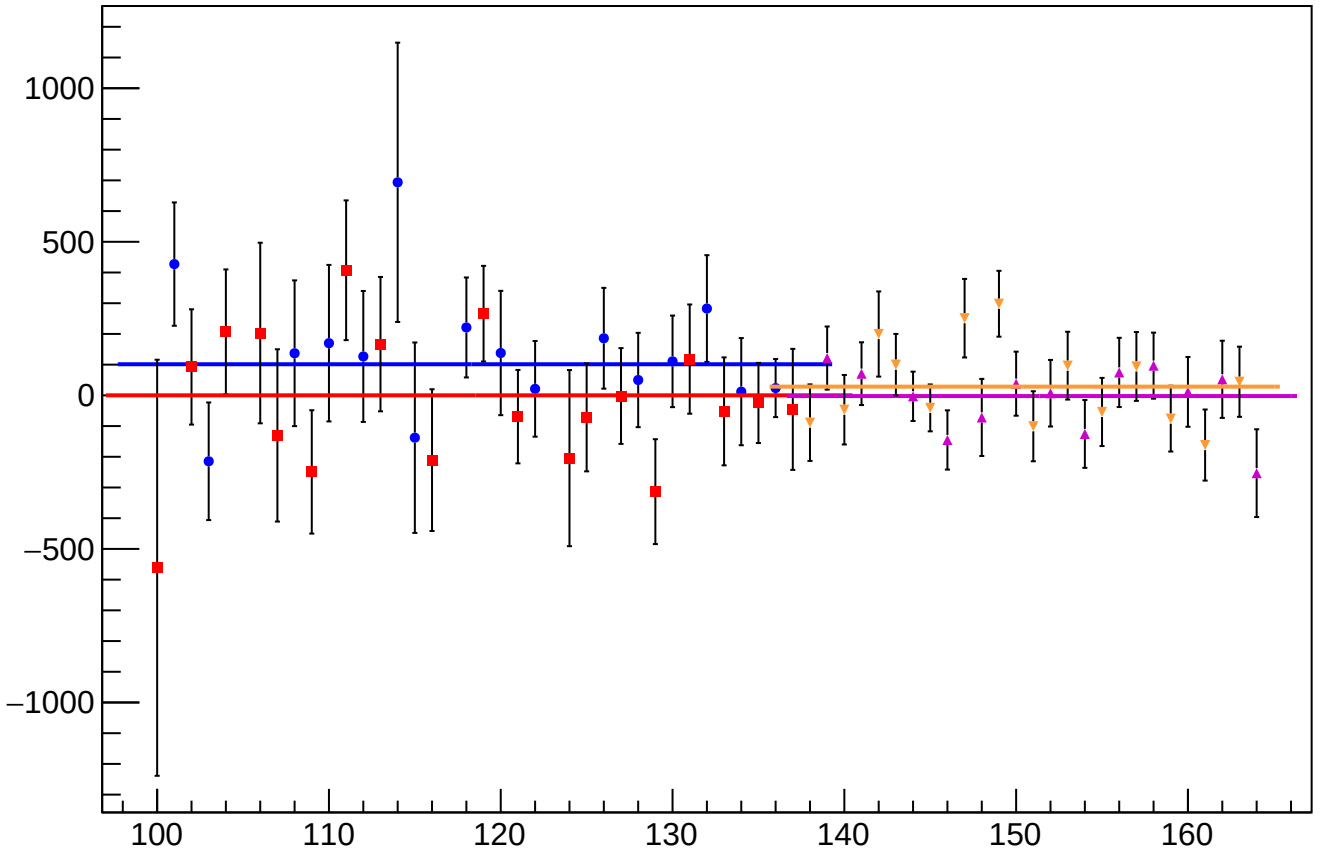
Left: 516.530+/-0.079 χ^2/NDF: 952498.0/26

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 567.405+/-0.097 χ^2/NDF:1999946.0/28

Out: 565.708+/-0.096 χ^2/NDF:2468385.5/32

All: 566.547+/-0.068 χ^2/NDF: 4468485.8/61



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 28.421+/-29.212 χ^2/NDF:19.8/13

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -2.278+/-29.738 χ^2/NDF:10.5/12

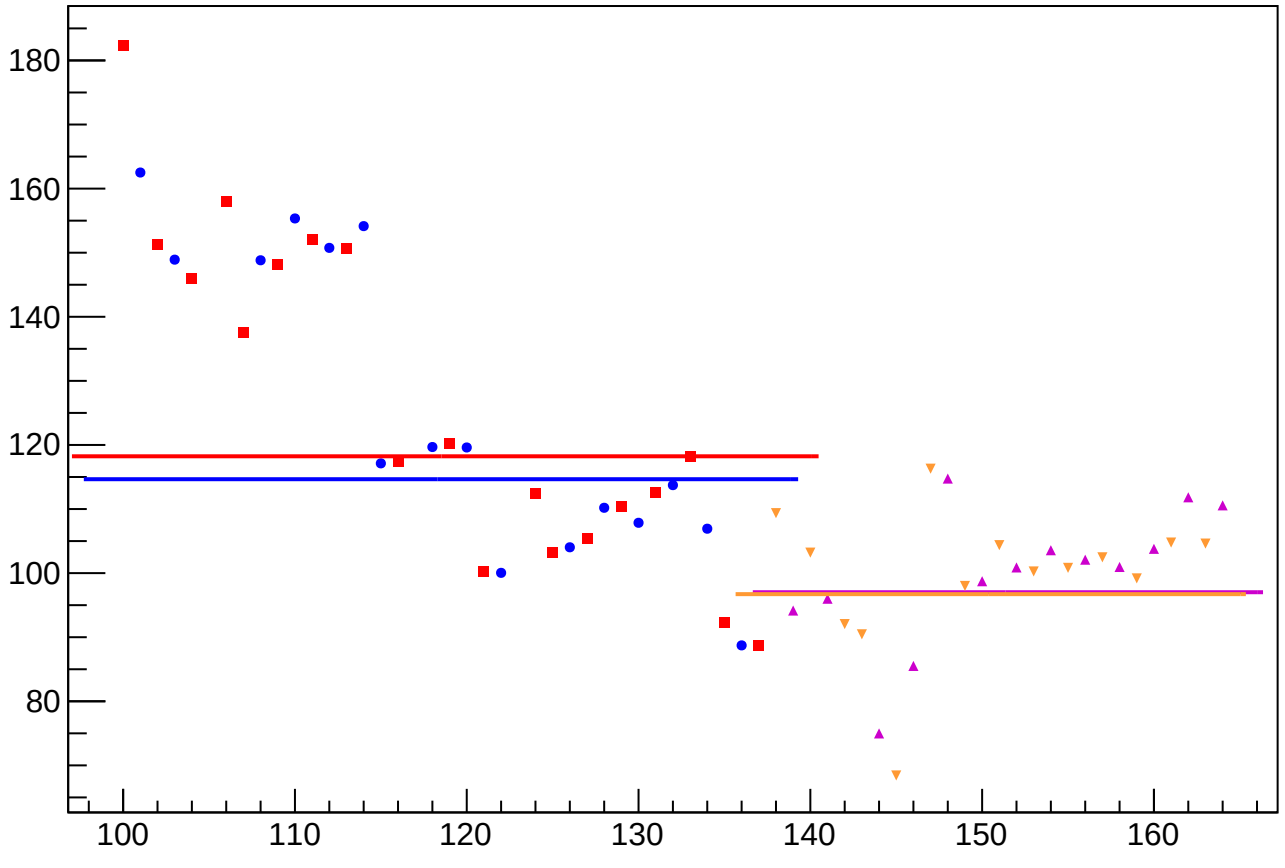
Left: 13.345+/-20.839 χ^2/NDF: 30.8/26

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 30.695+/-24.551 χ^2/NDF:25.3/28

Out: 19.774+/-24.342 χ^2/NDF:36.7/32

All: 25.188+/-17.286 χ^2/NDF: 62.1/61



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 96.720+/-0.021 χ^2/NDF:398019.7/13

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 97.020+/-0.021 χ^2/NDF:290393.8/12

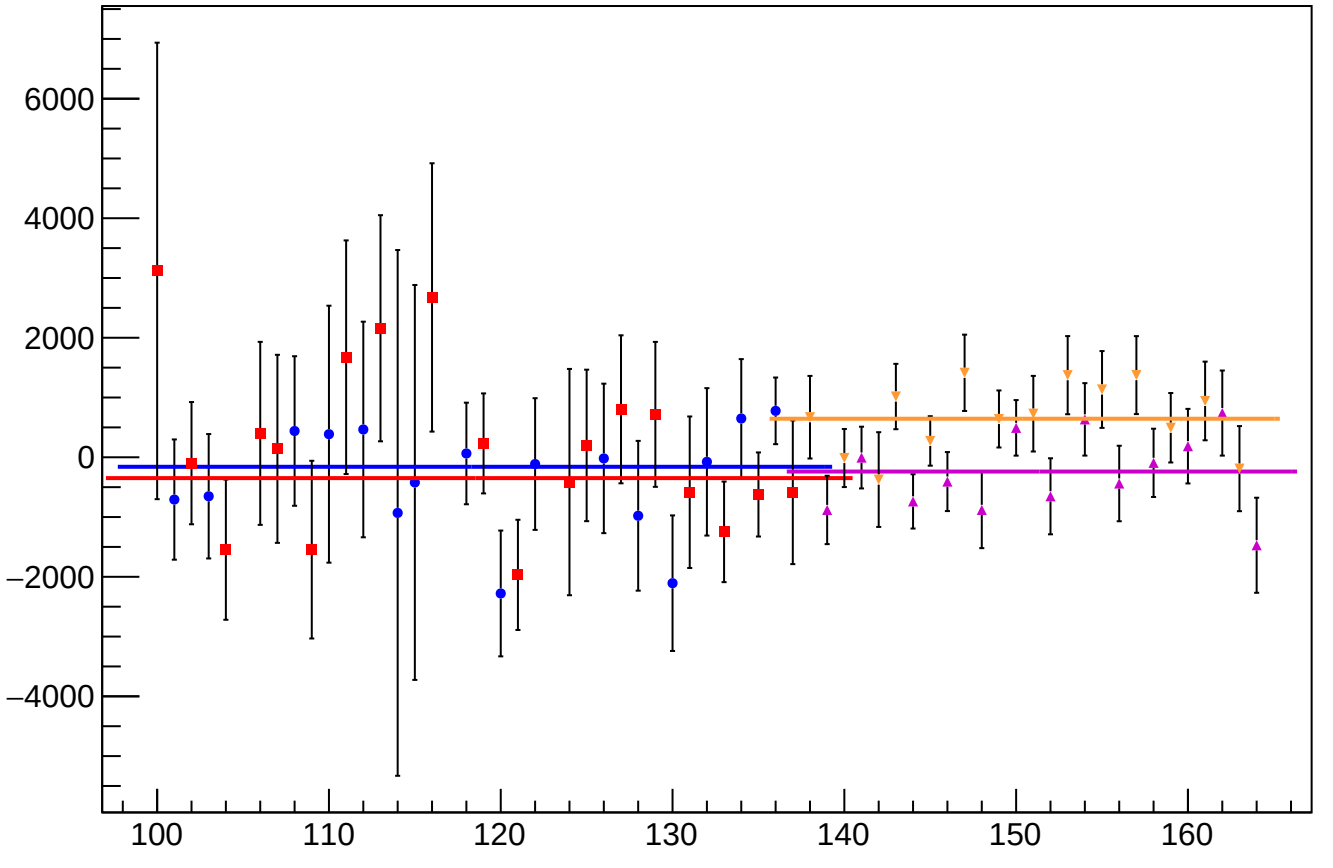
Left: 96.867+/-0.015 χ^2/NDF: 688517.2/26

Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 102.635+/-0.017 χ^2/NDF:1046294.7/28

Out: 103.293+/-0.017 χ^2/NDF:1212827.4/32

All: 102.967+/-0.012 χ^2/NDF: 2259847.3/61



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 645.022+/-156.558 χ^2/NDF:10.9/13

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -238.793+/-158.691 χ^2/NDF:13.7/12

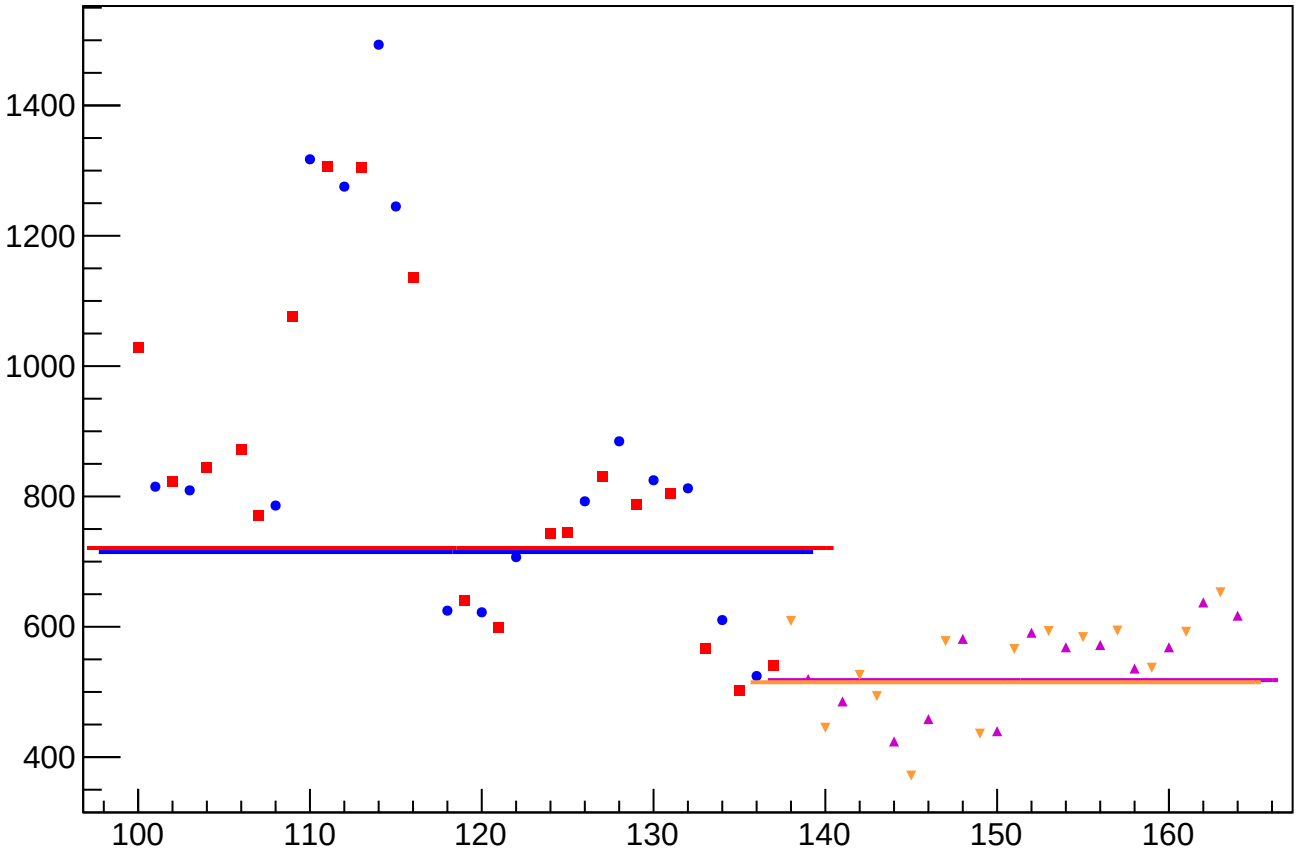
Left: 209.095+/-111.450 χ^2/NDF: 40.3/26

Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -218.840+/-137.392 χ^2/NDF:25.7/28

Out: 399.943+/-135.883 χ^2/NDF:35.2/32

All: 93.968+/-96.613 χ^2/NDF: 71.2/61



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 514.897+/-0.111 χ^2/NDF:595901.6/13

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 518.209+/-0.112 χ^2/NDF:356153.9/12

Left: 516.531+/-0.079 χ^2/NDF: 952497.2/26

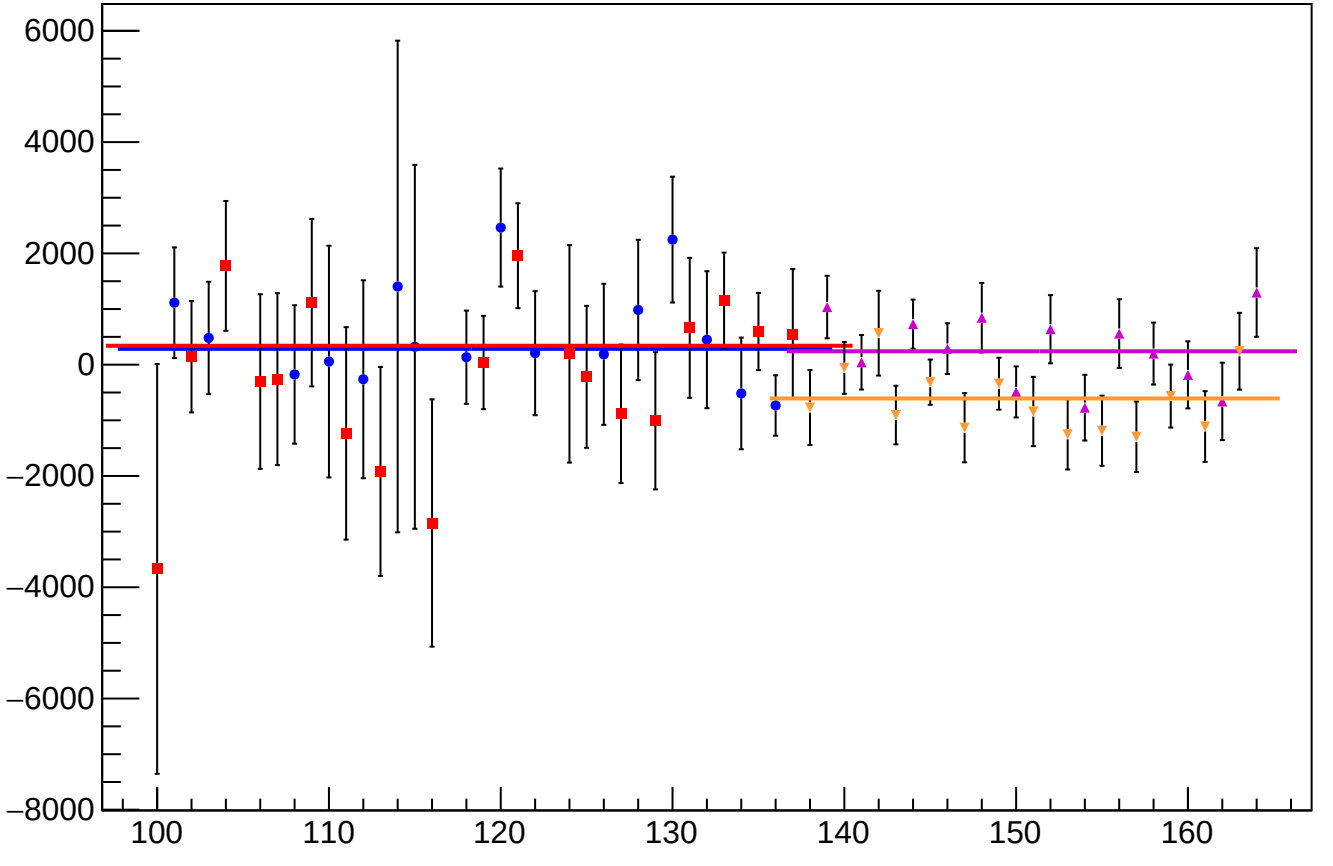
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 567.405+/-0.097 χ^2/NDF:1999936.1/28

Out: 565.708+/-0.096 χ^2/NDF:2468377.8/32

All: 566.547+/-0.068 χ^2/NDF: 4468468.3/61

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -606.557+/-152.198 χ^2/NDF:11.1/13

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 240.768+/-153.608 χ^2/NDF:14.4/12

Left: -186.802+/-108.115 χ^2/NDF: 40.9/26

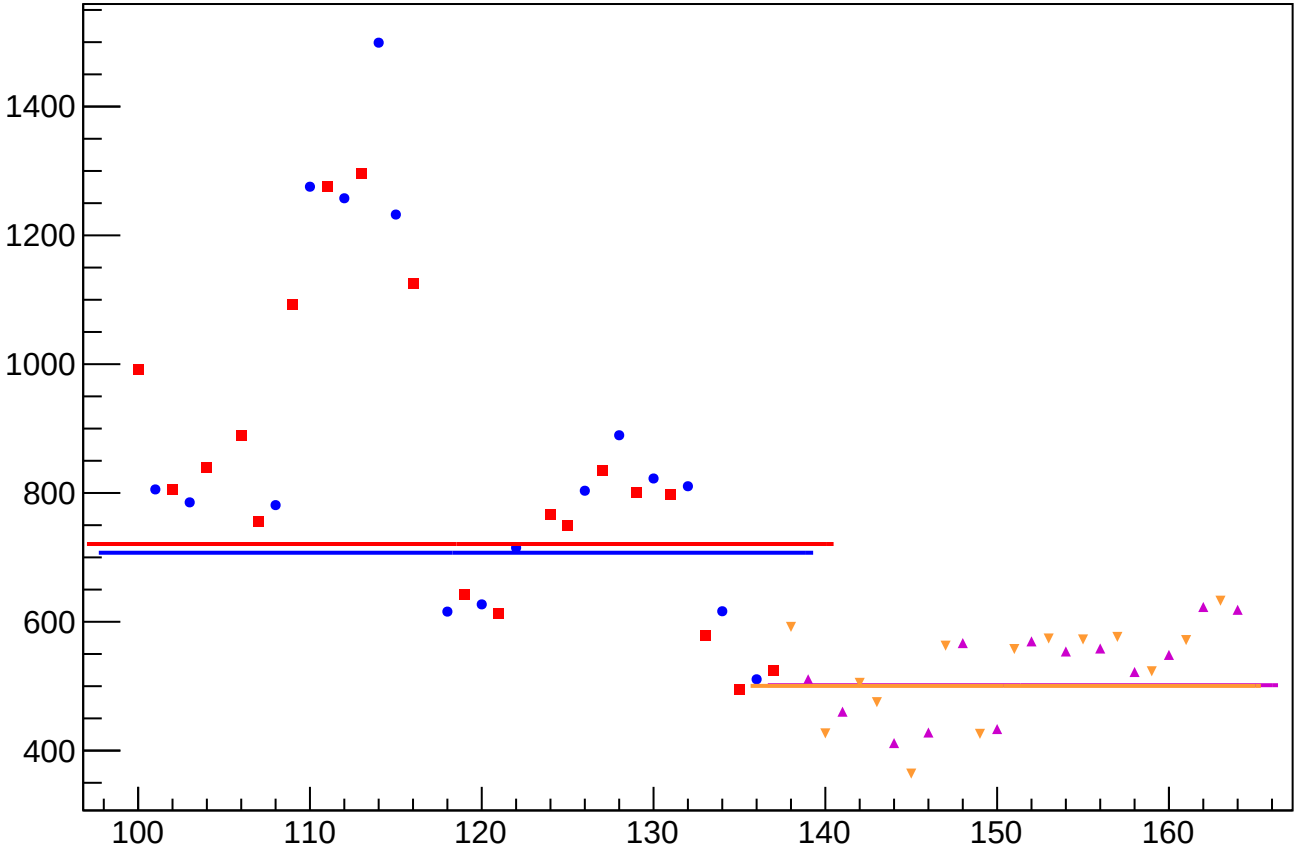
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 251.414+/-133.746 χ^2/NDF:27.3/28

Out: -382.866+/-133.004 χ^2/NDF:34.3/32

All: -67.491+/-94.309 χ^2/NDF: 72.8/61

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 500.481+/-0.108 χ^2/NDF:588391.4/13

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 501.538+/-0.109 χ^2/NDF:391925.2/12

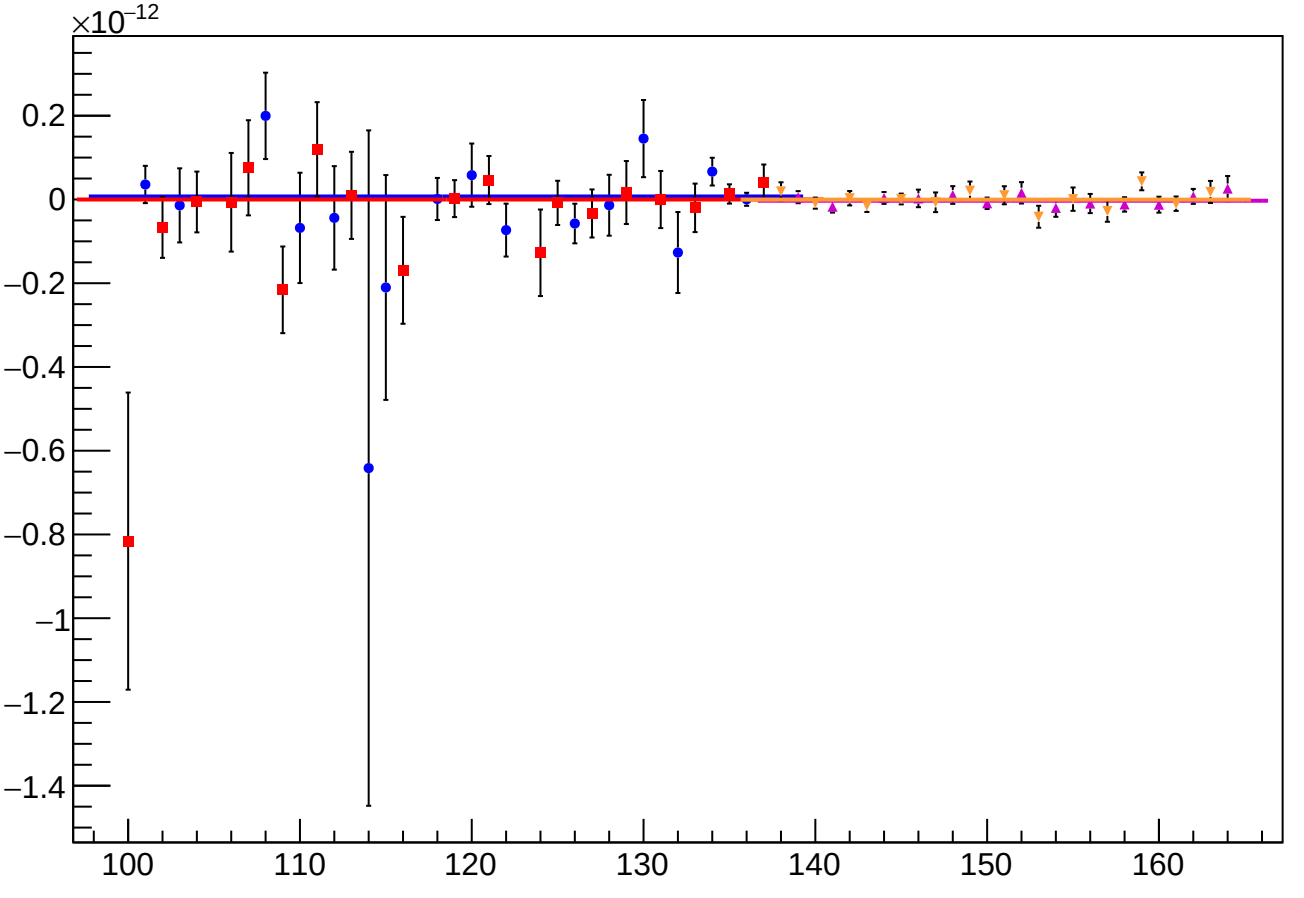
Left: 501.005+/-0.076 χ^2/NDF: 980364.4/26

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 551.286+/-0.095 χ^2/NDF:2155884.7/28

Out: 552.541+/-0.094 χ^2/NDF:2593865.9/32

All: 551.917+/-0.067 χ^2/NDF: 4749839.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/12

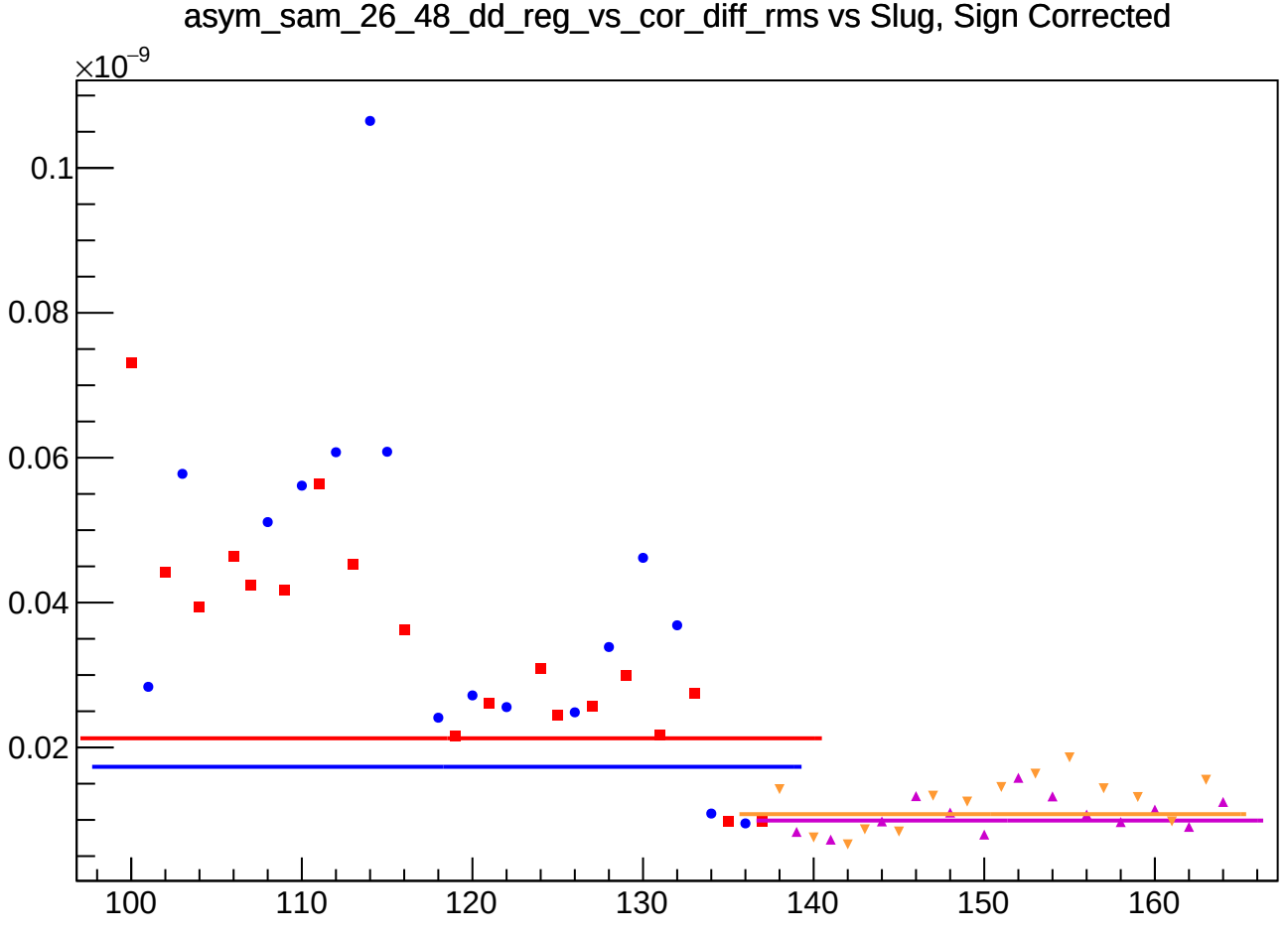
Left: -0.000+/-0.000 χ^2/NDF: 17.4/26

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:23.3/28

Out: -0.000+/-0.000 χ^2/NDF:29.7/32

All: -0.000+/-0.000 χ^2/NDF: 53.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:871809.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:381829.4/12

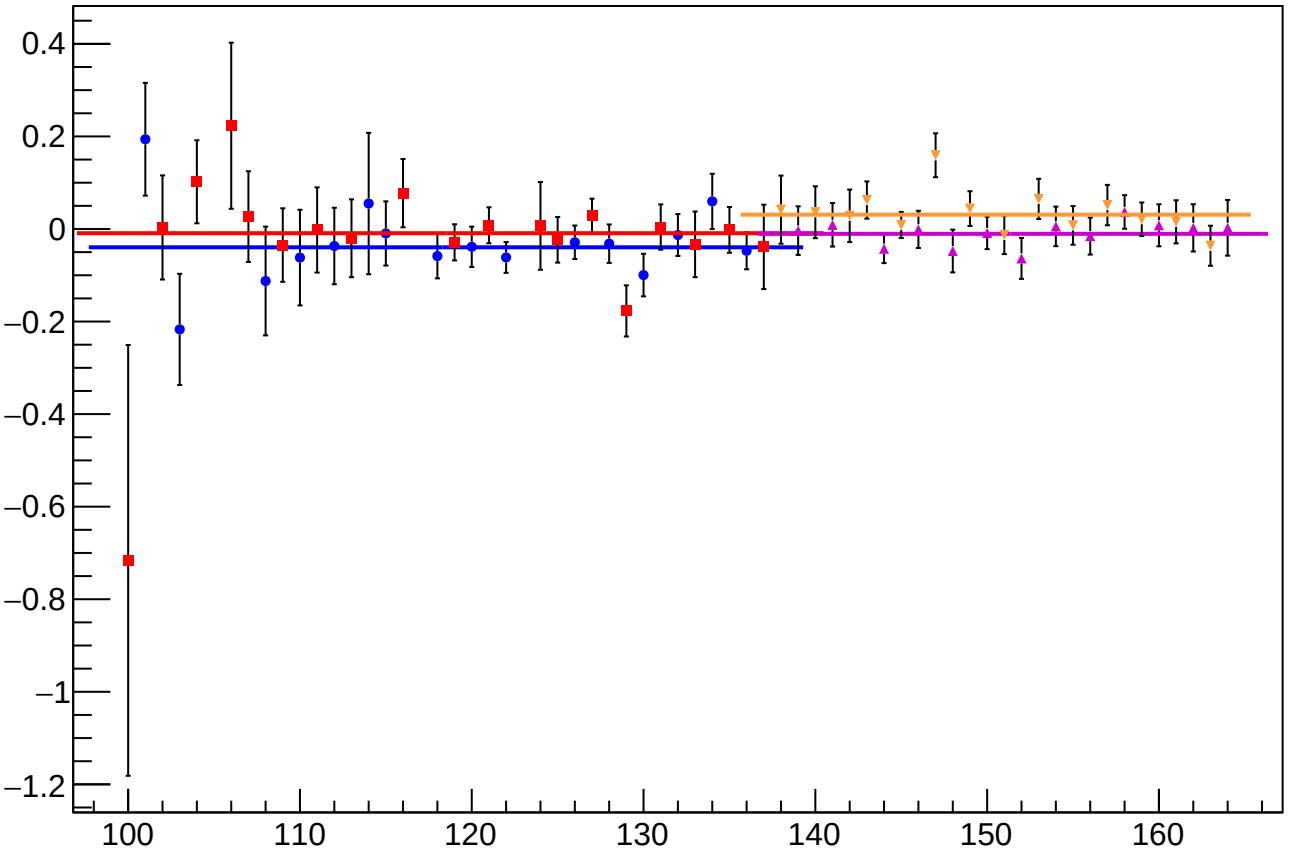
Left: 0.000+/-0.000 χ^2/NDF: 1284575.3/26

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3454883.0/28

Out: 0.000+/-0.000 χ^2/NDF:3610797.6/32

All: 0.000+/-0.000 χ^2/NDF: 7115131.1/61



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/13

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.010+/-0.012 χ^2/NDF:5.5/12

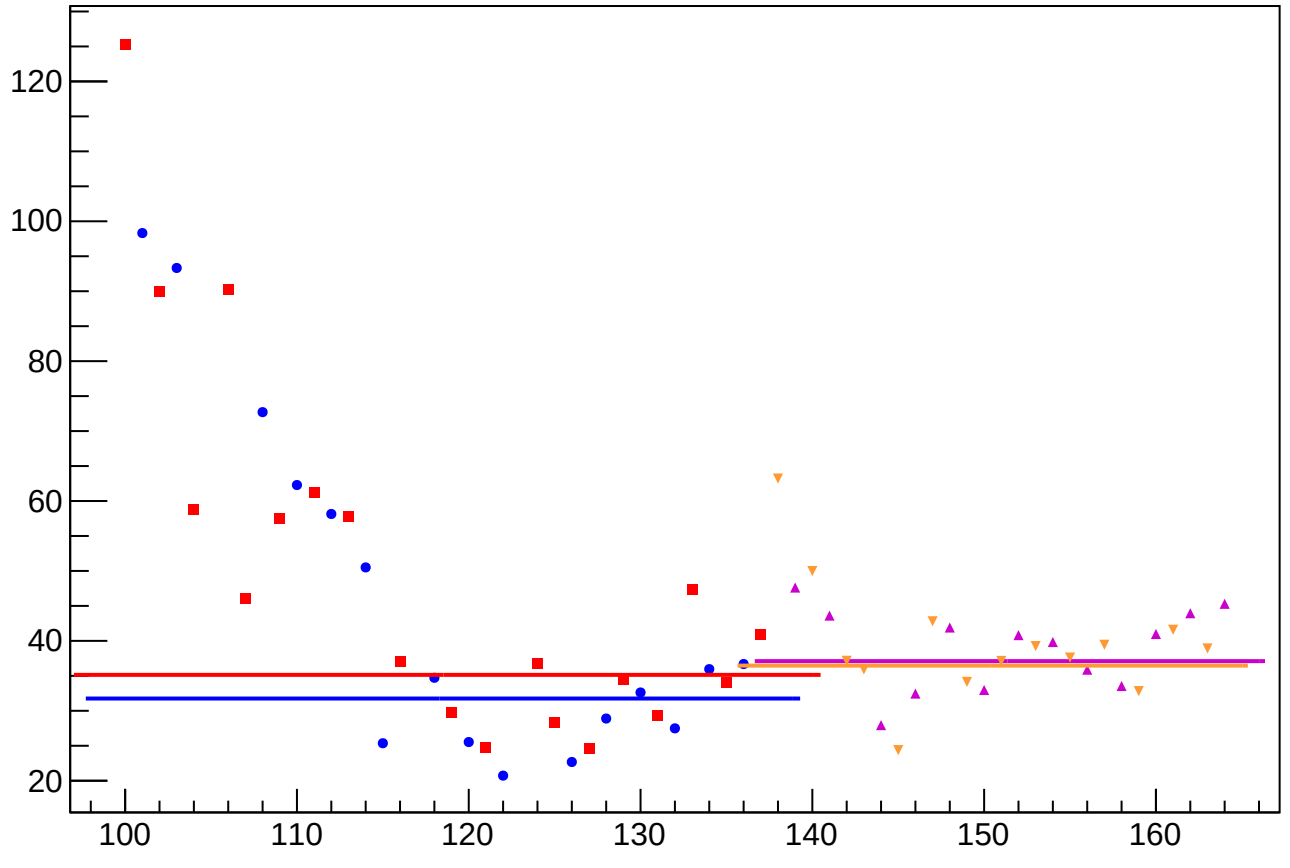
Left: 0.011+/-0.008 χ^2/NDF: 25.6/26

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.023+/-0.009 χ^2/NDF:20.7/28

Out: 0.015+/-0.009 χ^2/NDF:36.7/32

All: -0.004+/-0.006 χ^2/NDF: 67.1/61



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.464+/-0.008 χ^2/NDF:864000.8/13

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.104+/-0.008 χ^2/NDF:499338.7/12

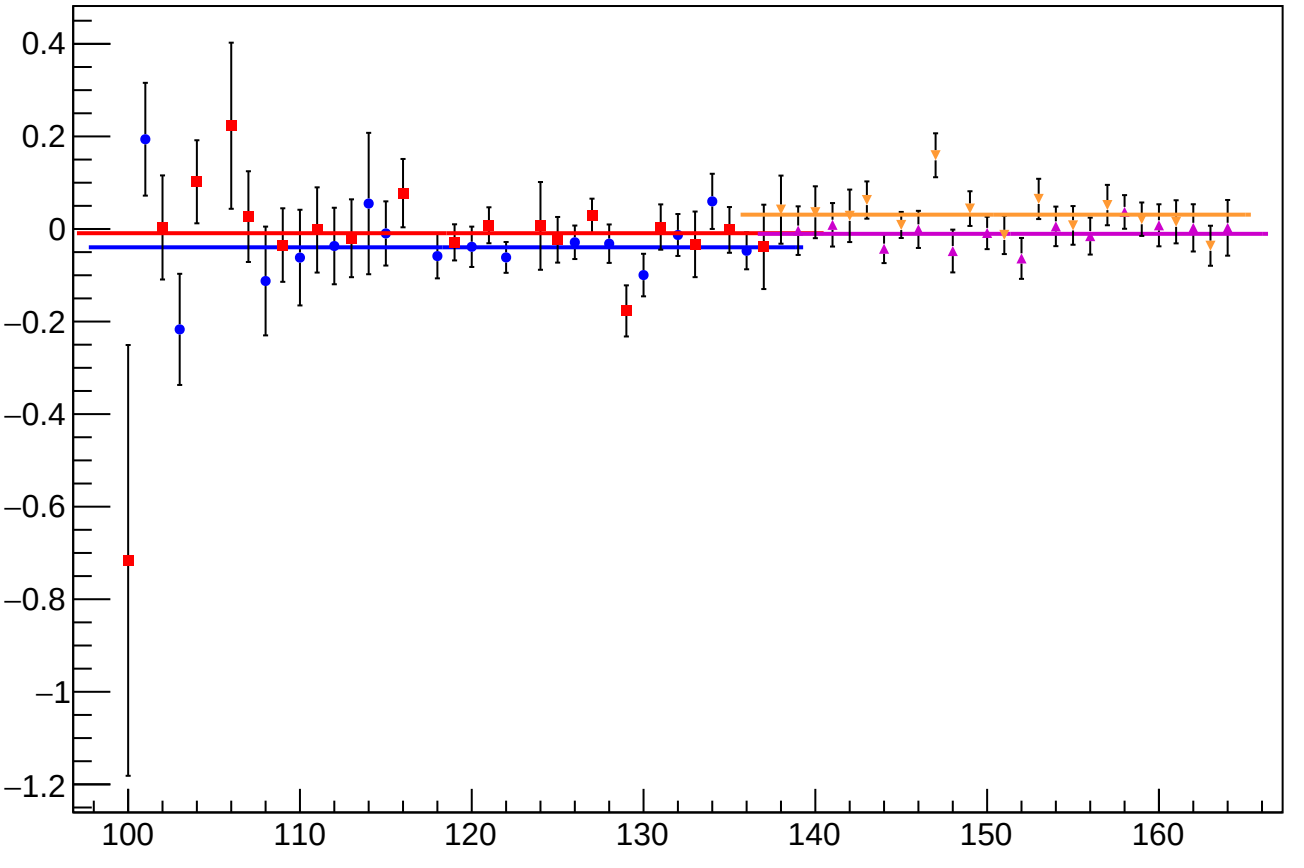
Left: 36.774+/-0.006 χ^2/NDF: 1366438.4/26

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.750+/-0.006 χ^2/NDF:2936656.7/28

Out: 35.949+/-0.006 χ^2/NDF:2719359.6/32

All: 35.342+/-0.004 χ^2/NDF: 5674627.4/61



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/13

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.010+/-0.012 χ^2/NDF:5.5/12

Left: 0.011+/-0.008 χ^2/NDF: 25.6/26

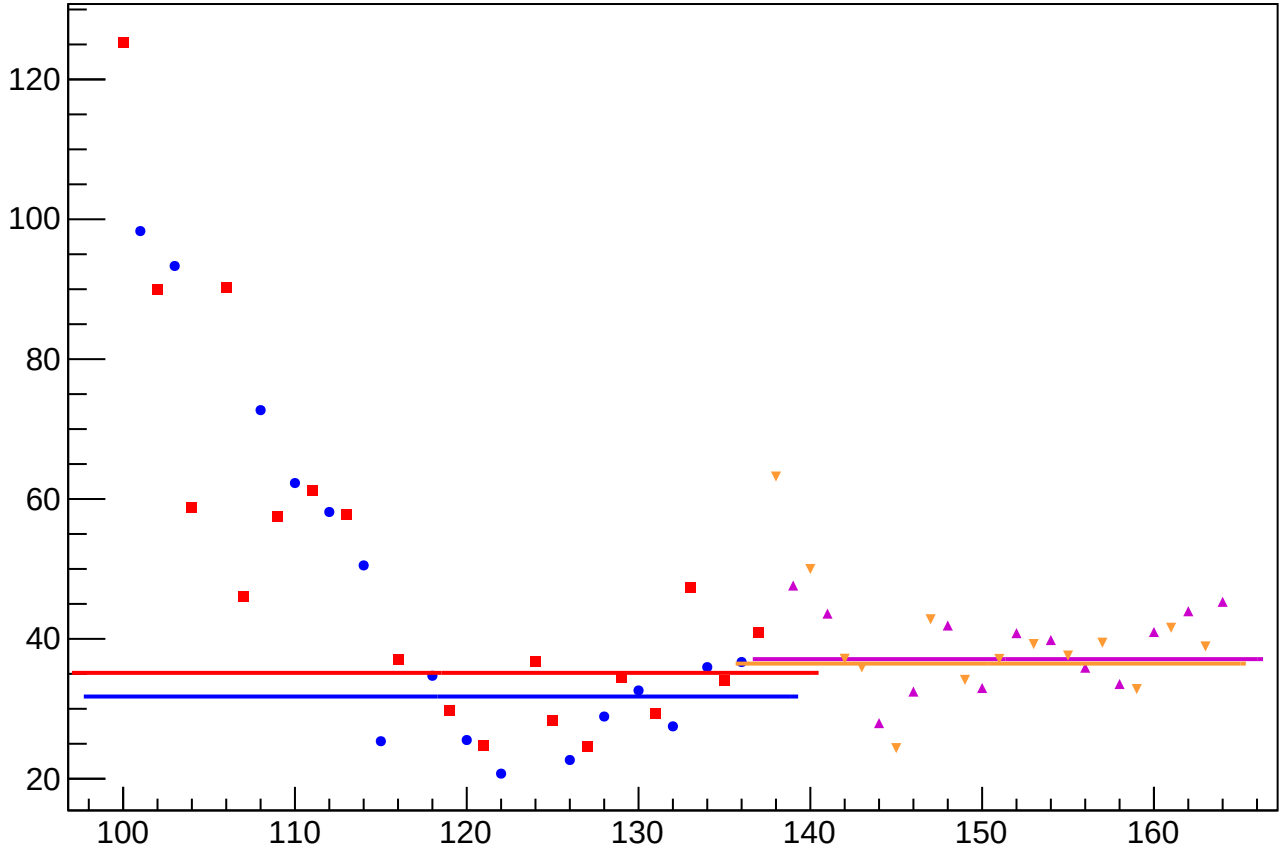
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.023+/-0.009 χ^2/NDF:20.7/28

Out: 0.015+/-0.009 χ^2/NDF:36.7/32

All: -0.004+/-0.006 χ^2/NDF: 67.1/61

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: 36.464+/-0.008 χ^2/NDF:864000.8/13

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 37.104+/-0.008 χ^2/NDF:499338.7/12

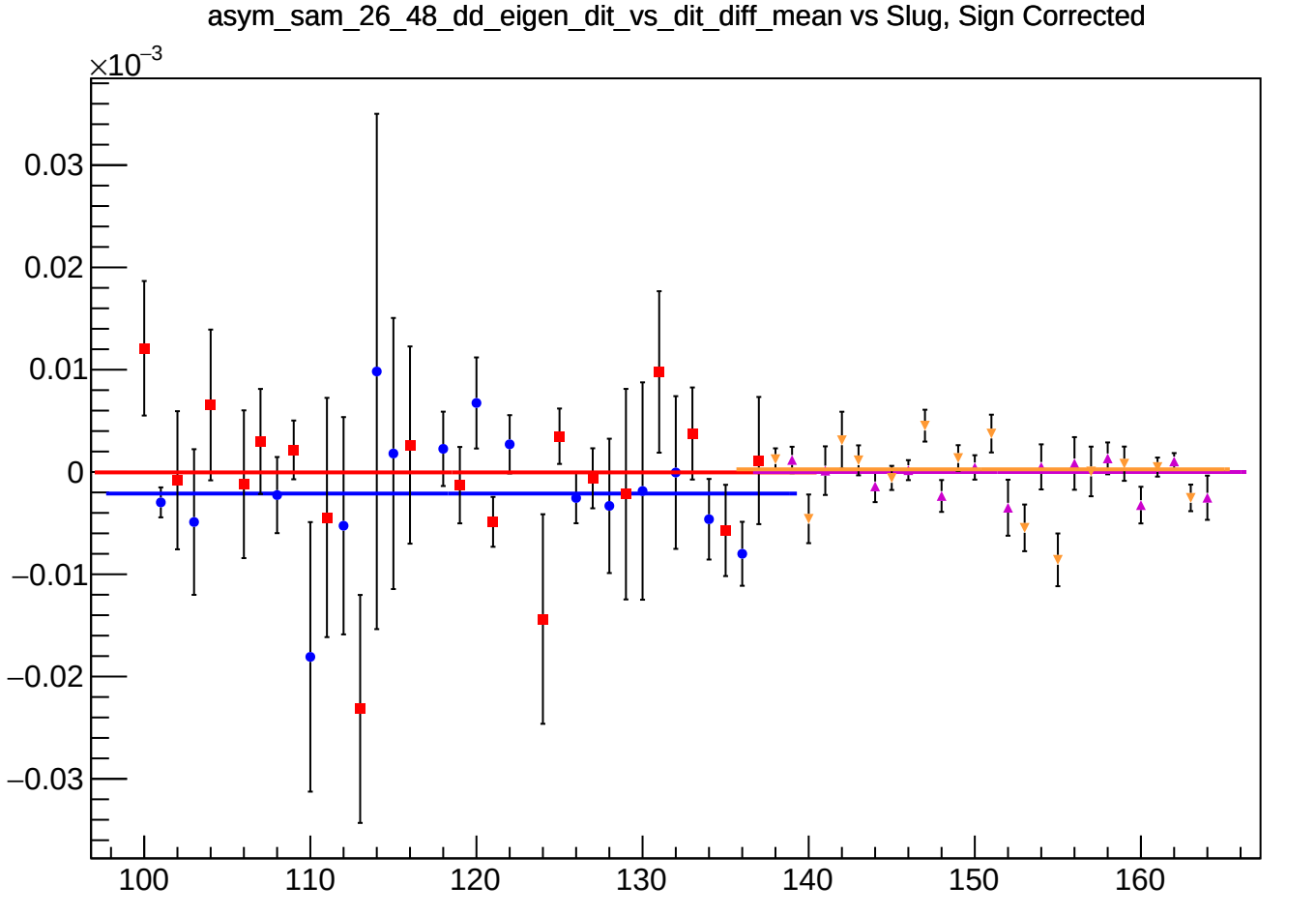
Left: 36.774+/-0.006 χ^2/NDF: 1366438.4/26

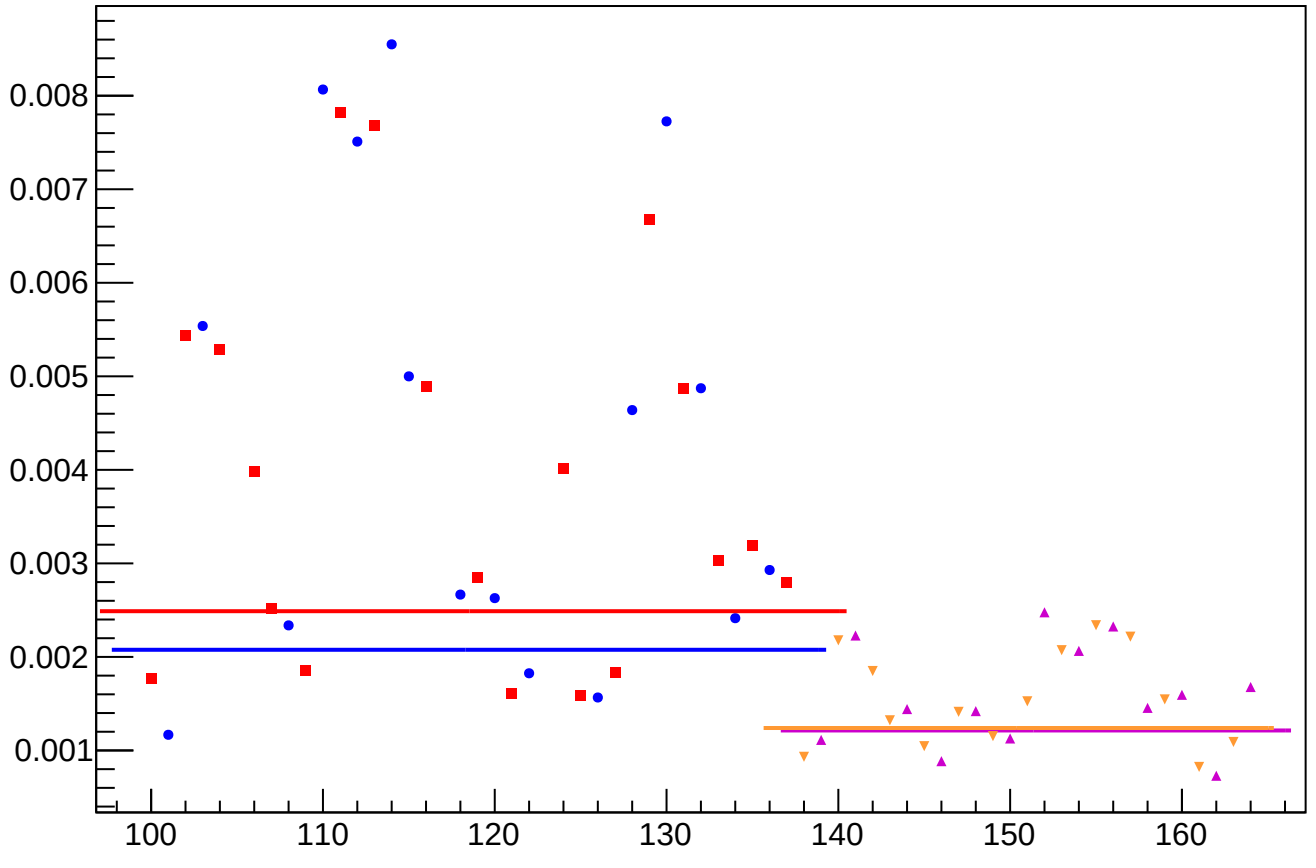
Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.750+/-0.006 χ^2/NDF:2936656.7/28

Out: 35.949+/-0.006 χ^2/NDF:2719359.6/32

All: 35.342+/-0.004 χ^2/NDF: 5674627.4/61


asym_sam_26_48_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
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 14.7/15
Left Out: 0.000+/-0.000 χ²/NDF:41.6/13
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:12.8/12
Left: 0.000+/-0.000 χ²/NDF: 54.7/26
Right: -0.000+/-0.000 χ²/NDF: 38.4/34
In: -0.000+/-0.000 χ²/NDF:32.1/28
Out: 0.000+/-0.000 χ²/NDF:63.1/32
All: -0.000+/-0.000 χ²/NDF: 96.3/61



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2162692.0/13

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:2725418.2/12

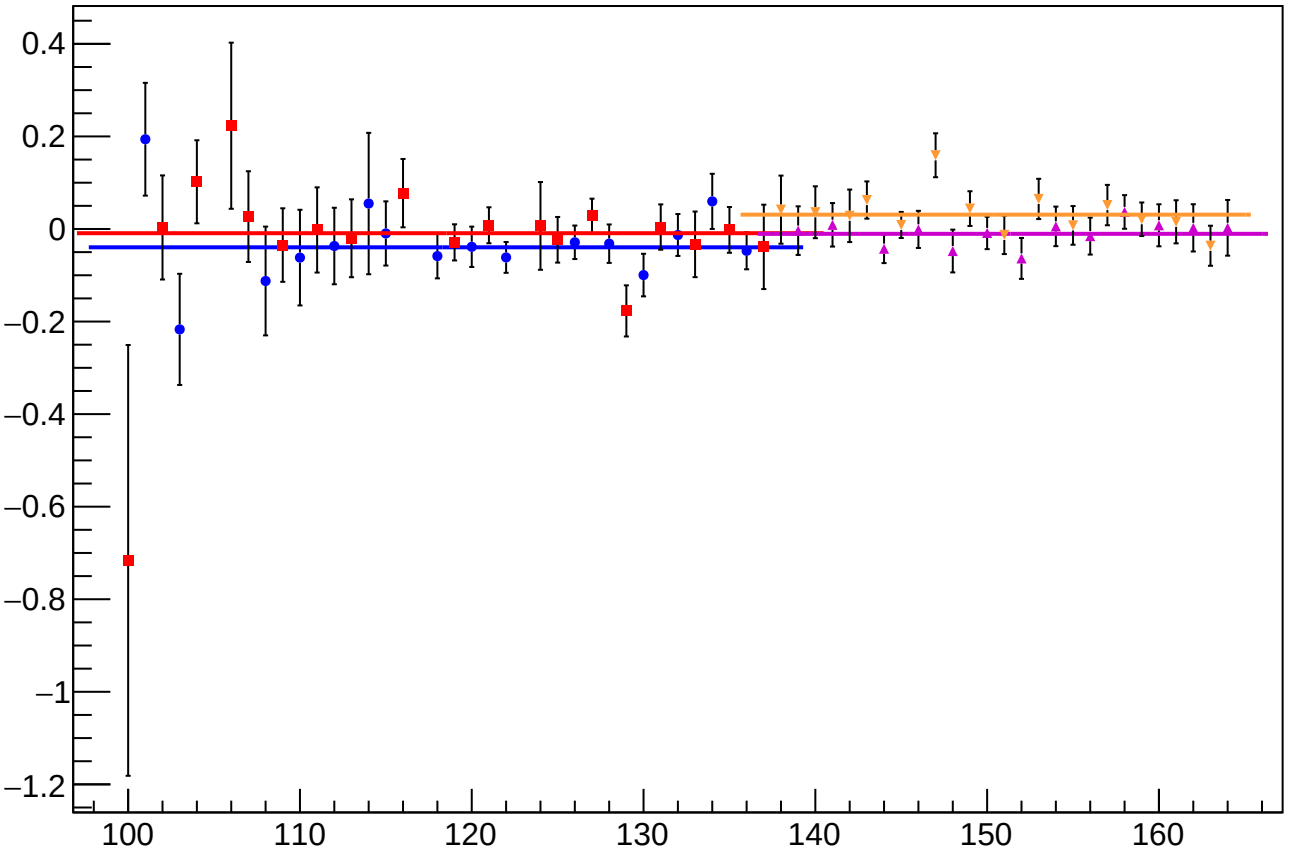
Left: 0.001+/-0.000 χ^2/NDF: 4892472.8/26

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:8151911.8/28

Out: 0.001+/-0.000 χ^2/NDF:7762334.6/32

All: 0.001+/-0.000 χ^2/NDF: 15929773.1/61



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/13

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.010+/-0.012 χ^2/NDF:5.5/12

Left: 0.011+/-0.008 χ^2/NDF: 25.6/26

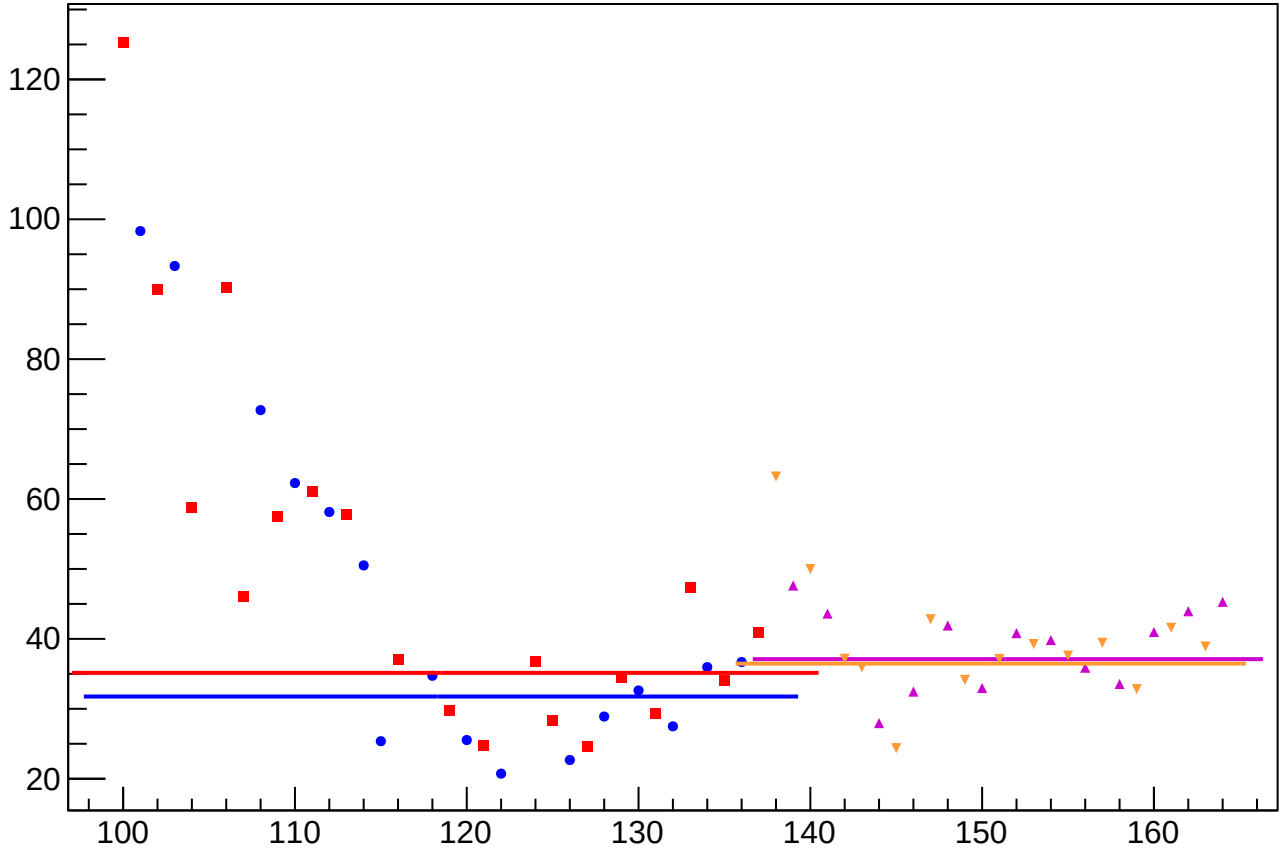
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.023+/-0.009 χ^2/NDF:20.7/28

Out: 0.015+/-0.009 χ^2/NDF:36.7/32

All: -0.004+/-0.006 χ^2/NDF: 67.1/61

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: 36.464+/-0.008 χ^2/NDF:864027.1/13

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.104+/-0.008 χ^2/NDF:499338.2/12

Left: 36.774+/-0.006 χ^2/NDF: 1366465.3/26

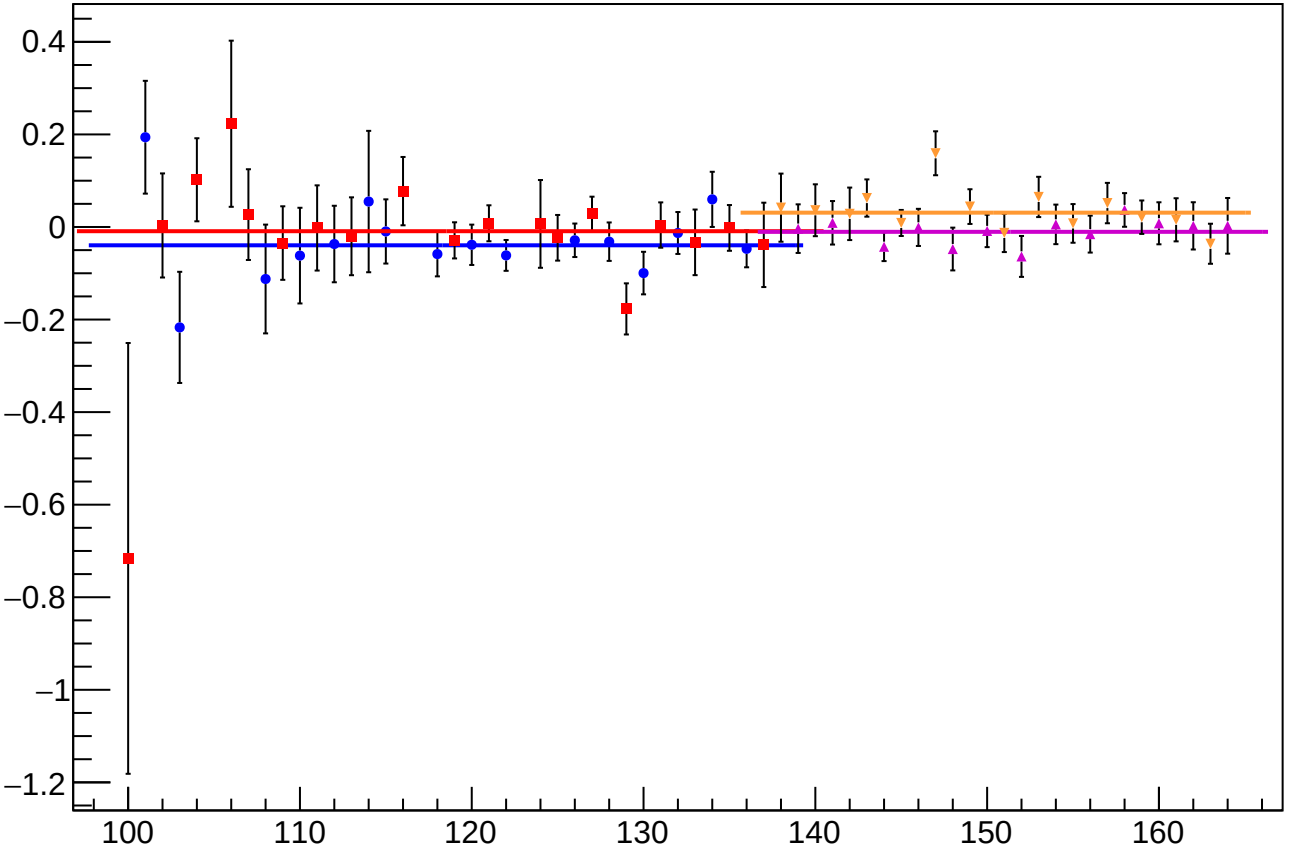
Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.750+/-0.006 χ^2/NDF:2936615.0/28

Out: 35.949+/-0.006 χ^2/NDF:2719275.5/32

All: 35.342+/-0.004 χ^2/NDF: 5674500.3/61

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/13

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.010+/-0.012 χ^2/NDF:5.5/12

Left: 0.011+/-0.008 χ^2/NDF: 25.6/26

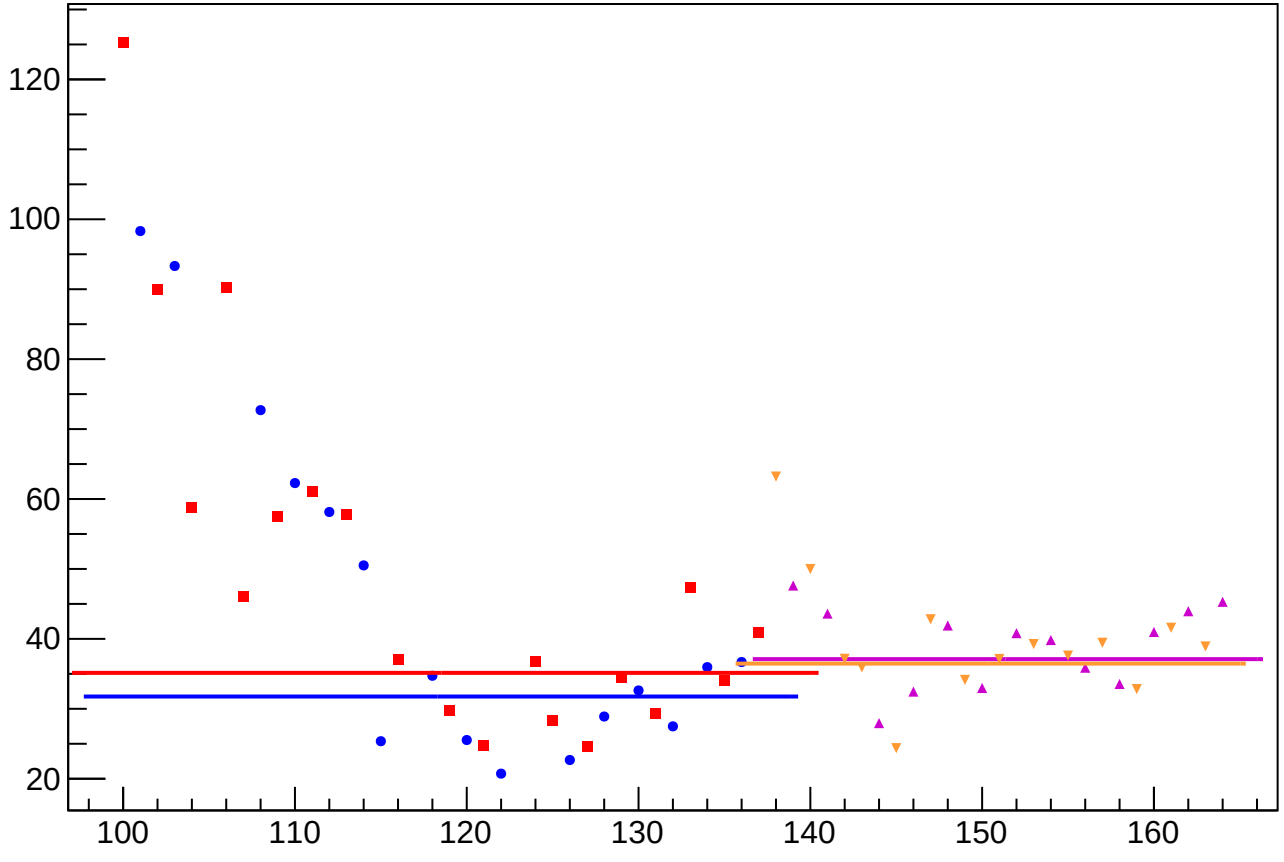
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.023+/-0.009 χ^2/NDF:20.7/28

Out: 0.015+/-0.009 χ^2/NDF:36.7/32

All: -0.004+/-0.006 χ^2/NDF: 67.1/61

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: 36.464+/-0.008 χ^2/NDF:864027.1/13

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 37.104+/-0.008 χ^2/NDF:499338.2/12

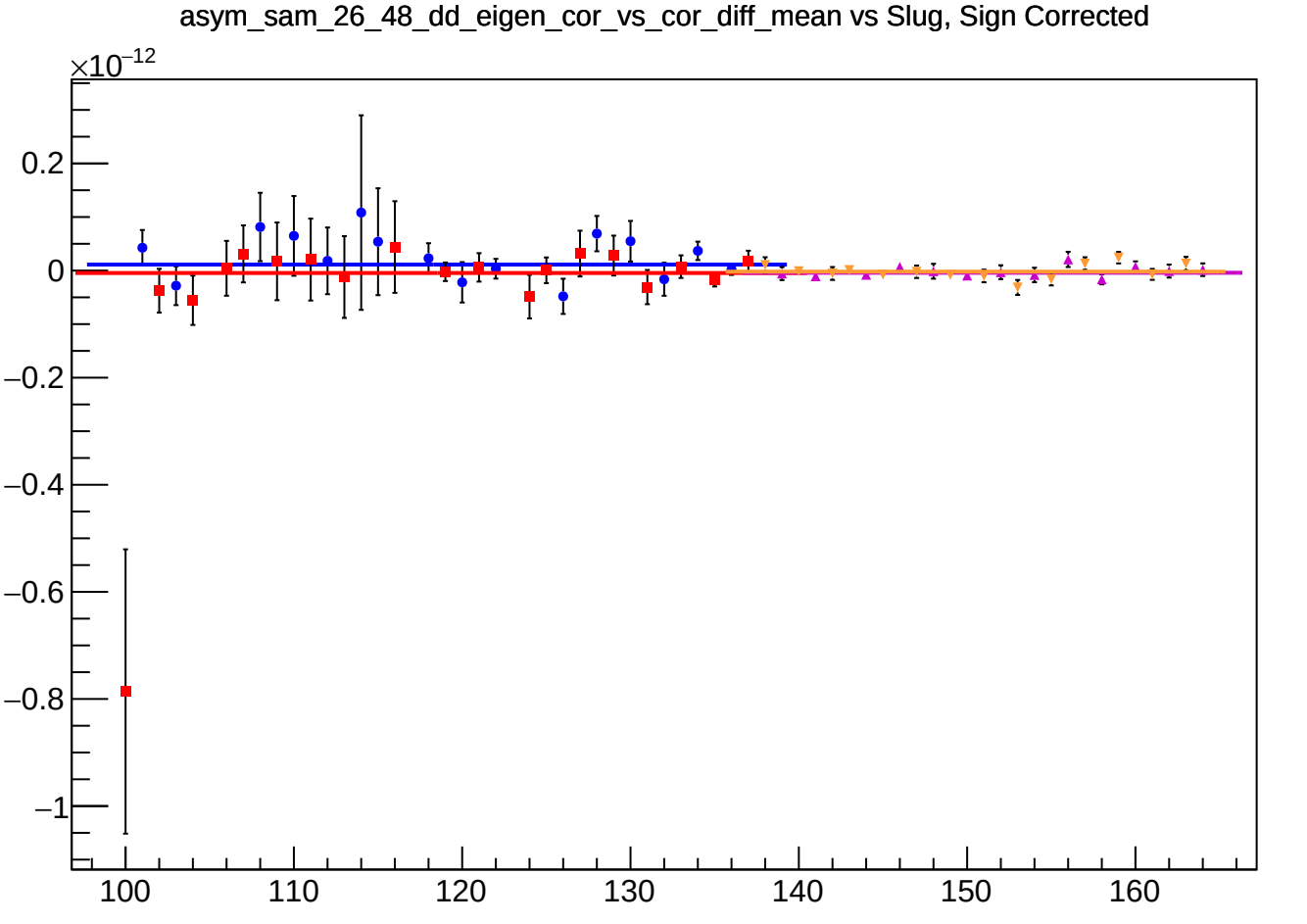
Left: 36.774+/-0.006 χ^2/NDF: 1366465.3/26

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.750+/-0.006 χ^2/NDF:2936615.0/28

Out: 35.949+/-0.006 χ^2/NDF:2719275.5/32

All: 35.342+/-0.004 χ^2/NDF: 5674500.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/12

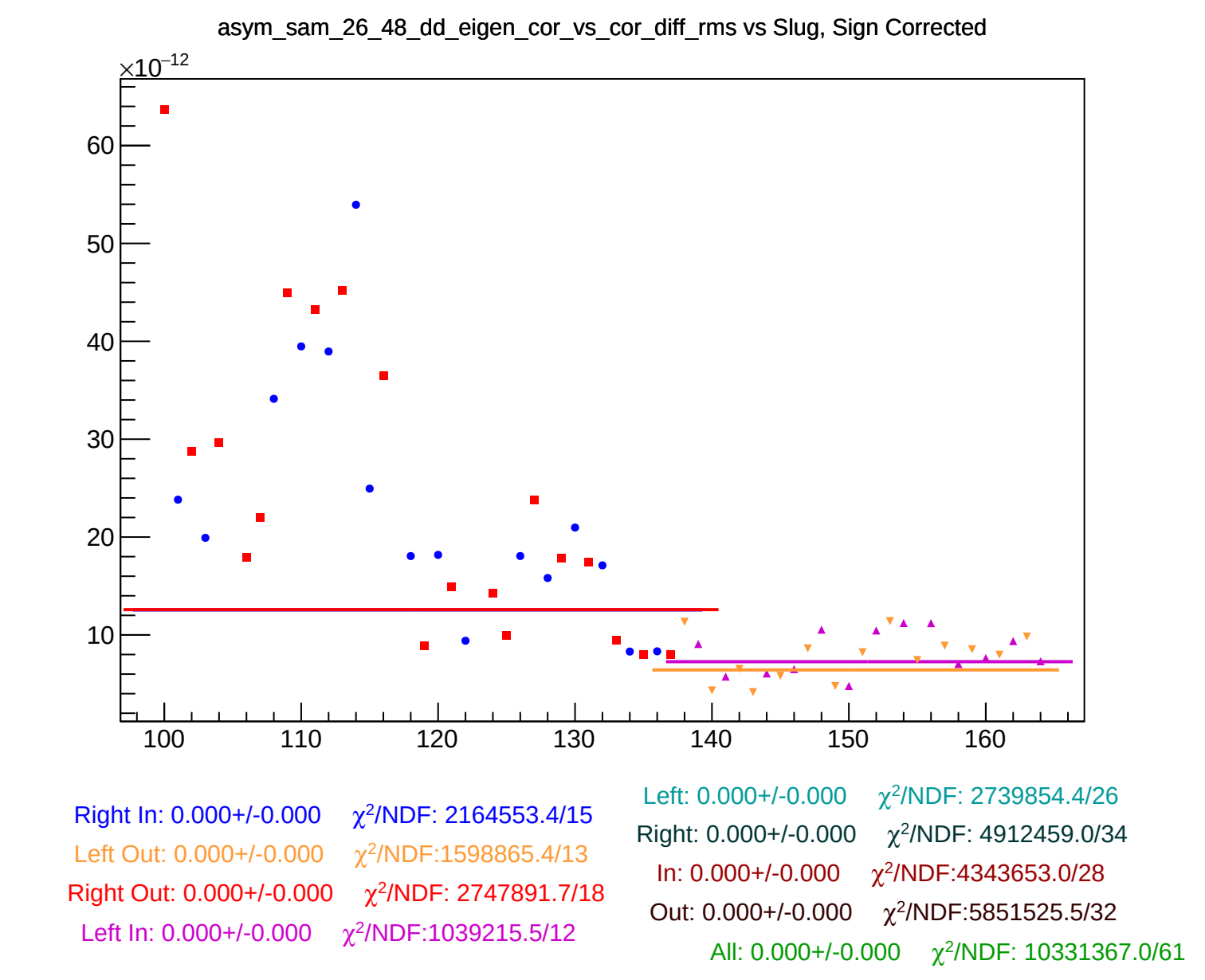
Left: -0.000+/-0.000 χ^2/NDF: 27.7/26

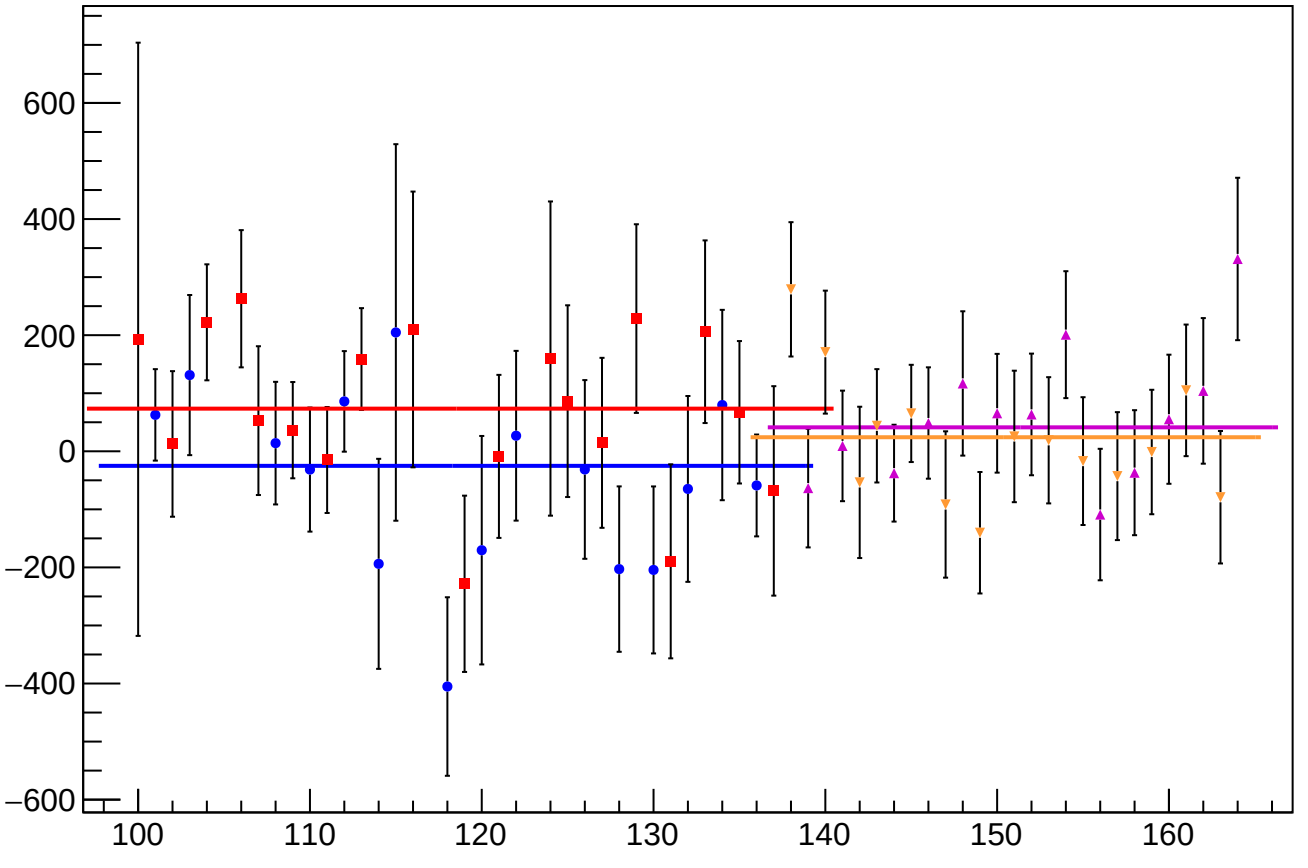
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:31.2/28

Out: -0.000+/-0.000 χ^2/NDF:35.3/32

All: -0.000+/-0.000 χ^2/NDF: 66.6/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1598865.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1039215.5/12
Left: 0.000+/-0.000 χ²/NDF: 2739854.4/26
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4343653.0/28
Out: 0.000+/-0.000 χ²/NDF:5851525.5/32
All: 0.000+/-0.000 χ²/NDF: 10331367.0/61



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 24.205+/-28.941 χ^2/NDF:12.6/13

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 41.258+/-29.443 χ^2/NDF:11.5/12

Left: 32.585+/-20.639 χ^2/NDF: 24.3/26

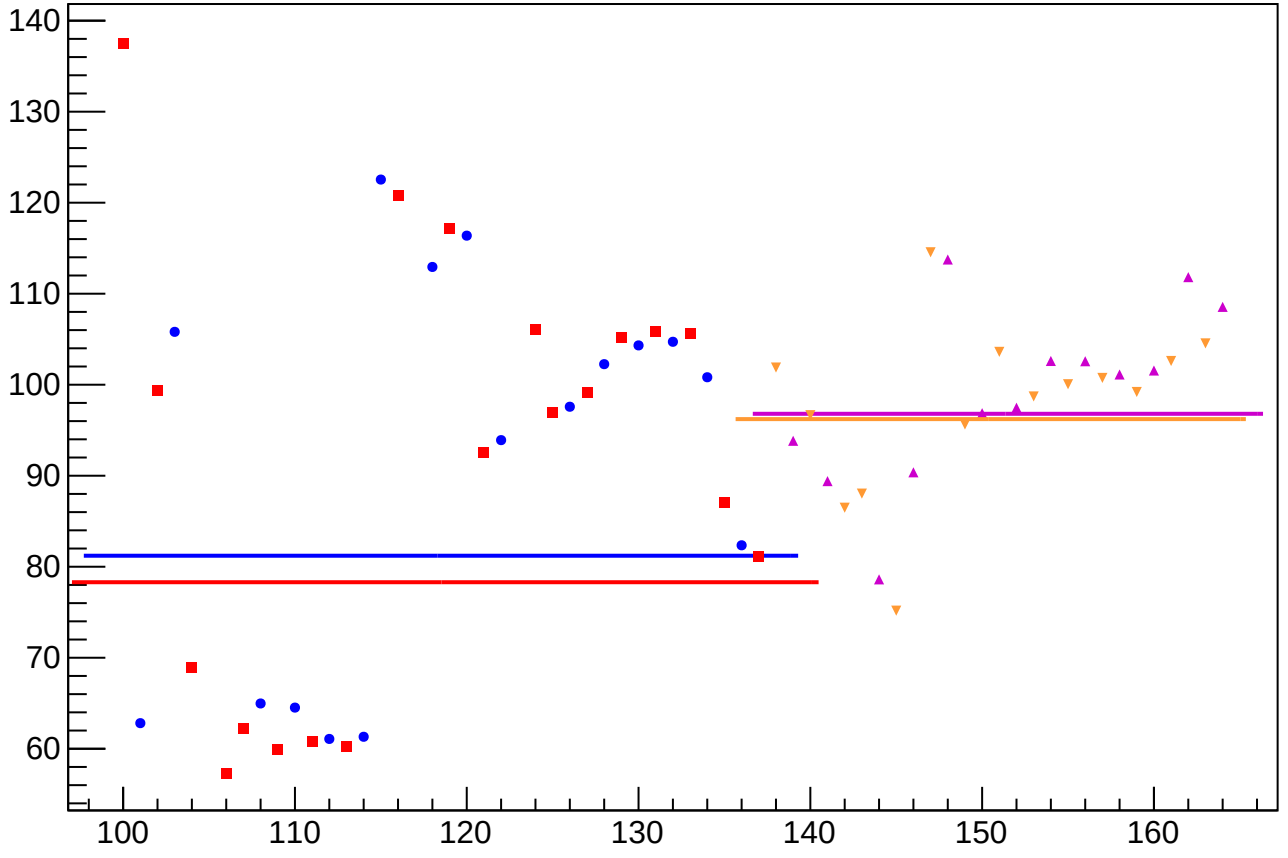
Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 10.045+/-21.423 χ^2/NDF:30.1/28

Out: 48.000+/-20.807 χ^2/NDF:30.8/32

All: 29.576+/-14.926 χ^2/NDF: 62.5/61

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.220+/-0.020 χ^2/NDF:232690.1/13

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 96.805+/-0.021 χ^2/NDF:215697.4/12

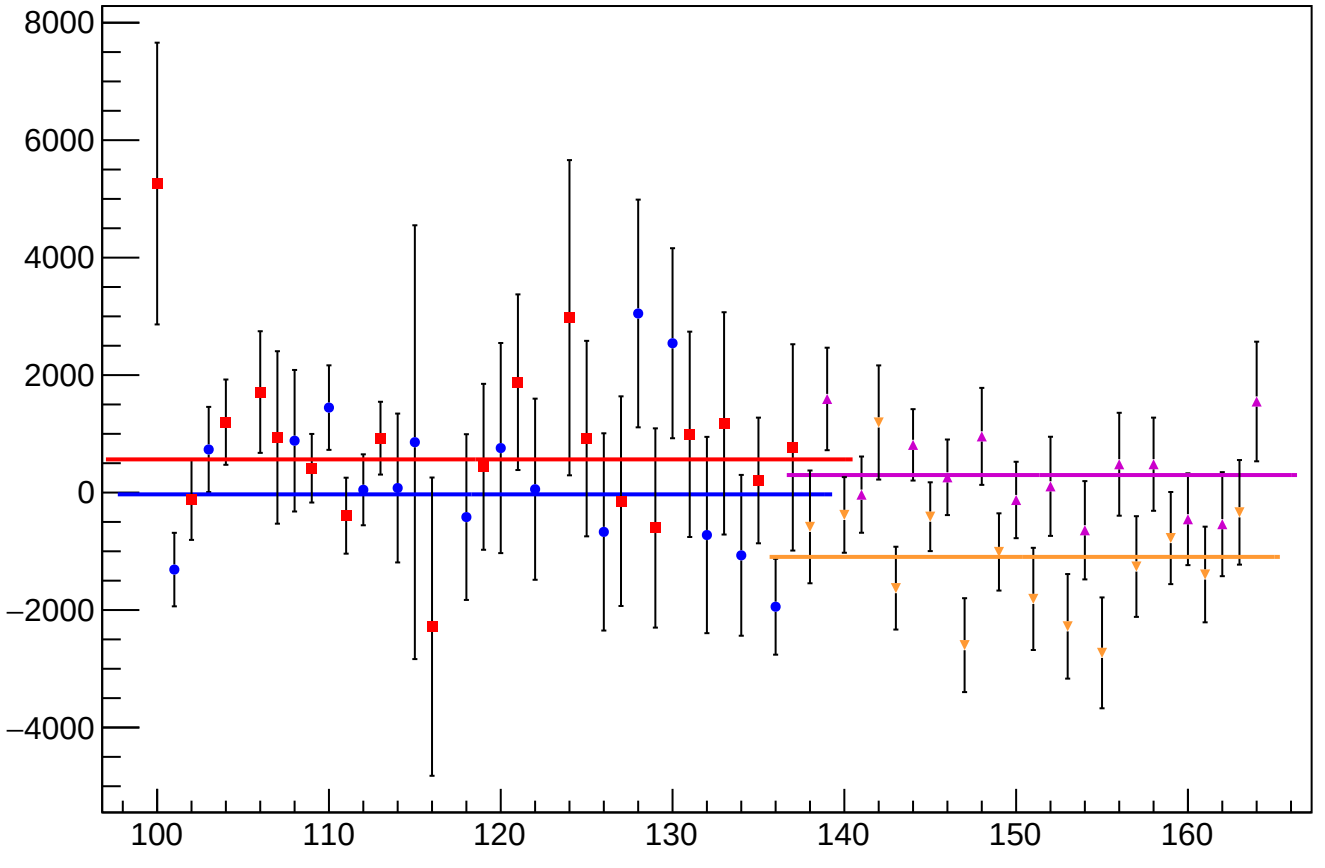
Left: 96.508+/-0.015 χ^2/NDF: 448788.6/26

Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 89.466+/-0.015 χ^2/NDF:1267427.8/28

Out: 87.562+/-0.015 χ^2/NDF:1537924.3/32

All: 88.486+/-0.011 χ^2/NDF: 2813486.8/61



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -1095.245+/-209.333 χ^2/NDF:19.0/13

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 298.426+/-212.052 χ^2/NDF:9.0/12

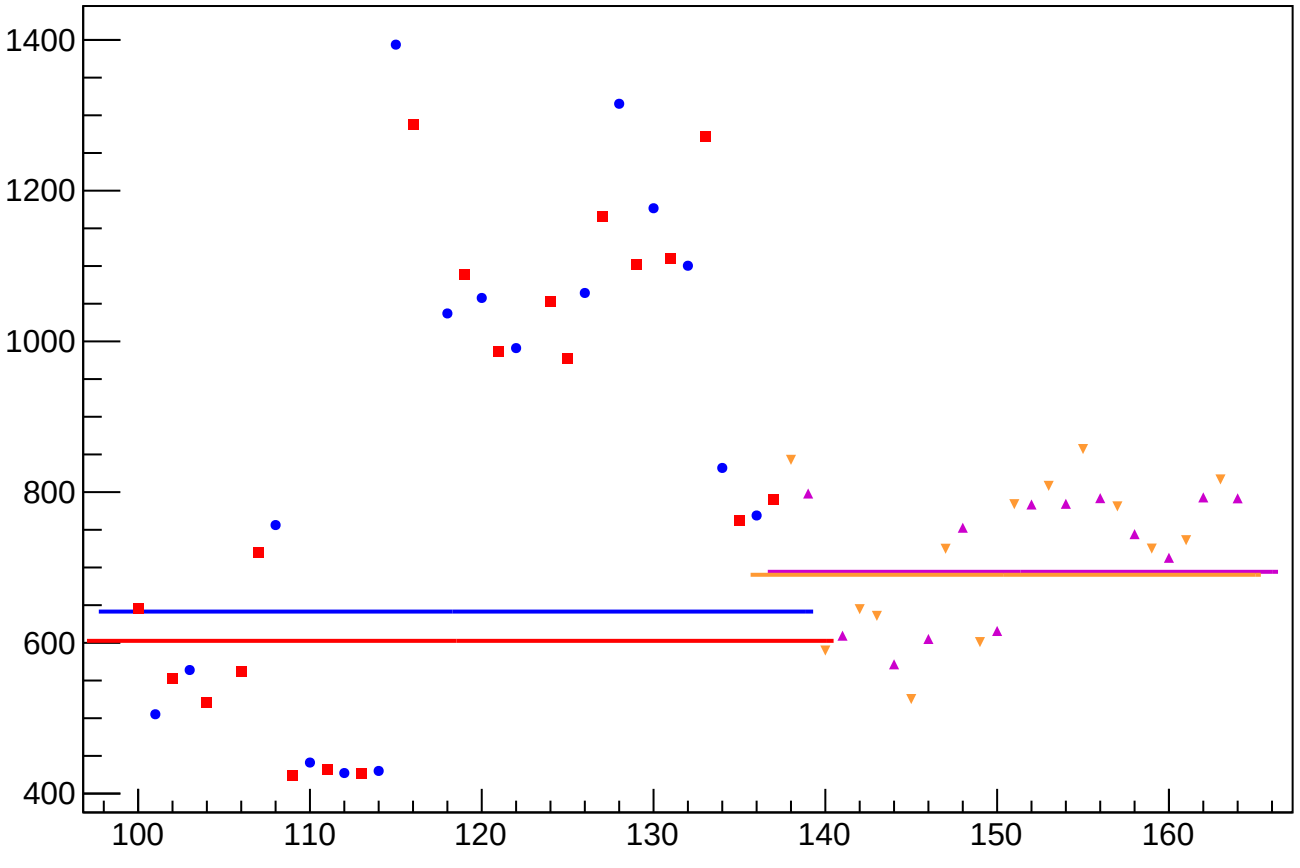
Left: -407.401+/-148.973 χ^2/NDF: 49.9/26

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 165.234+/-163.562 χ^2/NDF:31.8/28

Out: -372.816+/-157.326 χ^2/NDF:59.7/32

All: -114.245+/-113.387 χ^2/NDF: 97.2/61



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 690.324+/-0.148 χ^2/NDF:508607.1/13

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 694.266+/-0.150 χ^2/NDF:344333.1/12

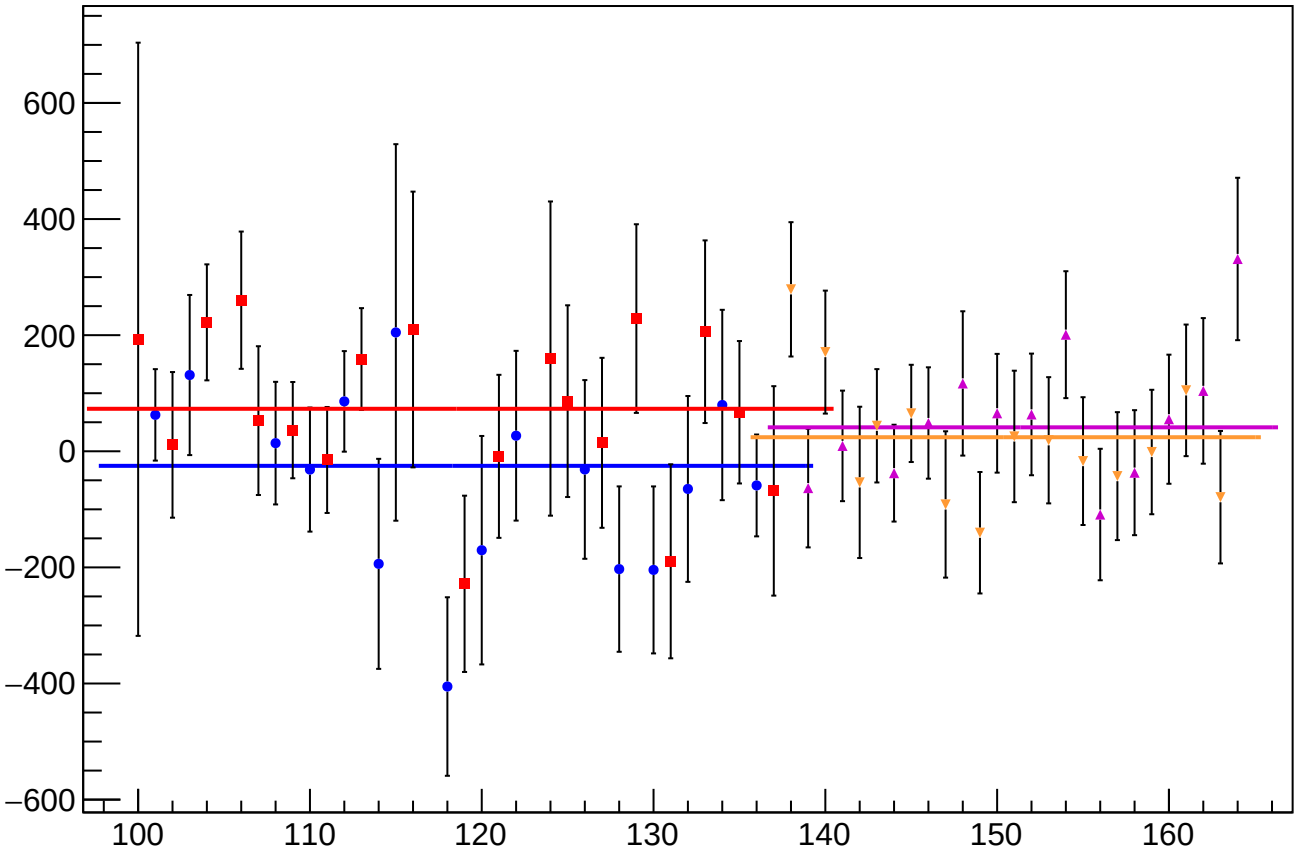
Left: 692.270+/-0.105 χ^2/NDF: 853290.3/26

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 672.893+/-0.116 χ^2/NDF:2269487.8/28

Out: 652.173+/-0.111 χ^2/NDF:2731570.5/32

All: 662.131+/-0.080 χ^2/NDF: 5017729.3/61



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 24.208+/-28.941 χ^2/NDF:12.6/13

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 41.258+/-29.443 χ^2/NDF:11.5/12

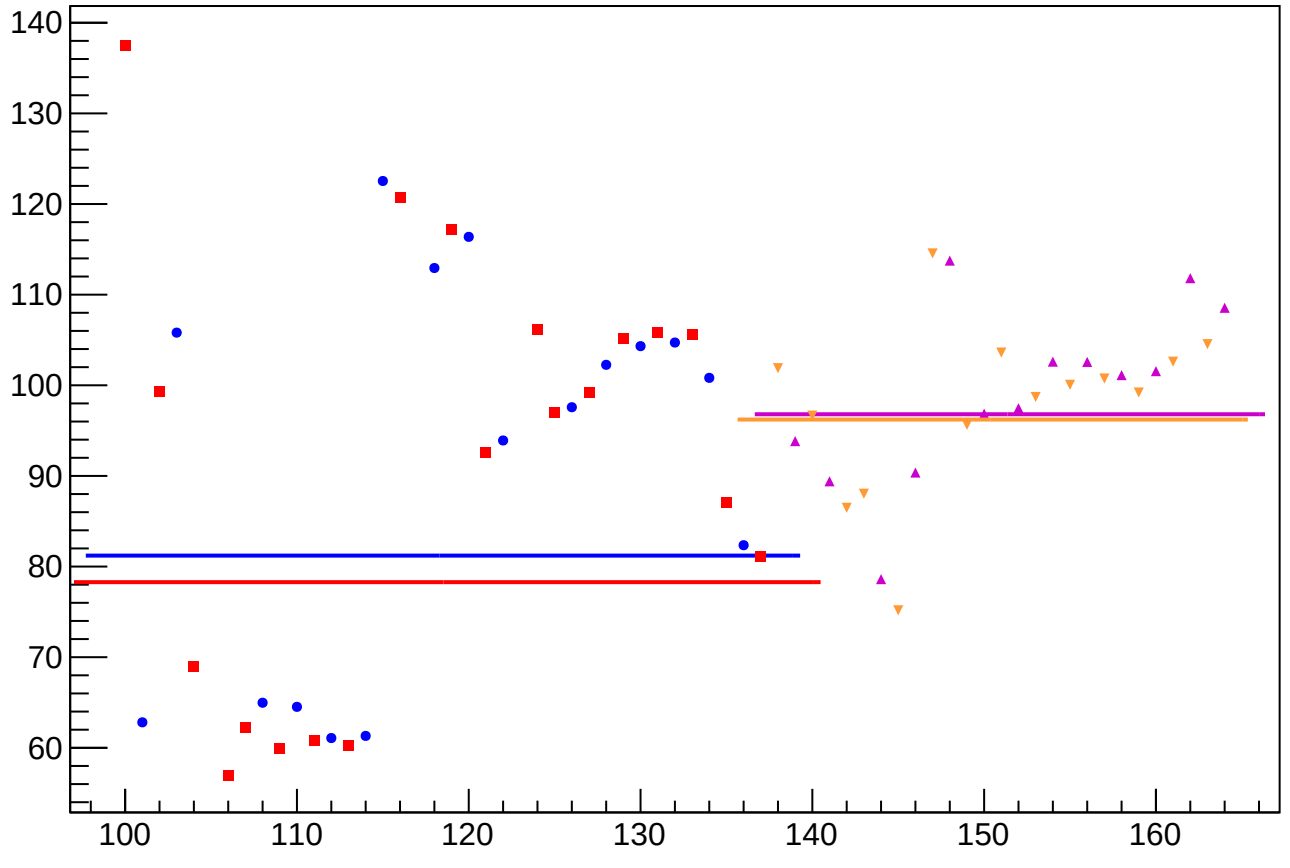
Left: 32.586+/-20.639 χ^2/NDF: 24.3/26

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 10.043+/-21.423 χ^2/NDF:30.1/28

Out: 47.872+/-20.807 χ^2/NDF:30.7/32

All: 29.509+/-14.926 χ^2/NDF: 62.4/61



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.220+/-0.020 χ^2/NDF:232690.1/13

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.805+/-0.021 χ^2/NDF:215697.4/12

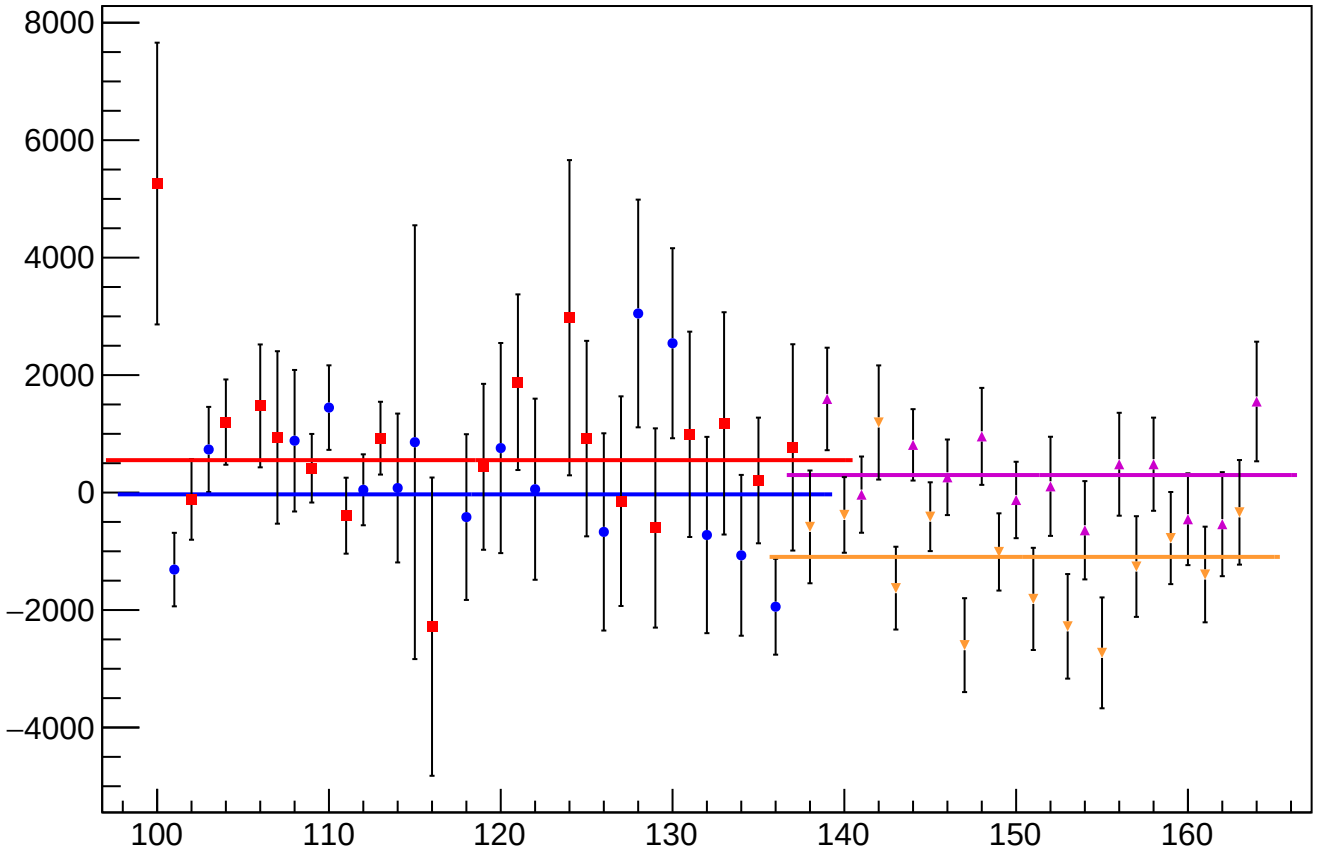
Left: 96.508+/-0.015 χ^2/NDF: 448788.6/26

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 89.466+/-0.015 χ^2/NDF:1267429.5/28

Out: 87.553+/-0.015 χ^2/NDF:1540810.5/32

All: 88.482+/-0.011 χ^2/NDF: 2816447.0/61



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1095.240+/-209.333 χ^2/NDF:19.0/13

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 298.430+/-212.052 χ^2/NDF:9.0/12

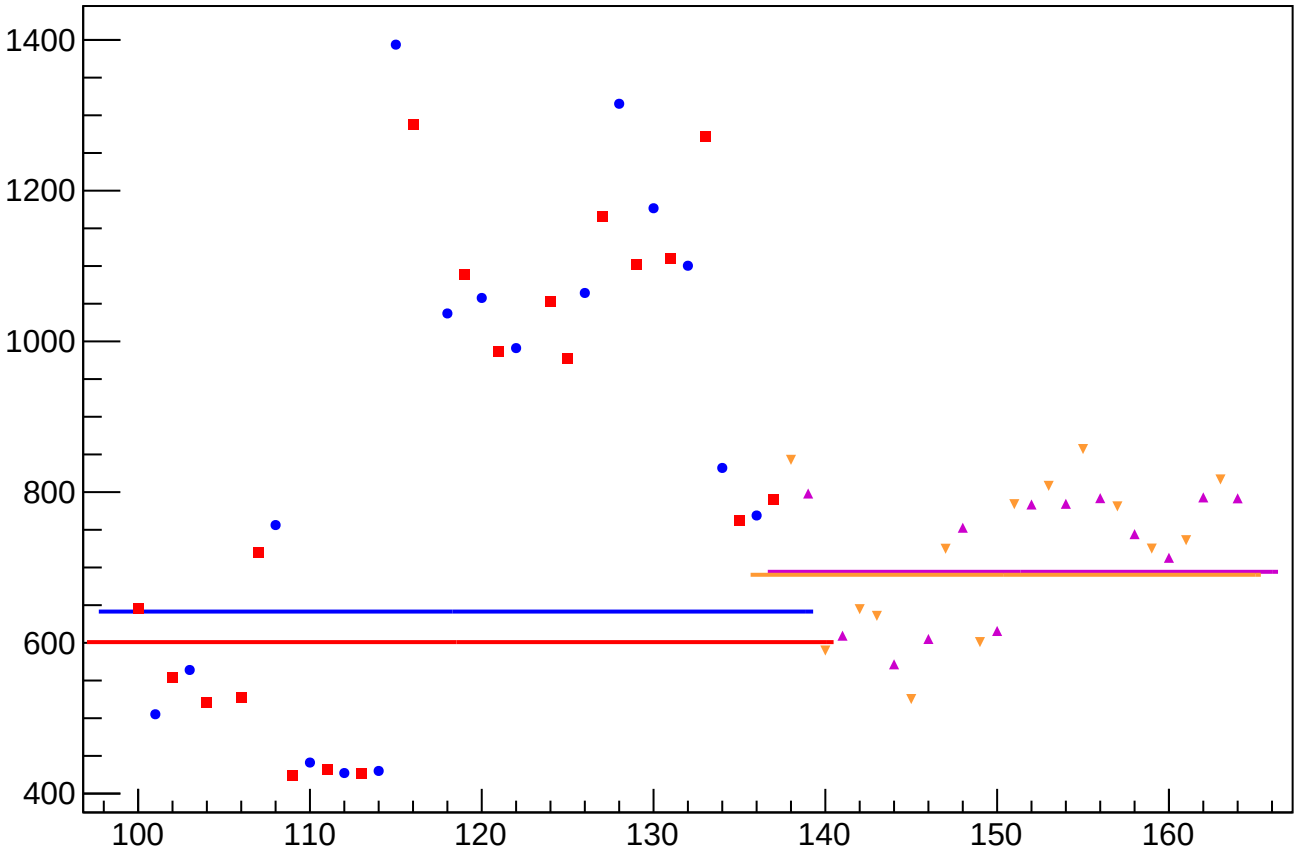
Left: -407.396+/-148.973 χ^2/NDF: 49.9/26

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 165.227+/-163.563 χ^2/NDF:31.8/28

Out: -378.948+/-157.368 χ^2/NDF:58.8/32

All: -117.361+/-113.403 χ^2/NDF: 96.4/61



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 690.324+/-0.148 χ^2/NDF:508608.2/13

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 694.267+/-0.150 χ^2/NDF:344331.8/12

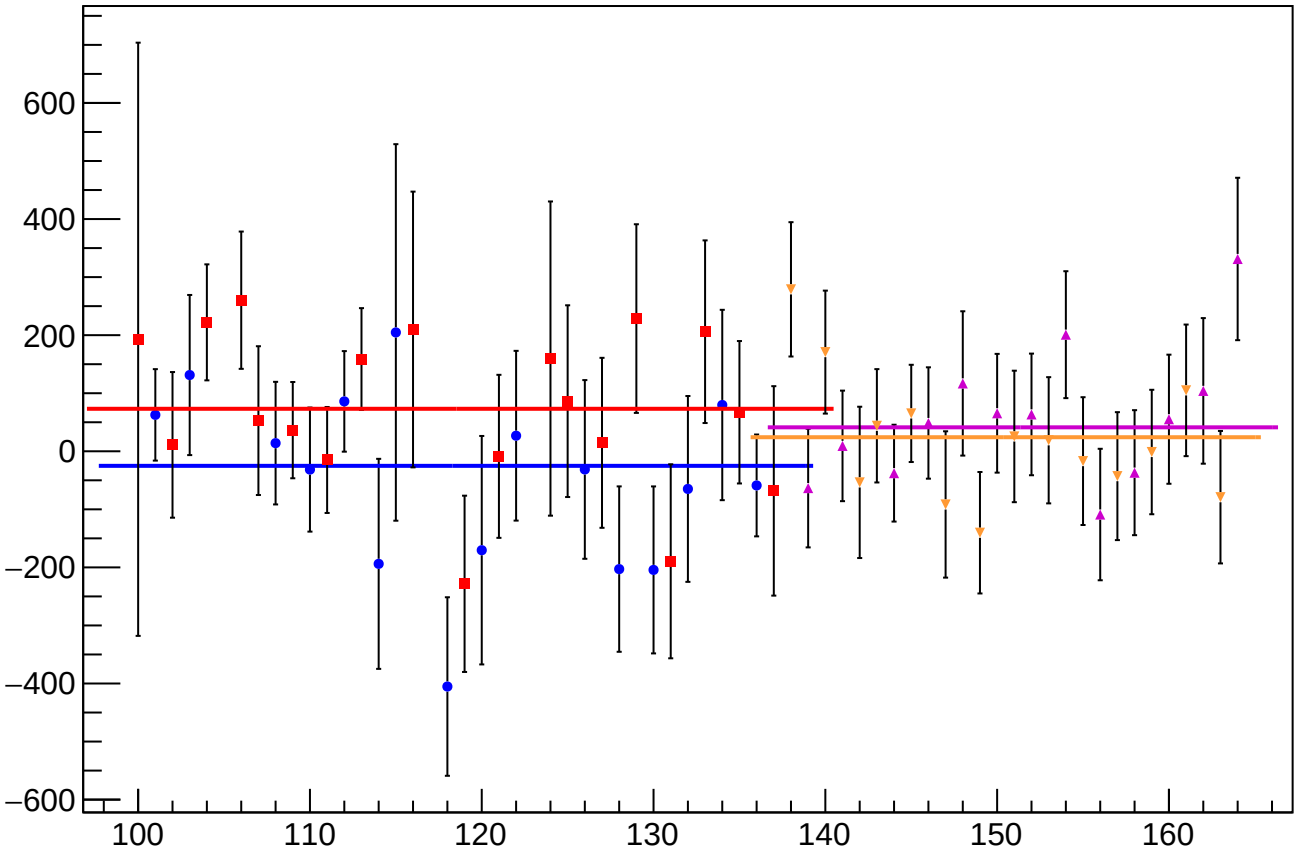
Left: 692.270+/-0.105 χ^2/NDF: 853290.1/26

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 672.897+/-0.116 χ^2/NDF:2269428.2/28

Out: 651.470+/-0.111 χ^2/NDF:2744285.4/32

All: 661.770+/-0.080 χ^2/NDF: 5031537.1/61



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 24.208+/-28.941 χ^2/NDF:12.6/13

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 41.258+/-29.443 χ^2/NDF:11.5/12

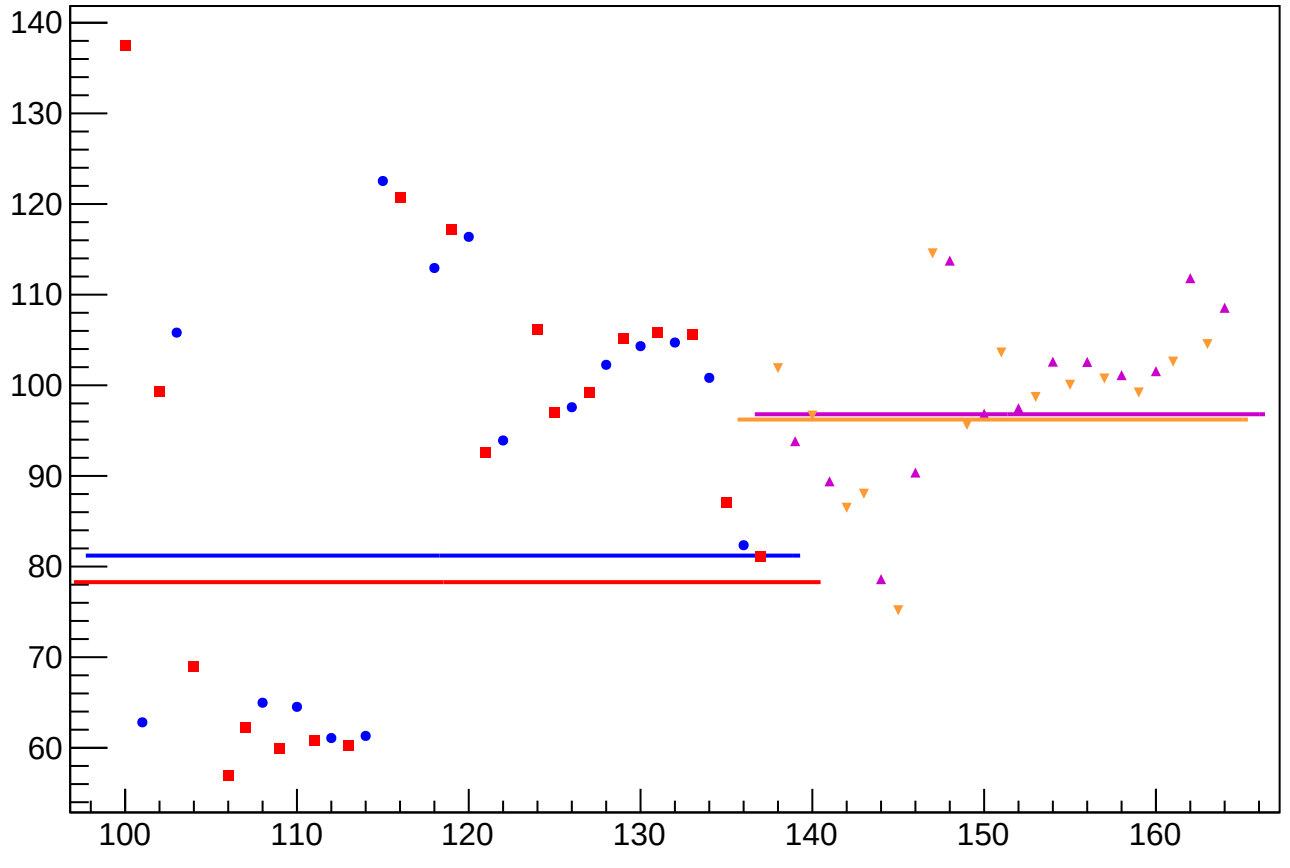
Left: 32.586+/-20.639 χ^2/NDF: 24.3/26

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 10.043+/-21.423 χ^2/NDF:30.1/28

Out: 47.872+/-20.807 χ^2/NDF:30.7/32

All: 29.509+/-14.926 χ^2/NDF: 62.4/61



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.220+/-0.020 χ^2/NDF:232690.1/13

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.805+/-0.021 χ^2/NDF:215697.4/12

Left: 96.508+/-0.015 χ^2/NDF: 448788.6/26

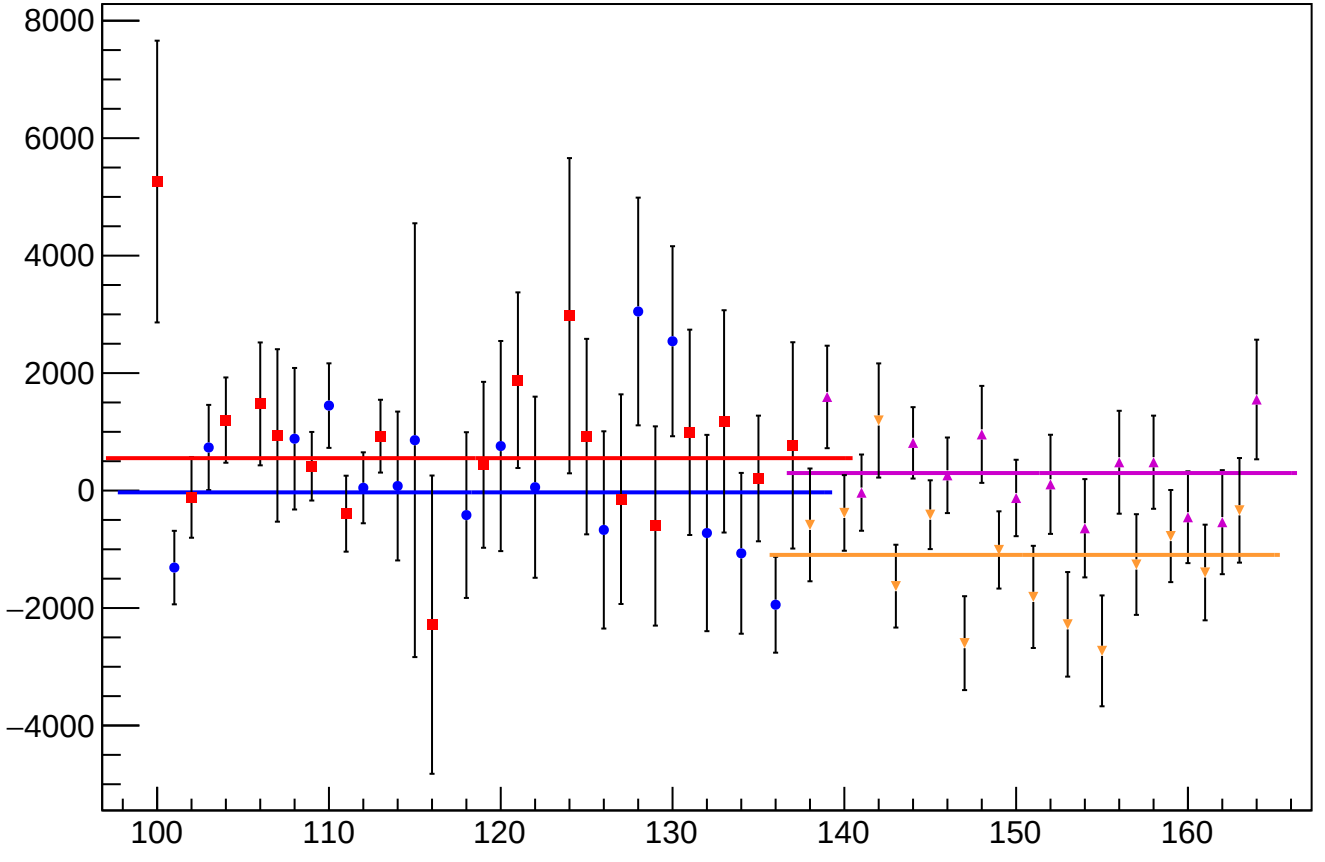
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 89.466+/-0.015 χ^2/NDF:1267429.5/28

Out: 87.553+/-0.015 χ^2/NDF:1540810.5/32

All: 88.482+/-0.011 χ^2/NDF: 2816447.0/61

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: -1095.240+/-209.333 χ^2/NDF:19.0/13

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 298.430+/-212.052 χ^2/NDF:9.0/12

Left: -407.396+/-148.973 χ^2/NDF: 49.9/26

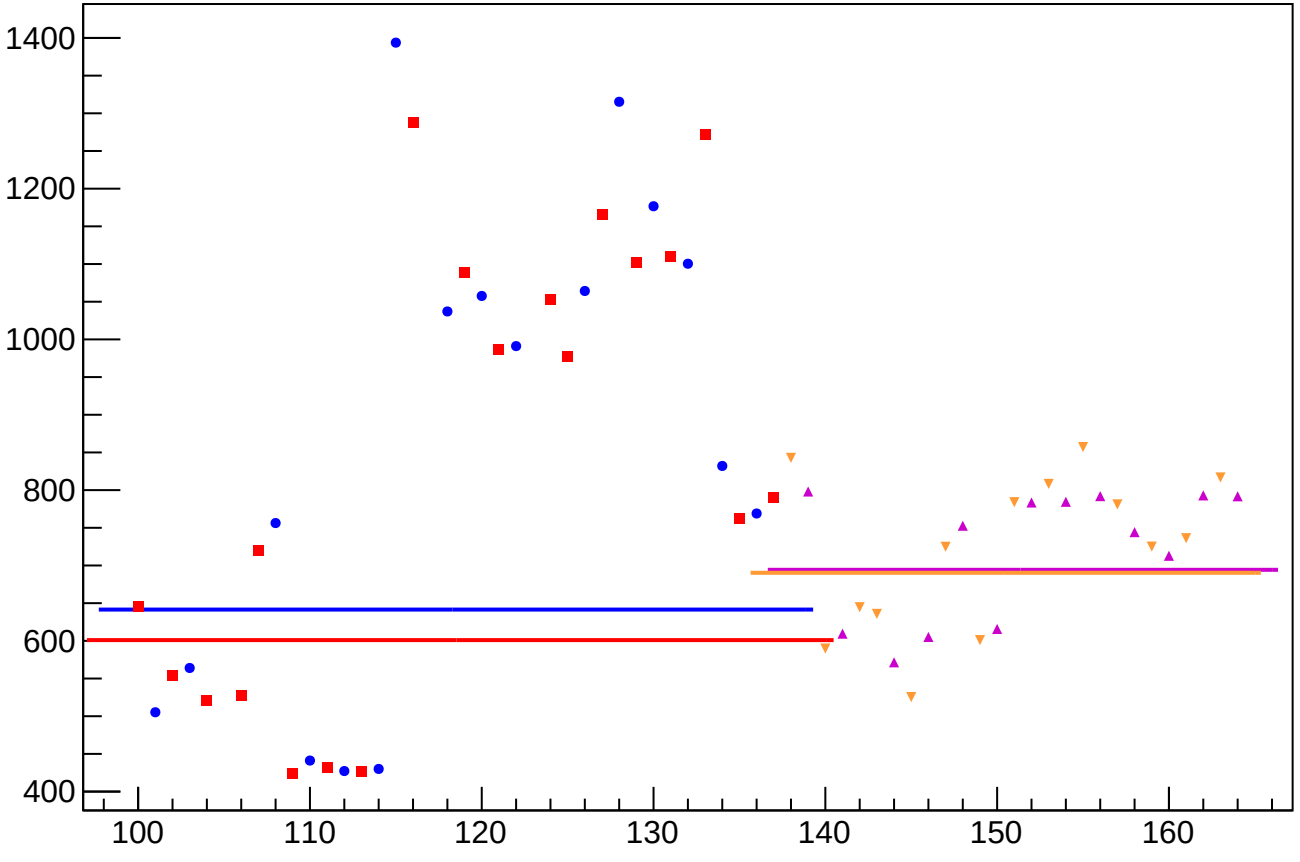
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 165.227+/-163.563 χ^2/NDF:31.8/28

Out: -378.948+/-157.368 χ^2/NDF:58.8/32

All: -117.361+/-113.403 χ^2/NDF: 96.4/61

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: 690.324+/-0.148 χ^2/NDF:508608.2/13

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 694.267+/-0.150 χ^2/NDF:344331.8/12

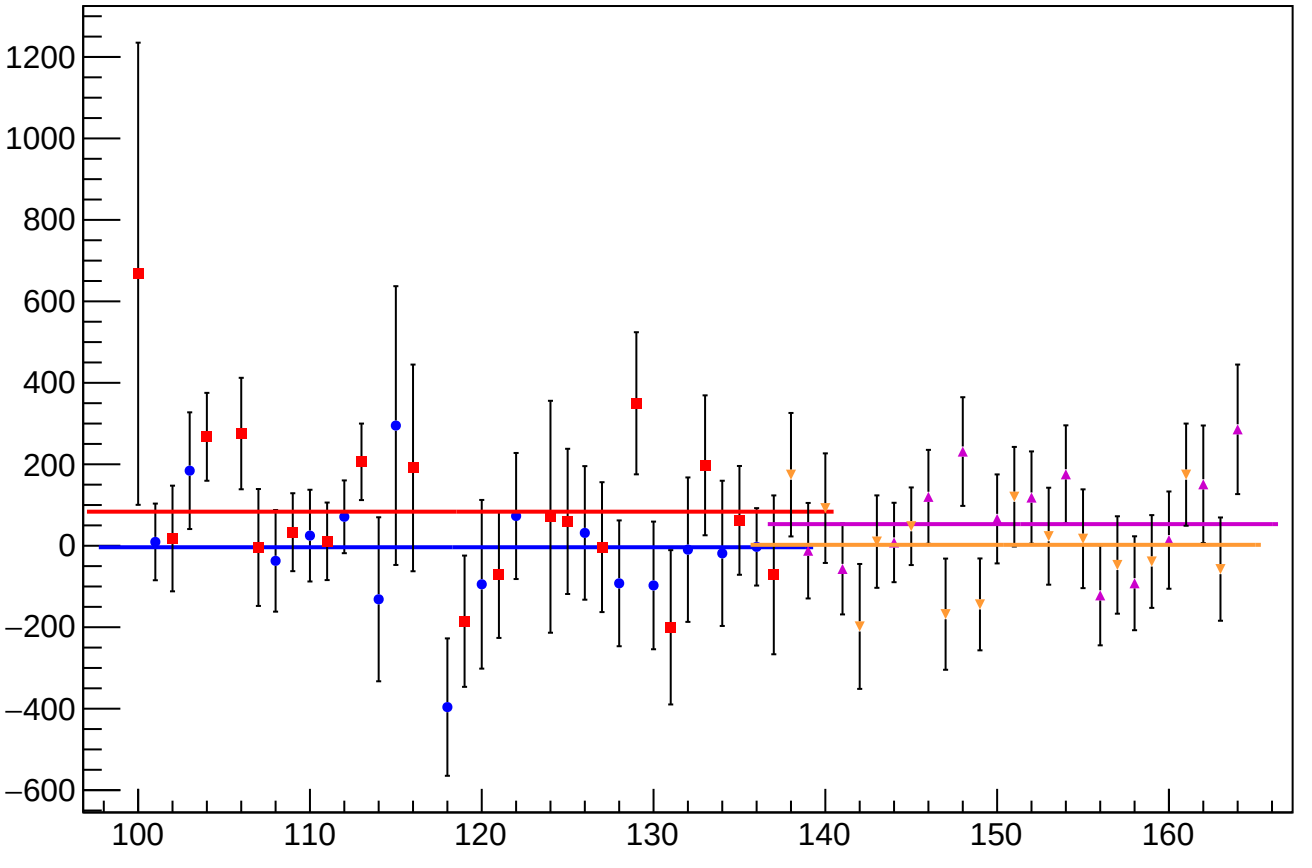
Left: 692.270+/-0.105 χ^2/NDF: 853290.1/26

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 672.897+/-0.116 χ^2/NDF:2269428.2/28

Out: 651.470+/-0.111 χ^2/NDF:2744285.4/32

All: 661.770+/-0.080 χ^2/NDF: 5031537.1/61



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 2.277+/-32.621 χ^2/NDF:10.3/13

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 53.110+/-32.972 χ^2/NDF:11.3/12

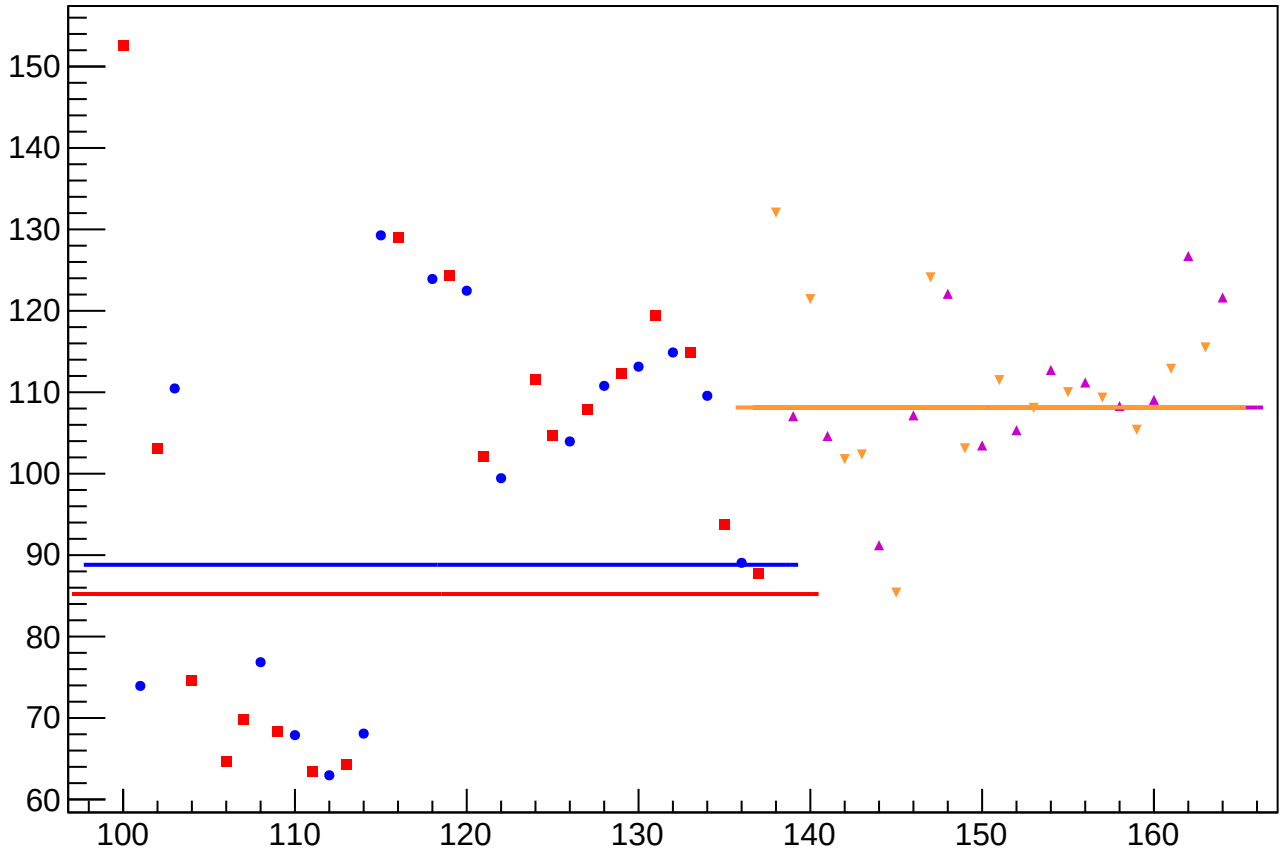
Left: 27.421+/-23.189 χ^2/NDF: 22.8/26

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 25.735+/-23.721 χ^2/NDF:23.1/28

Out: 42.962+/-23.071 χ^2/NDF:32.5/32

All: 34.588+/-16.538 χ^2/NDF: 55.8/61



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 108.134+/-0.023 χ^2/NDF:236259.2/13

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 108.124+/-0.023 χ^2/NDF:141257.2/12

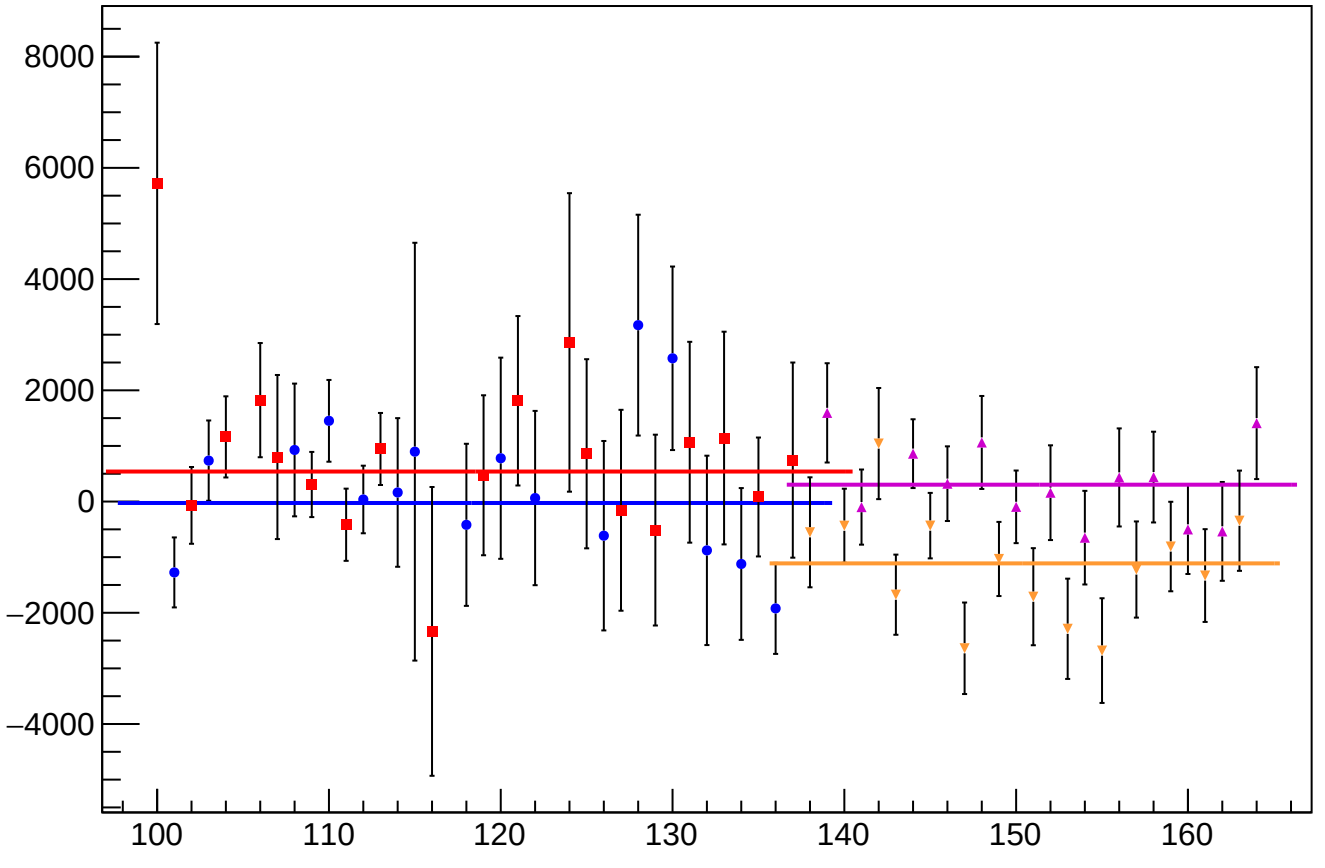
Left: 108.129+/-0.016 χ^2/NDF: 377516.5/26

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 98.808+/-0.017 χ^2/NDF:1196808.7/28

Out: 96.684+/-0.016 χ^2/NDF:1613372.9/32

All: 97.716+/-0.012 χ^2/NDF: 2818426.4/61



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1111.906+/-213.007 χ^2/NDF:17.3/13

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 303.100+/-215.949 χ^2/NDF:8.9/12

Left: -414.106+/-151.648 χ^2/NDF: 48.0/26

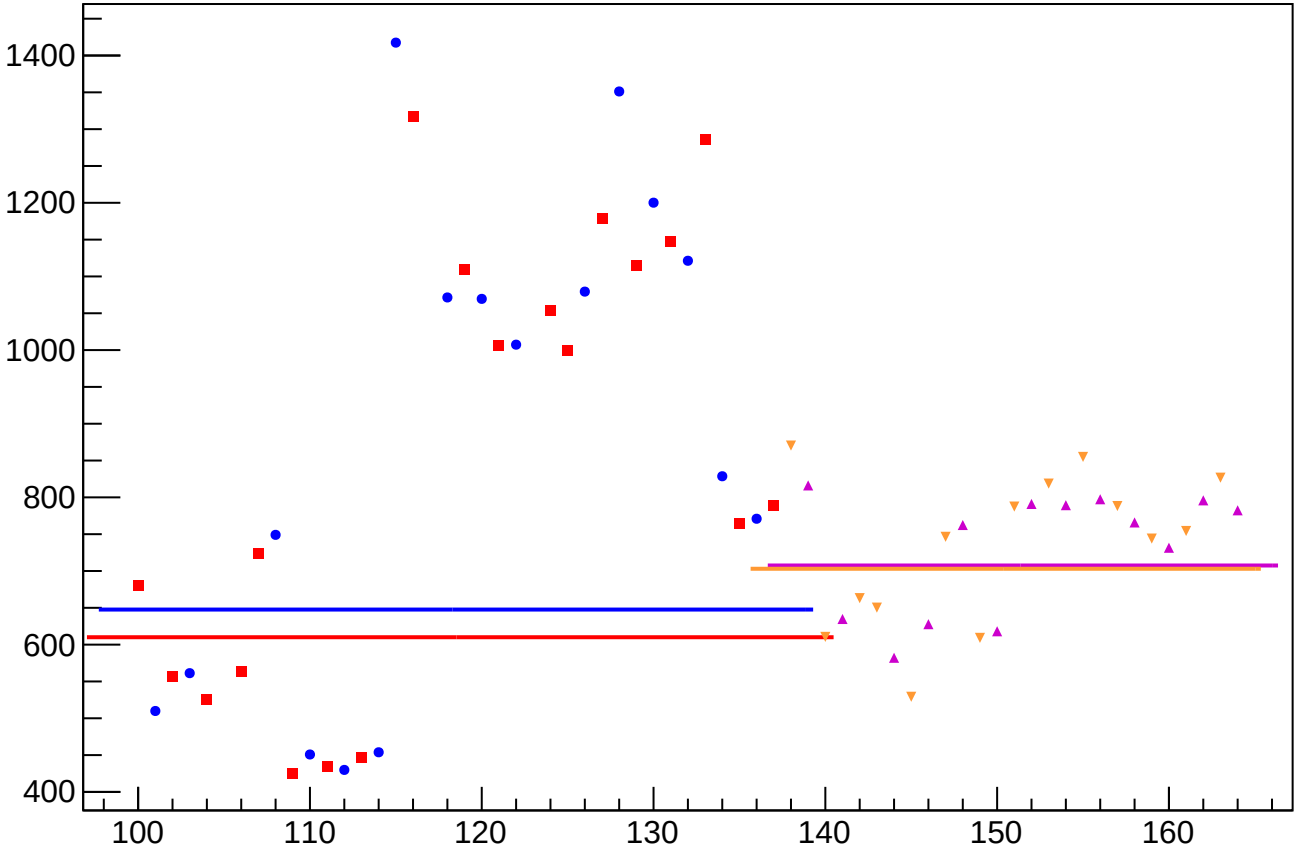
Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 168.478+/-165.965 χ^2/NDF:31.4/28

Out: -388.382+/-159.672 χ^2/NDF:57.3/32

All: -120.711+/-115.066 χ^2/NDF: 94.5/61

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 703.039+/-0.151 χ^2/NDF:502867.3/13

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 707.475+/-0.153 χ^2/NDF:311175.2/12

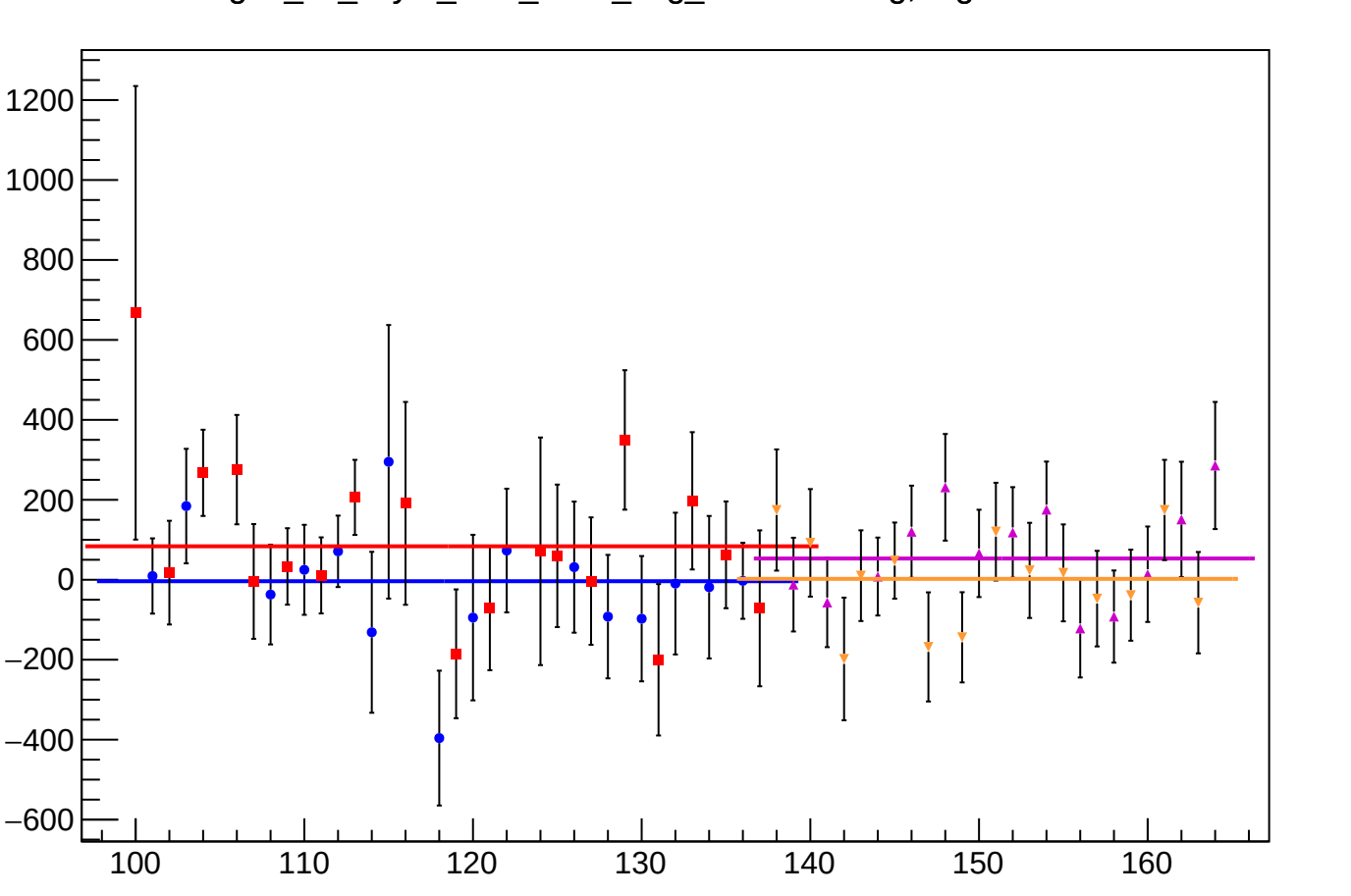
Left: 705.227+/-0.107 χ^2/NDF: 814470.4/26

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 682.982+/-0.117 χ^2/NDF:2261844.1/28

Out: 662.306+/-0.113 χ^2/NDF:2744058.6/32

All: 672.245+/-0.081 χ^2/NDF: 5022022.9/61



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 2.278+/-32.621 χ^2/NDF:10.3/13

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 53.110+/-32.972 χ^2/NDF:11.3/12

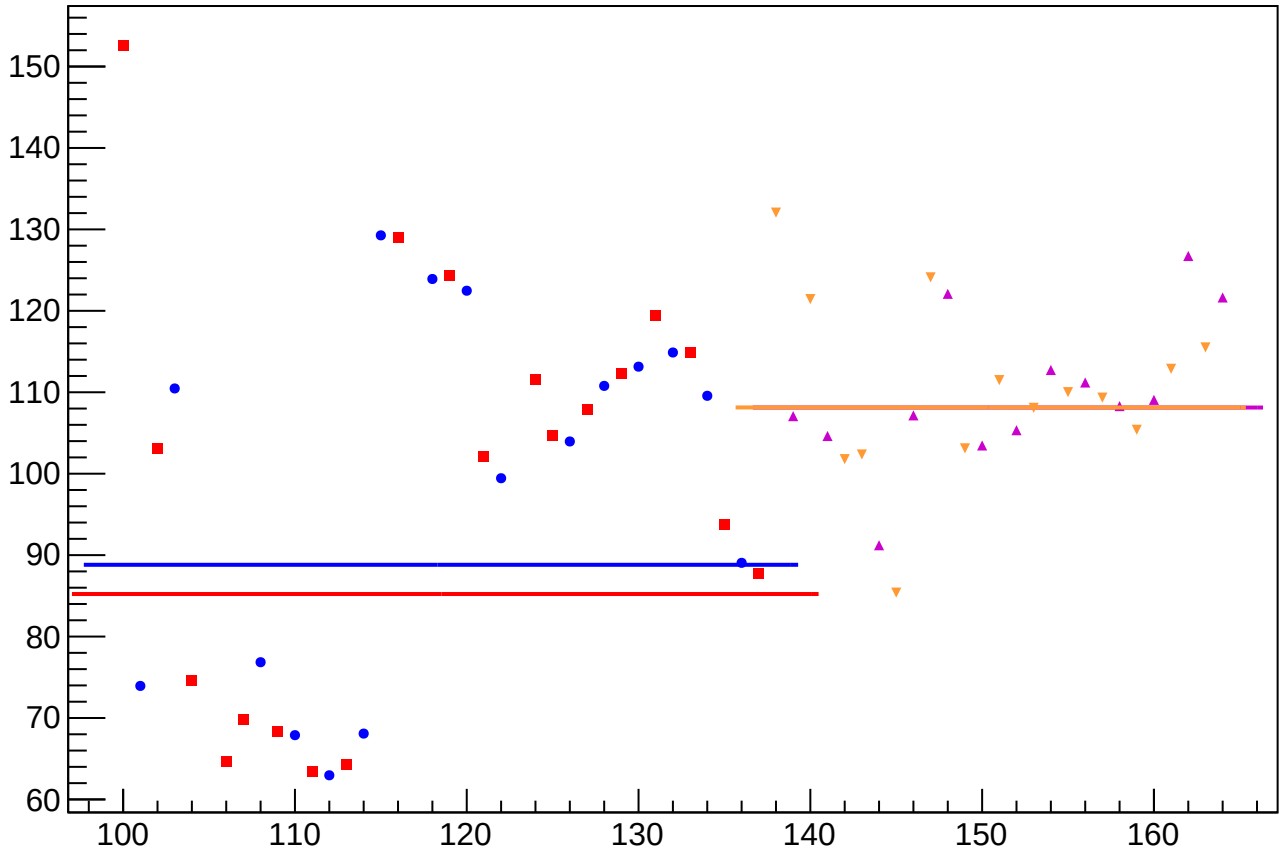
Left: 27.422+/-23.190 χ^2/NDF: 22.8/26

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 25.736+/-23.721 χ^2/NDF:23.1/28

Out: 42.962+/-23.071 χ^2/NDF:32.5/32

All: 34.589+/-16.538 χ^2/NDF: 55.8/61



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 108.134+/-0.023 χ^2/NDF:236256.9/13

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.124+/-0.023 χ^2/NDF:141255.3/12

Left: 108.129+/-0.016 χ^2/NDF: 377512.4/26

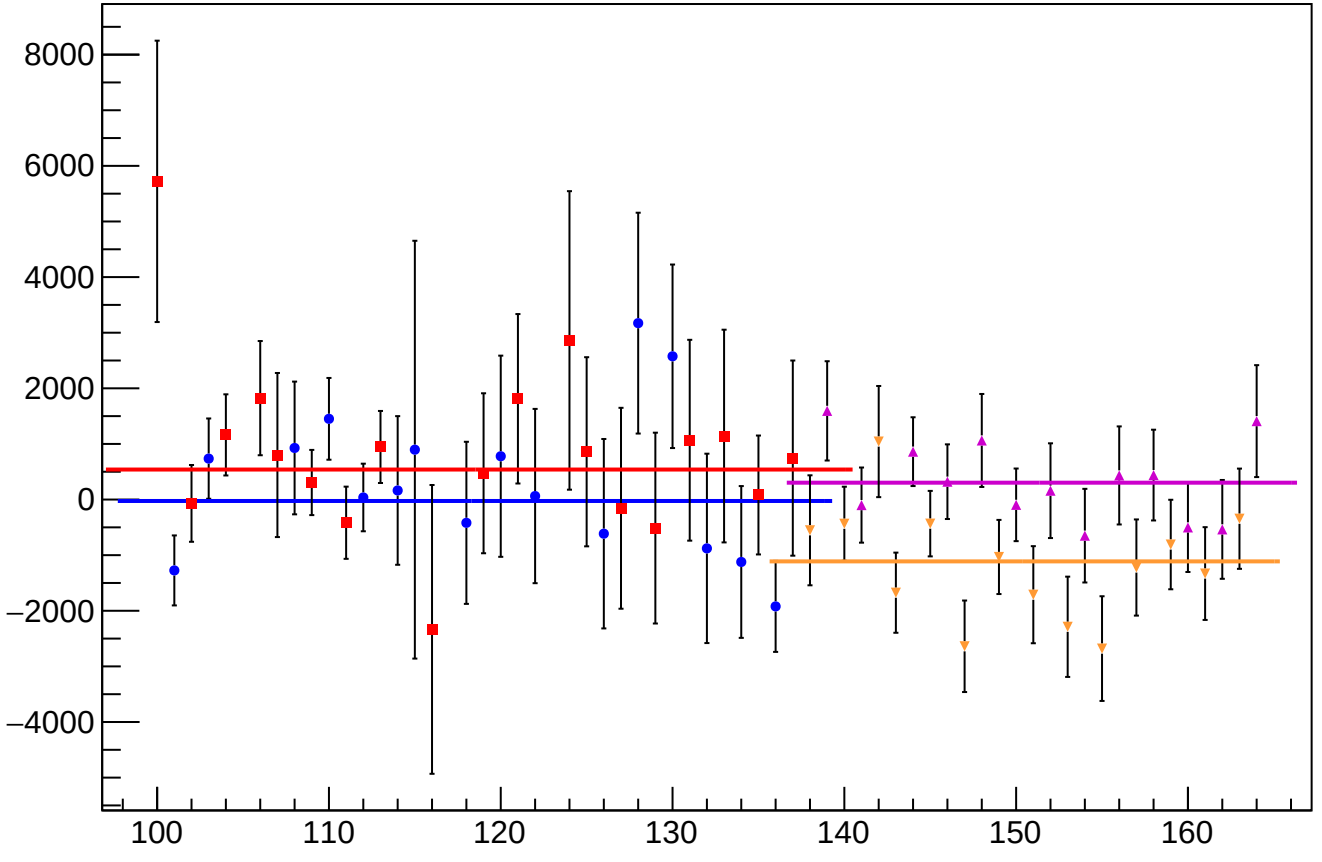
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 98.808+/-0.017 χ^2/NDF:1196813.9/28

Out: 96.684+/-0.016 χ^2/NDF:1613381.5/32

All: 97.716+/-0.012 χ^2/NDF: 2818440.3/61

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: -1111.904+/-213.007 χ^2/NDF:17.3/13

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 303.099+/-215.949 χ^2/NDF:8.9/12

Left: -414.106+/-151.648 χ^2/NDF: 48.0/26

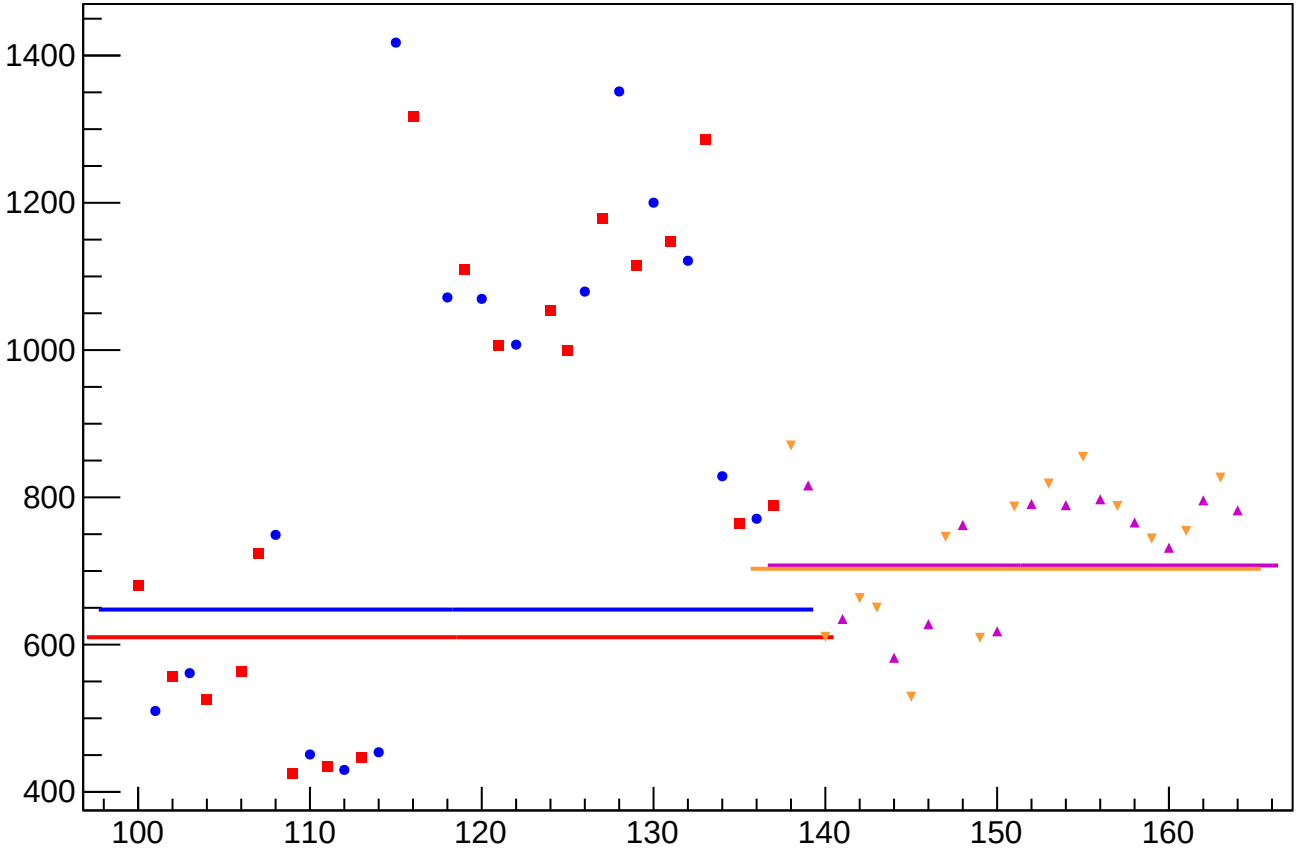
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 168.478+/-165.965 χ^2/NDF:31.4/28

Out: -388.382+/-159.672 χ^2/NDF:57.3/32

All: -120.711+/-115.066 χ^2/NDF: 94.5/61

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 703.038+/-0.151 χ^2/NDF:502867.7/13

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 707.475+/-0.153 χ^2/NDF:311172.6/12

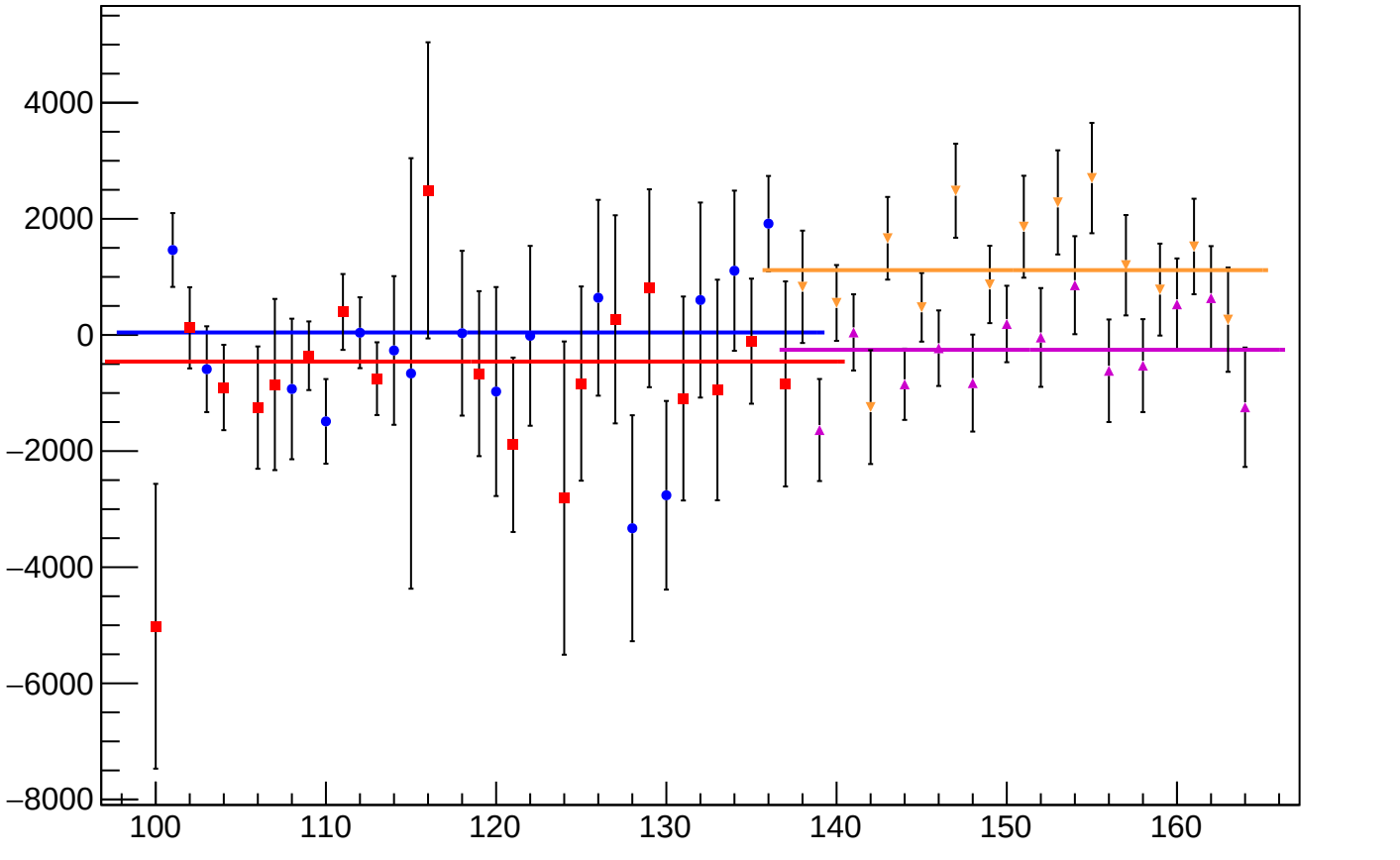
Left: 705.226+/-0.107 χ^2/NDF: 814468.2/26

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 682.982+/-0.117 χ^2/NDF:2261847.3/28

Out: 662.305+/-0.113 χ^2/NDF:2744062.9/32

All: 672.244+/-0.081 χ^2/NDF: 5022030.6/61



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1116.559+/-211.448 χ^2/NDF:17.9/13

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -255.410+/-214.176 χ^2/NDF:9.5/12

Left: 439.366+/-150.471 χ^2/NDF: 48.2/26

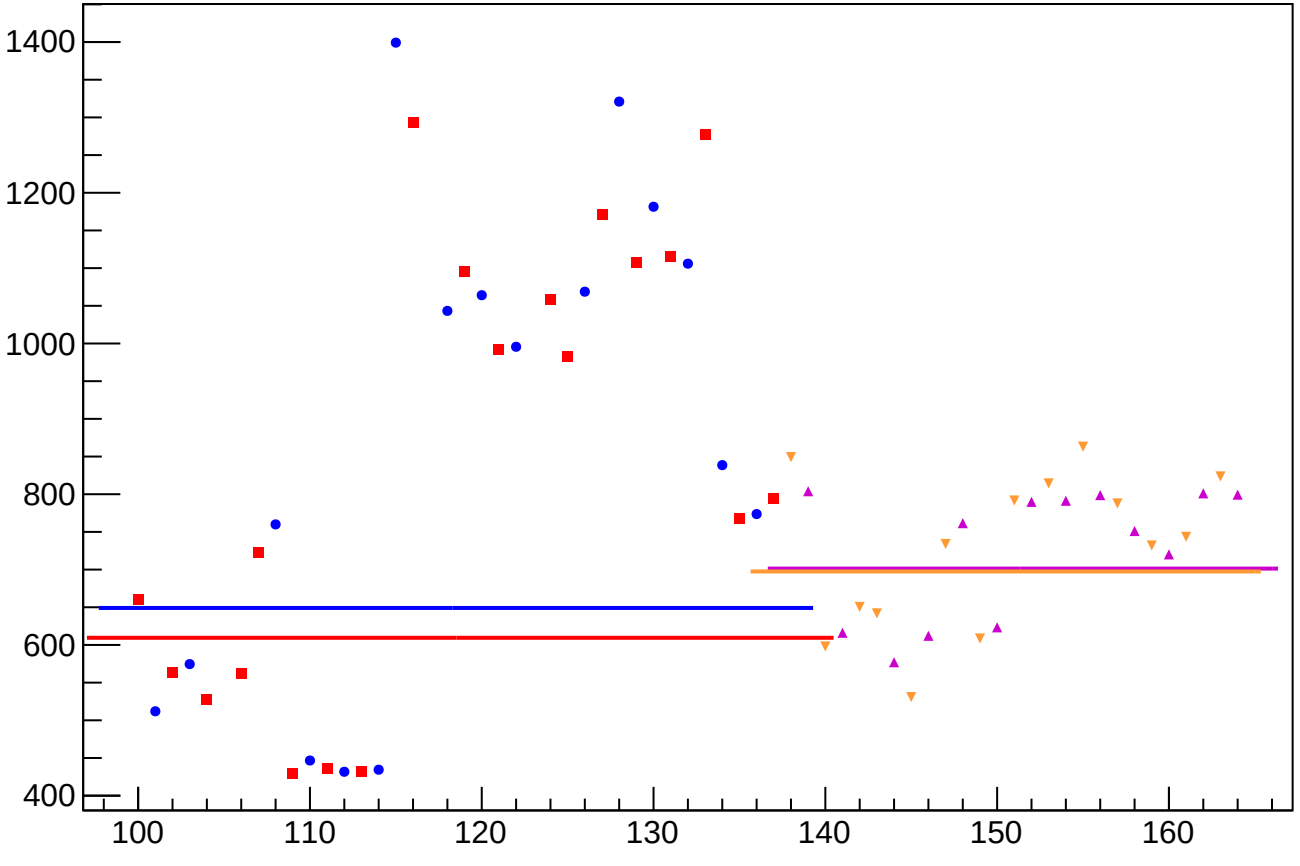
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -134.602+/-165.258 χ^2/NDF:33.5/28

Out: 432.015+/-158.977 χ^2/NDF:53.3/32

All: 159.678+/-114.570 χ^2/NDF: 92.9/61

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 697.496+/-0.150 χ^2/NDF:499970.8/13

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 701.343+/-0.151 χ^2/NDF:339733.0/12

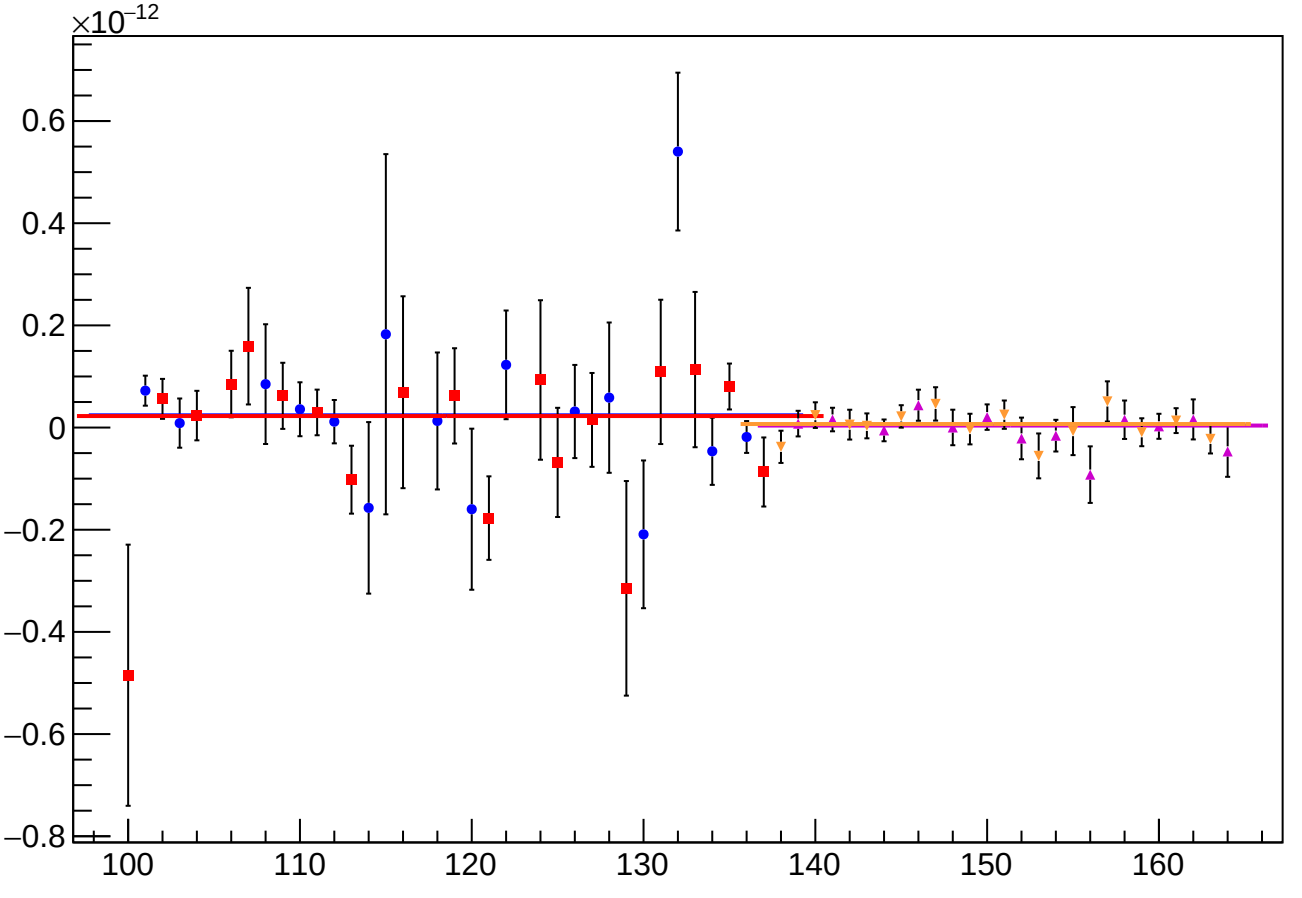
Left: 699.395+/-0.106 χ^2/NDF: 840030.6/26

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 680.200+/-0.117 χ^2/NDF:2233717.2/28

Out: 659.249+/-0.112 χ^2/NDF:2694084.5/32

All: 669.319+/-0.081 χ^2/NDF: 4944496.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/12

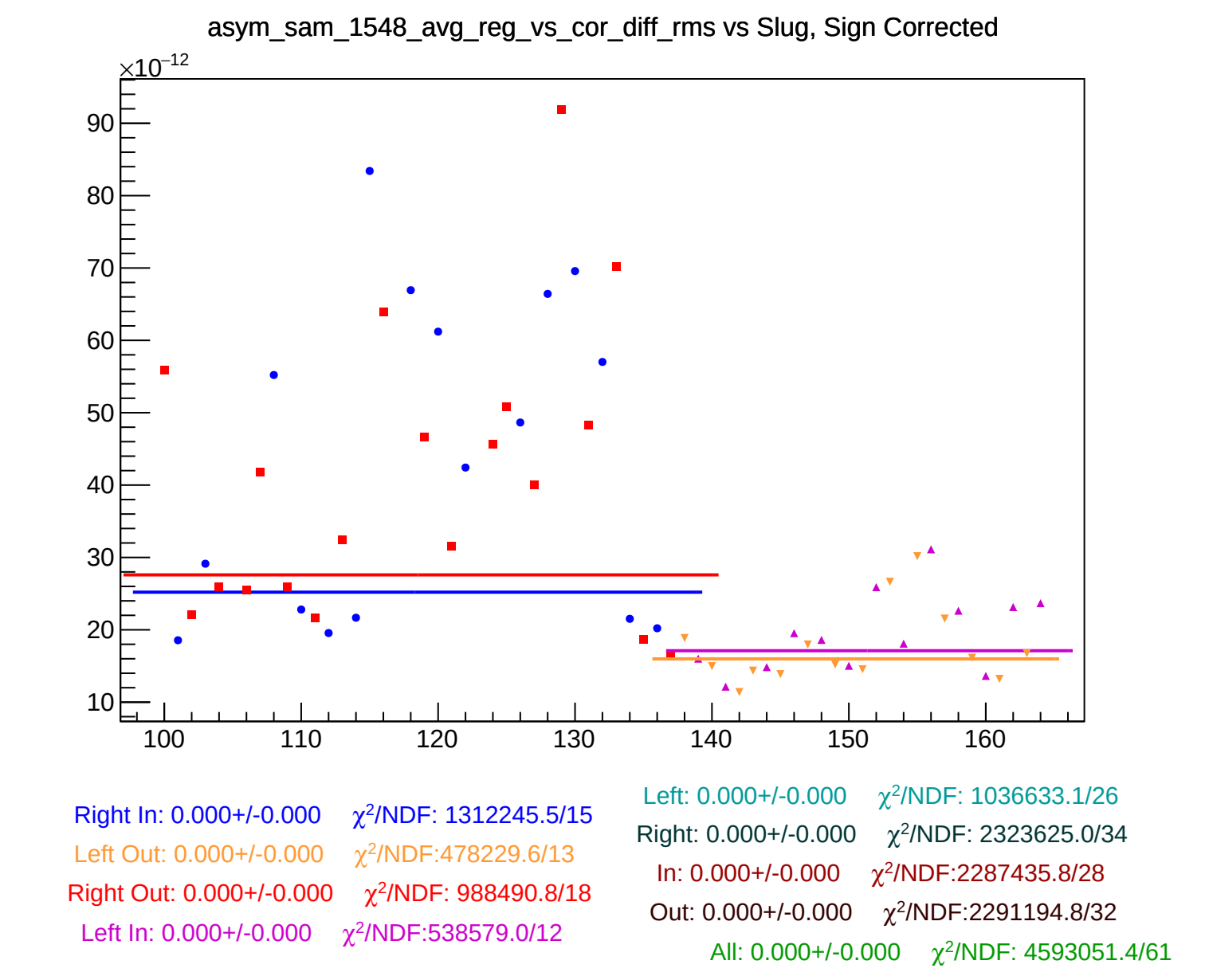
Left: 0.000+/-0.000 χ^2/NDF: 17.5/26

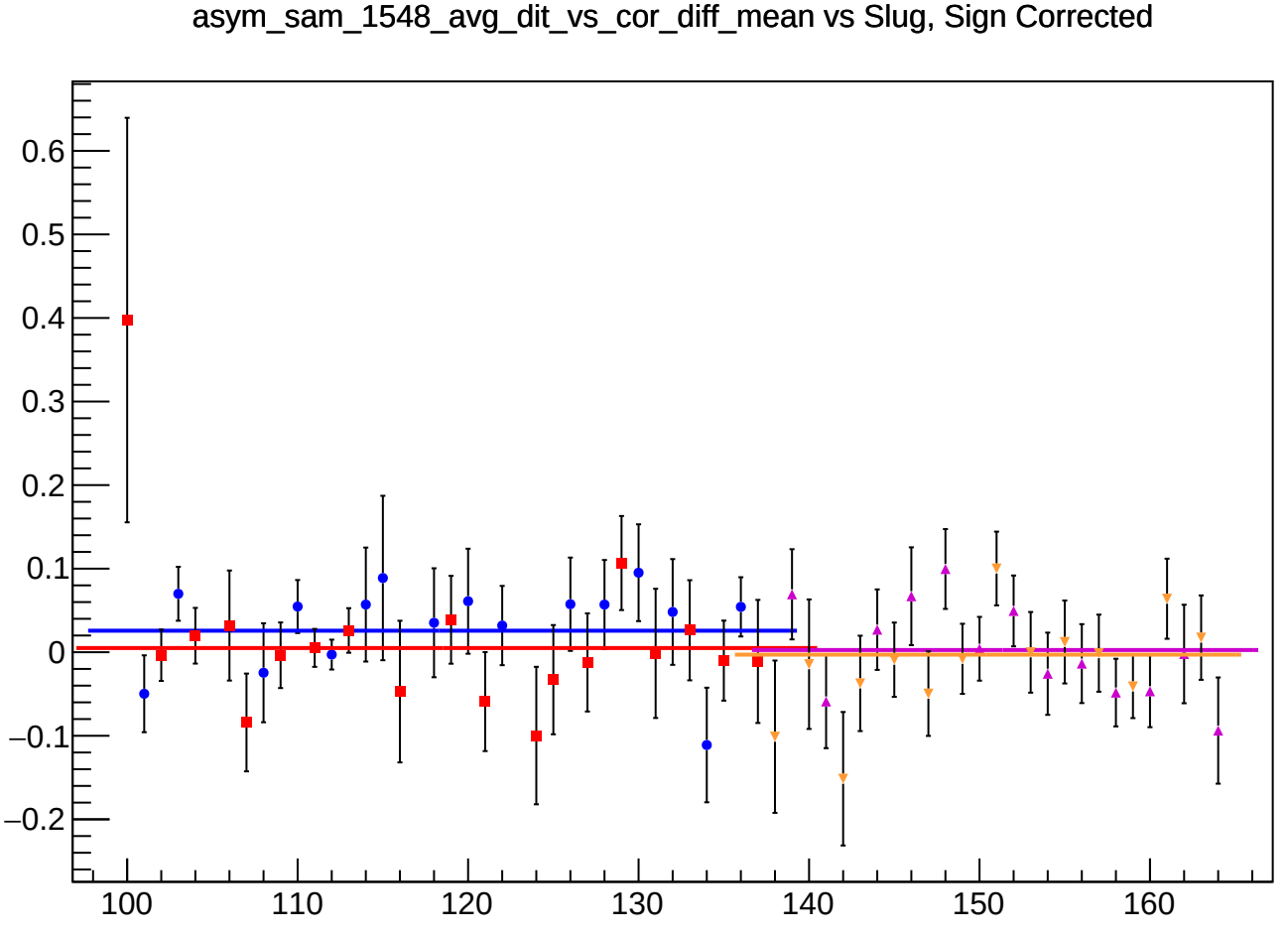
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

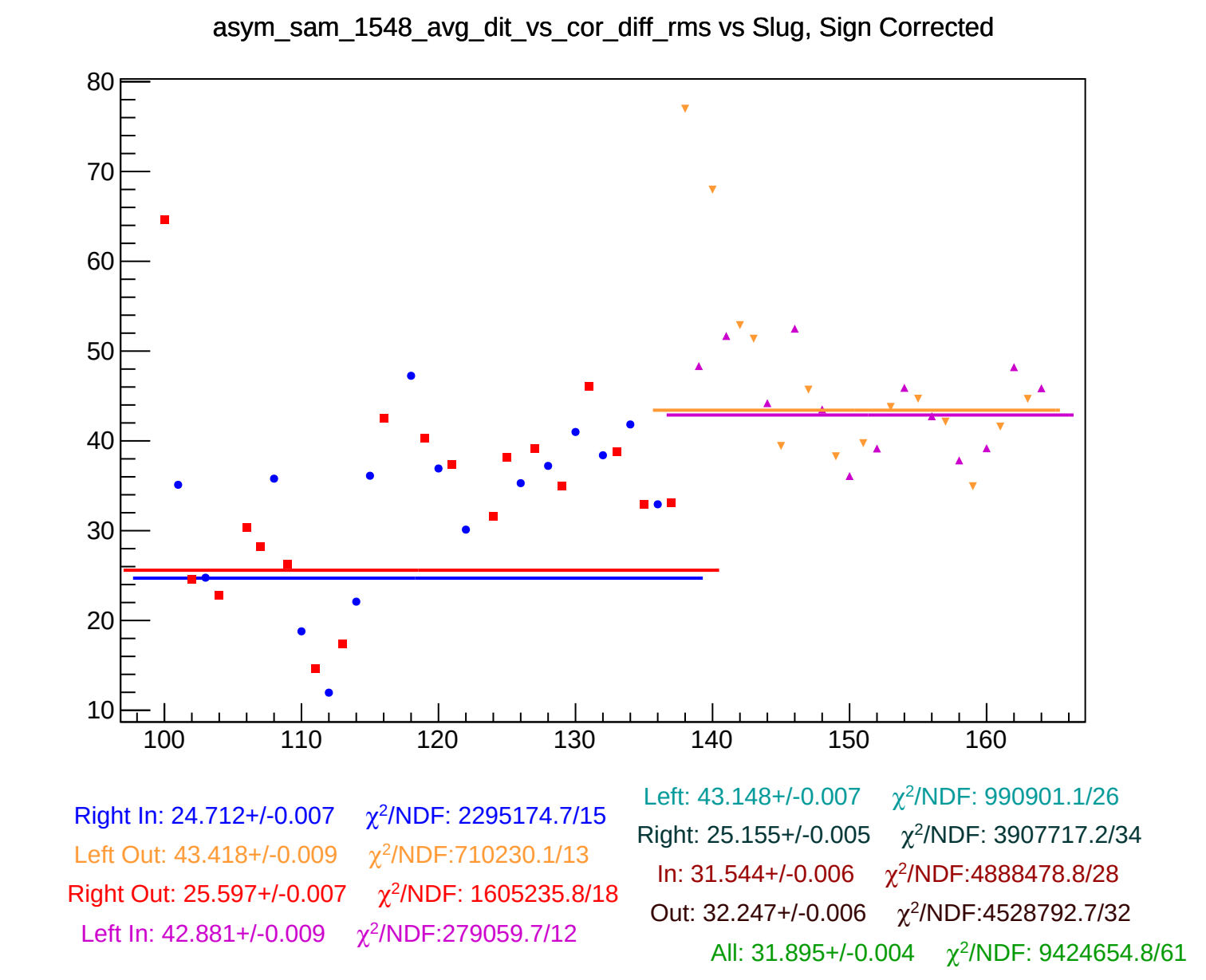
In: 0.000+/-0.000 χ^2/NDF:32.6/28

Out: 0.000+/-0.000 χ^2/NDF:36.2/32

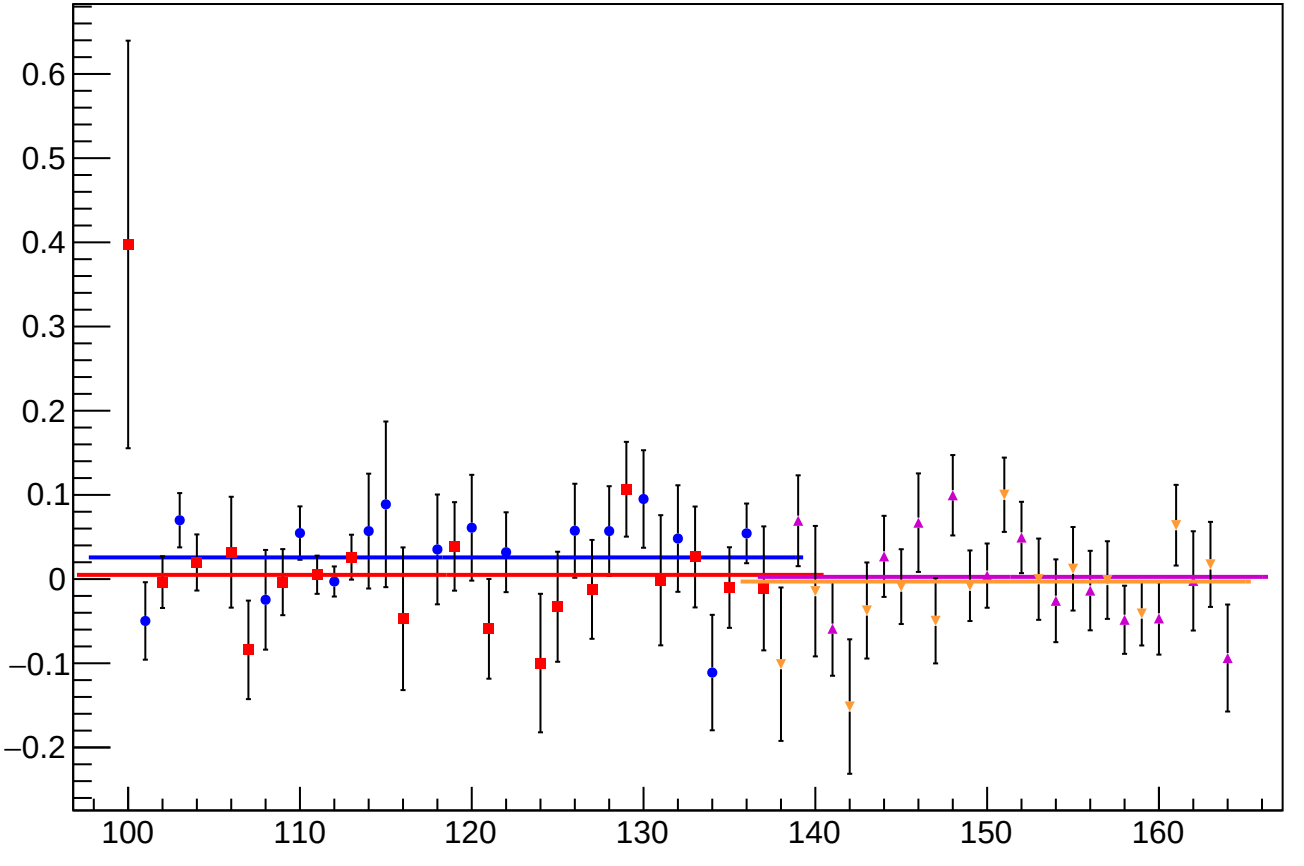
All: 0.000+/-0.000 χ^2/NDF: 68.9/61


asym_sam_1548_avg_reg_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
160
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:478229.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:538579.0/12
Left: 0.000+/-0.000 χ²/NDF: 1036633.1/26
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:2287435.8/28
Out: 0.000+/-0.000 χ²/NDF:2291194.8/32
All: 0.000+/-0.000 χ²/NDF: 4593051.4/61


asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.026+/-0.010 χ²/NDF: 16.5/15
Left Out: -0.003+/-0.013 χ²/NDF:14.6/13
Right Out: 0.005+/-0.010 χ²/NDF: 13.6/18
Left In: 0.003+/-0.013 χ²/NDF:15.2/12
Left: -0.000+/-0.009 χ²/NDF: 29.9/26
Right: 0.015+/-0.007 χ²/NDF: 32.1/34
In: 0.017+/-0.008 χ²/NDF:33.6/28
Out: 0.002+/-0.008 χ²/NDF:28.4/32
All: 0.010+/-0.006 χ²/NDF: 63.7/61


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.418+/-0.009 χ²/NDF:710230.1/13
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 42.881+/-0.009 χ²/NDF:279059.7/12
Left: 43.148+/-0.007 χ²/NDF: 990901.1/26
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 31.544+/-0.006 χ²/NDF:4888478.8/28
Out: 32.247+/-0.006 χ²/NDF:4528792.7/32
All: 31.895+/-0.004 χ²/NDF: 9424654.8/61

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: -0.003+/-0.013 χ^2/NDF:14.6/13

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.003+/-0.013 χ^2/NDF:15.2/12

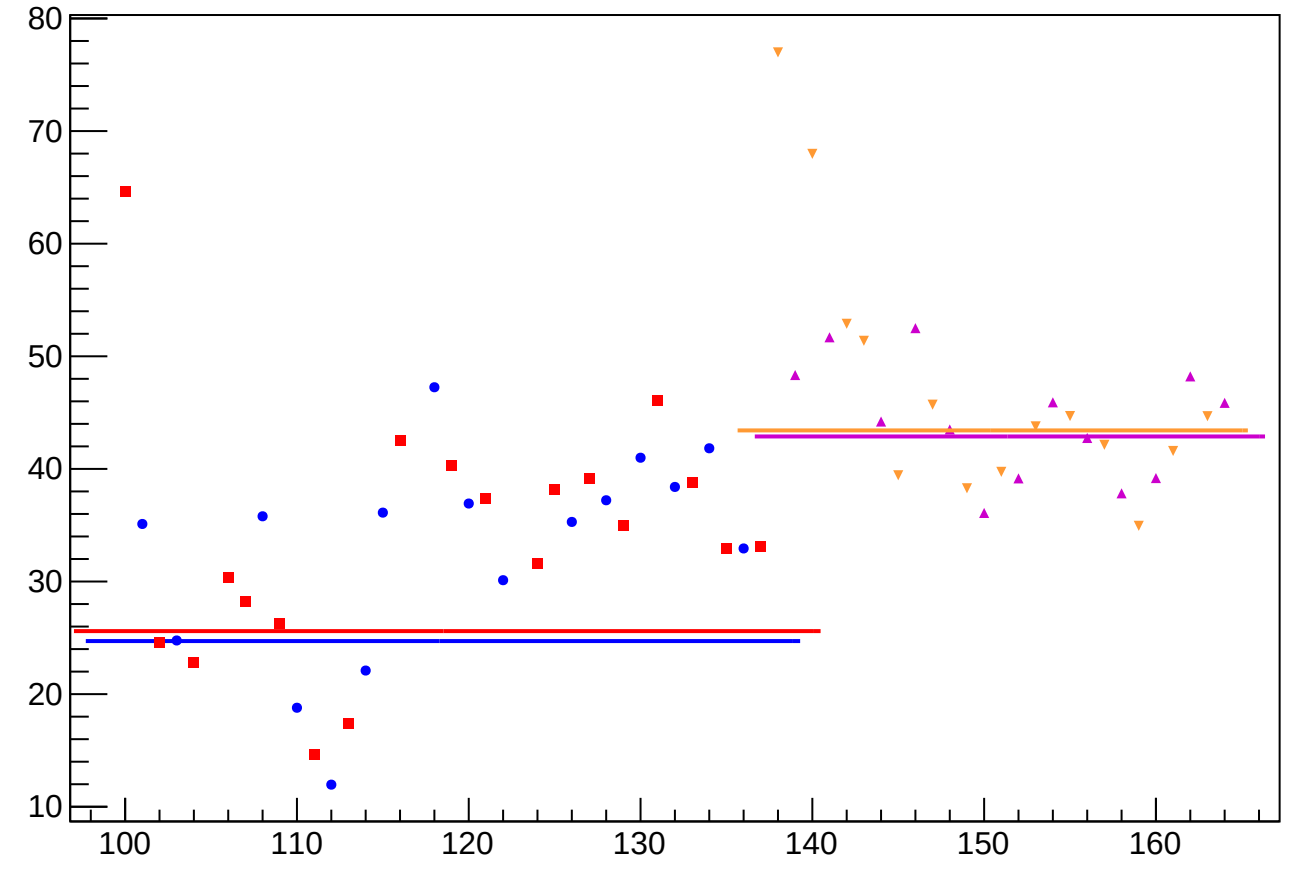
Left: -0.000+/-0.009 χ^2/NDF: 29.9/26

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:33.6/28

Out: 0.002+/-0.008 χ^2/NDF:28.4/32

All: 0.010+/-0.006 χ^2/NDF: 63.7/61



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.418+/-0.009 χ^2/NDF:710230.1/13

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 42.881+/-0.009 χ^2/NDF:279059.7/12

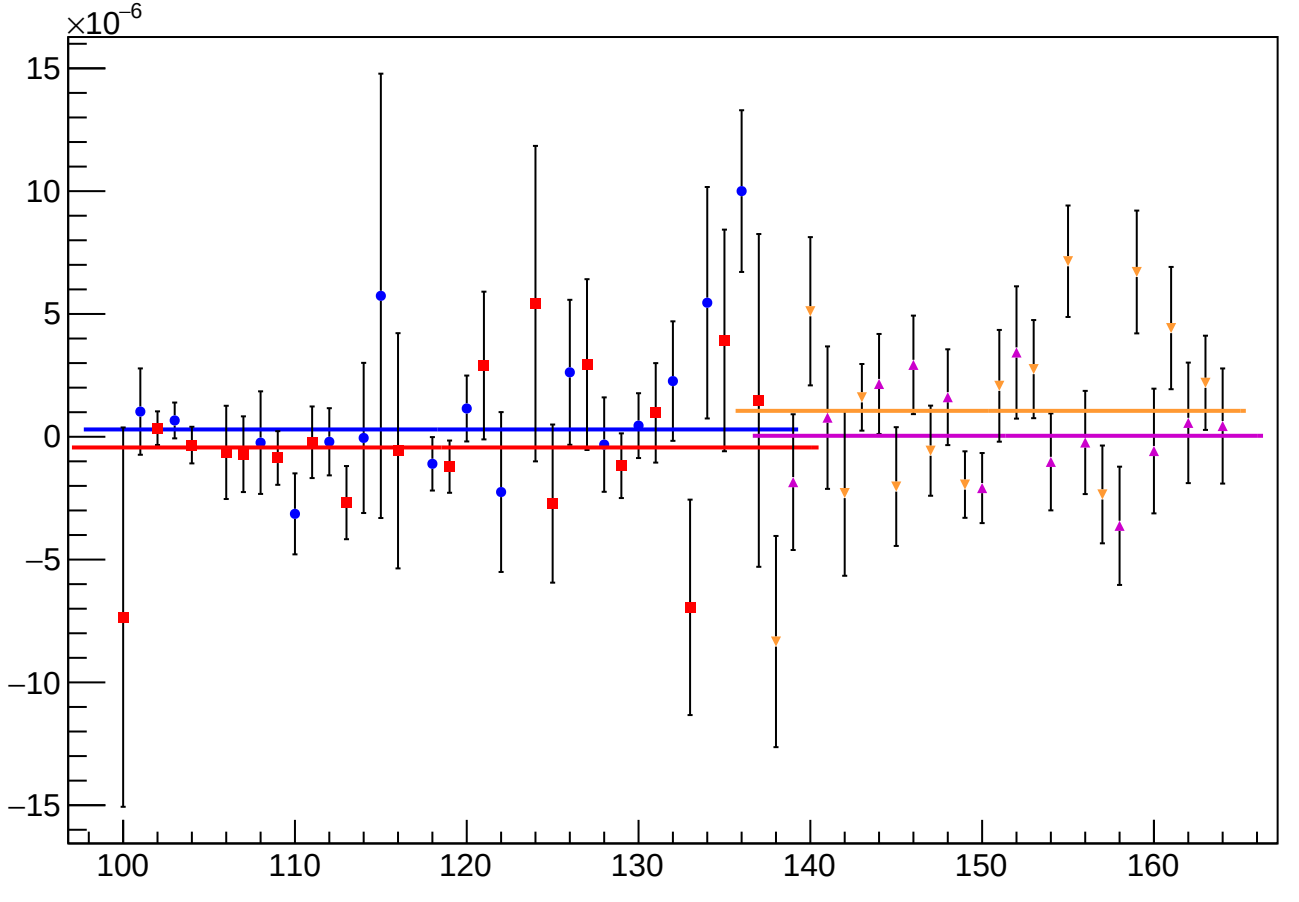
Left: 43.148+/-0.007 χ^2/NDF: 990901.1/26

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 31.544+/-0.006 χ^2/NDF:4888478.8/28

Out: 32.247+/-0.006 χ^2/NDF:4528792.7/32

All: 31.895+/-0.004 χ^2/NDF: 9424654.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.4/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/12

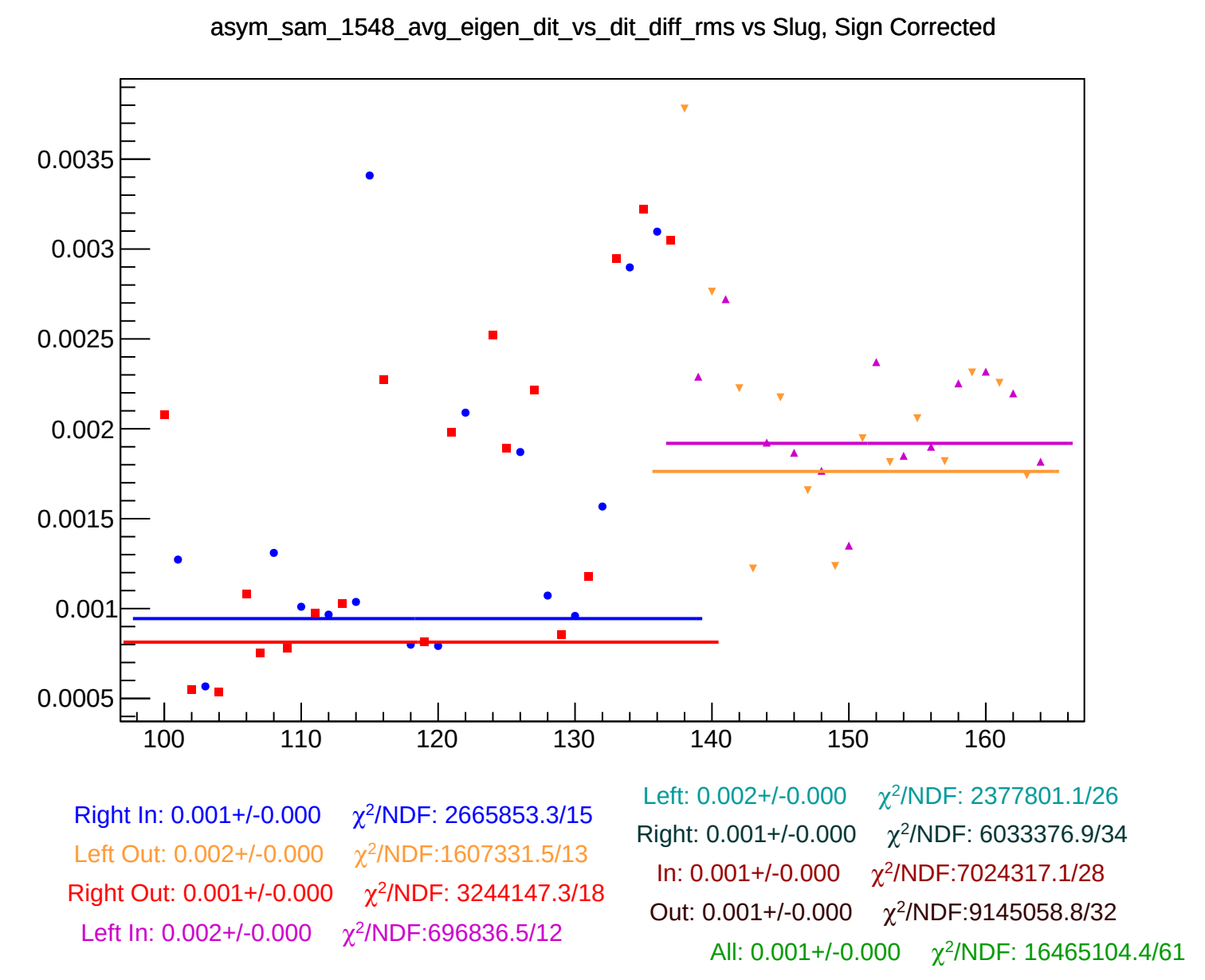
Left: 0.000+/-0.000 χ^2/NDF: 45.9/26

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

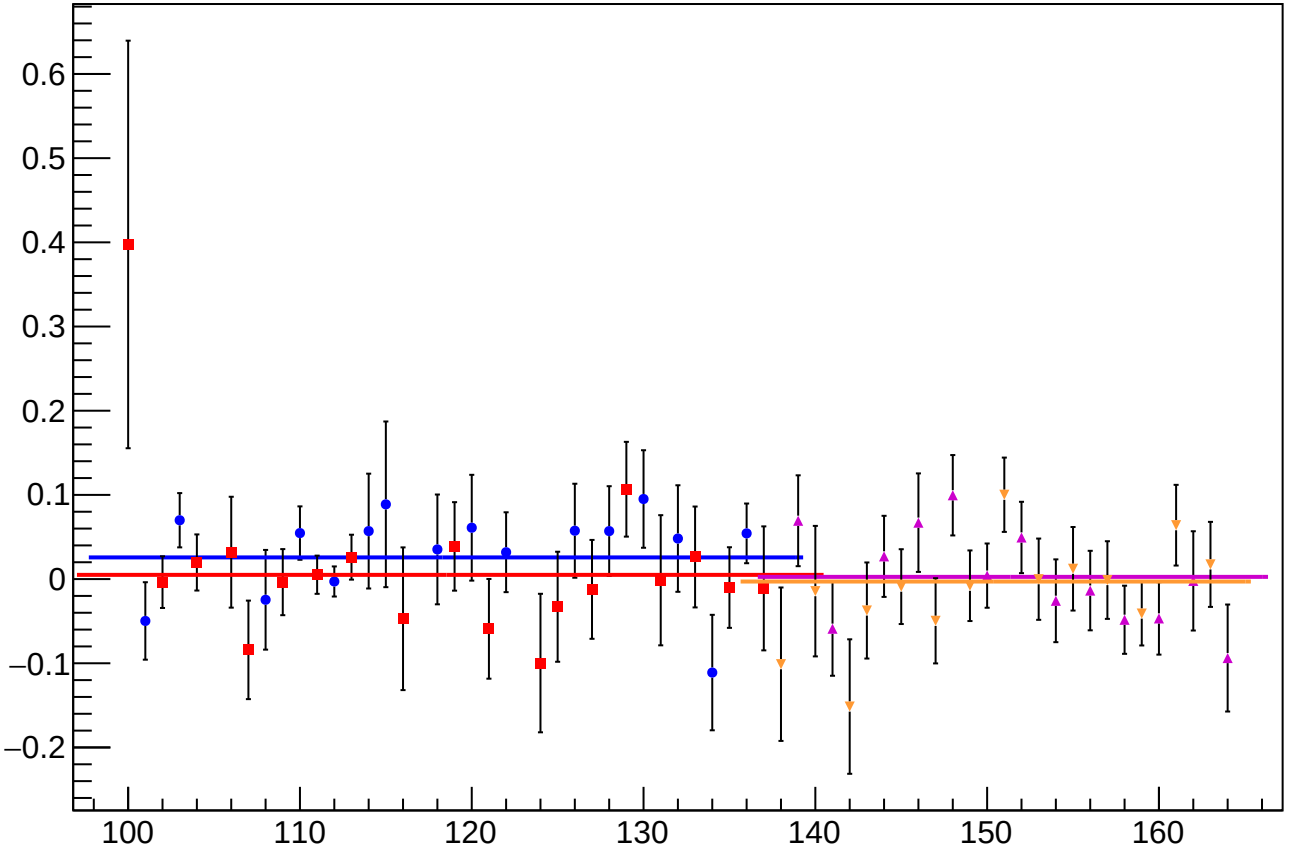
In: 0.000+/-0.000 χ^2/NDF:30.3/28

Out: -0.000+/-0.000 χ^2/NDF:51.4/32

All: 0.000+/-0.000 χ^2/NDF: 82.0/61


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1607331.5/13
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:696836.5/12
Left: 0.002+/-0.000 χ²/NDF: 2377801.1/26
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:7024317.1/28
Out: 0.001+/-0.000 χ²/NDF:9145058.8/32
All: 0.001+/-0.000 χ²/NDF: 16465104.4/61

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: -0.003+/-0.013 χ^2/NDF:14.6/13

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.003+/-0.013 χ^2/NDF:15.2/12

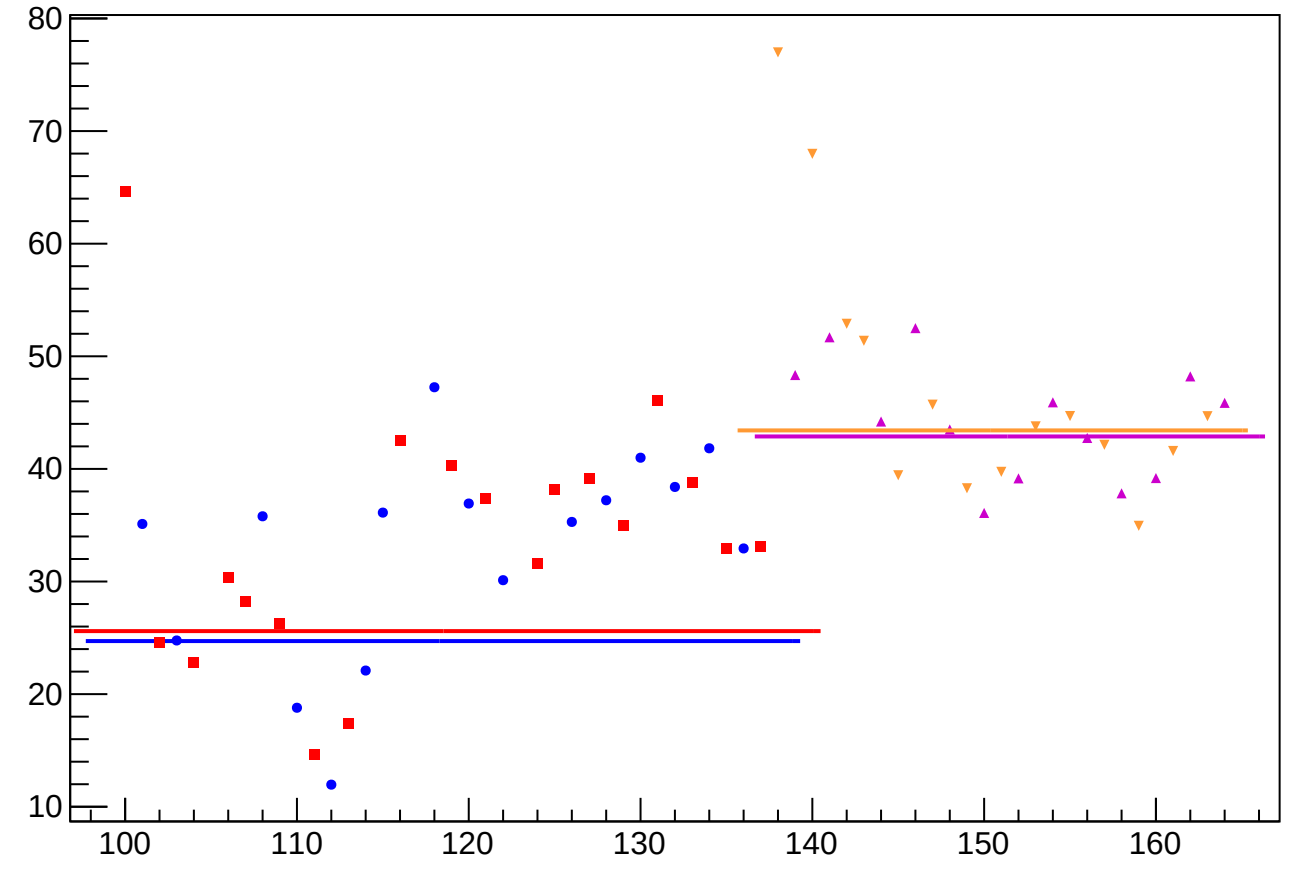
Left: -0.000+/-0.009 χ^2/NDF: 29.9/26

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:33.6/28

Out: 0.002+/-0.008 χ^2/NDF:28.4/32

All: 0.010+/-0.006 χ^2/NDF: 63.7/61



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.419+/-0.009 χ^2/NDF:710226.9/13

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 42.882+/-0.009 χ^2/NDF:279065.2/12

Left: 43.149+/-0.007 χ^2/NDF: 990903.3/26

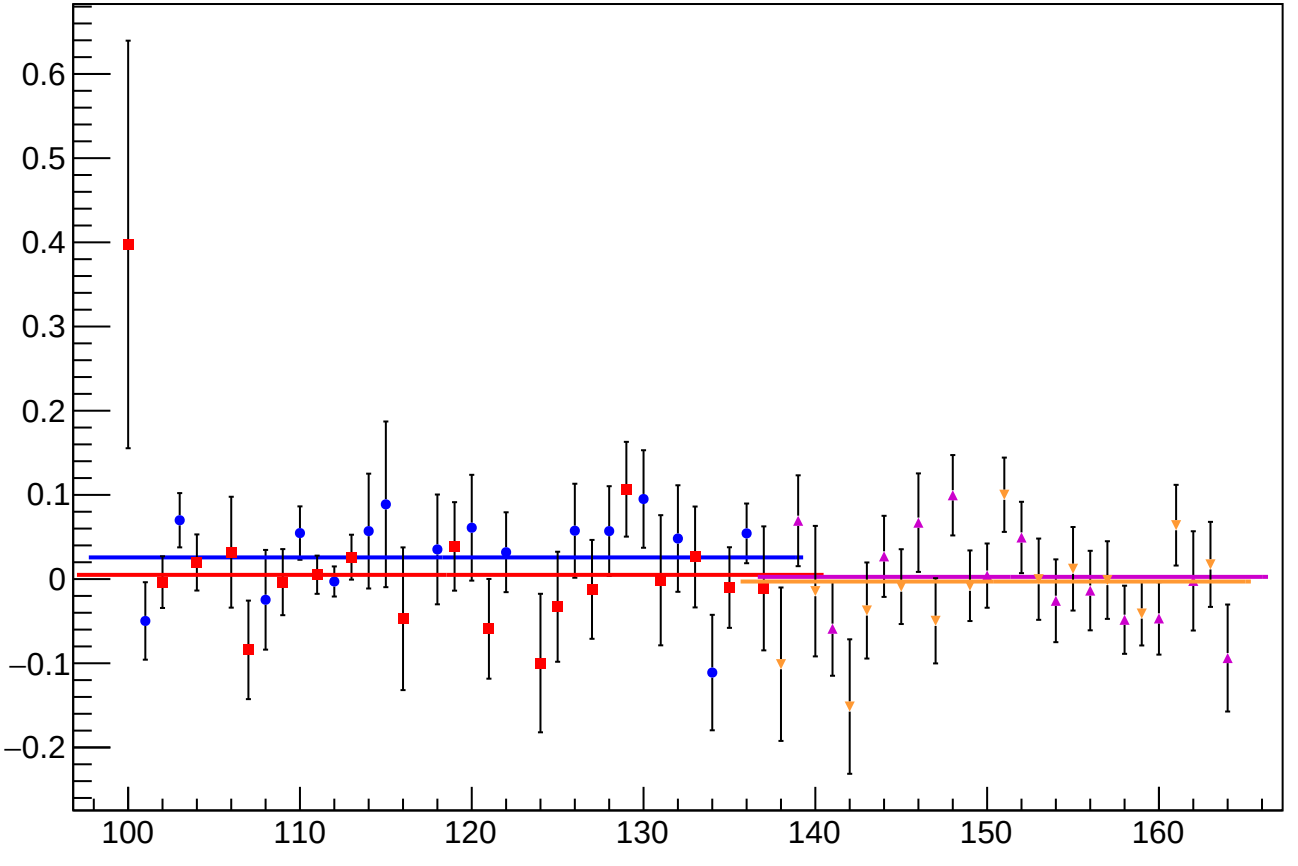
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 31.543+/-0.006 χ^2/NDF:4888908.6/28

Out: 32.247+/-0.006 χ^2/NDF:4529137.4/32

All: 31.894+/-0.004 χ^2/NDF: 9425432.2/61

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: -0.003+/-0.013 χ^2/NDF:14.6/13

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.003+/-0.013 χ^2/NDF:15.2/12

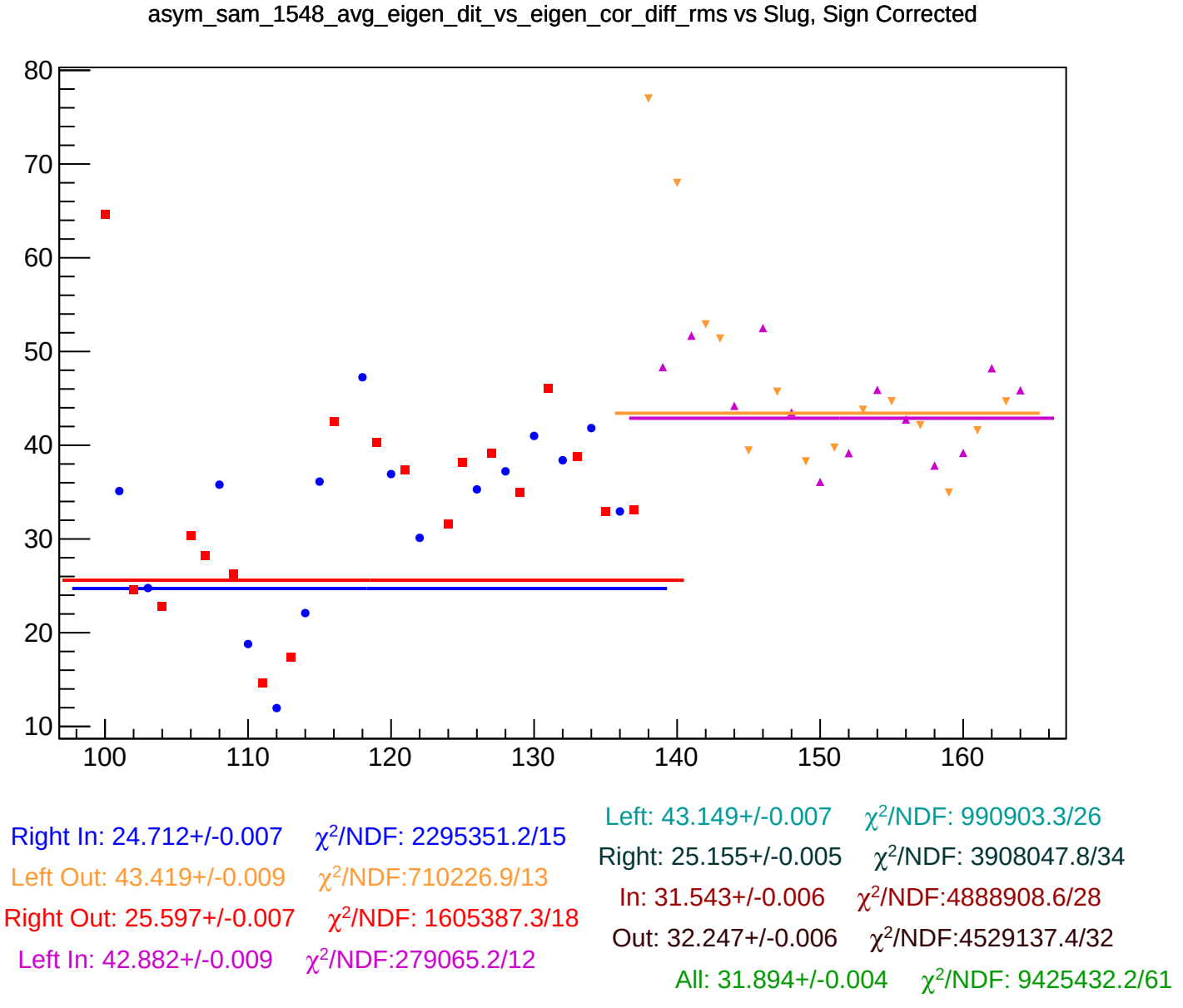
Left: -0.000+/-0.009 χ^2/NDF: 29.9/26

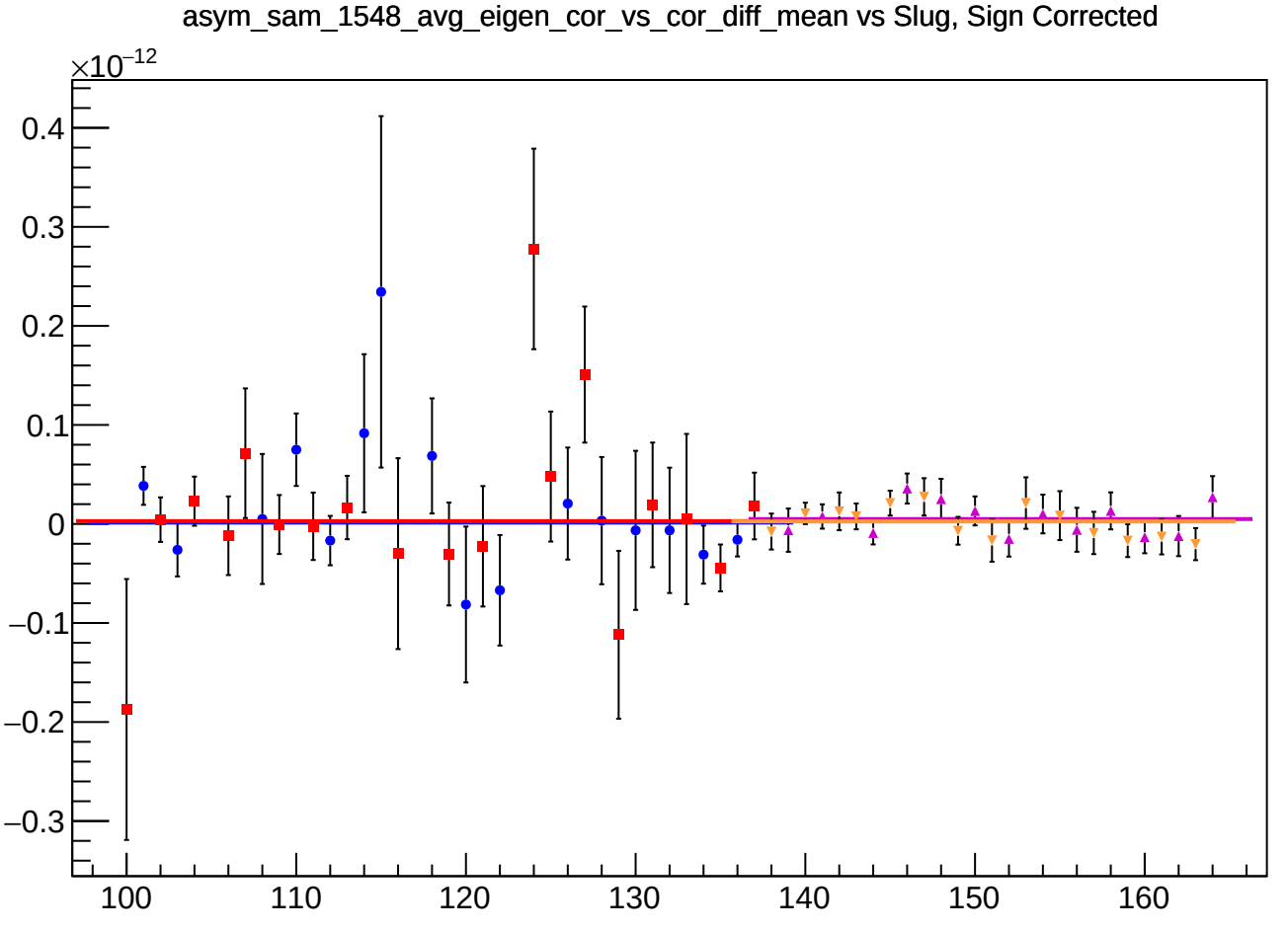
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:33.6/28

Out: 0.002+/-0.008 χ^2/NDF:28.4/32

All: 0.010+/-0.006 χ^2/NDF: 63.7/61


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 43.419+/-0.009 χ²/NDF:710226.9/13
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 42.882+/-0.009 χ²/NDF:279065.2/12
Left: 43.149+/-0.007 χ²/NDF: 990903.3/26
Right: 25.155+/-0.005 χ²/NDF: 3908047.8/34
In: 31.543+/-0.006 χ²/NDF:4888908.6/28
Out: 32.247+/-0.006 χ²/NDF:4529137.4/32
All: 31.894+/-0.004 χ²/NDF: 9425432.2/61



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:12.0/12

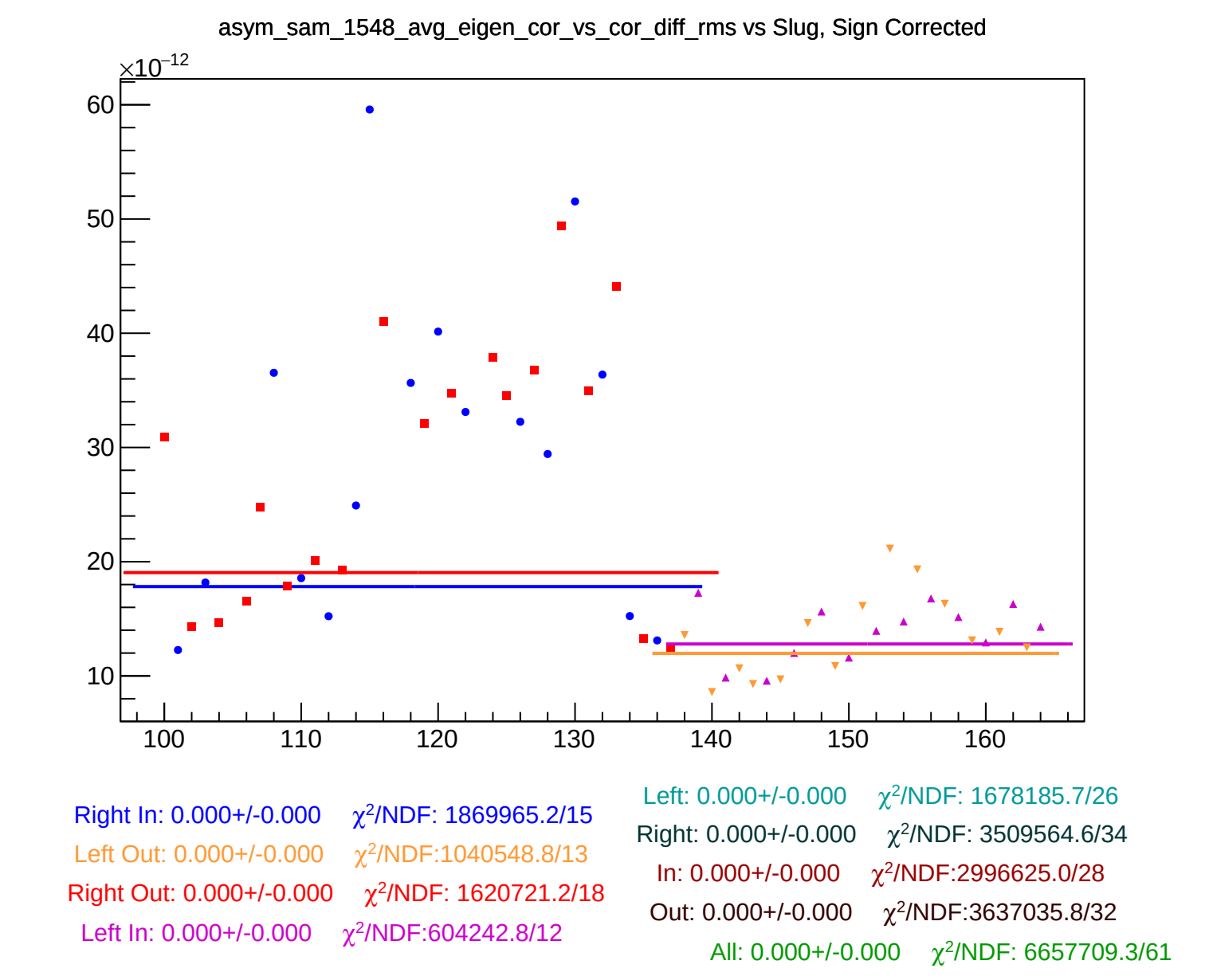
Left: 0.000+/-0.000 χ^2/NDF: 23.6/26

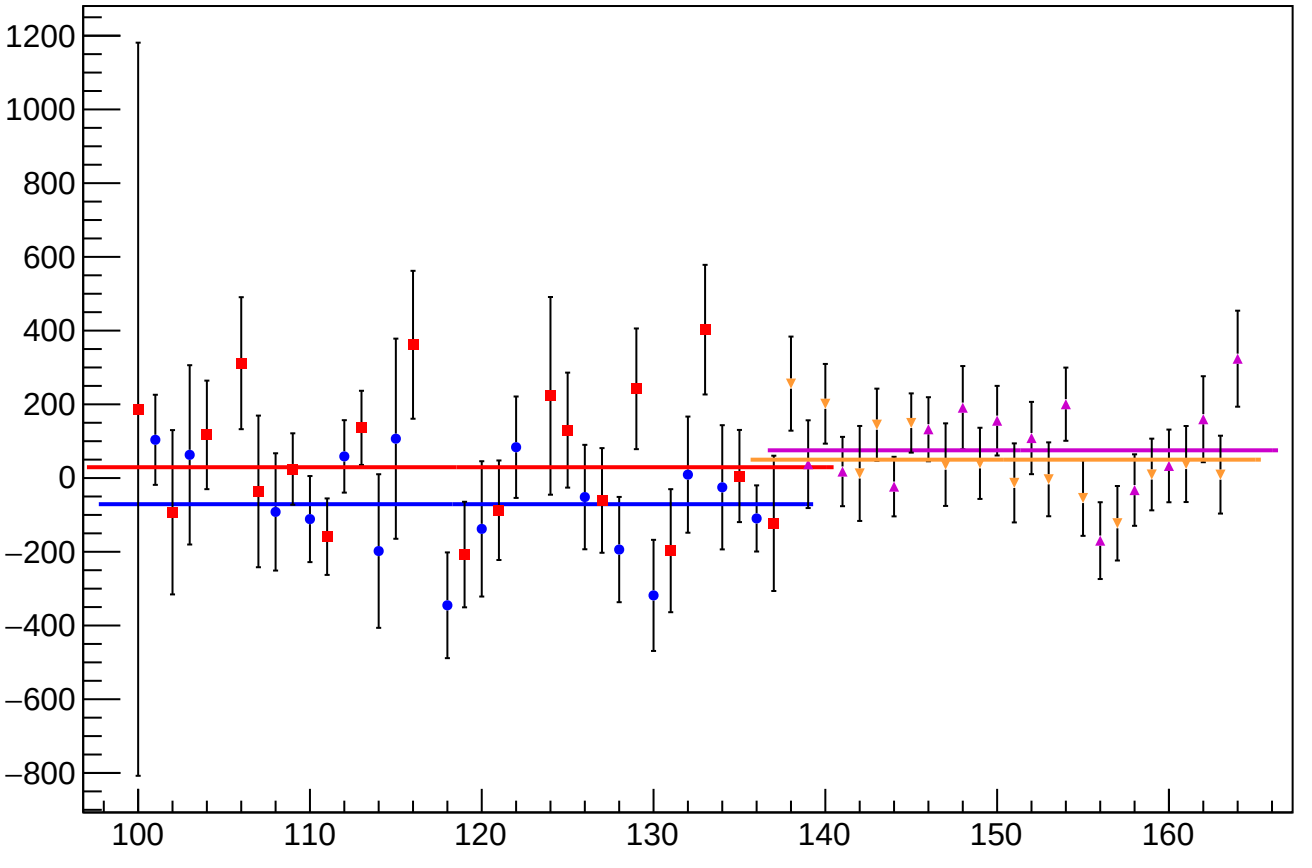
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:30.9/28

Out: 0.000+/-0.000 χ^2/NDF:34.9/32

All: 0.000+/-0.000 χ^2/NDF: 65.8/61


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1040548.8/13
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:604242.8/12
Left: 0.000+/-0.000 χ²/NDF: 1678185.7/26
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:2996625.0/28
Out: 0.000+/-0.000 χ²/NDF:3637035.8/32
All: 0.000+/-0.000 χ²/NDF: 6657709.3/61



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 49.882+/-27.499 χ^2/NDF:12.1/13

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 75.291+/-27.744 χ^2/NDF:17.0/12

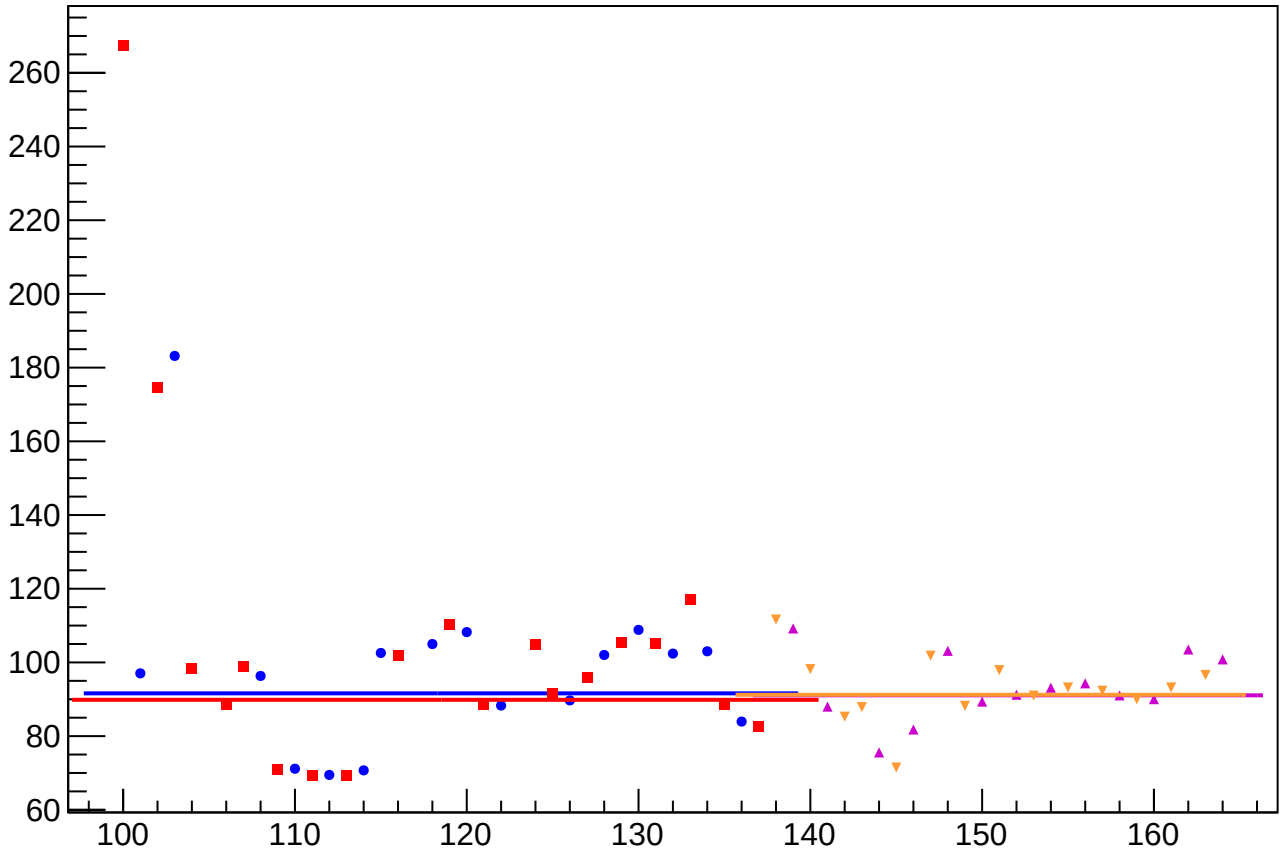
Left: 62.474+/-19.531 χ^2/NDF: 29.5/26

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 19.122+/-21.771 χ^2/NDF:41.7/28

Out: 41.856+/-21.441 χ^2/NDF:36.3/32

All: 30.663+/-15.276 χ^2/NDF: 78.6/61



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 91.218+/-0.019 χ^2/NDF:221664.4/13

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 91.072+/-0.020 χ^2/NDF:205453.7/12

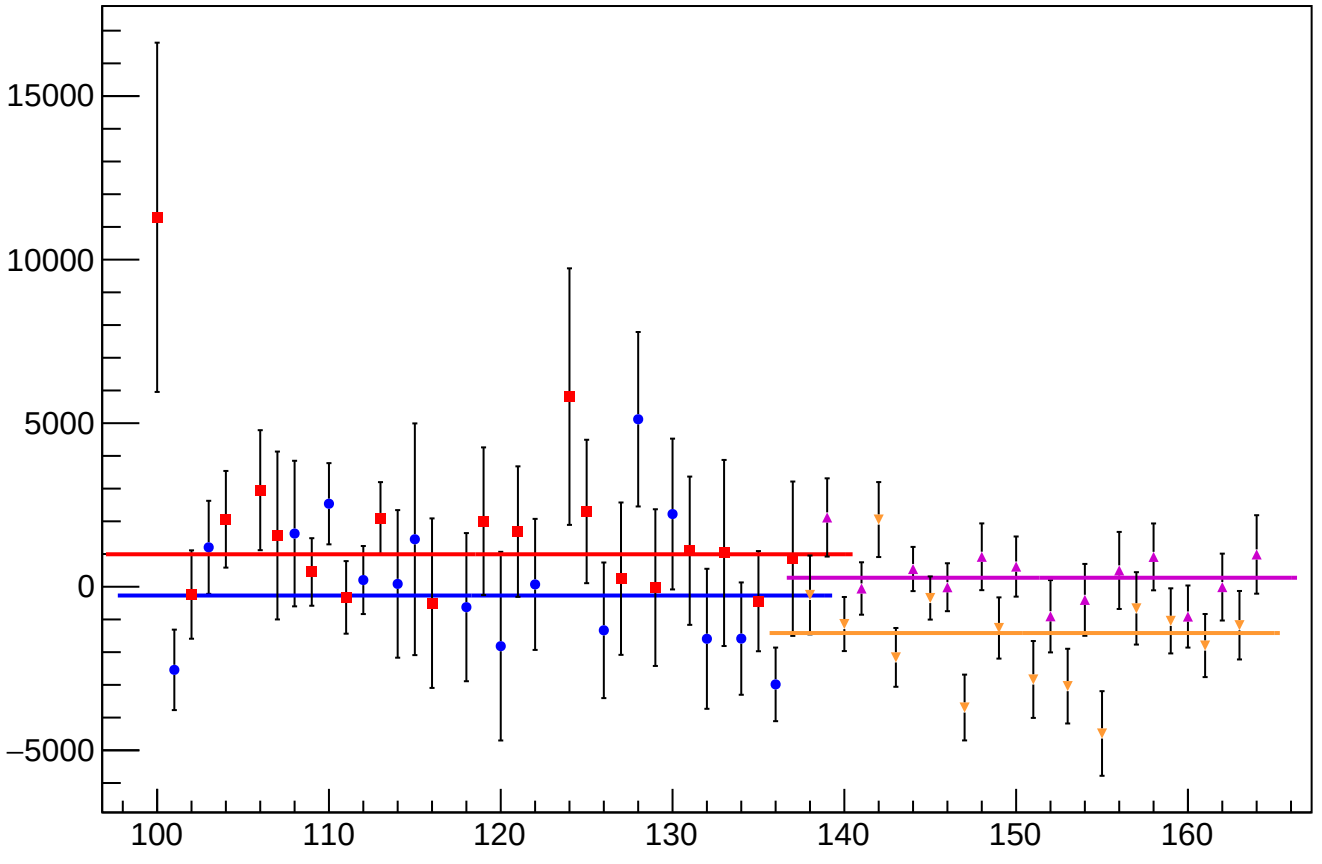
Left: 91.146+/-0.014 χ^2/NDF: 427146.2/26

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 91.278+/-0.015 χ^2/NDF:786413.2/28

Out: 90.684+/-0.015 χ^2/NDF:969882.8/32

All: 90.976+/-0.011 χ^2/NDF: 1757052.5/61



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1415.390+/-262.804 χ^2/NDF:28.6/13

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 274.690+/-262.241 χ^2/NDF:7.3/12

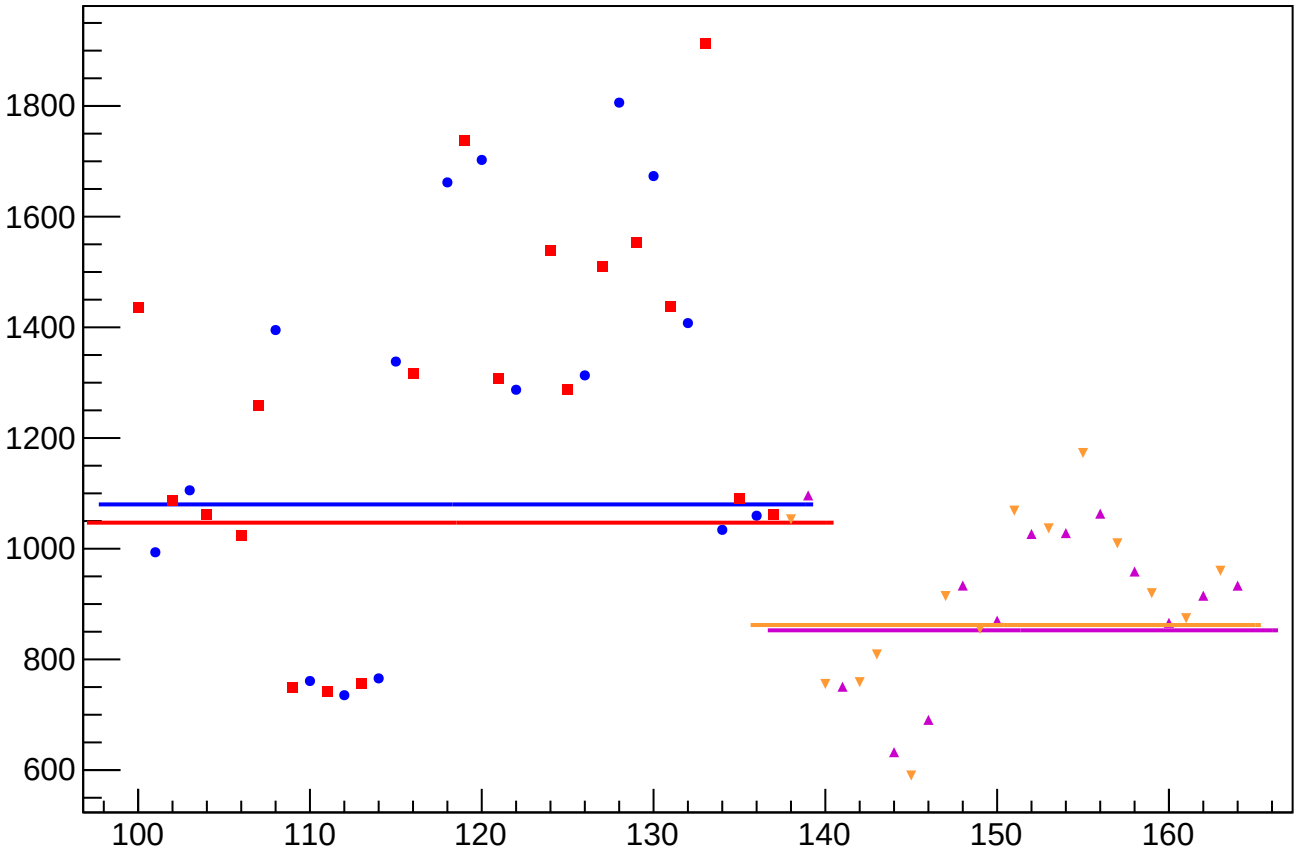
Left: -568.539+/-185.631 χ^2/NDF: 56.6/26

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 122.108+/-222.379 χ^2/NDF:32.0/28

Out: -691.419+/-219.776 χ^2/NDF:66.5/32

All: -289.444+/-156.317 χ^2/NDF: 105.3/61



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 862.138+/-0.186 χ^2/NDF:735912.8/13

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 852.527+/-0.185 χ^2/NDF:642023.1/12

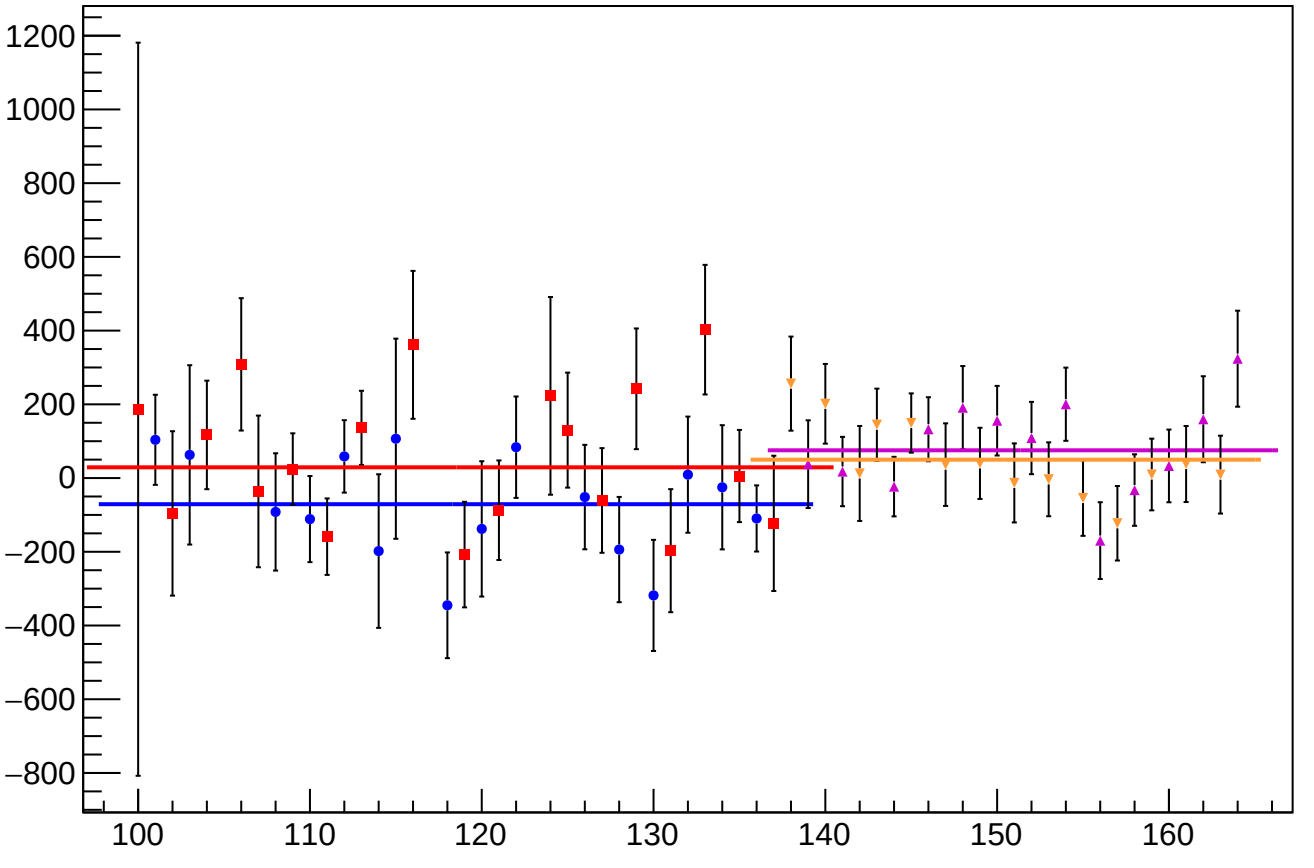
Left: 857.322+/-0.131 χ^2/NDF: 1379276.3/26

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 916.438+/-0.157 χ^2/NDF:2118376.8/28

Out: 917.736+/-0.155 χ^2/NDF:2232294.6/32

All: 917.095+/-0.111 χ^2/NDF: 4350705.9/61



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 49.887+/-27.499 χ^2/NDF:12.1/13

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 75.292+/-27.744 χ^2/NDF:17.0/12

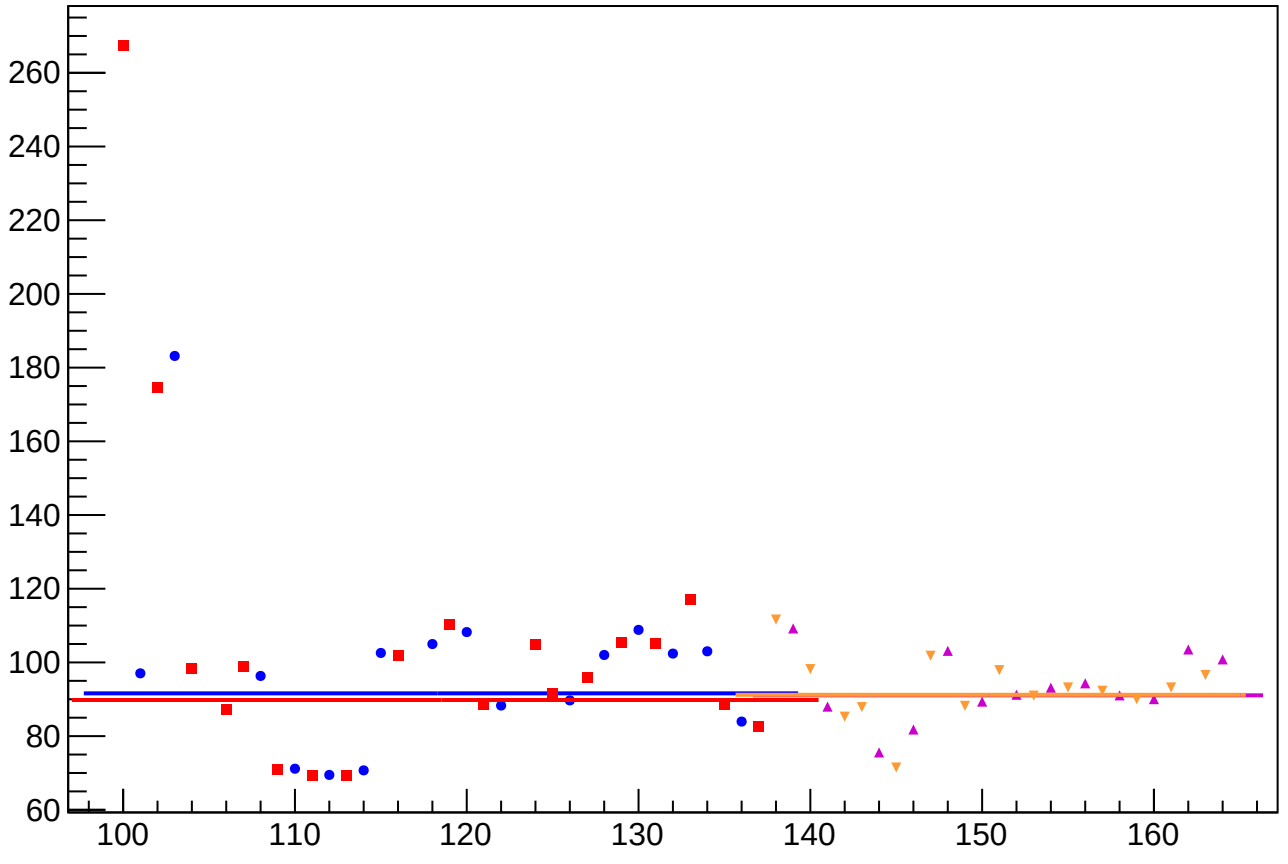
Left: 62.476+/-19.531 χ^2/NDF: 29.5/26

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 19.119+/-21.771 χ^2/NDF:41.7/28

Out: 41.762+/-21.442 χ^2/NDF:36.2/32

All: 30.613+/-15.277 χ^2/NDF: 78.5/61



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.218+/-0.019 χ^2/NDF:221664.4/13

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.072+/-0.020 χ^2/NDF:205453.7/12

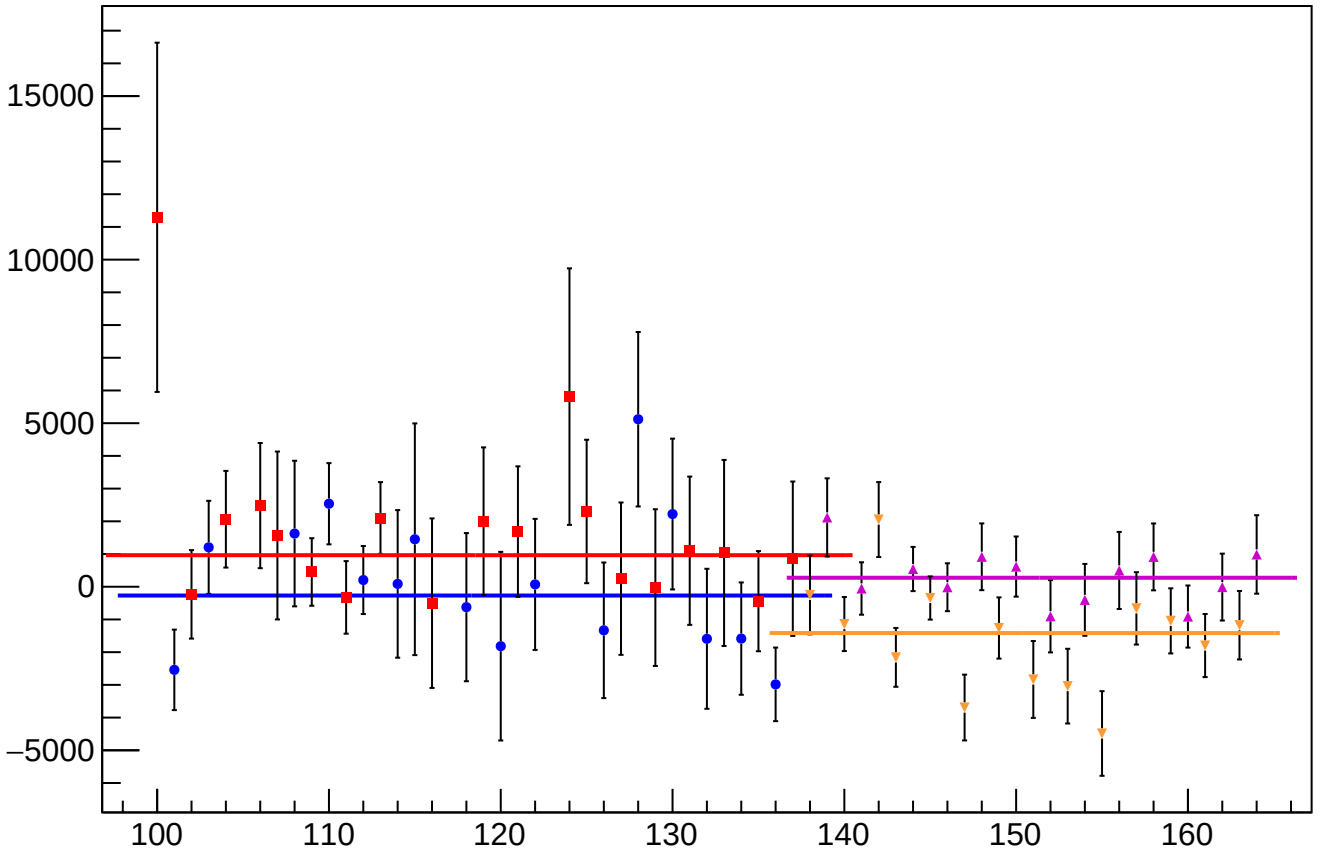
Left: 91.146+/-0.014 χ^2/NDF: 427146.2/26

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.278+/-0.015 χ^2/NDF:786416.4/28

Out: 90.665+/-0.015 χ^2/NDF:970563.4/32

All: 90.967+/-0.011 χ^2/NDF: 1757784.1/61



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1415.385+/-262.804 χ^2/NDF:28.6/13

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 274.695+/-262.241 χ^2/NDF:7.3/12

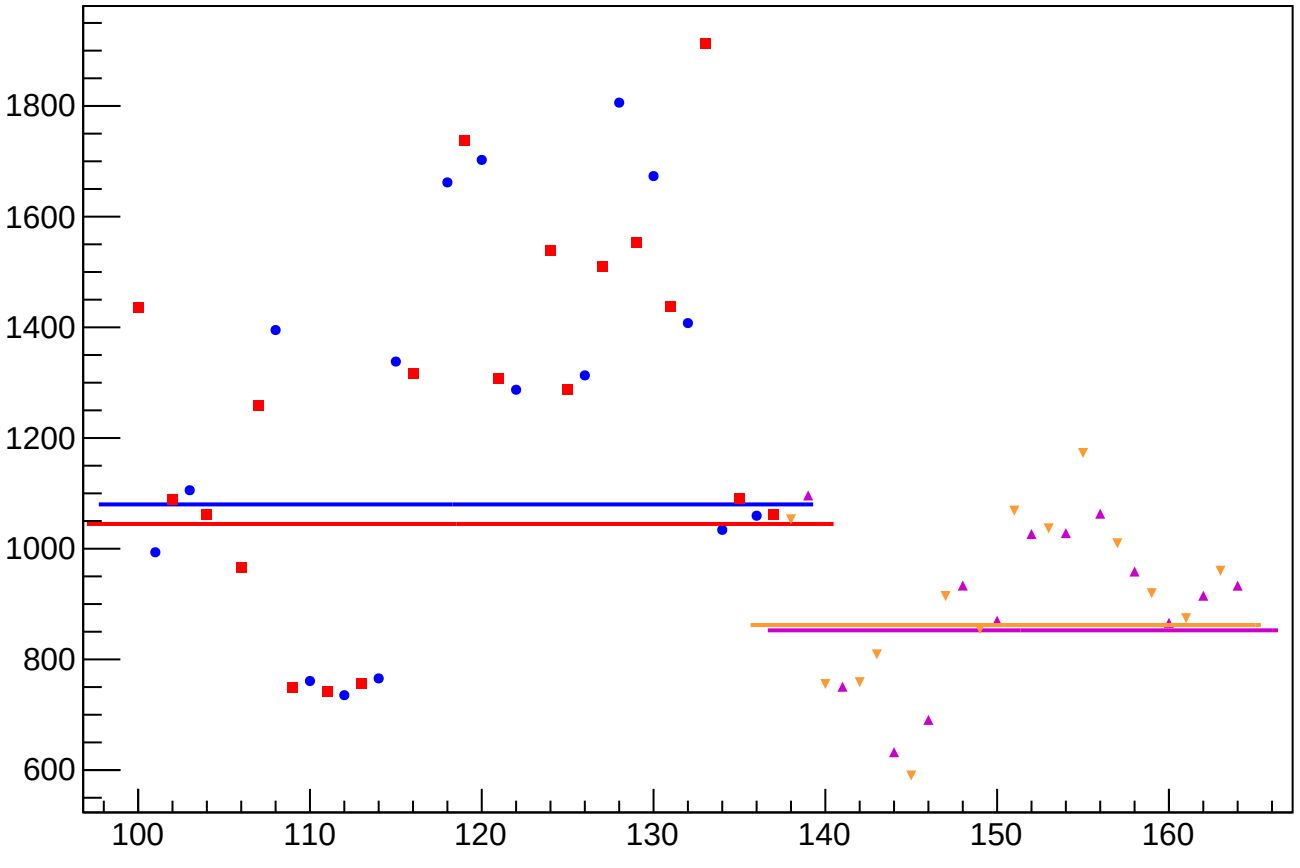
Left: -568.535+/-185.631 χ^2/NDF: 56.6/26

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 122.108+/-222.380 χ^2/NDF:32.0/28

Out: -701.755+/-219.909 χ^2/NDF:65.3/32

All: -294.425+/-156.365 χ^2/NDF: 104.2/61



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 862.138+/-0.186 χ^2/NDF:735915.0/13

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 852.527+/-0.185 χ^2/NDF:642021.5/12

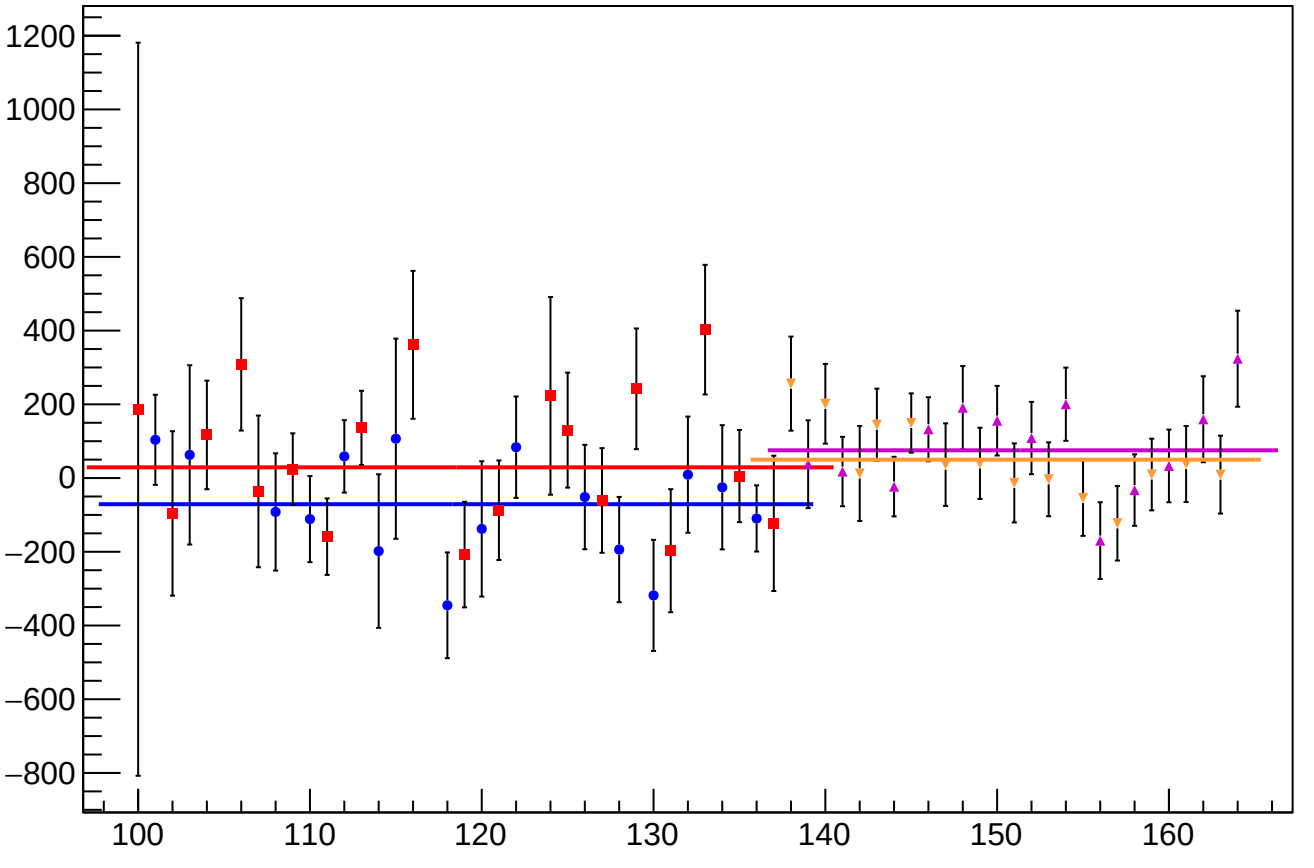
Left: 857.322+/-0.131 χ^2/NDF: 1379276.9/26

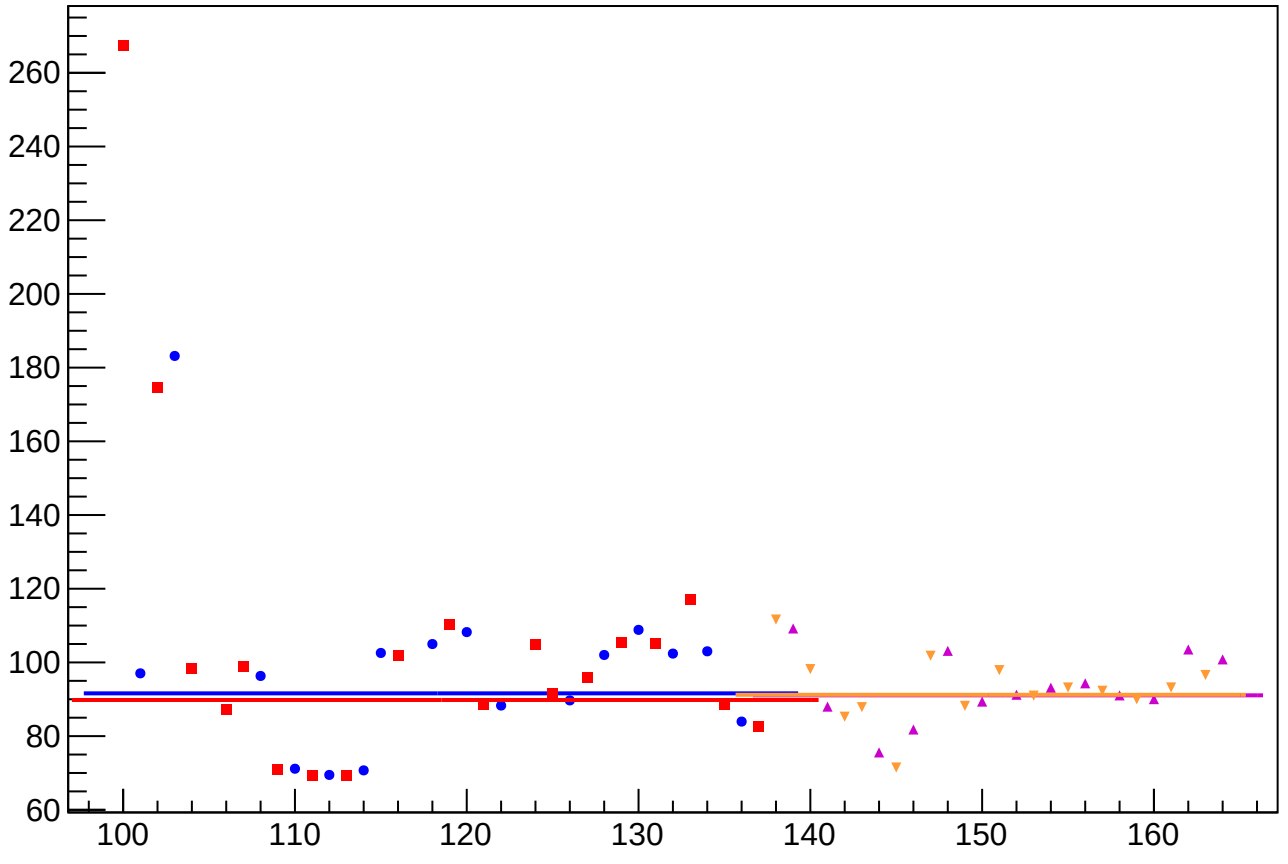
Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 916.440+/-0.157 χ^2/NDF:2118408.4/28

Out: 916.875+/-0.155 χ^2/NDF:2227137.8/32

All: 916.660+/-0.111 χ^2/NDF: 4345550.1/61


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
160
Right In: -70.903+/-35.122 χ²/NDF: 14.1/15
Left Out: 49.887+/-27.499 χ²/NDF:12.1/13
Right Out: 29.159+/-34.247 χ²/NDF: 24.0/18
Left In: 75.292+/-27.744 χ²/NDF:17.0/12
Left: 62.476+/-19.531 χ²/NDF: 29.5/26
Right: -19.610+/-24.520 χ²/NDF: 42.2/34
In: 19.119+/-21.771 χ²/NDF:41.7/28
Out: 41.762+/-21.442 χ²/NDF:36.2/32
All: 30.613+/-15.277 χ²/NDF: 78.5/61



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.218+/-0.019 χ^2/NDF:221664.4/13

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 91.072+/-0.020 χ^2/NDF:205453.7/12

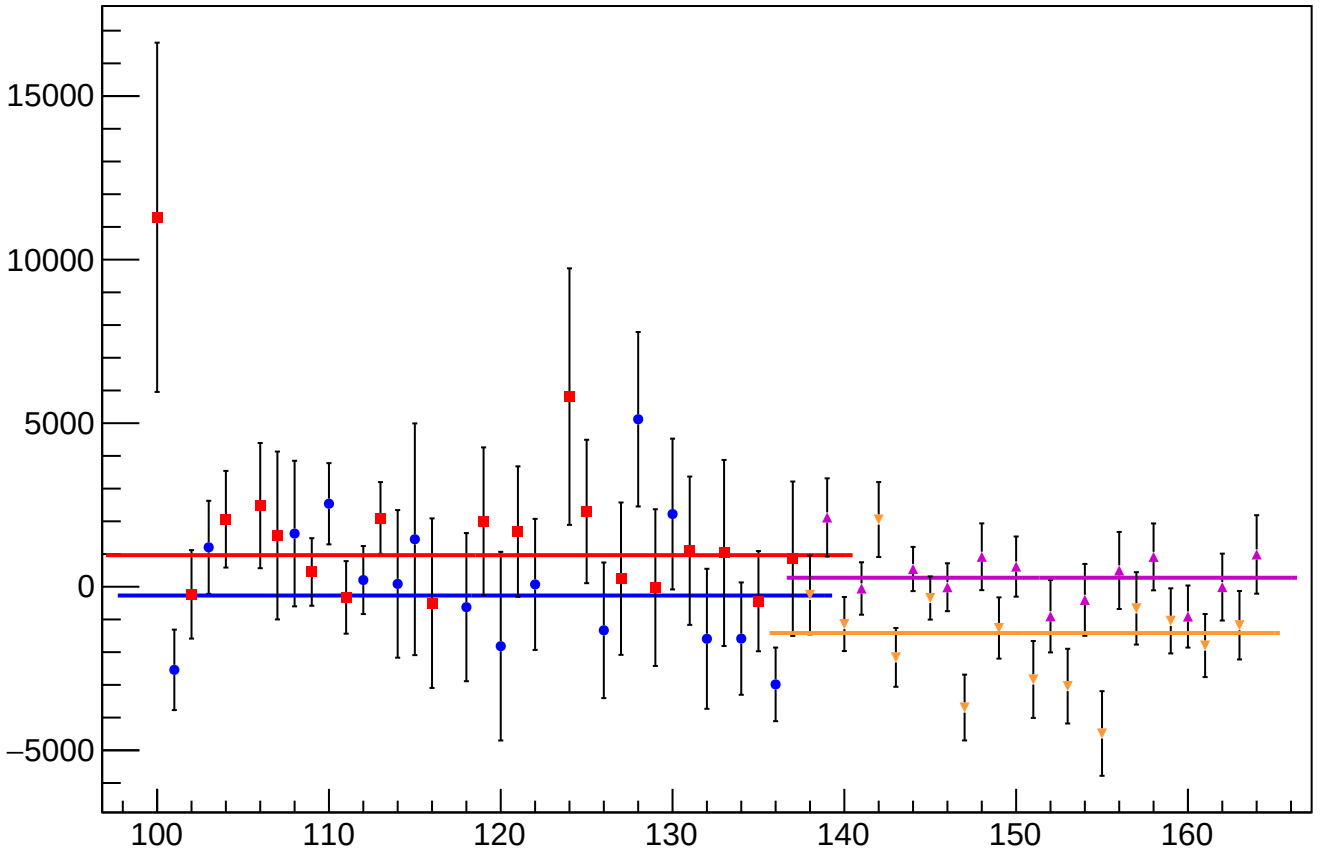
Left: 91.146+/-0.014 χ^2/NDF: 427146.2/26

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.278+/-0.015 χ^2/NDF:786416.4/28

Out: 90.665+/-0.015 χ^2/NDF:970563.4/32

All: 90.967+/-0.011 χ^2/NDF: 1757784.1/61



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1415.385+/-262.804 χ^2/NDF:28.6/13

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 274.695+/-262.241 χ^2/NDF:7.3/12

Left: -568.535+/-185.631 χ^2/NDF: 56.6/26

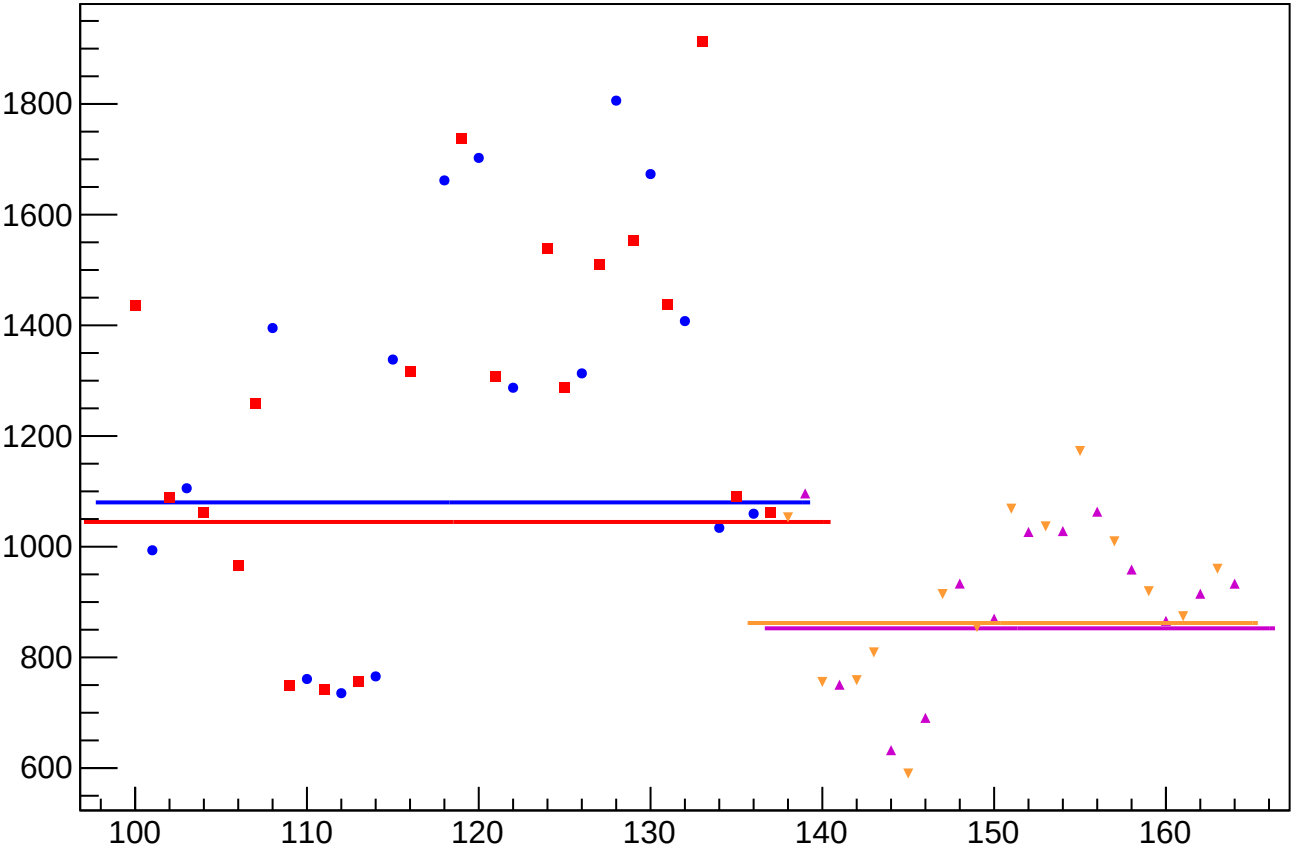
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 122.108+/-222.380 χ^2/NDF:32.0/28

Out: -701.755+/-219.909 χ^2/NDF:65.3/32

All: -294.425+/-156.365 χ^2/NDF: 104.2/61

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 862.138+/-0.186 χ^2/NDF:735915.0/13

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 852.527+/-0.185 χ^2/NDF:642021.5/12

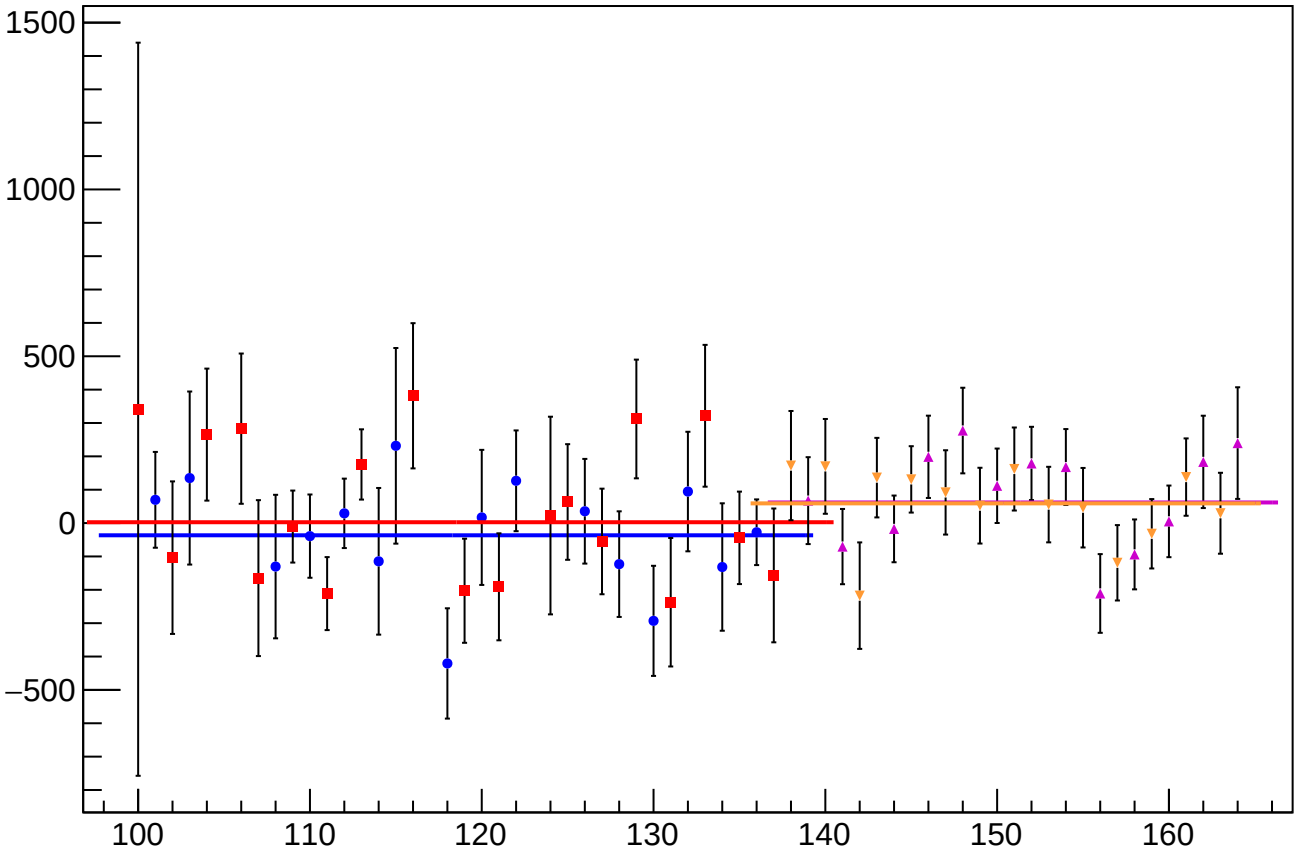
Left: 857.322+/-0.131 χ^2/NDF: 1379276.9/26

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 916.440+/-0.157 χ^2/NDF:2118408.4/28

Out: 916.875+/-0.155 χ^2/NDF:2227137.8/32

All: 916.660+/-0.111 χ^2/NDF: 4345550.1/61



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 59.086+/-32.208 χ^2/NDF:9.6/13

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 61.810+/-32.577 χ^2/NDF:18.0/12

Left: 60.433+/-22.904 χ^2/NDF: 27.6/26

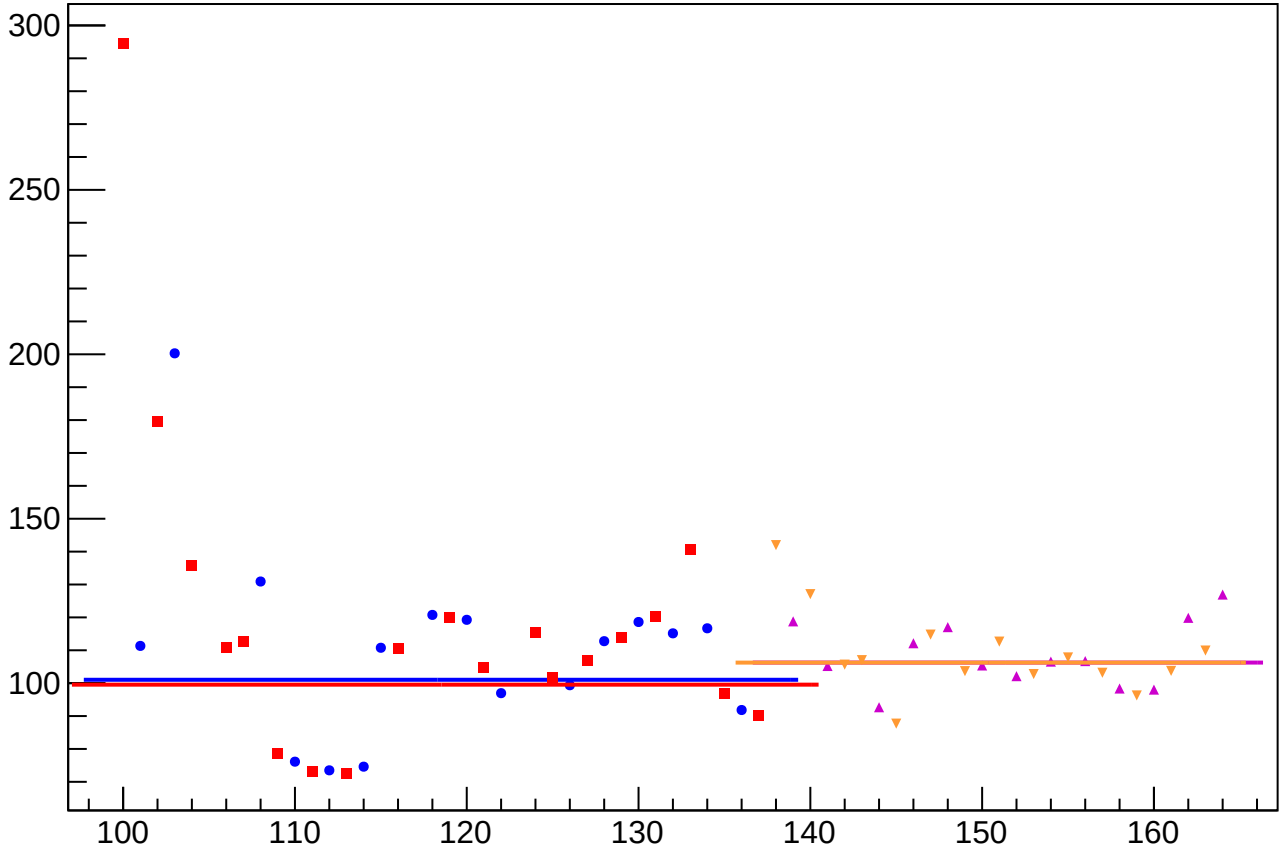
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 21.358+/-25.000 χ^2/NDF:34.6/28

Out: 35.577+/-24.614 χ^2/NDF:35.6/32

All: 28.578+/-17.540 χ^2/NDF: 70.4/61

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 106.252+/-0.023 χ^2/NDF:248272.8/13

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 106.261+/-0.023 χ^2/NDF:150242.4/12

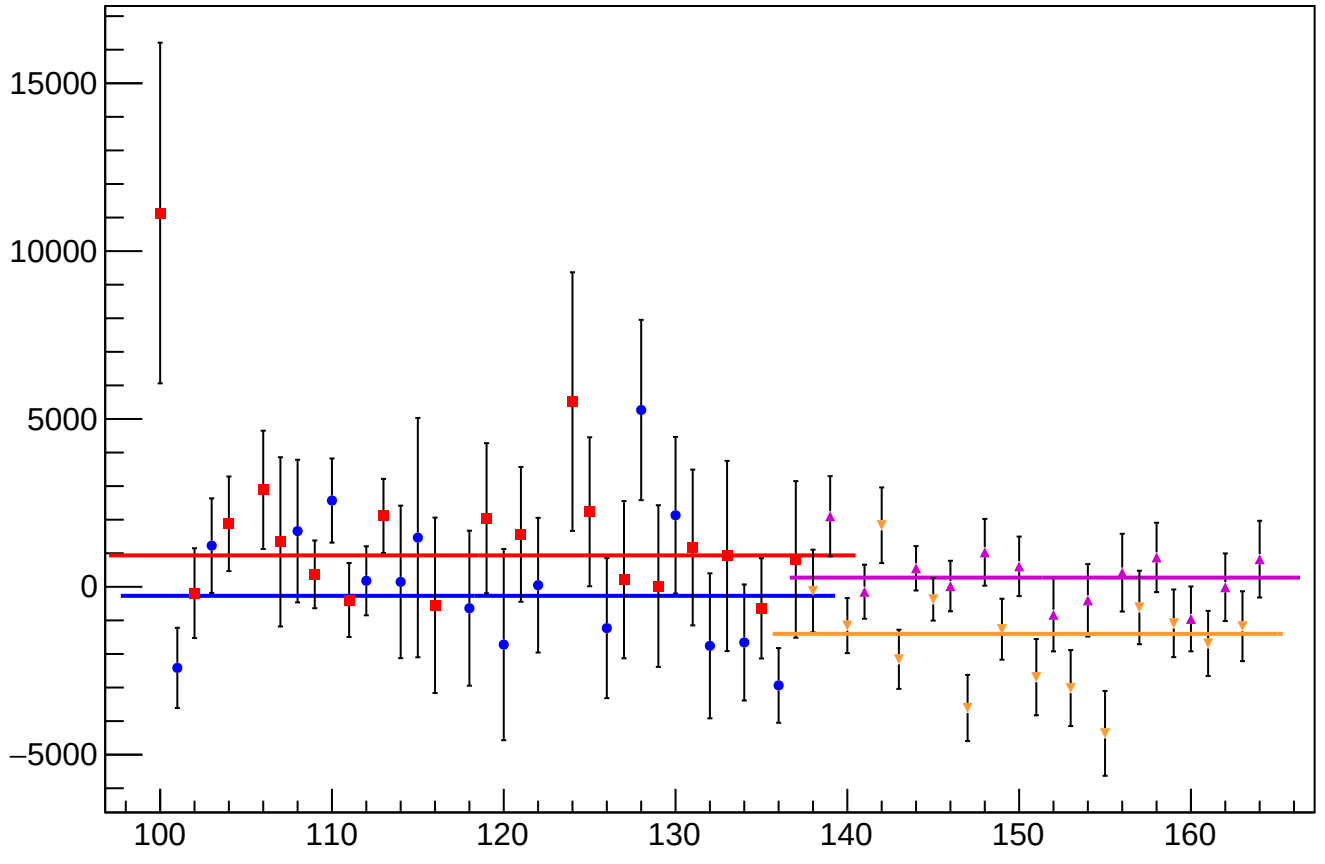
Left: 106.257+/-0.016 χ^2/NDF: 398515.3/26

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 104.111+/-0.018 χ^2/NDF:887531.4/28

Out: 103.463+/-0.017 χ^2/NDF:1164821.2/32

All: 103.782+/-0.012 χ^2/NDF: 2053035.7/61



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1401.029+/-258.699 χ^2/NDF:27.4/13

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 273.998+/-259.999 χ^2/NDF:7.3/12

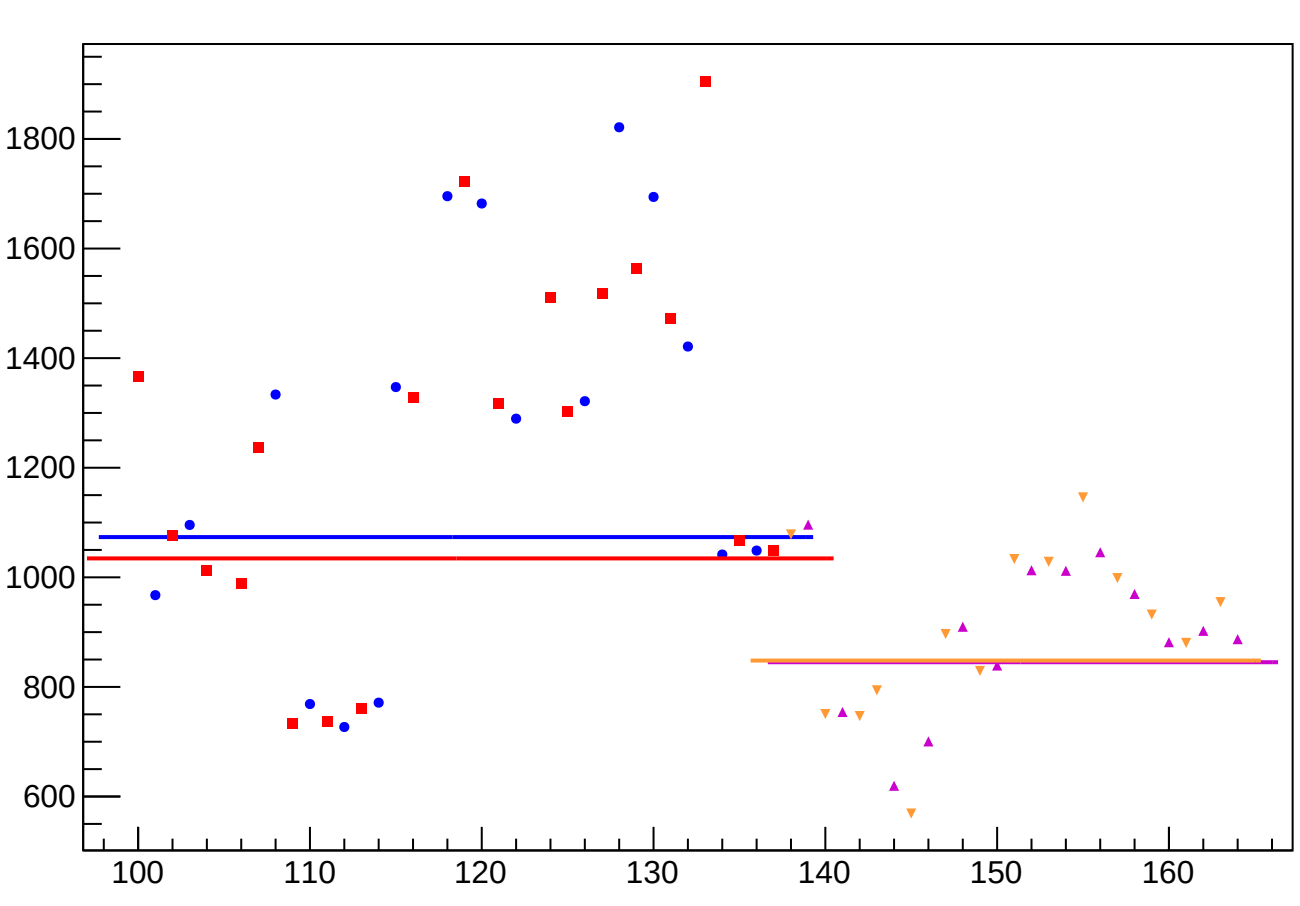
Left: -567.713+/-183.386 χ^2/NDF: 55.6/26

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 122.342+/-220.637 χ^2/NDF:32.0/28

Out: -702.340+/-216.618 χ^2/NDF:64.9/32

All: -297.578+/-154.573 χ^2/NDF: 104.1/61



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 848.144+/-0.183 χ^2/NDF:805698.0/13

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 845.076+/-0.184 χ^2/NDF:625085.1/12

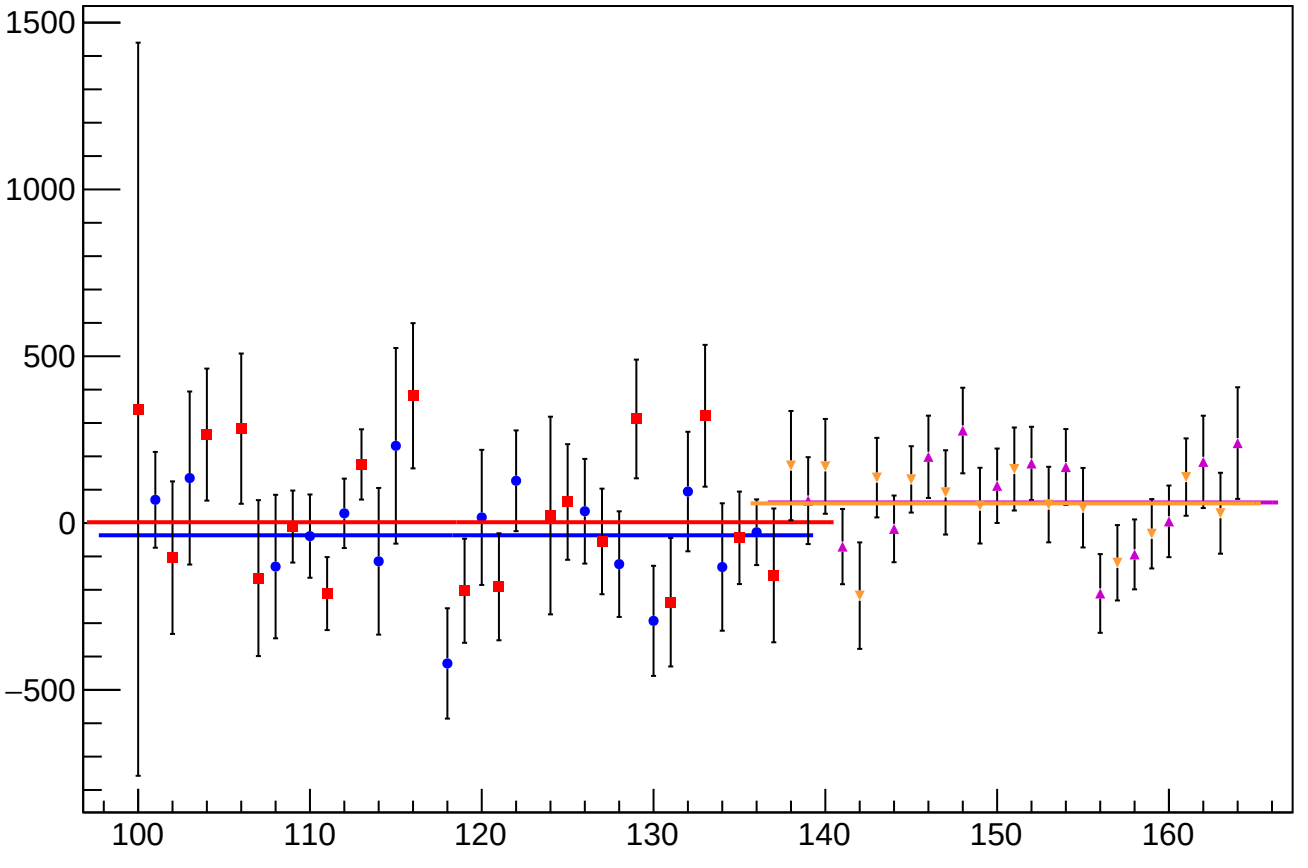
Left: 846.618+/-0.130 χ^2/NDF: 1430923.1/26

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 908.993+/-0.156 χ^2/NDF:2134013.5/28

Out: 903.851+/-0.153 χ^2/NDF:2345334.9/32

All: 906.375+/-0.109 χ^2/NDF: 4479901.4/61



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 59.089+/-32.209 χ^2/NDF:9.6/13

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 61.810+/-32.577 χ^2/NDF:18.0/12

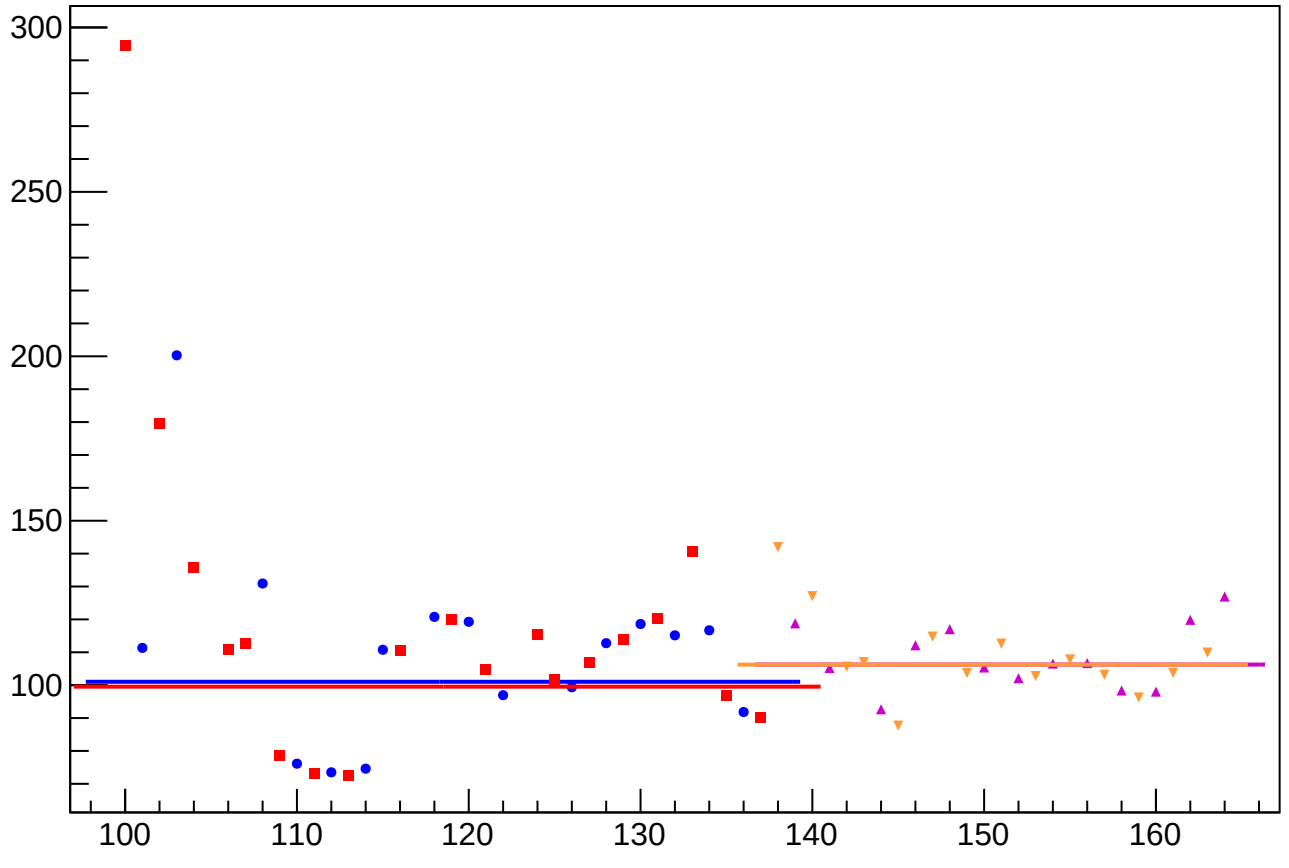
Left: 60.434+/-22.904 χ^2/NDF: 27.6/26

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 21.358+/-25.000 χ^2/NDF:34.6/28

Out: 35.577+/-24.614 χ^2/NDF:35.6/32

All: 28.578+/-17.540 χ^2/NDF: 70.4/61



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 106.252+/-0.023 χ^2/NDF:248267.7/13

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 106.262+/-0.023 χ^2/NDF:150241.4/12

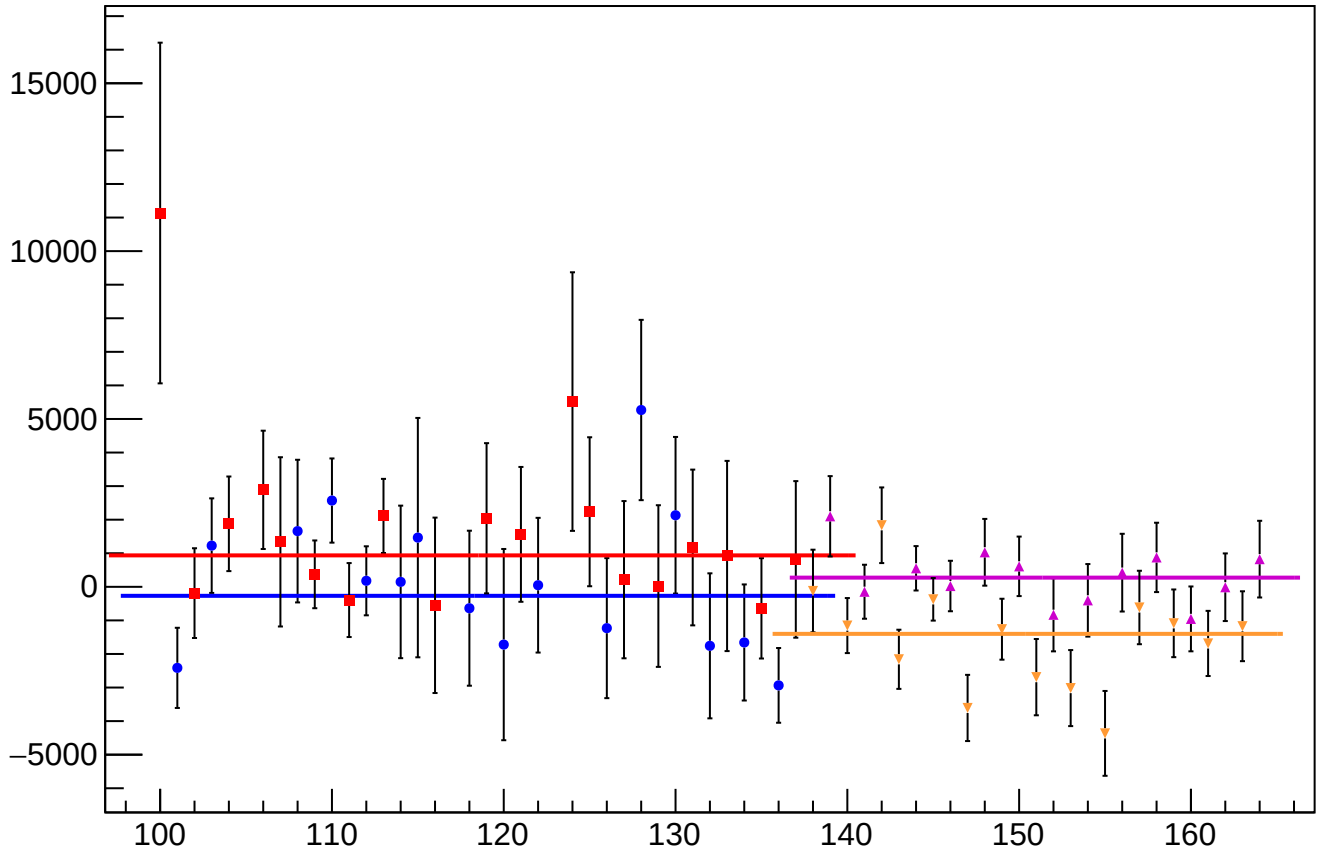
Left: 106.257+/-0.016 χ^2/NDF: 398509.2/26

Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 104.112+/-0.018 χ^2/NDF:887530.9/28

Out: 103.463+/-0.017 χ^2/NDF:1164821.1/32

All: 103.782+/-0.012 χ^2/NDF: 2053035.0/61



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1401.027+/-258.699 χ^2/NDF:27.4/13

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 273.997+/-259.999 χ^2/NDF:7.3/12

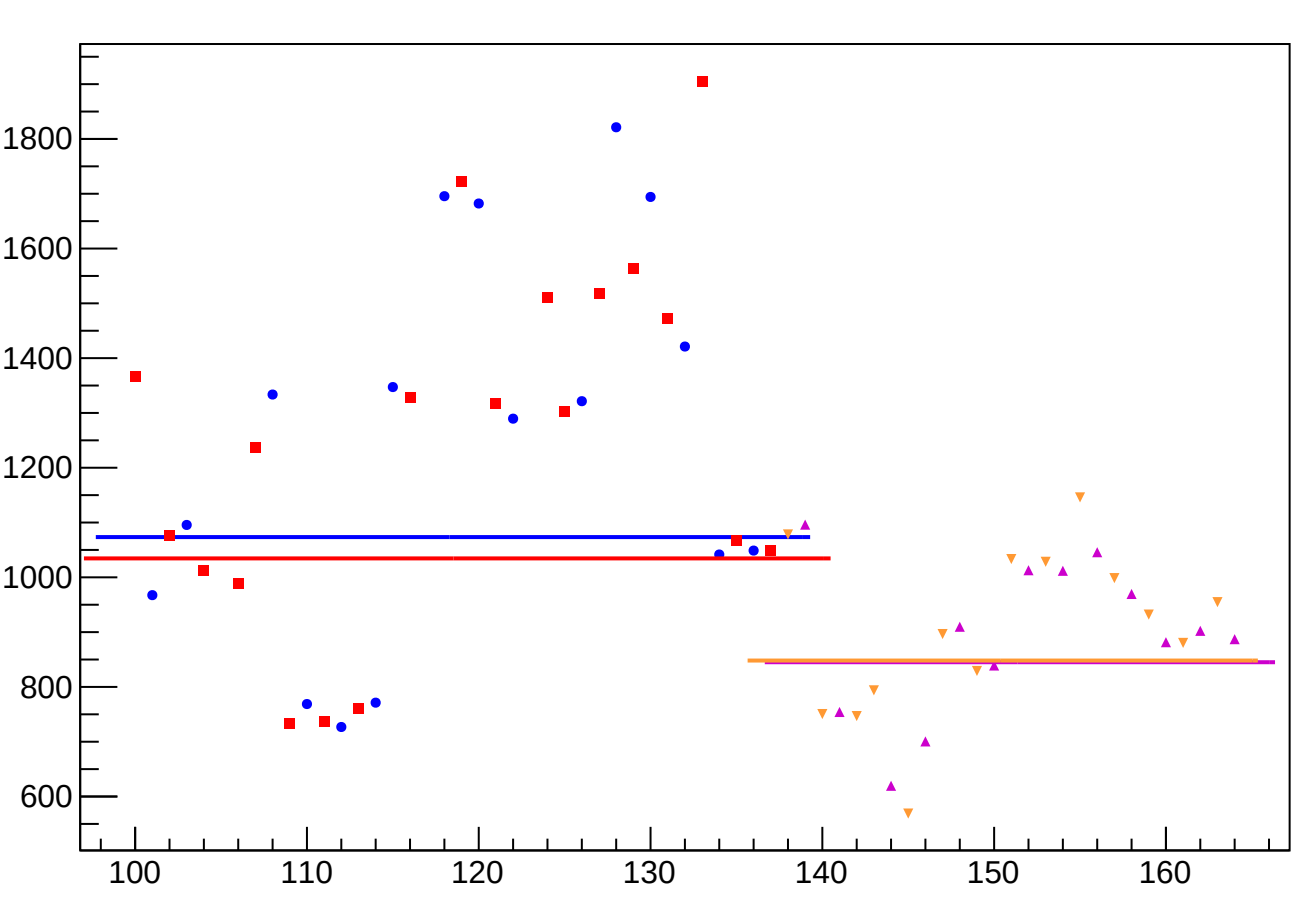
Left: -567.713+/-183.386 χ^2/NDF: 55.6/26

Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 122.341+/-220.636 χ^2/NDF:32.0/28

Out: -702.339+/-216.617 χ^2/NDF:64.9/32

All: -297.578+/-154.573 χ^2/NDF: 104.1/61



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 848.143+/-0.183 χ^2/NDF:805700.9/13

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 845.075+/-0.184 χ^2/NDF:625083.7/12

Left: 846.617+/-0.130 χ^2/NDF: 1430924.6/26

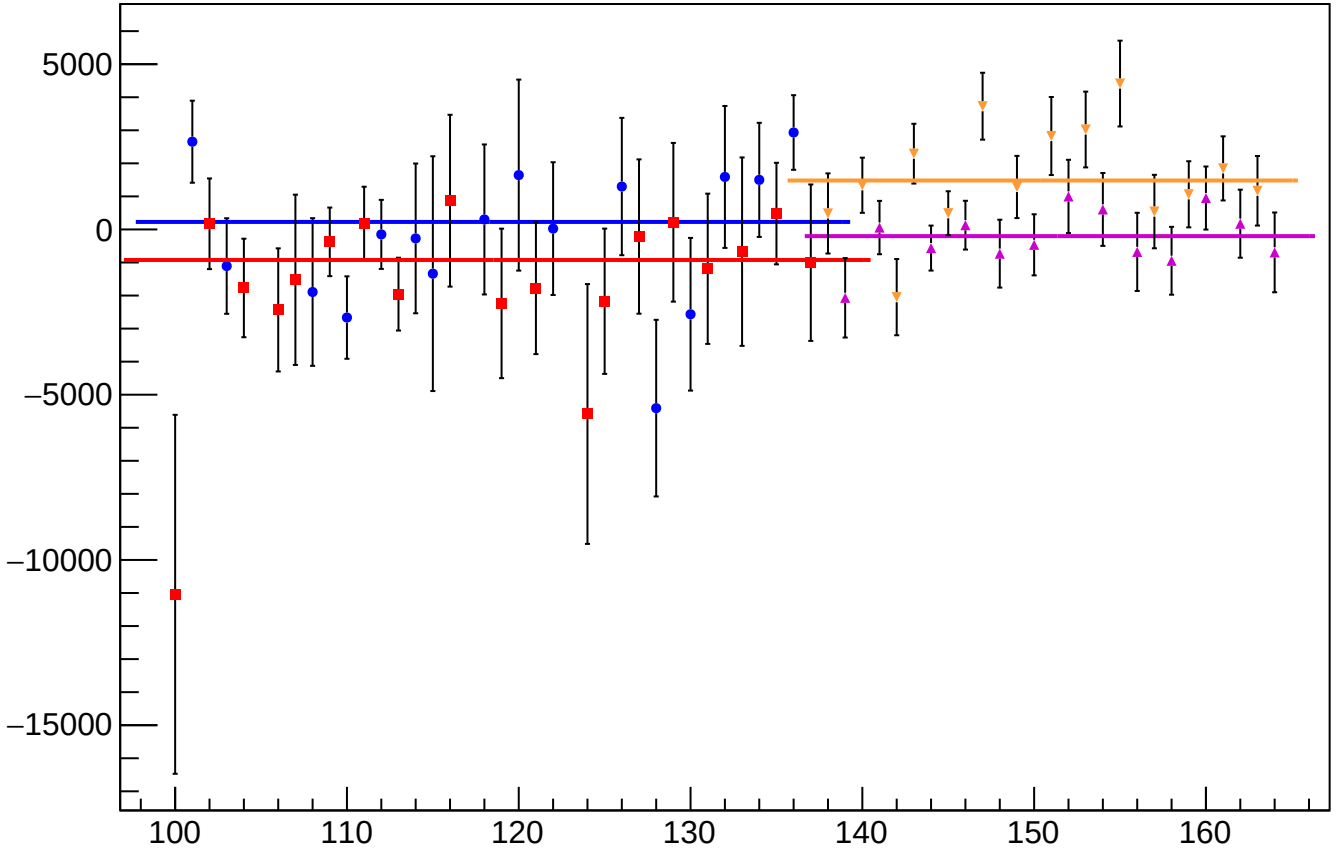
Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 908.991+/-0.156 χ^2/NDF:2134015.6/28

Out: 903.850+/-0.153 χ^2/NDF:2345340.1/32

All: 906.373+/-0.109 χ^2/NDF: 4479908.7/61

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1480.764+/-264.369 χ^2/NDF:27.4/13

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -202.345+/-263.809 χ^2/NDF:7.5/12

Left: 637.425+/-186.739 χ^2/NDF: 55.2/26

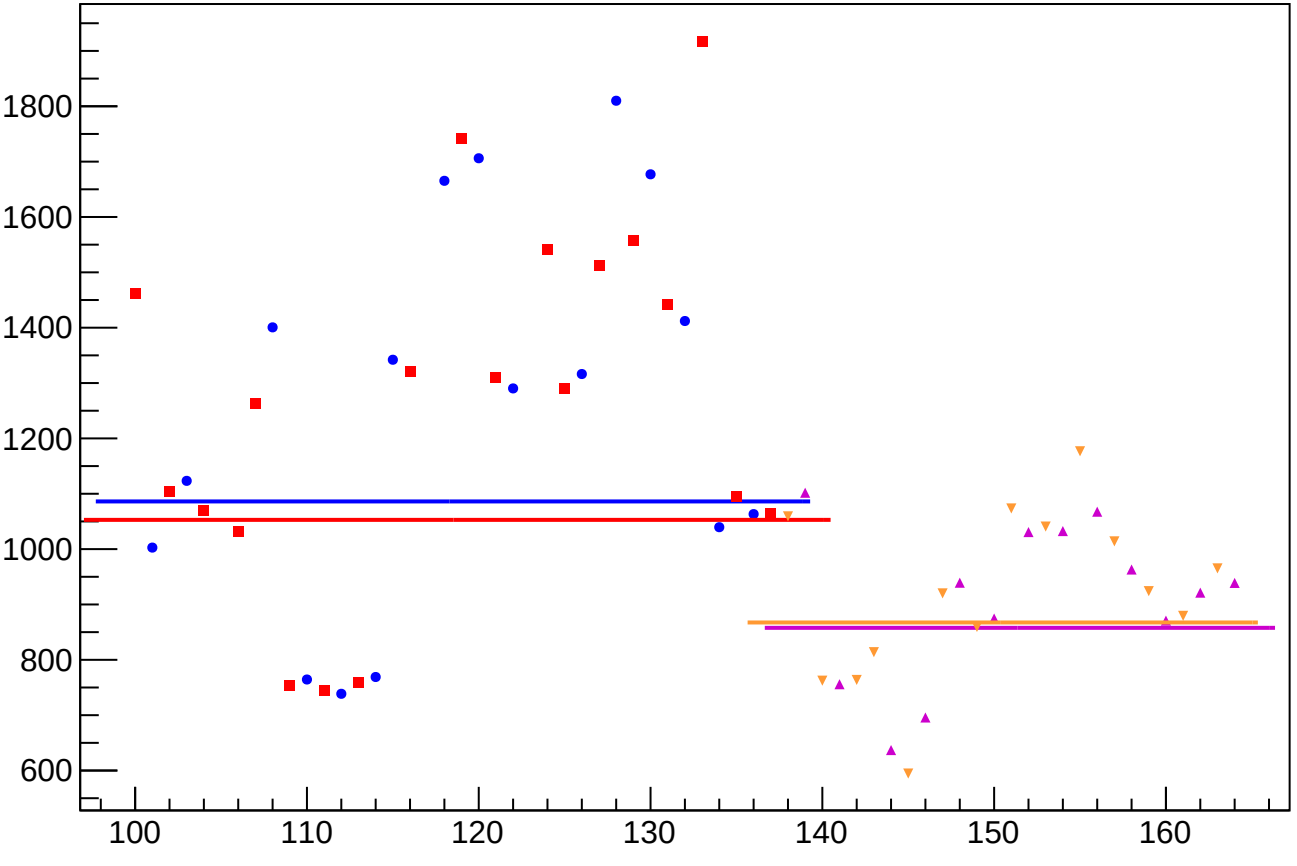
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -81.496+/-223.672 χ^2/NDF:32.7/28

Out: 757.614+/-221.067 χ^2/NDF:63.5/32

All: 342.973+/-157.231 χ^2/NDF: 103.3/61

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 867.479+/-0.187 χ^2/NDF:726378.5/13

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 857.795+/-0.187 χ^2/NDF:634340.4/12

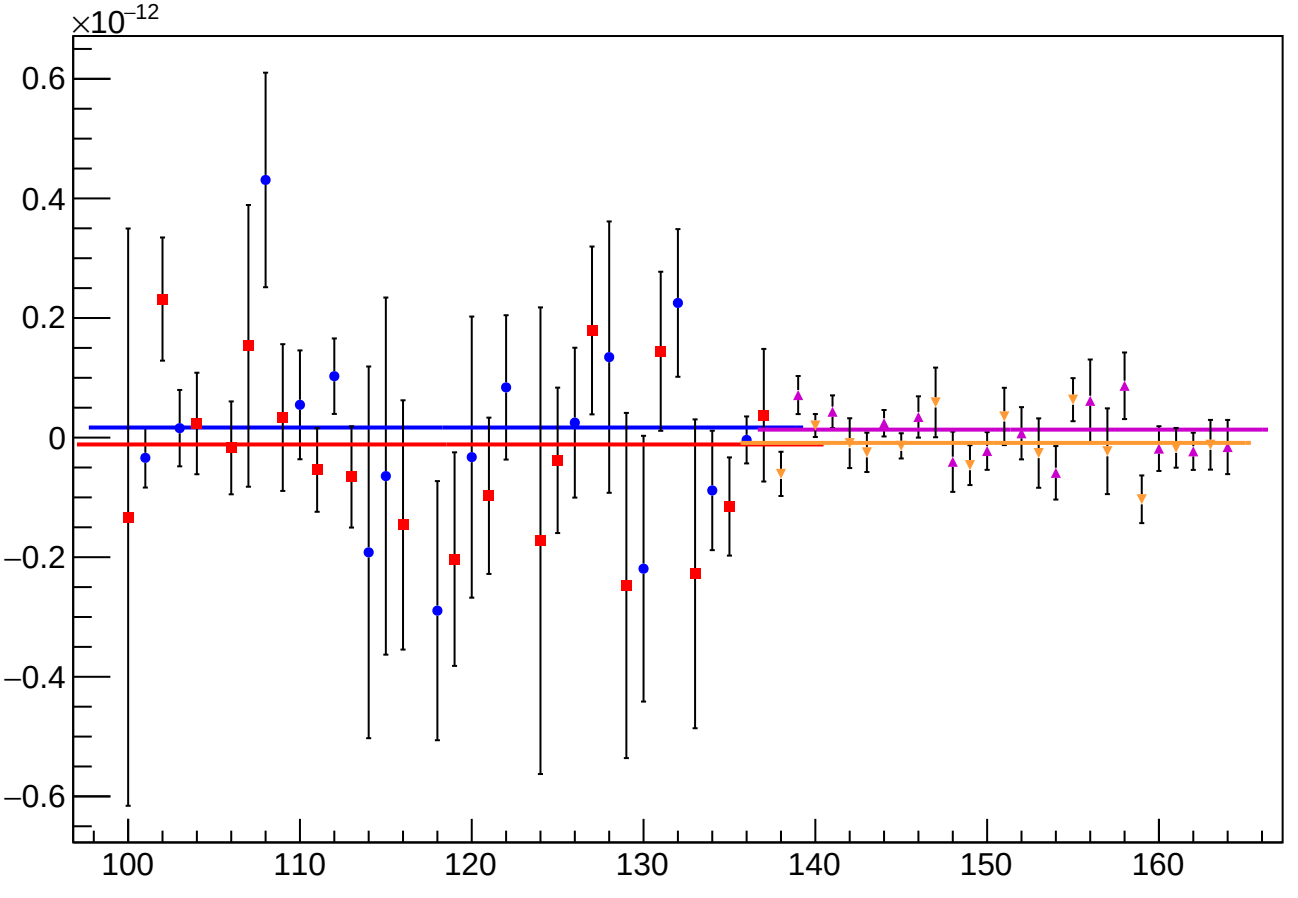
Left: 862.627+/-0.132 χ^2/NDF: 1362063.5/26

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 921.992+/-0.158 χ^2/NDF:2103082.9/28

Out: 923.225+/-0.156 χ^2/NDF:2216478.6/32

All: 922.616+/-0.111 χ^2/NDF: 4319592.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/12

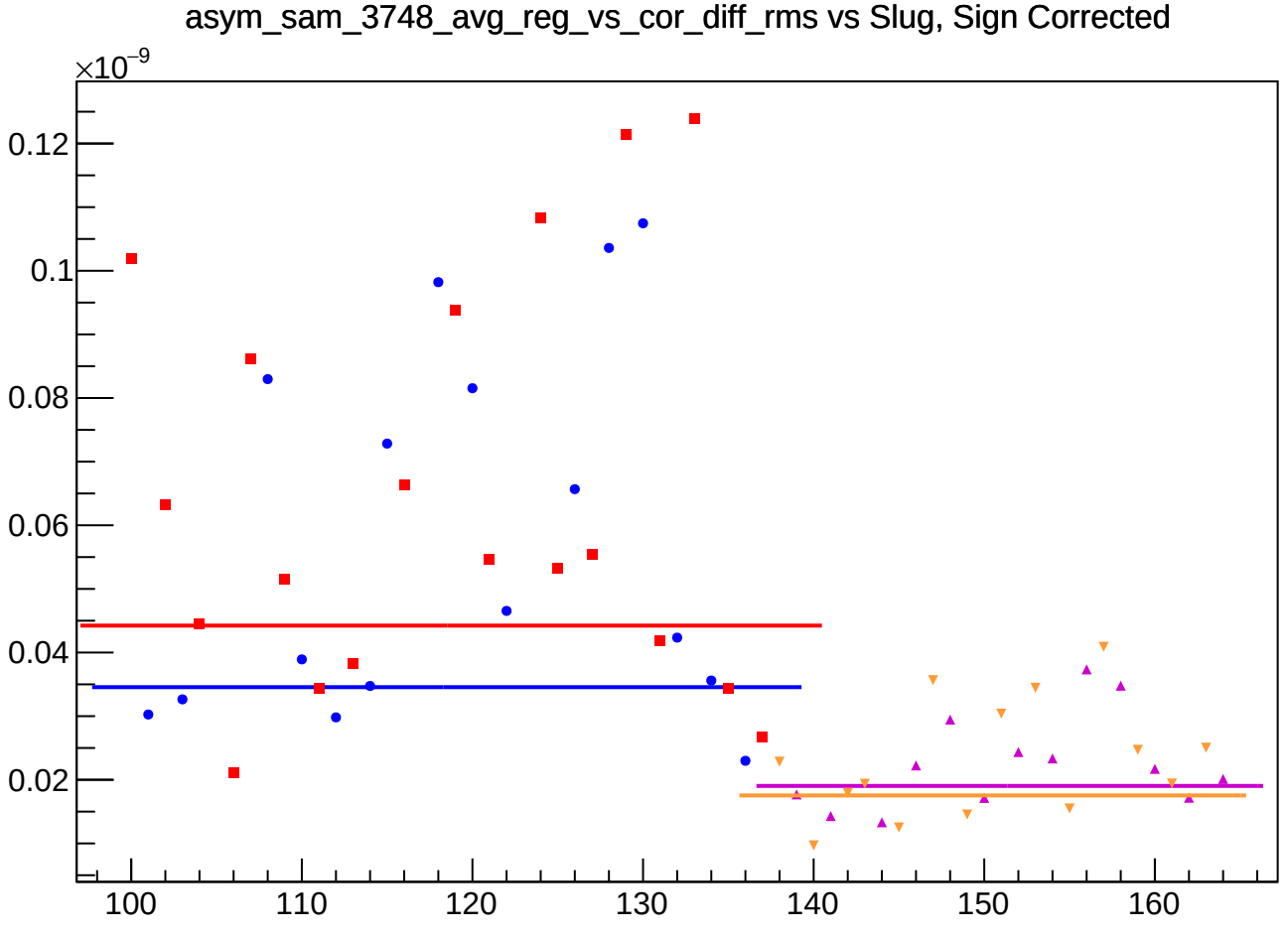
Left: 0.000+/-0.000 χ^2/NDF: 35.4/26

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:31.8/28

Out: -0.000+/-0.000 χ^2/NDF:33.6/32

All: 0.000+/-0.000 χ^2/NDF: 68.9/61



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1374222.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:674552.1/12

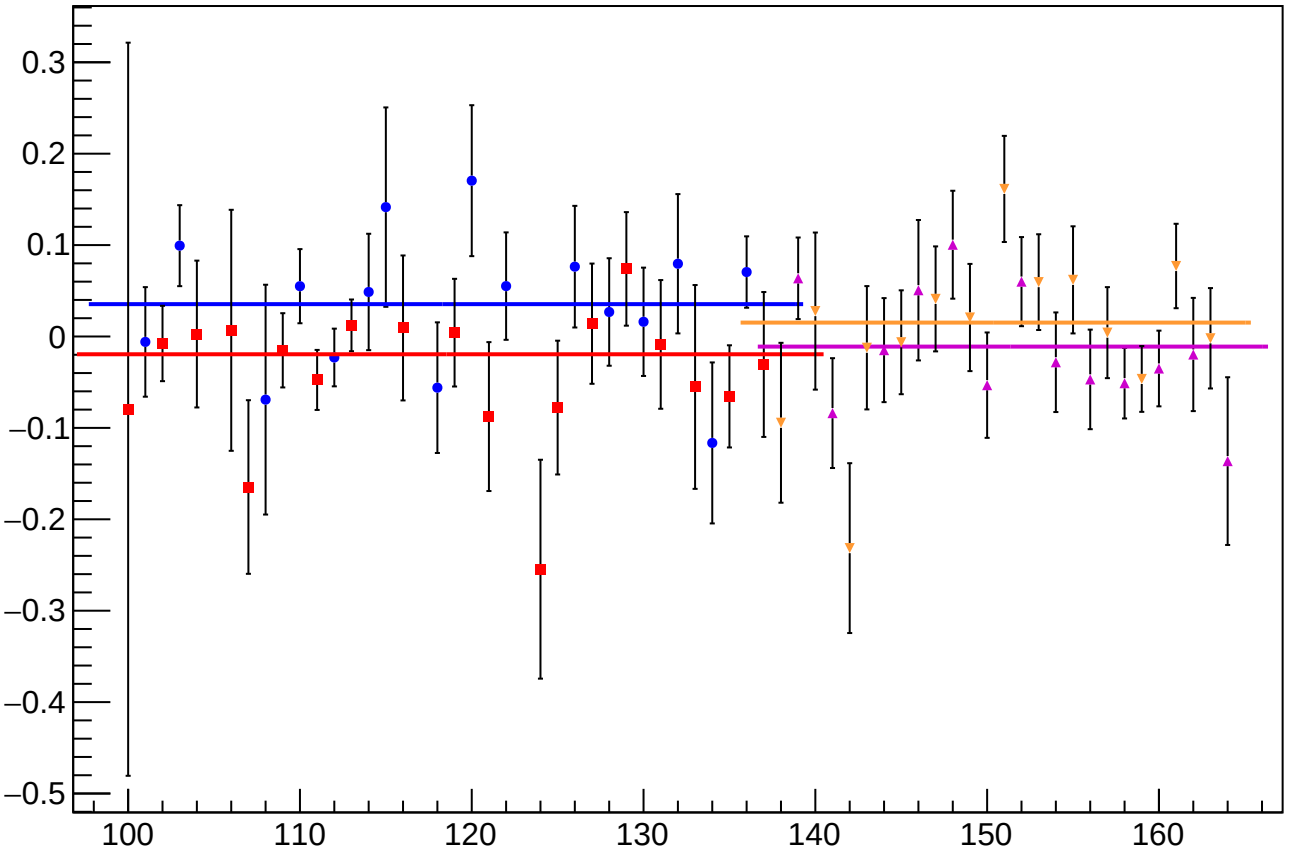
Left: 0.000+/-0.000 χ^2/NDF: 2073872.7/26

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:2705290.7/28

Out: 0.000+/-0.000 χ^2/NDF:4216973.9/32

All: 0.000+/-0.000 χ^2/NDF: 6947256.7/61



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.015 χ^2/NDF:21.7/13

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.011+/-0.015 χ^2/NDF:15.0/12

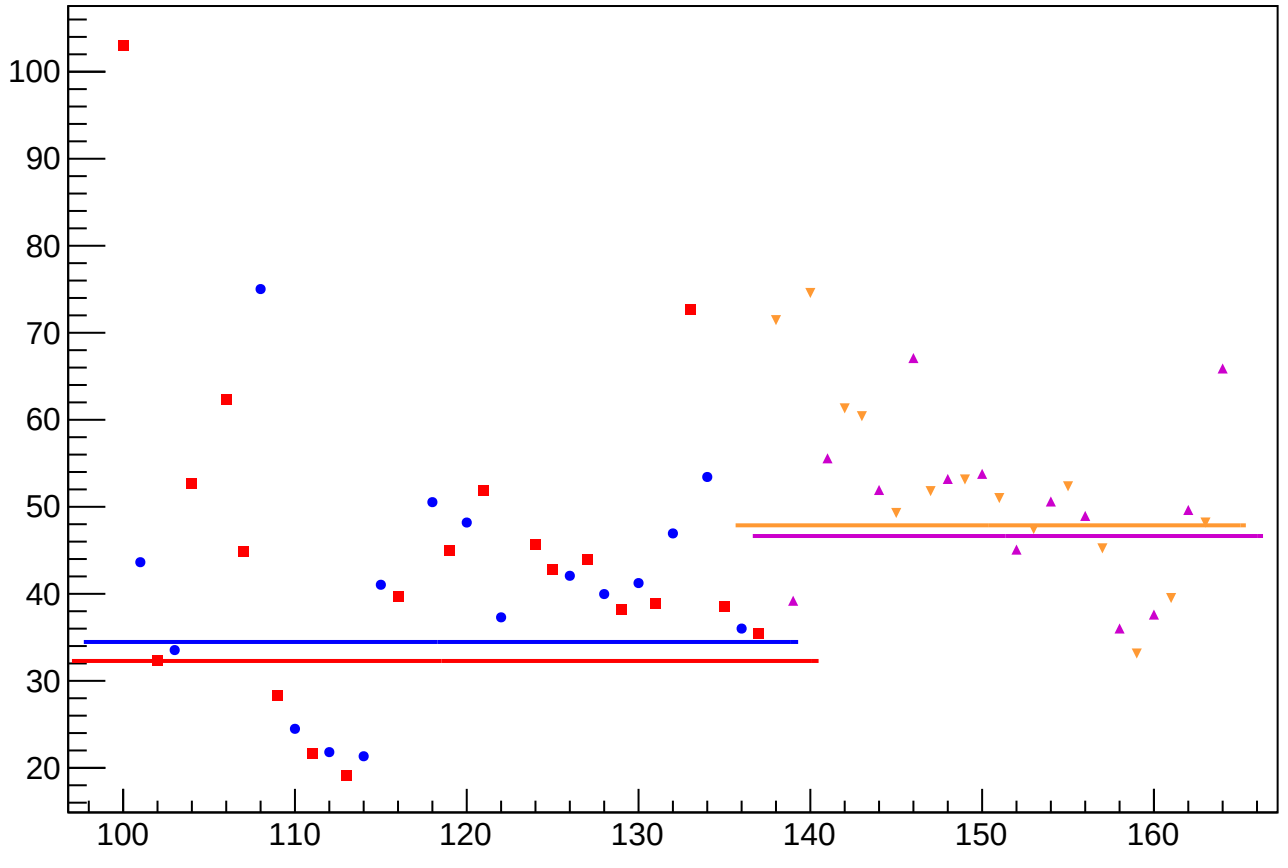
Left: 0.002+/-0.011 χ^2/NDF: 38.3/26

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.014+/-0.010 χ^2/NDF:37.2/28

Out: -0.004+/-0.010 χ^2/NDF:38.1/32

All: 0.004+/-0.007 χ^2/NDF: 76.9/61



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.872+/-0.011 χ^2/NDF:900138.1/13

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.644+/-0.010 χ^2/NDF:669886.0/12

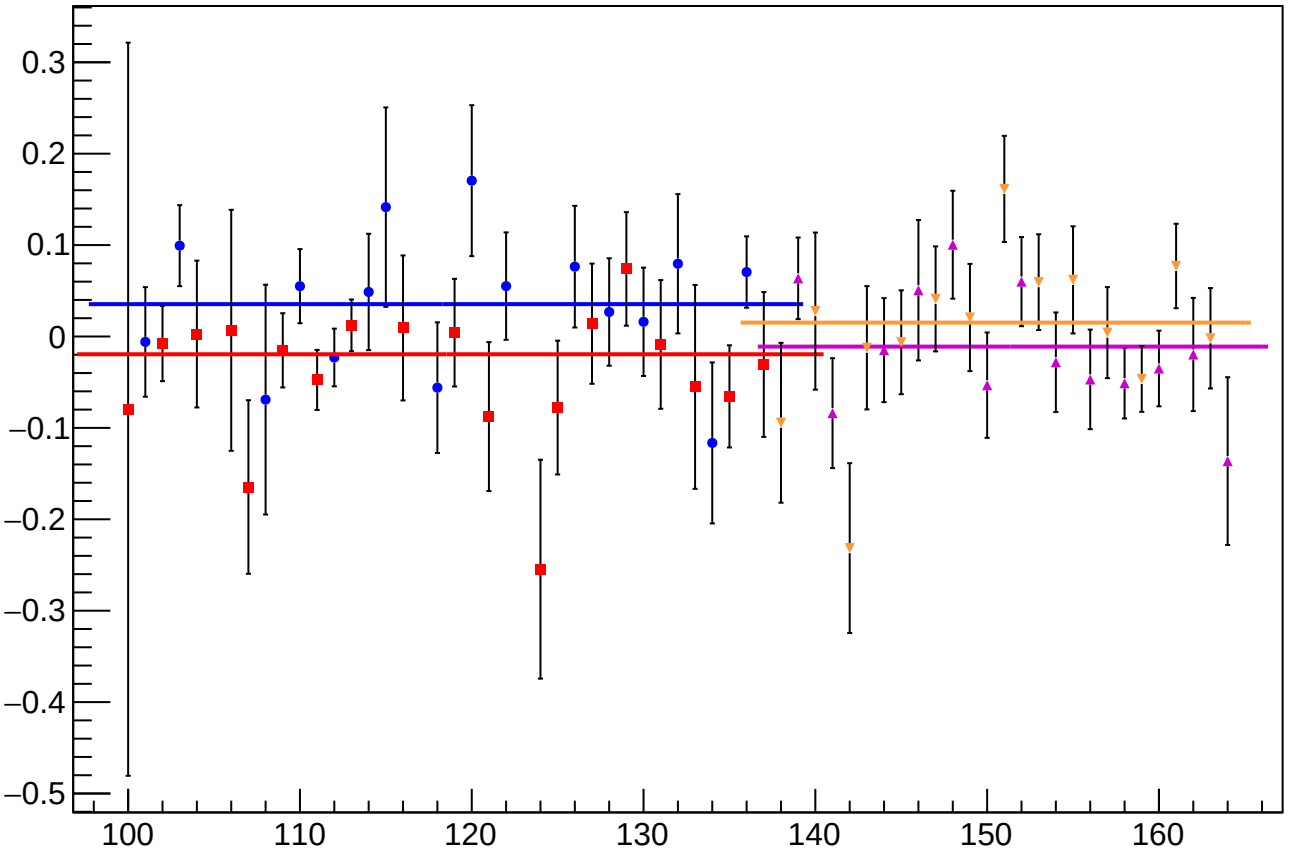
Left: 47.249+/-0.007 χ^2/NDF: 1576813.3/26

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.177+/-0.007 χ^2/NDF:2561530.5/28

Out: 39.033+/-0.007 χ^2/NDF:3794437.6/32

All: 39.591+/-0.005 χ^2/NDF: 6369026.8/61



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.015 χ^2/NDF:21.7/13

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.011+/-0.015 χ^2/NDF:15.0/12

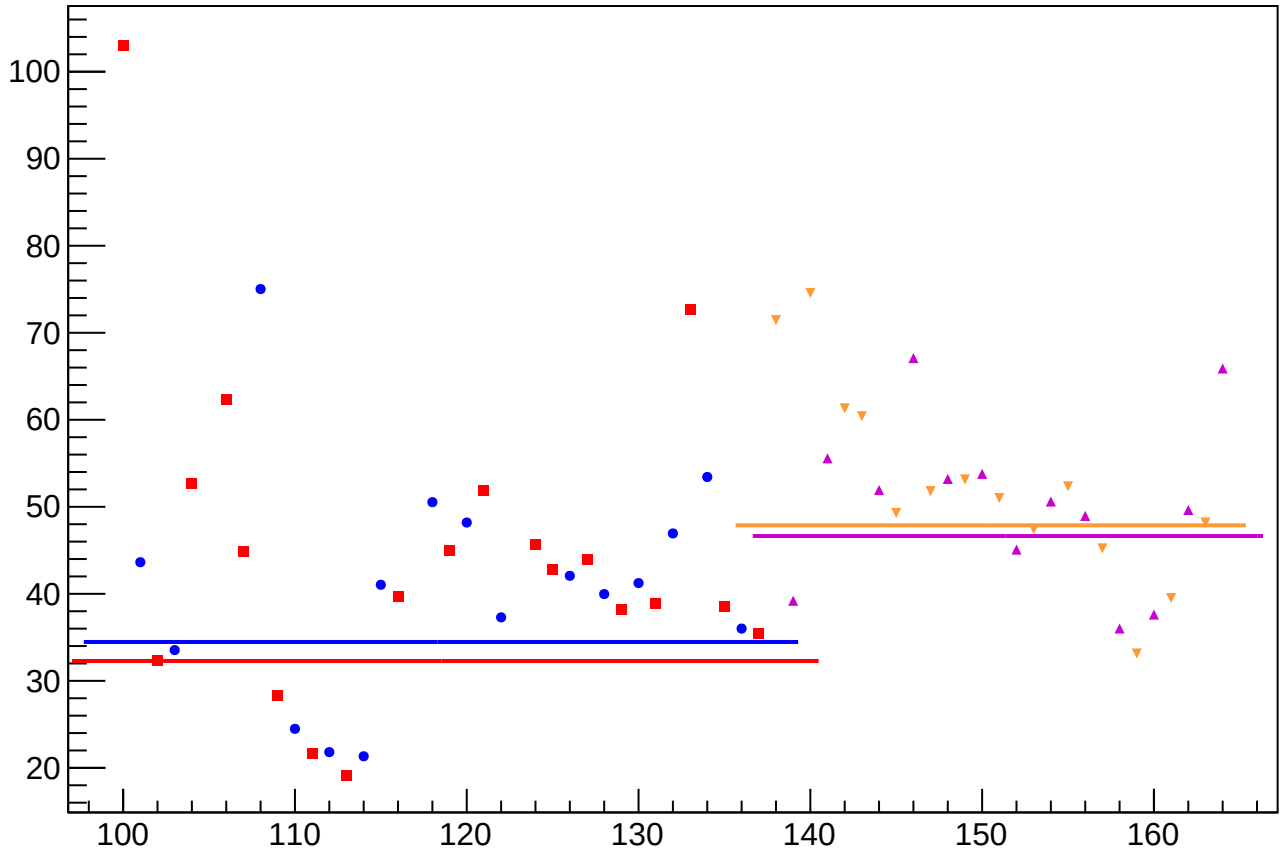
Left: 0.002+/-0.011 χ^2/NDF: 38.3/26

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.014+/-0.010 χ^2/NDF:37.2/28

Out: -0.004+/-0.010 χ^2/NDF:38.1/32

All: 0.004+/-0.007 χ^2/NDF: 76.9/61



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.872+/-0.011 χ^2/NDF:900138.1/13

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.644+/-0.010 χ^2/NDF:669886.0/12

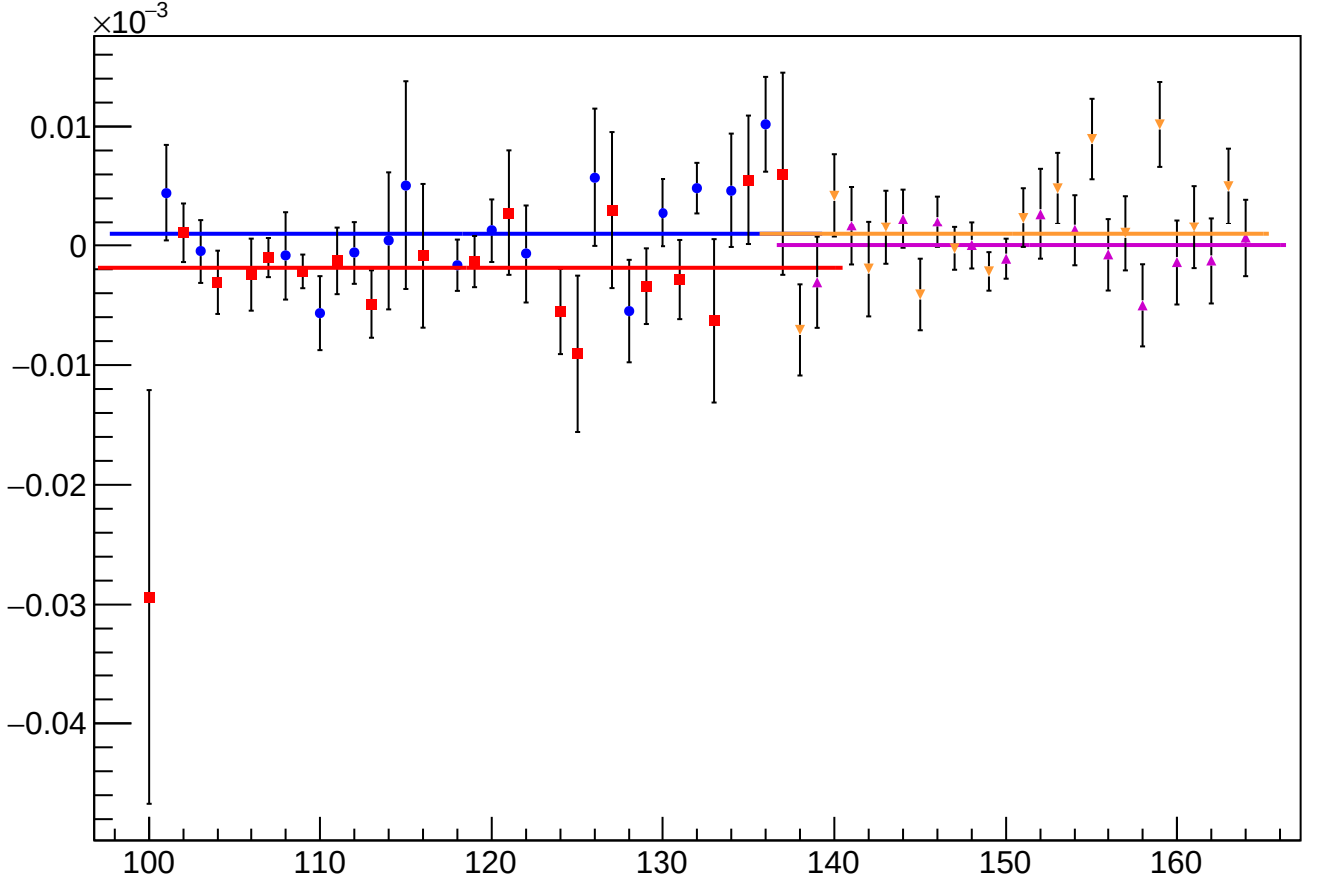
Left: 47.249+/-0.007 χ^2/NDF: 1576813.3/26

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.177+/-0.007 χ^2/NDF:2561530.5/28

Out: 39.033+/-0.007 χ^2/NDF:3794437.6/32

All: 39.591+/-0.005 χ^2/NDF: 6369026.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/12

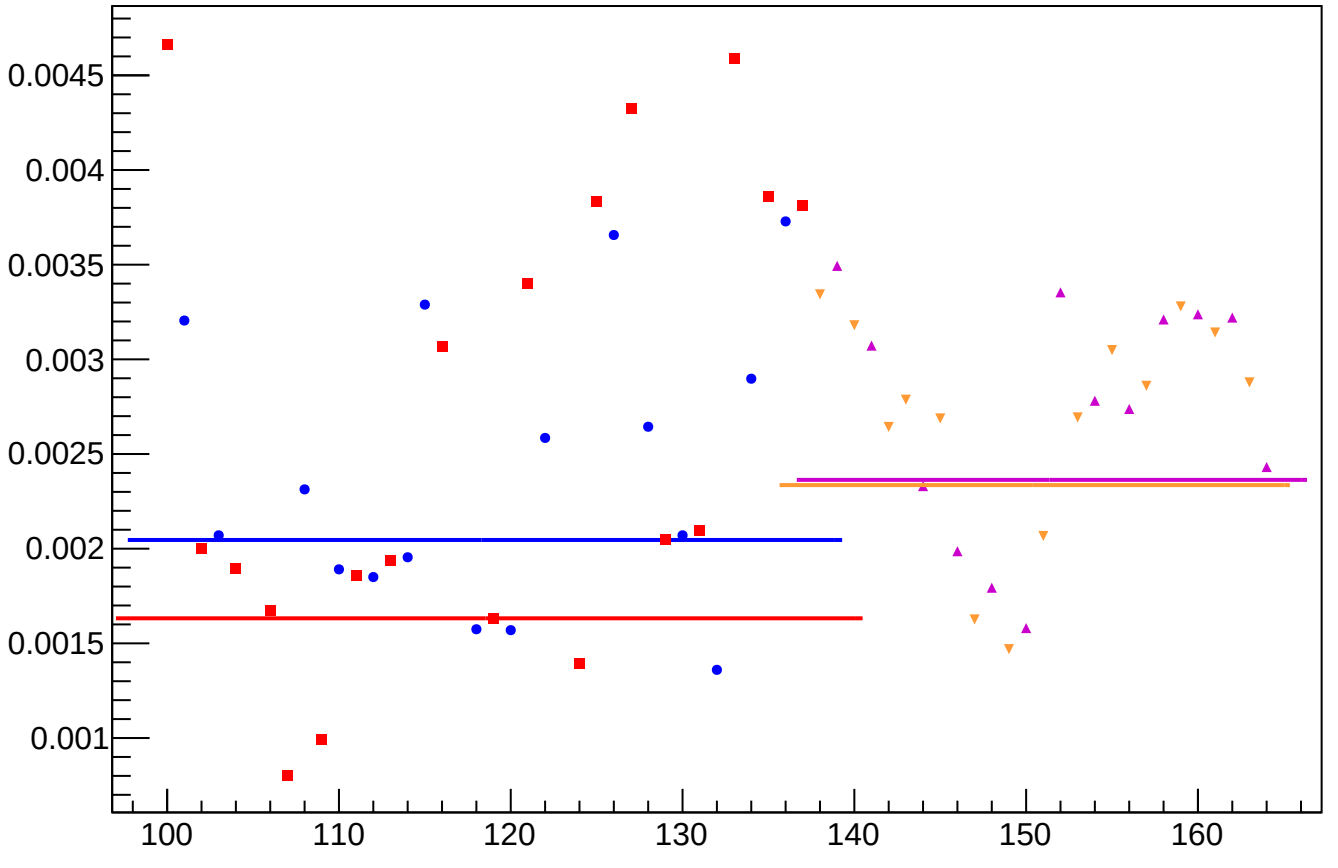
Left: 0.000+/-0.000 χ^2/NDF: 36.3/26

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:27.9/28

Out: -0.000+/-0.000 χ^2/NDF:50.2/32

All: -0.000+/-0.000 χ^2/NDF: 80.2/61



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1742459.8/13

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:1504159.5/12

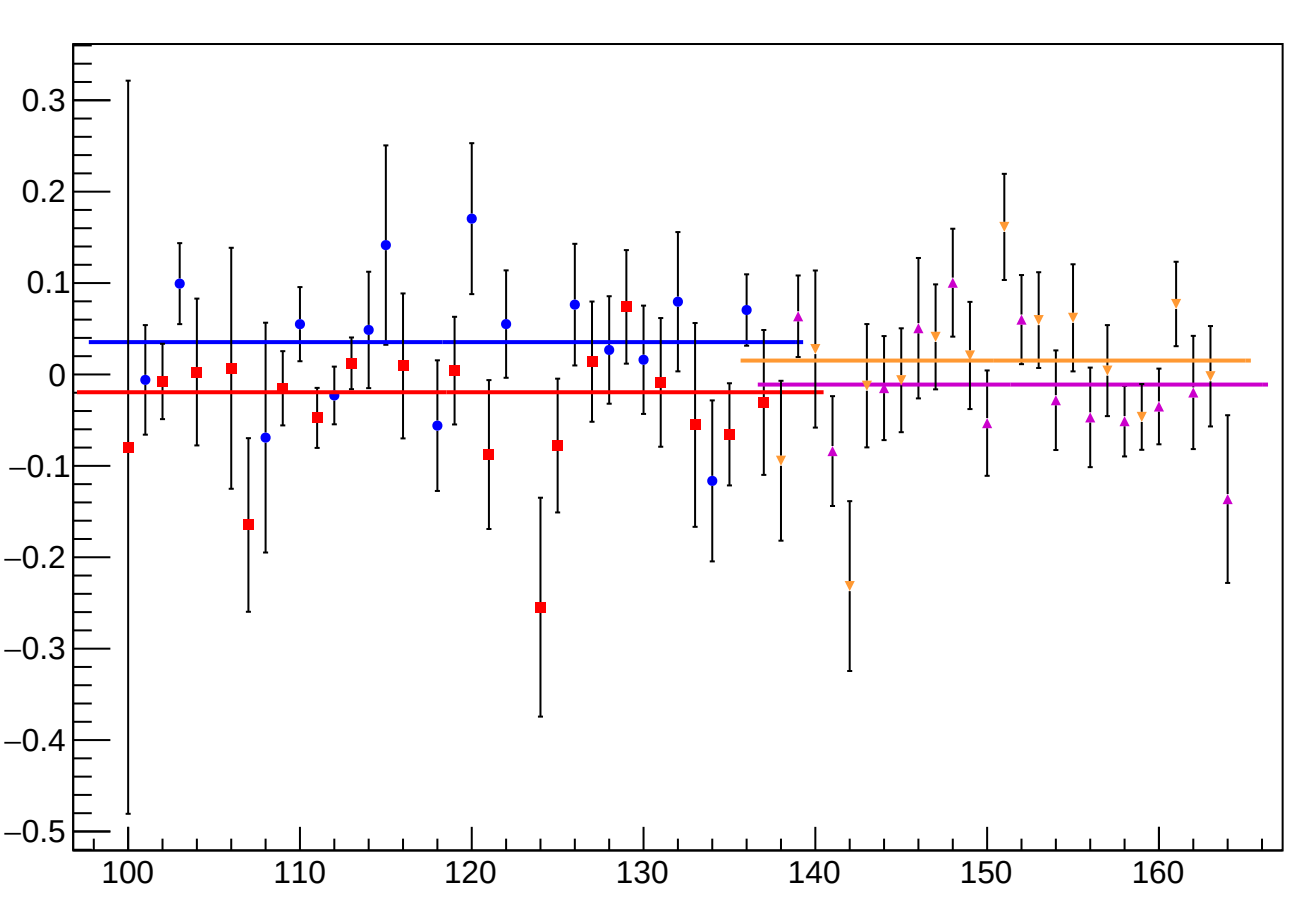
Left: 0.002+/-0.000 χ^2/NDF: 3248007.8/26

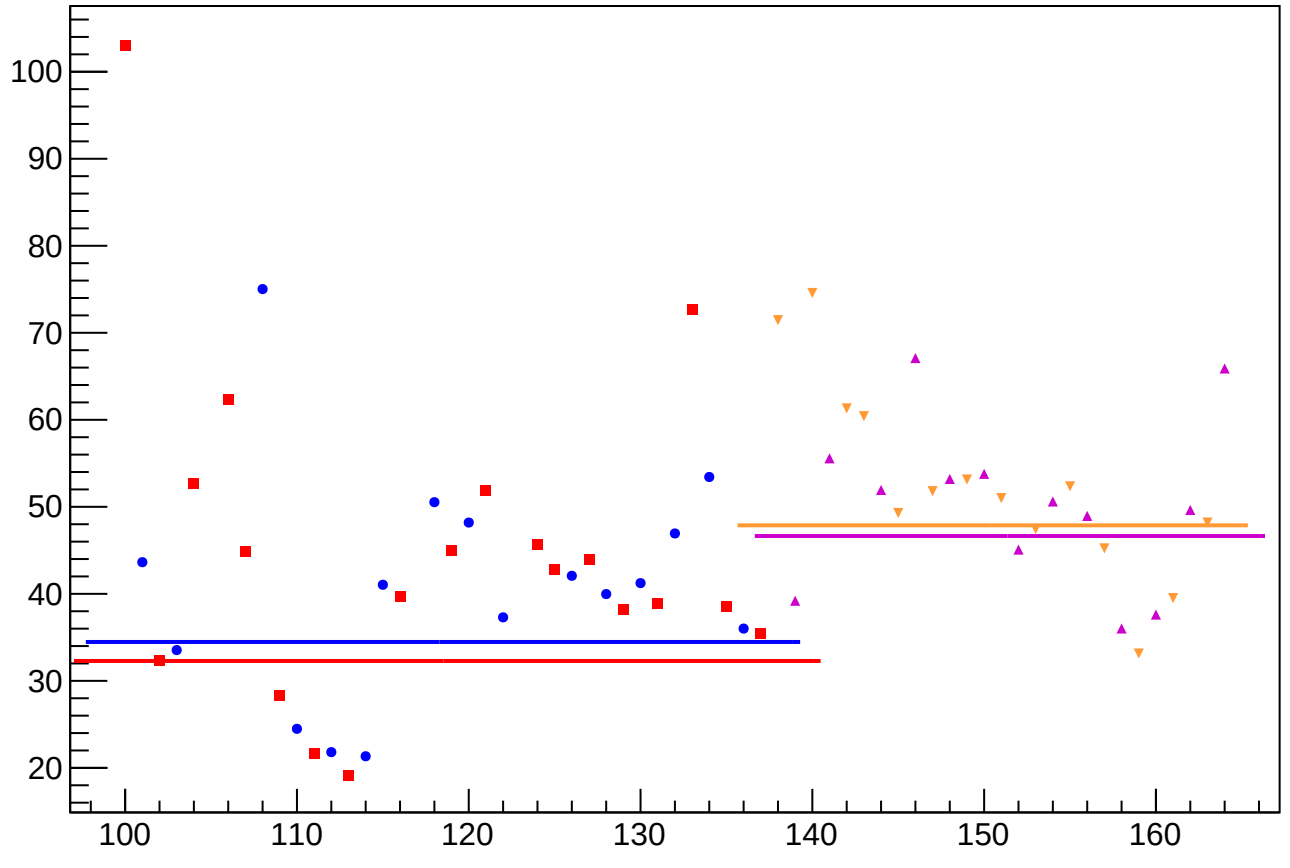
Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:2930974.7/28

Out: 0.002+/-0.000 χ^2/NDF:5674363.0/32

All: 0.002+/-0.000 χ^2/NDF: 8862274.6/61


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.015+/-0.015 χ²/NDF:21.7/13
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.011+/-0.015 χ²/NDF:15.0/12
Left: 0.002+/-0.011 χ²/NDF: 38.3/26
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.014+/-0.010 χ²/NDF:37.2/28
Out: -0.004+/-0.010 χ²/NDF:38.1/32
All: 0.004+/-0.007 χ²/NDF: 76.9/61



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.873+/-0.011 χ^2/NDF:900152.5/13

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.645+/-0.010 χ^2/NDF:669921.5/12

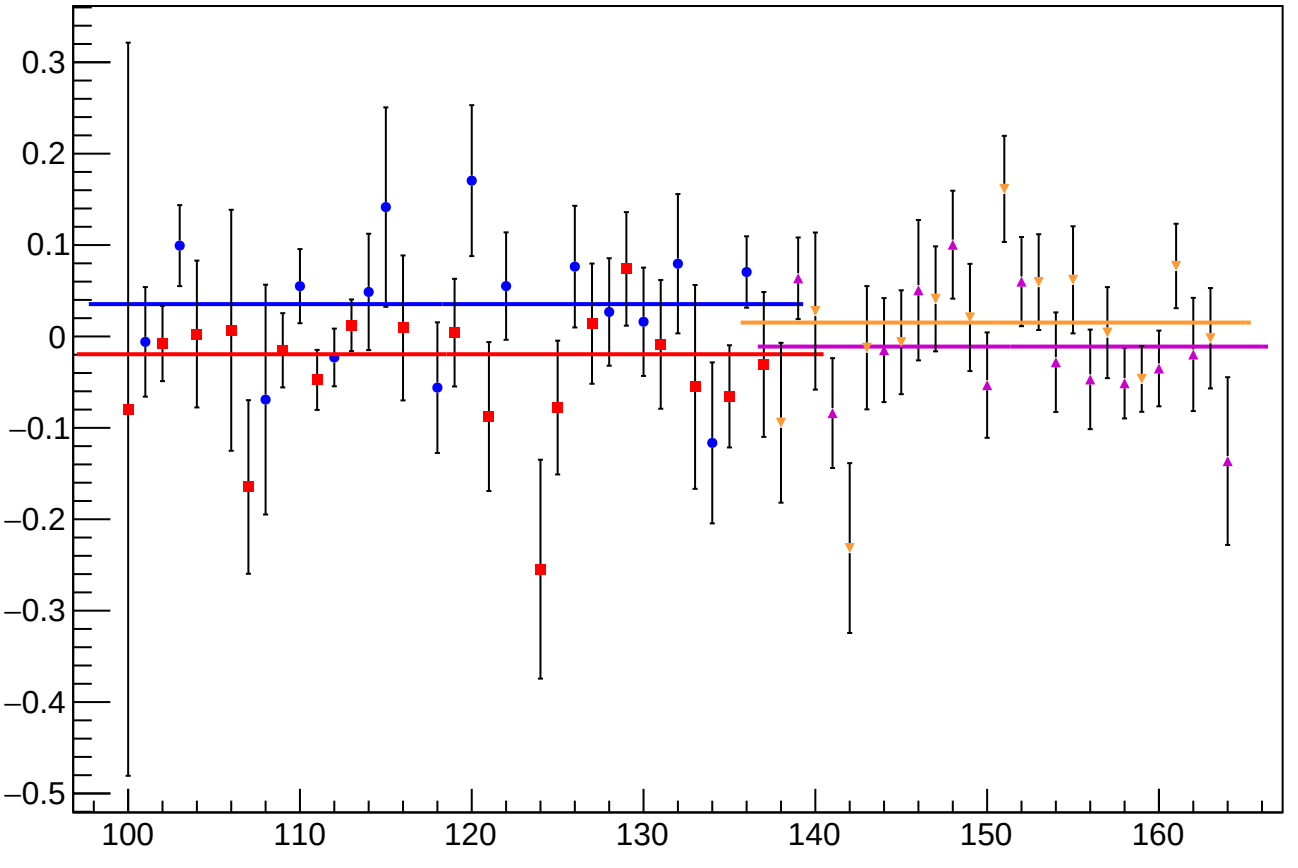
Left: 47.249+/-0.007 χ^2/NDF: 1576864.5/26

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 40.177+/-0.007 χ^2/NDF:2561531.0/28

Out: 39.034+/-0.007 χ^2/NDF:3794440.1/32

All: 39.592+/-0.005 χ^2/NDF: 6369028.4/61



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.015 χ^2/NDF:21.7/13

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.011+/-0.015 χ^2/NDF:15.0/12

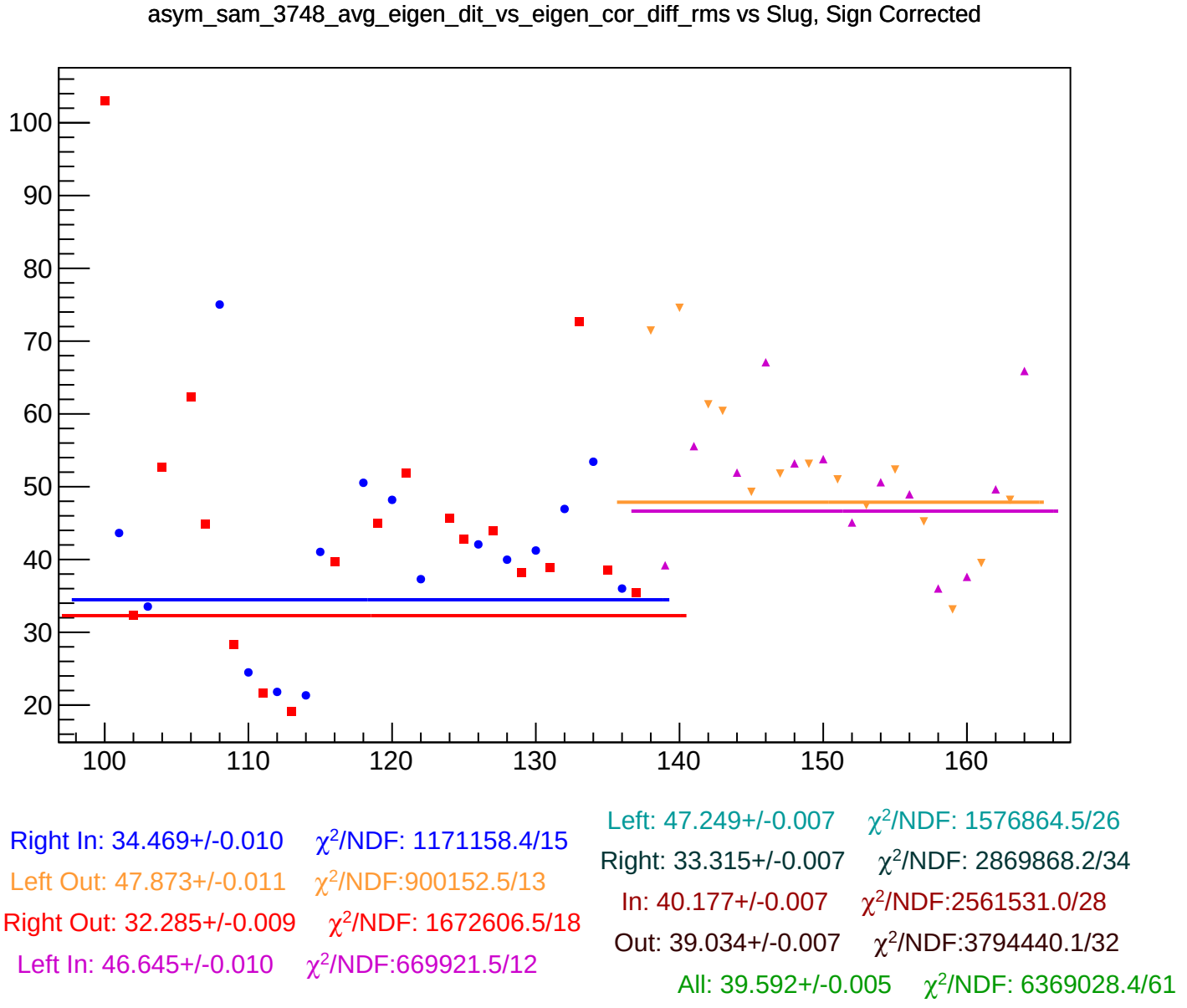
Left: 0.002+/-0.011 χ^2/NDF: 38.3/26

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.014+/-0.010 χ^2/NDF:37.2/28

Out: -0.004+/-0.010 χ^2/NDF:38.1/32

All: 0.004+/-0.007 χ^2/NDF: 76.9/61


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
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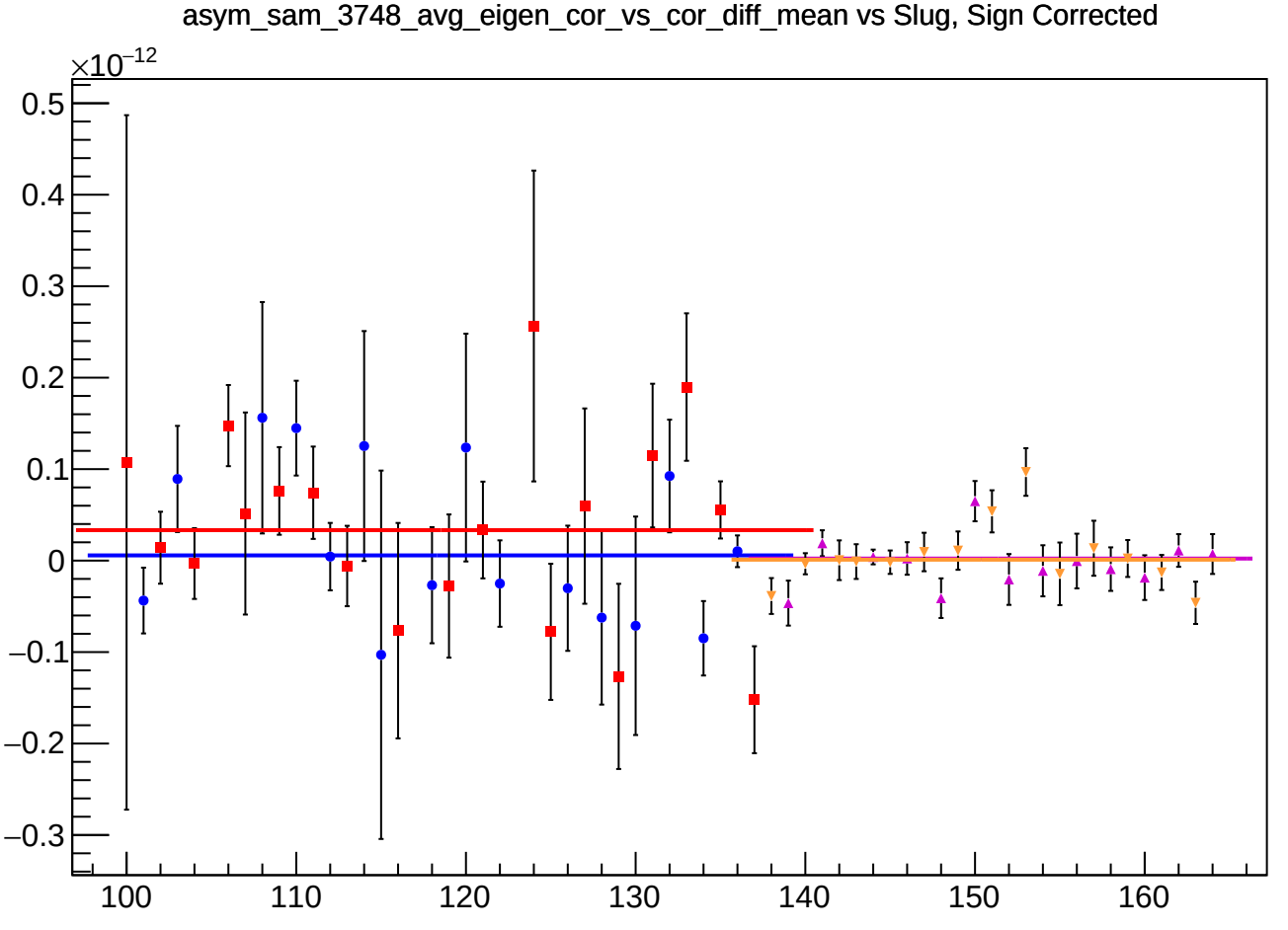
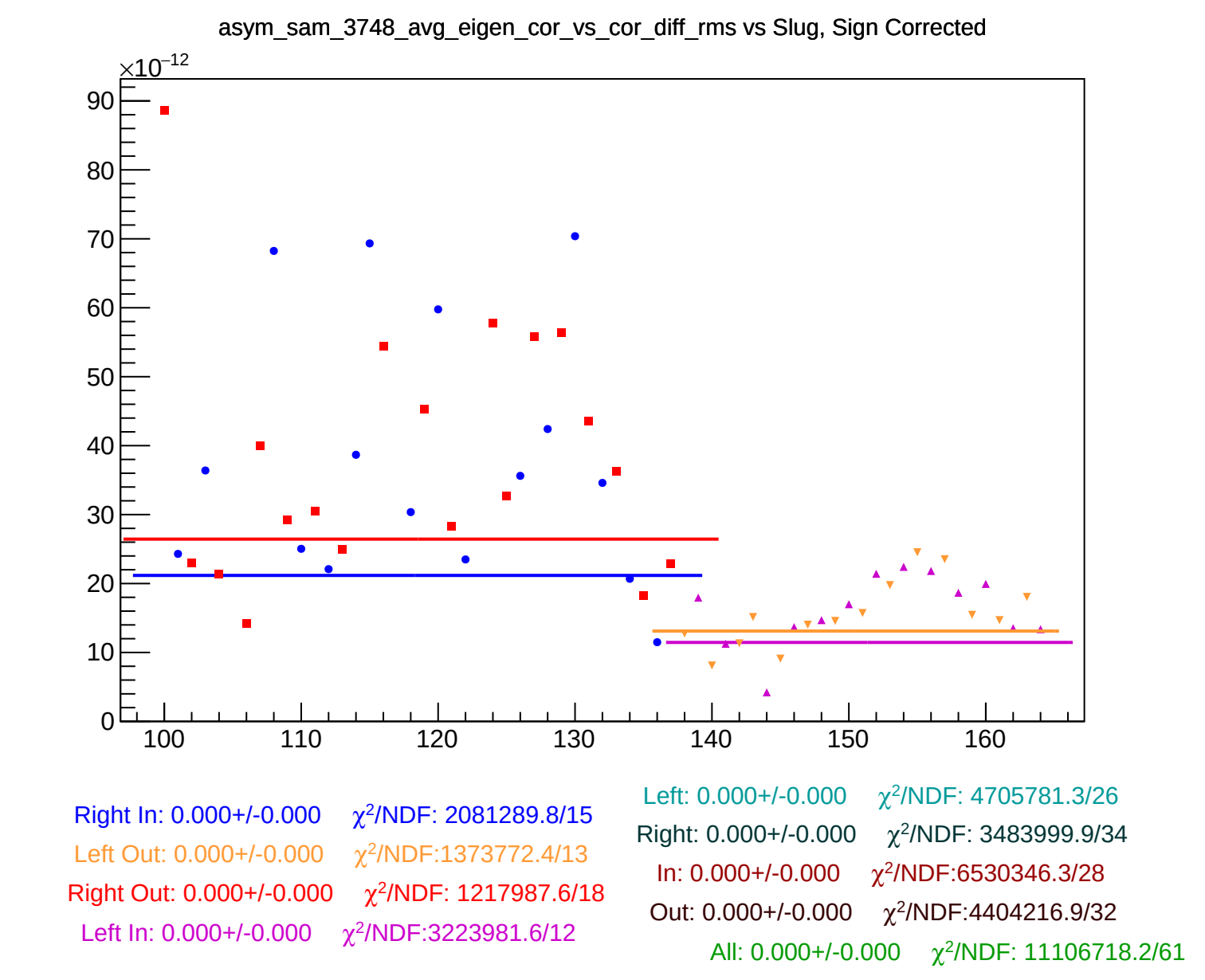
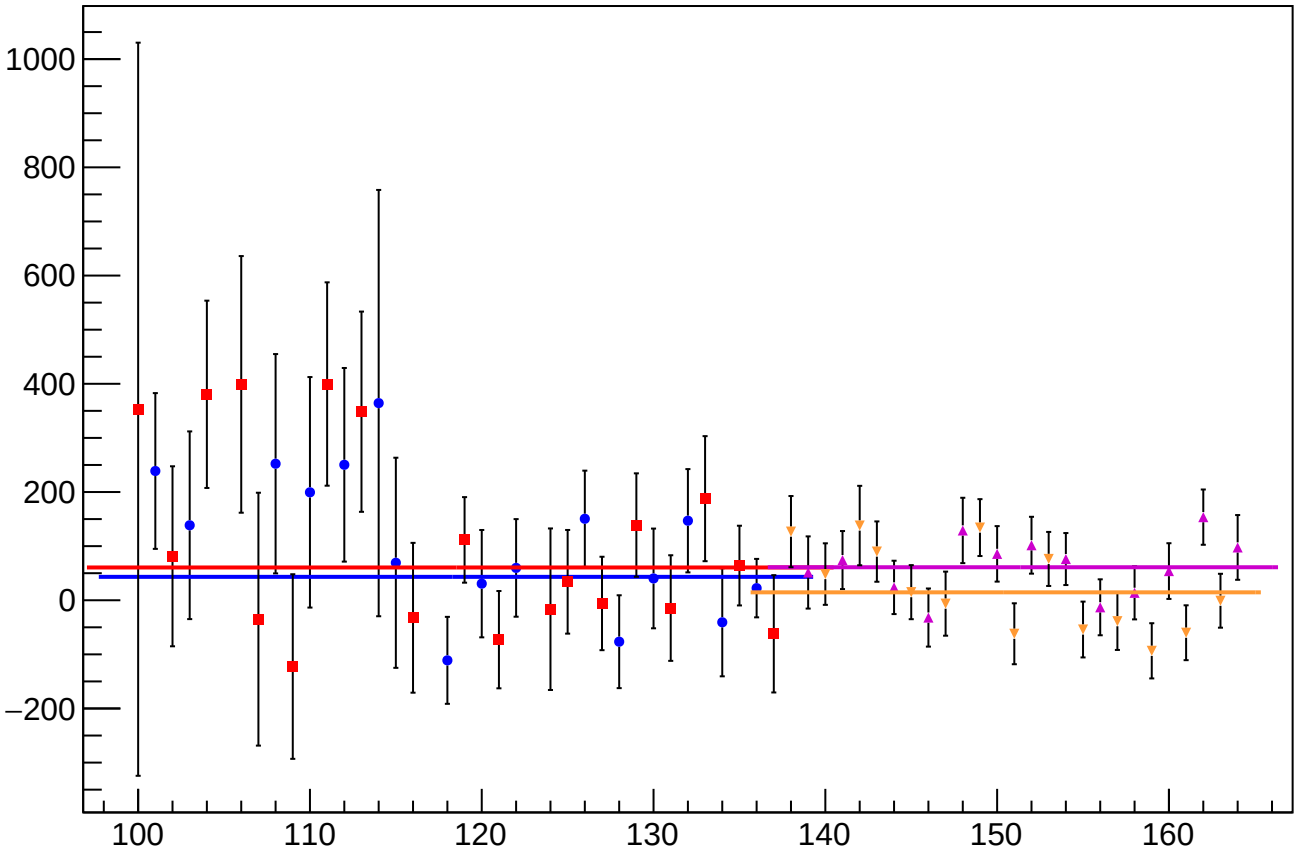
120
130
140
150
160
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 47.873+/-0.011 χ²/NDF:900152.5/13
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 46.645+/-0.010 χ²/NDF:669921.5/12
Left: 47.249+/-0.007 χ²/NDF: 1576864.5/26
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 40.177+/-0.007 χ²/NDF:2561531.0/28
Out: 39.034+/-0.007 χ²/NDF:3794440.1/32
All: 39.592+/-0.005 χ²/NDF: 6369028.4/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: 0.000+/-0.000 χ²/NDF:28.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:19.7/12
Left: 0.000+/-0.000 χ²/NDF: 48.3/26
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:43.3/28
Out: 0.000+/-0.000 χ²/NDF:67.4/32
All: 0.000+/-0.000 χ²/NDF: 110.9/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1373772.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3223981.6/12
Left: 0.000+/-0.000 χ²/NDF: 4705781.3/26
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:6530346.3/28
Out: 0.000+/-0.000 χ²/NDF:4404216.9/32
All: 0.000+/-0.000 χ²/NDF: 11106718.2/61



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 14.631+/-14.556 χ^2/NDF:26.1/13

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 61.009+/-14.730 χ^2/NDF:12.5/12

Left: 37.545+/-10.354 χ^2/NDF: 43.7/26

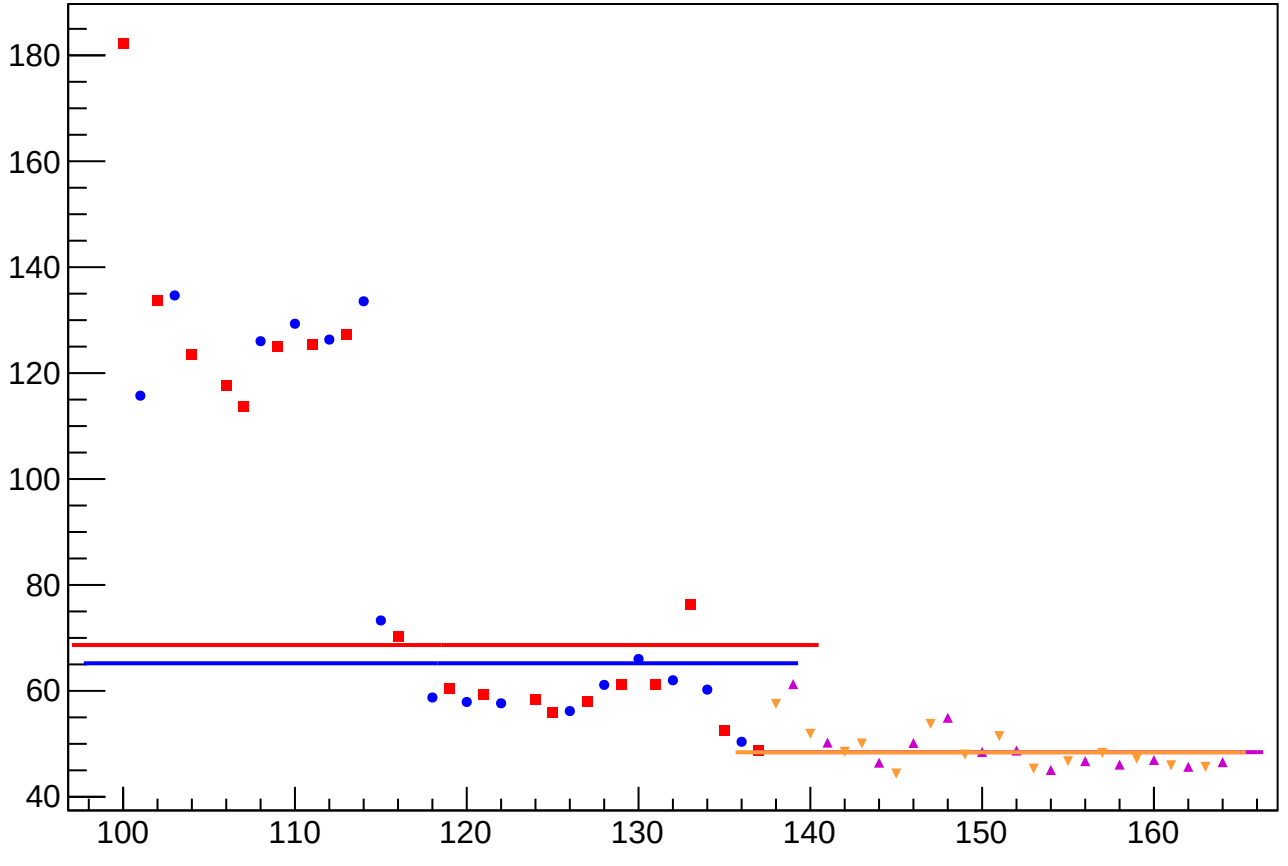
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 56.638+/-12.790 χ^2/NDF:27.8/28

Out: 25.042+/-12.801 χ^2/NDF:48.8/32

All: 40.854+/-9.048 χ^2/NDF: 79.7/61

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 48.404+/-0.010 χ^2/NDF:104862.9/13

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 48.434+/-0.010 χ^2/NDF:131134.2/12

Left: 48.419+/-0.007 χ^2/NDF: 236001.2/26

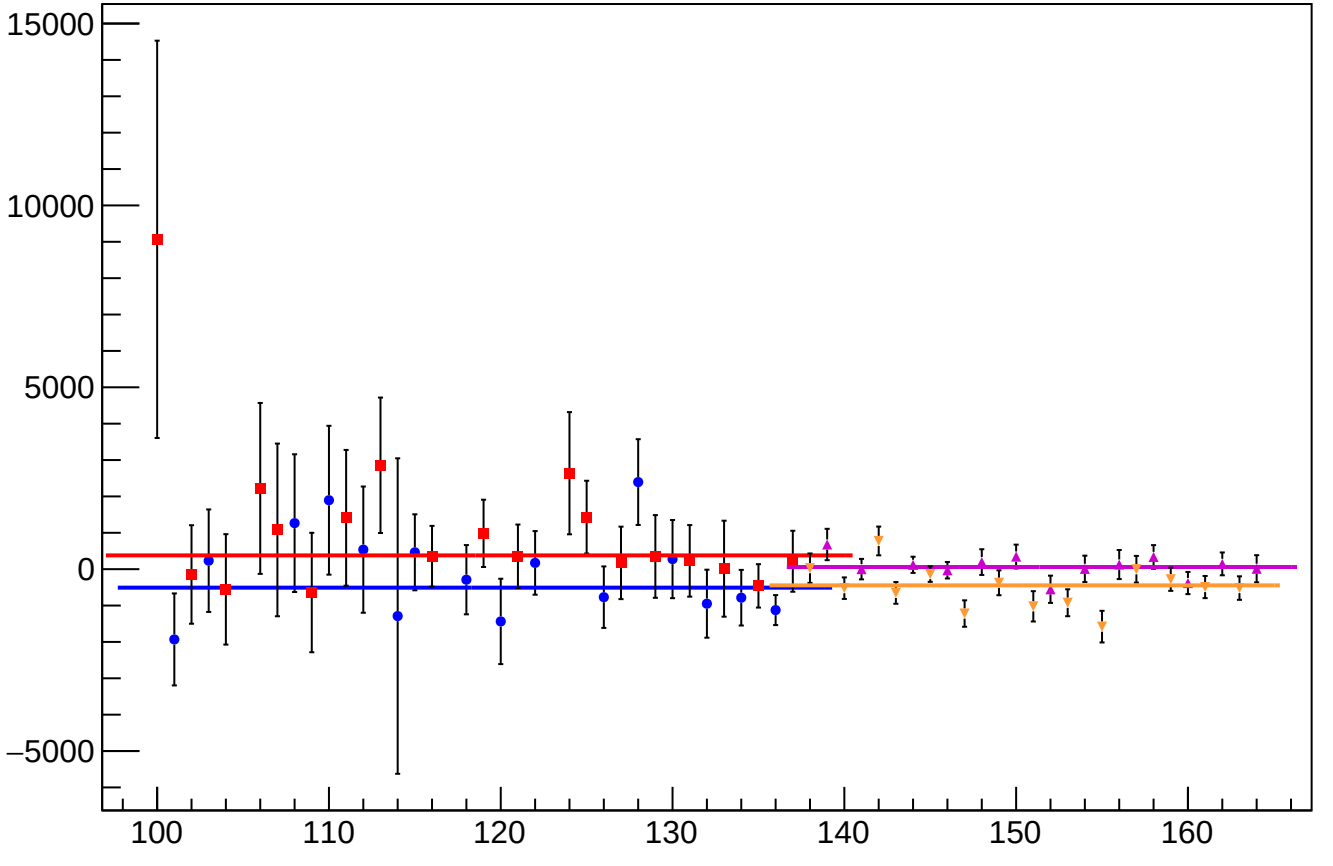
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 52.563+/-0.009 χ^2/NDF:2216302.7/28

Out: 52.992+/-0.009 χ^2/NDF:2622934.9/32

All: 52.778+/-0.006 χ^2/NDF: 4840363.4/61

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: -445.291+/-87.957 χ^2/NDF:30.4/13

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 59.084+/-86.518 χ^2/NDF:8.9/12

Left: -188.942+/-61.680 χ^2/NDF: 56.0/26

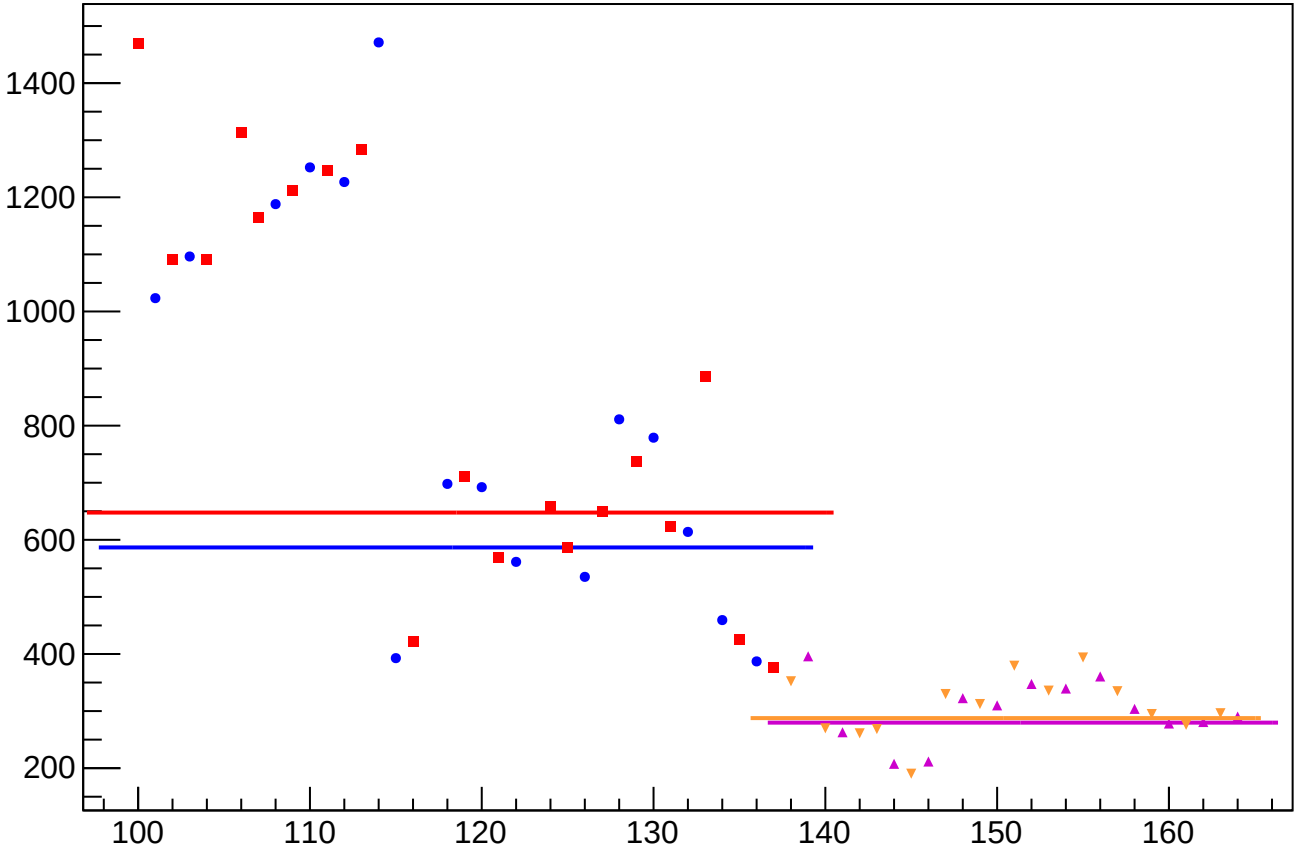
Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -7.620+/-81.269 χ^2/NDF:29.6/28

Out: -358.517+/-83.198 χ^2/NDF:51.3/32

All: -178.954+/-58.136 χ^2/NDF: 90.0/61

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: 287.699+/-0.062 χ^2/NDF:819650.4/13

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 279.756+/-0.061 χ^2/NDF:804169.2/12

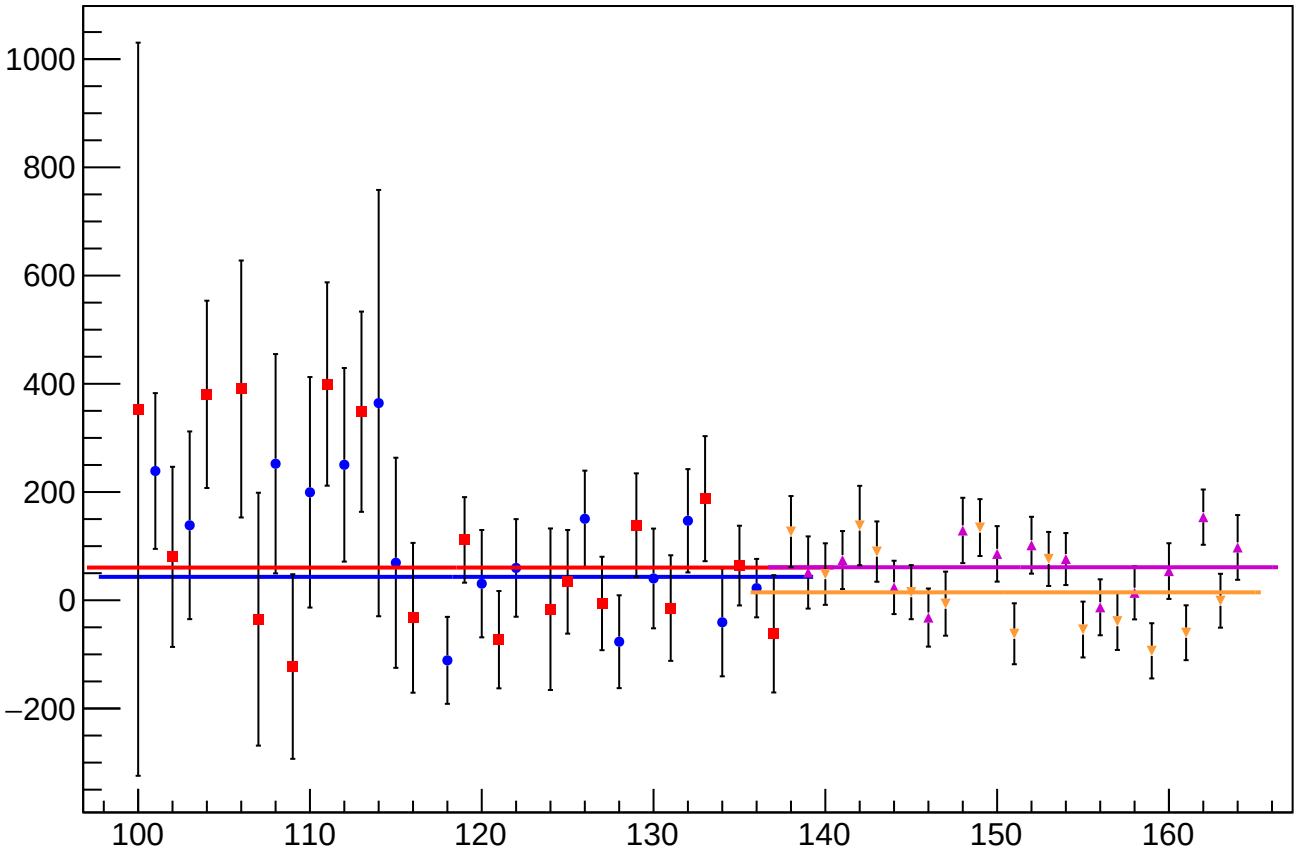
Left: 283.662+/-0.044 χ^2/NDF: 1632108.6/26

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 315.859+/-0.057 χ^2/NDF:5817657.6/28

Out: 325.605+/-0.059 χ^2/NDF:6453456.2/32

All: 320.618+/-0.041 χ^2/NDF: 12285159.0/61



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 14.633+/-14.556 χ^2/NDF:26.1/13

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 61.008+/-14.730 χ^2/NDF:12.5/12

Left: 37.545+/-10.354 χ^2/NDF: 43.7/26

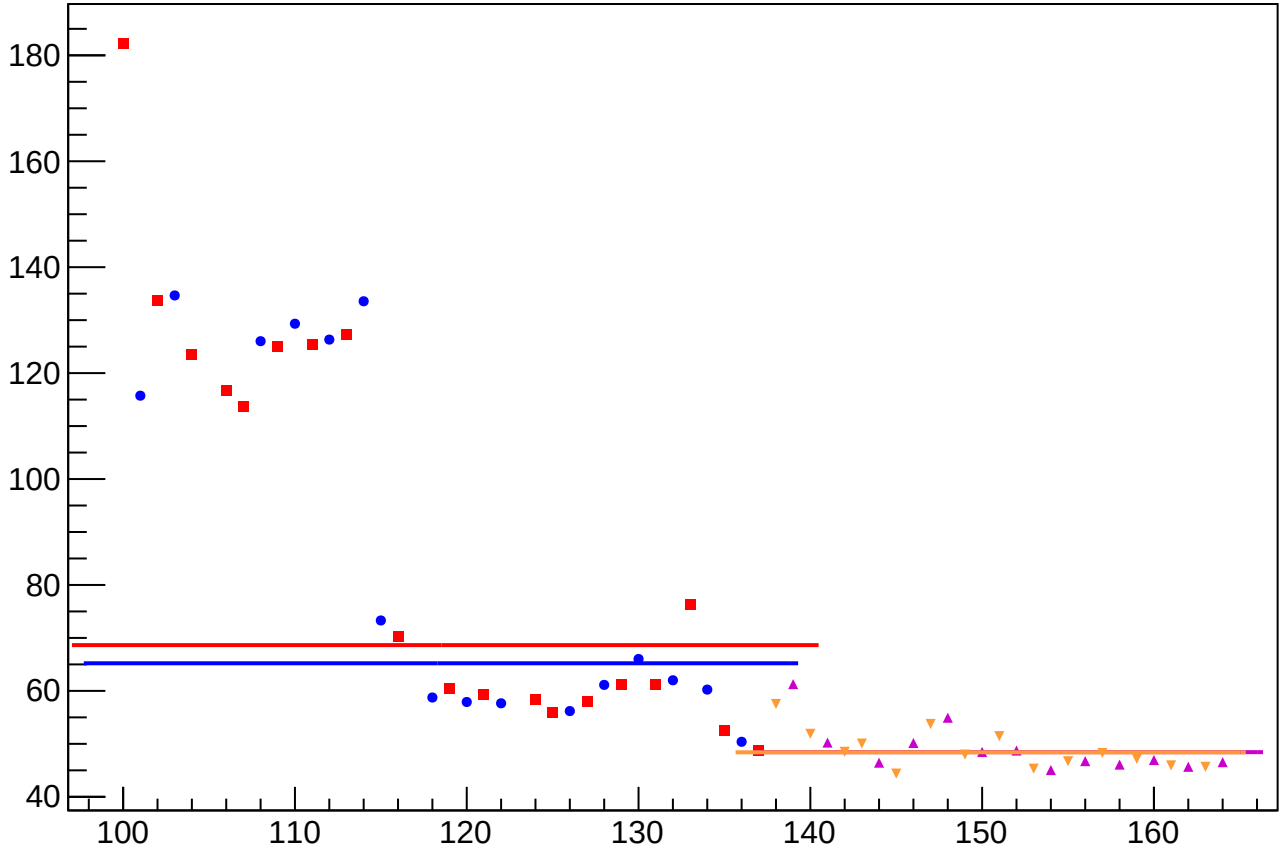
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 56.635+/-12.790 χ^2/NDF:27.8/28

Out: 25.009+/-12.801 χ^2/NDF:48.7/32

All: 40.837+/-9.048 χ^2/NDF: 79.6/61

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.404+/-0.010 χ^2/NDF:104862.9/13

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.434+/-0.010 χ^2/NDF:131134.2/12

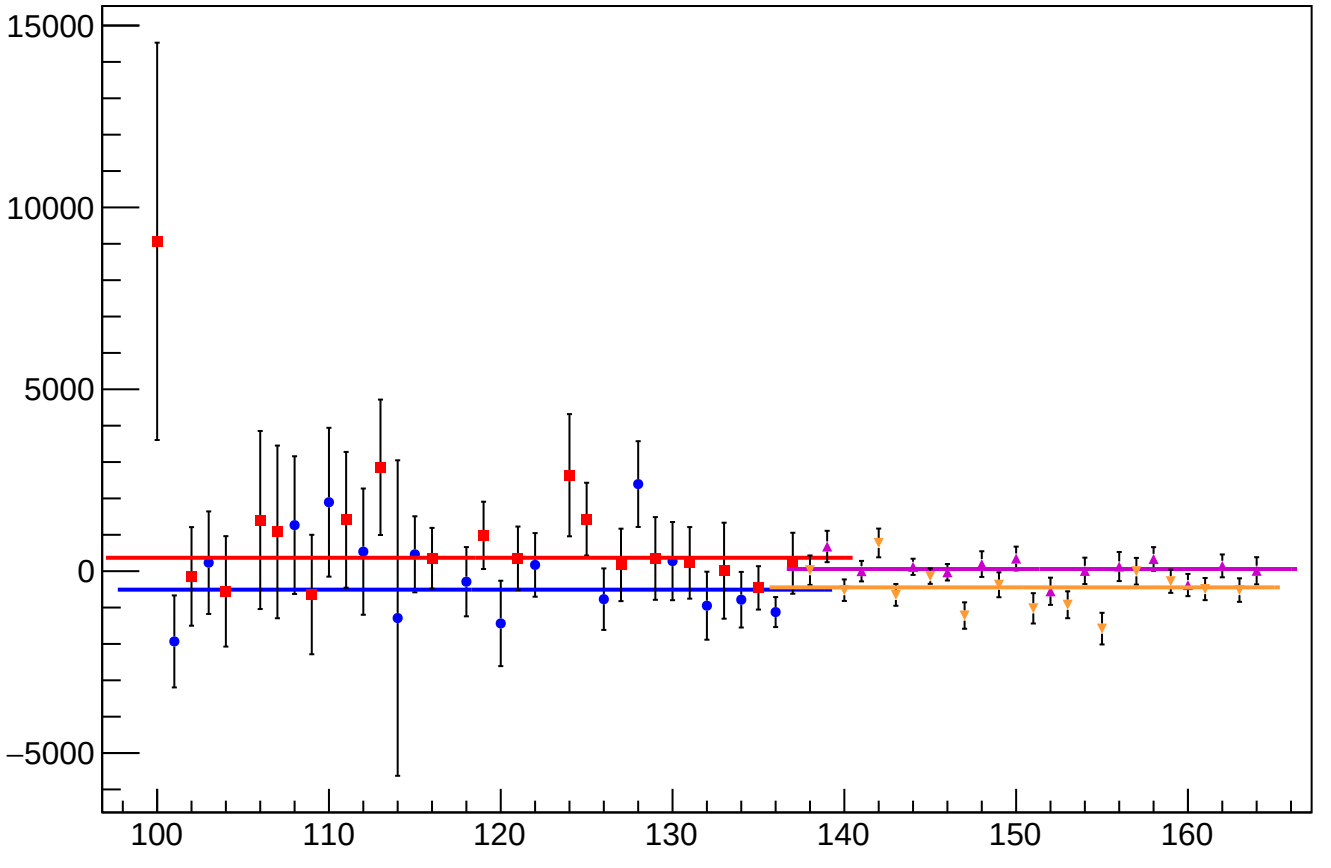
Left: 48.419+/-0.007 χ^2/NDF: 236001.2/26

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 52.563+/-0.009 χ^2/NDF:2216304.7/28

Out: 52.989+/-0.009 χ^2/NDF:2618304.9/32

All: 52.776+/-0.006 χ^2/NDF: 4835717.4/61



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -445.287+/-87.957 χ^2/NDF:30.4/13

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 59.084+/-86.518 χ^2/NDF:8.9/12

Left: -188.941+/-61.680 χ^2/NDF: 56.0/26

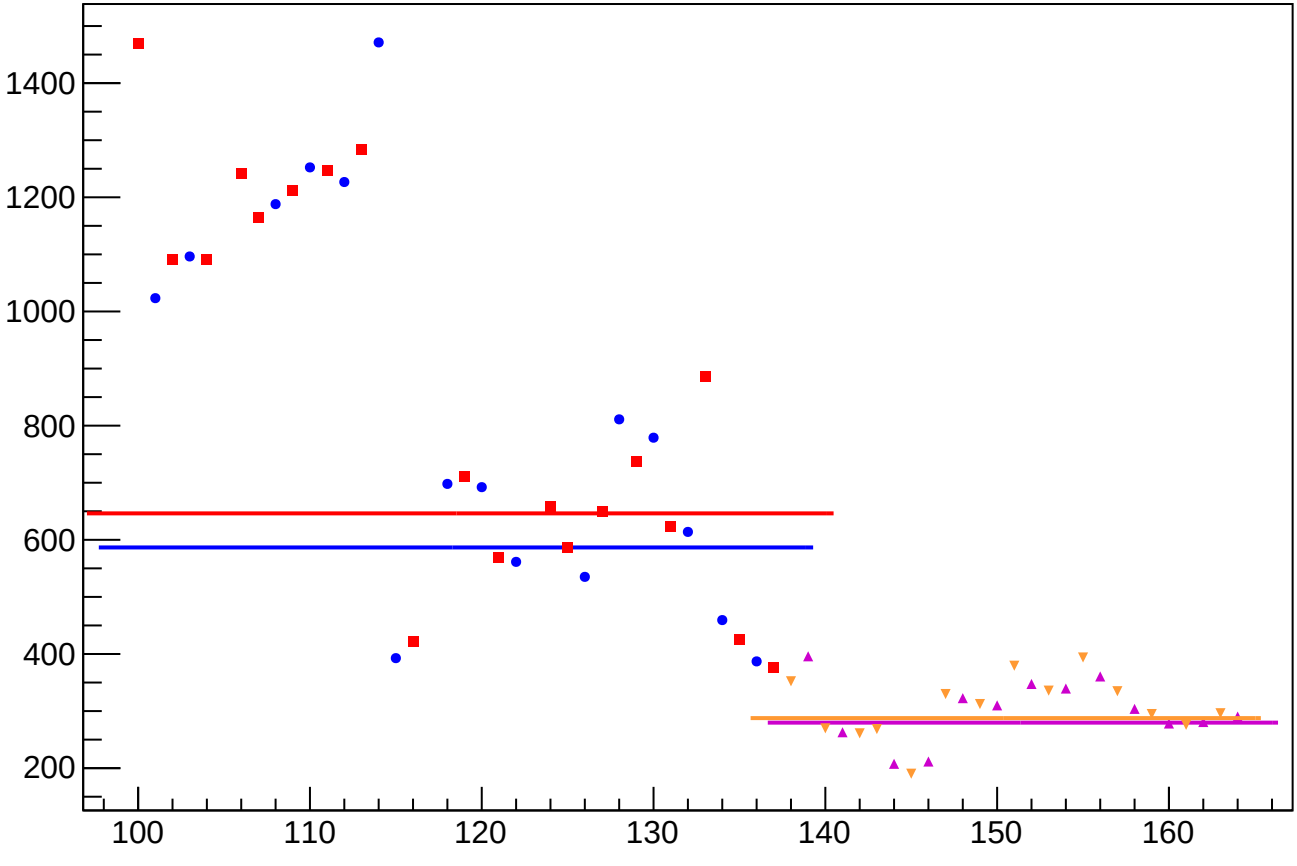
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -7.618+/-81.269 χ^2/NDF:29.6/28

Out: -359.701+/-83.202 χ^2/NDF:50.7/32

All: -179.522+/-58.138 χ^2/NDF: 89.4/61

asym_sam_1526_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.699+/-0.062 χ^2/NDF:819654.7/13

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 279.756+/-0.061 χ^2/NDF:804164.5/12

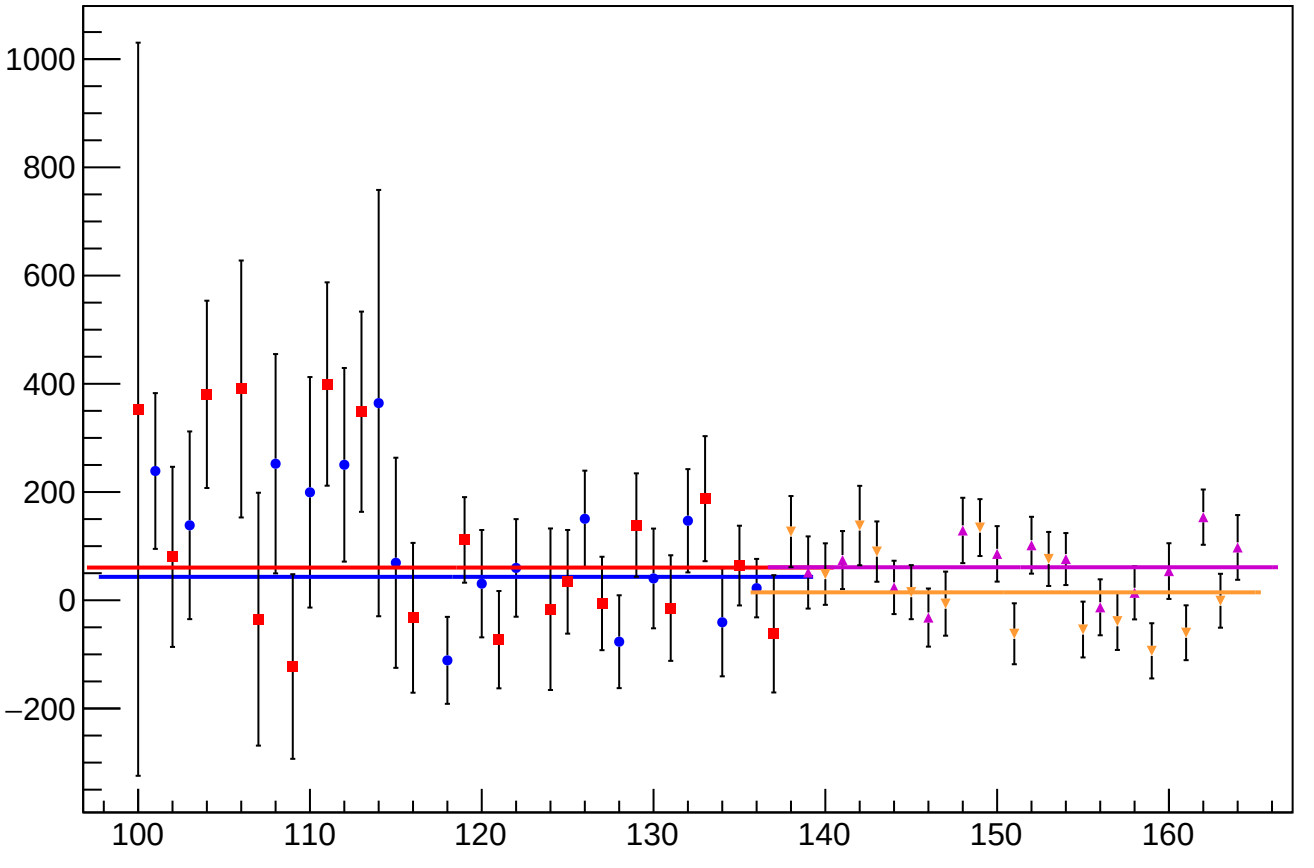
Left: 283.662+/-0.044 χ^2/NDF: 1632107.8/26

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 315.859+/-0.057 χ^2/NDF:5817674.5/28

Out: 325.424+/-0.059 χ^2/NDF:6380369.3/32

All: 320.529+/-0.041 χ^2/NDF: 12211569.3/61



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 14.633+/-14.556 χ^2/NDF:26.1/13

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 61.008+/-14.730 χ^2/NDF:12.5/12

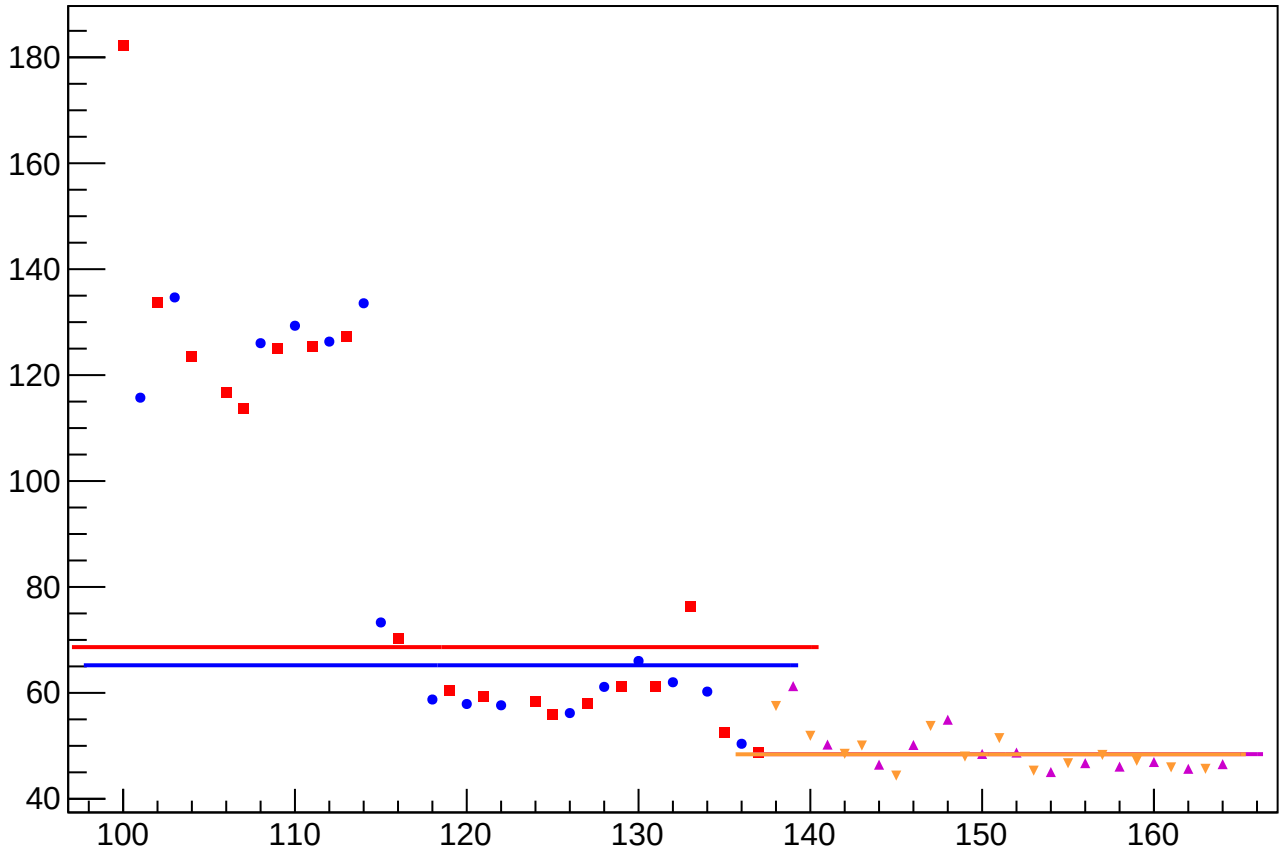
Left: 37.545+/-10.354 χ^2/NDF: 43.7/26

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 56.635+/-12.790 χ^2/NDF:27.8/28

Out: 25.009+/-12.801 χ^2/NDF:48.7/32

All: 40.837+/-9.048 χ^2/NDF: 79.6/61



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.404+/-0.010 χ^2/NDF:104862.9/13

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.434+/-0.010 χ^2/NDF:131134.2/12

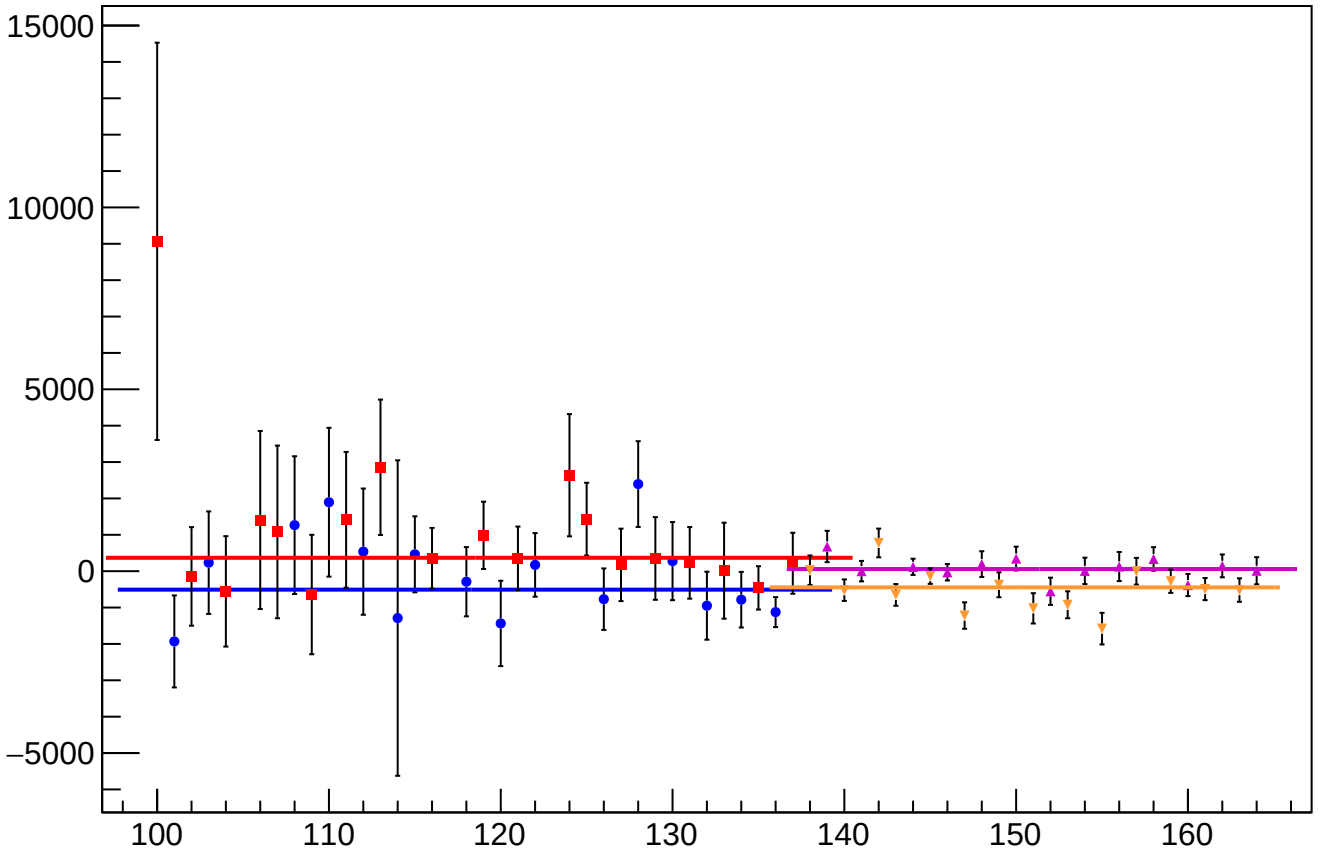
Left: 48.419+/-0.007 χ^2/NDF: 236001.2/26

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 52.563+/-0.009 χ^2/NDF:2216304.7/28

Out: 52.989+/-0.009 χ^2/NDF:2618304.9/32

All: 52.776+/-0.006 χ^2/NDF: 4835717.4/61



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -445.287+/-87.957 χ^2/NDF:30.4/13

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 59.084+/-86.518 χ^2/NDF:8.9/12

Left: -188.941+/-61.680 χ^2/NDF: 56.0/26

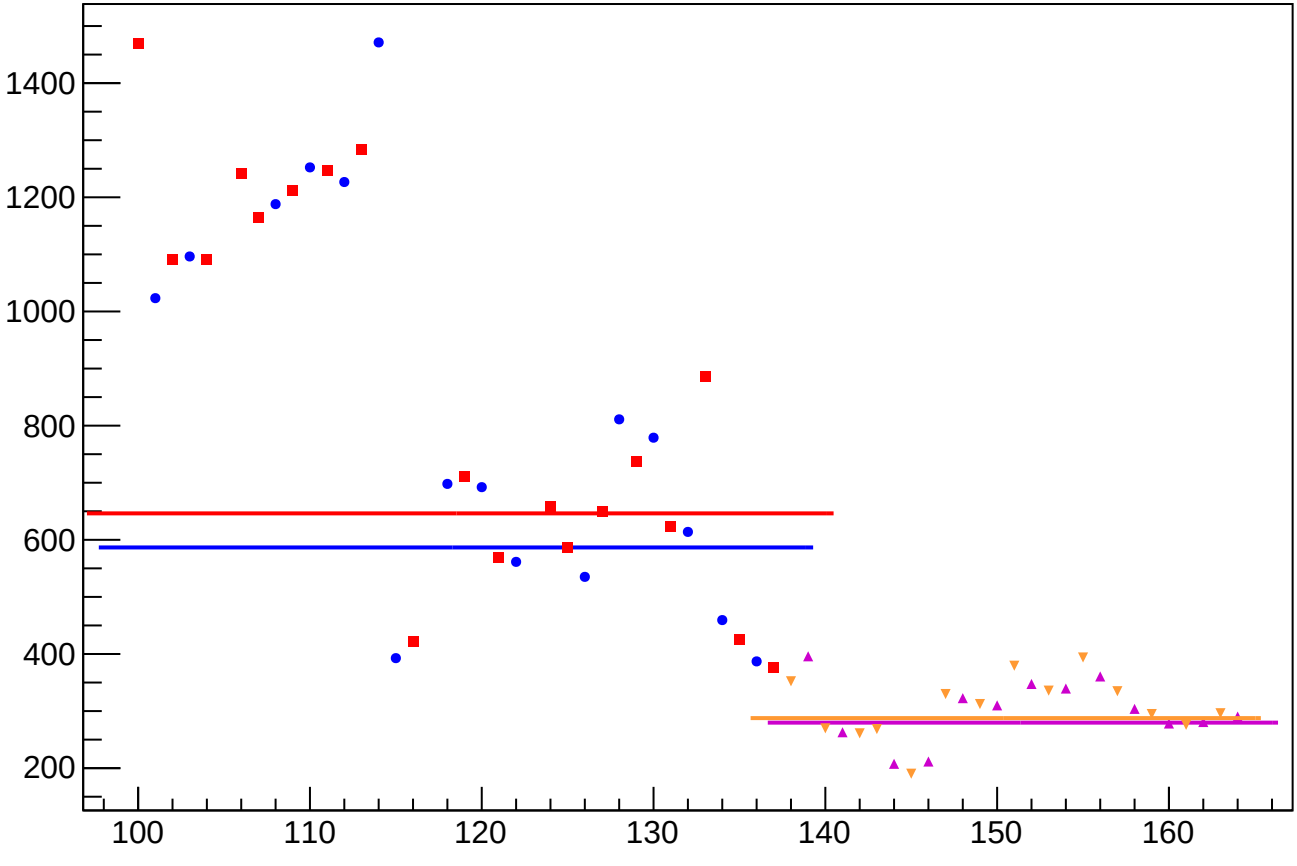
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -7.618+/-81.269 χ^2/NDF:29.6/28

Out: -359.701+/-83.202 χ^2/NDF:50.7/32

All: -179.522+/-58.138 χ^2/NDF: 89.4/61

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.699+/-0.062 χ^2/NDF:819654.7/13

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 279.756+/-0.061 χ^2/NDF:804164.5/12

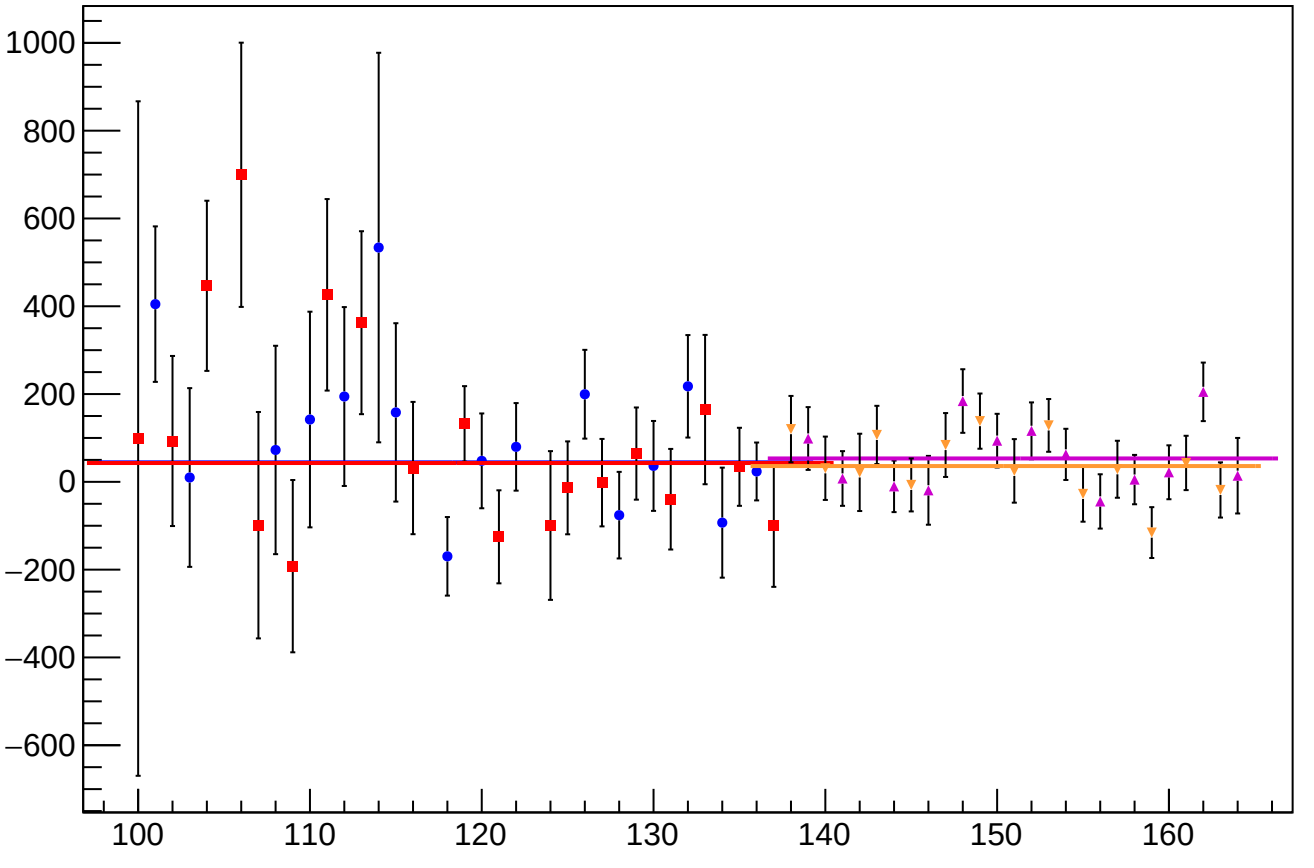
Left: 283.662+/-0.044 χ^2/NDF: 1632107.8/26

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 315.859+/-0.057 χ^2/NDF:5817674.5/28

Out: 325.424+/-0.059 χ^2/NDF:6380369.3/32

All: 320.529+/-0.041 χ^2/NDF: 12211569.3/61



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 35.979+/-17.661 χ^2/NDF:17.0/13

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 53.302+/-17.963 χ^2/NDF:16.5/12

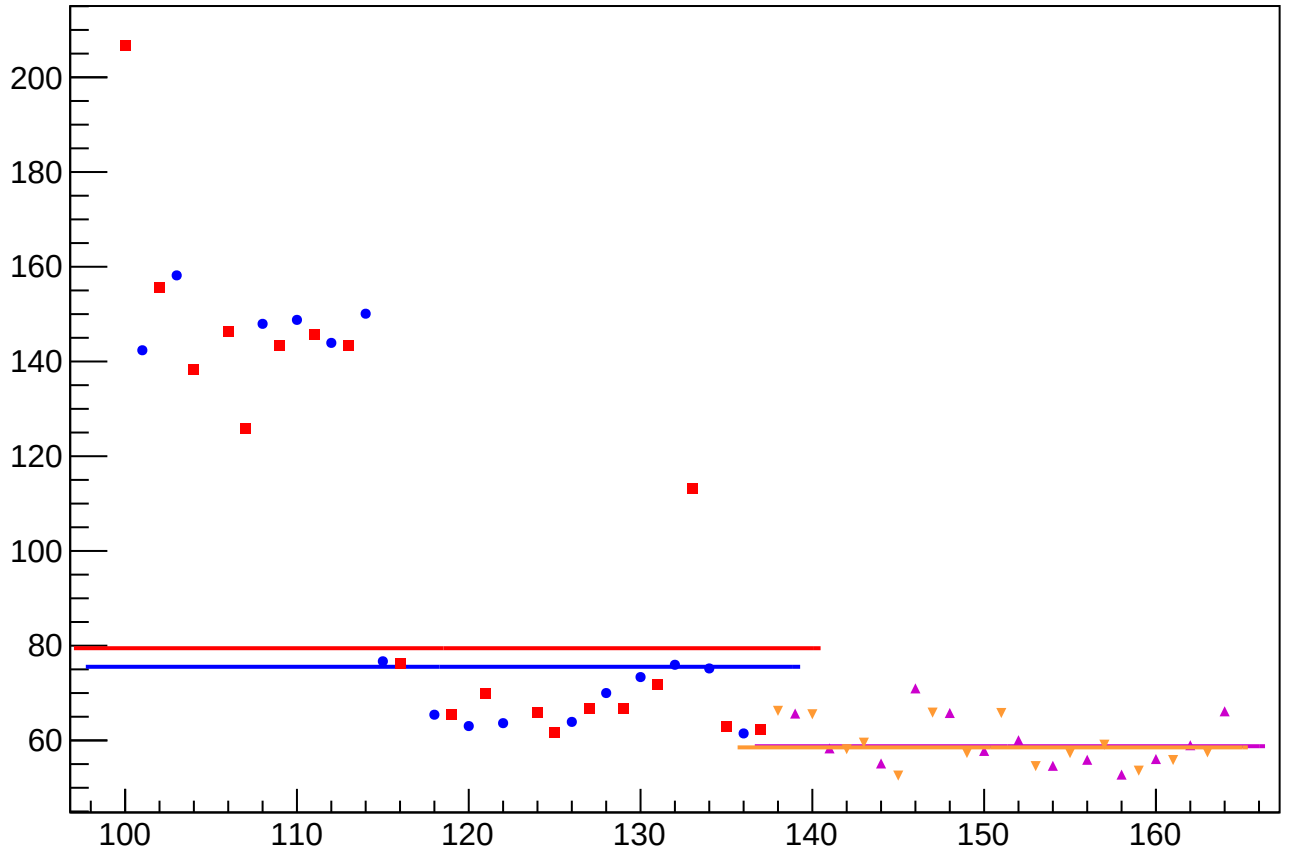
Left: 44.493+/-12.594 χ^2/NDF: 34.0/26

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 50.939+/-15.399 χ^2/NDF:36.2/28

Out: 37.654+/-15.375 χ^2/NDF:40.3/32

All: 44.286+/-10.880 χ^2/NDF: 76.9/61



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 58.529+/-0.012 χ^2/NDF:128974.4/13

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.778+/-0.013 χ^2/NDF:150539.5/12

Left: 58.651+/-0.009 χ^2/NDF: 279708.7/26

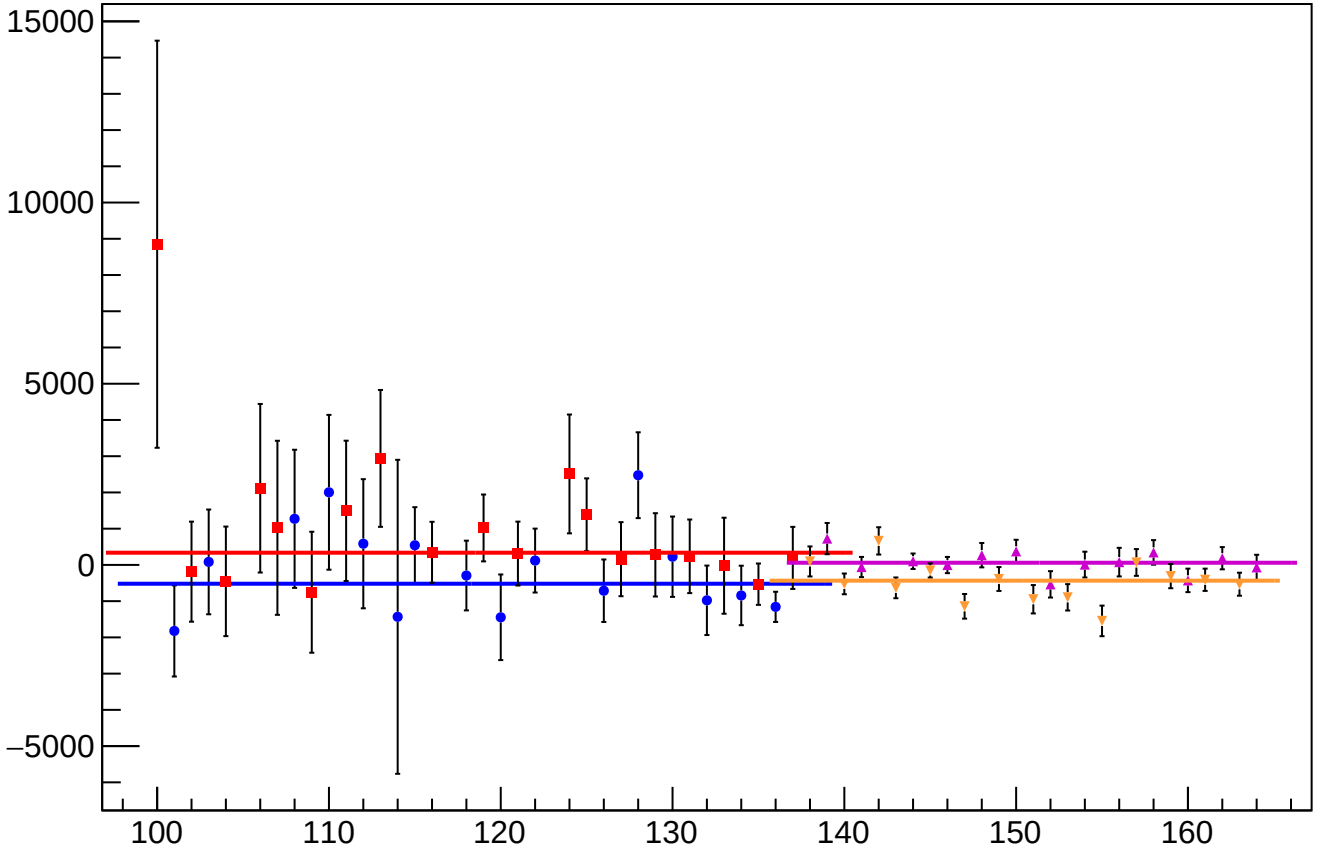
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 63.222+/-0.011 χ^2/NDF:2078010.6/28

Out: 63.597+/-0.011 χ^2/NDF:2493069.4/32

All: 63.410+/-0.008 χ^2/NDF: 4571674.2/61

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: -434.817+/-85.252 χ^2/NDF:29.5/13

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 59.785+/-85.187 χ^2/NDF:10.0/12

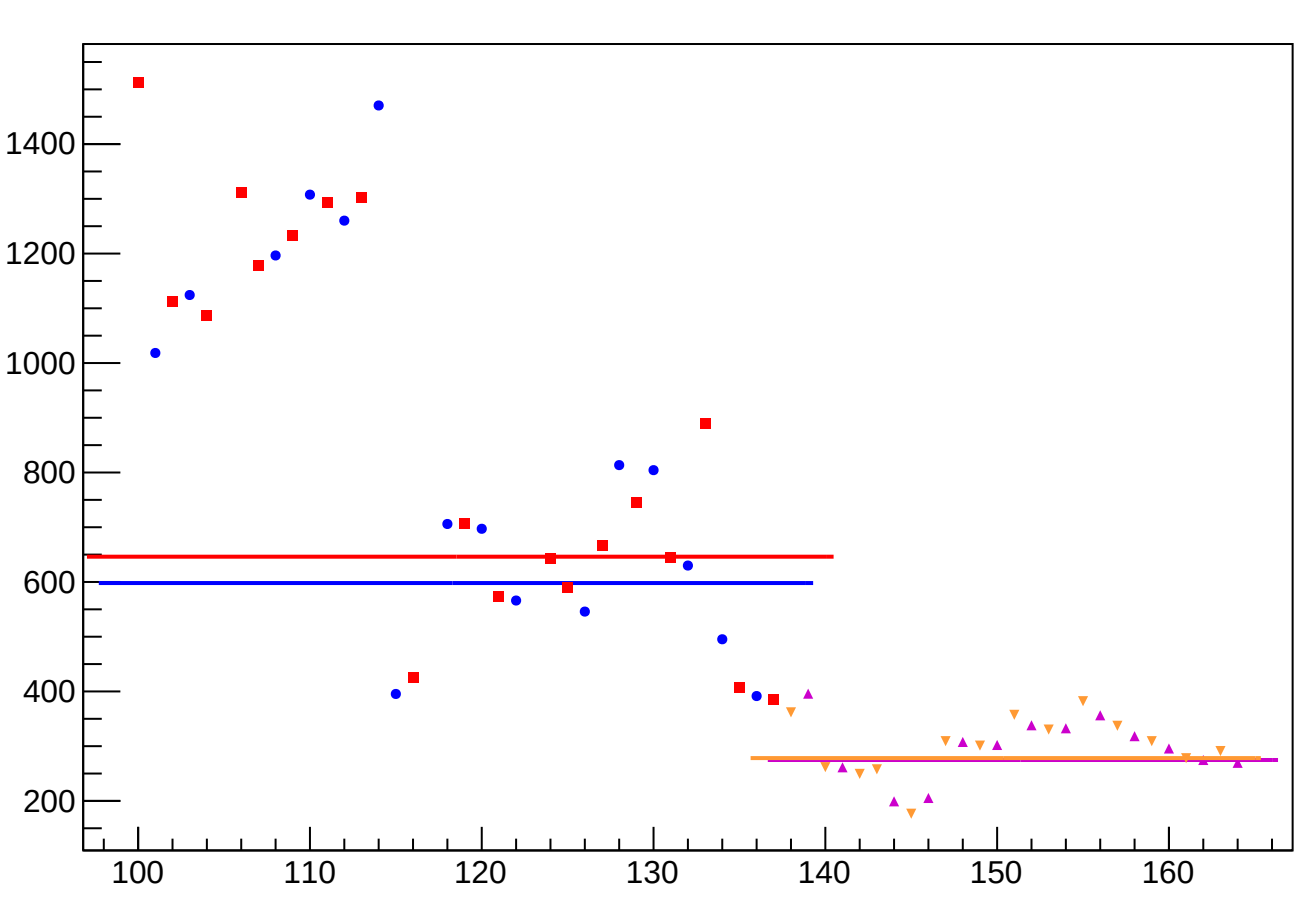
Left: -187.328+/-60.259 χ^2/NDF: 56.3/26

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -4.376+/-80.329 χ^2/NDF:30.9/28

Out: -358.129+/-80.904 χ^2/NDF:49.5/32

All: -179.990+/-57.003 χ^2/NDF: 90.1/61



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 278.223+/-0.060 χ^2/NDF:987907.2/13

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 274.743+/-0.060 χ^2/NDF:880576.3/12

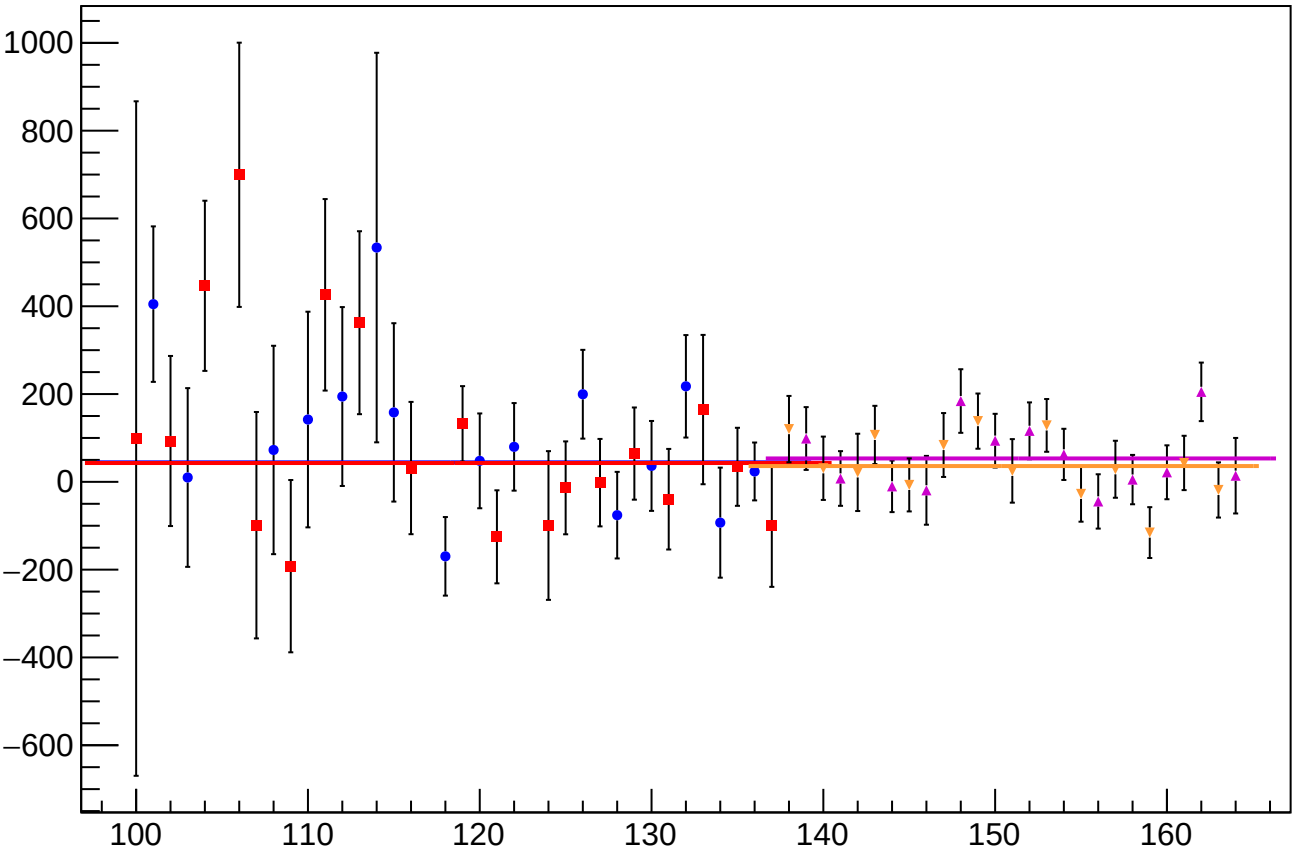
Left: 276.481+/-0.043 χ^2/NDF: 1870151.0/26

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 310.567+/-0.057 χ^2/NDF:6120430.4/28

Out: 314.797+/-0.057 χ^2/NDF:6896820.7/32

All: 312.667+/-0.040 χ^2/NDF: 13020004.4/61



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 35.979+/-17.661 χ^2/NDF:17.0/13

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 53.301+/-17.963 χ^2/NDF:16.5/12

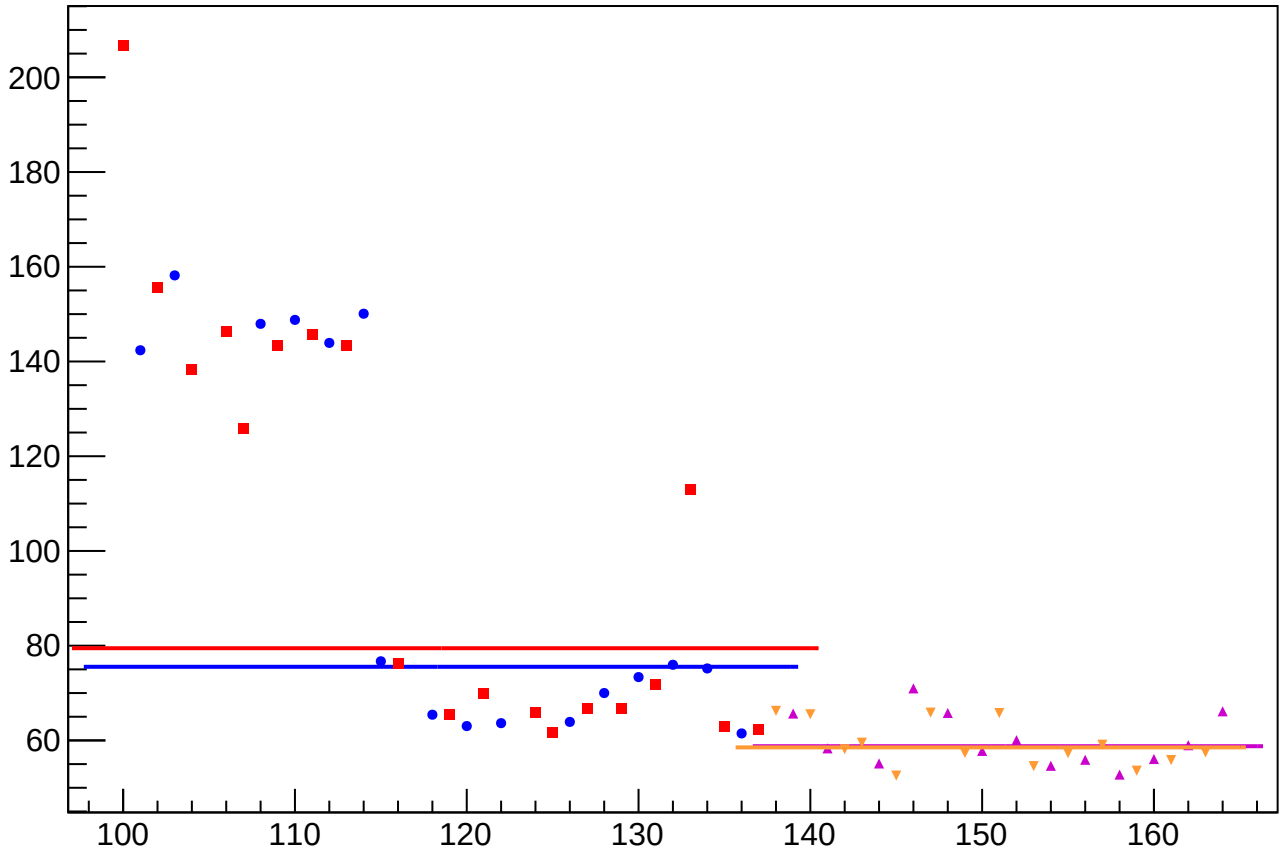
Left: 44.493+/-12.594 χ^2/NDF: 34.0/26

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 50.938+/-15.399 χ^2/NDF:36.2/28

Out: 37.655+/-15.375 χ^2/NDF:40.3/32

All: 44.286+/-10.880 χ^2/NDF: 76.9/61



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 58.529+/-0.012 χ^2/NDF:128975.0/13

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.778+/-0.013 χ^2/NDF:150545.1/12

Left: 58.651+/-0.009 χ^2/NDF: 279714.9/26

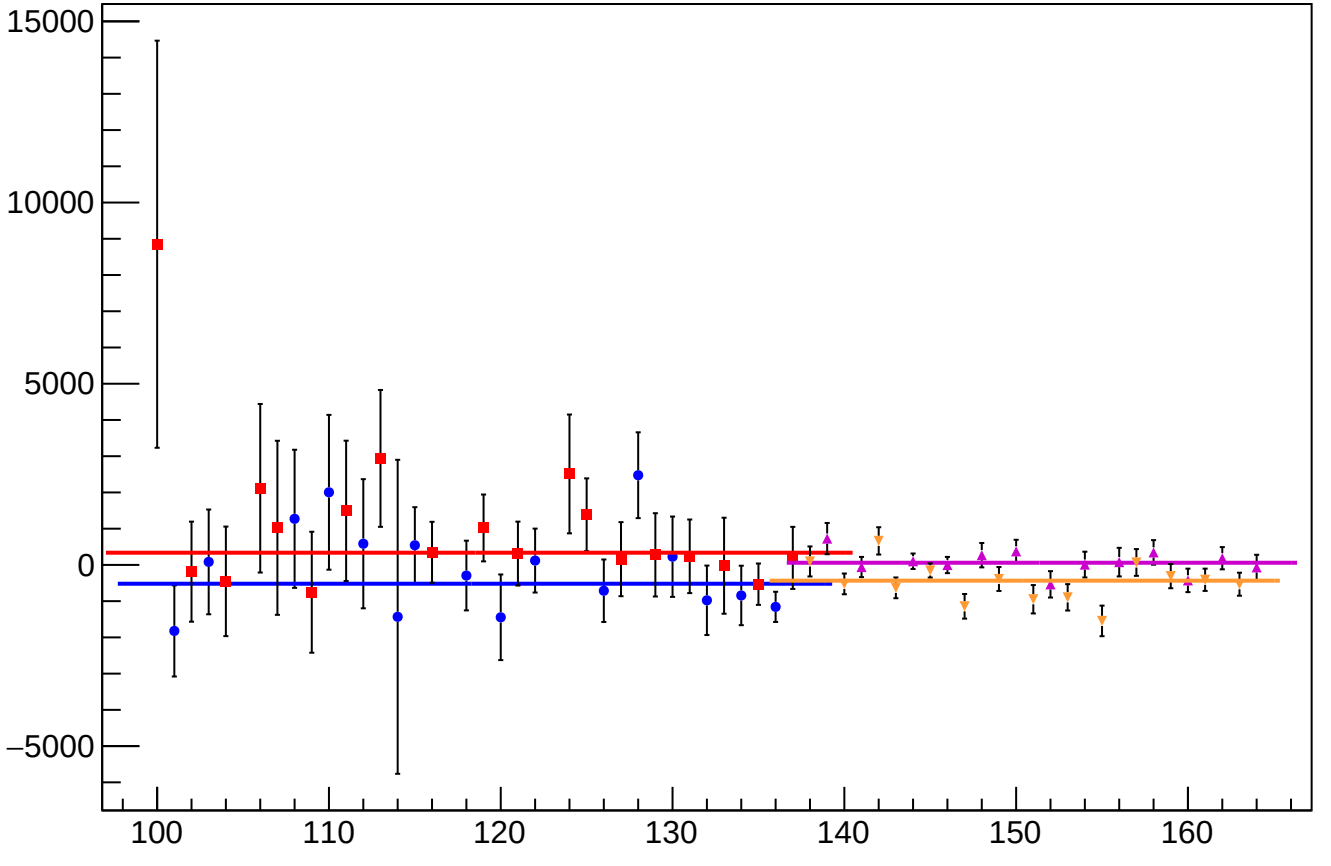
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 63.223+/-0.011 χ^2/NDF:2077977.6/28

Out: 63.598+/-0.011 χ^2/NDF:2493037.6/32

All: 63.410+/-0.008 χ^2/NDF: 4571609.3/61

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: -434.817+/-85.251 χ^2/NDF:29.5/13

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 59.785+/-85.187 χ^2/NDF:10.0/12

Left: -187.328+/-60.259 χ^2/NDF: 56.3/26

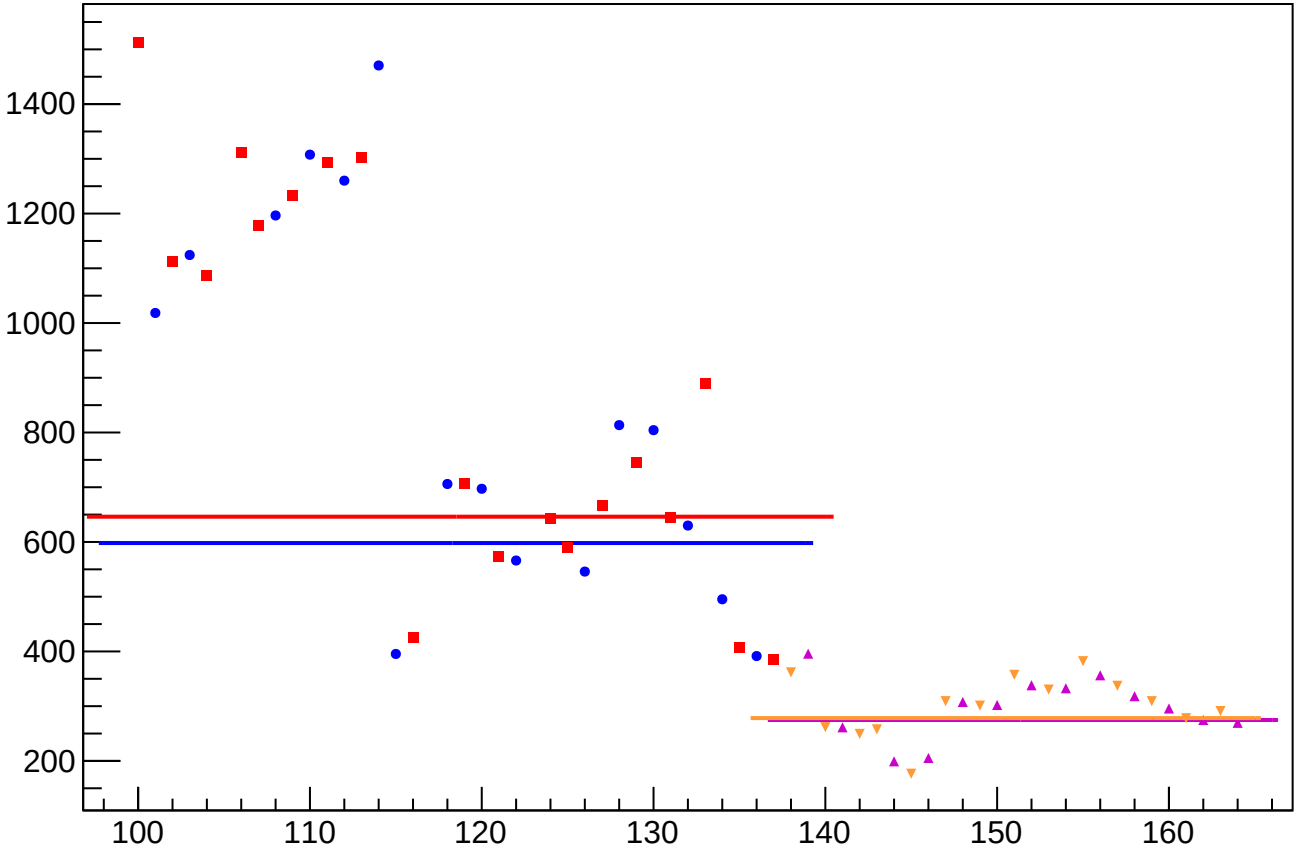
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -4.376+/-80.329 χ^2/NDF:30.9/28

Out: -358.129+/-80.904 χ^2/NDF:49.5/32

All: -179.990+/-57.003 χ^2/NDF: 90.1/61

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: 278.222+/-0.060 χ^2/NDF:987915.0/13

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 274.742+/-0.060 χ^2/NDF:880573.5/12

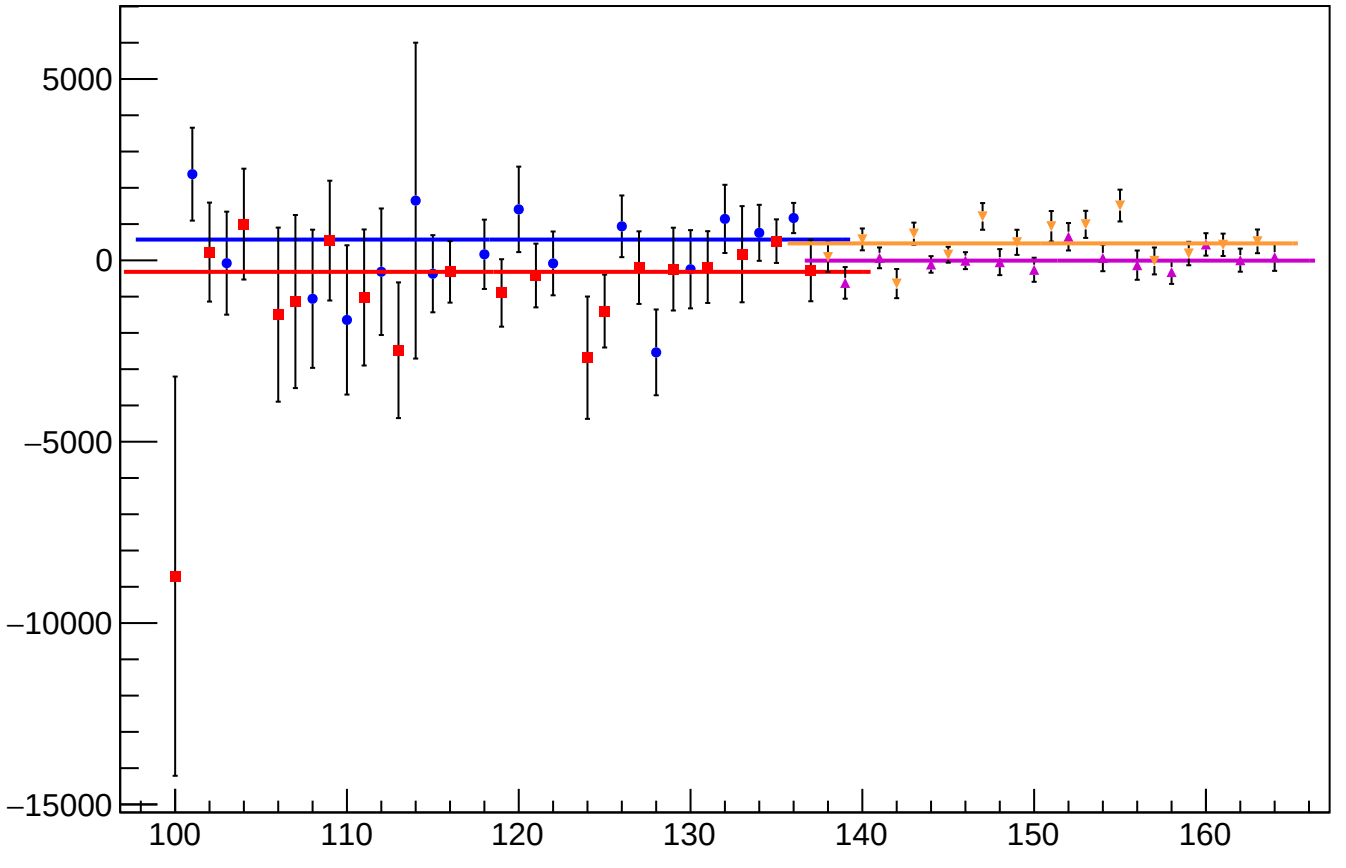
Left: 276.481+/-0.043 χ^2/NDF: 1870155.8/26

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 310.566+/-0.057 χ^2/NDF:6120416.0/28

Out: 314.796+/-0.057 χ^2/NDF:6896823.7/32

All: 312.666+/-0.040 χ^2/NDF: 13019992.7/61



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 467.953+/-89.354 χ^2/NDF:26.9/13

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -7.136+/-88.041 χ^2/NDF:9.1/12

Left: 226.894+/-62.713 χ^2/NDF: 50.3/26

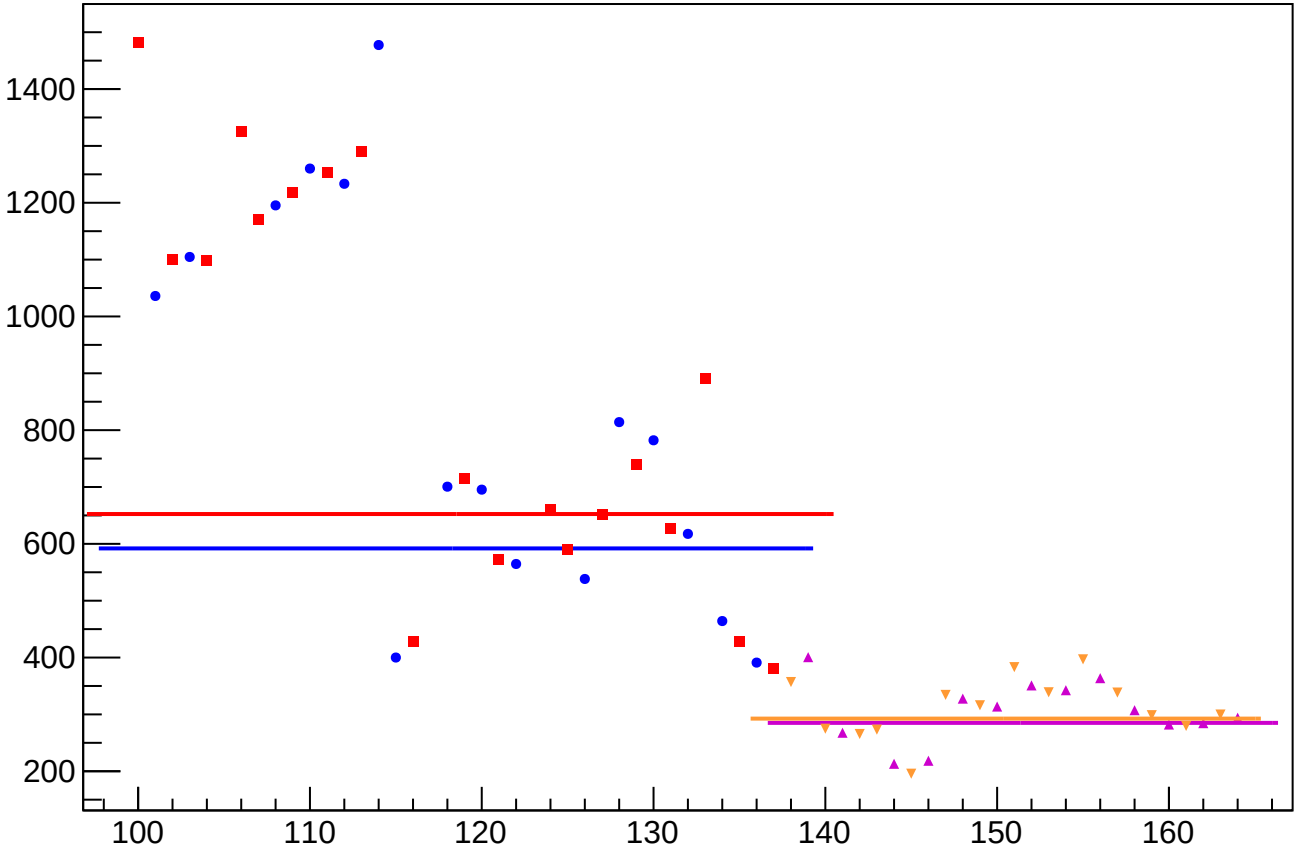
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 62.266+/-82.611 χ^2/NDF:30.9/28

Out: 384.042+/-84.442 χ^2/NDF:46.2/32

All: 219.628+/-59.051 χ^2/NDF: 84.4/61

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 292.603+/-0.063 χ^2/NDF:772242.9/13

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 285.086+/-0.062 χ^2/NDF:748696.9/12

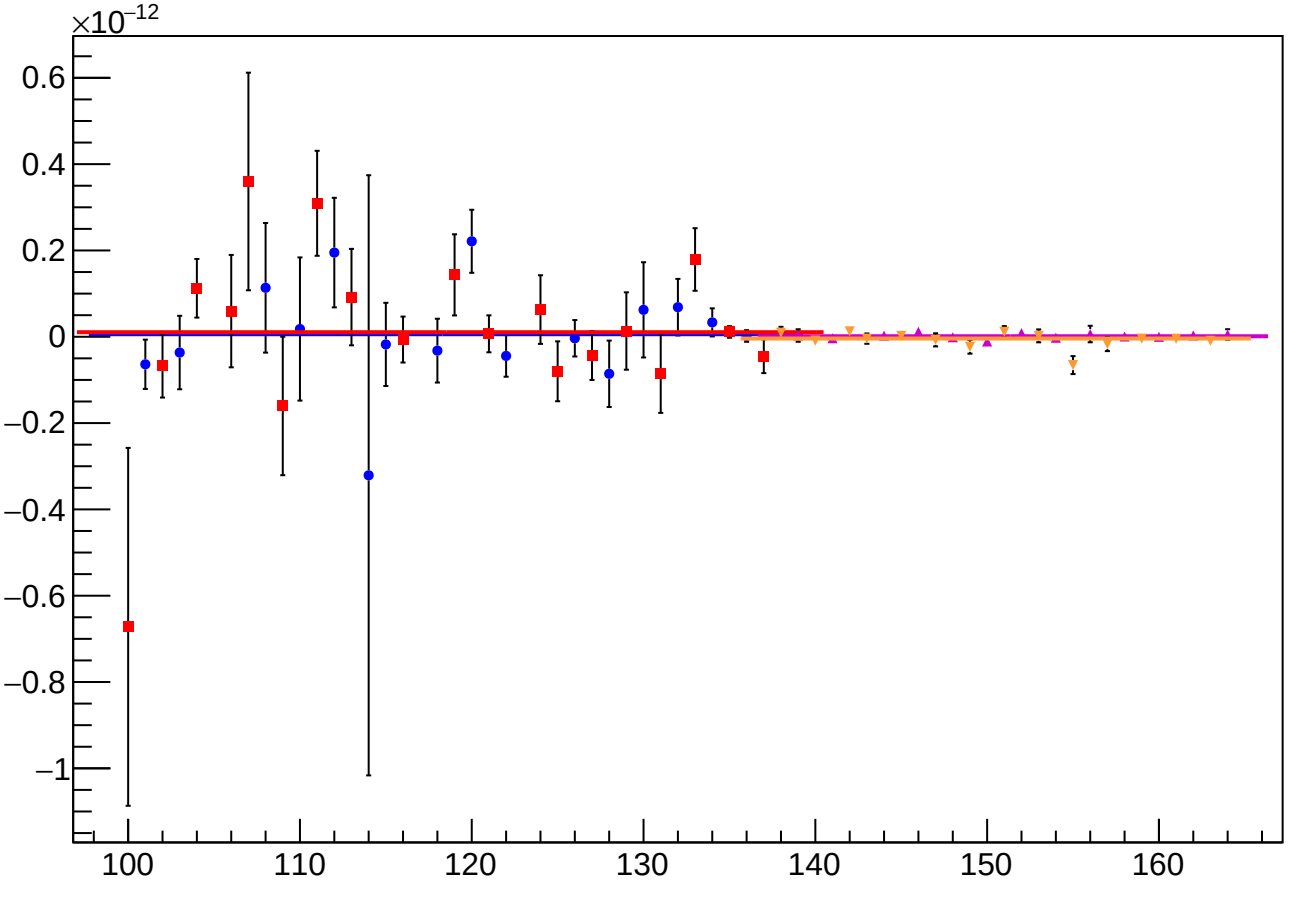
Left: 288.789+/-0.044 χ^2/NDF: 1528121.0/26

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 321.776+/-0.058 χ^2/NDF:5689642.6/28

Out: 331.080+/-0.060 χ^2/NDF:6330671.9/32

All: 326.326+/-0.042 χ^2/NDF: 12032720.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/12

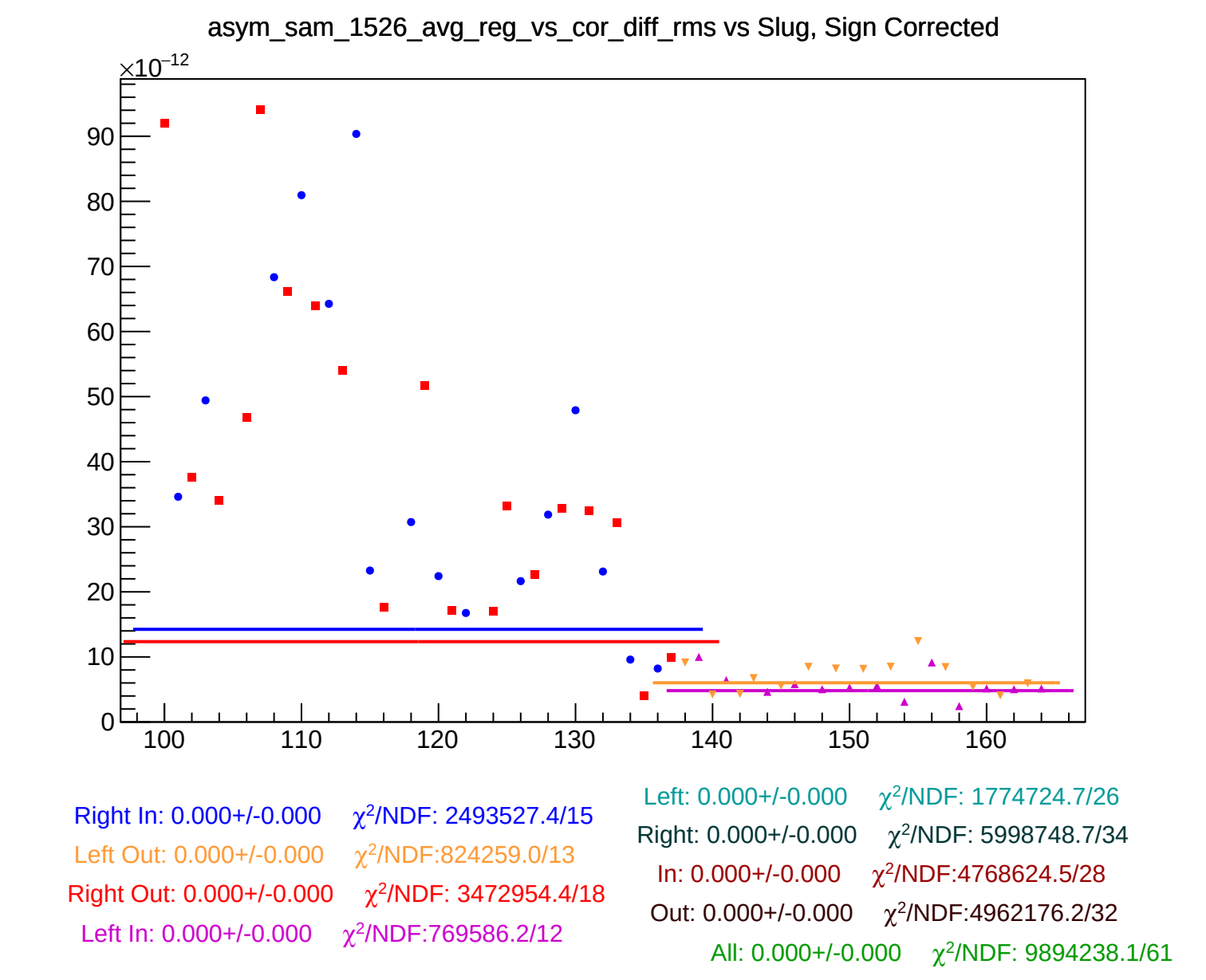
Left: -0.000+/-0.000 χ^2/NDF: 22.4/26

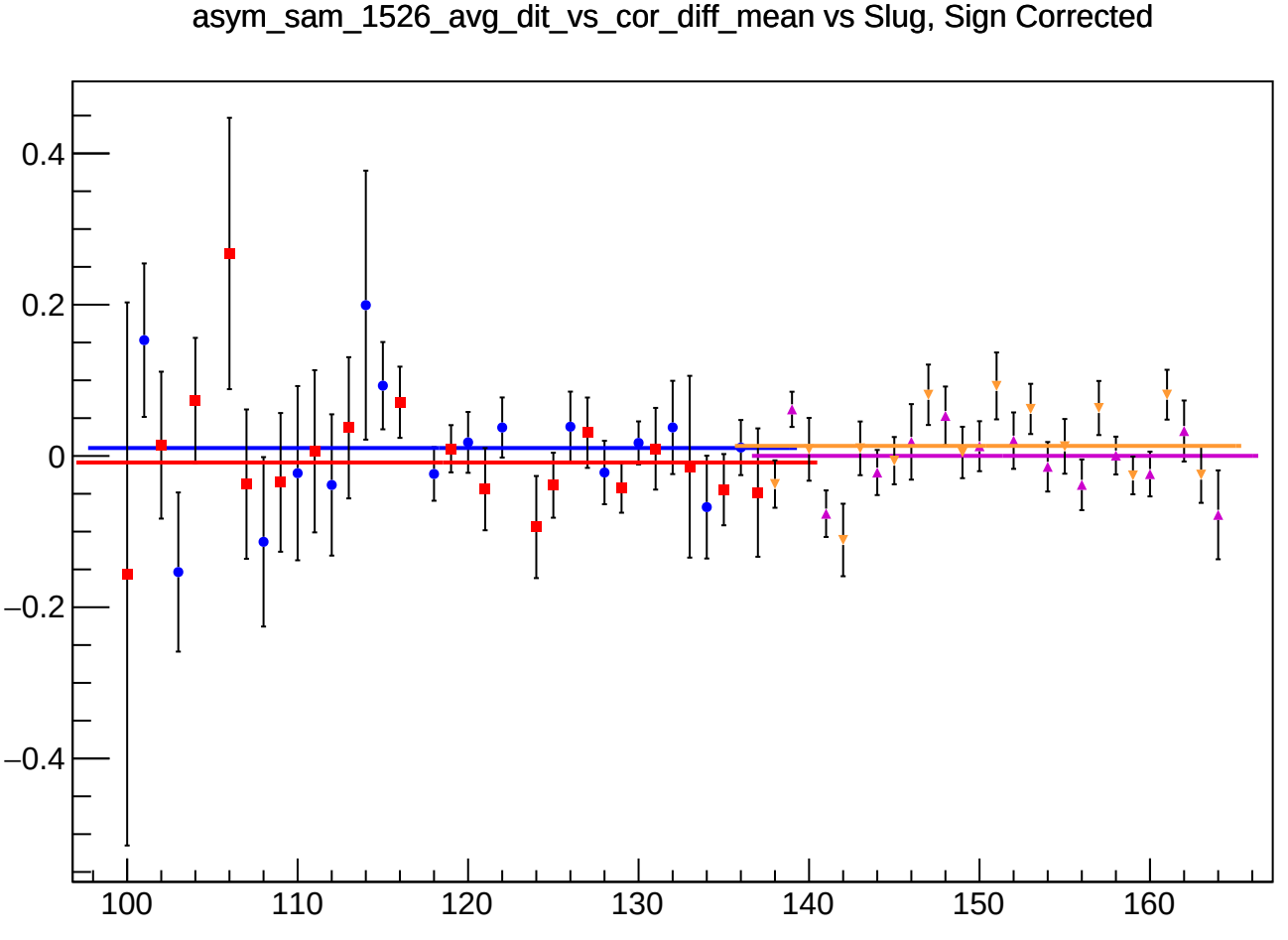
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:22.2/28

Out: -0.000+/-0.000 χ^2/NDF:48.2/32

All: -0.000+/-0.000 χ^2/NDF: 71.7/61


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:824259.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:769586.2/12
Left: 0.000+/-0.000 χ²/NDF: 1774724.7/26
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:4768624.5/28
Out: 0.000+/-0.000 χ²/NDF:4962176.2/32
All: 0.000+/-0.000 χ²/NDF: 9894238.1/61



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.013+/-0.009 χ^2/NDF:27.7/13

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.7/12

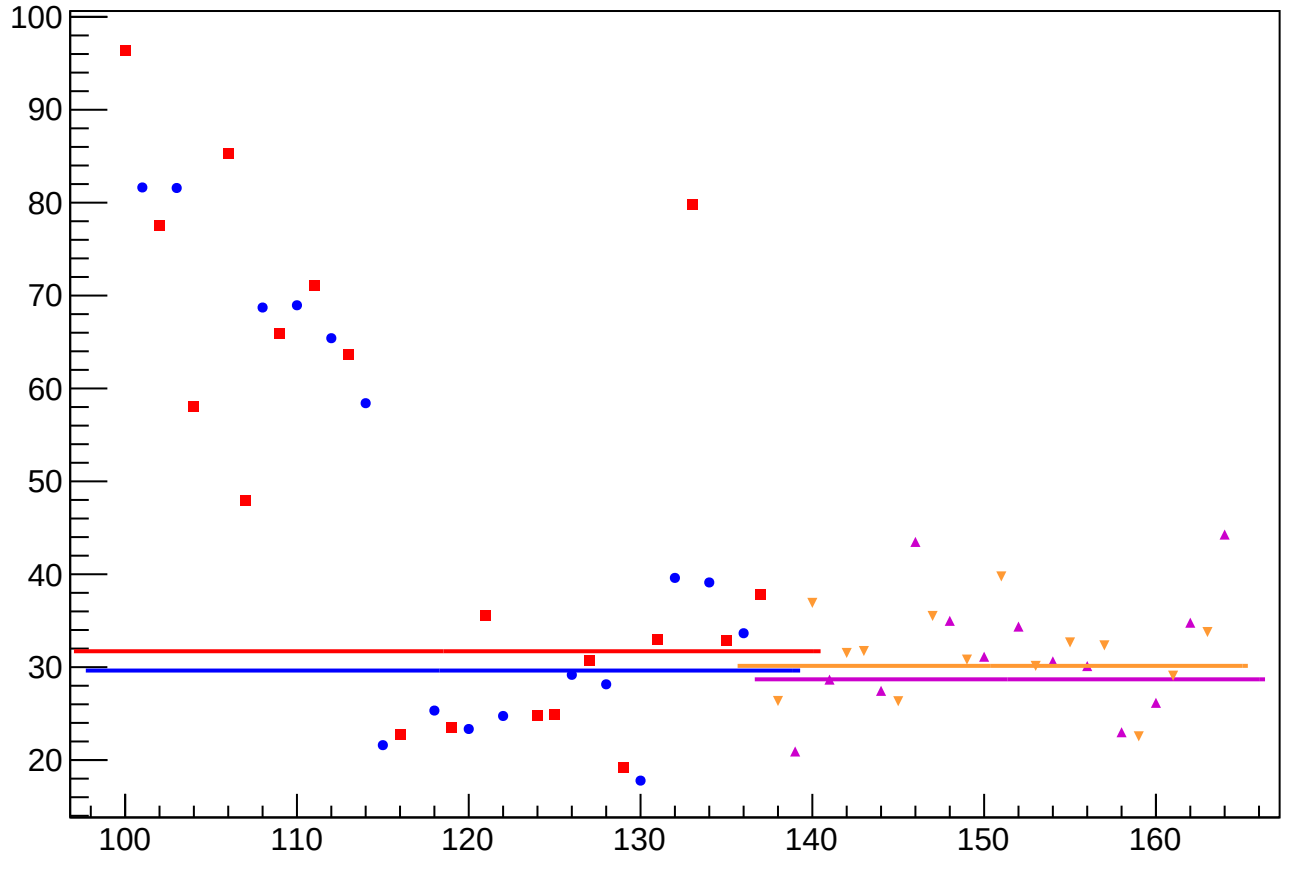
Left: 0.007+/-0.006 χ^2/NDF: 49.5/26

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/28

Out: 0.006+/-0.008 χ^2/NDF:42.0/32

All: 0.005+/-0.005 χ^2/NDF: 76.3/61



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.139+/-0.007 χ^2/NDF:473467.1/13

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.690+/-0.006 χ^2/NDF:826672.6/12

Left: 29.395+/-0.005 χ^2/NDF: 1325077.1/26

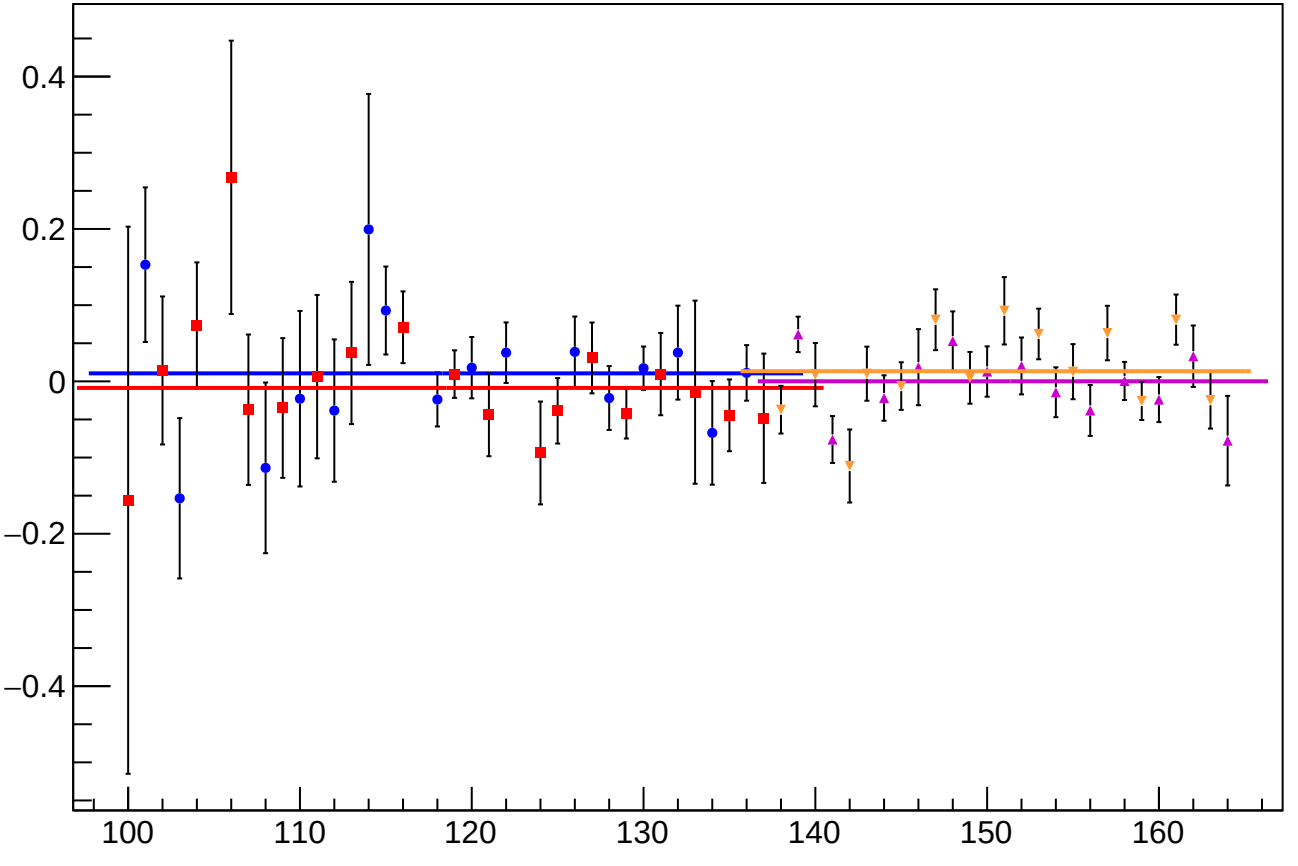
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.013+/-0.005 χ^2/NDF:3282590.3/28

Out: 30.659+/-0.005 χ^2/NDF:3143843.3/32

All: 29.807+/-0.004 χ^2/NDF: 6474864.5/61

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: 0.013+/-0.009 χ^2/NDF:27.7/13

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.7/12

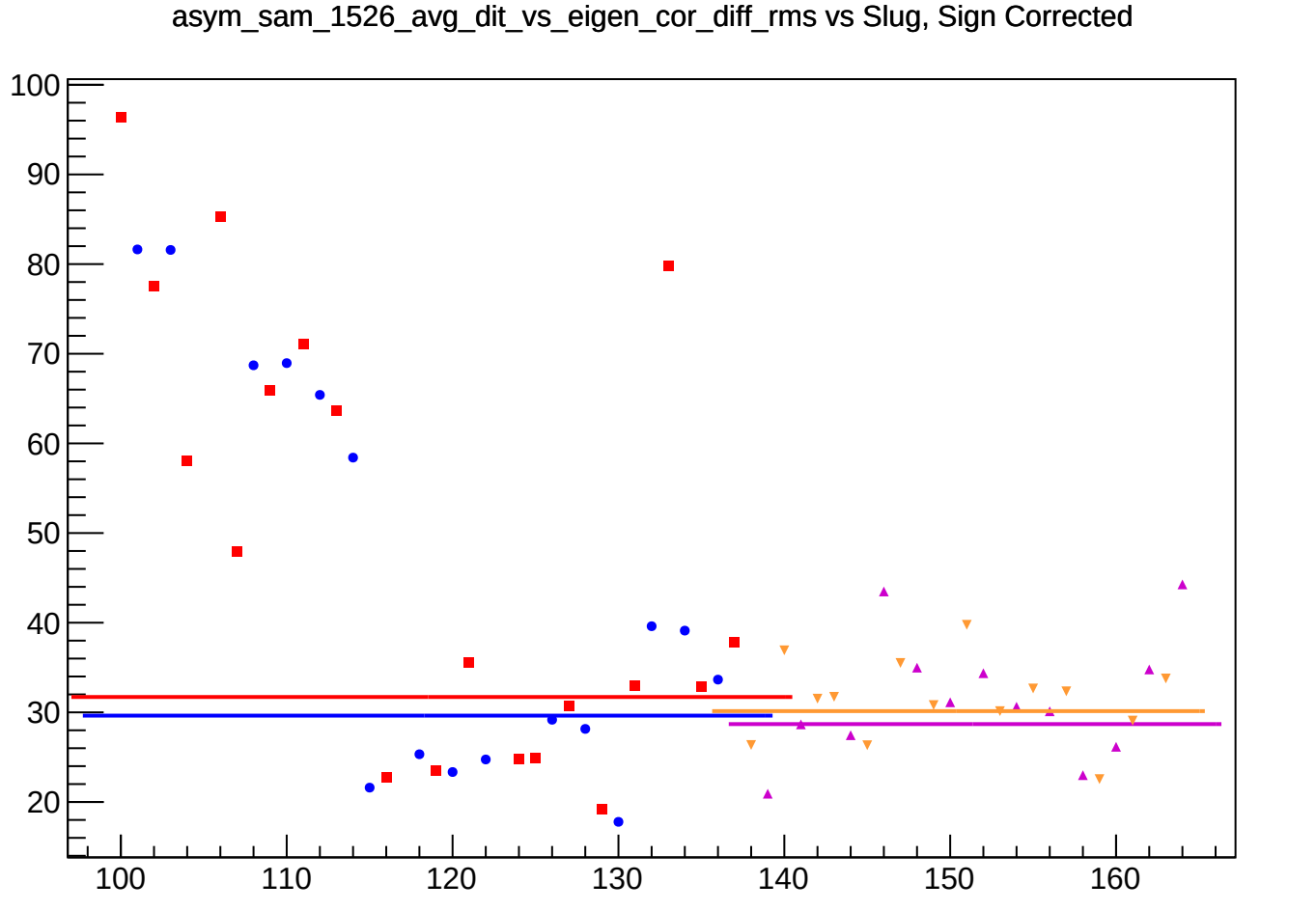
Left: 0.007+/-0.006 χ^2/NDF: 49.5/26

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/28

Out: 0.006+/-0.008 χ^2/NDF:42.0/32

All: 0.005+/-0.005 χ^2/NDF: 76.3/61



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.139+/-0.007 χ^2/NDF:473467.1/13

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.690+/-0.006 χ^2/NDF:826672.6/12

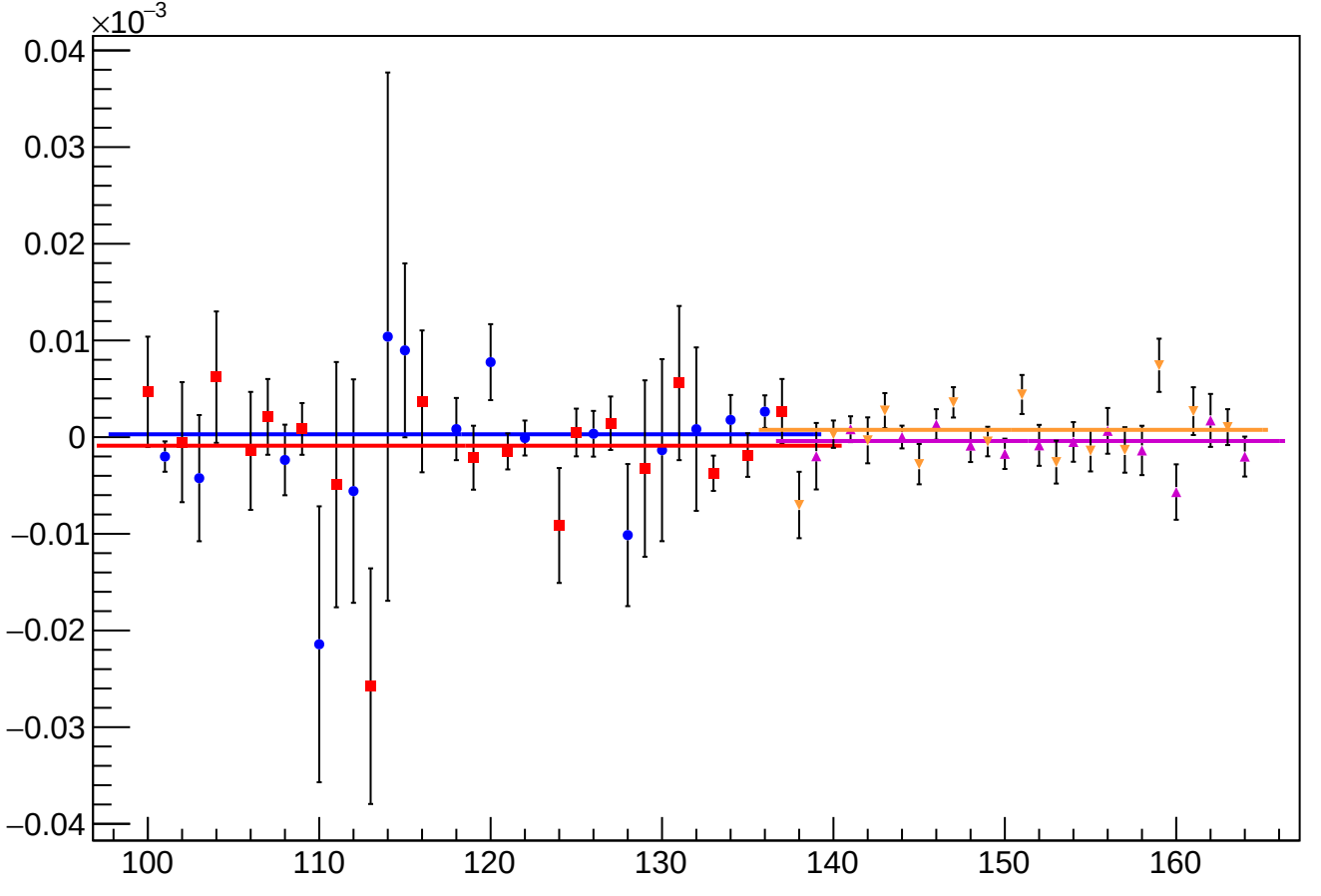
Left: 29.395+/-0.005 χ^2/NDF: 1325077.1/26

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 29.013+/-0.005 χ^2/NDF:3282590.3/28

Out: 30.659+/-0.005 χ^2/NDF:3143843.3/32

All: 29.807+/-0.004 χ^2/NDF: 6474864.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/12

Left: 0.000+/-0.000 χ^2/NDF: 37.9/26

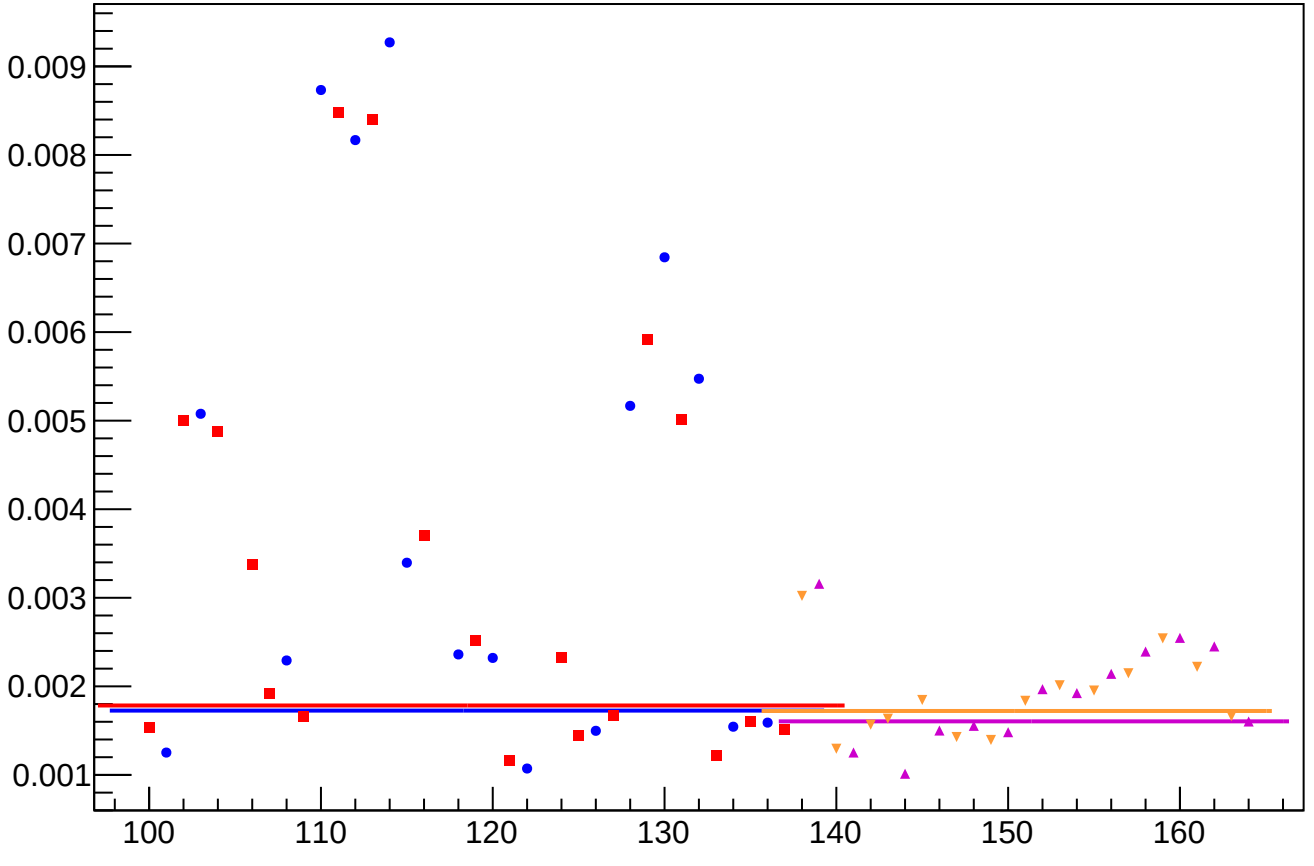
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:23.5/28

Out: 0.000+/-0.000 χ^2/NDF:45.7/32

All: 0.000+/-0.000 χ^2/NDF: 69.7/61

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:1039907.8/13

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1883603.3/12

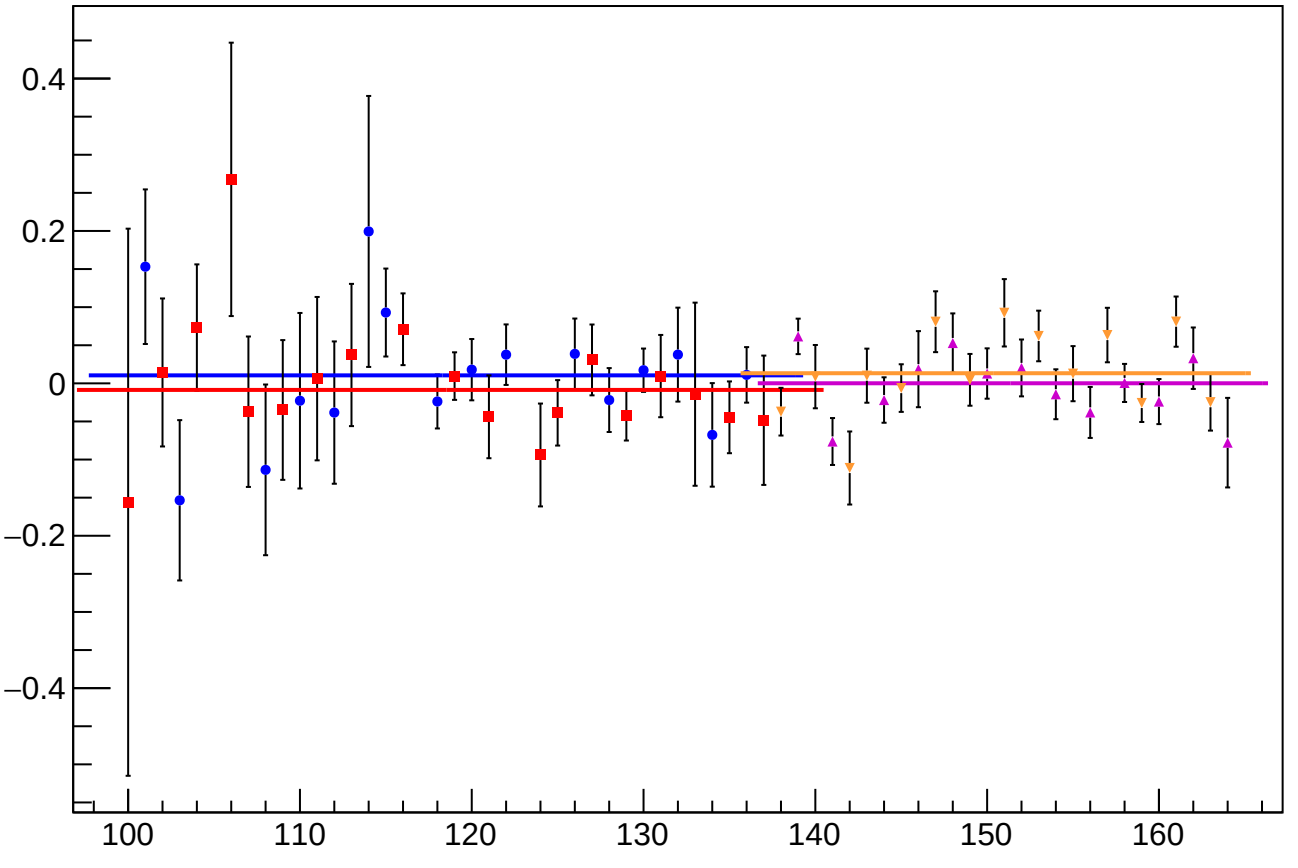
Left: 0.002+/-0.000 χ^2/NDF: 2974028.2/26

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:5850840.4/28

Out: 0.002+/-0.000 χ^2/NDF:4767380.5/32

All: 0.002+/-0.000 χ^2/NDF: 10670859.1/61



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.013+/-0.009 χ^2/NDF:27.7/13

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.7/12

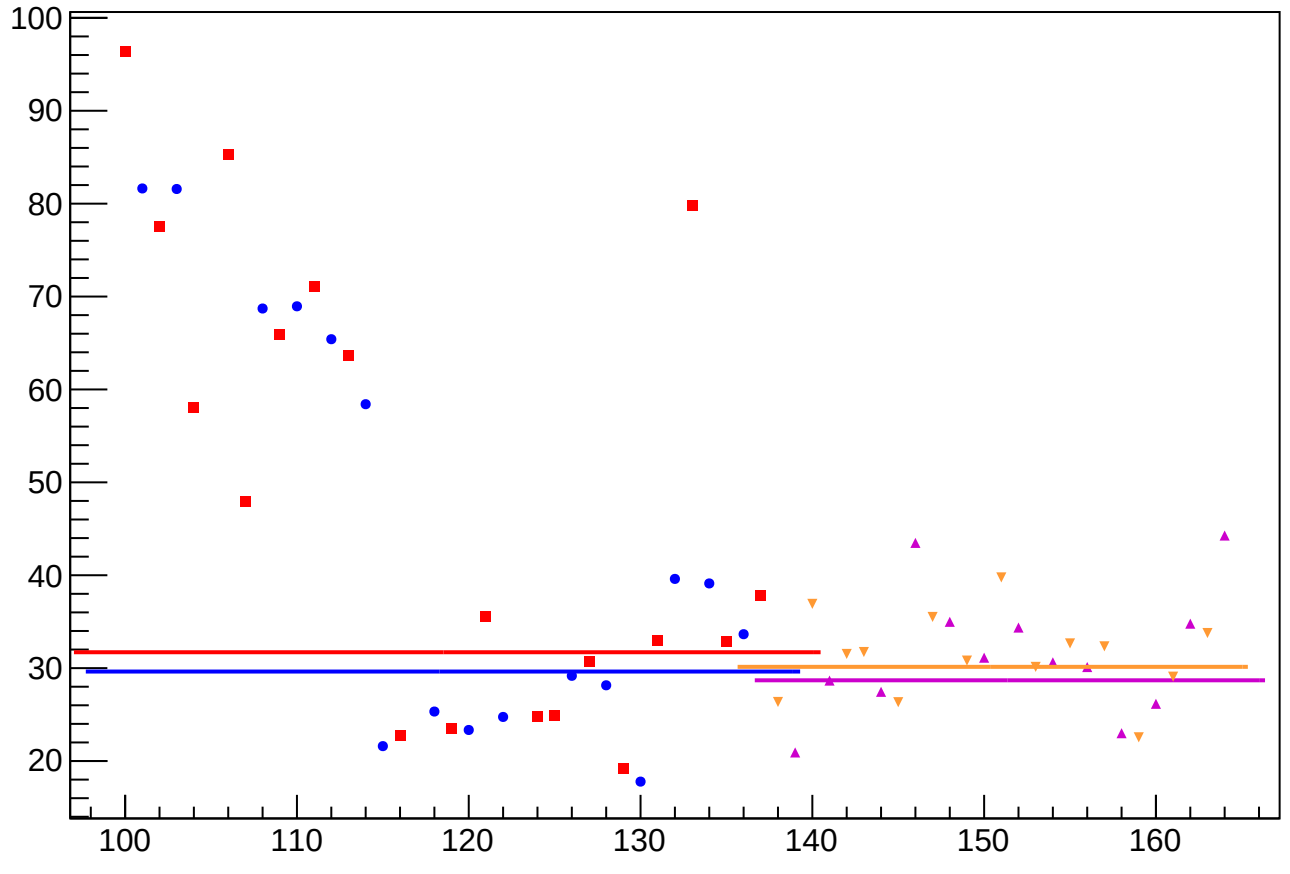
Left: 0.007+/-0.006 χ^2/NDF: 49.5/26

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/28

Out: 0.006+/-0.008 χ^2/NDF:42.0/32

All: 0.005+/-0.005 χ^2/NDF: 76.3/61



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.139+/-0.007 χ^2/NDF:473494.4/13

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.690+/-0.006 χ^2/NDF:826703.8/12

Left: 29.395+/-0.005 χ^2/NDF: 1325133.7/26

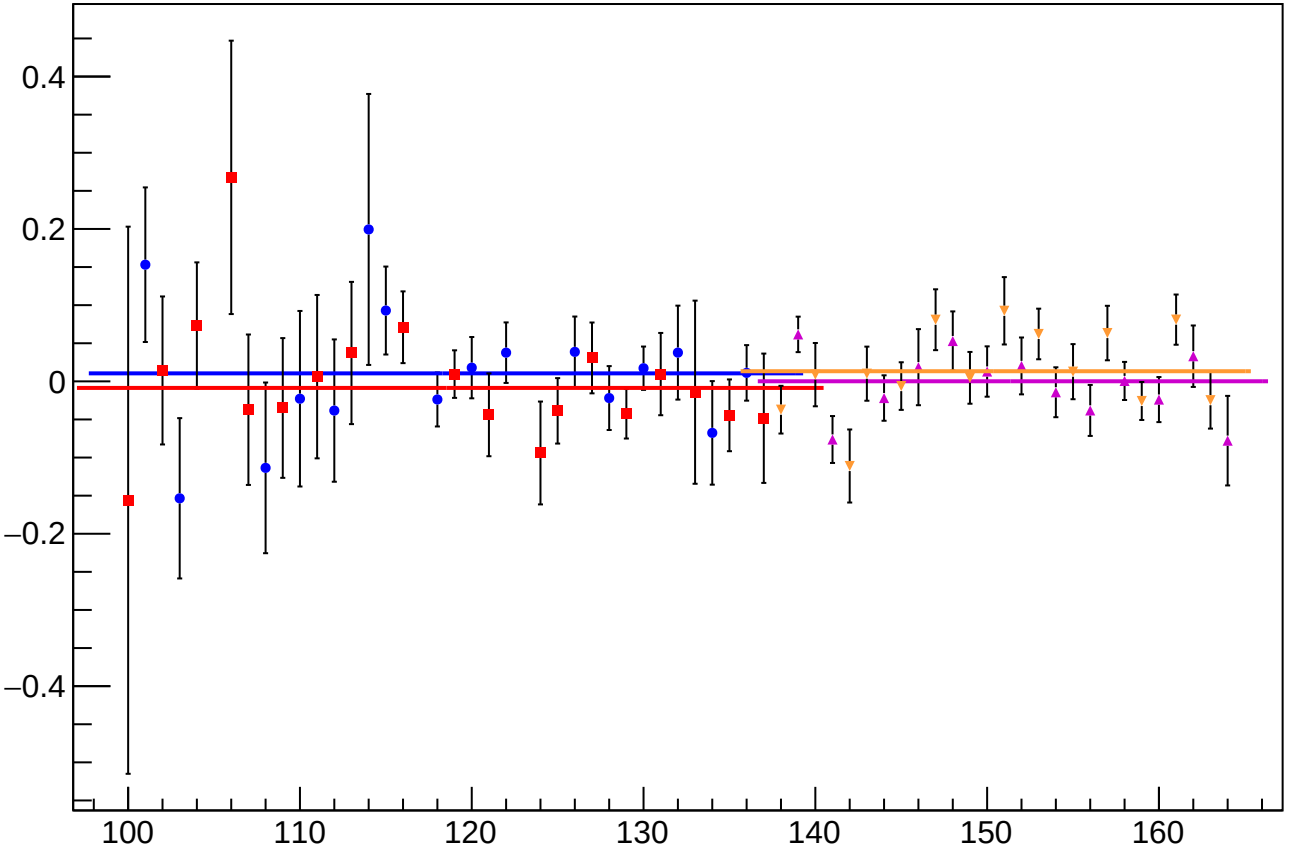
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 29.013+/-0.005 χ^2/NDF:3282800.0/28

Out: 30.658+/-0.005 χ^2/NDF:3144002.8/32

All: 29.806+/-0.004 χ^2/NDF: 6475233.7/61

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: 0.013+/-0.009 χ^2/NDF:27.7/13

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.009 χ^2/NDF:20.7/12

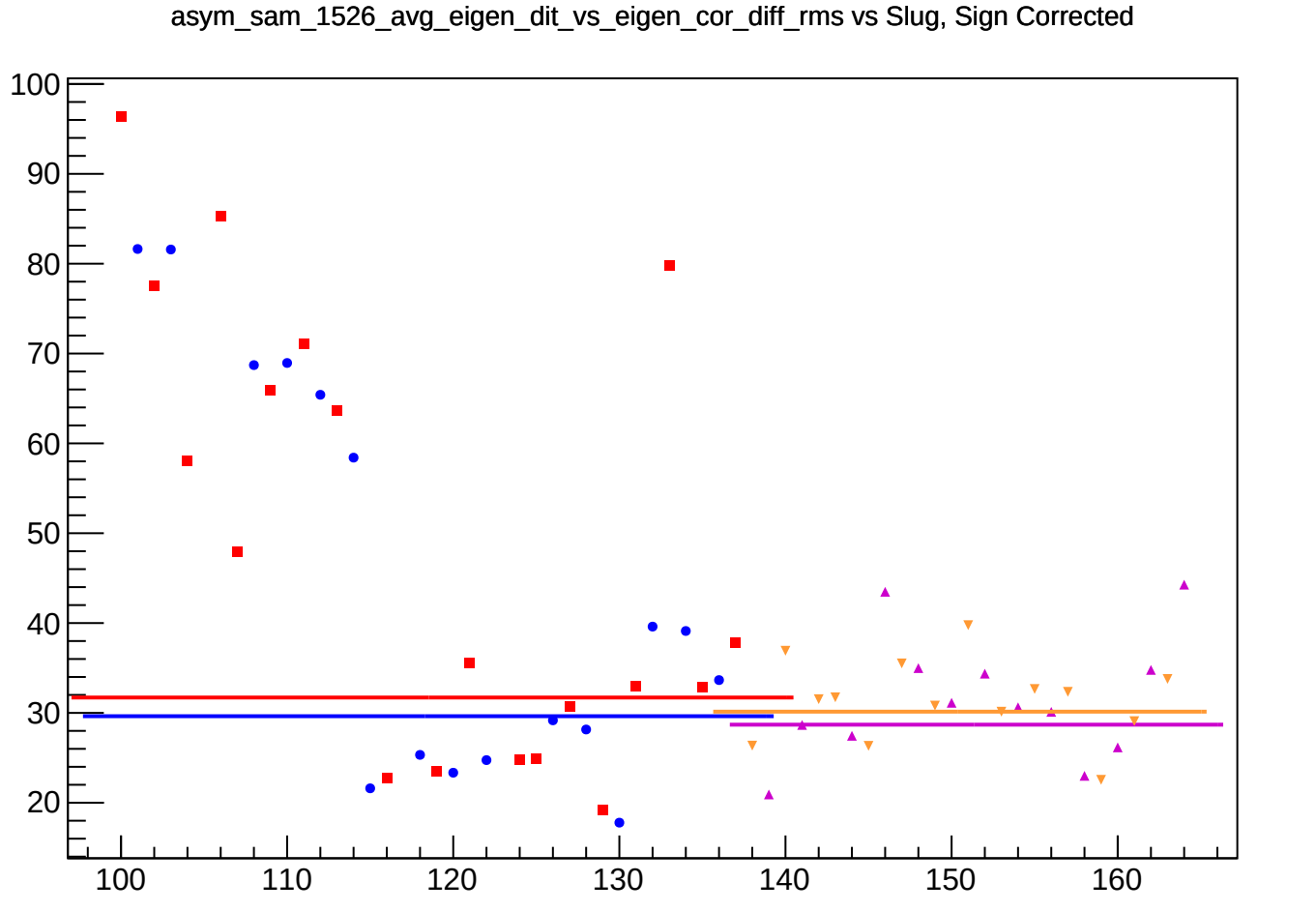
Left: 0.007+/-0.006 χ^2/NDF: 49.5/26

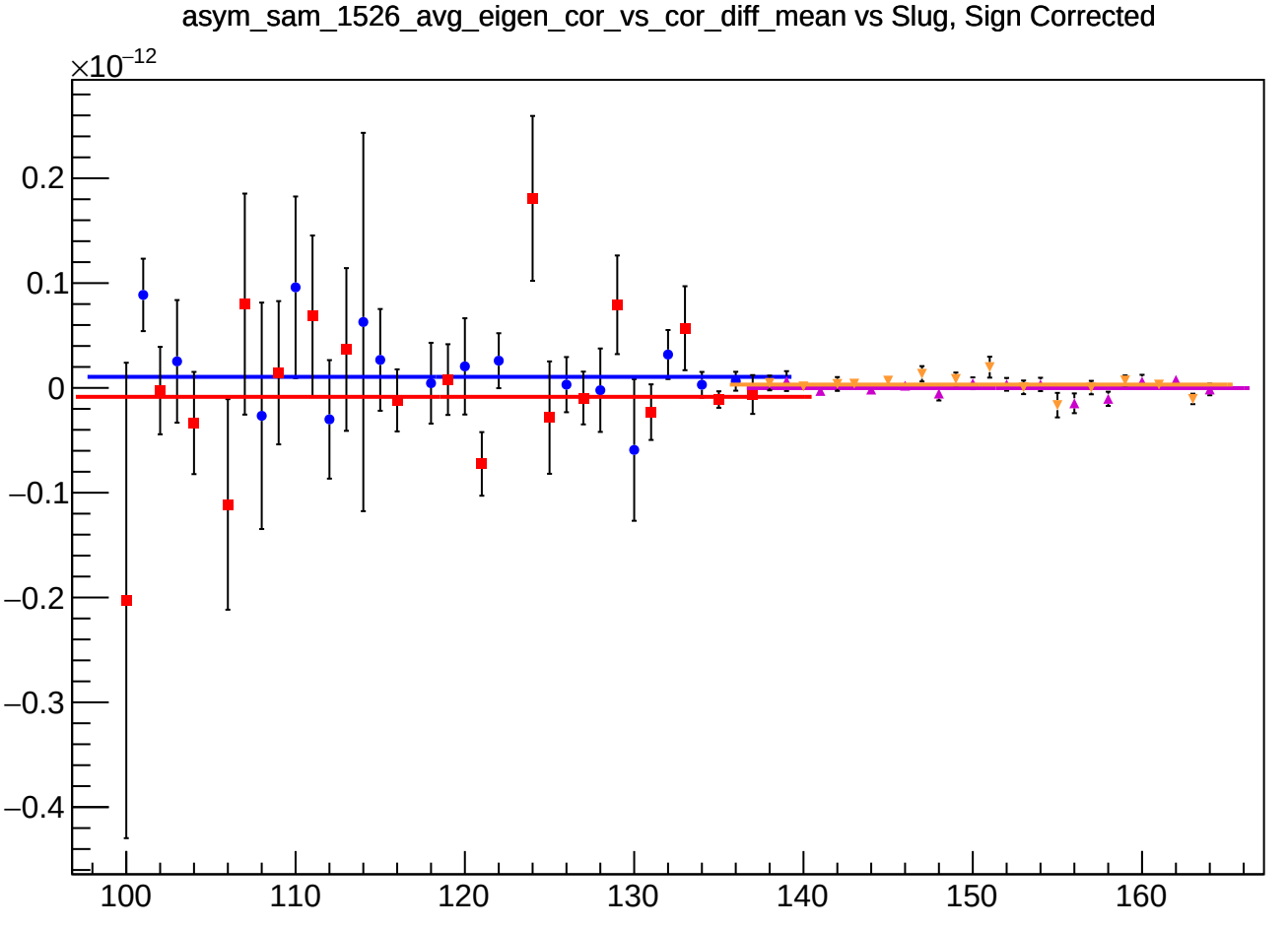
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.004+/-0.007 χ^2/NDF:34.3/28

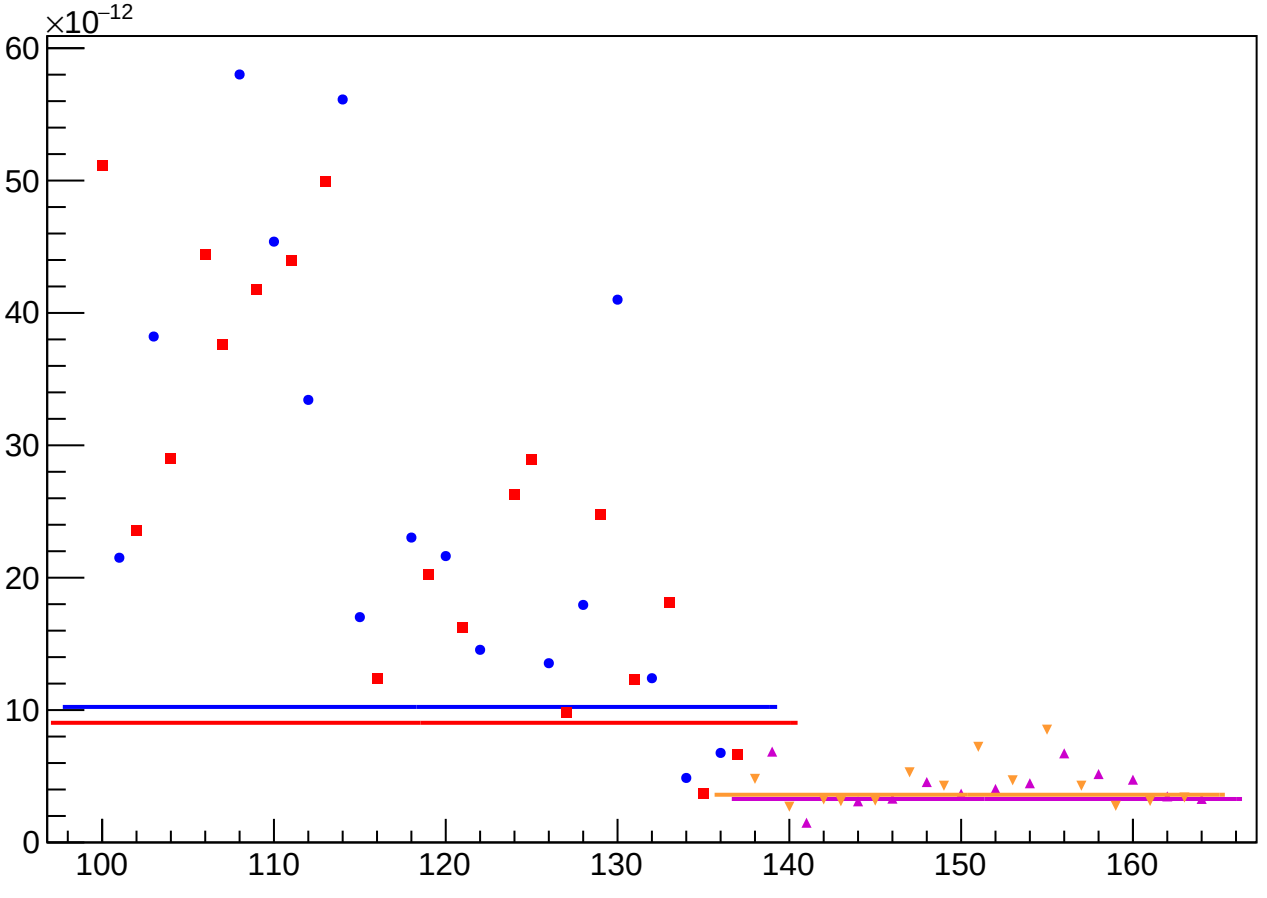
Out: 0.006+/-0.008 χ^2/NDF:42.0/32

All: 0.005+/-0.005 χ^2/NDF: 76.3/61


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
160
Right In: 29.633+/-0.009 χ²/NDF: 2448670.6/15
Left Out: 30.139+/-0.007 χ²/NDF:473494.4/13
Right Out: 31.711+/-0.009 χ²/NDF: 2651638.6/18
Left In: 28.690+/-0.006 χ²/NDF:826703.8/12
Left: 29.395+/-0.005 χ²/NDF: 1325133.7/26
Right: 30.617+/-0.006 χ²/NDF: 5126235.3/34
In: 29.013+/-0.005 χ²/NDF:3282800.0/28
Out: 30.658+/-0.005 χ²/NDF:3144002.8/32
All: 29.806+/-0.004 χ²/NDF: 6475233.7/61


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:17.9/13
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:12.2/12
Left: 0.000+/-0.000 χ²/NDF: 32.8/26
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:25.3/28
Out: 0.000+/-0.000 χ²/NDF:43.0/32
All: 0.000+/-0.000 χ²/NDF: 69.4/61

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1137939.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1889301.0/12

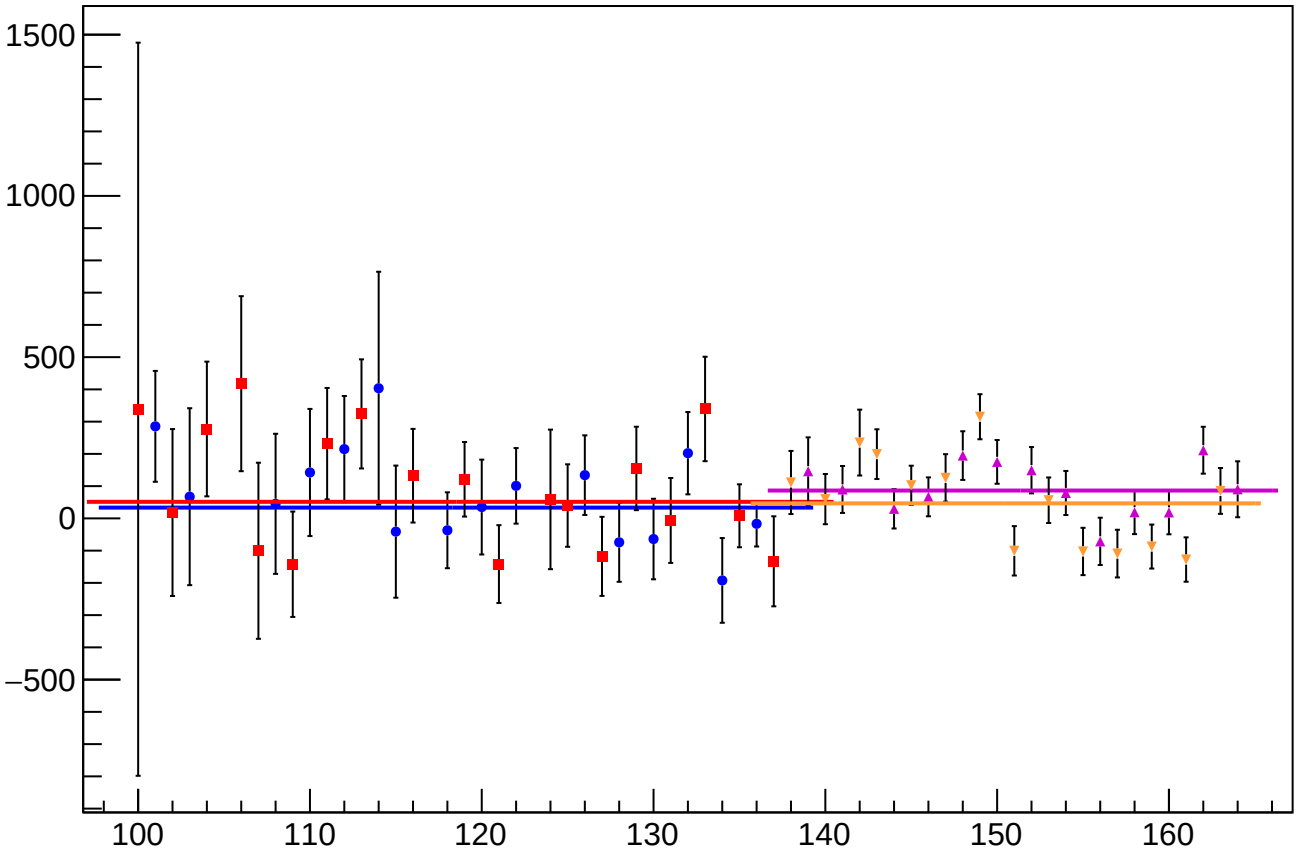
Left: 0.000+/-0.000 χ^2/NDF: 3076710.6/26

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

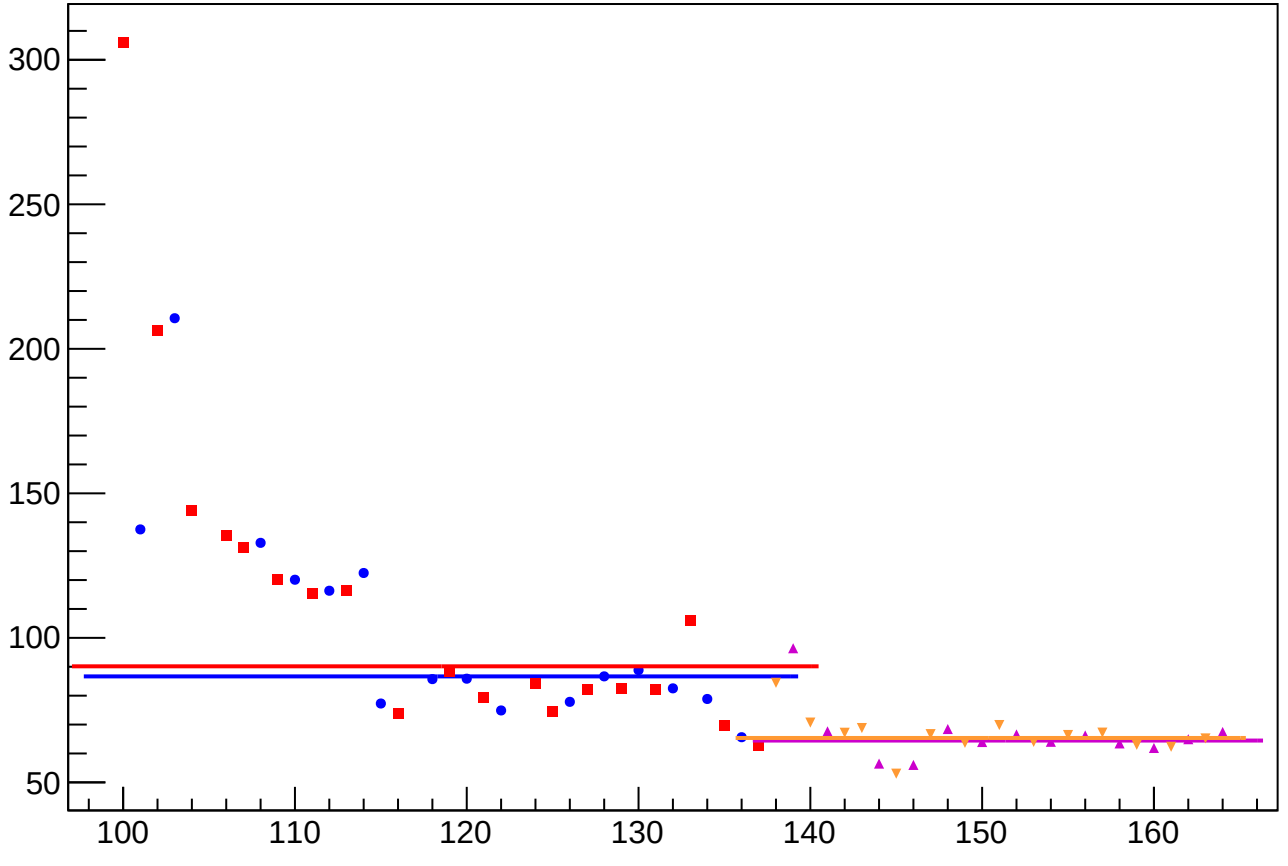
In: 0.000+/-0.000 χ^2/NDF:7948761.4/28

Out: 0.000+/-0.000 χ^2/NDF:7237719.3/32

All: 0.000+/-0.000 χ^2/NDF: 15223767.1/61


reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
160
Right In: 33.431+/-33.881 χ²/NDF: 12.8/15
Left Out: 46.604+/-19.770 χ²/NDF:47.4/13
Right Out: 51.335+/-34.851 χ²/NDF: 19.6/18
Left In: 86.348+/-19.741 χ²/NDF:15.4/12
Left: 66.504+/-13.969 χ²/NDF: 64.9/26
Right: 42.130+/-24.293 χ²/NDF: 32.5/34
In: 72.935+/-17.057 χ²/NDF:30.1/28
Out: 47.756+/-17.196 χ²/NDF:67.0/32
All: 60.447+/-12.110 χ²/NDF: 98.1/61

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.362+/-0.014 χ^2/NDF:190215.9/13

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.470+/-0.014 χ^2/NDF:276135.9/12

Left: 64.915+/-0.010 χ^2/NDF: 468391.7/26

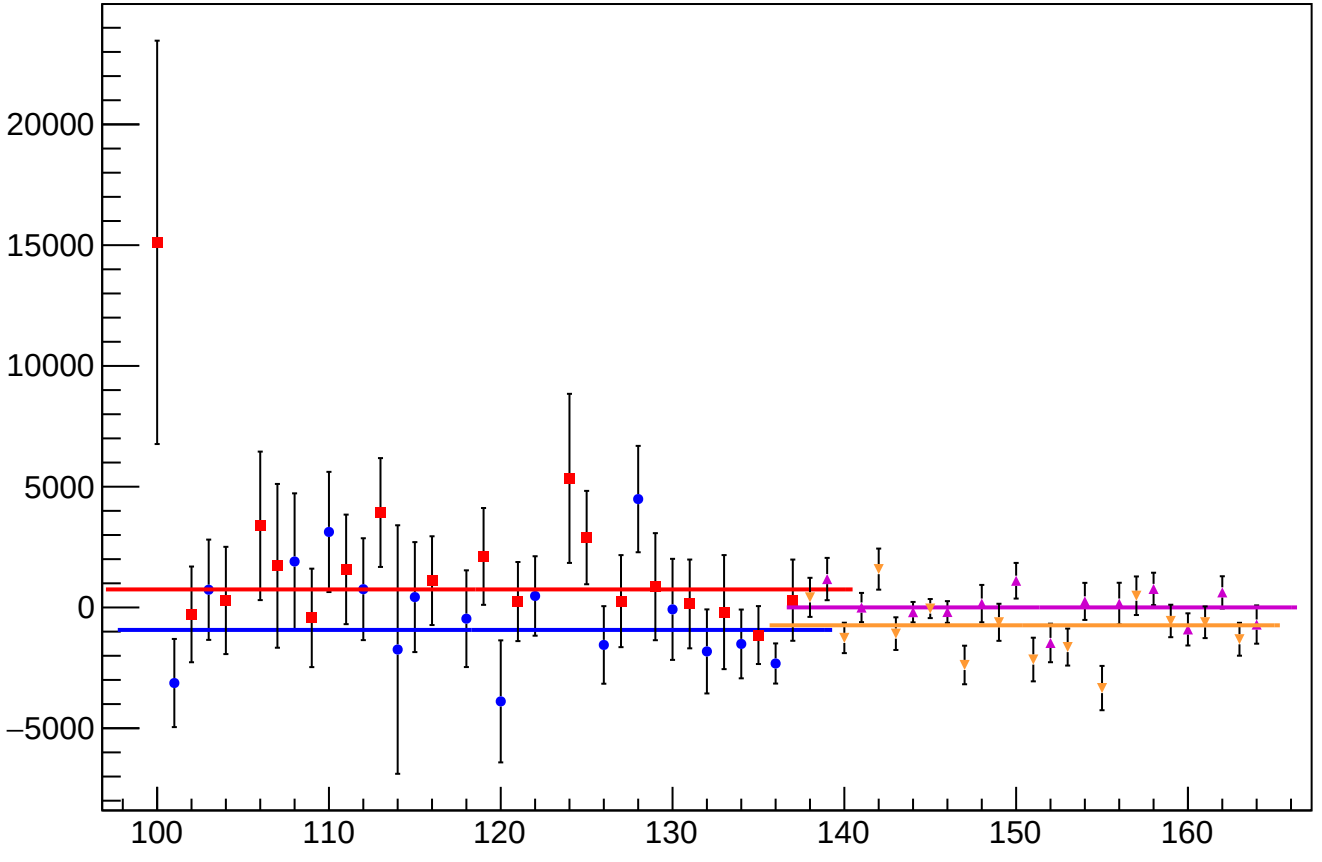
Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 70.095+/-0.012 χ^2/NDF:1955793.7/28

Out: 71.397+/-0.012 χ^2/NDF:2105841.6/32

All: 70.741+/-0.009 χ^2/NDF: 4067412.1/61

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -738.340+/-183.547 χ^2/NDF:32.9/13

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 2.746+/-179.538 χ^2/NDF:12.9/12

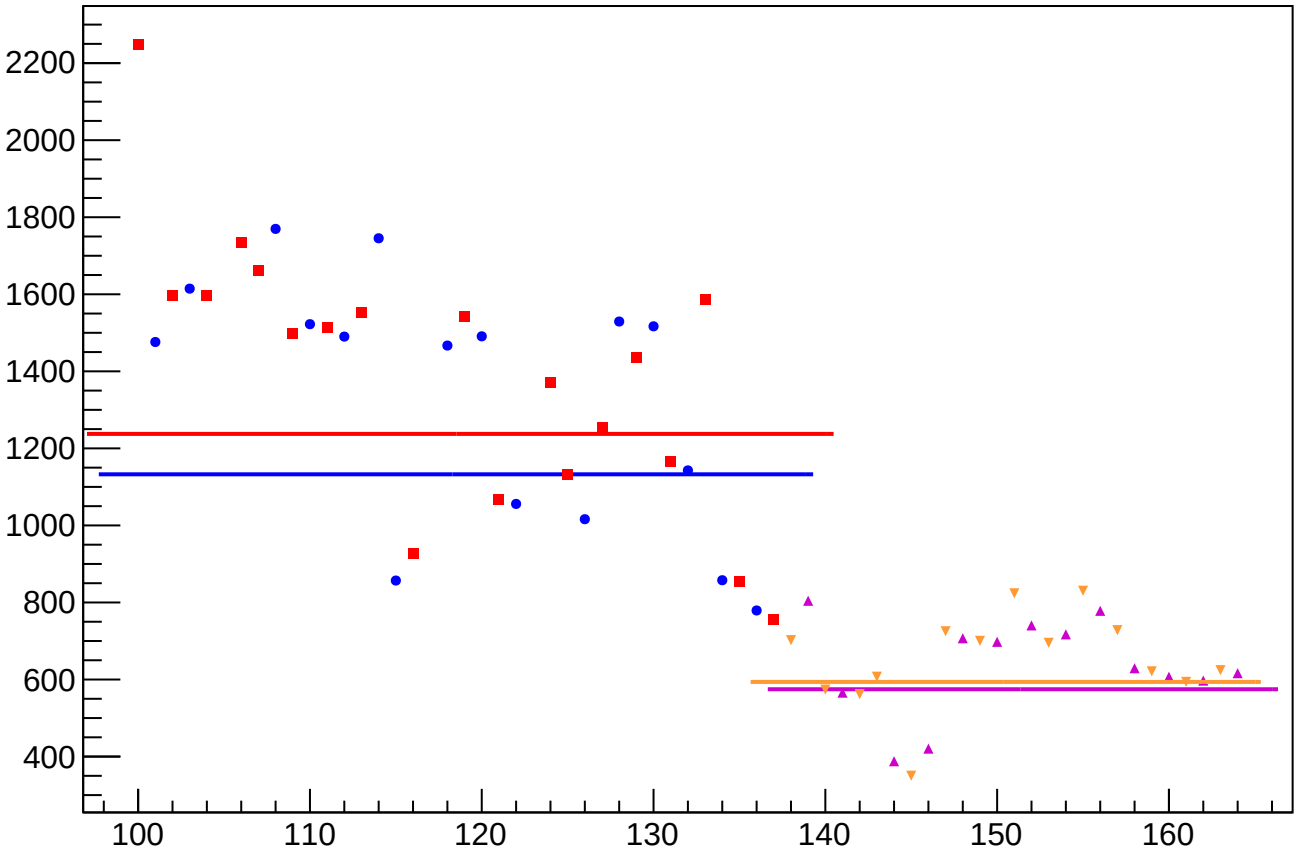
Left: -359.615+/-128.346 χ^2/NDF: 54.0/26

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -129.900+/-166.280 χ^2/NDF:35.2/28

Out: -540.230+/-170.870 χ^2/NDF:54.6/32

All: -329.479+/-119.167 χ^2/NDF: 92.8/61



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 593.800+/-0.130 χ^2/NDF:1256245.3/13

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 574.767+/-0.127 χ^2/NDF:1171257.8/12

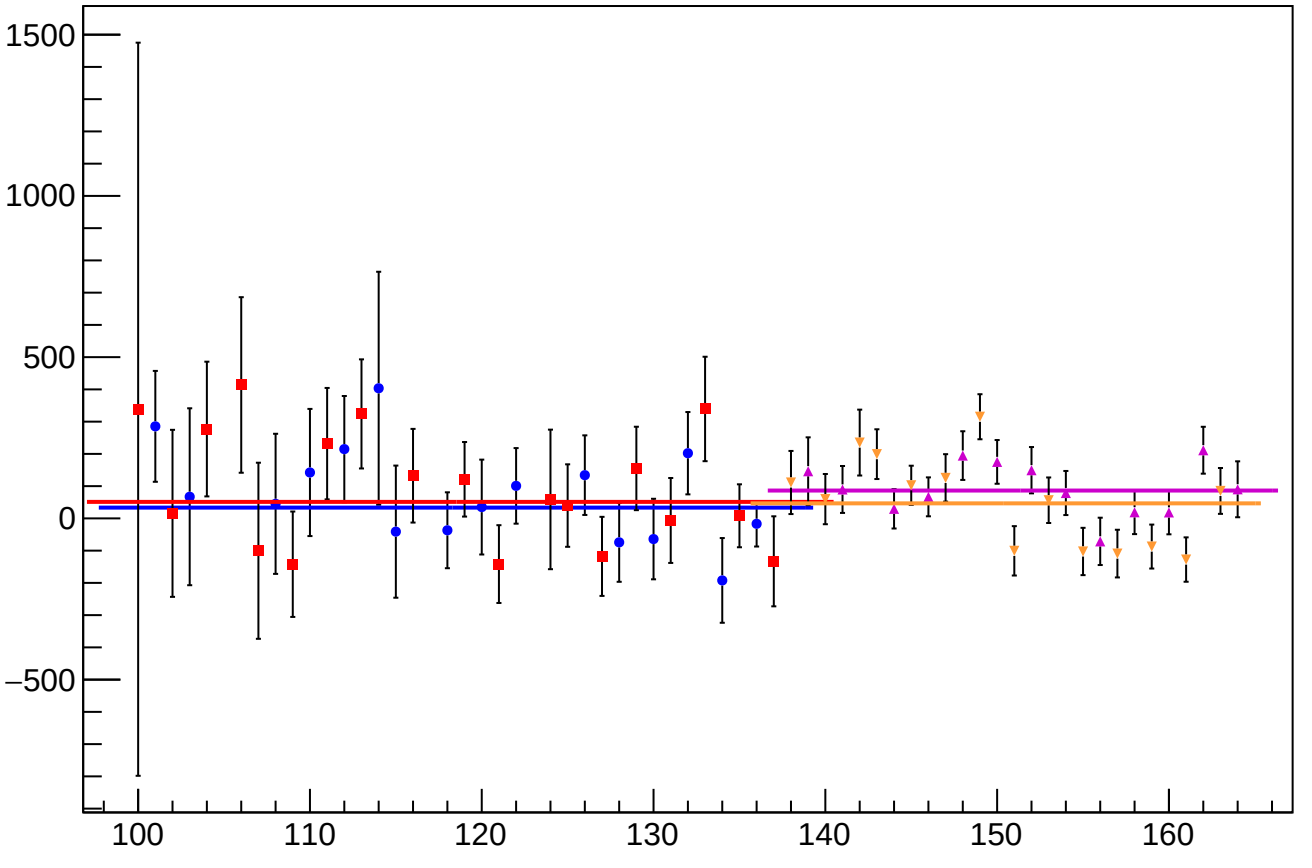
Left: 584.073+/-0.091 χ^2/NDF: 2438493.7/26

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 654.124+/-0.118 χ^2/NDF:5042521.9/28

Out: 679.656+/-0.121 χ^2/NDF:5432878.6/32

All: 666.542+/-0.084 χ^2/NDF: 10498334.9/61



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 46.607+/-19.770 χ^2/NDF:47.4/13

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 86.347+/-19.741 χ^2/NDF:15.4/12

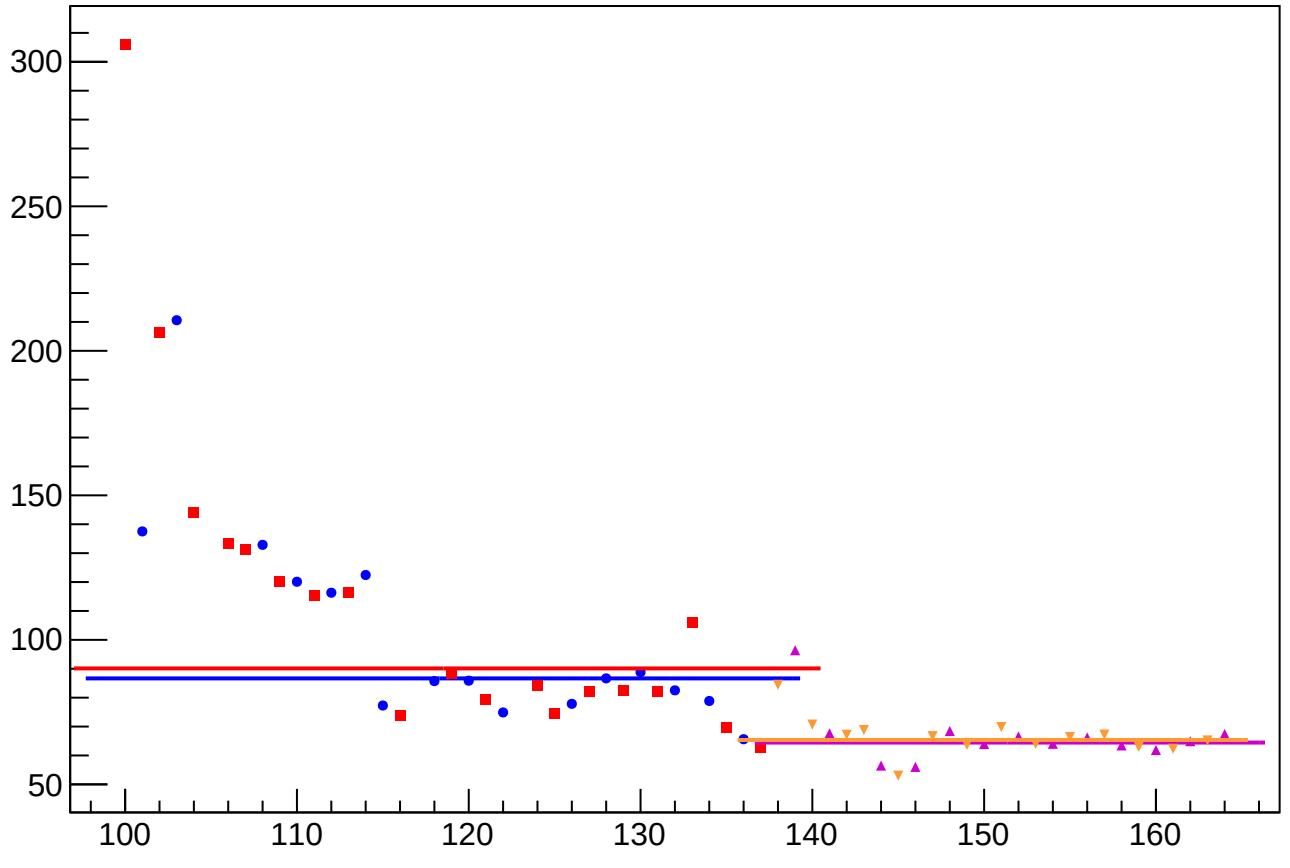
Left: 66.506+/-13.969 χ^2/NDF: 64.9/26

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 72.933+/-17.057 χ^2/NDF:30.1/28

Out: 47.722+/-17.196 χ^2/NDF:67.0/32

All: 60.430+/-12.110 χ^2/NDF: 98.1/61



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.362+/-0.014 χ^2/NDF:190215.9/13

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.470+/-0.014 χ^2/NDF:276135.9/12

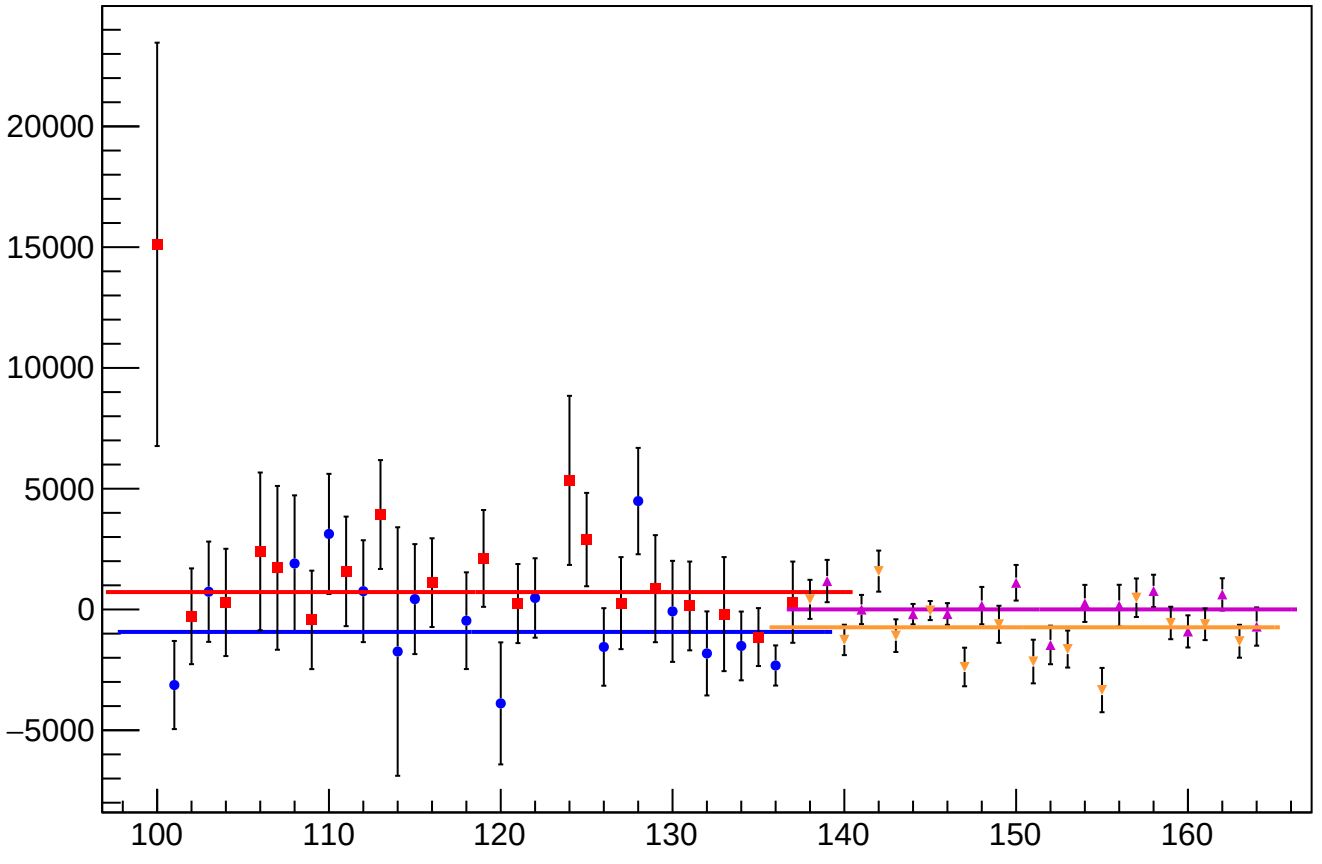
Left: 64.915+/-0.010 χ^2/NDF: 468391.7/26

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 70.095+/-0.012 χ^2/NDF:1955796.1/28

Out: 71.388+/-0.012 χ^2/NDF:2098788.5/32

All: 70.736+/-0.009 χ^2/NDF: 4060276.7/61



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -738.335+/-183.547 χ^2/NDF:32.9/13

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 2.747+/-179.538 χ^2/NDF:12.9/12

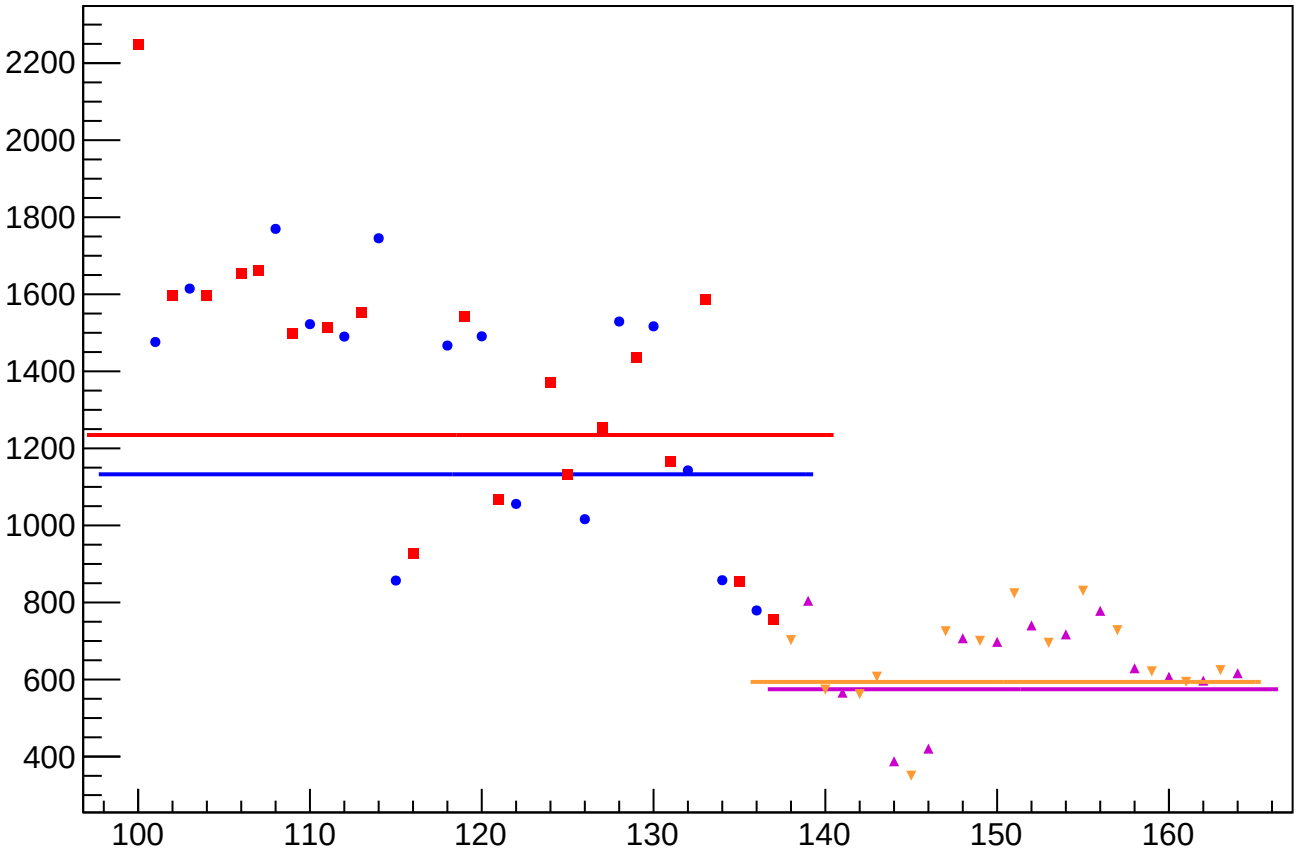
Left: -359.613+/-128.346 χ^2/NDF: 54.0/26

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -129.894+/-166.280 χ^2/NDF:35.2/28

Out: -544.231+/-170.901 χ^2/NDF:53.8/32

All: -331.385+/-119.178 χ^2/NDF: 92.0/61



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 593.800+/-0.130 χ^2/NDF:1256248.3/13

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 574.767+/-0.127 χ^2/NDF:1171258.5/12

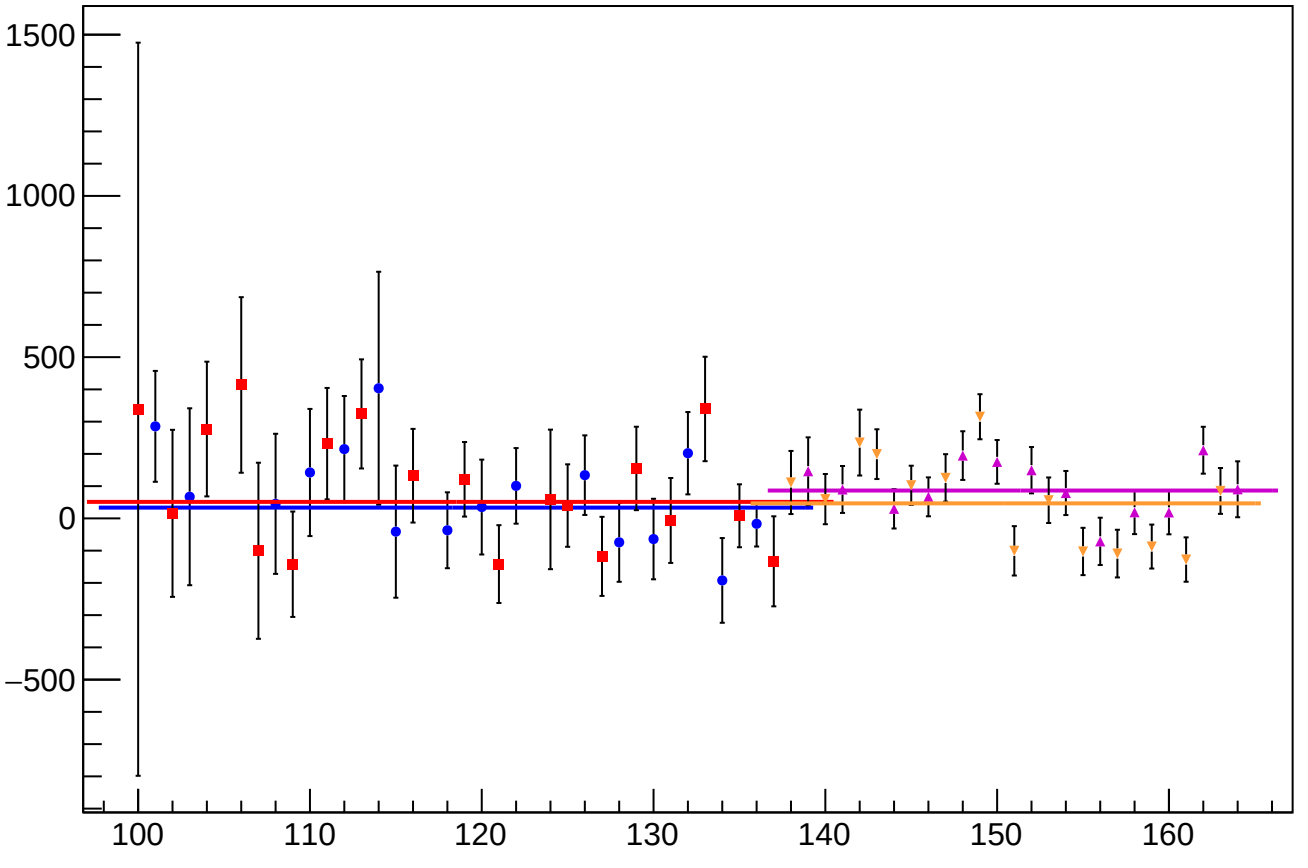
Left: 584.073+/-0.091 χ^2/NDF: 2438497.0/26

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 654.124+/-0.118 χ^2/NDF:5042558.2/28

Out: 679.069+/-0.121 χ^2/NDF:5376859.6/32

All: 666.255+/-0.084 χ^2/NDF: 10441307.4/61



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 46.607+/-19.770 χ^2/NDF:47.4/13

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 86.347+/-19.741 χ^2/NDF:15.4/12

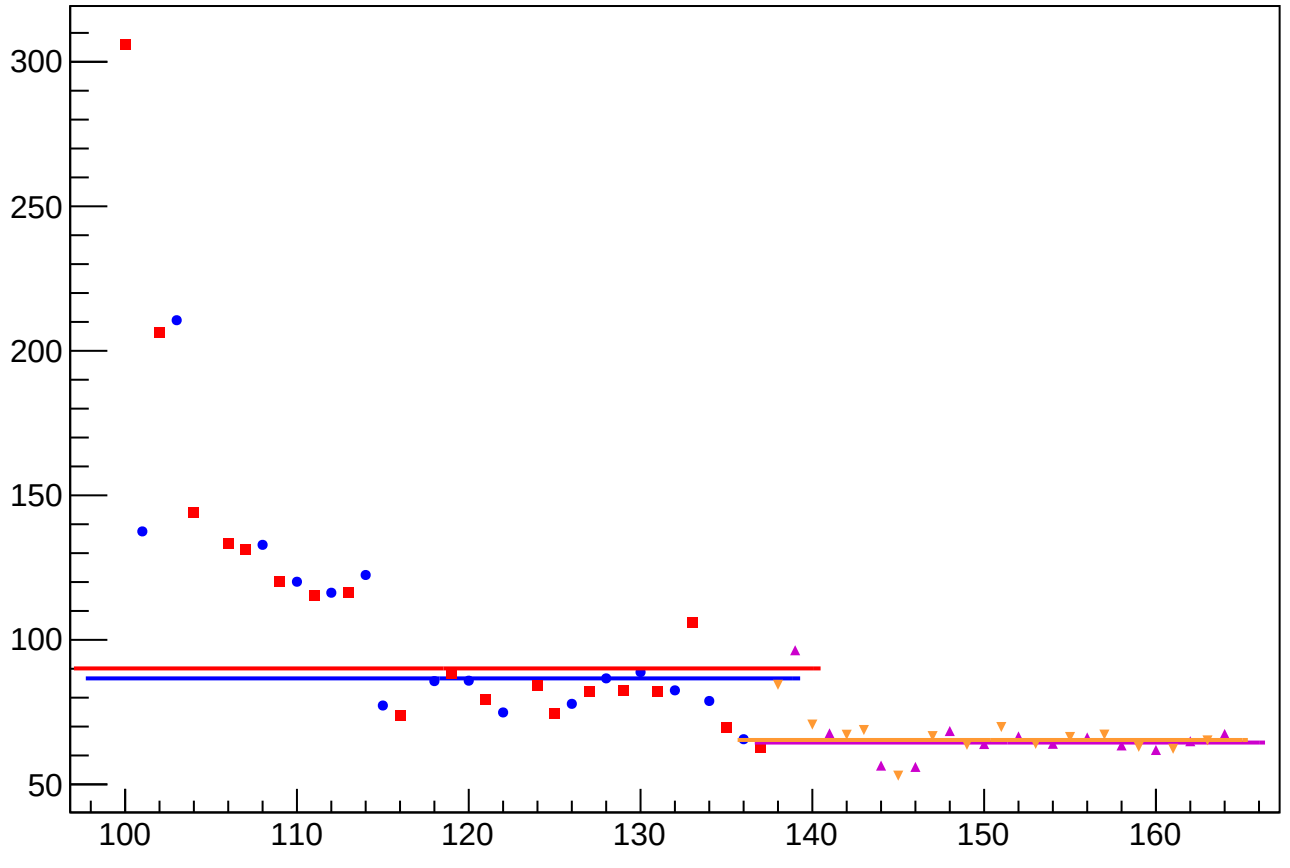
Left: 66.506+/-13.969 χ^2/NDF: 64.9/26

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 72.933+/-17.057 χ^2/NDF:30.1/28

Out: 47.722+/-17.196 χ^2/NDF:67.0/32

All: 60.430+/-12.110 χ^2/NDF: 98.1/61



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.362+/-0.014 χ^2/NDF:190215.9/13

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.470+/-0.014 χ^2/NDF:276135.9/12

Left: 64.915+/-0.010 χ^2/NDF: 468391.7/26

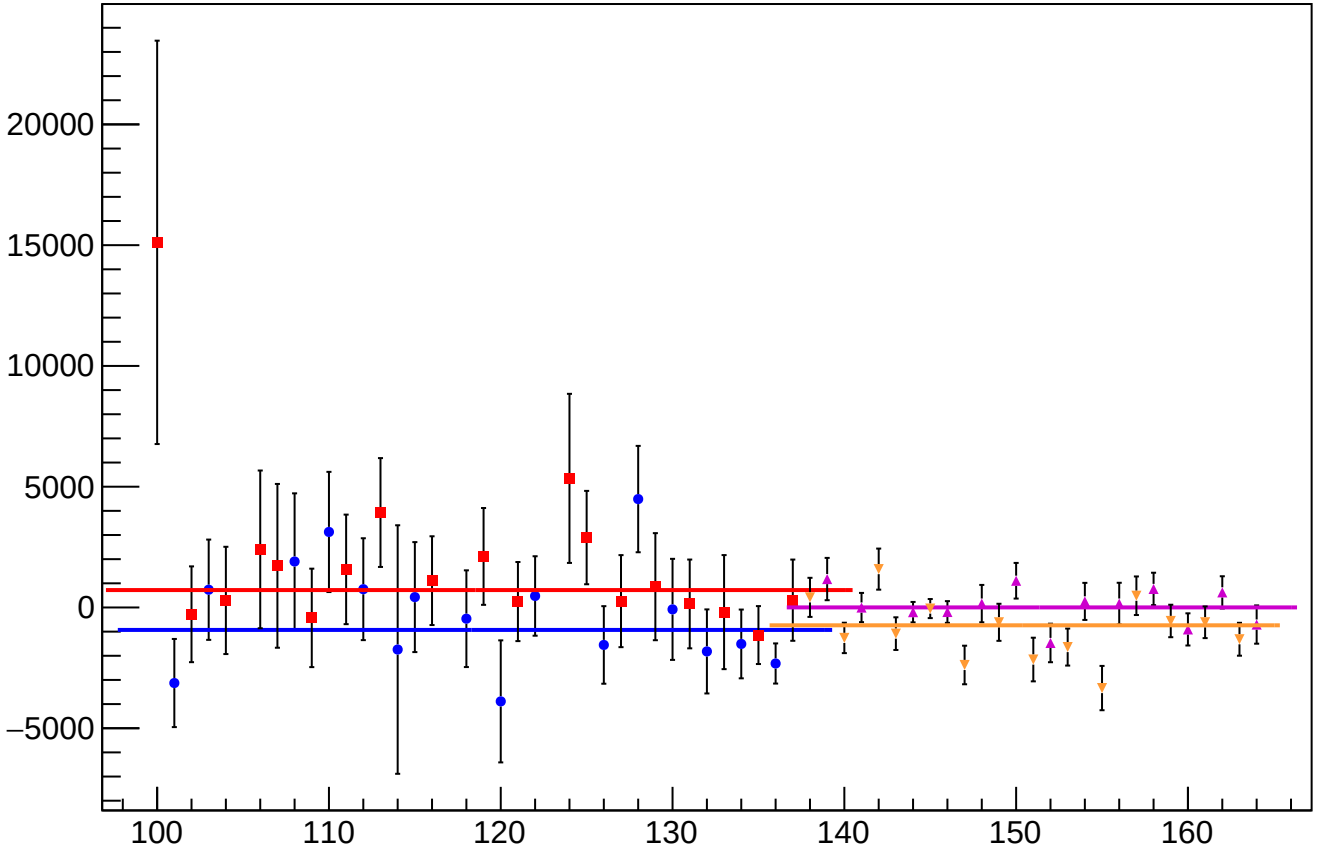
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 70.095+/-0.012 χ^2/NDF:1955796.1/28

Out: 71.388+/-0.012 χ^2/NDF:2098788.5/32

All: 70.736+/-0.009 χ^2/NDF: 4060276.7/61

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: -738.335+/-183.547 χ^2/NDF:32.9/13

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 2.747+/-179.538 χ^2/NDF:12.9/12

Left: -359.613+/-128.346 χ^2/NDF: 54.0/26

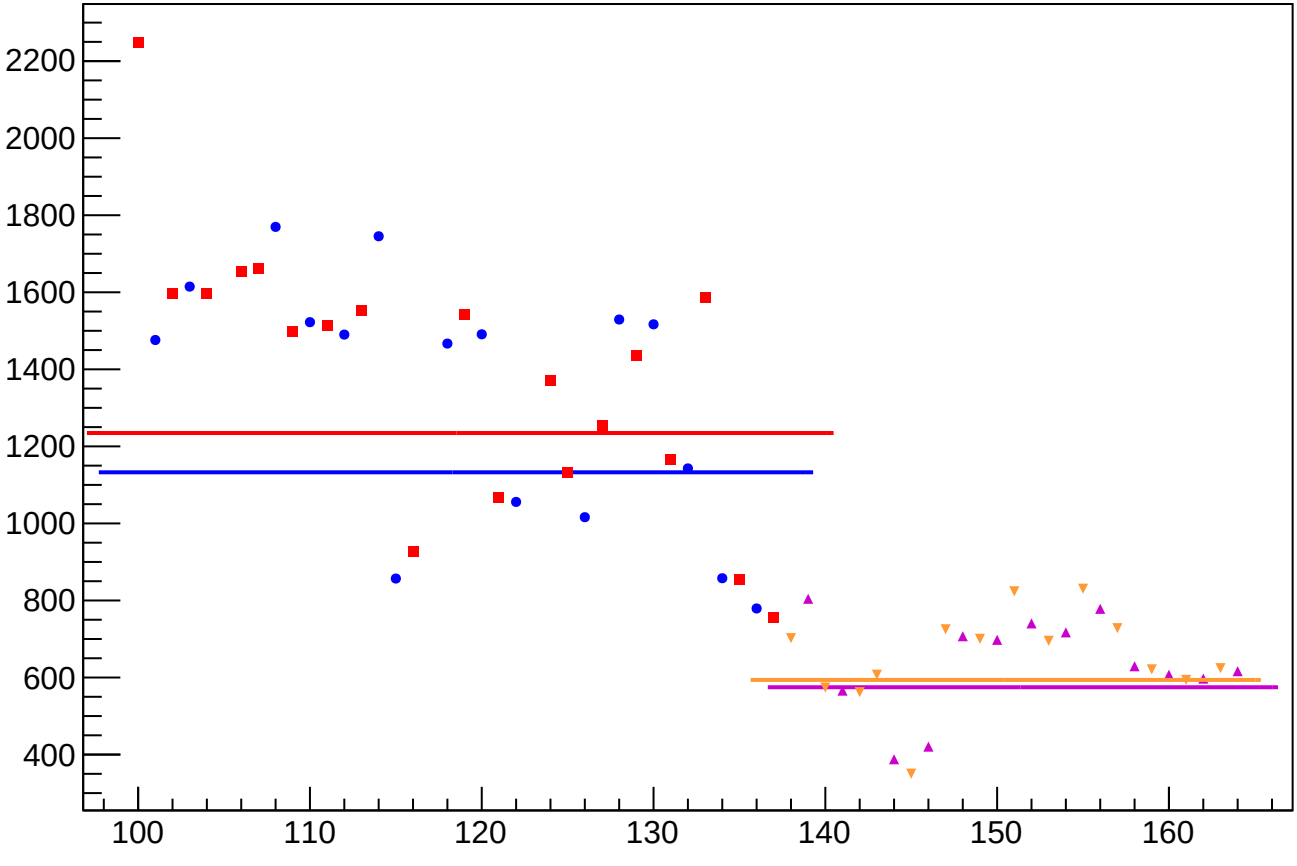
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -129.894+/-166.280 χ^2/NDF:35.2/28

Out: -544.231+/-170.901 χ^2/NDF:53.8/32

All: -331.385+/-119.178 χ^2/NDF: 92.0/61

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 593.800+/-0.130 χ^2/NDF:1256248.3/13

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 574.767+/-0.127 χ^2/NDF:1171258.5/12

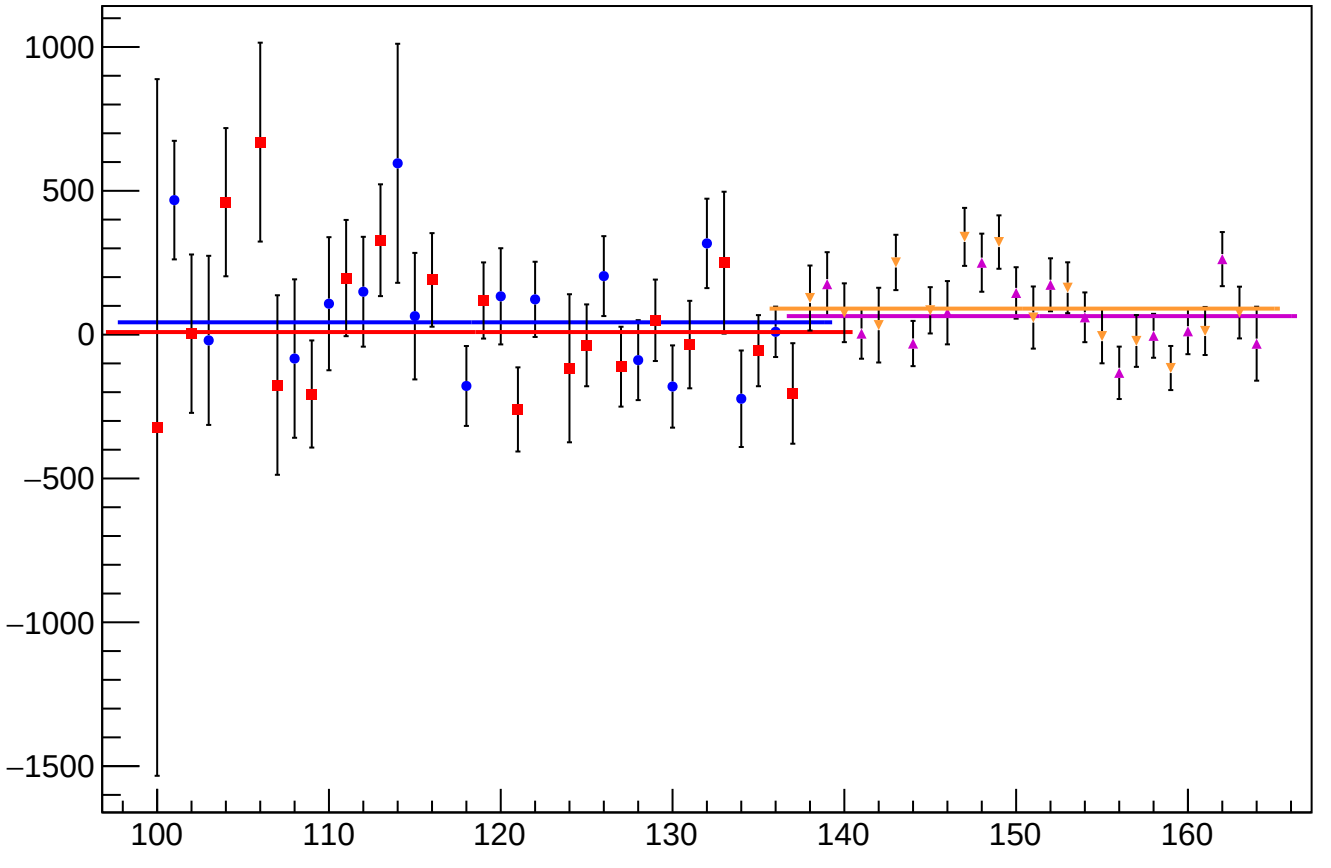
Left: 584.073+/-0.091 χ^2/NDF: 2438497.0/26

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 654.124+/-0.118 χ^2/NDF:5042558.2/28

Out: 679.069+/-0.121 χ^2/NDF:5376859.6/32

All: 666.255+/-0.084 χ^2/NDF: 10441307.4/61



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 90.514+/-25.031 χ^2/NDF:26.9/13

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 64.424+/-25.366 χ^2/NDF:19.5/12

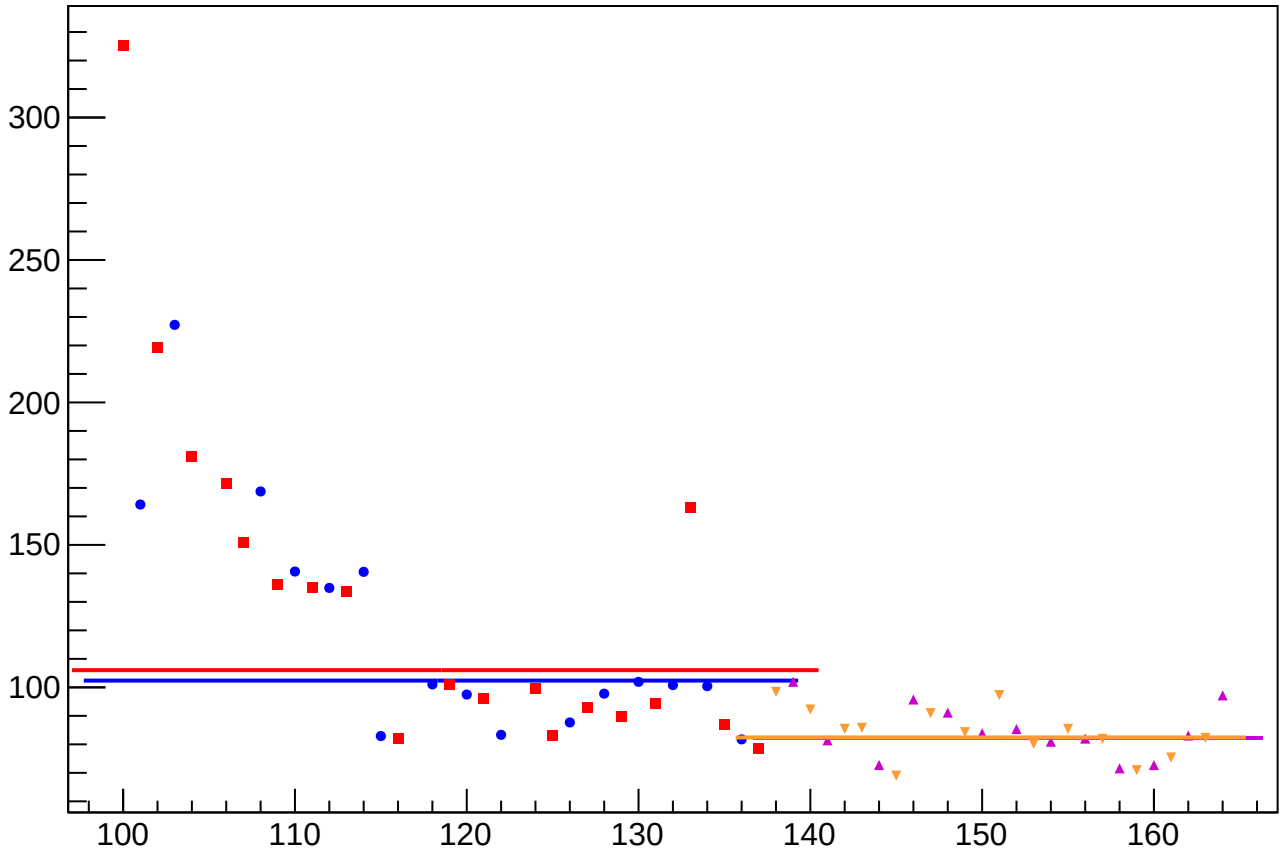
Left: 77.642+/-17.817 χ^2/NDF: 46.9/26

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 58.244+/-21.414 χ^2/NDF:40.0/28

Out: 68.425+/-21.373 χ^2/NDF:51.1/32

All: 63.344+/-15.127 χ^2/NDF: 91.2/61



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 82.420+/-0.018 χ^2/NDF:232814.4/13

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 82.237+/-0.018 χ^2/NDF:235831.9/12

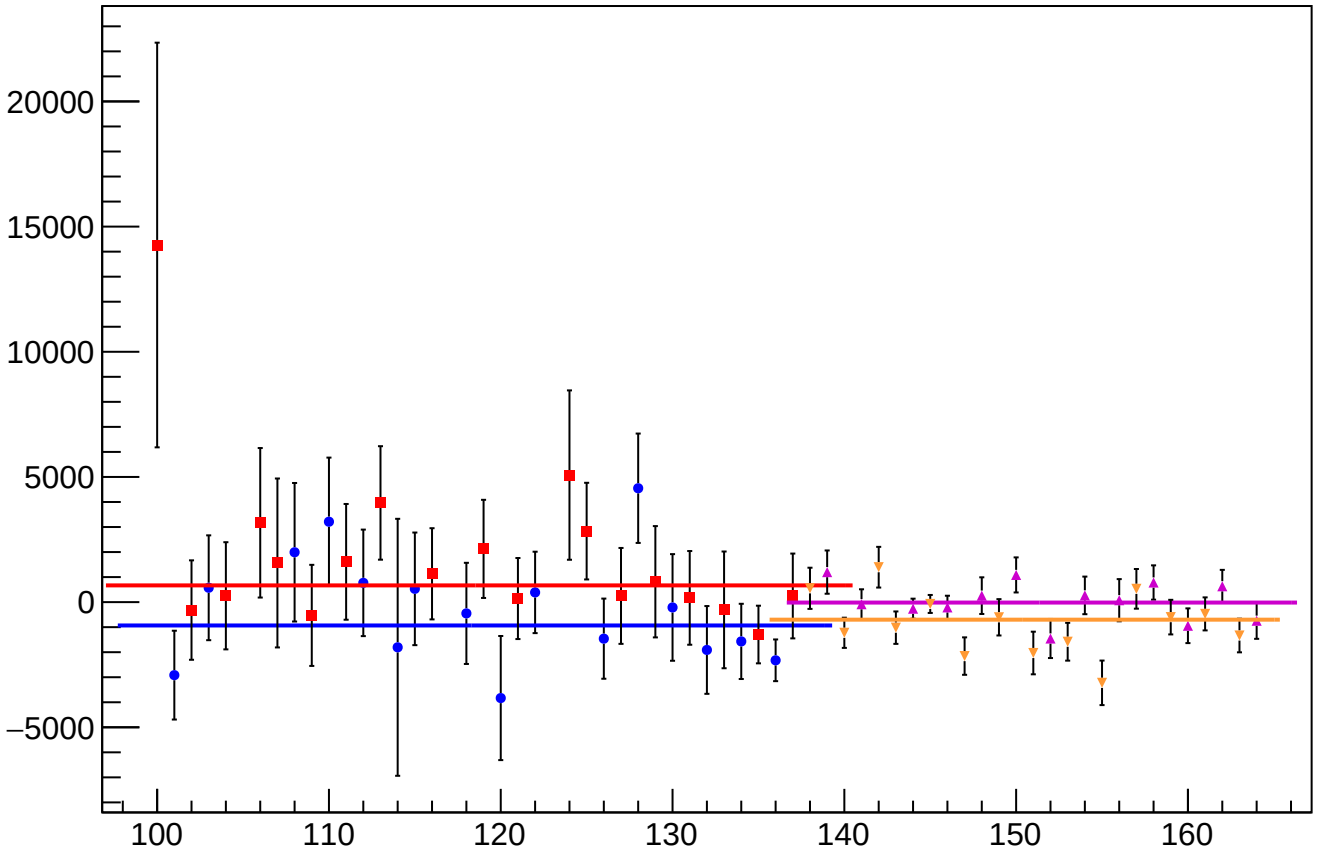
Left: 82.330+/-0.013 χ^2/NDF: 468698.8/26

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 88.025+/-0.015 χ^2/NDF:1580456.5/28

Out: 88.818+/-0.015 χ^2/NDF:1906319.9/32

All: 88.422+/-0.011 χ^2/NDF: 3488150.4/61



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -700.916+/-176.328 χ^2/NDF:32.1/13

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: -17.629+/-176.193 χ^2/NDF:13.9/12

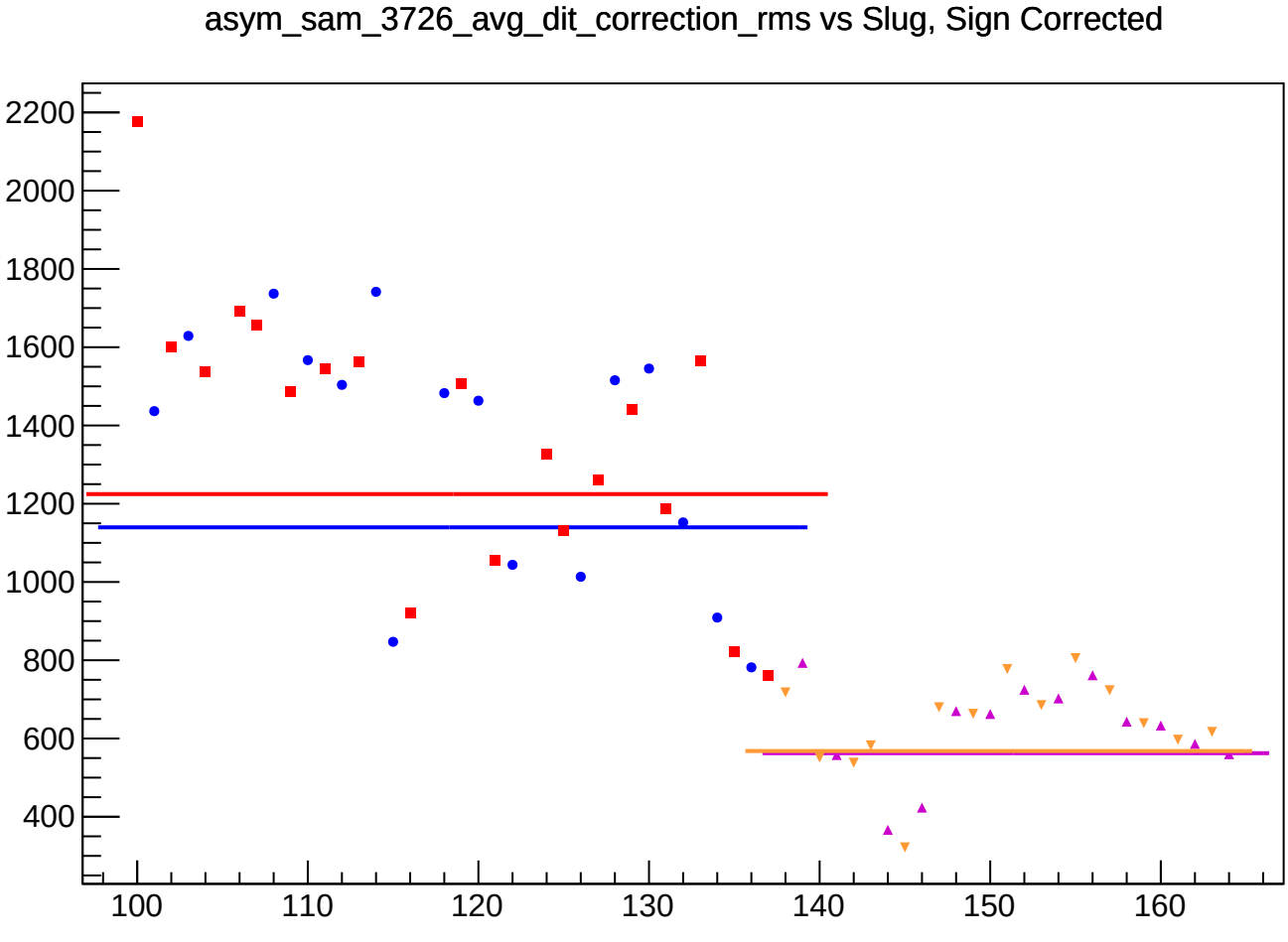
Left: -359.010+/-124.635 χ^2/NDF: 53.5/26

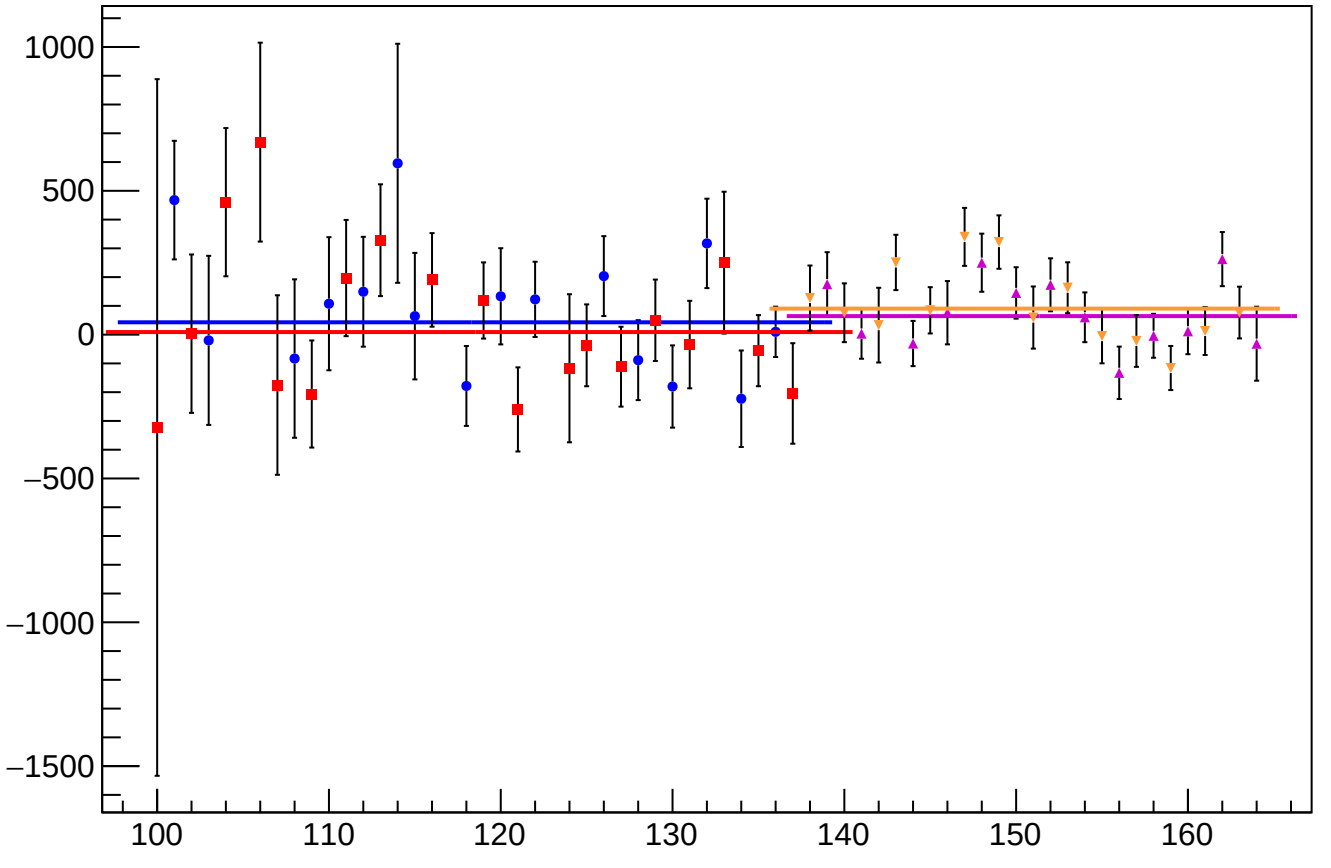
Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -142.701+/-163.705 χ^2/NDF:36.0/28

Out: -527.593+/-164.792 χ^2/NDF:53.2/32

All: -333.873+/-116.139 χ^2/NDF: 92.0/61


asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
110
120
130
140
150
160
Right In: 1139.658+/-0.313 χ²/NDF: 1093410.3/15
Left Out: 567.999+/-0.125 χ²/NDF:1515298.6/13
Right Out: 1224.637+/-0.328 χ²/NDF: 922388.4/18
Left In: 562.452+/-0.125 χ²/NDF:1204275.7/12
Left: 565.223+/-0.088 χ²/NDF: 2720564.7/26
Right: 1180.226+/-0.226 χ²/NDF: 2050976.5/34
In: 641.372+/-0.116 χ²/NDF:5232445.1/28
Out: 651.106+/-0.117 χ²/NDF:5948049.5/32
All: 646.207+/-0.082 χ²/NDF: 11184007.1/61



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 90.515+/-25.032 χ^2/NDF:26.9/13

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 64.423+/-25.366 χ^2/NDF:19.5/12

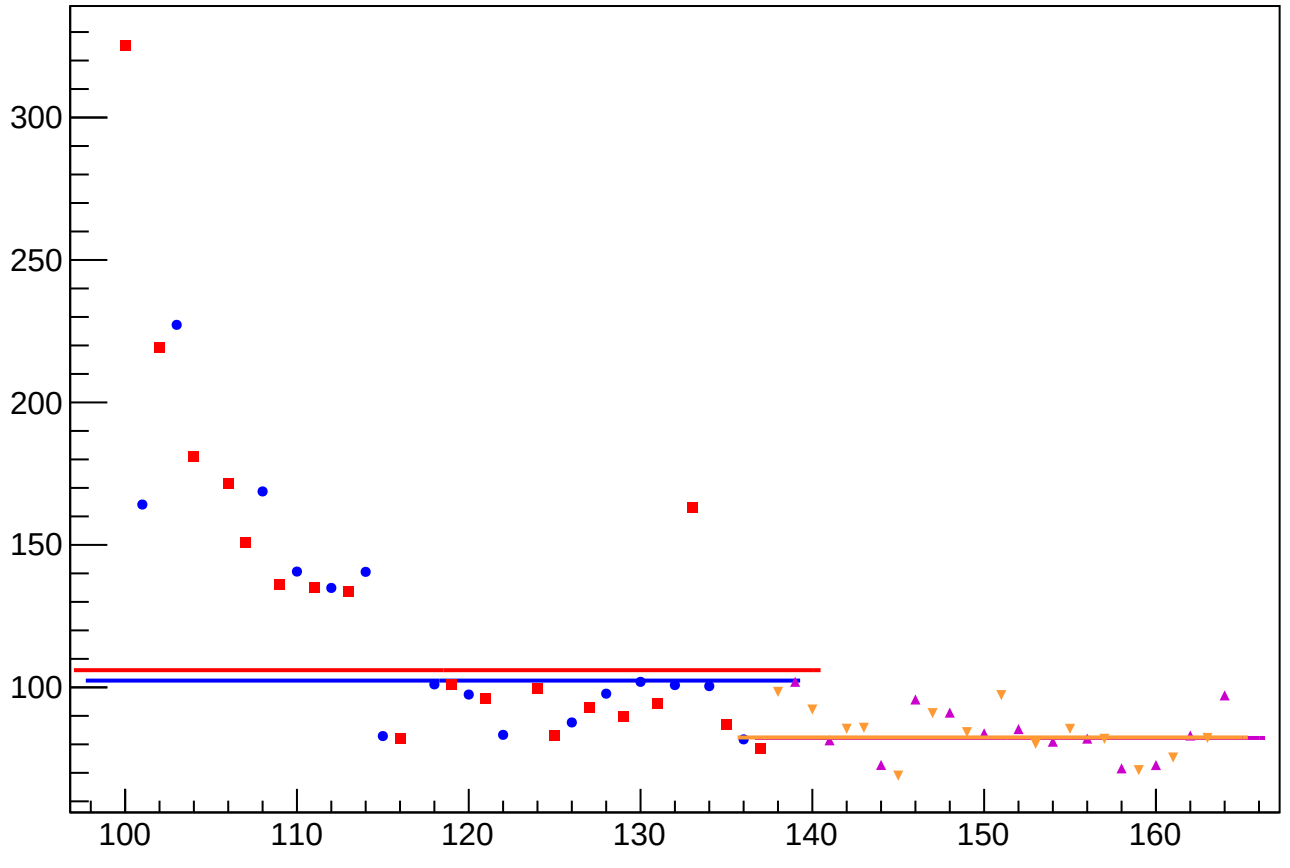
Left: 77.642+/-17.817 χ^2/NDF: 46.9/26

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 58.242+/-21.414 χ^2/NDF:40.0/28

Out: 68.425+/-21.373 χ^2/NDF:51.1/32

All: 63.343+/-15.127 χ^2/NDF: 91.2/61



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 82.420+/-0.018 χ^2/NDF:232812.7/13

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 82.238+/-0.018 χ^2/NDF:235837.9/12

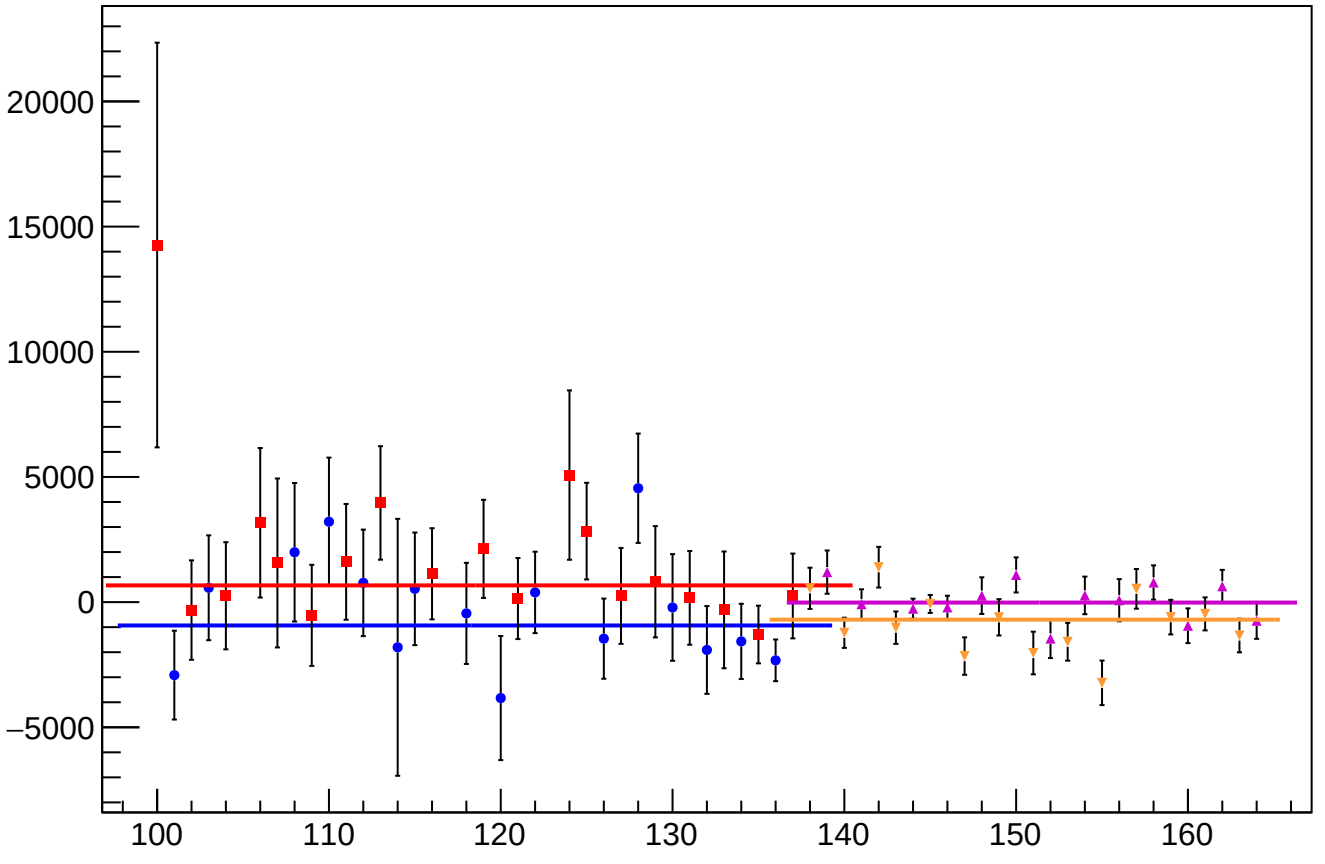
Left: 82.330+/-0.013 χ^2/NDF: 468703.1/26

Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 88.025+/-0.015 χ^2/NDF:1580441.0/28

Out: 88.818+/-0.015 χ^2/NDF:1906304.3/32

All: 88.422+/-0.011 χ^2/NDF: 3488119.6/61



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -700.915+/-176.328 χ^2/NDF:32.1/13

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -17.630+/-176.192 χ^2/NDF:13.9/12

Left: -359.010+/-124.635 χ^2/NDF: 53.5/26

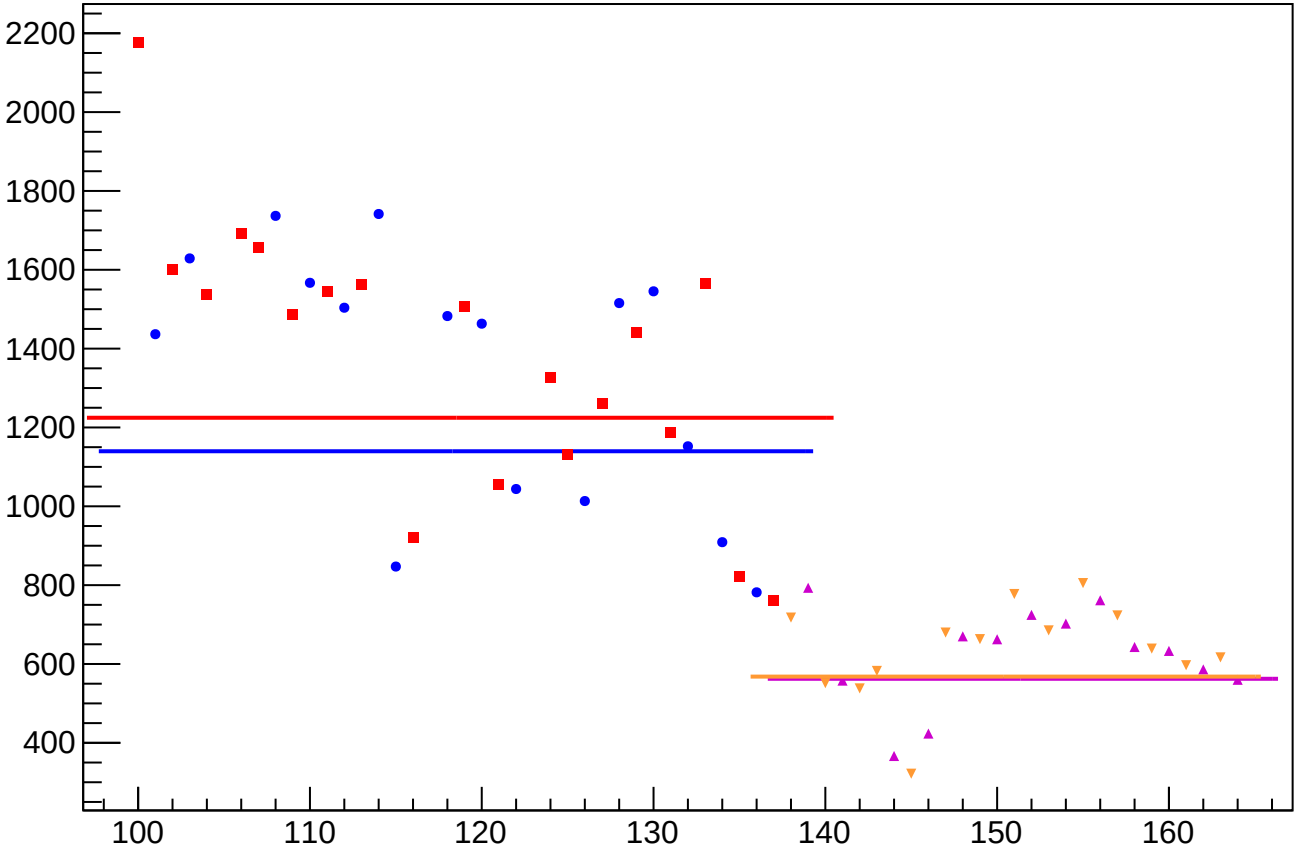
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -142.701+/-163.705 χ^2/NDF:36.0/28

Out: -527.592+/-164.792 χ^2/NDF:53.2/32

All: -333.872+/-116.139 χ^2/NDF: 92.0/61

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 567.998+/-0.125 χ^2/NDF:1515318.6/13

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 562.451+/-0.125 χ^2/NDF:1204281.4/12

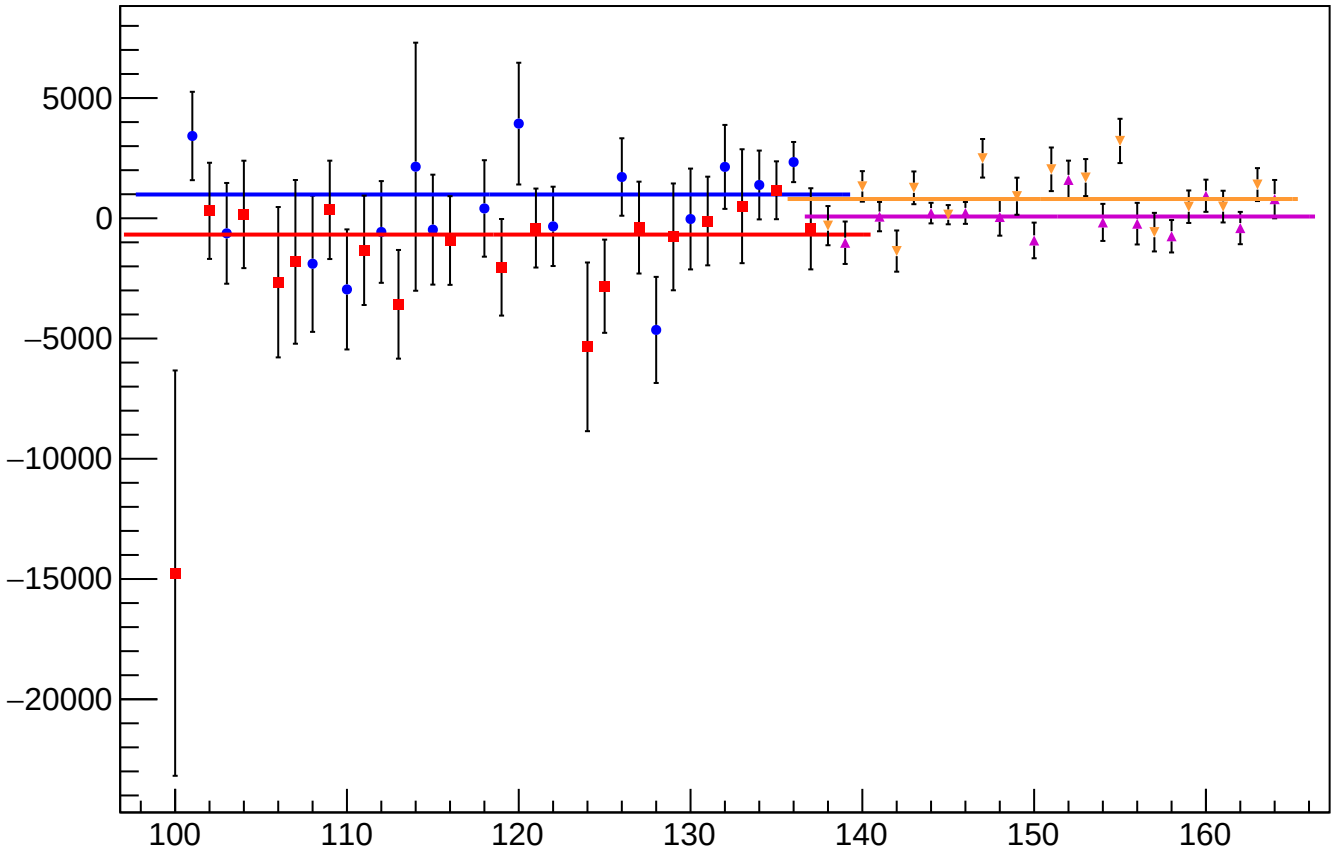
Left: 565.222+/-0.088 χ^2/NDF: 2720590.2/26

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 641.371+/-0.116 χ^2/NDF:5232441.6/28

Out: 651.105+/-0.117 χ^2/NDF:5948065.8/32

All: 646.206+/-0.082 χ^2/NDF: 11184019.6/61



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 801.564+/-184.848 χ^2/NDF:30.8/13

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 73.473+/-180.864 χ^2/NDF:11.8/12

Left: 429.587+/-129.276 χ^2/NDF: 50.6/26

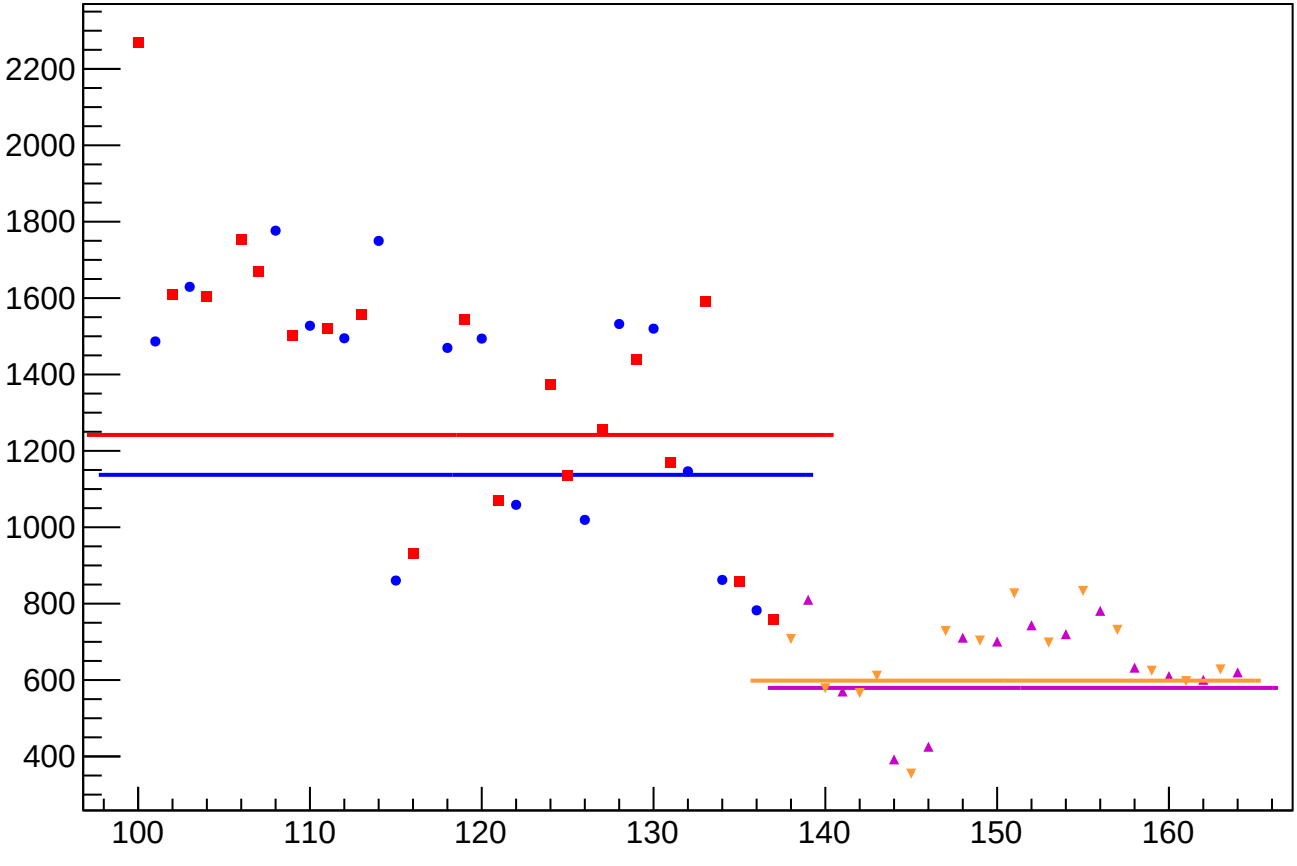
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 204.506+/-167.426 χ^2/NDF:34.6/28

Out: 603.158+/-172.005 χ^2/NDF:51.3/32

All: 398.456+/-119.974 χ^2/NDF: 88.6/61

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 598.435+/-0.131 χ^2/NDF:1225351.8/13

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 579.396+/-0.128 χ^2/NDF:1144764.4/12

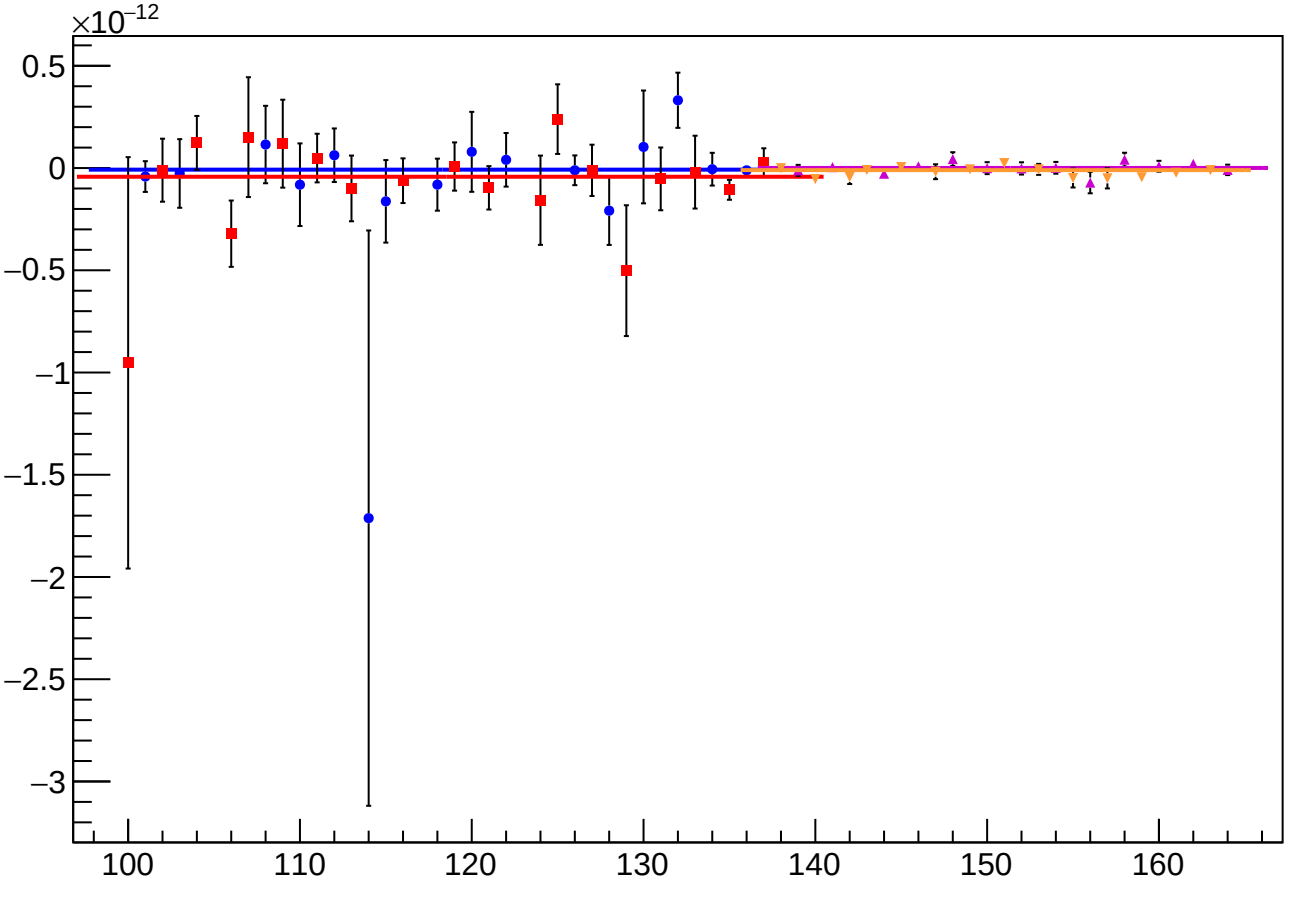
Left: 588.709+/-0.091 χ^2/NDF: 2380956.0/26

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 659.206+/-0.118 χ^2/NDF:4990381.4/28

Out: 684.718+/-0.122 χ^2/NDF:5373560.3/32

All: 671.618+/-0.085 χ^2/NDF: 10386535.5/61



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/12

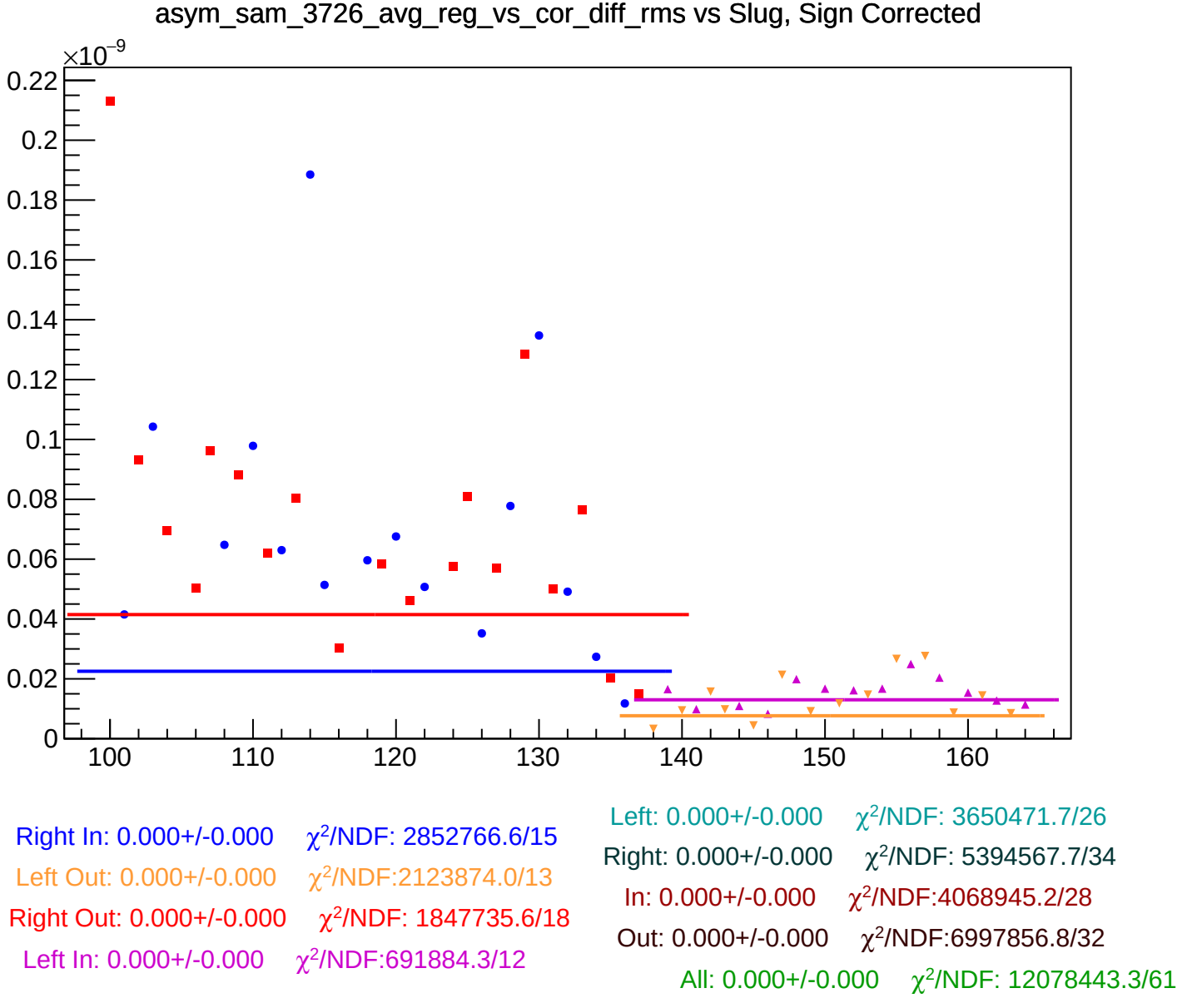
Left: -0.000+/-0.000 χ^2/NDF: 28.9/26

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

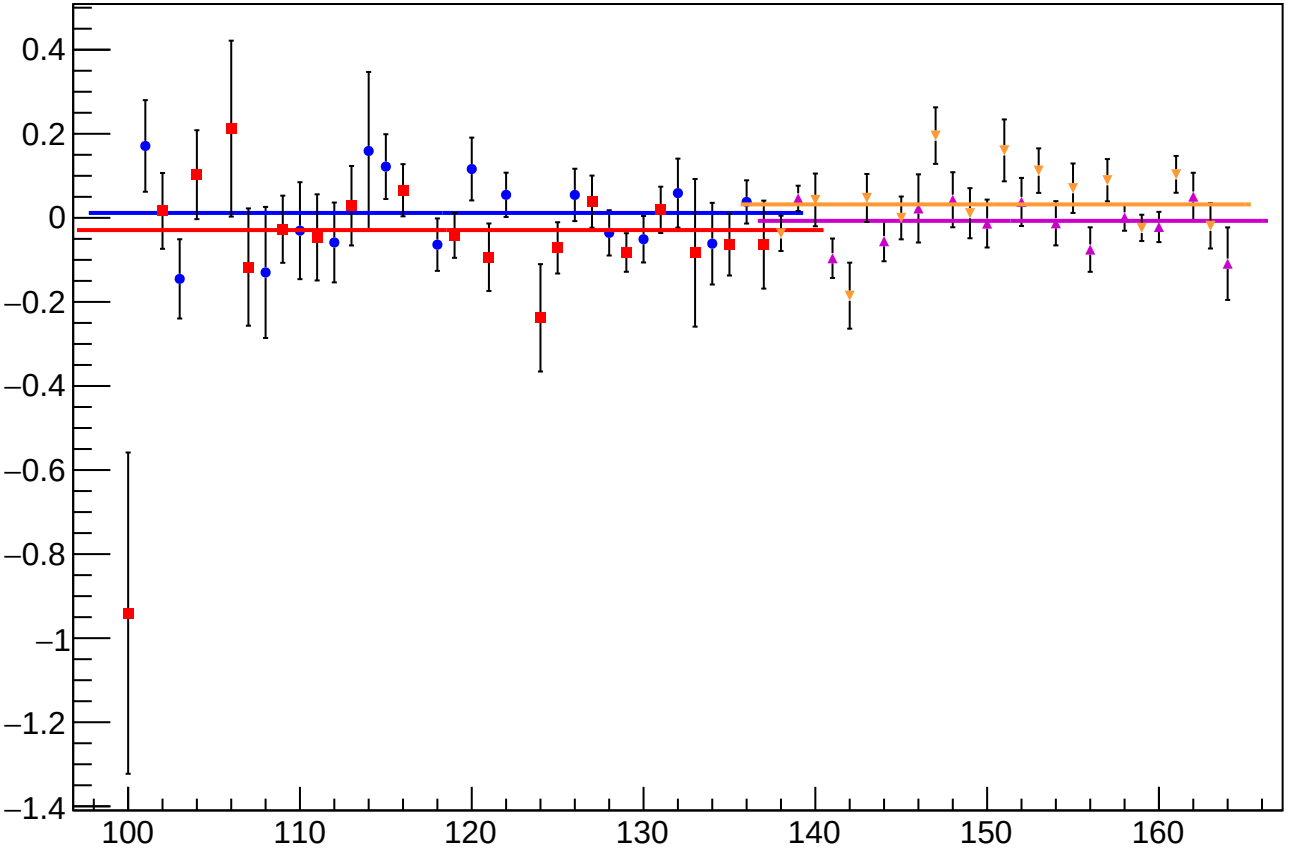
In: -0.000+/-0.000 χ^2/NDF:21.1/28

Out: -0.000+/-0.000 χ^2/NDF:34.9/32

All: -0.000+/-0.000 χ^2/NDF: 57.9/61


asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2123874.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:691884.3/12
Left: 0.000+/-0.000 χ²/NDF: 3650471.7/26
Right: 0.000+/-0.000 χ²/NDF: 5394567.7/34
In: 0.000+/-0.000 χ²/NDF:4068945.2/28
Out: 0.000+/-0.000 χ²/NDF:6997856.8/32
All: 0.000+/-0.000 χ²/NDF: 12078443.3/61

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.032+/-0.014 χ^2/NDF:30.7/13

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.007+/-0.013 χ^2/NDF:13.5/12

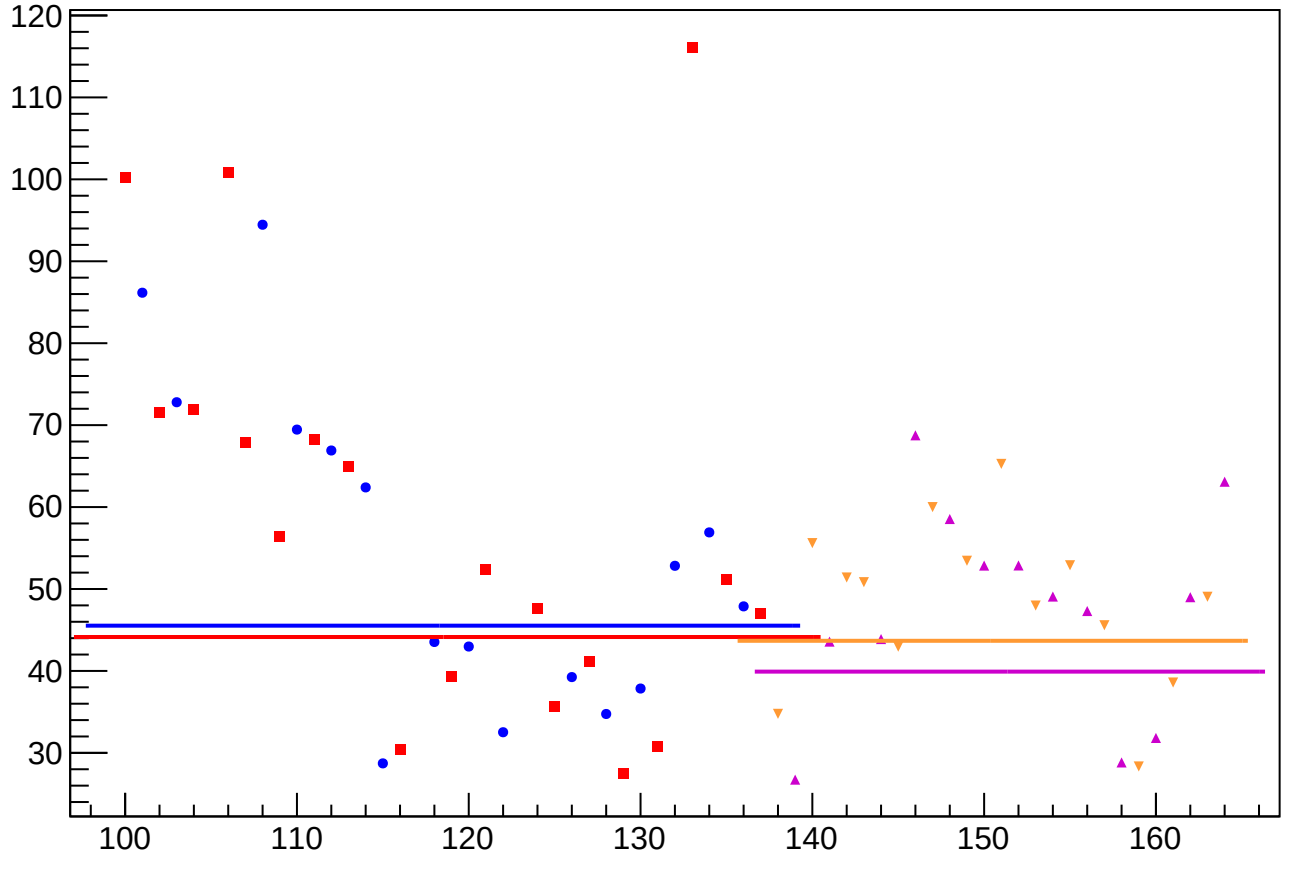
Left: 0.011+/-0.009 χ^2/NDF: 48.5/26

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:31.0/28

Out: 0.009+/-0.011 χ^2/NDF:57.6/32

All: 0.004+/-0.008 χ^2/NDF: 89.1/61



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.679+/-0.010 χ^2/NDF:1148950.6/13

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.916+/-0.009 χ^2/NDF:1674564.1/12

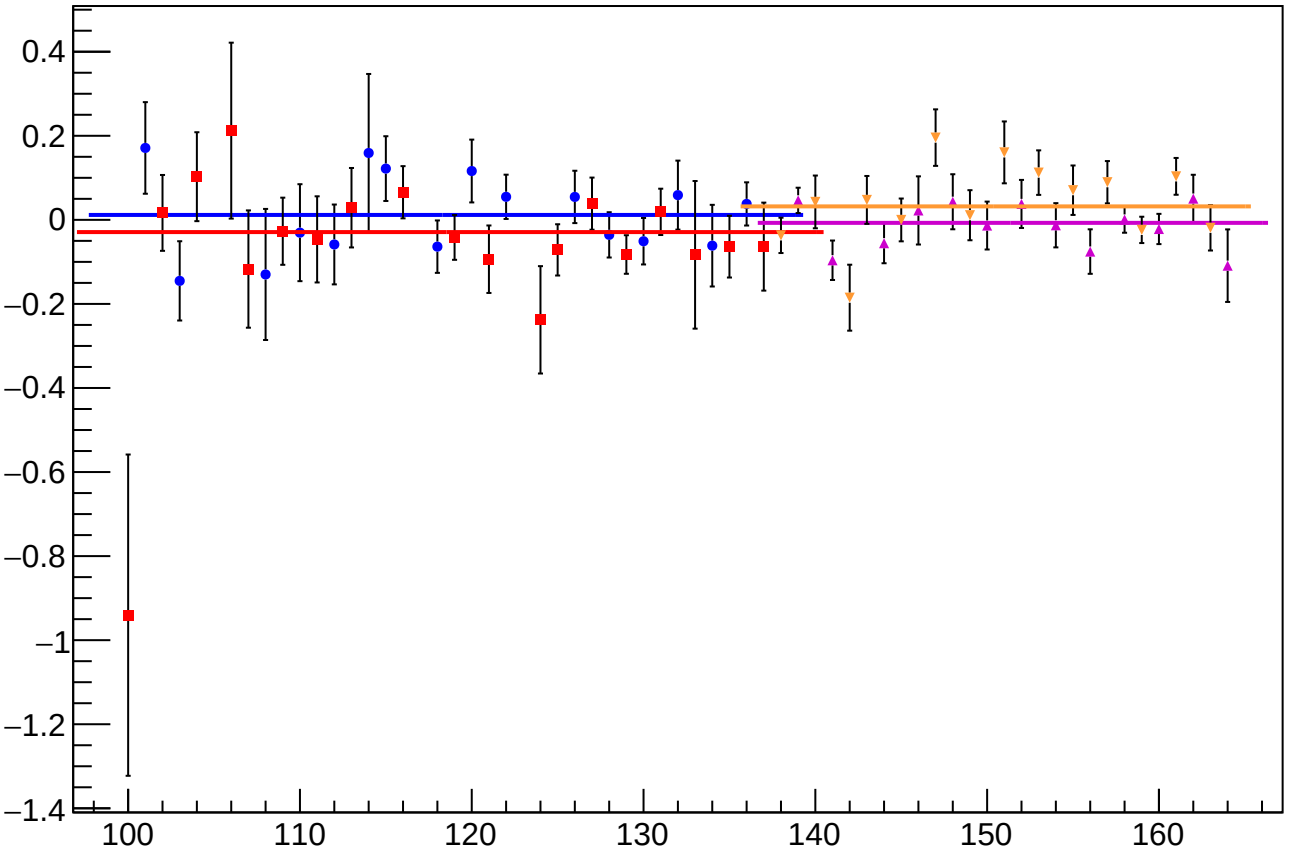
Left: 41.688+/-0.007 χ^2/NDF: 2902719.8/26

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.790+/-0.007 χ^2/NDF:3053382.7/28

Out: 43.850+/-0.008 χ^2/NDF:2893221.5/32

All: 42.790+/-0.005 χ^2/NDF: 5983373.7/61



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.032+/-0.014 χ^2/NDF:30.7/13

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.007+/-0.013 χ^2/NDF:13.5/12

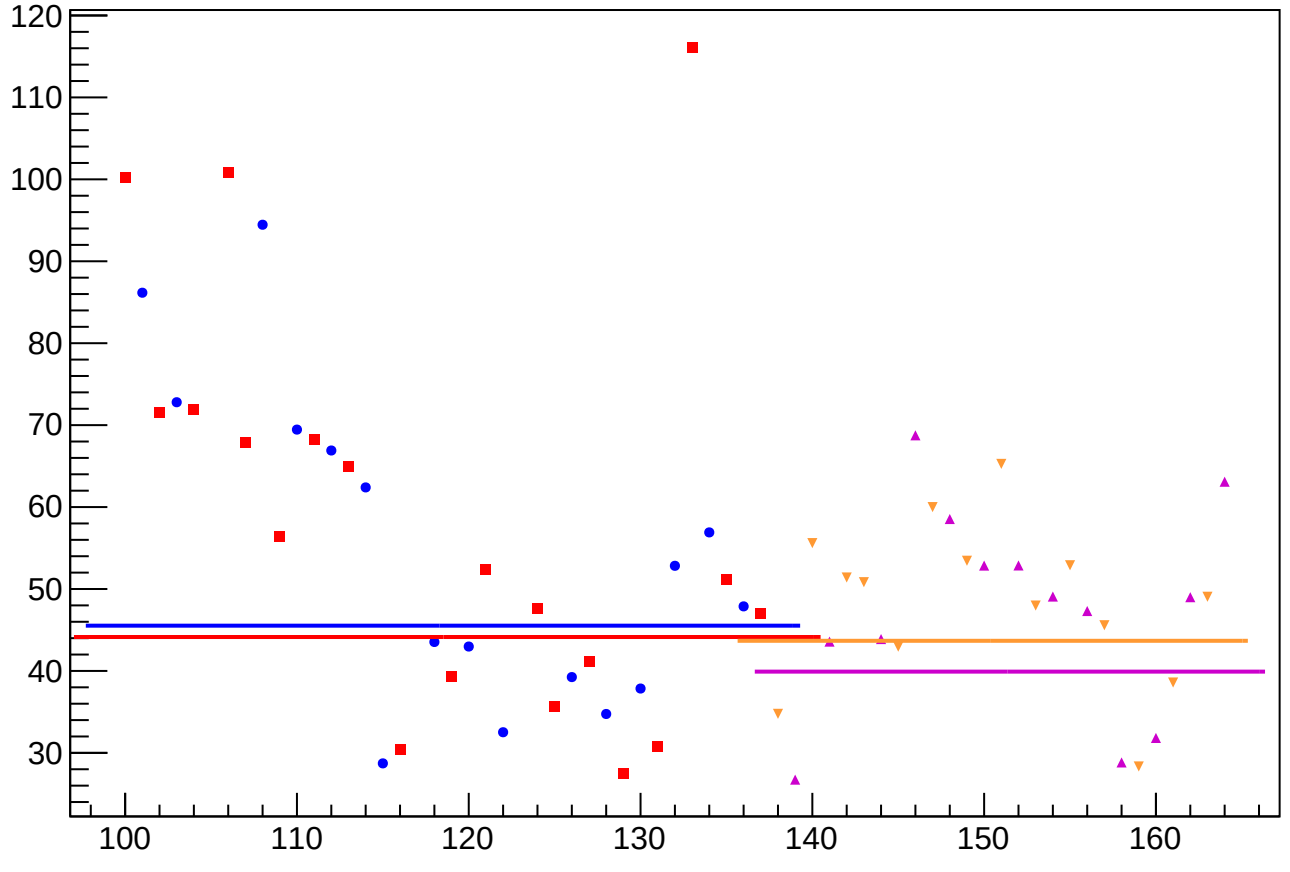
Left: 0.011+/-0.009 χ^2/NDF: 48.5/26

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:31.0/28

Out: 0.009+/-0.011 χ^2/NDF:57.6/32

All: 0.004+/-0.008 χ^2/NDF: 89.1/61



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.679+/-0.010 χ^2/NDF:1148950.6/13

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.916+/-0.009 χ^2/NDF:1674564.1/12

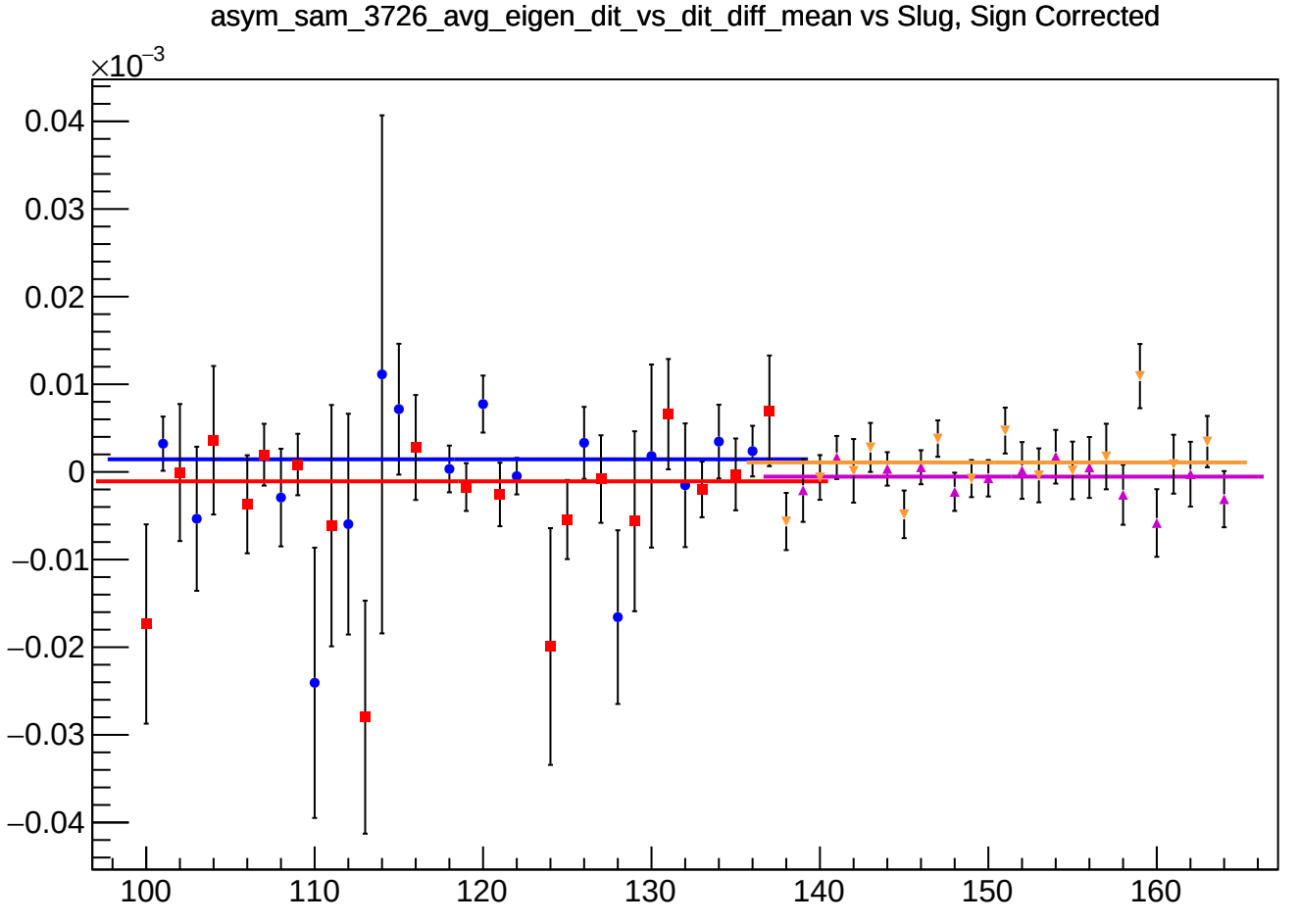
Left: 41.688+/-0.007 χ^2/NDF: 2902719.8/26

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.790+/-0.007 χ^2/NDF:3053382.7/28

Out: 43.850+/-0.008 χ^2/NDF:2893221.5/32

All: 42.790+/-0.005 χ^2/NDF: 5983373.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/12

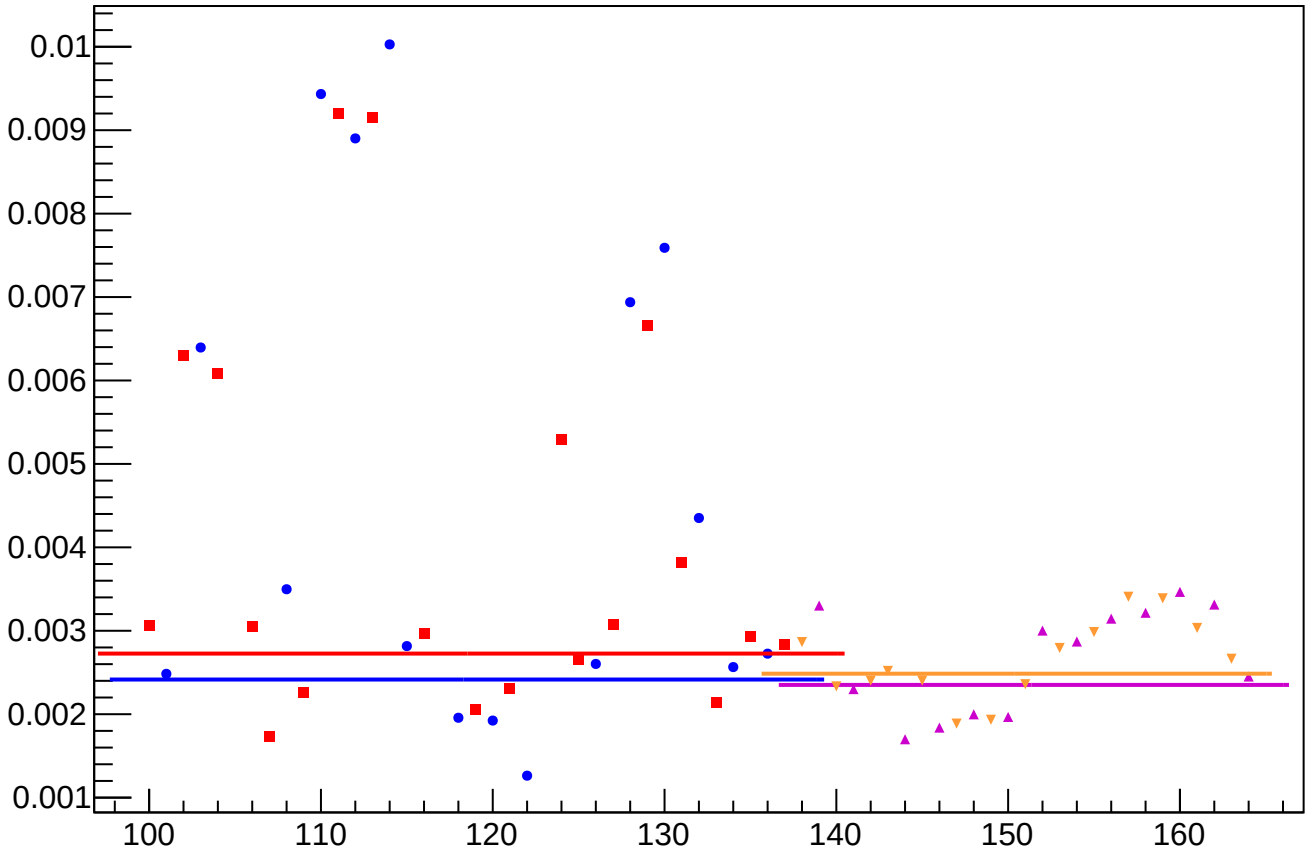
Left: 0.000+/-0.000 χ^2/NDF: 30.6/26

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:22.3/28

Out: 0.000+/-0.000 χ^2/NDF:39.9/32

All: 0.000+/-0.000 χ^2/NDF: 62.3/61



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:714369.3/13

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1306493.2/12

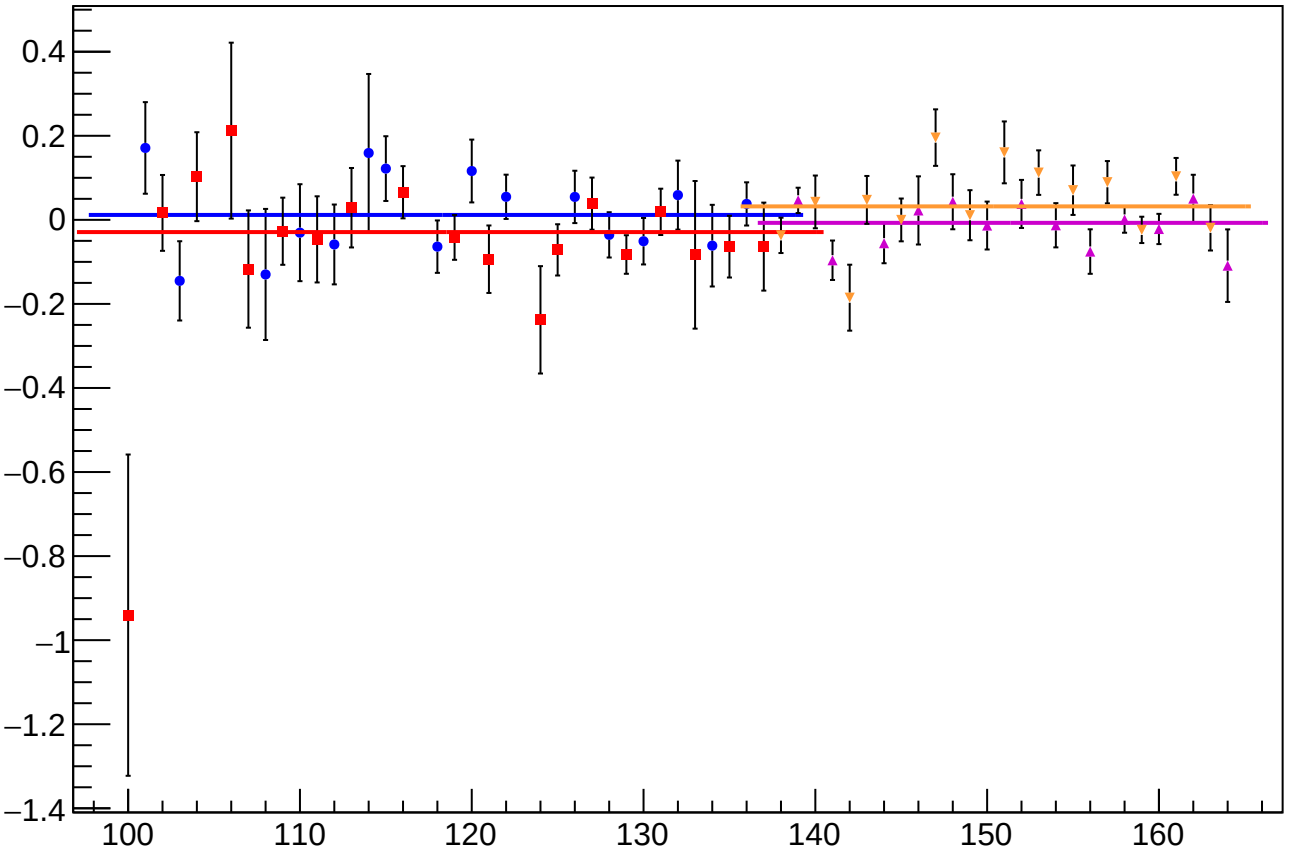
Left: 0.002+/-0.000 χ^2/NDF: 2053124.2/26

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4743697.4/28

Out: 0.003+/-0.000 χ^2/NDF:3282794.5/32

All: 0.002+/-0.000 χ^2/NDF: 8120247.4/61



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.032+/-0.014 χ^2/NDF:30.7/13

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.007+/-0.013 χ^2/NDF:13.5/12

Left: 0.011+/-0.009 χ^2/NDF: 48.5/26

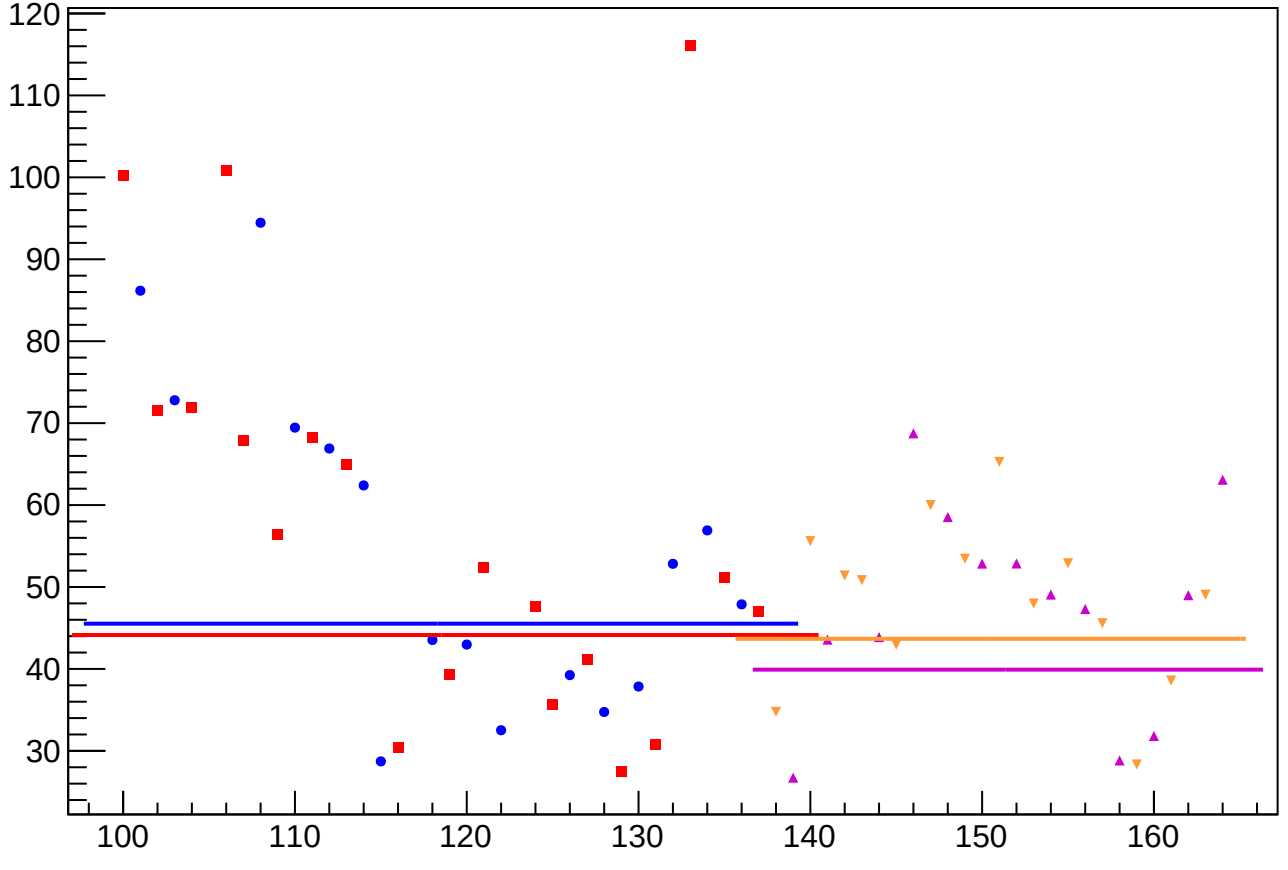
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:31.0/28

Out: 0.009+/-0.011 χ^2/NDF:57.6/32

All: 0.004+/-0.008 χ^2/NDF: 89.1/61

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: 43.679+/-0.010 χ^2/NDF:1149005.6/13

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.916+/-0.009 χ^2/NDF:1674623.8/12

Left: 41.688+/-0.007 χ^2/NDF: 2902834.5/26

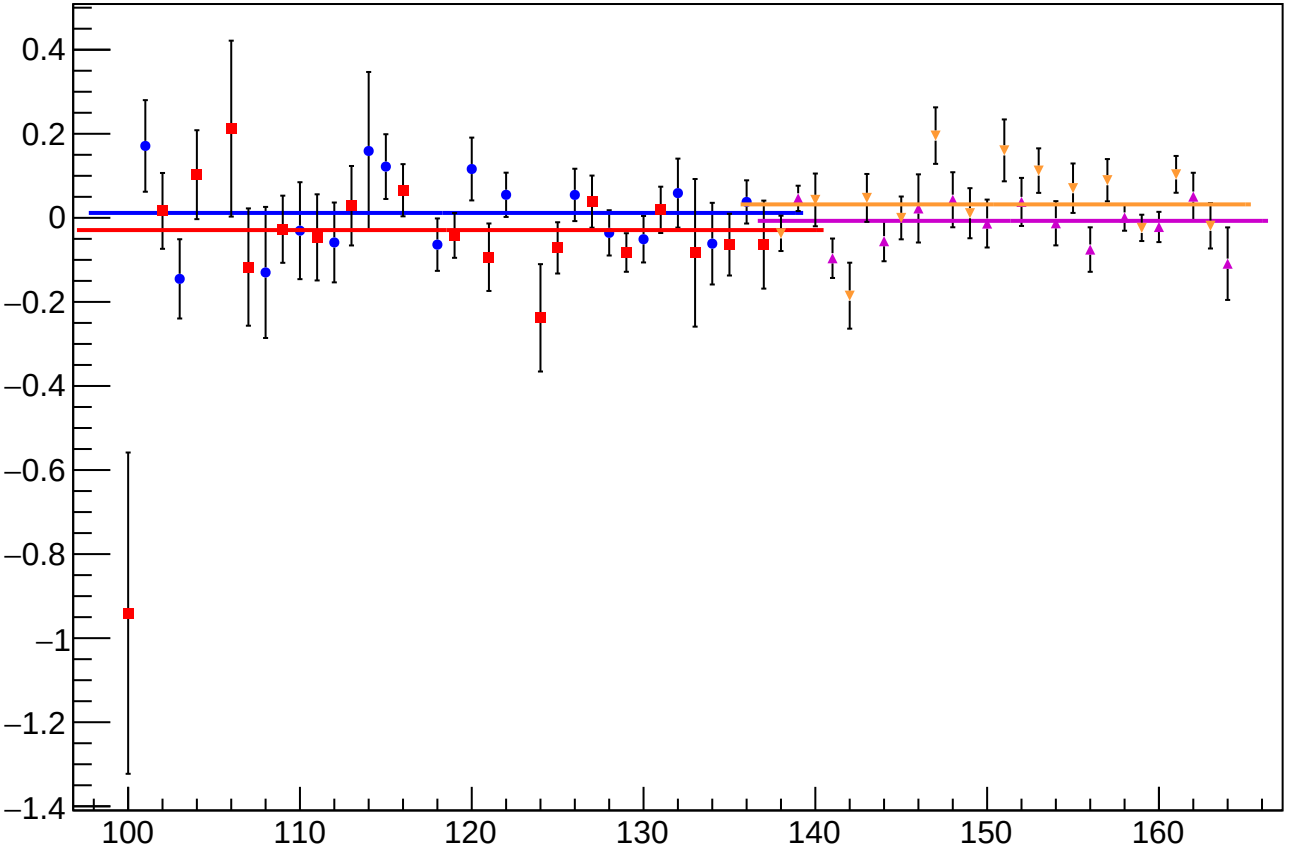
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.790+/-0.007 χ^2/NDF:3053388.7/28

Out: 43.851+/-0.008 χ^2/NDF:2893197.2/32

All: 42.790+/-0.005 χ^2/NDF: 5983359.5/61

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: 0.032+/-0.014 χ^2/NDF:30.7/13

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.007+/-0.013 χ^2/NDF:13.5/12

Left: 0.011+/-0.009 χ^2/NDF: 48.5/26

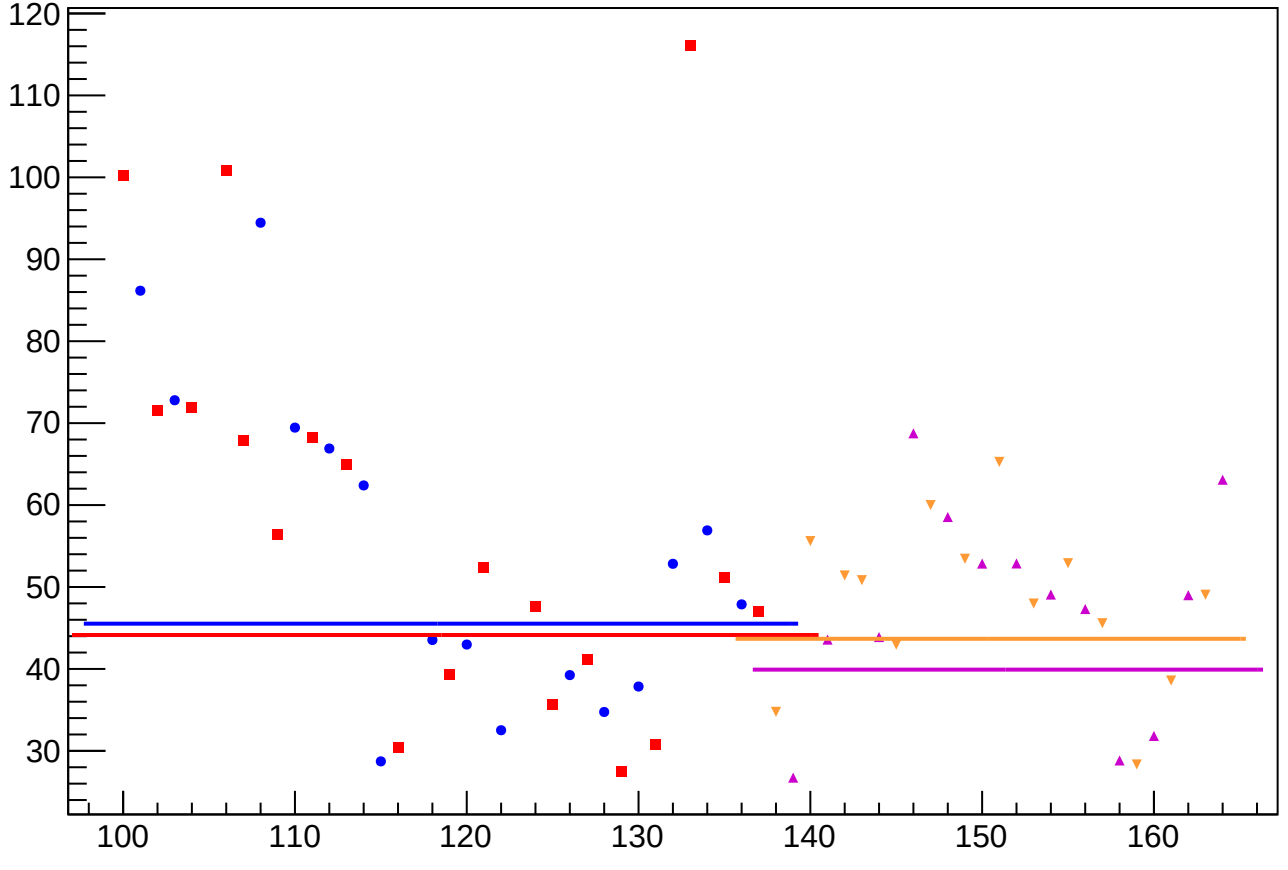
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: -0.001+/-0.011 χ^2/NDF:31.0/28

Out: 0.009+/-0.011 χ^2/NDF:57.6/32

All: 0.004+/-0.008 χ^2/NDF: 89.1/61

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: 43.679+/-0.010 χ^2/NDF:1149005.6/13

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.916+/-0.009 χ^2/NDF:1674623.8/12

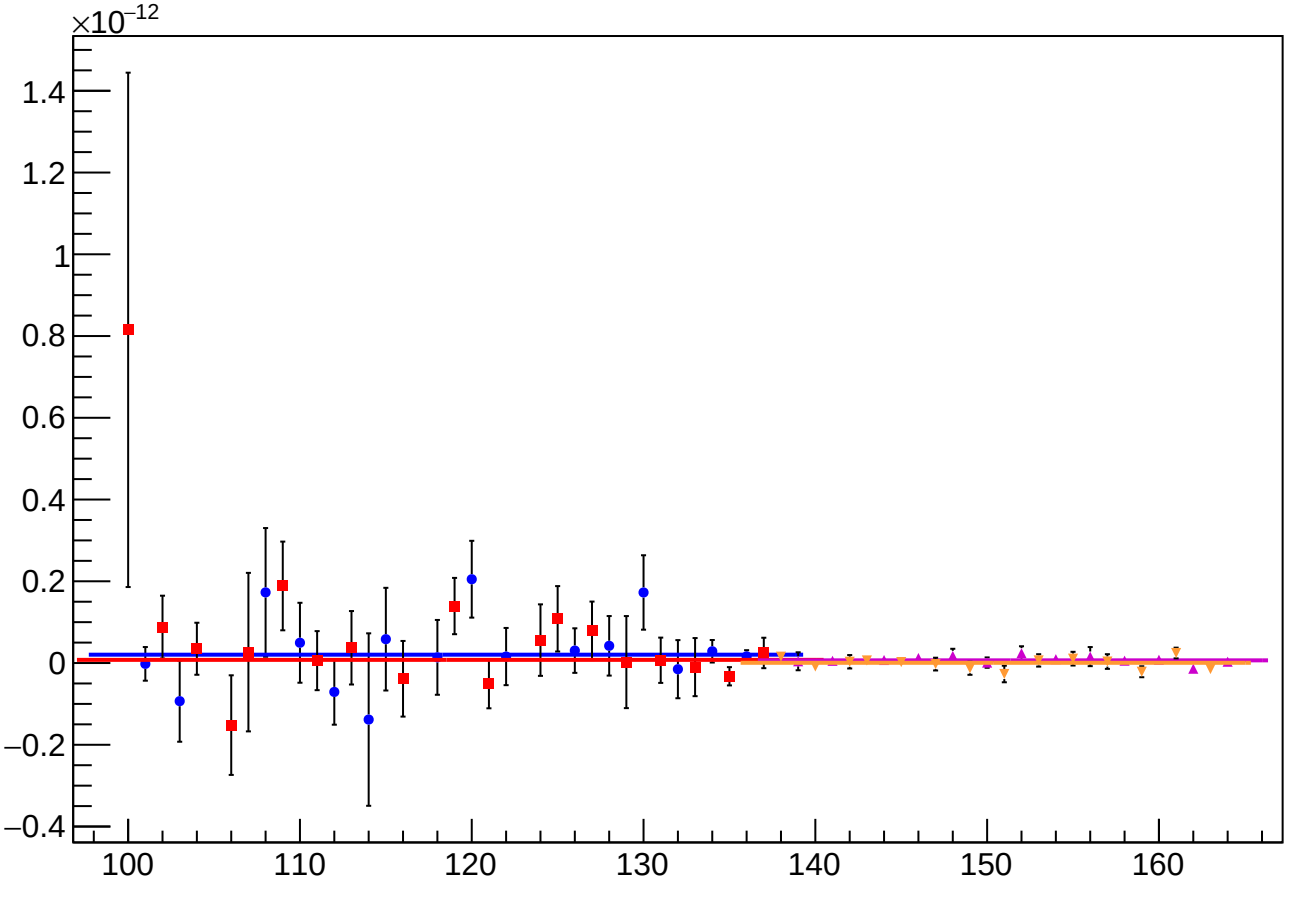
Left: 41.688+/-0.007 χ^2/NDF: 2902834.5/26

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.790+/-0.007 χ^2/NDF:3053388.7/28

Out: 43.851+/-0.008 χ^2/NDF:2893197.2/32

All: 42.790+/-0.005 χ^2/NDF: 5983359.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.2/12

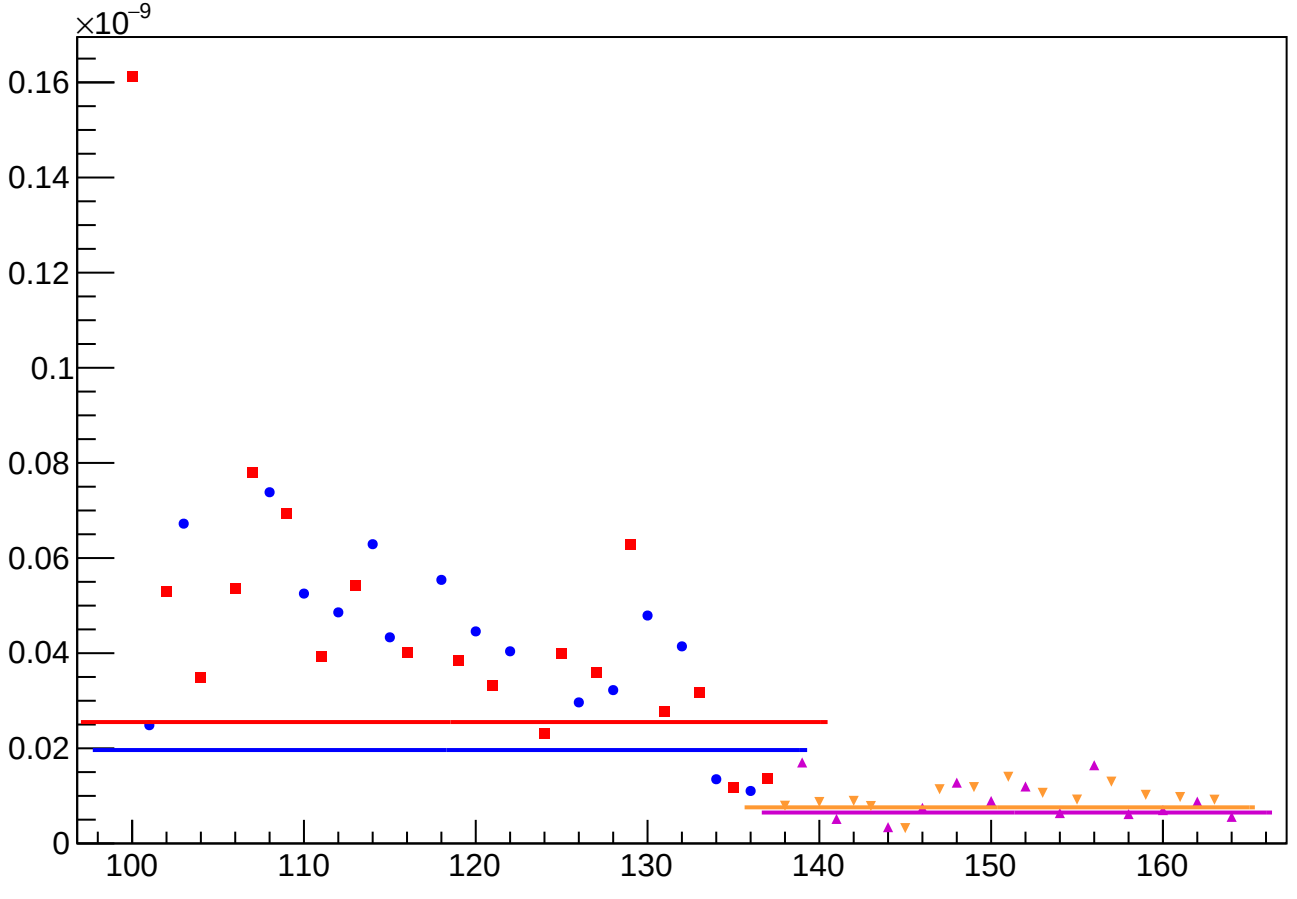
Left: 0.000+/-0.000 χ^2/NDF: 20.3/26

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:18.4/28

Out: 0.000+/-0.000 χ^2/NDF:32.2/32

All: 0.000+/-0.000 χ^2/NDF: 53.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2165839.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2097867.0/12

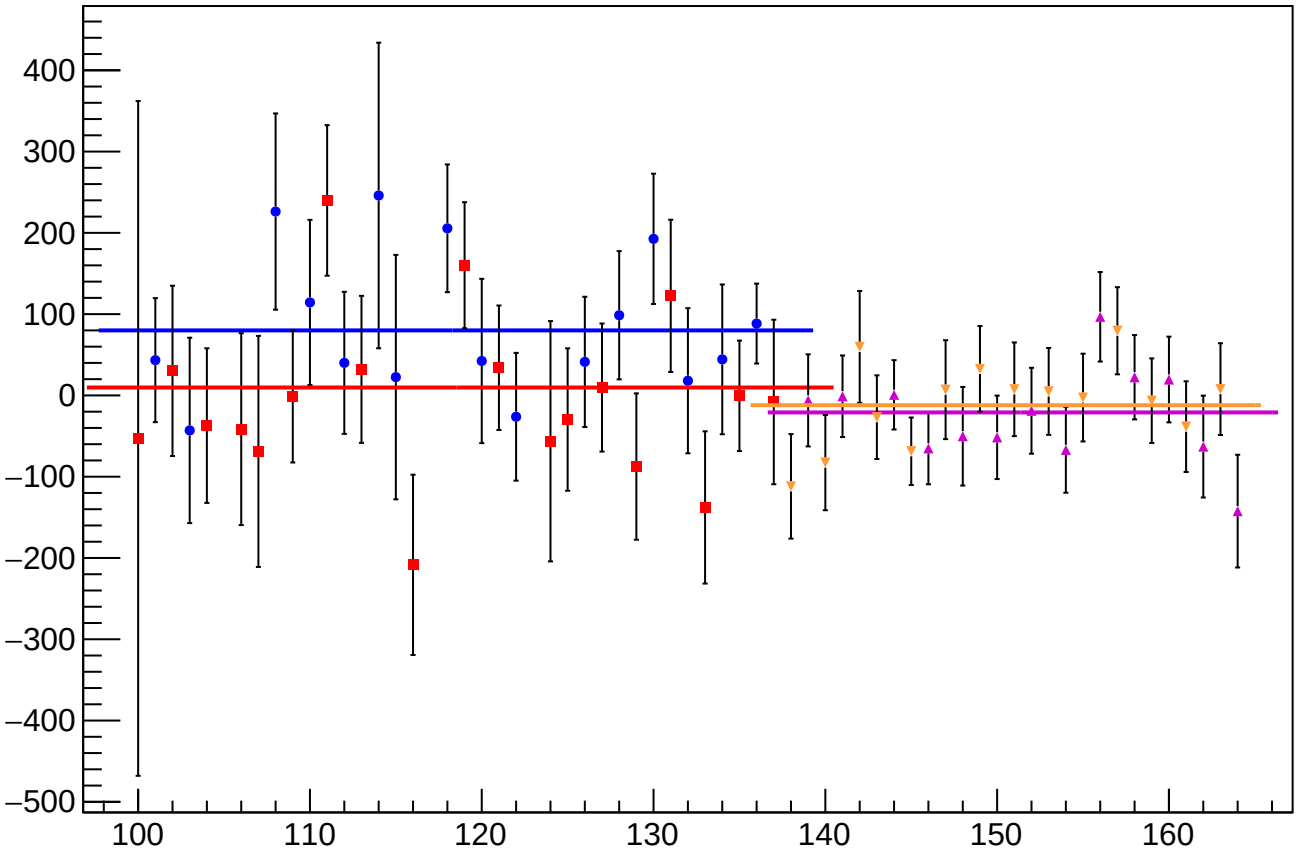
Left: 0.000+/-0.000 χ^2/NDF: 4389989.8/26

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7921903.9/28

Out: 0.000+/-0.000 χ^2/NDF:8120003.1/32

All: 0.000+/-0.000 χ^2/NDF: 16192484.0/61



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -12.053+/-14.619 χ^2/NDF:11.2/13

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -20.932+/-14.643 χ^2/NDF:12.2/12

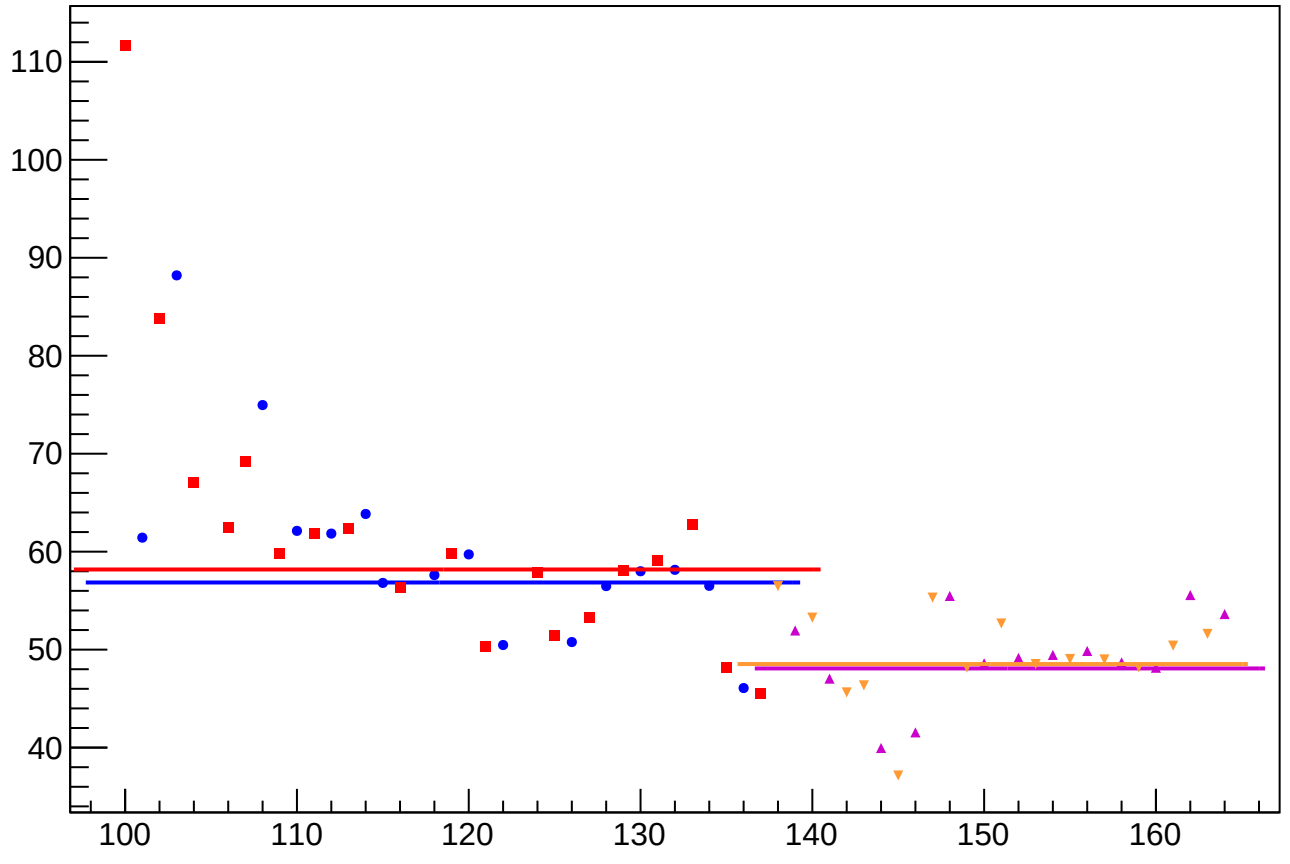
Left: -16.485+/-10.346 χ^2/NDF: 23.6/26

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 11.101+/-12.098 χ^2/NDF:38.8/28

Out: -5.217+/-12.110 χ^2/NDF:32.3/32

All: 2.950+/-8.559 χ^2/NDF: 72.0/61



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.528+/-0.010 χ^2/NDF:245082.2/13

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 48.079+/-0.010 χ^2/NDF:202241.5/12

Left: 48.304+/-0.007 χ^2/NDF: 448265.1/26

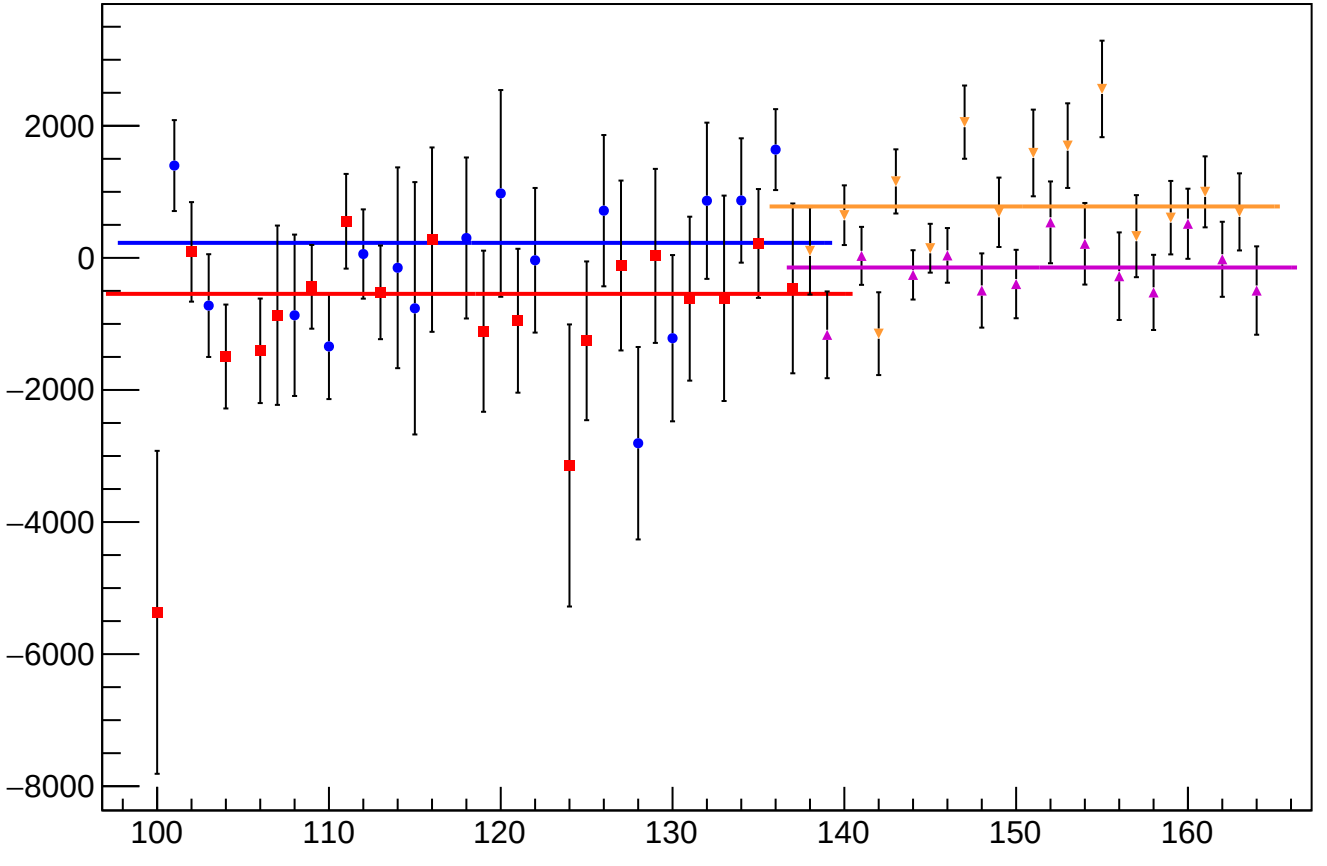
Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 50.865+/-0.009 χ^2/NDF:771791.3/28

Out: 51.558+/-0.009 χ^2/NDF:833392.4/32

All: 51.211+/-0.006 χ^2/NDF: 1608463.9/61

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 778.554+/-145.873 χ^2/NDF:29.8/13

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -145.567+/-146.069 χ^2/NDF:7.4/12

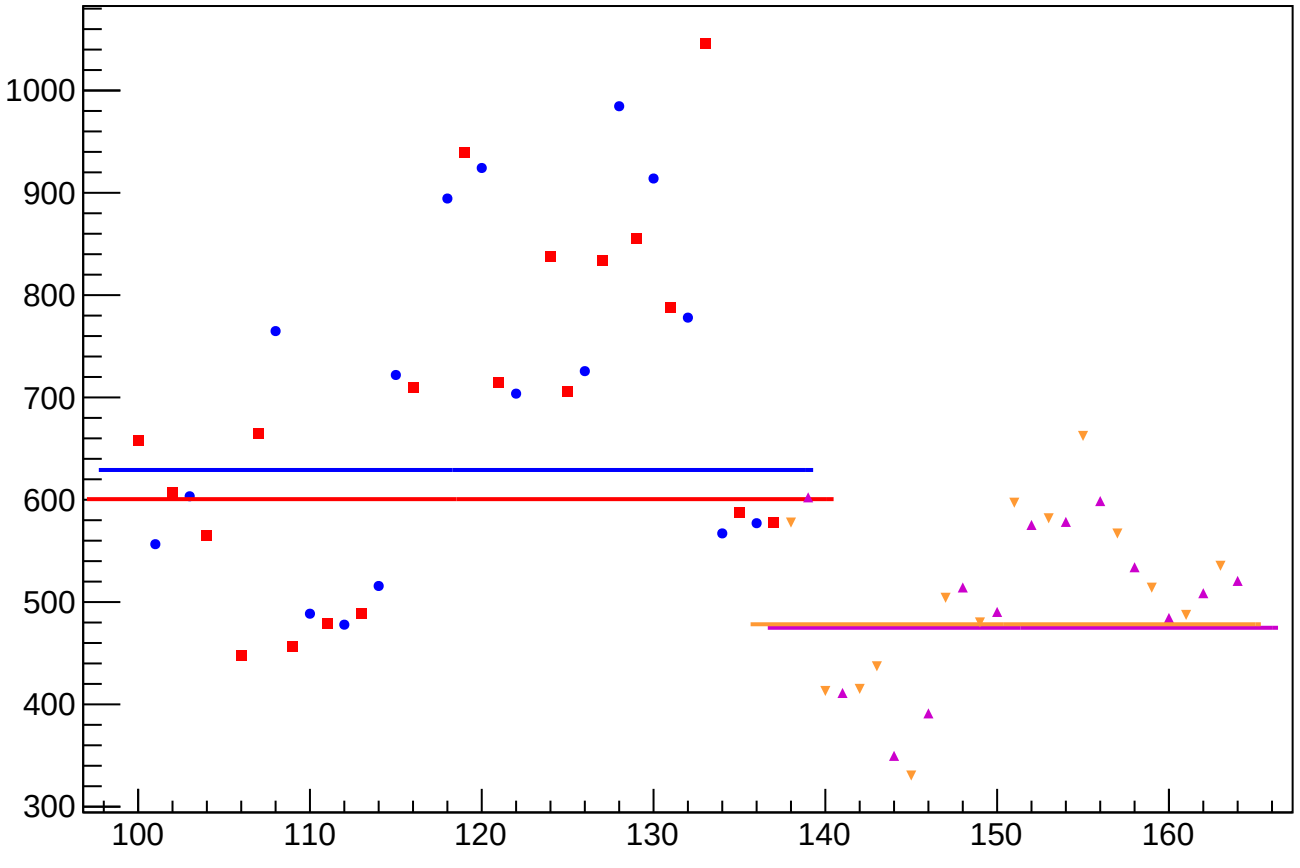
Left: 317.114+/-103.217 χ^2/NDF: 57.2/26

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -45.473+/-124.947 χ^2/NDF:30.8/28

Out: 392.381+/-122.757 χ^2/NDF:67.1/32

All: 177.325+/-87.567 χ^2/NDF: 104.2/61



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 478.294+/-0.103 χ^2/NDF:759027.5/13

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 474.872+/-0.103 χ^2/NDF:652757.7/12

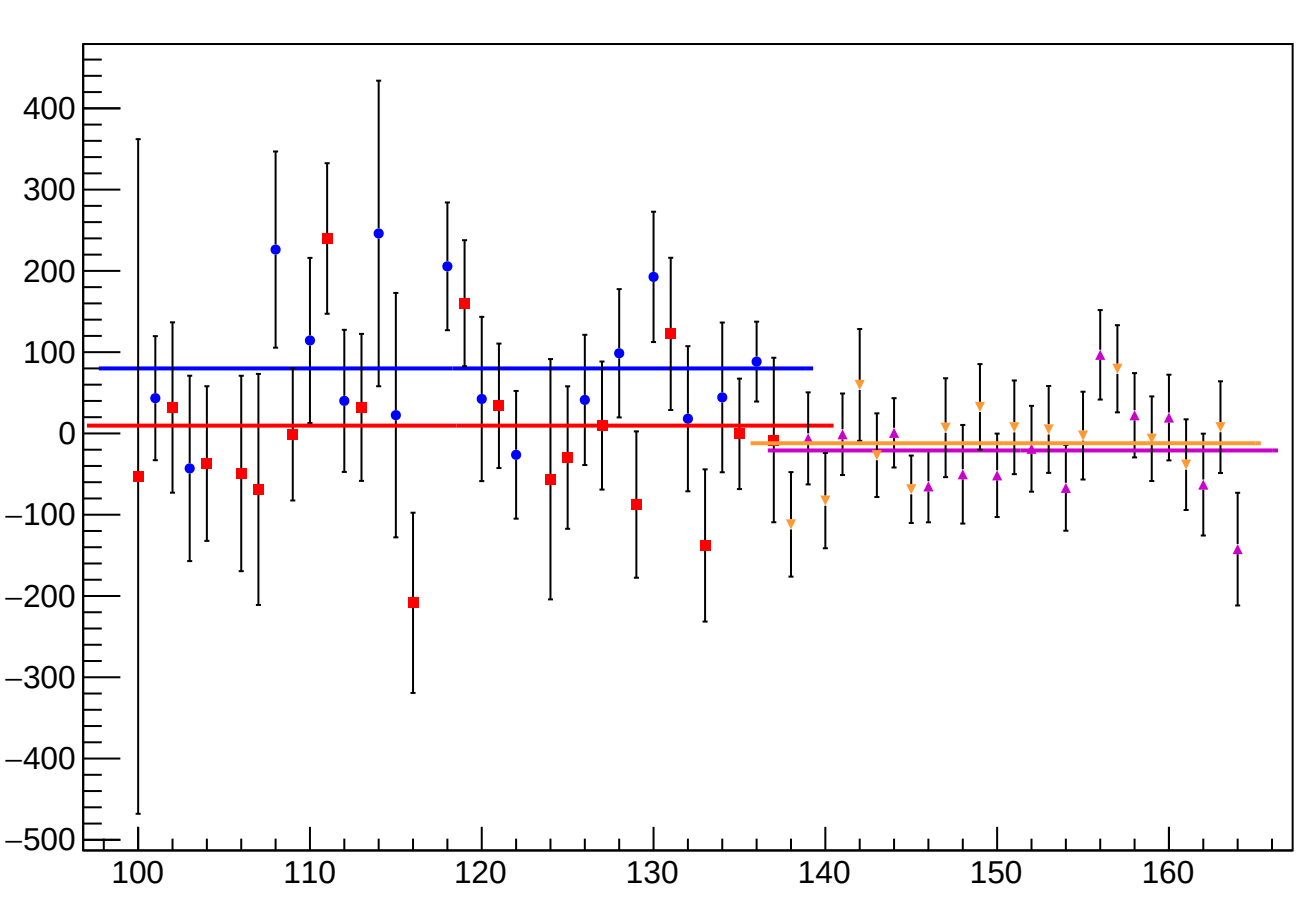
Left: 476.586+/-0.073 χ^2/NDF: 1412334.9/26

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 516.249+/-0.088 χ^2/NDF:1943652.3/28

Out: 513.984+/-0.087 χ^2/NDF:2043880.8/32

All: 515.096+/-0.062 χ^2/NDF: 3987867.6/61



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -12.055+/-14.619 χ^2/NDF:11.2/13

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -20.933+/-14.643 χ^2/NDF:12.2/12

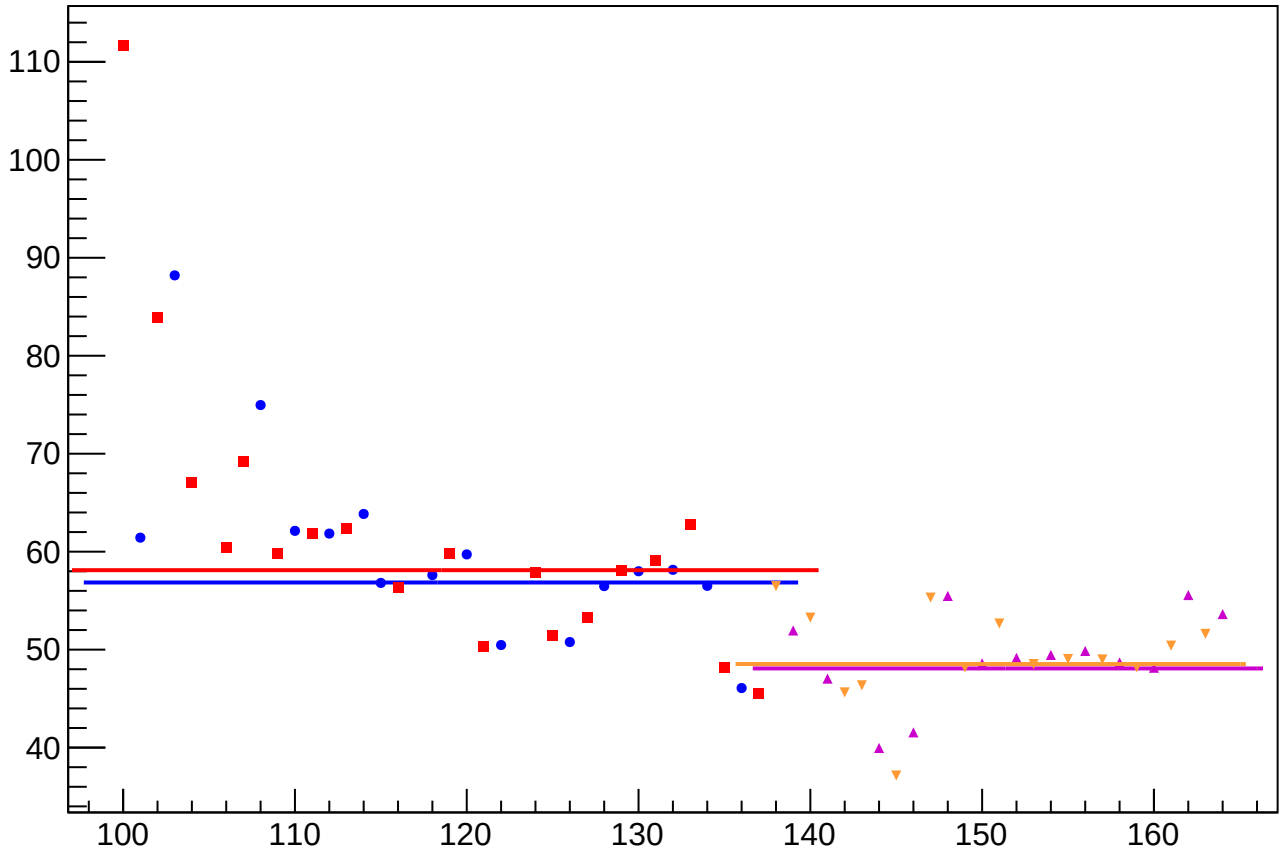
Left: -16.487+/-10.346 χ^2/NDF: 23.6/26

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 11.102+/-12.098 χ^2/NDF:38.8/28

Out: -5.259+/-12.112 χ^2/NDF:32.3/32

All: 2.931+/-8.560 χ^2/NDF: 72.1/61



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.528+/-0.010 χ^2/NDF:245082.2/13

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.079+/-0.010 χ^2/NDF:202241.5/12

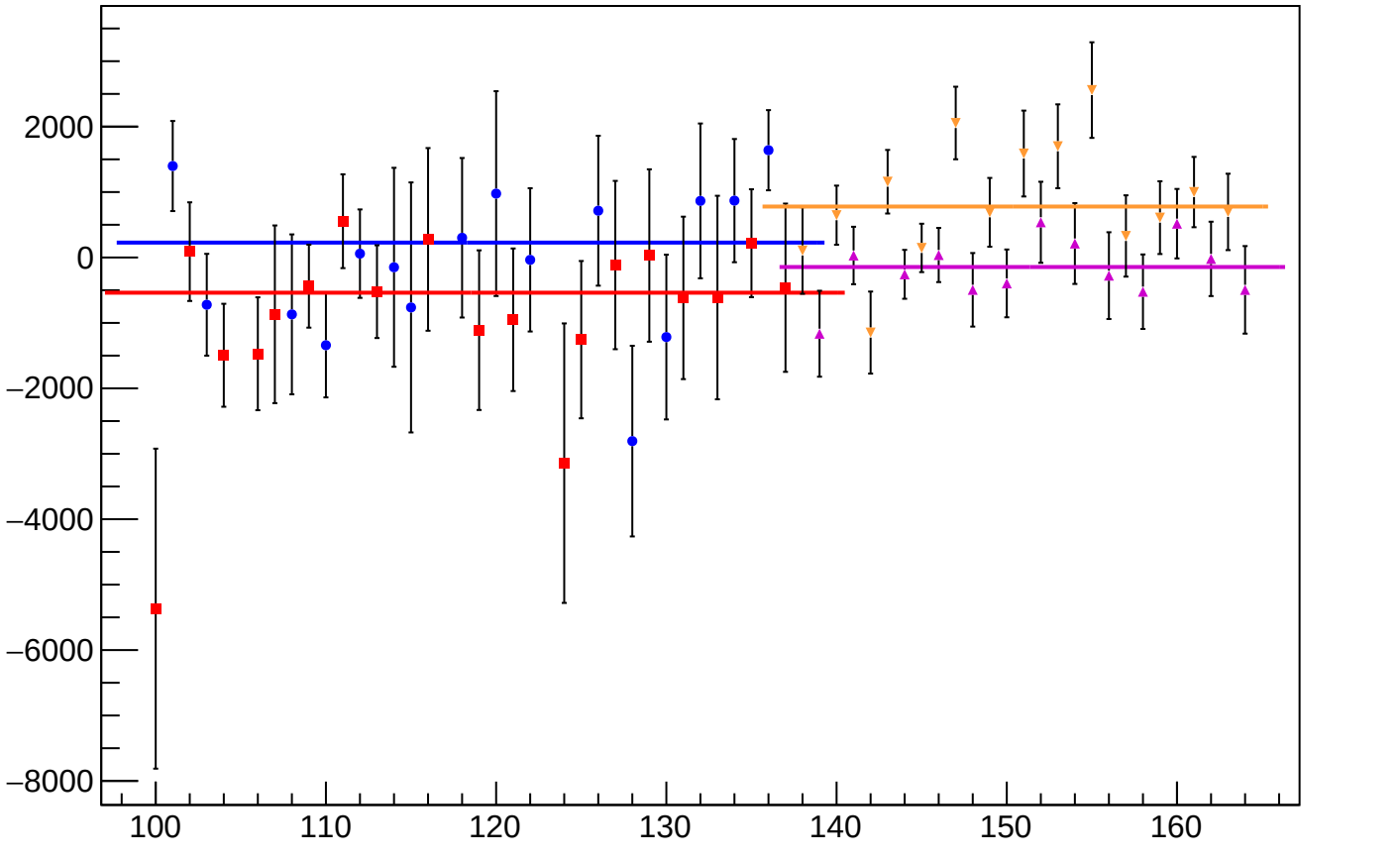
Left: 48.304+/-0.007 χ^2/NDF: 448265.1/26

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.865+/-0.009 χ^2/NDF:771795.3/28

Out: 51.533+/-0.009 χ^2/NDF:827442.8/32

All: 51.198+/-0.006 χ^2/NDF: 1602287.3/61



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 778.553+/-145.873 χ^2/NDF:29.8/13

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -145.570+/-146.069 χ^2/NDF:7.4/12

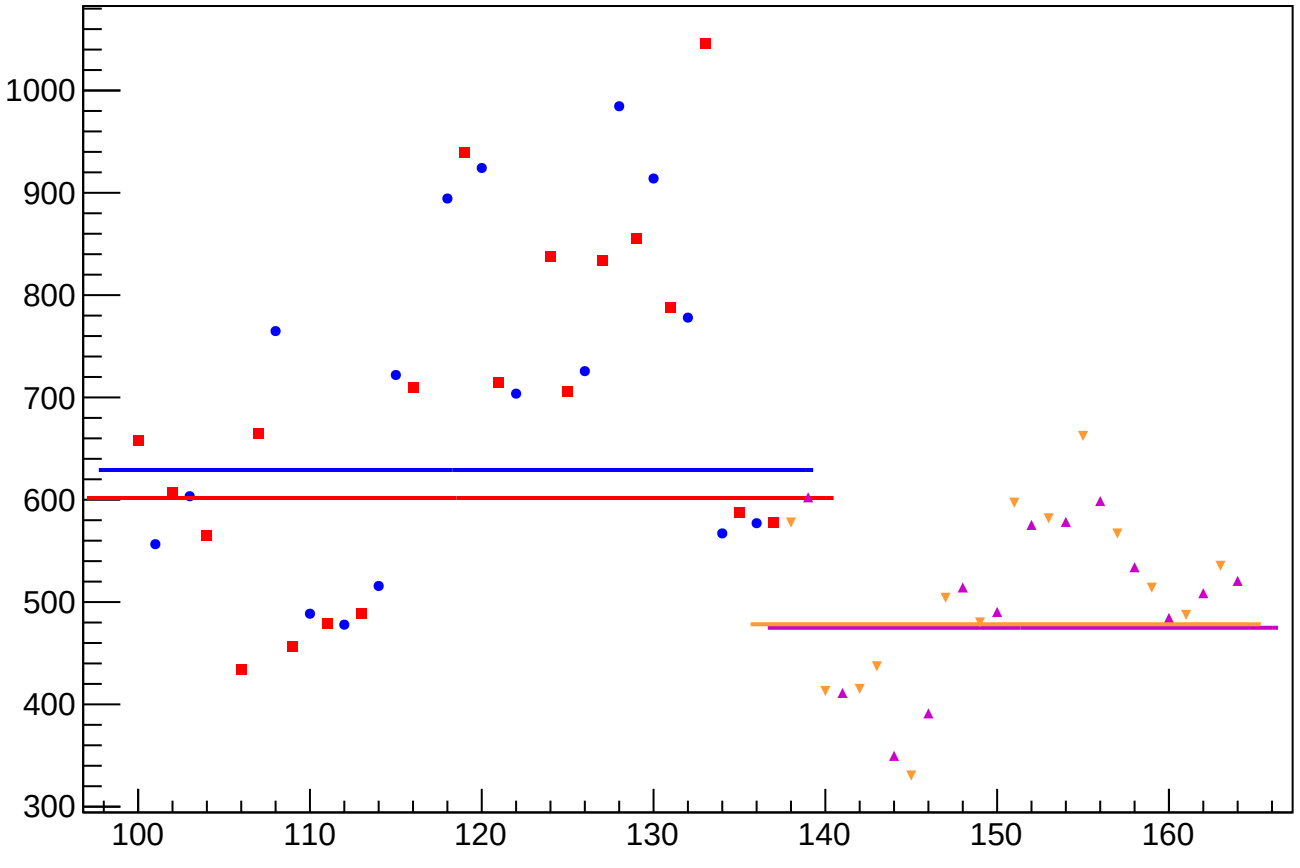
Left: 317.112+/-103.217 χ^2/NDF: 57.2/26

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -45.466+/-124.948 χ^2/NDF:30.8/28

Out: 397.920+/-122.994 χ^2/NDF:66.6/32

All: 179.720+/-87.652 χ^2/NDF: 103.8/61



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 478.294+/-0.103 χ^2/NDF:759028.9/13

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 474.872+/-0.103 χ^2/NDF:652756.1/12

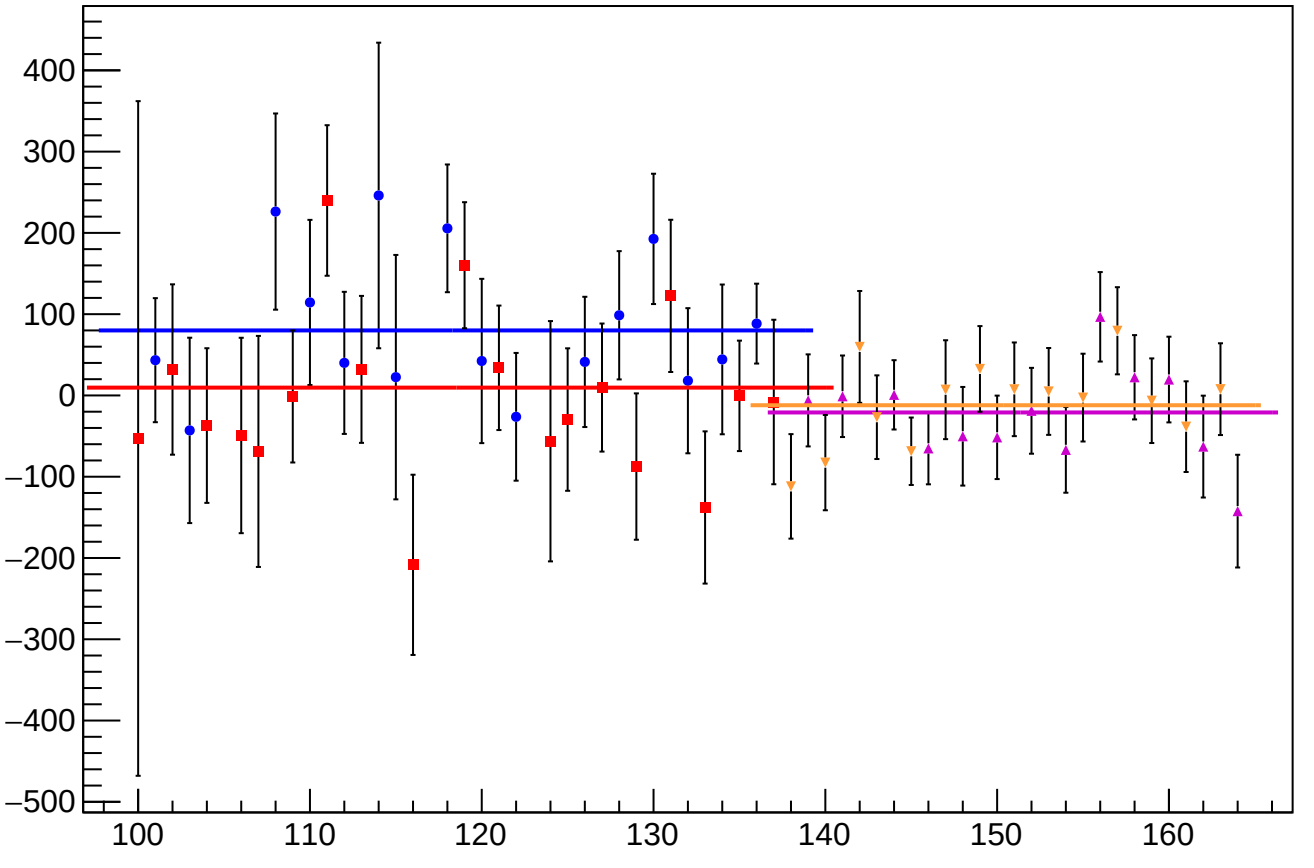
Left: 476.586+/-0.073 χ^2/NDF: 1412334.6/26

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 516.250+/-0.088 χ^2/NDF:1943672.1/28

Out: 513.975+/-0.087 χ^2/NDF:2046997.2/32

All: 515.095+/-0.062 χ^2/NDF: 3991006.0/61



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -12.055+/-14.619 χ^2/NDF:11.2/13

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -20.933+/-14.643 χ^2/NDF:12.2/12

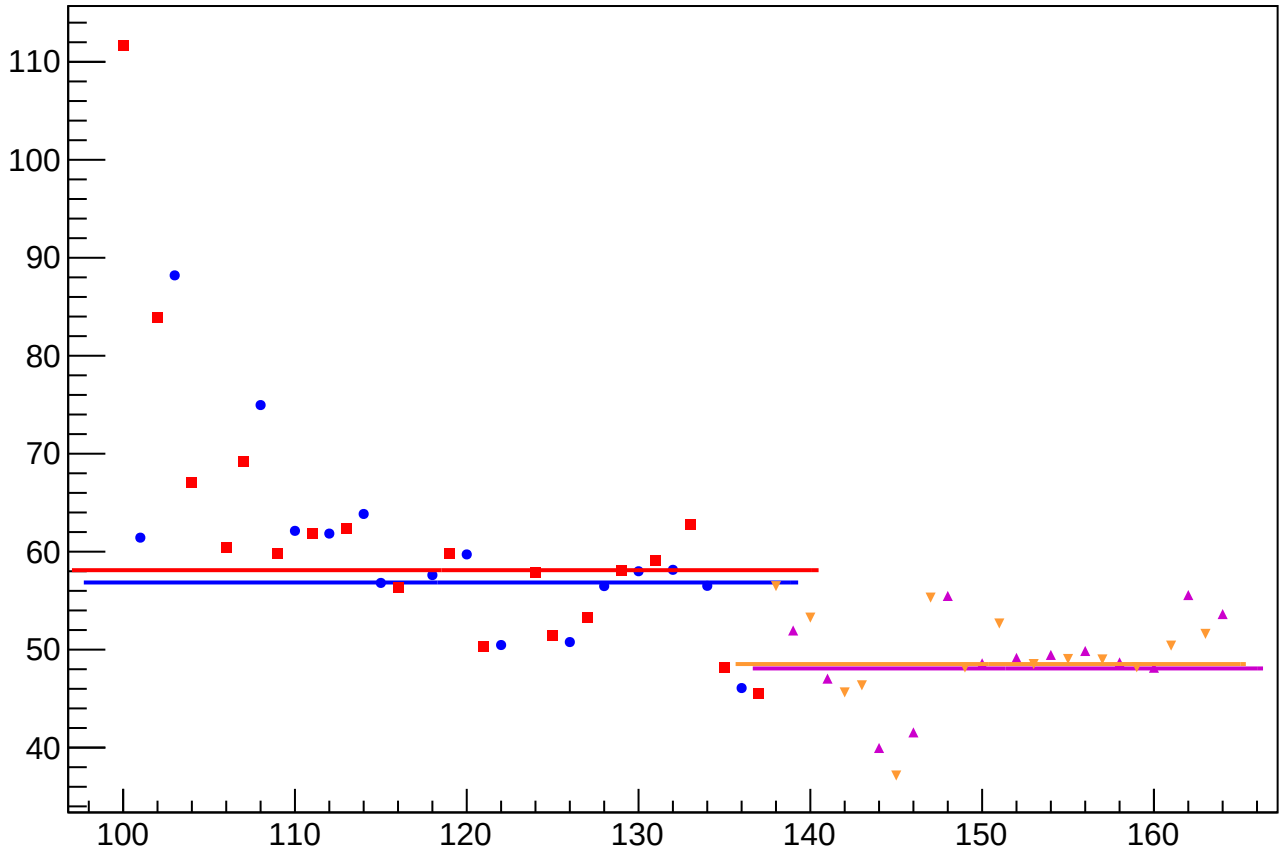
Left: -16.487+/-10.346 χ^2/NDF: 23.6/26

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 11.102+/-12.098 χ^2/NDF:38.8/28

Out: -5.259+/-12.112 χ^2/NDF:32.3/32

All: 2.931+/-8.560 χ^2/NDF: 72.1/61



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.528+/-0.010 χ^2/NDF:245082.2/13

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 48.079+/-0.010 χ^2/NDF:202241.5/12

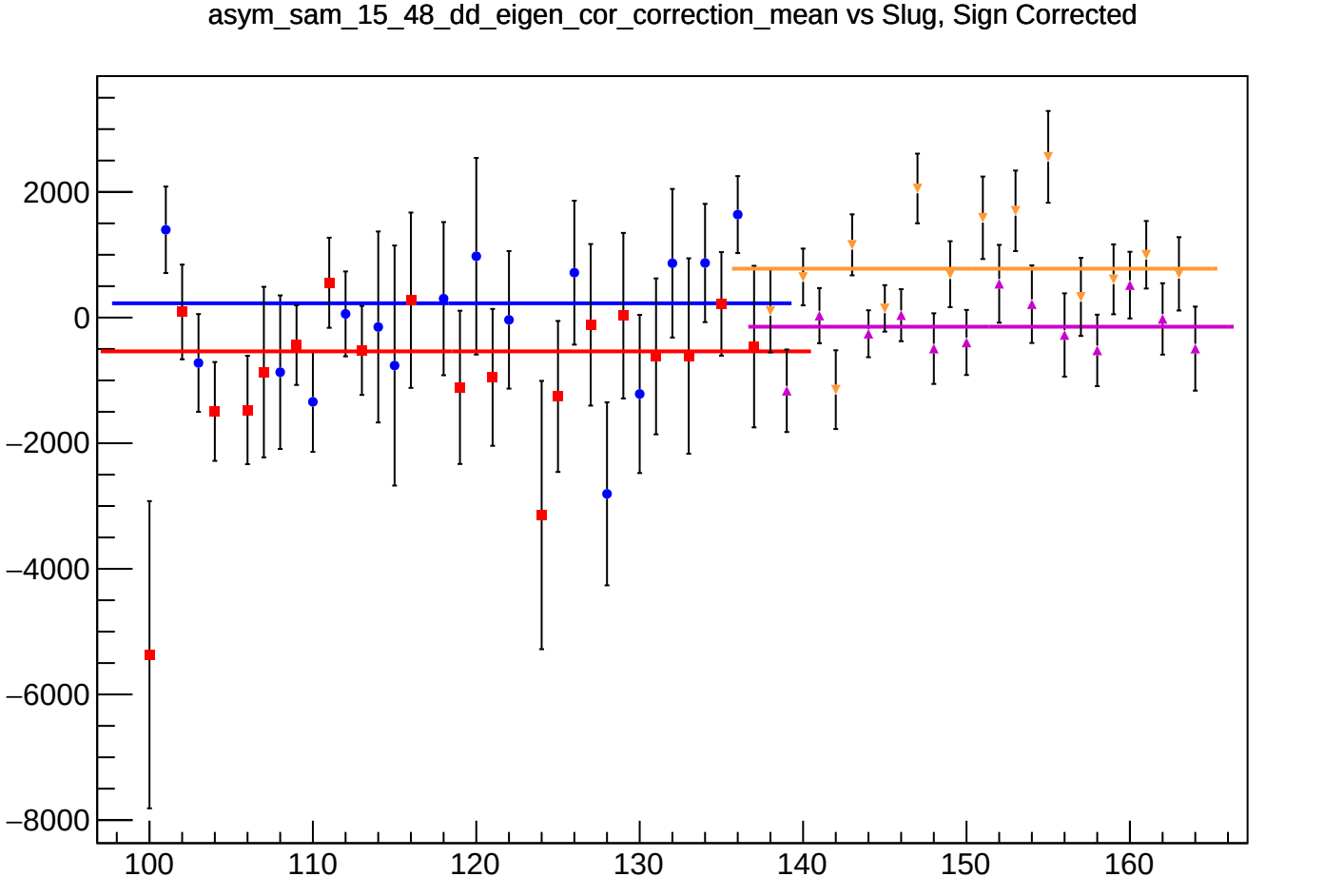
Left: 48.304+/-0.007 χ^2/NDF: 448265.1/26

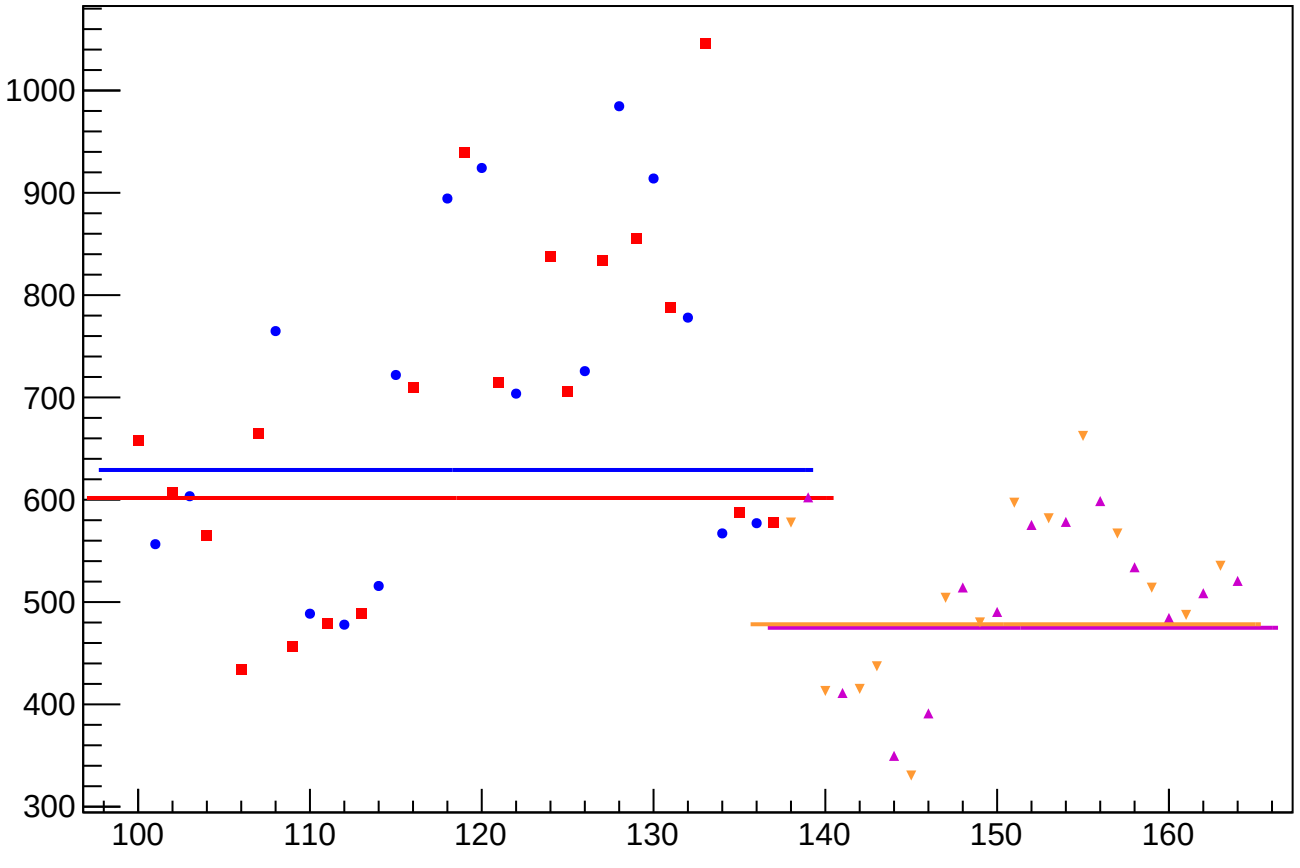
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.865+/-0.009 χ^2/NDF:771795.3/28

Out: 51.533+/-0.009 χ^2/NDF:827442.8/32

All: 51.198+/-0.006 χ^2/NDF: 1602287.3/61


asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 227.547+/-241.227 χ²/NDF: 21.6/15
Left Out: 778.553+/-145.873 χ²/NDF:29.8/13
Right Out: -538.117+/-228.754 χ²/NDF: 13.3/18
Left In: -145.570+/-146.069 χ²/NDF:7.4/12
Left: 317.112+/-103.217 χ²/NDF: 57.2/26
Right: -175.590+/-165.988 χ²/NDF: 40.3/34
In: -45.466+/-124.948 χ²/NDF:30.8/28
Out: 397.920+/-122.994 χ²/NDF:66.6/32
All: 179.720+/-87.652 χ²/NDF: 103.8/61



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 478.294+/-0.103 χ^2/NDF:759028.9/13

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 474.872+/-0.103 χ^2/NDF:652756.1/12

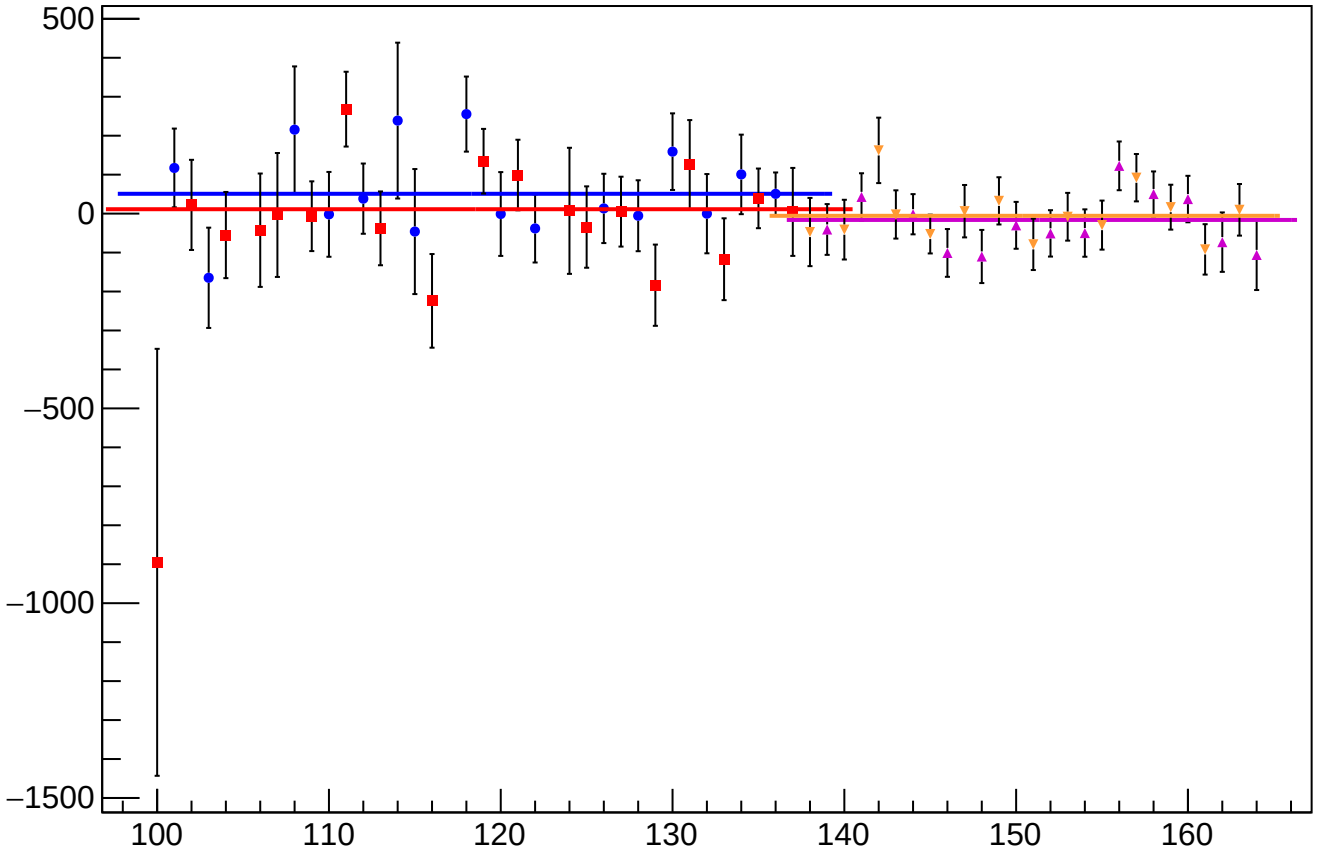
Left: 476.586+/-0.073 χ^2/NDF: 1412334.6/26

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 516.250+/-0.088 χ^2/NDF:1943672.1/28

Out: 513.975+/-0.087 χ^2/NDF:2046997.2/32

All: 515.095+/-0.062 χ^2/NDF: 3991006.0/61



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -5.652+/-17.185 χ^2/NDF:11.7/13

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -16.267+/-17.350 χ^2/NDF:14.3/12

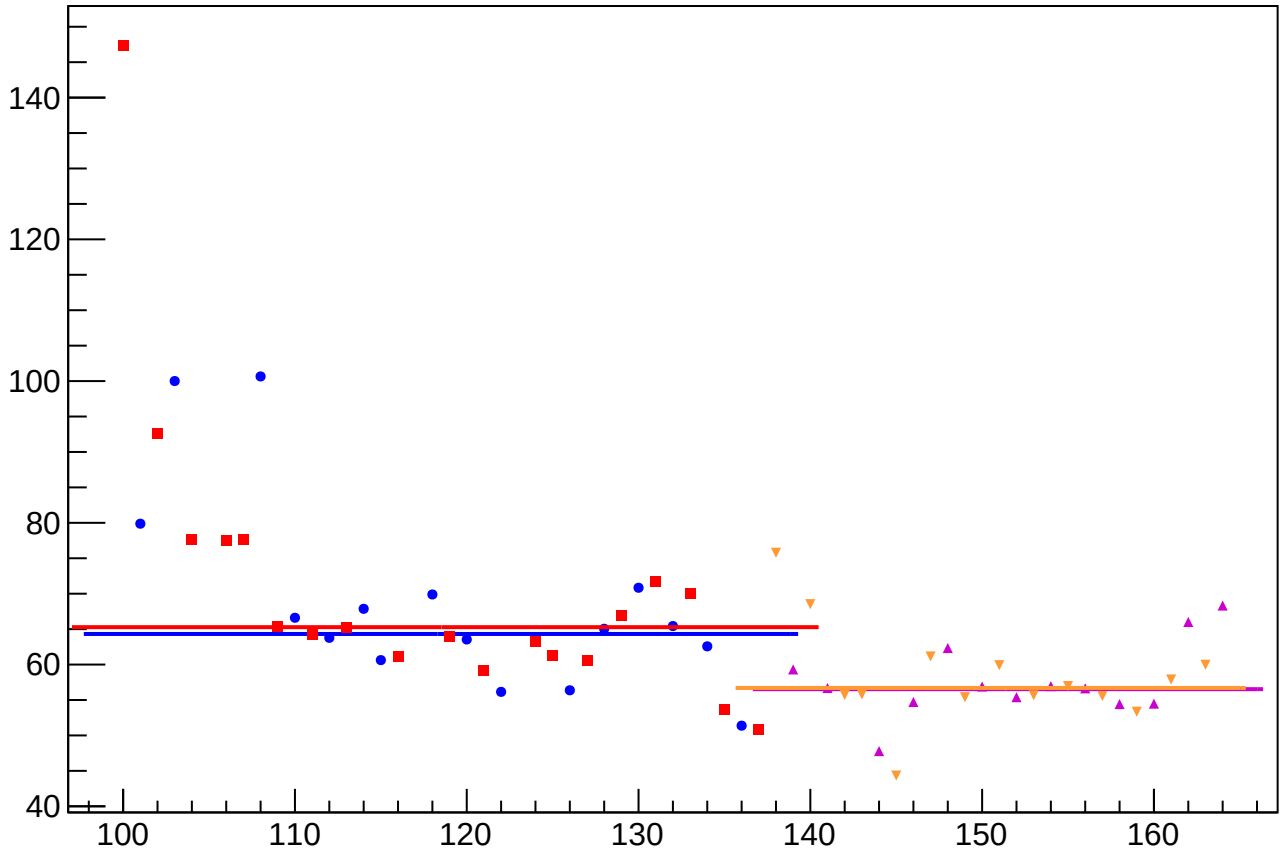
Left: -10.908+/-12.210 χ^2/NDF: 26.2/26

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 6.164+/-14.158 χ^2/NDF:33.1/28

Out: -0.021+/-14.035 χ^2/NDF:36.0/32

All: 3.044+/-9.968 χ^2/NDF: 69.2/61



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.700+/-0.012 χ^2/NDF:294404.1/13

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 56.529+/-0.012 χ^2/NDF:148284.5/12

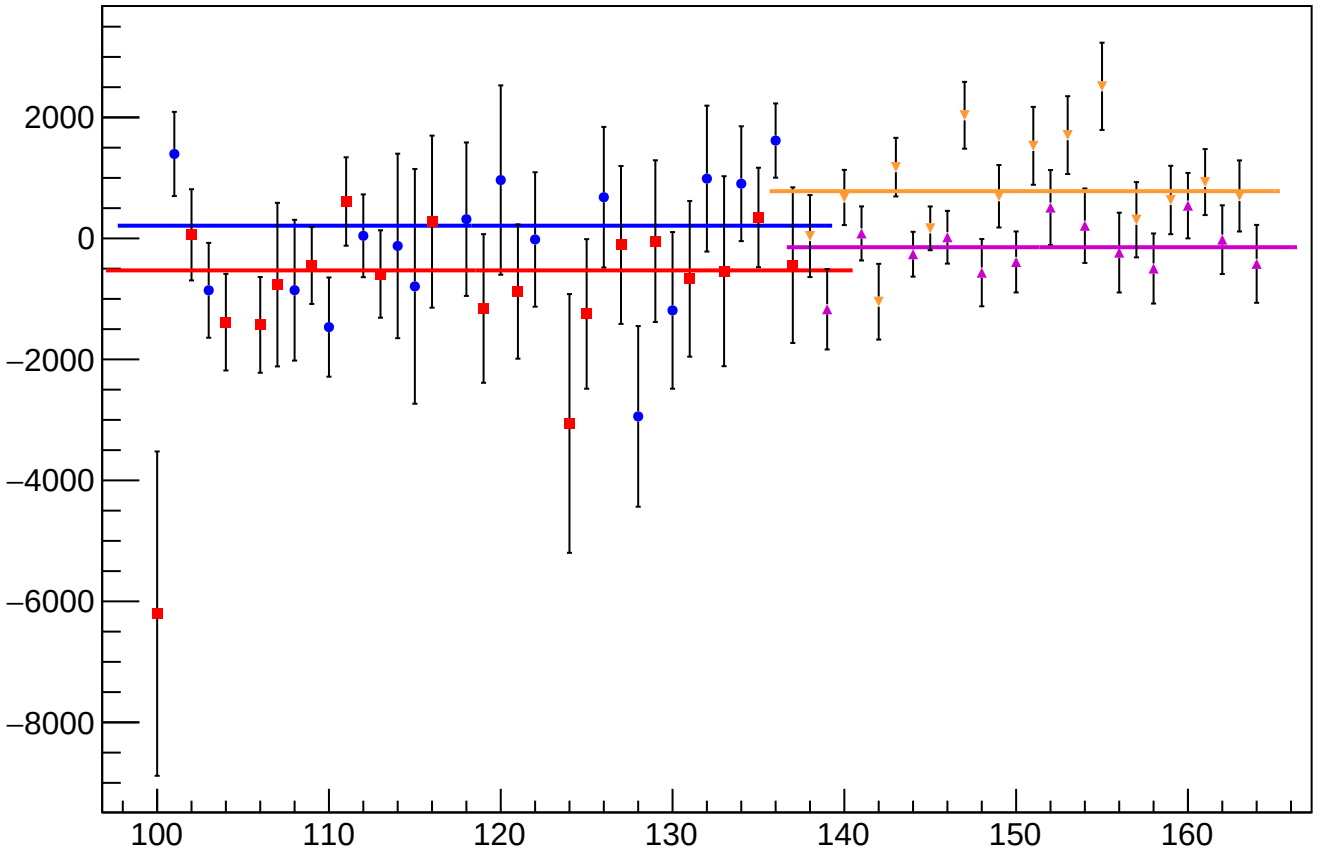
Left: 56.615+/-0.009 χ^2/NDF: 442786.7/26

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 59.131+/-0.010 χ^2/NDF:747881.4/28

Out: 59.556+/-0.010 χ^2/NDF:779434.6/32

All: 59.345+/-0.007 χ^2/NDF: 1528222.3/61



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 780.605+/-145.551 χ^2/NDF:28.5/13

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -145.854+/-146.744 χ^2/NDF:7.4/12

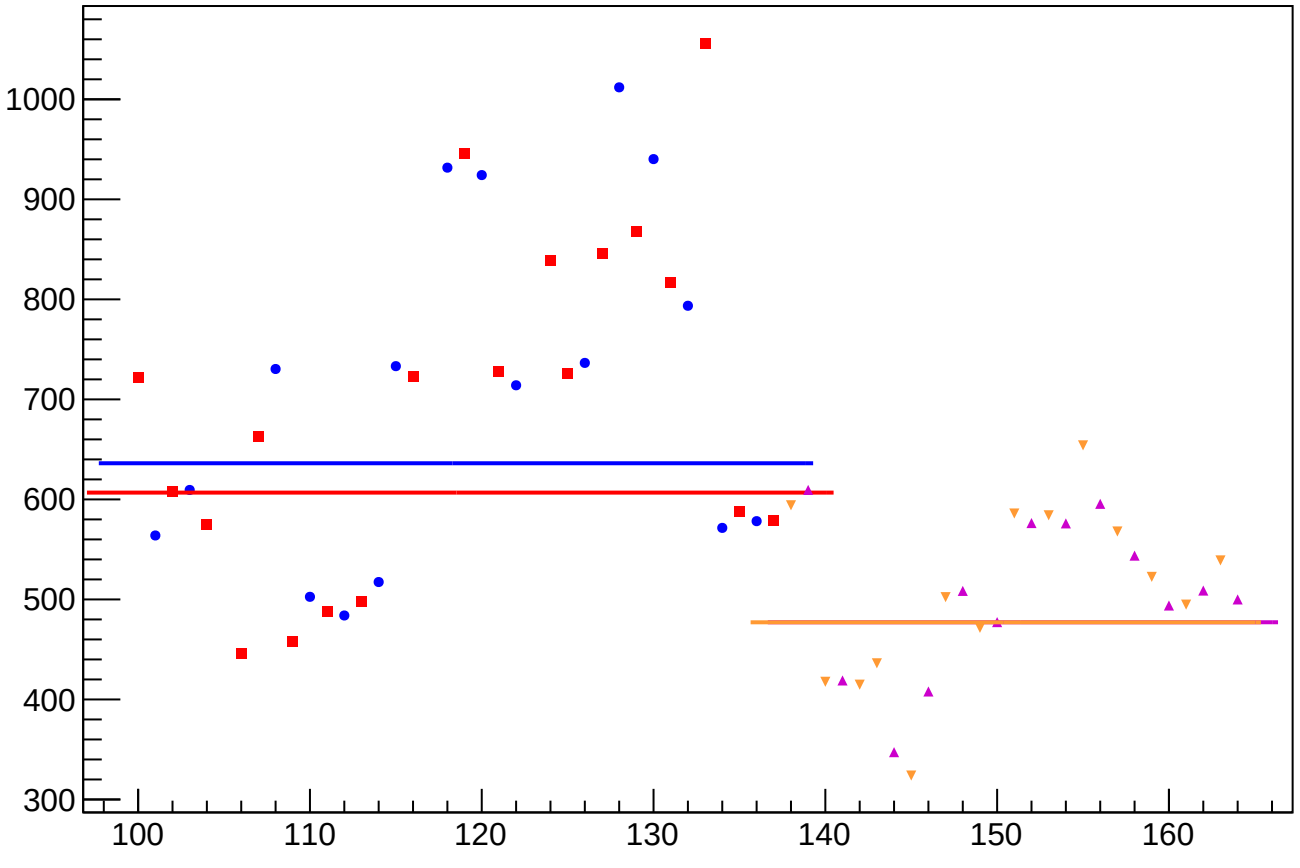
Left: 321.155+/-103.339 χ^2/NDF: 55.9/26

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -51.212+/-125.726 χ^2/NDF:31.4/28

Out: 405.460+/-122.943 χ^2/NDF:65.5/32

All: 182.233+/-87.901 χ^2/NDF: 103.6/61



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 477.129+/-0.103 χ^2/NDF:803886.9/13

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 477.181+/-0.104 χ^2/NDF:620002.7/12

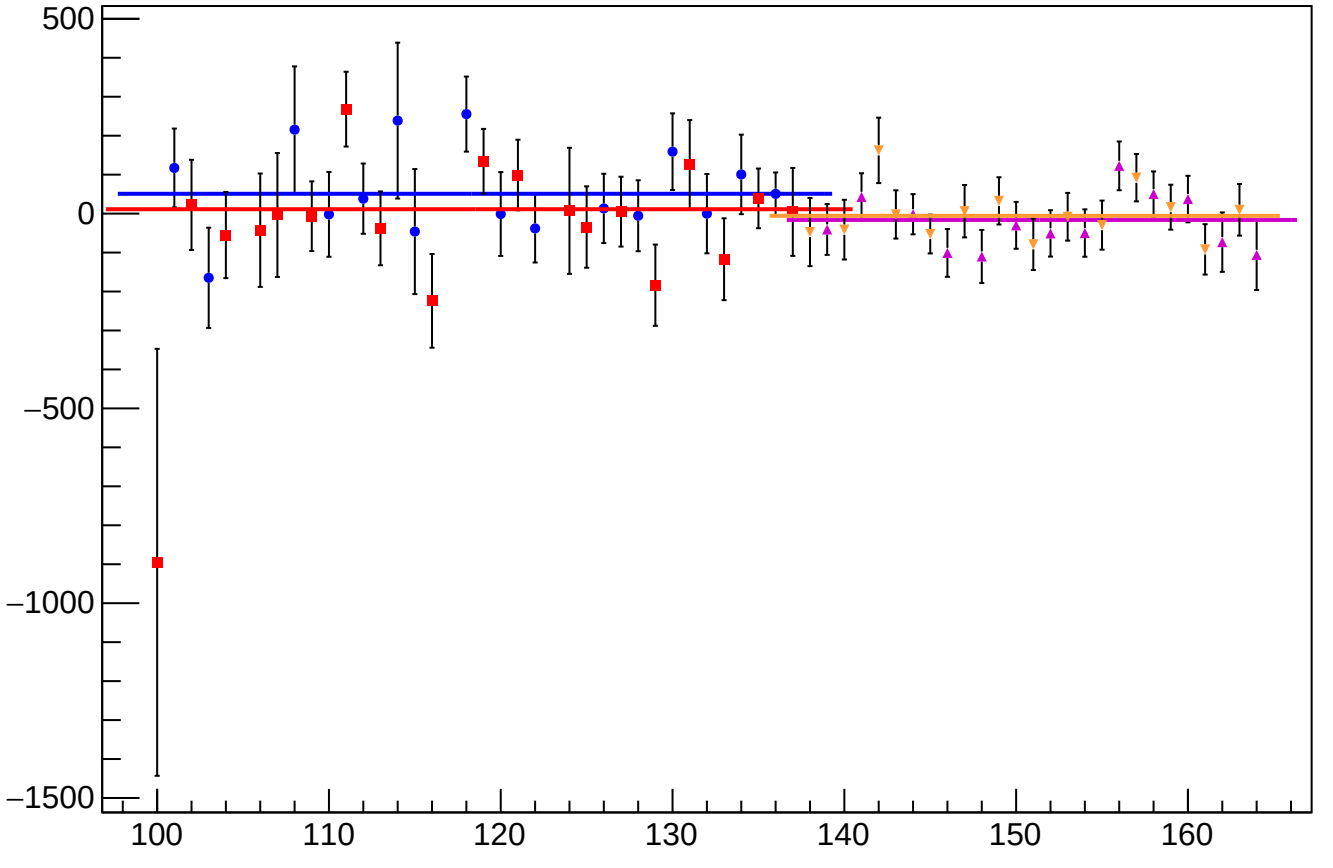
Left: 477.155+/-0.073 χ^2/NDF: 1423889.7/26

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 519.456+/-0.089 χ^2/NDF:1949394.8/28

Out: 514.284+/-0.087 χ^2/NDF:2152615.4/32

All: 516.813+/-0.062 χ^2/NDF: 4103740.4/61



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -5.653+/-17.185 χ^2/NDF:11.7/13

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -16.266+/-17.350 χ^2/NDF:14.3/12

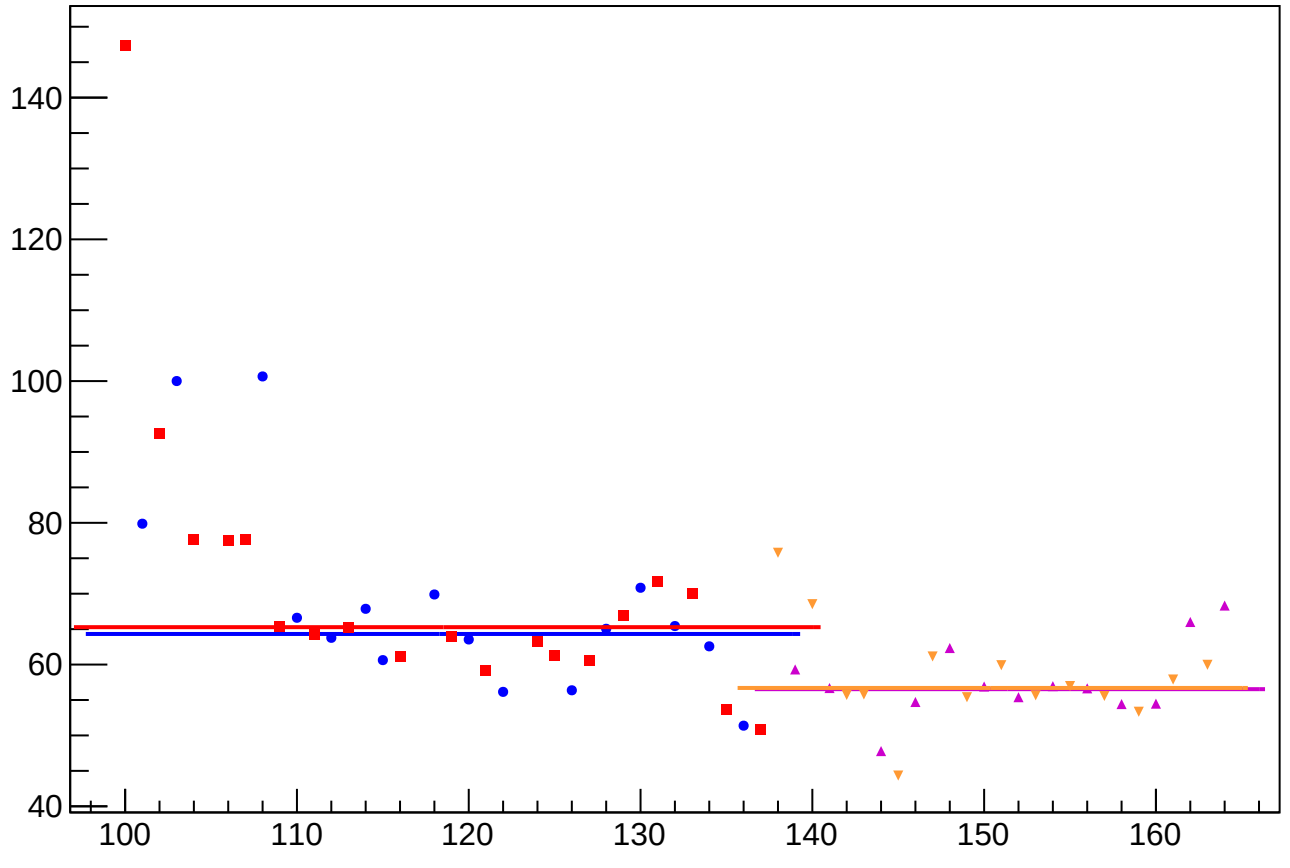
Left: -10.909+/-12.210 χ^2/NDF: 26.2/26

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 6.163+/-14.158 χ^2/NDF:33.1/28

Out: -0.022+/-14.035 χ^2/NDF:36.0/32

All: 3.044+/-9.968 χ^2/NDF: 69.2/61



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.700+/-0.012 χ^2/NDF:294390.5/13

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 56.529+/-0.012 χ^2/NDF:148281.7/12

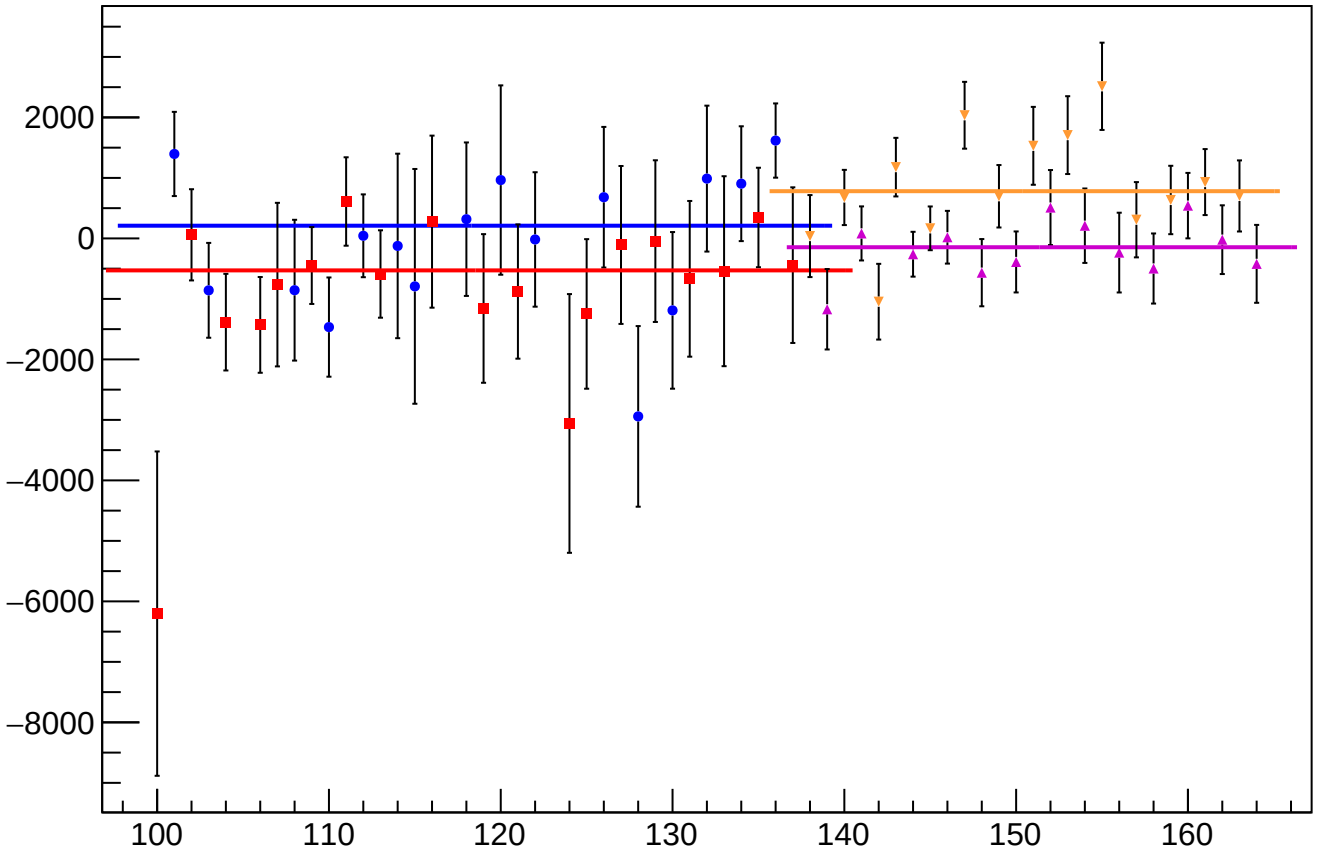
Left: 56.615+/-0.009 χ^2/NDF: 442770.2/26

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 59.131+/-0.010 χ^2/NDF:747870.2/28

Out: 59.556+/-0.010 χ^2/NDF:779413.2/32

All: 59.345+/-0.007 χ^2/NDF: 1528189.9/61



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 780.603+/-145.551 χ^2/NDF:28.5/13

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -145.853+/-146.743 χ^2/NDF:7.4/12

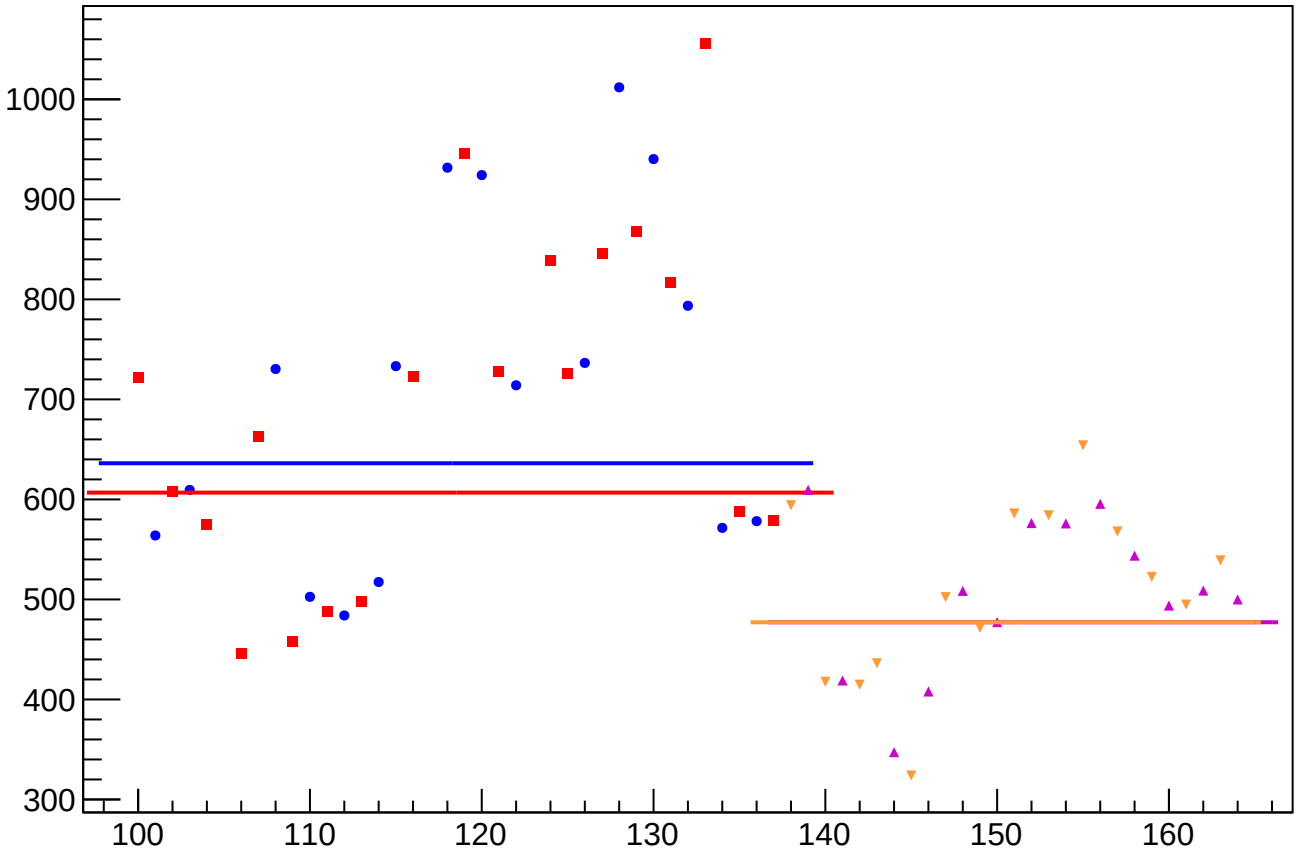
Left: 321.155+/-103.339 χ^2/NDF: 55.9/26

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -51.212+/-125.726 χ^2/NDF:31.4/28

Out: 405.459+/-122.943 χ^2/NDF:65.5/32

All: 182.233+/-87.901 χ^2/NDF: 103.6/61



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 477.128+/-0.103 χ^2/NDF:803894.2/13

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 477.181+/-0.104 χ^2/NDF:620003.5/12

Left: 477.154+/-0.073 χ^2/NDF: 1423897.8/26

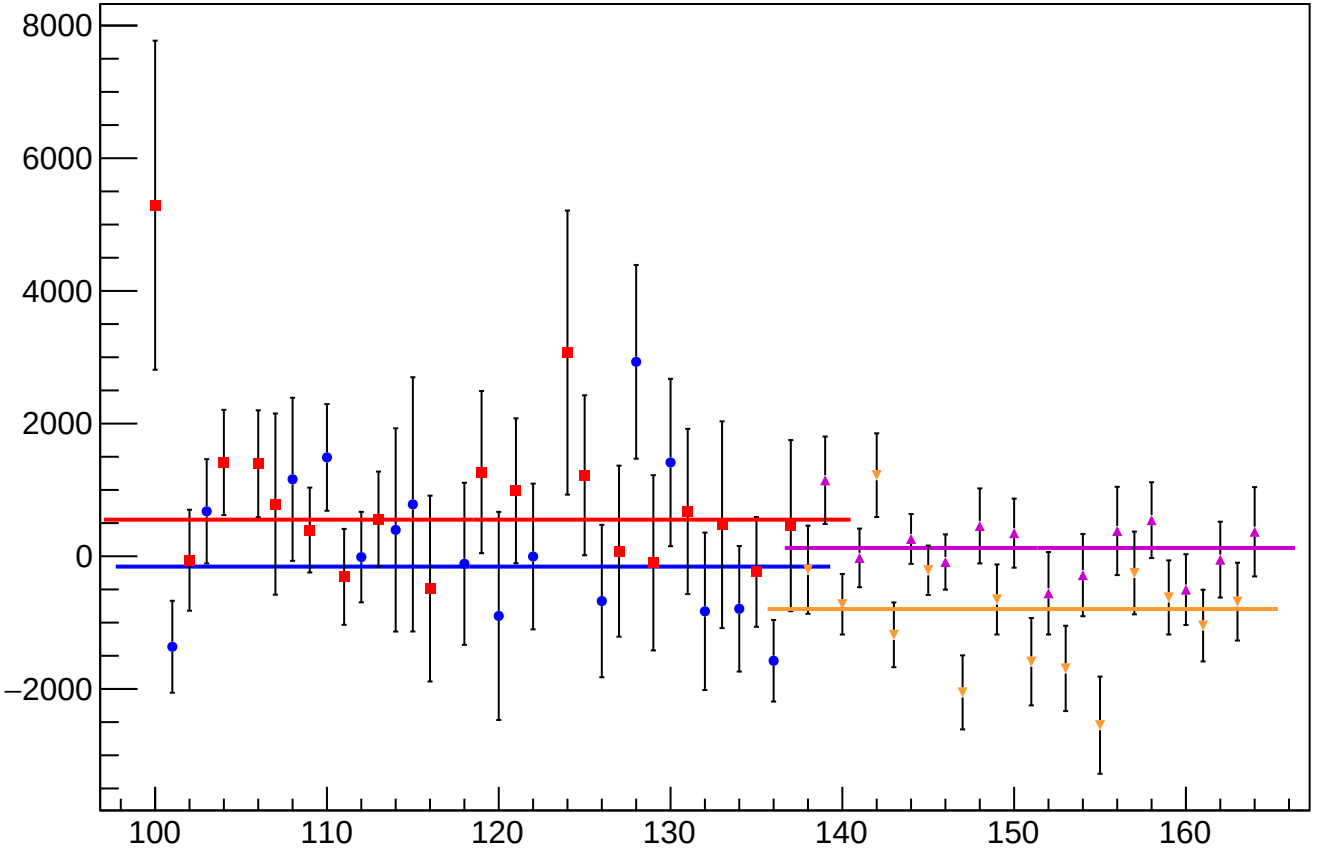
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 519.456+/-0.089 χ^2/NDF:1949399.8/28

Out: 514.284+/-0.087 χ^2/NDF:2152627.8/32

All: 516.812+/-0.062 χ^2/NDF: 4103757.9/61

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -794.999+/-146.678 χ^2/NDF:29.5/13

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 125.550+/-146.860 χ^2/NDF:7.4/12

Left: -335.295+/-103.782 χ^2/NDF: 56.5/26

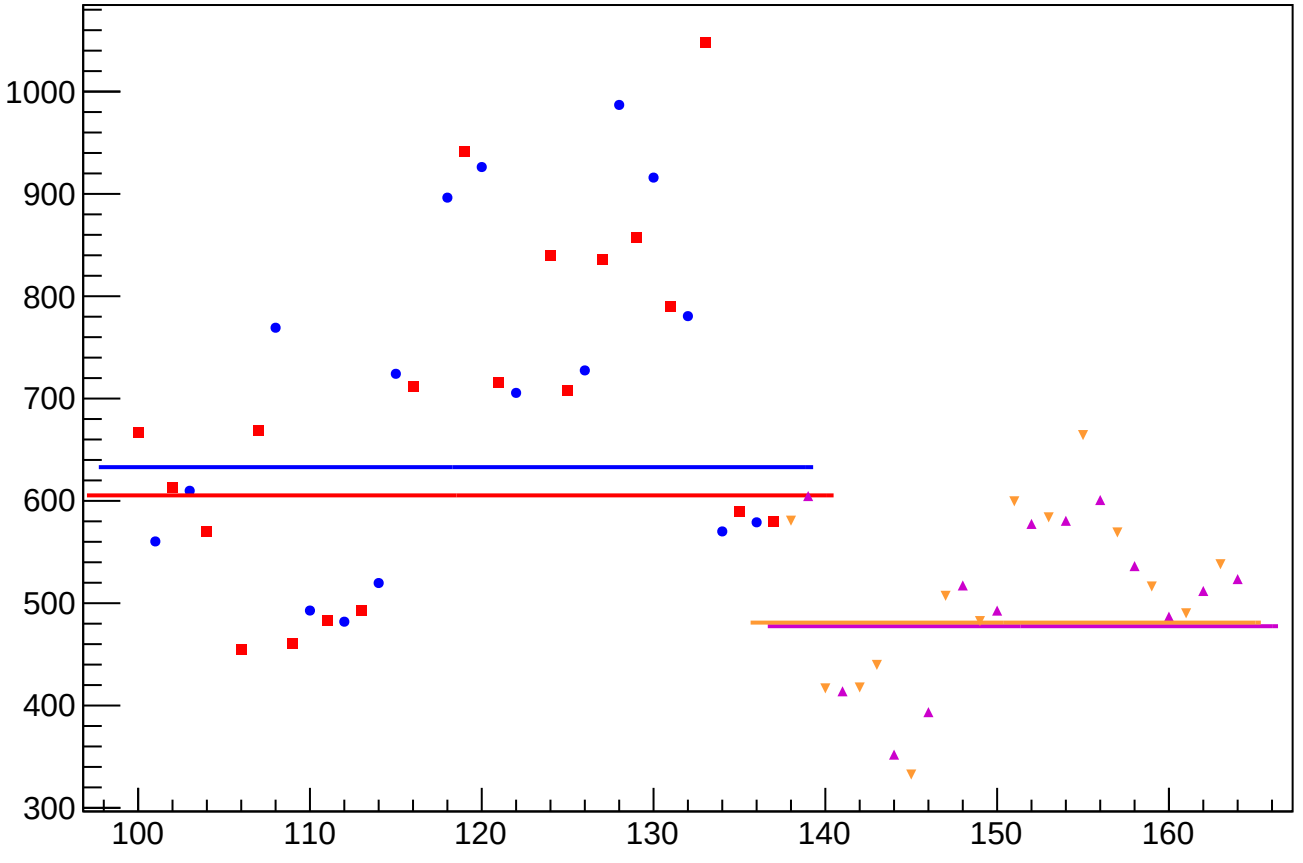
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 50.135+/-125.633 χ^2/NDF:30.8/28

Out: -402.823+/-123.497 χ^2/NDF:66.2/32

All: -180.228+/-88.071 χ^2/NDF: 103.6/61

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 481.048+/-0.104 χ^2/NDF:750284.7/13

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 477.533+/-0.104 χ^2/NDF:645660.2/12

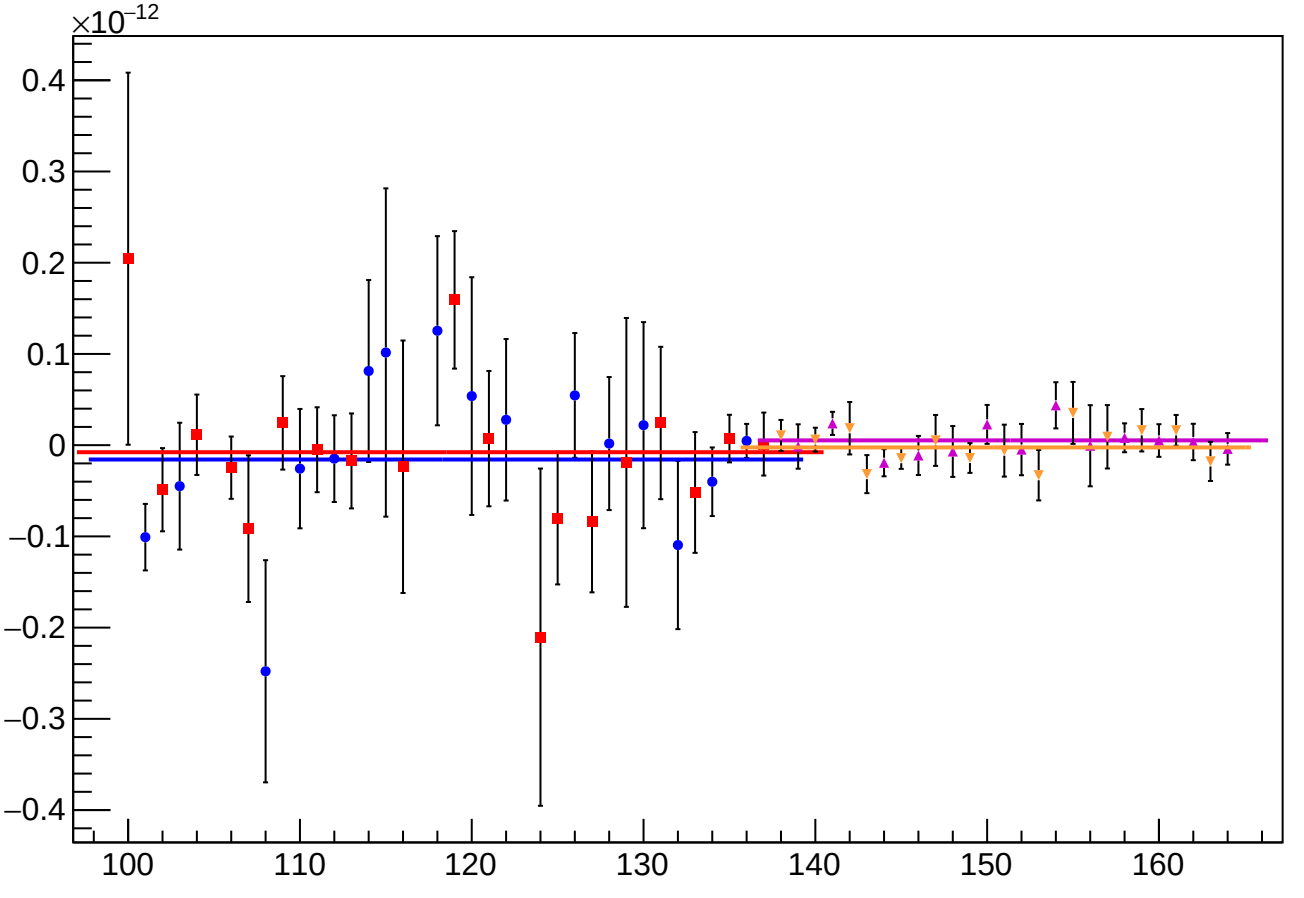
Left: 479.292+/-0.073 χ^2/NDF: 1396518.6/26

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 519.218+/-0.089 χ^2/NDF:1927632.9/28

Out: 517.240+/-0.087 χ^2/NDF:2022565.3/32

All: 518.212+/-0.062 χ^2/NDF: 3950450.4/61



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.2/12

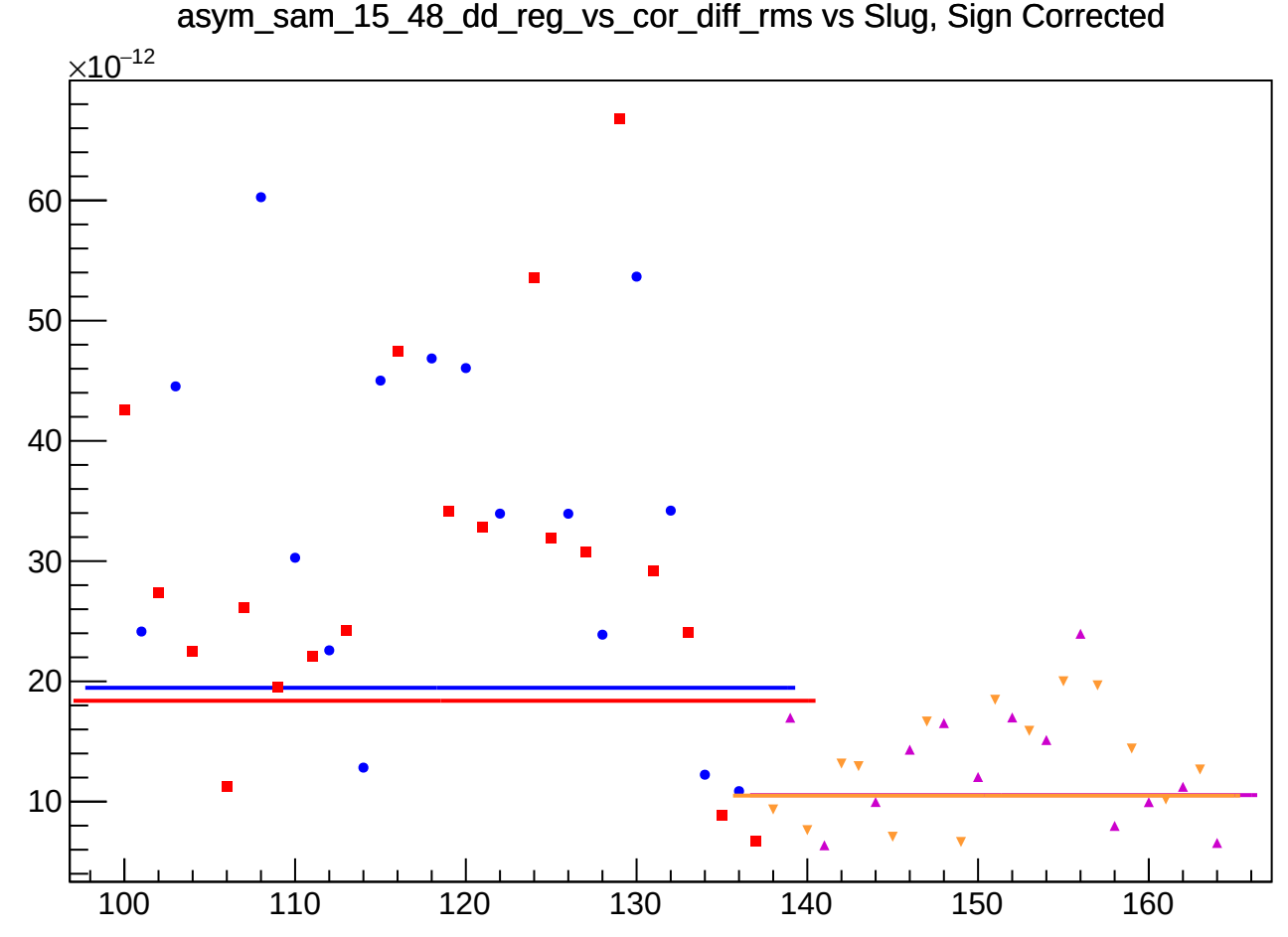
Left: 0.000+/-0.000 χ^2/NDF: 20.4/26

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:28.5/28

Out: -0.000+/-0.000 χ^2/NDF:23.2/32

All: -0.000+/-0.000 χ^2/NDF: 52.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136397.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1040587.2/12

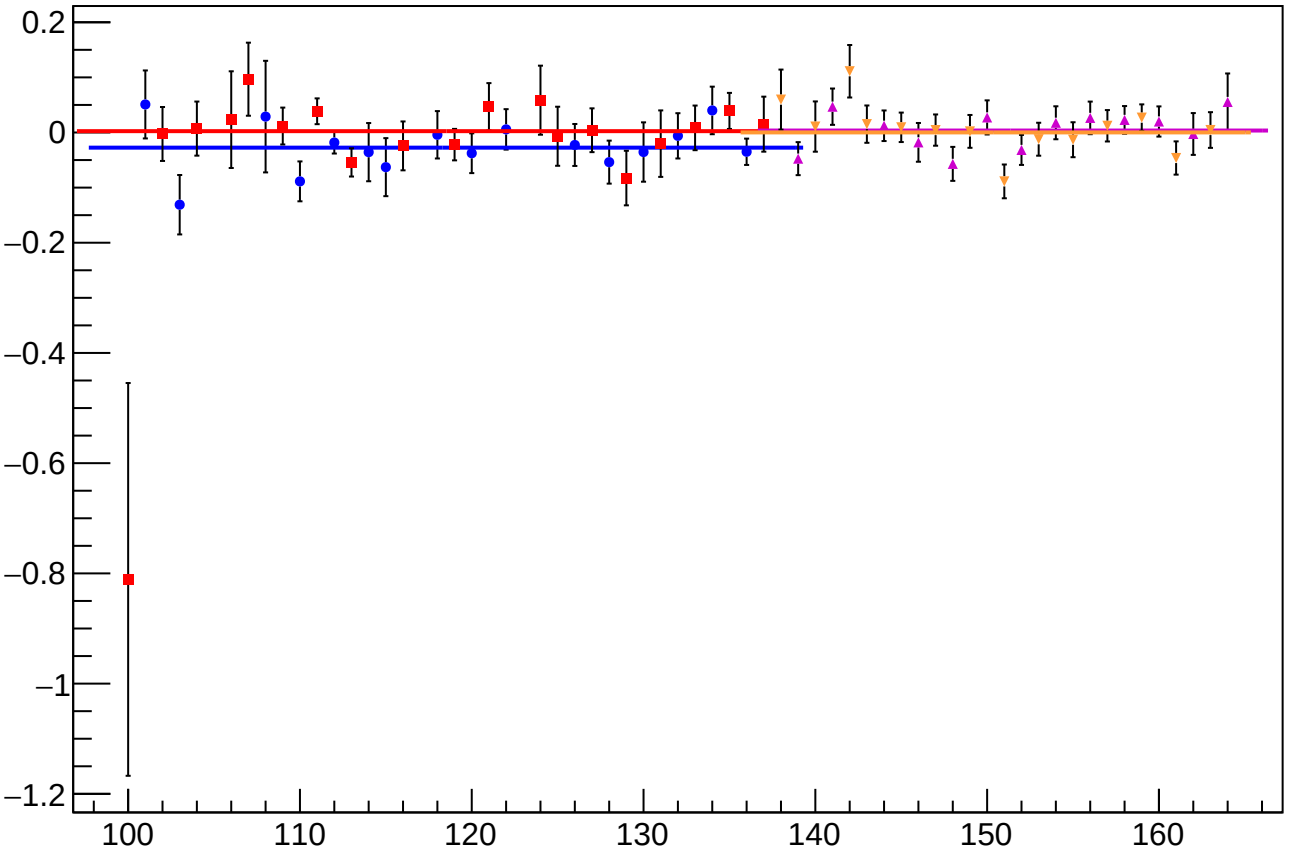
Left: 0.000+/-0.000 χ^2/NDF: 2177044.5/26

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:3623507.6/28

Out: 0.000+/-0.000 χ^2/NDF:3291983.6/32

All: 0.000+/-0.000 χ^2/NDF: 6917156.7/61



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.008 χ^2/NDF:19.6/13

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.009 χ^2/NDF:14.0/12

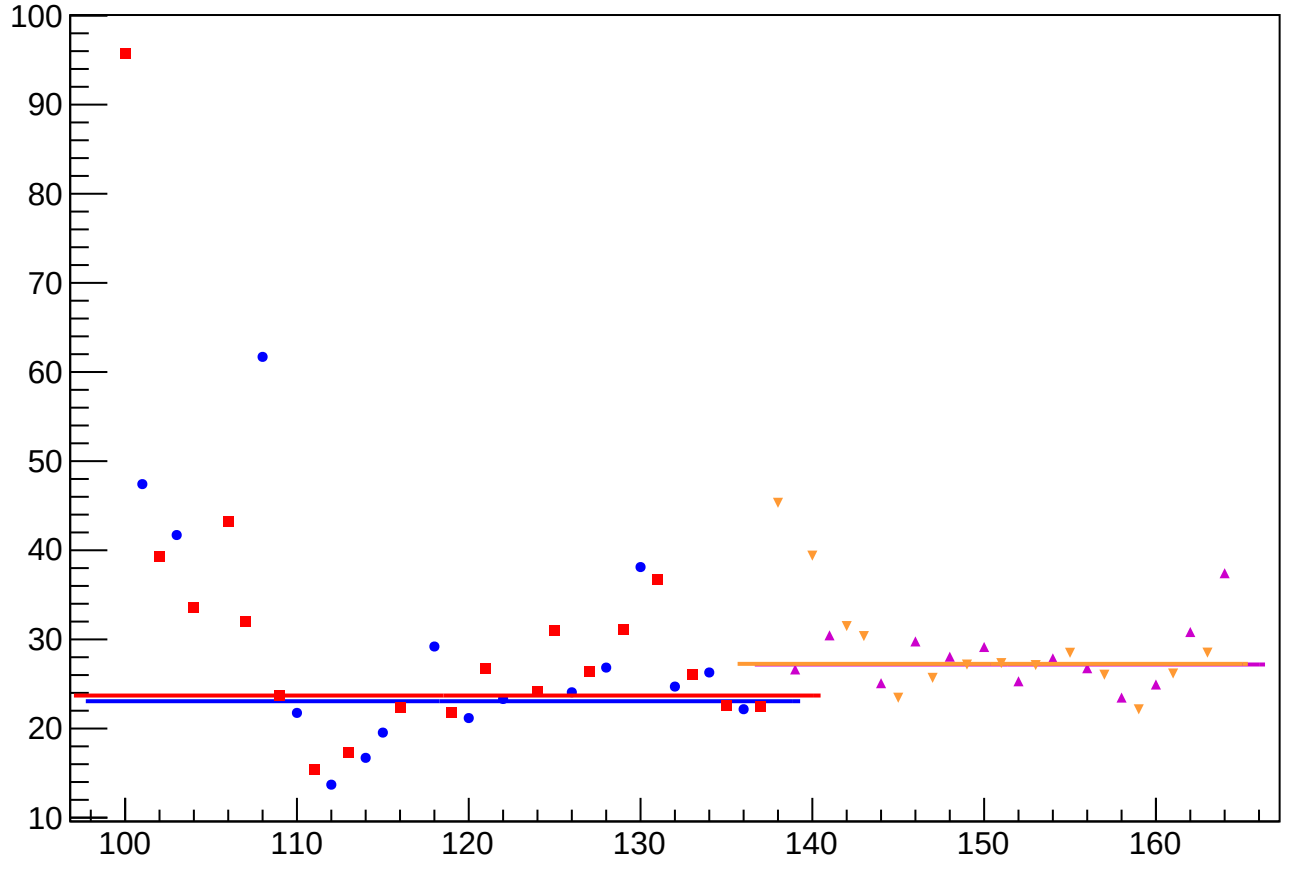
Left: 0.002+/-0.006 χ^2/NDF: 33.7/26

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.010+/-0.006 χ^2/NDF:33.7/28

Out: 0.001+/-0.006 χ^2/NDF:41.7/32

All: -0.005+/-0.004 χ^2/NDF: 77.1/61



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.257+/-0.006 χ^2/NDF:543087.1/13

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.185+/-0.006 χ^2/NDF:217289.0/12

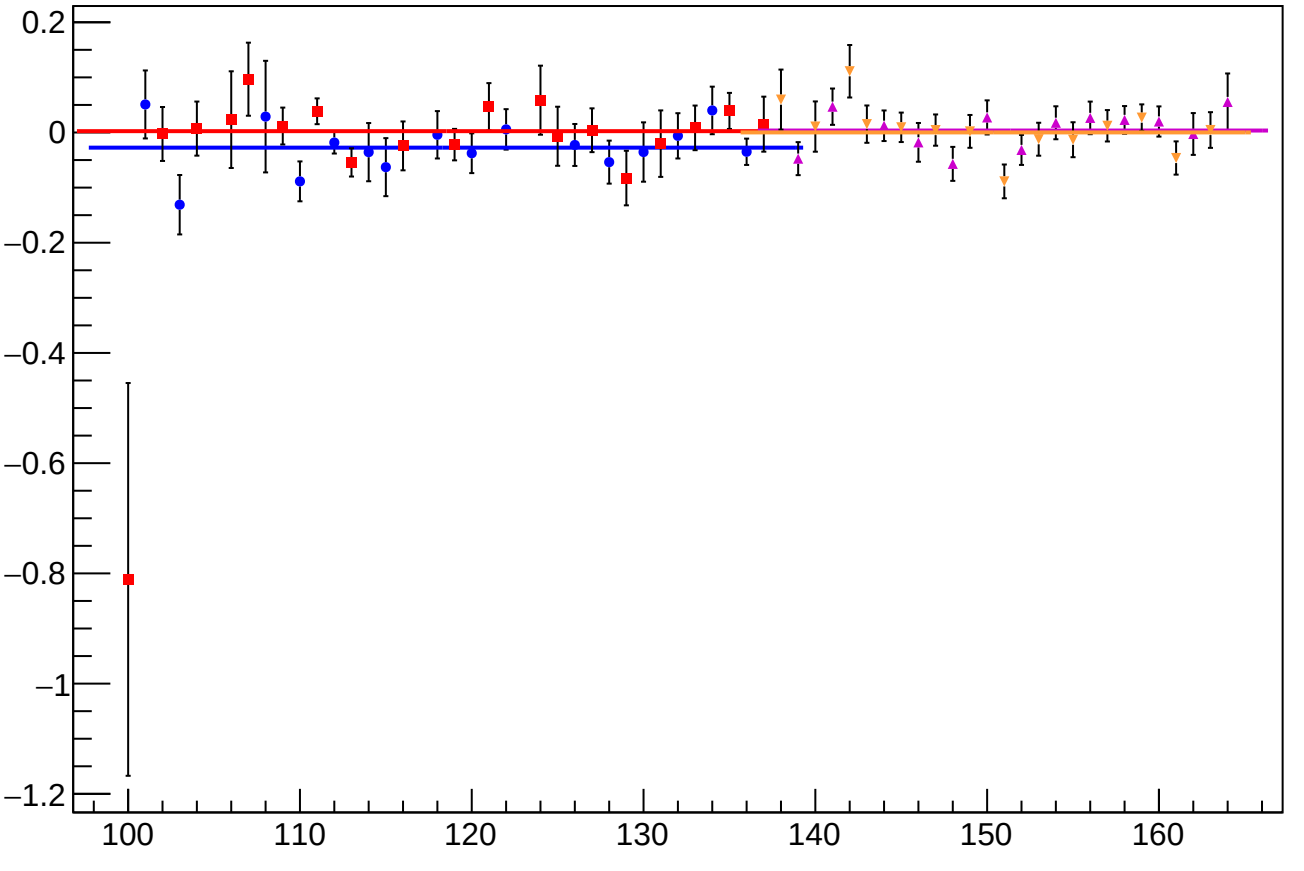
Left: 27.222+/-0.004 χ^2/NDF: 760447.5/26

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.330+/-0.004 χ^2/NDF:1993212.7/28

Out: 25.653+/-0.004 χ^2/NDF:1792219.6/32

All: 25.493+/-0.003 χ^2/NDF: 3788081.9/61



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.008 χ^2/NDF:19.6/13

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.009 χ^2/NDF:14.0/12

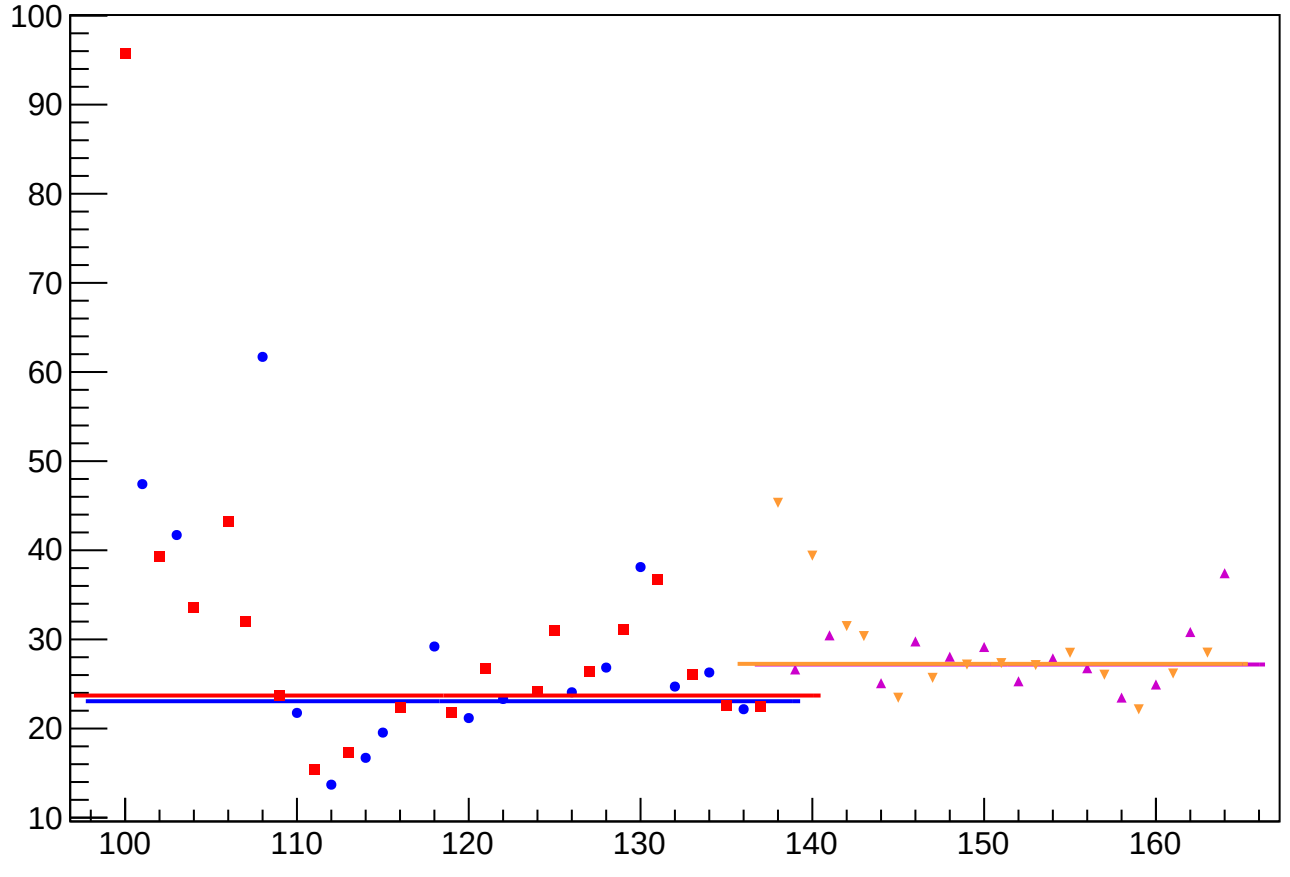
Left: 0.002+/-0.006 χ^2/NDF: 33.7/26

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.010+/-0.006 χ^2/NDF:33.7/28

Out: 0.001+/-0.006 χ^2/NDF:41.7/32

All: -0.005+/-0.004 χ^2/NDF: 77.1/61



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.257+/-0.006 χ^2/NDF:543087.1/13

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.185+/-0.006 χ^2/NDF:217289.0/12

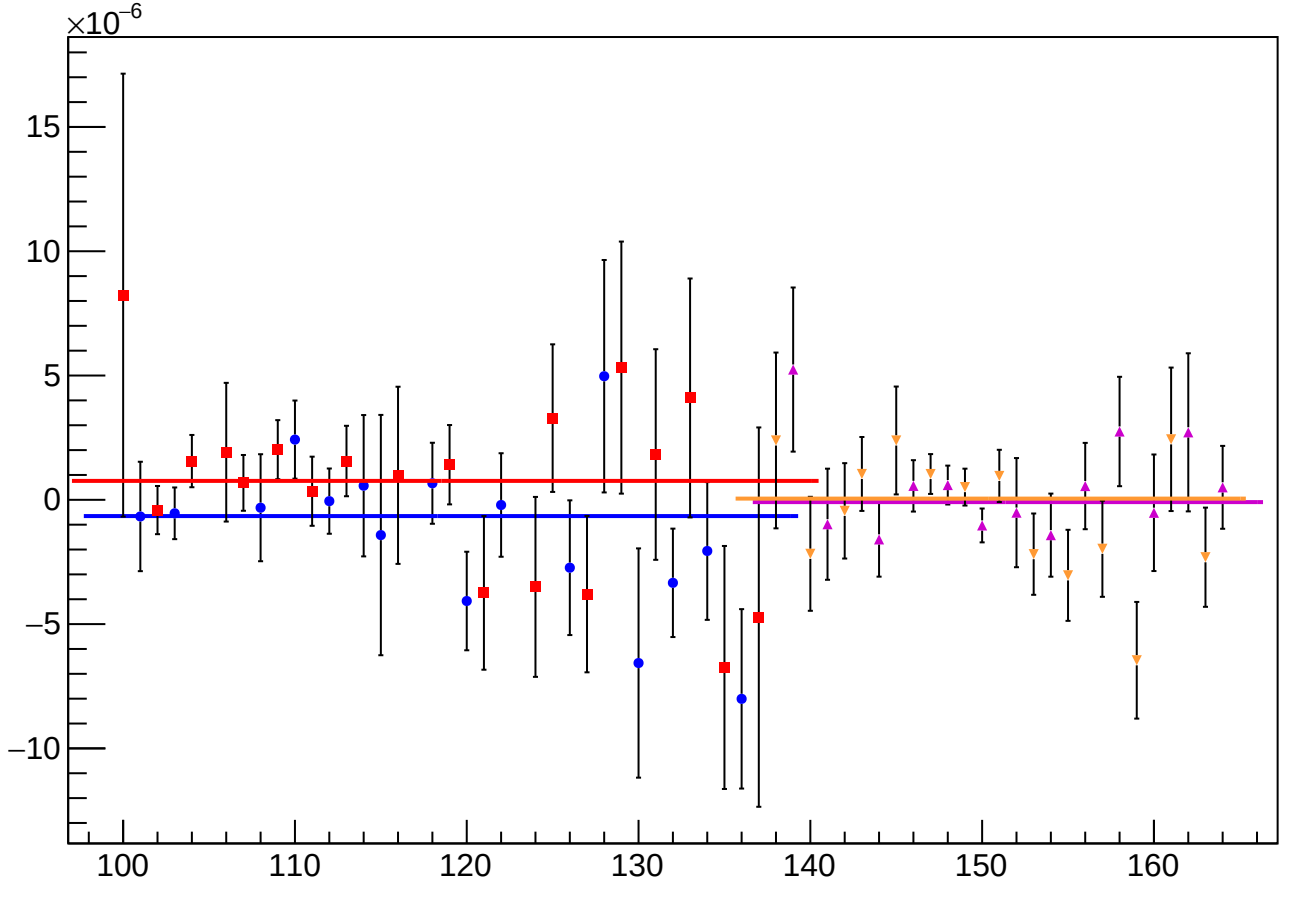
Left: 27.222+/-0.004 χ^2/NDF: 760447.5/26

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.330+/-0.004 χ^2/NDF:1993212.7/28

Out: 25.653+/-0.004 χ^2/NDF:1792219.6/32

All: 25.493+/-0.003 χ^2/NDF: 3788081.9/61



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/12

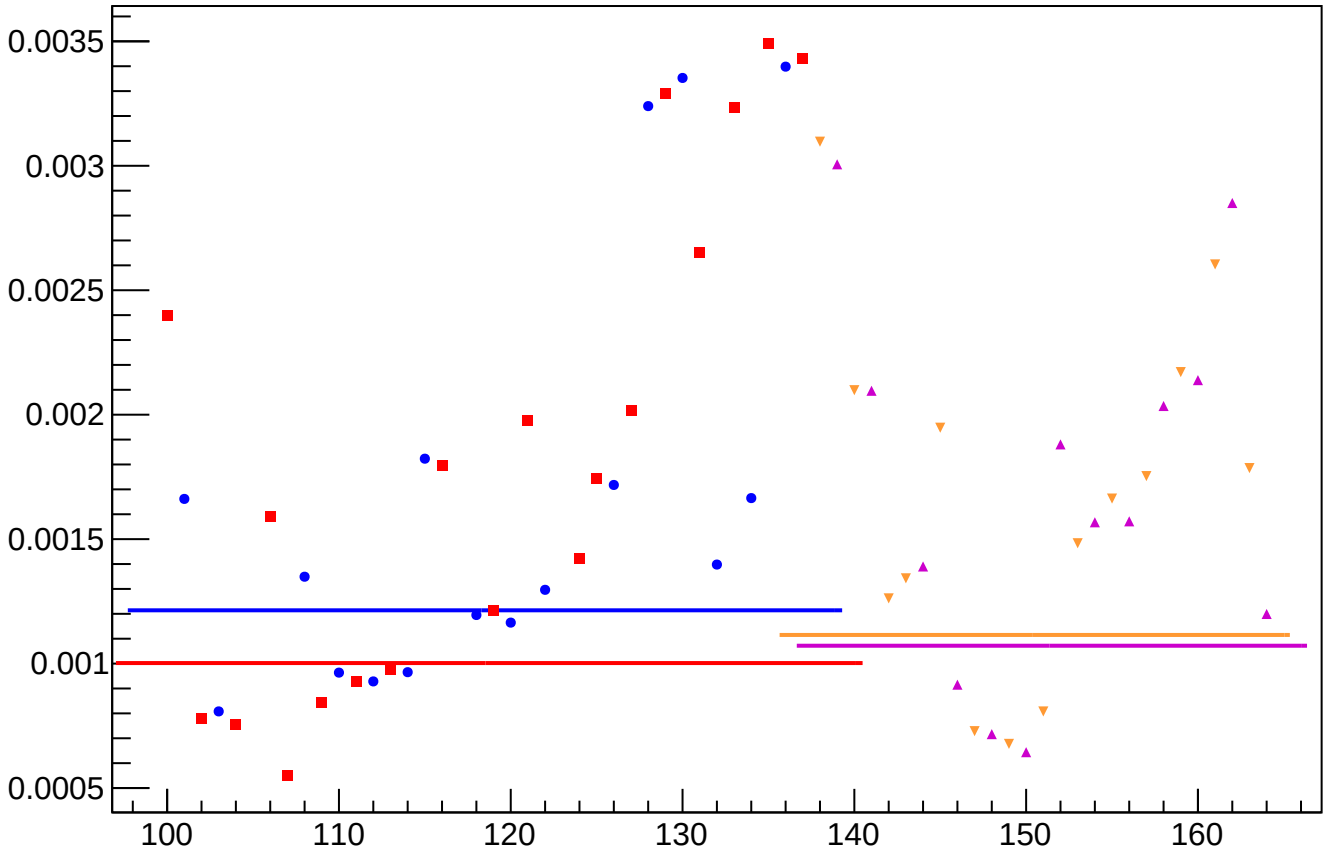
Left: -0.000+/-0.000 χ^2/NDF: 31.6/26

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:28.6/28

Out: 0.000+/-0.000 χ^2/NDF:38.0/32

All: 0.000+/-0.000 χ^2/NDF: 69.3/61



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4342908.0/13

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4492849.6/12

Left: 0.001+/-0.000 χ^2/NDF: 8849050.6/26

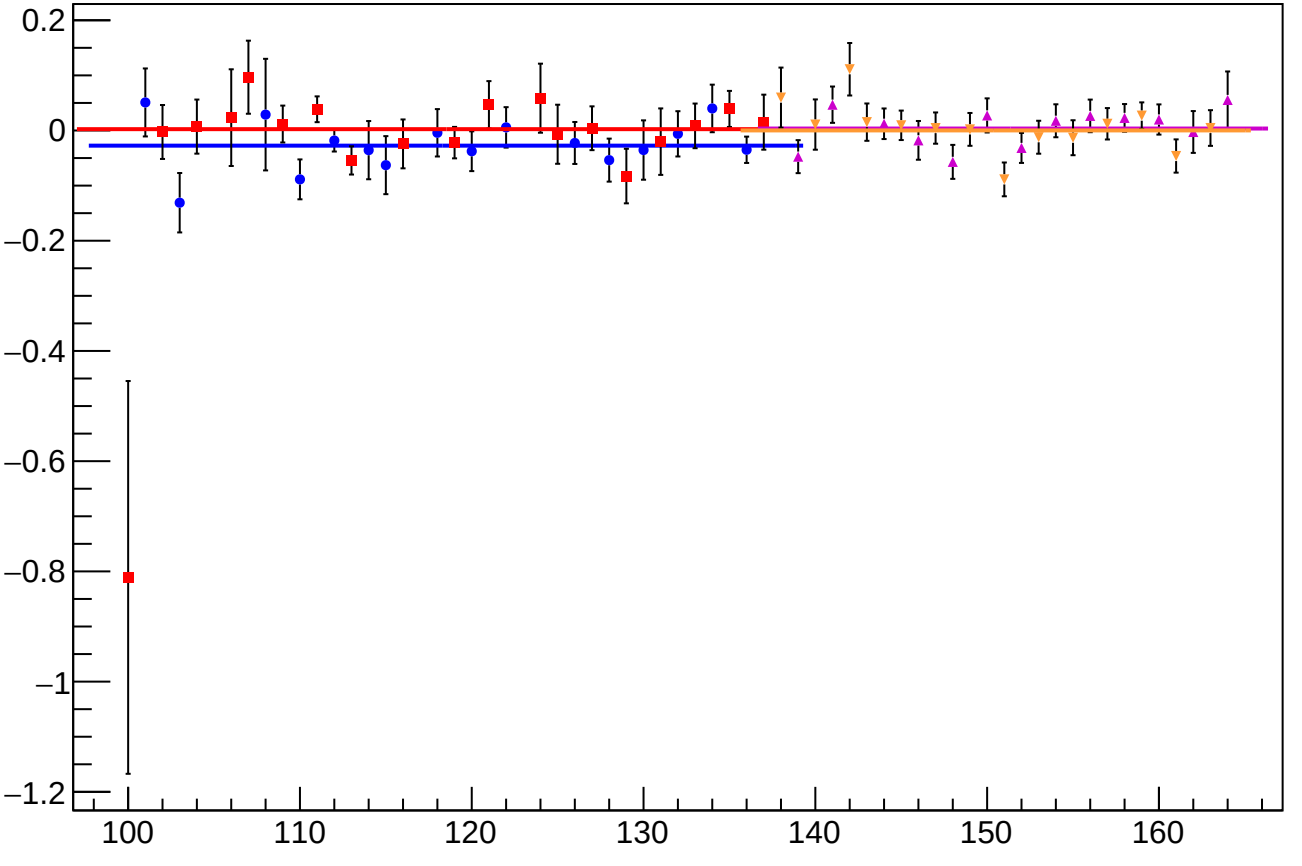
Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:6864538.7/28

Out: 0.001+/-0.000 χ^2/NDF:7700110.4/32

All: 0.001+/-0.000 χ^2/NDF: 14605058.2/61

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.008 χ^2/NDF:19.6/13

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.009 χ^2/NDF:14.0/12

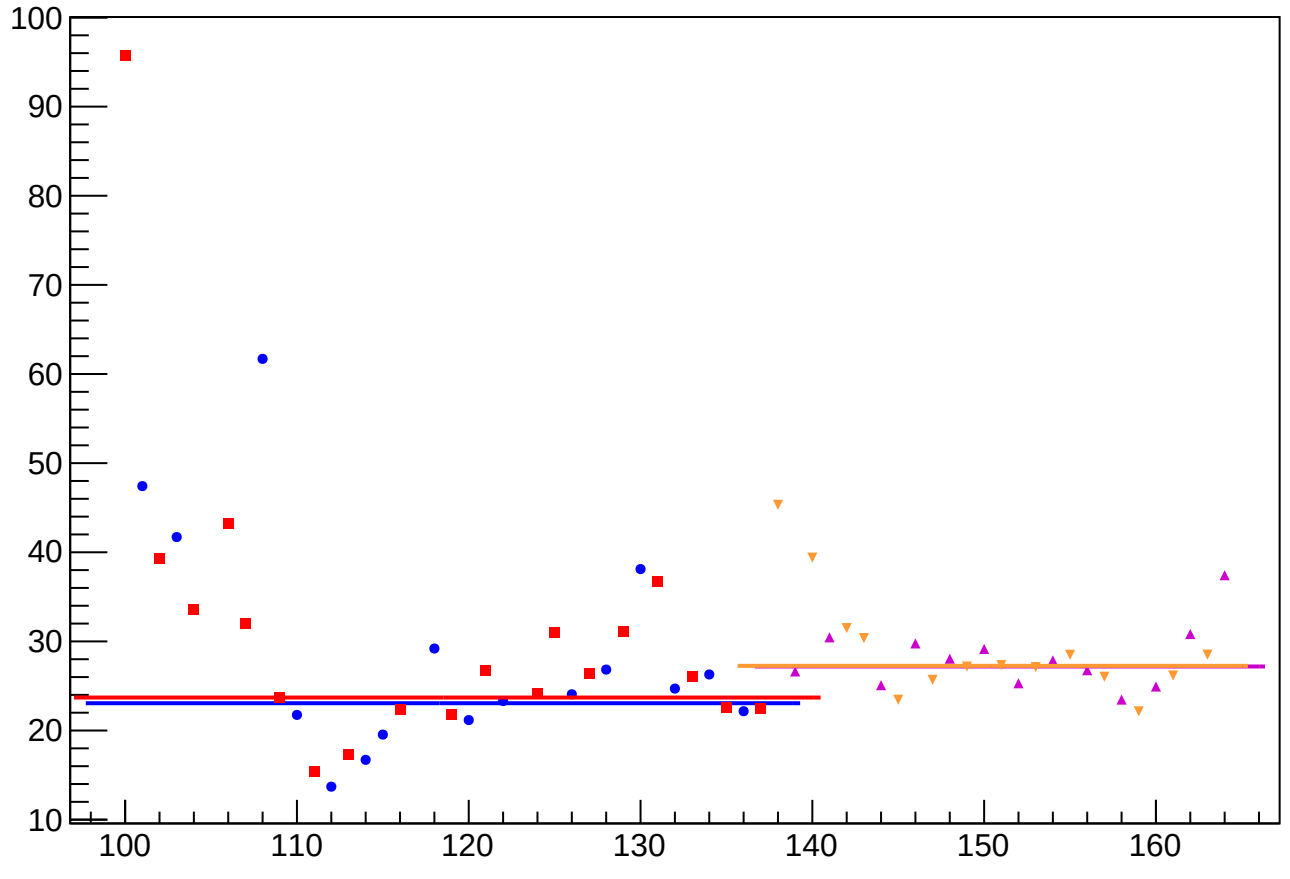
Left: 0.002+/-0.006 χ^2/NDF: 33.7/26

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.010+/-0.006 χ^2/NDF:33.7/28

Out: 0.001+/-0.006 χ^2/NDF:41.7/32

All: -0.005+/-0.004 χ^2/NDF: 77.1/61



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.257+/-0.006 χ^2/NDF:543043.5/13

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.186+/-0.006 χ^2/NDF:217285.7/12

Left: 27.222+/-0.004 χ^2/NDF: 760400.7/26

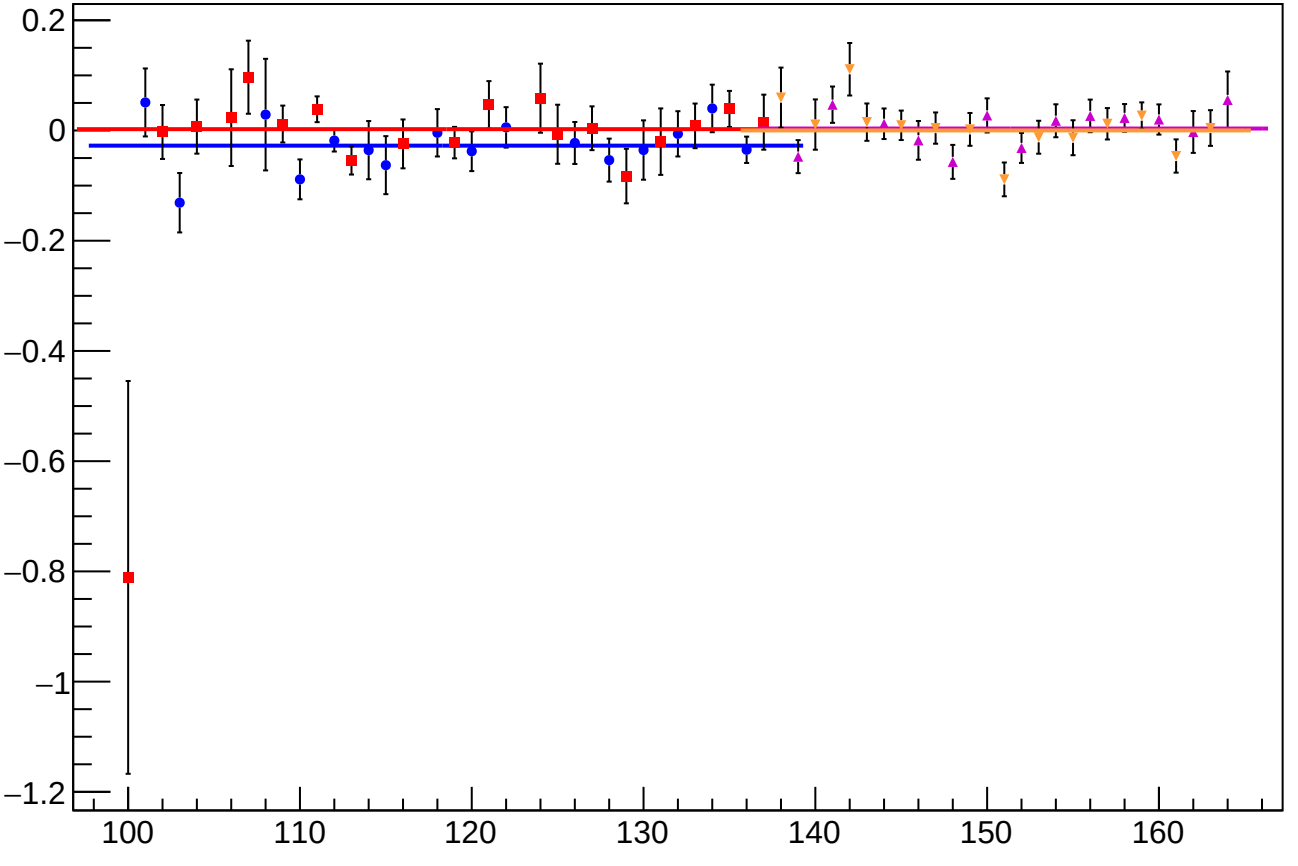
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.330+/-0.004 χ^2/NDF:1993272.4/28

Out: 25.653+/-0.004 χ^2/NDF:1792268.0/32

All: 25.493+/-0.003 χ^2/NDF: 3788190.5/61

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.008 χ^2/NDF:19.6/13

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.004+/-0.009 χ^2/NDF:14.0/12

Left: 0.002+/-0.006 χ^2/NDF: 33.7/26

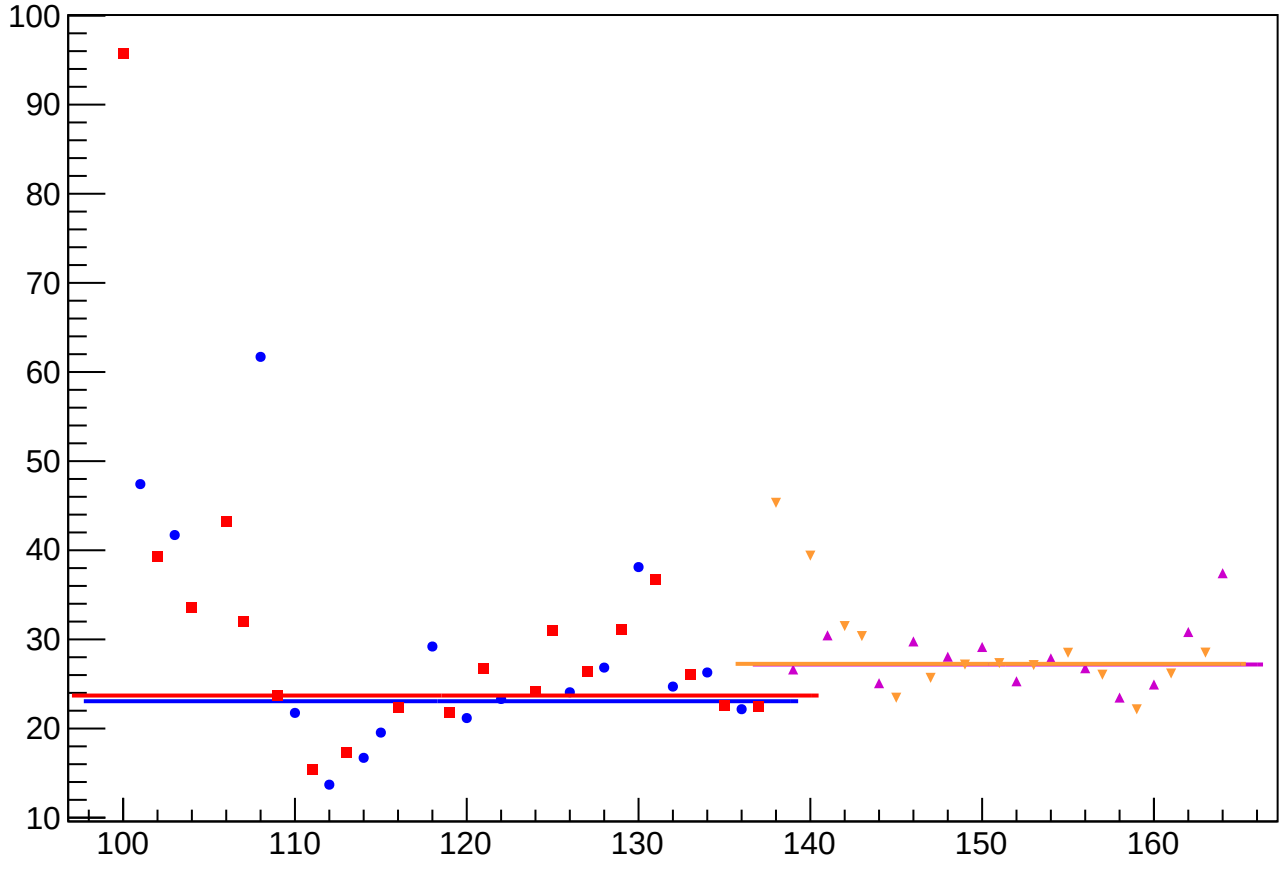
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.010+/-0.006 χ^2/NDF:33.7/28

Out: 0.001+/-0.006 χ^2/NDF:41.7/32

All: -0.005+/-0.004 χ^2/NDF: 77.1/61

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.257+/-0.006 χ^2/NDF:543043.5/13

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.186+/-0.006 χ^2/NDF:217285.7/12

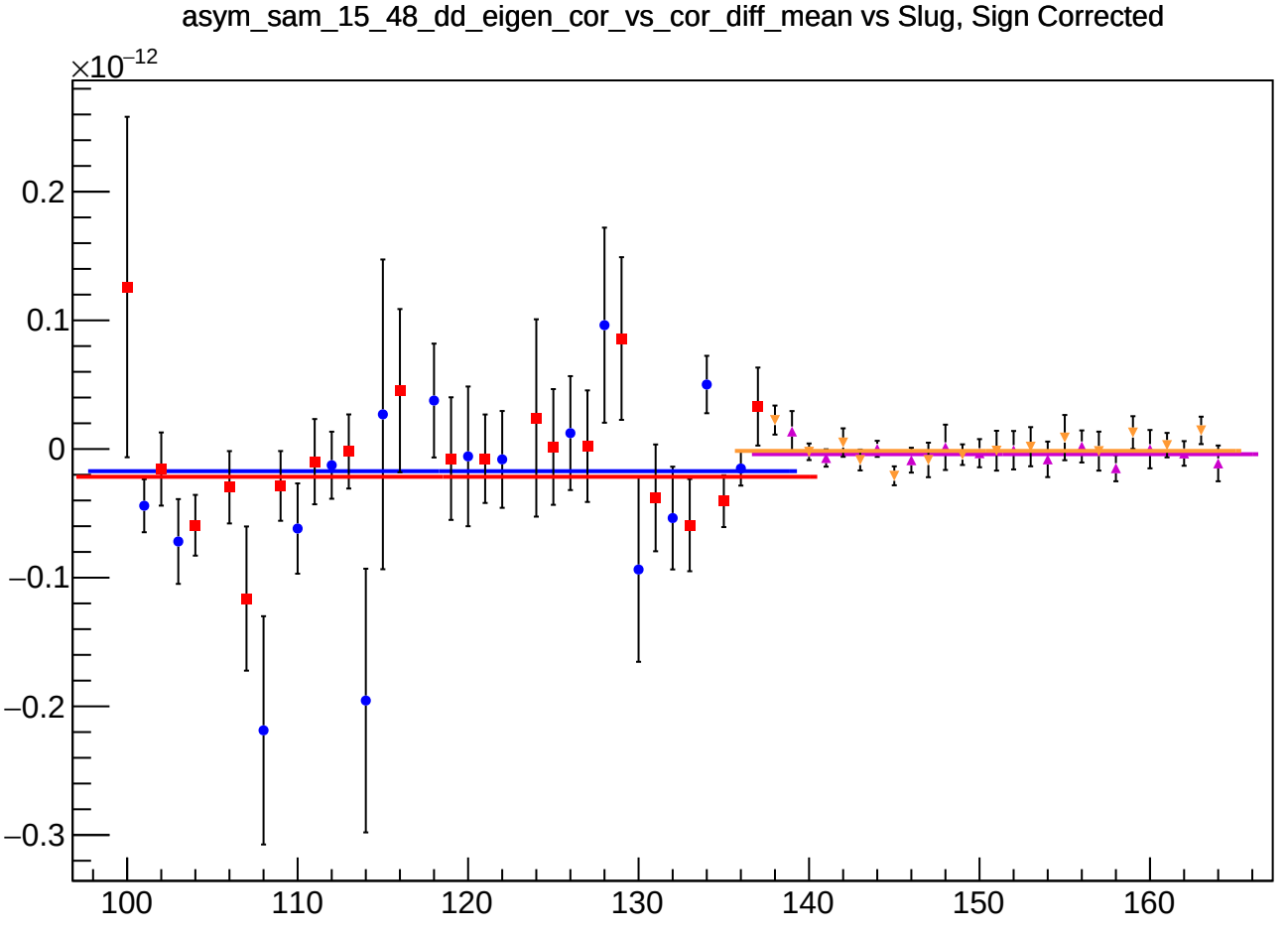
Left: 27.222+/-0.004 χ^2/NDF: 760400.7/26

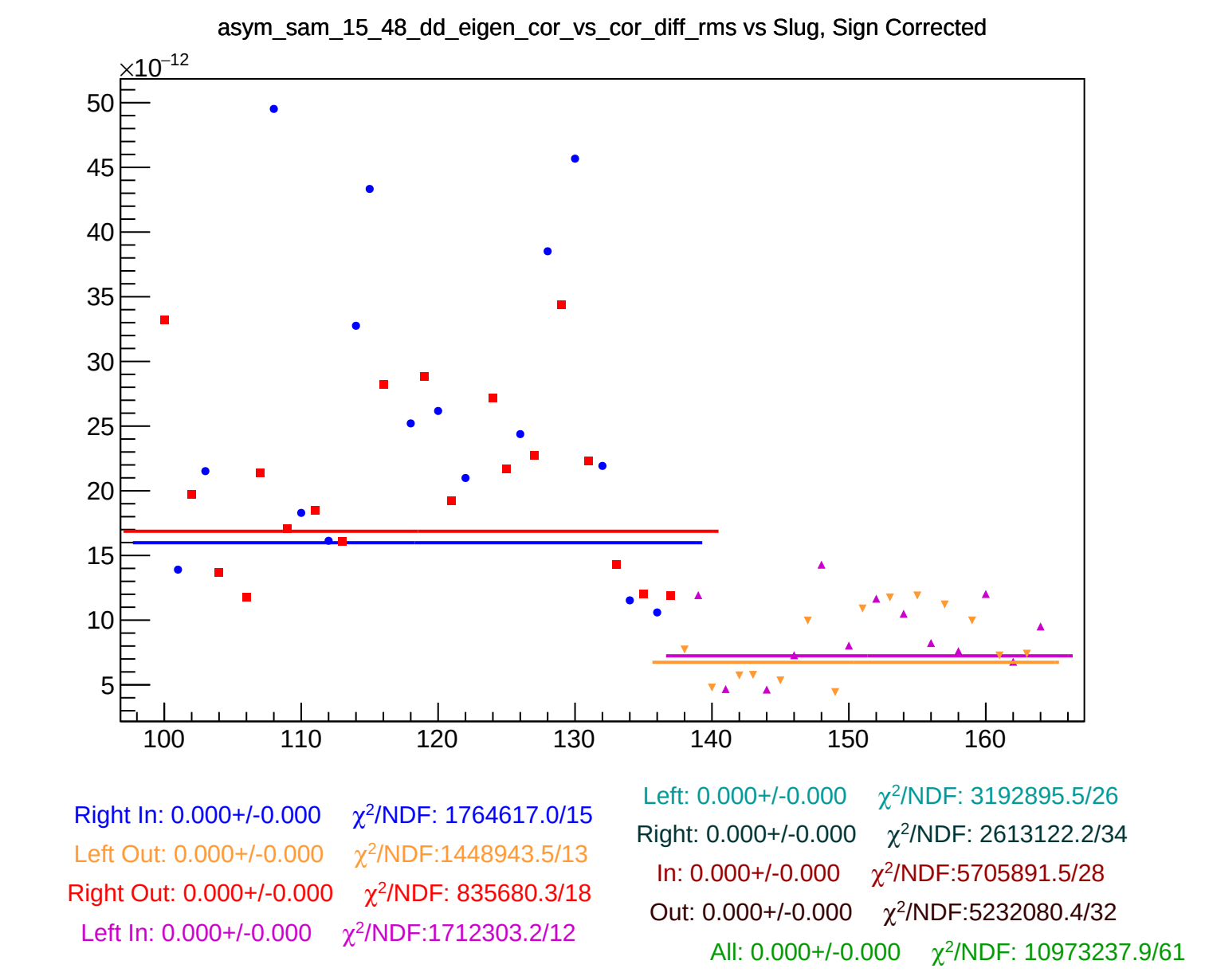
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

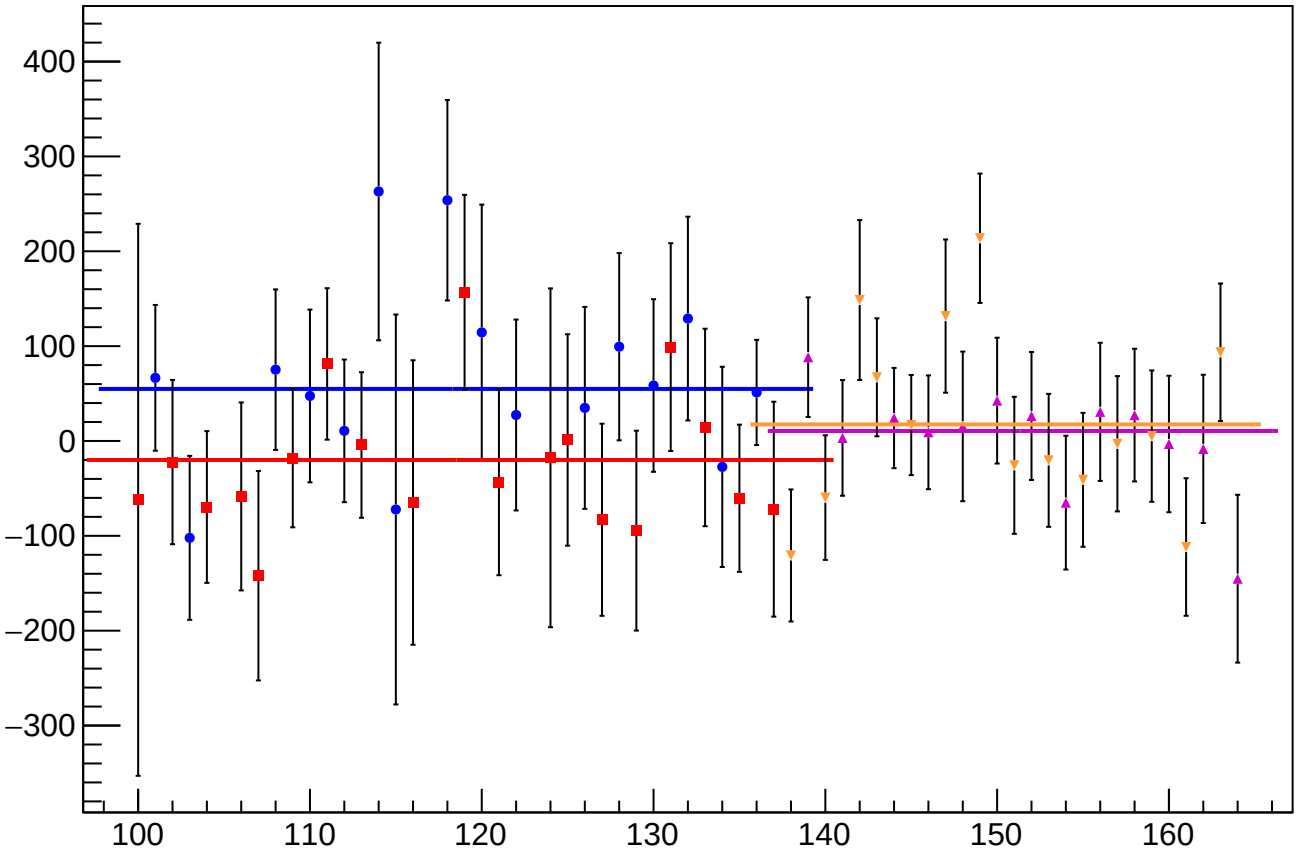
In: 25.330+/-0.004 χ^2/NDF:1993272.4/28

Out: 25.653+/-0.004 χ^2/NDF:1792268.0/32

All: 25.493+/-0.003 χ^2/NDF: 3788190.5/61


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
160
Right In: -0.000+/-0.000 χ²/NDF: 29.9/15
Left Out: -0.000+/-0.000 χ²/NDF:17.1/13
Right Out: -0.000+/-0.000 χ²/NDF: 18.0/18
Left In: -0.000+/-0.000 χ²/NDF:4.0/12
Left: -0.000+/-0.000 χ²/NDF: 21.5/26
Right: -0.000+/-0.000 χ²/NDF: 48.0/34
In: -0.000+/-0.000 χ²/NDF:36.4/28
Out: -0.000+/-0.000 χ²/NDF:40.9/32
All: -0.000+/-0.000 χ²/NDF: 77.6/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1448943.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:1712303.2/12
Left: 0.000+/-0.000 χ²/NDF: 3192895.5/26
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:5705891.5/28
Out: 0.000+/-0.000 χ²/NDF:5232080.4/32
All: 0.000+/-0.000 χ²/NDF: 10973237.9/61



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 17.467+/-18.423 χ^2/NDF:24.4/13

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 10.542+/-18.756 χ^2/NDF:6.4/12

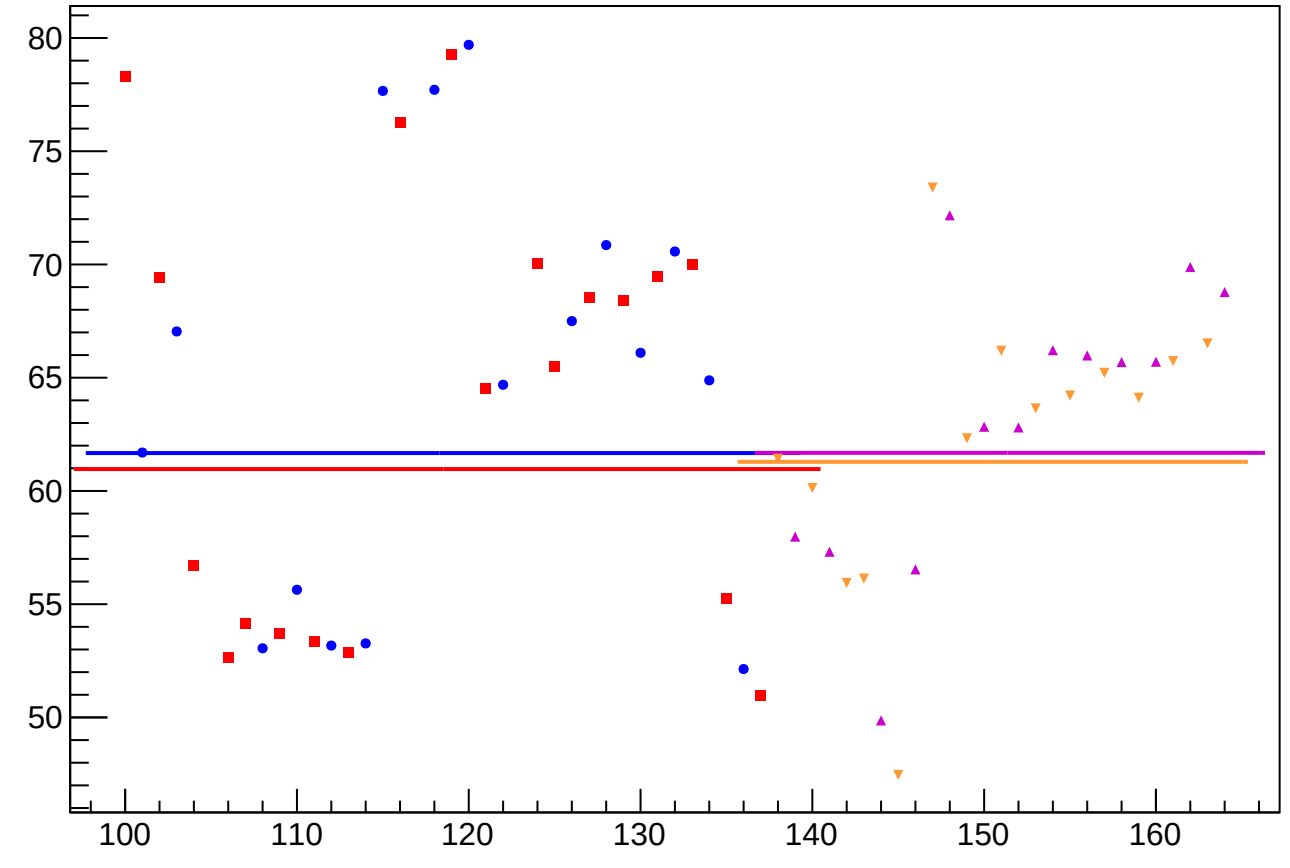
Left: 14.067+/-13.143 χ^2/NDF: 30.8/26

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 28.088+/-14.581 χ^2/NDF:19.6/28

Out: 2.478+/-14.272 χ^2/NDF:35.3/32

All: 15.010+/-10.199 χ^2/NDF: 56.5/61



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.286+/-0.013 χ^2/NDF:247392.3/13

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.683+/-0.013 χ^2/NDF:231352.9/12

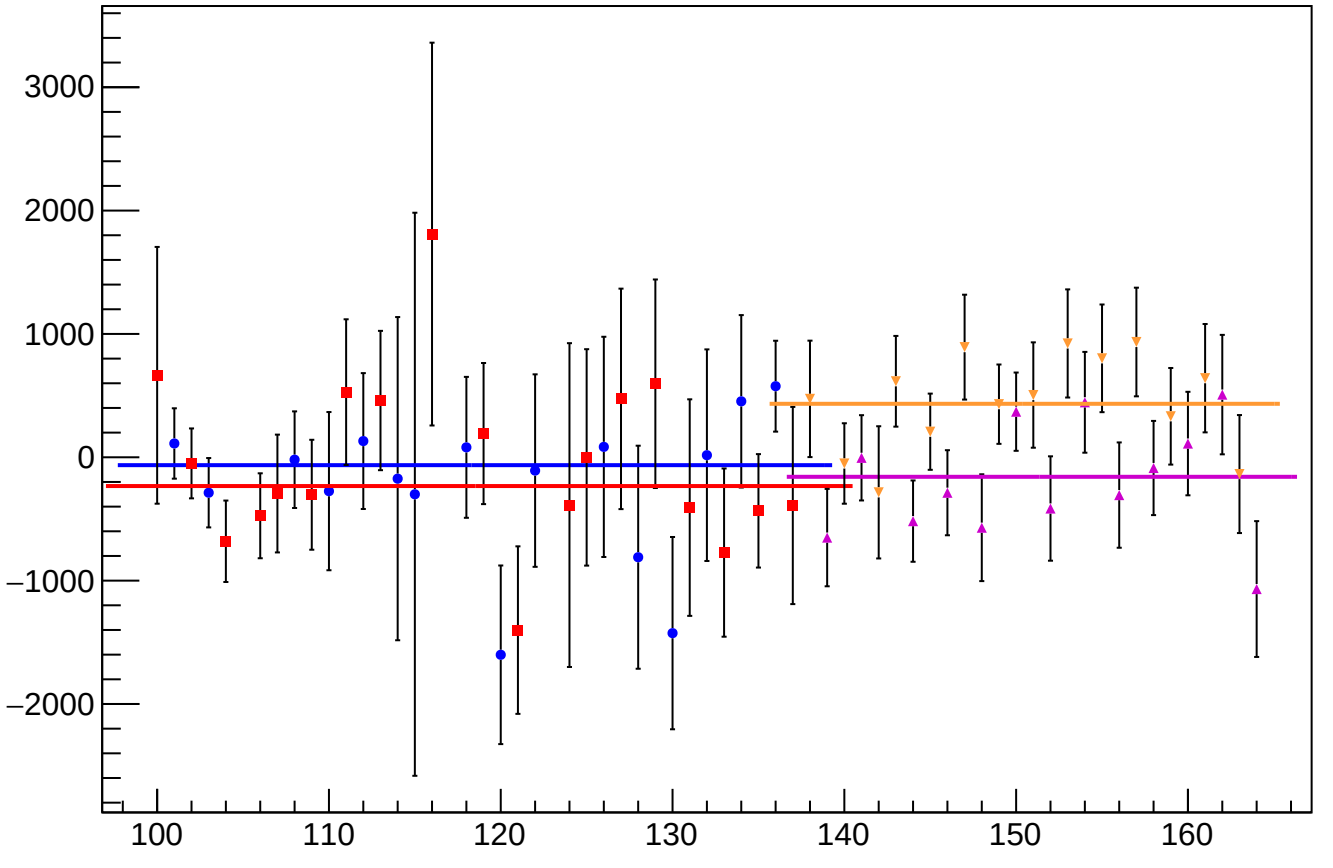
Left: 61.481+/-0.009 χ^2/NDF: 479200.7/26

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.679+/-0.010 χ^2/NDF:498461.2/28

Out: 61.158+/-0.010 χ^2/NDF:531816.1/32

All: 61.413+/-0.007 χ^2/NDF: 1031579.5/61



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 433.599+/-106.836 χ^2/NDF:10.9/13

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -158.230+/-108.566 χ^2/NDF:14.5/12

Left: 142.438+/-76.149 χ^2/NDF: 40.6/26

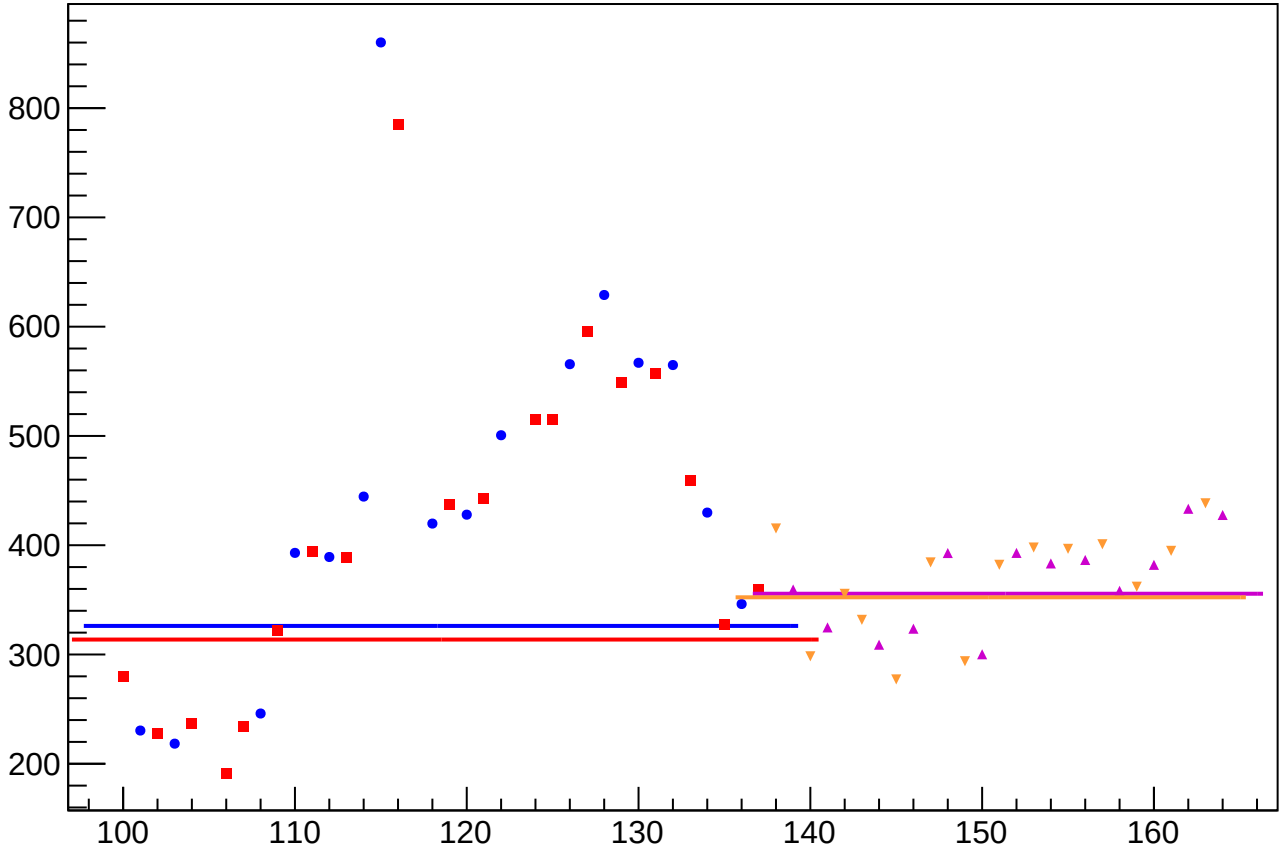
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -119.330+/-83.243 χ^2/NDF:28.0/28

Out: 146.304+/-80.599 χ^2/NDF:42.2/32

All: 17.773+/-57.905 χ^2/NDF: 75.5/61

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 352.329+/-0.076 χ^2/NDF:453574.9/13

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 355.600+/-0.077 χ^2/NDF:278403.2/12

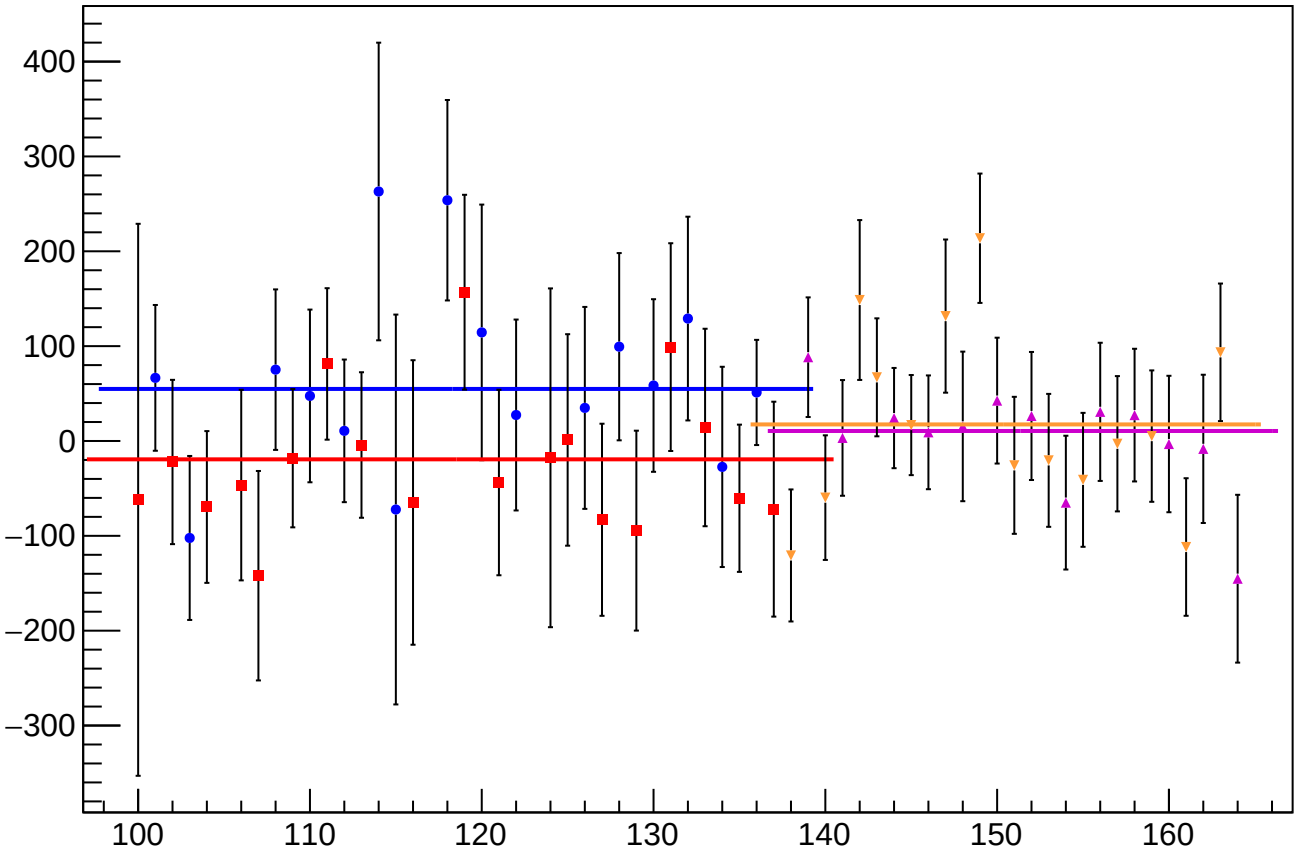
Left: 353.938+/-0.054 χ^2/NDF: 732900.6/26

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 343.463+/-0.059 χ^2/NDF:2073057.1/28

Out: 335.674+/-0.057 χ^2/NDF:2353740.3/32

All: 339.443+/-0.041 χ^2/NDF: 4435836.1/61



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 17.466+/-18.423 χ^2/NDF:24.4/13

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 10.541+/-18.756 χ^2/NDF:6.4/12

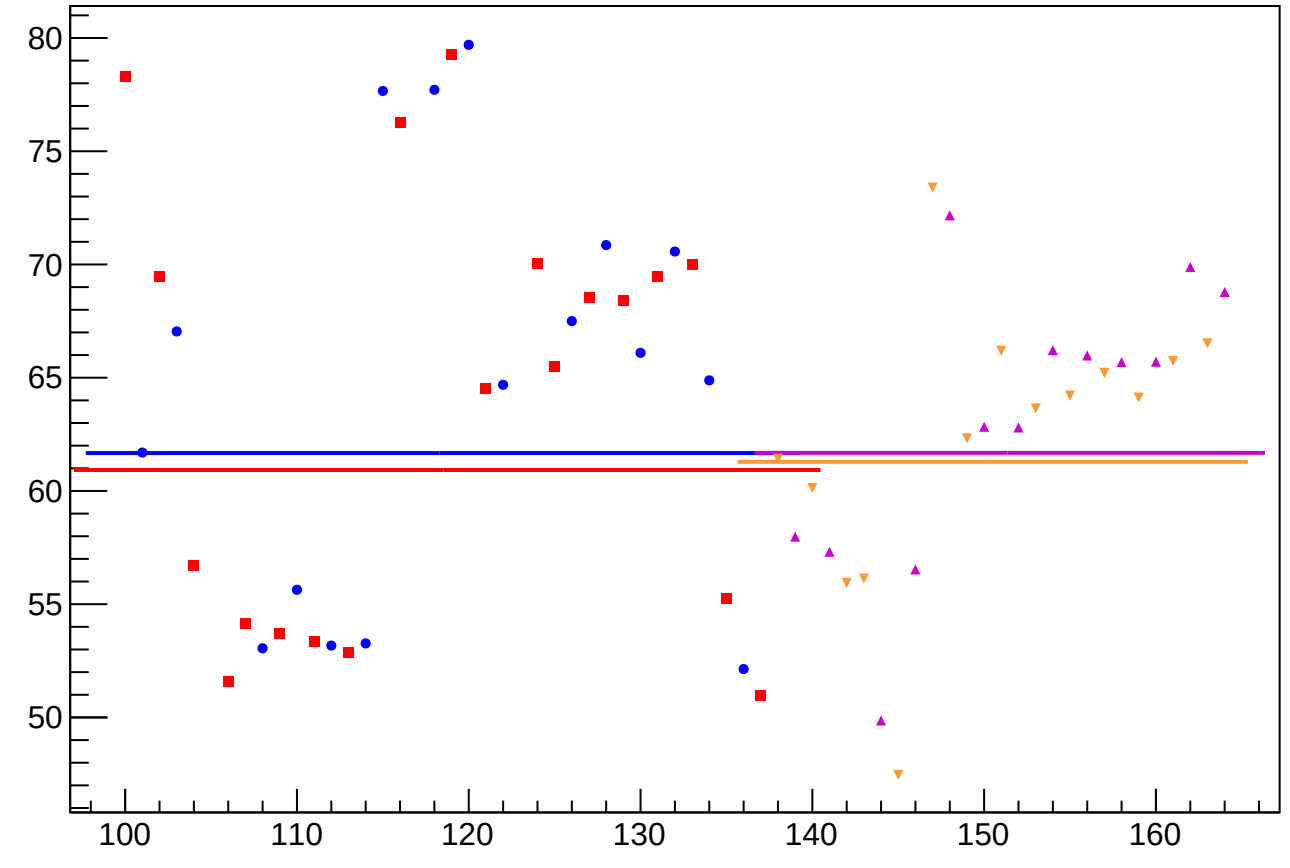
Left: 14.066+/-13.143 χ^2/NDF: 30.8/26

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 28.085+/-14.581 χ^2/NDF:19.6/28

Out: 2.757+/-14.276 χ^2/NDF:35.1/32

All: 15.154+/-10.201 χ^2/NDF: 56.3/61



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.286+/-0.013 χ^2/NDF:247392.3/13

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.683+/-0.013 χ^2/NDF:231352.9/12

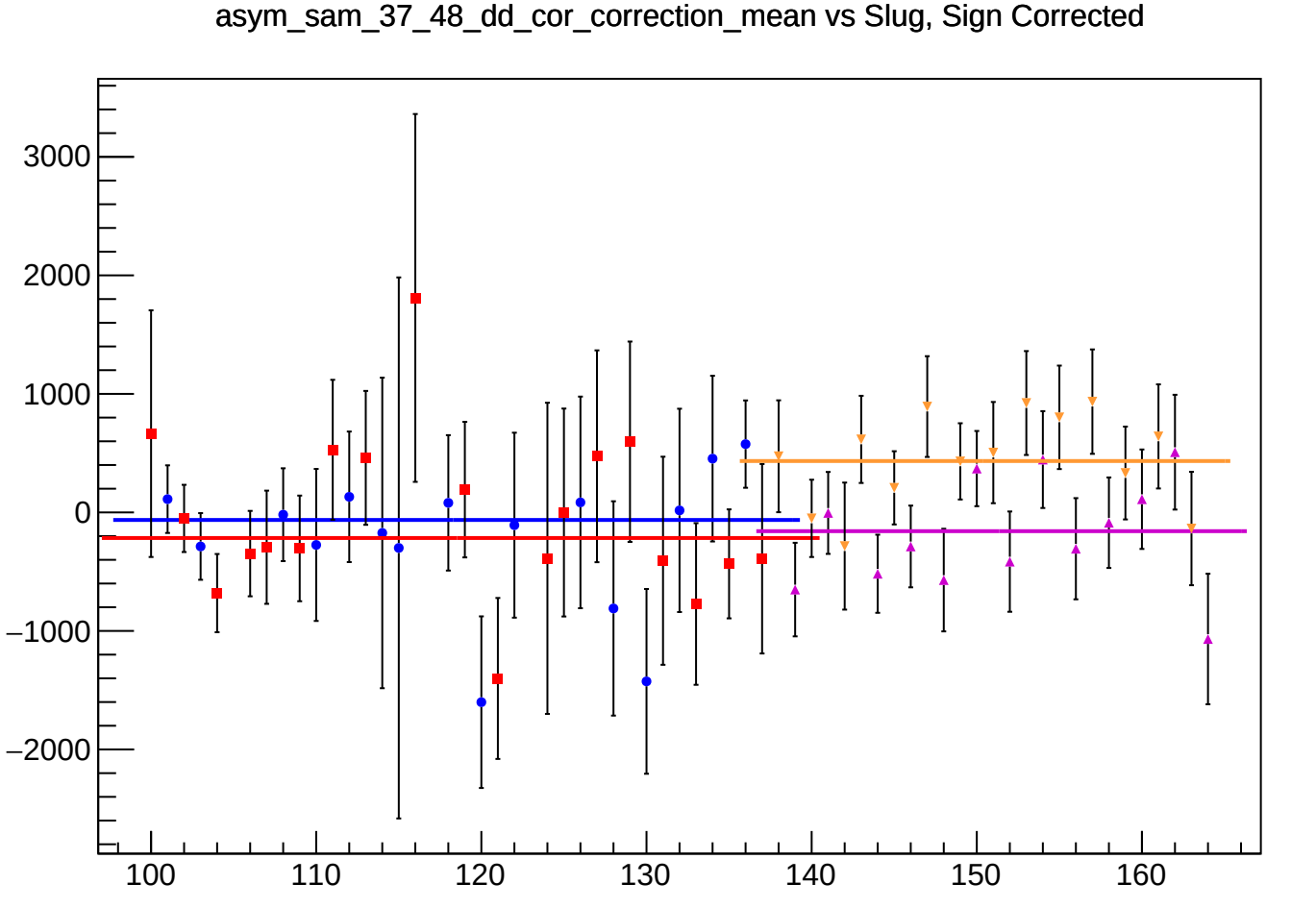
Left: 61.481+/-0.009 χ^2/NDF: 479200.7/26

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.679+/-0.010 χ^2/NDF:498461.4/28

Out: 61.142+/-0.010 χ^2/NDF:535277.5/32

All: 61.405+/-0.007 χ^2/NDF: 1035123.0/61



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 433.599+/-106.836 χ^2/NDF:10.9/13

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -158.229+/-108.566 χ^2/NDF:14.5/12

Left: 142.438+/-76.149 χ^2/NDF: 40.6/26

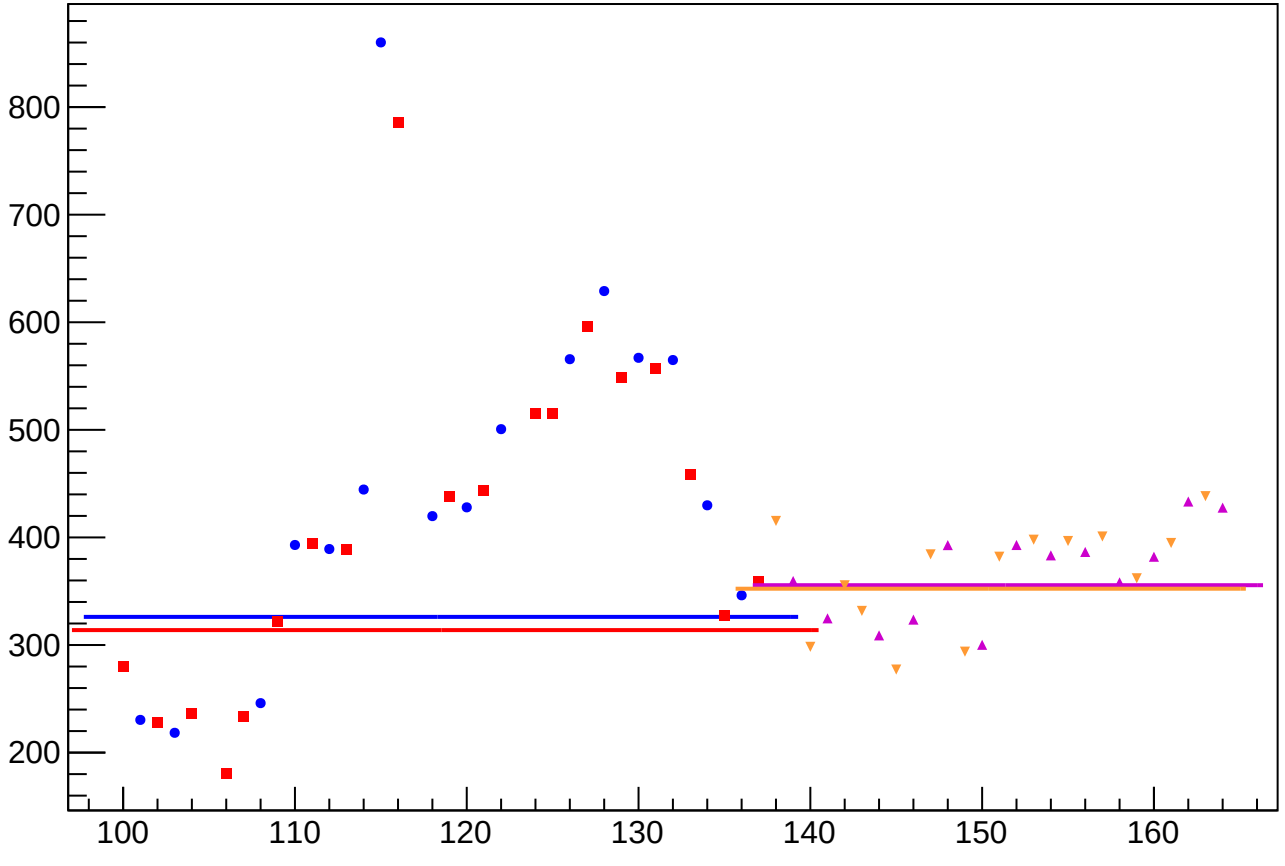
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -119.324+/-83.244 χ^2/NDF:28.0/28

Out: 155.566+/-80.796 χ^2/NDF:40.9/32

All: 22.221+/-57.978 χ^2/NDF: 74.5/61

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 352.329+/-0.076 χ^2/NDF:453574.1/13

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 355.601+/-0.077 χ^2/NDF:278403.2/12

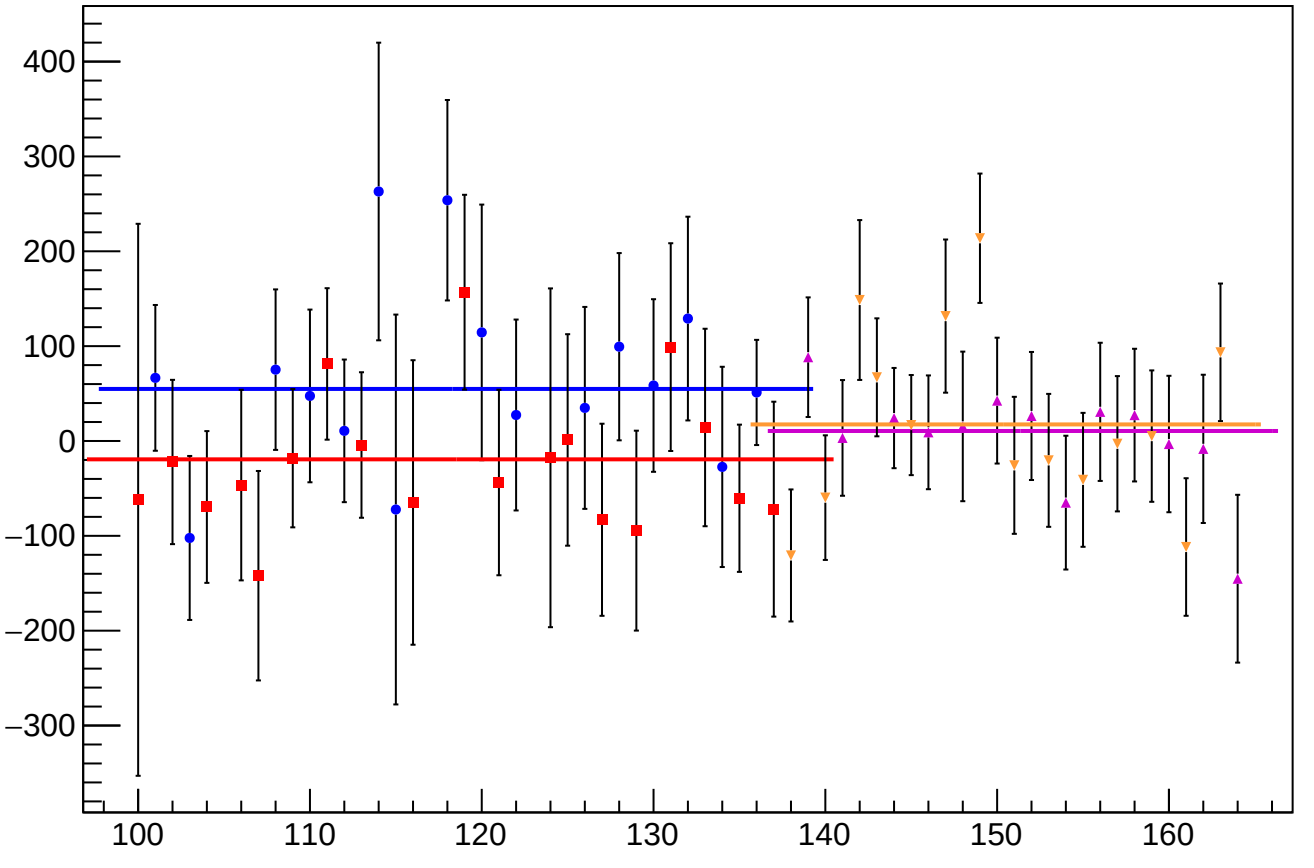
Left: 353.939+/-0.054 χ^2/NDF: 732899.8/26

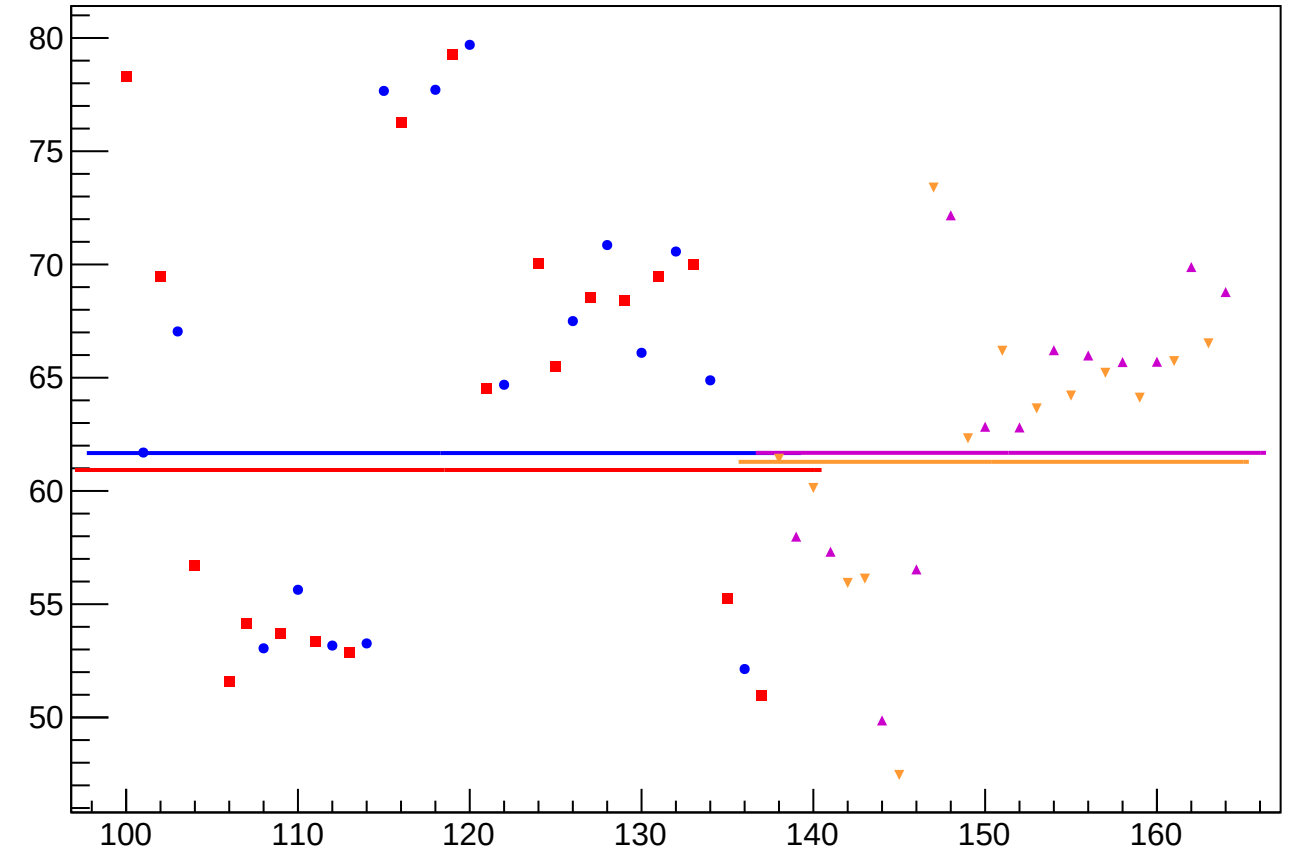
Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.464+/-0.059 χ^2/NDF:2072984.6/28

Out: 335.862+/-0.057 χ^2/NDF:2370350.0/32

All: 339.550+/-0.041 χ^2/NDF: 4451923.7/61


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 17.466+/-18.423 χ²/NDF:24.4/13
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 10.541+/-18.756 χ²/NDF:6.4/12
Left: 14.066+/-13.143 χ²/NDF: 30.8/26
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 28.085+/-14.581 χ²/NDF:19.6/28
Out: 2.757+/-14.276 χ²/NDF:35.1/32
All: 15.154+/-10.201 χ²/NDF: 56.3/61



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.286+/-0.013 χ^2/NDF:247392.3/13

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.683+/-0.013 χ^2/NDF:231352.9/12

Left: 61.481+/-0.009 χ^2/NDF: 479200.7/26

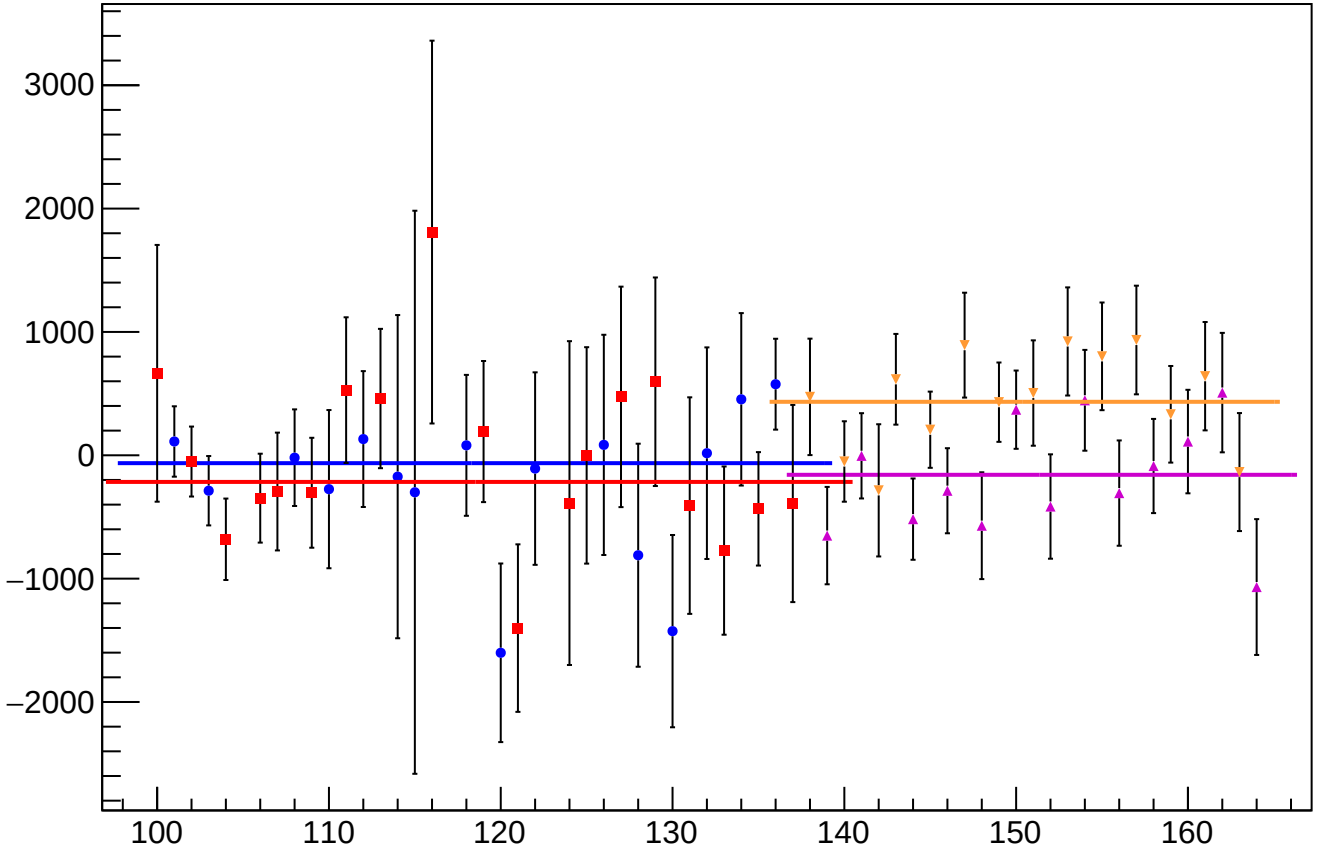
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.679+/-0.010 χ^2/NDF:498461.4/28

Out: 61.142+/-0.010 χ^2/NDF:535277.5/32

All: 61.405+/-0.007 χ^2/NDF: 1035123.0/61

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: 433.599+/-106.836 χ^2/NDF:10.9/13

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -158.229+/-108.566 χ^2/NDF:14.5/12

Left: 142.438+/-76.149 χ^2/NDF: 40.6/26

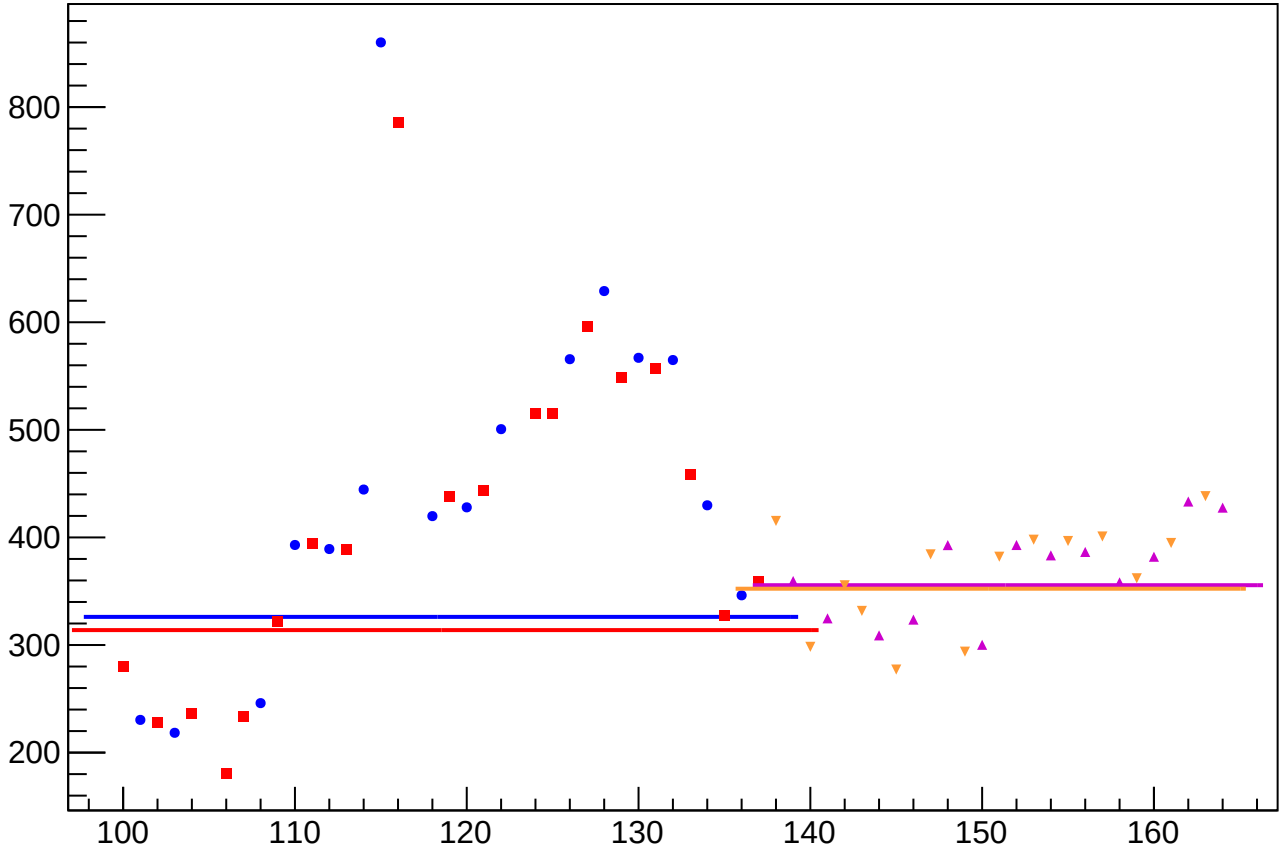
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -119.324+/-83.244 χ^2/NDF:28.0/28

Out: 155.566+/-80.796 χ^2/NDF:40.9/32

All: 22.221+/-57.978 χ^2/NDF: 74.5/61

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: 352.329+/-0.076 χ^2/NDF:453574.1/13

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 355.601+/-0.077 χ^2/NDF:278403.2/12

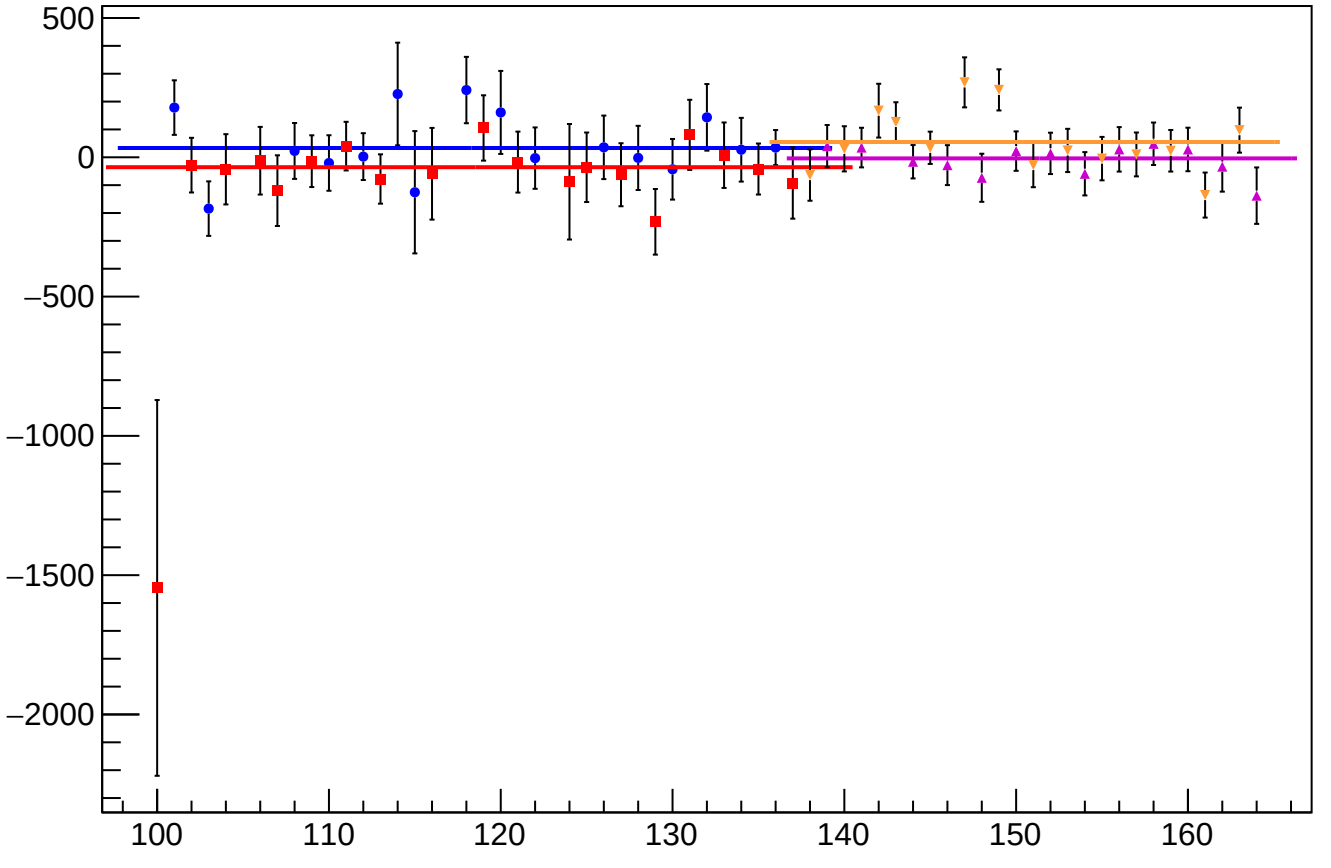
Left: 353.939+/-0.054 χ^2/NDF: 732899.8/26

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.464+/-0.059 χ^2/NDF:2072984.6/28

Out: 335.862+/-0.057 χ^2/NDF:2370350.0/32

All: 339.550+/-0.041 χ^2/NDF: 4451923.7/61



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 54.891+/-20.772 χ^2/NDF:24.5/13

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -3.947+/-21.126 χ^2/NDF:4.8/12

Left: 25.968+/-14.812 χ^2/NDF: 33.3/26

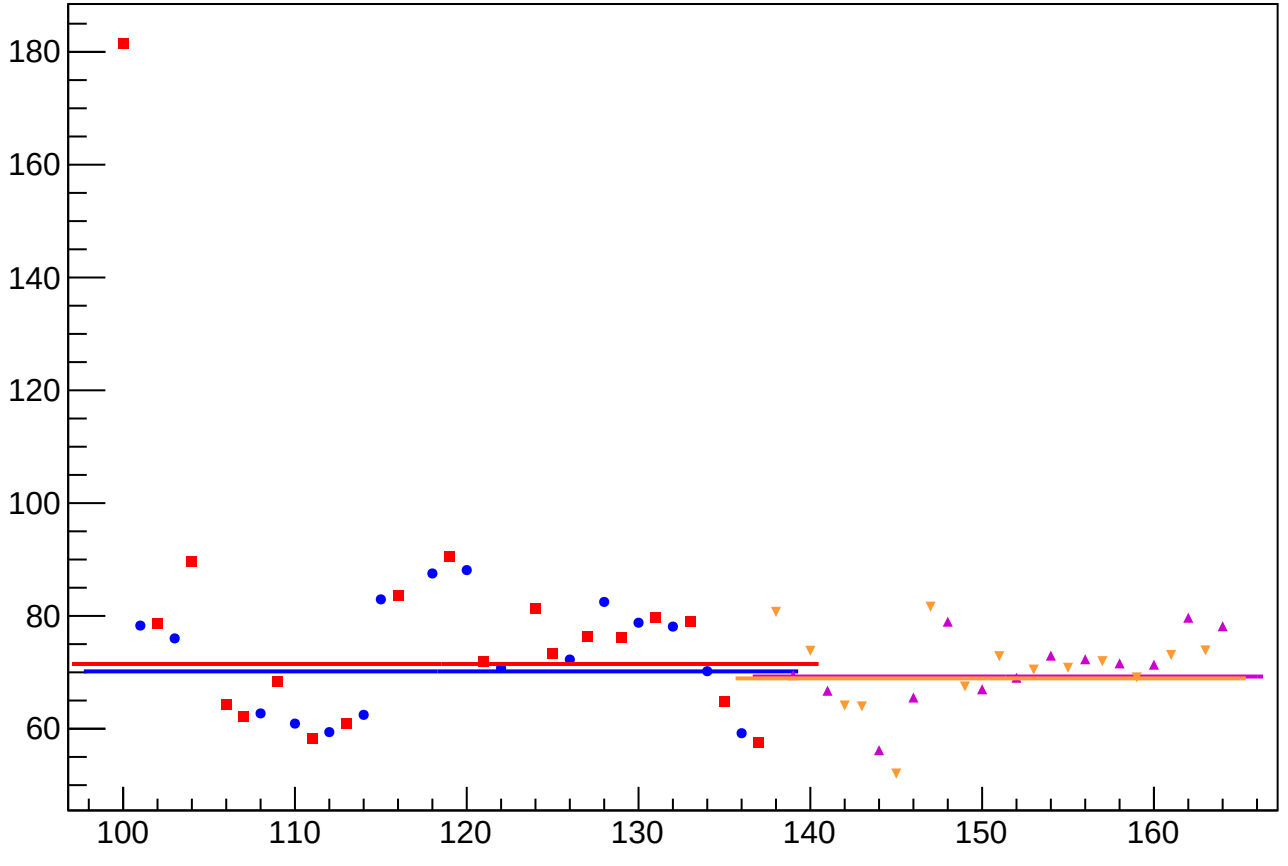
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 10.622+/-16.498 χ^2/NDF:20.6/28

Out: 20.518+/-16.357 χ^2/NDF:43.8/32

All: 15.612+/-11.616 χ^2/NDF: 64.6/61

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 68.932+/-0.015 χ^2/NDF:288006.1/13

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 69.255+/-0.015 χ^2/NDF:183702.6/12

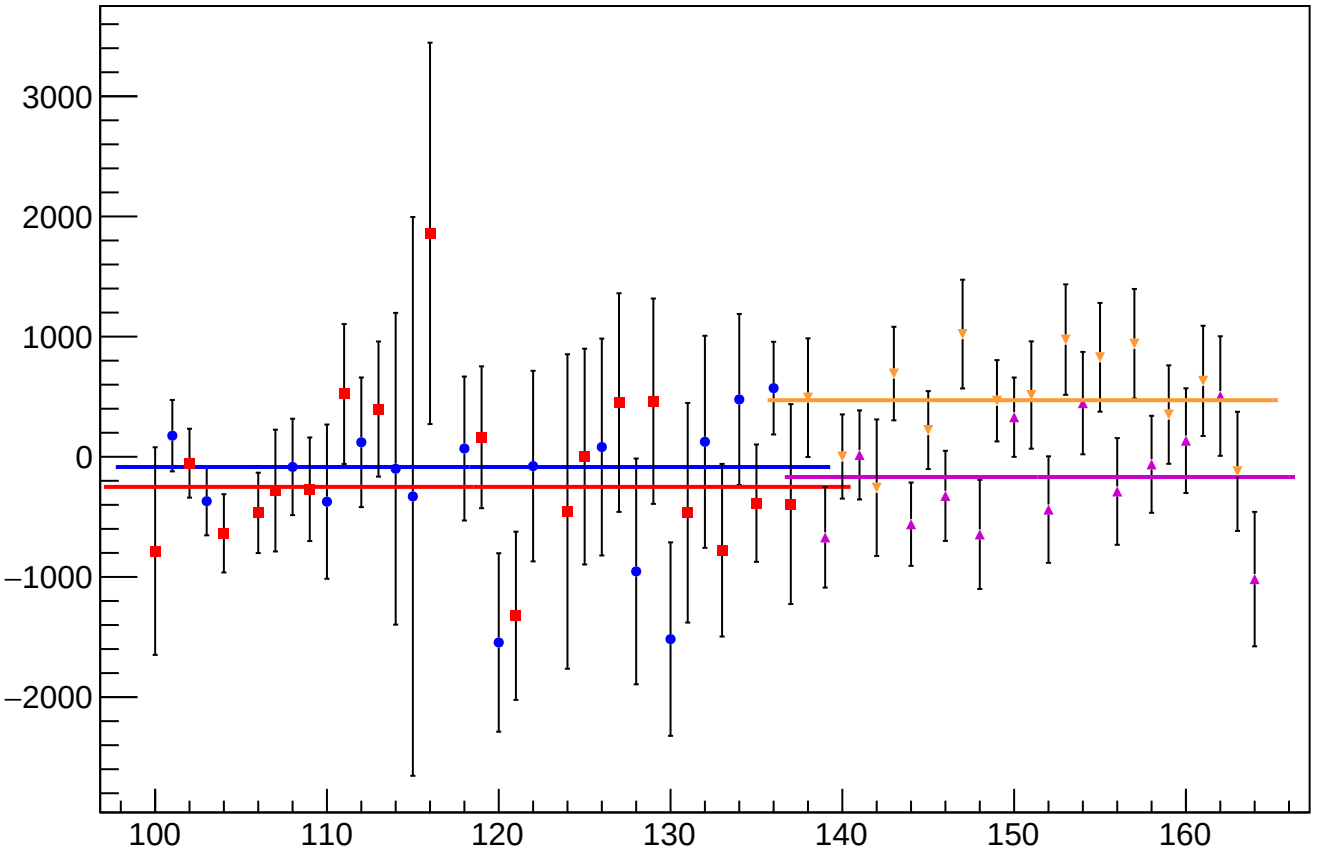
Left: 69.091+/-0.010 χ^2/NDF: 471947.2/26

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.611+/-0.012 χ^2/NDF:454407.0/28

Out: 69.901+/-0.012 χ^2/NDF:625185.8/32

All: 69.757+/-0.008 χ^2/NDF: 1079904.6/61



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 470.963+/-112.309 χ^2/NDF:10.4/13

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -168.479+/-114.131 χ^2/NDF:13.8/12

Left: 156.389+/-80.051 χ^2/NDF: 40.1/26

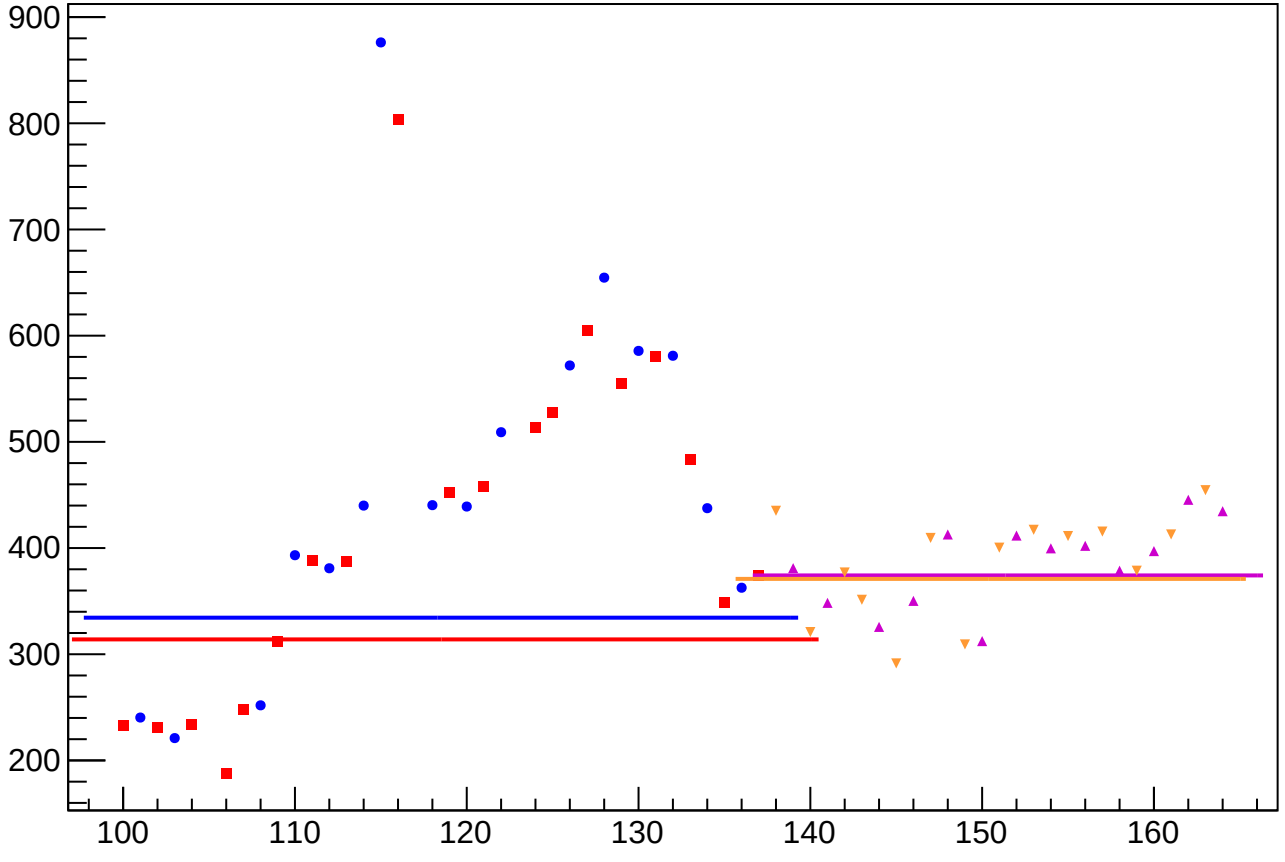
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -133.117+/-86.579 χ^2/NDF:27.7/28

Out: 143.847+/-83.029 χ^2/NDF:41.5/32

All: 11.159+/-59.926 χ^2/NDF: 74.5/61

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 370.957+/-0.079 χ^2/NDF:419428.8/13

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 374.217+/-0.081 χ^2/NDF:241666.3/12

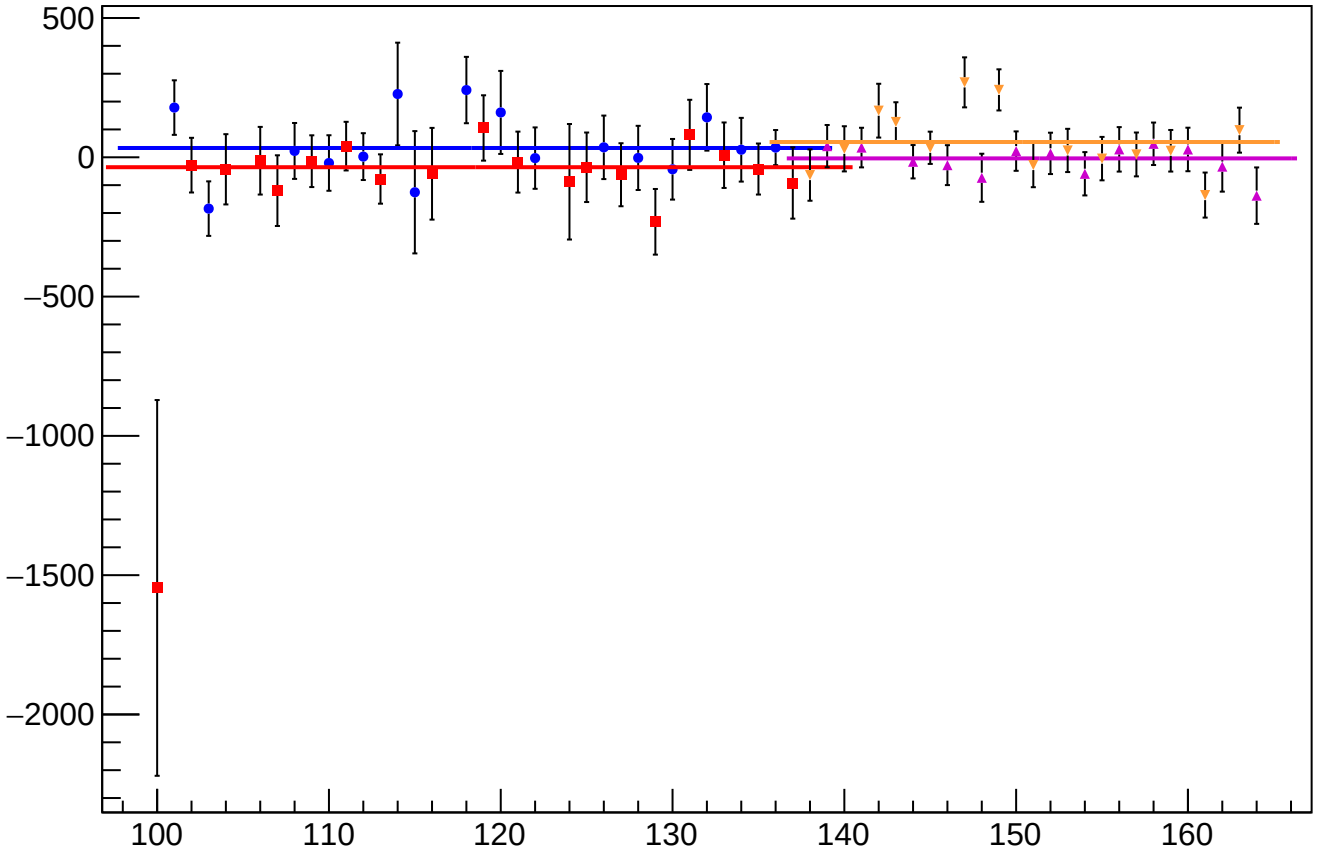
Left: 372.561+/-0.057 χ^2/NDF: 661924.2/26

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 357.326+/-0.061 χ^2/NDF:2075458.8/28

Out: 345.117+/-0.059 χ^2/NDF:2557518.2/32

All: 350.966+/-0.042 χ^2/NDF: 4653694.8/61



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 54.890+/-20.772 χ^2/NDF:24.5/13

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -3.947+/-21.126 χ^2/NDF:4.8/12

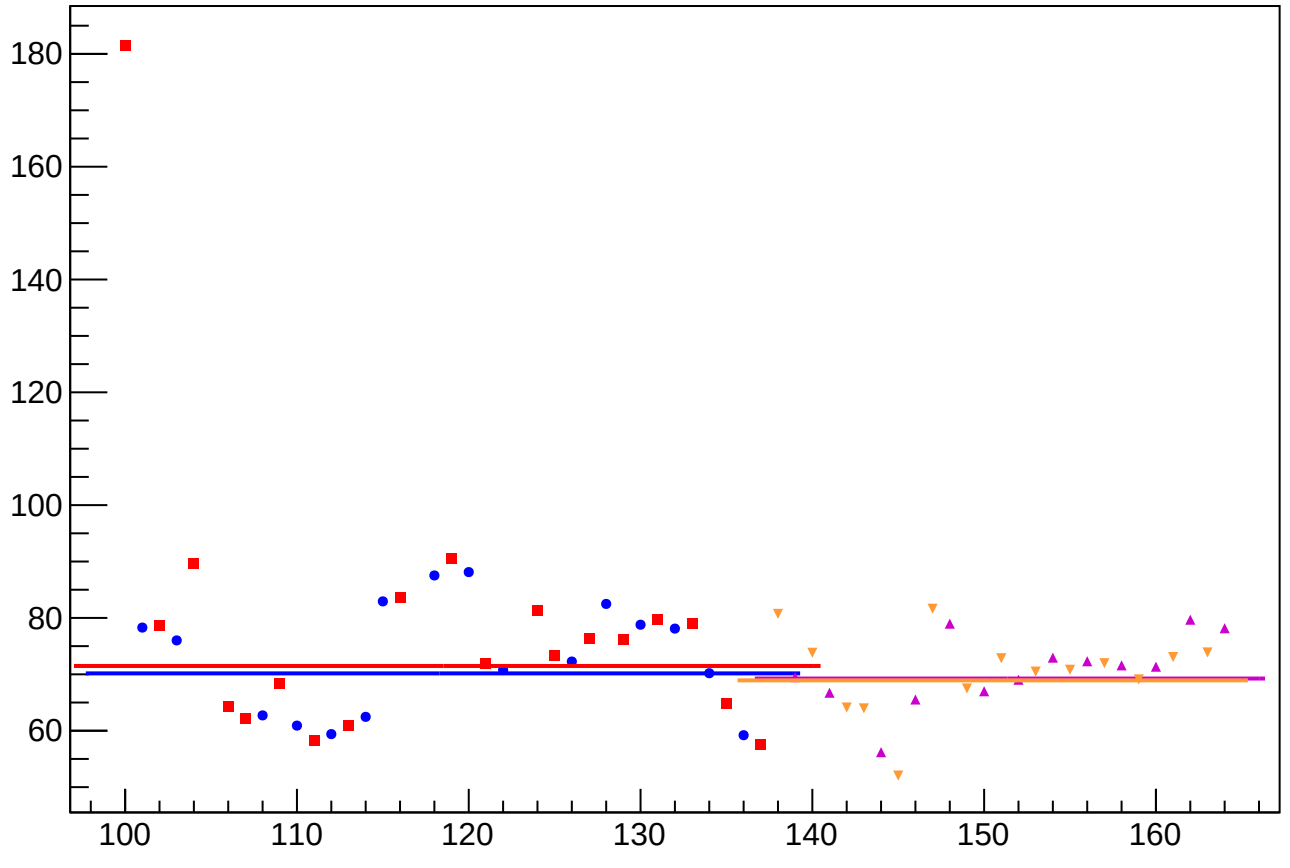
Left: 25.968+/-14.812 χ^2/NDF: 33.3/26

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 10.622+/-16.498 χ^2/NDF:20.6/28

Out: 20.517+/-16.357 χ^2/NDF:43.8/32

All: 15.612+/-11.616 χ^2/NDF: 64.6/61



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 68.932+/-0.015 χ^2/NDF:288010.8/13

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 69.255+/-0.015 χ^2/NDF:183704.7/12

Left: 69.091+/-0.010 χ^2/NDF: 471954.1/26

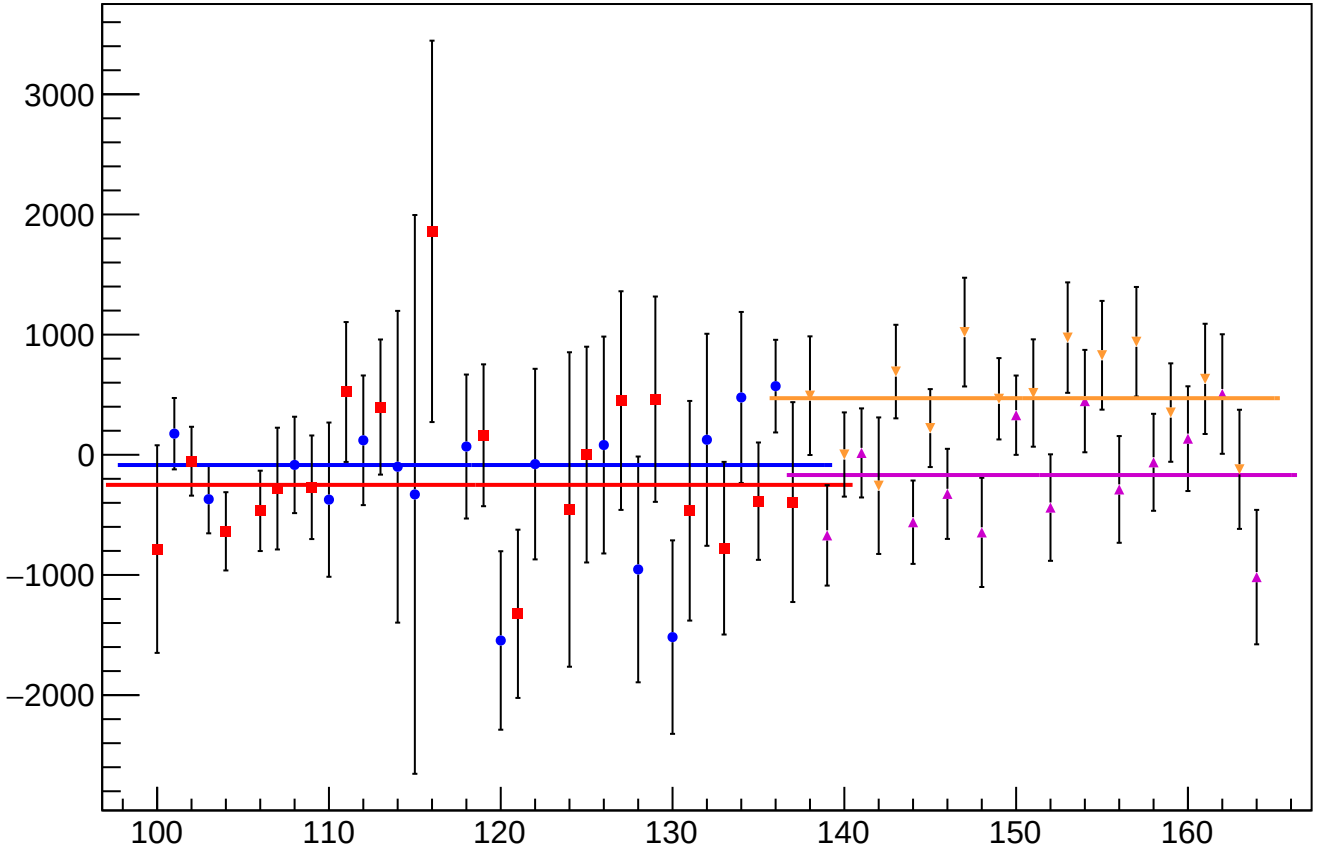
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.611+/-0.012 χ^2/NDF:454412.5/28

Out: 69.901+/-0.012 χ^2/NDF:625198.1/32

All: 69.757+/-0.008 χ^2/NDF: 1079922.3/61

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: 470.962+/-112.309 χ^2/NDF:10.4/13

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -168.479+/-114.131 χ^2/NDF:13.8/12

Left: 156.389+/-80.051 χ^2/NDF: 40.1/26

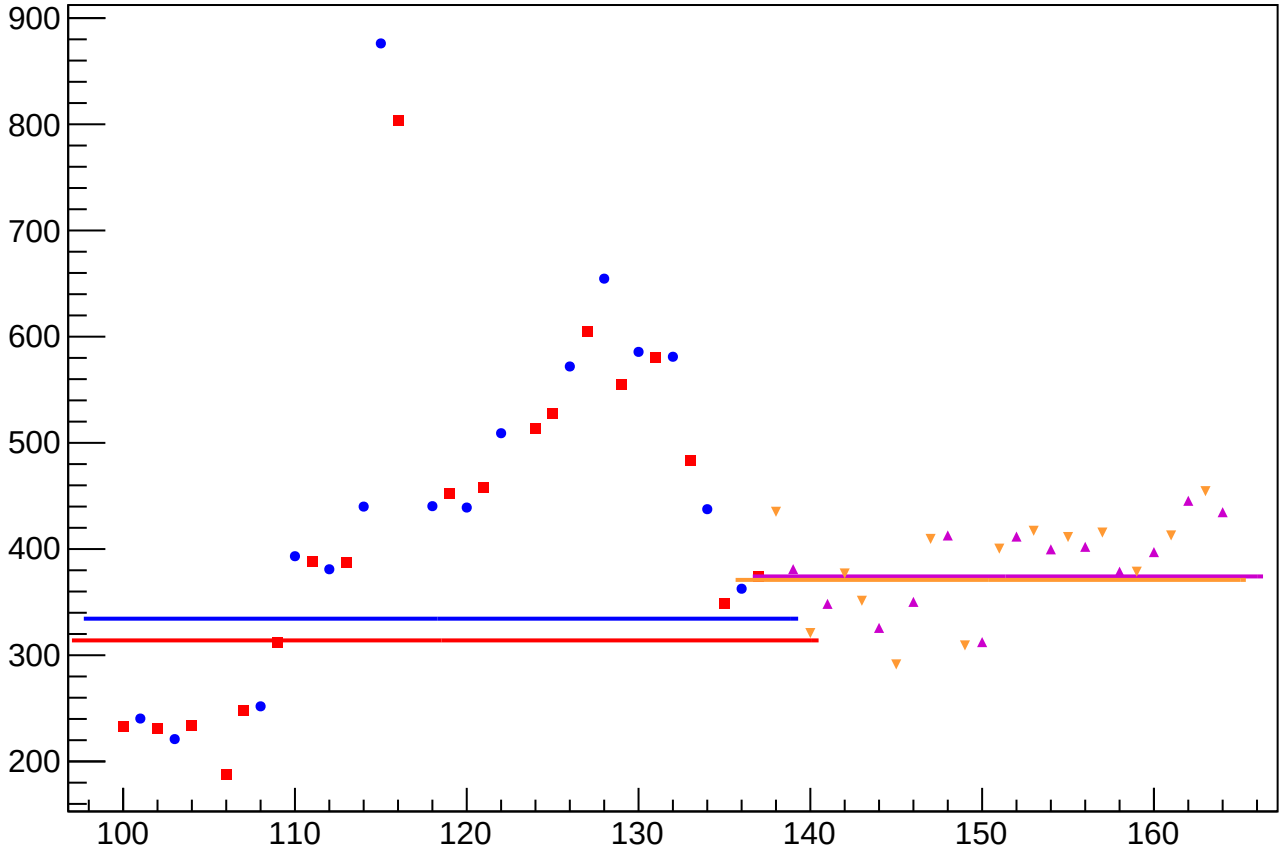
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -133.117+/-86.579 χ^2/NDF:27.7/28

Out: 143.846+/-83.029 χ^2/NDF:41.5/32

All: 11.159+/-59.926 χ^2/NDF: 74.5/61

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: 370.956+/-0.079 χ^2/NDF:419432.2/13

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 374.217+/-0.081 χ^2/NDF:241666.1/12

Left: 372.560+/-0.057 χ^2/NDF: 661927.5/26

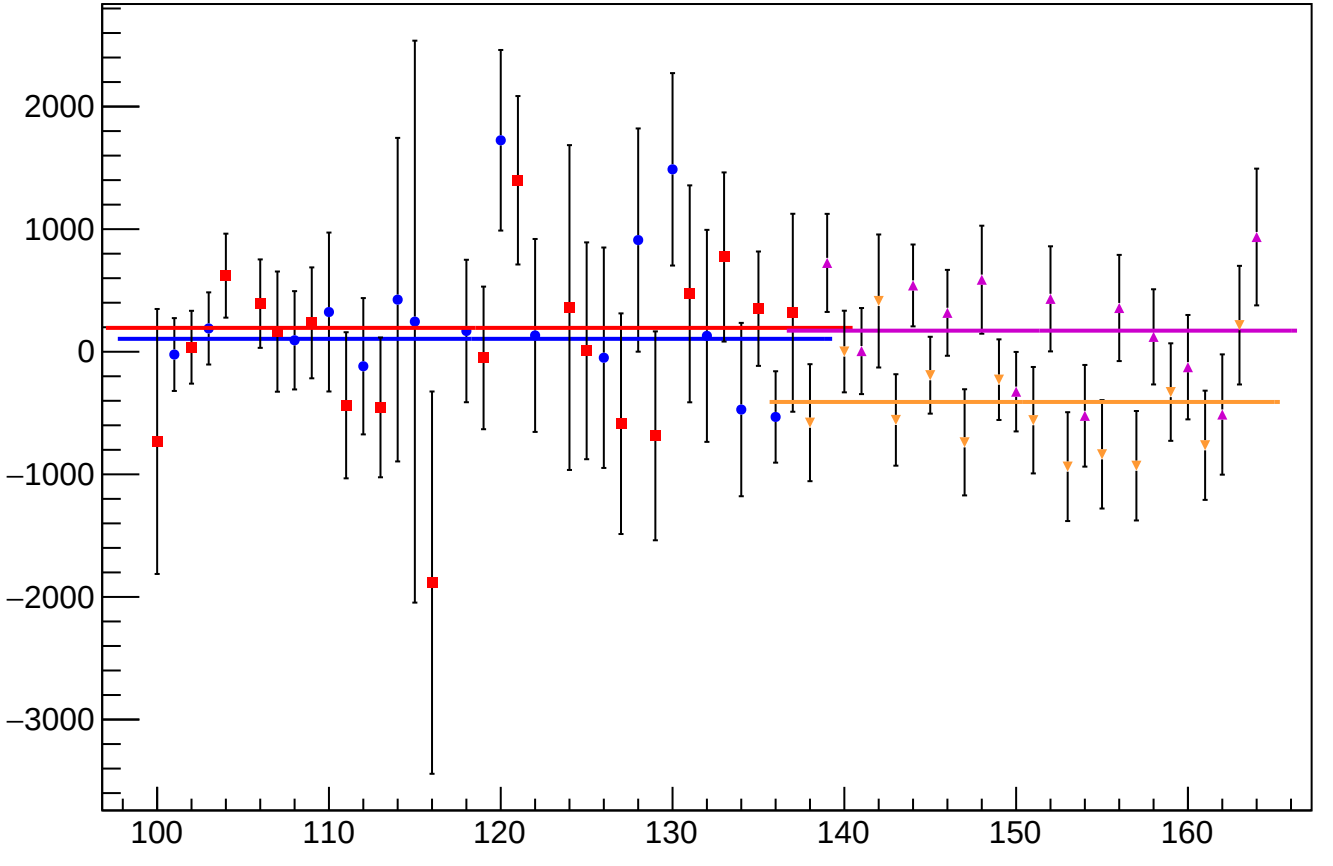
Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 357.326+/-0.061 χ^2/NDF:2075456.7/28

Out: 345.117+/-0.059 χ^2/NDF:2557518.6/32

All: 350.966+/-0.042 χ^2/NDF: 4653693.8/61

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -409.468+/-108.528 χ^2/NDF:11.6/13

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 172.084+/-110.258 χ^2/NDF:14.5/12

Left: -123.291+/-77.345 χ^2/NDF: 40.2/26

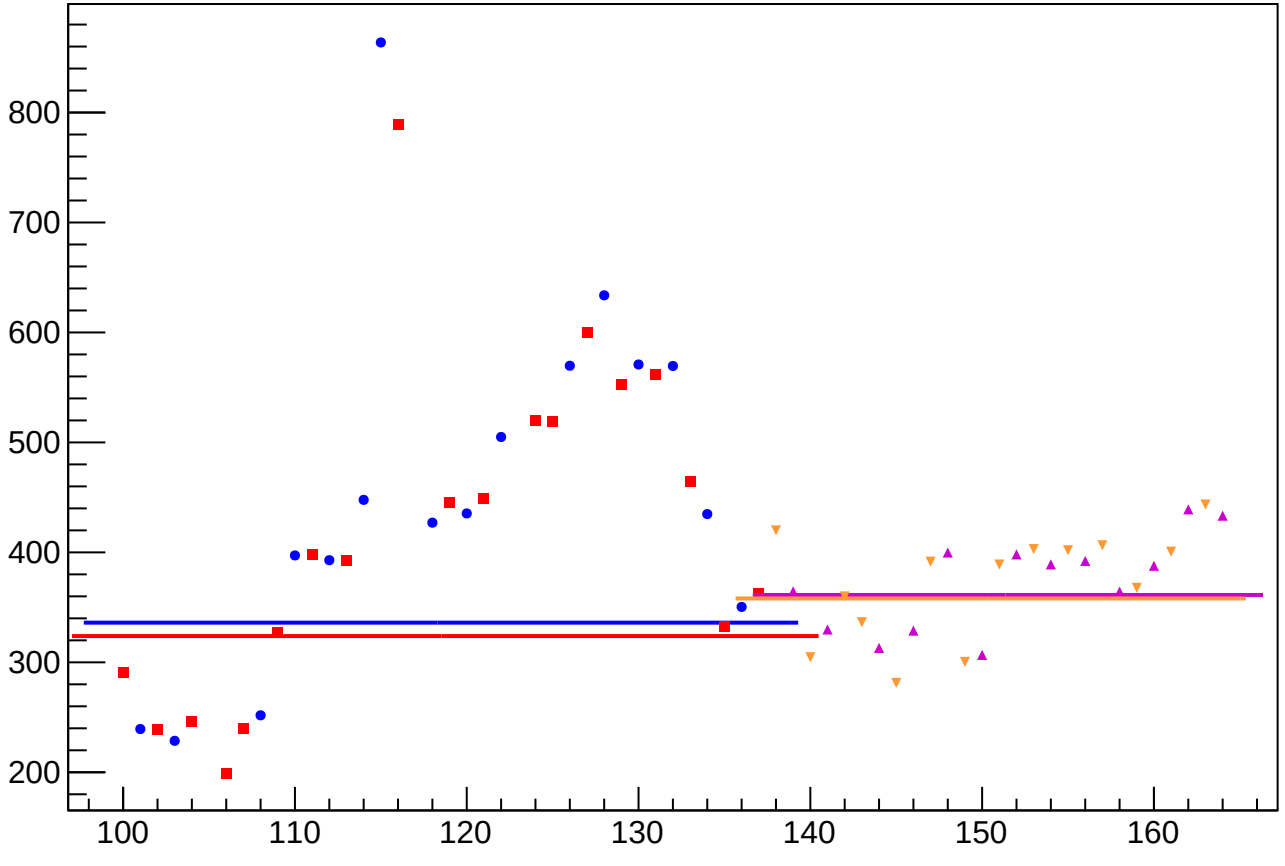
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 144.929+/-84.895 χ^2/NDF:27.6/28

Out: -152.605+/-82.285 χ^2/NDF:38.0/32

All: -8.481+/-59.085 χ^2/NDF: 71.9/61

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 358.094+/-0.077 χ^2/NDF:441014.8/13

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 361.255+/-0.078 χ^2/NDF:272418.9/12

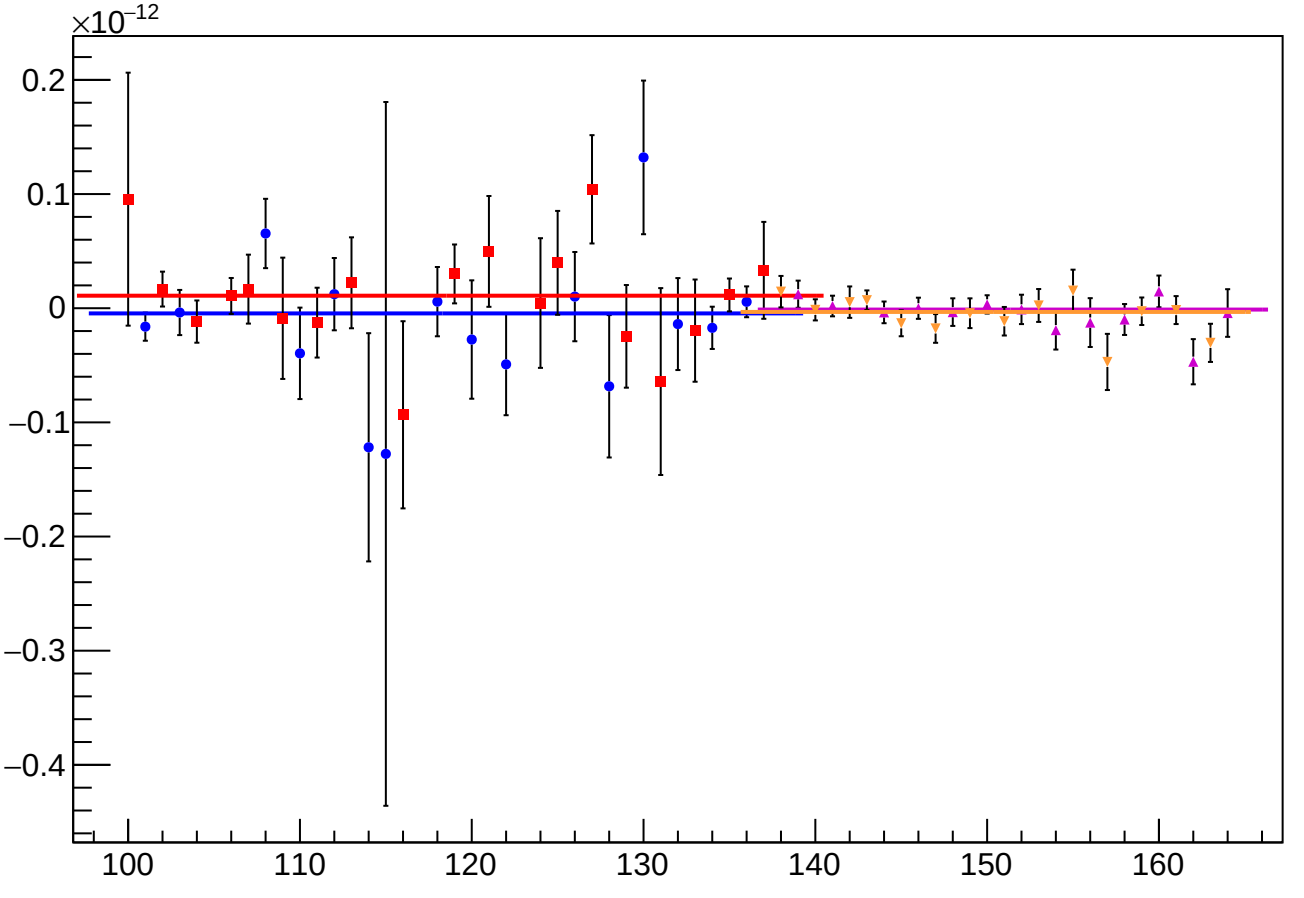
Left: 359.650+/-0.055 χ^2/NDF: 714268.4/26

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 351.010+/-0.060 χ^2/NDF:1933828.4/28

Out: 343.551+/-0.058 χ^2/NDF:2190917.2/32

All: 347.164+/-0.042 χ^2/NDF: 4132706.5/61



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/12

Left: -0.000+/-0.000 χ^2/NDF: 23.5/26

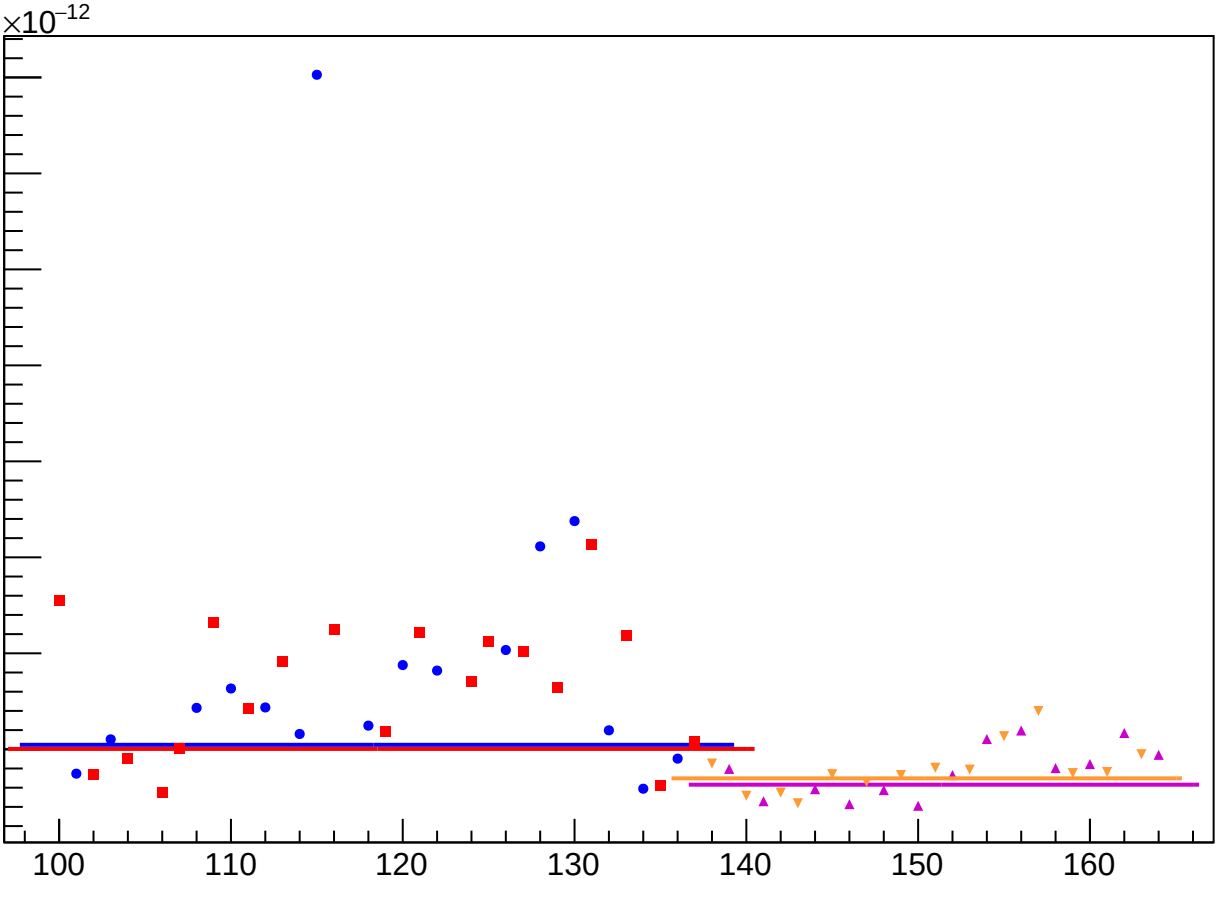
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:27.0/28

Out: -0.000+/-0.000 χ^2/NDF:29.3/32

All: -0.000+/-0.000 χ^2/NDF: 56.4/61

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:669984.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:945527.2/12

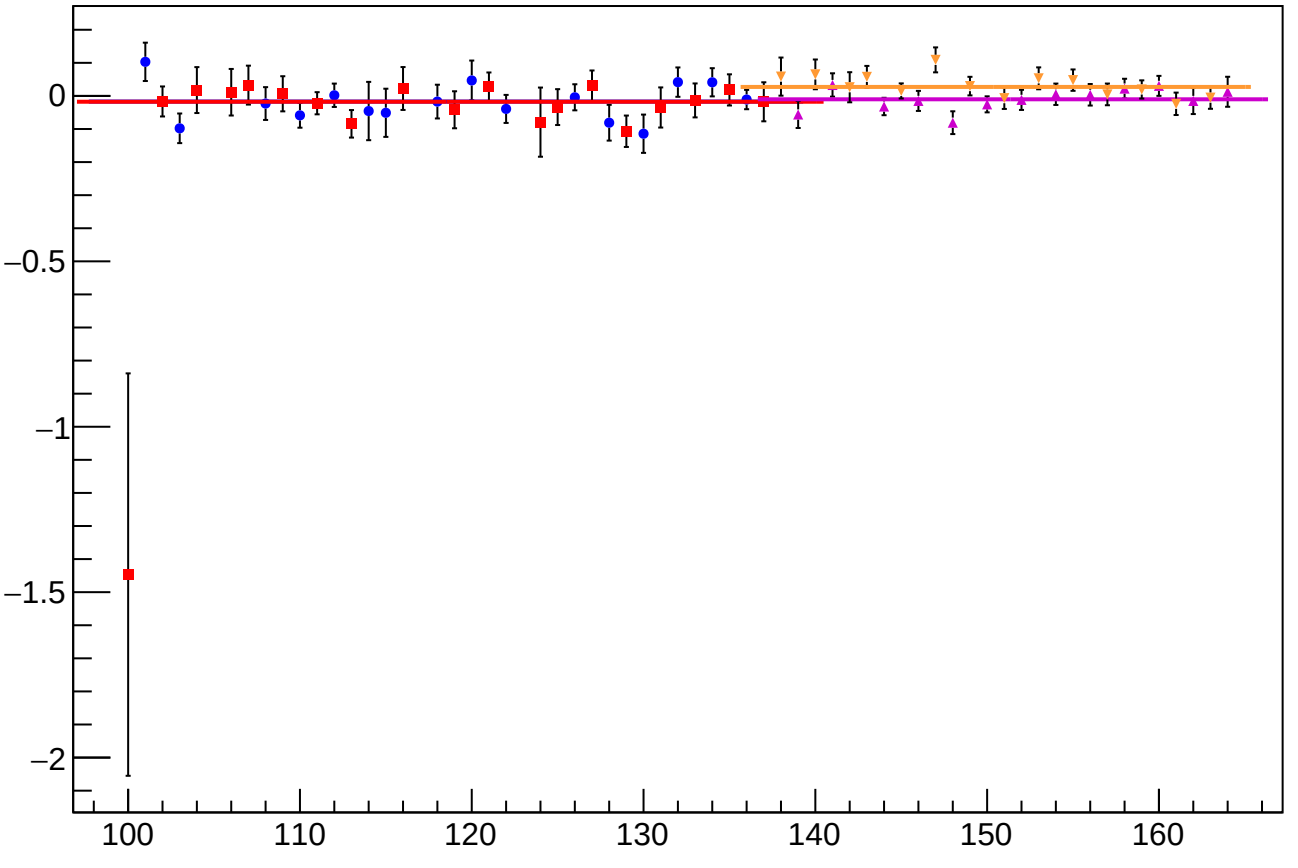
Left: 0.000+/-0.000 χ^2/NDF: 1654474.6/26

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2786659.1/28

Out: 0.000+/-0.000 χ^2/NDF:2444669.7/32

All: 0.000+/-0.000 χ^2/NDF: 5254757.8/61



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.7/13

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.009 χ^2/NDF:11.8/12

Left: 0.009+/-0.006 χ^2/NDF: 33.4/26

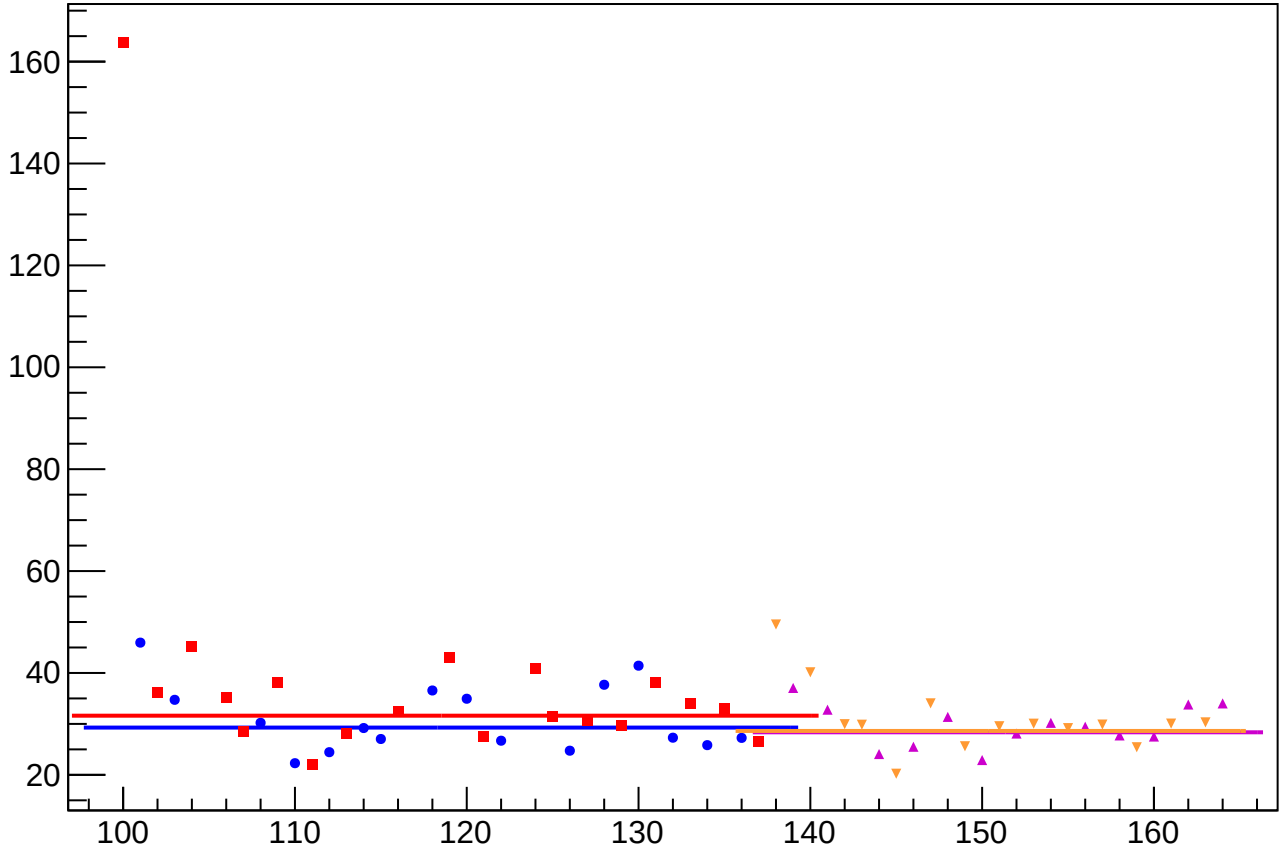
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.8/28

Out: 0.012+/-0.007 χ^2/NDF:38.4/32

All: -0.001+/-0.005 χ^2/NDF: 75.3/61

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.617+/-0.006 χ^2/NDF:777934.8/13

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.352+/-0.006 χ^2/NDF:389317.8/12

Left: 28.485+/-0.004 χ^2/NDF: 1168152.4/26

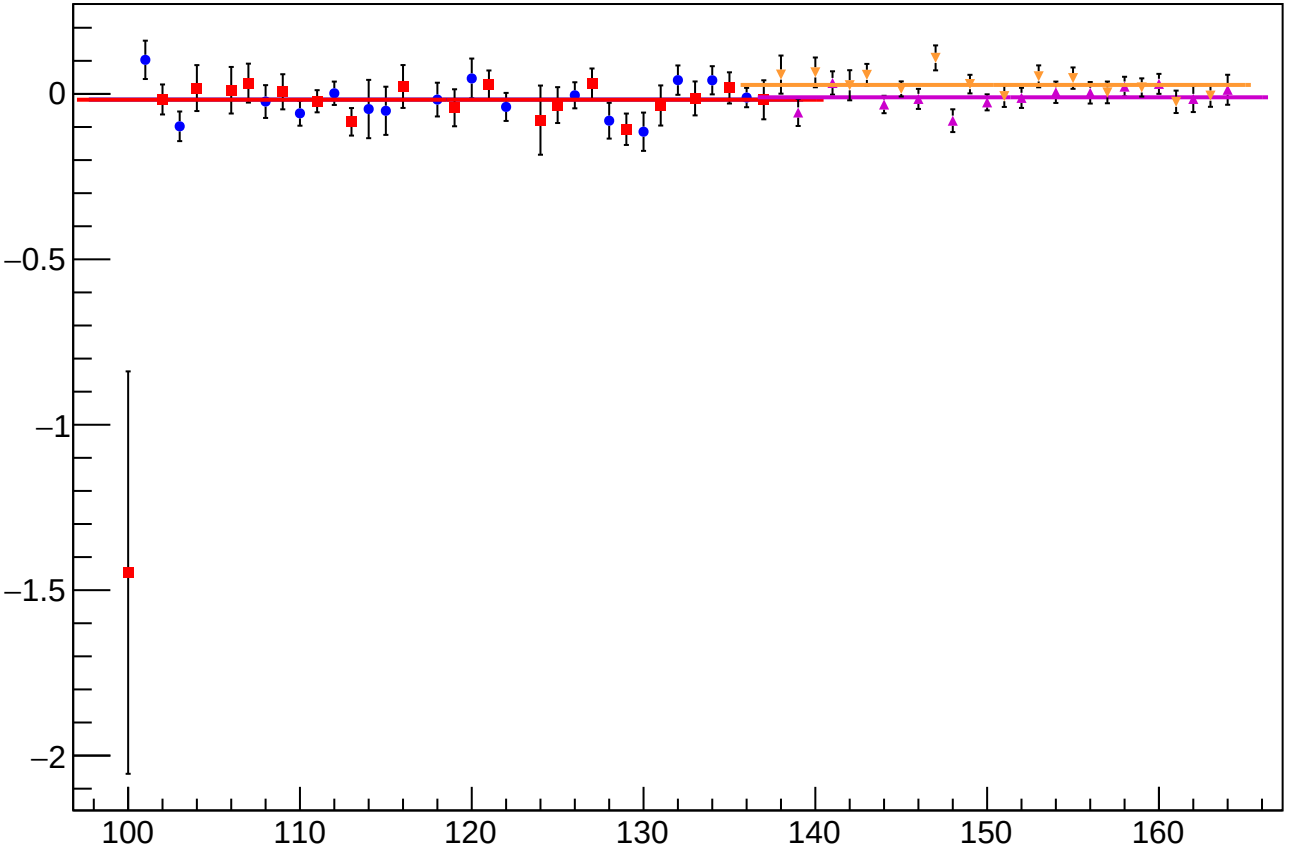
Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.702+/-0.005 χ^2/NDF:958269.7/28

Out: 29.655+/-0.005 χ^2/NDF:1430292.5/32

All: 29.168+/-0.004 χ^2/NDF: 2406856.8/61

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.7/13

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.009 χ^2/NDF:11.8/12

Left: 0.009+/-0.006 χ^2/NDF: 33.4/26

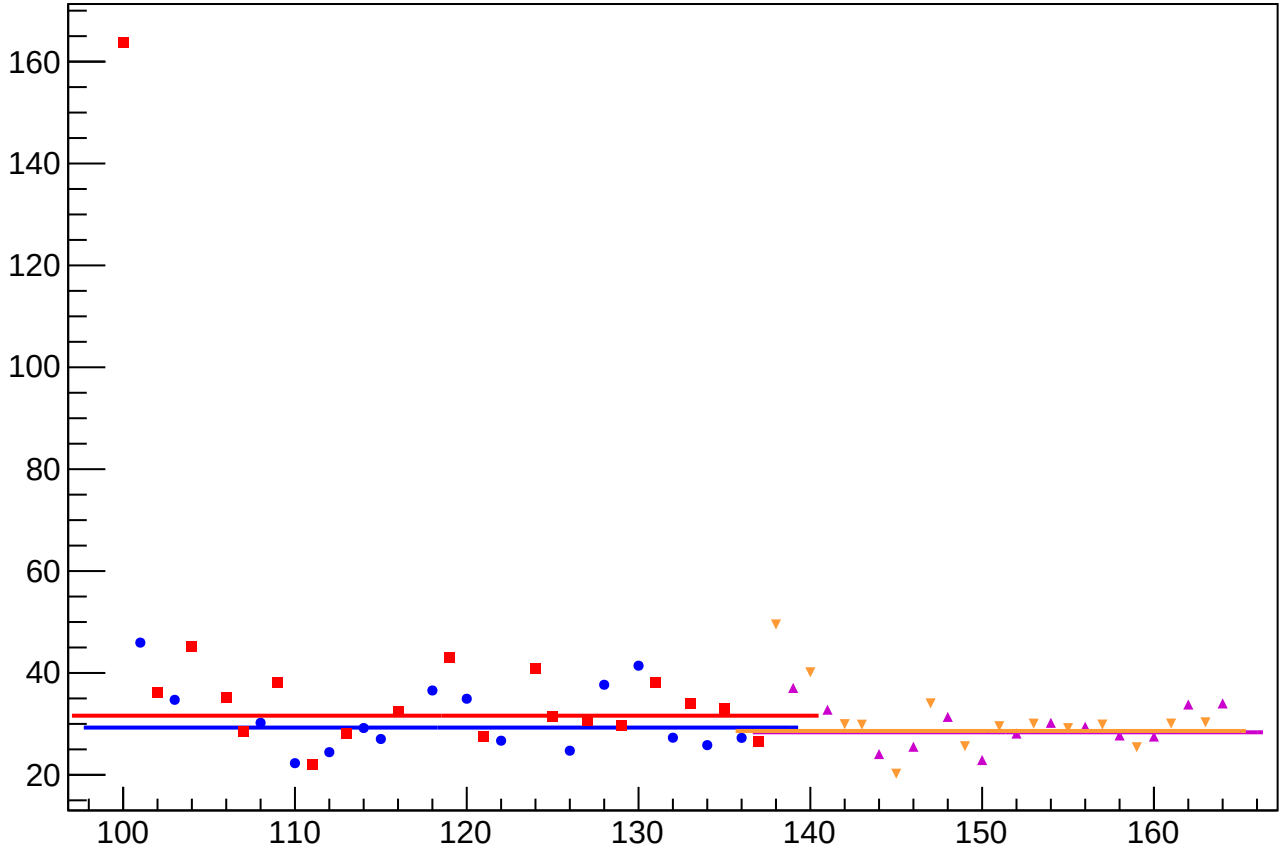
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.8/28

Out: 0.012+/-0.007 χ^2/NDF:38.4/32

All: -0.001+/-0.005 χ^2/NDF: 75.3/61

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: 28.617+/-0.006 χ^2/NDF:777934.8/13

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.352+/-0.006 χ^2/NDF:389317.8/12

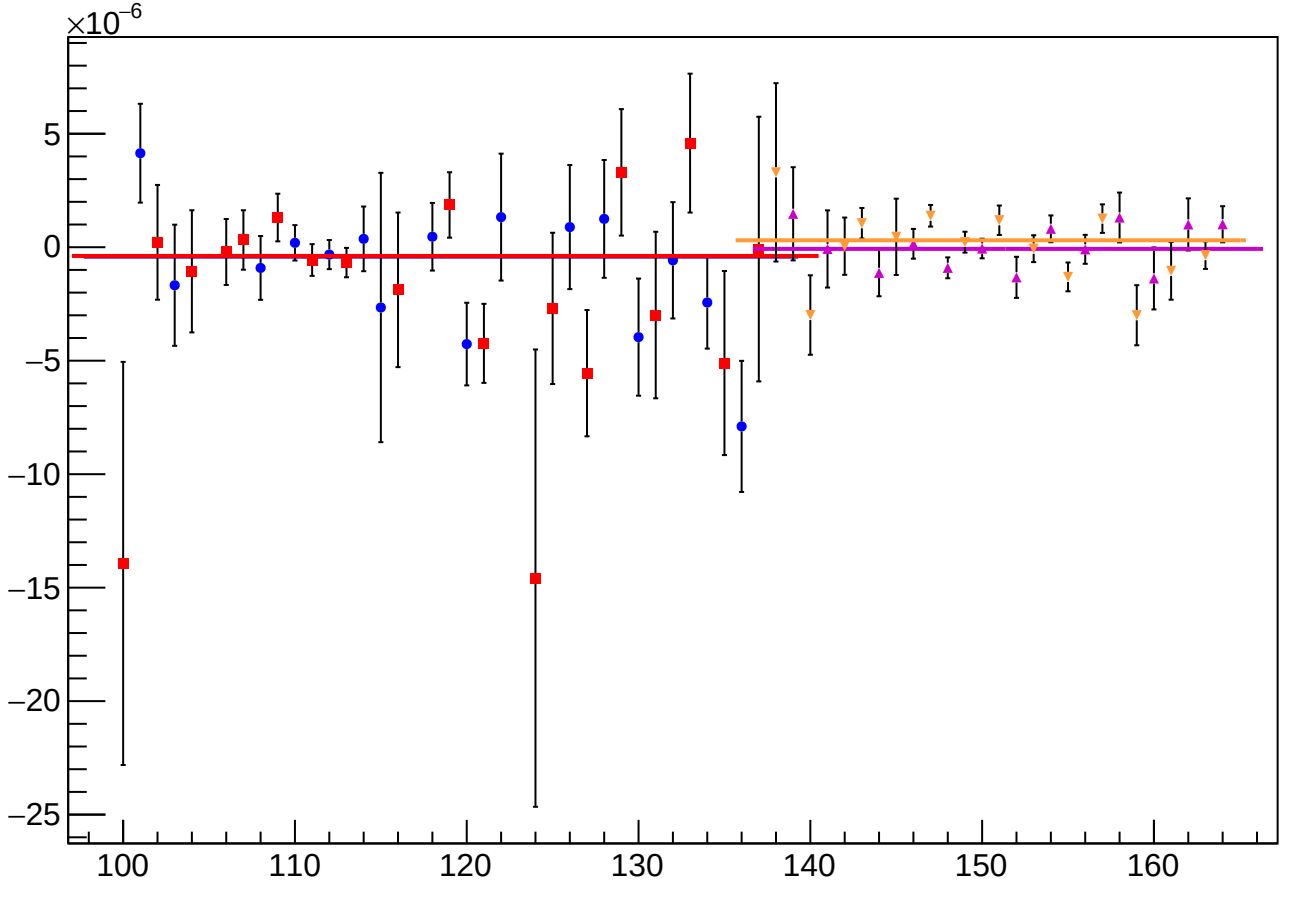
Left: 28.485+/-0.004 χ^2/NDF: 1168152.4/26

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.702+/-0.005 χ^2/NDF:958269.7/28

Out: 29.655+/-0.005 χ^2/NDF:1430292.5/32

All: 29.168+/-0.004 χ^2/NDF: 2406856.8/61



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.4/12

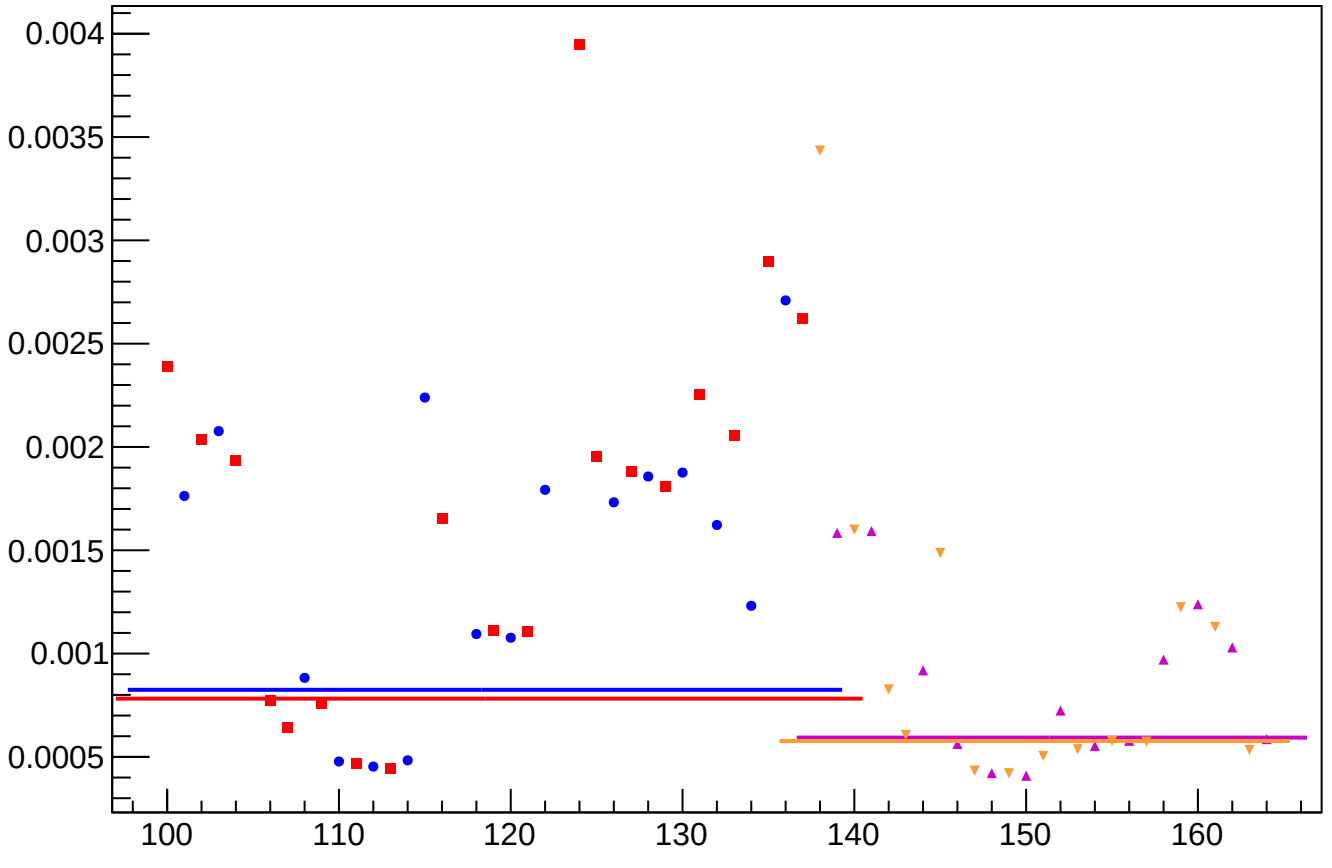
Left: 0.000+/-0.000 χ^2/NDF: 46.4/26

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:36.3/28

Out: 0.000+/-0.000 χ^2/NDF:58.4/32

All: 0.000+/-0.000 χ^2/NDF: 96.2/61



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3722118.8/13

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:3028271.7/12

Left: 0.001+/-0.000 χ^2/NDF: 6757315.8/26

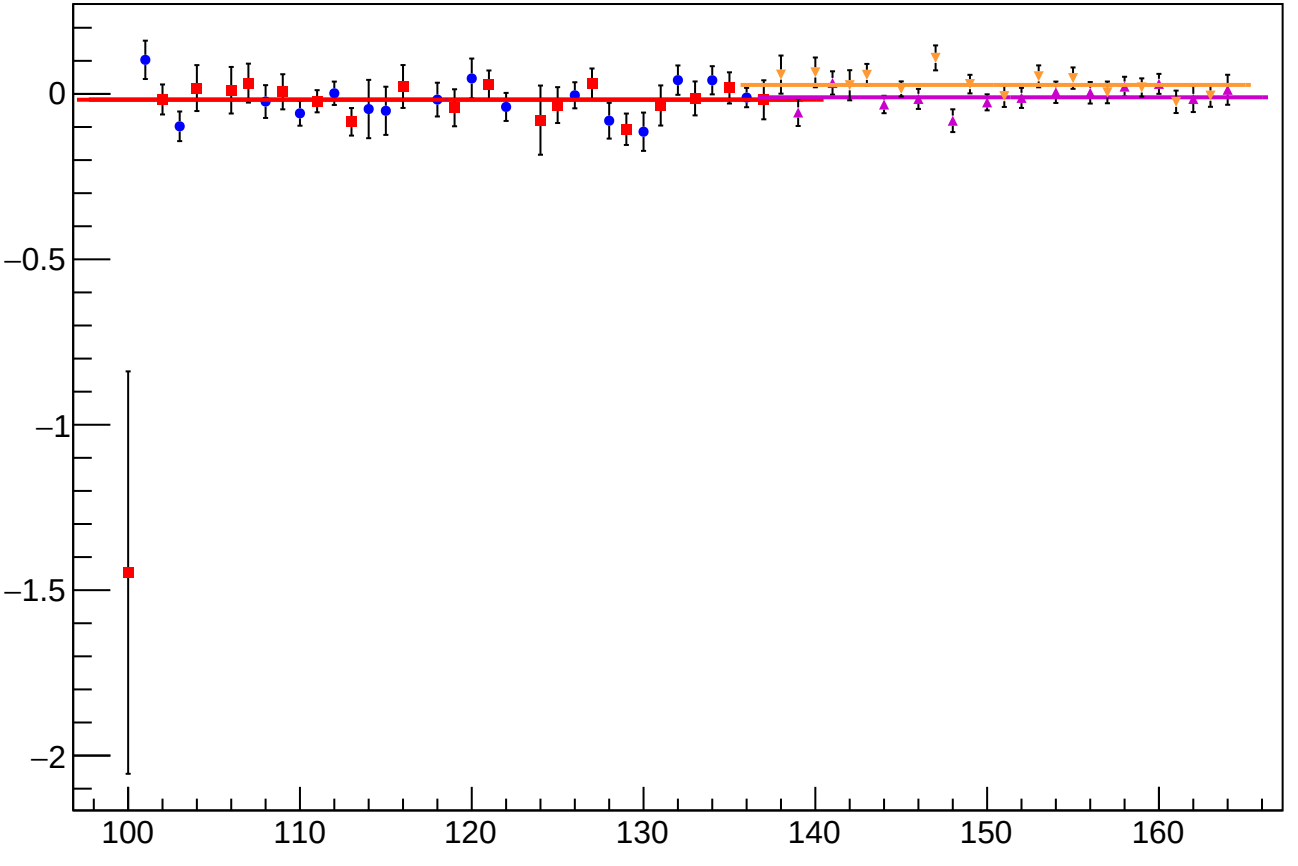
Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:8076761.7/28

Out: 0.001+/-0.000 χ^2/NDF:8891133.1/32

All: 0.001+/-0.000 χ^2/NDF: 16983843.5/61

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.7/13

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.009 χ^2/NDF:11.8/12

Left: 0.009+/-0.006 χ^2/NDF: 33.4/26

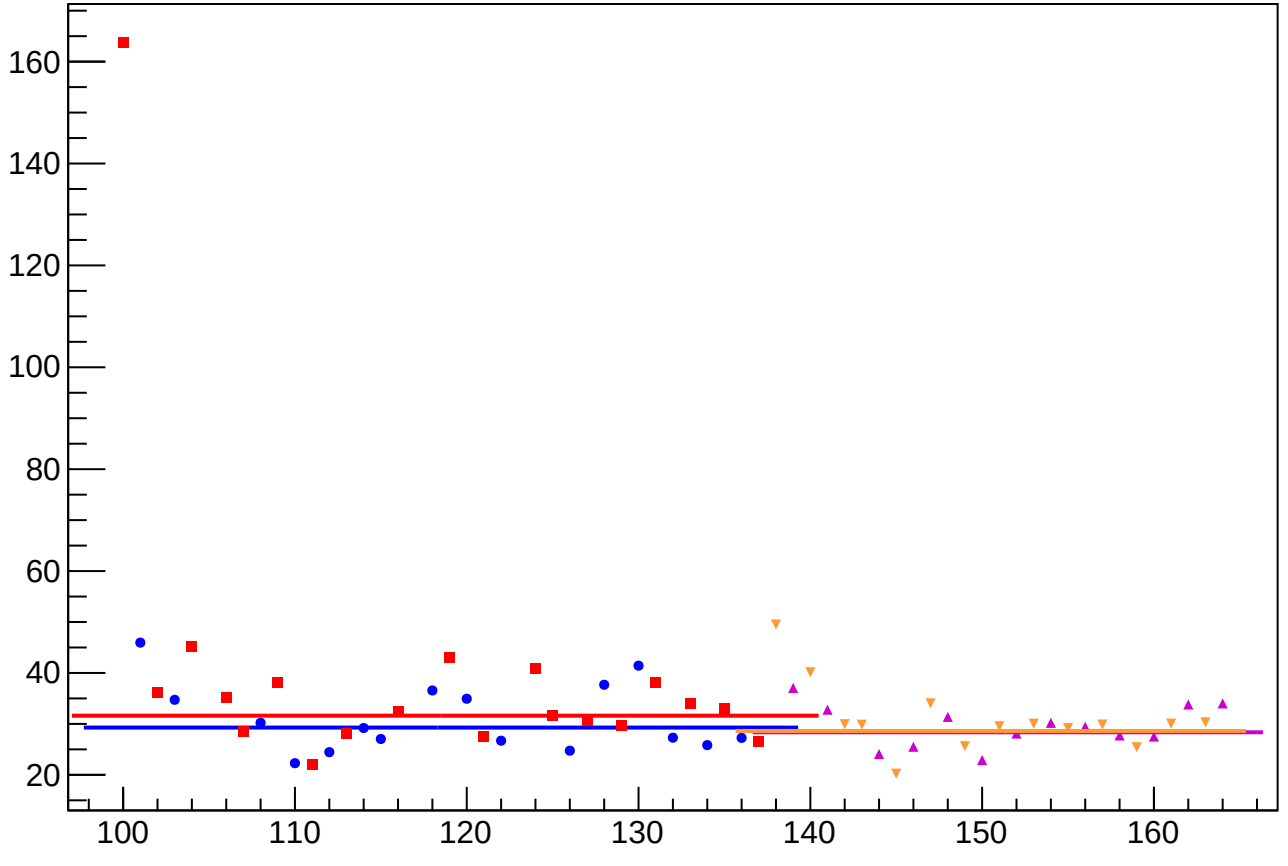
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.8/28

Out: 0.012+/-0.007 χ^2/NDF:38.4/32

All: -0.001+/-0.005 χ^2/NDF: 75.3/61

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: 28.617+/-0.006 χ^2/NDF:777979.5/13

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.352+/-0.006 χ^2/NDF:389291.6/12

Left: 28.485+/-0.004 χ^2/NDF: 1168169.7/26

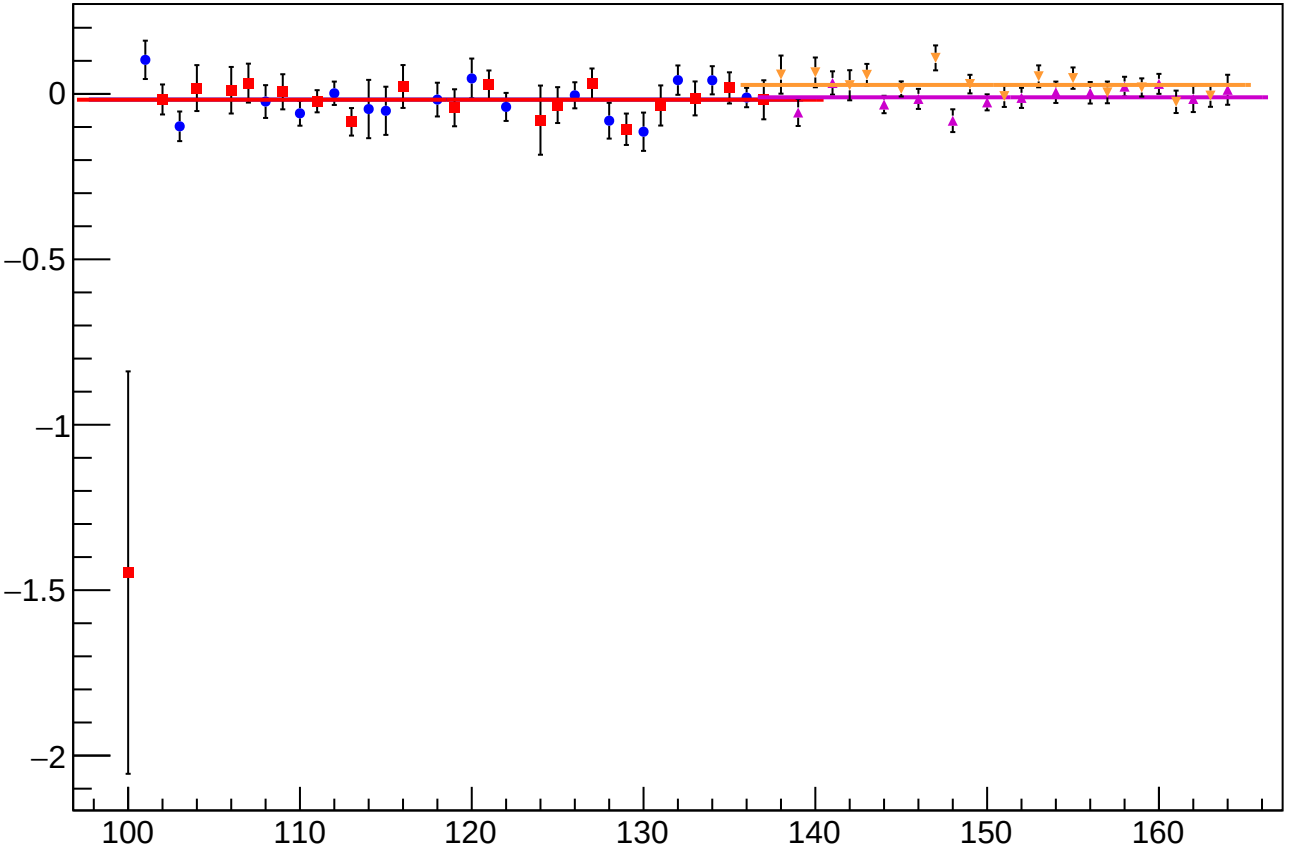
Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.702+/-0.005 χ^2/NDF:958245.0/28

Out: 29.655+/-0.005 χ^2/NDF:1430356.7/32

All: 29.168+/-0.004 χ^2/NDF: 2406893.0/61

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.7/13

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.009 χ^2/NDF:11.8/12

Left: 0.009+/-0.006 χ^2/NDF: 33.4/26

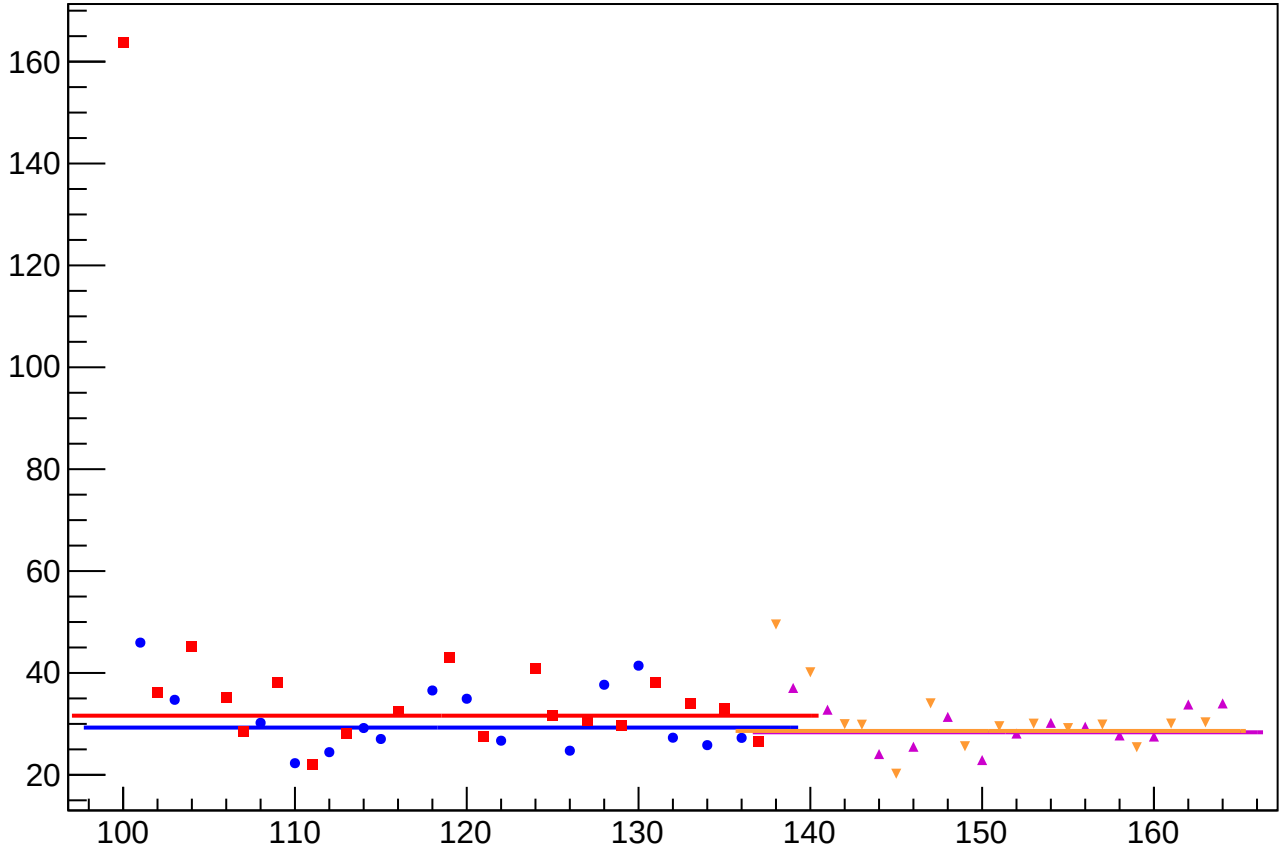
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.8/28

Out: 0.012+/-0.007 χ^2/NDF:38.4/32

All: -0.001+/-0.005 χ^2/NDF: 75.3/61

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: 28.617+/-0.006 χ^2/NDF:777979.5/13

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.352+/-0.006 χ^2/NDF:389291.6/12

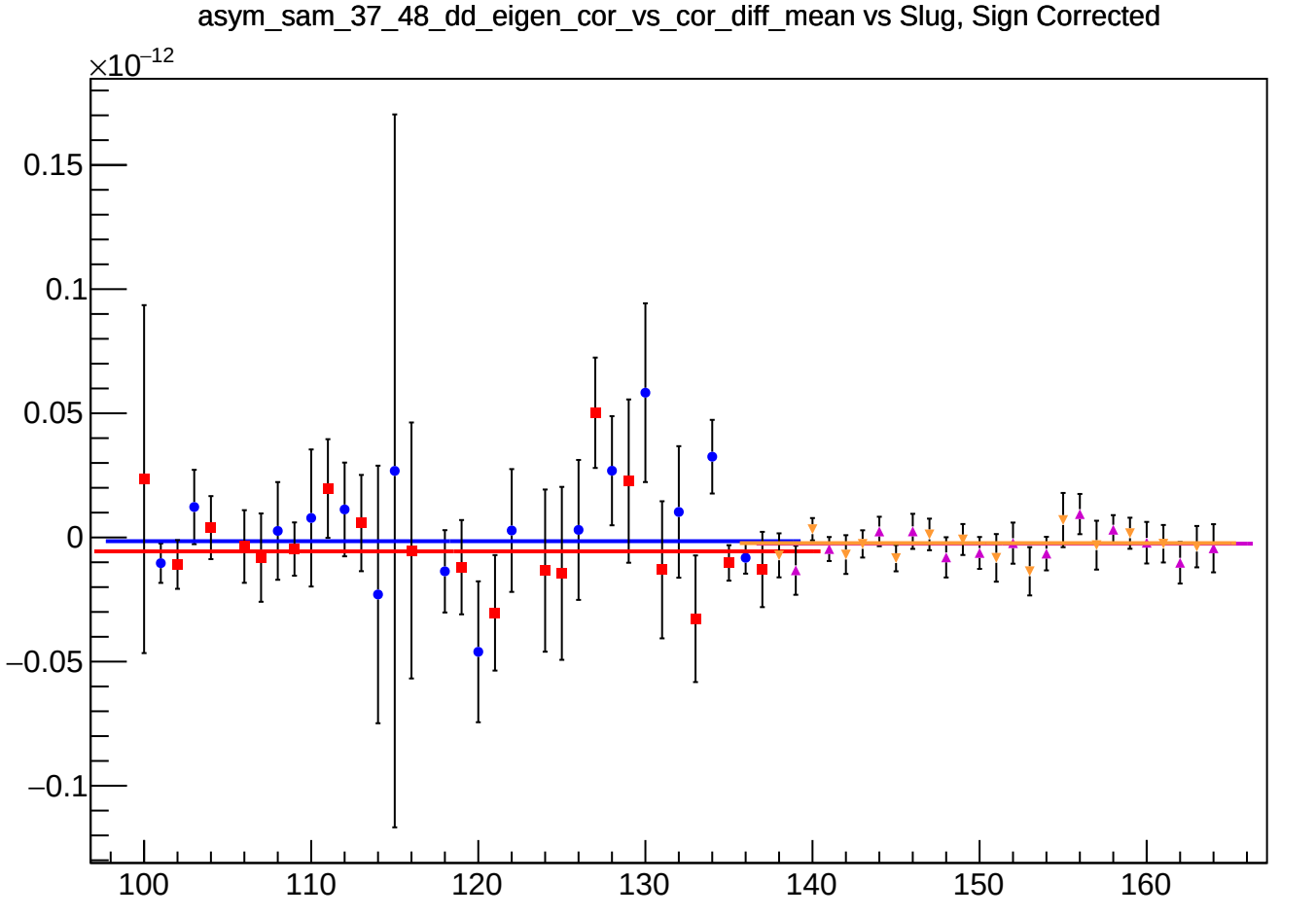
Left: 28.485+/-0.004 χ^2/NDF: 1168169.7/26

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.702+/-0.005 χ^2/NDF:958245.0/28

Out: 29.655+/-0.005 χ^2/NDF:1430356.7/32

All: 29.168+/-0.004 χ^2/NDF: 2406893.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/12

Left: -0.000+/-0.000 χ^2/NDF: 14.5/26

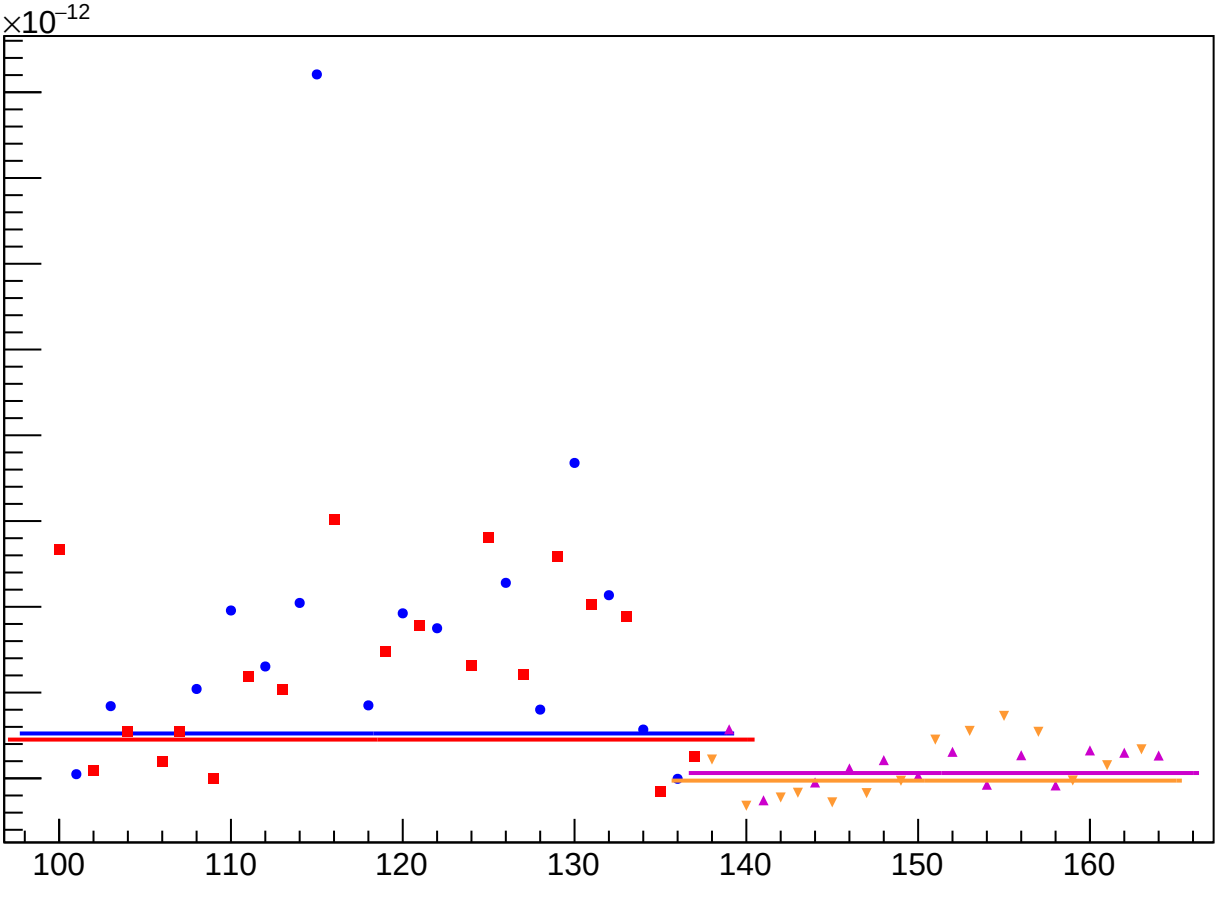
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:24.7/28

Out: -0.000+/-0.000 χ^2/NDF:20.8/32

All: -0.000+/-0.000 χ^2/NDF: 45.5/61

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1288066.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:628046.8/12

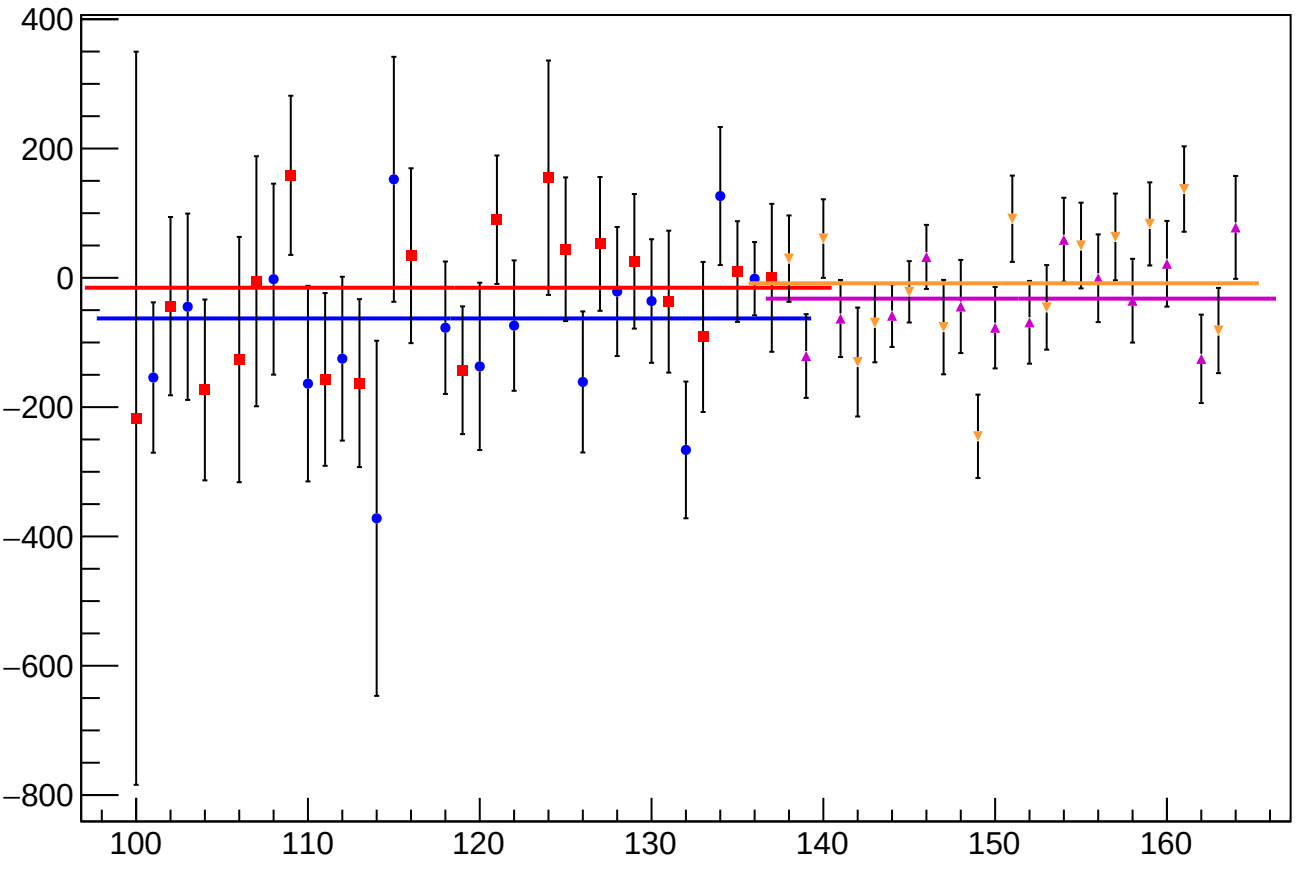
Left: 0.000+/-0.000 χ^2/NDF: 1970315.7/26

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3226089.0/28

Out: 0.000+/-0.000 χ^2/NDF:3971462.2/32

All: 0.000+/-0.000 χ^2/NDF: 7264028.6/61



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.416+/-17.189 χ^2/NDF:31.7/13

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -32.181+/-17.311 χ^2/NDF:11.6/12

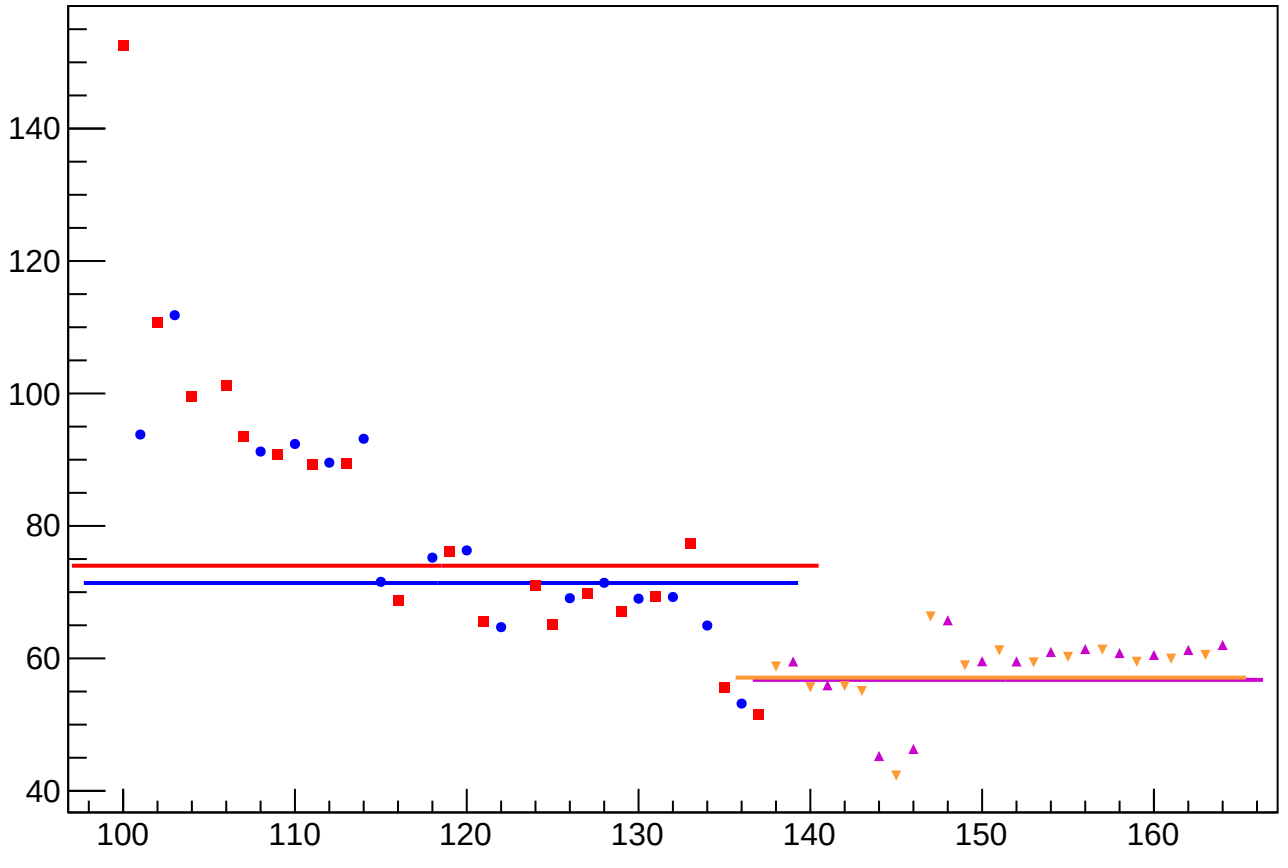
Left: -20.215+/-12.198 χ^2/NDF: 44.3/26

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -41.001+/-14.606 χ^2/NDF:26.0/28

Out: -10.320+/-14.616 χ^2/NDF:43.2/32

All: -25.670+/-10.332 χ^2/NDF: 71.4/61



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 57.098+/-0.012 χ^2/NDF:267353.5/13

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 56.762+/-0.012 χ^2/NDF:294384.4/12

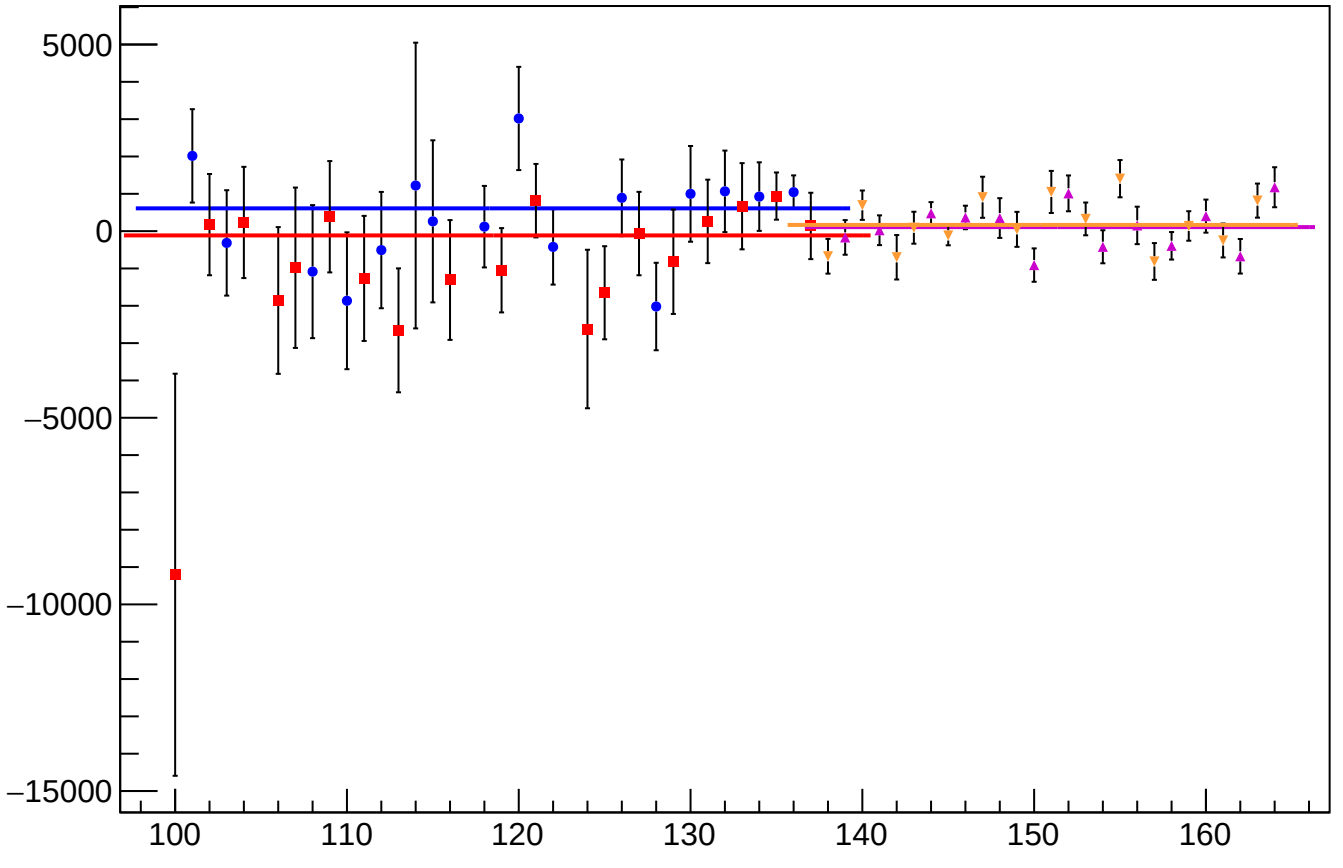
Left: 56.931+/-0.009 χ^2/NDF: 562118.1/26

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.974+/-0.010 χ^2/NDF:1296335.9/28

Out: 61.778+/-0.010 χ^2/NDF:1441054.8/32

All: 61.376+/-0.007 χ^2/NDF: 2740420.8/61



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 166.540+/-116.127 χ^2/NDF:25.8/13

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 107.982+/-115.700 χ^2/NDF:22.1/12

Left: 137.153+/-81.963 χ^2/NDF: 48.0/26

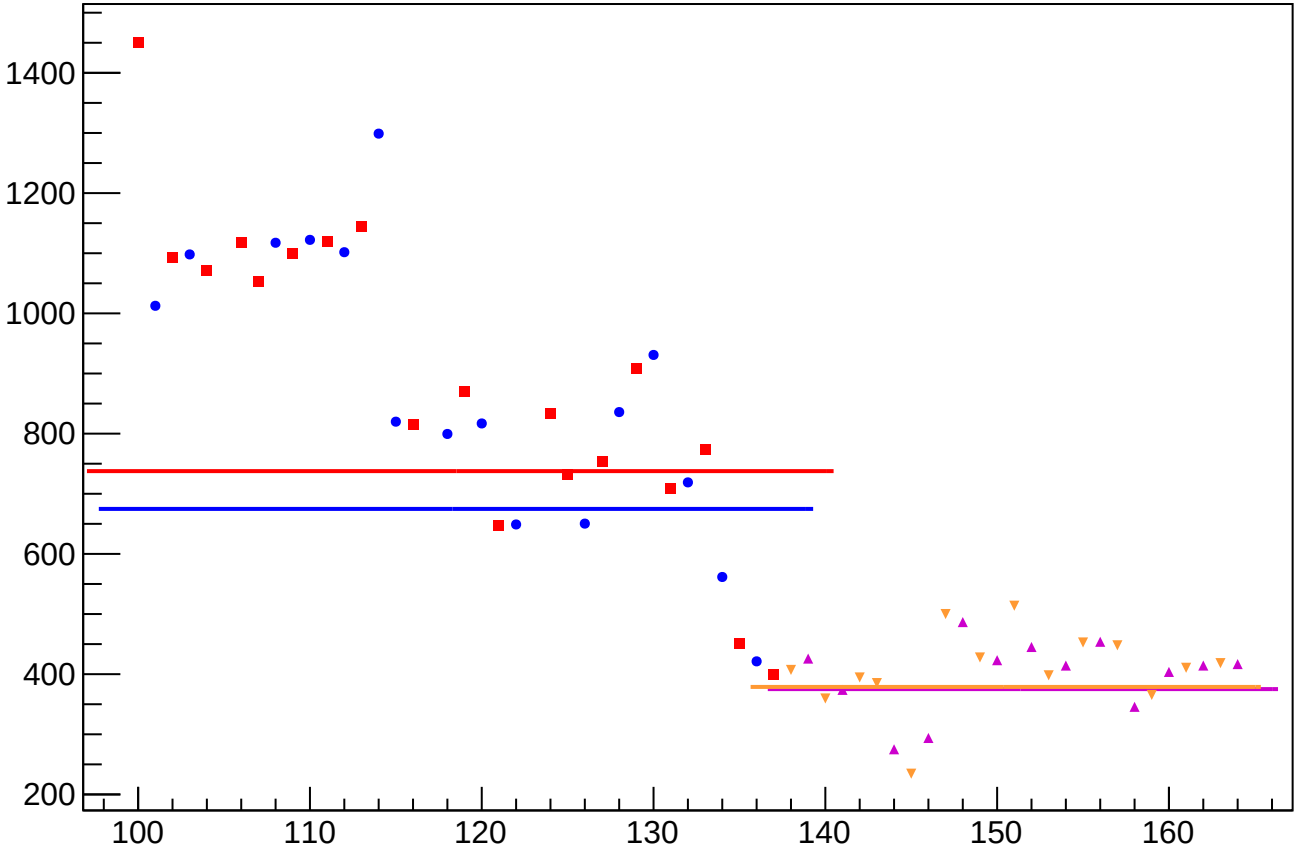
Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 187.535+/-106.149 χ^2/NDF:40.7/28

Out: 126.338+/-107.505 χ^2/NDF:42.2/32

All: 157.325+/-75.534 χ^2/NDF: 83.1/61

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: 378.797+/-0.082 χ^2/NDF:960929.6/13

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 375.174+/-0.082 χ^2/NDF:645937.4/12

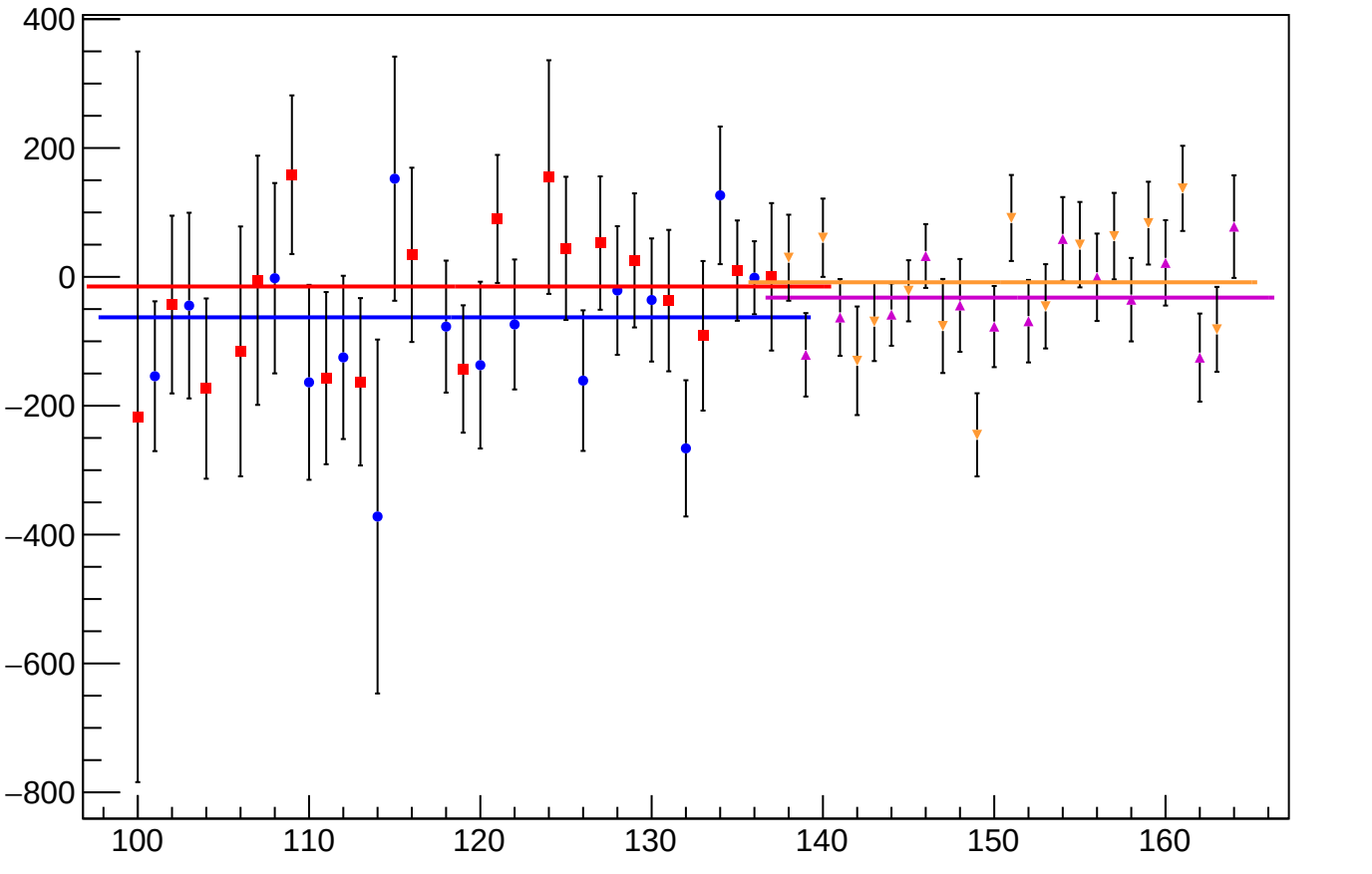
Left: 376.979+/-0.058 χ^2/NDF: 1607843.8/26

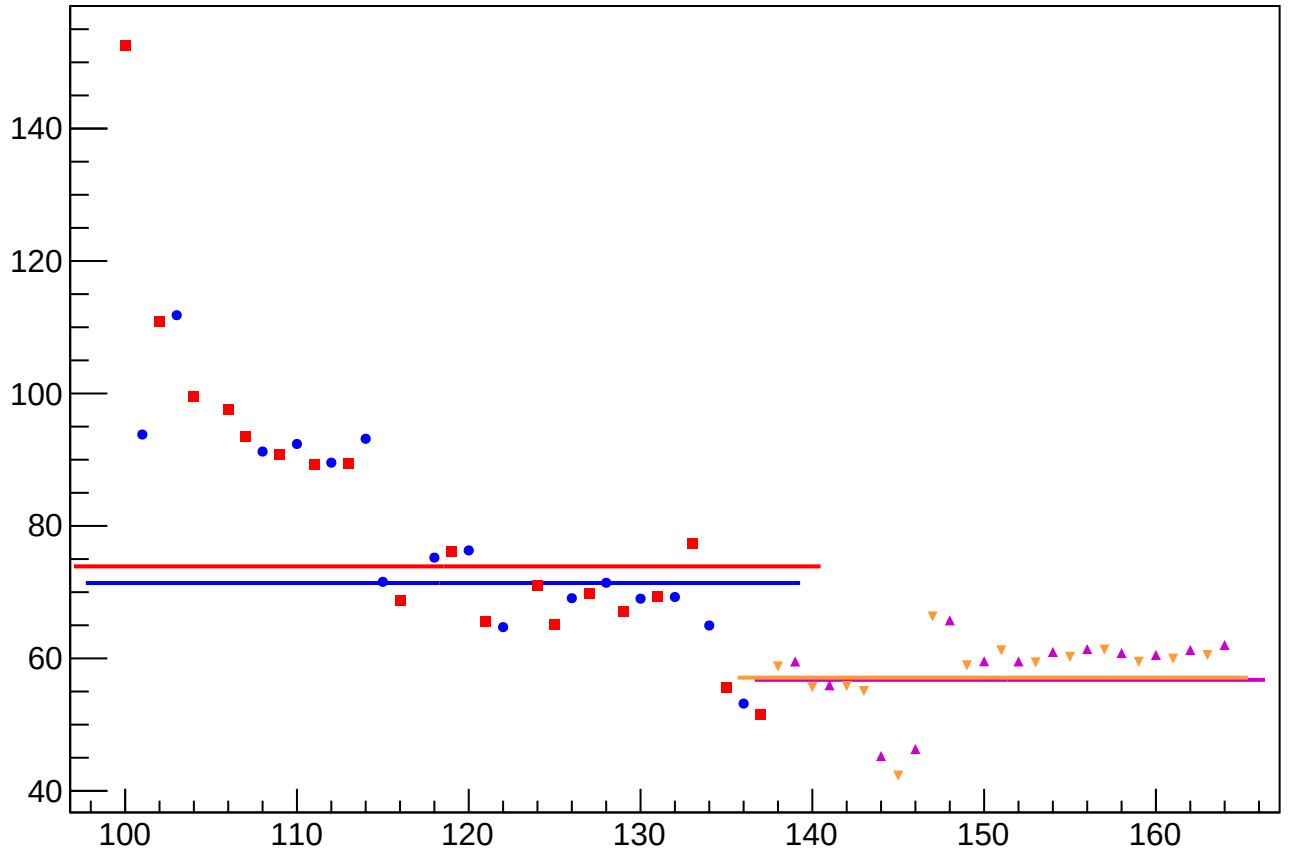
Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 422.607+/-0.075 χ^2/NDF:4387077.2/28

Out: 430.109+/-0.076 χ^2/NDF:5208690.0/32

All: 426.310+/-0.053 χ^2/NDF: 9600698.9/61


cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: -62.789+/-27.213 χ²/NDF: 13.5/15
Left Out: -8.418+/-17.189 χ²/NDF:31.7/13
Right Out: -14.932+/-27.783 χ²/NDF: 11.4/18
Left In: -32.181+/-17.311 χ²/NDF:11.6/12
Left: -20.215+/-12.198 χ²/NDF: 44.3/26
Right: -39.357+/-19.441 χ²/NDF: 26.4/34
In: -40.999+/-14.606 χ²/NDF:26.0/28
Out: -10.221+/-14.618 χ²/NDF:43.2/32
All: -25.622+/-10.332 χ²/NDF: 71.4/61



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 57.098+/-0.012 χ^2/NDF:267353.5/13

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.762+/-0.012 χ^2/NDF:294384.4/12

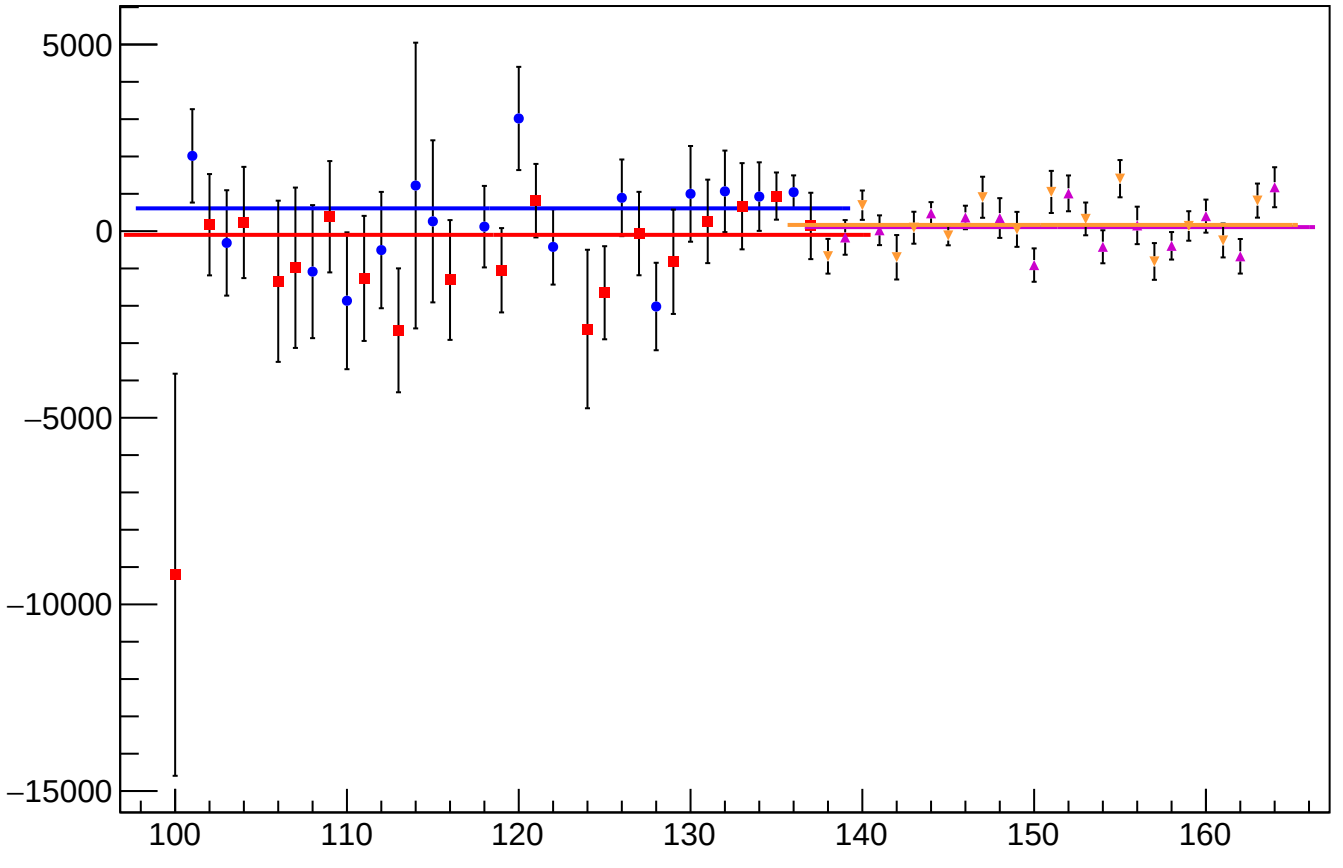
Left: 56.931+/-0.009 χ^2/NDF: 562118.1/26

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.974+/-0.010 χ^2/NDF:1296338.5/28

Out: 61.747+/-0.010 χ^2/NDF:1422957.7/32

All: 61.360+/-0.007 χ^2/NDF: 2722098.0/61



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 166.537+/-116.127 χ^2/NDF:25.8/13

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 107.978+/-115.700 χ^2/NDF:22.1/12

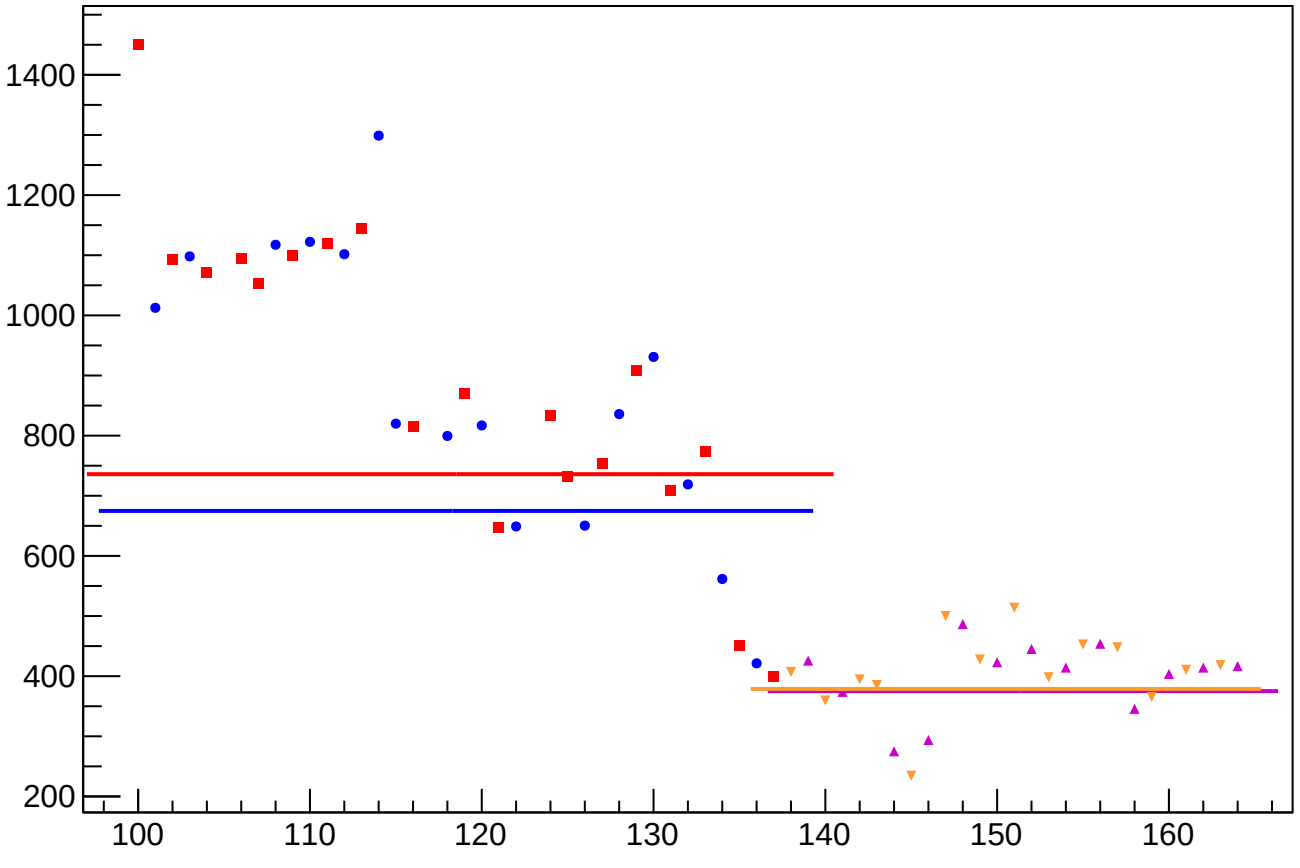
Left: 137.150+/-81.963 χ^2/NDF: 48.0/26

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 187.530+/-106.149 χ^2/NDF:40.7/28

Out: 128.610+/-107.533 χ^2/NDF:41.7/32

All: 158.452+/-75.543 χ^2/NDF: 82.6/61



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 378.797+/-0.082 χ^2/NDF:960936.7/13

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 375.174+/-0.082 χ^2/NDF:645939.4/12

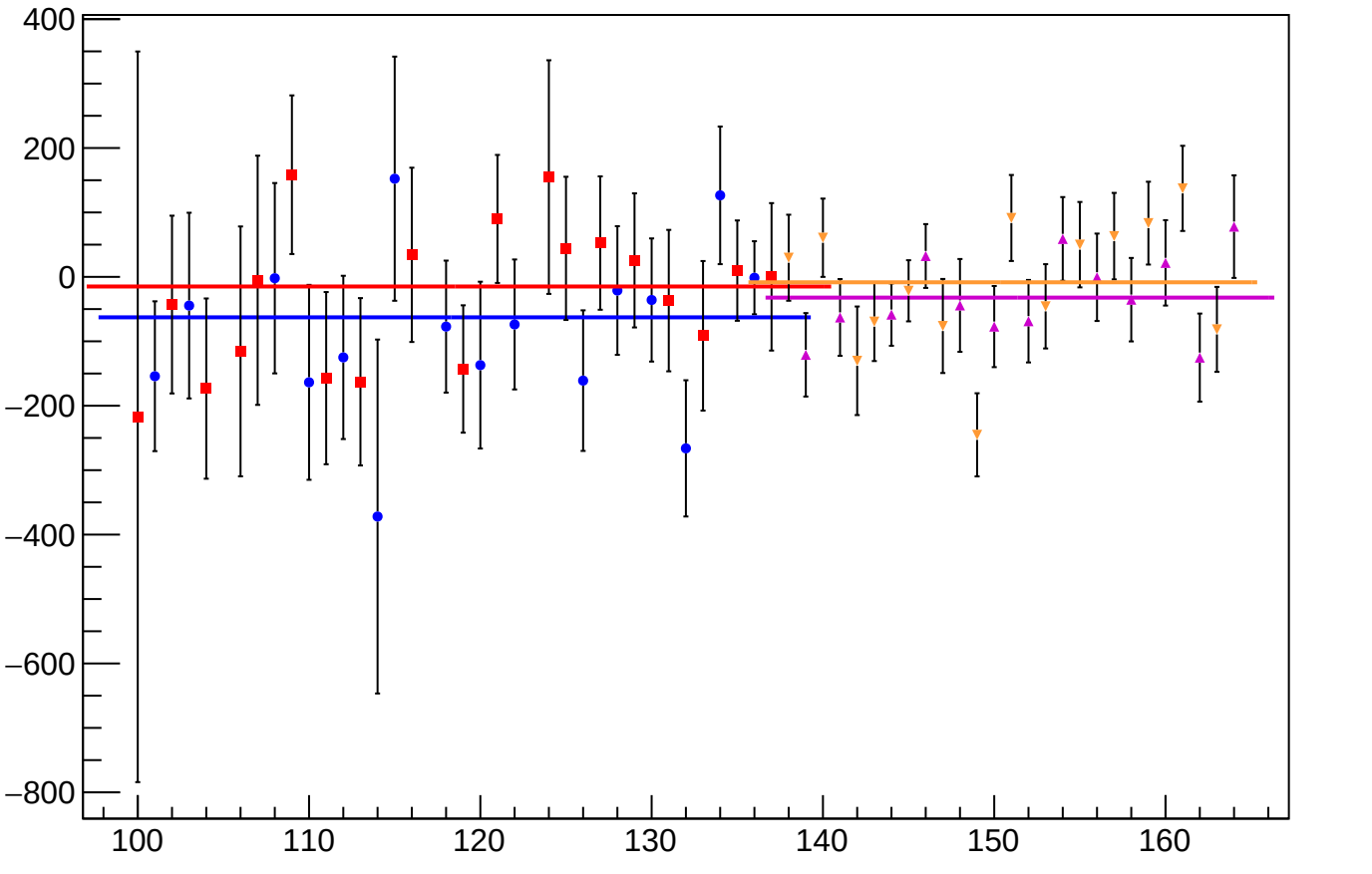
Left: 376.979+/-0.058 χ^2/NDF: 1607852.7/26

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 422.607+/-0.075 χ^2/NDF:4387101.1/28

Out: 429.698+/-0.076 χ^2/NDF:5153841.1/32

All: 426.106+/-0.053 χ^2/NDF: 9545347.5/61



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.418+/-17.189 χ^2/NDF:31.7/13

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -32.181+/-17.311 χ^2/NDF:11.6/12

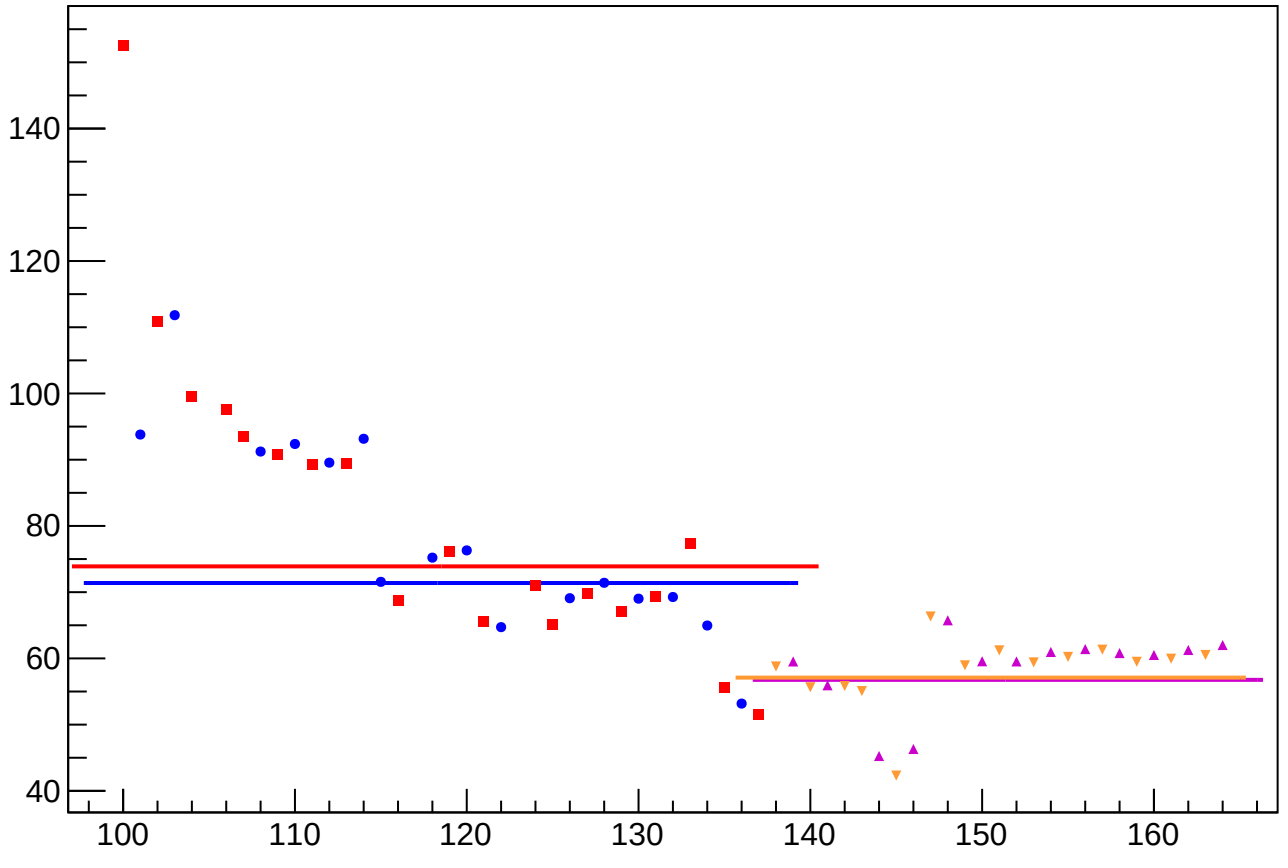
Left: -20.215+/-12.198 χ^2/NDF: 44.3/26

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -40.999+/-14.606 χ^2/NDF:26.0/28

Out: -10.221+/-14.618 χ^2/NDF:43.2/32

All: -25.622+/-10.332 χ^2/NDF: 71.4/61



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 57.098+/-0.012 χ^2/NDF:267353.5/13

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.762+/-0.012 χ^2/NDF:294384.4/12

Left: 56.931+/-0.009 χ^2/NDF: 562118.1/26

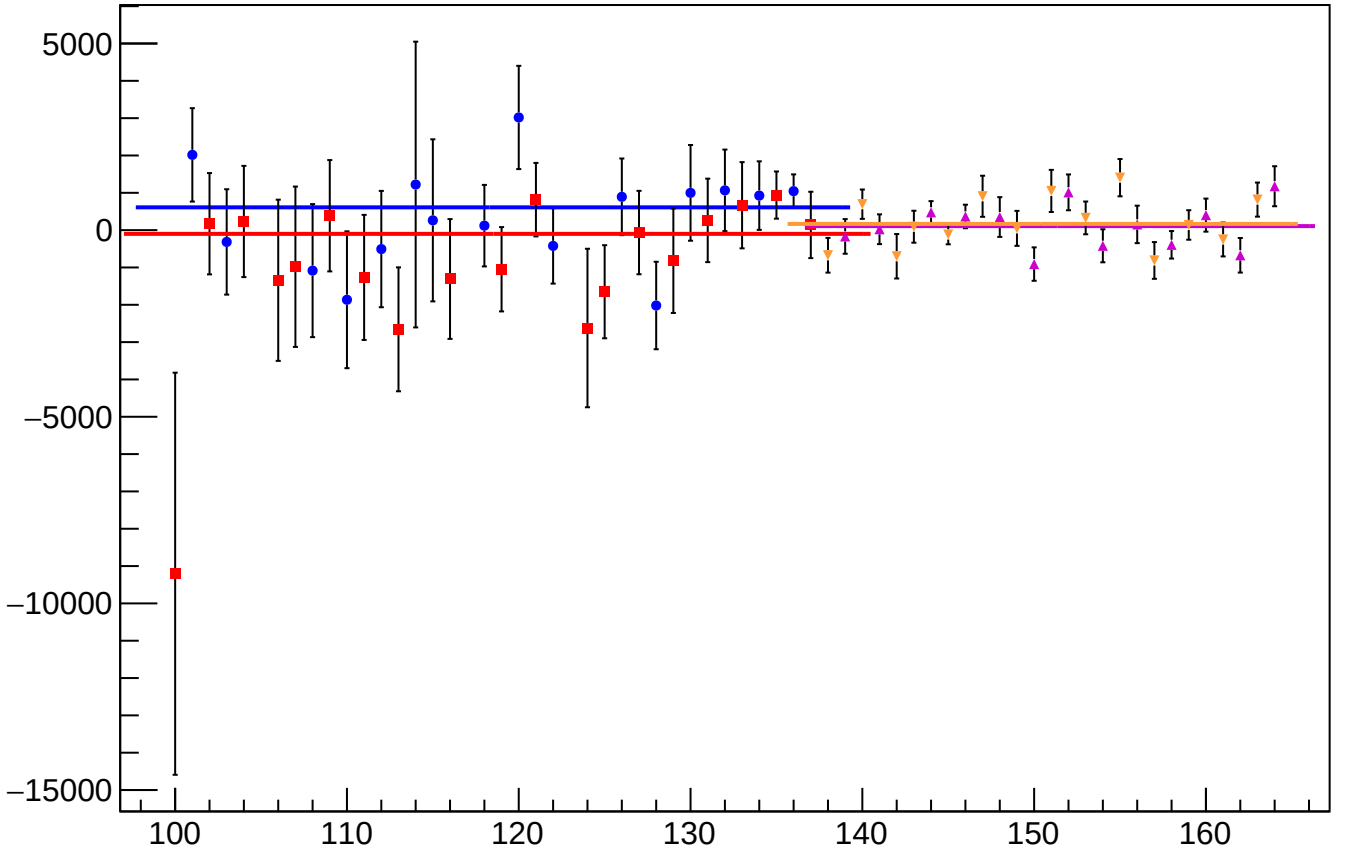
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.974+/-0.010 χ^2/NDF:1296338.5/28

Out: 61.747+/-0.010 χ^2/NDF:1422957.7/32

All: 61.360+/-0.007 χ^2/NDF: 2722098.0/61

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: 166.537+/-116.127 χ^2/NDF:25.8/13

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 107.978+/-115.700 χ^2/NDF:22.1/12

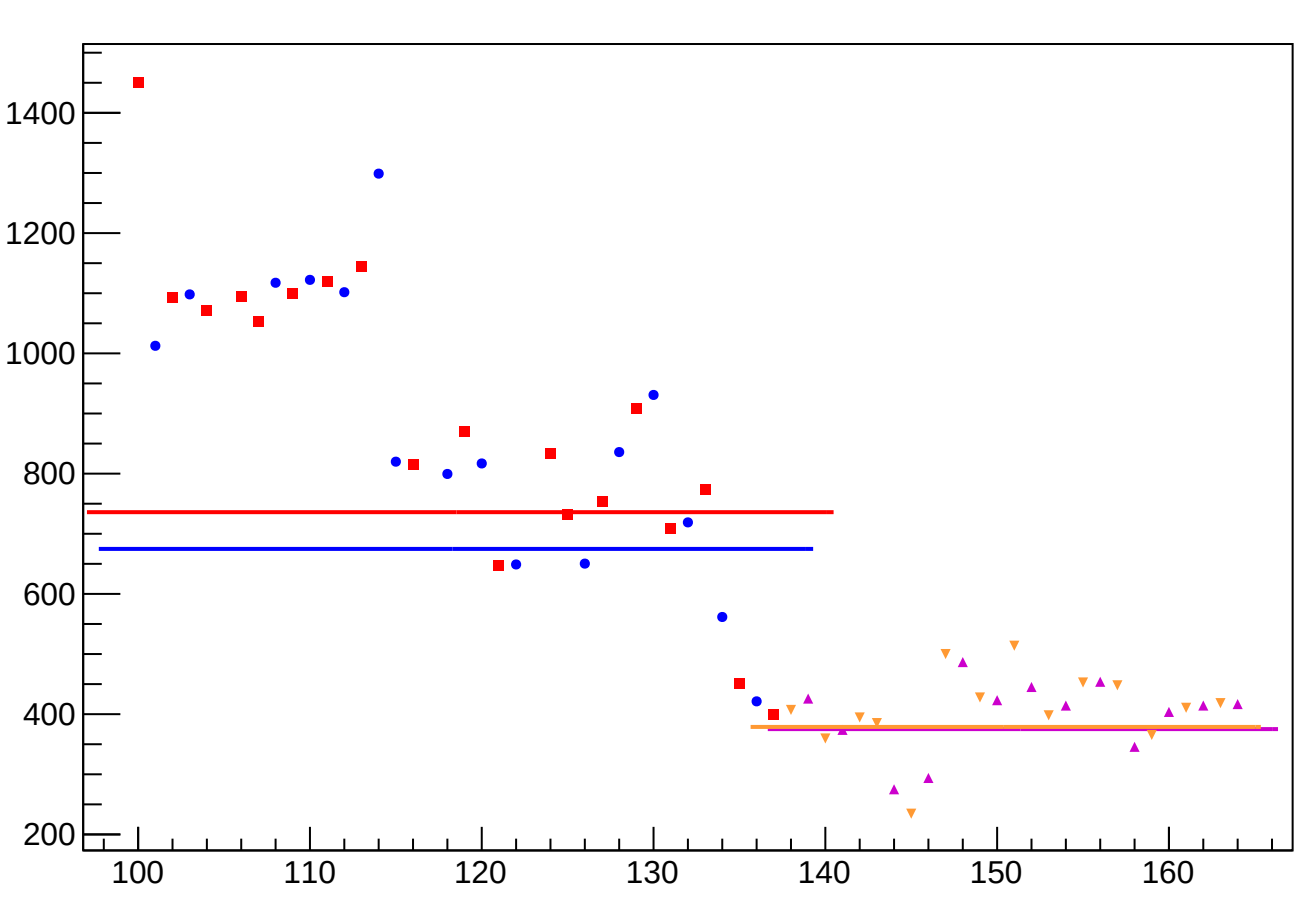
Left: 137.150+/-81.963 χ^2/NDF: 48.0/26

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 187.530+/-106.149 χ^2/NDF:40.7/28

Out: 128.610+/-107.533 χ^2/NDF:41.7/32

All: 158.452+/-75.543 χ^2/NDF: 82.6/61



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 378.797+/-0.082 χ^2/NDF:960936.7/13

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 375.174+/-0.082 χ^2/NDF:645939.4/12

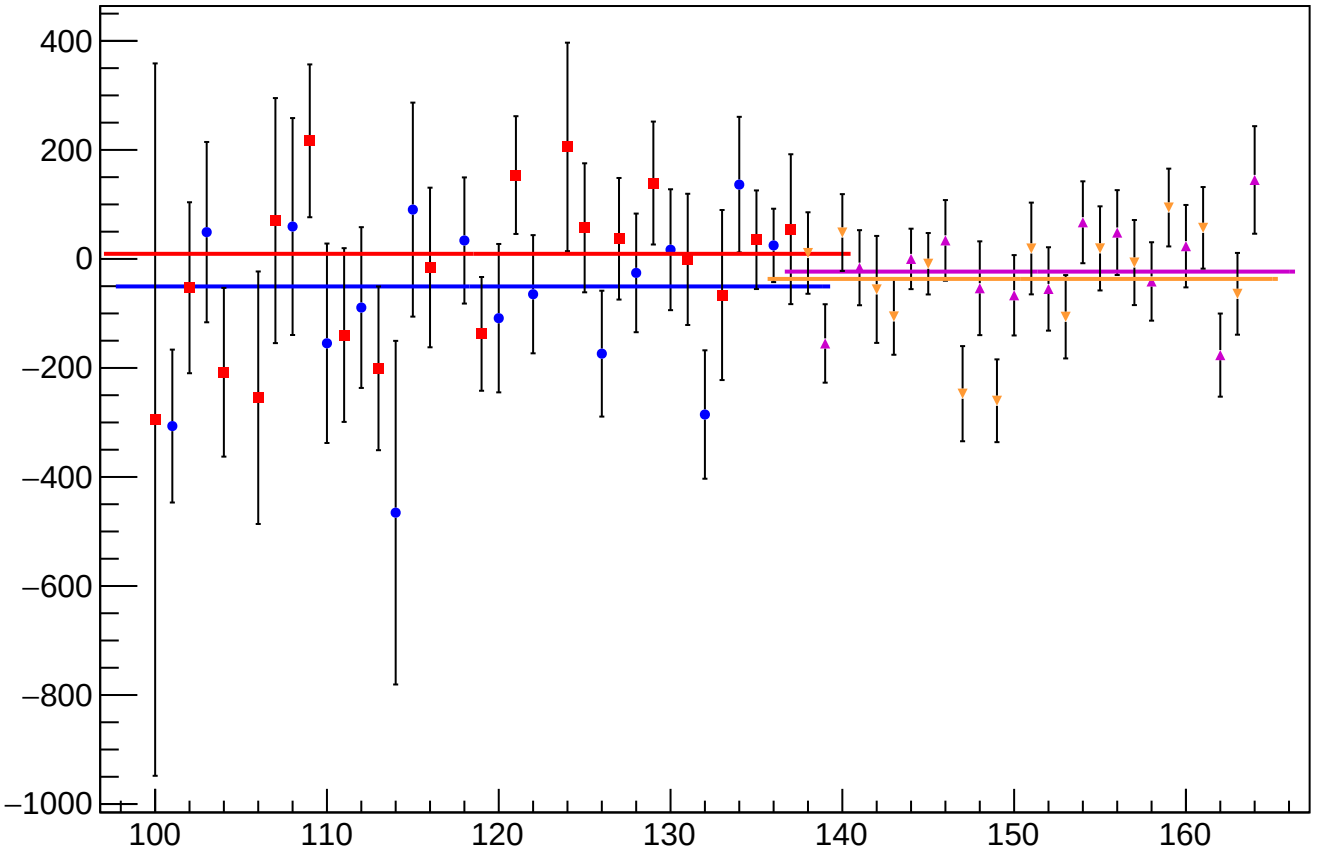
Left: 376.979+/-0.058 χ^2/NDF: 1607852.7/26

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 422.607+/-0.075 χ^2/NDF:4387101.1/28

Out: 429.698+/-0.076 χ^2/NDF:5153841.1/32

All: 426.106+/-0.053 χ^2/NDF: 9545347.5/61



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -36.668+/-19.986 χ^2/NDF:24.6/13

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -23.251+/-20.466 χ^2/NDF:14.5/12

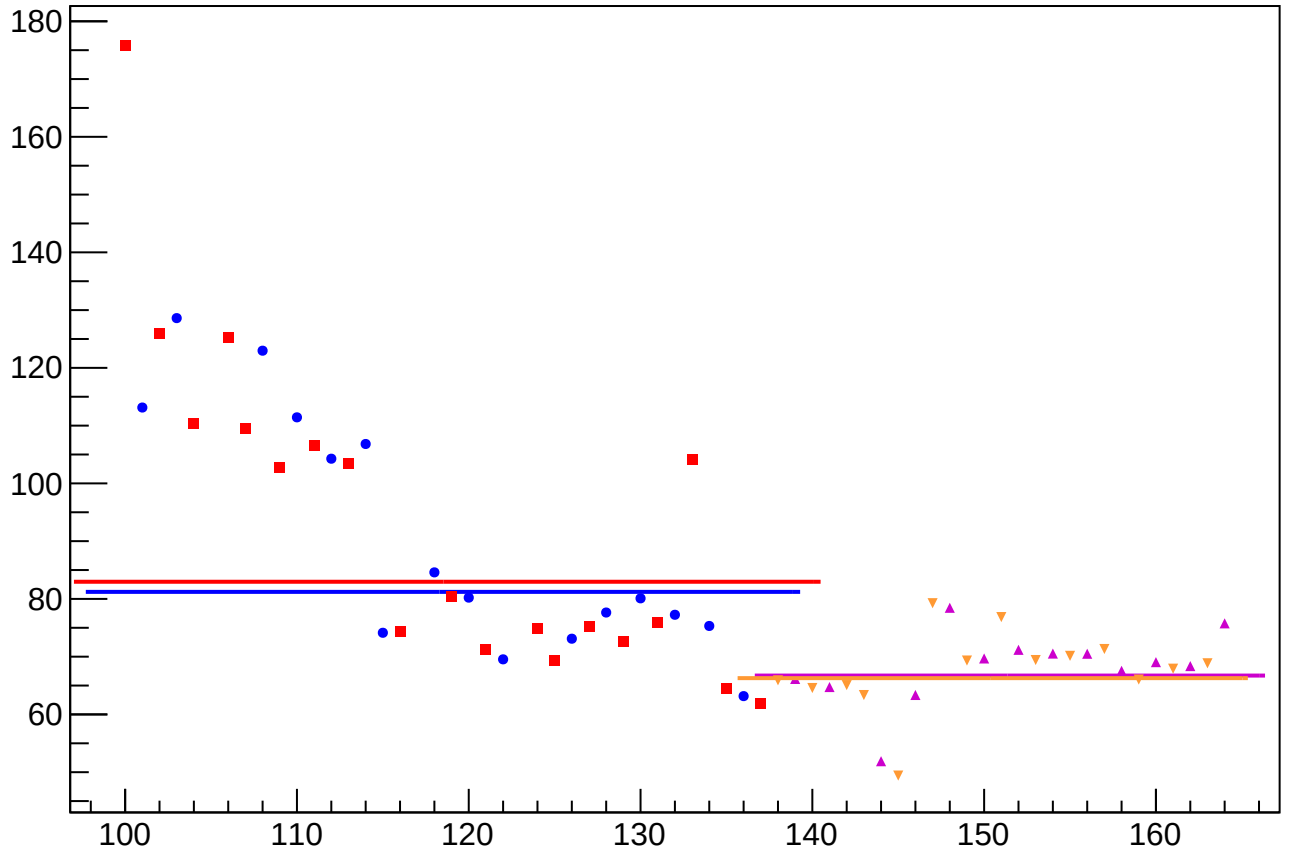
Left: -30.119+/-14.299 χ^2/NDF: 39.3/26

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -31.489+/-17.090 χ^2/NDF:31.4/28

Out: -23.291+/-16.835 χ^2/NDF:41.7/32

All: -27.328+/-11.993 χ^2/NDF: 73.3/61



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 66.282+/-0.014 χ^2/NDF:283169.3/13

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 66.728+/-0.014 χ^2/NDF:226011.5/12

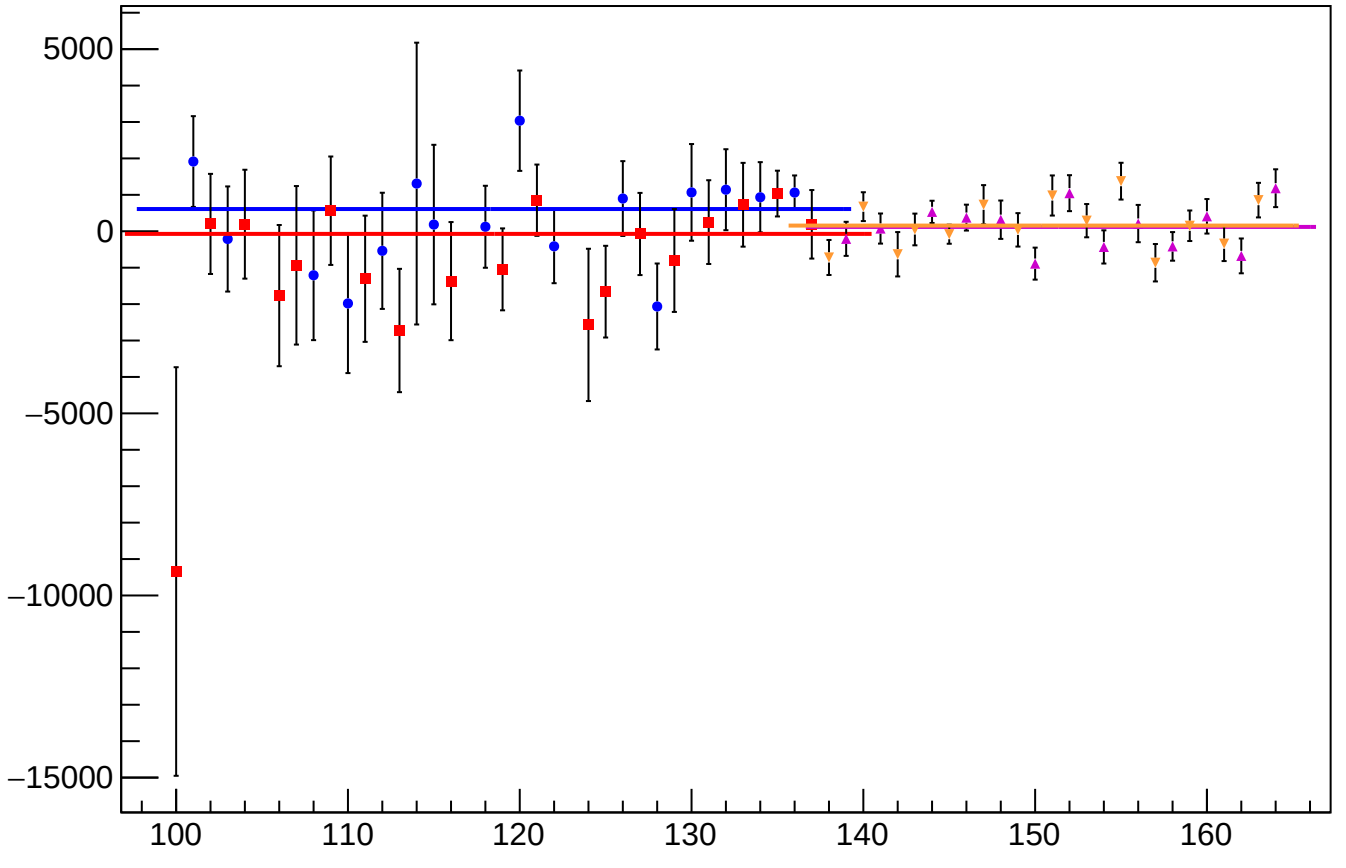
Left: 66.500+/-0.010 χ^2/NDF: 509666.7/26

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.115+/-0.012 χ^2/NDF:1192361.9/28

Out: 71.130+/-0.012 χ^2/NDF:1418640.3/32

All: 71.123+/-0.008 χ^2/NDF: 2611003.0/61



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 155.921+/-118.087 χ^2/NDF:24.1/13

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 119.082+/-119.855 χ^2/NDF:22.5/12

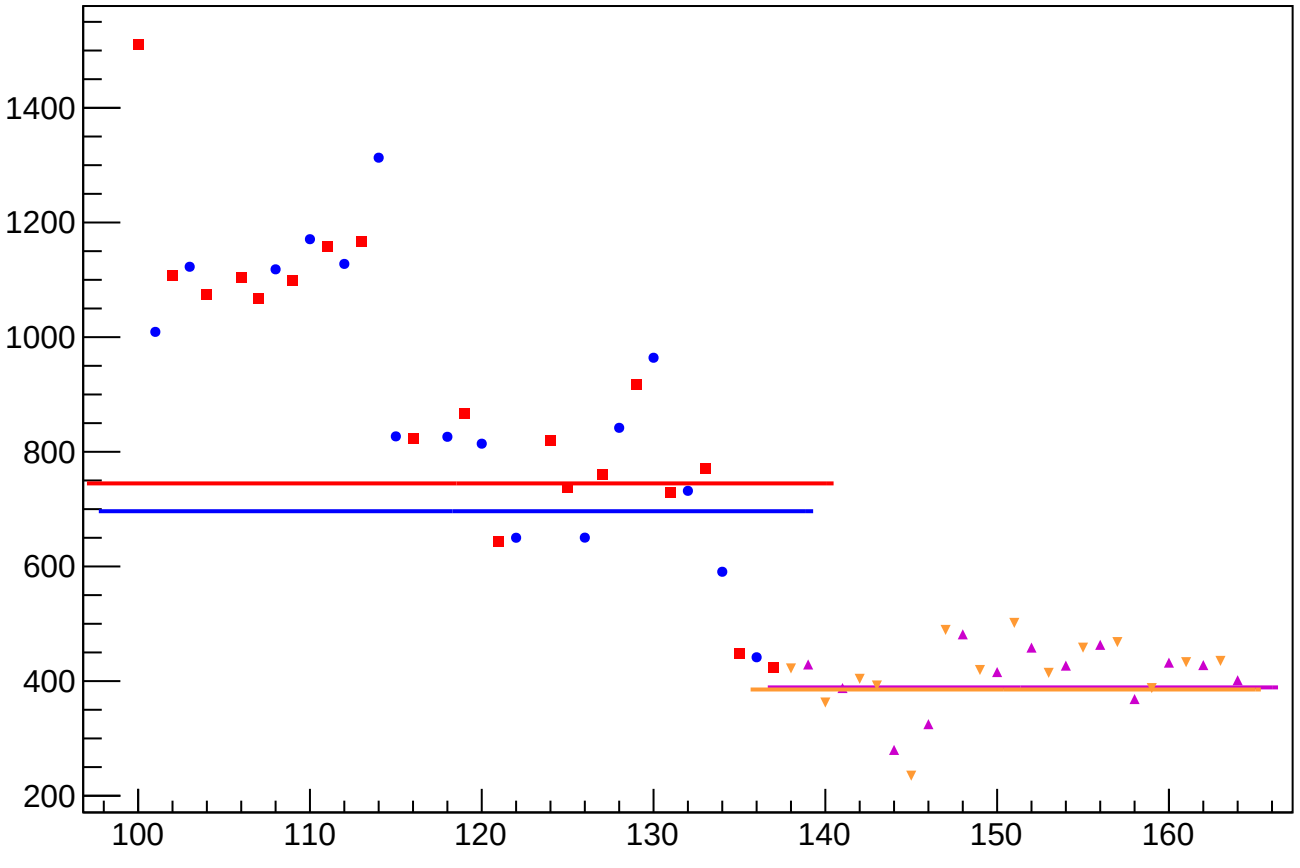
Left: 137.775+/-84.118 χ^2/NDF: 46.6/26

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 197.999+/-109.808 χ^2/NDF:41.0/28

Out: 122.843+/-109.195 χ^2/NDF:40.8/32

All: 160.211+/-77.428 χ^2/NDF: 82.0/61



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 385.368+/-0.083 χ^2/NDF:995821.2/13

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 389.035+/-0.085 χ^2/NDF:536254.4/12

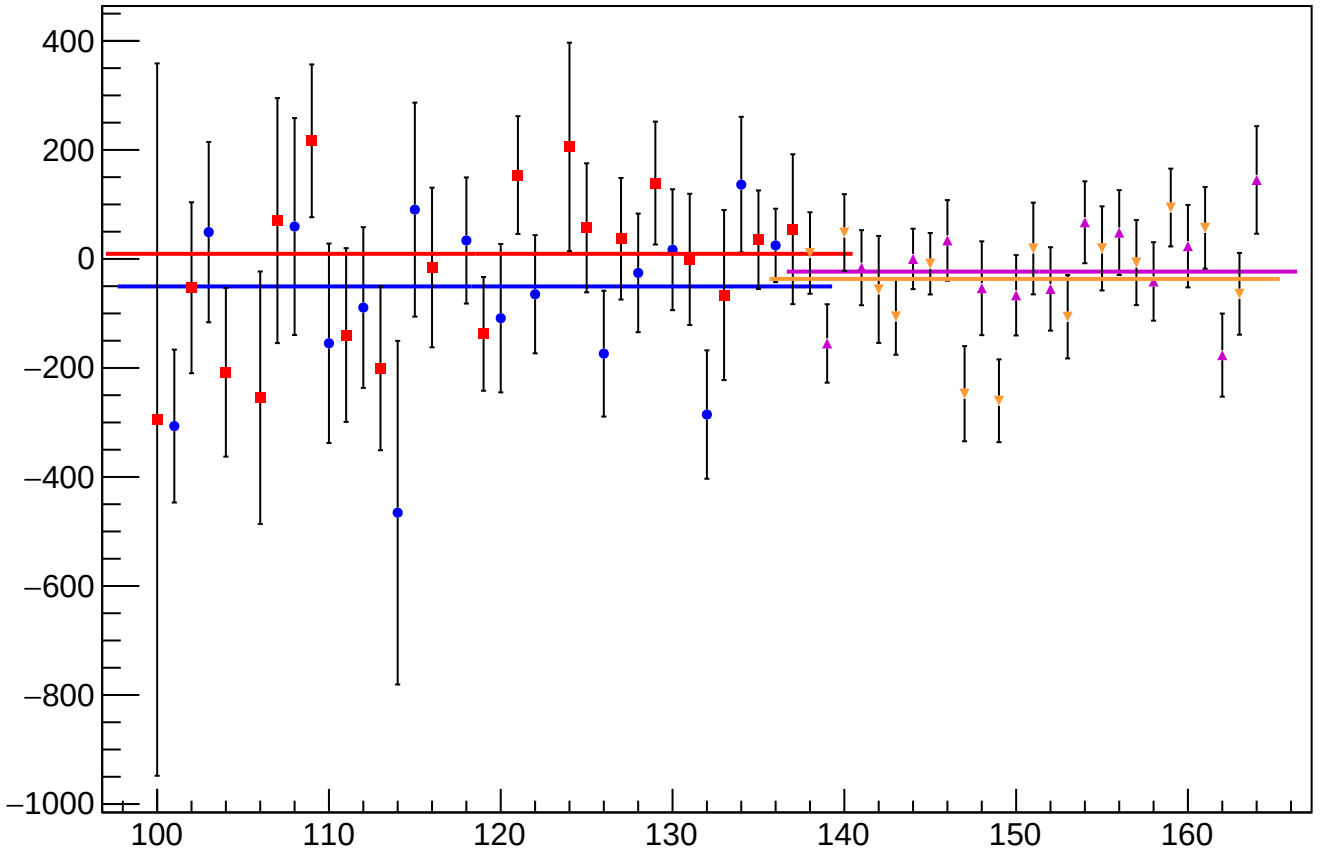
Left: 387.174+/-0.059 χ^2/NDF: 1533026.0/26

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 438.402+/-0.078 χ^2/NDF:4164082.2/28

Out: 437.471+/-0.077 χ^2/NDF:5180751.6/32

All: 437.934+/-0.055 χ^2/NDF: 9344906.2/61



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -36.668+/-19.986 χ^2/NDF:24.6/13

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -23.249+/-20.466 χ^2/NDF:14.5/12

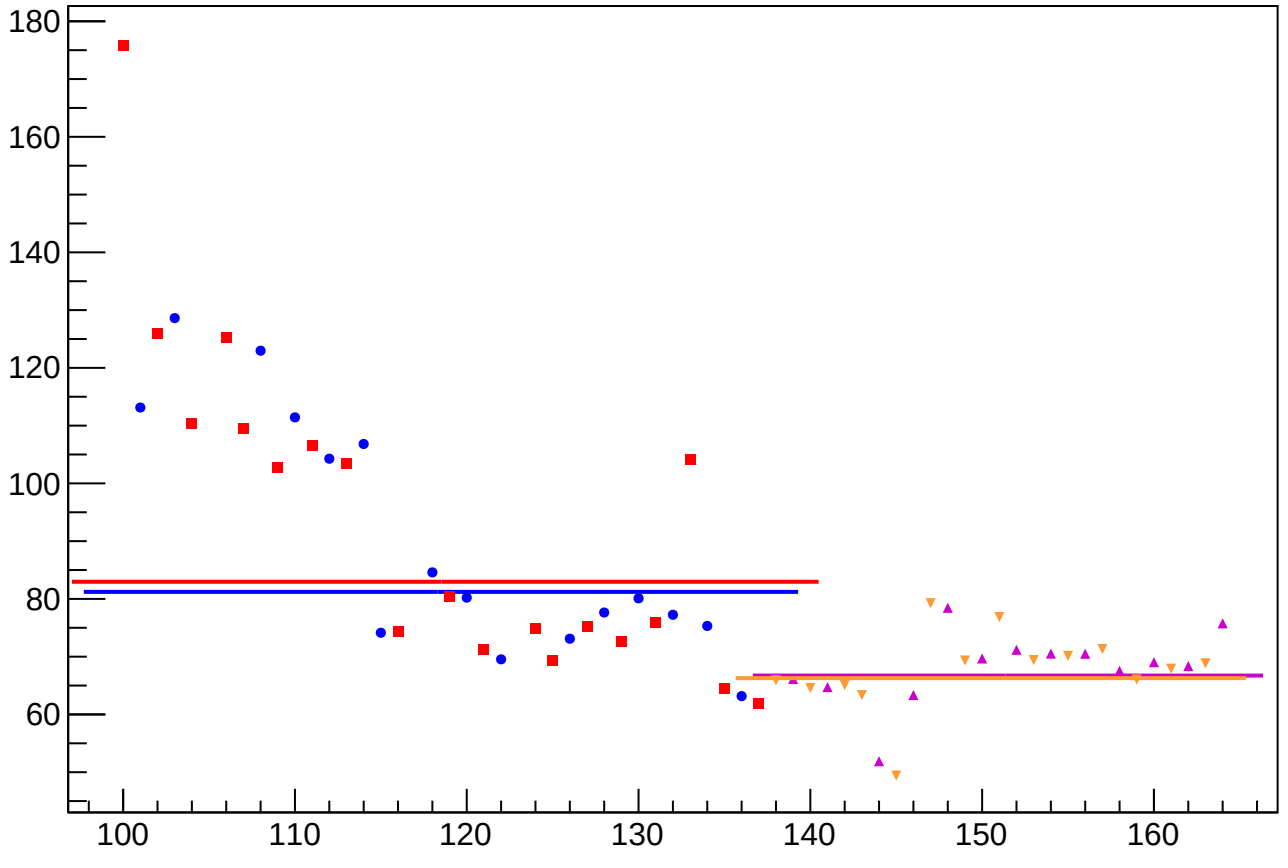
Left: -30.118+/-14.299 χ^2/NDF: 39.3/26

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -31.489+/-17.090 χ^2/NDF:31.4/28

Out: -23.291+/-16.835 χ^2/NDF:41.7/32

All: -27.328+/-11.993 χ^2/NDF: 73.3/61



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 66.282+/-0.014 χ^2/NDF:283163.4/13

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 66.728+/-0.014 χ^2/NDF:226008.9/12

Left: 66.500+/-0.010 χ^2/NDF: 509658.2/26

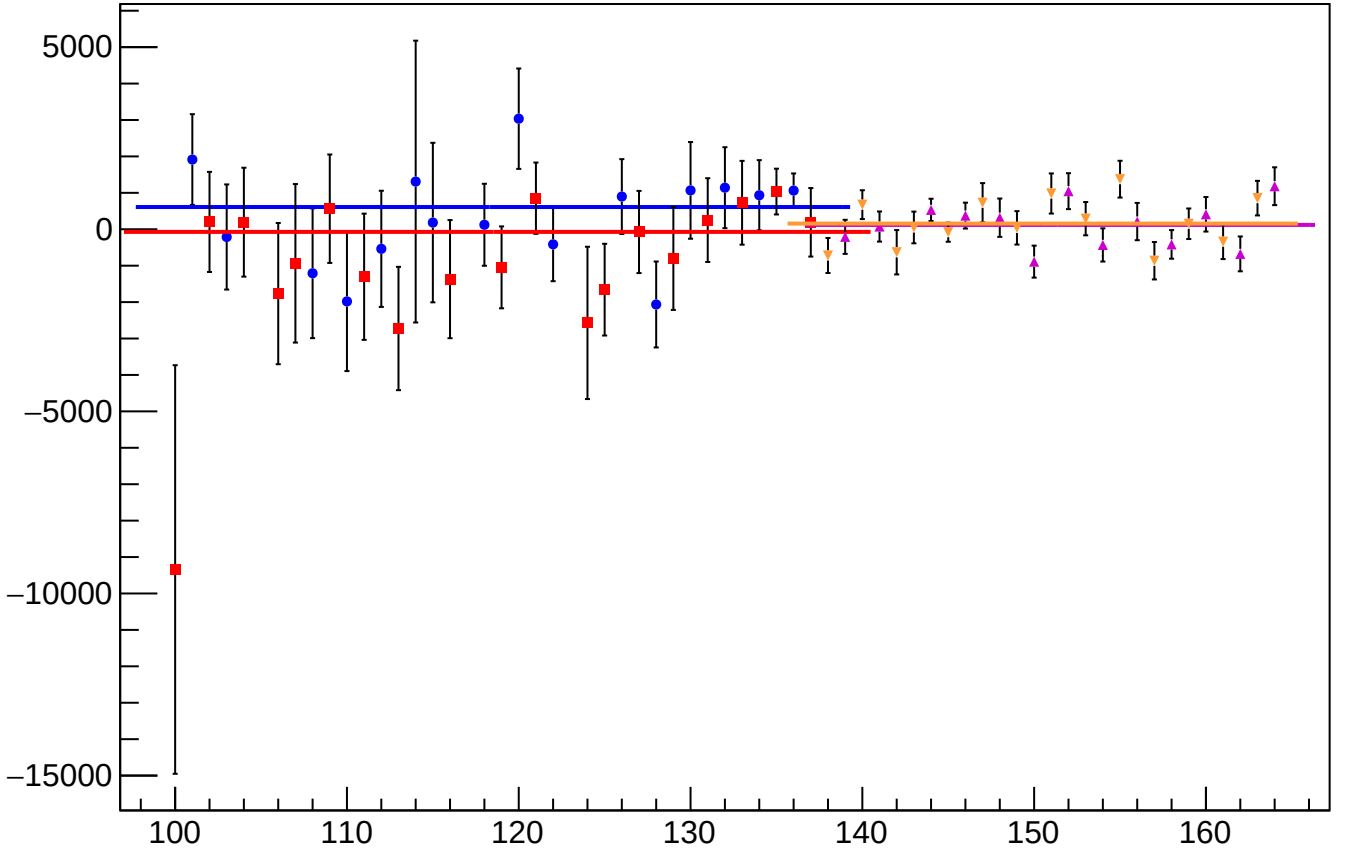
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.115+/-0.012 χ^2/NDF:1192323.5/28

Out: 71.130+/-0.012 χ^2/NDF:1418604.2/32

All: 71.123+/-0.008 χ^2/NDF: 2610928.6/61

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: 155.920+/-118.087 χ^2/NDF:24.1/13

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 119.082+/-119.855 χ^2/NDF:22.5/12

Left: 137.775+/-84.118 χ^2/NDF: 46.6/26

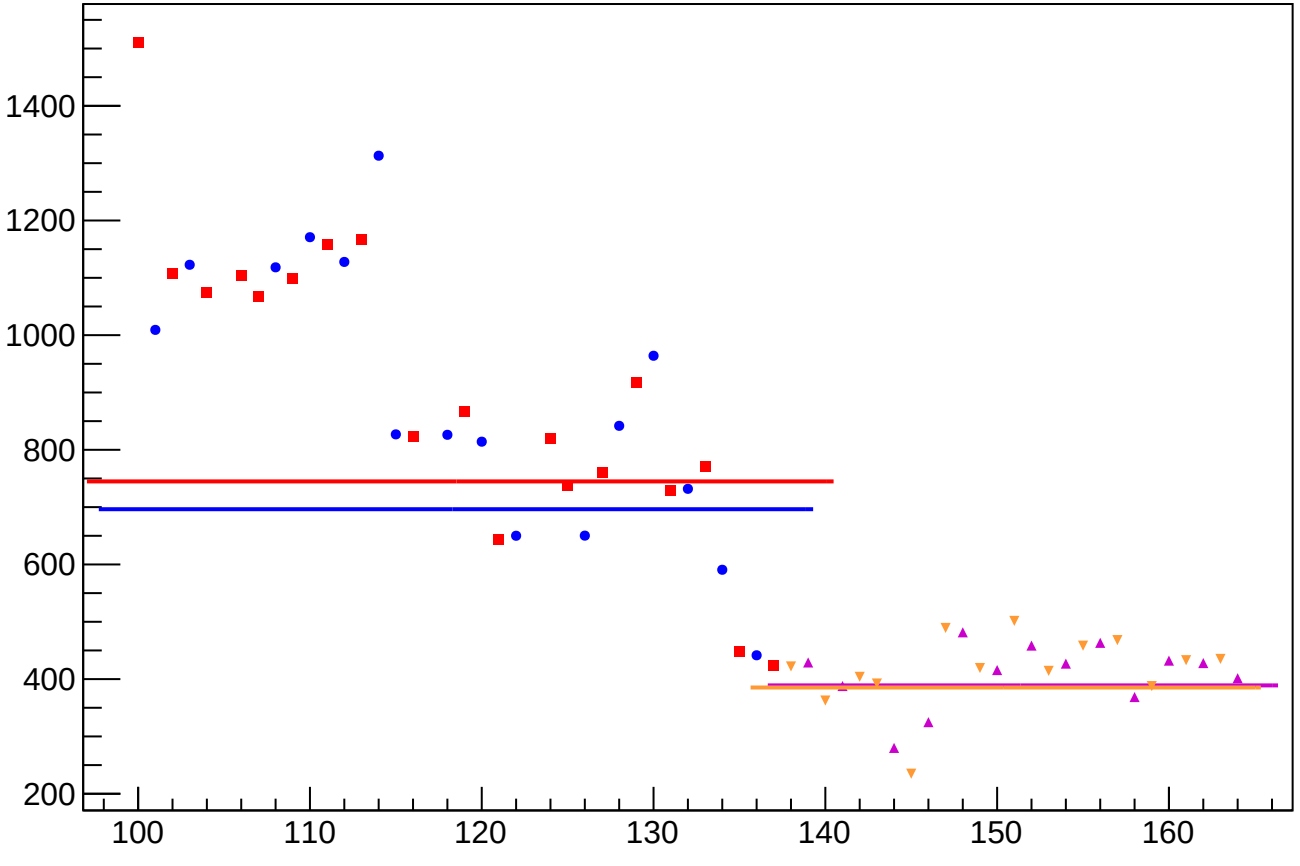
Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 197.999+/-109.808 χ^2/NDF:41.0/28

Out: 122.842+/-109.195 χ^2/NDF:40.8/32

All: 160.210+/-77.428 χ^2/NDF: 82.0/61

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: 385.368+/-0.083 χ^2/NDF:995842.2/13

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 389.036+/-0.085 χ^2/NDF:536261.9/12

Left: 387.174+/-0.059 χ^2/NDF: 1533054.7/26

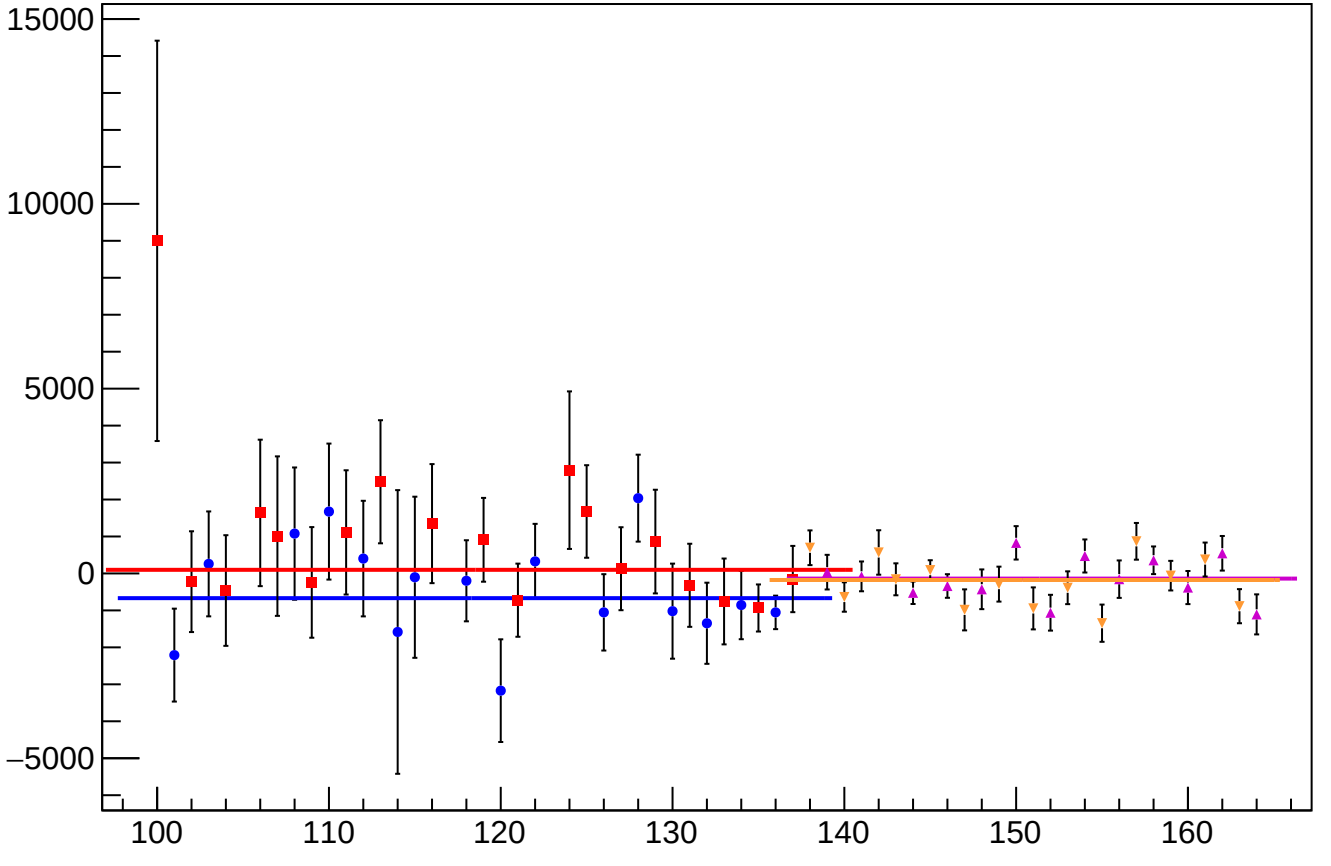
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 438.403+/-0.078 χ^2/NDF:4164065.3/28

Out: 437.471+/-0.077 χ^2/NDF:5180753.2/32

All: 437.934+/-0.055 χ^2/NDF: 9344890.9/61

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -177.031+/-117.477 χ^2/NDF:25.3/13

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -139.473+/-117.062 χ^2/NDF:19.9/12

Left: -158.185+/-82.922 χ^2/NDF: 45.2/26

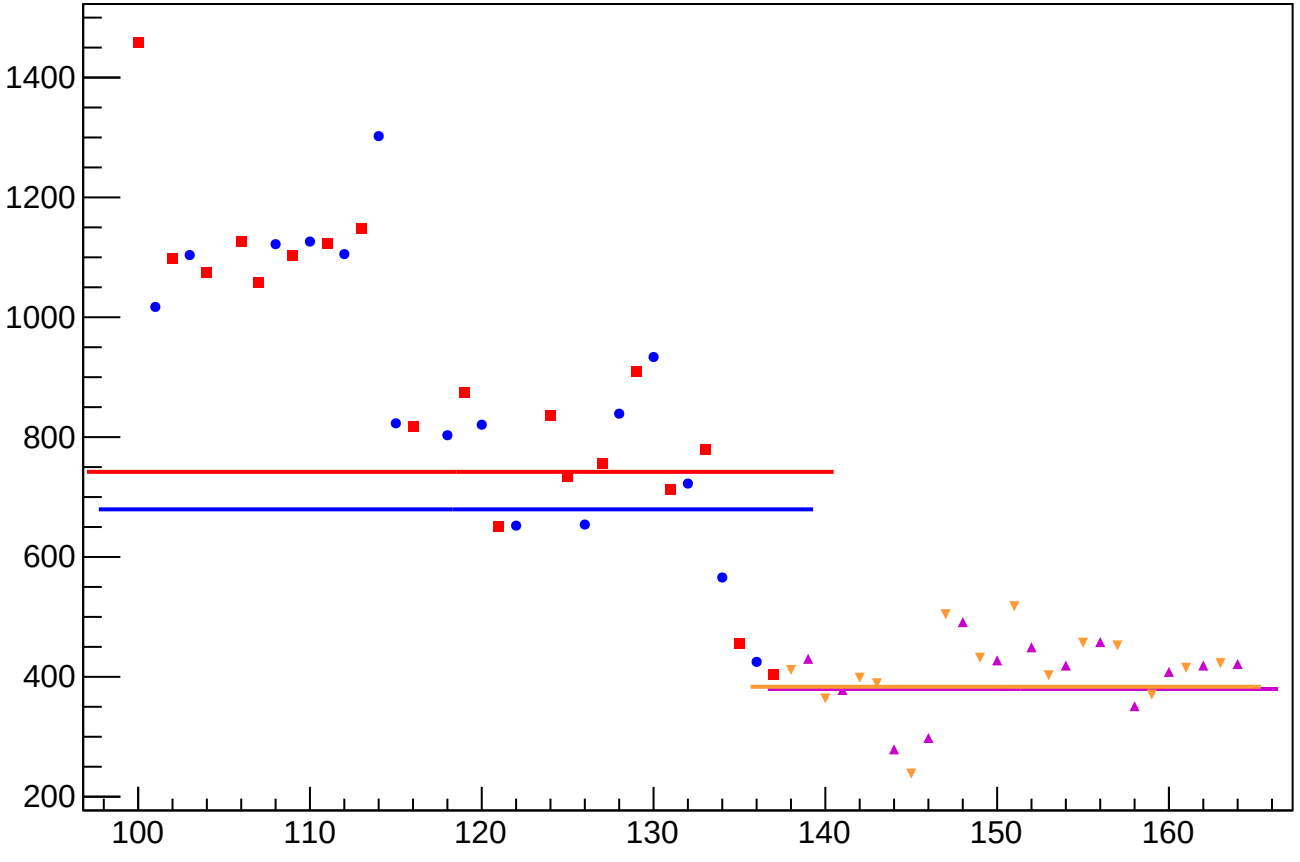
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -223.996+/-107.304 χ^2/NDF:39.3/28

Out: -137.298+/-108.660 χ^2/NDF:40.9/32

All: -181.191+/-76.350 χ^2/NDF: 80.5/61

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 383.438+/-0.083 χ^2/NDF:937913.4/13

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 379.749+/-0.083 χ^2/NDF:633079.8/12

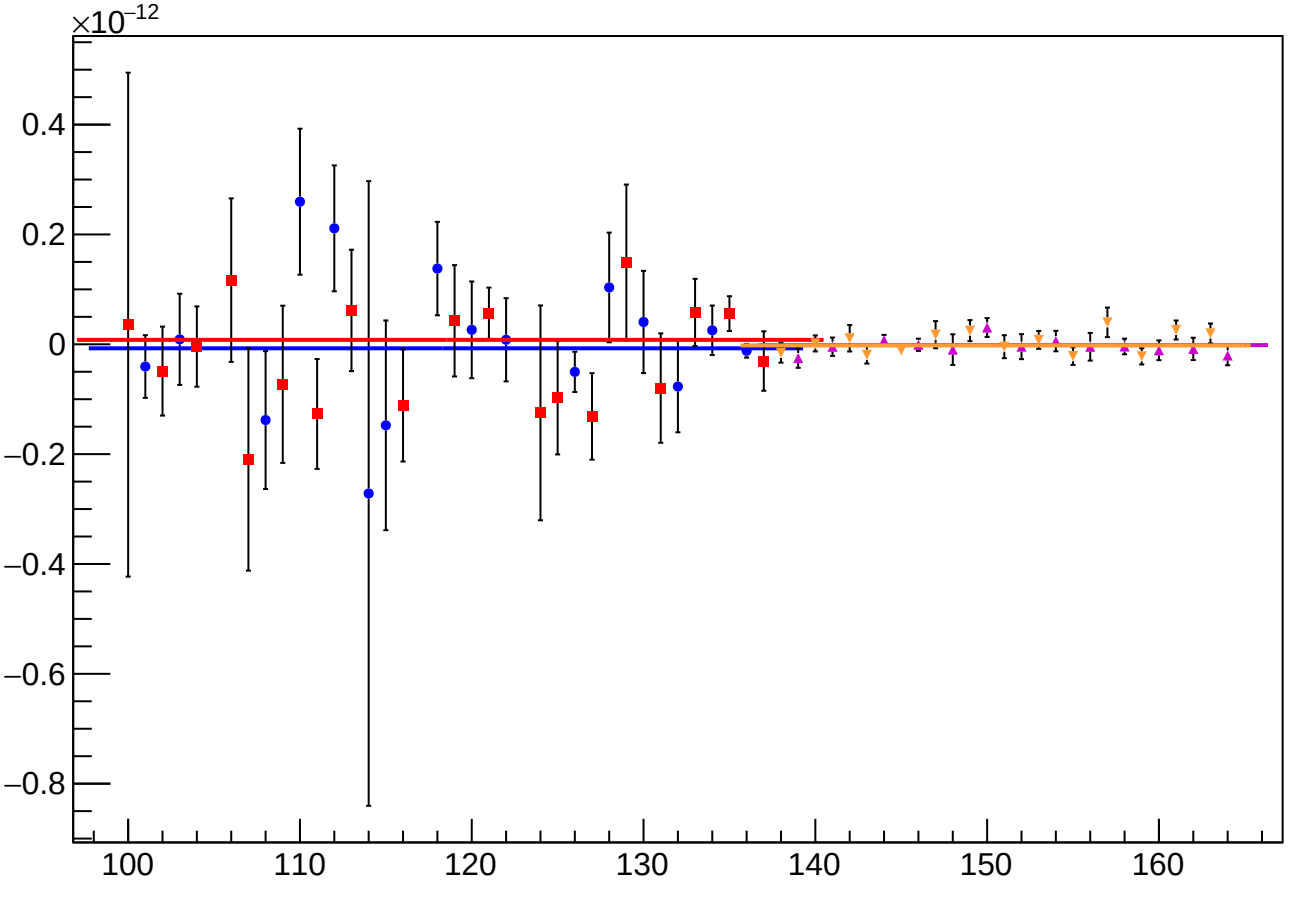
Left: 381.587+/-0.059 χ^2/NDF: 1571982.8/26

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 427.635+/-0.076 χ^2/NDF:4328710.9/28

Out: 435.250+/-0.077 χ^2/NDF:5135187.6/32

All: 431.395+/-0.054 χ^2/NDF: 9468871.4/61



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/12

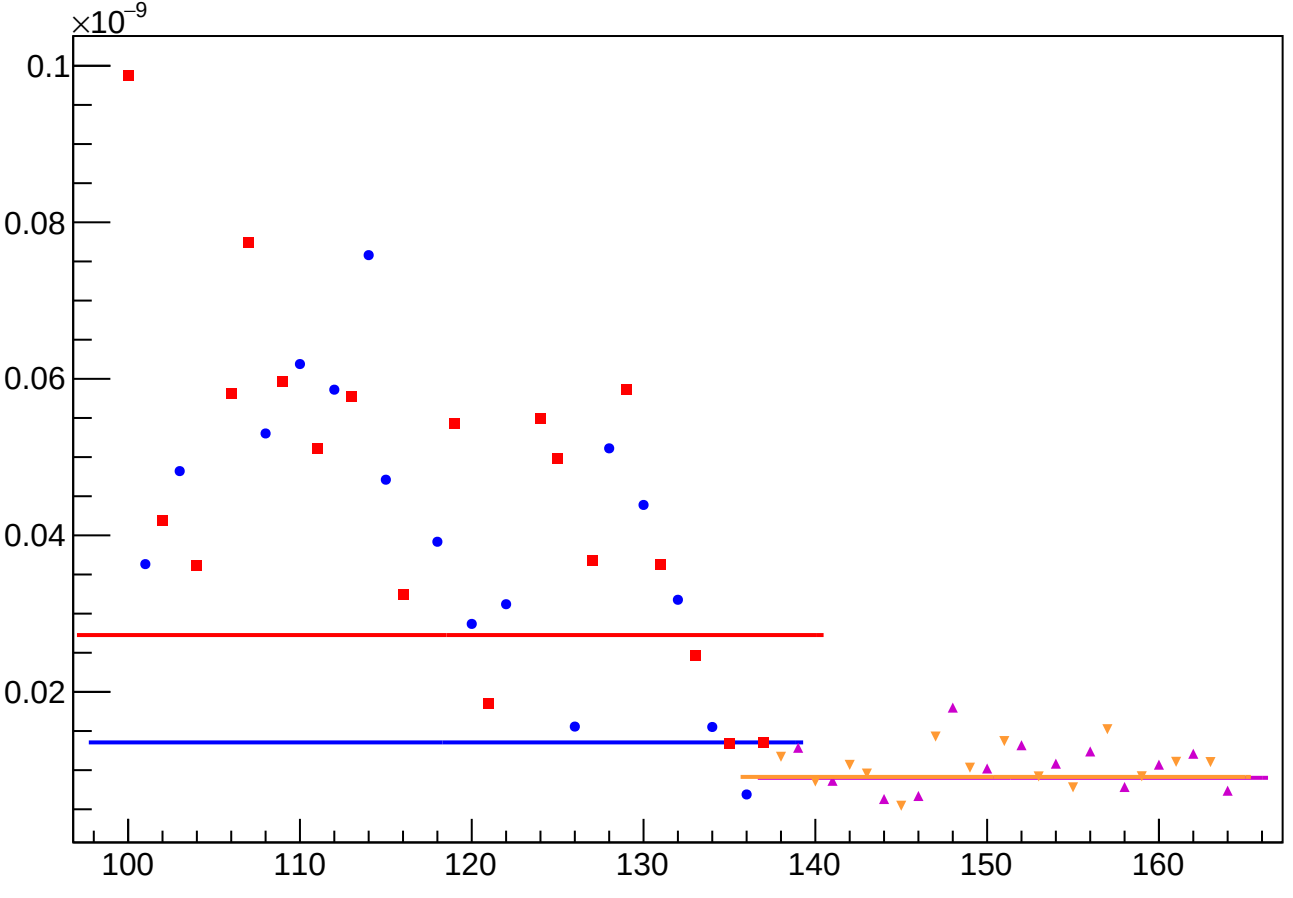
Left: -0.000+/-0.000 χ^2/NDF: 23.8/26

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:25.4/28

Out: -0.000+/-0.000 χ^2/NDF:33.2/32

All: -0.000+/-0.000 χ^2/NDF: 58.6/61



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:759608.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:763983.7/12

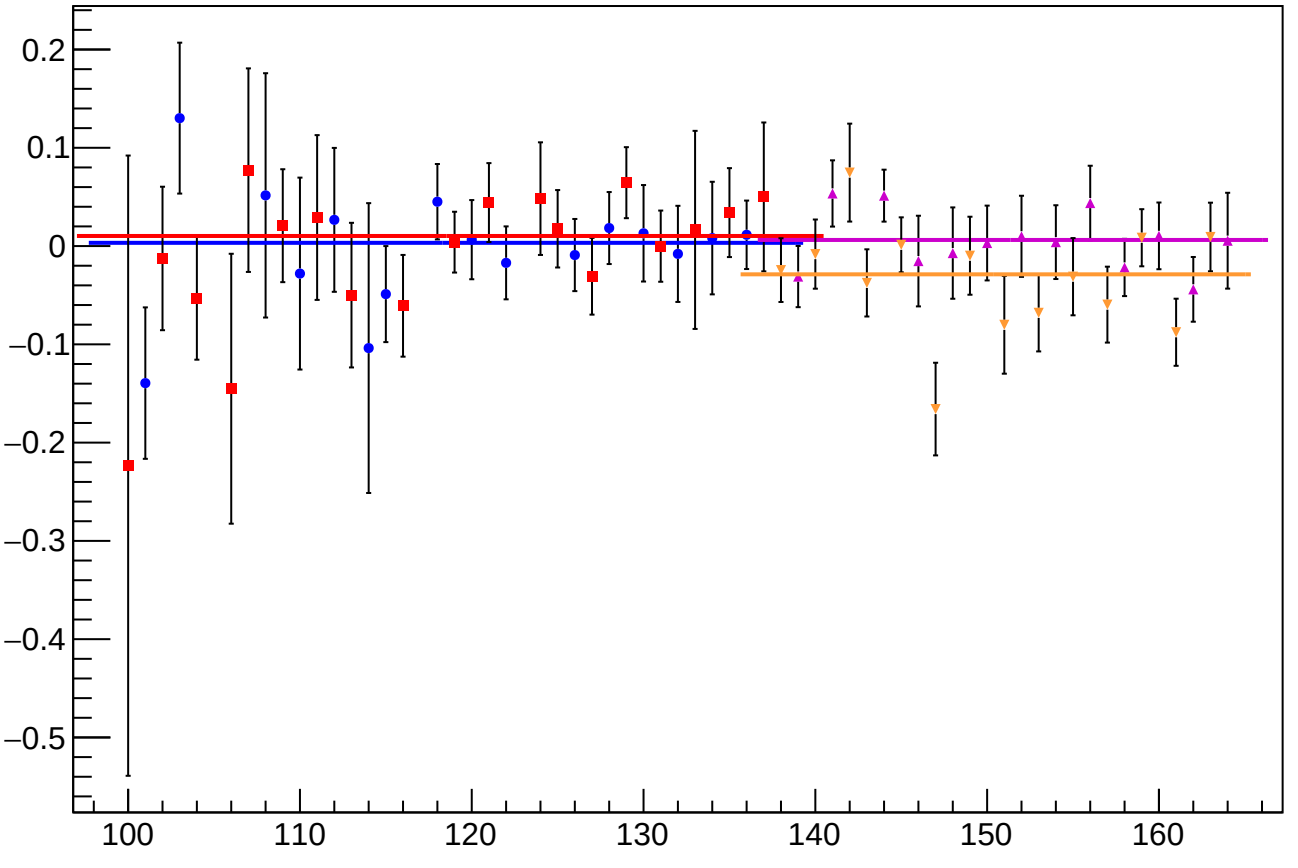
Left: 0.000+/-0.000 χ^2/NDF: 1524282.5/26

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4125440.5/28

Out: 0.000+/-0.000 χ^2/NDF:4556708.8/32

All: 0.000+/-0.000 χ^2/NDF: 8695744.9/61



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.010 χ^2/NDF:23.1/13

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.010 χ^2/NDF:10.9/12

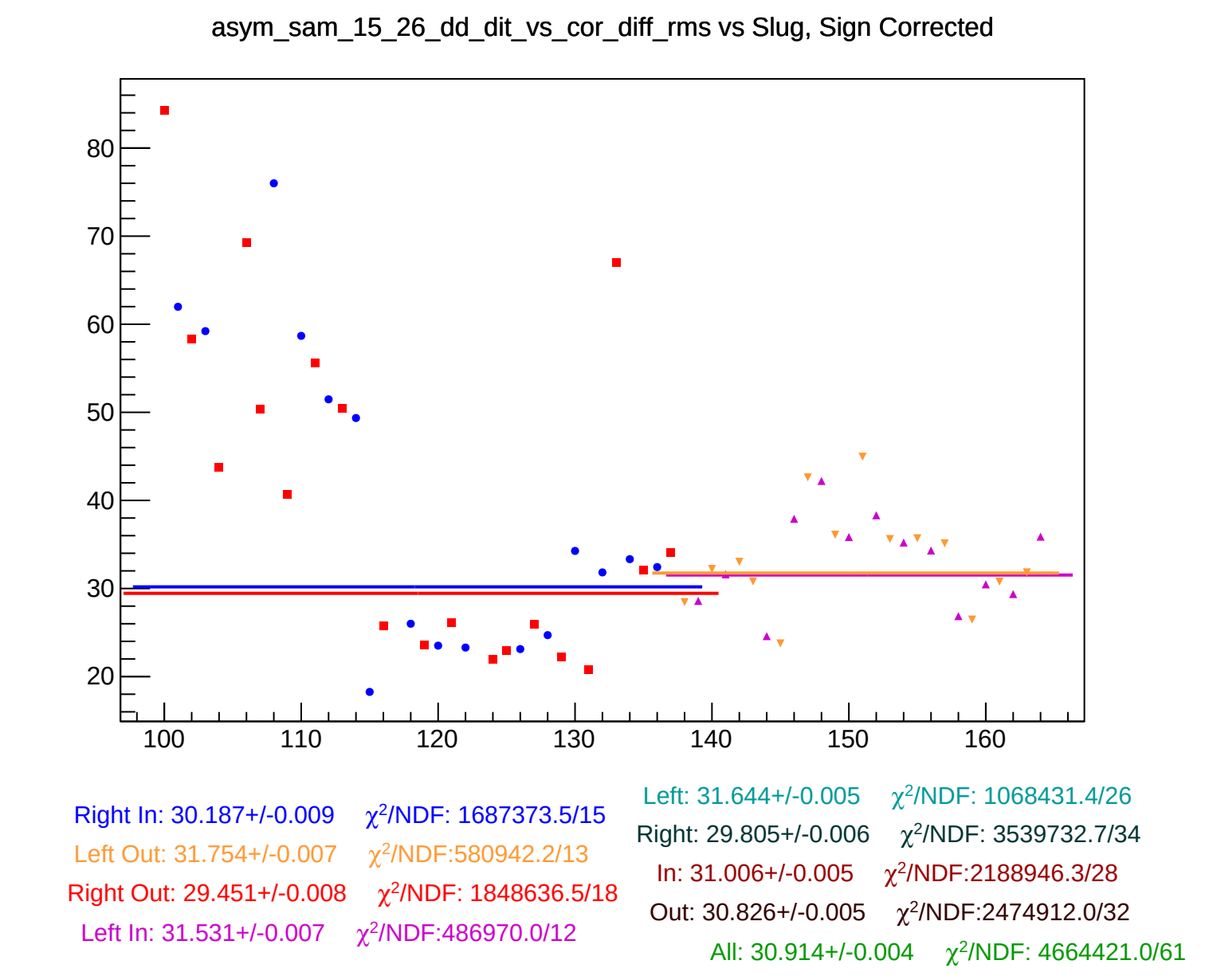
Left: -0.011+/-0.007 χ^2/NDF: 40.4/26

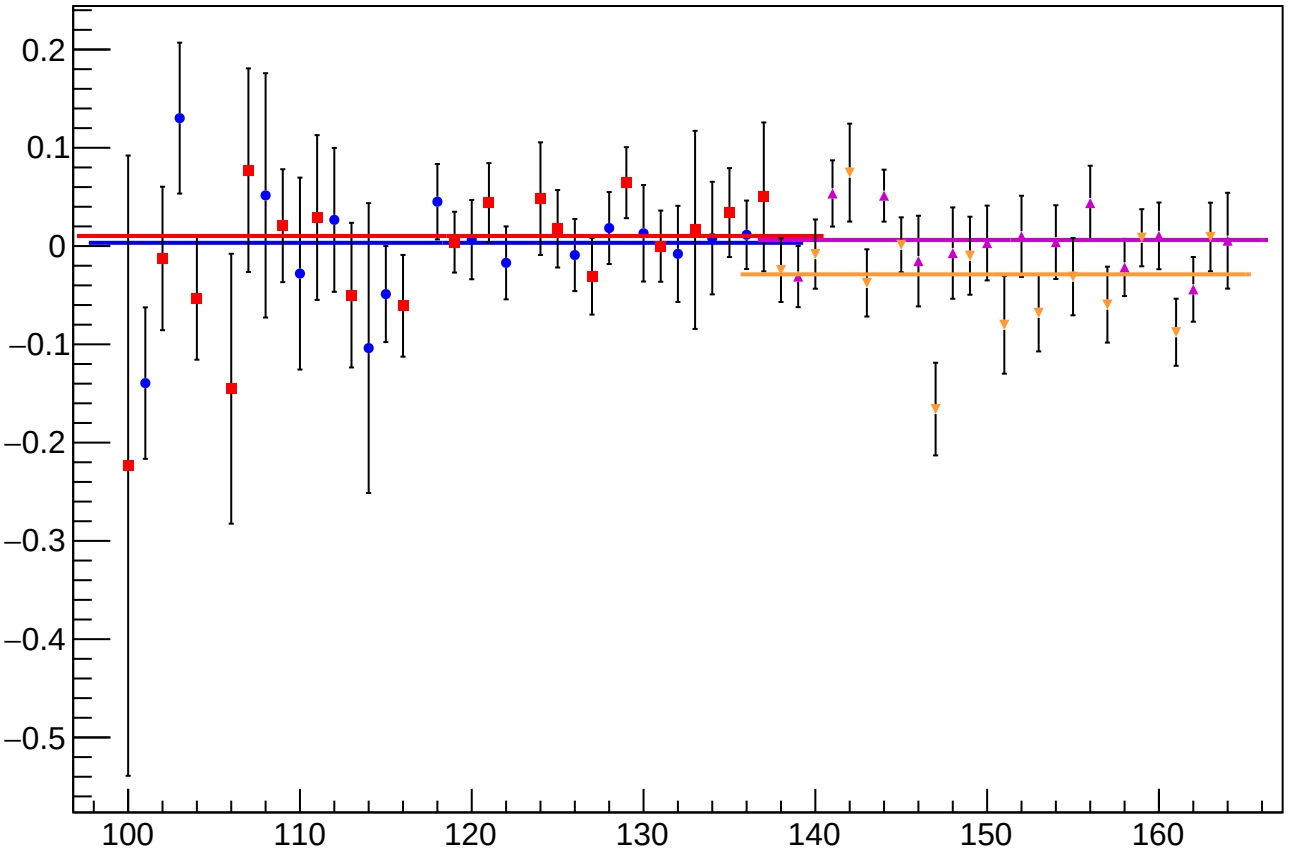
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.008 χ^2/NDF:21.0/28

Out: -0.013+/-0.007 χ^2/NDF:40.8/32

All: -0.004+/-0.005 χ^2/NDF: 64.7/61


asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 30.187+/-0.009 χ²/NDF: 1687373.5/15
Left Out: 31.754+/-0.007 χ²/NDF:580942.2/13
Right Out: 29.451+/-0.008 χ²/NDF: 1848636.5/18
Left In: 31.531+/-0.007 χ²/NDF:486970.0/12
Left: 31.644+/-0.005 χ²/NDF: 1068431.4/26
Right: 29.805+/-0.006 χ²/NDF: 3539732.7/34
In: 31.006+/-0.005 χ²/NDF:2188946.3/28
Out: 30.826+/-0.005 χ²/NDF:2474912.0/32
All: 30.914+/-0.004 χ²/NDF: 4664421.0/61



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.010 χ^2/NDF:23.1/13

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.010 χ^2/NDF:10.9/12

Left: -0.011+/-0.007 χ^2/NDF: 40.4/26

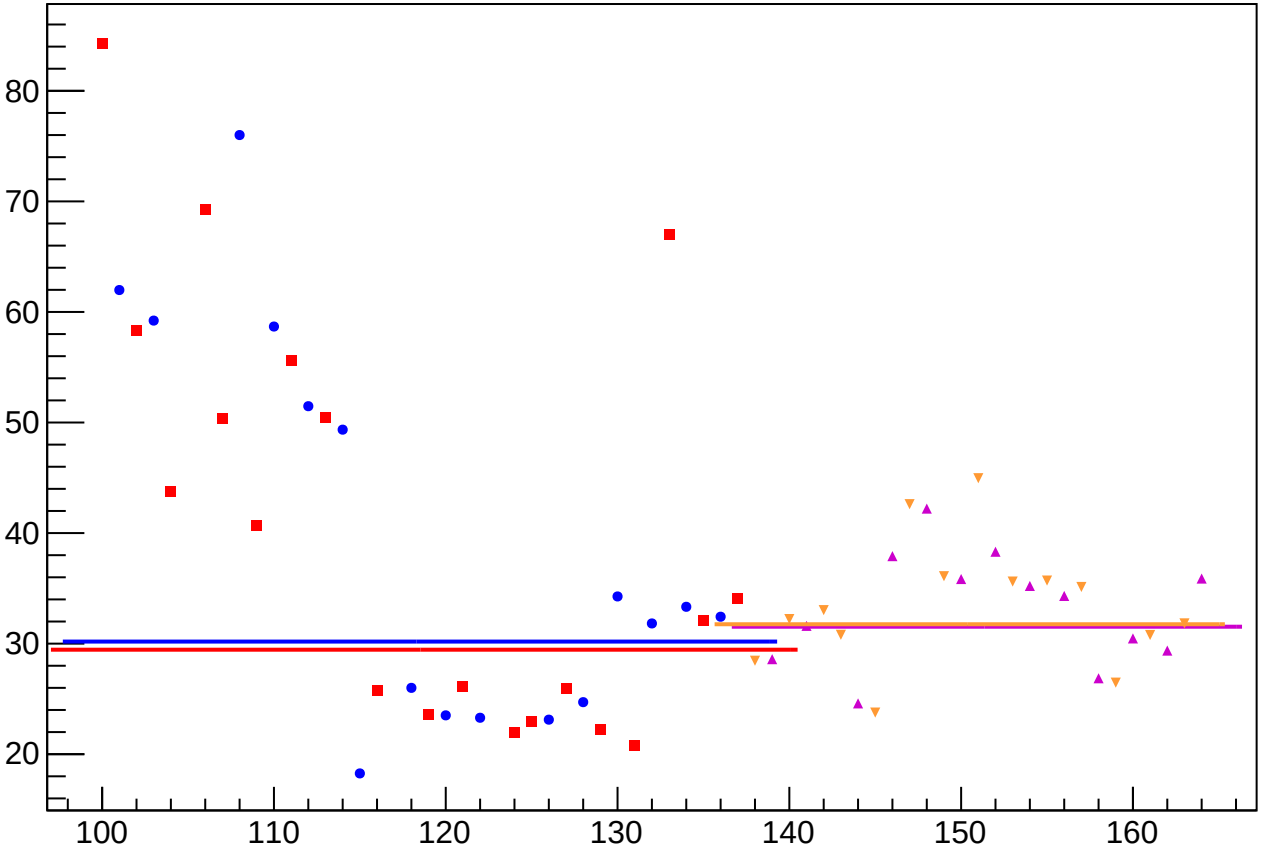
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.008 χ^2/NDF:21.0/28

Out: -0.013+/-0.007 χ^2/NDF:40.8/32

All: -0.004+/-0.005 χ^2/NDF: 64.7/61

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.754+/-0.007 χ^2/NDF:580942.2/13

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.531+/-0.007 χ^2/NDF:486970.0/12

Left: 31.644+/-0.005 χ^2/NDF: 1068431.4/26

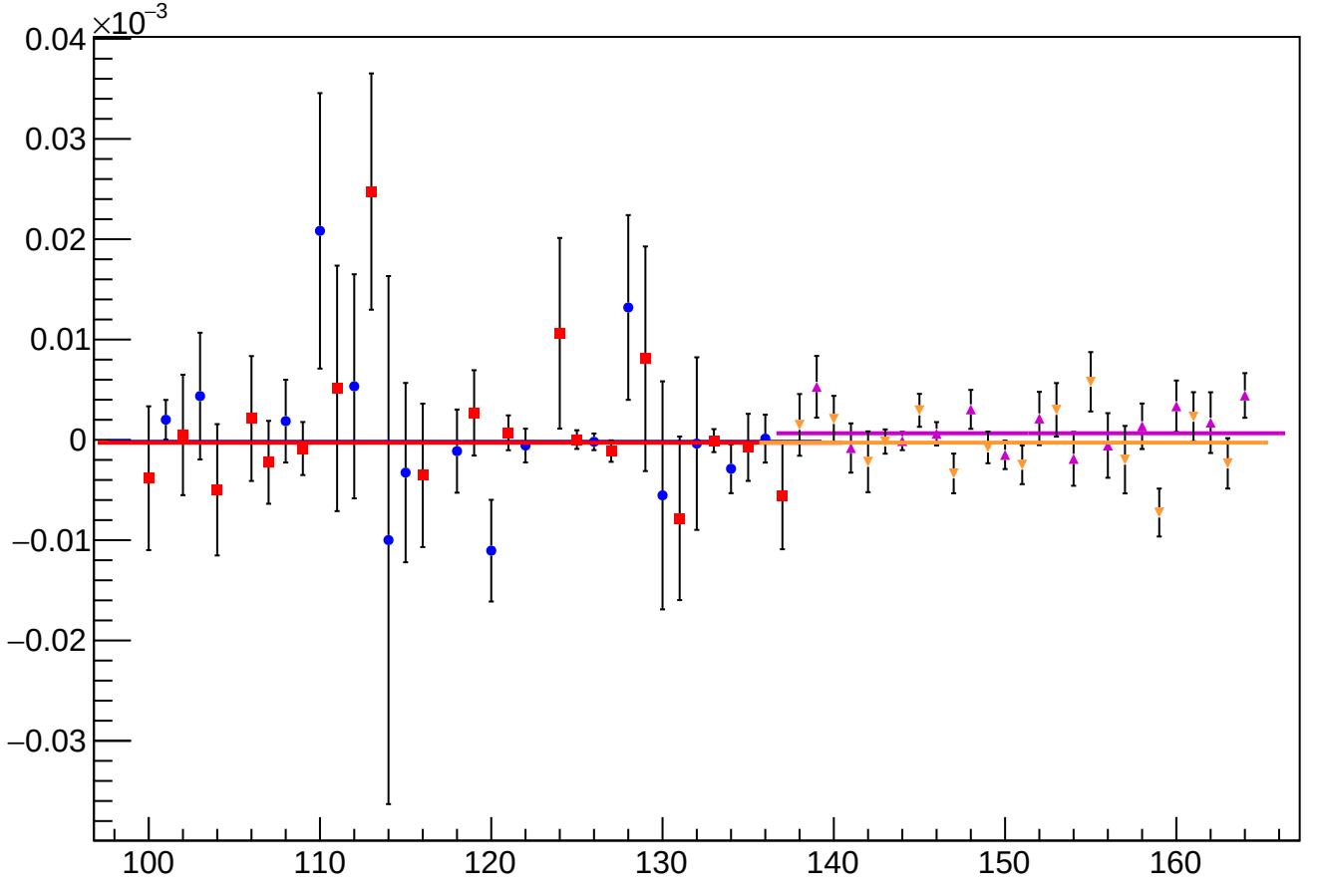
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 31.006+/-0.005 χ^2/NDF:2188946.3/28

Out: 30.826+/-0.005 χ^2/NDF:2474912.0/32

All: 30.914+/-0.004 χ^2/NDF: 4664421.0/61

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.7/12

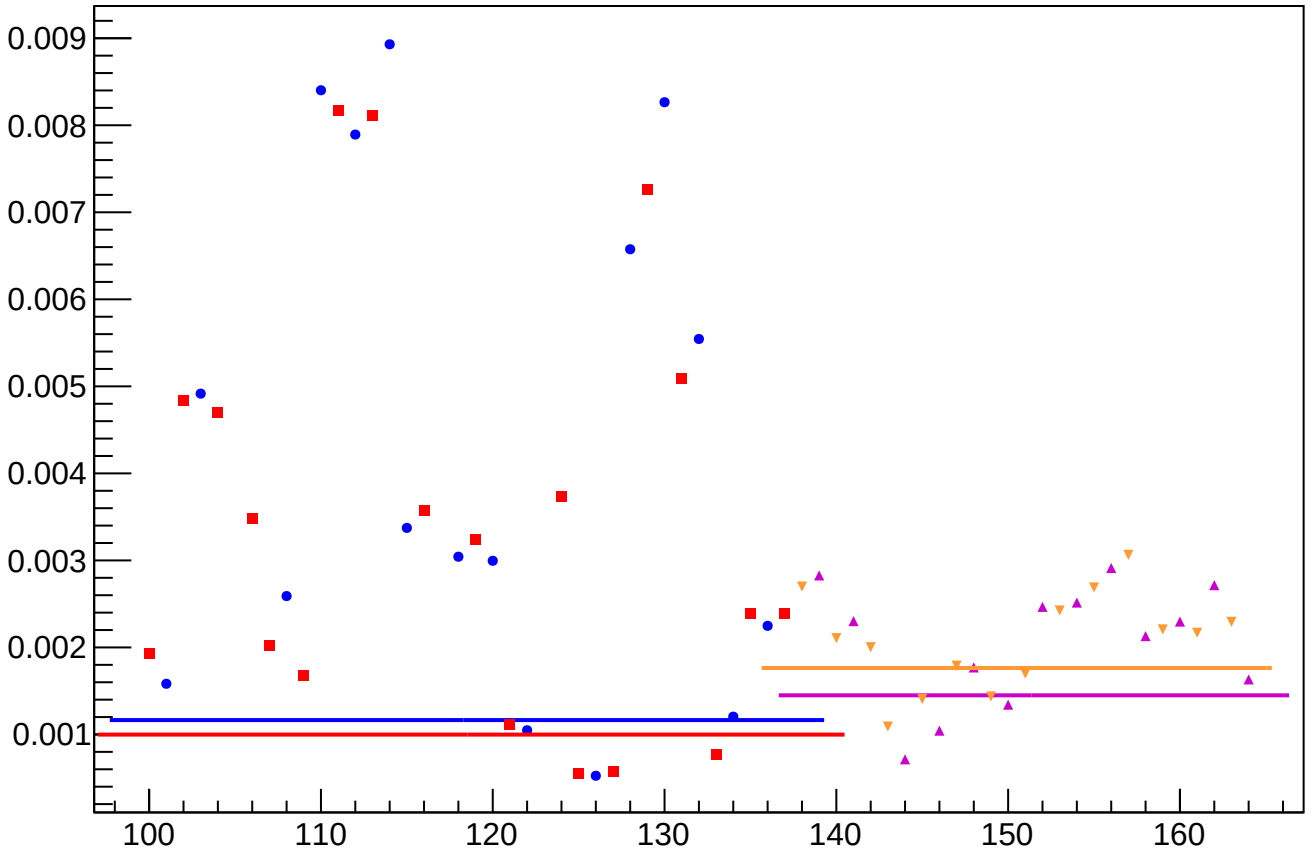
Left: 0.000+/-0.000 χ^2/NDF: 39.9/26

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:27.0/28

Out: -0.000+/-0.000 χ^2/NDF:37.1/32

All: 0.000+/-0.000 χ^2/NDF: 65.3/61



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1871027.1/13

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4039761.5/12

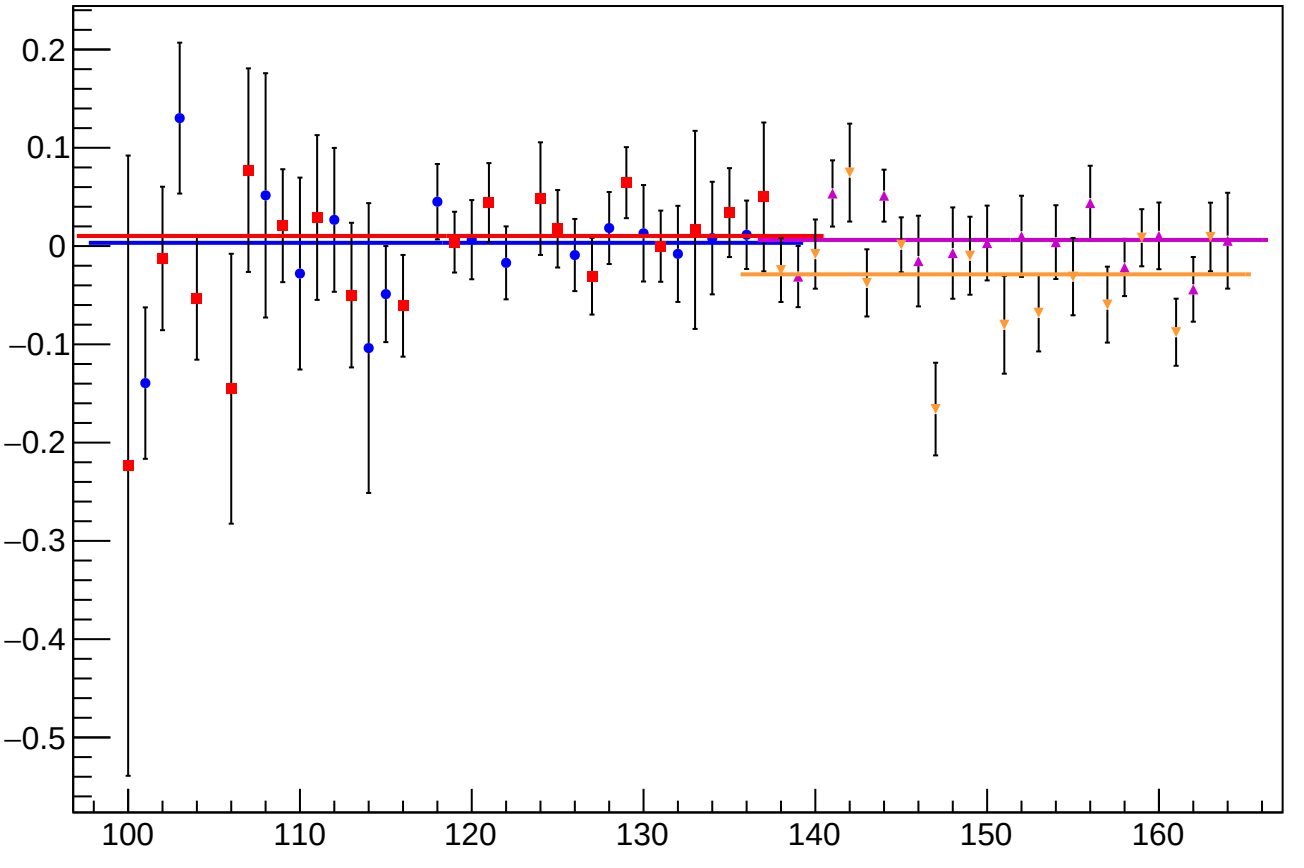
Left: 0.002+/-0.000 χ^2/NDF: 6262829.7/26

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:11179952.0/28

Out: 0.001+/-0.000 χ^2/NDF:10817645.9/32

All: 0.001+/-0.000 χ^2/NDF: 22000253.0/61



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.010 χ^2/NDF:23.1/13

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.010 χ^2/NDF:10.9/12

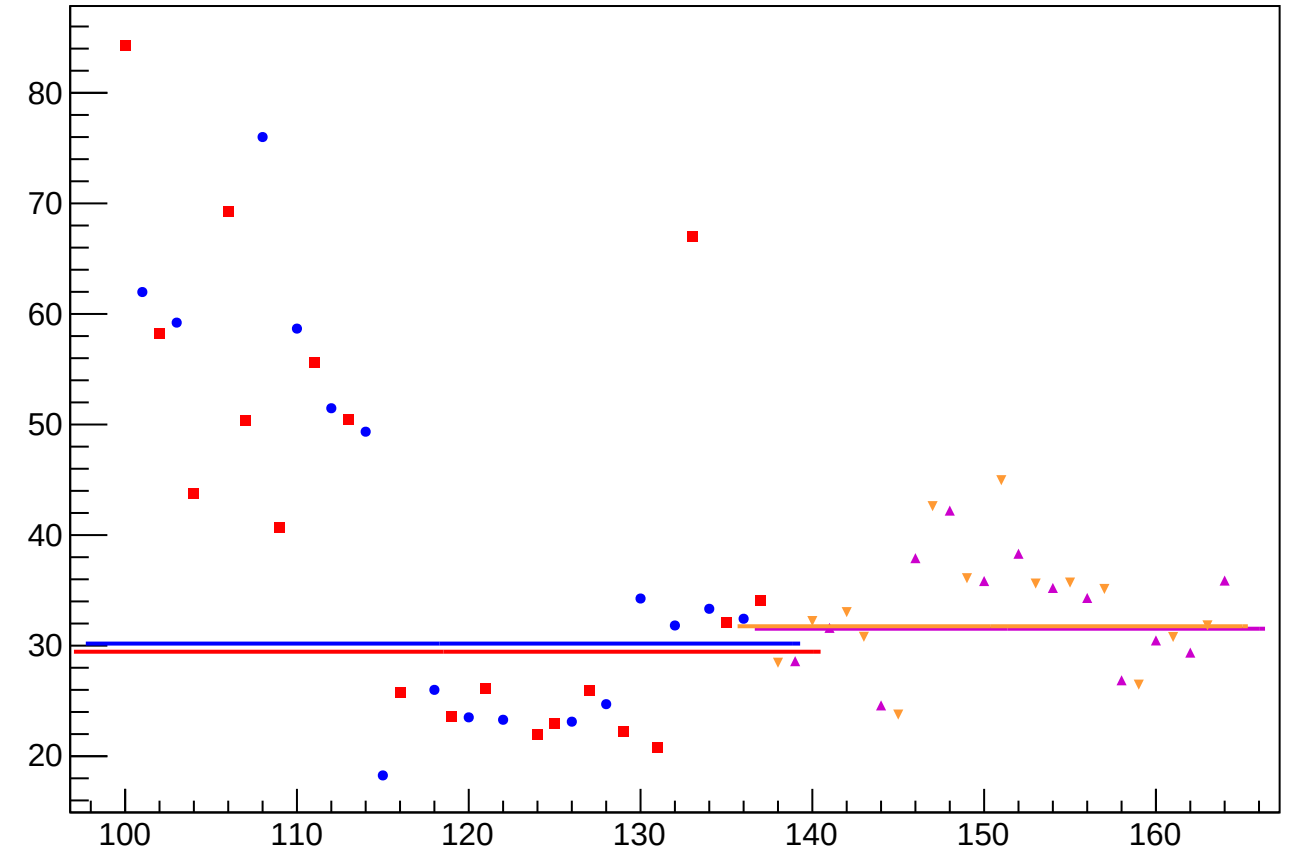
Left: -0.011+/-0.007 χ^2/NDF: 40.4/26

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.008 χ^2/NDF:21.0/28

Out: -0.013+/-0.007 χ^2/NDF:40.8/32

All: -0.004+/-0.005 χ^2/NDF: 64.7/61



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.754+/-0.007 χ^2/NDF:580915.8/13

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.531+/-0.007 χ^2/NDF:486966.4/12

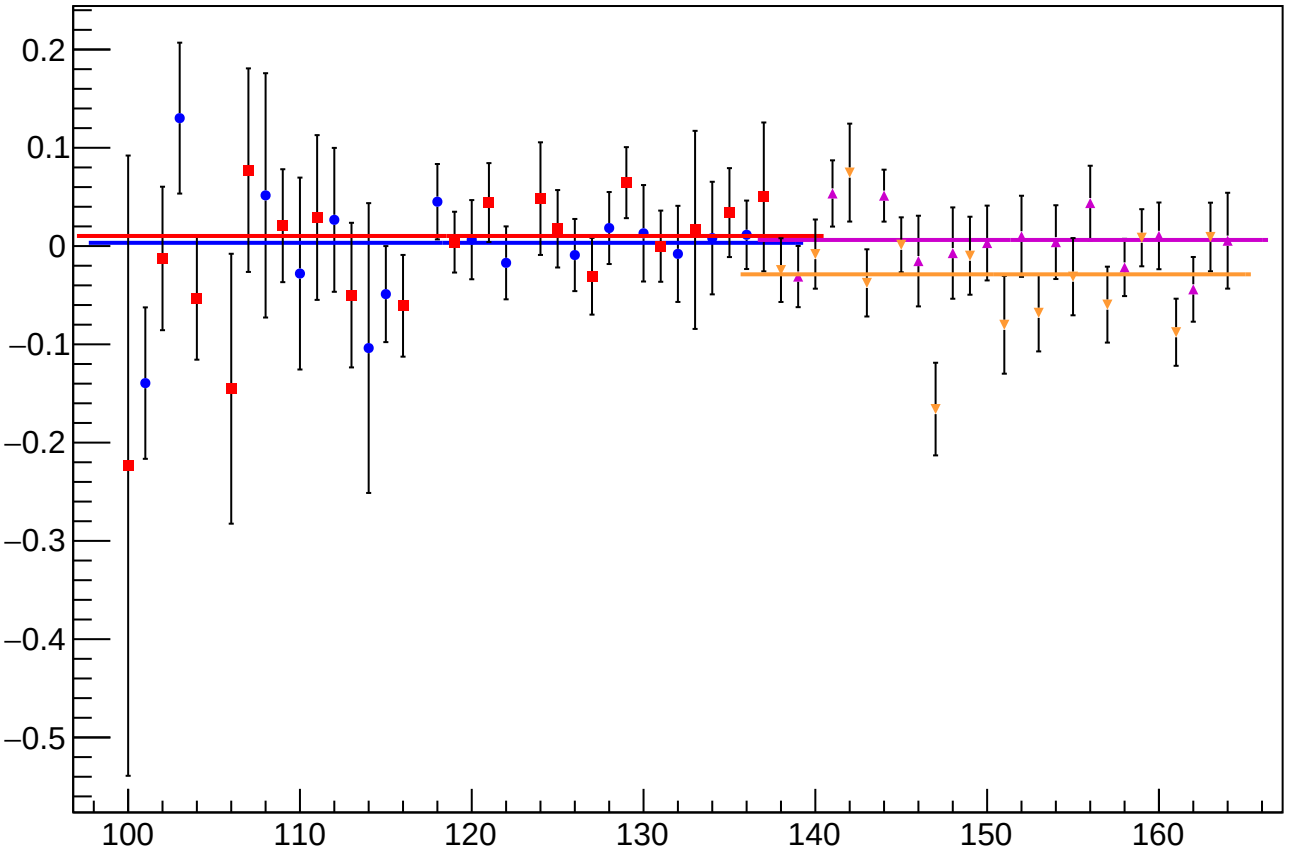
Left: 31.644+/-0.005 χ^2/NDF: 1068401.6/26

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 31.006+/-0.005 χ^2/NDF:2188760.8/28

Out: 30.826+/-0.005 χ^2/NDF:2474914.2/32

All: 30.914+/-0.004 χ^2/NDF: 4664239.3/61



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.010 χ^2/NDF:23.1/13

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.010 χ^2/NDF:10.9/12

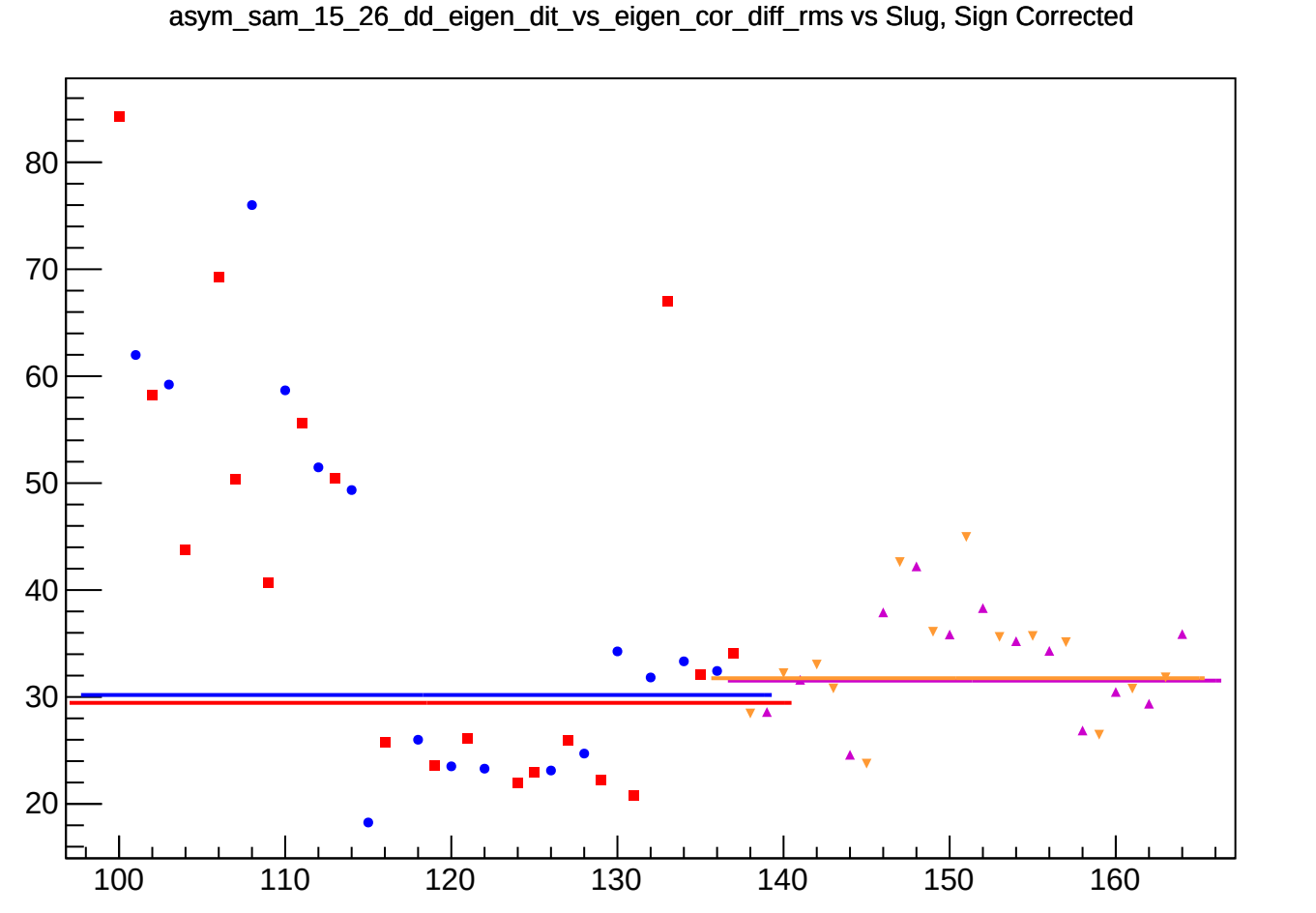
Left: -0.011+/-0.007 χ^2/NDF: 40.4/26

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.008 χ^2/NDF:21.0/28

Out: -0.013+/-0.007 χ^2/NDF:40.8/32

All: -0.004+/-0.005 χ^2/NDF: 64.7/61



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.754+/-0.007 χ^2/NDF:580915.8/13

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.531+/-0.007 χ^2/NDF:486966.4/12

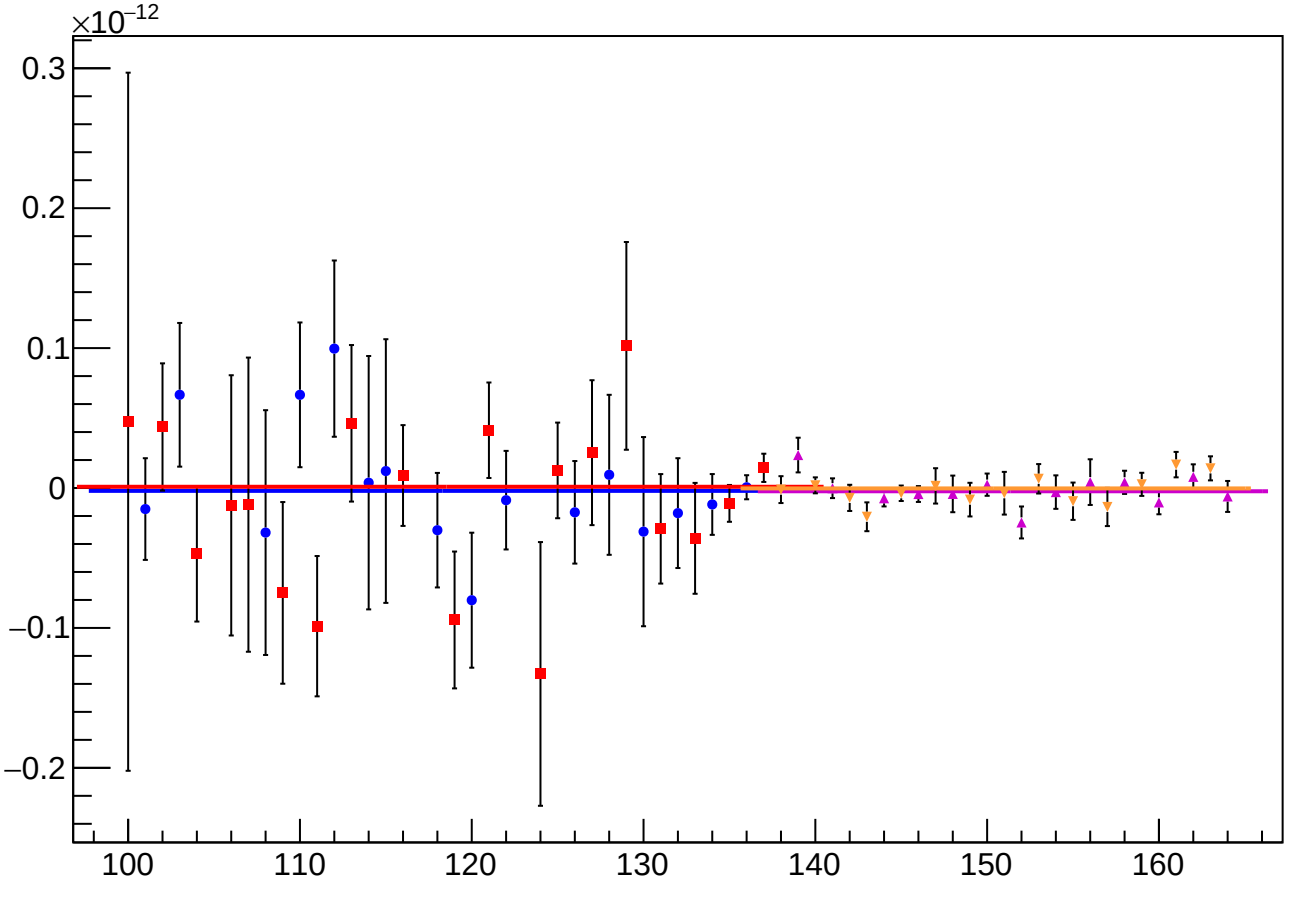
Left: 31.644+/-0.005 χ^2/NDF: 1068401.6/26

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 31.006+/-0.005 χ^2/NDF:2188760.8/28

Out: 30.826+/-0.005 χ^2/NDF:2474914.2/32

All: 30.914+/-0.004 χ^2/NDF: 4664239.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/12

Left: -0.000+/-0.000 χ^2/NDF: 26.6/26

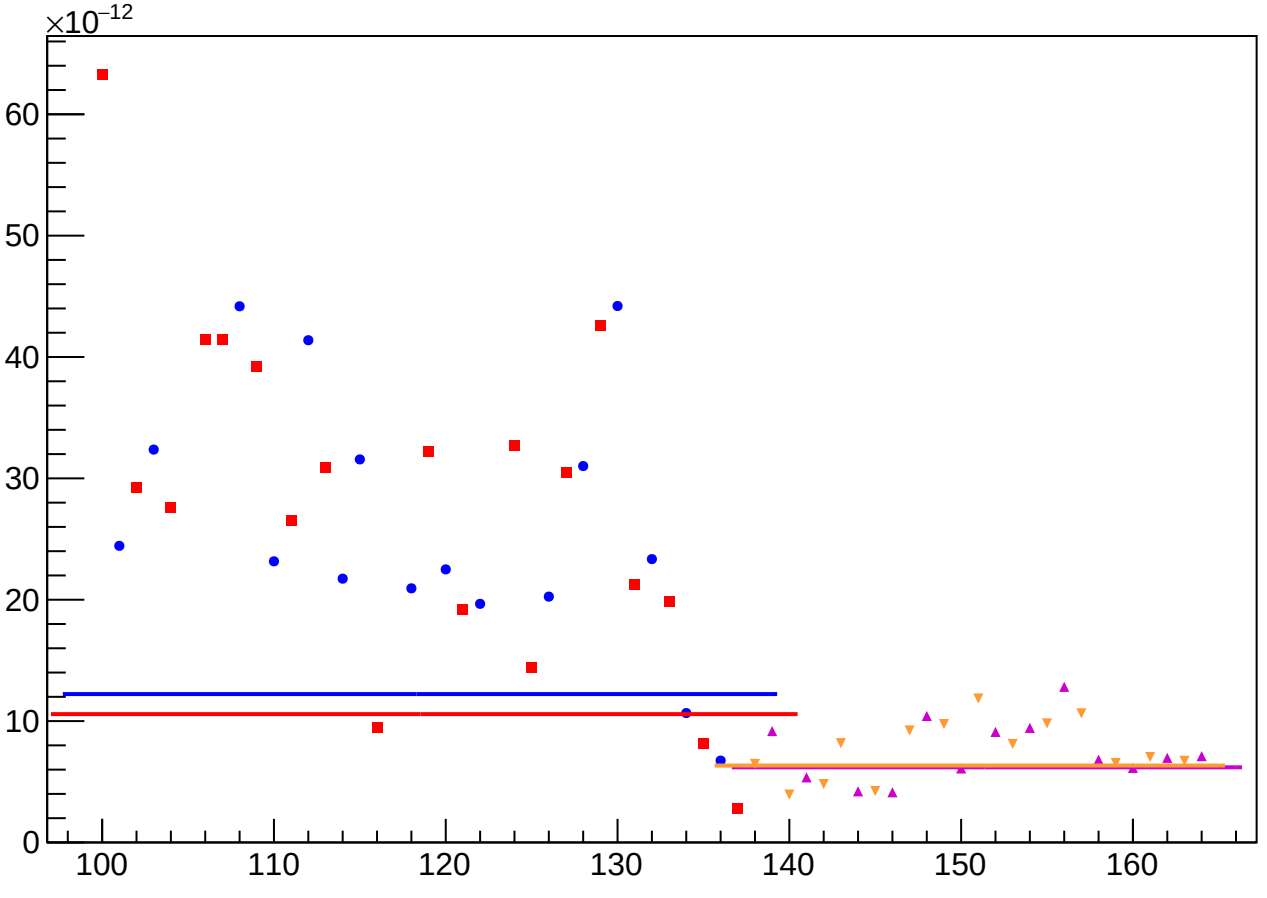
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:23.0/28

Out: -0.000+/-0.000 χ^2/NDF:35.1/32

All: -0.000+/-0.000 χ^2/NDF: 58.6/61

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1693960.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1494649.9/12

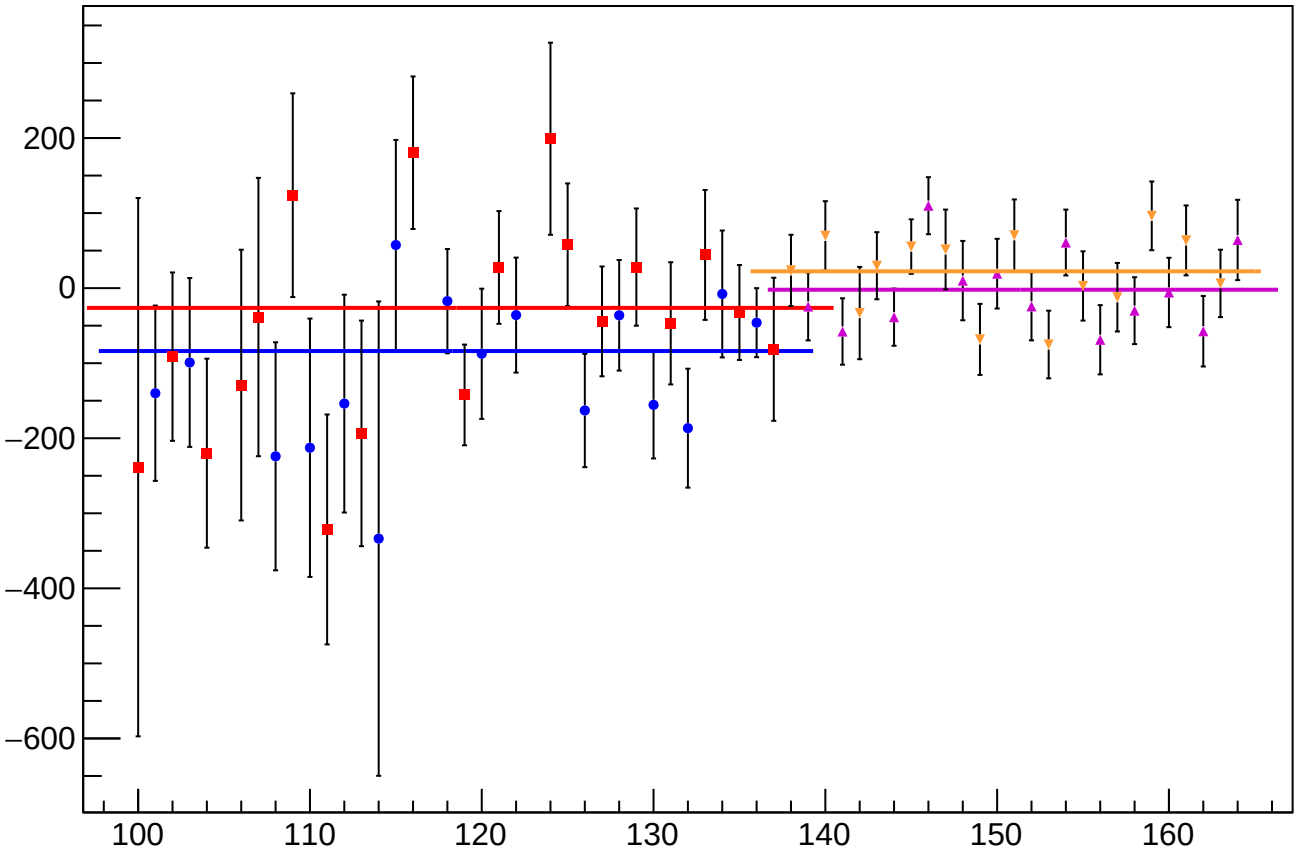
Left: 0.000+/-0.000 χ^2/NDF: 3192423.7/26

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:6329382.1/28

Out: 0.000+/-0.000 χ^2/NDF:7179576.0/32

All: 0.000+/-0.000 χ^2/NDF: 13509039.7/61



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.443+/-12.355 χ^2/NDF:16.7/13

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: -2.102+/-12.448 χ^2/NDF:19.4/12

Left: 10.263+/-8.769 χ^2/NDF: 38.0/26

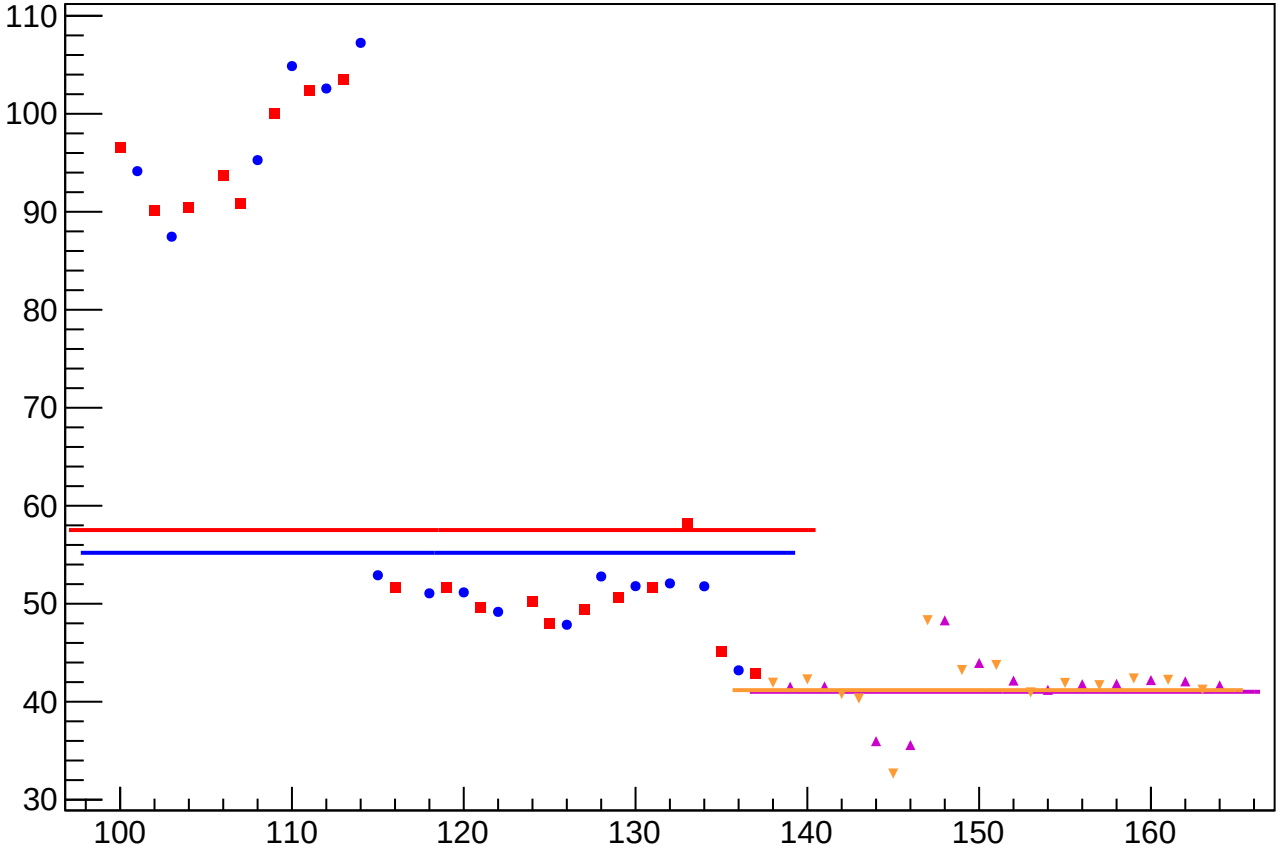
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -22.710+/-10.765 χ^2/NDF:40.8/28

Out: 10.810+/-10.780 χ^2/NDF:43.3/32

All: -5.974+/-7.617 χ^2/NDF: 89.0/61

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 41.180+/-0.009 χ^2/NDF:161068.4/13

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 41.014+/-0.009 χ^2/NDF:127715.7/12

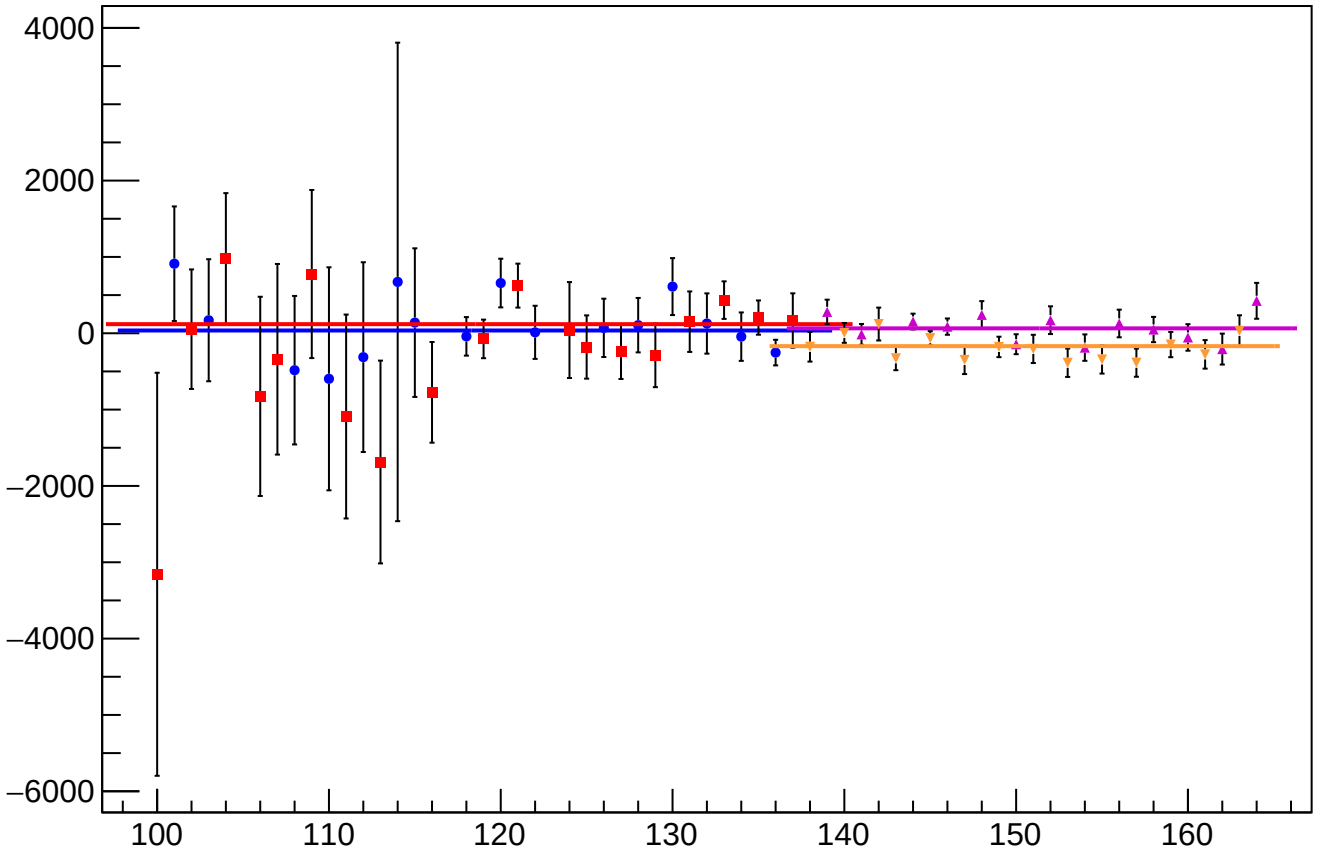
Left: 41.098+/-0.006 χ^2/NDF: 288963.9/26

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 44.591+/-0.008 χ^2/NDF:1935165.4/28

Out: 45.080+/-0.008 χ^2/NDF:2277636.5/32

All: 44.835+/-0.005 χ^2/NDF: 4214856.3/61



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -168.832+/-42.310 χ^2/NDF:11.9/13

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 64.196+/-41.897 χ^2/NDF:13.7/12

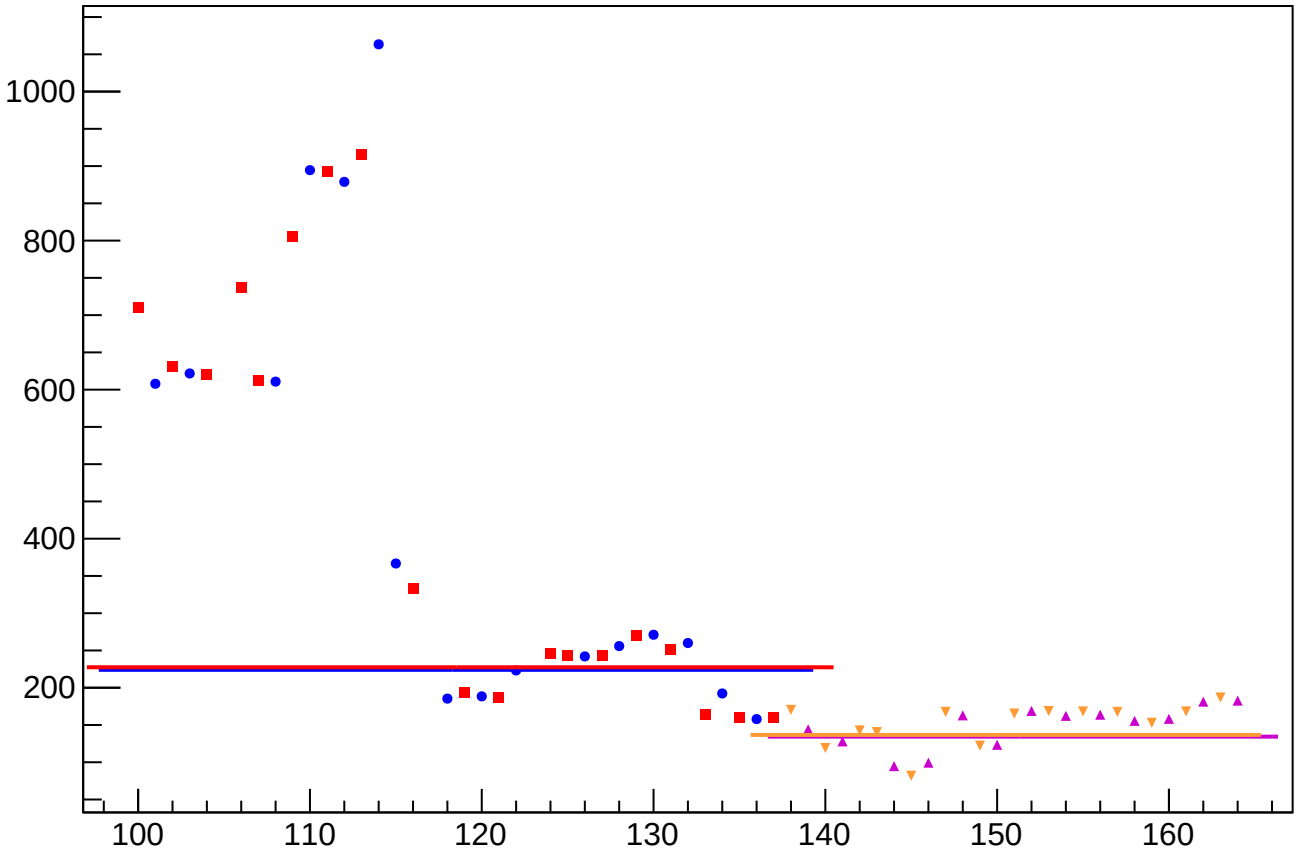
Left: -51.176+/-29.771 χ^2/NDF: 40.9/26

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 59.541+/-38.239 χ^2/NDF:25.2/28

Out: -121.853+/-38.706 χ^2/NDF:35.5/32

All: -30.055+/-27.202 χ^2/NDF: 71.8/61



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 136.695+/-0.030 χ^2/NDF:1313298.9/13

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 134.364+/-0.030 χ^2/NDF:1021721.8/12

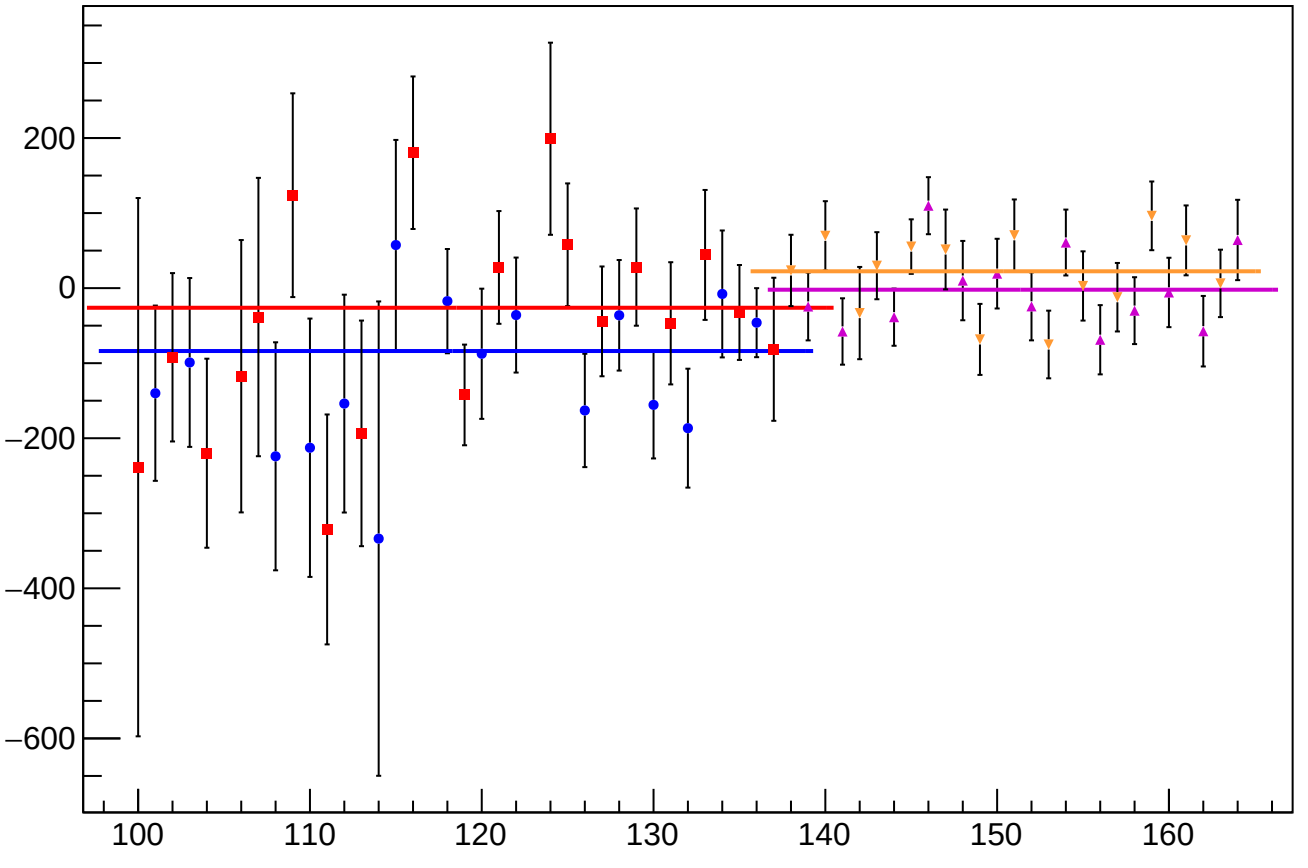
Left: 135.518+/-0.021 χ^2/NDF: 2338085.5/26

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 149.343+/-0.027 χ^2/NDF:5520222.3/28

Out: 151.500+/-0.027 χ^2/NDF:6455014.1/32

All: 150.408+/-0.019 χ^2/NDF: 11978378.1/61



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.443+/-12.355 χ^2/NDF:16.7/13

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -2.102+/-12.448 χ^2/NDF:19.4/12

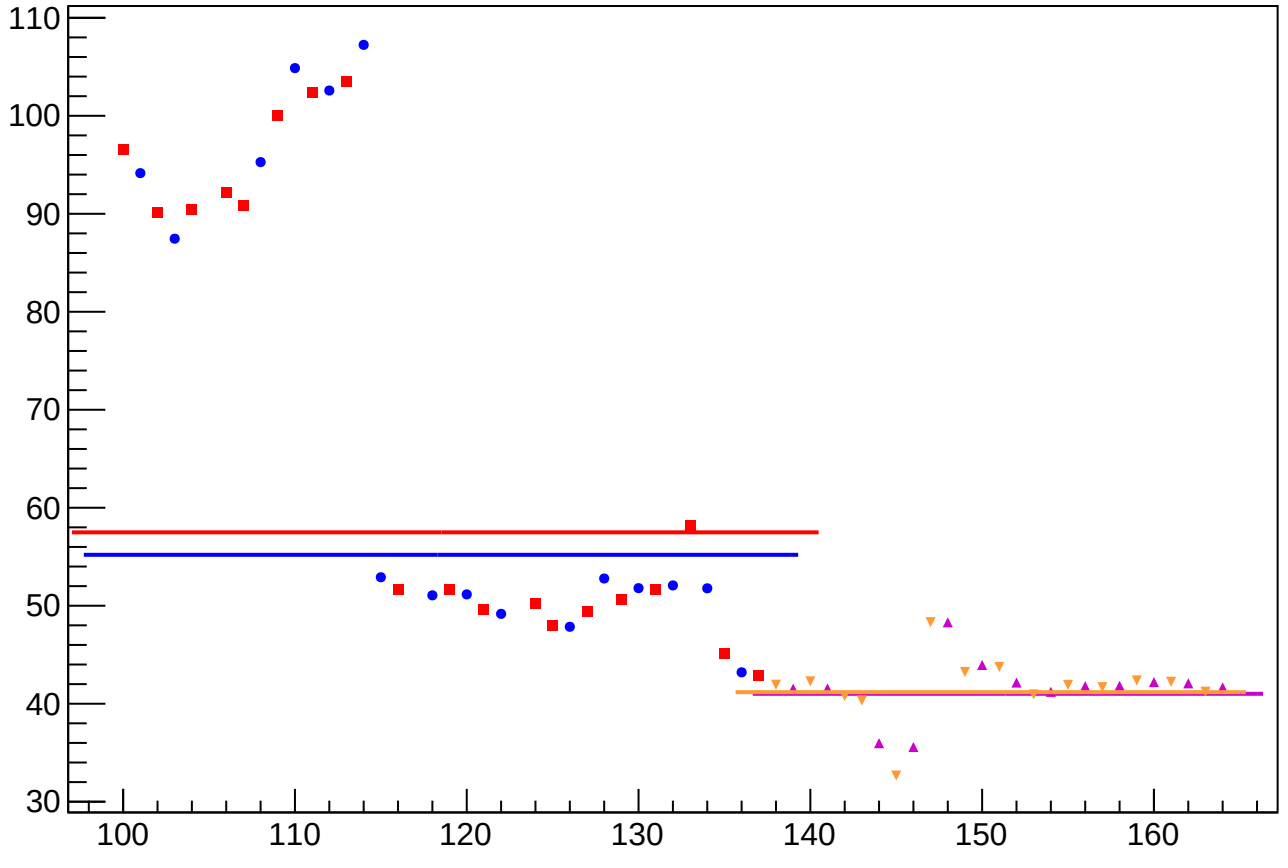
Left: 10.263+/-8.769 χ^2/NDF: 38.0/26

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -22.709+/-10.765 χ^2/NDF:40.8/28

Out: 10.850+/-10.780 χ^2/NDF:43.3/32

All: -5.954+/-7.617 χ^2/NDF: 88.9/61



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.180+/-0.009 χ^2/NDF:161068.4/13

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 41.014+/-0.009 χ^2/NDF:127715.7/12

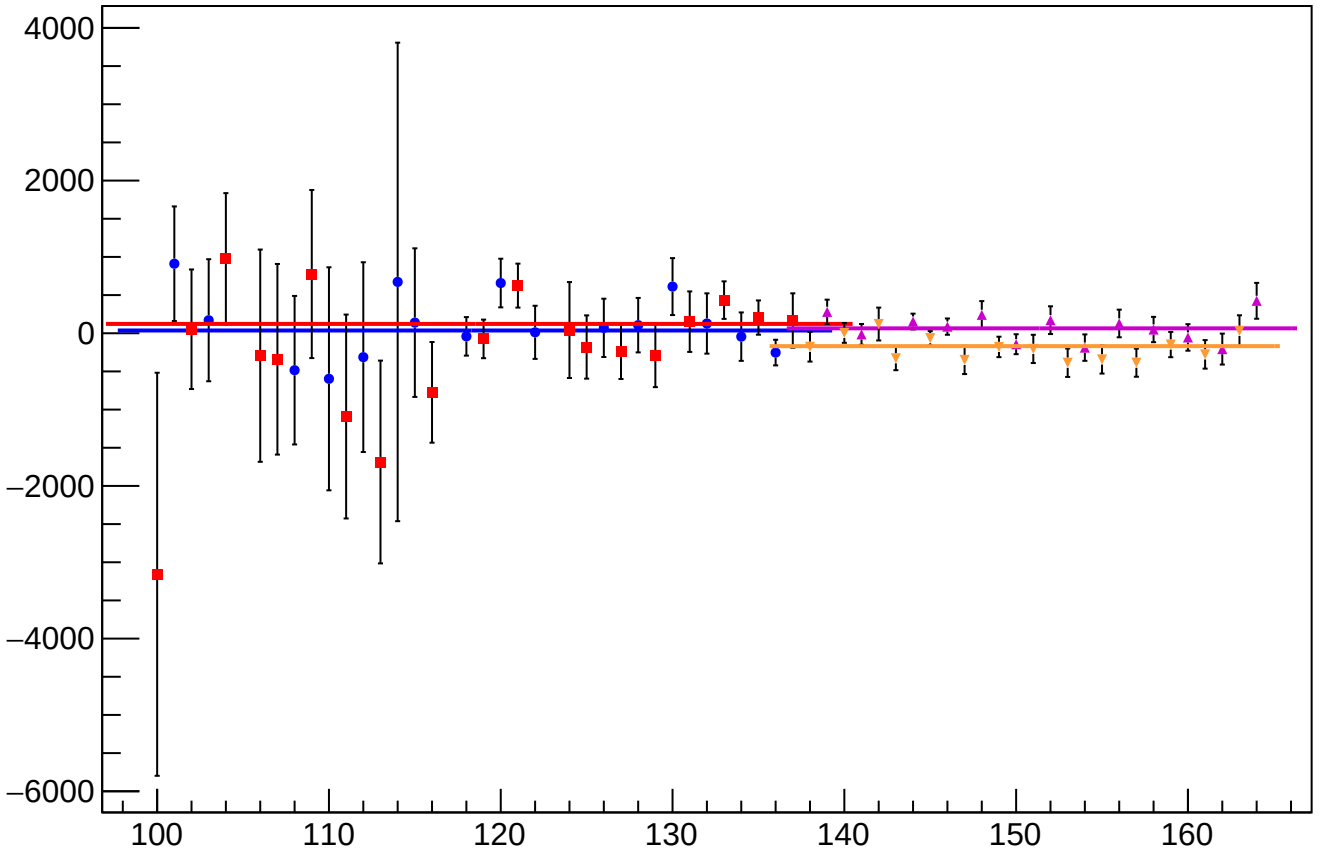
Left: 41.098+/-0.006 χ^2/NDF: 288963.9/26

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 44.591+/-0.008 χ^2/NDF:1935165.6/28

Out: 45.072+/-0.008 χ^2/NDF:2267161.5/32

All: 44.831+/-0.005 χ^2/NDF: 4204319.3/61



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -168.834+/-42.310 χ^2/NDF:11.9/13

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 64.195+/-41.897 χ^2/NDF:13.7/12

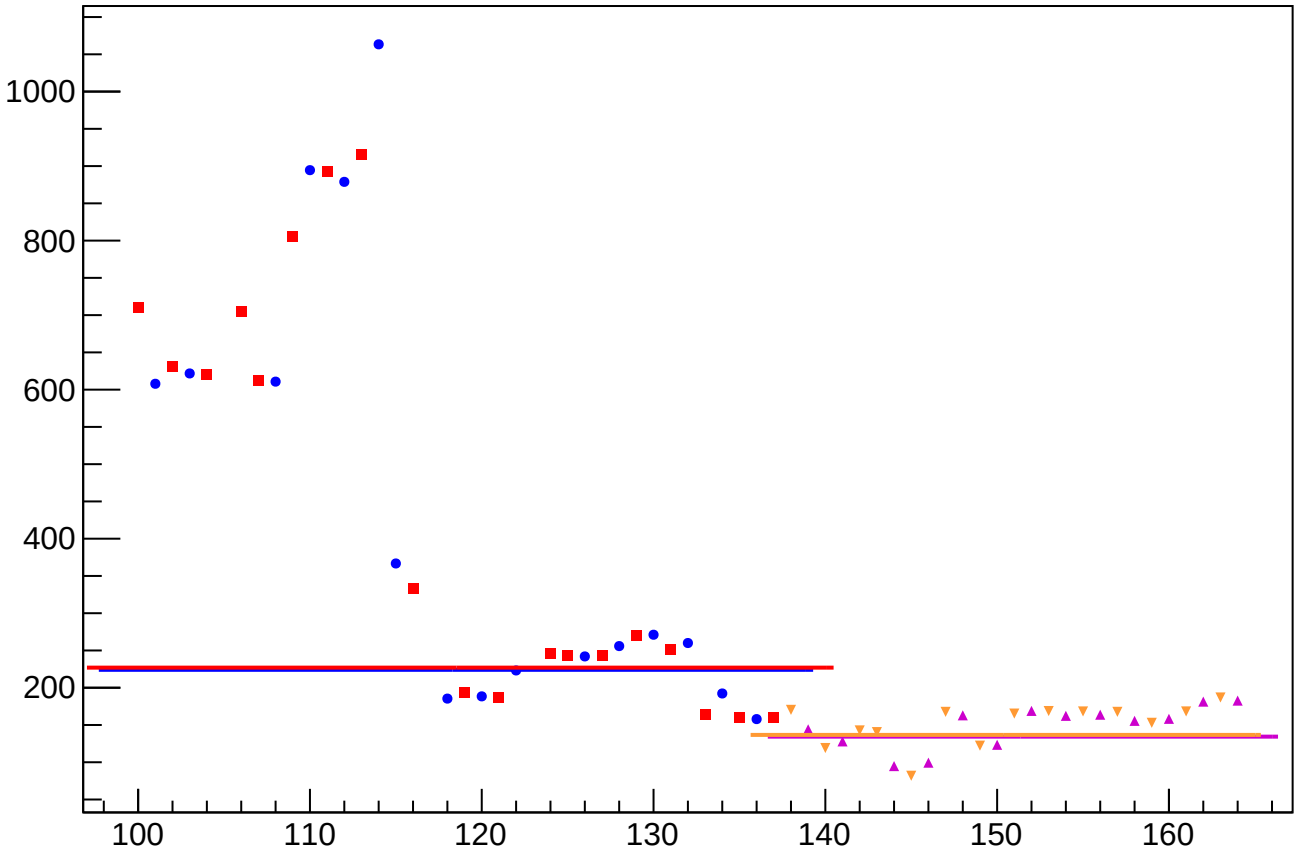
Left: -51.177+/-29.771 χ^2/NDF: 40.9/26

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 59.540+/-38.239 χ^2/NDF:25.2/28

Out: -121.371+/-38.708 χ^2/NDF:35.2/32

All: -29.812+/-27.203 χ^2/NDF: 71.4/61



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 136.695+/-0.030 χ^2/NDF:1313302.0/13

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 134.364+/-0.030 χ^2/NDF:1021727.2/12

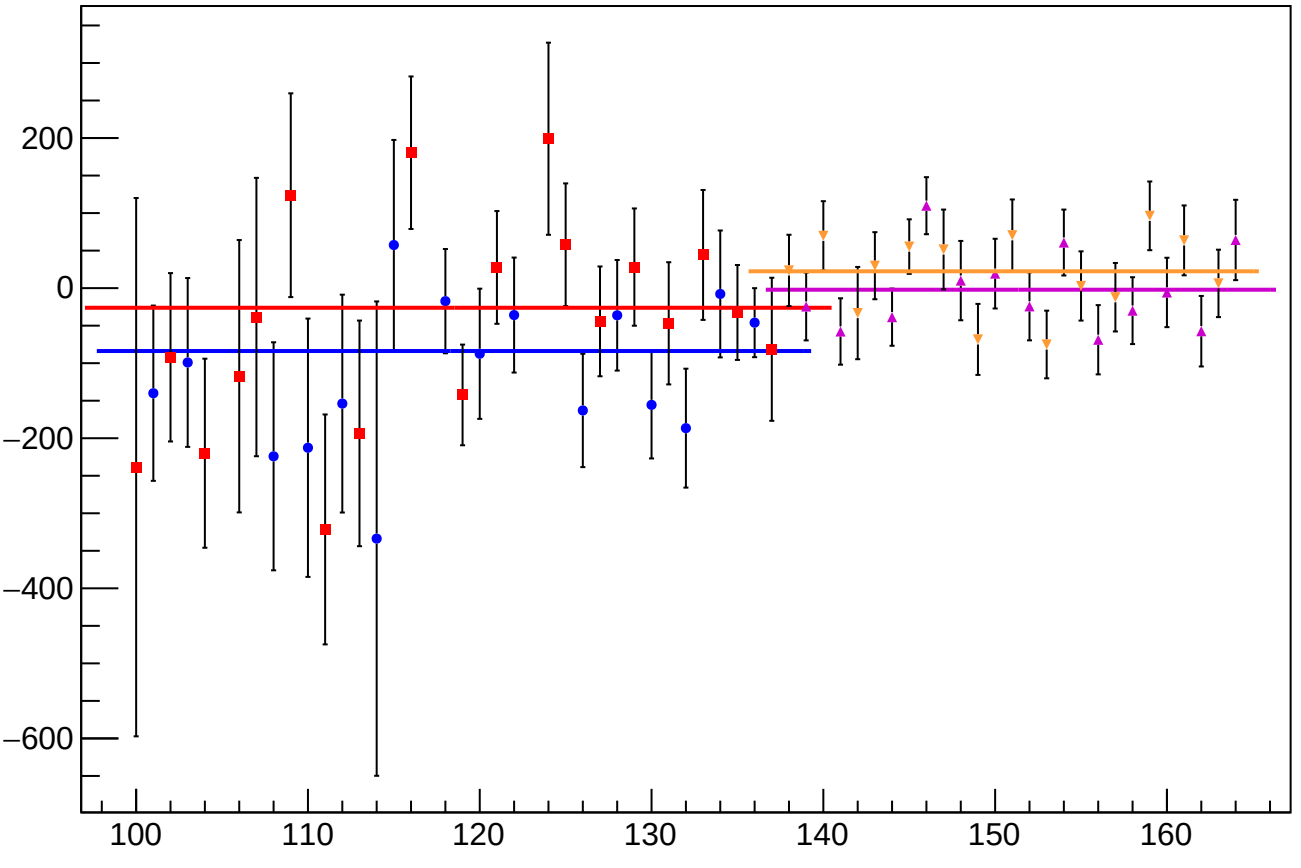
Left: 135.518+/-0.021 χ^2/NDF: 2338094.3/26

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 149.343+/-0.027 χ^2/NDF:5520239.6/28

Out: 151.413+/-0.027 χ^2/NDF:6369687.0/32

All: 150.366+/-0.019 χ^2/NDF: 11892822.0/61



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.443+/-12.355 χ^2/NDF:16.7/13

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -2.102+/-12.448 χ^2/NDF:19.4/12

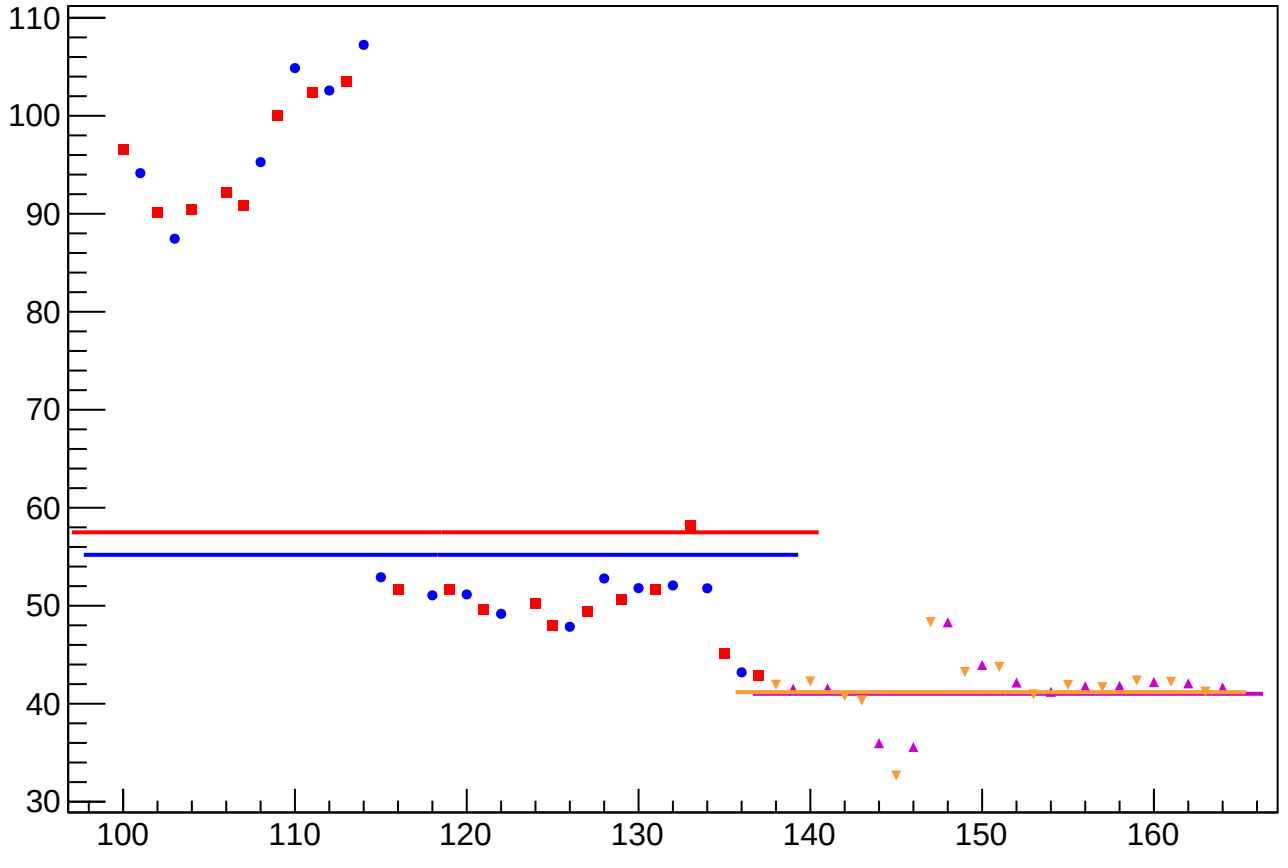
Left: 10.263+/-8.769 χ^2/NDF: 38.0/26

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -22.709+/-10.765 χ^2/NDF:40.8/28

Out: 10.850+/-10.780 χ^2/NDF:43.3/32

All: -5.954+/-7.617 χ^2/NDF: 88.9/61



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.180+/-0.009 χ^2/NDF:161068.4/13

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 41.014+/-0.009 χ^2/NDF:127715.7/12

Left: 41.098+/-0.006 χ^2/NDF: 288963.9/26

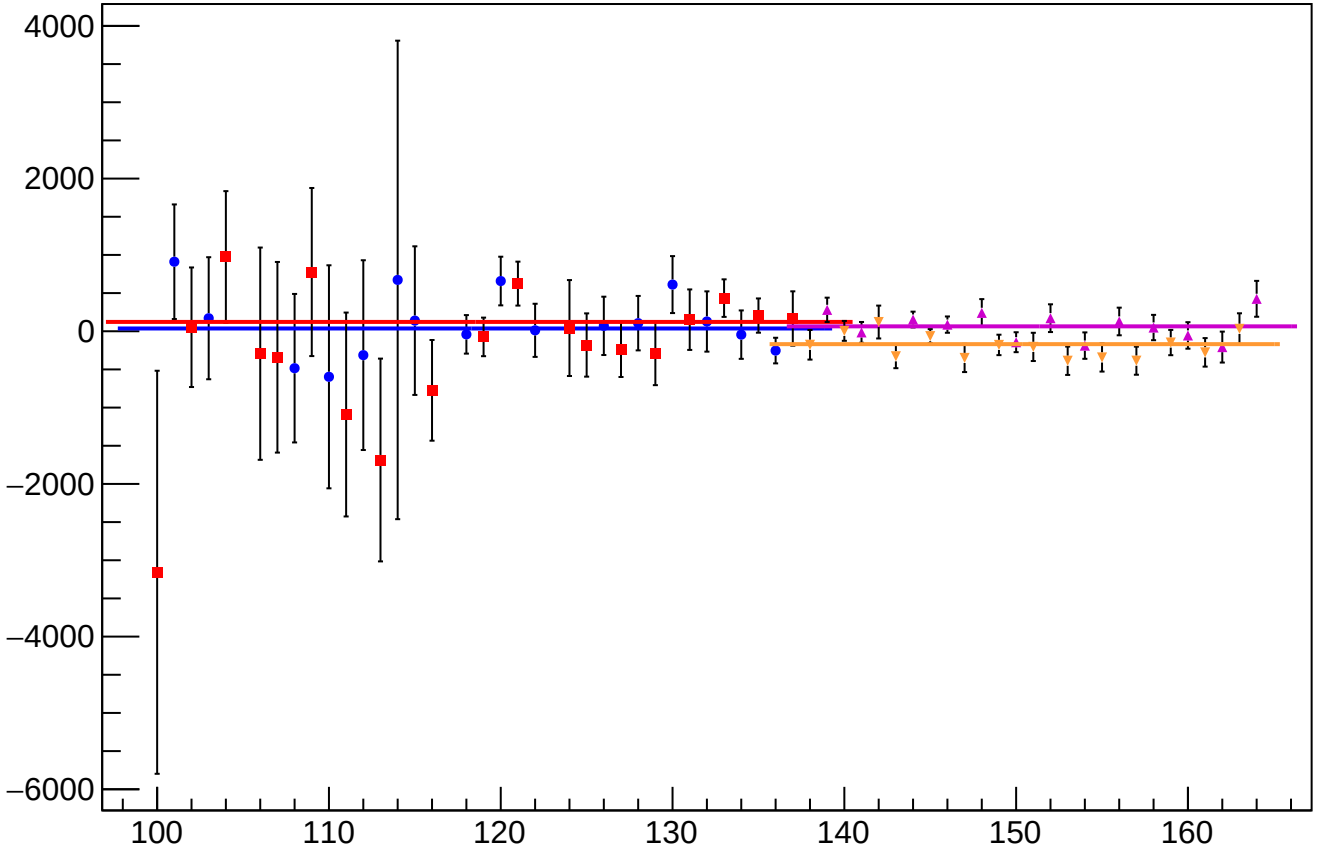
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 44.591+/-0.008 χ^2/NDF:1935165.6/28

Out: 45.072+/-0.008 χ^2/NDF:2267161.5/32

All: 44.831+/-0.005 χ^2/NDF: 4204319.3/61

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: -168.834+/-42.310 χ^2/NDF:11.9/13

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 64.195+/-41.897 χ^2/NDF:13.7/12

Left: -51.177+/-29.771 χ^2/NDF: 40.9/26

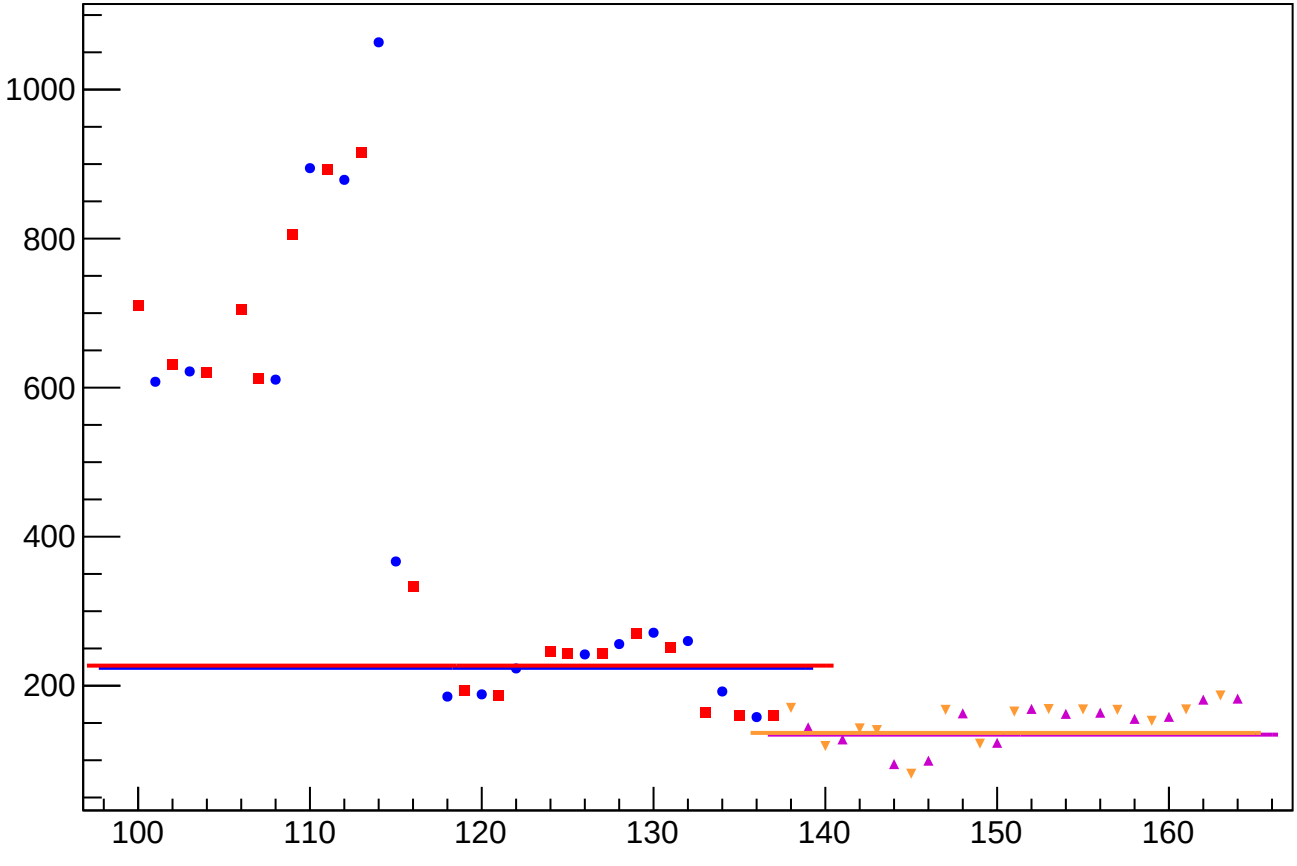
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 59.540+/-38.239 χ^2/NDF:25.2/28

Out: -121.371+/-38.708 χ^2/NDF:35.2/32

All: -29.812+/-27.203 χ^2/NDF: 71.4/61

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: 136.695+/-0.030 χ^2/NDF:1313302.0/13

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 134.364+/-0.030 χ^2/NDF:1021727.2/12

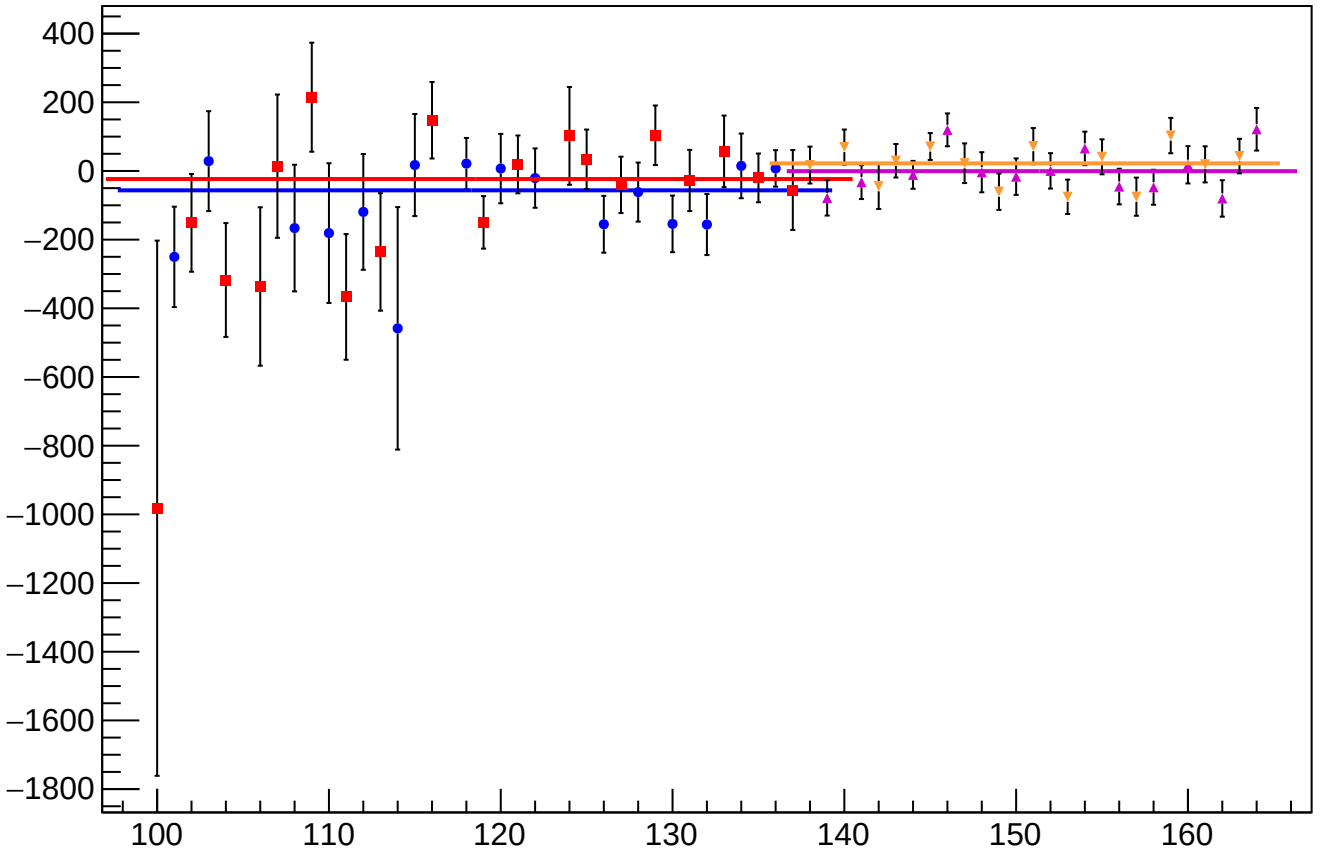
Left: 135.518+/-0.021 χ^2/NDF: 2338094.3/26

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 149.343+/-0.027 χ^2/NDF:5520239.6/28

Out: 151.413+/-0.027 χ^2/NDF:6369687.0/32

All: 150.366+/-0.019 χ^2/NDF: 11892822.0/61



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 22.136+/-13.743 χ^2/NDF:16.5/13

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -0.590+/-14.161 χ^2/NDF:18.9/12

Left: 11.114+/-9.862 χ^2/NDF: 36.6/26

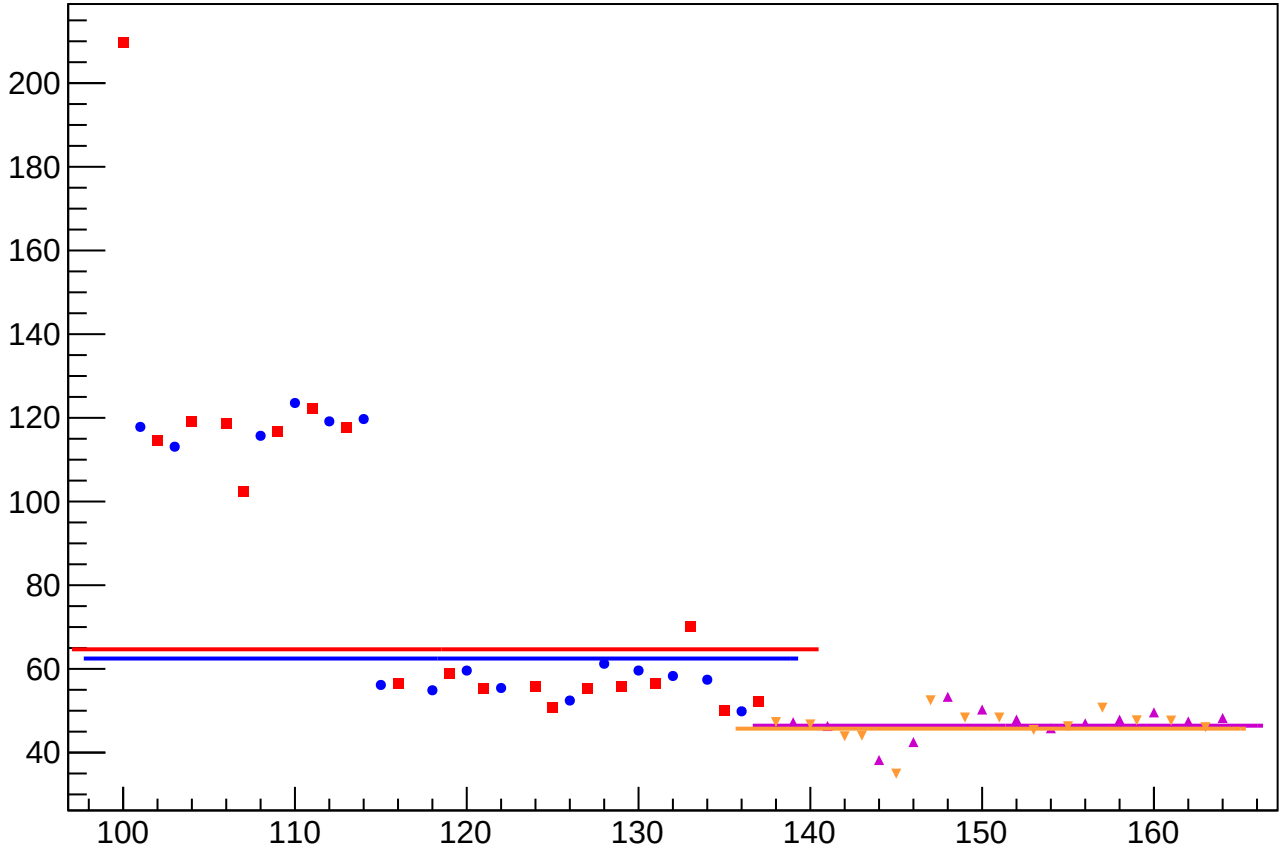
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -14.579+/-12.259 χ^2/NDF:35.0/28

Out: 11.651+/-12.061 χ^2/NDF:43.1/32

All: -1.251+/-8.598 χ^2/NDF: 80.4/61

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 45.716+/-0.010 χ^2/NDF:217811.4/13

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 46.427+/-0.010 χ^2/NDF:147075.2/12

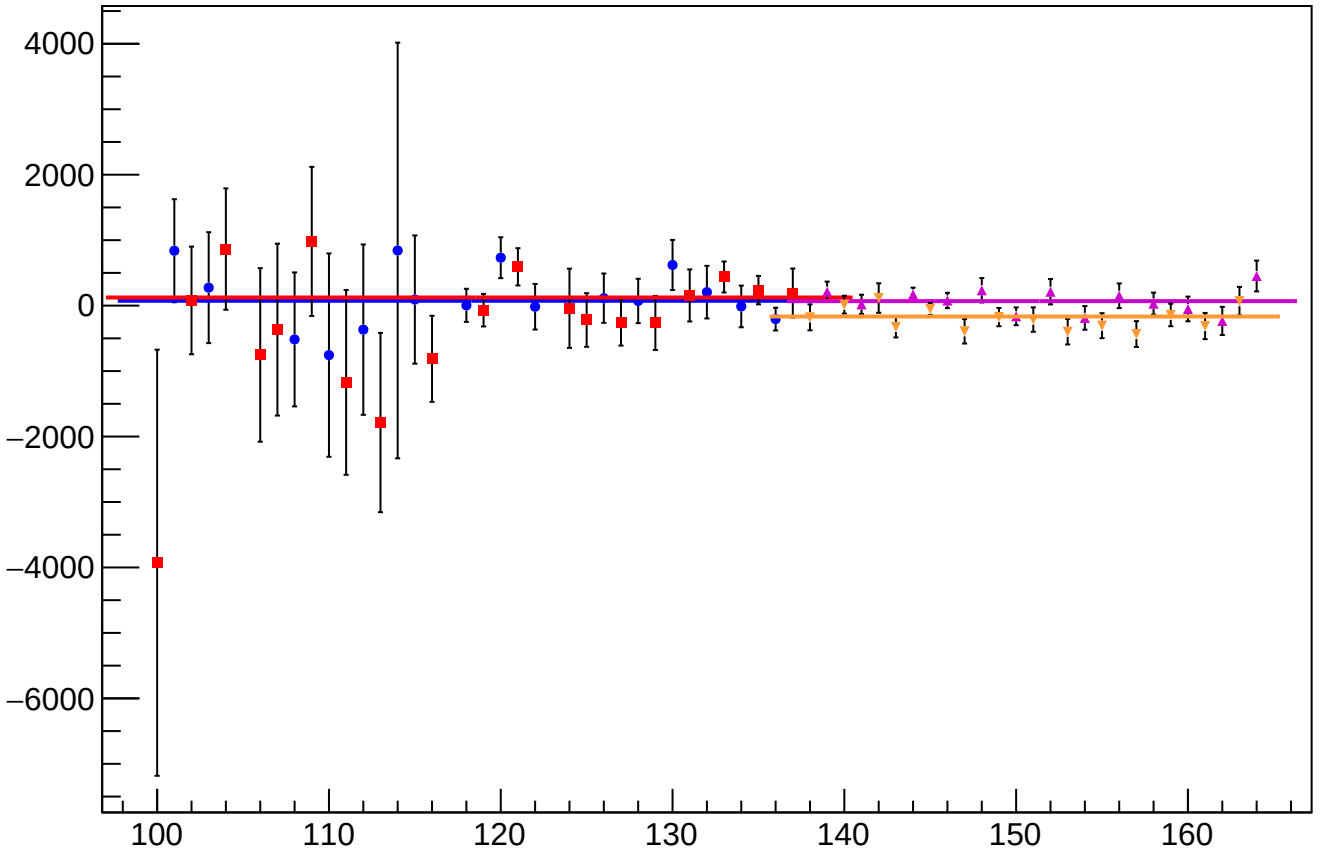
Left: 46.061+/-0.007 χ^2/NDF: 367487.9/26

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 50.448+/-0.009 χ^2/NDF:2138870.1/28

Out: 50.073+/-0.009 χ^2/NDF:2683441.1/32

All: 50.258+/-0.006 χ^2/NDF: 4823262.8/61



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -166.168+/-43.436 χ^2/NDF:13.0/13

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 68.440+/-43.679 χ^2/NDF:13.5/12

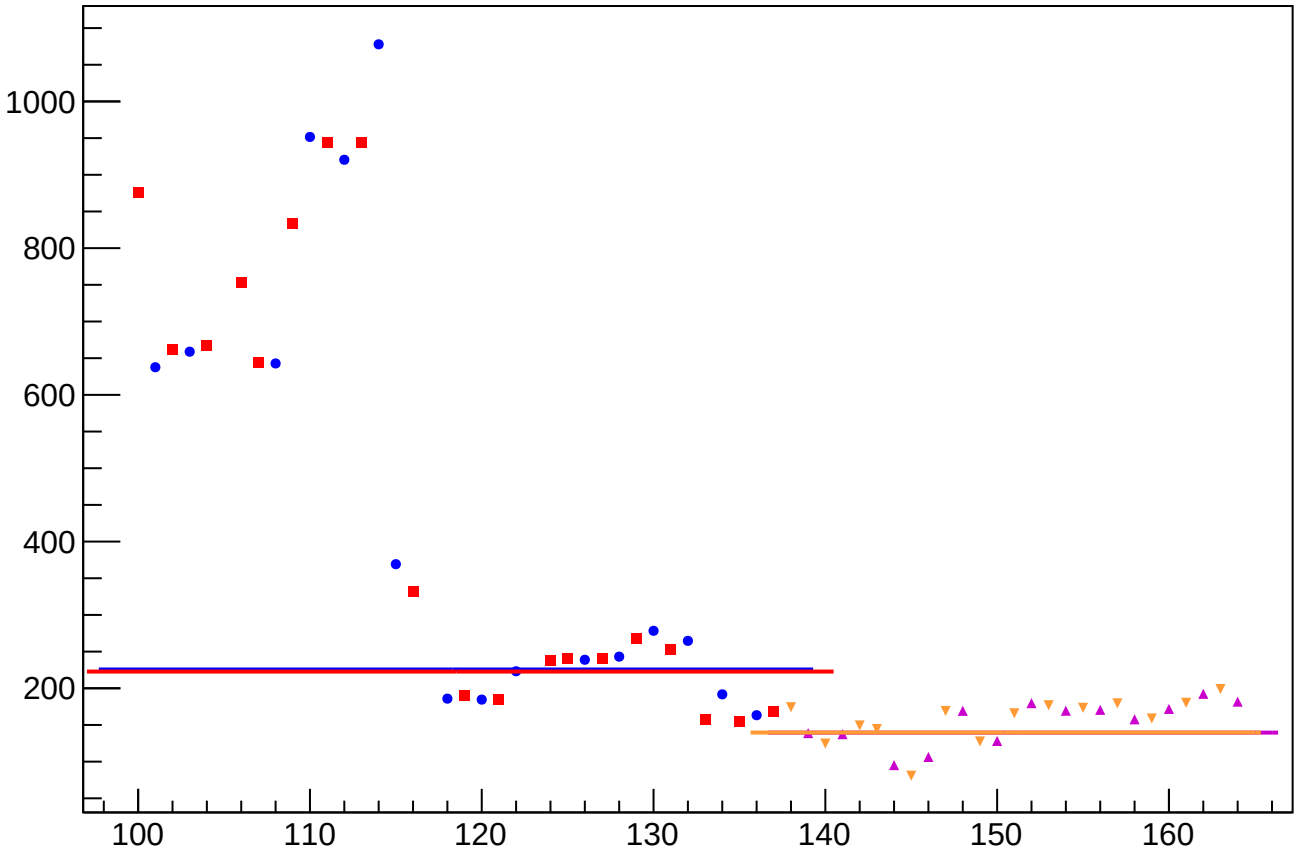
Left: -49.518+/-30.800 χ^2/NDF: 41.0/26

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 69.471+/-39.648 χ^2/NDF:24.7/28

Out: -115.668+/-39.479 χ^2/NDF:37.2/32

All: -23.494+/-27.975 χ^2/NDF: 72.8/61



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 139.666+/-0.031 χ^2/NDF:1523739.1/13

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 139.552+/-0.031 χ^2/NDF:1045312.3/12

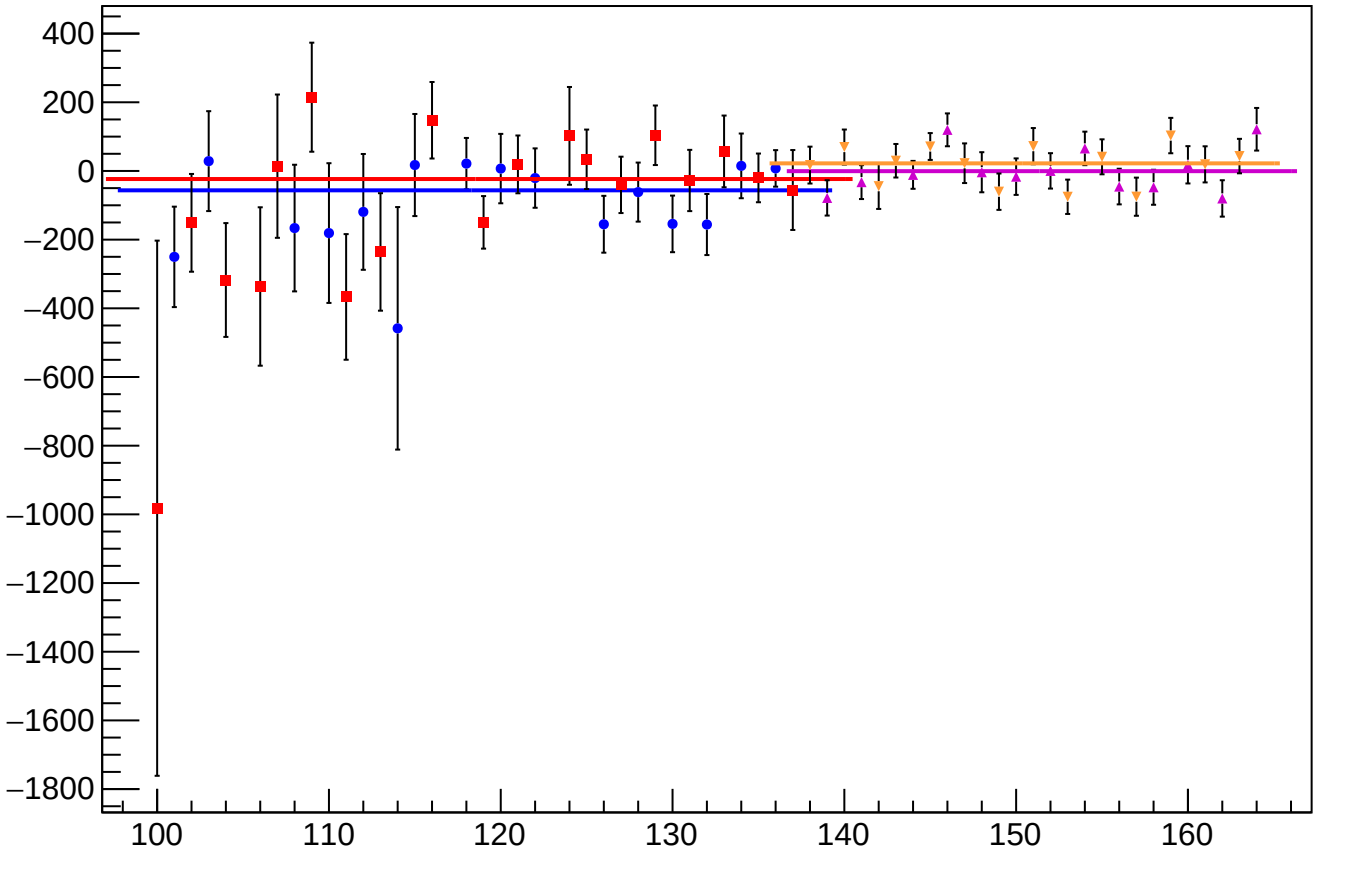
Left: 139.609+/-0.022 χ^2/NDF: 2569058.3/26

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 154.704+/-0.028 χ^2/NDF:5438291.9/28

Out: 154.122+/-0.028 χ^2/NDF:6645633.2/32

All: 154.412+/-0.020 χ^2/NDF: 12084141.1/61



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 22.137+/-13.743 χ^2/NDF:16.5/13

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: -0.589+/-14.161 χ^2/NDF:18.9/12

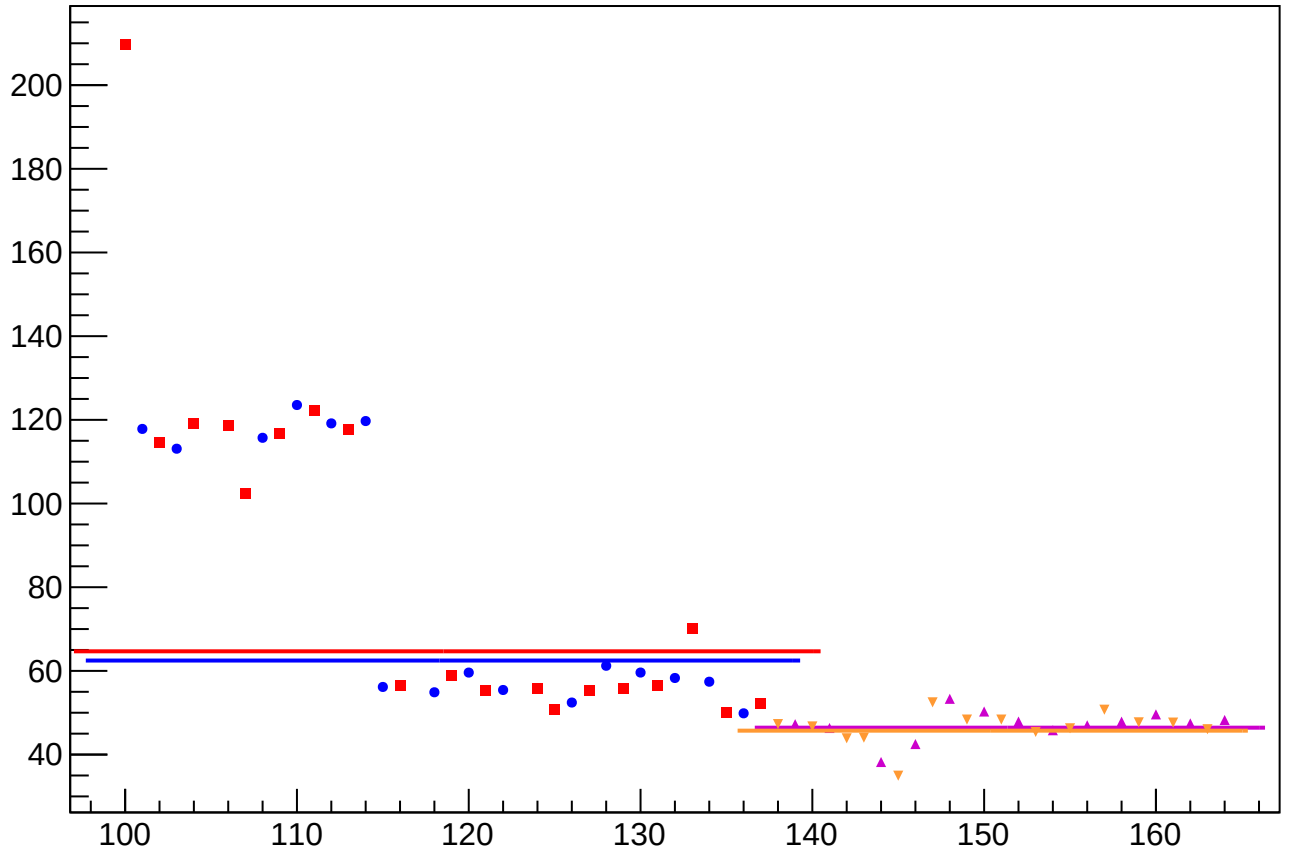
Left: 11.114+/-9.862 χ^2/NDF: 36.6/26

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -14.579+/-12.259 χ^2/NDF:35.0/28

Out: 11.650+/-12.061 χ^2/NDF:43.1/32

All: -1.251+/-8.598 χ^2/NDF: 80.4/61



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.716+/-0.010 χ^2/NDF:217816.3/13

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 46.427+/-0.010 χ^2/NDF:147076.6/12

Left: 46.061+/-0.007 χ^2/NDF: 367494.2/26

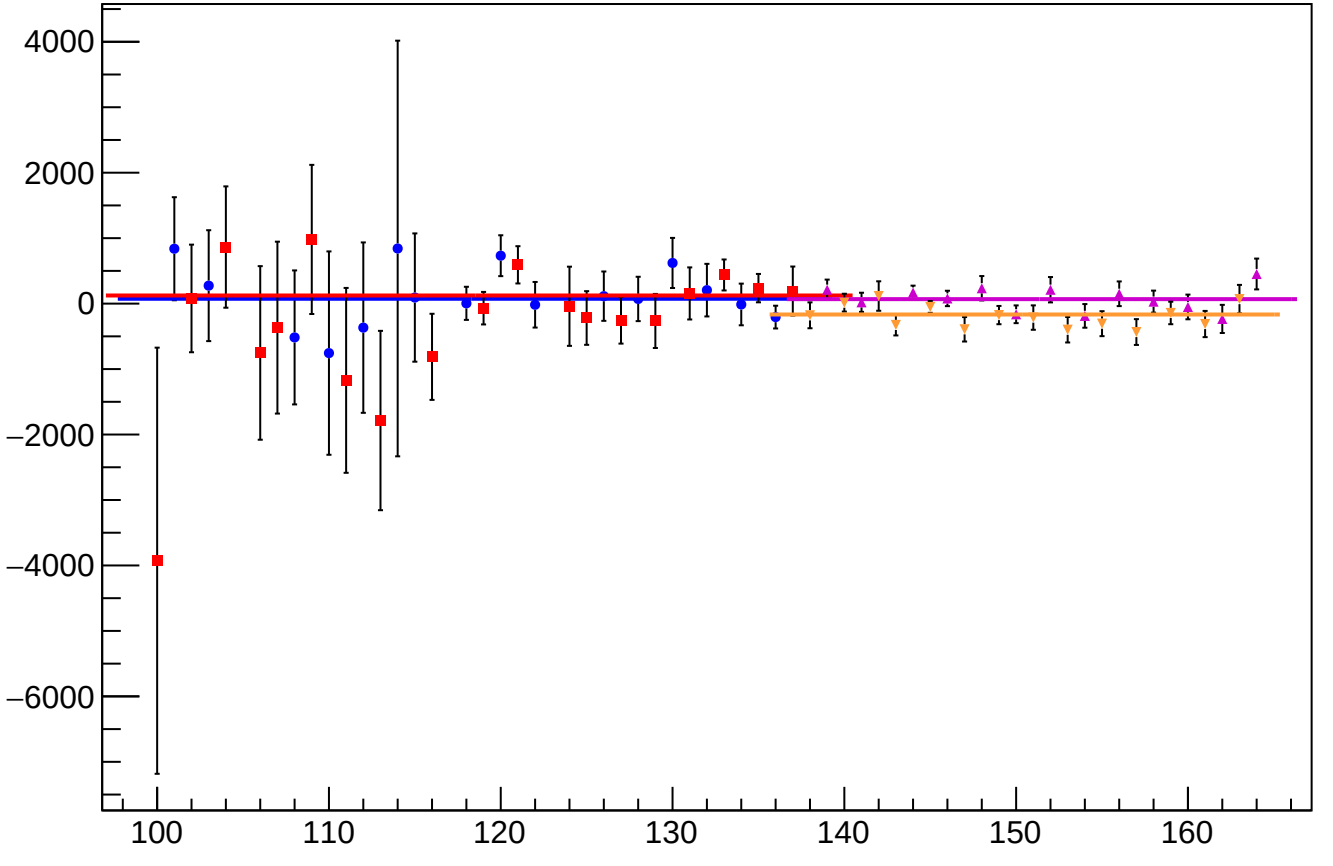
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 50.449+/-0.009 χ^2/NDF:2138809.8/28

Out: 50.073+/-0.009 χ^2/NDF:2683395.6/32

All: 50.258+/-0.006 χ^2/NDF: 4823156.7/61

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: -166.168+/-43.436 χ^2/NDF:13.0/13

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 68.441+/-43.679 χ^2/NDF:13.5/12

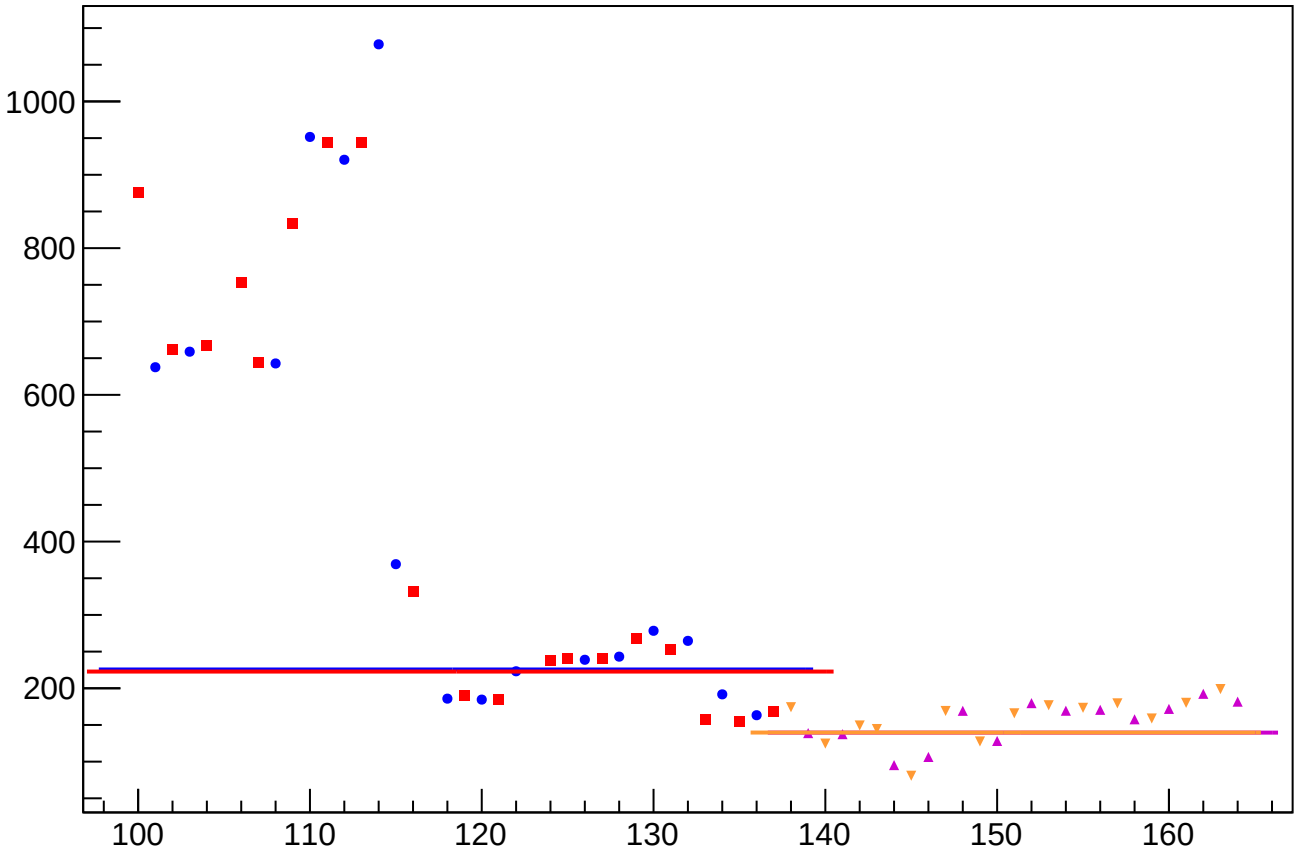
Left: -49.518+/-30.800 χ^2/NDF: 41.0/26

Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 69.472+/-39.648 χ^2/NDF:24.7/28

Out: -115.668+/-39.479 χ^2/NDF:37.2/32

All: -23.494+/-27.975 χ^2/NDF: 72.8/61



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 139.667+/-0.031 χ^2/NDF:1523725.5/13

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 139.552+/-0.031 χ^2/NDF:1045310.6/12

Left: 139.610+/-0.022 χ^2/NDF: 2569043.0/26

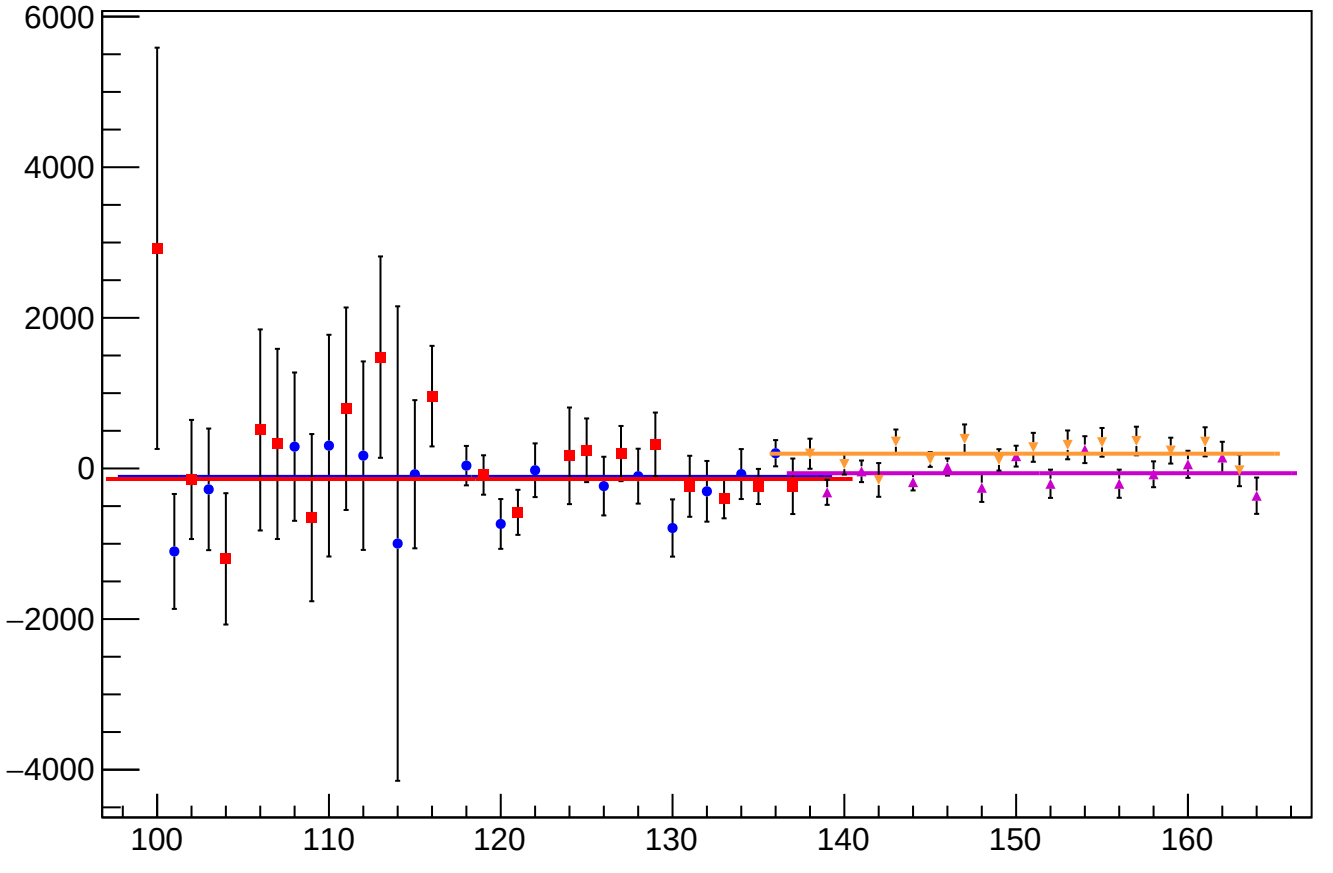
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 154.704+/-0.028 χ^2/NDF:5438269.3/28

Out: 154.123+/-0.028 χ^2/NDF:6645598.3/32

All: 154.412+/-0.020 χ^2/NDF: 12084083.5/61

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 196.102+/-44.385 χ^2/NDF:10.2/13

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -63.155+/-43.983 χ^2/NDF:14.9/12

Left: 65.294+/-31.242 χ^2/NDF: 42.3/26

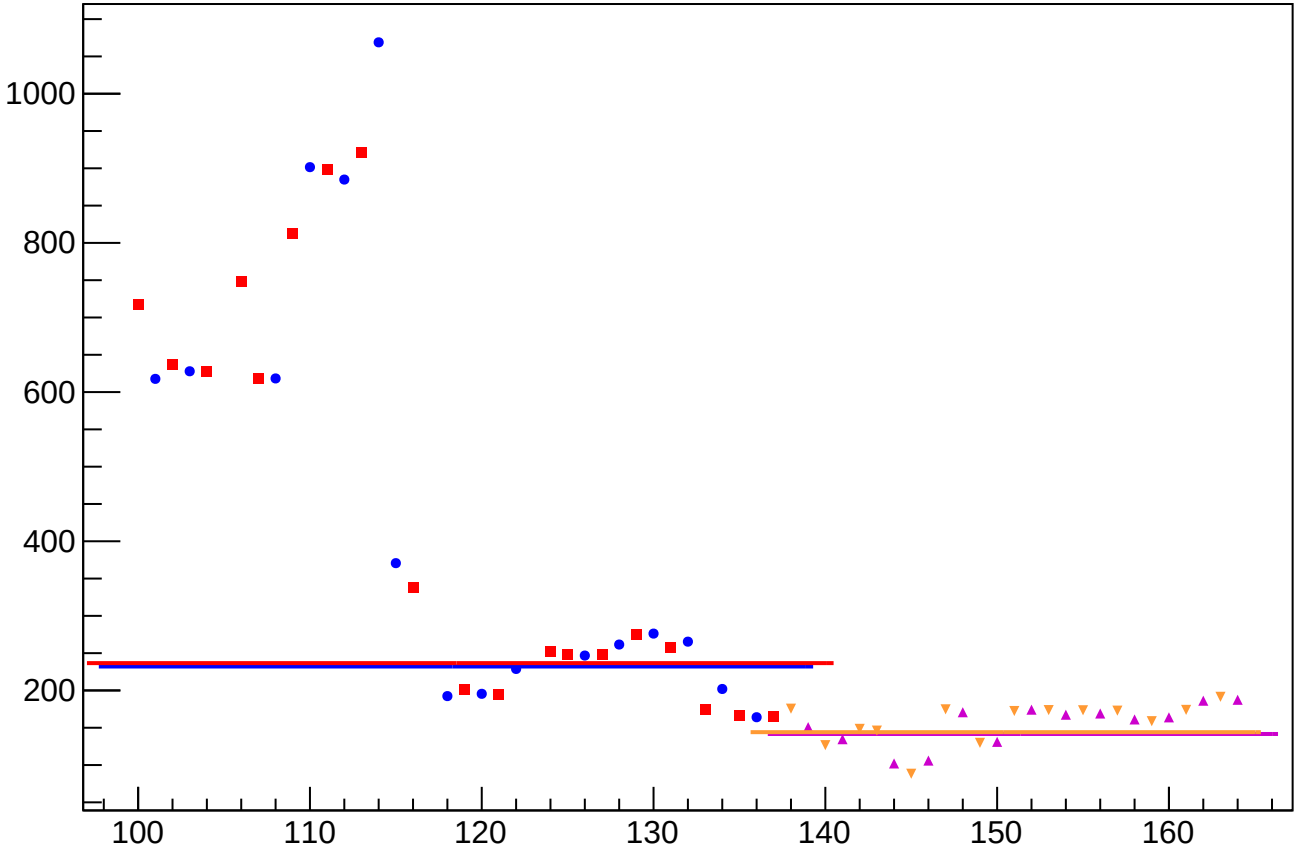
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -71.535+/-40.025 χ^2/NDF:27.9/28

Out: 140.020+/-40.512 χ^2/NDF:34.4/32

All: 32.963+/-28.473 χ^2/NDF: 76.1/61

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 144.082+/-0.031 χ^2/NDF:1141383.6/13

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 141.639+/-0.031 χ^2/NDF:886315.6/12

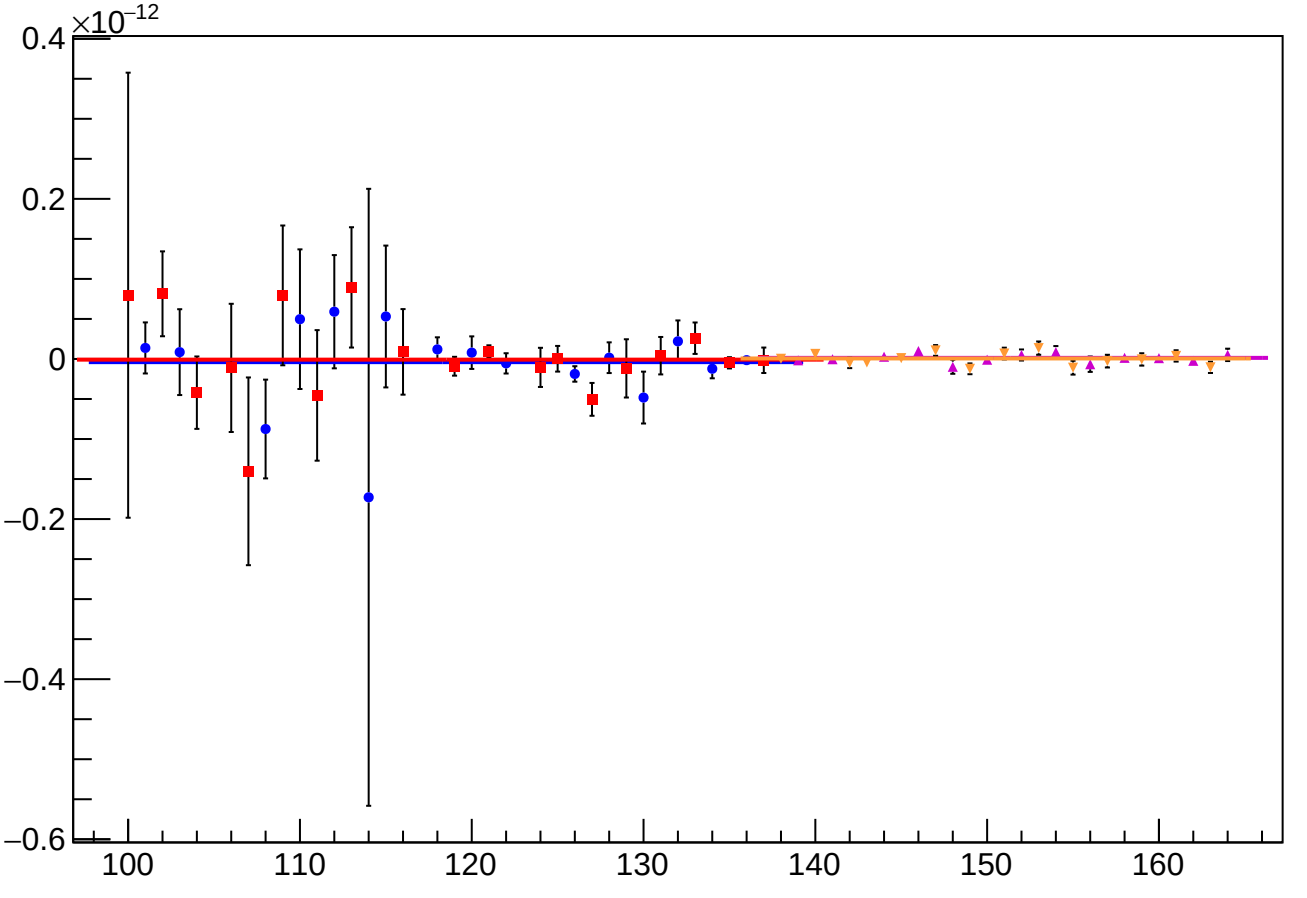
Left: 142.849+/-0.022 χ^2/NDF: 2030755.0/26

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 157.186+/-0.028 χ^2/NDF:5225983.5/28

Out: 159.528+/-0.029 χ^2/NDF:6113998.6/32

All: 158.343+/-0.020 χ^2/NDF: 11343363.7/61



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/12

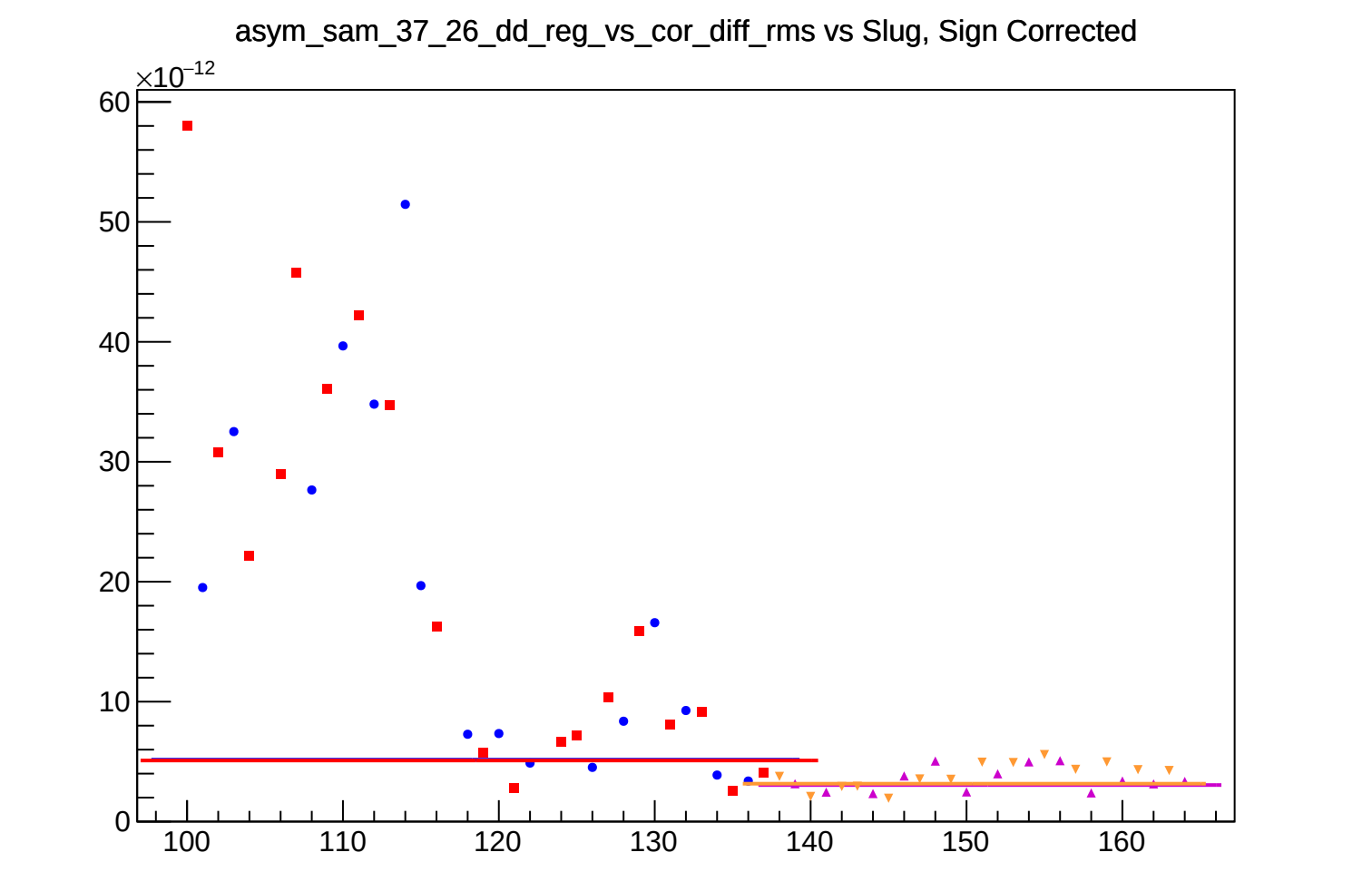
Left: 0.000+/-0.000 χ^2/NDF: 25.1/26

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:20.2/28

Out: 0.000+/-0.000 χ^2/NDF:36.1/32

All: 0.000+/-0.000 χ^2/NDF: 56.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1138566.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:594036.3/12

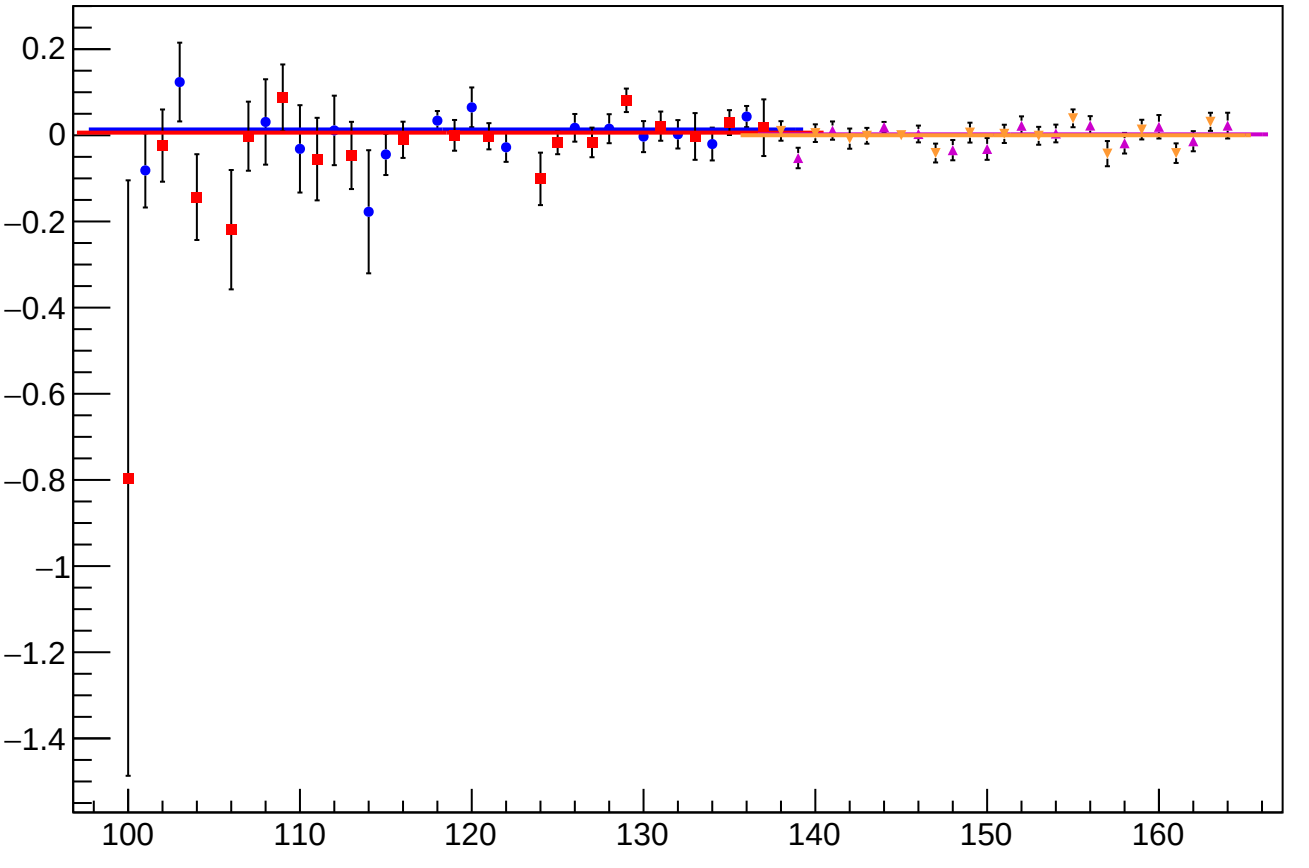
Left: 0.000+/-0.000 χ^2/NDF: 1737997.7/26

Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:3779104.9/28

Out: 0.000+/-0.000 χ^2/NDF:4792260.0/32

All: 0.000+/-0.000 χ^2/NDF: 8572655.9/61



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:15.6/13

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:15.6/12

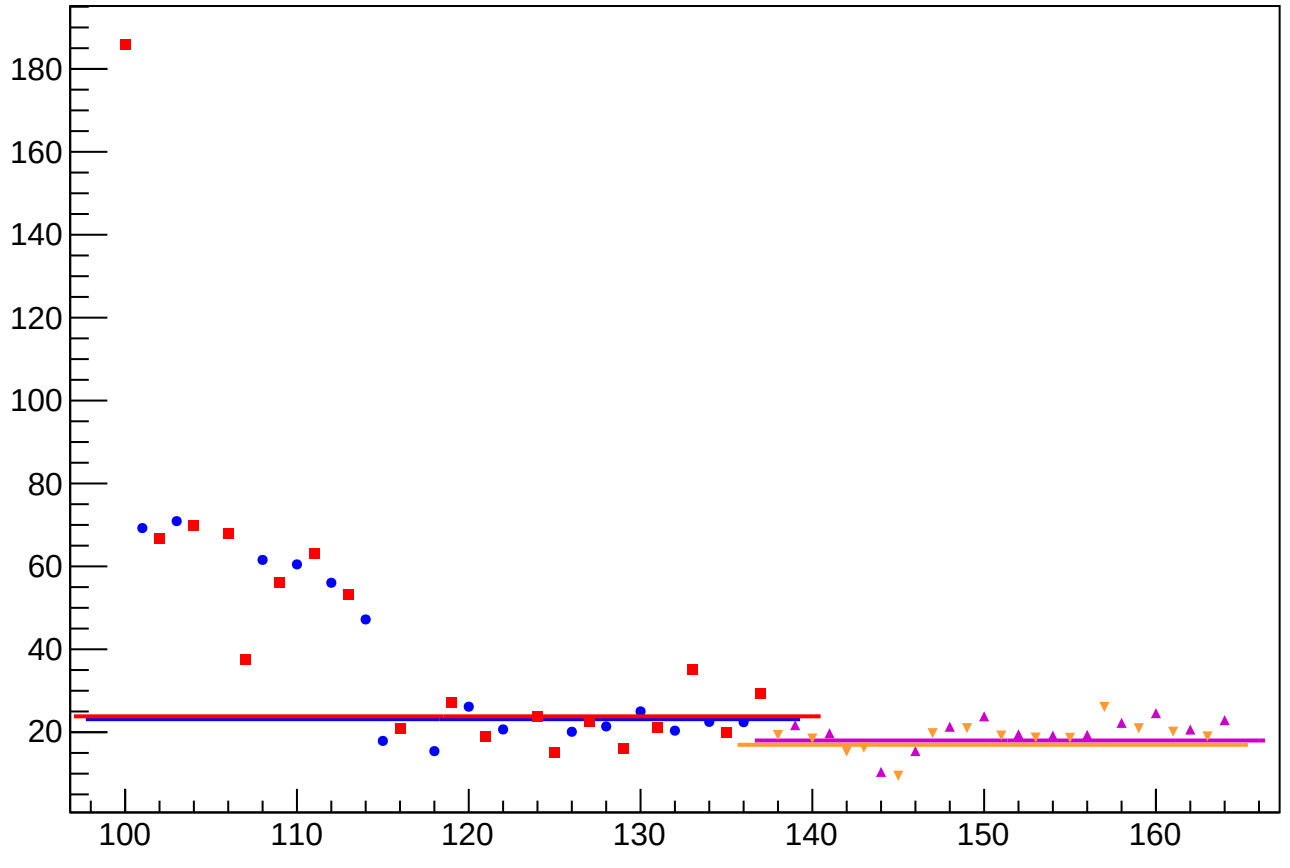
Left: 0.001+/-0.004 χ^2/NDF: 31.3/26

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:28.9/28

Out: 0.001+/-0.005 χ^2/NDF:37.4/32

All: 0.003+/-0.003 χ^2/NDF: 66.6/61



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.959+/-0.004 χ^2/NDF:1374170.4/13

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.999+/-0.004 χ^2/NDF:1349854.7/12

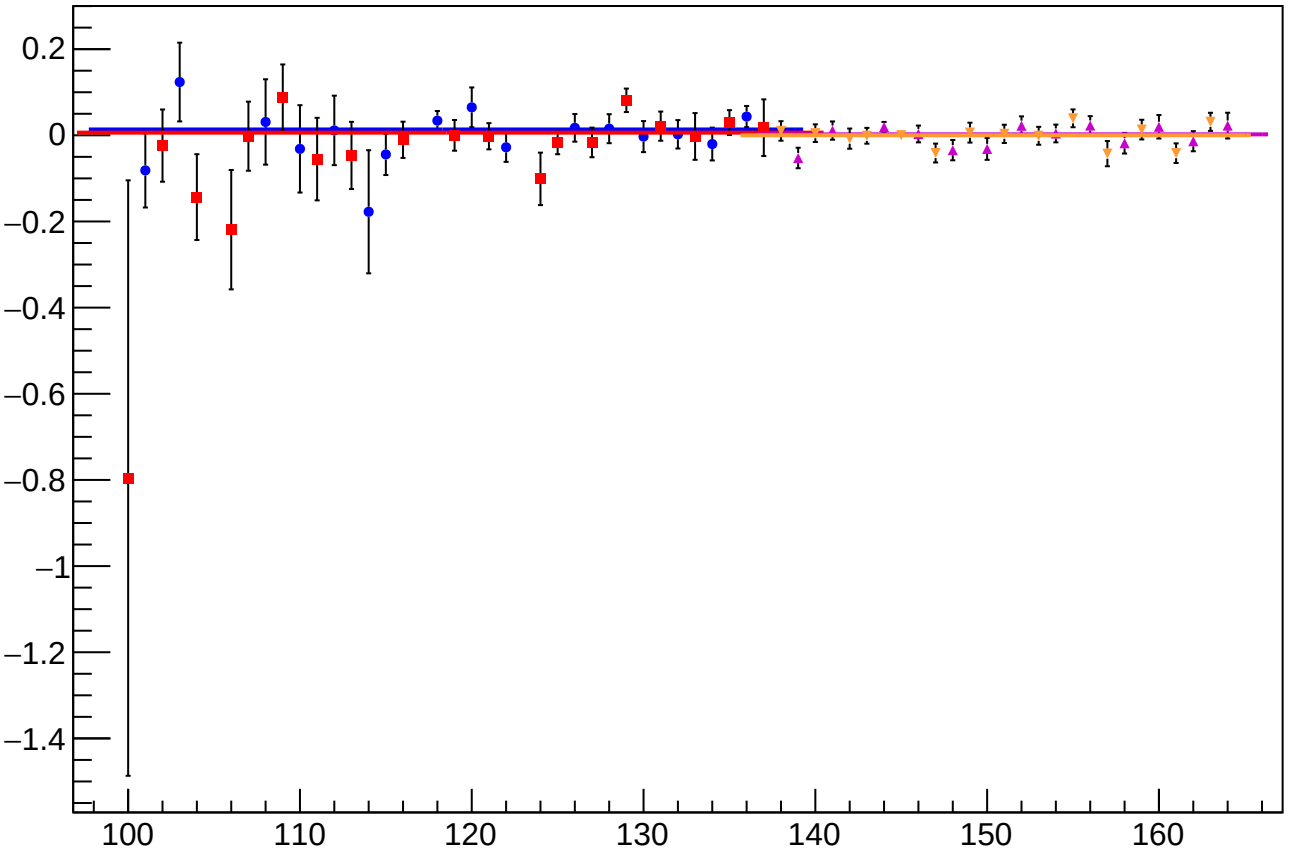
Left: 17.437+/-0.003 χ^2/NDF: 2758837.9/26

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 19.322+/-0.004 χ^2/NDF:4162130.7/28

Out: 18.467+/-0.003 χ^2/NDF:4998958.5/32

All: 18.870+/-0.002 χ^2/NDF: 9192102.0/61



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:15.6/13

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:15.6/12

Left: 0.001+/-0.004 χ^2/NDF: 31.3/26

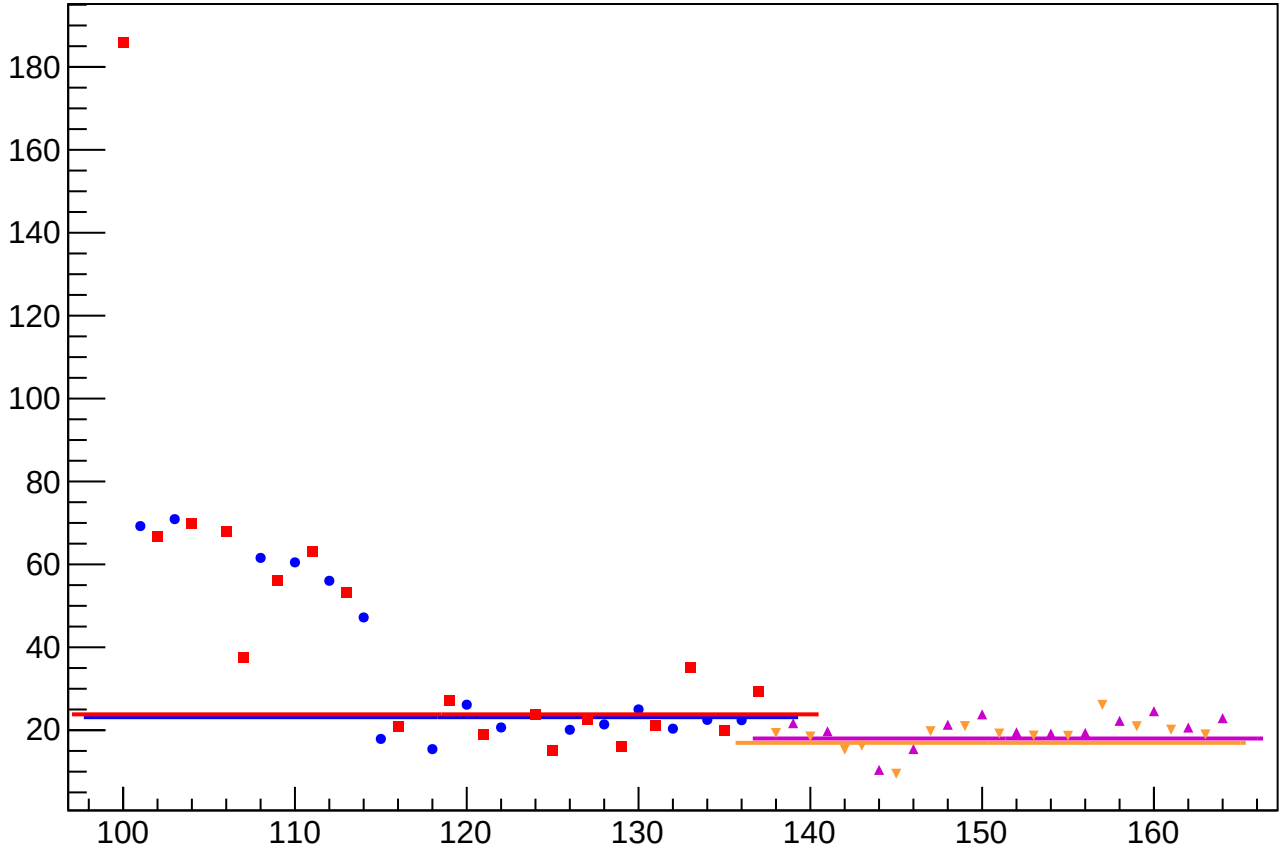
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:28.9/28

Out: 0.001+/-0.005 χ^2/NDF:37.4/32

All: 0.003+/-0.003 χ^2/NDF: 66.6/61

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: 16.959+/-0.004 χ^2/NDF:1374170.4/13

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.999+/-0.004 χ^2/NDF:1349854.7/12

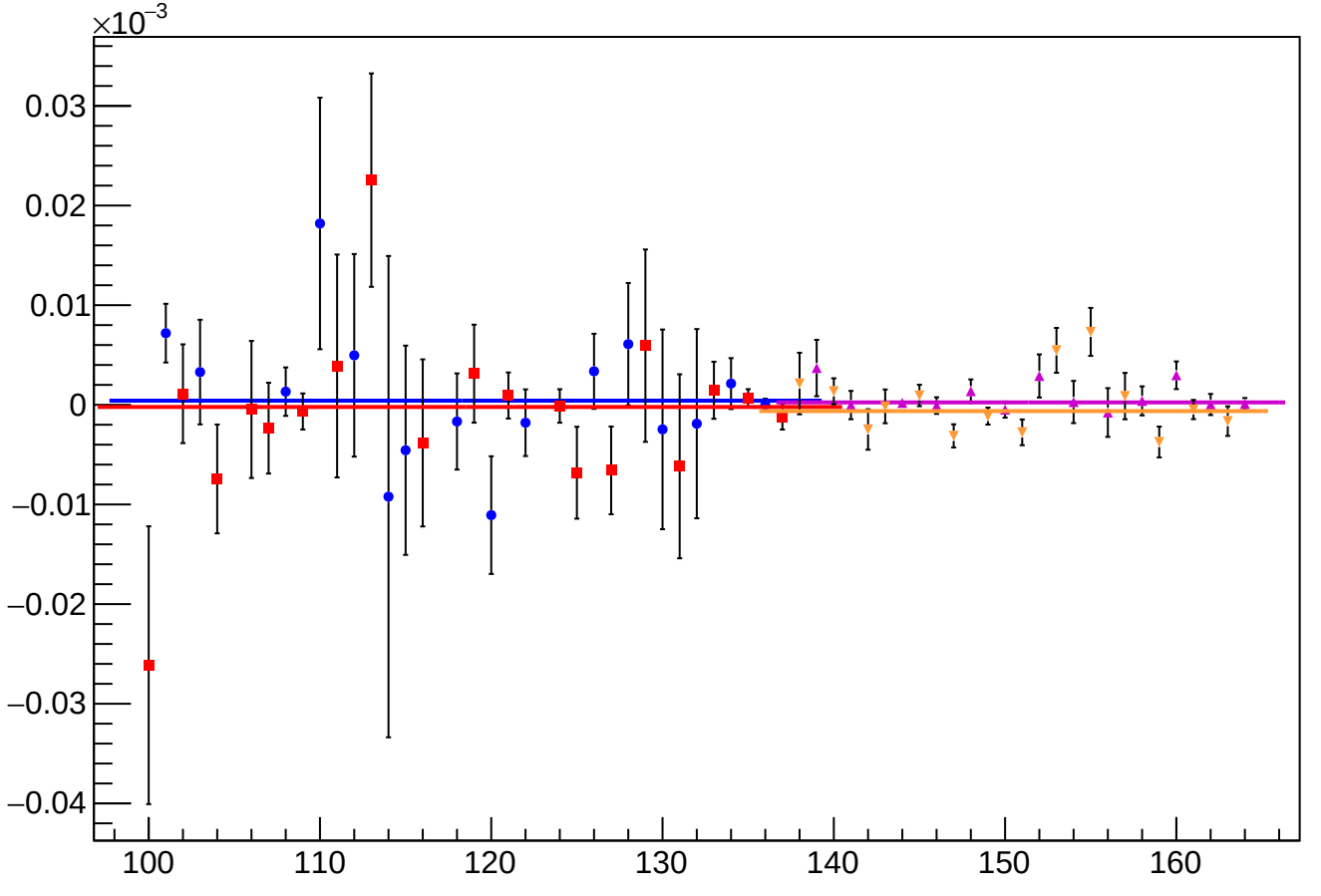
Left: 17.437+/-0.003 χ^2/NDF: 2758837.9/26

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 19.322+/-0.004 χ^2/NDF:4162130.7/28

Out: 18.467+/-0.003 χ^2/NDF:4998958.5/32

All: 18.870+/-0.002 χ^2/NDF: 9192102.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/12

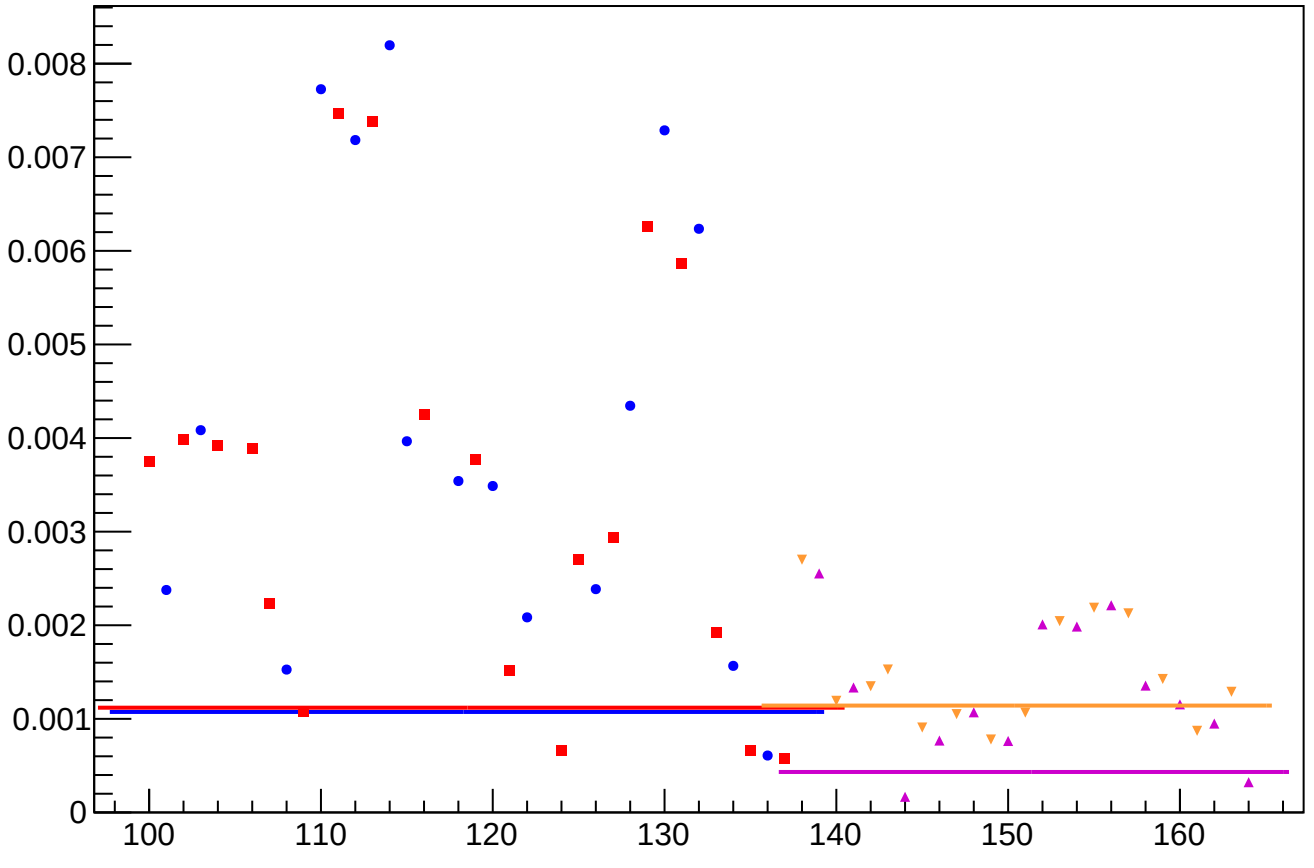
Left: 0.000+/-0.000 χ^2/NDF: 50.4/26

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:24.4/28

Out: -0.000+/-0.000 χ^2/NDF:55.2/32

All: 0.000+/-0.000 χ^2/NDF: 84.2/61



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:2411470.3/13

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10448688.1/12

Left: 0.001+/-0.000 χ^2/NDF: 18590543.0/26

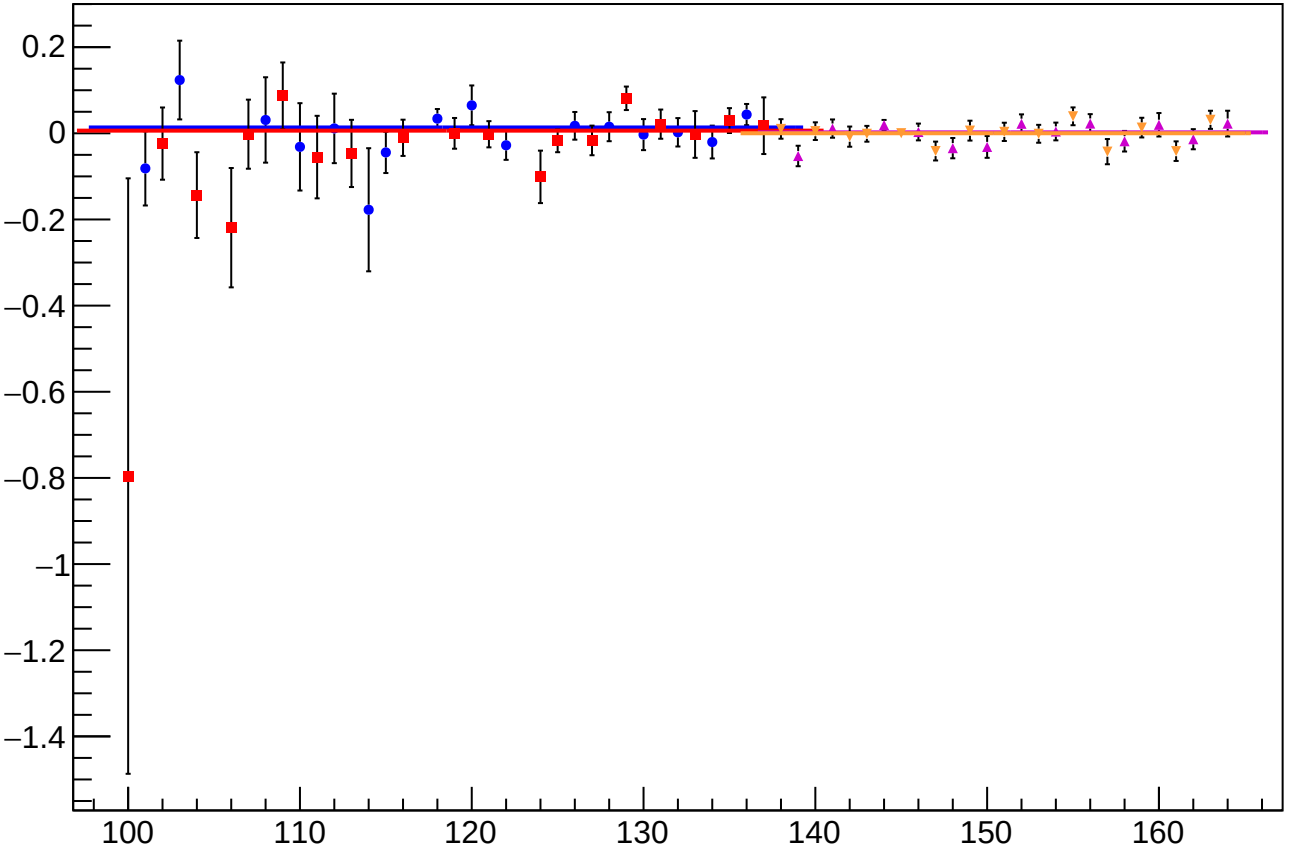
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:19812312.8/28

Out: 0.001+/-0.000 χ^2/NDF:9210032.5/32

All: 0.001+/-0.000 χ^2/NDF: 35099324.8/61

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:15.6/13

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:15.6/12

Left: 0.001+/-0.004 χ^2/NDF: 31.3/26

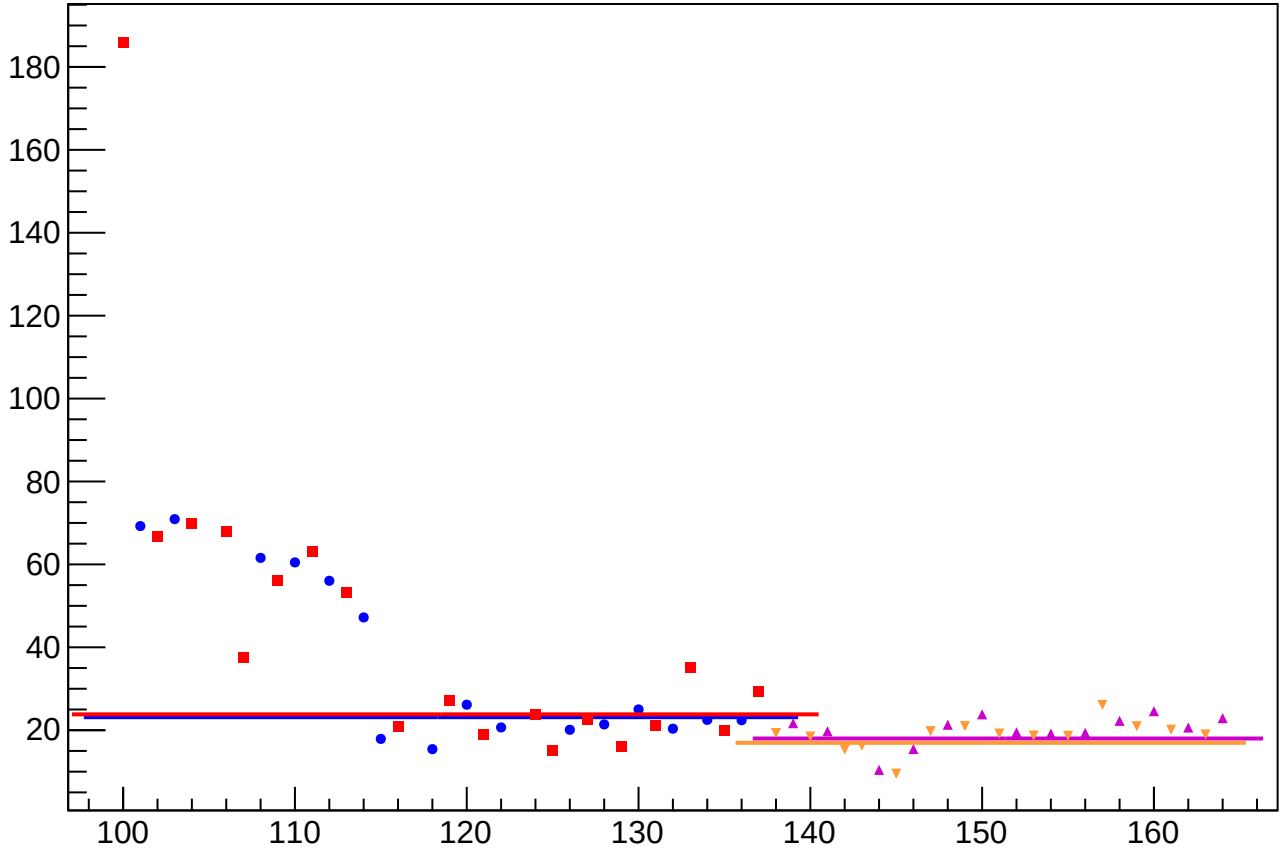
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:28.9/28

Out: 0.001+/-0.005 χ^2/NDF:37.4/32

All: 0.003+/-0.003 χ^2/NDF: 66.6/61

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: 16.960+/-0.004 χ^2/NDF:1374282.4/13

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.999+/-0.004 χ^2/NDF:1349836.6/12

Left: 17.437+/-0.003 χ^2/NDF: 2758936.0/26

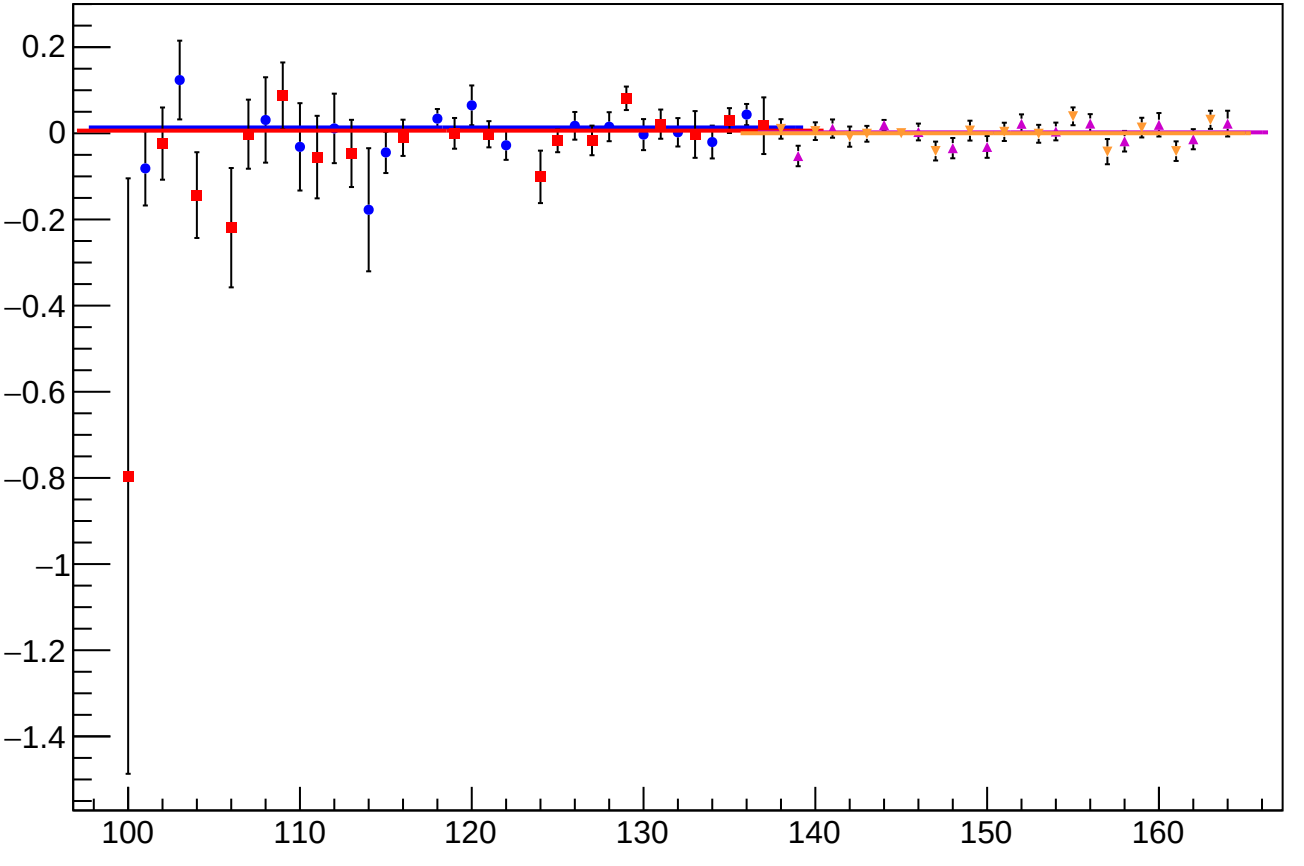
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 19.322+/-0.004 χ^2/NDF:4161929.8/28

Out: 18.467+/-0.003 χ^2/NDF:4998891.8/32

All: 18.870+/-0.002 χ^2/NDF: 9191826.5/61

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: 0.000+/-0.005 χ^2/NDF:15.6/13

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.006 χ^2/NDF:15.6/12

Left: 0.001+/-0.004 χ^2/NDF: 31.3/26

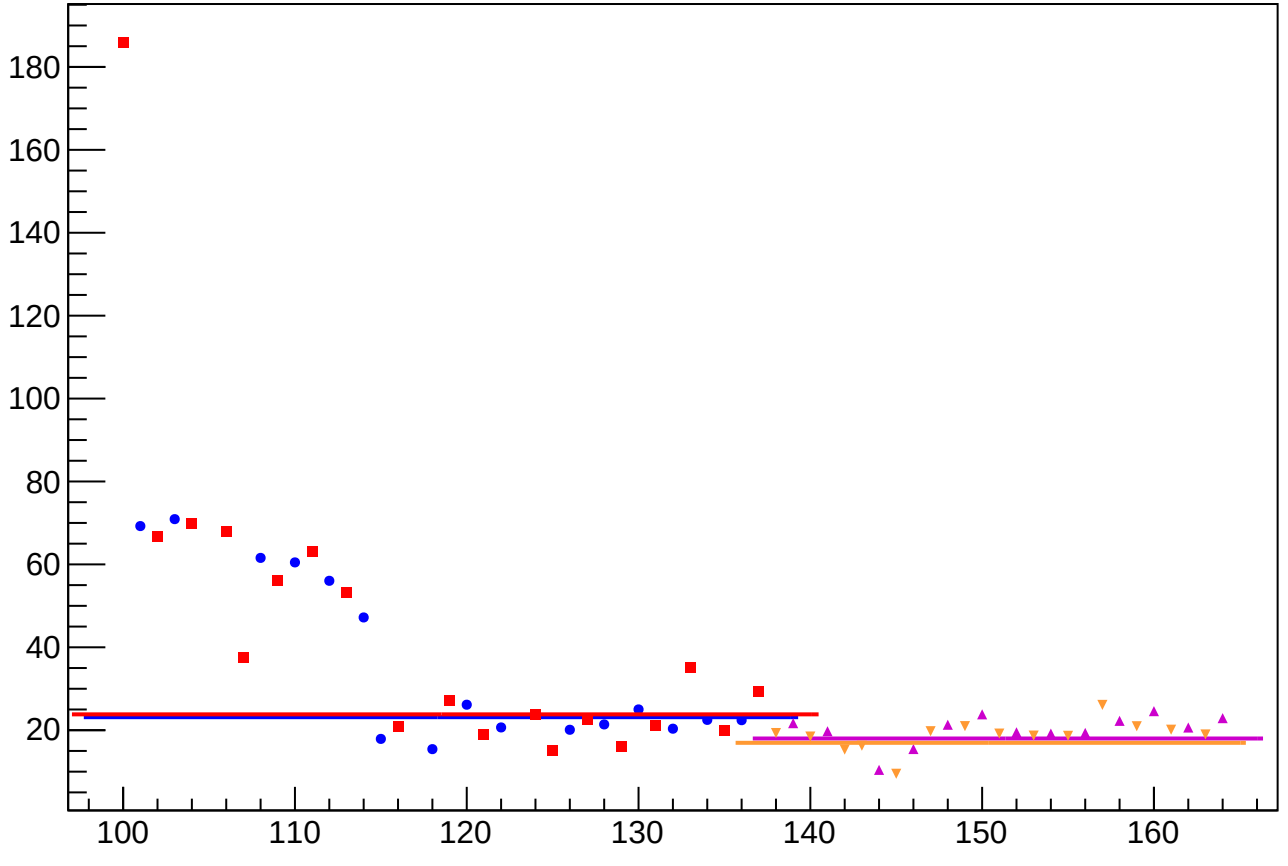
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:28.9/28

Out: 0.001+/-0.005 χ^2/NDF:37.4/32

All: 0.003+/-0.003 χ^2/NDF: 66.6/61

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: 16.960+/-0.004 χ^2/NDF:1374282.4/13

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.999+/-0.004 χ^2/NDF:1349836.6/12

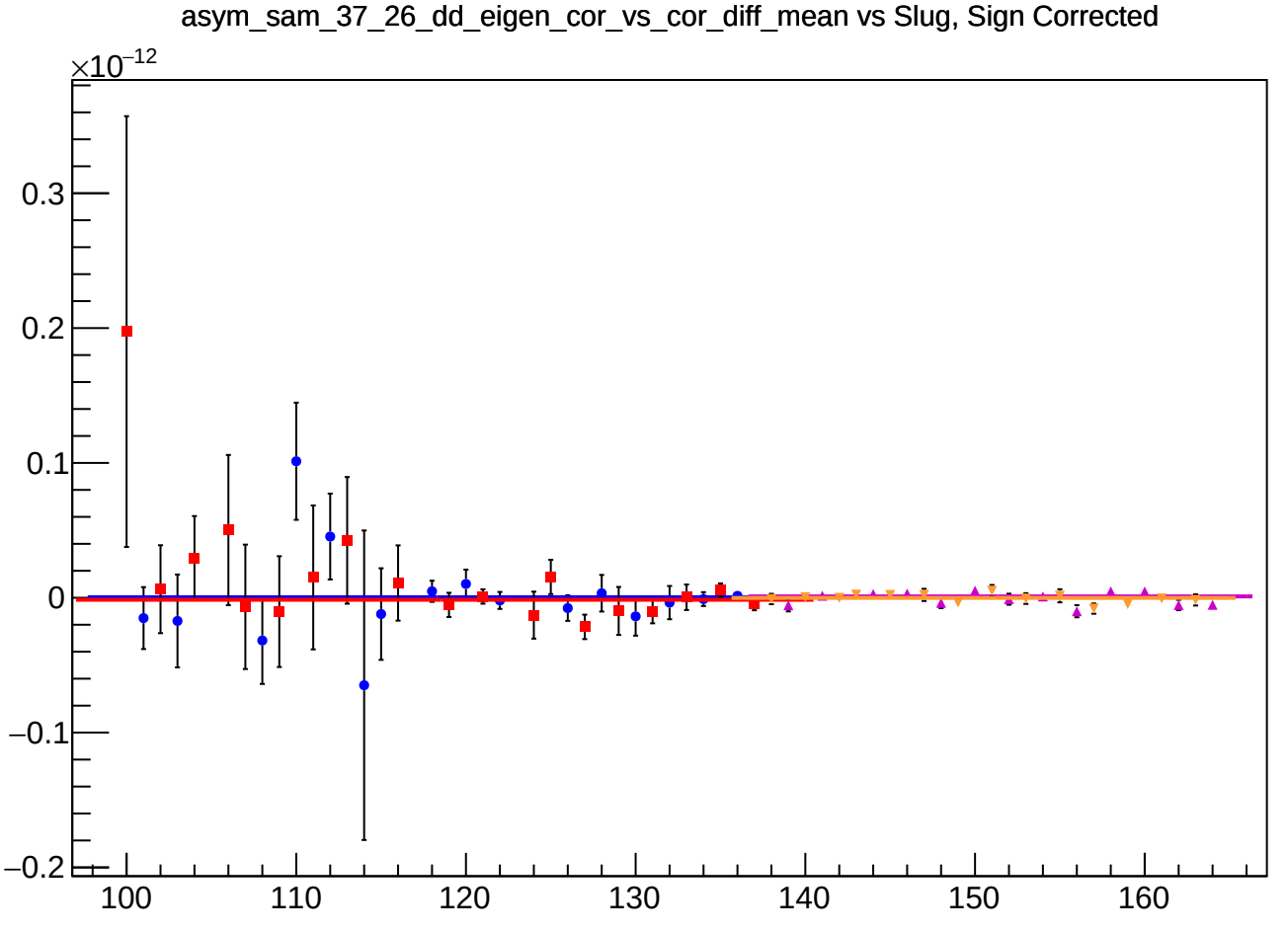
Left: 17.437+/-0.003 χ^2/NDF: 2758936.0/26

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 19.322+/-0.004 χ^2/NDF:4161929.8/28

Out: 18.467+/-0.003 χ^2/NDF:4998891.8/32

All: 18.870+/-0.002 χ^2/NDF: 9191826.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:22.3/12

Left: 0.000+/-0.000 χ^2/NDF: 35.4/26

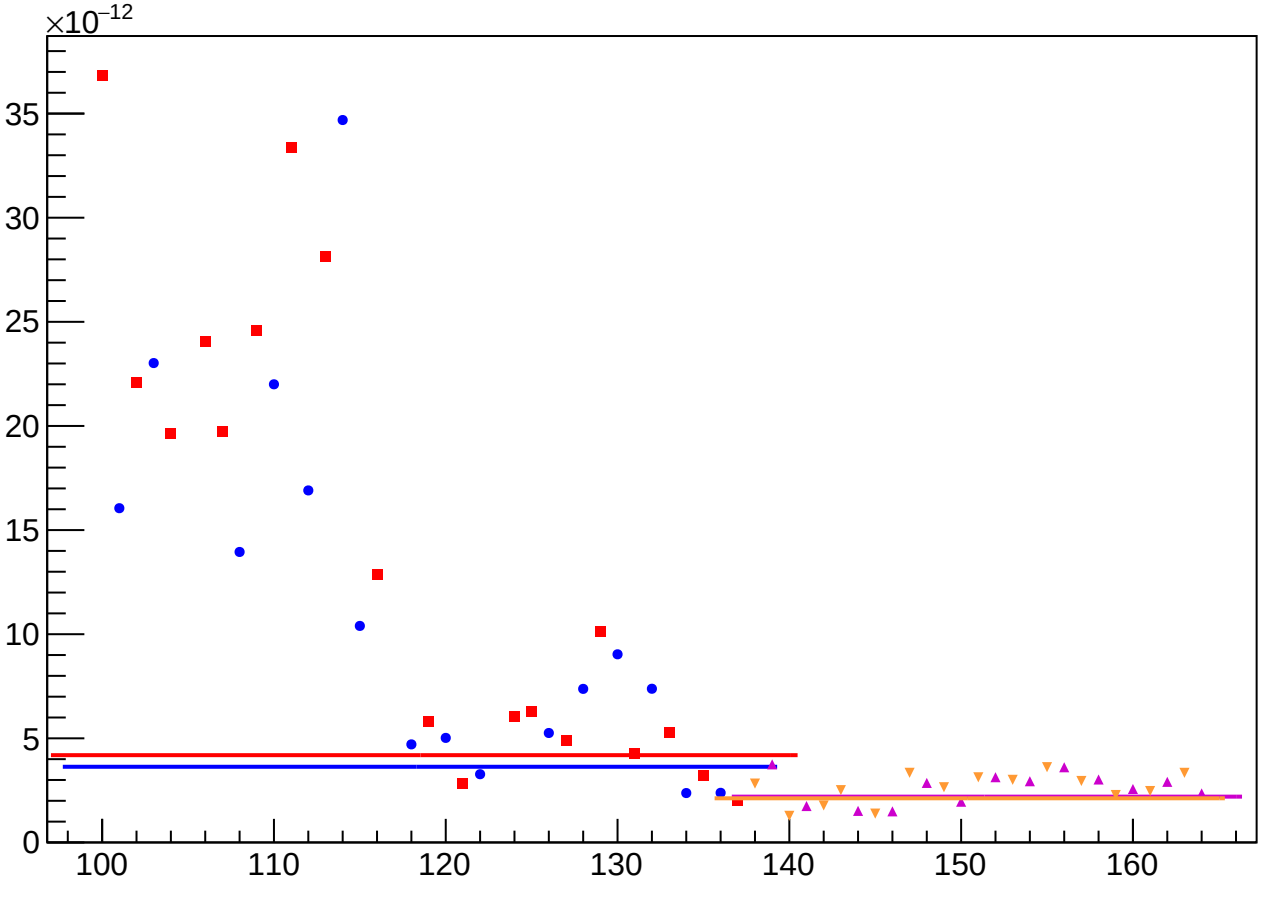
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:35.3/28

Out: -0.000+/-0.000 χ^2/NDF:28.0/32

All: 0.000+/-0.000 χ^2/NDF: 64.5/61

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1835878.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1441113.0/12

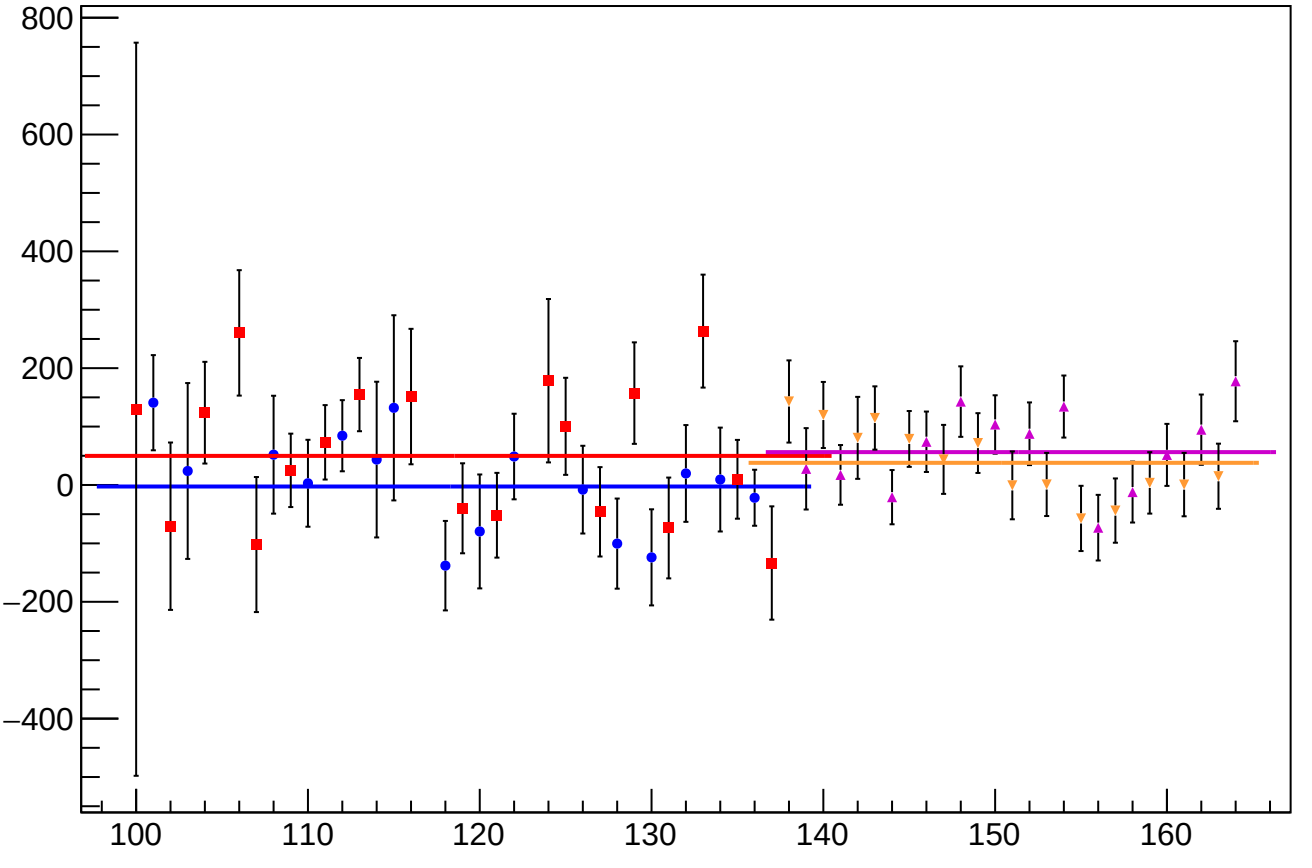
Left: 0.000+/-0.000 χ^2/NDF: 3286415.8/26

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:5867448.6/28

Out: 0.000+/-0.000 χ^2/NDF:7673502.7/32

All: 0.000+/-0.000 χ^2/NDF: 13548364.7/61



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 37.940+/-14.947 χ^2/NDF:15.0/13

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 56.264+/-15.196 χ^2/NDF:19.6/12

Left: 46.951+/-10.656 χ^2/NDF: 35.4/26

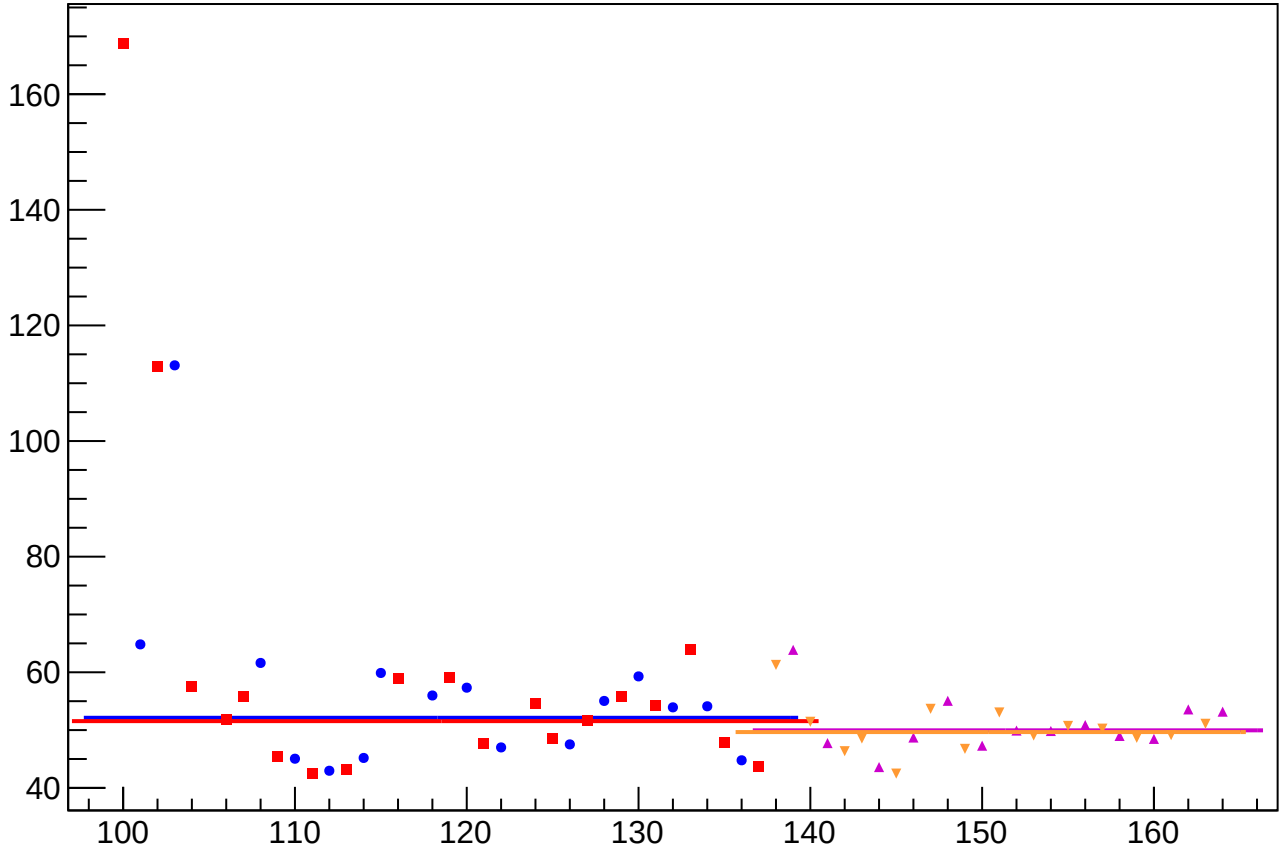
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 34.707+/-12.098 χ^2/NDF:39.7/28

Out: 42.299+/-11.890 χ^2/NDF:44.6/32

All: 38.569+/-8.480 χ^2/NDF: 84.5/61

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.658+/-0.011 χ^2/NDF:132903.7/13

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.958+/-0.011 χ^2/NDF:156679.1/12

Left: 49.806+/-0.008 χ^2/NDF: 289978.3/26

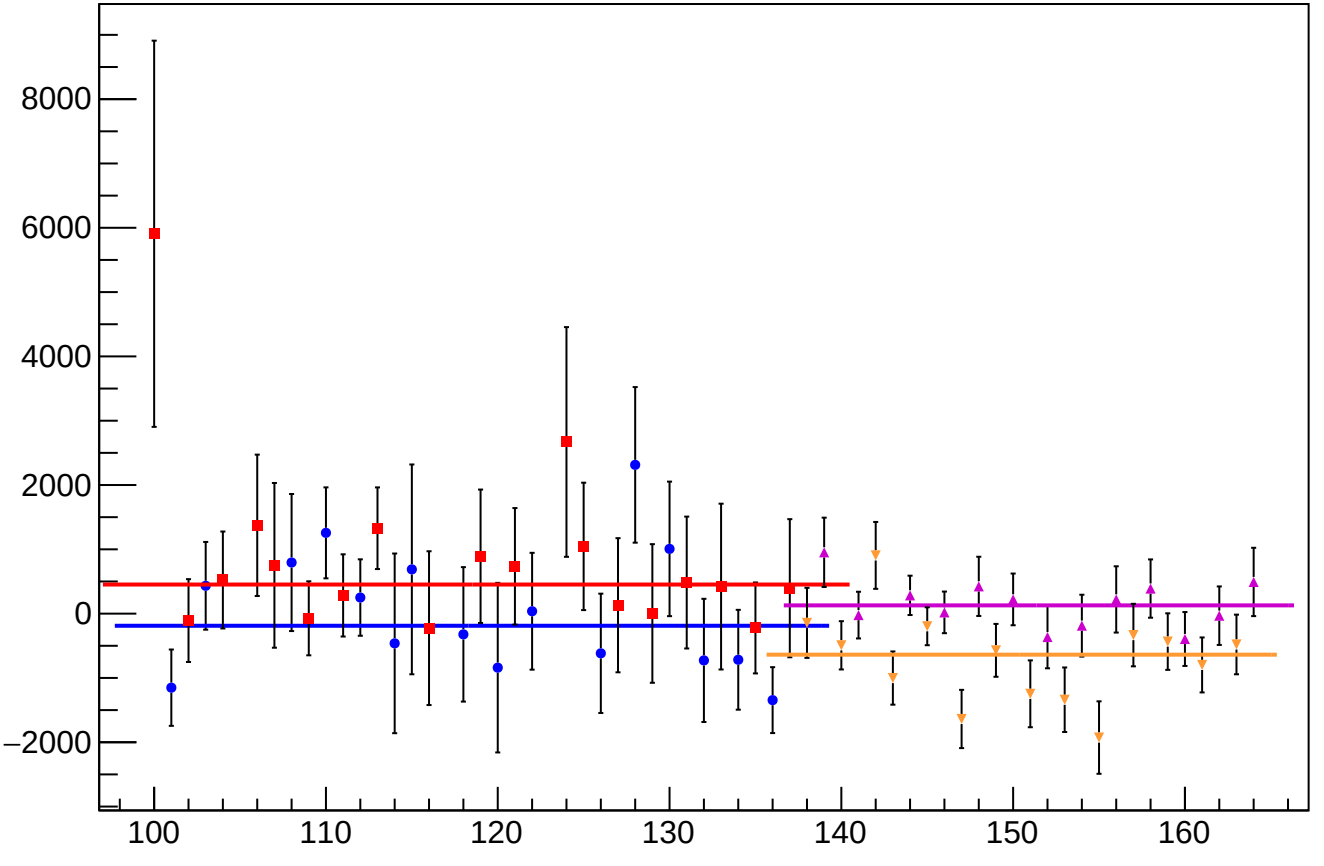
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.753+/-0.009 χ^2/NDF:734533.0/28

Out: 50.353+/-0.008 χ^2/NDF:784228.2/32

All: 50.549+/-0.006 χ^2/NDF: 1519872.0/61

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: -638.181+/-117.315 χ^2/NDF:27.1/13

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 128.495+/-116.707 χ^2/NDF:7.3/12

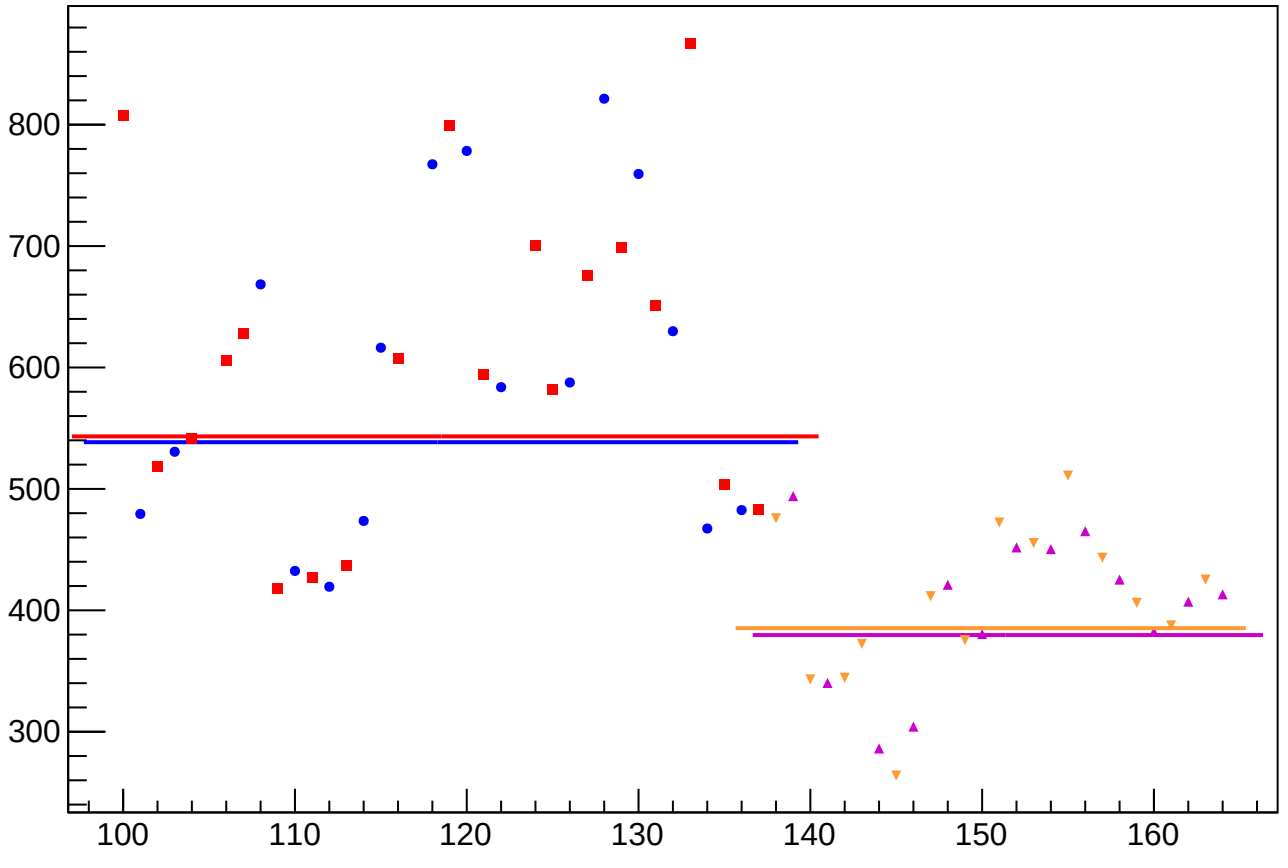
Left: -252.853+/-82.739 χ^2/NDF: 55.9/26

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 51.349+/-101.521 χ^2/NDF:30.5/28

Out: -366.950+/-101.688 χ^2/NDF:59.9/32

All: -157.457+/-71.845 χ^2/NDF: 98.9/61



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 385.314+/-0.083 χ^2/NDF:684272.1/13

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 379.644+/-0.083 χ^2/NDF:603234.6/12

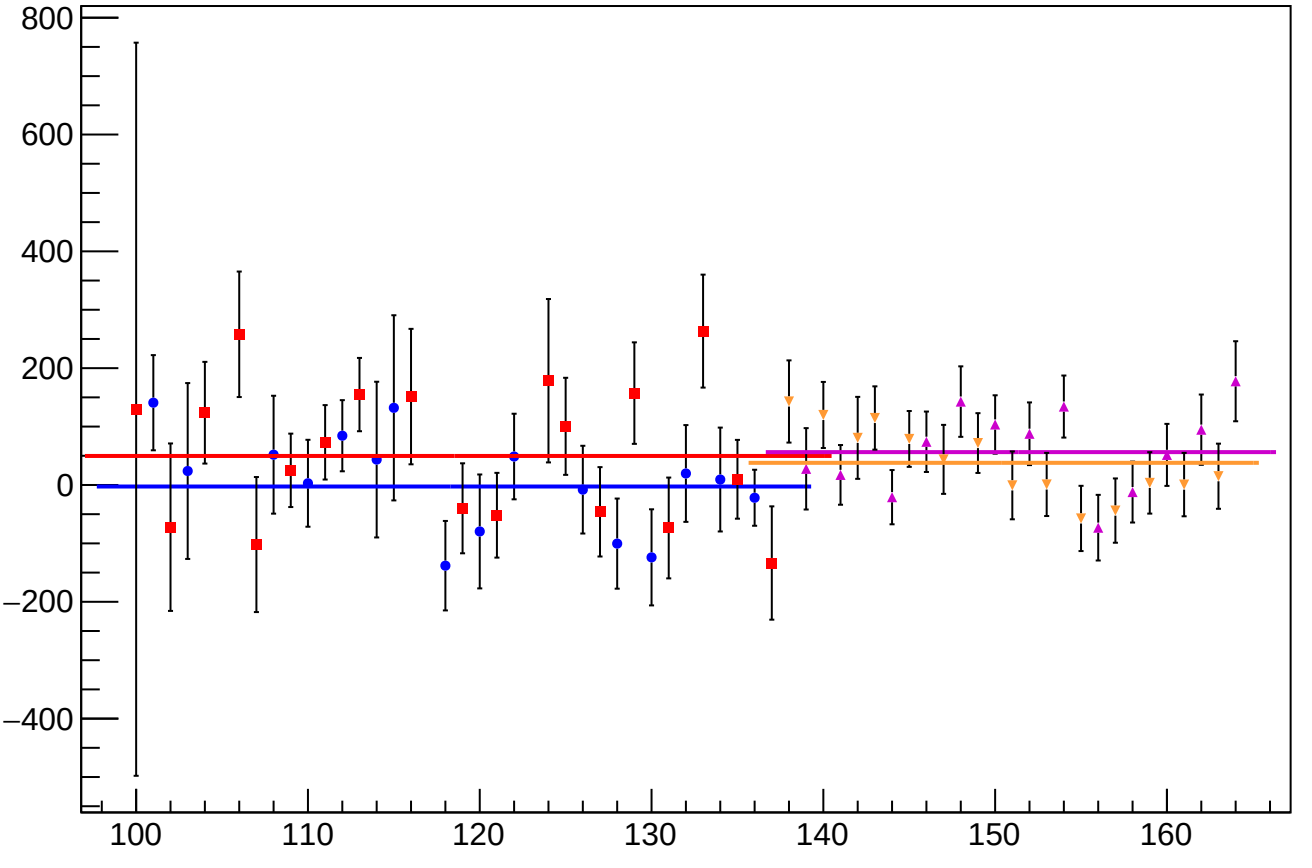
Left: 382.464+/-0.059 χ^2/NDF: 1289855.1/26

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 418.289+/-0.072 χ^2/NDF:2118464.5/28

Out: 424.586+/-0.072 χ^2/NDF:2222679.2/32

All: 421.432+/-0.051 χ^2/NDF: 4344985.5/61



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 37.943+/-14.947 χ^2/NDF:15.0/13

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 56.264+/-15.196 χ^2/NDF:19.6/12

Left: 46.952+/-10.656 χ^2/NDF: 35.4/26

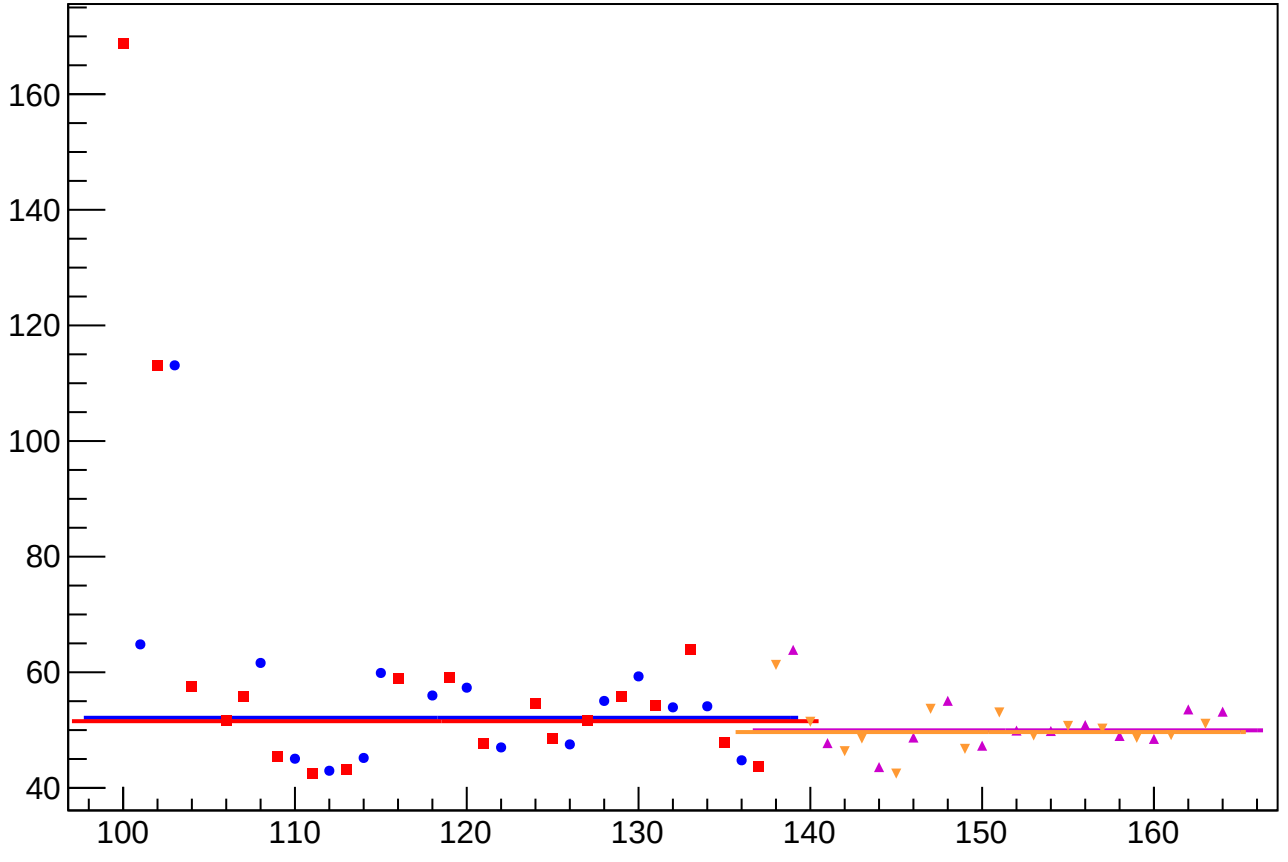
Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 34.705+/-12.098 χ^2/NDF:39.7/28

Out: 42.258+/-11.890 χ^2/NDF:44.5/32

All: 38.547+/-8.480 χ^2/NDF: 84.4/61

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.658+/-0.011 χ^2/NDF:132903.7/13

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.958+/-0.011 χ^2/NDF:156679.1/12

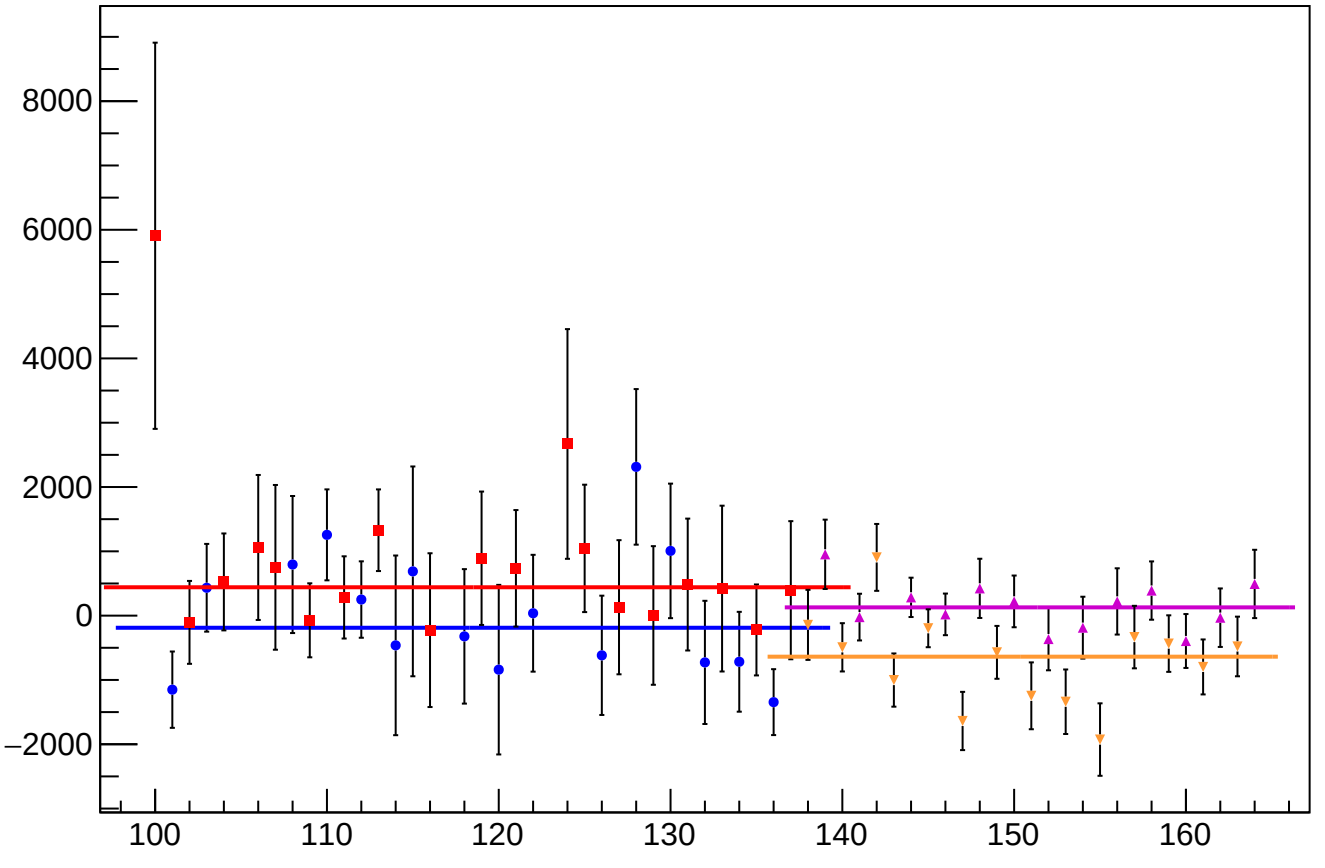
Left: 49.806+/-0.008 χ^2/NDF: 289978.3/26

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.753+/-0.009 χ^2/NDF:734535.3/28

Out: 50.349+/-0.008 χ^2/NDF:784319.8/32

All: 50.548+/-0.006 χ^2/NDF: 1519987.2/61



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -638.178+/-117.315 χ^2/NDF:27.1/13

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 128.498+/-116.707 χ^2/NDF:7.3/12

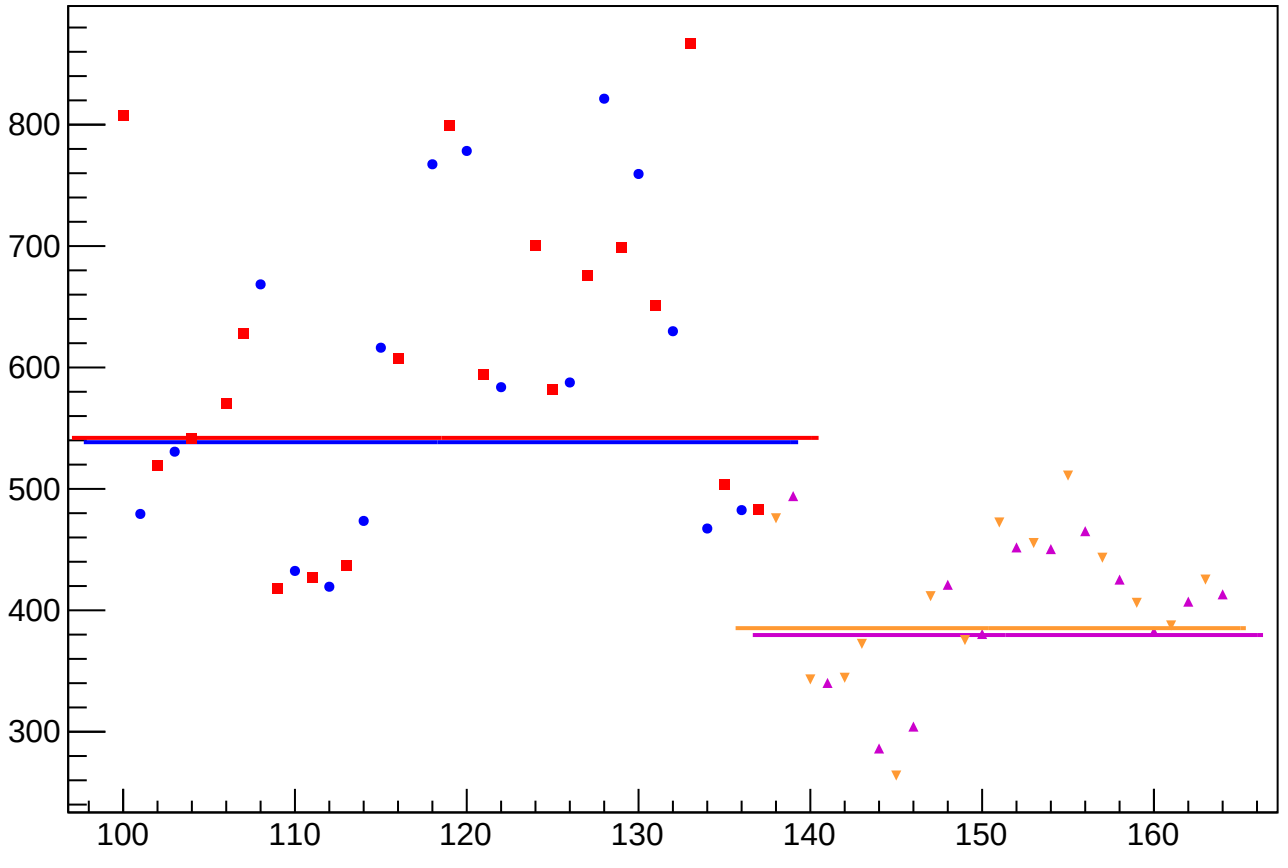
Left: -252.851+/-82.738 χ^2/NDF: 55.9/26

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 51.358+/-101.521 χ^2/NDF:30.5/28

Out: -370.157+/-101.711 χ^2/NDF:59.0/32

All: -159.005+/-71.853 χ^2/NDF: 98.1/61



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 385.314+/-0.083 χ^2/NDF:684275.2/13

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 379.644+/-0.083 χ^2/NDF:603233.2/12

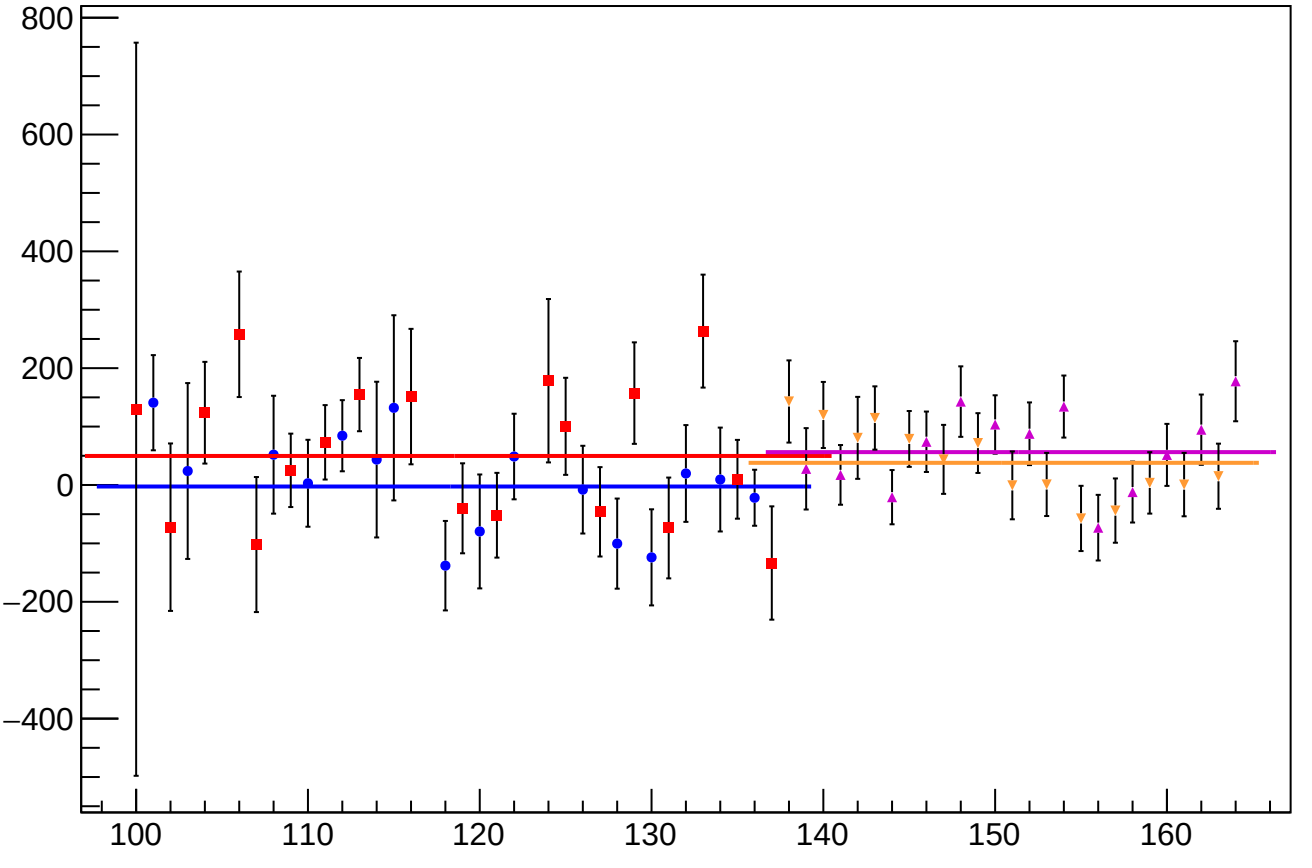
Left: 382.464+/-0.059 χ^2/NDF: 1289856.7/26

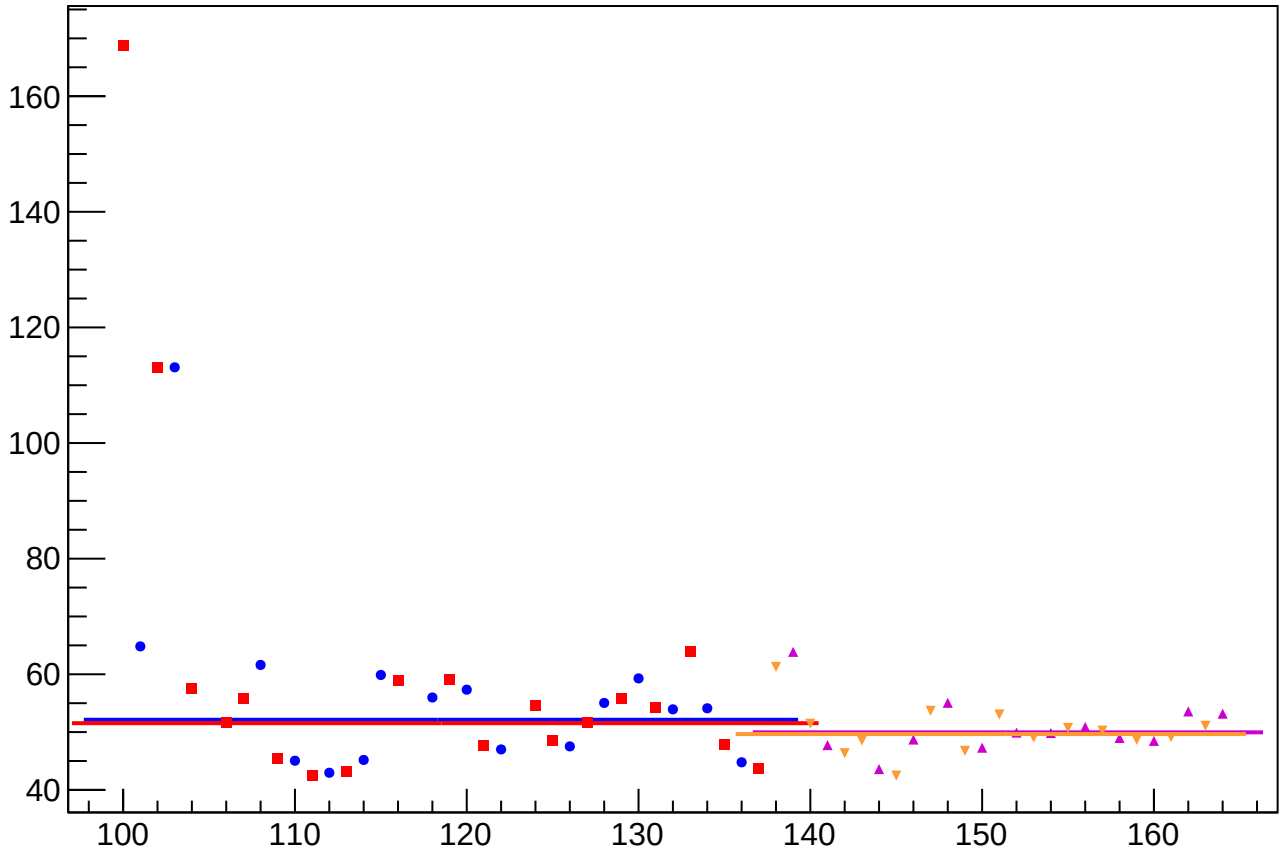
Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 418.289+/-0.072 χ^2/NDF:2118506.5/28

Out: 424.228+/-0.072 χ^2/NDF:2202036.9/32

All: 421.253+/-0.051 χ^2/NDF: 4323959.3/61


eigen_cor_asym_sam_1357_avg_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
Right In: -2.618+/-19.995 χ²/NDF: 14.6/15
Left Out: 37.943+/-14.947 χ²/NDF:15.0/13
Right Out: 49.694+/-19.622 χ²/NDF: 29.3/18
Left In: 56.264+/-15.196 χ²/NDF:19.6/12
Left: 46.952+/-10.656 χ²/NDF: 35.4/26
Right: 24.030+/-14.005 χ²/NDF: 47.4/34
In: 34.705+/-12.098 χ²/NDF:39.7/28
Out: 42.258+/-11.890 χ²/NDF:44.5/32
All: 38.547+/-8.480 χ²/NDF: 84.4/61



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.658+/-0.011 χ^2/NDF:132903.7/13

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.958+/-0.011 χ^2/NDF:156679.1/12

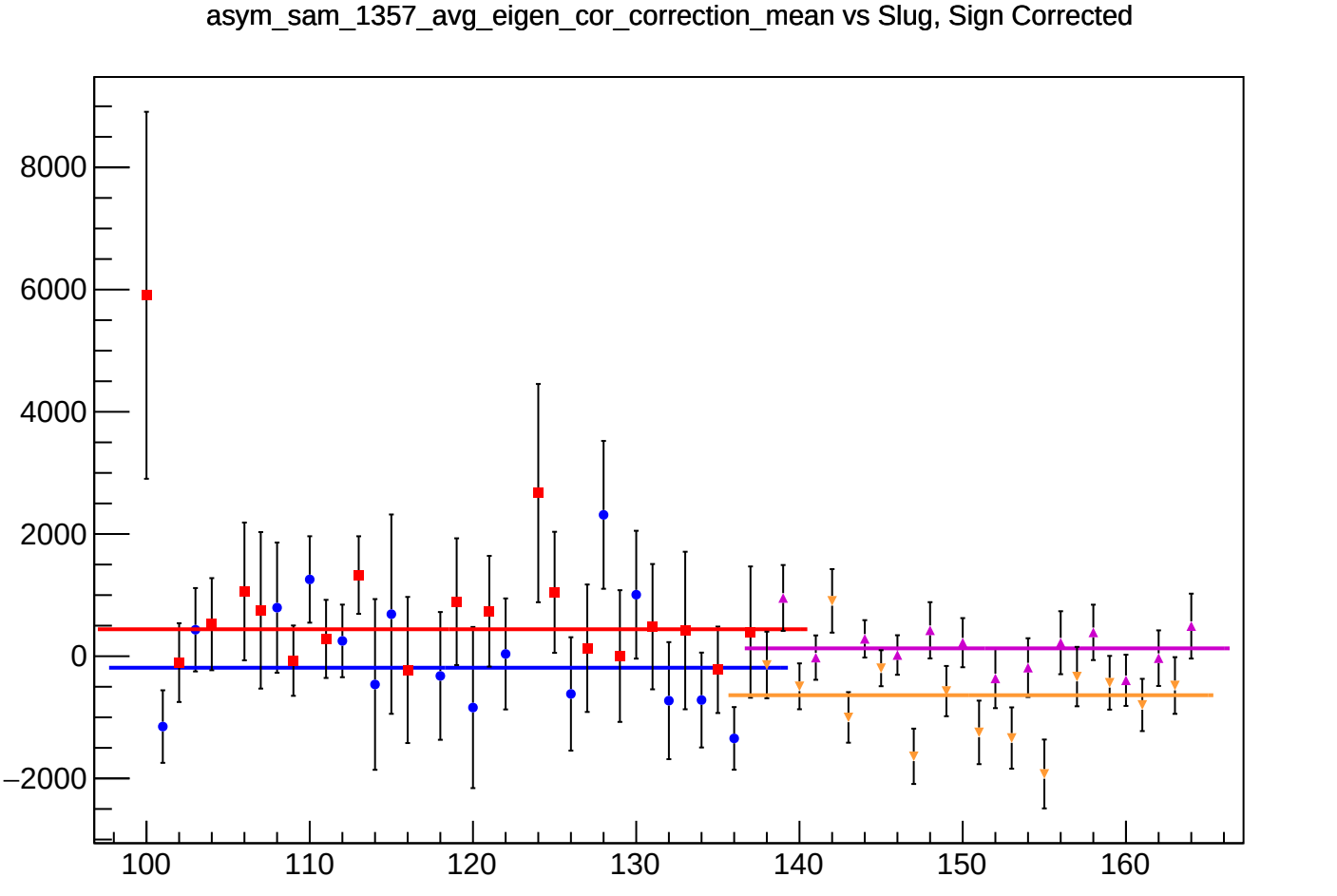
Left: 49.806+/-0.008 χ^2/NDF: 289978.3/26

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.753+/-0.009 χ^2/NDF:734535.3/28

Out: 50.349+/-0.008 χ^2/NDF:784319.8/32

All: 50.548+/-0.006 χ^2/NDF: 1519987.2/61



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -638.178+/-117.315 χ^2/NDF:27.1/13

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 128.498+/-116.707 χ^2/NDF:7.3/12

Left: -252.851+/-82.738 χ^2/NDF: 55.9/26

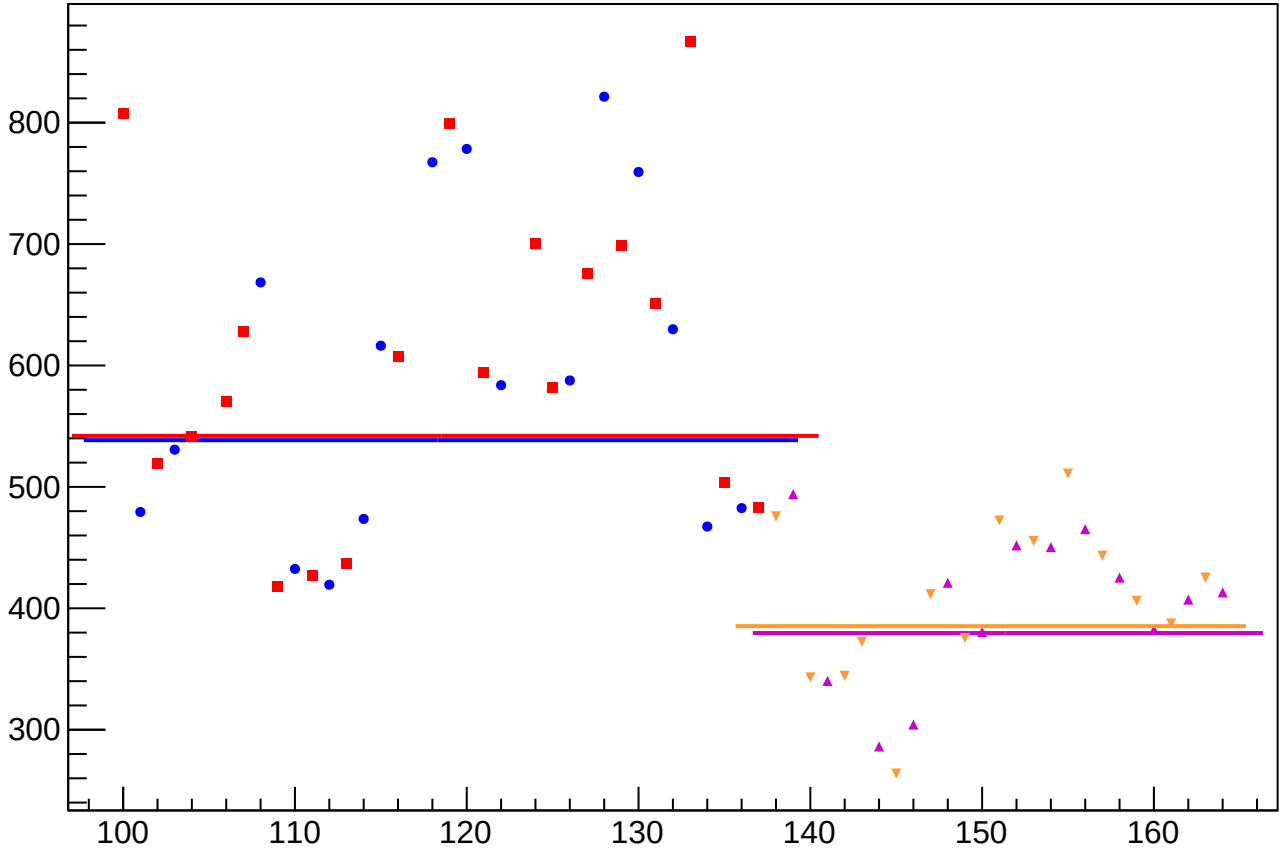
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 51.358+/-101.521 χ^2/NDF:30.5/28

Out: -370.157+/-101.711 χ^2/NDF:59.0/32

All: -159.005+/-71.853 χ^2/NDF: 98.1/61

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 385.314+/-0.083 χ^2/NDF:684275.2/13

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 379.644+/-0.083 χ^2/NDF:603233.2/12

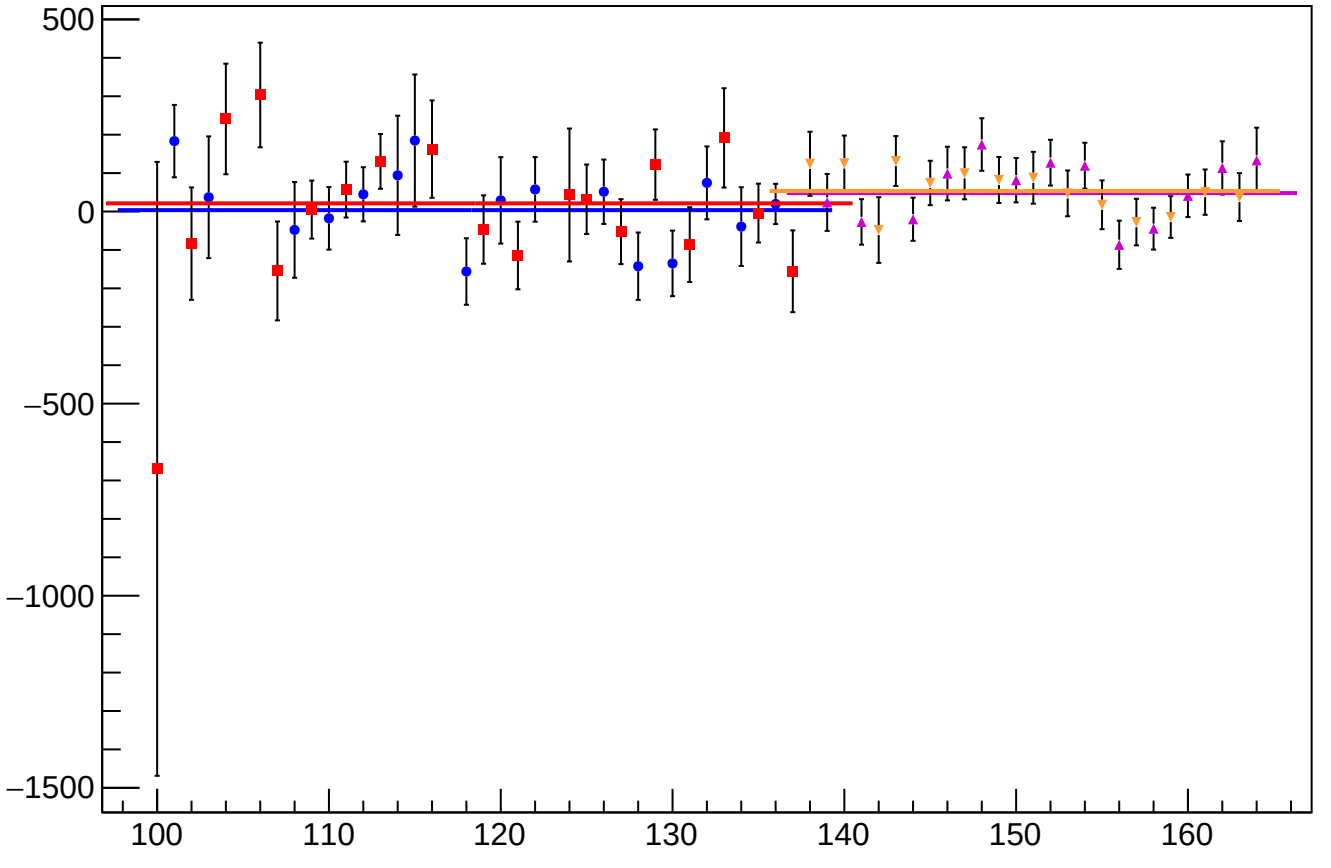
Left: 382.464+/-0.059 χ^2/NDF: 1289856.7/26

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 418.289+/-0.072 χ^2/NDF:2118506.5/28

Out: 424.228+/-0.072 χ^2/NDF:2202036.9/32

All: 421.253+/-0.051 χ^2/NDF: 4323959.3/61



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 53.296+/-17.120 χ^2/NDF:9.4/13

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 48.003+/-17.331 χ^2/NDF:20.1/12

Left: 50.682+/-12.180 χ^2/NDF: 29.5/26

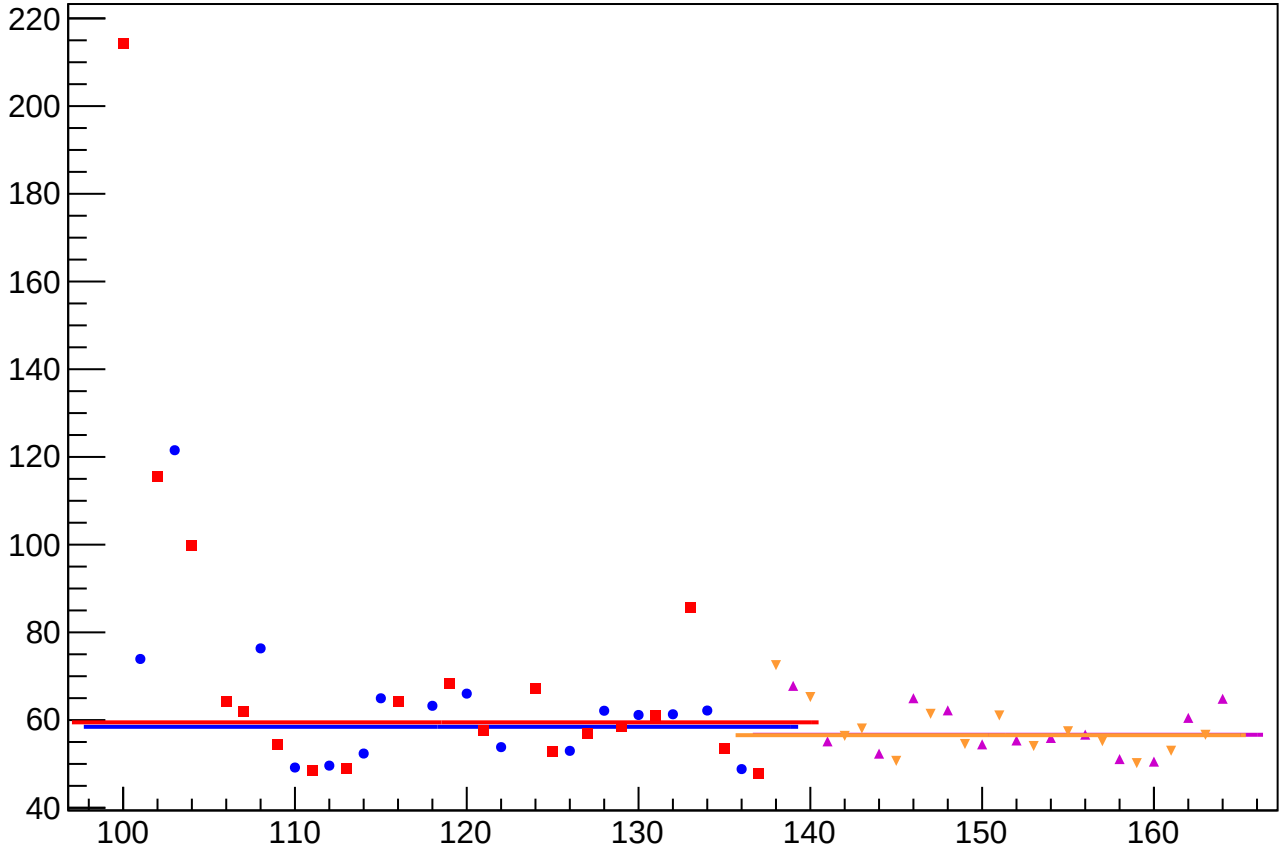
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 31.450+/-13.725 χ^2/NDF:38.7/28

Out: 41.723+/-13.683 χ^2/NDF:35.1/32

All: 36.602+/-9.690 χ^2/NDF: 74.0/61

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.555+/-0.012 χ^2/NDF:184929.4/13

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.650+/-0.012 χ^2/NDF:174177.0/12

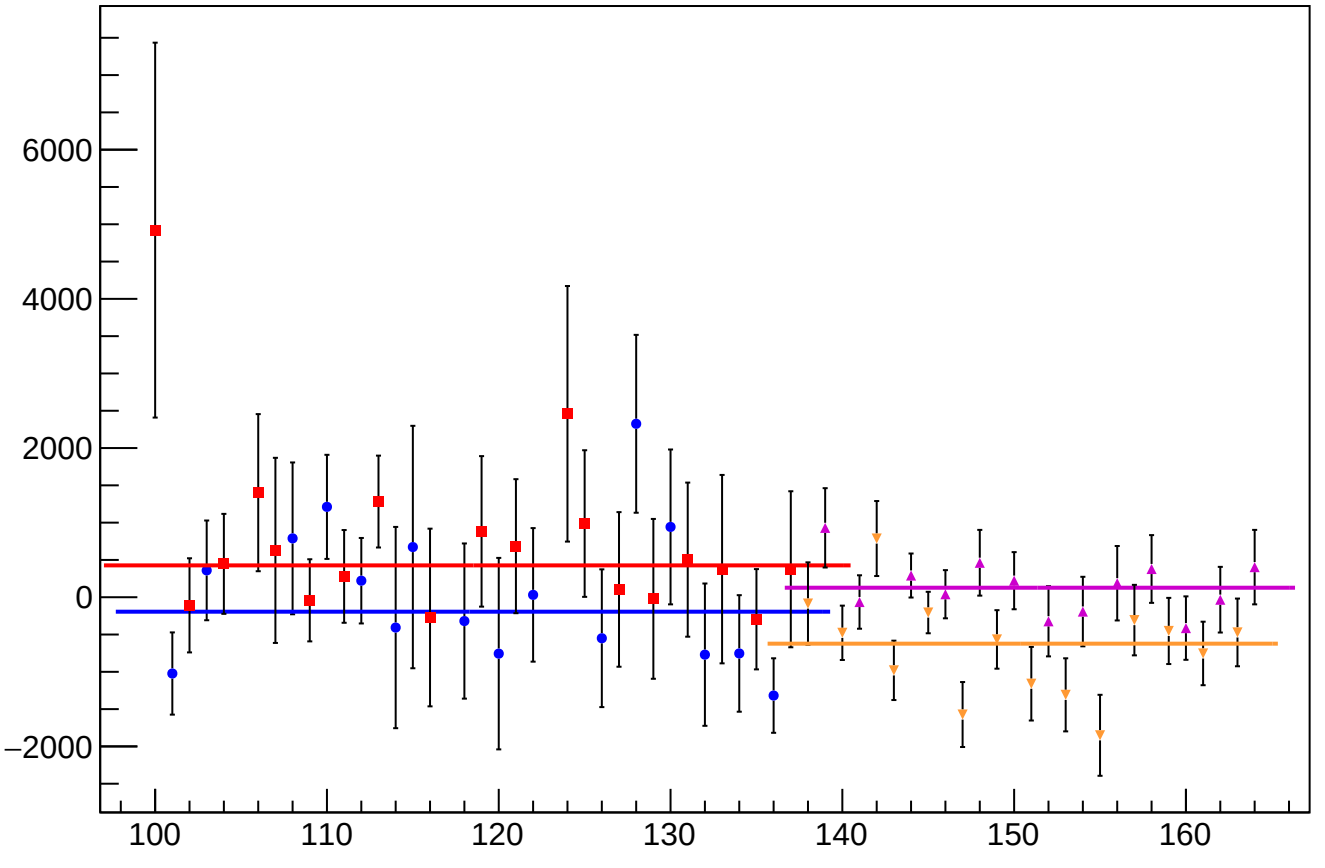
Left: 56.602+/-0.009 χ^2/NDF: 359136.7/26

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 57.327+/-0.010 χ^2/NDF:765341.8/28

Out: 57.613+/-0.010 χ^2/NDF:990949.2/32

All: 57.470+/-0.007 χ^2/NDF: 1756727.5/61



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -622.569+/-113.673 χ^2/NDF:25.9/13

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 127.477+/-113.917 χ^2/NDF:7.3/12

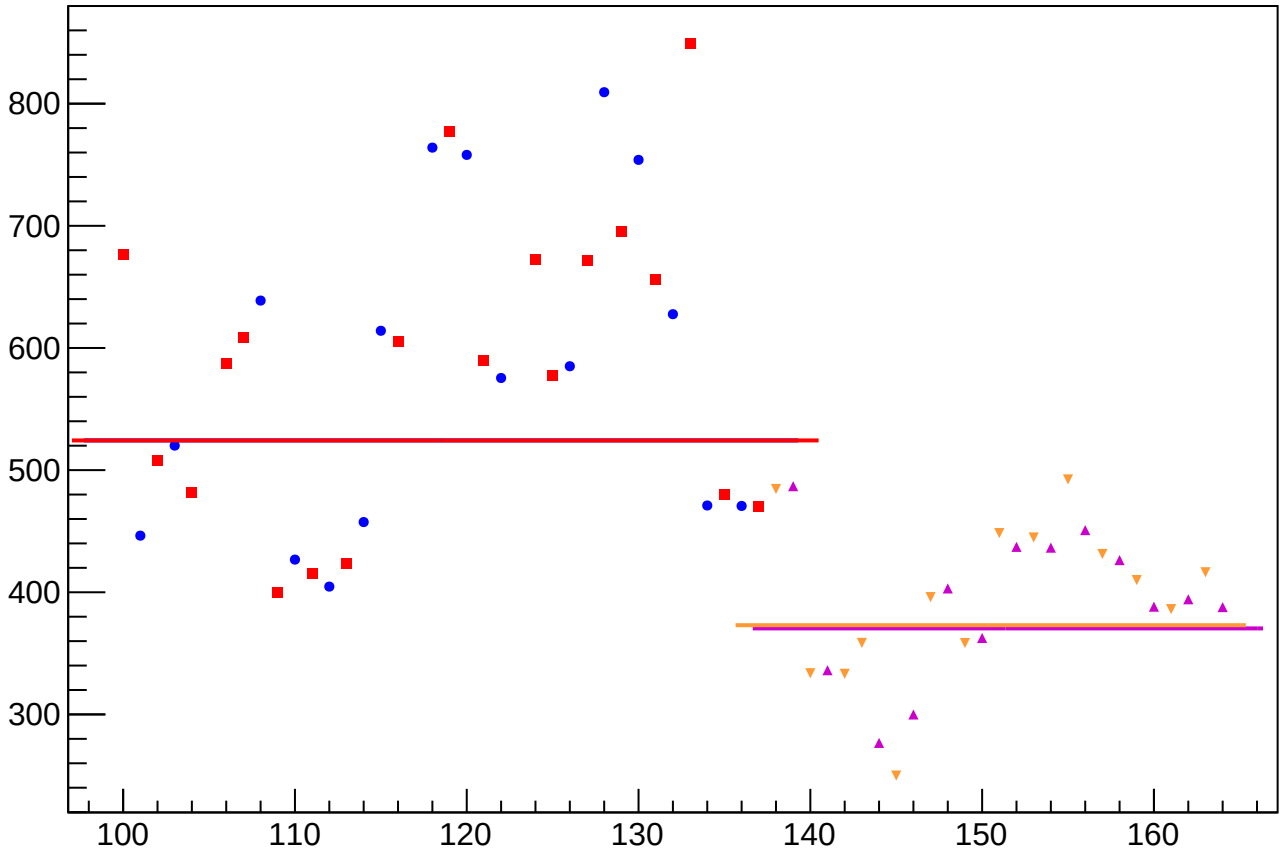
Left: -248.348+/-80.465 χ^2/NDF: 54.9/26

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 49.111+/-99.059 χ^2/NDF:30.1/28

Out: -360.416+/-98.459 χ^2/NDF:58.5/32

All: -156.897+/-69.832 χ^2/NDF: 97.2/61



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 373.042+/-0.080 χ^2/NDF:771220.2/13

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 370.416+/-0.081 χ^2/NDF:597721.8/12

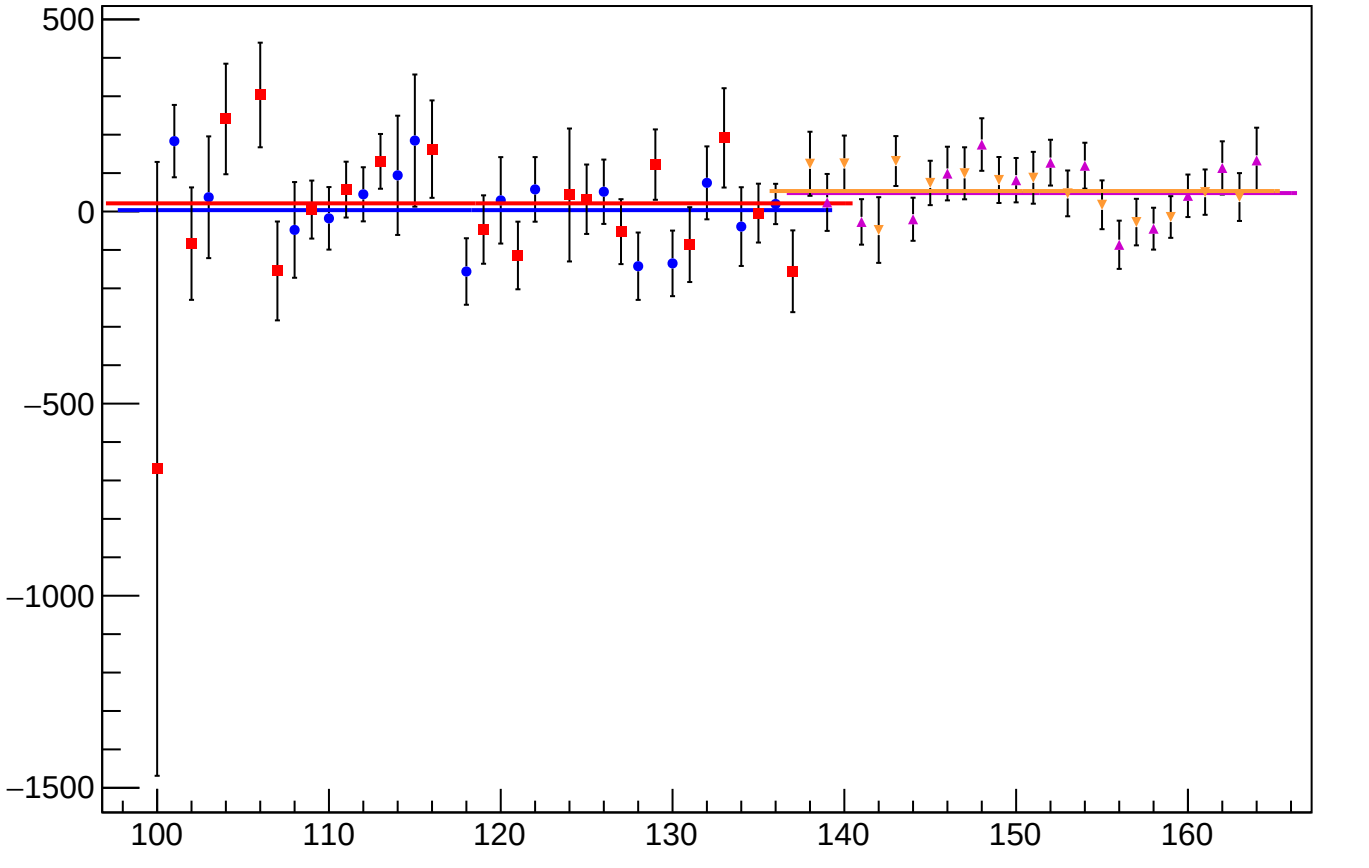
Left: 371.732+/-0.057 χ^2/NDF: 1369474.3/26

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 407.946+/-0.070 χ^2/NDF:2146433.1/28

Out: 410.824+/-0.070 χ^2/NDF:2341867.8/32

All: 409.394+/-0.049 χ^2/NDF: 4489150.3/61



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 53.297+/-17.120 χ^2/NDF:9.4/13

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 48.003+/-17.331 χ^2/NDF:20.1/12

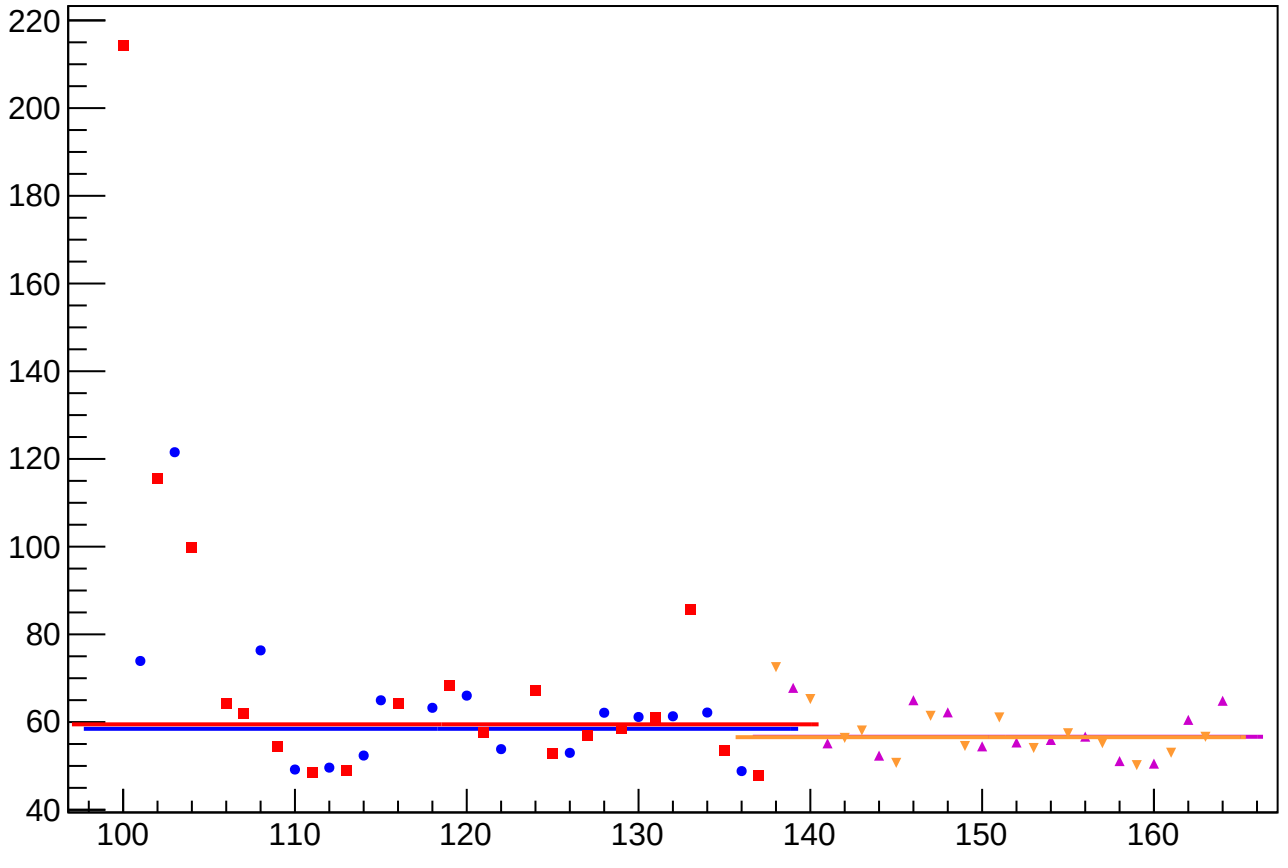
Left: 50.682+/-12.180 χ^2/NDF: 29.5/26

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 31.449+/-13.725 χ^2/NDF:38.7/28

Out: 41.723+/-13.684 χ^2/NDF:35.1/32

All: 36.602+/-9.690 χ^2/NDF: 74.0/61



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.556+/-0.012 χ^2/NDF:184934.6/13

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.650+/-0.012 χ^2/NDF:174179.5/12

Left: 56.602+/-0.009 χ^2/NDF: 359144.3/26

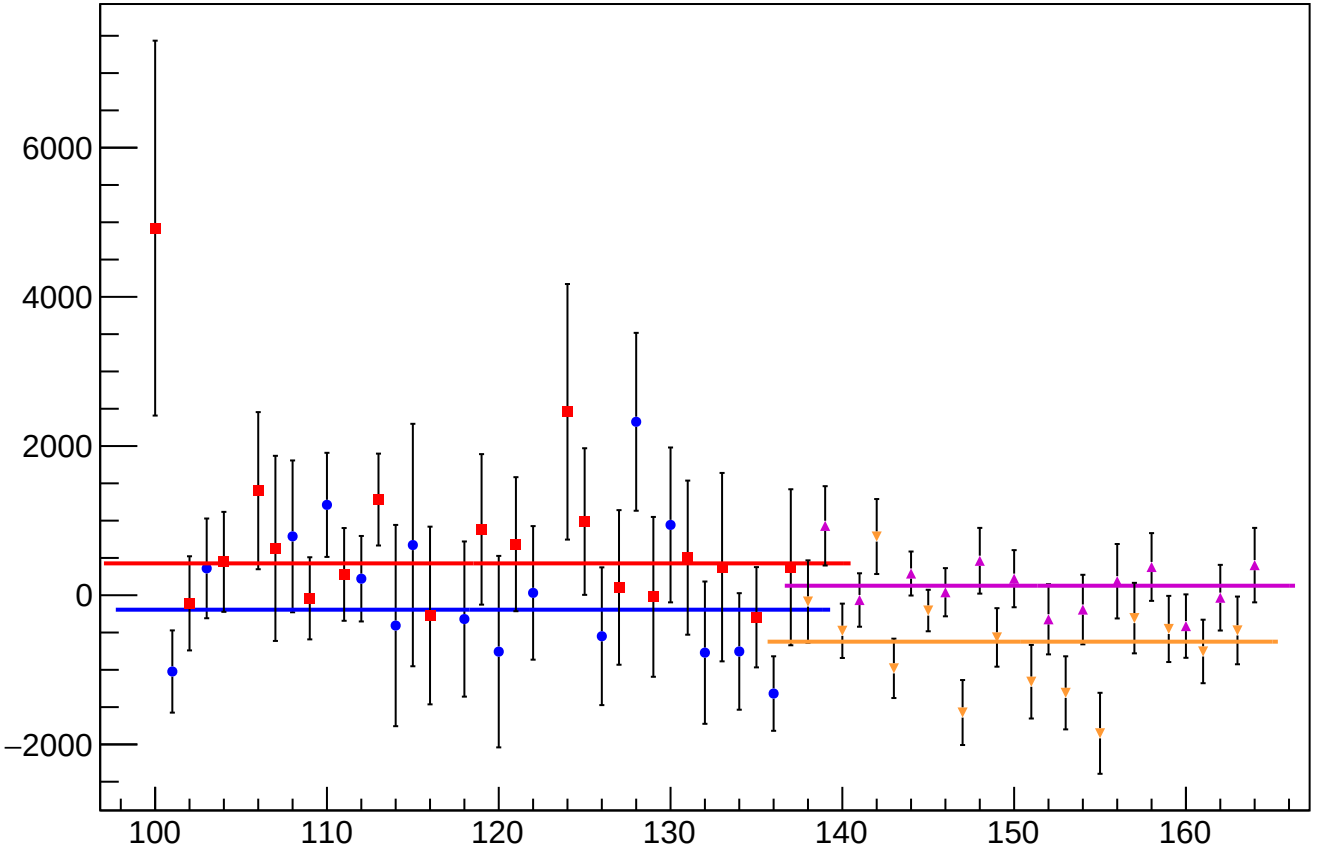
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 57.327+/-0.010 χ^2/NDF:765340.1/28

Out: 57.613+/-0.010 χ^2/NDF:990953.5/32

All: 57.471+/-0.007 χ^2/NDF: 1756730.2/61

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: -622.569+/-113.673 χ^2/NDF:25.9/13

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 127.476+/-113.917 χ^2/NDF:7.3/12

Left: -248.348+/-80.465 χ^2/NDF: 54.9/26

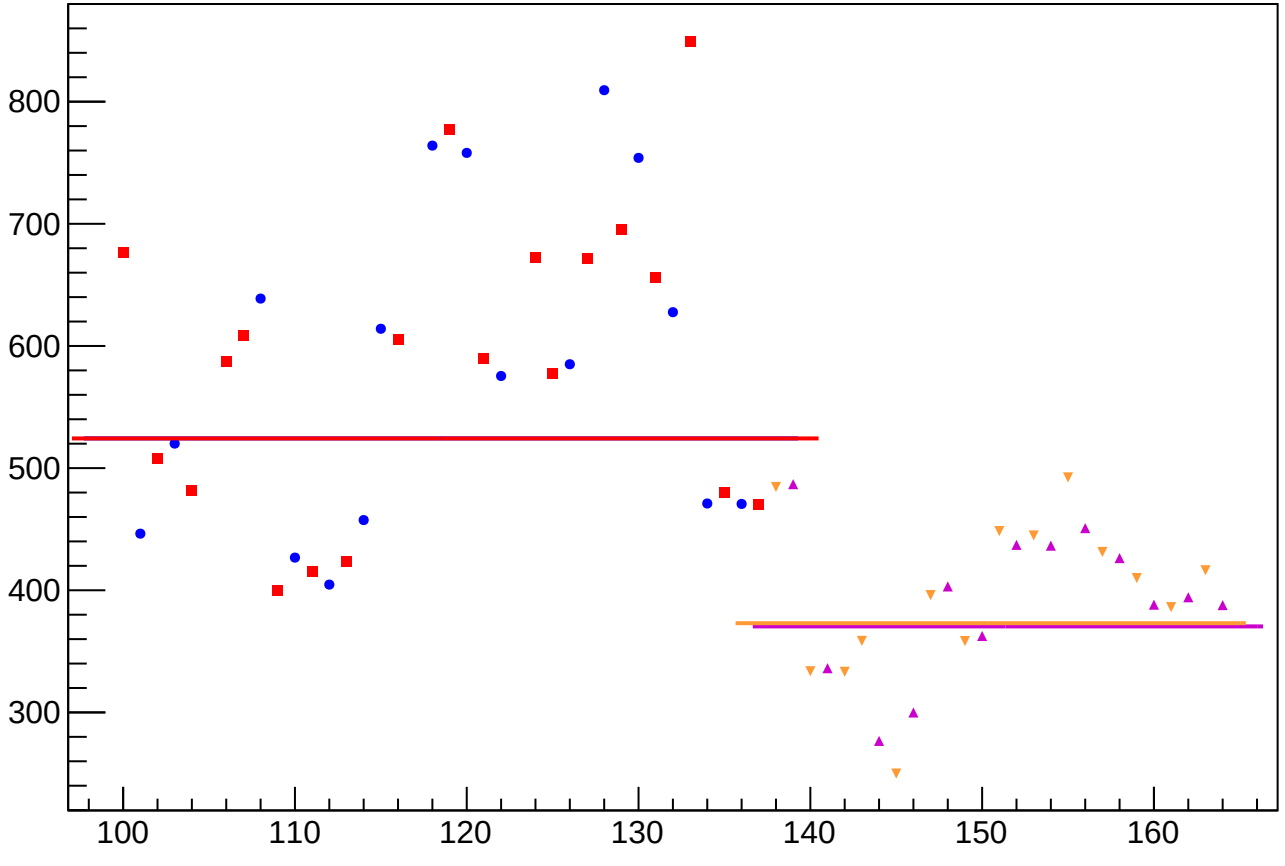
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 49.111+/-99.059 χ^2/NDF:30.1/28

Out: -360.416+/-98.459 χ^2/NDF:58.5/32

All: -156.897+/-69.832 χ^2/NDF: 97.2/61

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 373.041+/-0.080 χ^2/NDF:771216.6/13

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 370.416+/-0.081 χ^2/NDF:597718.1/12

Left: 371.732+/-0.057 χ^2/NDF: 1369467.1/26

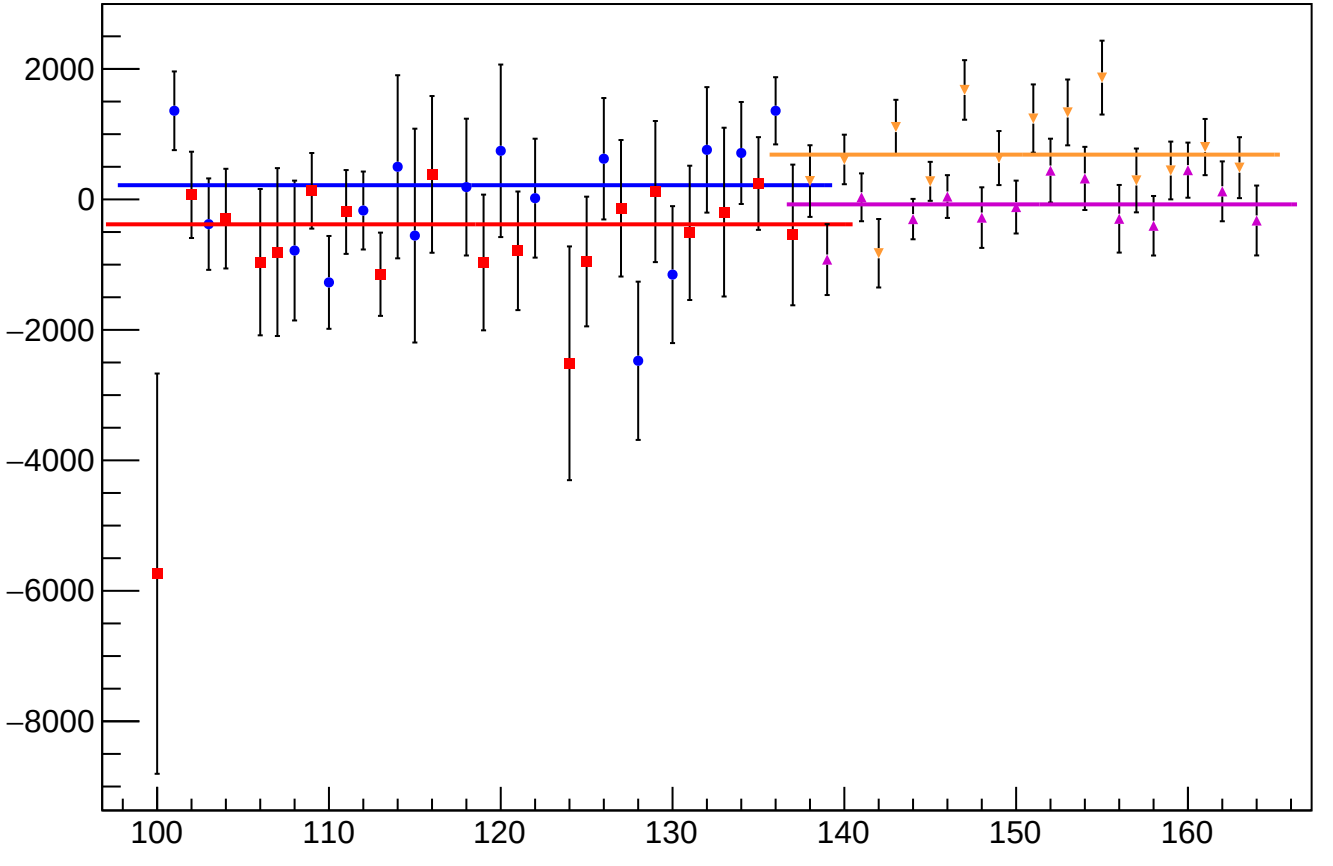
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 407.946+/-0.070 χ^2/NDF:2146428.8/28

Out: 410.824+/-0.070 χ^2/NDF:2341861.1/32

All: 409.393+/-0.049 χ^2/NDF: 4489139.3/61

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 686.469+/-118.354 χ^2/NDF:24.8/13

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -76.095+/-117.782 χ^2/NDF:7.8/12

Left: 303.339+/-83.486 χ^2/NDF: 53.5/26

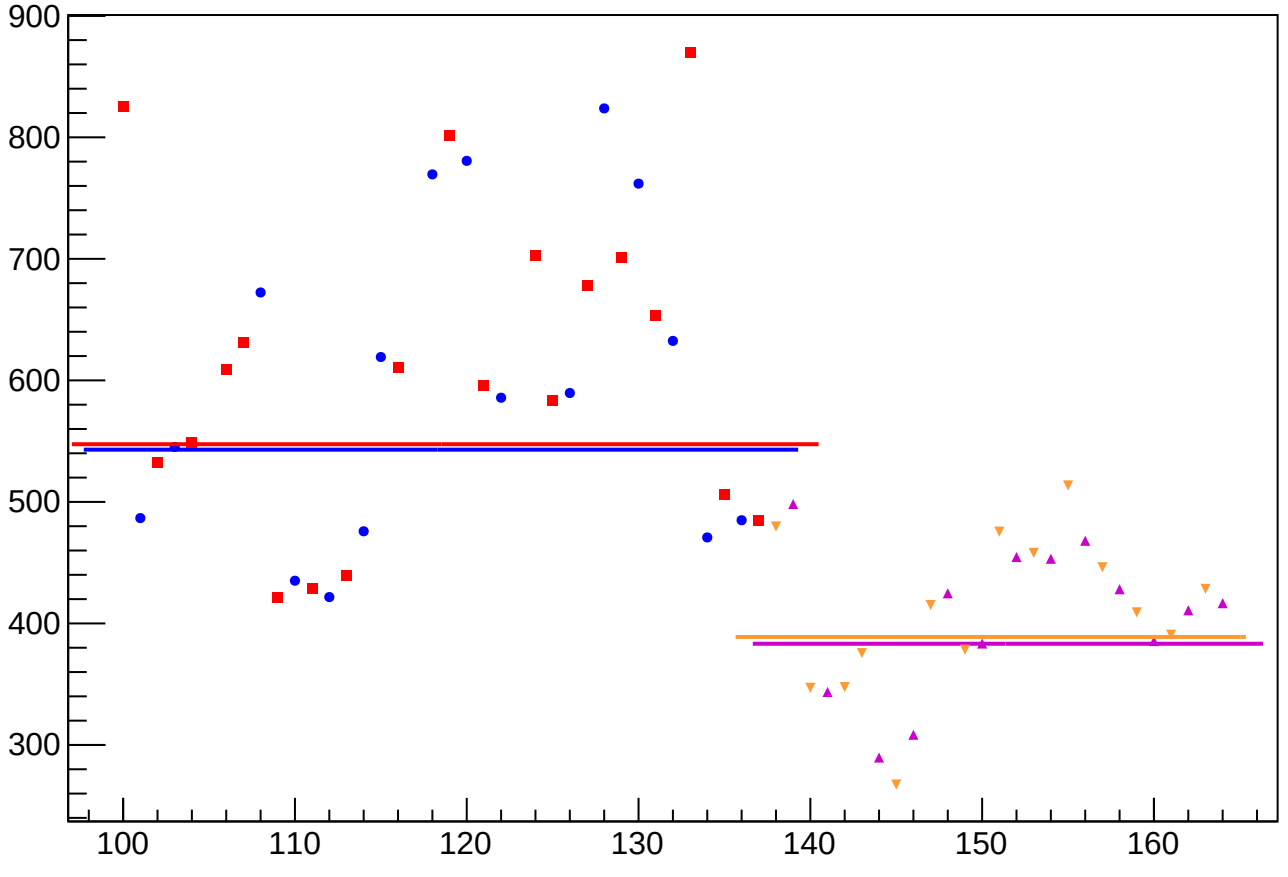
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -4.484+/-102.430 χ^2/NDF:32.2/28

Out: 420.542+/-102.571 χ^2/NDF:55.1/32

All: 207.736+/-72.479 χ^2/NDF: 95.9/61

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 388.883+/-0.084 χ^2/NDF:667160.8/13

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 383.290+/-0.083 χ^2/NDF:588222.7/12

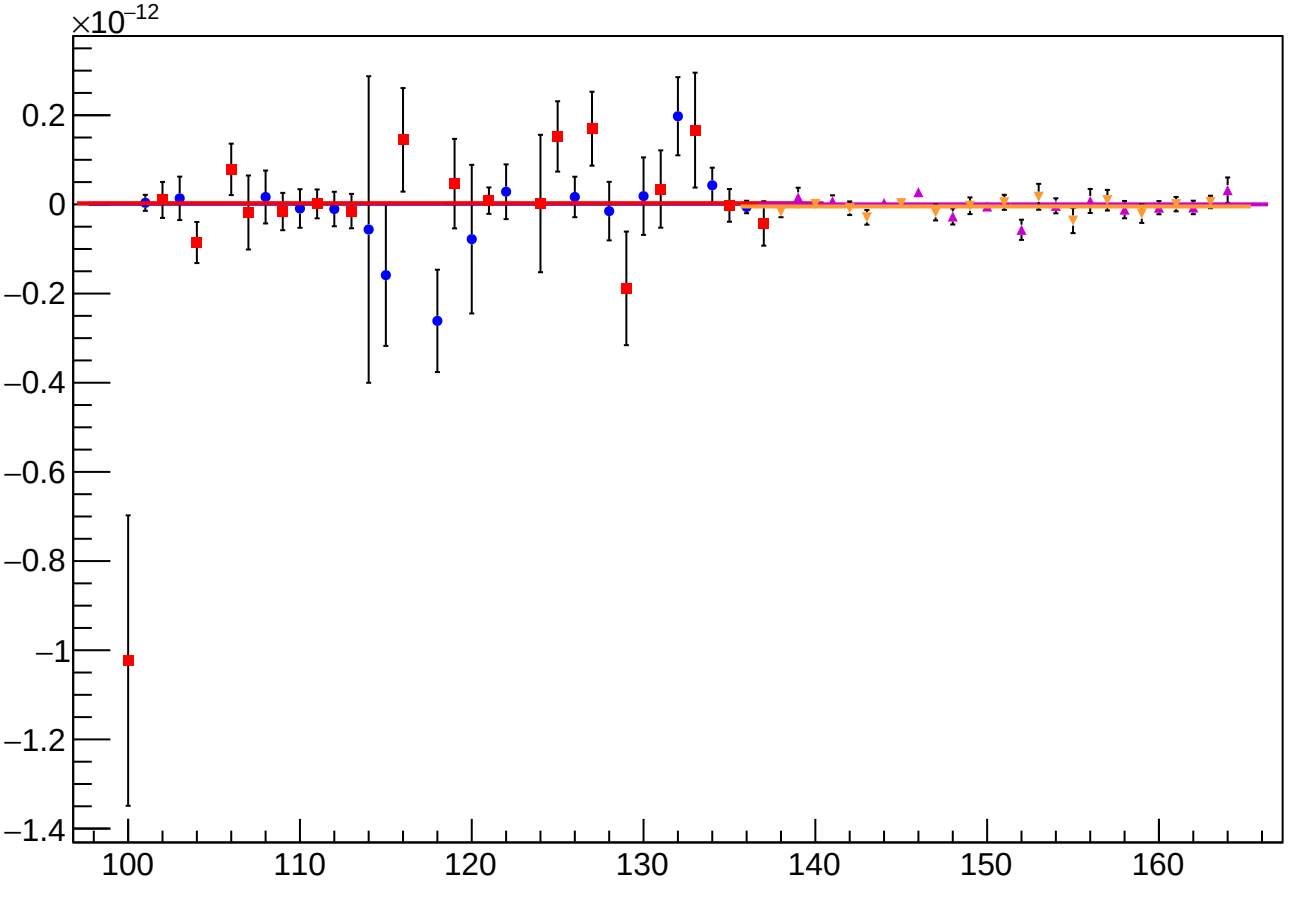
Left: 386.073+/-0.059 χ^2/NDF: 1257627.6/26

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 422.210+/-0.072 χ^2/NDF:2089611.3/28

Out: 428.358+/-0.073 χ^2/NDF:2191236.3/32

All: 425.280+/-0.051 χ^2/NDF: 4284444.9/61



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/12

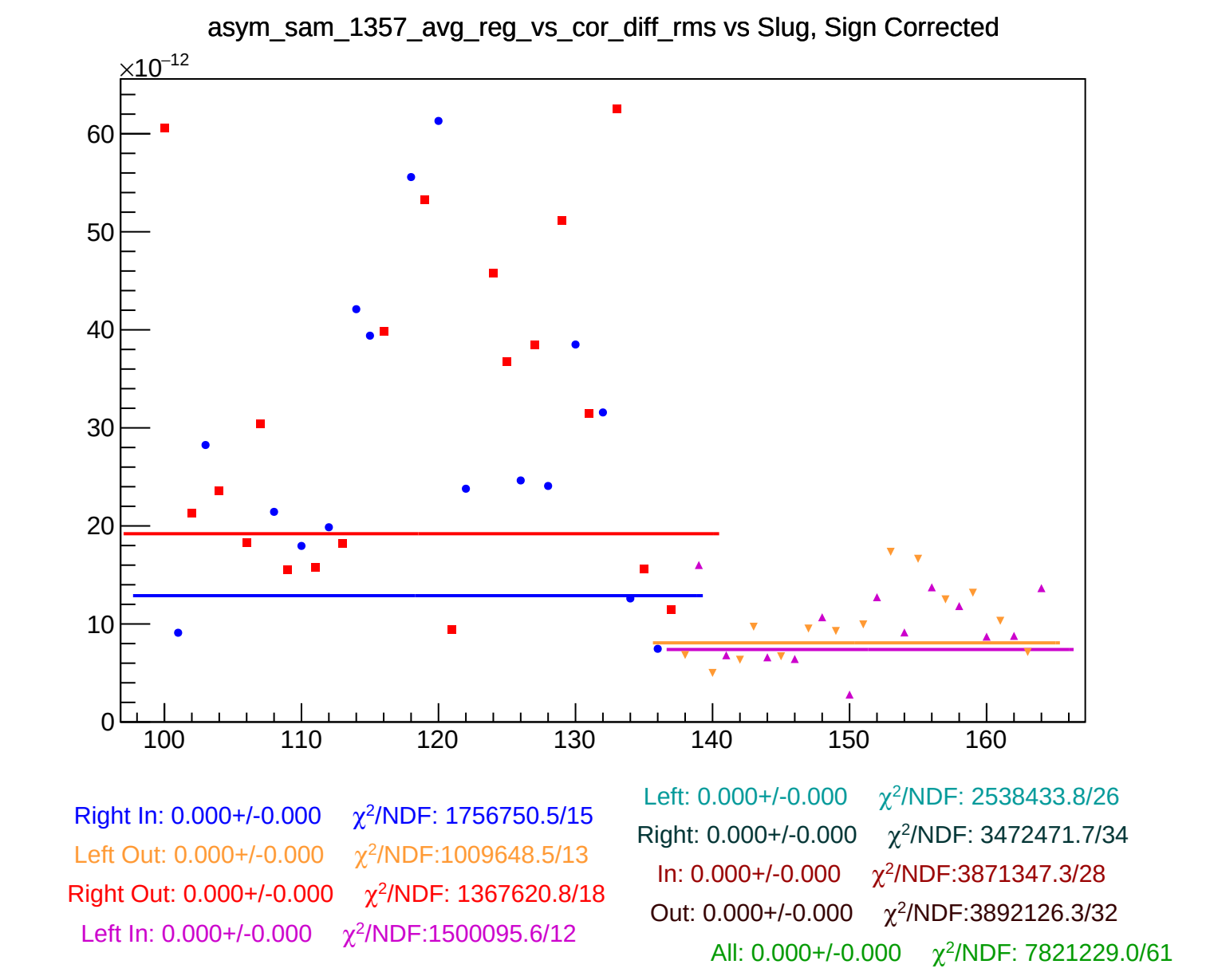
Left: -0.000+/-0.000 χ^2/NDF: 27.0/26

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

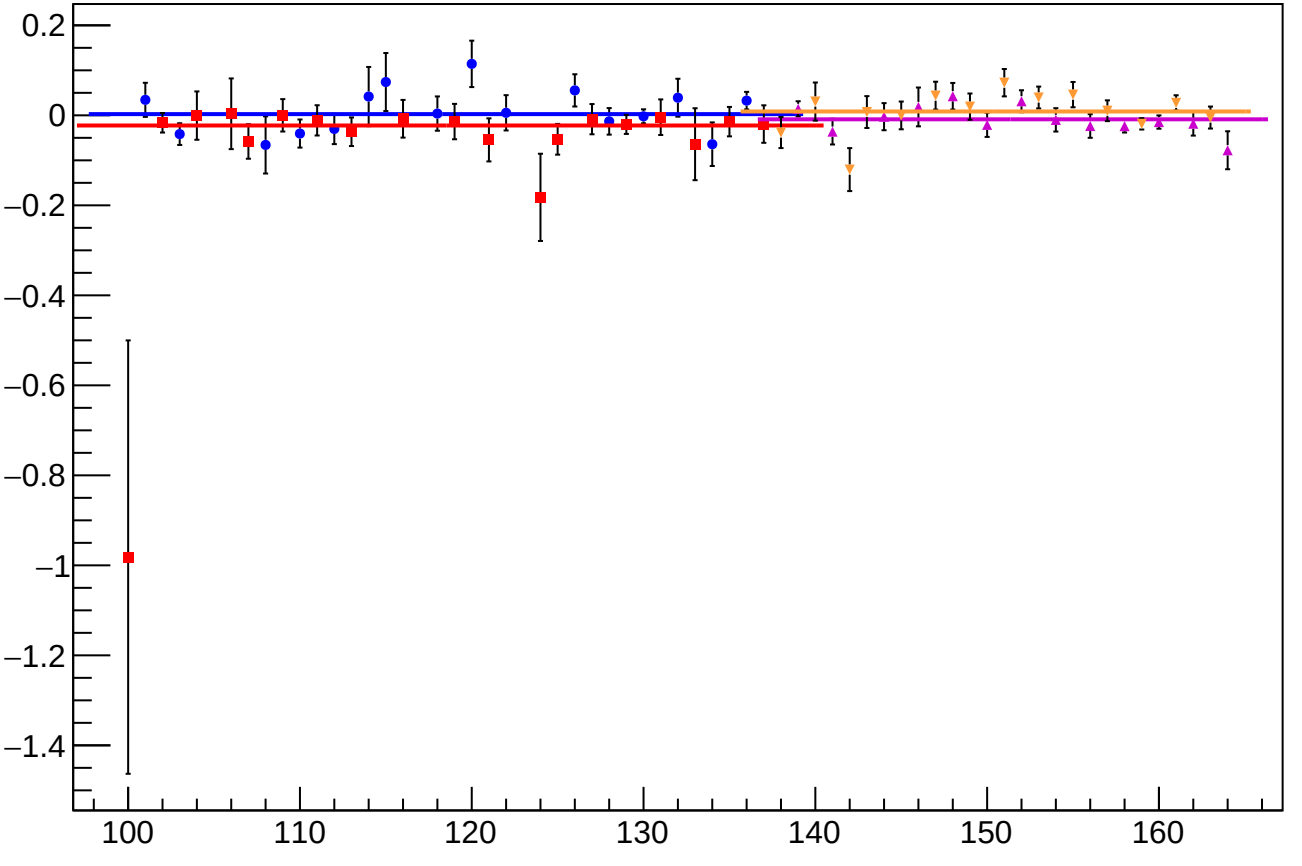
In: 0.000+/-0.000 χ^2/NDF:31.6/28

Out: -0.000+/-0.000 χ^2/NDF:38.7/32

All: -0.000+/-0.000 χ^2/NDF: 70.9/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1009648.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1500095.6/12
Left: 0.000+/-0.000 χ²/NDF: 2538433.8/26
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:3871347.3/28
Out: 0.000+/-0.000 χ²/NDF:3892126.3/32
All: 0.000+/-0.000 χ²/NDF: 7821229.0/61

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: 0.009+/-0.007 χ^2/NDF:25.1/13

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.6/12

Left: -0.000+/-0.005 χ^2/NDF: 42.3/26

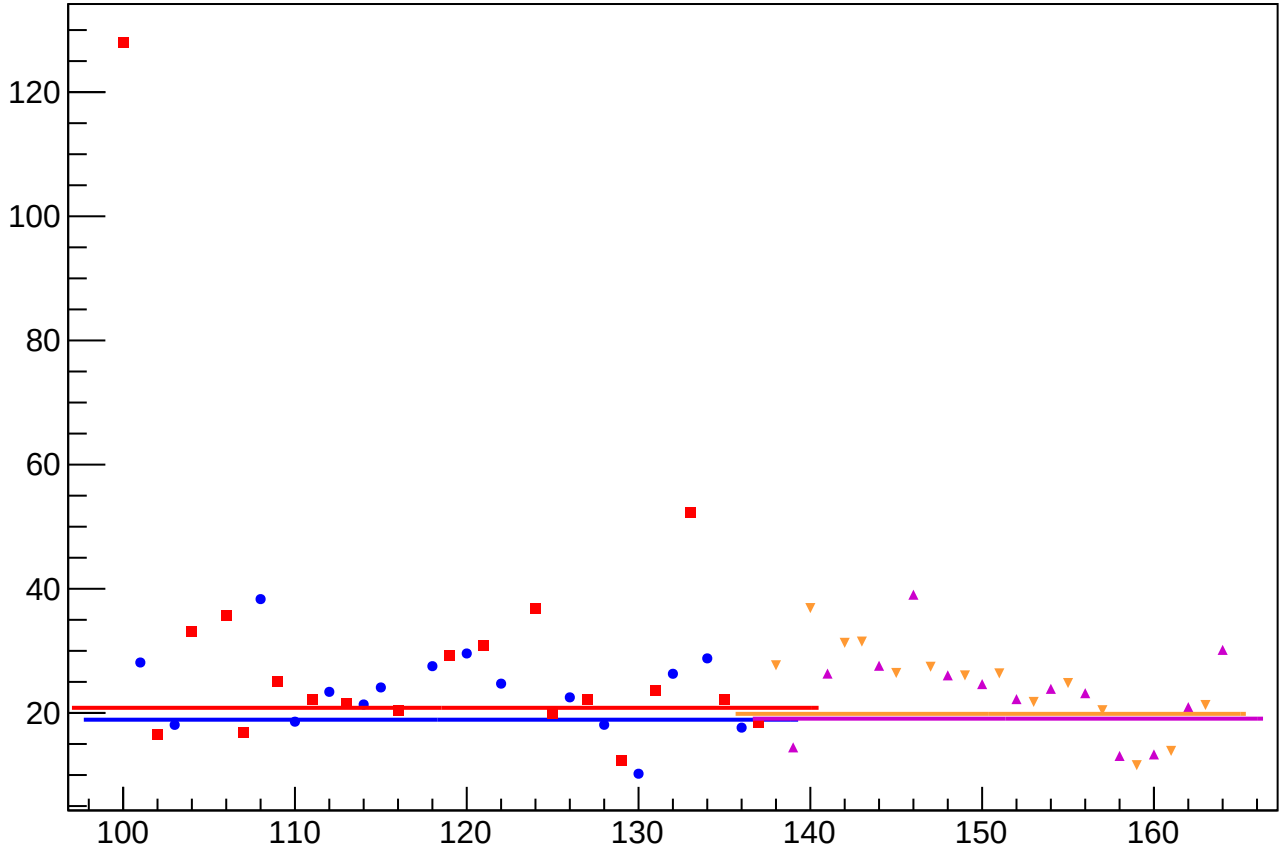
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/28

Out: -0.003+/-0.005 χ^2/NDF:44.3/32

All: -0.004+/-0.004 χ^2/NDF: 81.2/61

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: 19.855+/-0.005 χ^2/NDF:2337451.6/13

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.079+/-0.004 χ^2/NDF:2021729.8/12

Left: 19.453+/-0.003 χ^2/NDF: 4373649.8/26

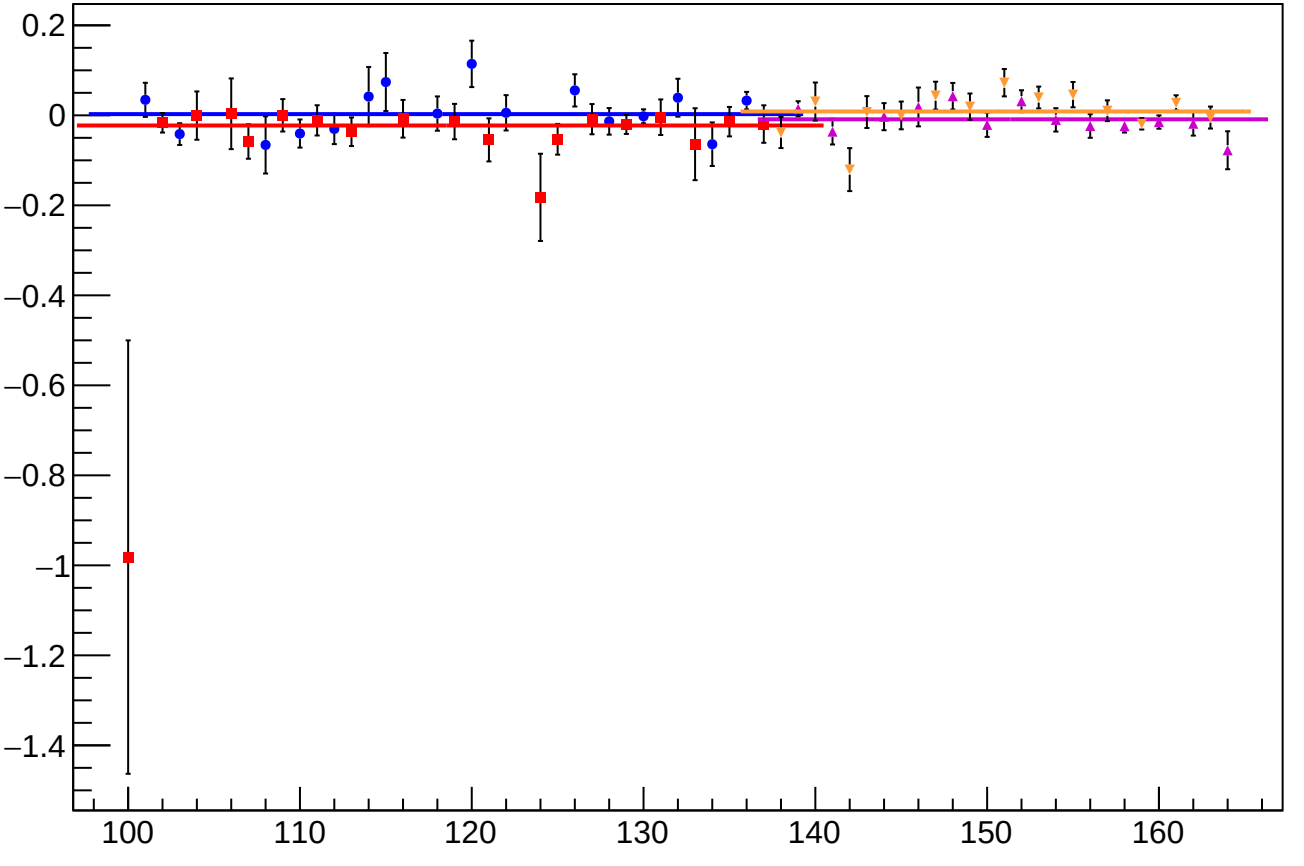
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.013+/-0.003 χ^2/NDF:3412640.1/28

Out: 20.220+/-0.004 χ^2/NDF:3645499.8/32

All: 19.584+/-0.003 χ^2/NDF: 7115302.4/61

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: 0.009+/-0.007 χ^2/NDF:25.1/13

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.6/12

Left: -0.000+/-0.005 χ^2/NDF: 42.3/26

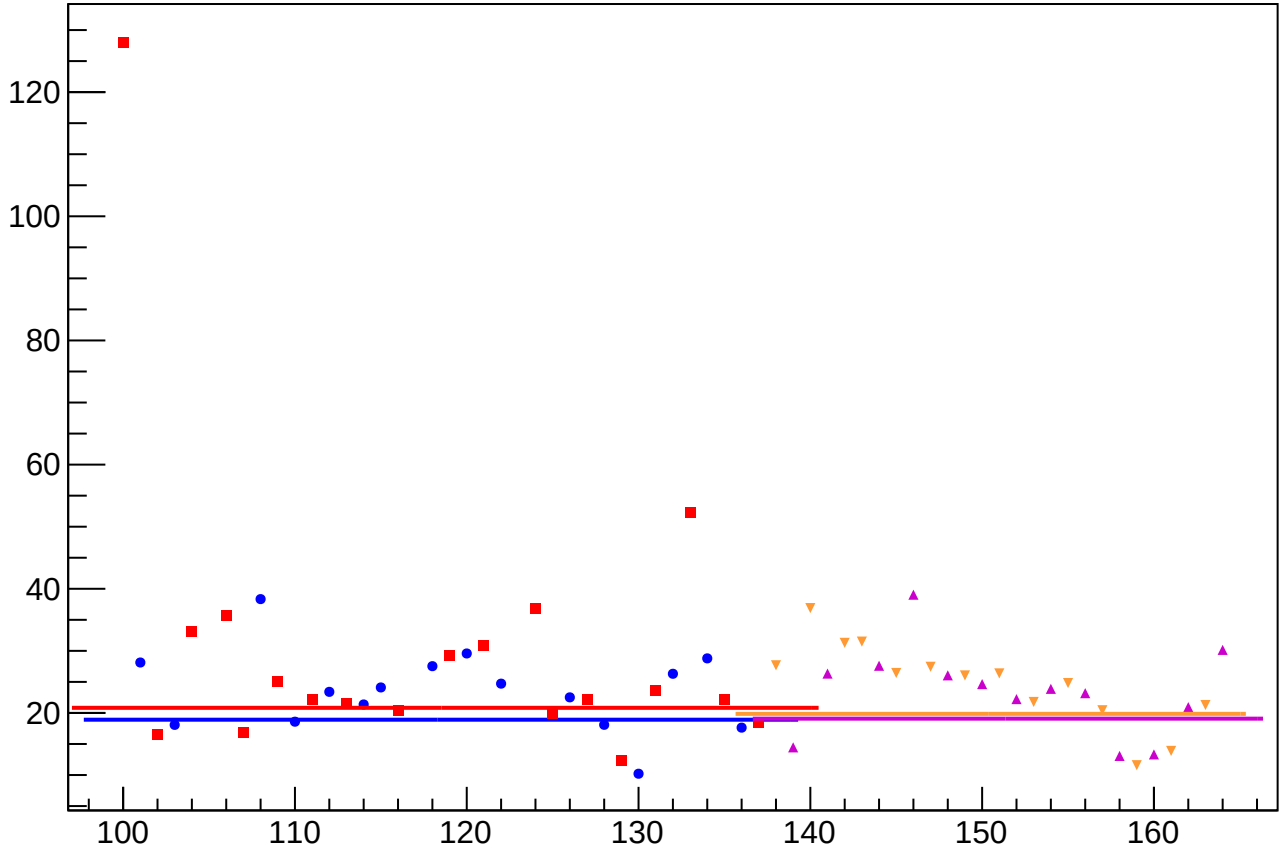
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/28

Out: -0.003+/-0.005 χ^2/NDF:44.3/32

All: -0.004+/-0.004 χ^2/NDF: 81.2/61

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: 19.855+/-0.005 χ^2/NDF:2337451.6/13

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.079+/-0.004 χ^2/NDF:2021729.8/12

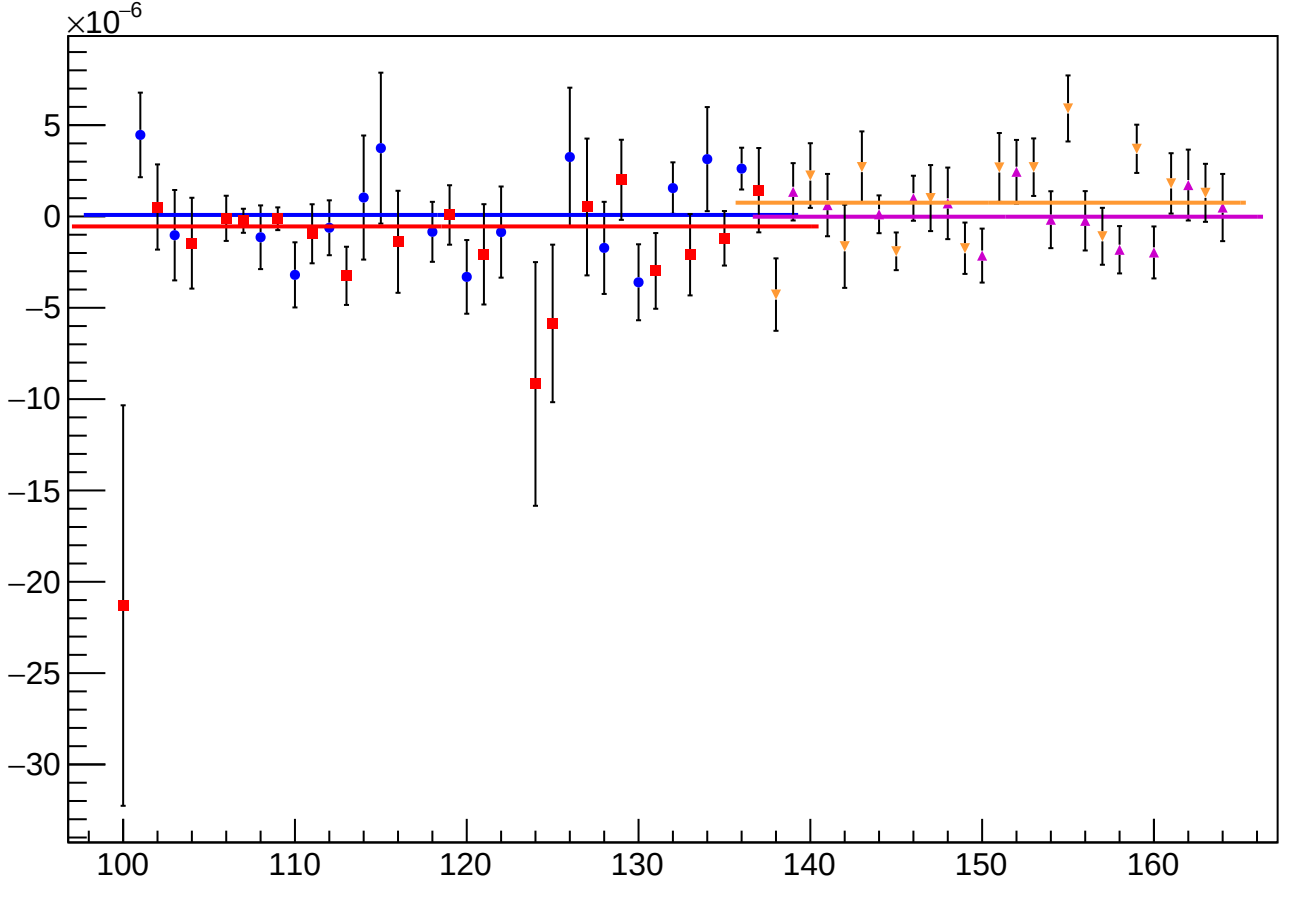
Left: 19.453+/-0.003 χ^2/NDF: 4373649.8/26

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.013+/-0.003 χ^2/NDF:3412640.1/28

Out: 20.220+/-0.004 χ^2/NDF:3645499.8/32

All: 19.584+/-0.003 χ^2/NDF: 7115302.4/61



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:10.5/12

Left: 0.000+/-0.000 χ^2/NDF: 48.9/26

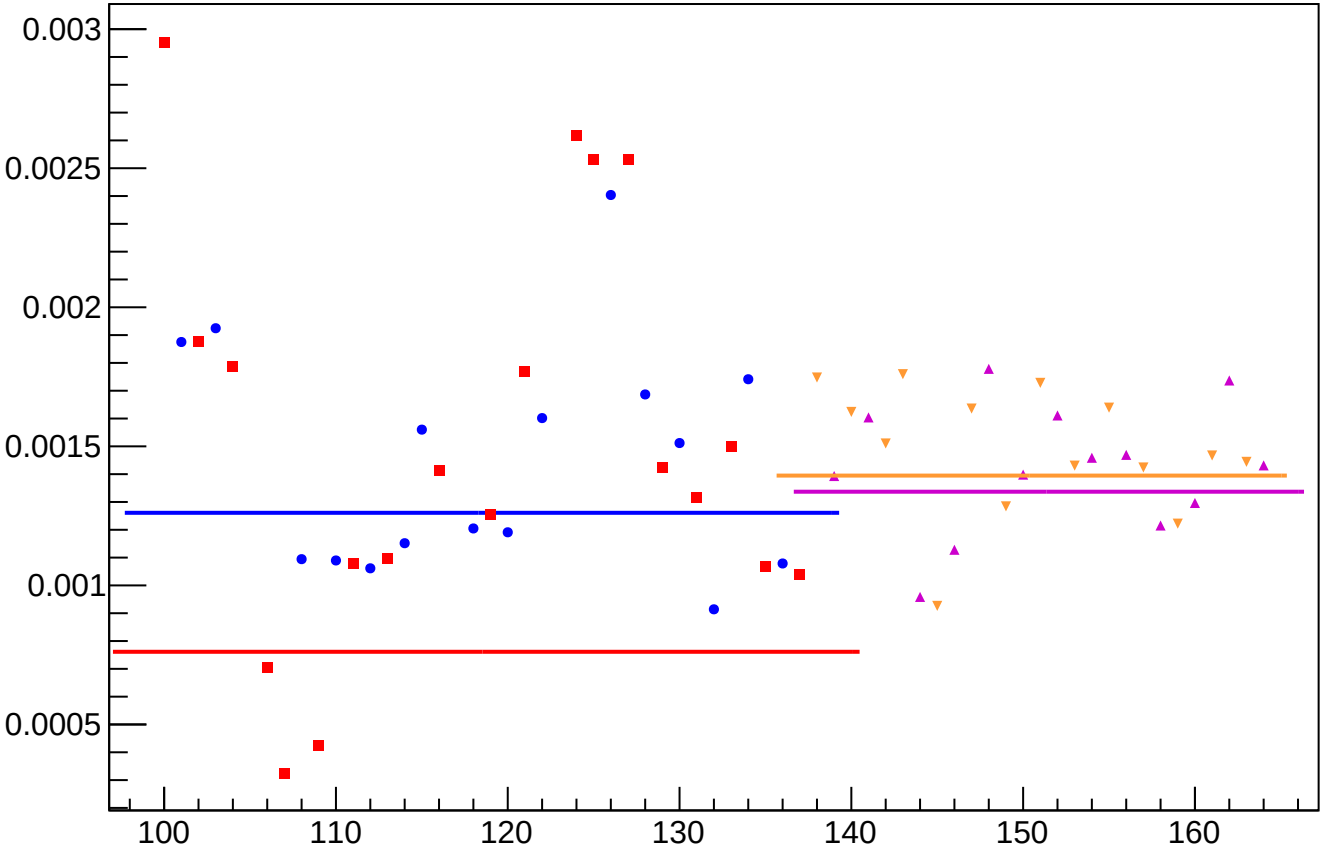
Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:34.1/28

Out: -0.000+/-0.000 χ^2/NDF:58.0/32

All: -0.000+/-0.000 χ^2/NDF: 92.1/61

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:772446.0/13

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:665918.6/12

Left: 0.001+/-0.000 χ^2/NDF: 1457435.5/26

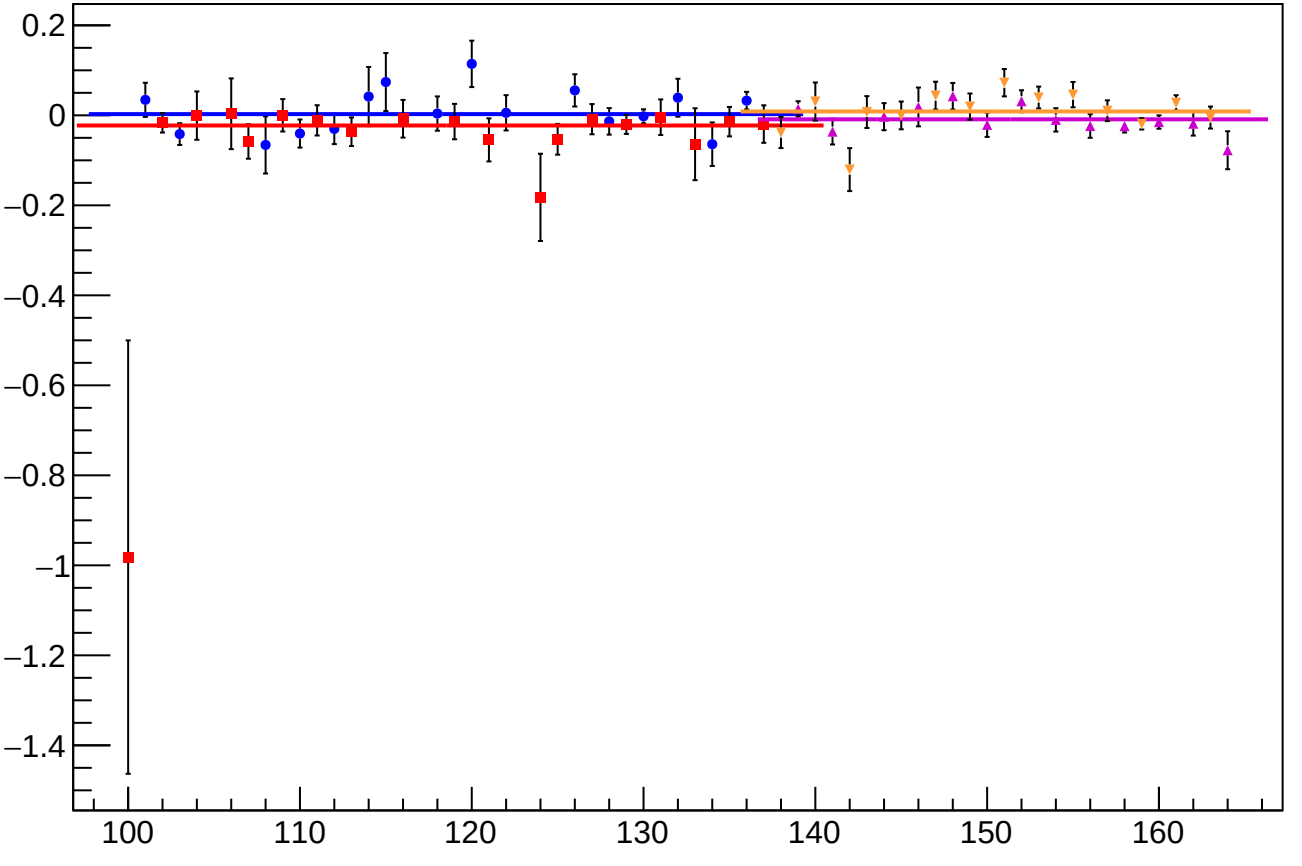
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1601362.9/28

Out: 0.001+/-0.000 χ^2/NDF:8159609.7/32

All: 0.001+/-0.000 χ^2/NDF: 10810700.6/61

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: 0.009+/-0.007 χ^2/NDF:25.1/13

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.6/12

Left: -0.000+/-0.005 χ^2/NDF: 42.3/26

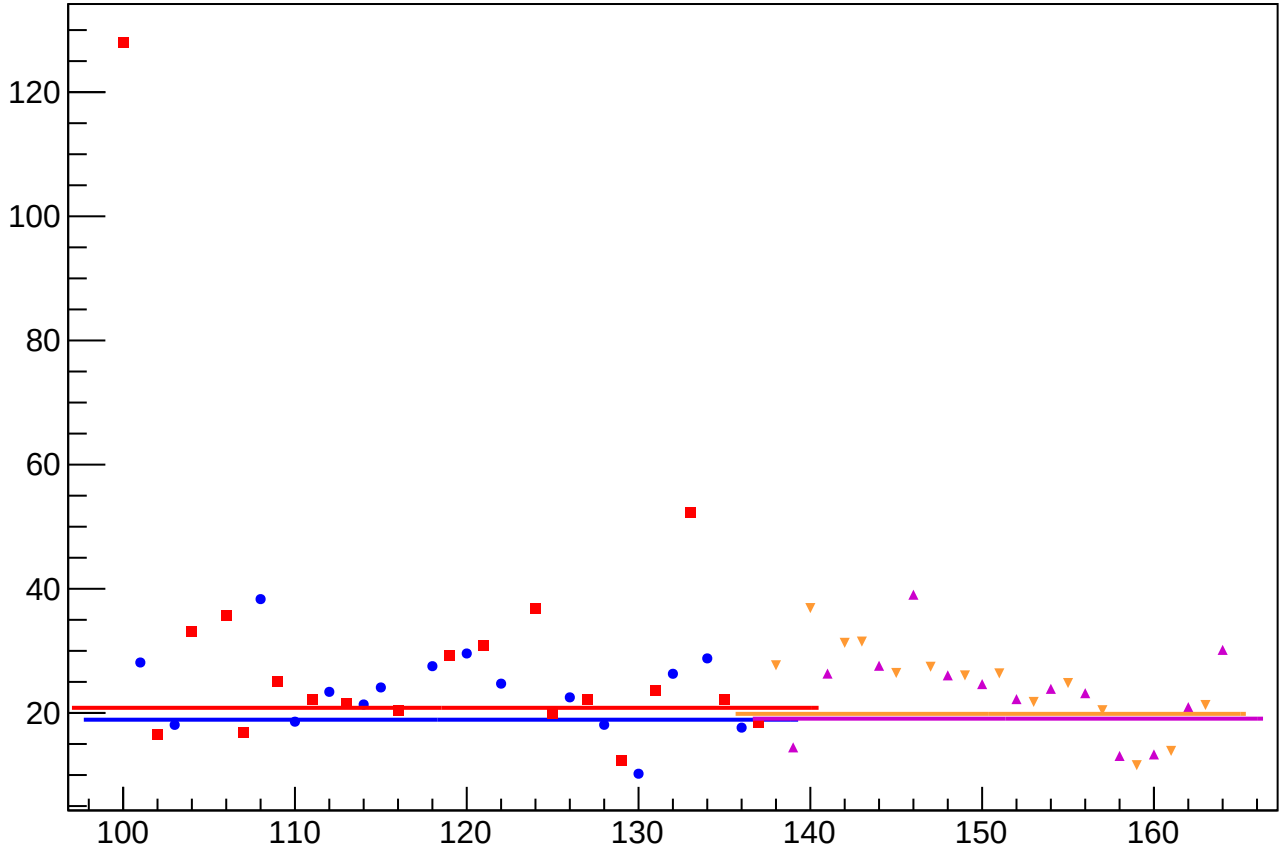
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/28

Out: -0.003+/-0.005 χ^2/NDF:44.3/32

All: -0.004+/-0.004 χ^2/NDF: 81.2/61

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: 19.855+/-0.005 χ^2/NDF:2337658.8/13

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.080+/-0.004 χ^2/NDF:2021834.5/12

Left: 19.453+/-0.003 χ^2/NDF: 4373956.6/26

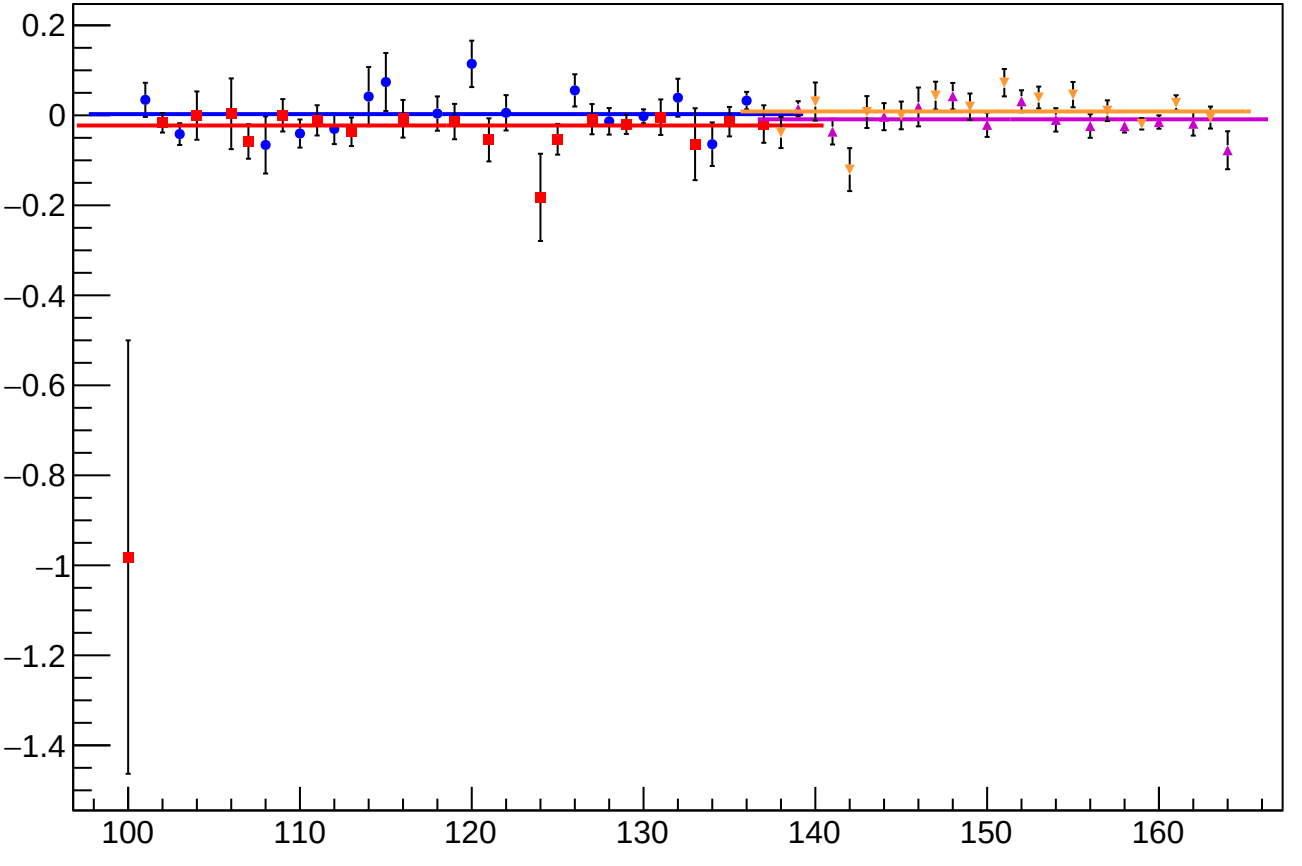
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.013+/-0.003 χ^2/NDF:3412627.5/28

Out: 20.220+/-0.004 χ^2/NDF:3645708.4/32

All: 19.585+/-0.003 χ^2/NDF: 7115482.0/61

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: 0.009+/-0.007 χ^2/NDF:25.1/13

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.009+/-0.006 χ^2/NDF:13.6/12

Left: -0.000+/-0.005 χ^2/NDF: 42.3/26

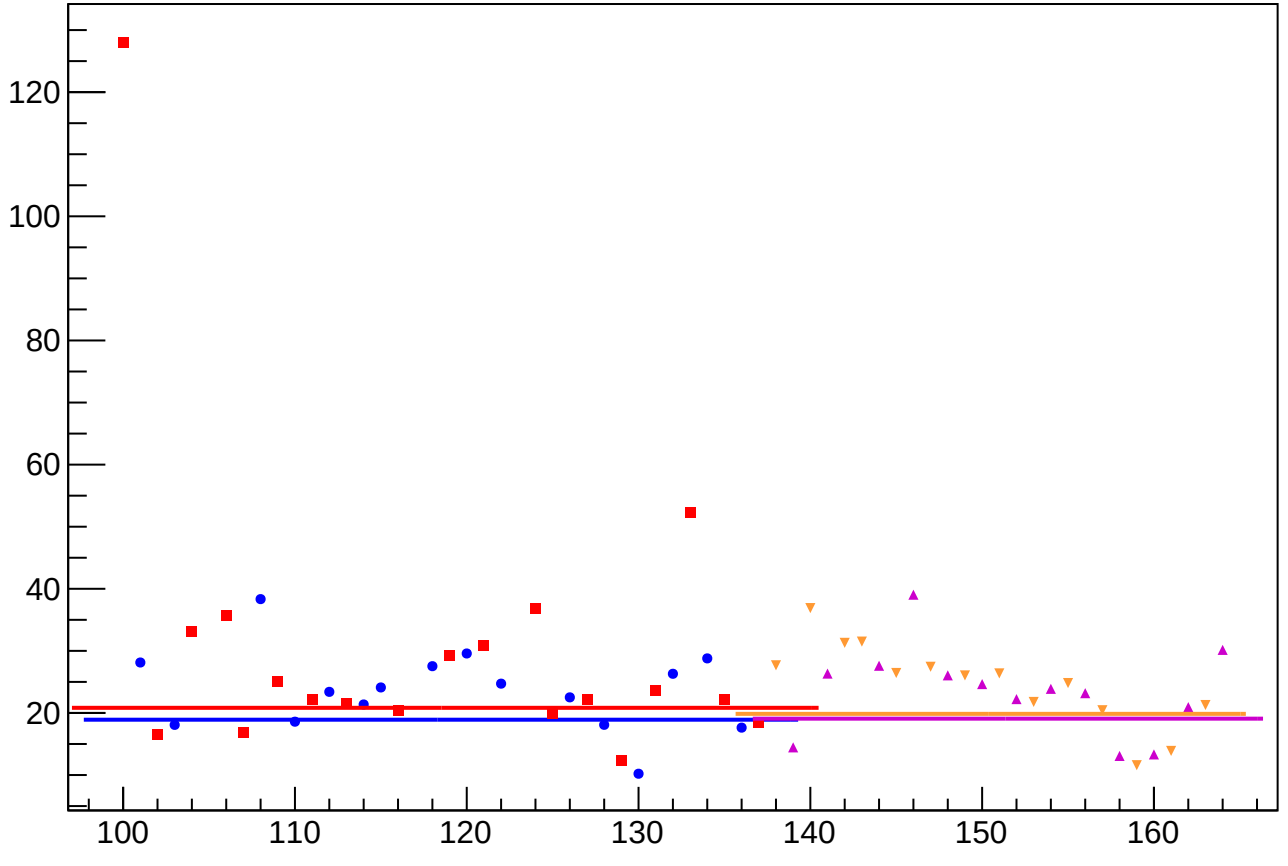
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.004+/-0.005 χ^2/NDF:36.9/28

Out: -0.003+/-0.005 χ^2/NDF:44.3/32

All: -0.004+/-0.004 χ^2/NDF: 81.2/61

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: 19.855+/-0.005 χ^2/NDF:2337658.8/13

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.080+/-0.004 χ^2/NDF:2021834.5/12

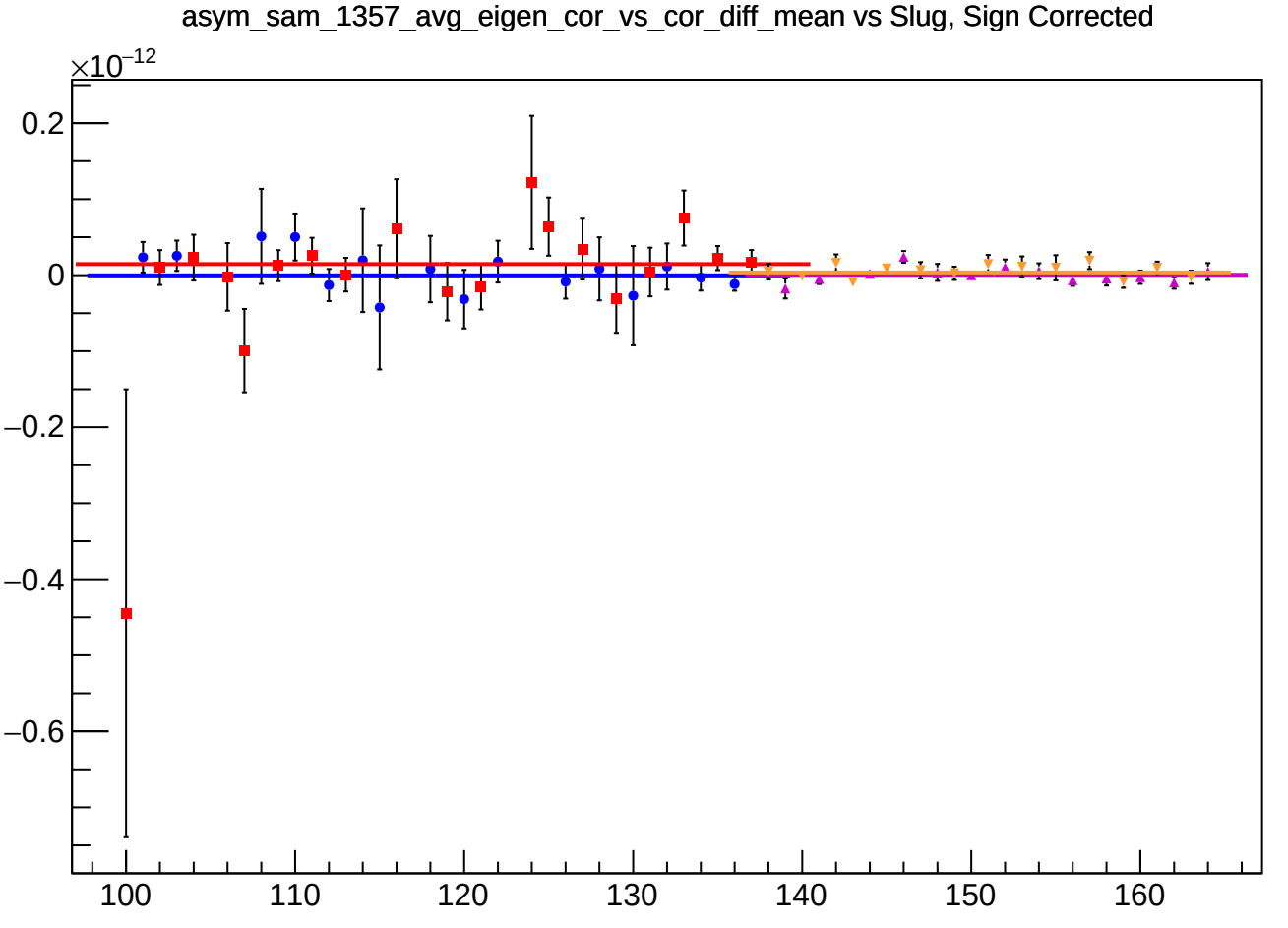
Left: 19.453+/-0.003 χ^2/NDF: 4373956.6/26

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.013+/-0.003 χ^2/NDF:3412627.5/28

Out: 20.220+/-0.004 χ^2/NDF:3645708.4/32

All: 19.585+/-0.003 χ^2/NDF: 7115482.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/12

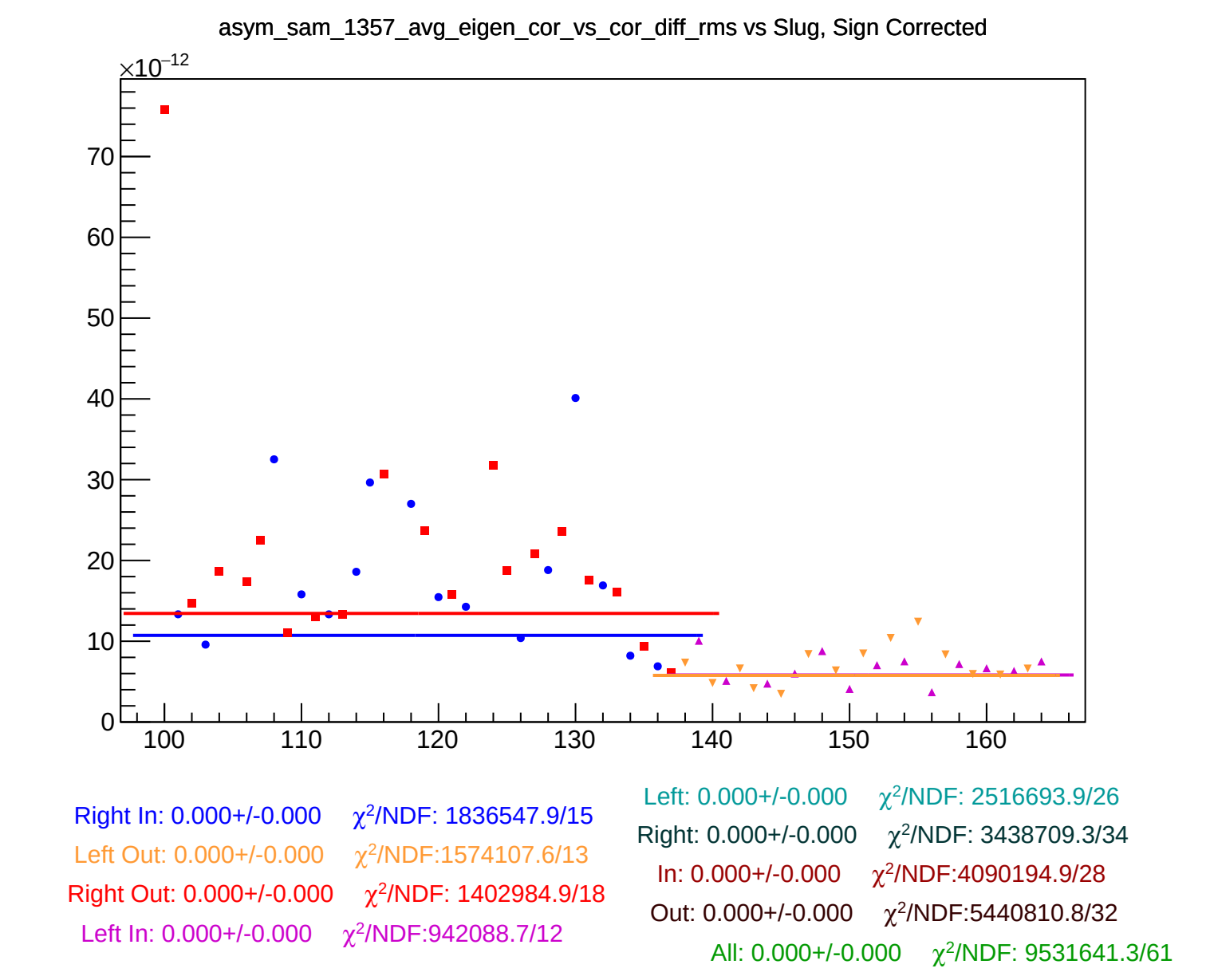
Left: 0.000+/-0.000 χ^2/NDF: 30.5/26

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

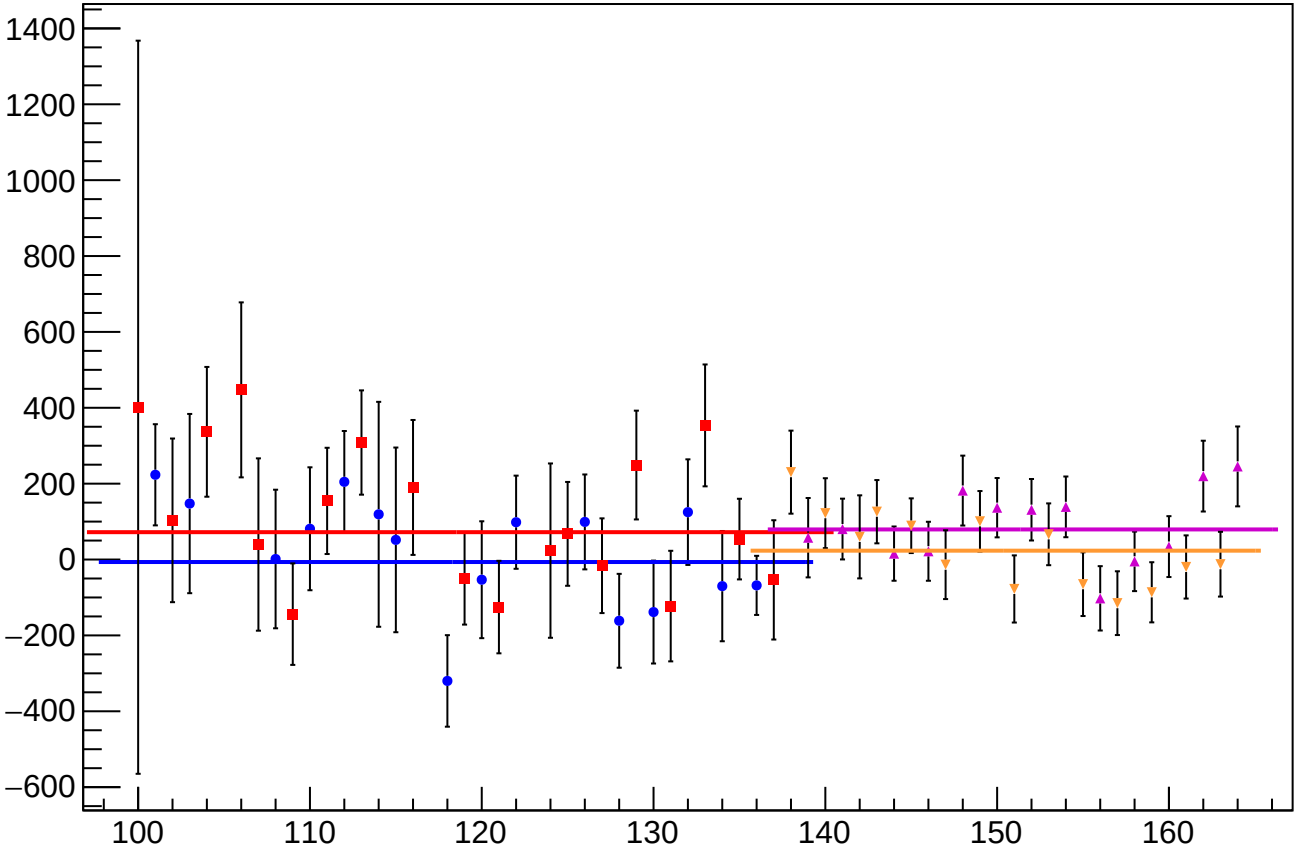
In: 0.000+/-0.000 χ^2/NDF:26.8/28

Out: 0.000+/-0.000 χ^2/NDF:33.5/32

All: 0.000+/-0.000 χ^2/NDF: 62.4/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1574107.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:942088.7/12
Left: 0.000+/-0.000 χ²/NDF: 2516693.9/26
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:4090194.9/28
Out: 0.000+/-0.000 χ²/NDF:5440810.8/32
All: 0.000+/-0.000 χ²/NDF: 9531641.3/61

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 23.353+/-22.928 χ^2/NDF:16.1/13

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 79.326+/-23.187 χ^2/NDF:14.9/12

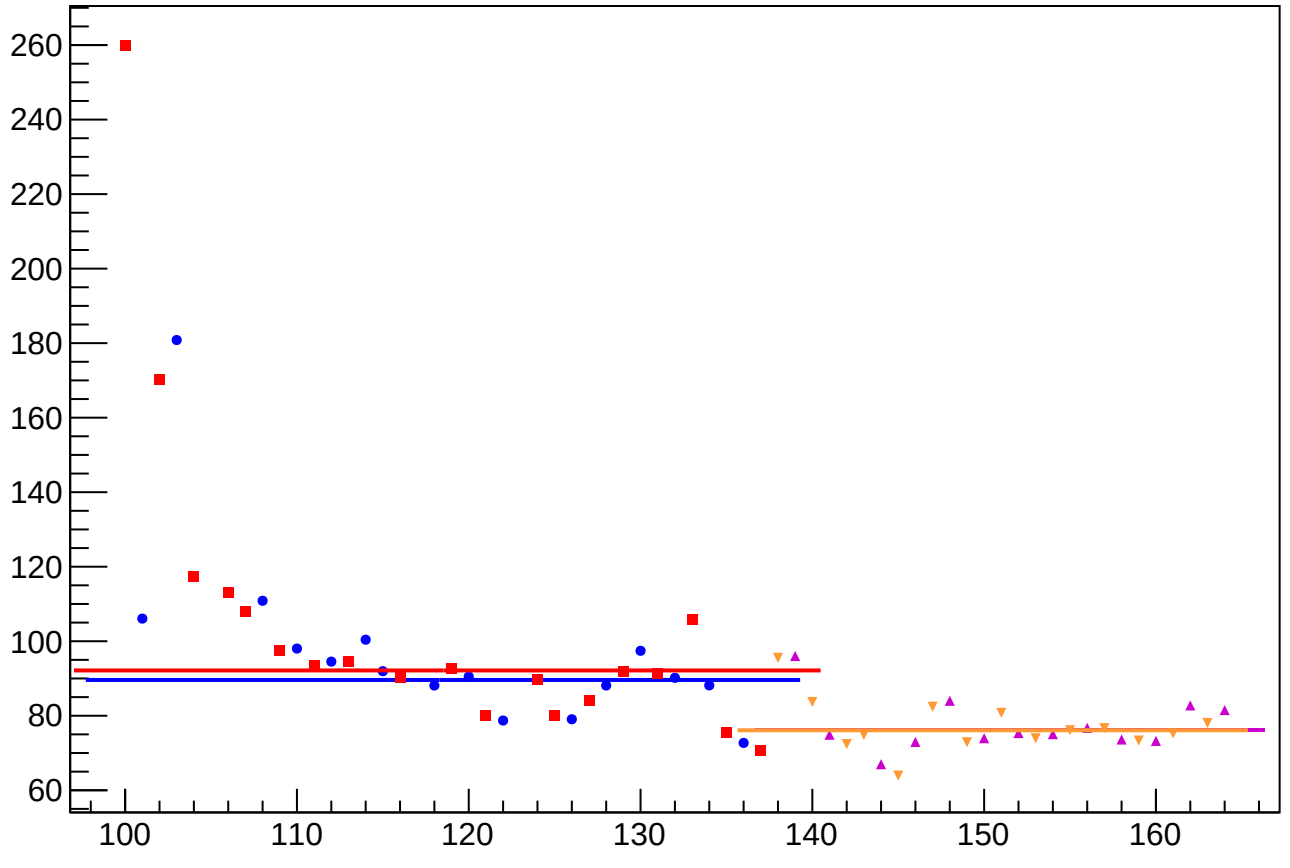
Left: 51.025+/-16.304 χ^2/NDF: 33.9/26

Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 52.373+/-19.207 χ^2/NDF:38.2/28

Out: 38.067+/-19.160 χ^2/NDF:40.2/32

All: 45.202+/-13.565 χ^2/NDF: 78.6/61



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.106+/-0.016 χ^2/NDF:160026.2/13

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 76.179+/-0.016 χ^2/NDF:145598.8/12

Left: 76.142+/-0.012 χ^2/NDF: 305635.1/26

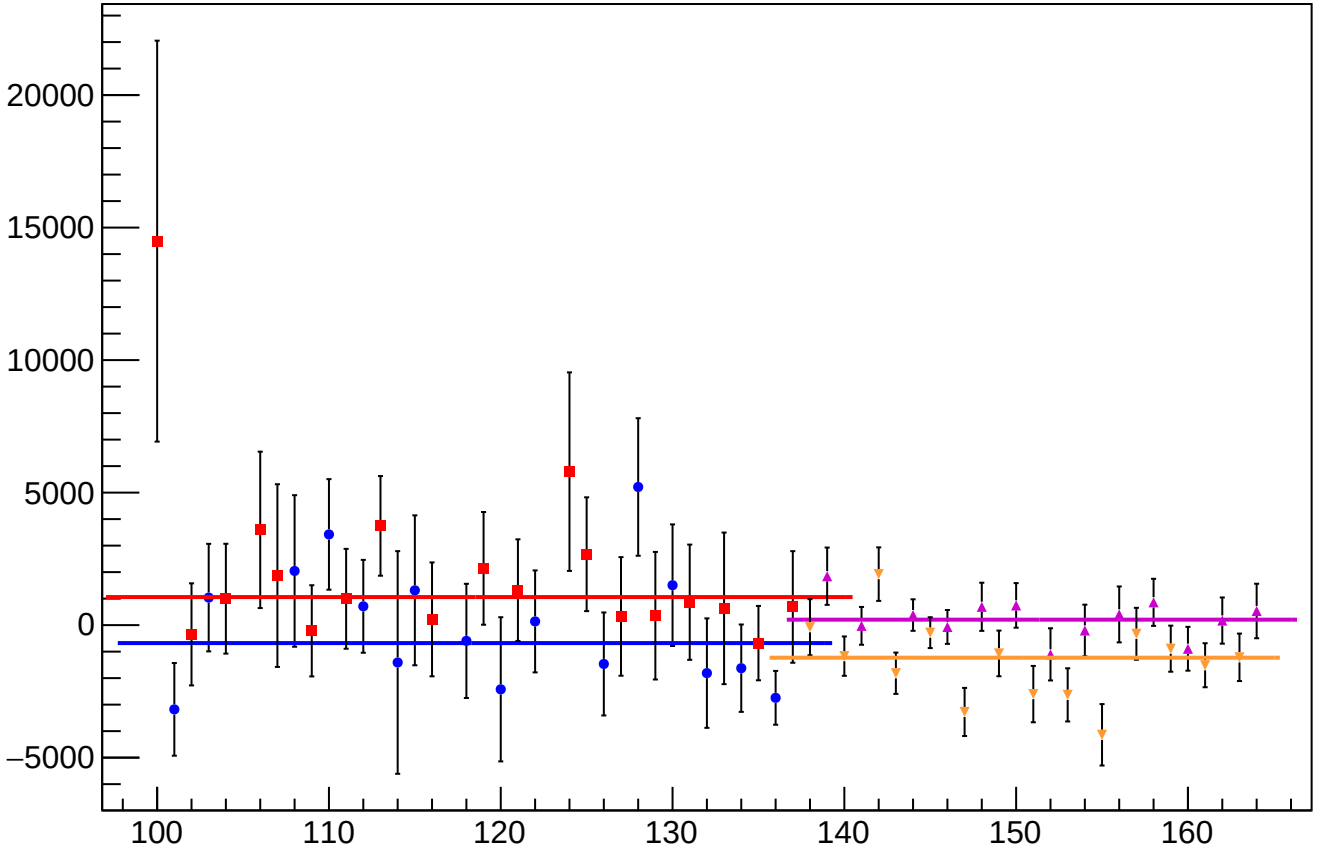
Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 80.392+/-0.014 χ^2/NDF:854362.7/28

Out: 80.950+/-0.014 χ^2/NDF:997961.2/32

All: 80.672+/-0.010 χ^2/NDF: 1853167.8/61

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: -1228.793+/-232.287 χ^2/NDF:30.3/13

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 205.985+/-231.231 χ^2/NDF:7.8/12

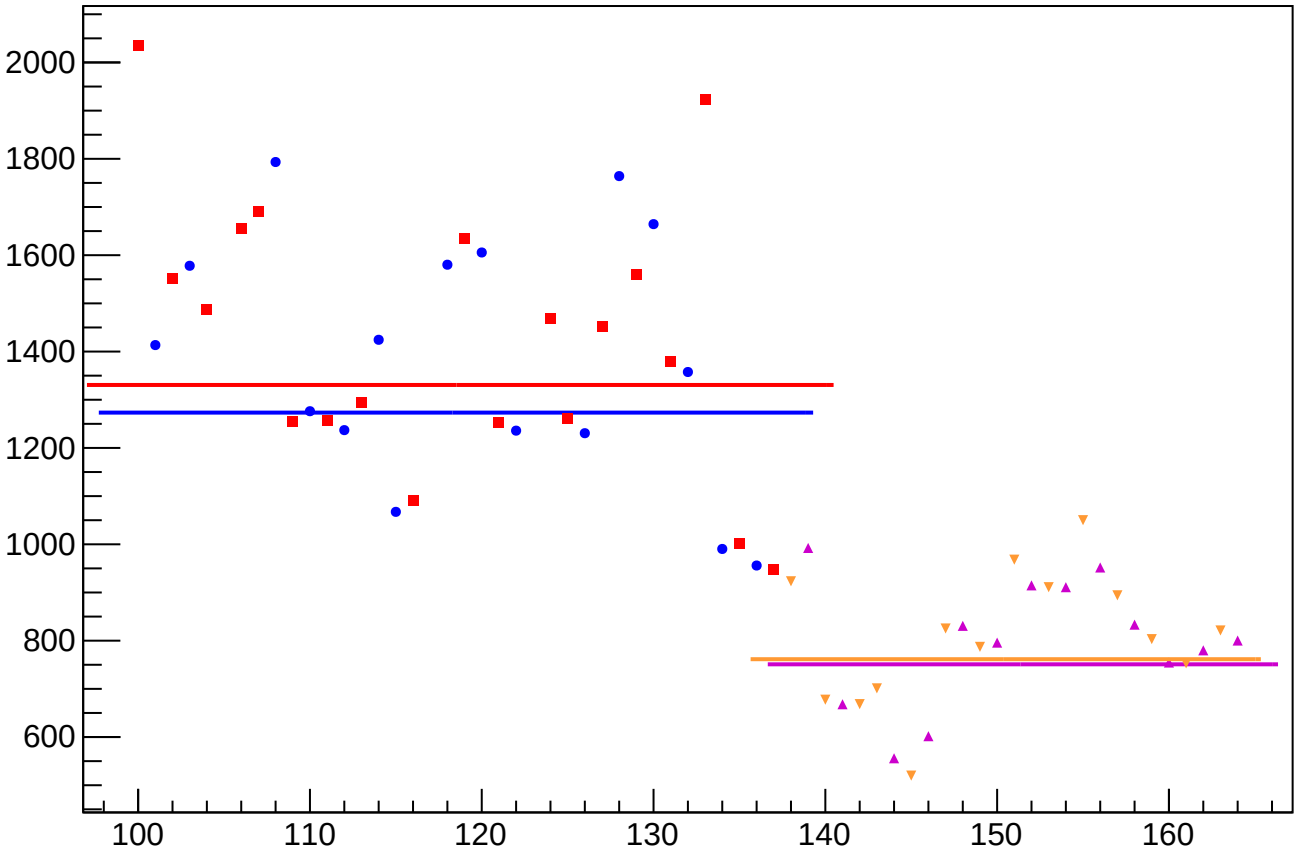
Left: -508.135+/-163.877 χ^2/NDF: 57.2/26

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 43.191+/-208.840 χ^2/NDF:30.7/28

Out: -817.799+/-210.387 χ^2/NDF:59.2/32

All: -384.126+/-148.216 χ^2/NDF: 98.3/61



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 761.556+/-0.164 χ^2/NDF:751820.0/13

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 750.938+/-0.164 χ^2/NDF:678365.2/12

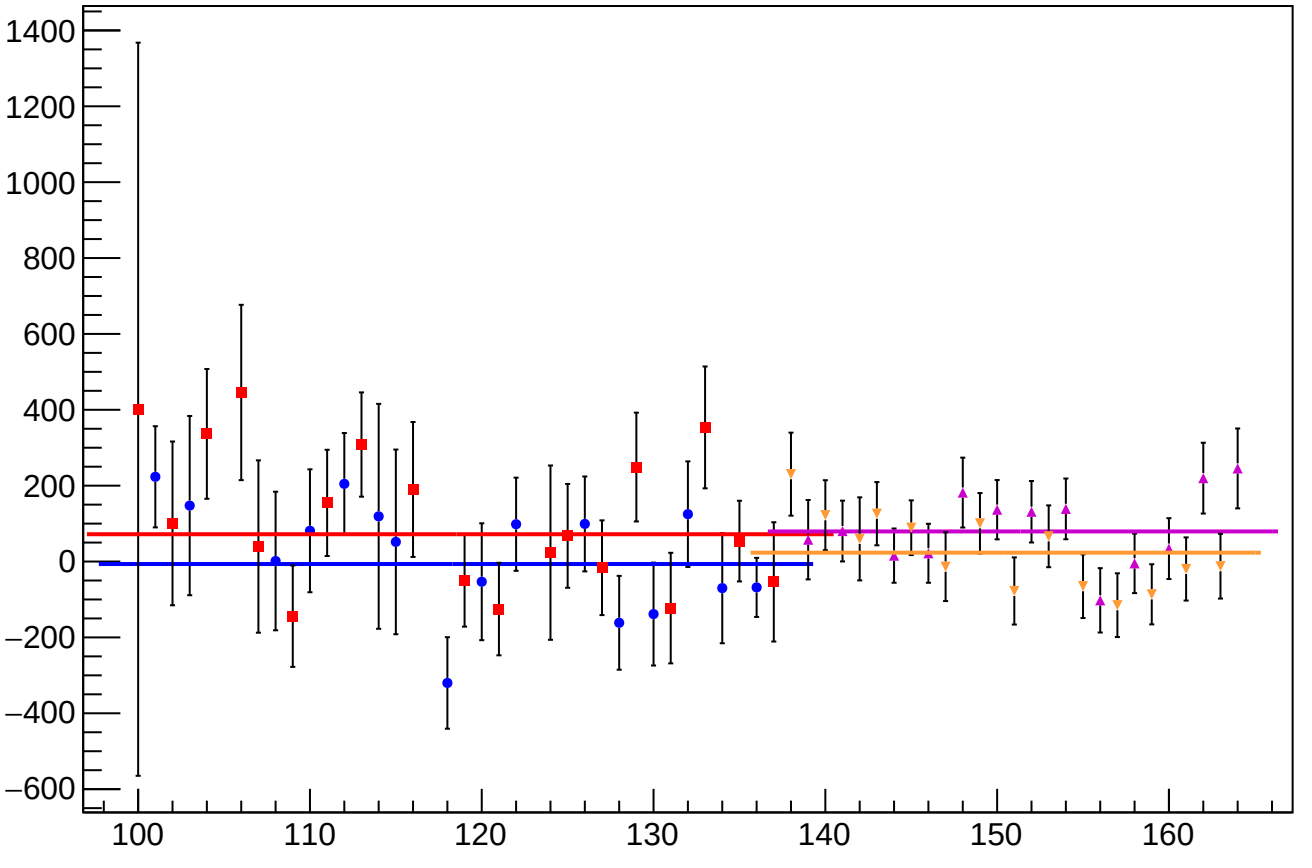
Left: 756.223+/-0.116 χ^2/NDF: 1432284.5/26

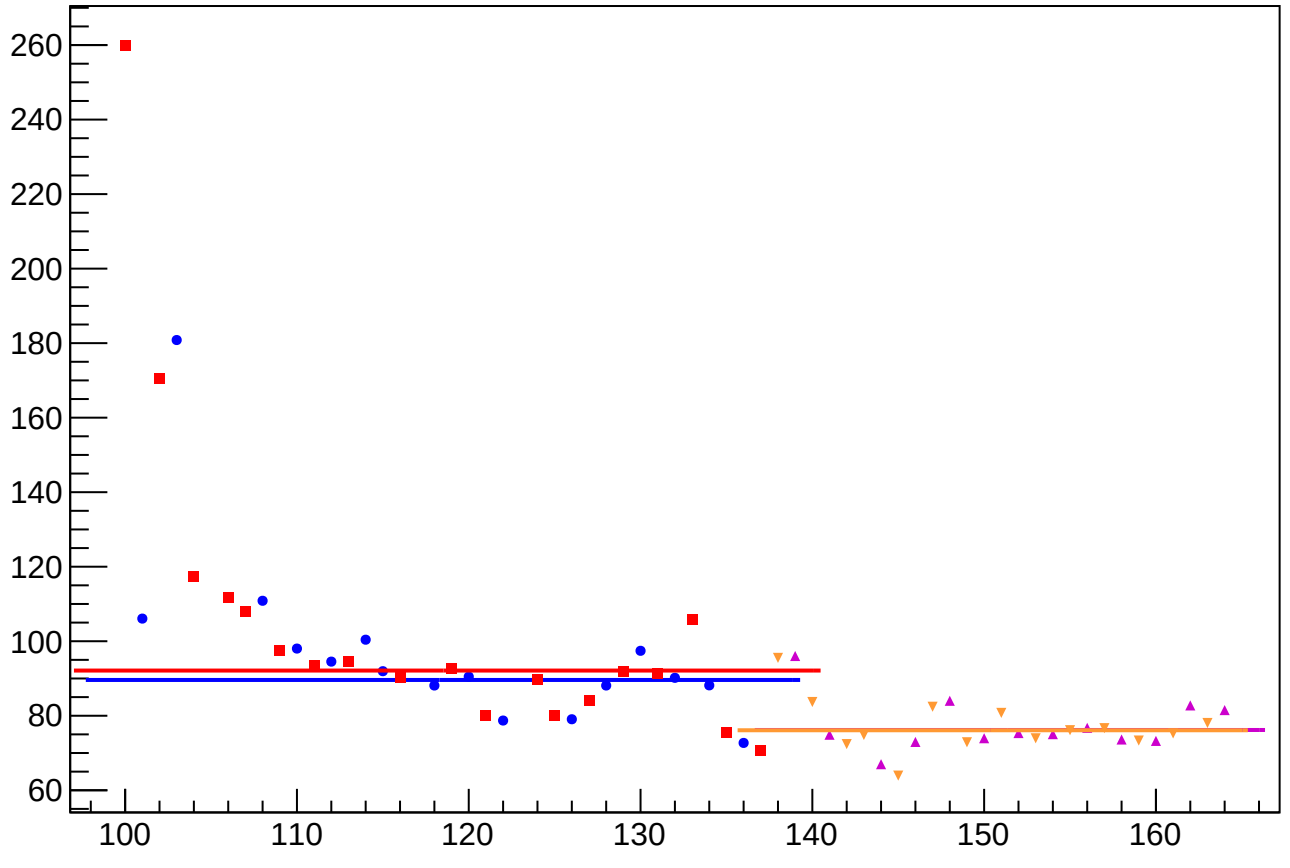
Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 847.208+/-0.148 χ^2/NDF:3157023.2/28

Out: 863.809+/-0.149 χ^2/NDF:3379587.6/32

All: 855.447+/-0.105 χ^2/NDF: 6542883.0/61


cor_asym_sam_2468_avg_mean vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
Right In: -6.568+/-34.286 χ²/NDF: 18.9/15
Left Out: 23.357+/-22.928 χ²/NDF:16.1/13
Right Out: 71.981+/-34.885 χ²/NDF: 22.8/18
Left In: 79.326+/-23.187 χ²/NDF:14.9/12
Left: 51.028+/-16.304 χ²/NDF: 33.9/26
Right: 32.026+/-24.453 χ²/NDF: 44.3/34
In: 52.370+/-19.207 χ²/NDF:38.2/28
Out: 38.026+/-19.160 χ²/NDF:40.2/32
All: 45.180+/-13.565 χ²/NDF: 78.6/61



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.106+/-0.016 χ^2/NDF:160026.2/13

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.179+/-0.016 χ^2/NDF:145598.8/12

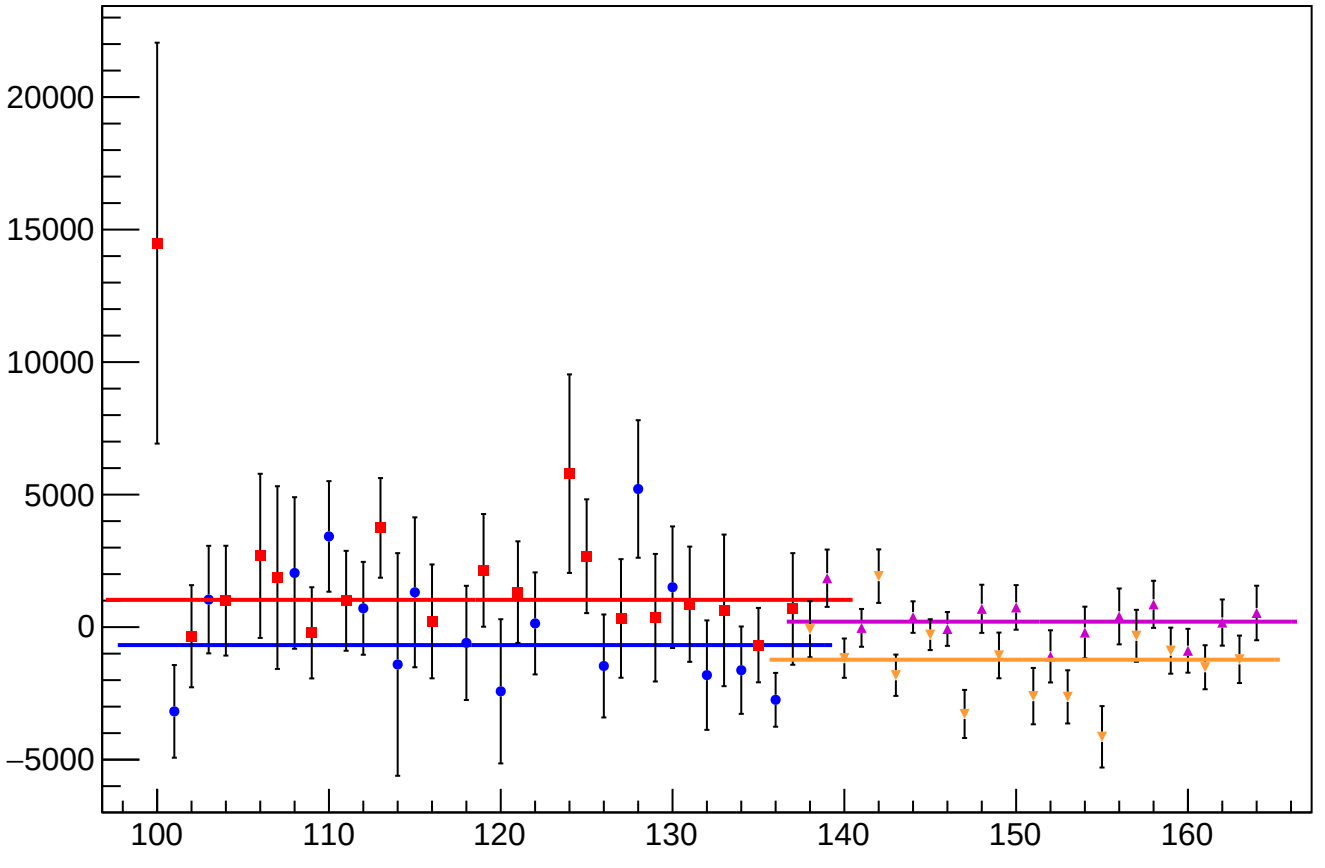
Left: 76.142+/-0.012 χ^2/NDF: 305635.1/26

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.392+/-0.014 χ^2/NDF:854366.3/28

Out: 80.940+/-0.014 χ^2/NDF:995002.1/32

All: 80.667+/-0.010 χ^2/NDF: 1850182.4/61



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1228.787+/-232.287 χ^2/NDF:30.3/13

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 205.988+/-231.231 χ^2/NDF:7.8/12

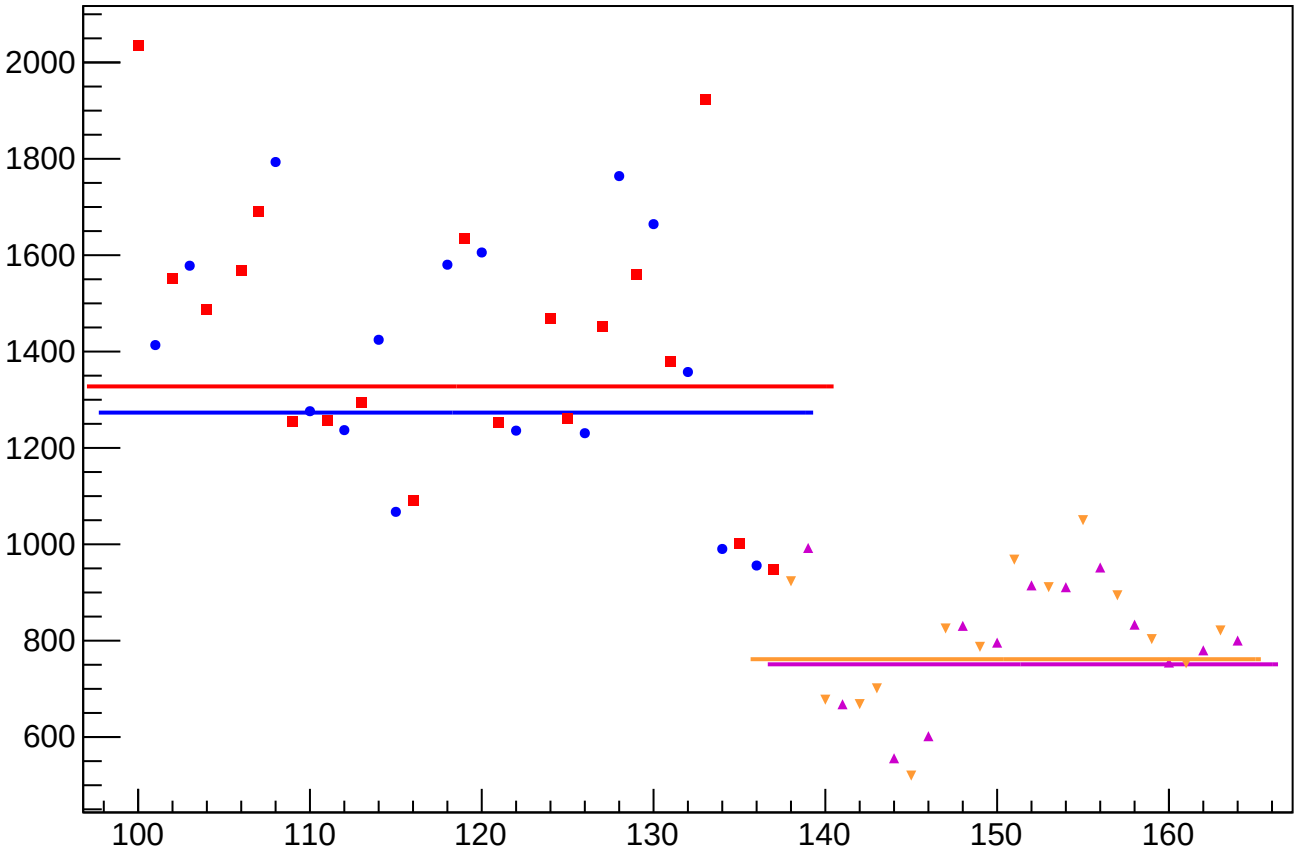
Left: -508.131+/-163.877 χ^2/NDF: 57.2/26

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 43.201+/-208.840 χ^2/NDF:30.7/28

Out: -823.964+/-210.438 χ^2/NDF:58.2/32

All: -387.077+/-148.234 χ^2/NDF: 97.5/61



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 761.556+/-0.164 χ^2/NDF:751823.2/13

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 750.938+/-0.164 χ^2/NDF:678362.9/12

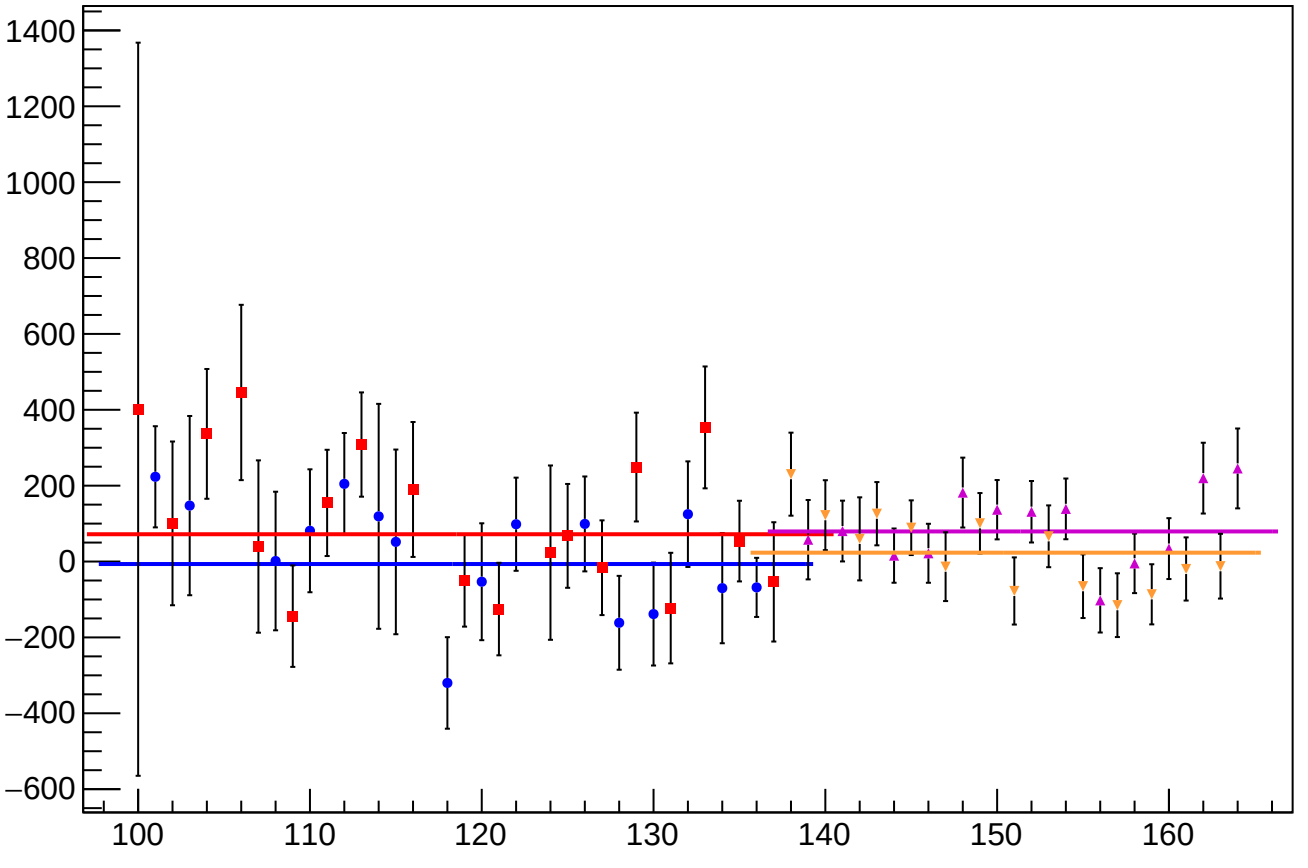
Left: 756.223+/-0.116 χ^2/NDF: 1432285.1/26

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 847.208+/-0.148 χ^2/NDF:3157059.3/28

Out: 863.041+/-0.149 χ^2/NDF:3339818.7/32

All: 855.064+/-0.105 χ^2/NDF: 6502582.1/61



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 23.357+/-22.928 χ^2/NDF:16.1/13

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 79.326+/-23.187 χ^2/NDF:14.9/12

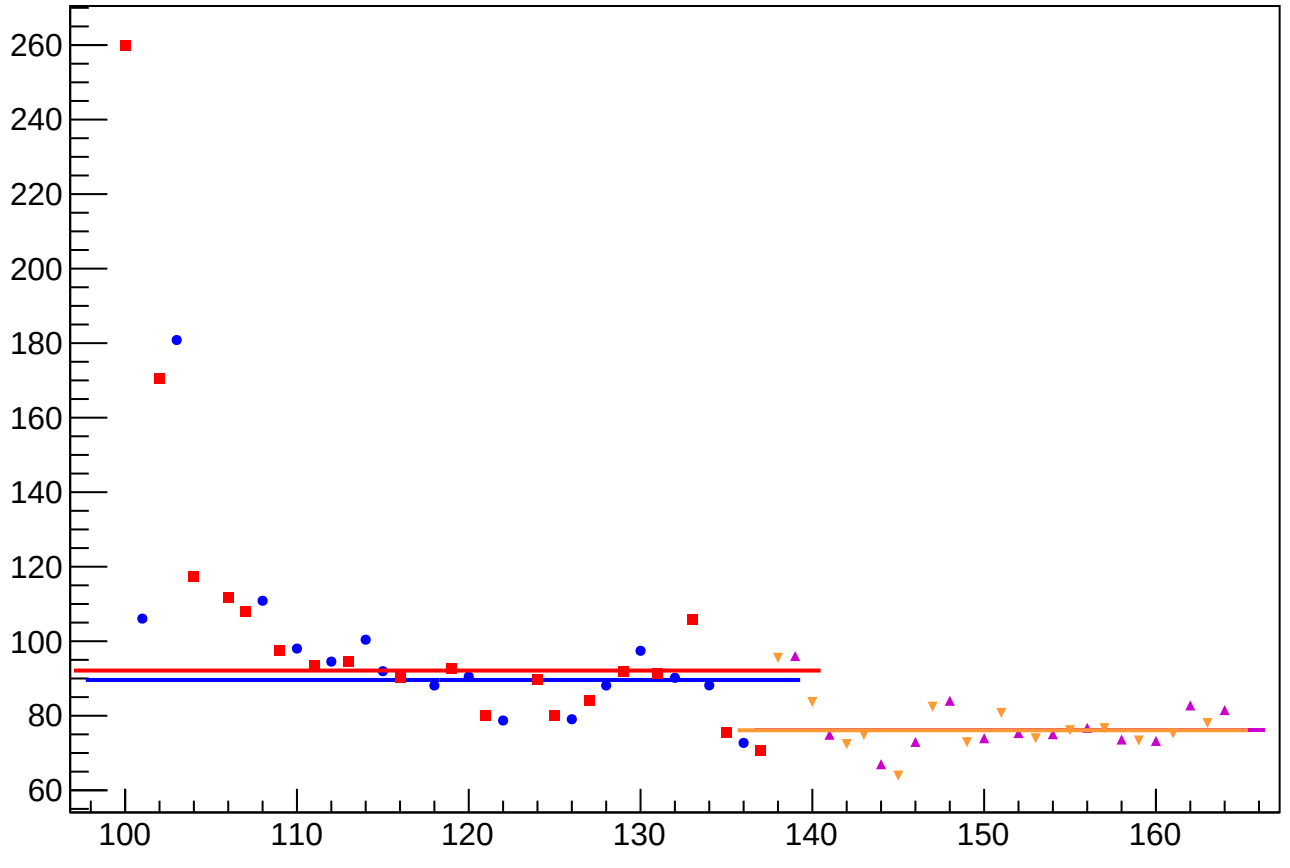
Left: 51.028+/-16.304 χ^2/NDF: 33.9/26

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 52.370+/-19.207 χ^2/NDF:38.2/28

Out: 38.026+/-19.160 χ^2/NDF:40.2/32

All: 45.180+/-13.565 χ^2/NDF: 78.6/61



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.106+/-0.016 χ^2/NDF:160026.2/13

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 76.179+/-0.016 χ^2/NDF:145598.8/12

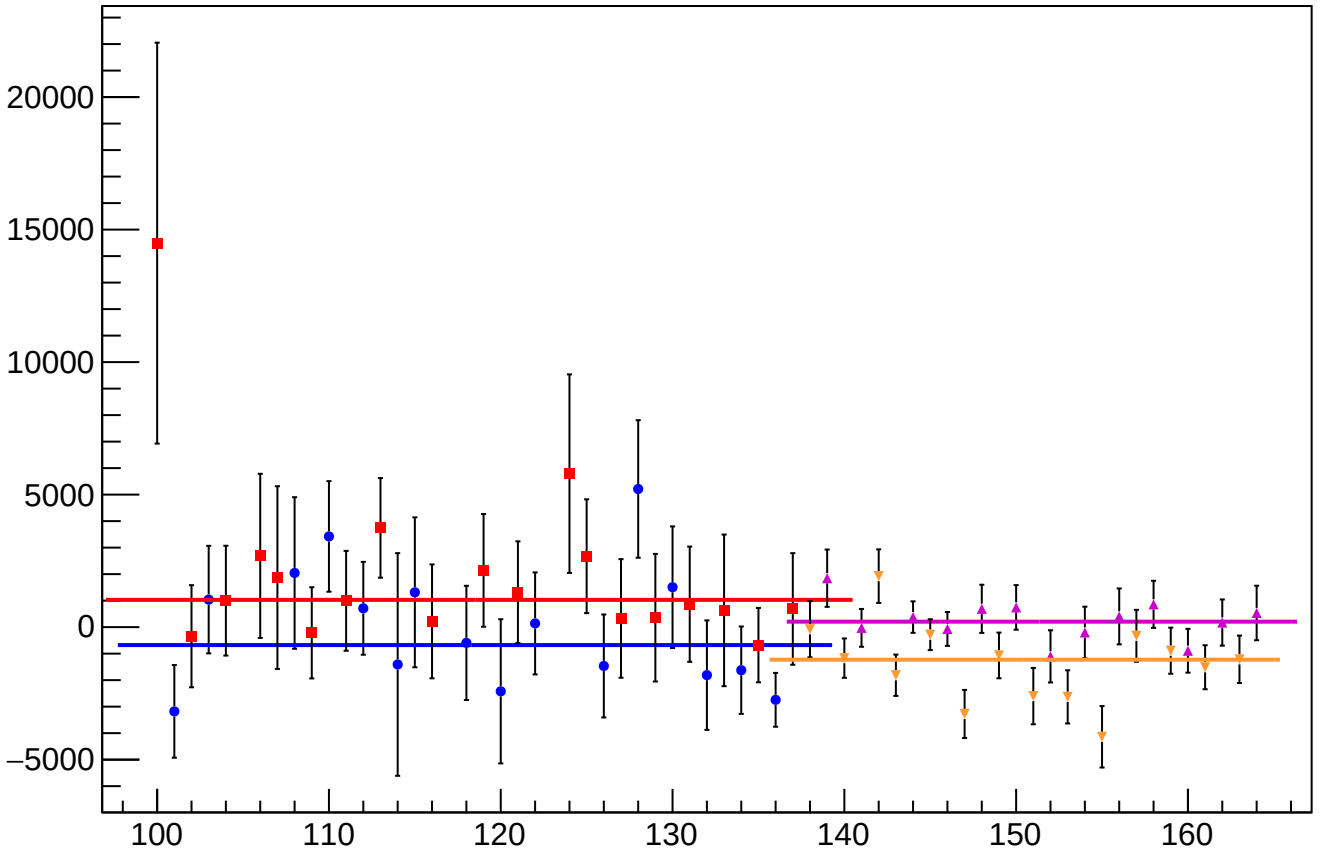
Left: 76.142+/-0.012 χ^2/NDF: 305635.1/26

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.392+/-0.014 χ^2/NDF:854366.3/28

Out: 80.940+/-0.014 χ^2/NDF:995002.1/32

All: 80.667+/-0.010 χ^2/NDF: 1850182.4/61



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1228.787+/-232.287 χ^2/NDF:30.3/13

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 205.988+/-231.231 χ^2/NDF:7.8/12

Left: -508.131+/-163.877 χ^2/NDF: 57.2/26

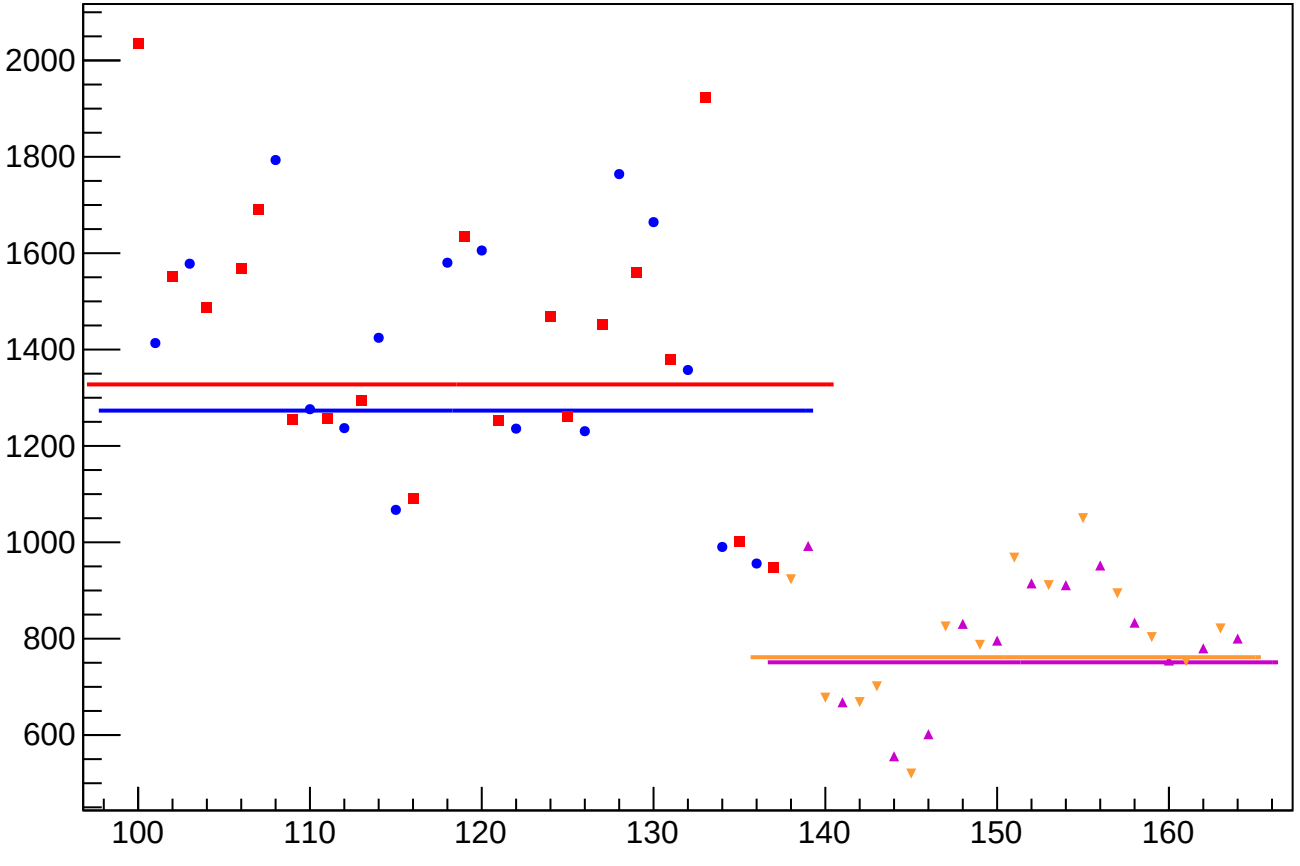
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 43.201+/-208.840 χ^2/NDF:30.7/28

Out: -823.964+/-210.438 χ^2/NDF:58.2/32

All: -387.077+/-148.234 χ^2/NDF: 97.5/61

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: 761.556+/-0.164 χ^2/NDF:751823.2/13

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 750.938+/-0.164 χ^2/NDF:678362.9/12

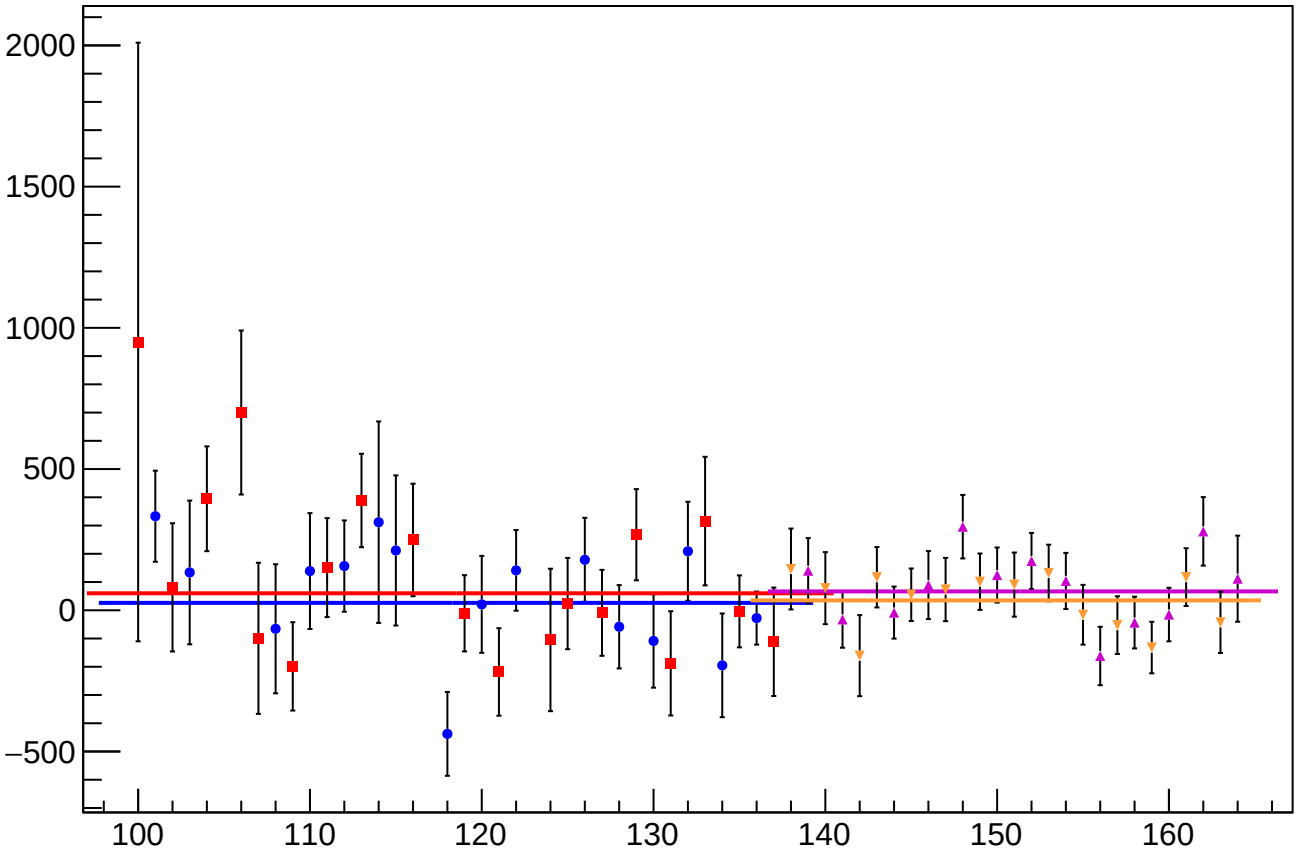
Left: 756.223+/-0.116 χ^2/NDF: 1432285.1/26

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 847.208+/-0.148 χ^2/NDF:3157059.3/28

Out: 863.041+/-0.149 χ^2/NDF:3339818.7/32

All: 855.064+/-0.105 χ^2/NDF: 6502582.1/61



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 35.029+/-28.803 χ^2/NDF:10.4/13

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 66.801+/-29.073 χ^2/NDF:18.1/12

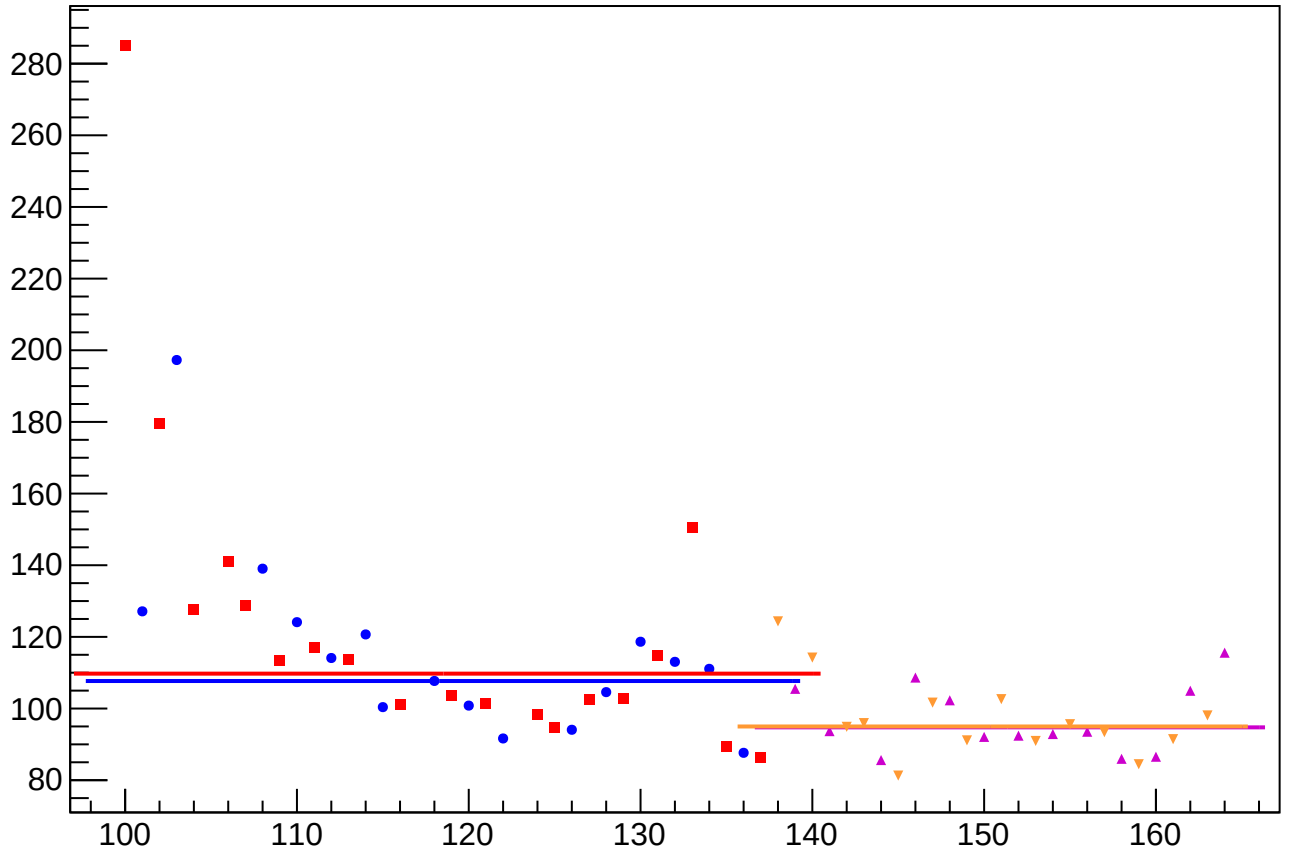
Left: 50.767+/-20.461 χ^2/NDF: 29.2/26

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 53.330+/-23.758 χ^2/NDF:40.2/28

Out: 43.179+/-23.667 χ^2/NDF:37.7/32

All: 48.235+/-16.767 χ^2/NDF: 77.9/61



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 94.991+/-0.020 χ^2/NDF:226605.6/13

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 94.746+/-0.021 χ^2/NDF:161316.0/12

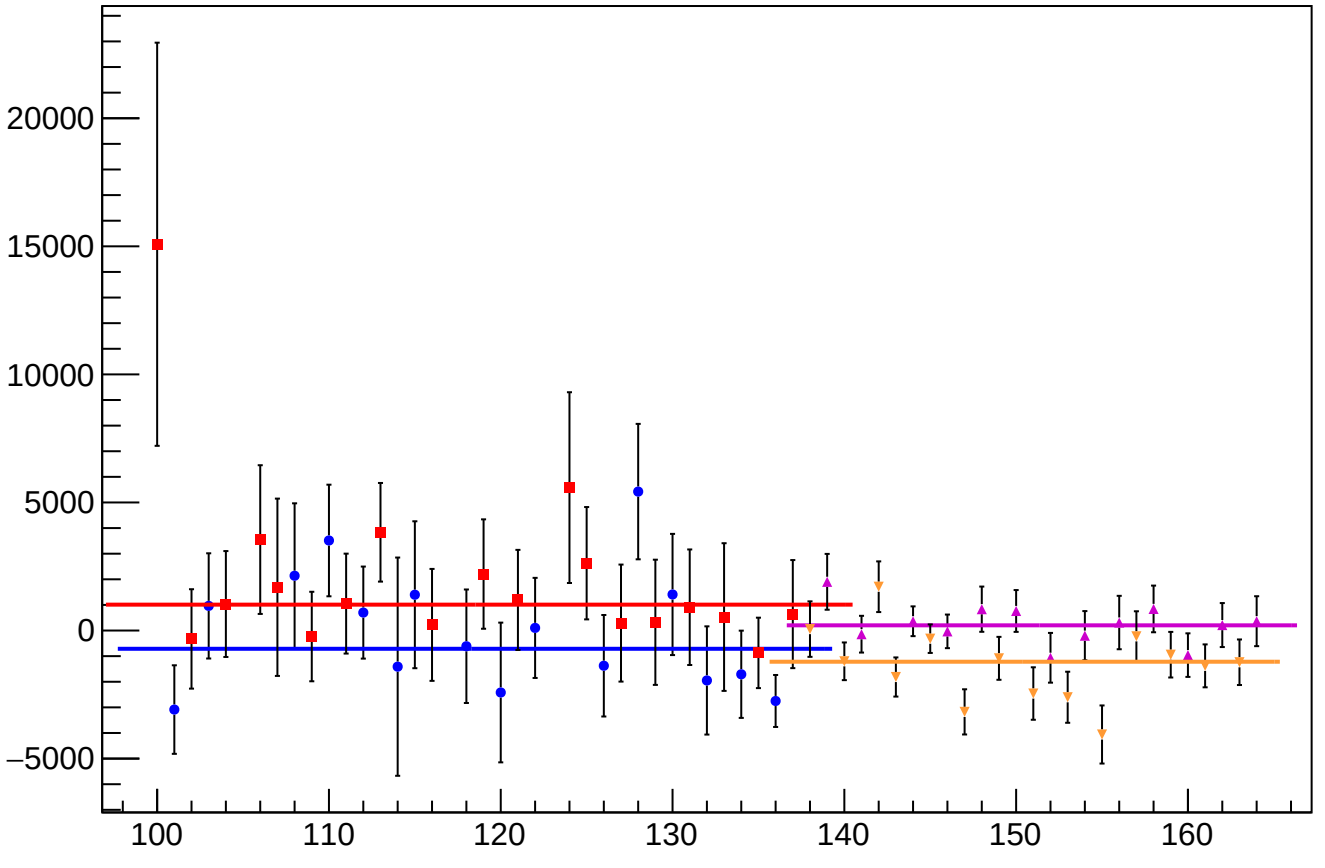
Left: 94.870+/-0.014 χ^2/NDF: 387993.1/26

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 99.043+/-0.017 χ^2/NDF:775936.6/28

Out: 99.781+/-0.017 χ^2/NDF:888721.2/32

All: 99.413+/-0.012 χ^2/NDF: 1665627.2/61



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1217.871+/-228.791 χ^2/NDF:29.2/13

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 202.974+/-229.929 χ^2/NDF:8.1/12

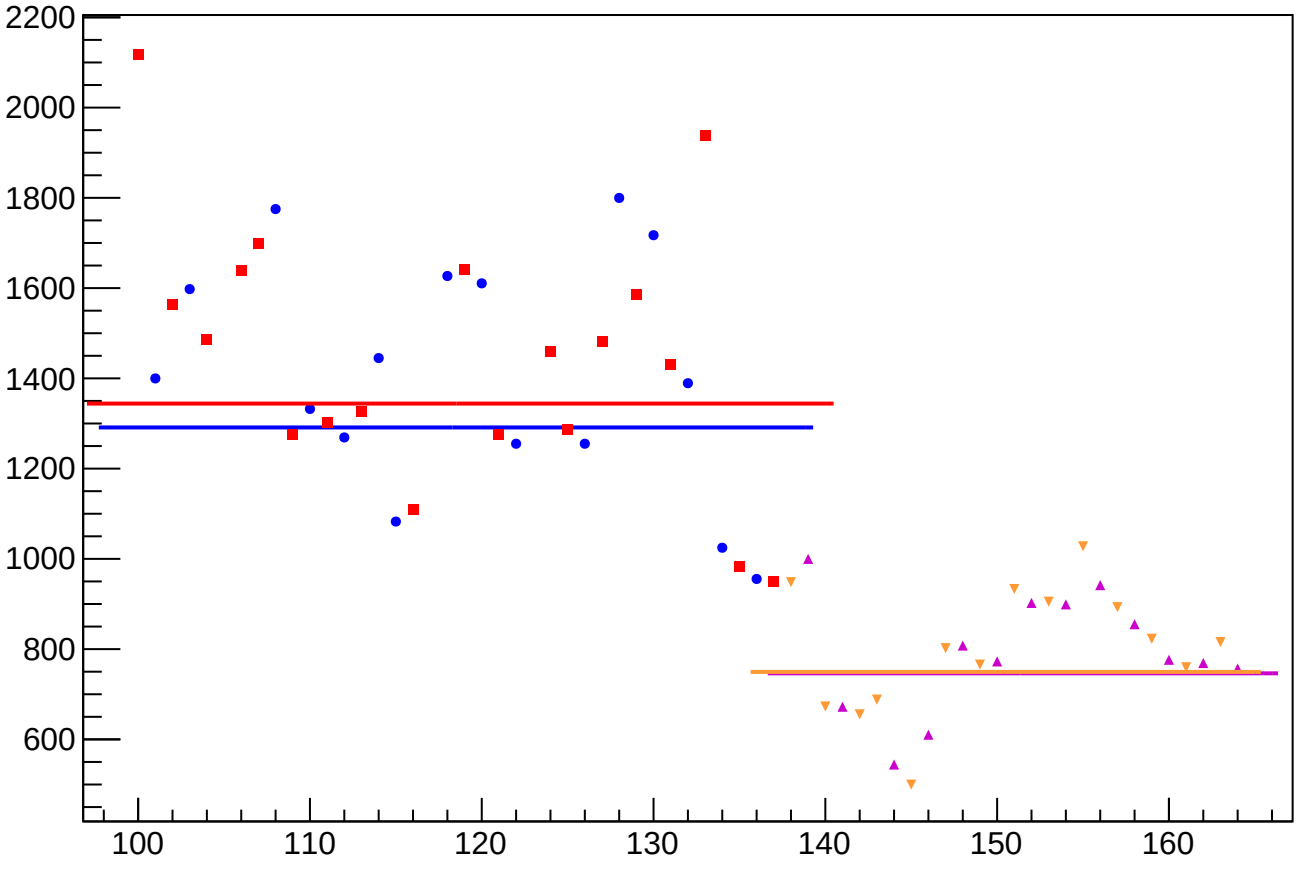
Left: -510.974+/-162.181 χ^2/NDF: 56.5/26

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 39.487+/-208.399 χ^2/NDF:31.1/28

Out: -833.808+/-208.144 χ^2/NDF:57.3/32

All: -397.696+/-147.270 χ^2/NDF: 97.1/61



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 749.548+/-0.162 χ^2/NDF:831976.7/13

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 746.360+/-0.163 χ^2/NDF:674434.7/12

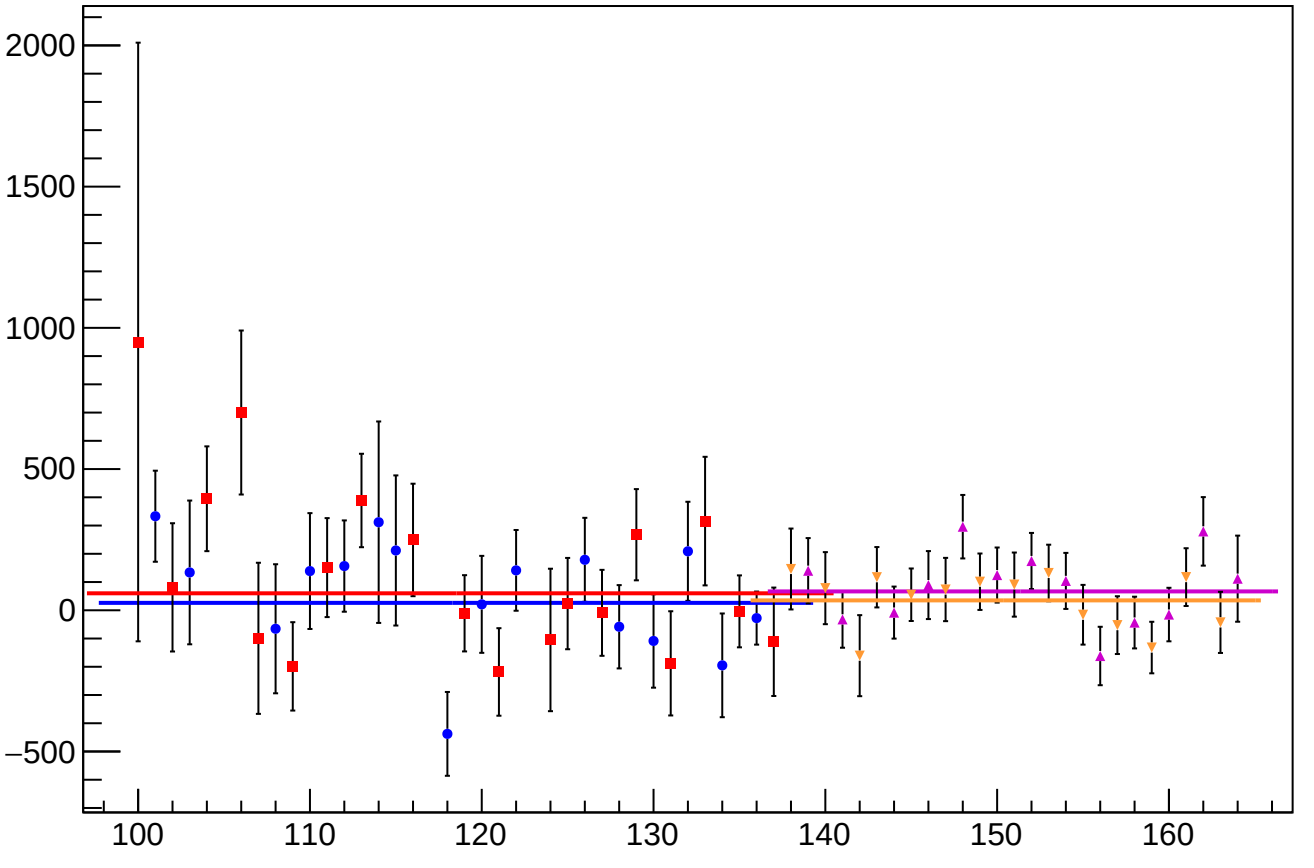
Left: 747.962+/-0.115 χ^2/NDF: 1506604.6/26

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 843.622+/-0.147 χ^2/NDF:3290122.5/28

Out: 852.020+/-0.147 χ^2/NDF:3650821.9/32

All: 847.826+/-0.104 χ^2/NDF: 6942570.5/61



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 35.031+/-28.803 χ^2/NDF:10.4/13

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 66.800+/-29.073 χ^2/NDF:18.1/12

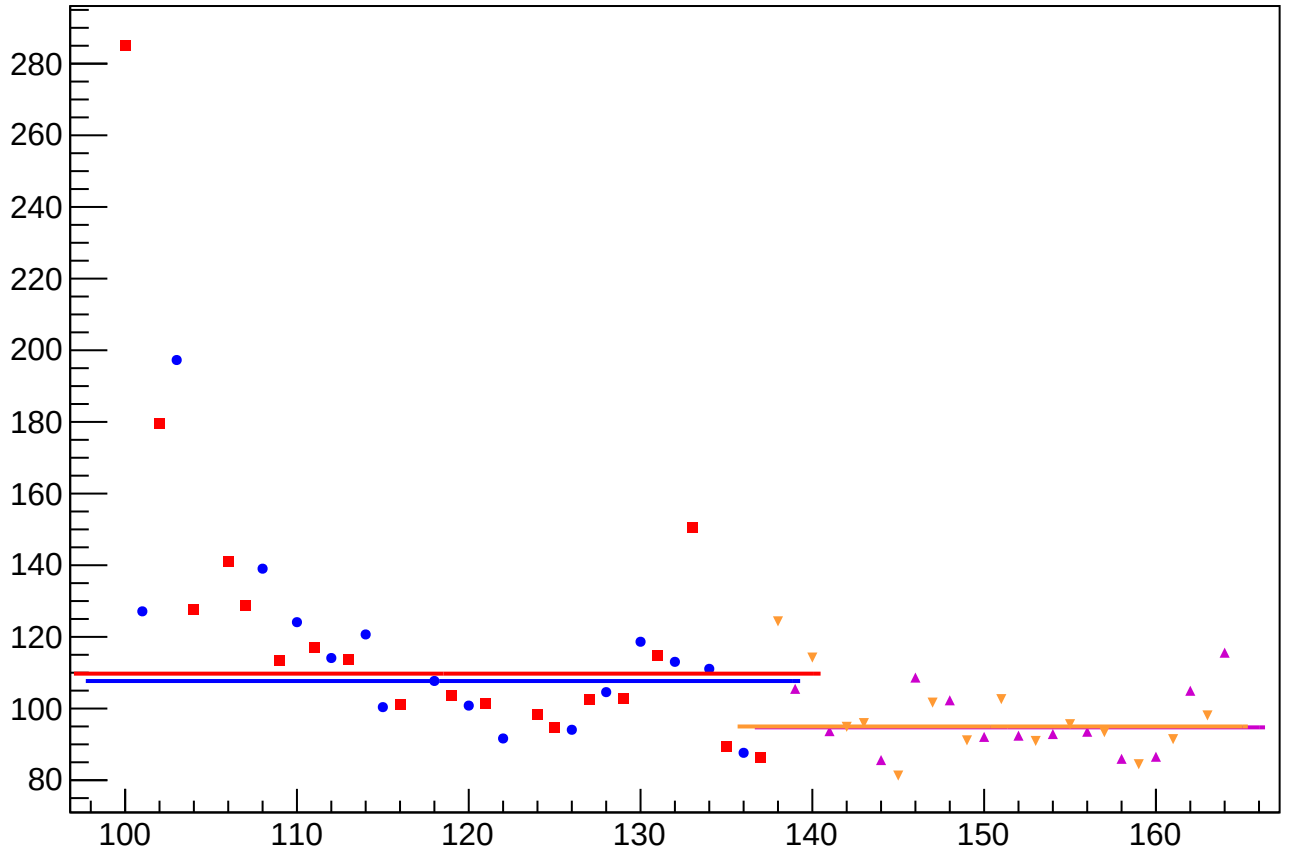
Left: 50.767+/-20.461 χ^2/NDF: 29.2/26

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 53.329+/-23.758 χ^2/NDF:40.2/28

Out: 43.179+/-23.667 χ^2/NDF:37.7/32

All: 48.235+/-16.767 χ^2/NDF: 77.9/61



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 94.991+/-0.020 χ^2/NDF:226598.4/13

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 94.746+/-0.021 χ^2/NDF:161320.3/12

Left: 94.870+/-0.014 χ^2/NDF: 387990.2/26

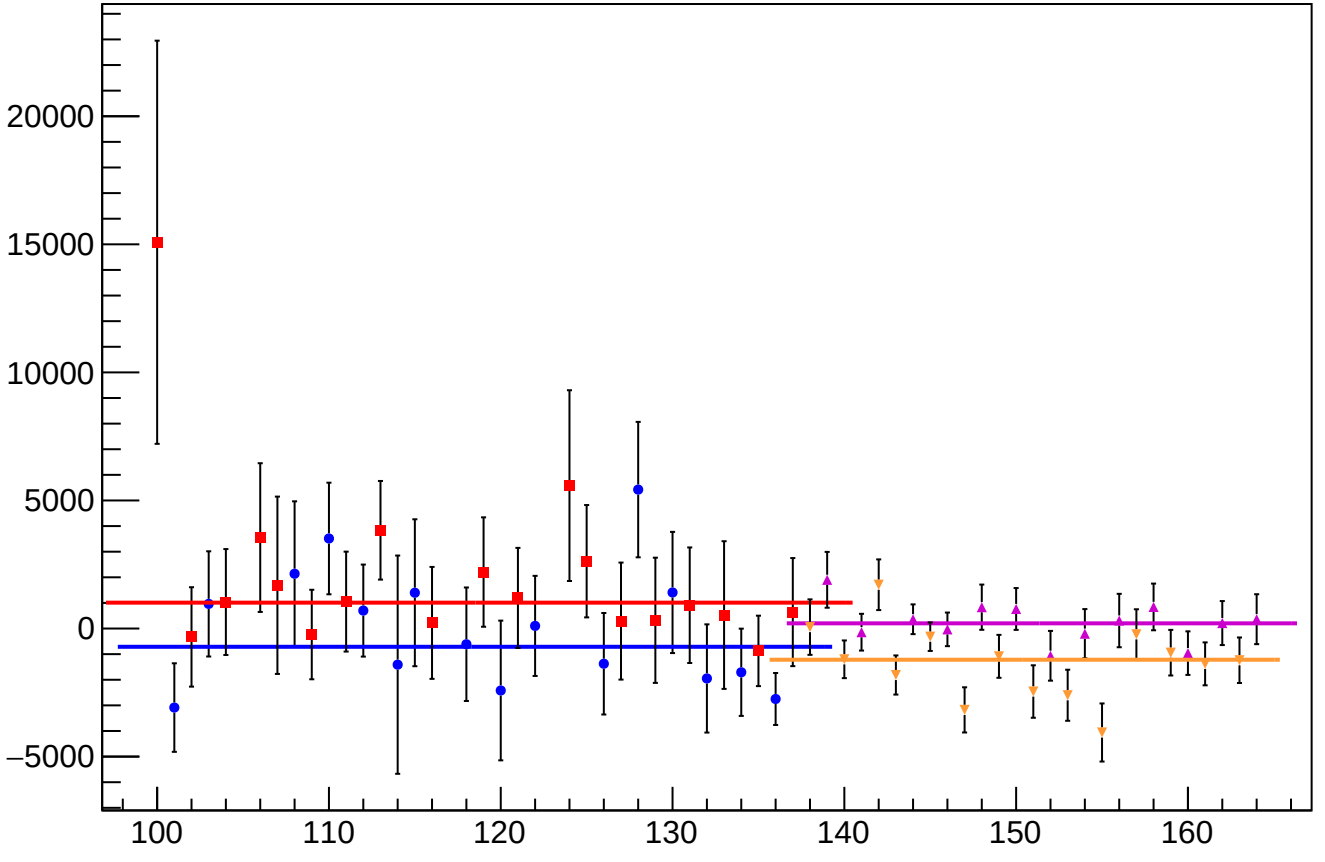
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 99.043+/-0.017 χ^2/NDF:775907.6/28

Out: 99.781+/-0.017 χ^2/NDF:888689.2/32

All: 99.413+/-0.012 χ^2/NDF: 1665566.4/61

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: -1217.869+/-228.791 χ^2/NDF:29.2/13

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 202.972+/-229.929 χ^2/NDF:8.1/12

Left: -510.974+/-162.181 χ^2/NDF: 56.5/26

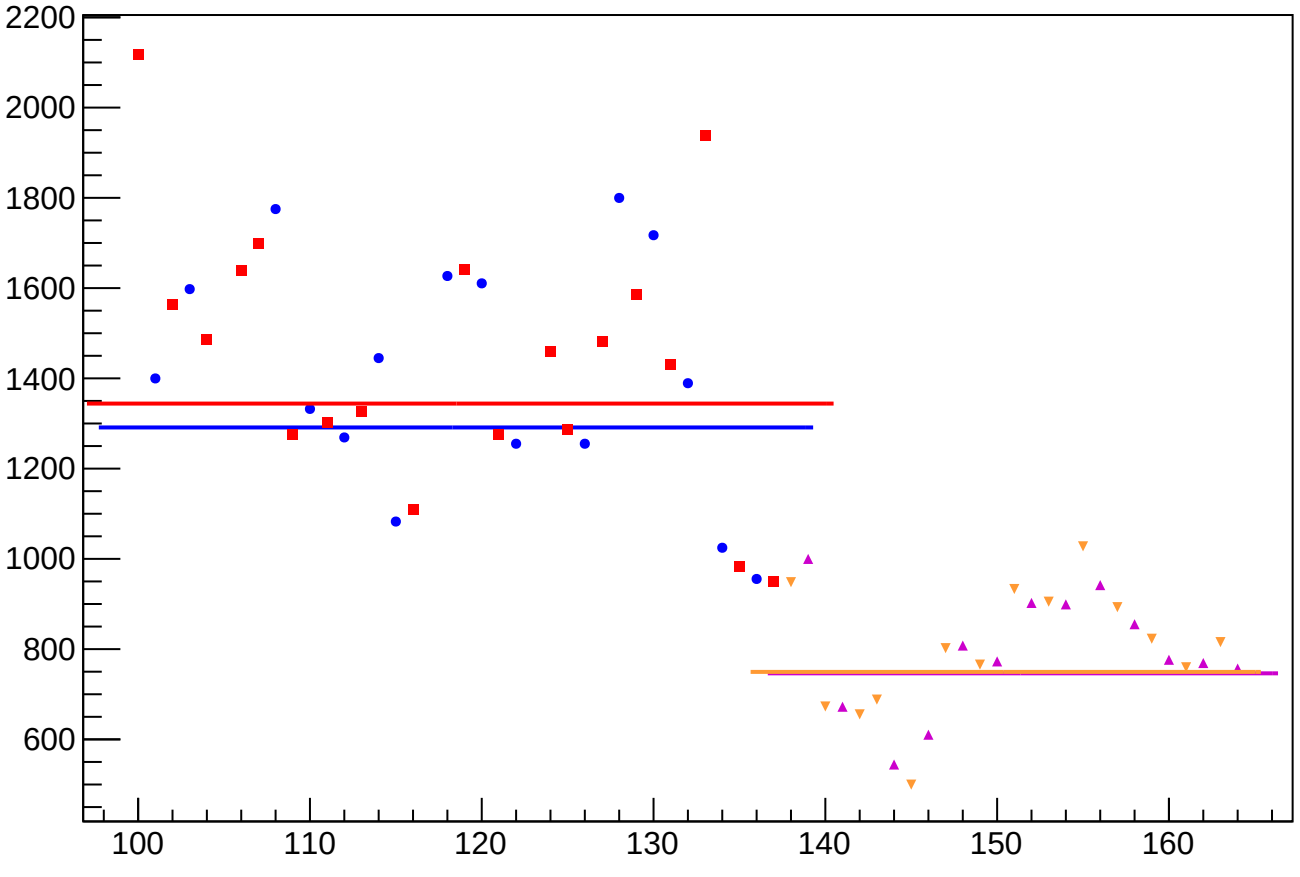
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 39.486+/-208.399 χ^2/NDF:31.1/28

Out: -833.806+/-208.144 χ^2/NDF:57.3/32

All: -397.696+/-147.270 χ^2/NDF: 97.1/61

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: 749.546+/-0.162 χ^2/NDF:831985.0/13

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 746.359+/-0.163 χ^2/NDF:674434.7/12

Left: 747.961+/-0.115 χ^2/NDF: 1506612.8/26

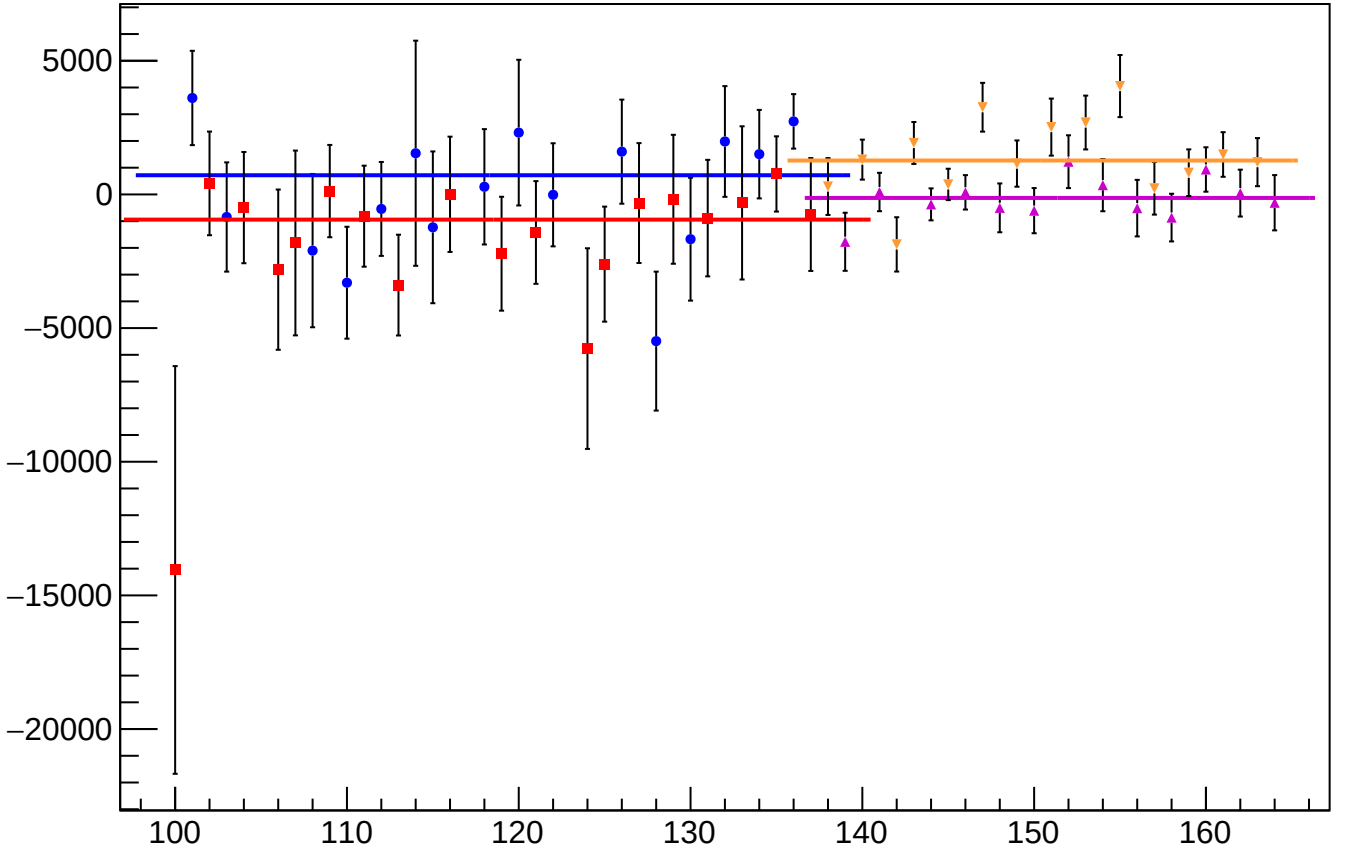
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 843.621+/-0.147 χ^2/NDF:3290115.8/28

Out: 852.019+/-0.147 χ^2/NDF:3650827.9/32

All: 847.825+/-0.104 χ^2/NDF: 6942569.7/61

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1268.961+/-233.558 χ^2/NDF:28.8/13

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -131.303+/-232.531 χ^2/NDF:7.8/12

Left: 565.744+/-164.786 χ^2/NDF: 54.6/26

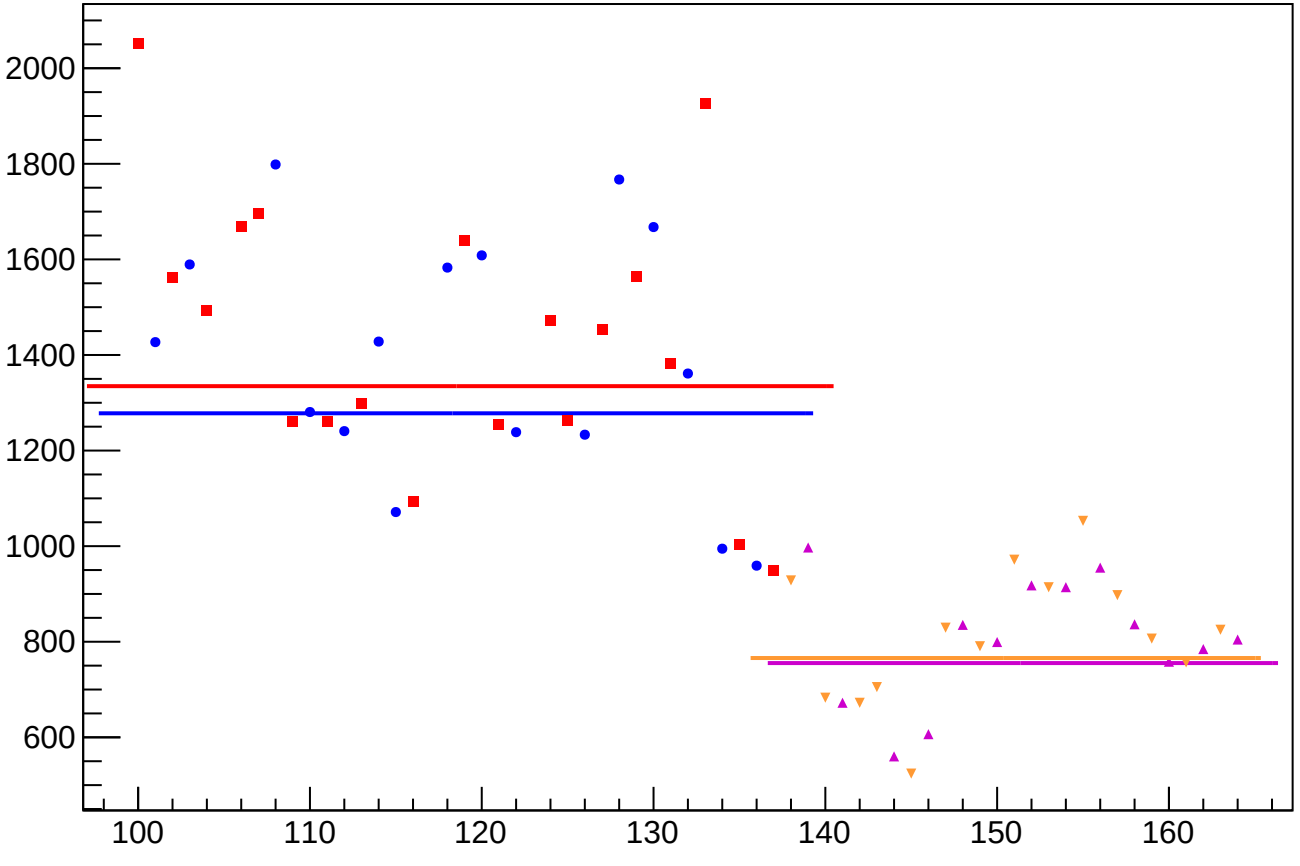
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 25.654+/-209.937 χ^2/NDF:31.2/28

Out: 870.345+/-211.461 χ^2/NDF:55.5/32

All: 444.944+/-148.984 χ^2/NDF: 94.8/61

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 765.938+/-0.165 χ^2/NDF:740177.7/13

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 755.364+/-0.164 χ^2/NDF:667579.9/12

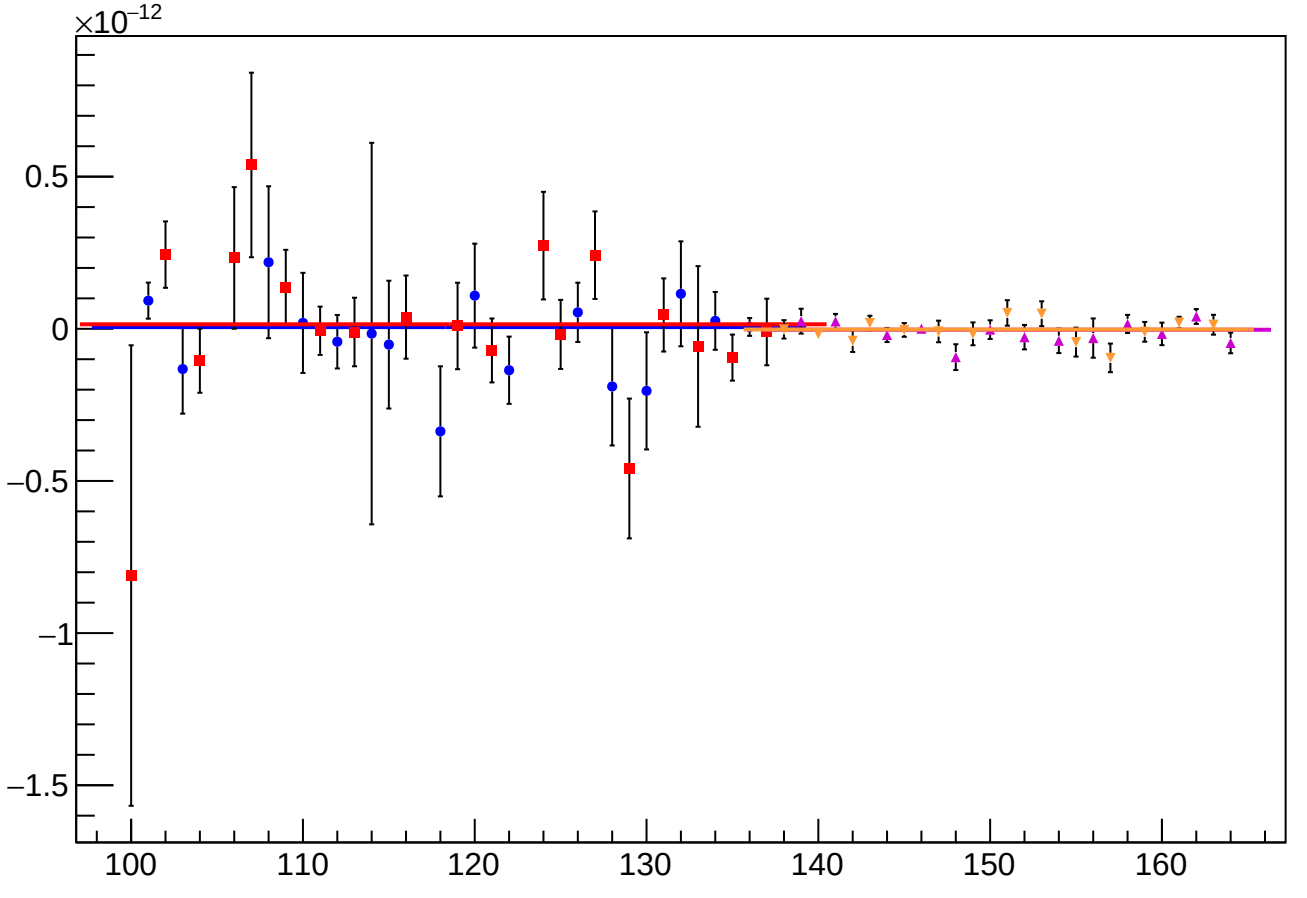
Left: 760.628+/-0.117 χ^2/NDF: 1409816.1/26

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 851.991+/-0.148 χ^2/NDF:3133107.4/28

Out: 868.480+/-0.150 χ^2/NDF:3350678.2/32

All: 860.176+/-0.105 χ^2/NDF: 6489910.0/61



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/12

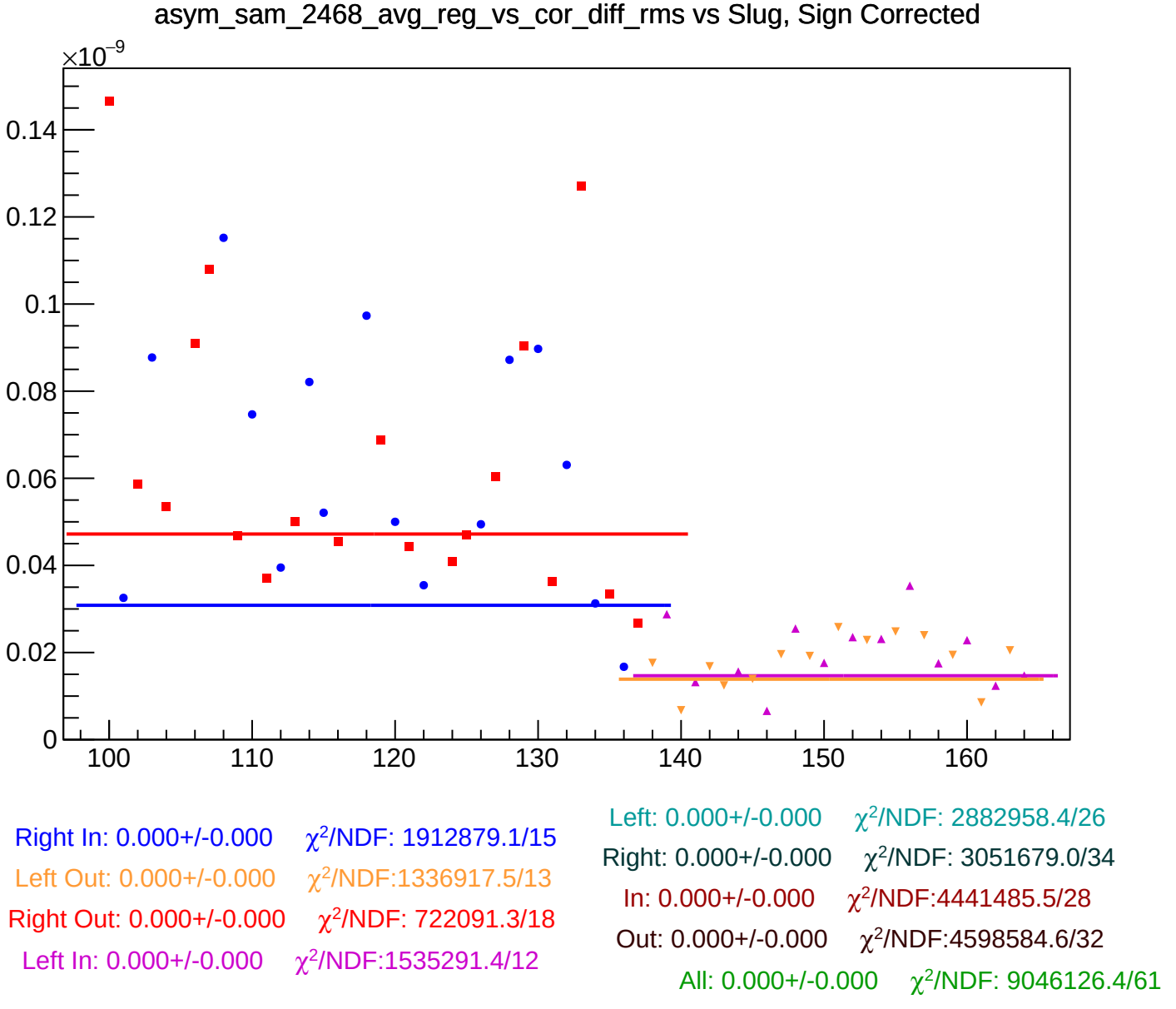
Left: -0.000+/-0.000 χ^2/NDF: 26.2/26

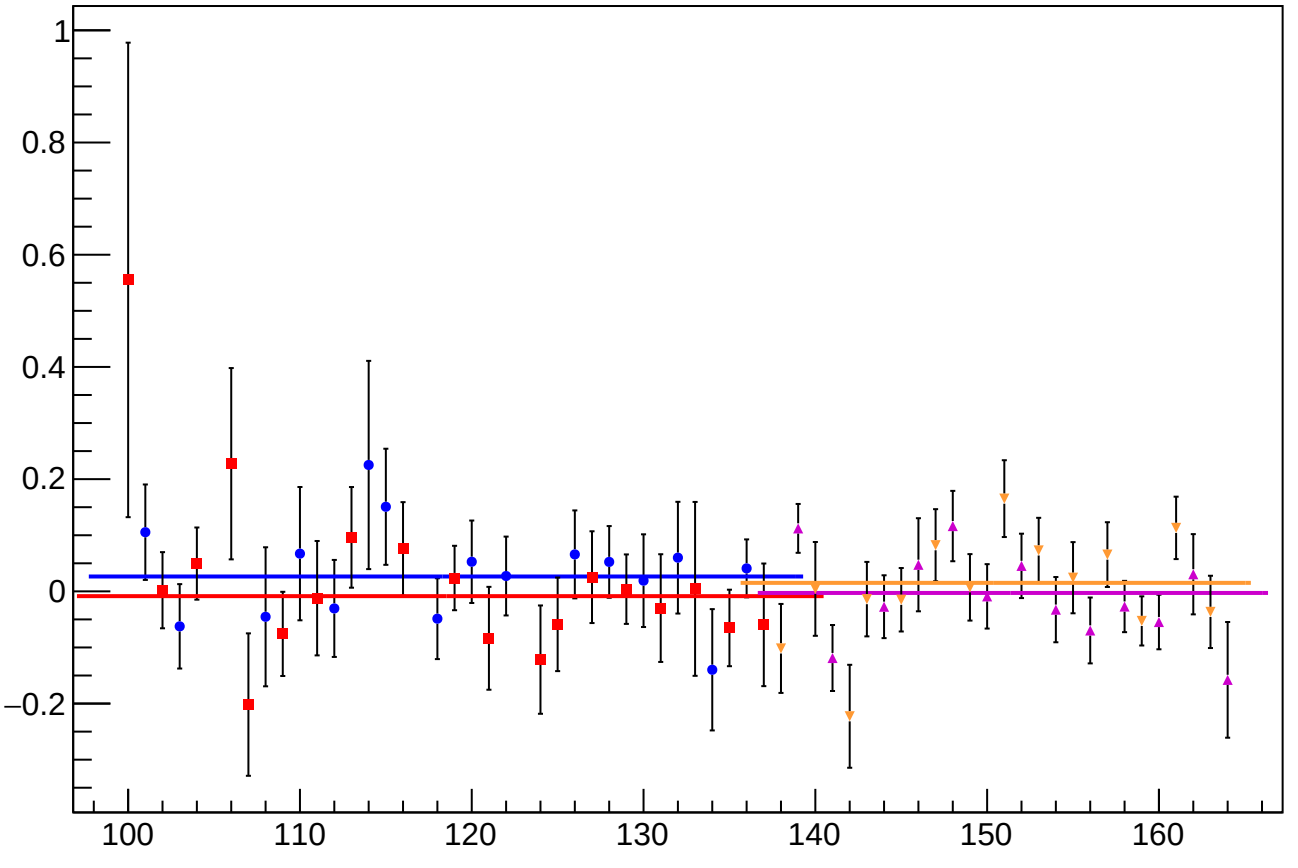
Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:25.3/28

Out: -0.000+/-0.000 χ^2/NDF:36.8/32

All: -0.000+/-0.000 χ^2/NDF: 62.1/61


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1912879.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1336917.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 722091.3/18
Left In: 0.000+/-0.000 χ²/NDF:1535291.4/12
Left: 0.000+/-0.000 χ²/NDF: 2882958.4/26
Right: 0.000+/-0.000 χ²/NDF: 3051679.0/34
In: 0.000+/-0.000 χ²/NDF:4441485.5/28
Out: 0.000+/-0.000 χ²/NDF:4598584.6/32
All: 0.000+/-0.000 χ²/NDF: 9046126.4/61



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.017 χ^2/NDF:23.2/13

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.016 χ^2/NDF:21.2/12

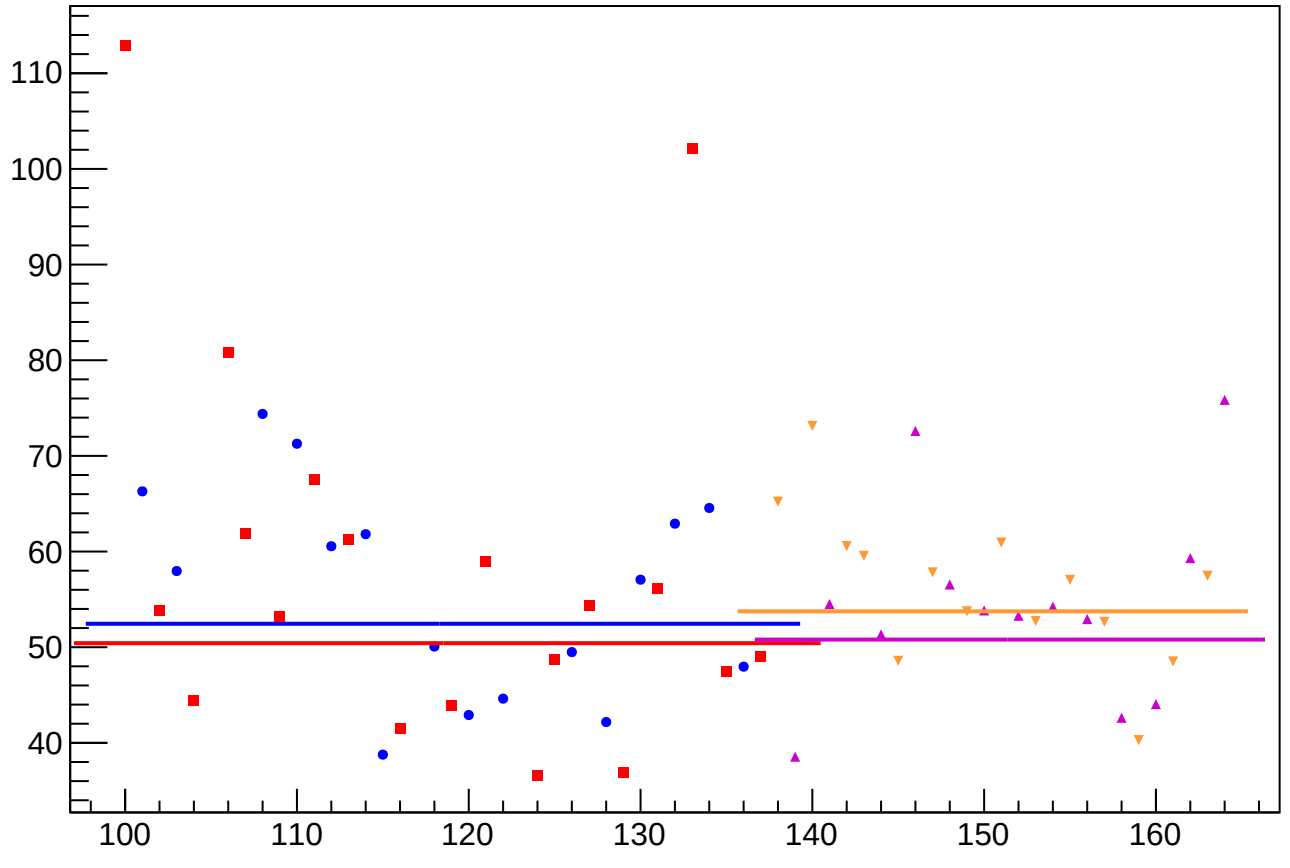
Left: 0.006+/-0.012 χ^2/NDF: 45.0/26

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.008+/-0.013 χ^2/NDF:32.4/28

Out: 0.005+/-0.013 χ^2/NDF:38.0/32

All: 0.007+/-0.009 χ^2/NDF: 70.5/61



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.751+/-0.012 χ^2/NDF:442535.4/13

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.798+/-0.011 χ^2/NDF:589388.8/12

Left: 52.218+/-0.008 χ^2/NDF: 1064790.2/26

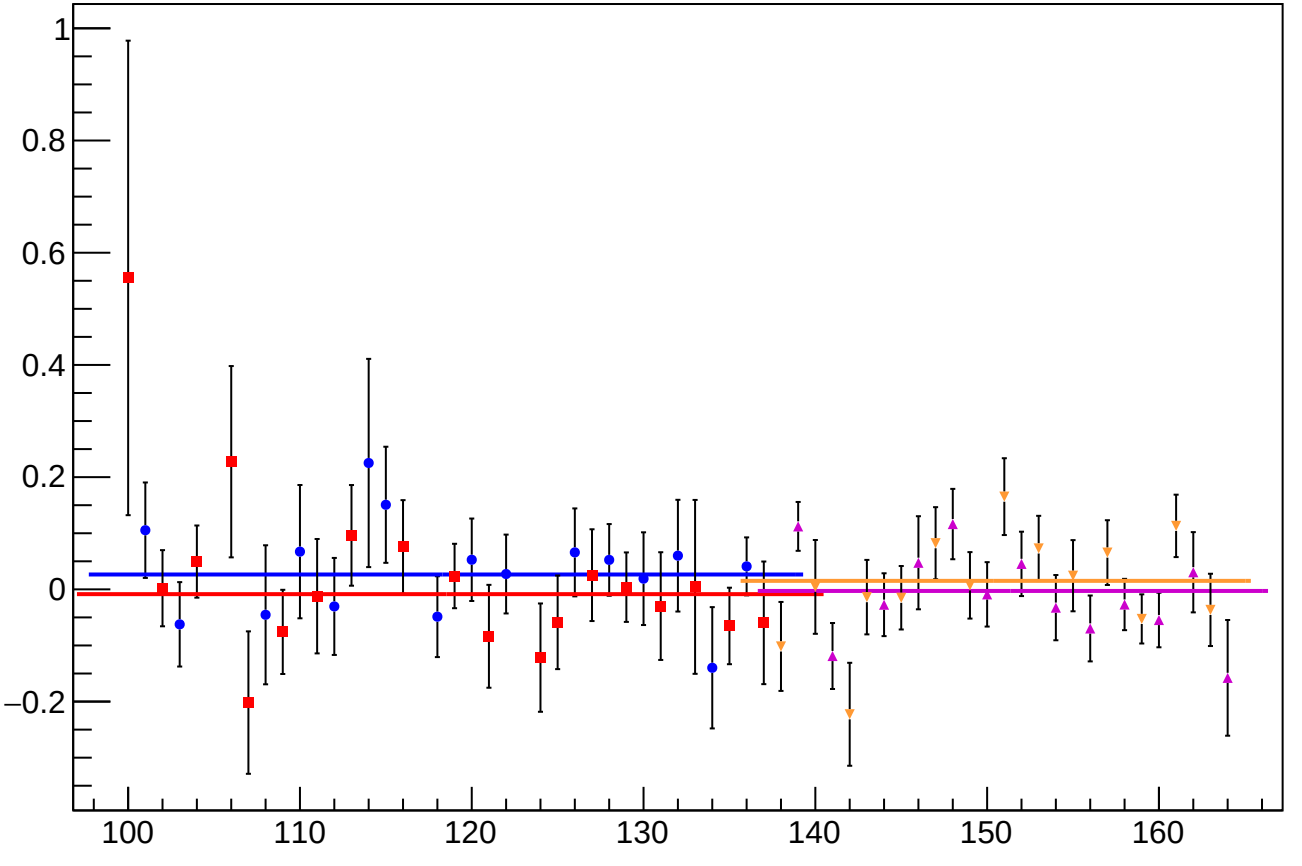
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.426+/-0.009 χ^2/NDF:1015541.5/28

Out: 52.351+/-0.009 χ^2/NDF:1153109.8/32

All: 51.887+/-0.006 χ^2/NDF: 2174035.3/61

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.017 χ^2/NDF:23.2/13

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.016 χ^2/NDF:21.2/12

Left: 0.006+/-0.012 χ^2/NDF: 45.0/26

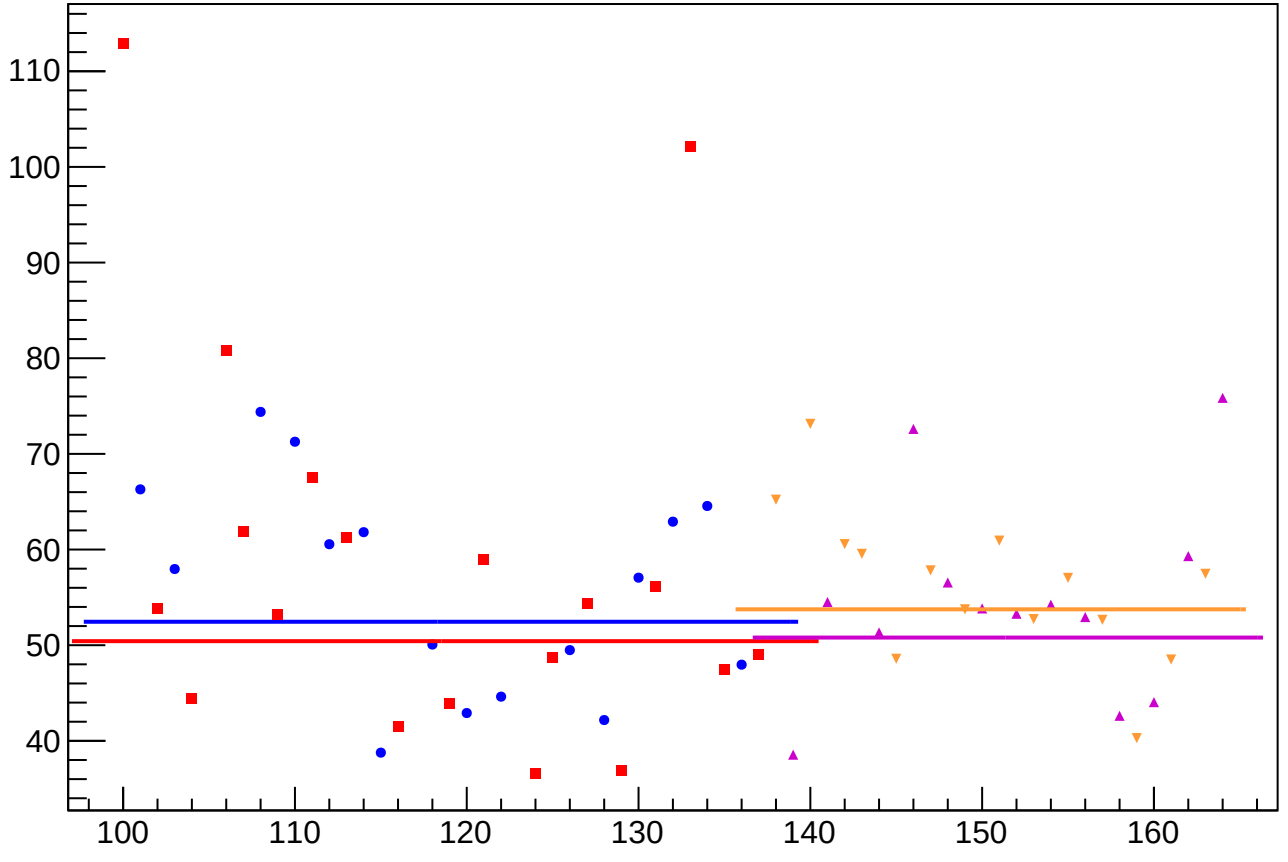
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.008+/-0.013 χ^2/NDF:32.4/28

Out: 0.005+/-0.013 χ^2/NDF:38.0/32

All: 0.007+/-0.009 χ^2/NDF: 70.5/61

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: 53.751+/-0.012 χ^2/NDF:442535.4/13

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.798+/-0.011 χ^2/NDF:589388.8/12

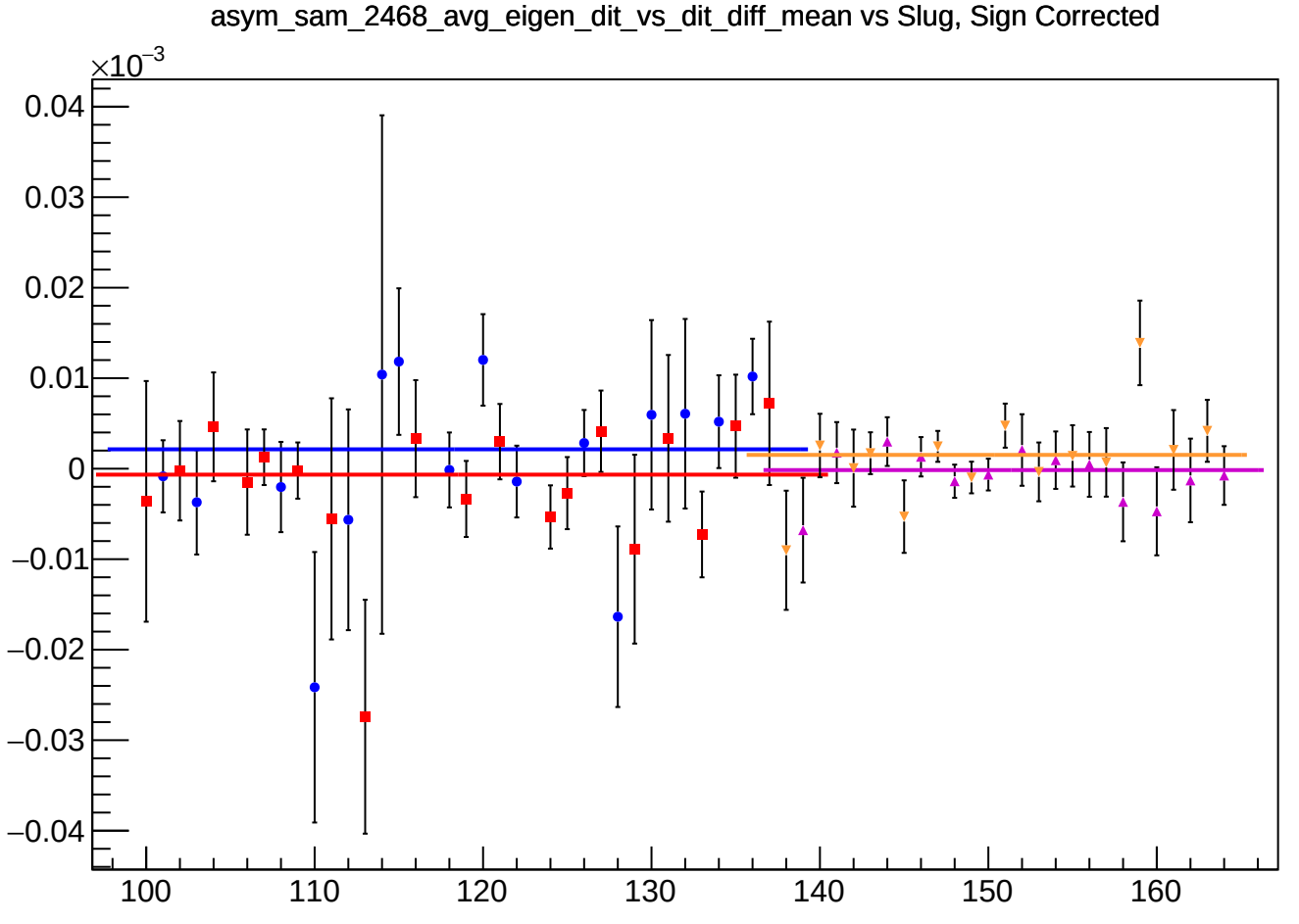
Left: 52.218+/-0.008 χ^2/NDF: 1064790.2/26

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.426+/-0.009 χ^2/NDF:1015541.5/28

Out: 52.351+/-0.009 χ^2/NDF:1153109.8/32

All: 51.887+/-0.006 χ^2/NDF: 2174035.3/61



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.1/12

Left: 0.000+/-0.000 χ^2/NDF: 26.2/26

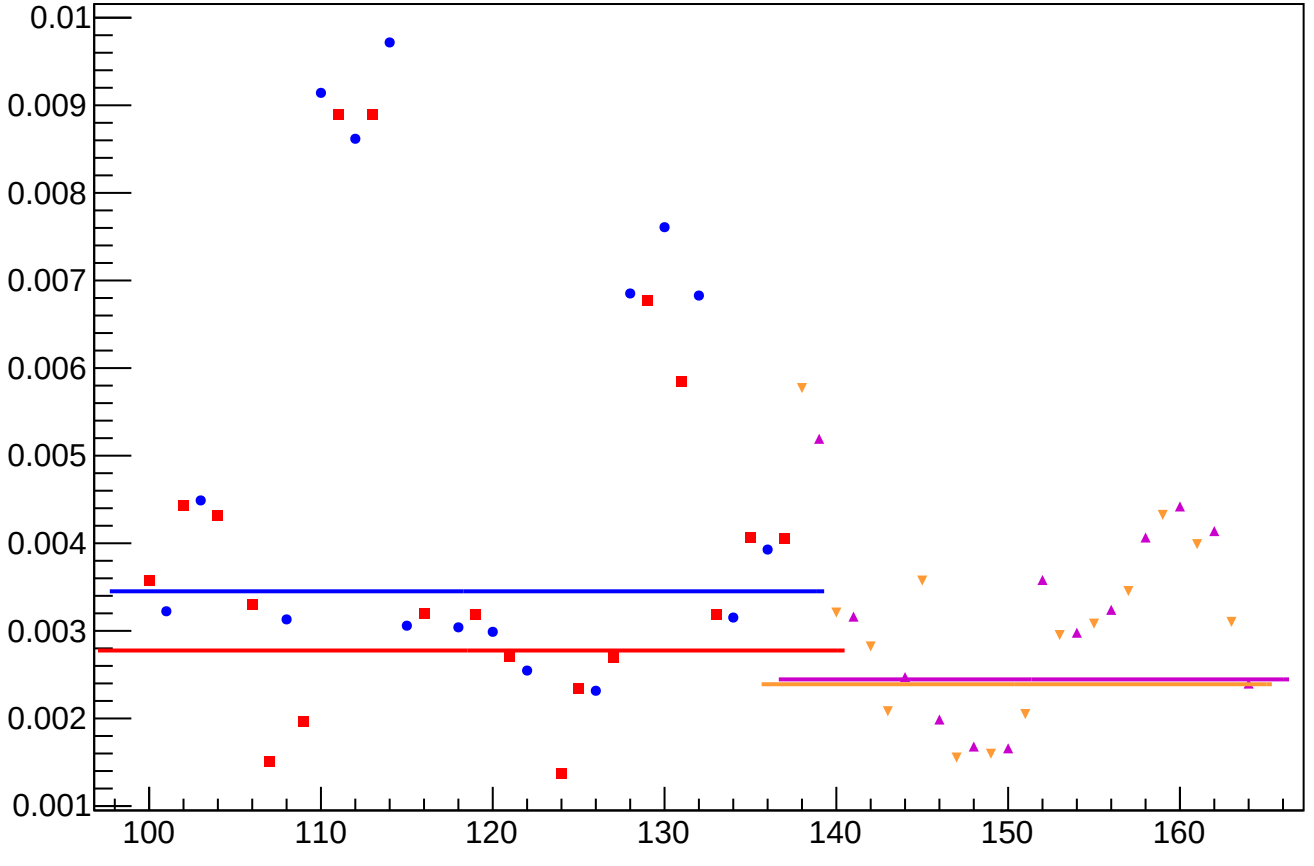
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:28.2/28

Out: 0.000+/-0.000 χ^2/NDF:35.1/32

All: 0.000+/-0.000 χ^2/NDF: 63.5/61

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2791444.5/13

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:2575766.2/12

Left: 0.002+/-0.000 χ^2/NDF: 5372200.4/26

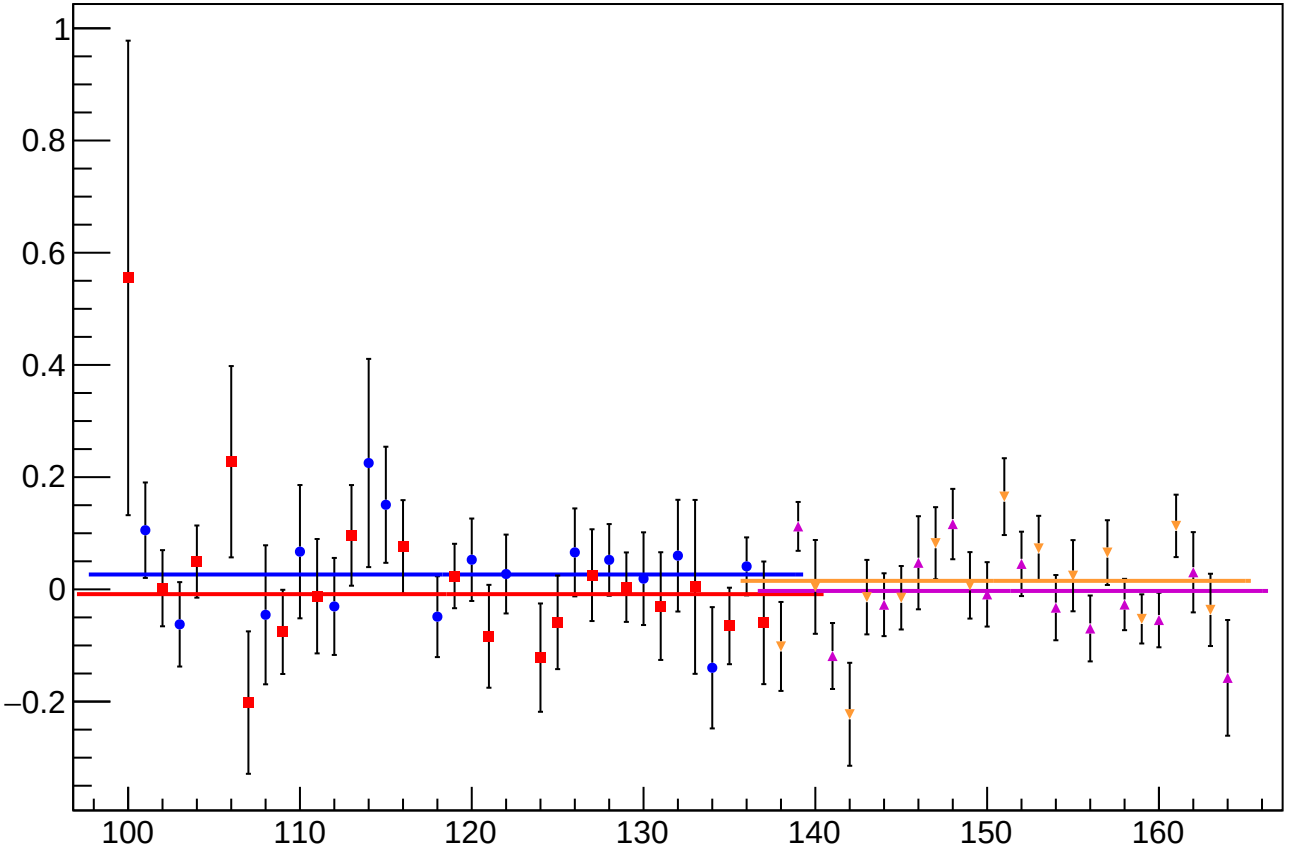
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5317465.8/28

Out: 0.003+/-0.000 χ^2/NDF:5681470.5/32

All: 0.003+/-0.000 χ^2/NDF: 11077213.2/61

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.017 χ^2/NDF:23.2/13

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.016 χ^2/NDF:21.2/12

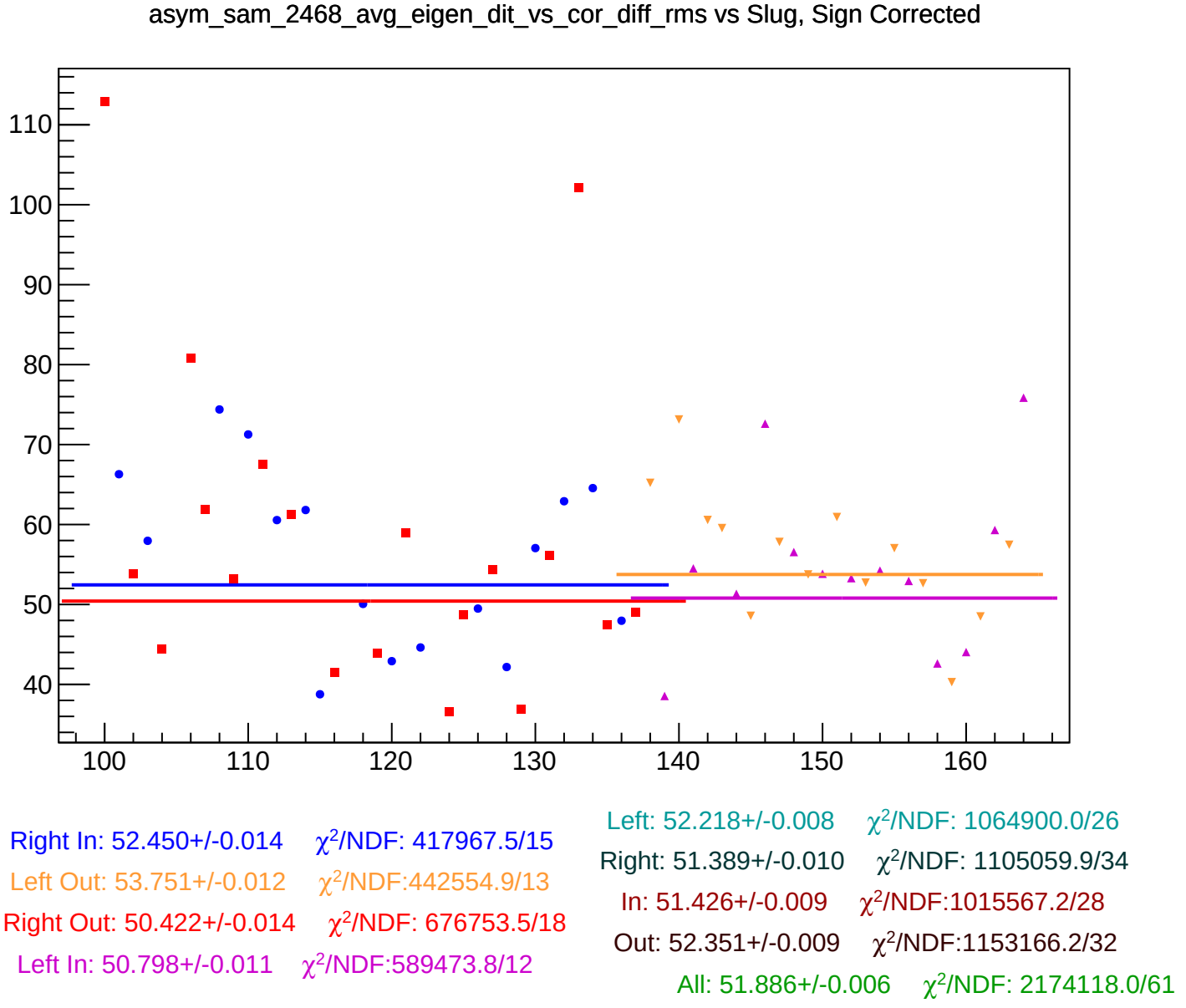
Left: 0.006+/-0.012 χ^2/NDF: 45.0/26

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

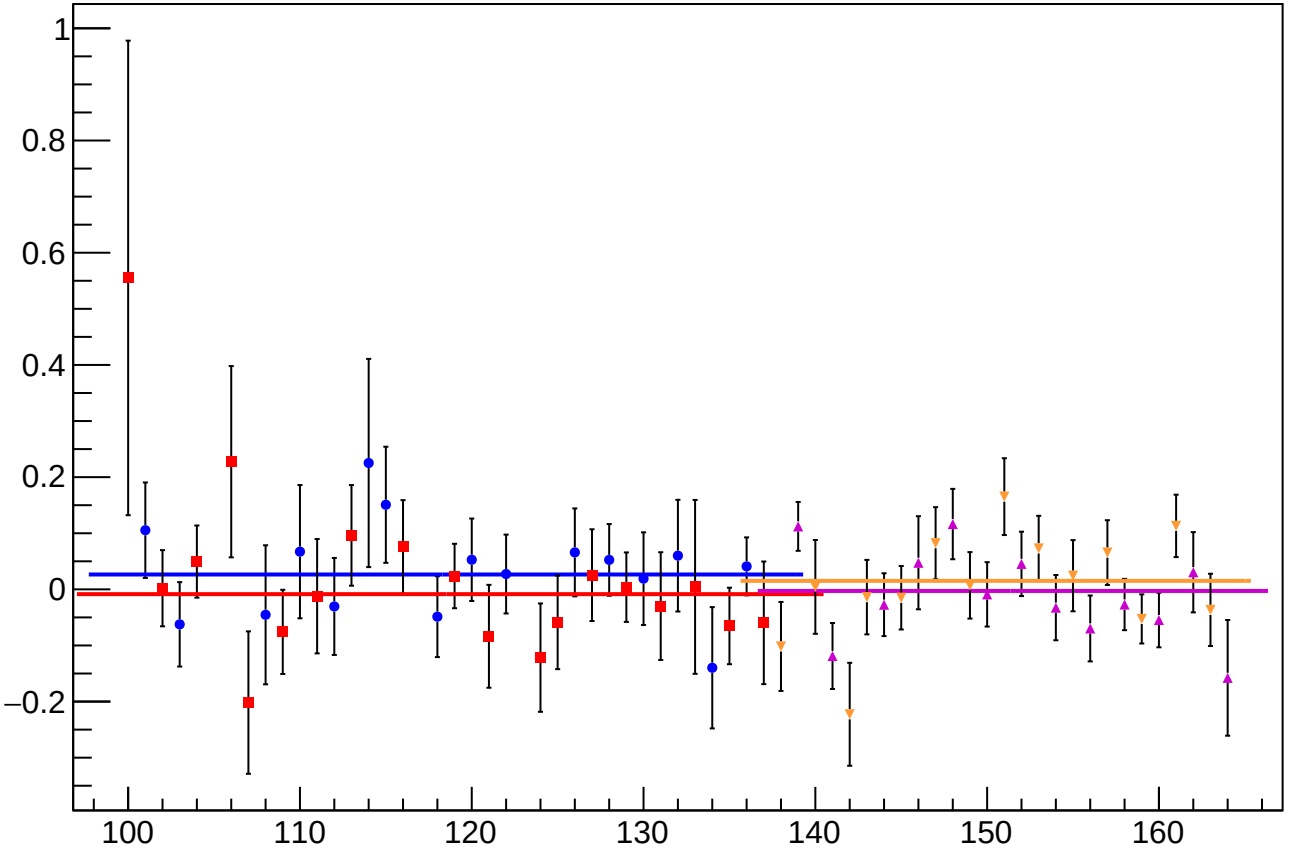
In: 0.008+/-0.013 χ^2/NDF:32.4/28

Out: 0.005+/-0.013 χ^2/NDF:38.0/32

All: 0.007+/-0.009 χ^2/NDF: 70.5/61


asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
110
100
90
80
70
60
50
40
100
110
120
130
140
150
160
Right In: 52.450+/-0.014 χ²/NDF: 417967.5/15
Left Out: 53.751+/-0.012 χ²/NDF:442554.9/13
Right Out: 50.422+/-0.014 χ²/NDF: 676753.5/18
Left In: 50.798+/-0.011 χ²/NDF:589473.8/12
Left: 52.218+/-0.008 χ²/NDF: 1064900.0/26
Right: 51.389+/-0.010 χ²/NDF: 1105059.9/34
In: 51.426+/-0.009 χ²/NDF:1015567.2/28
Out: 52.351+/-0.009 χ²/NDF:1153166.2/32
All: 51.886+/-0.006 χ²/NDF: 2174118.0/61

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.017 χ^2/NDF:23.2/13

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.016 χ^2/NDF:21.2/12

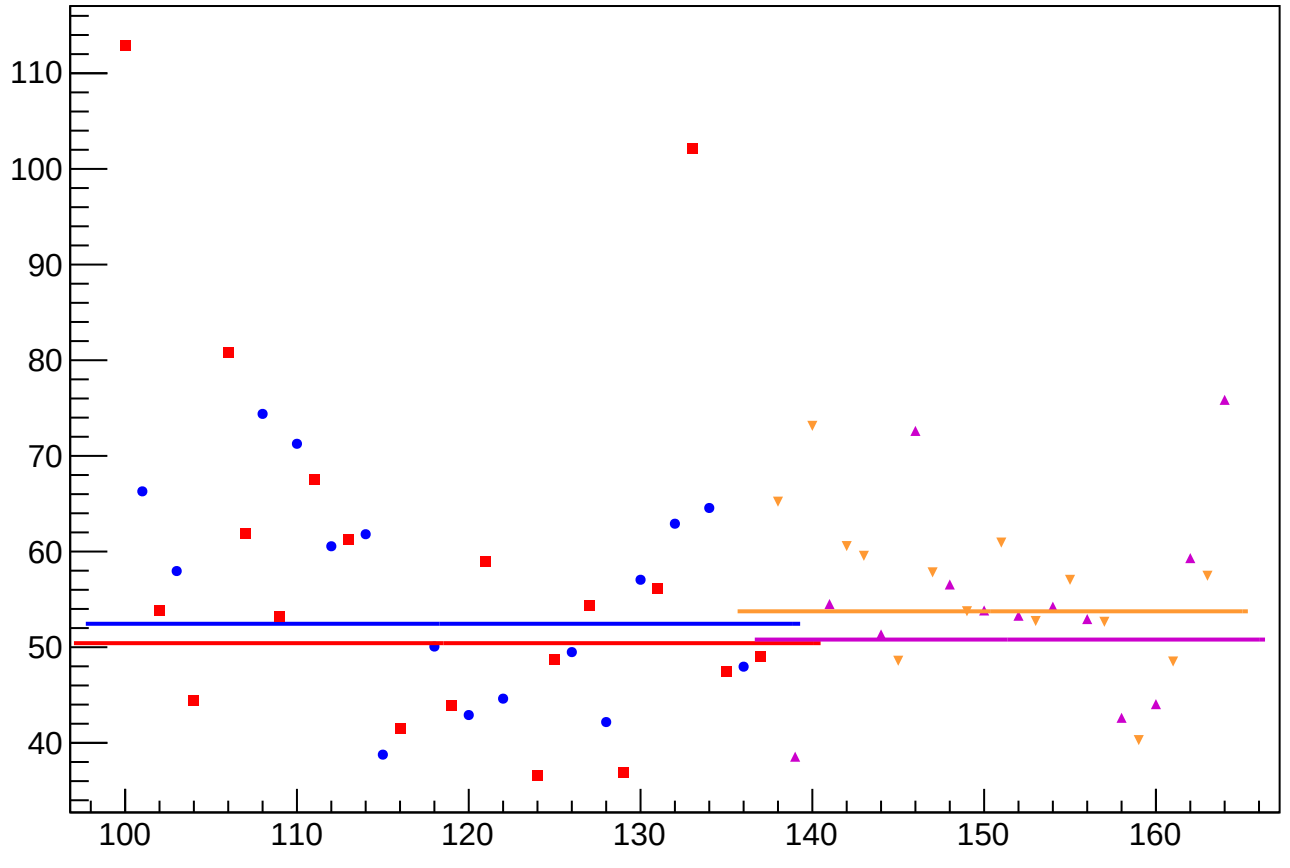
Left: 0.006+/-0.012 χ^2/NDF: 45.0/26

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.008+/-0.013 χ^2/NDF:32.4/28

Out: 0.005+/-0.013 χ^2/NDF:38.0/32

All: 0.007+/-0.009 χ^2/NDF: 70.5/61



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.751+/-0.012 χ^2/NDF:442554.9/13

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.798+/-0.011 χ^2/NDF:589473.8/12

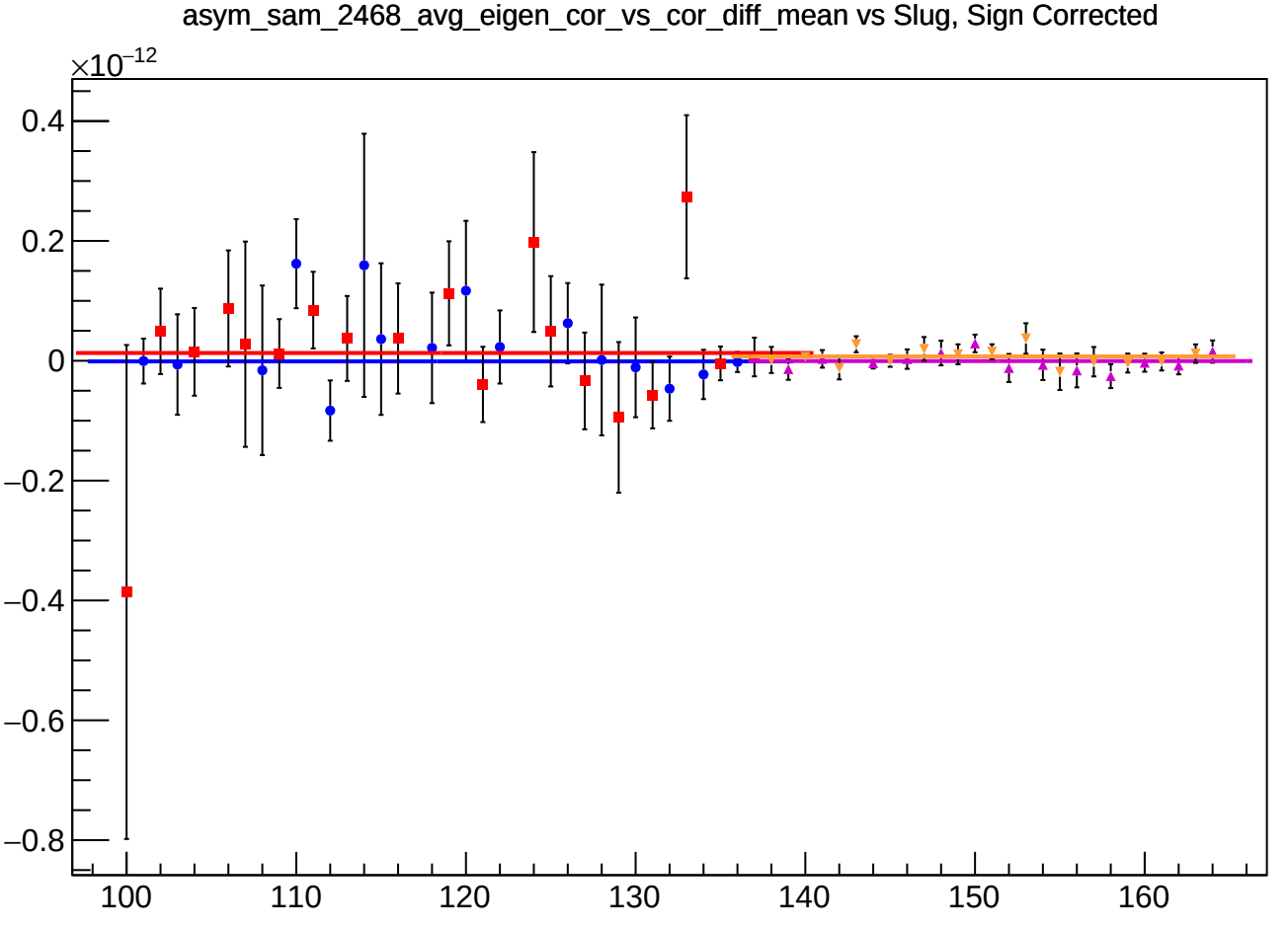
Left: 52.218+/-0.008 χ^2/NDF: 1064900.0/26

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.426+/-0.009 χ^2/NDF:1015567.2/28

Out: 52.351+/-0.009 χ^2/NDF:1153166.2/32

All: 51.886+/-0.006 χ^2/NDF: 2174118.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/12

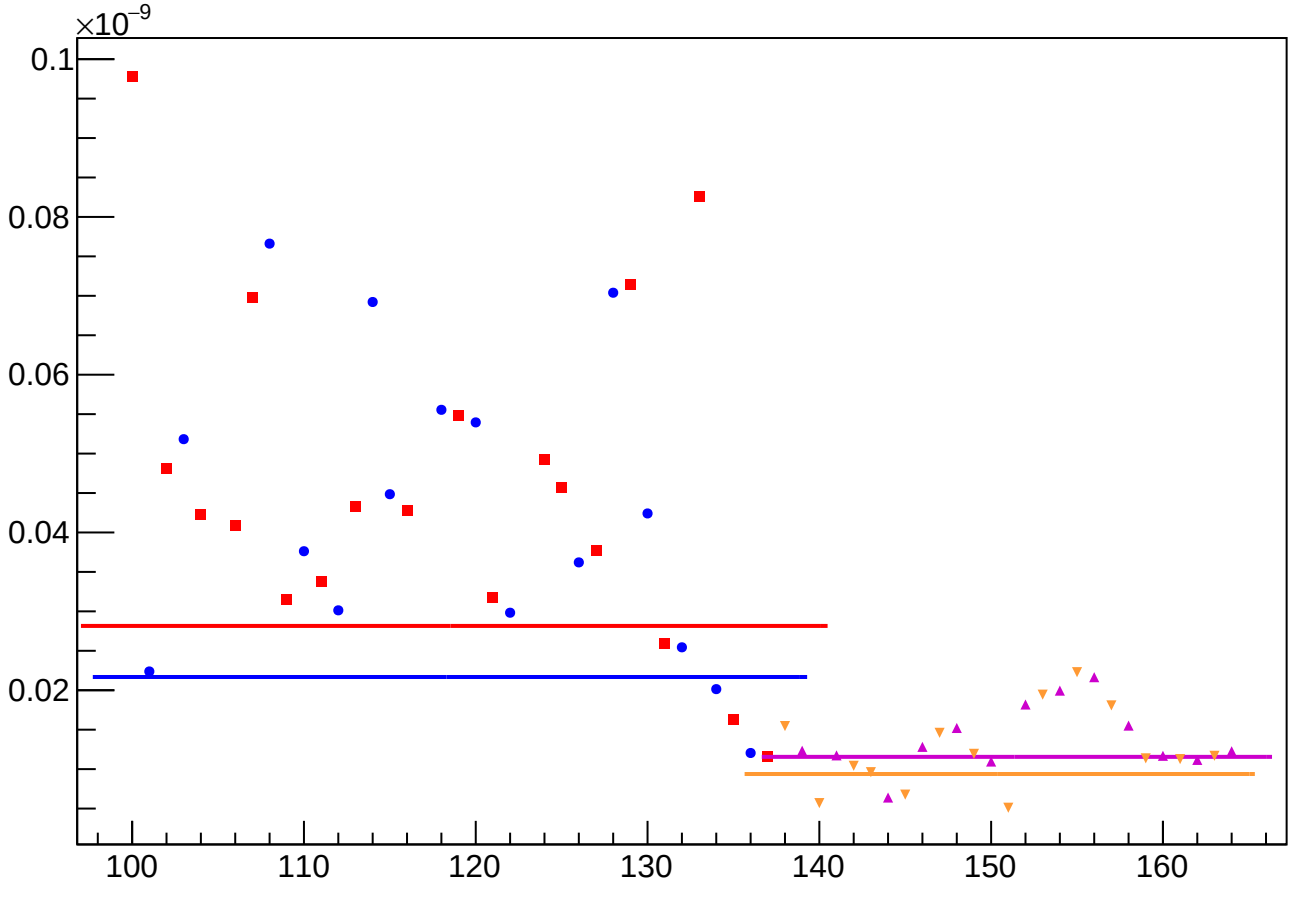
Left: 0.000+/-0.000 χ^2/NDF: 18.0/26

Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: -0.000+/-0.000 χ^2/NDF:19.7/28

Out: 0.000+/-0.000 χ^2/NDF:21.7/32

All: 0.000+/-0.000 χ^2/NDF: 43.5/61



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2158844.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1444536.5/12

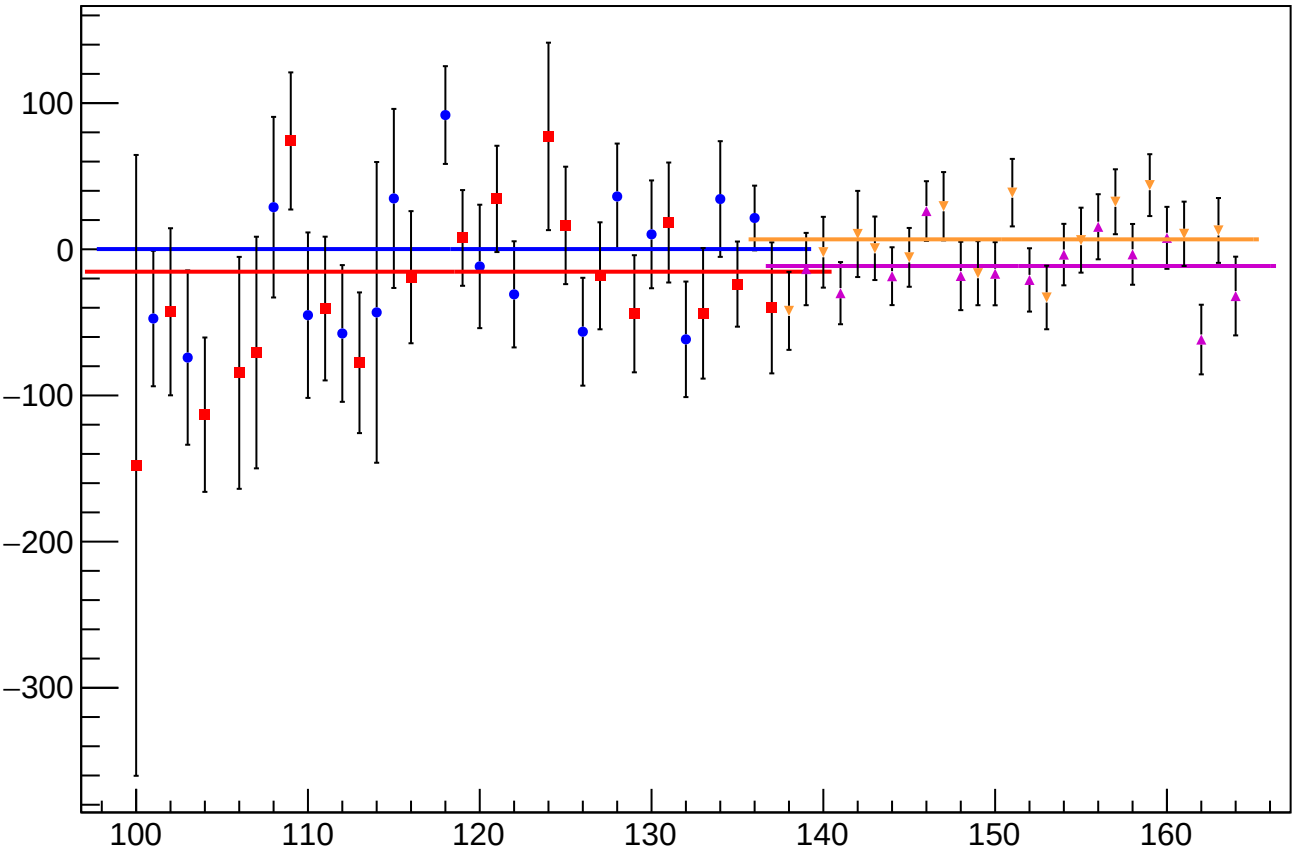
Left: 0.000+/-0.000 χ^2/NDF: 3869434.4/26

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:5219640.2/28

Out: 0.000+/-0.000 χ^2/NDF:7663234.0/32

All: 0.000+/-0.000 χ^2/NDF: 13168066.8/61



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.804+/-6.071 χ^2/NDF:15.8/13

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -11.435+/-6.101 χ^2/NDF:12.2/12

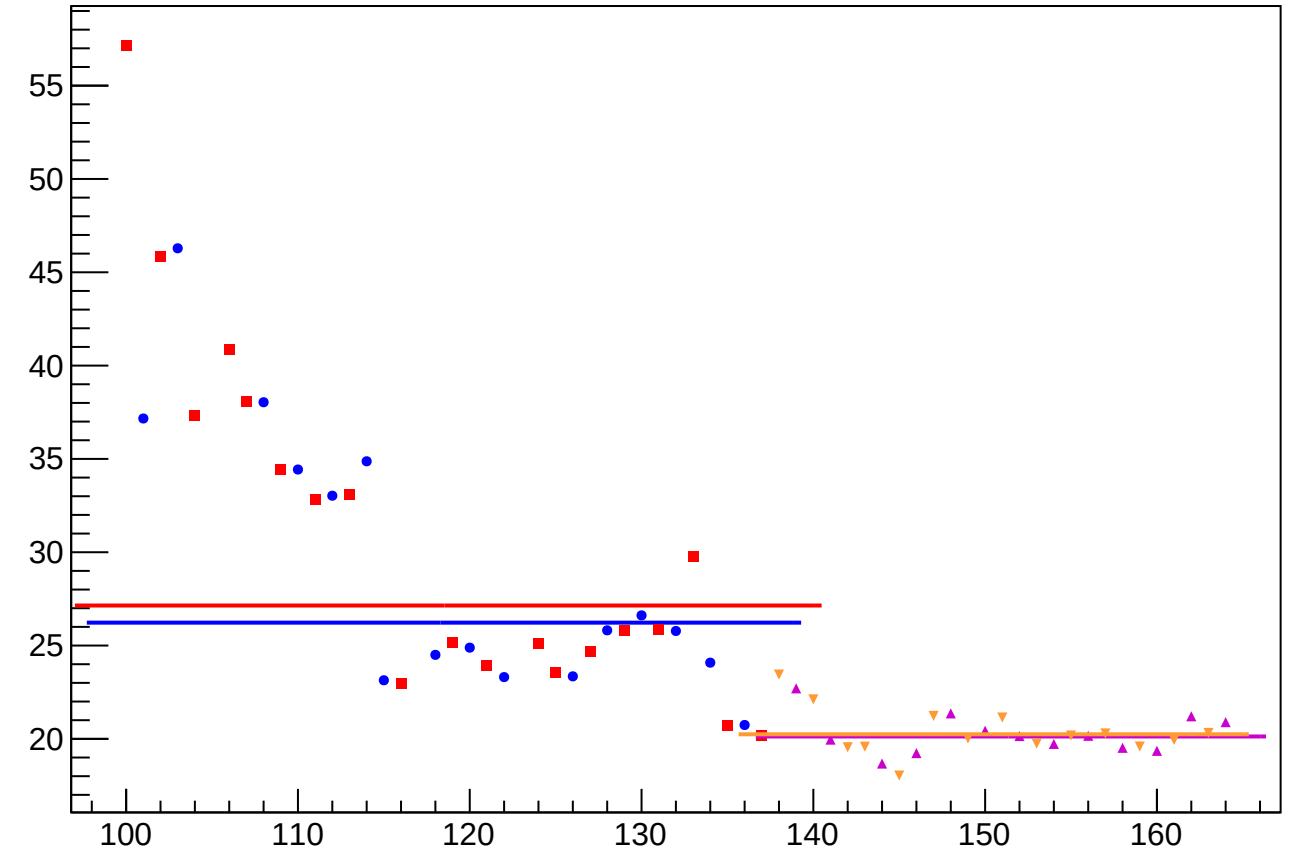
Left: -2.269+/-4.303 χ^2/NDF: 32.5/26

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -8.312+/-5.215 χ^2/NDF:34.5/28

Out: 1.070+/-5.225 χ^2/NDF:37.2/32

All: -3.631+/-3.691 χ^2/NDF: 73.3/61



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.245+/-0.004 χ^2/NDF:78025.8/13

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.128+/-0.004 χ^2/NDF:53232.8/12

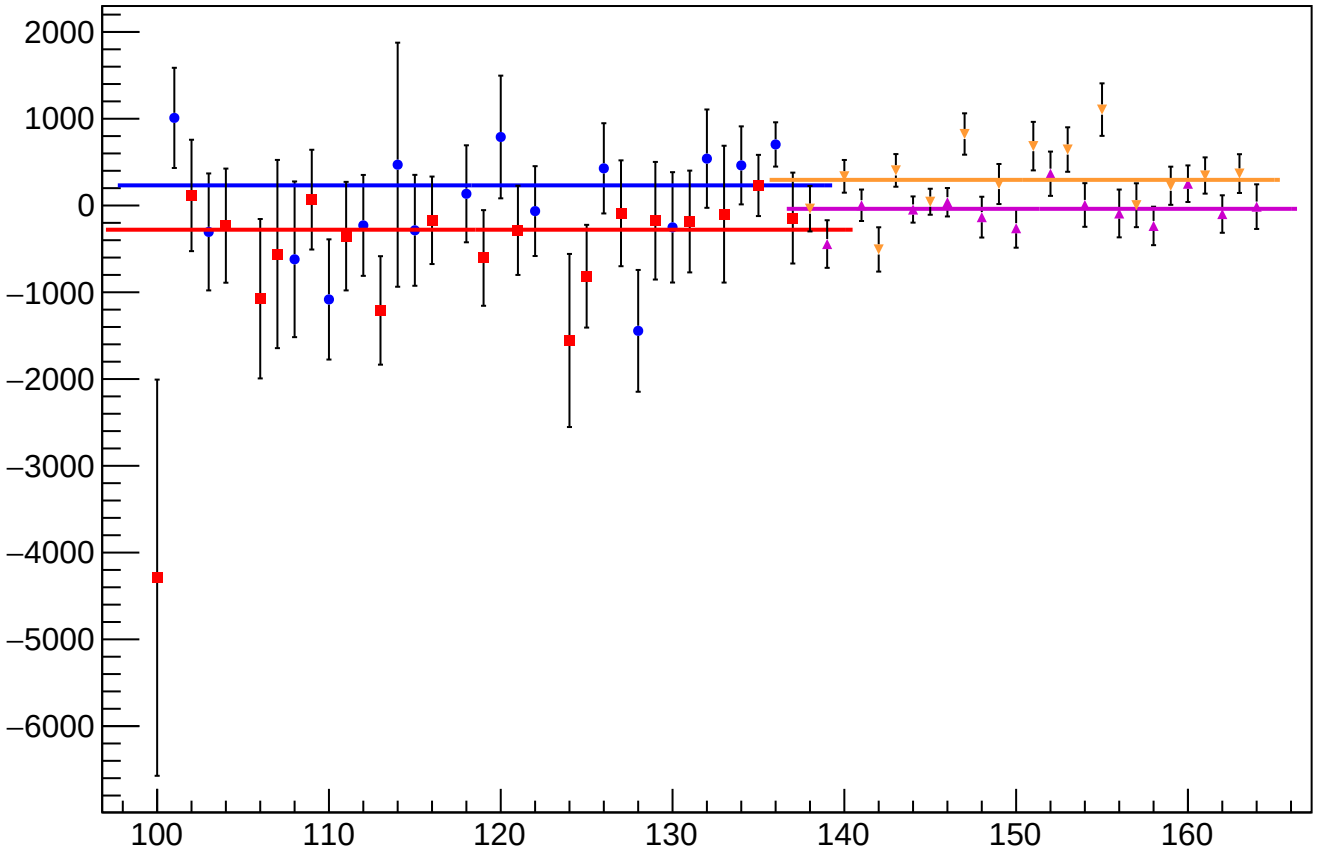
Left: 20.187+/-0.003 χ^2/NDF: 131627.4/26

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 21.771+/-0.004 χ^2/NDF:1267625.6/28

Out: 22.032+/-0.004 χ^2/NDF:1502859.7/32

All: 21.902+/-0.003 χ^2/NDF: 2772990.2/61



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 295.524+/-59.188 χ^2/NDF:32.2/13

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -38.364+/-59.088 χ^2/NDF:9.0/12

Left: 128.300+/-41.817 χ^2/NDF: 57.1/26

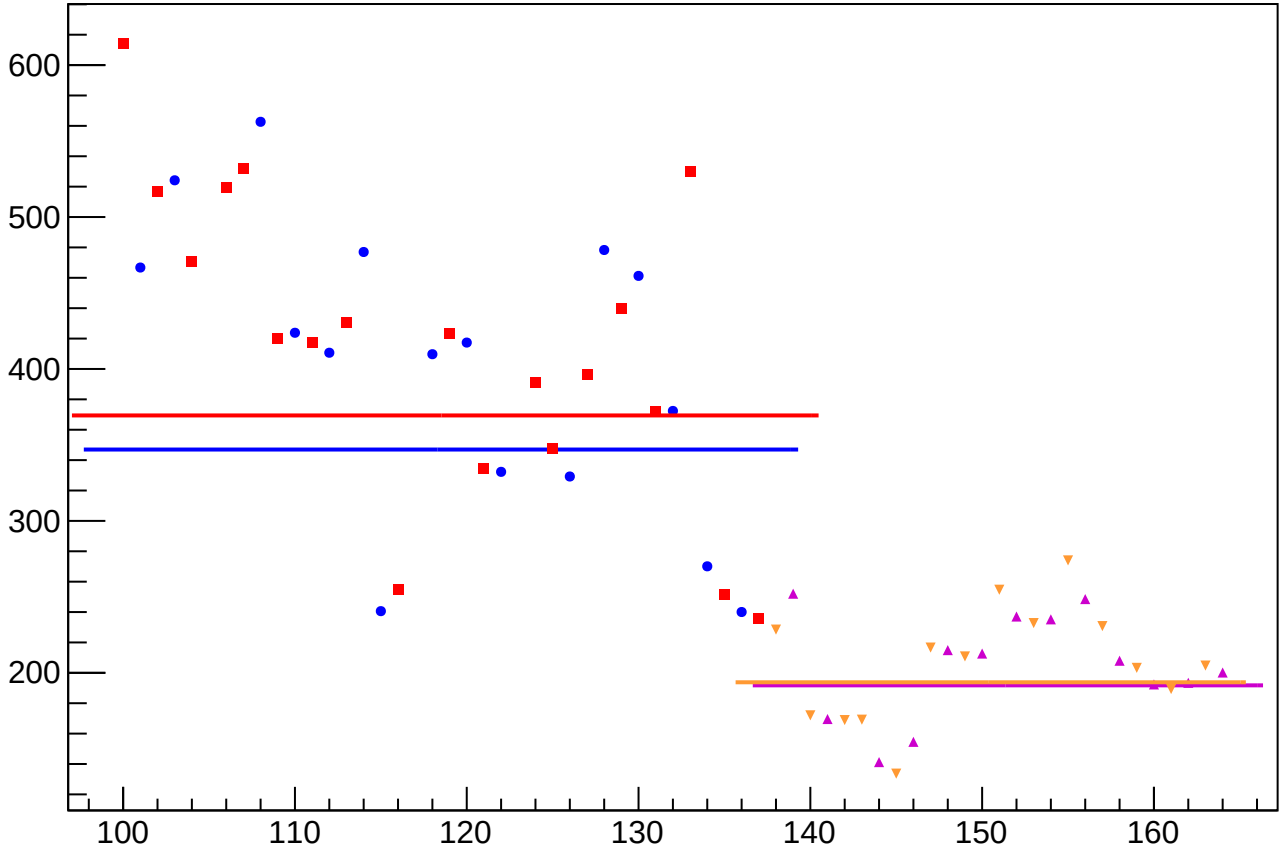
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 5.188+/-54.122 χ^2/NDF:32.0/28

Out: 208.365+/-54.514 χ^2/NDF:58.6/32

All: 106.044+/-38.408 χ^2/NDF: 97.5/61

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: 193.779+/-0.042 χ^2/NDF:800376.8/13

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 191.759+/-0.042 χ^2/NDF:710817.0/12

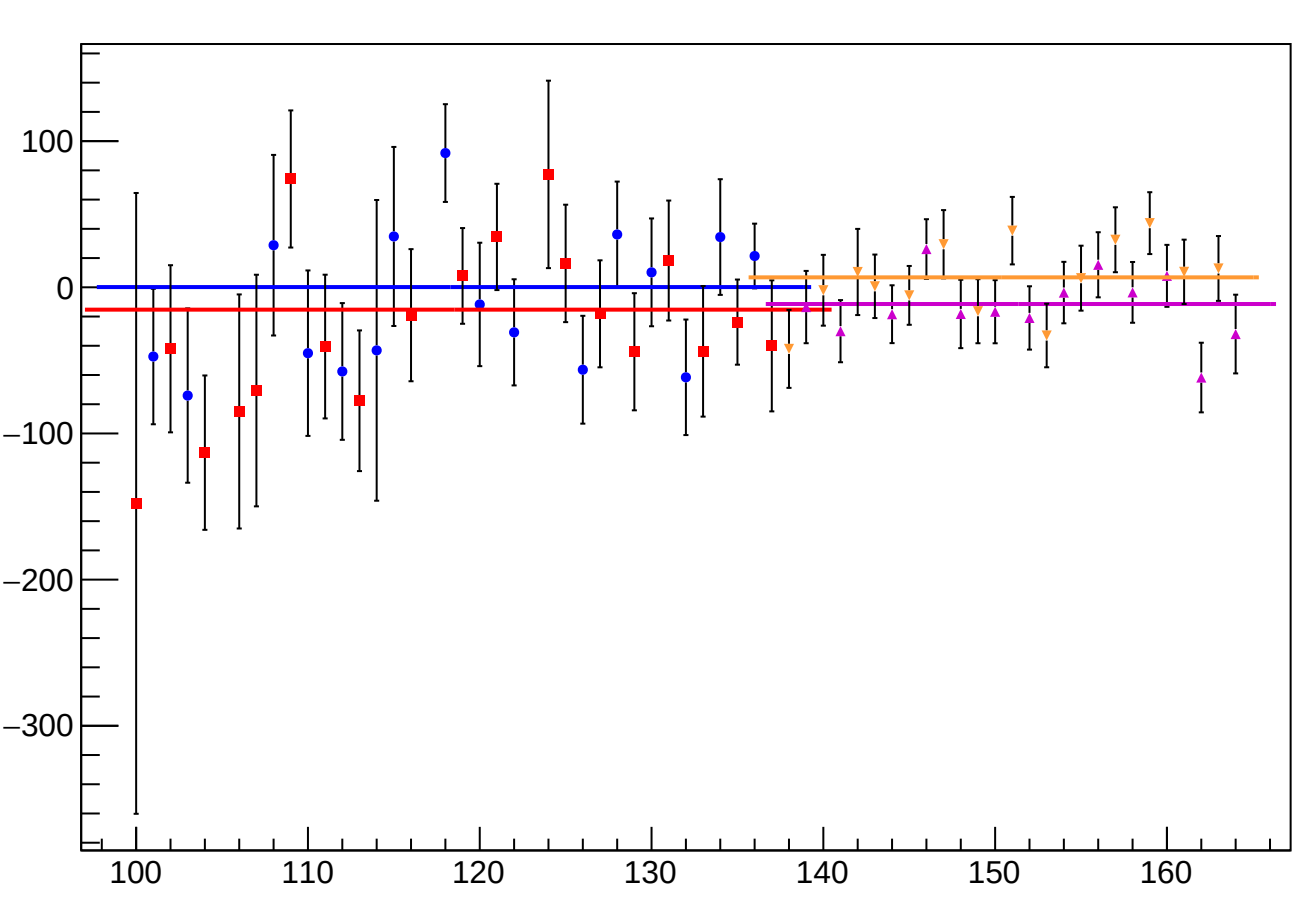
Left: 192.767+/-0.030 χ^2/NDF: 1512359.7/26

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 216.753+/-0.038 χ^2/NDF:3991015.6/28

Out: 220.421+/-0.039 χ^2/NDF:4390688.2/32

All: 218.574+/-0.027 χ^2/NDF: 8386263.7/61



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.803+/-6.071 χ^2/NDF:15.8/13

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -11.435+/-6.101 χ^2/NDF:12.2/12

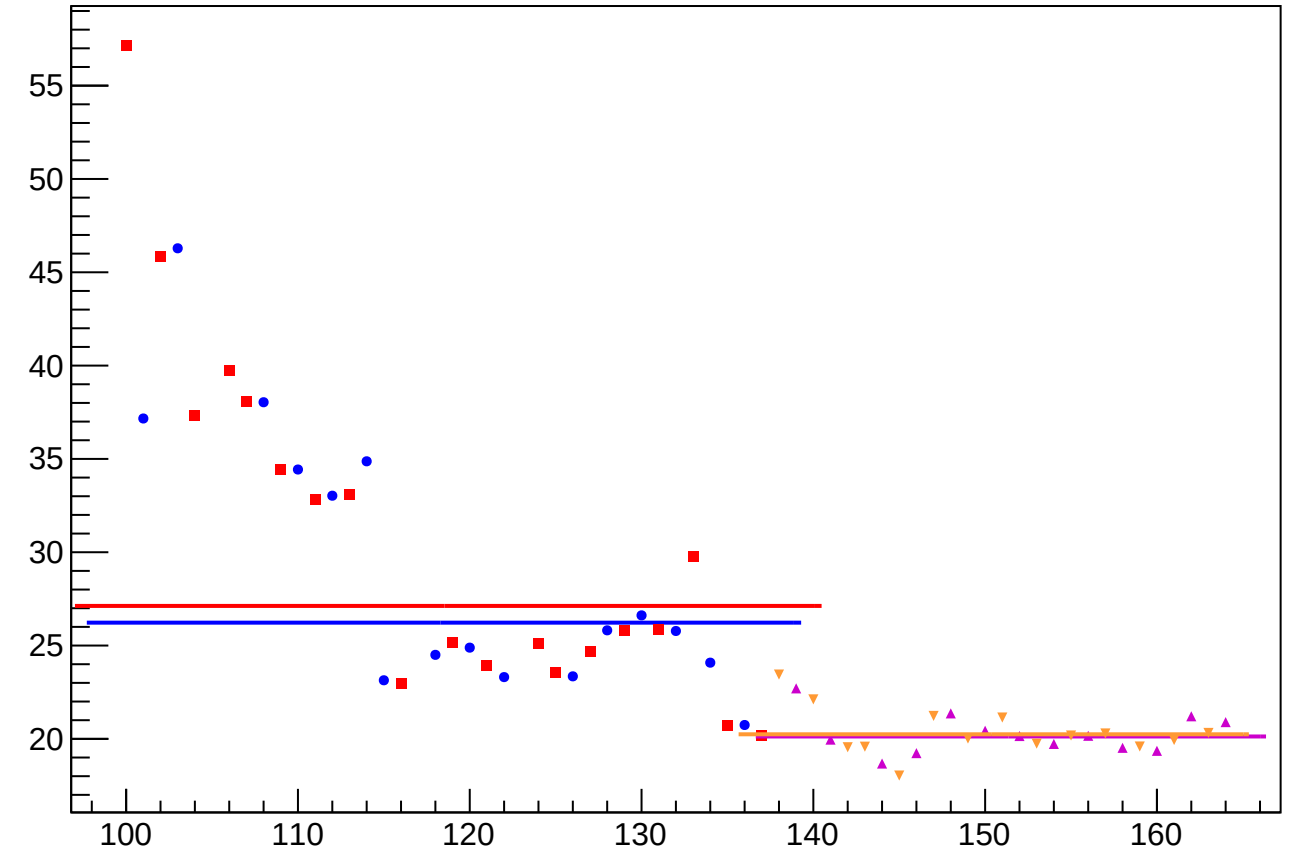
Left: -2.270+/-4.303 χ^2/NDF: 32.5/26

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -8.312+/-5.215 χ^2/NDF:34.5/28

Out: 1.081+/-5.226 χ^2/NDF:37.2/32

All: -3.625+/-3.691 χ^2/NDF: 73.3/61



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.245+/-0.004 χ^2/NDF:78025.8/13

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.128+/-0.004 χ^2/NDF:53232.8/12

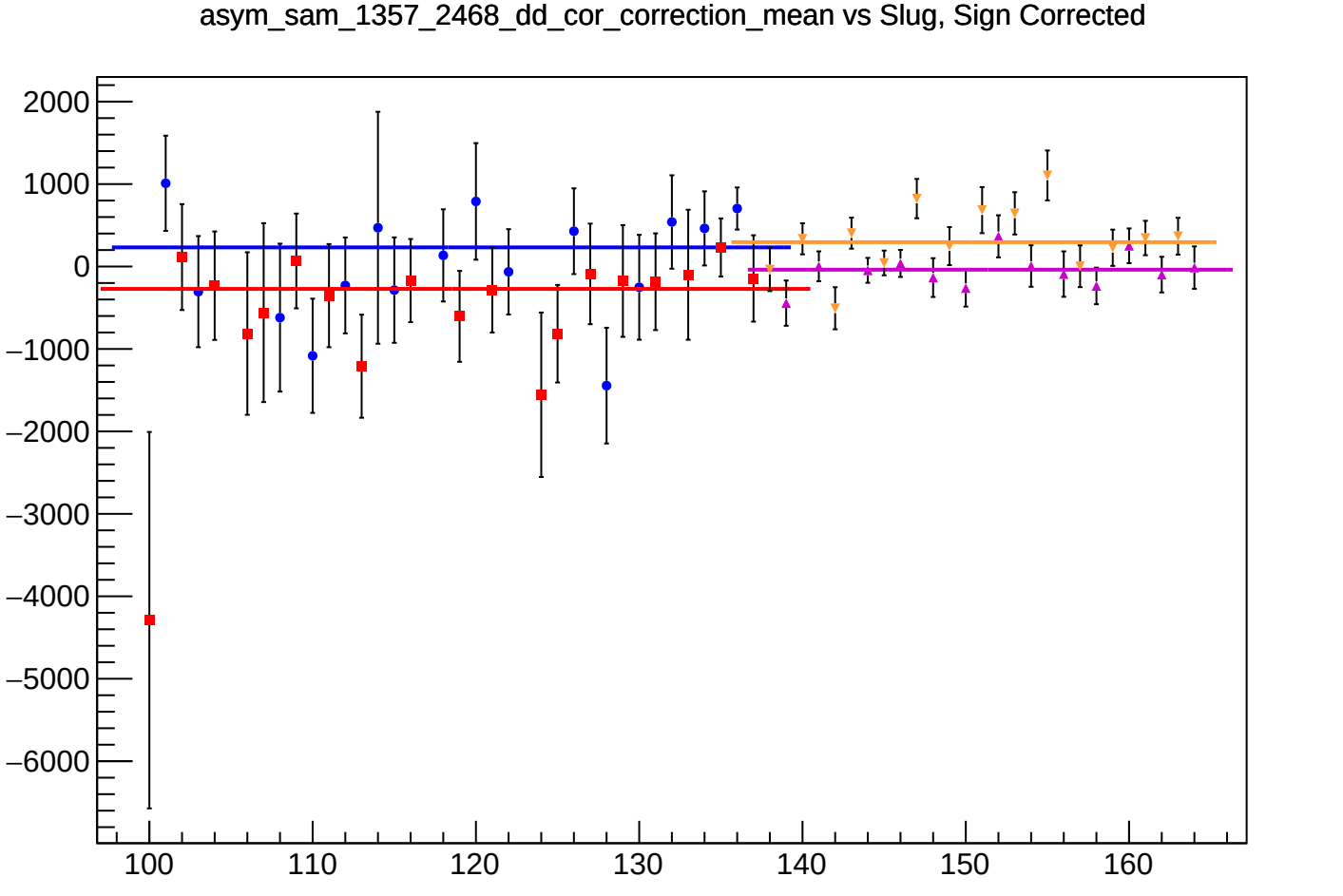
Left: 20.187+/-0.003 χ^2/NDF: 131627.4/26

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.771+/-0.004 χ^2/NDF:1267628.9/28

Out: 22.026+/-0.004 χ^2/NDF:1488706.6/32

All: 21.898+/-0.003 χ^2/NDF: 2758724.5/61


asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected
2000
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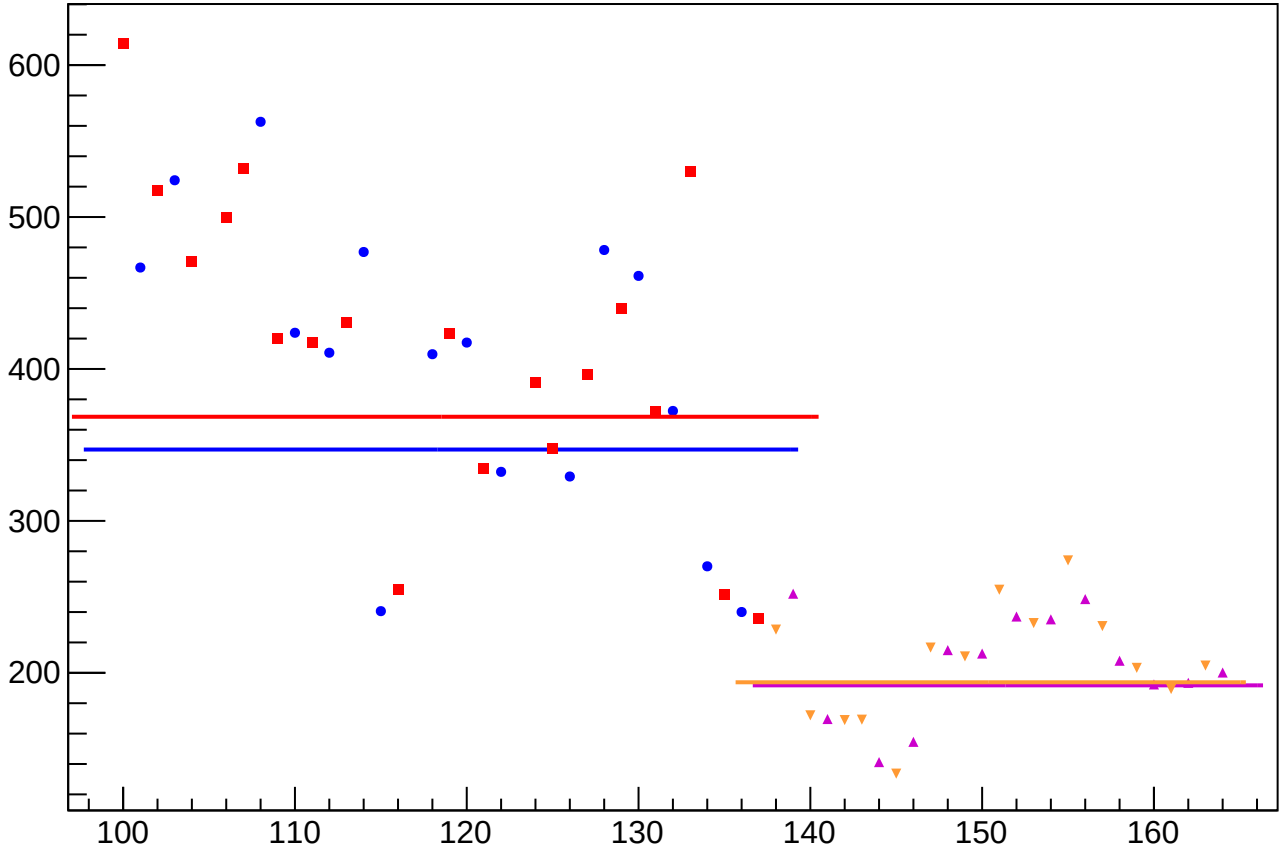
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 295.522+/-59.188 χ²/NDF:32.2/13
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -38.364+/-59.088 χ²/NDF:9.0/12
Left: 128.299+/-41.817 χ²/NDF: 57.1/26
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: 5.187+/-54.122 χ²/NDF:32.0/28
Out: 209.747+/-54.527 χ²/NDF:57.7/32
All: 106.705+/-38.412 χ²/NDF: 96.8/61

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: 193.778+/-0.042 χ^2/NDF:800380.0/13

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 191.759+/-0.042 χ^2/NDF:710814.8/12

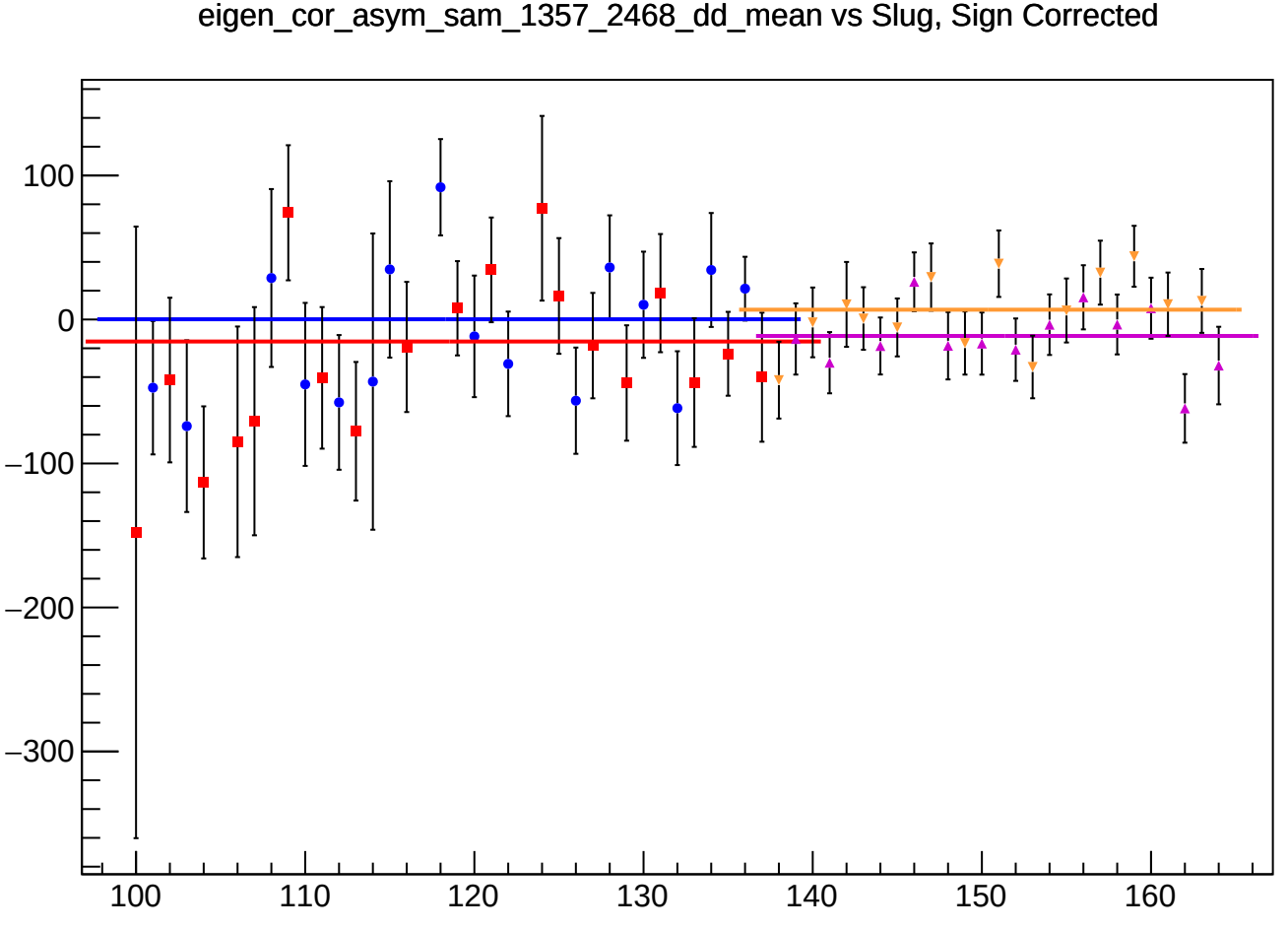
Left: 192.767+/-0.030 χ^2/NDF: 1512360.5/26

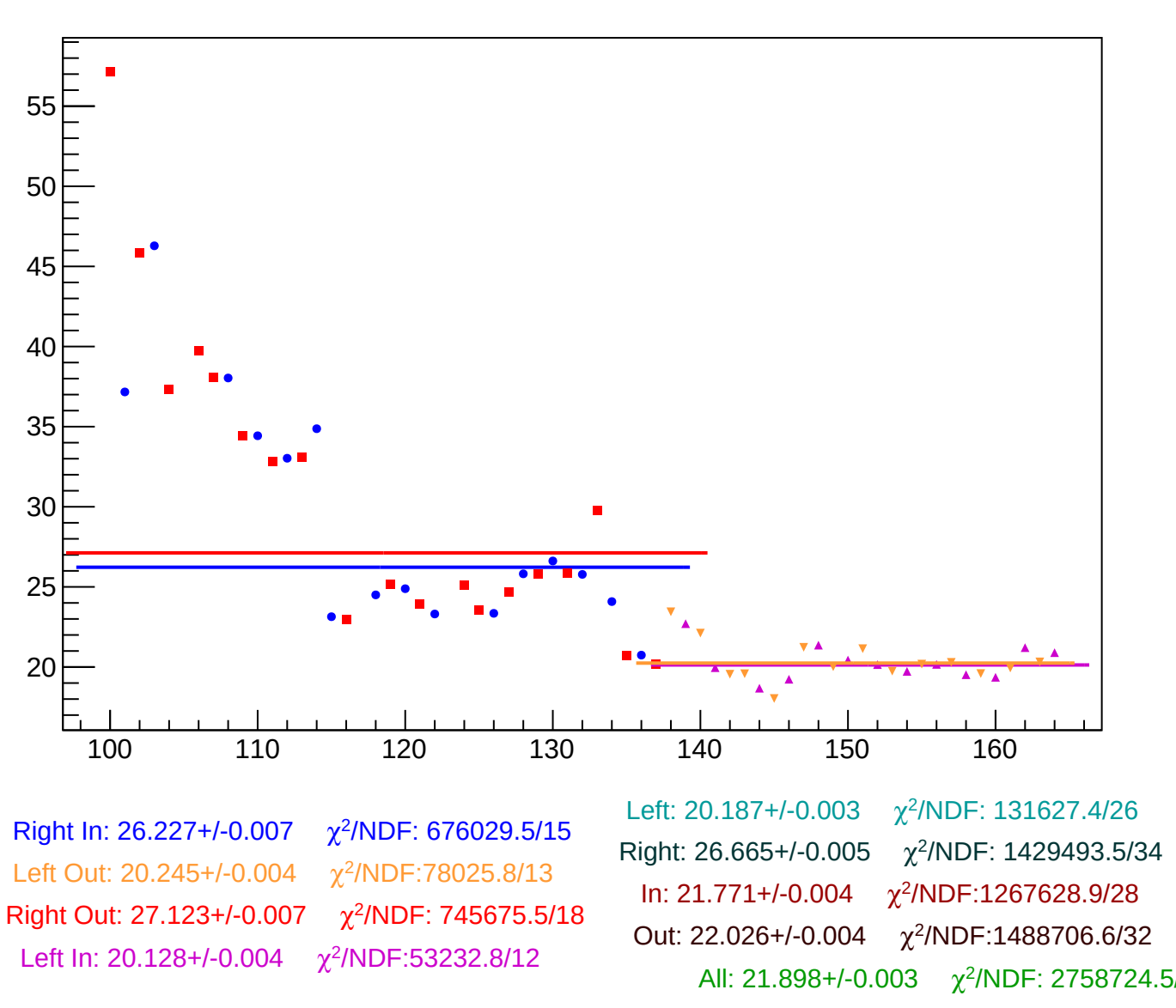
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 216.753+/-0.038 χ^2/NDF:3991037.4/28

Out: 220.220+/-0.039 χ^2/NDF:4338788.9/32

All: 218.474+/-0.027 χ^2/NDF: 8333898.2/61


eigen_cor_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
Right In: 0.157+/-10.048 χ²/NDF: 21.3/15
Left Out: 6.803+/-6.071 χ²/NDF:15.8/13
Right Out: -15.292+/-10.269 χ²/NDF: 17.9/18
Left In: -11.435+/-6.101 χ²/NDF:12.2/12
Left: -2.270+/-4.303 χ²/NDF: 32.5/26
Right: -7.399+/-7.182 χ²/NDF: 40.4/34
In: -8.312+/-5.215 χ²/NDF:34.5/28
Out: 1.081+/-5.226 χ²/NDF:37.2/32
All: -3.625+/-3.691 χ²/NDF: 73.3/61


eigen_cor_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected
55
50
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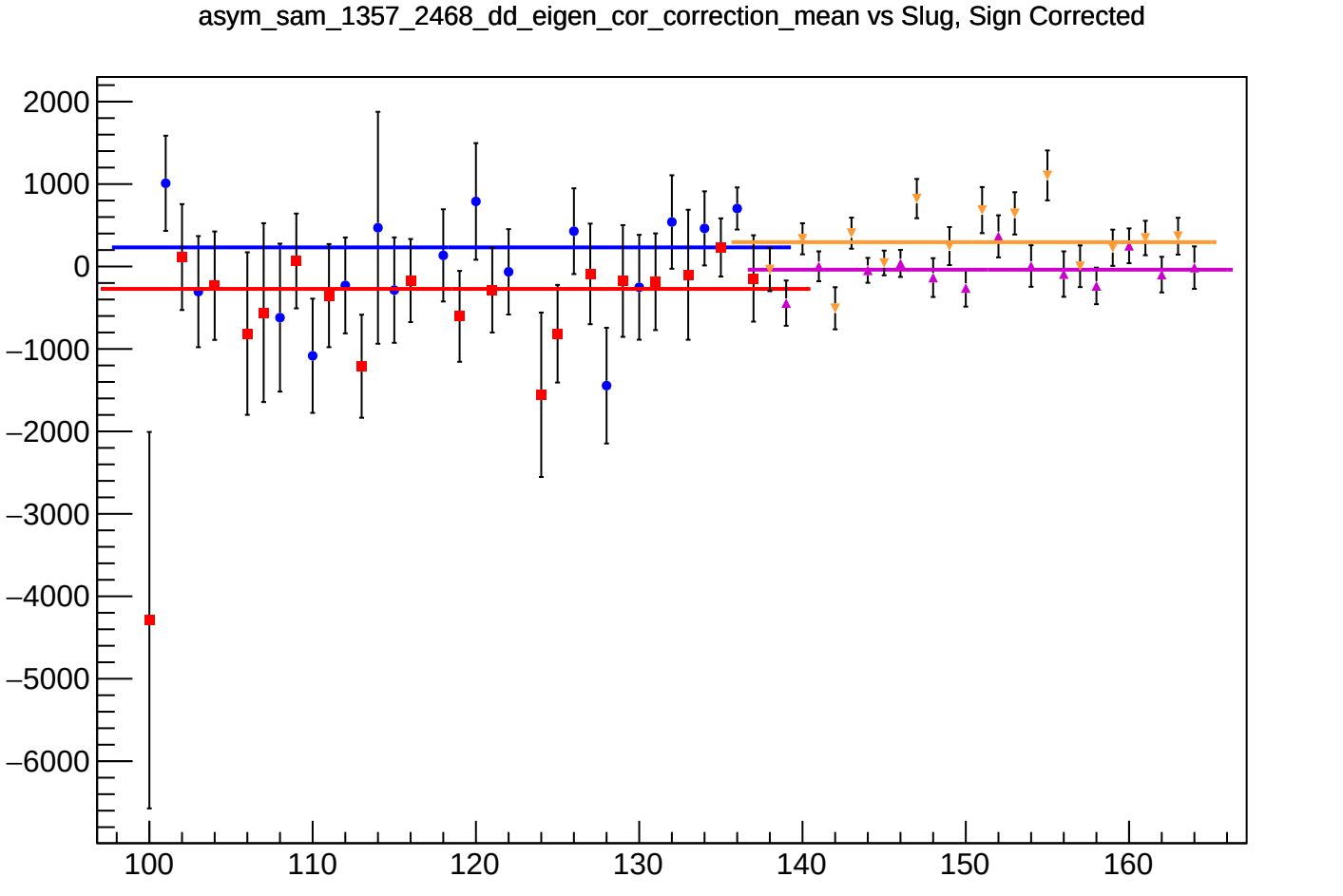
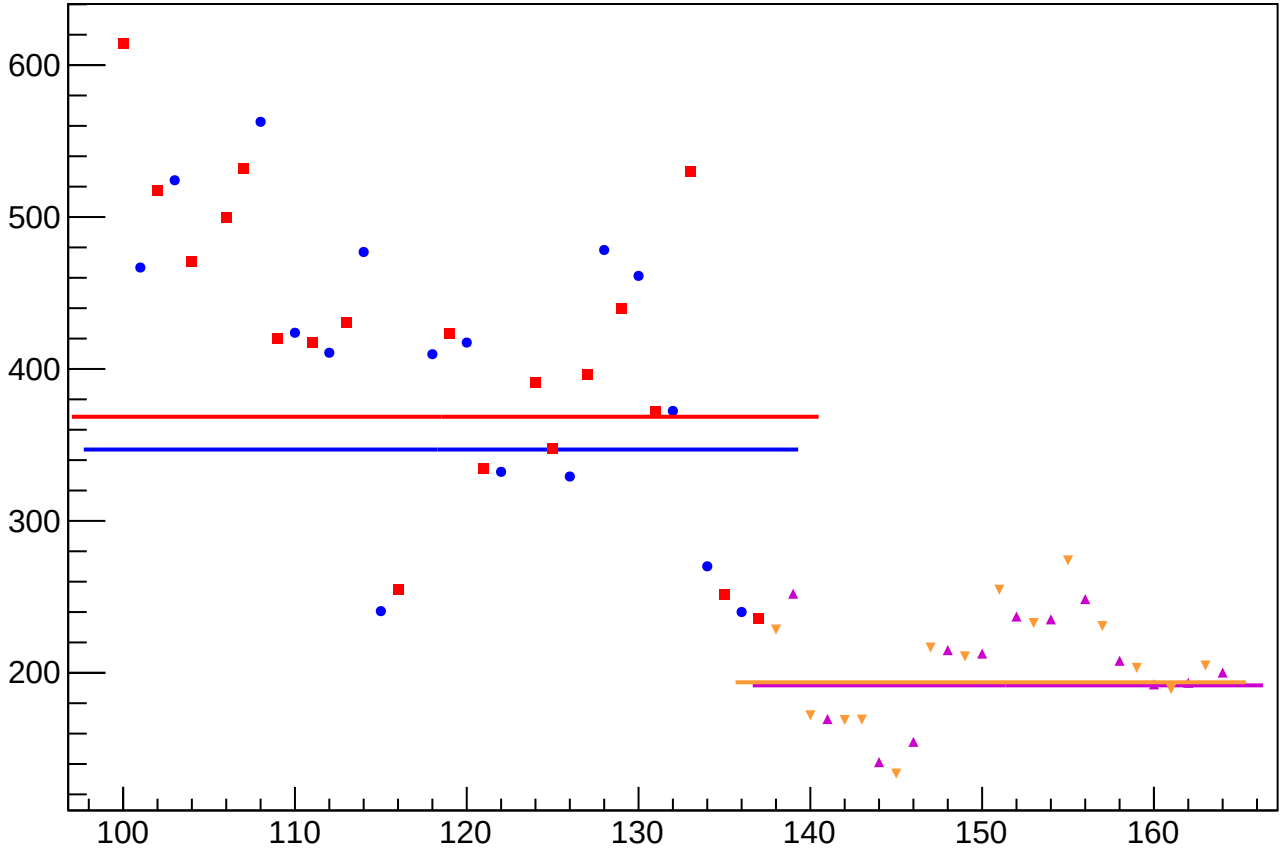
140
150
160
Right In: 26.227+/-0.007 χ²/NDF: 676029.5/15
Left Out: 20.245+/-0.004 χ²/NDF:78025.8/13
Right Out: 27.123+/-0.007 χ²/NDF: 745675.5/18
Left In: 20.128+/-0.004 χ²/NDF:53232.8/12
Left: 20.187+/-0.003 χ²/NDF: 131627.4/26
Right: 26.665+/-0.005 χ²/NDF: 1429493.5/34
In: 21.771+/-0.004 χ²/NDF:1267628.9/28
Out: 22.026+/-0.004 χ²/NDF:1488706.6/32
All: 21.898+/-0.003 χ²/NDF: 2758724.5/61


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 295.522+/-59.188 χ²/NDF:32.2/13
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -38.364+/-59.088 χ²/NDF:9.0/12
Left: 128.299+/-41.817 χ²/NDF: 57.1/26
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: 5.187+/-54.122 χ²/NDF:32.0/28
Out: 209.747+/-54.527 χ²/NDF:57.7/32
All: 106.705+/-38.412 χ²/NDF: 96.8/61

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: 193.778+/-0.042 χ^2/NDF:800380.0/13

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 191.759+/-0.042 χ^2/NDF:710814.8/12

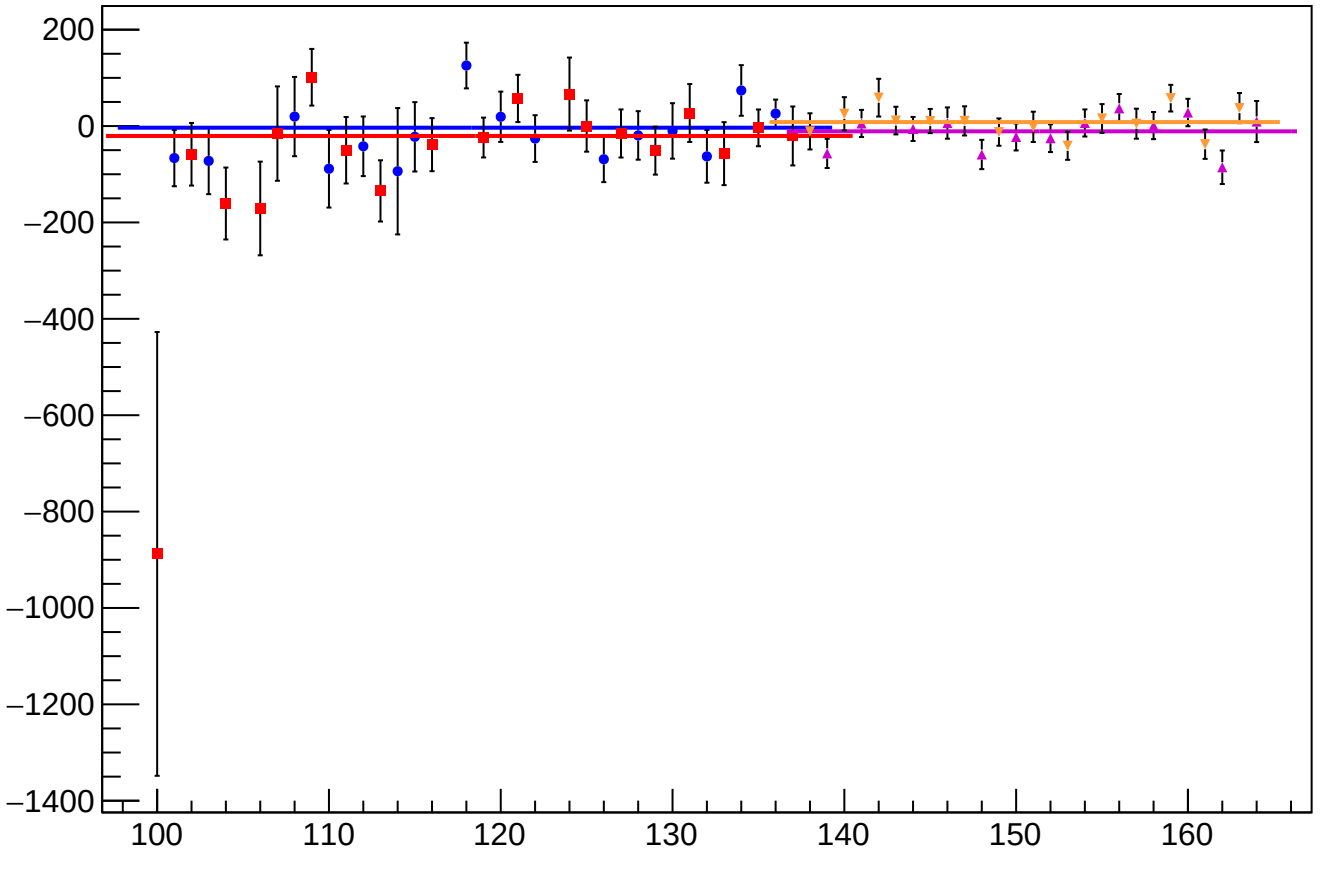
Left: 192.767+/-0.030 χ^2/NDF: 1512360.5/26

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 216.753+/-0.038 χ^2/NDF:3991037.4/28

Out: 220.220+/-0.039 χ^2/NDF:4338788.9/32

All: 218.474+/-0.027 χ^2/NDF: 8333898.2/61



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 8.278+/-8.141 χ^2/NDF:12.1/13

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.958+/-8.239 χ^2/NDF:15.7/12

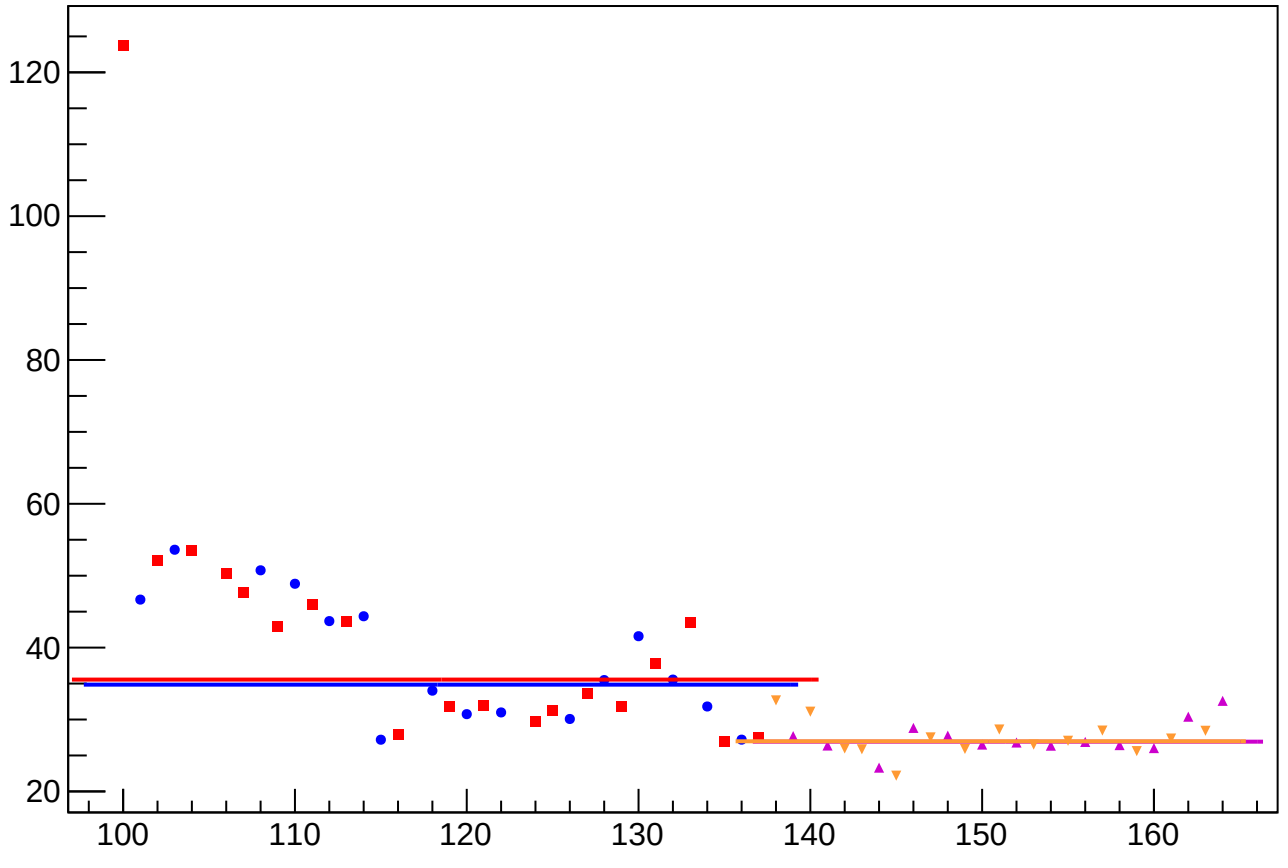
Left: -1.225+/-5.791 χ^2/NDF: 30.6/26

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.890+/-7.017 χ^2/NDF:34.4/28

Out: 0.564+/-6.968 χ^2/NDF:38.6/32

All: -4.129+/-4.944 χ^2/NDF: 73.9/61



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.974+/-0.006 χ^2/NDF:174905.4/13

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.920+/-0.006 χ^2/NDF:111515.7/12

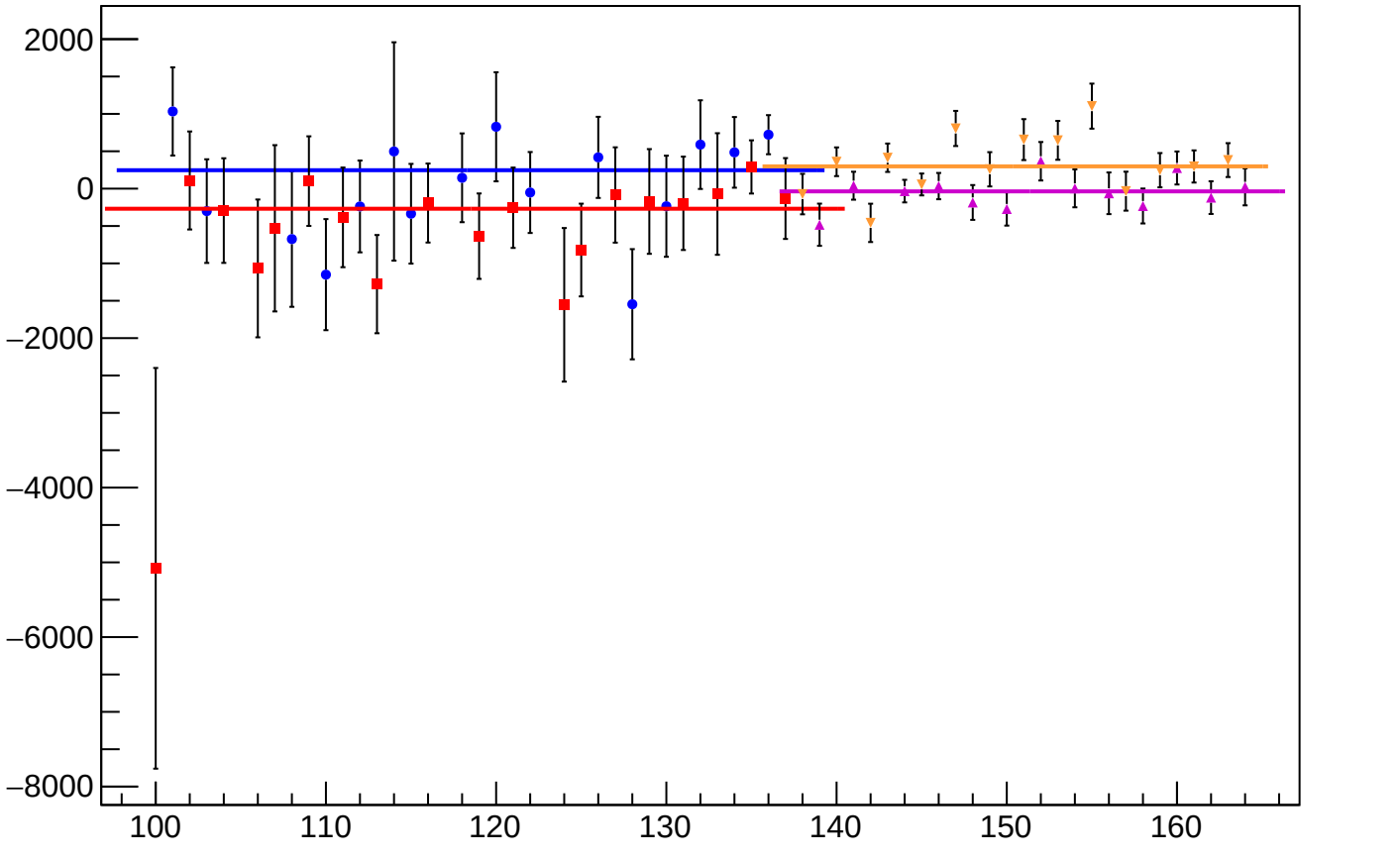
Left: 26.947+/-0.004 χ^2/NDF: 286465.3/26

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 29.097+/-0.005 χ^2/NDF:1278470.0/28

Out: 29.268+/-0.005 χ^2/NDF:1548695.8/32

All: 29.183+/-0.003 χ^2/NDF: 2827763.9/61



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 297.925+/-59.610 χ^2/NDF:30.9/13

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -36.663+/-60.255 χ^2/NDF:9.7/12

Left: 132.433+/-42.377 χ^2/NDF: 56.2/26

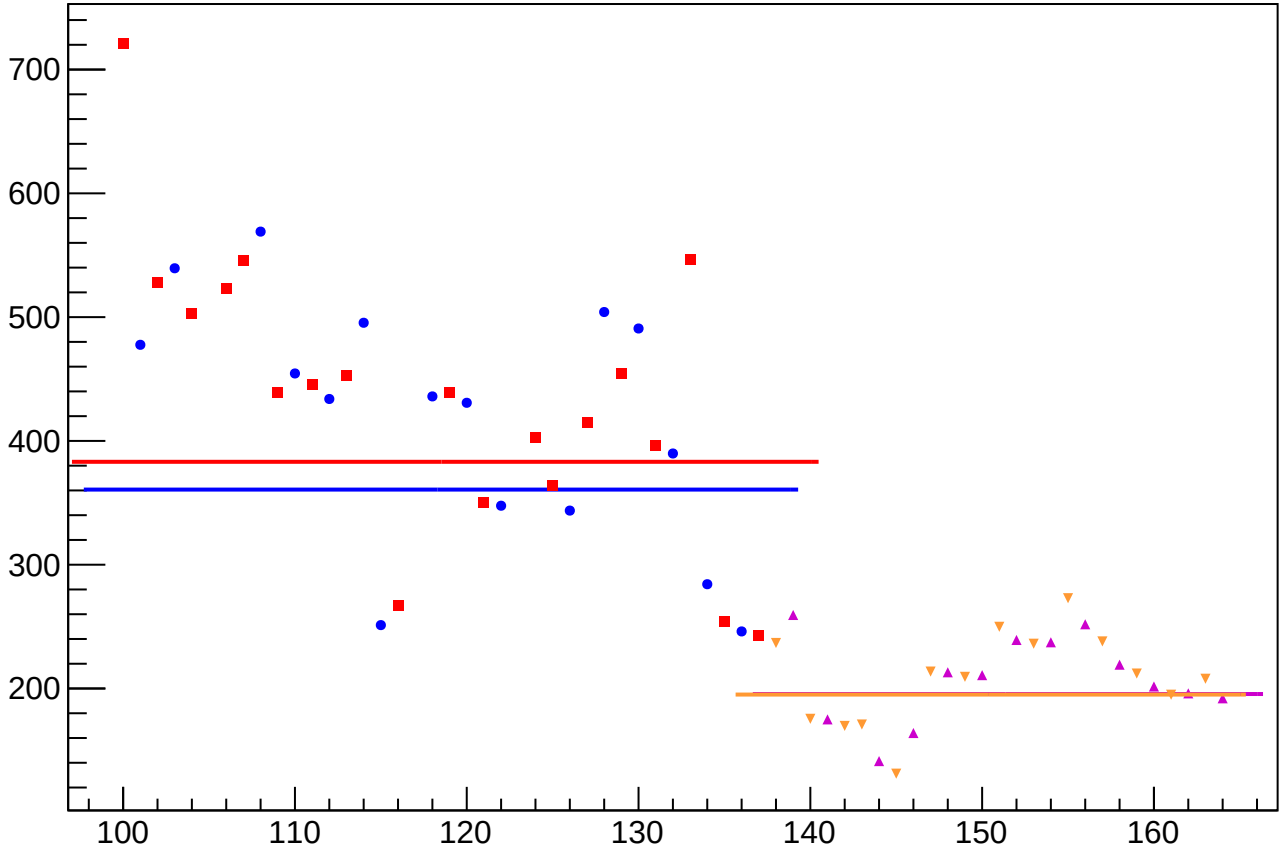
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 7.447+/-55.364 χ^2/NDF:32.9/28

Out: 216.261+/-55.149 χ^2/NDF:56.6/32

All: 112.260+/-39.072 χ^2/NDF: 96.7/61

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: 195.103+/-0.042 χ^2/NDF:856660.4/13

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 195.542+/-0.043 χ^2/NDF:684738.2/12

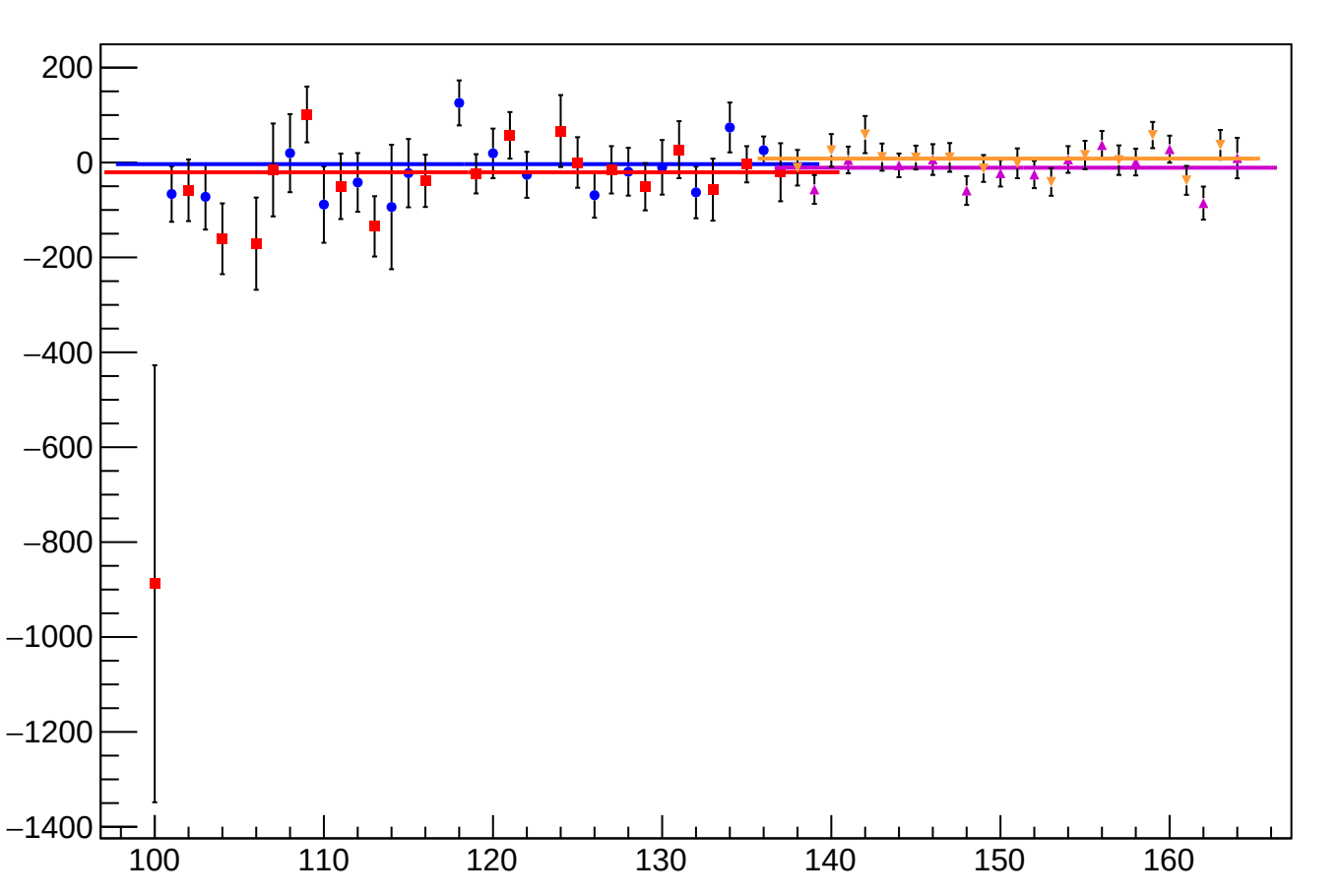
Left: 195.320+/-0.030 χ^2/NDF: 1541452.3/26

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 221.268+/-0.039 χ^2/NDF:4117890.3/28

Out: 222.192+/-0.039 χ^2/NDF:4686697.7/32

All: 221.732+/-0.028 χ^2/NDF: 8804867.6/61



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 8.278+/-8.141 χ^2/NDF:12.1/13

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.958+/-8.239 χ^2/NDF:15.7/12

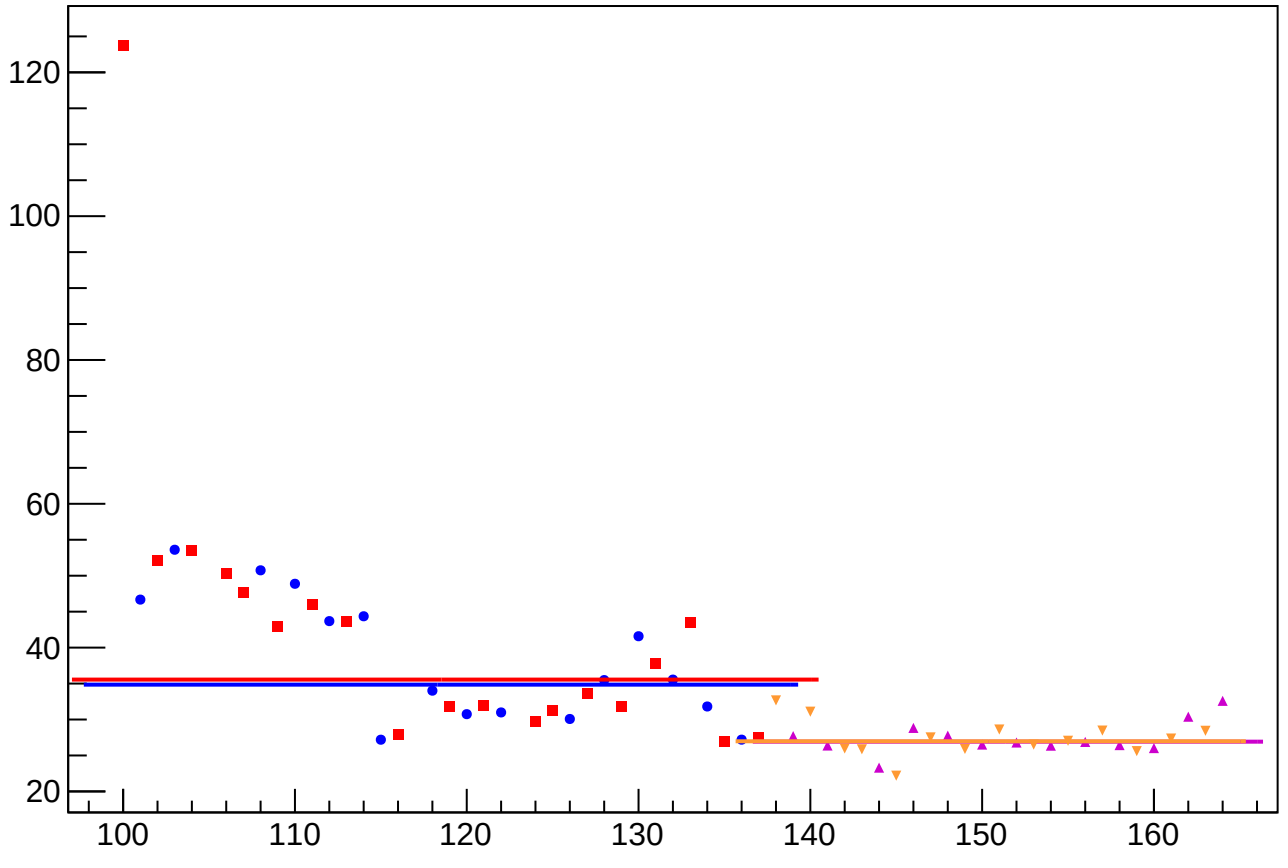
Left: -1.225+/-5.791 χ^2/NDF: 30.6/26

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.890+/-7.017 χ^2/NDF:34.4/28

Out: 0.564+/-6.968 χ^2/NDF:38.6/32

All: -4.129+/-4.944 χ^2/NDF: 73.9/61



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.974+/-0.006 χ^2/NDF:174894.6/13

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.920+/-0.006 χ^2/NDF:111515.7/12

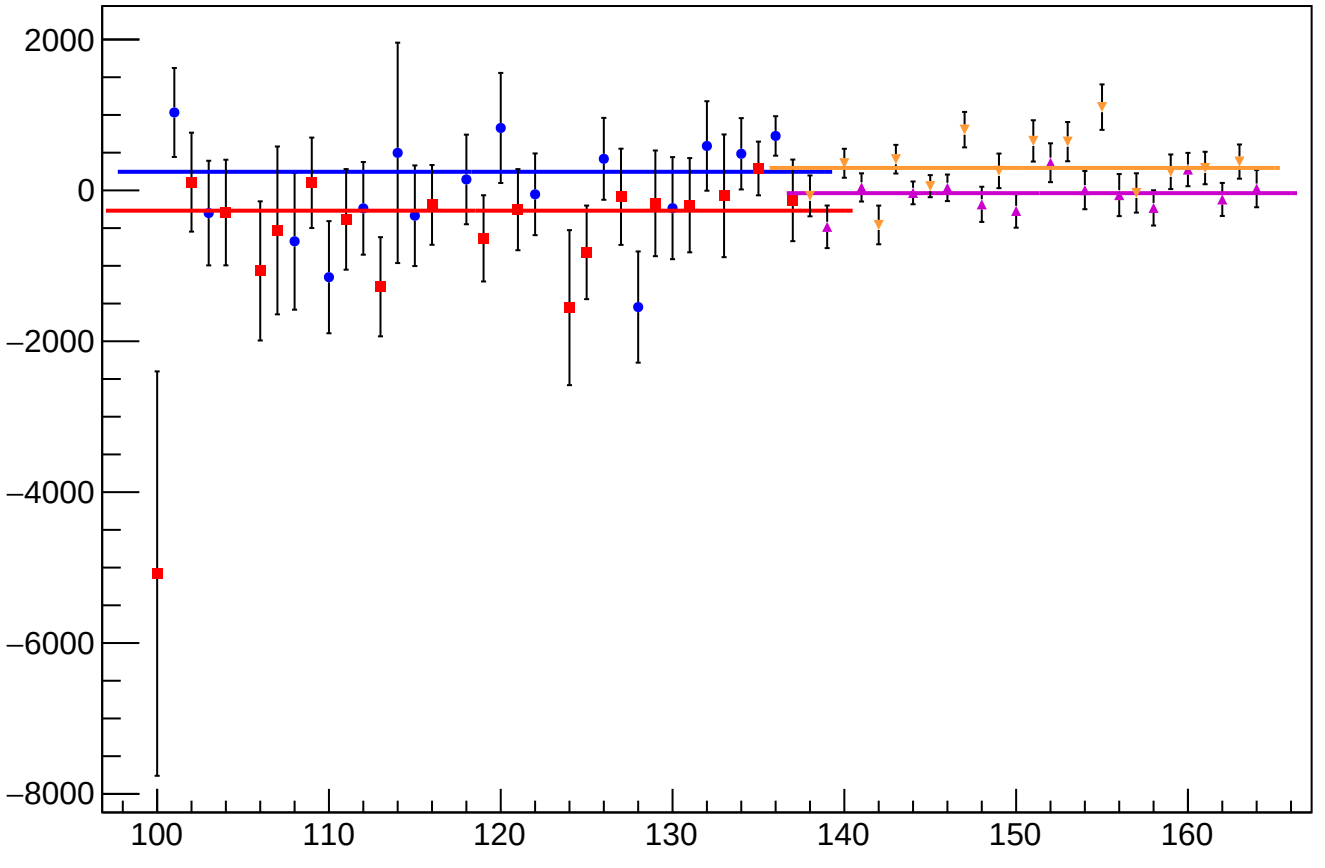
Left: 26.947+/-0.004 χ^2/NDF: 286454.5/26

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 29.097+/-0.005 χ^2/NDF:1278358.9/28

Out: 29.268+/-0.005 χ^2/NDF:1548595.9/32

All: 29.183+/-0.003 χ^2/NDF: 2827553.3/61



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 297.924+/-59.609 χ^2/NDF:30.9/13

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -36.662+/-60.255 χ^2/NDF:9.7/12

Left: 132.432+/-42.377 χ^2/NDF: 56.2/26

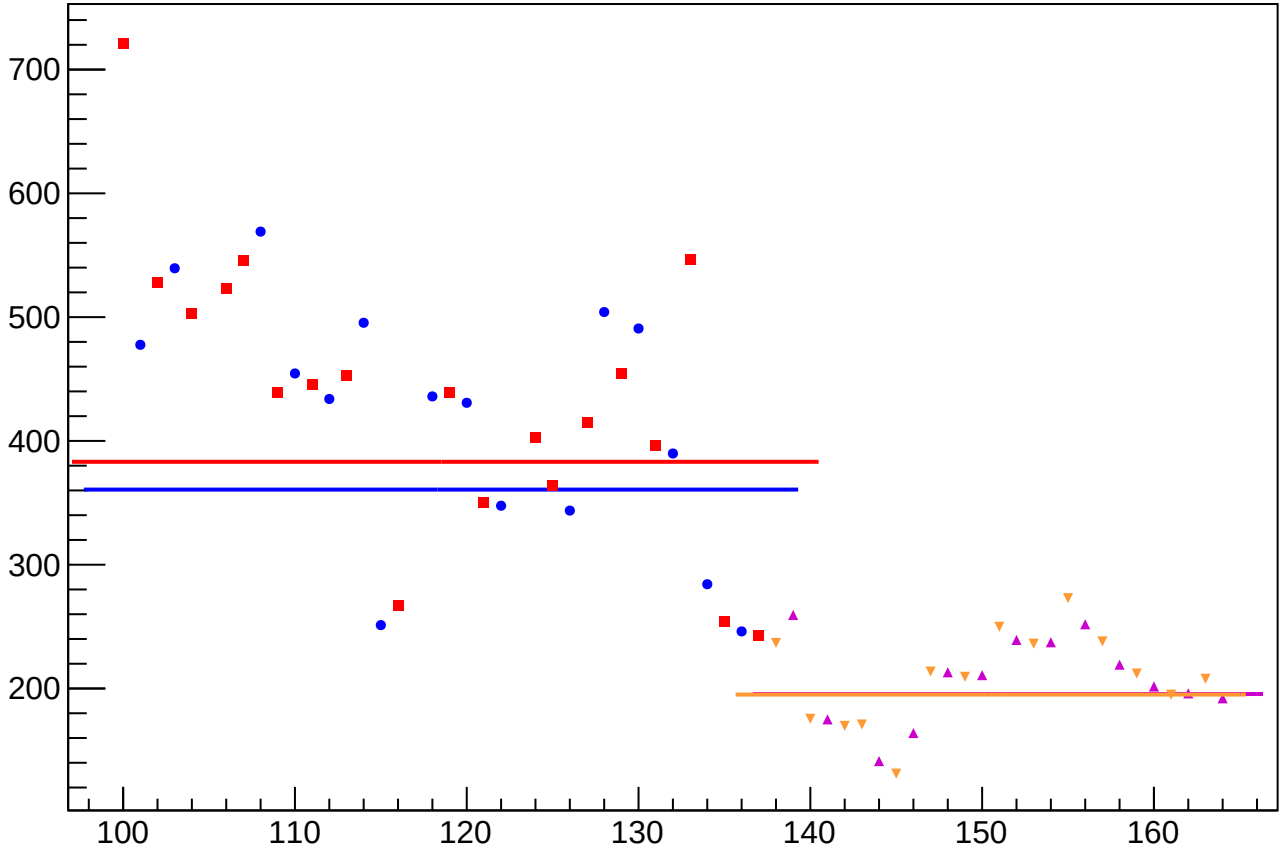
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 7.447+/-55.363 χ^2/NDF:32.9/28

Out: 216.260+/-55.149 χ^2/NDF:56.6/32

All: 112.259+/-39.072 χ^2/NDF: 96.7/61

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: 195.102+/-0.042 χ^2/NDF:856679.7/13

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 195.542+/-0.043 χ^2/NDF:684742.1/12

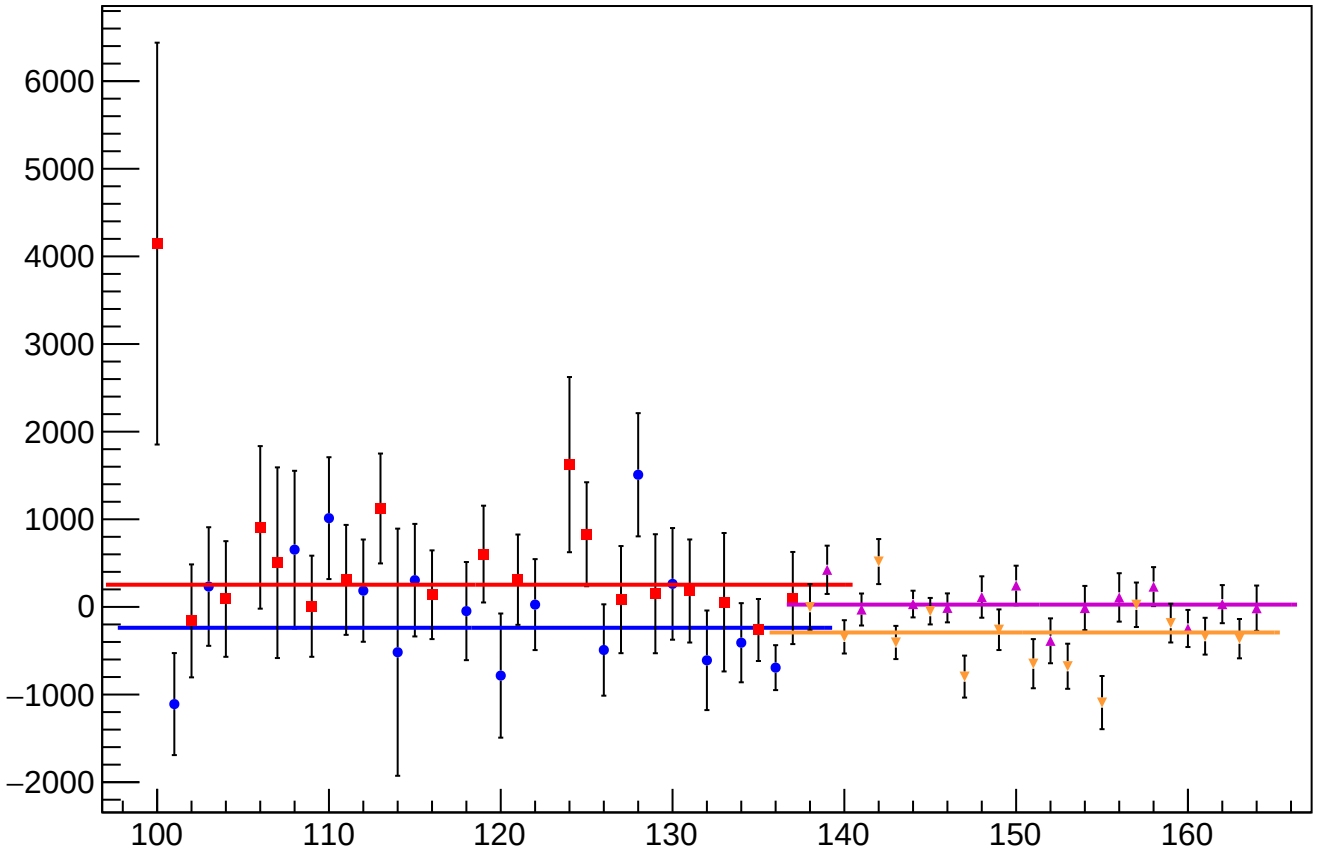
Left: 195.320+/-0.030 χ^2/NDF: 1541475.6/26

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 221.267+/-0.039 χ^2/NDF:4117882.8/28

Out: 222.191+/-0.039 χ^2/NDF:4686715.9/32

All: 221.731+/-0.028 χ^2/NDF: 8804878.2/61



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -291.740+/-59.543 χ^2/NDF:31.3/13

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 26.486+/-59.445 χ^2/NDF:8.5/12

Left: -132.365+/-42.069 χ^2/NDF: 54.1/26

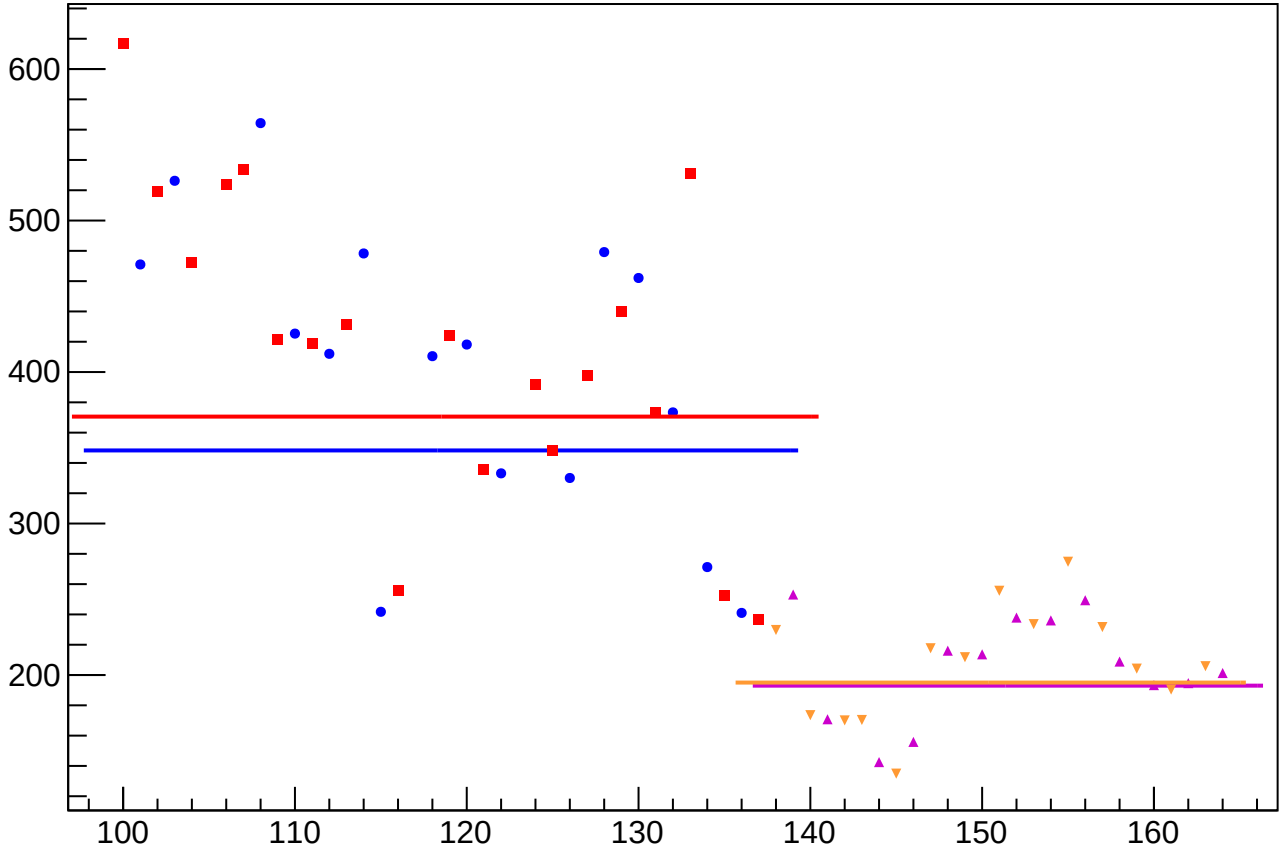
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -16.289+/-54.427 χ^2/NDF:31.7/28

Out: -208.646+/-54.818 χ^2/NDF:55.8/32

All: -111.780+/-38.623 χ^2/NDF: 93.6/61

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 195.023+/-0.042 χ^2/NDF:784845.8/13

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 192.990+/-0.042 χ^2/NDF:696601.5/12

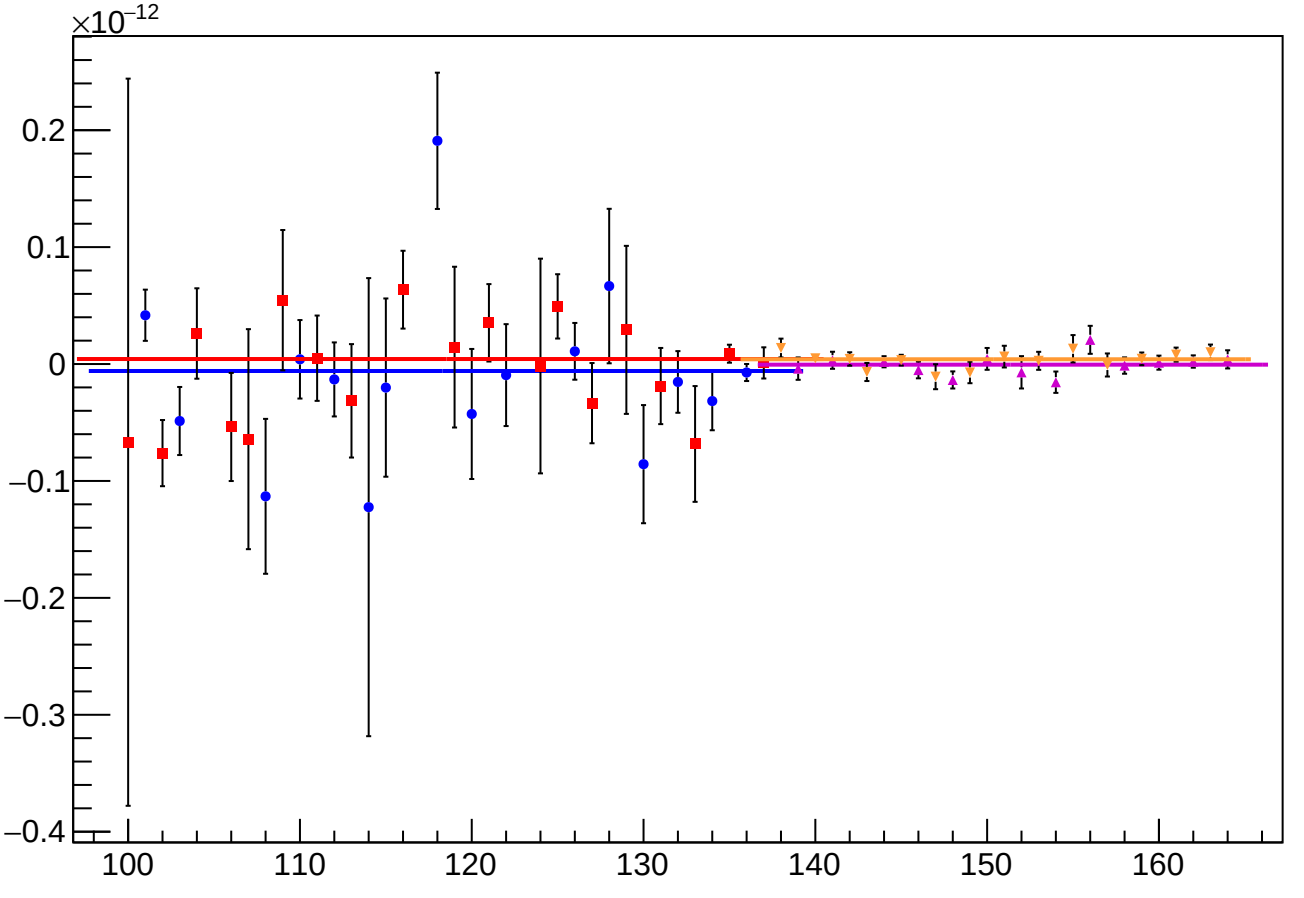
Left: 194.005+/-0.030 χ^2/NDF: 1482614.5/26

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 218.097+/-0.038 χ^2/NDF:3959641.3/28

Out: 221.781+/-0.039 χ^2/NDF:4352825.0/32

All: 219.926+/-0.027 χ^2/NDF: 8317015.3/61



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:11.3/12

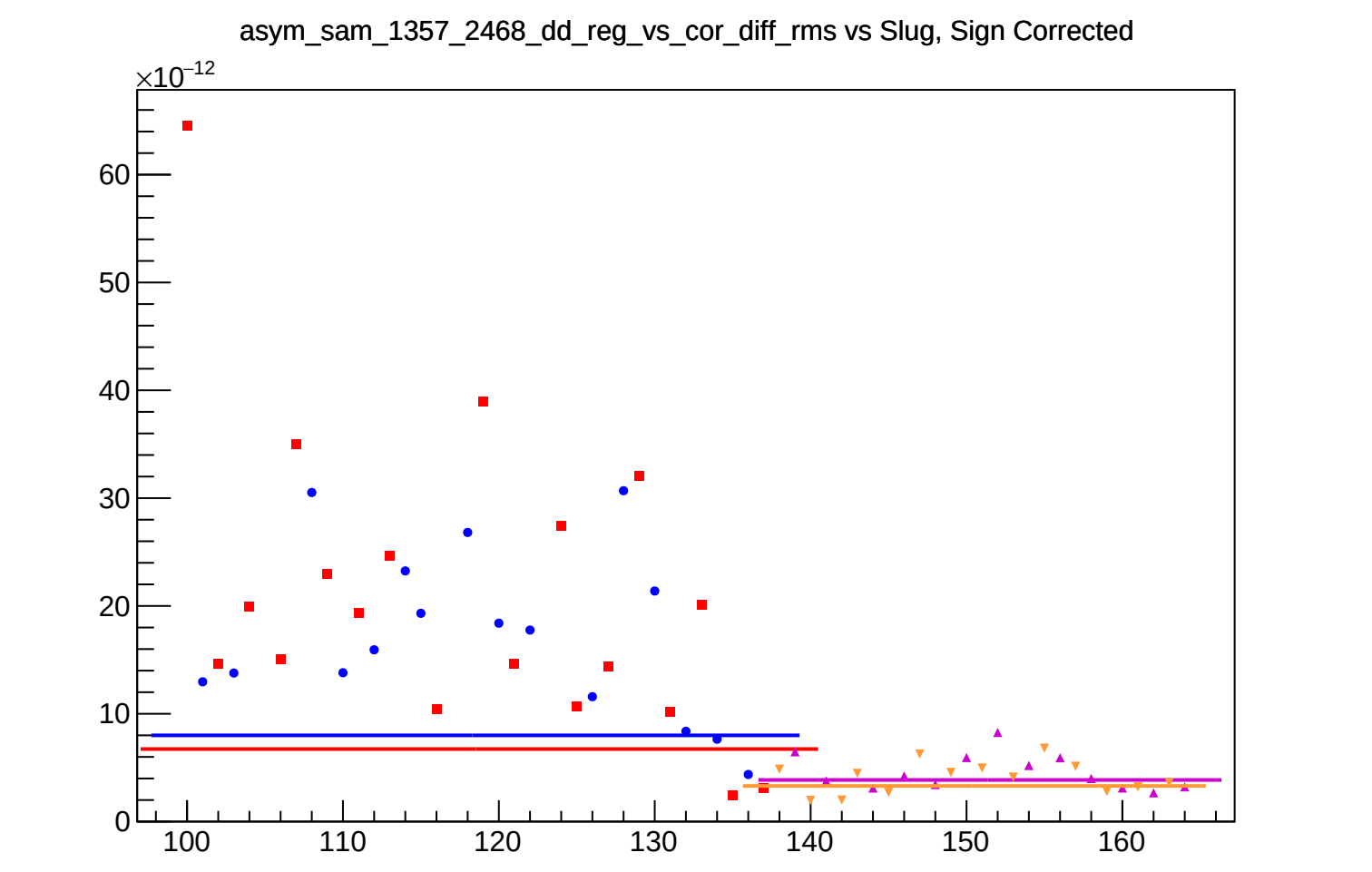
Left: 0.000+/-0.000 χ^2/NDF: 23.4/26

Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:39.4/28

Out: 0.000+/-0.000 χ^2/NDF:32.1/32

All: 0.000+/-0.000 χ^2/NDF: 75.8/61



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1023912.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:761632.0/12

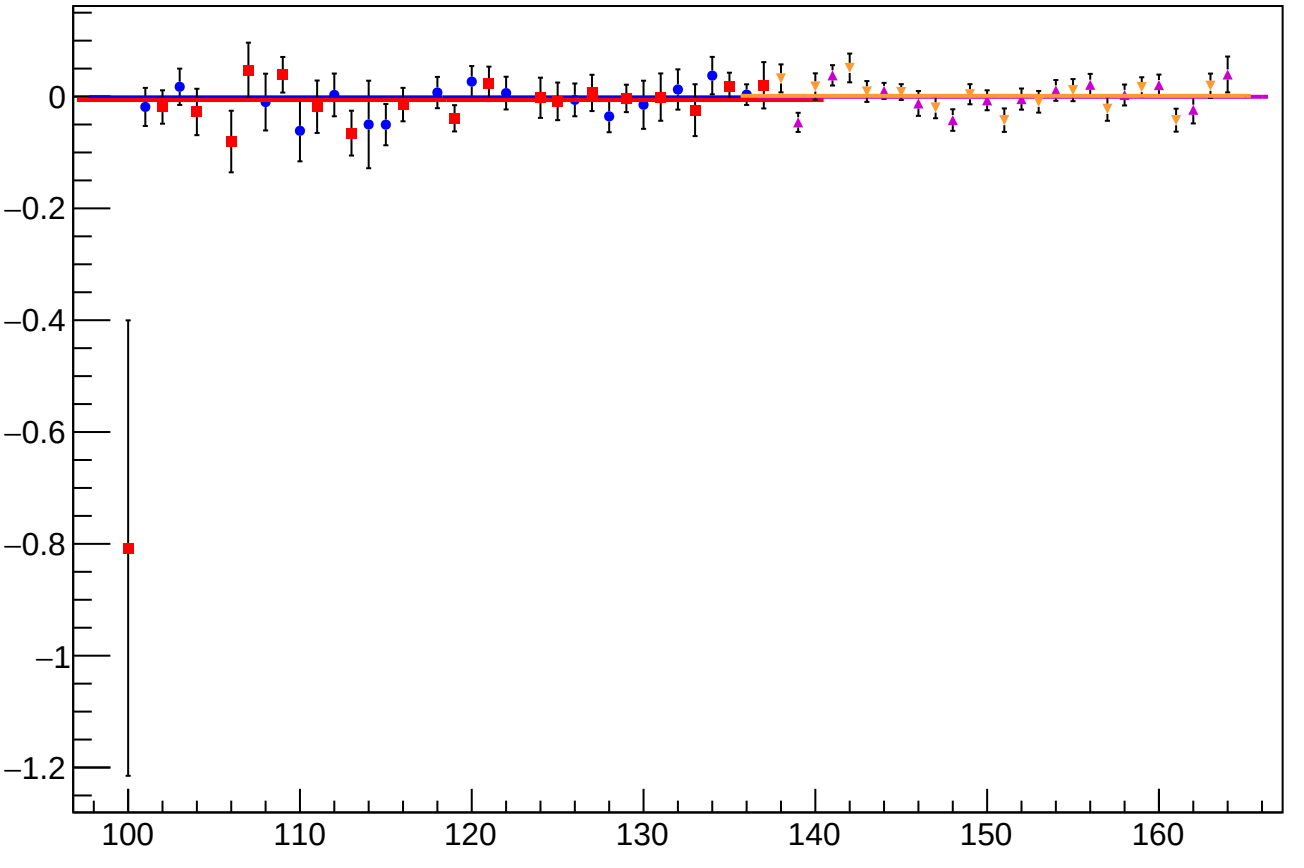
Left: 0.000+/-0.000 χ^2/NDF: 1871989.1/26

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:3651833.8/28

Out: 0.000+/-0.000 χ^2/NDF:5093310.1/32

All: 0.000+/-0.000 χ^2/NDF: 8898350.4/61



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.001+/-0.005 χ^2/NDF:19.4/13

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.005 χ^2/NDF:22.5/12

Left: 0.000+/-0.004 χ^2/NDF: 42.0/26

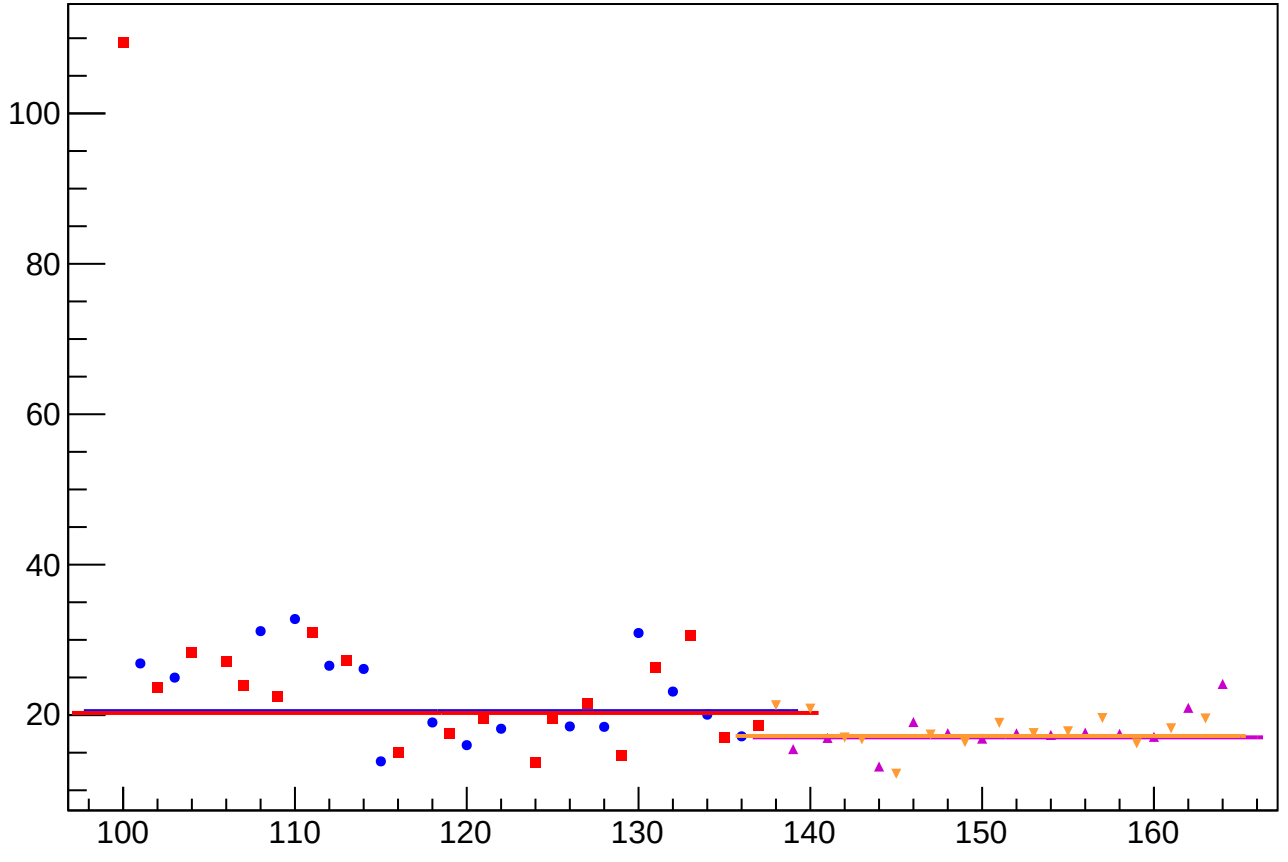
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.8/28

Out: -0.001+/-0.004 χ^2/NDF:36.3/32

All: -0.001+/-0.003 χ^2/NDF: 67.1/61

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: 17.225+/-0.004 χ^2/NDF:434235.5/13

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 17.038+/-0.004 χ^2/NDF:335209.1/12

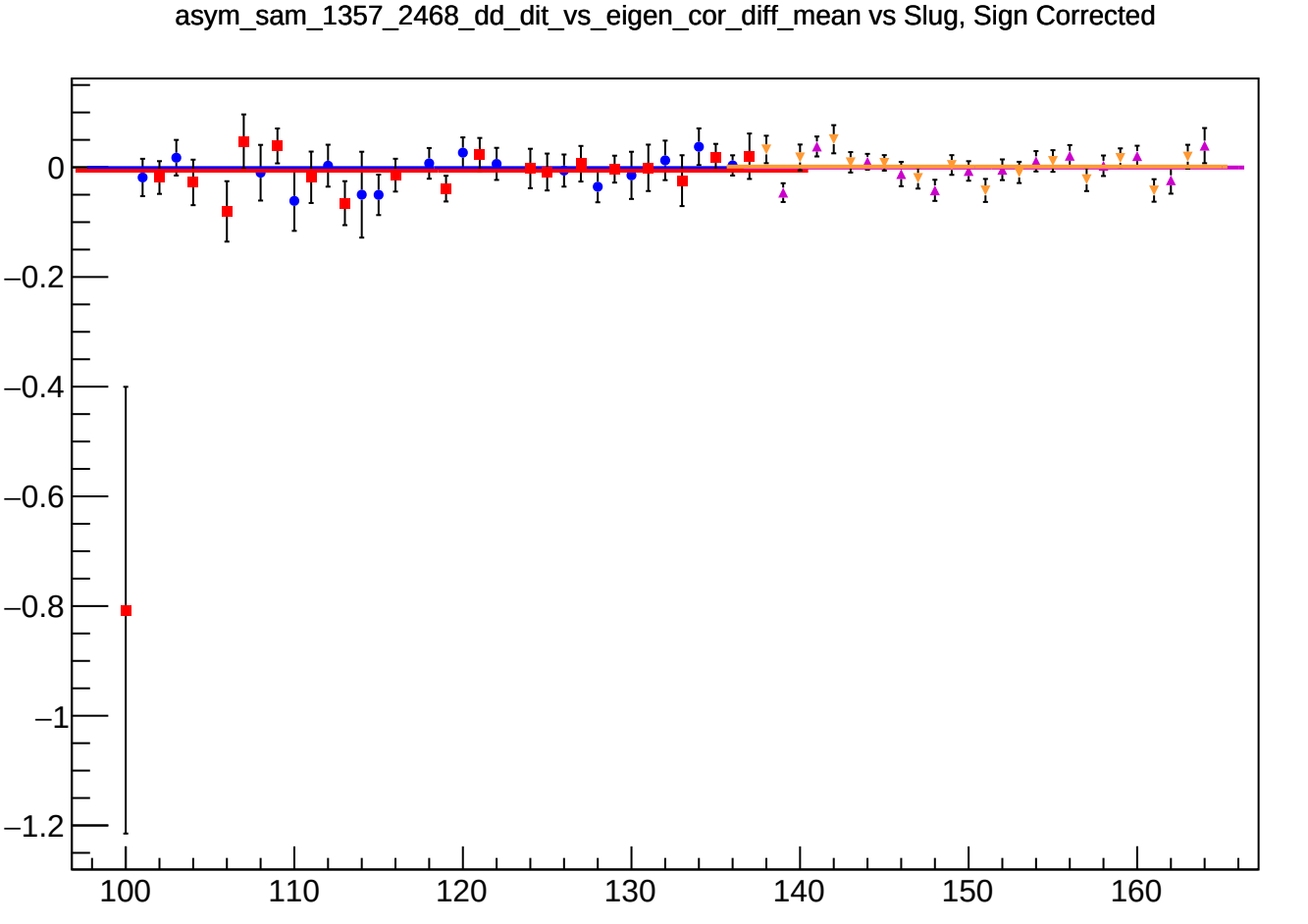
Left: 17.132+/-0.003 χ^2/NDF: 770702.7/26

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.086+/-0.003 χ^2/NDF:1302446.8/28

Out: 18.169+/-0.003 χ^2/NDF:1506424.6/32

All: 18.128+/-0.002 χ^2/NDF: 2809223.9/61



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.001+/-0.005 χ^2/NDF:19.4/13

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.005 χ^2/NDF:22.5/12

Left: 0.000+/-0.004 χ^2/NDF: 42.0/26

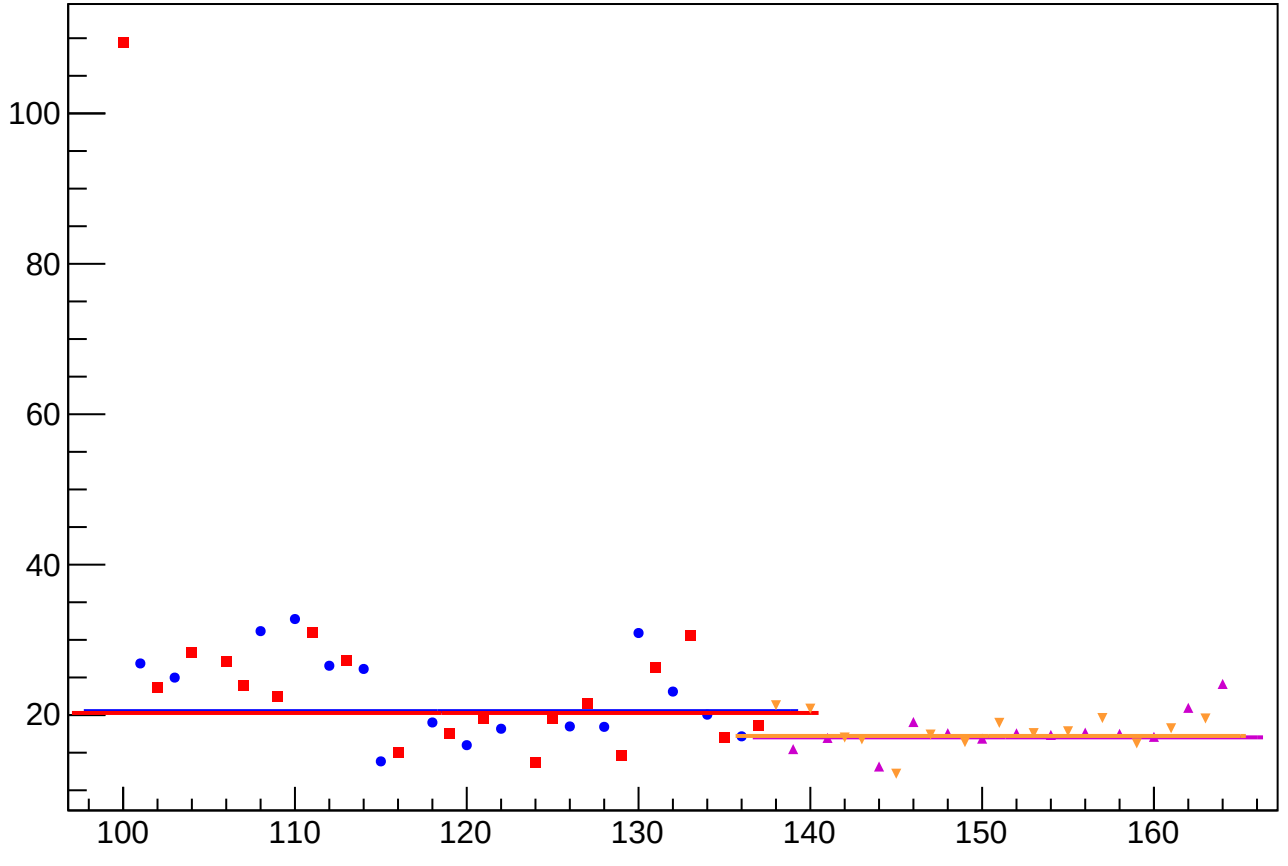
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.8/28

Out: -0.001+/-0.004 χ^2/NDF:36.3/32

All: -0.001+/-0.003 χ^2/NDF: 67.1/61

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: 17.225+/-0.004 χ^2/NDF:434235.5/13

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 17.038+/-0.004 χ^2/NDF:335209.1/12

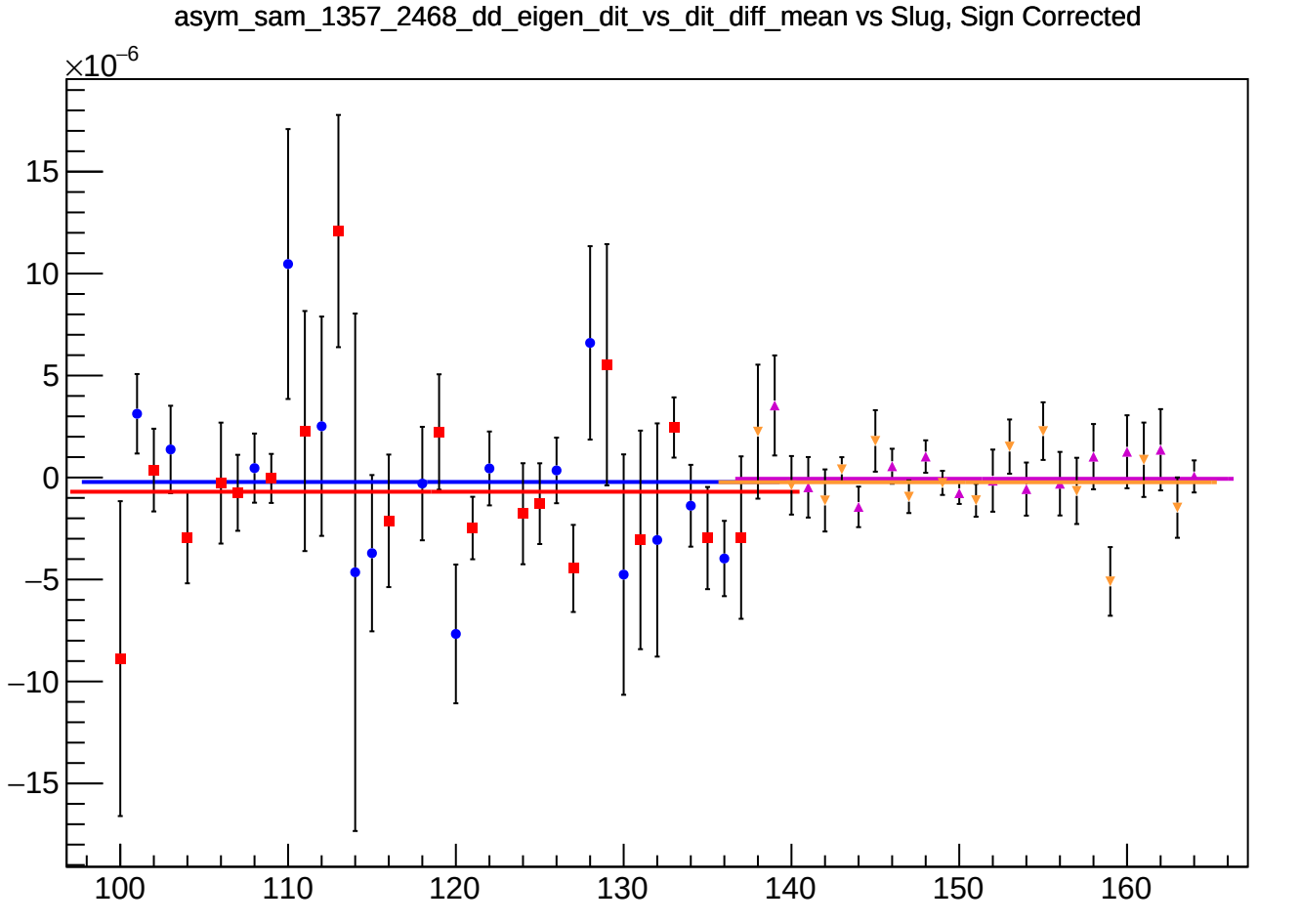
Left: 17.132+/-0.003 χ^2/NDF: 770702.7/26

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.086+/-0.003 χ^2/NDF:1302446.8/28

Out: 18.169+/-0.003 χ^2/NDF:1506424.6/32

All: 18.128+/-0.002 χ^2/NDF: 2809223.9/61



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.1/12

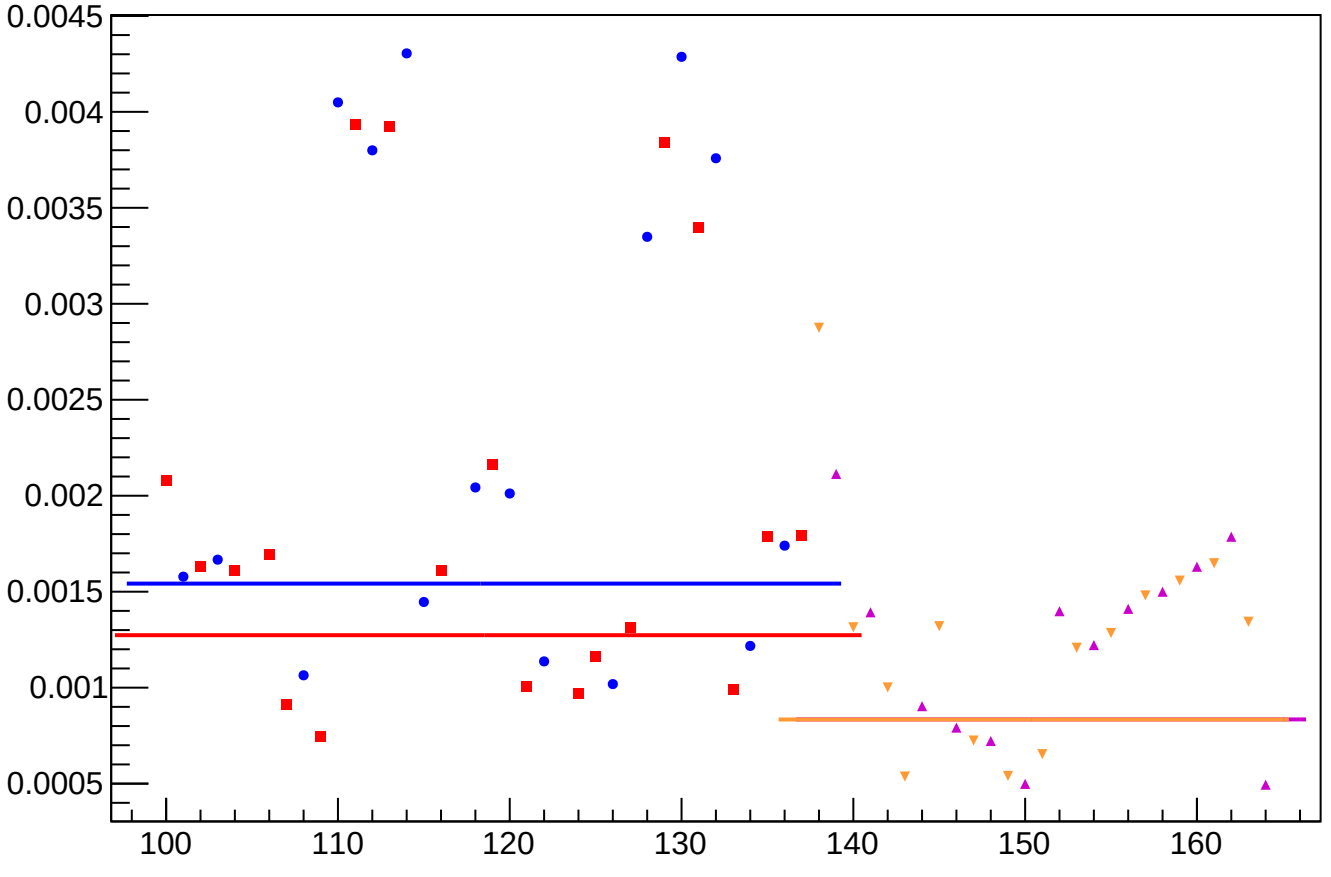
Left: -0.000+/-0.000 χ^2/NDF: 30.4/26

Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:30.0/28

Out: -0.000+/-0.000 χ^2/NDF:41.8/32

All: -0.000+/-0.000 χ^2/NDF: 72.3/61



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4039086.1/13

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:3986514.4/12

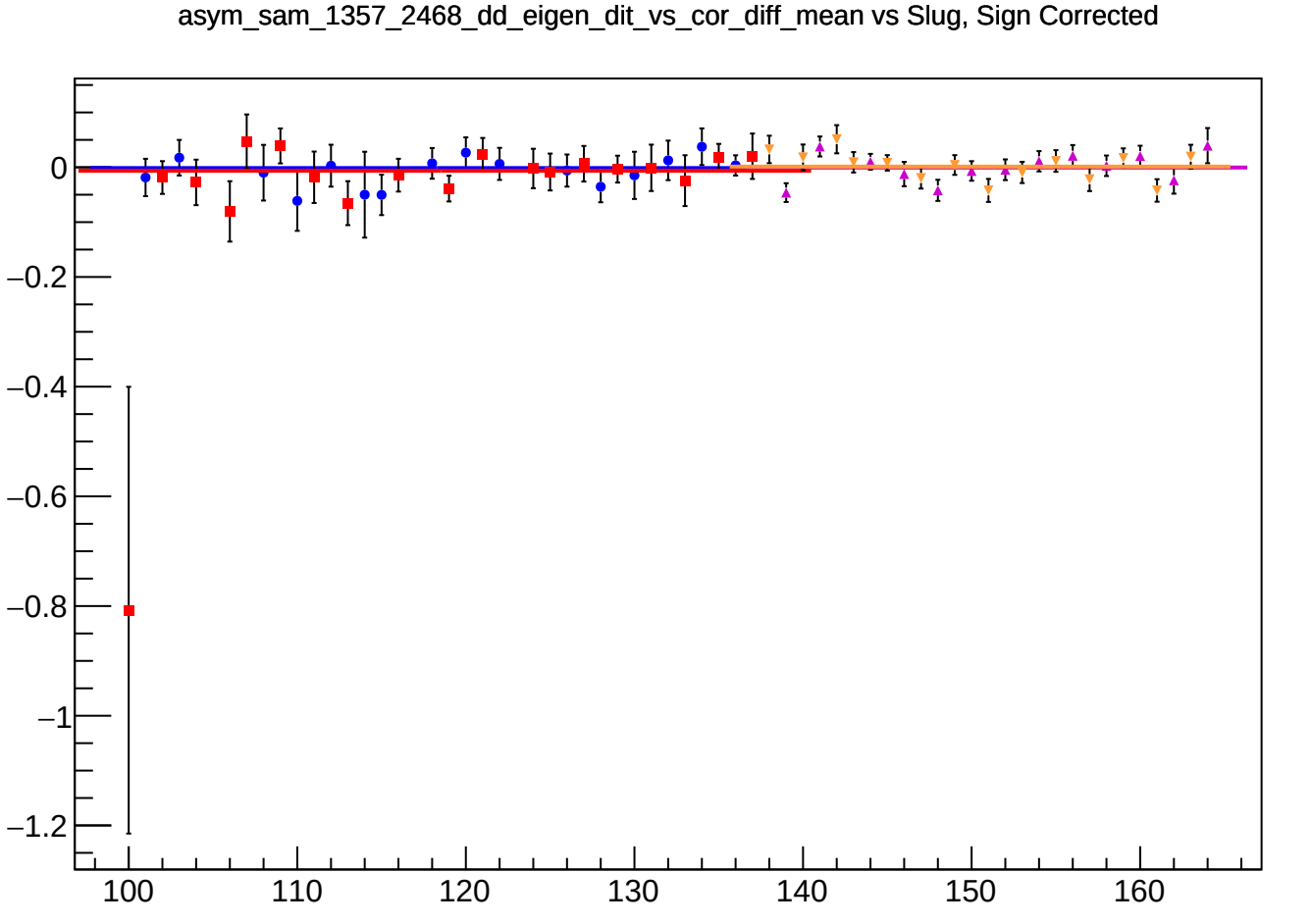
Left: 0.001+/-0.000 χ^2/NDF: 8025603.3/26

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:8489056.3/28

Out: 0.001+/-0.000 χ^2/NDF:7799596.3/32

All: 0.001+/-0.000 χ^2/NDF: 16297676.0/61



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.001+/-0.005 χ^2/NDF:19.4/13

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.005 χ^2/NDF:22.5/12

Left: 0.000+/-0.004 χ^2/NDF: 42.0/26

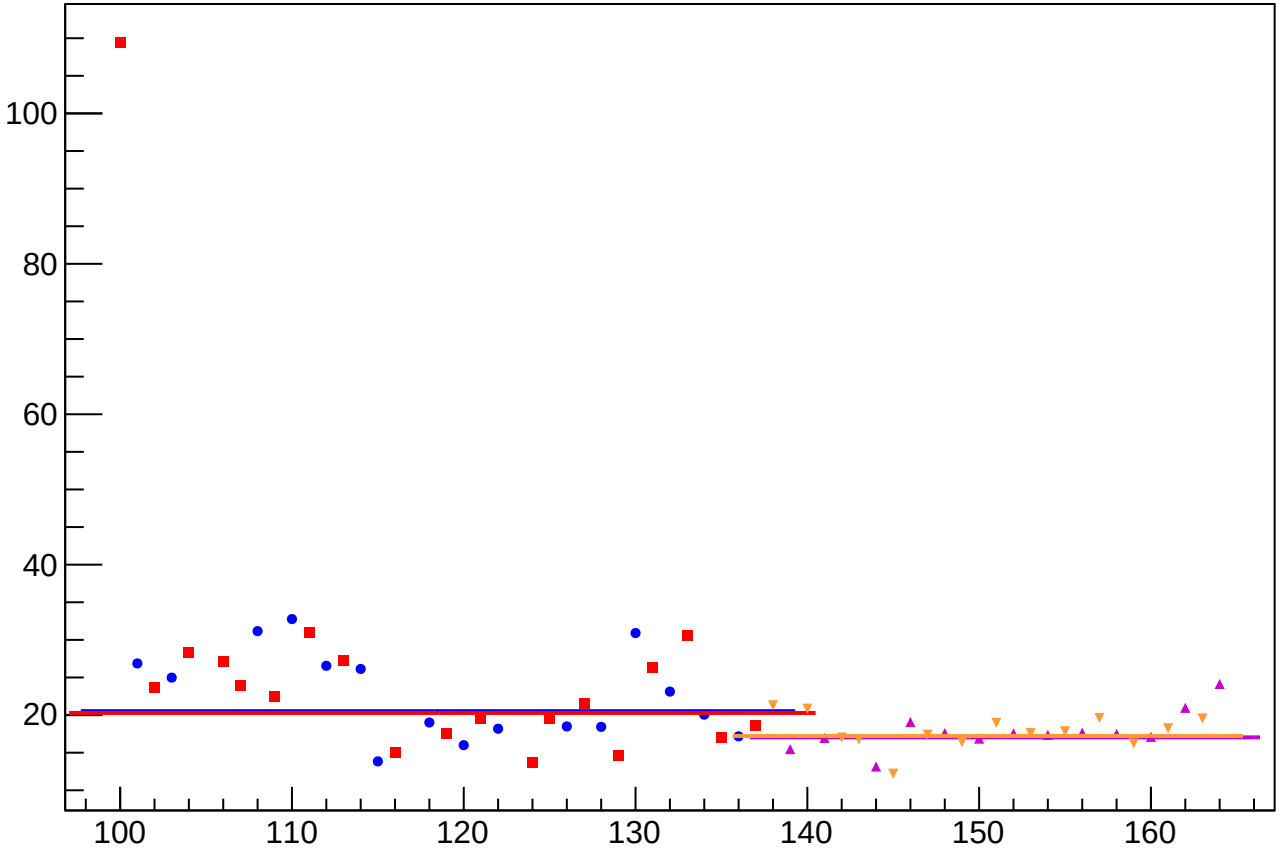
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.8/28

Out: -0.001+/-0.004 χ^2/NDF:36.3/32

All: -0.001+/-0.003 χ^2/NDF: 67.1/61

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: 17.225+/-0.004 χ^2/NDF:434187.5/13

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 17.038+/-0.004 χ^2/NDF:335236.2/12

Left: 17.132+/-0.003 χ^2/NDF: 770683.5/26

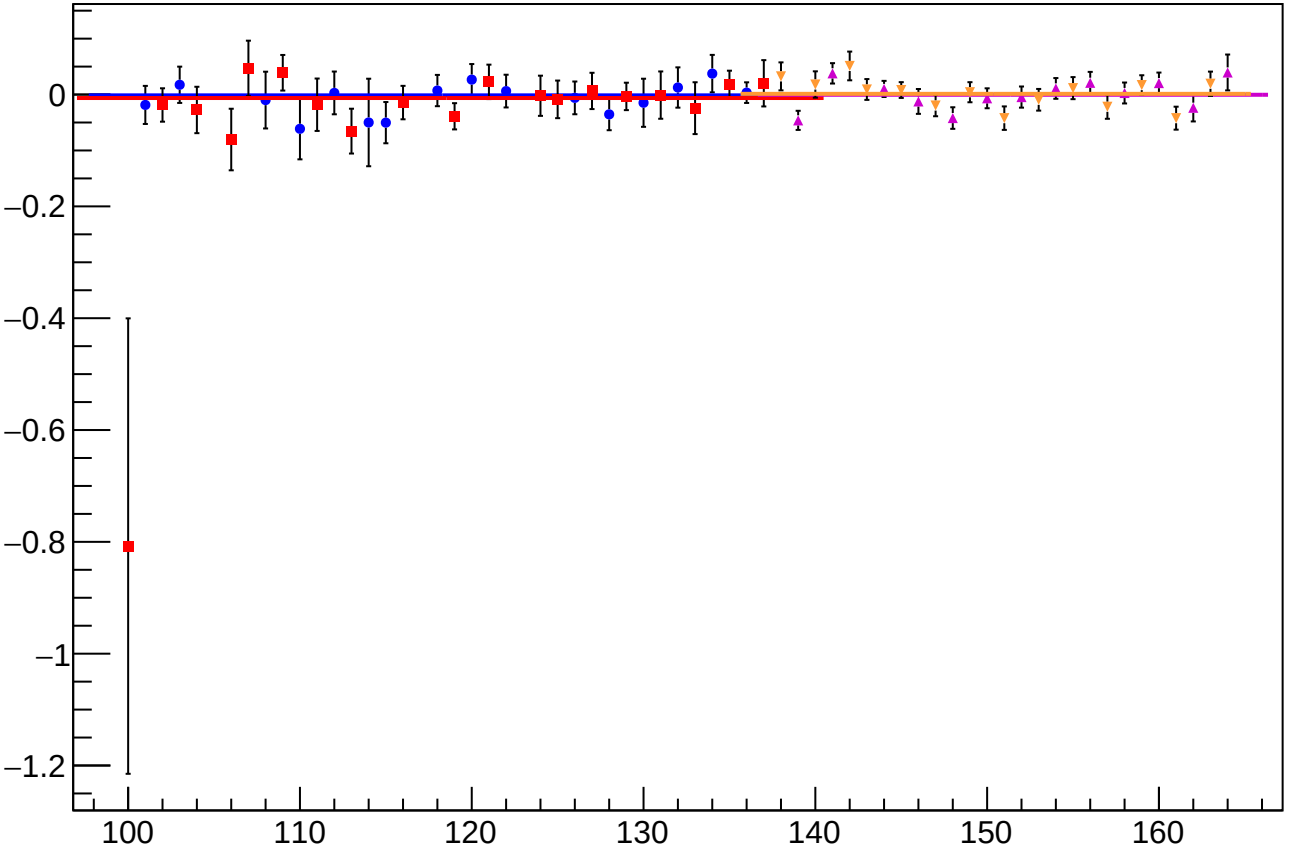
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.086+/-0.003 χ^2/NDF:1302266.2/28

Out: 18.169+/-0.003 χ^2/NDF:1506269.9/32

All: 18.128+/-0.002 χ^2/NDF: 2808889.0/61

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: 0.001+/-0.005 χ^2/NDF:19.4/13

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.000+/-0.005 χ^2/NDF:22.5/12

Left: 0.000+/-0.004 χ^2/NDF: 42.0/26

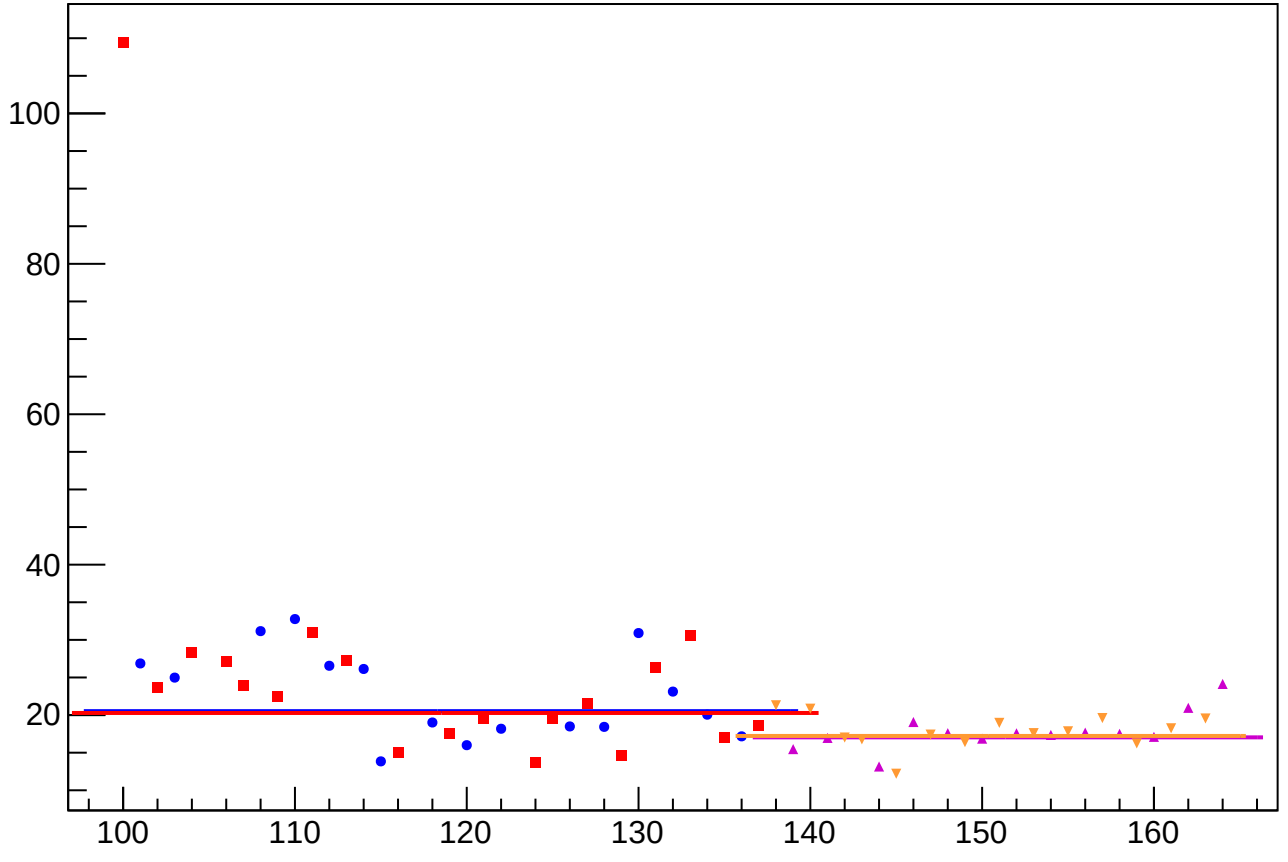
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:30.8/28

Out: -0.001+/-0.004 χ^2/NDF:36.3/32

All: -0.001+/-0.003 χ^2/NDF: 67.1/61

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: 17.225+/-0.004 χ^2/NDF:434187.5/13

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 17.038+/-0.004 χ^2/NDF:335236.2/12

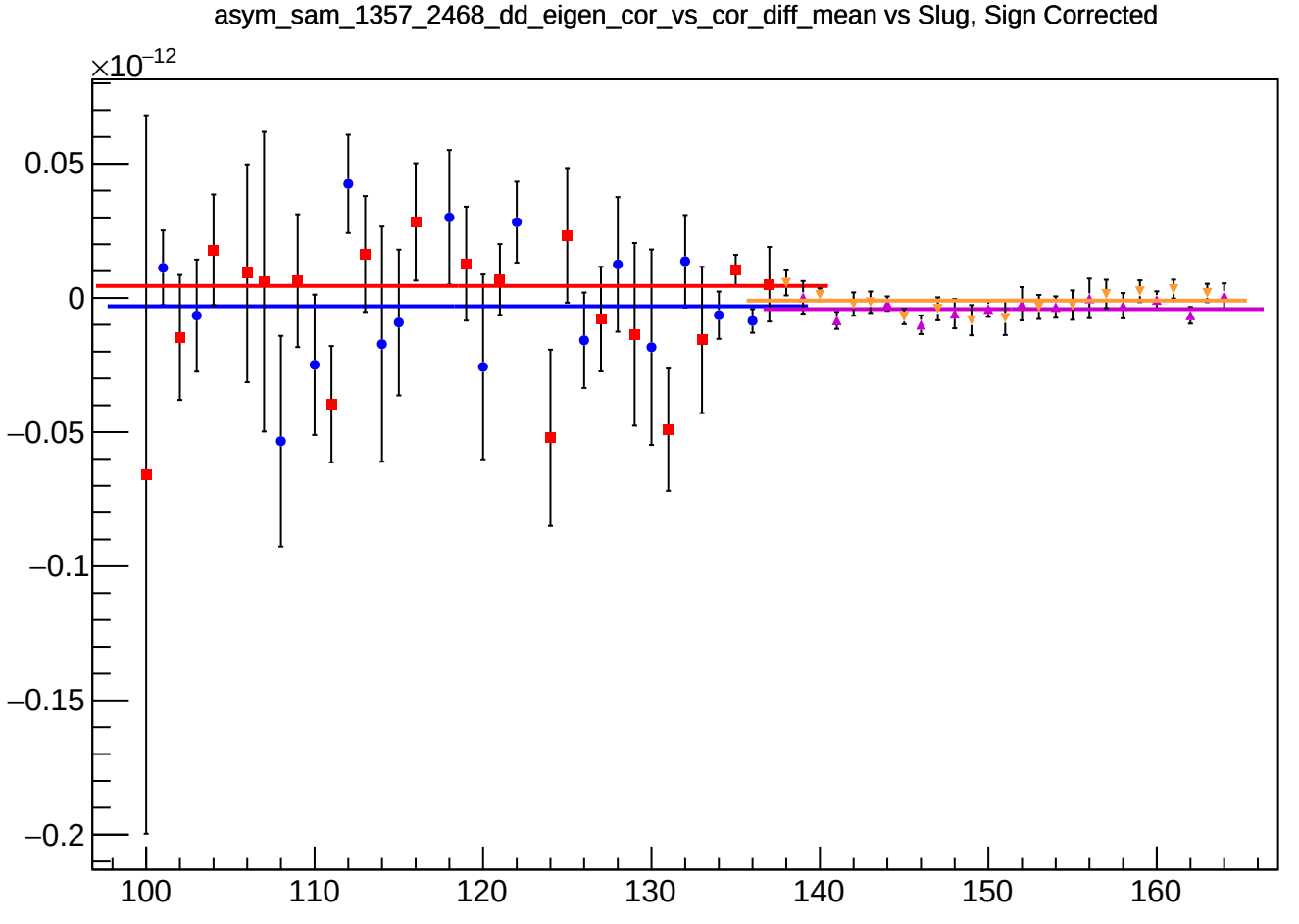
Left: 17.132+/-0.003 χ^2/NDF: 770683.5/26

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.086+/-0.003 χ^2/NDF:1302266.2/28

Out: 18.169+/-0.003 χ^2/NDF:1506269.9/32

All: 18.128+/-0.002 χ^2/NDF: 2808889.0/61



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.0/12

Left: -0.000+/-0.000 χ^2/NDF: 27.8/26

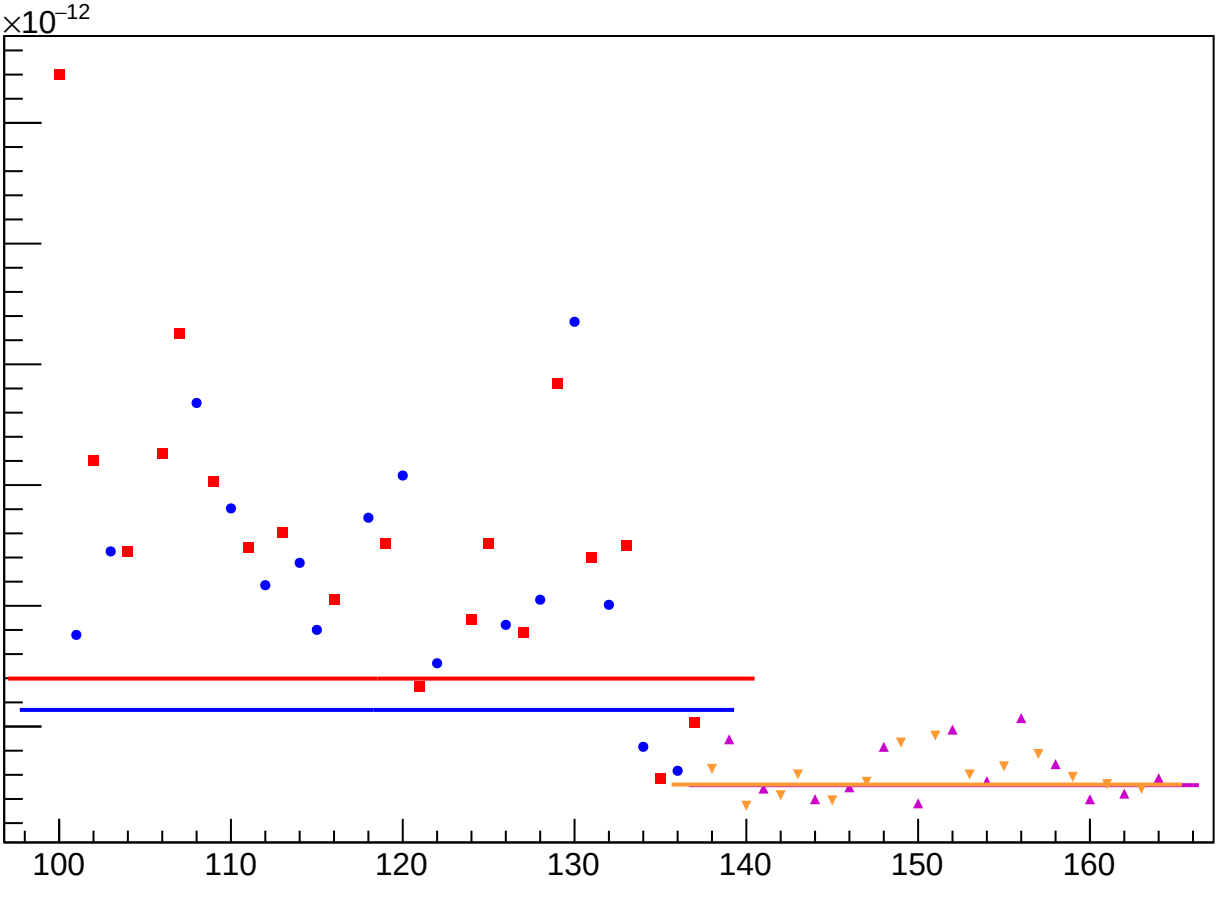
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:29.1/28

Out: -0.000+/-0.000 χ^2/NDF:34.7/32

All: -0.000+/-0.000 χ^2/NDF: 69.6/61

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1044652.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1319166.7/12

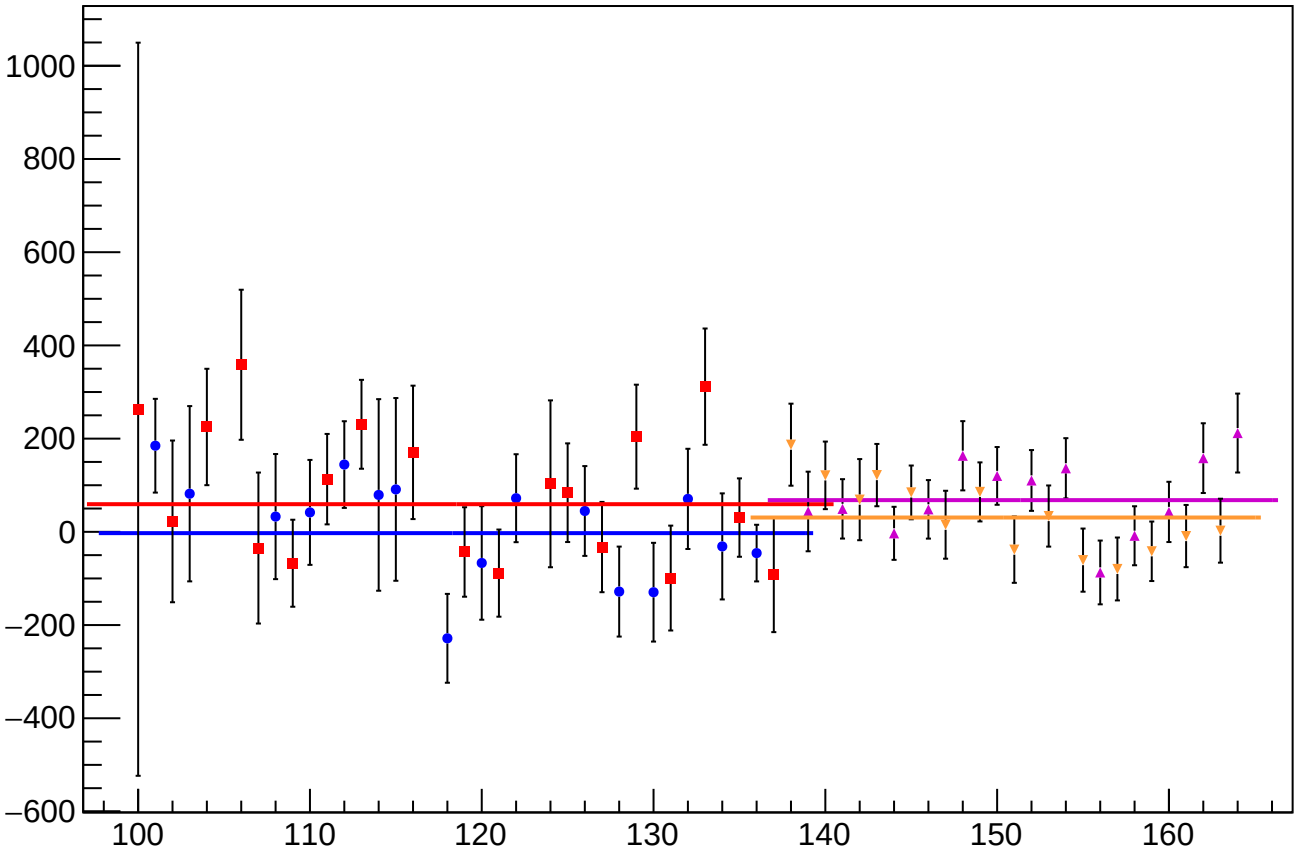
Left: 0.000+/-0.000 χ^2/NDF: 2364440.0/26

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:5682759.6/28

Out: 0.000+/-0.000 χ^2/NDF:6556403.2/32

All: 0.000+/-0.000 χ^2/NDF: 12239770.8/61



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 30.750+/-18.373 χ^2/NDF:15.7/13

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 68.048+/-18.624 χ^2/NDF:16.8/12

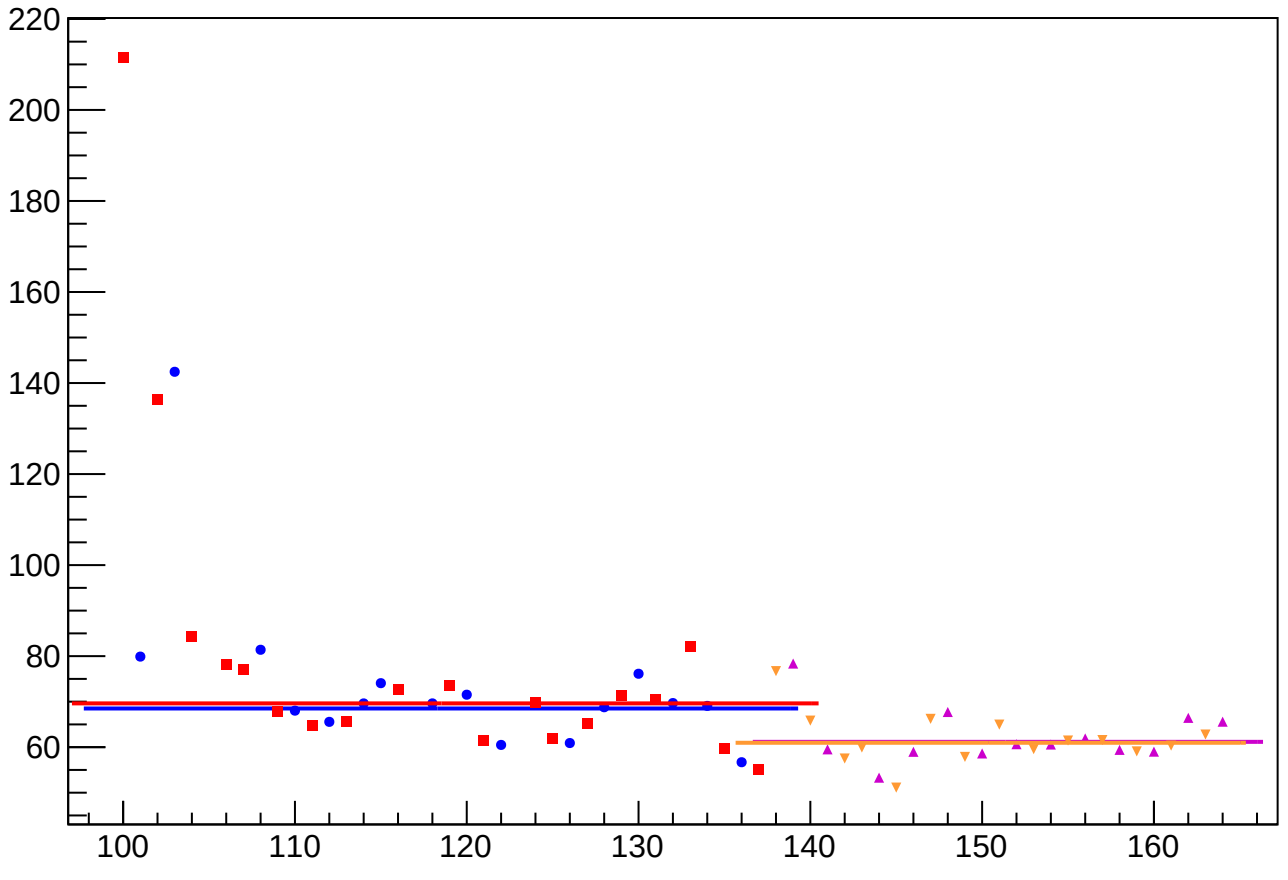
Left: 49.145+/-13.080 χ^2/NDF: 34.5/26

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 44.292+/-15.182 χ^2/NDF:39.4/28

Out: 40.090+/-15.077 χ^2/NDF:42.2/32

All: 42.176+/-10.698 χ^2/NDF: 81.6/61



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.968+/-0.013 χ^2/NDF:160913.9/13

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 61.170+/-0.013 χ^2/NDF:161769.2/12

Left: 61.068+/-0.009 χ^2/NDF: 322802.8/26

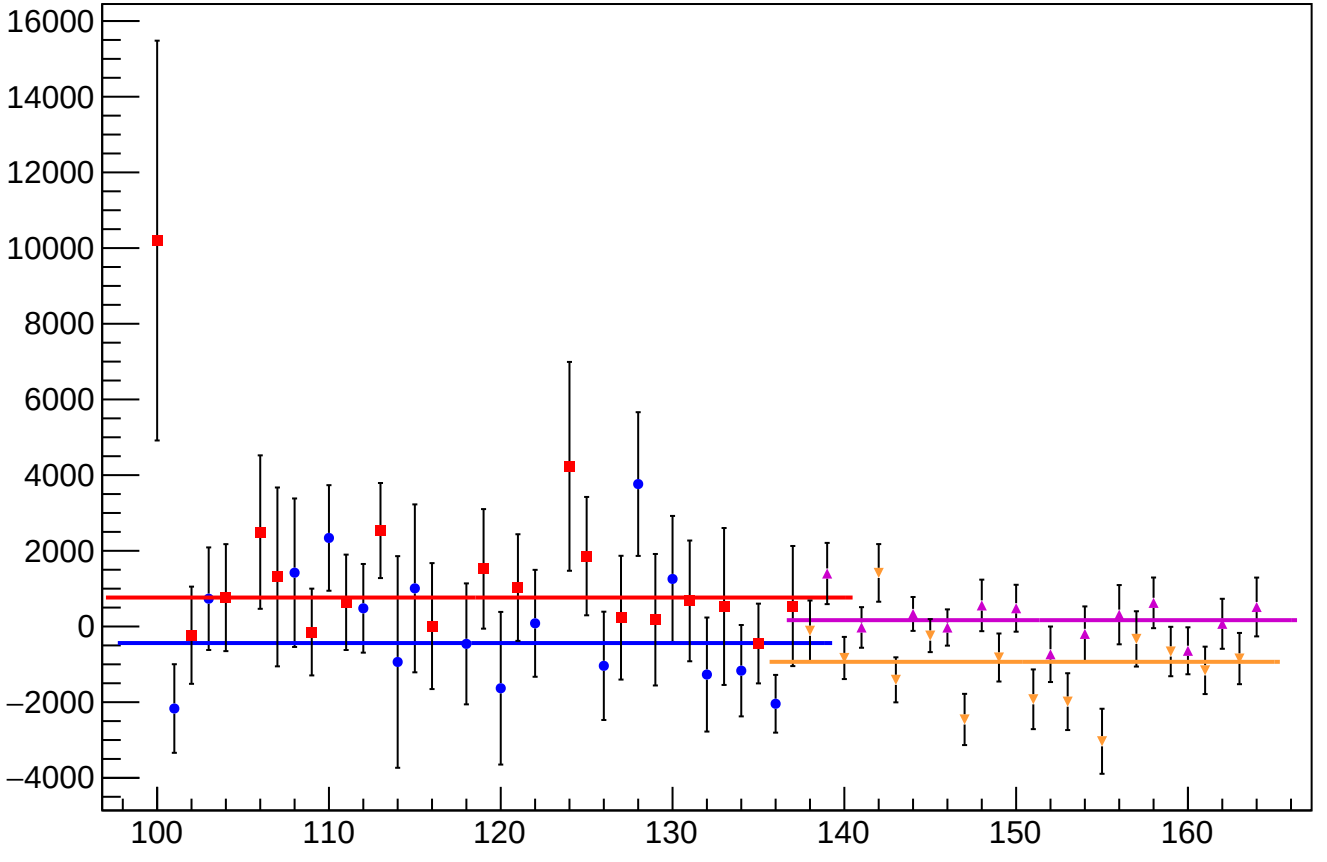
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 63.629+/-0.011 χ^2/NDF:737516.9/28

Out: 63.793+/-0.011 χ^2/NDF:826167.3/32

All: 63.712+/-0.008 χ^2/NDF: 1563802.8/61

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: -933.510+/-174.239 χ^2/NDF:29.4/13

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 167.436+/-173.374 χ^2/NDF:7.5/12

Left: -380.296+/-122.899 χ^2/NDF: 57.0/26

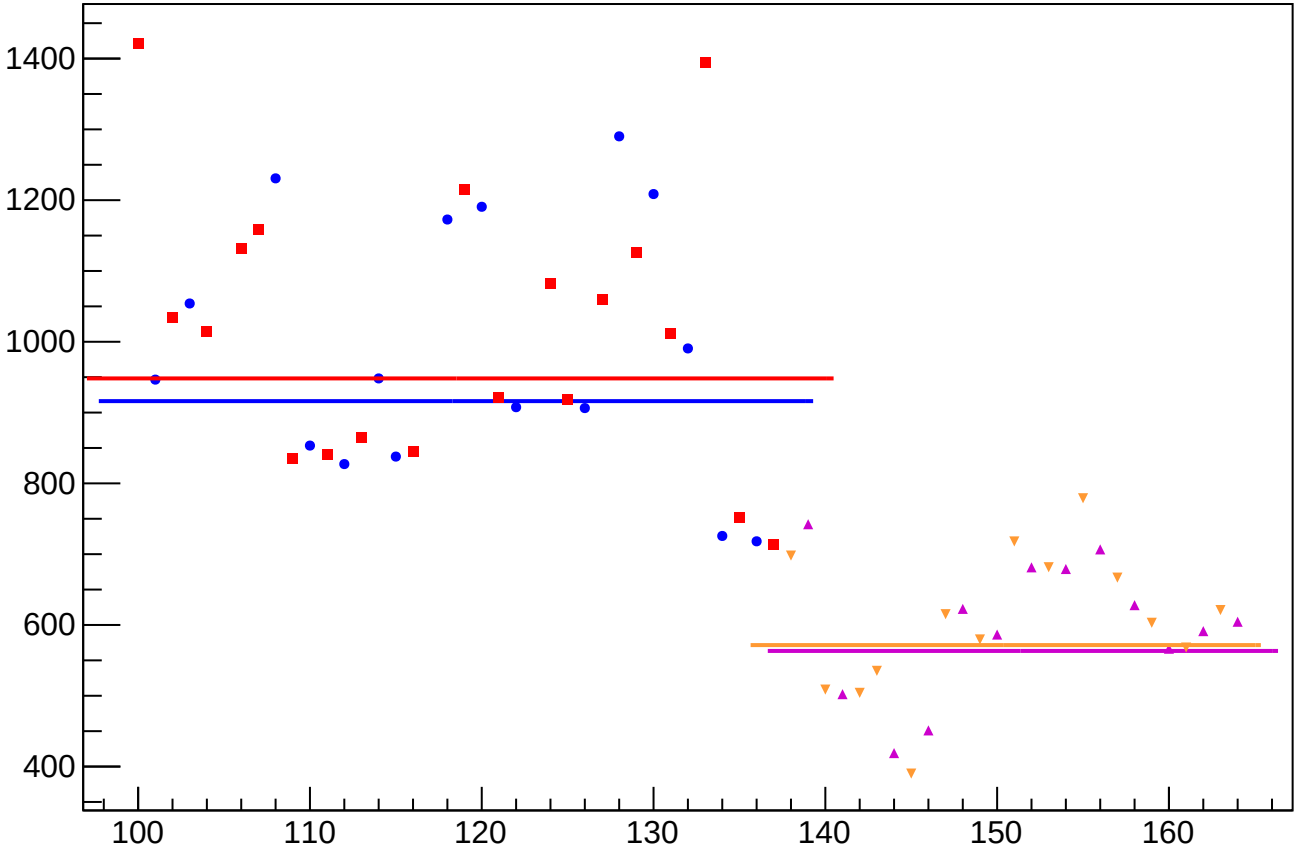
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 47.642+/-155.260 χ^2/NDF:30.5/28

Out: -600.772+/-156.247 χ^2/NDF:59.3/32

All: -274.510+/-110.133 χ^2/NDF: 98.5/61

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: 571.578+/-0.123 χ^2/NDF:730986.0/13

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 563.315+/-0.123 χ^2/NDF:656890.5/12

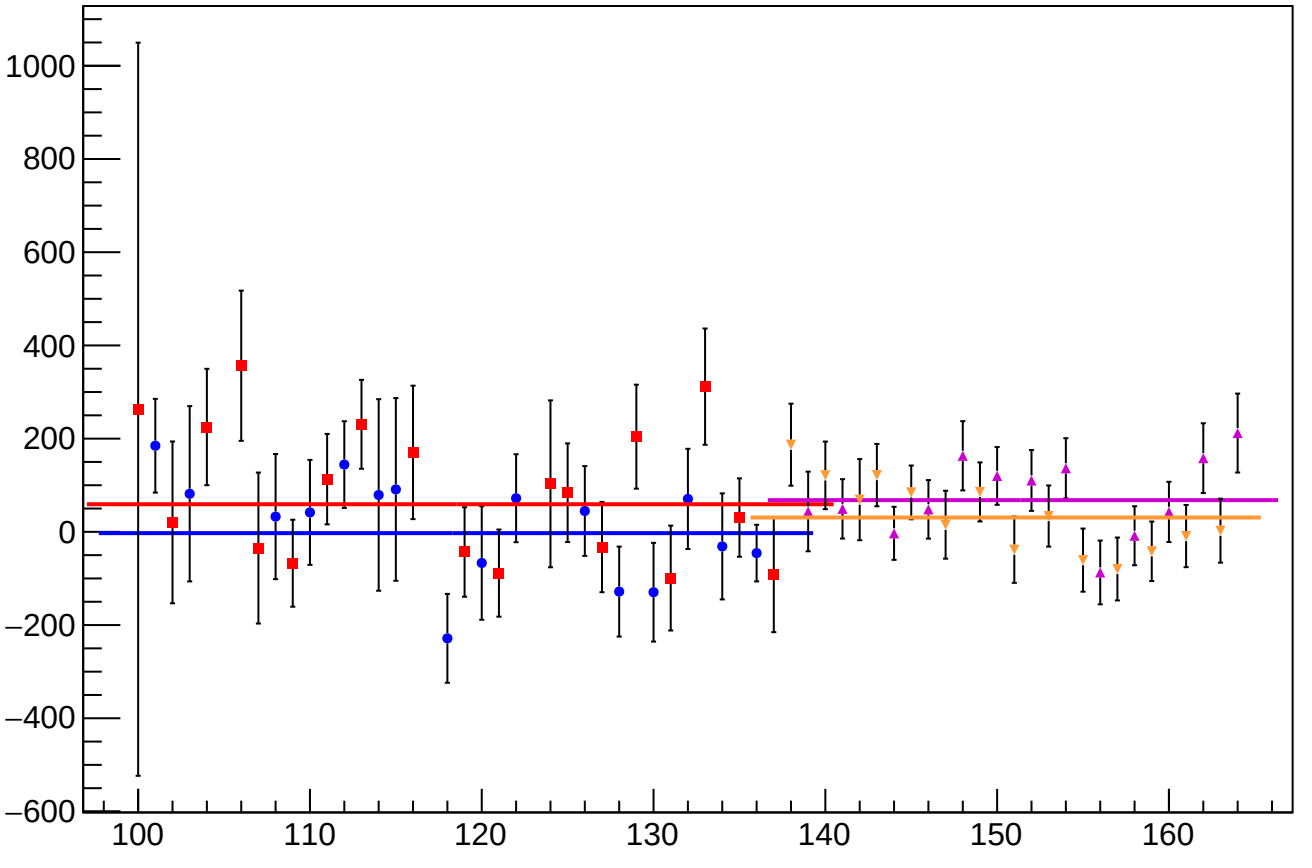
Left: 567.426+/-0.087 χ^2/NDF: 1390137.0/26

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 633.197+/-0.110 χ^2/NDF:2806690.9/28

Out: 645.351+/-0.110 χ^2/NDF:2976704.0/32

All: 639.235+/-0.078 χ^2/NDF: 5789484.0/61



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 30.753+/-18.373 χ^2/NDF:15.7/13

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 68.048+/-18.624 χ^2/NDF:16.8/12

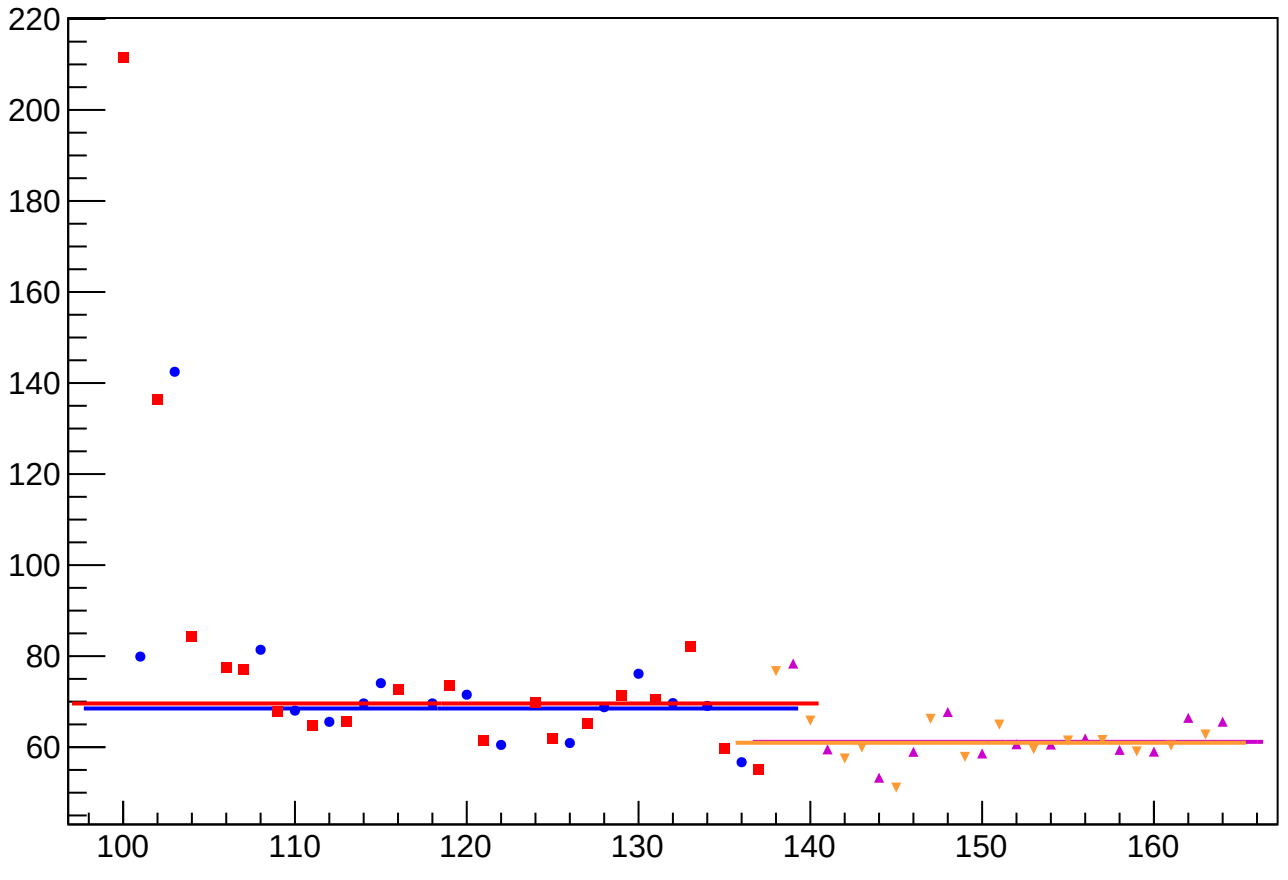
Left: 49.147+/-13.080 χ^2/NDF: 34.5/26

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 44.290+/-15.182 χ^2/NDF:39.4/28

Out: 40.052+/-15.077 χ^2/NDF:42.1/32

All: 42.156+/-10.698 χ^2/NDF: 81.5/61



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.968+/-0.013 χ^2/NDF:160913.9/13

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.170+/-0.013 χ^2/NDF:161769.2/12

Left: 61.068+/-0.009 χ^2/NDF: 322802.8/26

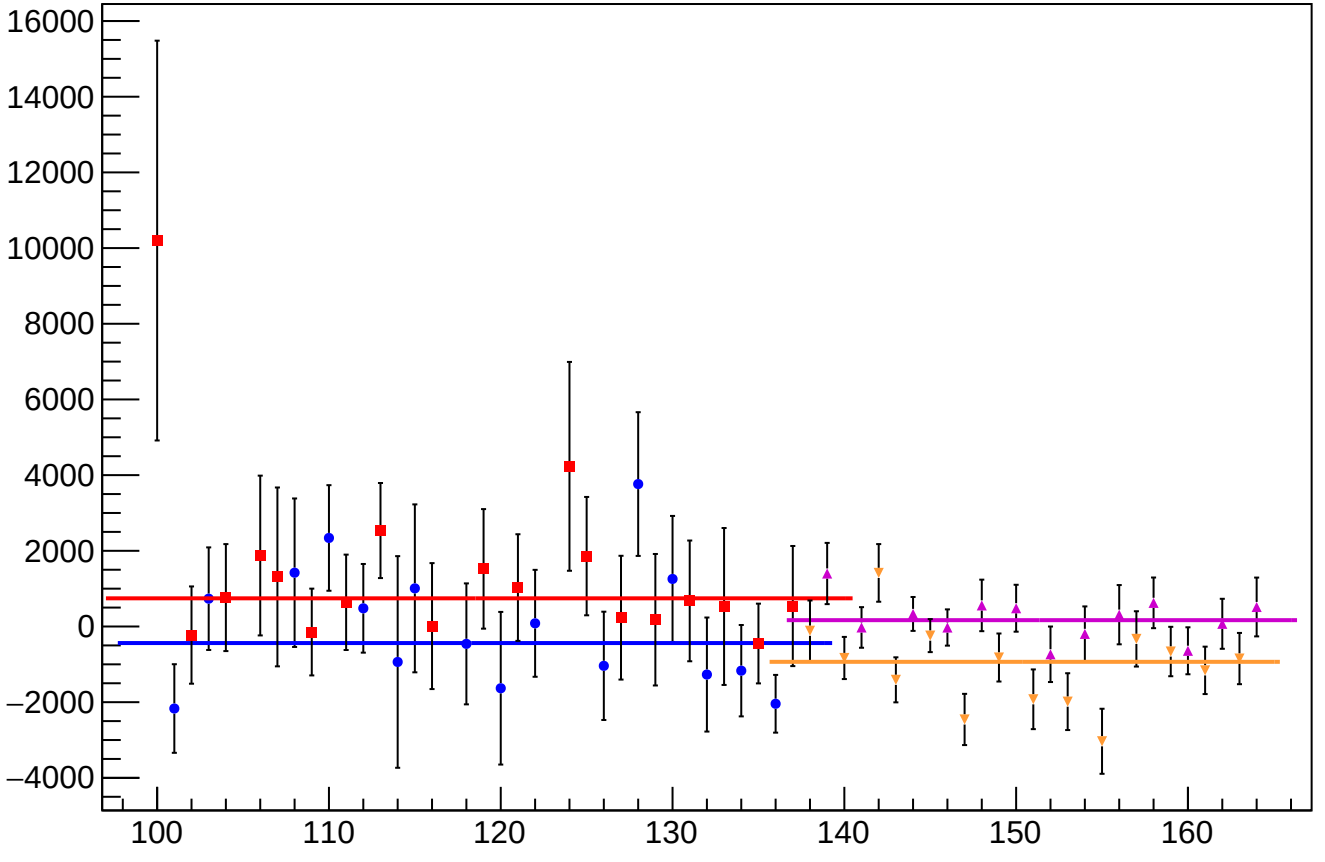
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.629+/-0.011 χ^2/NDF:737519.8/28

Out: 63.787+/-0.011 χ^2/NDF:824900.4/32

All: 63.708+/-0.008 χ^2/NDF: 1562529.8/61

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: -933.505+/-174.239 χ^2/NDF:29.4/13

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 167.439+/-173.374 χ^2/NDF:7.5/12

Left: -380.293+/-122.899 χ^2/NDF: 57.0/26

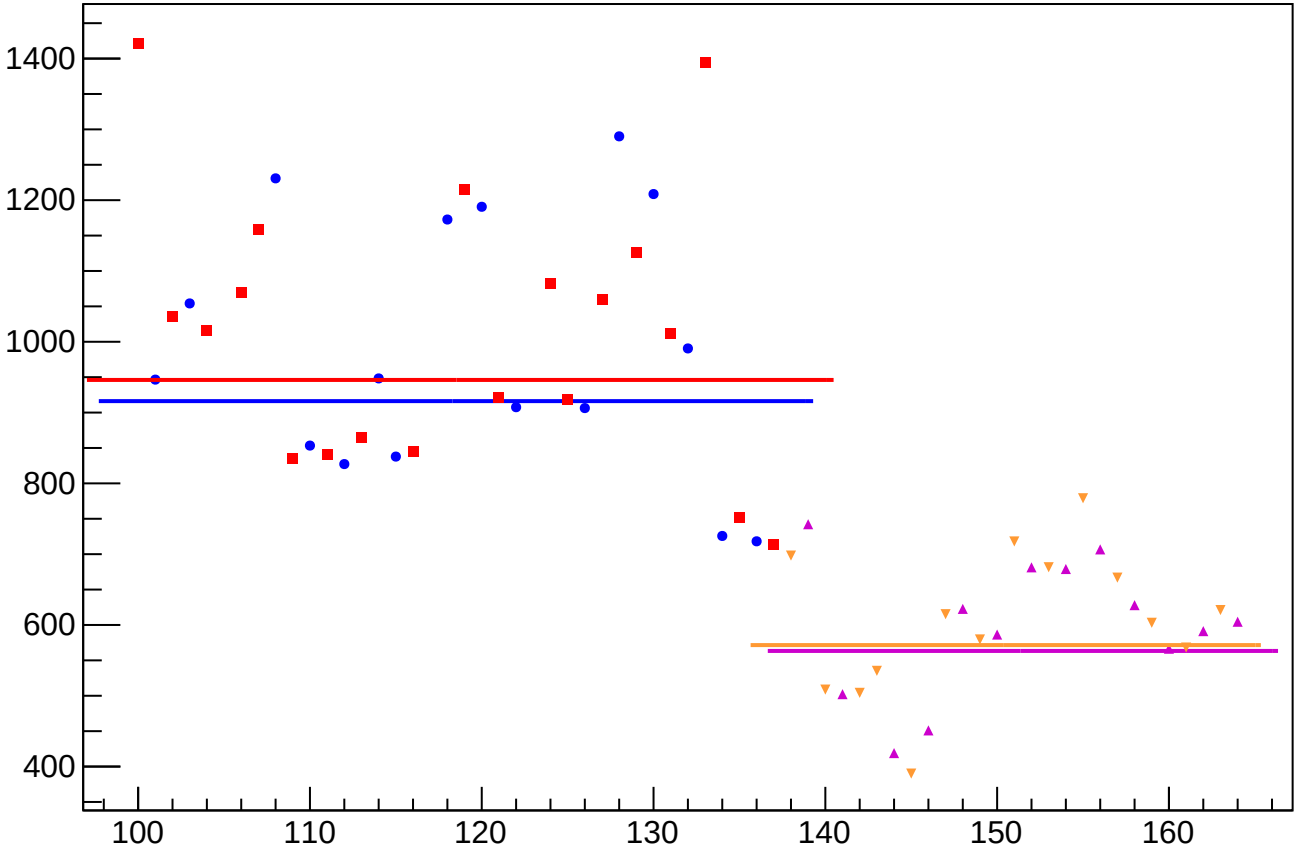
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 47.651+/-155.260 χ^2/NDF:30.5/28

Out: -605.525+/-156.285 χ^2/NDF:58.4/32

All: -276.788+/-110.146 χ^2/NDF: 97.6/61

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: 571.578+/-0.123 χ^2/NDF:730989.2/13

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 563.315+/-0.123 χ^2/NDF:656888.4/12

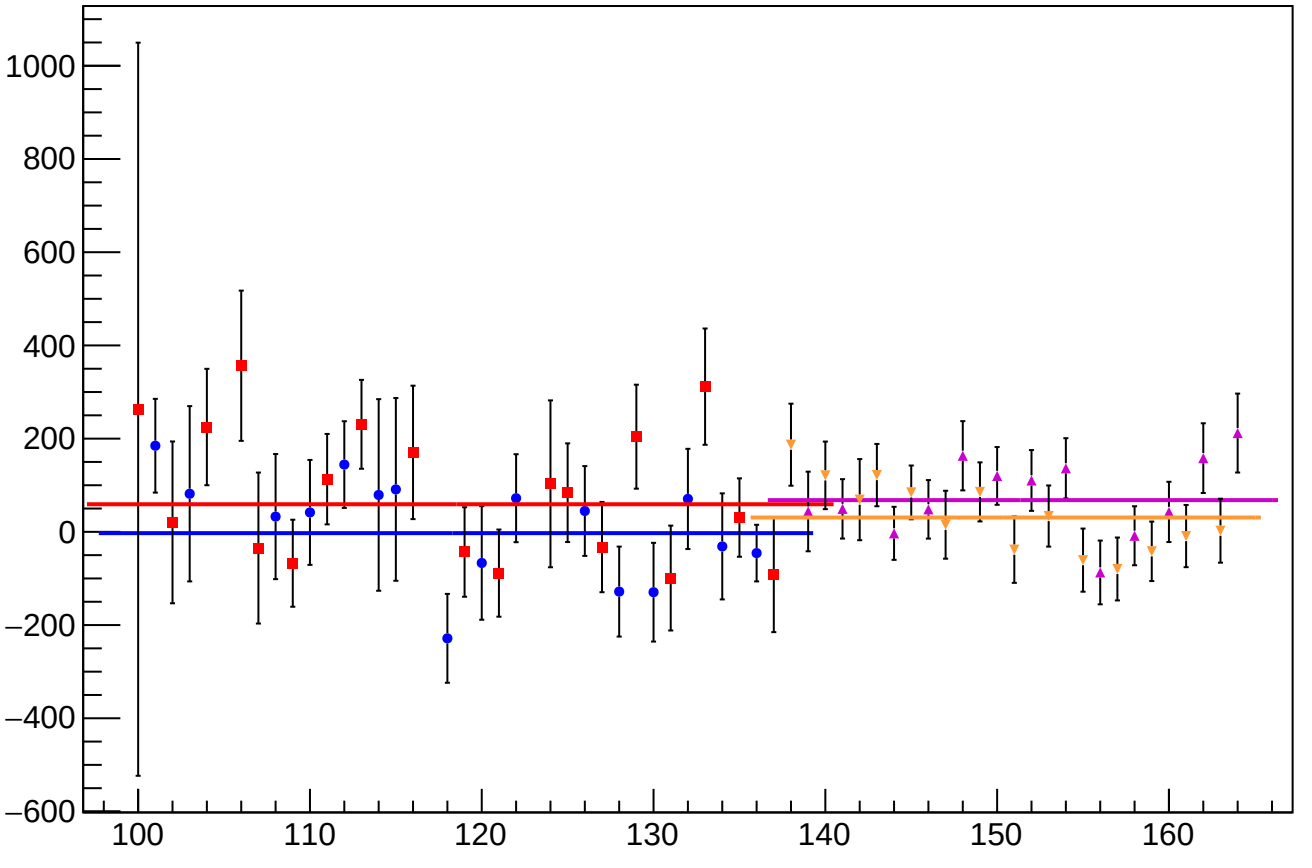
Left: 567.426+/-0.087 χ^2/NDF: 1390137.8/26

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 633.197+/-0.110 χ^2/NDF:2806732.4/28

Out: 644.785+/-0.111 χ^2/NDF:2942572.1/32

All: 638.953+/-0.078 χ^2/NDF: 5754838.7/61



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 30.753+/-18.373 χ^2/NDF:15.7/13

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 68.048+/-18.624 χ^2/NDF:16.8/12

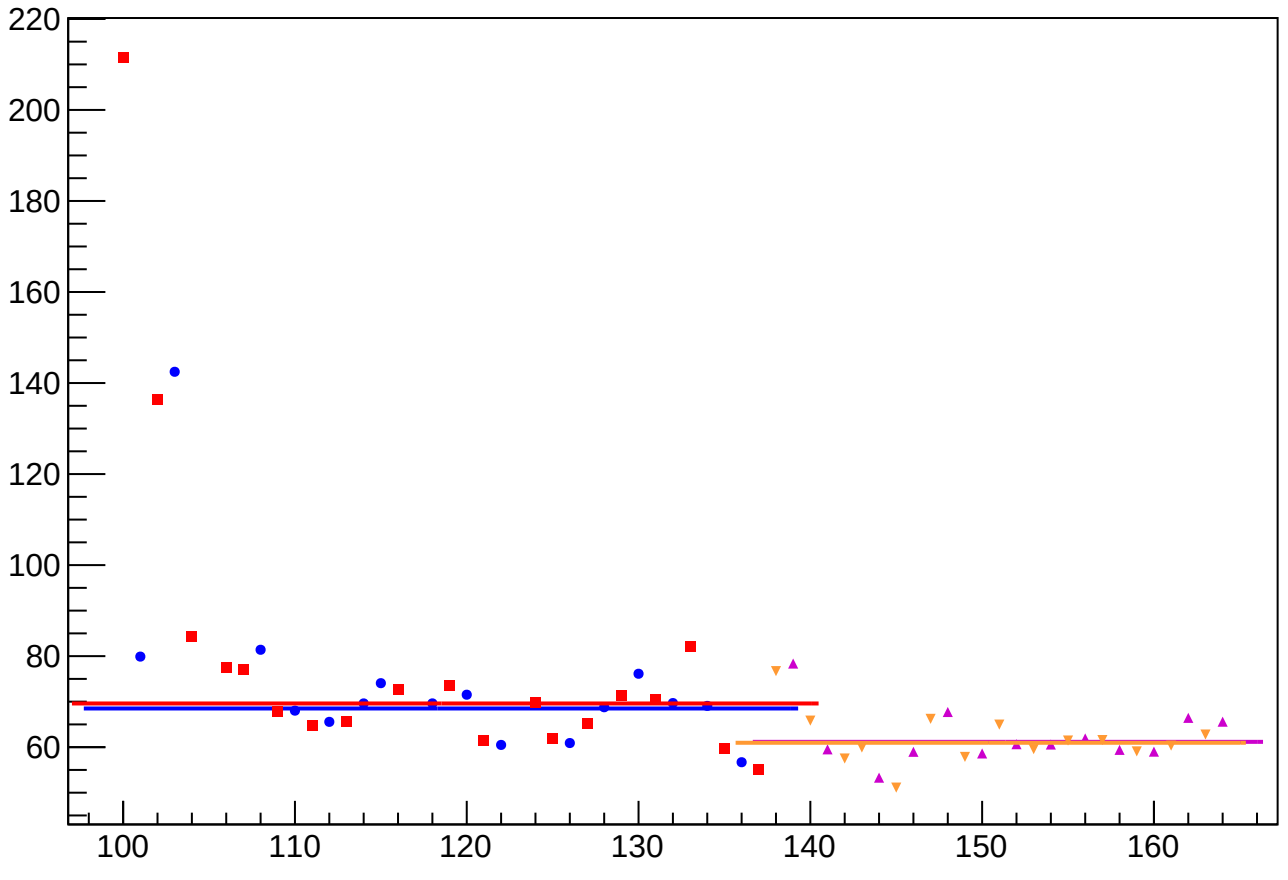
Left: 49.147+/-13.080 χ^2/NDF: 34.5/26

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 44.290+/-15.182 χ^2/NDF:39.4/28

Out: 40.052+/-15.077 χ^2/NDF:42.1/32

All: 42.156+/-10.698 χ^2/NDF: 81.5/61



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.968+/-0.013 χ^2/NDF:160913.9/13

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 61.170+/-0.013 χ^2/NDF:161769.2/12

Left: 61.068+/-0.009 χ^2/NDF: 322802.8/26

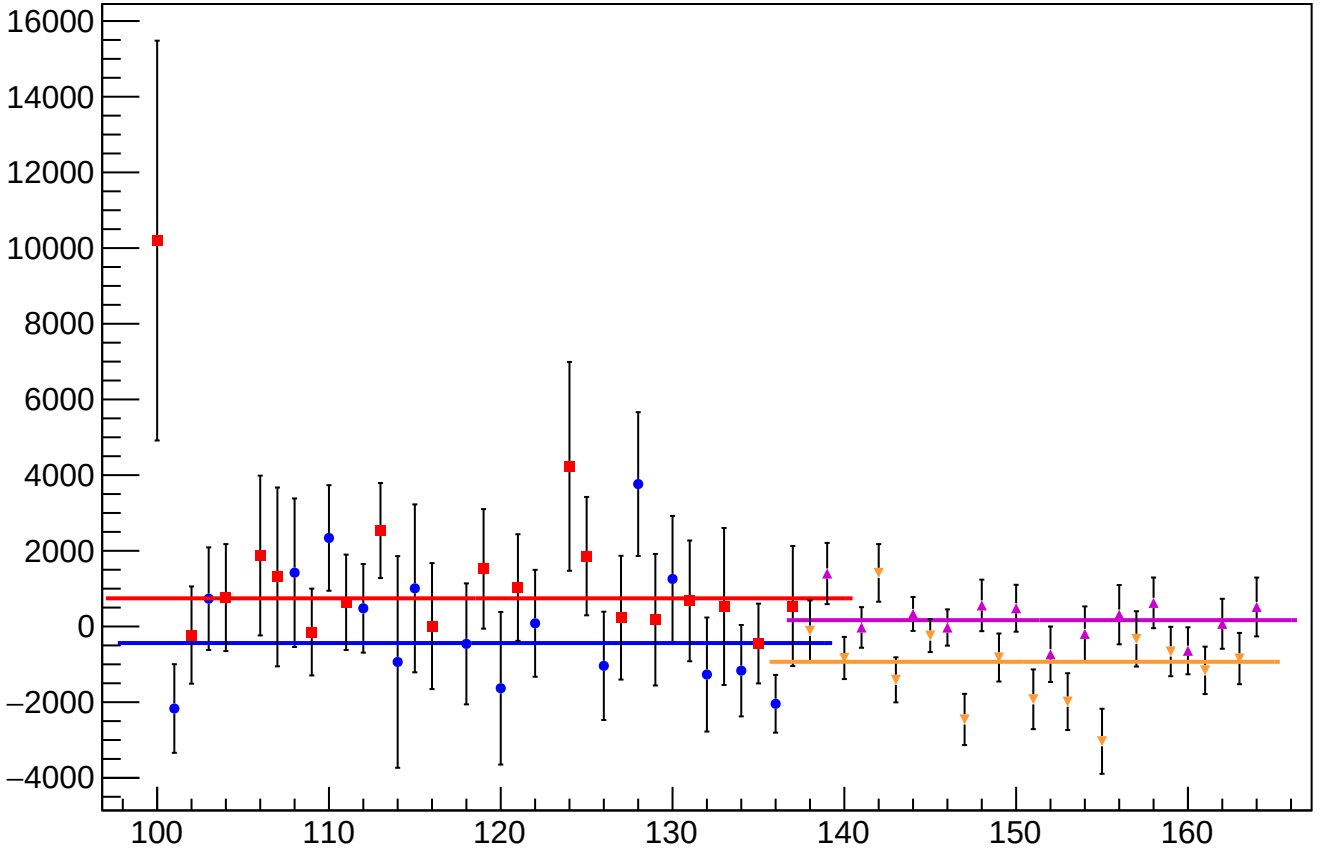
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.629+/-0.011 χ^2/NDF:737519.8/28

Out: 63.787+/-0.011 χ^2/NDF:824900.4/32

All: 63.708+/-0.008 χ^2/NDF: 1562529.8/61

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: -933.505+/-174.239 χ^2/NDF:29.4/13

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 167.439+/-173.374 χ^2/NDF:7.5/12

Left: -380.293+/-122.899 χ^2/NDF: 57.0/26

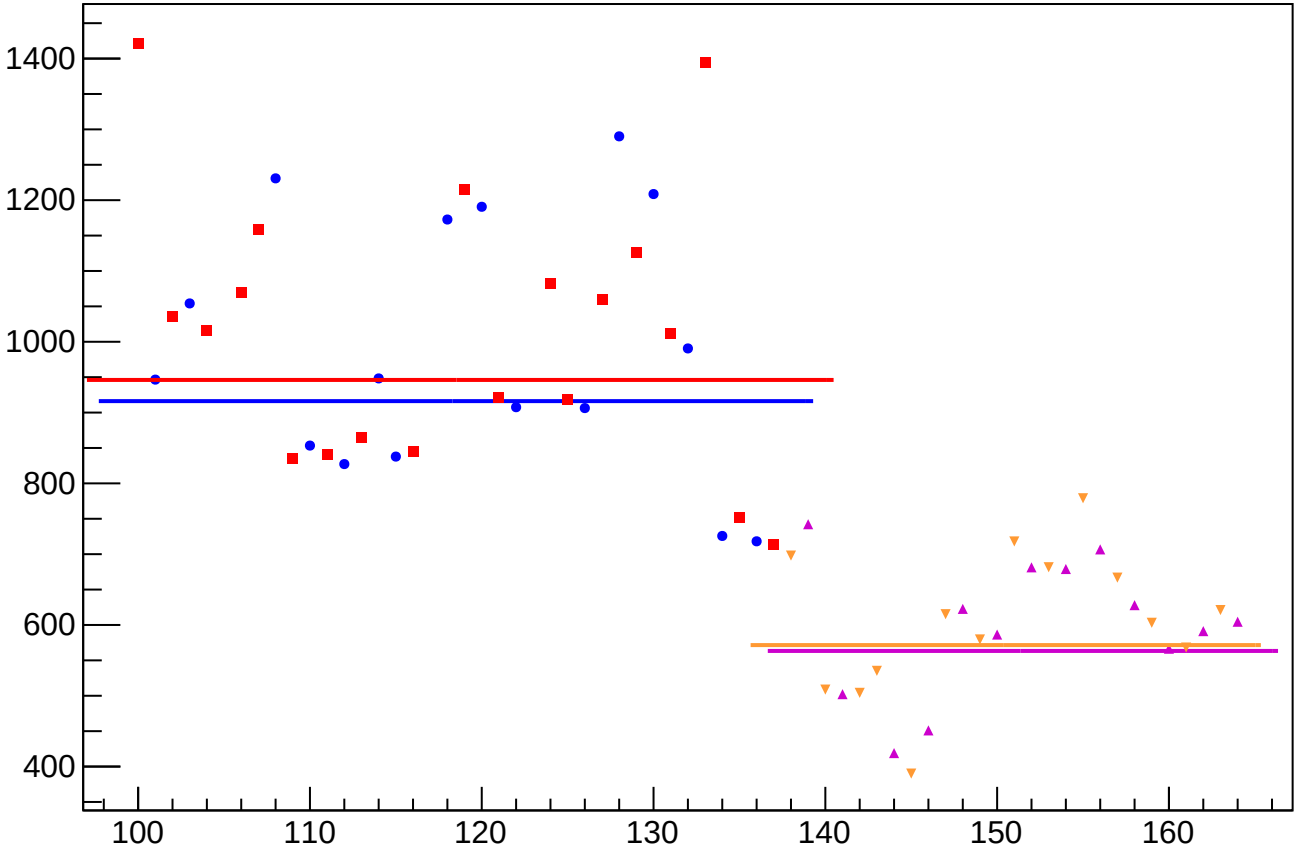
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 47.651+/-155.260 χ^2/NDF:30.5/28

Out: -605.525+/-156.285 χ^2/NDF:58.4/32

All: -276.788+/-110.146 χ^2/NDF: 97.6/61

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: 571.578+/-0.123 χ^2/NDF:730989.2/13

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 563.315+/-0.123 χ^2/NDF:656888.4/12

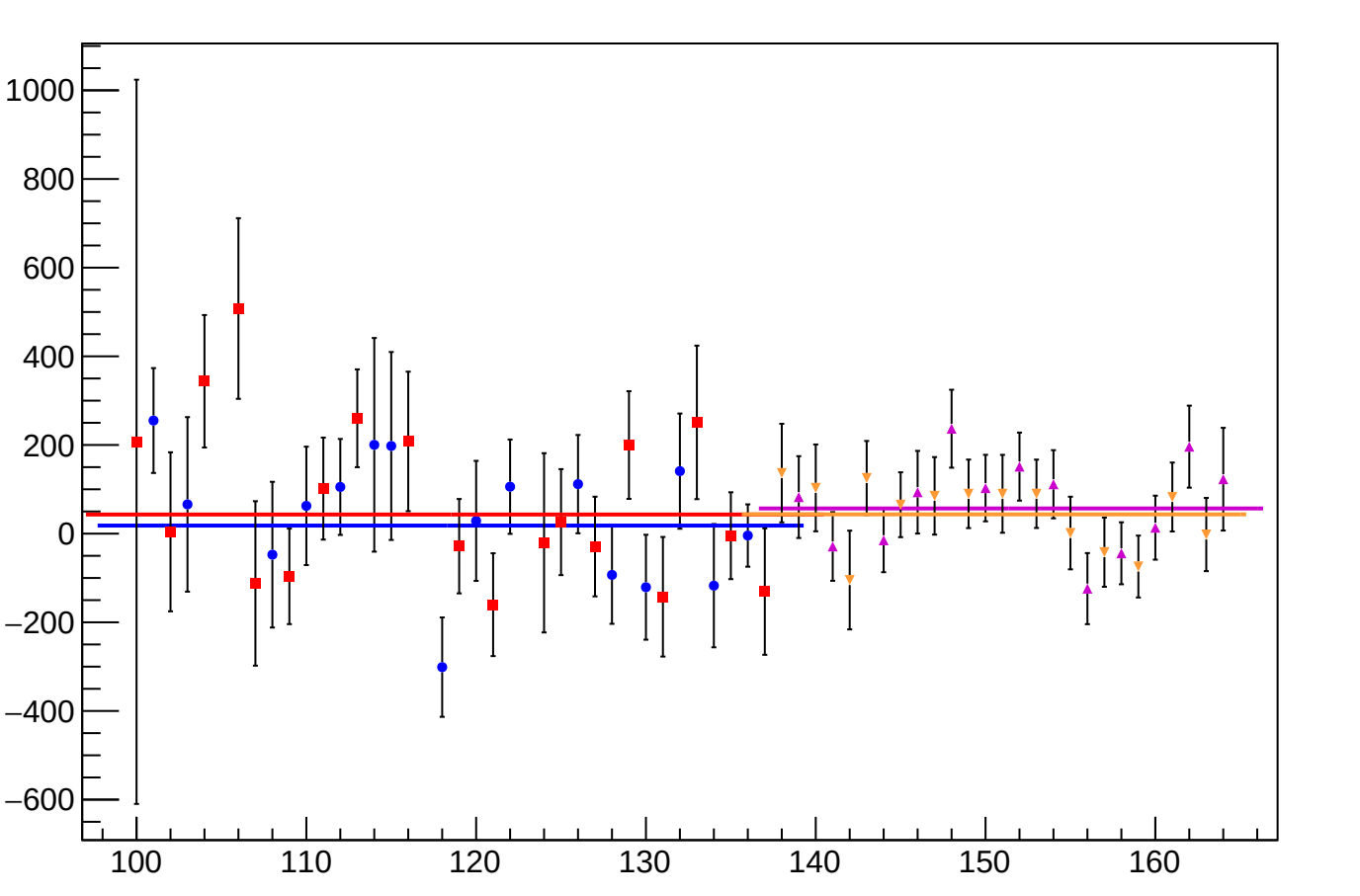
Left: 567.426+/-0.087 χ^2/NDF: 1390137.8/26

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 633.197+/-0.110 χ^2/NDF:2806732.4/28

Out: 644.785+/-0.111 χ^2/NDF:2942572.1/32

All: 638.953+/-0.078 χ^2/NDF: 5754838.7/61



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 43.492+/-22.237 χ^2/NDF:10.0/13

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 56.781+/-22.466 χ^2/NDF:19.2/12

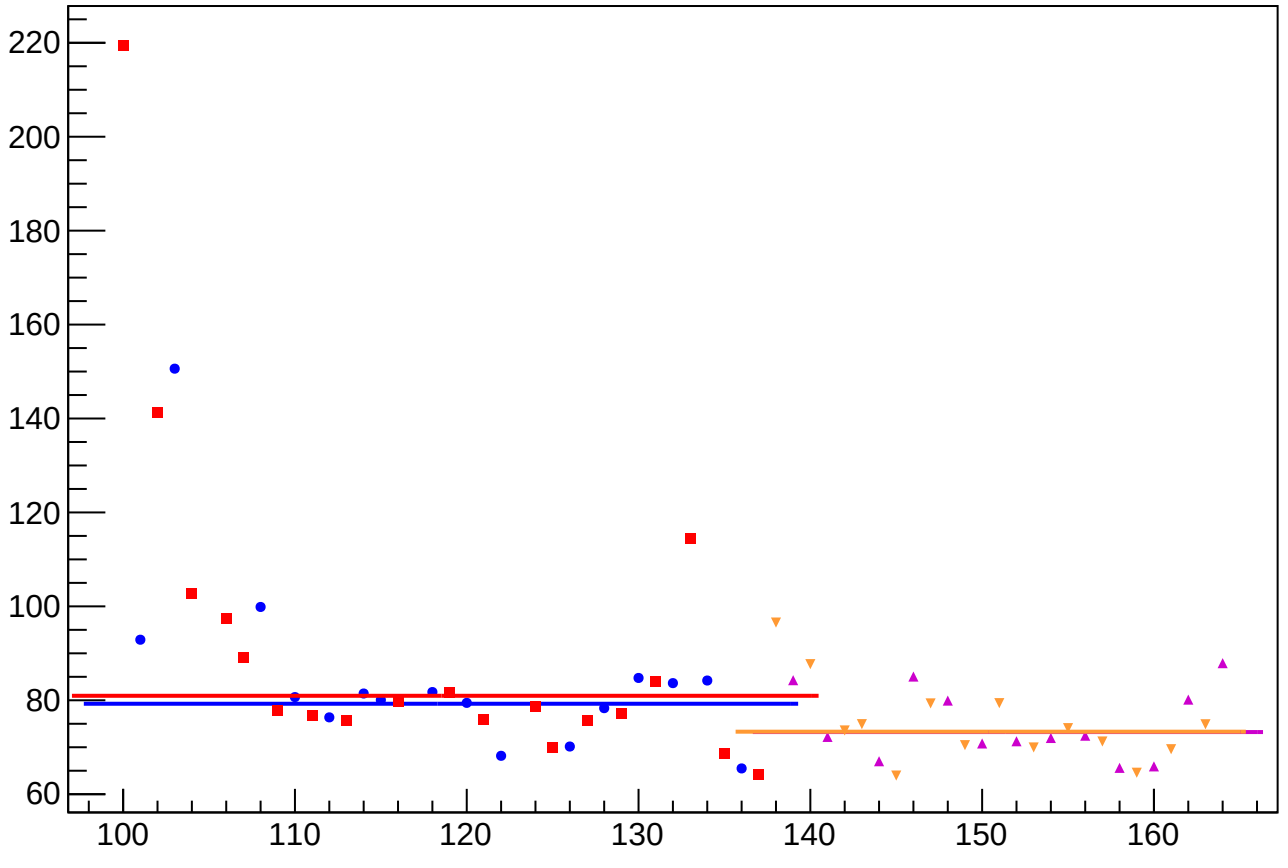
Left: 50.069+/-15.804 χ^2/NDF: 29.3/26

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 43.114+/-18.056 χ^2/NDF:40.3/28

Out: 43.373+/-18.010 χ^2/NDF:37.7/32

All: 43.244+/-12.751 χ^2/NDF: 78.0/61



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.315+/-0.016 χ^2/NDF:227786.8/13

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 73.235+/-0.016 χ^2/NDF:179250.7/12

Left: 73.275+/-0.011 χ^2/NDF: 407050.5/26

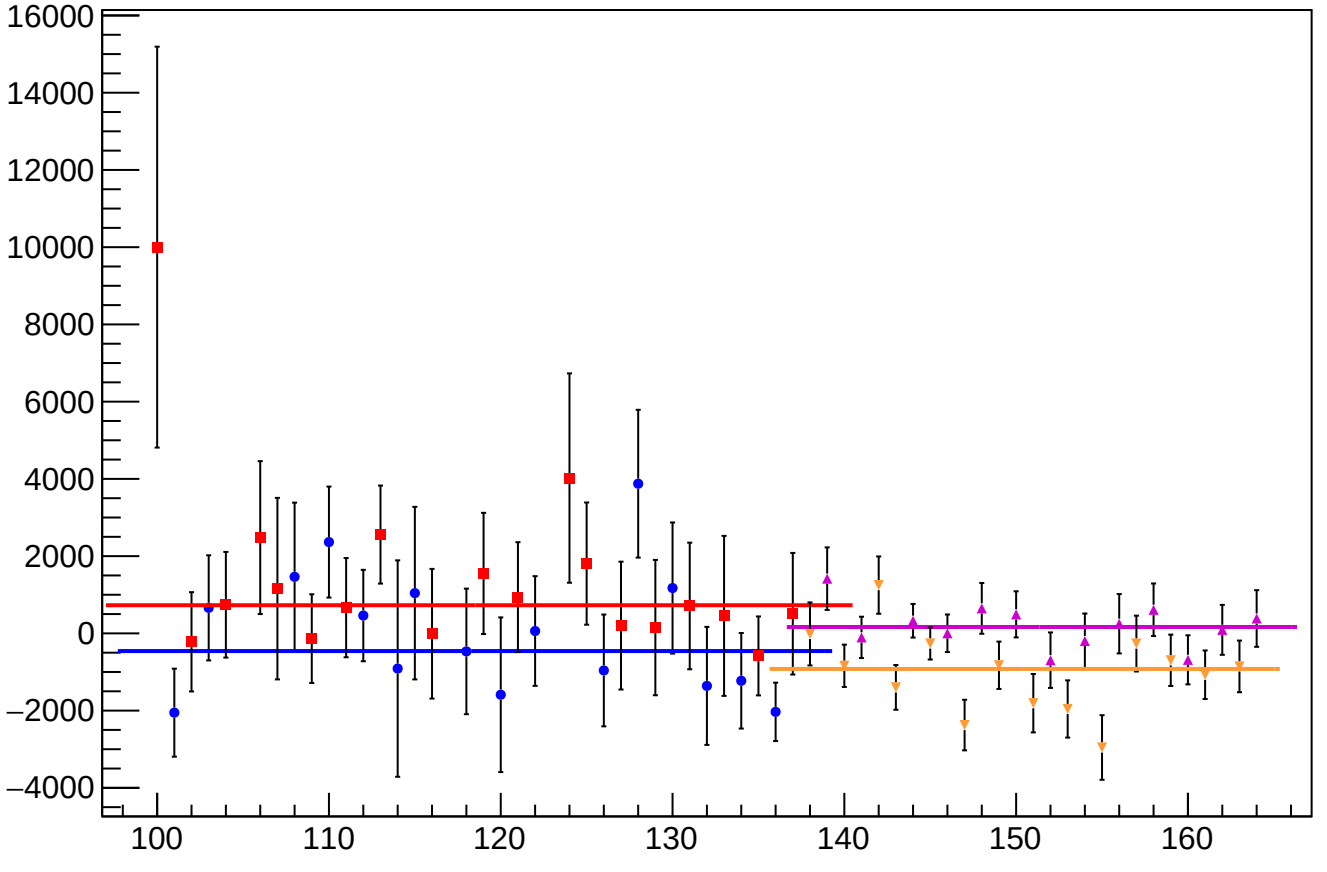
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 75.369+/-0.013 χ^2/NDF:675188.2/28

Out: 75.944+/-0.013 χ^2/NDF:823256.3/32

All: 75.657+/-0.009 χ^2/NDF: 1499462.9/61

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: -920.248+/-170.541 χ^2/NDF:28.2/13

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 165.522+/-171.168 χ^2/NDF:7.8/12

Left: -379.355+/-120.812 χ^2/NDF: 56.2/26

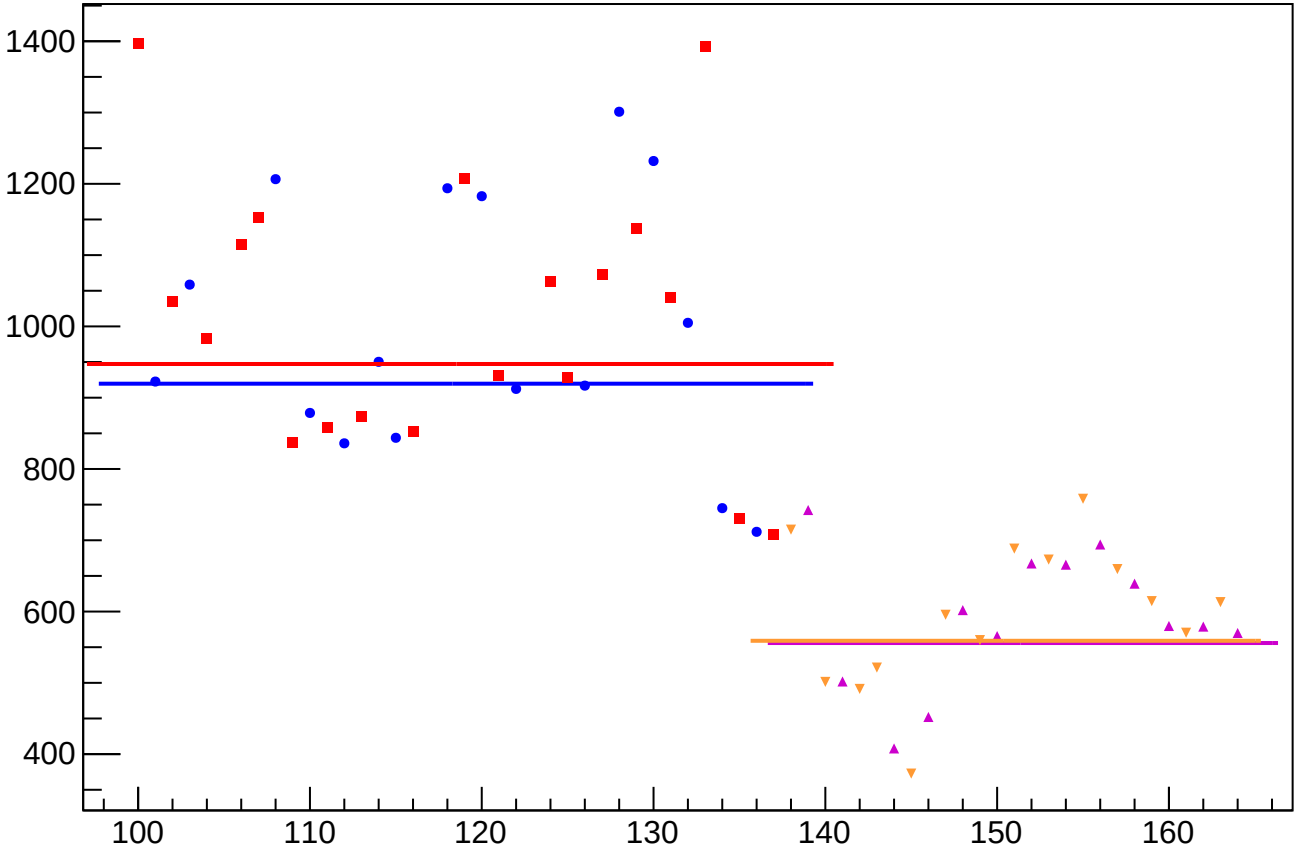
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 45.197+/-153.771 χ^2/NDF:30.6/28

Out: -607.587+/-153.524 χ^2/NDF:57.5/32

All: -281.719+/-108.645 χ^2/NDF: 97.1/61

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: 558.999+/-0.121 χ^2/NDF:815318.6/13

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 555.864+/-0.121 χ^2/NDF:655390.9/12

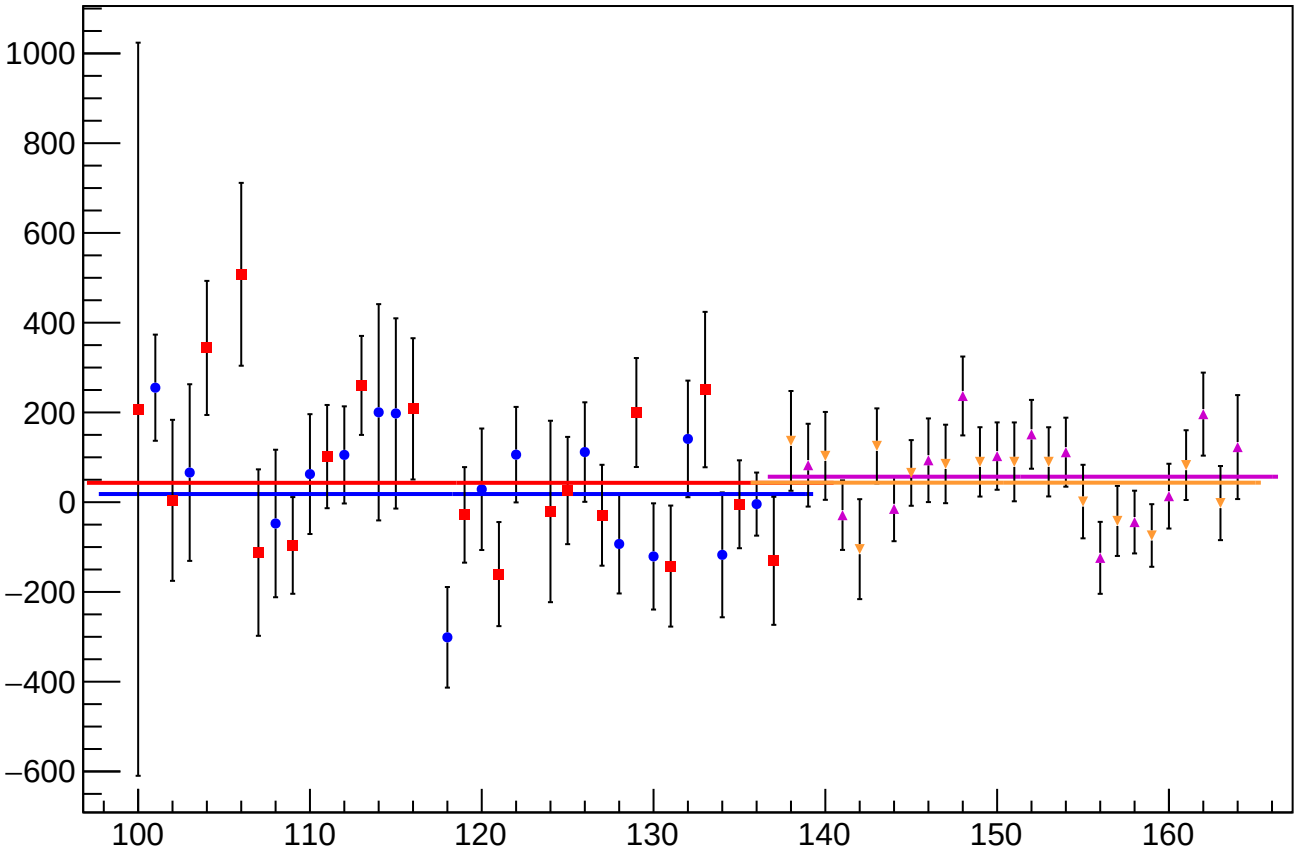
Left: 557.437+/-0.085 χ^2/NDF: 1471046.2/26

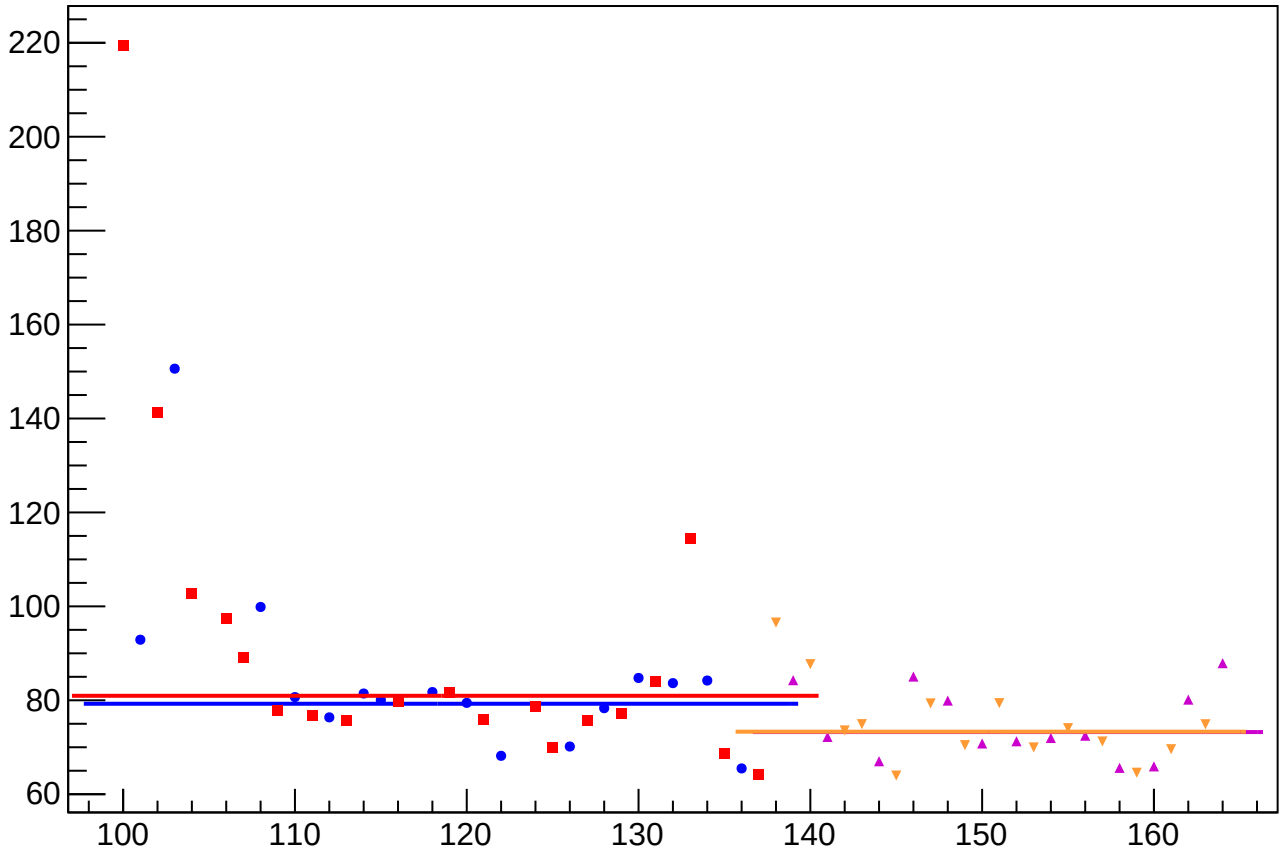
Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 626.052+/-0.109 χ^2/NDF:2913752.0/28

Out: 632.618+/-0.109 χ^2/NDF:3206506.1/32

All: 629.340+/-0.077 χ^2/NDF: 6122084.7/61


eigen_dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
Right In: 18.175+/-30.346 χ²/NDF: 20.1/15
Left Out: 43.493+/-22.237 χ²/NDF:10.0/13
Right Out: 43.144+/-30.707 χ²/NDF: 27.7/18
Left In: 56.780+/-22.466 χ²/NDF:19.2/12
Left: 50.069+/-15.804 χ²/NDF: 29.3/26
Right: 30.512+/-21.584 χ²/NDF: 48.2/34
In: 43.113+/-18.056 χ²/NDF:40.3/28
Out: 43.373+/-18.010 χ²/NDF:37.7/32
All: 43.243+/-12.751 χ²/NDF: 78.0/61



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.315+/-0.016 χ^2/NDF:227784.8/13

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 73.235+/-0.016 χ^2/NDF:179255.5/12

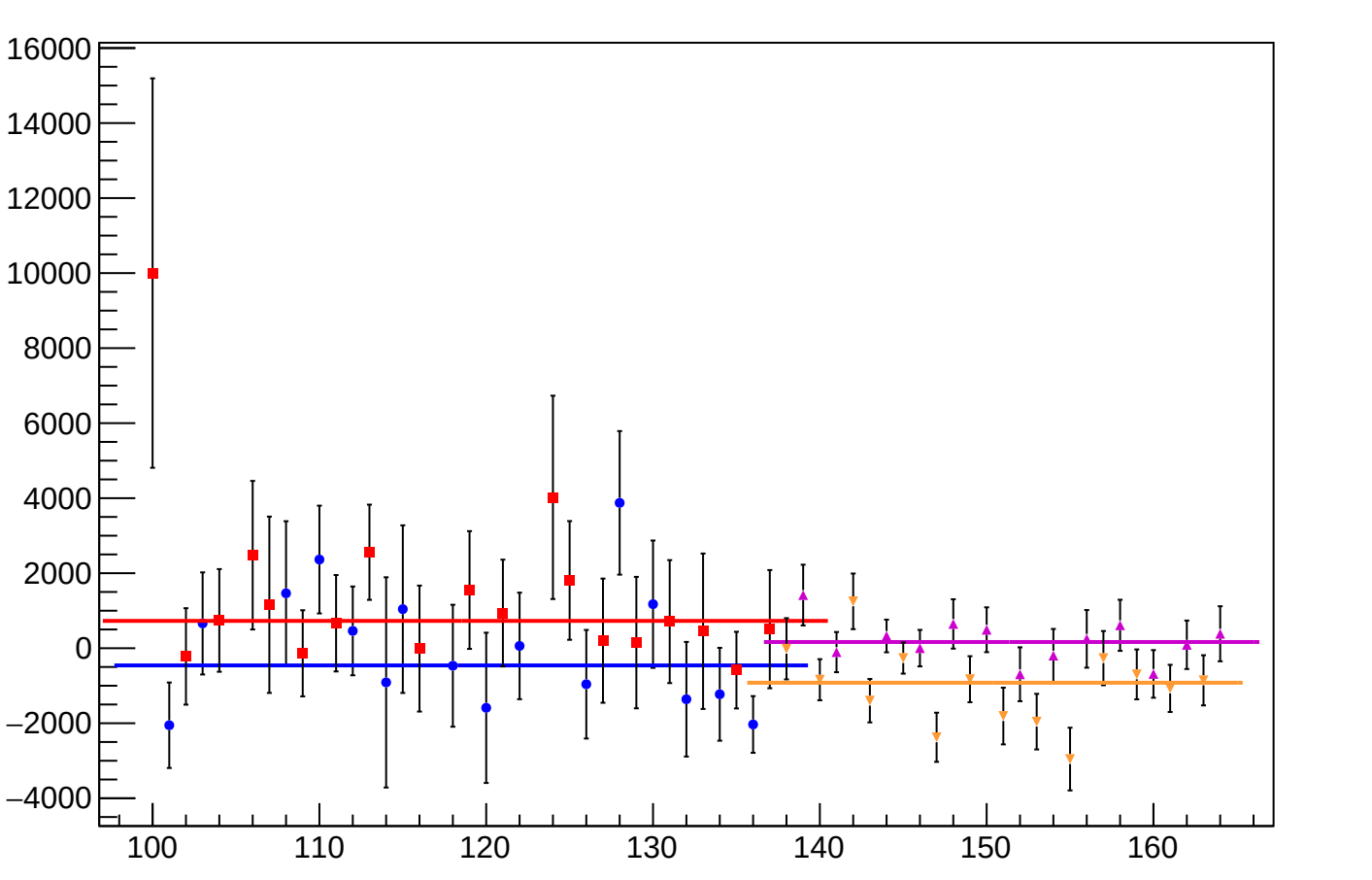
Left: 73.275+/-0.011 χ^2/NDF: 407053.2/26

Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 75.369+/-0.013 χ^2/NDF:675182.1/28

Out: 75.944+/-0.013 χ^2/NDF:823252.7/32

All: 75.657+/-0.009 χ^2/NDF: 1499453.5/61



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -920.247+/-170.541 χ^2/NDF:28.2/13

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 165.521+/-171.168 χ^2/NDF:7.8/12

Left: -379.355+/-120.812 χ^2/NDF: 56.2/26

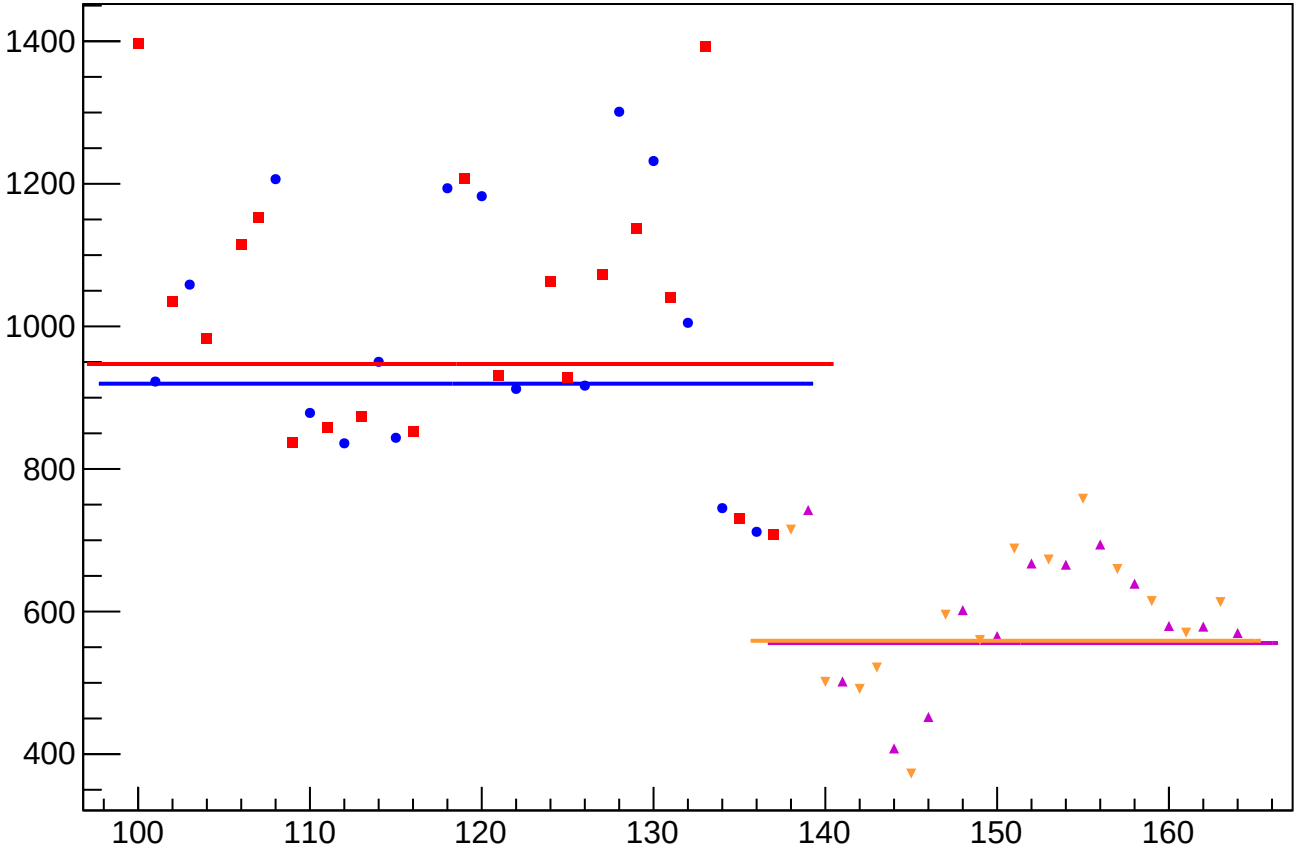
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 45.197+/-153.771 χ^2/NDF:30.6/28

Out: -607.586+/-153.524 χ^2/NDF:57.5/32

All: -281.719+/-108.645 χ^2/NDF: 97.1/61

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: 558.998+/-0.121 χ^2/NDF:815322.8/13

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 555.863+/-0.121 χ^2/NDF:655389.6/12

Left: 557.436+/-0.085 χ^2/NDF: 1471049.0/26

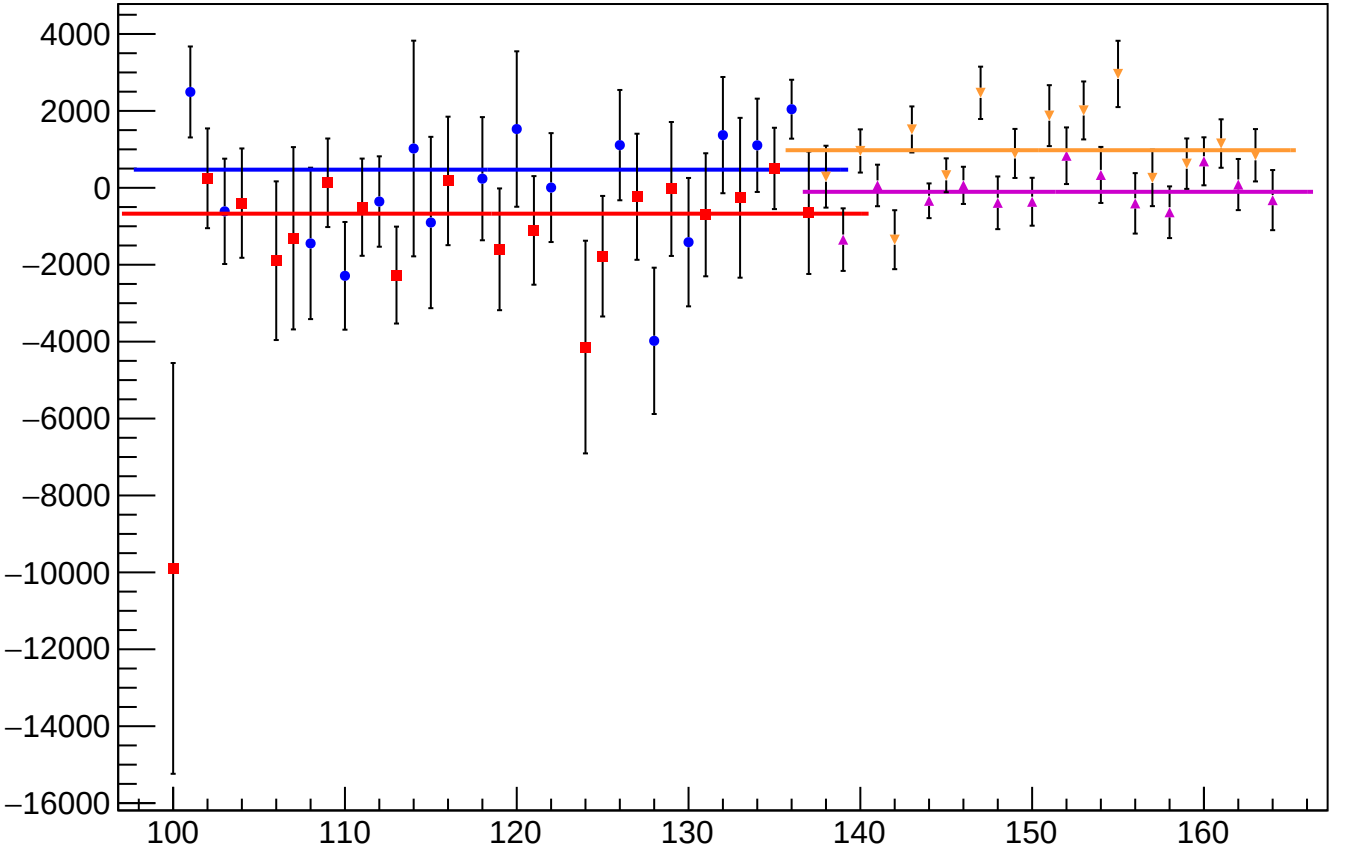
Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 626.051+/-0.109 χ^2/NDF:2913745.7/28

Out: 632.617+/-0.109 χ^2/NDF:3206507.4/32

All: 629.339+/-0.077 χ^2/NDF: 6122079.6/61

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 977.705+/-175.317 χ^2/NDF:27.6/13

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -104.111+/-174.482 χ^2/NDF:7.7/12

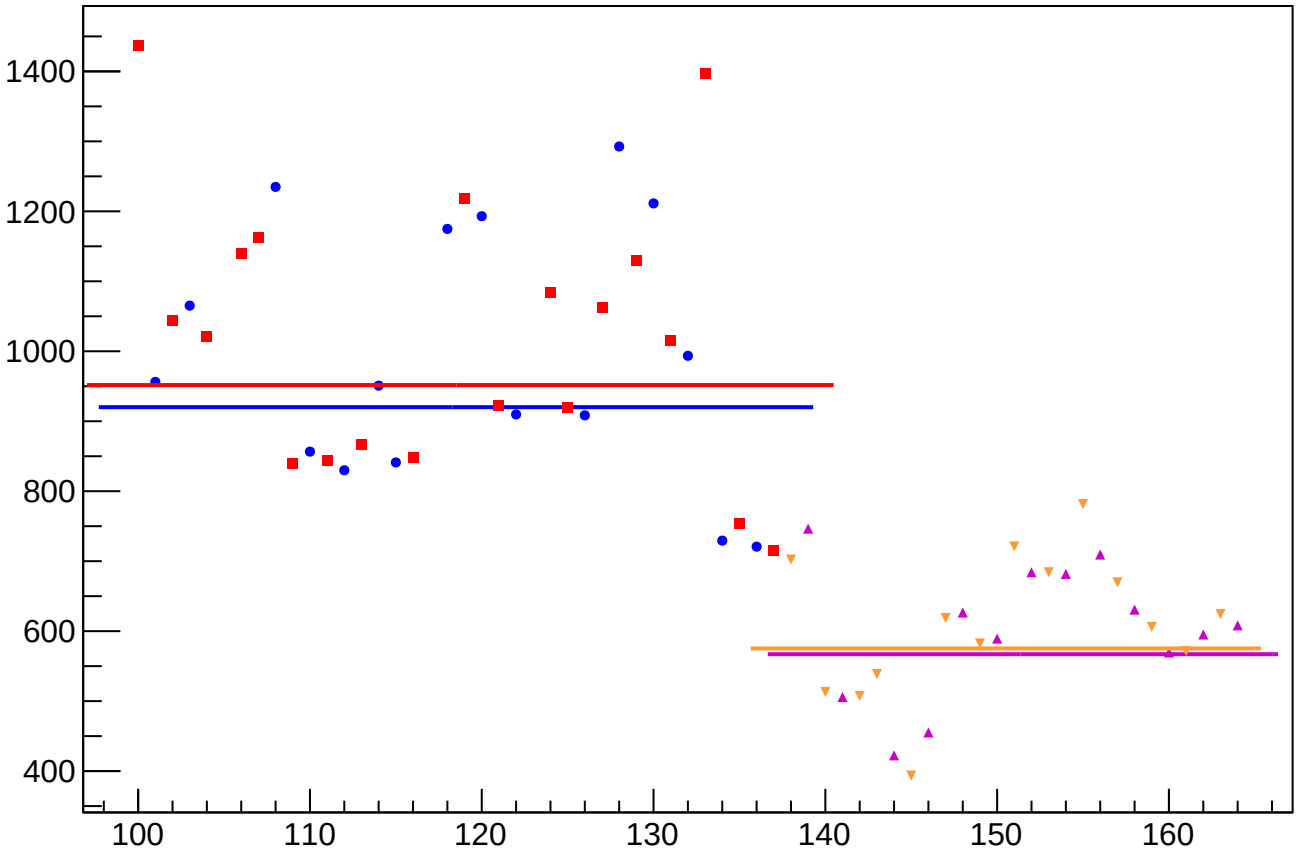
Left: 434.215+/-123.672 χ^2/NDF: 54.4/26

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 10.372+/-156.187 χ^2/NDF:31.3/28

Out: 653.427+/-157.151 χ^2/NDF:55.3/32

All: 329.922+/-110.780 χ^2/NDF: 95.1/61



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 575.282+/-0.124 χ^2/NDF:718418.3/13

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 567.079+/-0.123 χ^2/NDF:645402.5/12

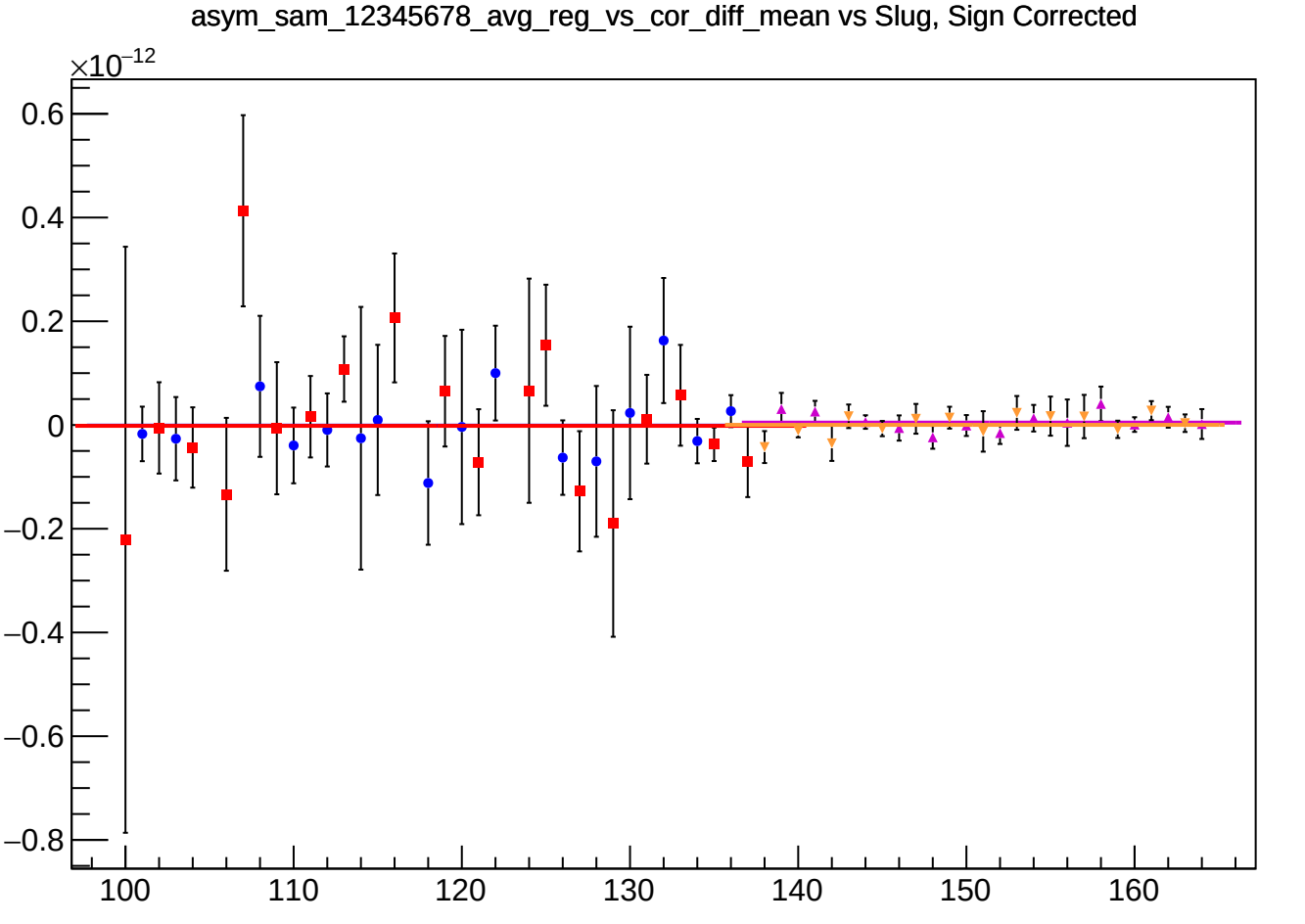
Left: 571.161+/-0.087 χ^2/NDF: 1366020.8/26

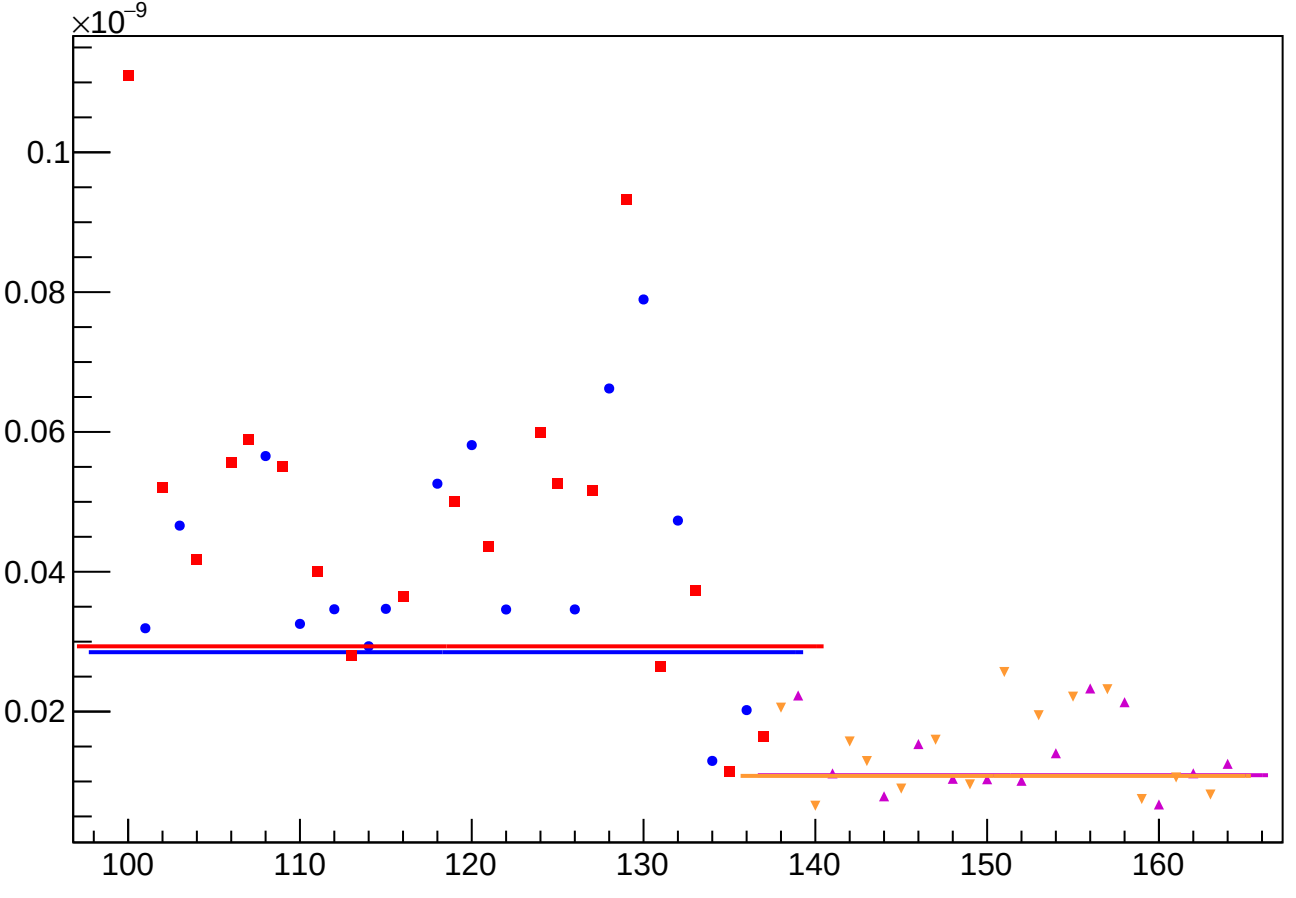
Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 637.233+/-0.110 χ^2/NDF:2781186.3/28

Out: 649.255+/-0.111 χ^2/NDF:2946513.1/32

All: 643.207+/-0.078 χ^2/NDF: 5733587.1/61


asym_sam_12345678_avg_reg_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
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 7.0/15
Left Out: 0.000+/-0.000 χ²/NDF:8.6/13
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: 0.000+/-0.000 χ²/NDF:6.2/12
Left: 0.000+/-0.000 χ²/NDF: 15.1/26
Right: -0.000+/-0.000 χ²/NDF: 26.5/34
In: 0.000+/-0.000 χ²/NDF:13.4/28
Out: 0.000+/-0.000 χ²/NDF:28.0/32
All: 0.000+/-0.000 χ²/NDF: 41.7/61



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1493129.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1011785.8/12

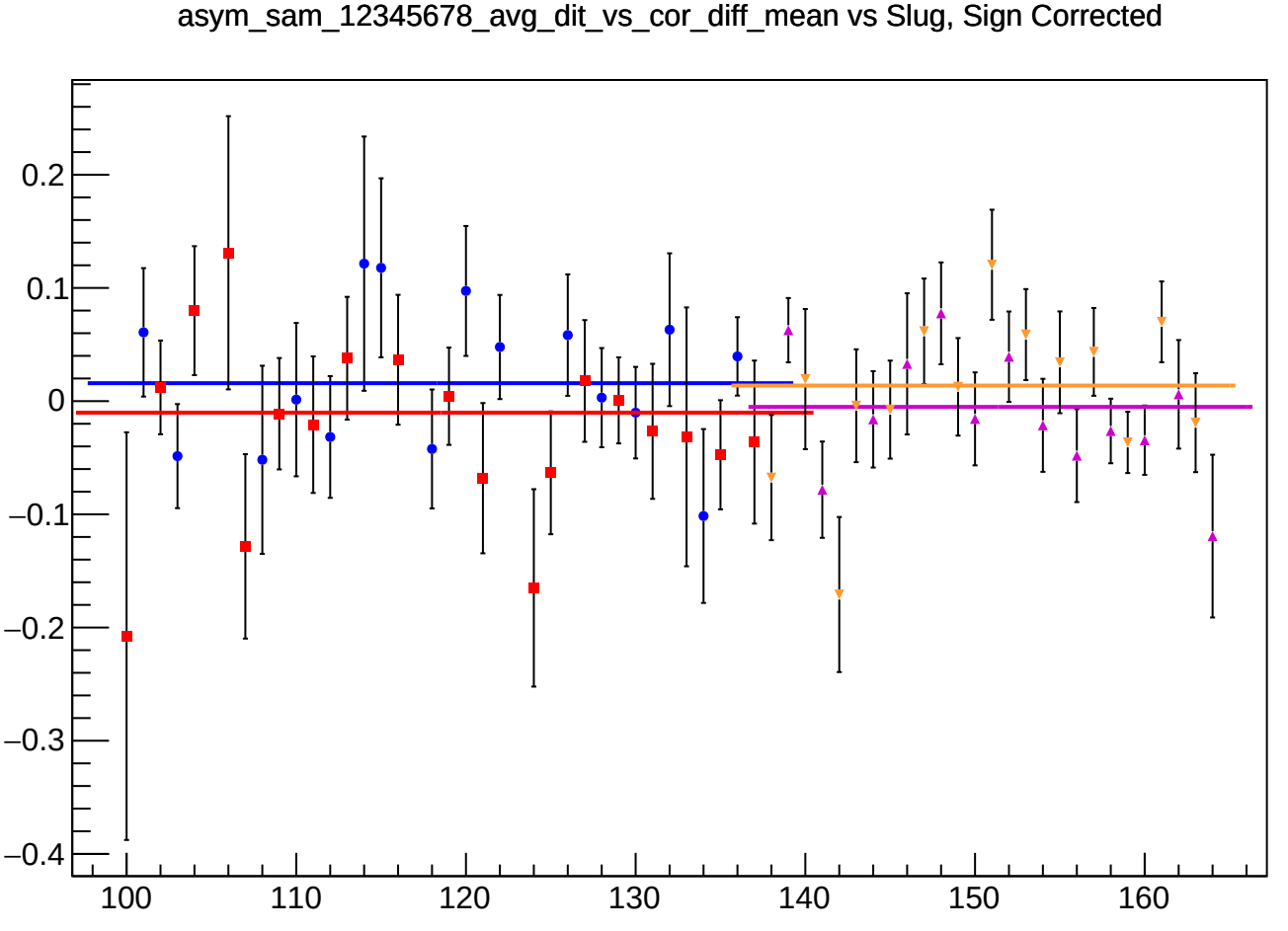
Left: 0.000+/-0.000 χ^2/NDF: 2505201.8/26

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3944964.7/28

Out: 0.000+/-0.000 χ^2/NDF:4841764.8/32

All: 0.000+/-0.000 χ^2/NDF: 8790247.4/61



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.011 χ^2/NDF:24.2/13

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/12

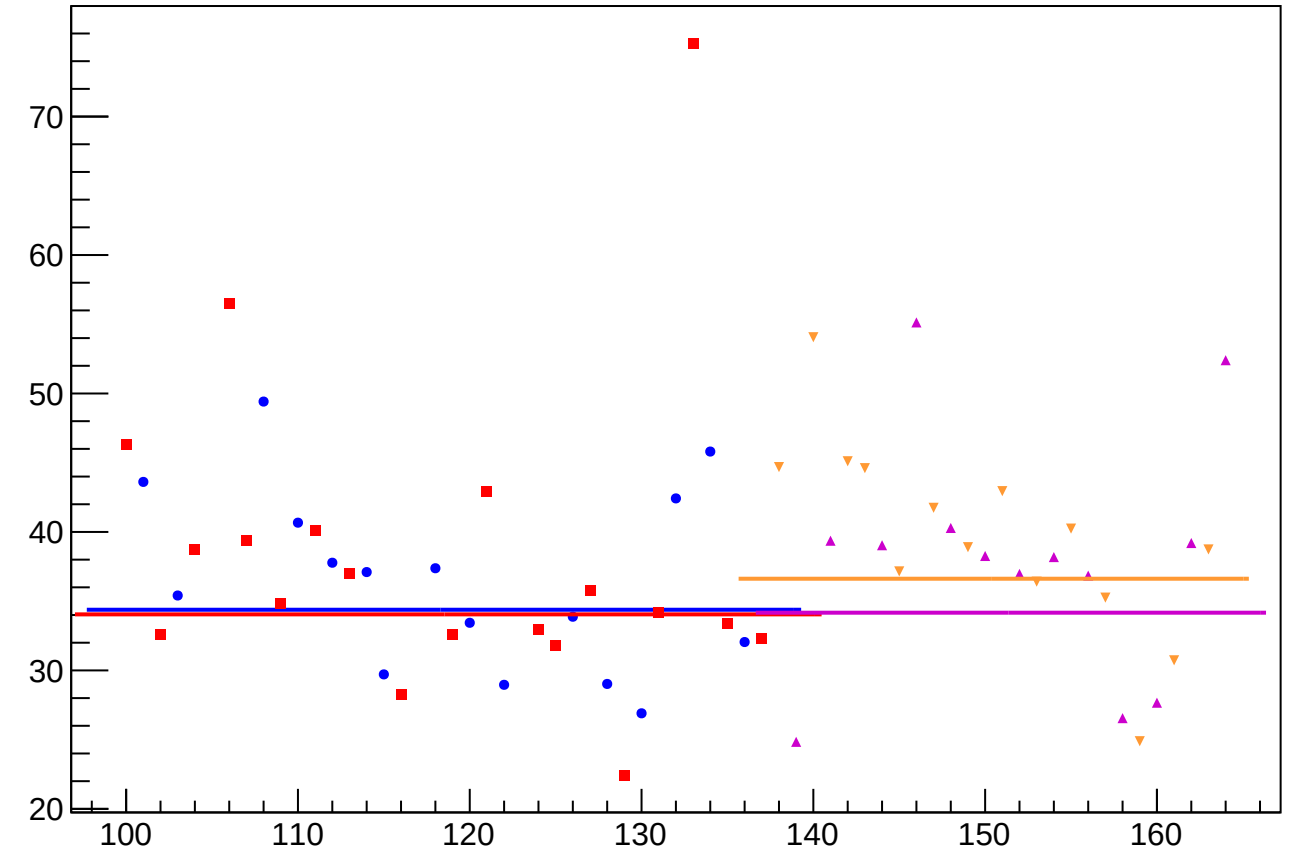
Left: 0.004+/-0.008 χ^2/NDF: 44.7/26

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/28

Out: 0.003+/-0.009 χ^2/NDF:41.2/32

All: 0.003+/-0.006 χ^2/NDF: 76.5/61



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.622+/-0.008 χ^2/NDF:797206.3/13

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.168+/-0.008 χ^2/NDF:975486.4/12

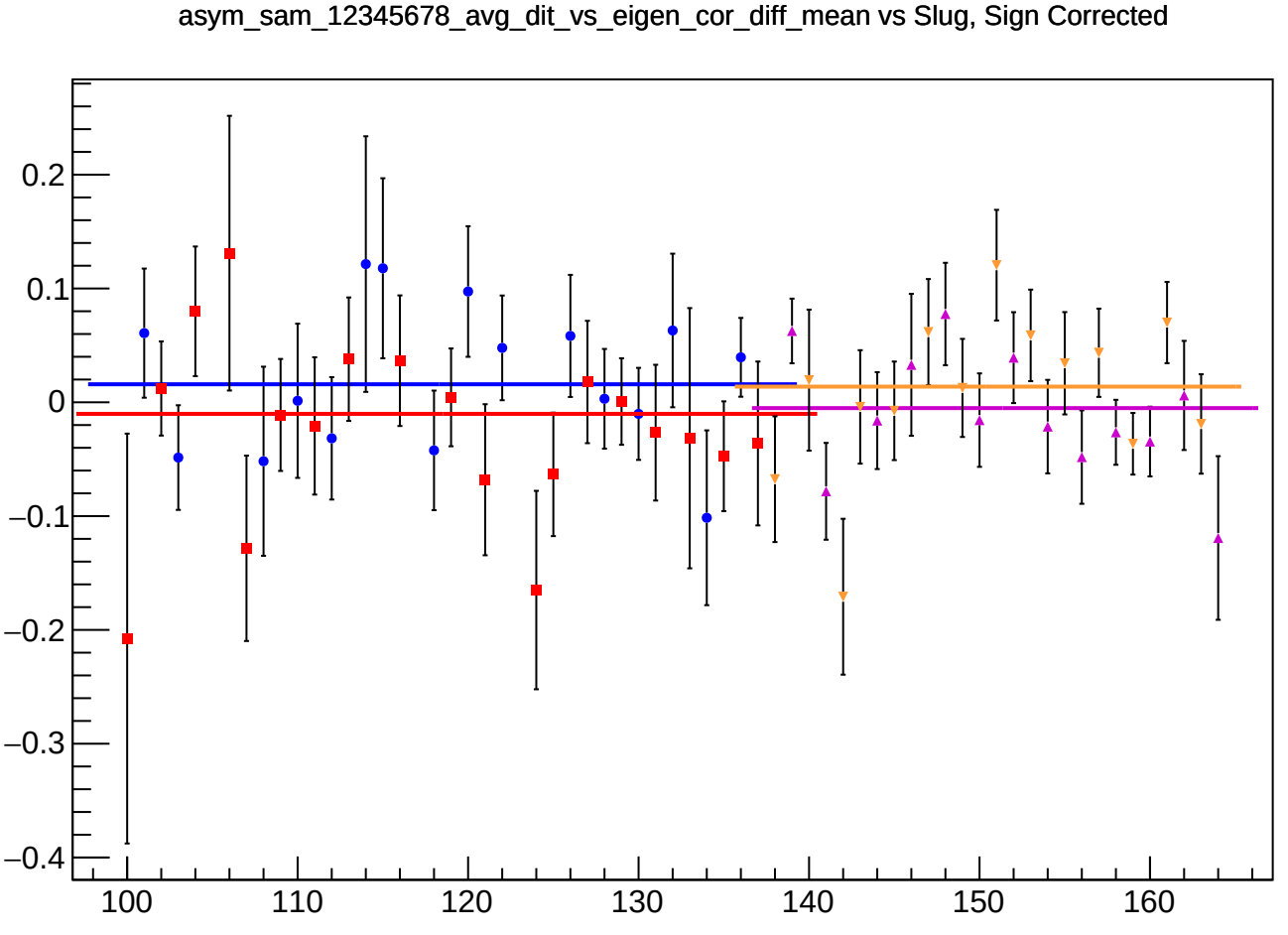
Left: 35.333+/-0.006 χ^2/NDF: 1820831.1/26

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.253+/-0.006 χ^2/NDF:1343675.1/28

Out: 35.516+/-0.006 χ^2/NDF:1483246.5/32

All: 34.869+/-0.004 χ^2/NDF: 2848695.1/61



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.011 χ^2/NDF:24.2/13

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/12

Left: 0.004+/-0.008 χ^2/NDF: 44.7/26

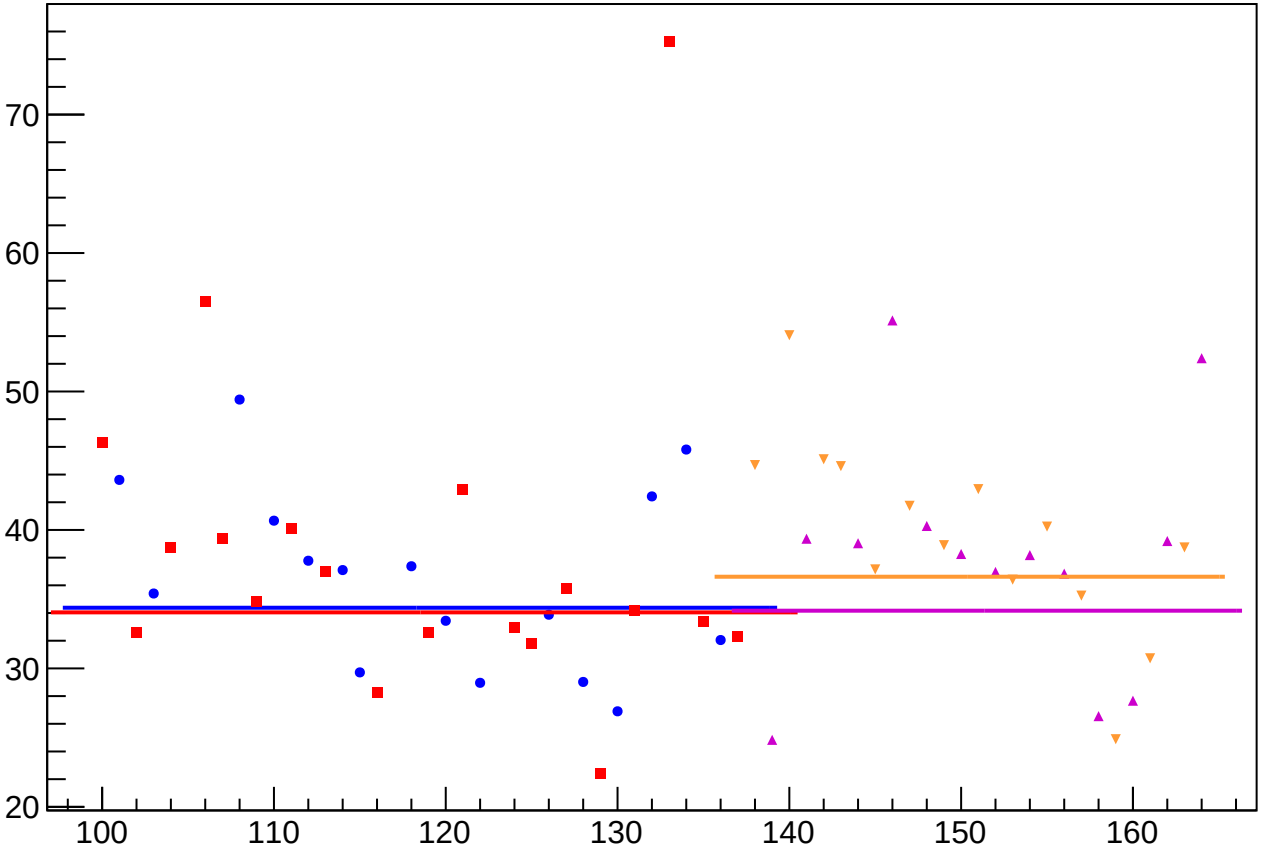
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/28

Out: 0.003+/-0.009 χ^2/NDF:41.2/32

All: 0.003+/-0.006 χ^2/NDF: 76.5/61

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: 36.622+/-0.008 χ^2/NDF:797206.3/13

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.168+/-0.008 χ^2/NDF:975486.4/12

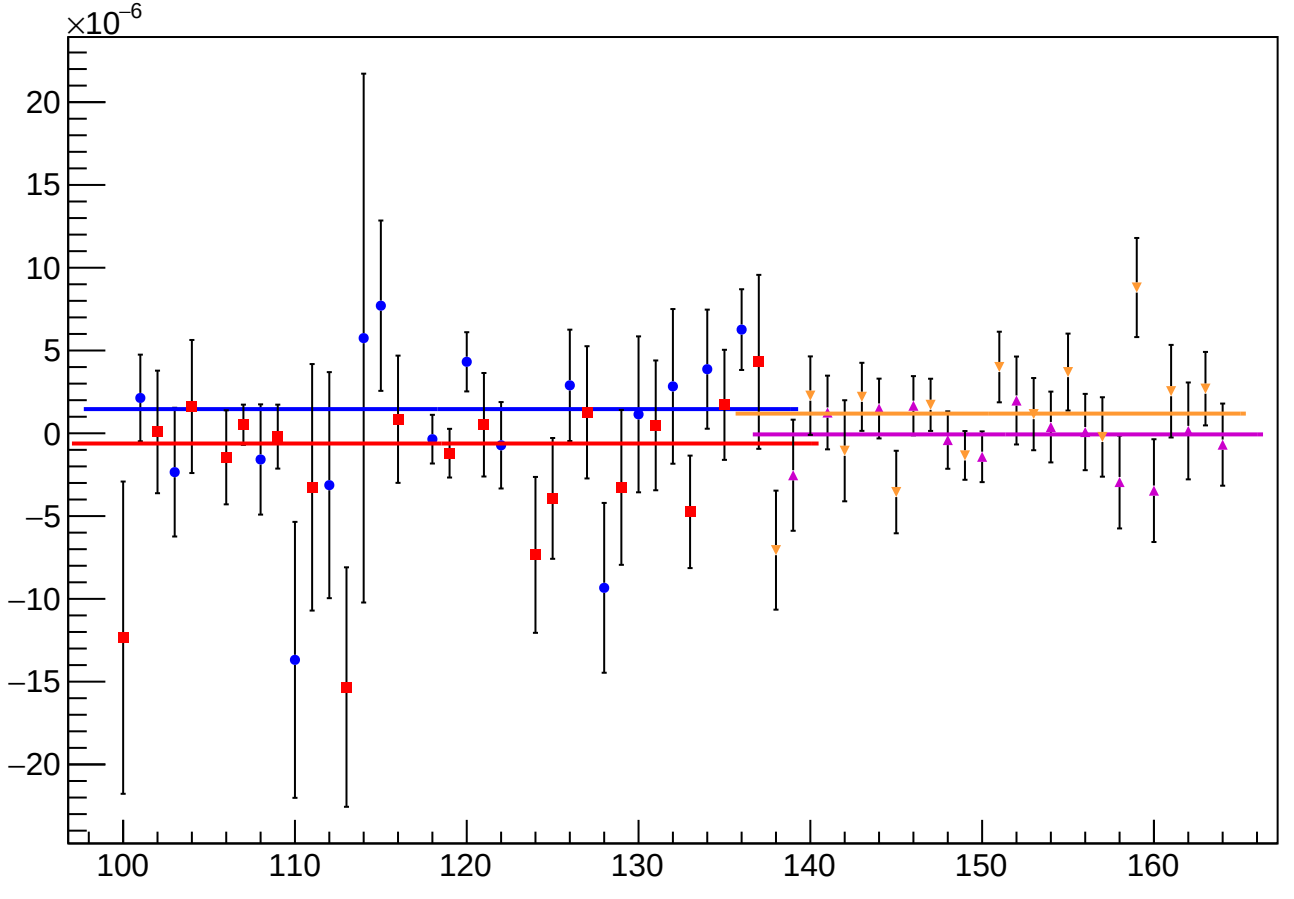
Left: 35.333+/-0.006 χ^2/NDF: 1820831.1/26

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.253+/-0.006 χ^2/NDF:1343675.1/28

Out: 35.516+/-0.006 χ^2/NDF:1483246.5/32

All: 34.869+/-0.004 χ^2/NDF: 2848695.1/61



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/12

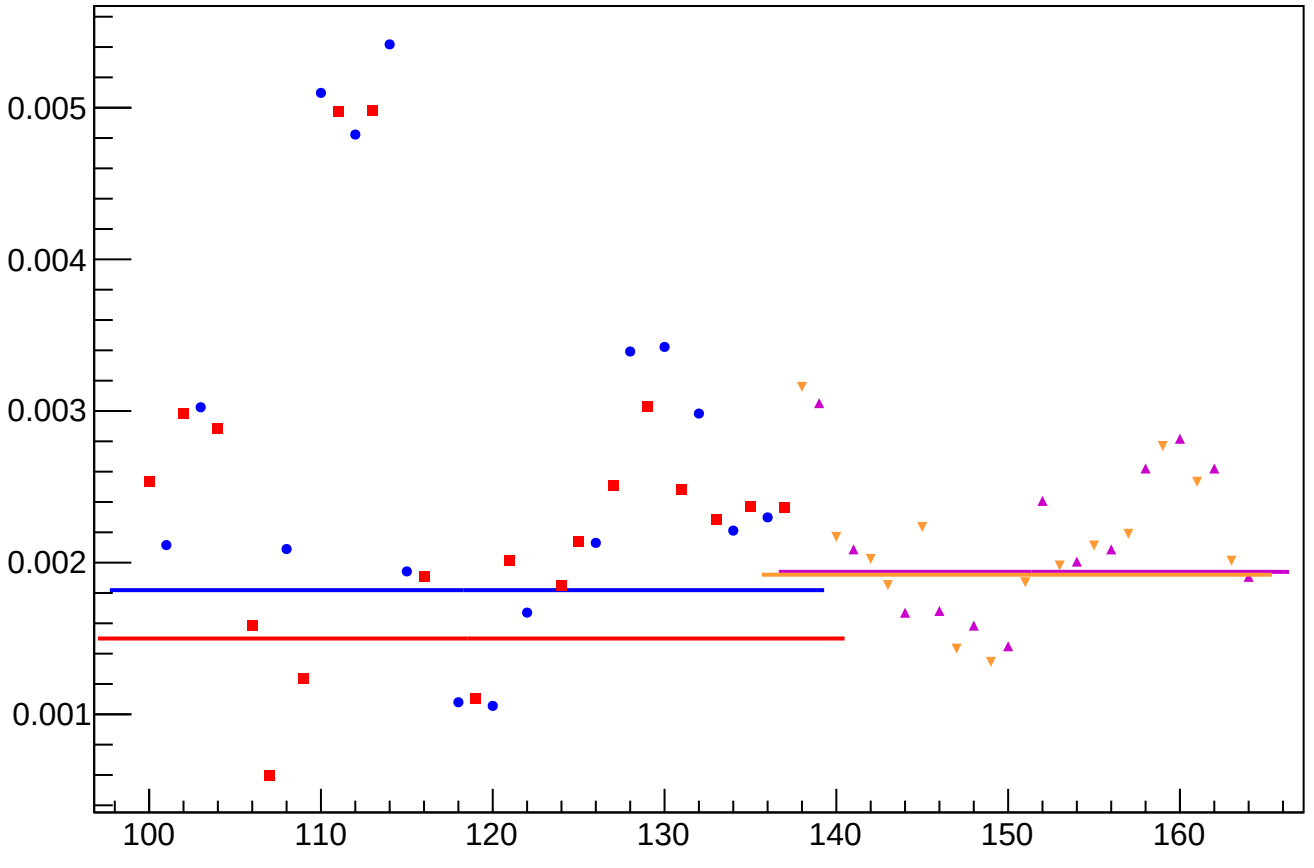
Left: 0.000+/-0.000 χ^2/NDF: 31.9/26

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:29.8/28

Out: 0.000+/-0.000 χ^2/NDF:41.5/32

All: 0.000+/-0.000 χ^2/NDF: 71.4/61



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1094120.9/13

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1063122.2/12

Left: 0.002+/-0.000 χ^2/NDF: 2158226.5/26

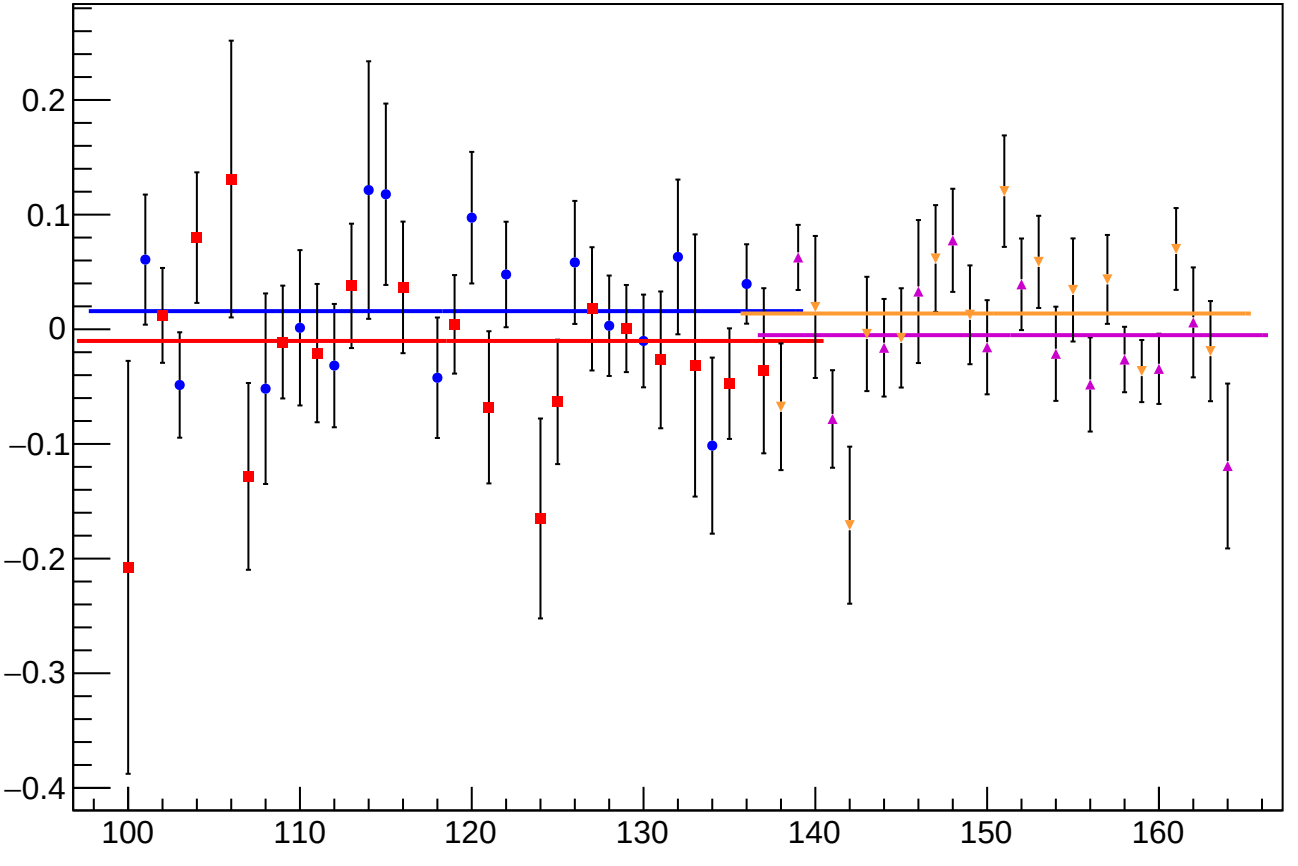
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3664586.8/28

Out: 0.002+/-0.000 χ^2/NDF:5244707.8/32

All: 0.002+/-0.000 χ^2/NDF: 9038333.4/61

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.011 χ^2/NDF:24.2/13

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/12

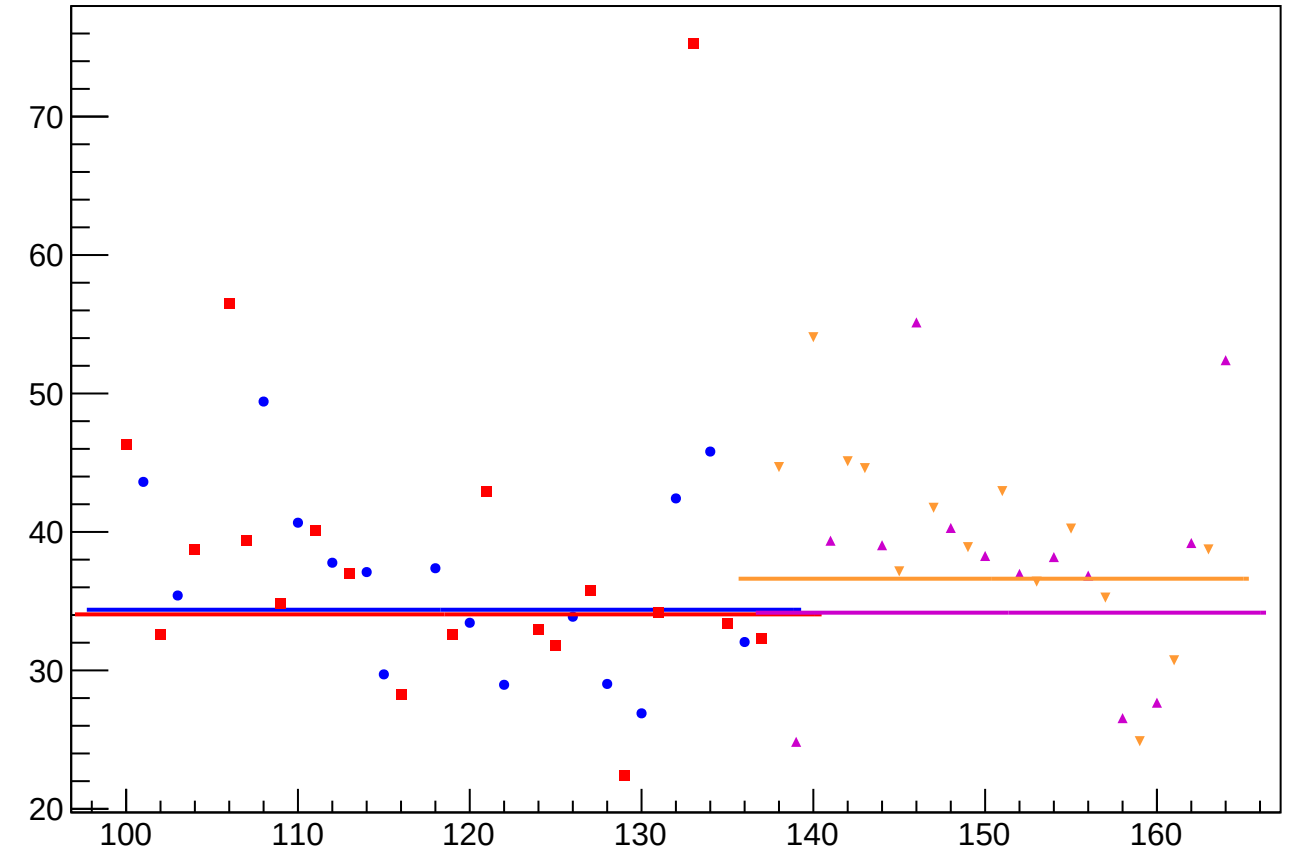
Left: 0.004+/-0.008 χ^2/NDF: 44.7/26

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/28

Out: 0.003+/-0.009 χ^2/NDF:41.2/32

All: 0.003+/-0.006 χ^2/NDF: 76.5/61



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.622+/-0.008 χ^2/NDF:797275.8/13

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.169+/-0.008 χ^2/NDF:975560.6/12

Left: 35.333+/-0.006 χ^2/NDF: 1820974.3/26

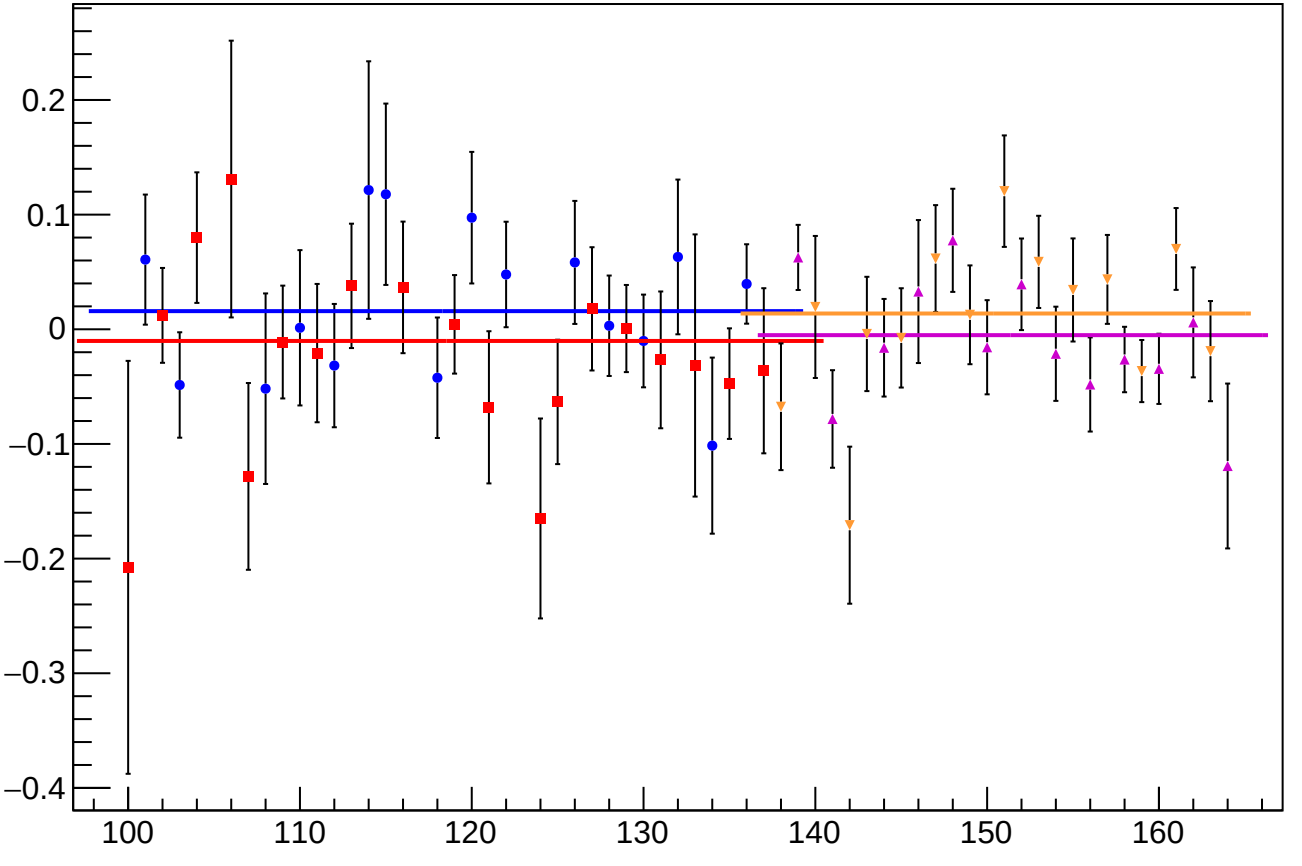
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.253+/-0.006 χ^2/NDF:1343803.7/28

Out: 35.516+/-0.006 χ^2/NDF:1483385.7/32

All: 34.869+/-0.004 χ^2/NDF: 2848964.5/61

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.011 χ^2/NDF:24.2/13

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.005+/-0.011 χ^2/NDF:19.1/12

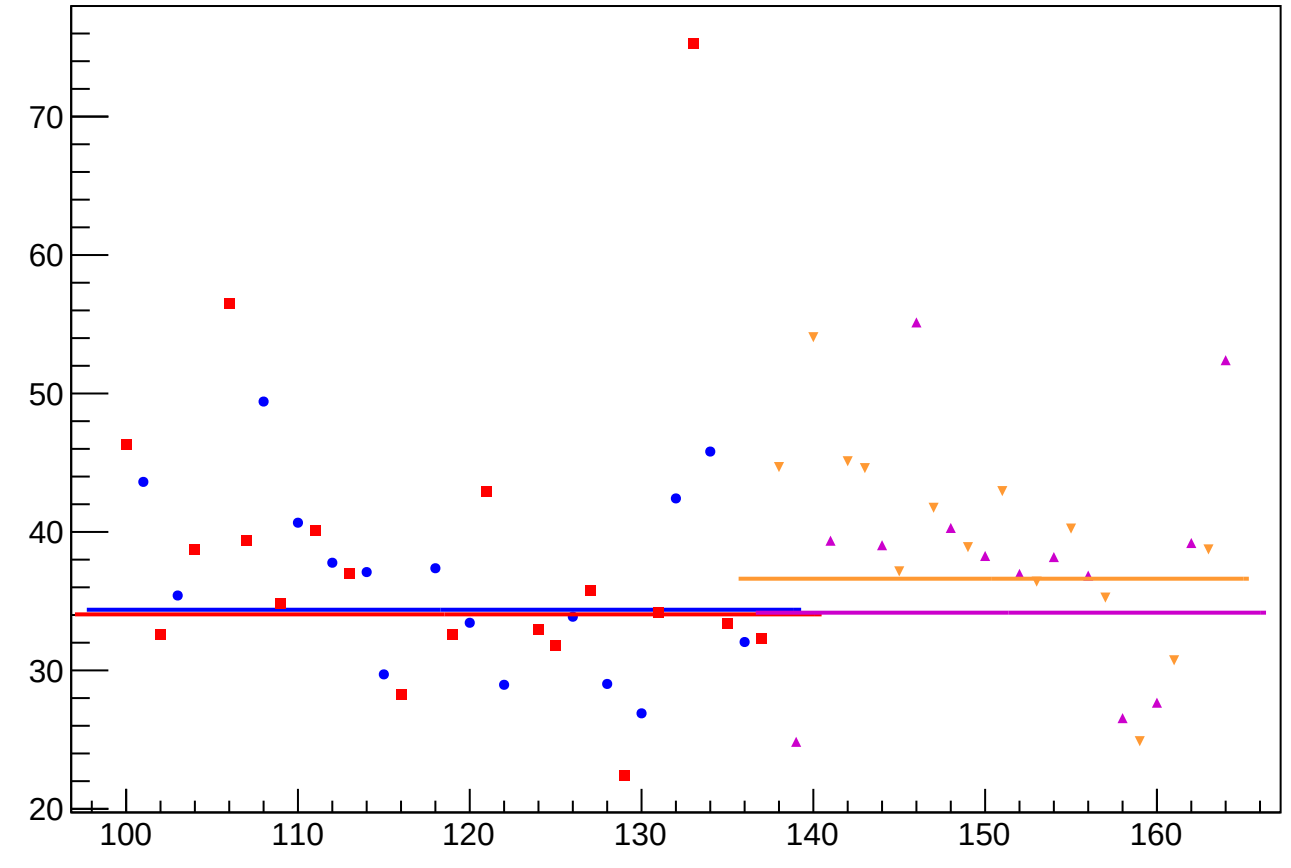
Left: 0.004+/-0.008 χ^2/NDF: 44.7/26

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.003+/-0.008 χ^2/NDF:35.3/28

Out: 0.003+/-0.009 χ^2/NDF:41.2/32

All: 0.003+/-0.006 χ^2/NDF: 76.5/61



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.622+/-0.008 χ^2/NDF:797275.8/13

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.169+/-0.008 χ^2/NDF:975560.6/12

Left: 35.333+/-0.006 χ^2/NDF: 1820974.3/26

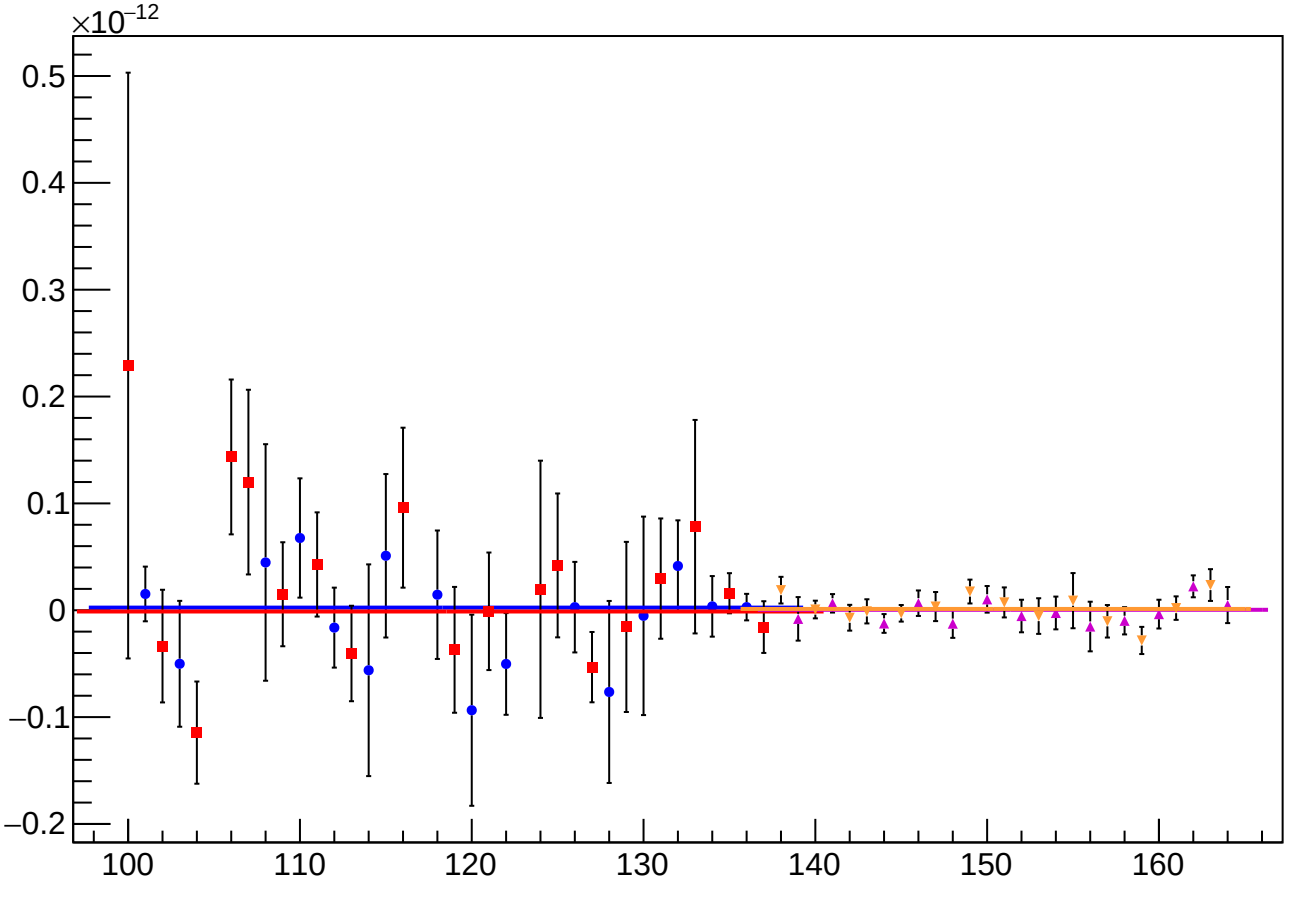
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.253+/-0.006 χ^2/NDF:1343803.7/28

Out: 35.516+/-0.006 χ^2/NDF:1483385.7/32

All: 34.869+/-0.004 χ^2/NDF: 2848964.5/61

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:13.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/12

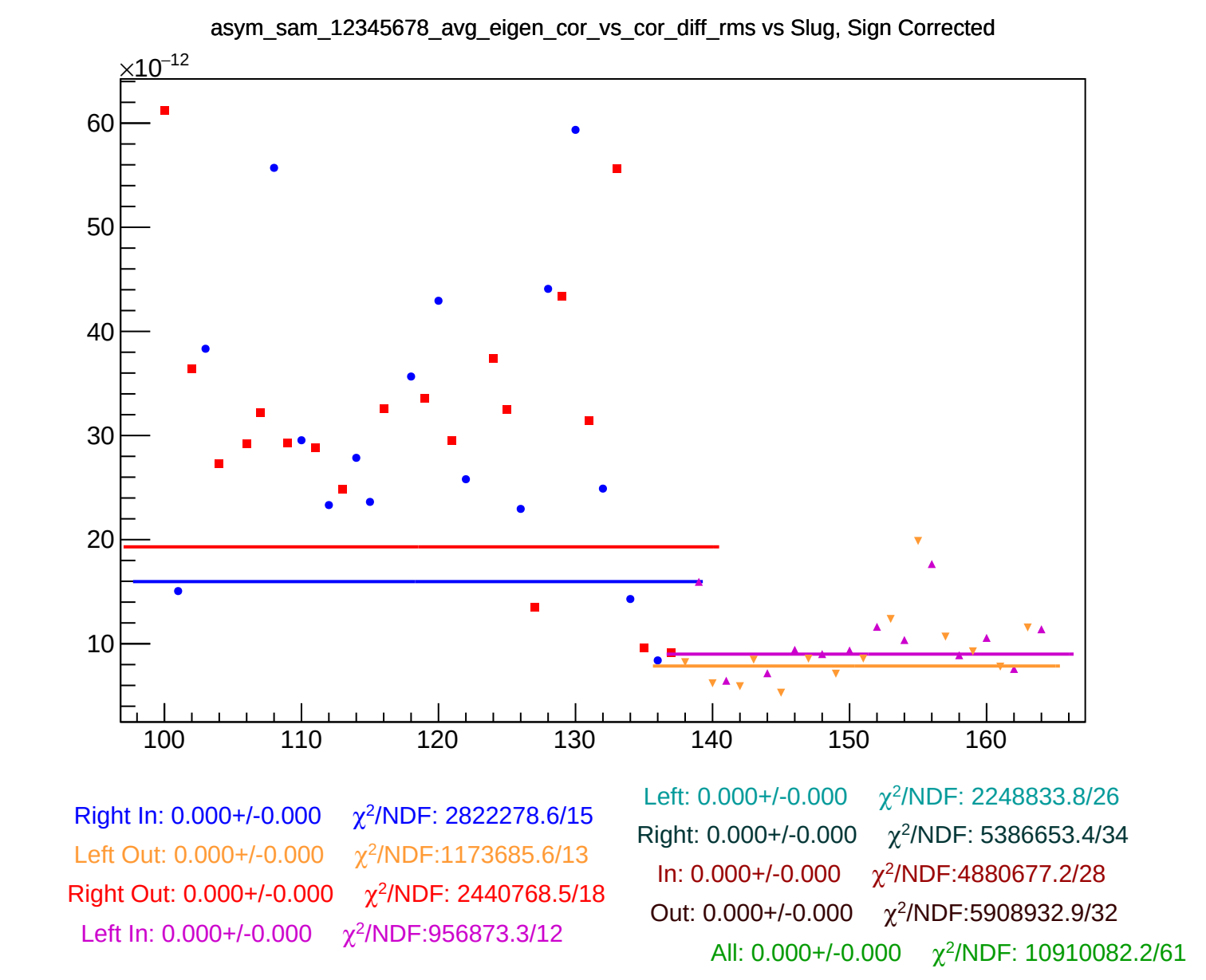
Left: 0.000+/-0.000 χ^2/NDF: 24.3/26

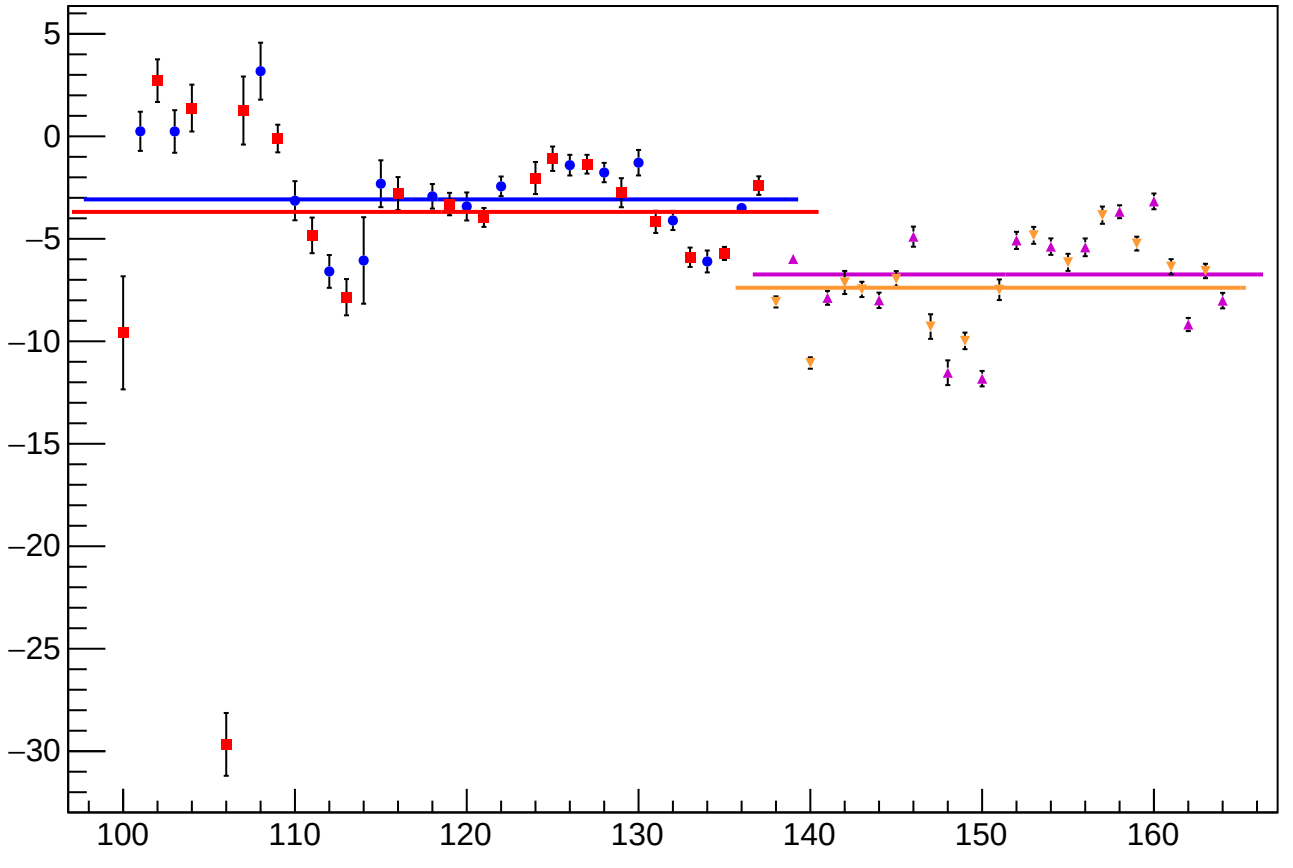
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: 0.000+/-0.000 χ^2/NDF:18.4/28

Out: 0.000+/-0.000 χ^2/NDF:35.1/32

All: 0.000+/-0.000 χ^2/NDF: 53.5/61


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
160
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1173685.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:956873.3/12
Left: 0.000+/-0.000 χ²/NDF: 2248833.8/26
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:4880677.2/28
Out: 0.000+/-0.000 χ²/NDF:5908932.9/32
All: 0.000+/-0.000 χ²/NDF: 10910082.2/61



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.388+/-0.101 χ^2/NDF:406.2/13

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.739+/-0.101 χ^2/NDF:577.1/12

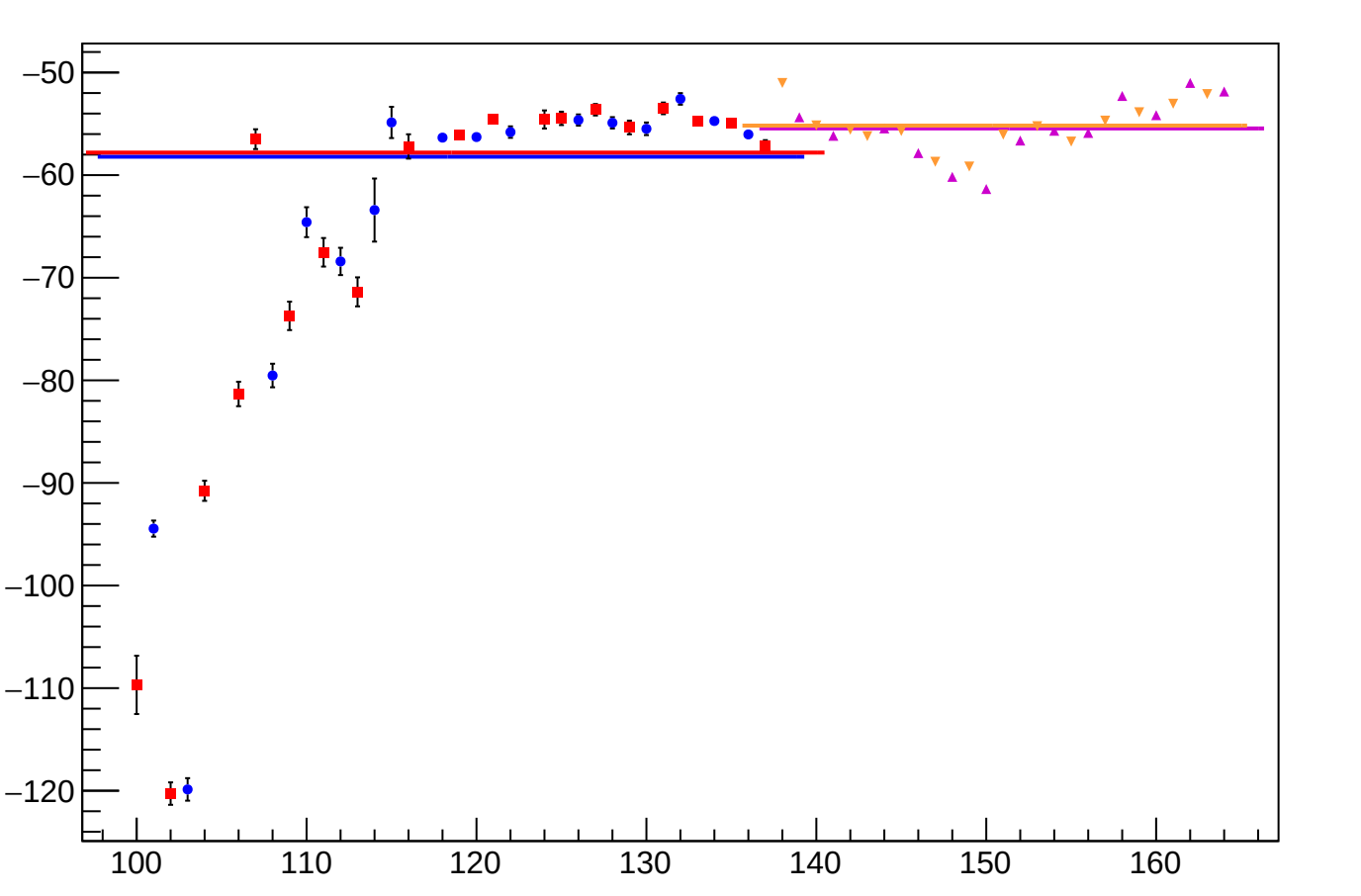
Left: -7.064+/-0.071 χ^2/NDF: 1003.9/26

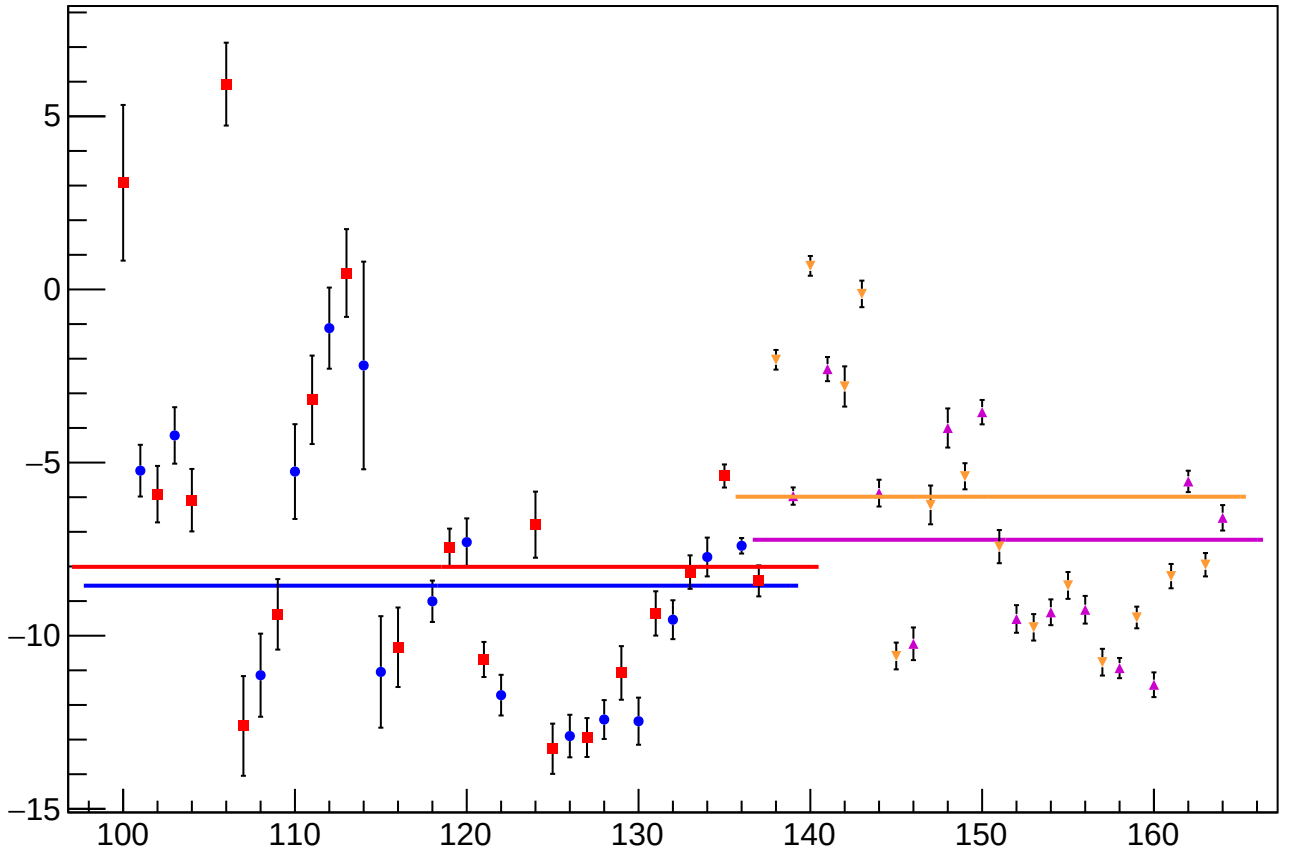
Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.425+/-0.081 χ^2/NDF:1181.1/28

Out: -6.126+/-0.082 χ^2/NDF:1400.1/32

All: -5.772+/-0.058 χ^2/NDF: 2618.3/61


reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
160
Right In: -58.204+/-0.136 χ²/NDF: 6126.9/15
Left Out: -55.174+/-0.073 χ²/NDF:881.3/13
Right Out: -57.804+/-0.138 χ²/NDF: 5792.7/18
Left In: -55.451+/-0.076 χ²/NDF:1593.6/12
Left: -55.308+/-0.053 χ²/NDF: 2481.7/26
Right: -58.008+/-0.097 χ²/NDF: 11923.9/34
In: -56.109+/-0.066 χ²/NDF:8034.4/28
Out: -55.752+/-0.065 χ²/NDF:6955.3/32
All: -55.927+/-0.046 χ²/NDF: 15004.5/61



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.986+/-0.099 χ^2/NDF:1650.9/13

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -7.229+/-0.098 χ^2/NDF:841.3/12

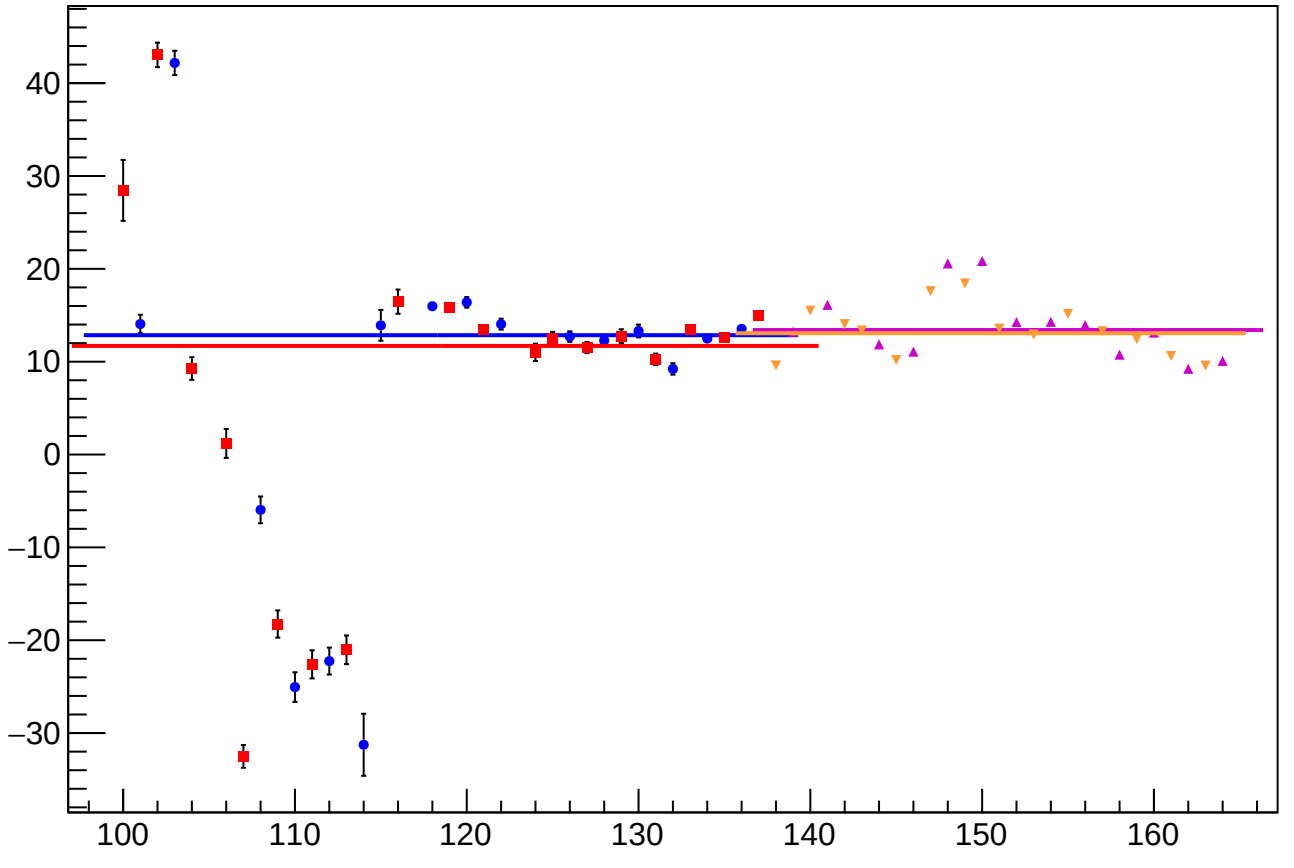
Left: -6.610+/-0.070 χ^2/NDF: 2572.1/26

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.647+/-0.081 χ^2/NDF:1199.5/28

Out: -6.580+/-0.083 χ^2/NDF:2264.2/32

All: -7.124+/-0.058 χ^2/NDF: 3548.2/61



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 13.065+/-0.084 χ^2/NDF:990.7/13

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 13.408+/-0.085 χ^2/NDF:1630.2/12

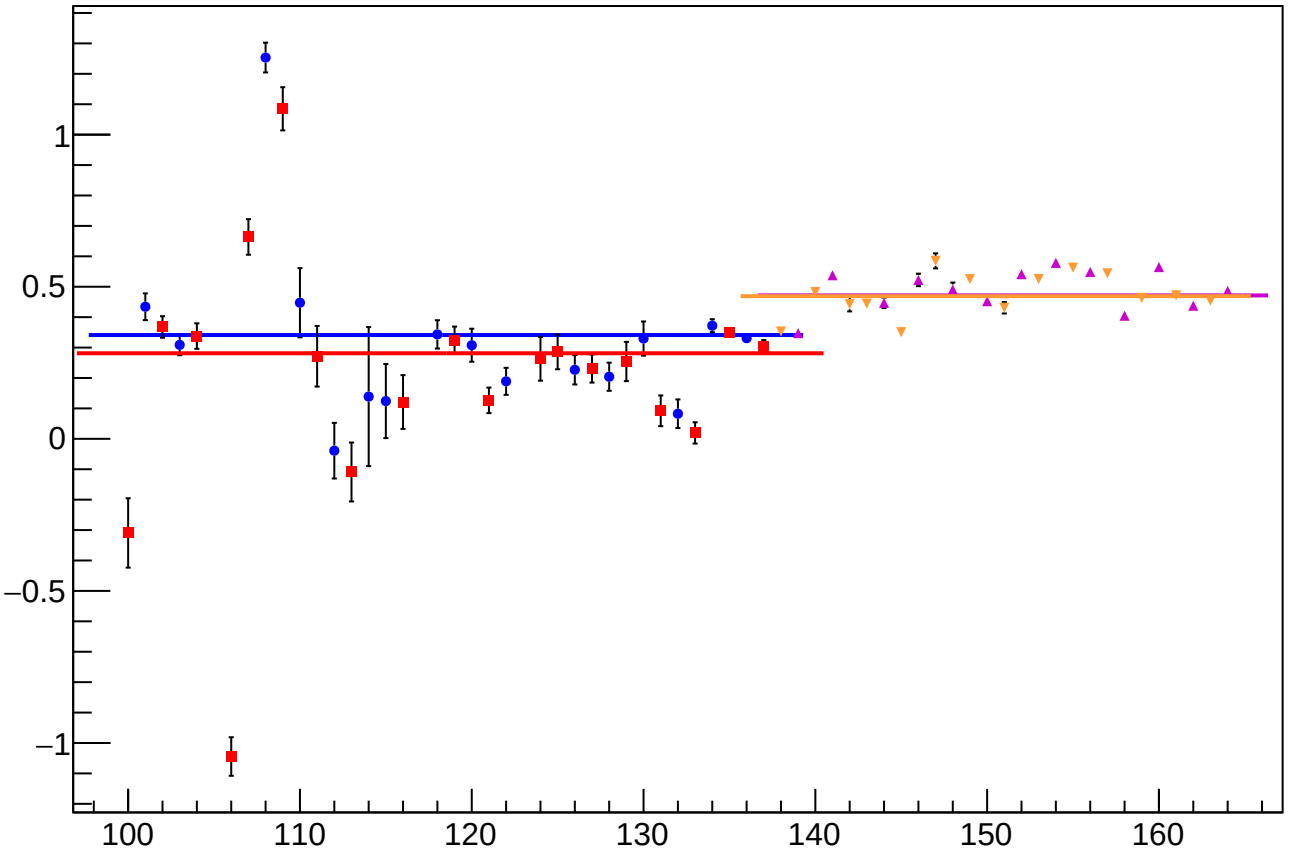
Left: 13.234+/-0.060 χ^2/NDF: 2629.2/26

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 13.273+/-0.074 χ^2/NDF:3768.9/28

Out: 12.756+/-0.074 χ^2/NDF:4549.6/32

All: 13.013+/-0.052 χ^2/NDF: 8342.9/61



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.469+/-0.004 χ^2/NDF:323.4/13

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.471+/-0.004 χ^2/NDF:465.5/12

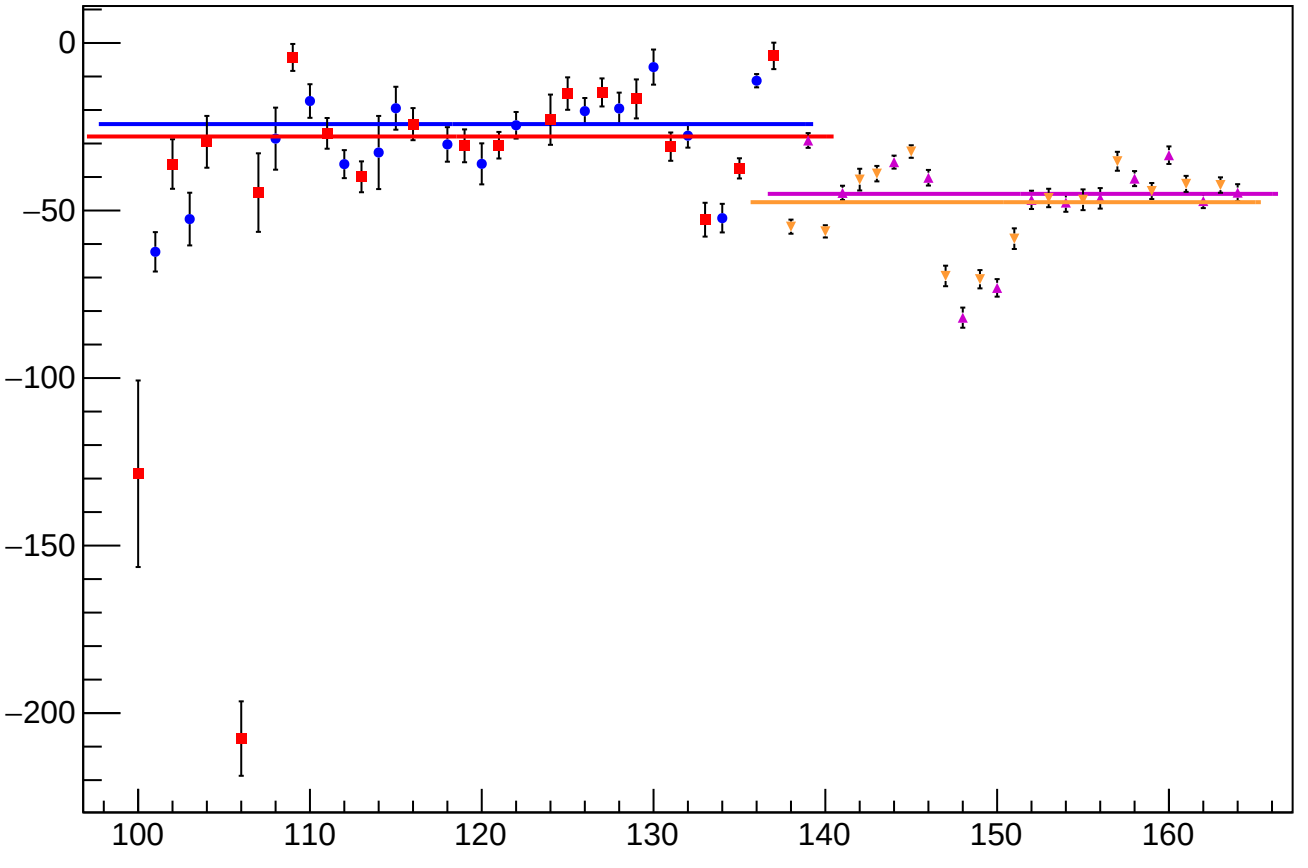
Left: 0.470+/-0.003 χ^2/NDF: 789.1/26

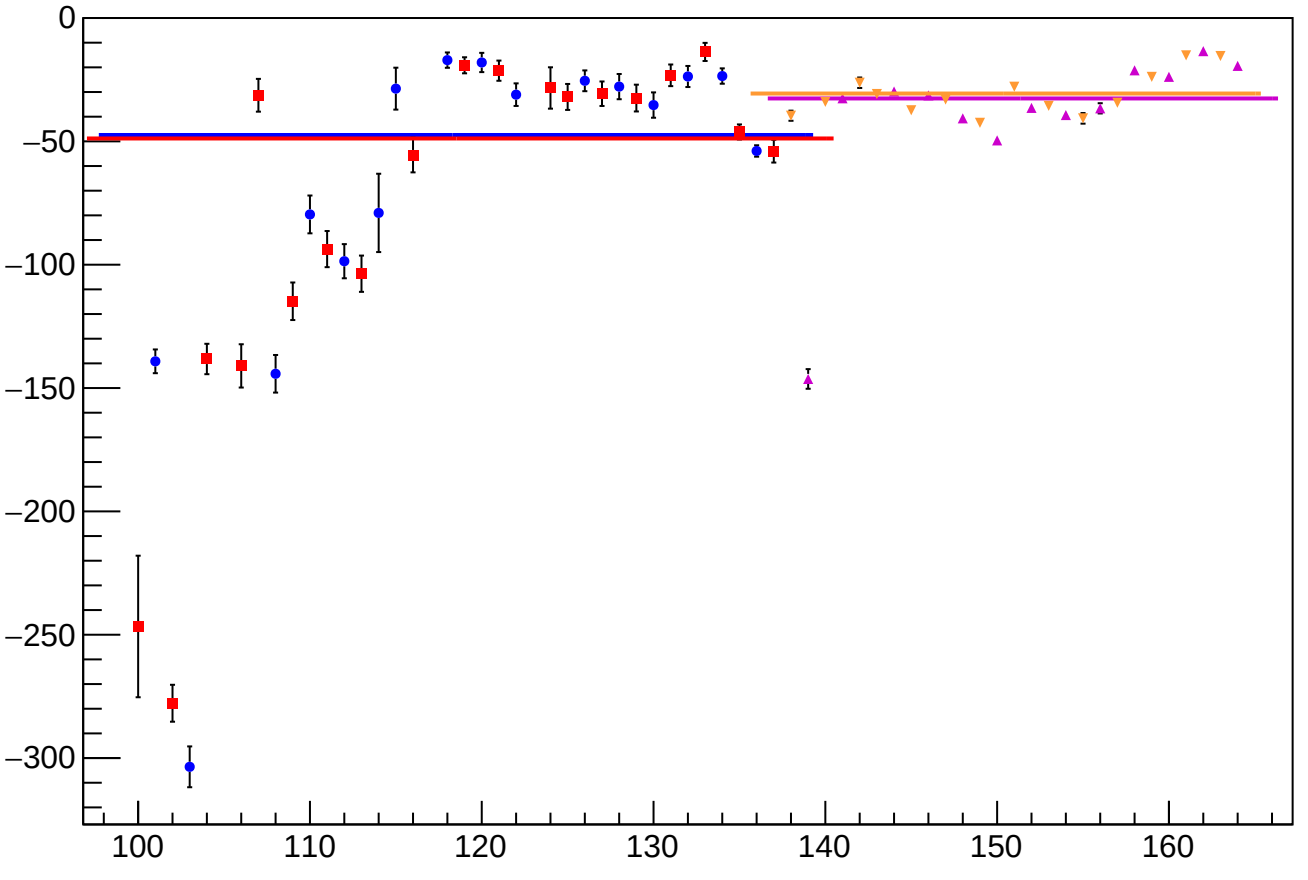
Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.449+/-0.003 χ^2/NDF:1125.9/28

Out: 0.439+/-0.003 χ^2/NDF:1513.0/32

All: 0.444+/-0.002 χ^2/NDF: 2643.2/61


reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
160
Right In: -24.205+/-1.086 χ²/NDF: 170.7/15
Left Out: -47.512+/-0.654 χ²/NDF:283.4/13
Right Out: -27.906+/-1.137 χ²/NDF: 413.4/18
Left In: -45.029+/-0.670 χ²/NDF:372.4/12
Left: -46.300+/-0.468 χ²/NDF: 662.8/26
Right: -25.971+/-0.785 χ²/NDF: 589.7/34
In: -39.290+/-0.570 χ²/NDF:809.3/28
Out: -42.636+/-0.567 χ²/NDF:920.2/32
All: -40.972+/-0.402 χ²/NDF: 1746.8/61



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -30.613+/-0.458 χ^2/NDF:330.6/13

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -32.612+/-0.470 χ^2/NDF:1233.5/12

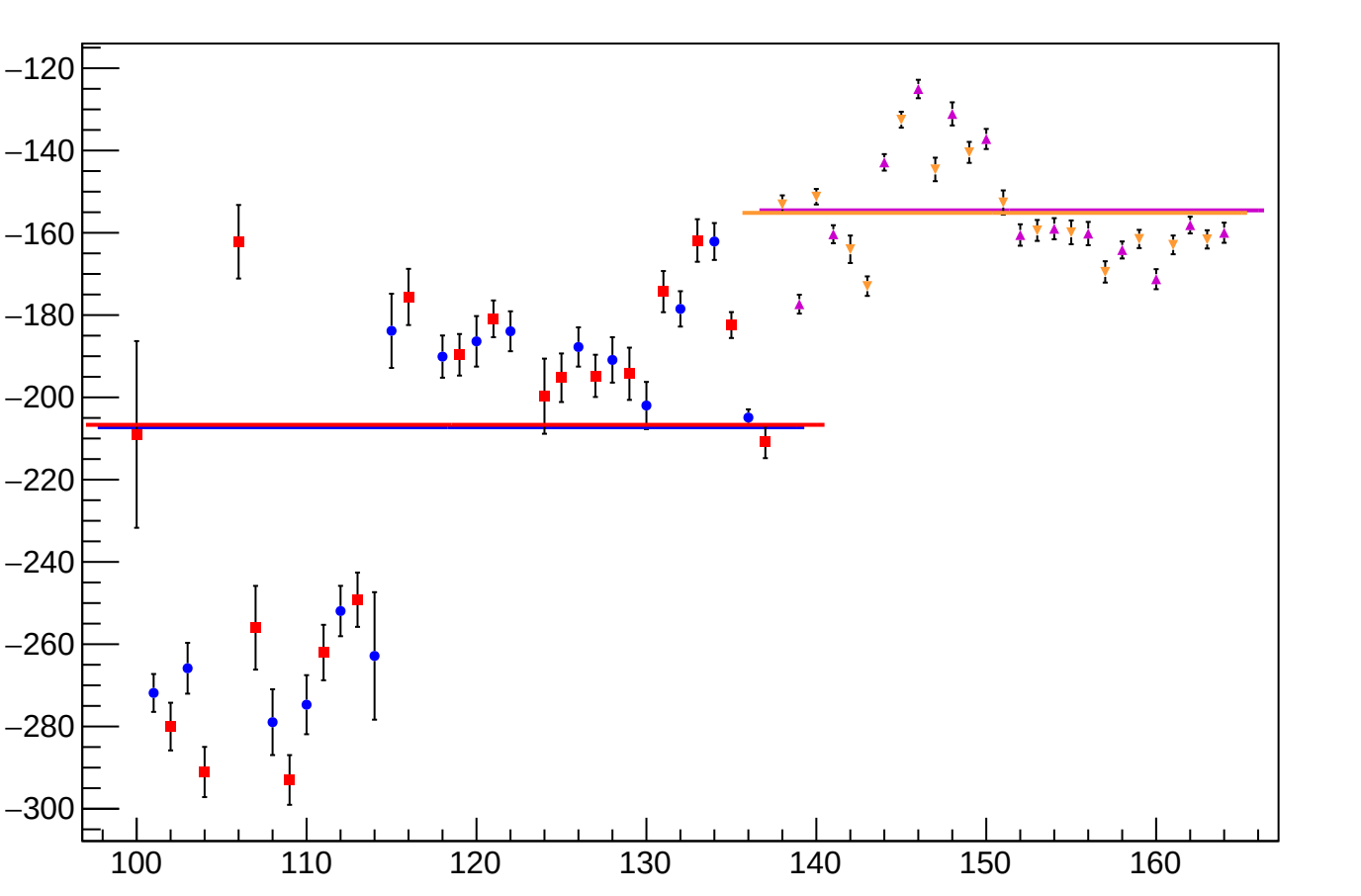
Left: -31.586+/-0.328 χ^2/NDF: 1573.4/26

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -34.892+/-0.432 χ^2/NDF:3260.1/28

Out: -32.987+/-0.427 χ^2/NDF:2311.6/32

All: -33.928+/-0.304 χ^2/NDF: 5581.6/61



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -155.156+/-0.640 χ^2/NDF:317.7/13

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -154.544+/-0.649 χ^2/NDF:521.7/12

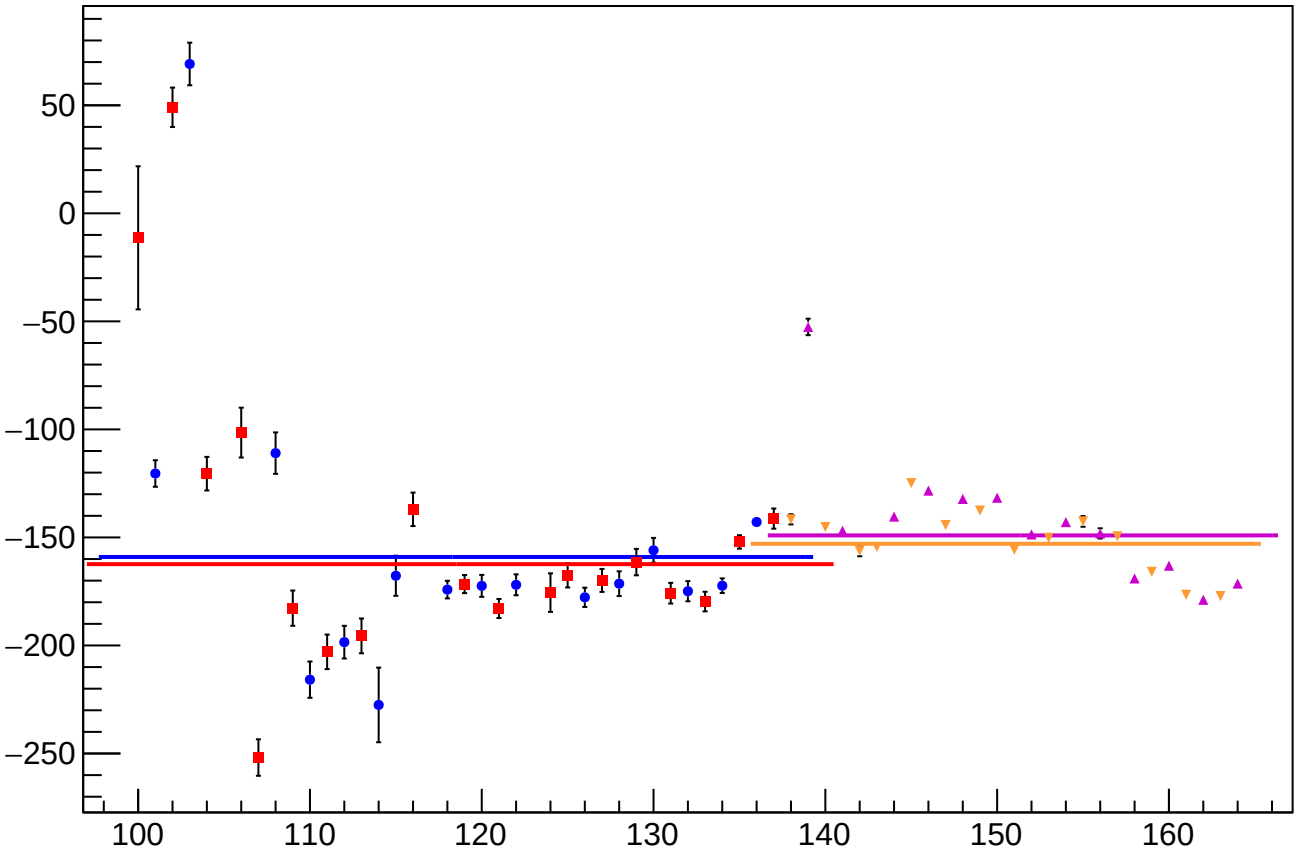
Left: -154.854+/-0.456 χ^2/NDF: 839.9/26

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

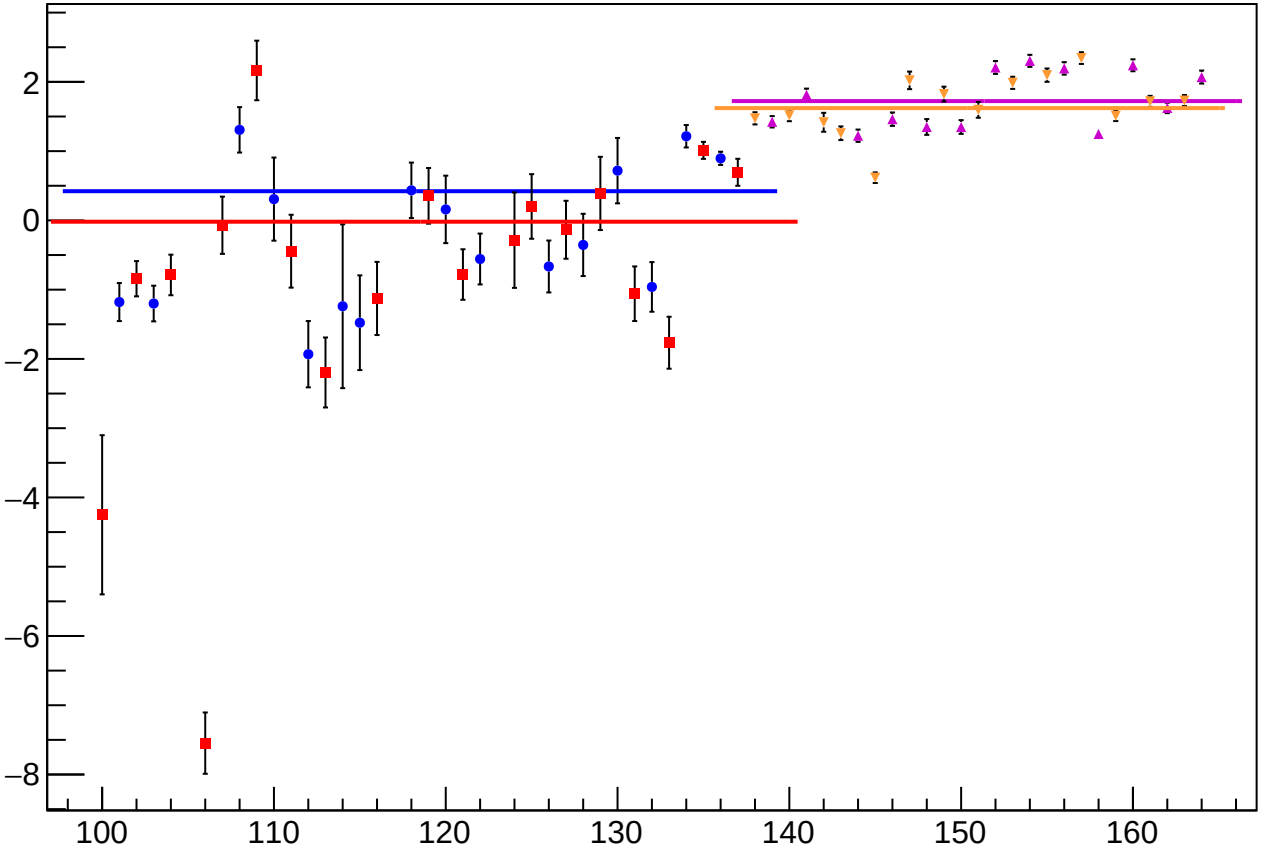
In: -166.809+/-0.568 χ^2/NDF:2806.4/28

Out: -165.478+/-0.573 χ^2/NDF:2583.5/32

All: -166.149+/-0.403 χ^2/NDF: 5392.7/61


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
Right In: -159.048+/-1.225 χ²/NDF: 815.8/15
Left Out: -152.948+/-0.532 χ²/NDF:844.1/13
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: -149.056+/-0.541 χ²/NDF:1602.6/12
Left: -151.036+/-0.379 χ²/NDF: 2473.1/26
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -150.686+/-0.495 χ²/NDF:2474.0/28
Out: -154.255+/-0.493 χ²/NDF:1760.3/32
All: -152.477+/-0.349 χ²/NDF: 4260.4/61

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.621+/-0.024 χ^2/NDF:325.0/13

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.722+/-0.024 χ^2/NDF:272.0/12

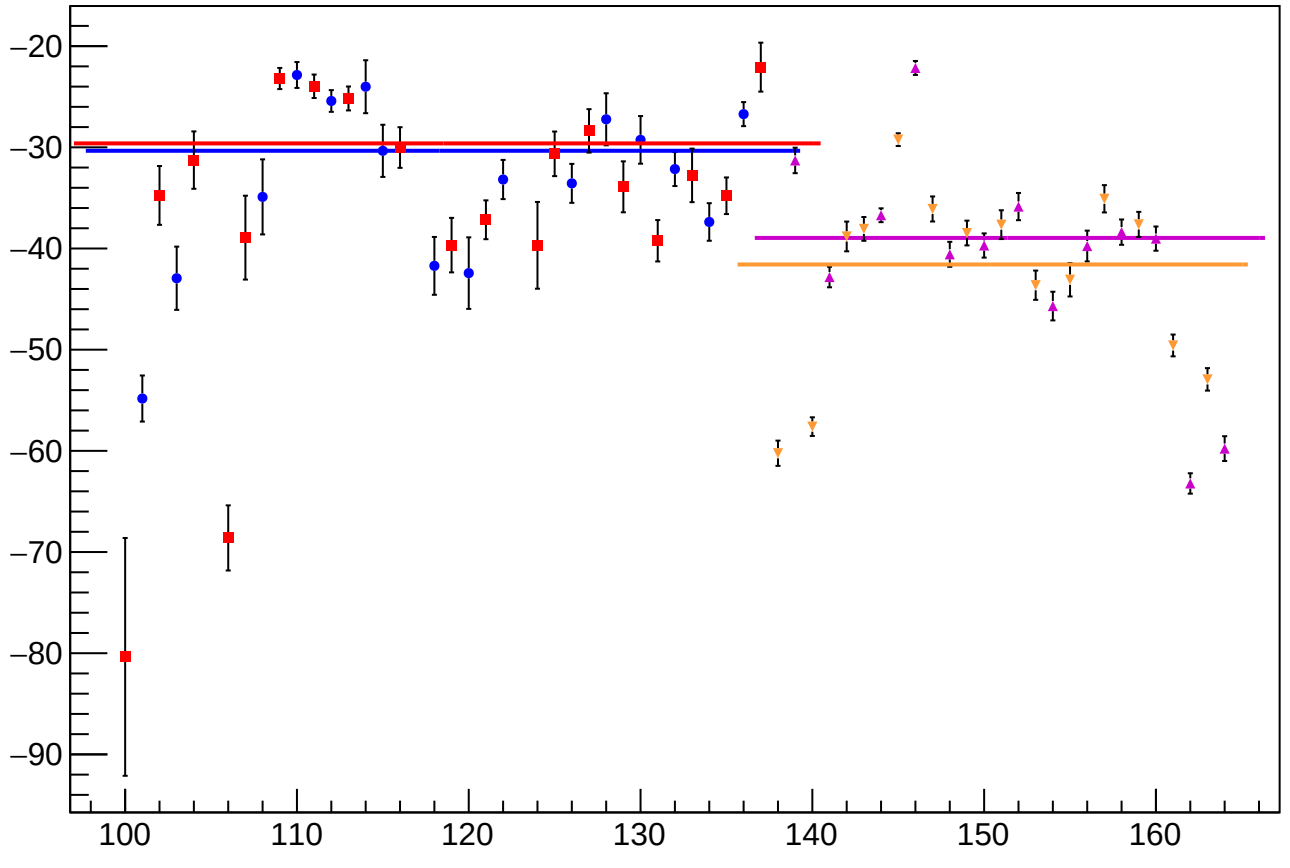
Left: 1.672+/-0.017 χ^2/NDF: 605.6/26

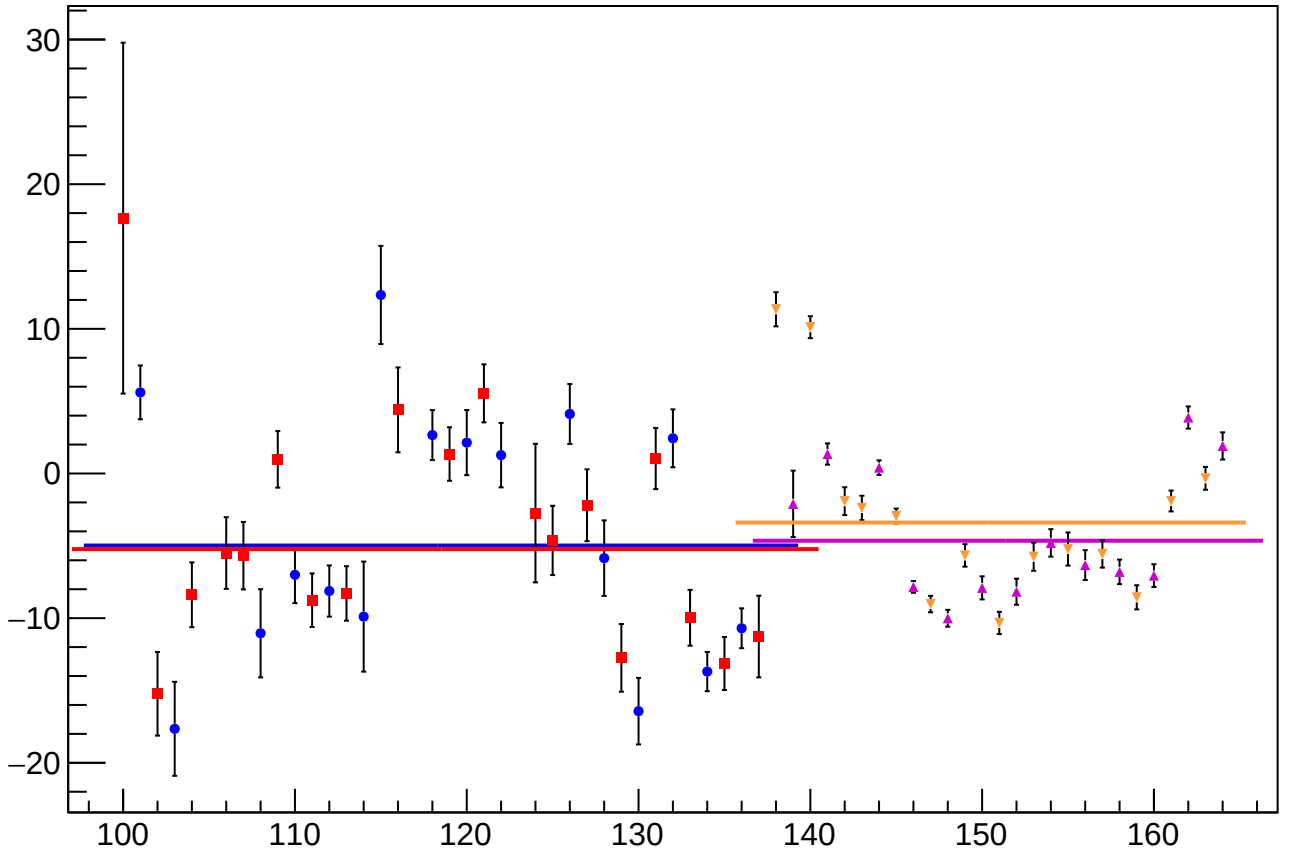
Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.560+/-0.023 χ^2/NDF:822.4/28

Out: 1.454+/-0.023 χ^2/NDF:1275.1/32

All: 1.508+/-0.016 χ^2/NDF: 2108.2/61


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -41.579+/-0.301 χ²/NDF:1150.3/13
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -38.955+/-0.293 χ²/NDF:1552.0/12
Left: -40.232+/-0.210 χ²/NDF: 2741.3/26
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -36.529+/-0.248 χ²/NDF:2049.1/28
Out: -37.888+/-0.250 χ²/NDF:1967.5/32
All: -37.204+/-0.176 χ²/NDF: 4031.5/61



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.390+/-0.208 χ^2/NDF:738.9/13

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -4.648+/-0.197 χ^2/NDF:537.6/12

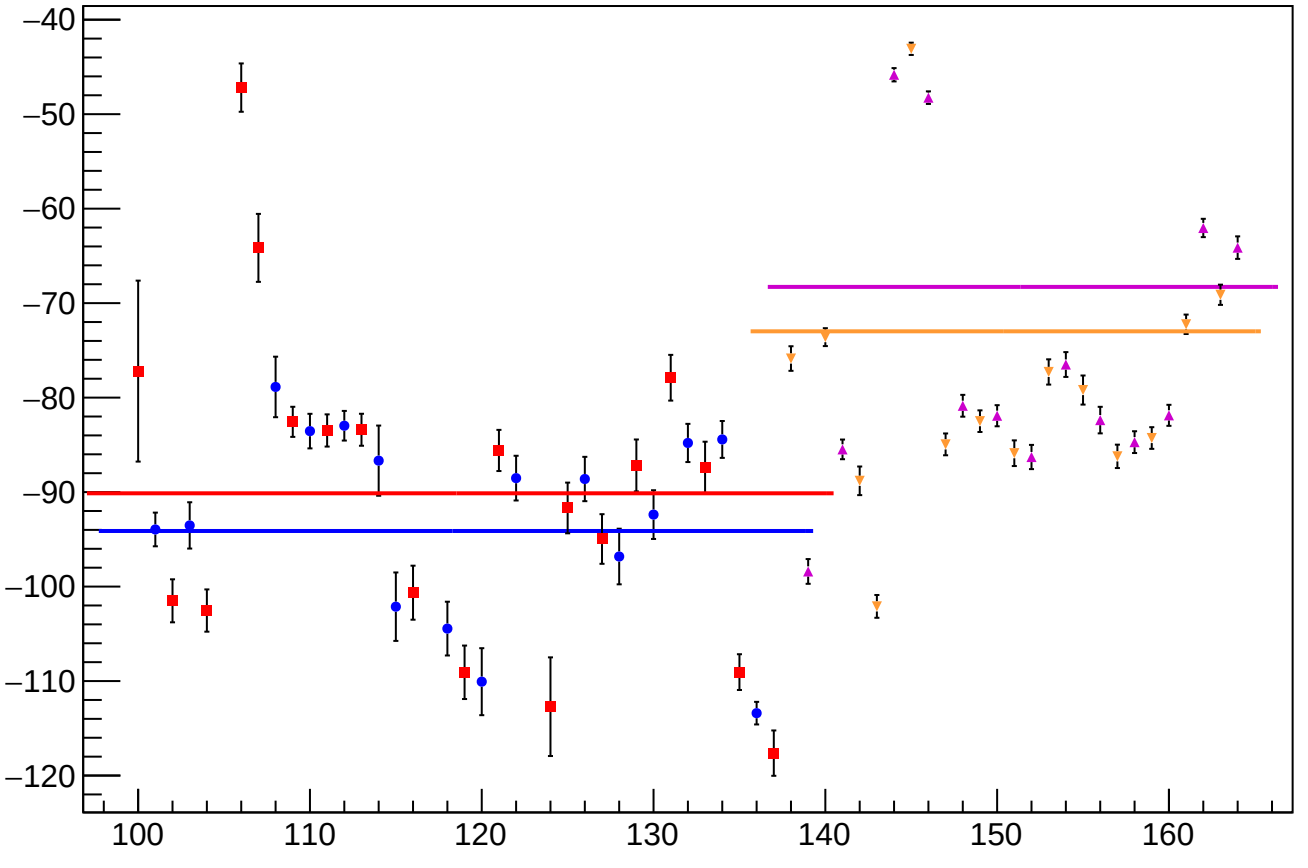
Left: -4.054+/-0.143 χ^2/NDF: 1295.7/26

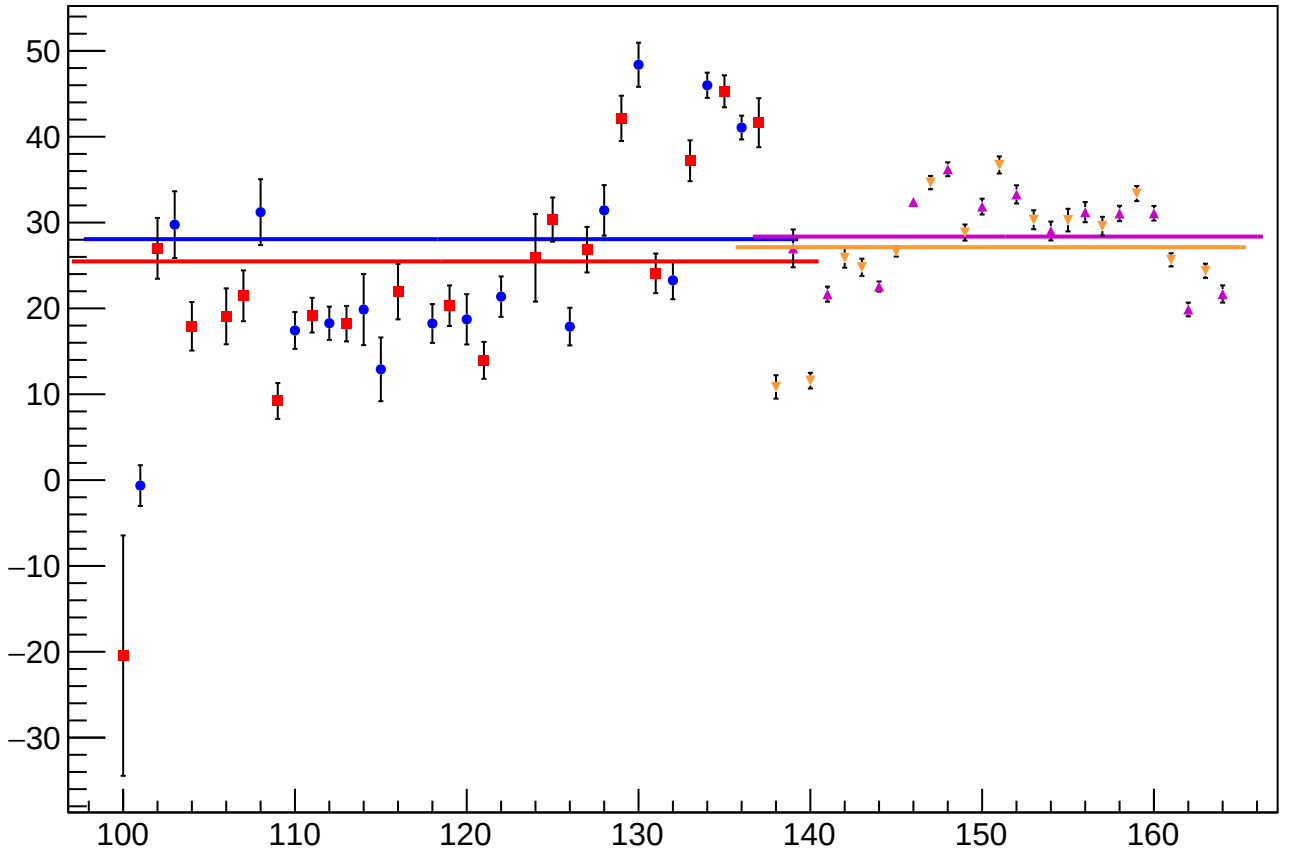
Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -4.691+/-0.184 χ^2/NDF:775.3/28

Out: -3.641+/-0.194 χ^2/NDF:886.0/32

All: -4.193+/-0.133 χ^2/NDF: 1676.8/61


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
160
Right In: -94.115+/-0.537 χ²/NDF: 466.8/15
Left Out: -72.983+/-0.295 χ²/NDF:3327.8/13
Right Out: -90.127+/-0.543 χ²/NDF: 789.3/18
Left In: -68.281+/-0.285 χ²/NDF:3732.4/12
Left: -70.544+/-0.205 χ²/NDF: 7191.7/26
Right: -92.143+/-0.382 χ²/NDF: 1283.5/34
In: -73.945+/-0.251 χ²/NDF:6006.1/28
Out: -76.898+/-0.259 χ²/NDF:4886.6/32
All: -75.375+/-0.181 χ²/NDF: 10959.5/61



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 27.135+/-0.244 χ^2/NDF:714.2/13

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 28.366+/-0.232 χ^2/NDF:530.4/12

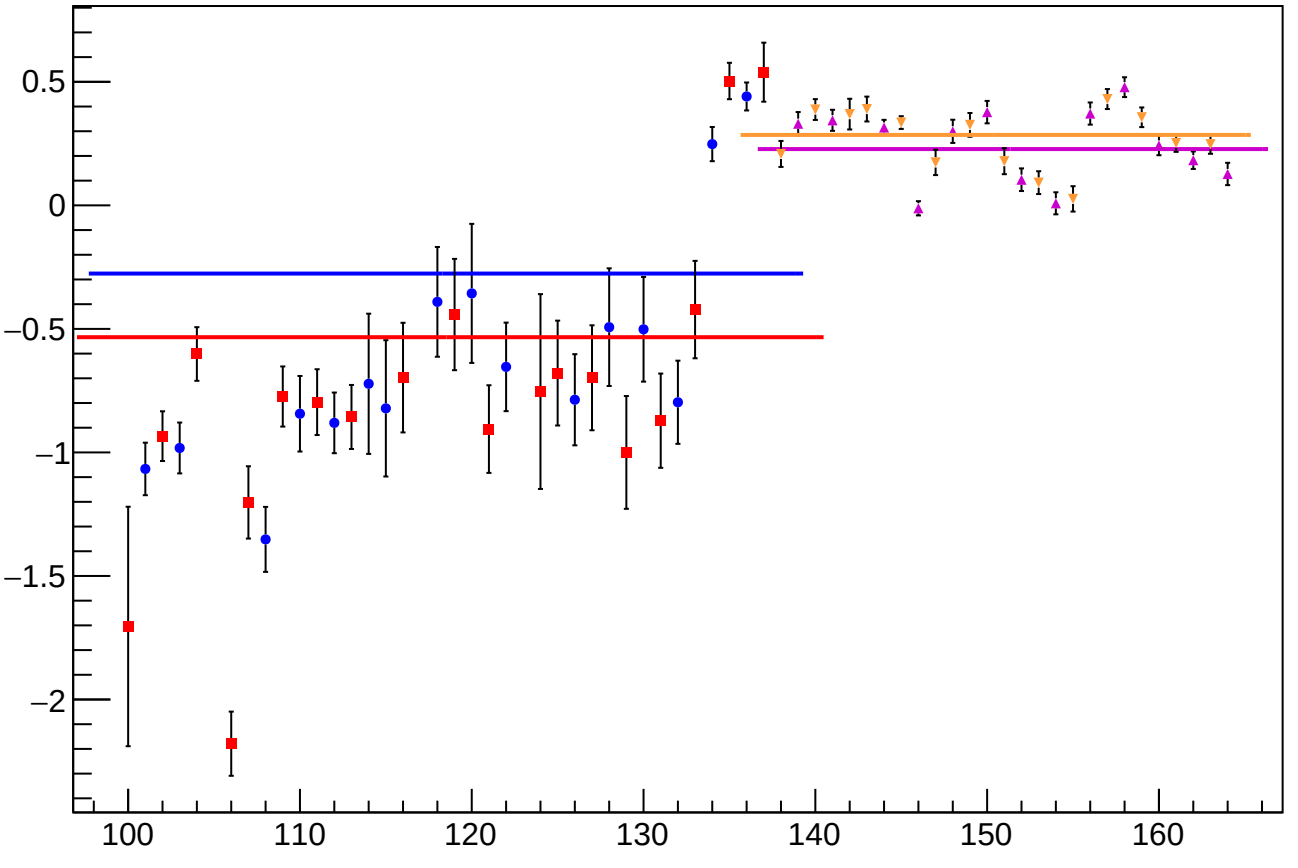
Left: 27.780+/-0.168 χ^2/NDF: 1257.9/26

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 28.323+/-0.215 χ^2/NDF:1113.7/28

Out: 26.894+/-0.225 χ^2/NDF:1075.6/32

All: 27.642+/-0.156 χ^2/NDF: 2210.3/61



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.285+/-0.011 χ^2/NDF:88.3/13

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.228+/-0.011 χ^2/NDF:189.8/12

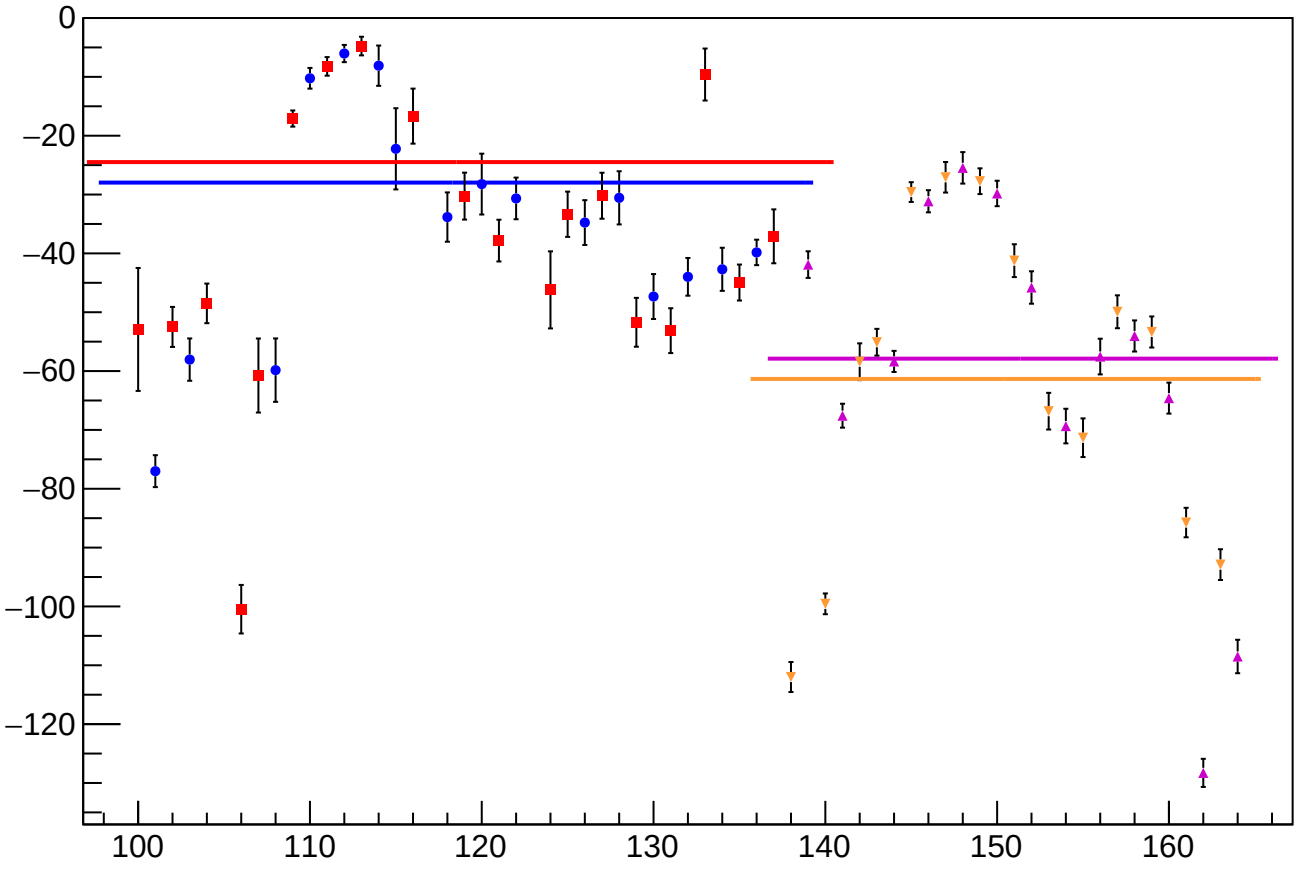
Left: 0.256+/-0.008 χ^2/NDF: 291.2/26

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.170+/-0.010 χ^2/NDF:884.8/28

Out: 0.198+/-0.011 χ^2/NDF:1153.7/32

All: 0.184+/-0.007 χ^2/NDF: 2042.0/61



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -61.337+/-0.648 χ^2/NDF:1969.9/13

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -57.889+/-0.656 χ^2/NDF:1817.9/12

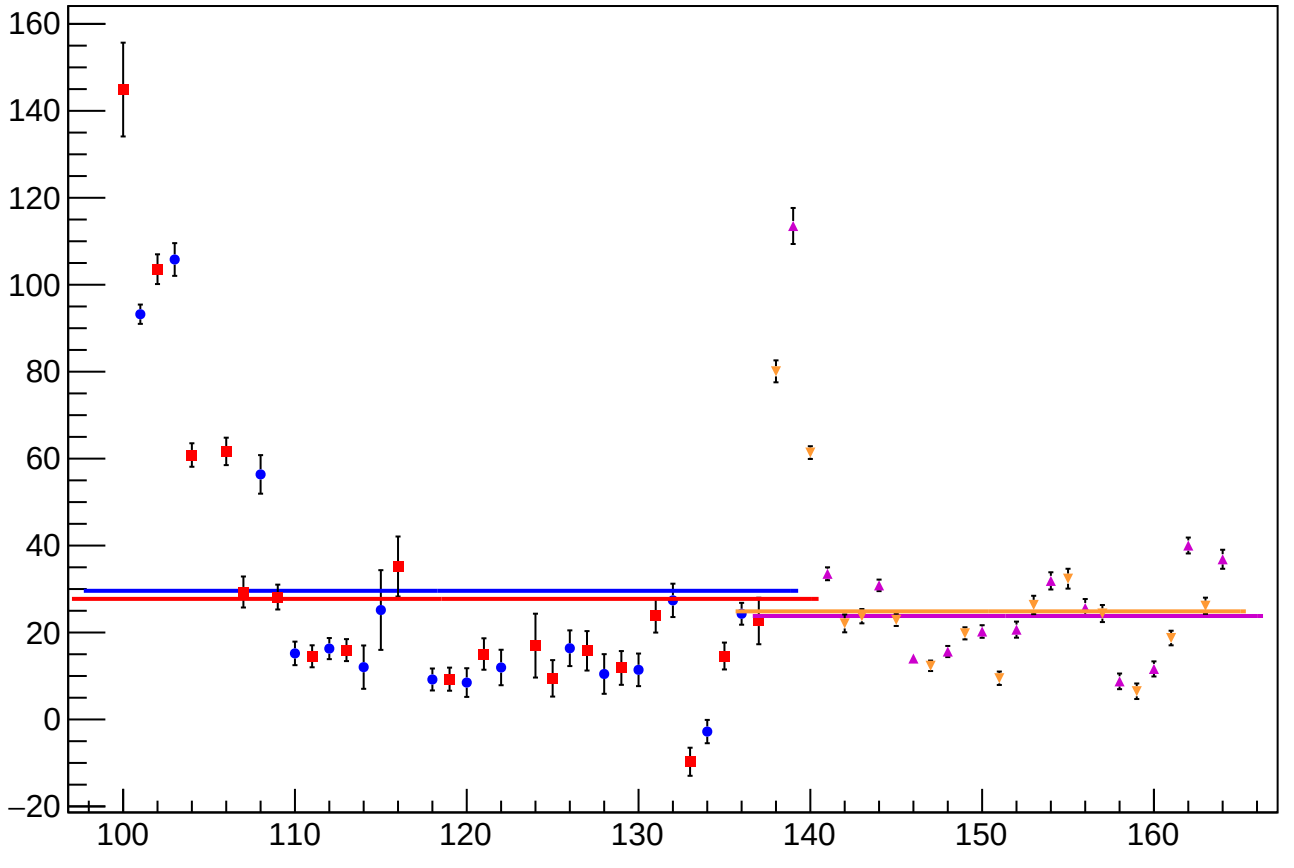
Left: -59.634+/-0.461 χ^2/NDF: 3801.8/26

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -44.481+/-0.487 χ^2/NDF:3645.9/28

Out: -43.333+/-0.463 χ^2/NDF:4540.4/32

All: -43.878+/-0.336 χ^2/NDF: 8189.2/61



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 24.871+/-0.448 χ^2/NDF:1453.2/13

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 23.796+/-0.454 χ^2/NDF:912.7/12

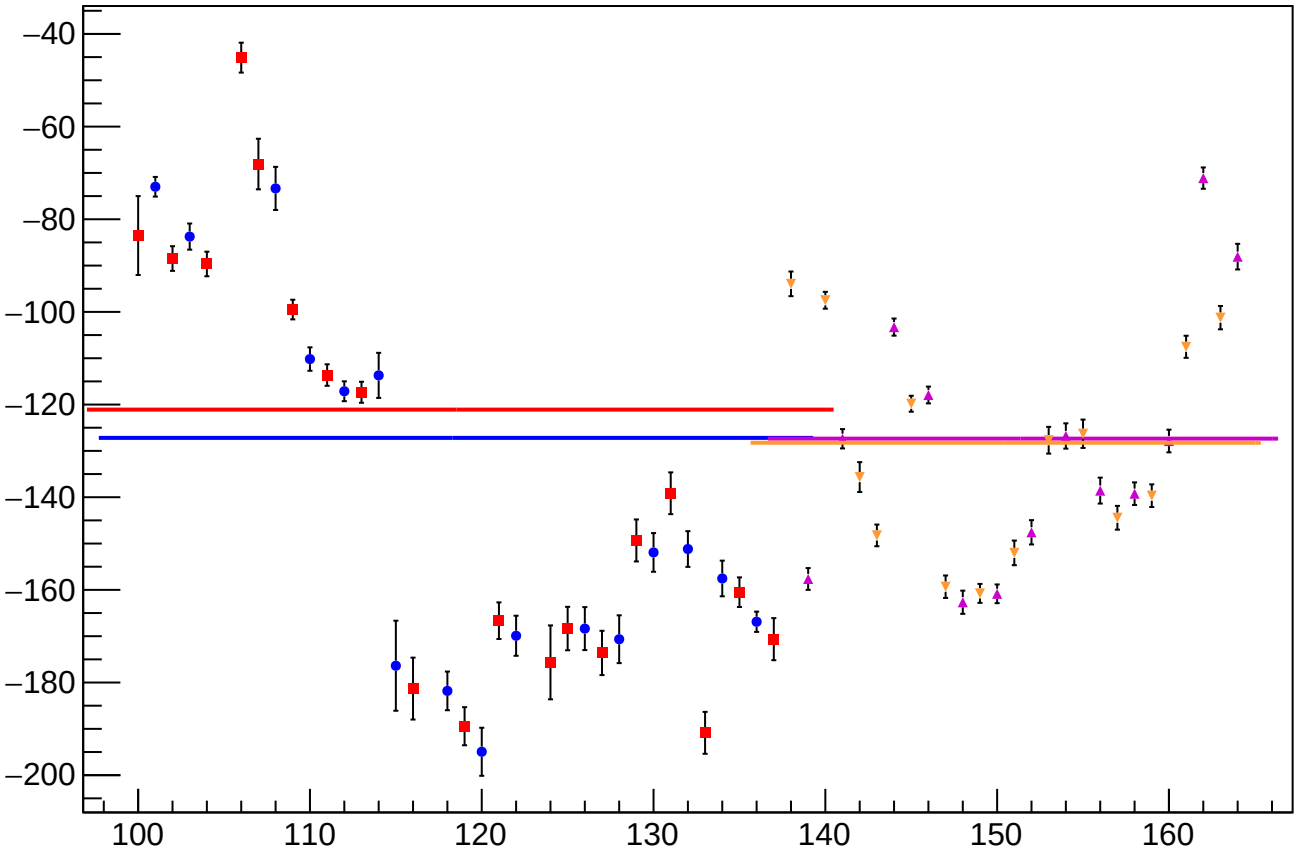
Left: 24.340+/-0.319 χ^2/NDF: 2368.7/26

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 25.189+/-0.396 χ^2/NDF:2617.6/28

Out: 25.558+/-0.390 χ^2/NDF:2648.1/32

All: 25.376+/-0.278 χ^2/NDF: 5266.1/61



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -128.239+/-0.634 χ^2/NDF:1305.2/13

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -127.353+/-0.636 χ^2/NDF:1735.2/12

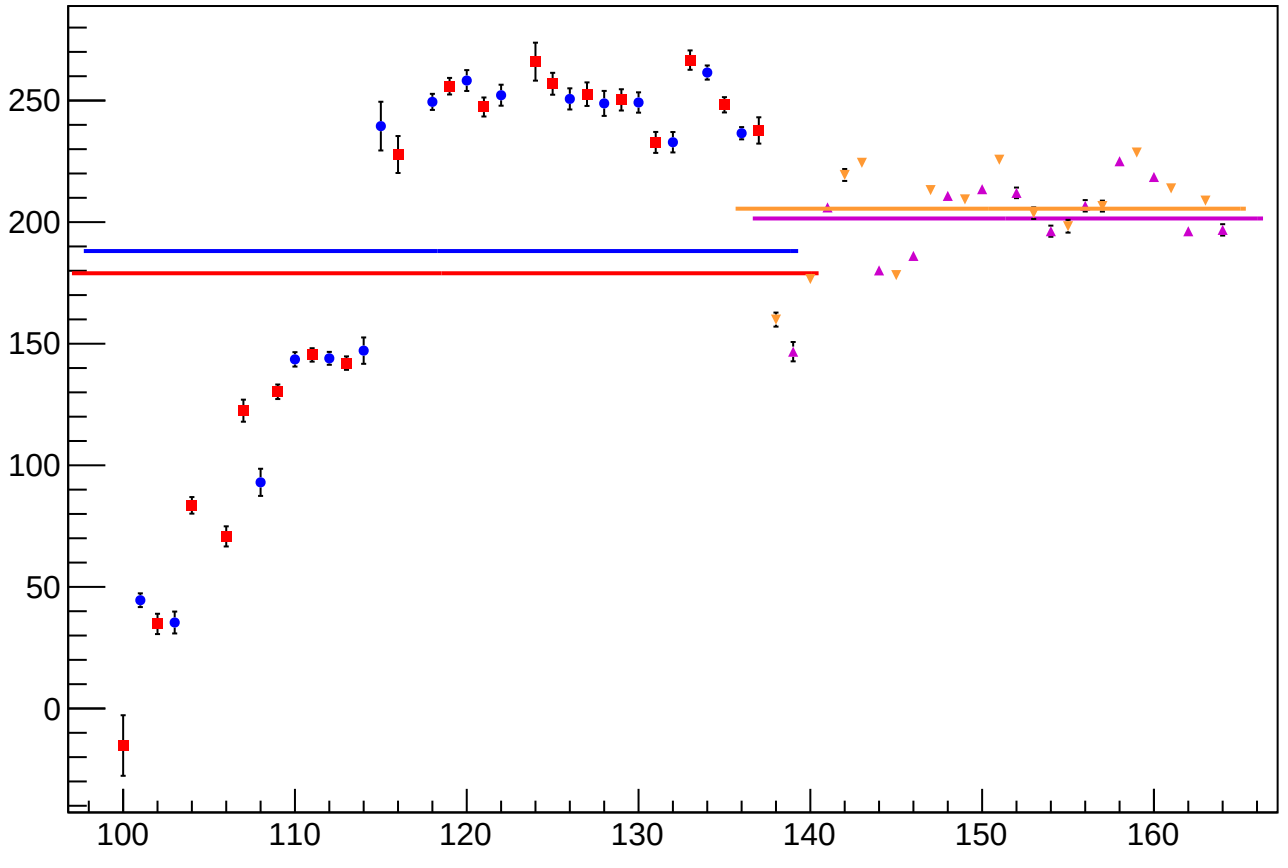
Left: -127.797+/-0.449 χ^2/NDF: 3041.3/26

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -127.293+/-0.505 χ^2/NDF:3913.4/28

Out: -125.472+/-0.496 χ^2/NDF:3751.8/32

All: -126.367+/-0.354 χ^2/NDF: 7671.7/61



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 205.529+/-0.526 χ^2/NDF:1252.5/13

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 201.500+/-0.529 χ^2/NDF:864.0/12

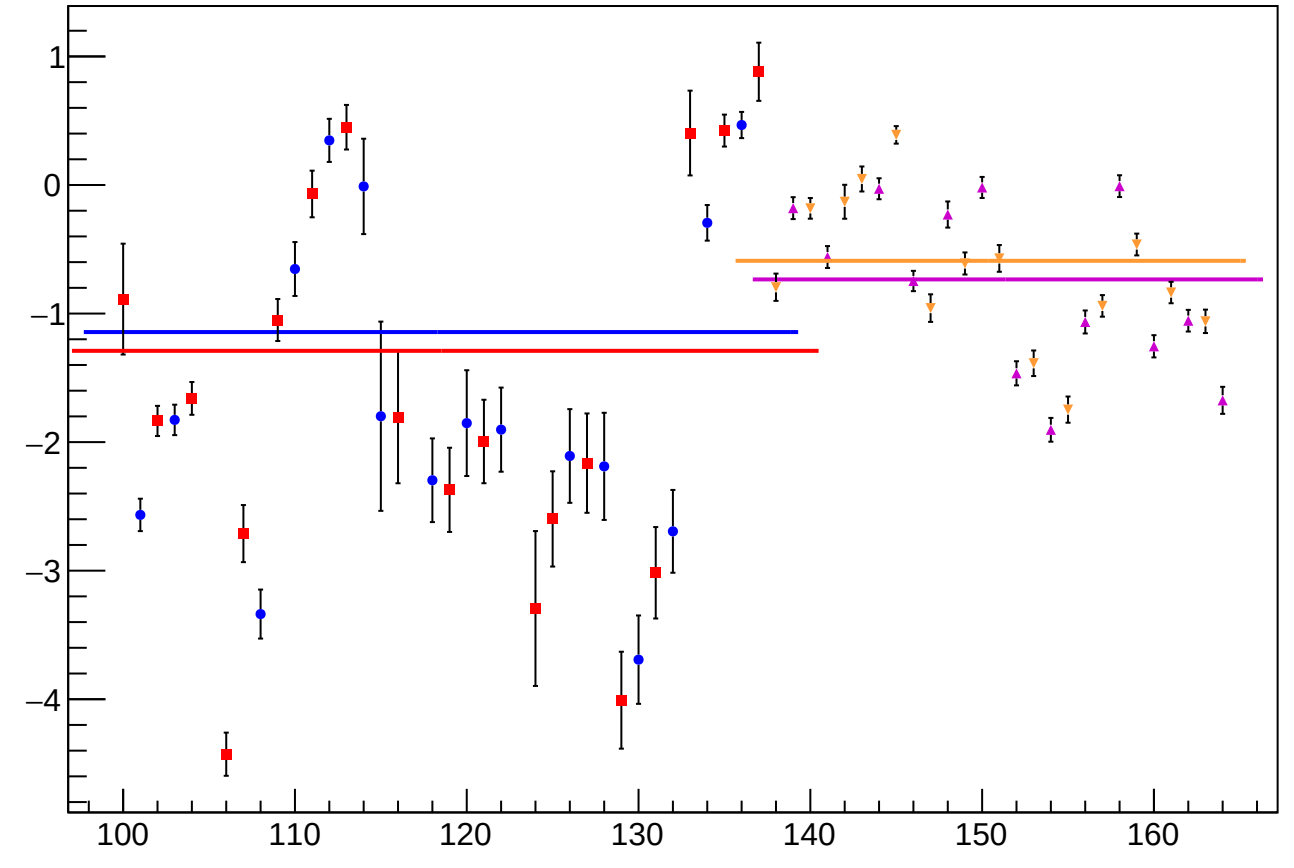
Left: 203.528+/-0.373 χ^2/NDF: 2145.7/26

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 198.162+/-0.458 χ^2/NDF:8142.4/28

Out: 198.867+/-0.455 χ^2/NDF:8562.1/32

All: 198.517+/-0.323 χ^2/NDF: 16705.7/61



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.590+/-0.024 χ^2/NDF:551.3/13

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.734+/-0.024 χ^2/NDF:660.3/12

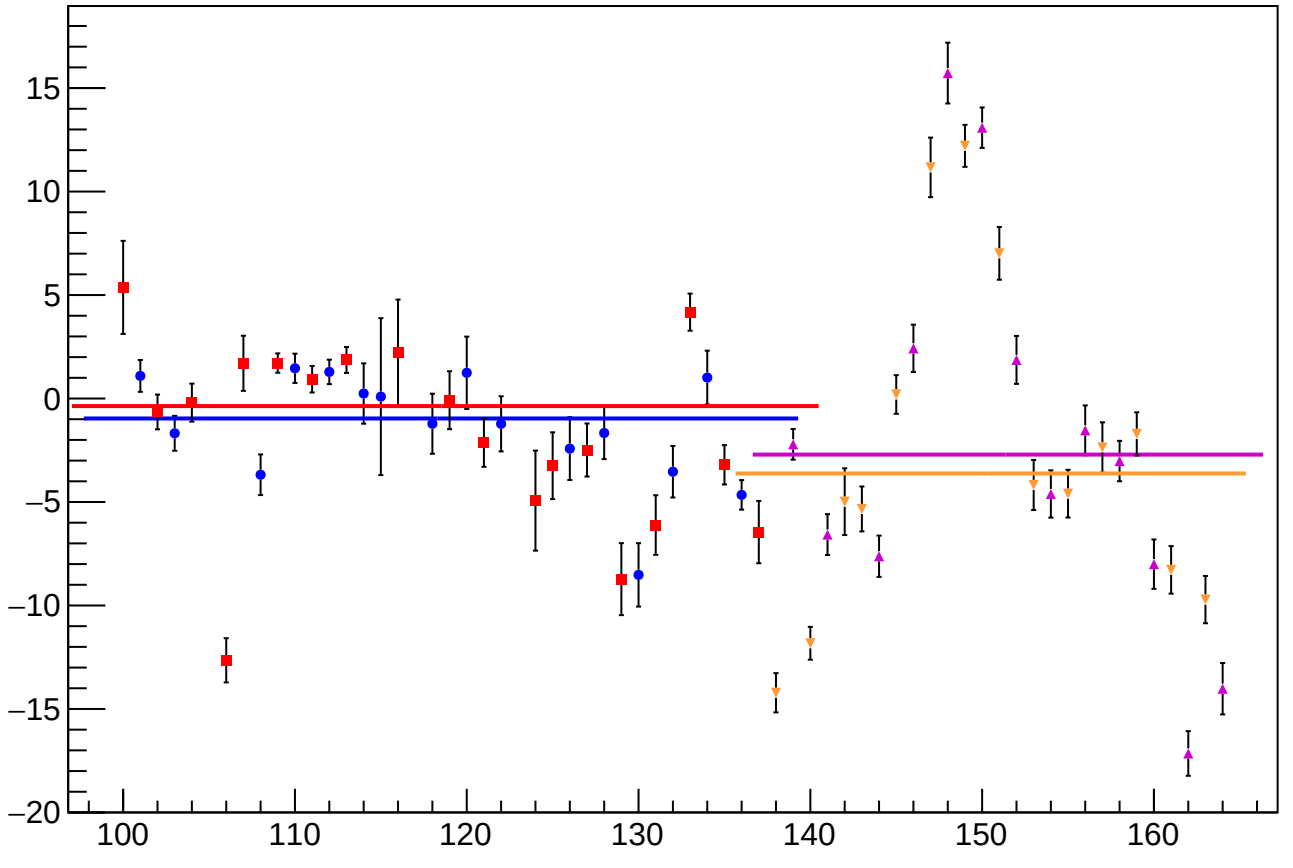
Left: -0.662+/-0.017 χ^2/NDF: 1229.3/26

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.818+/-0.022 χ^2/NDF:1505.6/28

Out: -0.736+/-0.022 χ^2/NDF:1721.8/32

All: -0.777+/-0.015 χ^2/NDF: 3234.5/61



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -3.622+/-0.292 χ^2/NDF:721.4/13

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -2.709+/-0.294 χ^2/NDF:780.3/12

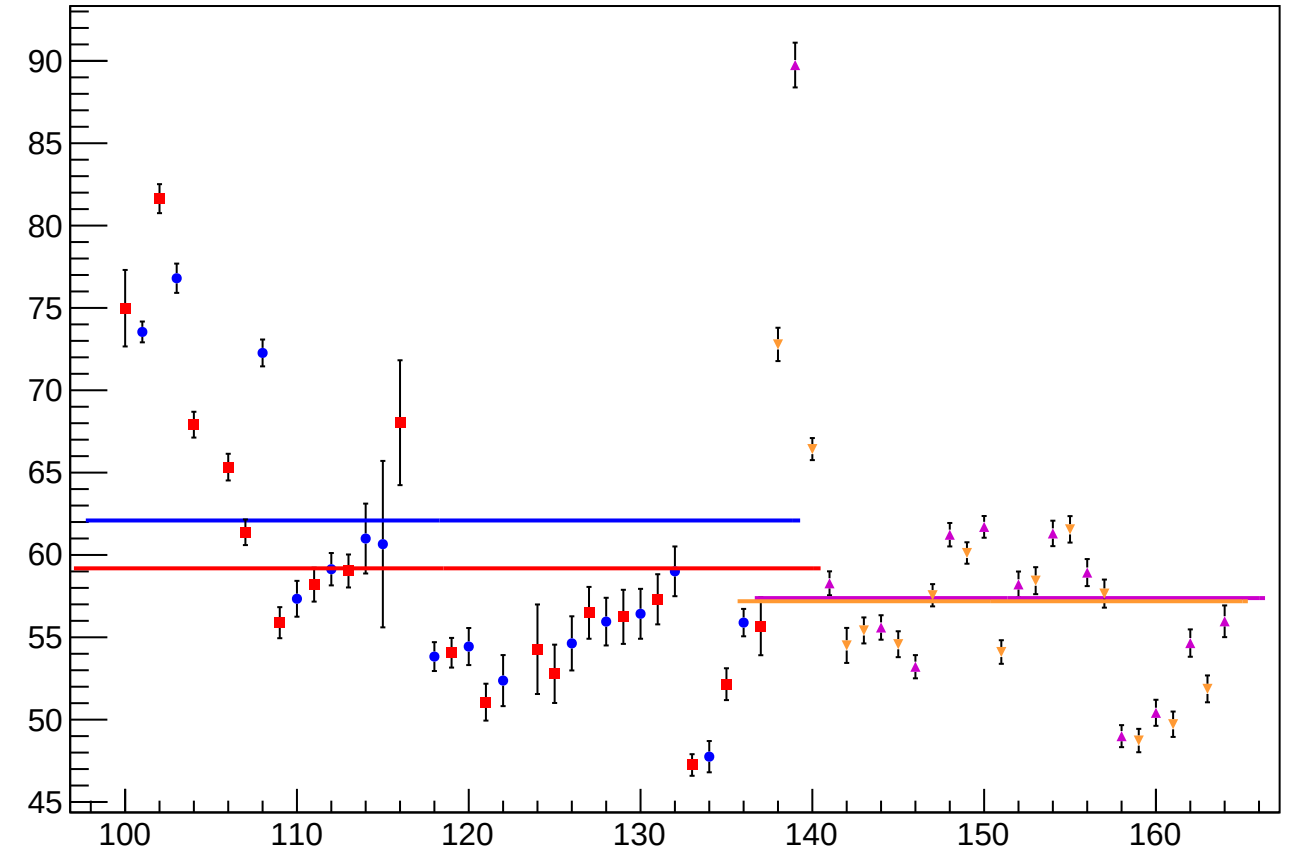
Left: -3.168+/-0.207 χ^2/NDF: 1506.5/26

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -1.708+/-0.192 χ^2/NDF:903.7/28

Out: -1.569+/-0.178 χ^2/NDF:1080.3/32

All: -1.633+/-0.130 χ^2/NDF: 1984.3/61



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 57.190+/-0.207 χ^2/NDF:799.9/13

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 57.381+/-0.215 χ^2/NDF:959.7/12

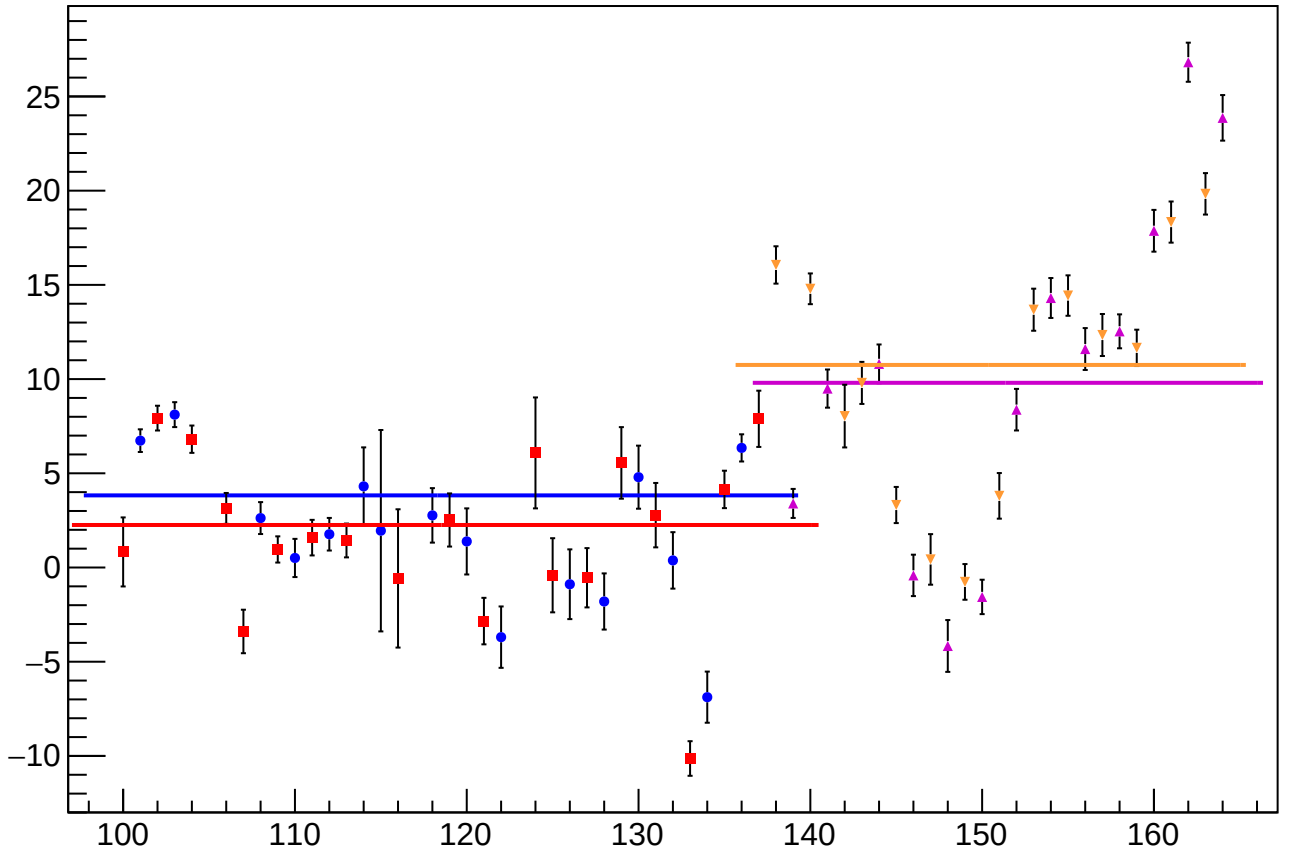
Left: 57.282+/-0.149 χ^2/NDF: 1760.0/26

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 59.246+/-0.167 χ^2/NDF:2451.6/28

Out: 58.026+/-0.158 χ^2/NDF:2241.1/32

All: 58.601+/-0.115 χ^2/NDF: 4720.9/61



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 10.751+/-0.285 χ^2/NDF:494.5/13

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 9.802+/-0.285 χ^2/NDF:903.3/12

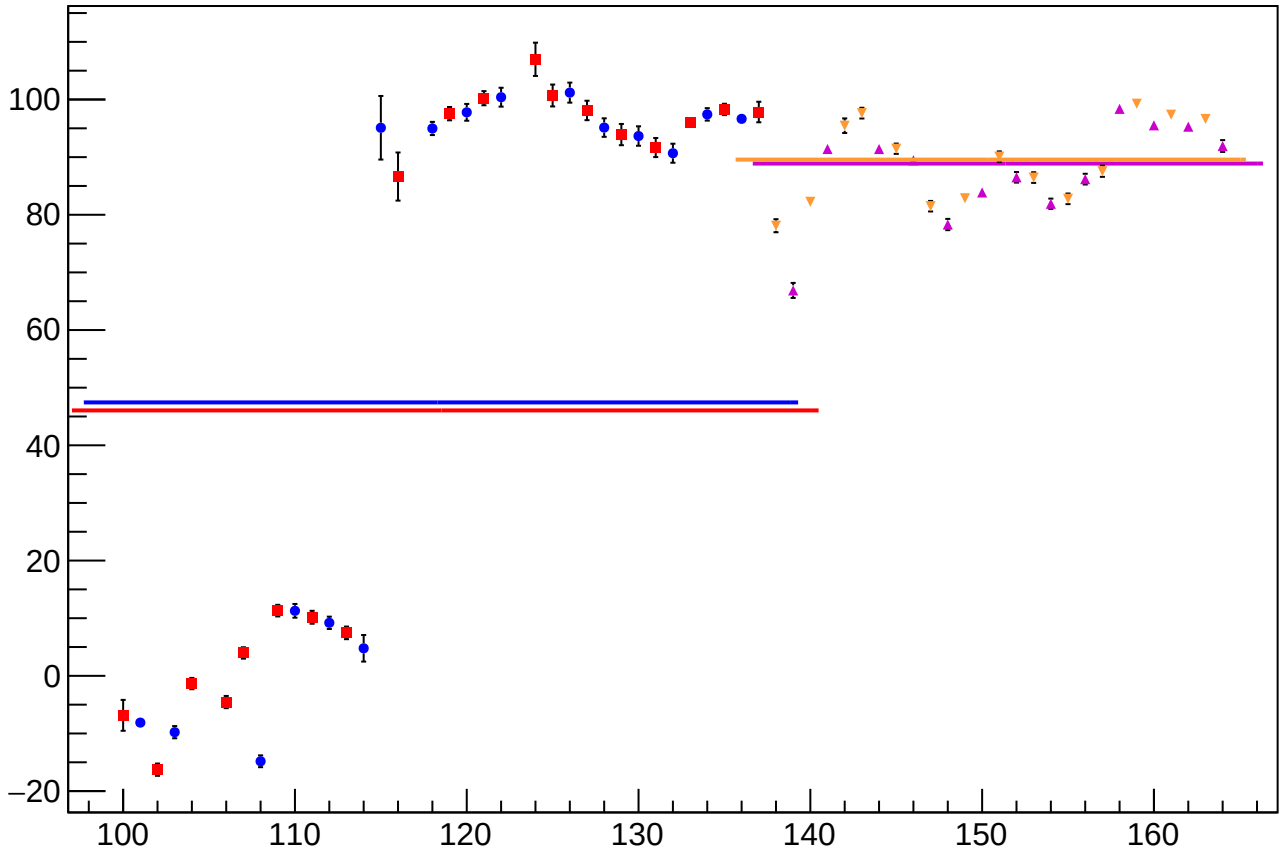
Left: 10.277+/-0.201 χ^2/NDF: 1403.3/26

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 6.605+/-0.194 χ^2/NDF:1347.7/28

Out: 5.896+/-0.186 χ^2/NDF:1375.3/32

All: 6.236+/-0.134 χ^2/NDF: 2729.9/61



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 89.572+/-0.239 χ^2/NDF:837.1/13

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 88.884+/-0.245 χ^2/NDF:845.6/12

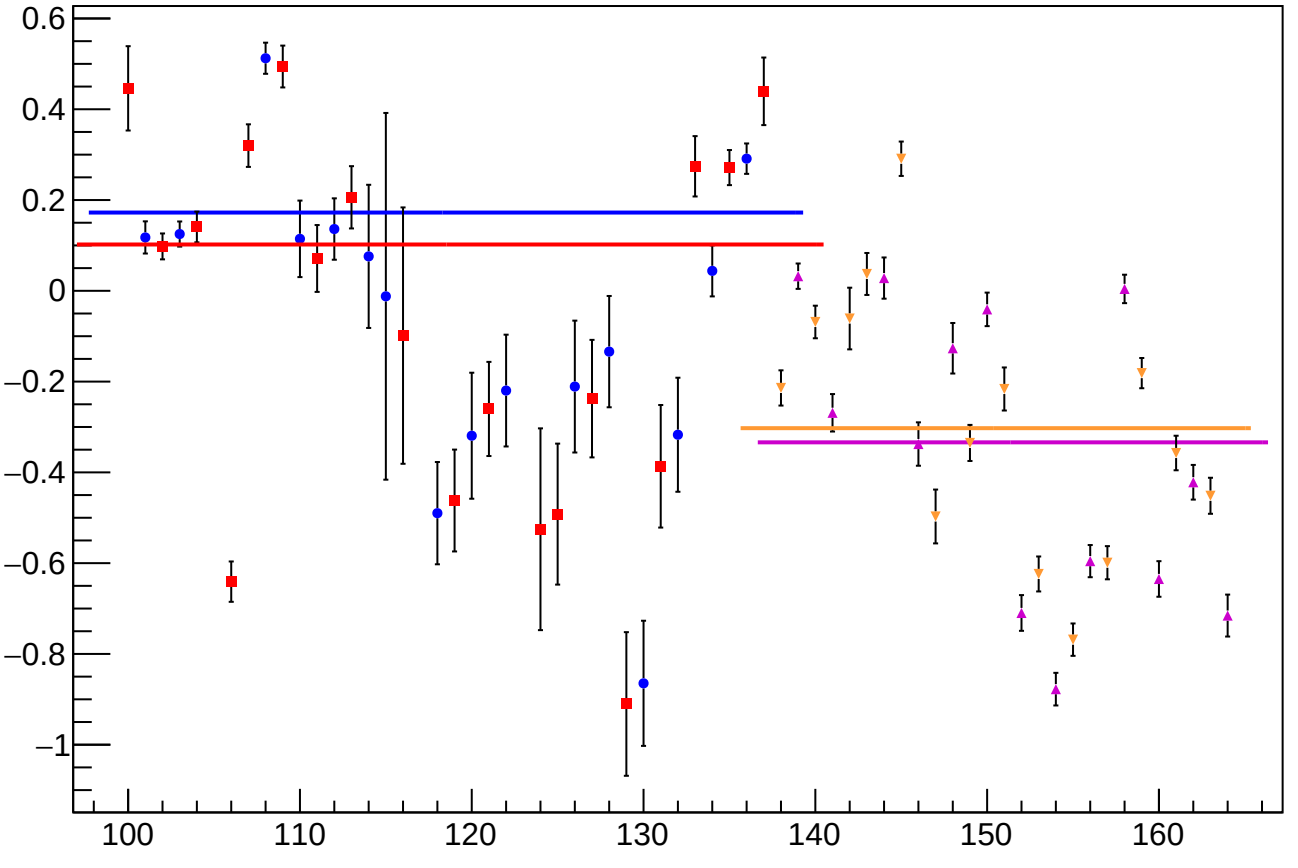
Left: 89.236+/-0.171 χ^2/NDF: 1686.7/26

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 72.831+/-0.192 χ^2/NDF:38818.8/28

Out: 71.535+/-0.183 χ^2/NDF:43442.1/32

All: 72.153+/-0.132 χ^2/NDF: 82284.8/61



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.303+/-0.011 χ^2/NDF:710.2/13

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.334+/-0.011 χ^2/NDF:937.7/12

Left: -0.318+/-0.008 χ^2/NDF: 1652.3/26

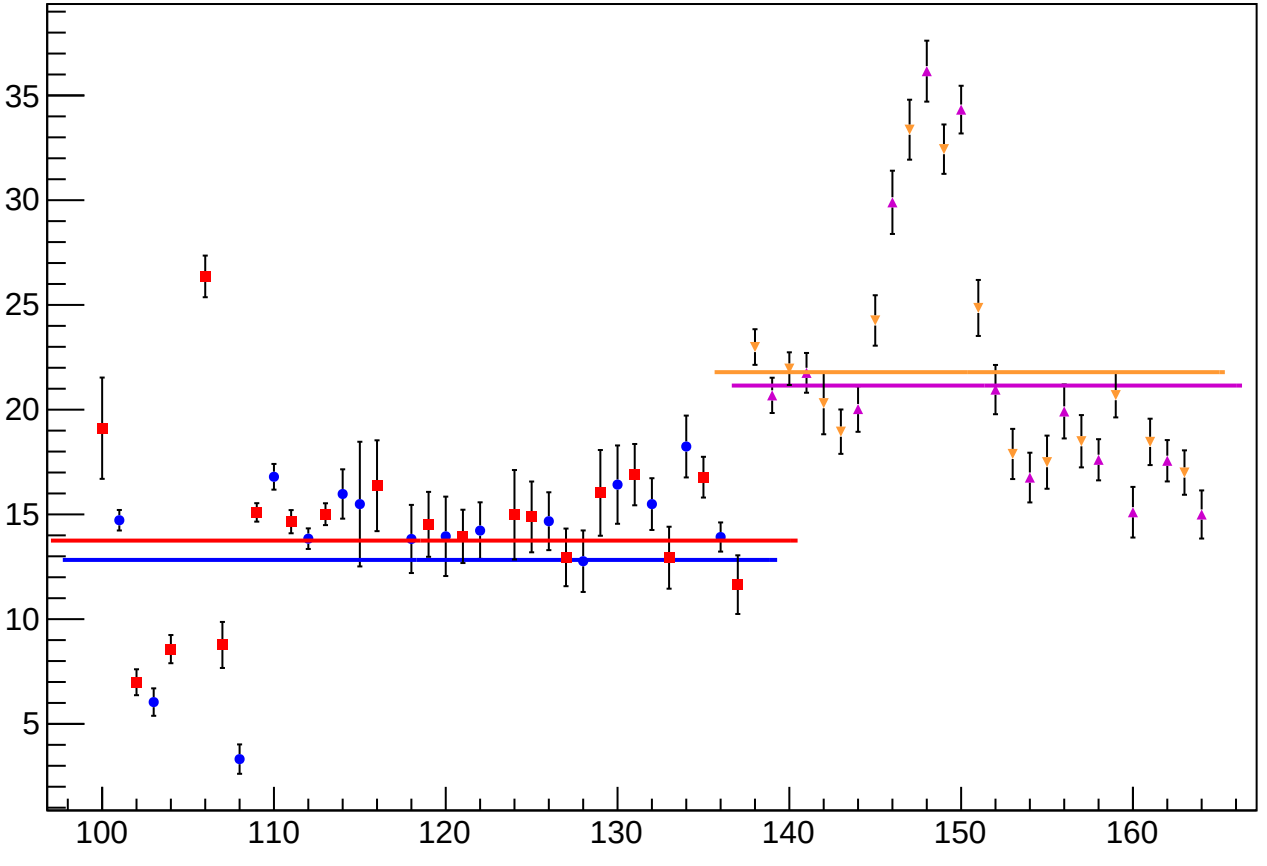
Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.152+/-0.008 χ^2/NDF:2022.1/28

Out: -0.145+/-0.008 χ^2/NDF:1820.4/32

All: -0.148+/-0.006 χ^2/NDF: 3842.9/61

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.791+/-0.296 χ^2/NDF:226.3/13

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.151+/-0.307 χ^2/NDF:370.2/12

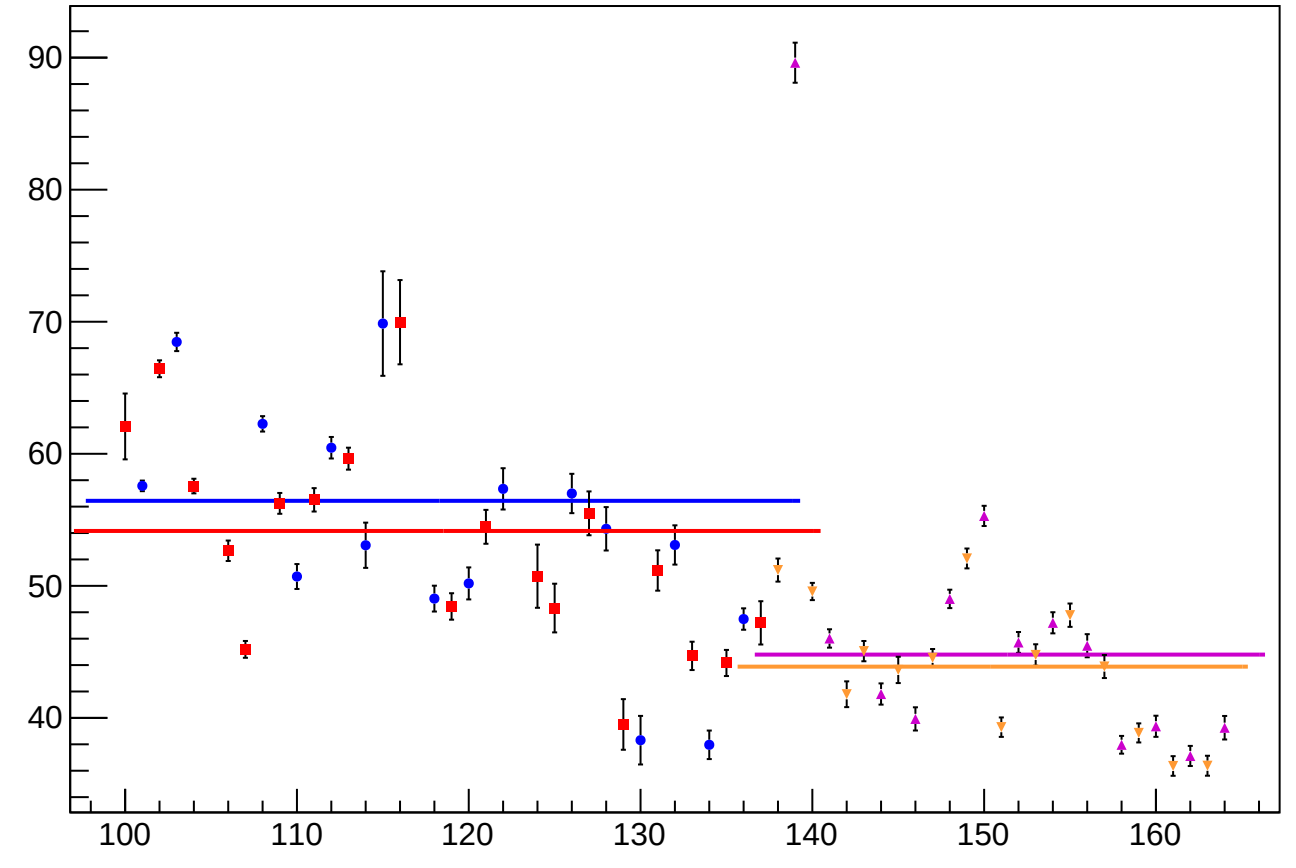
Left: 21.482+/-0.213 χ^2/NDF: 598.8/26

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.546+/-0.176 χ^2/NDF:1252.1/28

Out: 16.337+/-0.168 χ^2/NDF:1129.4/32

All: 15.959+/-0.121 χ^2/NDF: 2392.1/61



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 43.881+/-0.209 χ^2/NDF:581.1/13

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 44.794+/-0.222 χ^2/NDF:1446.0/12

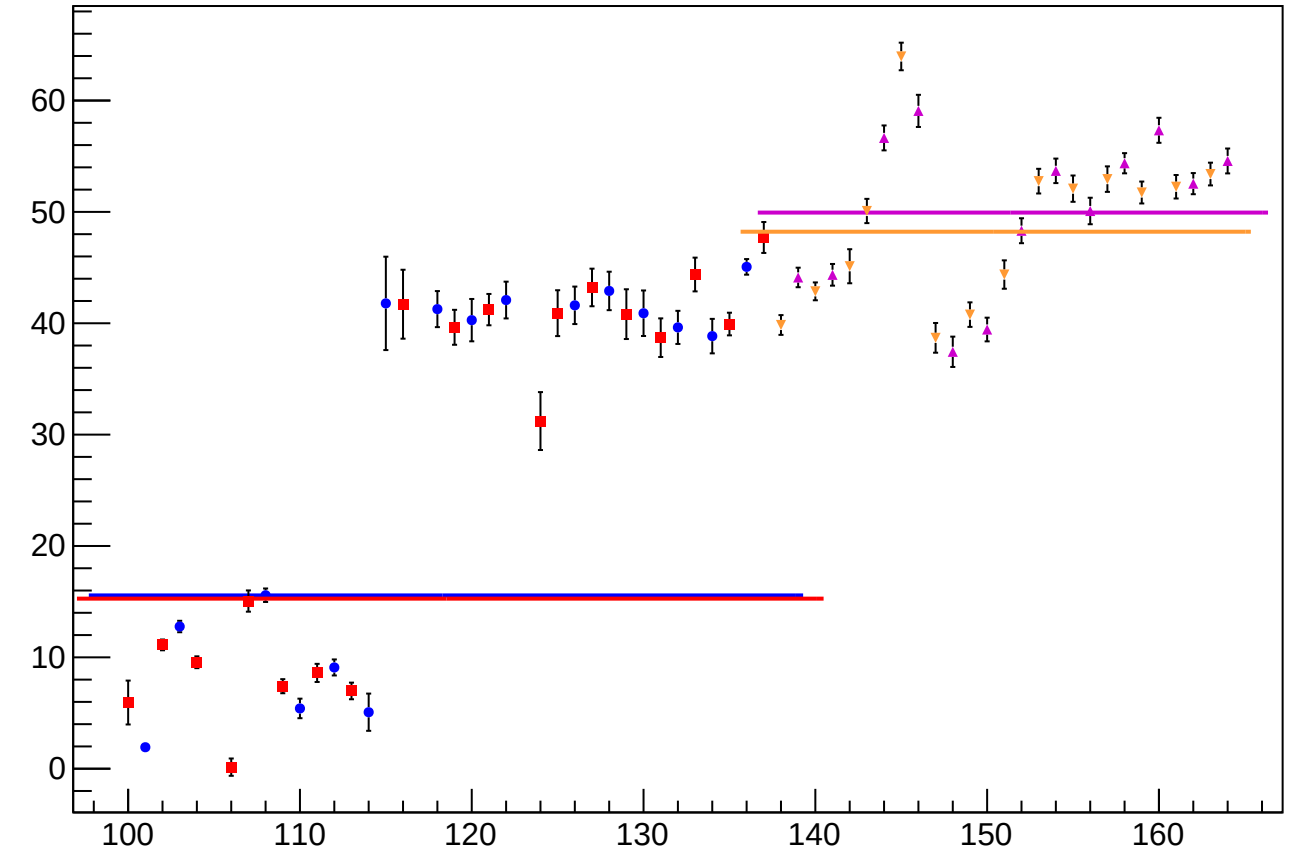
Left: 44.311+/-0.152 χ^2/NDF: 2036.0/26

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 50.614+/-0.157 χ^2/NDF:3912.3/28

Out: 48.654+/-0.153 χ^2/NDF:2709.0/32

All: 49.610+/-0.110 χ^2/NDF: 6701.3/61



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 48.221+/-0.290 χ^2/NDF:505.5/13

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 49.939+/-0.297 χ^2/NDF:440.2/12

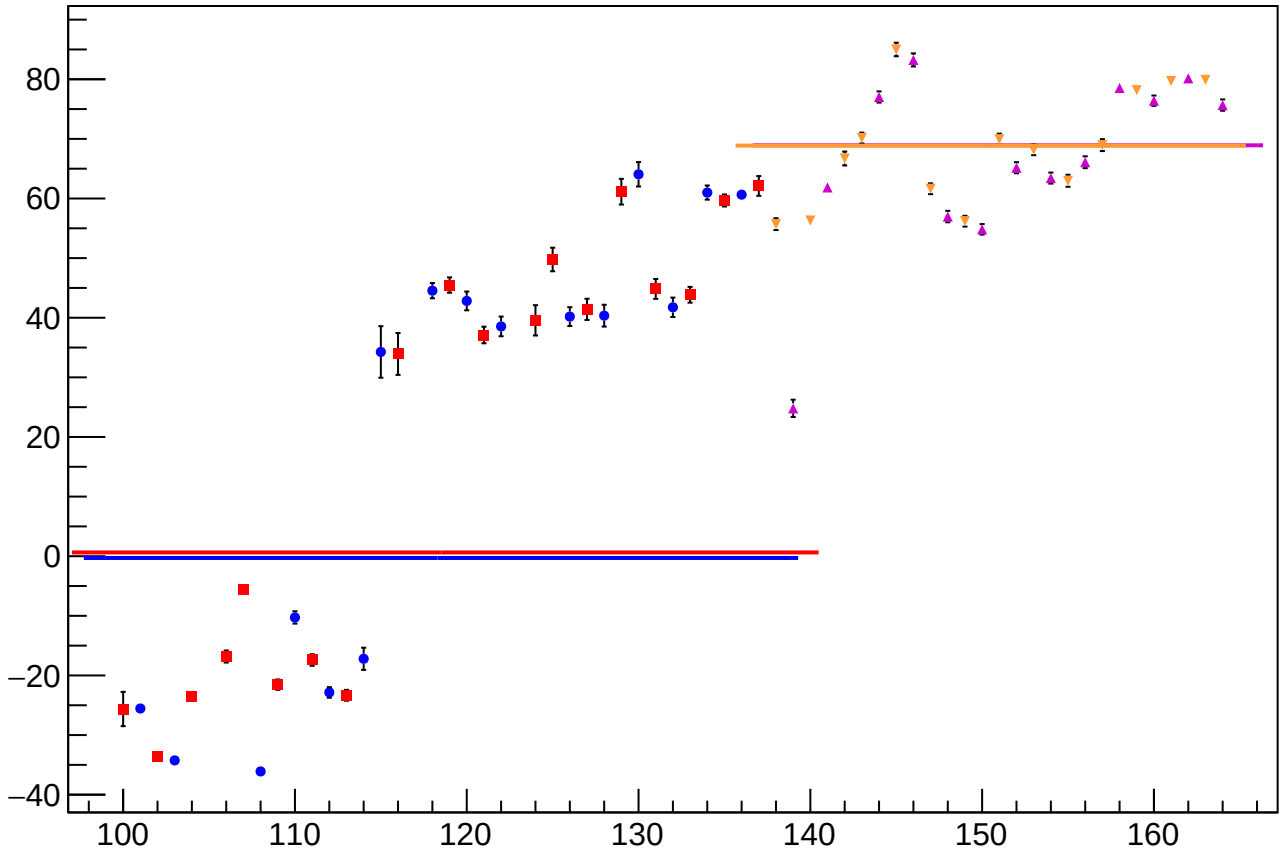
Left: 49.057+/-0.207 χ^2/NDF: 962.8/26

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 27.286+/-0.174 χ^2/NDF:14418.6/28

Out: 27.273+/-0.175 χ^2/NDF:12613.2/32

All: 27.280+/-0.123 χ^2/NDF: 27031.8/61



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 68.873+/-0.242 χ^2/NDF:1468.9/13

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 68.922+/-0.253 χ^2/NDF:2217.7/12

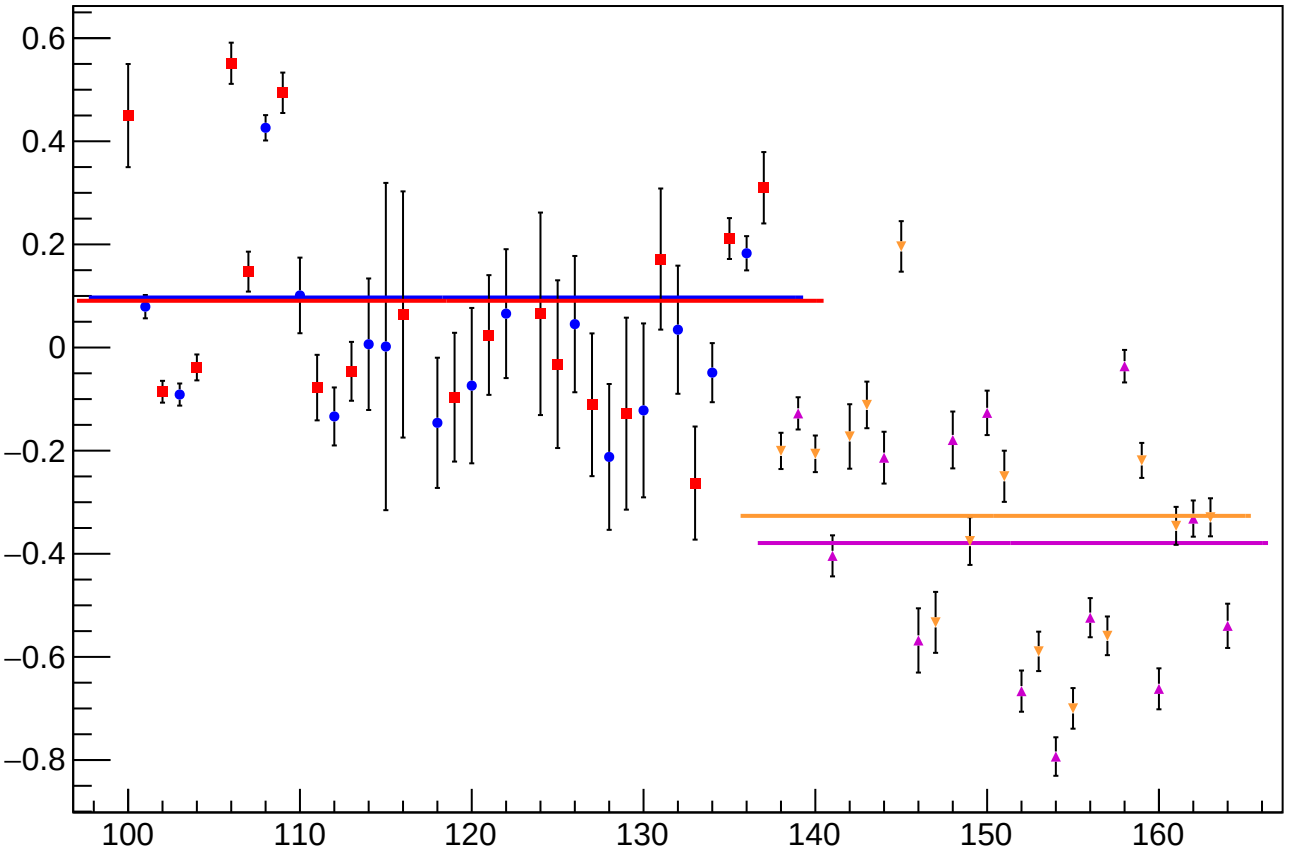
Left: 68.896+/-0.175 χ^2/NDF: 3686.6/26

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 35.466+/-0.182 χ^2/NDF:59475.9/28

Out: 37.622+/-0.178 χ^2/NDF:53821.3/32

All: 36.564+/-0.127 χ^2/NDF: 113369.0/61



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.326+/-0.011 χ^2/NDF:368.4/13

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.379+/-0.011 χ^2/NDF:506.5/12

Left: -0.353+/-0.008 χ^2/NDF: 886.4/26

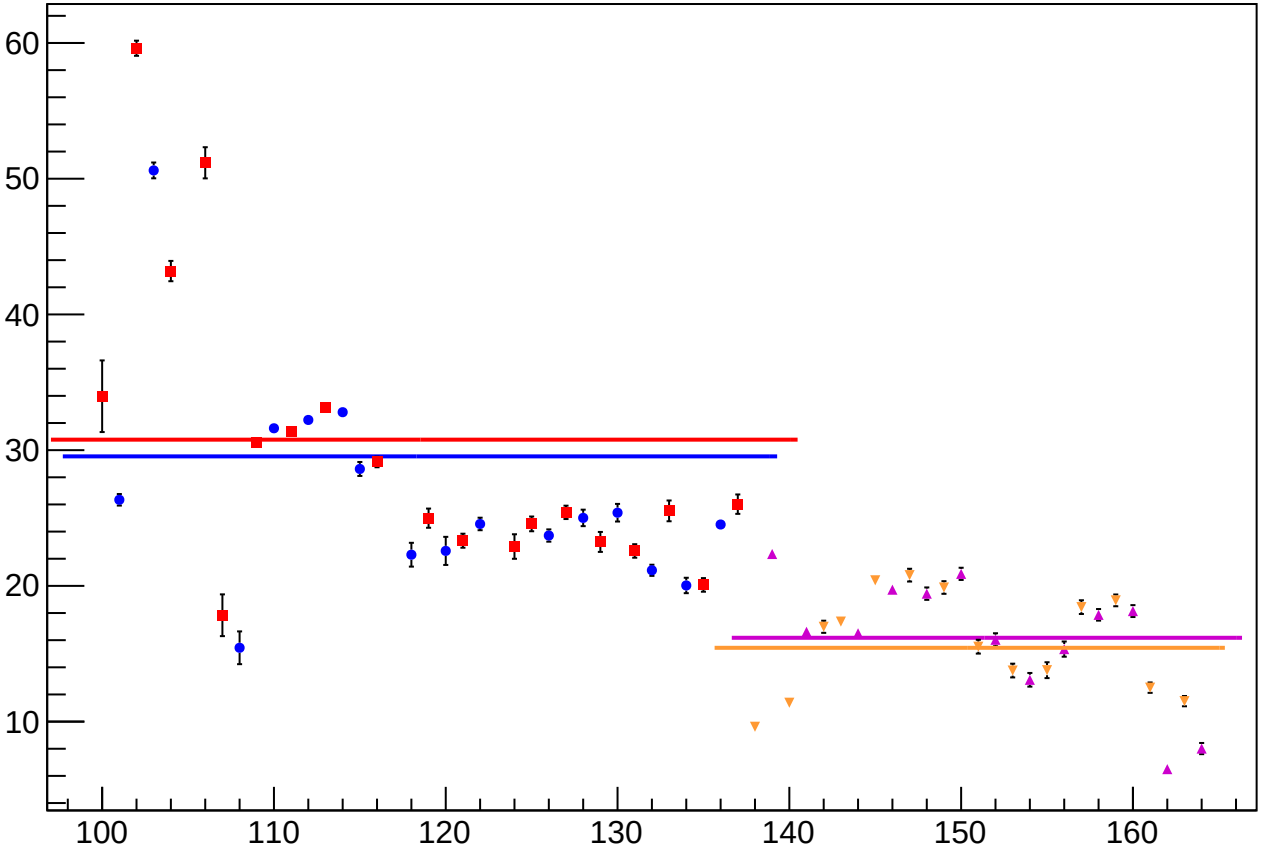
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.145+/-0.008 χ^2/NDF:1720.8/28

Out: -0.126+/-0.008 χ^2/NDF:1463.1/32

All: -0.135+/-0.006 χ^2/NDF: 3186.8/61

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.437+/-0.105 χ^2/NDF:1406.5/13

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 16.176+/-0.108 χ^2/NDF:1825.3/12

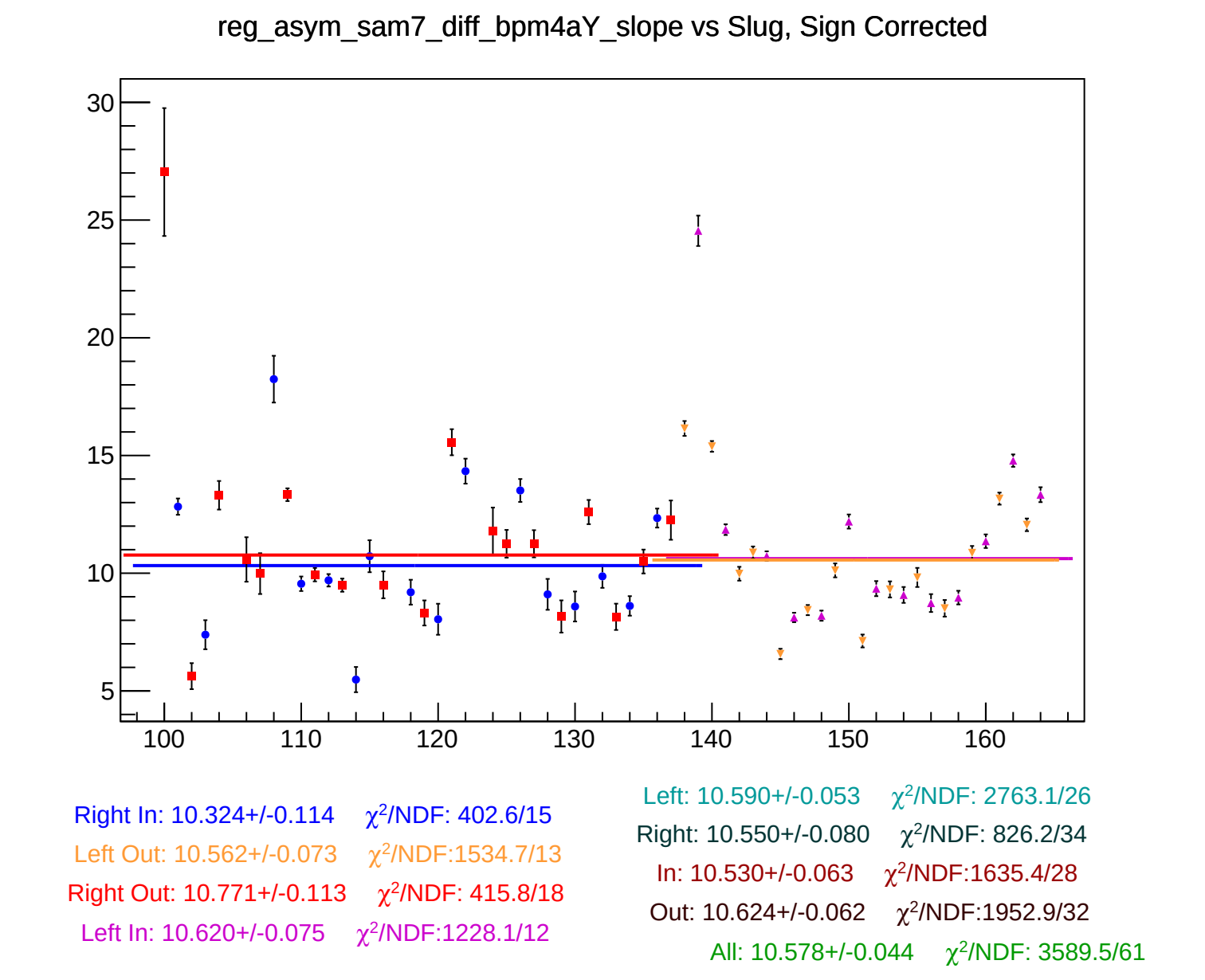
Left: 15.795+/-0.075 χ^2/NDF: 3255.9/26

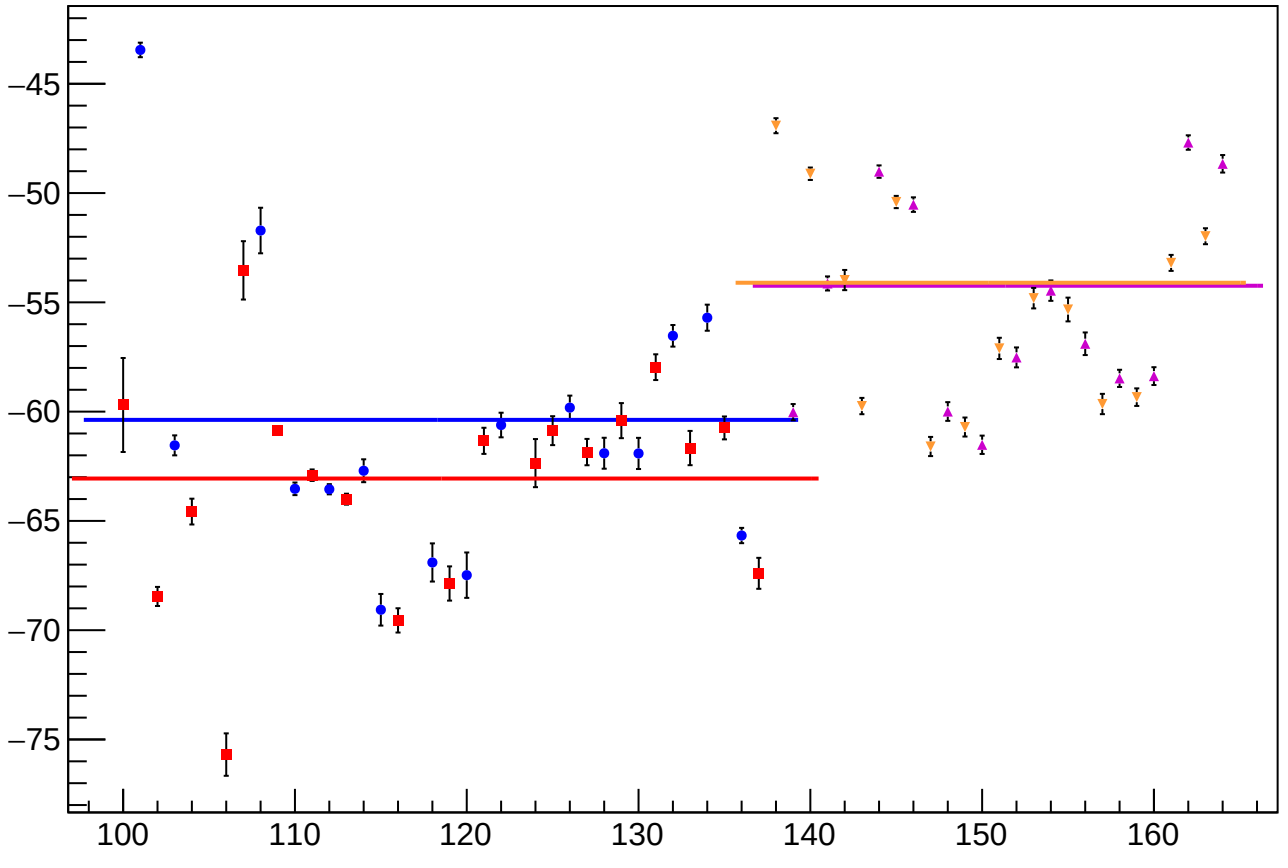
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 23.927+/-0.070 χ^2/NDF:14073.4/28

Out: 25.107+/-0.064 χ^2/NDF:20013.1/32

All: 24.573+/-0.047 χ^2/NDF: 34242.2/61


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 10.324+/-0.114 χ²/NDF: 402.6/15
Left Out: 10.562+/-0.073 χ²/NDF:1534.7/13
Right Out: 10.771+/-0.113 χ²/NDF: 415.8/18
Left In: 10.620+/-0.075 χ²/NDF:1228.1/12
Left: 10.590+/-0.053 χ²/NDF: 2763.1/26
Right: 10.550+/-0.080 χ²/NDF: 826.2/34
In: 10.530+/-0.063 χ²/NDF:1635.4/28
Out: 10.624+/-0.062 χ²/NDF:1952.9/32
All: 10.578+/-0.044 χ²/NDF: 3589.5/61



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -54.103+/-0.103 χ^2/NDF:2065.9/13

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -54.241+/-0.105 χ^2/NDF:2066.8/12

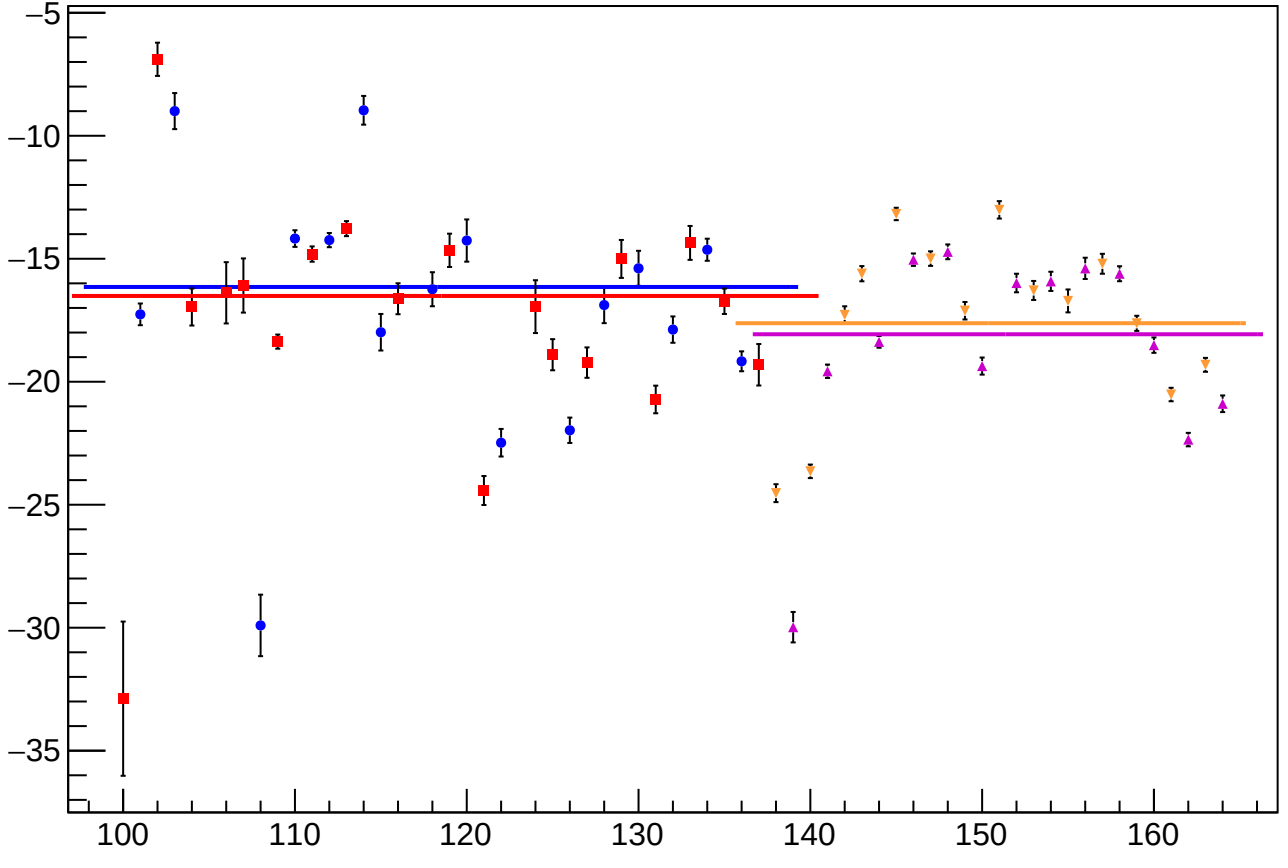
Left: -54.170+/-0.074 χ^2/NDF: 4133.5/26

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -57.090+/-0.077 χ^2/NDF:7244.0/28

Out: -58.411+/-0.074 χ^2/NDF:6531.4/32

All: -57.774+/-0.053 χ^2/NDF: 13927.6/61



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.620+/-0.086 χ^2/NDF:1640.3/13

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -18.070+/-0.088 χ^2/NDF:1163.8/12

Left: -17.840+/-0.061 χ^2/NDF: 2817.6/26

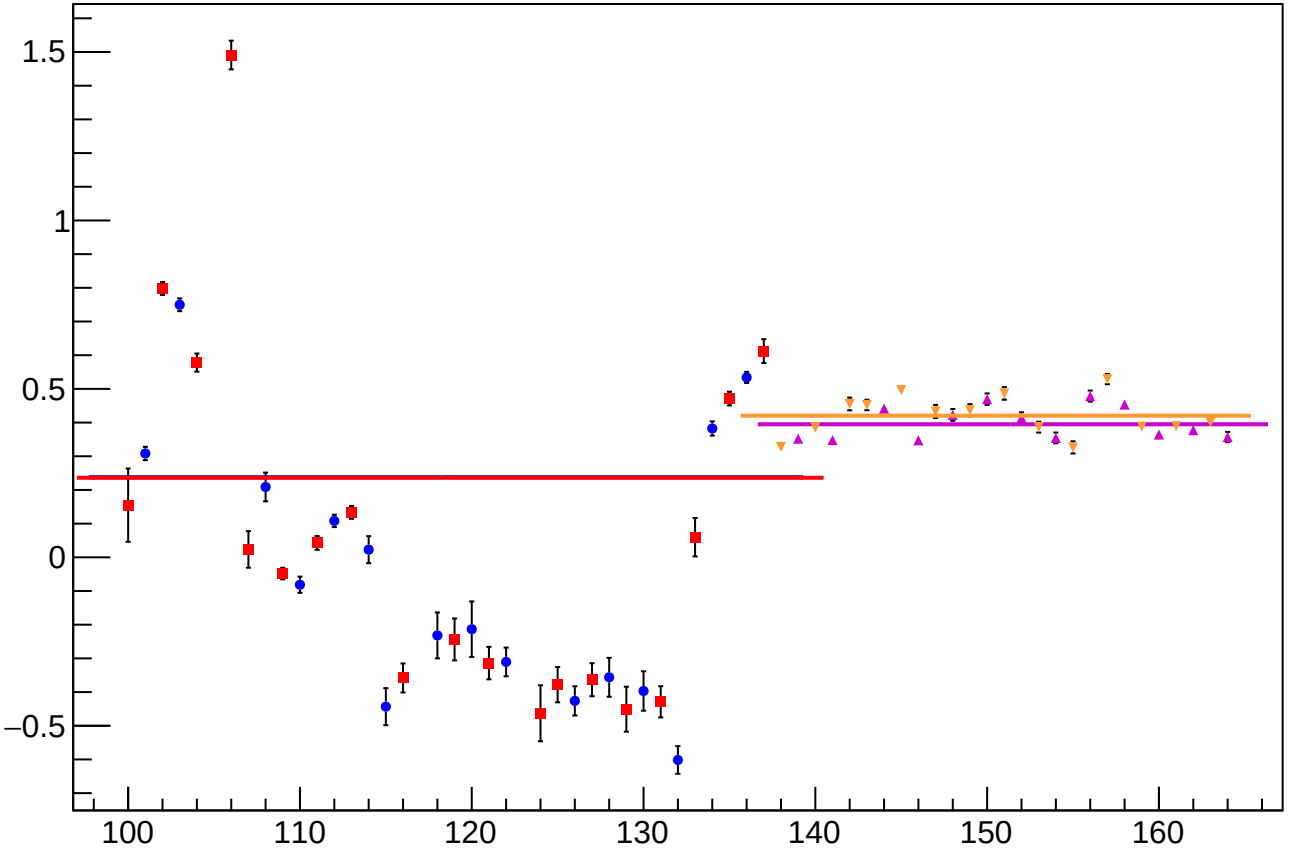
Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -17.452+/-0.072 χ^2/NDF:2116.0/28

Out: -17.264+/-0.071 χ^2/NDF:2378.6/32

All: -17.356+/-0.050 χ^2/NDF: 4498.1/61

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.420+/-0.004 χ^2/NDF:215.8/13

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.395+/-0.004 χ^2/NDF:133.6/12

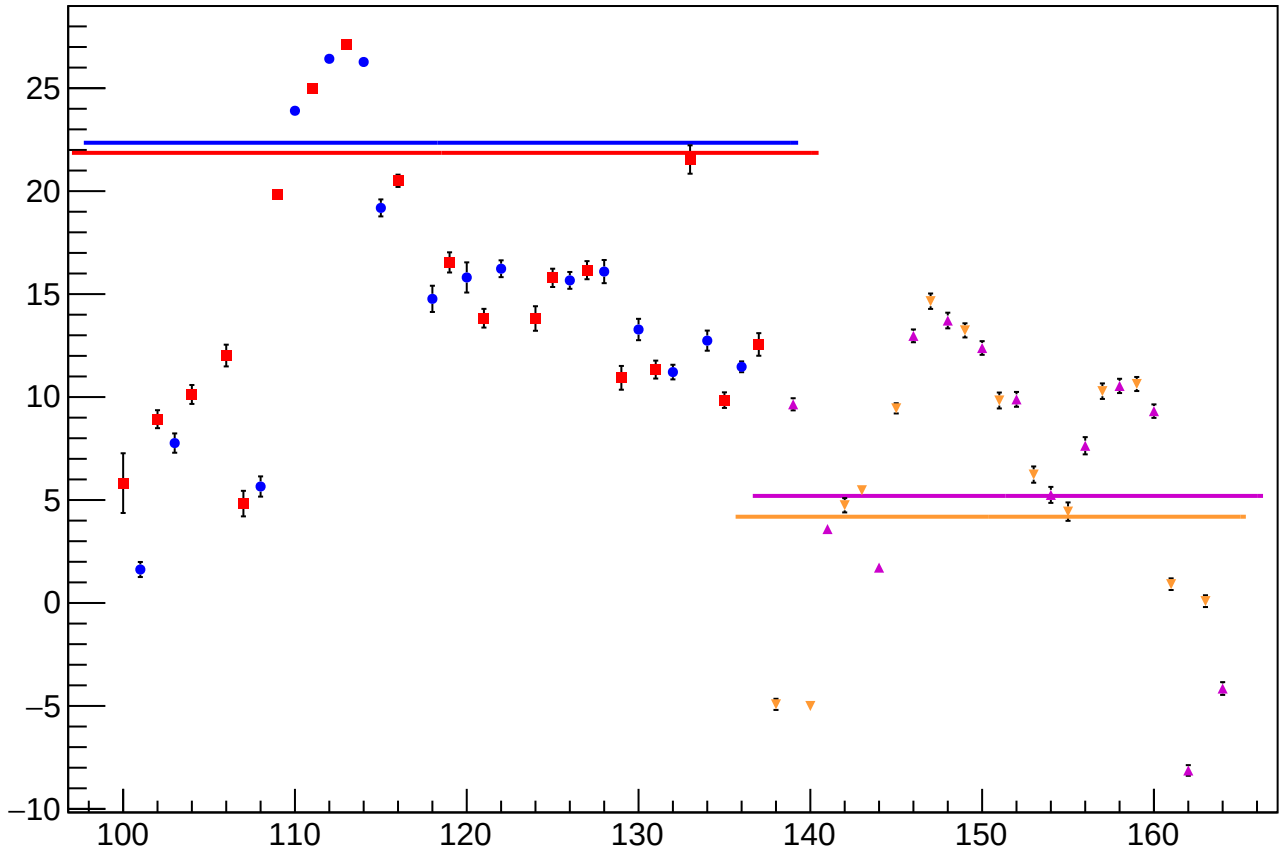
Left: 0.408+/-0.003 χ^2/NDF: 369.7/26

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.356+/-0.003 χ^2/NDF:3140.6/28

Out: 0.376+/-0.003 χ^2/NDF:4324.0/32

All: 0.366+/-0.002 χ^2/NDF: 7480.8/61



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 4.189+/-0.081 χ^2/NDF:6132.2/13

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 5.200+/-0.086 χ^2/NDF:6252.8/12

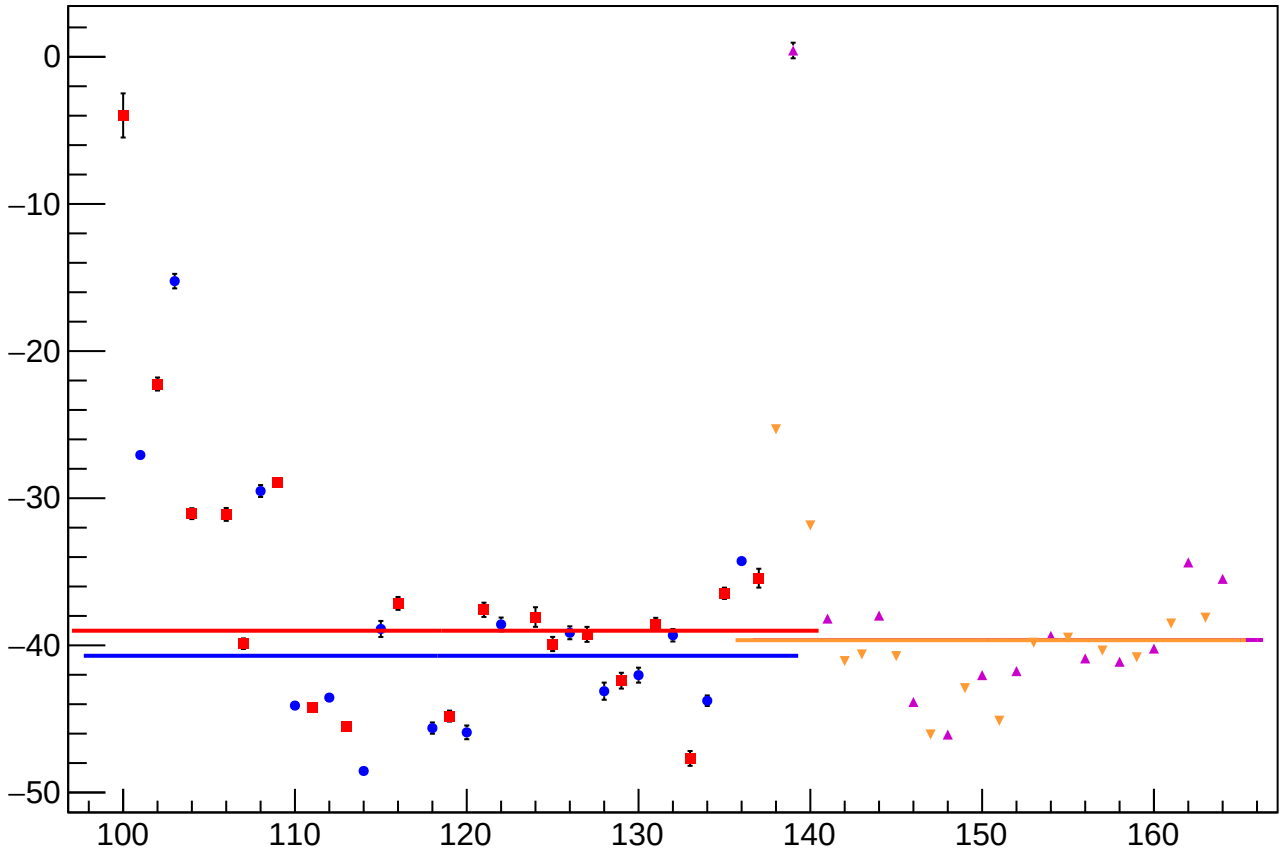
Left: 4.666+/-0.059 χ^2/NDF: 12458.6/26

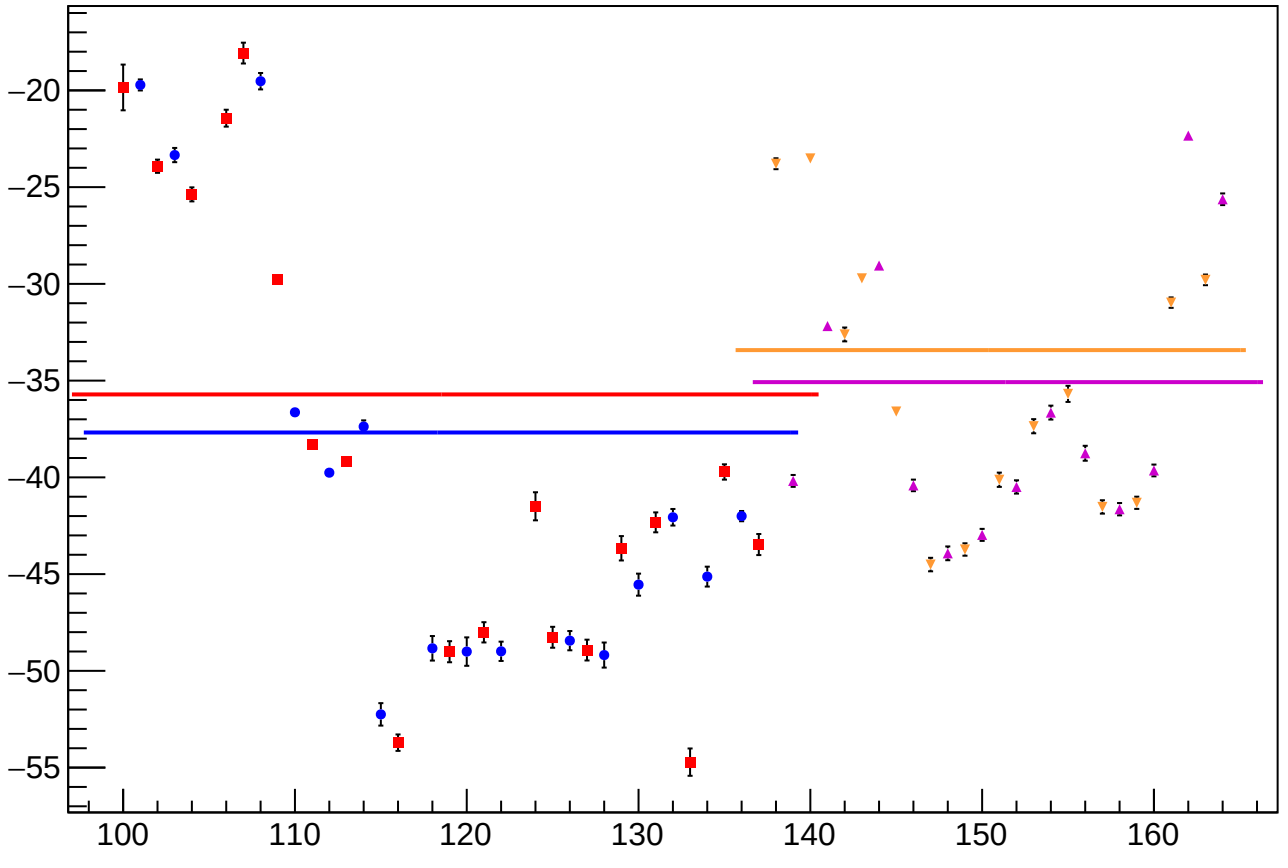
Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 17.139+/-0.047 χ^2/NDF:46532.5/28

Out: 17.506+/-0.040 χ^2/NDF:52727.7/32

All: 17.352+/-0.031 χ^2/NDF: 99295.2/61


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
Right In: -40.709+/-0.076 χ²/NDF: 7780.4/15
Left Out: -39.649+/-0.057 χ²/NDF:7439.7/13
Right Out: -39.005+/-0.071 χ²/NDF: 10101.3/18
Left In: -39.635+/-0.060 χ²/NDF:8903.0/12
Left: -39.642+/-0.041 χ²/NDF: 16342.7/26
Right: -39.794+/-0.052 χ²/NDF: 18148.1/34
In: -40.045+/-0.047 χ²/NDF:16805.2/28
Out: -39.399+/-0.044 χ²/NDF:17591.2/32
All: -39.701+/-0.032 χ²/NDF: 34496.1/61



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -33.423+/-0.080 χ^2/NDF:7528.9/13

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -35.078+/-0.083 χ^2/NDF:7234.0/12

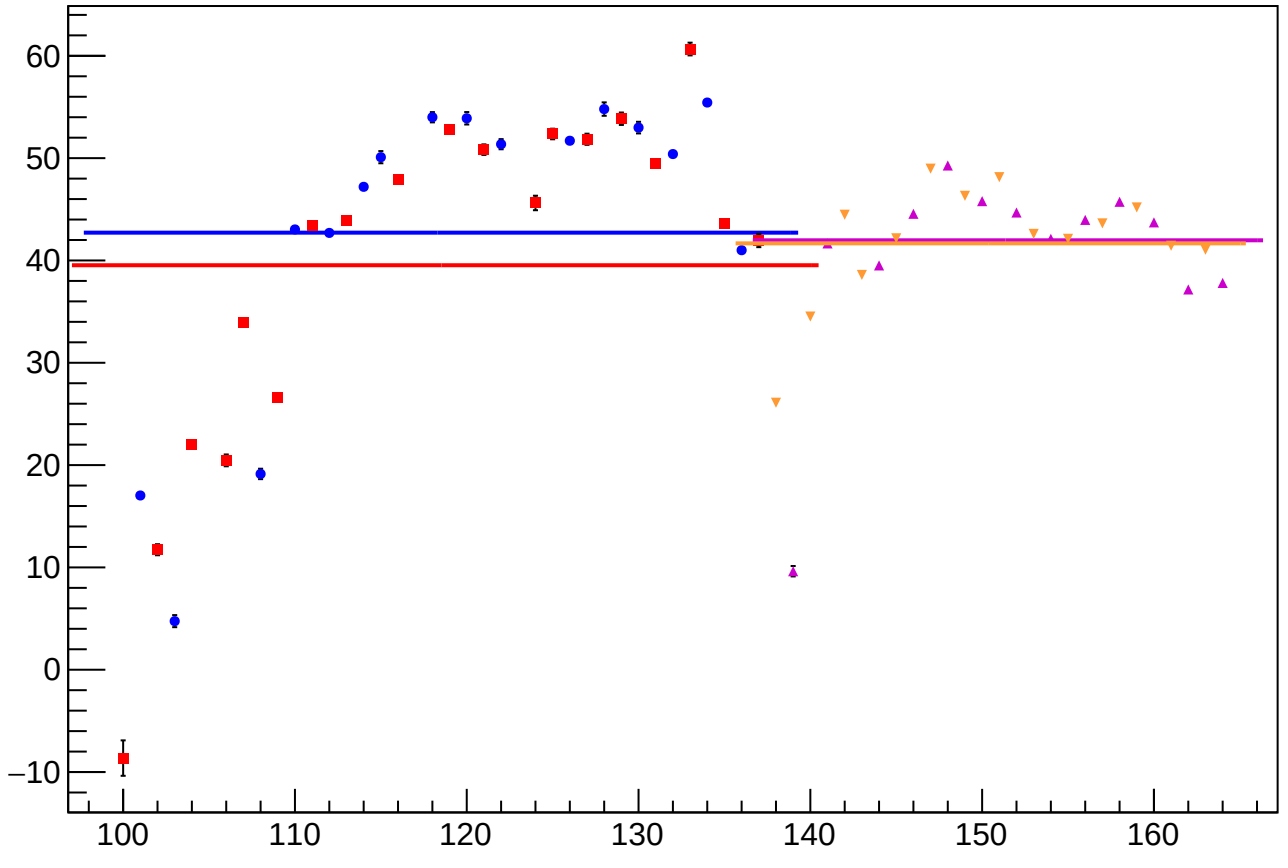
Left: -34.214+/-0.058 χ^2/NDF: 14969.2/26

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -36.536+/-0.055 χ^2/NDF:18636.0/28

Out: -34.810+/-0.050 χ^2/NDF:21303.8/32

All: -35.589+/-0.037 χ^2/NDF: 40476.5/61



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.672+/-0.066 χ^2/NDF:6263.0/13

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 41.971+/-0.069 χ^2/NDF:6610.5/12

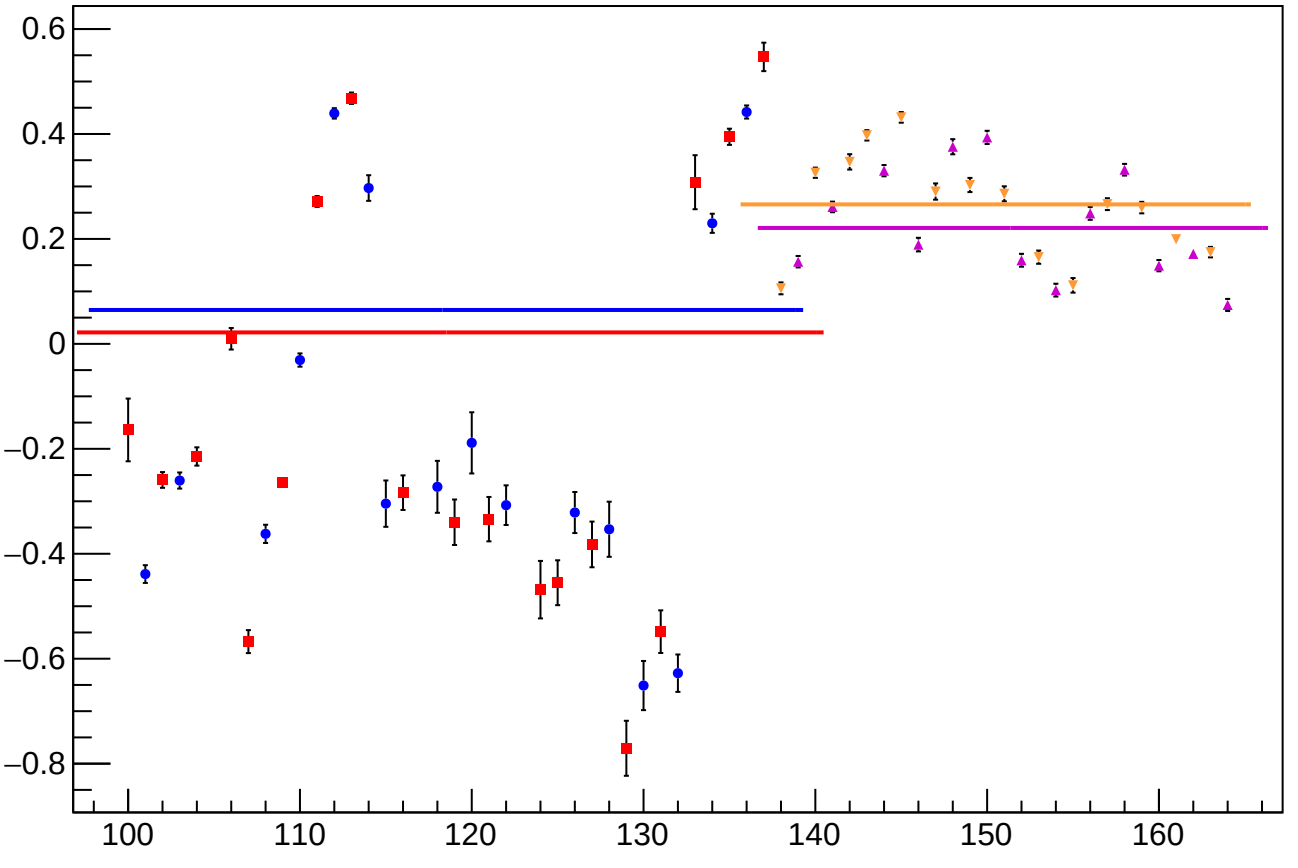
Left: 41.814+/-0.048 χ^2/NDF: 12883.2/26

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.269+/-0.054 χ^2/NDF:21421.8/28

Out: 40.781+/-0.050 χ^2/NDF:24678.1/32

All: 41.478+/-0.037 χ^2/NDF: 46507.1/61



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.266+/-0.003 χ^2/NDF:1042.2/13

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.221+/-0.003 χ^2/NDF:923.1/12

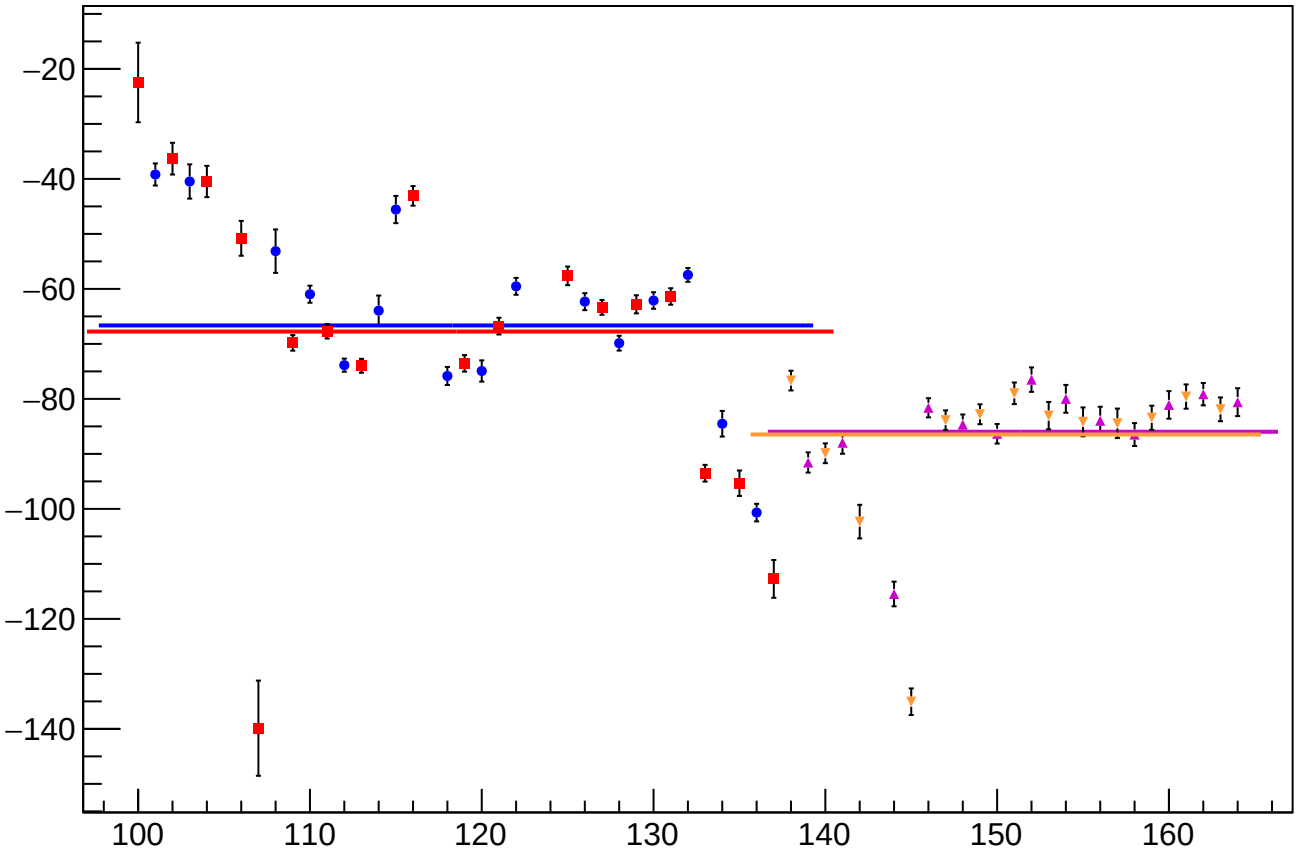
Left: 0.244+/-0.002 χ^2/NDF: 2069.2/26

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.174+/-0.003 χ^2/NDF:7151.2/28

Out: 0.186+/-0.003 χ^2/NDF:9524.0/32

All: 0.180+/-0.002 χ^2/NDF: 16685.0/61



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -86.470+/-0.592 χ^2/NDF:506.6/12

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -85.974+/-0.580 χ^2/NDF:233.9/12

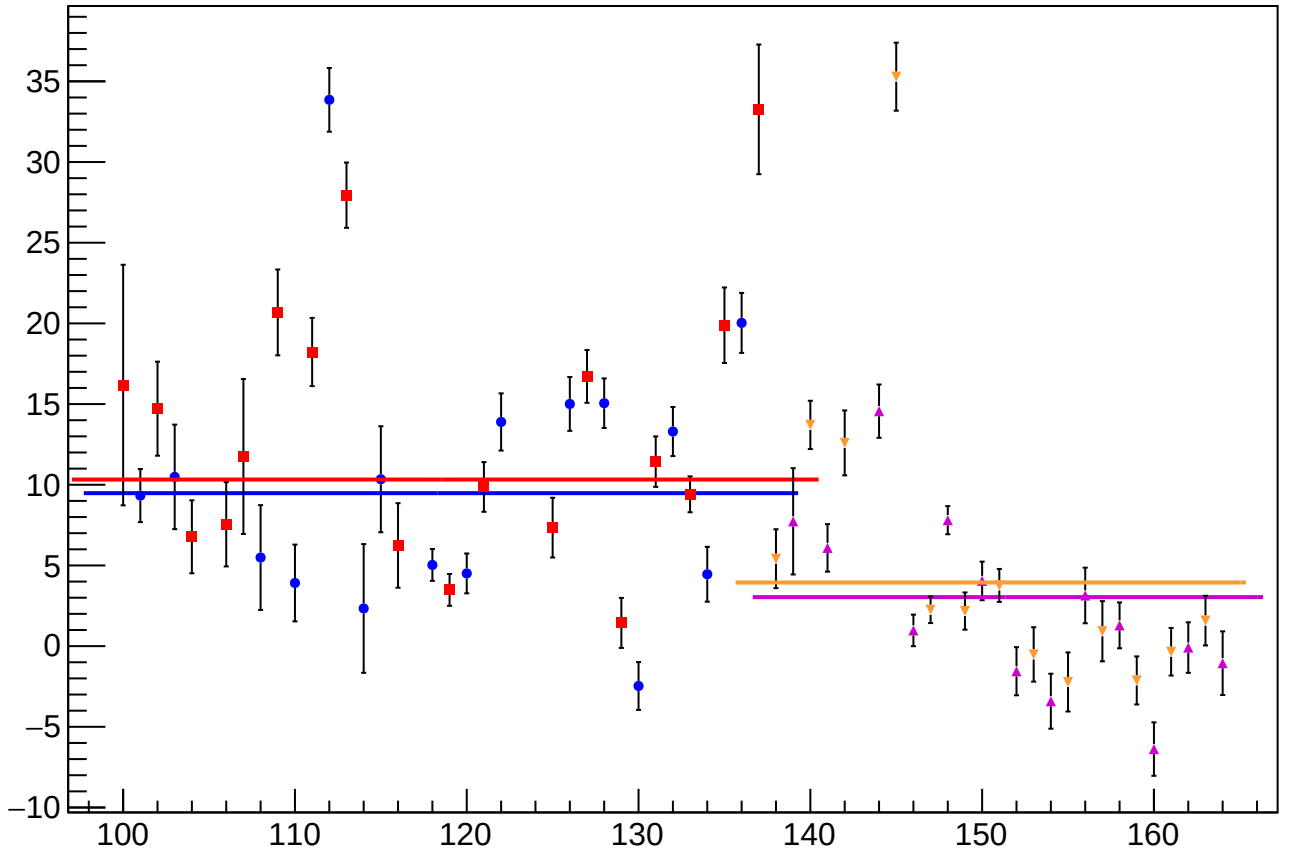
Left: -86.217+/-0.414 χ^2/NDF: 740.9/25

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

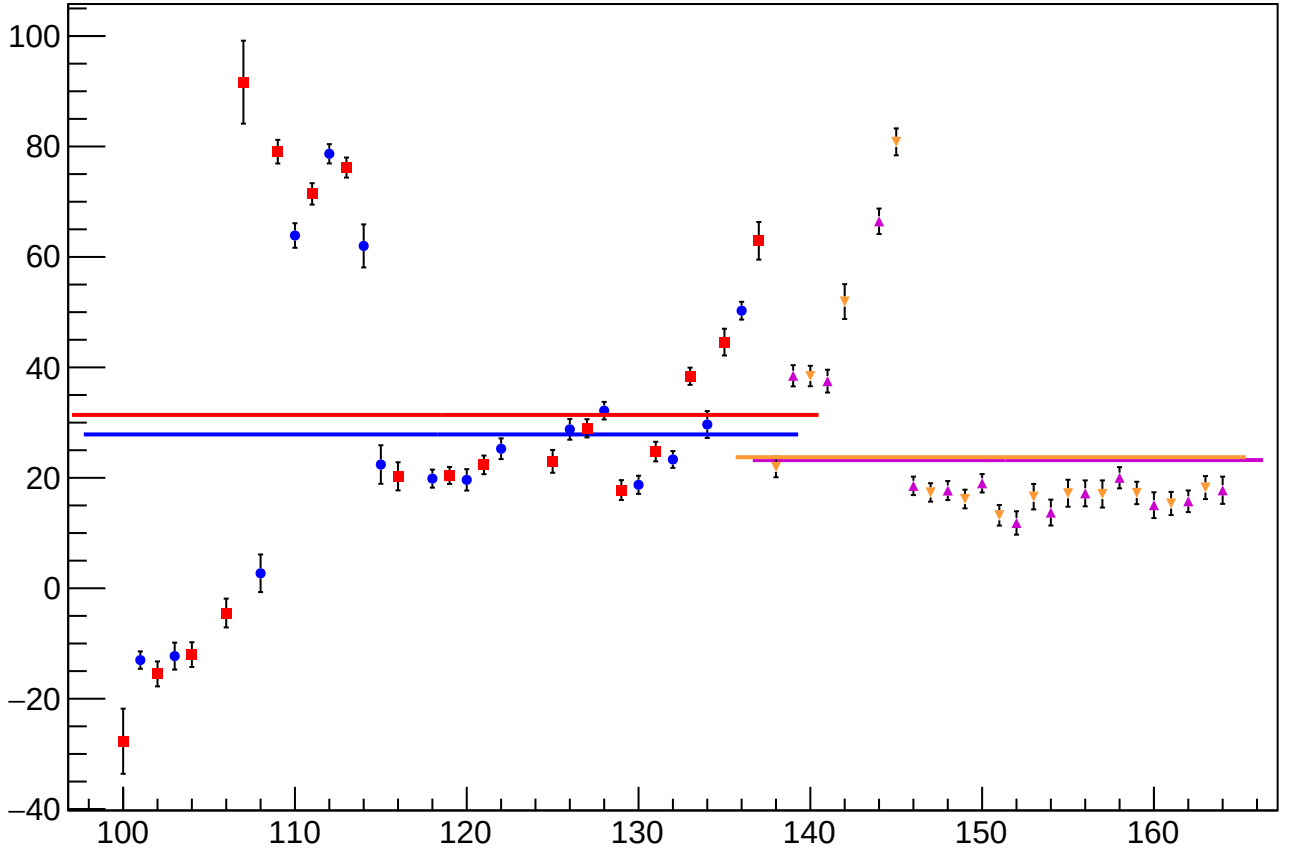
In: -73.430+/-0.343 χ^2/NDF:2008.2/28

Out: -74.004+/-0.342 χ^2/NDF:2426.6/30

All: -73.717+/-0.242 χ^2/NDF: 4436.2/59


reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
Right In: 9.480+/-0.428 χ²/NDF: 341.9/15
Left Out: 3.945+/-0.387 χ²/NDF:337.8/12
Right Out: 10.324+/-0.436 χ²/NDF: 263.4/17
Left In: 3.038+/-0.388 χ²/NDF:156.1/12
Left: 3.493+/-0.274 χ²/NDF: 496.6/25
Right: 9.895+/-0.305 χ²/NDF: 607.3/33
In: 5.944+/-0.288 χ²/NDF:622.3/28
Out: 6.758+/-0.289 χ²/NDF:721.1/30
All: 6.349+/-0.204 χ²/NDF: 1347.4/59

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 23.737+/-0.571 χ^2/NDF:815.3/12

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 23.216+/-0.558 χ^2/NDF:572.8/12

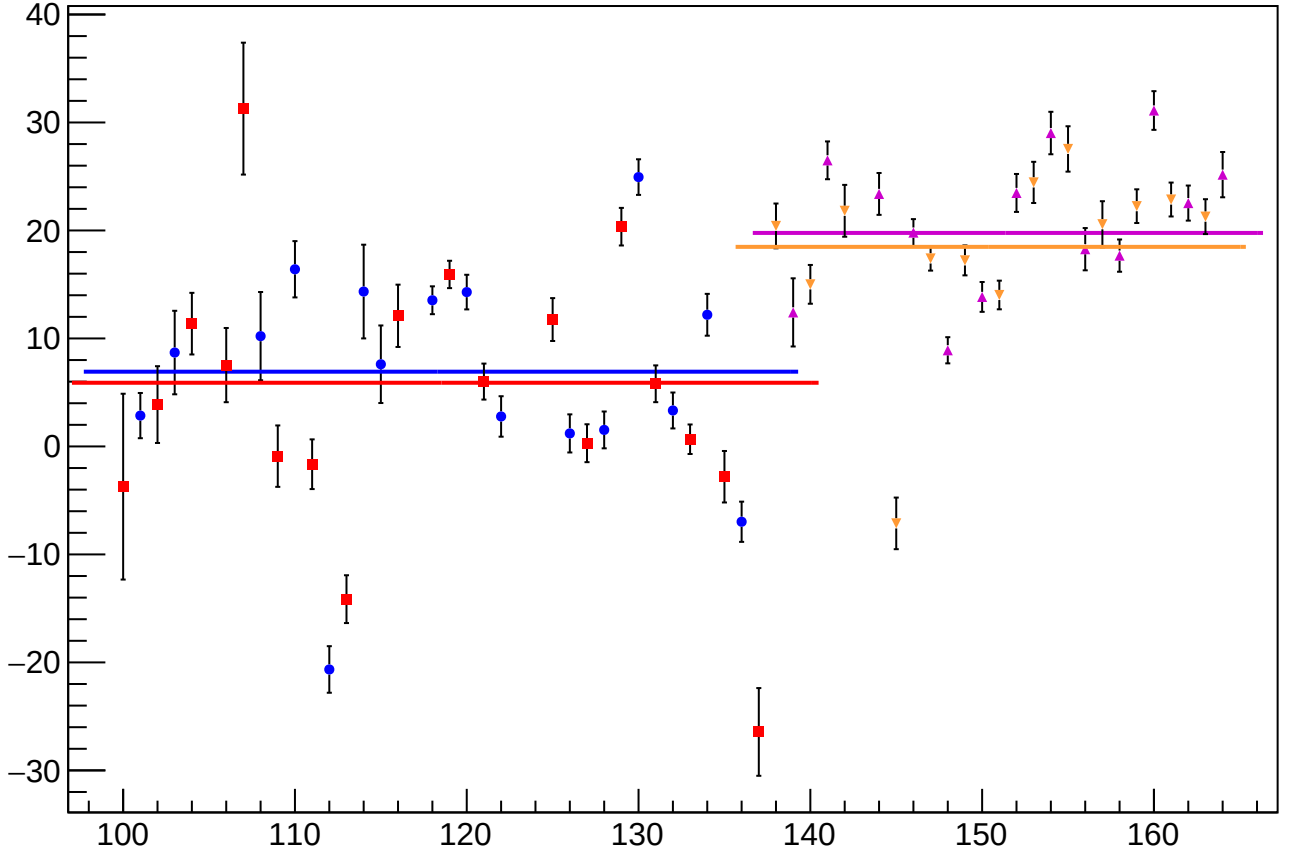
Left: 23.470+/-0.399 χ^2/NDF: 1388.5/25

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 25.872+/-0.365 χ^2/NDF:3086.4/28

Out: 28.168+/-0.371 χ^2/NDF:3930.6/30

All: 27.002+/-0.260 χ^2/NDF: 7036.4/59



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.481+/-0.462 χ^2/NDF:180.4/12

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 19.772+/-0.459 χ^2/NDF:201.2/12

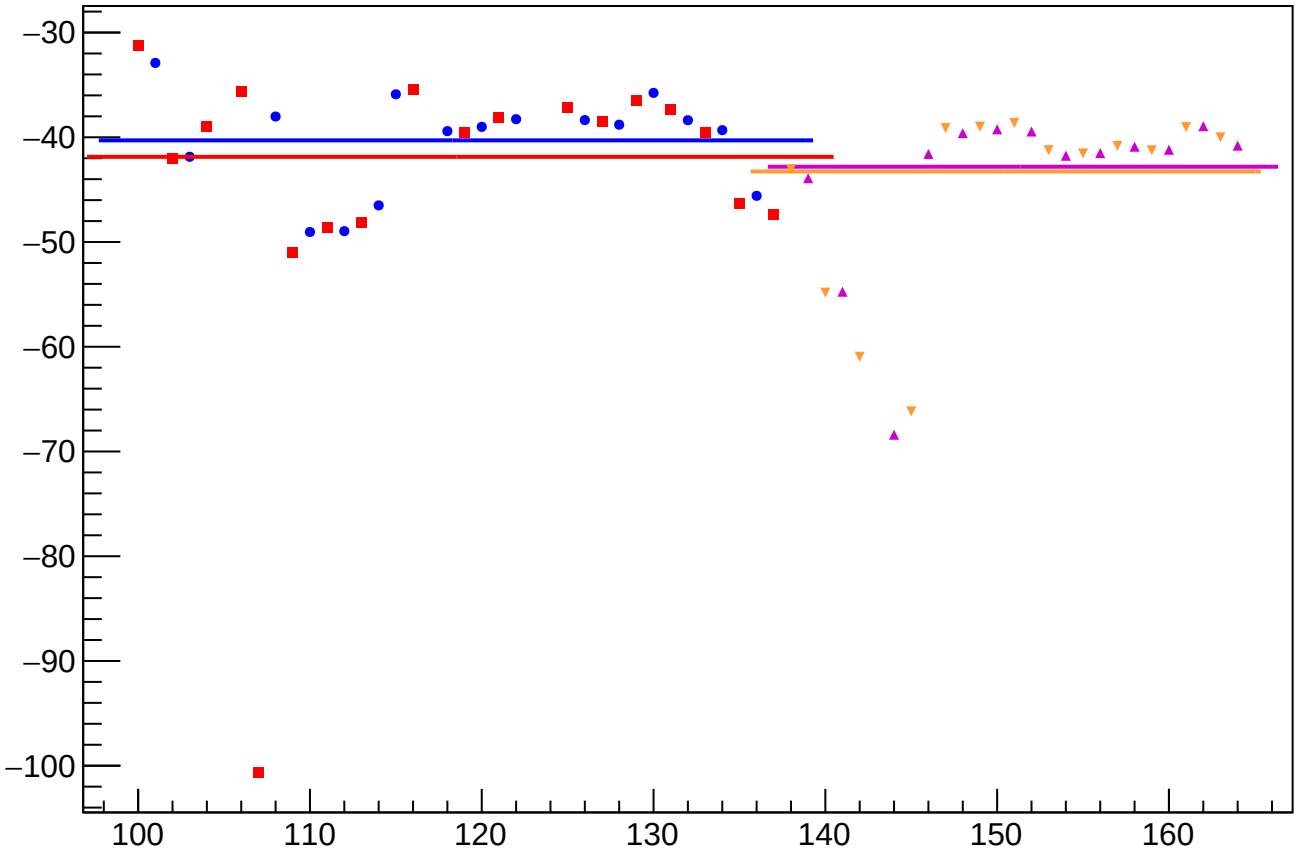
Left: 19.131+/-0.326 χ^2/NDF: 385.4/25

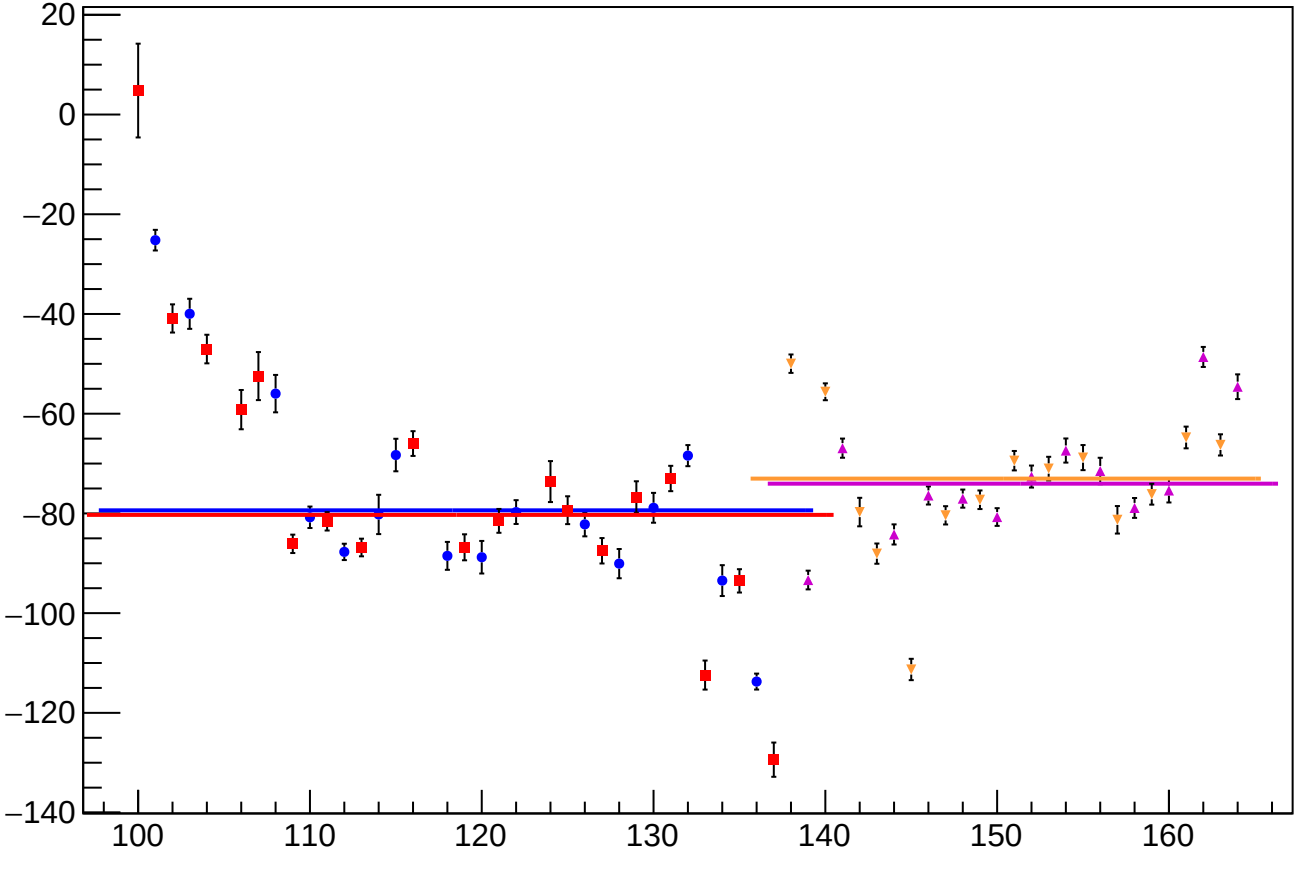
Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 13.841+/-0.337 χ^2/NDF:1007.5/28

Out: 12.708+/-0.340 χ^2/NDF:888.5/30

All: 13.279+/-0.239 χ^2/NDF: 1901.6/59


reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
160
Right In: -40.293+/-0.031 χ²/NDF: 20663.5/15
Left Out: -43.266+/-0.022 χ²/NDF:113834.4/12
Right Out: -41.867+/-0.032 χ²/NDF: 58734.8/17
Left In: -42.809+/-0.021 χ²/NDF:93183.3/12
Left: -43.029+/-0.015 χ²/NDF: 207243.5/25
Right: -41.063+/-0.022 χ²/NDF: 80626.6/33
In: -42.027+/-0.018 χ²/NDF:118271.3/28
Out: -42.822+/-0.018 χ²/NDF:173865.8/30
All: -42.412+/-0.013 χ²/NDF: 293136.4/59



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -73.019+/-0.559 χ^2/NDF:706.1/13

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -74.035+/-0.570 χ^2/NDF:400.2/12

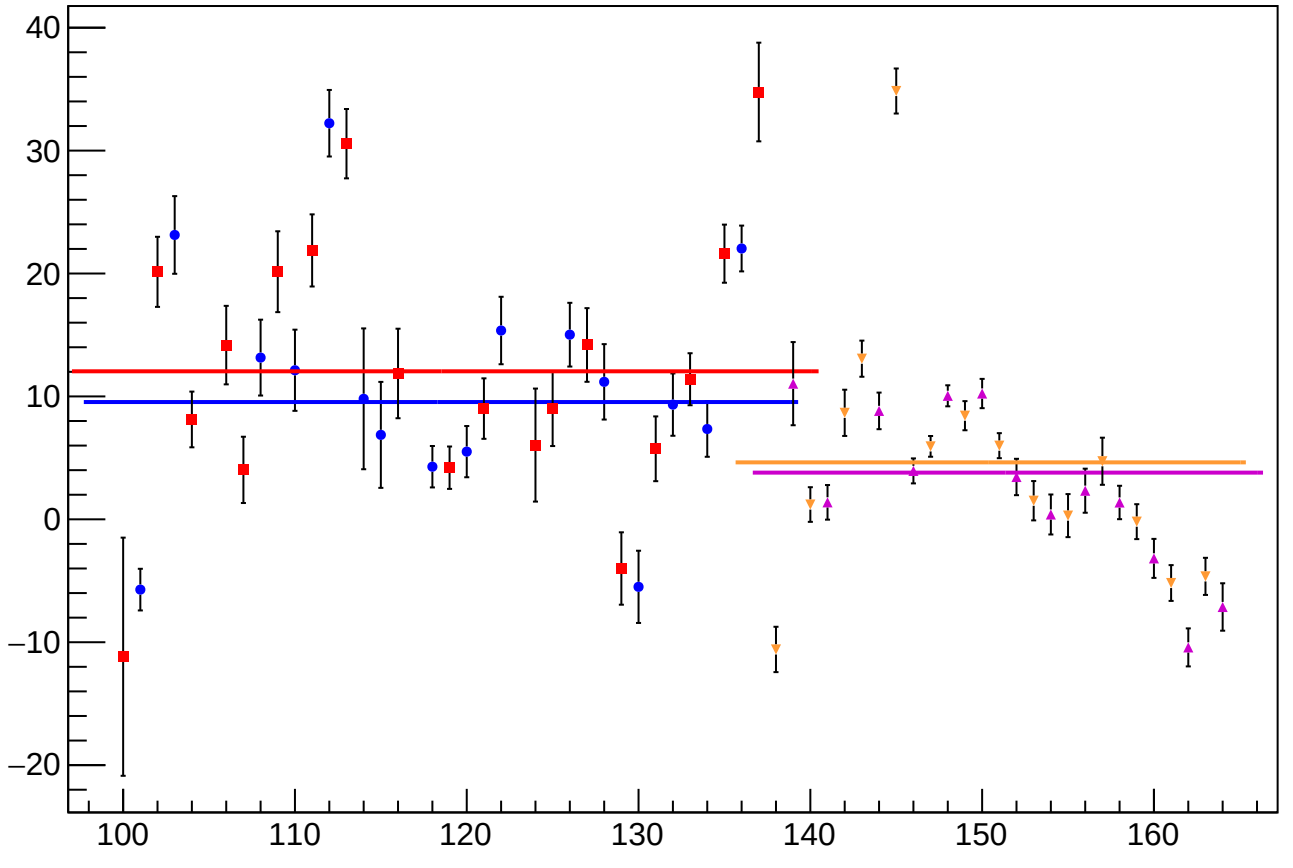
Left: -73.517+/-0.399 χ^2/NDF: 1107.9/26

Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

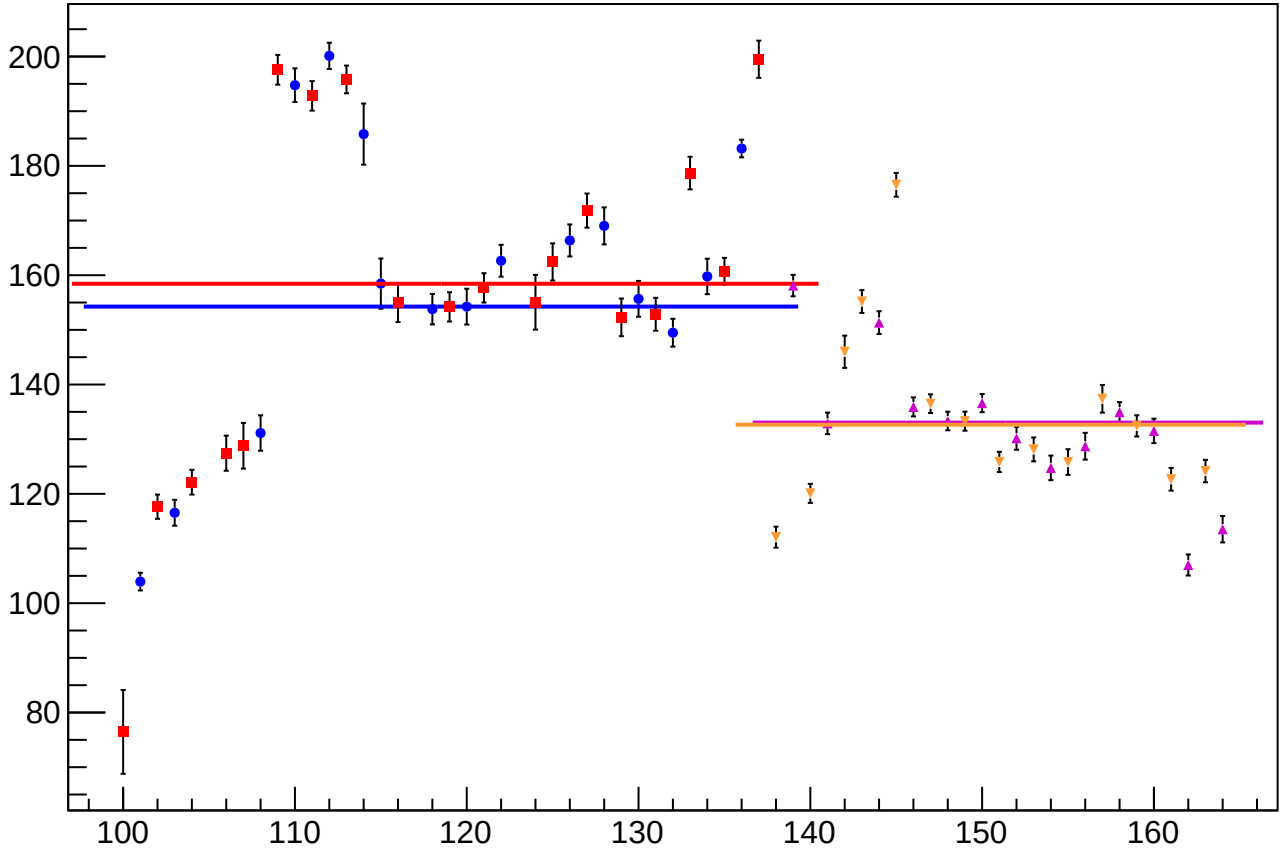
In: -76.524+/-0.417 χ^2/NDF:1917.0/28

Out: -76.374+/-0.410 χ^2/NDF:1698.9/32

All: -76.448+/-0.292 χ^2/NDF: 3615.9/61


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 4.634+/-0.370 χ²/NDF:502.6/13
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 3.800+/-0.382 χ²/NDF:245.7/12
Left: 4.231+/-0.266 χ²/NDF: 750.7/26
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 5.376+/-0.325 χ²/NDF:574.7/28
Out: 6.501+/-0.320 χ²/NDF:799.7/32
All: 5.949+/-0.228 χ²/NDF: 1380.5/61

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 132.644+/-0.542 χ^2/NDF:784.5/13

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 133.033+/-0.549 χ^2/NDF:515.8/12

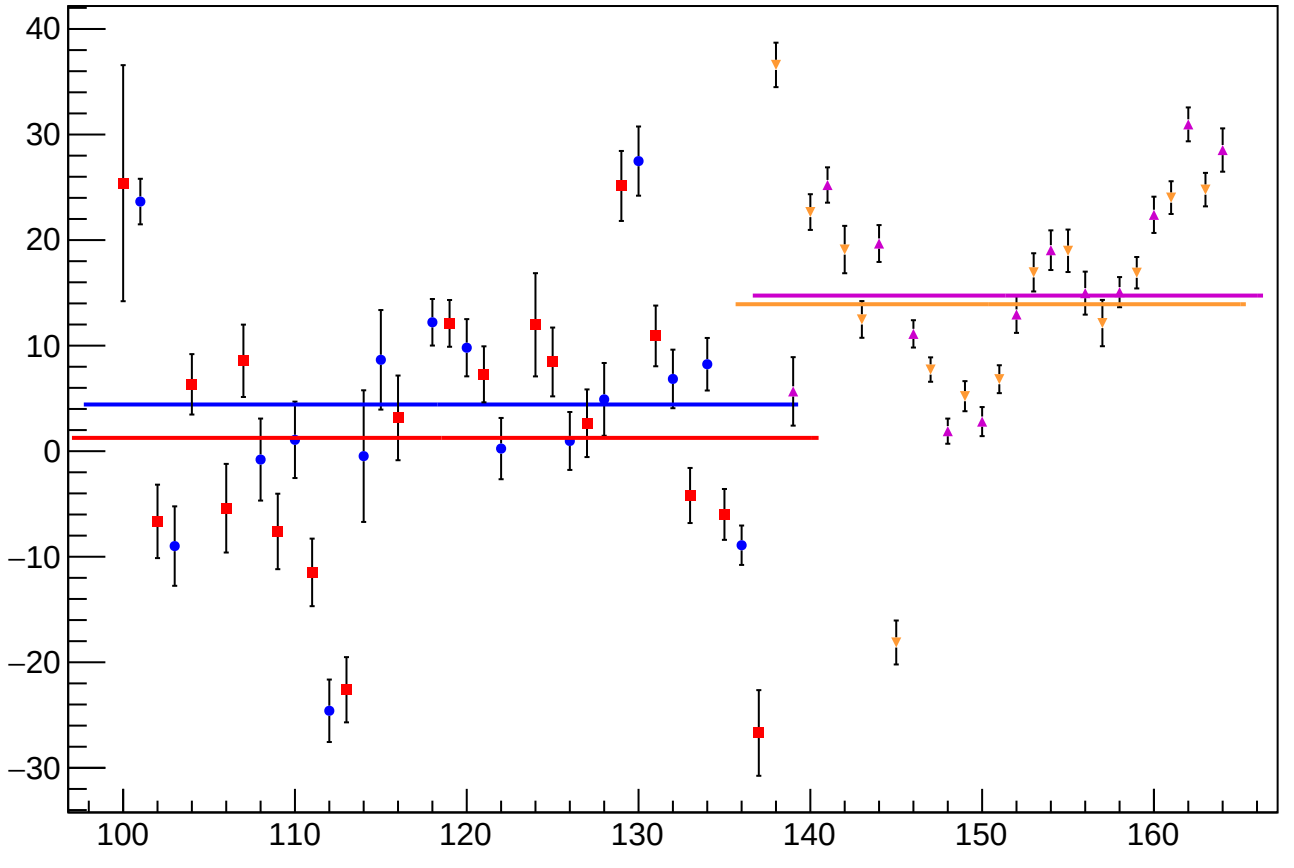
Left: 132.836+/-0.386 χ^2/NDF: 1300.6/26

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 141.690+/-0.423 χ^2/NDF:3338.9/28

Out: 142.623+/-0.425 χ^2/NDF:3323.9/32

All: 142.154+/-0.300 χ^2/NDF: 6665.2/61



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 13.923+/-0.440 χ^2/NDF:583.3/13

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 14.743+/-0.451 χ^2/NDF:427.5/12

Left: 14.323+/-0.315 χ^2/NDF: 1012.5/26

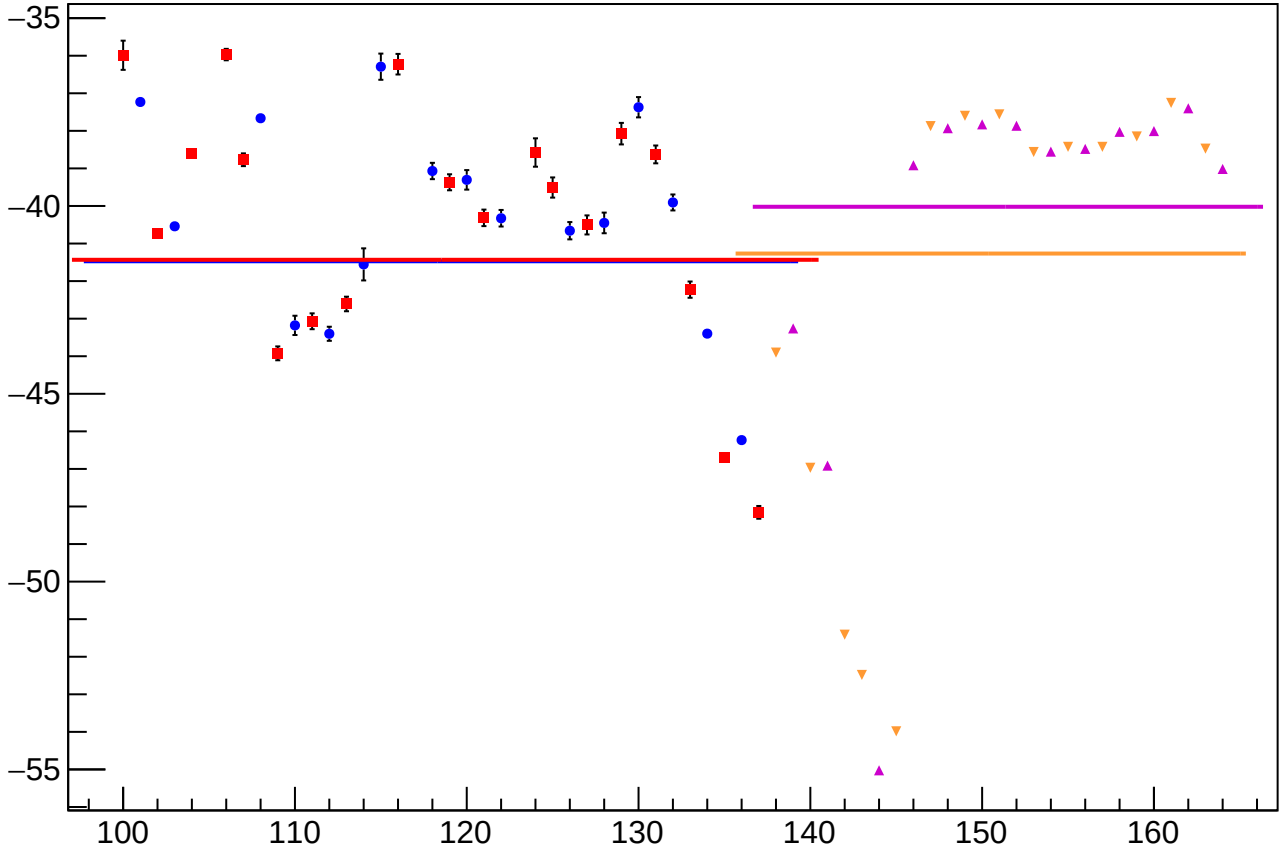
Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 11.799+/-0.381 χ^2/NDF:892.9/28

Out: 10.562+/-0.377 χ^2/NDF:1068.2/32

All: 11.173+/-0.268 χ^2/NDF: 1966.4/61

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -41.266+/-0.021 χ^2/NDF:69605.0/13

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -40.021+/-0.021 χ^2/NDF:42227.4/12

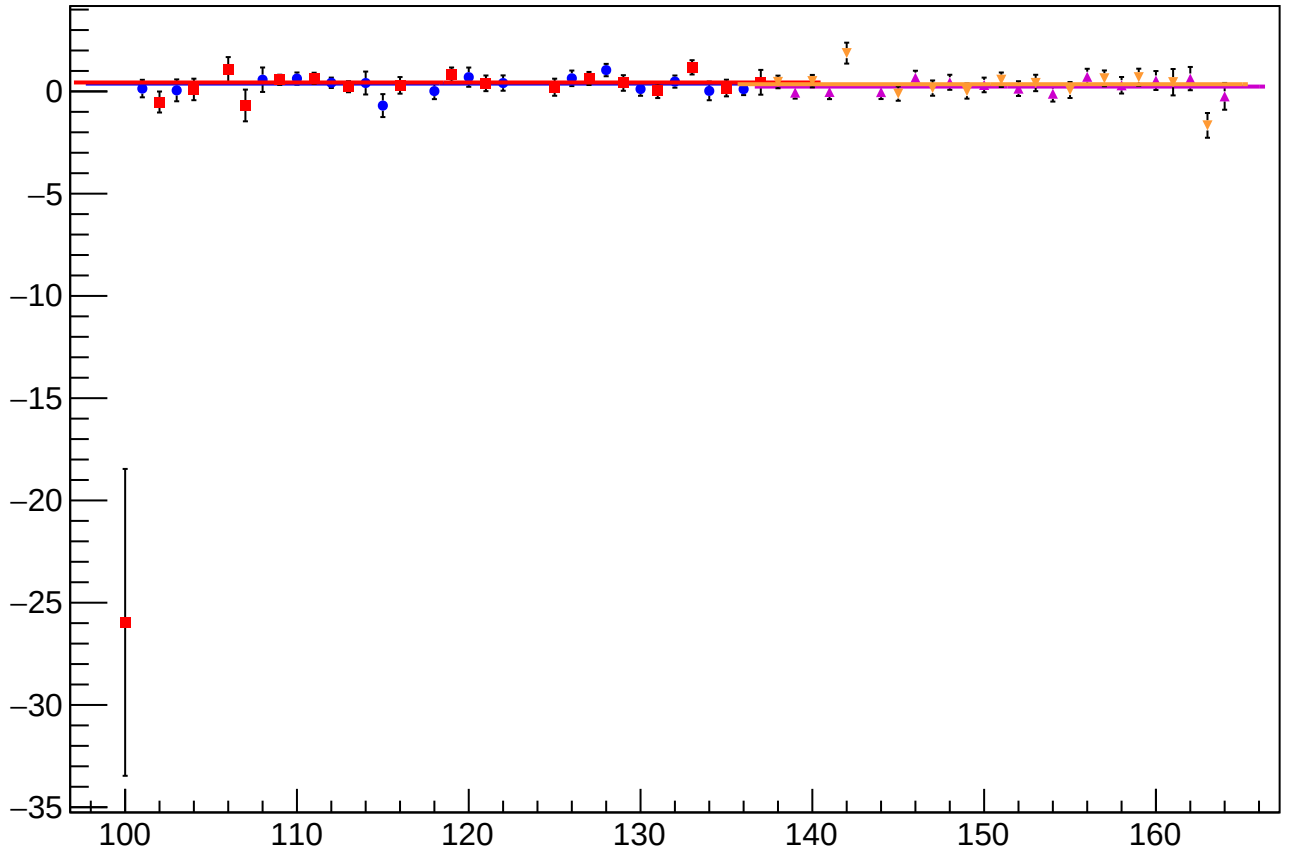
Left: -40.642+/-0.015 χ^2/NDF: 113619.3/26

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -40.354+/-0.018 χ^2/NDF:51255.9/28

Out: -41.303+/-0.018 χ^2/NDF:77844.3/32

All: -40.824+/-0.013 χ^2/NDF: 130435.7/61



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.352+/-0.108 χ^2/NDF:25.2/12

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.236+/-0.106 χ^2/NDF:8.0/12

Left: 0.293+/-0.076 χ^2/NDF: 33.8/25

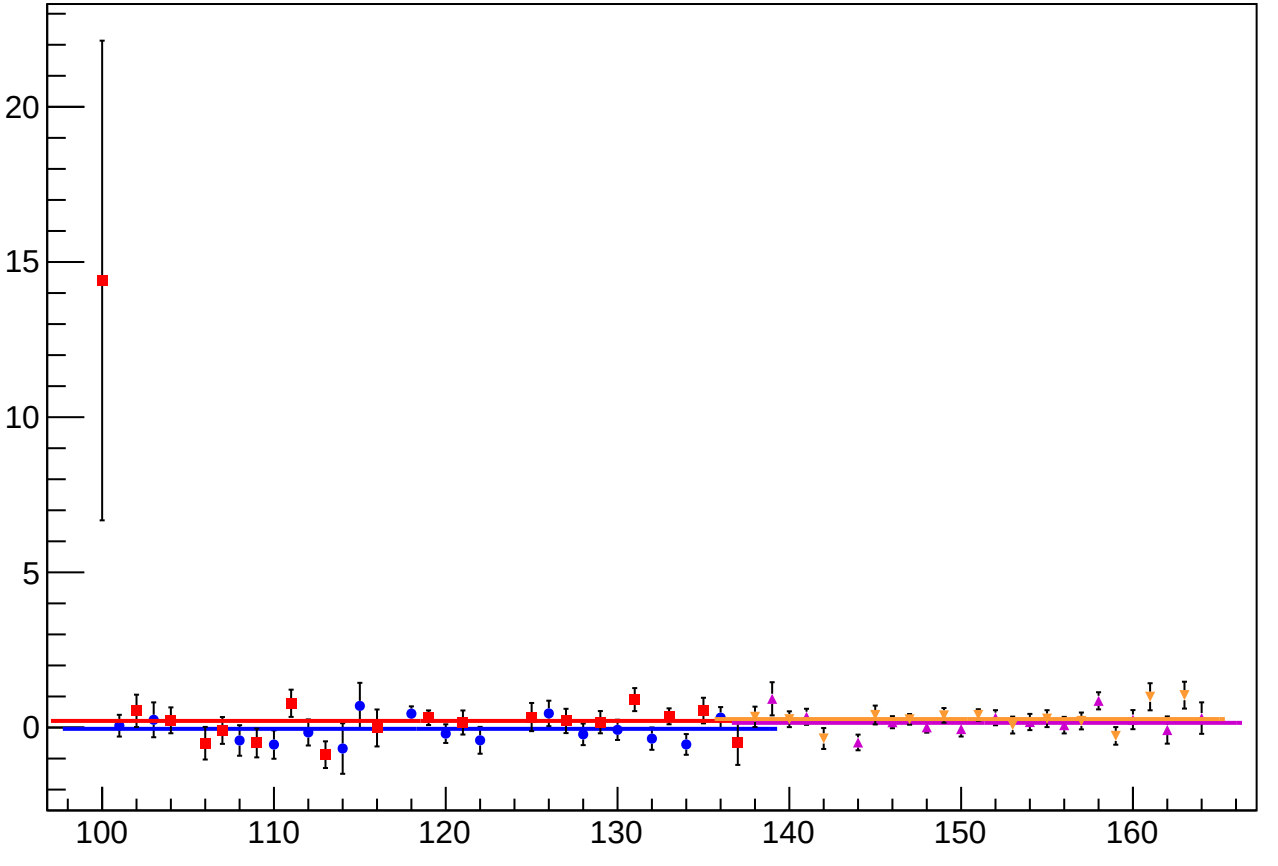
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.319+/-0.069 χ^2/NDF:23.1/28

Out: 0.401+/-0.069 χ^2/NDF:54.6/30

All: 0.361+/-0.049 χ^2/NDF: 78.3/59

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.273+/-0.073 χ^2/NDF:14.5/12

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.151+/-0.073 χ^2/NDF:17.9/12

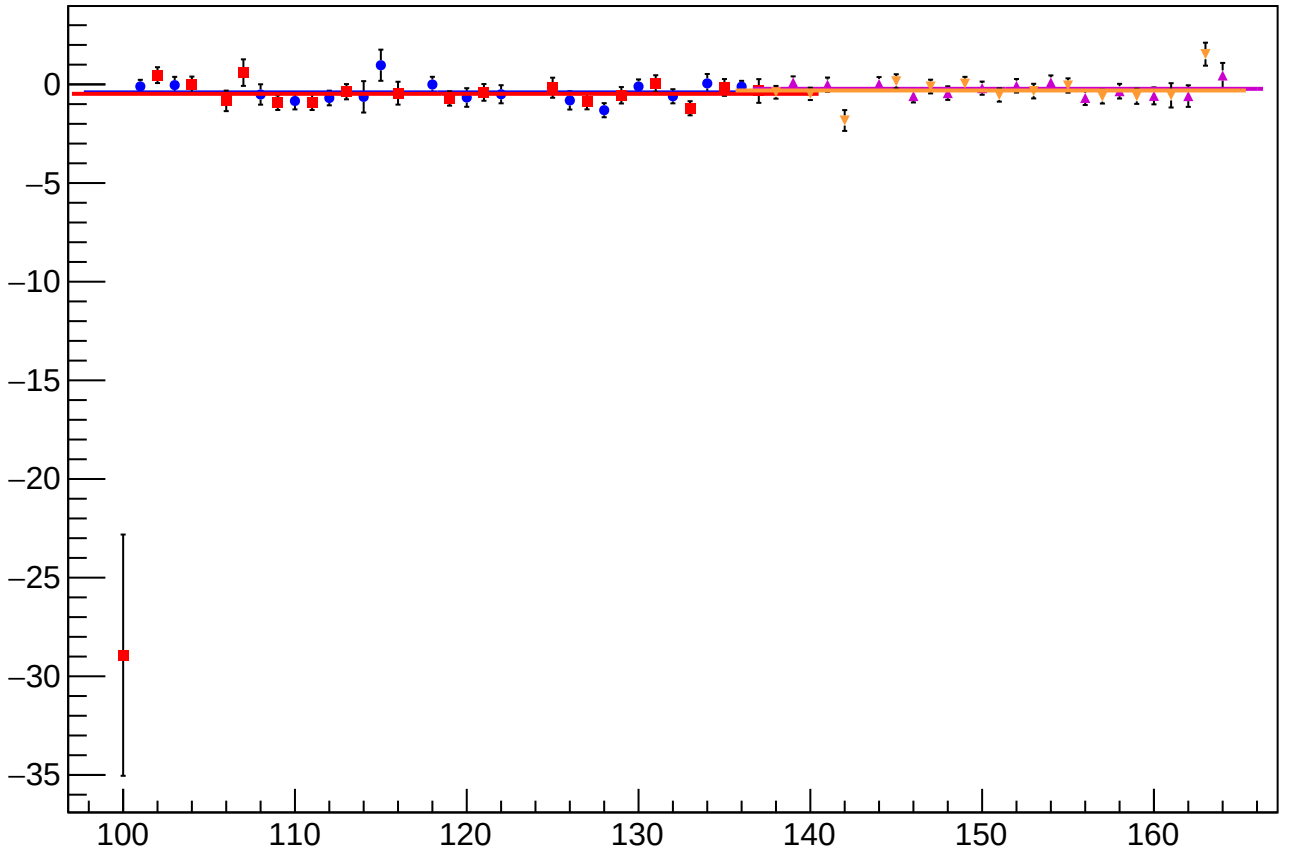
Left: 0.212+/-0.051 χ^2/NDF: 33.9/25

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.079+/-0.058 χ^2/NDF:35.6/28

Out: 0.251+/-0.058 χ^2/NDF:37.2/30

All: 0.164+/-0.041 χ^2/NDF: 77.2/59



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.309+/-0.104 χ^2/NDF:24.1/12

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.225+/-0.102 χ^2/NDF:8.6/12

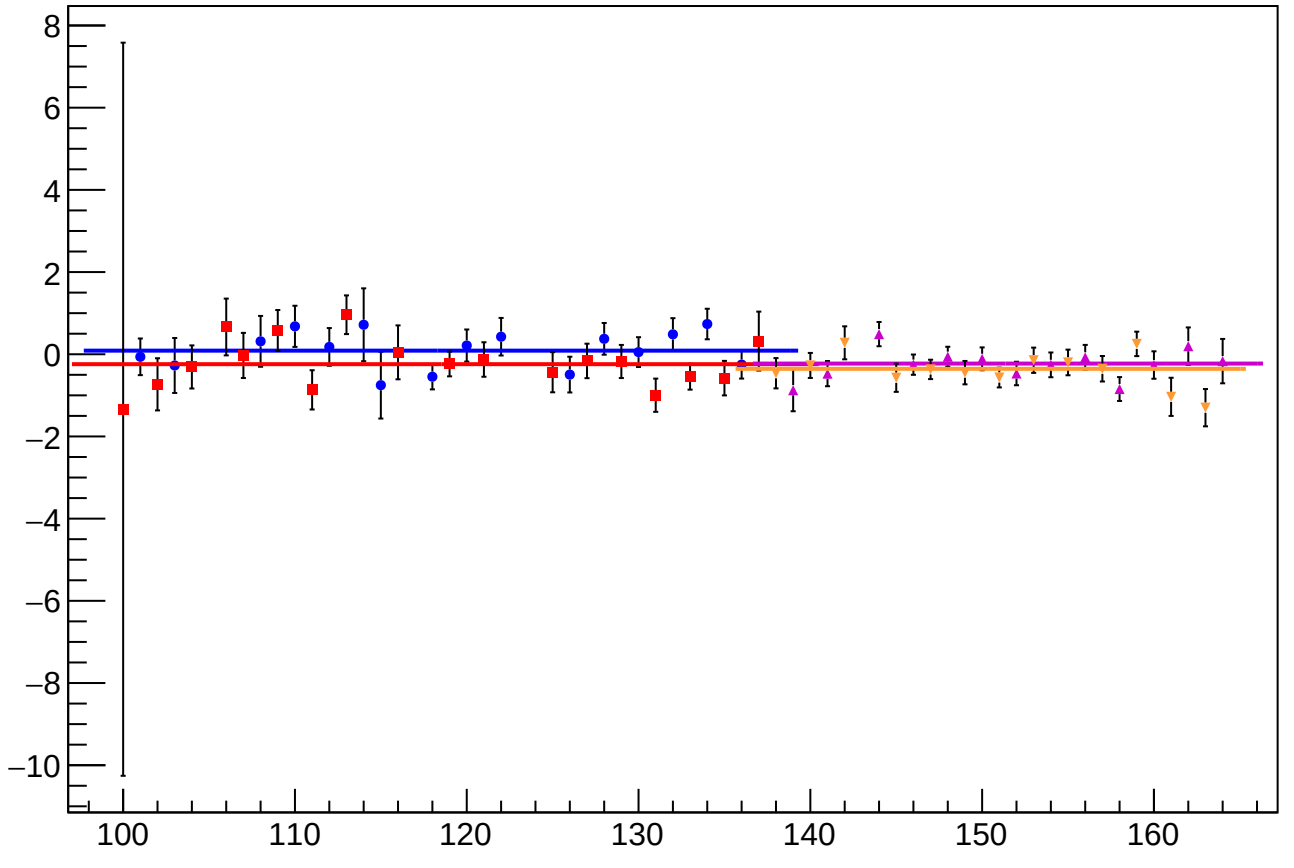
Left: -0.266+/-0.073 χ^2/NDF: 33.0/25

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.315+/-0.073 χ^2/NDF:27.9/28

Out: -0.393+/-0.074 χ^2/NDF:67.7/30

All: -0.353+/-0.052 χ^2/NDF: 96.2/59



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.354+/-0.087 χ^2/NDF:15.3/12

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.227+/-0.086 χ^2/NDF:15.2/12

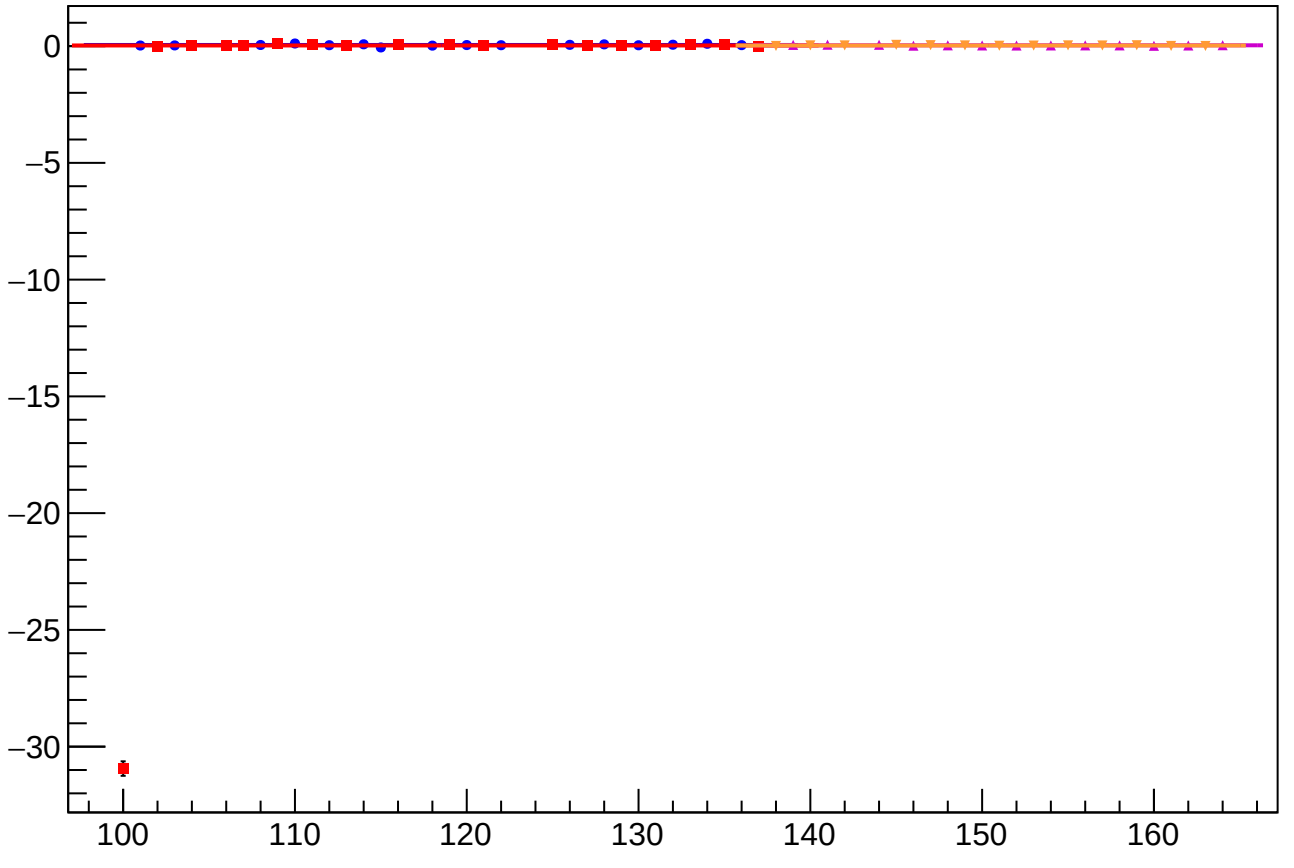
Left: -0.290+/-0.061 χ^2/NDF: 31.6/25

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.105+/-0.067 χ^2/NDF:36.3/28

Out: -0.311+/-0.068 χ^2/NDF:35.6/30

All: -0.207+/-0.048 χ^2/NDF: 76.4/59



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.004 χ^2/NDF:10.4/12

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.035+/-0.004 χ^2/NDF:12.0/12

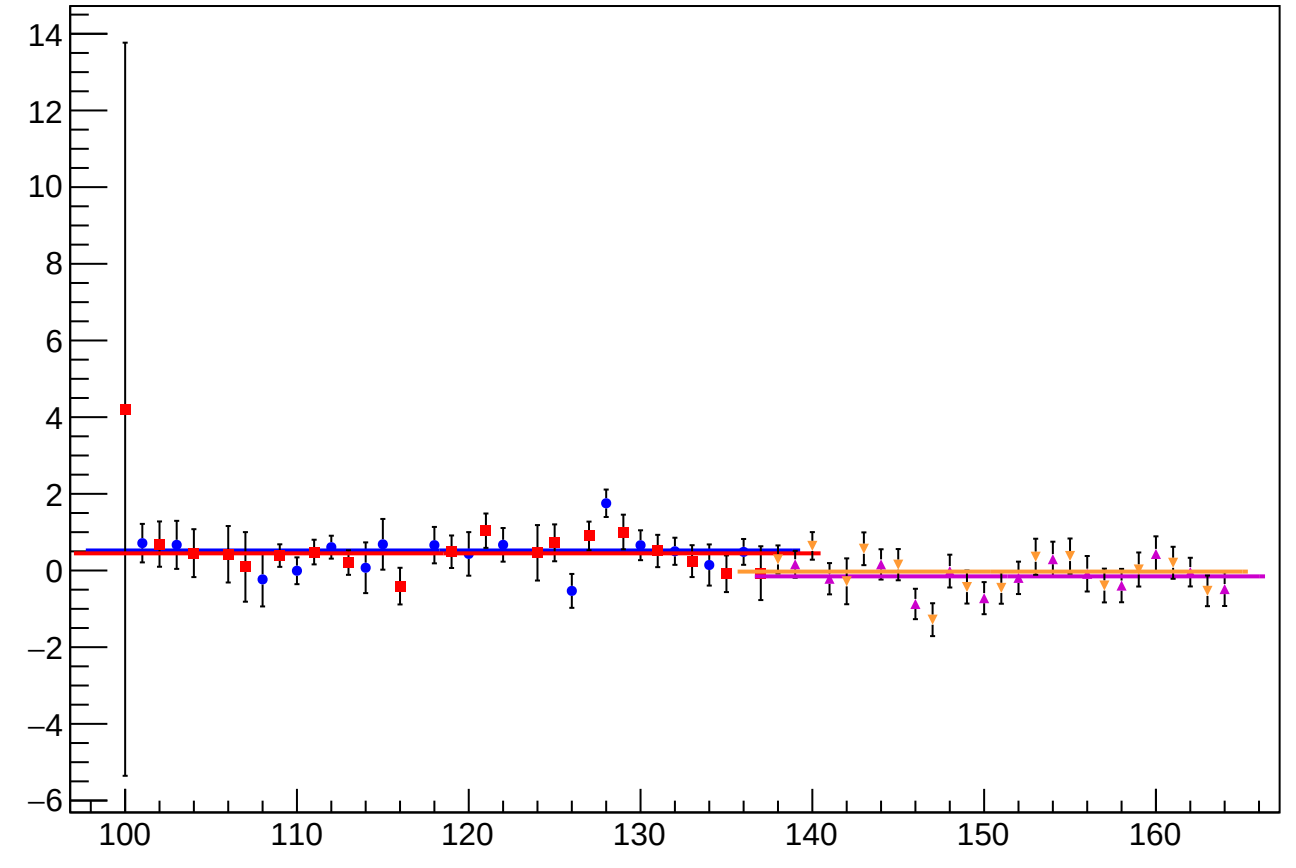
Left: 0.031+/-0.003 χ^2/NDF: 24.5/25

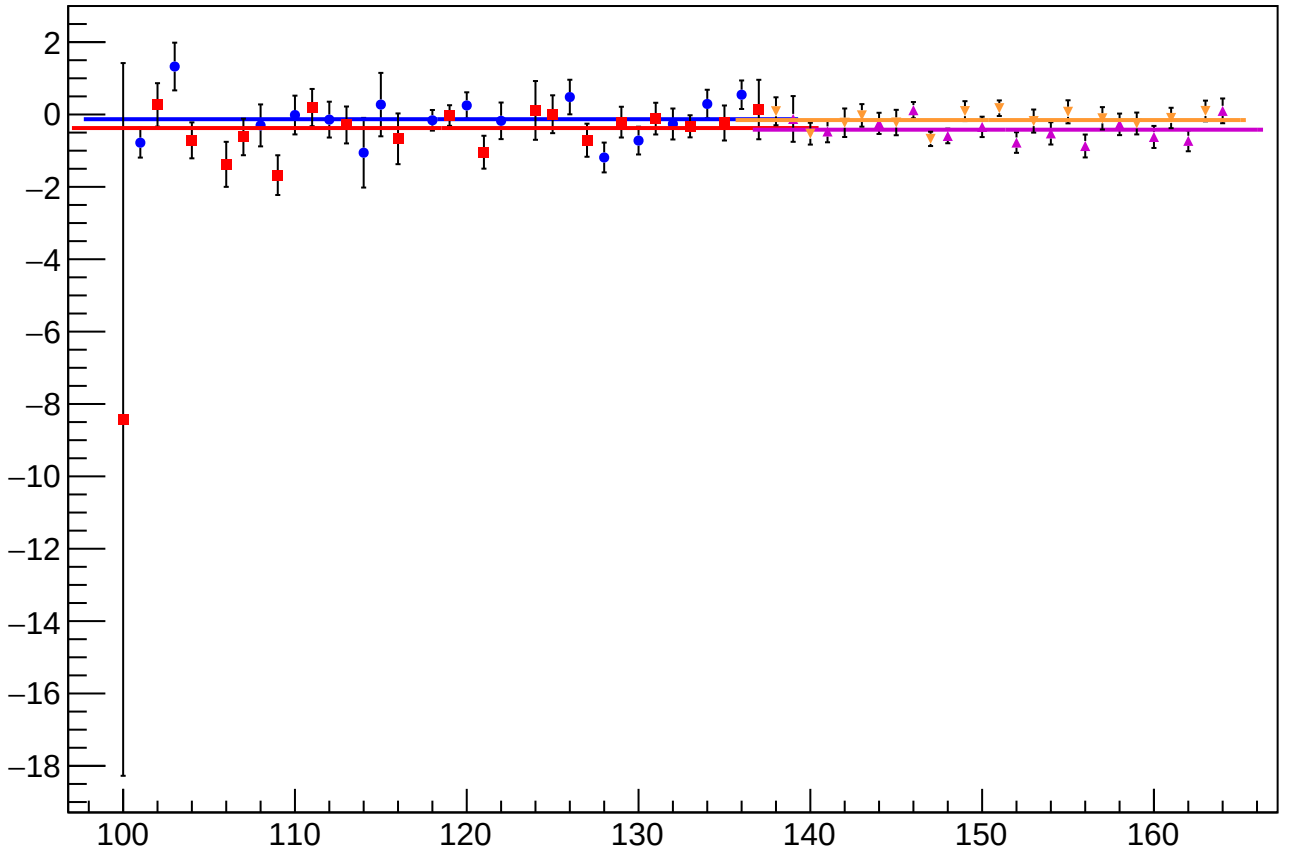
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.039+/-0.003 χ^2/NDF:34.7/28

Out: 0.027+/-0.003 χ^2/NDF:10031.3/30

All: 0.033+/-0.002 χ^2/NDF: 10072.0/59


reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected
14
12
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
Right In: 0.522+/-0.108 χ²/NDF: 22.6/15
Left Out: -0.028+/-0.113 χ²/NDF:21.1/13
Right Out: 0.448+/-0.105 χ²/NDF: 11.4/18
Left In: -0.153+/-0.115 χ²/NDF:10.3/12
Left: -0.090+/-0.081 χ²/NDF: 32.0/26
Right: 0.484+/-0.075 χ²/NDF: 34.3/34
In: 0.205+/-0.079 χ²/NDF:51.1/28
Out: 0.228+/-0.077 χ²/NDF:42.0/32
All: 0.216+/-0.055 χ²/NDF: 93.2/61



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.154+/-0.077 χ^2/NDF:13.7/13

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.420+/-0.080 χ^2/NDF:15.0/12

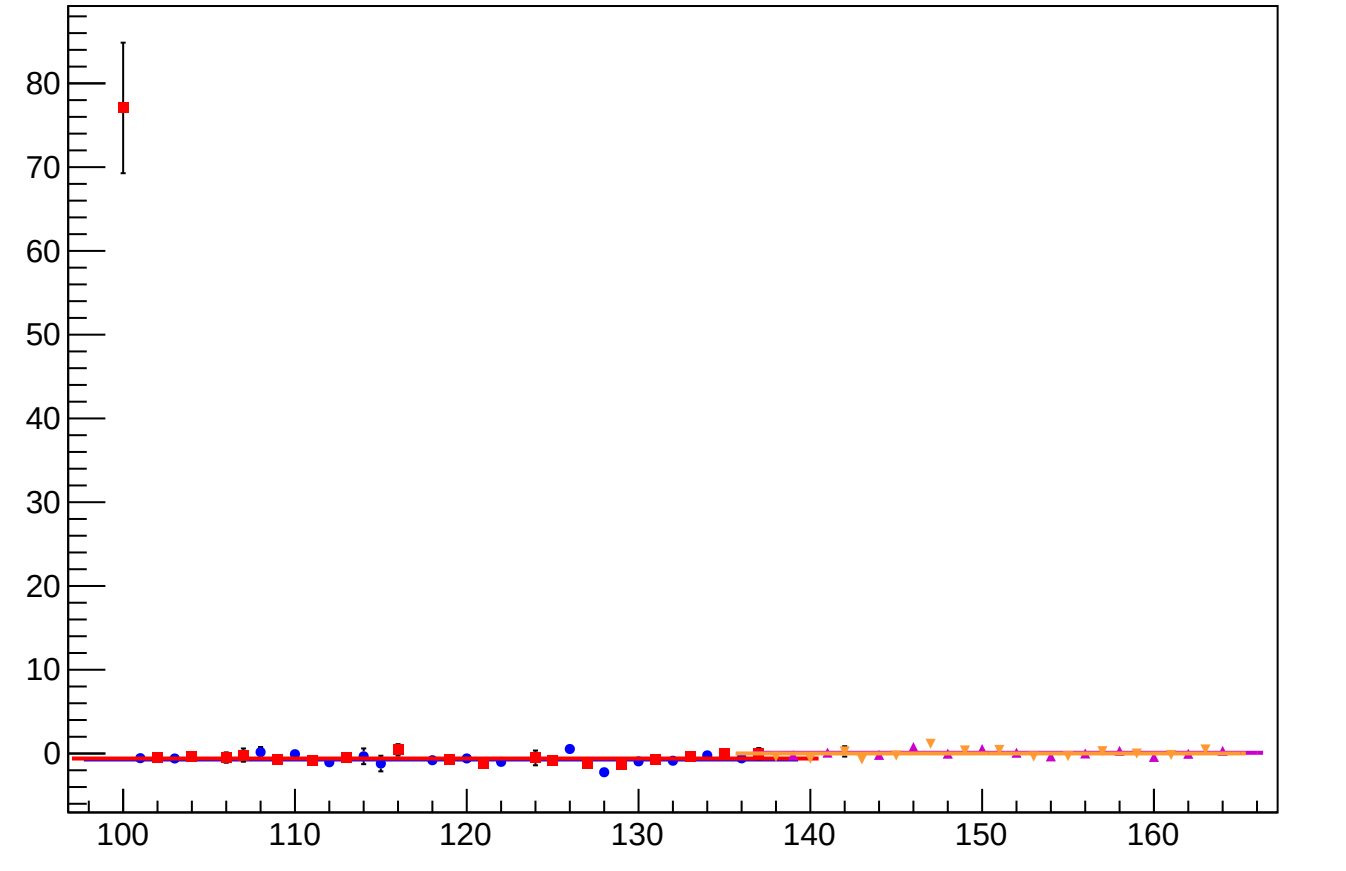
Left: -0.283+/-0.055 χ^2/NDF: 34.5/26

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.322+/-0.065 χ^2/NDF:44.0/28

Out: -0.225+/-0.063 χ^2/NDF:34.6/32

All: -0.273+/-0.045 χ^2/NDF: 79.7/61



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.007+/-0.110 χ^2/NDF:20.9/13

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.086+/-0.111 χ^2/NDF:8.7/12

Left: 0.046+/-0.078 χ^2/NDF: 29.9/26

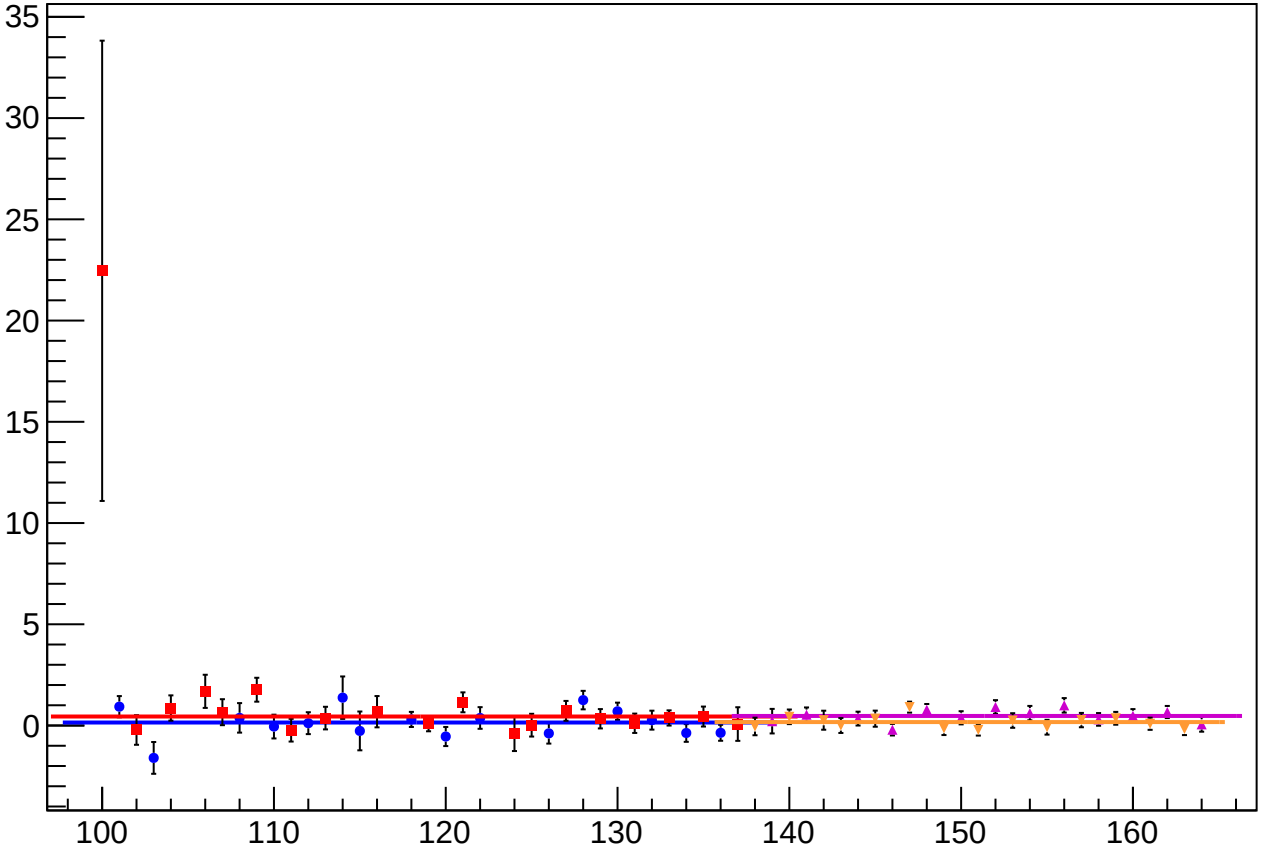
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.277+/-0.082 χ^2/NDF:57.1/28

Out: -0.265+/-0.082 χ^2/NDF:145.4/32

All: -0.271+/-0.058 χ^2/NDF: 202.6/61

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.170+/-0.090 χ^2/NDF:13.8/13

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.472+/-0.093 χ^2/NDF:13.4/12

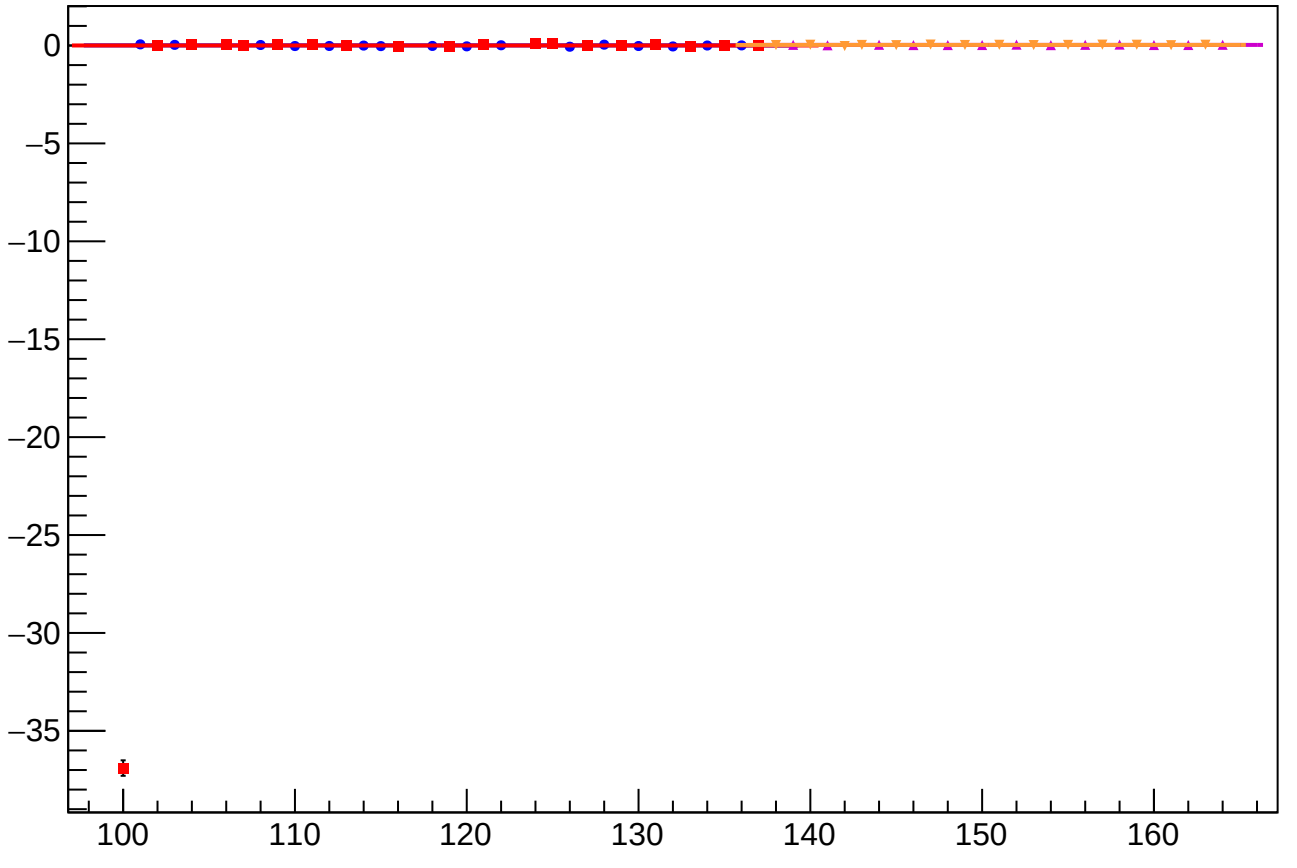
Left: 0.317+/-0.065 χ^2/NDF: 32.6/26

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.360+/-0.075 χ^2/NDF:40.8/28

Out: 0.261+/-0.074 χ^2/NDF:36.6/32

All: 0.310+/-0.053 χ^2/NDF: 78.3/61



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.030+/-0.004 χ^2/NDF:10.7/13

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.030+/-0.004 χ^2/NDF:5.5/12

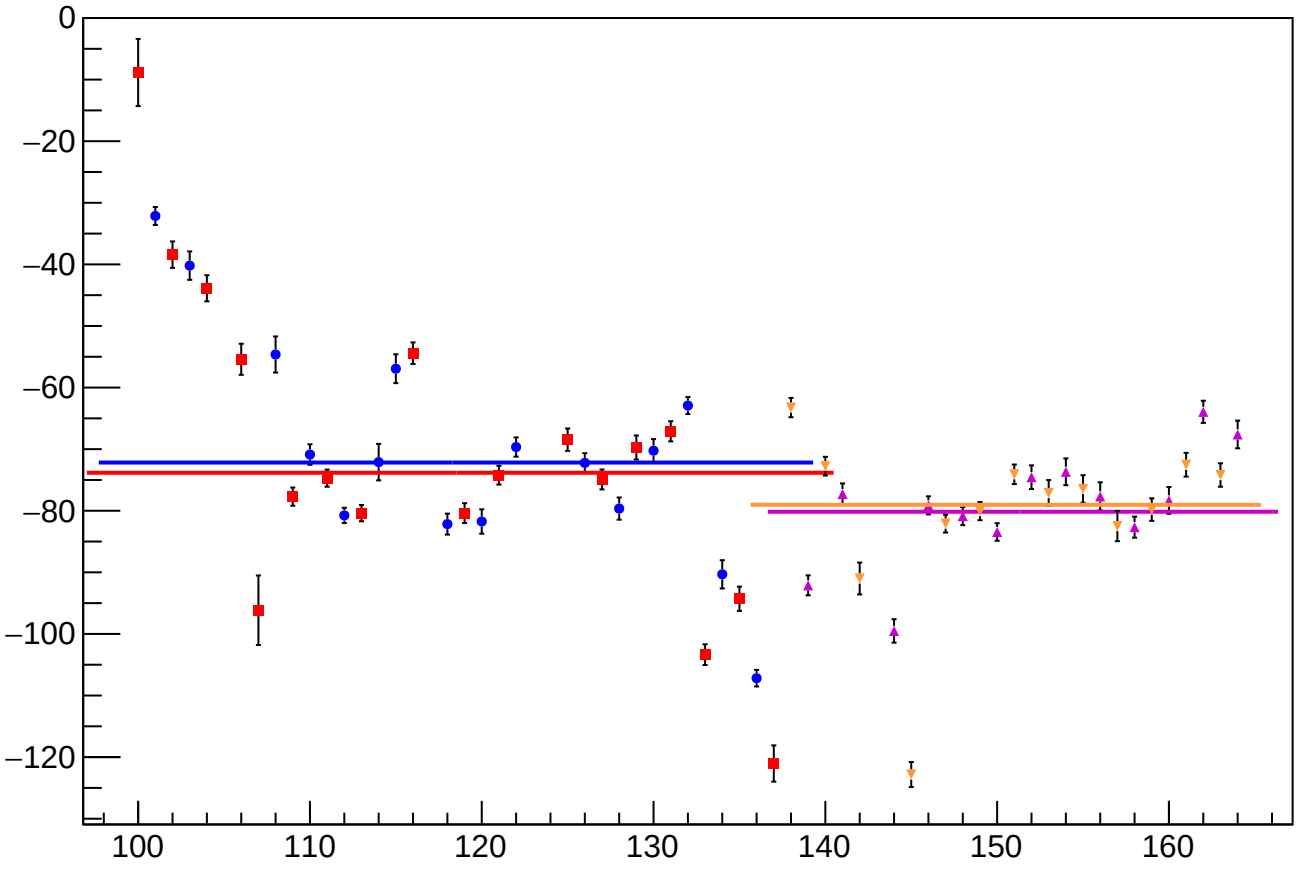
Left: 0.030+/-0.003 χ^2/NDF: 16.2/26

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.024+/-0.004 χ^2/NDF:31.1/28

Out: 0.023+/-0.004 χ^2/NDF:8774.7/32

All: 0.024+/-0.003 χ^2/NDF: 8805.9/61



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -79.037+/-0.500 χ^2/NDF:640.8/12

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -80.160+/-0.491 χ^2/NDF:300.6/12

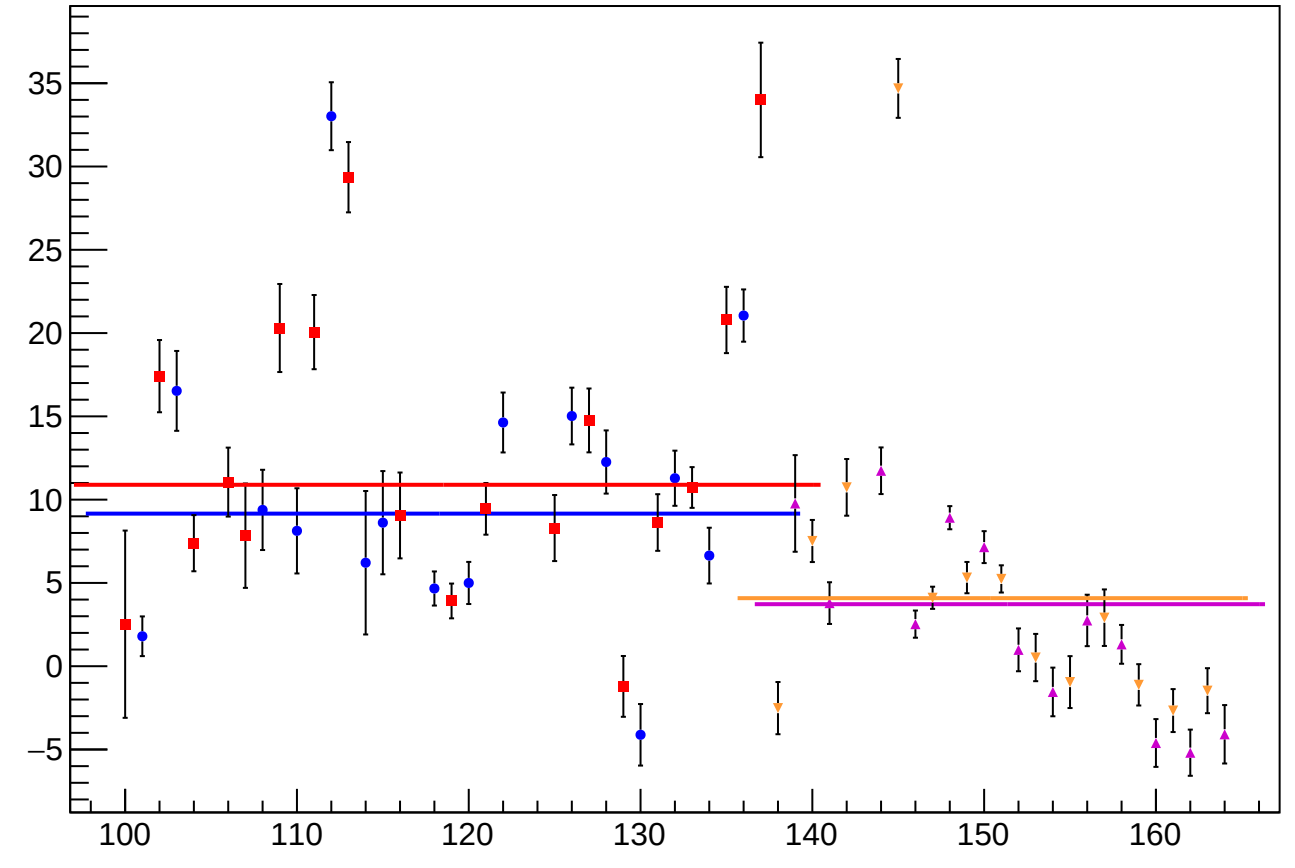
Left: -79.609+/-0.350 χ^2/NDF: 944.0/25

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

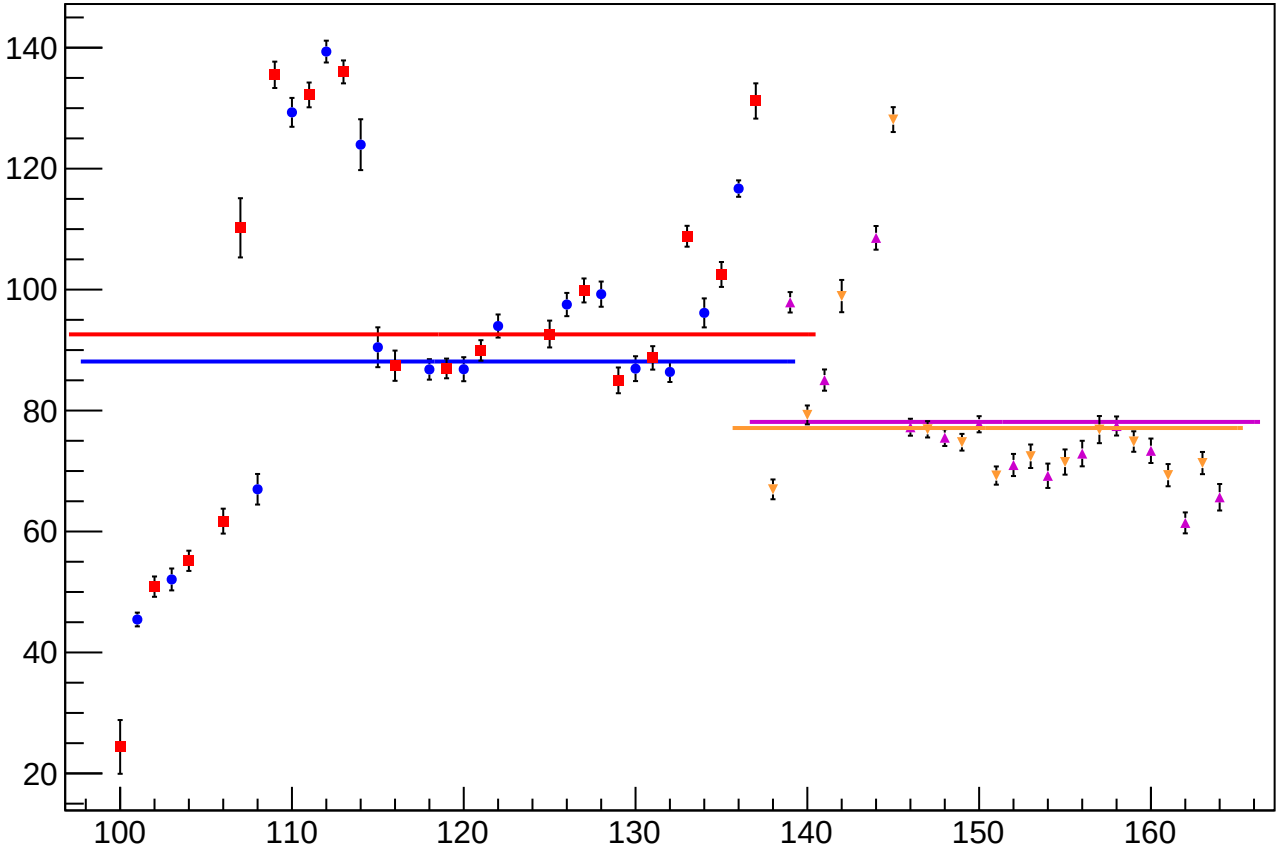
In: -75.659+/-0.324 χ^2/NDF:2385.8/28

Out: -76.048+/-0.326 χ^2/NDF:2260.7/30

All: -75.852+/-0.230 χ^2/NDF: 4647.2/59


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 9.161+/-0.425 χ²/NDF: 352.1/15
Left Out: 4.085+/-0.322 χ²/NDF:423.0/12
Right Out: 10.892+/-0.440 χ²/NDF: 290.2/17
Left In: 3.724+/-0.325 χ²/NDF:225.1/12
Left: 3.906+/-0.229 χ²/NDF: 648.7/25
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 5.726+/-0.258 χ²/NDF:680.5/28
Out: 6.458+/-0.260 χ²/NDF:869.0/30
All: 6.090+/-0.183 χ²/NDF: 1553.5/59

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: 77.111+/-0.482 χ^2/NDF:794.0/12

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 78.121+/-0.472 χ^2/NDF:570.3/12

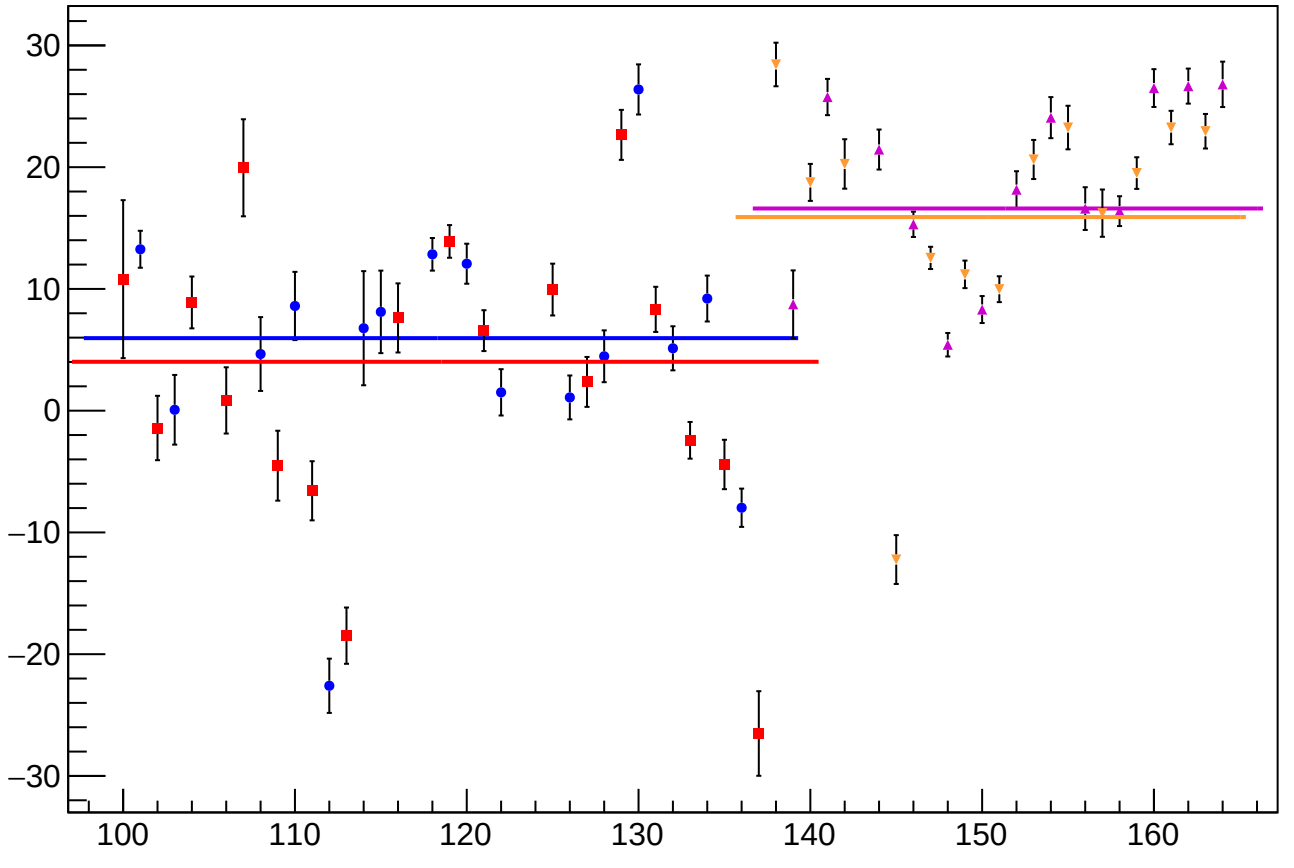
Left: 77.626+/-0.337 χ^2/NDF: 1366.6/25

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 83.150+/-0.333 χ^2/NDF:4357.6/28

Out: 84.831+/-0.341 χ^2/NDF:4520.2/30

All: 83.969+/-0.238 χ^2/NDF: 8890.2/59



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 15.903+/-0.387 χ^2/NDF:402.4/12

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 16.607+/-0.386 χ^2/NDF:386.1/12

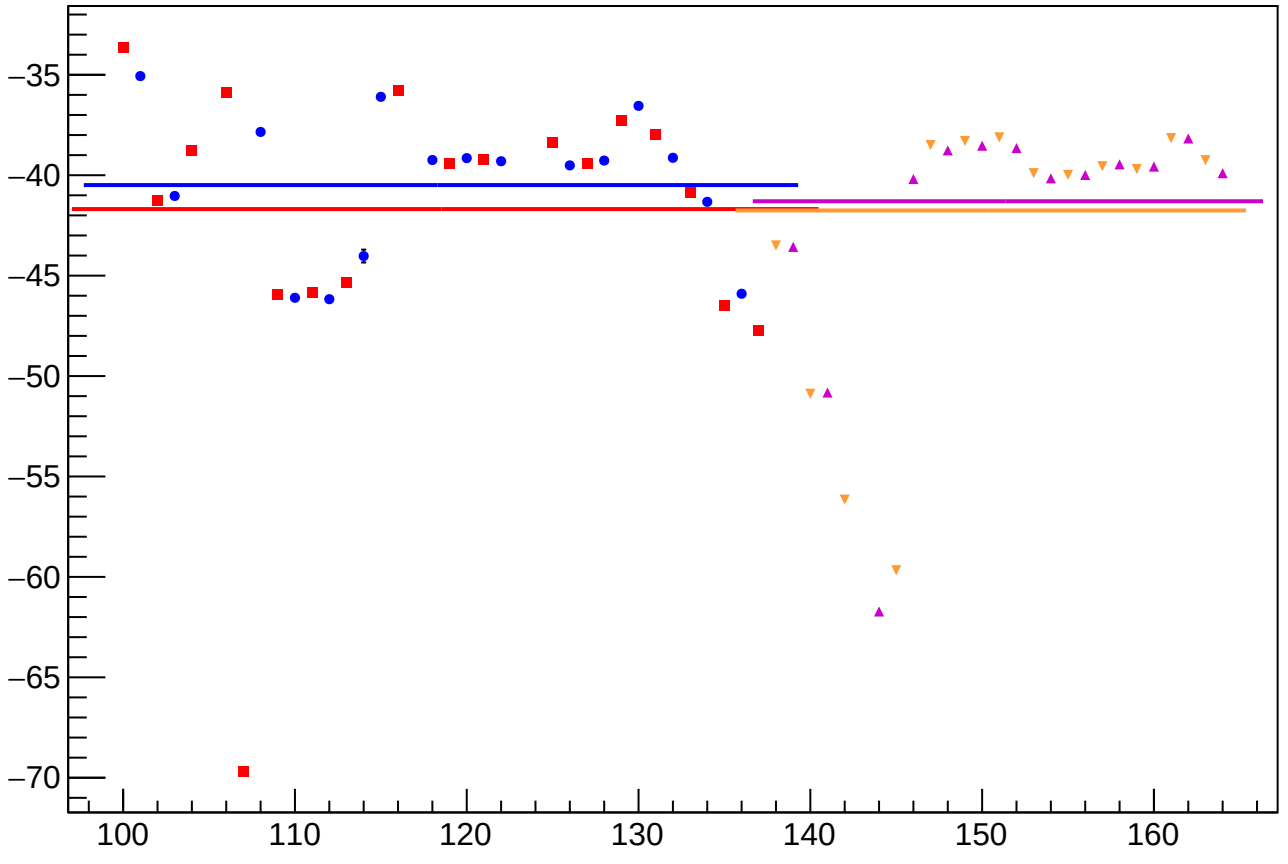
Left: 16.256+/-0.273 χ^2/NDF: 790.2/25

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 12.581+/-0.304 χ^2/NDF:1101.1/28

Out: 11.561+/-0.308 χ^2/NDF:1165.4/30

All: 12.077+/-0.216 χ^2/NDF: 2272.0/59



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -41.755+/-0.019 χ^2/NDF:102039.9/12

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -41.296+/-0.018 χ^2/NDF:84531.7/12

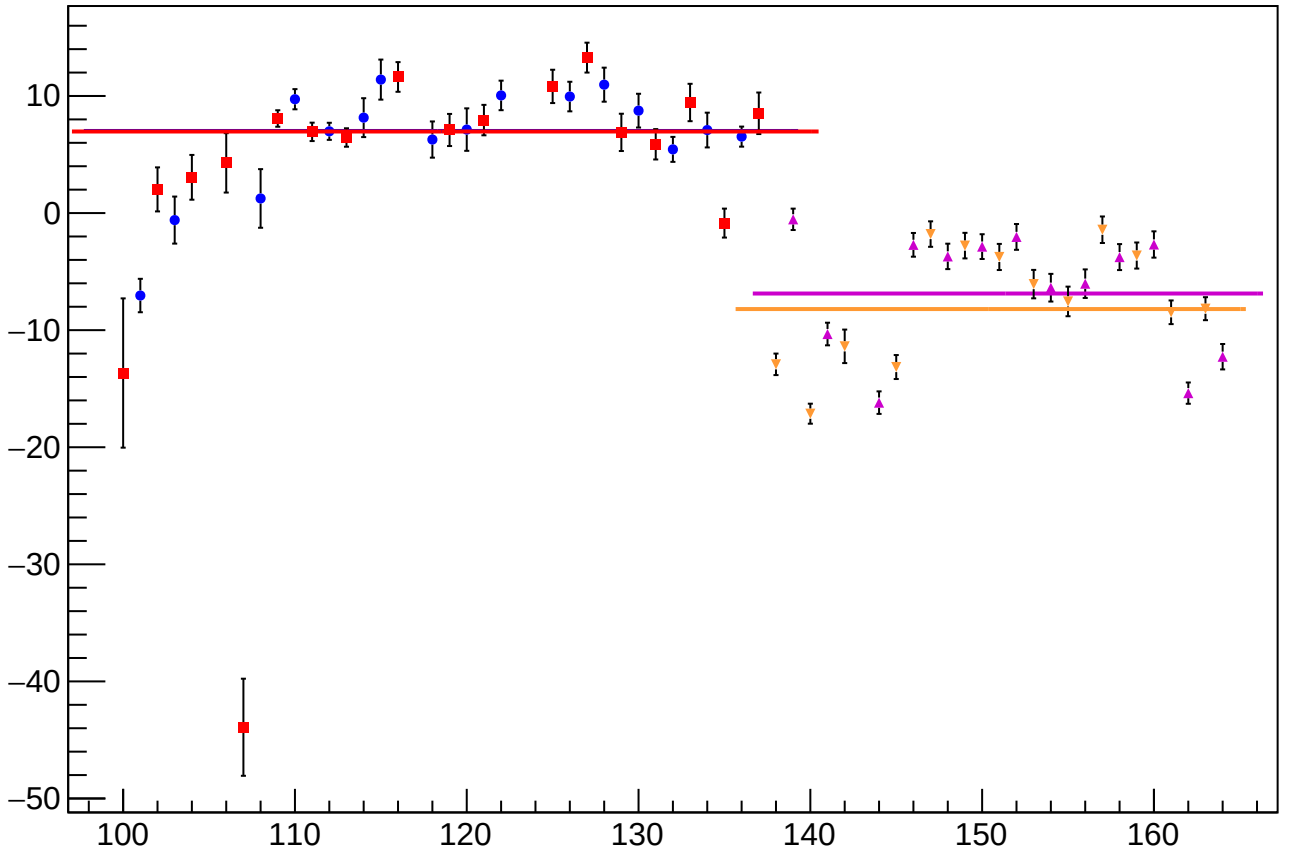
Left: -41.518+/-0.013 χ^2/NDF: 186887.8/25

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -41.066+/-0.015 χ^2/NDF:103235.1/28

Out: -41.735+/-0.016 χ^2/NDF:138882.5/30

All: -41.389+/-0.011 χ^2/NDF: 243060.9/59



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.198+/-0.296 χ^2/NDF:295.3/12

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -6.871+/-0.289 χ^2/NDF:348.5/12

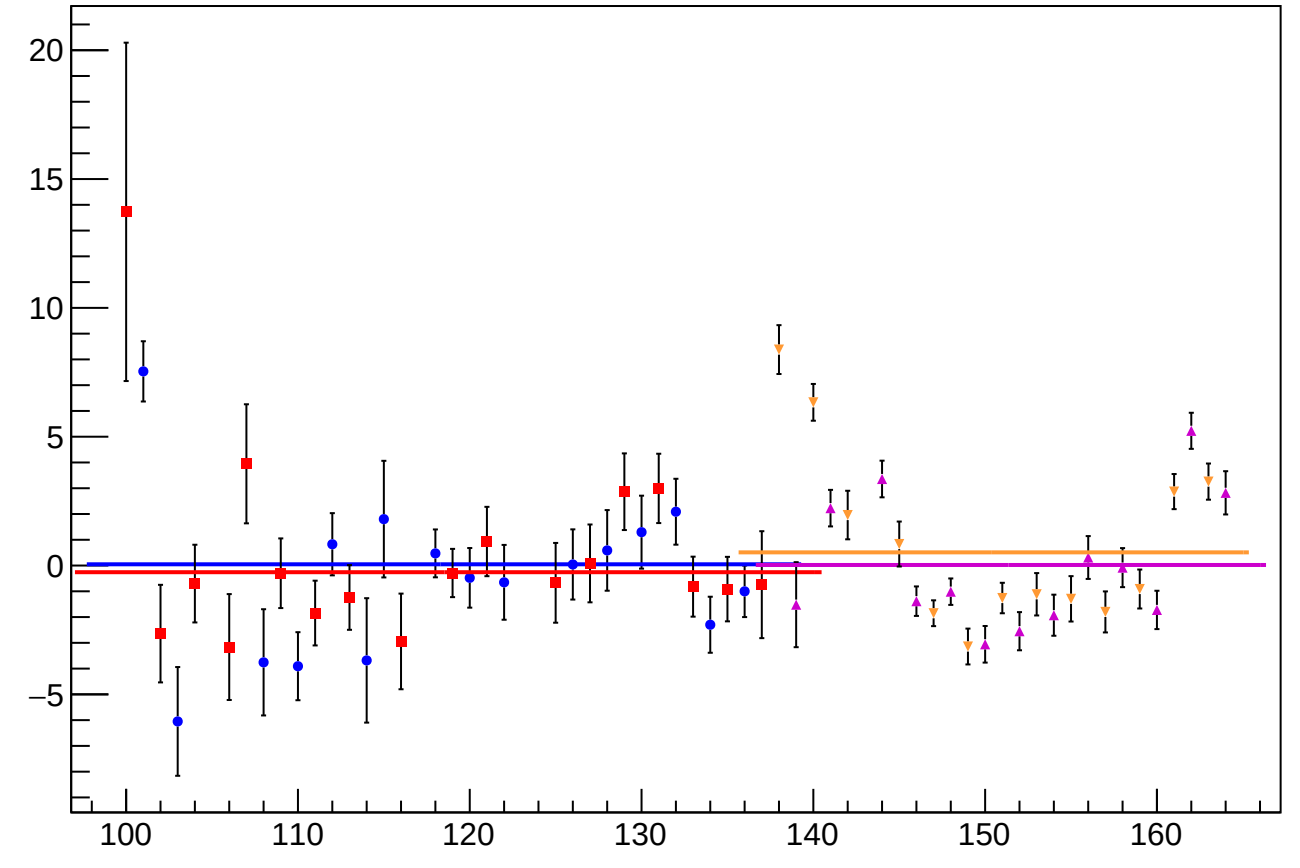
Left: -7.519+/-0.207 χ^2/NDF: 654.1/25

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: -0.390+/-0.211 χ^2/NDF:1579.2/28

Out: -0.664+/-0.210 χ^2/NDF:1862.8/30

All: -0.528+/-0.149 χ^2/NDF: 3442.8/59



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.511+/-0.201 χ^2/NDF:244.2/12

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 0.022+/-0.200 χ^2/NDF:151.5/12

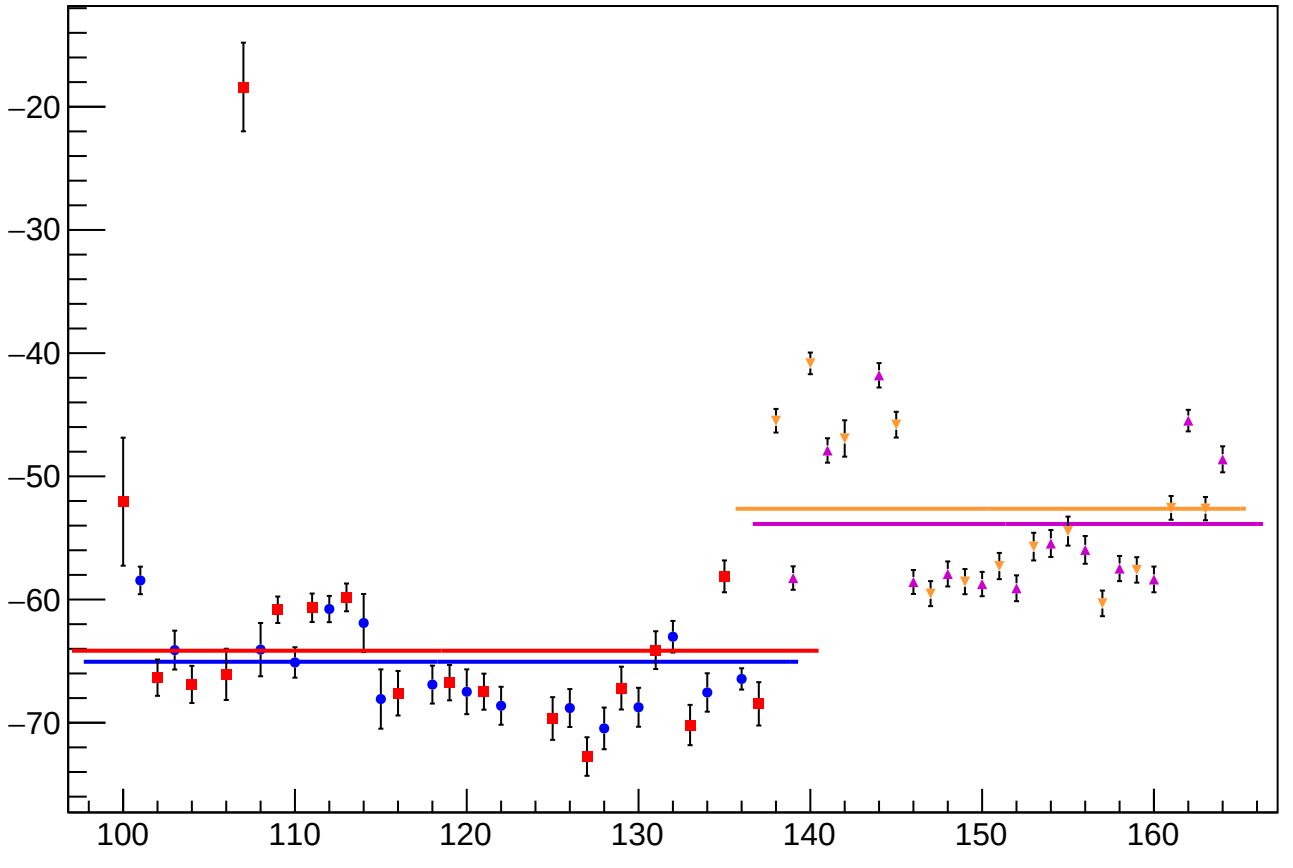
Left: 0.265+/-0.142 χ^2/NDF: 398.6/25

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: 0.029+/-0.171 χ^2/NDF:226.5/28

Out: 0.315+/-0.174 χ^2/NDF:275.4/30

All: 0.170+/-0.122 χ^2/NDF: 503.3/59



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -52.630+/-0.287 χ^2/NDF:479.7/12

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -53.865+/-0.280 χ^2/NDF:447.9/12

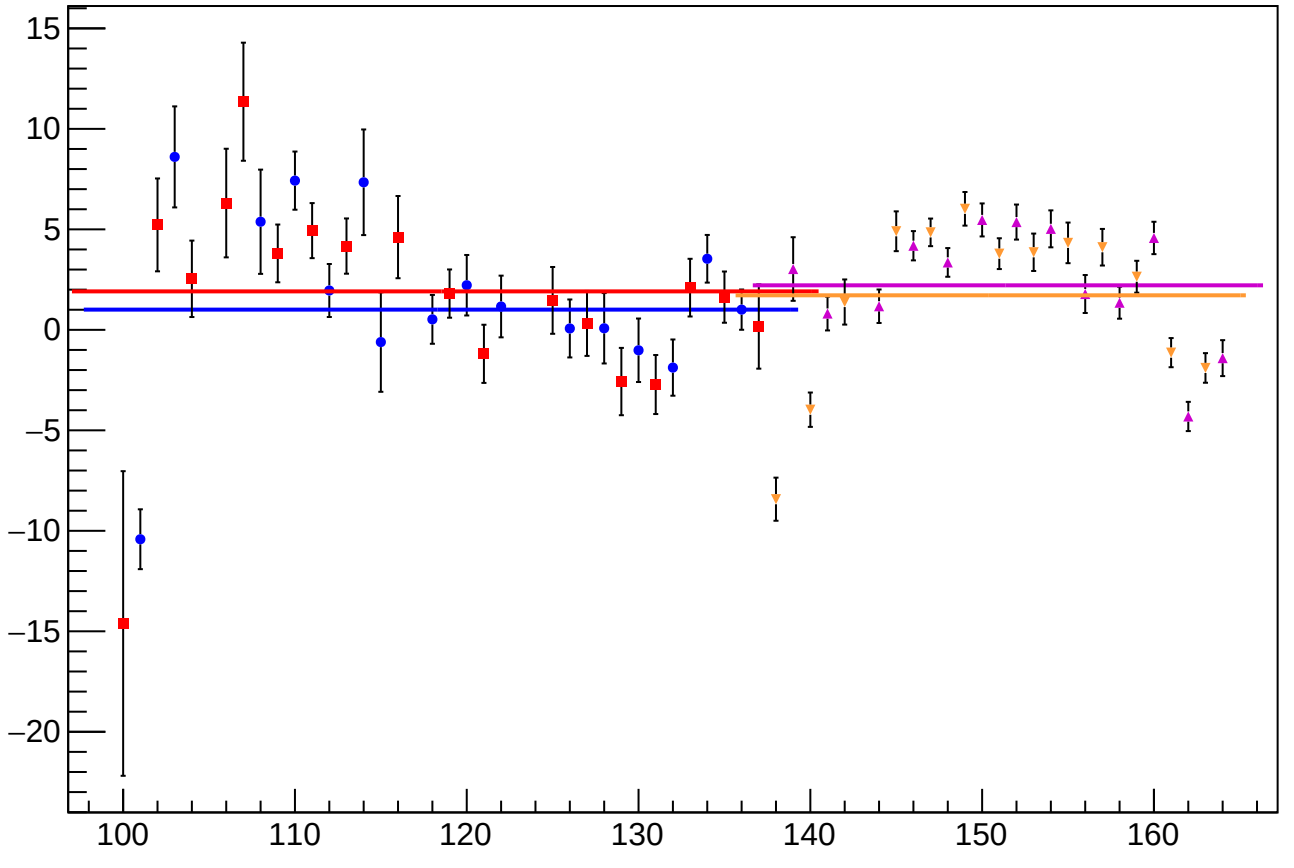
Left: -53.264+/-0.200 χ^2/NDF: 937.2/25

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -58.161+/-0.219 χ^2/NDF:1155.8/28

Out: -57.102+/-0.225 χ^2/NDF:1409.1/30

All: -57.644+/-0.157 χ^2/NDF: 2576.3/59



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 1.718+/-0.236 χ^2/NDF:258.6/12

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 2.215+/-0.233 χ^2/NDF:159.4/12

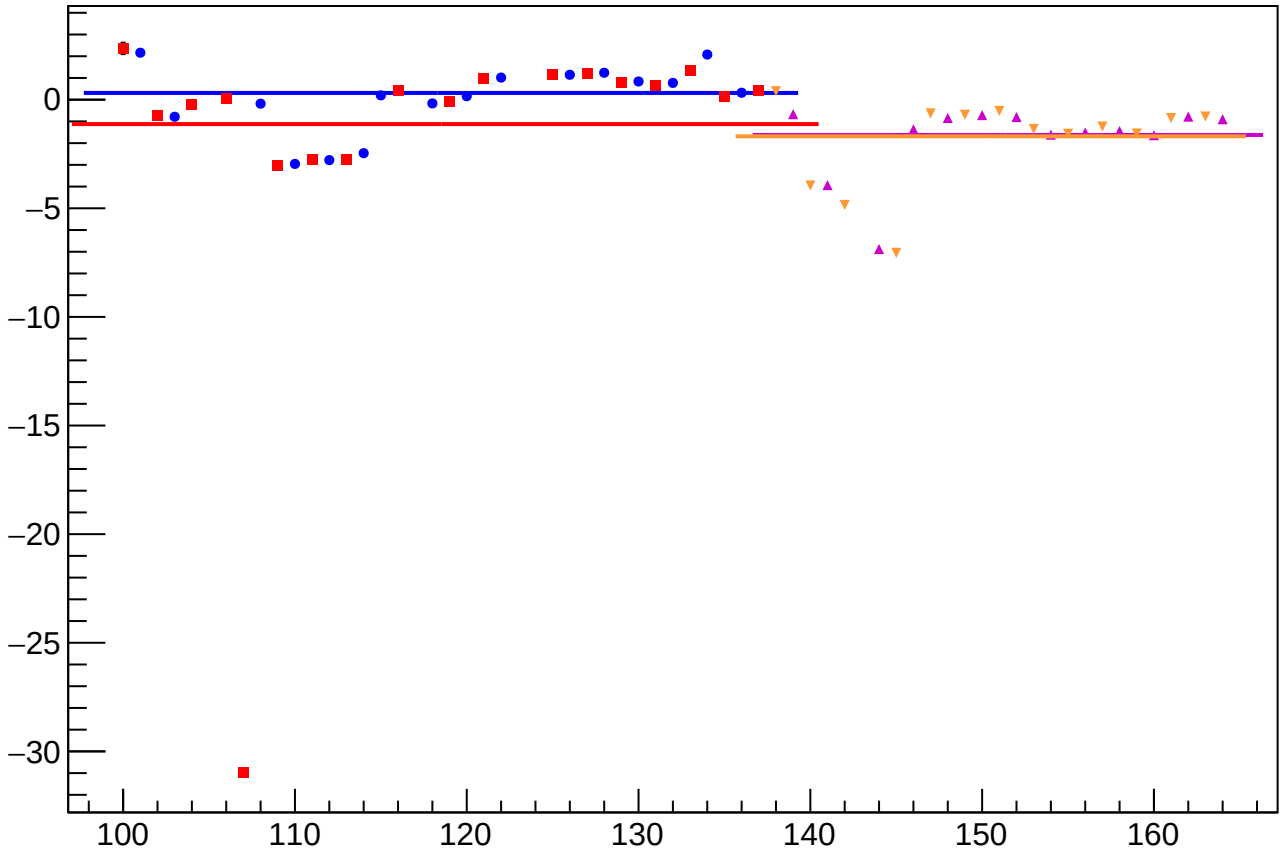
Left: 1.970+/-0.166 χ^2/NDF: 420.3/25

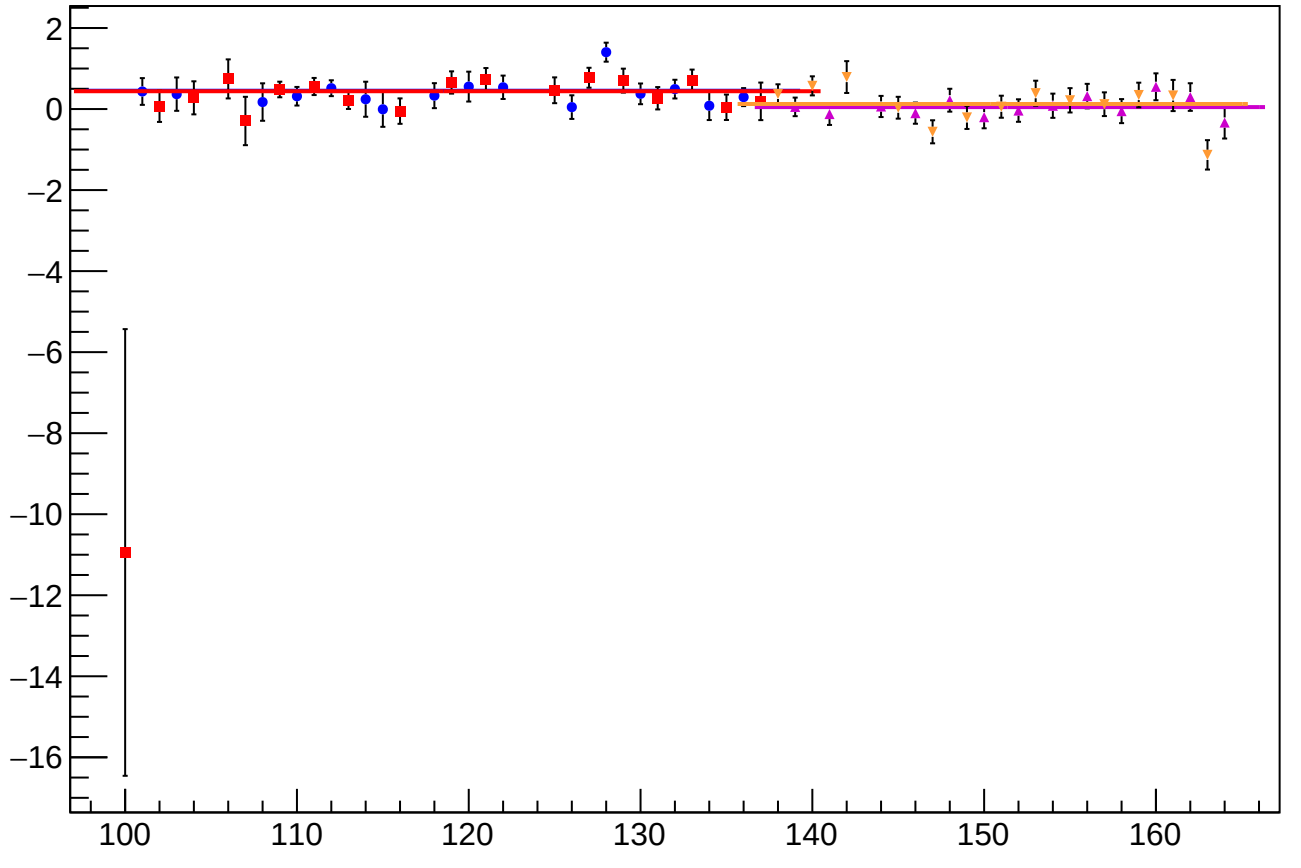
Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 1.880+/-0.198 χ^2/NDF:276.1/28

Out: 1.771+/-0.202 χ^2/NDF:313.3/30

All: 1.826+/-0.141 χ^2/NDF: 589.6/59


reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
110
120
130
140
150
160
Right In: 0.310+/-0.021 χ²/NDF: 4848.4/15
Left Out: -1.687+/-0.011 χ²/NDF:29499.9/12
Right Out: -1.124+/-0.022 χ²/NDF: 46347.9/17
Left In: -1.624+/-0.010 χ²/NDF:20534.4/12
Left: -1.654+/-0.008 χ²/NDF: 50051.7/25
Right: -0.369+/-0.015 χ²/NDF: 53391.3/33
In: -1.239+/-0.009 χ²/NDF:32138.0/28
Out: -1.579+/-0.010 χ²/NDF:76366.9/30
All: -1.403+/-0.007 χ²/NDF: 109135.3/59



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.125+/-0.081 χ^2/NDF:28.5/12

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.048+/-0.079 χ^2/NDF:6.7/12

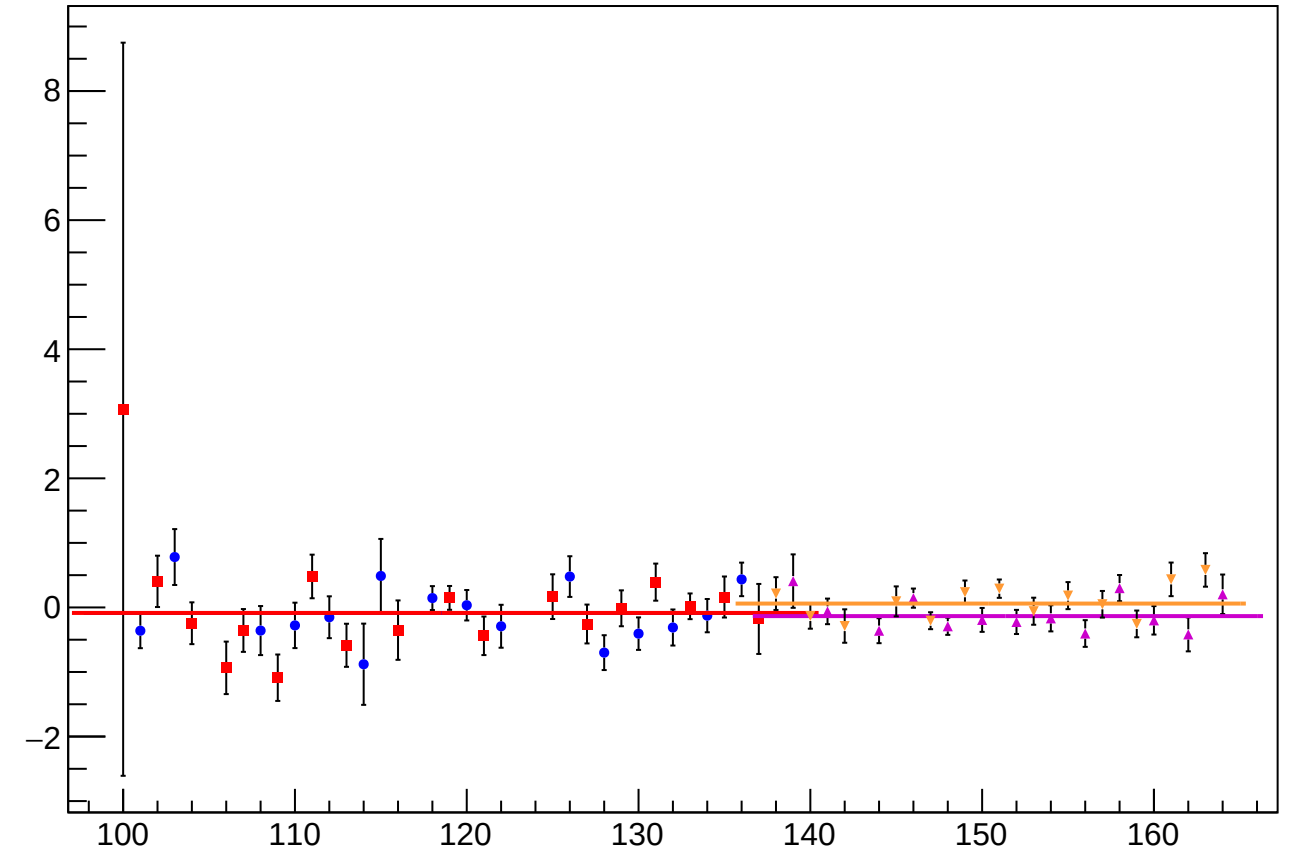
Left: 0.086+/-0.057 χ^2/NDF: 35.7/25

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.272+/-0.053 χ^2/NDF:43.6/28

Out: 0.306+/-0.053 χ^2/NDF:55.8/30

All: 0.289+/-0.037 χ^2/NDF: 99.7/59



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.060+/-0.055 χ^2/NDF:19.9/12

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.134+/-0.055 χ^2/NDF:17.2/12

Left: -0.037+/-0.039 χ^2/NDF: 43.5/25

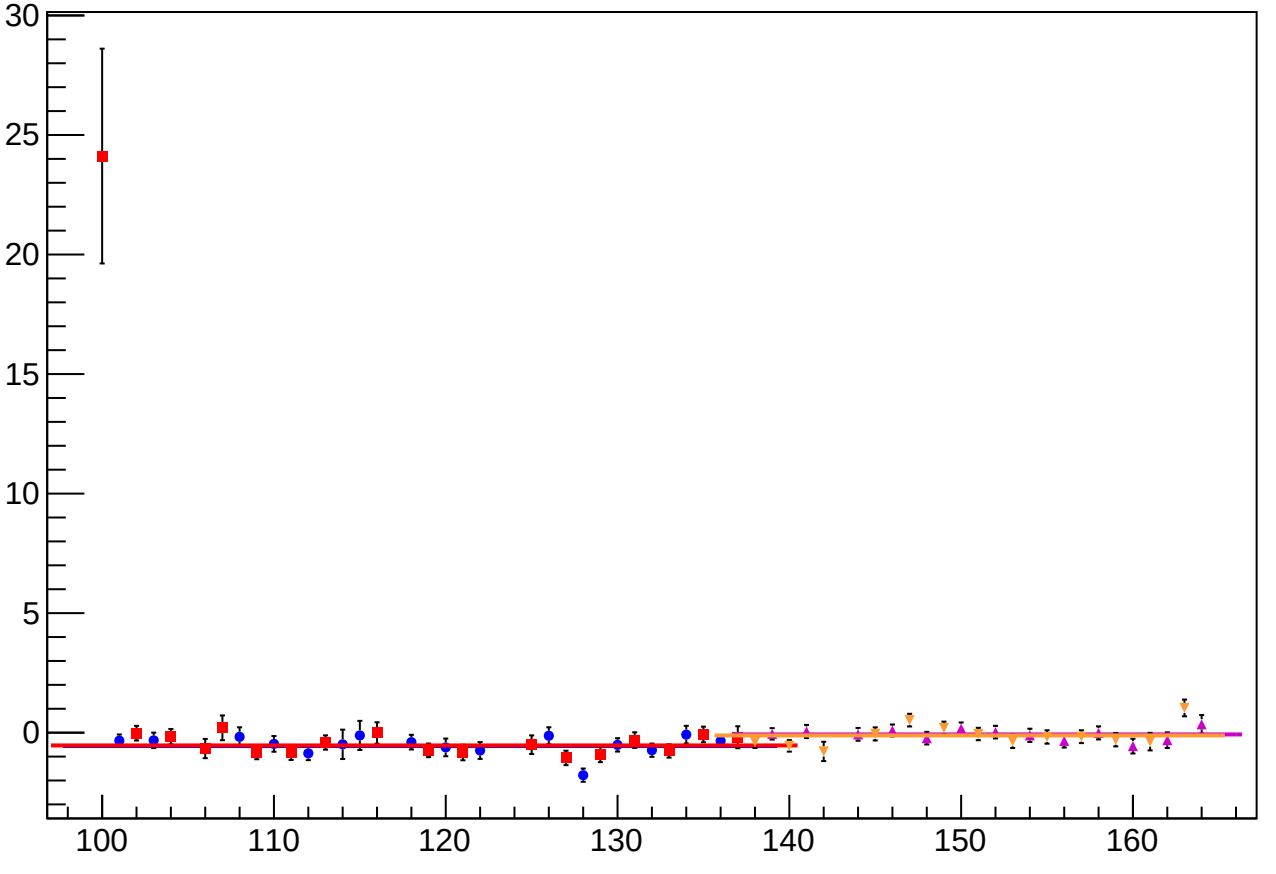
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.117+/-0.044 χ^2/NDF:42.9/28

Out: 0.008+/-0.044 χ^2/NDF:50.3/30

All: -0.055+/-0.031 χ^2/NDF: 97.3/59

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.115+/-0.078 χ^2/NDF:27.0/12

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.074+/-0.077 χ^2/NDF:7.3/12

Left: -0.094+/-0.055 χ^2/NDF: 34.5/25

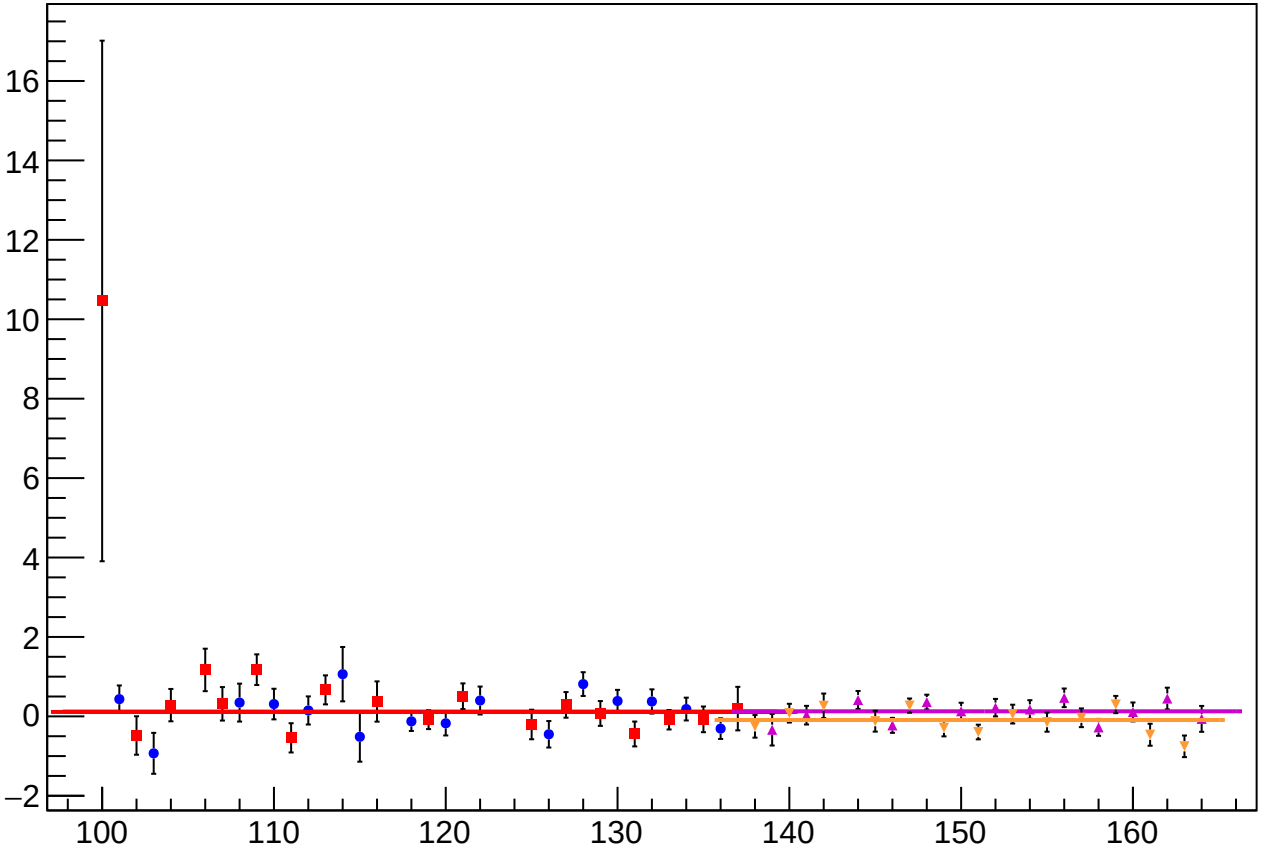
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.307+/-0.055 χ^2/NDF:54.8/28

Out: -0.319+/-0.056 χ^2/NDF:90.0/30

All: -0.313+/-0.039 χ^2/NDF: 144.9/59

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: -0.092+/-0.065 χ^2/NDF:21.2/12

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.128+/-0.064 χ^2/NDF:15.9/12

Left: 0.019+/-0.046 χ^2/NDF: 42.9/25

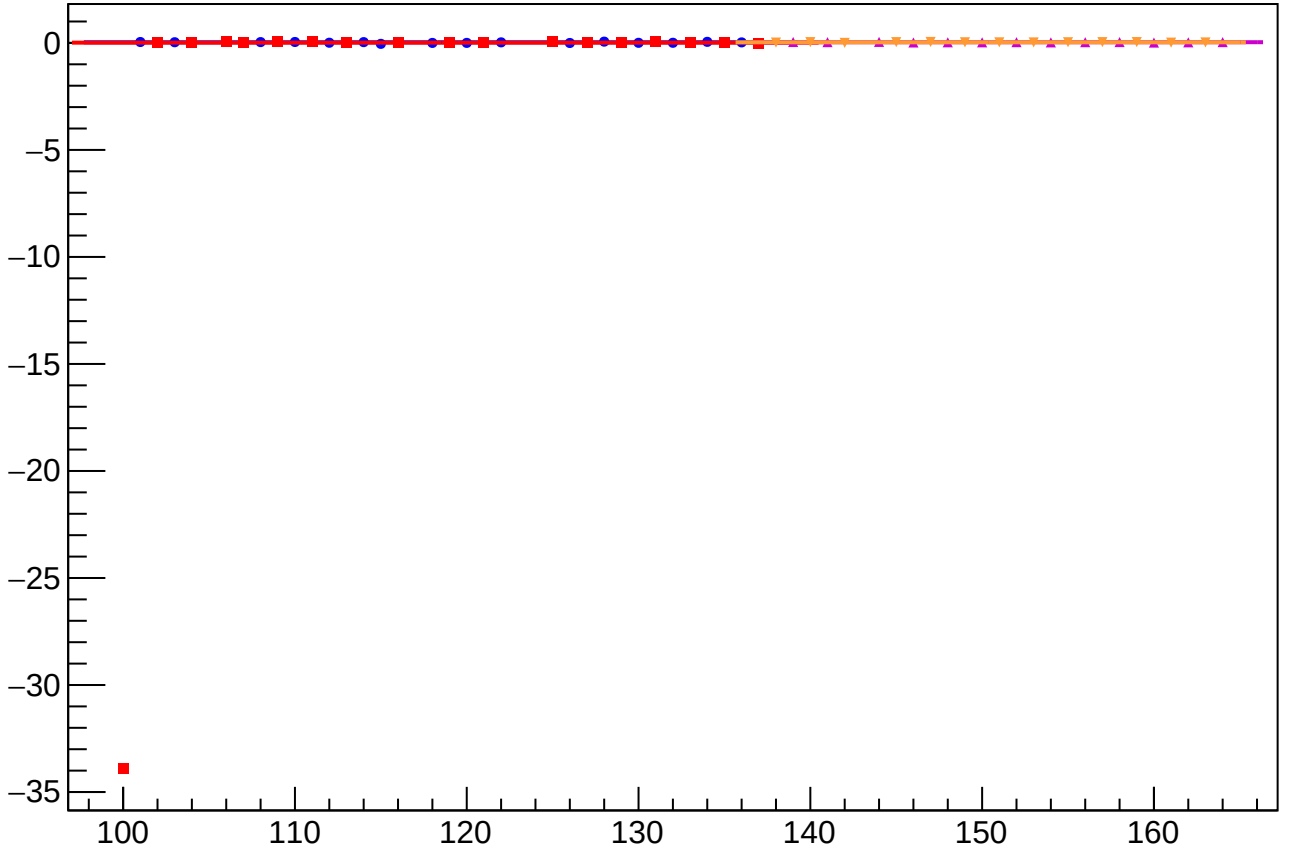
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.124+/-0.051 χ^2/NDF:39.5/28

Out: -0.017+/-0.052 χ^2/NDF:53.8/30

All: 0.054+/-0.036 χ^2/NDF: 97.1/59

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: 0.028+/-0.003 χ^2/NDF:11.4/12

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.032+/-0.003 χ^2/NDF:8.7/12

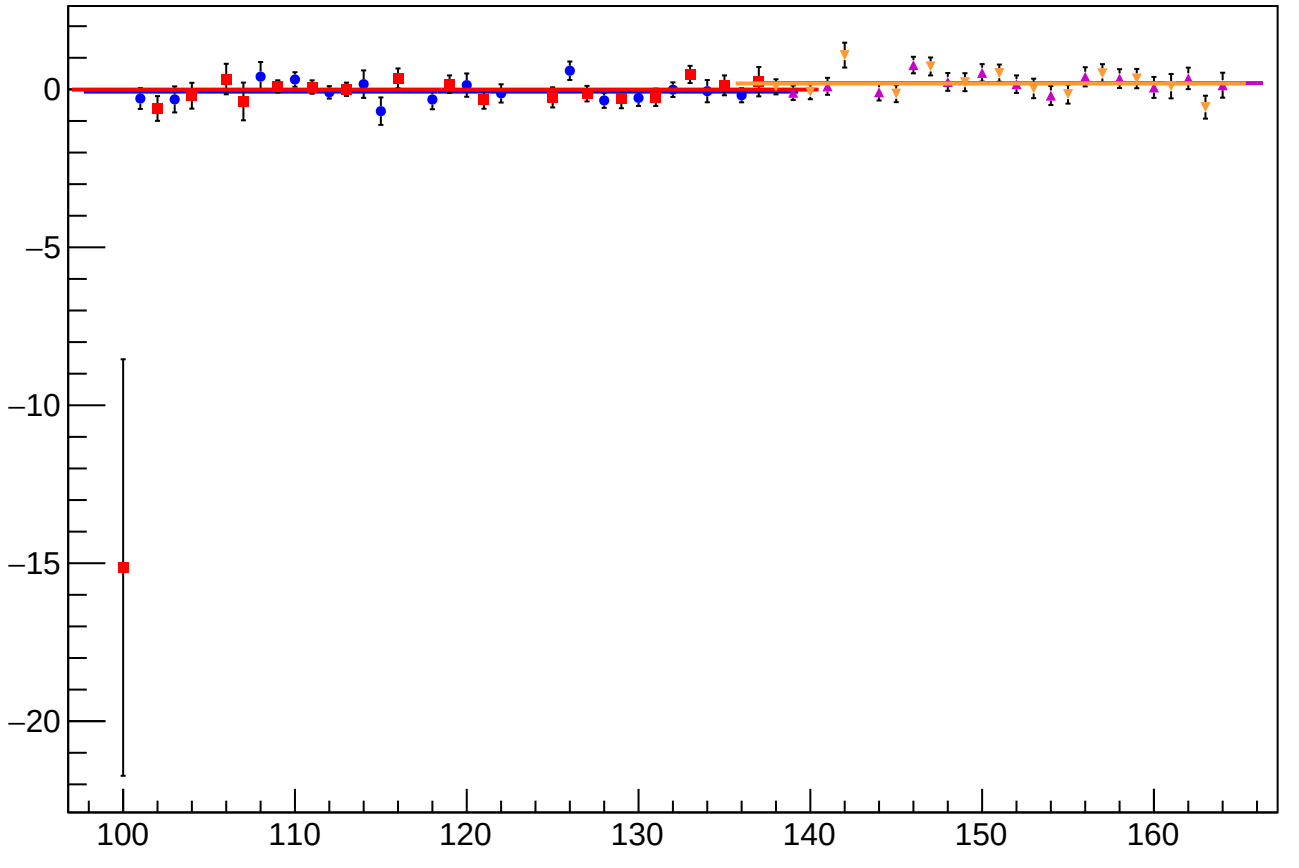
Left: 0.030+/-0.002 χ^2/NDF: 20.9/25

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.031+/-0.002 χ^2/NDF:24.0/28

Out: 0.024+/-0.003 χ^2/NDF:22281.7/30

All: 0.027+/-0.002 χ^2/NDF: 22309.7/59



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.187+/-0.081 χ^2/NDF:20.4/12

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.200+/-0.079 χ^2/NDF:12.1/12

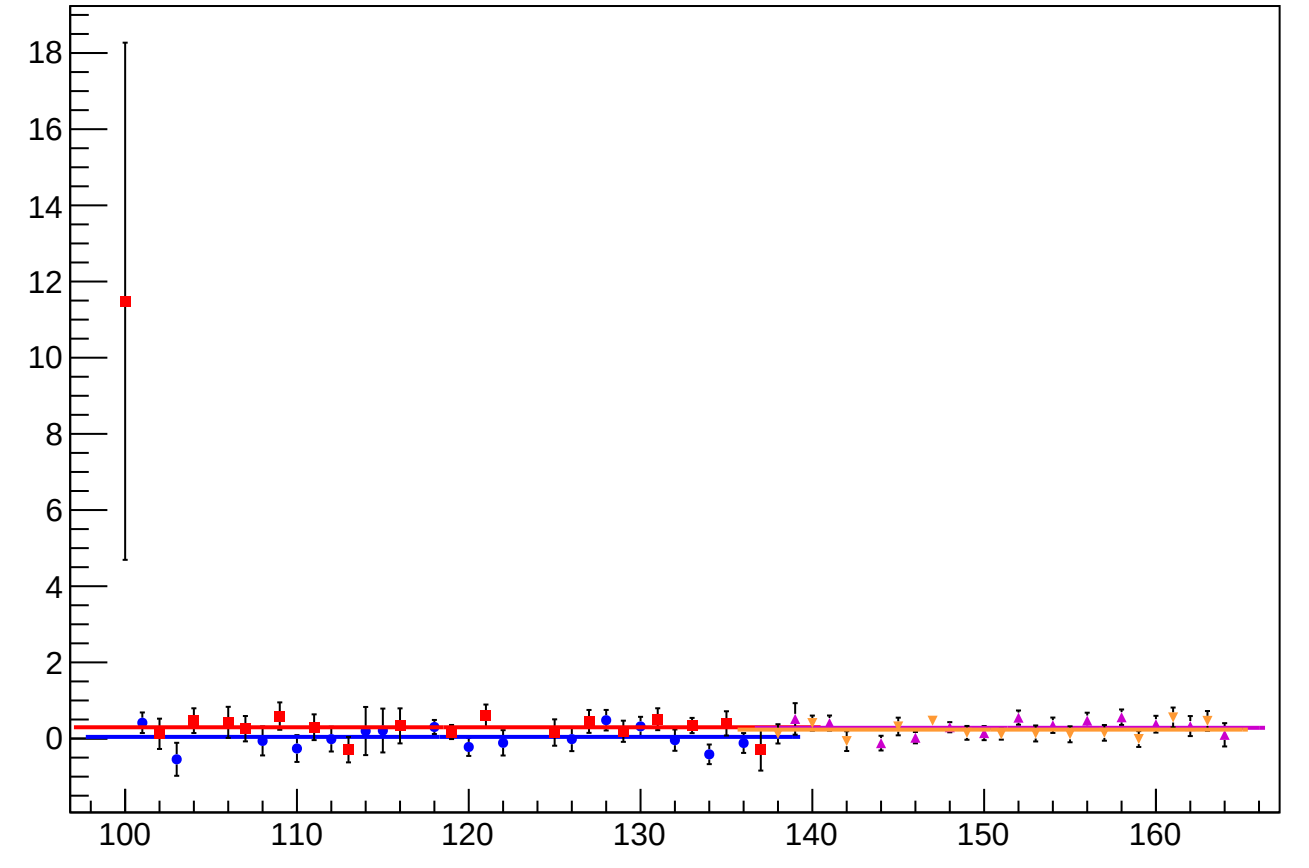
Left: 0.194+/-0.057 χ^2/NDF: 32.6/25

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.050+/-0.053 χ^2/NDF:34.0/28

Out: 0.076+/-0.053 χ^2/NDF:41.9/30

All: 0.063+/-0.037 χ^2/NDF: 76.0/59



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.235+/-0.055 χ^2/NDF:11.0/12

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.282+/-0.055 χ^2/NDF:14.1/12

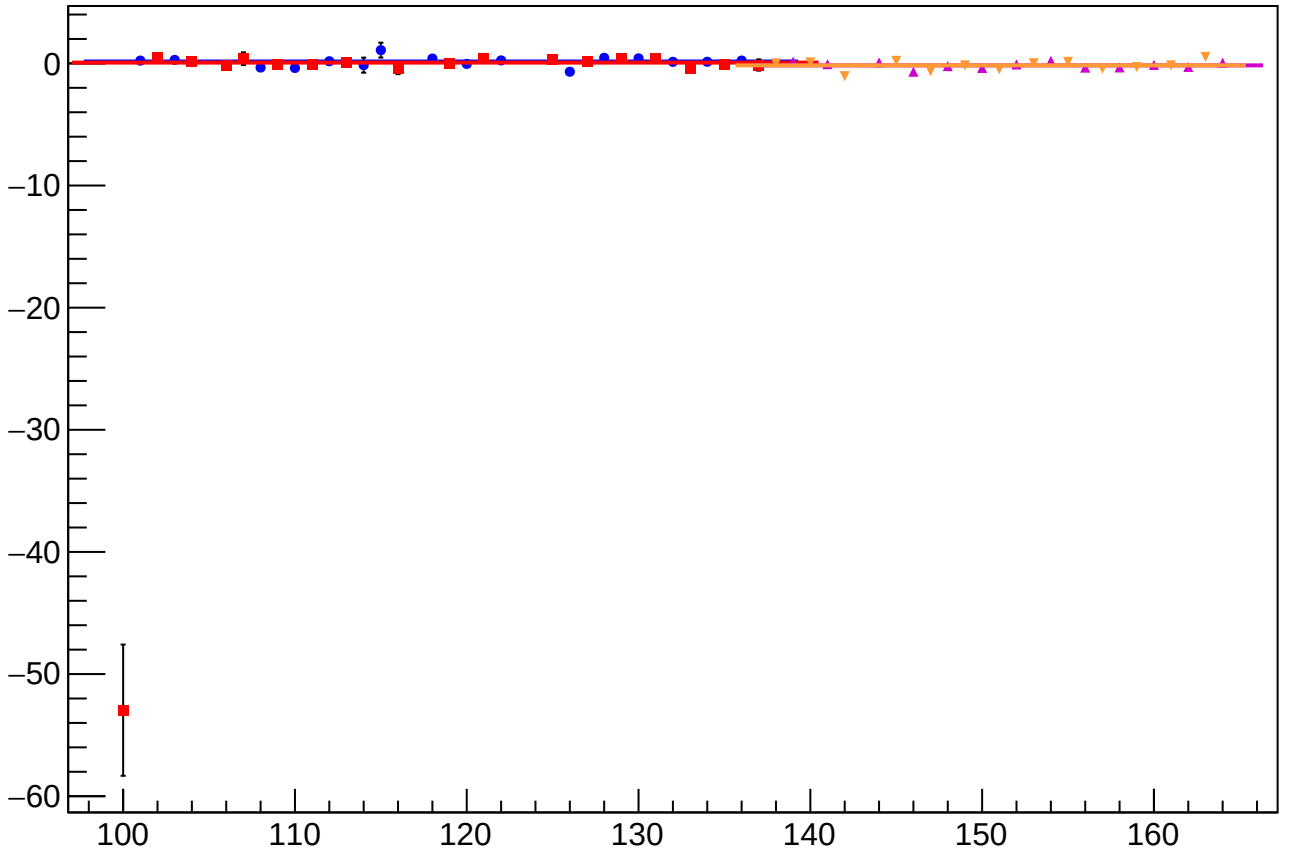
Left: 0.258+/-0.039 χ^2/NDF: 25.5/25

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.197+/-0.044 χ^2/NDF:36.6/28

Out: 0.257+/-0.044 χ^2/NDF:22.4/30

All: 0.226+/-0.031 χ^2/NDF: 60.0/59



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.159+/-0.078 χ^2/NDF:19.3/12

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.162+/-0.077 χ^2/NDF:10.7/12

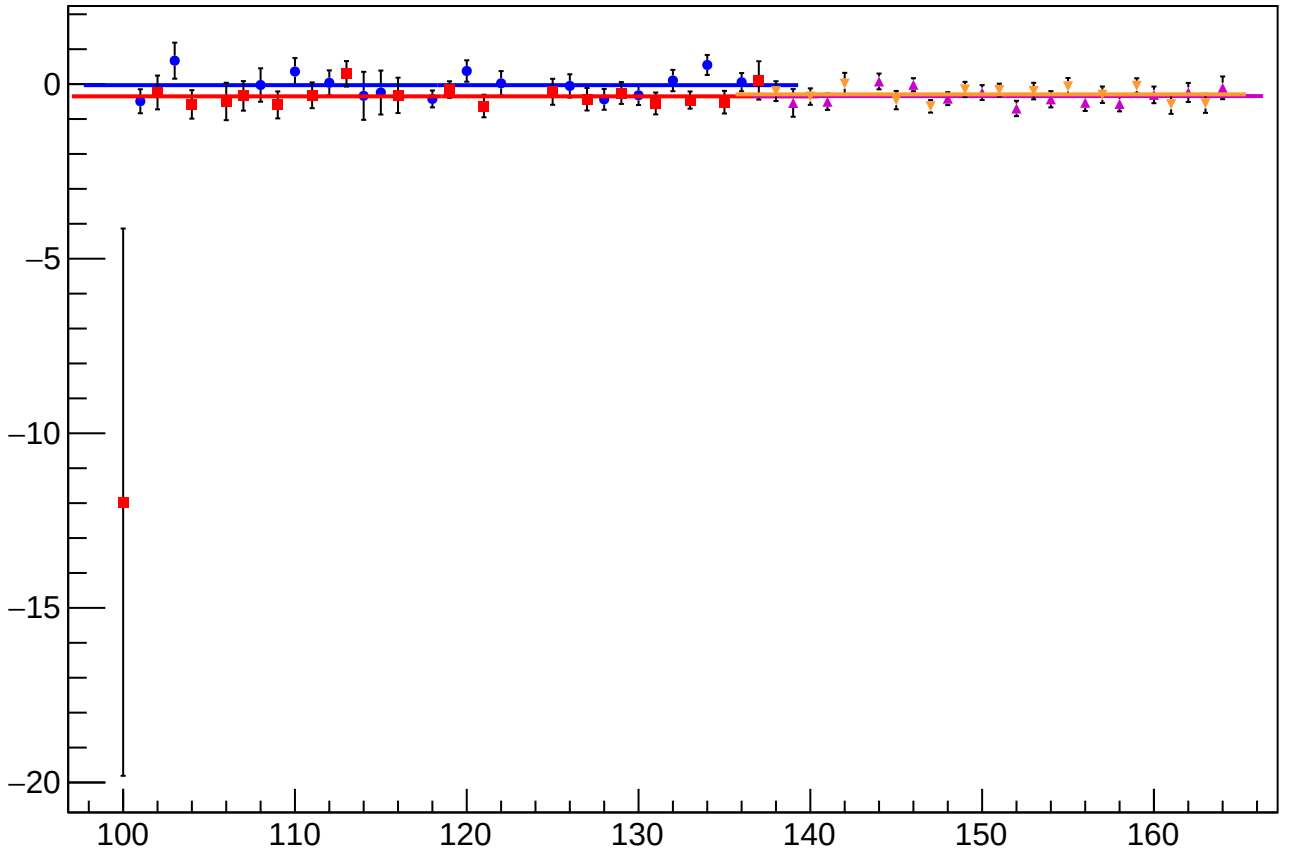
Left: -0.161+/-0.055 χ^2/NDF: 30.1/25

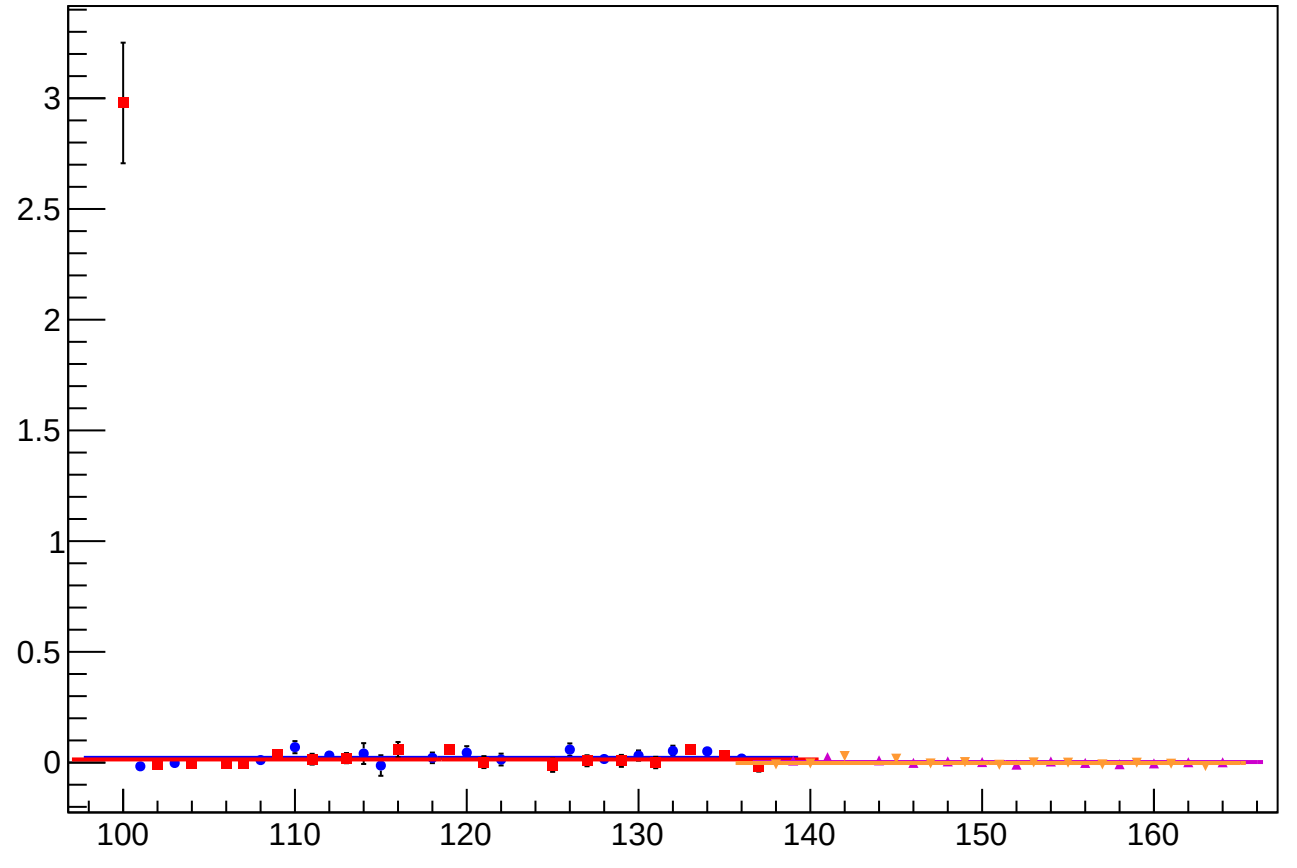
Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: -0.010+/-0.055 χ^2/NDF:34.5/28

Out: -0.050+/-0.056 χ^2/NDF:132.6/30

All: -0.030+/-0.039 χ^2/NDF: 167.3/59


reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
100
110
120
130
140
150
160
Right In: -0.030+/-0.084 χ²/NDF: 16.8/15
Left Out: -0.293+/-0.065 χ²/NDF:10.3/12
Right Out: -0.350+/-0.085 χ²/NDF: 9.4/17
Left In: -0.343+/-0.064 χ²/NDF:12.7/12
Left: -0.318+/-0.046 χ²/NDF: 23.3/25
Right: -0.188+/-0.060 χ²/NDF: 33.4/33
In: -0.227+/-0.051 χ²/NDF:38.2/28
Out: -0.314+/-0.052 χ²/NDF:20.1/30
All: -0.270+/-0.036 χ²/NDF: 59.7/59



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.002+/-0.003 χ^2/NDF:9.9/12

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.002+/-0.003 χ^2/NDF:8.2/12

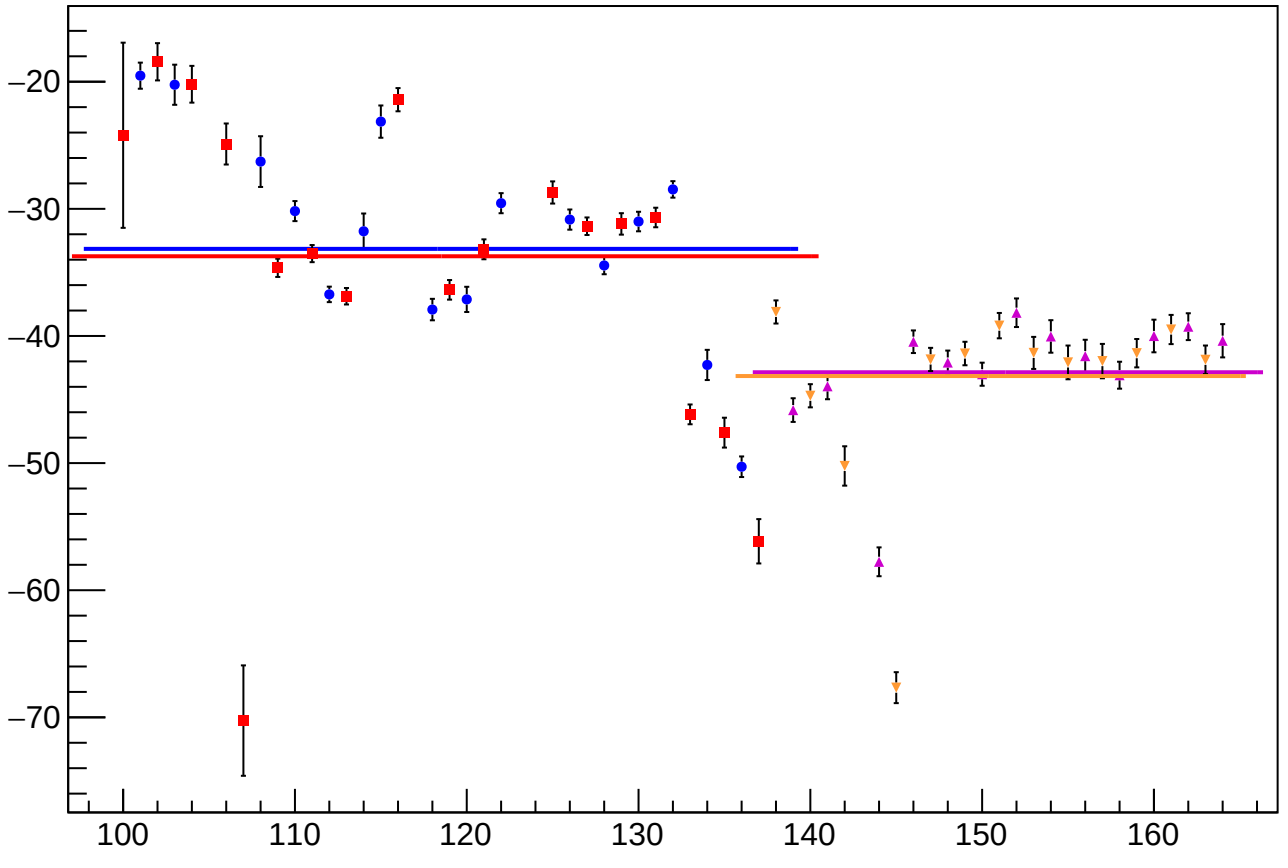
Left: 0.000+/-0.002 χ^2/NDF: 19.3/25

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.007+/-0.002 χ^2/NDF:42.0/28

Out: 0.002+/-0.003 χ^2/NDF:158.7/30

All: 0.005+/-0.002 χ^2/NDF: 202.7/59



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -43.153+/-0.302 χ^2/NDF:498.9/12

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -42.854+/-0.295 χ^2/NDF:235.5/12

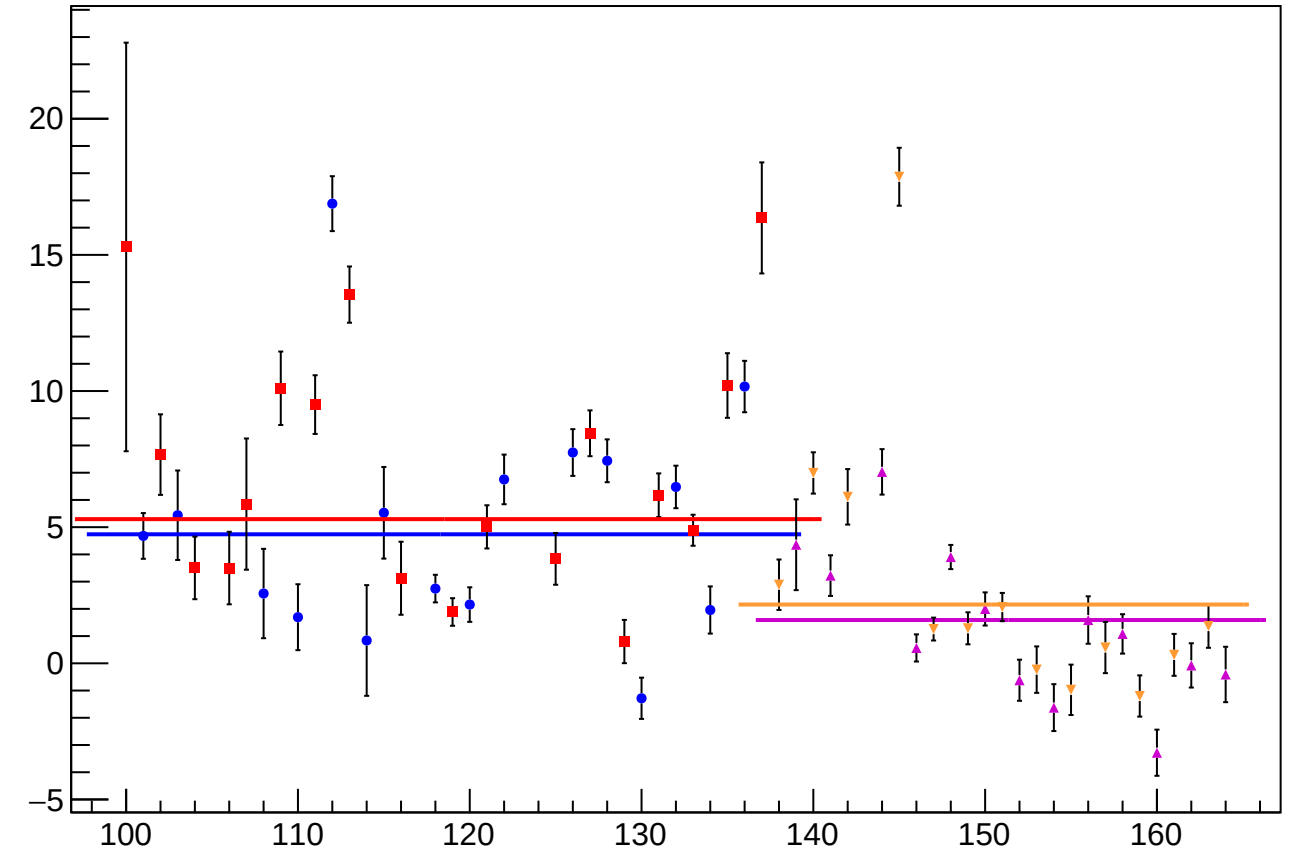
Left: -43.000+/-0.211 χ^2/NDF: 734.9/25

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.574+/-0.175 χ^2/NDF:1949.4/28

Out: -36.900+/-0.175 χ^2/NDF:2294.3/30

All: -36.738+/-0.124 χ^2/NDF: 4245.5/59



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.159+/-0.197 χ^2/NDF:329.7/12

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.590+/-0.198 χ^2/NDF:146.0/12

Left: 1.875+/-0.140 χ^2/NDF: 479.8/25

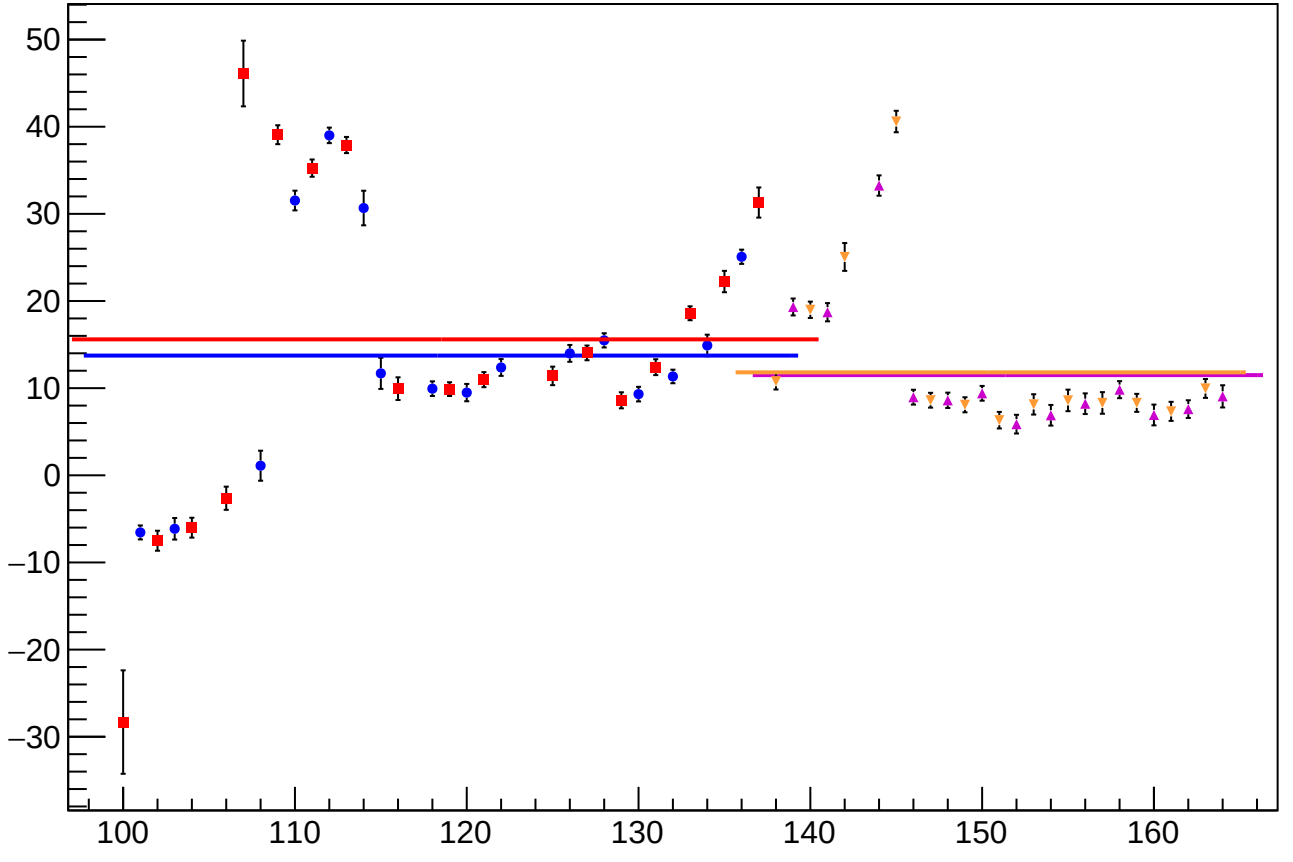
Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 3.002+/-0.147 χ^2/NDF:589.3/28

Out: 3.533+/-0.148 χ^2/NDF:685.5/30

All: 3.266+/-0.104 χ^2/NDF: 1281.3/59

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 11.814+/-0.291 χ^2/NDF:796.1/12

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 11.495+/-0.284 χ^2/NDF:571.7/12

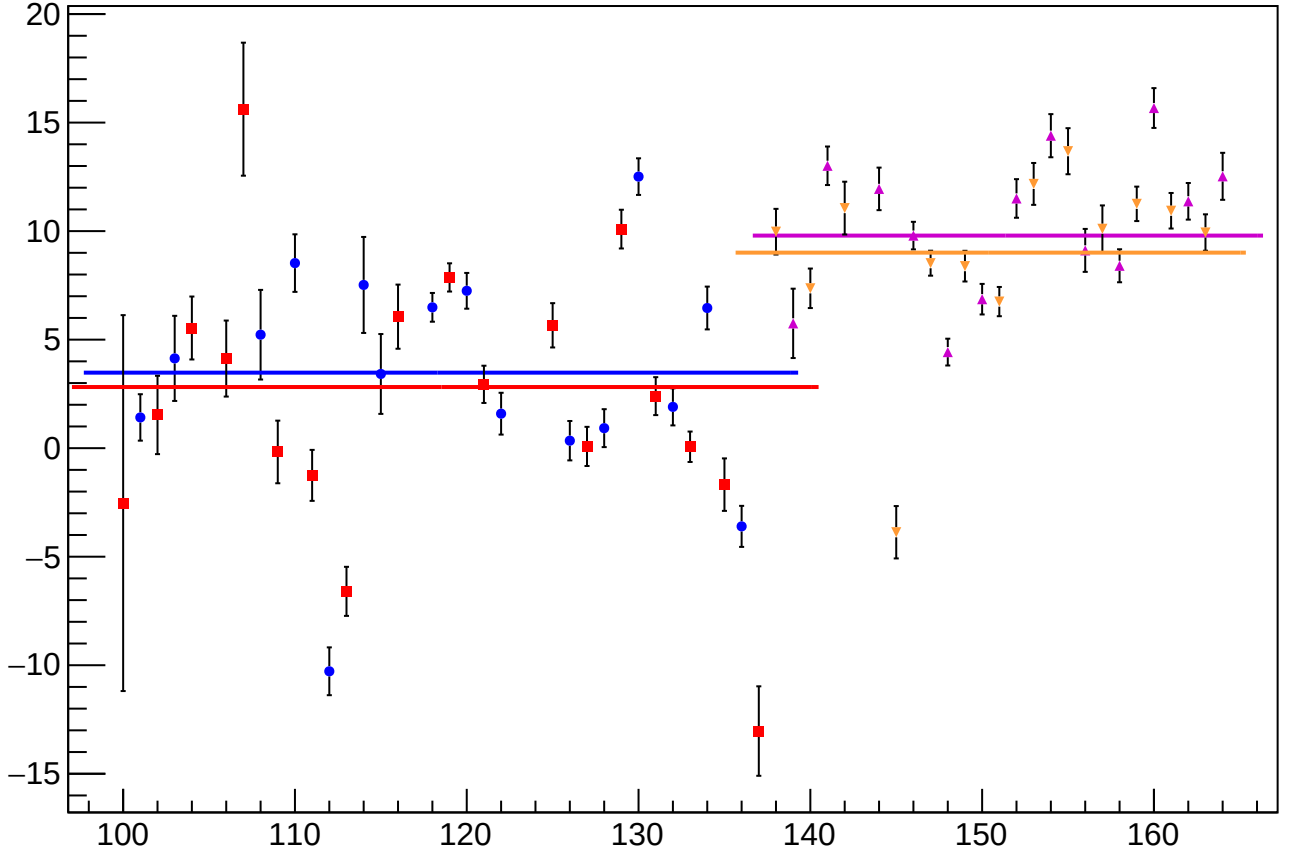
Left: 11.651+/-0.203 χ^2/NDF: 1368.4/25

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 12.773+/-0.186 χ^2/NDF:2957.1/28

Out: 13.992+/-0.190 χ^2/NDF:3719.6/30

All: 13.372+/-0.133 χ^2/NDF: 6697.8/59



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.009+/-0.236 χ^2/NDF:179.7/12

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.794+/-0.234 χ^2/NDF:197.1/12

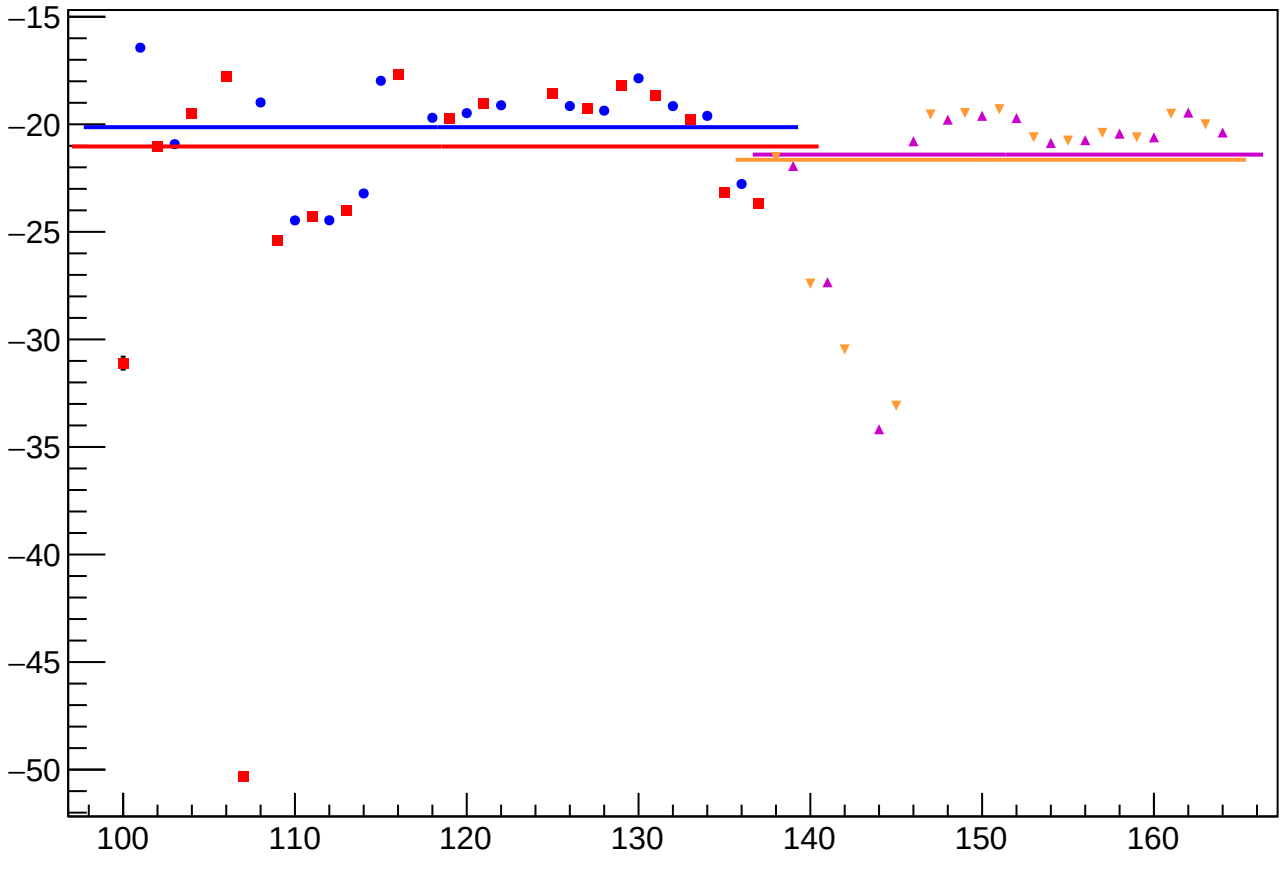
Left: 9.404+/-0.166 χ^2/NDF: 382.4/25

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 6.894+/-0.172 χ^2/NDF:959.8/28

Out: 6.185+/-0.174 χ^2/NDF:840.0/30

All: 6.543+/-0.122 χ^2/NDF: 1808.3/59



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -21.649+/-0.011 χ^2/NDF:110974.9/12

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -21.408+/-0.011 χ^2/NDF:90596.7/12

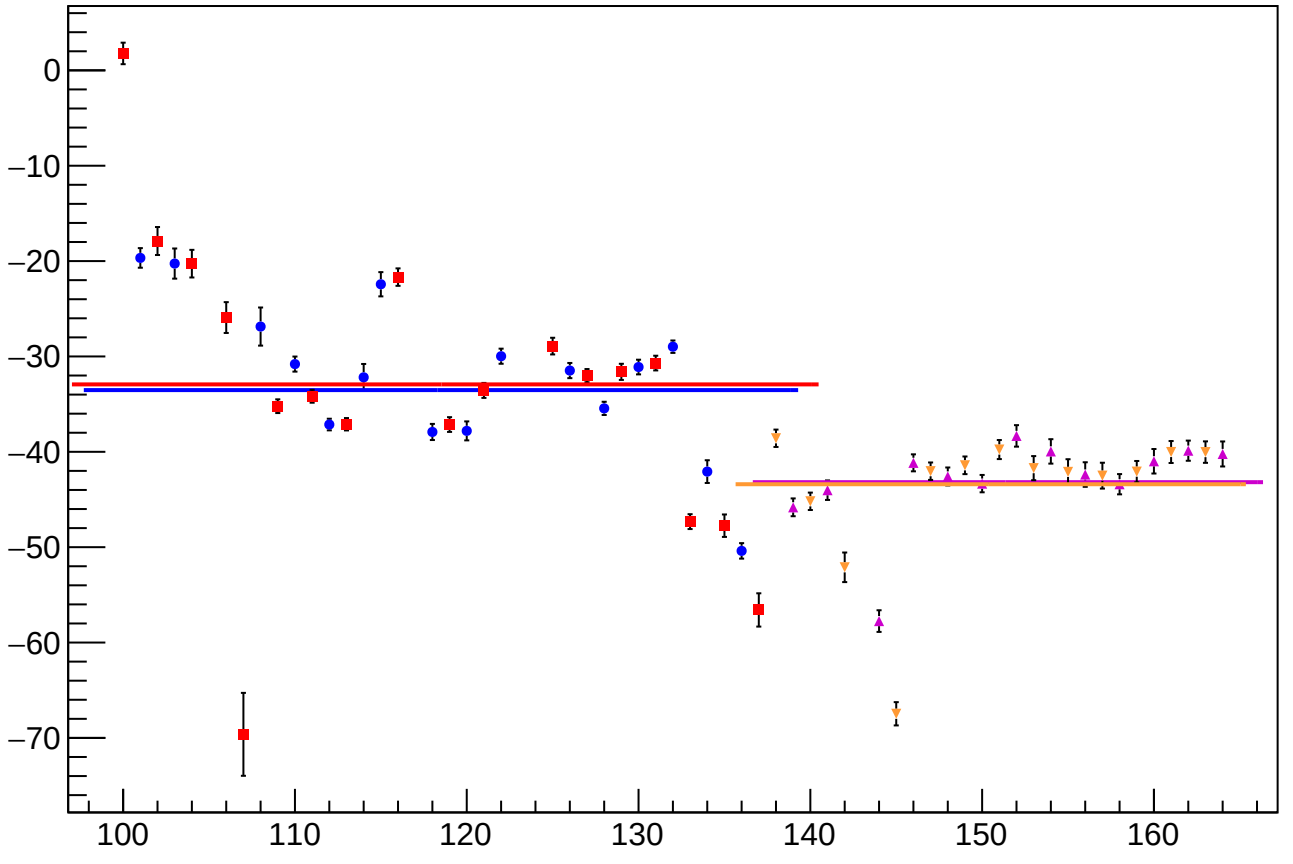
Left: -21.524+/-0.008 χ^2/NDF: 201813.9/25

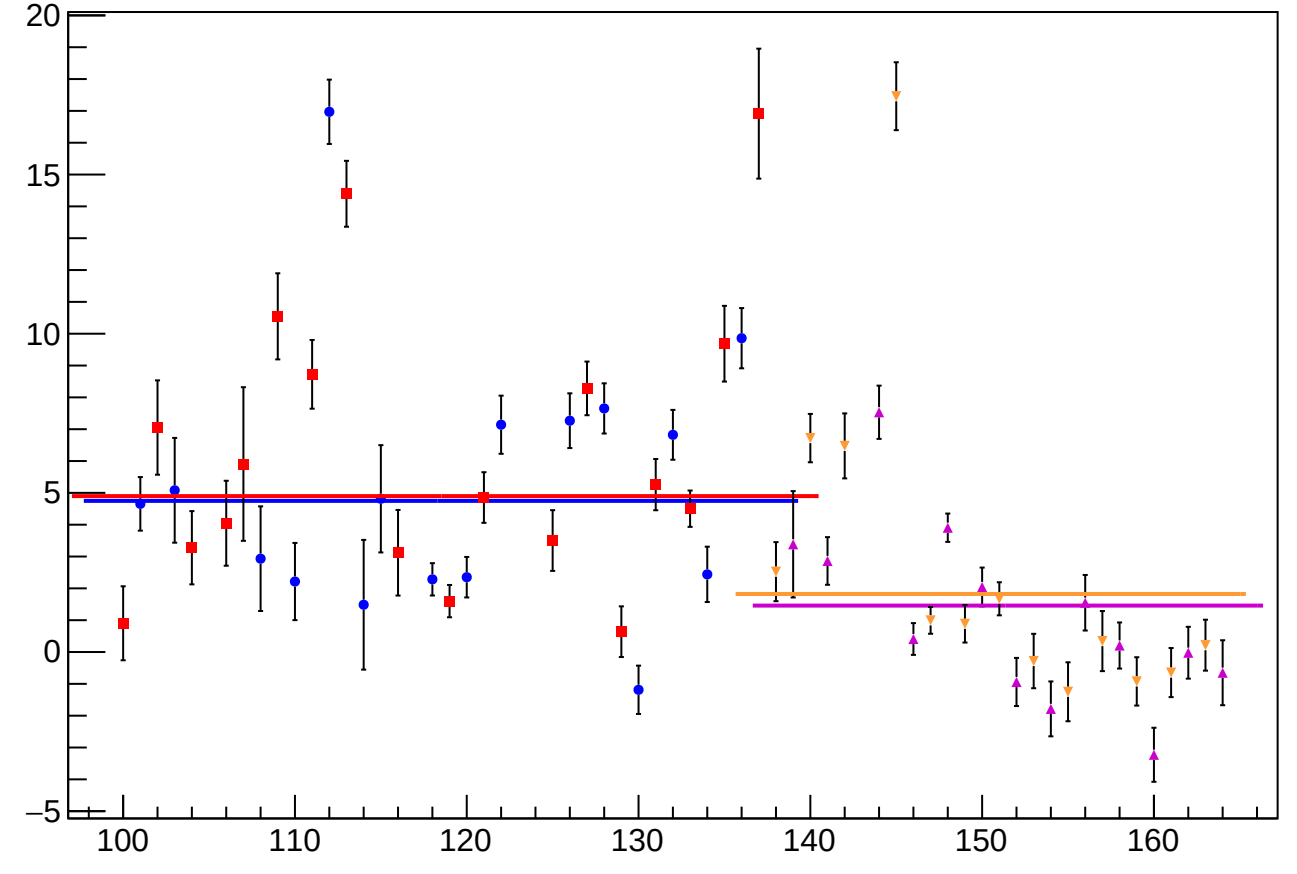
Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -21.012+/-0.009 χ^2/NDF:114798.9/28

Out: -21.454+/-0.009 χ^2/NDF:169466.4/30

All: -21.226+/-0.006 χ^2/NDF: 285450.8/59


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -43.399+/-0.302 χ²/NDF:494.8/12
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -43.183+/-0.296 χ²/NDF:221.9/12
Left: -43.289+/-0.211 χ²/NDF: 716.9/25
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.938+/-0.176 χ²/NDF:1920.5/28
Out: -36.373+/-0.173 χ²/NDF:3469.5/30
All: -36.652+/-0.123 χ²/NDF: 5395.2/59



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.824+/-0.198 χ^2/NDF:331.3/12

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.459+/-0.198 χ^2/NDF:158.5/12

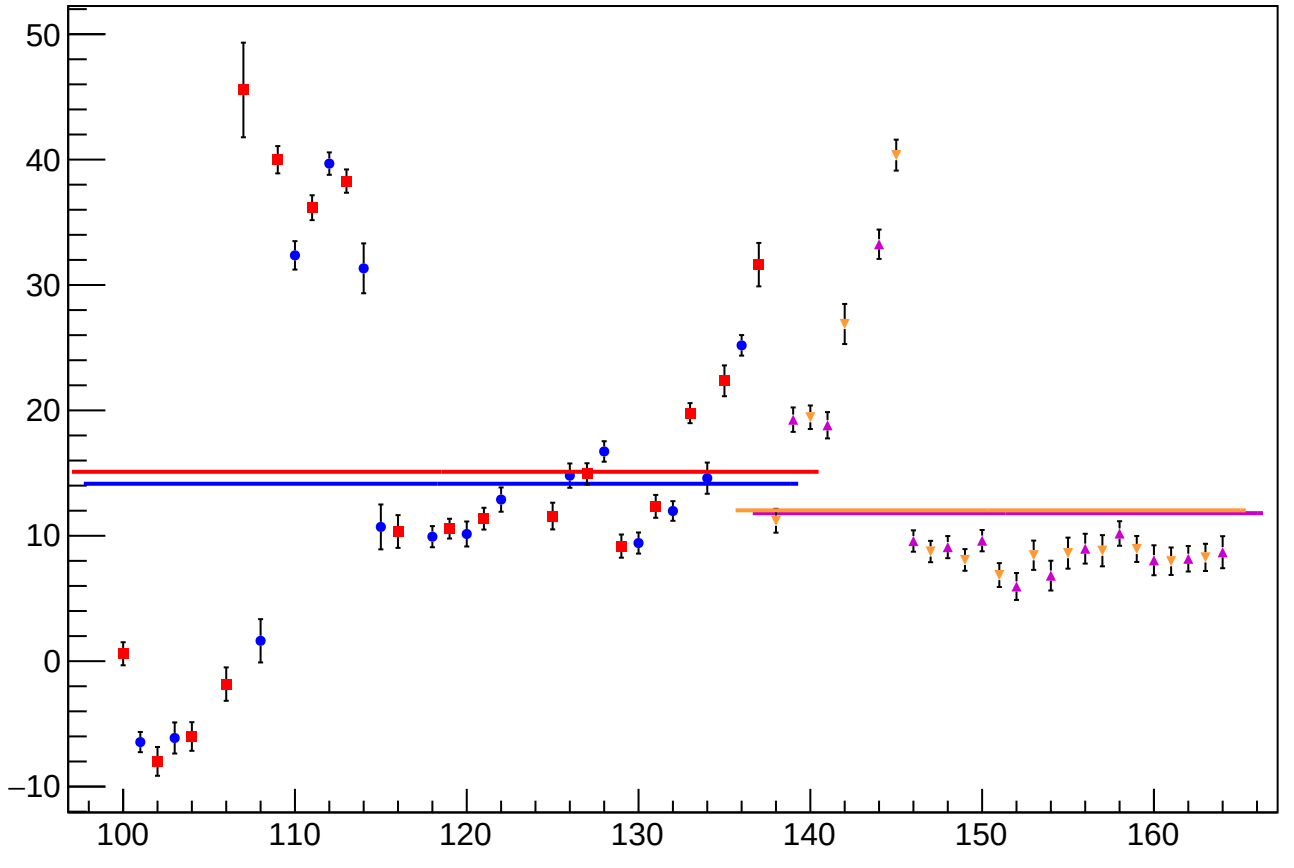
Left: 1.642+/-0.140 χ^2/NDF: 491.5/25

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.934+/-0.147 χ^2/NDF:607.9/28

Out: 3.197+/-0.147 χ^2/NDF:712.5/30

All: 3.065+/-0.104 χ^2/NDF: 1322.0/59



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 12.029+/-0.292 χ^2/NDF:799.2/12

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 11.805+/-0.285 χ^2/NDF:547.0/12

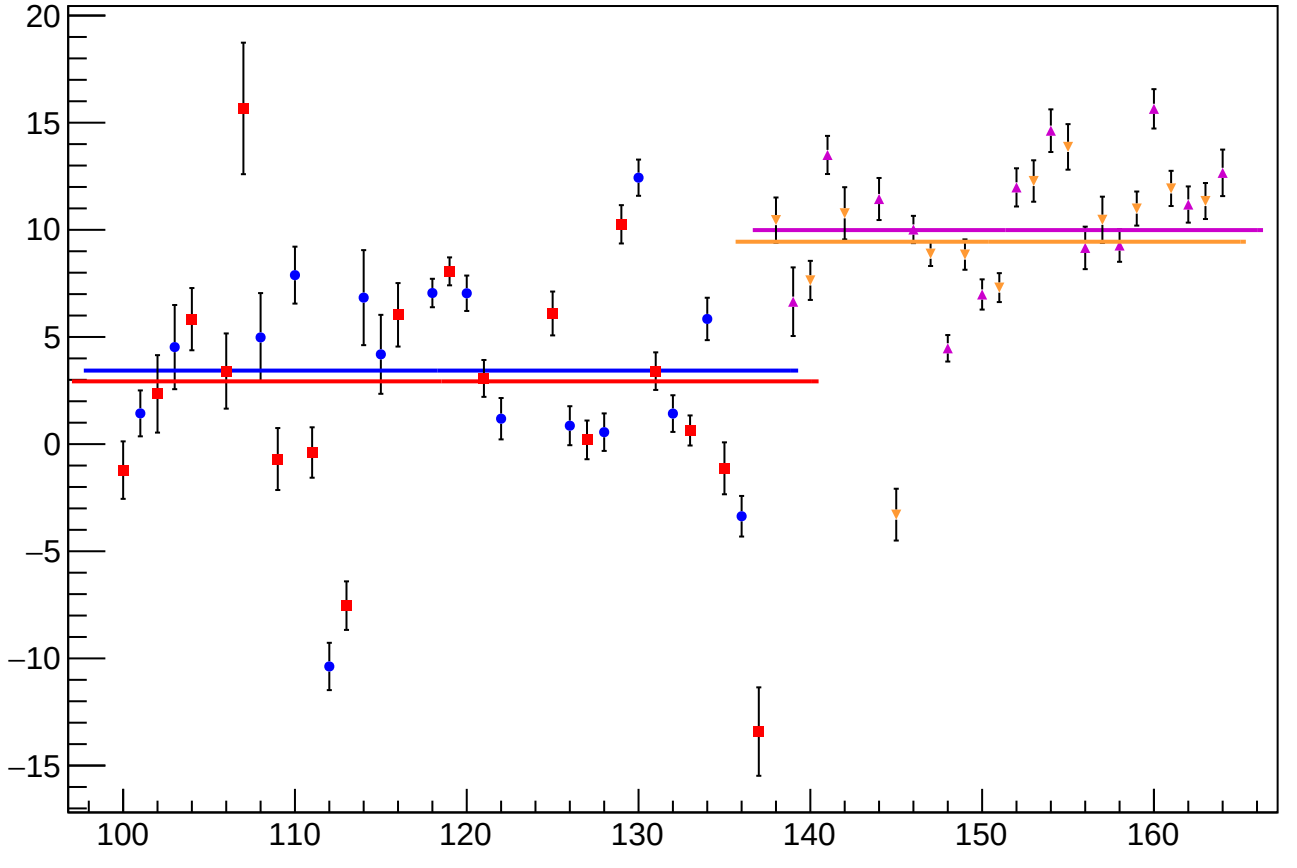
Left: 11.914+/-0.204 χ^2/NDF: 1346.5/25

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 13.141+/-0.187 χ^2/NDF:2988.1/28

Out: 13.850+/-0.186 χ^2/NDF:3967.3/30

All: 13.496+/-0.132 χ^2/NDF: 6962.5/59



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.445+/-0.236 χ^2/NDF:173.6/12

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.988+/-0.234 χ^2/NDF:194.0/12

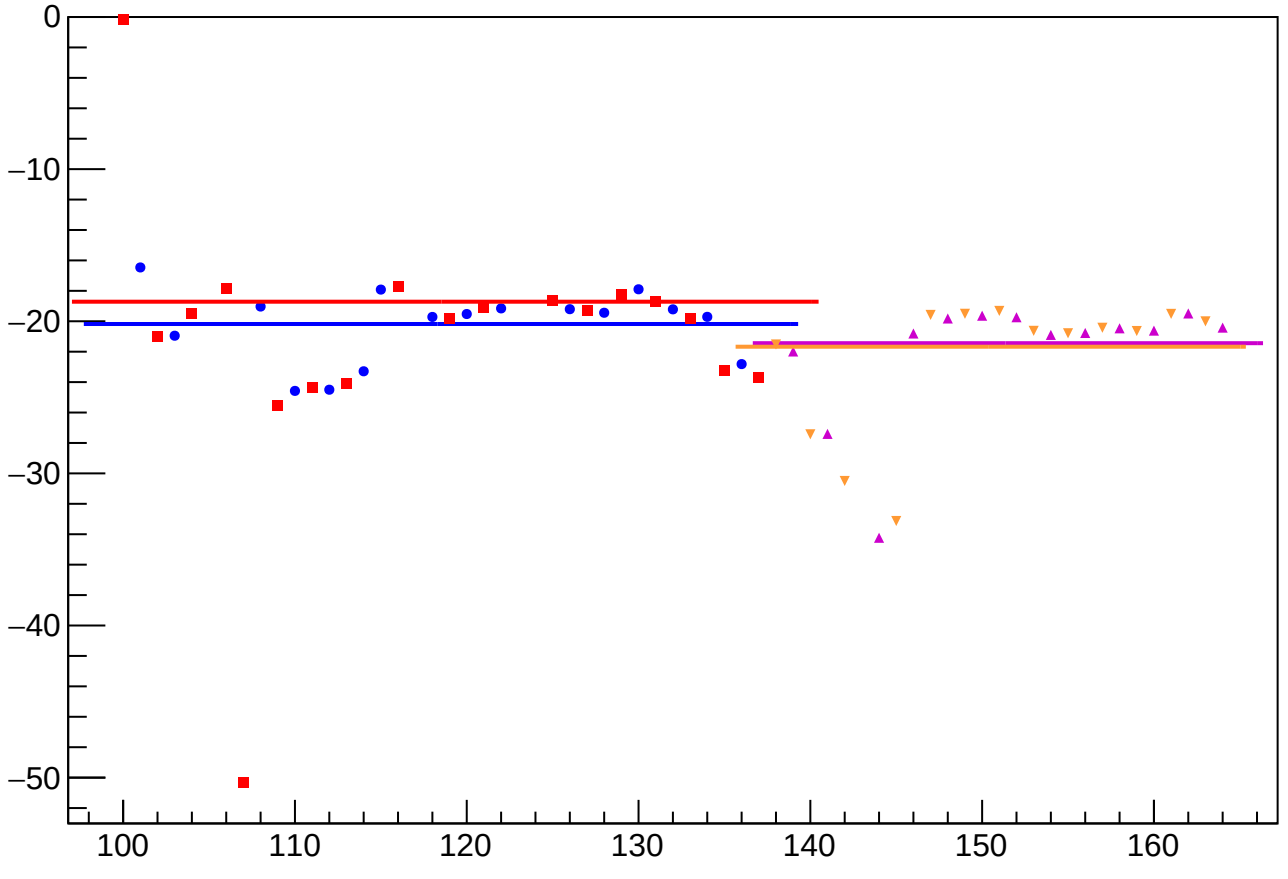
Left: 9.718+/-0.166 χ^2/NDF: 370.3/25

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 6.978+/-0.172 χ^2/NDF:977.8/28

Out: 6.417+/-0.173 χ^2/NDF:895.5/30

All: 6.698+/-0.122 χ^2/NDF: 1878.5/59



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.673+/-0.011 χ^2/NDF:110810.2/12

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -21.441+/-0.011 χ^2/NDF:90766.2/12

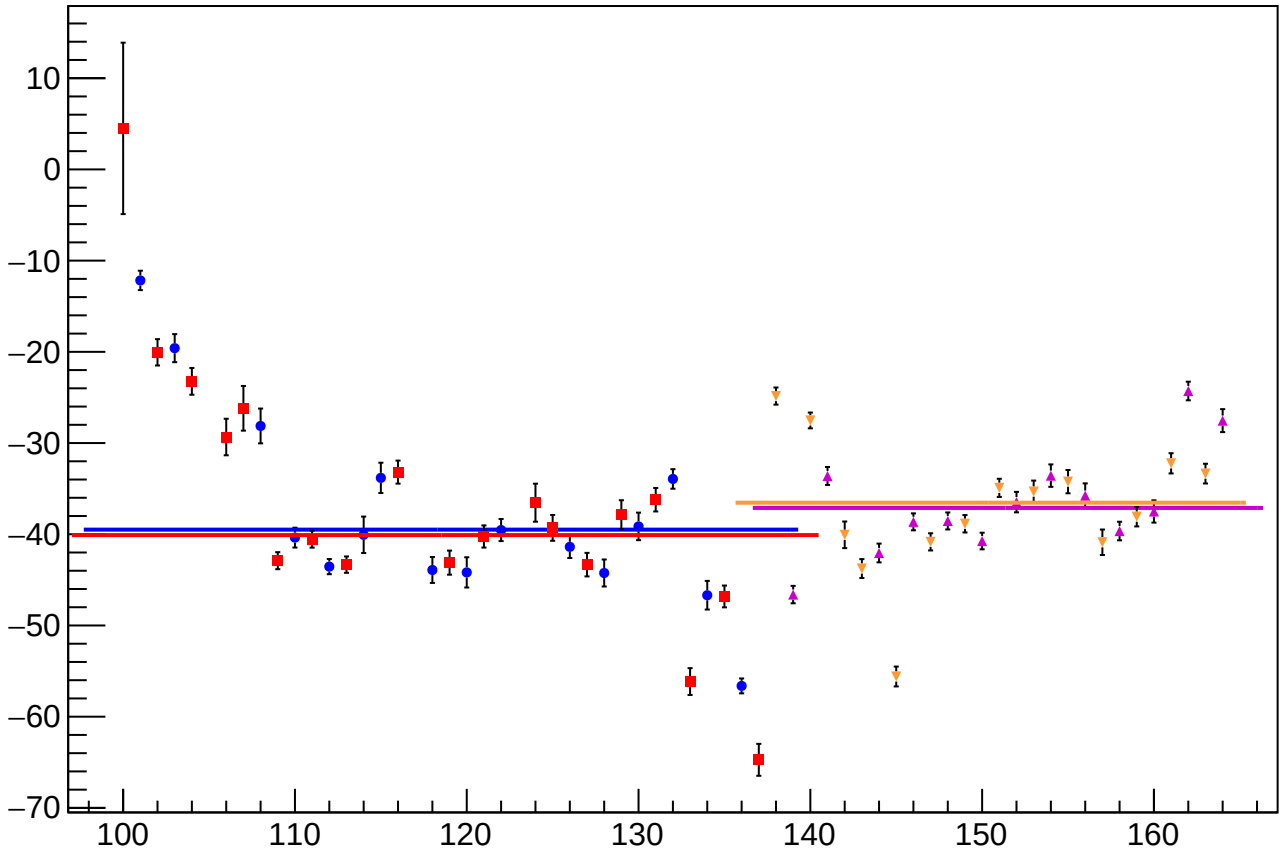
Left: -21.553+/-0.008 χ^2/NDF: 201800.7/25

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.050+/-0.009 χ^2/NDF:114879.1/28

Out: -20.668+/-0.009 χ^2/NDF:369336.7/30

All: -20.862+/-0.006 χ^2/NDF: 485117.9/59



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -36.538+/-0.285 χ^2/NDF:693.1/13

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -37.114+/-0.291 χ^2/NDF:386.9/12

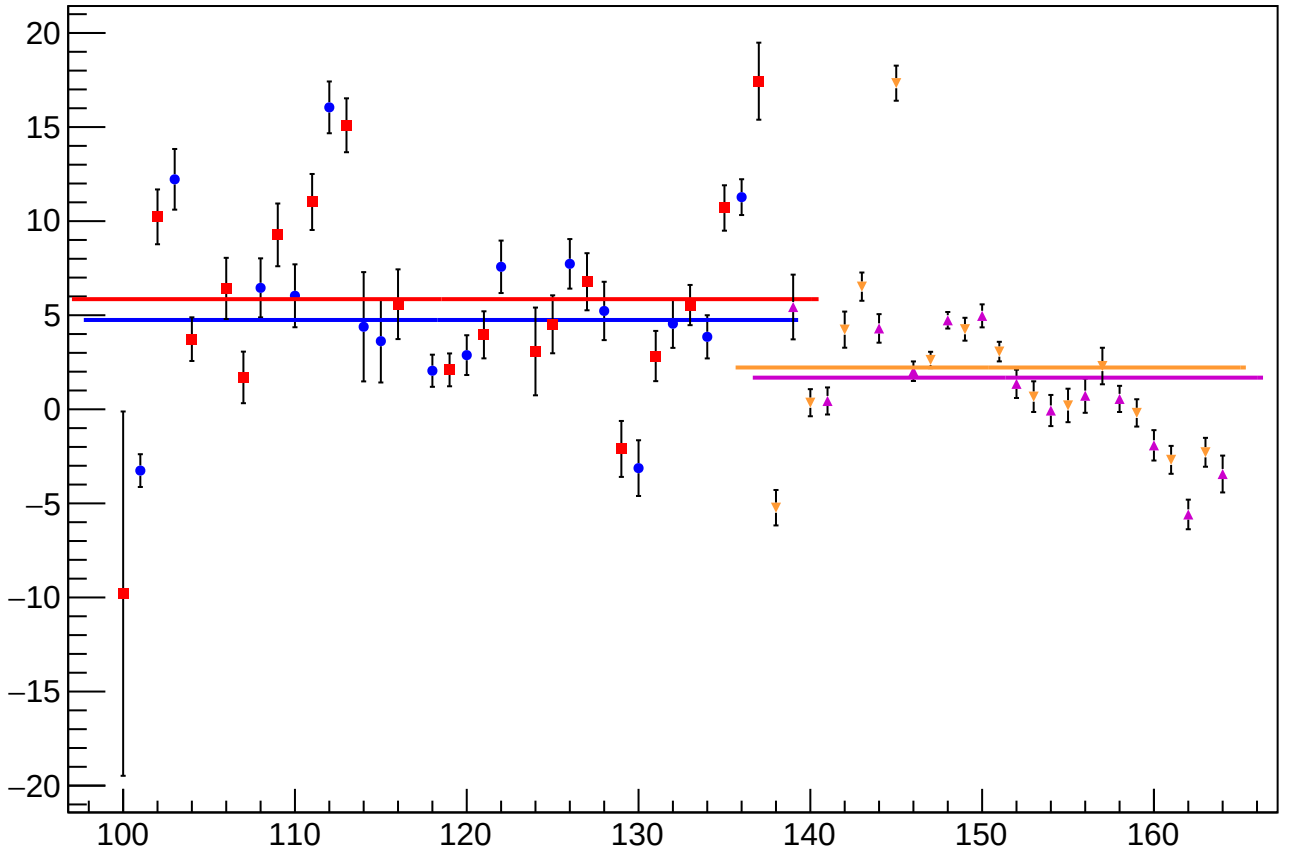
Left: -36.820+/-0.204 χ^2/NDF: 1082.0/26

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -38.225+/-0.212 χ^2/NDF:1835.2/28

Out: -38.182+/-0.209 χ^2/NDF:1599.9/32

All: -38.203+/-0.149 χ^2/NDF: 3435.1/61



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 2.222+/-0.189 χ^2/NDF:481.9/13

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 1.682+/-0.195 χ^2/NDF:238.1/12

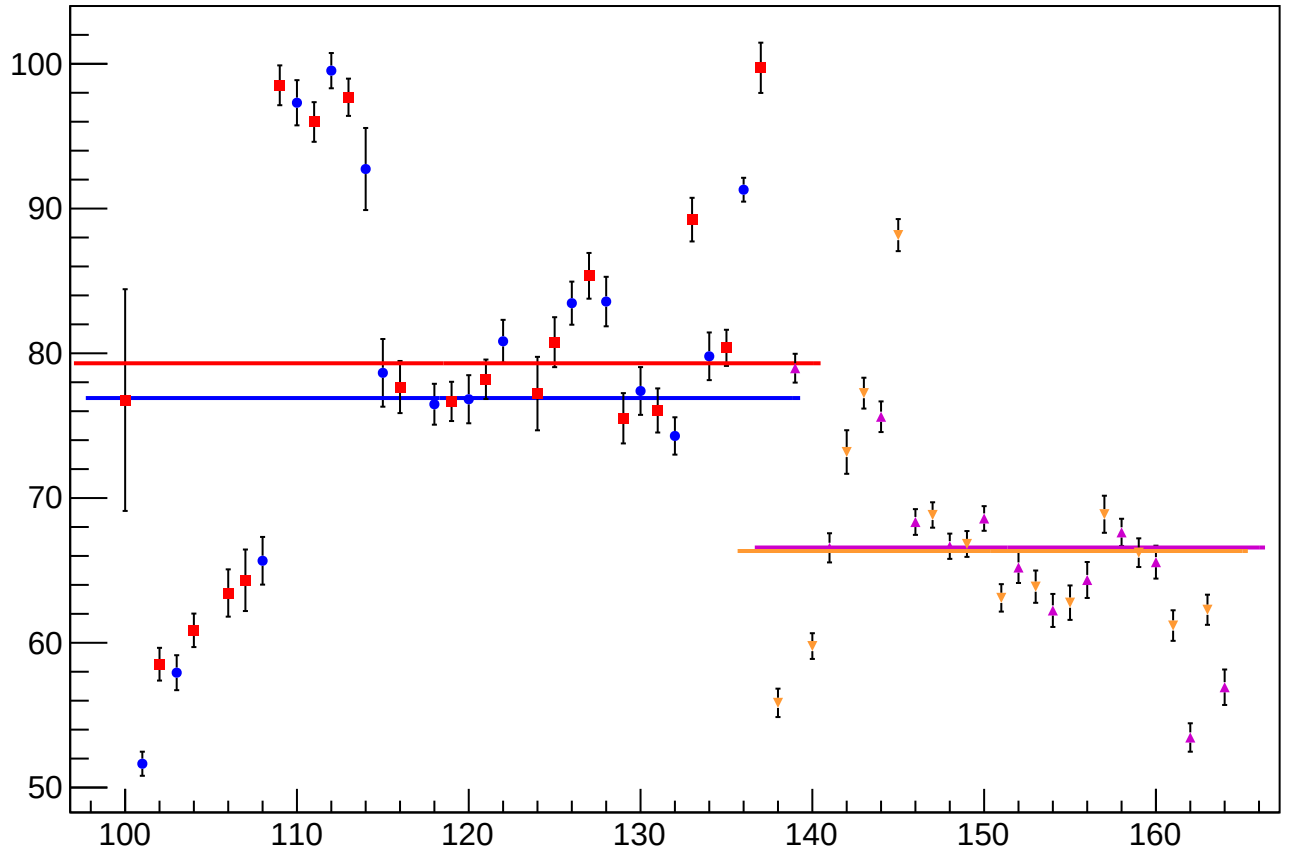
Left: 1.961+/-0.136 χ^2/NDF: 723.9/26

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 2.529+/-0.166 χ^2/NDF:580.1/28

Out: 3.144+/-0.163 χ^2/NDF:763.3/32

All: 2.842+/-0.116 χ^2/NDF: 1350.4/61



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 66.341+/-0.277 χ^2/NDF:759.0/13

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 66.583+/-0.280 χ^2/NDF:499.4/12

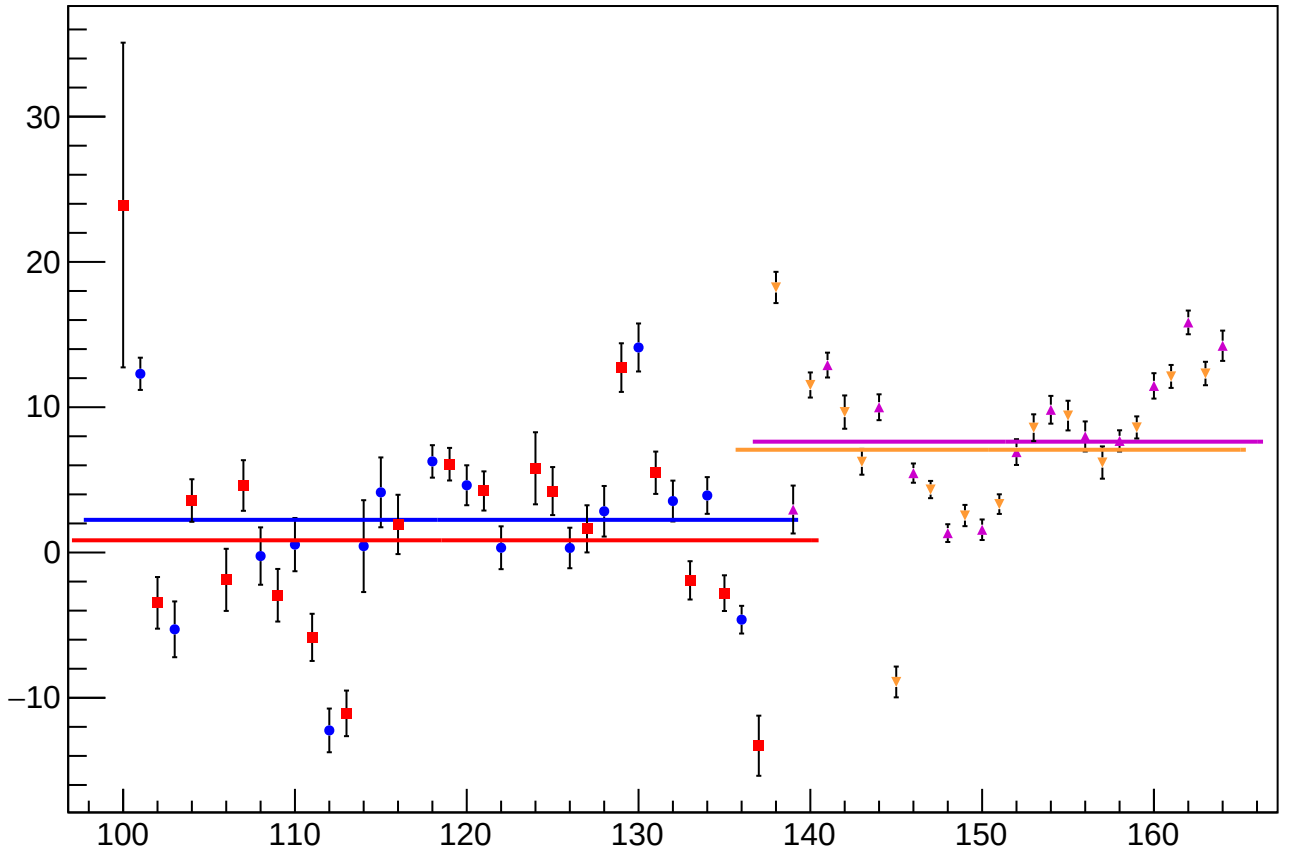
Left: 66.461+/-0.197 χ^2/NDF: 1258.8/26

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 70.805+/-0.215 χ^2/NDF:3170.9/28

Out: 71.367+/-0.217 χ^2/NDF:3106.7/32

All: 71.085+/-0.153 χ^2/NDF: 6281.0/61



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 7.072+/-0.225 χ^2/NDF:554.2/13

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 7.628+/-0.230 χ^2/NDF:409.7/12

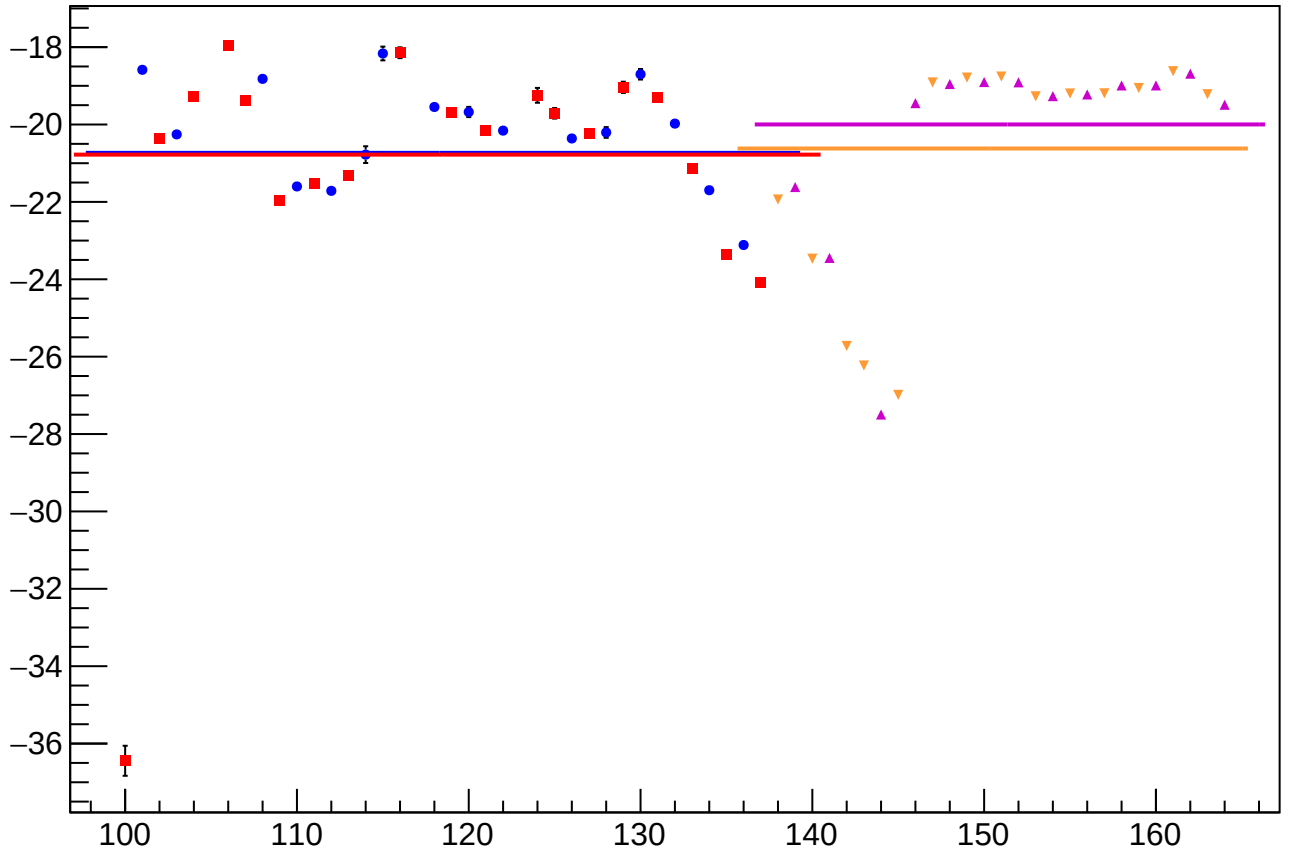
Left: 7.343+/-0.161 χ^2/NDF: 966.9/26

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 6.085+/-0.194 χ^2/NDF:885.9/28

Out: 5.409+/-0.192 χ^2/NDF:1016.1/32

All: 5.743+/-0.137 χ^2/NDF: 1908.1/61



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.620+/-0.011 χ^2/NDF:67105.3/13

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.998+/-0.011 χ^2/NDF:40684.4/12

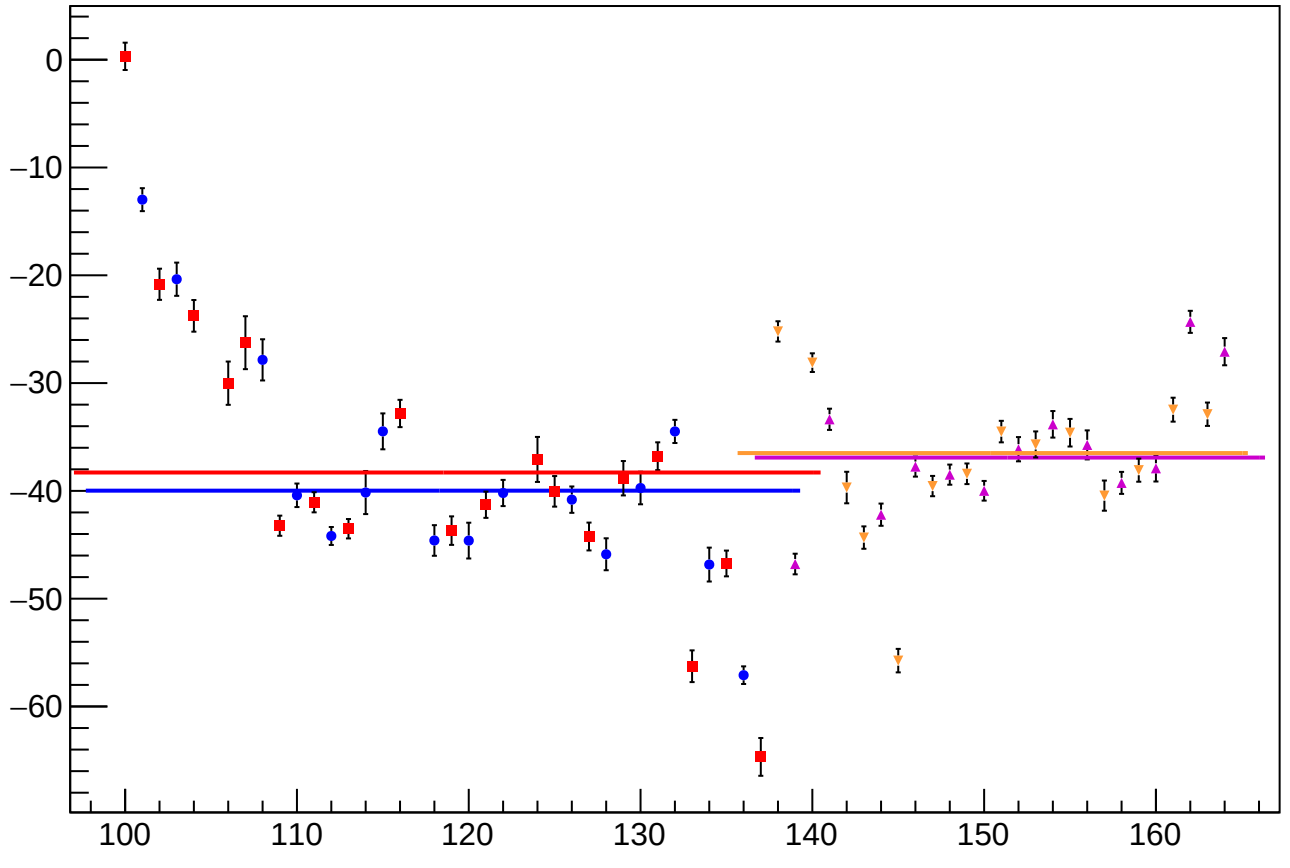
Left: -20.308+/-0.008 χ^2/NDF: 109503.0/26

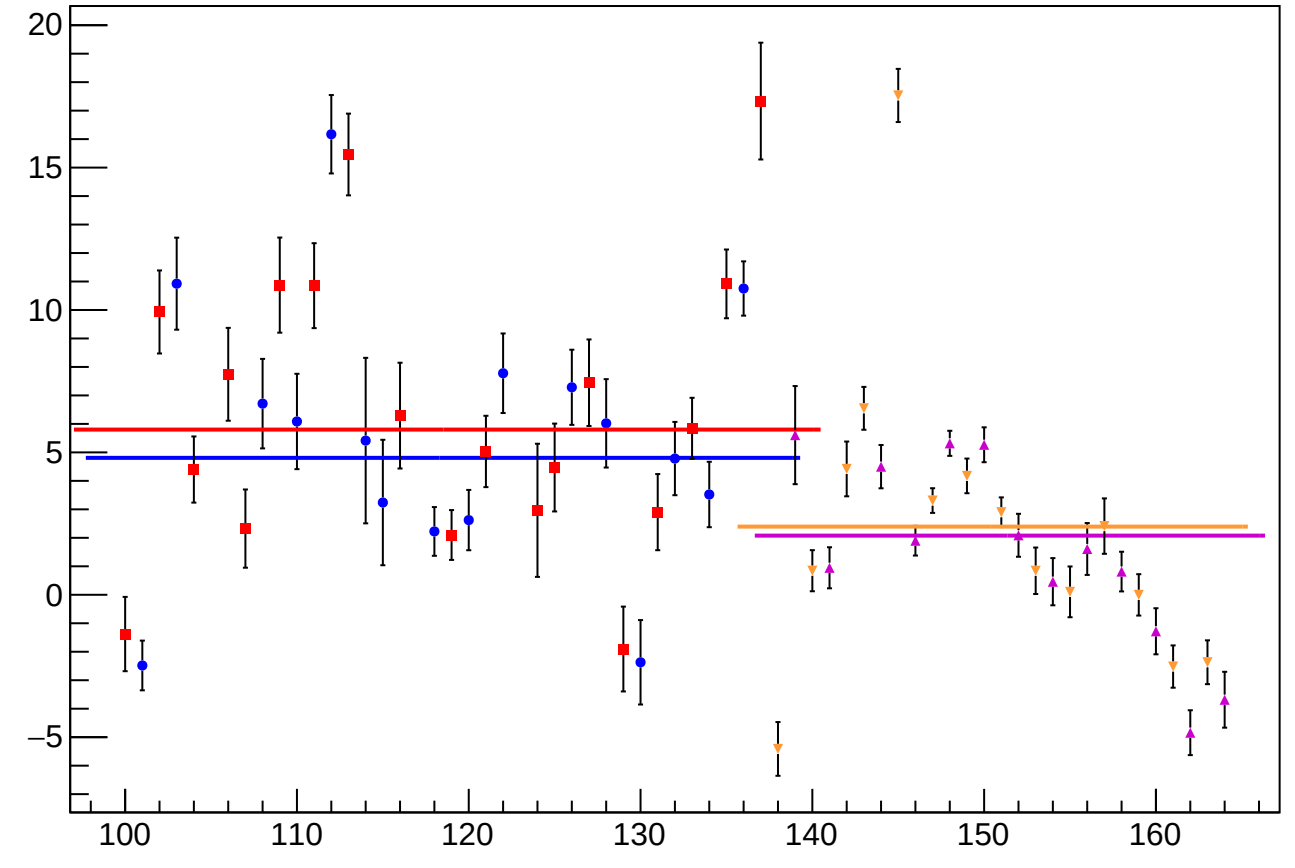
Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

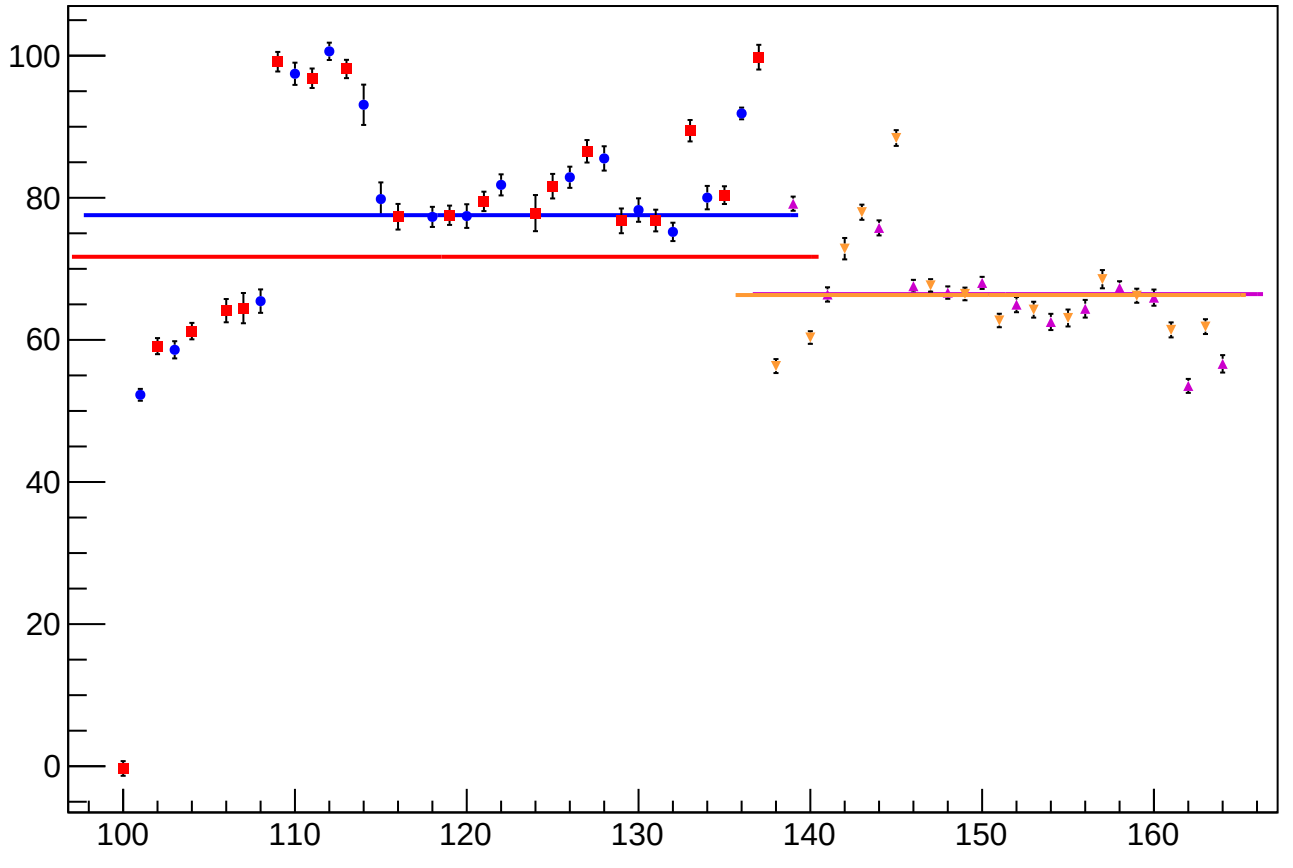
In: -20.167+/-0.009 χ^2/NDF:49419.7/28

Out: -20.654+/-0.009 χ^2/NDF:76580.2/32

All: -20.408+/-0.007 χ^2/NDF: 127356.2/61


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
Right In: -39.979+/-0.311 χ²/NDF: 1398.4/15
Left Out: -36.491+/-0.286 χ²/NDF:666.4/13
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -36.910+/-0.291 χ²/NDF:386.7/12
Left: -36.696+/-0.204 χ²/NDF: 1054.2/26
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -38.344+/-0.213 χ²/NDF:1837.0/28
Out: -37.352+/-0.207 χ²/NDF:2459.2/32
All: -37.834+/-0.148 χ²/NDF: 4307.4/61


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 2.394+/-0.189 χ²/NDF:488.1/13
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 2.077+/-0.196 χ²/NDF:234.5/12
Left: 2.241+/-0.136 χ²/NDF: 724.0/26
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 2.832+/-0.166 χ²/NDF:528.9/28
Out: 3.297+/-0.162 χ²/NDF:790.5/32
All: 3.070+/-0.116 χ²/NDF: 1323.4/61



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 66.314+/-0.277 χ^2/NDF:753.0/13

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 66.443+/-0.281 χ^2/NDF:499.0/12

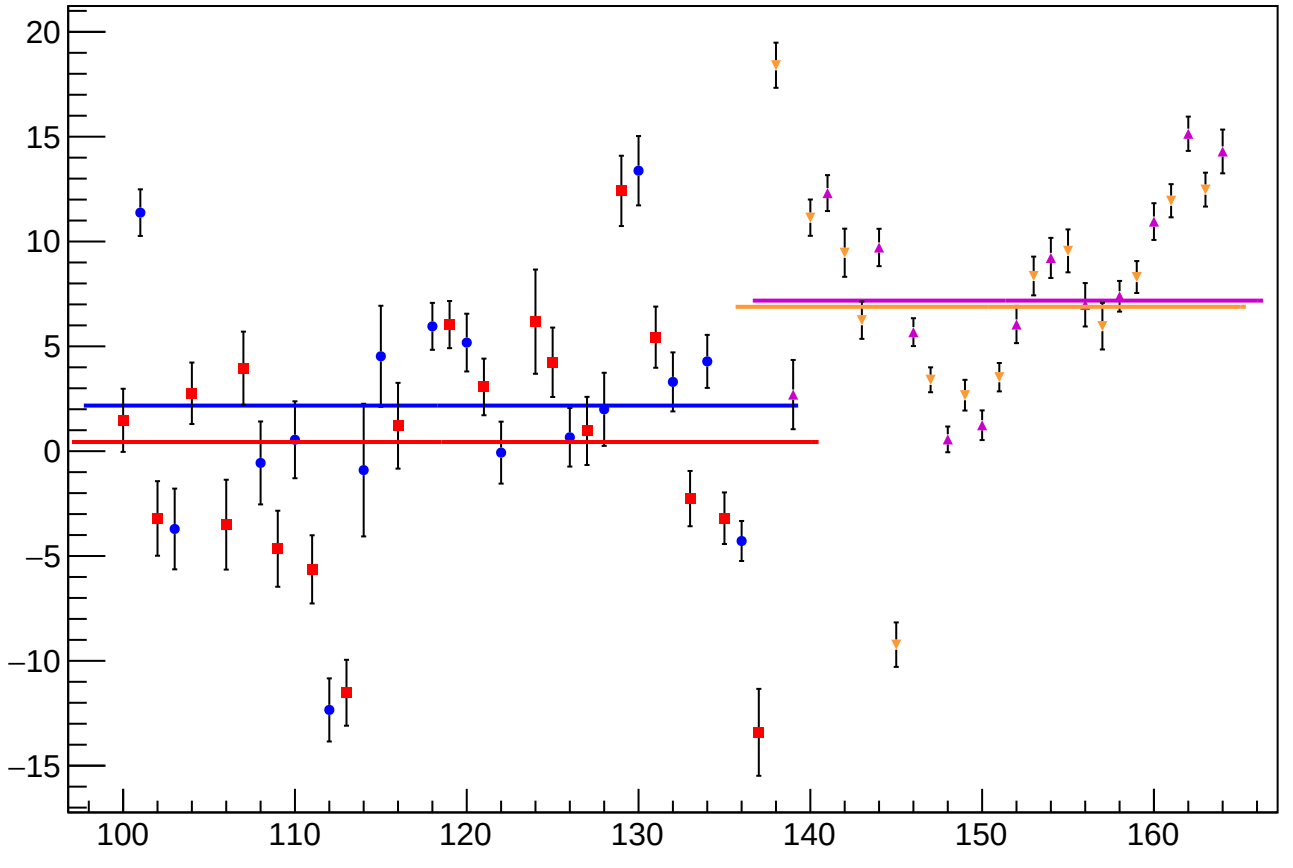
Left: 66.378+/-0.197 χ^2/NDF: 1252.1/26

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 70.988+/-0.216 χ^2/NDF:3258.2/28

Out: 68.538+/-0.212 χ^2/NDF:7812.4/32

All: 69.743+/-0.151 χ^2/NDF: 11136.1/61



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 6.886+/-0.225 χ^2/NDF:569.1/13

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 7.181+/-0.231 χ^2/NDF:409.5/12

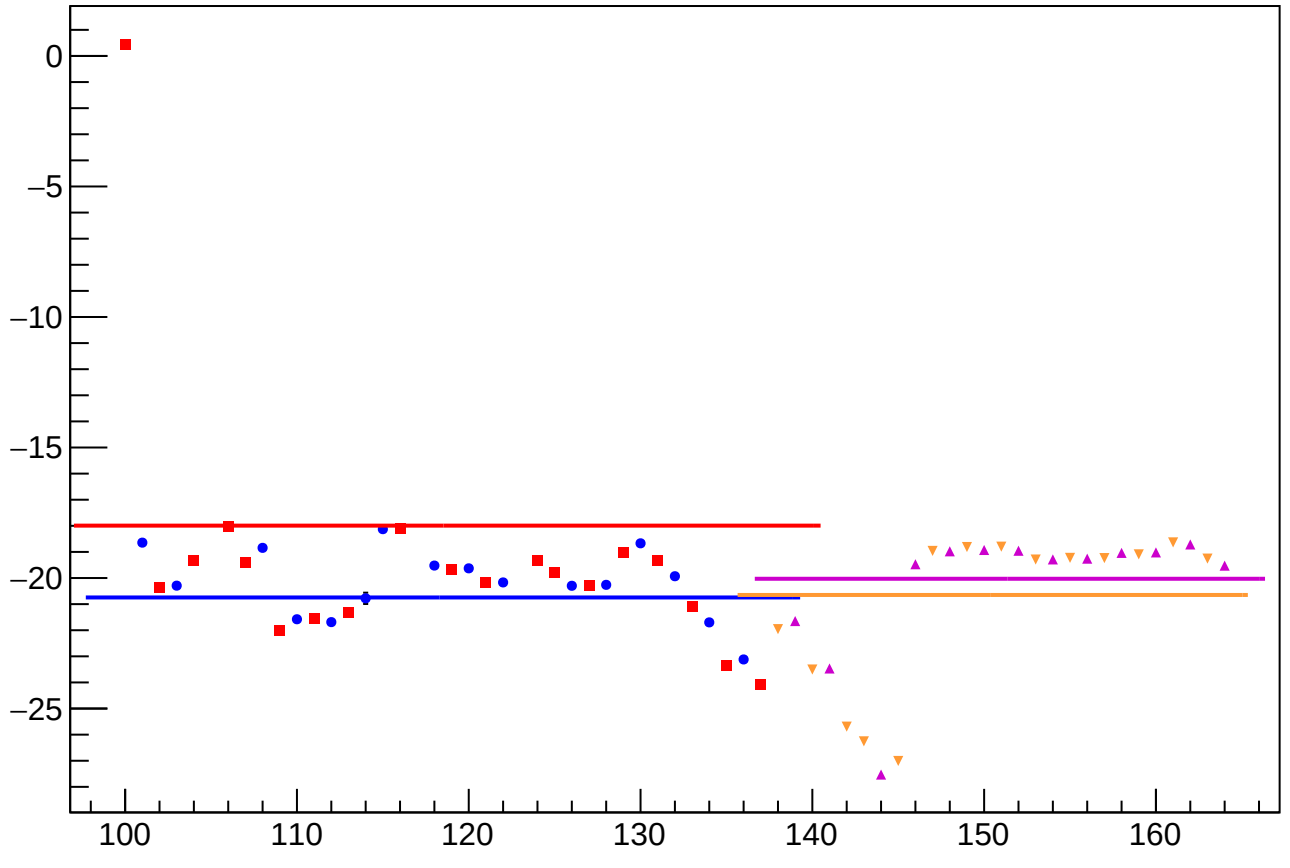
Left: 7.030+/-0.161 χ^2/NDF: 979.5/26

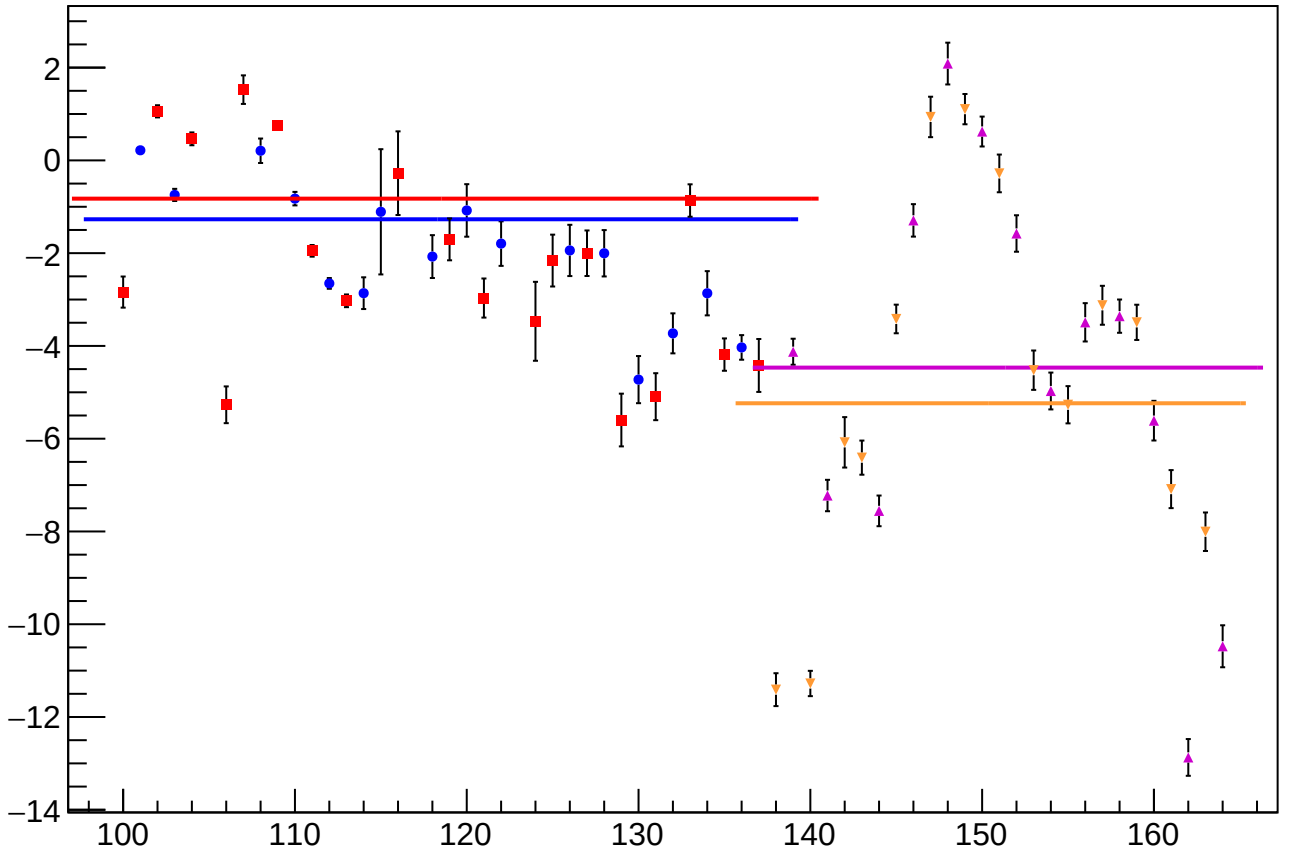
Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 5.744+/-0.195 χ^2/NDF:835.0/28

Out: 5.090+/-0.191 χ^2/NDF:1052.3/32

All: 5.411+/-0.136 χ^2/NDF: 1893.0/61


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
160
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -20.649+/-0.011 χ²/NDF:66632.1/13
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -20.029+/-0.011 χ²/NDF:40509.0/12
Left: -20.338+/-0.008 χ²/NDF: 108840.4/26
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -20.193+/-0.009 χ²/NDF:49066.1/28
Out: -20.007+/-0.009 χ²/NDF:232222.6/32
All: -20.100+/-0.007 χ²/NDF: 281488.3/61



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.236+/-0.100 χ^2/NDF:1682.0/13

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -4.468+/-0.102 χ^2/NDF:1402.6/12

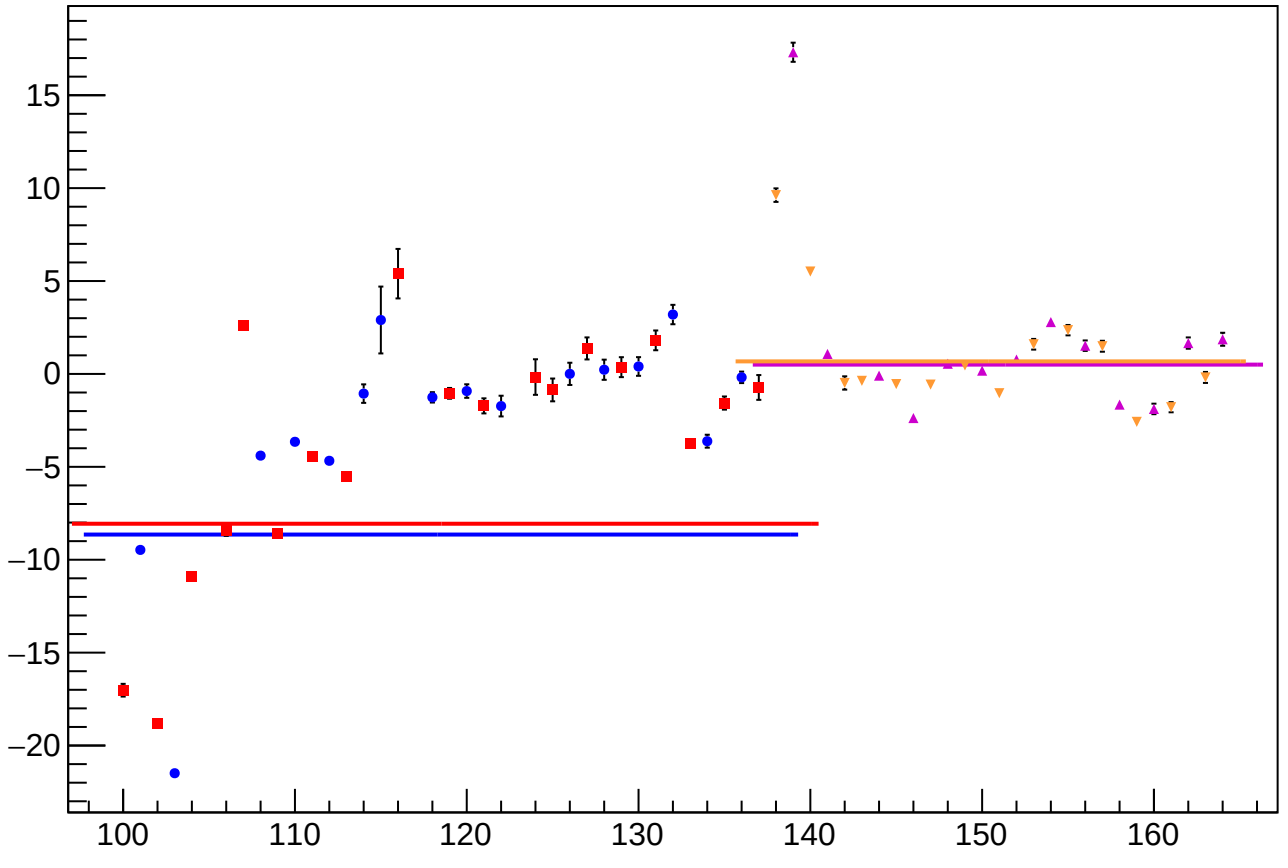
Left: -4.858+/-0.071 χ^2/NDF: 3113.5/26

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.982+/-0.048 χ^2/NDF:2785.6/28

Out: -1.733+/-0.045 χ^2/NDF:4604.0/32

All: -1.851+/-0.033 χ^2/NDF: 7403.9/61



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.675+/-0.070 χ^2/NDF:1494.8/13

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.501+/-0.073 χ^2/NDF:1526.2/12

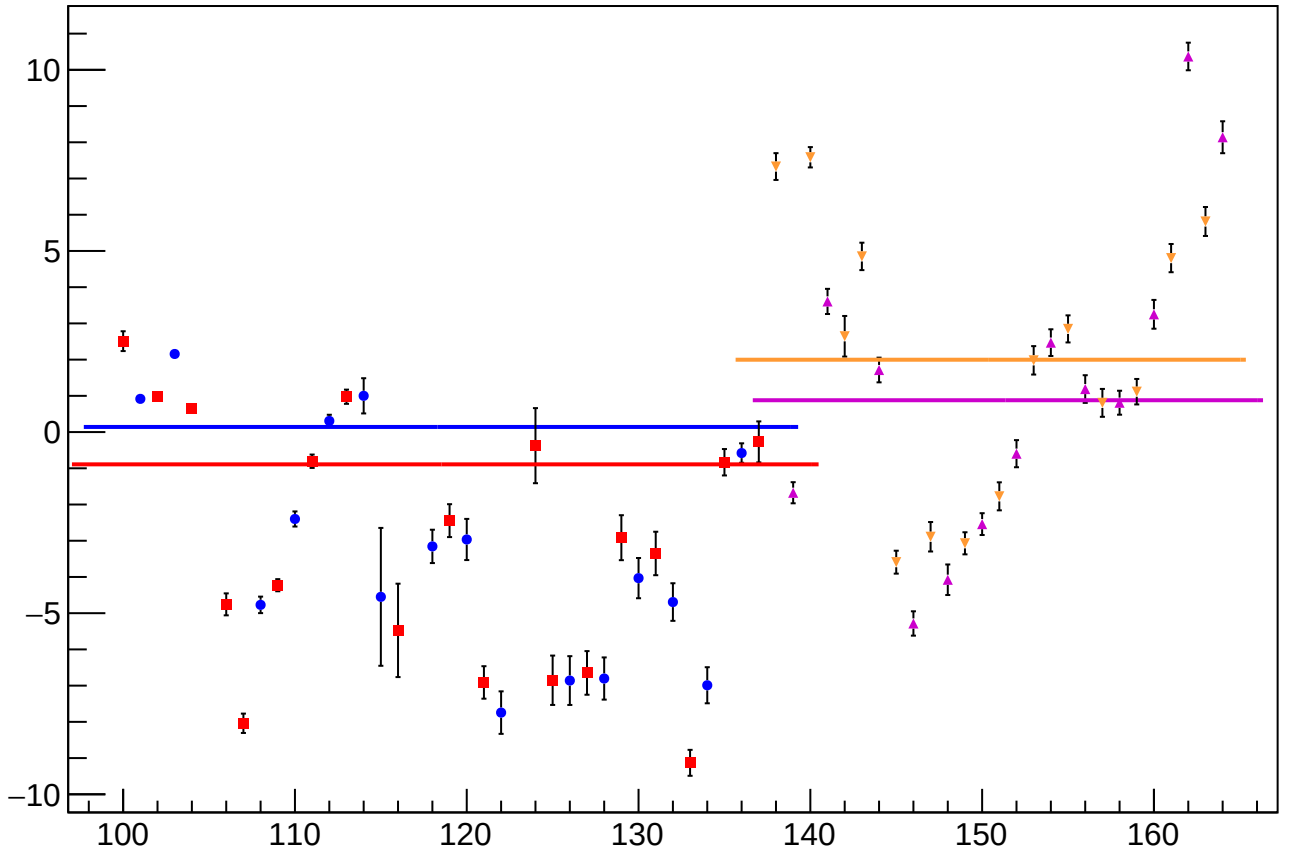
Left: 0.592+/-0.050 χ^2/NDF: 3023.9/26

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -5.160+/-0.045 χ^2/NDF:25185.2/28

Out: -4.526+/-0.044 χ^2/NDF:25268.8/32

All: -4.840+/-0.032 χ^2/NDF: 50555.1/61



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.997+/-0.098 χ^2/NDF:1654.1/13

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 0.879+/-0.099 χ^2/NDF:1709.8/12

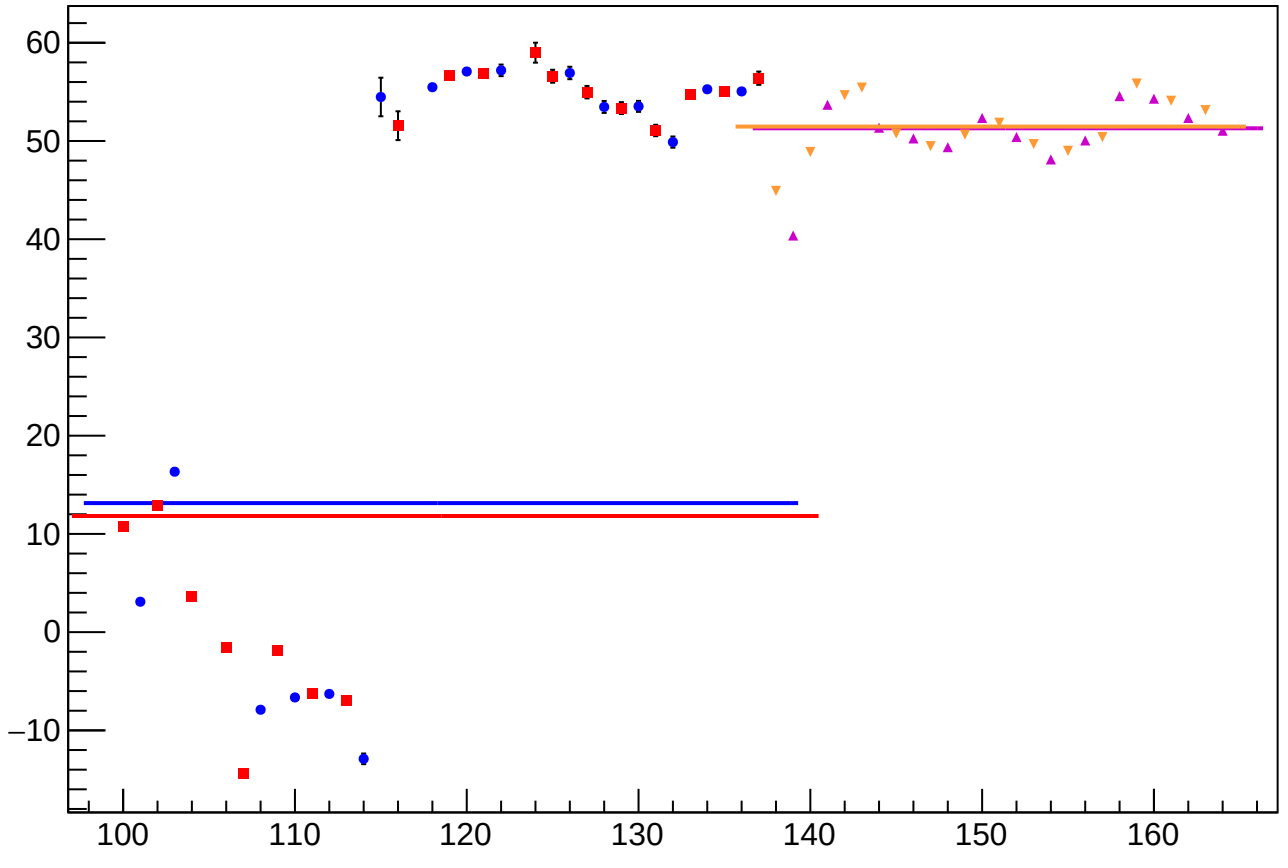
Left: 1.443+/-0.069 χ^2/NDF: 3429.0/26

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.307+/-0.047 χ^2/NDF:3713.0/28

Out: -0.222+/-0.047 χ^2/NDF:5312.6/32

All: 0.045+/-0.033 χ^2/NDF: 9089.2/61



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.468+/-0.081 χ^2/NDF:1096.2/13

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 51.292+/-0.084 χ^2/NDF:1025.1/12

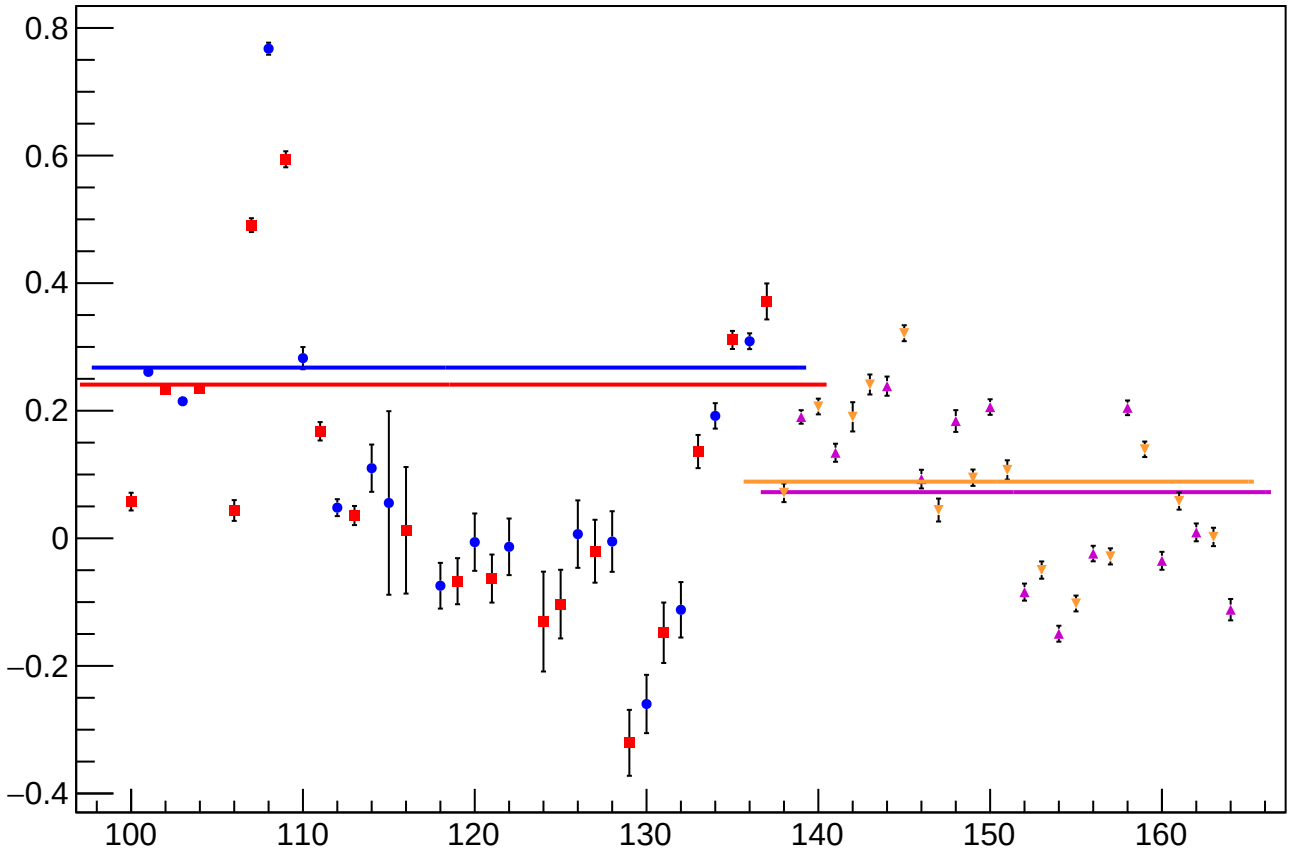
Left: 51.382+/-0.058 χ^2/NDF: 2123.6/26

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 28.296+/-0.053 χ^2/NDF:234900.4/28

Out: 28.066+/-0.052 χ^2/NDF:259156.9/32

All: 28.179+/-0.037 χ^2/NDF: 494066.9/61



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.089+/-0.004 χ^2/NDF:1047.3/13

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.072+/-0.004 χ^2/NDF:1277.0/12

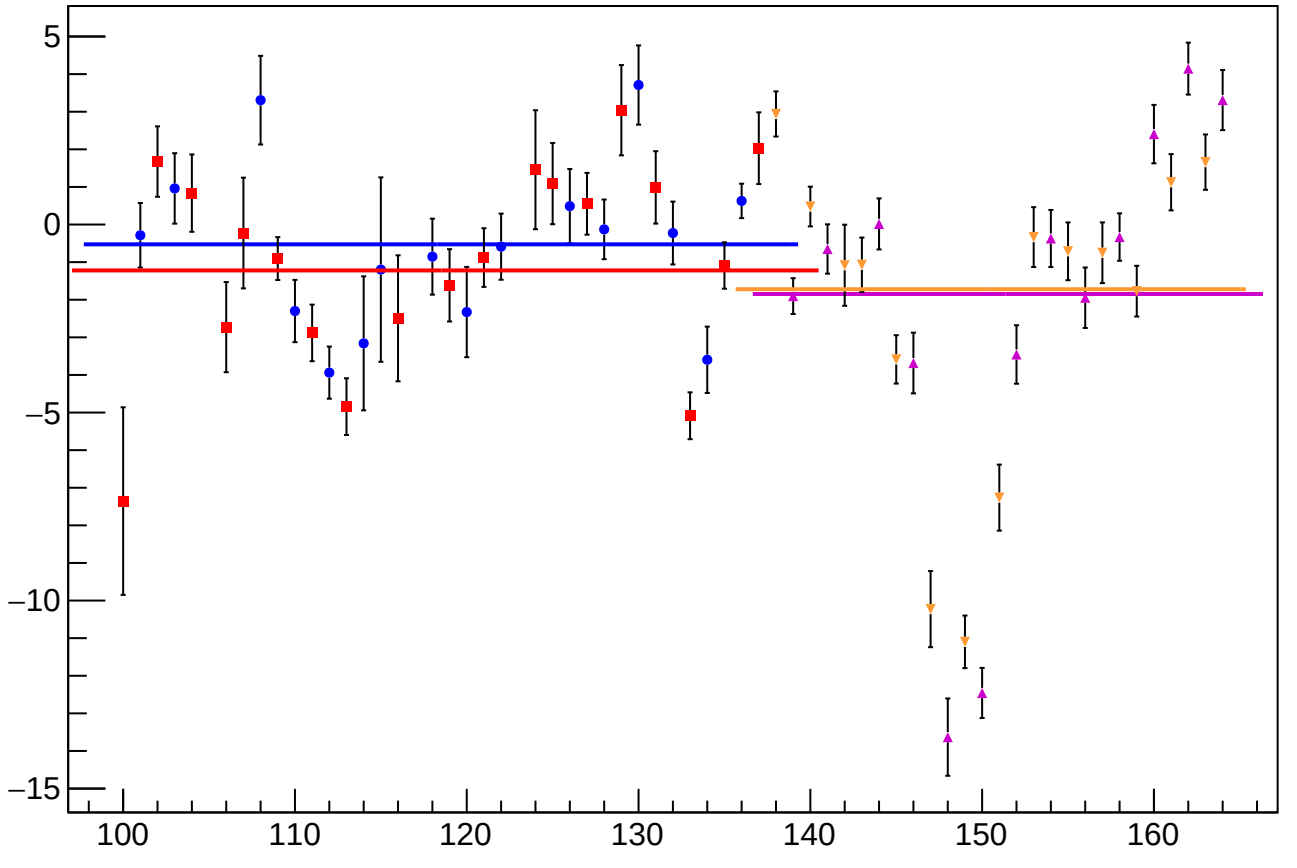
Left: 0.081+/-0.003 χ^2/NDF: 2334.1/26

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.197+/-0.002 χ^2/NDF:6774.7/28

Out: 0.187+/-0.002 χ^2/NDF:4470.6/32

All: 0.192+/-0.002 χ^2/NDF: 11254.3/61



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.721+/-0.194 χ^2/NDF:419.4/13

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.848+/-0.195 χ^2/NDF:561.7/12

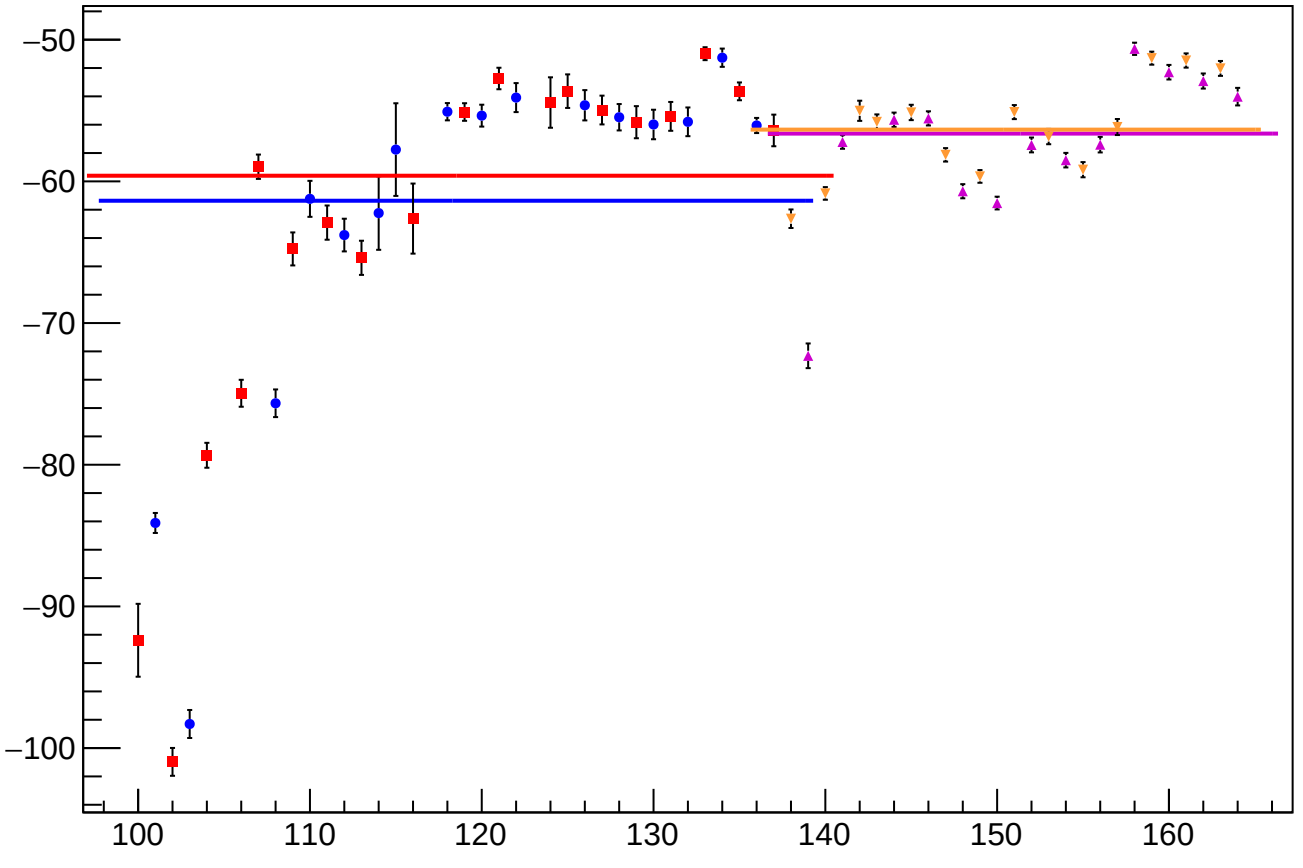
Left: -1.784+/-0.137 χ^2/NDF: 981.3/26

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.259+/-0.145 χ^2/NDF:665.0/28

Out: -1.484+/-0.141 χ^2/NDF:553.5/32

All: -1.375+/-0.101 χ^2/NDF: 1219.7/61



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.348+/-0.139 χ^2/NDF:588.4/13

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.628+/-0.144 χ^2/NDF:864.6/12

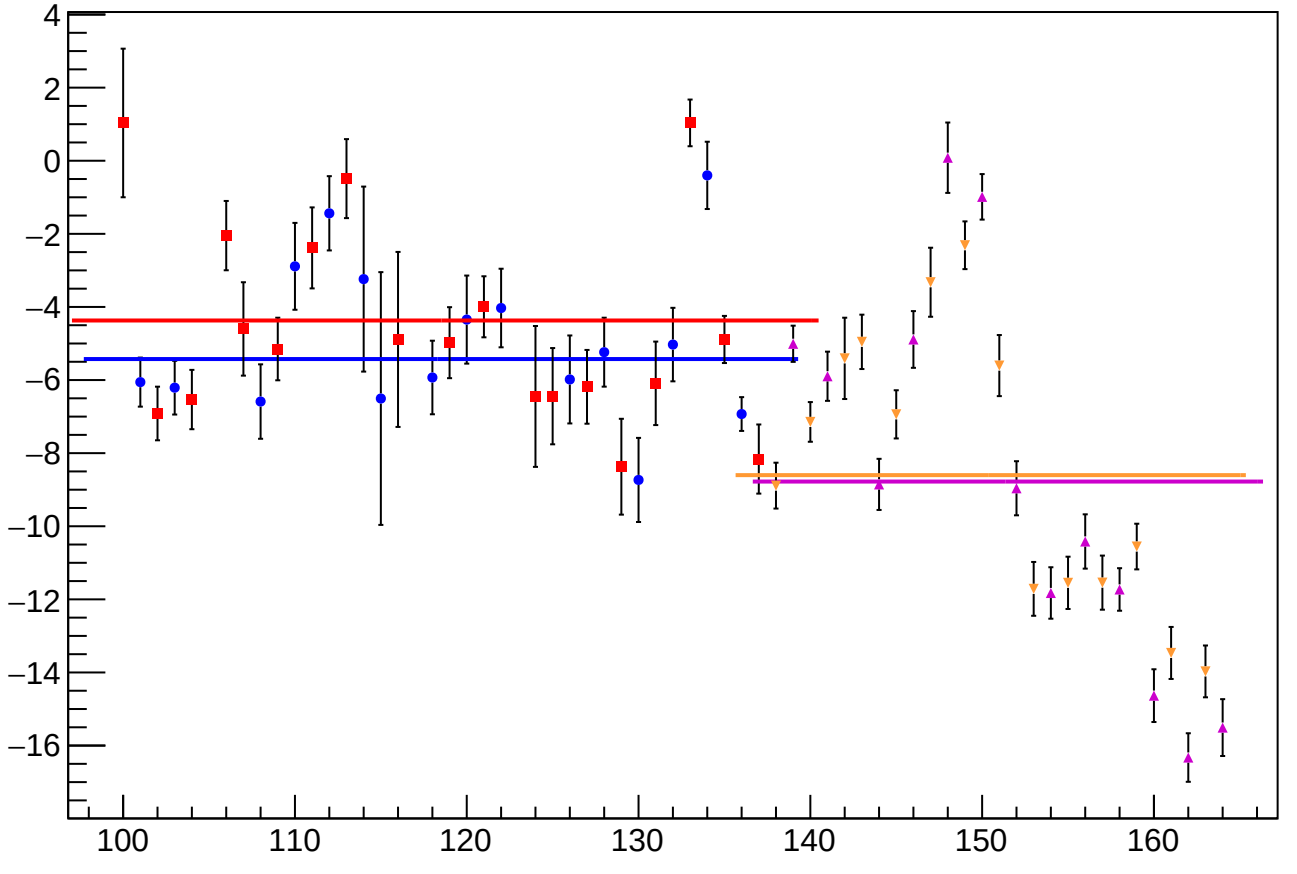
Left: -56.483+/-0.100 χ^2/NDF: 1455.0/26

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -58.054+/-0.120 χ^2/NDF:4543.2/28

Out: -57.357+/-0.115 χ^2/NDF:4180.7/32

All: -57.690+/-0.083 χ^2/NDF: 8741.5/61



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.601+/-0.189 χ^2/NDF:347.4/13

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -8.777+/-0.189 χ^2/NDF:662.0/12

Left: -8.690+/-0.134 χ^2/NDF: 1009.8/26

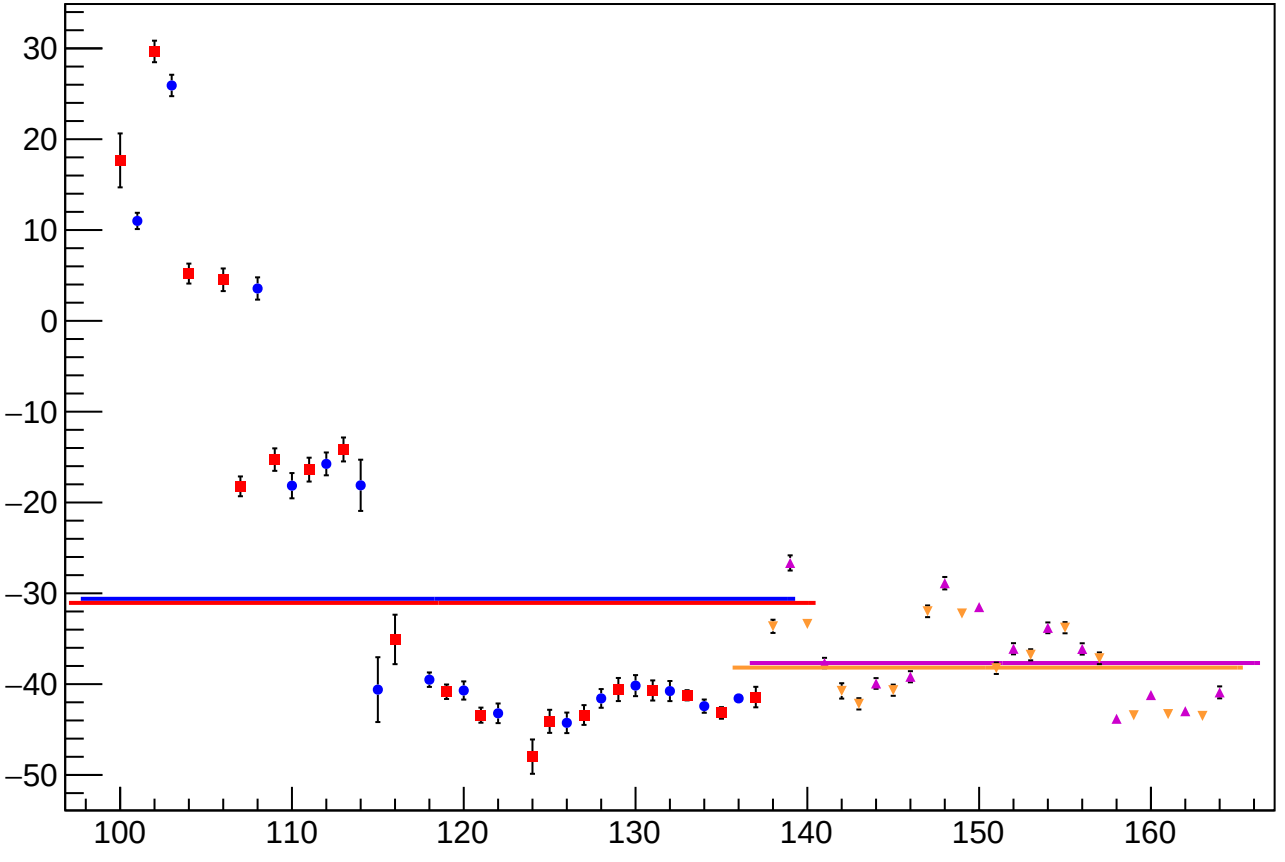
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -7.429+/-0.146 χ^2/NDF:865.0/28

Out: -6.825+/-0.144 χ^2/NDF:713.7/32

All: -7.123+/-0.103 χ^2/NDF: 1587.4/61

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: -38.179+/-0.160 χ^2/NDF:763.5/13

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -37.675+/-0.163 χ^2/NDF:893.7/12

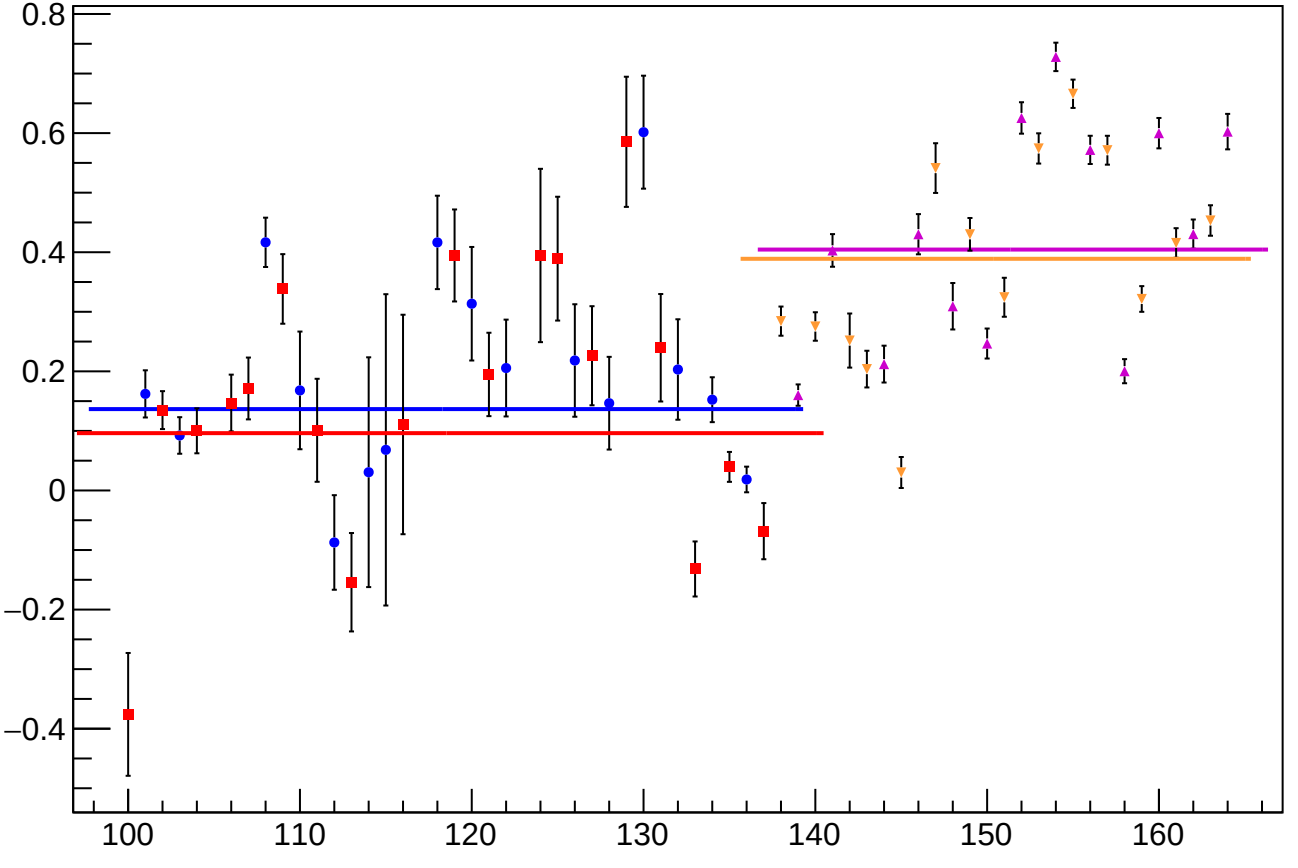
Left: -37.932+/-0.114 χ^2/NDF: 1662.1/26

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -35.556+/-0.137 χ^2/NDF:8394.4/28

Out: -35.964+/-0.133 χ^2/NDF:8358.3/32

All: -35.766+/-0.095 χ^2/NDF: 16757.4/61



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.389+/-0.007 χ^2/NDF:558.5/13

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.404+/-0.007 χ^2/NDF:779.6/12

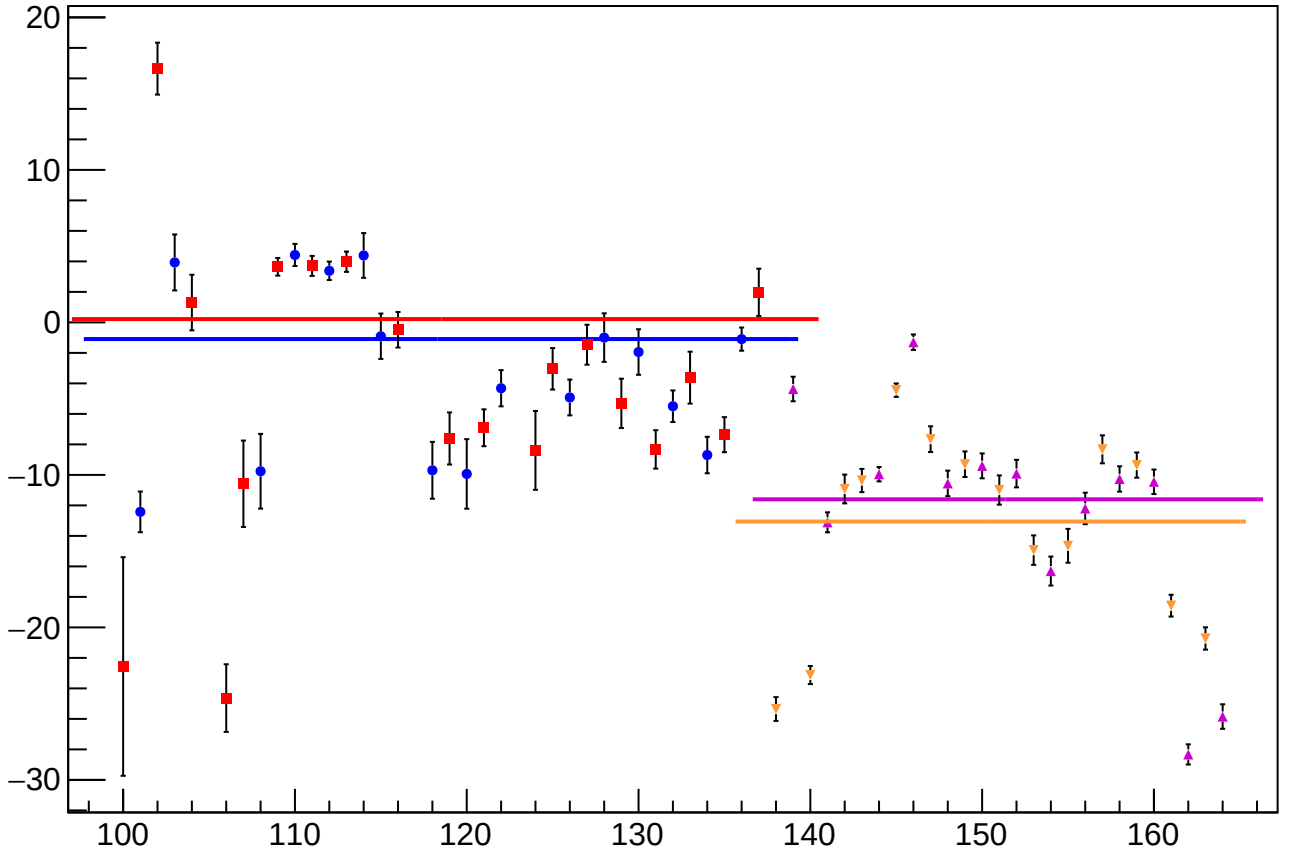
Left: 0.397+/-0.005 χ^2/NDF: 1340.5/26

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.340+/-0.006 χ^2/NDF:1258.0/28

Out: 0.316+/-0.006 χ^2/NDF:1127.6/32

All: 0.328+/-0.004 χ^2/NDF: 2393.7/61



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -13.056+/-0.201 χ^2/NDF:1221.8/13

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -11.602+/-0.199 χ^2/NDF:1503.8/12

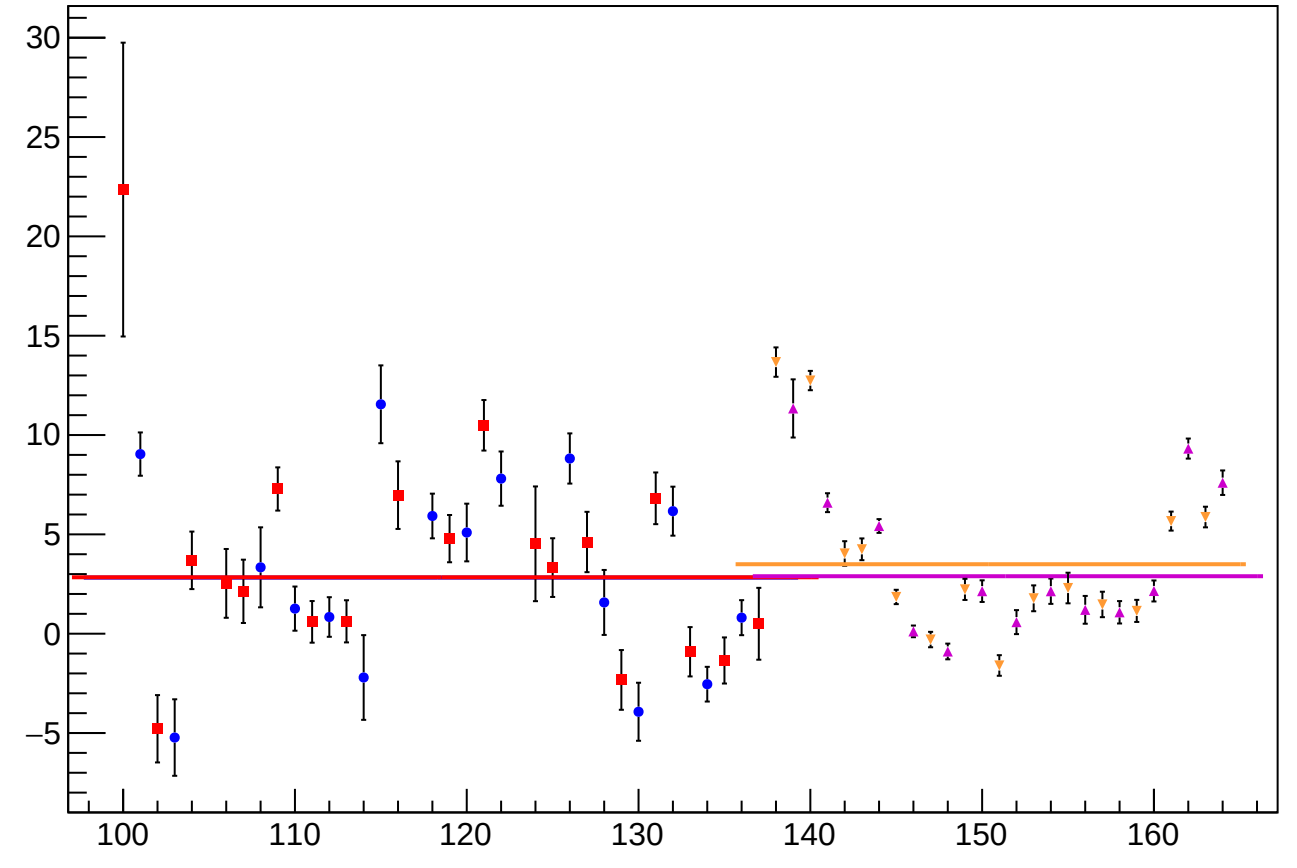
Left: -12.321+/-0.141 χ^2/NDF: 2752.0/26

Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -8.088+/-0.162 χ^2/NDF:2769.7/28

Out: -8.234+/-0.160 χ^2/NDF:3325.5/32

All: -8.162+/-0.114 χ^2/NDF: 6095.6/61



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.497+/-0.140 χ^2/NDF:850.4/13

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 2.893+/-0.135 χ^2/NDF:583.9/12

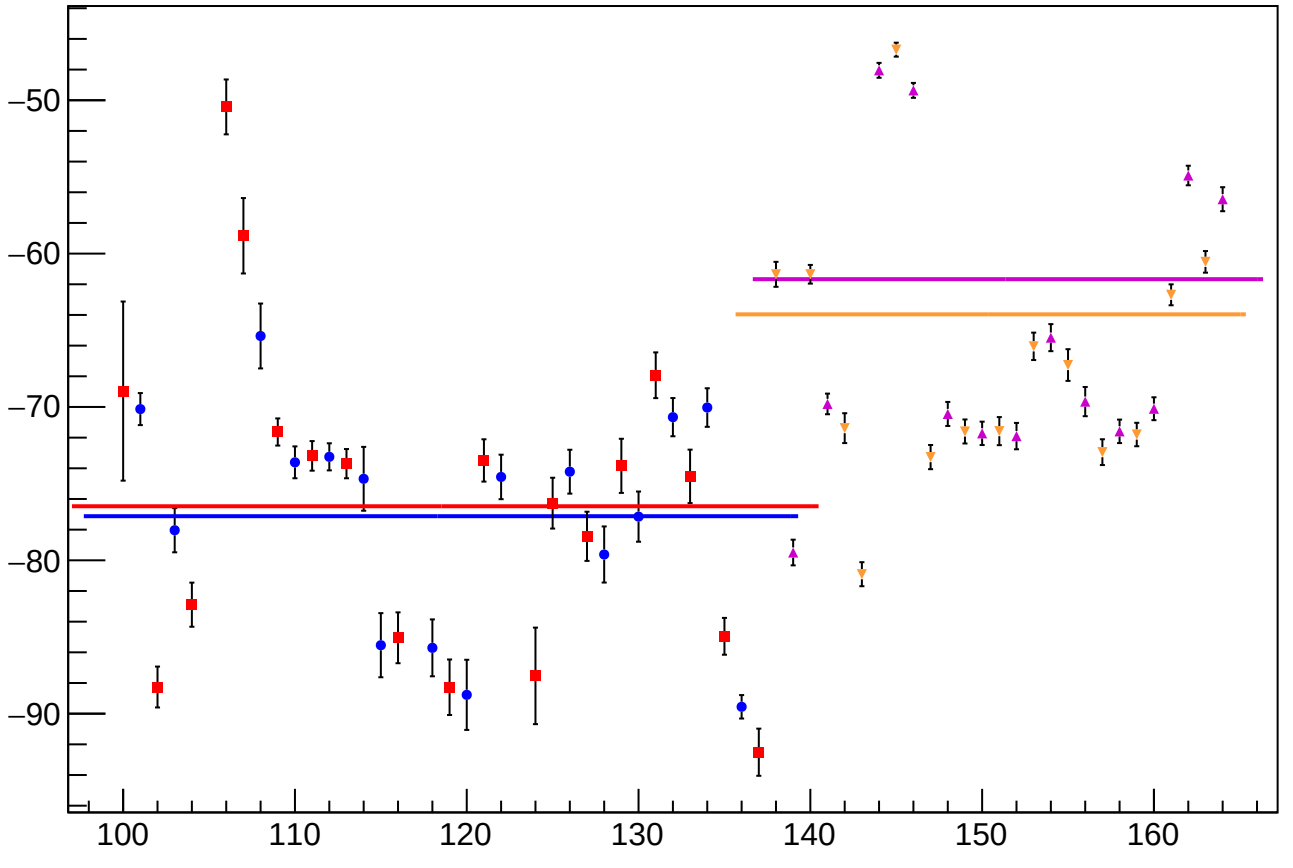
Left: 3.185+/-0.097 χ^2/NDF: 1444.0/26

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 2.882+/-0.124 χ^2/NDF:783.5/28

Out: 3.393+/-0.128 χ^2/NDF:998.8/32

All: 3.129+/-0.089 χ^2/NDF: 1790.6/61



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -63.961+/-0.198 χ^2/NDF:2555.6/13

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -61.668+/-0.193 χ^2/NDF:3006.8/12

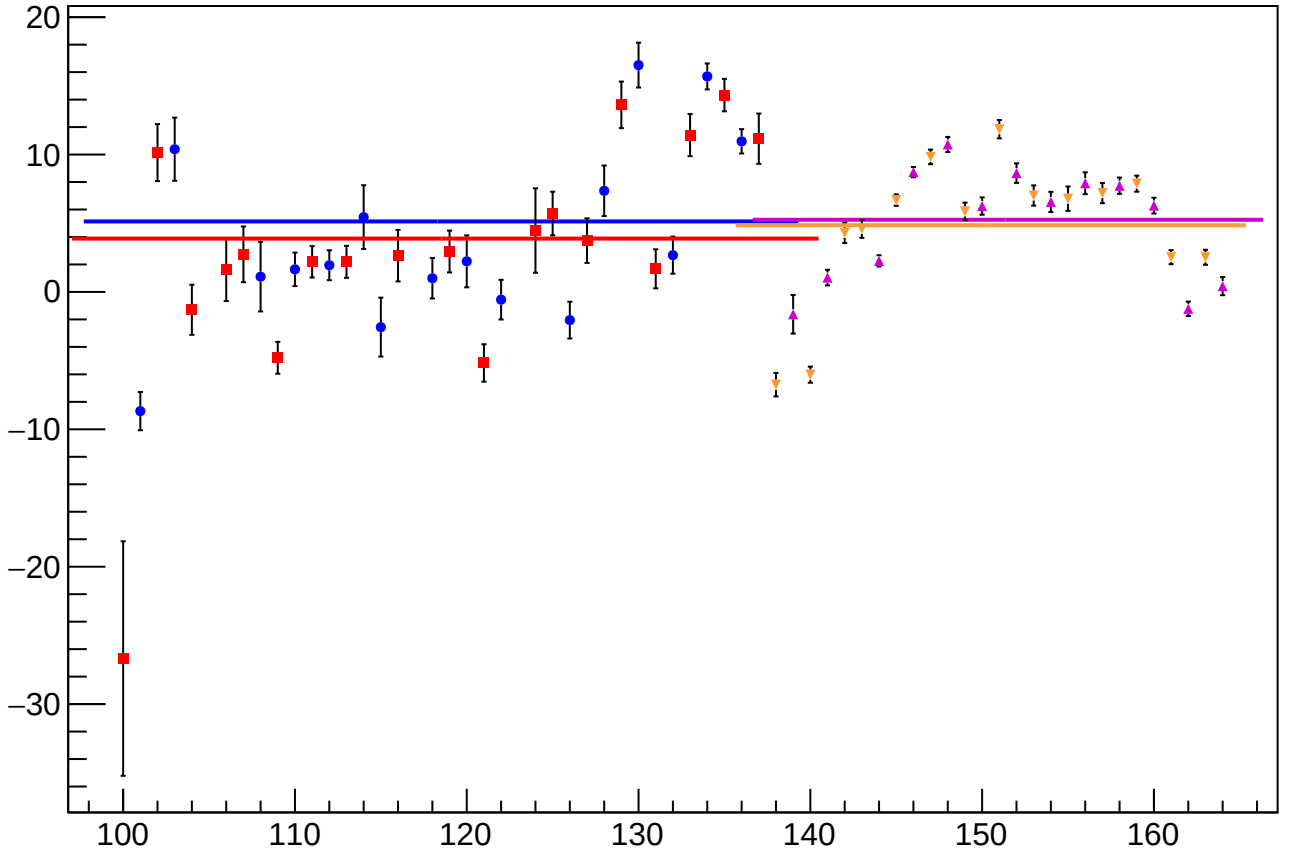
Left: -62.789+/-0.138 χ^2/NDF: 5631.2/26

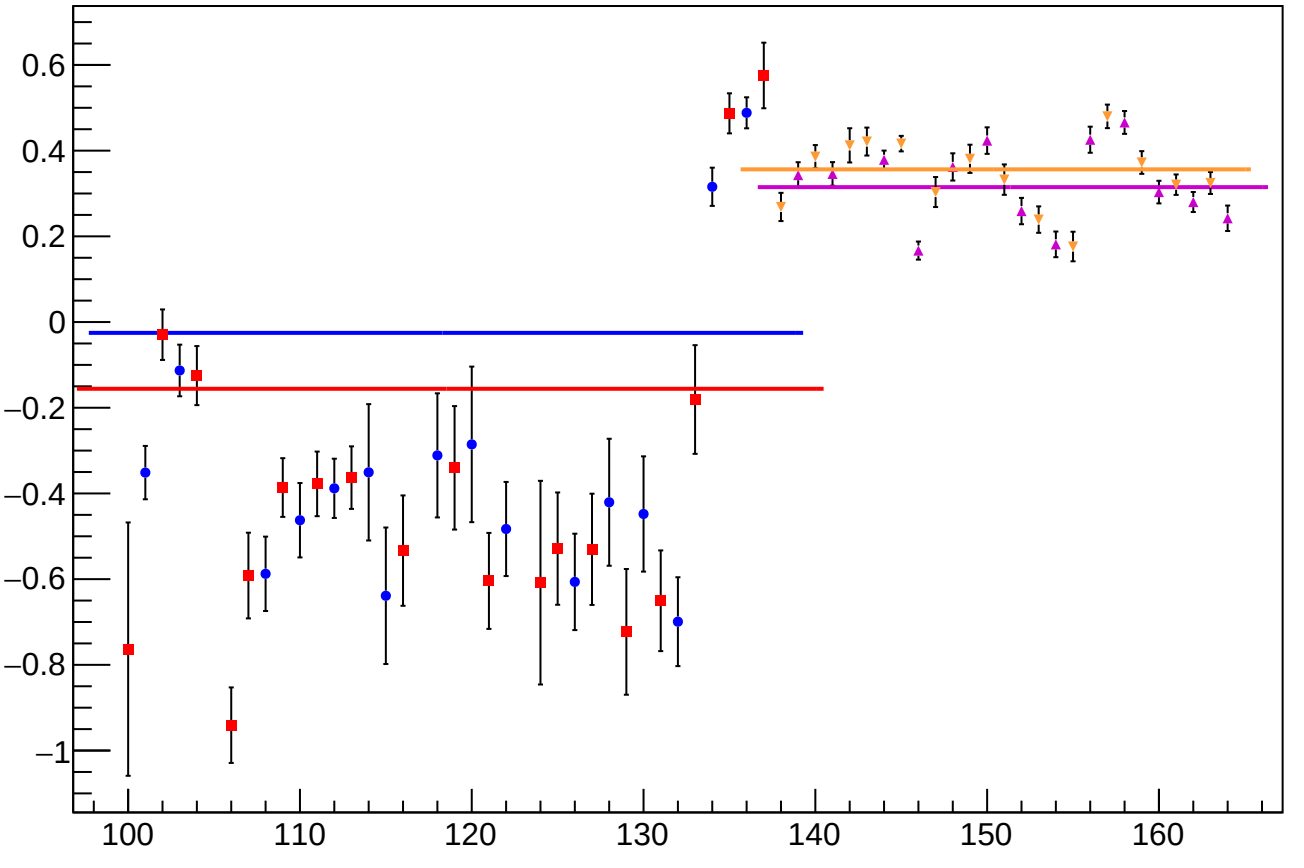
Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -65.682+/-0.166 χ^2/NDF:5171.0/28

Out: -67.286+/-0.169 χ^2/NDF:4317.1/32

All: -66.470+/-0.119 χ^2/NDF: 9533.8/61


reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
Right In: 5.132+/-0.350 χ²/NDF: 412.3/15
Left Out: 4.856+/-0.163 χ²/NDF:836.7/13
Right Out: 3.885+/-0.361 χ²/NDF: 291.5/18
Left In: 5.252+/-0.158 χ²/NDF:584.5/12
Left: 5.060+/-0.114 χ²/NDF: 1424.3/26
Right: 4.529+/-0.251 χ²/NDF: 710.0/34
In: 5.232+/-0.144 χ²/NDF:997.0/28
Out: 4.692+/-0.149 χ²/NDF:1134.2/32
All: 4.970+/-0.104 χ²/NDF: 2137.9/61



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.356+/-0.008 χ^2/NDF:94.7/13

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.315+/-0.007 χ^2/NDF:151.6/12

Left: 0.335+/-0.005 χ^2/NDF: 261.5/26

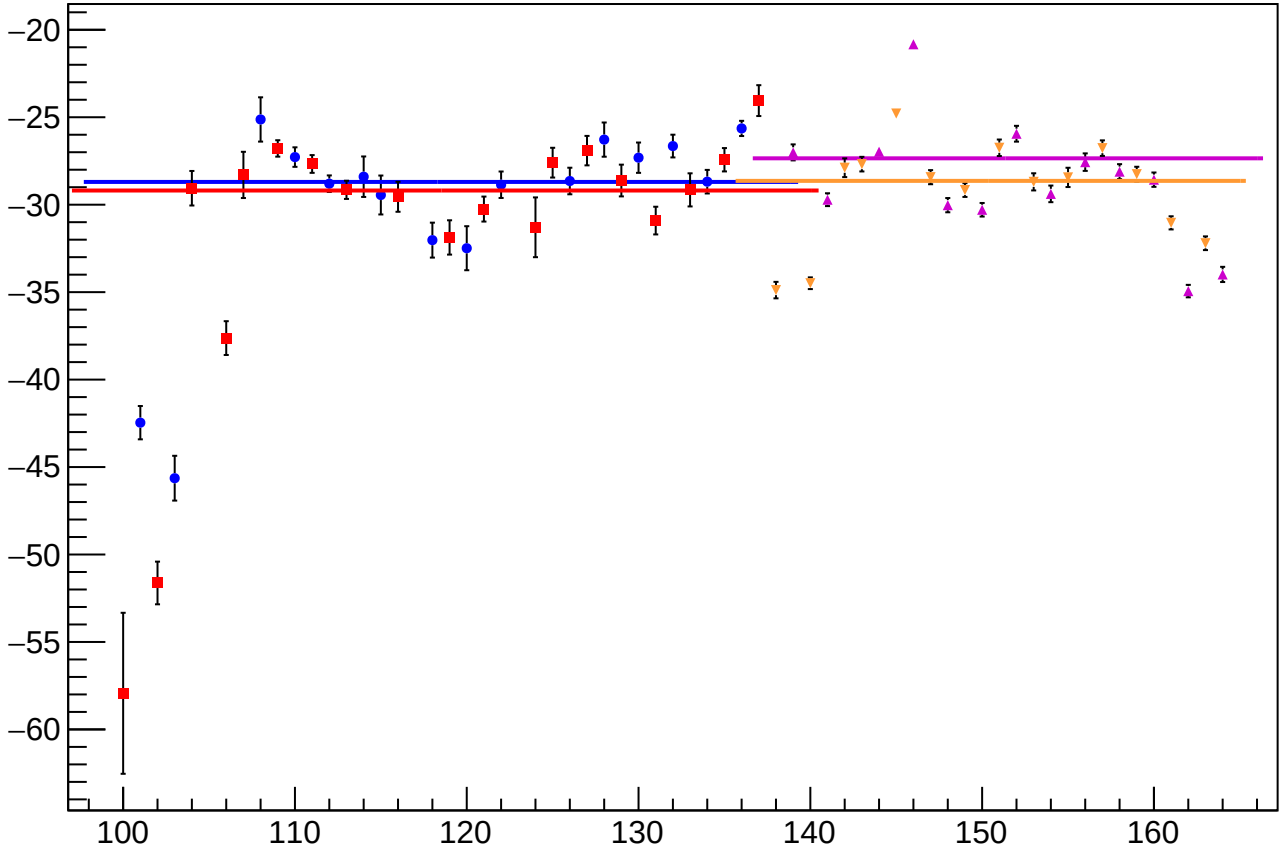
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.269+/-0.007 χ^2/NDF:943.1/28

Out: 0.293+/-0.007 χ^2/NDF:1152.1/32

All: 0.281+/-0.005 χ^2/NDF: 2101.0/61

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: -28.638+/-0.102 χ^2/NDF:1010.0/13

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -27.349+/-0.097 χ^2/NDF:1872.2/12

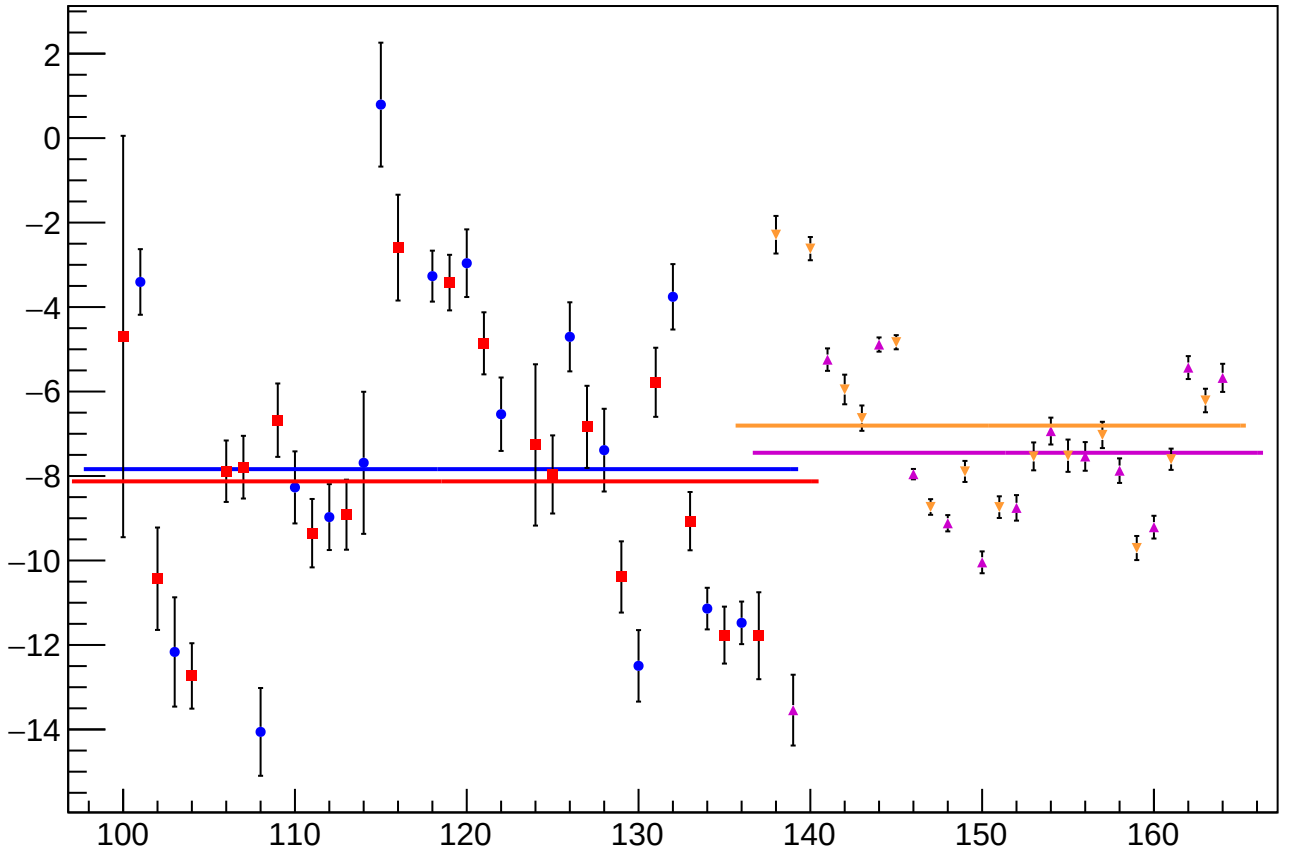
Left: -27.962+/-0.070 χ^2/NDF: 2965.6/26

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -27.639+/-0.086 χ^2/NDF:2400.9/28

Out: -28.771+/-0.089 χ^2/NDF:1574.3/32

All: -28.187+/-0.062 χ^2/NDF: 4058.5/61



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.806+/-0.071 χ^2/NDF:790.9/13

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.450+/-0.065 χ^2/NDF:695.9/12

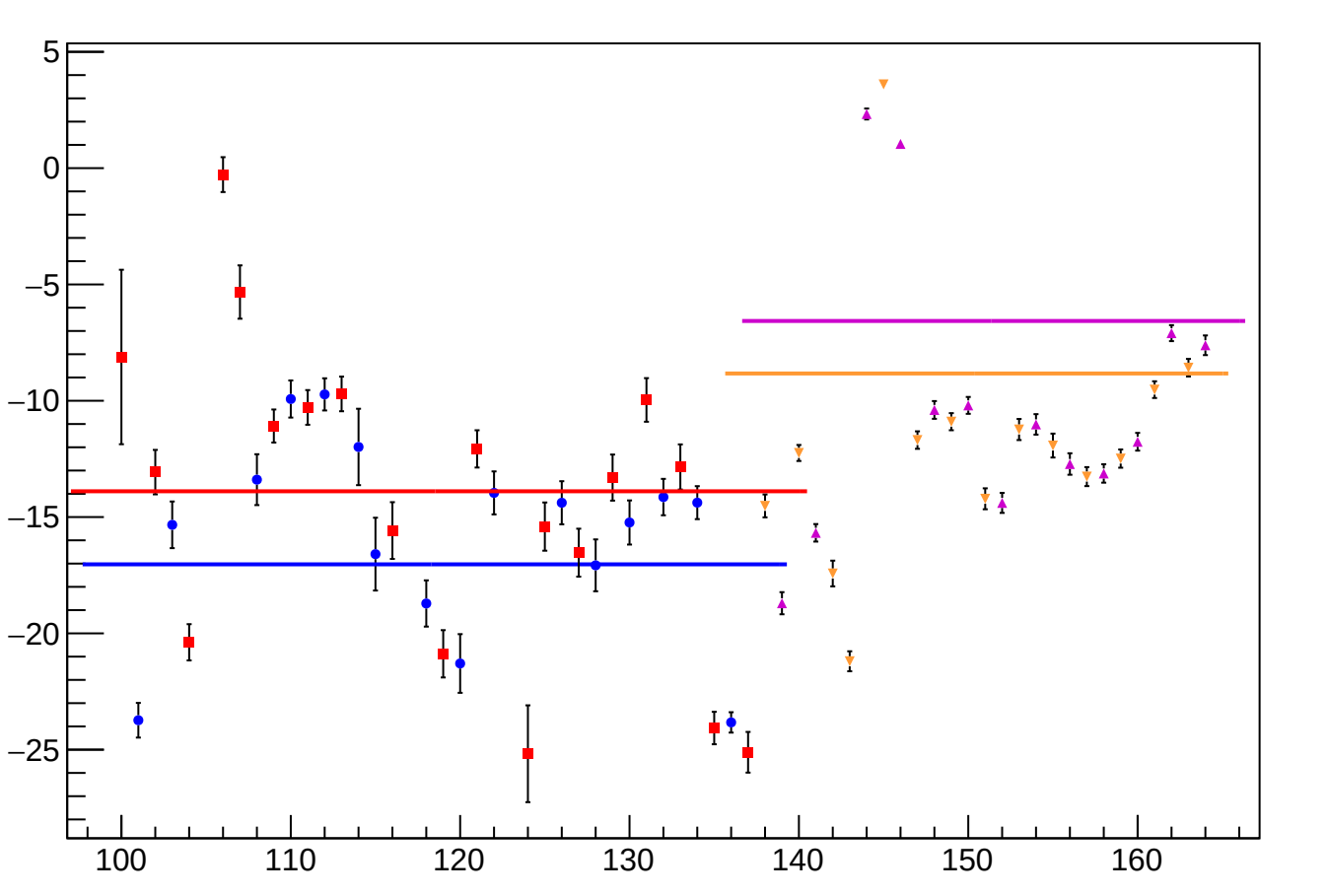
Left: -7.154+/-0.048 χ^2/NDF: 1531.8/26

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.489+/-0.062 χ^2/NDF:1082.7/28

Out: -6.957+/-0.066 χ^2/NDF:1028.1/32

All: -7.242+/-0.045 χ^2/NDF: 2145.3/61



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -8.828+/-0.100 χ^2/NDF:5382.8/13

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -6.570+/-0.094 χ^2/NDF:5416.5/12

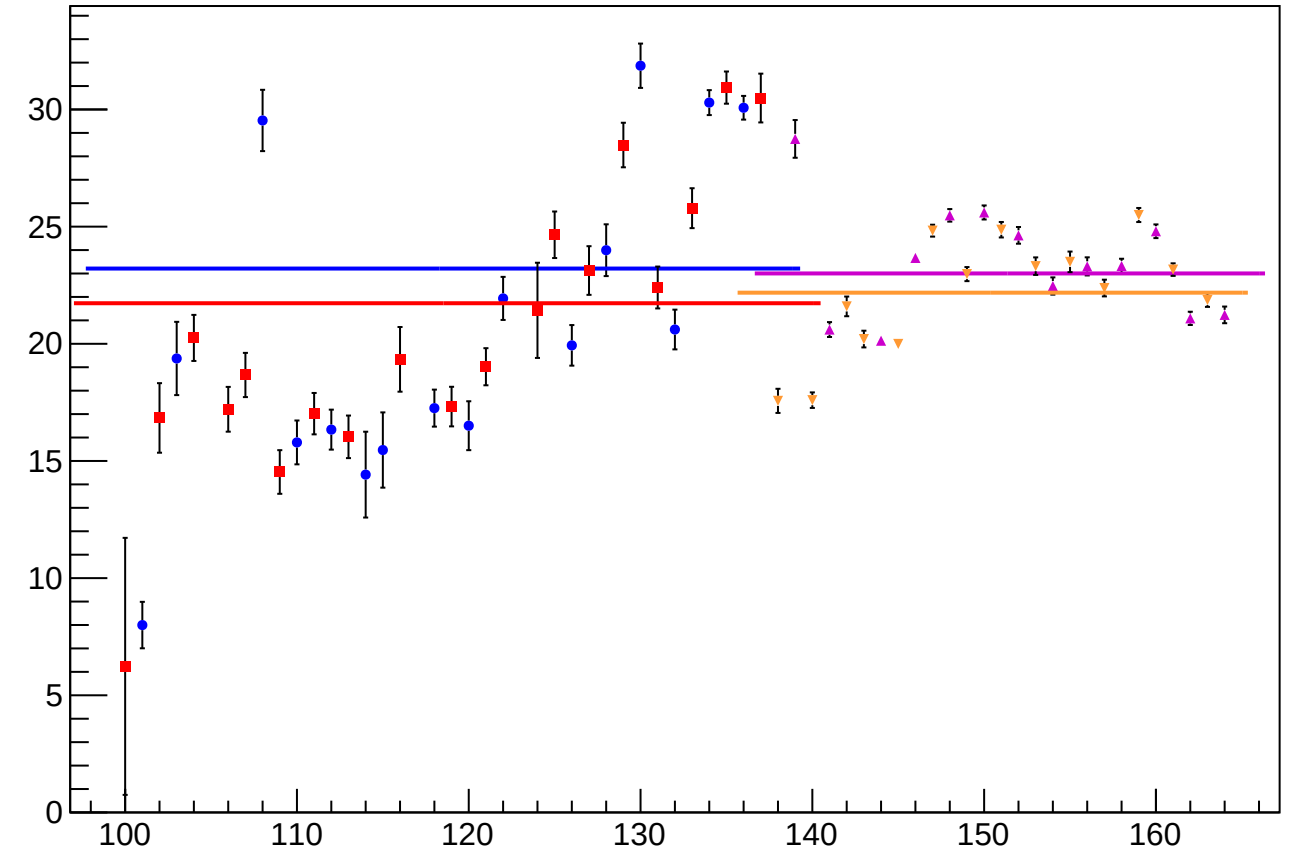
Left: -7.633+/-0.069 χ^2/NDF: 11068.1/26

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -8.340+/-0.086 χ^2/NDF:8092.4/28

Out: -9.771+/-0.090 χ^2/NDF:6876.5/32

All: -9.021+/-0.062 χ^2/NDF: 15100.3/61



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.182+/-0.083 χ^2/NDF:771.4/13

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 23.003+/-0.077 χ^2/NDF:632.5/12

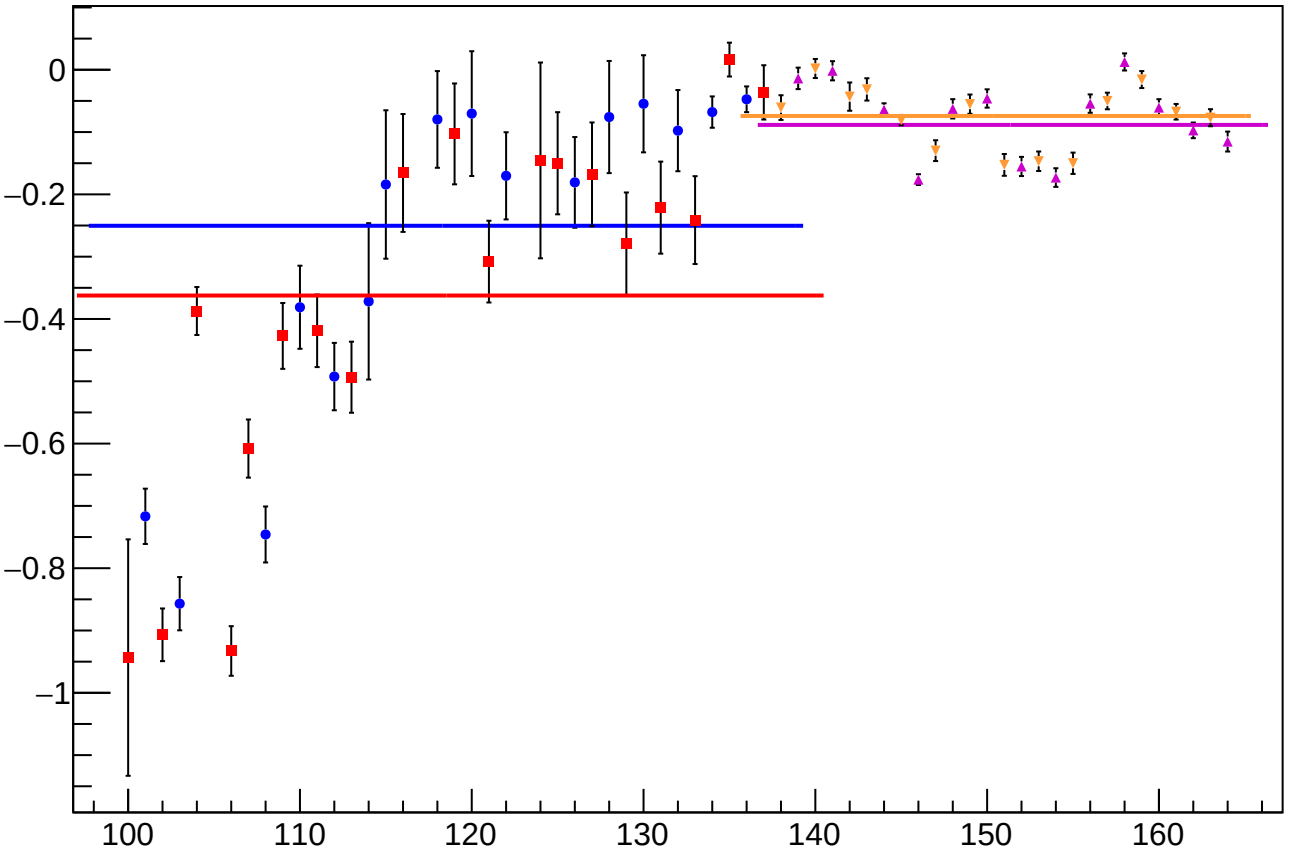
Left: 22.622+/-0.056 χ^2/NDF: 1456.8/26

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 23.026+/-0.073 χ^2/NDF:1641.5/28

Out: 22.128+/-0.078 χ^2/NDF:1333.2/32

All: 22.607+/-0.053 χ^2/NDF: 3046.2/61



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.074+/-0.004 χ^2/NDF:129.4/13

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.089+/-0.004 χ^2/NDF:288.2/12

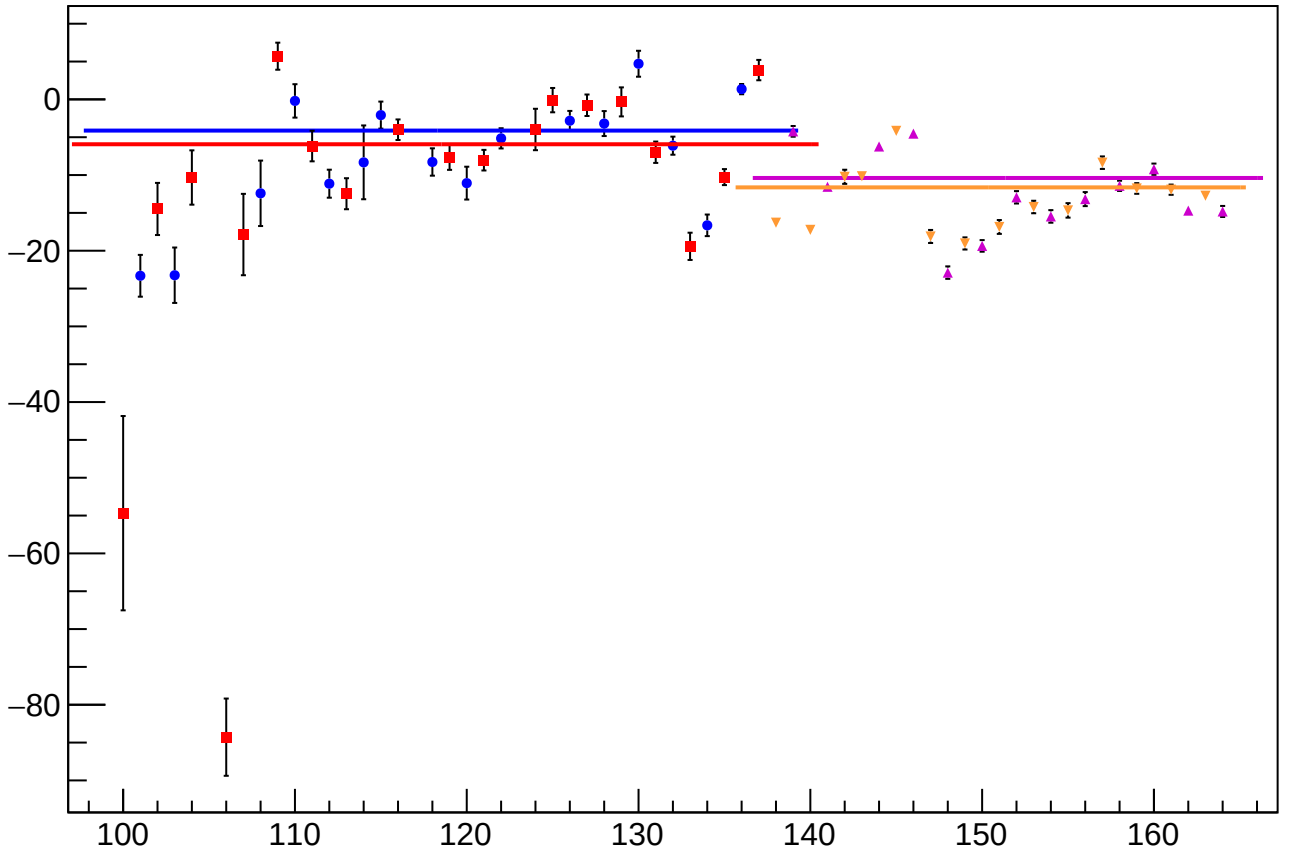
Left: -0.082+/-0.003 χ^2/NDF: 424.9/26

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.103+/-0.004 χ^2/NDF:1097.1/28

Out: -0.100+/-0.004 χ^2/NDF:1330.5/32

All: -0.101+/-0.003 χ^2/NDF: 2428.1/61



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.630+/-0.180 χ^2/NDF:787.9/13

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -10.386+/-0.176 χ^2/NDF:900.9/12

Left: -10.995+/-0.126 χ^2/NDF: 1713.2/26

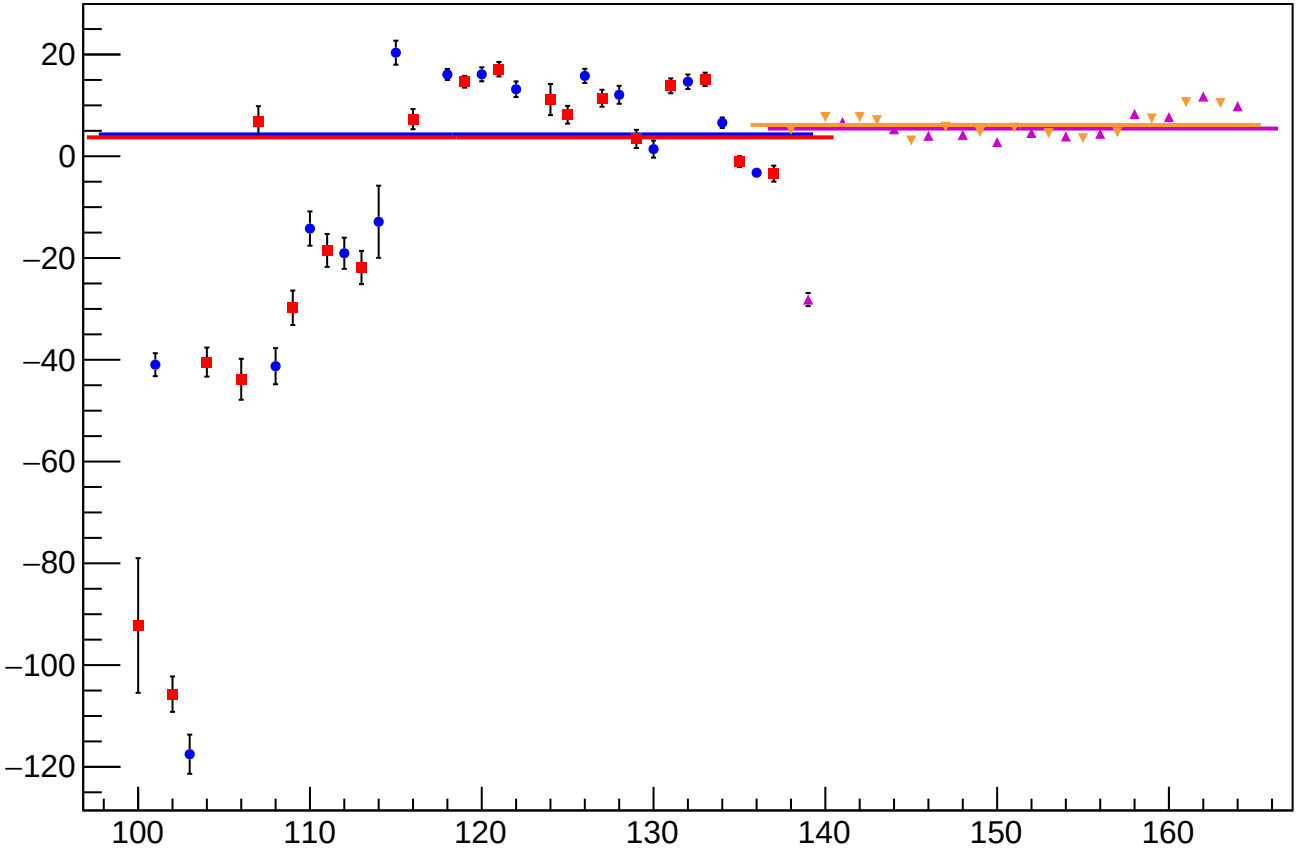
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -9.287+/-0.160 χ^2/NDF:1410.6/28

Out: -10.701+/-0.165 χ^2/NDF:1434.2/32

All: -9.974+/-0.115 χ^2/NDF: 2882.8/61

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.153+/-0.127 χ^2/NDF:360.8/13

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.445+/-0.121 χ^2/NDF:1084.3/12

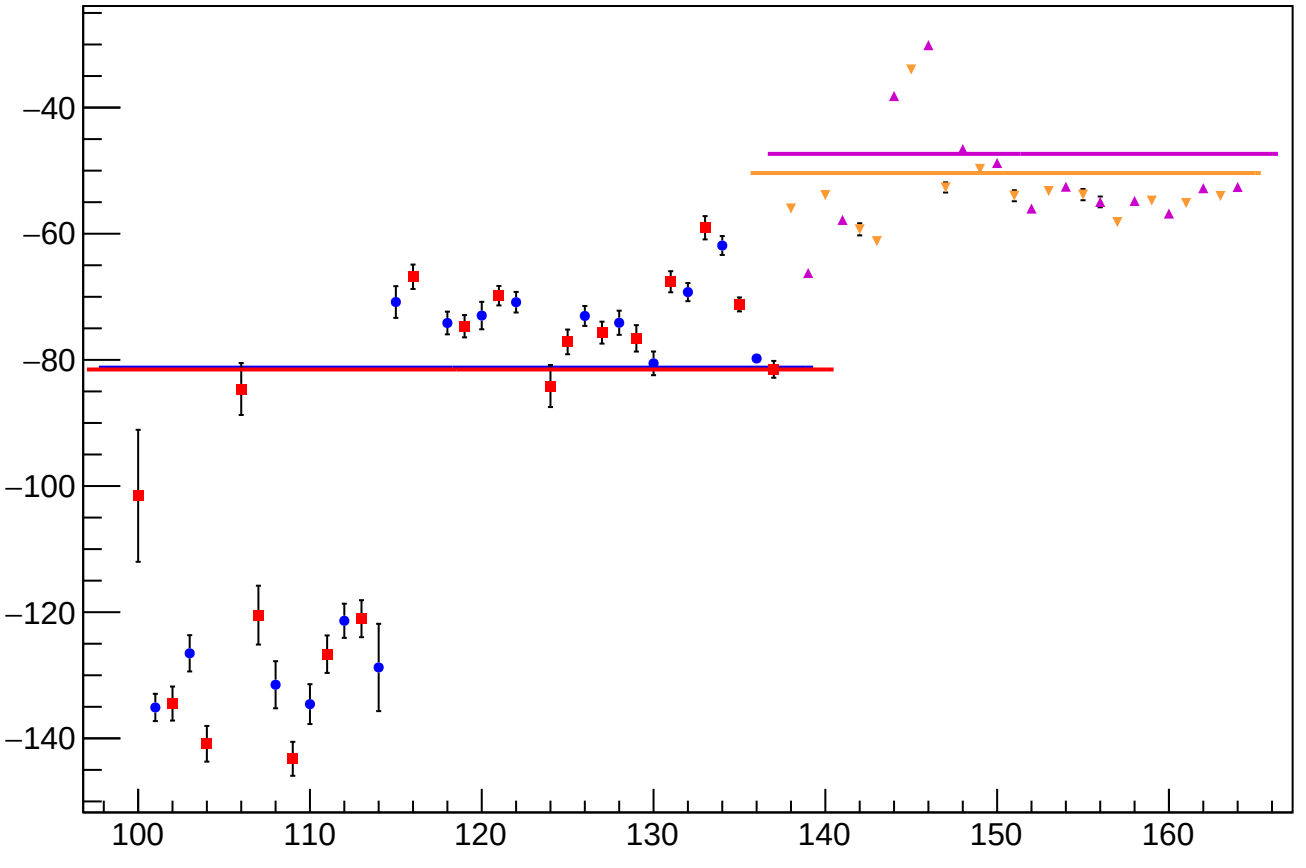
Left: 5.782+/-0.087 χ^2/NDF: 1461.5/26

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 5.342+/-0.115 χ^2/NDF:3261.6/28

Out: 5.952+/-0.121 χ^2/NDF:2398.6/32

All: 5.631+/-0.084 χ^2/NDF: 5673.4/61



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -50.378+/-0.177 χ^2/NDF:2616.0/13

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -47.338+/-0.171 χ^2/NDF:4019.2/12

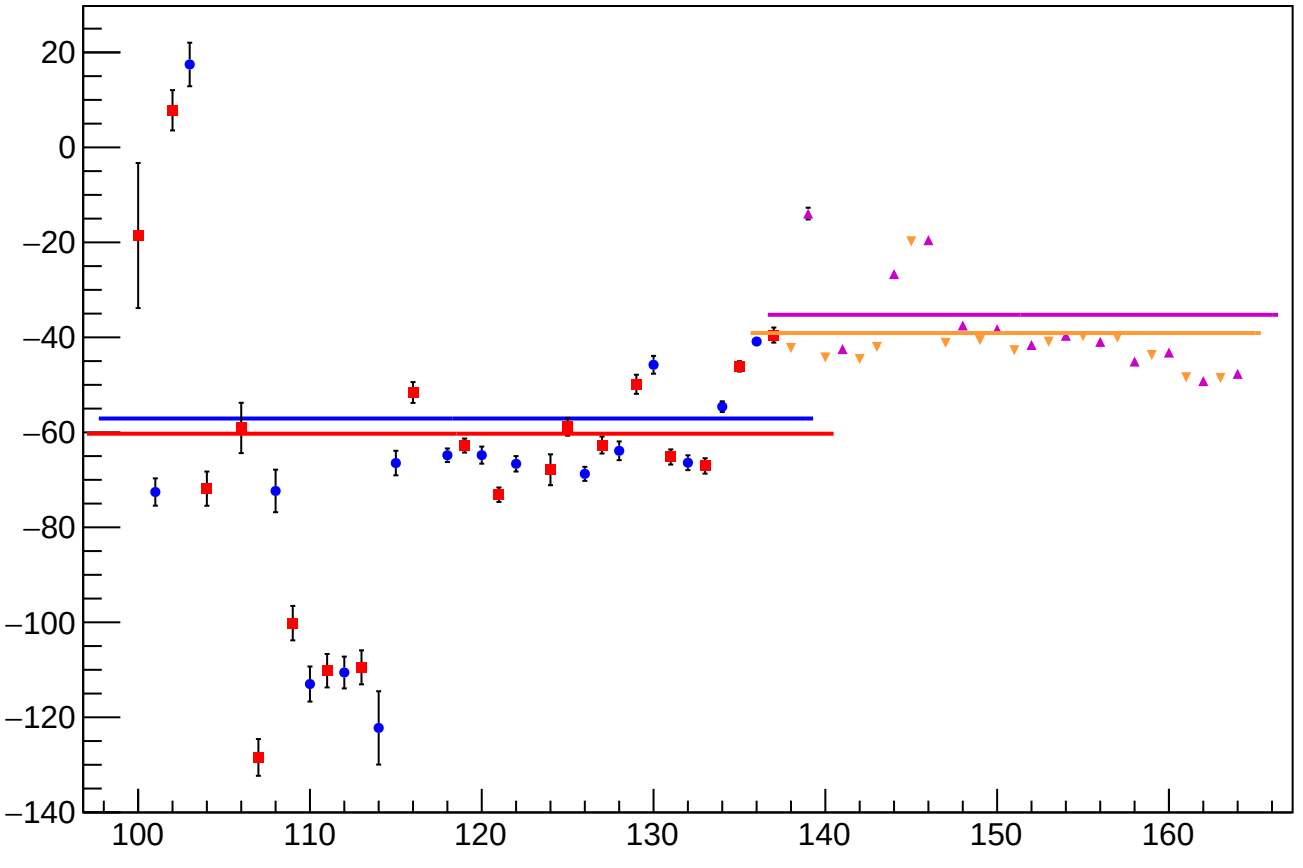
Left: -48.807+/-0.123 χ^2/NDF: 6787.4/26

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -52.233+/-0.158 χ^2/NDF:11646.9/28

Out: -54.377+/-0.165 χ^2/NDF:8877.0/32

All: -53.259+/-0.114 χ^2/NDF: 20611.6/61



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -39.093+/-0.147 χ^2/NDF:4306.5/13

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -35.247+/-0.141 χ^2/NDF:5801.7/12

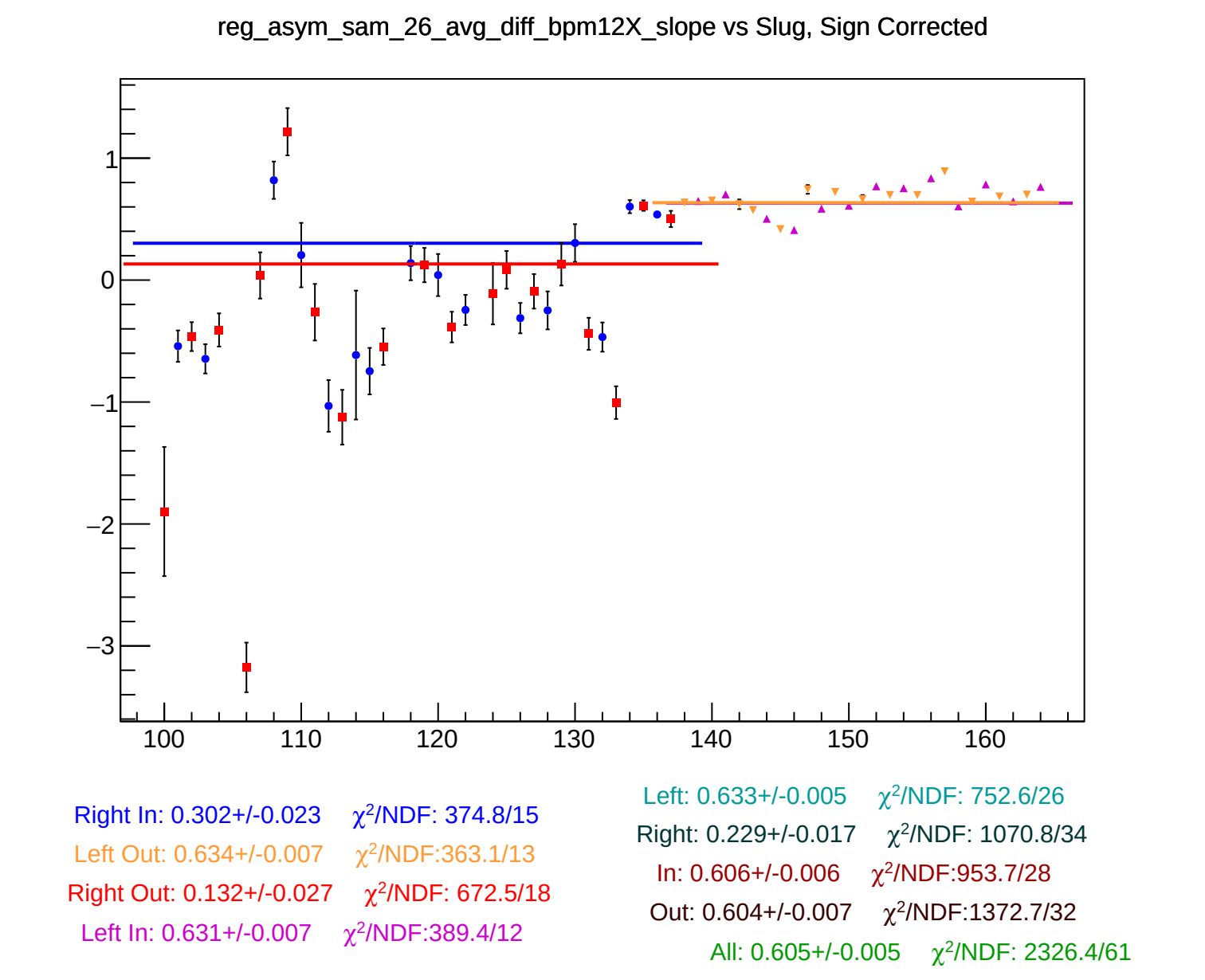
Left: -37.088+/-0.102 χ^2/NDF: 10463.9/26

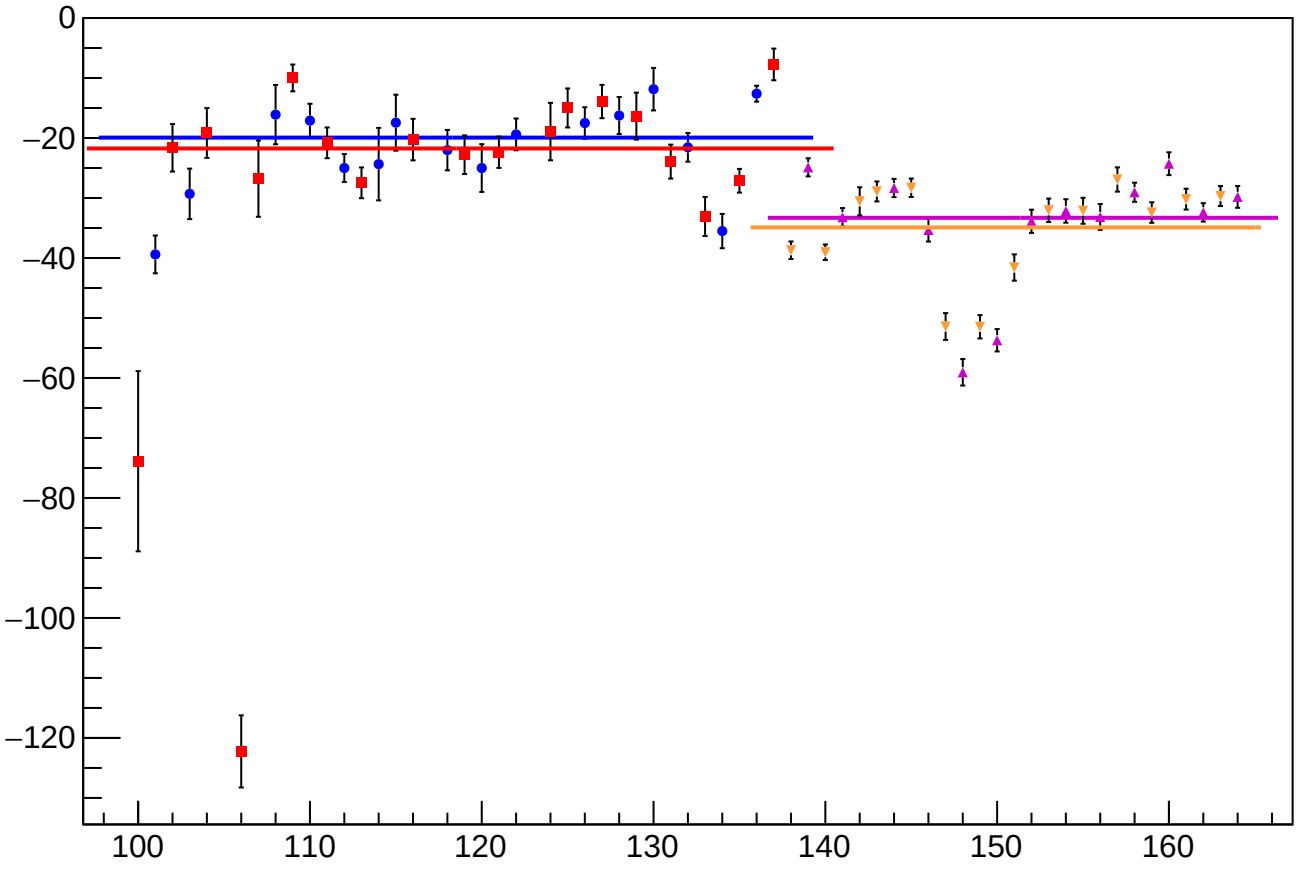
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -37.408+/-0.134 χ^2/NDF:9700.2/28

Out: -40.988+/-0.141 χ^2/NDF:7745.8/32

All: -39.112+/-0.097 χ^2/NDF: 17786.0/61


reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: 0.302+/-0.023 χ²/NDF: 374.8/15
Left Out: 0.634+/-0.007 χ²/NDF:363.1/13
Right Out: 0.132+/-0.027 χ²/NDF: 672.5/18
Left In: 0.631+/-0.007 χ²/NDF:389.4/12
Left: 0.633+/-0.005 χ²/NDF: 752.6/26
Right: 0.229+/-0.017 χ²/NDF: 1070.8/34
In: 0.606+/-0.006 χ²/NDF:953.7/28
Out: 0.604+/-0.007 χ²/NDF:1372.7/32
All: 0.605+/-0.005 χ²/NDF: 2326.4/61



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.901+/-0.473 χ^2/NDF:227.4/13

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -33.301+/-0.488 χ^2/NDF:331.8/12

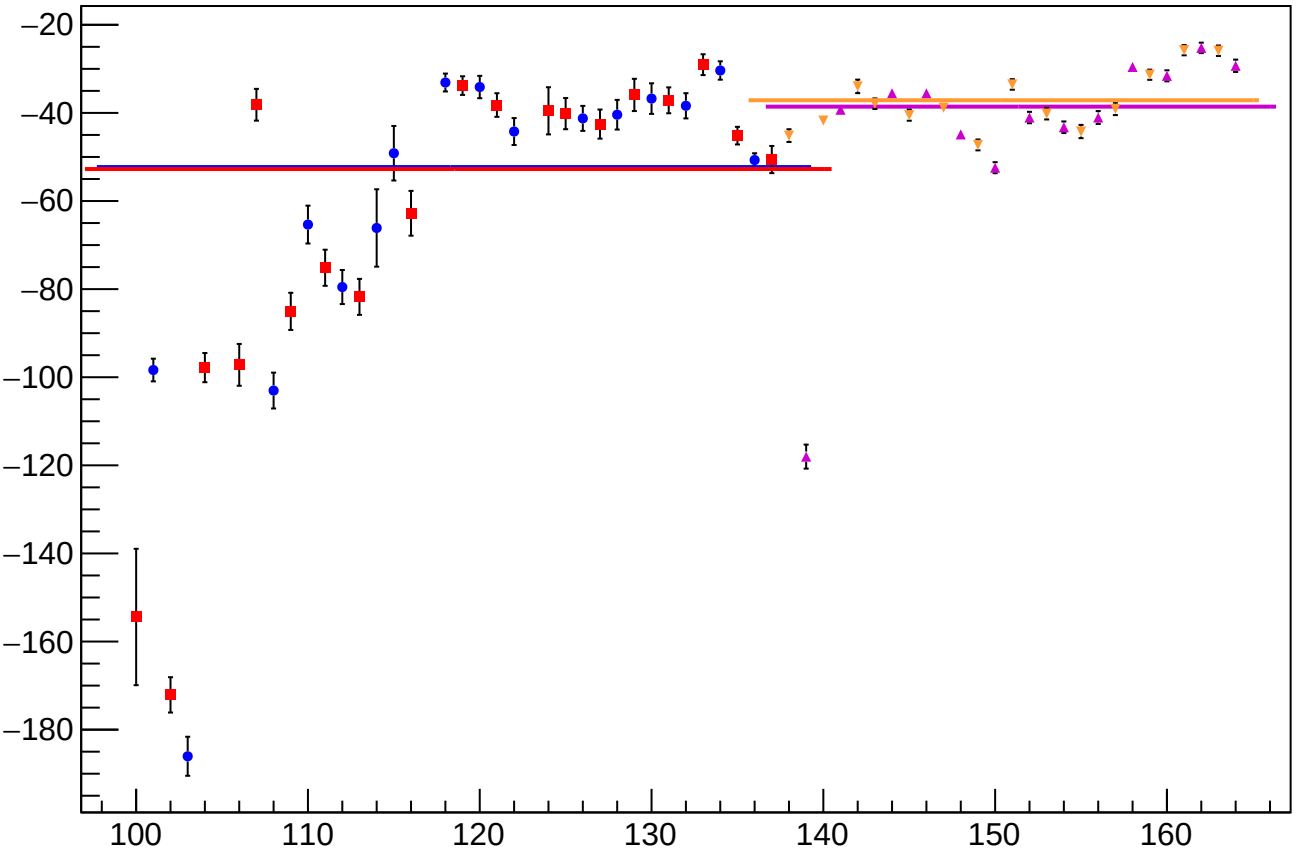
Left: -34.125+/-0.340 χ^2/NDF: 564.7/26

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -28.884+/-0.399 χ^2/NDF:700.1/28

Out: -30.880+/-0.395 χ^2/NDF:851.6/32

All: -29.894+/-0.281 χ^2/NDF: 1564.4/61



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -37.125+/-0.332 χ^2/NDF:380.1/13

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -38.576+/-0.345 χ^2/NDF:1312.5/12

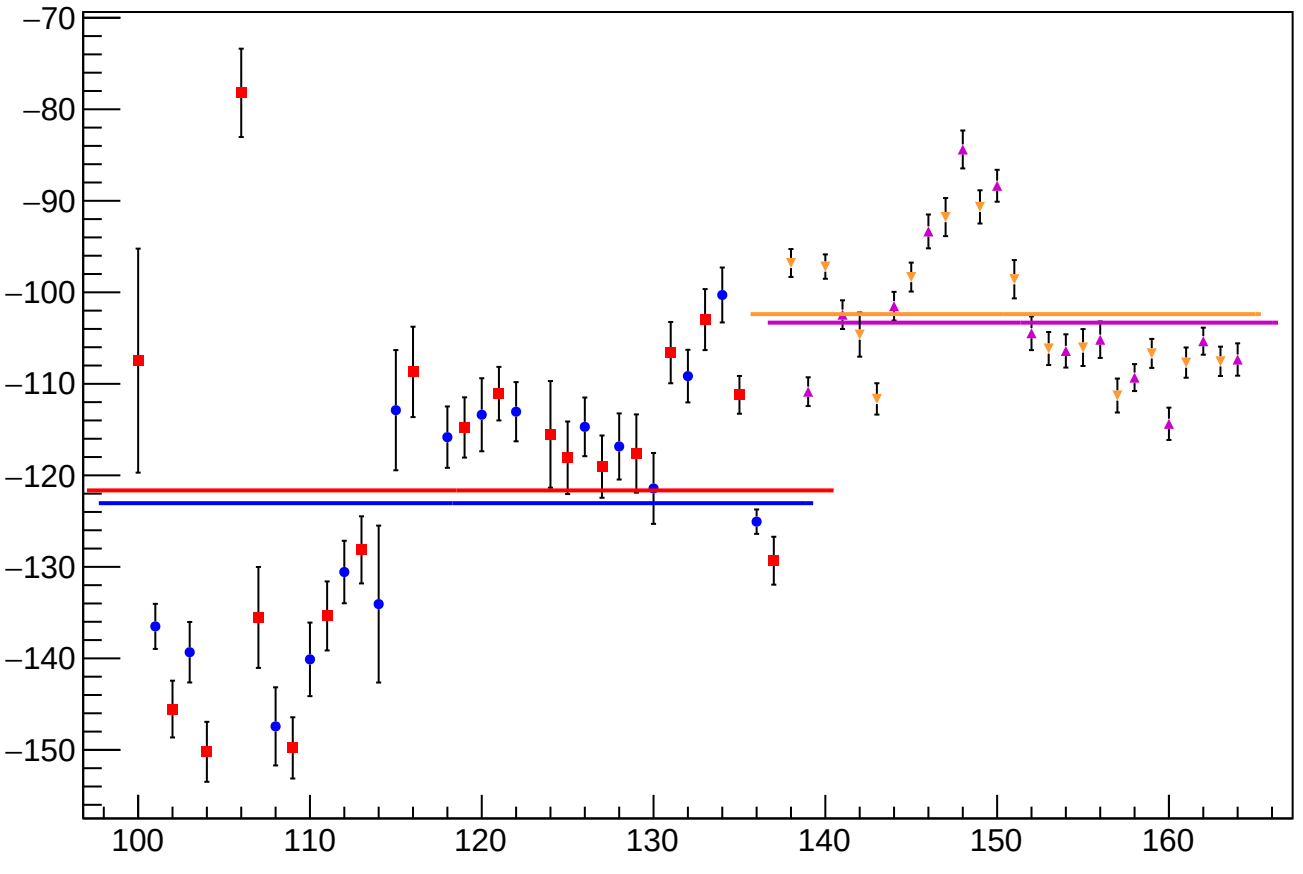
Left: -37.821+/-0.239 χ^2/NDF: 1701.8/26

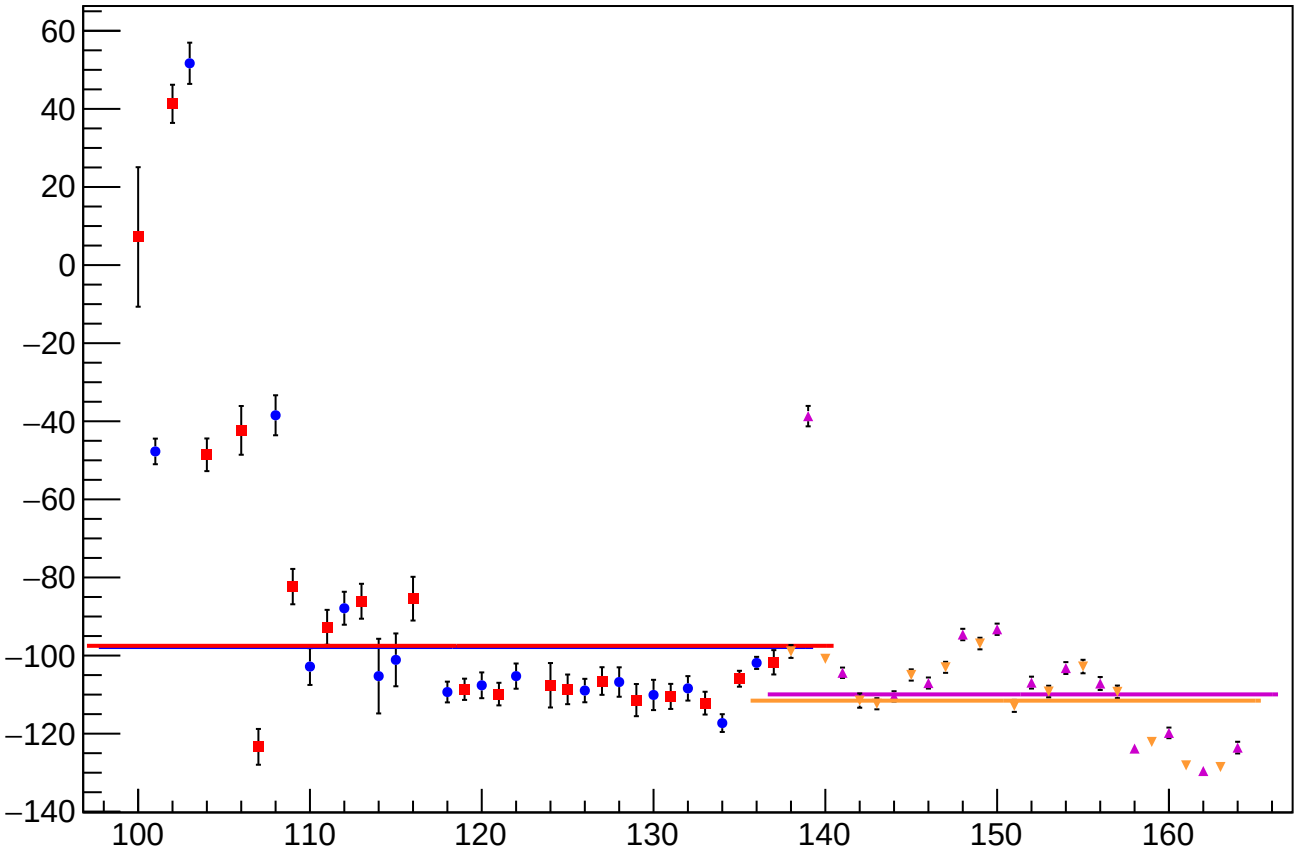
Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -41.211+/-0.310 χ^2/NDF:3394.0/28

Out: -39.689+/-0.303 χ^2/NDF:2406.5/32

All: -40.432+/-0.217 χ^2/NDF: 5812.8/61


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
160
Right In: -123.039+/-0.750 χ²/NDF: 226.8/15
Left Out: -102.383+/-0.463 χ²/NDF:194.8/13
Right Out: -121.646+/-0.801 χ²/NDF: 424.5/18
Left In: -103.314+/-0.472 χ²/NDF:277.7/12
Left: -102.839+/-0.331 χ²/NDF: 474.5/26
Right: -122.388+/-0.548 χ²/NDF: 652.9/34
In: -108.916+/-0.400 χ²/NDF:999.8/28
Out: -107.205+/-0.401 χ²/NDF:1052.7/32
All: -108.063+/-0.283 χ²/NDF: 2061.6/61



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -111.548+/-0.385 χ^2/NDF:752.8/13

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -109.944+/-0.396 χ^2/NDF:1572.2/12

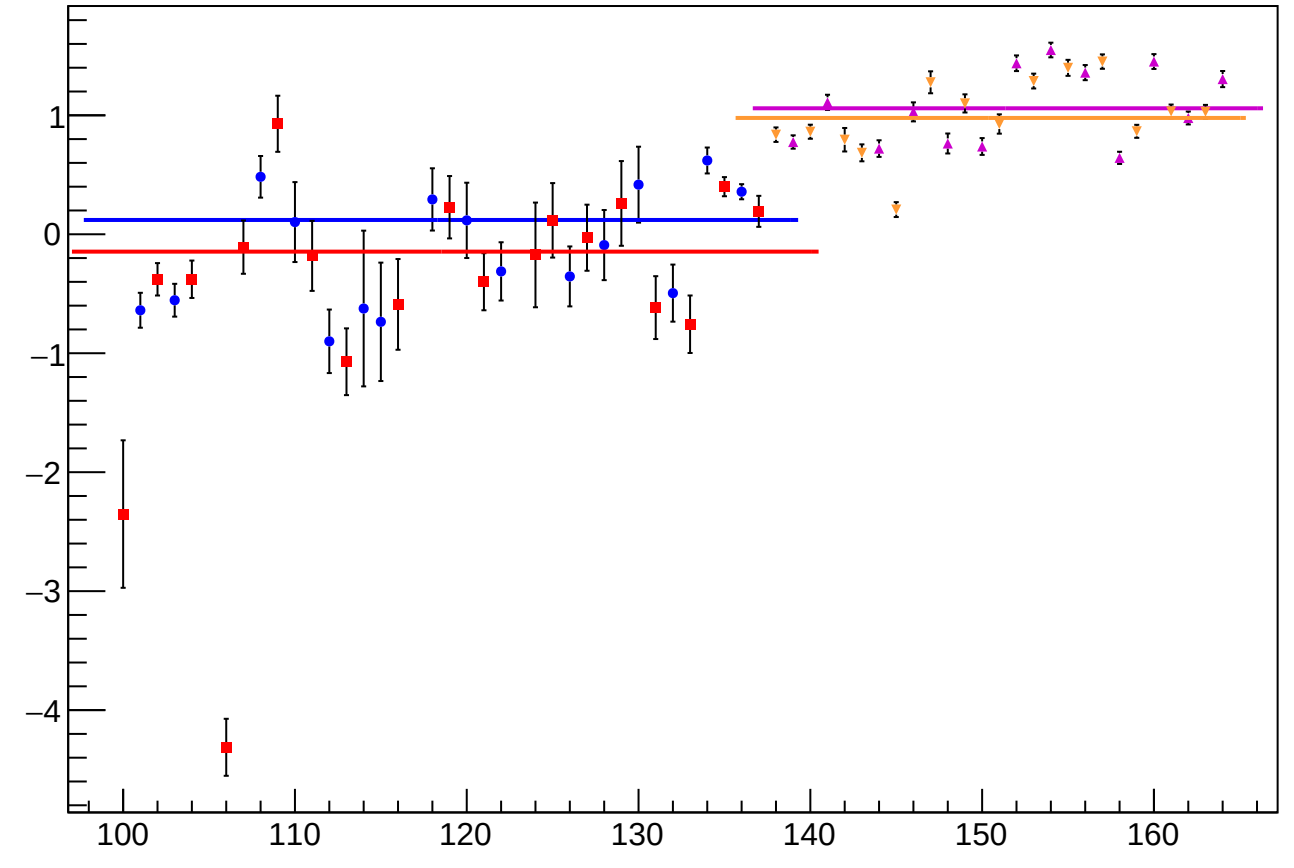
Left: -110.769+/-0.276 χ^2/NDF: 2333.4/26

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -107.522+/-0.354 χ^2/NDF:3090.2/28

Out: -109.123+/-0.350 χ^2/NDF:2219.0/32

All: -108.332+/-0.249 χ^2/NDF: 5319.6/61



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.978+/-0.018 χ^2/NDF:325.4/13

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 1.059+/-0.018 χ^2/NDF:322.3/12

Left: 1.018+/-0.012 χ^2/NDF: 658.2/26

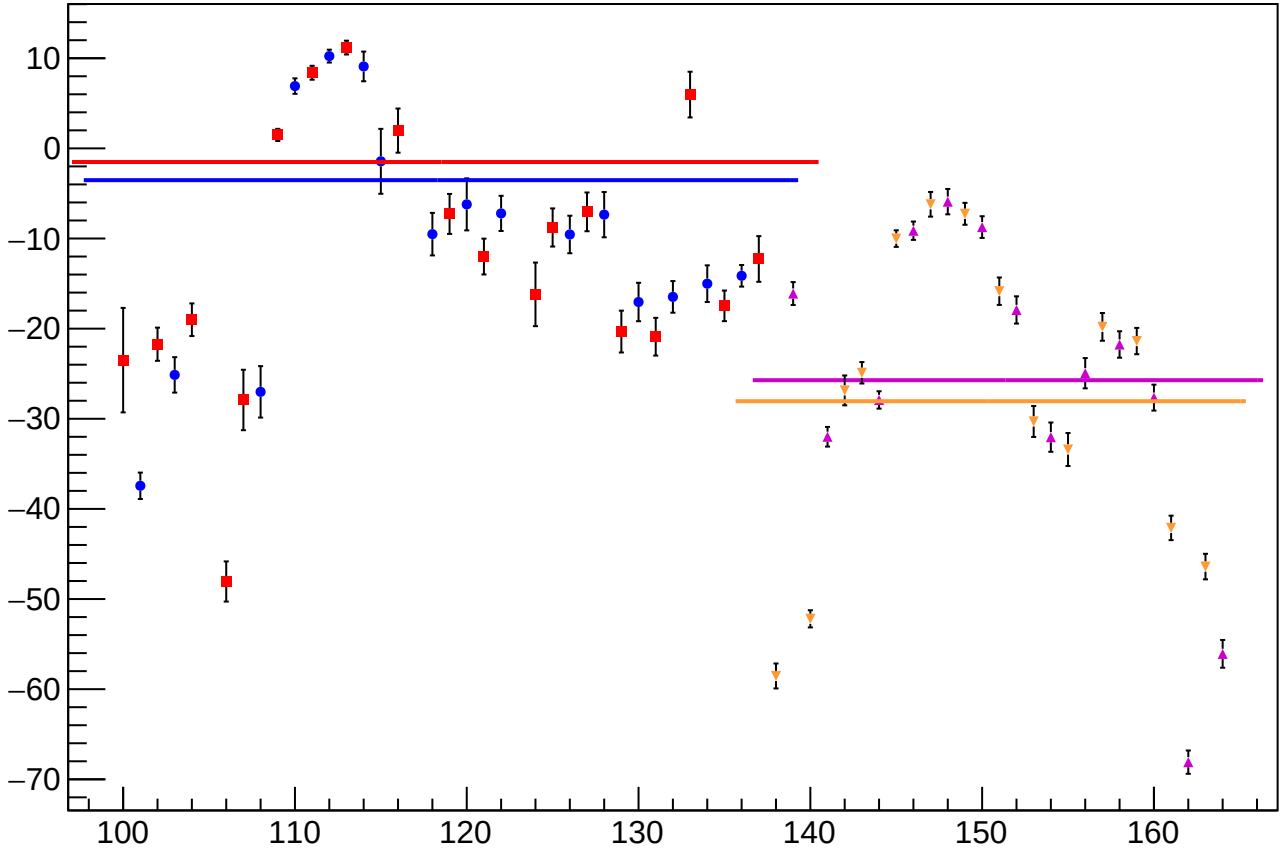
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.913+/-0.016 χ^2/NDF:884.2/28

Out: 0.828+/-0.016 χ^2/NDF:1289.8/32

All: 0.871+/-0.012 χ^2/NDF: 2187.5/61

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: -28.051+/-0.352 χ^2/NDF:2464.3/13

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -25.719+/-0.357 χ^2/NDF:2272.7/12

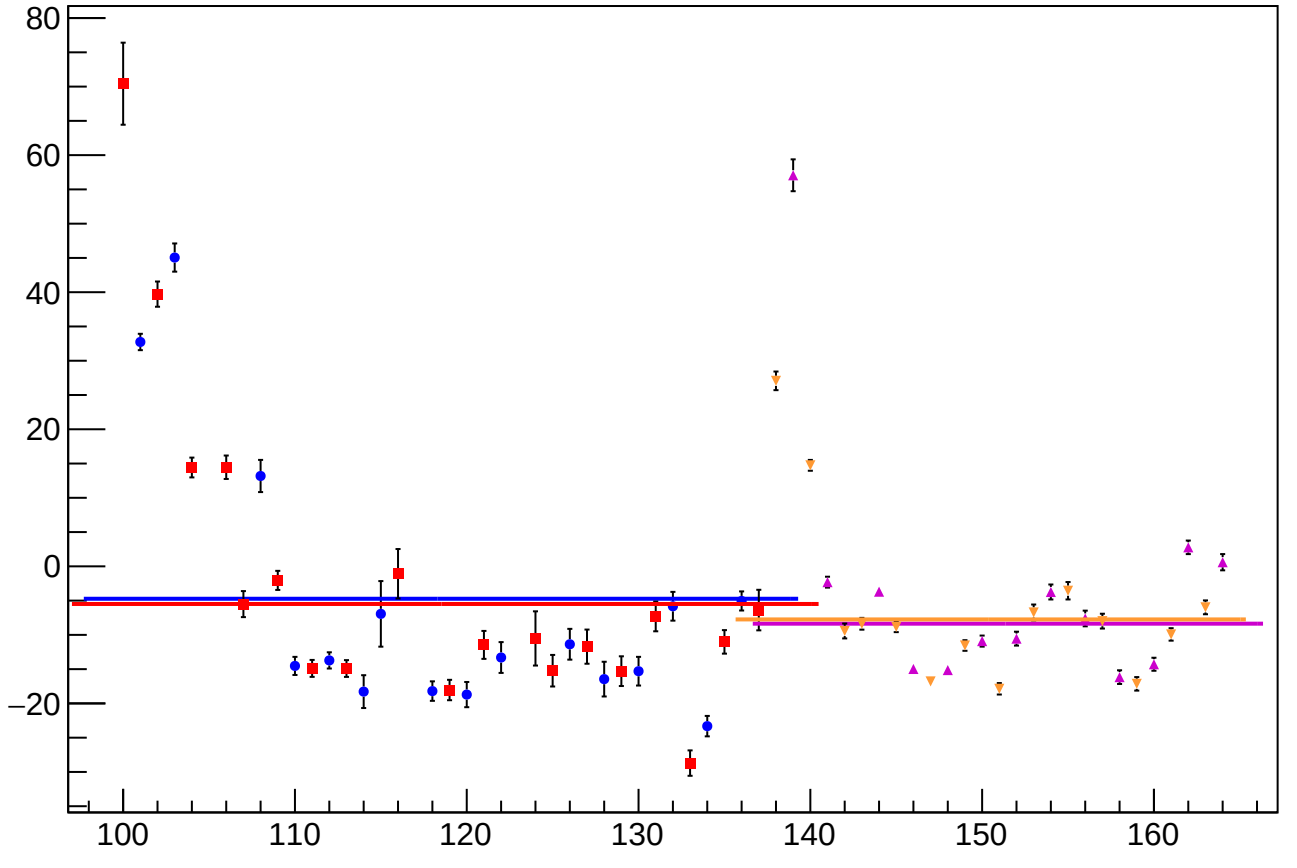
Left: -26.904+/-0.251 χ^2/NDF: 4758.7/26

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -15.211+/-0.259 χ^2/NDF:5628.5/28

Out: -14.274+/-0.244 χ^2/NDF:6945.4/32

All: -14.714+/-0.178 χ^2/NDF: 12580.8/61



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.745+/-0.242 χ^2/NDF:1956.1/13

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -8.365+/-0.245 χ^2/NDF:1428.9/12

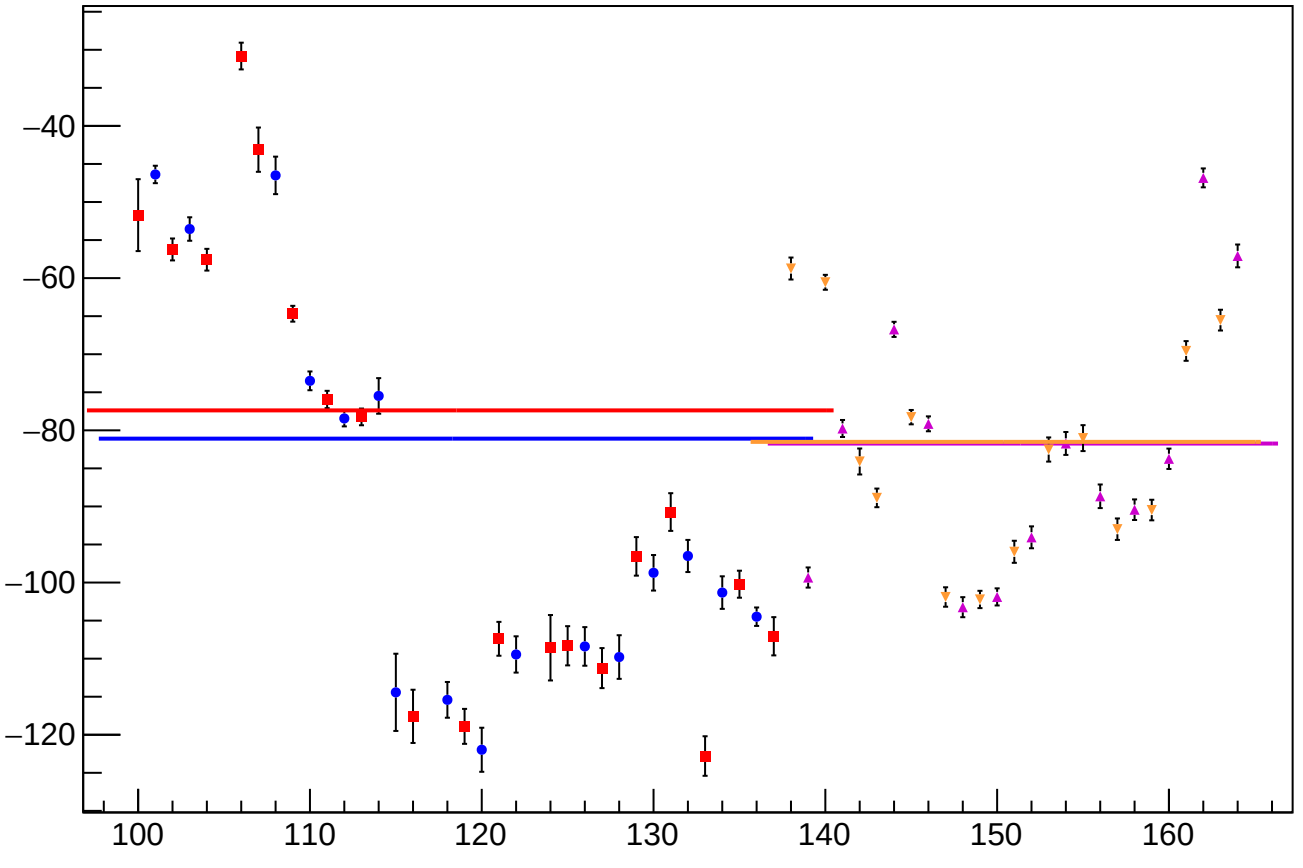
Left: -8.051+/-0.172 χ^2/NDF: 3388.2/26

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -7.474+/-0.213 χ^2/NDF:3630.6/28

Out: -7.187+/-0.210 χ^2/NDF:3486.1/32

All: -7.328+/-0.150 χ^2/NDF: 7117.6/61



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -81.516+/-0.344 χ^2/NDF:1775.0/13

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -81.737+/-0.347 χ^2/NDF:2198.1/12

Left: -81.626+/-0.244 χ^2/NDF: 3973.3/26

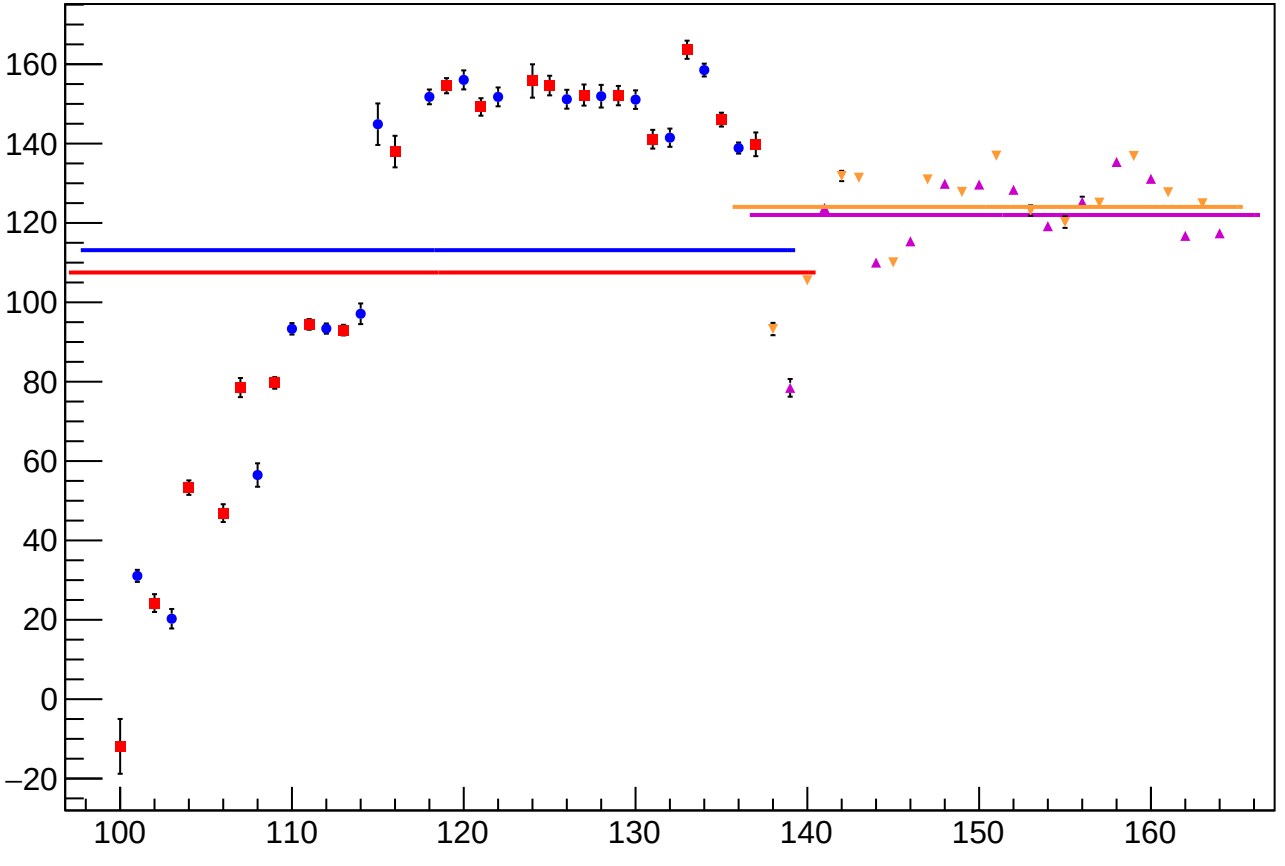
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -81.489+/-0.272 χ^2/NDF:5069.8/28

Out: -79.838+/-0.265 χ^2/NDF:4963.2/32

All: -80.644+/-0.190 χ^2/NDF: 10051.8/61

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: 124.043+/-0.285 χ^2/NDF:1516.8/13

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 122.010+/-0.287 χ^2/NDF:1125.9/12

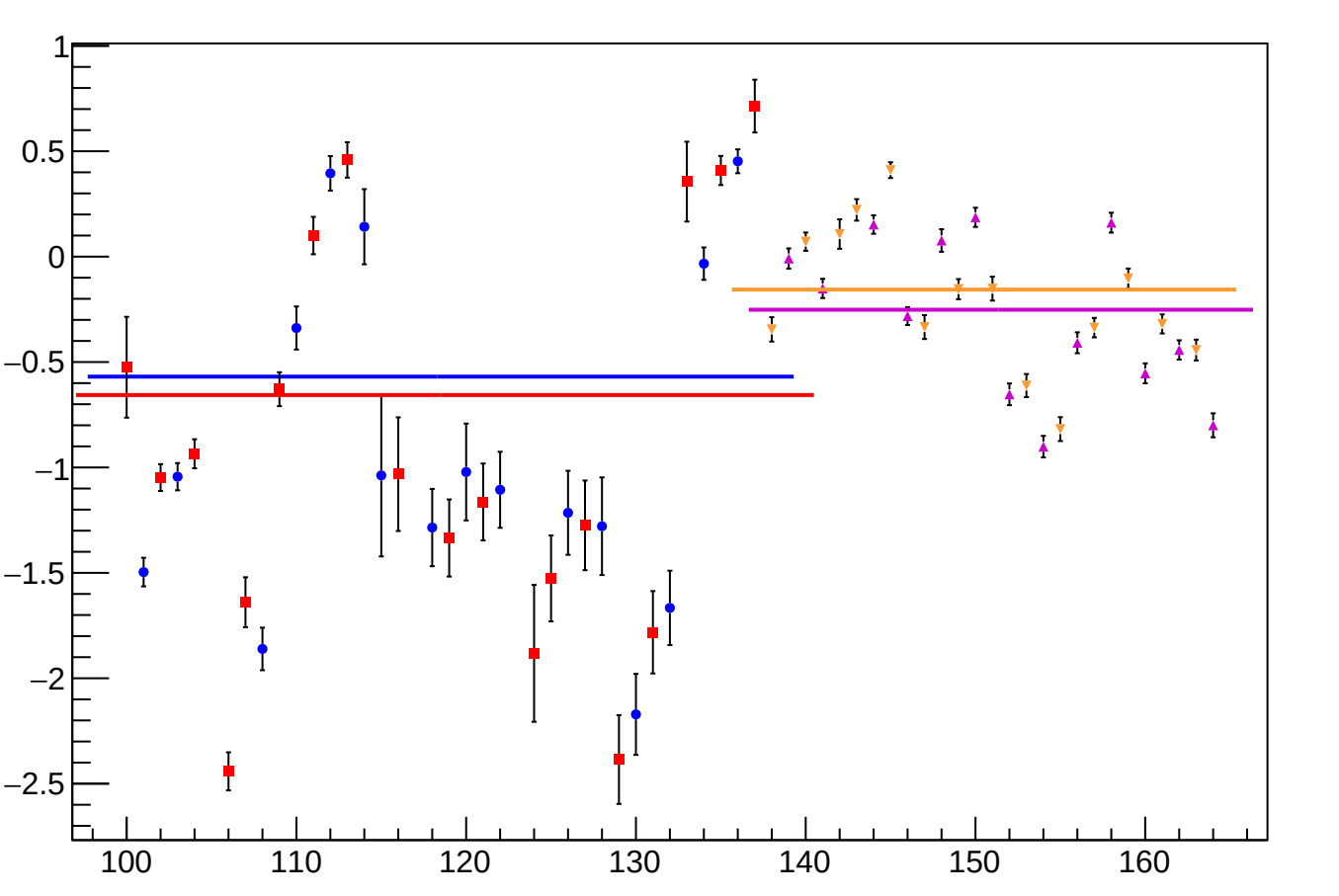
Left: 123.035+/-0.202 χ^2/NDF: 2668.1/26

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

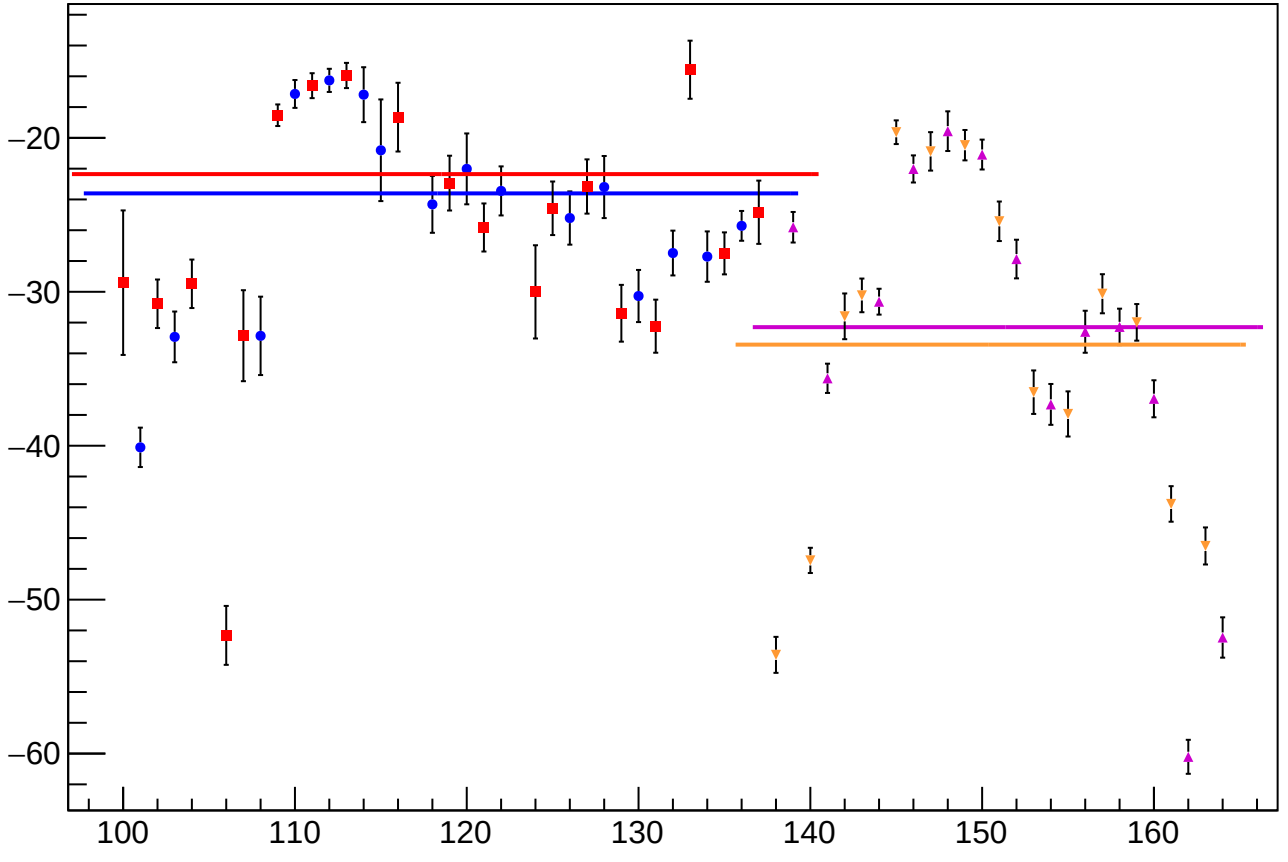
In: 119.736+/-0.248 χ^2/NDF:9574.5/28

Out: 119.733+/-0.245 χ^2/NDF:9939.7/32

All: 119.734+/-0.174 χ^2/NDF: 19514.2/61


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
Right In: -0.569+/-0.026 χ²/NDF: 1097.4/15
Left Out: -0.156+/-0.013 χ²/NDF:615.2/13
Right Out: -0.656+/-0.025 χ²/NDF: 1315.2/18
Left In: -0.252+/-0.013 χ²/NDF:706.2/12
Left: -0.204+/-0.009 χ²/NDF: 1347.2/26
Right: -0.614+/-0.018 χ²/NDF: 2418.5/34
In: -0.318+/-0.012 χ²/NDF:1923.2/28
Out: -0.265+/-0.012 χ²/NDF:2238.5/32
All: -0.291+/-0.008 χ²/NDF: 4172.0/61

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: -33.432+/-0.299 χ^2/NDF:1454.2/13

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -32.297+/-0.301 χ^2/NDF:1343.8/12

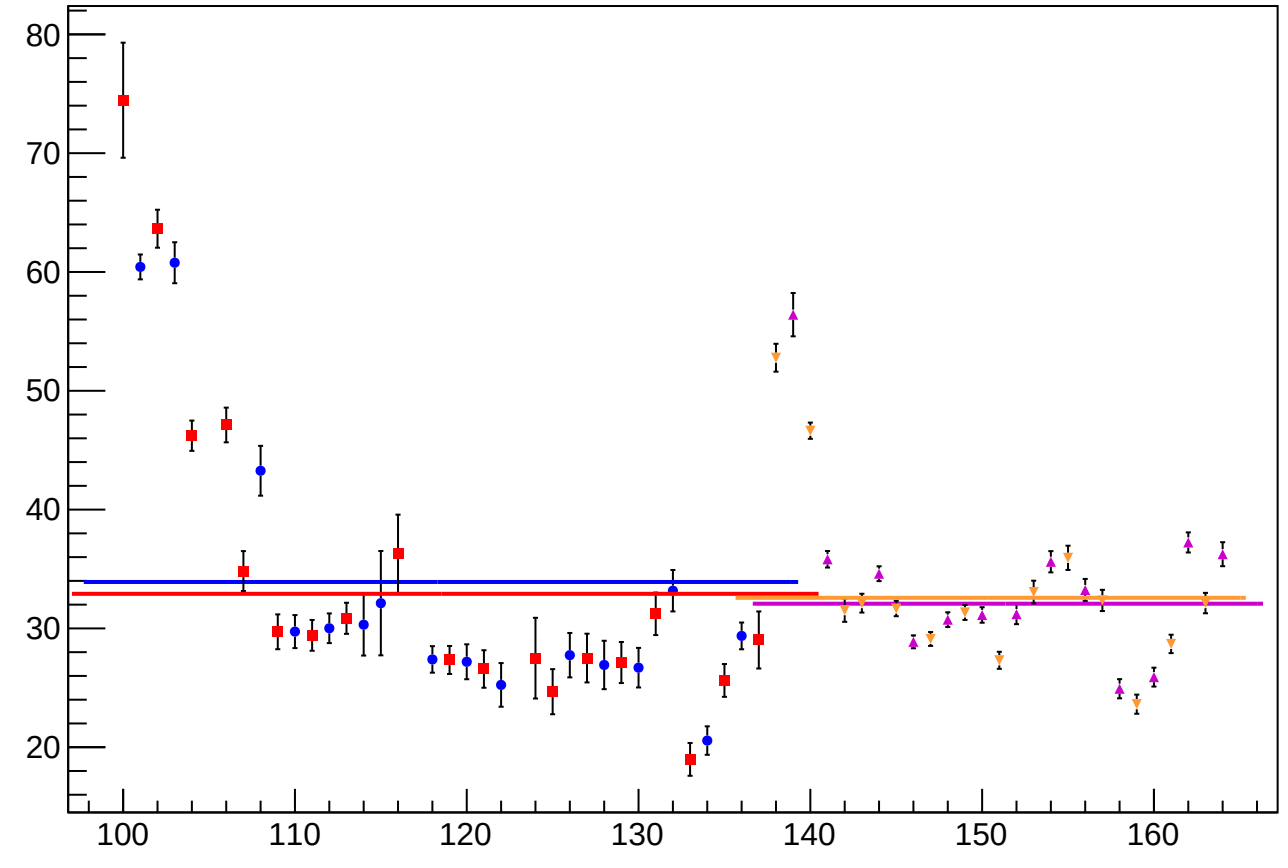
Left: -32.869+/-0.212 χ^2/NDF: 2805.2/26

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -28.581+/-0.228 χ^2/NDF:2106.5/28

Out: -28.303+/-0.219 χ^2/NDF:2642.5/32

All: -28.437+/-0.158 χ^2/NDF: 4749.8/61



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.576+/-0.208 χ^2/NDF:978.5/13

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 32.080+/-0.210 χ^2/NDF:476.8/12

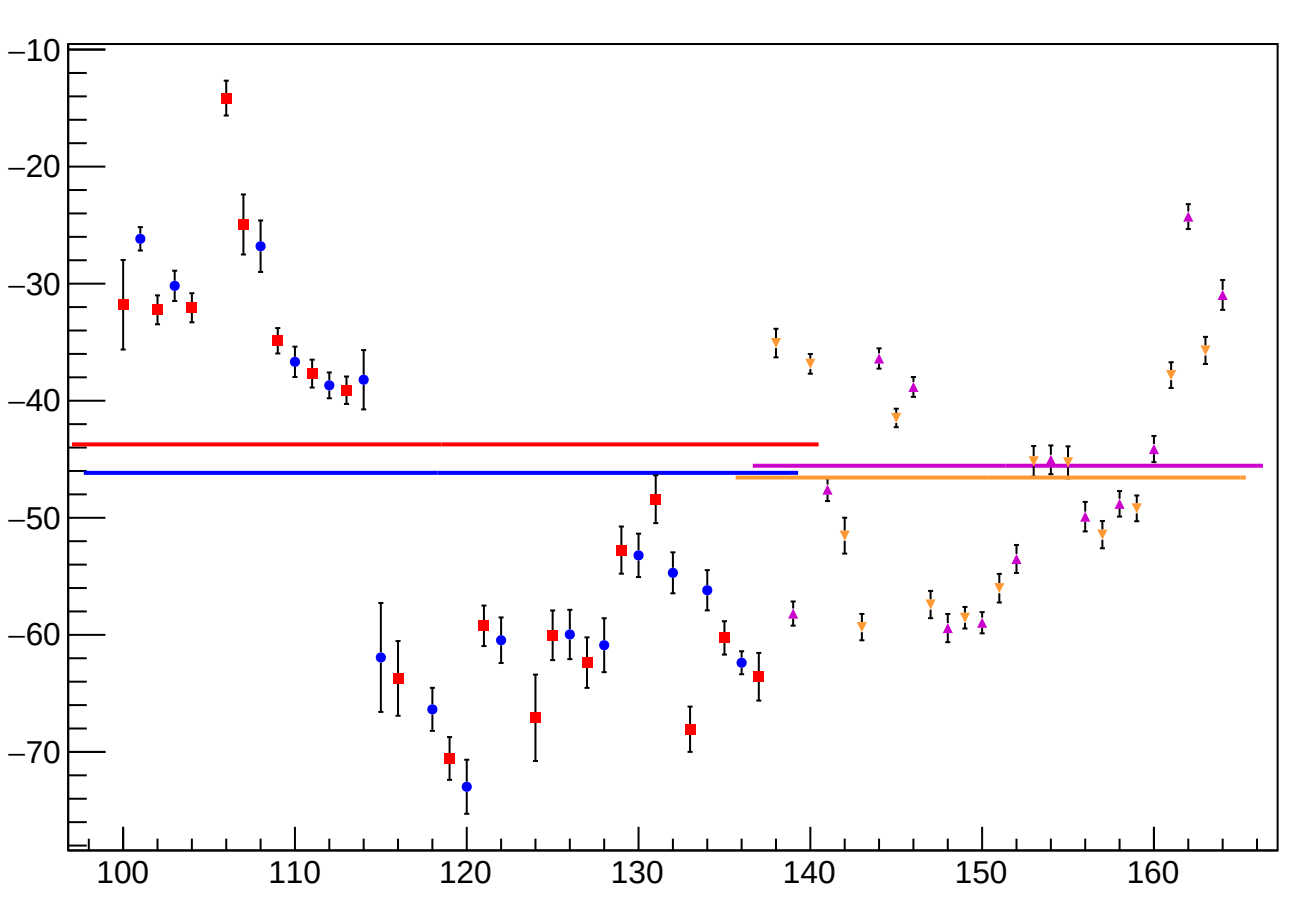
Left: 32.331+/-0.148 χ^2/NDF: 1458.1/26

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.517+/-0.184 χ^2/NDF:1679.3/28

Out: 32.655+/-0.181 χ^2/NDF:1854.0/32

All: 32.587+/-0.129 χ^2/NDF: 3533.7/61



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -46.562+/-0.292 χ^2/NDF:894.1/13

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -45.553+/-0.292 χ^2/NDF:1279.2/12

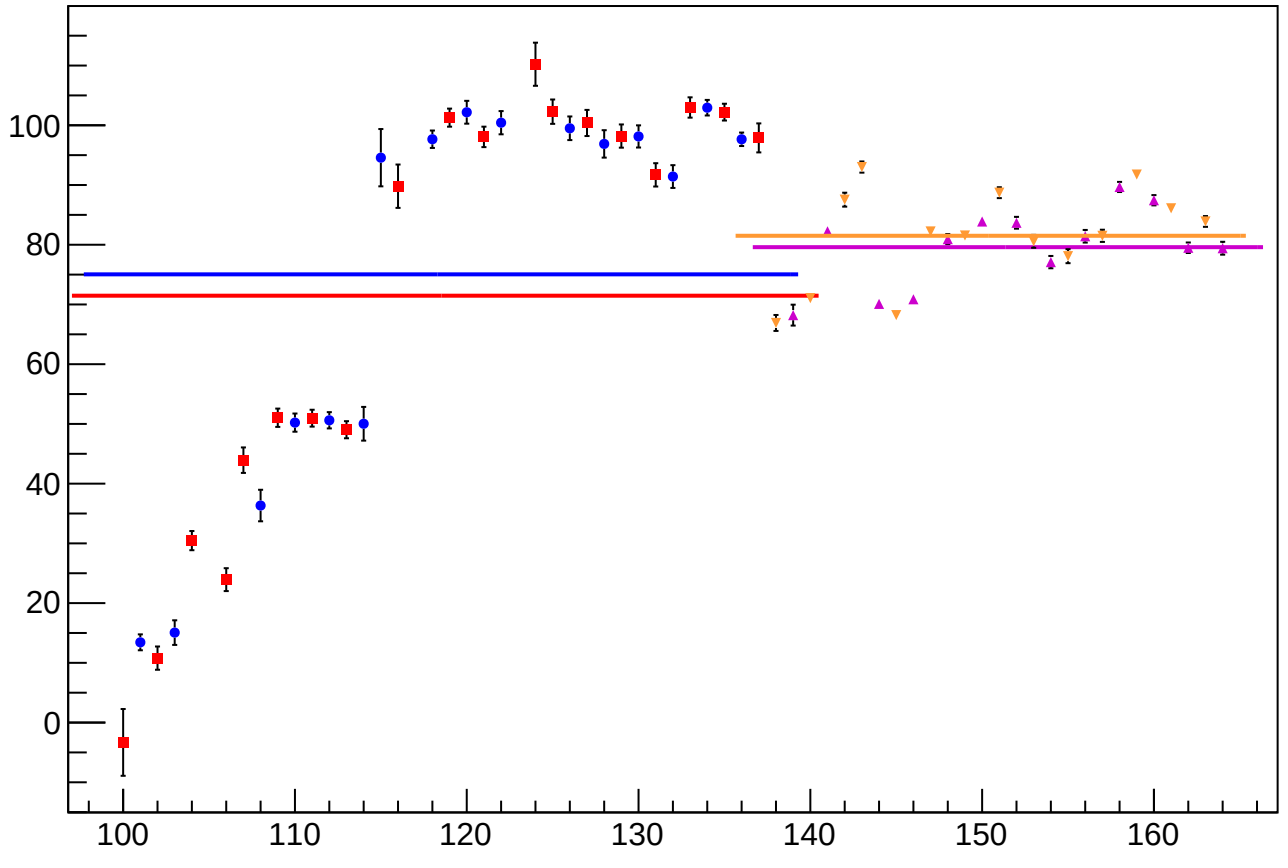
Left: -46.057+/-0.206 χ^2/NDF: 2179.2/26

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -45.771+/-0.234 χ^2/NDF:2770.4/28

Out: -45.505+/-0.231 χ^2/NDF:2592.6/32

All: -45.637+/-0.164 χ^2/NDF: 5363.6/61



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 81.501+/-0.243 χ^2/NDF:1043.0/13

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 79.594+/-0.244 χ^2/NDF:677.8/12

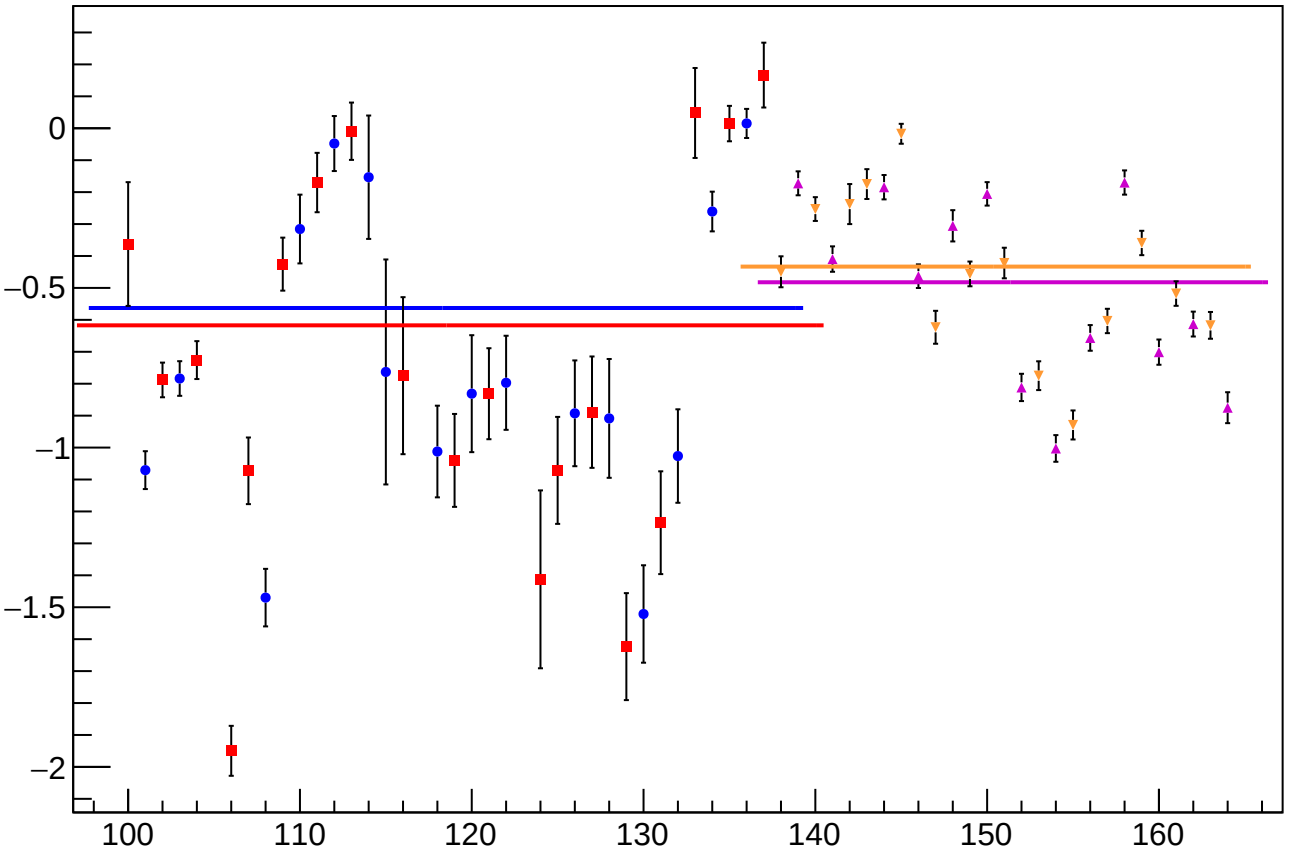
Left: 80.552+/-0.172 χ^2/NDF: 1751.5/26

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 78.474+/-0.212 χ^2/NDF:6591.6/28

Out: 79.036+/-0.211 χ^2/NDF:7090.3/32

All: 78.756+/-0.150 χ^2/NDF: 13685.4/61



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.433+/-0.011 χ^2/NDF:479.9/13

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.482+/-0.011 χ^2/NDF:611.4/12

Left: -0.458+/-0.008 χ^2/NDF: 1101.0/26

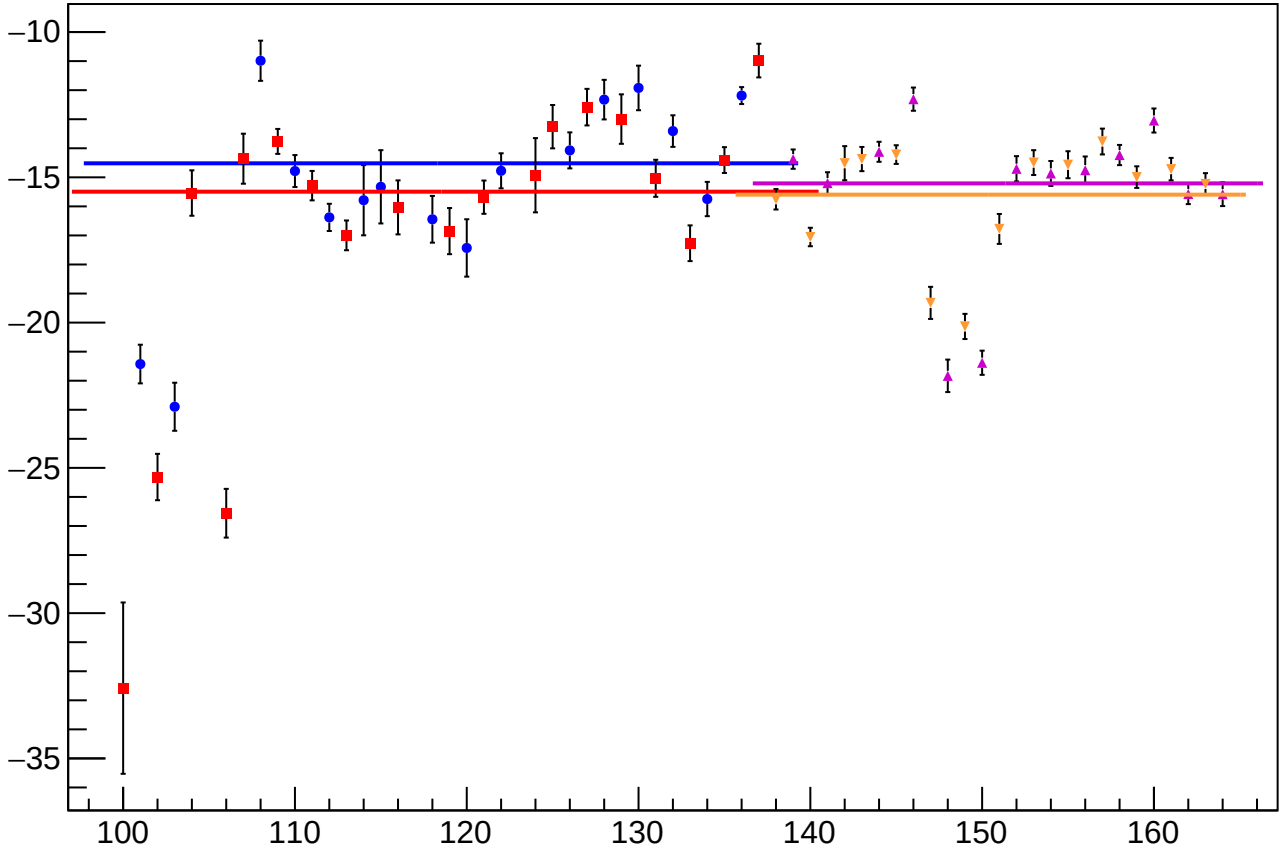
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.498+/-0.010 χ^2/NDF:1115.0/28

Out: -0.471+/-0.010 χ^2/NDF:1224.7/32

All: -0.485+/-0.007 χ^2/NDF: 2343.6/61

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: -15.596+/-0.108 χ^2/NDF:249.4/13

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.208+/-0.109 χ^2/NDF:469.7/12

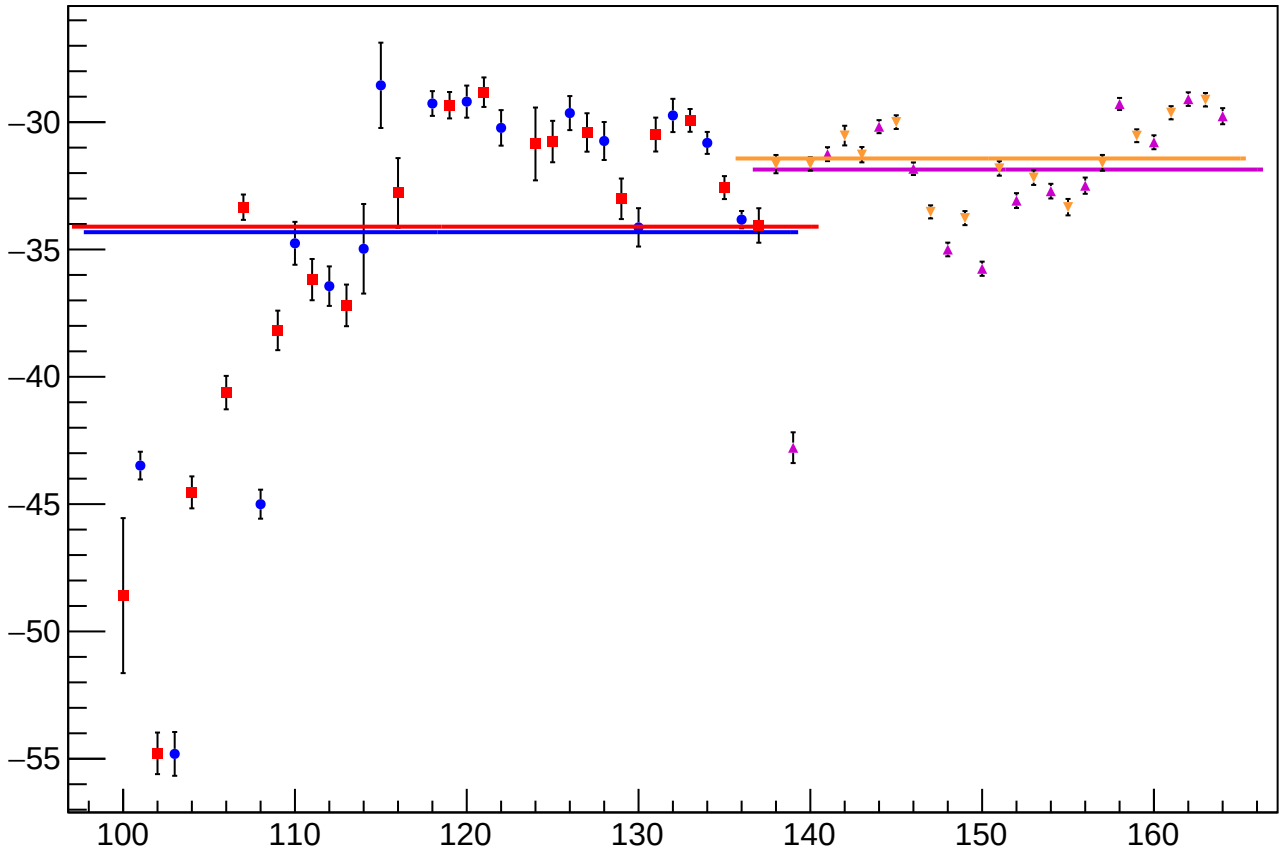
Left: -15.404+/-0.077 χ^2/NDF: 725.4/26

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.967+/-0.088 χ^2/NDF:846.9/28

Out: -15.561+/-0.088 χ^2/NDF:753.5/32

All: -15.265+/-0.062 χ^2/NDF: 1623.2/61



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.426+/-0.077 χ^2/NDF:353.0/13

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.861+/-0.078 χ^2/NDF:1019.8/12

Left: -31.639+/-0.055 χ^2/NDF: 1388.6/26

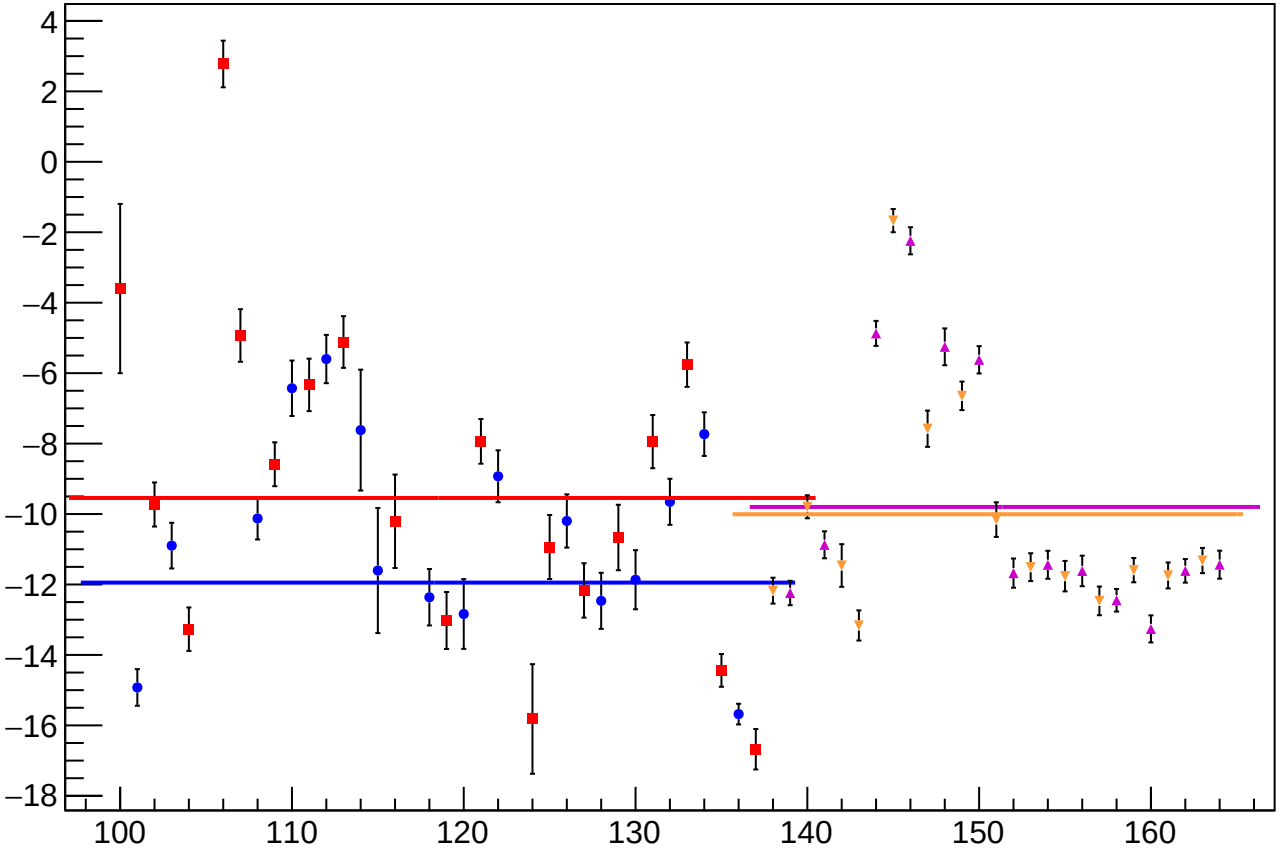
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -32.370+/-0.070 χ^2/NDF:2844.5/28

Out: -31.956+/-0.069 χ^2/NDF:2029.9/32

All: -32.159+/-0.049 χ^2/NDF: 4892.4/61

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: -10.005+/-0.106 χ^2/NDF:948.8/13

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -9.798+/-0.106 χ^2/NDF:1077.7/12

Left: -9.902+/-0.075 χ^2/NDF: 2028.4/26

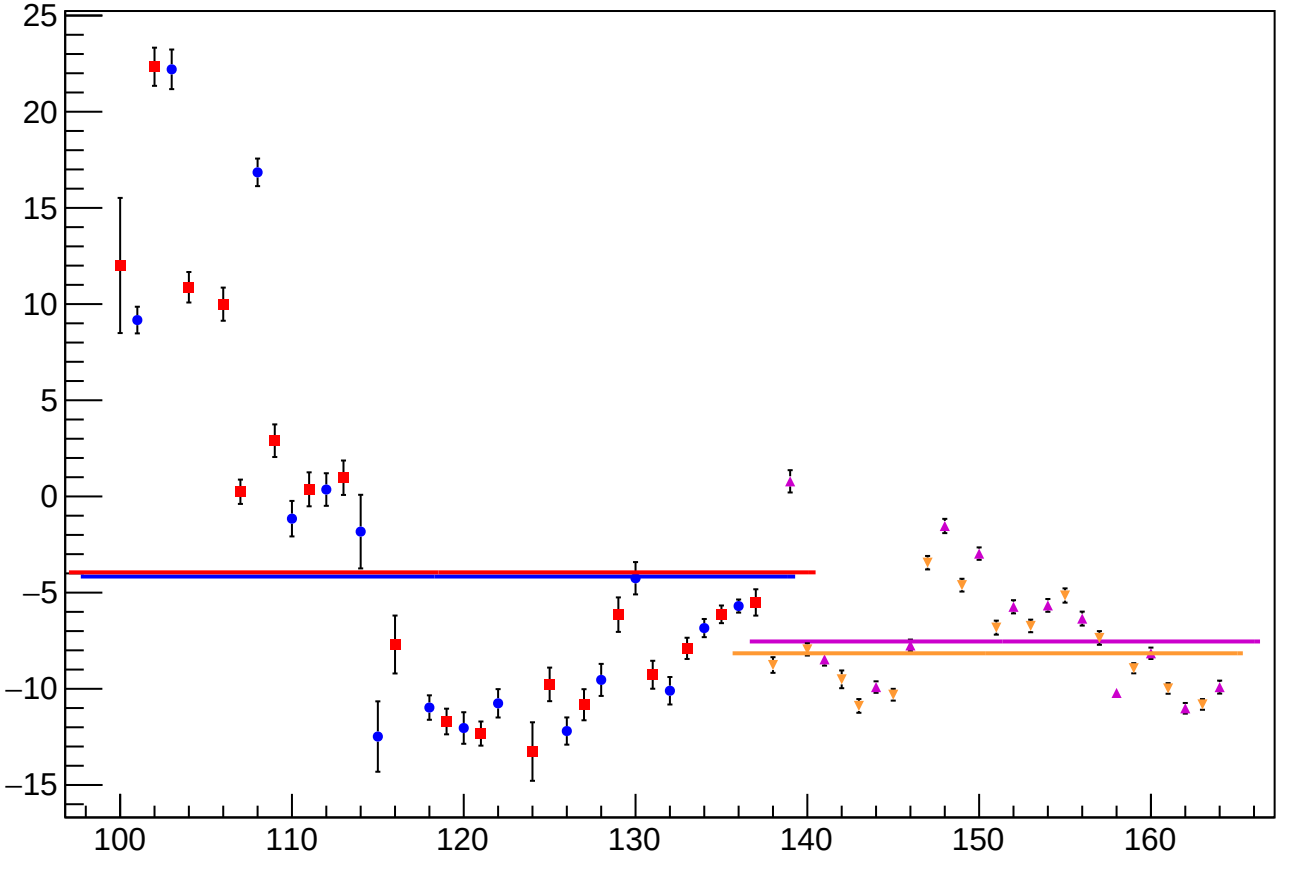
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -10.451+/-0.088 χ^2/NDF:1632.9/28

Out: -9.871+/-0.089 χ^2/NDF:1801.4/32

All: -10.164+/-0.063 χ^2/NDF: 3455.8/61

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.154+/-0.088 χ^2/NDF:660.1/13

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -7.540+/-0.089 χ^2/NDF:1135.9/12

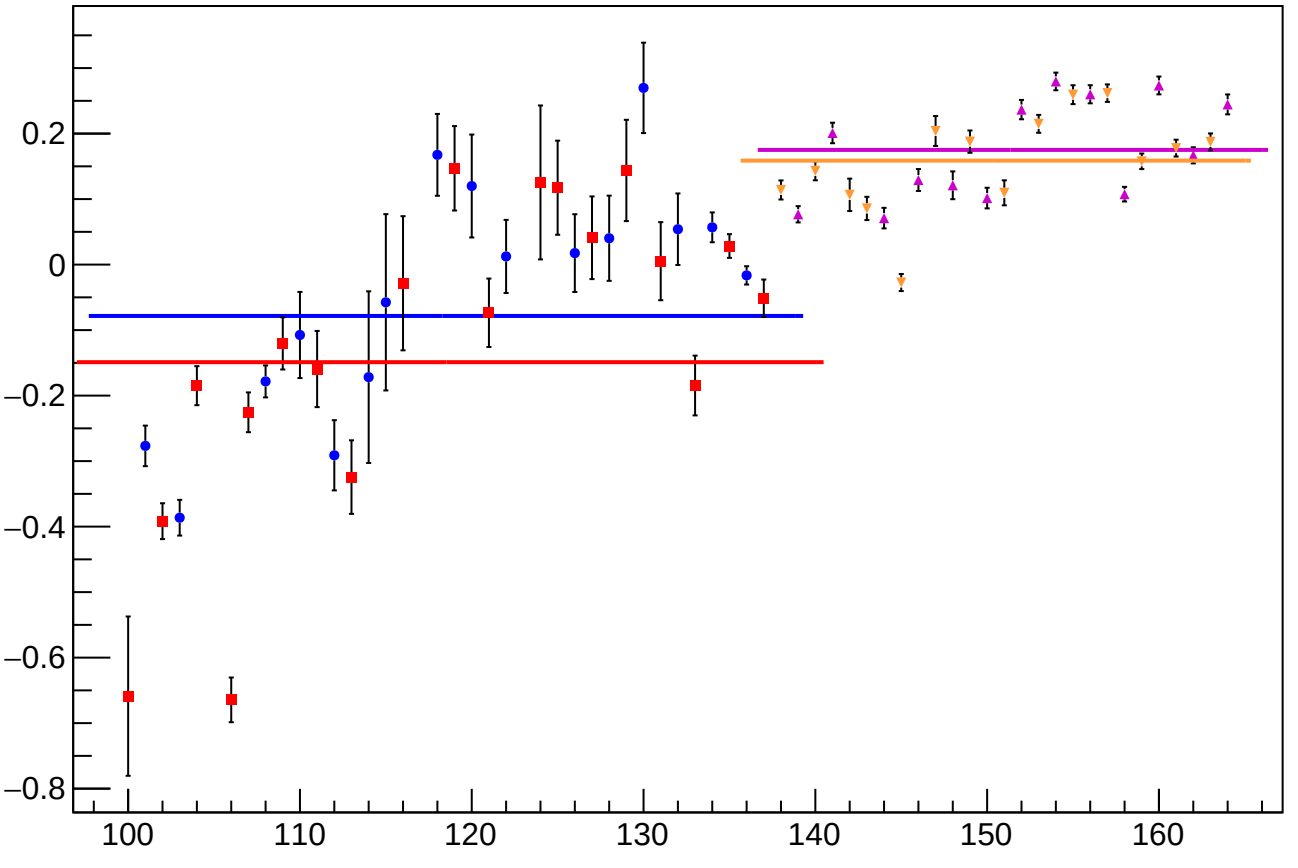
Left: -7.850+/-0.063 χ^2/NDF: 1820.0/26

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -6.824+/-0.079 χ^2/NDF:3964.8/28

Out: -7.311+/-0.079 χ^2/NDF:3227.0/32

All: -7.068+/-0.056 χ^2/NDF: 7210.9/61



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.159+/-0.004 χ^2/NDF:381.7/13

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.175+/-0.004 χ^2/NDF:370.5/12

Left: 0.167+/-0.003 χ^2/NDF: 760.7/26

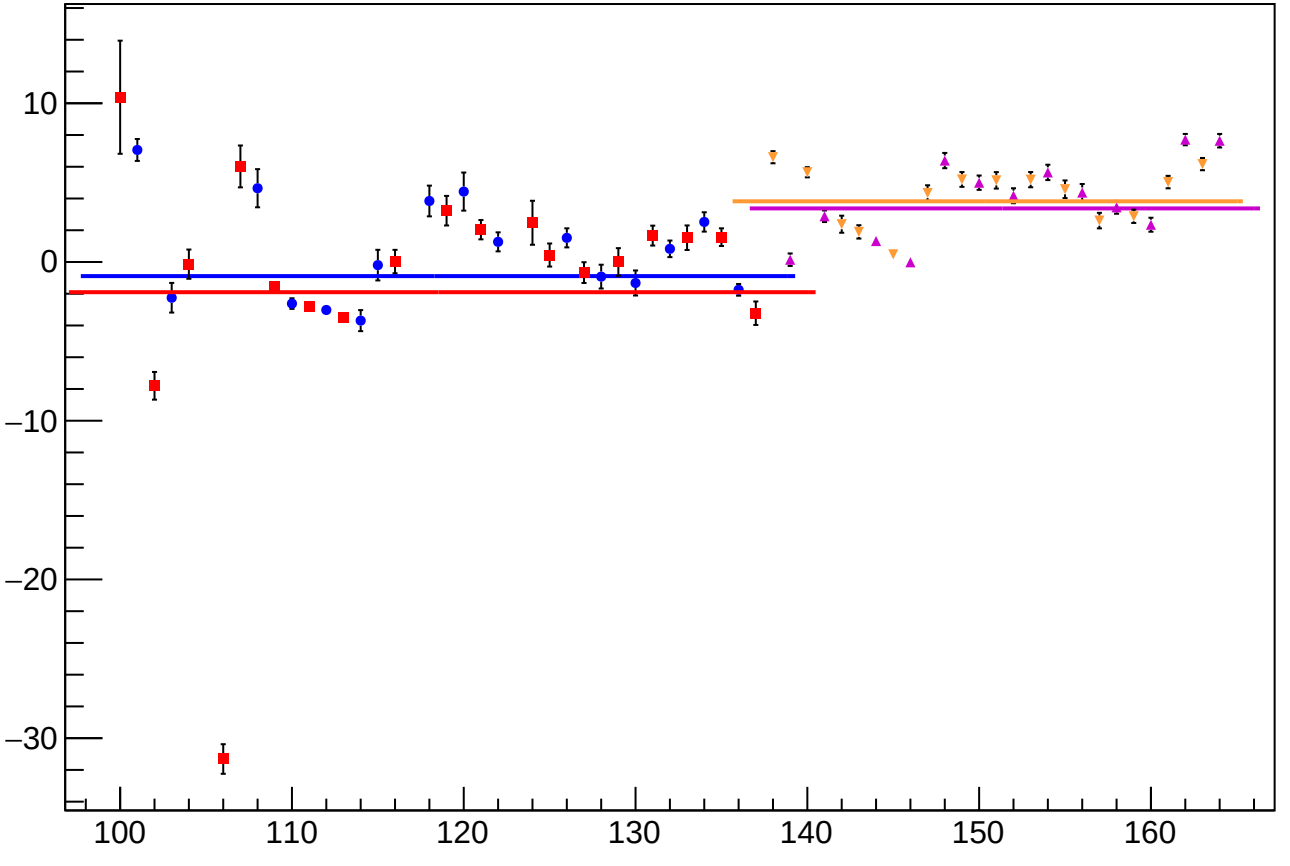
Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.131+/-0.004 χ^2/NDF:1410.9/28

Out: 0.109+/-0.004 χ^2/NDF:1871.1/32

All: 0.120+/-0.003 χ^2/NDF: 3299.7/61

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: 3.823+/-0.108 χ^2/NDF:383.5/13

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.375+/-0.109 χ^2/NDF:586.7/12

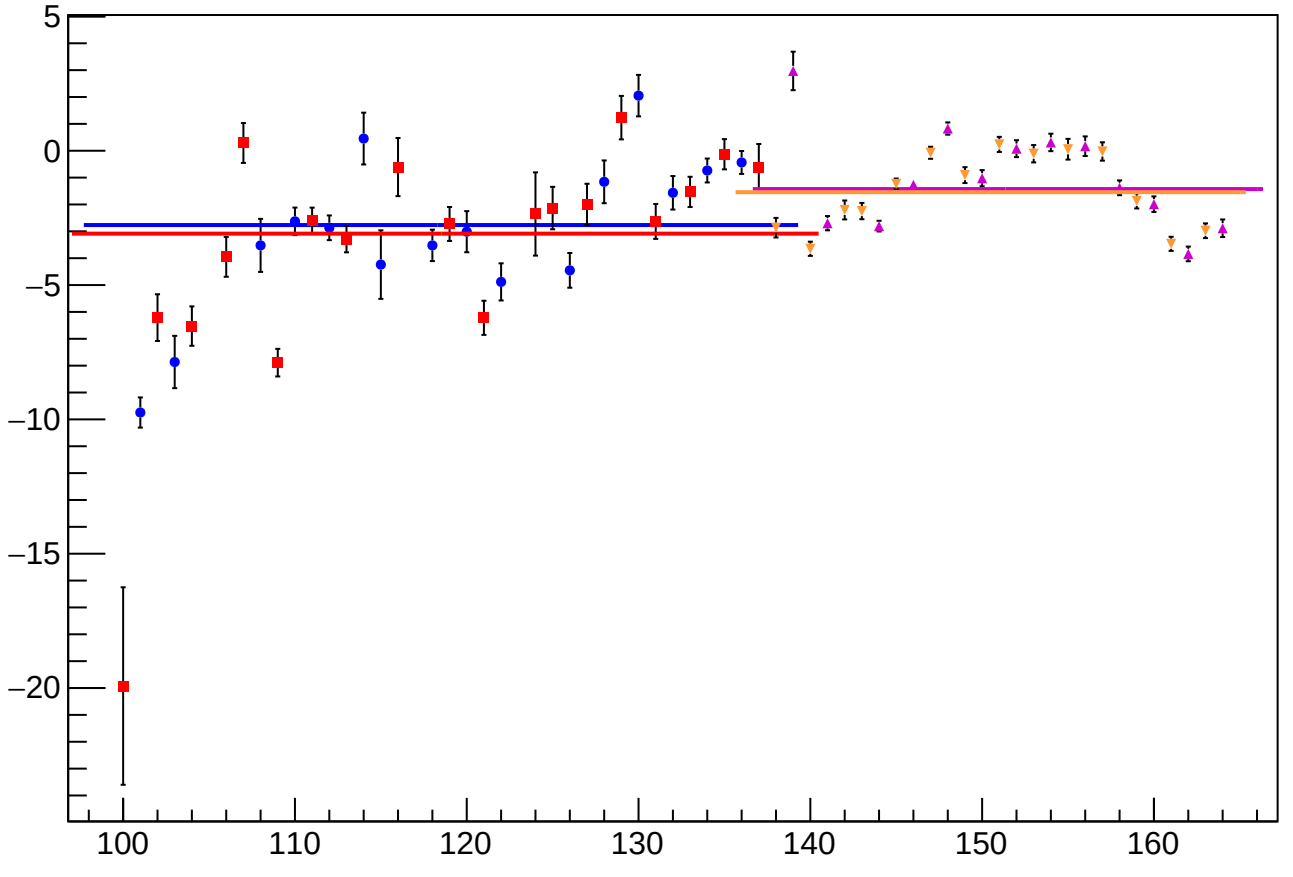
Left: 3.600+/-0.077 χ^2/NDF: 978.7/26

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.723+/-0.085 χ^2/NDF:1564.1/28

Out: 1.445+/-0.083 χ^2/NDF:2878.7/32

All: 1.580+/-0.059 χ^2/NDF: 4448.2/61



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.543+/-0.076 χ^2/NDF:314.2/13

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.427+/-0.075 χ^2/NDF:381.1/12

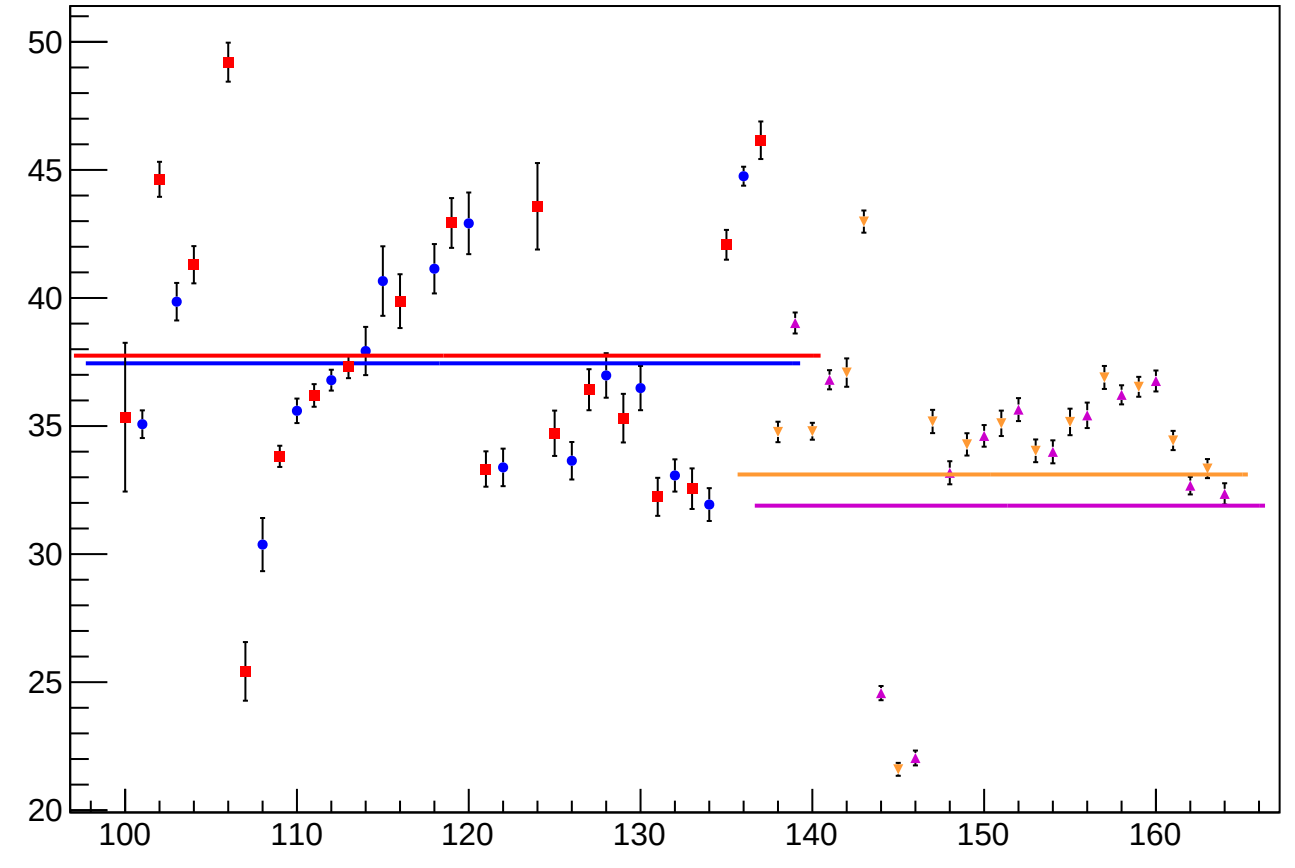
Left: -1.484+/-0.053 χ^2/NDF: 696.5/26

Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.677+/-0.068 χ^2/NDF:750.9/28

Out: -1.832+/-0.068 χ^2/NDF:664.6/32

All: -1.754+/-0.048 χ^2/NDF: 1418.1/61



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 33.109+/-0.106 χ^2/NDF:2920.3/13

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 31.892+/-0.105 χ^2/NDF:2797.0/12

Left: 32.496+/-0.075 χ^2/NDF: 5783.5/26

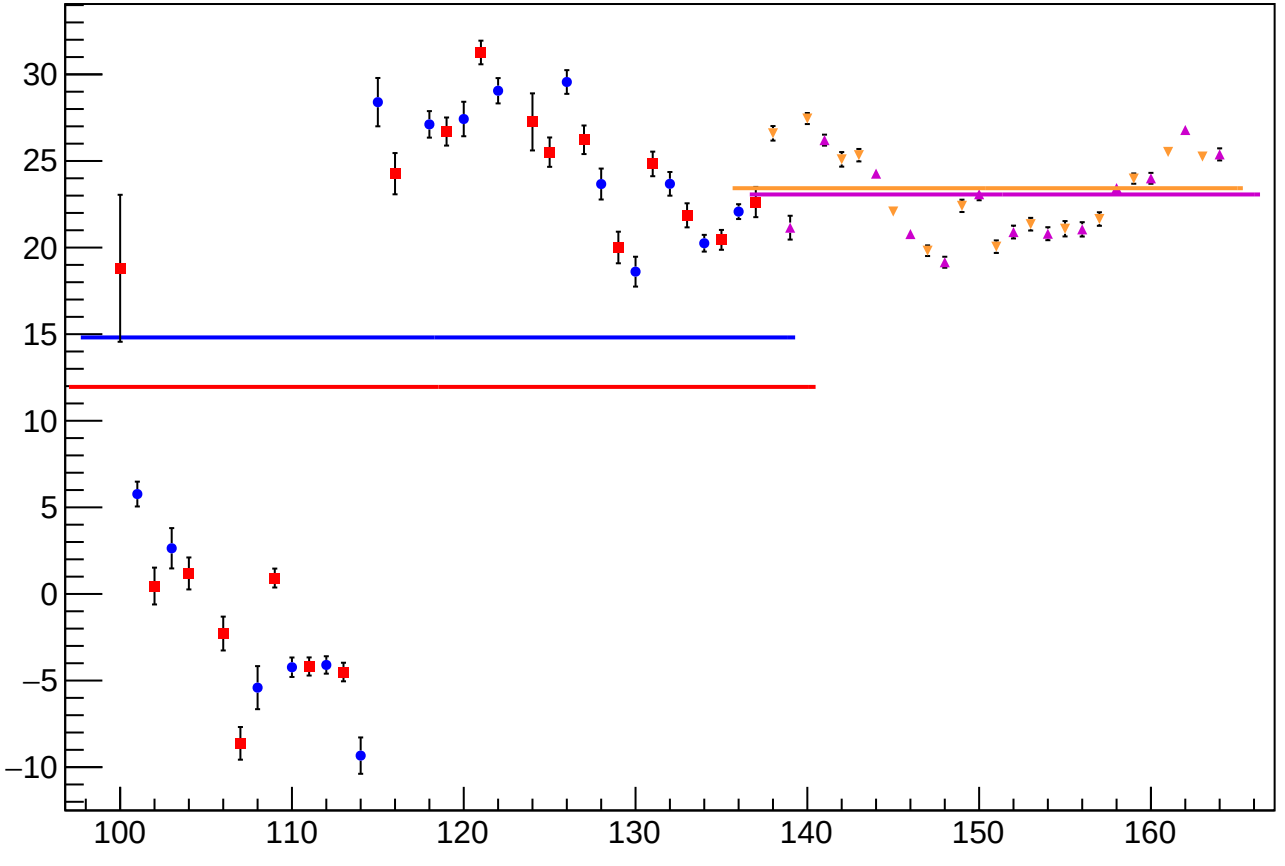
Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 33.565+/-0.088 χ^2/NDF:4339.5/28

Out: 34.536+/-0.088 χ^2/NDF:4470.5/32

All: 34.049+/-0.062 χ^2/NDF: 8870.5/61

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.428+/-0.088 χ^2/NDF:707.5/13

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.067+/-0.087 χ^2/NDF:710.8/12

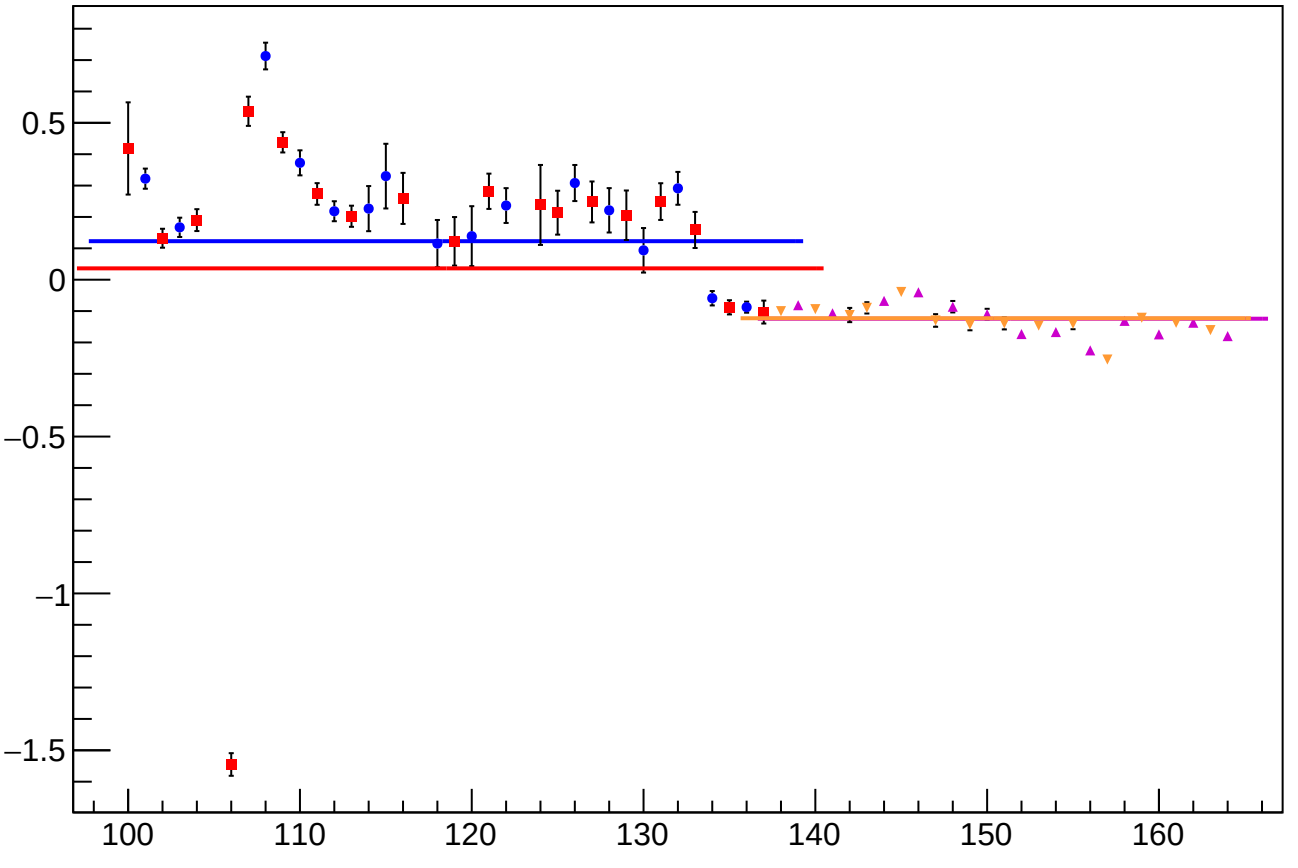
Left: 23.246+/-0.062 χ^2/NDF: 1426.8/26

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 21.409+/-0.078 χ^2/NDF:8198.5/28

Out: 21.151+/-0.079 χ^2/NDF:10187.5/32

All: 21.282+/-0.055 χ^2/NDF: 18391.4/61



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.123+/-0.004 χ^2/NDF:174.5/13

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.124+/-0.004 χ^2/NDF:164.7/12

Left: -0.124+/-0.003 χ^2/NDF: 339.2/26

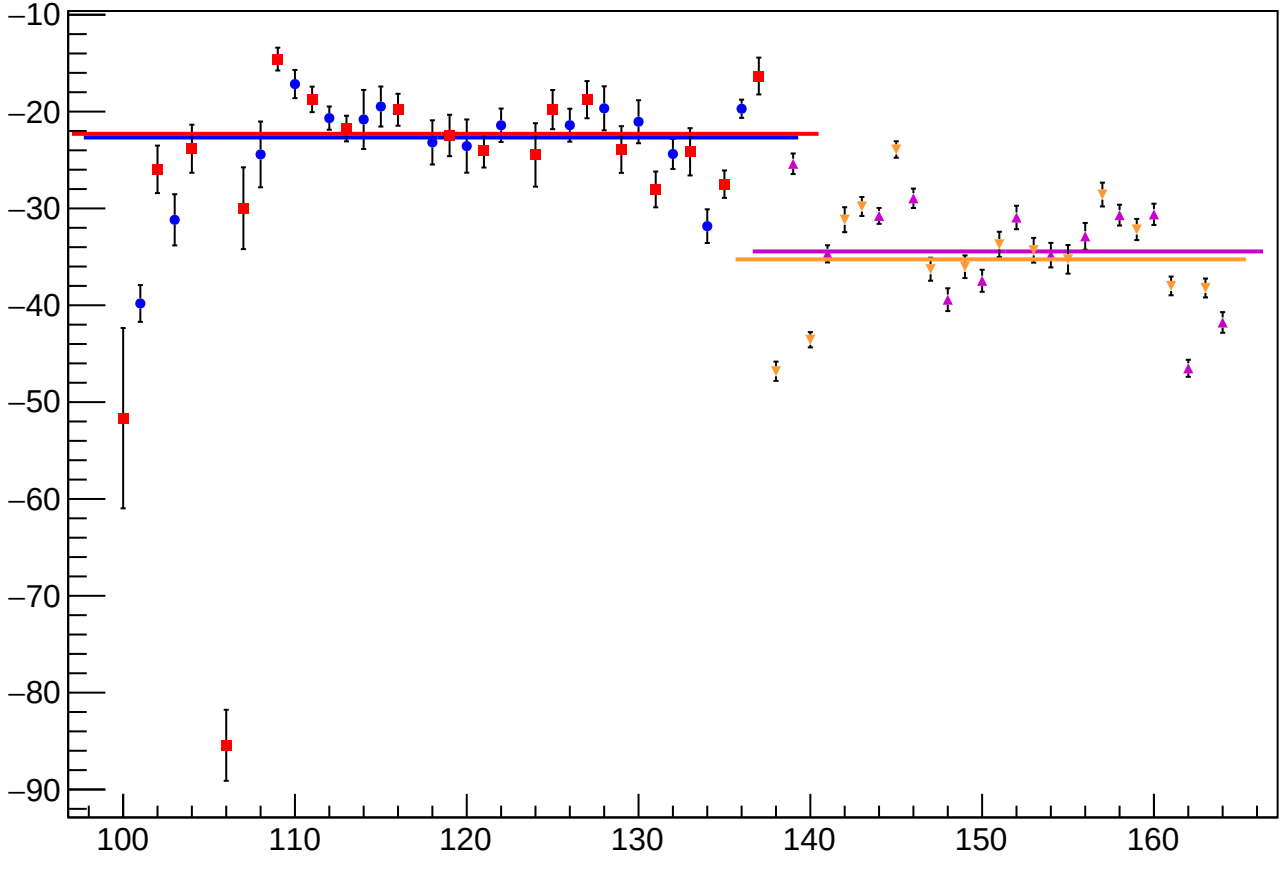
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.086+/-0.004 χ^2/NDF:1267.2/28

Out: -0.100+/-0.004 χ^2/NDF:2814.9/32

All: -0.093+/-0.003 χ^2/NDF: 4088.7/61

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.259+/-0.284 χ^2/NDF:523.3/13

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -34.441+/-0.291 χ^2/NDF:417.5/12

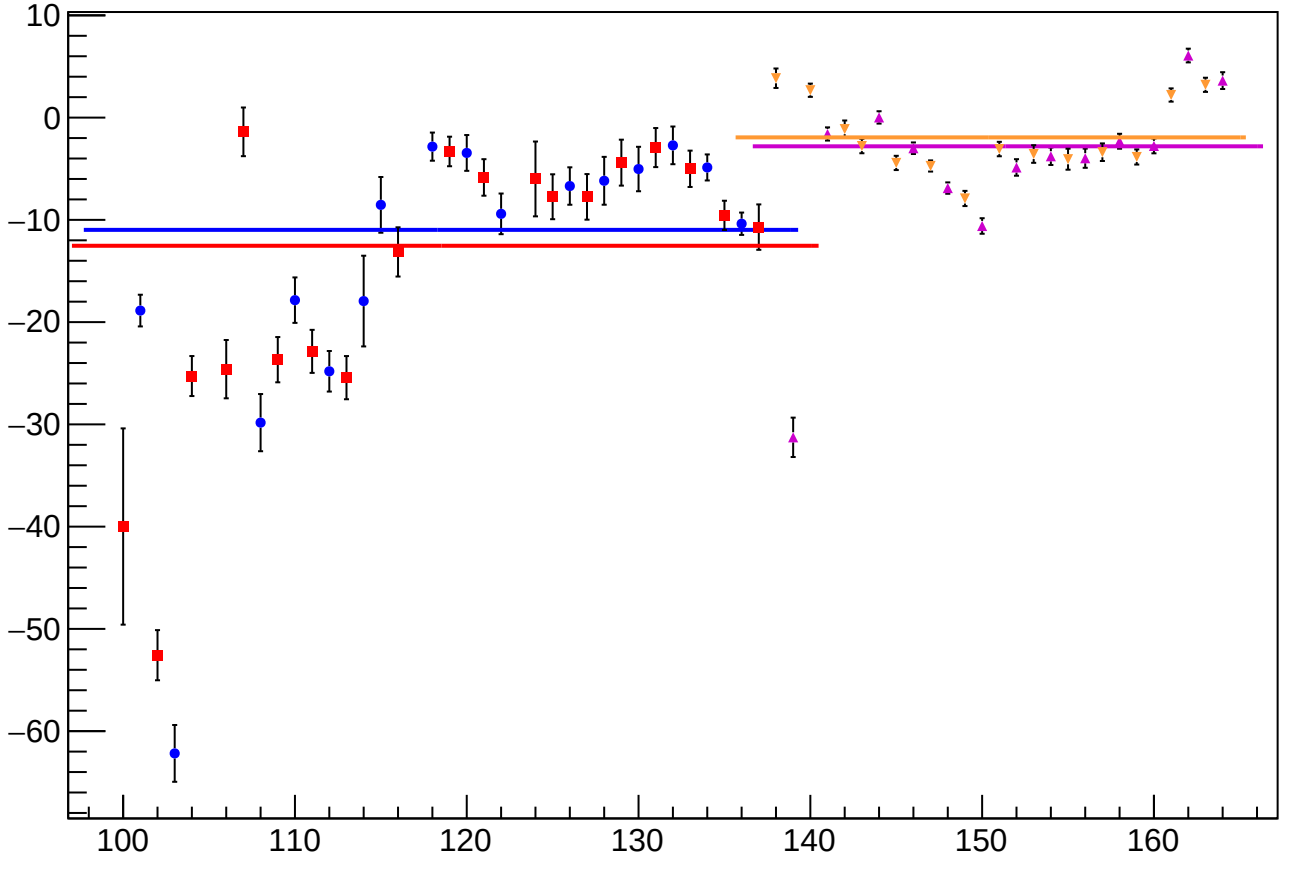
Left: -34.859+/-0.203 χ^2/NDF: 944.9/26

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -30.802+/-0.242 χ^2/NDF:1078.4/28

Out: -31.379+/-0.238 χ^2/NDF:1550.7/32

All: -31.095+/-0.170 χ^2/NDF: 2632.0/61



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -1.934+/-0.196 χ^2/NDF:309.5/13

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.807+/-0.200 χ^2/NDF:648.6/12

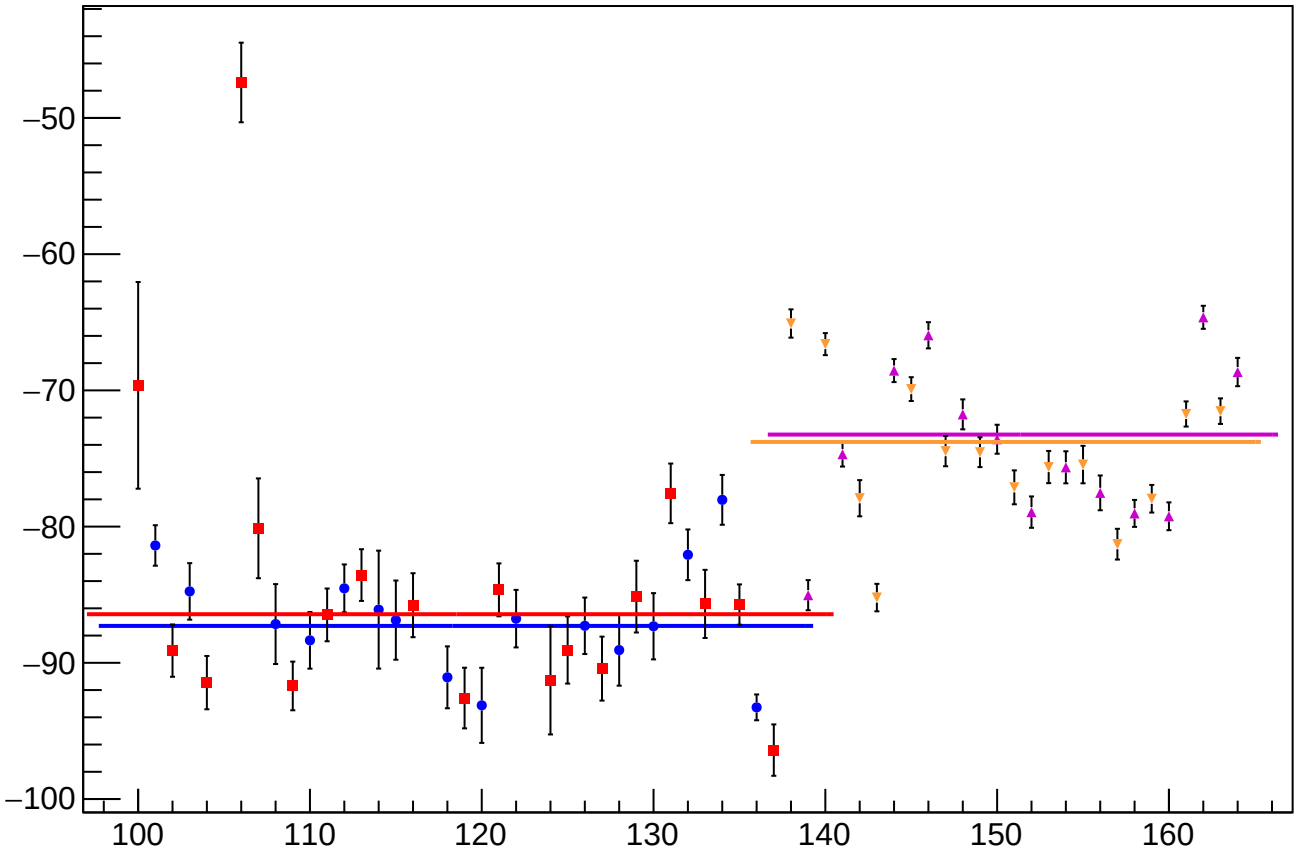
Left: -2.362+/-0.140 χ^2/NDF: 967.9/26

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -4.136+/-0.183 χ^2/NDF:1507.9/28

Out: -3.440+/-0.181 χ^2/NDF:1298.2/32

All: -3.785+/-0.129 χ^2/NDF: 2813.5/61



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -73.784+/-0.278 χ^2/NDF:390.4/13

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -73.244+/-0.282 χ^2/NDF:437.9/12

Left: -73.517+/-0.198 χ^2/NDF: 830.2/26

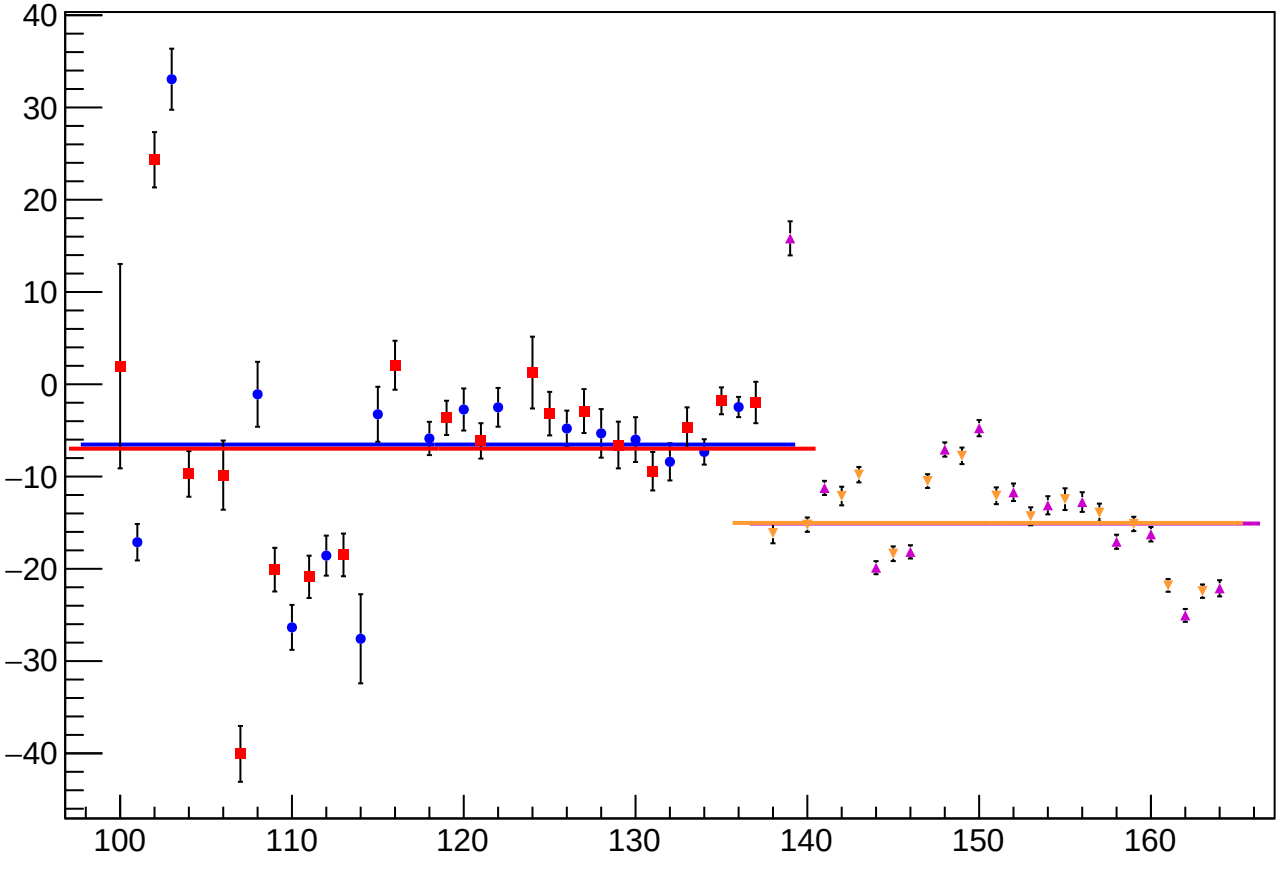
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -76.834+/-0.243 χ^2/NDF:1175.1/28

Out: -76.722+/-0.244 χ^2/NDF:1134.9/32

All: -76.778+/-0.172 χ^2/NDF: 2310.2/61

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: -15.026+/-0.229 χ^2/NDF:384.8/13

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -15.093+/-0.232 χ^2/NDF:911.4/12

Left: -15.059+/-0.163 χ^2/NDF: 1296.3/26

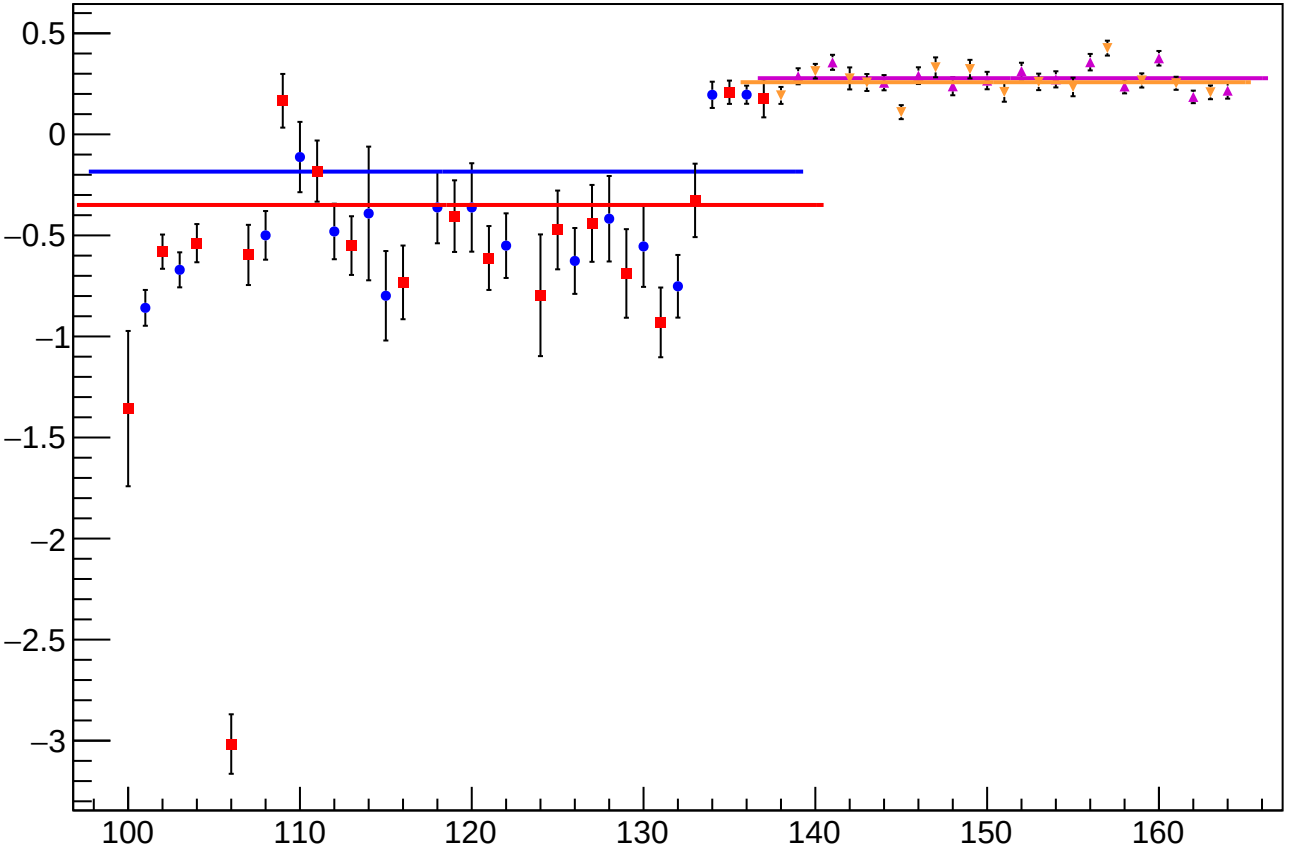
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -13.614+/-0.211 χ^2/NDF:1460.2/28

Out: -13.808+/-0.211 χ^2/NDF:940.4/32

All: -13.711+/-0.149 χ^2/NDF: 2401.1/61

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.258+/-0.011 χ^2/NDF:51.7/13

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.278+/-0.011 χ^2/NDF:30.5/12

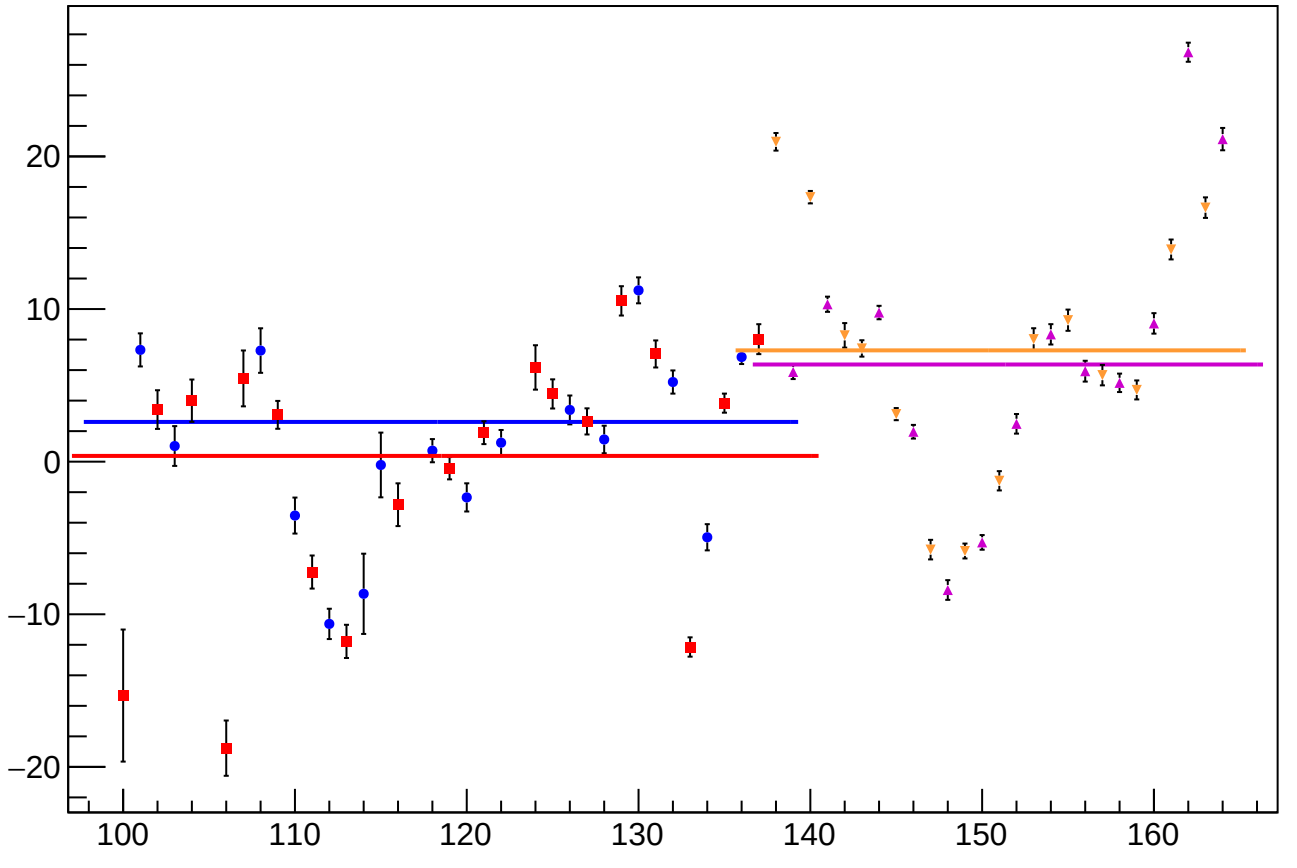
Left: 0.268+/-0.008 χ^2/NDF: 83.9/26

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.214+/-0.010 χ^2/NDF:535.0/28

Out: 0.187+/-0.010 χ^2/NDF:947.4/32

All: 0.201+/-0.007 χ^2/NDF: 1486.1/61



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 7.293+/-0.153 χ^2/NDF:2928.8/13

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 6.367+/-0.155 χ^2/NDF:2874.6/12

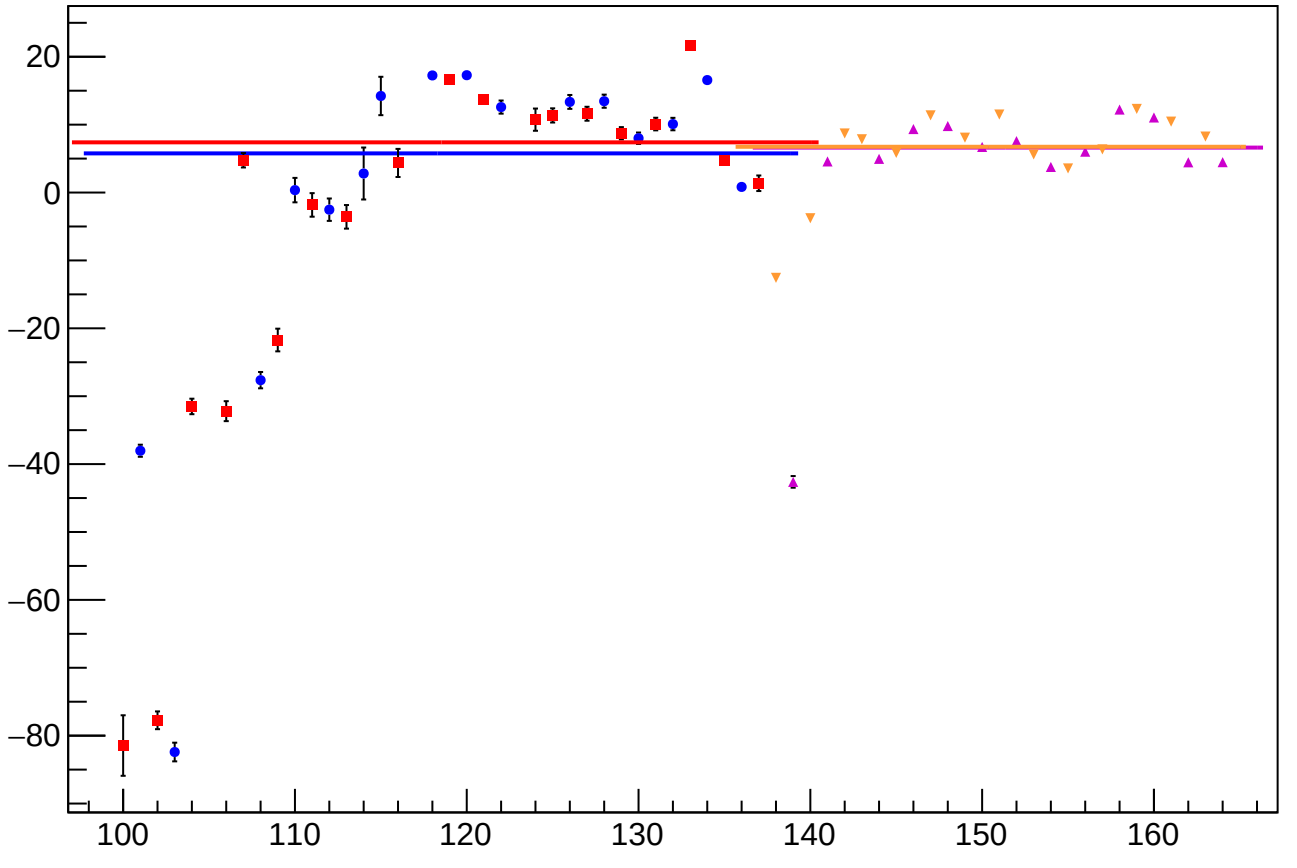
Left: 6.836+/-0.109 χ^2/NDF: 5821.5/26

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 5.150+/-0.127 χ^2/NDF:3638.5/28

Out: 5.073+/-0.126 χ^2/NDF:4617.2/32

All: 5.111+/-0.090 χ^2/NDF: 8255.9/61



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.741+/-0.106 χ^2/NDF:2820.0/13

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 6.620+/-0.109 χ^2/NDF:3916.2/12

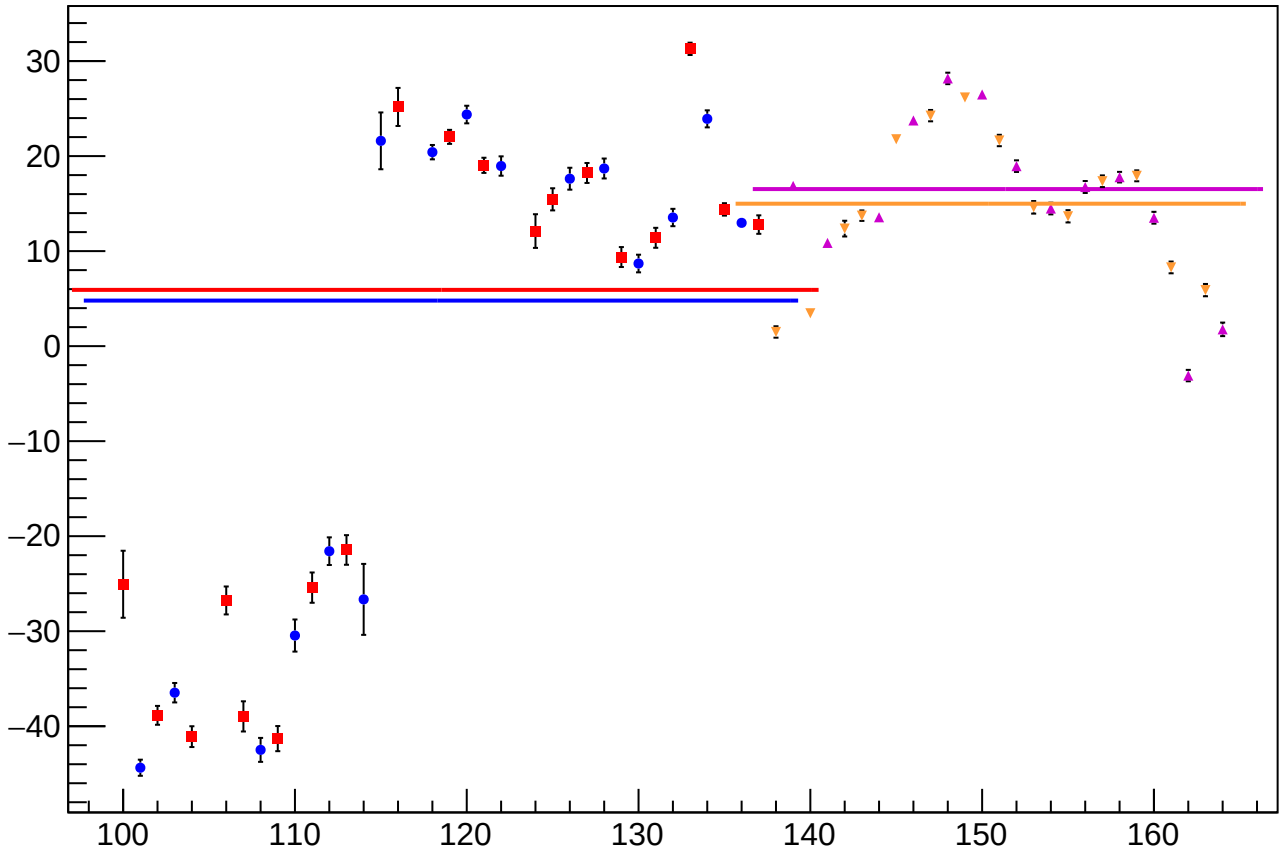
Left: 6.682+/-0.076 χ^2/NDF: 6736.9/26

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 6.440+/-0.096 χ^2/NDF:12863.1/28

Out: 6.876+/-0.095 χ^2/NDF:11218.3/32

All: 6.662+/-0.068 χ^2/NDF: 24091.8/61



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 14.990+/-0.149 χ^2/NDF:2869.7/13

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 16.530+/-0.150 χ^2/NDF:2856.7/12

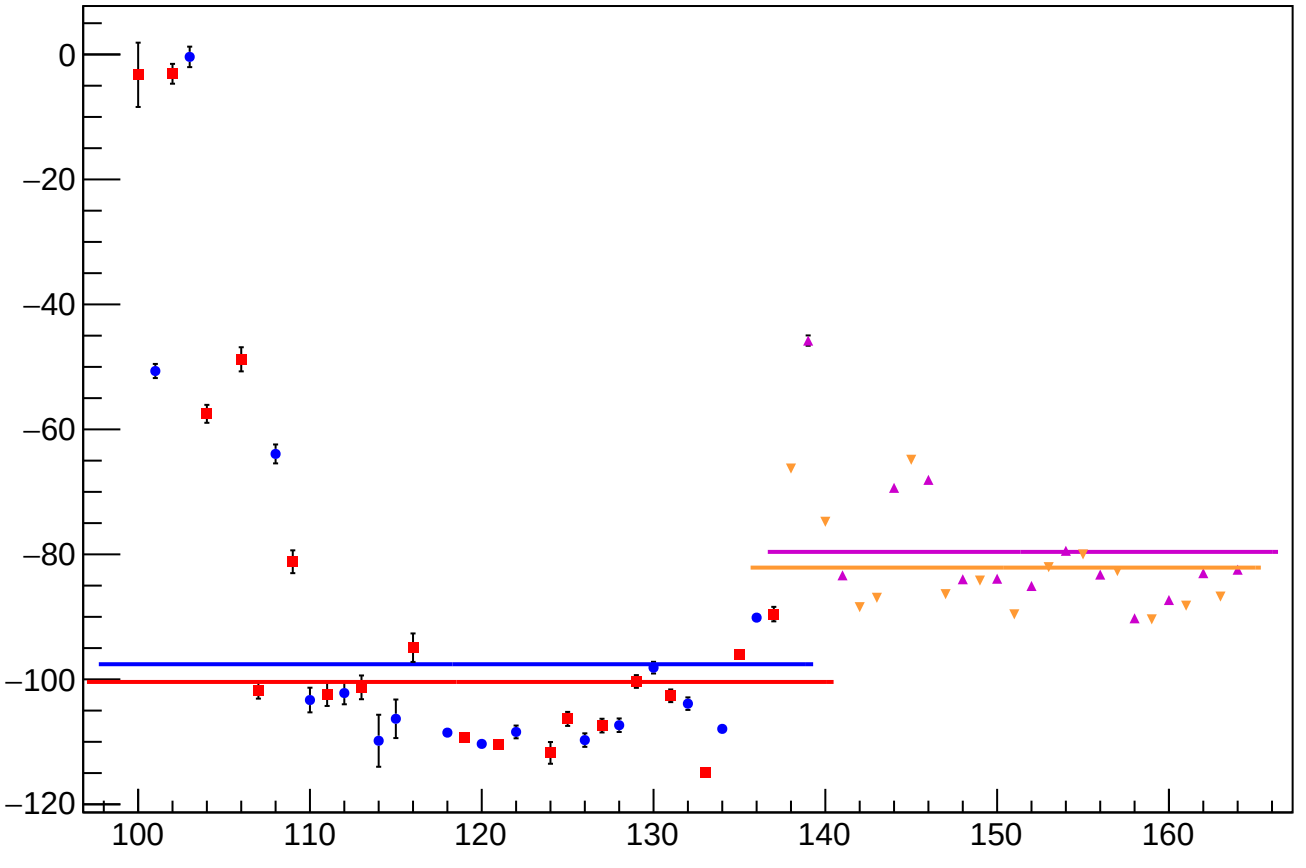
Left: 15.755+/-0.106 χ^2/NDF: 5779.3/26

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 13.174+/-0.127 χ^2/NDF:14098.4/28

Out: 12.456+/-0.127 χ^2/NDF:13959.0/32

All: 12.814+/-0.090 χ^2/NDF: 28073.5/61



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -82.119+/-0.125 χ^2/NDF:4225.9/13

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -79.604+/-0.126 χ^2/NDF:4952.1/12

Left: -80.879+/-0.089 χ^2/NDF: 9378.4/26

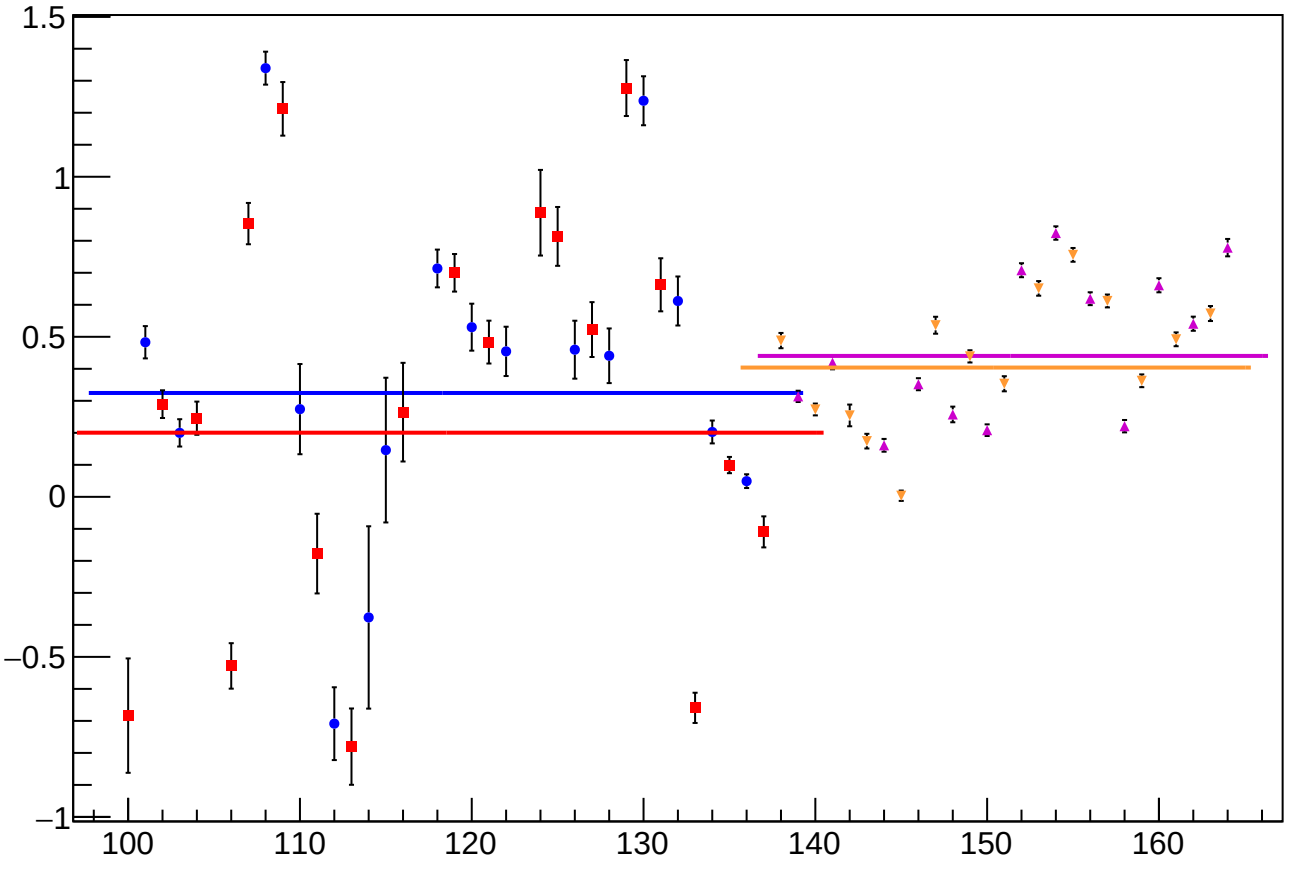
Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -83.469+/-0.112 χ^2/NDF:16439.3/28

Out: -85.988+/-0.111 χ^2/NDF:15888.5/32

All: -84.743+/-0.079 χ^2/NDF: 32583.3/61

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.404+/-0.006 χ^2/NDF:1391.5/13

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.440+/-0.006 χ^2/NDF:1456.0/12

Left: 0.422+/-0.004 χ^2/NDF: 2867.6/26

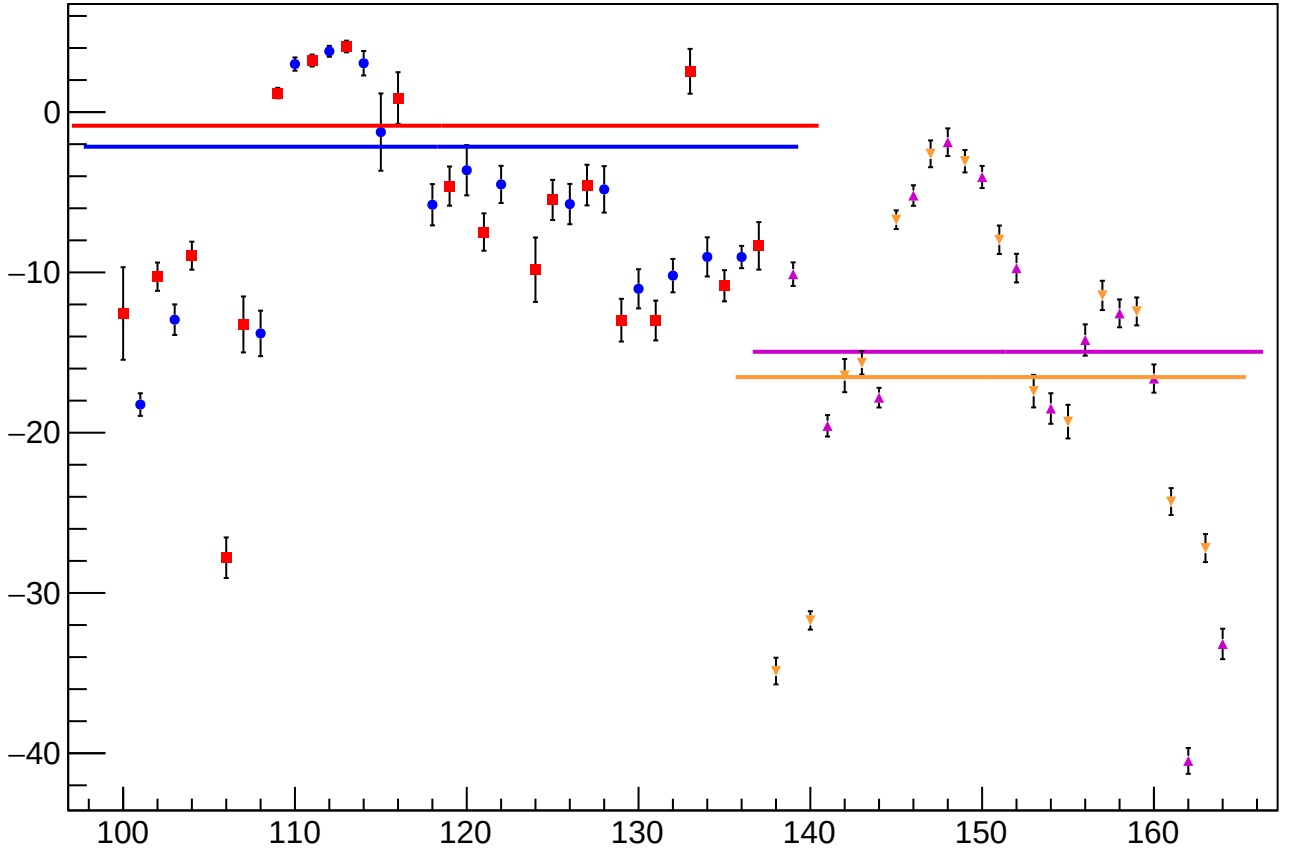
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.422+/-0.005 χ^2/NDF:2406.6/28

Out: 0.374+/-0.005 χ^2/NDF:2782.0/32

All: 0.398+/-0.004 χ^2/NDF: 5230.1/61

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: -16.530+/-0.212 χ^2/NDF:2512.1/13

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -14.952+/-0.217 χ^2/NDF:2256.1/12

Left: -15.757+/-0.152 χ^2/NDF: 4795.3/26

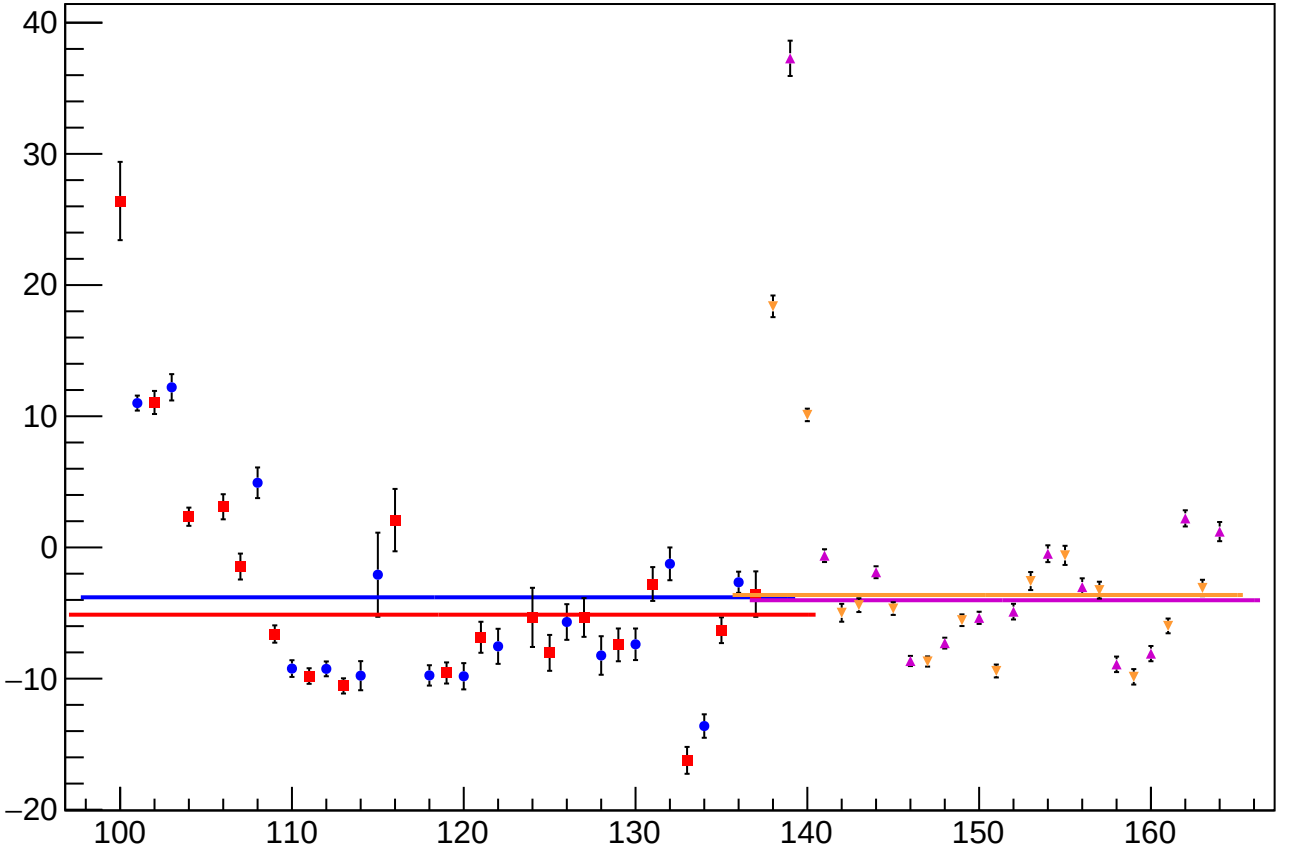
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -7.784+/-0.144 χ^2/NDF:5699.4/28

Out: -6.986+/-0.133 χ^2/NDF:7292.7/32

All: -7.354+/-0.098 χ^2/NDF: 13008.7/61

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.624+/-0.146 χ^2/NDF:2024.6/13

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -4.025+/-0.150 χ^2/NDF:1531.2/12

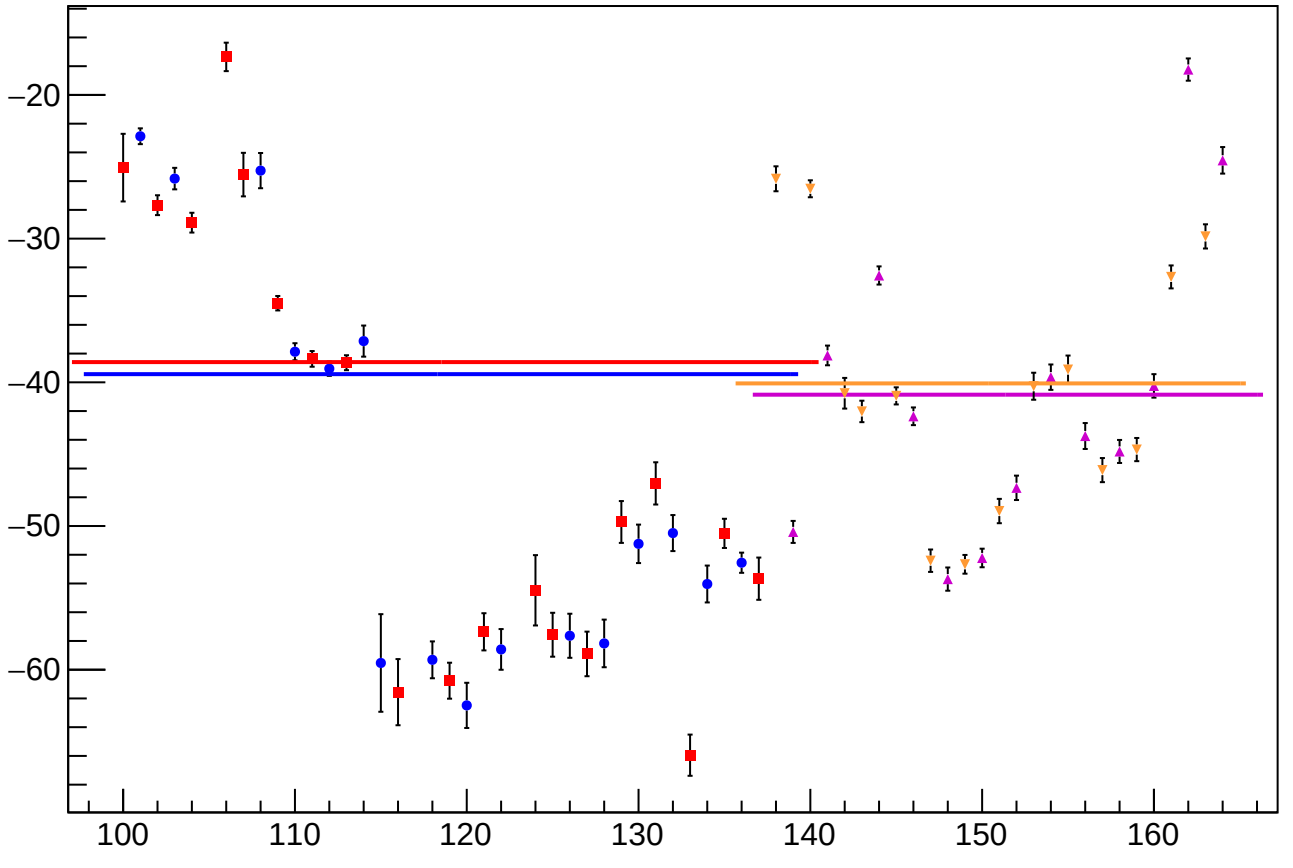
Left: -3.820+/-0.105 χ^2/NDF: 3559.5/26

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.956+/-0.125 χ^2/NDF:2957.4/28

Out: -4.088+/-0.122 χ^2/NDF:3037.7/32

All: -4.024+/-0.087 χ^2/NDF: 5995.7/61



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -40.076+/-0.208 χ^2/NDF:1857.3/13

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -40.861+/-0.210 χ^2/NDF:2171.0/12

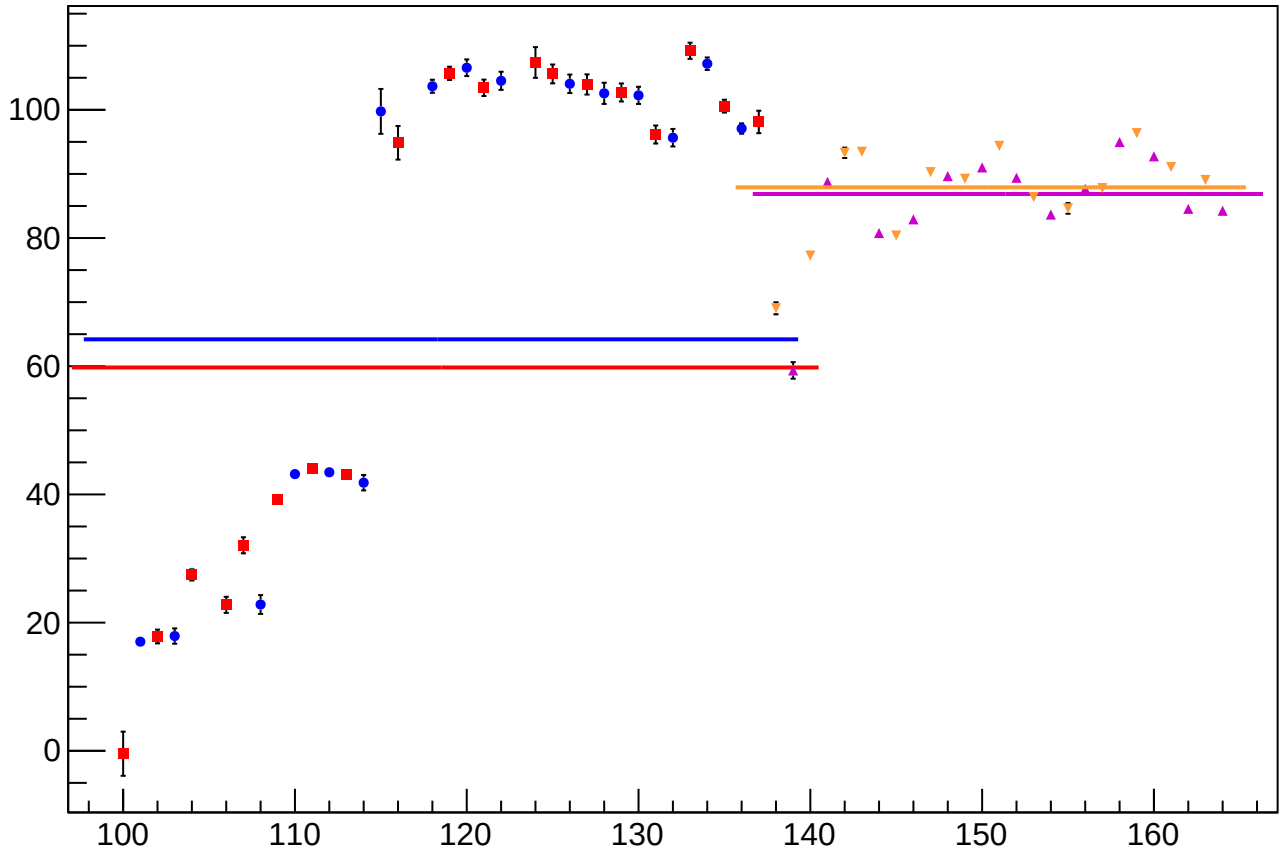
Left: -40.464+/-0.148 χ^2/NDF: 4035.3/26

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -40.197+/-0.154 χ^2/NDF:5150.6/28

Out: -39.352+/-0.149 χ^2/NDF:4654.3/32

All: -39.760+/-0.107 χ^2/NDF: 9820.6/61



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 87.908+/-0.172 χ^2/NDF:1422.4/13

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 86.869+/-0.175 χ^2/NDF:1060.5/12

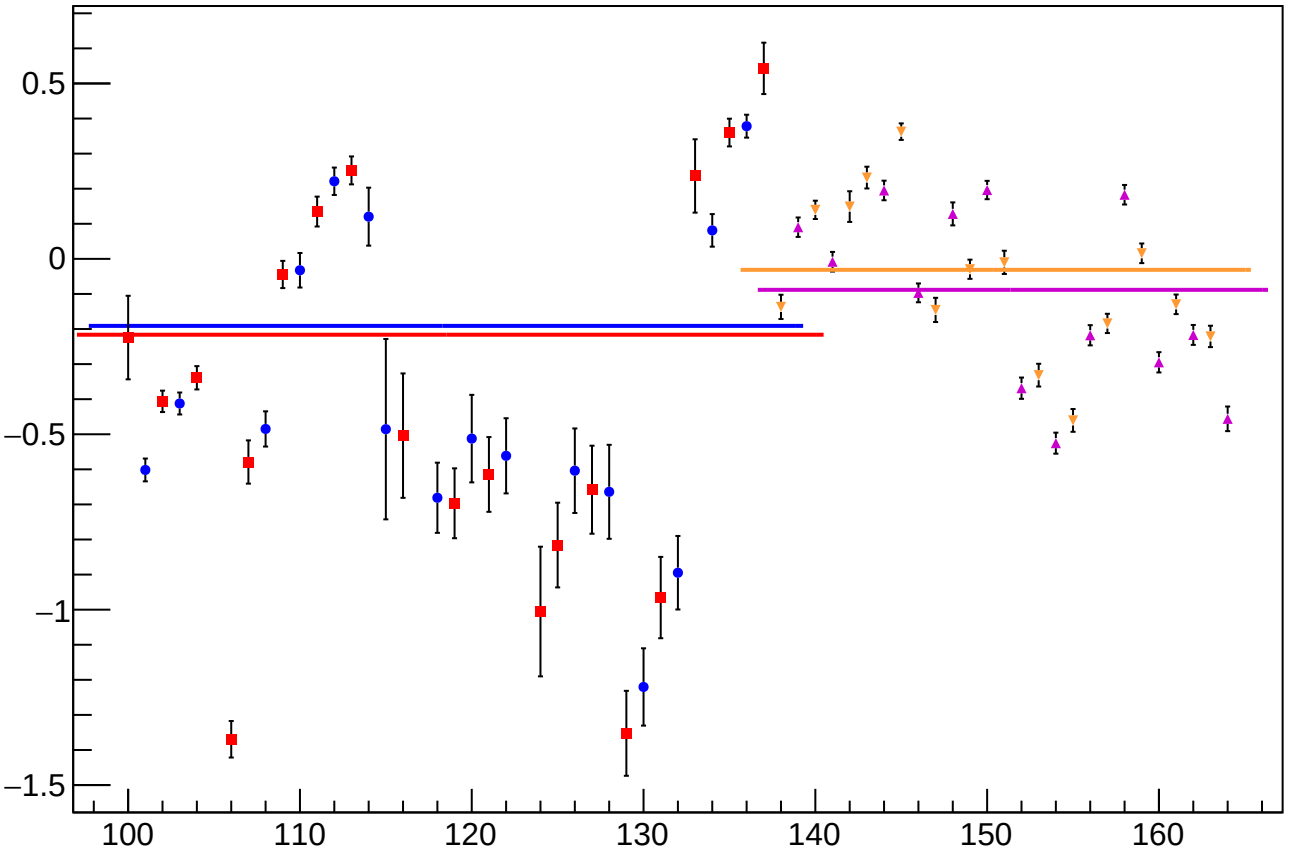
Left: 87.397+/-0.123 χ^2/NDF: 2500.9/26

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 79.716+/-0.145 χ^2/NDF:24963.9/28

Out: 78.815+/-0.141 χ^2/NDF:27488.3/32

All: 79.256+/-0.101 χ^2/NDF: 52472.0/61



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.031+/-0.008 χ^2/NDF:777.2/13

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.088+/-0.008 χ^2/NDF:908.4/12

Left: -0.060+/-0.006 χ^2/NDF: 1710.9/26

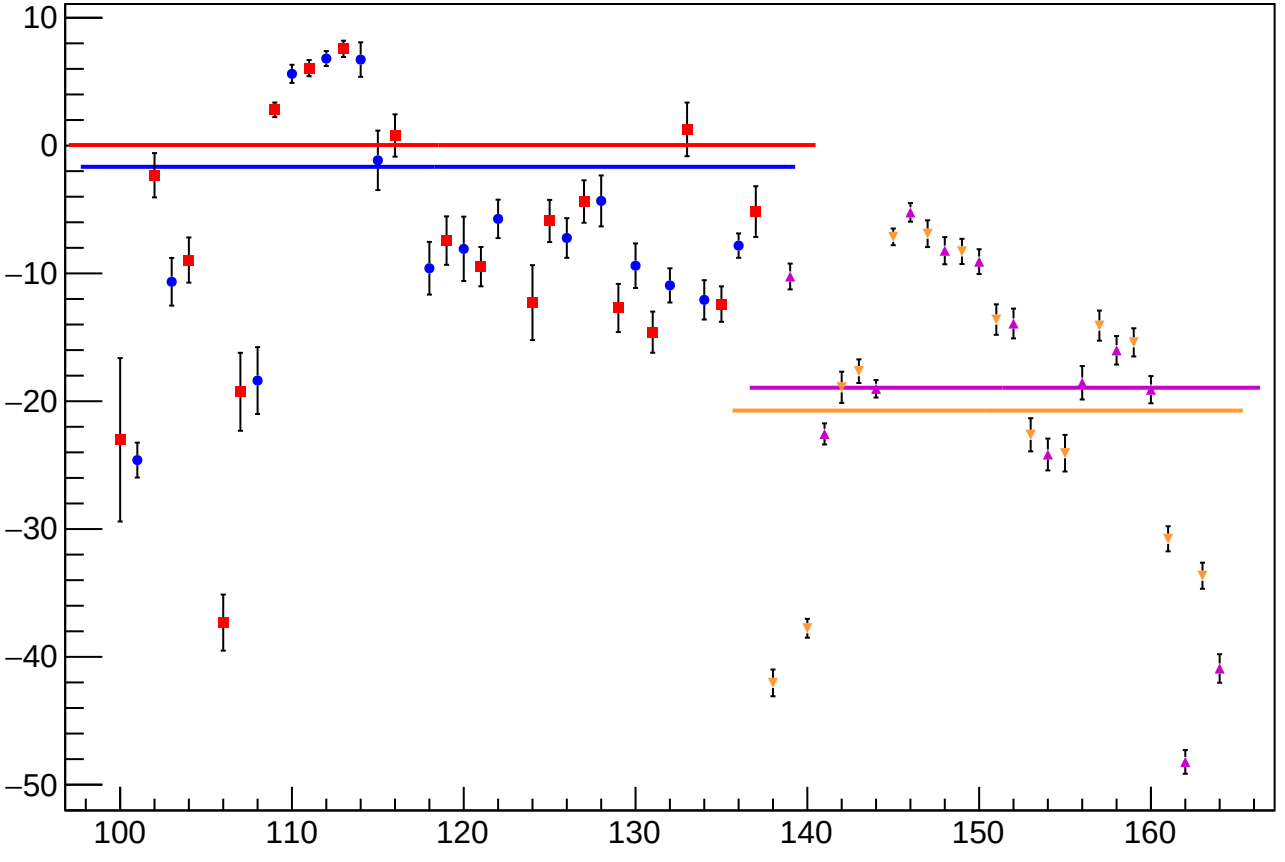
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.115+/-0.007 χ^2/NDF:1869.9/28

Out: -0.082+/-0.007 χ^2/NDF:2293.2/32

All: -0.099+/-0.005 χ^2/NDF: 4174.6/61

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -20.730+/-0.265 χ^2/NDF:2091.8/13

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -18.944+/-0.267 χ^2/NDF:2082.1/12

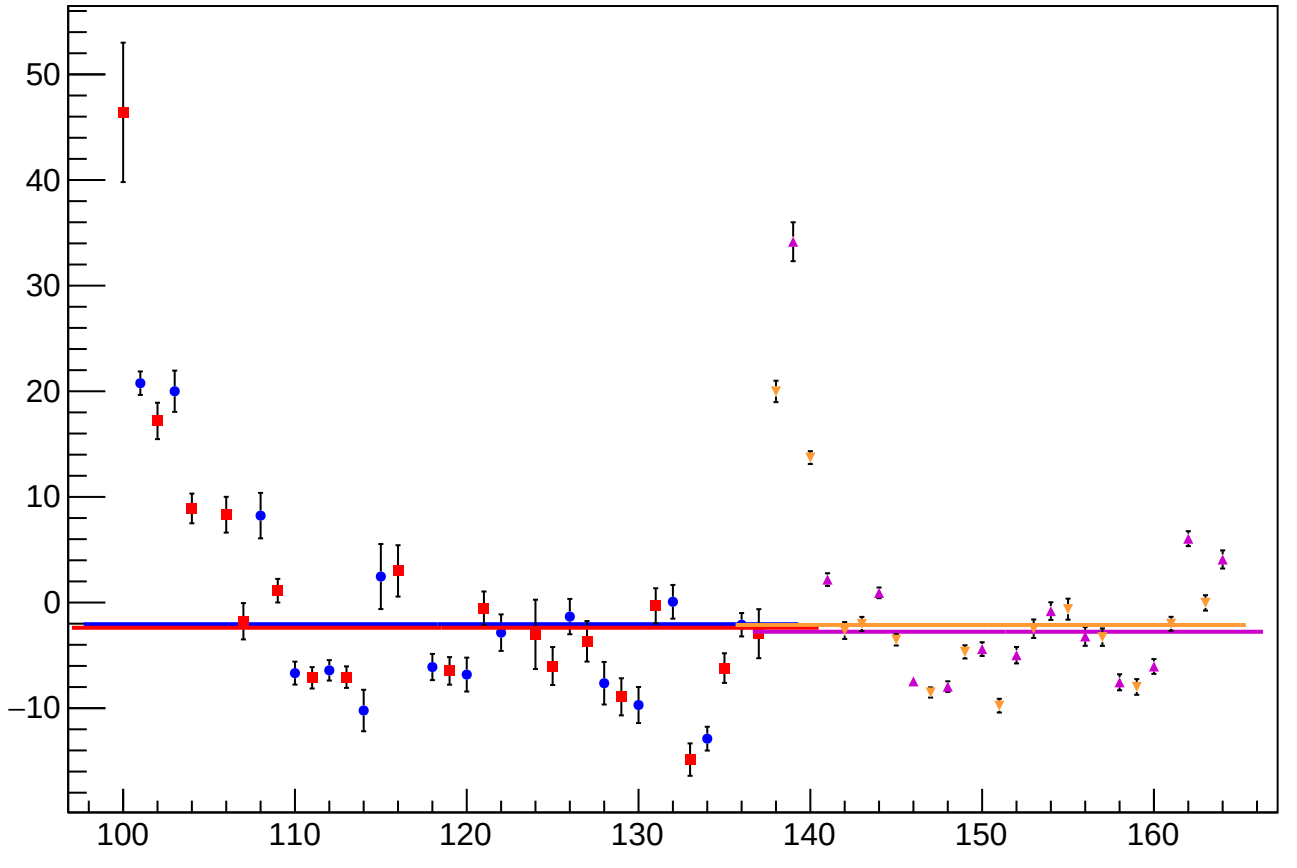
Left: -19.842+/-0.188 χ^2/NDF: 4196.4/26

Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -11.538+/-0.202 χ^2/NDF:4781.1/28

Out: -10.973+/-0.193 χ^2/NDF:5902.0/32

All: -11.243+/-0.140 χ^2/NDF: 10687.2/61



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -2.122+/-0.183 χ^2/NDF:1568.4/13

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -2.765+/-0.182 χ^2/NDF:1047.7/12

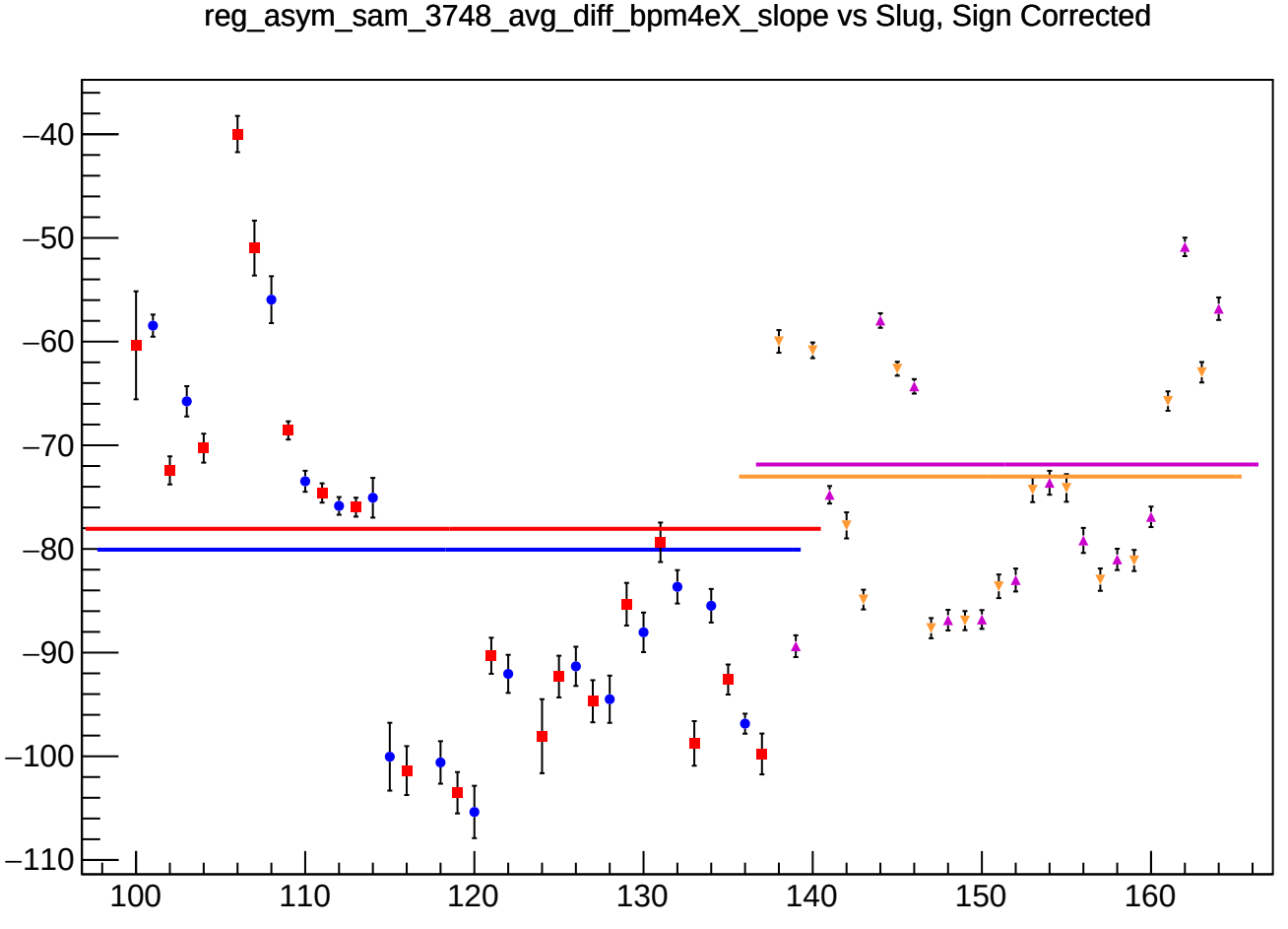
Left: -2.445+/-0.129 χ^2/NDF: 2622.2/26

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -2.616+/-0.162 χ^2/NDF:1822.8/28

Out: -2.178+/-0.163 χ^2/NDF:2019.7/32

All: -2.398+/-0.115 χ^2/NDF: 3846.2/61



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.016+/-0.260 χ^2/NDF:1663.5/13

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -71.854+/-0.259 χ^2/NDF:2285.6/12

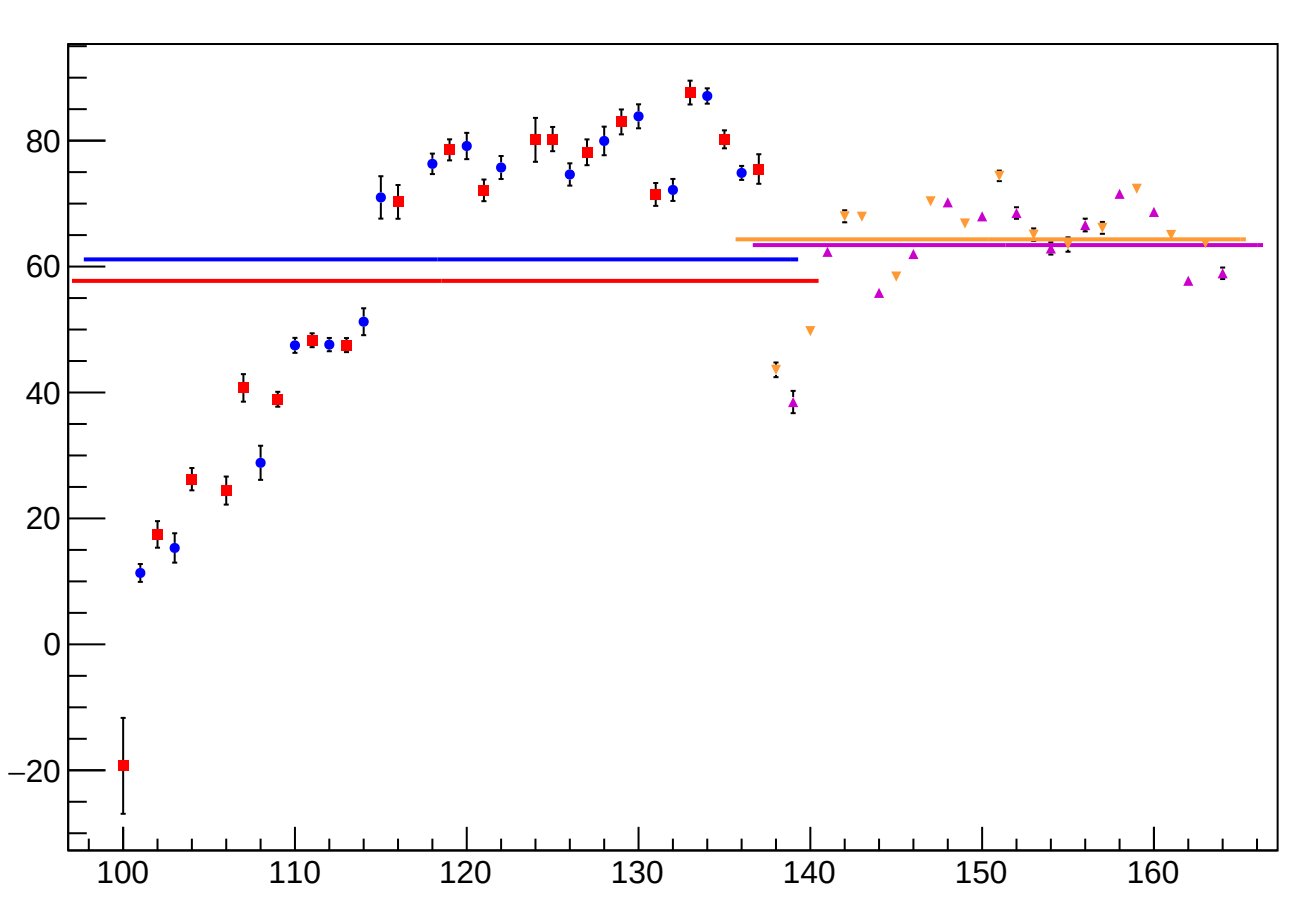
Left: -72.433+/-0.184 χ^2/NDF: 3959.1/26

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -74.611+/-0.211 χ^2/NDF:4010.4/28

Out: -74.787+/-0.210 χ^2/NDF:3356.7/32

All: -74.700+/-0.149 χ^2/NDF: 7367.5/61



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 64.326+/-0.215 χ^2/NDF:1193.0/13

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 63.411+/-0.213 χ^2/NDF:780.0/12

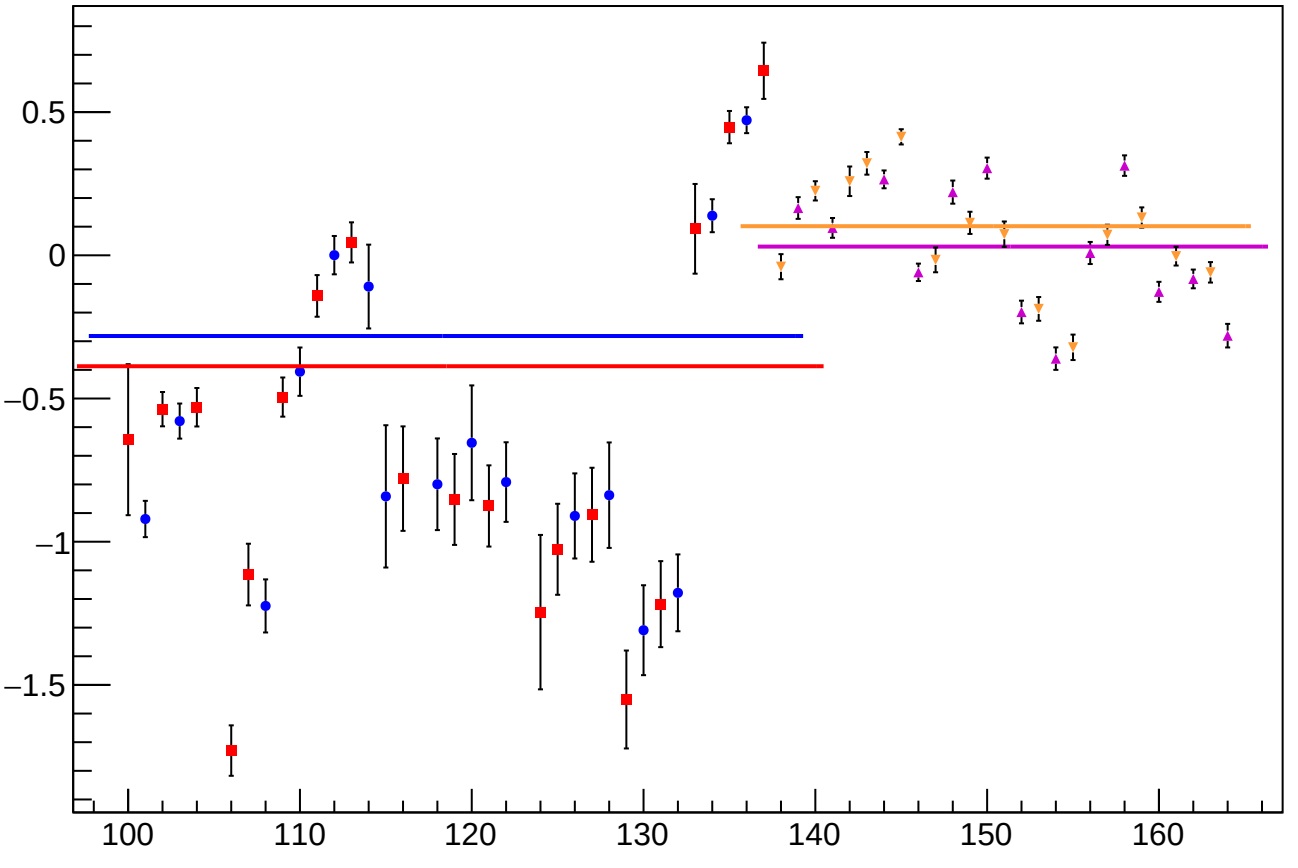
Left: 63.866+/-0.151 χ^2/NDF: 1982.1/26

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 62.908+/-0.188 χ^2/NDF:4034.3/28

Out: 62.850+/-0.189 χ^2/NDF:4179.8/32

All: 62.879+/-0.133 χ^2/NDF: 8214.1/61



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.102+/-0.010 χ^2/NDF:380.3/13

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.030+/-0.010 χ^2/NDF:444.4/12

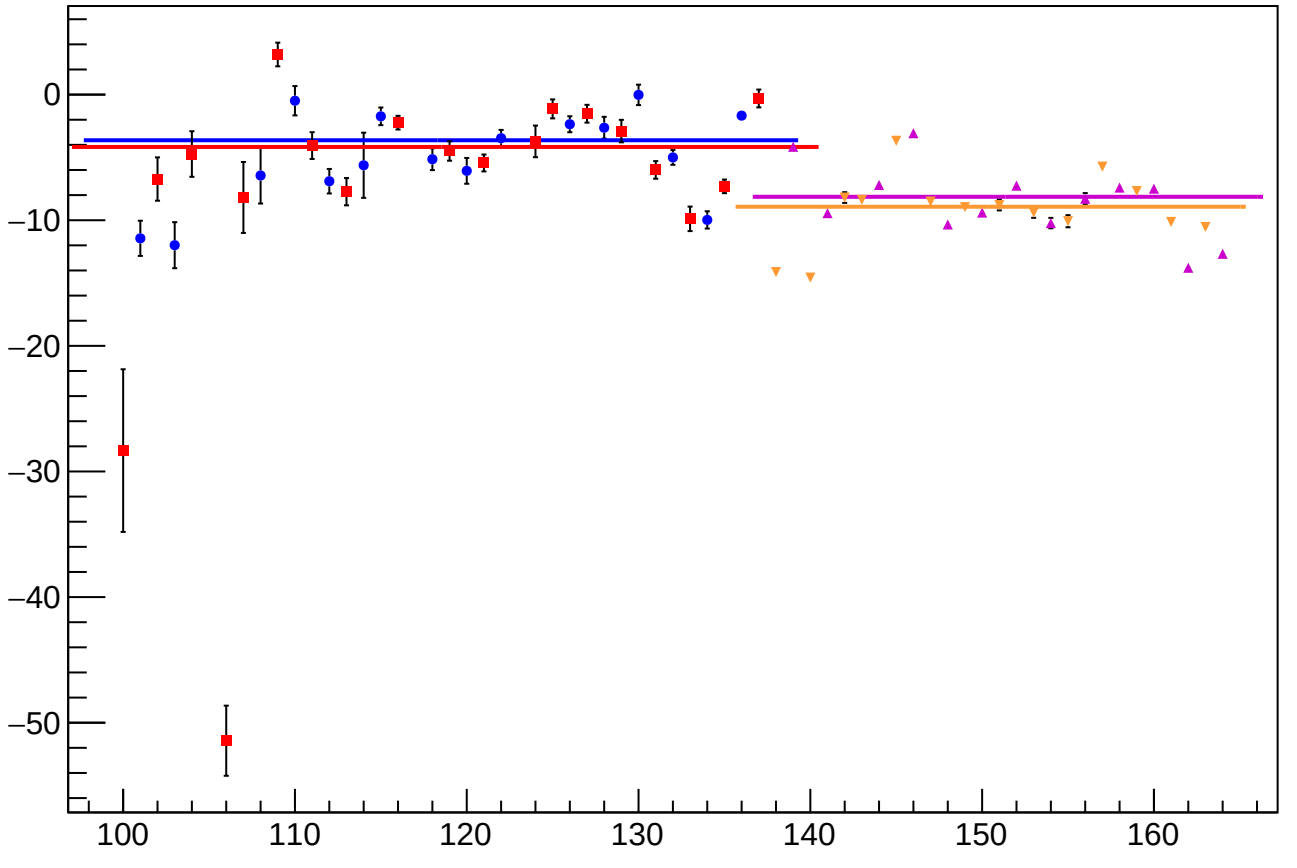
Left: 0.066+/-0.007 χ^2/NDF: 850.1/26

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.024+/-0.009 χ^2/NDF:1344.6/28

Out: 0.017+/-0.009 χ^2/NDF:1611.0/32

All: -0.004+/-0.006 χ^2/NDF: 2965.8/61



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.927+/-0.090 χ^2/NDF:1393.1/13

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -8.134+/-0.089 χ^2/NDF:1283.1/12

Left: -8.527+/-0.063 χ^2/NDF: 2715.5/26

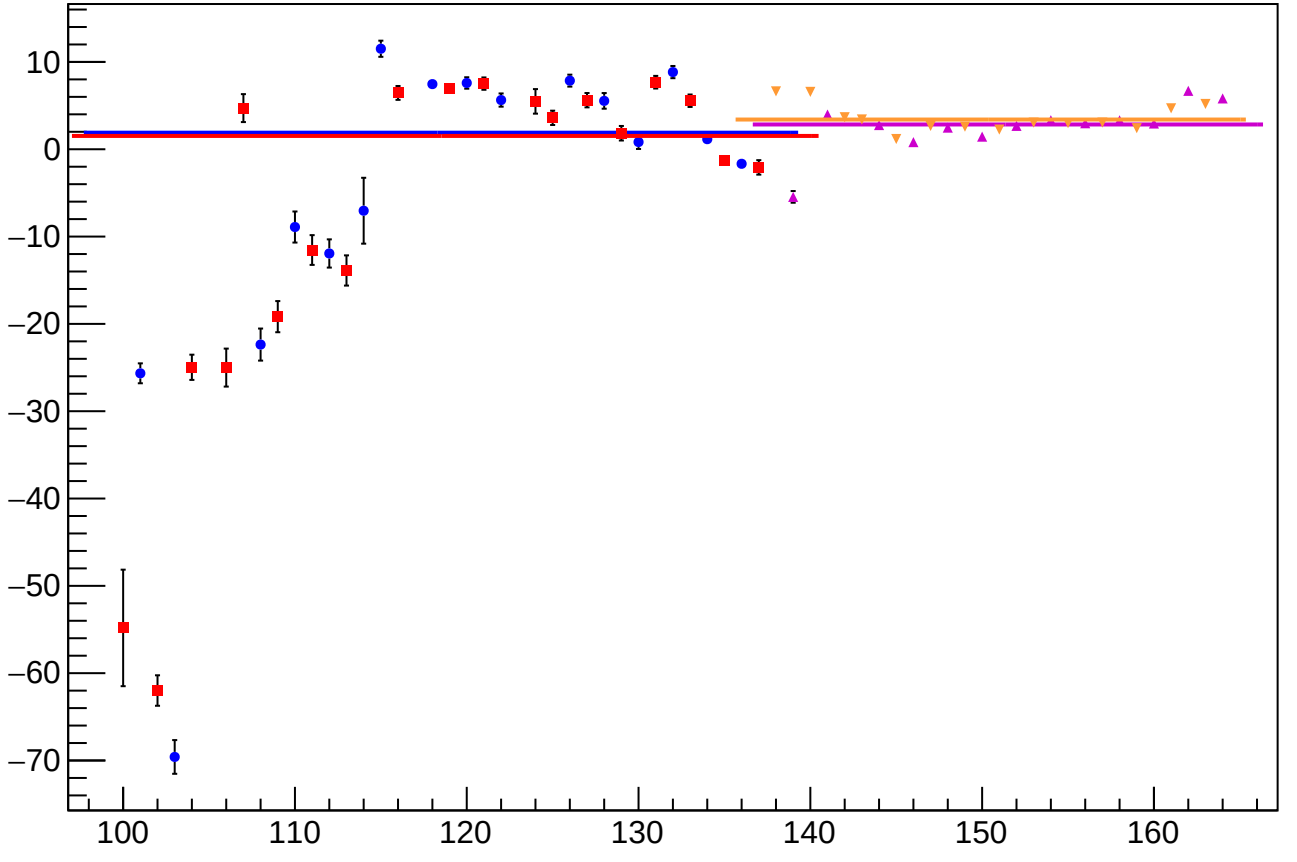
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -7.318+/-0.081 χ^2/NDF:1981.9/28

Out: -8.125+/-0.082 χ^2/NDF:2396.5/32

All: -7.715+/-0.057 χ^2/NDF: 4427.6/61

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.404+/-0.062 χ^2/NDF:636.1/13

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 2.838+/-0.061 χ^2/NDF:878.2/12

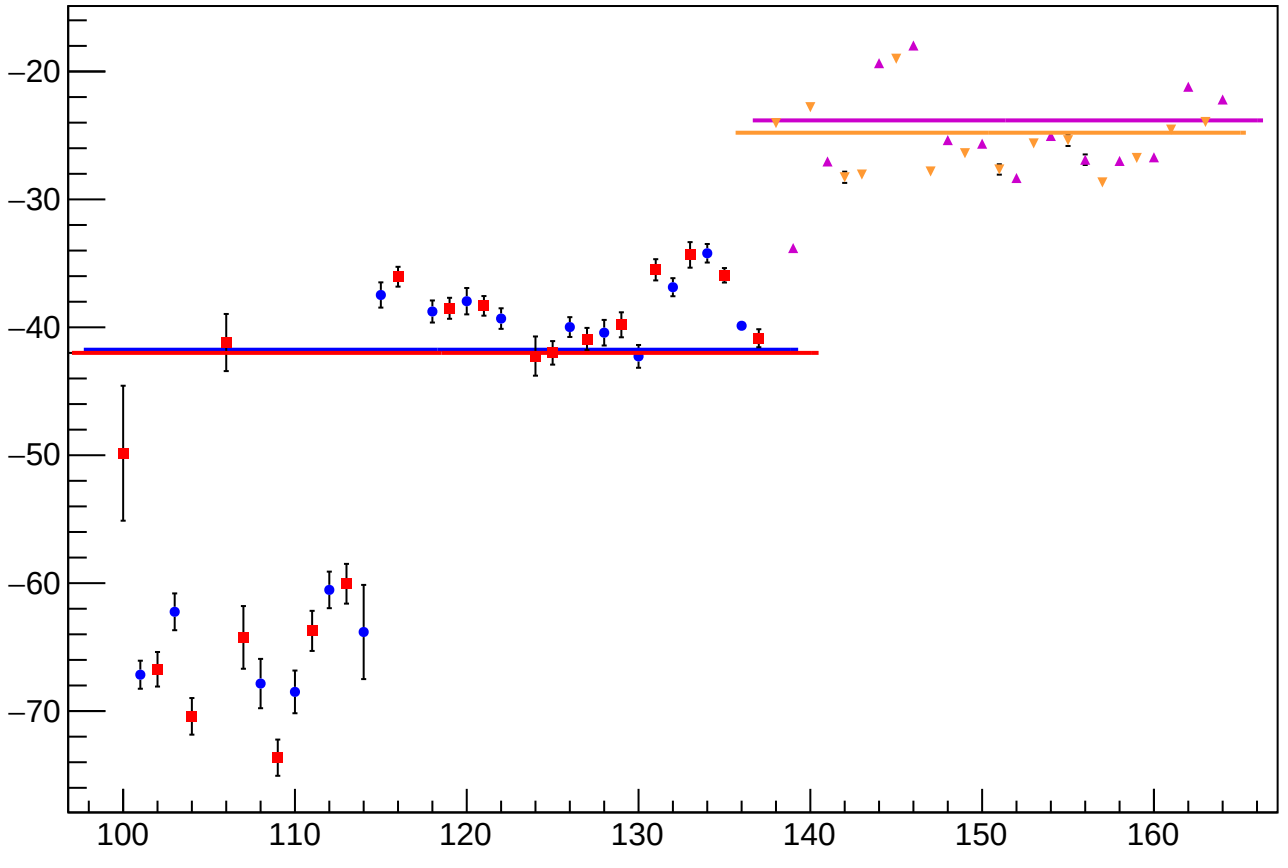
Left: 3.114+/-0.043 χ^2/NDF: 1556.8/26

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.750+/-0.058 χ^2/NDF:3738.8/28

Out: 3.250+/-0.060 χ^2/NDF:3270.6/32

All: 2.993+/-0.041 χ^2/NDF: 7045.8/61



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.787+/-0.088 χ^2/NDF:1219.1/13

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -23.824+/-0.086 χ^2/NDF:2395.2/12

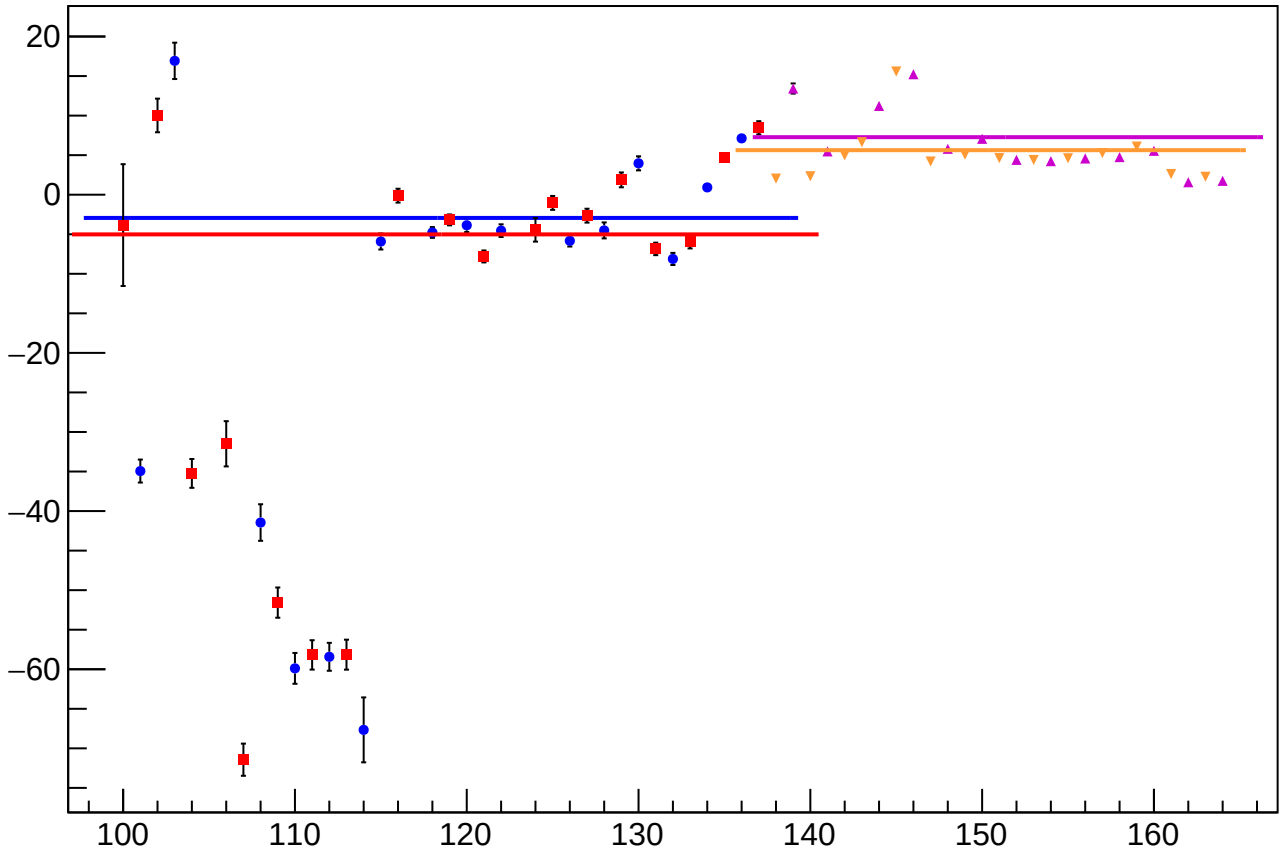
Left: -24.296+/-0.062 χ^2/NDF: 3675.3/26

Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -26.463+/-0.080 χ^2/NDF:10386.6/28

Out: -27.015+/-0.082 χ^2/NDF:8154.0/32

All: -26.731+/-0.057 χ^2/NDF: 18563.9/61



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 5.628+/-0.073 χ^2/NDF:3127.5/13

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 7.274+/-0.071 χ^2/NDF:4077.0/12

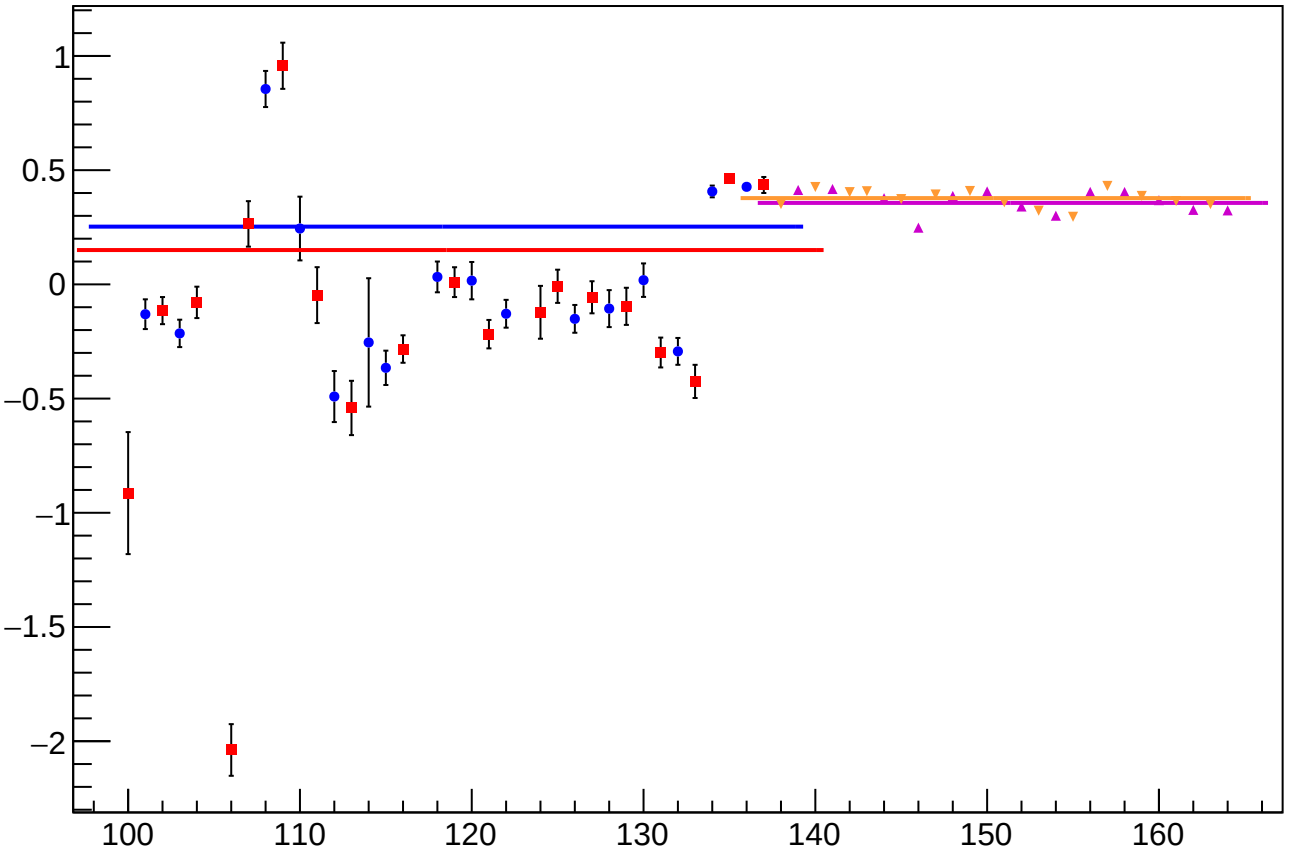
Left: 6.470+/-0.051 χ^2/NDF: 7468.3/26

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 6.228+/-0.067 χ^2/NDF:9931.2/28

Out: 4.679+/-0.069 χ^2/NDF:9425.9/32

All: 5.477+/-0.048 χ^2/NDF: 19615.2/61



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.378+/-0.003 χ^2/NDF:108.1/13

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.357+/-0.003 χ^2/NDF:258.2/12

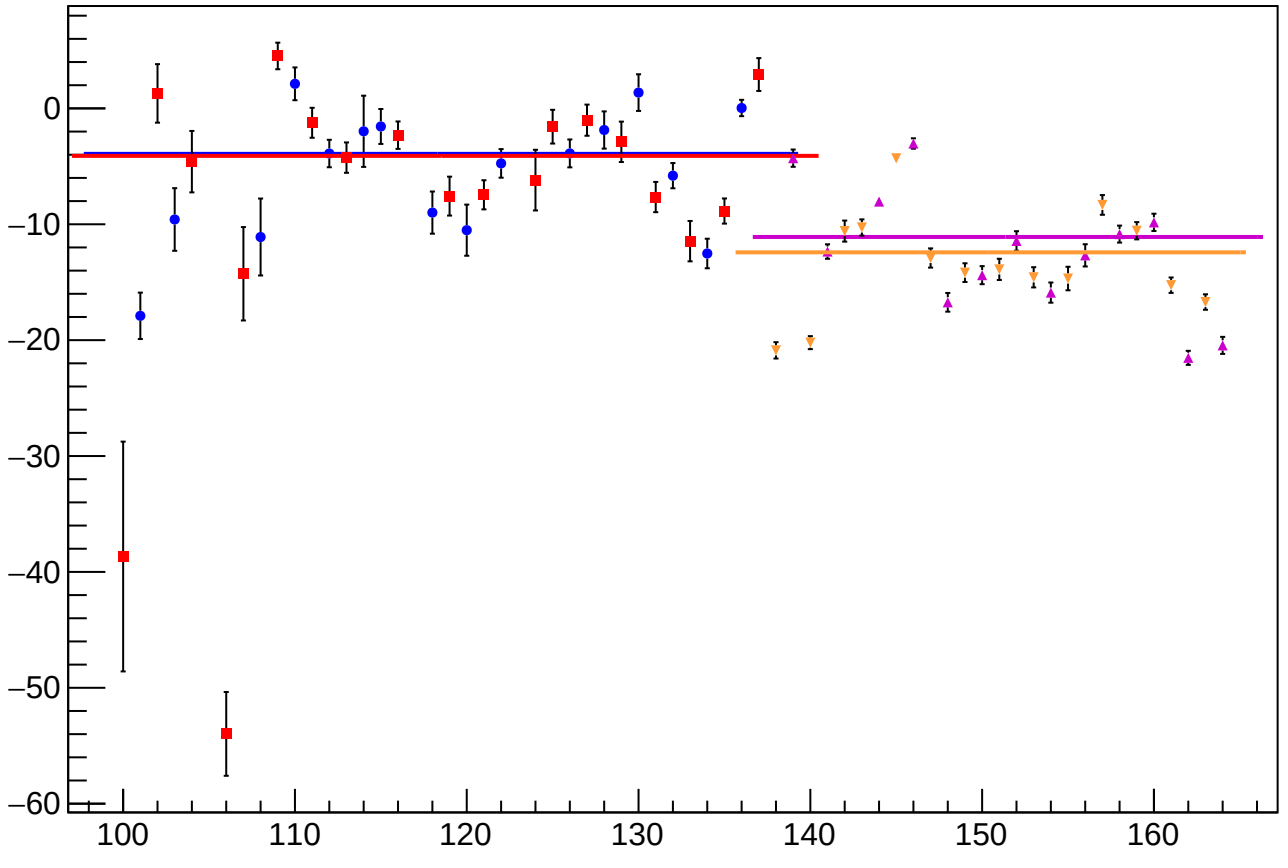
Left: 0.367+/-0.002 χ^2/NDF: 386.2/26

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

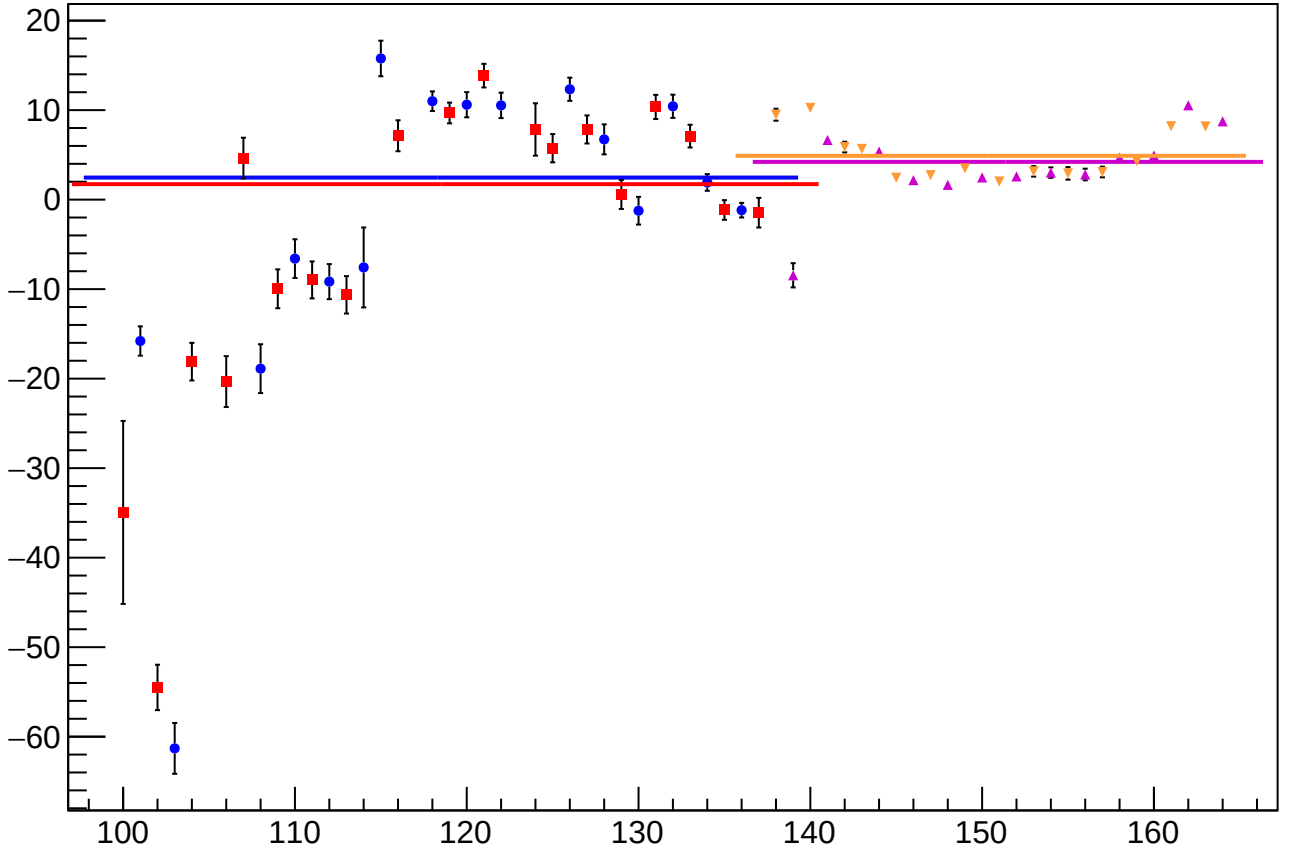
In: 0.349+/-0.003 χ^2/NDF:964.7/28

Out: 0.364+/-0.003 χ^2/NDF:1398.8/32

All: 0.356+/-0.002 χ^2/NDF: 2375.0/61


reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
Right In: -3.924+/-0.346 χ²/NDF: 188.8/15
Left Out: -12.422+/-0.186 χ²/NDF:882.0/13
Right Out: -4.096+/-0.357 χ²/NDF: 366.9/18
Left In: -11.095+/-0.183 χ²/NDF:1024.9/12
Left: -11.748+/-0.130 χ²/NDF: 1932.9/26
Right: -4.007+/-0.248 χ²/NDF: 555.8/34
In: -9.533+/-0.161 χ²/NDF:1549.6/28
Out: -10.651+/-0.165 χ²/NDF:1677.5/32
All: -10.081+/-0.115 χ²/NDF: 3250.6/61

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: 4.898+/-0.130 χ^2/NDF:449.3/13

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 4.217+/-0.124 χ^2/NDF:519.6/12

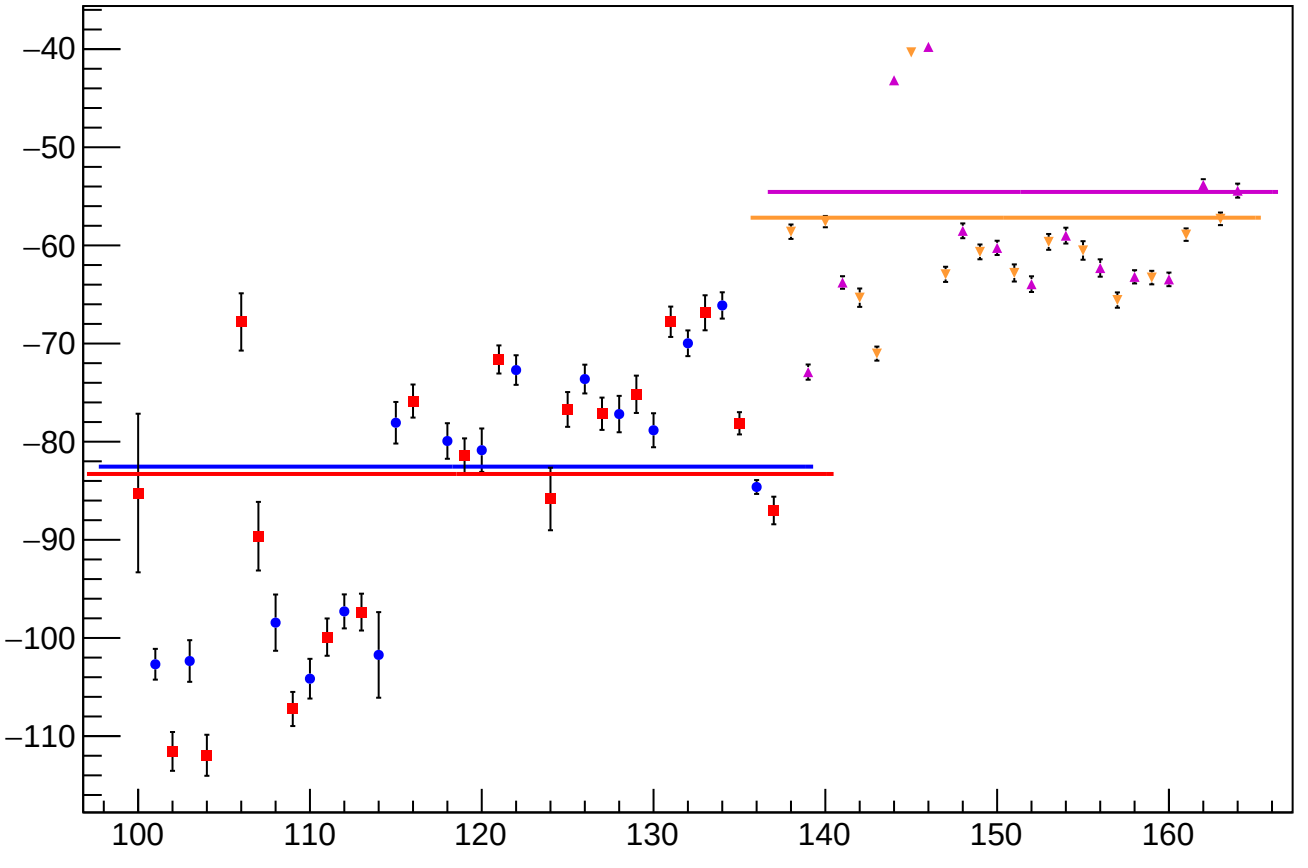
Left: 4.543+/-0.090 χ^2/NDF: 983.3/26

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

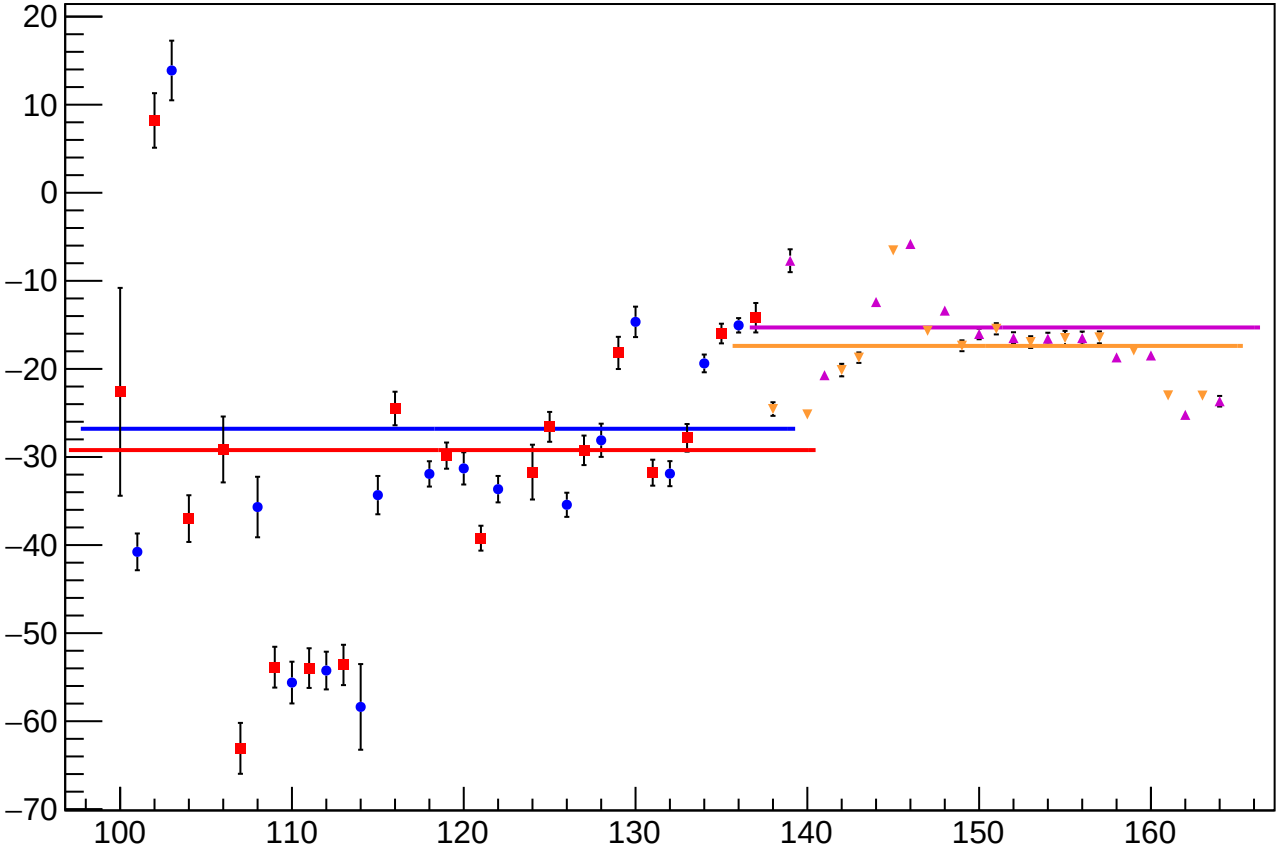
In: 4.027+/-0.117 χ^2/NDF:1587.8/28

Out: 4.577+/-0.123 χ^2/NDF:1493.1/32

All: 4.290+/-0.085 χ^2/NDF: 3091.3/61


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
160
Right In: -82.542+/-0.384 χ²/NDF: 838.8/15
Left Out: -57.176+/-0.182 χ²/NDF:2512.6/13
Right Out: -83.290+/-0.414 χ²/NDF: 1092.6/18
Left In: -54.553+/-0.177 χ²/NDF:3263.7/12
Left: -55.828+/-0.127 χ²/NDF: 5882.6/26
Right: -82.888+/-0.282 χ²/NDF: 1933.1/34
In: -59.473+/-0.161 χ²/NDF:8474.3/28
Out: -61.420+/-0.167 χ²/NDF:6933.0/32
All: -60.412+/-0.116 χ²/NDF: 15477.8/61

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: -17.388+/-0.151 χ^2/NDF:1466.6/13

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -15.293+/-0.146 χ^2/NDF:1732.0/12

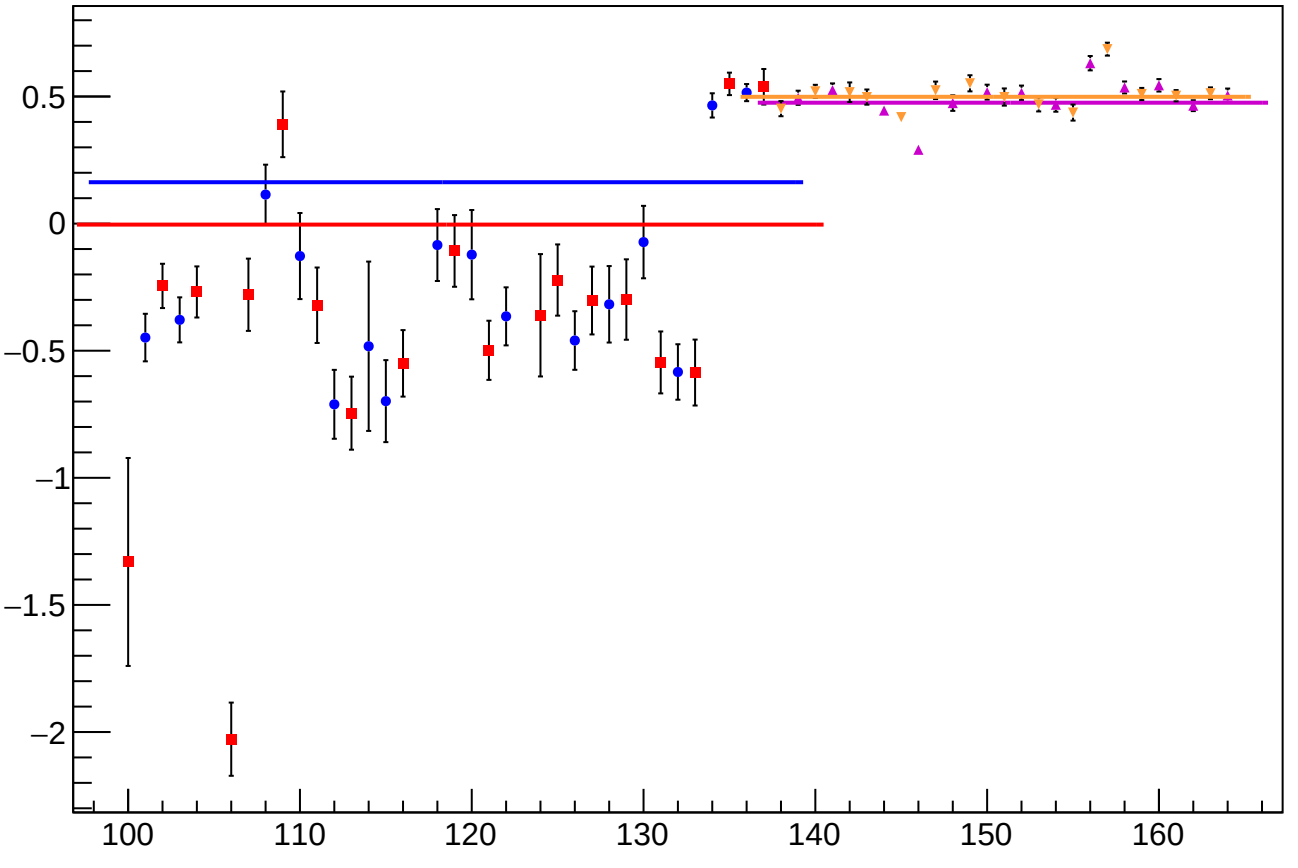
Left: -16.303+/-0.105 χ^2/NDF: 3298.3/26

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -16.666+/-0.137 χ^2/NDF:3440.1/28

Out: -18.680+/-0.142 χ^2/NDF:3097.8/32

All: -17.631+/-0.099 χ^2/NDF: 6642.0/61



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.499+/-0.007 χ^2/NDF:90.9/13

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.476+/-0.007 χ^2/NDF:154.3/12

Left: 0.487+/-0.005 χ^2/NDF: 250.9/26

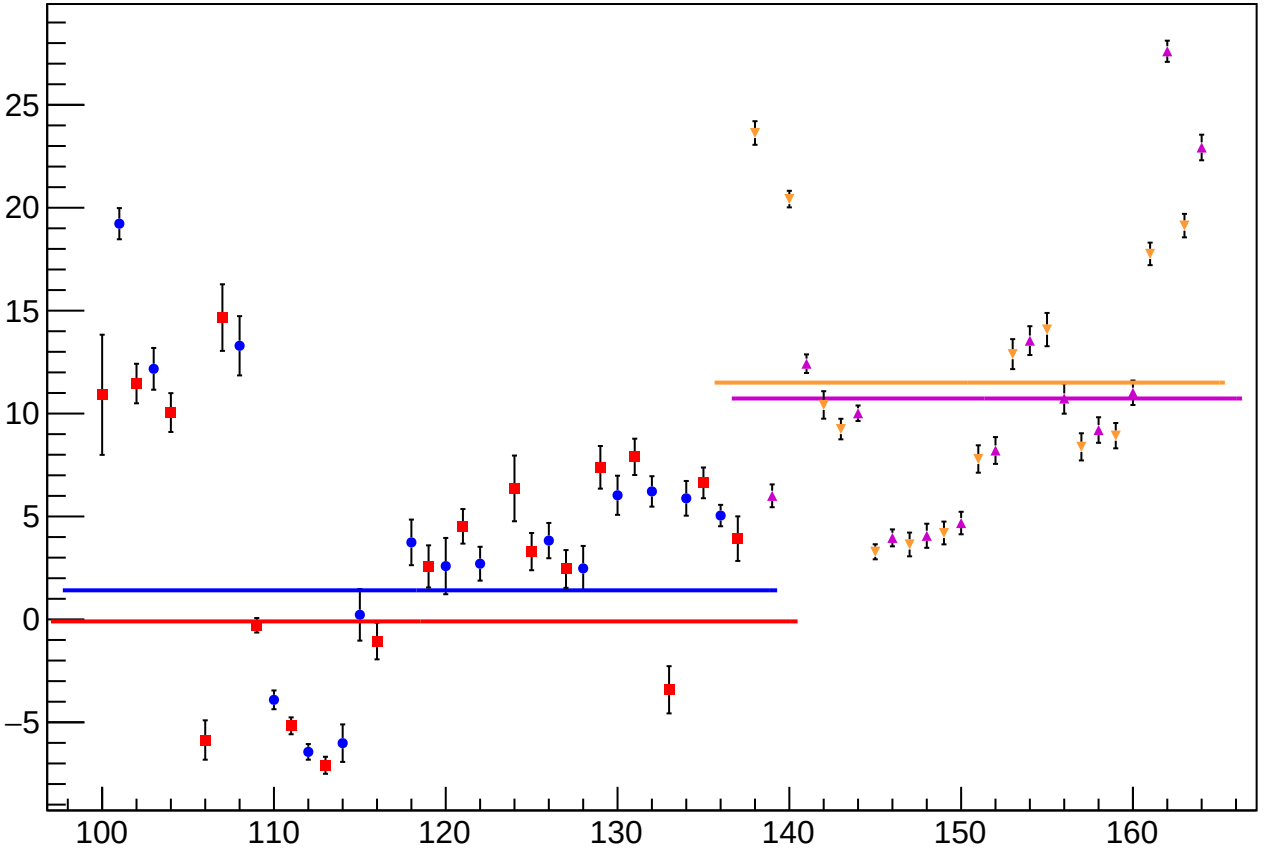
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.446+/-0.007 χ^2/NDF:770.5/28

Out: 0.461+/-0.007 χ^2/NDF:1056.3/32

All: 0.453+/-0.005 χ^2/NDF: 1829.1/61

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 11.504+/-0.147 χ^2/NDF:2220.3/13

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 10.732+/-0.148 χ^2/NDF:2109.7/12

Left: 11.122+/-0.104 χ^2/NDF: 4343.7/26

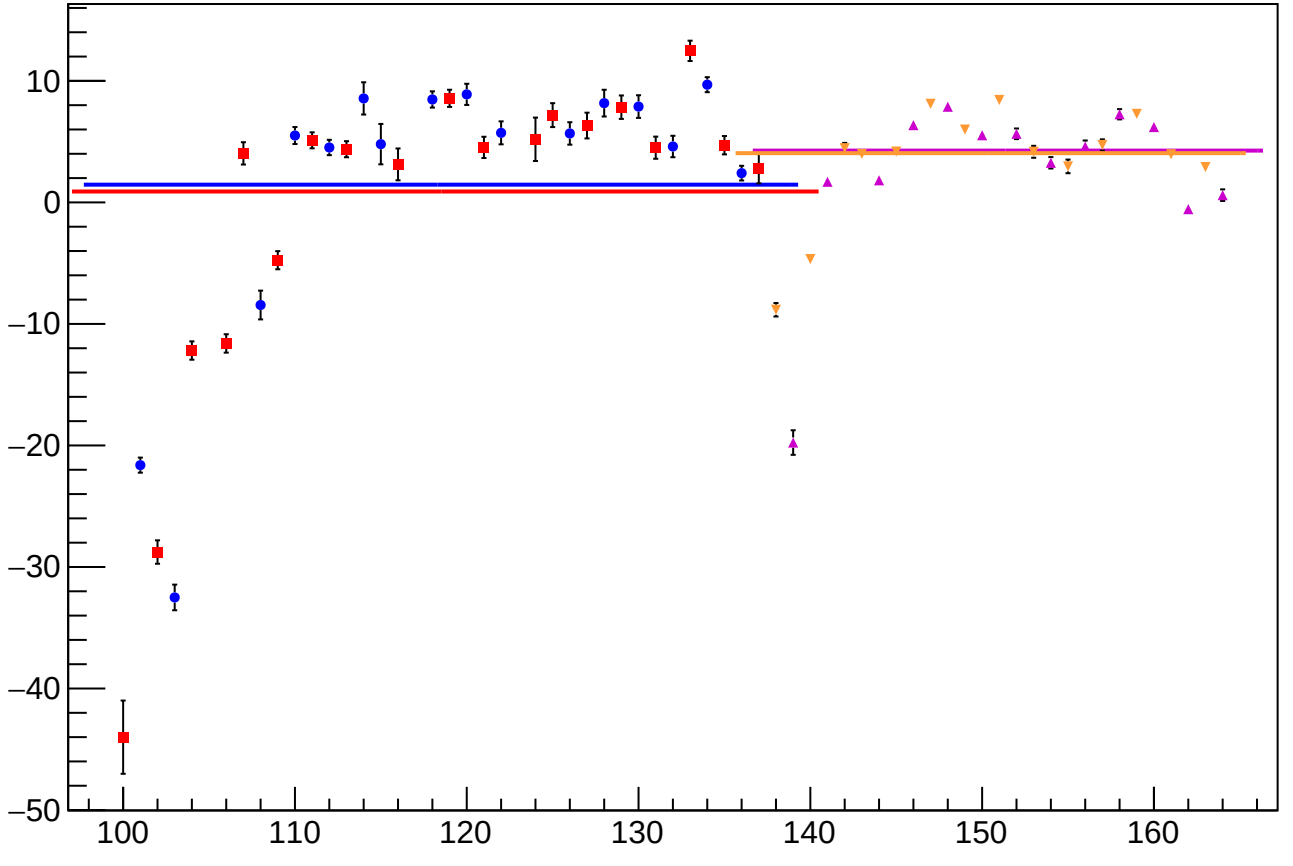
Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 7.035+/-0.115 χ^2/NDF:5195.2/28

Out: 6.450+/-0.110 χ^2/NDF:6078.8/32

All: 6.730+/-0.080 χ^2/NDF: 11287.4/61

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: 4.052+/-0.101 χ^2/NDF:1712.8/13

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 4.262+/-0.101 χ^2/NDF:1258.1/12

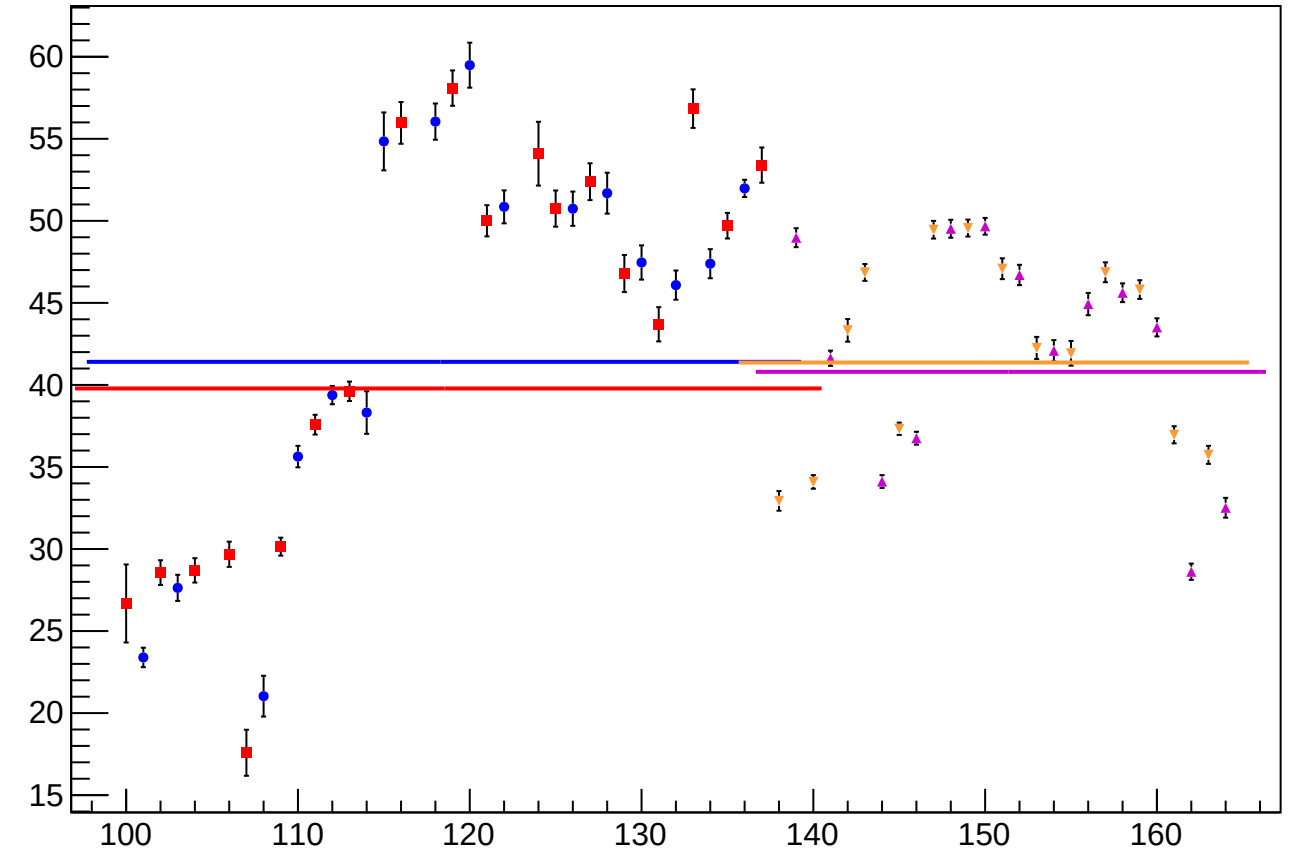
Left: 4.157+/-0.072 χ^2/NDF: 2973.1/26

Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.706+/-0.091 χ^2/NDF:4490.6/28

Out: 3.417+/-0.091 χ^2/NDF:4284.8/32

All: 3.562+/-0.064 χ^2/NDF: 8780.5/61



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 41.366+/-0.144 χ^2/NDF:1625.4/13

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 40.798+/-0.144 χ^2/NDF:2178.4/12

Left: 41.082+/-0.102 χ^2/NDF: 3811.5/26

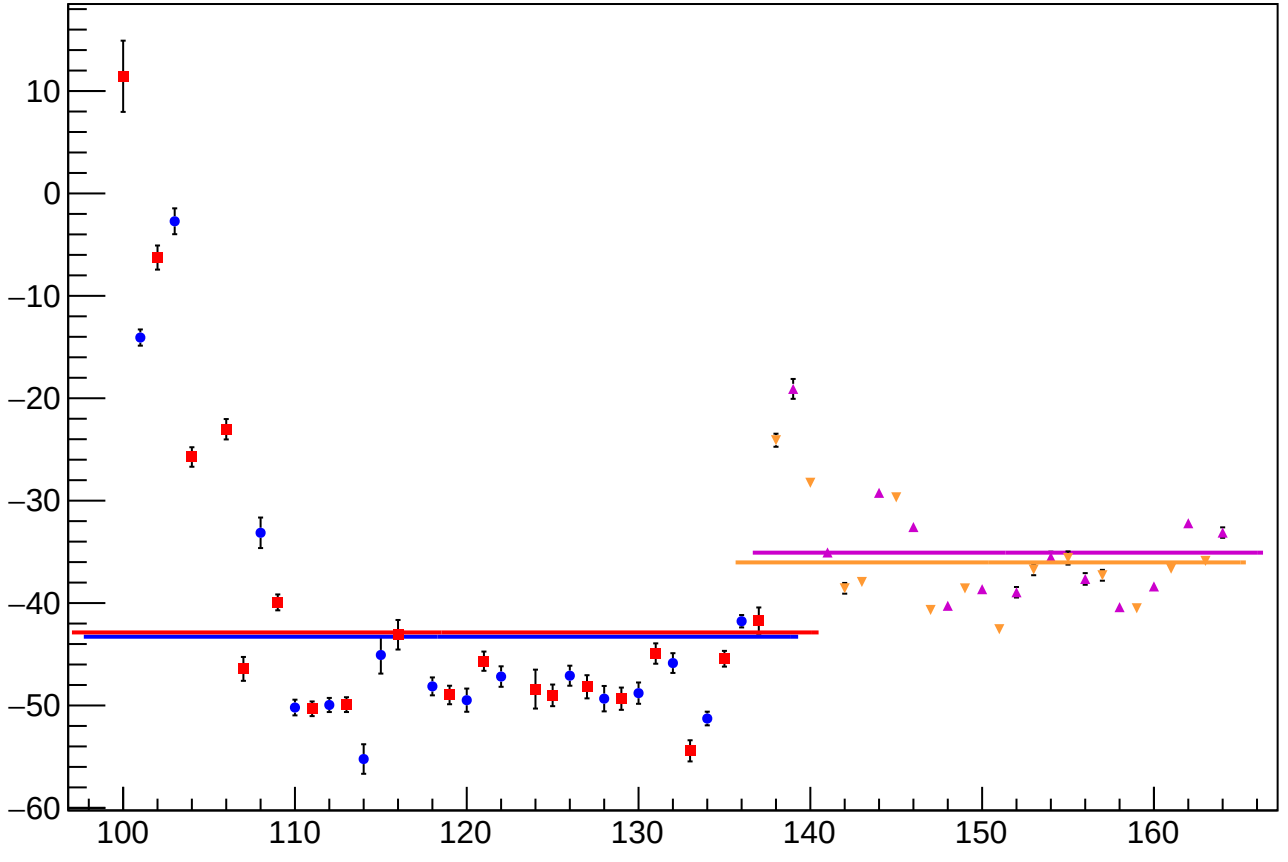
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 40.992+/-0.119 χ^2/NDF:4930.1/28

Out: 40.834+/-0.118 χ^2/NDF:4319.6/32

All: 40.912+/-0.084 χ^2/NDF: 9250.5/61

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: -36.030+/-0.119 χ^2/NDF:1620.2/13

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -35.078+/-0.119 χ^2/NDF:1258.2/12

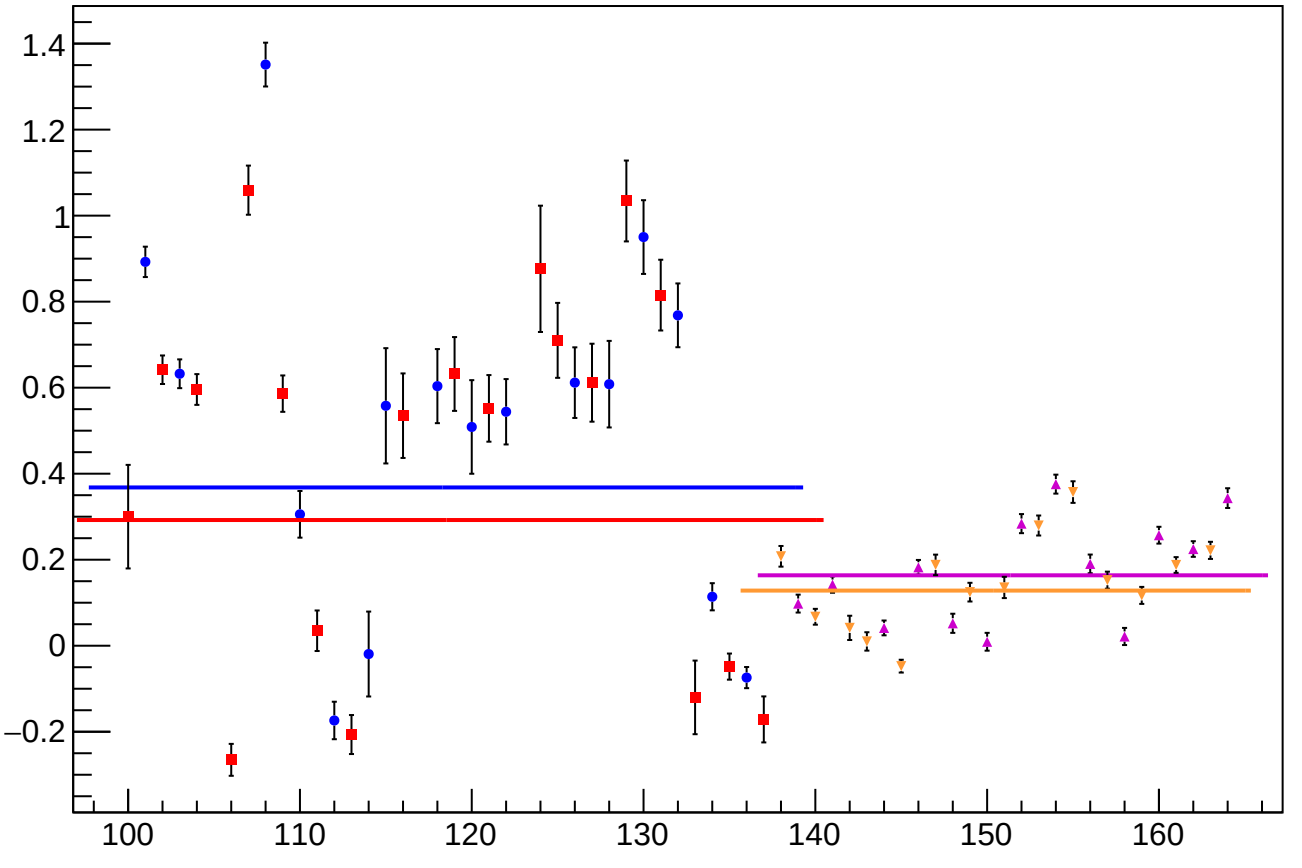
Left: -35.552+/-0.084 χ^2/NDF: 2910.5/26

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -36.814+/-0.105 χ^2/NDF:5253.3/28

Out: -37.486+/-0.106 χ^2/NDF:4775.9/32

All: -37.149+/-0.075 χ^2/NDF: 10049.4/61



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.128+/-0.006 χ^2/NDF:367.5/13

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.164+/-0.006 χ^2/NDF:413.3/12

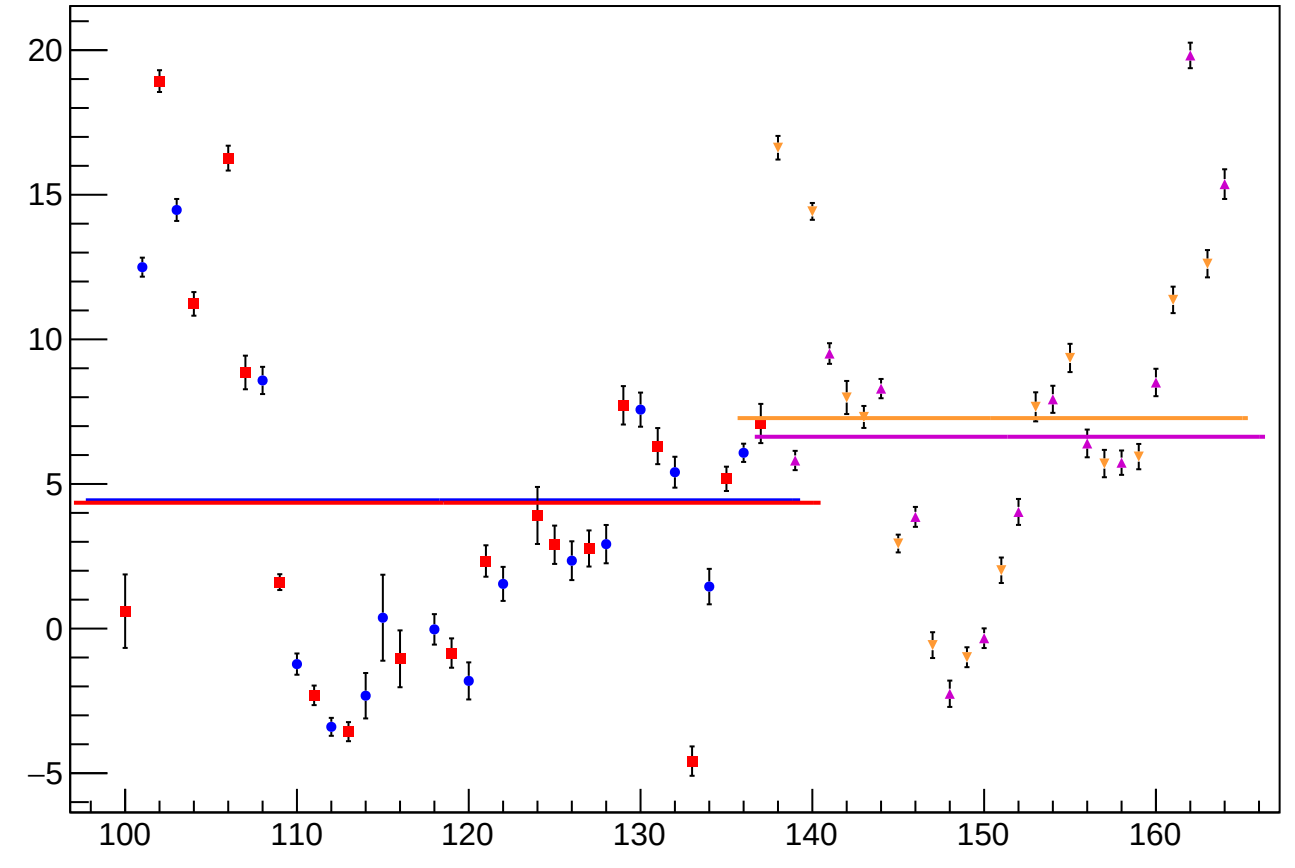
Left: 0.146+/-0.004 χ^2/NDF: 801.2/26

Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.199+/-0.005 χ^2/NDF:1966.5/28

Out: 0.157+/-0.005 χ^2/NDF:1718.3/32

All: 0.178+/-0.004 χ^2/NDF: 3719.1/61



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 7.278+/-0.109 χ^2/NDF:2600.7/13

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 6.632+/-0.111 χ^2/NDF:2205.4/12

Left: 6.962+/-0.078 χ^2/NDF: 4823.3/26

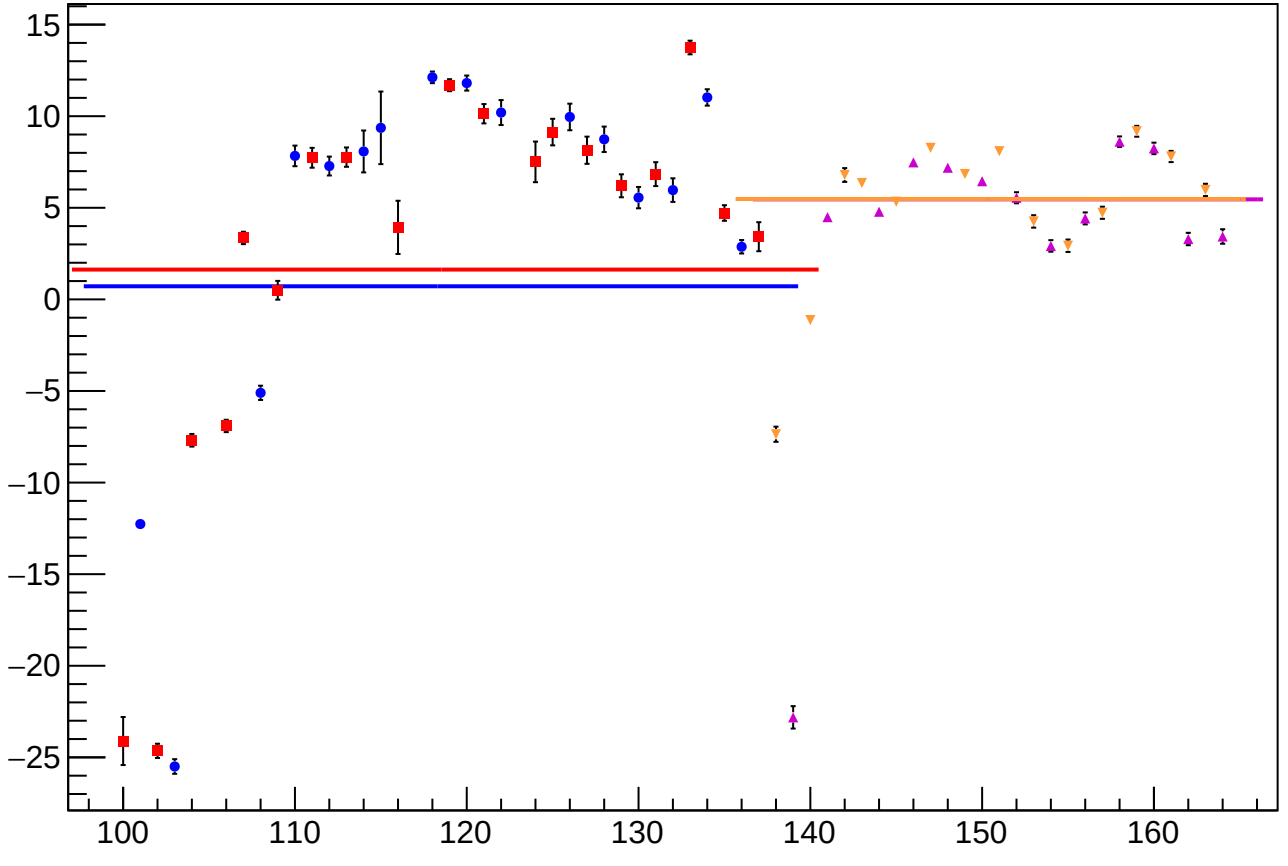
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 5.587+/-0.081 χ^2/NDF:5012.6/28

Out: 5.814+/-0.077 χ^2/NDF:7165.9/32

All: 5.706+/-0.056 χ^2/NDF: 12182.6/61

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: 5.480+/-0.076 χ^2/NDF:2334.6/13

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.460+/-0.078 χ^2/NDF:2671.1/12

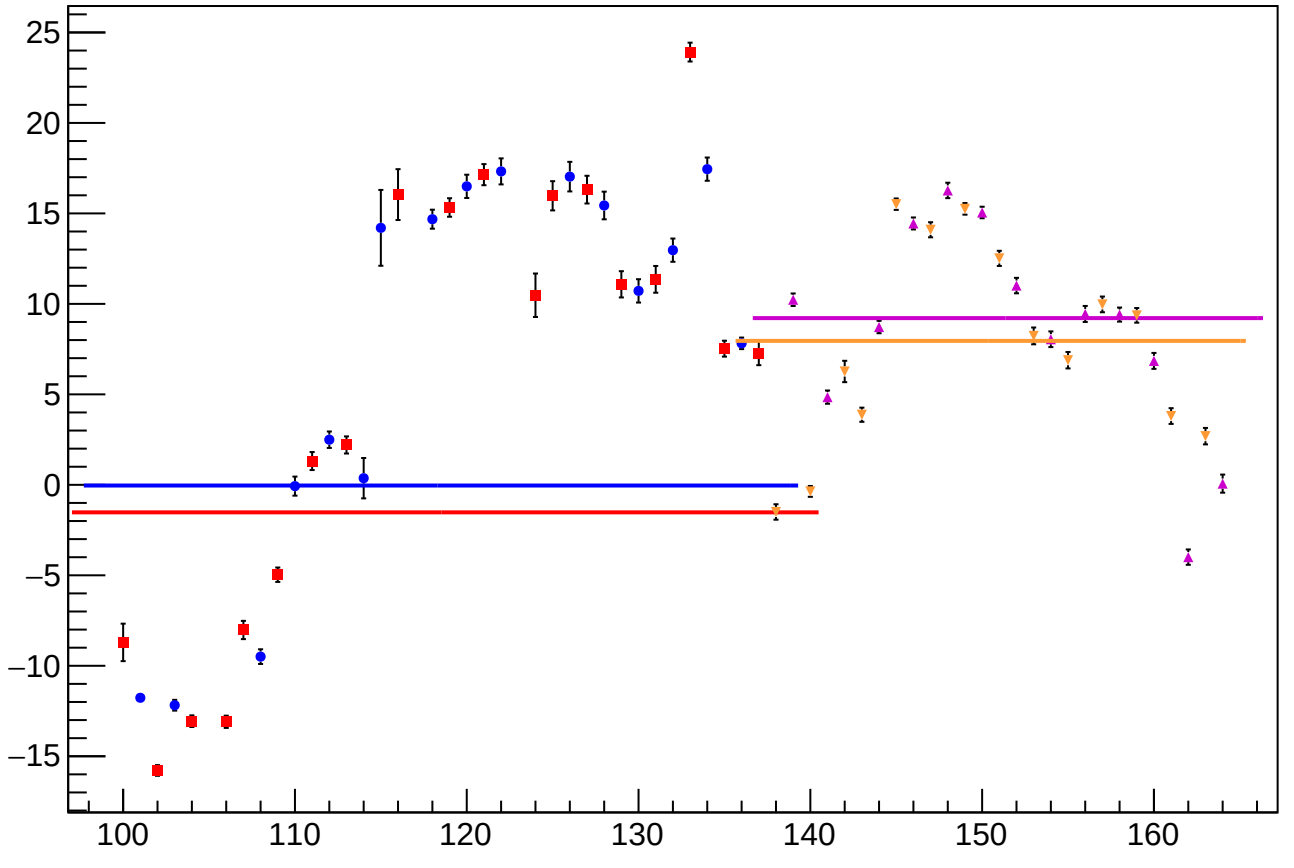
Left: 5.471+/-0.054 χ^2/NDF: 5005.7/26

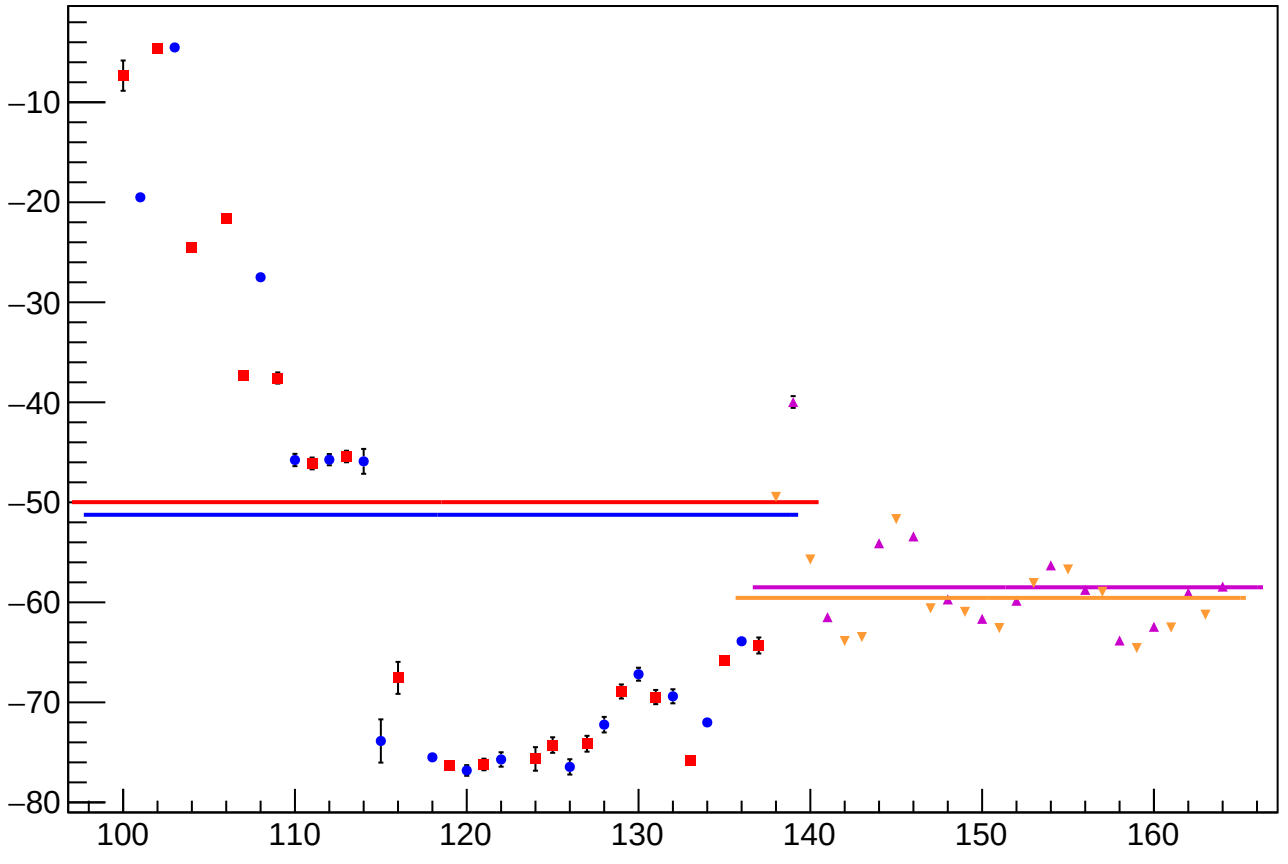
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.978+/-0.065 χ^2/NDF:14277.4/28

Out: 4.261+/-0.062 χ^2/NDF:12413.6/32

All: 4.125+/-0.045 χ^2/NDF: 26700.9/61


reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
Right In: -0.038+/-0.119 χ²/NDF: 9274.3/15
Left Out: 7.955+/-0.106 χ²/NDF:3067.9/13
Right Out: -1.521+/-0.115 χ²/NDF: 12130.2/18
Left In: 9.214+/-0.108 χ²/NDF:2371.9/12
Left: 8.576+/-0.076 χ²/NDF: 5508.8/26
Right: -0.807+/-0.083 χ²/NDF: 21484.6/34
In: 5.056+/-0.080 χ²/NDF:14954.1/28
Out: 3.585+/-0.078 χ²/NDF:18851.3/32
All: 4.303+/-0.056 χ²/NDF: 33978.3/61



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -59.554+/-0.089 χ^2/NDF:2164.2/13

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -58.494+/-0.091 χ^2/NDF:2358.3/12

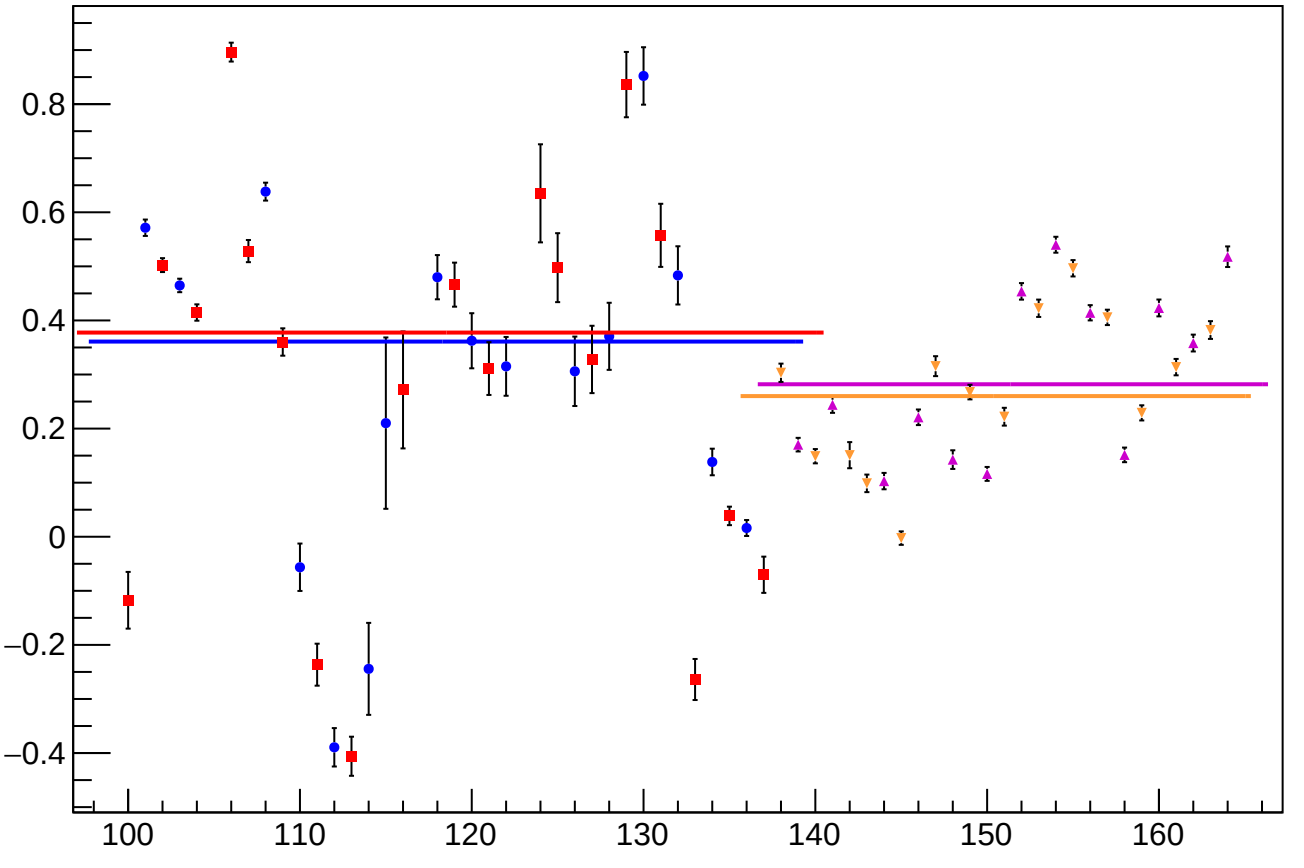
Left: -59.036+/-0.063 χ^2/NDF: 4592.1/26

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -56.255+/-0.075 χ^2/NDF:38093.2/28

Out: -56.536+/-0.073 χ^2/NDF:39729.1/32

All: -56.399+/-0.053 χ^2/NDF: 77829.5/61



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.260+/-0.004 χ^2/NDF:1179.8/13

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.282+/-0.004 χ^2/NDF:1347.5/12

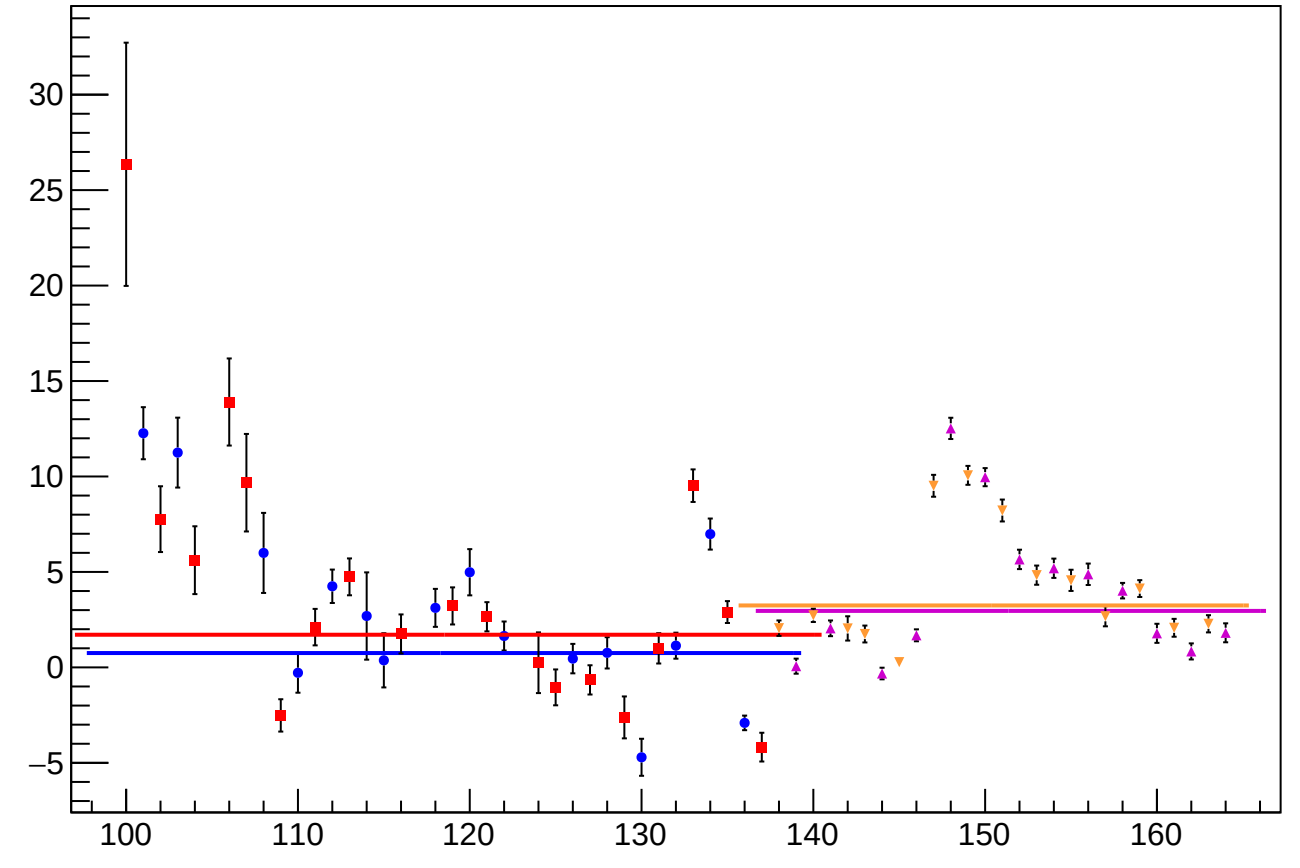
Left: 0.271+/-0.003 χ^2/NDF: 2541.6/26

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

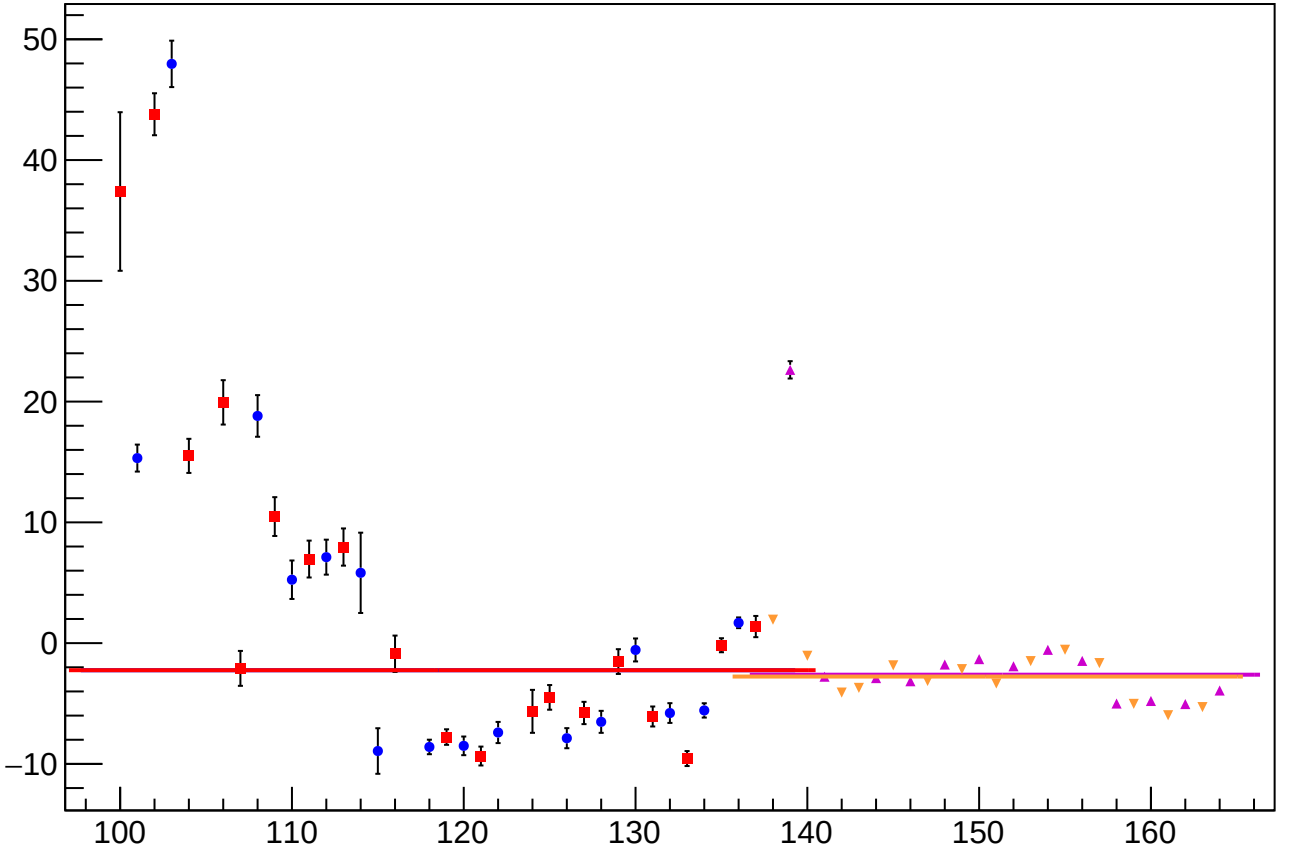
In: 0.305+/-0.003 χ^2/NDF:3316.4/28

Out: 0.296+/-0.003 χ^2/NDF:4225.2/32

All: 0.301+/-0.002 χ^2/NDF: 7544.8/61


reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 0.752+/-0.212 χ²/NDF: 330.1/15
Left Out: 3.244+/-0.118 χ²/NDF:568.3/13
Right Out: 1.710+/-0.223 χ²/NDF: 293.8/18
Left In: 2.958+/-0.118 χ²/NDF:806.9/12
Left: 3.101+/-0.083 χ²/NDF: 1378.1/26
Right: 1.208+/-0.154 χ²/NDF: 633.6/34
In: 2.437+/-0.103 χ²/NDF:1219.4/28
Out: 2.909+/-0.104 χ²/NDF:899.2/32
All: 2.670+/-0.073 χ²/NDF: 2128.9/61

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: -2.767+/-0.083 χ^2/NDF:504.8/13

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.614+/-0.083 χ^2/NDF:1509.5/12

Left: -2.690+/-0.059 χ^2/NDF: 2016.1/26

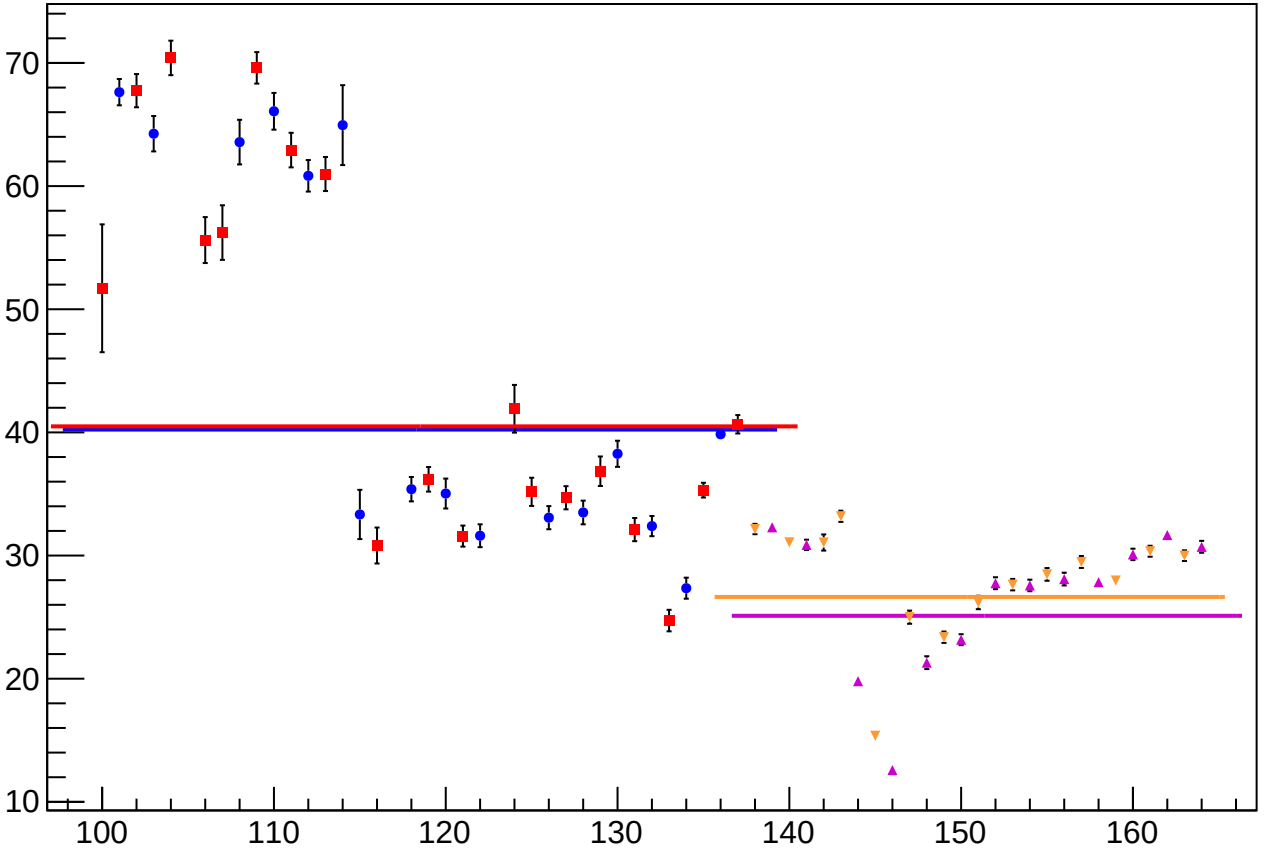
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.566+/-0.077 χ^2/NDF:3084.6/28

Out: -2.706+/-0.078 χ^2/NDF:2065.1/32

All: -2.635+/-0.055 χ^2/NDF: 5151.3/61

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: 26.639+/-0.116 χ^2/NDF:2546.9/13

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 25.109+/-0.115 χ^2/NDF:3229.4/12

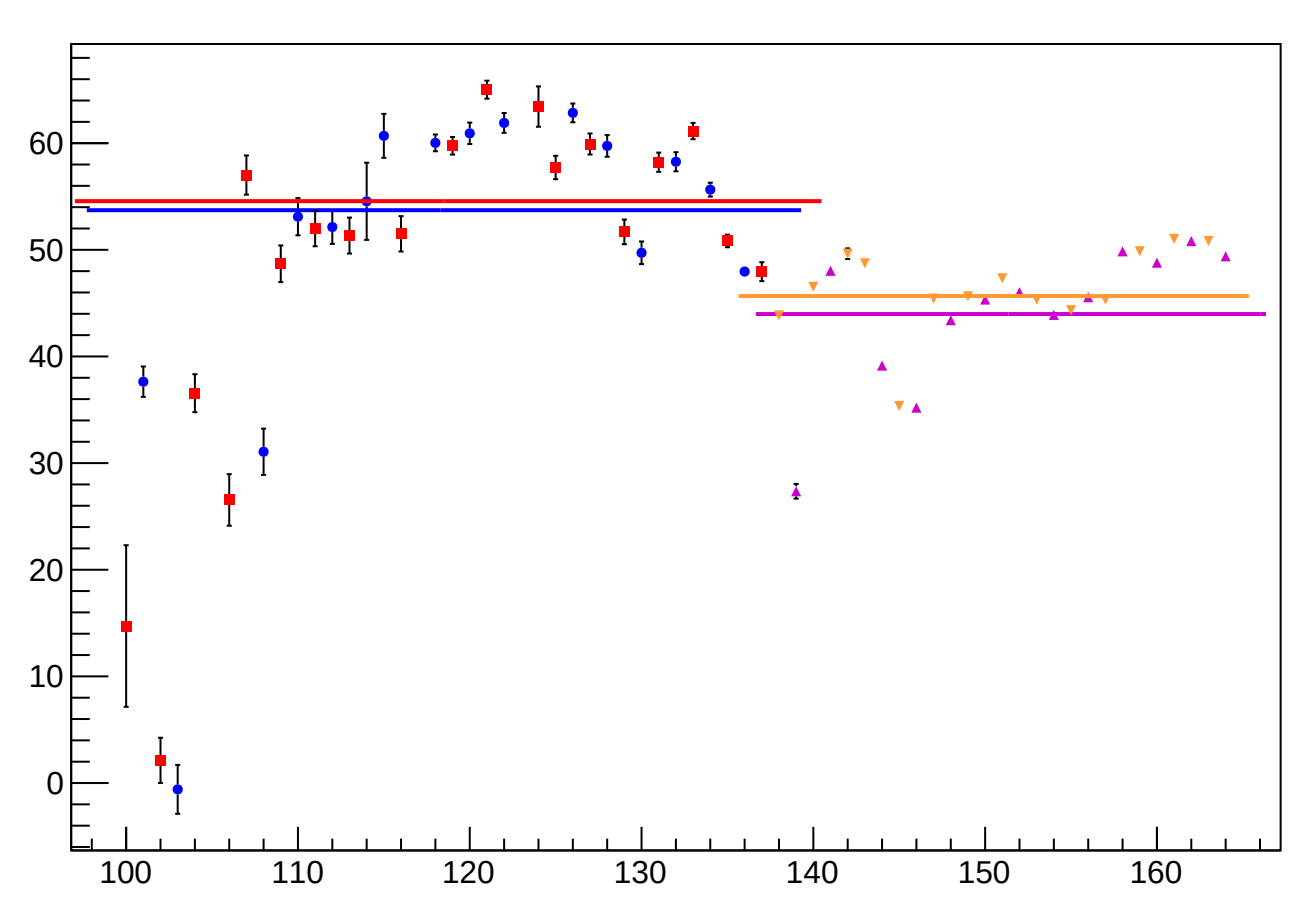
Left: 25.866+/-0.081 χ^2/NDF: 5864.6/26

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 28.087+/-0.103 χ^2/NDF:8949.5/28

Out: 29.081+/-0.105 χ^2/NDF:7764.6/32

All: 28.572+/-0.073 χ^2/NDF: 16759.8/61



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 45.666+/-0.097 χ^2/NDF:2601.8/13

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 43.978+/-0.096 χ^2/NDF:3646.4/12

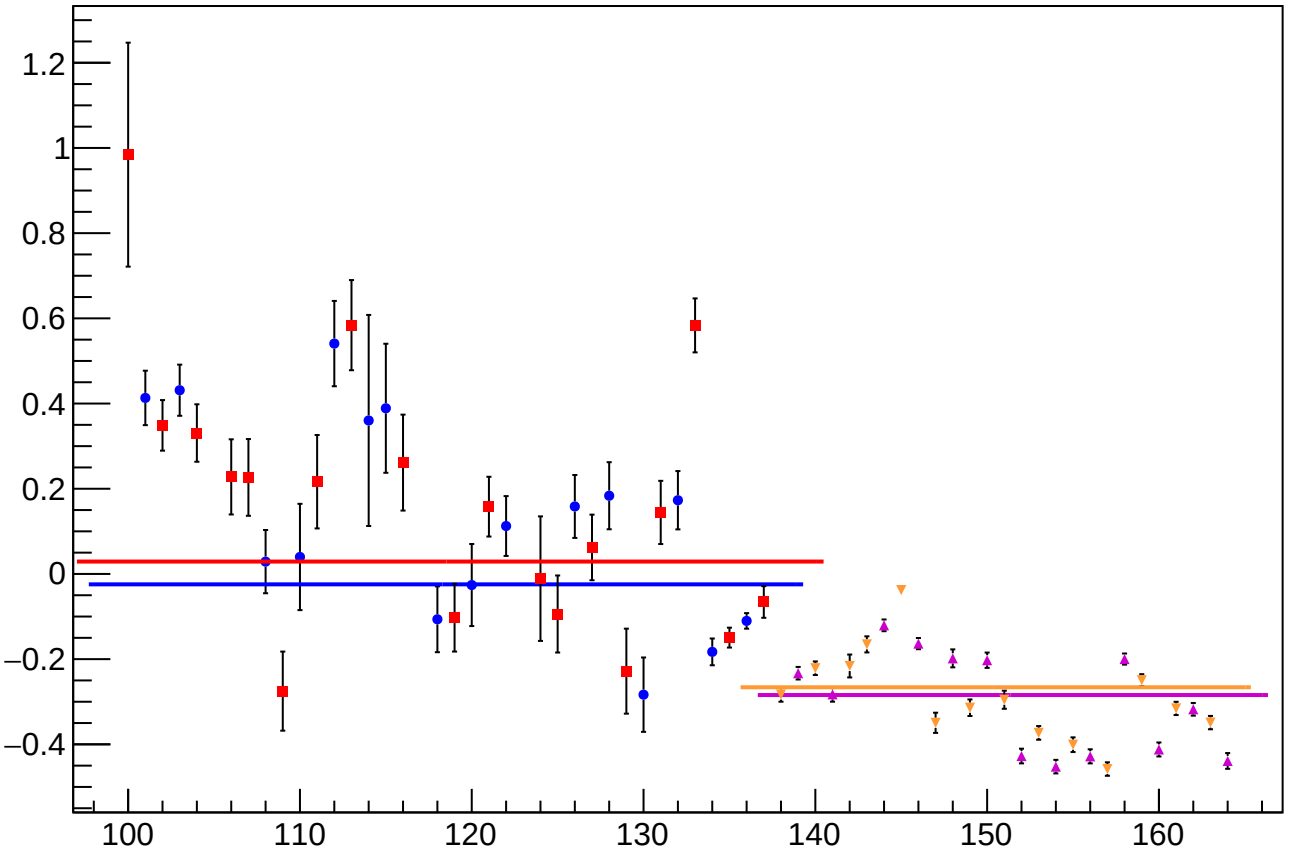
Left: 44.812+/-0.068 χ^2/NDF: 6402.3/26

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 45.321+/-0.089 χ^2/NDF:6440.1/28

Out: 46.777+/-0.090 χ^2/NDF:5000.9/32

All: 46.034+/-0.063 χ^2/NDF: 11572.9/61



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.266+/-0.004 χ^2/NDF:800.9/13

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.284+/-0.004 χ^2/NDF:708.2/12

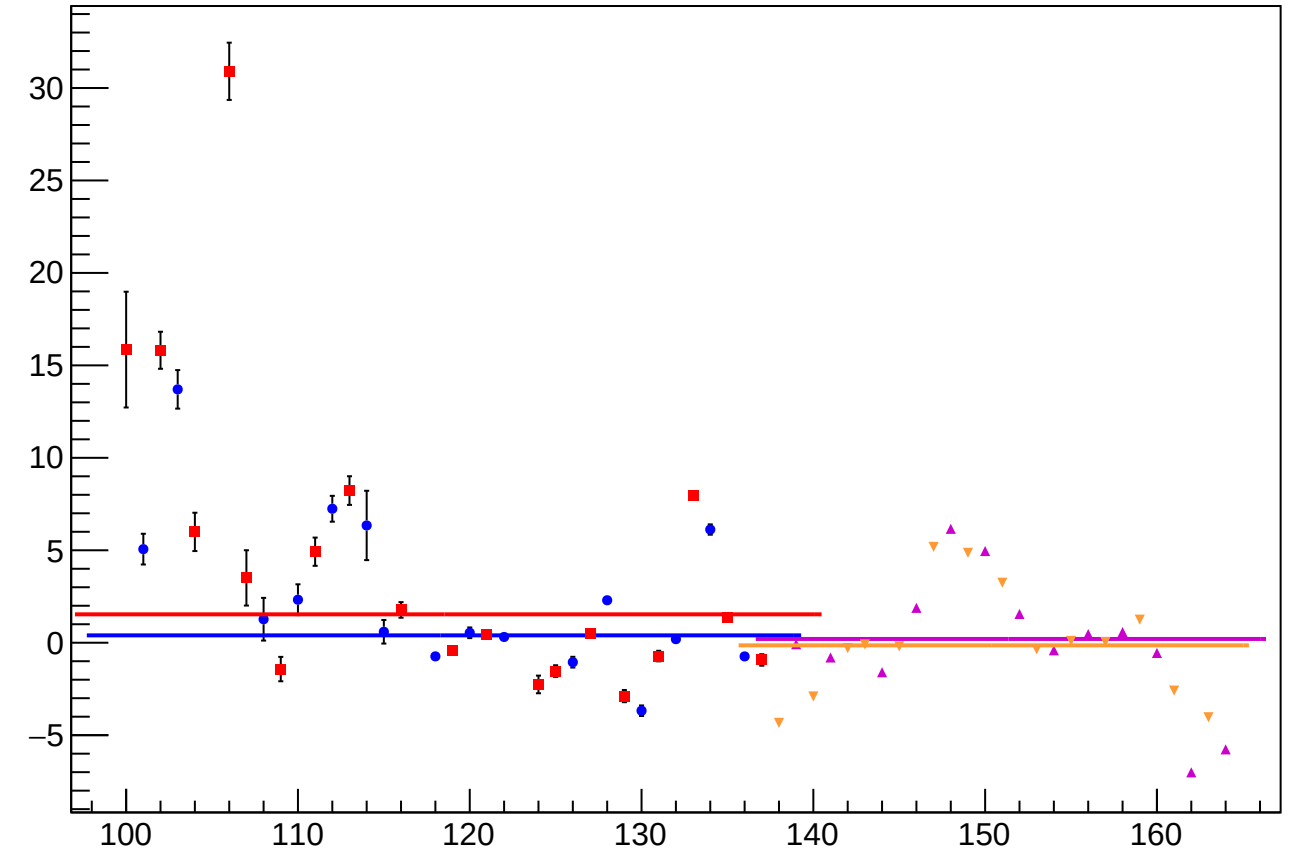
Left: -0.275+/-0.003 χ^2/NDF: 1517.7/26

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.257+/-0.004 χ^2/NDF:1306.7/28

Out: -0.240+/-0.004 χ^2/NDF:1468.7/32

All: -0.249+/-0.003 χ^2/NDF: 2783.6/61



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -0.142+/-0.044 χ^2/NDF:3848.2/13

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.204+/-0.044 χ^2/NDF:4841.1/12

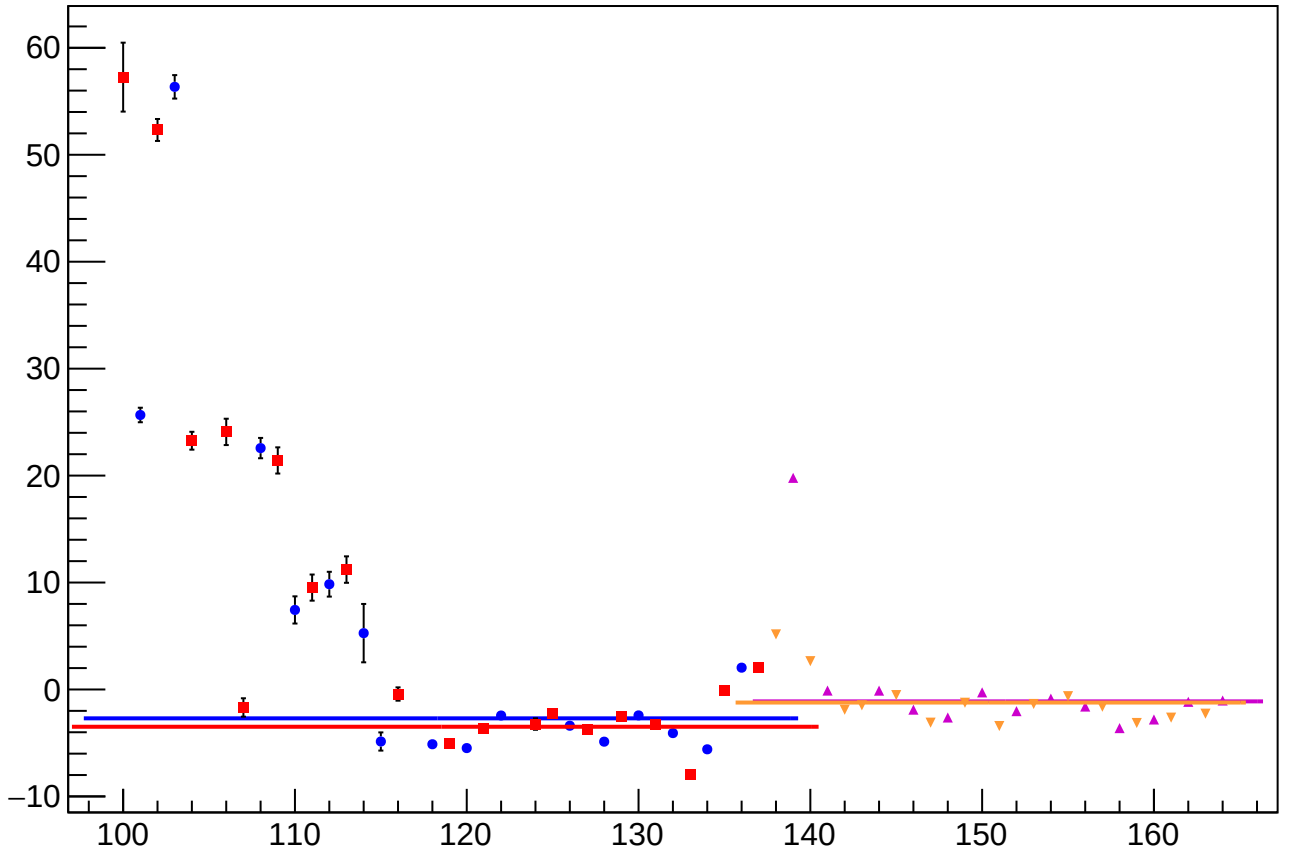
Left: 0.032+/-0.031 χ^2/NDF: 8719.8/26

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.252+/-0.038 χ^2/NDF:5943.3/28

Out: 0.268+/-0.039 χ^2/NDF:6607.4/32

All: 0.260+/-0.027 χ^2/NDF: 12550.8/61



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.221+/-0.031 χ^2/NDF:4171.5/13

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -1.113+/-0.031 χ^2/NDF:8064.0/12

Left: -1.166+/-0.022 χ^2/NDF: 12241.5/26

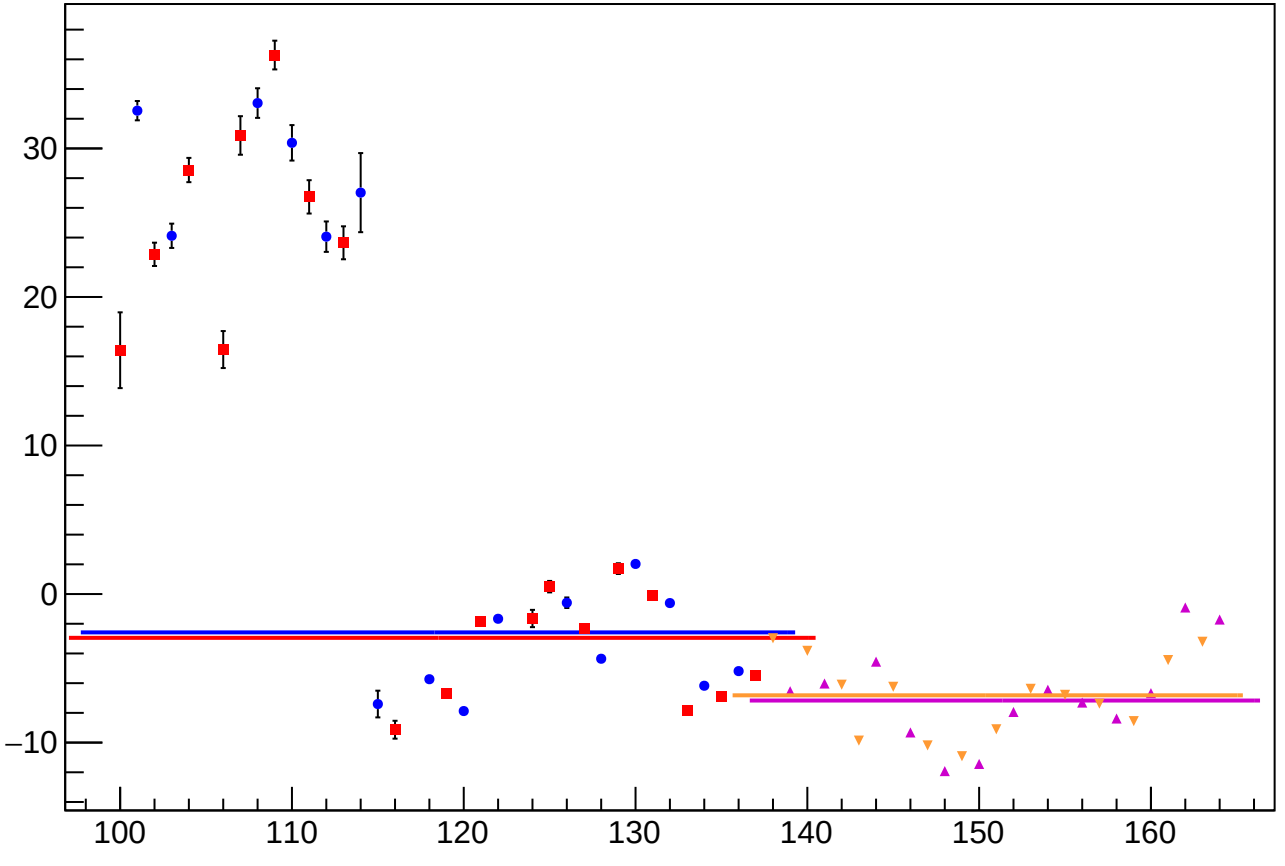
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.368+/-0.028 χ^2/NDF:15589.7/28

Out: -1.591+/-0.029 χ^2/NDF:12185.8/32

All: -1.478+/-0.020 χ^2/NDF: 27806.2/61

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.818+/-0.044 χ^2/NDF:3367.9/13

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -7.170+/-0.043 χ^2/NDF:4607.4/12

Left: -6.996+/-0.031 χ^2/NDF: 8008.2/26

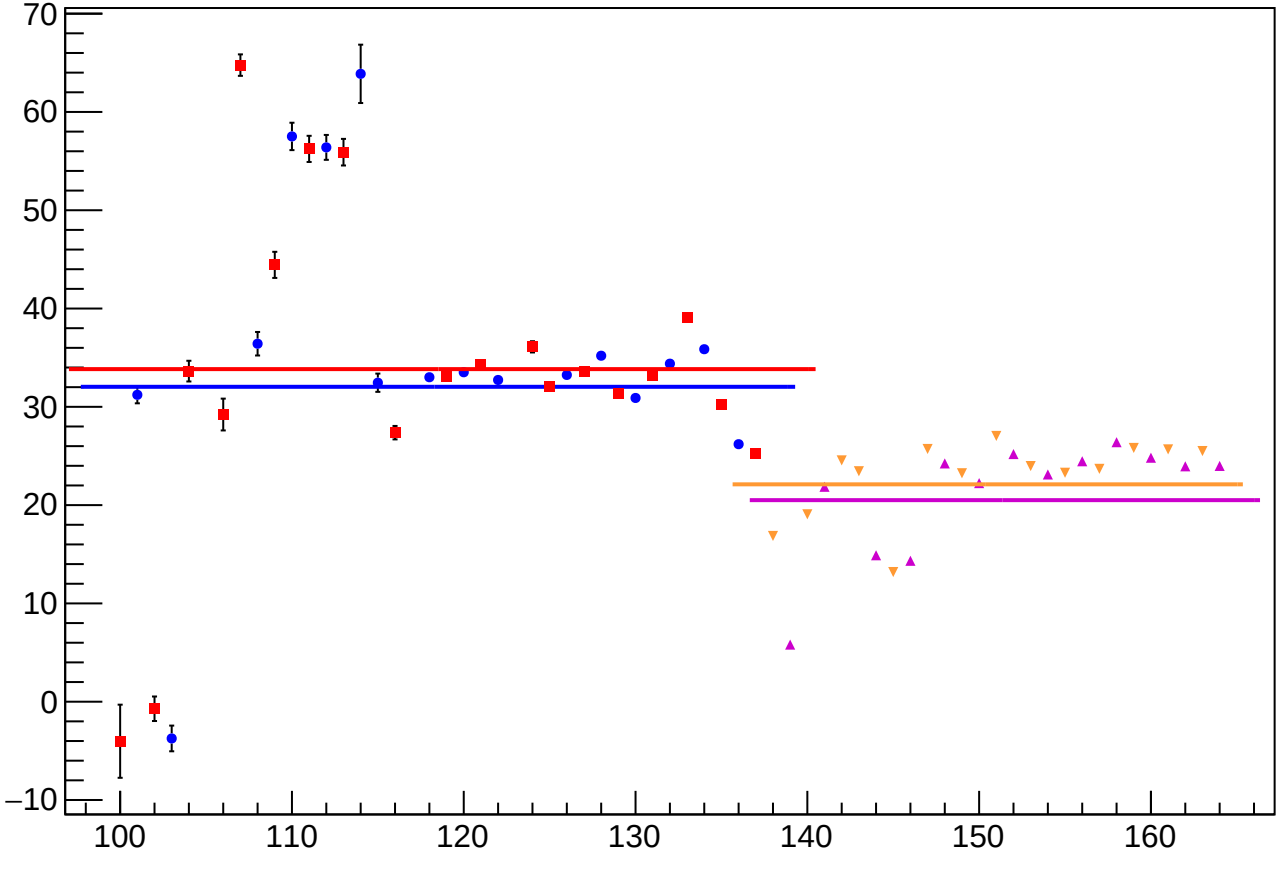
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.199+/-0.038 χ^2/NDF:15171.0/28

Out: -6.010+/-0.039 χ^2/NDF:13206.6/32

All: -6.106+/-0.027 χ^2/NDF: 28389.6/61

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: 22.114+/-0.037 χ^2/NDF:15467.3/13

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 20.506+/-0.036 χ^2/NDF:18990.0/12

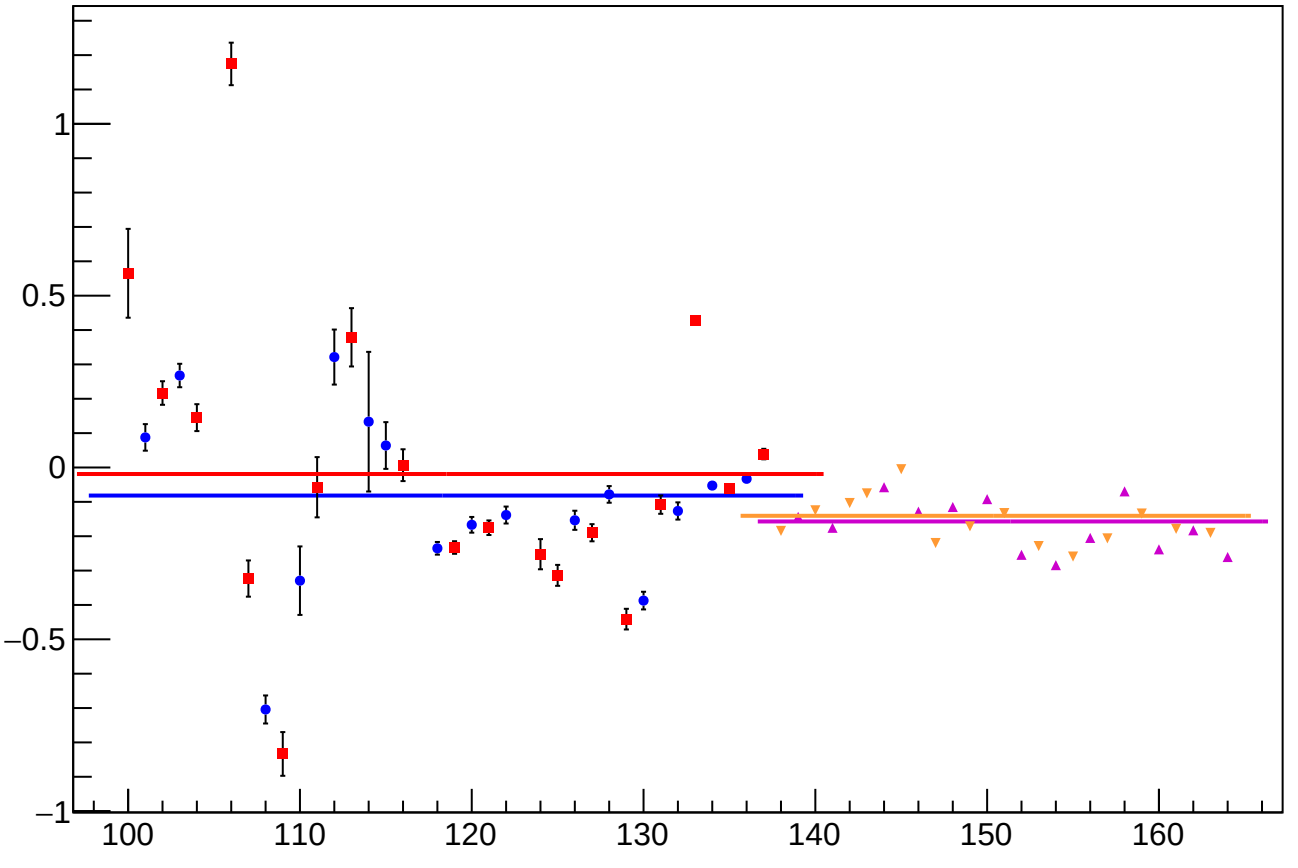
Left: 21.299+/-0.026 χ^2/NDF: 35431.5/26

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 22.413+/-0.033 χ^2/NDF:39043.2/28

Out: 24.085+/-0.033 χ^2/NDF:36866.2/32

All: 23.239+/-0.024 χ^2/NDF: 77172.4/61



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.141+/-0.002 χ^2/NDF:2143.8/13

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.157+/-0.002 χ^2/NDF:1829.0/12

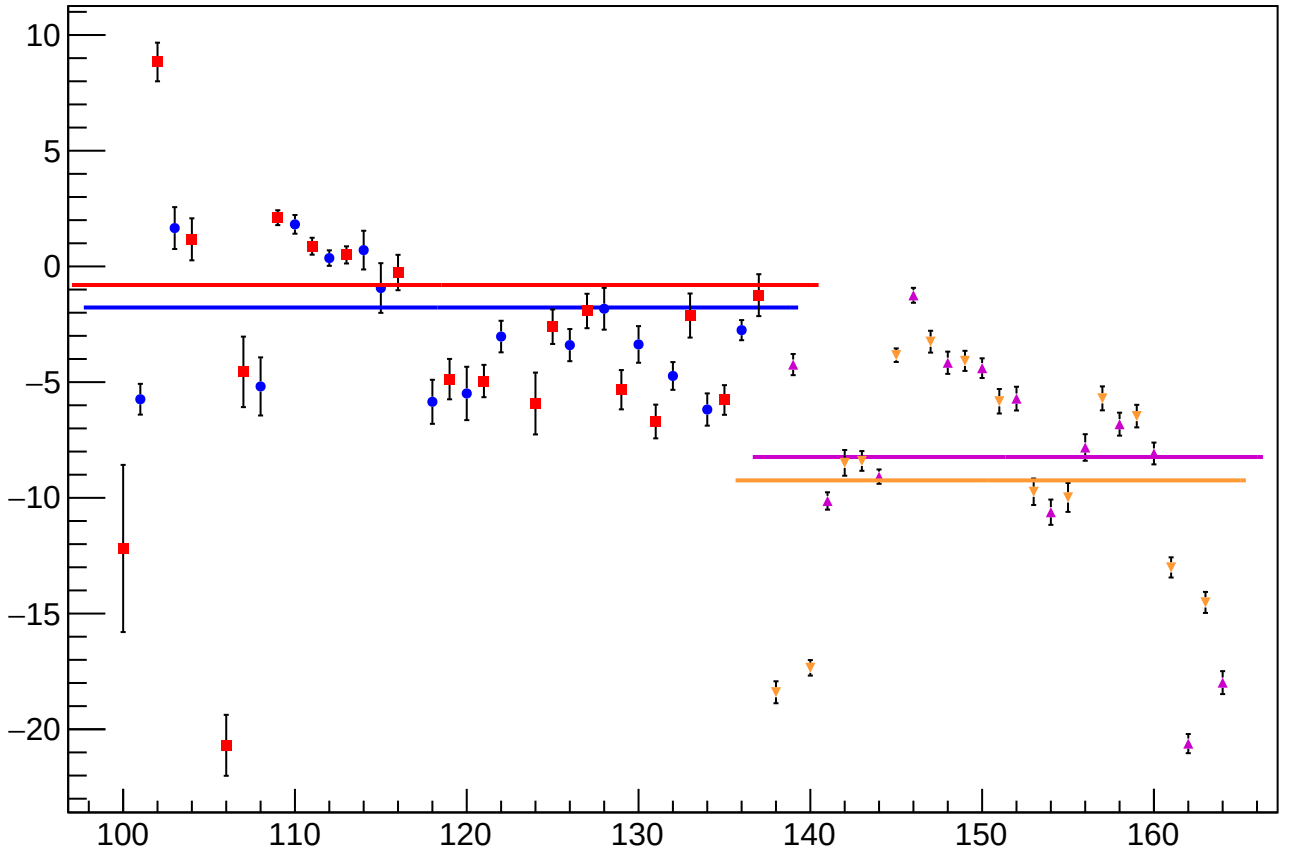
Left: -0.149+/-0.001 χ^2/NDF: 4021.4/26

Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

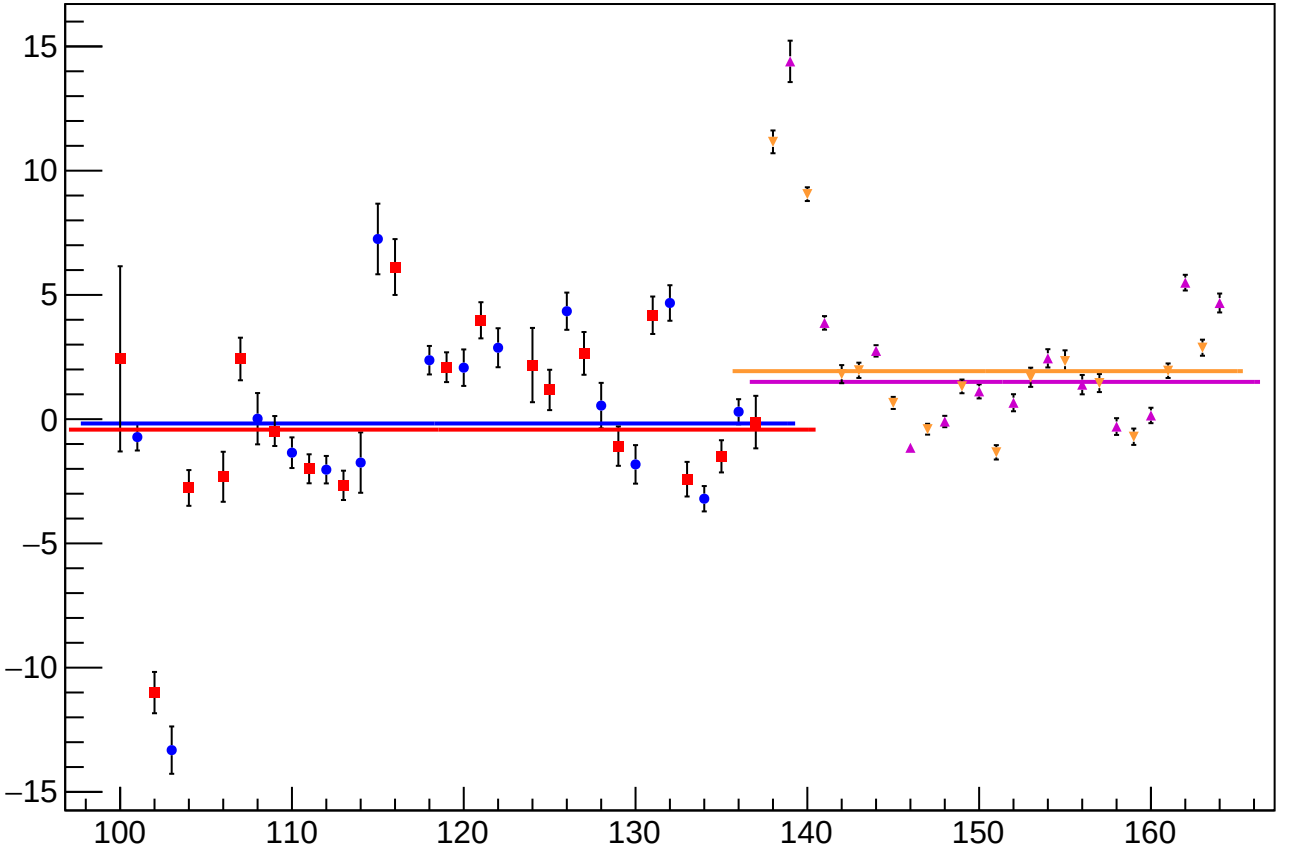
In: -0.149+/-0.002 χ^2/NDF:2736.1/28

Out: -0.129+/-0.002 χ^2/NDF:4912.4/32

All: -0.139+/-0.001 χ^2/NDF: 7728.5/61


reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected
10
5
0
−5
−10
−15
−20
100
110
120
130
140
150
160
Right In: -1.775+/-0.157 χ²/NDF: 297.7/15
Left Out: -9.245+/-0.119 χ²/NDF:1936.1/13
Right Out: -0.803+/-0.148 χ²/NDF: 733.7/18
Left In: -8.234+/-0.119 χ²/NDF:2066.9/12
Left: -8.741+/-0.084 χ²/NDF: 4039.0/26
Right: -1.261+/-0.108 χ²/NDF: 1051.6/34
In: -5.876+/-0.095 χ²/NDF:3437.5/28
Out: -5.941+/-0.093 χ²/NDF:4641.5/32
All: -5.909+/-0.066 χ²/NDF: 8079.3/61

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: 1.932+/-0.082 χ^2/NDF:1418.3/13

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.500+/-0.082 χ^2/NDF:871.3/12

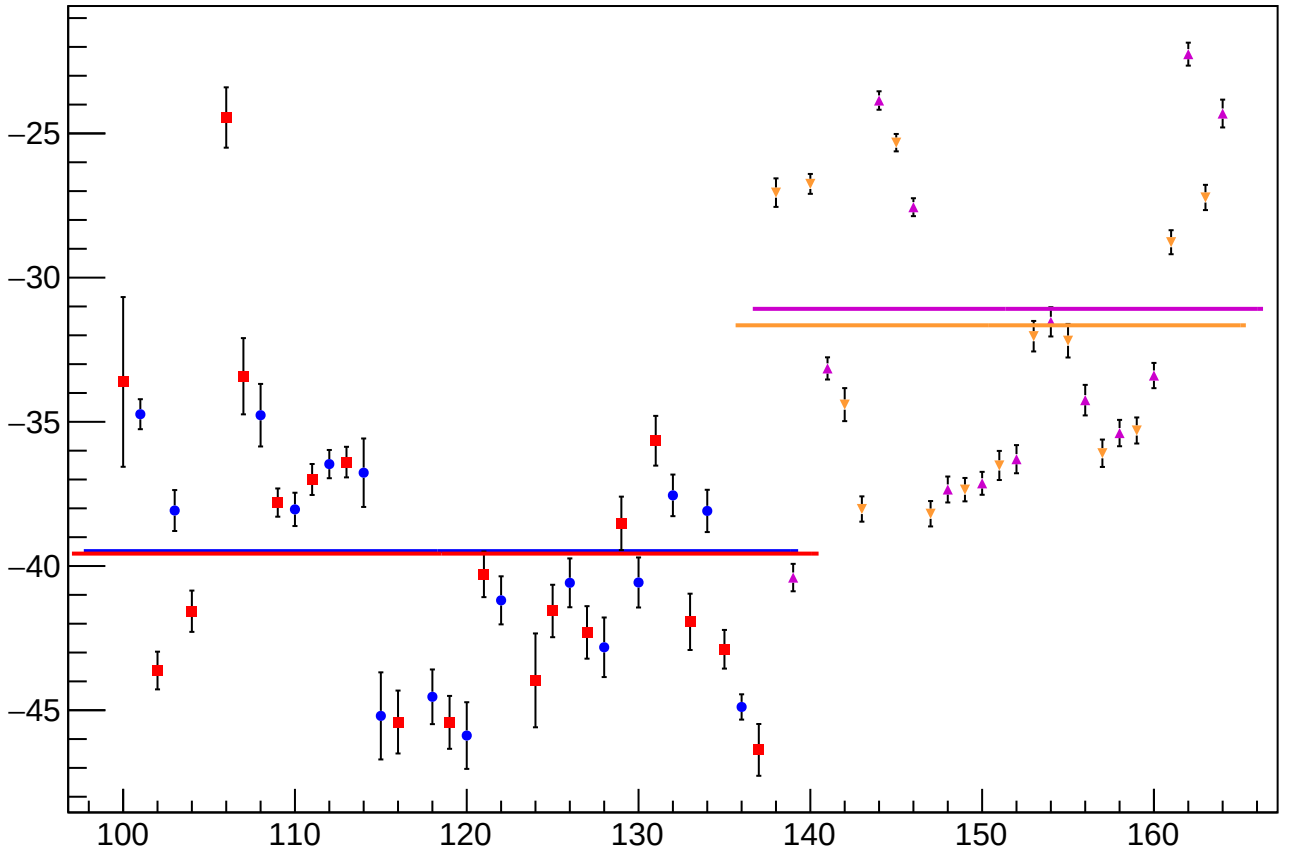
Left: 1.715+/-0.058 χ^2/NDF: 2303.5/26

Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 1.196+/-0.074 χ^2/NDF:1351.0/28

Out: 1.518+/-0.074 χ^2/NDF:1929.9/32

All: 1.356+/-0.052 χ^2/NDF: 3290.4/61



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -31.653+/-0.116 χ^2/NDF:1778.5/13

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -31.083+/-0.116 χ^2/NDF:2433.9/12

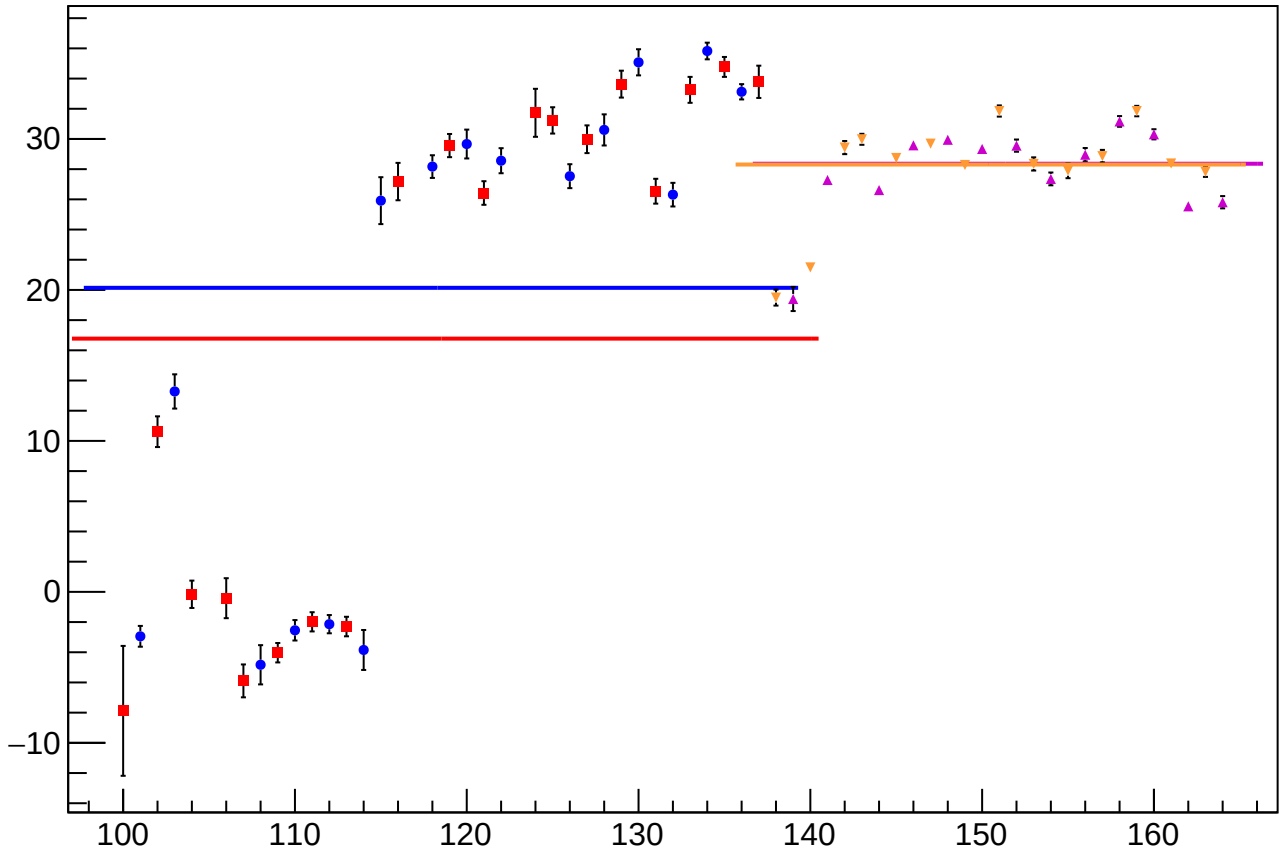
Left: -31.366+/-0.082 χ^2/NDF: 4224.5/26

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -33.531+/-0.097 χ^2/NDF:4382.9/28

Out: -33.971+/-0.098 χ^2/NDF:3685.3/32

All: -33.749+/-0.069 χ^2/NDF: 8078.3/61



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 28.307+/-0.096 χ^2/NDF:949.6/13

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.360+/-0.095 χ^2/NDF:463.2/12

Left: 28.333+/-0.068 χ^2/NDF: 1413.0/26

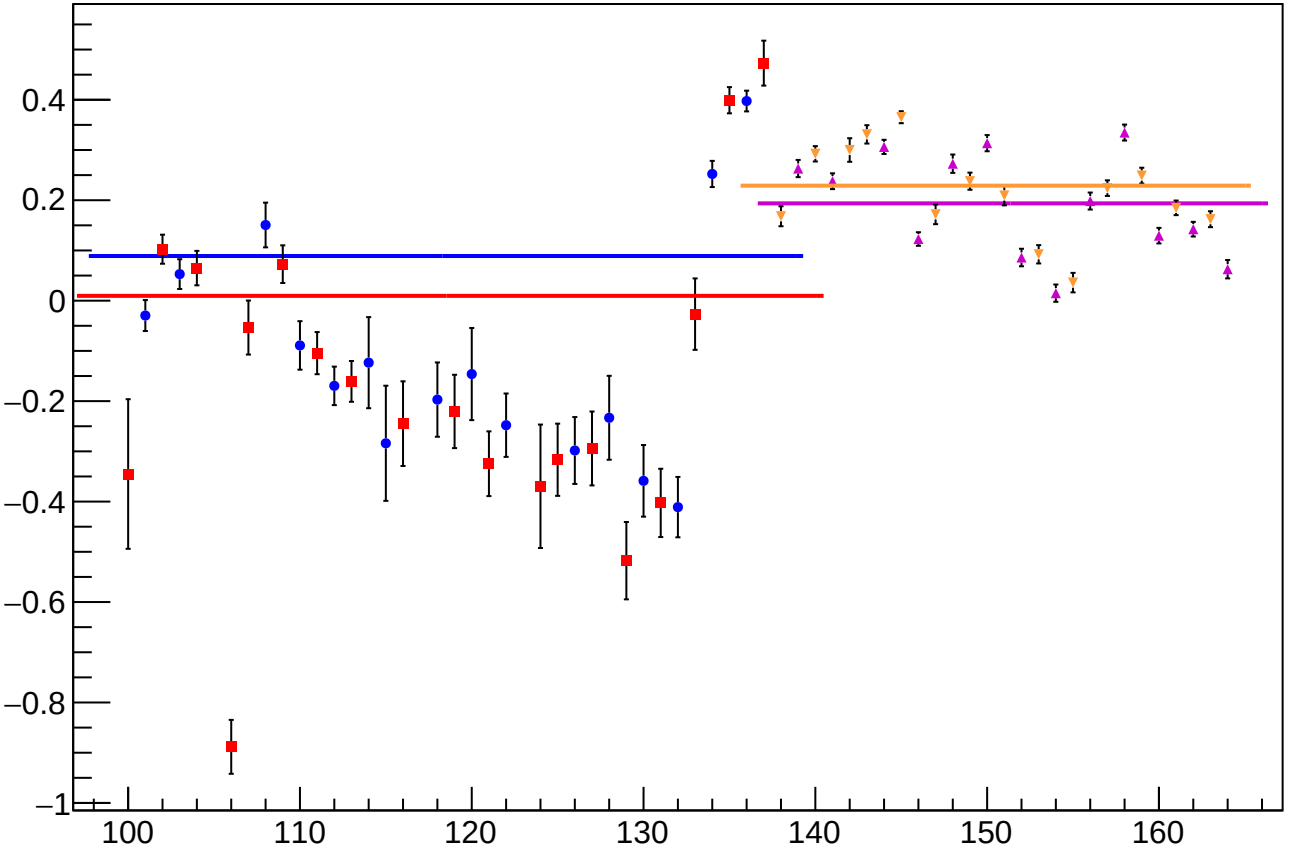
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.769+/-0.086 χ^2/NDF:8585.1/28

Out: 26.139+/-0.087 χ^2/NDF:10396.1/32

All: 26.458+/-0.061 χ^2/NDF: 19008.1/61

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.229+/-0.004 χ^2/NDF:390.9/13

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.194+/-0.004 χ^2/NDF:494.8/12

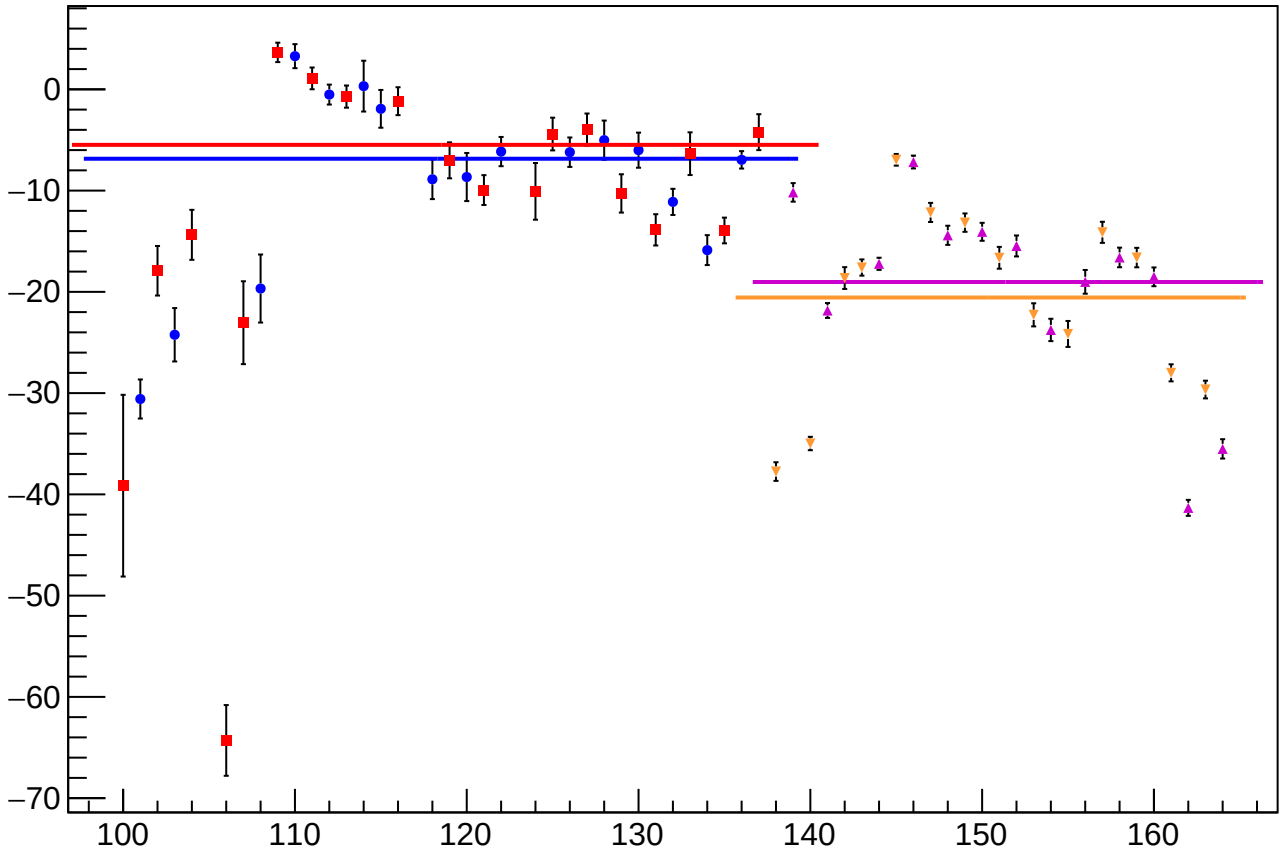
Left: 0.211+/-0.003 χ^2/NDF: 916.9/26

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

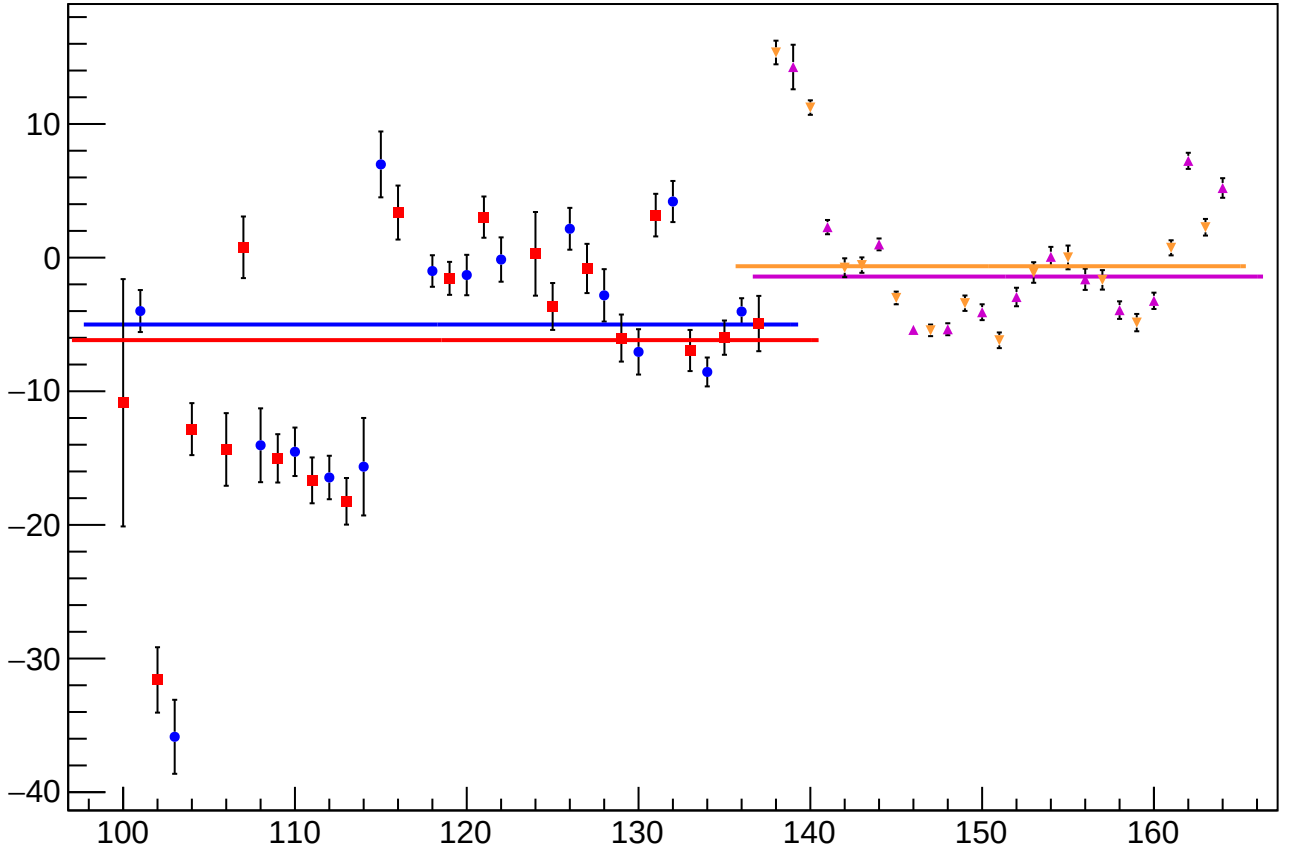
In: 0.178+/-0.004 χ^2/NDF:1144.5/28

Out: 0.198+/-0.004 χ^2/NDF:1565.9/32

All: 0.188+/-0.003 χ^2/NDF: 2722.5/61


reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
Right In: -6.853+/-0.376 χ²/NDF: 390.1/15
Left Out: -20.560+/-0.234 χ²/NDF:1810.0/13
Right Out: -5.483+/-0.369 χ²/NDF: 606.5/18
Left In: -19.027+/-0.235 χ²/NDF:1652.3/12
Left: -19.795+/-0.166 χ²/NDF: 3483.6/26
Right: -6.155+/-0.263 χ²/NDF: 1003.4/34
In: -15.600+/-0.199 χ²/NDF:2797.2/28
Out: -16.225+/-0.198 χ²/NDF:3606.0/32
All: -15.915+/-0.140 χ²/NDF: 6408.2/61

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.644+/-0.162 χ^2/NDF:1135.4/13

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -1.417+/-0.160 χ^2/NDF:696.8/12

Left: -1.034+/-0.114 χ^2/NDF: 1843.7/26

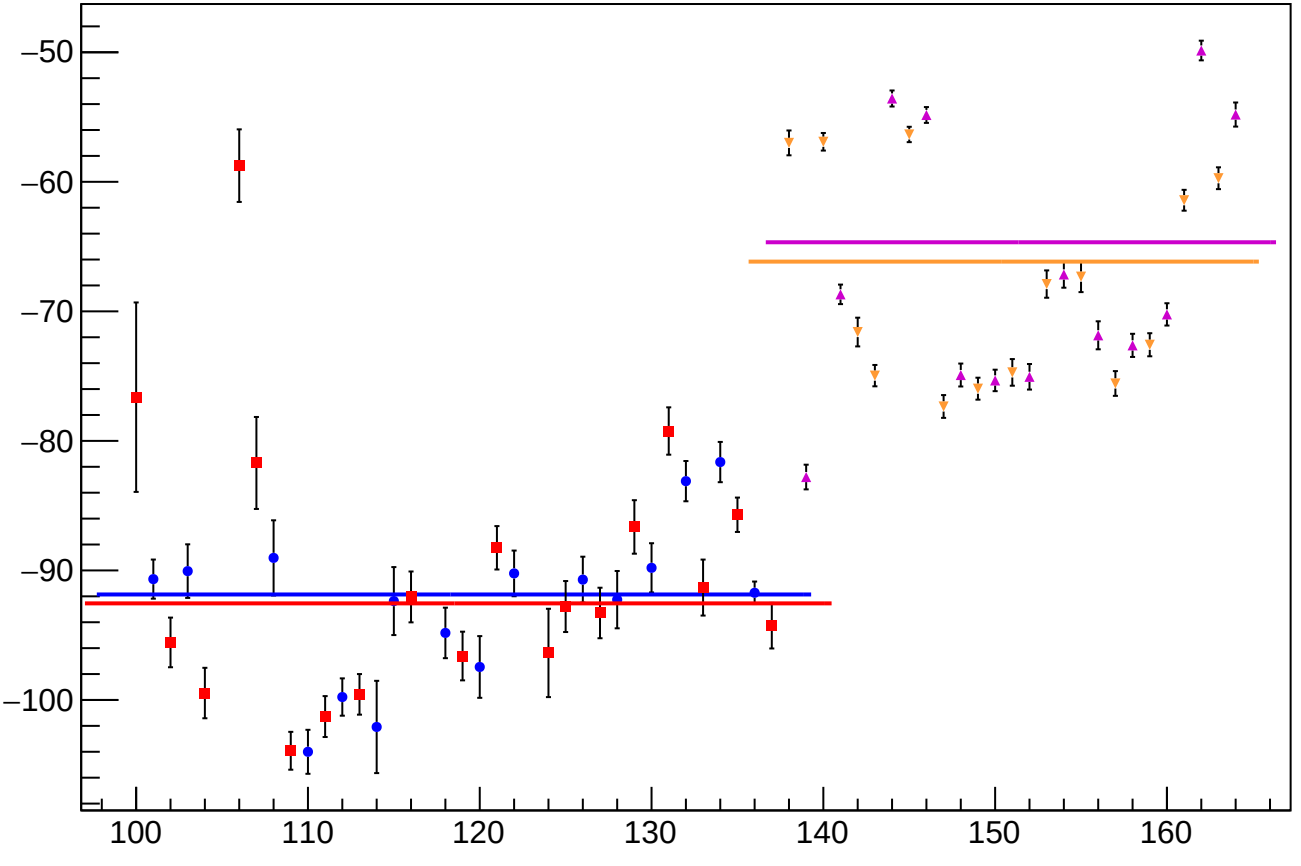
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -1.923+/-0.148 χ^2/NDF:1109.3/28

Out: -1.368+/-0.151 χ^2/NDF:1657.6/32

All: -1.650+/-0.106 χ^2/NDF: 2773.8/61

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: -66.160+/-0.230 χ^2/NDF:1299.3/13

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -64.666+/-0.228 χ^2/NDF:2043.9/12

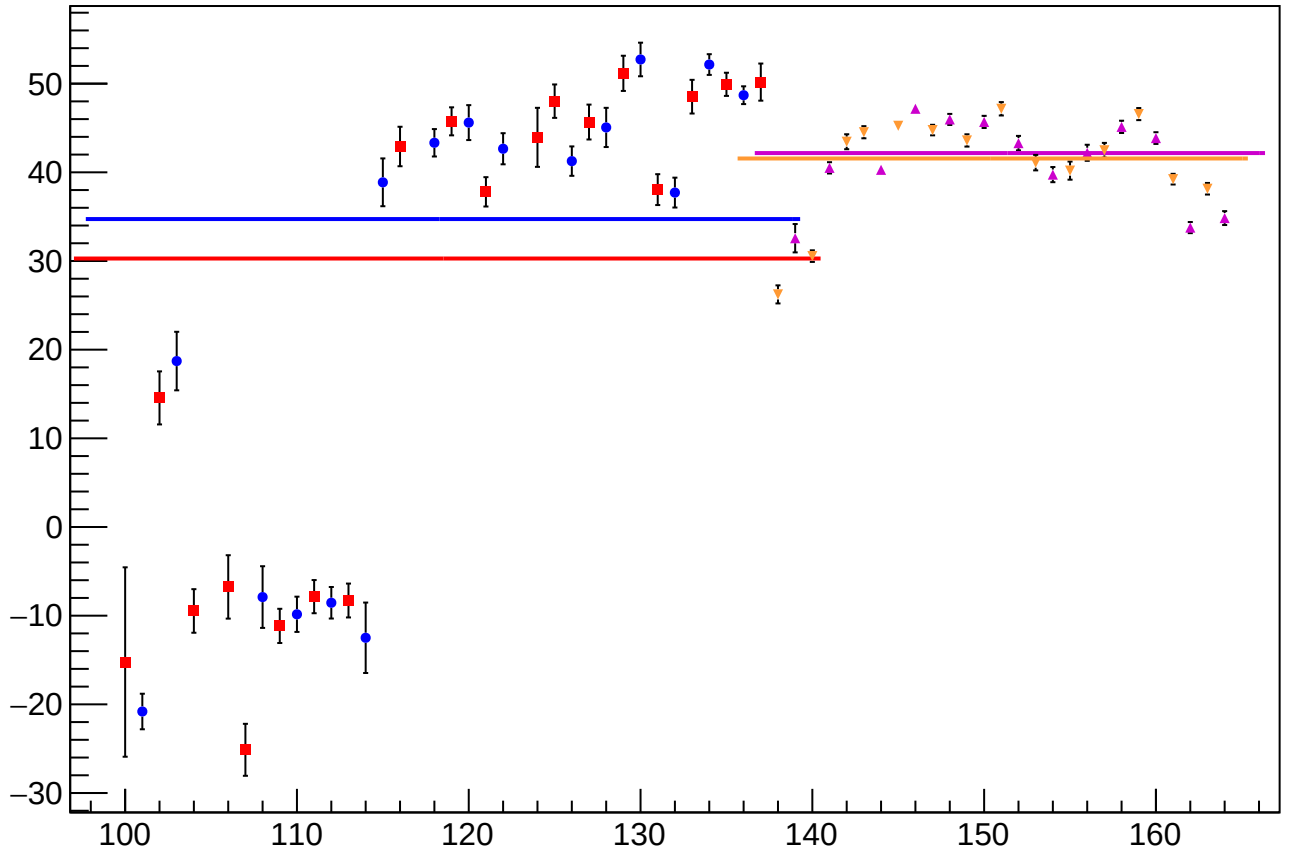
Left: -65.408+/-0.162 χ^2/NDF: 3364.5/26

Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -70.771+/-0.201 χ^2/NDF:5409.6/28

Out: -71.833+/-0.204 χ^2/NDF:4519.2/32

All: -71.294+/-0.143 χ^2/NDF: 9942.6/61



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.559+/-0.190 χ^2/NDF:770.4/13

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 42.172+/-0.188 χ^2/NDF:533.4/12

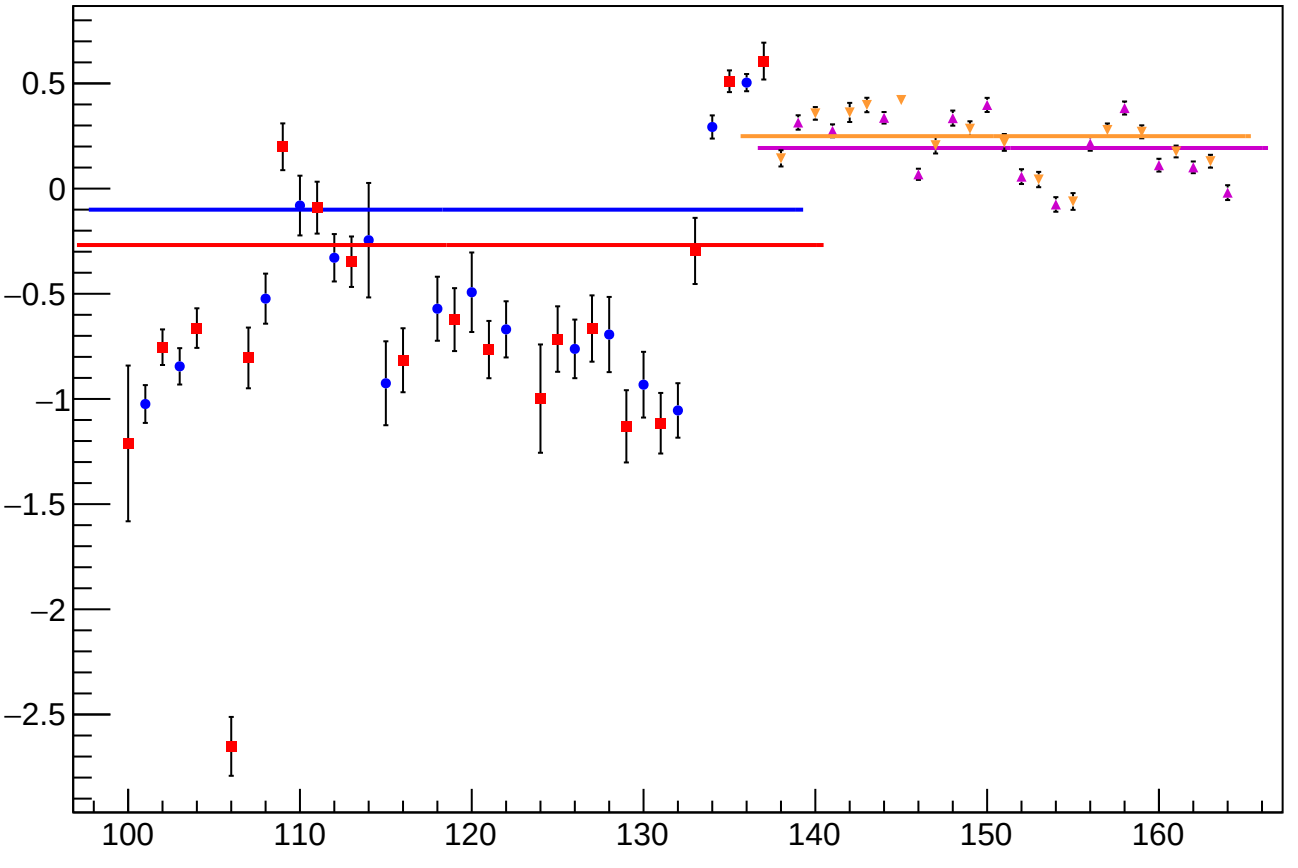
Left: 41.869+/-0.133 χ^2/NDF: 1309.0/26

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 41.034+/-0.173 χ^2/NDF:3582.8/28

Out: 39.964+/-0.176 χ^2/NDF:4182.2/32

All: 40.508+/-0.123 χ^2/NDF: 7783.9/61



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.249+/-0.009 χ^2/NDF:217.5/13

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.193+/-0.009 χ^2/NDF:288.4/12

Left: 0.221+/-0.006 χ^2/NDF: 526.3/26

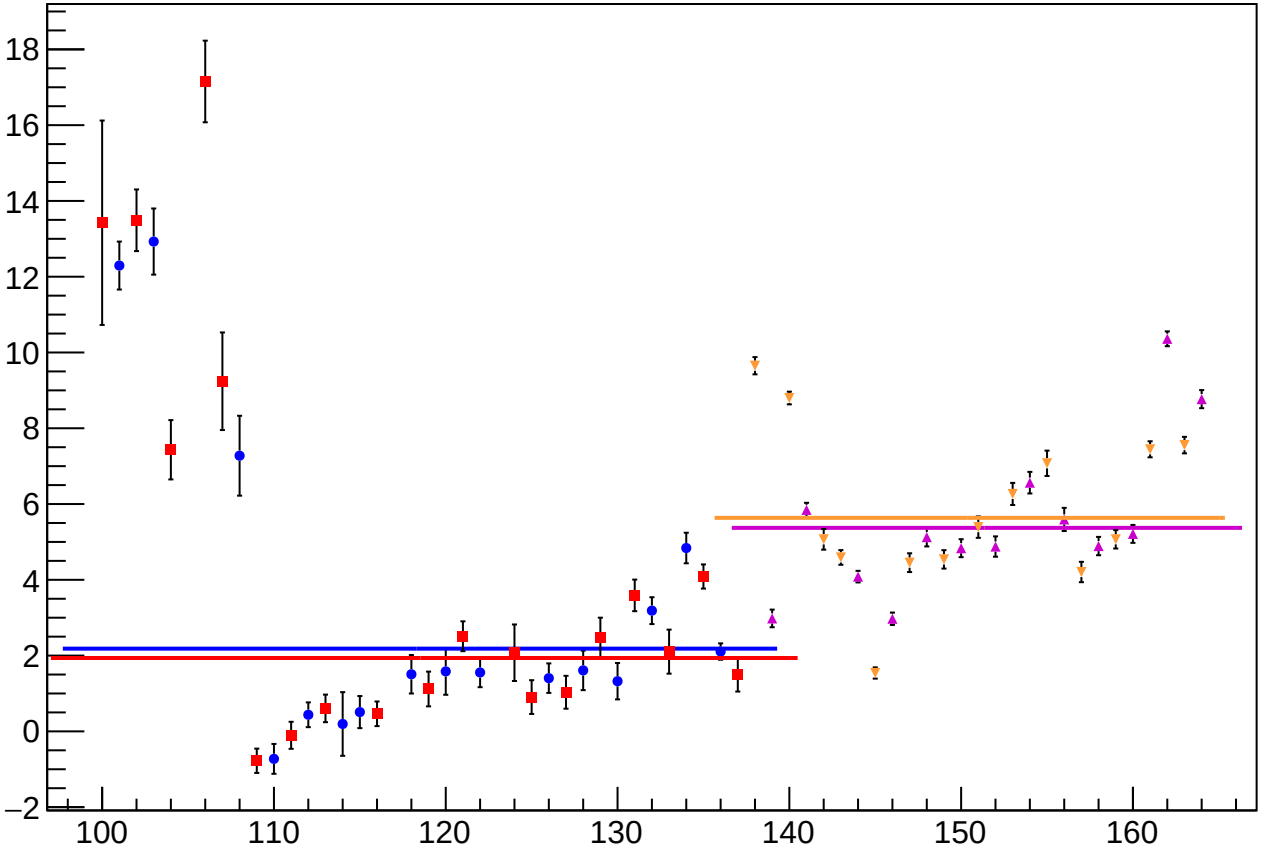
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.159+/-0.008 χ^2/NDF:1051.3/28

Out: 0.197+/-0.008 χ^2/NDF:1386.7/32

All: 0.177+/-0.006 χ^2/NDF: 2448.7/61

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: 5.636+/-0.060 χ^2/NDF:1710.4/13

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 5.371+/-0.060 χ^2/NDF:1283.6/12

Left: 5.504+/-0.042 χ^2/NDF: 3003.7/26

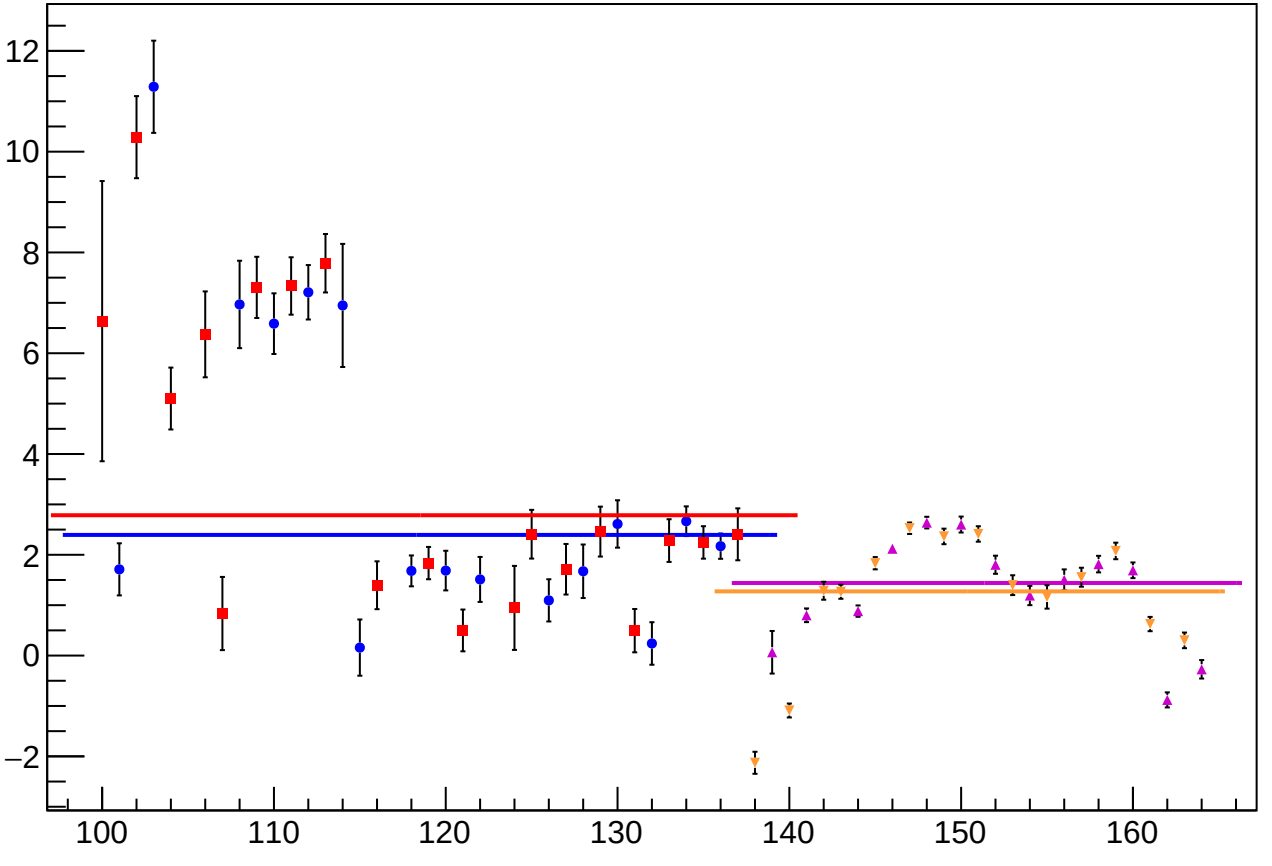
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 4.586+/-0.052 χ^2/NDF:2577.6/28

Out: 4.738+/-0.052 χ^2/NDF:3359.1/32

All: 4.662+/-0.037 χ^2/NDF: 5941.0/61

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: 1.274+/-0.041 χ^2/NDF:869.0/13

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.441+/-0.041 χ^2/NDF:611.7/12

Left: 1.358+/-0.029 χ^2/NDF: 1488.9/26

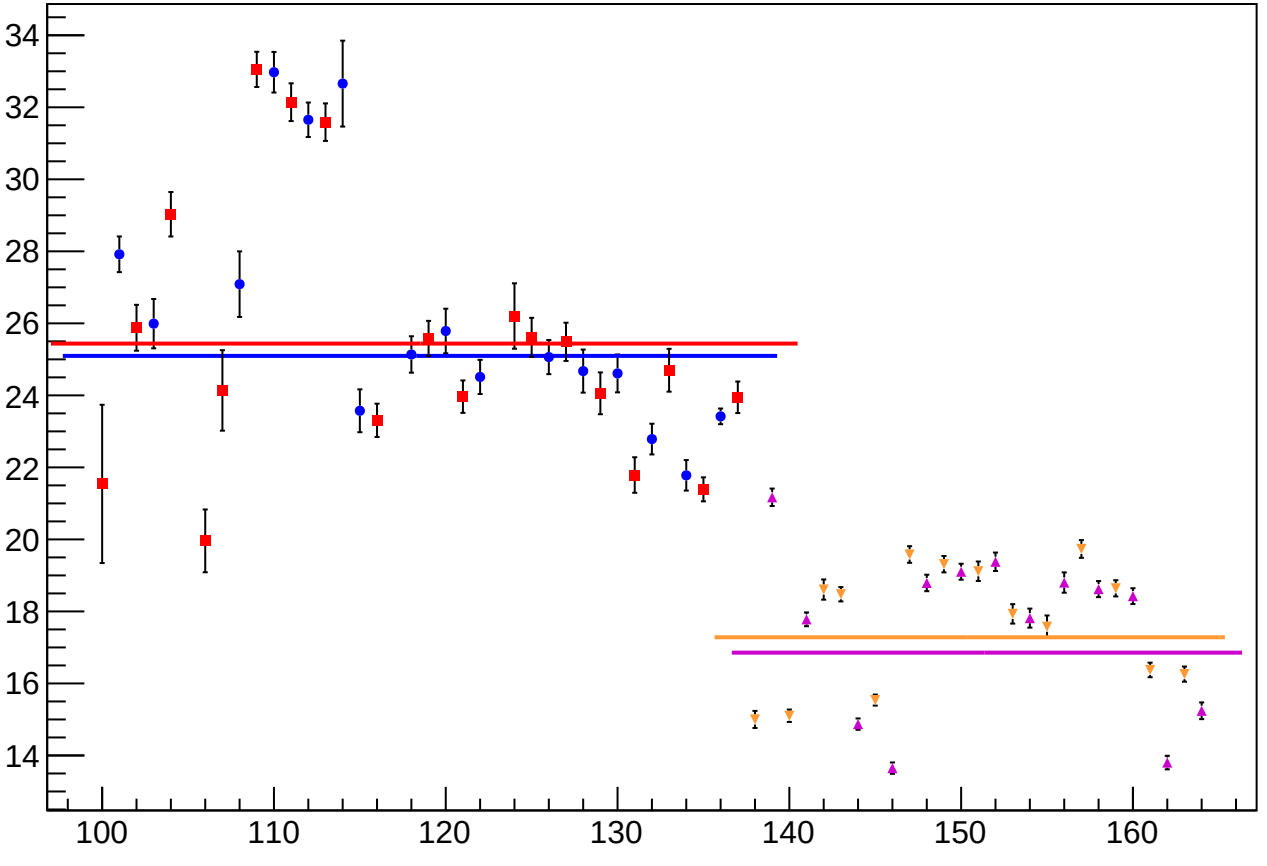
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.559+/-0.038 χ^2/NDF:1013.5/28

Out: 1.444+/-0.039 χ^2/NDF:1430.7/32

All: 1.503+/-0.027 χ^2/NDF: 2448.6/61

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: 17.282+/-0.059 χ^2/NDF:850.9/13

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 16.855+/-0.058 χ^2/NDF:1673.3/12

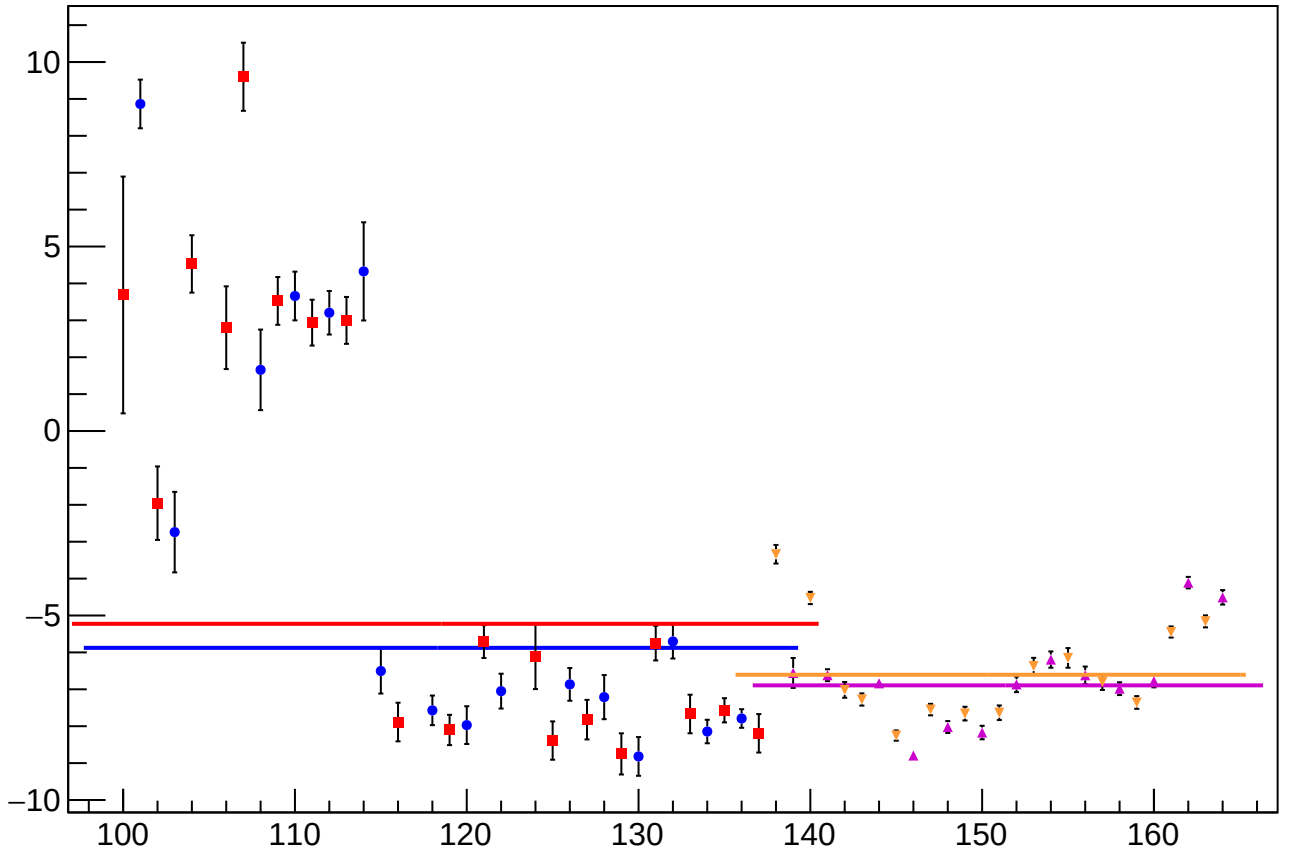
Left: 17.067+/-0.041 χ^2/NDF: 2550.8/26

Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 18.482+/-0.052 χ^2/NDF:6241.8/28

Out: 18.771+/-0.053 χ^2/NDF:5263.8/32

All: 18.624+/-0.037 χ^2/NDF: 11520.7/61



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.606+/-0.048 χ^2/NDF:740.0/13

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.893+/-0.048 χ^2/NDF:833.9/12

Left: -6.751+/-0.034 χ^2/NDF: 1591.7/26

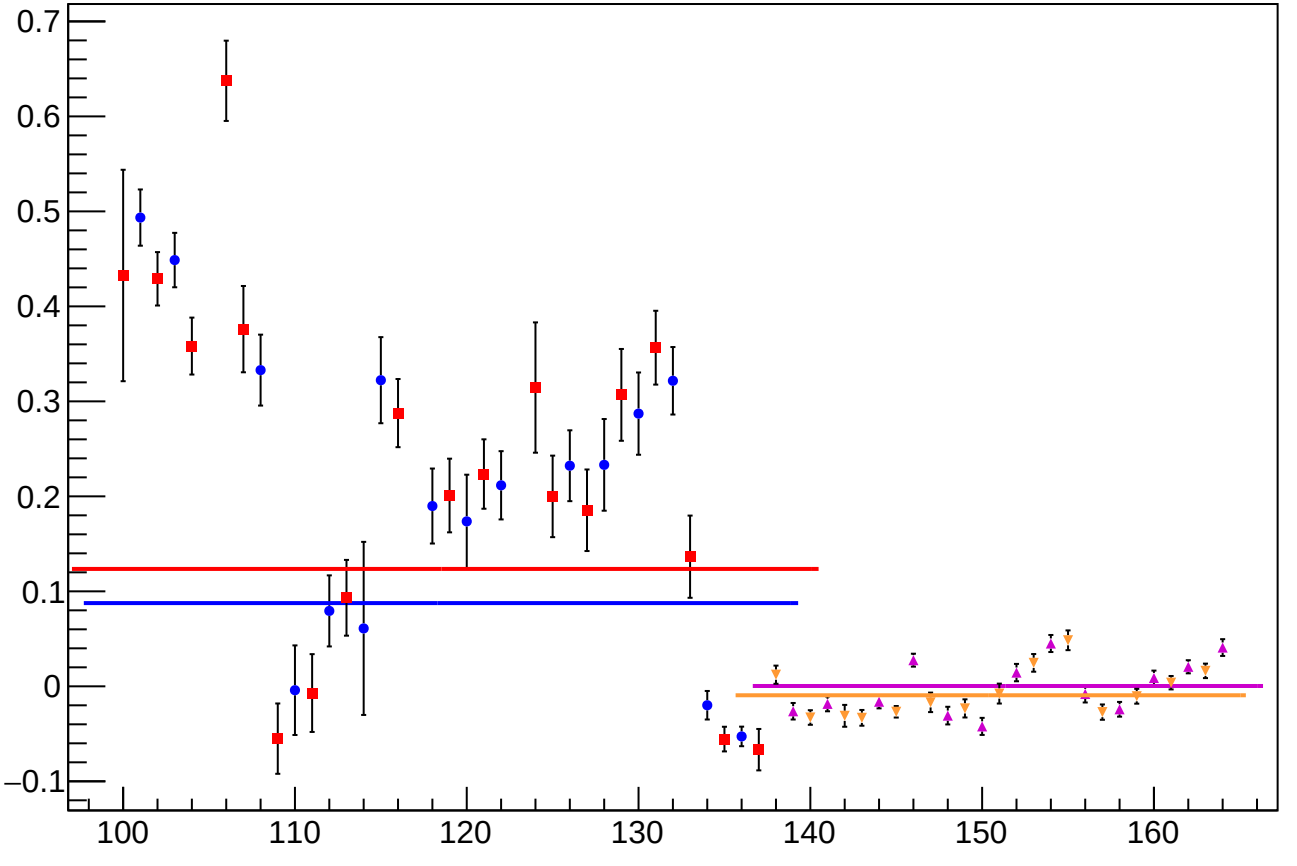
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.755+/-0.045 χ^2/NDF:2146.6/28

Out: -6.437+/-0.045 χ^2/NDF:2131.9/32

All: -6.598+/-0.032 χ^2/NDF: 4303.6/61

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.009+/-0.002 χ^2/NDF:101.2/13

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.000+/-0.002 χ^2/NDF:139.1/12

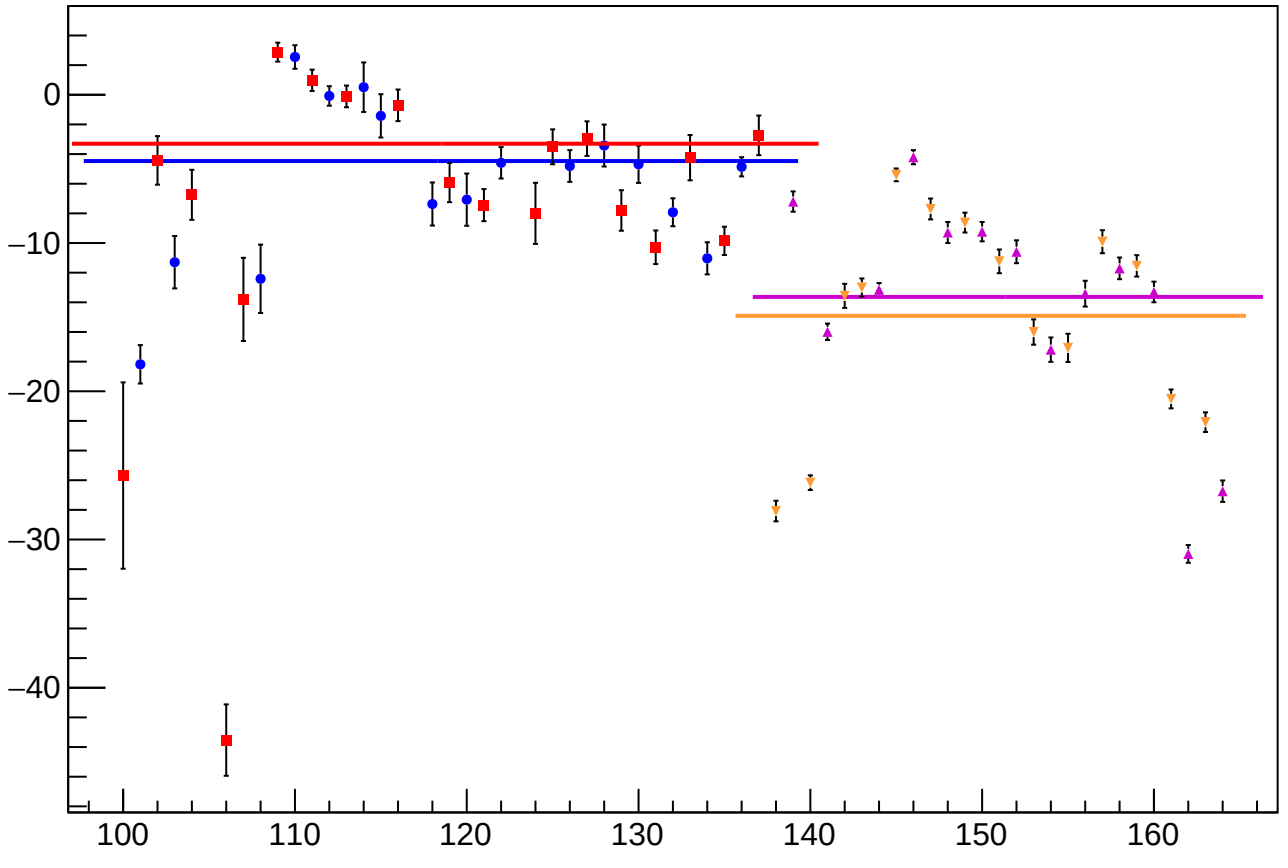
Left: -0.005+/-0.002 χ^2/NDF: 249.7/26

Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

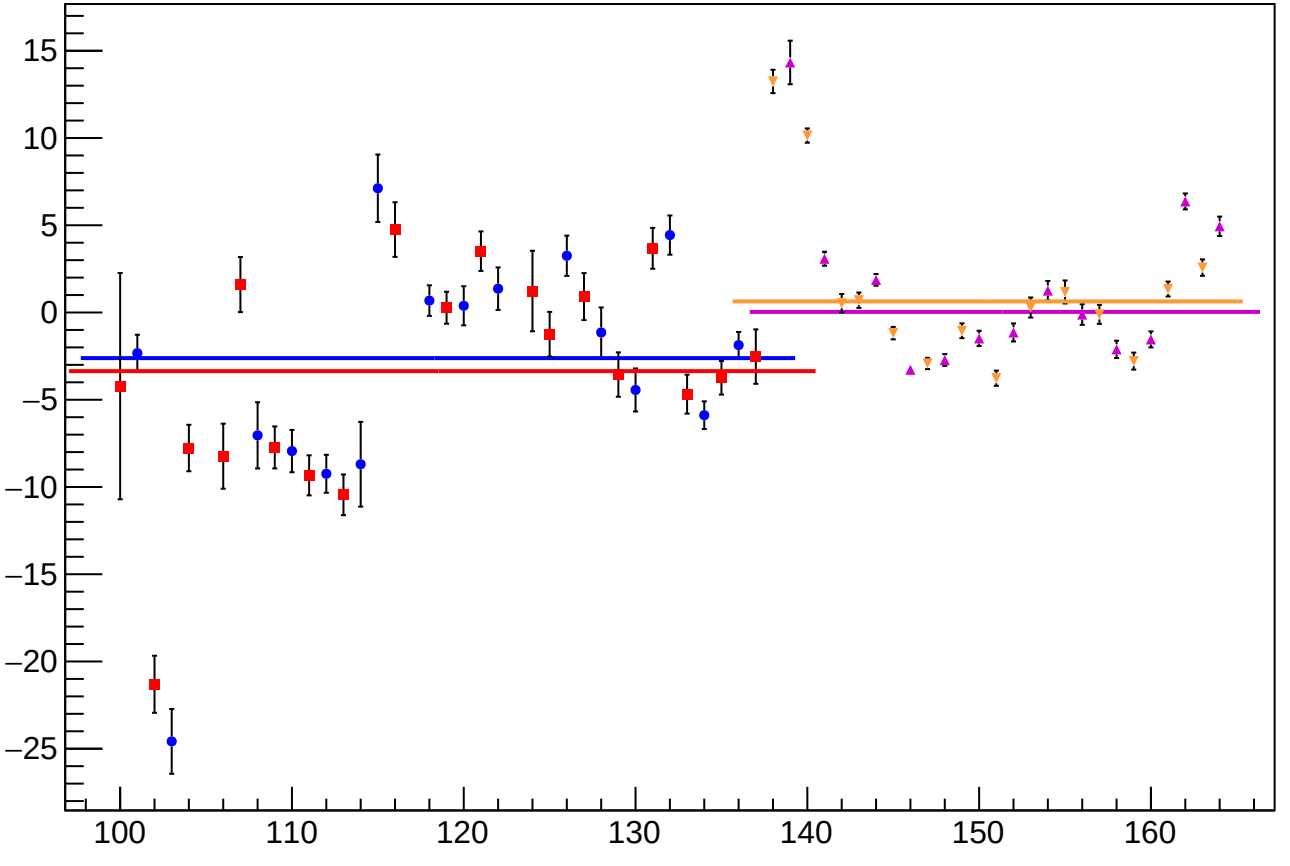
In: 0.009+/-0.002 χ^2/NDF:1064.2/28

Out: 0.002+/-0.002 χ^2/NDF:1164.2/32

All: 0.006+/-0.002 χ^2/NDF: 2234.3/61


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
100
110
120
130
140
150
160
Right In: -4.471+/-0.268 χ²/NDF: 331.8/15
Left Out: -14.909+/-0.176 χ²/NDF:1848.3/13
Right Out: -3.302+/-0.261 χ²/NDF: 584.6/18
Left In: -13.638+/-0.176 χ²/NDF:1789.0/12
Left: -14.275+/-0.125 χ²/NDF: 3663.3/26
Right: -3.869+/-0.187 χ²/NDF: 926.1/34
In: -10.872+/-0.147 χ²/NDF:2935.1/28
Out: -11.277+/-0.146 χ²/NDF:3793.7/32
All: -11.077+/-0.104 χ²/NDF: 6732.6/61

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.638+/-0.121 χ^2/NDF:1229.7/13

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 0.035+/-0.120 χ^2/NDF:745.2/12

Left: 0.334+/-0.085 χ^2/NDF: 1987.4/26

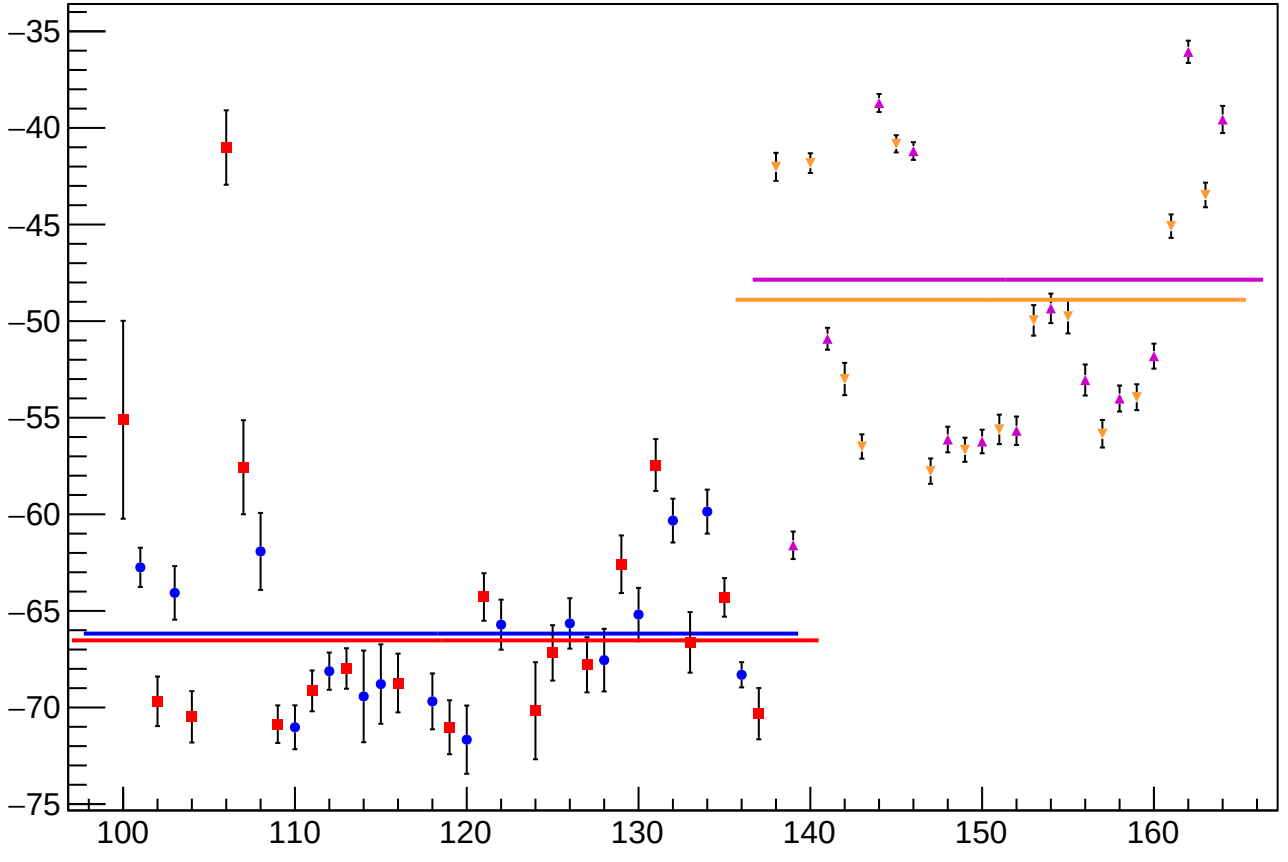
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -0.365+/-0.111 χ^2/NDF:1170.2/28

Out: 0.072+/-0.112 χ^2/NDF:1743.0/32

All: -0.149+/-0.079 χ^2/NDF: 2920.8/61

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: -48.896+/-0.173 χ^2/NDF:1461.5/13

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -47.855+/-0.171 χ^2/NDF:2175.9/12

Left: -48.372+/-0.122 χ^2/NDF: 3655.7/26

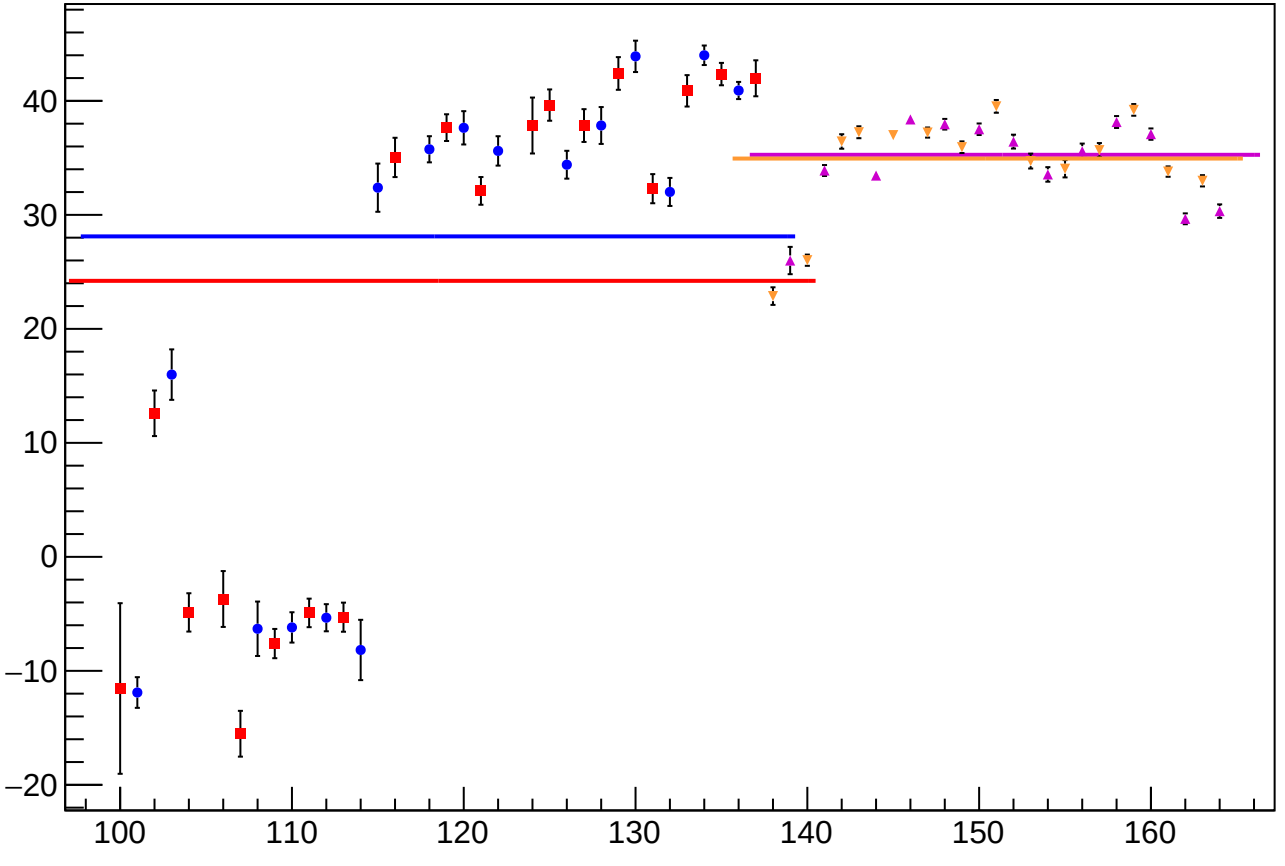
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -52.260+/-0.149 χ^2/NDF:5057.9/28

Out: -53.015+/-0.151 χ^2/NDF:4222.8/32

All: -52.633+/-0.106 χ^2/NDF: 9293.3/61

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: 34.940+/-0.142 χ^2/NDF:813.7/13

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.269+/-0.141 χ^2/NDF:482.2/12

Left: 35.106+/-0.100 χ^2/NDF: 1298.5/26

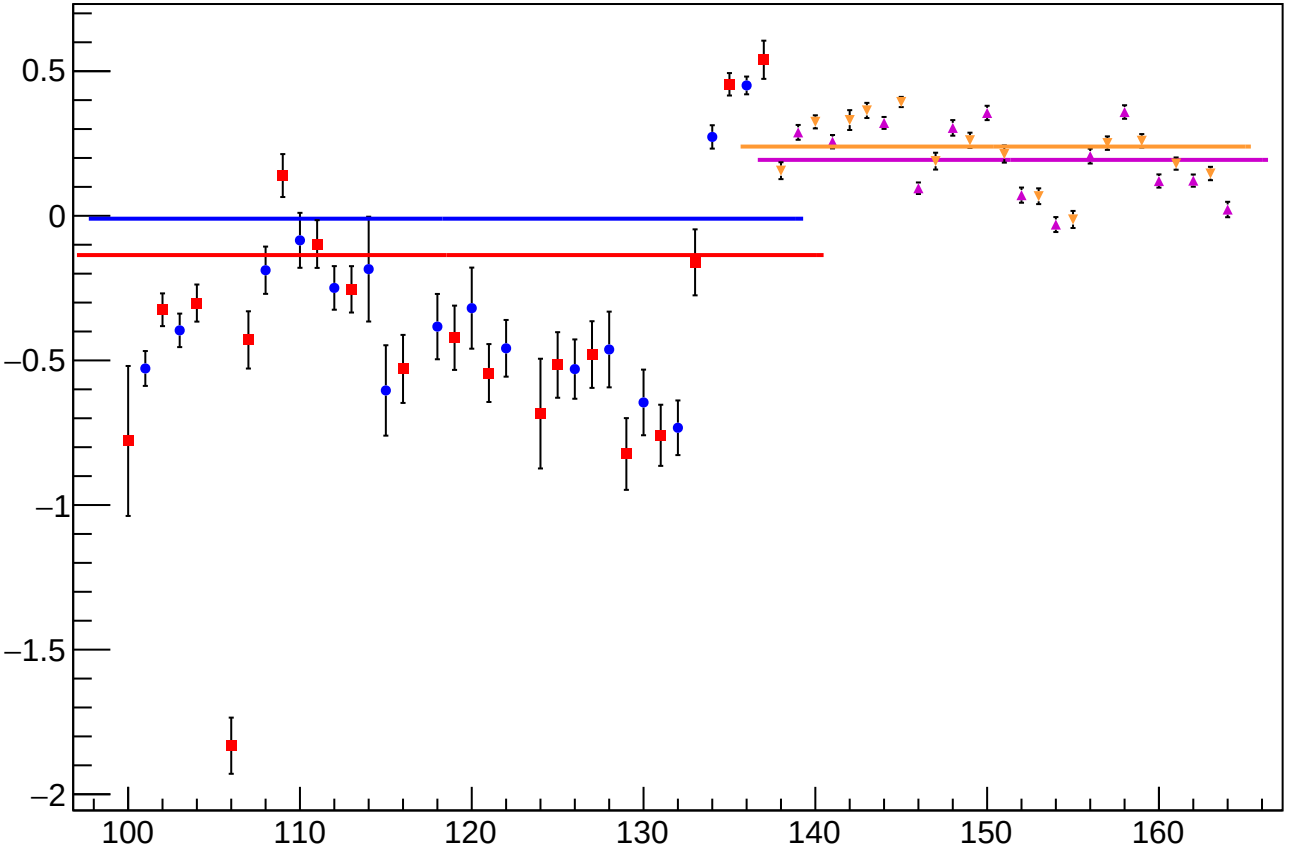
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 34.105+/-0.129 χ^2/NDF:4628.8/28

Out: 33.305+/-0.131 χ^2/NDF:5521.5/32

All: 33.711+/-0.092 χ^2/NDF: 10169.2/61

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: 0.239+/-0.007 χ^2/NDF:270.6/13

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.193+/-0.007 χ^2/NDF:352.4/12

Left: 0.216+/-0.005 χ^2/NDF: 647.3/26

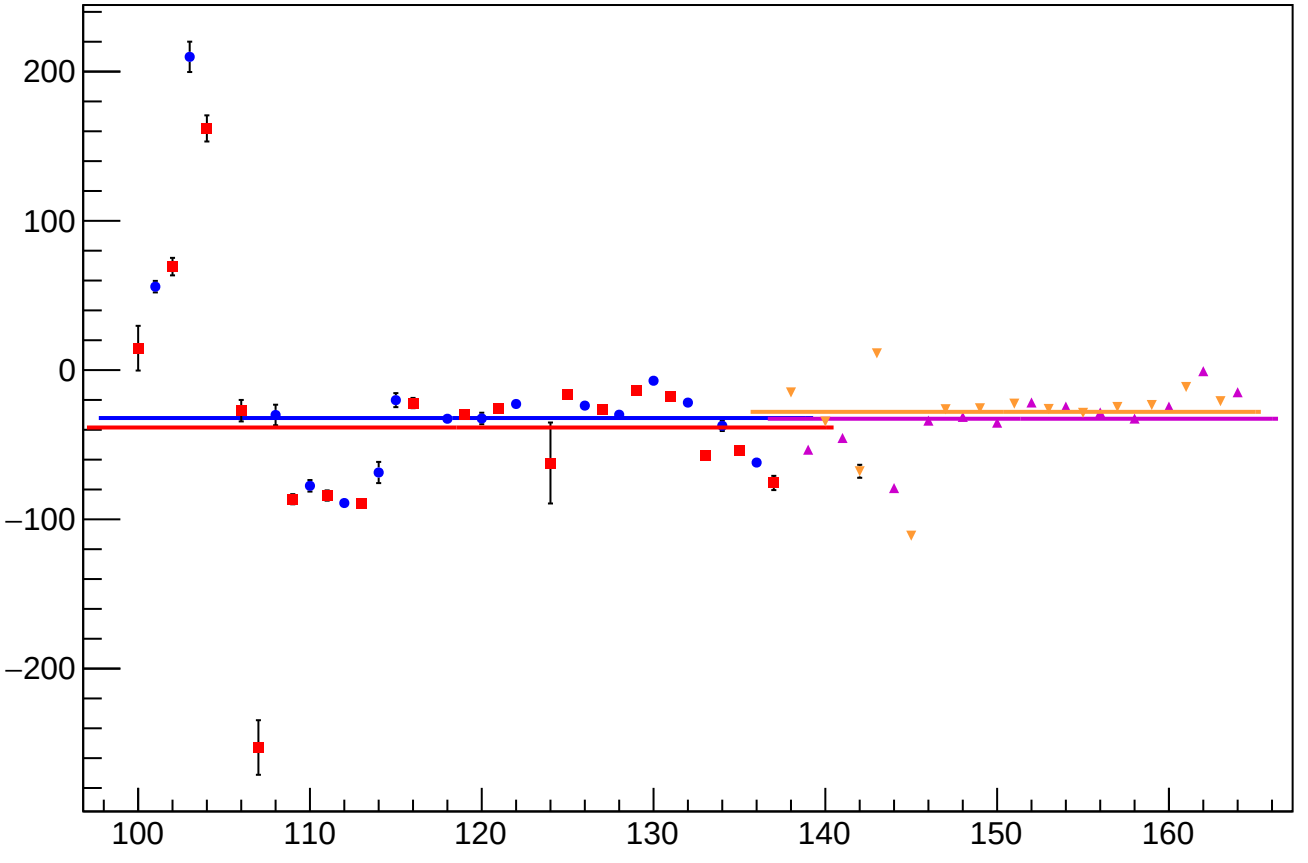
Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.168+/-0.006 χ^2/NDF:1060.2/28

Out: 0.198+/-0.006 χ^2/NDF:1442.2/32

All: 0.183+/-0.004 χ^2/NDF: 2514.2/61

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -27.975+/-0.781 χ^2/NDF:978.8/13

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -32.601+/-0.785 χ^2/NDF:554.0/12

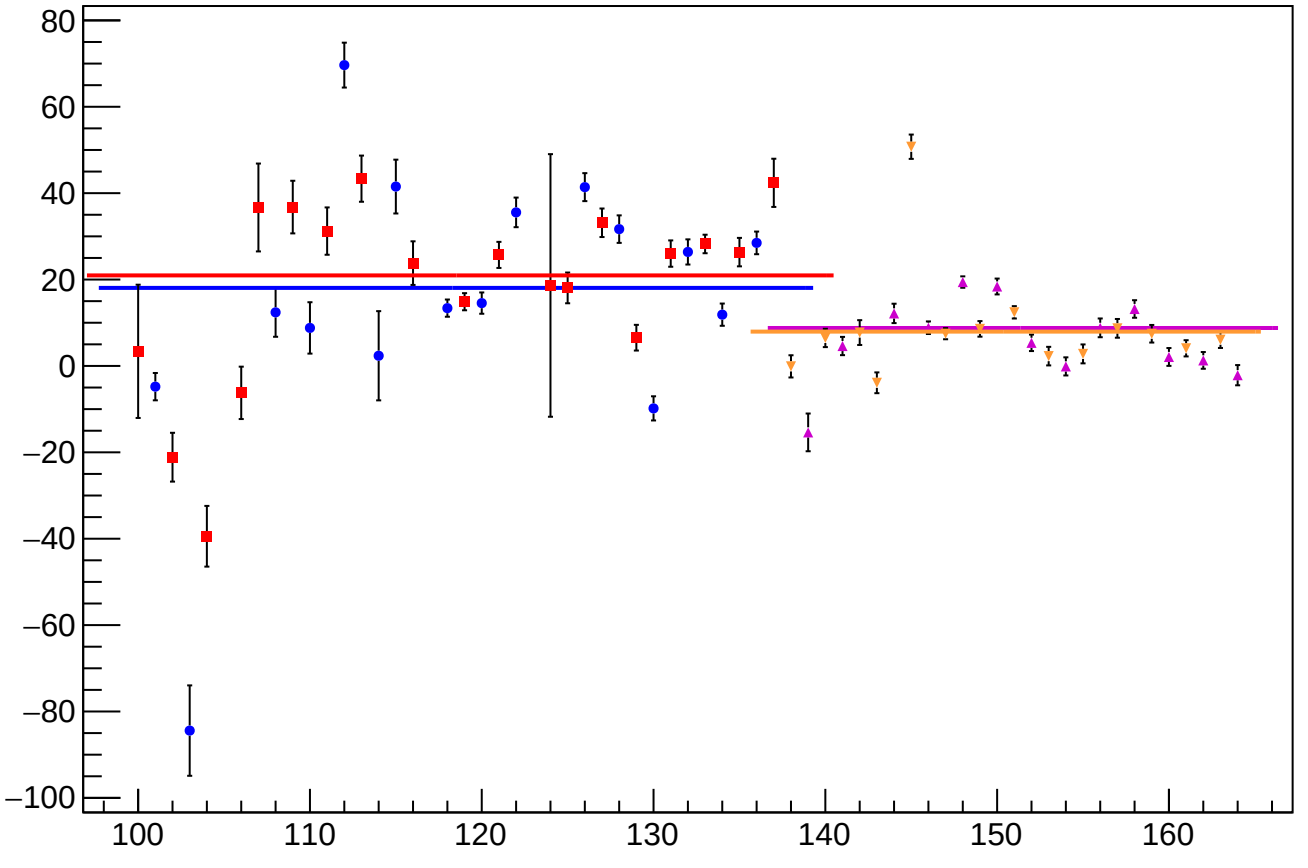
Left: -30.276+/-0.554 χ^2/NDF: 1550.2/26

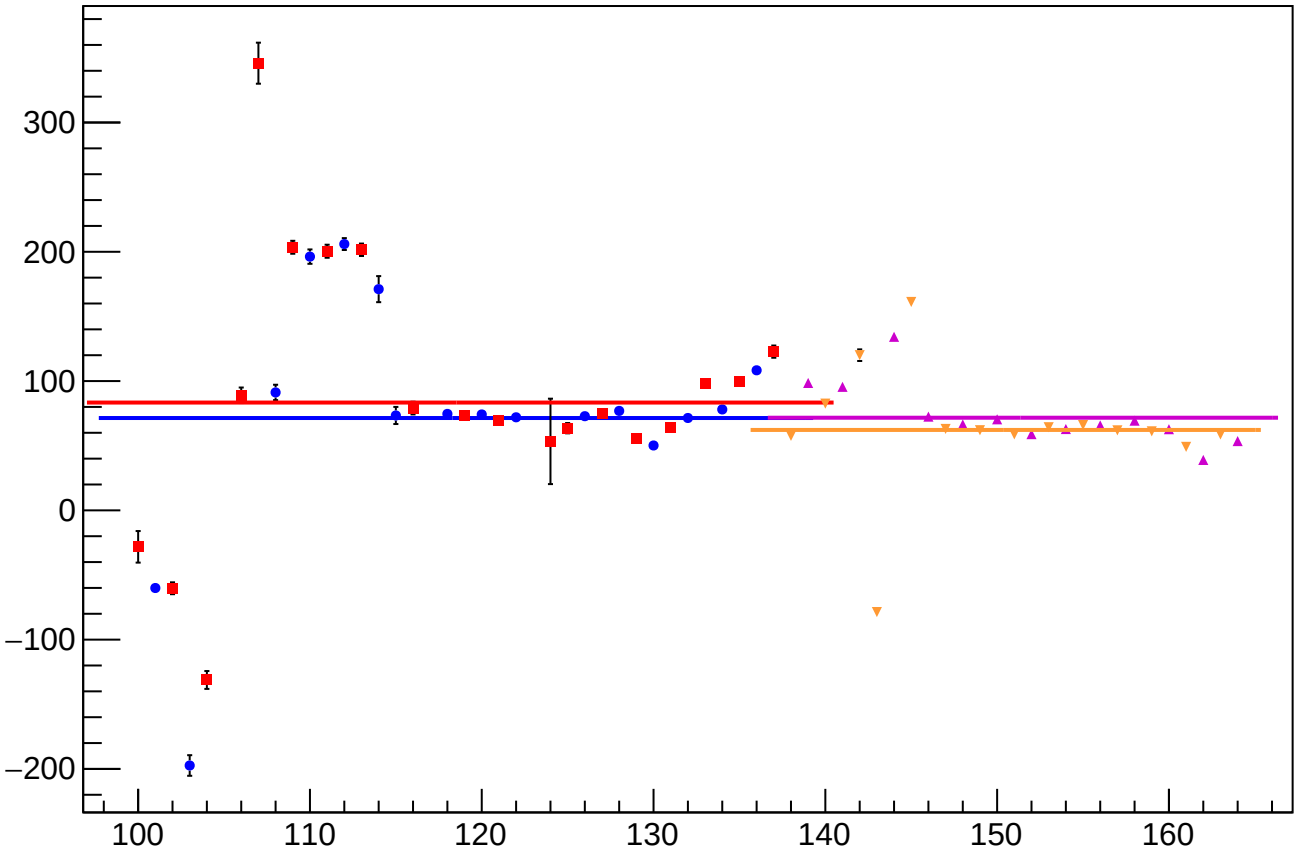
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -32.376+/-0.575 χ^2/NDF:2431.7/28

Out: -32.691+/-0.580 χ^2/NDF:3032.3/32

All: -32.532+/-0.408 χ^2/NDF: 5464.1/61


reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
Right In: 18.068+/-0.823 χ²/NDF: 499.6/15
Left Out: 7.947+/-0.525 χ²/NDF:293.5/13
Right Out: 20.959+/-0.868 χ²/NDF: 262.6/18
Left In: 8.785+/-0.538 χ²/NDF:202.4/12
Left: 8.356+/-0.376 χ²/NDF: 497.1/26
Right: 19.435+/-0.597 χ²/NDF: 768.0/34
In: 11.565+/-0.450 χ²/NDF:791.1/28
Out: 11.431+/-0.449 χ²/NDF:720.5/32
All: 11.498+/-0.318 χ²/NDF: 1511.7/61



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 62.198+/-0.756 χ^2/NDF:2908.1/13

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 71.652+/-0.756 χ^2/NDF:849.3/12

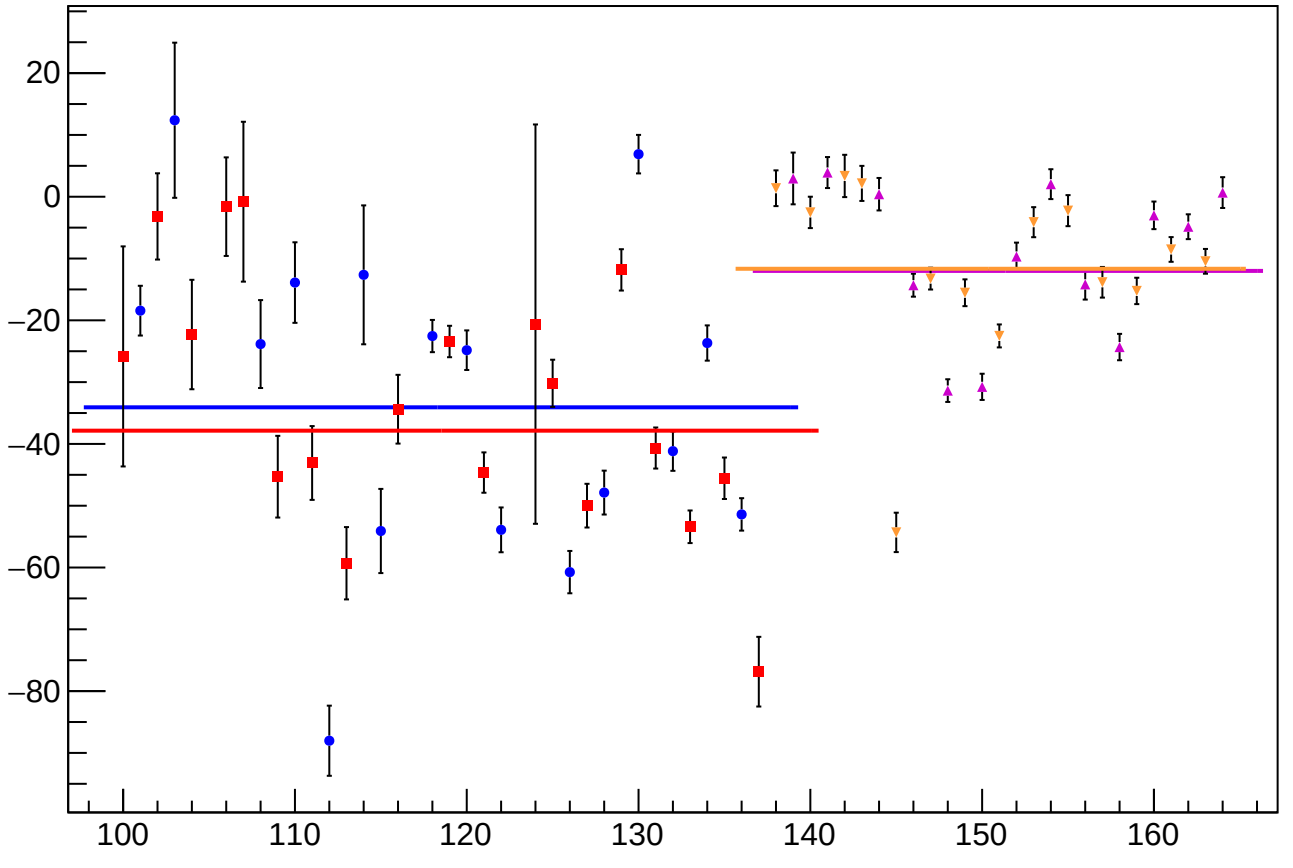
Left: 66.924+/-0.535 χ^2/NDF: 3835.5/26

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 71.560+/-0.587 χ^2/NDF:5668.9/28

Out: 70.053+/-0.600 χ^2/NDF:7496.5/32

All: 70.823+/-0.420 χ^2/NDF: 13168.6/61



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.658+/-0.619 χ^2/NDF:323.6/13

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -12.002+/-0.628 χ^2/NDF:390.2/12

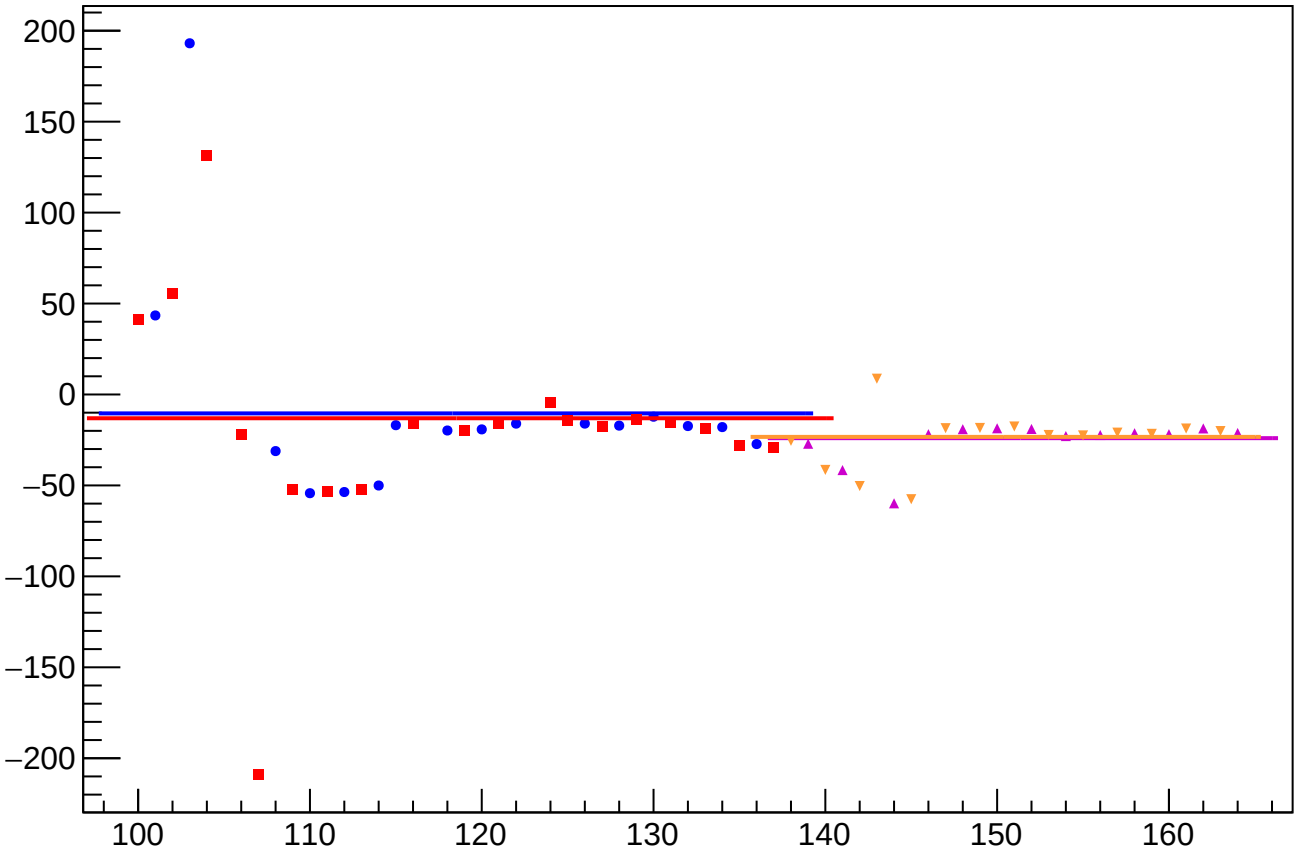
Left: -11.827+/-0.441 χ^2/NDF: 713.9/26

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -18.798+/-0.523 χ^2/NDF:1281.3/28

Out: -18.972+/-0.525 χ^2/NDF:1099.1/32

All: -18.884+/-0.370 χ^2/NDF: 2380.4/61



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -23.314+/-0.029 χ^2/NDF:181193.0/13

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -24.014+/-0.028 χ^2/NDF:101734.8/12

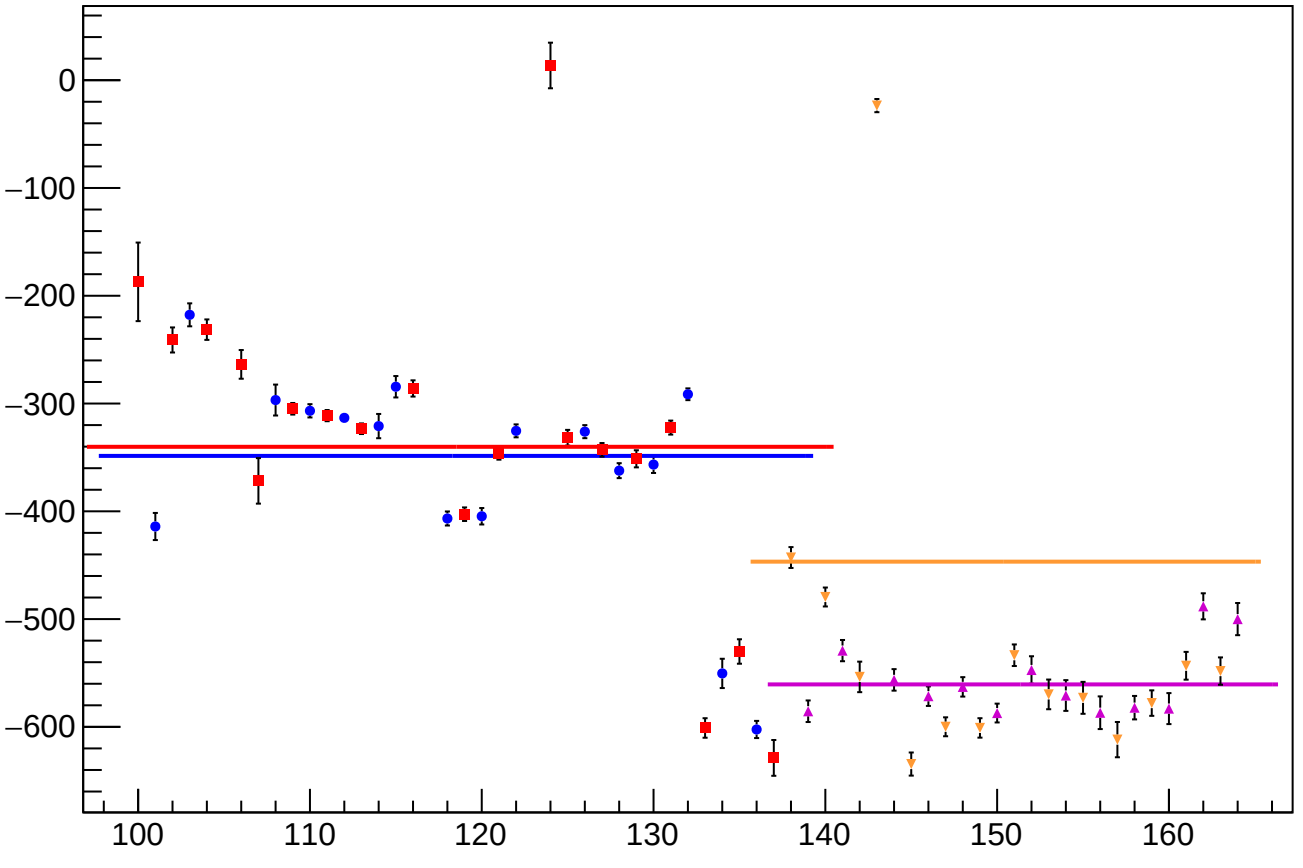
Left: -23.667+/-0.020 χ^2/NDF: 283231.0/26

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -21.309+/-0.025 χ^2/NDF:670070.3/28

Out: -21.552+/-0.026 χ^2/NDF:652945.2/32

All: -21.428+/-0.018 χ^2/NDF: 1323060.5/61



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -446.708+/-2.751 χ^2/NDF:6326.2/13

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -560.604+/-3.044 χ^2/NDF:90.6/12

Left: -497.910+/-2.041 χ^2/NDF: 7187.6/26

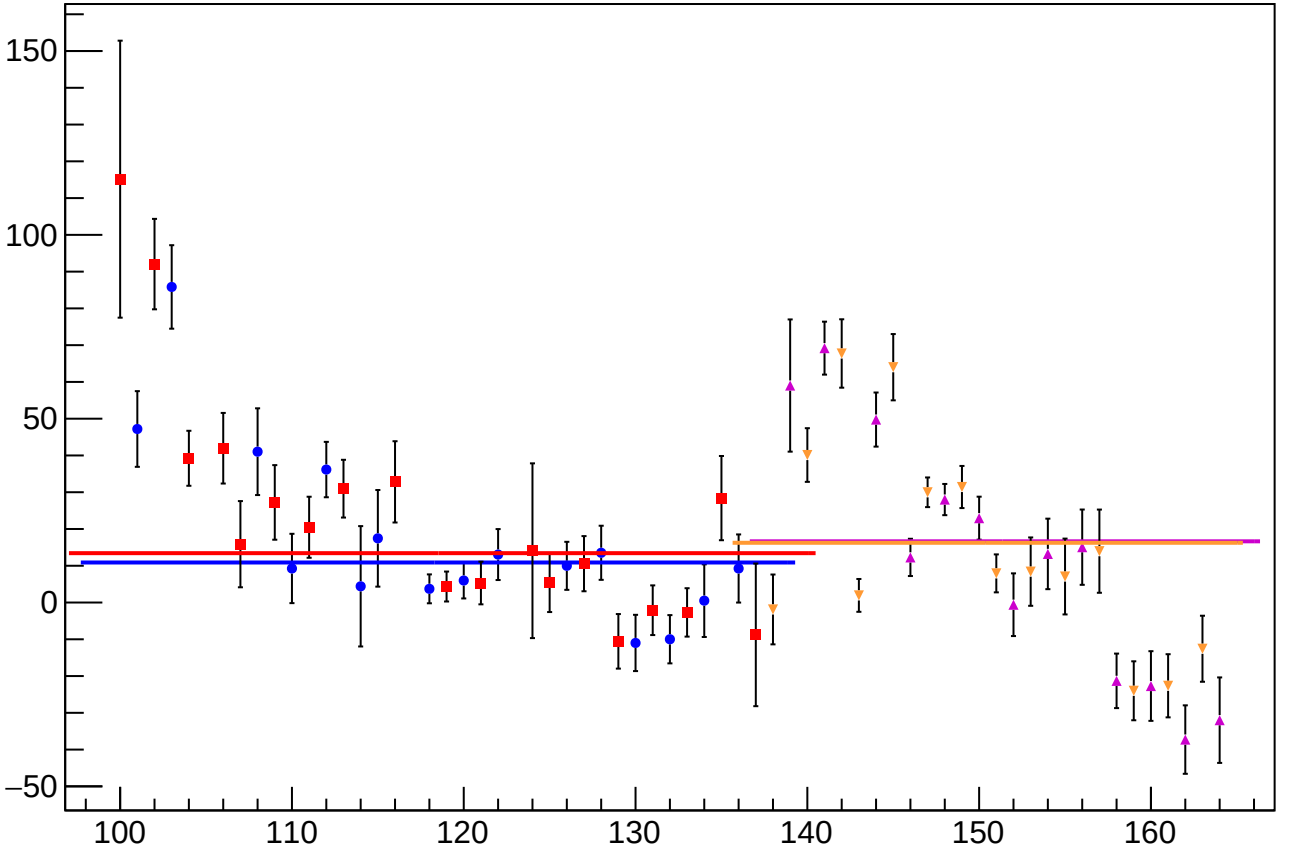
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -404.640+/-1.565 χ^2/NDF:5518.4/28

Out: -371.085+/-1.482 χ^2/NDF:9588.4/32

All: -386.951+/-1.076 χ^2/NDF: 15349.2/61

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 16.250+/-1.815 χ^2/NDF:162.1/13

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 16.647+/-2.012 χ^2/NDF:186.9/12

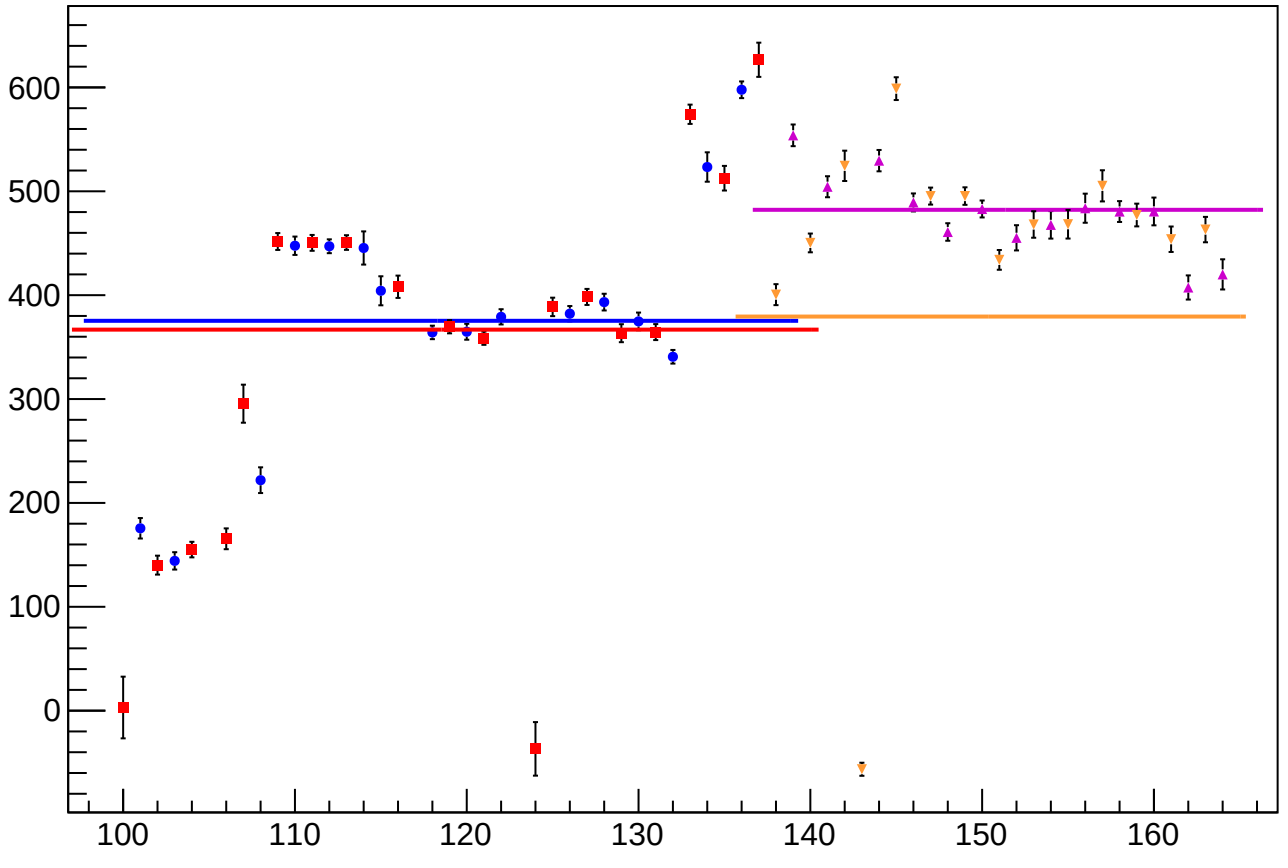
Left: 16.428+/-1.348 χ^2/NDF: 349.0/26

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 13.515+/-1.359 χ^2/NDF:289.6/28

Out: 14.869+/-1.297 χ^2/NDF:275.7/32

All: 14.224+/-0.938 χ^2/NDF: 565.8/61



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 379.411+/-2.693 χ^2/NDF:6102.9/13

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 482.179+/-2.935 χ^2/NDF:146.2/12

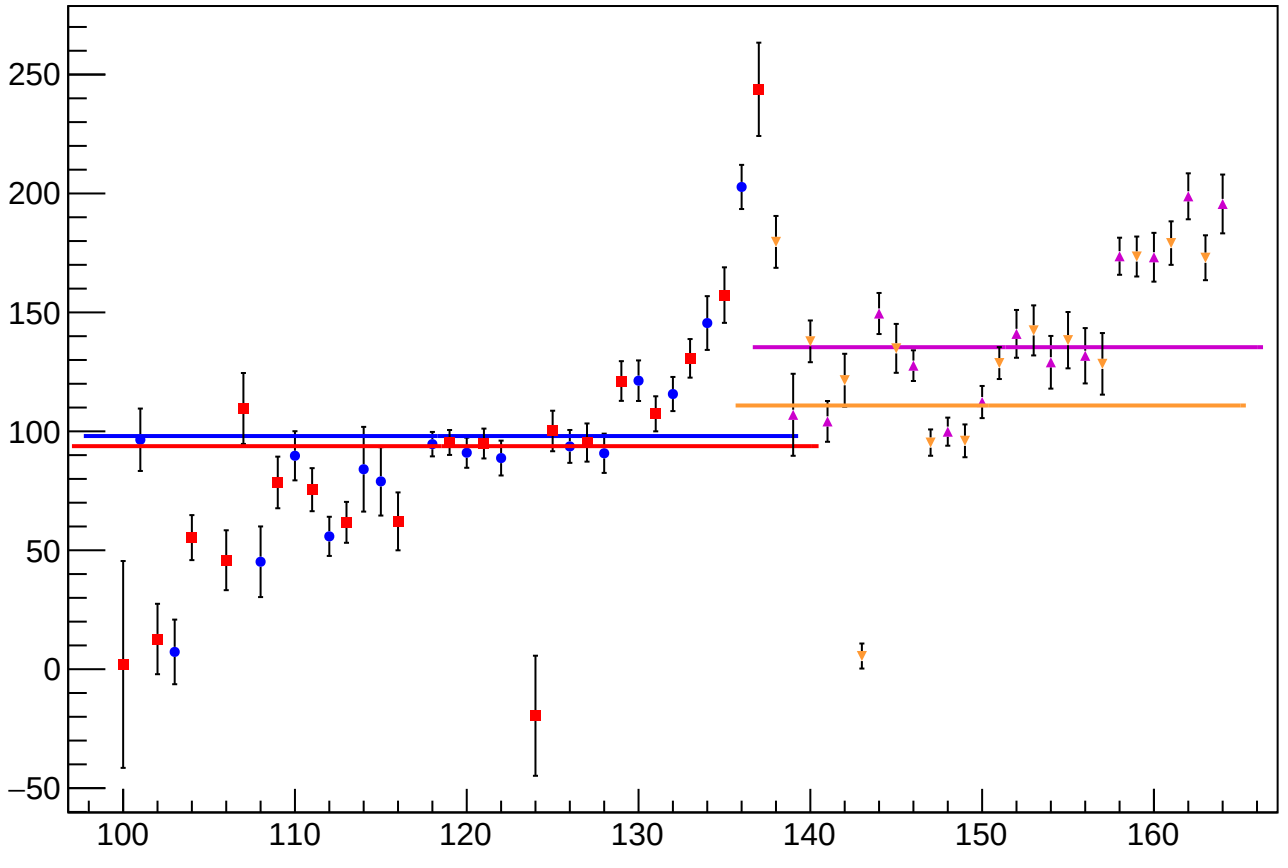
Left: 426.383+/-1.984 χ^2/NDF: 6914.7/26

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 411.567+/-1.709 χ^2/NDF:3471.6/28

Out: 371.444+/-1.631 χ^2/NDF:9657.8/32

All: 390.563+/-1.180 χ^2/NDF: 13417.8/61



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 110.869+/-2.180 χ^2/NDF:646.6/13

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 135.380+/-2.400 χ^2/NDF:173.1/12

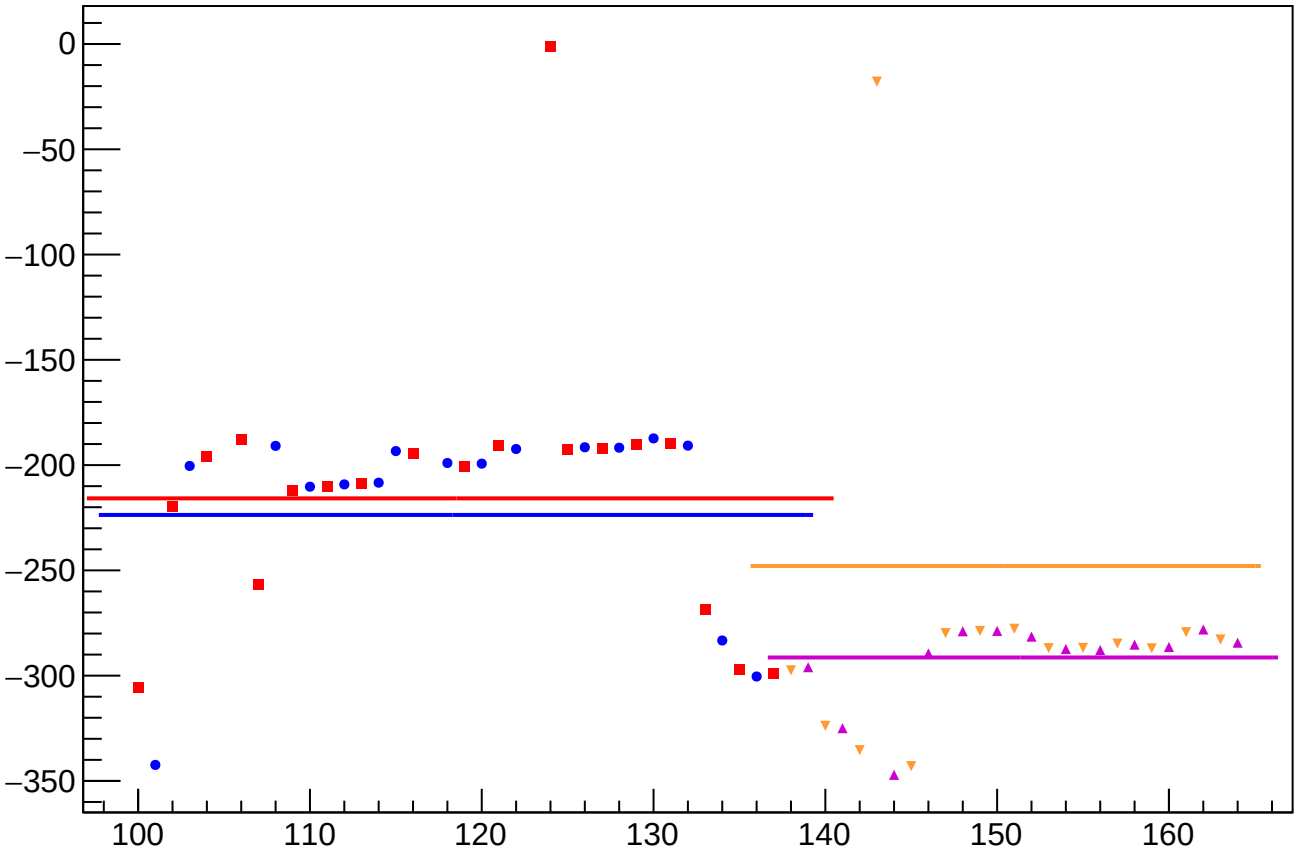
Left: 121.948+/-1.614 χ^2/NDF: 876.8/26

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 114.603+/-1.599 χ^2/NDF:557.3/28

Out: 102.156+/-1.527 χ^2/NDF:915.1/32

All: 108.091+/-1.104 χ^2/NDF: 1504.1/61



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -247.934+/-0.106 χ^2/NDF:958735.1/13

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -291.367+/-0.112 χ^2/NDF:26347.0/12

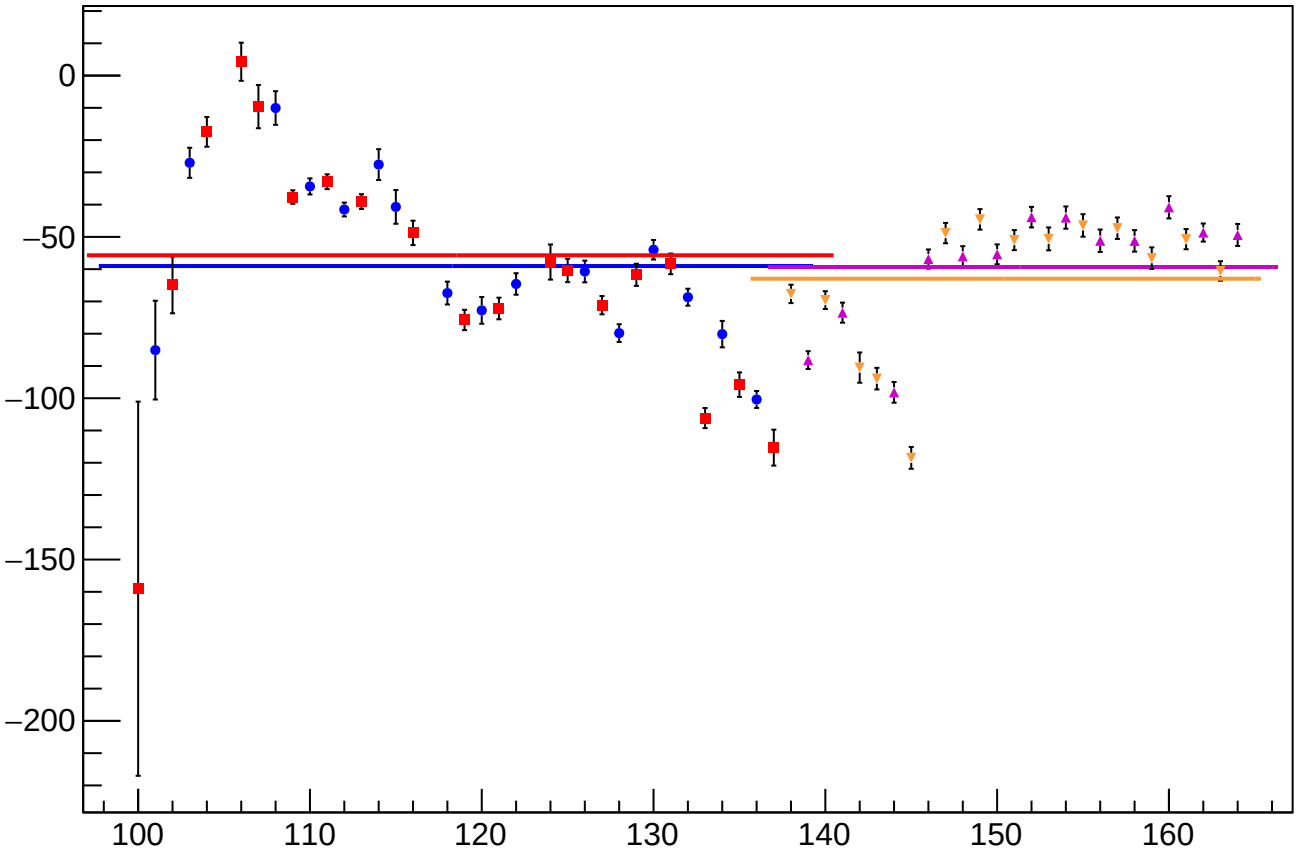
Left: -268.362+/-0.077 χ^2/NDF: 1064081.3/26

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -264.416+/-0.087 χ^2/NDF:292138.7/28

Out: -235.601+/-0.083 χ^2/NDF:1075539.3/32

All: -249.323+/-0.060 χ^2/NDF: 1424802.2/61



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -62.958+/-0.867 χ^2/NDF:541.5/13

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -59.330+/-0.876 χ^2/NDF:386.8/12

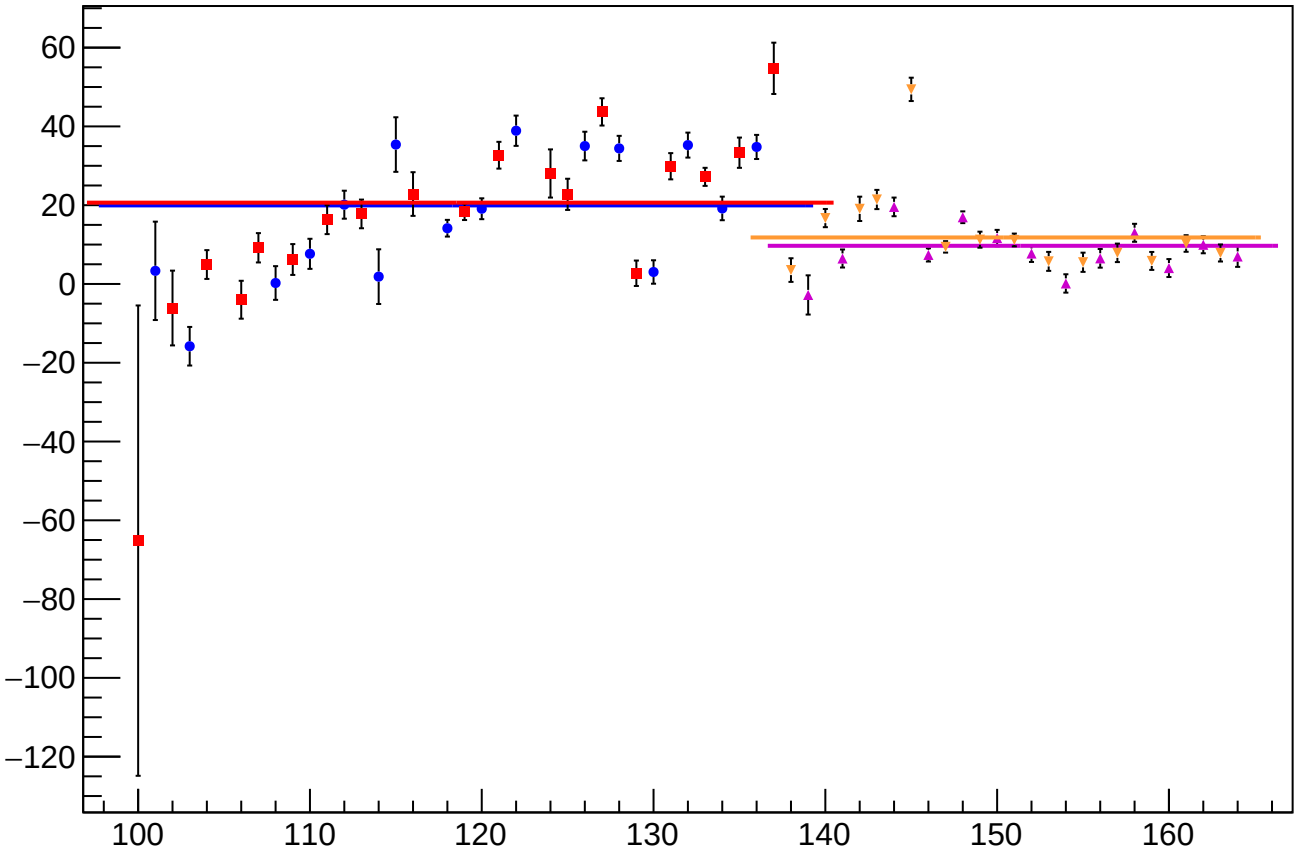
Left: -61.163+/-0.616 χ^2/NDF: 937.0/26

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -59.172+/-0.602 χ^2/NDF:1114.2/28

Out: -58.994+/-0.584 χ^2/NDF:1621.0/32

All: -59.080+/-0.419 χ^2/NDF: 2735.2/61



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 11.807+/-0.584 χ^2/NDF:223.5/13

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.690+/-0.601 χ^2/NDF:80.8/12

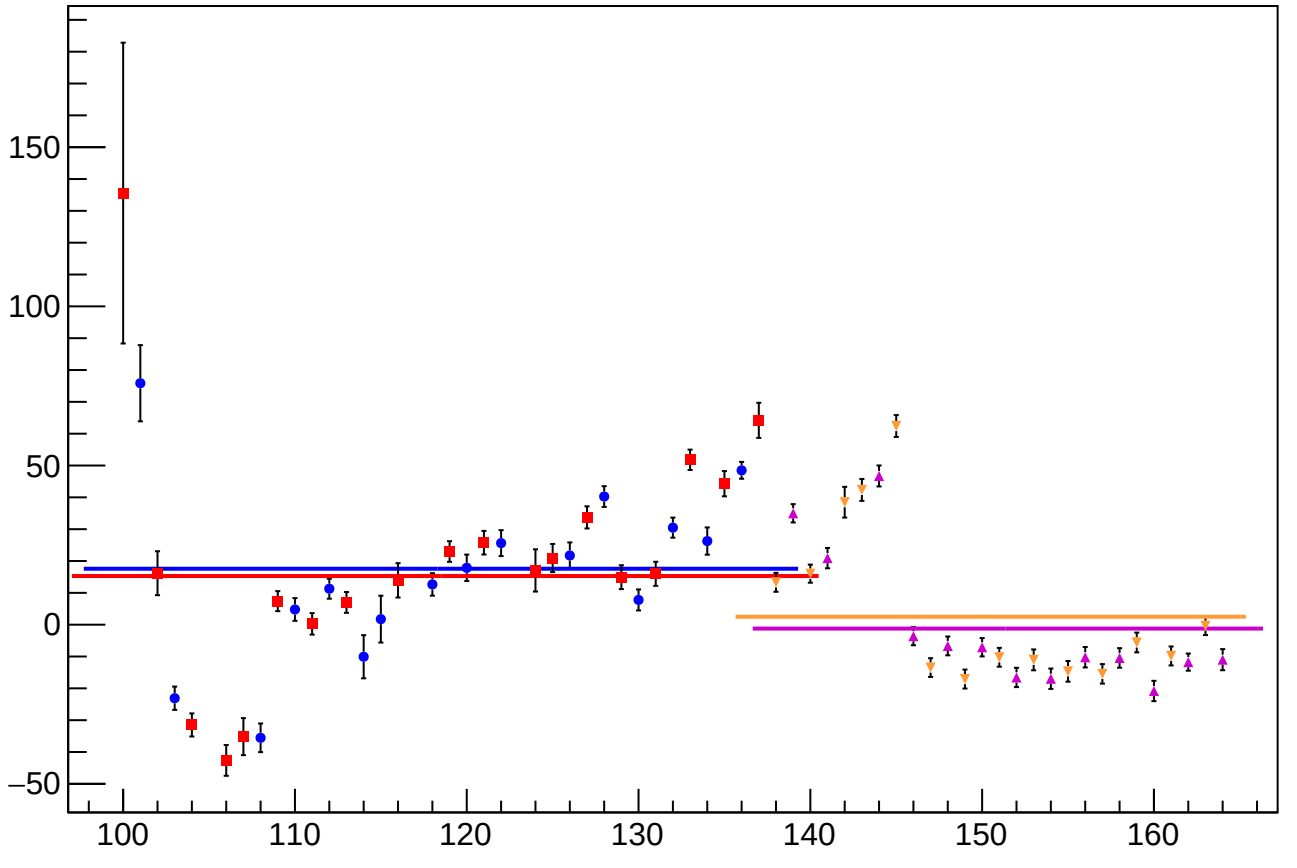
Left: 10.779+/-0.419 χ^2/NDF: 310.7/26

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 13.017+/-0.494 χ^2/NDF:422.5/28

Out: 14.668+/-0.480 χ^2/NDF:522.4/32

All: 13.866+/-0.344 χ^2/NDF: 950.6/61



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 2.506+/-0.839 χ^2/NDF:724.5/13

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: -1.225+/-0.844 χ^2/NDF:554.1/12

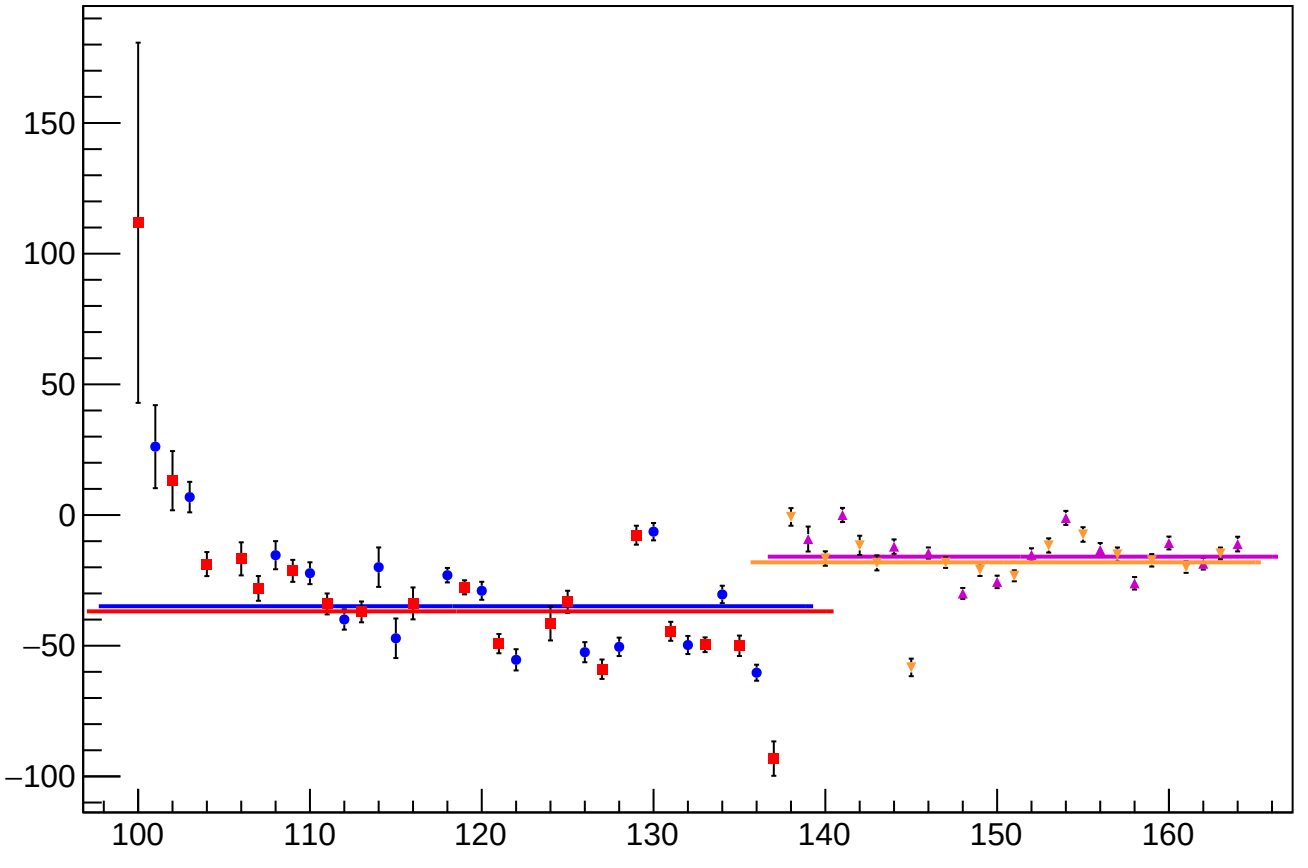
Left: 0.650+/-0.595 χ^2/NDF: 1288.4/26

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 6.999+/-0.633 χ^2/NDF:1317.5/28

Out: 8.214+/-0.624 χ^2/NDF:1558.1/32

All: 7.614+/-0.444 χ^2/NDF: 2877.5/61



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -18.084+/-0.687 χ^2/NDF:205.2/13

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -15.931+/-0.701 χ^2/NDF:159.4/12

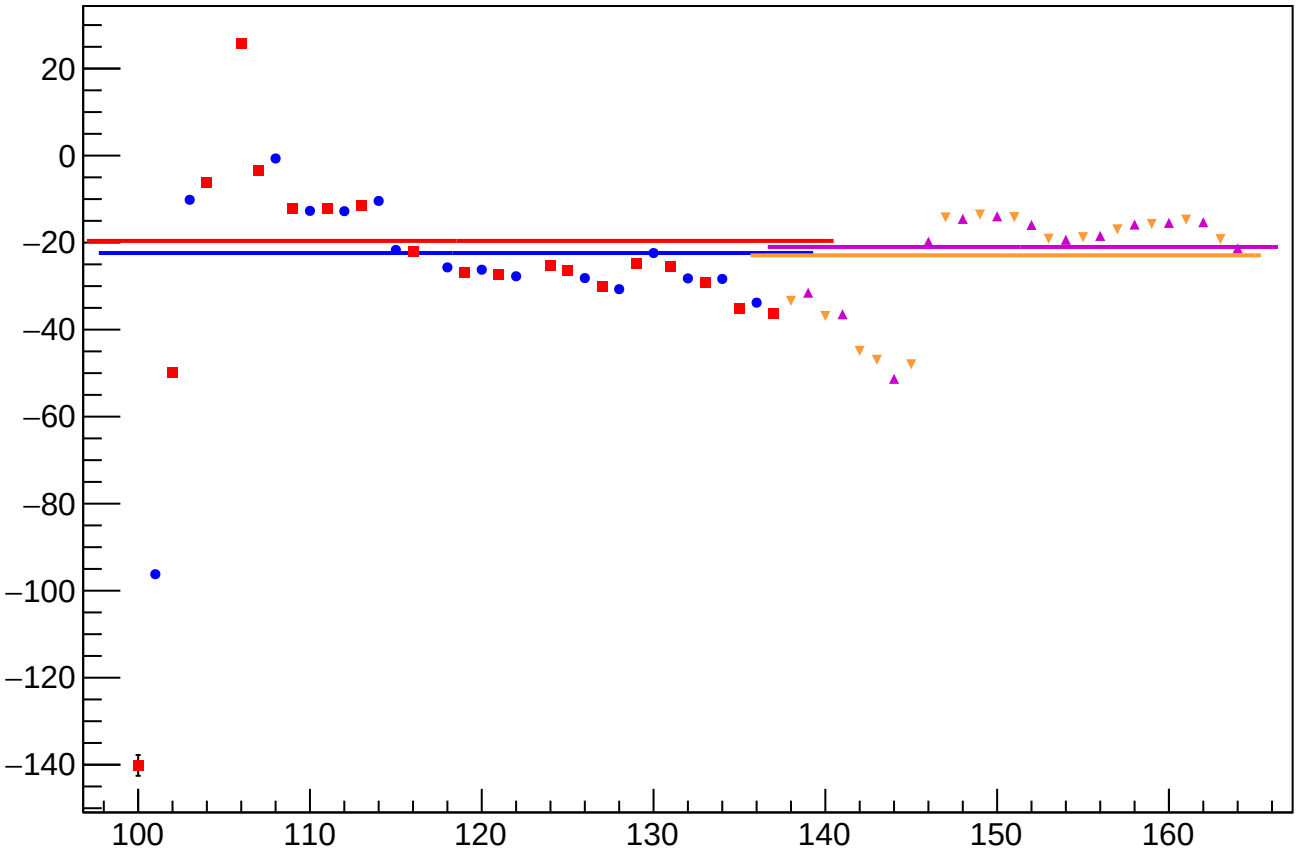
Left: -17.029+/-0.491 χ^2/NDF: 369.4/26

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -22.266+/-0.572 χ^2/NDF:750.4/28

Out: -24.362+/-0.561 χ^2/NDF:756.1/32

All: -23.335+/-0.401 χ^2/NDF: 1513.3/61



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -22.928+/-0.032 χ^2/NDF:129060.7/13

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -20.999+/-0.032 χ^2/NDF:84364.3/12

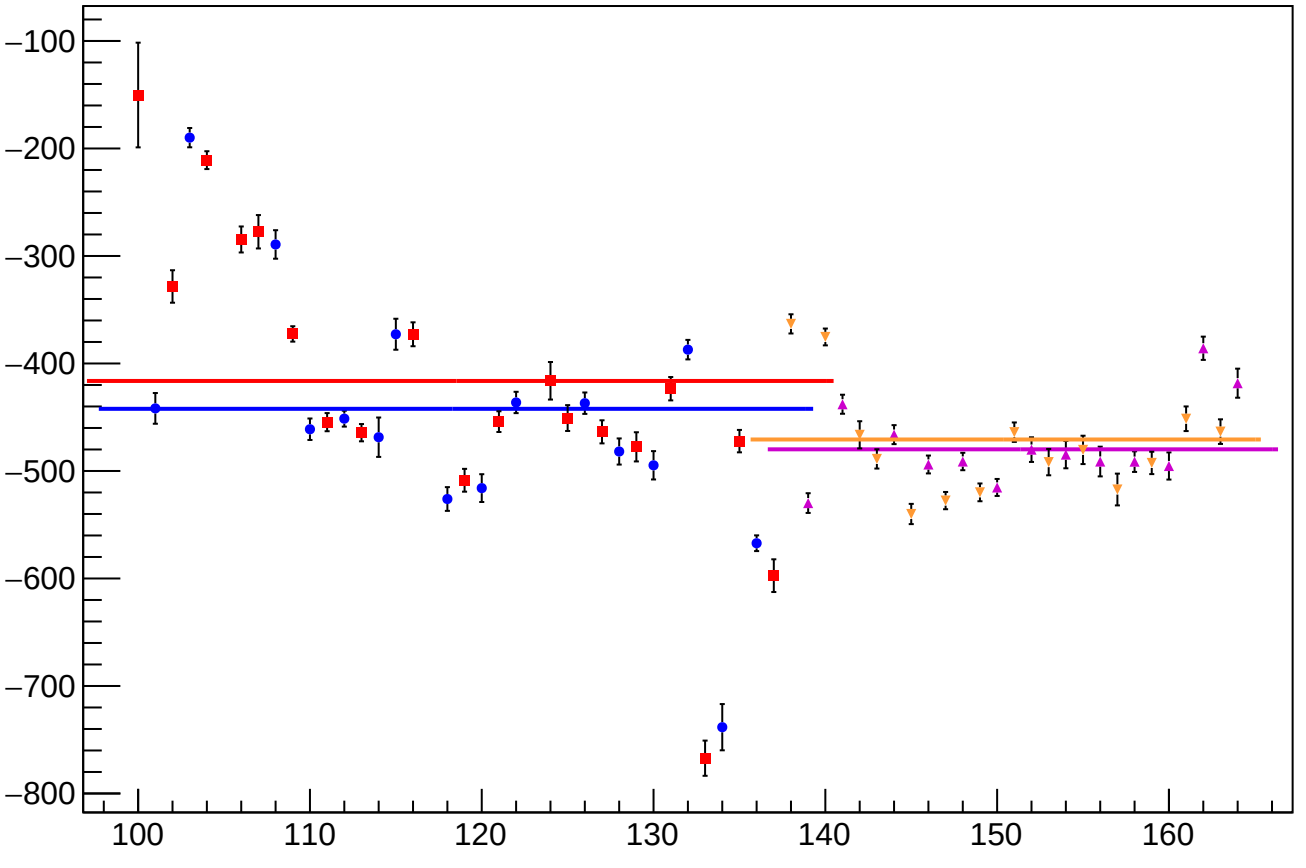
Left: -21.960+/-0.022 χ^2/NDF: 215285.6/26

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

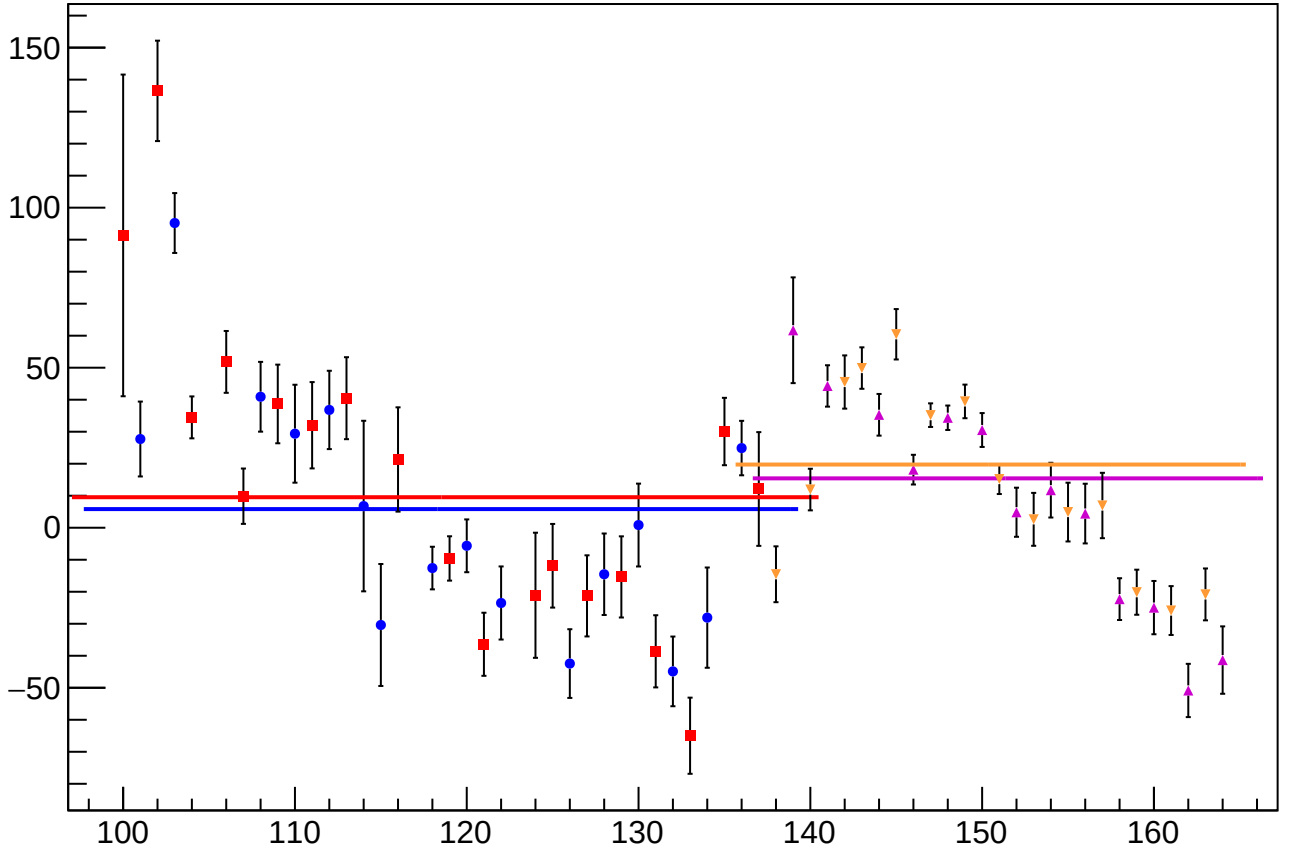
In: -21.315+/-0.028 χ^2/NDF:131326.7/28

Out: -22.193+/-0.028 χ^2/NDF:215359.5/32

All: -21.751+/-0.020 χ^2/NDF: 347182.4/61


reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
110
120
130
140
150
160
Right In: -442.182+/-2.682 χ²/NDF: 1589.1/15
Left Out: -470.708+/-2.647 χ²/NDF:459.2/13
Right Out: -416.259+/-2.523 χ²/NDF: 1753.8/18
Left In: -479.864+/-2.738 χ²/NDF:179.5/12
Left: -475.130+/-1.903 χ²/NDF: 644.5/26
Right: -428.429+/-1.837 χ²/NDF: 3392.5/34
In: -460.628+/-1.916 χ²/NDF:1865.3/28
Out: -442.173+/-1.826 χ²/NDF:2434.7/32
All: -450.958+/-1.322 χ²/NDF: 4348.6/61

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 19.745+/-1.727 χ^2/NDF:208.8/13

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 15.425+/-1.809 χ^2/NDF:223.1/12

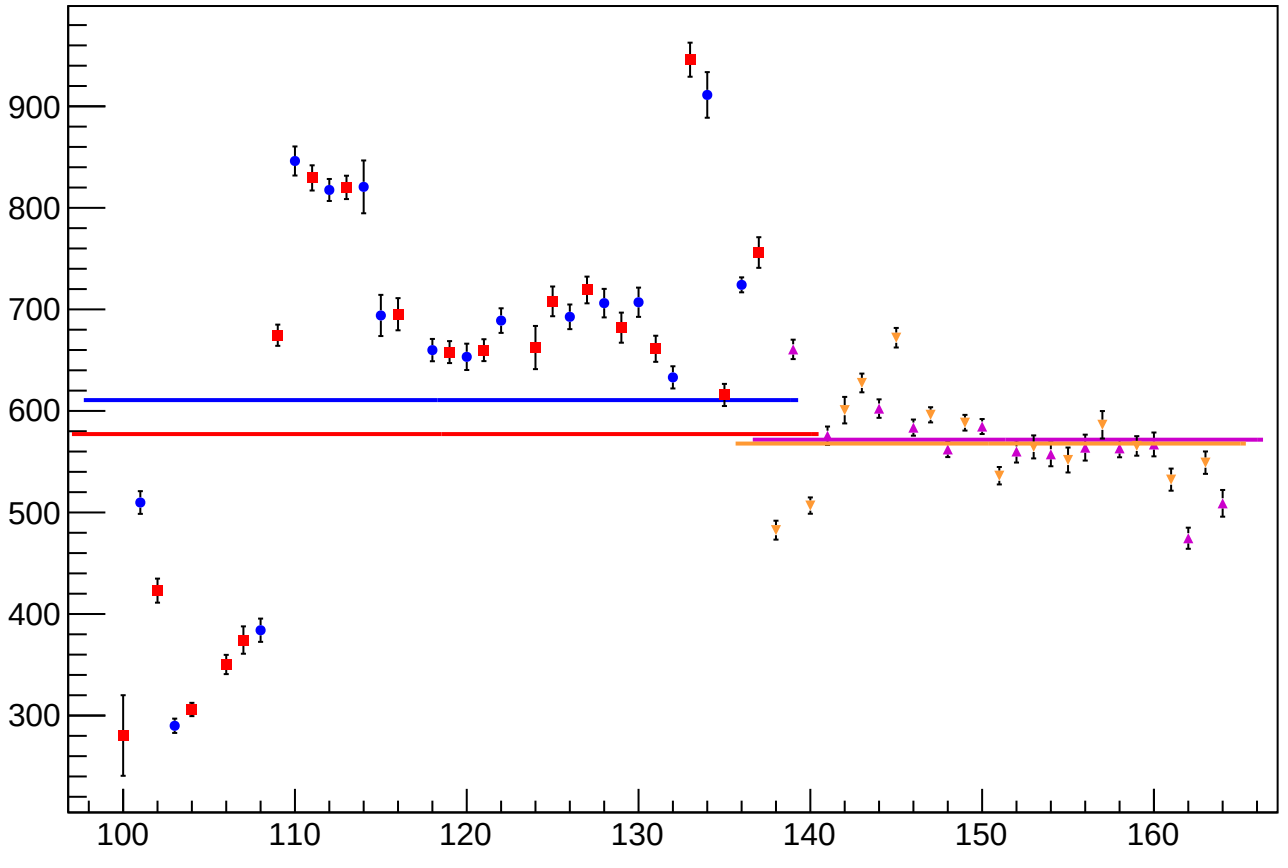
Left: 17.686+/-1.249 χ^2/NDF: 434.9/26

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 12.492+/-1.508 χ^2/NDF:419.8/28

Out: 16.546+/-1.431 χ^2/NDF:441.9/32

All: 14.625+/-1.038 χ^2/NDF: 865.6/61



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 567.858+/-2.574 χ^2/NDF:359.0/13

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 571.673+/-2.640 χ^2/NDF:218.8/12

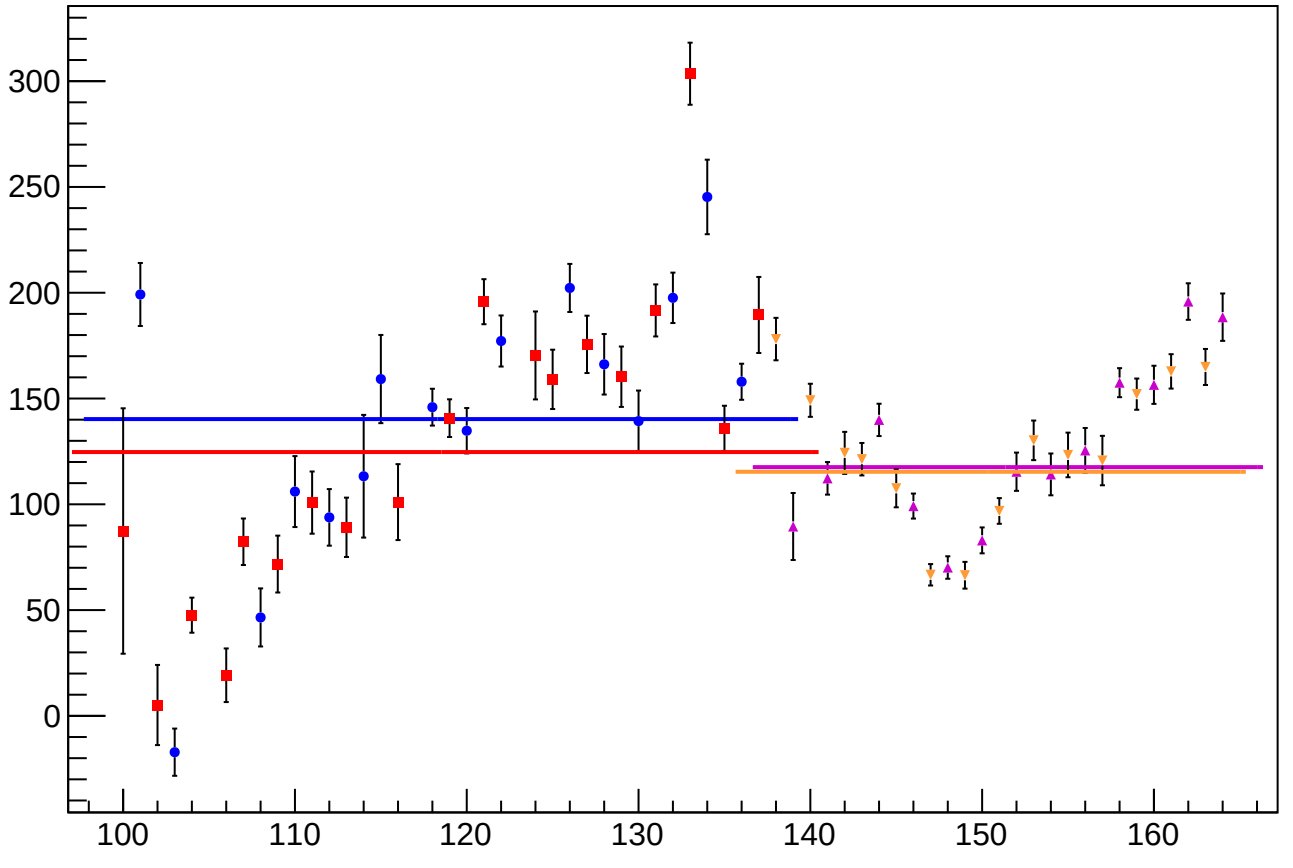
Left: 569.718+/-1.843 χ^2/NDF: 578.9/26

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 589.395+/-1.950 χ^2/NDF:4210.5/28

Out: 572.215+/-1.881 χ^2/NDF:5165.5/32

All: 580.496+/-1.354 χ^2/NDF: 9416.2/61



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 115.372+/-2.076 χ^2/NDF:317.6/13

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 117.574+/-2.157 χ^2/NDF:309.0/12

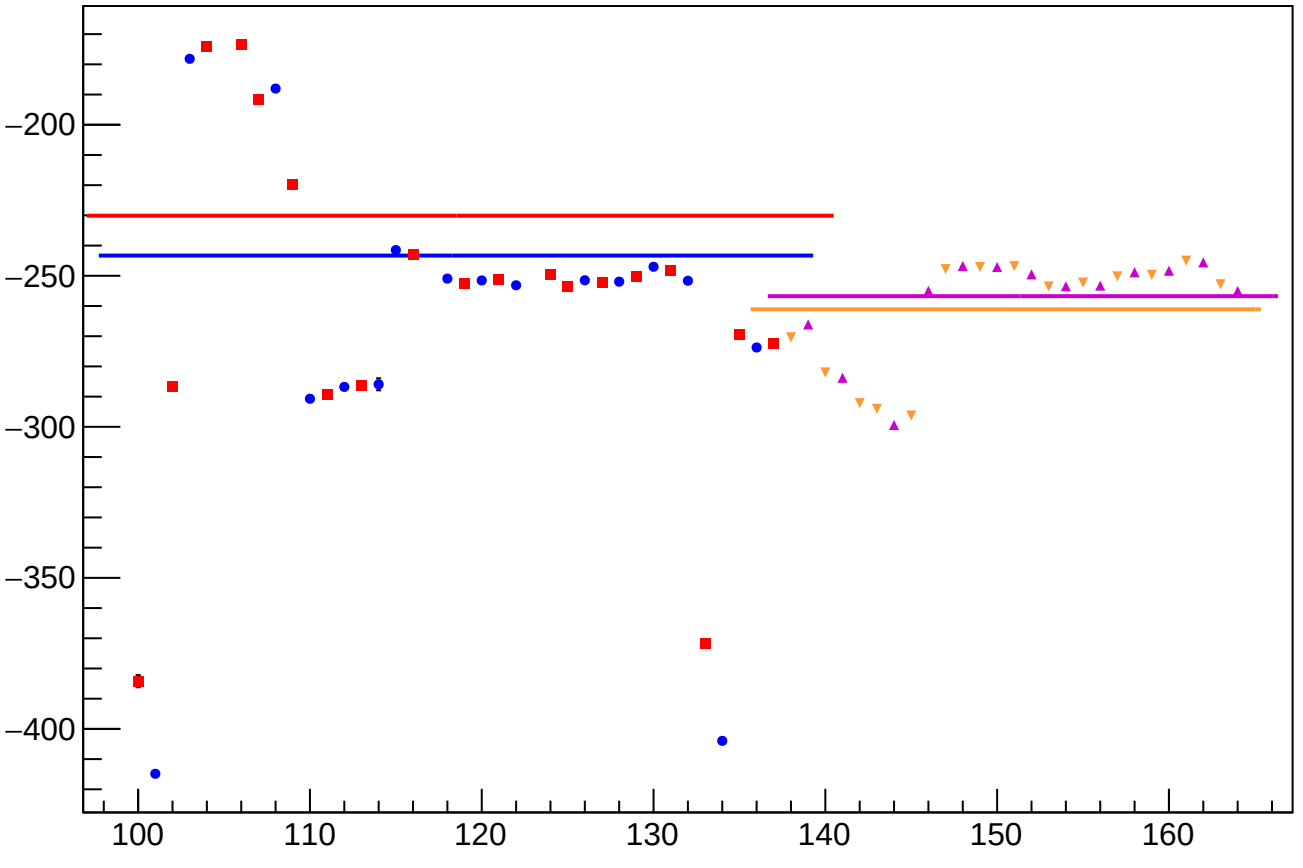
Left: 116.431+/-1.496 χ^2/NDF: 627.2/26

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 124.816+/-1.780 χ^2/NDF:729.7/28

Out: 118.420+/-1.703 χ^2/NDF:832.8/32

All: 121.478+/-1.230 χ^2/NDF: 1569.3/61



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -261.097+/-0.101 χ^2/NDF:33237.4/13

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -256.747+/-0.101 χ^2/NDF:21533.4/12

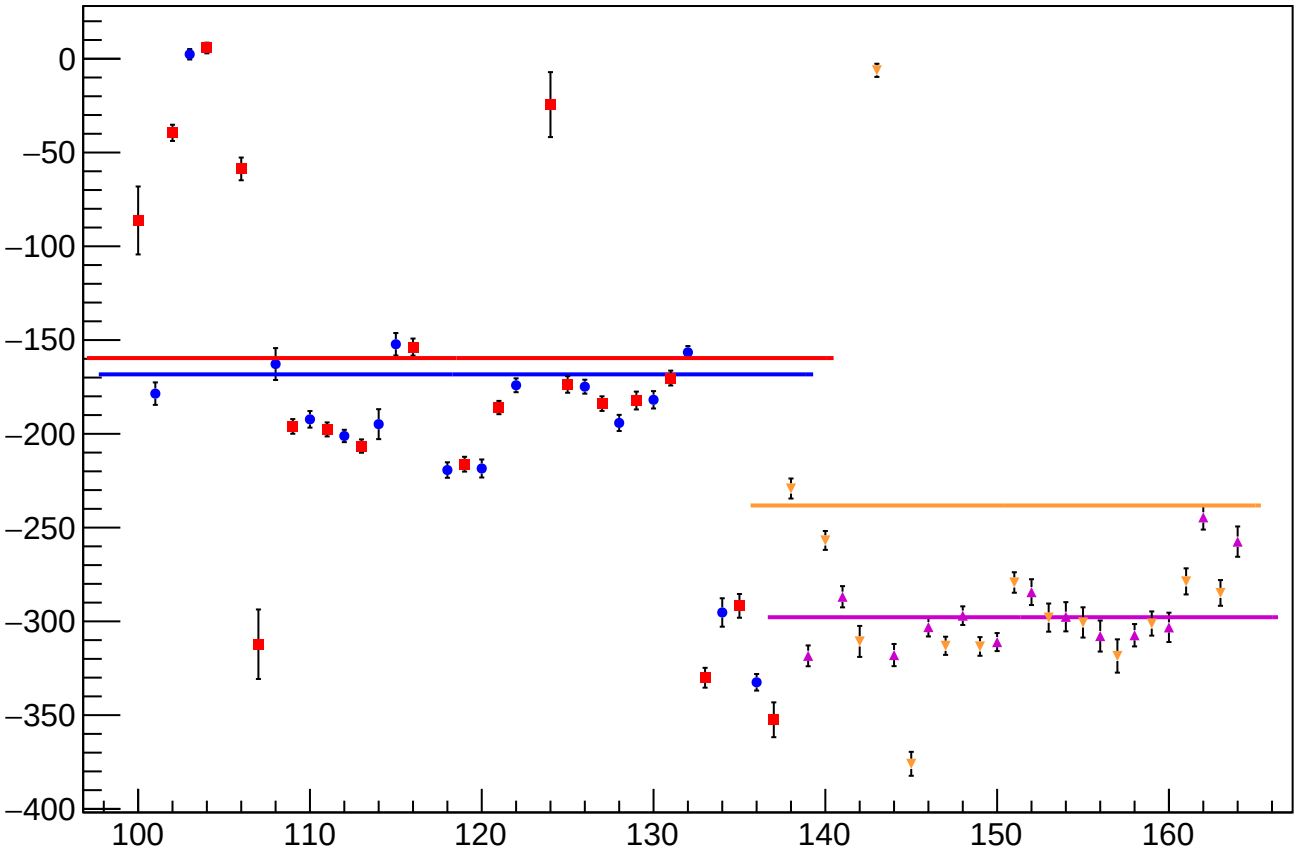
Left: -258.933+/-0.071 χ^2/NDF: 55701.0/26

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.995+/-0.086 χ^2/NDF:199950.6/28

Out: -252.109+/-0.085 χ^2/NDF:163217.0/32

All: -252.546+/-0.060 χ^2/NDF: 363221.6/61



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -238.200+/-1.537 χ^2/NDF:5834.2/13

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -297.794+/-1.687 χ^2/NDF:137.6/12

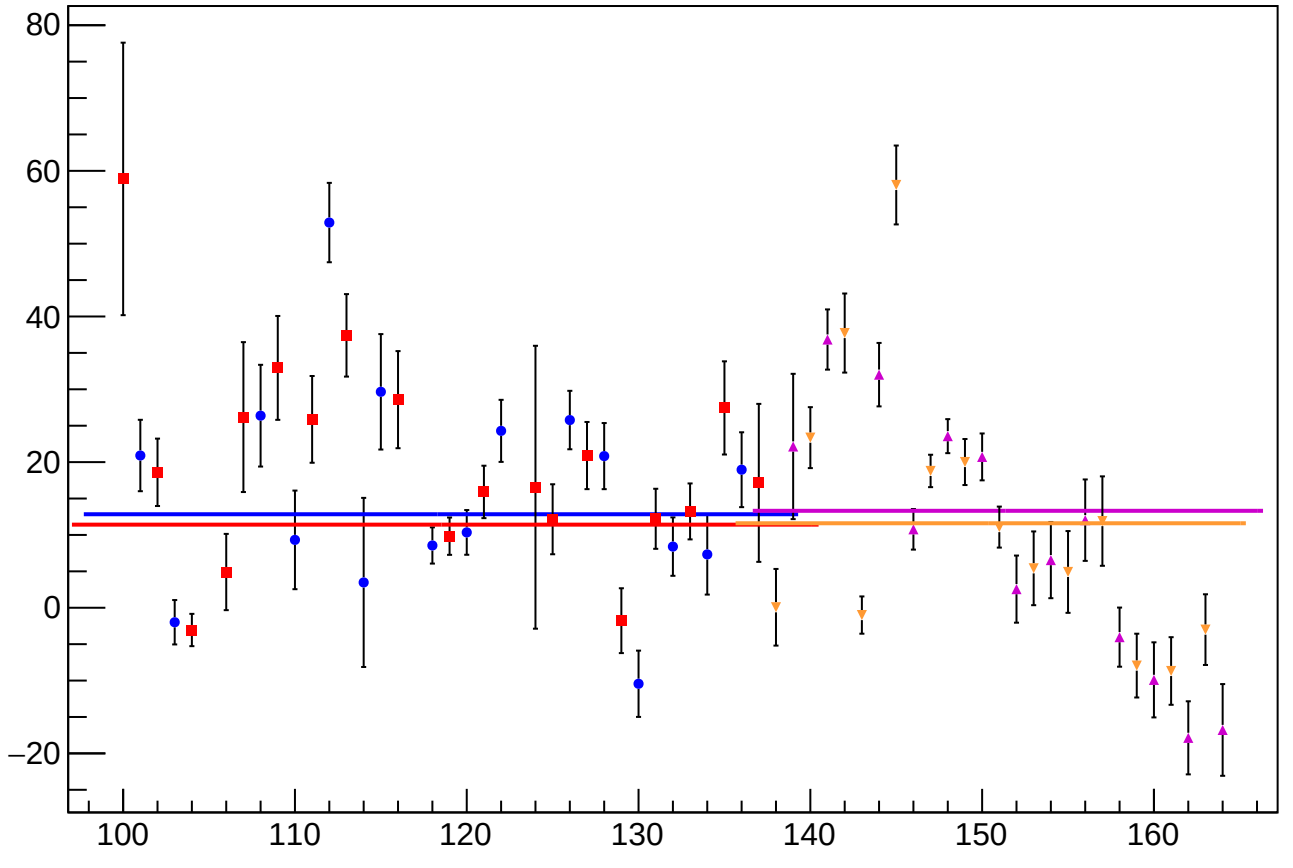
Left: -265.241+/-1.136 χ^2/NDF: 6653.5/26

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -205.730+/-0.907 χ^2/NDF:10234.8/28

Out: -184.351+/-0.863 χ^2/NDF:14822.5/32

All: -194.506+/-0.625 χ^2/NDF: 25349.0/61



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 11.603+/-1.010 χ^2/NDF:202.2/13

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 13.314+/-1.112 χ^2/NDF:184.1/12

Left: 12.376+/-0.748 χ^2/NDF: 387.5/26

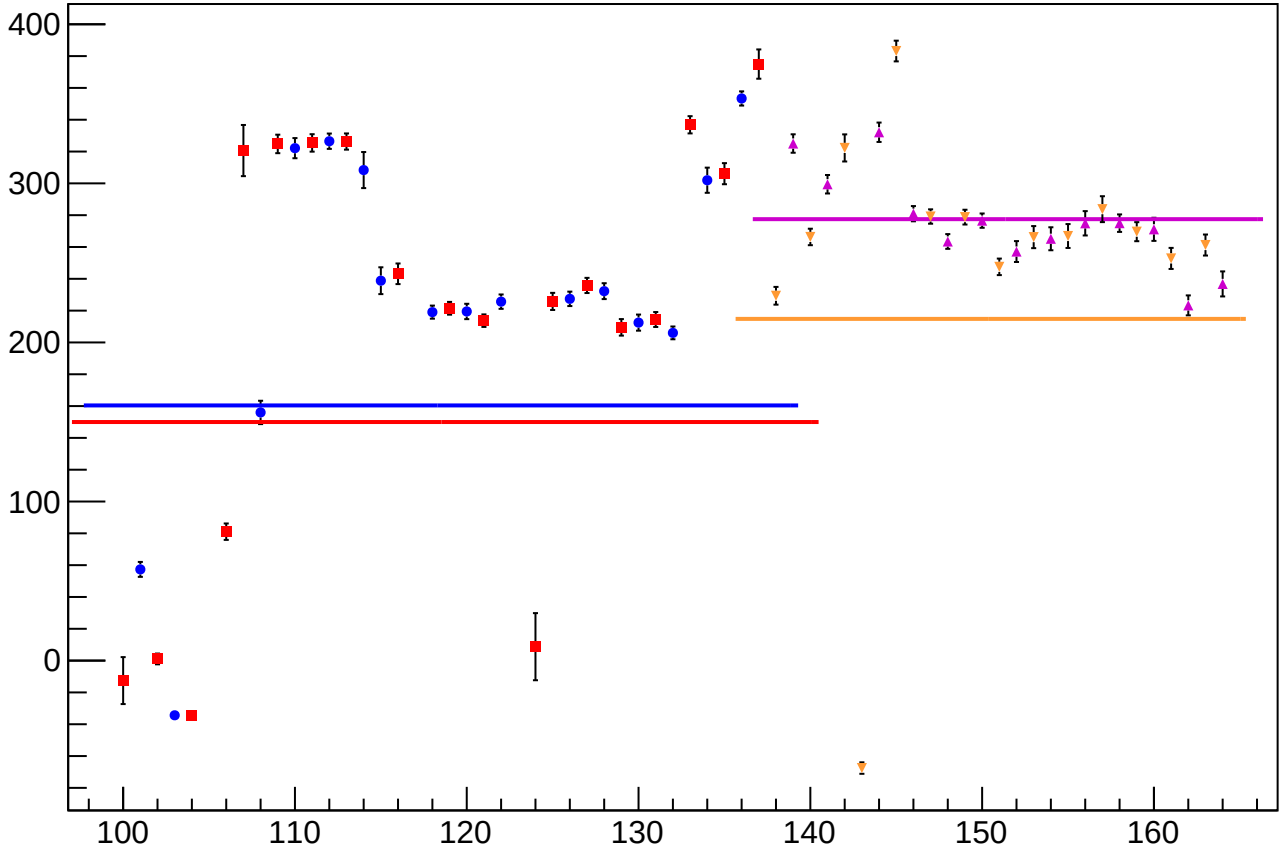
Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 13.070+/-0.773 χ^2/NDF:327.9/28

Out: 11.511+/-0.723 χ^2/NDF:321.8/32

All: 12.238+/-0.528 χ^2/NDF: 651.8/61

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 214.810+/-1.502 χ^2/NDF:7825.3/13

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 277.498+/-1.624 χ^2/NDF:286.8/12

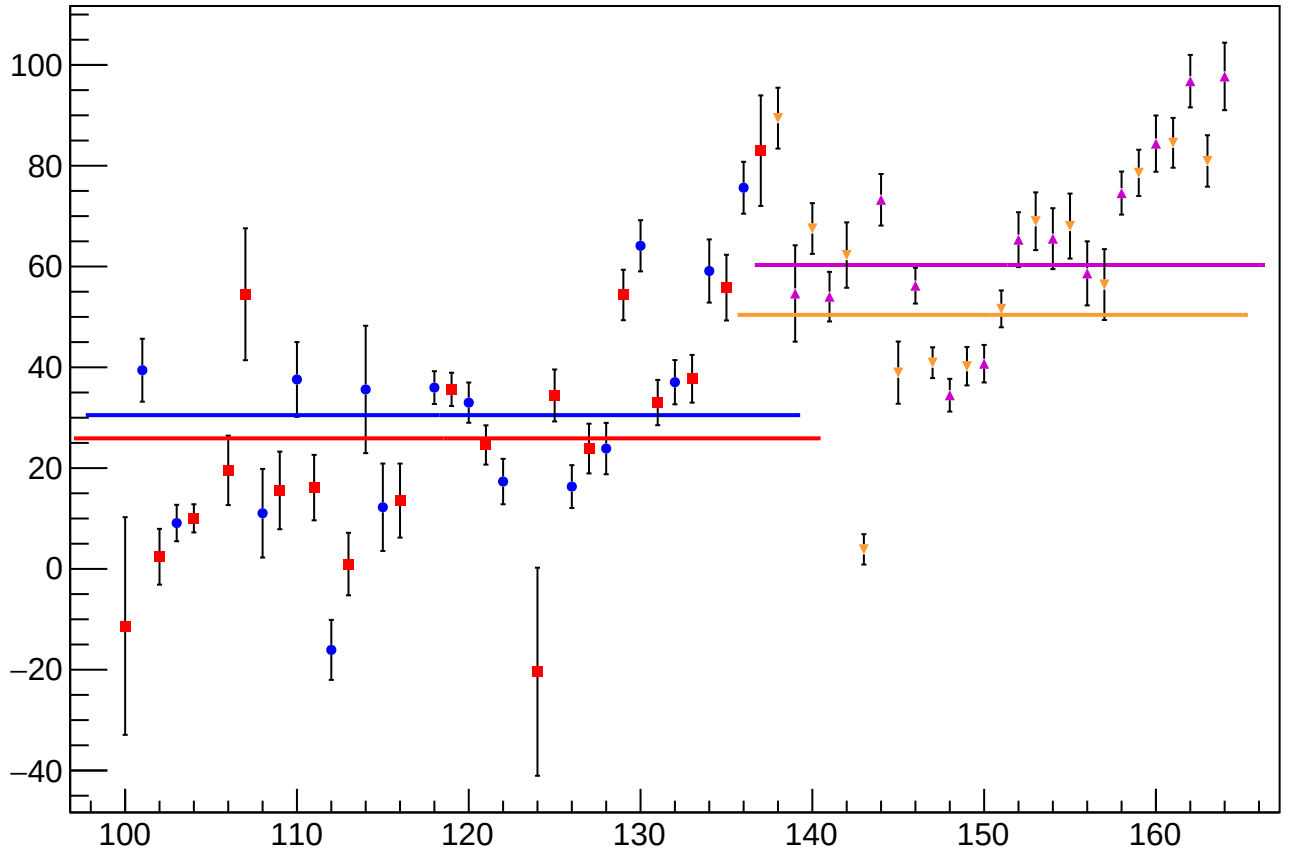
Left: 243.706+/-1.103 χ^2/NDF: 8915.1/26

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 199.007+/-0.933 χ^2/NDF:17720.5/28

Out: 172.790+/-0.891 χ^2/NDF:25298.1/32

All: 185.302+/-0.644 χ^2/NDF: 43431.8/61



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 50.410+/-1.213 χ^2/NDF:455.0/13

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 60.302+/-1.326 χ^2/NDF:212.2/12

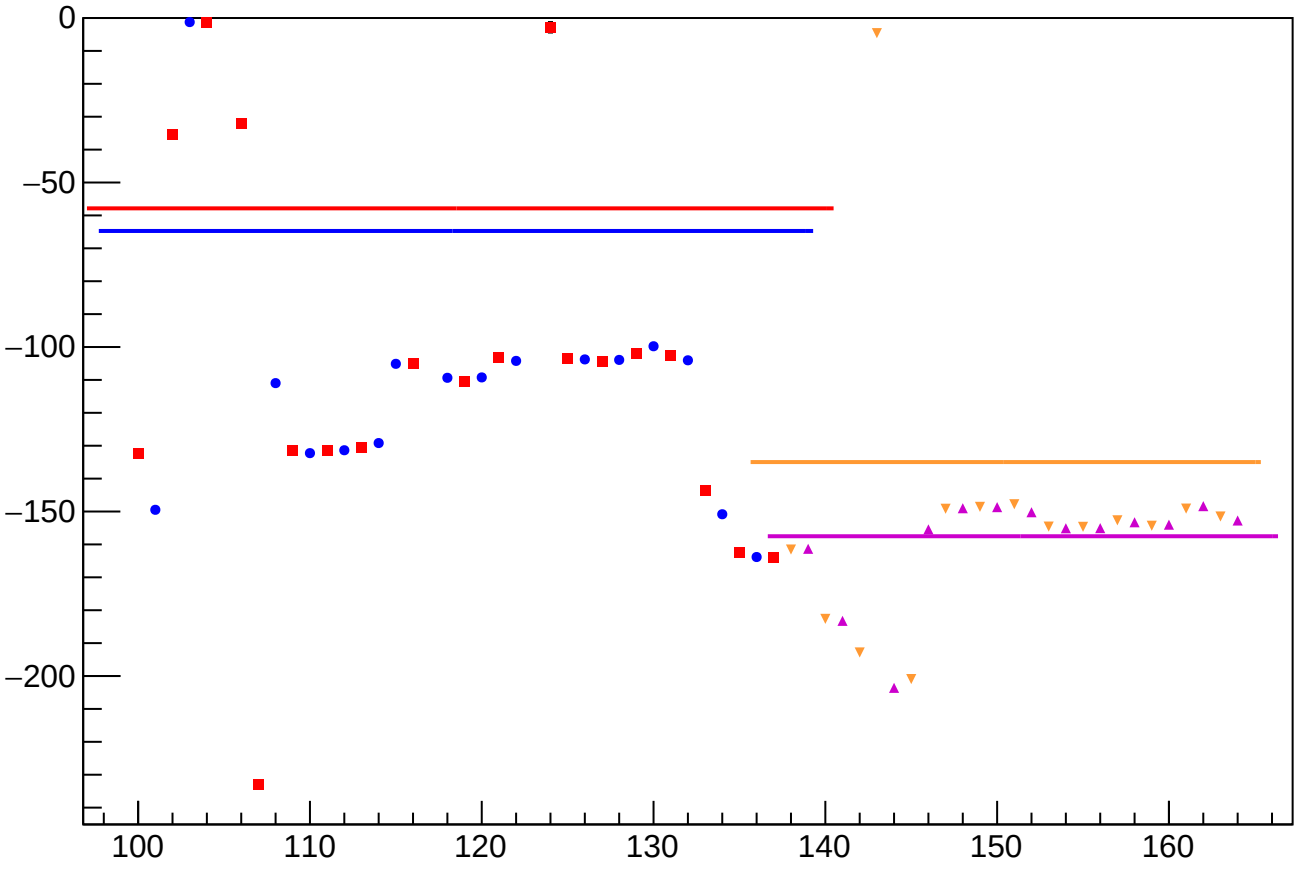
Left: 54.916+/-0.895 χ^2/NDF: 697.5/26

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 44.577+/-0.911 χ^2/NDF:755.5/28

Out: 38.156+/-0.858 χ^2/NDF:846.8/32

All: 41.172+/-0.625 χ^2/NDF: 1628.6/61



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -134.968+/-0.059 χ^2/NDF:954857.1/13

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -157.515+/-0.062 χ^2/NDF:48605.4/12

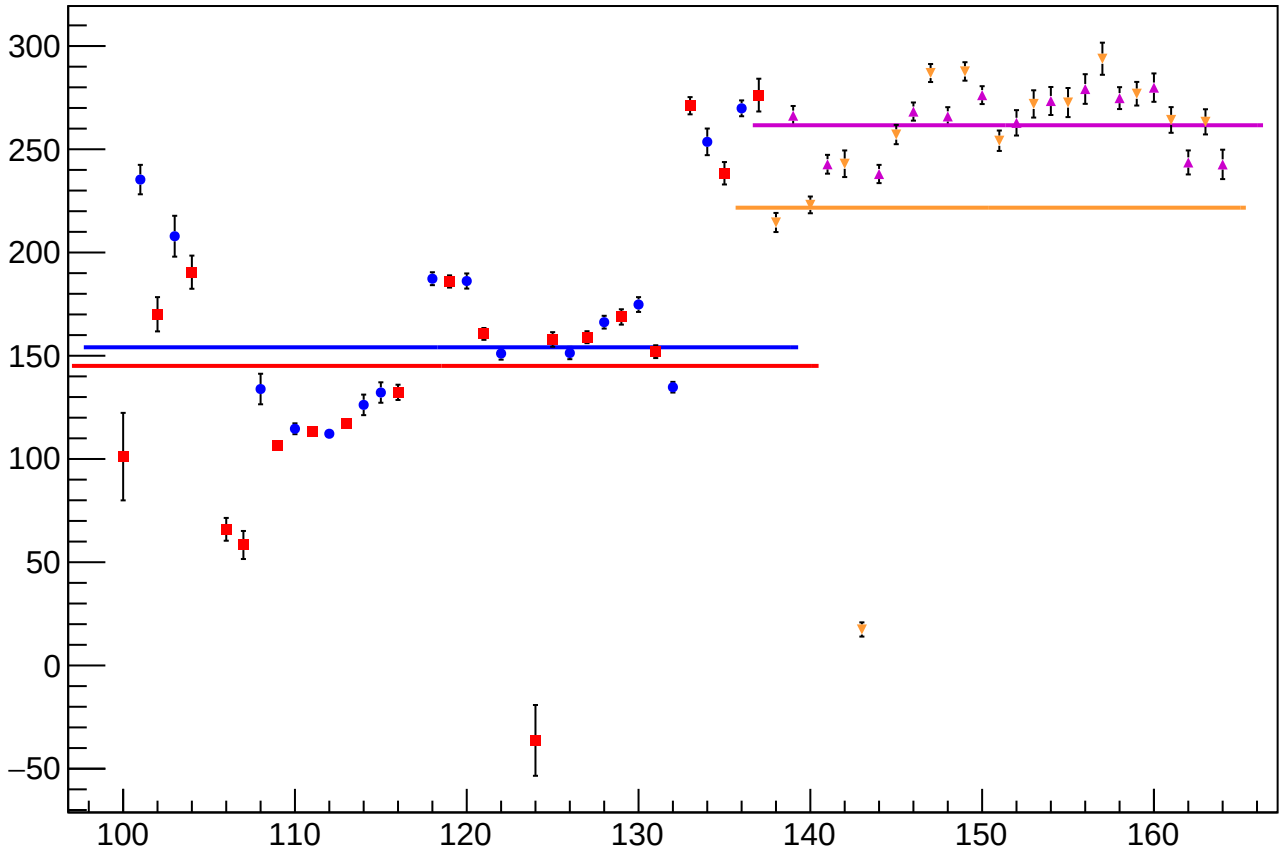
Left: -145.657+/-0.043 χ^2/NDF: 1072874.6/26

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -112.395+/-0.044 χ^2/NDF:2179973.0/28

Out: -98.465+/-0.043 χ^2/NDF:2641407.8/32

All: -105.155+/-0.031 χ^2/NDF: 4872350.5/61



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 221.707+/-1.351 χ^2/NDF:4454.1/13

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 261.631+/-1.453 χ^2/NDF:100.2/12

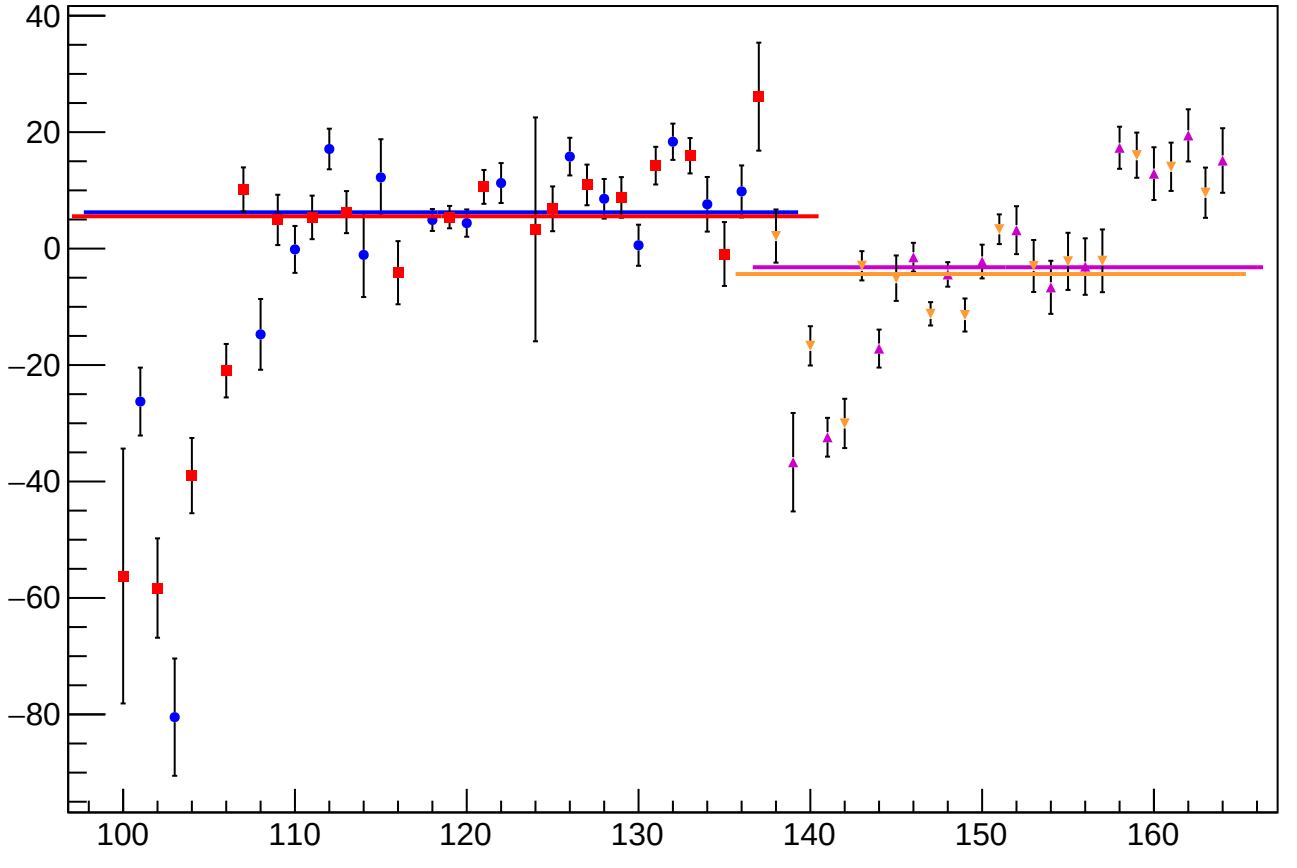
Left: 240.215+/-0.989 χ^2/NDF: 4959.2/26

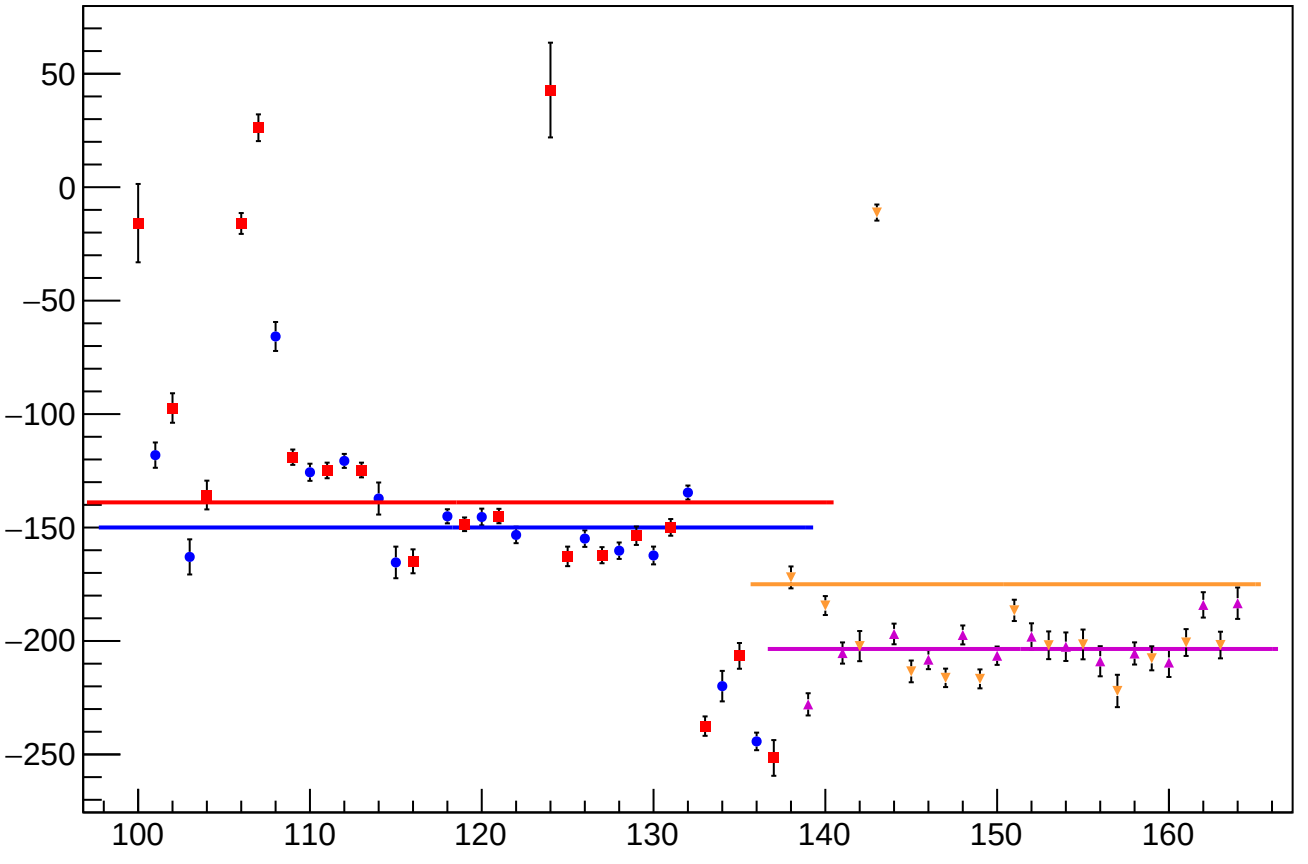
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 182.431+/-0.746 χ^2/NDF:6415.1/28

Out: 165.937+/-0.705 χ^2/NDF:9754.4/32

All: 173.716+/-0.512 χ^2/NDF: 16427.8/61


reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -4.370+/-0.896 χ²/NDF:137.6/13
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -3.205+/-0.970 χ²/NDF:196.1/12
Left: -3.834+/-0.658 χ²/NDF: 334.6/26
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 1.916+/-0.656 χ²/NDF:409.6/28
Out: 0.624+/-0.631 χ²/NDF:380.5/32
All: 1.245+/-0.455 χ²/NDF: 792.1/61



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -174.991+/-1.322 χ^2/NDF:2589.3/13

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -203.520+/-1.404 χ^2/NDF:54.2/12

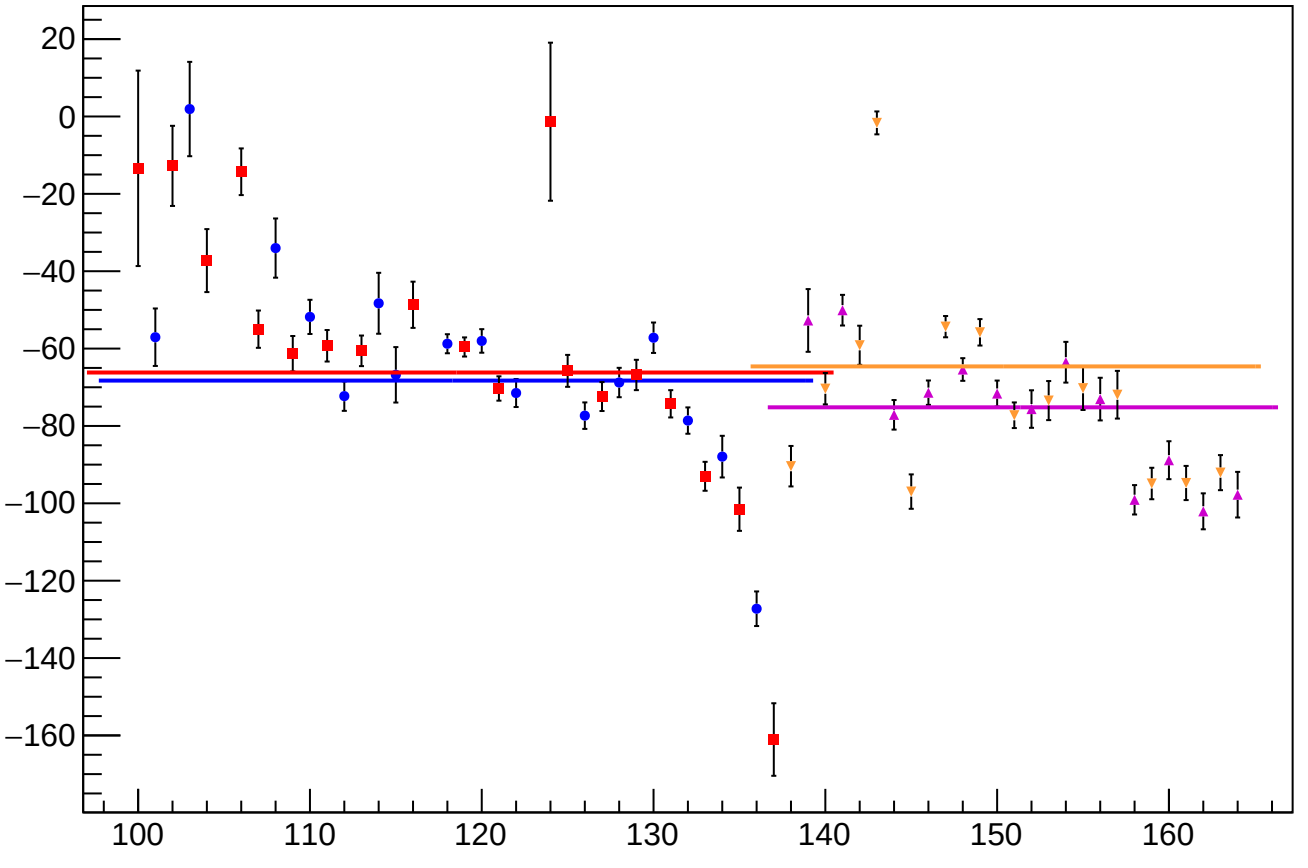
Left: -188.393+/-0.963 χ^2/NDF: 2862.3/26

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -168.595+/-0.828 χ^2/NDF:2101.8/28

Out: -151.934+/-0.794 χ^2/NDF:5816.3/32

All: -159.915+/-0.573 χ^2/NDF: 8128.9/61



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -64.610+/-1.074 χ^2/NDF:711.3/13

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -75.184+/-1.154 χ^2/NDF:162.3/12

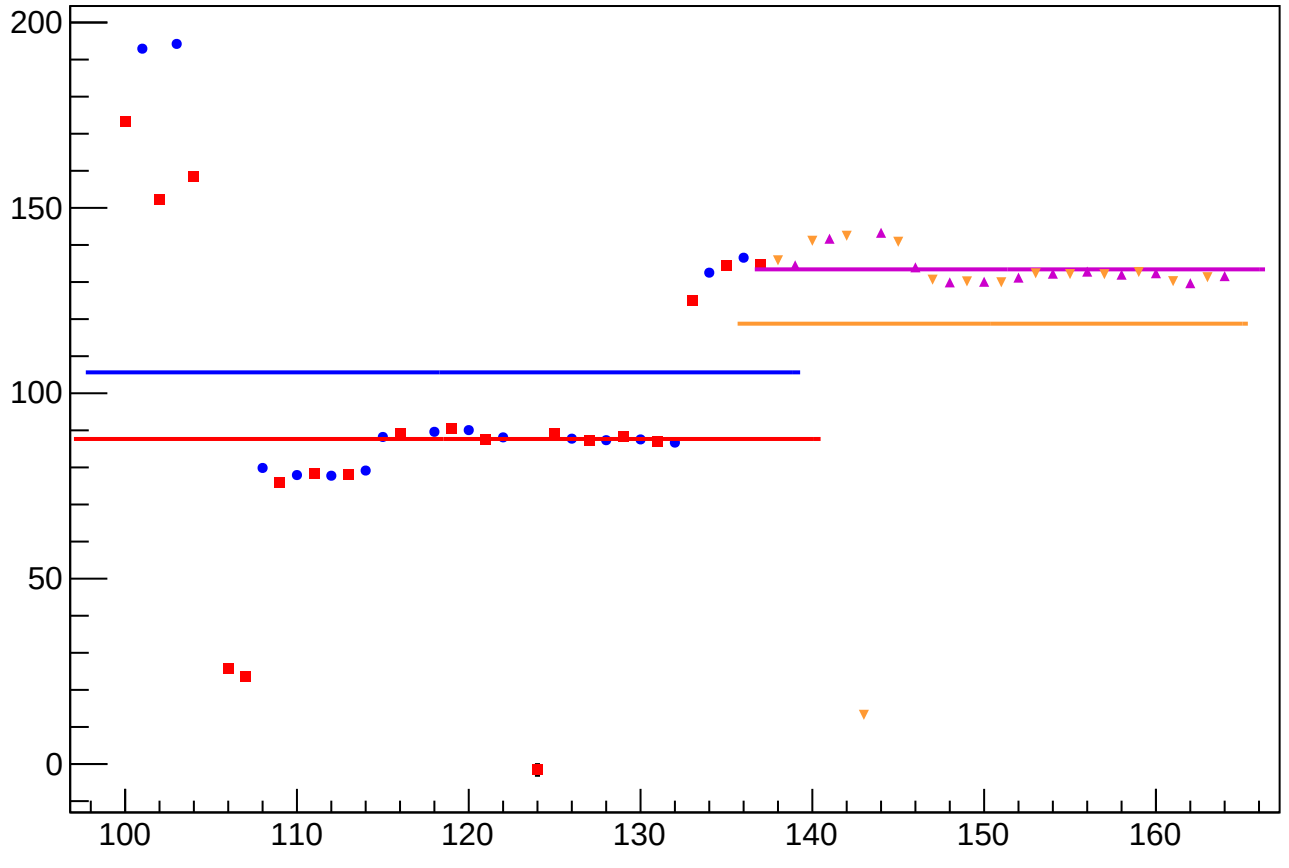
Left: -69.517+/-0.786 χ^2/NDF: 918.7/26

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -71.348+/-0.770 χ^2/NDF:497.6/28

Out: -65.435+/-0.741 χ^2/NDF:1070.8/32

All: -68.279+/-0.534 χ^2/NDF: 1599.1/61



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 118.768+/-0.052 χ^2/NDF:593449.4/13

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 133.418+/-0.054 χ^2/NDF:5723.8/12

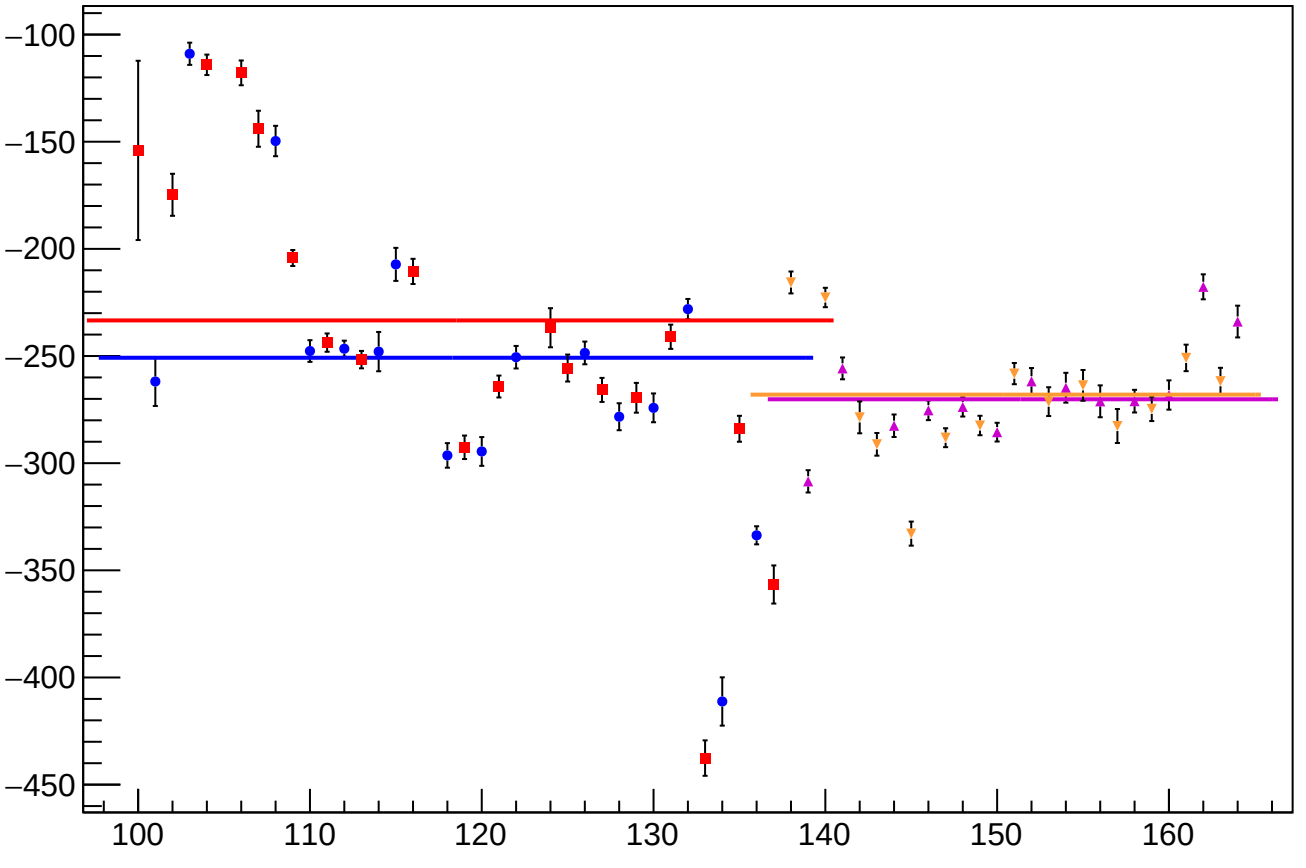
Left: 125.815+/-0.037 χ^2/NDF: 637570.9/26

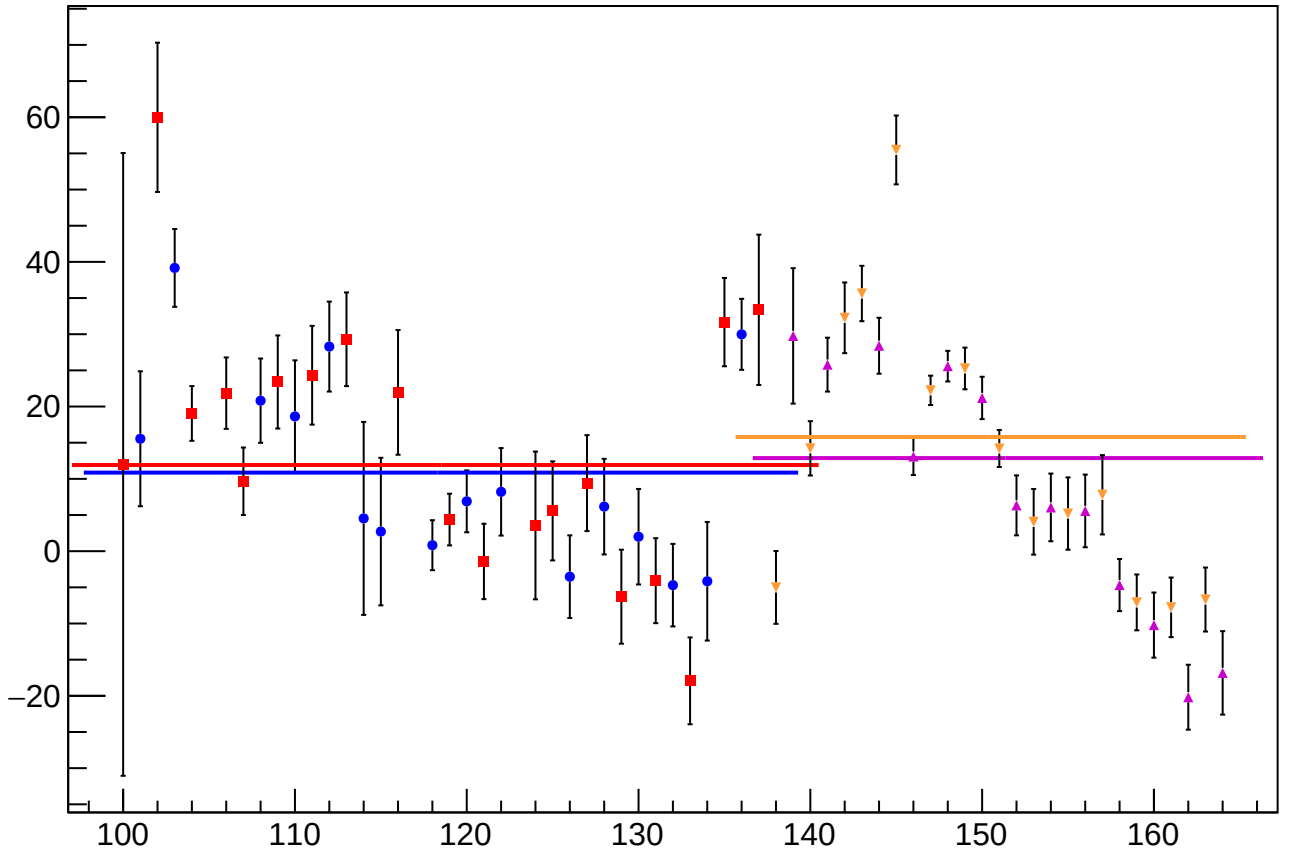
Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 123.242+/-0.043 χ^2/NDF:342793.0/28

Out: 106.817+/-0.041 χ^2/NDF:1106124.6/32

All: 114.600+/-0.030 χ^2/NDF: 1526144.3/61


reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−150
−200
−250
−300
−350
−400
−450
100
110
120
130
140
150
160
Right In: -250.812+/-1.438 χ²/NDF: 1735.7/15
Left Out: -268.019+/-1.485 χ²/NDF:408.9/13
Right Out: -233.396+/-1.333 χ²/NDF: 2378.5/18
Left In: -270.194+/-1.524 χ²/NDF:189.4/12
Left: -269.078+/-1.063 χ²/NDF: 599.3/26
Right: -241.445+/-0.978 χ²/NDF: 4193.1/34
In: -259.944+/-1.046 χ²/NDF:2010.6/28
Out: -248.848+/-0.992 χ²/NDF:3088.3/32
All: -254.104+/-0.720 χ²/NDF: 5158.2/61



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 15.787+/-0.962 χ^2/NDF:253.1/13

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 12.871+/-1.003 χ^2/NDF:213.2/12

Left: 14.390+/-0.695 χ^2/NDF: 470.7/26

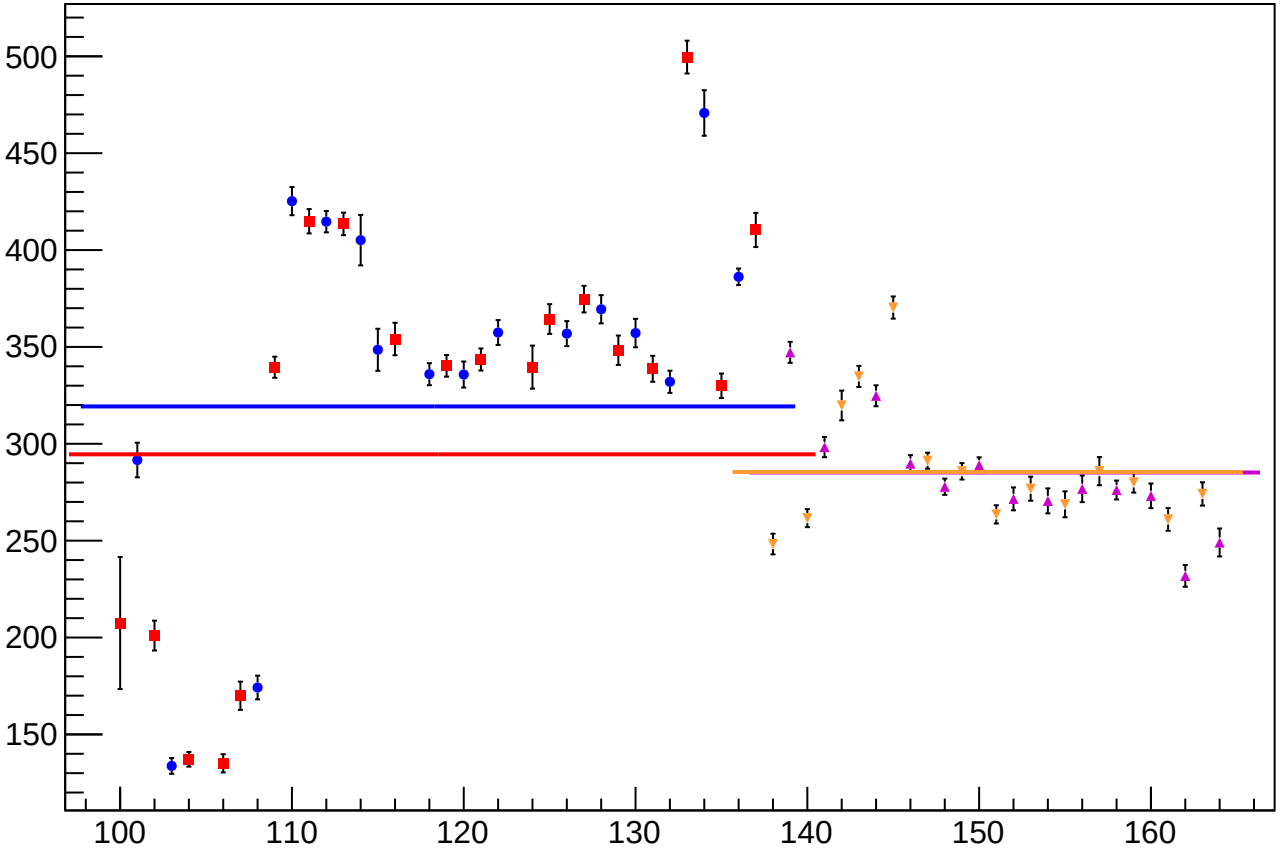
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 12.234+/-0.829 χ^2/NDF:299.1/28

Out: 14.504+/-0.787 χ^2/NDF:370.4/32

All: 13.427+/-0.571 χ^2/NDF: 673.4/61

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 285.444+/-1.440 χ^2/NDF:450.5/13

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 285.182+/-1.466 χ^2/NDF:330.3/12

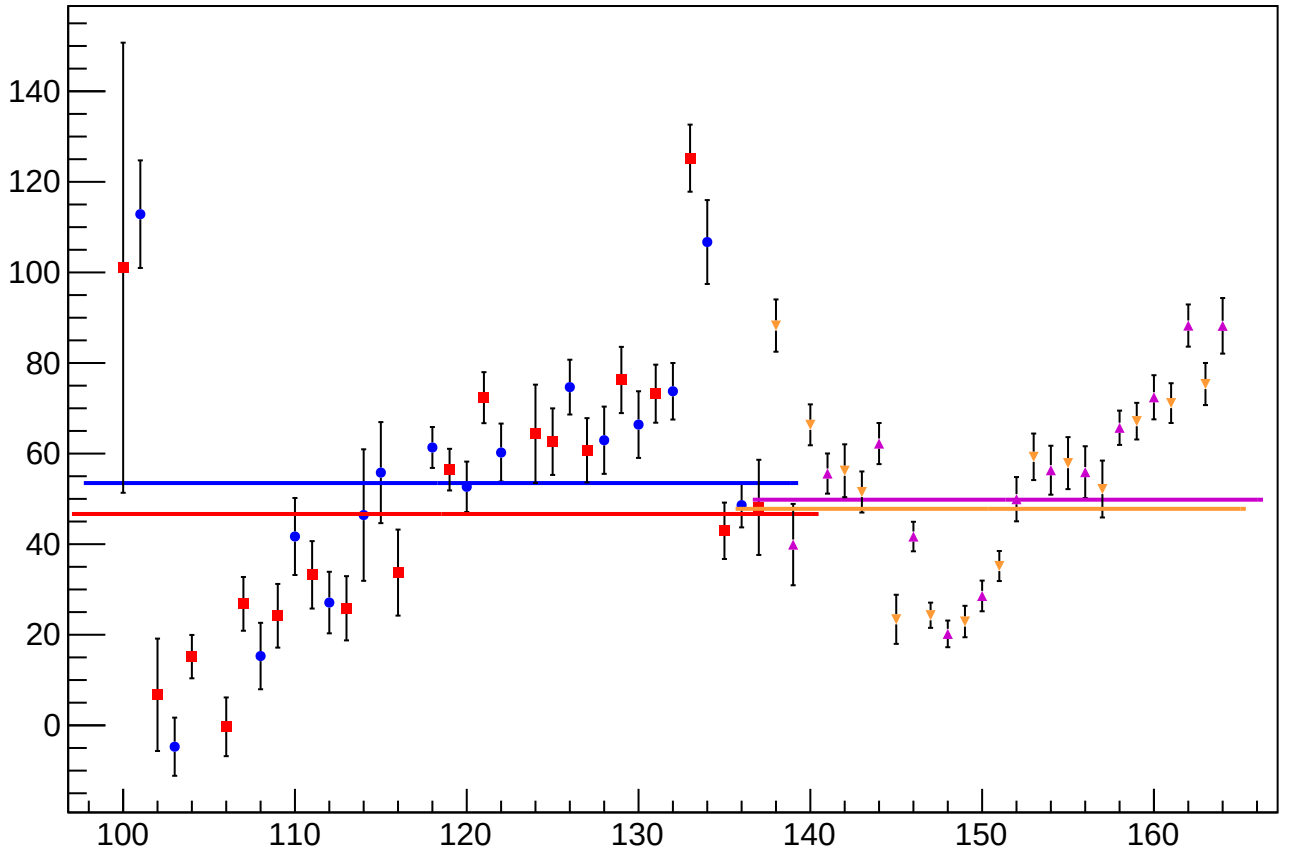
Left: 285.315+/-1.027 χ^2/NDF: 780.8/26

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 300.900+/-1.077 χ^2/NDF:4372.7/28

Out: 289.876+/-1.033 χ^2/NDF:5973.2/32

All: 295.158+/-0.745 χ^2/NDF: 10400.5/61



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 47.805+/-1.157 χ^2/NDF:320.9/13

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 49.820+/-1.195 χ^2/NDF:306.3/12

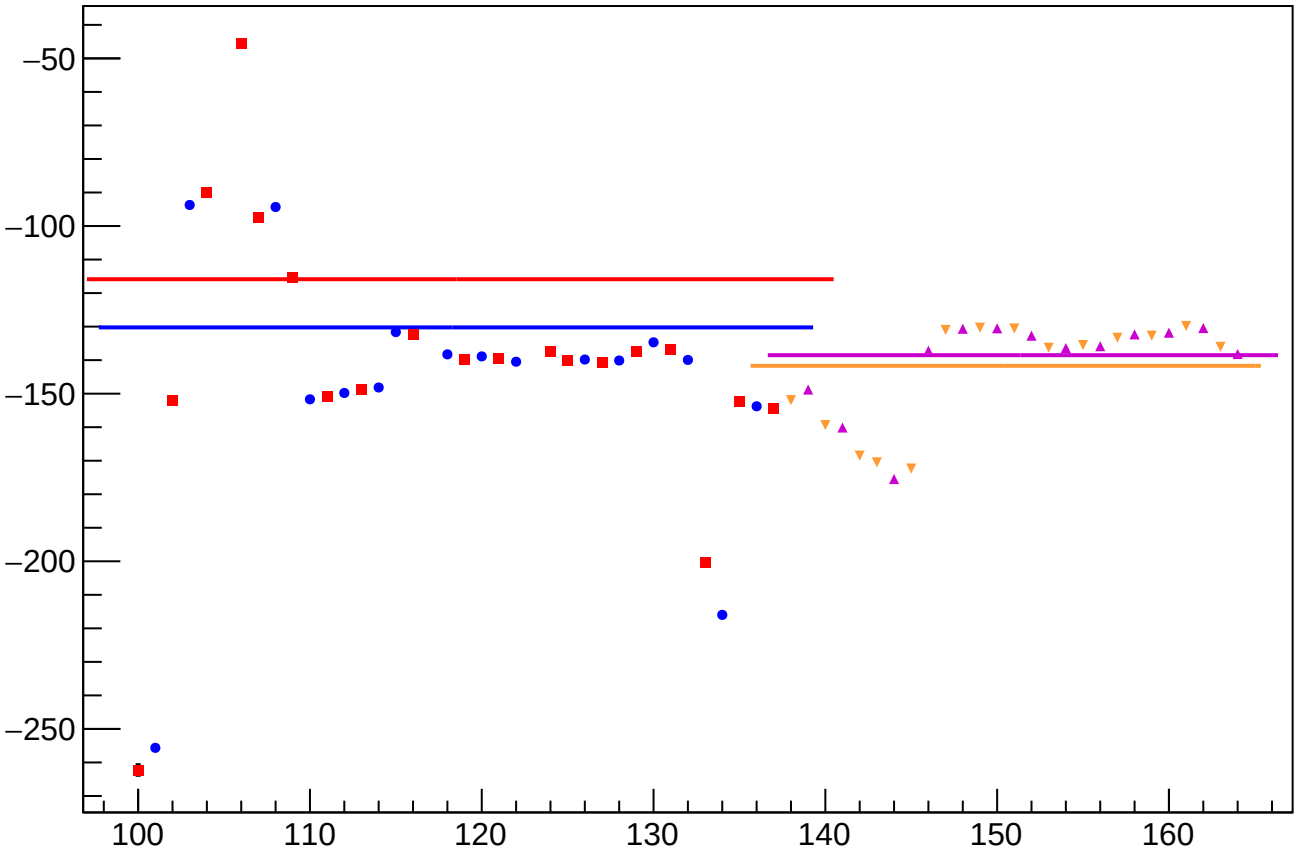
Left: 48.780+/-0.831 χ^2/NDF: 628.7/26

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 51.036+/-0.978 χ^2/NDF:526.7/28

Out: 47.411+/-0.936 χ^2/NDF:646.9/32

All: 49.146+/-0.676 χ^2/NDF: 1180.7/61



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -141.693+/-0.056 χ^2/NDF:71313.1/13

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -138.521+/-0.056 χ^2/NDF:45493.7/12

Left: -140.106+/-0.040 χ^2/NDF: 118409.9/26

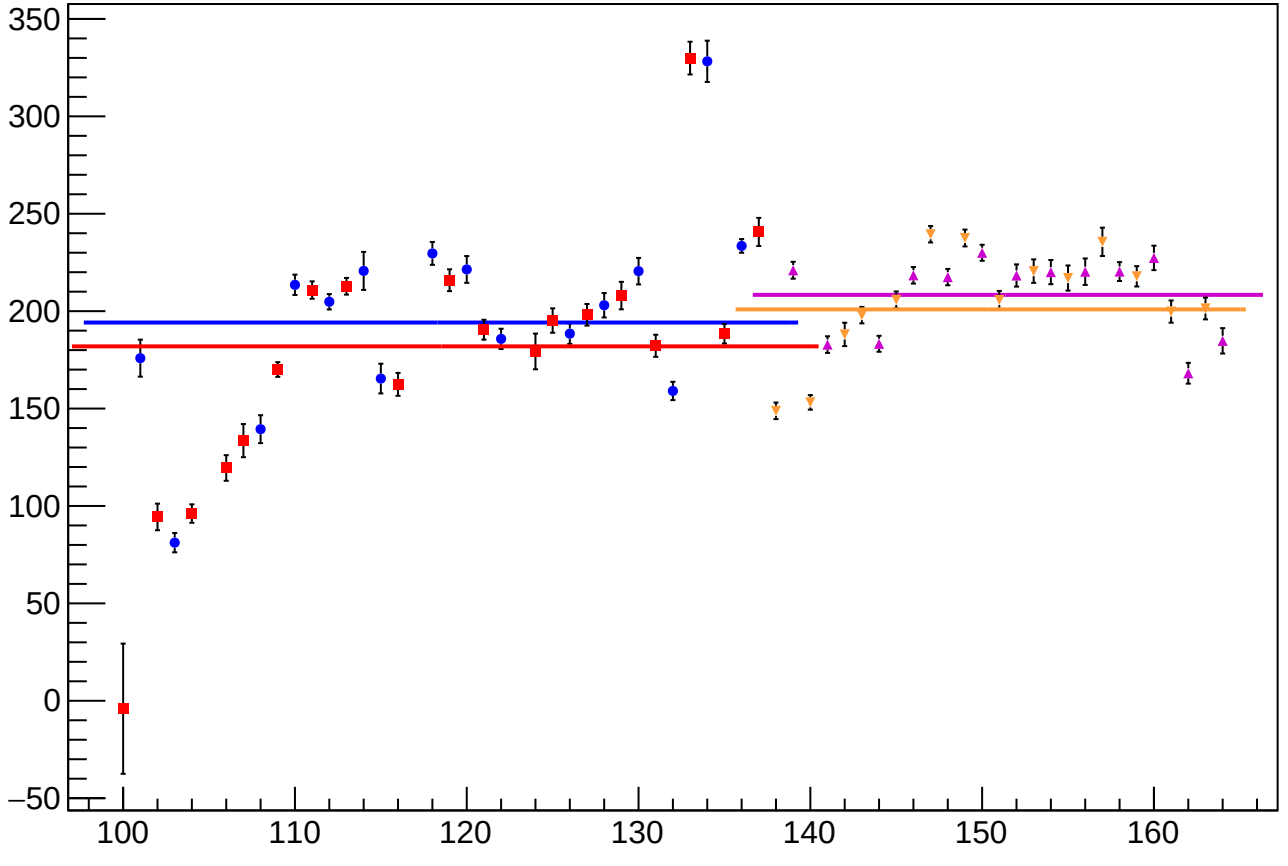
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -136.249+/-0.048 χ^2/NDF:225706.3/28

Out: -133.959+/-0.047 χ^2/NDF:340813.0/32

All: -135.084+/-0.033 χ^2/NDF: 567690.9/61

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: 200.898+/-1.301 χ^2/NDF:526.2/13

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 208.366+/-1.355 χ^2/NDF:214.9/12

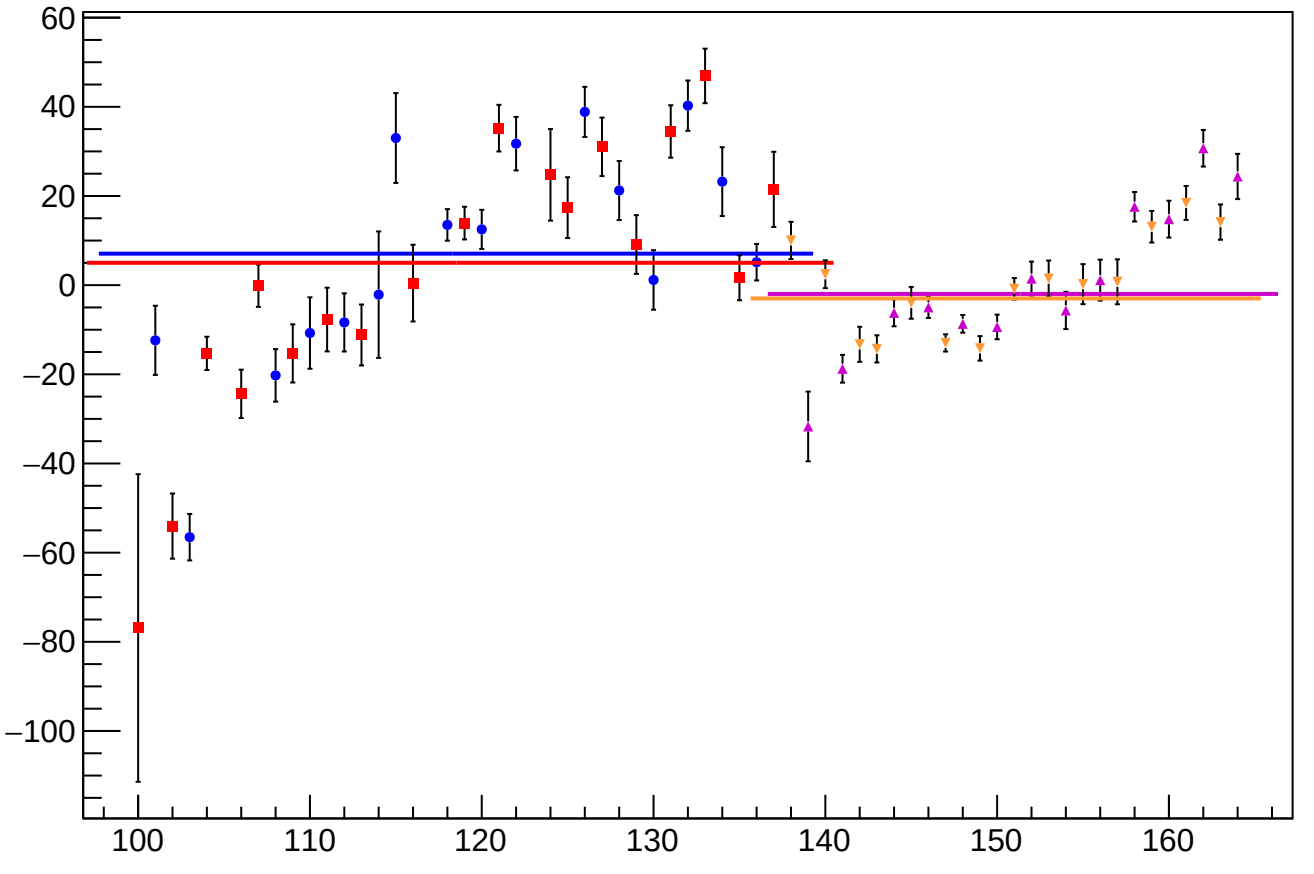
Left: 204.479+/-0.939 χ^2/NDF: 756.9/26

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 201.528+/-0.976 χ^2/NDF:1302.9/28

Out: 191.564+/-0.927 χ^2/NDF:1835.7/32

All: 196.291+/-0.672 χ^2/NDF: 3193.4/61



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -2.980+/-0.863 χ^2/NDF:150.8/13

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -1.970+/-0.908 χ^2/NDF:209.5/12

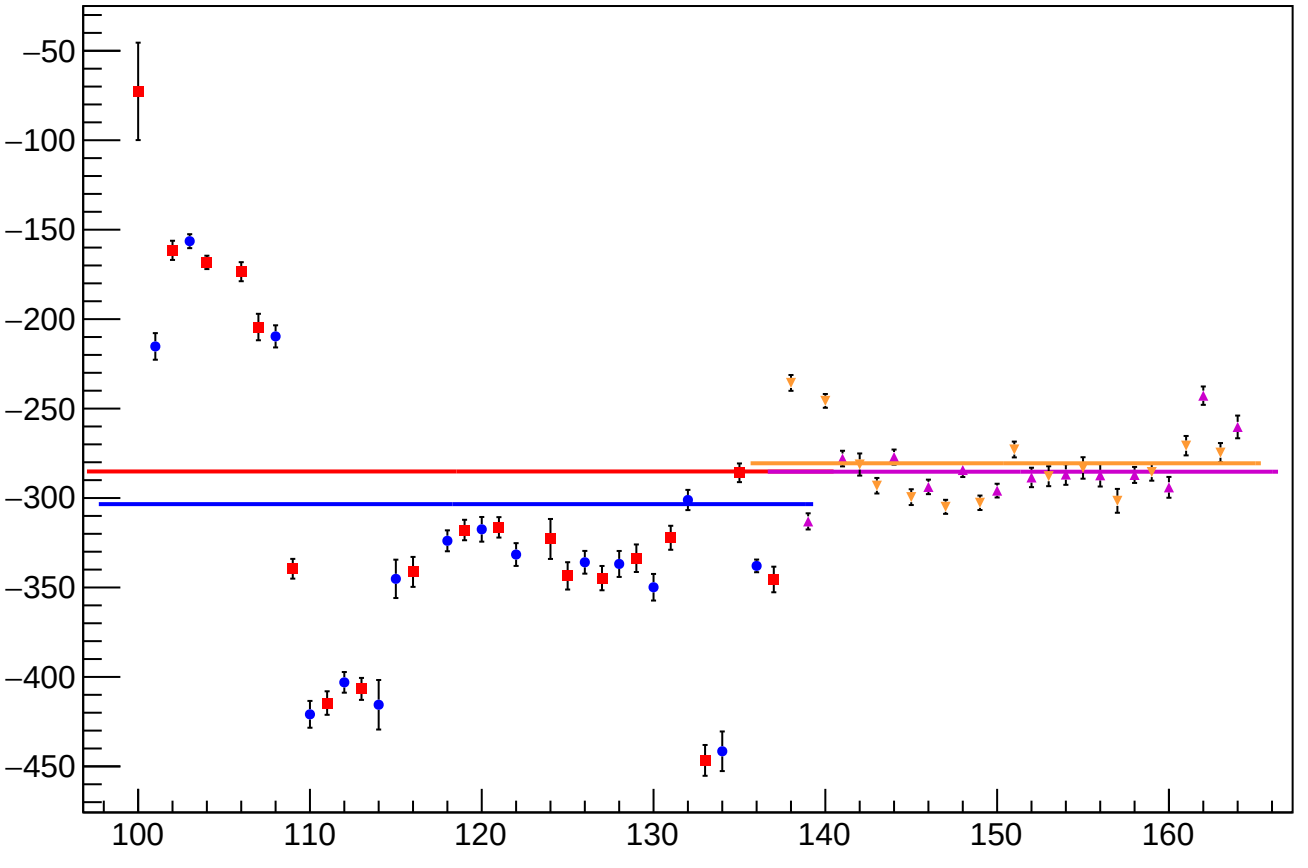
Left: -2.501+/-0.625 χ^2/NDF: 360.9/26

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 0.593+/-0.768 χ^2/NDF:530.2/28

Out: -0.674+/-0.728 χ^2/NDF:464.1/32

All: -0.075+/-0.528 χ^2/NDF: 995.7/61



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -280.572+/-1.270 χ^2/NDF:300.4/13

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -285.289+/-1.310 χ^2/NDF:143.5/12

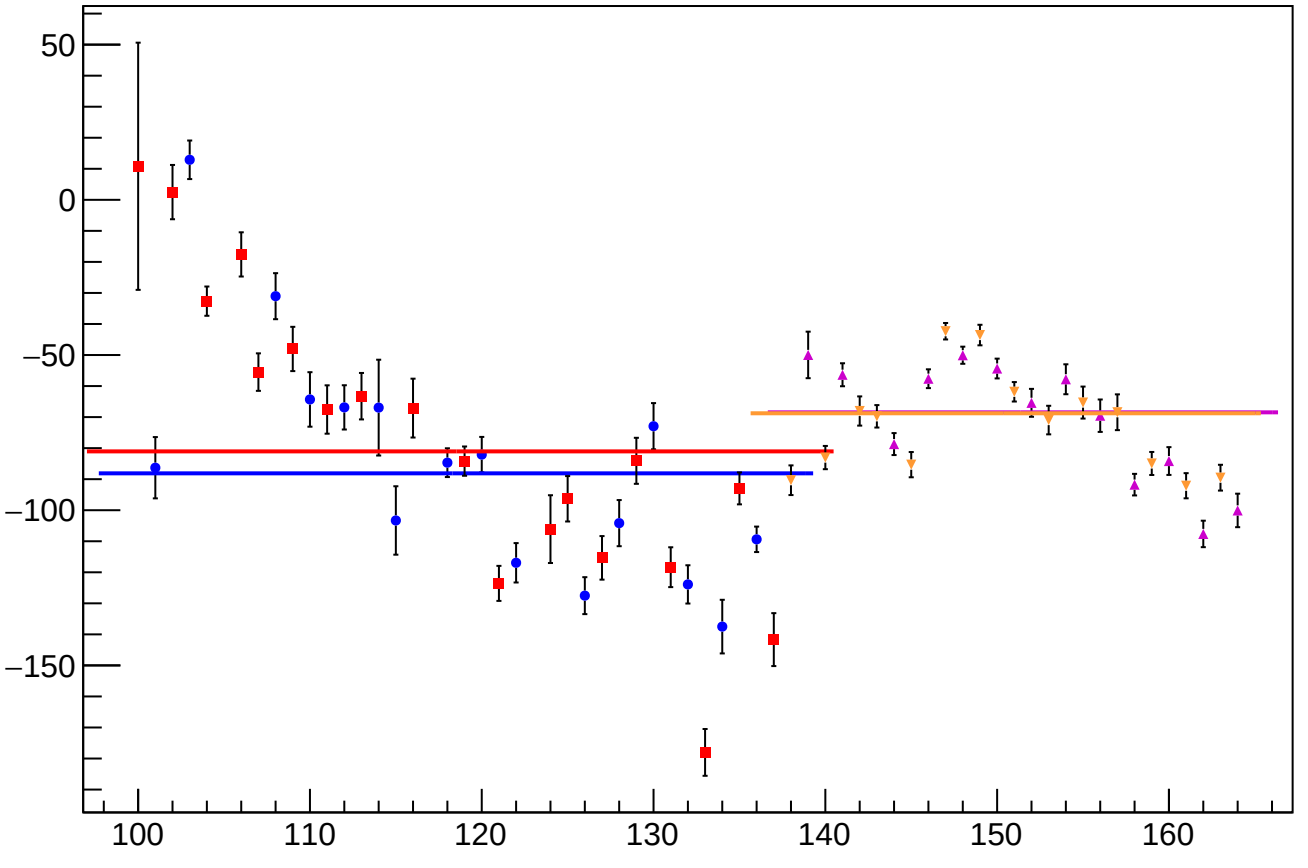
Left: -282.857+/-0.912 χ^2/NDF: 450.6/26

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -292.955+/-0.995 χ^2/NDF:3009.9/28

Out: -282.557+/-0.956 χ^2/NDF:4060.9/32

All: -287.545+/-0.689 χ^2/NDF: 7127.5/61



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -68.770+/-1.032 χ^2/NDF:291.4/13

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -68.466+/-1.078 χ^2/NDF:283.3/12

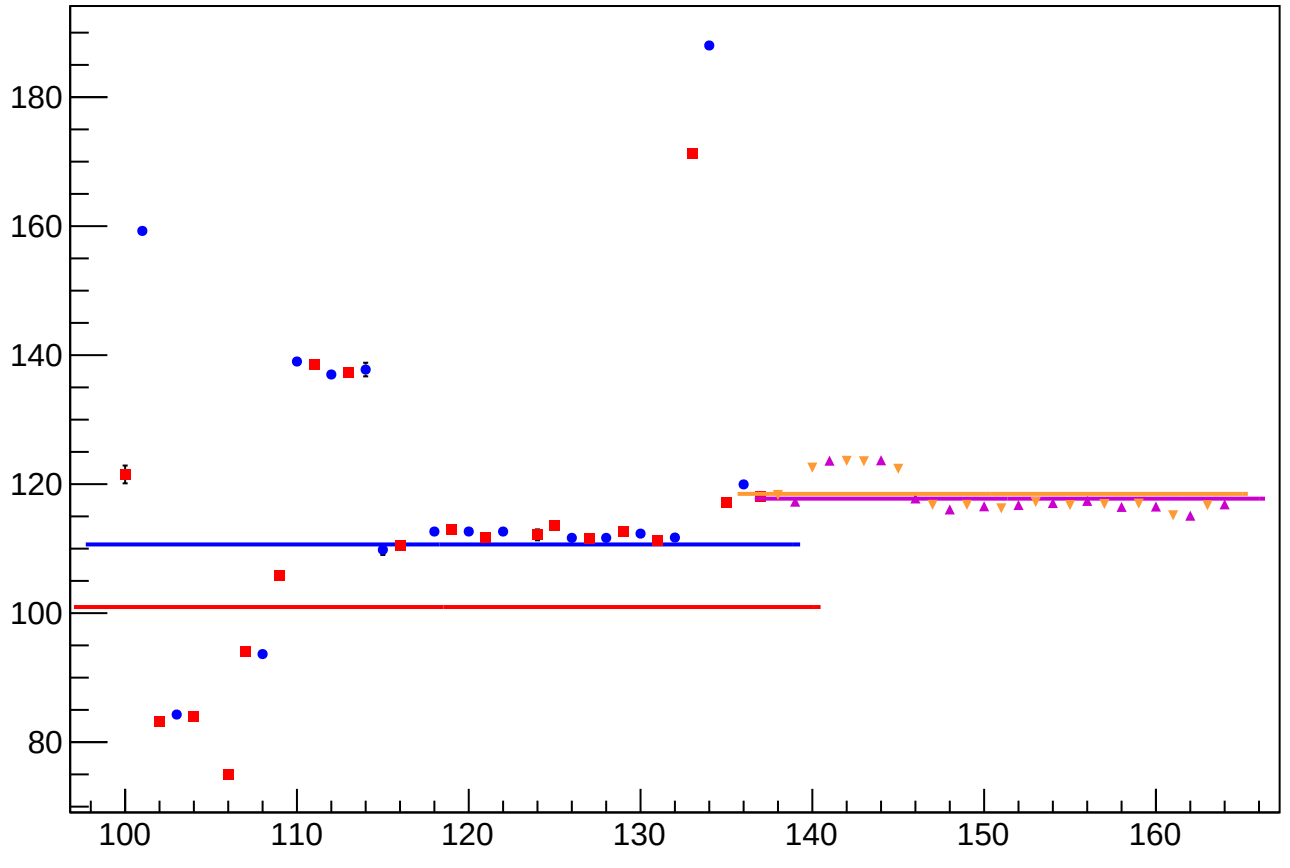
Left: -68.624+/-0.746 χ^2/NDF: 574.8/26

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -74.320+/-0.903 χ^2/NDF:894.2/28

Out: -72.478+/-0.862 χ^2/NDF:1011.7/32

All: -73.356+/-0.624 χ^2/NDF: 1908.1/61



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 118.493+/-0.050 χ^2/NDF:3245.9/13

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.752+/-0.050 χ^2/NDF:2609.6/12

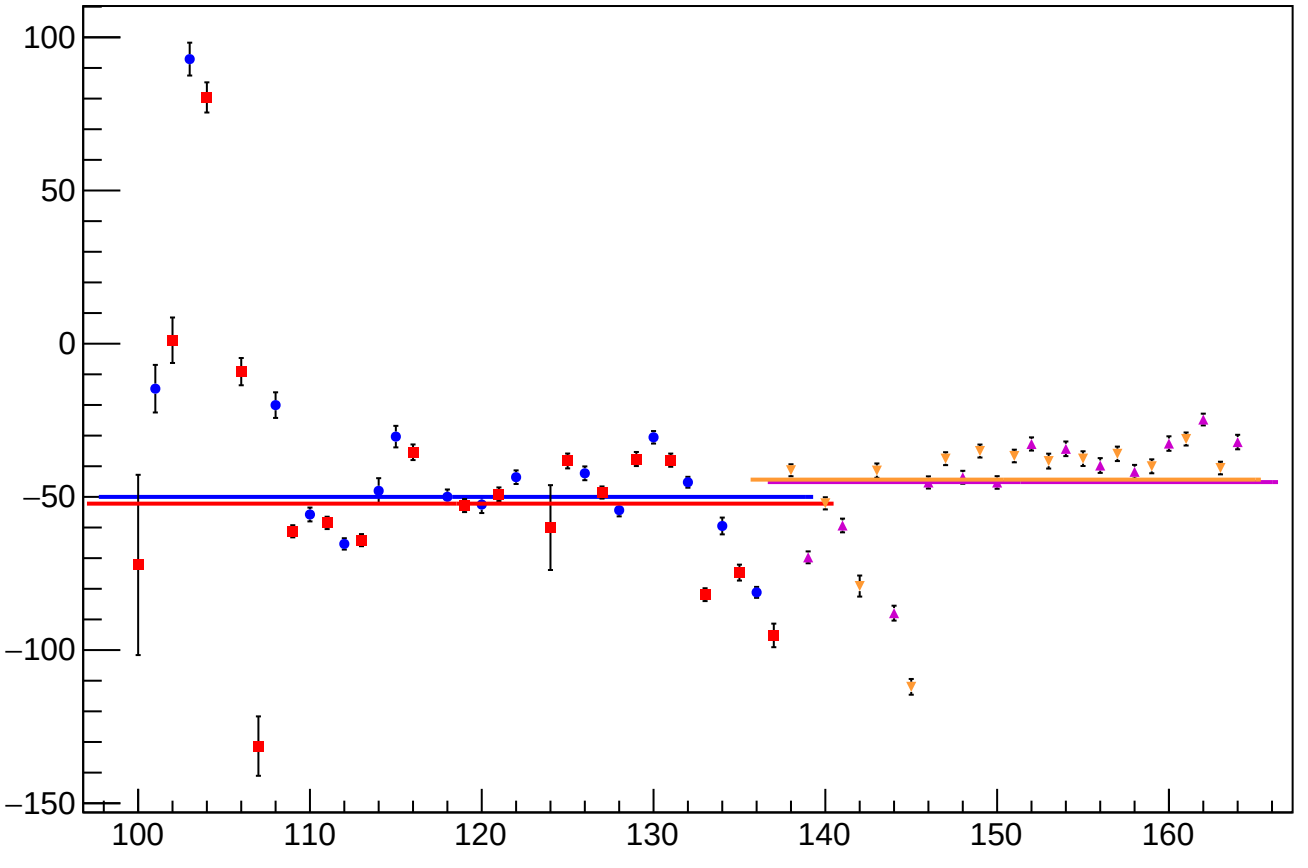
Left: 118.127+/-0.035 χ^2/NDF: 5966.1/26

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.944+/-0.043 χ^2/NDF:91234.1/28

Out: 113.713+/-0.042 χ^2/NDF:99403.4/32

All: 114.801+/-0.030 χ^2/NDF: 191996.2/61



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -44.367+/-0.599 χ^2/NDF:929.1/13

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -45.172+/-0.605 χ^2/NDF:743.0/12

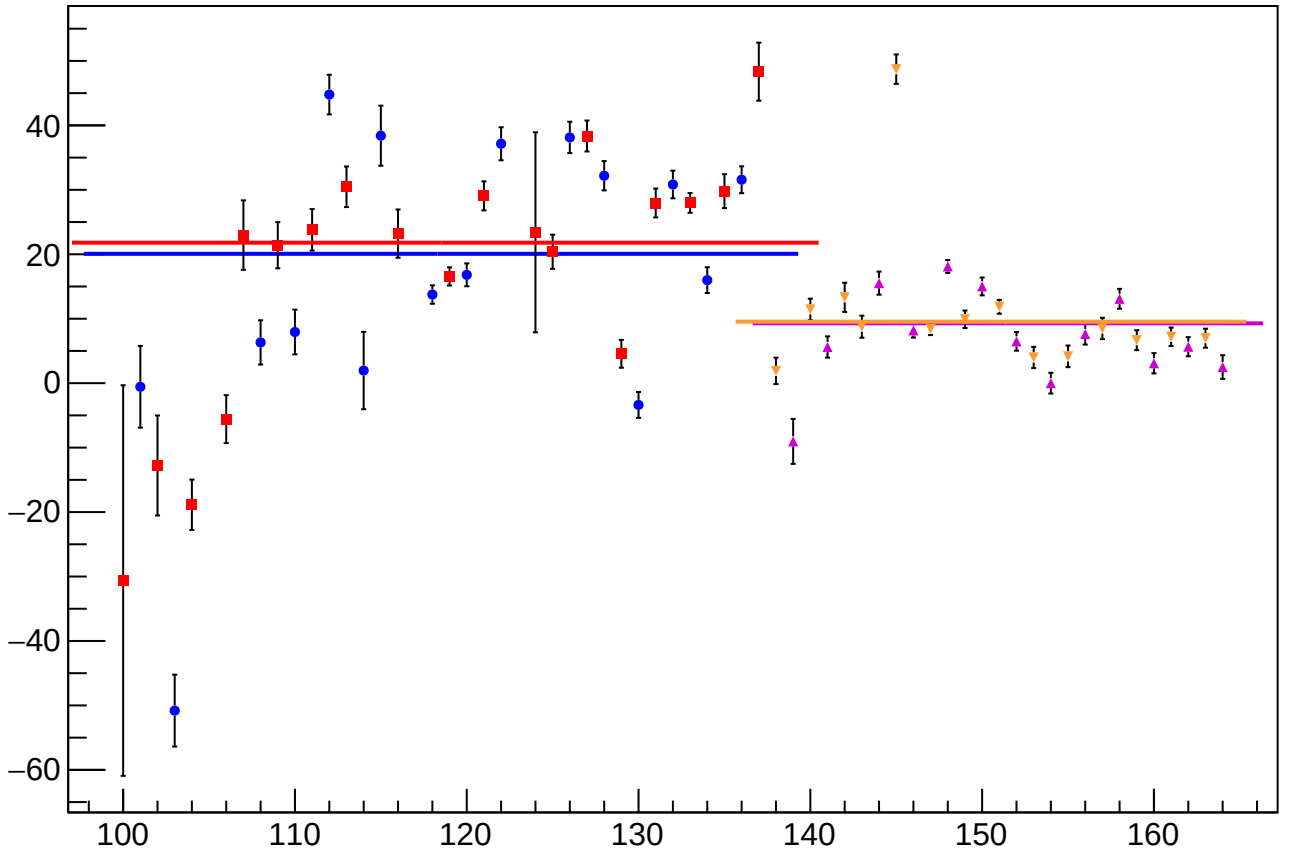
Left: -44.766+/-0.426 χ^2/NDF: 1673.0/26

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -47.569+/-0.429 χ^2/NDF:2102.1/28

Out: -48.251+/-0.426 χ^2/NDF:2584.2/32

All: -47.913+/-0.302 χ^2/NDF: 4687.5/61



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 9.545+/-0.400 χ^2/NDF:349.1/13

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 9.282+/-0.412 χ^2/NDF:220.3/12

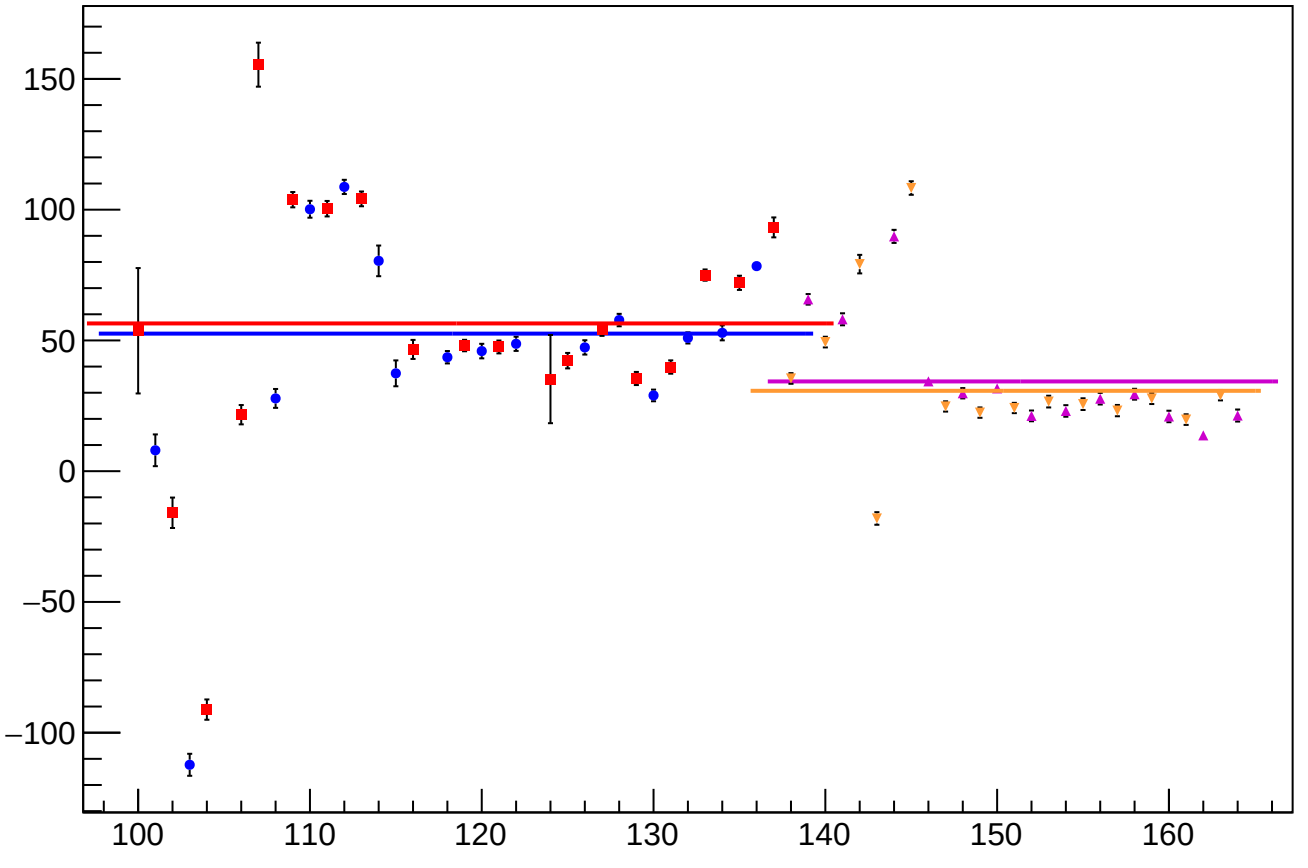
Left: 9.417+/-0.287 χ^2/NDF: 569.6/26

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 12.644+/-0.342 χ^2/NDF:1070.5/28

Out: 13.132+/-0.337 χ^2/NDF:1020.0/32

All: 12.892+/-0.240 χ^2/NDF: 2091.6/61



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 30.733+/-0.579 χ^2/NDF:1668.4/13

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 34.319+/-0.581 χ^2/NDF:1120.7/12

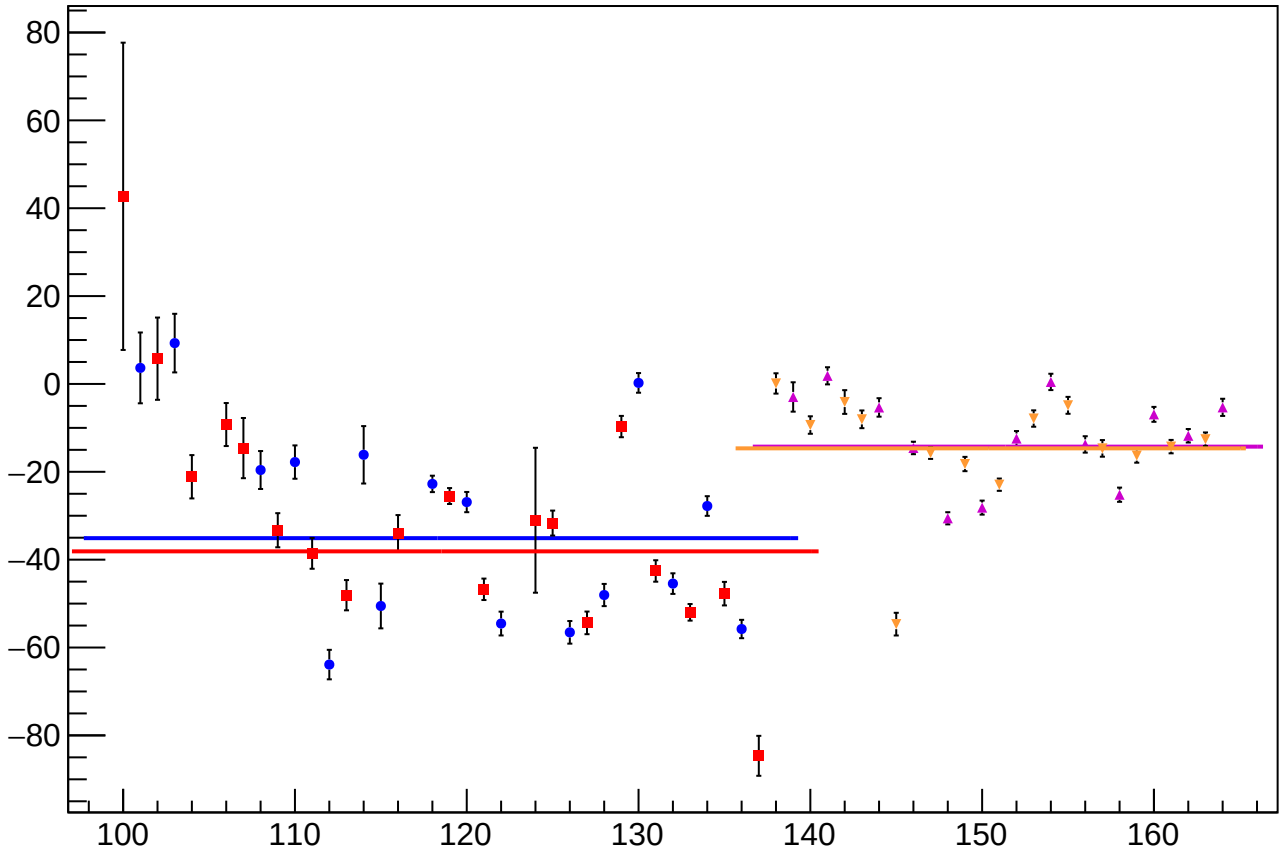
Left: 32.519+/-0.410 χ^2/NDF: 2808.3/26

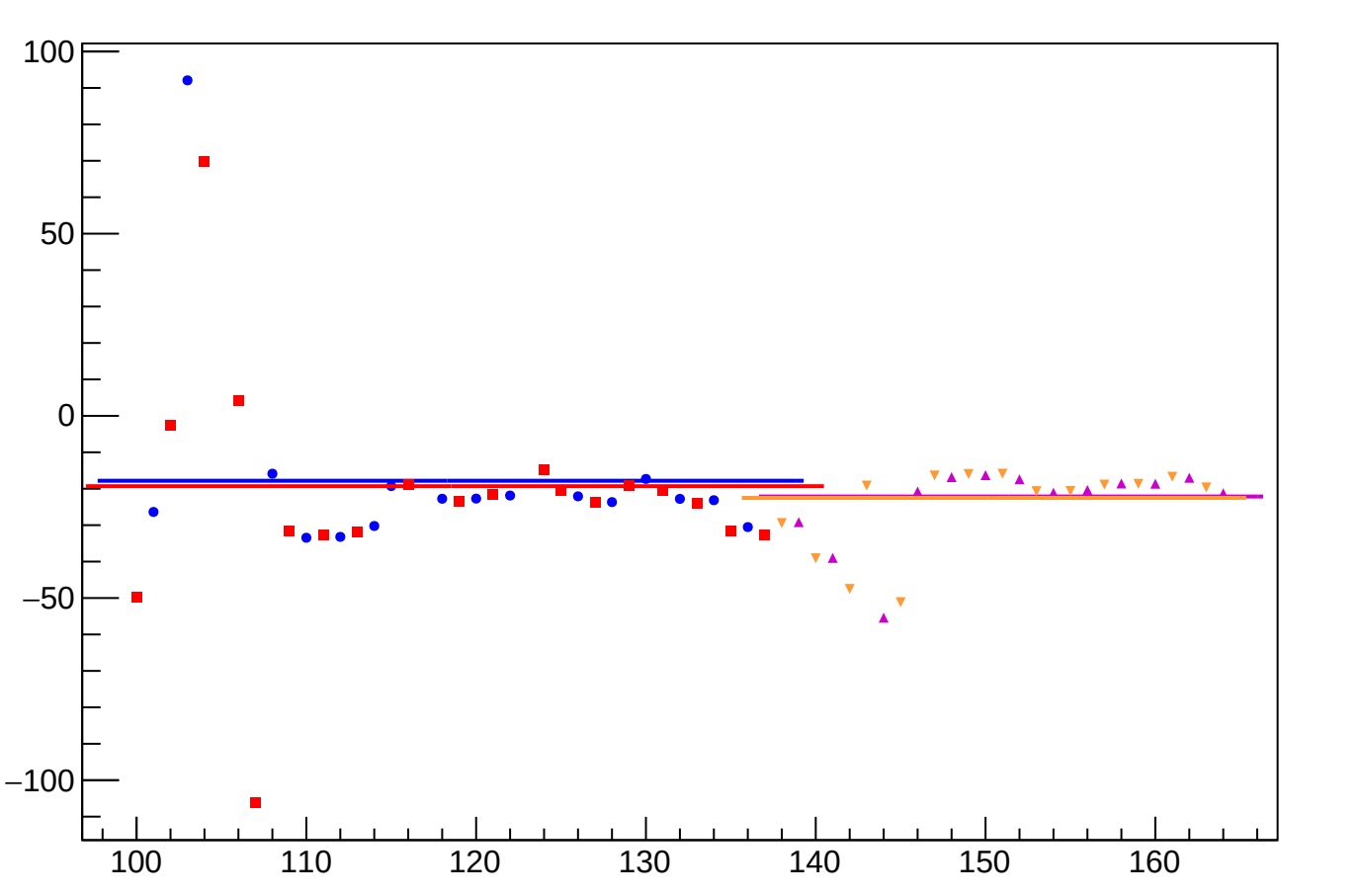
Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 41.832+/-0.446 χ^2/NDF:4186.4/28

Out: 41.111+/-0.448 χ^2/NDF:5430.7/32

All: 41.473+/-0.316 χ^2/NDF: 9618.4/61


reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: -35.104+/-0.700 χ²/NDF: 773.2/15
Left Out: -14.661+/-0.472 χ²/NDF:396.2/13
Right Out: -38.109+/-0.714 χ²/NDF: 514.6/18
Left In: -14.270+/-0.481 χ²/NDF:463.4/12
Left: -14.470+/-0.337 χ²/NDF: 860.0/26
Right: -36.577+/-0.500 χ²/NDF: 1296.8/34
In: -20.958+/-0.397 χ²/NDF:1837.8/28
Out: -21.796+/-0.394 χ²/NDF:1661.4/32
All: -21.380+/-0.279 χ²/NDF: 3501.5/61



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -22.513+/-0.022 χ^2/NDF:183385.7/13

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -22.139+/-0.022 χ^2/NDF:155082.4/12

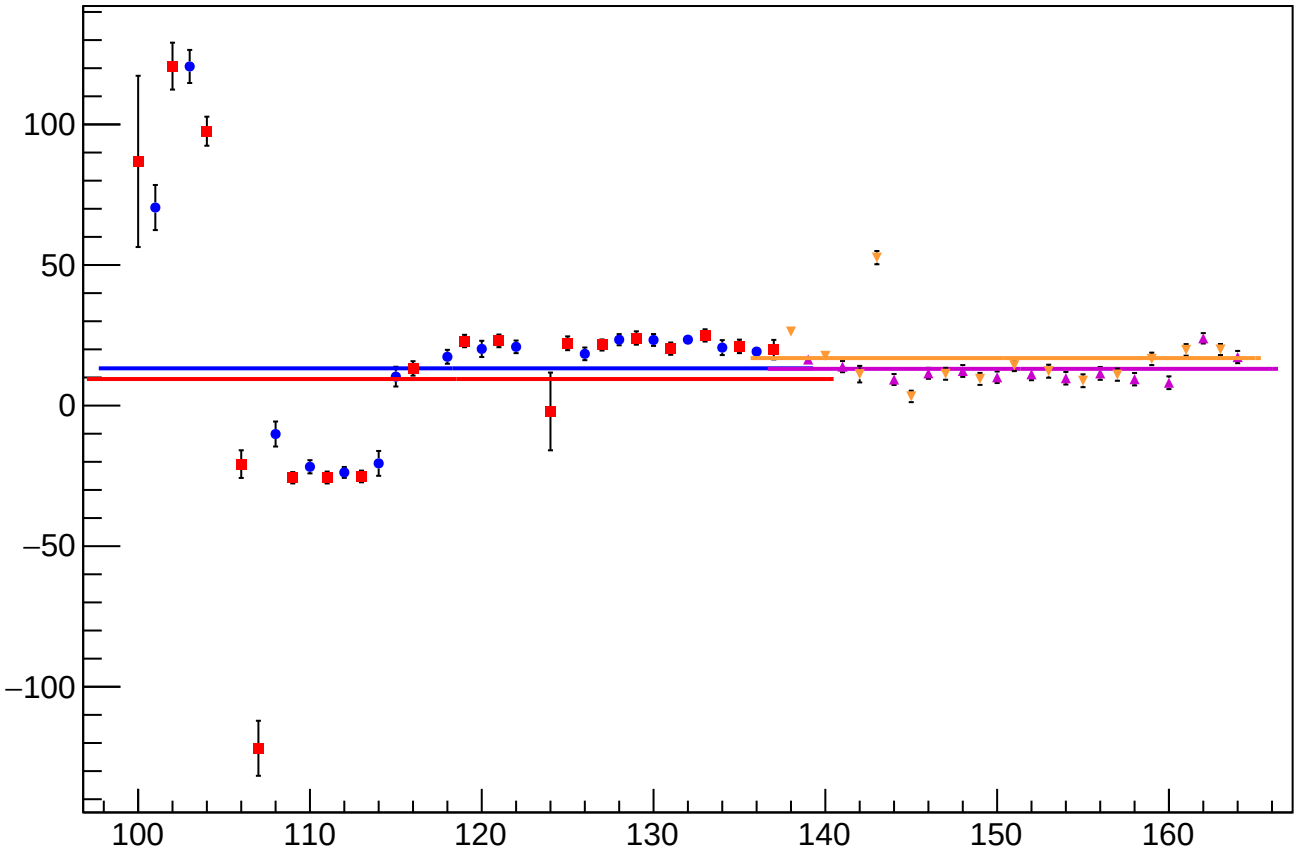
Left: -22.325+/-0.015 χ^2/NDF: 338614.9/26

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -21.267+/-0.019 χ^2/NDF:589164.7/28

Out: -21.924+/-0.020 χ^2/NDF:531951.8/32

All: -21.589+/-0.014 χ^2/NDF: 1121679.0/61



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 16.896+/-0.565 χ^2/NDF:354.6/13

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 13.068+/-0.569 χ^2/NDF:60.1/12

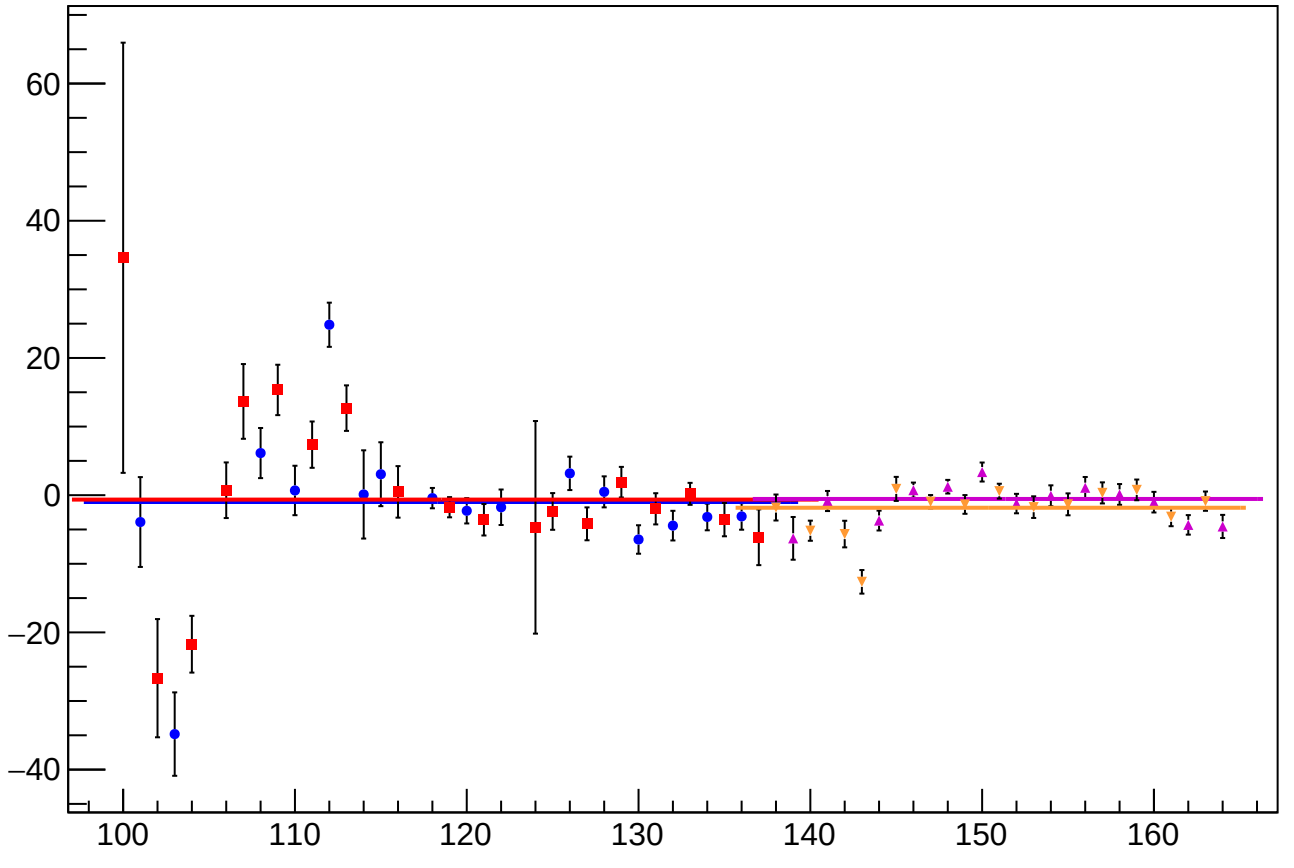
Left: 14.996+/-0.401 χ^2/NDF: 437.5/26

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 13.152+/-0.417 χ^2/NDF:1242.6/28

Out: 13.491+/-0.416 χ^2/NDF:2270.8/32

All: 13.322+/-0.295 χ^2/NDF: 3513.7/61



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.833+/-0.384 χ^2/NDF:63.3/13

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -0.551+/-0.393 χ^2/NDF:35.2/12

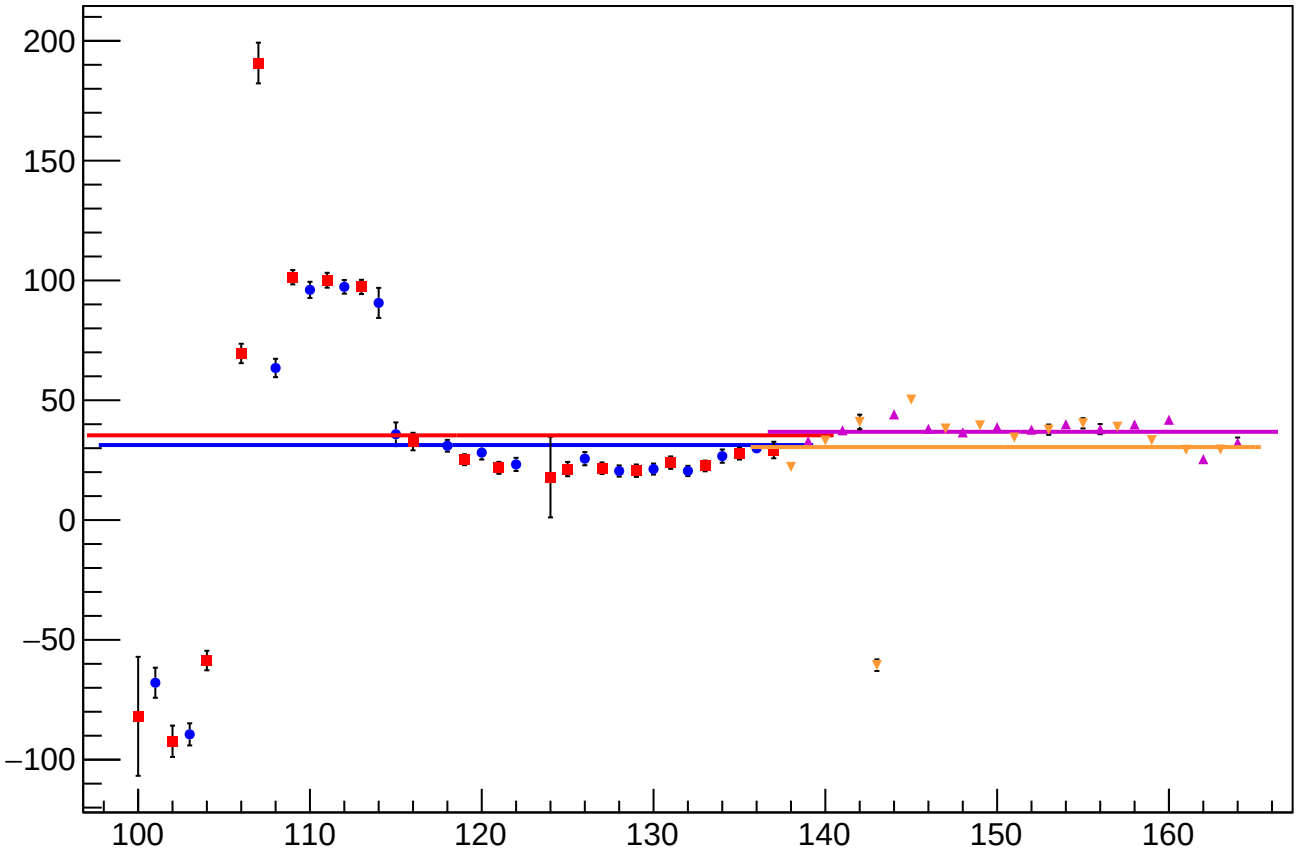
Left: -1.209+/-0.275 χ^2/NDF: 103.9/26

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.679+/-0.332 χ^2/NDF:151.9/28

Out: -1.516+/-0.328 χ^2/NDF:160.1/32

All: -1.102+/-0.234 χ^2/NDF: 315.2/61



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.454+/-0.548 χ^2/NDF:1625.6/13

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 36.836+/-0.549 χ^2/NDF:76.1/12

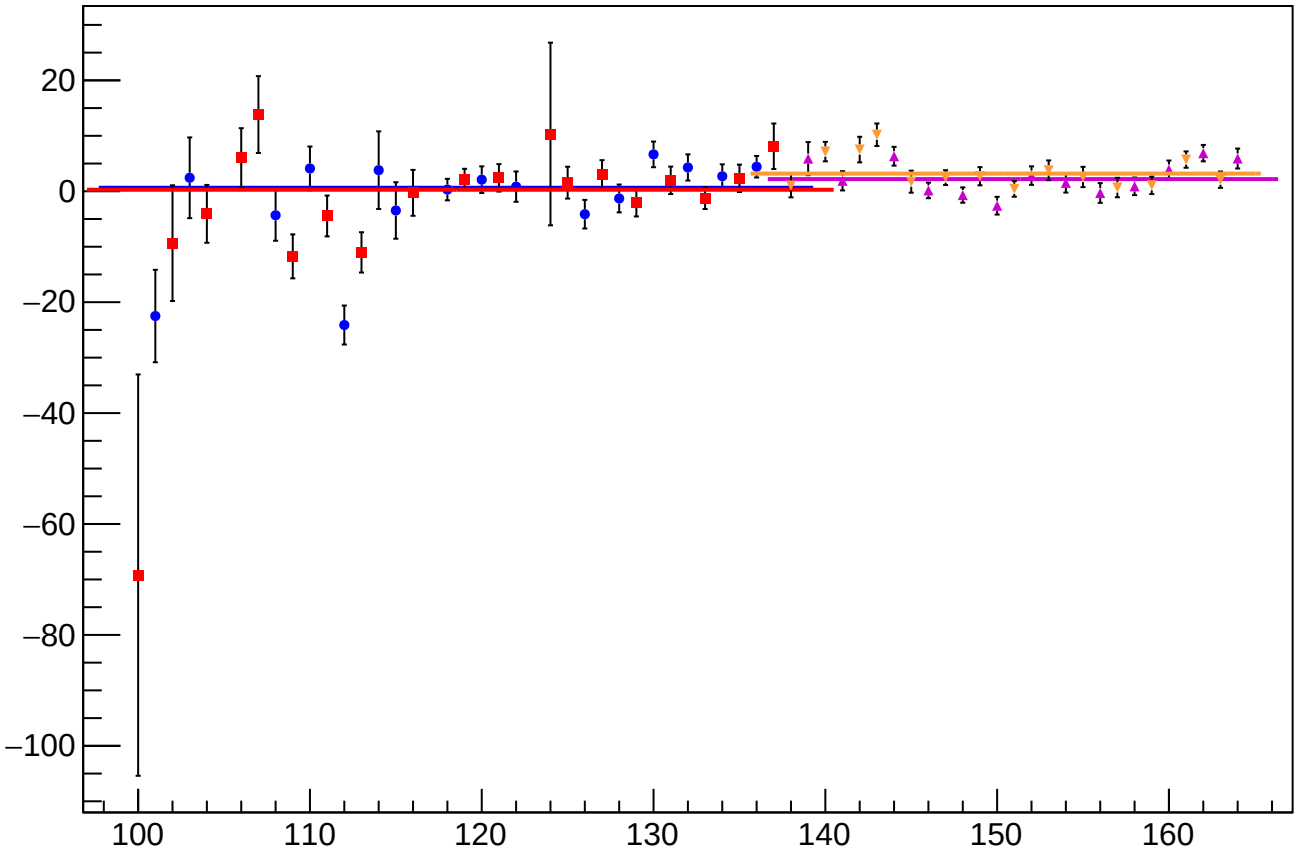
Left: 33.637+/-0.388 χ^2/NDF: 1769.4/26

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 34.731+/-0.432 χ^2/NDF:2200.6/28

Out: 32.264+/-0.435 χ^2/NDF:4552.9/32

All: 33.507+/-0.307 χ^2/NDF: 6769.7/61



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.187+/-0.451 χ^2/NDF:33.9/13

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.194+/-0.459 χ^2/NDF:41.3/12

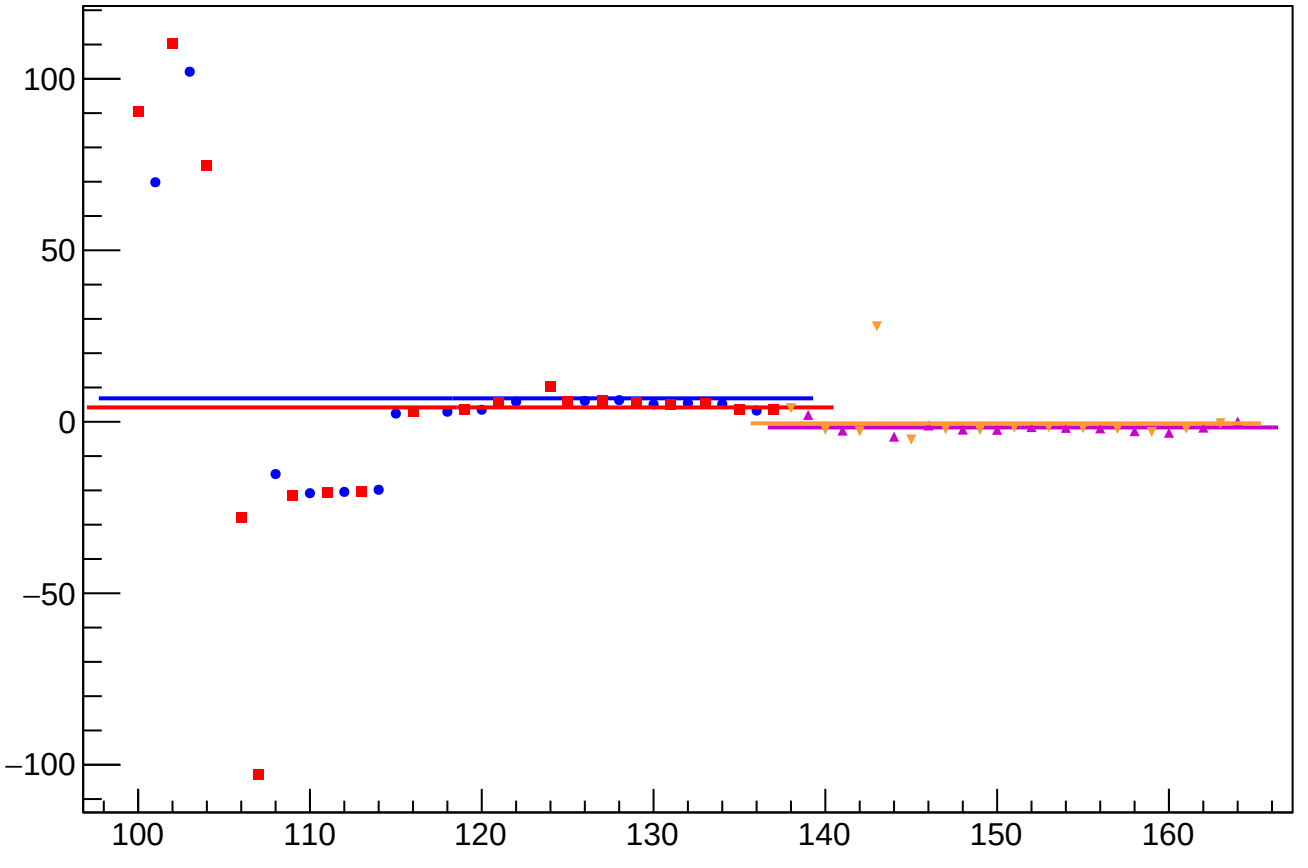
Left: 2.699+/-0.321 χ^2/NDF: 77.6/26

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.729+/-0.384 χ^2/NDF:123.2/28

Out: 2.377+/-0.383 χ^2/NDF:86.0/32

All: 2.054+/-0.271 χ^2/NDF: 210.6/61



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: -0.437+/-0.021 χ^2/NDF:90786.1/13

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -1.643+/-0.021 χ^2/NDF:5554.7/12

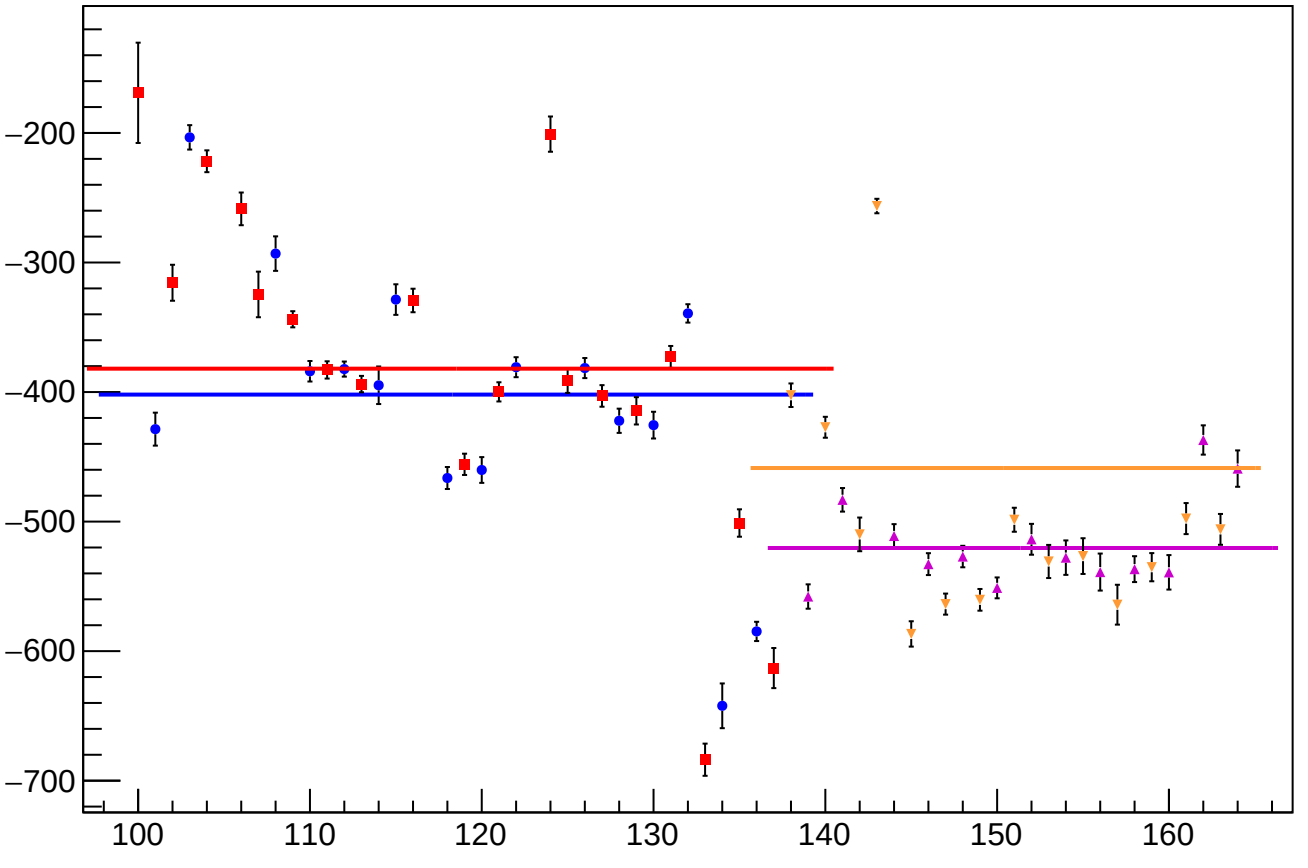
Left: -1.043+/-0.015 χ^2/NDF: 98052.2/26

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: -0.055+/-0.019 χ^2/NDF:358356.1/28

Out: 0.333+/-0.019 χ^2/NDF:533660.0/32

All: 0.135+/-0.013 χ^2/NDF: 892230.9/61



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -458.642+/-2.541 χ^2/NDF:2062.8/13

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -520.382+/-2.823 χ^2/NDF:131.4/12

Left: -486.273+/-1.888 χ^2/NDF: 2458.5/26

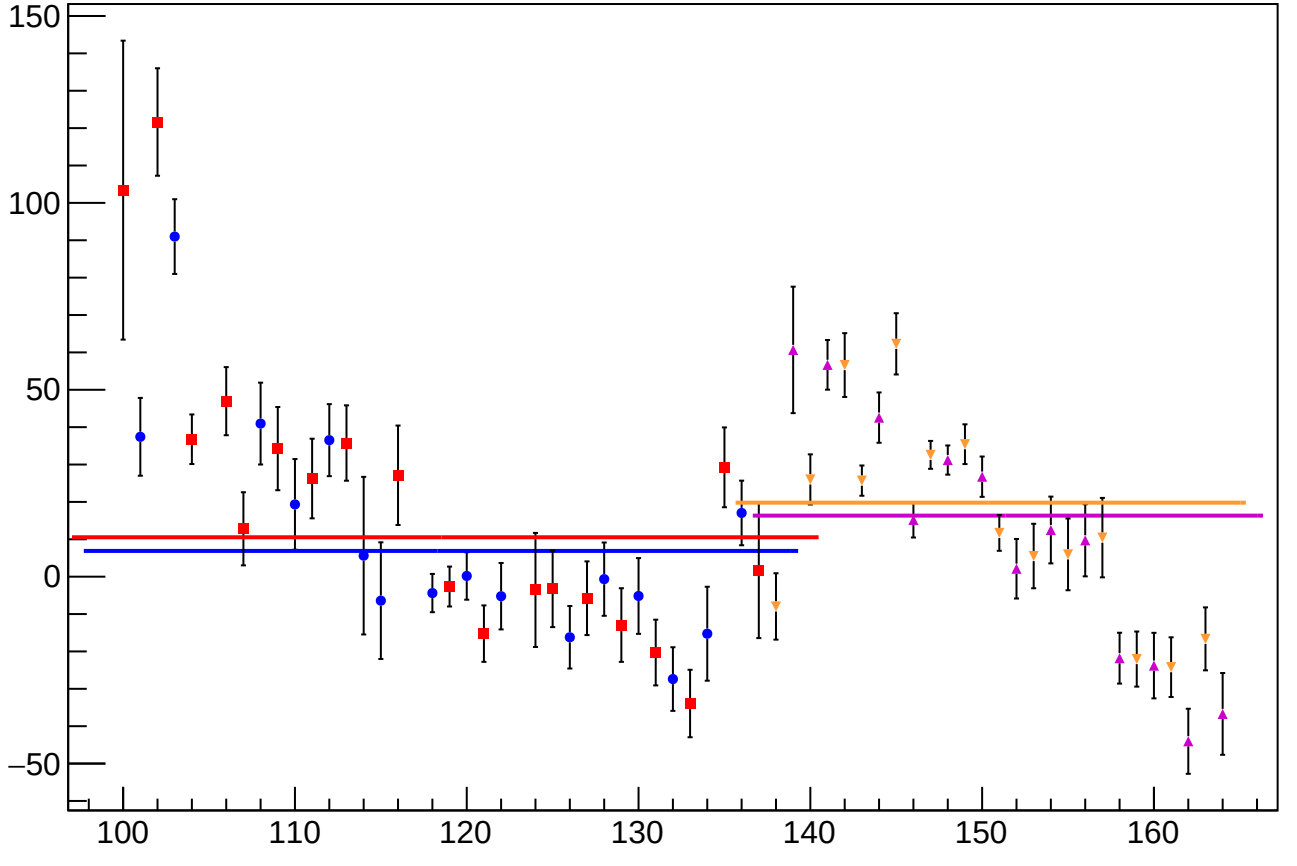
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -447.617+/-1.753 χ^2/NDF:2776.0/28

Out: -413.504+/-1.630 χ^2/NDF:4416.5/32

All: -429.321+/-1.194 χ^2/NDF: 7395.6/61

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 19.798+/-1.674 χ^2/NDF:168.4/13

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 16.334+/-1.862 χ^2/NDF:205.1/12

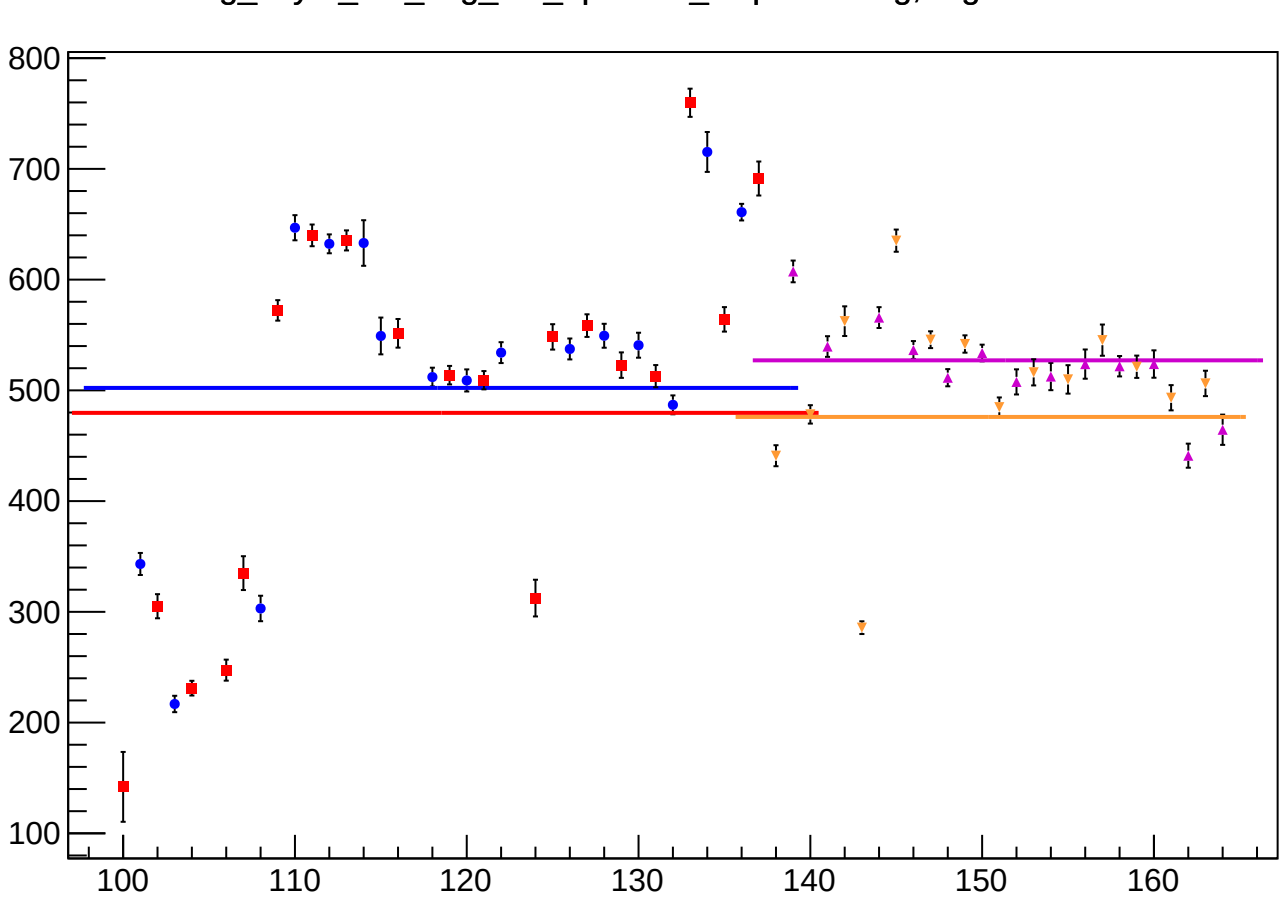
Left: 18.250+/-1.245 χ^2/NDF: 375.3/26

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 12.523+/-1.438 χ^2/NDF:353.9/28

Out: 16.398+/-1.332 χ^2/NDF:359.6/32

All: 14.610+/-0.977 χ^2/NDF: 717.4/61



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 476.003+/-2.488 χ^2/NDF:1633.9/13

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 527.105+/-2.722 χ^2/NDF:180.4/12

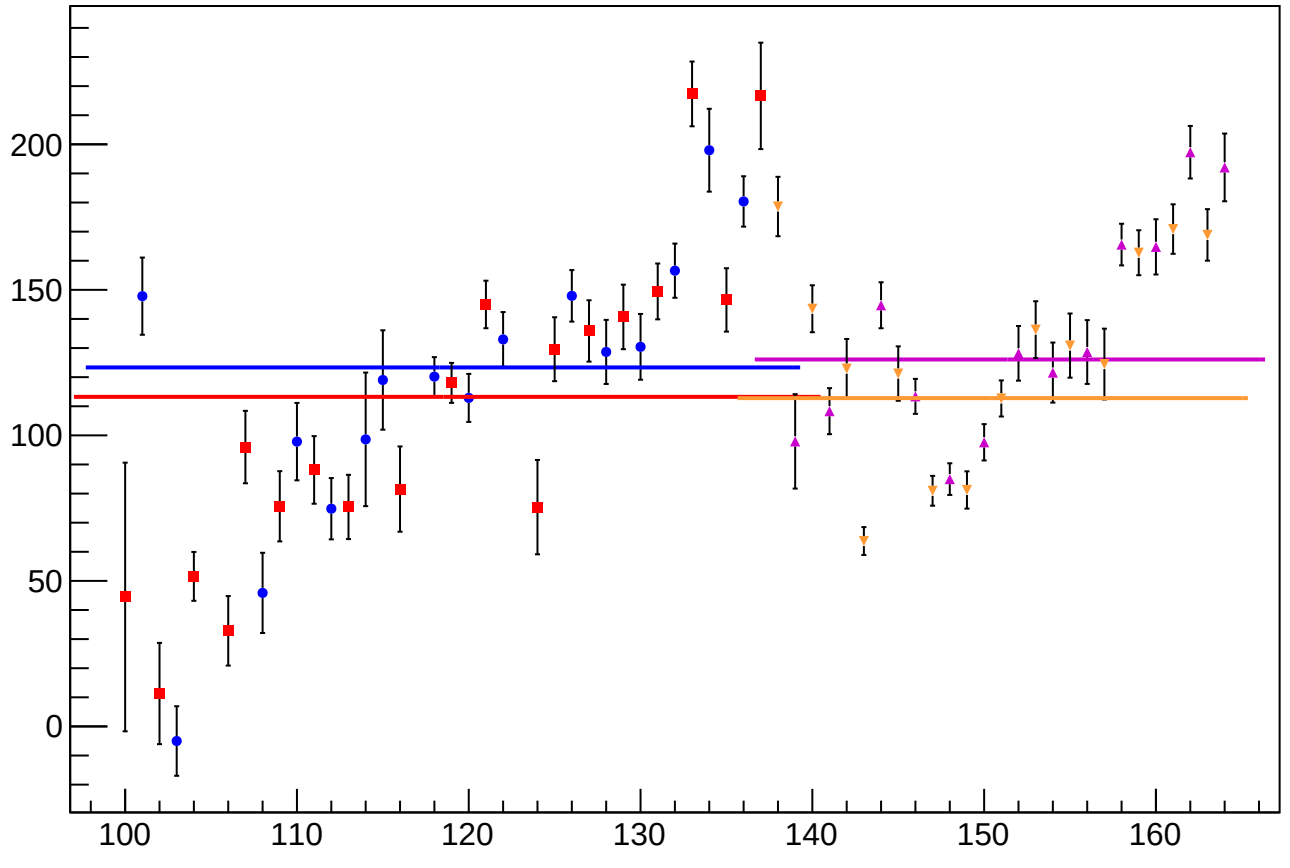
Left: 499.269+/-1.837 χ^2/NDF: 2006.3/26

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 513.568+/-1.838 χ^2/NDF:3361.1/28

Out: 477.908+/-1.727 χ^2/NDF:5773.5/32

All: 494.627+/-1.259 χ^2/NDF: 9334.5/61



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 112.803+/-2.013 χ^2/NDF:364.0/13

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 126.073+/-2.223 χ^2/NDF:237.8/12

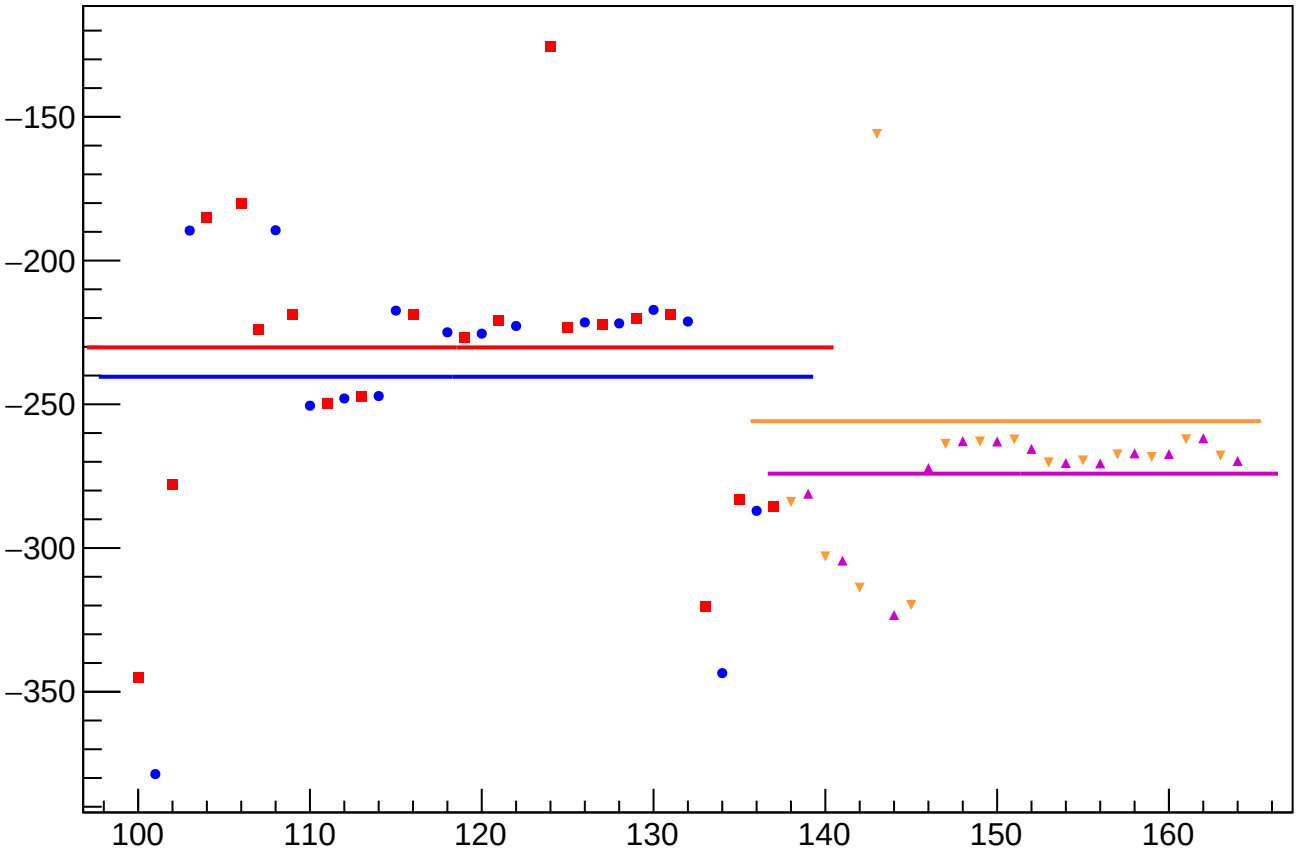
Left: 118.781+/-1.492 χ^2/NDF: 621.3/26

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 124.934+/-1.697 χ^2/NDF:509.8/28

Out: 112.969+/-1.579 χ^2/NDF:709.7/32

All: 118.520+/-1.156 χ^2/NDF: 1246.2/61



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -255.859+/-0.098 χ^2/NDF:239460.2/13

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -274.128+/-0.104 χ^2/NDF:25260.9/12

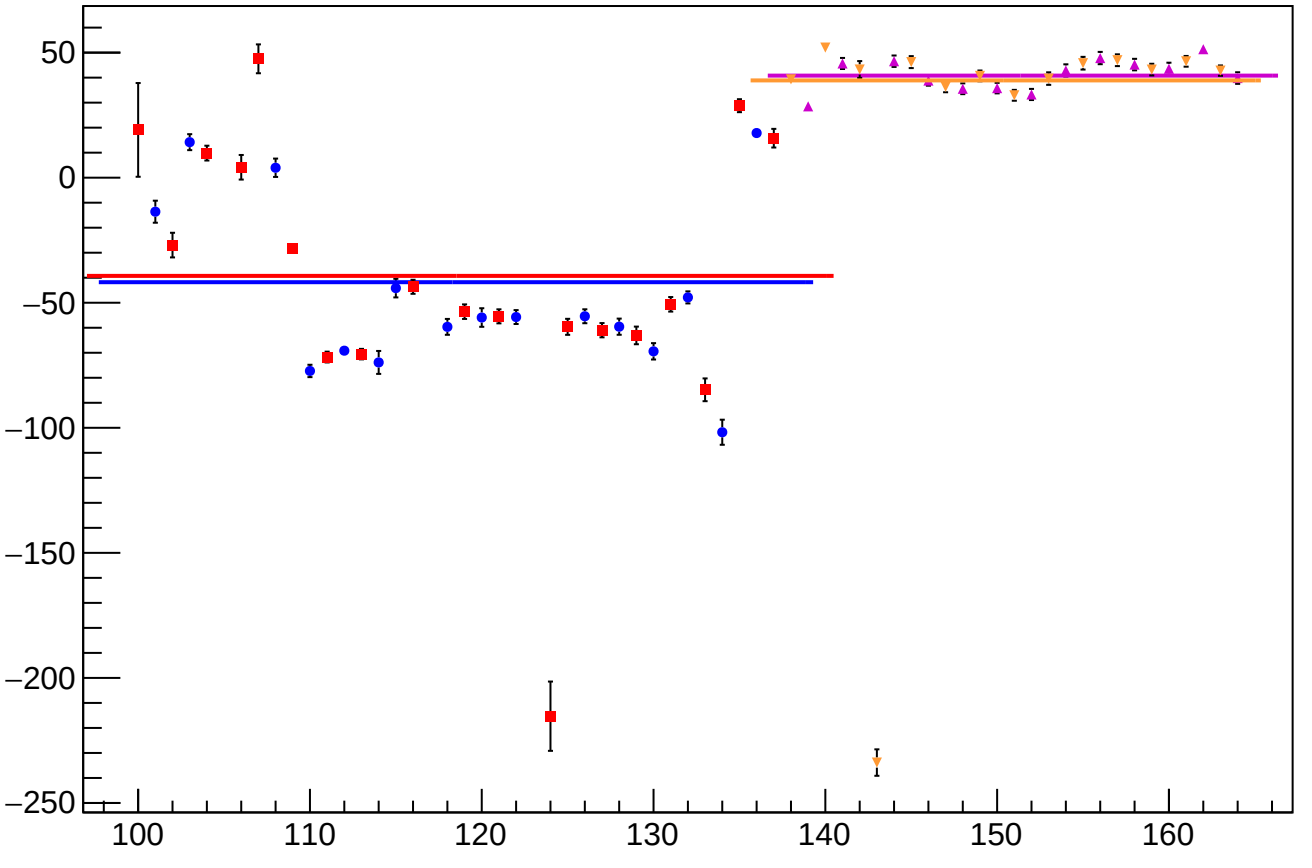
Left: -264.426+/-0.071 χ^2/NDF: 280984.9/26

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -263.187+/-0.086 χ^2/NDF:193264.4/28

Out: -247.918+/-0.082 χ^2/NDF:344061.7/32

All: -255.161+/-0.059 χ^2/NDF: 553972.1/61



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 38.890+/-0.621 χ^2/NDF:2762.7/13

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 40.806+/-0.609 χ^2/NDF:120.0/12

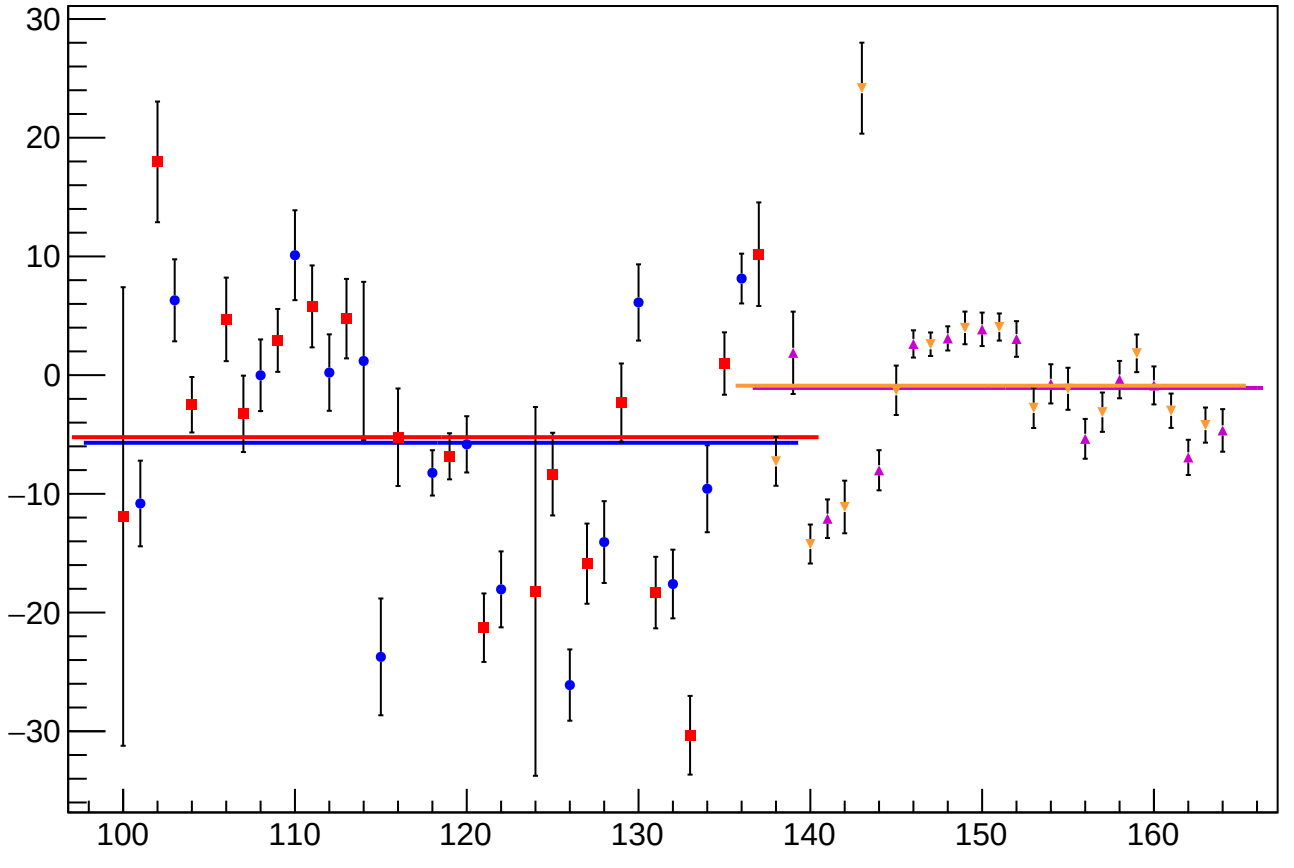
Left: 39.867+/-0.435 χ^2/NDF: 2887.6/26

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 6.524+/-0.466 χ^2/NDF:10156.2/28

Out: 3.324+/-0.458 χ^2/NDF:12446.7/32

All: 4.898+/-0.327 χ^2/NDF: 22626.8/61



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.888+/-0.416 χ^2/NDF:196.5/13

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -1.078+/-0.417 χ^2/NDF:136.6/12

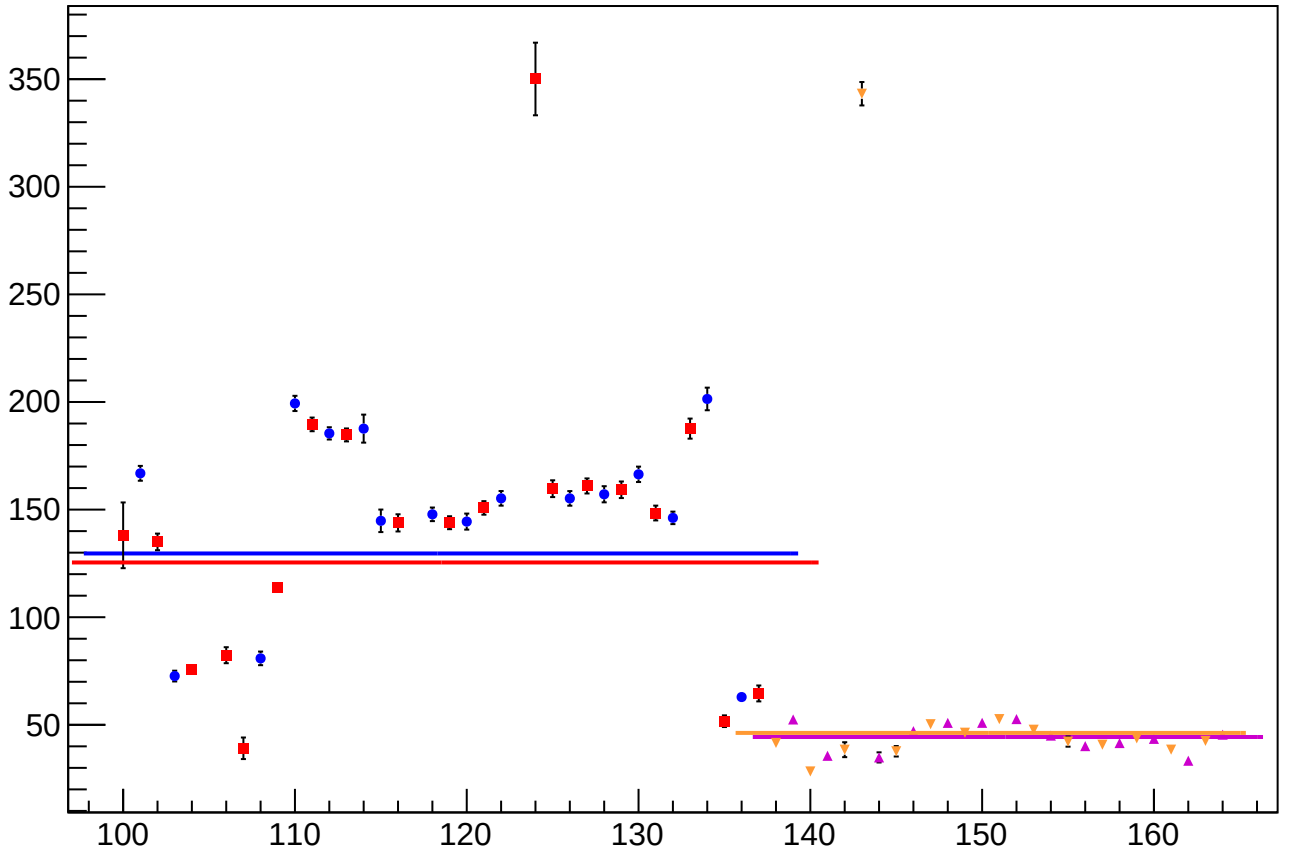
Left: -0.983+/-0.294 χ^2/NDF: 333.2/26

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -2.161+/-0.365 χ^2/NDF:362.2/28

Out: -1.929+/-0.362 χ^2/NDF:420.0/32

All: -2.045+/-0.257 χ^2/NDF: 782.3/61



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 46.245+/-0.600 χ^2/NDF:3125.0/13

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 44.347+/-0.587 χ^2/NDF:127.7/12

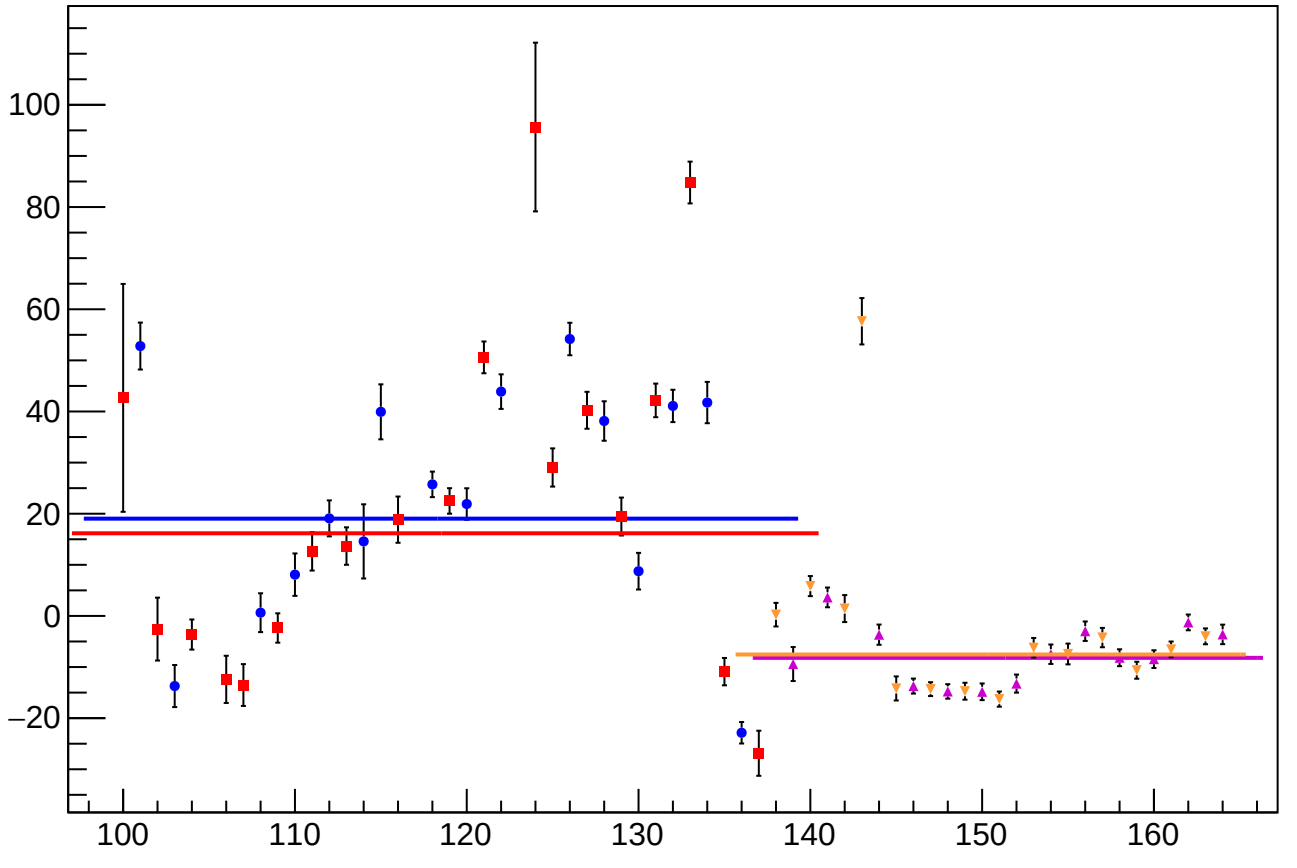
Left: 45.275+/-0.419 χ^2/NDF: 3257.9/26

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 74.136+/-0.473 χ^2/NDF:11133.4/28

Out: 75.194+/-0.478 χ^2/NDF:13006.2/32

All: 74.661+/-0.336 χ^2/NDF: 24142.1/61



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -7.543+/-0.490 χ^2/NDF:375.1/13

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -8.200+/-0.487 χ^2/NDF:137.0/12

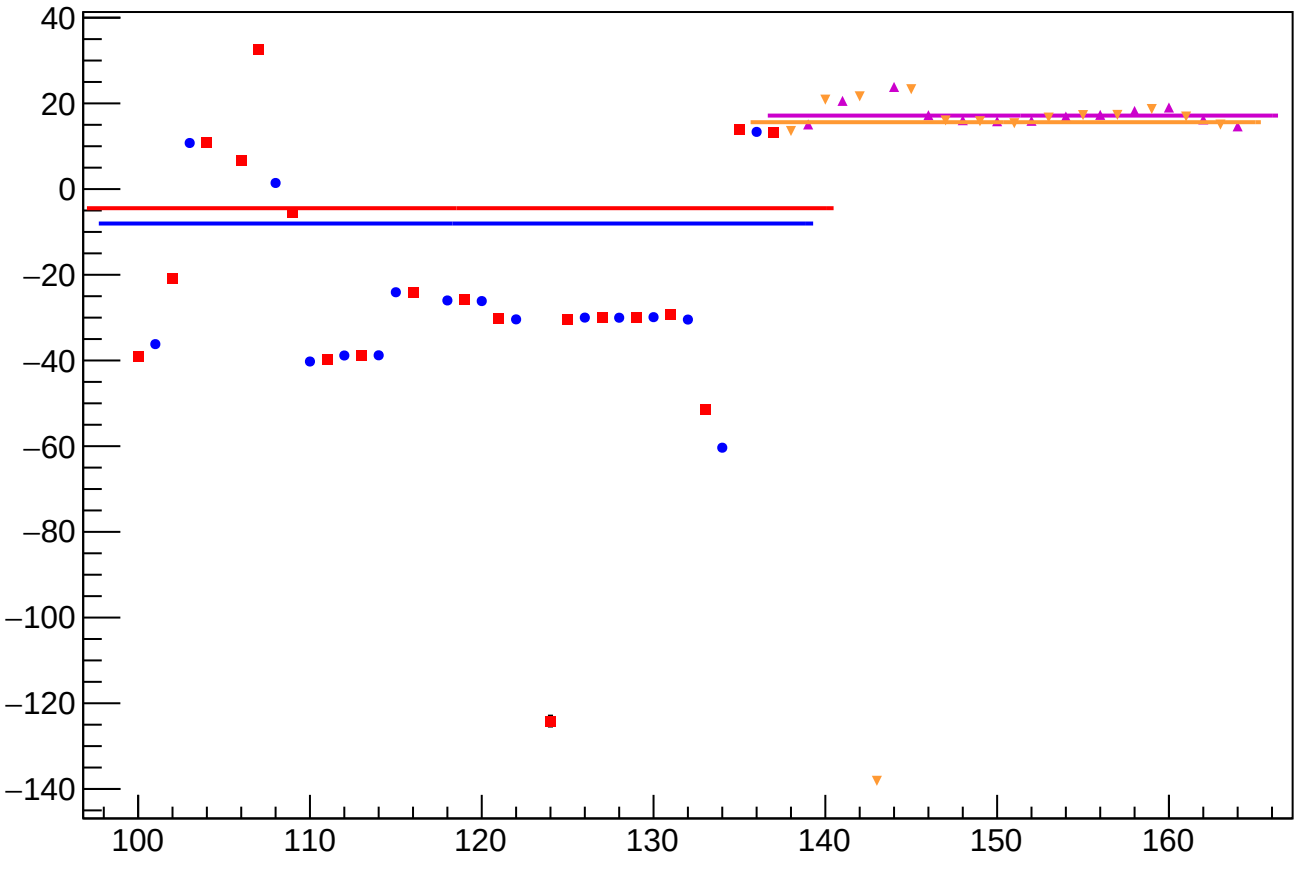
Left: -7.874+/-0.345 χ^2/NDF: 512.9/26

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -1.590+/-0.424 χ^2/NDF:1754.7/28

Out: -1.593+/-0.424 χ^2/NDF:1905.1/32

All: -1.592+/-0.300 χ^2/NDF: 3659.8/61



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.610+/-0.023 χ^2/NDF:476182.7/13

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 17.153+/-0.022 χ^2/NDF:8755.7/12

Left: 16.403+/-0.016 χ^2/NDF: 487339.7/26

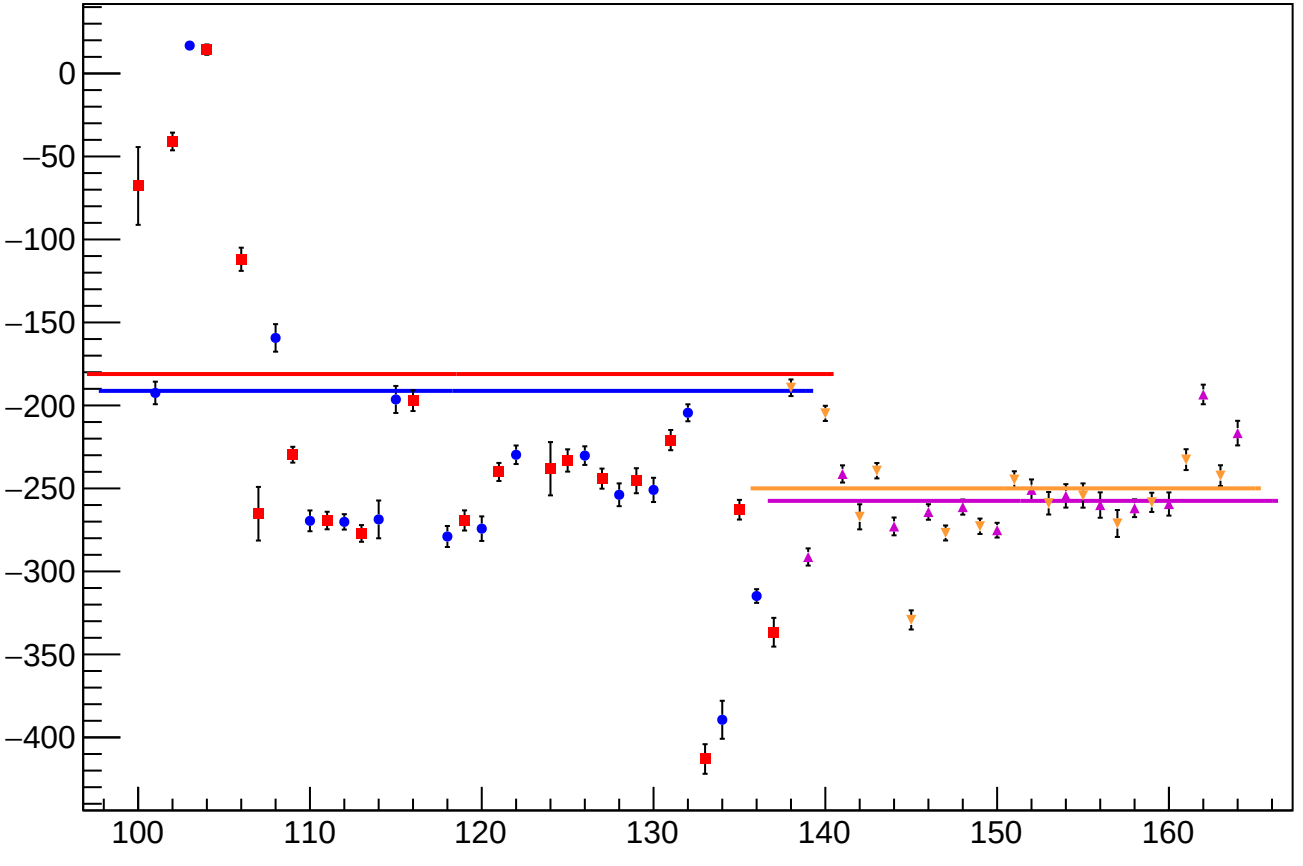
Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 12.448+/-0.020 χ^2/NDF:522362.8/28

Out: 11.822+/-0.020 χ^2/NDF:853829.0/32

All: 12.143+/-0.014 χ^2/NDF: 1376678.0/61

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -249.955+/-1.486 χ^2/NDF:524.3/13

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -257.497+/-1.546 χ^2/NDF:229.4/12

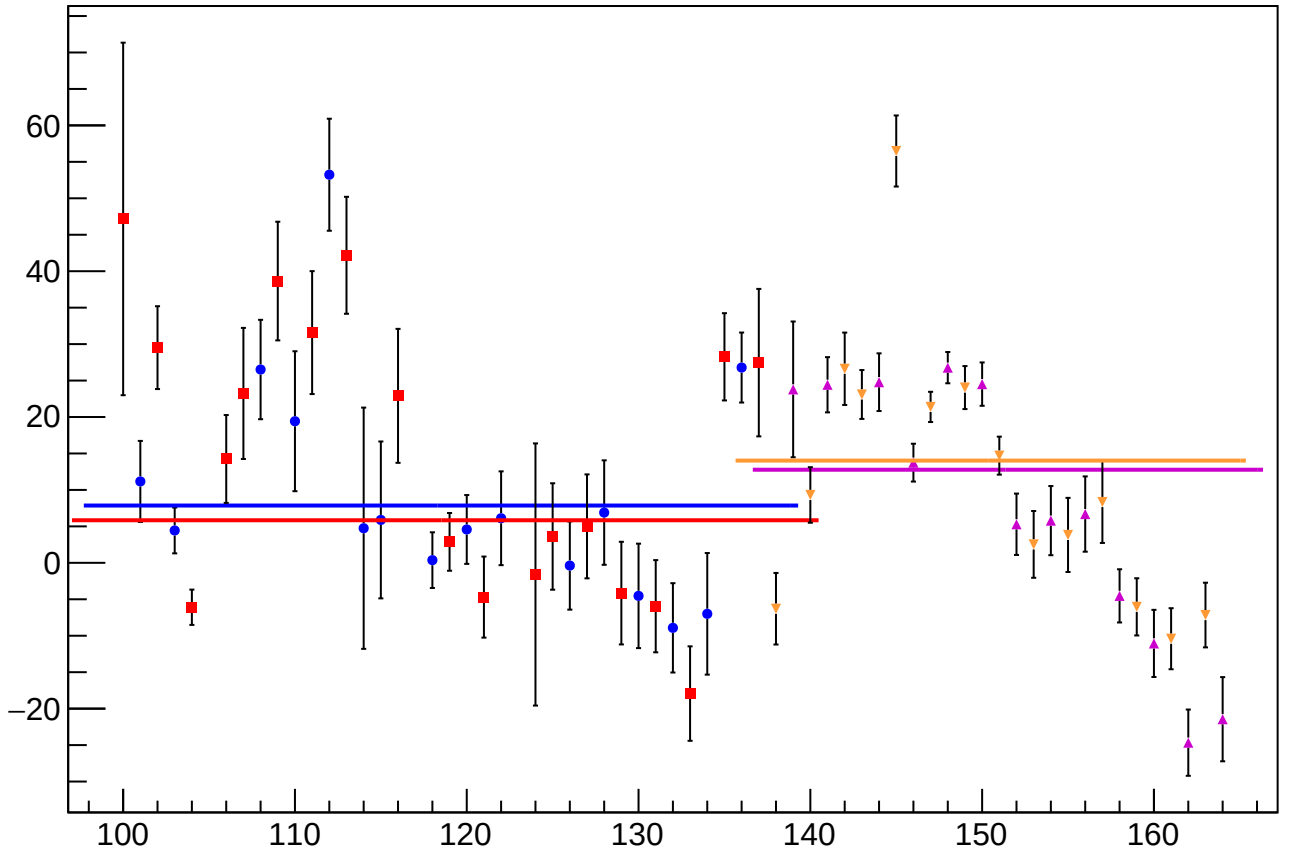
Left: -253.577+/-1.071 χ^2/NDF: 766.1/26

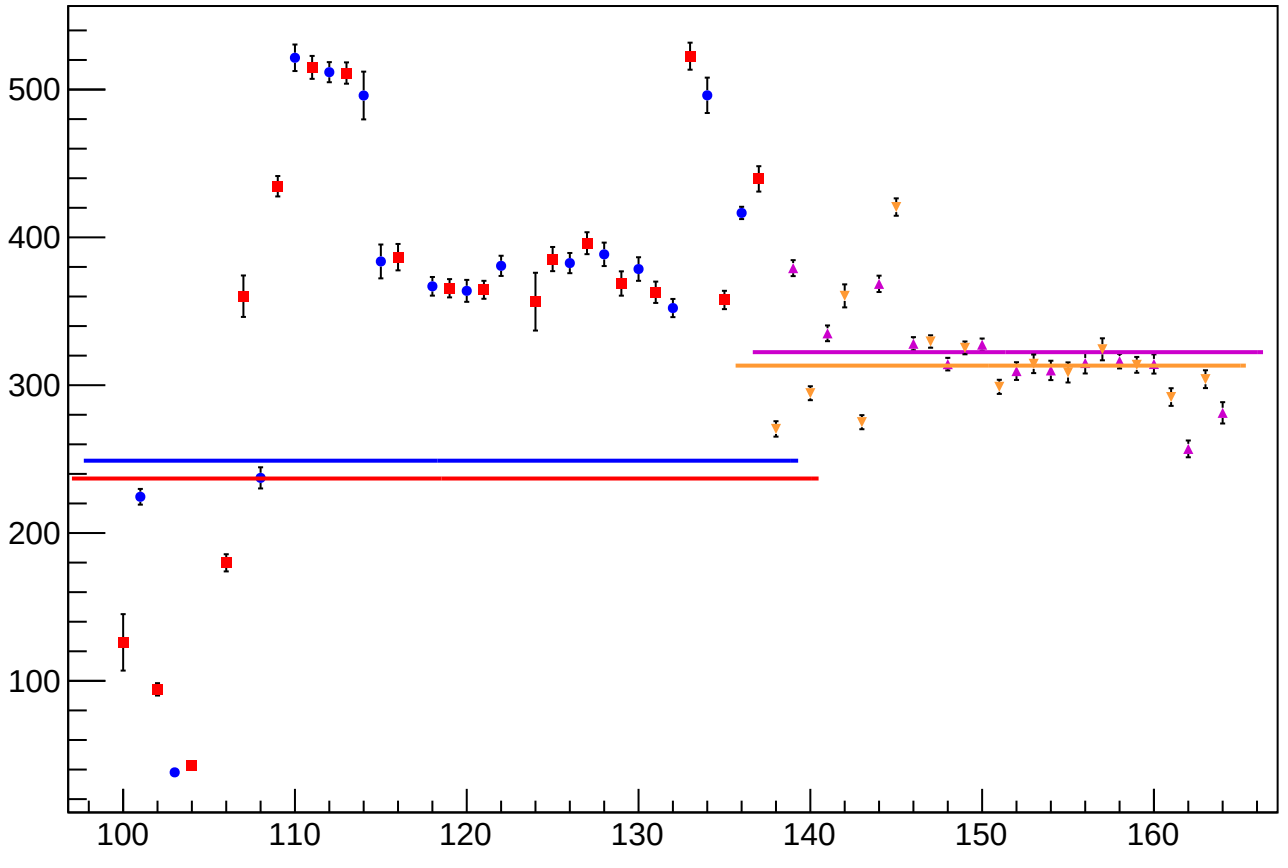
Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -221.522+/-1.045 χ^2/NDF:8451.9/28

Out: -213.041+/-1.012 χ^2/NDF:9050.0/32

All: -217.145+/-0.727 χ^2/NDF: 17535.8/61


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 7.859+/-1.438 χ²/NDF: 80.9/15
Left Out: 14.025+/-0.968 χ²/NDF:226.9/13
Right Out: 5.839+/-1.355 χ²/NDF: 141.9/18
Left In: 12.770+/-1.019 χ²/NDF:237.4/12
Left: 13.430+/-0.702 χ²/NDF: 465.1/26
Right: 6.789+/-0.986 χ²/NDF: 223.8/34
In: 11.128+/-0.831 χ²/NDF:326.1/28
Out: 11.261+/-0.788 χ²/NDF:392.9/32
All: 11.198+/-0.572 χ²/NDF: 719.0/61



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 313.253+/-1.444 χ^2/NDF:565.8/13

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 322.349+/-1.488 χ^2/NDF:370.5/12

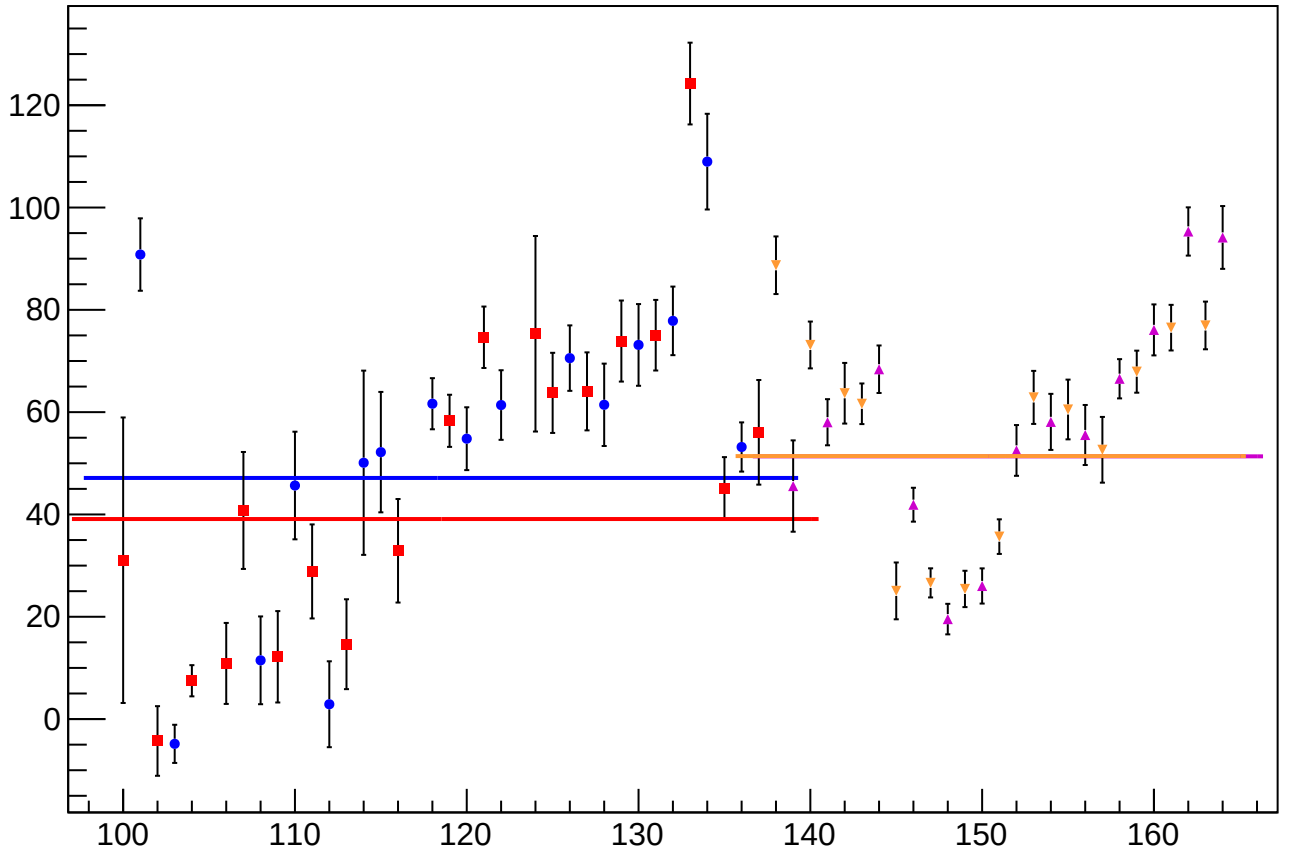
Left: 317.664+/-1.036 χ^2/NDF: 955.5/26

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 283.973+/-1.028 χ^2/NDF:16945.5/28

Out: 274.073+/-1.007 χ^2/NDF:17659.1/32

All: 278.924+/-0.719 χ^2/NDF: 34651.9/61



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 51.409+/-1.162 χ^2/NDF:336.0/13

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 51.360+/-1.214 χ^2/NDF:369.8/12

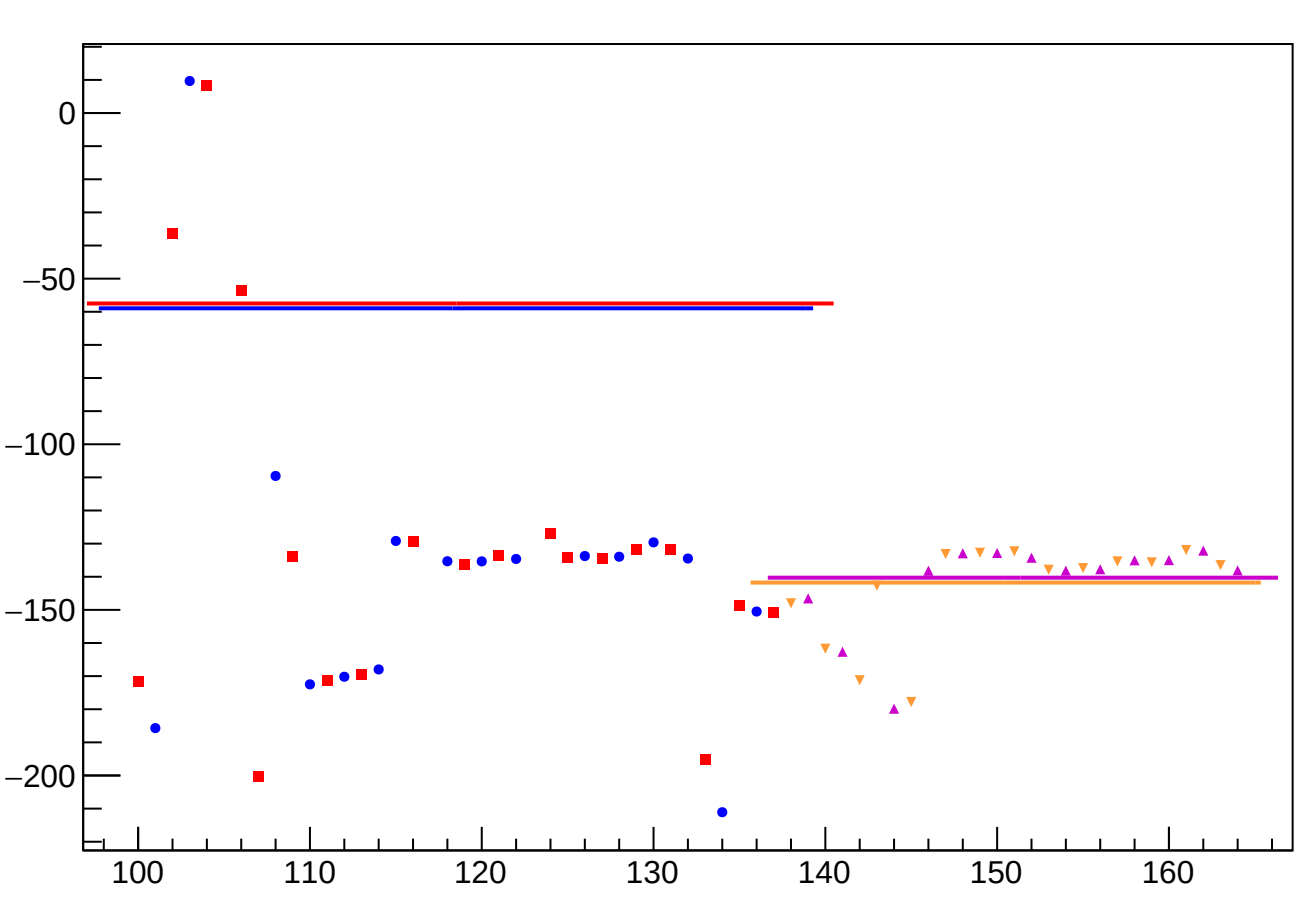
Left: 51.386+/-0.840 χ^2/NDF: 705.9/26

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 49.898+/-0.981 χ^2/NDF:759.3/28

Out: 47.144+/-0.940 χ^2/NDF:791.3/32

All: 48.461+/-0.679 χ^2/NDF: 1554.8/61



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -141.761+/-0.056 χ^2/NDF:54635.2/13

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -140.282+/-0.057 χ^2/NDF:44974.5/12

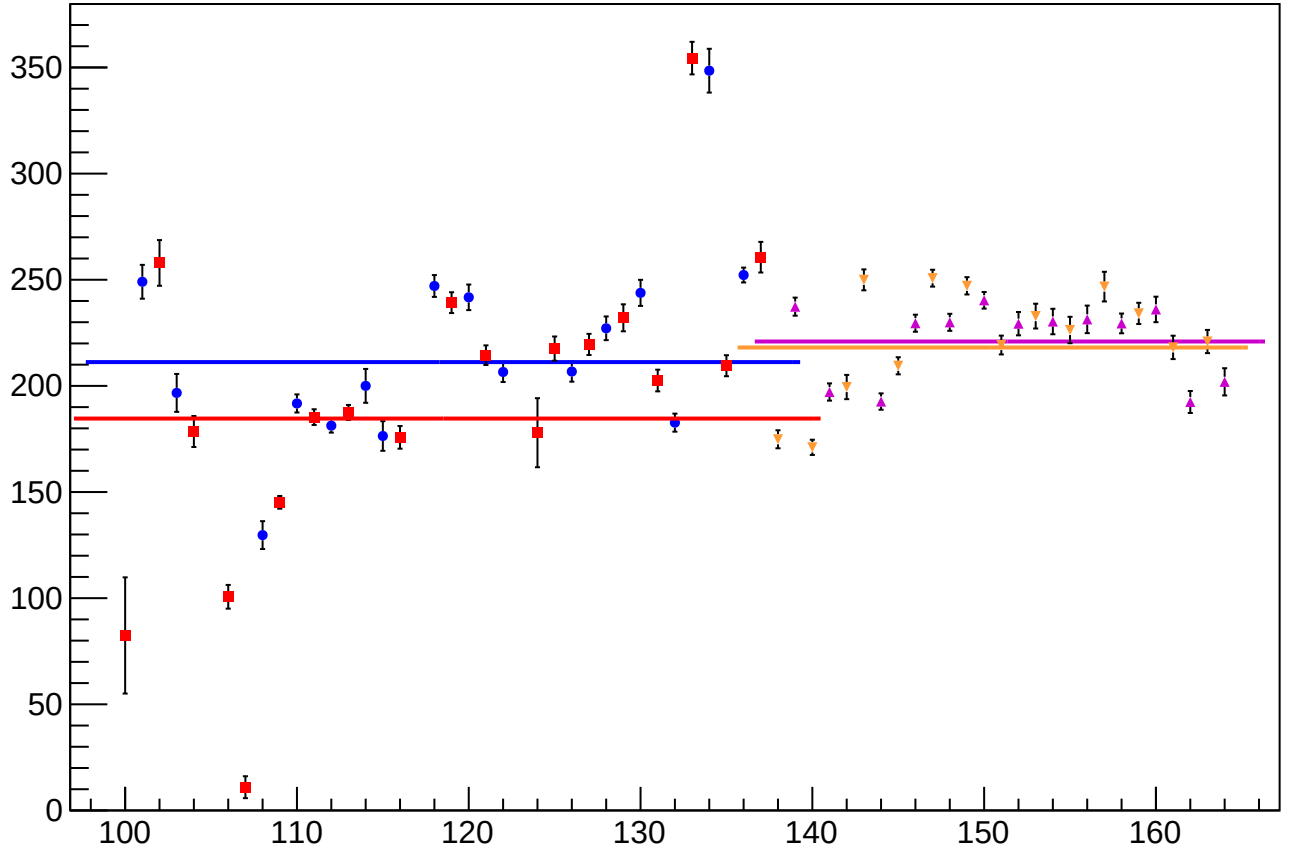
Left: -141.028+/-0.040 χ^2/NDF: 99952.0/26

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -109.402+/-0.045 χ^2/NDF:2050264.4/28

Out: -111.027+/-0.045 χ^2/NDF:1743868.1/32

All: -110.212+/-0.032 χ^2/NDF: 3794790.7/61



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 218.084+/-1.267 χ^2/NDF:487.0/13

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 220.912+/-1.298 χ^2/NDF:193.6/12

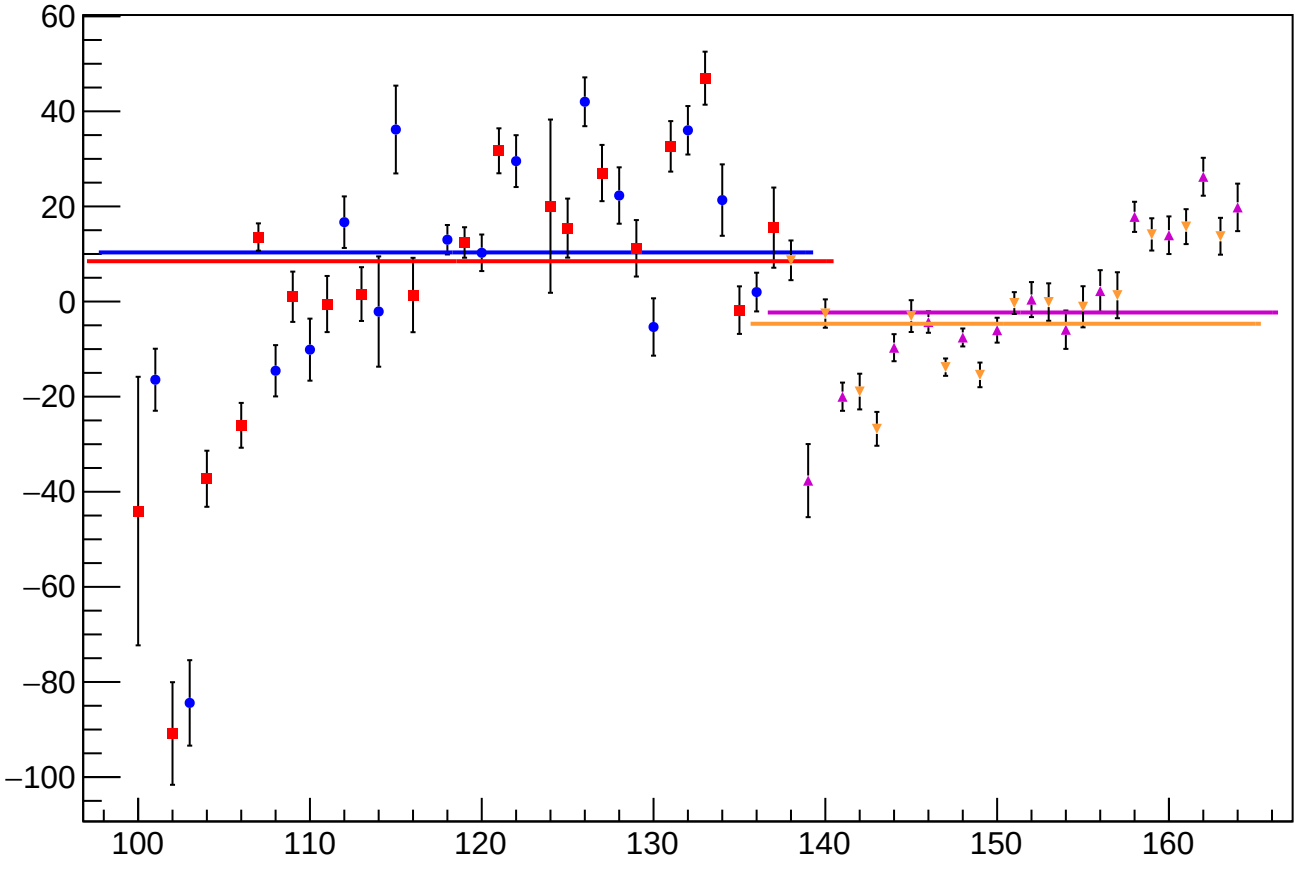
Left: 219.463+/-0.907 χ^2/NDF: 683.1/26

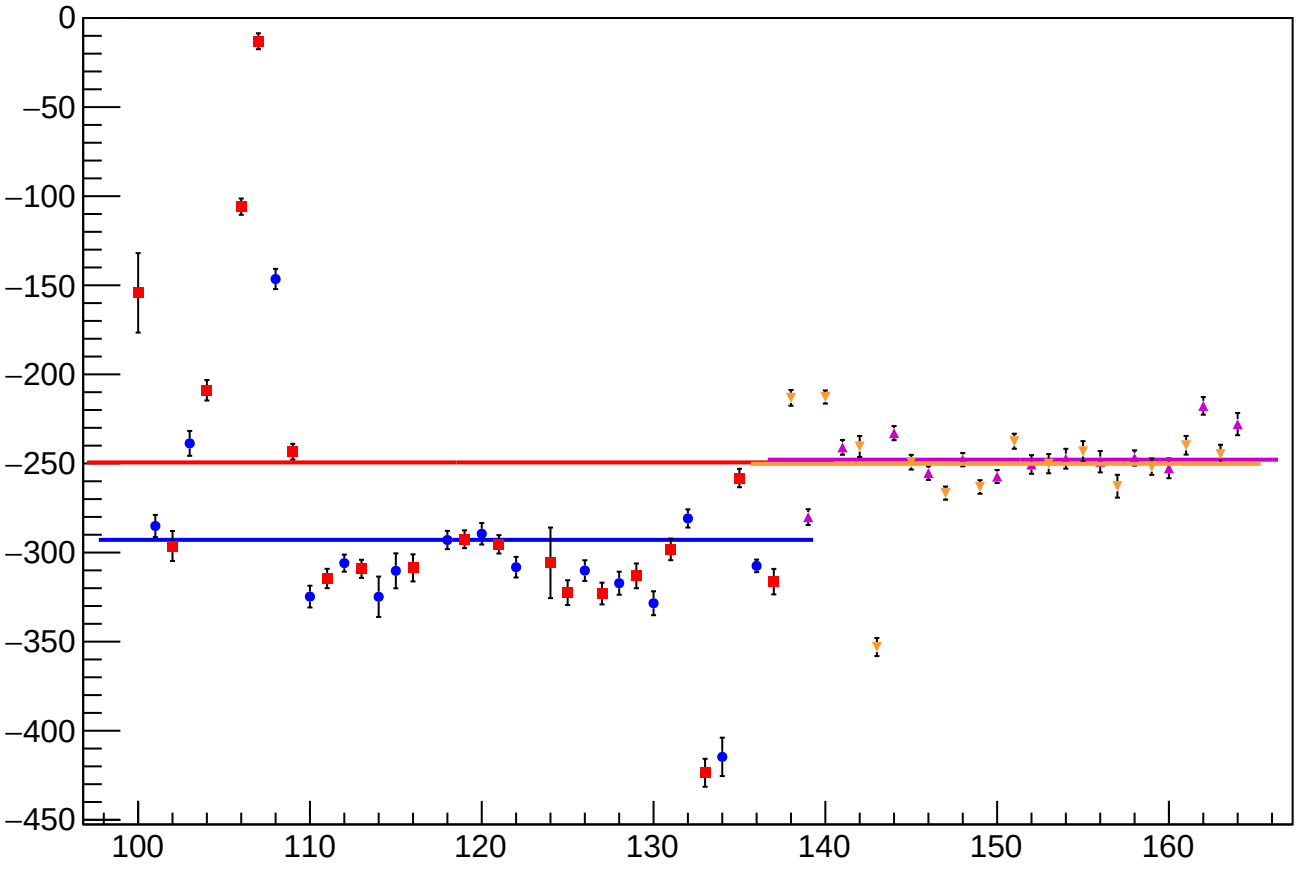
Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 216.051+/-0.917 χ^2/NDF:1004.6/28

Out: 200.360+/-0.869 χ^2/NDF:3397.1/32

All: 207.781+/-0.631 χ^2/NDF: 4556.0/61


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
160
Right In: 10.329+/-1.333 χ²/NDF: 263.3/15
Left Out: -4.671+/-0.834 χ²/NDF:197.4/13
Right Out: 8.480+/-1.225 χ²/NDF: 322.3/18
Left In: -2.302+/-0.867 χ²/NDF:204.5/12
Left: -3.532+/-0.601 χ²/NDF: 405.8/26
Right: 9.326+/-0.902 χ²/NDF: 586.7/34
In: 1.454+/-0.727 χ²/NDF:530.8/28
Out: -0.502+/-0.690 χ²/NDF:598.5/32
All: 0.425+/-0.500 χ²/NDF: 1133.2/61



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -250.208+/-1.234 χ^2/NDF:639.6/13

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -247.863+/-1.255 χ^2/NDF:128.4/12

Left: -249.055+/-0.880 χ^2/NDF: 769.7/26

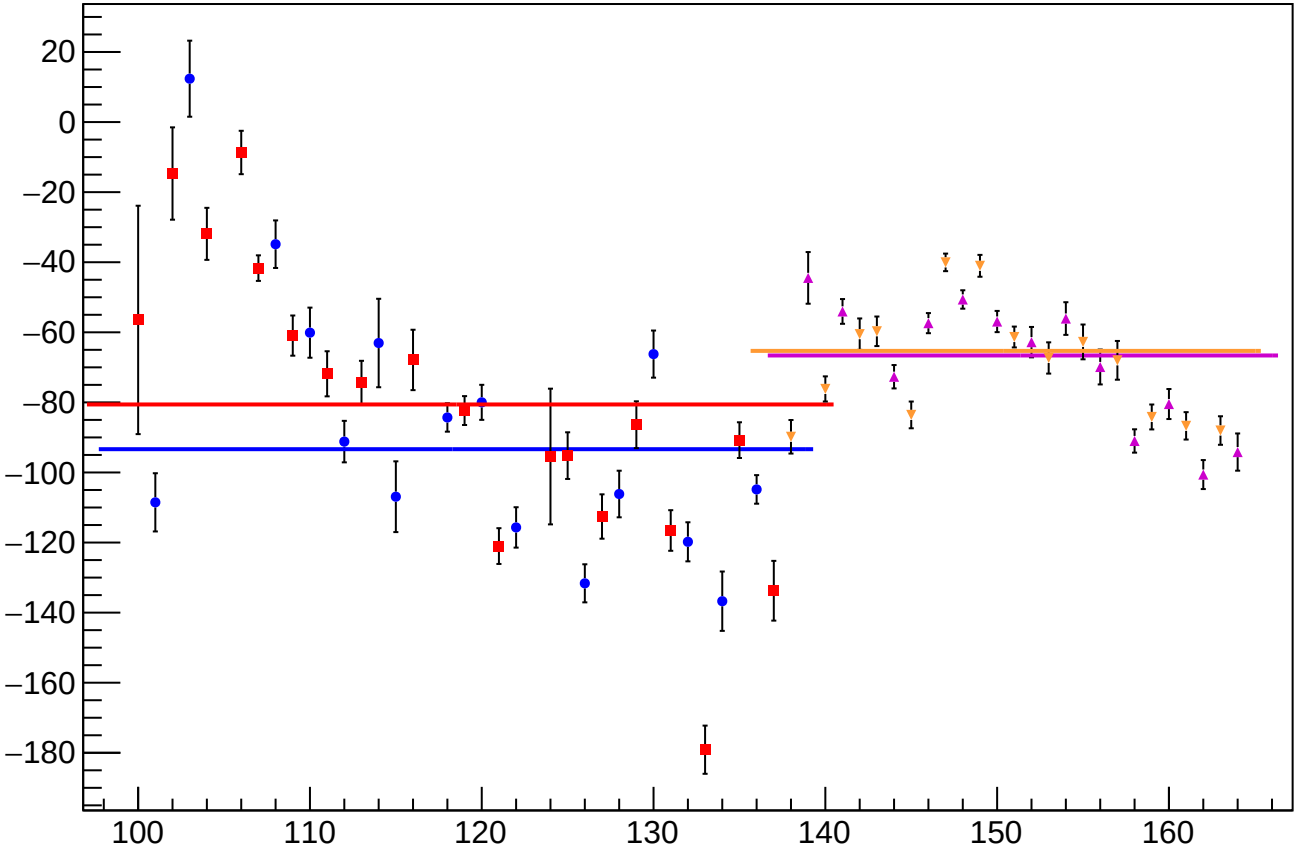
Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -266.874+/-0.954 χ^2/NDF:1655.2/28

Out: -249.849+/-0.917 χ^2/NDF:6008.2/32

All: -258.022+/-0.661 χ^2/NDF: 7829.1/61

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: -65.302+/-1.000 χ^2/NDF:315.1/13

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -66.611+/-1.030 χ^2/NDF:247.5/12

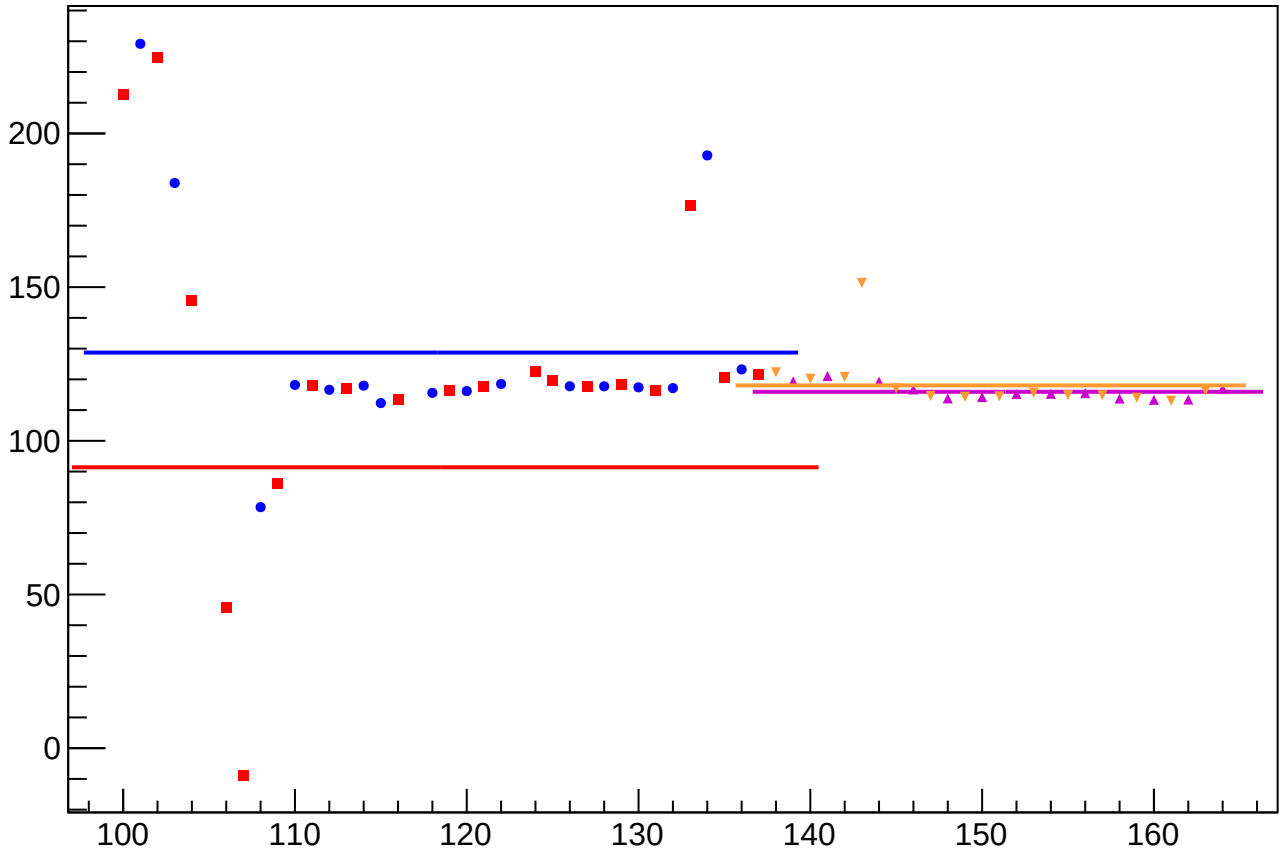
Left: -65.937+/-0.718 χ^2/NDF: 563.4/26

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -74.925+/-0.855 χ^2/NDF:812.2/28

Out: -70.354+/-0.819 χ^2/NDF:1107.7/32

All: -72.539+/-0.591 χ^2/NDF: 1934.7/61



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 118.027+/-0.048 χ^2/NDF:29398.9/13

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 115.954+/-0.048 χ^2/NDF:2689.3/12

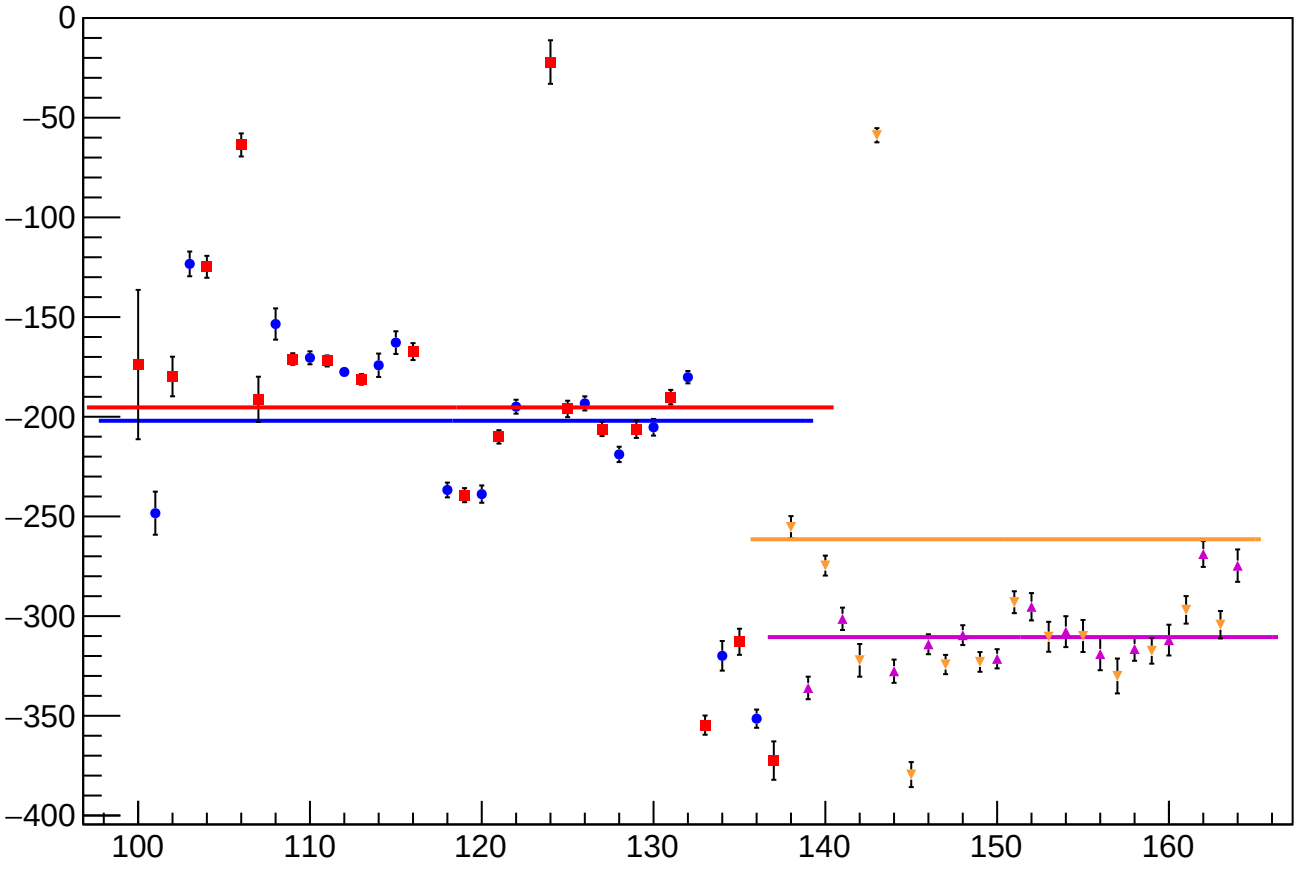
Left: 116.991+/-0.034 χ^2/NDF: 33016.5/26

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.833+/-0.042 χ^2/NDF:202083.8/28

Out: 110.825+/-0.041 χ^2/NDF:717173.1/32

All: 114.711+/-0.029 χ^2/NDF: 937673.6/61



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -261.451+/-1.540 χ^2/NDF:4298.6/13

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -310.525+/-1.683 χ^2/NDF:105.3/12

Left: -283.817+/-1.136 χ^2/NDF: 4866.8/26

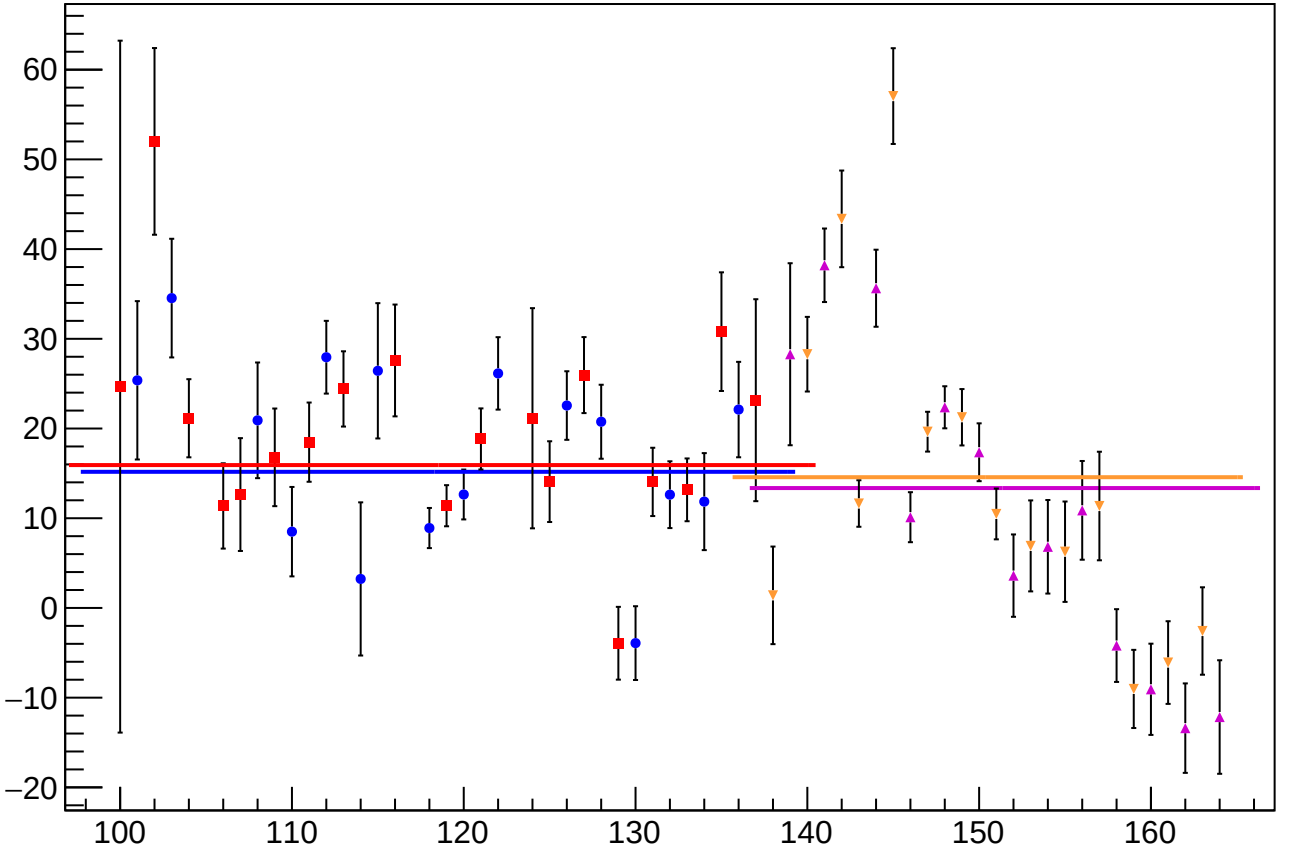
Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -231.344+/-0.875 χ^2/NDF:5179.7/28

Out: -214.212+/-0.823 χ^2/NDF:8716.9/32

All: -222.258+/-0.600 χ^2/NDF: 14100.0/61

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 14.574+/-1.011 χ^2/NDF:188.4/13

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 13.363+/-1.110 χ^2/NDF:173.0/12

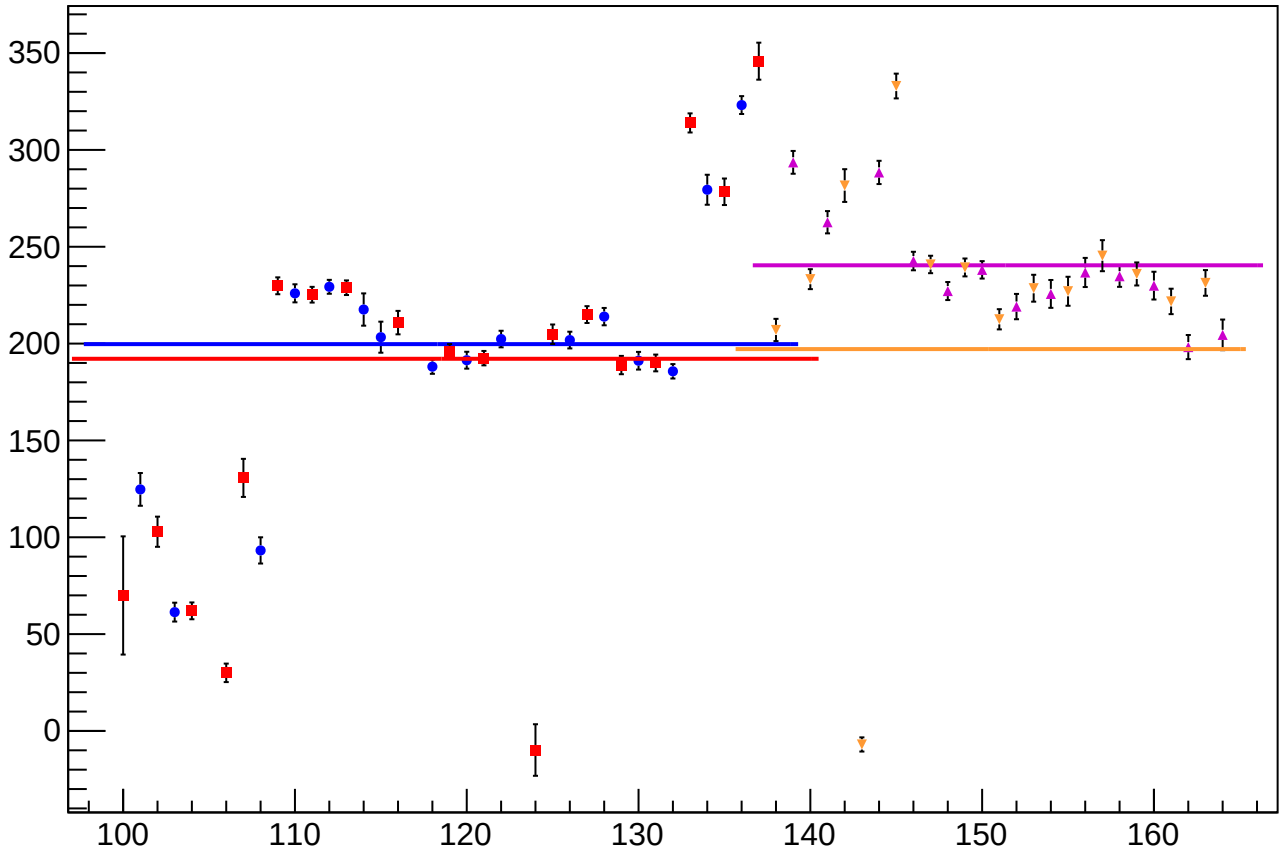
Left: 14.025+/-0.747 χ^2/NDF: 362.0/26

Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 14.321+/-0.762 χ^2/NDF:246.7/28

Out: 15.232+/-0.724 χ^2/NDF:252.8/32

All: 14.800+/-0.525 χ^2/NDF: 500.3/61



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 197.162+/-1.503 χ^2/NDF:4055.5/13

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 240.421+/-1.620 χ^2/NDF:253.7/12

Left: 217.178+/-1.102 χ^2/NDF: 4692.3/26

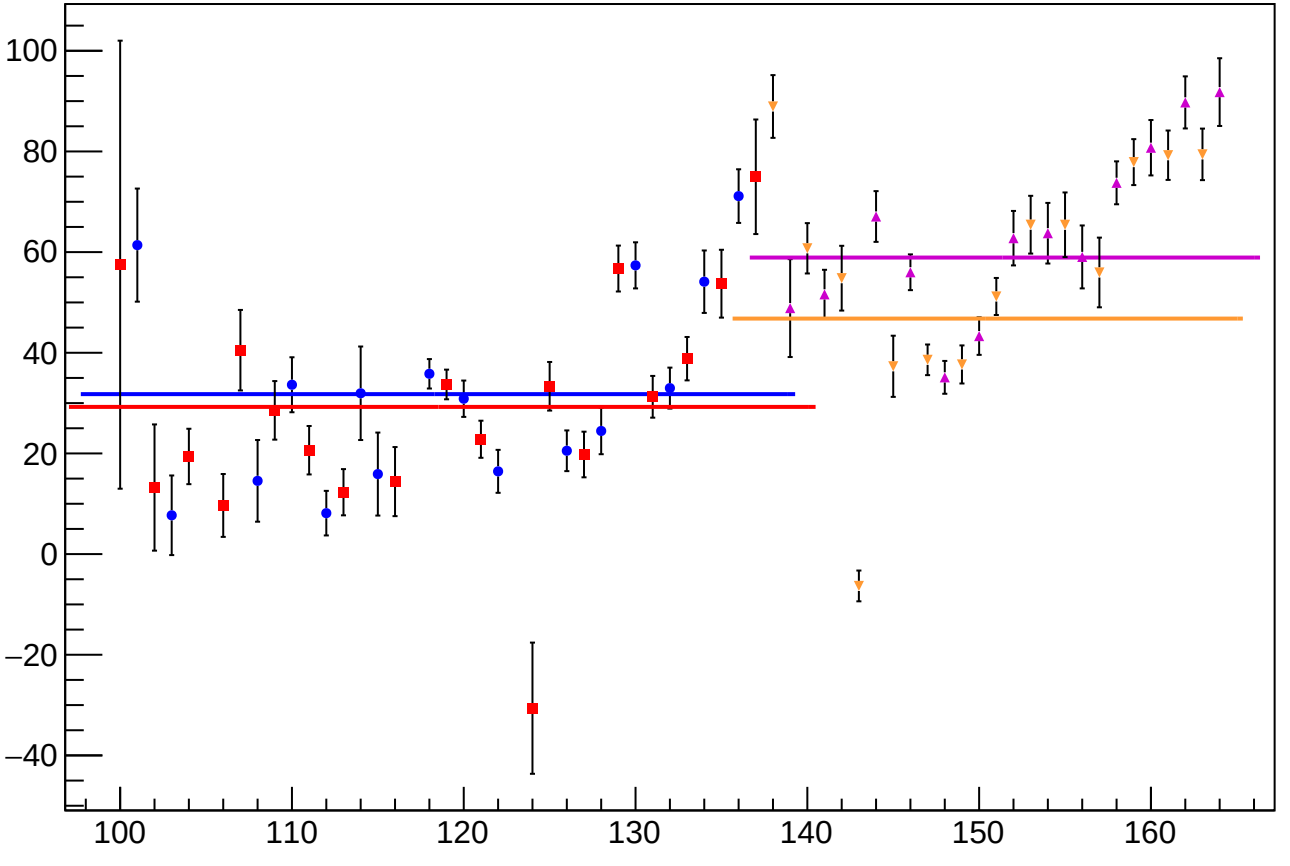
Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 214.074+/-0.962 χ^2/NDF:2763.8/28

Out: 194.005+/-0.914 χ^2/NDF:7839.7/32

All: 203.522+/-0.663 χ^2/NDF: 10832.3/61

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 46.793+/-1.214 χ^2/NDF:525.1/13

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 58.919+/-1.323 χ^2/NDF:165.7/12

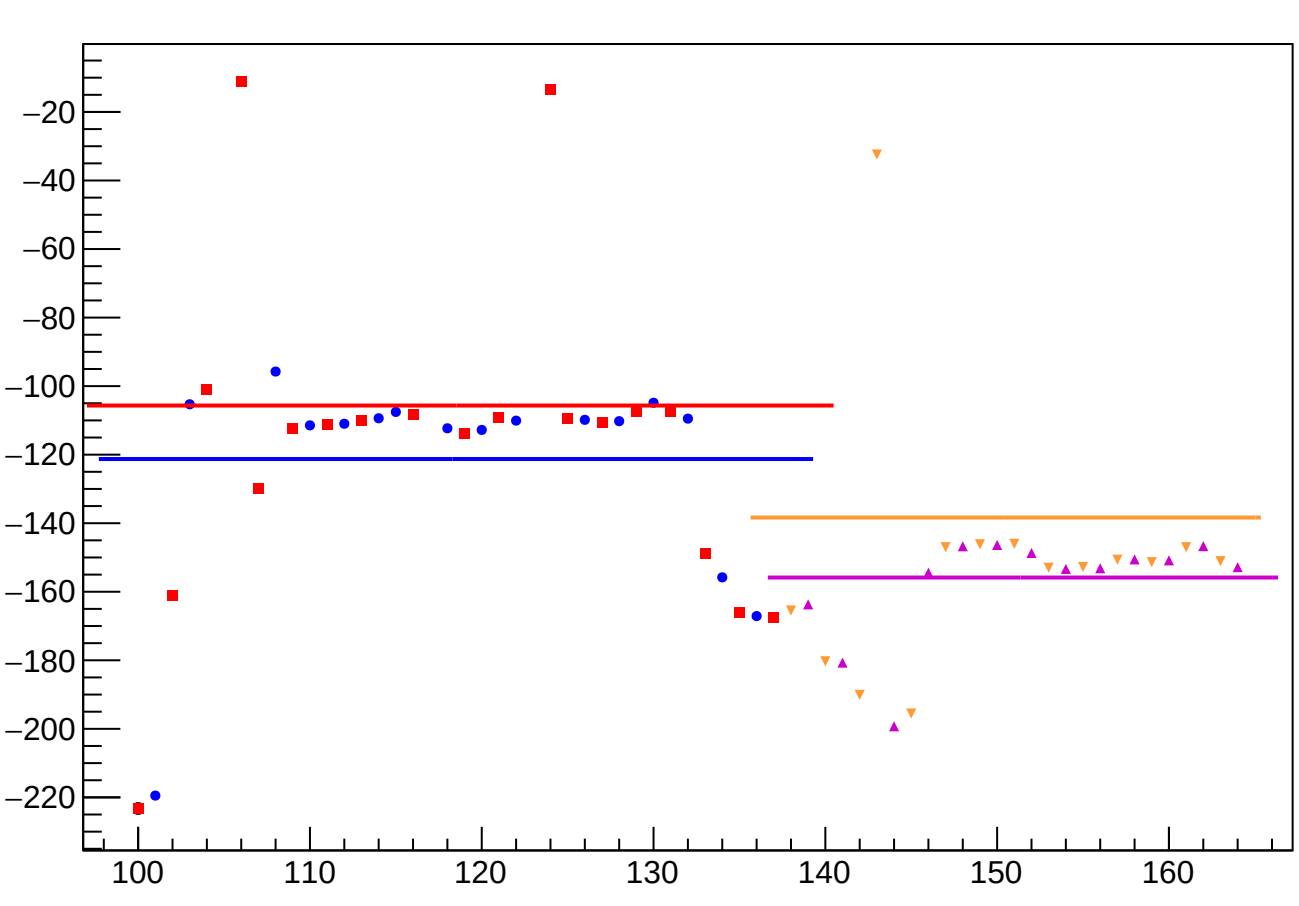
Left: 52.337+/-0.894 χ^2/NDF: 736.4/26

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 44.220+/-0.895 χ^2/NDF:570.7/28

Out: 37.893+/-0.852 χ^2/NDF:772.0/32

All: 40.900+/-0.617 χ^2/NDF: 1368.9/61



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -138.341+/-0.059 χ^2/NDF:628508.1/13

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -155.852+/-0.062 χ^2/NDF:47578.4/12

Left: -146.668+/-0.043 χ^2/NDF: 718048.8/26

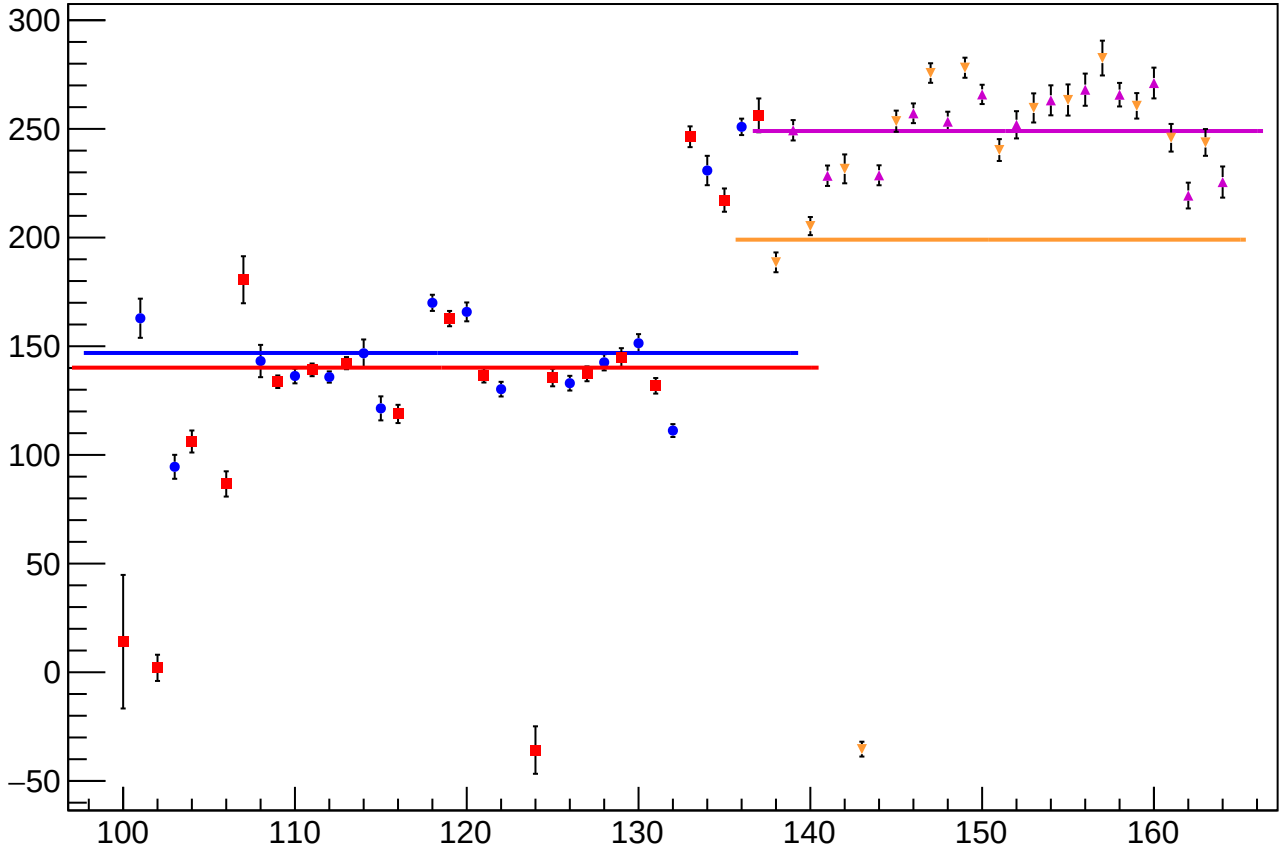
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -142.740+/-0.049 χ^2/NDF:285297.4/28

Out: -125.801+/-0.046 χ^2/NDF:1101549.9/32

All: -133.825+/-0.034 χ^2/NDF: 1450317.2/61

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 199.034+/-1.374 χ^2/NDF:5997.1/13

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 249.024+/-1.487 χ^2/NDF:123.4/12

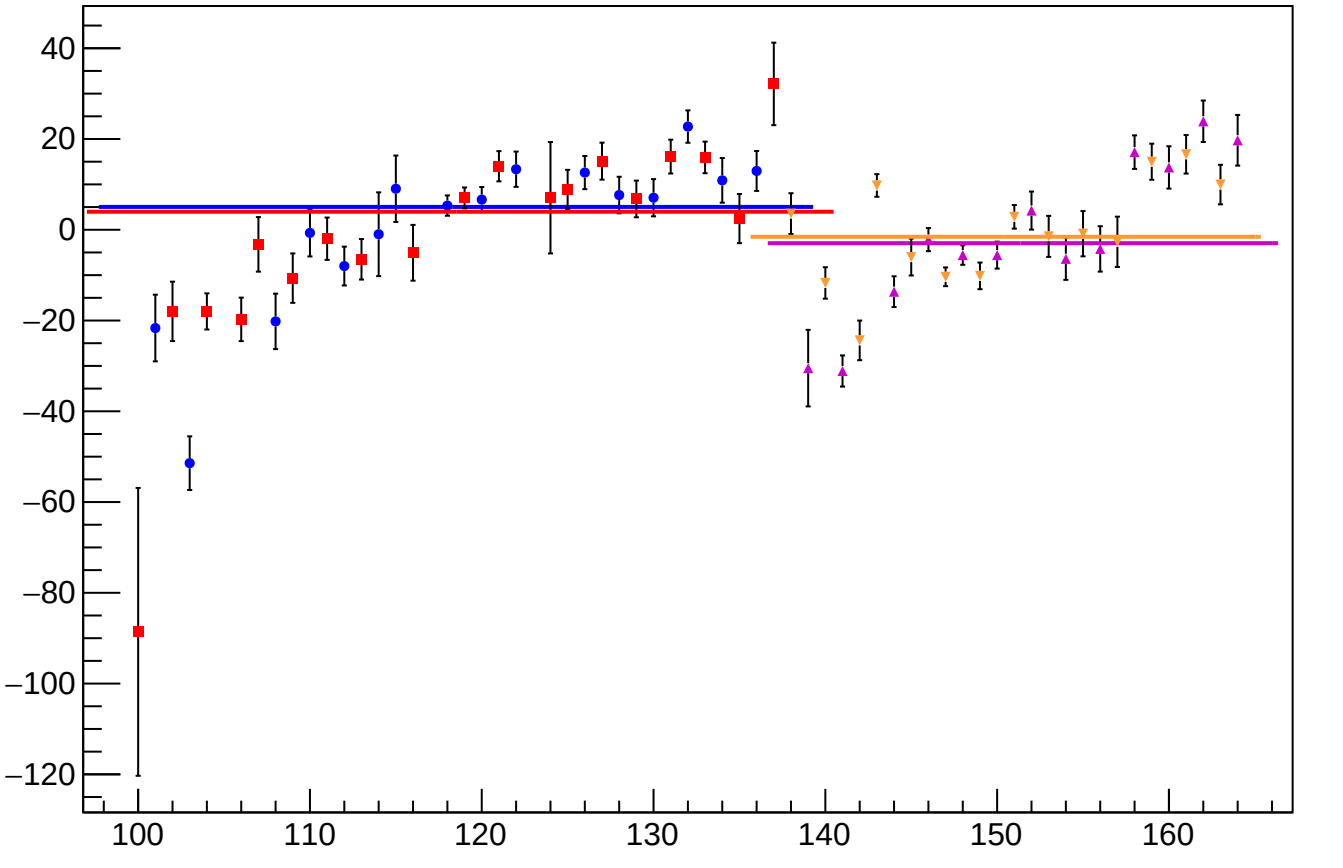
Left: 222.062+/-1.009 χ^2/NDF: 6730.0/26

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

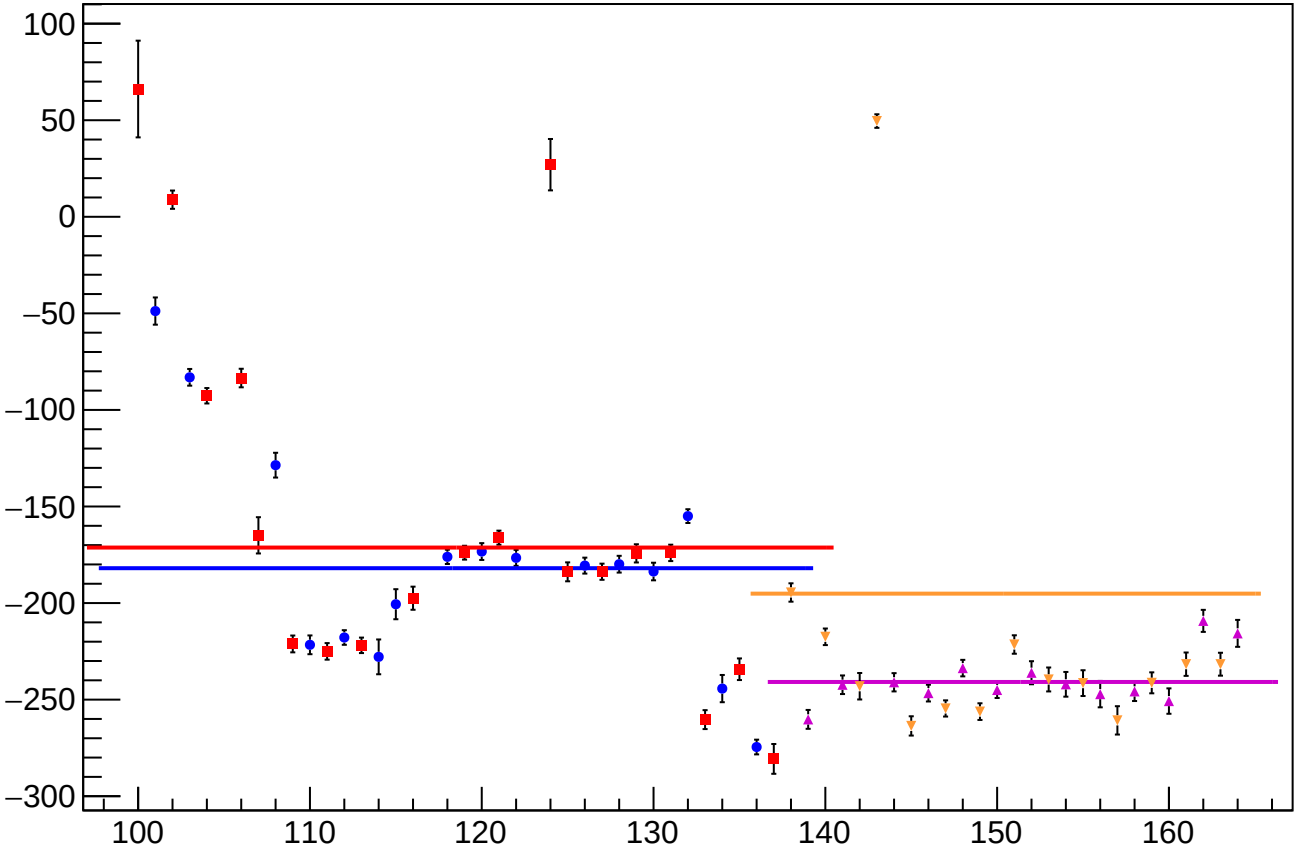
In: 178.847+/-0.832 χ^2/NDF:4665.9/28

Out: 159.463+/-0.787 χ^2/NDF:9181.3/32

All: 168.620+/-0.572 χ^2/NDF: 14133.7/61


reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: 5.037+/-1.021 χ²/NDF: 171.9/15
Left Out: -1.544+/-0.914 χ²/NDF:131.3/13
Right Out: 3.974+/-1.012 χ²/NDF: 144.9/18
Left In: -2.953+/-0.994 χ²/NDF:187.2/12
Left: -2.189+/-0.673 χ²/NDF: 319.6/26
Right: 4.501+/-0.719 χ²/NDF: 317.3/34
In: 0.937+/-0.712 χ²/NDF:390.5/28
Out: 0.934+/-0.678 χ²/NDF:292.6/32
All: 0.935+/-0.491 χ²/NDF: 683.0/61

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: -195.123+/-1.346 χ^2/NDF:5864.0/13

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -240.854+/-1.437 χ^2/NDF:69.9/12

Left: -216.486+/-0.982 χ^2/NDF: 6473.1/26

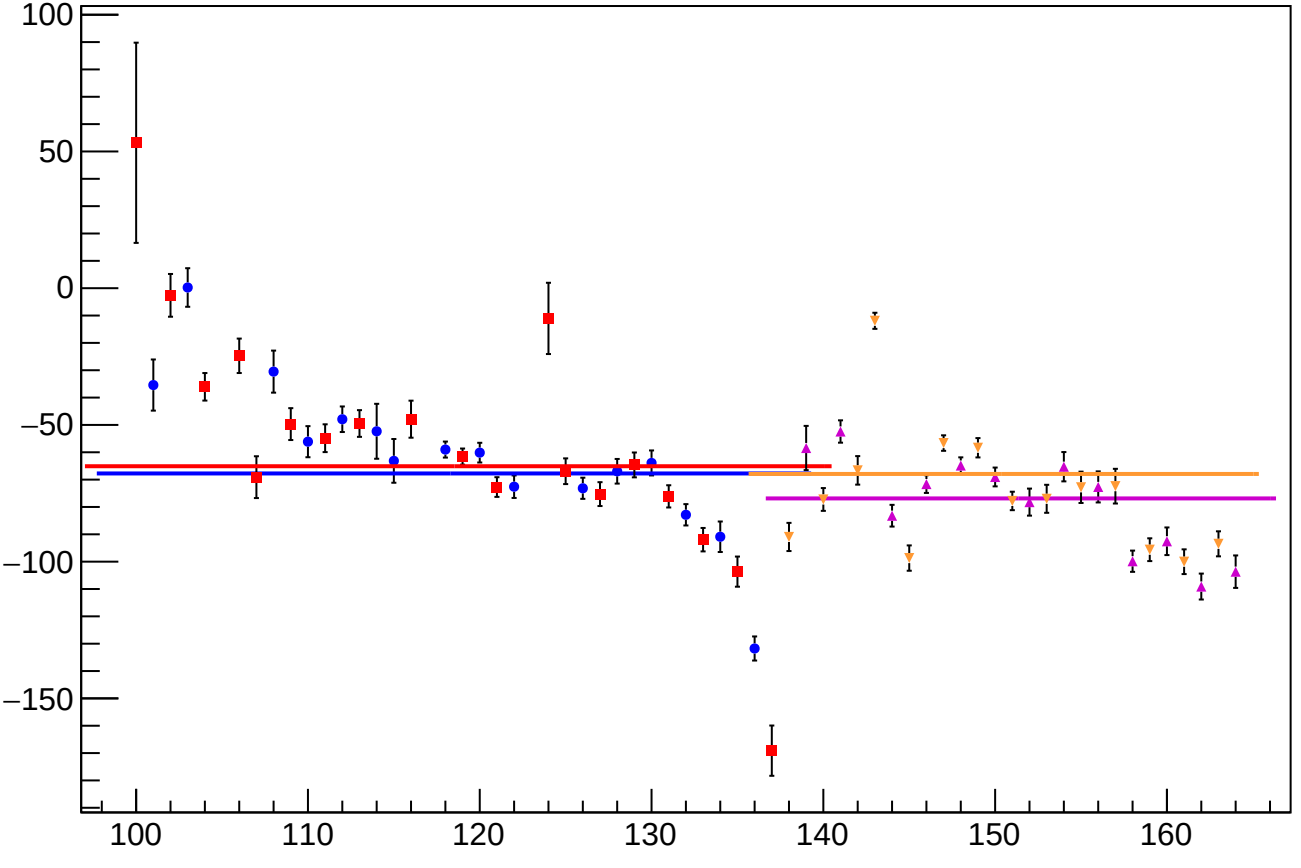
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -205.032+/-0.900 χ^2/NDF:2961.5/28

Out: -180.932+/-0.857 χ^2/NDF:9679.1/32

All: -192.392+/-0.621 χ^2/NDF: 13016.7/61

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: -67.928+/-1.095 χ^2/NDF:594.1/13

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -76.877+/-1.183 χ^2/NDF:184.0/12

Left: -72.057+/-0.803 χ^2/NDF: 809.0/26

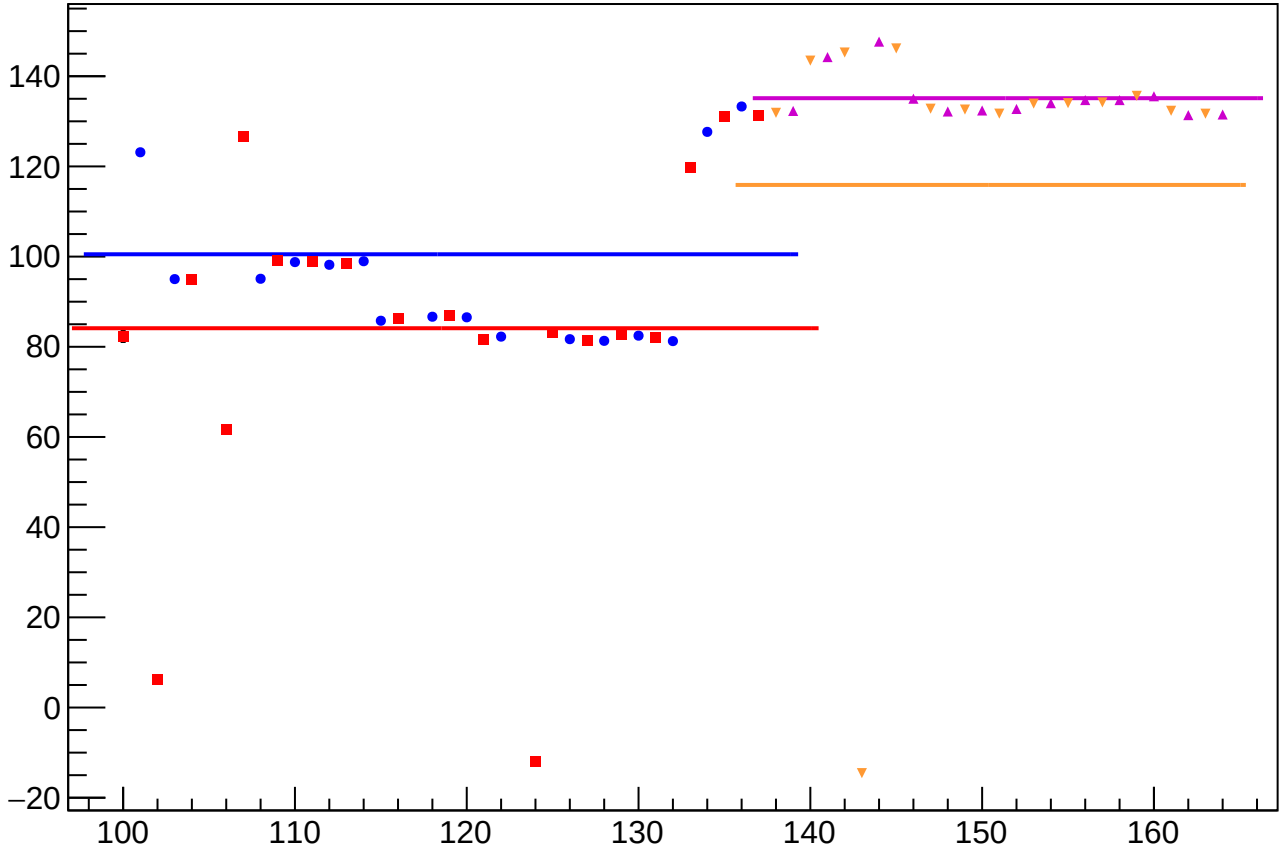
Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -72.305+/-0.836 χ^2/NDF:627.9/28

Out: -66.606+/-0.798 χ^2/NDF:1026.2/32

All: -69.325+/-0.577 χ^2/NDF: 1678.5/61

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 115.893+/-0.053 χ^2/NDF:926411.0/13

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 135.129+/-0.055 χ^2/NDF:7125.5/12

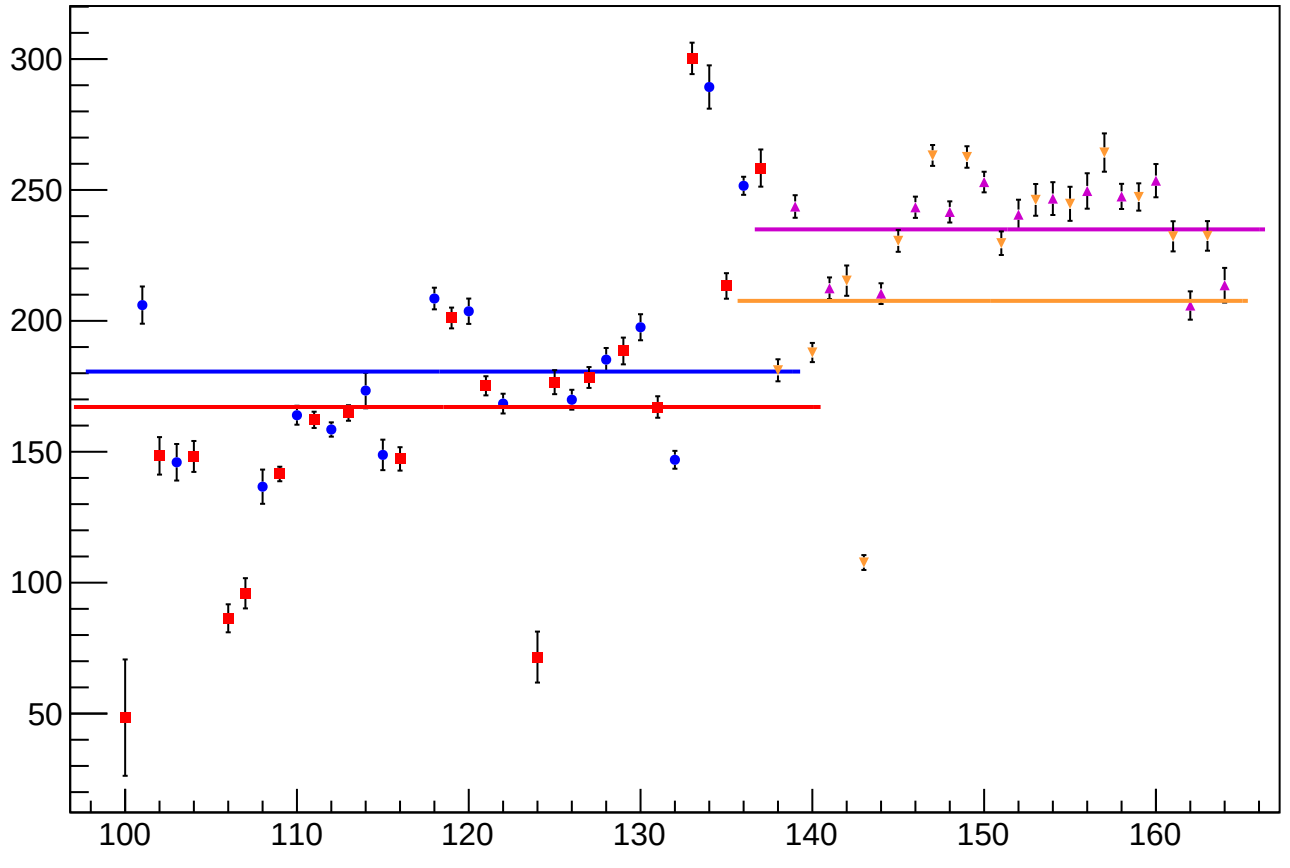
Left: 125.105+/-0.038 χ^2/NDF: 997121.6/26

Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 122.786+/-0.044 χ^2/NDF:215479.0/28

Out: 104.205+/-0.042 χ^2/NDF:1323481.8/32

All: 113.022+/-0.030 χ^2/NDF: 1631953.1/61



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.638+/-1.212 χ^2/NDF:1962.8/13

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.939+/-1.330 χ^2/NDF:164.1/12

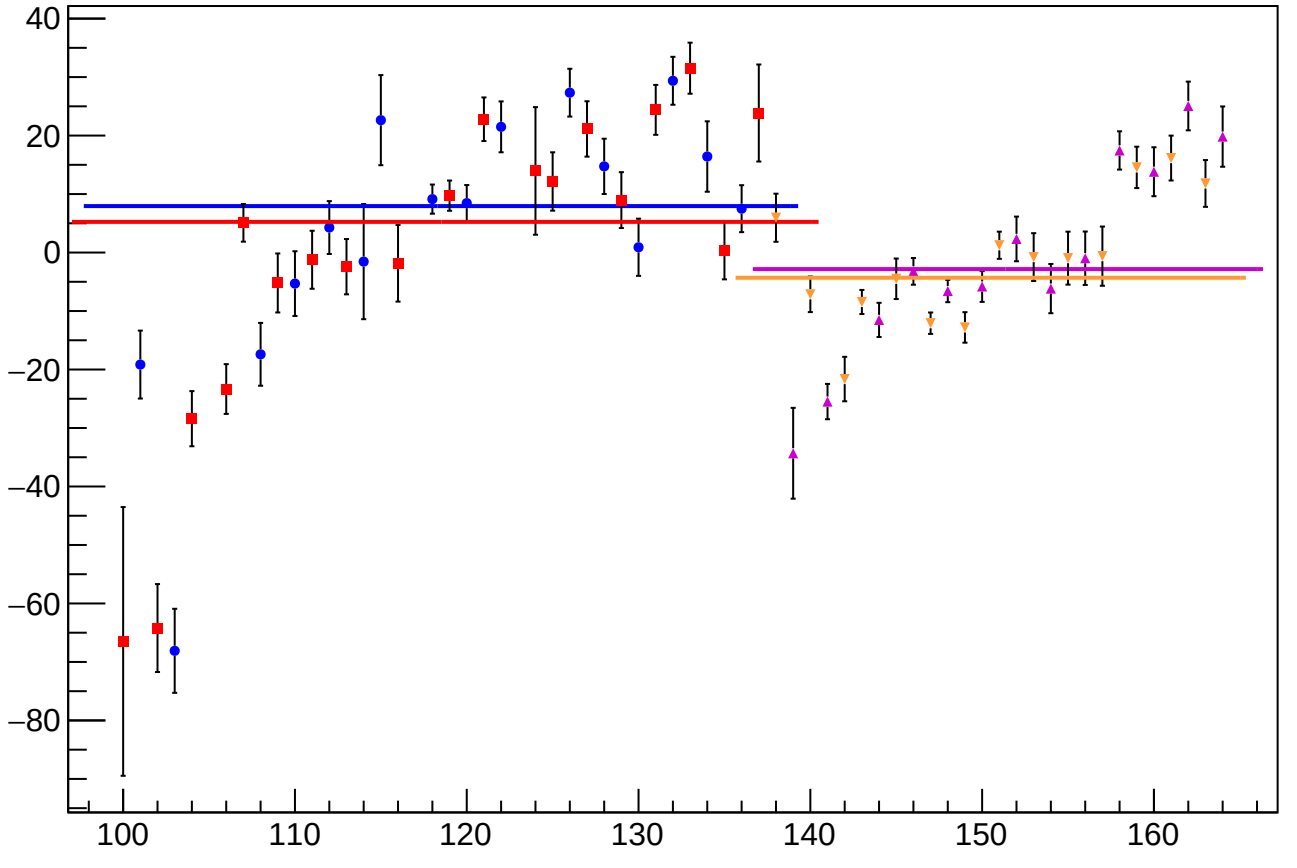
Left: 220.024+/-0.896 χ^2/NDF: 2357.2/26

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.451+/-0.843 χ^2/NDF:2155.4/28

Out: 183.929+/-0.781 χ^2/NDF:4101.9/32

All: 192.483+/-0.573 χ^2/NDF: 6517.2/61



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -4.310+/-0.805 χ^2/NDF:141.2/13

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -2.830+/-0.886 χ^2/NDF:207.7/12

Left: -3.641+/-0.596 χ^2/NDF: 350.4/26

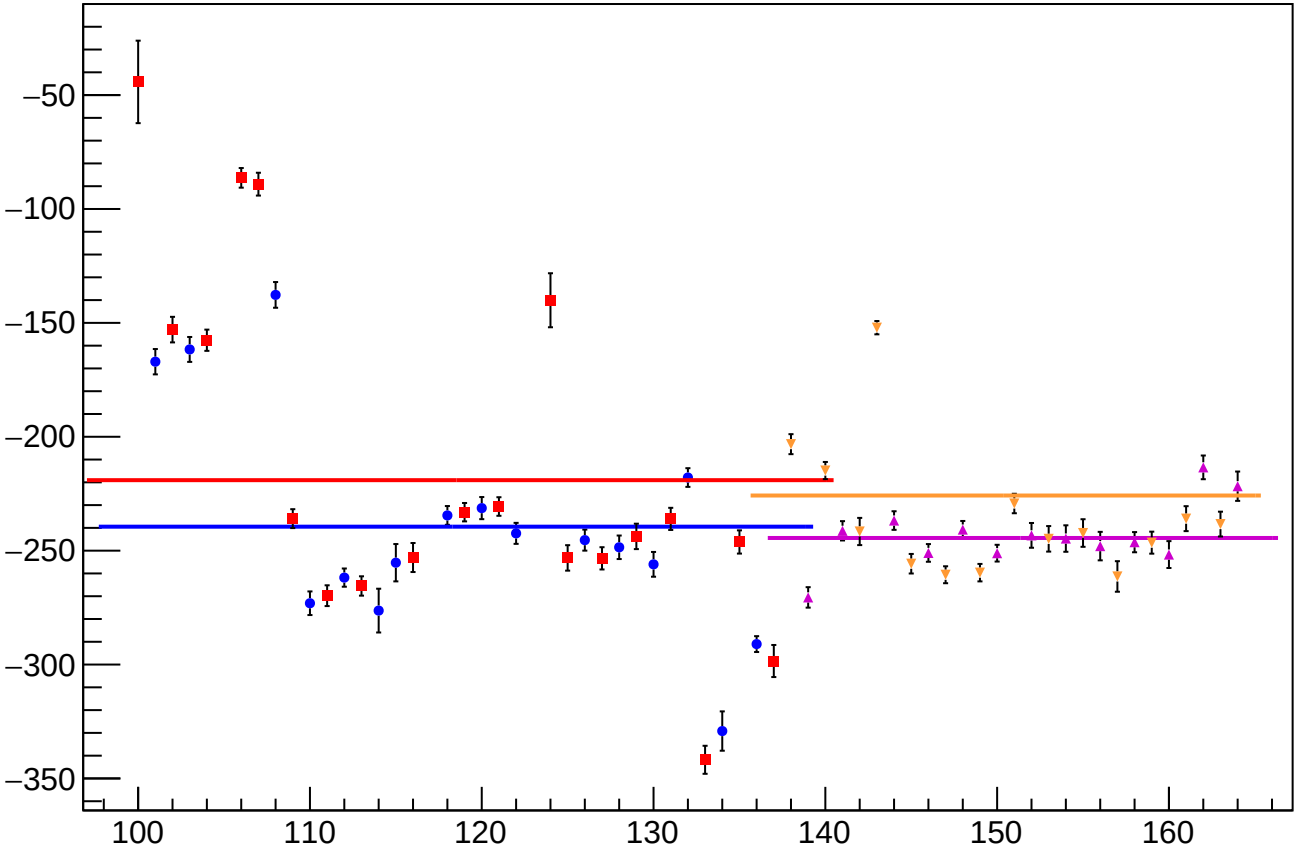
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.348+/-0.693 χ^2/NDF:497.9/28

Out: -0.824+/-0.642 χ^2/NDF:495.5/32

All: 0.178+/-0.471 χ^2/NDF: 998.7/61

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.790+/-1.188 χ^2/NDF:966.3/13

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -244.431+/-1.286 χ^2/NDF:94.9/12

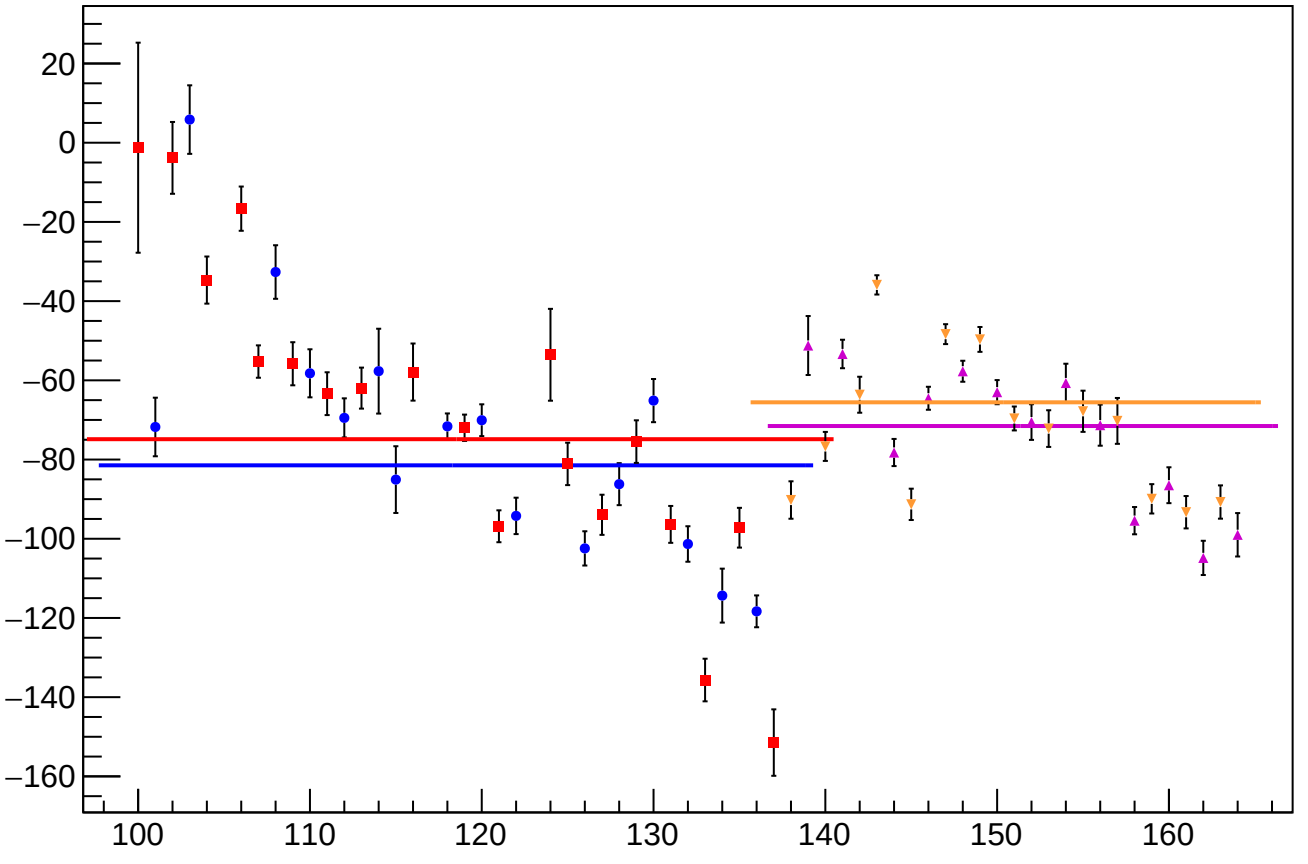
Left: -234.379+/-0.873 χ^2/NDF: 1174.6/26

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

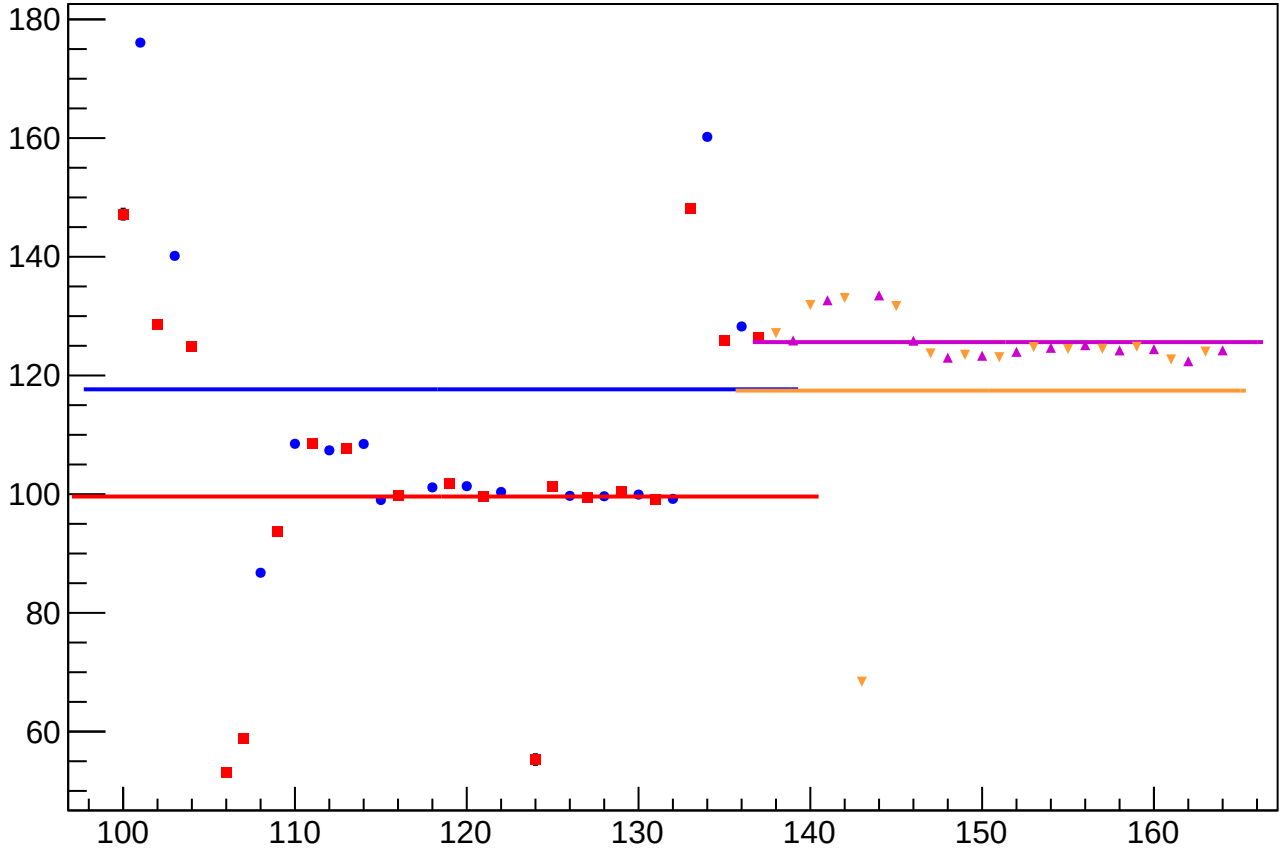
In: -241.871+/-0.895 χ^2/NDF:1264.8/28

Out: -222.387+/-0.836 χ^2/NDF:4031.9/32

All: -231.471+/-0.611 χ^2/NDF: 5549.9/61


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -65.549+/-0.966 χ²/NDF:429.6/13
Right Out: -74.861+/-1.230 χ²/NDF: 576.6/18
Left In: -71.536+/-1.055 χ²/NDF:226.3/12
Left: -68.277+/-0.712 χ²/NDF: 673.5/26
Right: -78.013+/-0.889 χ²/NDF: 956.9/34
In: -75.527+/-0.816 χ²/NDF:628.4/28
Out: -69.100+/-0.760 χ²/NDF:1041.7/32
All: -72.083+/-0.556 χ²/NDF: 1703.3/61

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.451+/-0.047 χ^2/NDF:195456.5/13

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.623+/-0.049 χ^2/NDF:4566.5/12

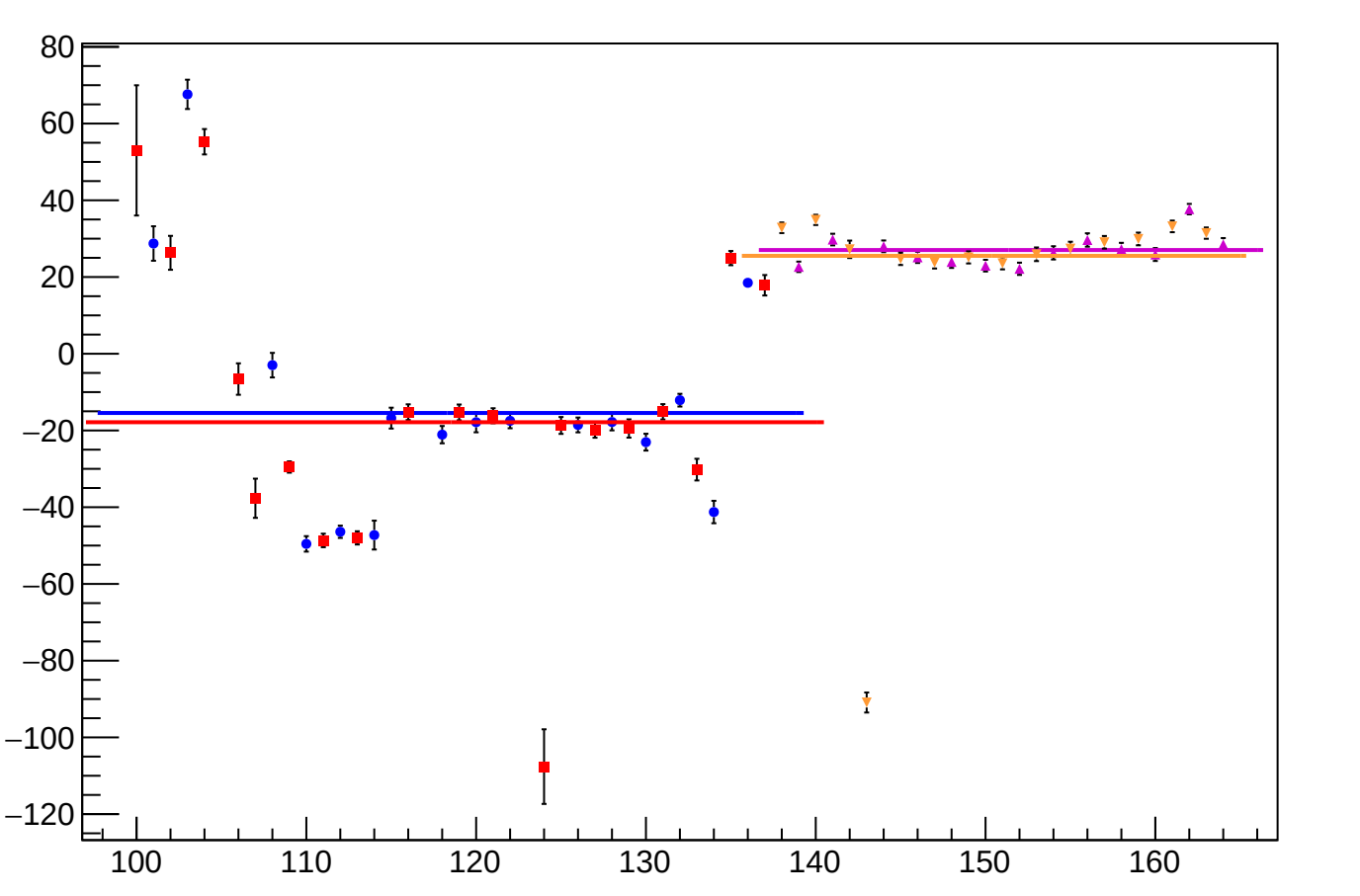
Left: 121.318+/-0.034 χ^2/NDF: 214454.6/26

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.357+/-0.042 χ^2/NDF:107359.4/28

Out: 111.972+/-0.039 χ^2/NDF:406350.4/32

All: 117.269+/-0.028 χ^2/NDF: 553458.8/61



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 25.523+/-0.436 χ^2/NDF:2121.2/13

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 27.035+/-0.431 χ^2/NDF:101.1/12

Left: 26.288+/-0.306 χ^2/NDF: 2228.4/26

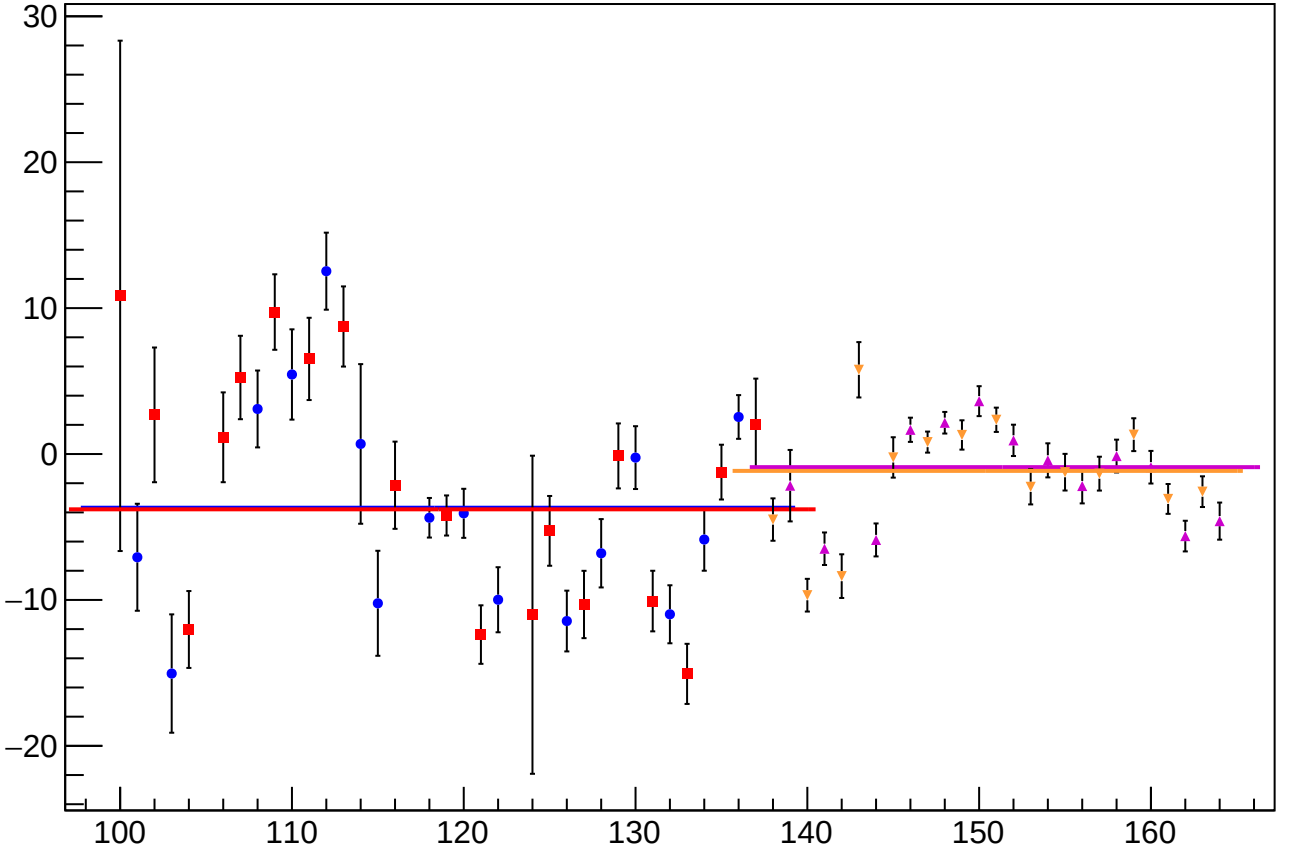
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 10.483+/-0.337 χ^2/NDF:6014.3/28

Out: 8.023+/-0.336 χ^2/NDF:8246.5/32

All: 9.253+/-0.238 χ^2/NDF: 14287.5/61

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.155+/-0.294 χ^2/NDF:142.3/13

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -0.899+/-0.296 χ^2/NDF:124.2/12

Left: -1.028+/-0.209 χ^2/NDF: 266.8/26

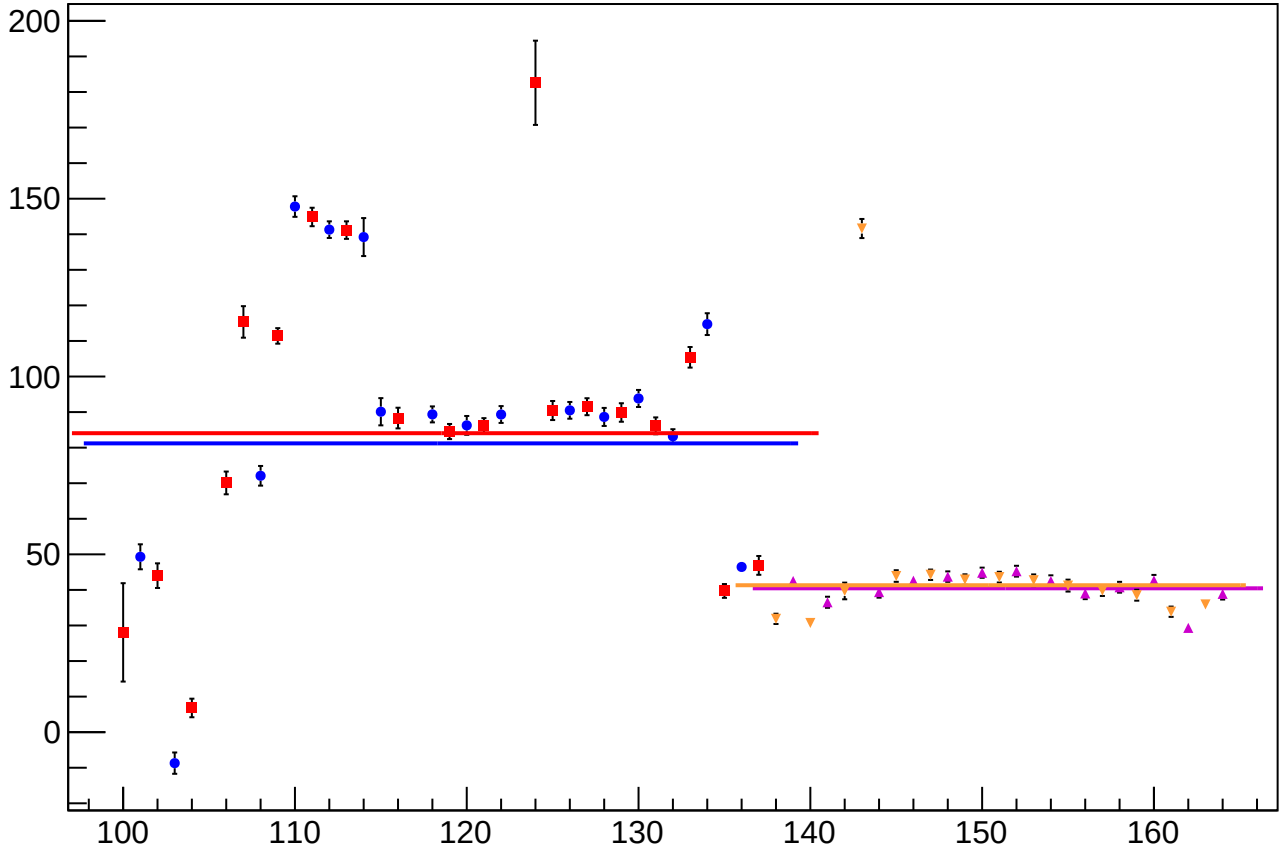
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.521+/-0.261 χ^2/NDF:267.9/28

Out: -1.718+/-0.261 χ^2/NDF:320.7/32

All: -1.619+/-0.184 χ^2/NDF: 588.8/61

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: 41.314+/-0.421 χ^2/NDF:1552.1/13

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.450+/-0.415 χ^2/NDF:113.1/12

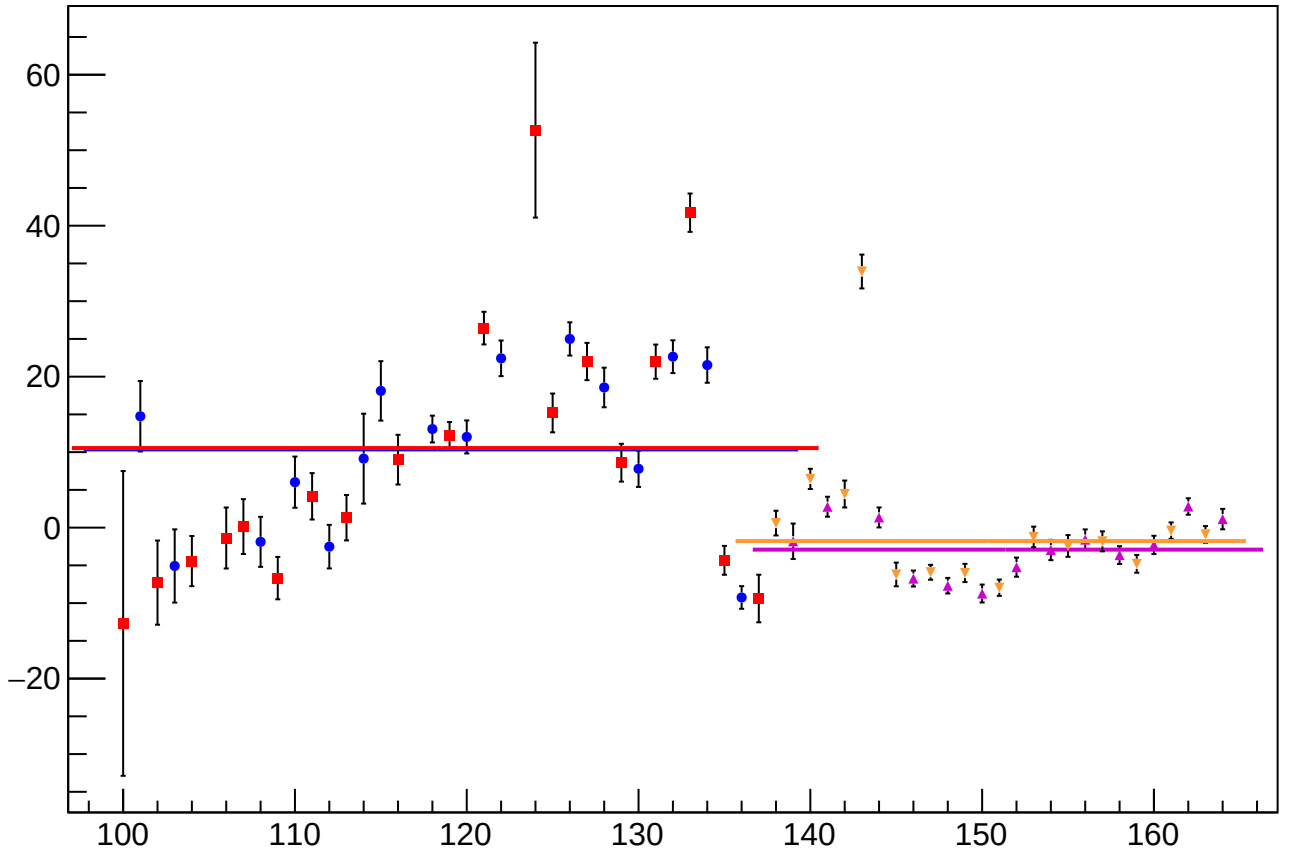
Left: 40.876+/-0.296 χ^2/NDF: 1667.4/26

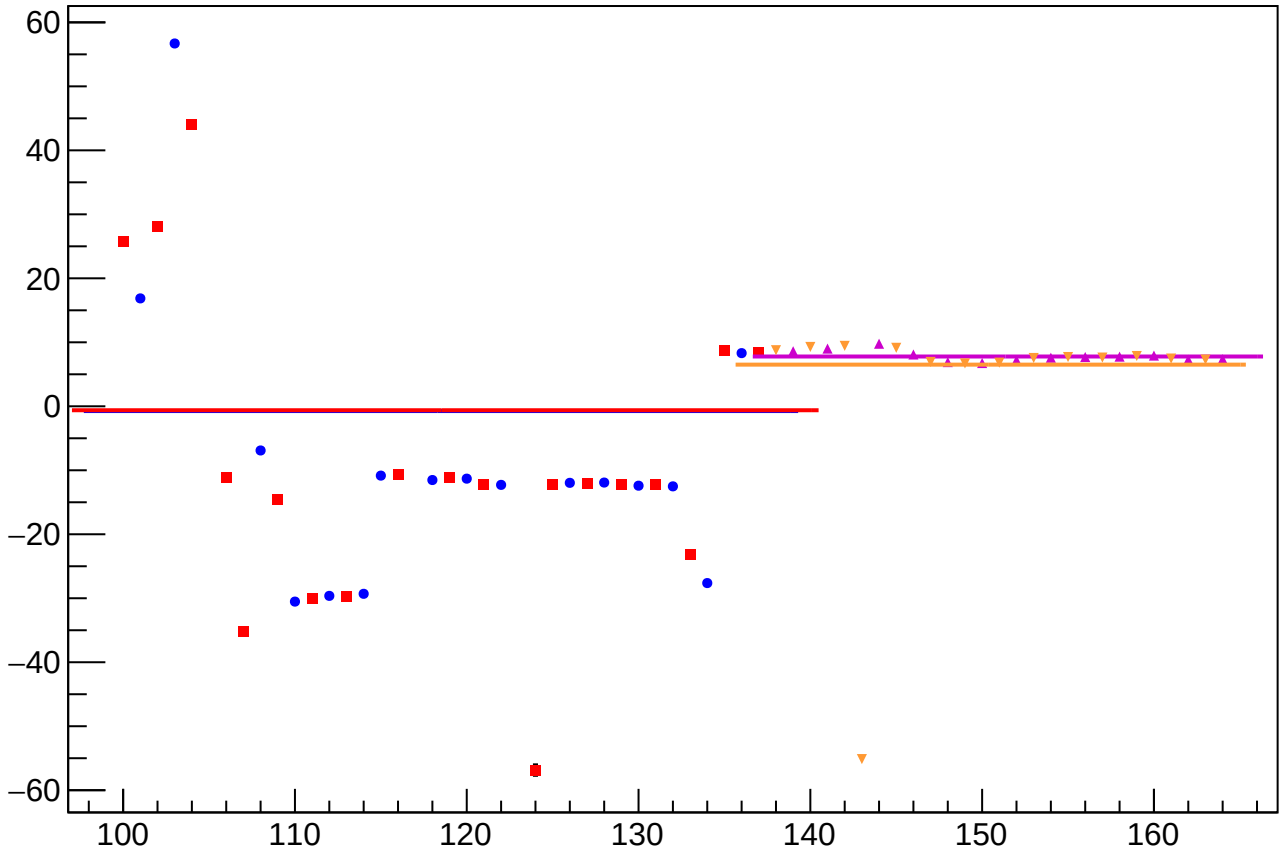
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 53.444+/-0.343 χ^2/NDF:6413.4/28

Out: 54.936+/-0.348 χ^2/NDF:8037.5/32

All: 54.179+/-0.244 χ^2/NDF: 14460.2/61


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
160
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.782+/-0.345 χ²/NDF:385.5/13
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -2.916+/-0.345 χ²/NDF:129.2/12
Left: -2.349+/-0.244 χ²/NDF: 520.1/26
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.179+/-0.302 χ²/NDF:833.7/28
Out: 0.995+/-0.304 χ²/NDF:1143.1/32
All: 0.585+/-0.214 χ²/NDF: 1980.4/61



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.509+/-0.016 χ^2/NDF:313106.0/13

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.780+/-0.016 χ^2/NDF:2291.6/12

Left: 7.158+/-0.011 χ^2/NDF: 318664.8/26

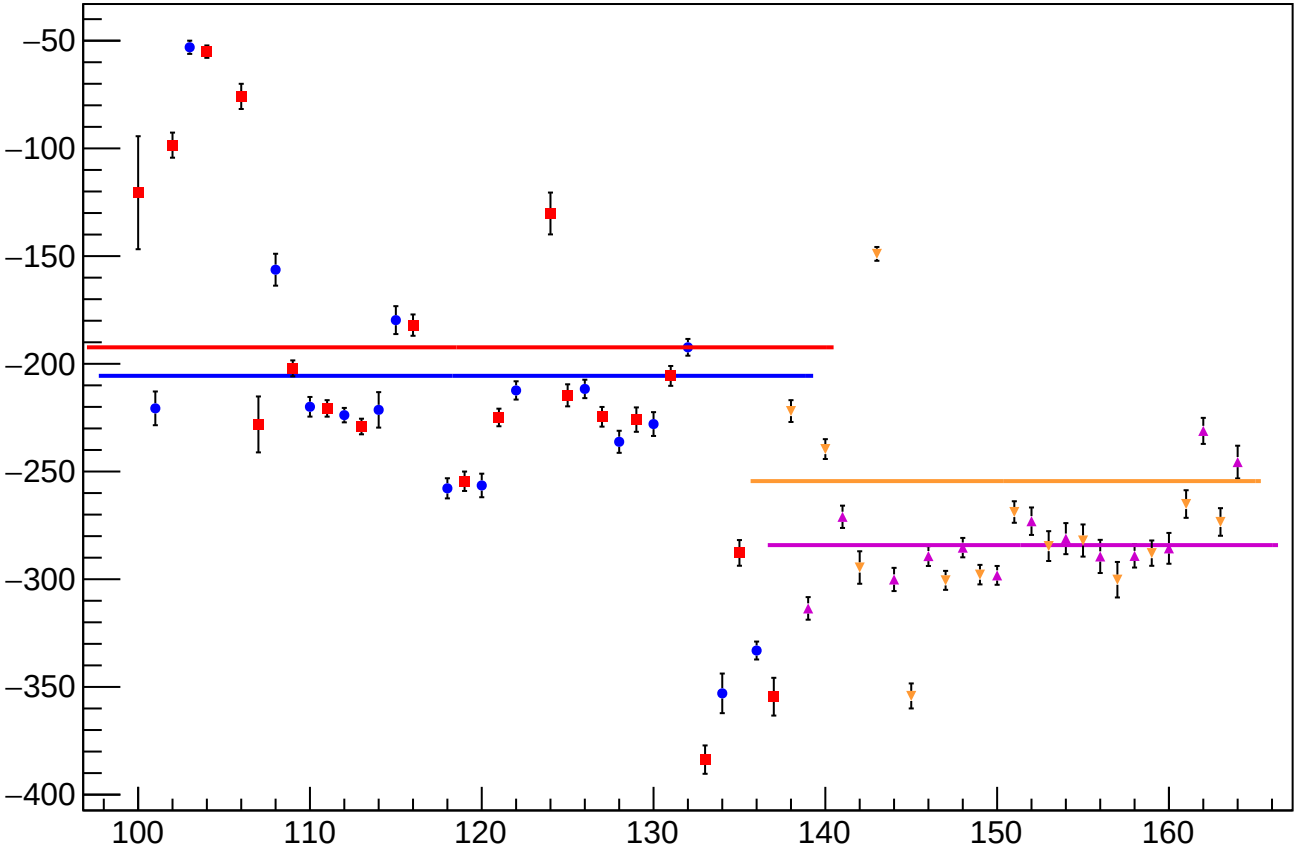
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.431+/-0.014 χ^2/NDF:417807.6/28

Out: 5.417+/-0.015 χ^2/NDF:660463.1/32

All: 5.936+/-0.010 χ^2/NDF: 1080734.7/61

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -254.449+/-1.411 χ^2/NDF:1772.9/13

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -284.161+/-1.551 χ^2/NDF:165.5/12

Left: -267.912+/-1.044 χ^2/NDF: 2139.2/26

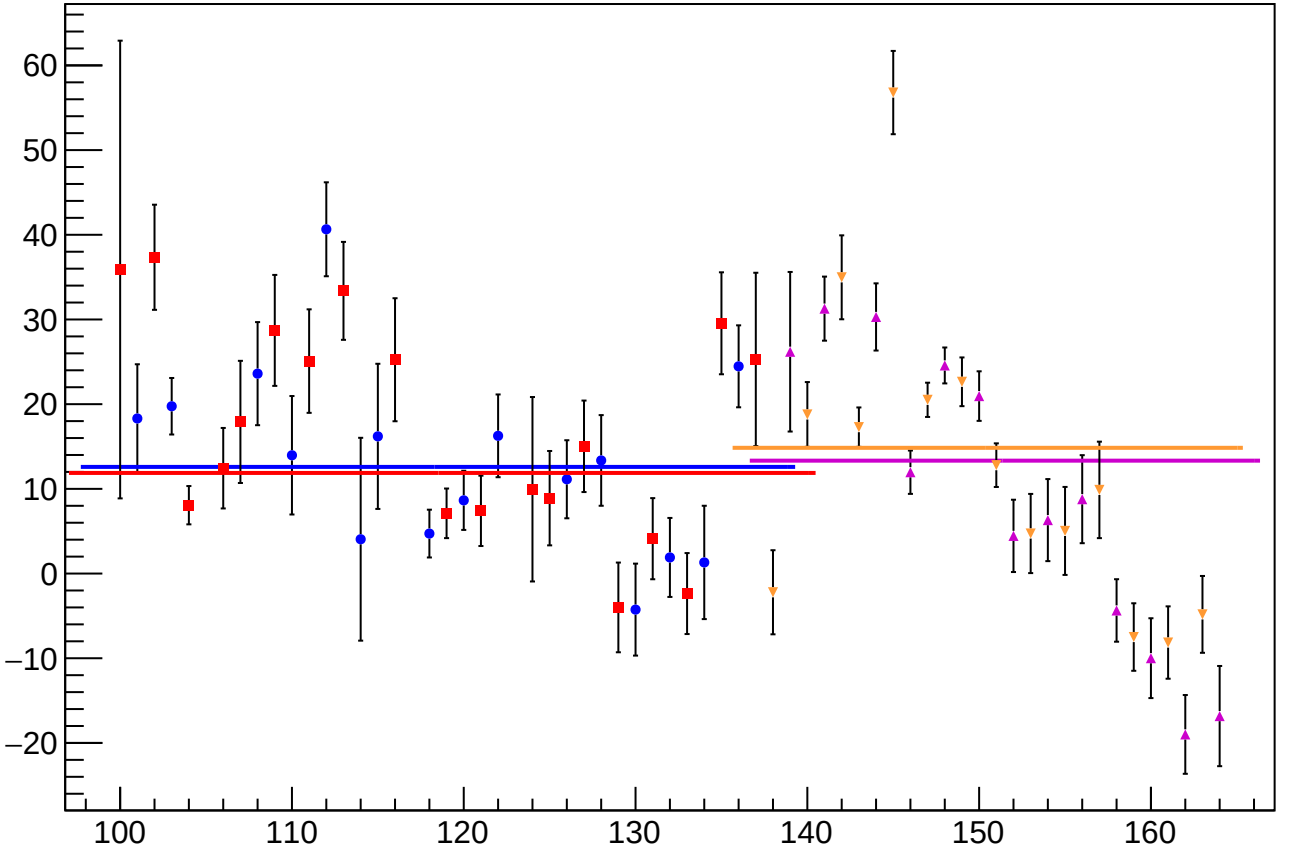
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -234.545+/-0.941 χ^2/NDF:5843.3/28

Out: -216.407+/-0.879 χ^2/NDF:7928.8/32

All: -224.851+/-0.642 χ^2/NDF: 13970.5/61

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 14.847+/-0.924 χ^2/NDF:207.2/13

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 13.330+/-1.018 χ^2/NDF:206.8/12

Left: 14.162+/-0.684 χ^2/NDF: 415.3/26

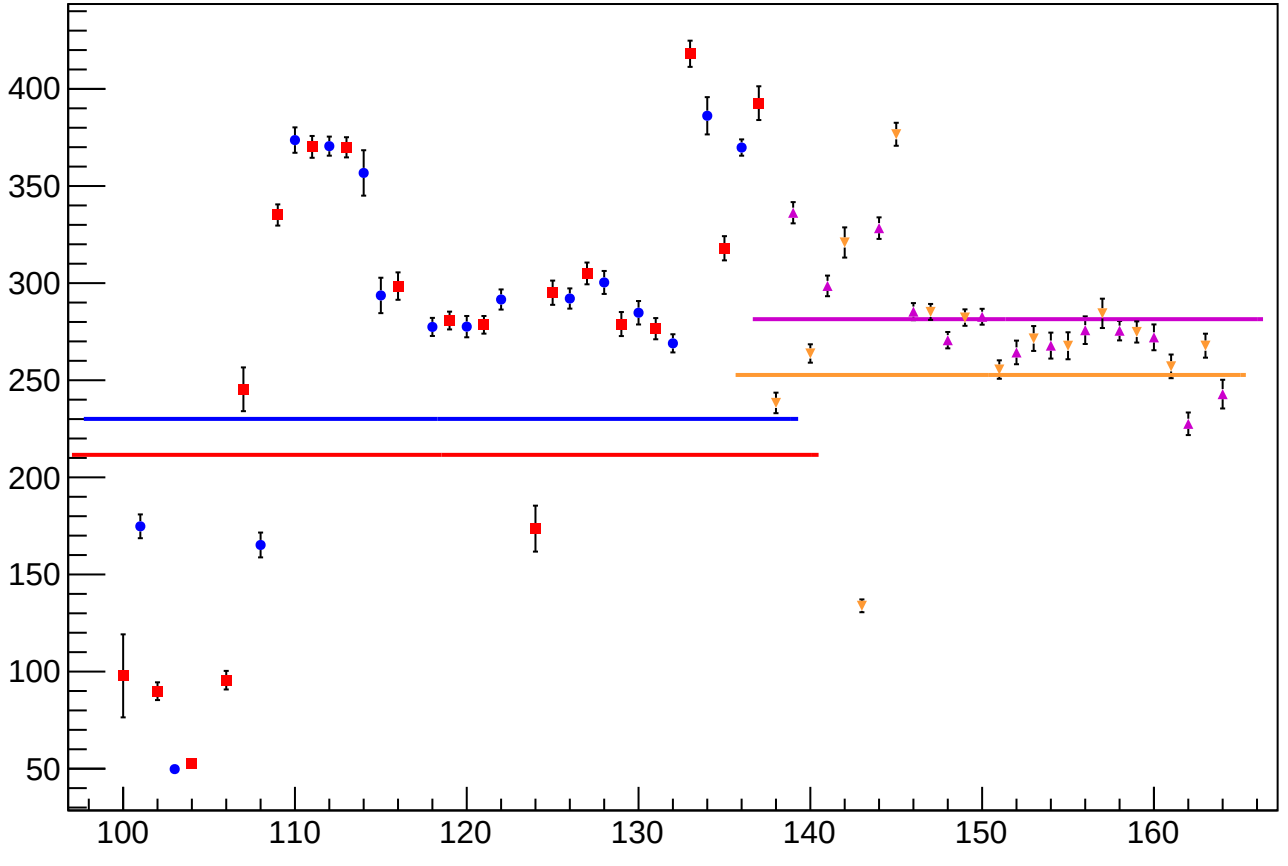
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 13.022+/-0.777 χ^2/NDF:275.5/28

Out: 13.648+/-0.713 χ^2/NDF:296.4/32

All: 13.362+/-0.525 χ^2/NDF: 572.2/61

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: 252.724+/-1.378 χ^2/NDF:1991.3/13

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 281.445+/-1.492 χ^2/NDF:319.0/12

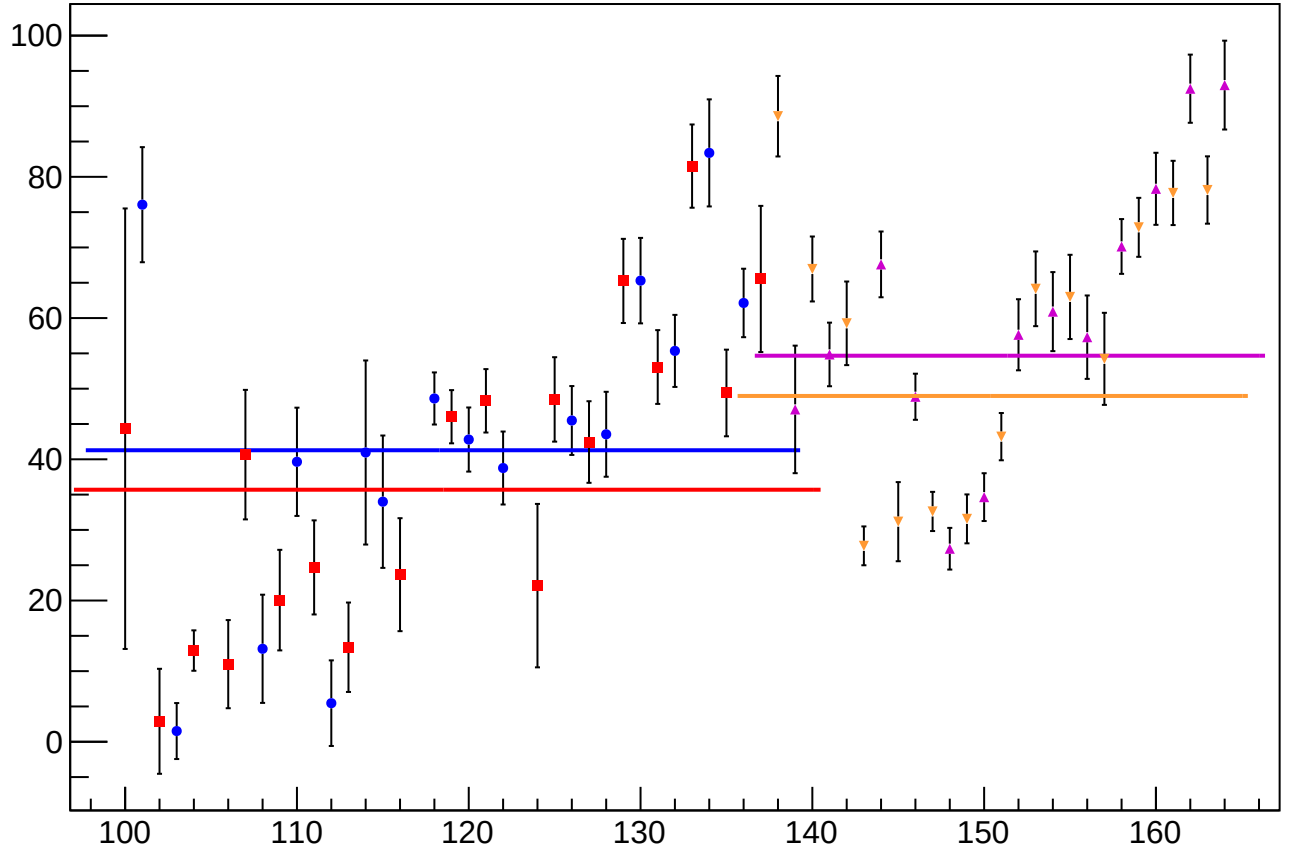
Left: 265.947+/-1.012 χ^2/NDF: 2510.2/26

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 251.461+/-0.963 χ^2/NDF:10386.1/28

Out: 229.245+/-0.903 χ^2/NDF:13971.9/32

All: 239.646+/-0.659 χ^2/NDF: 24641.3/61



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 48.971+/-1.111 χ^2/NDF:323.6/13

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 54.669+/-1.216 χ^2/NDF:270.0/12

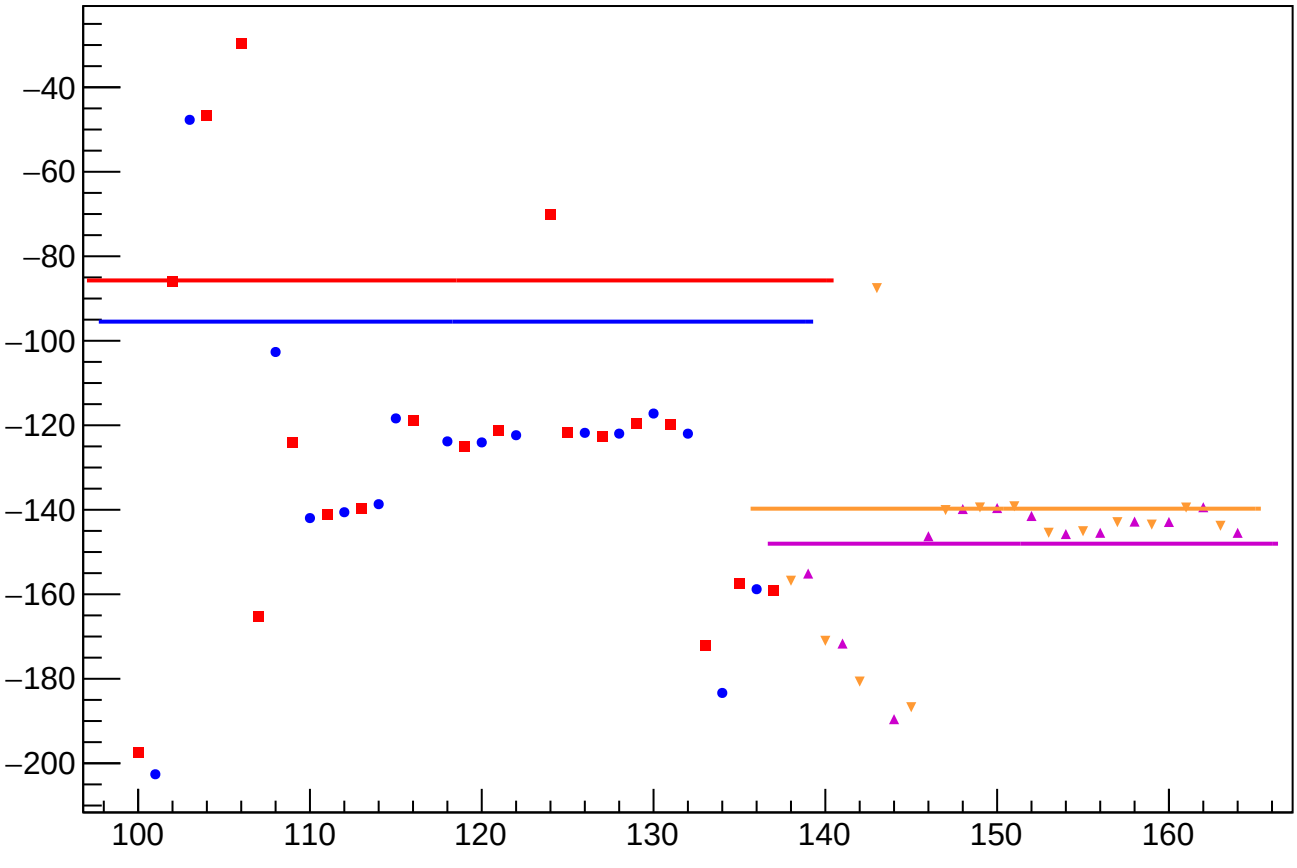
Left: 51.564+/-0.820 χ^2/NDF: 605.6/26

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 48.902+/-0.917 χ^2/NDF:568.0/28

Out: 43.450+/-0.849 χ^2/NDF:636.2/32

All: 45.966+/-0.623 χ^2/NDF: 1223.2/61



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.738+/-0.054 χ^2/NDF:231307.7/13

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -148.028+/-0.057 χ^2/NDF:50160.0/12

Left: -143.666+/-0.039 χ^2/NDF: 292563.6/26

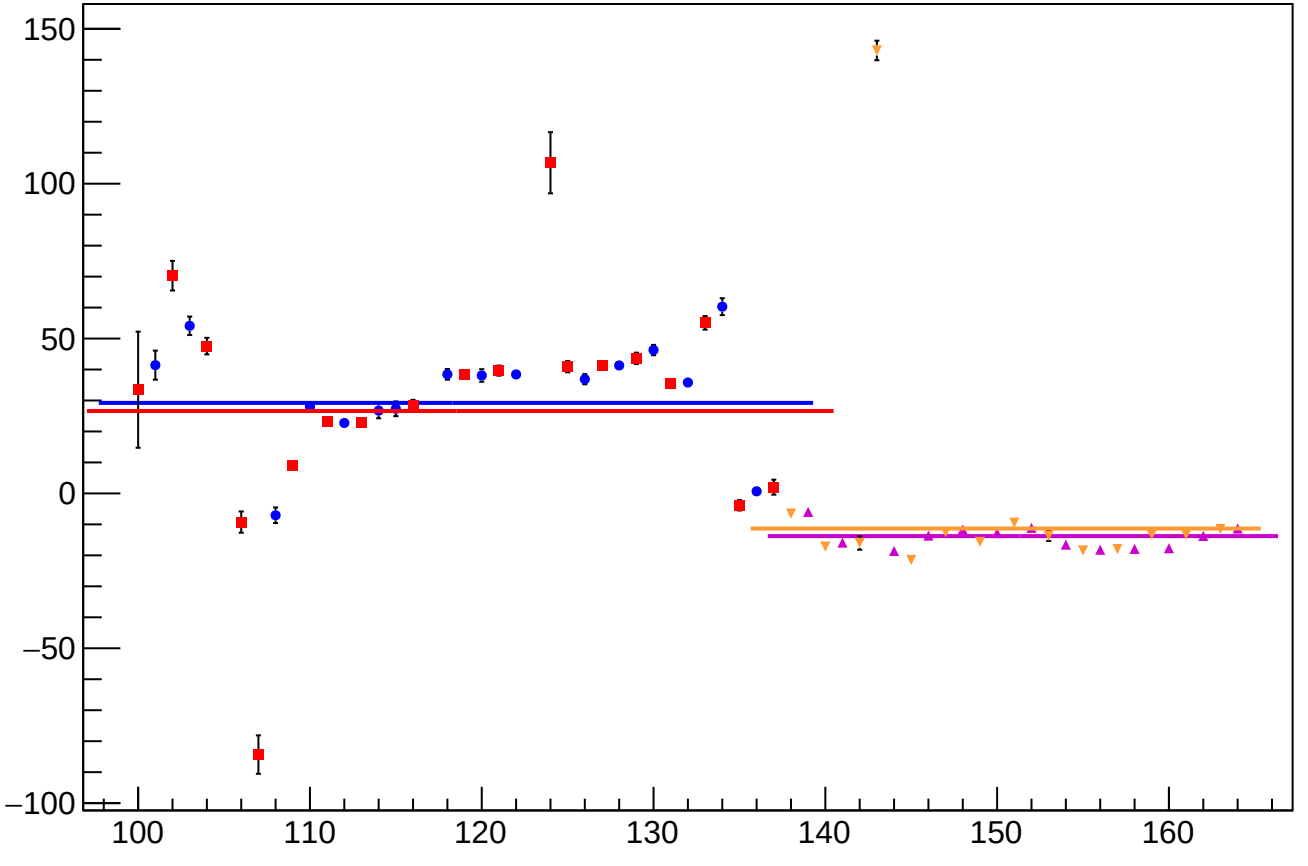
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -126.836+/-0.044 χ^2/NDF:911911.2/28

Out: -118.366+/-0.042 χ^2/NDF:1107417.1/32

All: -122.405+/-0.030 χ^2/NDF: 2038624.5/61

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: -11.340+/-0.409 χ^2/NDF:2529.7/13

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.785+/-0.403 χ^2/NDF:85.2/12

Left: -12.581+/-0.287 χ^2/NDF: 2633.0/26

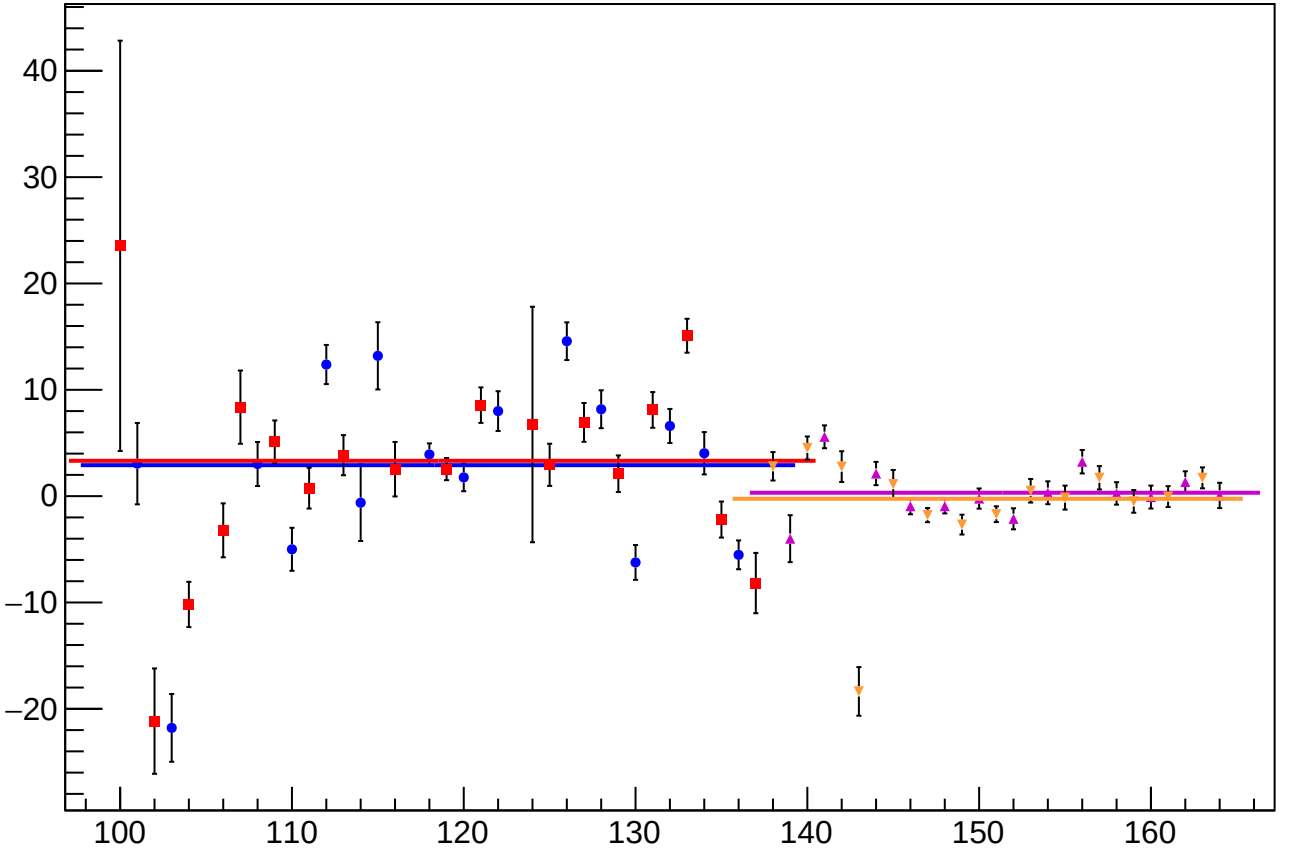
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 6.597+/-0.292 χ^2/NDF:6836.1/28

Out: 7.385+/-0.291 χ^2/NDF:8705.0/32

All: 6.992+/-0.206 χ^2/NDF: 15544.8/61

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.246+/-0.275 χ^2/NDF:116.7/13

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.321+/-0.277 χ^2/NDF:51.4/12

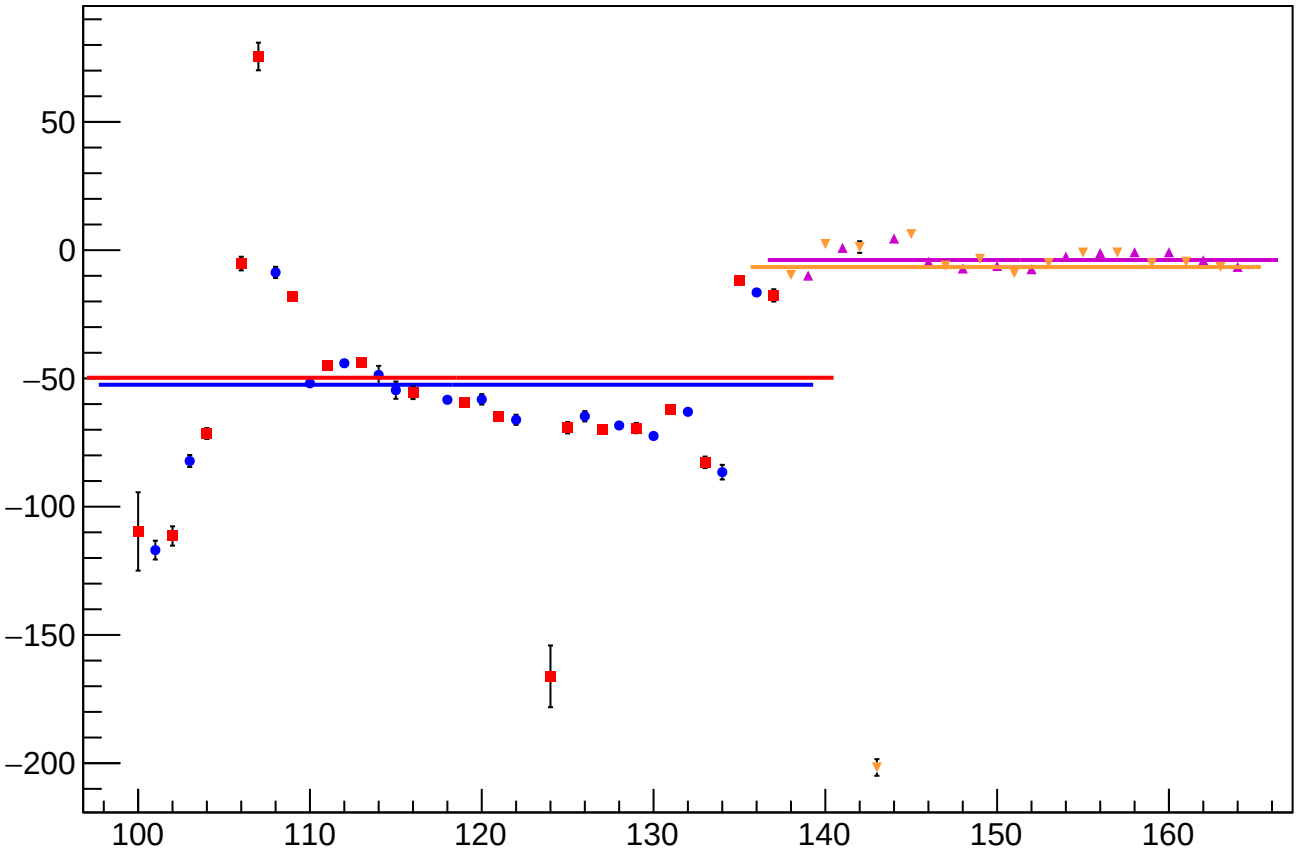
Left: 0.035+/-0.195 χ^2/NDF: 170.2/26

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.051+/-0.235 χ^2/NDF:326.0/28

Out: 0.712+/-0.235 χ^2/NDF:343.8/32

All: 0.882+/-0.166 χ^2/NDF: 670.9/61



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.581+/-0.395 χ^2/NDF:3787.7/13

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.836+/-0.388 χ^2/NDF:94.5/12

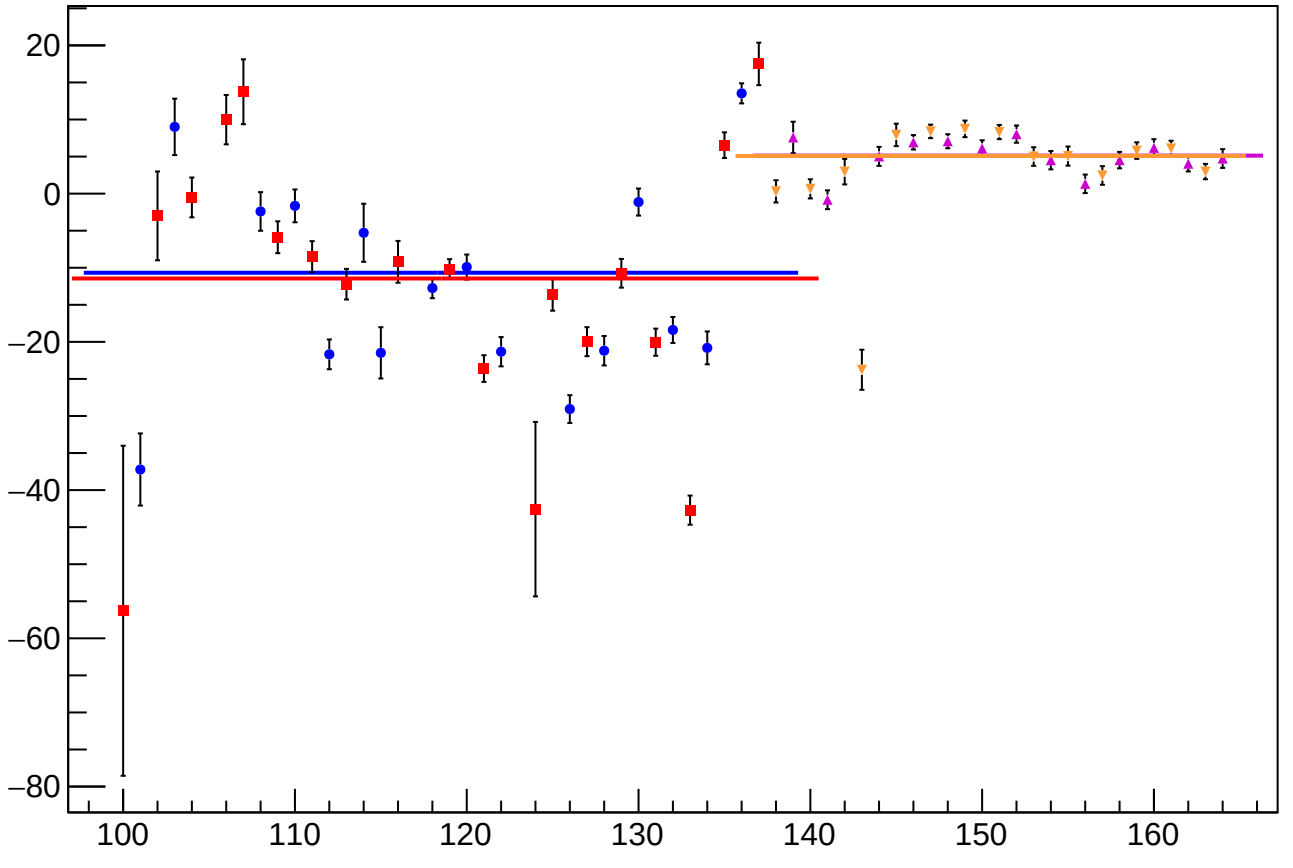
Left: -5.185+/-0.277 χ^2/NDF: 3906.8/26

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -22.690+/-0.304 χ^2/NDF:8510.9/28

Out: -23.405+/-0.308 χ^2/NDF:11452.4/32

All: -23.042+/-0.216 χ^2/NDF: 19966.0/61



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.083+/-0.323 χ^2/NDF:185.7/13

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.129+/-0.323 χ^2/NDF:49.6/12

Left: 5.106+/-0.229 χ^2/NDF: 235.3/26

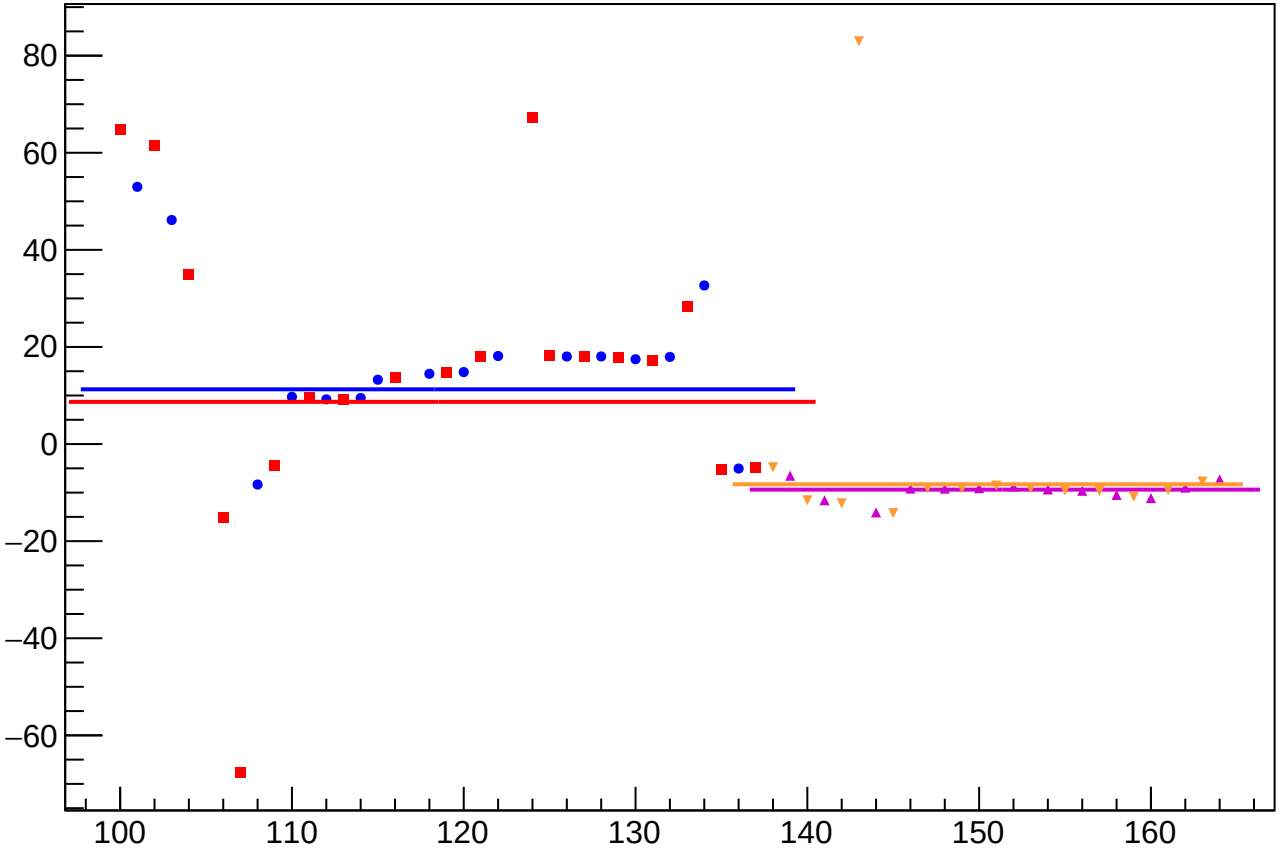
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.539+/-0.272 χ^2/NDF:1409.7/28

Out: 0.421+/-0.274 χ^2/NDF:1588.3/32

All: 0.480+/-0.193 χ^2/NDF: 2998.1/61

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: -8.284+/-0.015 χ^2/NDF:480269.8/13

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.388+/-0.015 χ^2/NDF:13234.4/12

Left: -8.849+/-0.010 χ^2/NDF: 496325.2/26

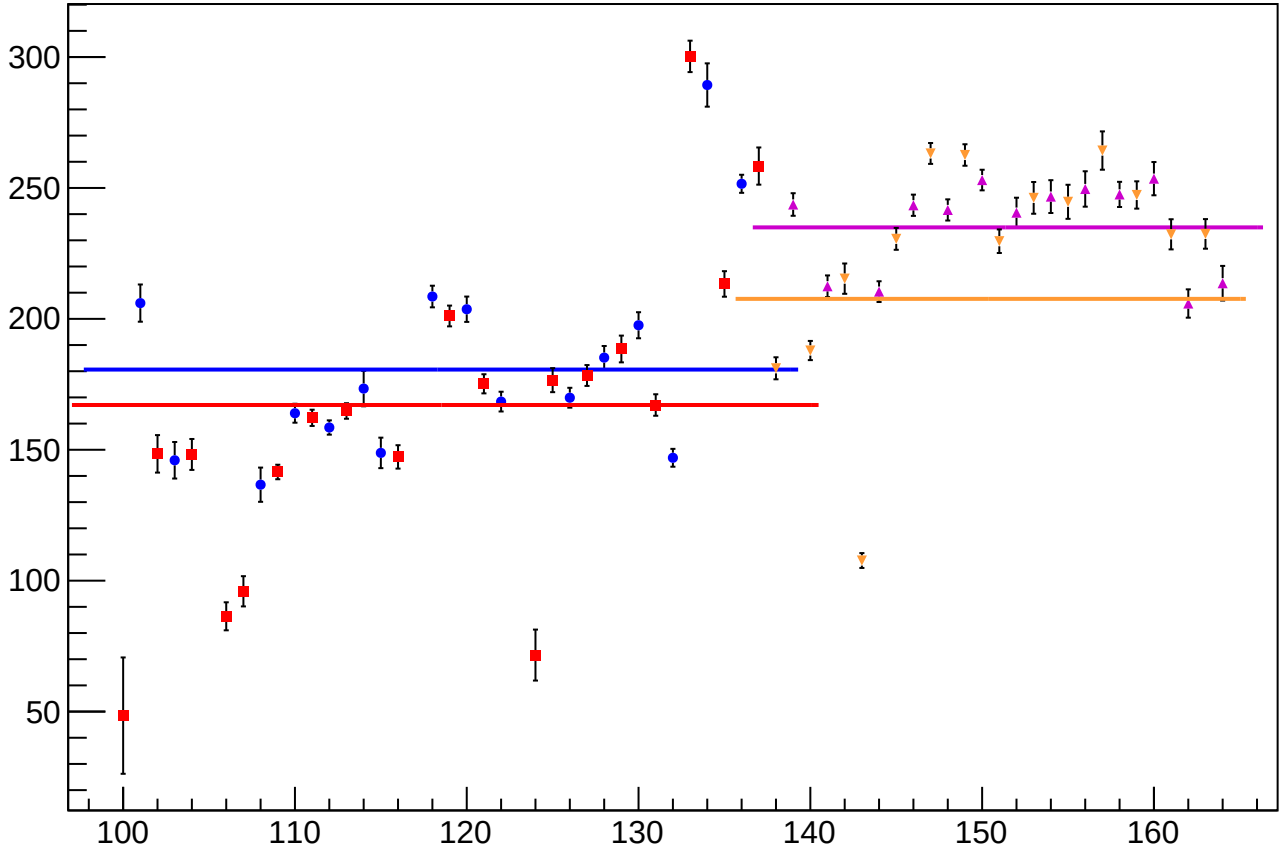
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.447+/-0.013 χ^2/NDF:748579.9/28

Out: -5.181+/-0.013 χ^2/NDF:1155155.1/32

All: -5.318+/-0.009 χ^2/NDF: 1903936.9/61

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: 207.638+/-1.212 χ^2/NDF:1962.8/13

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.939+/-1.330 χ^2/NDF:164.1/12

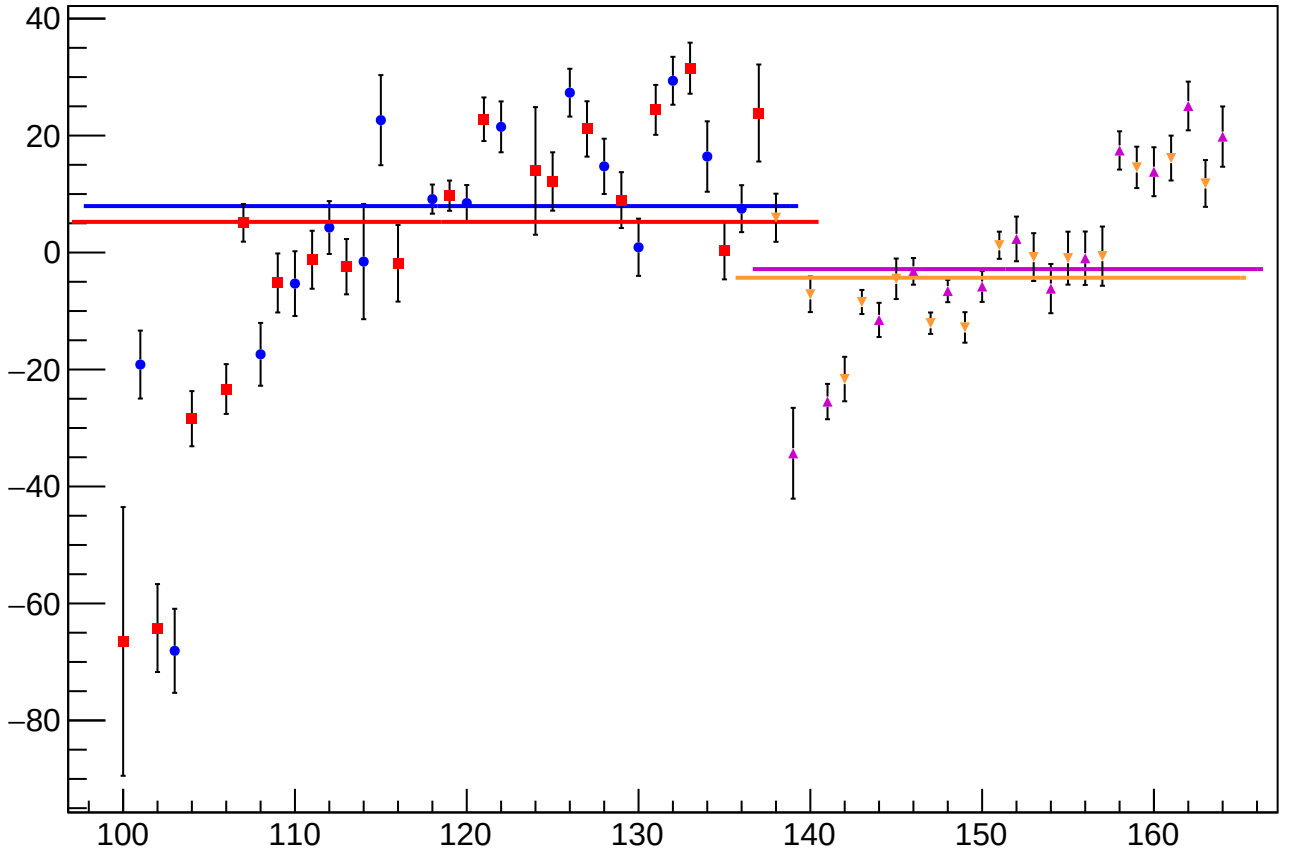
Left: 220.024+/-0.896 χ^2/NDF: 2357.2/26

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.451+/-0.843 χ^2/NDF:2155.4/28

Out: 183.929+/-0.781 χ^2/NDF:4101.9/32

All: 192.483+/-0.573 χ^2/NDF: 6517.2/61



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -4.310+/-0.805 χ^2/NDF:141.2/13

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -2.830+/-0.886 χ^2/NDF:207.7/12

Left: -3.641+/-0.596 χ^2/NDF: 350.4/26

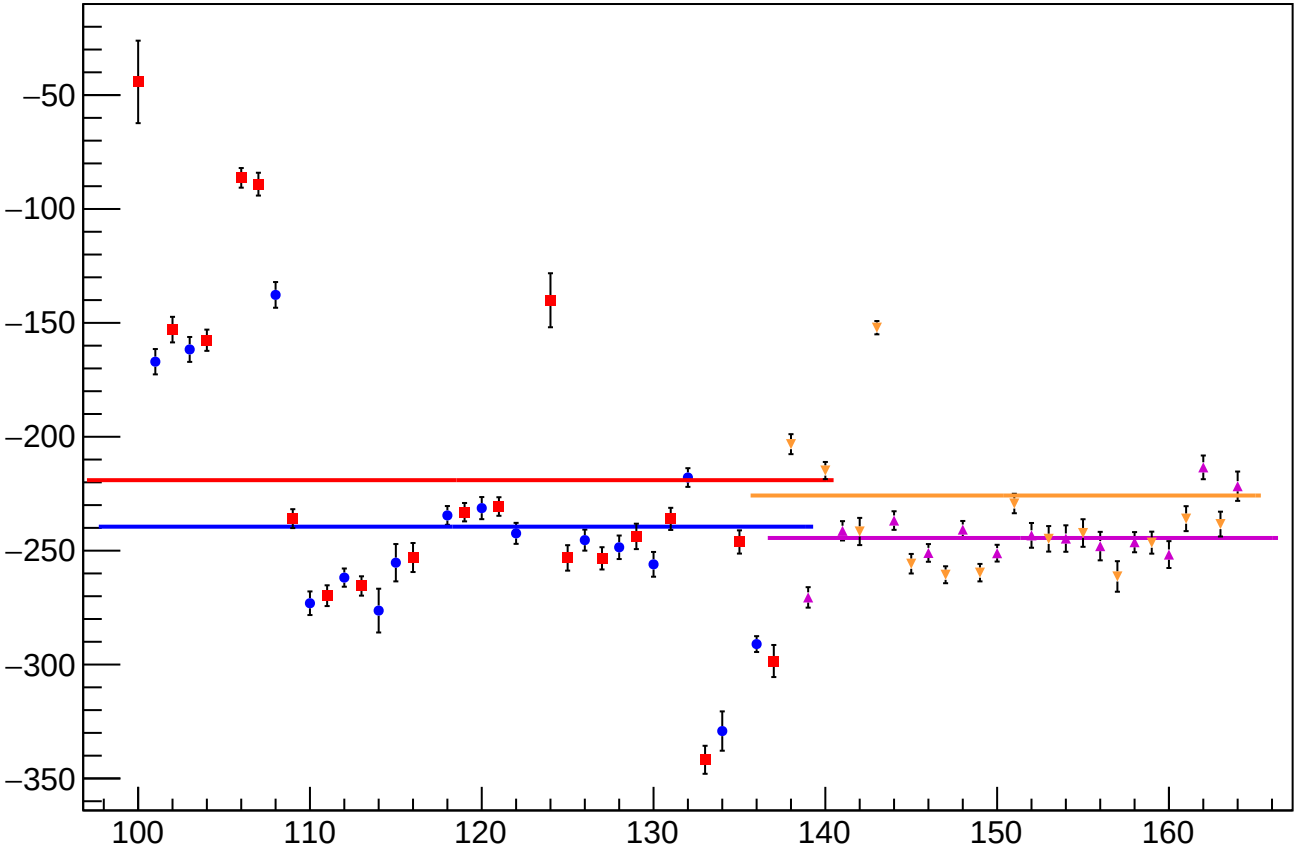
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.348+/-0.693 χ^2/NDF:497.9/28

Out: -0.824+/-0.642 χ^2/NDF:495.5/32

All: 0.178+/-0.471 χ^2/NDF: 998.7/61

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.790+/-1.188 χ^2/NDF:966.3/13

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -244.431+/-1.286 χ^2/NDF:94.9/12

Left: -234.379+/-0.873 χ^2/NDF: 1174.6/26

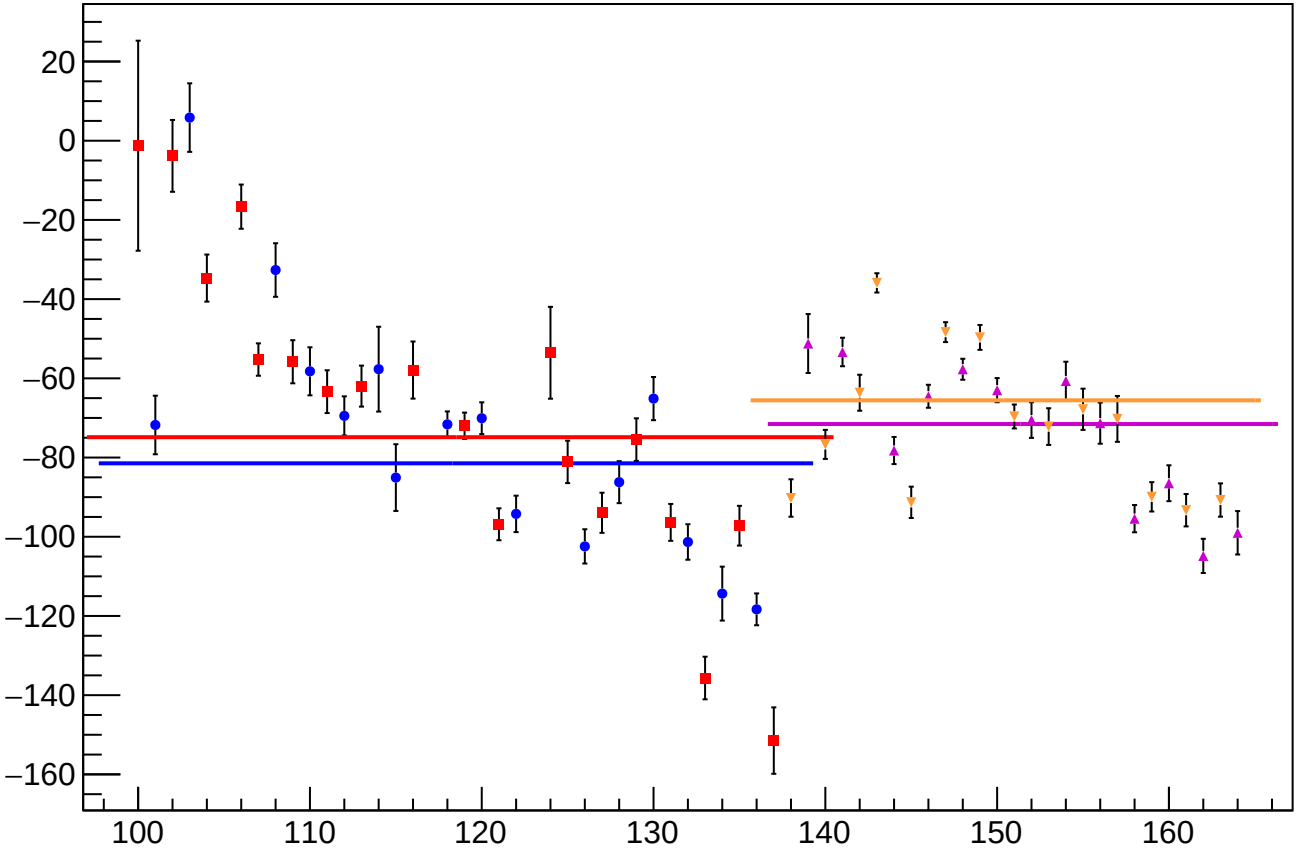
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.871+/-0.895 χ^2/NDF:1264.8/28

Out: -222.387+/-0.836 χ^2/NDF:4031.9/32

All: -231.471+/-0.611 χ^2/NDF: 5549.9/61

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -65.549+/-0.966 χ^2/NDF:429.6/13

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -71.536+/-1.055 χ^2/NDF:226.3/12

Left: -68.277+/-0.712 χ^2/NDF: 673.5/26

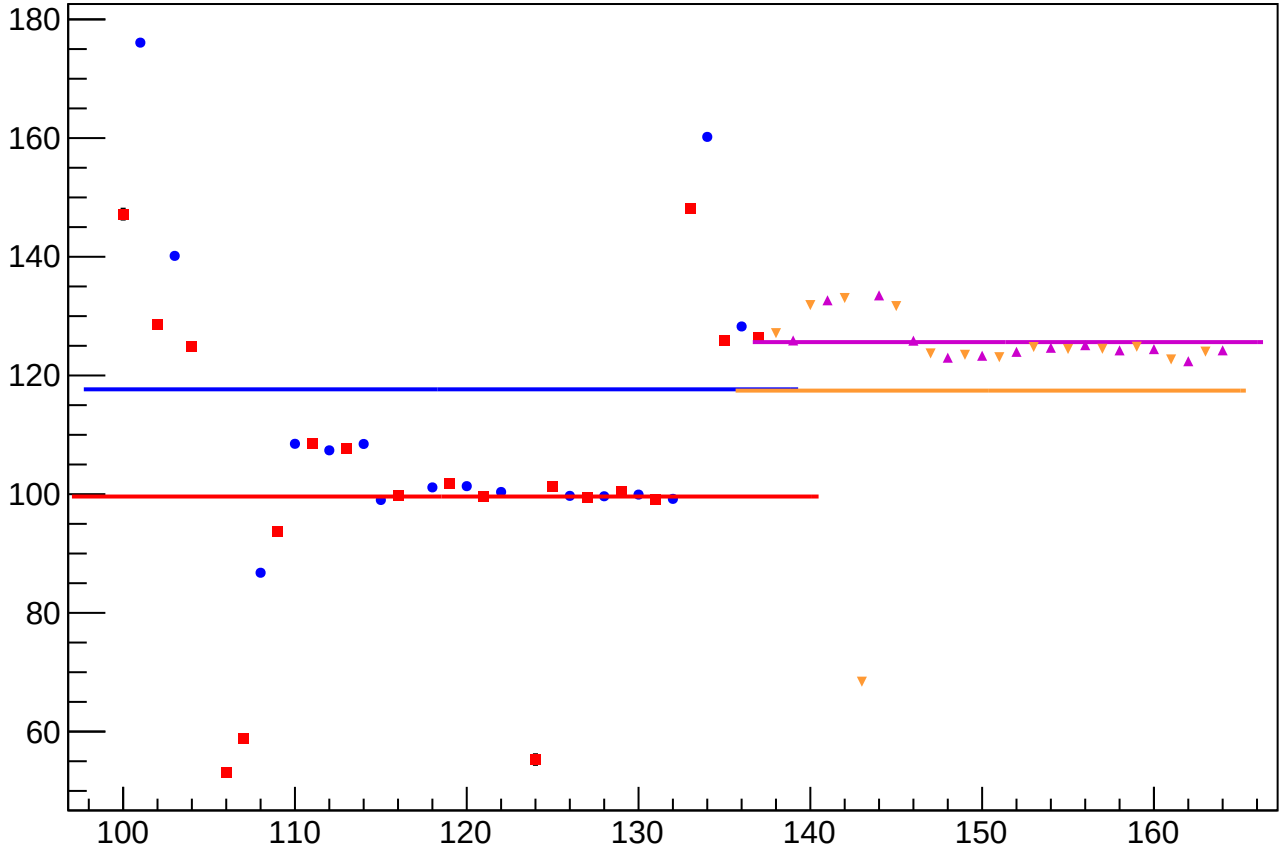
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -75.527+/-0.816 χ^2/NDF:628.4/28

Out: -69.100+/-0.760 χ^2/NDF:1041.7/32

All: -72.083+/-0.556 χ^2/NDF: 1703.3/61

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: 117.451+/-0.047 χ^2/NDF:195456.5/13

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.623+/-0.049 χ^2/NDF:4566.5/12

Left: 121.318+/-0.034 χ^2/NDF: 214454.6/26

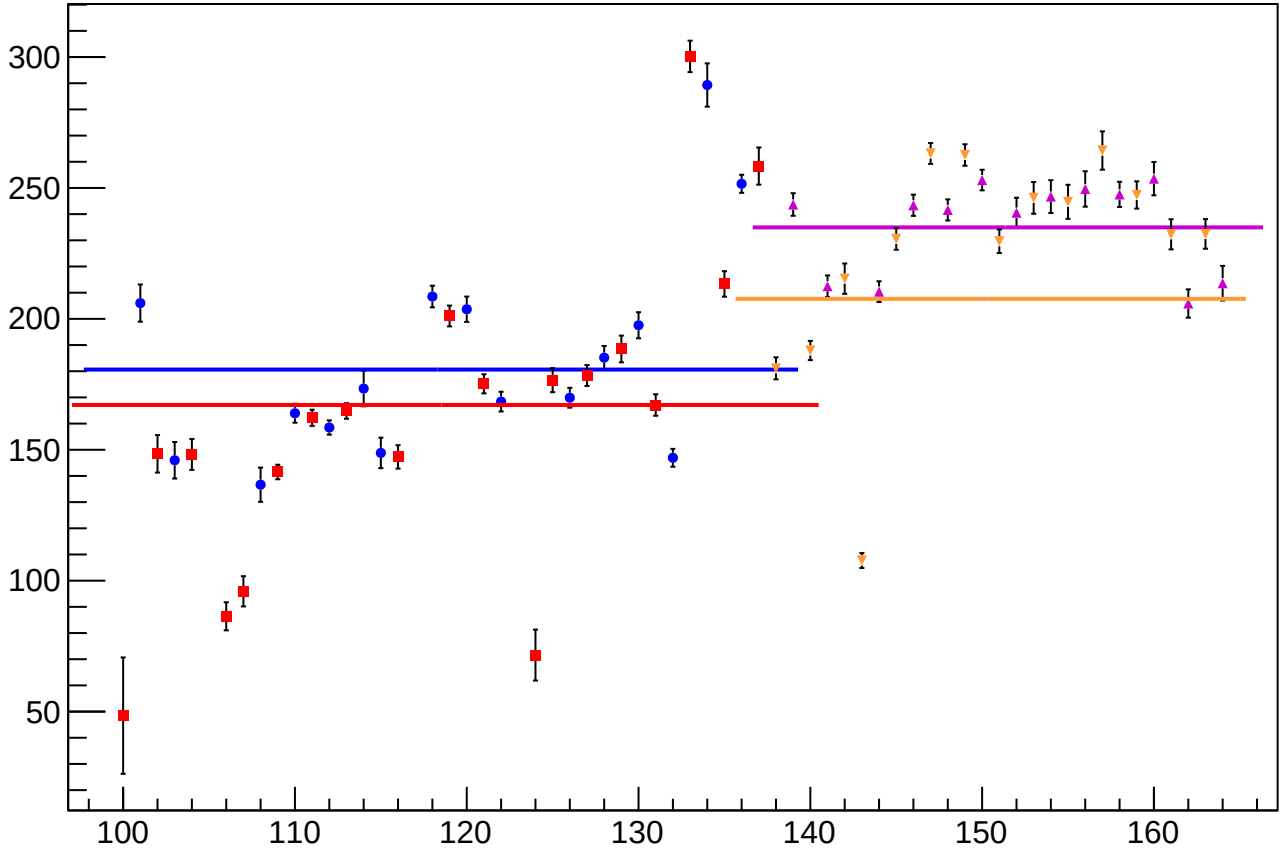
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.357+/-0.042 χ^2/NDF:107359.4/28

Out: 111.972+/-0.039 χ^2/NDF:406350.4/32

All: 117.269+/-0.028 χ^2/NDF: 553458.8/61

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: 207.638+/-1.212 χ^2/NDF:1962.8/13

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.939+/-1.330 χ^2/NDF:164.1/12

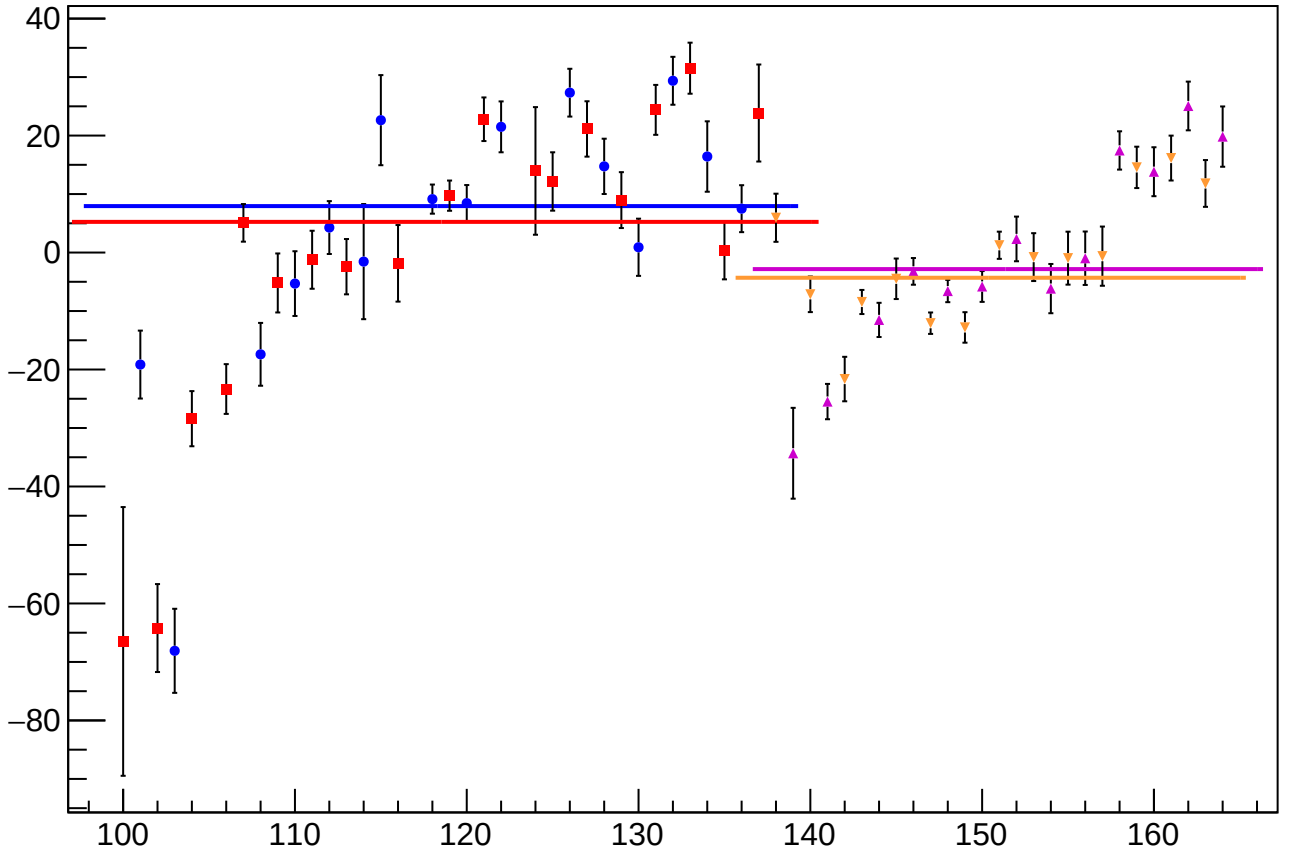
Left: 220.024+/-0.896 χ^2/NDF: 2357.2/26

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.451+/-0.843 χ^2/NDF:2155.4/28

Out: 183.929+/-0.781 χ^2/NDF:4101.9/32

All: 192.483+/-0.573 χ^2/NDF: 6517.2/61



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -4.310+/-0.805 χ^2/NDF:141.2/13

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -2.830+/-0.886 χ^2/NDF:207.7/12

Left: -3.641+/-0.596 χ^2/NDF: 350.4/26

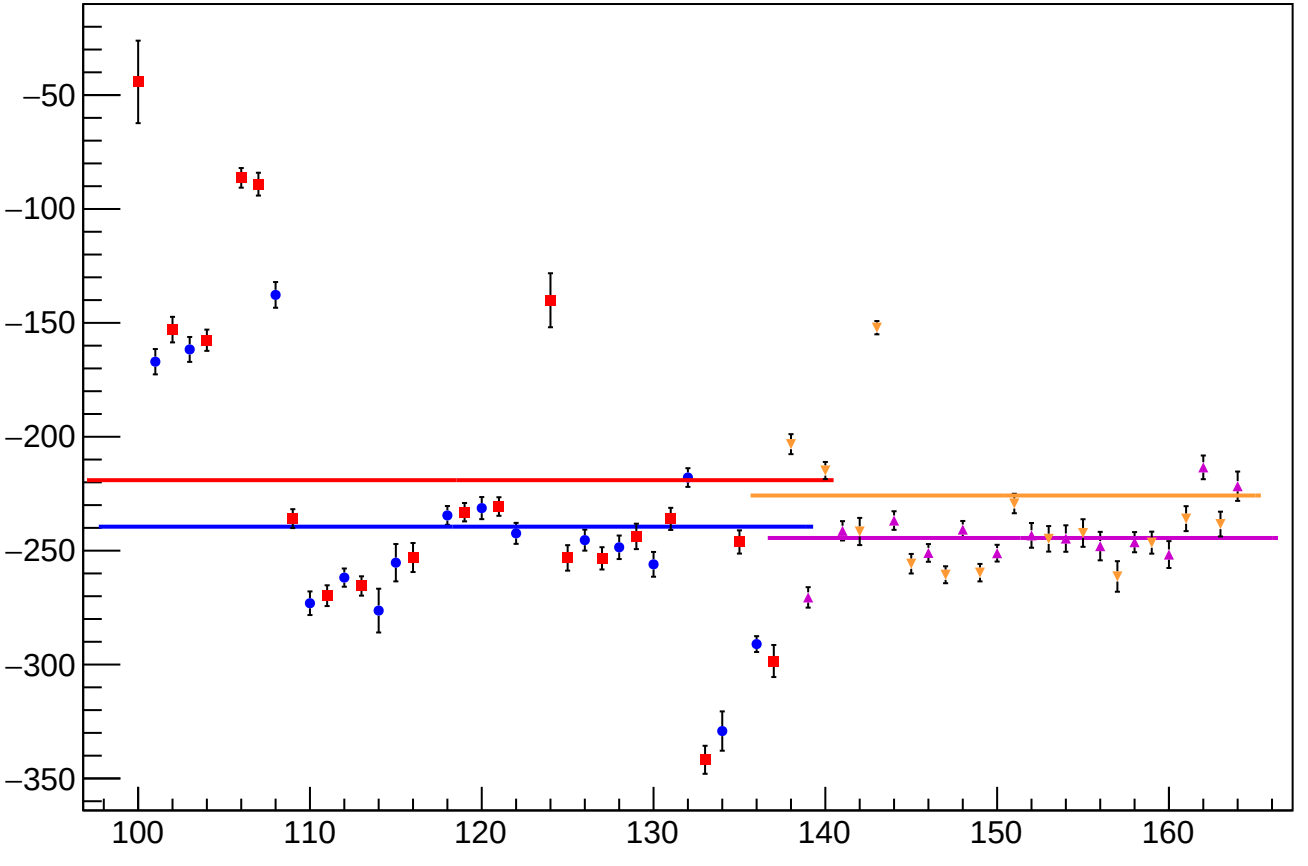
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.348+/-0.693 χ^2/NDF:497.9/28

Out: -0.824+/-0.642 χ^2/NDF:495.5/32

All: 0.178+/-0.471 χ^2/NDF: 998.7/61

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: -225.790+/-1.188 χ^2/NDF:966.3/13

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -244.431+/-1.286 χ^2/NDF:94.9/12

Left: -234.379+/-0.873 χ^2/NDF: 1174.6/26

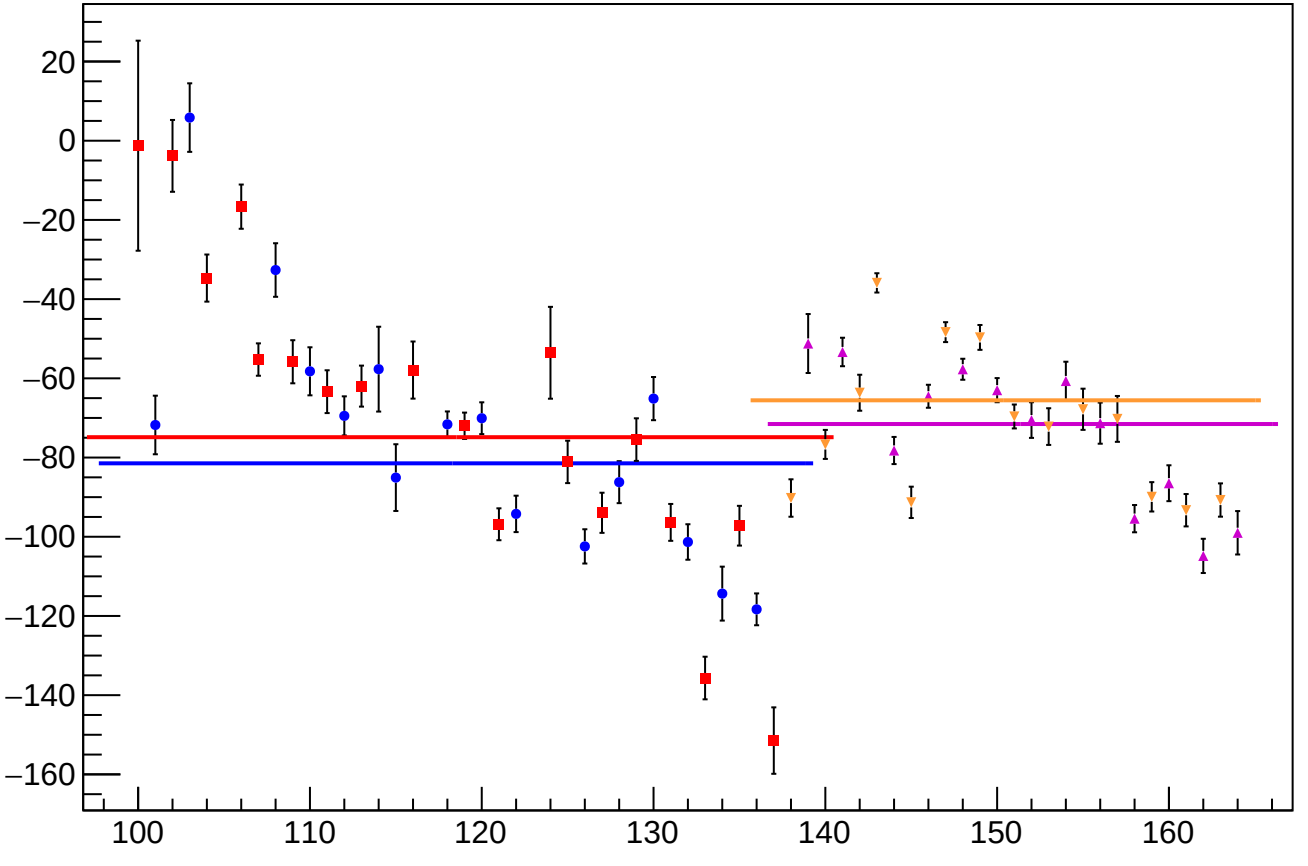
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -241.871+/-0.895 χ^2/NDF:1264.8/28

Out: -222.387+/-0.836 χ^2/NDF:4031.9/32

All: -231.471+/-0.611 χ^2/NDF: 5549.9/61

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: -65.549+/-0.966 χ^2/NDF:429.6/13

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -71.536+/-1.055 χ^2/NDF:226.3/12

Left: -68.277+/-0.712 χ^2/NDF: 673.5/26

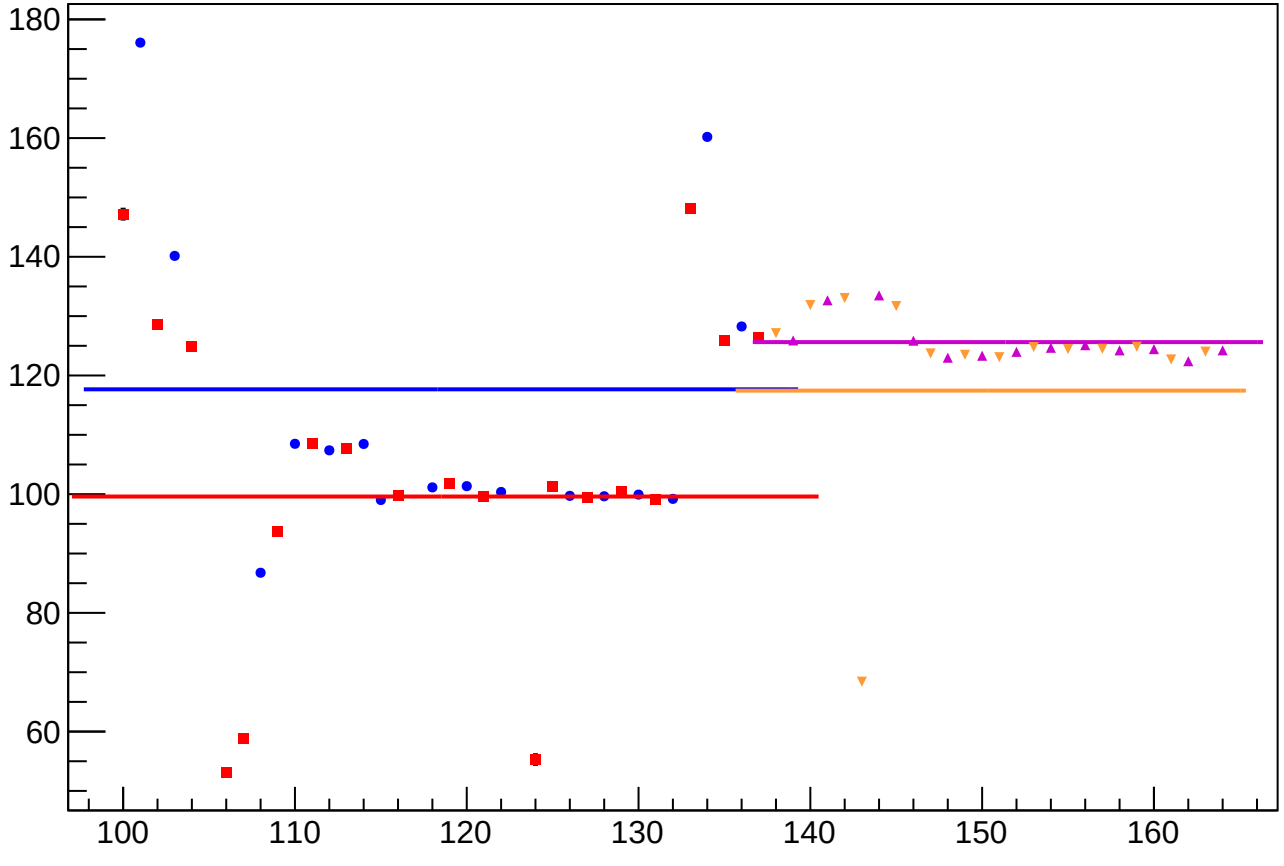
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -75.527+/-0.816 χ^2/NDF:628.4/28

Out: -69.100+/-0.760 χ^2/NDF:1041.7/32

All: -72.083+/-0.556 χ^2/NDF: 1703.3/61

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.451+/-0.047 χ^2/NDF:195456.5/13

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.623+/-0.049 χ^2/NDF:4566.5/12

Left: 121.318+/-0.034 χ^2/NDF: 214454.6/26

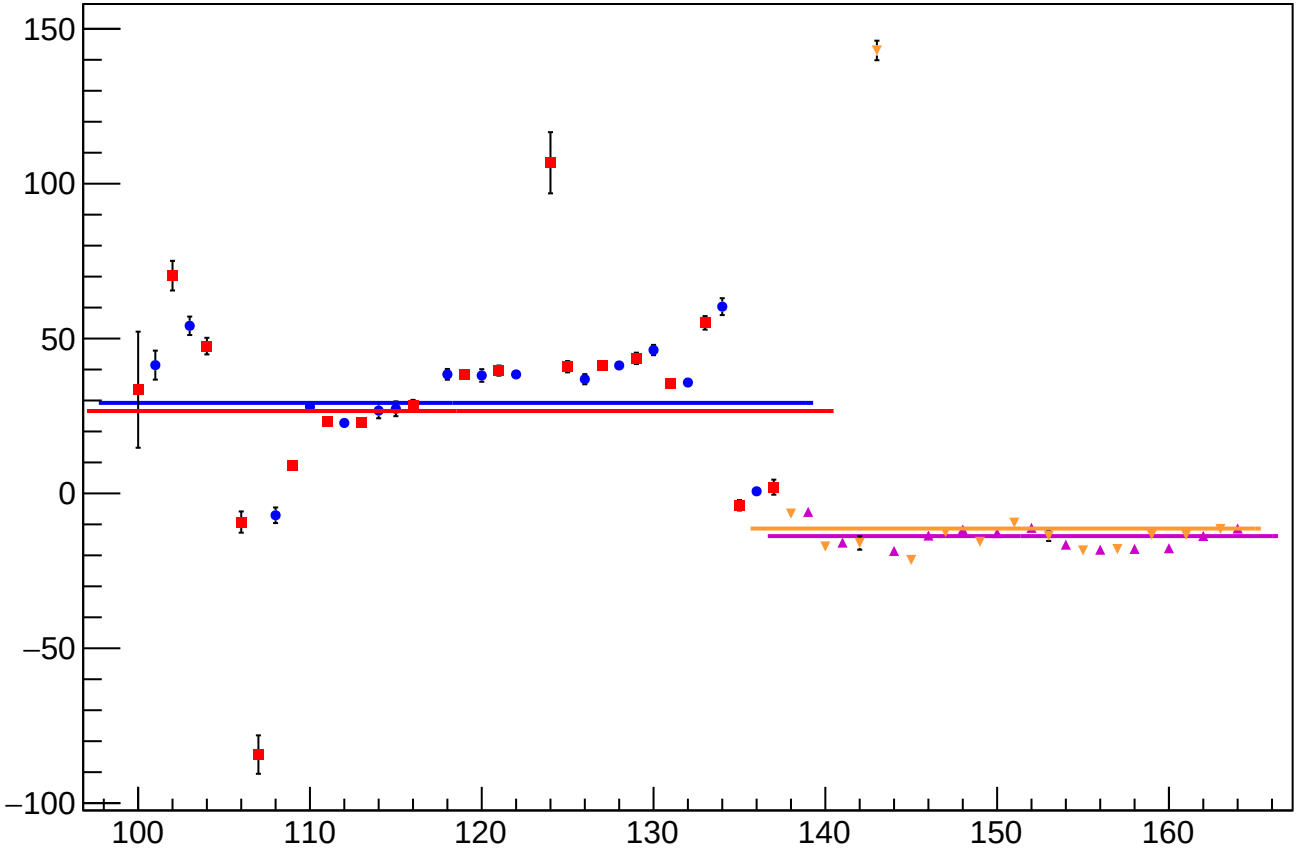
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.357+/-0.042 χ^2/NDF:107359.4/28

Out: 111.972+/-0.039 χ^2/NDF:406350.4/32

All: 117.269+/-0.028 χ^2/NDF: 553458.8/61

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: -11.340+/-0.409 χ^2/NDF:2529.7/13

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.785+/-0.403 χ^2/NDF:85.2/12

Left: -12.581+/-0.287 χ^2/NDF: 2633.0/26

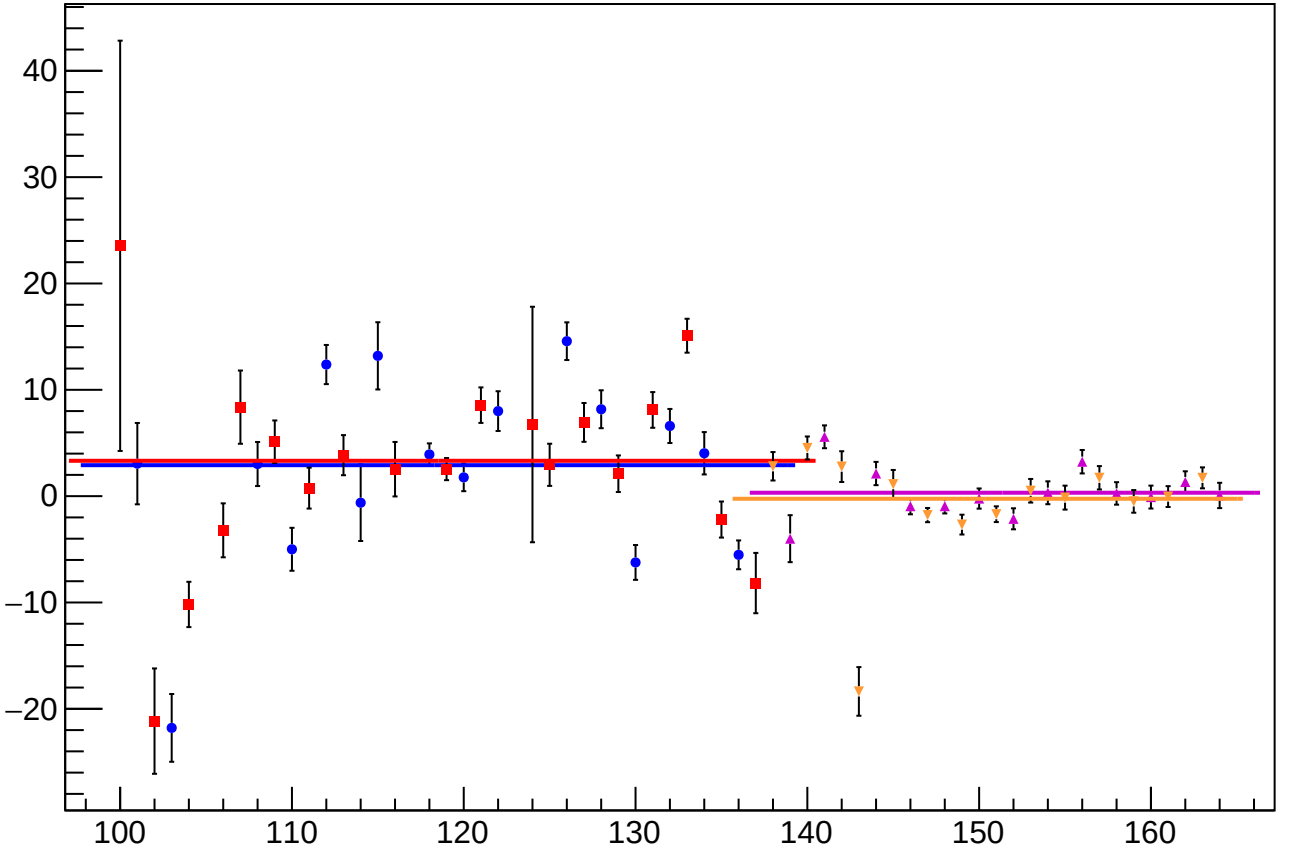
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 6.597+/-0.292 χ^2/NDF:6836.1/28

Out: 7.385+/-0.291 χ^2/NDF:8705.0/32

All: 6.992+/-0.206 χ^2/NDF: 15544.8/61

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: -0.246+/-0.275 χ^2/NDF:116.7/13

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.321+/-0.277 χ^2/NDF:51.4/12

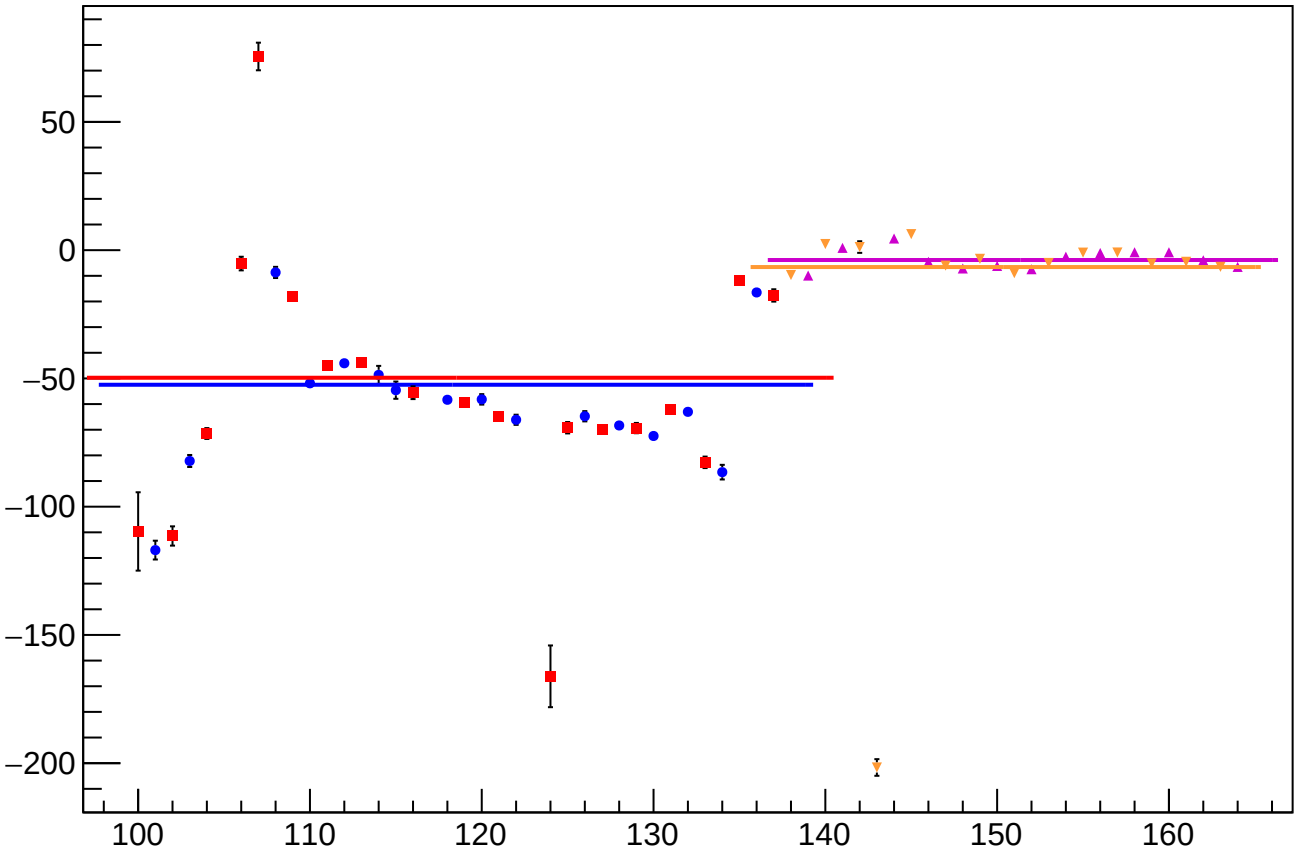
Left: 0.035+/-0.195 χ^2/NDF: 170.2/26

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.051+/-0.235 χ^2/NDF:326.0/28

Out: 0.712+/-0.235 χ^2/NDF:343.8/32

All: 0.882+/-0.166 χ^2/NDF: 670.9/61



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.581+/-0.395 χ^2/NDF:3787.7/13

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.836+/-0.388 χ^2/NDF:94.5/12

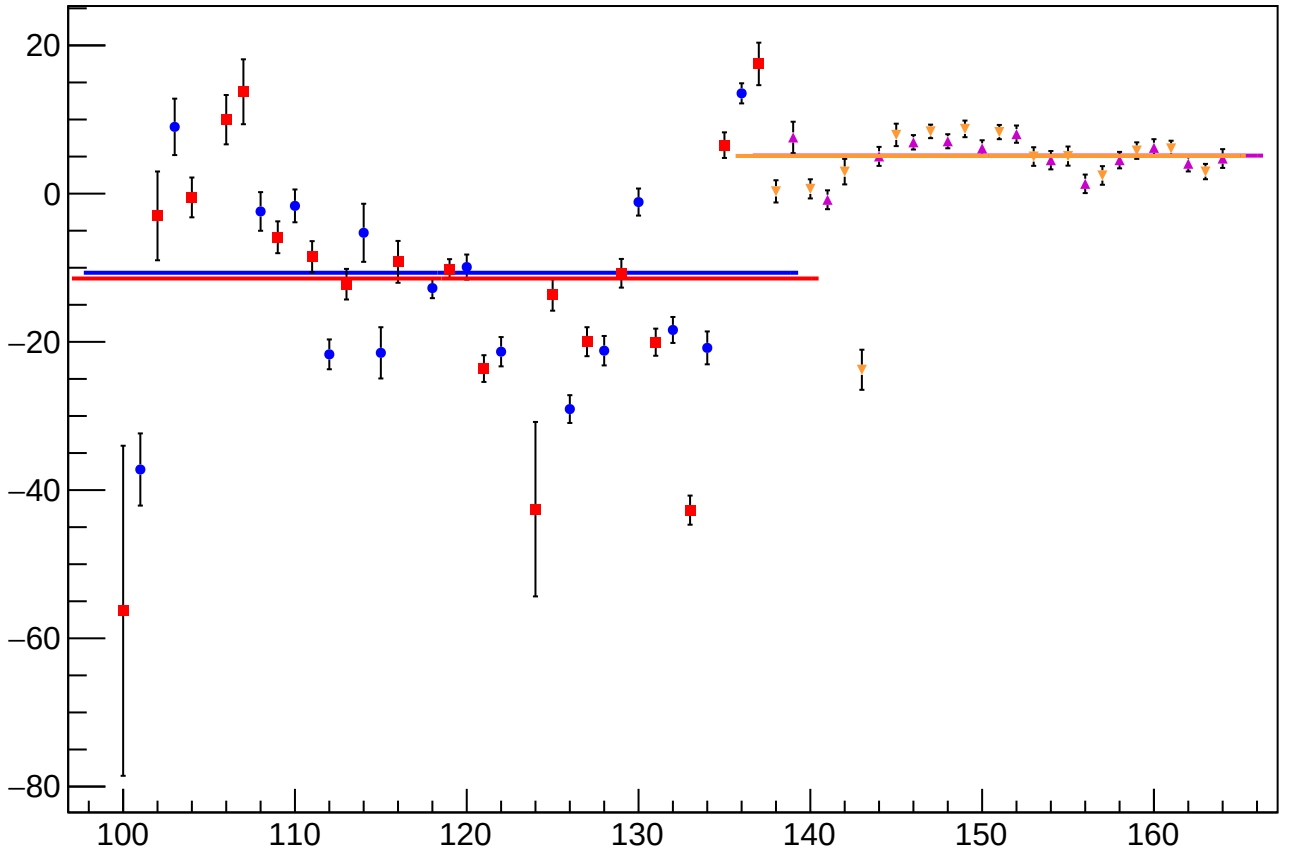
Left: -5.185+/-0.277 χ^2/NDF: 3906.8/26

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -22.690+/-0.304 χ^2/NDF:8510.9/28

Out: -23.405+/-0.308 χ^2/NDF:11452.4/32

All: -23.042+/-0.216 χ^2/NDF: 19966.0/61



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.083+/-0.323 χ^2/NDF:185.7/13

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.129+/-0.323 χ^2/NDF:49.6/12

Left: 5.106+/-0.229 χ^2/NDF: 235.3/26

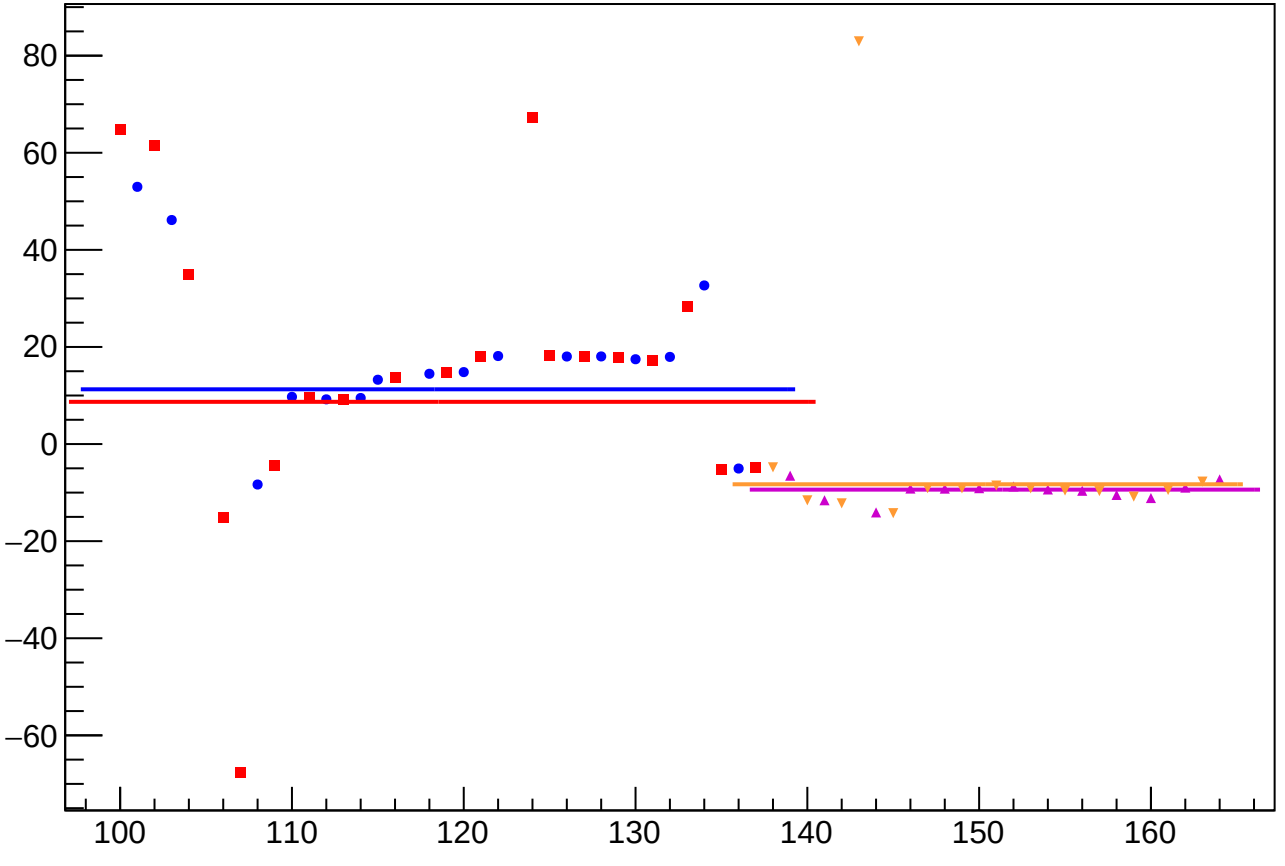
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.539+/-0.272 χ^2/NDF:1409.7/28

Out: 0.421+/-0.274 χ^2/NDF:1588.3/32

All: 0.480+/-0.193 χ^2/NDF: 2998.1/61

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: -8.284+/-0.015 χ^2/NDF:480269.8/13

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.388+/-0.015 χ^2/NDF:13234.4/12

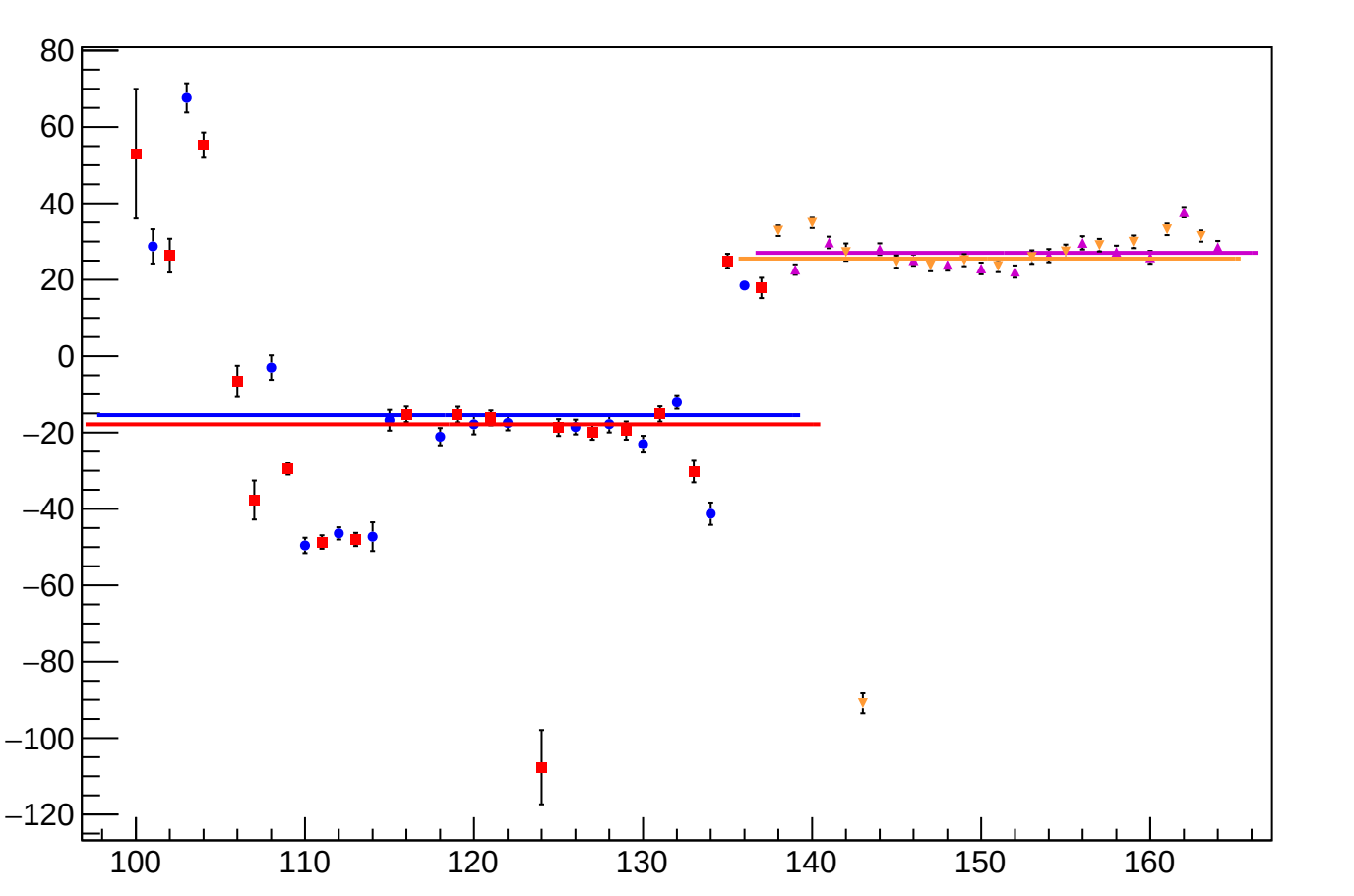
Left: -8.849+/-0.010 χ^2/NDF: 496325.2/26

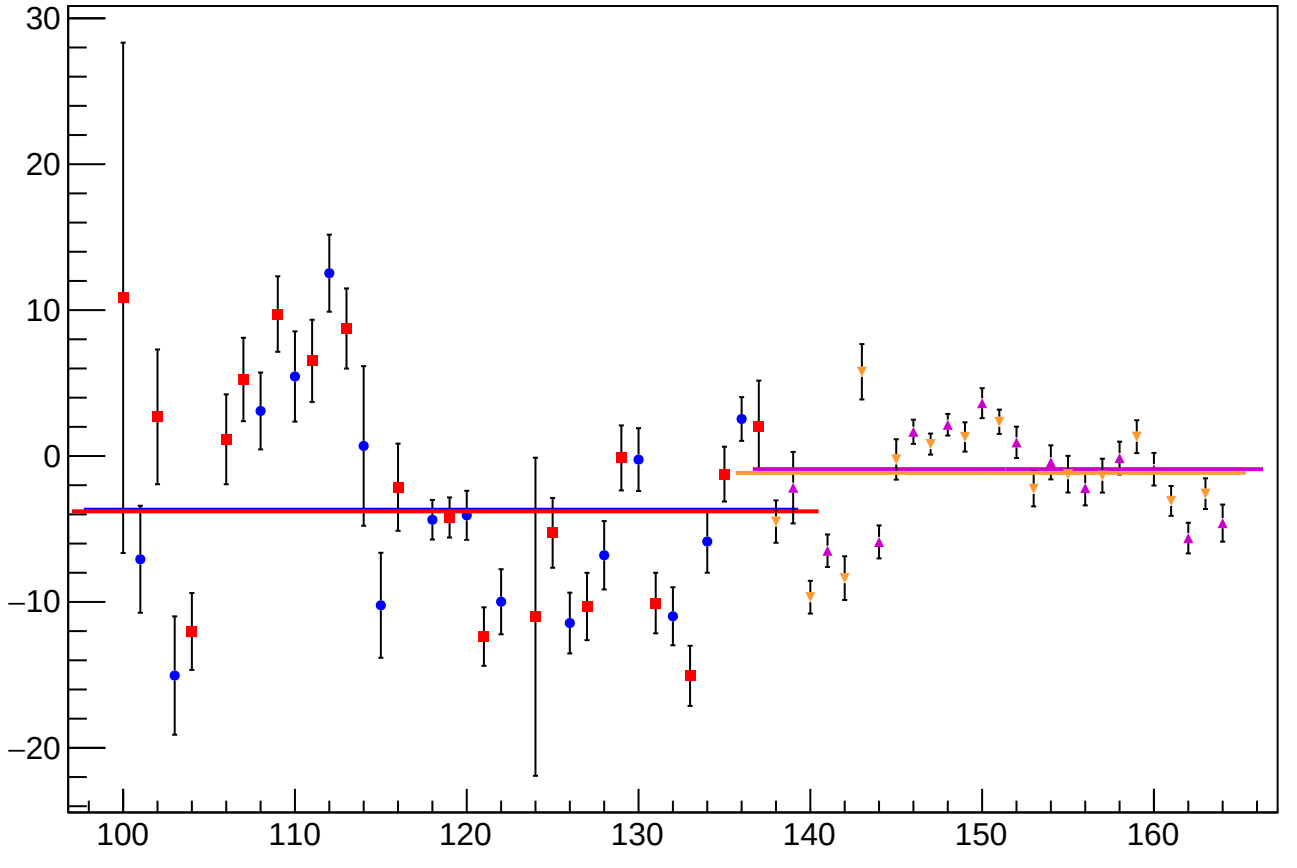
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.447+/-0.013 χ^2/NDF:748579.9/28

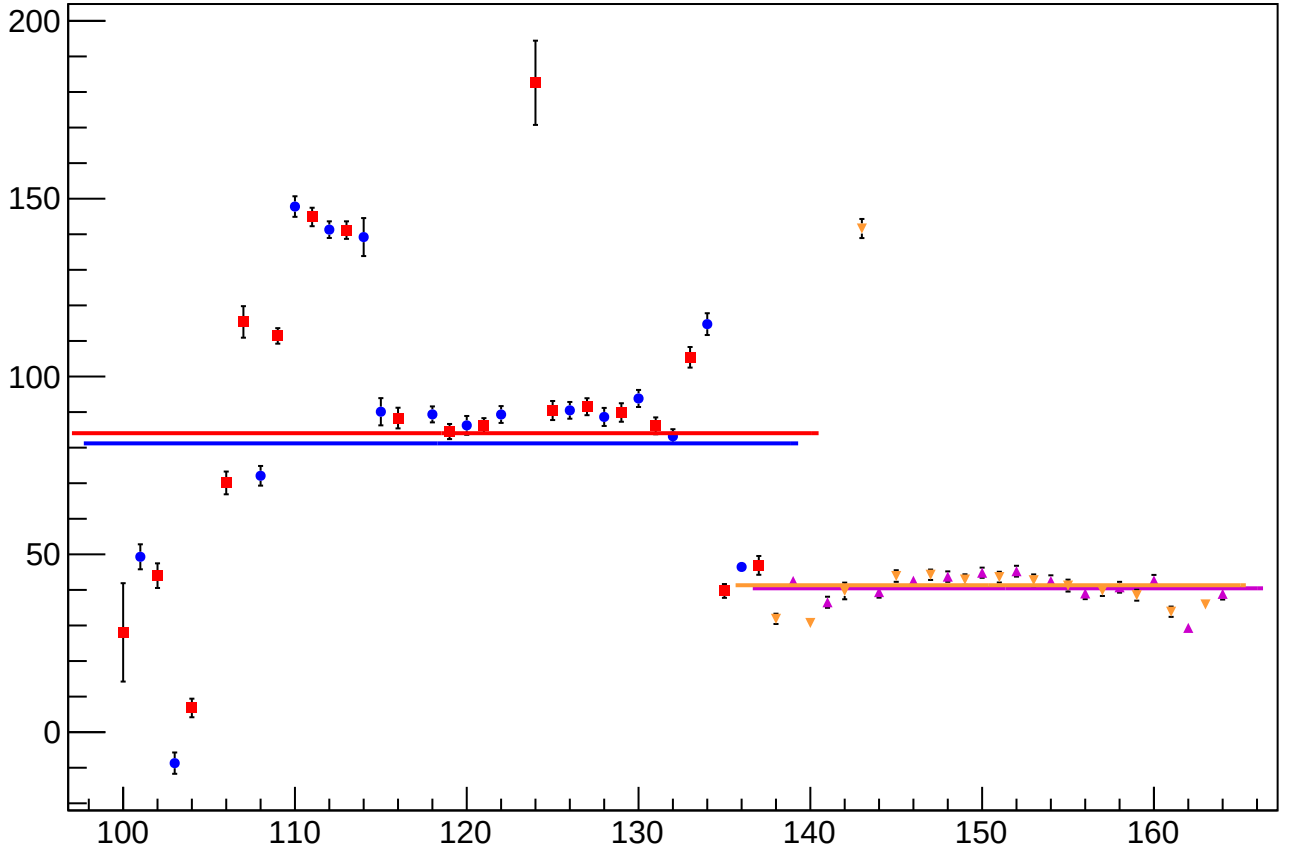
Out: -5.181+/-0.013 χ^2/NDF:1155155.1/32

All: -5.318+/-0.009 χ^2/NDF: 1903936.9/61


reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 25.523+/-0.436 χ²/NDF:2121.2/13
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 27.035+/-0.431 χ²/NDF:101.1/12
Left: 26.288+/-0.306 χ²/NDF: 2228.4/26
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 10.483+/-0.337 χ²/NDF:6014.3/28
Out: 8.023+/-0.336 χ²/NDF:8246.5/32
All: 9.253+/-0.238 χ²/NDF: 14287.5/61


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -1.155+/-0.294 χ²/NDF:142.3/13
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.899+/-0.296 χ²/NDF:124.2/12
Left: -1.028+/-0.209 χ²/NDF: 266.8/26
Right: -3.734+/-0.394 χ²/NDF: 285.2/34
In: -1.521+/-0.261 χ²/NDF:267.9/28
Out: -1.718+/-0.261 χ²/NDF:320.7/32
All: -1.619+/-0.184 χ²/NDF: 588.8/61

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.314+/-0.421 χ^2/NDF:1552.1/13

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.450+/-0.415 χ^2/NDF:113.1/12

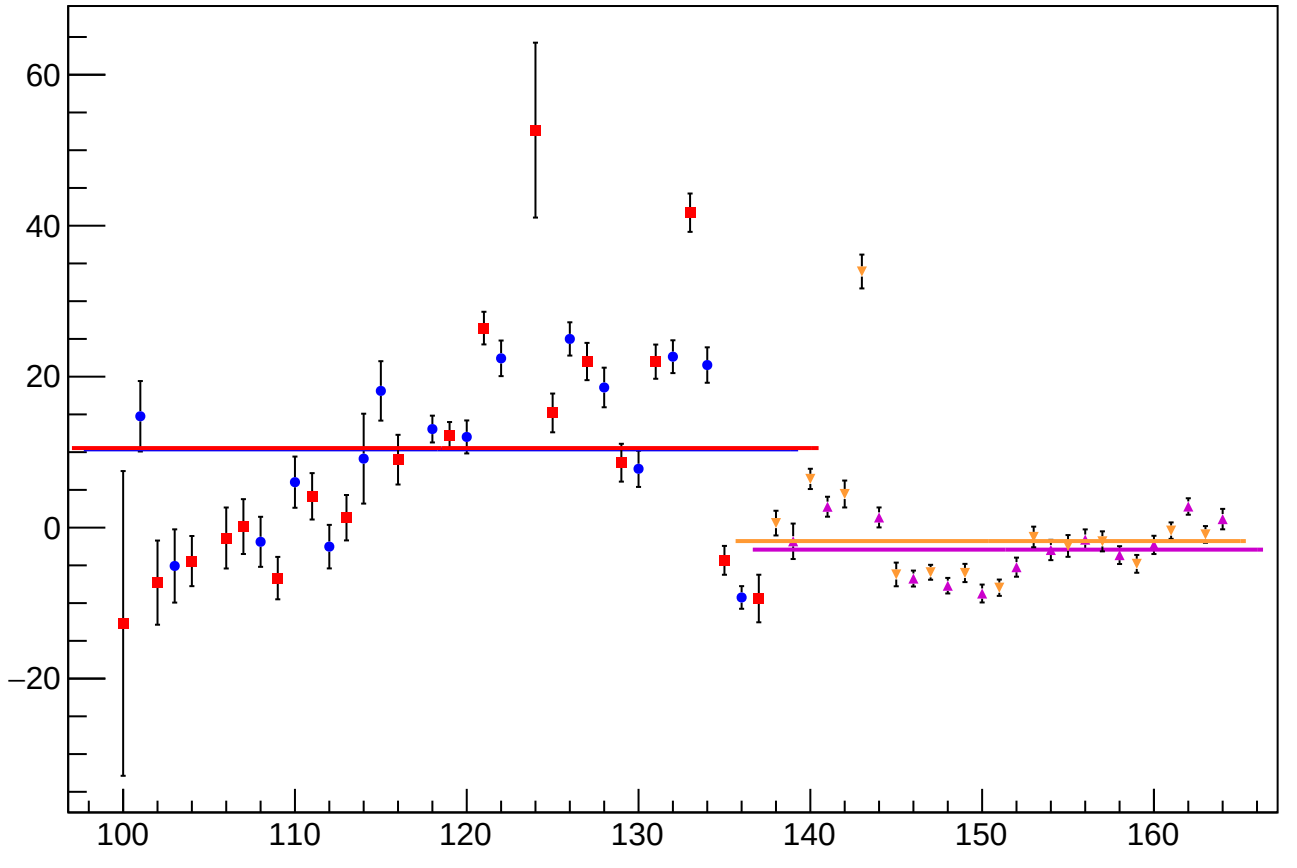
Left: 40.876+/-0.296 χ^2/NDF: 1667.4/26

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 53.444+/-0.343 χ^2/NDF:6413.4/28

Out: 54.936+/-0.348 χ^2/NDF:8037.5/32

All: 54.179+/-0.244 χ^2/NDF: 14460.2/61



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.782+/-0.345 χ^2/NDF:385.5/13

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -2.916+/-0.345 χ^2/NDF:129.2/12

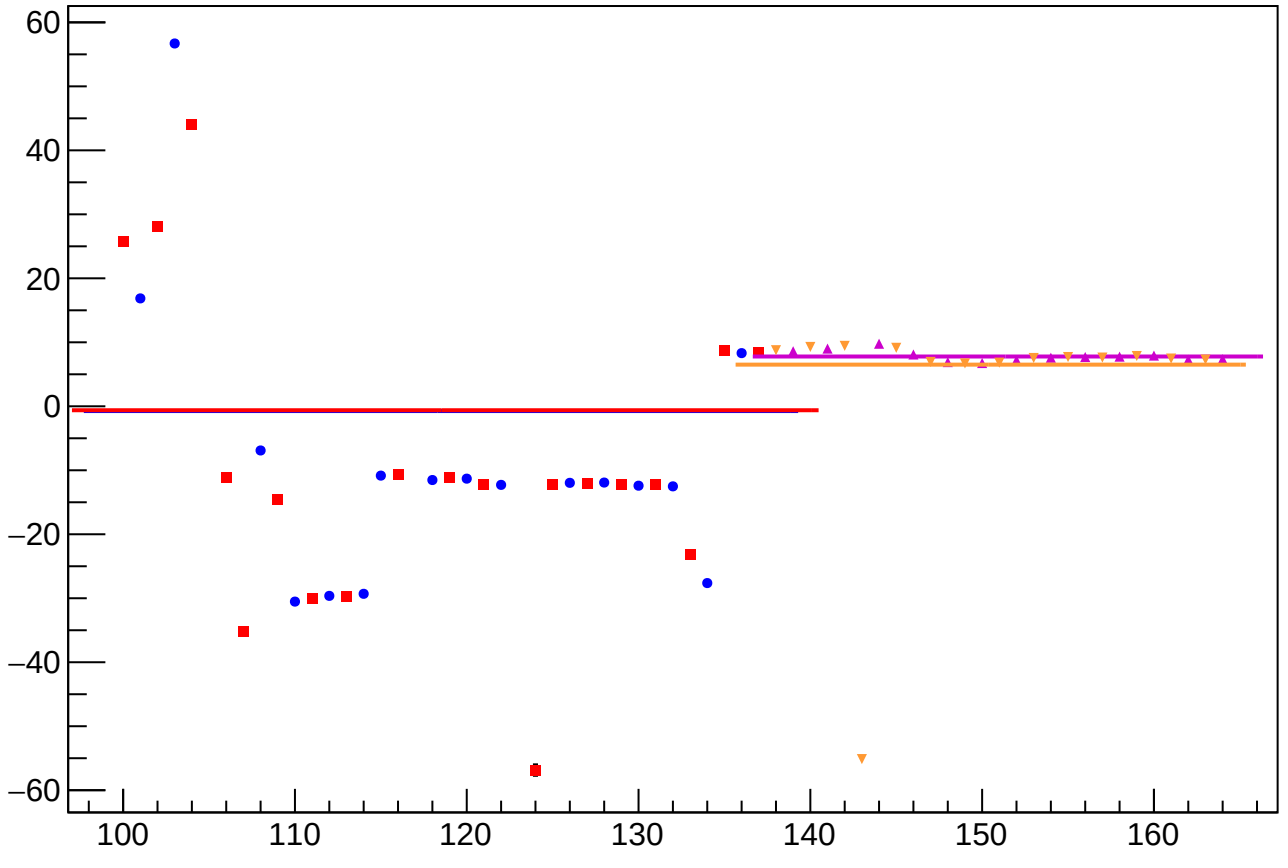
Left: -2.349+/-0.244 χ^2/NDF: 520.1/26

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.179+/-0.302 χ^2/NDF:833.7/28

Out: 0.995+/-0.304 χ^2/NDF:1143.1/32

All: 0.585+/-0.214 χ^2/NDF: 1980.4/61



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.509+/-0.016 χ^2/NDF:313106.0/13

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.780+/-0.016 χ^2/NDF:2291.6/12

Left: 7.158+/-0.011 χ^2/NDF: 318664.8/26

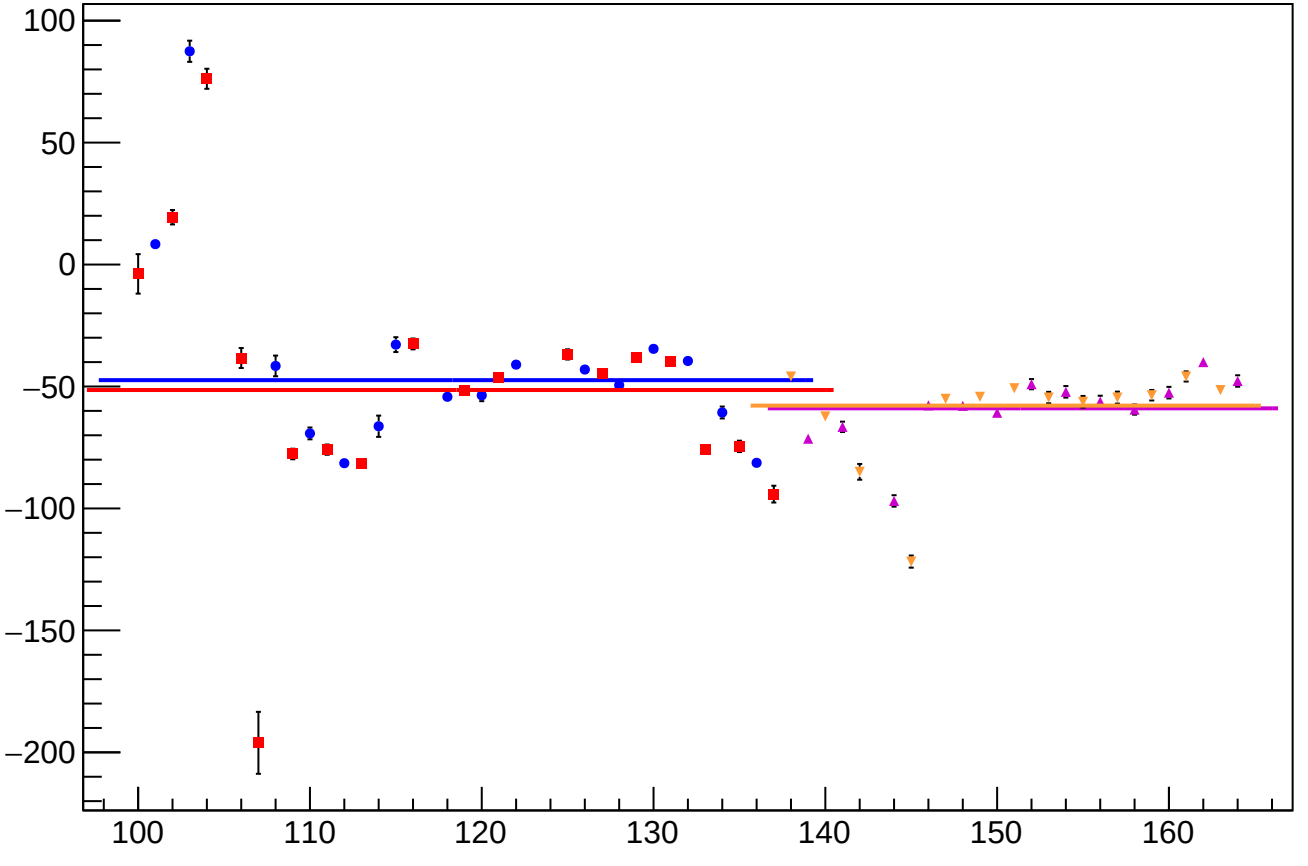
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.431+/-0.014 χ^2/NDF:417807.6/28

Out: 5.417+/-0.015 χ^2/NDF:660463.1/32

All: 5.936+/-0.010 χ^2/NDF: 1080734.7/61

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -57.835+/-0.587 χ^2/NDF:849.8/12

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -58.954+/-0.574 χ^2/NDF:486.5/12

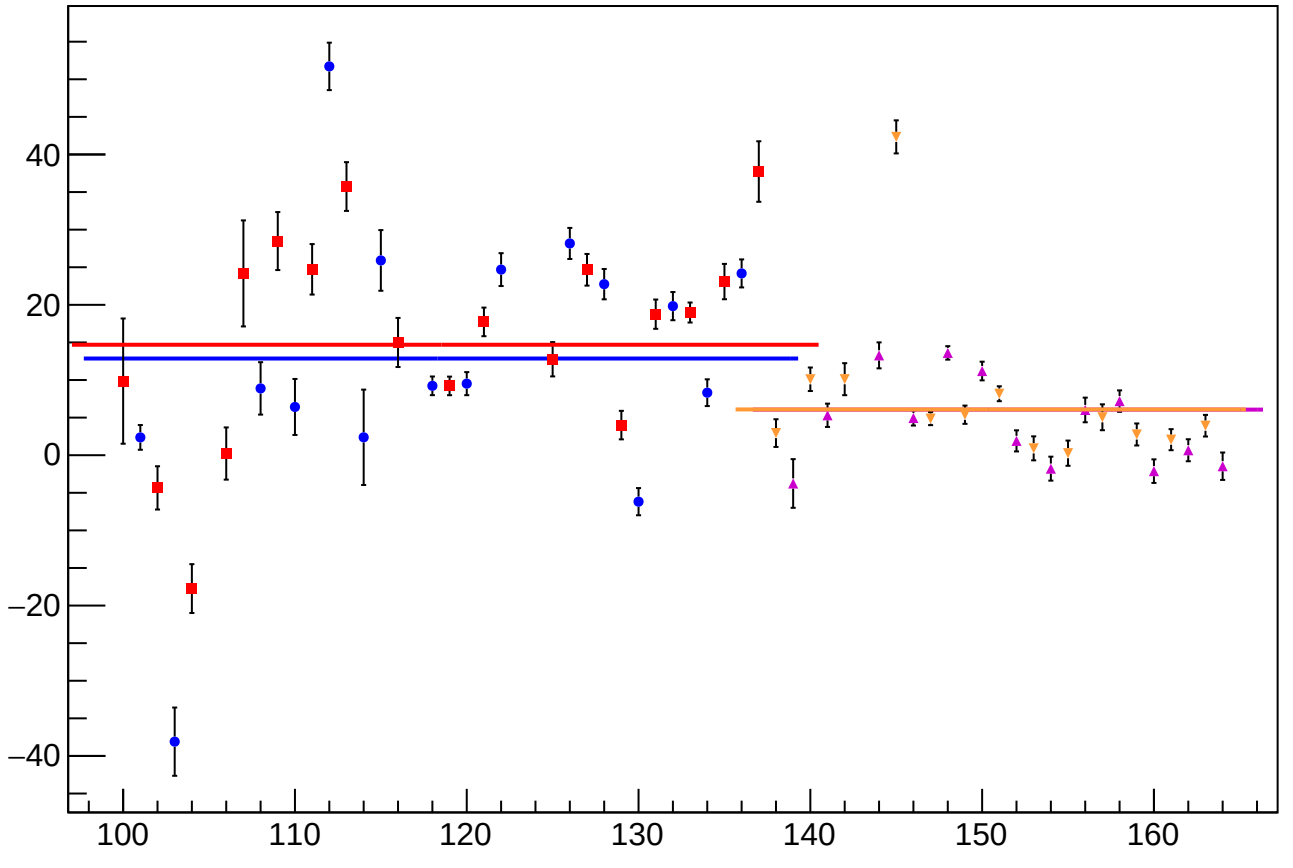
Left: -58.407+/-0.410 χ^2/NDF: 1338.1/25

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -52.774+/-0.391 χ^2/NDF:3472.5/28

Out: -54.402+/-0.400 χ^2/NDF:3786.2/30

All: -53.572+/-0.280 χ^2/NDF: 7267.1/59



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 6.086+/-0.386 χ^2/NDF:330.2/12

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 6.063+/-0.387 χ^2/NDF:207.7/12

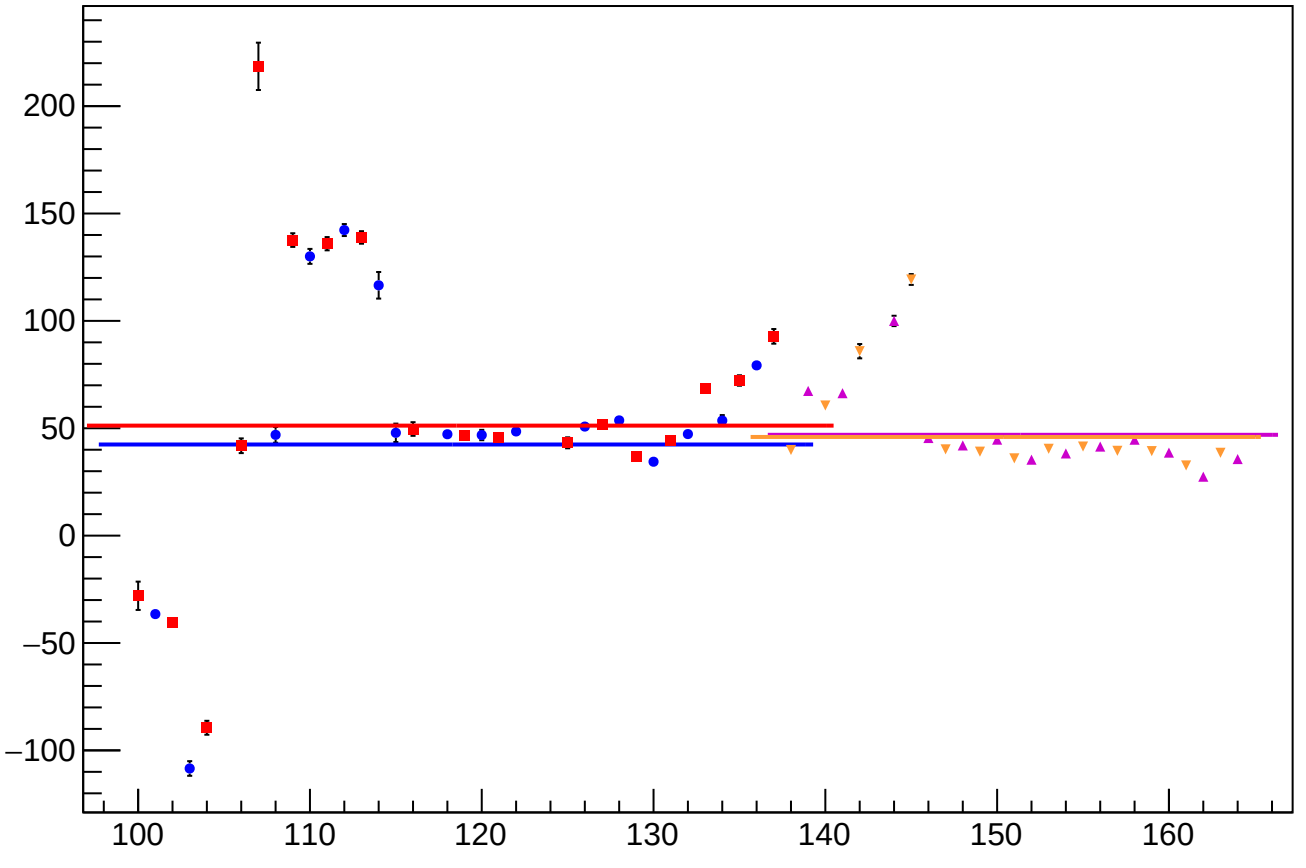
Left: 6.075+/-0.273 χ^2/NDF: 537.9/25

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 8.495+/-0.310 χ^2/NDF:943.5/28

Out: 8.966+/-0.315 χ^2/NDF:860.6/30

All: 8.727+/-0.221 χ^2/NDF: 1805.2/59



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 45.948+/-0.566 χ^2/NDF:1204.2/12

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 46.947+/-0.552 χ^2/NDF:900.6/12

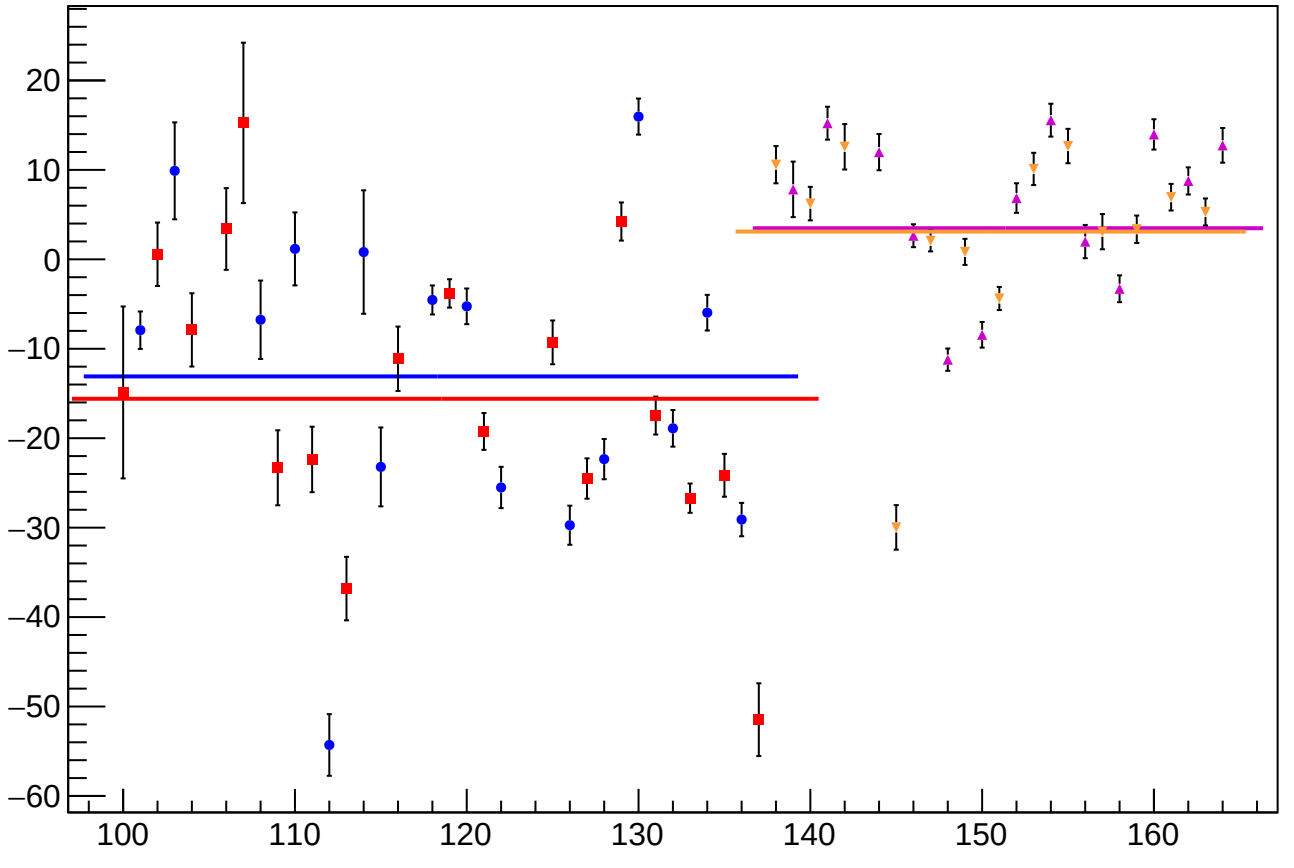
Left: 46.460+/-0.395 χ^2/NDF: 2106.4/25

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 44.821+/-0.401 χ^2/NDF:8101.0/28

Out: 48.367+/-0.416 χ^2/NDF:7855.4/30

All: 46.529+/-0.289 χ^2/NDF: 15994.0/59



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.103+/-0.458 χ^2/NDF:291.4/12

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 3.478+/-0.455 χ^2/NDF:410.2/12

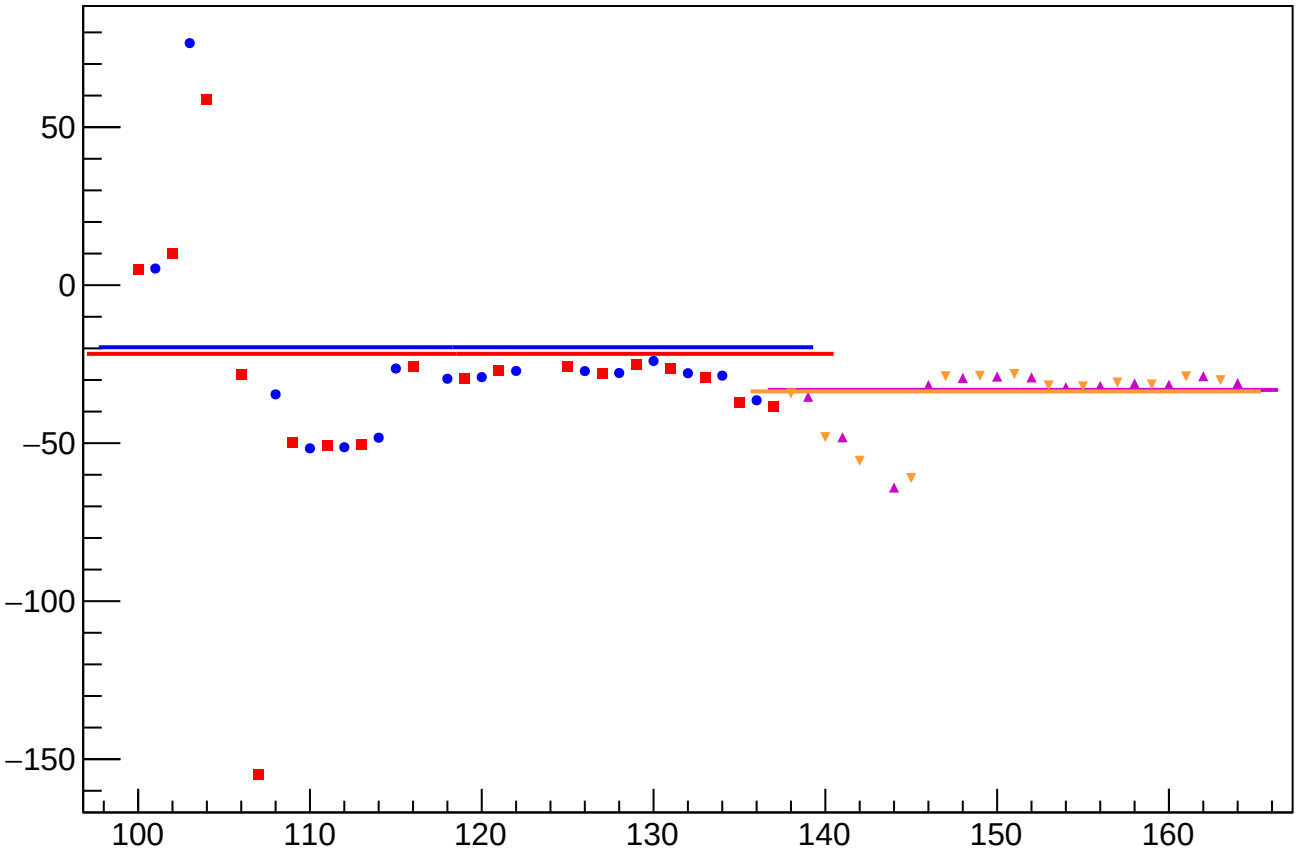
Left: 3.292+/-0.323 χ^2/NDF: 702.0/25

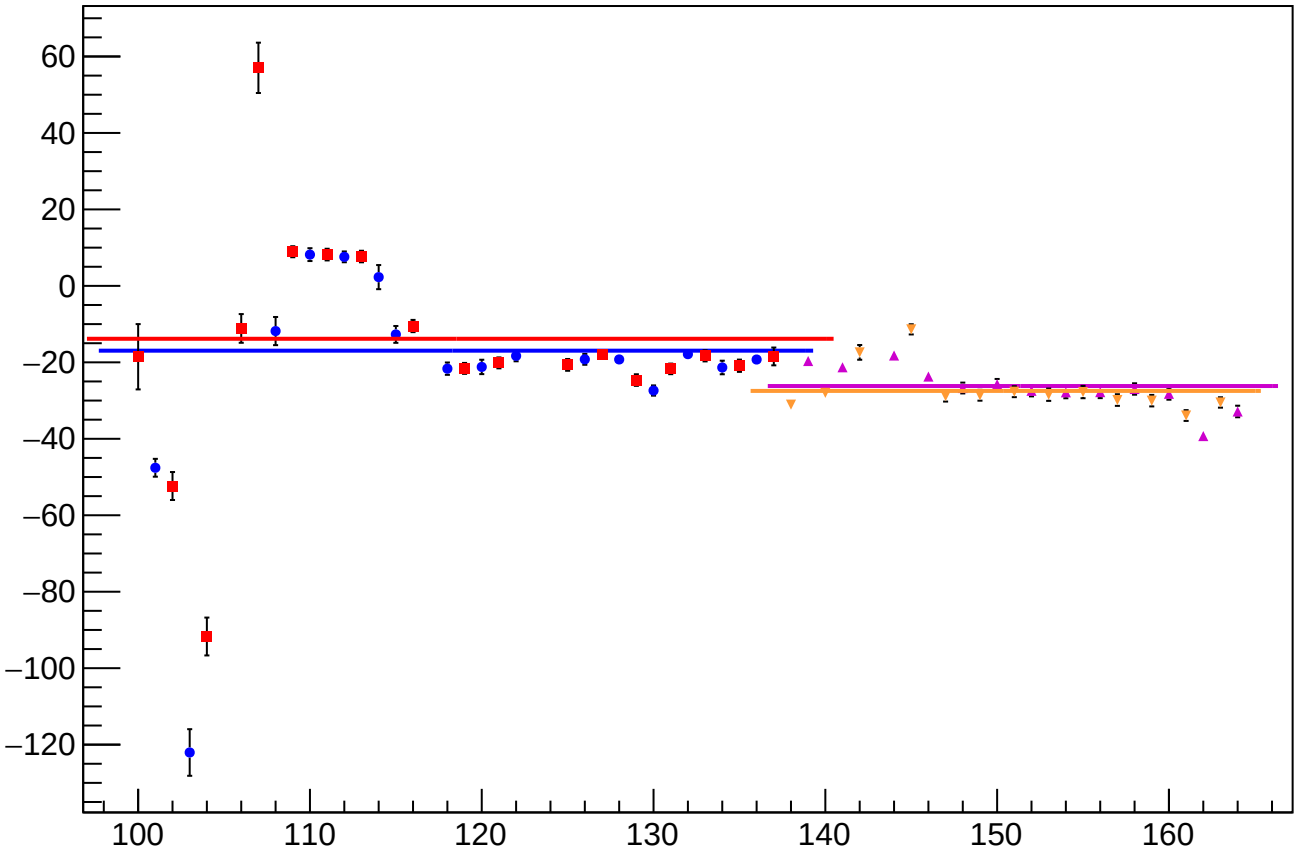
Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -2.580+/-0.363 χ^2/NDF:1534.3/28

Out: -3.405+/-0.370 χ^2/NDF:1272.9/30

All: -2.984+/-0.259 χ^2/NDF: 2809.7/59


reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
Right In: -19.644+/-0.036 χ²/NDF: 646925.7/15
Left Out: -33.619+/-0.021 χ²/NDF:155620.0/12
Right Out: -21.730+/-0.039 χ²/NDF: 546659.9/17
Left In: -33.140+/-0.021 χ²/NDF:127457.5/12
Left: -33.371+/-0.015 χ²/NDF: 283335.5/25
Right: -20.610+/-0.026 χ²/NDF: 1195130.0/33
In: -29.796+/-0.018 χ²/NDF:879448.9/28
Out: -30.851+/-0.019 χ²/NDF:773983.2/30
All: -30.301+/-0.013 χ²/NDF: 1655080.7/59



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -27.475+/-0.394 χ^2/NDF:214.9/12

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -26.197+/-0.384 χ^2/NDF:218.6/12

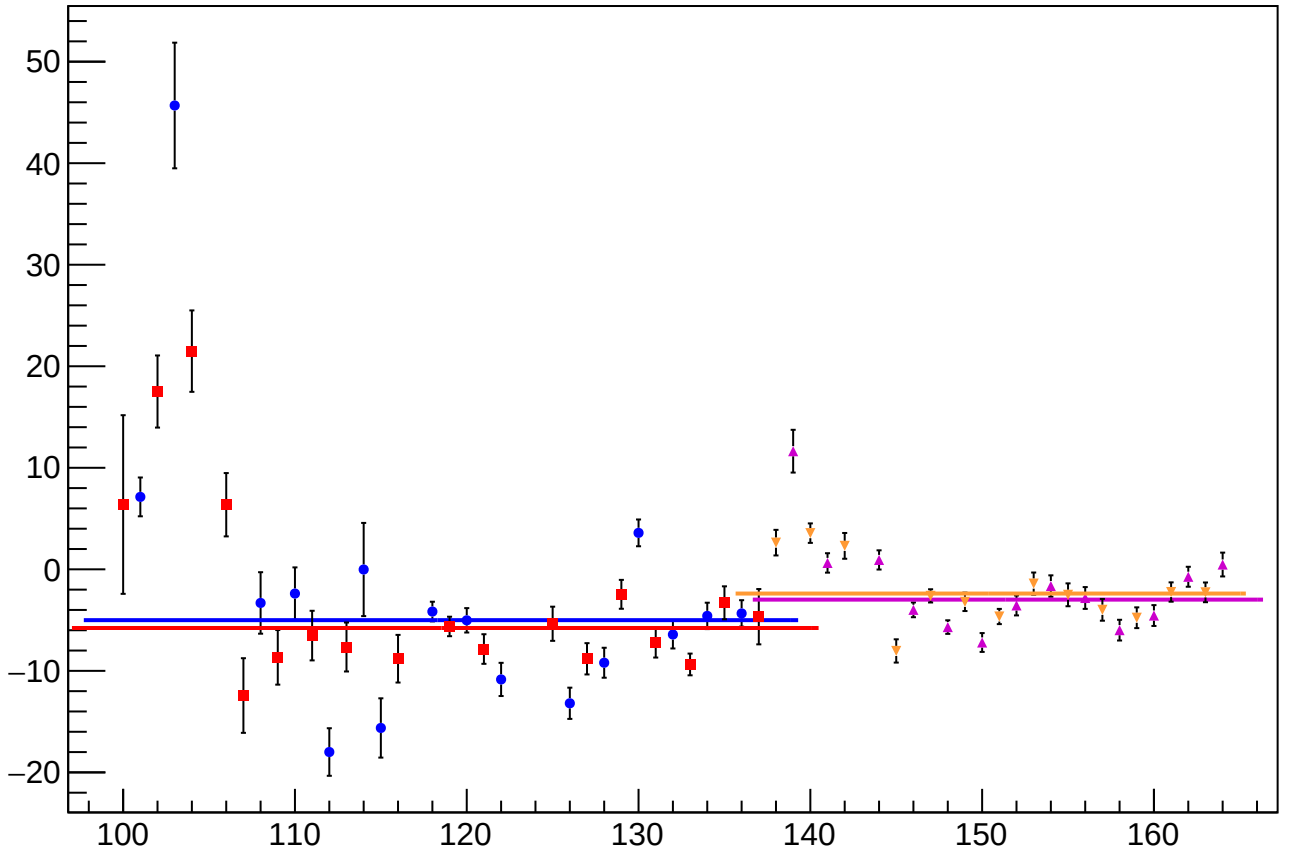
Left: -26.821+/-0.275 χ^2/NDF: 438.9/25

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -21.802+/-0.278 χ^2/NDF:1621.9/28

Out: -20.921+/-0.284 χ^2/NDF:2125.1/30

All: -21.370+/-0.199 χ^2/NDF: 3751.9/59



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.386+/-0.267 χ^2/NDF:110.8/12

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -2.984+/-0.265 χ^2/NDF:145.4/12

Left: -2.686+/-0.188 χ^2/NDF: 258.8/25

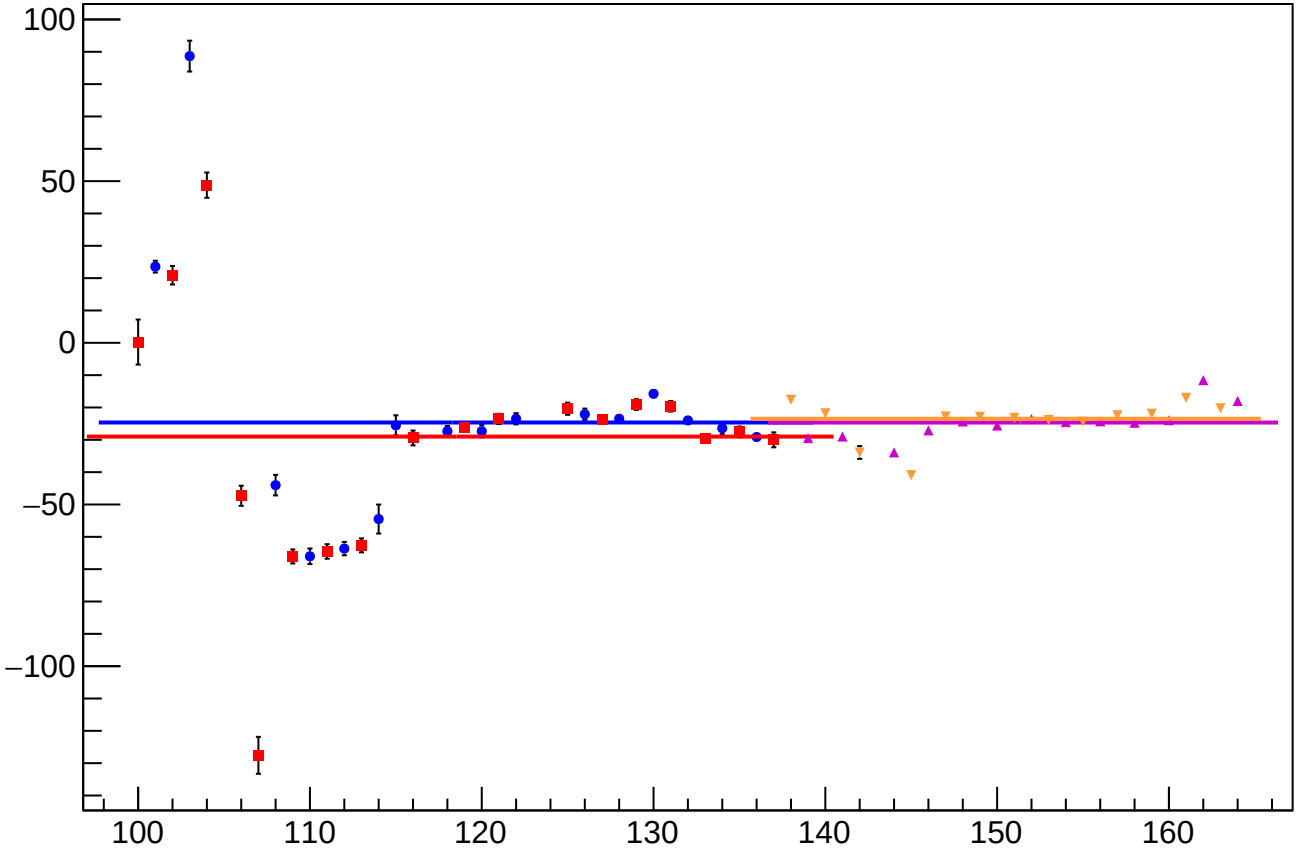
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.600+/-0.221 χ^2/NDF:410.8/28

Out: -3.362+/-0.225 χ^2/NDF:296.8/30

All: -3.483+/-0.158 χ^2/NDF: 708.2/59

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: -23.483+/-0.381 χ^2/NDF:247.6/12

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -24.656+/-0.371 χ^2/NDF:215.9/12

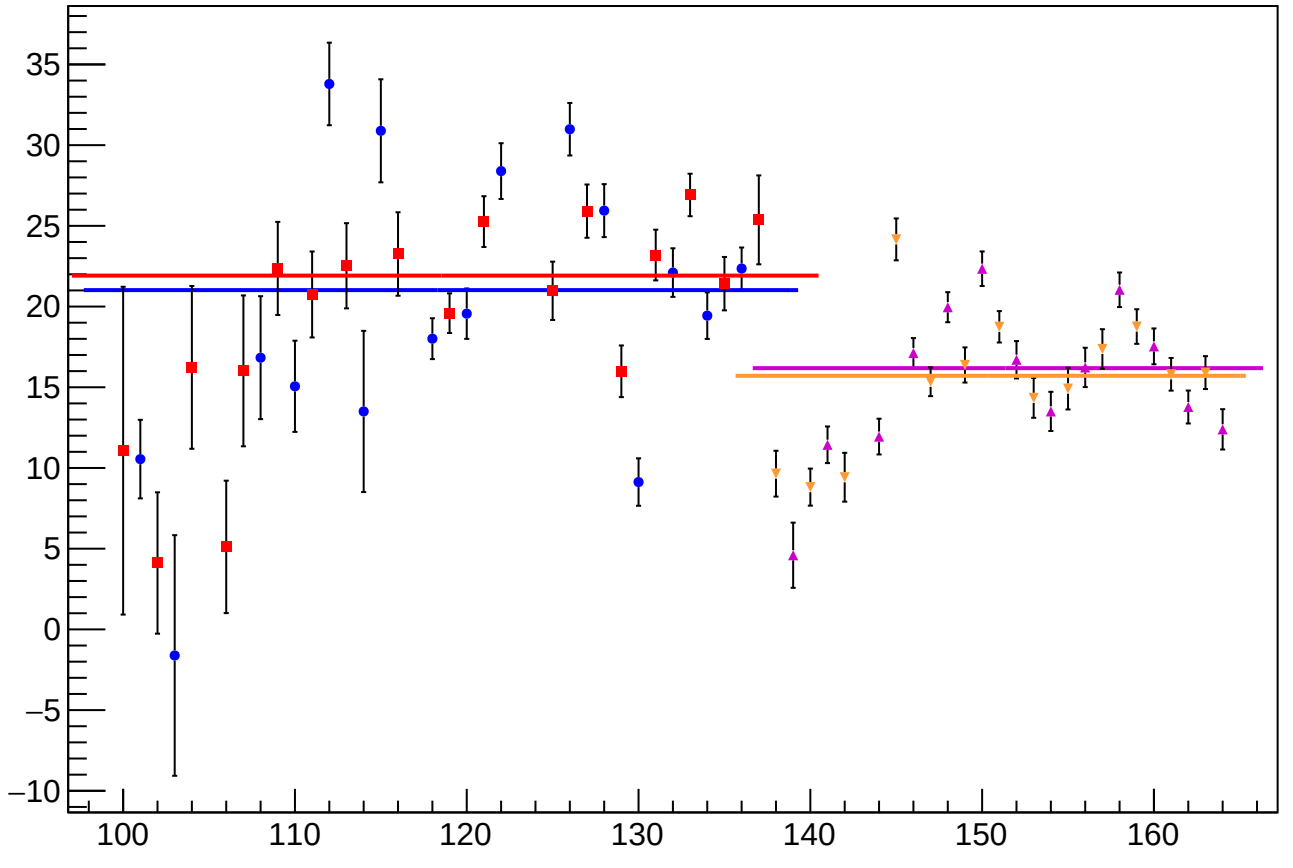
Left: -24.085+/-0.266 χ^2/NDF: 468.4/25

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -24.650+/-0.288 χ^2/NDF:2267.8/28

Out: -25.644+/-0.297 χ^2/NDF:2282.0/30

All: -25.131+/-0.207 χ^2/NDF: 4555.5/59



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.711+/-0.314 χ^2/NDF:135.8/12

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 16.185+/-0.310 χ^2/NDF:157.5/12

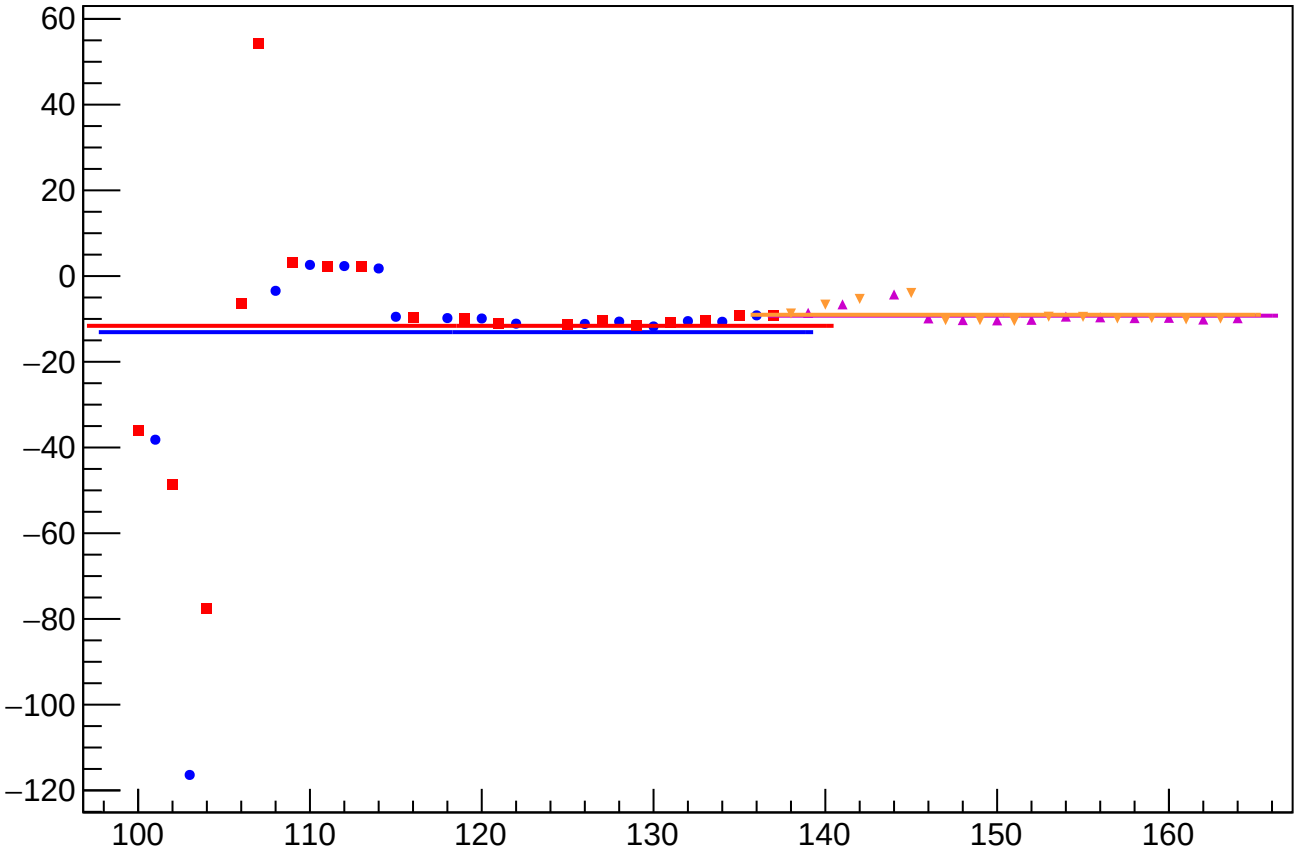
Left: 15.951+/-0.220 χ^2/NDF: 294.5/25

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 17.702+/-0.257 χ^2/NDF:443.5/28

Out: 17.576+/-0.262 χ^2/NDF:336.1/30

All: 17.640+/-0.183 χ^2/NDF: 779.7/59



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.028+/-0.014 χ^2/NDF:16534.7/12

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.243+/-0.014 χ^2/NDF:11834.8/12

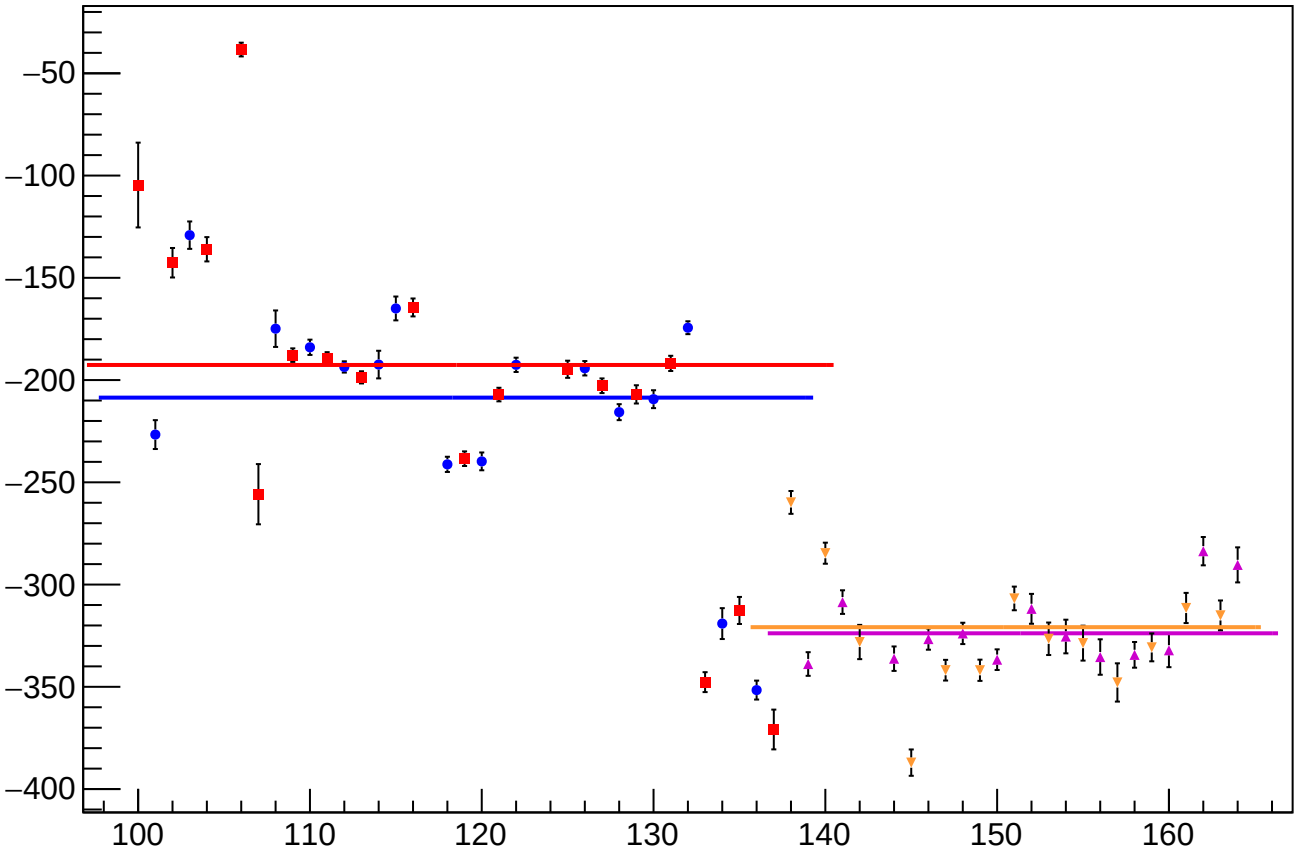
Left: -9.139+/-0.010 χ^2/NDF: 28484.3/25

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -9.990+/-0.013 χ^2/NDF:371519.7/28

Out: -9.488+/-0.013 χ^2/NDF:336458.9/30

All: -9.749+/-0.009 χ^2/NDF: 708747.2/59



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -320.832+/-1.785 χ^2/NDF:329.0/12

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -323.833+/-1.762 χ^2/NDF:82.1/12

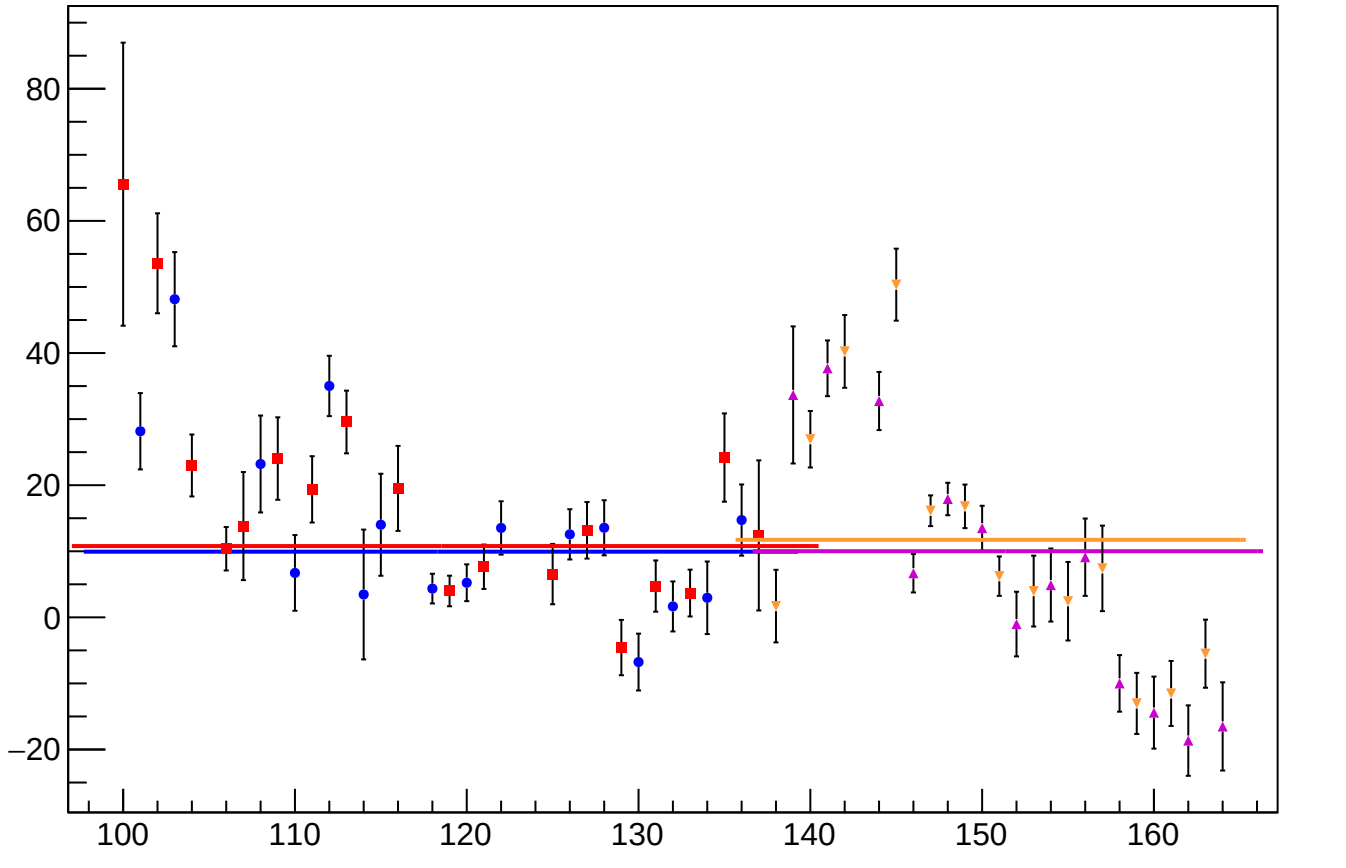
Left: -322.352+/-1.254 χ^2/NDF: 412.5/25

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

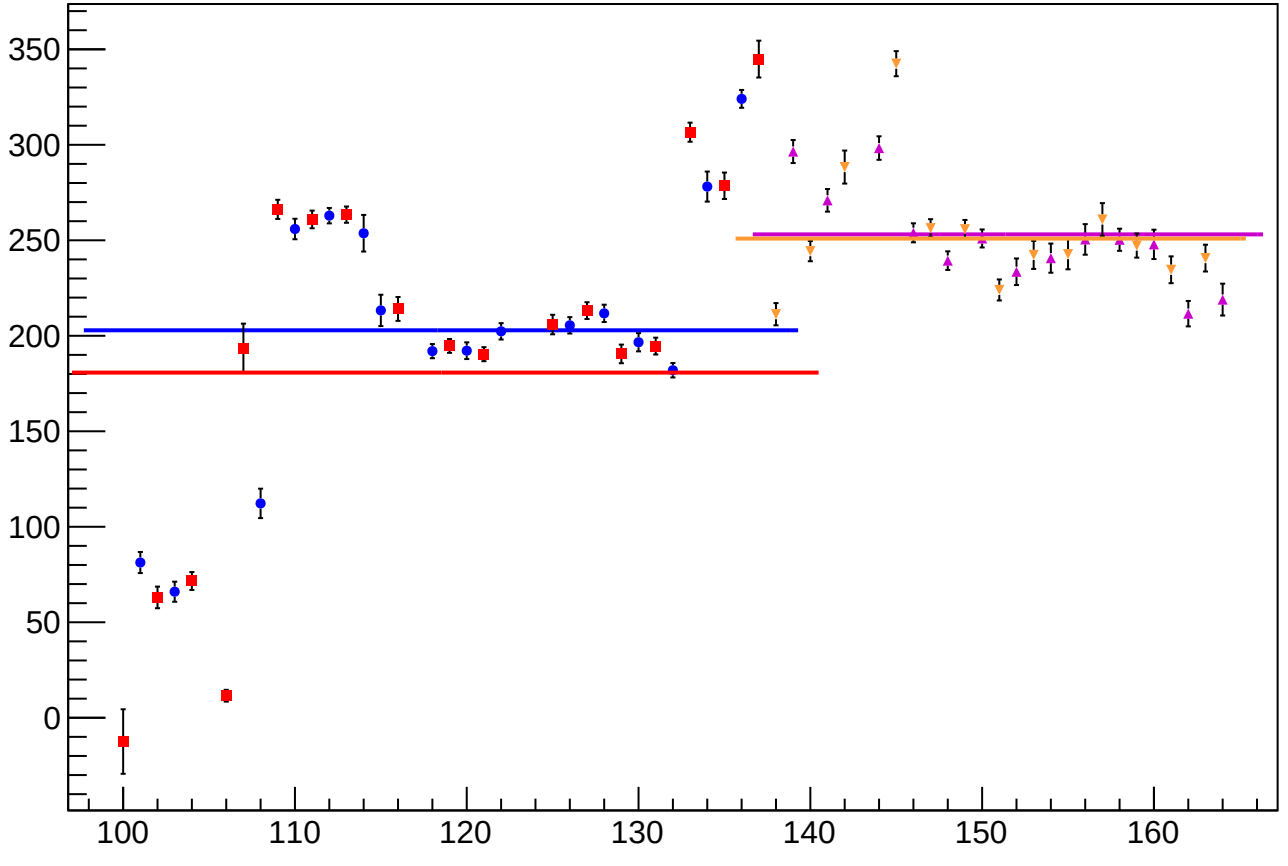
In: -239.488+/-0.912 χ^2/NDF:4964.3/28

Out: -223.200+/-0.872 χ^2/NDF:8466.3/30

All: -230.972+/-0.630 χ^2/NDF: 13597.2/59


reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 9.938+/-1.065 χ²/NDF: 106.6/15
Left Out: 11.732+/-1.150 χ²/NDF:169.6/12
Right Out: 10.788+/-1.044 χ²/NDF: 105.1/17
Left In: 10.008+/-1.164 χ²/NDF:180.3/12
Left: 10.881+/-0.818 χ²/NDF: 351.0/25
Right: 10.372+/-0.746 χ²/NDF: 212.0/33
In: 9.970+/-0.786 χ²/NDF:286.8/28
Out: 11.215+/-0.773 χ²/NDF:275.0/30
All: 10.603+/-0.551 χ²/NDF: 563.1/59

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: 250.898+/-1.725 χ^2/NDF:298.6/12

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 253.096+/-1.698 χ^2/NDF:190.0/12

Left: 252.014+/-1.210 χ^2/NDF: 489.3/25

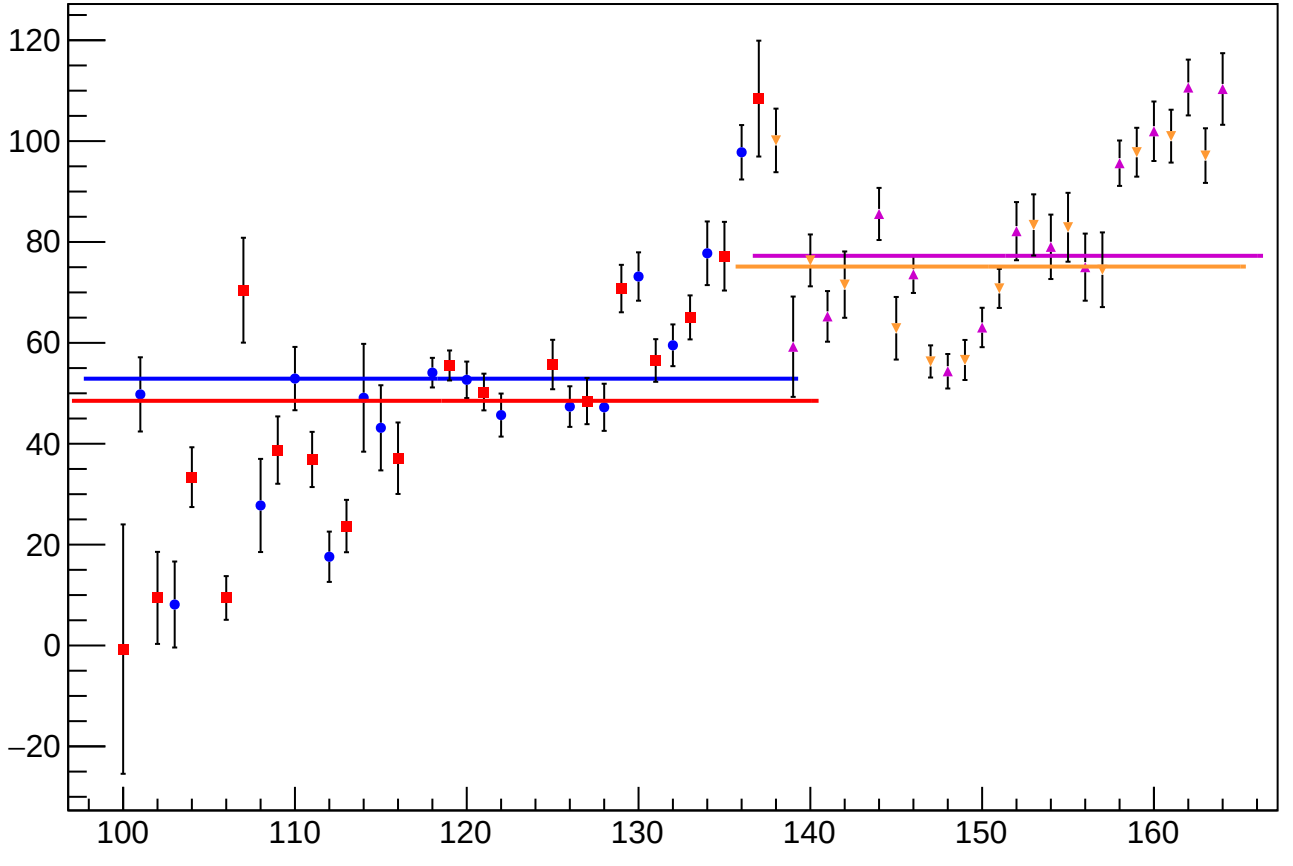
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 220.076+/-0.994 χ^2/NDF:3229.3/28

Out: 202.150+/-0.953 χ^2/NDF:7795.6/30

All: 210.740+/-0.688 χ^2/NDF: 11194.4/59

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: 75.128+/-1.386 χ^2/NDF:143.7/12

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 77.259+/-1.388 χ^2/NDF:163.8/12

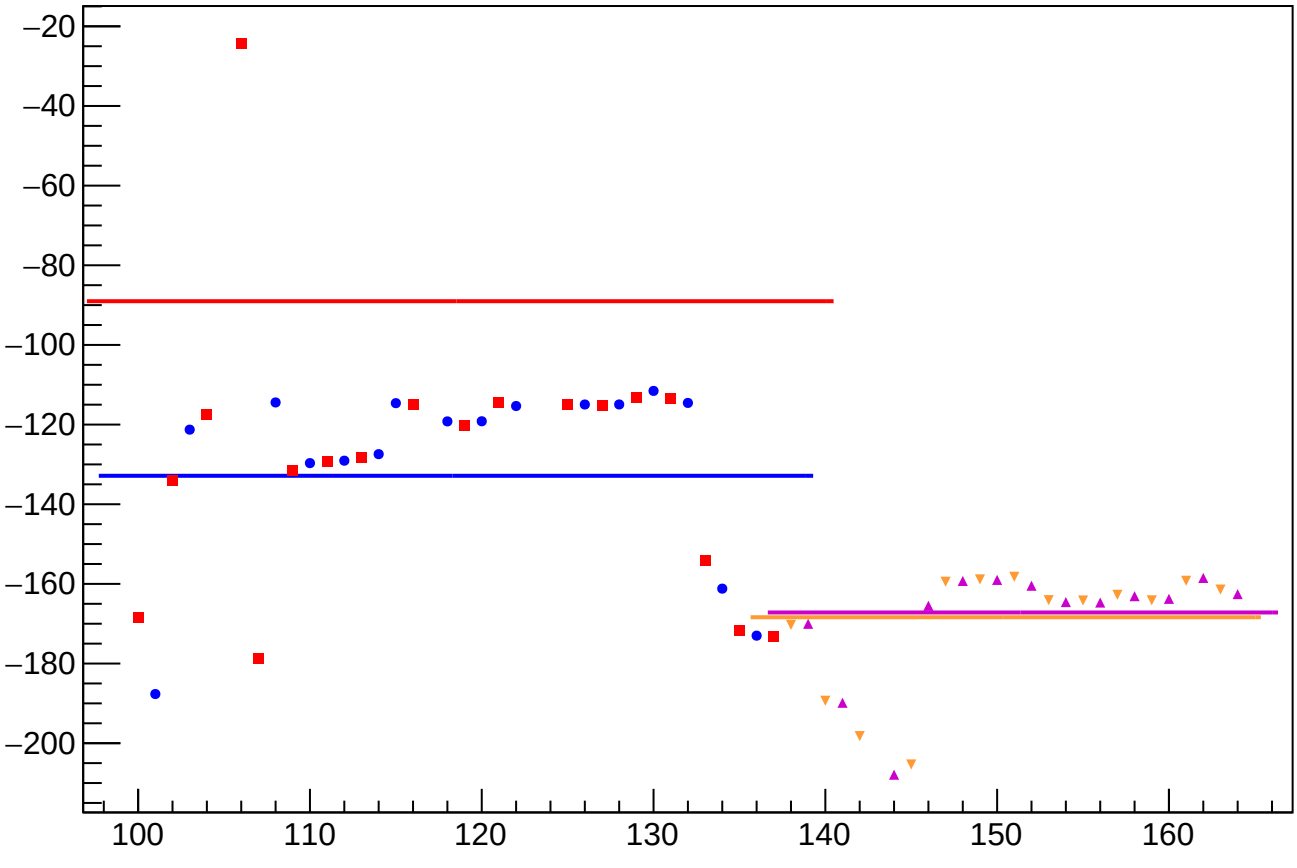
Left: 76.192+/-0.981 χ^2/NDF: 308.7/25

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 63.724+/-0.925 χ^2/NDF:533.2/28

Out: 60.068+/-0.913 χ^2/NDF:592.4/30

All: 61.872+/-0.650 χ^2/NDF: 1133.4/59



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -168.373+/-0.067 χ^2/NDF:44782.0/12

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -167.174+/-0.065 χ^2/NDF:37115.8/12

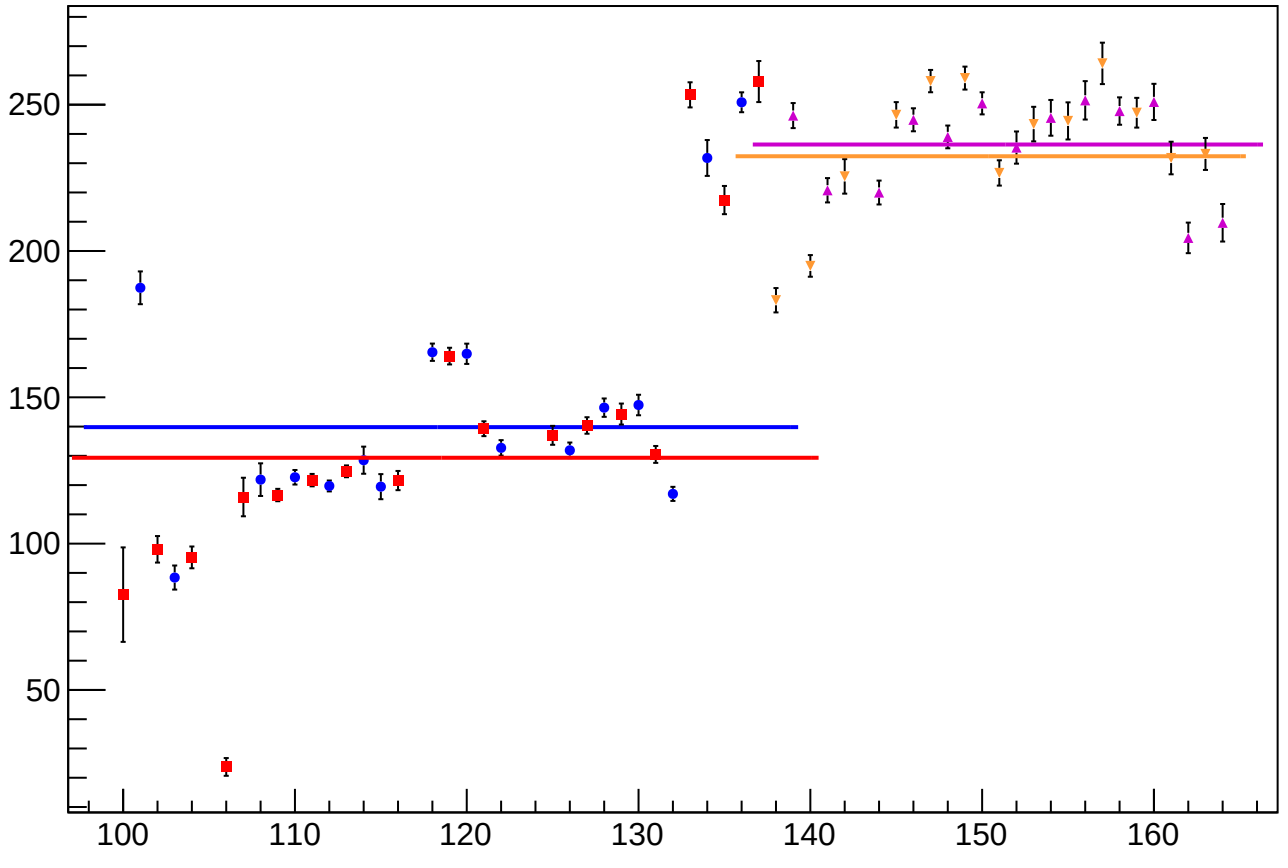
Left: -167.755+/-0.047 χ^2/NDF: 82062.7/25

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -153.806+/-0.051 χ^2/NDF:239248.4/28

Out: -126.941+/-0.046 χ^2/NDF:1503711.3/30

All: -139.157+/-0.034 χ^2/NDF: 1895613.8/59



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 232.376+/-1.316 χ^2/NDF:383.5/12

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 236.388+/-1.303 χ^2/NDF:128.4/12

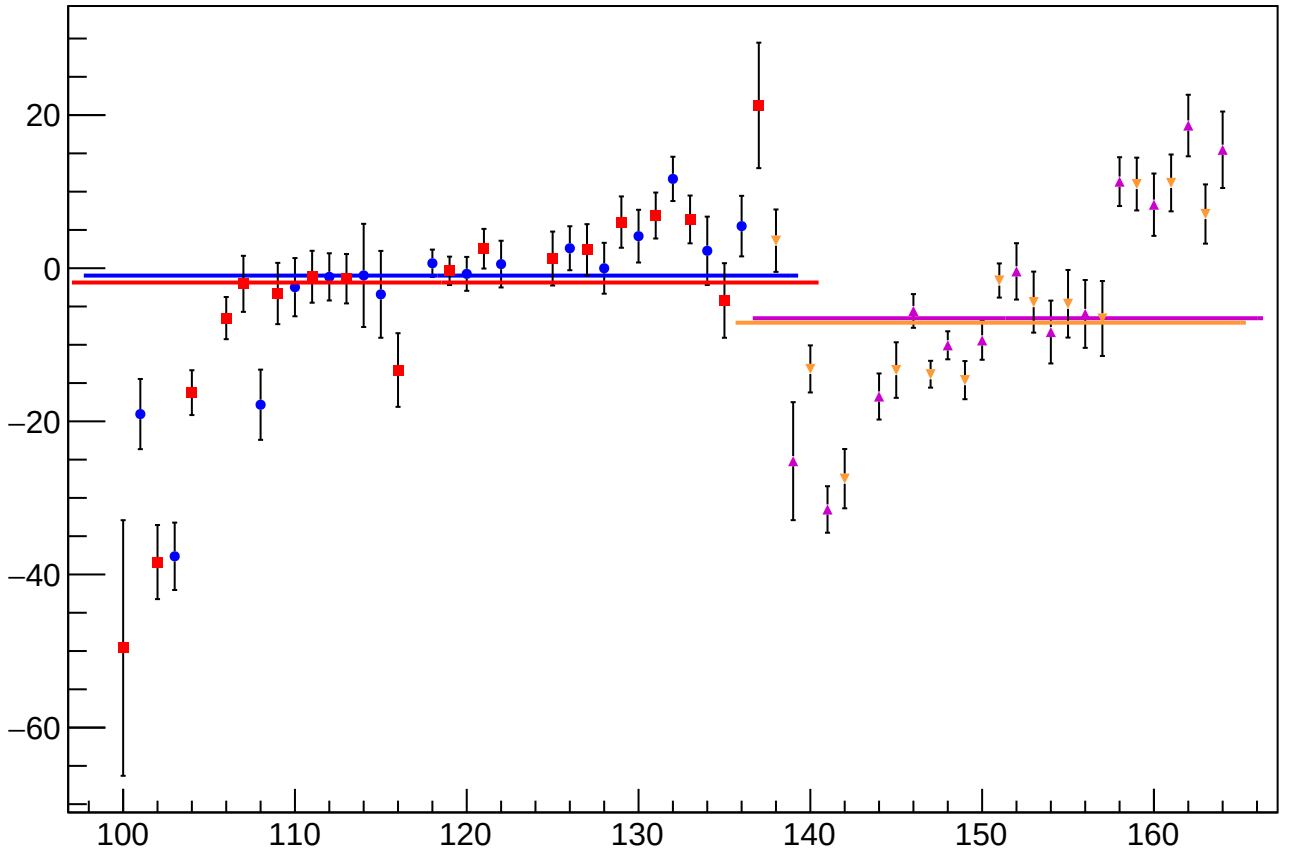
Left: 234.402+/-0.926 χ^2/NDF: 516.6/25

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 165.520+/-0.672 χ^2/NDF:6127.1/28

Out: 153.809+/-0.641 χ^2/NDF:8182.5/30

All: 159.389+/-0.464 χ^2/NDF: 14468.6/59



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -7.115+/-0.852 χ^2/NDF:137.3/12

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -6.532+/-0.863 χ^2/NDF:196.4/12

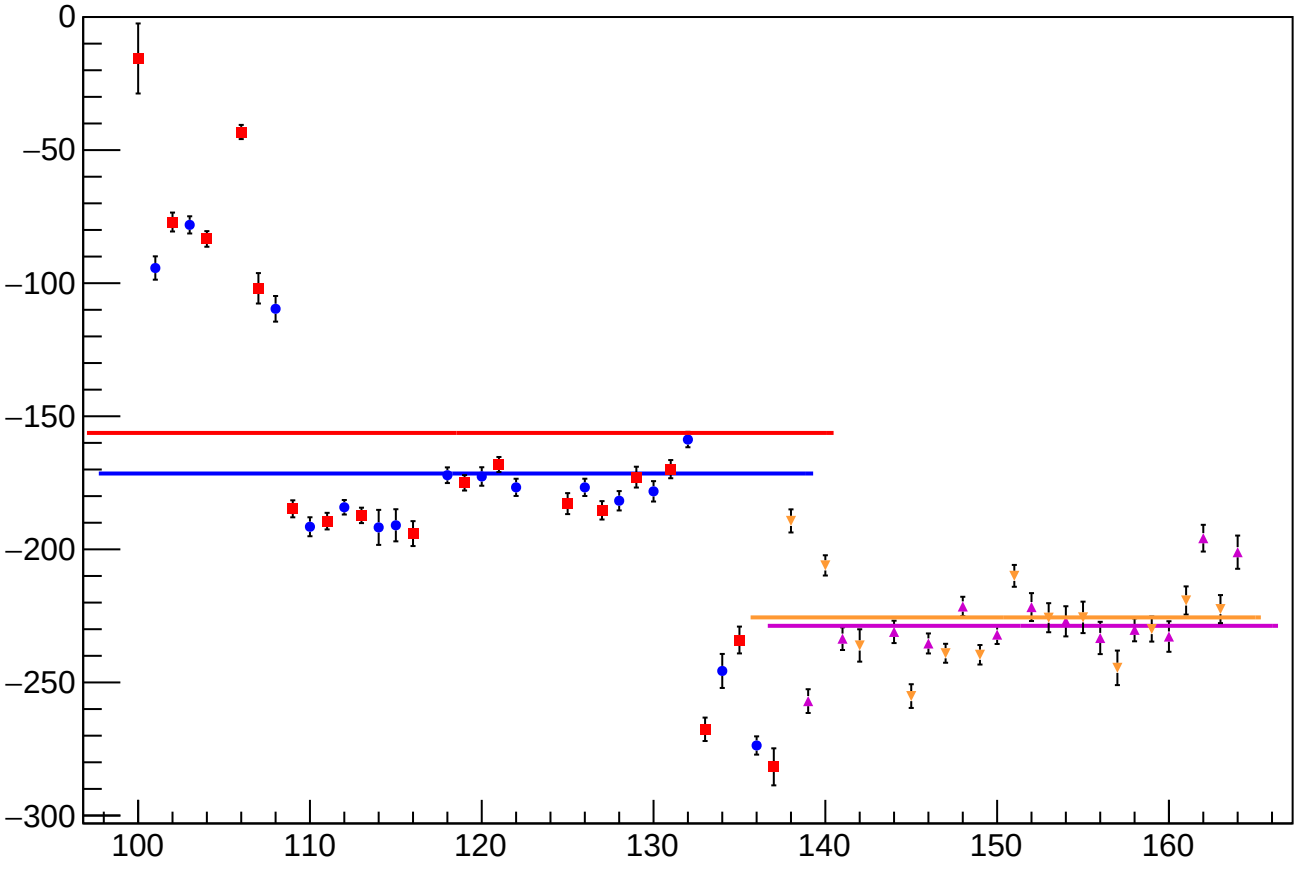
Left: -6.827+/-0.607 χ^2/NDF: 334.0/25

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -3.564+/-0.590 χ^2/NDF:344.7/28

Out: -4.271+/-0.577 χ^2/NDF:291.0/30

All: -3.926+/-0.413 χ^2/NDF: 636.4/59



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -225.563+/-1.275 χ^2/NDF:197.8/12

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -228.730+/-1.257 χ^2/NDF:115.4/12

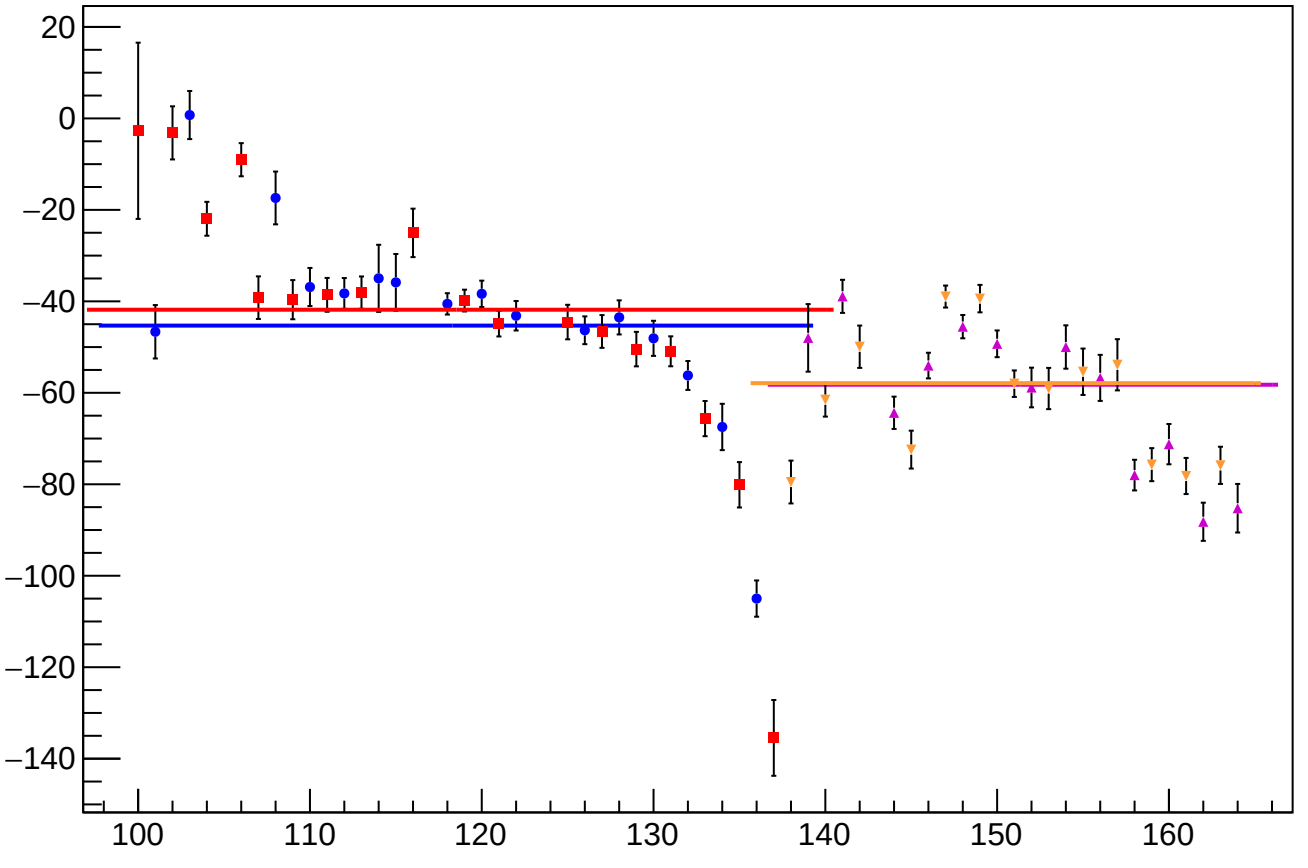
Left: -227.169+/-0.895 χ^2/NDF: 316.3/25

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -191.087+/-0.735 χ^2/NDF:3920.8/28

Out: -177.494+/-0.706 χ^2/NDF:7151.7/30

All: -184.009+/-0.509 χ^2/NDF: 11250.4/59



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -57.885+/-1.027 χ^2/NDF:208.7/12

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -58.235+/-1.029 χ^2/NDF:193.9/12

Left: -58.060+/-0.727 χ^2/NDF: 402.7/25

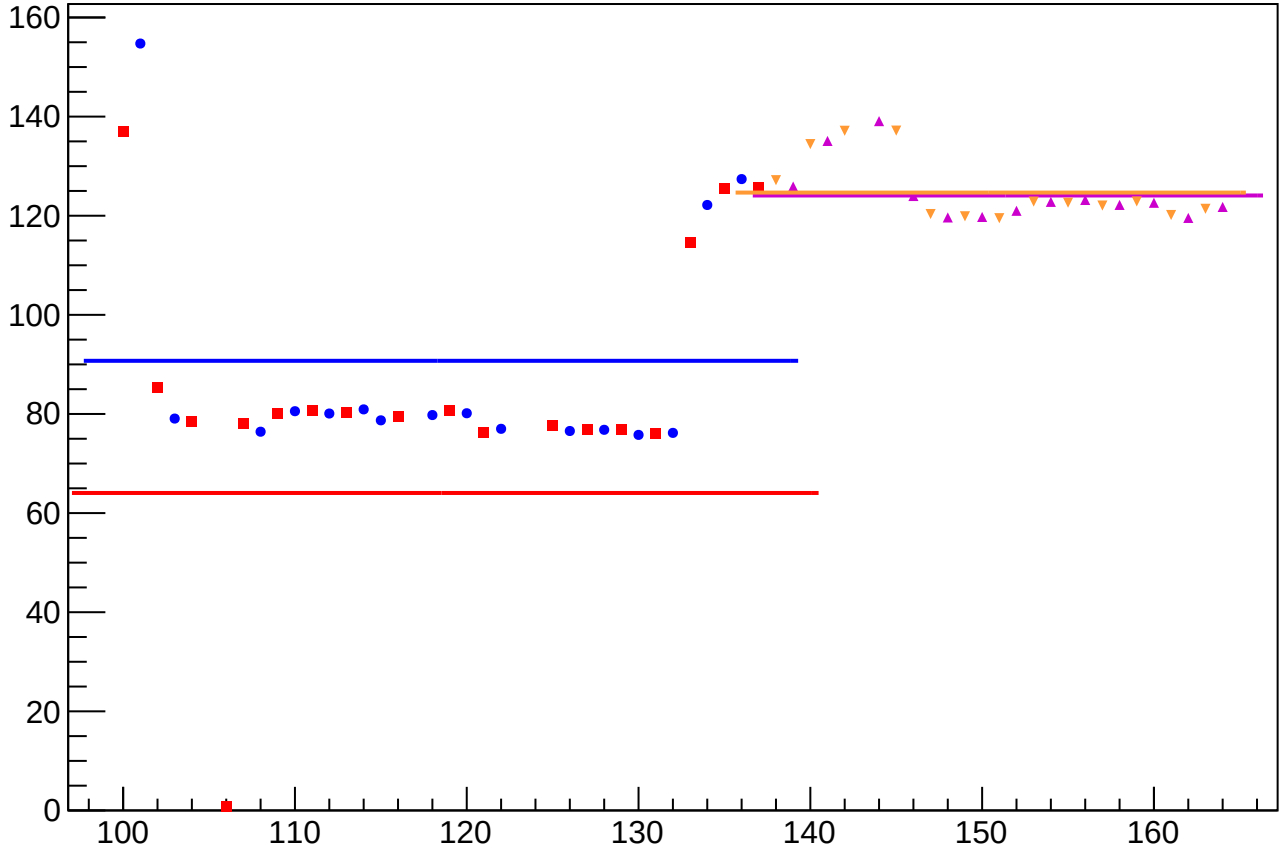
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -51.168+/-0.693 χ^2/NDF:662.2/28

Out: -48.887+/-0.681 χ^2/NDF:759.9/30

All: -50.007+/-0.486 χ^2/NDF: 1427.6/59

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: 124.671+/-0.050 χ^2/NDF:15118.6/12

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 124.084+/-0.048 χ^2/NDF:13509.3/12

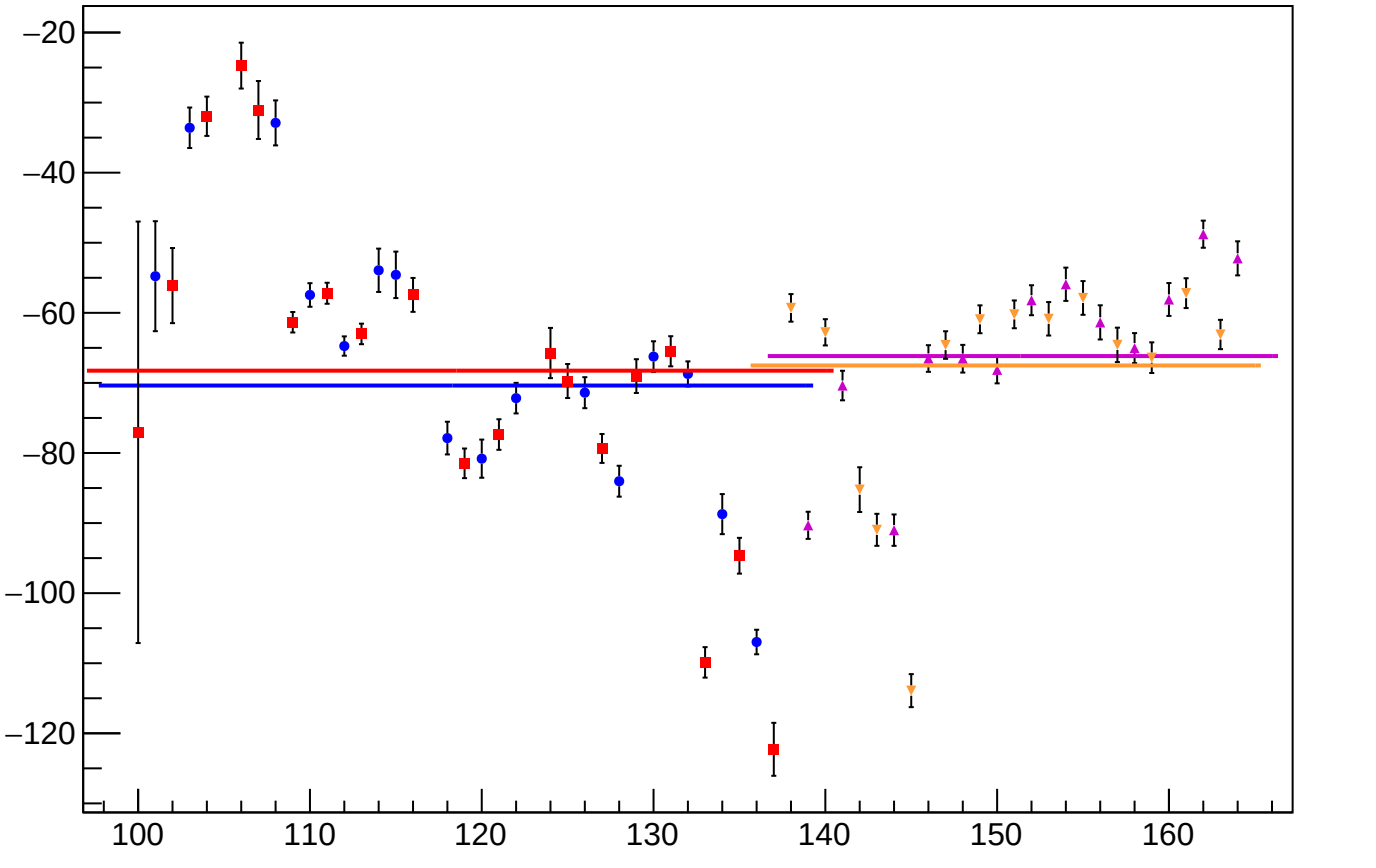
Left: 124.369+/-0.035 χ^2/NDF: 28700.0/25

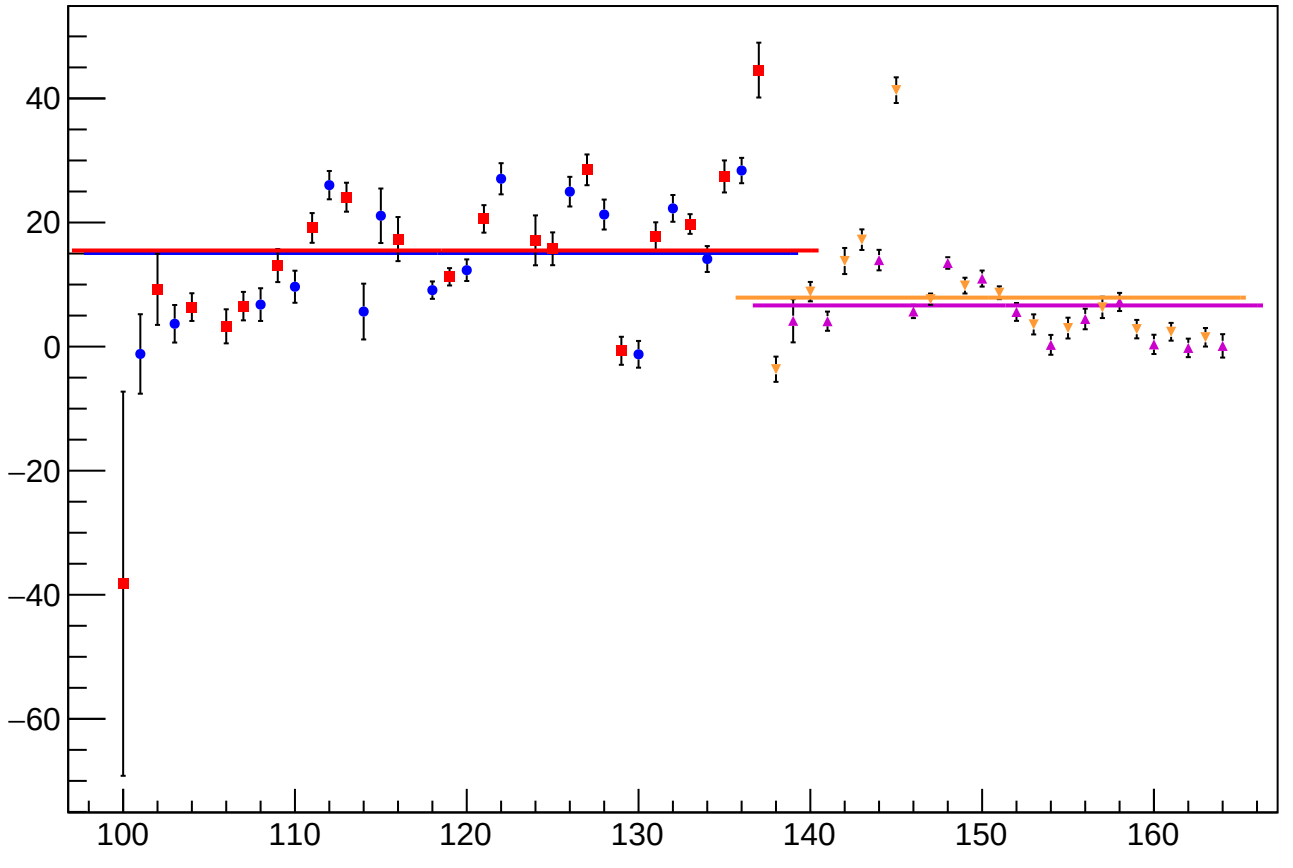
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 110.580+/-0.037 χ^2/NDF:368298.6/28

Out: 94.154+/-0.035 χ^2/NDF:1426702.5/30

All: 101.860+/-0.025 χ^2/NDF: 1898452.0/59


reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
Right In: -70.374+/-0.558 χ²/NDF: 974.9/15
Left Out: -67.512+/-0.582 χ²/NDF:628.2/13
Right Out: -68.252+/-0.527 χ²/NDF: 1306.0/18
Left In: -66.169+/-0.588 χ²/NDF:446.1/12
Left: -66.847+/-0.414 χ²/NDF: 1077.0/26
Right: -69.252+/-0.383 χ²/NDF: 2288.5/34
In: -68.382+/-0.405 χ²/NDF:1448.0/28
Out: -67.919+/-0.391 χ²/NDF:1935.1/32
All: -68.142+/-0.281 χ²/NDF: 3383.7/61



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 7.894+/-0.386 χ^2/NDF:397.7/13

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 6.635+/-0.397 χ^2/NDF:156.1/12

Left: 7.283+/-0.277 χ^2/NDF: 558.9/26

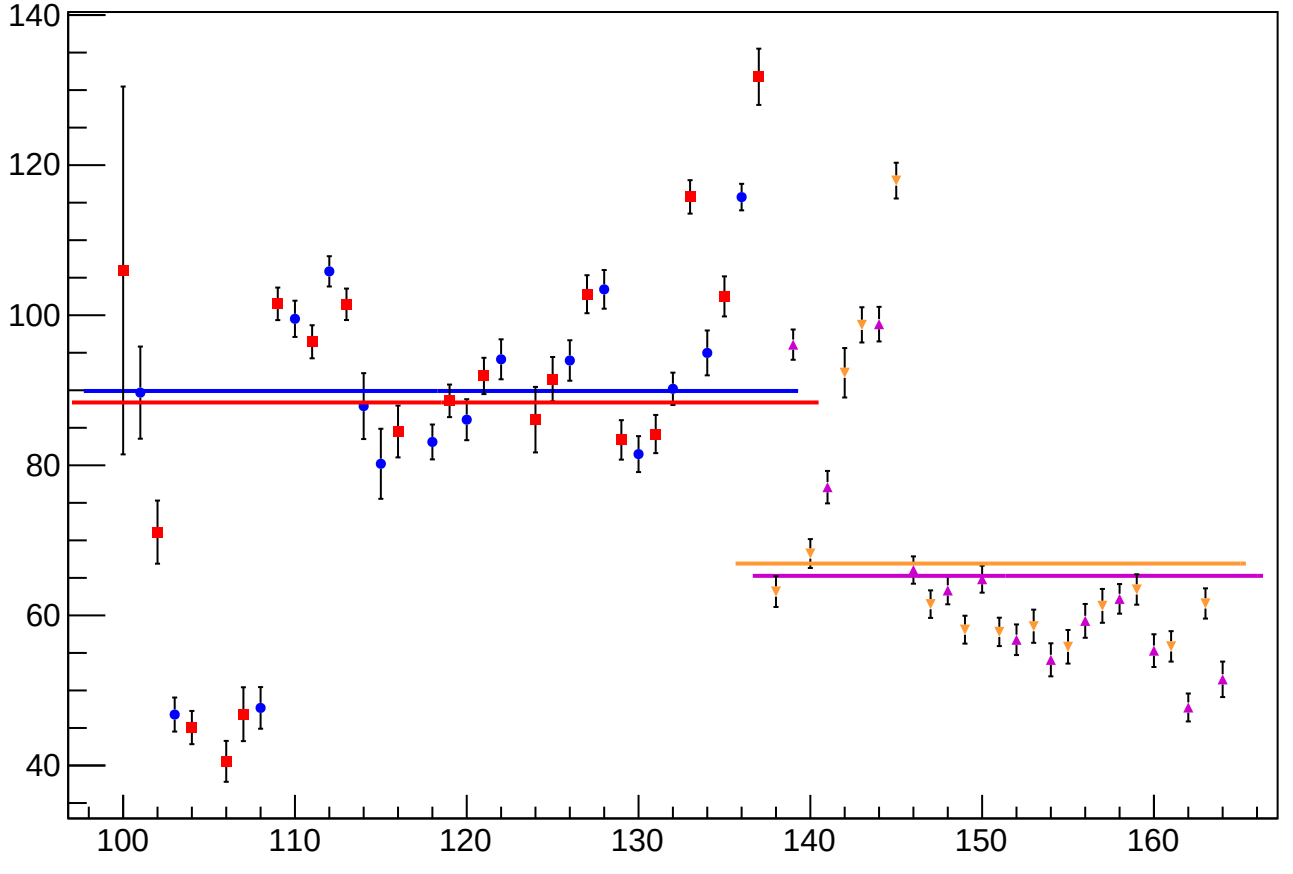
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 9.330+/-0.328 χ^2/NDF:542.9/28

Out: 10.350+/-0.317 χ^2/NDF:762.3/32

All: 9.856+/-0.228 χ^2/NDF: 1310.2/61

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: 66.909+/-0.563 χ^2/NDF:844.0/13

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 65.272+/-0.565 χ^2/NDF:672.7/12

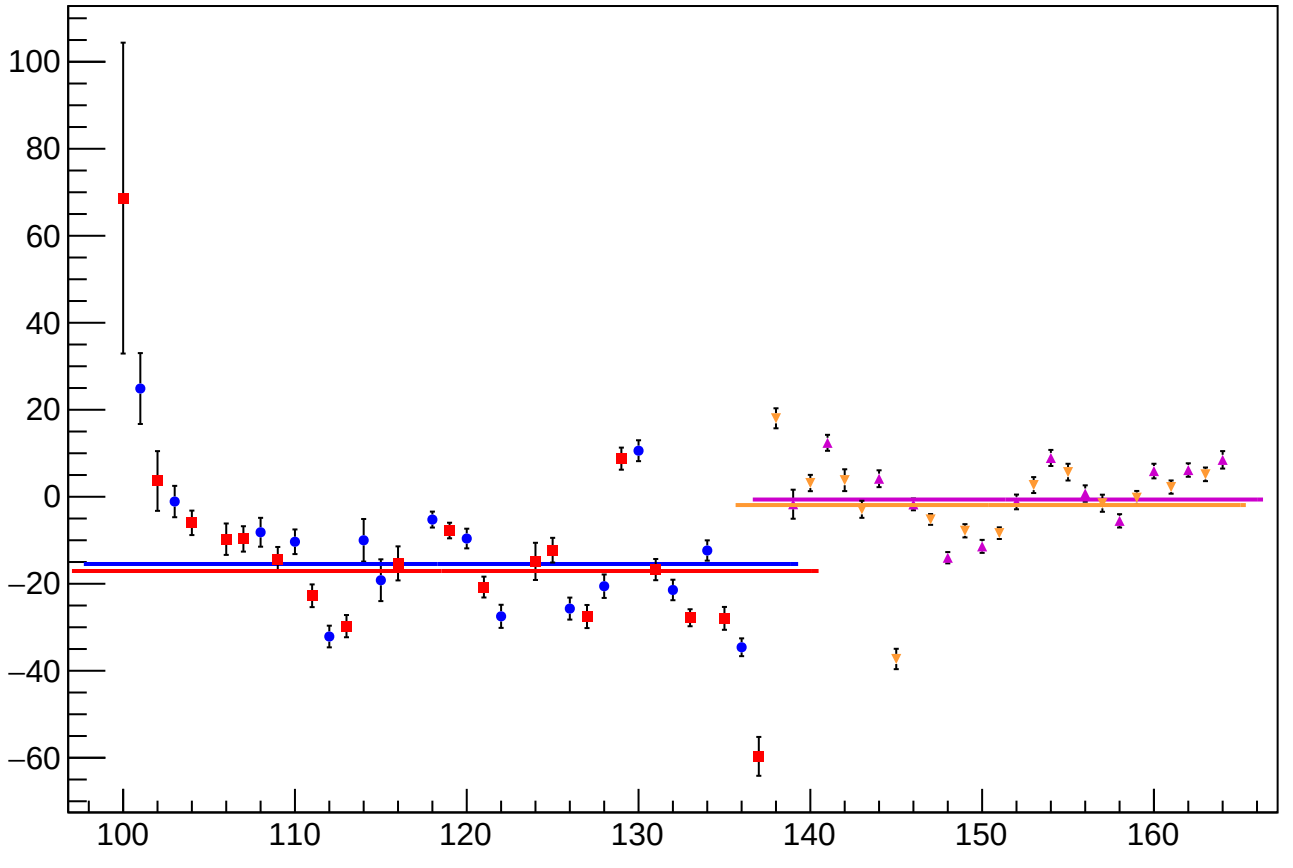
Left: 66.094+/-0.399 χ^2/NDF: 1520.9/26

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 76.056+/-0.424 χ^2/NDF:2451.7/28

Out: 76.651+/-0.416 χ^2/NDF:2793.0/32

All: 76.359+/-0.297 χ^2/NDF: 5245.7/61



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -1.904+/-0.457 χ^2/NDF:412.2/13

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.635+/-0.466 χ^2/NDF:308.1/12

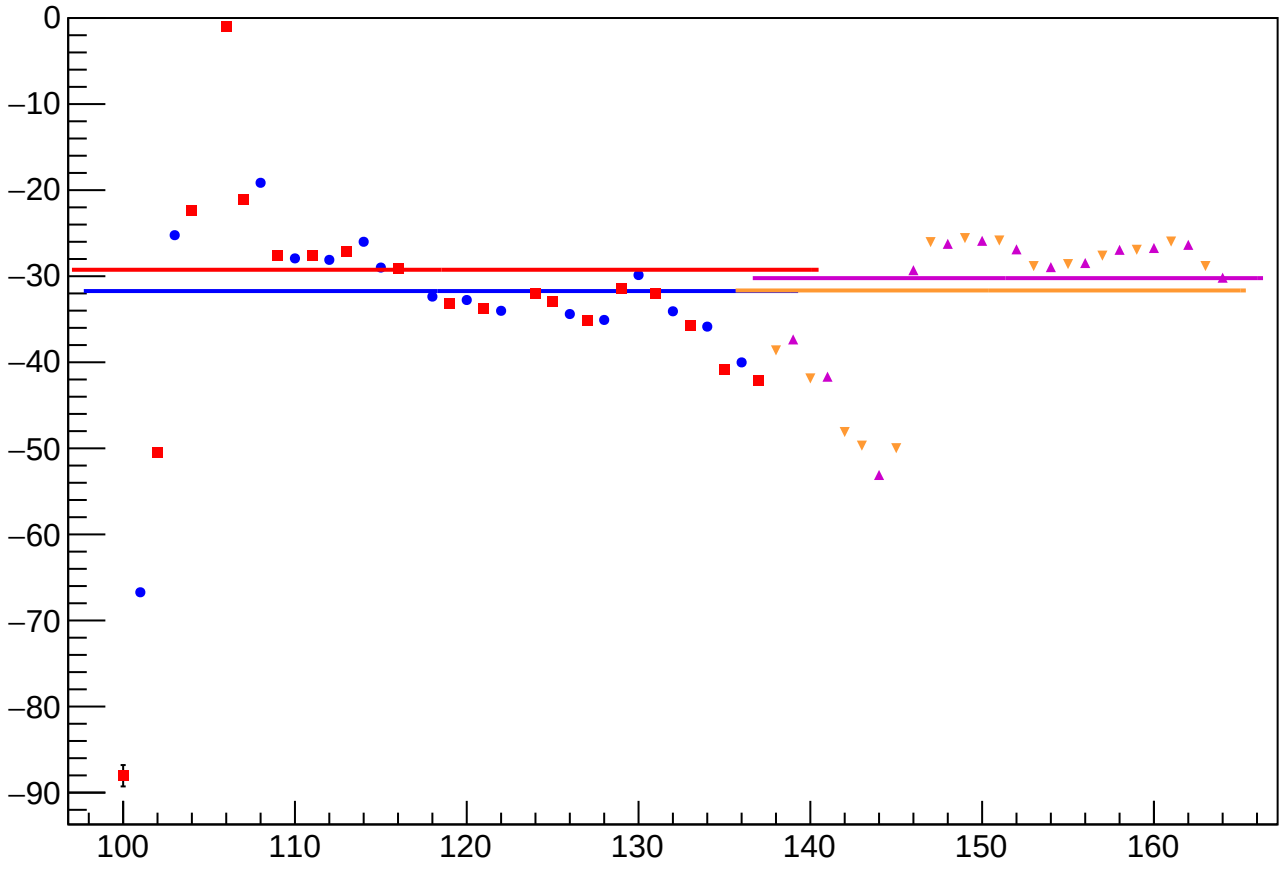
Left: -1.282+/-0.326 χ^2/NDF: 724.1/26

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -5.514+/-0.382 χ^2/NDF:1027.2/28

Out: -6.986+/-0.373 χ^2/NDF:1142.2/32

All: -6.268+/-0.267 χ^2/NDF: 2177.0/61



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -31.656+/-0.021 χ^2/NDF:144157.4/13

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -30.224+/-0.021 χ^2/NDF:92692.6/12

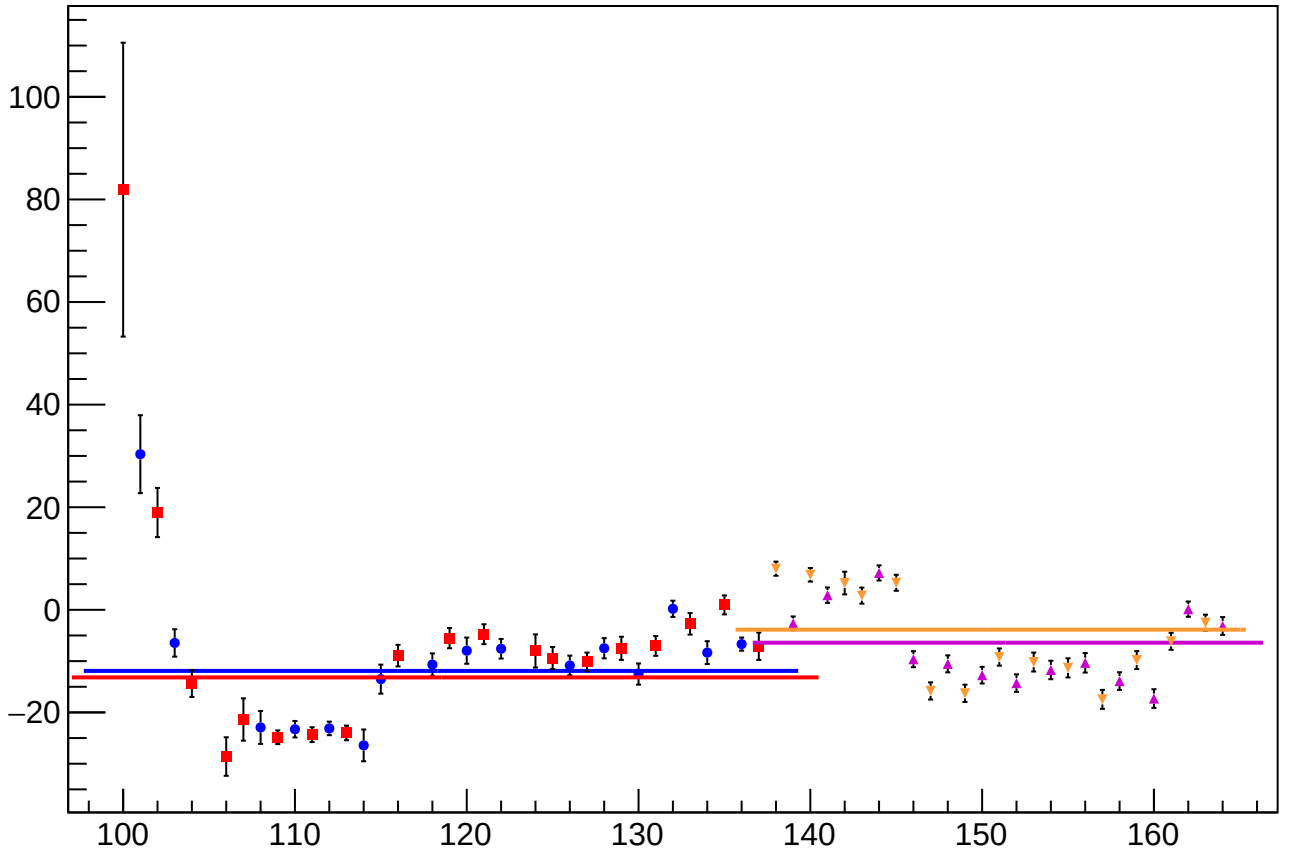
Left: -30.935+/-0.015 χ^2/NDF: 239108.5/26

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -30.574+/-0.019 χ^2/NDF:133494.0/28

Out: -31.087+/-0.019 χ^2/NDF:242386.2/32

All: -30.829+/-0.013 χ^2/NDF: 376259.1/61



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -3.871+/-0.441 χ^2/NDF:419.6/13

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -6.408+/-0.449 χ^2/NDF:268.2/12

Left: -5.115+/-0.315 χ^2/NDF: 704.1/26

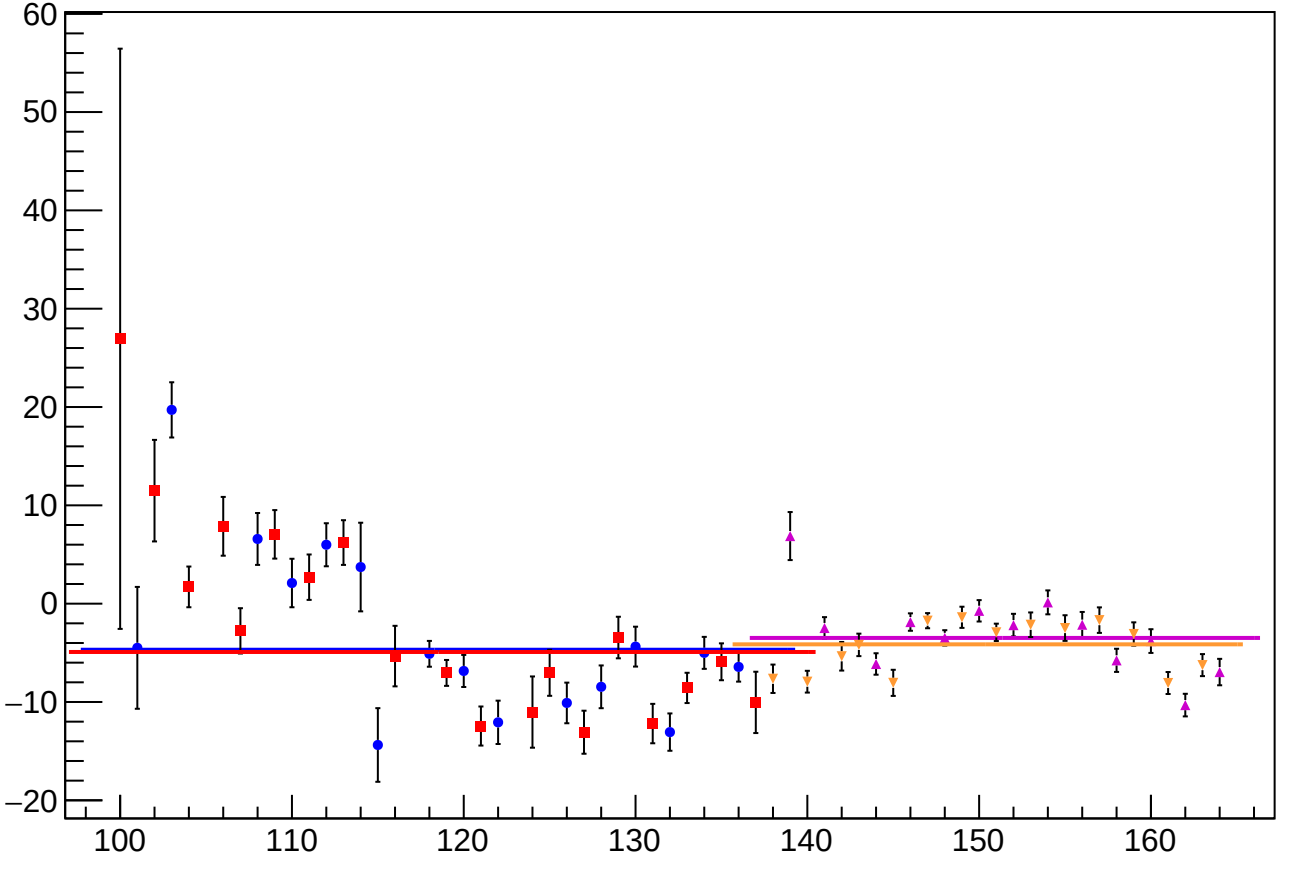
Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -8.882+/-0.333 χ^2/NDF:617.7/28

Out: -8.122+/-0.325 χ^2/NDF:1044.7/32

All: -8.492+/-0.233 χ^2/NDF: 1665.1/61

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.137+/-0.301 χ^2/NDF:69.7/13

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -3.485+/-0.311 χ^2/NDF:91.5/12

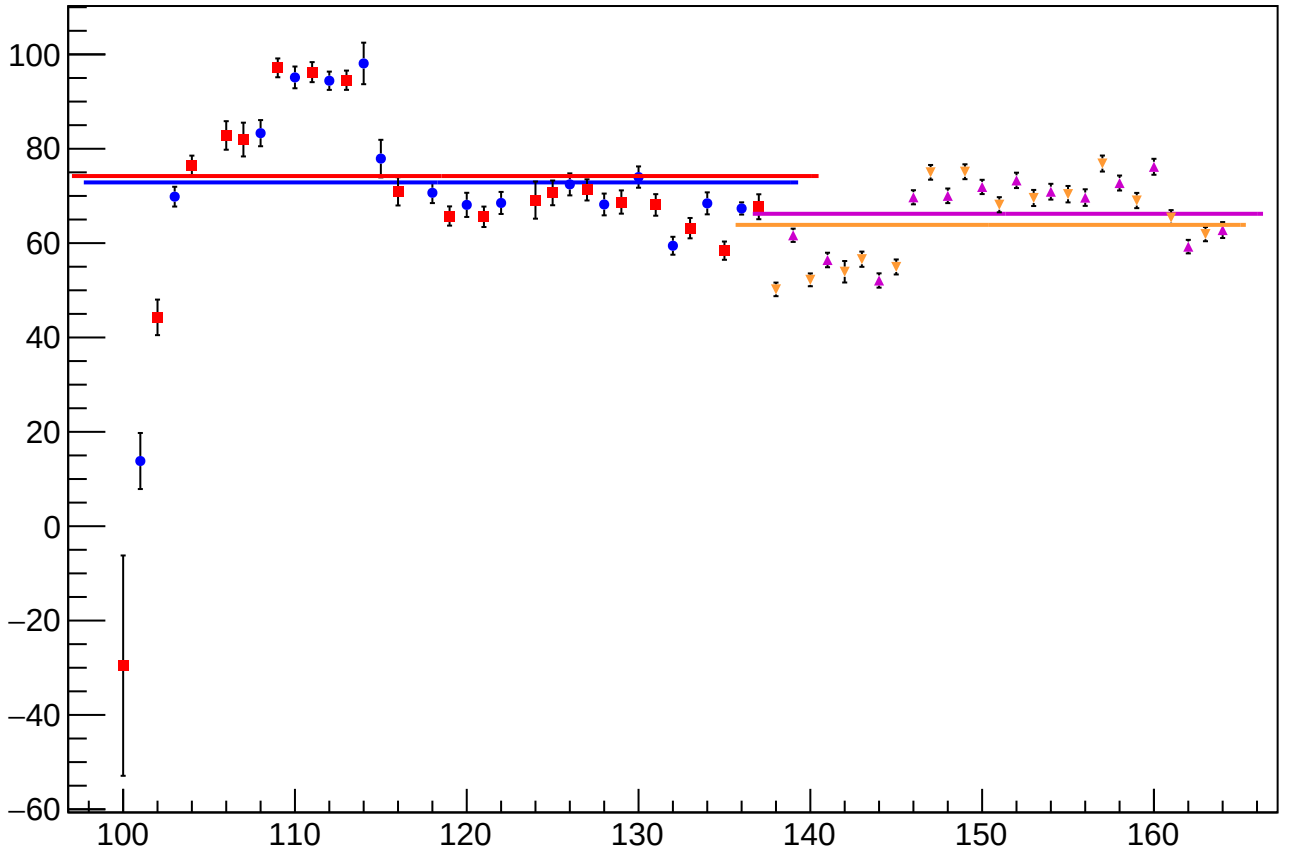
Left: -3.822+/-0.216 χ^2/NDF: 163.4/26

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.804+/-0.267 χ^2/NDF:274.5/28

Out: -4.335+/-0.259 χ^2/NDF:227.3/32

All: -4.077+/-0.186 χ^2/NDF: 503.8/61



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.868+/-0.429 χ^2/NDF:439.8/13

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 66.216+/-0.434 χ^2/NDF:273.0/12

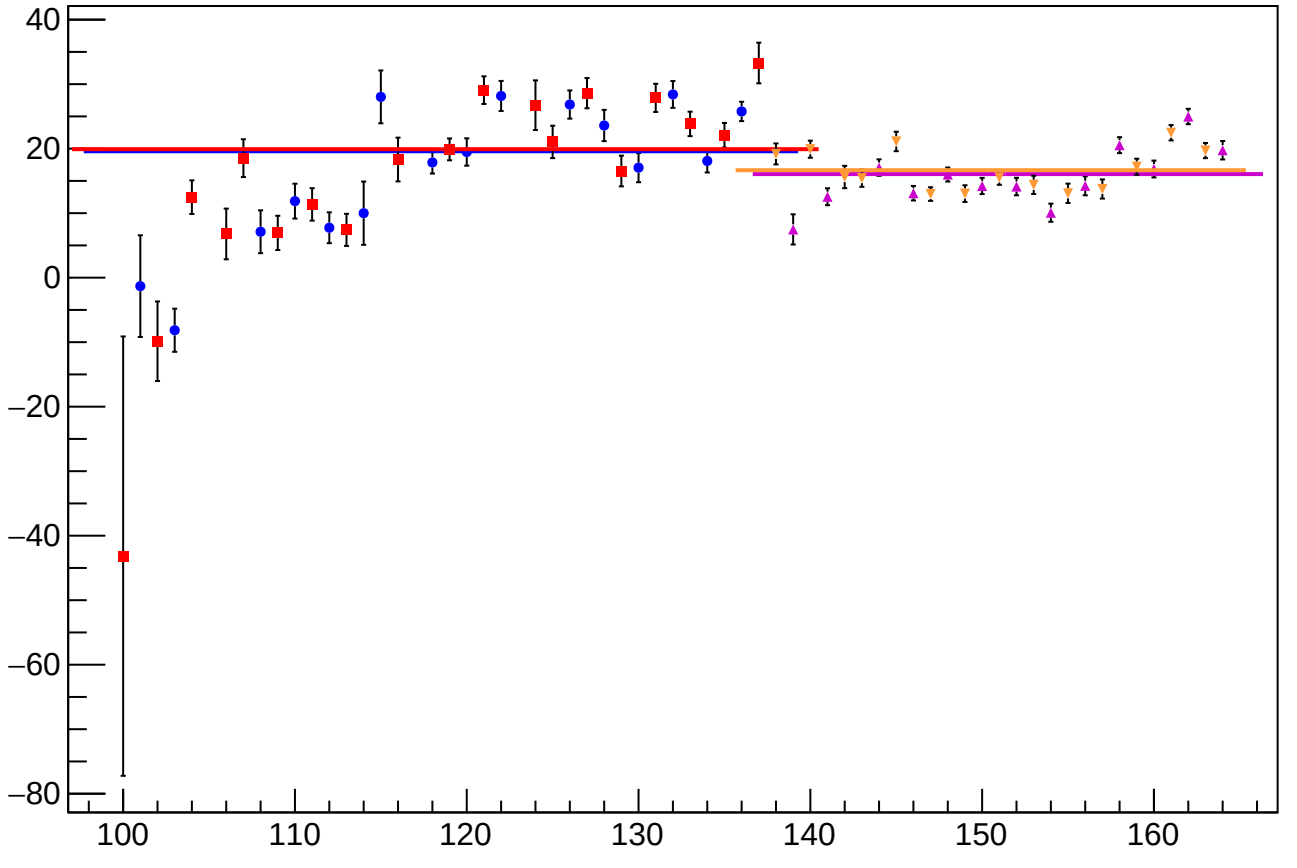
Left: 65.027+/-0.305 χ^2/NDF: 727.6/26

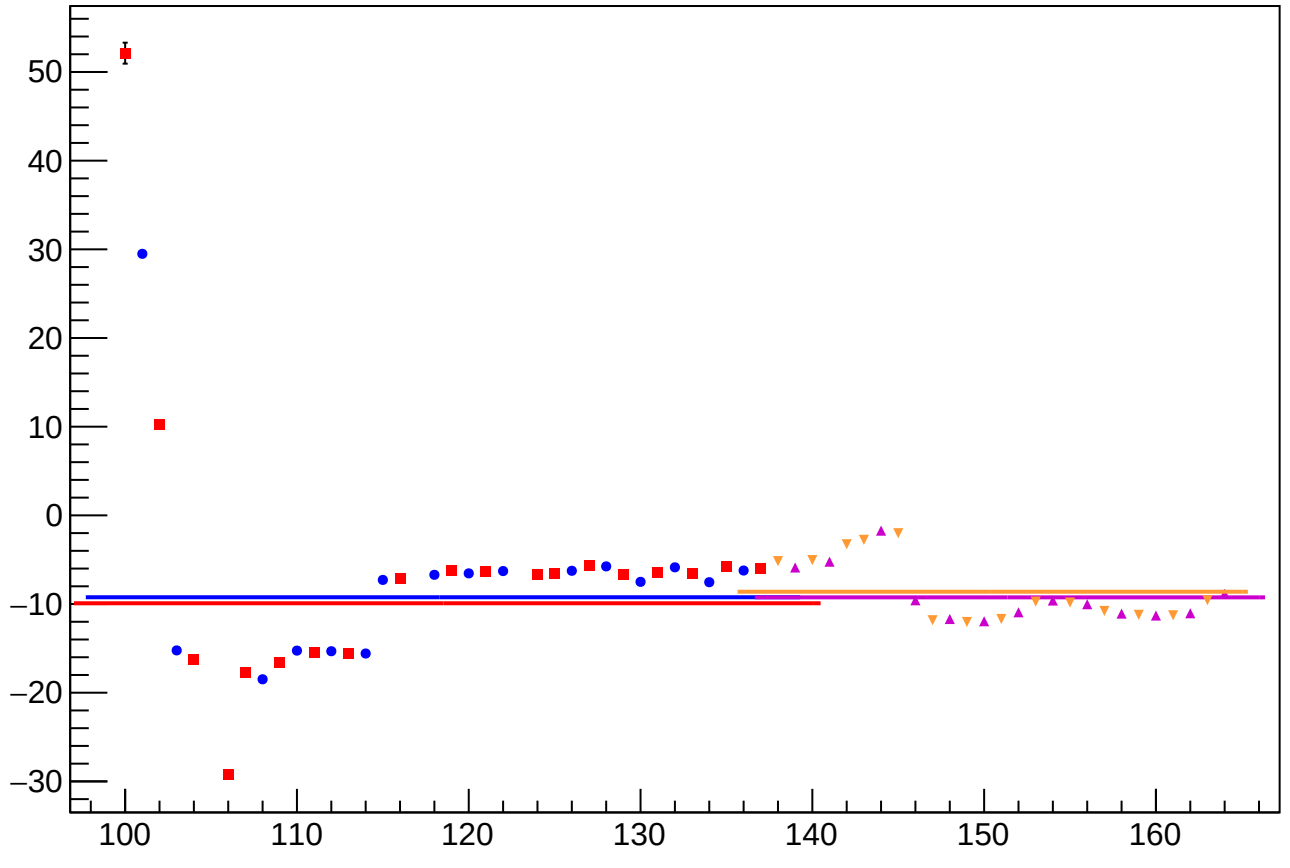
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

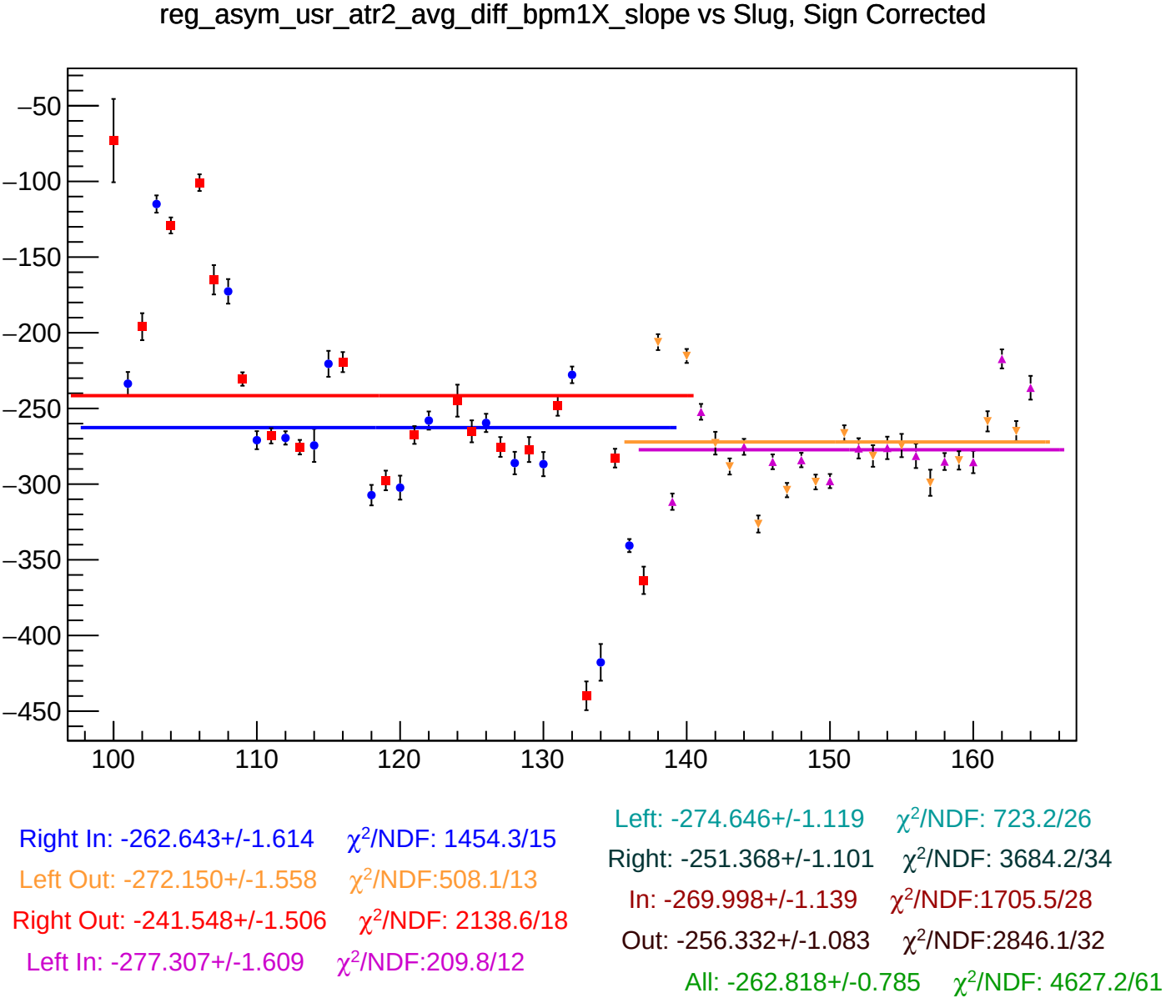
In: 68.685+/-0.344 χ^2/NDF:810.7/28

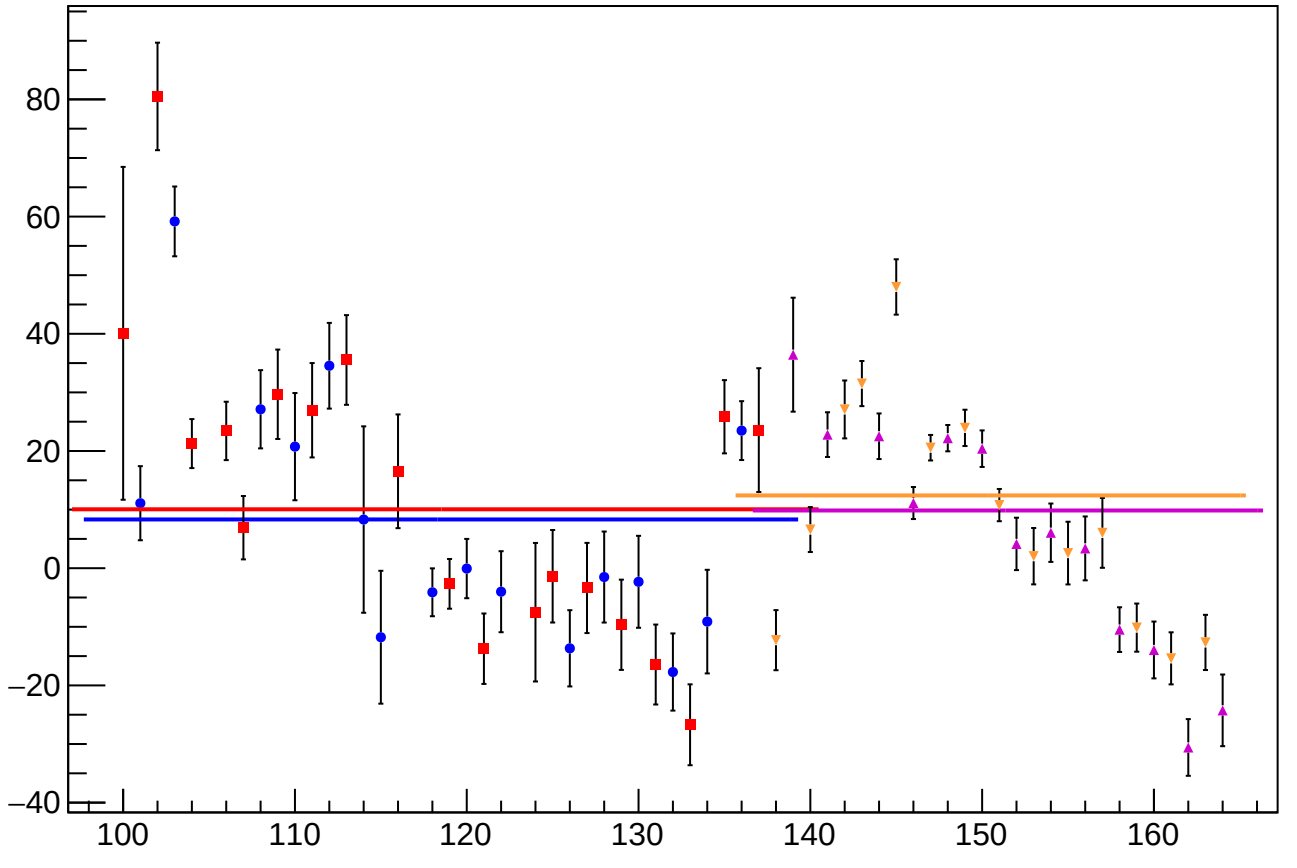
Out: 67.675+/-0.341 χ^2/NDF:1240.1/32

All: 68.175+/-0.242 χ^2/NDF: 2055.2/61


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
160
Right In: 19.598+/-0.585 χ²/NDF: 196.0/15
Left Out: 16.660+/-0.353 χ²/NDF:82.4/13
Right Out: 19.919+/-0.585 χ²/NDF: 181.3/18
Left In: 16.058+/-0.363 χ²/NDF:128.2/12
Left: 16.367+/-0.253 χ²/NDF: 212.0/26
Right: 19.759+/-0.414 χ²/NDF: 377.5/34
In: 17.041+/-0.308 χ²/NDF:350.6/28
Out: 17.531+/-0.303 χ²/NDF:286.4/32
All: 17.291+/-0.216 χ²/NDF: 638.3/61


reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
Right In: -9.235+/-0.033 χ²/NDF: 31159.3/15
Left Out: -8.611+/-0.016 χ²/NDF:43539.7/13
Right Out: -9.913+/-0.034 χ²/NDF: 53863.3/18
Left In: -9.247+/-0.016 χ²/NDF:28871.8/12
Left: -8.928+/-0.012 χ²/NDF: 73171.7/26
Right: -9.558+/-0.024 χ²/NDF: 85225.4/34
In: -9.244+/-0.015 χ²/NDF:60031.1/28
Out: -8.849+/-0.015 χ²/NDF:98571.0/32
All: -9.048+/-0.010 χ²/NDF: 158965.0/61


reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
−450
100
110
120
130
140
150
160
Right In: -262.643+/-1.614 χ2/NDF: 1454.3/15
Left Out: -272.150+/-1.558 χ2/NDF:508.1/13
Right Out: -241.548+/-1.506 χ2/NDF: 2138.6/18
Left In: -277.307+/-1.609 χ2/NDF:209.8/12
Left: -274.646+/-1.119 χ2/NDF: 723.2/26
Right: -251.368+/-1.101 χ2/NDF: 3684.2/34
In: -269.998+/-1.139 χ2/NDF:1705.5/28
Out: -256.332+/-1.083 χ2/NDF:2846.1/32
All: -262.818+/-0.785 χ2/NDF: 4627.2/61



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 12.417+/-1.017 χ^2/NDF:250.7/13

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 9.851+/-1.063 χ^2/NDF:228.6/12

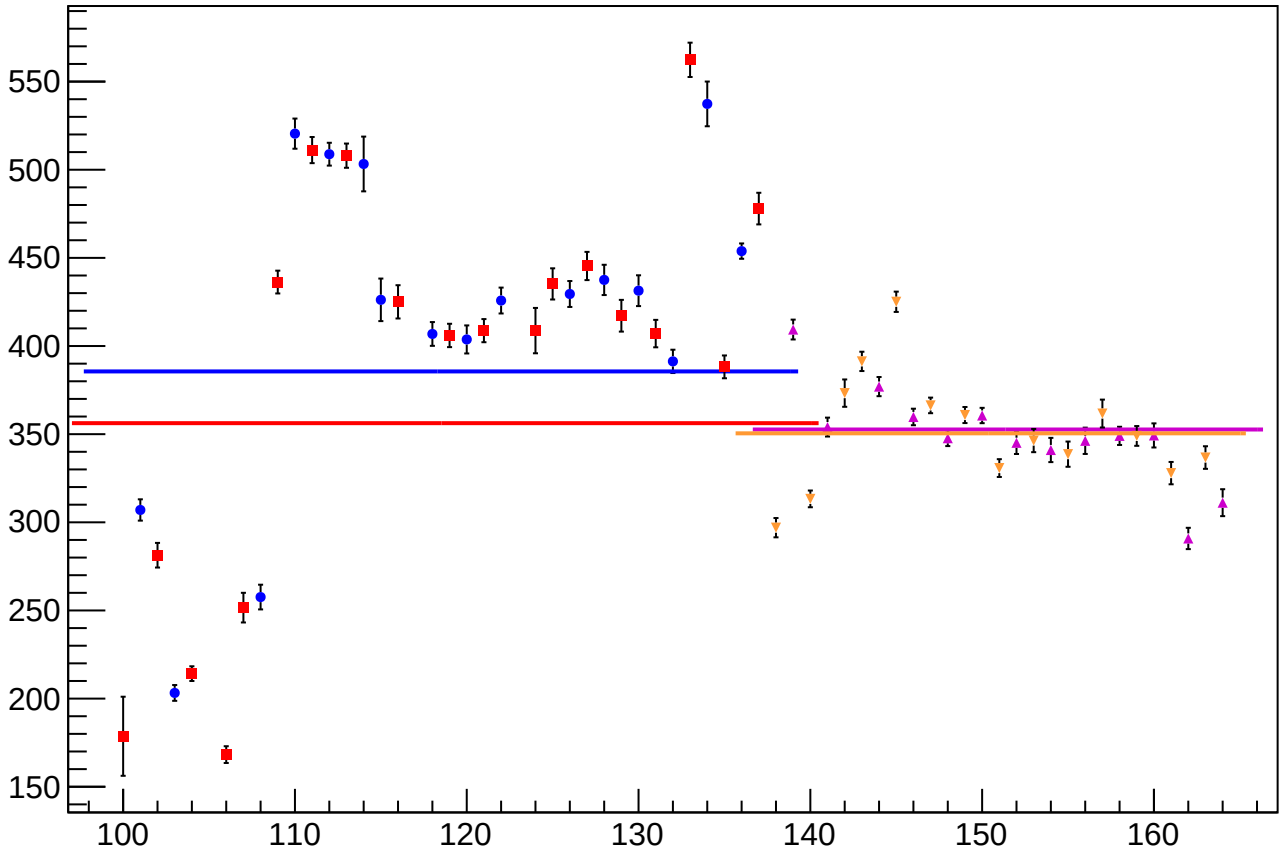
Left: 11.191+/-0.735 χ^2/NDF: 482.3/26

Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 9.399+/-0.893 χ^2/NDF:386.8/28

Out: 11.699+/-0.848 χ^2/NDF:439.7/32

All: 10.608+/-0.615 χ^2/NDF: 830.1/61



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 350.473+/-1.514 χ^2/NDF:444.9/13

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 352.647+/-1.550 χ^2/NDF:268.2/12

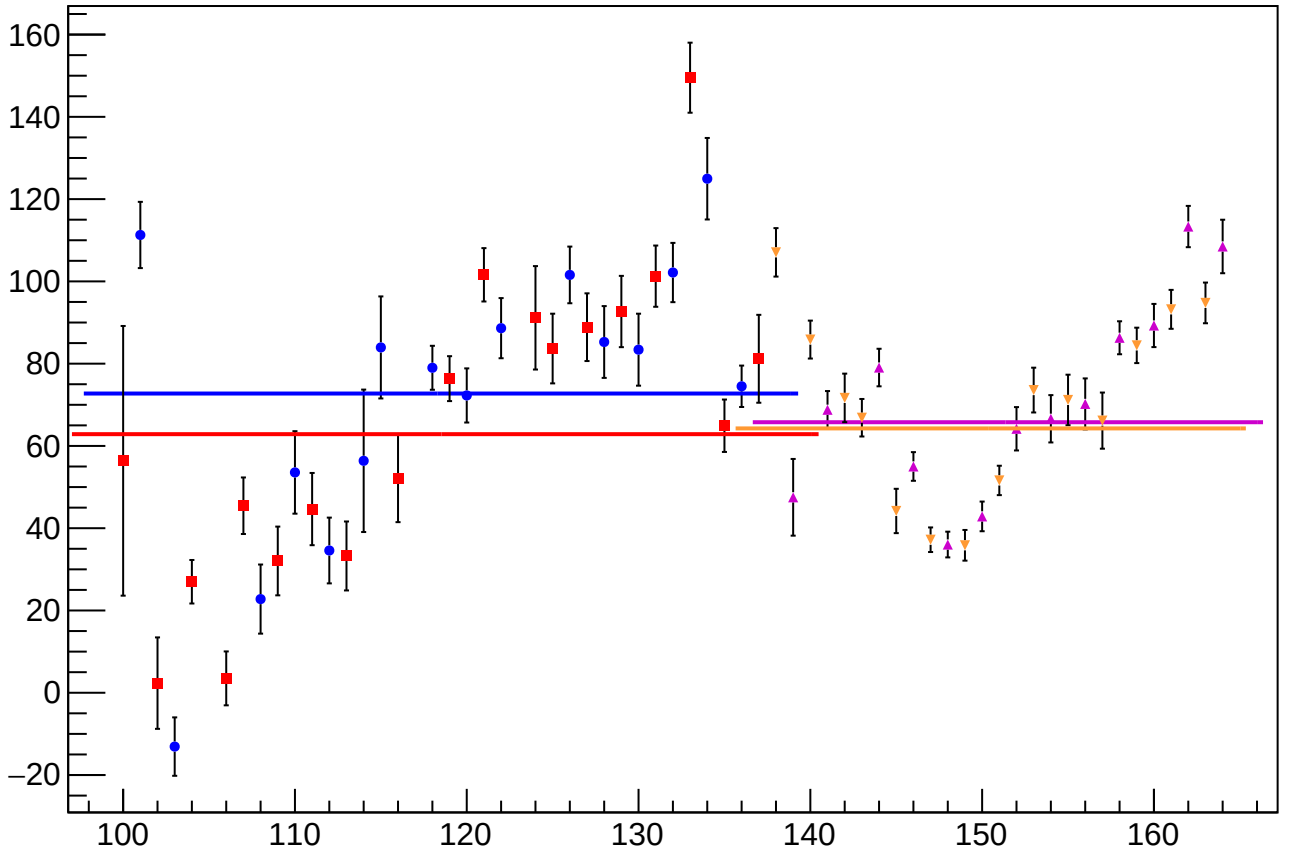
Left: 351.535+/-1.083 χ^2/NDF: 714.1/26

Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 367.205+/-1.158 χ^2/NDF:3840.9/28

Out: 353.118+/-1.115 χ^2/NDF:5721.8/32

All: 359.892+/-0.803 χ^2/NDF: 9639.5/61



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 64.259+/-1.221 χ^2/NDF:344.7/13

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 65.765+/-1.266 χ^2/NDF:332.9/12

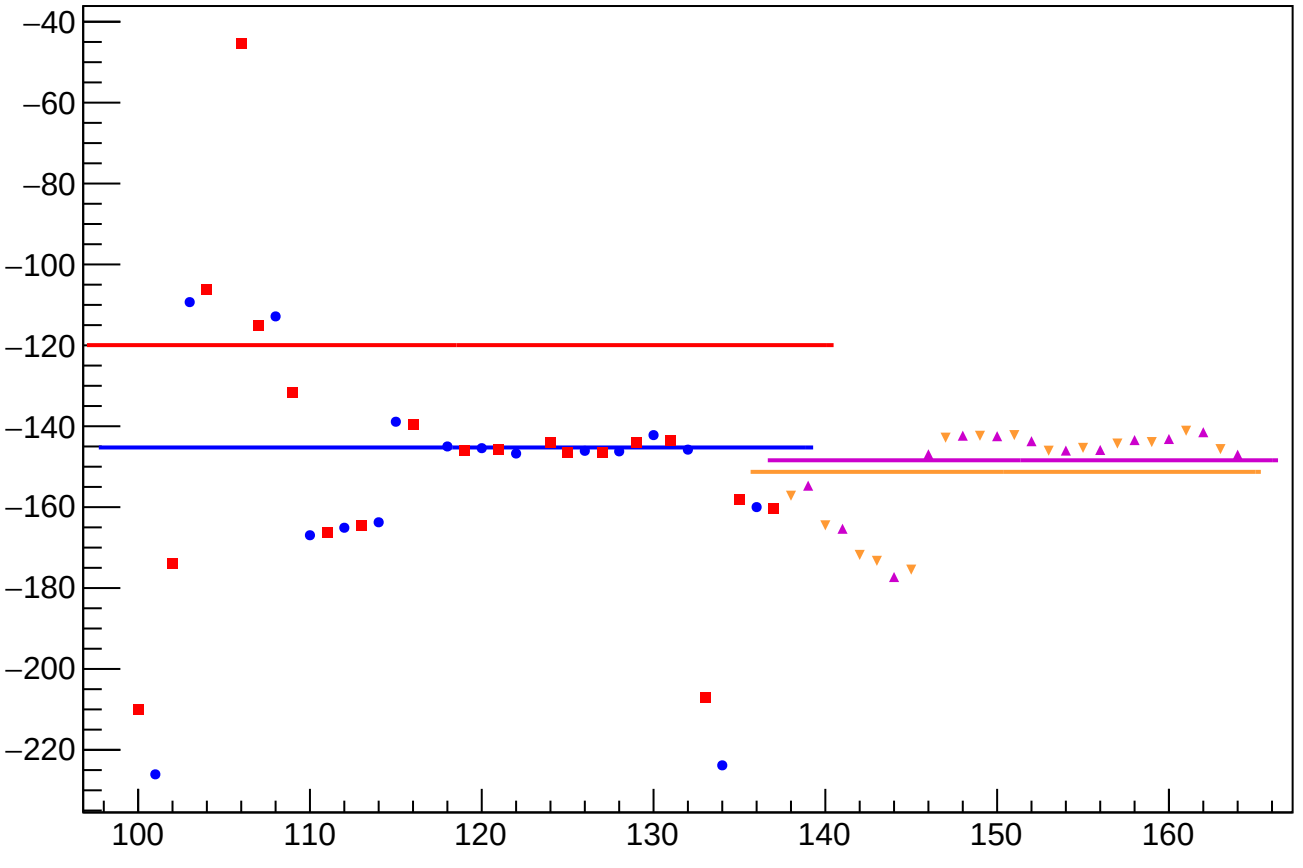
Left: 64.985+/-0.879 χ^2/NDF: 678.3/26

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 67.915+/-1.053 χ^2/NDF:646.6/28

Out: 63.817+/-1.010 χ^2/NDF:748.7/32

All: 65.780+/-0.729 χ^2/NDF: 1403.2/61



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -151.273+/-0.059 χ^2/NDF:41335.7/13

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -148.414+/-0.059 χ^2/NDF:26177.3/12

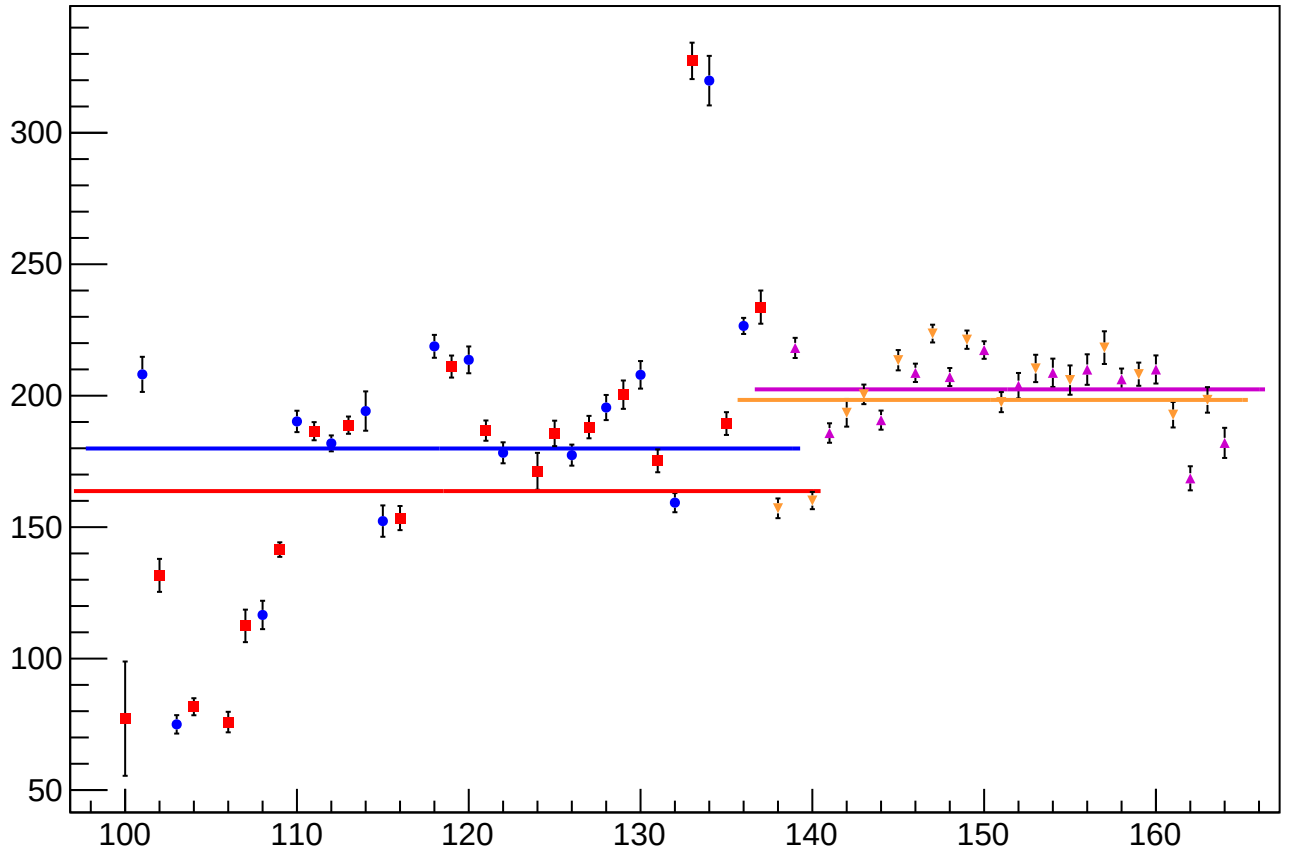
Left: -149.849+/-0.042 χ^2/NDF: 68679.3/26

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -147.569+/-0.051 χ^2/NDF:158995.3/28

Out: -141.684+/-0.049 χ^2/NDF:397715.4/32

All: -144.534+/-0.035 χ^2/NDF: 563631.5/61



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 198.394+/-1.111 χ^2/NDF:396.5/13

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 202.407+/-1.152 χ^2/NDF:145.8/12

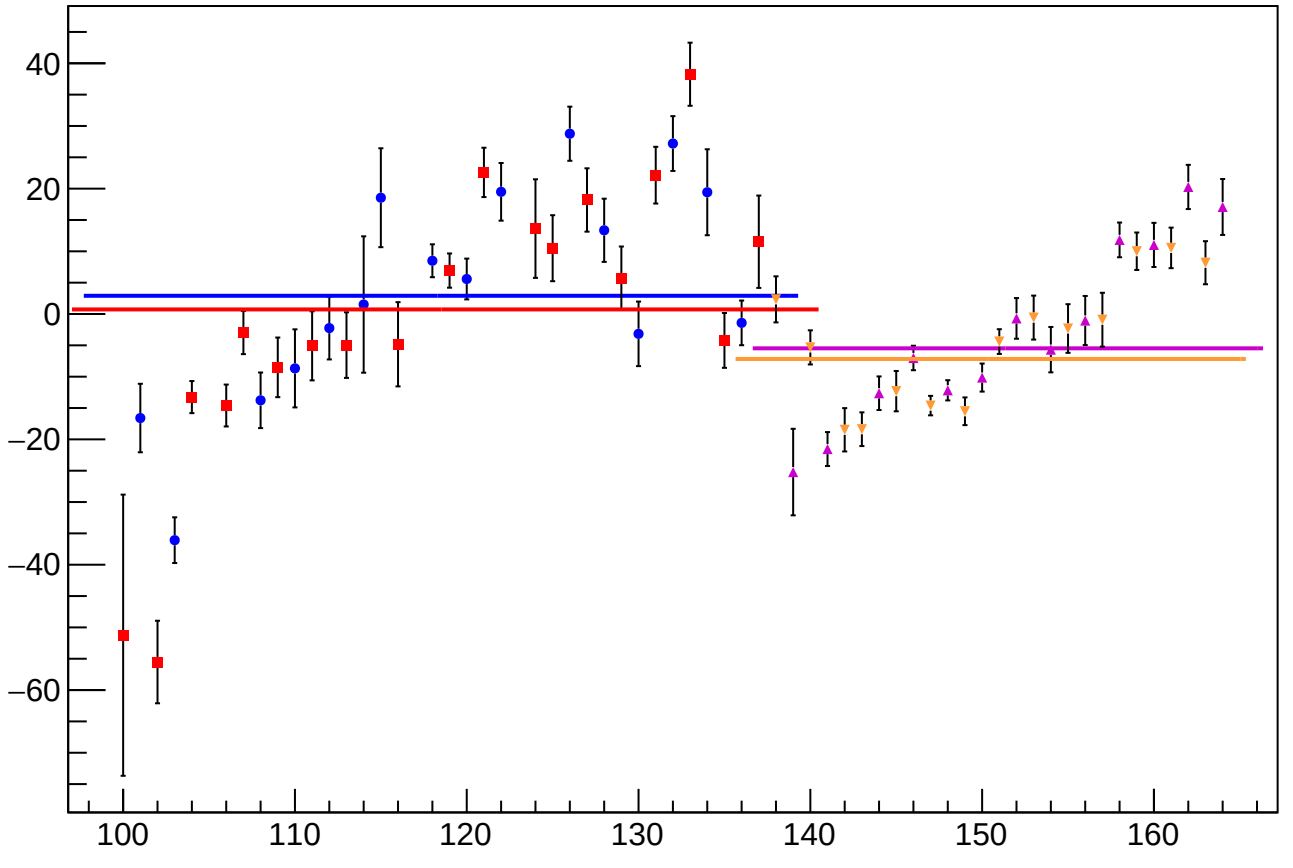
Left: 200.329+/-0.800 χ^2/NDF: 548.5/26

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 190.527+/-0.791 χ^2/NDF:2079.8/28

Out: 179.245+/-0.744 χ^2/NDF:3350.8/32

All: 184.537+/-0.542 χ^2/NDF: 5538.6/61



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -7.173+/-0.726 χ^2/NDF:167.2/13

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -5.477+/-0.762 χ^2/NDF:216.0/12

Left: -6.367+/-0.526 χ^2/NDF: 385.8/26

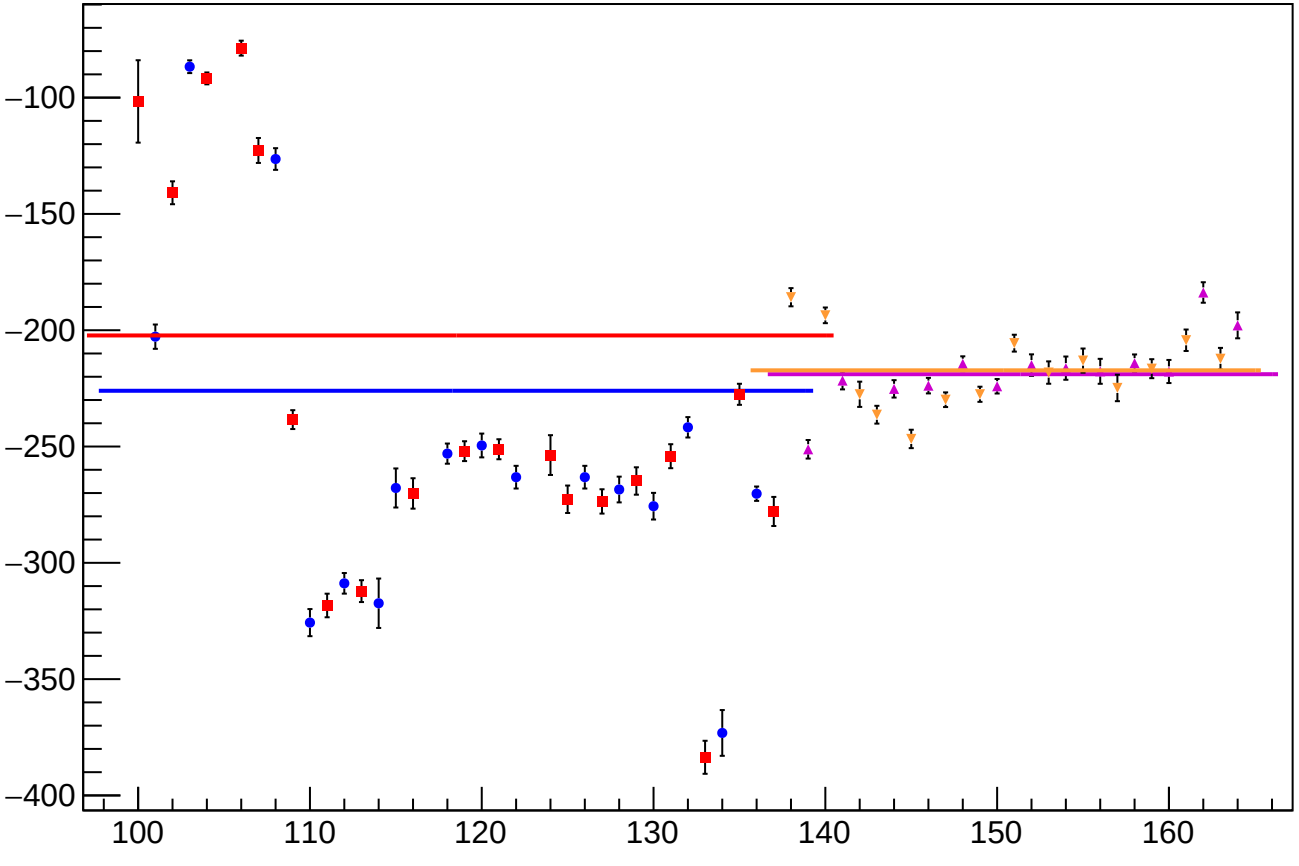
Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -2.772+/-0.627 χ^2/NDF:502.5/28

Out: -4.489+/-0.590 χ^2/NDF:481.1/32

All: -3.683+/-0.430 χ^2/NDF: 987.6/61

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -217.240+/-1.082 χ^2/NDF:245.7/13

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -218.903+/-1.111 χ^2/NDF:156.1/12

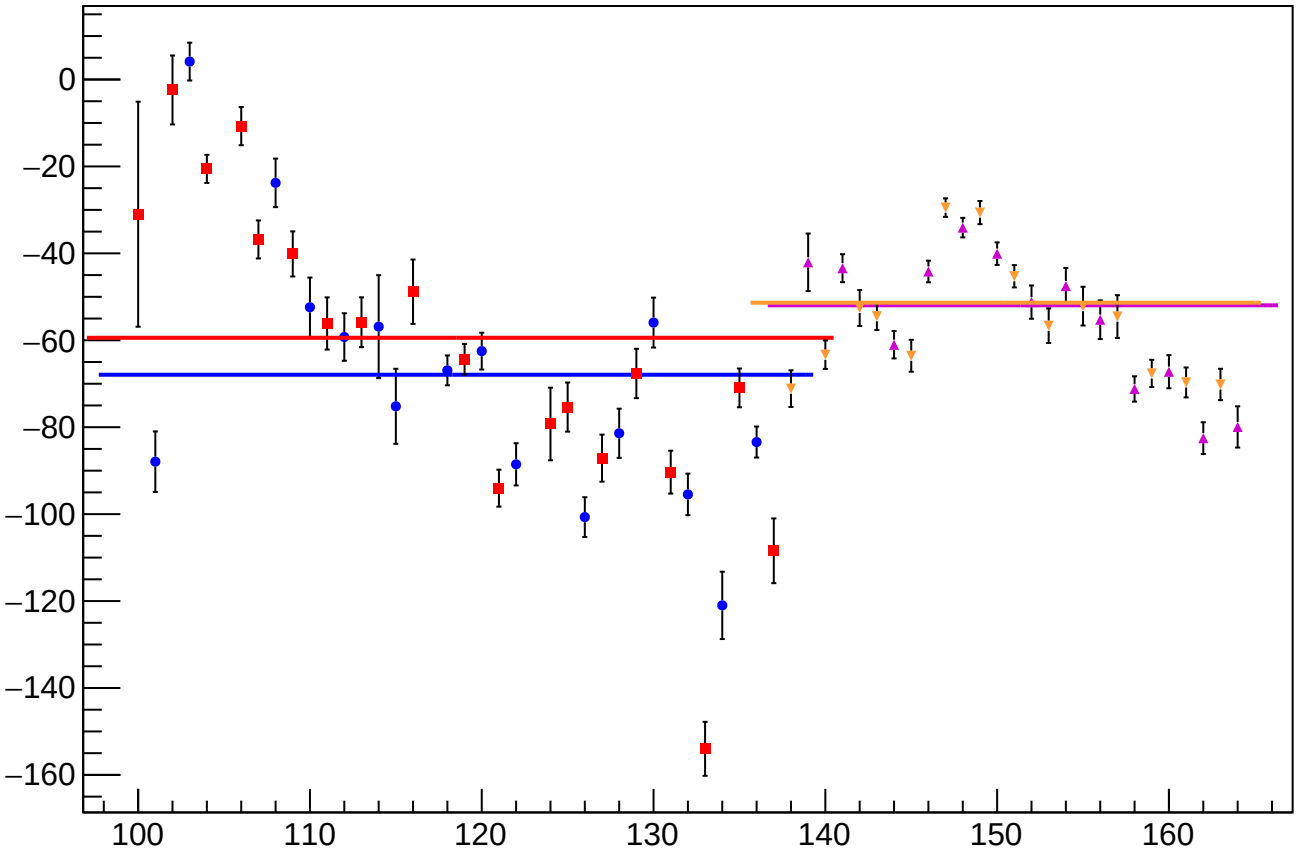
Left: -218.049+/-0.775 χ^2/NDF: 402.9/26

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

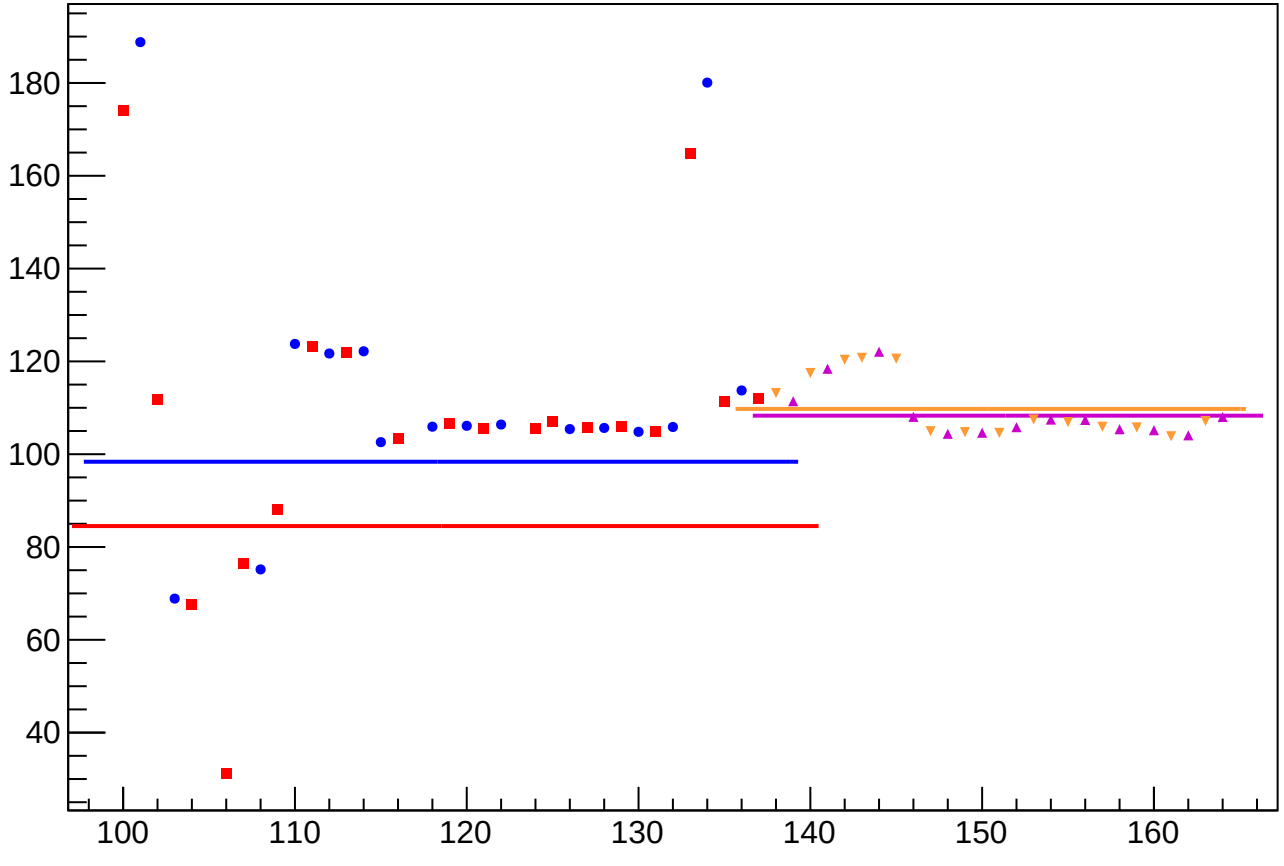
In: -222.267+/-0.807 χ^2/NDF:4714.5/28

Out: -209.780+/-0.767 χ^2/NDF:7032.1/32

All: -215.702+/-0.556 χ^2/NDF: 11872.3/61


reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
Right In: -67.927+/-1.278 χ²/NDF: 534.0/15
Left Out: -51.351+/-0.873 χ²/NDF:303.9/13
Right Out: -59.428+/-1.184 χ²/NDF: 794.9/18
Left In: -51.957+/-0.909 χ²/NDF:277.8/12
Left: -51.642+/-0.629 χ²/NDF: 581.9/26
Right: -63.353+/-0.869 χ²/NDF: 1352.7/34
In: -57.319+/-0.741 χ²/NDF:915.5/28
Out: -54.195+/-0.703 χ²/NDF:1128.9/32
All: -55.675+/-0.510 χ²/NDF: 2053.7/61

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: 109.758+/-0.042 χ^2/NDF:21972.1/13

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 108.304+/-0.043 χ^2/NDF:14980.6/12

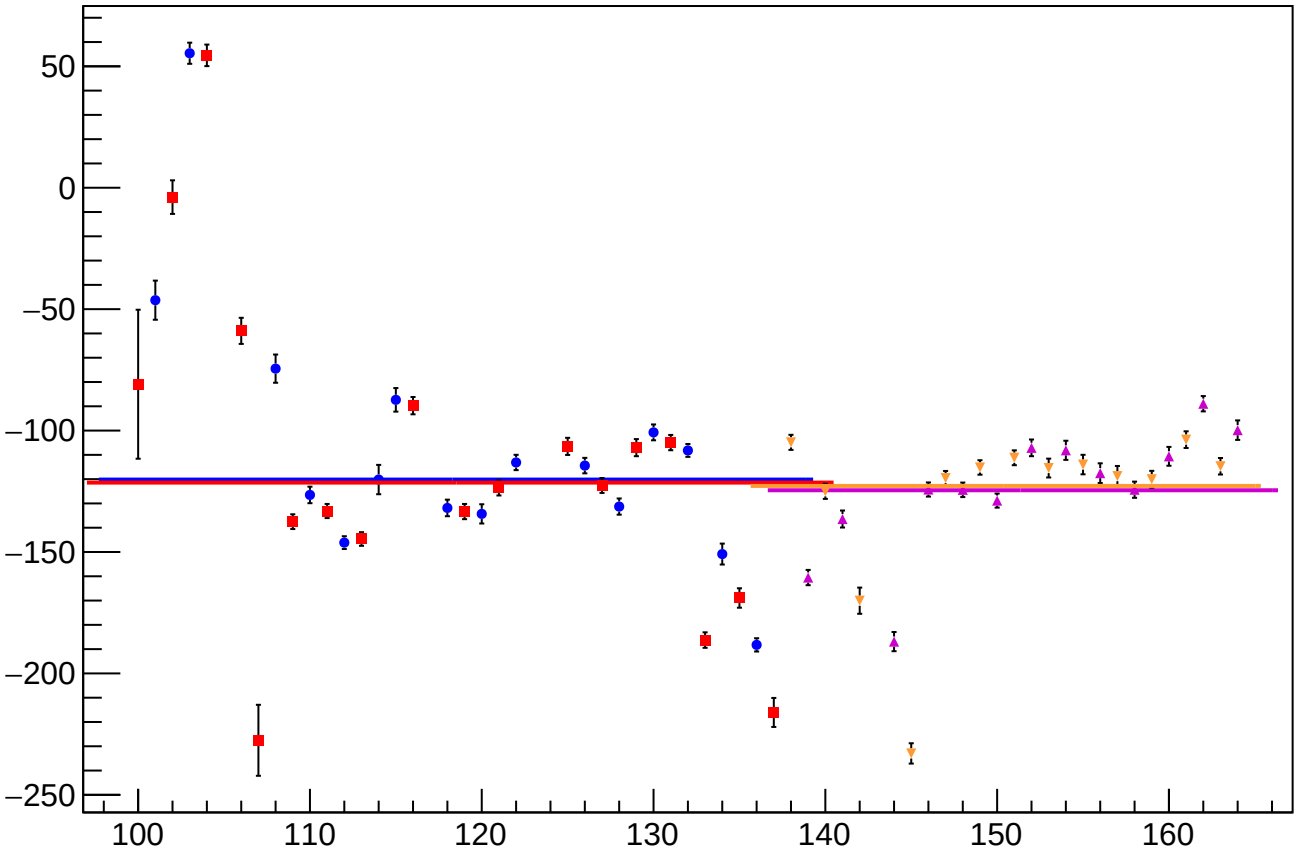
Left: 109.036+/-0.030 χ^2/NDF: 37539.9/26

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.387+/-0.036 χ^2/NDF:259355.5/28

Out: 101.494+/-0.035 χ^2/NDF:407514.2/32

All: 103.379+/-0.025 χ^2/NDF: 672969.6/61



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -122.791+/-0.965 χ^2/NDF:871.6/12

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -124.580+/-0.943 χ^2/NDF:617.6/12

Left: -123.706+/-0.675 χ^2/NDF: 1490.9/25

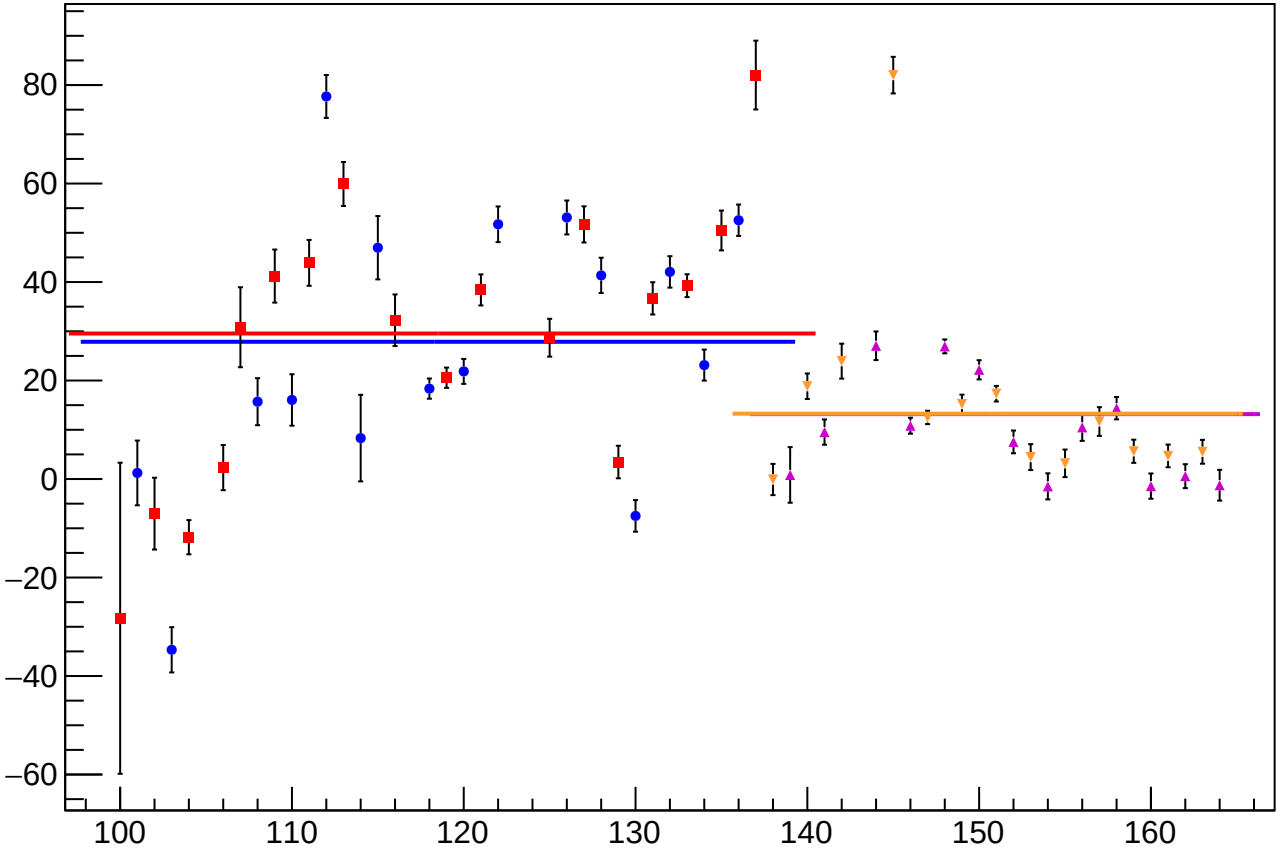
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -122.252+/-0.647 χ^2/NDF:3320.4/28

Out: -122.038+/-0.648 χ^2/NDF:3999.0/30

All: -122.145+/-0.458 χ^2/NDF: 7319.4/59

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: 13.271+/-0.626 χ^2/NDF:441.1/12

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 13.179+/-0.629 χ^2/NDF:266.8/12

Left: 13.225+/-0.444 χ^2/NDF: 707.9/25

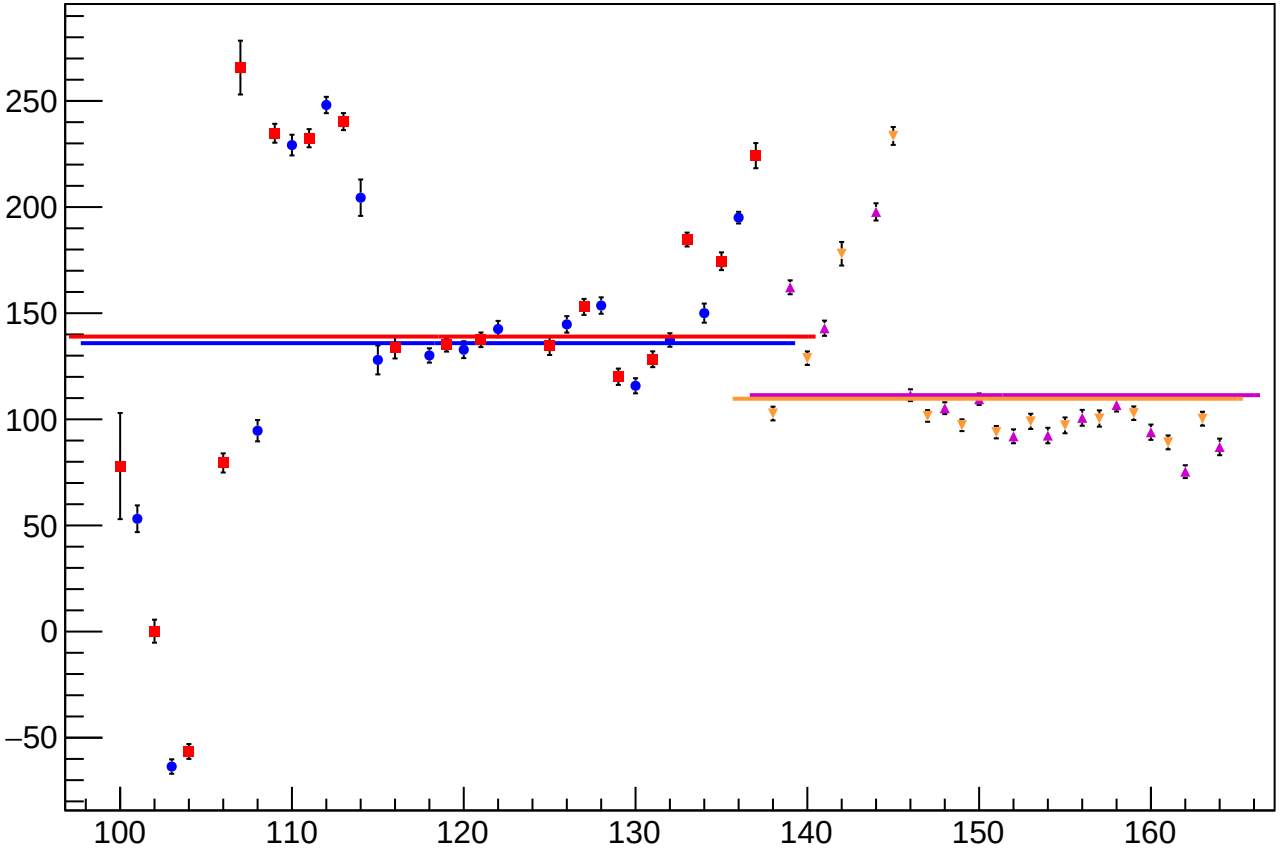
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 18.085+/-0.513 χ^2/NDF:1148.7/28

Out: 18.667+/-0.512 χ^2/NDF:1162.5/30

All: 18.377+/-0.363 χ^2/NDF: 2311.8/59

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 109.706+/-0.928 χ^2/NDF:1188.1/12

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 111.378+/-0.905 χ^2/NDF:1048.7/12

Left: 110.563+/-0.648 χ^2/NDF: 2238.5/25

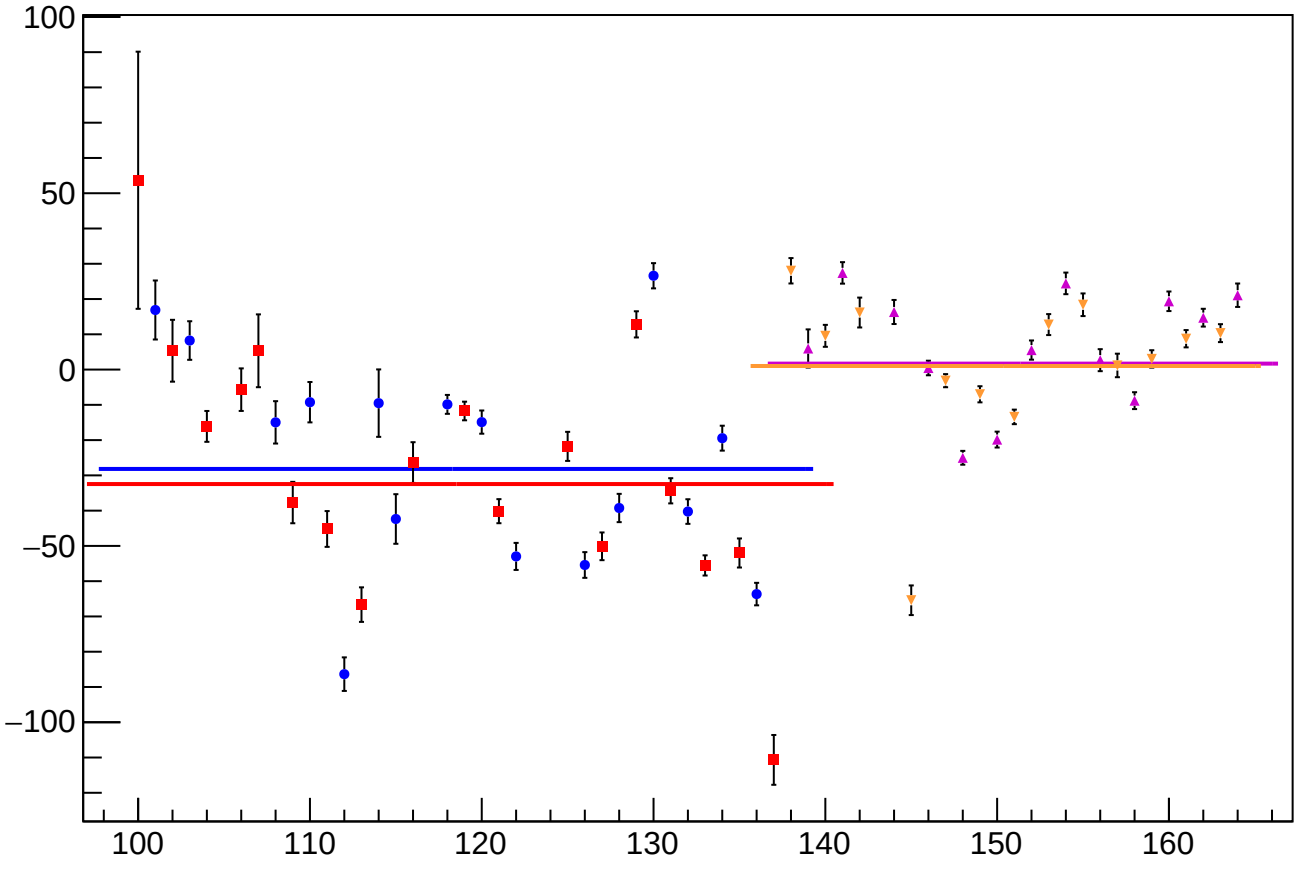
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 122.435+/-0.671 χ^2/NDF:6842.9/28

Out: 123.280+/-0.680 χ^2/NDF:7805.9/30

All: 122.852+/-0.477 χ^2/NDF: 14649.6/59

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: 1.015+/-0.746 χ^2/NDF:461.7/12

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 1.688+/-0.742 χ^2/NDF:545.6/12

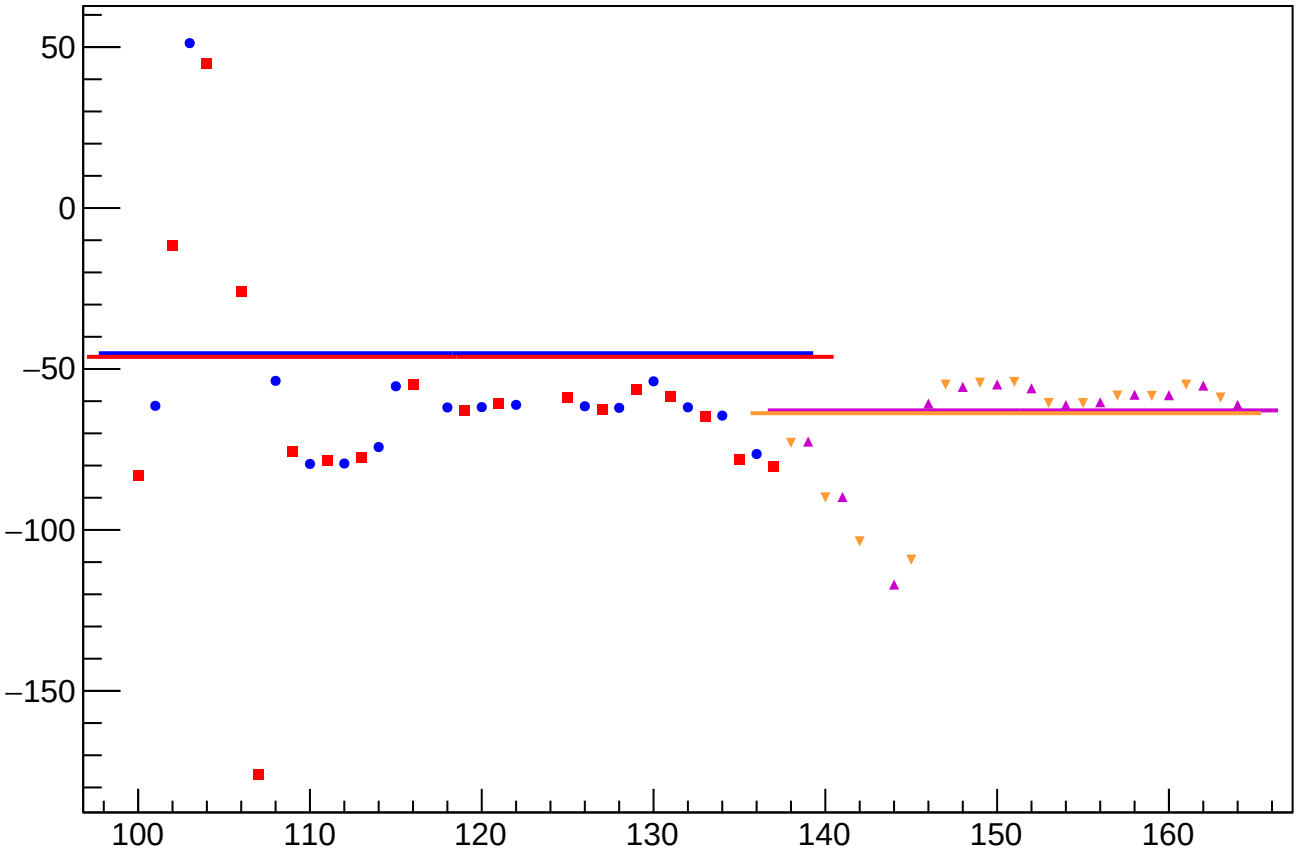
Left: 1.353+/-0.526 χ^2/NDF: 1007.7/25

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -8.618+/-0.601 χ^2/NDF:1895.7/28

Out: -10.550+/-0.604 χ^2/NDF:1737.4/30

All: -9.579+/-0.426 χ^2/NDF: 3638.2/59



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -63.740+/-0.035 χ^2/NDF:176316.8/12

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -62.867+/-0.034 χ^2/NDF:150306.0/12

Left: -63.289+/-0.025 χ^2/NDF: 326939.7/25

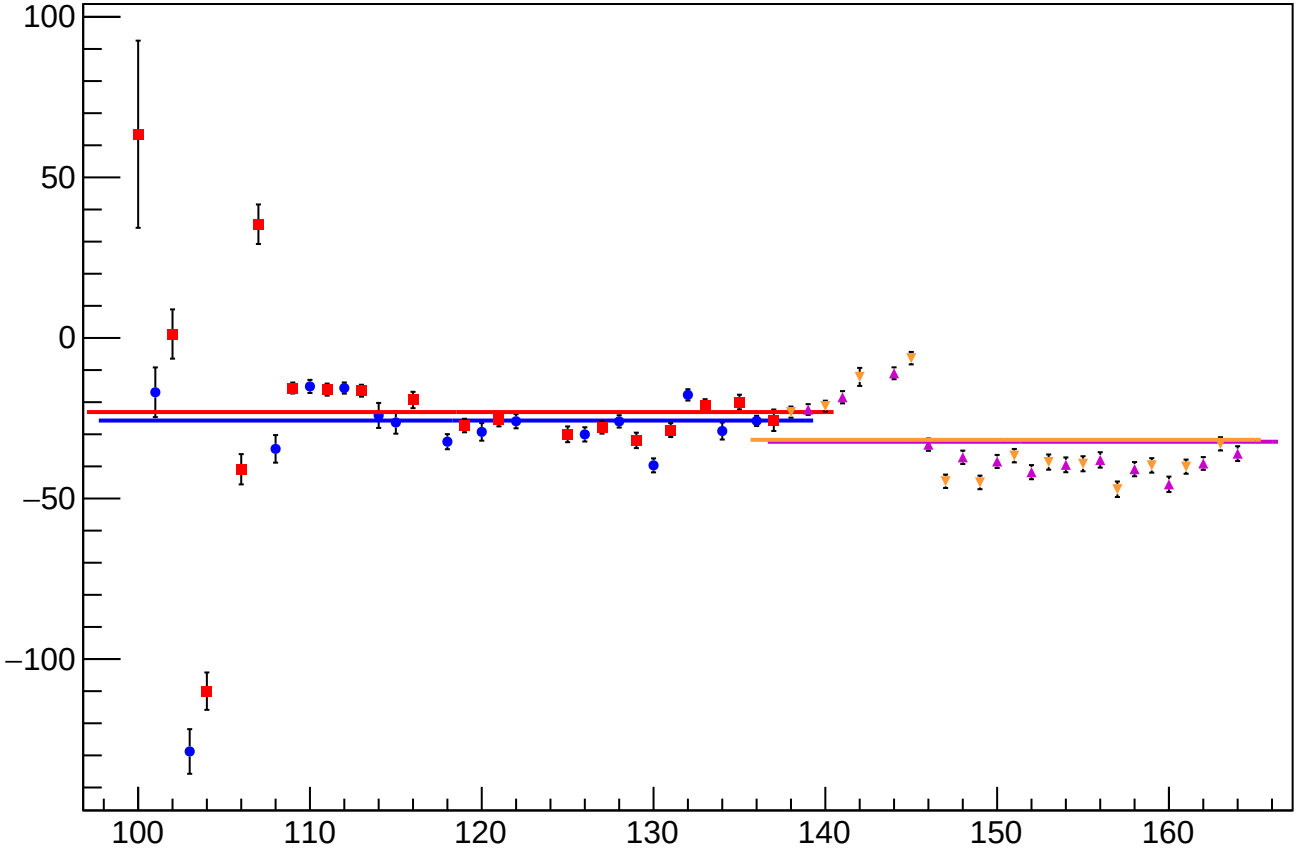
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.547+/-0.030 χ^2/NDF:791509.9/28

Out: -59.518+/-0.031 χ^2/NDF:729343.9/30

All: -59.015+/-0.021 χ^2/NDF: 1521370.9/59

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: -31.722+/-0.585 χ^2/NDF:453.4/12

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.322+/-0.573 χ^2/NDF:328.5/12

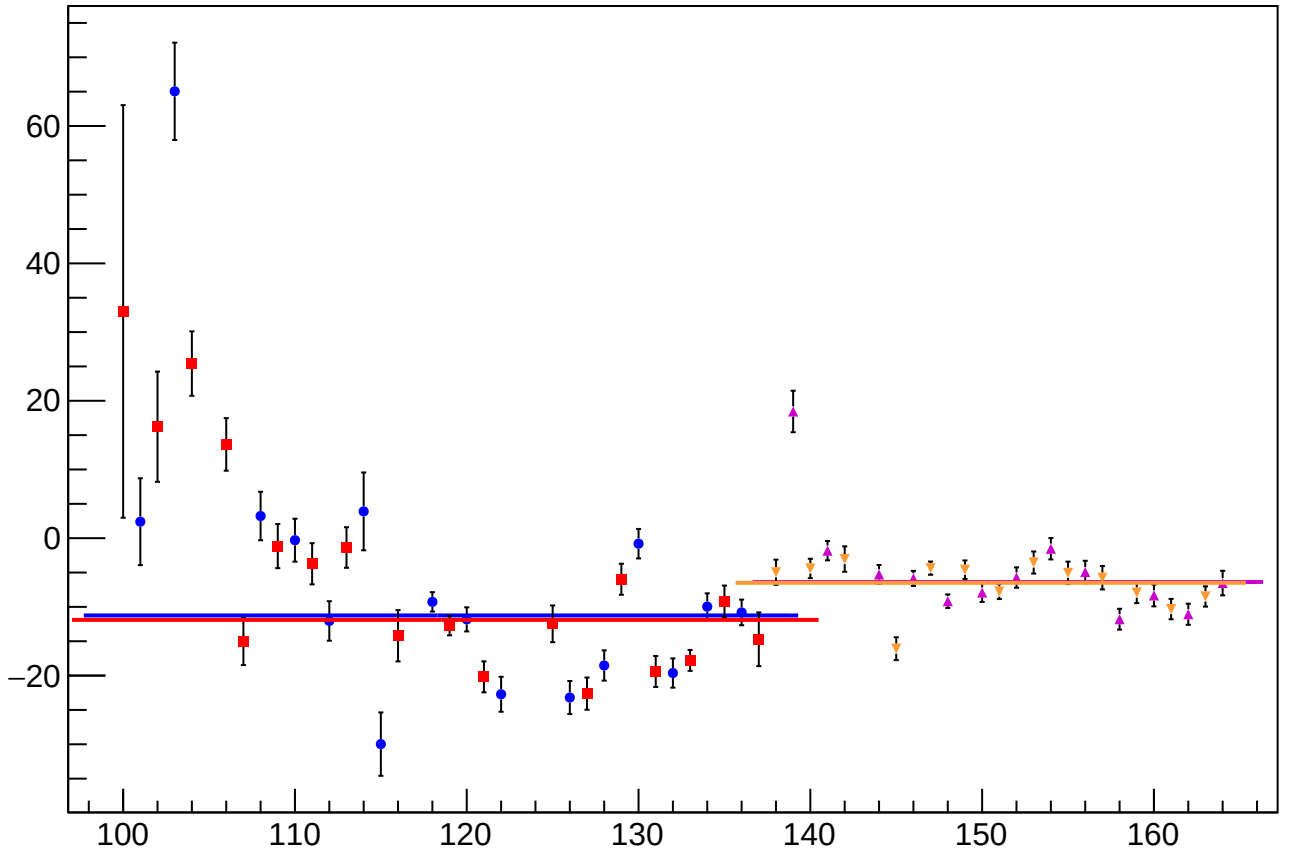
Left: -32.028+/-0.409 χ^2/NDF: 782.5/25

Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

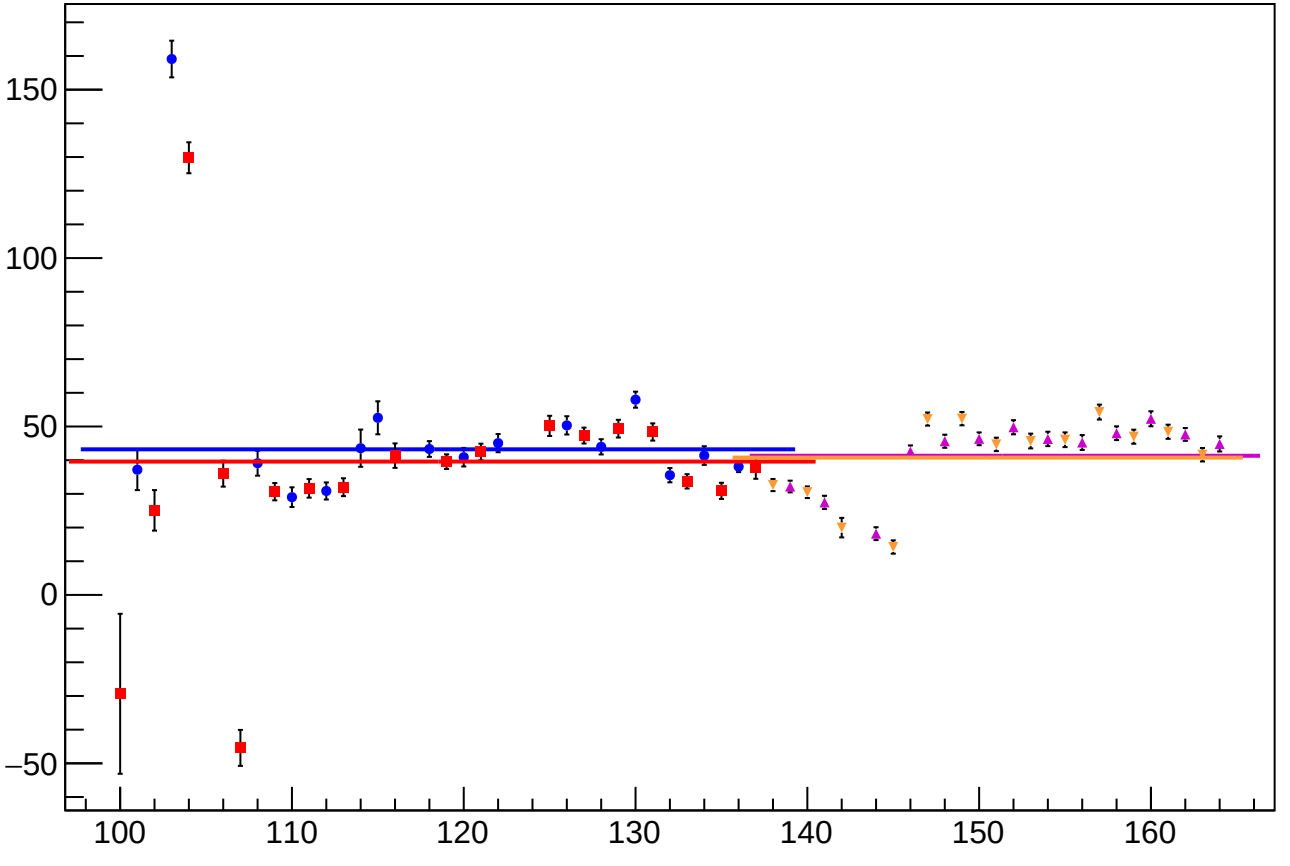
In: -29.122+/-0.411 χ^2/NDF:755.9/28

Out: -27.379+/-0.412 χ^2/NDF:1000.3/30

All: -28.254+/-0.291 χ^2/NDF: 1765.2/59


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: -11.246+/-0.600 χ²/NDF: 271.1/15
Left Out: -6.492+/-0.396 χ²/NDF:61.5/12
Right Out: -11.890+/-0.607 χ²/NDF: 224.5/17
Left In: -6.375+/-0.397 χ²/NDF:122.6/12
Left: -6.434+/-0.280 χ²/NDF: 184.1/25
Right: -11.564+/-0.427 χ²/NDF: 496.1/33
In: -7.857+/-0.331 χ²/NDF:439.6/28
Out: -8.106+/-0.332 χ²/NDF:341.4/30
All: -7.981+/-0.234 χ²/NDF: 781.2/59

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 40.767+/-0.567 χ^2/NDF:429.5/12

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 41.314+/-0.554 χ^2/NDF:309.3/12

Left: 41.047+/-0.396 χ^2/NDF: 739.2/25

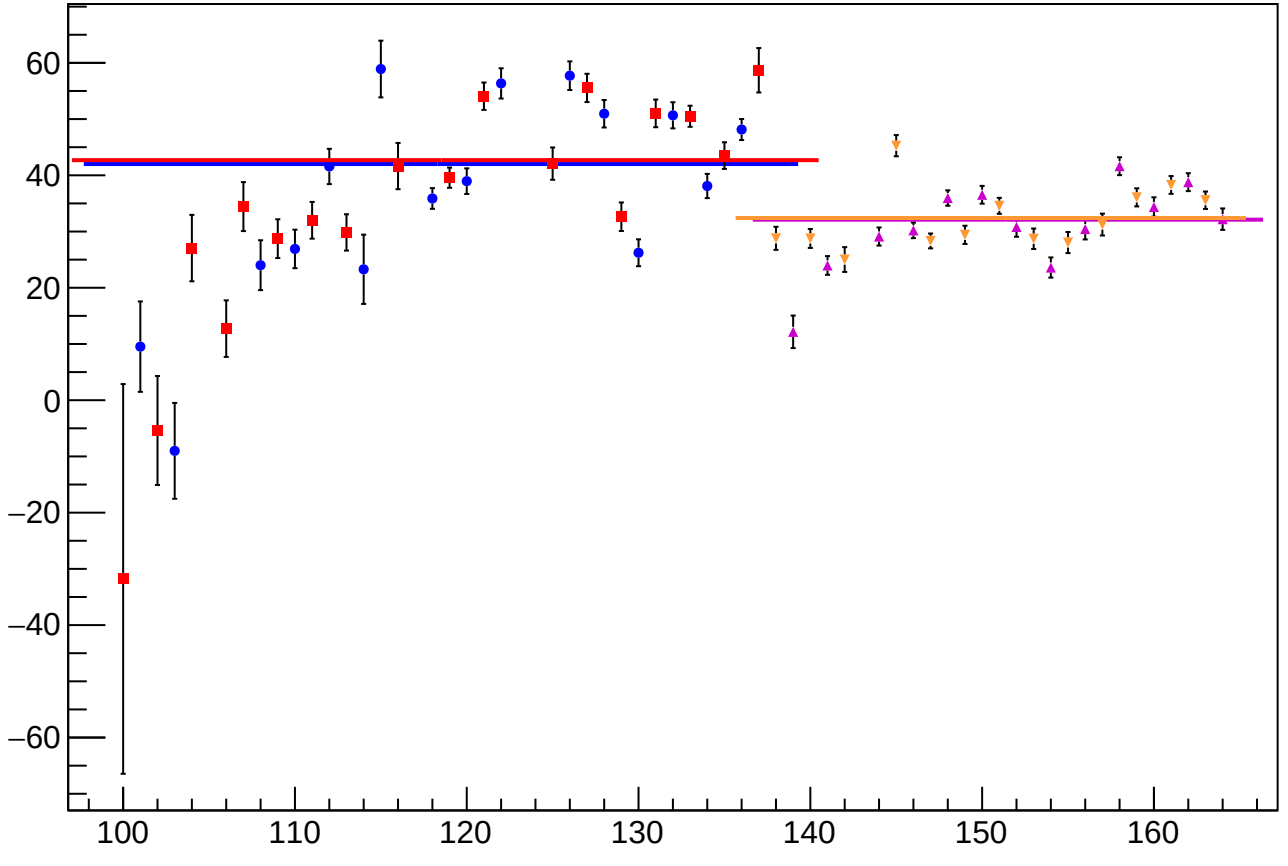
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 42.078+/-0.429 χ^2/NDF:890.0/28

Out: 40.287+/-0.437 χ^2/NDF:1185.2/30

All: 41.198+/-0.306 χ^2/NDF: 2083.8/59

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: 32.406+/-0.467 χ^2/NDF:113.9/12

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.109+/-0.464 χ^2/NDF:171.3/12

Left: 32.256+/-0.329 χ^2/NDF: 285.4/25

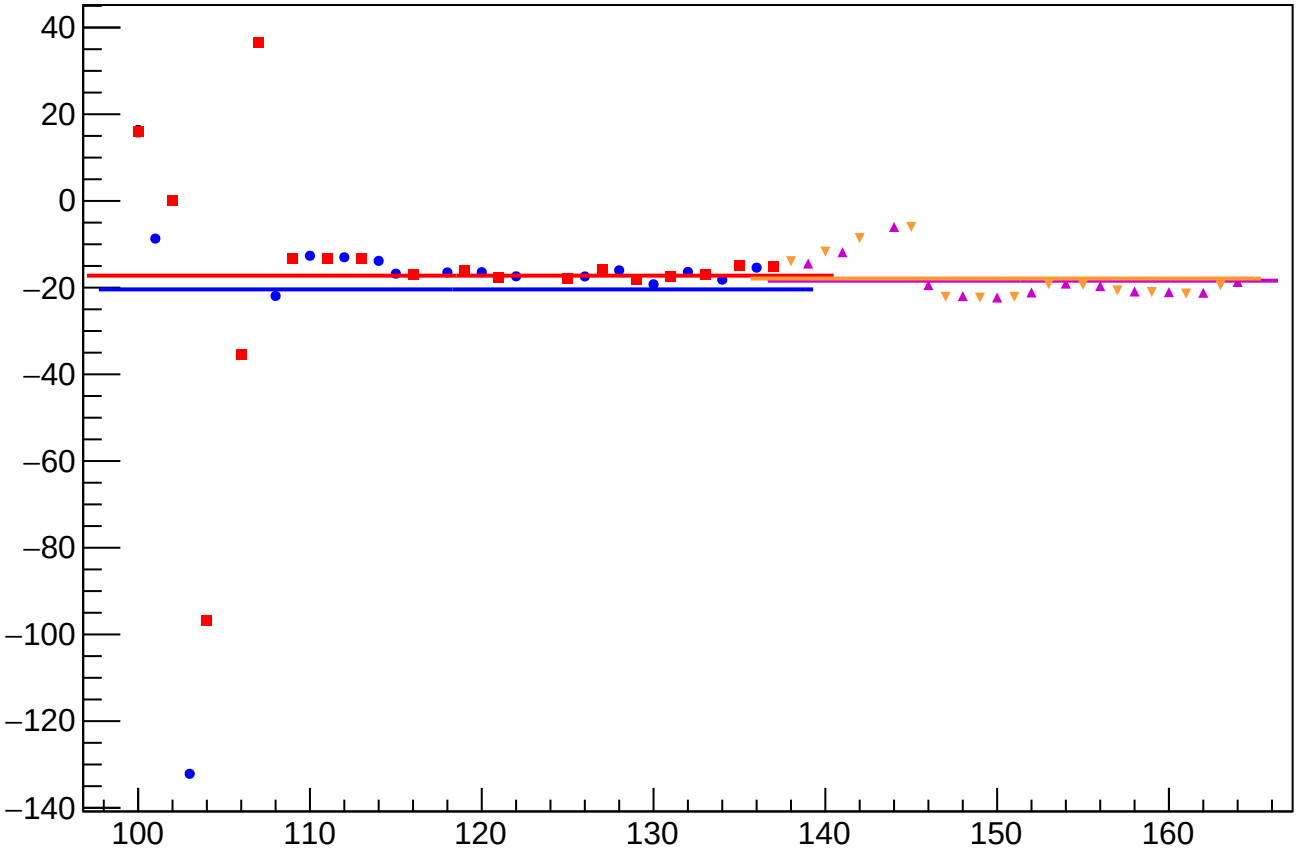
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.228+/-0.384 χ^2/NDF:587.6/28

Out: 35.610+/-0.388 χ^2/NDF:495.3/30

All: 35.417+/-0.273 χ^2/NDF: 1083.3/59

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: -17.901+/-0.021 χ^2/NDF:54006.8/12

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -18.392+/-0.021 χ^2/NDF:42234.0/12

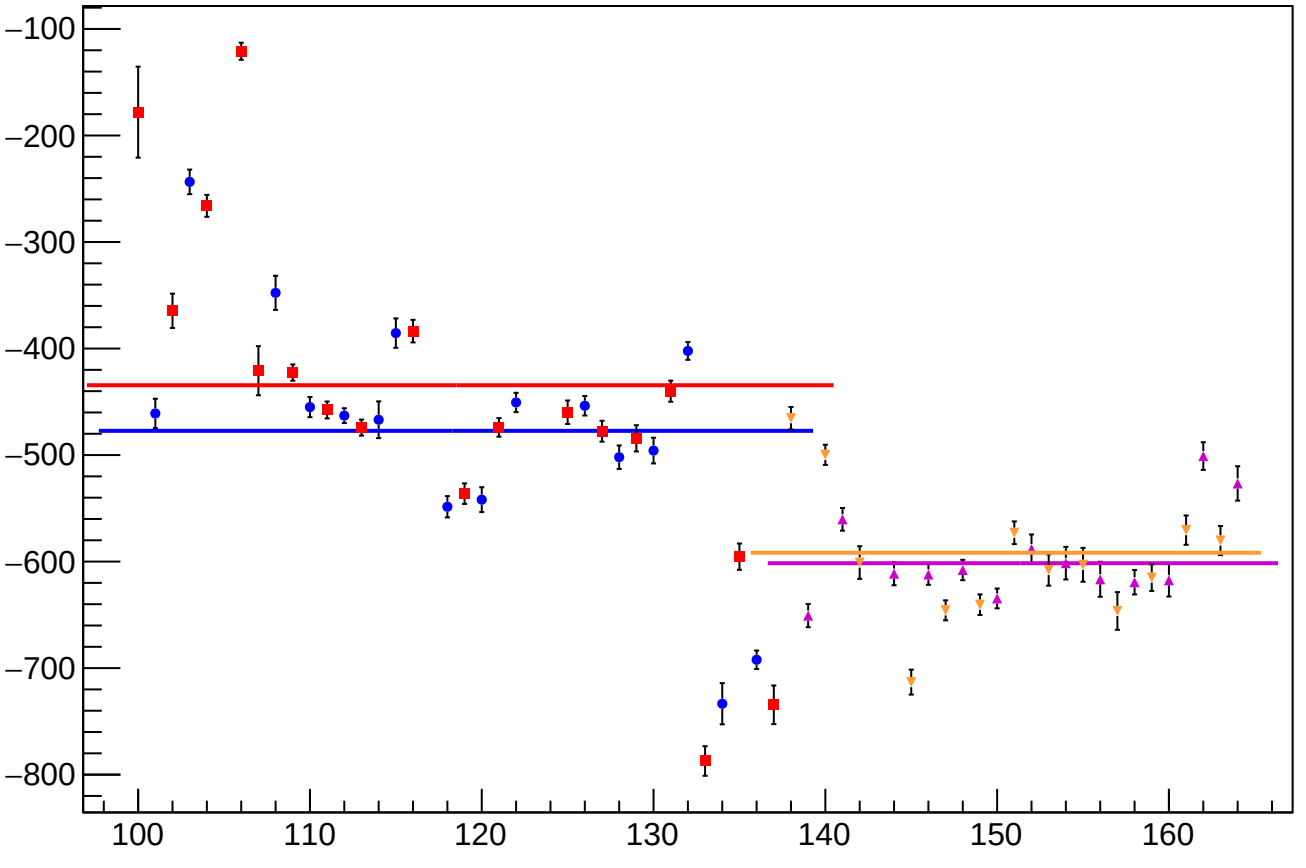
Left: -18.154+/-0.015 χ^2/NDF: 96510.6/25

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

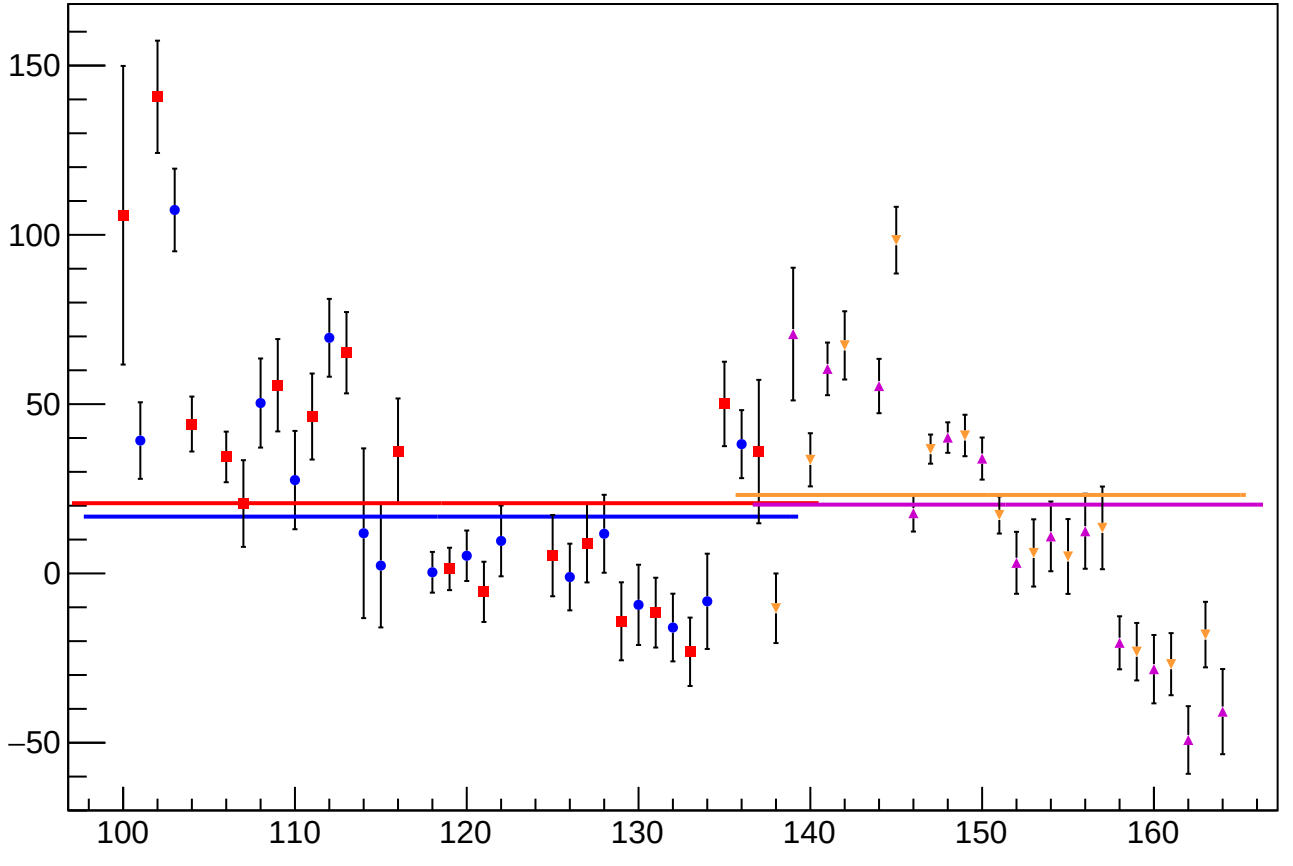
In: -18.792+/-0.019 χ^2/NDF:289694.9/28

Out: -17.773+/-0.019 χ^2/NDF:258847.8/30

All: -18.300+/-0.013 χ^2/NDF: 549980.3/59


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
160
Right In: -477.255+/-2.633 χ²/NDF: 1510.8/15
Left Out: -591.696+/-3.306 χ²/NDF:426.5/12
Right Out: -434.437+/-2.464 χ²/NDF: 3161.9/17
Left In: -601.522+/-3.268 χ²/NDF:137.2/12
Left: -596.667+/-2.324 χ²/NDF: 568.1/25
Right: -454.426+/-1.799 χ²/NDF: 4813.7/33
In: -526.173+/-2.050 χ²/NDF:2524.8/28
Out: -490.590+/-1.976 χ²/NDF:5043.0/30
All: -507.721+/-1.423 χ²/NDF: 7724.0/59

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: 23.178+/-2.127 χ^2/NDF:193.1/12

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 20.320+/-2.153 χ^2/NDF:203.8/12

Left: 21.766+/-1.513 χ^2/NDF: 397.8/25

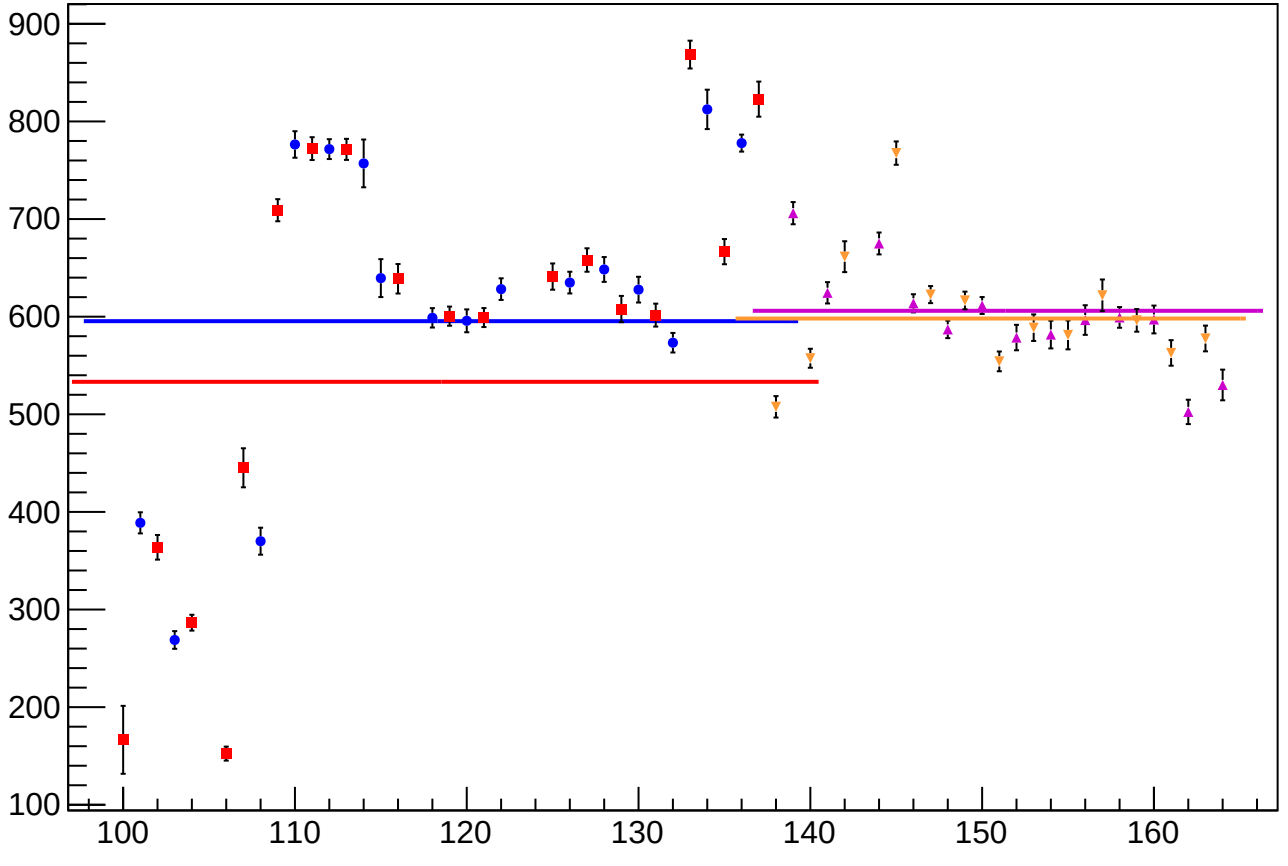
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 18.915+/-1.672 χ^2/NDF:329.9/28

Out: 22.181+/-1.633 χ^2/NDF:351.6/30

All: 20.587+/-1.168 χ^2/NDF: 683.4/59

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: 598.119+/-3.197 χ^2/NDF:346.6/12

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 606.030+/-3.149 χ^2/NDF:224.5/12

Left: 602.134+/-2.243 χ^2/NDF: 574.2/25

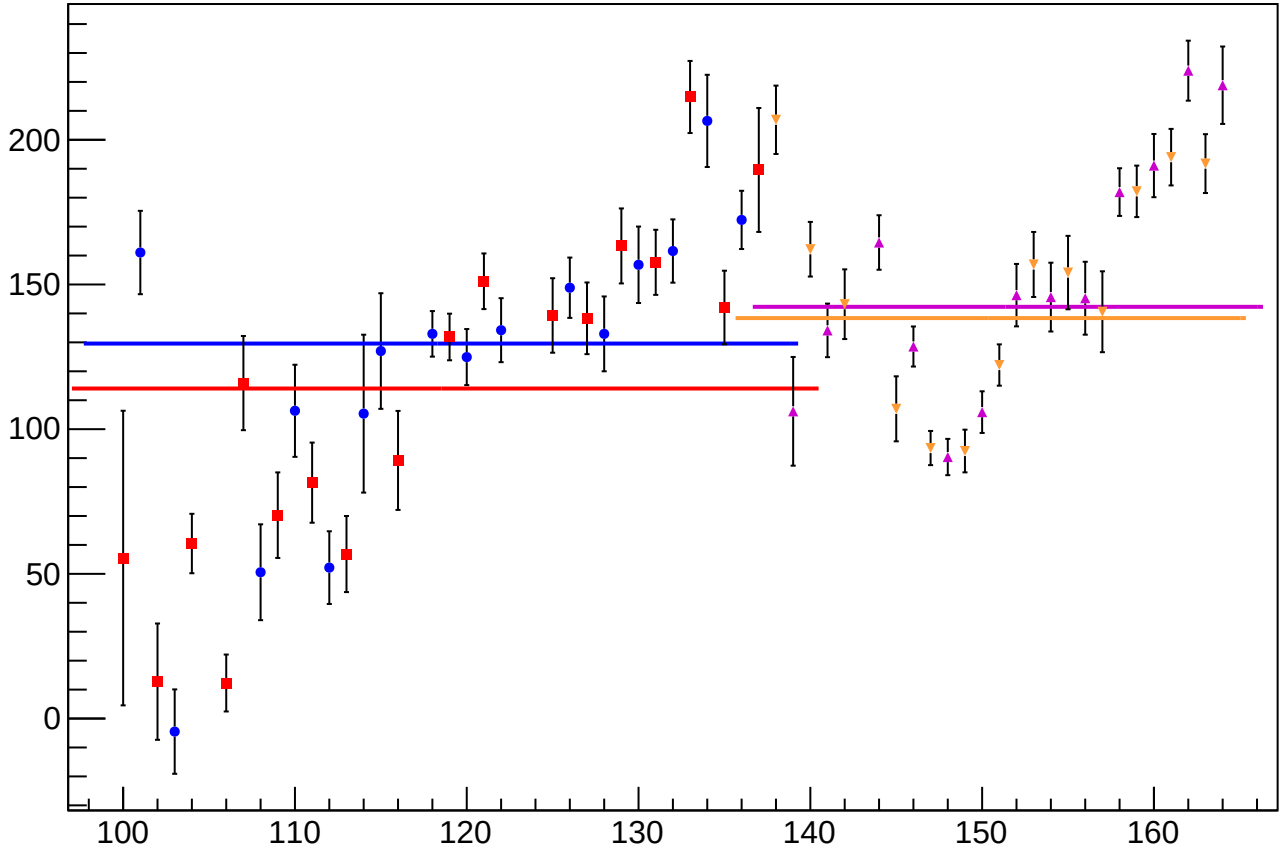
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 600.336+/-2.145 χ^2/NDF:3290.3/28

Out: 560.813+/-2.083 χ^2/NDF:7086.2/30

All: 579.996+/-1.494 χ^2/NDF: 10551.2/59

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: 138.394+/-2.566 χ^2/NDF:238.2/12

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 142.278+/-2.570 χ^2/NDF:246.3/12

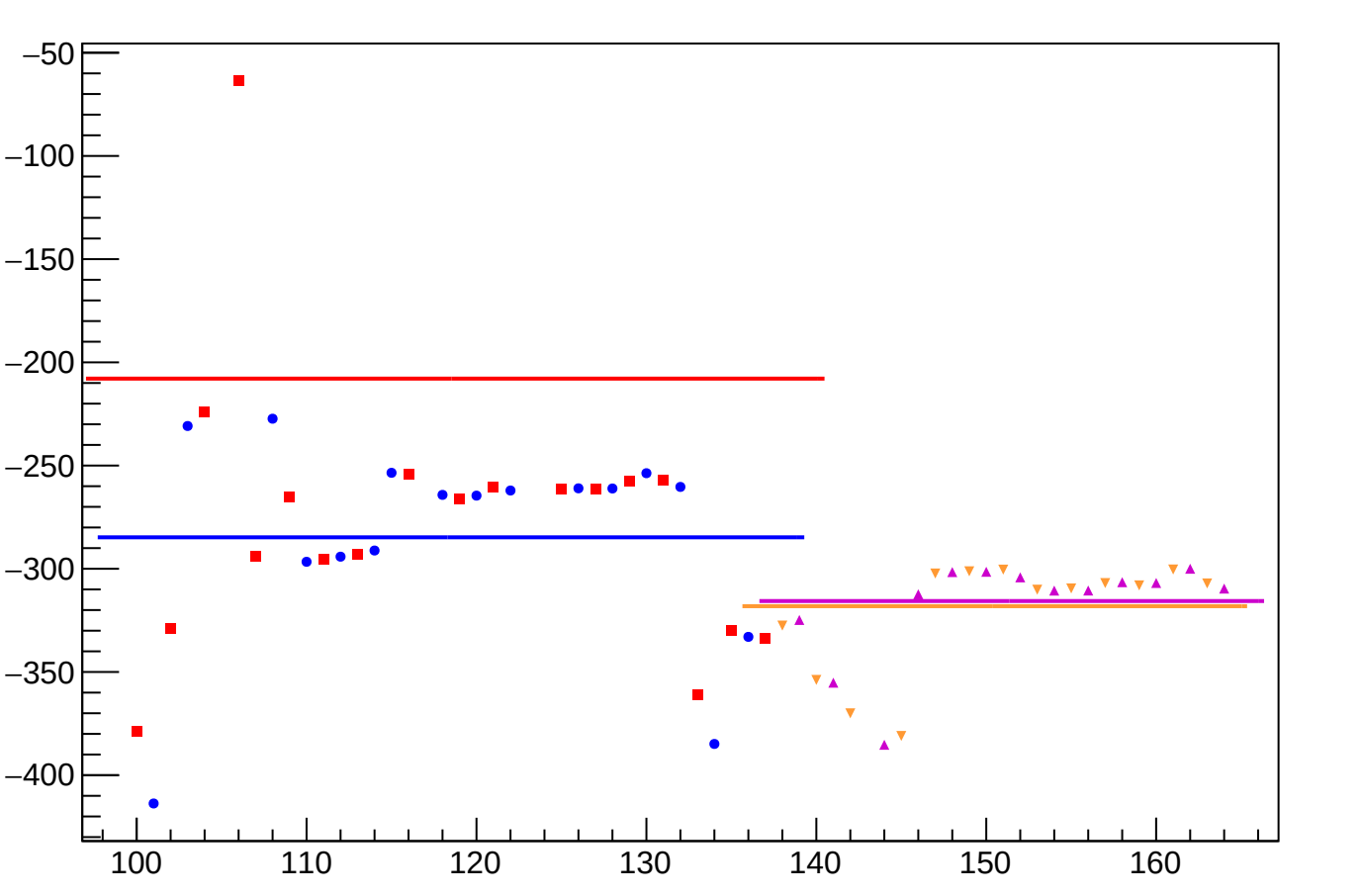
Left: 140.333+/-1.816 χ^2/NDF: 485.6/25

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 137.070+/-1.973 χ^2/NDF:467.5/28

Out: 128.014+/-1.943 χ^2/NDF:612.5/30

All: 132.472+/-1.385 χ^2/NDF: 1090.7/59



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -318.132+/-0.124 χ^2/NDF:40491.7/12

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -315.629+/-0.121 χ^2/NDF:33664.5/12

Left: -316.842+/-0.087 χ^2/NDF: 74364.7/25

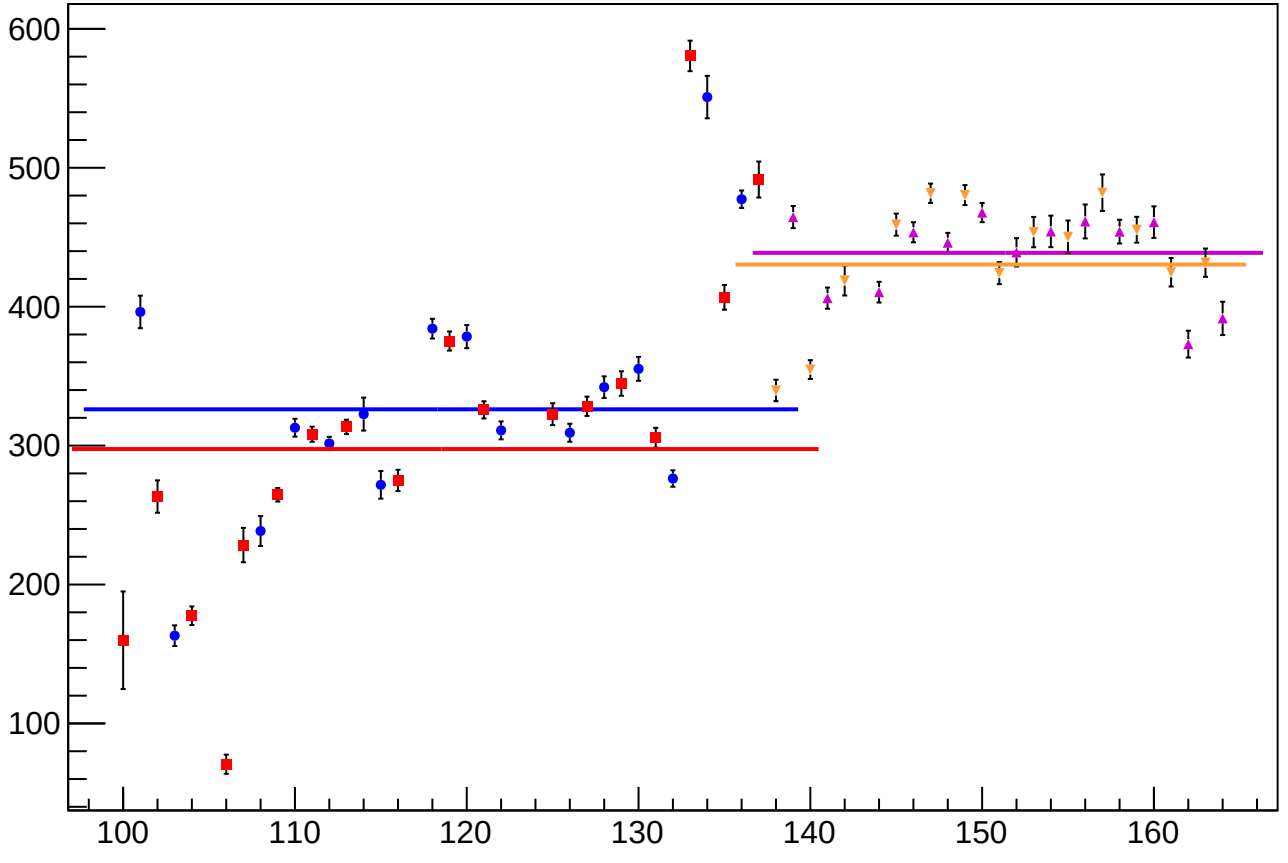
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -305.880+/-0.100 χ^2/NDF:158707.1/28

Out: -272.778+/-0.095 χ^2/NDF:900216.3/30

All: -288.595+/-0.069 χ^2/NDF: 1116376.3/59

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: 430.355+/-2.418 χ^2/NDF:410.3/12

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 438.754+/-2.396 χ^2/NDF:139.9/12

Left: 434.593+/-1.702 χ^2/NDF: 556.3/25

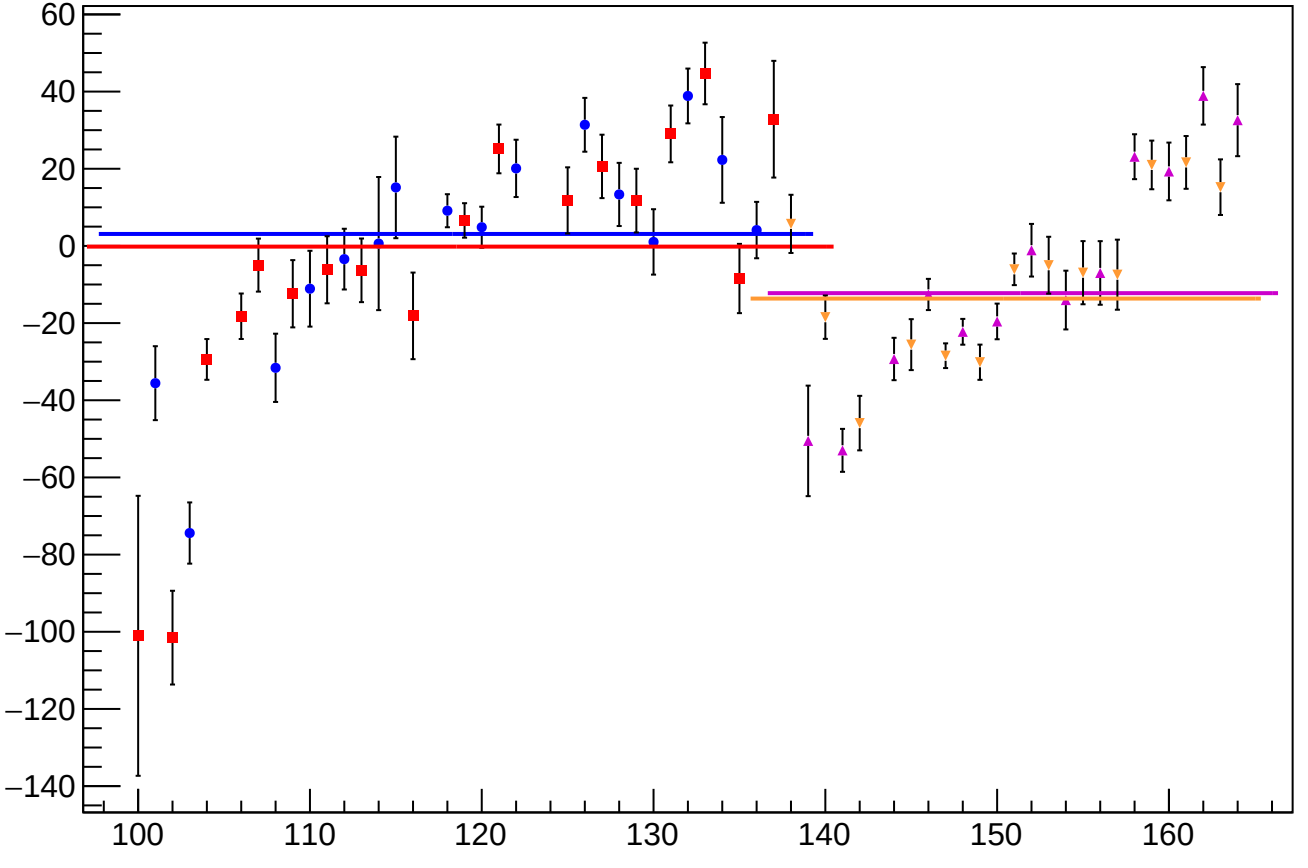
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 368.390+/-1.468 χ^2/NDF:3163.2/28

Out: 342.658+/-1.409 χ^2/NDF:5177.4/30

All: 355.004+/-1.017 χ^2/NDF: 8500.5/59

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: -13.644+/-1.564 χ^2/NDF:144.7/12

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -12.240+/-1.585 χ^2/NDF:209.9/12

Left: -12.951+/-1.113 χ^2/NDF: 355.0/25

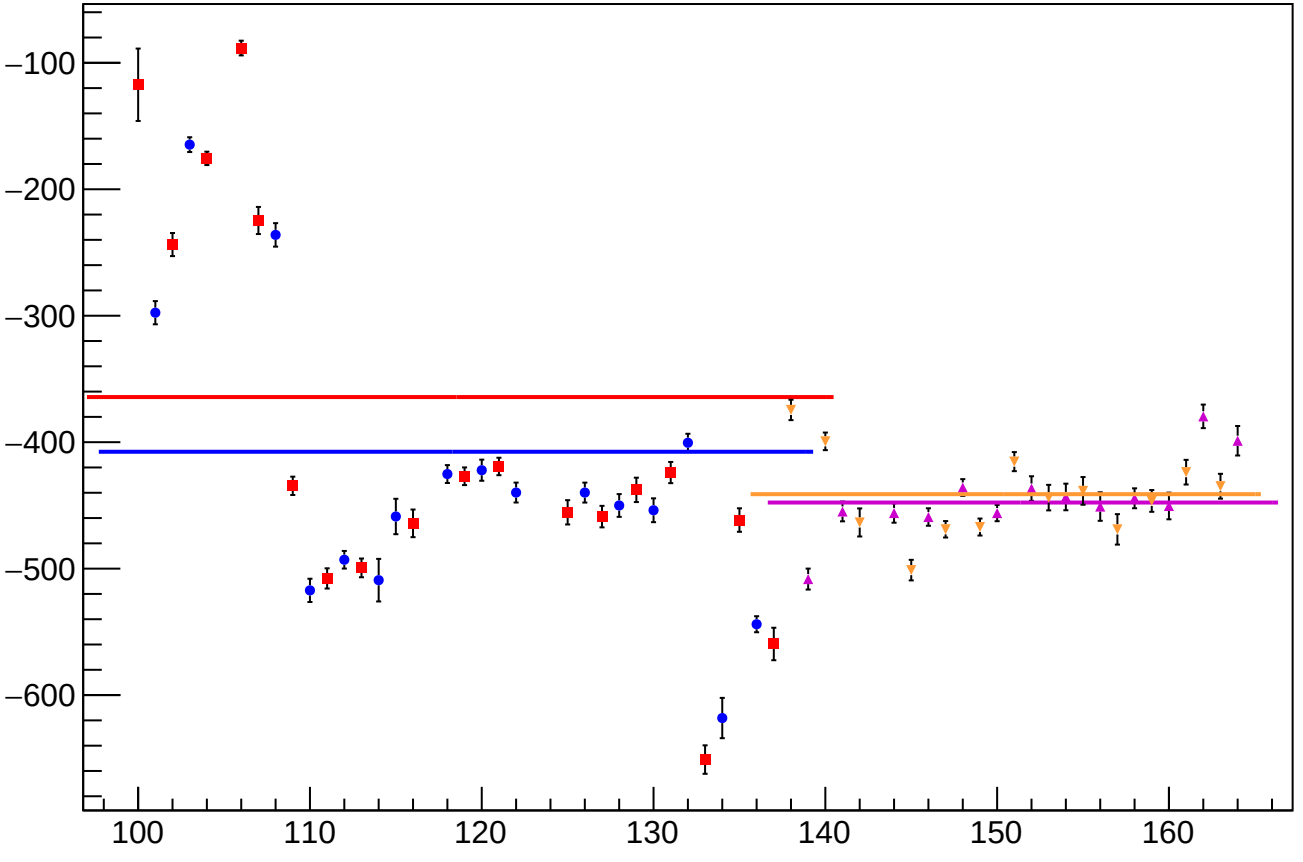
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -5.915+/-1.215 χ^2/NDF:433.0/28

Out: -7.818+/-1.178 χ^2/NDF:382.0/30

All: -6.895+/-0.846 χ^2/NDF: 816.3/59

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: -441.127+/-2.343 χ^2/NDF:217.2/12

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -447.725+/-2.312 χ^2/NDF:135.8/12

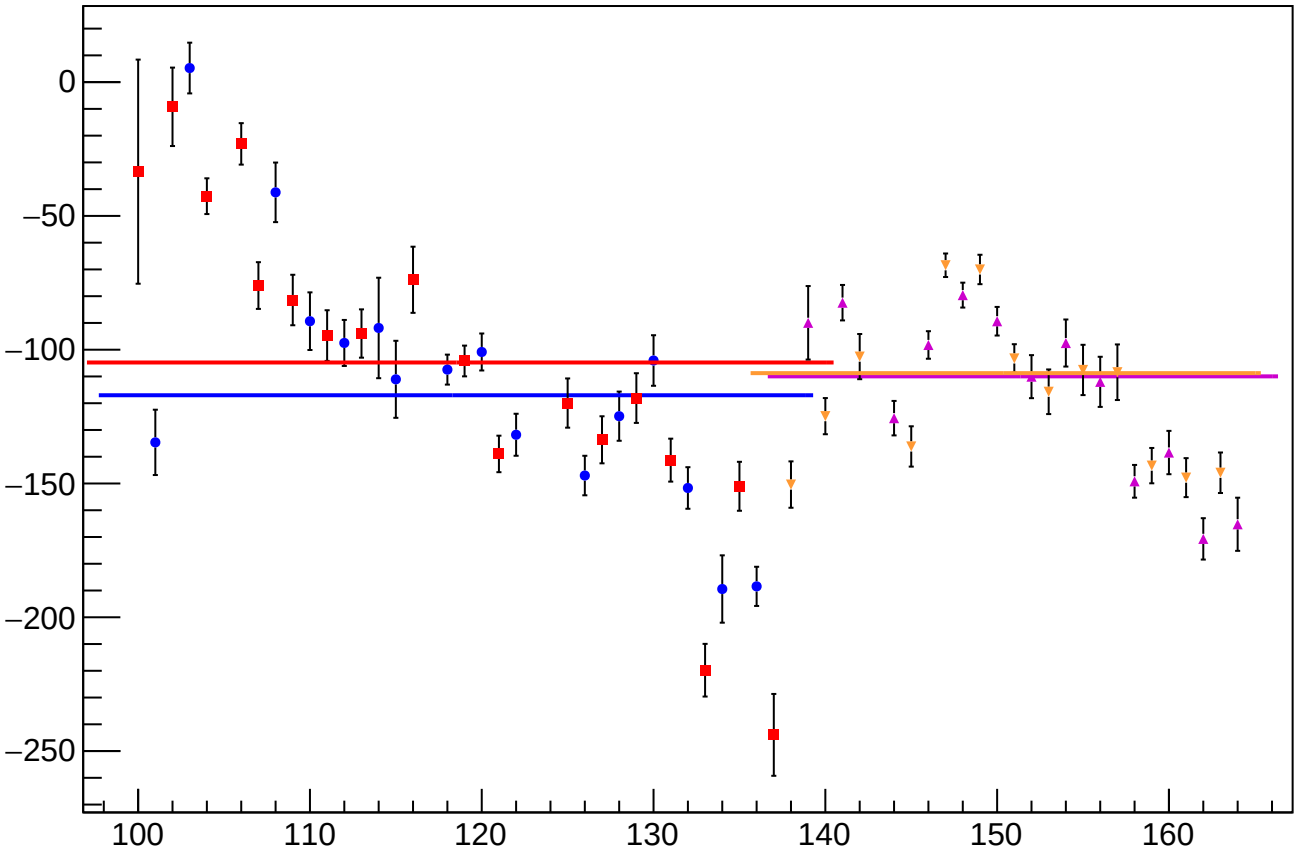
Left: -444.470+/-1.646 χ^2/NDF: 357.0/25

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -425.471+/-1.544 χ^2/NDF:3583.4/28

Out: -395.603+/-1.495 χ^2/NDF:7074.4/30

All: -410.061+/-1.074 χ^2/NDF: 10850.9/59



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -108.759+/-1.886 χ^2/NDF:258.4/12

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -109.963+/-1.891 χ^2/NDF:236.1/12

Left: -109.359+/-1.335 χ^2/NDF: 494.7/25

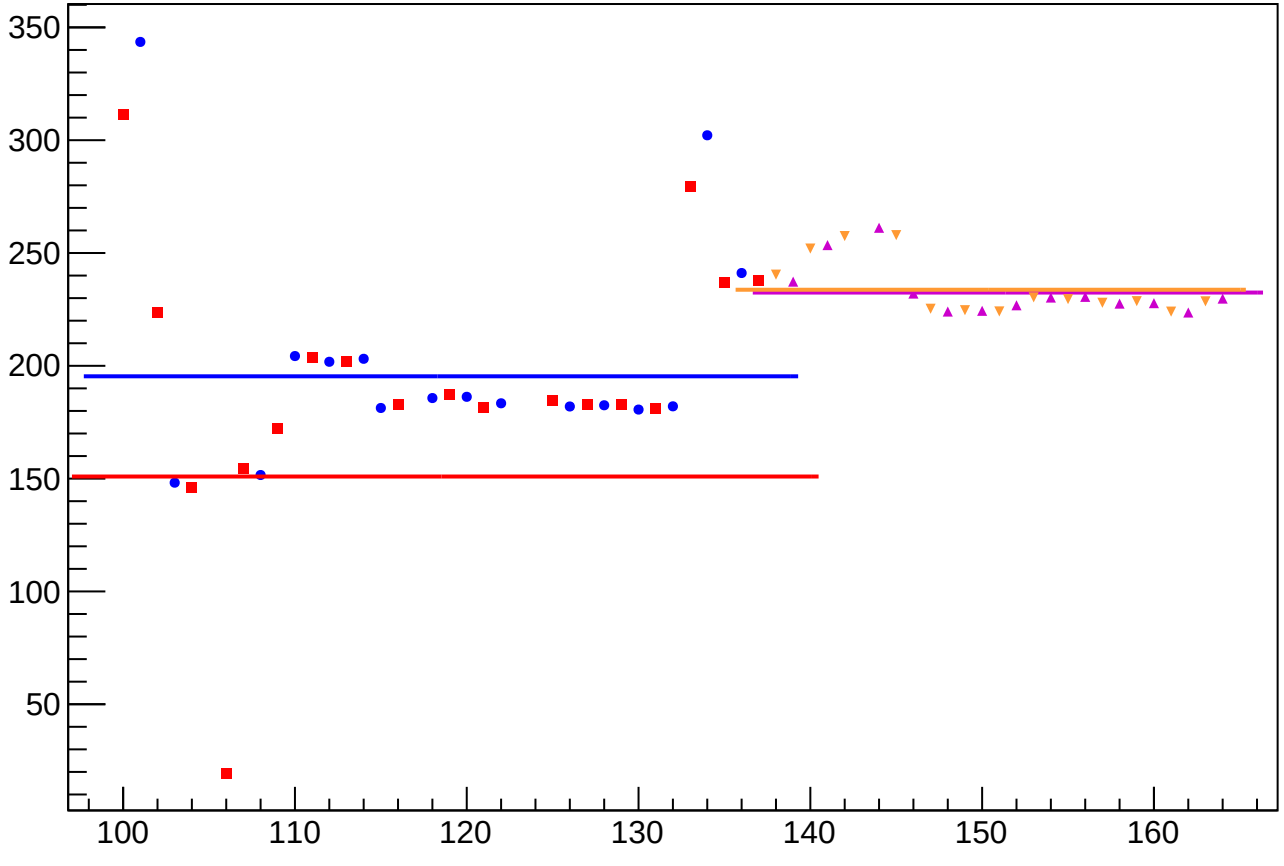
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -112.971+/-1.432 χ^2/NDF:649.9/28

Out: -106.974+/-1.400 χ^2/NDF:835.5/30

All: -109.904+/-1.001 χ^2/NDF: 1494.3/59

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: 233.718+/-0.091 χ^2/NDF:16887.0/12

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 232.471+/-0.089 χ^2/NDF:15012.6/12

Left: 233.077+/-0.064 χ^2/NDF: 31995.4/25

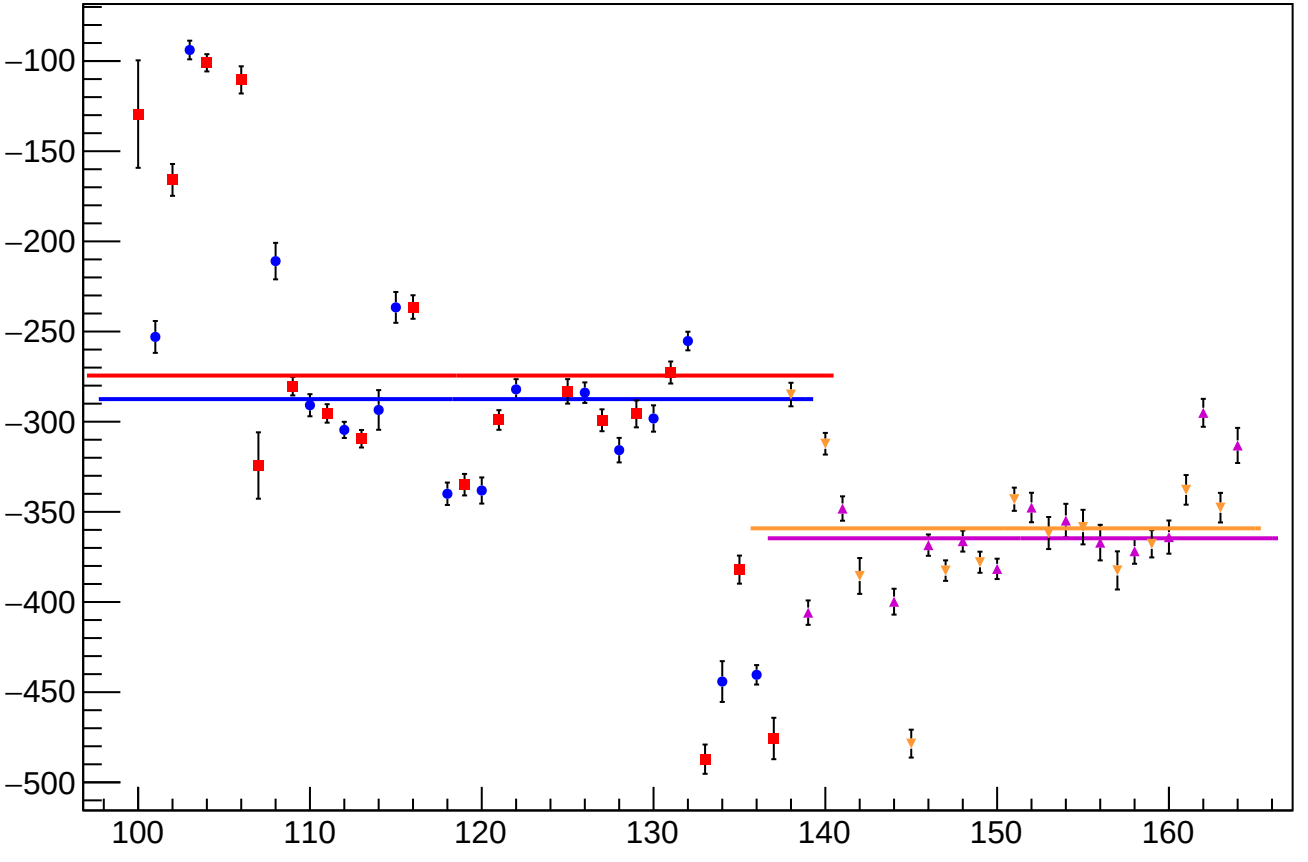
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 219.973+/-0.072 χ^2/NDF:250831.3/28

Out: 199.991+/-0.070 χ^2/NDF:850740.0/30

All: 209.702+/-0.050 χ^2/NDF: 1140818.1/59

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: -359.149+/-2.033 χ^2/NDF:484.2/12

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -364.659+/-2.004 χ^2/NDF:191.9/12

Left: -361.944+/-1.427 χ^2/NDF: 679.9/25

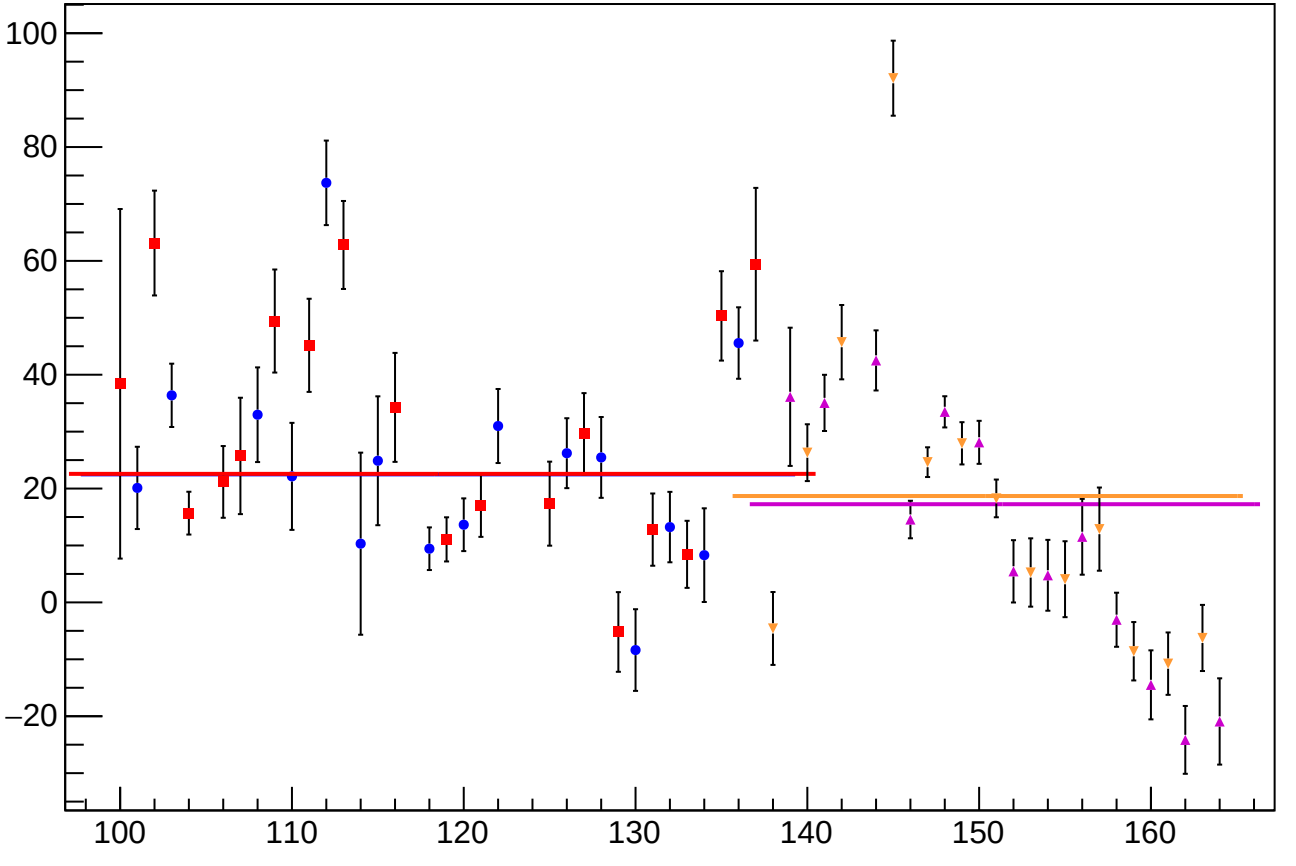
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -317.781+/-1.256 χ^2/NDF:3789.4/28

Out: -305.601+/-1.233 χ^2/NDF:4995.5/30

All: -311.581+/-0.880 χ^2/NDF: 8832.8/59

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: 18.688+/-1.301 χ^2/NDF:254.1/12

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 17.250+/-1.316 χ^2/NDF:211.0/12

Left: 17.977+/-0.925 χ^2/NDF: 465.7/25

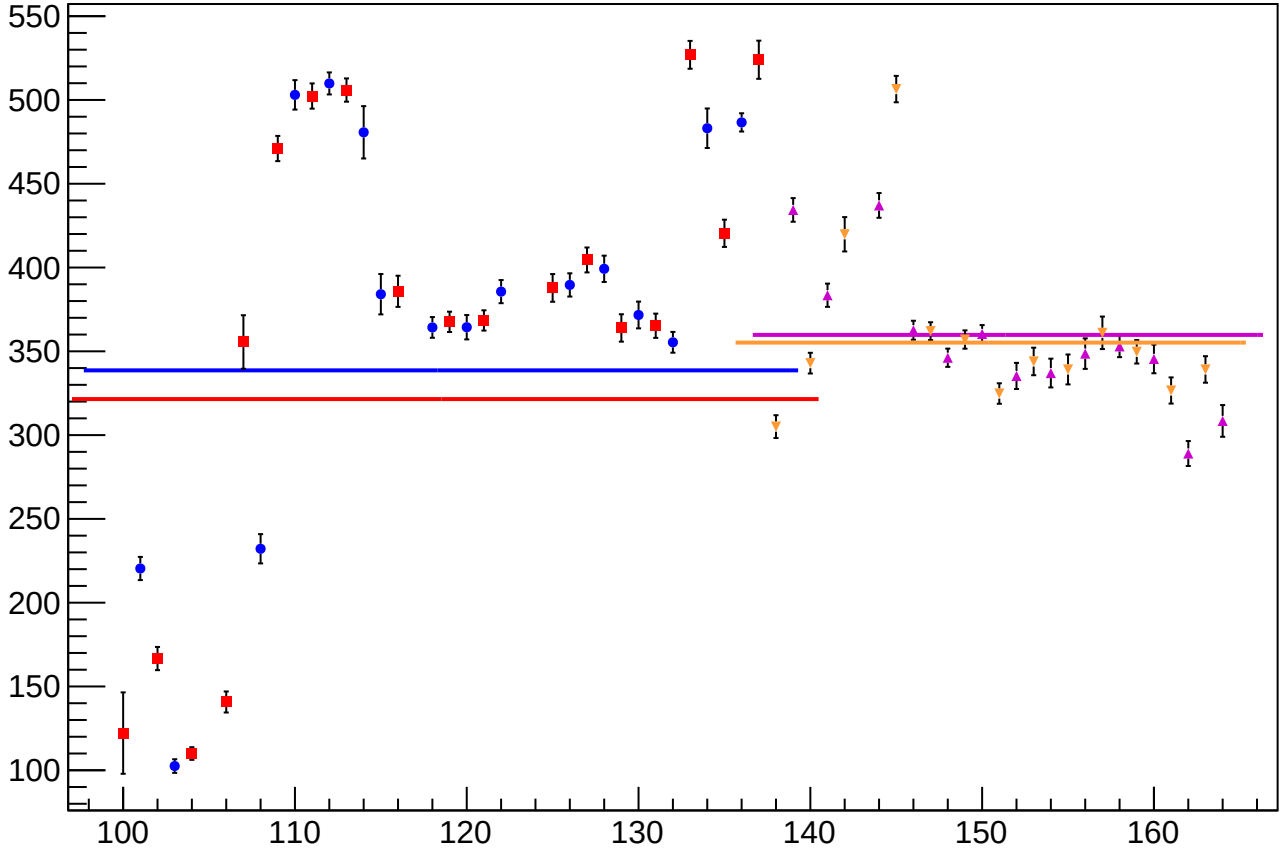
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 19.332+/-1.021 χ^2/NDF:328.7/28

Out: 20.272+/-1.002 χ^2/NDF:381.1/30

All: 19.812+/-0.715 χ^2/NDF: 710.3/59

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: 355.201+/-1.961 χ^2/NDF:516.9/12

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 359.798+/-1.928 χ^2/NDF:381.5/12

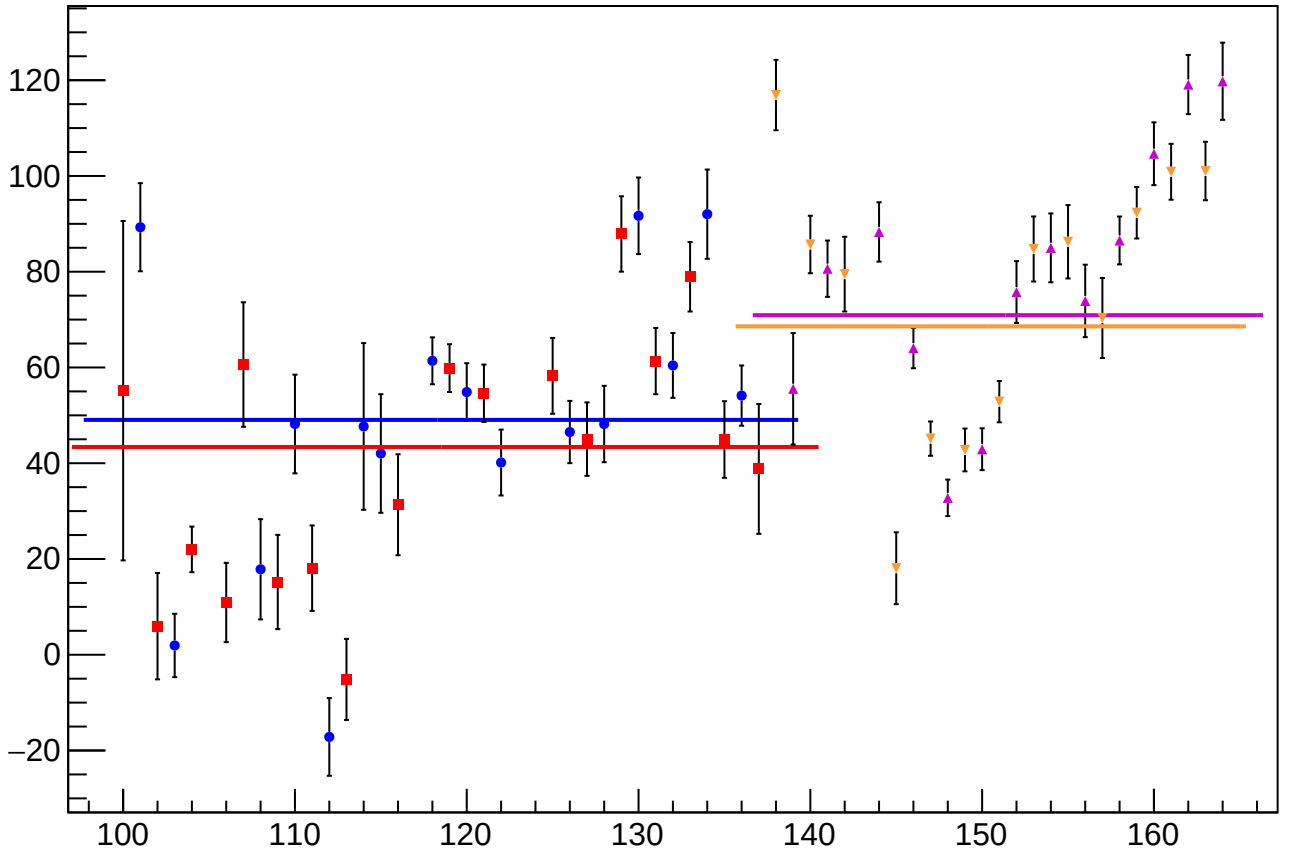
Left: 357.539+/-1.375 χ^2/NDF: 901.2/25

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 348.185+/-1.295 χ^2/NDF:6490.3/28

Out: 335.903+/-1.282 χ^2/NDF:8406.9/30

All: 341.983+/-0.911 χ^2/NDF: 14942.6/59



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 68.596+/-1.569 χ^2/NDF:277.4/12

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 70.928+/-1.570 χ^2/NDF:294.2/12

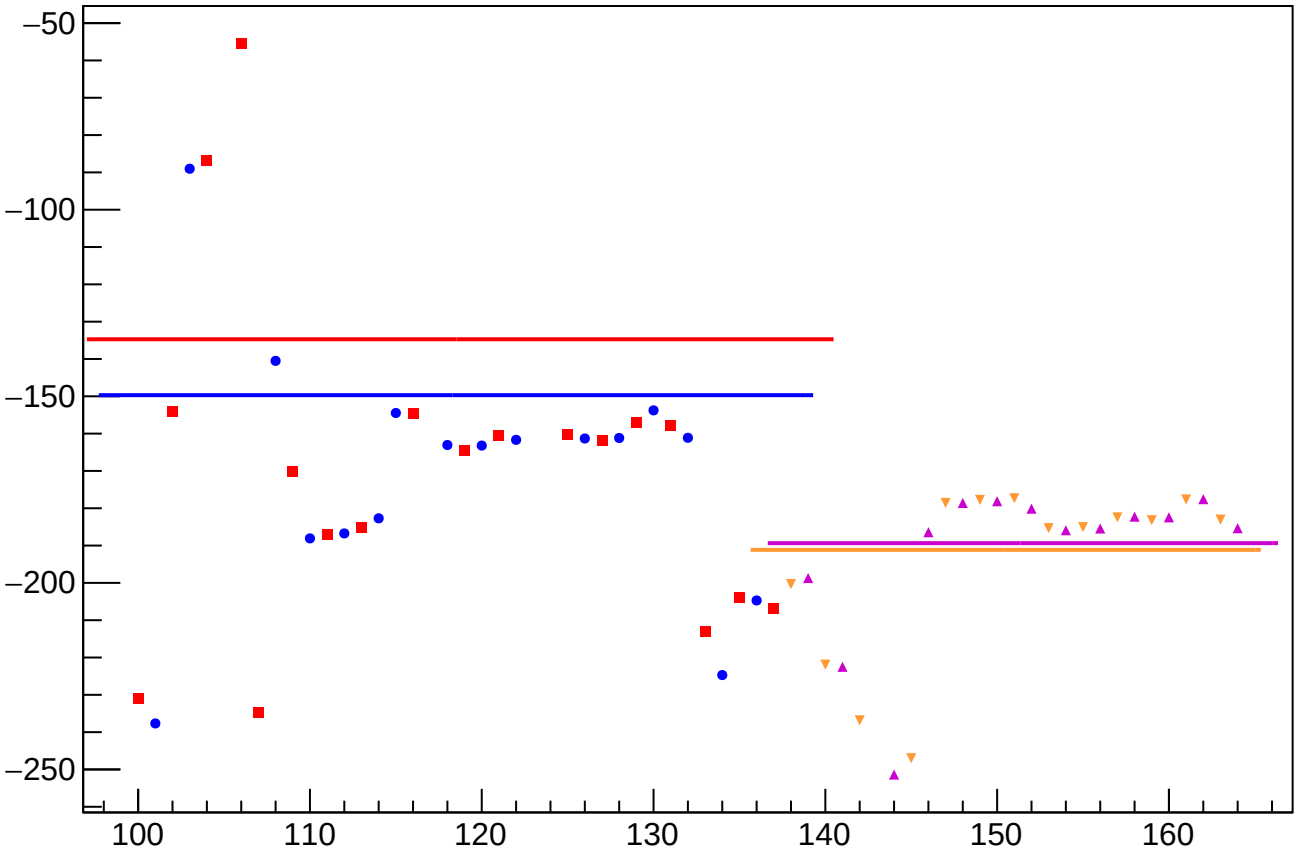
Left: 69.761+/-1.110 χ^2/NDF: 572.7/25

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 61.953+/-1.206 χ^2/NDF:581.8/28

Out: 57.941+/-1.192 χ^2/NDF:566.5/30

All: 59.924+/-0.848 χ^2/NDF: 1153.8/59



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -191.149+/-0.076 χ^2/NDF:72799.4/12

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -189.347+/-0.074 χ^2/NDF:60137.6/12

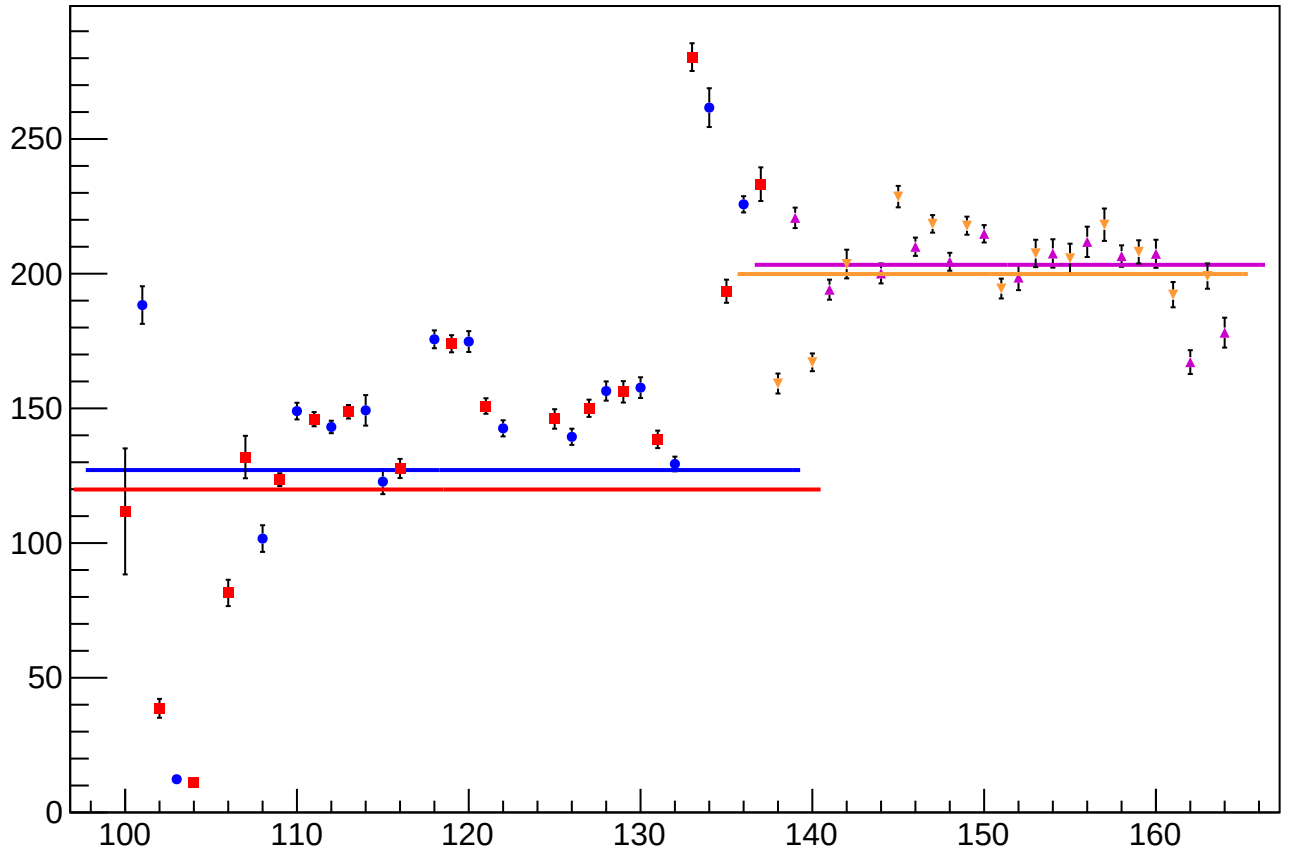
Left: -190.218+/-0.053 χ^2/NDF: 133226.4/25

Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -175.548+/-0.059 χ^2/NDF:417439.0/28

Out: -169.642+/-0.060 χ^2/NDF:594948.6/30

All: -172.615+/-0.042 χ^2/NDF: 1017283.3/59



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 199.866+/-1.144 χ^2/NDF:353.7/12

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 203.284+/-1.129 χ^2/NDF:137.1/12

Left: 201.597+/-0.804 χ^2/NDF: 495.3/25

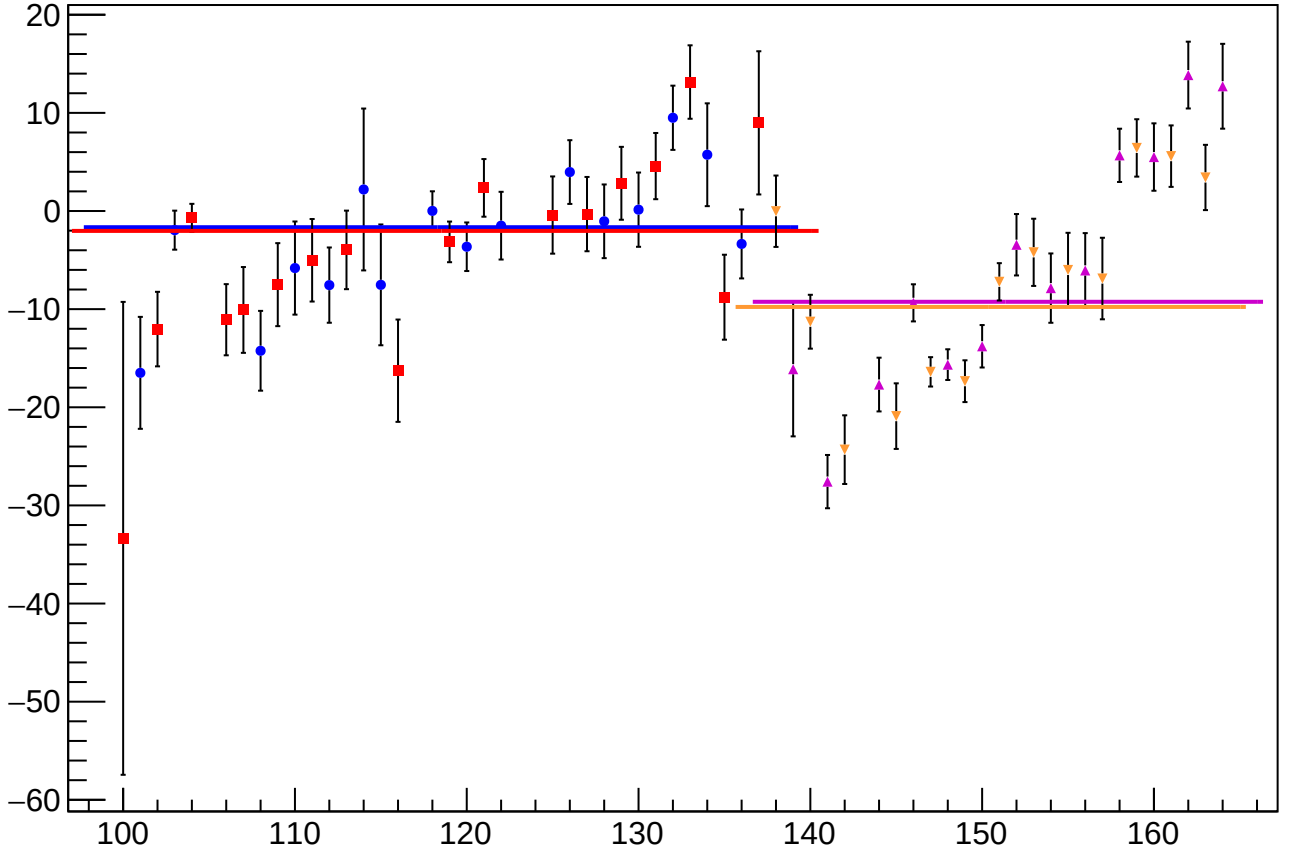
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 153.010+/-0.659 χ^2/NDF:9302.8/28

Out: 145.012+/-0.641 χ^2/NDF:10355.9/30

All: 148.903+/-0.459 χ^2/NDF: 19734.4/59

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: -9.776+/-0.736 χ^2/NDF:144.4/12

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -9.251+/-0.745 χ^2/NDF:202.1/12

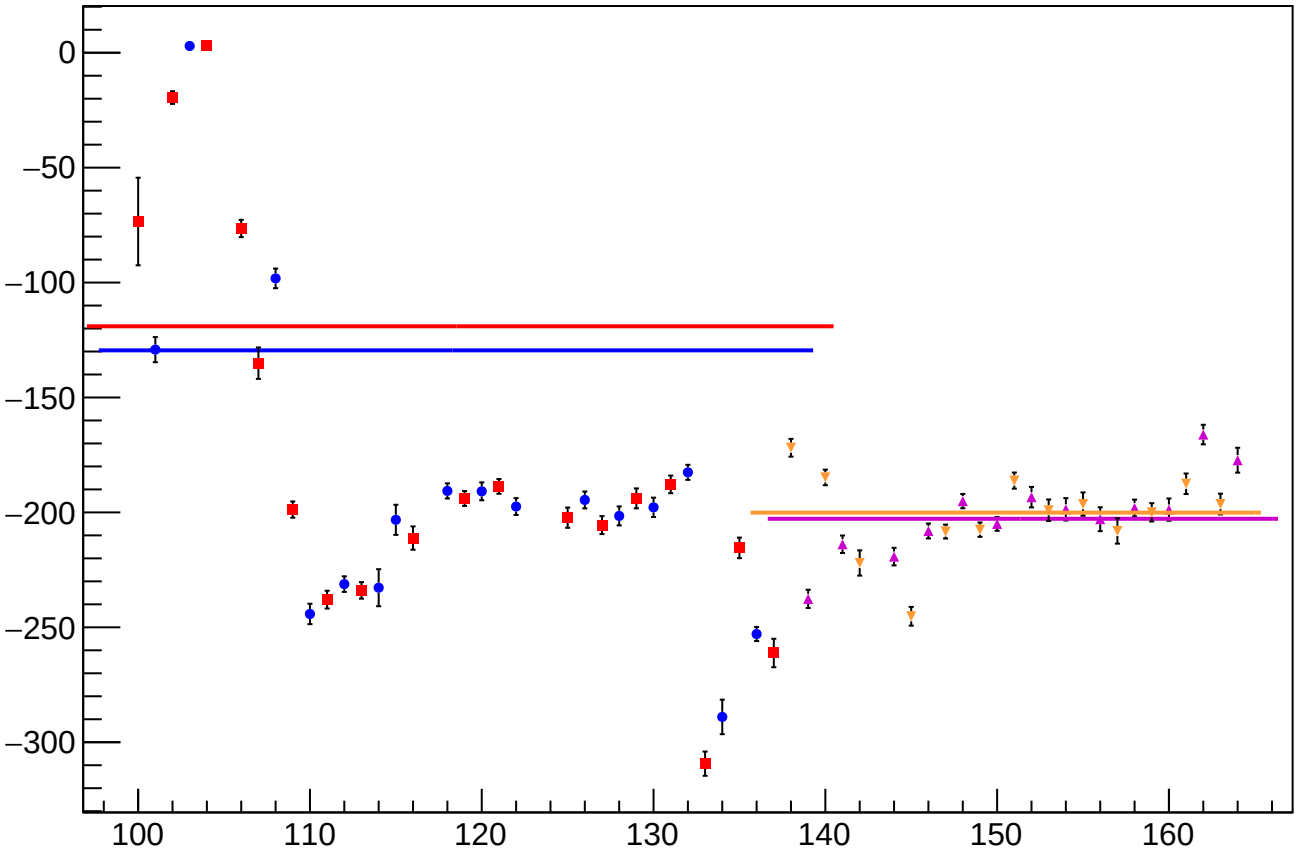
Left: -9.516+/-0.523 χ^2/NDF: 346.7/25

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -5.874+/-0.555 χ^2/NDF:287.4/28

Out: -6.076+/-0.532 χ^2/NDF:255.9/30

All: -5.980+/-0.384 χ^2/NDF: 543.4/59



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -200.088+/-1.106 χ^2/NDF:252.1/12

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -202.779+/-1.088 χ^2/NDF:217.5/12

Left: -201.455+/-0.776 χ^2/NDF: 472.6/25

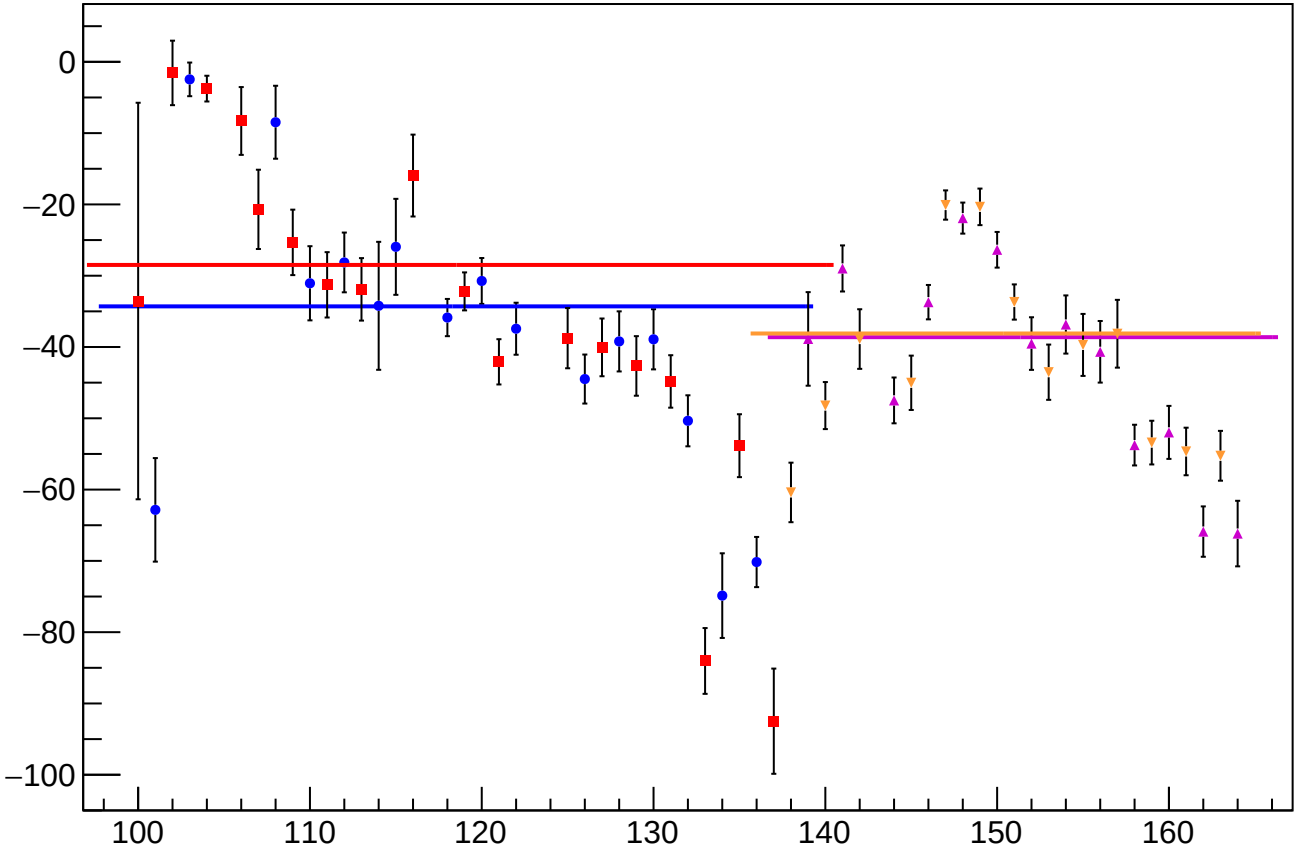
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -157.120+/-0.668 χ^2/NDF:17731.1/28

Out: -147.457+/-0.655 χ^2/NDF:19918.7/30

All: -152.193+/-0.468 χ^2/NDF: 37756.4/59

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -38.105+/-0.887 χ^2/NDF:245.2/12

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -38.621+/-0.888 χ^2/NDF:240.5/12

Left: -38.363+/-0.628 χ^2/NDF: 485.8/25

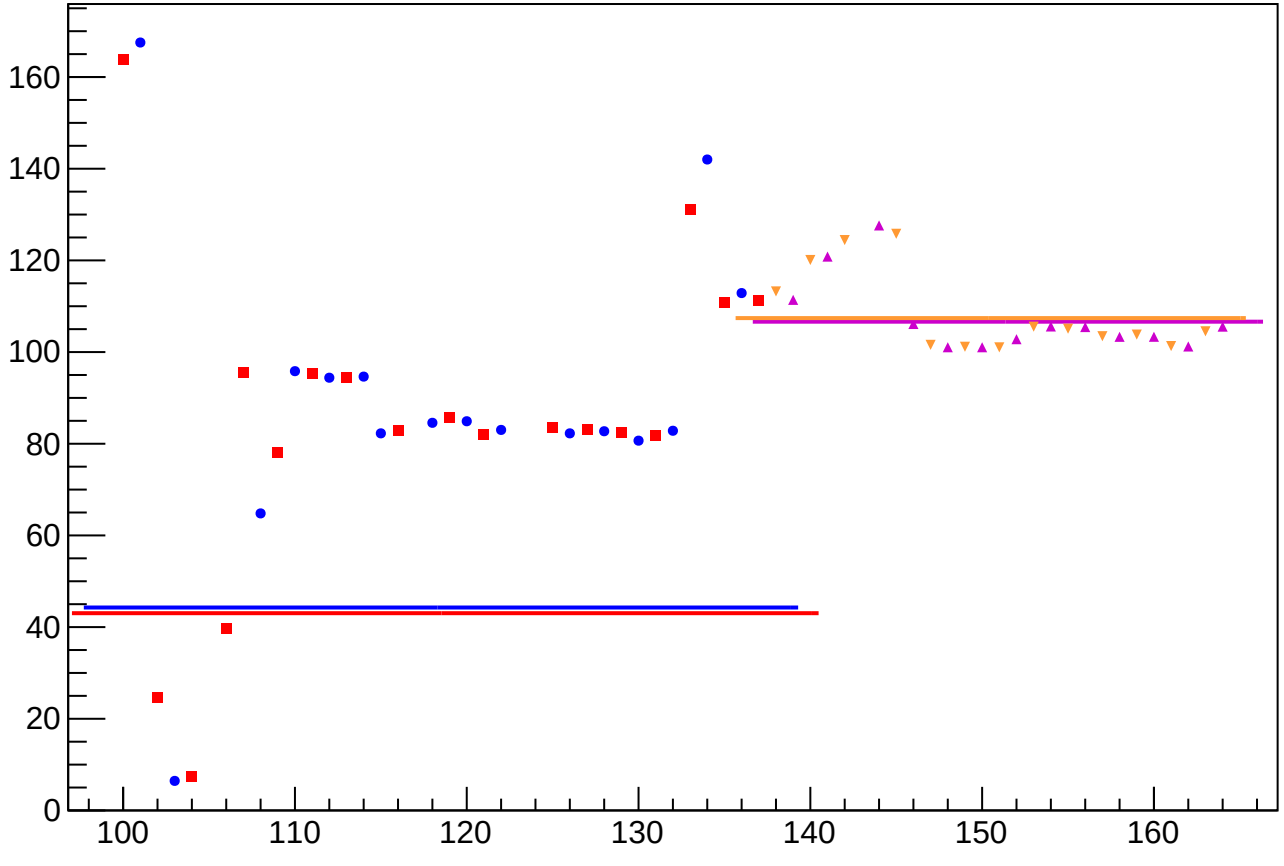
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -36.646+/-0.654 χ^2/NDF:662.6/28

Out: -33.402+/-0.634 χ^2/NDF:870.6/30

All: -34.973+/-0.455 χ^2/NDF: 1545.9/59

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 107.411+/-0.043 χ^2/NDF:36615.2/12

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 106.628+/-0.042 χ^2/NDF:31354.3/12

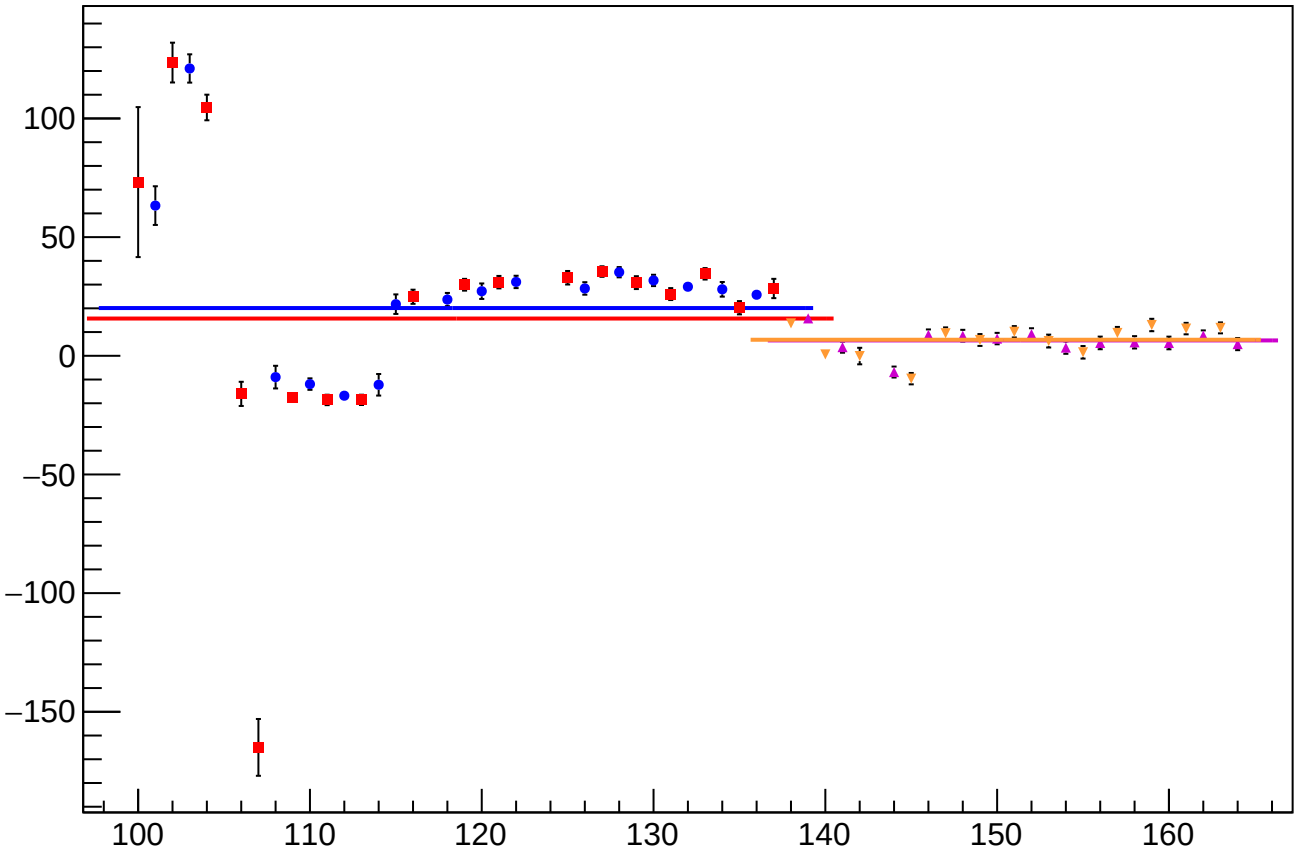
Left: 107.007+/-0.030 χ^2/NDF: 68140.7/25

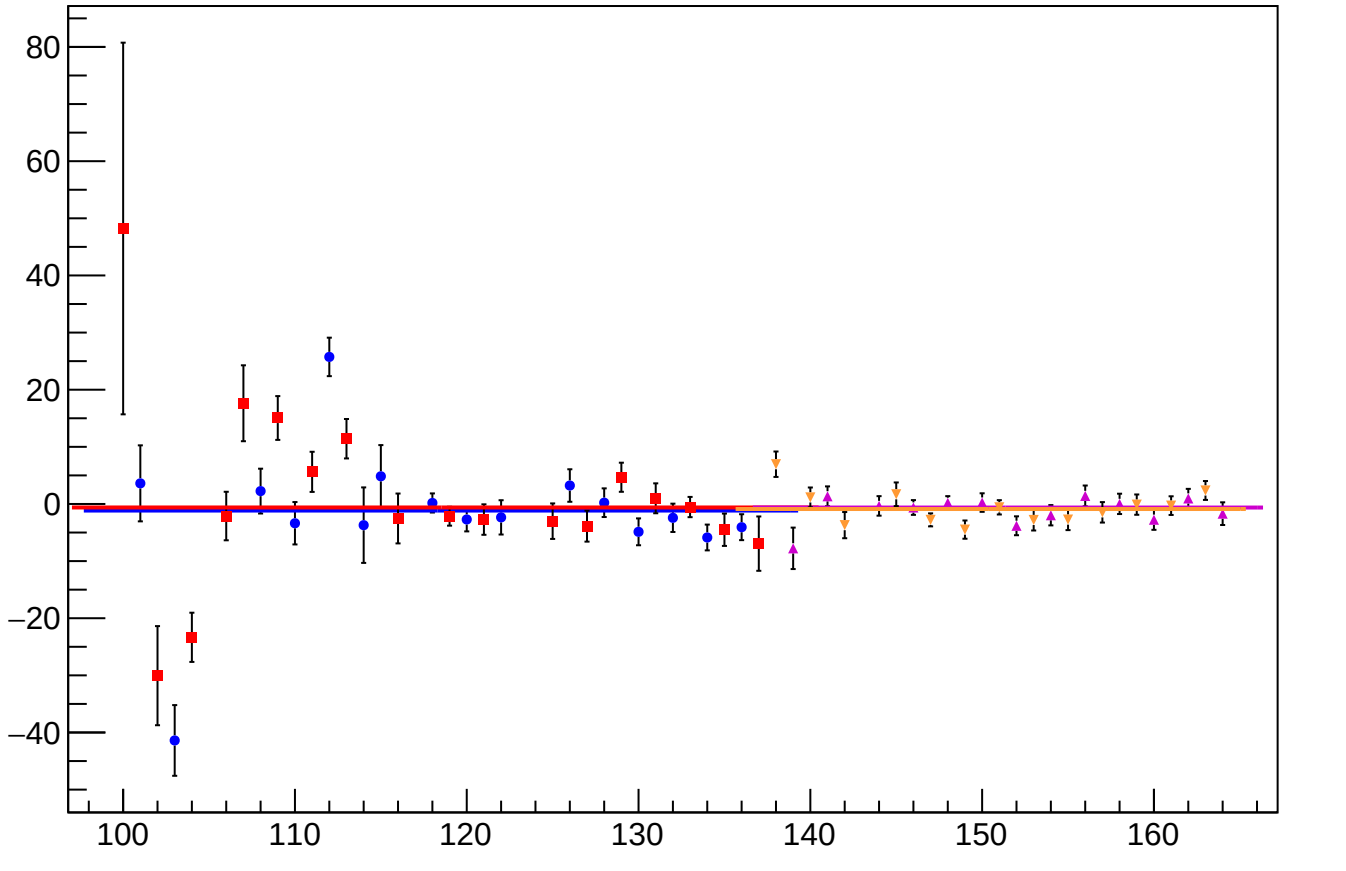
Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 77.805+/-0.031 χ^2/NDF:2151618.9/28

Out: 76.735+/-0.031 χ^2/NDF:1911373.8/30

All: 77.279+/-0.022 χ^2/NDF: 4063595.4/59


reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
Right In: 20.117+/-0.687 χ²/NDF: 1048.1/15
Left Out: 6.761+/-0.681 χ²/NDF:93.0/12
Right Out: 15.700+/-0.682 χ²/NDF: 1773.8/17
Left In: 6.476+/-0.667 χ²/NDF:62.2/12
Left: 6.615+/-0.476 χ²/NDF: 155.3/25
Right: 17.893+/-0.484 χ²/NDF: 2842.7/33
In: 13.091+/-0.478 χ²/NDF:1313.4/28
Out: 11.225+/-0.482 χ²/NDF:1952.9/30
All: 12.165+/-0.340 χ²/NDF: 3273.8/59



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.884+/-0.461 χ^2/NDF:31.2/12

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.625+/-0.461 χ^2/NDF:14.3/12

Left: -0.755+/-0.326 χ^2/NDF: 45.6/25

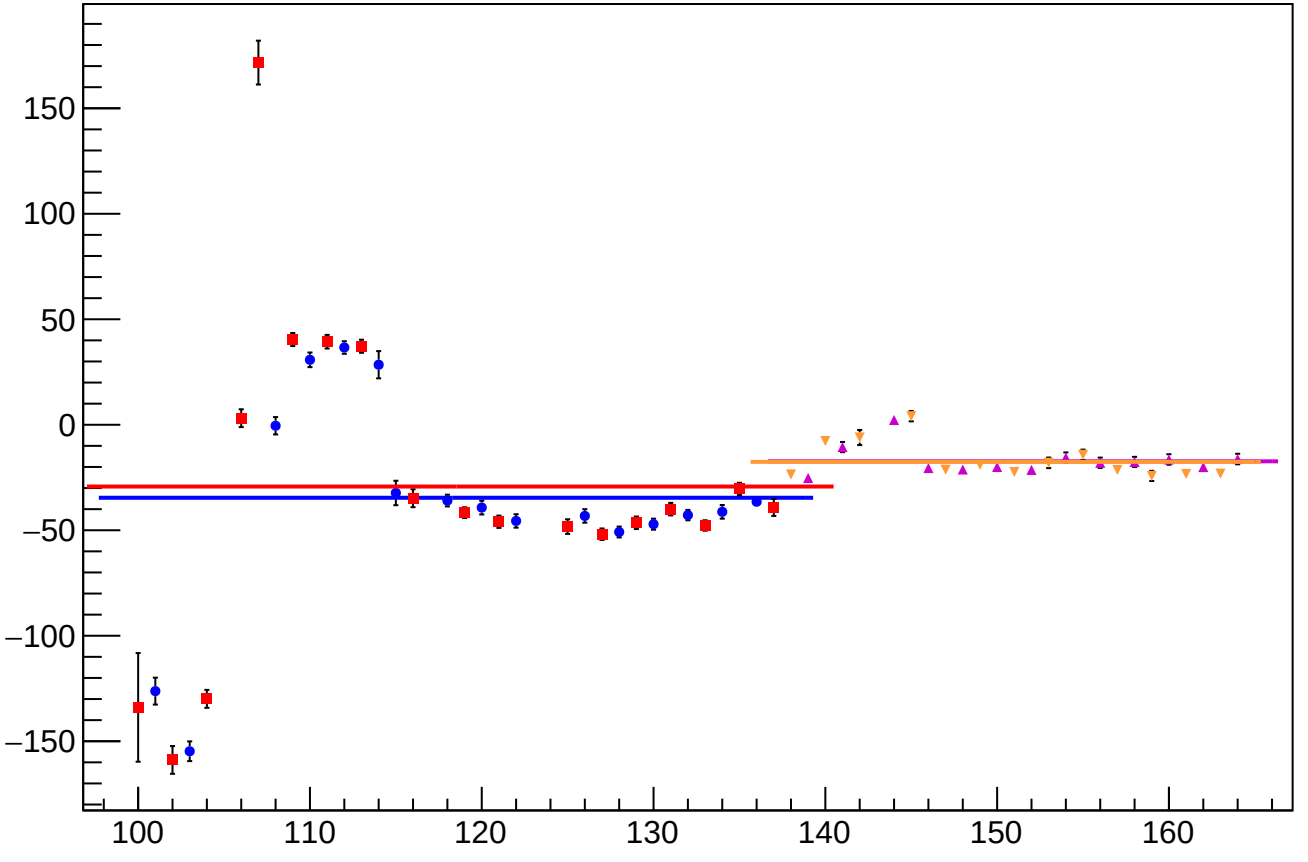
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.785+/-0.385 χ^2/NDF:136.6/28

Out: -0.804+/-0.387 χ^2/NDF:124.6/30

All: -0.795+/-0.273 χ^2/NDF: 261.2/59

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: -17.581+/-0.659 χ^2/NDF:150.0/12

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.326+/-0.644 χ^2/NDF:102.0/12

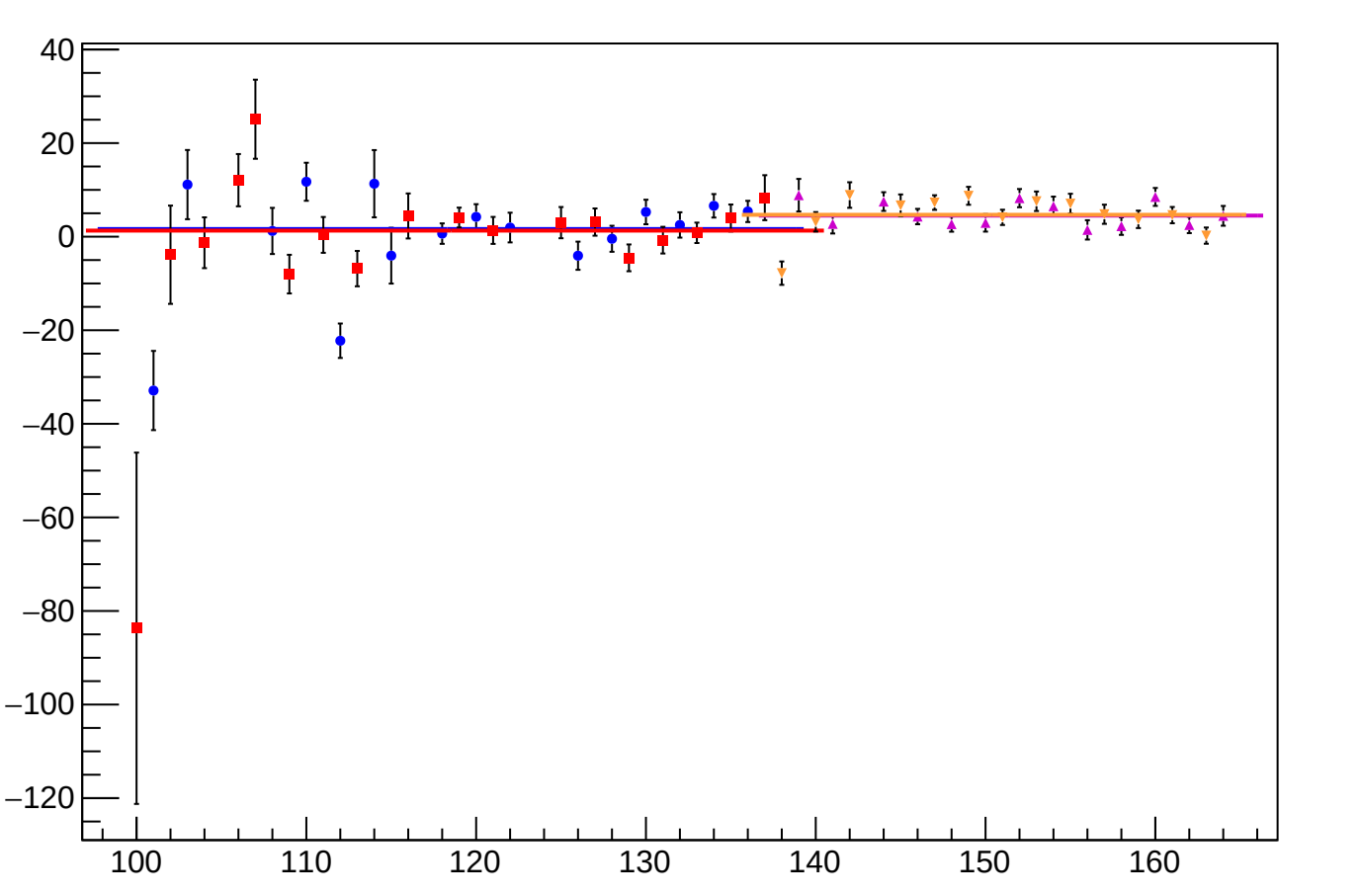
Left: -17.450+/-0.460 χ^2/NDF: 252.1/25

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.255+/-0.498 χ^2/NDF:2449.5/28

Out: -22.307+/-0.508 χ^2/NDF:3358.5/30

All: -23.301+/-0.356 χ^2/NDF: 5815.5/59



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.674+/-0.541 χ^2/NDF:46.1/12

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.504+/-0.538 χ^2/NDF:20.5/12

Left: 4.588+/-0.381 χ^2/NDF: 66.6/25

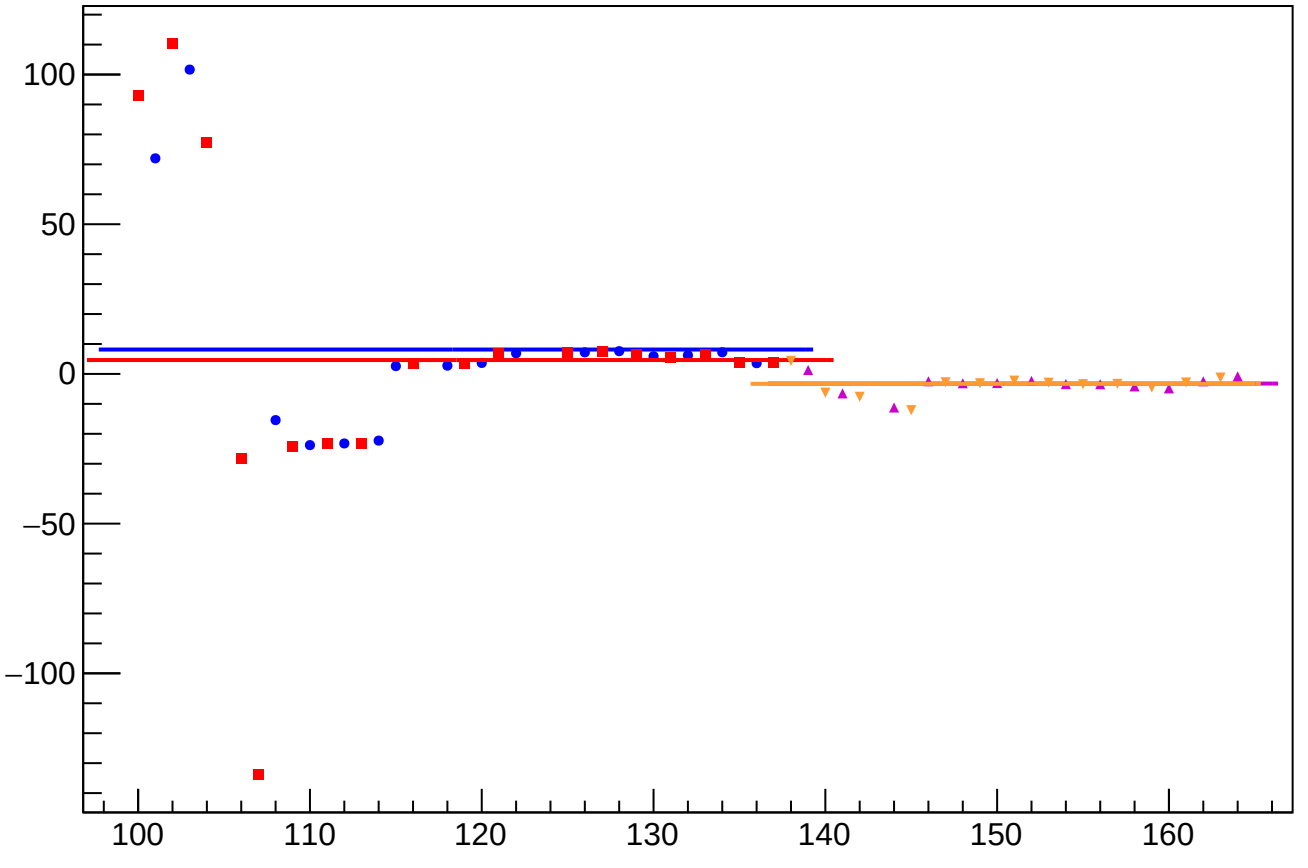
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.605+/-0.446 χ^2/NDF:112.7/28

Out: 3.643+/-0.451 χ^2/NDF:95.5/30

All: 3.624+/-0.317 χ^2/NDF: 208.2/59

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: -3.303+/-0.025 χ^2/NDF:19318.9/12

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.219+/-0.024 χ^2/NDF:11854.5/12

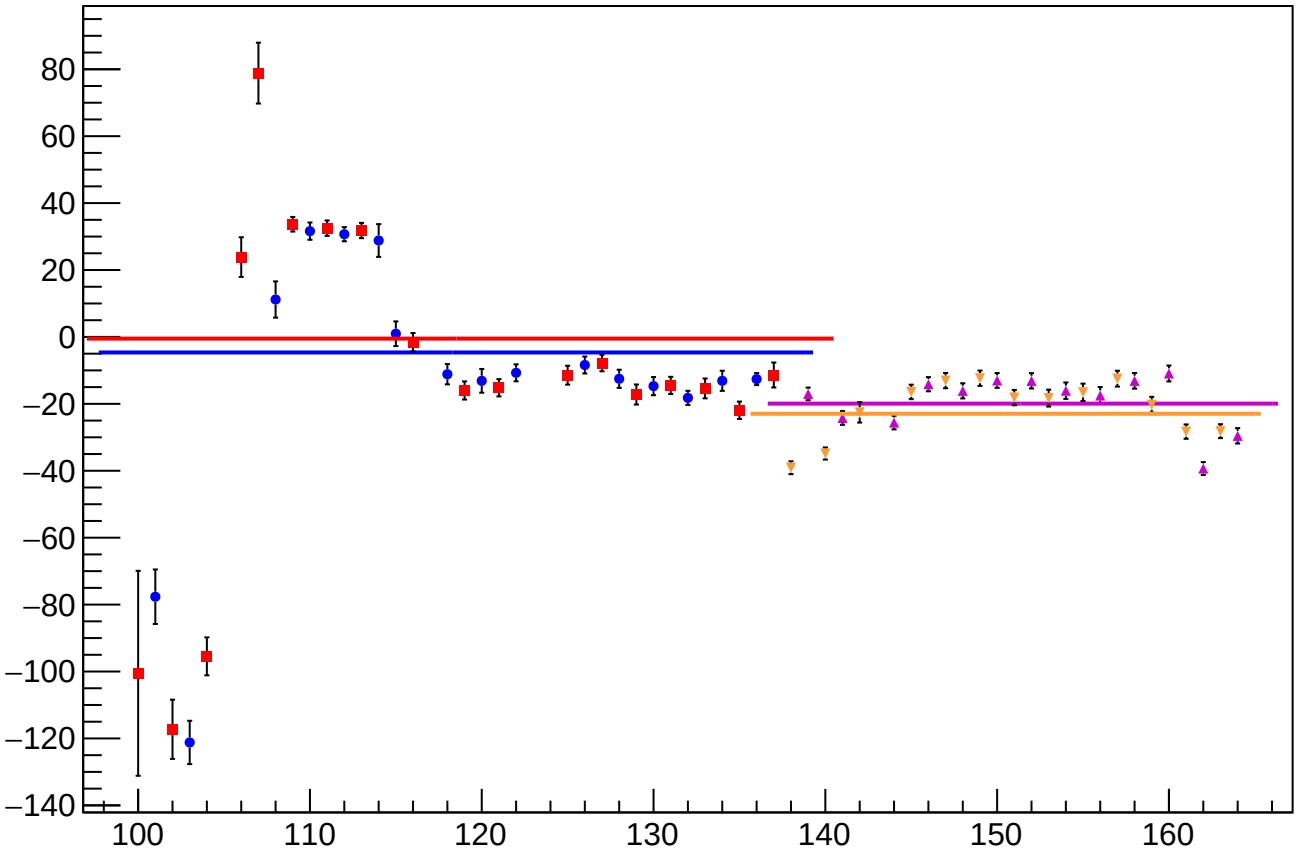
Left: -3.259+/-0.017 χ^2/NDF: 31179.4/25

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.960+/-0.022 χ^2/NDF:369432.4/28

Out: -1.824+/-0.022 χ^2/NDF:485331.2/30

All: -1.377+/-0.016 χ^2/NDF: 855538.4/59



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -22.957+/-0.622 χ^2/NDF:209.8/12

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -19.928+/-0.608 χ^2/NDF:188.1/12

Left: -21.407+/-0.435 χ^2/NDF: 410.0/25

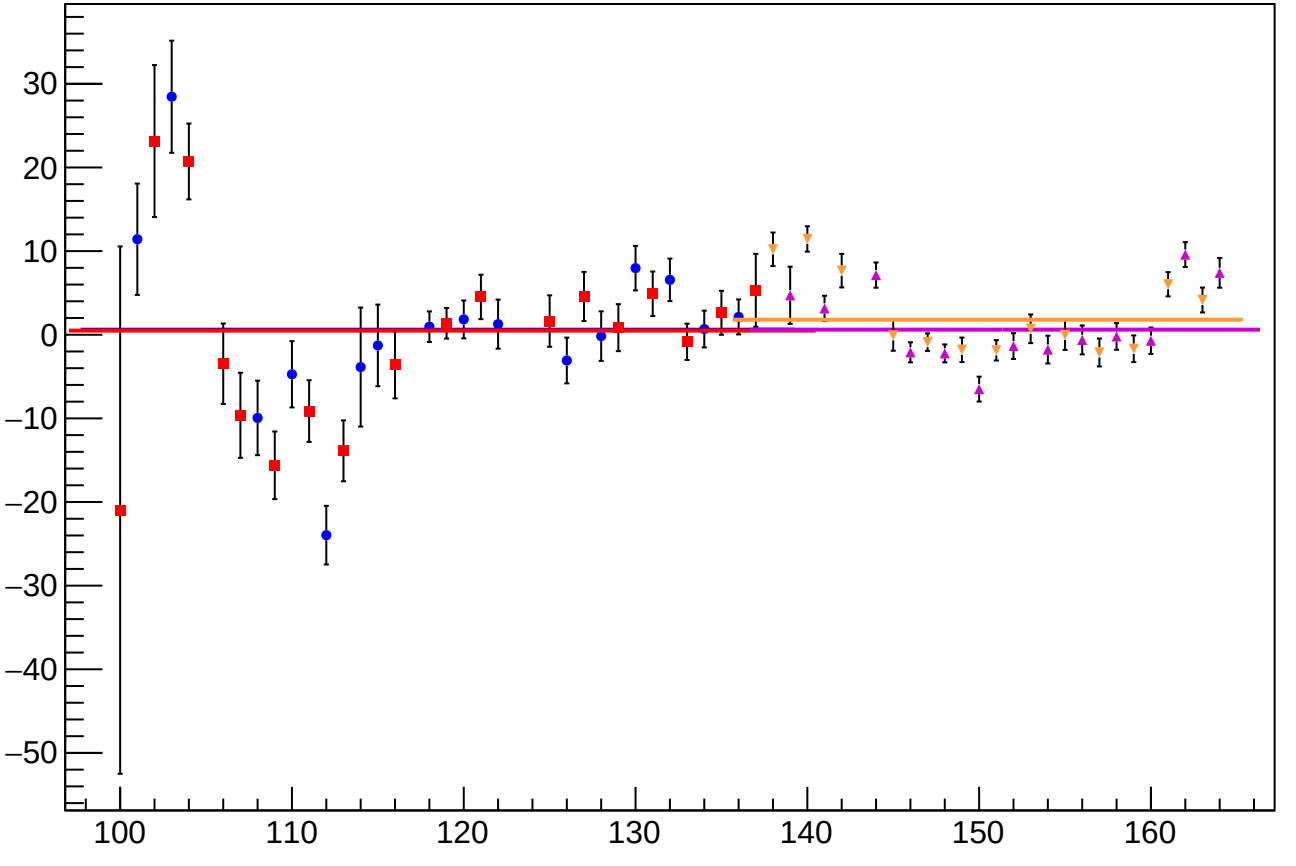
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -13.474+/-0.462 χ^2/NDF:1501.0/28

Out: -13.213+/-0.468 χ^2/NDF:2232.2/30

All: -13.345+/-0.329 χ^2/NDF: 3733.4/59

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: 1.796+/-0.422 χ^2/NDF:112.1/12

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 0.609+/-0.420 χ^2/NDF:114.0/12

Left: 1.200+/-0.298 χ^2/NDF: 230.1/25

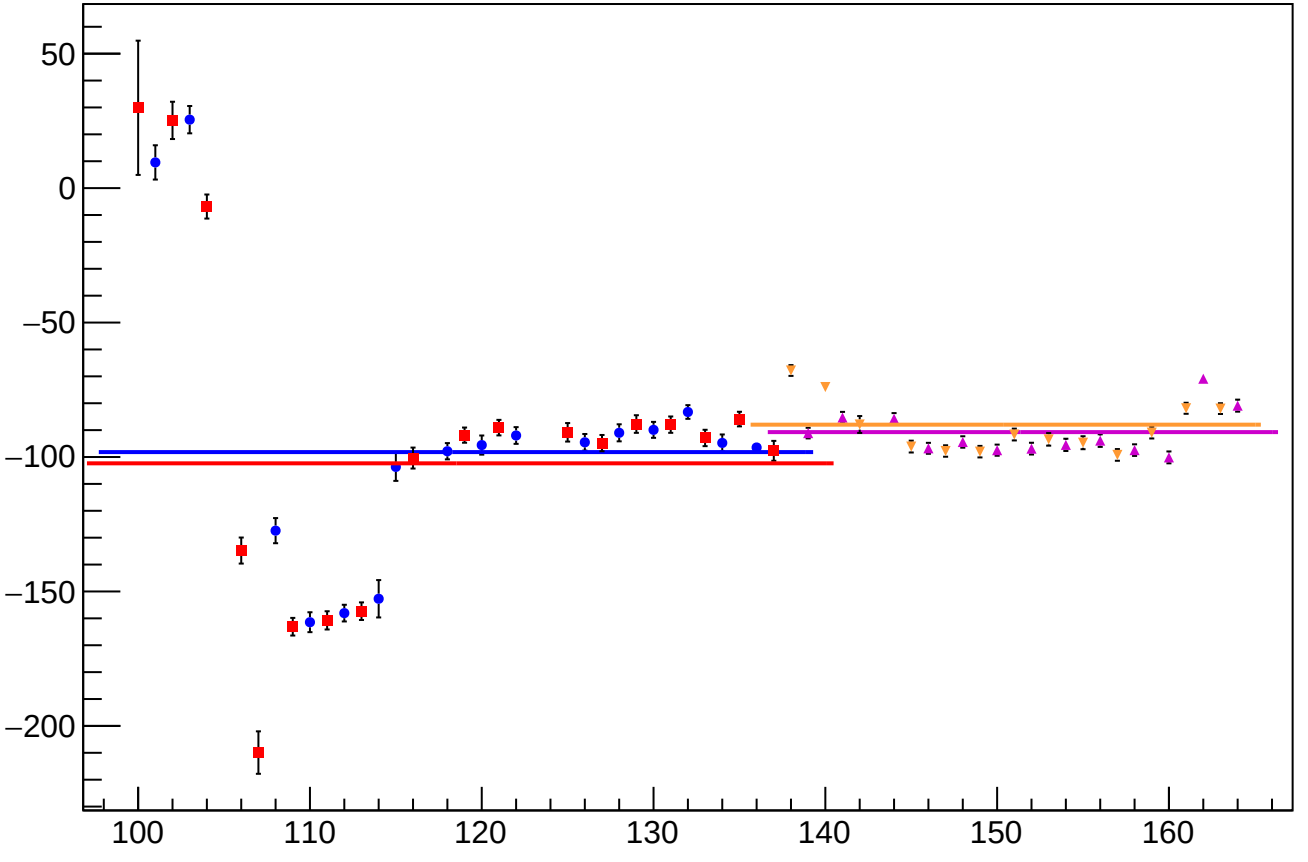
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 0.607+/-0.364 χ^2/NDF:206.9/28

Out: 1.486+/-0.369 χ^2/NDF:194.5/30

All: 1.041+/-0.259 χ^2/NDF: 404.3/59

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -87.969+/-0.603 χ^2/NDF:276.0/12

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -90.739+/-0.587 χ^2/NDF:210.1/12

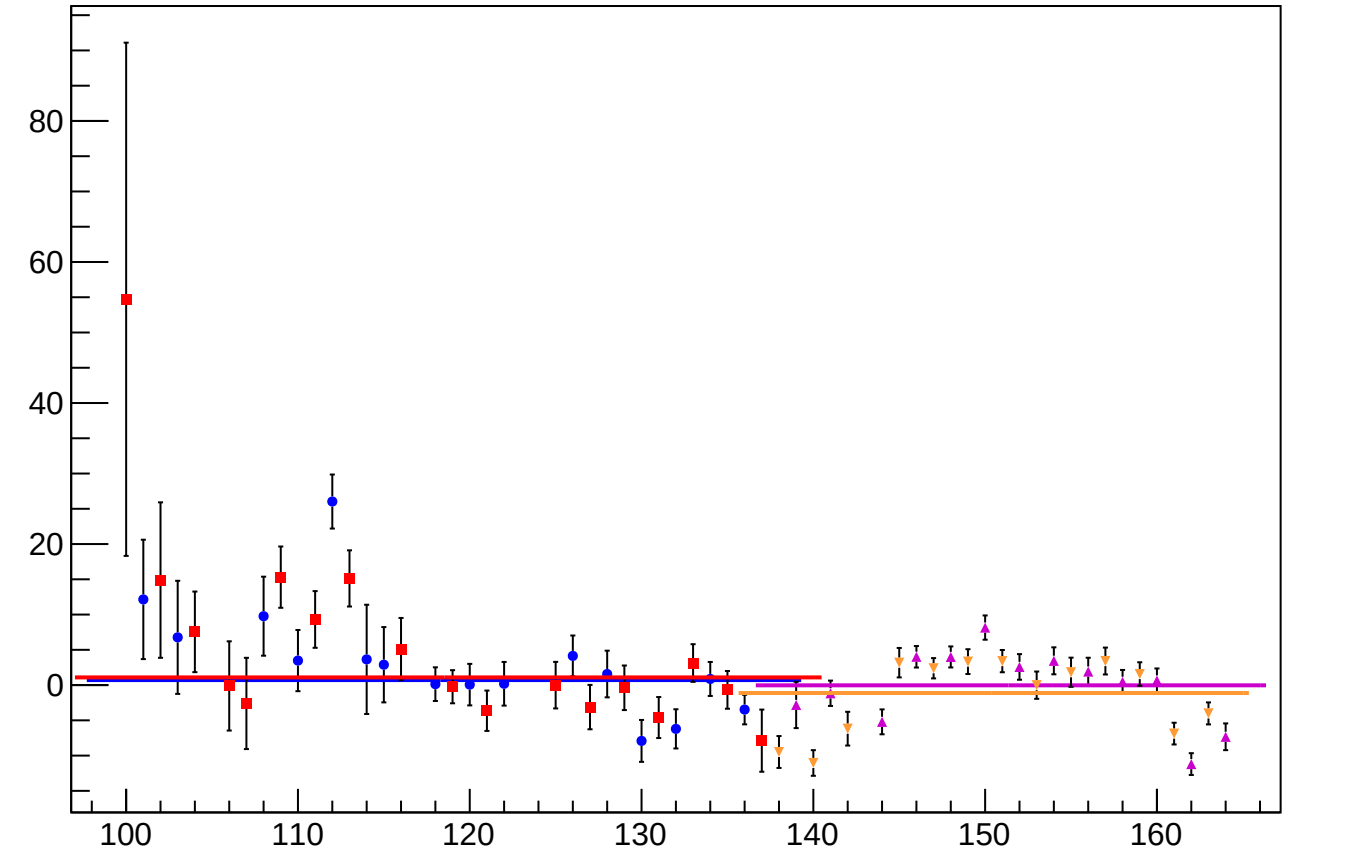
Left: -89.389+/-0.421 χ^2/NDF: 496.9/25

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -93.288+/-0.476 χ^2/NDF:1964.9/28

Out: -92.879+/-0.489 χ^2/NDF:2587.9/30

All: -93.089+/-0.341 χ^2/NDF: 4553.1/59



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -1.125+/-0.495 χ^2/NDF:100.8/12

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.034+/-0.489 χ^2/NDF:120.5/12

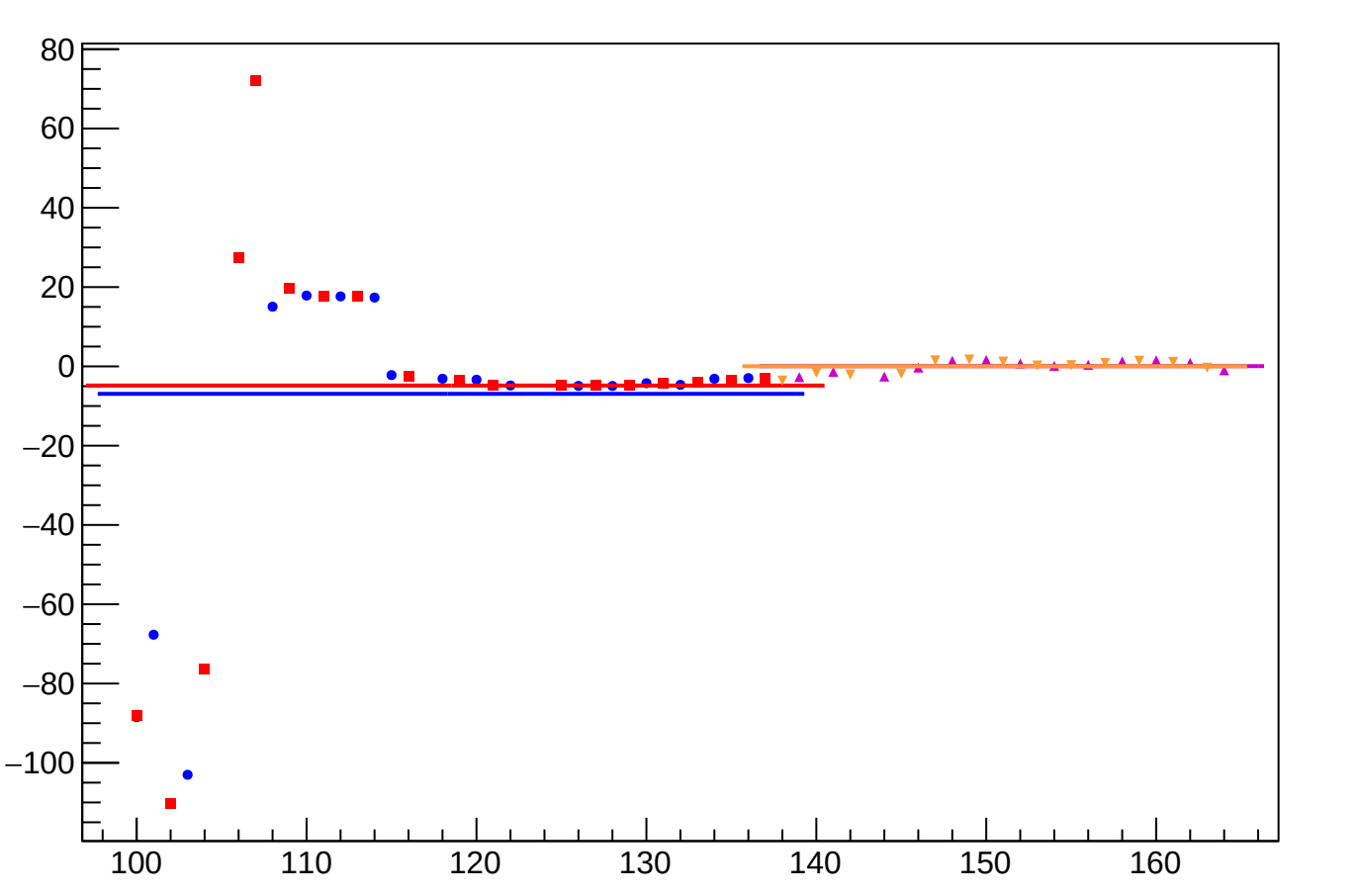
Left: -0.573+/-0.348 χ^2/NDF: 223.7/25

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 0.161+/-0.420 χ^2/NDF:190.7/28

Out: -0.570+/-0.429 χ^2/NDF:153.4/30

All: -0.197+/-0.300 χ^2/NDF: 345.6/59



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: 0.023+/-0.023 χ^2/NDF:4753.7/12

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: 0.059+/-0.022 χ^2/NDF:4216.2/12

Left: 0.041+/-0.016 χ^2/NDF: 8971.2/25

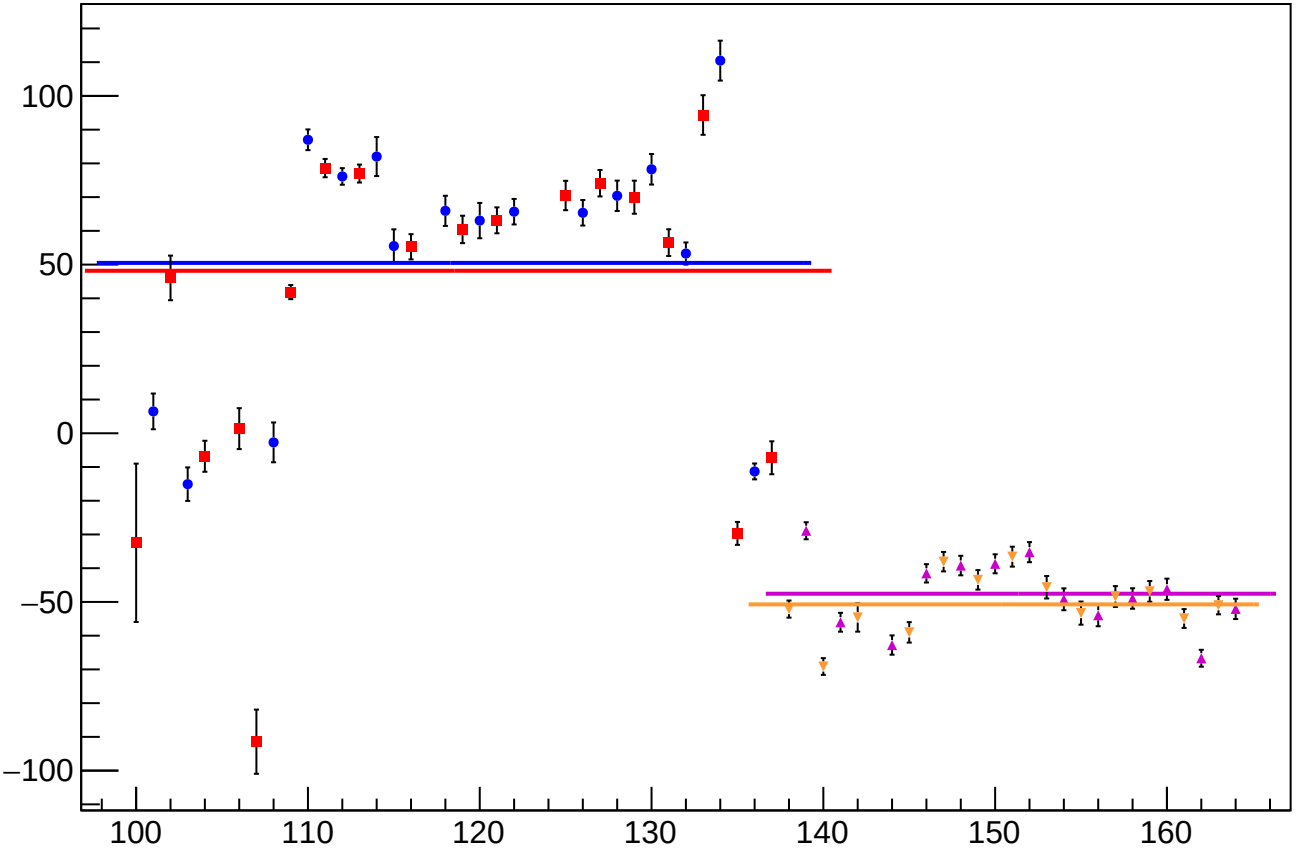
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.136+/-0.020 χ^2/NDF:286580.1/28

Out: -0.735+/-0.021 χ^2/NDF:351253.5/30

All: -0.943+/-0.014 χ^2/NDF: 638025.8/59

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: -50.724+/-0.819 χ^2/NDF:119.5/12

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -47.566+/-0.798 χ^2/NDF:197.4/12

Left: -49.104+/-0.572 χ^2/NDF: 324.6/25

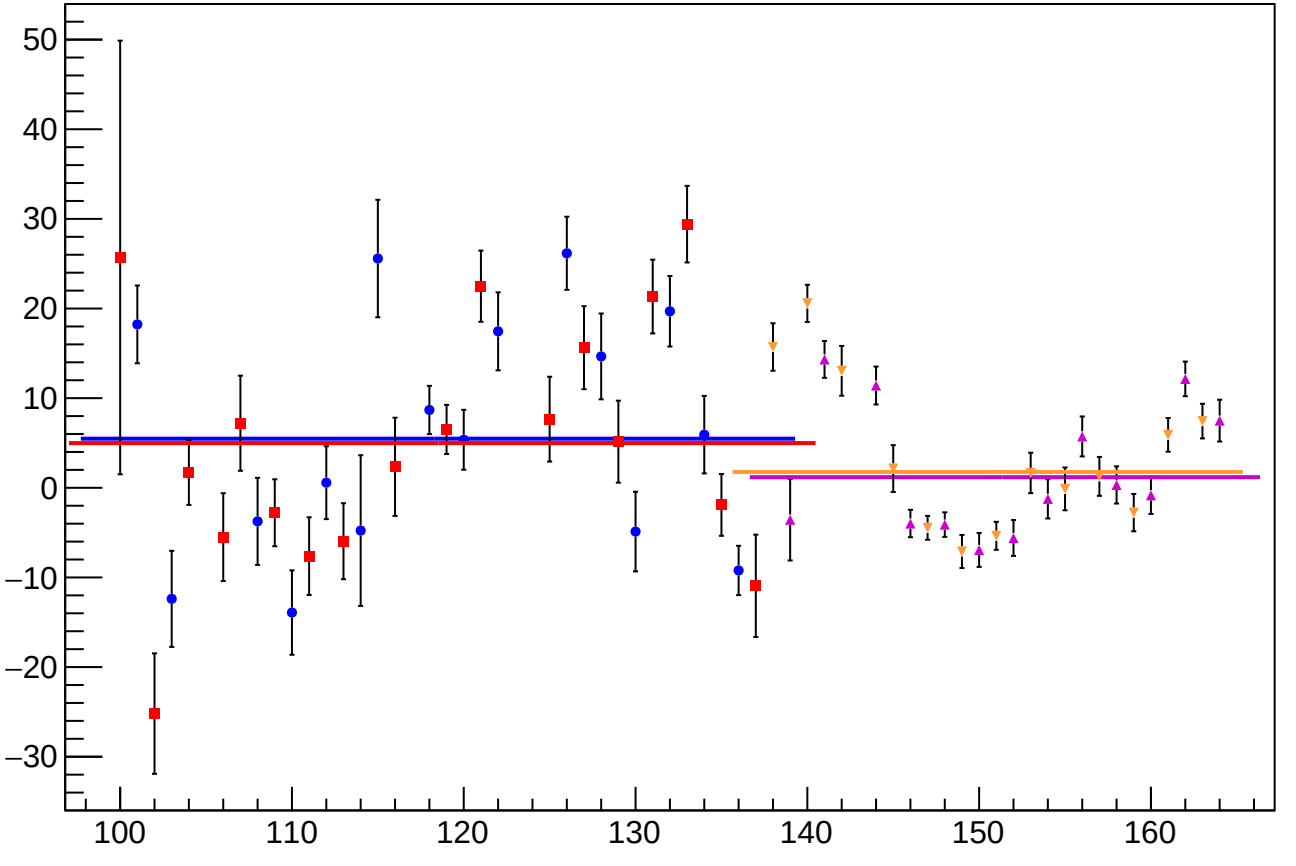
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -7.726+/-0.615 χ^2/NDF:7829.0/28

Out: -6.678+/-0.610 χ^2/NDF:8128.2/30

All: -7.198+/-0.433 χ^2/NDF: 15958.6/59

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: 1.772+/-0.551 χ^2/NDF:211.5/12

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 1.189+/-0.548 χ^2/NDF:167.6/12

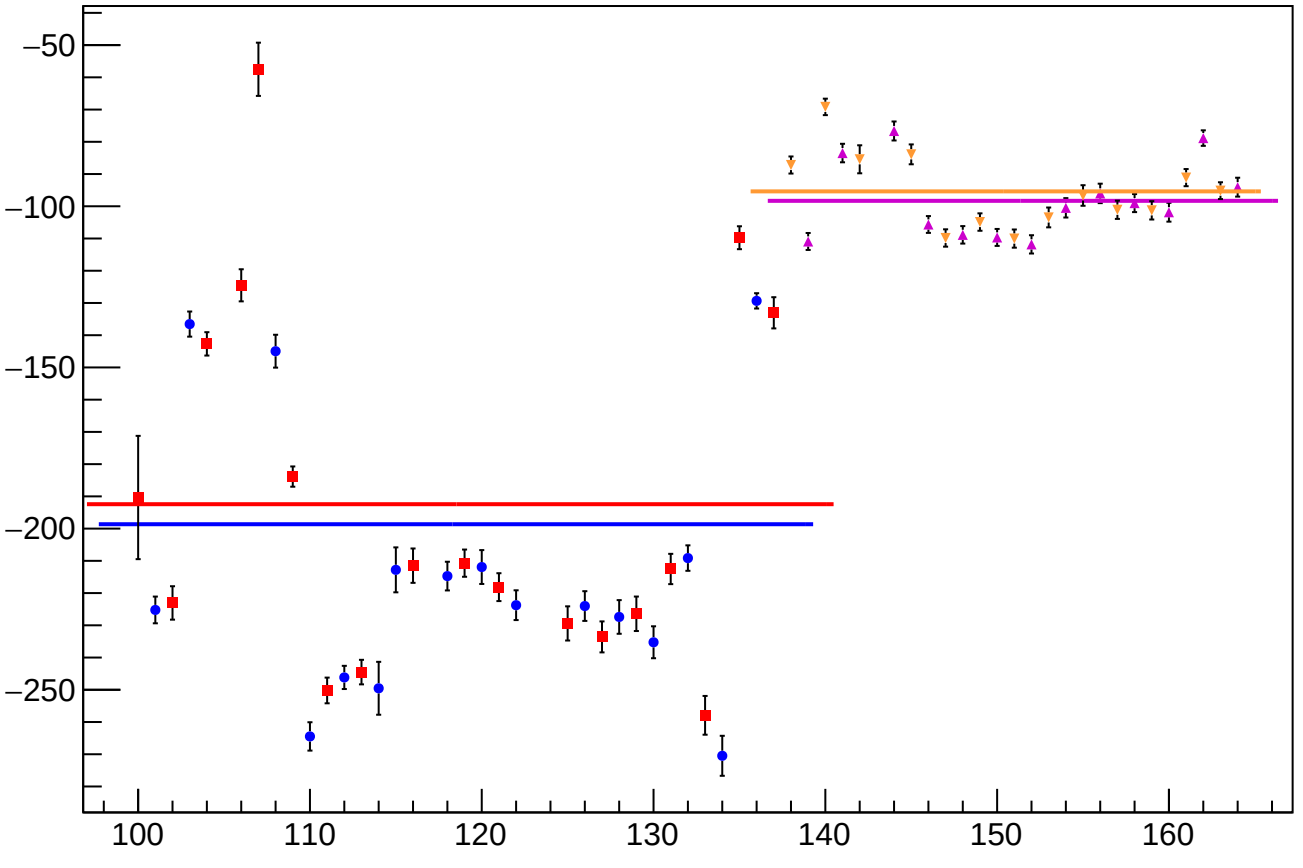
Left: 1.479+/-0.389 χ^2/NDF: 379.7/25

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 2.150+/-0.483 χ^2/NDF:319.5/28

Out: 2.497+/-0.485 χ^2/NDF:351.0/30

All: 2.323+/-0.342 χ^2/NDF: 670.7/59



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.379+/-0.792 χ^2/NDF:220.4/12

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -98.314+/-0.770 χ^2/NDF:238.1/12

Left: -96.887+/-0.552 χ^2/NDF: 465.6/25

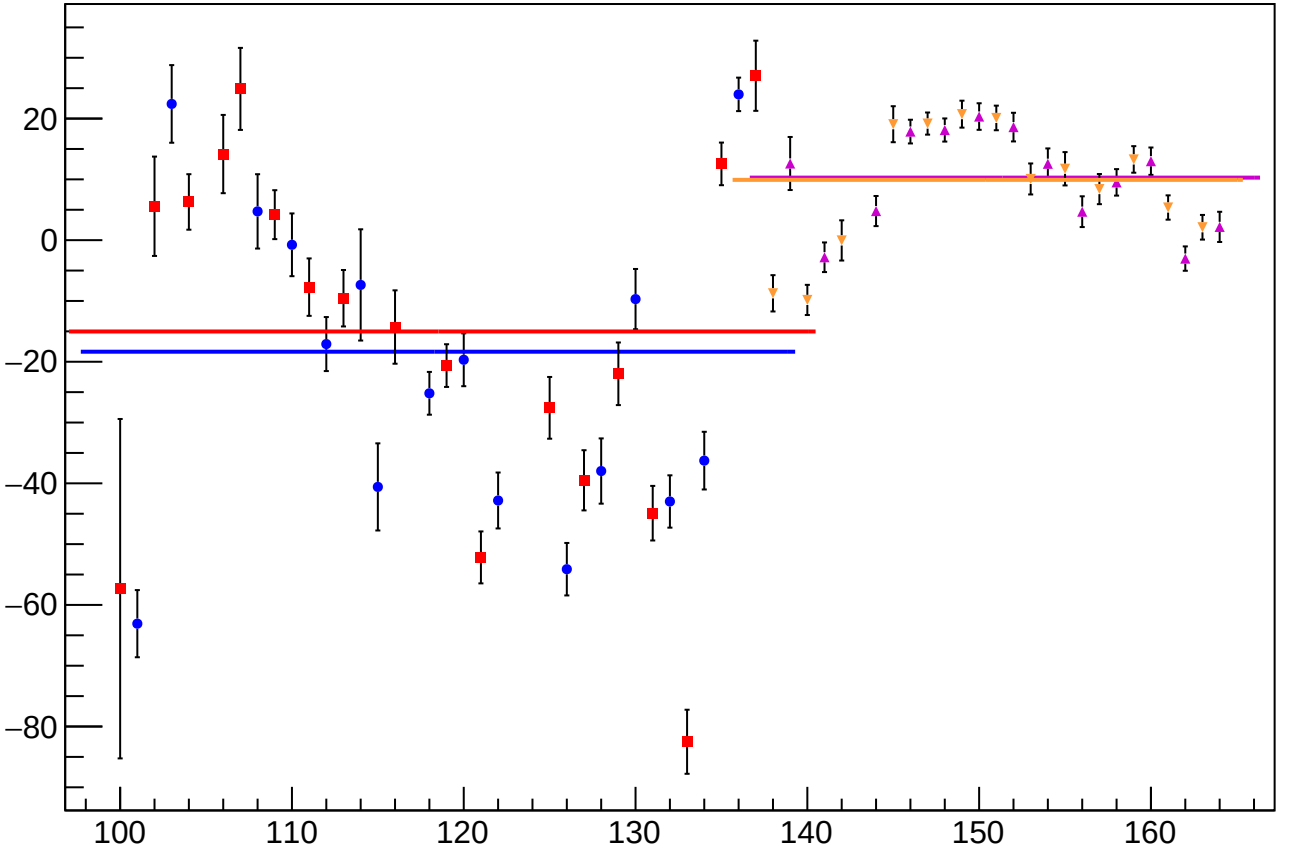
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -131.978+/-0.628 χ^2/NDF:7938.6/28

Out: -129.302+/-0.638 χ^2/NDF:7614.0/30

All: -130.663+/-0.448 χ^2/NDF: 15561.6/59

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: 9.919+/-0.648 χ^2/NDF:219.1/12

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 10.286+/-0.640 χ^2/NDF:161.8/12

Left: 10.105+/-0.455 χ^2/NDF: 381.0/25

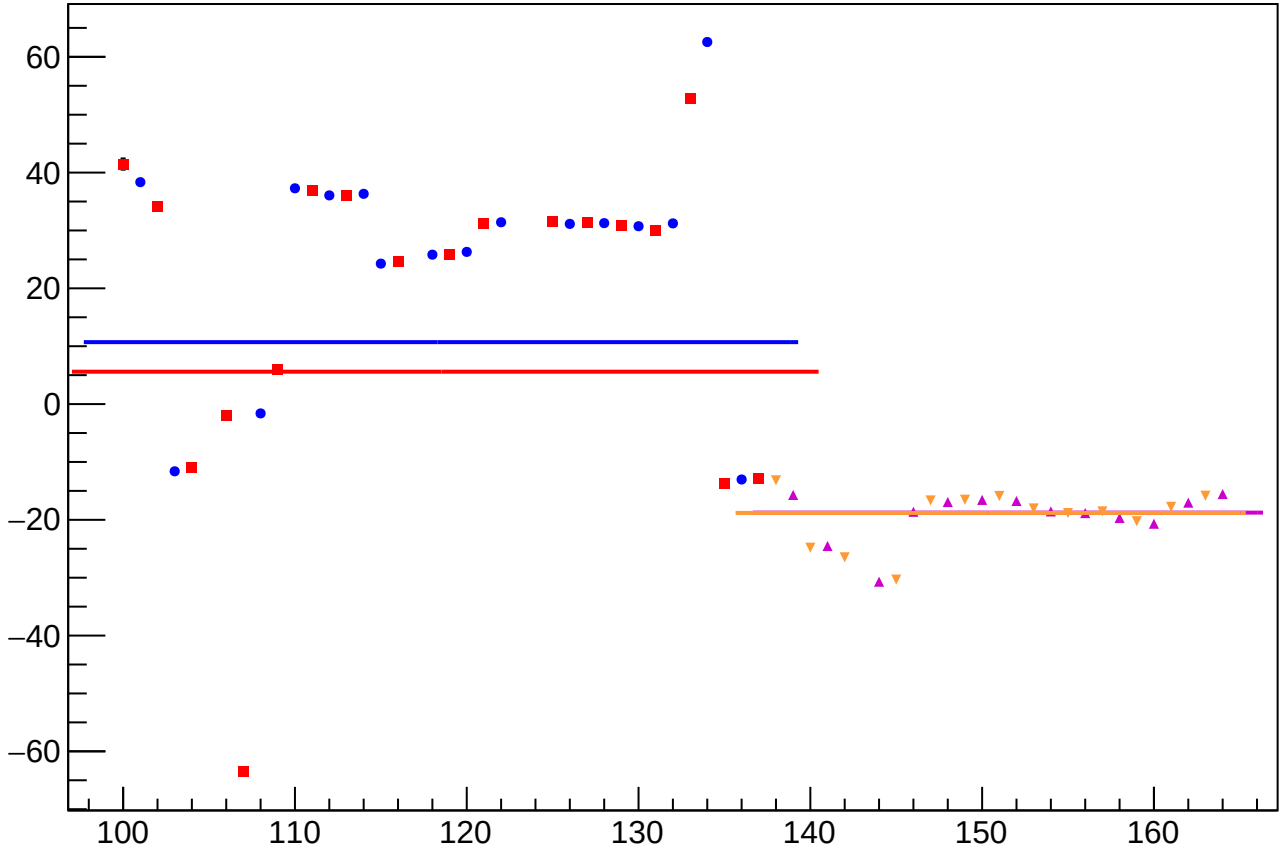
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 3.604+/-0.560 χ^2/NDF:1173.3/28

Out: 4.001+/-0.566 χ^2/NDF:1117.1/30

All: 3.801+/-0.398 χ^2/NDF: 2290.6/59

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: -18.806+/-0.030 χ^2/NDF:19426.5/12

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -18.754+/-0.029 χ^2/NDF:14414.5/12

Left: -18.779+/-0.021 χ^2/NDF: 33842.6/25

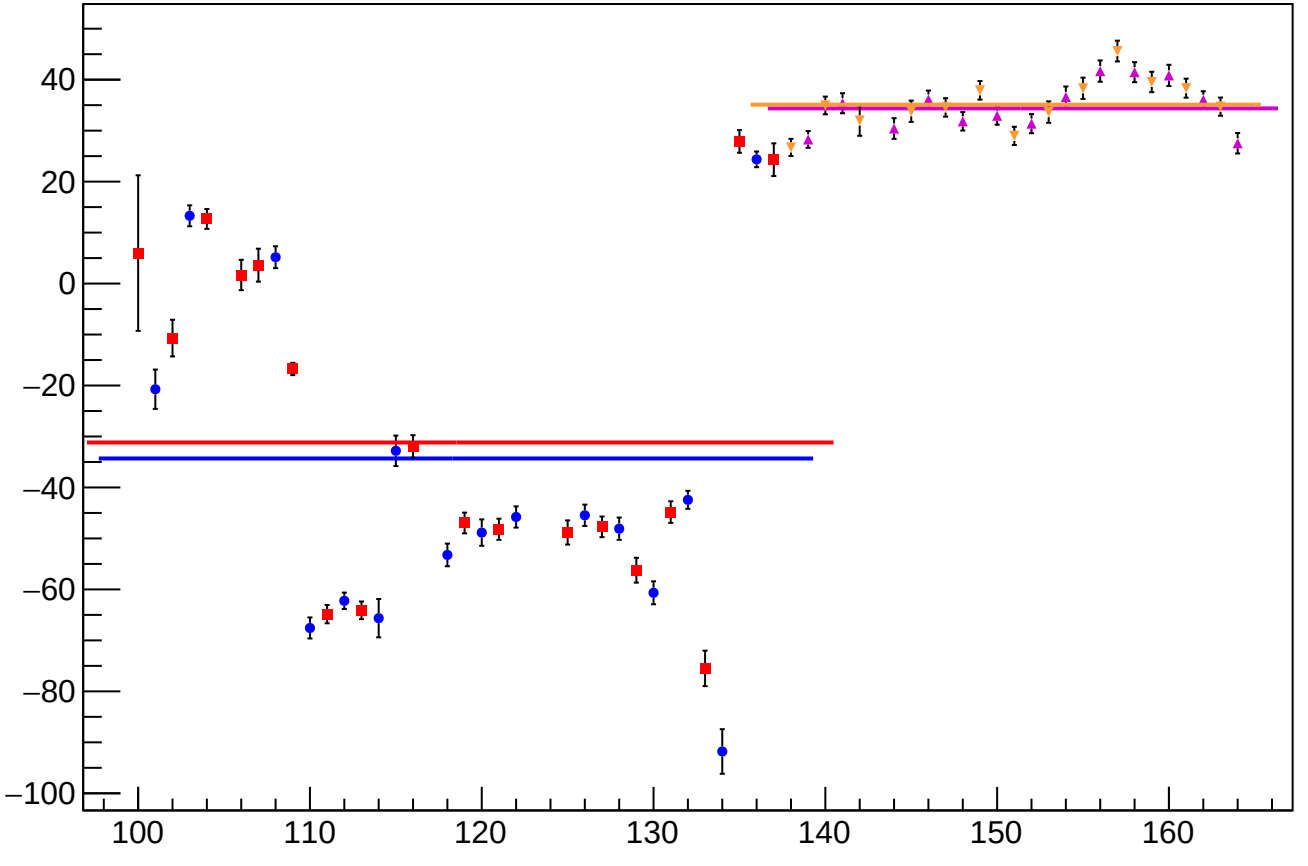
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -13.632+/-0.026 χ^2/NDF:360457.0/28

Out: -14.415+/-0.027 χ^2/NDF:295044.0/30

All: -14.013+/-0.019 χ^2/NDF: 655933.6/59

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 35.095+/-0.536 χ^2/NDF:77.8/12

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 34.362+/-0.522 χ^2/NDF:72.7/12

Left: 34.719+/-0.374 χ^2/NDF: 151.5/25

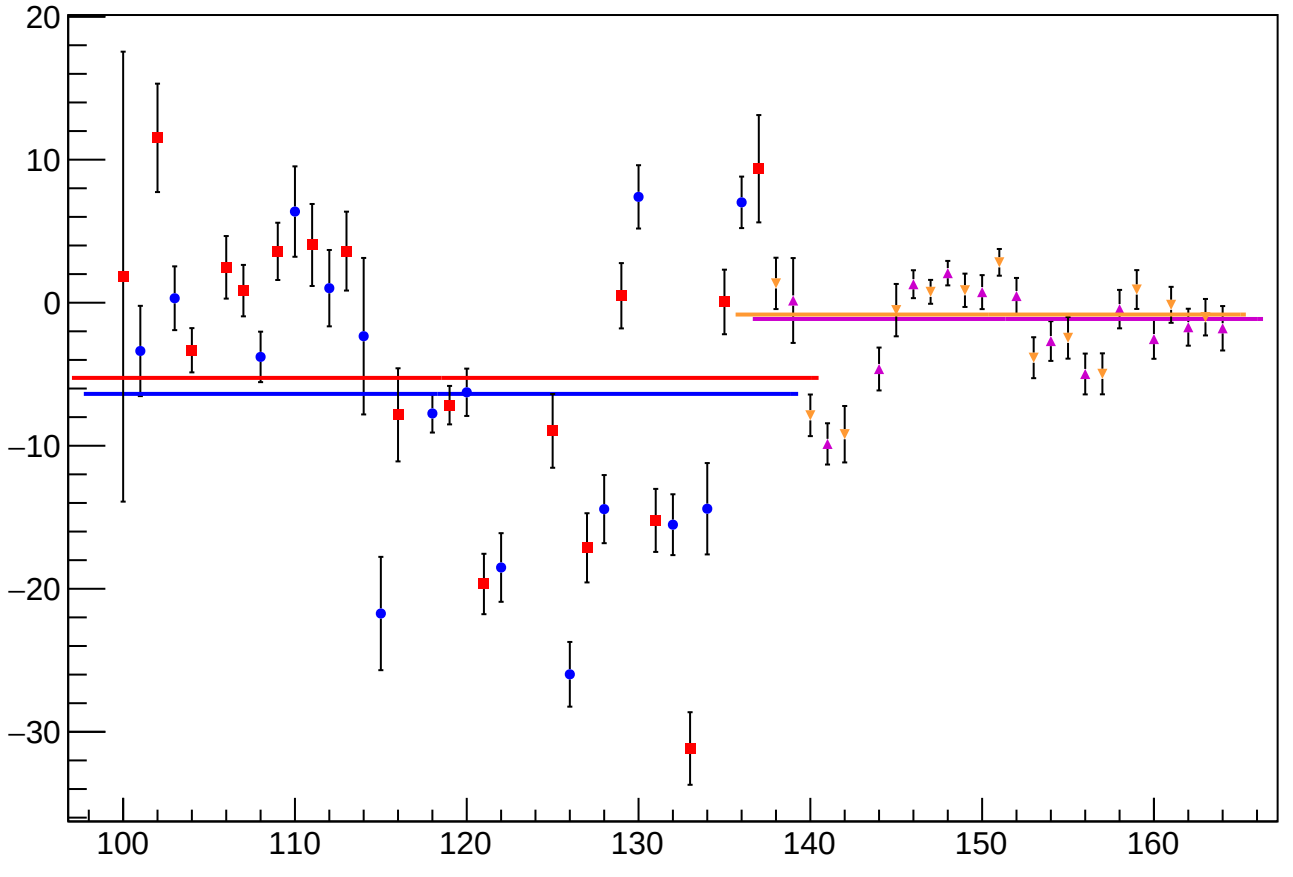
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 1.688+/-0.378 χ^2/NDF:11813.1/28

Out: 0.714+/-0.371 χ^2/NDF:11223.5/30

All: 1.193+/-0.265 χ^2/NDF: 23040.0/59

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.828+/-0.356 χ^2/NDF:80.0/12

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.137+/-0.356 χ^2/NDF:76.8/12

Left: -0.982+/-0.252 χ^2/NDF: 157.1/25

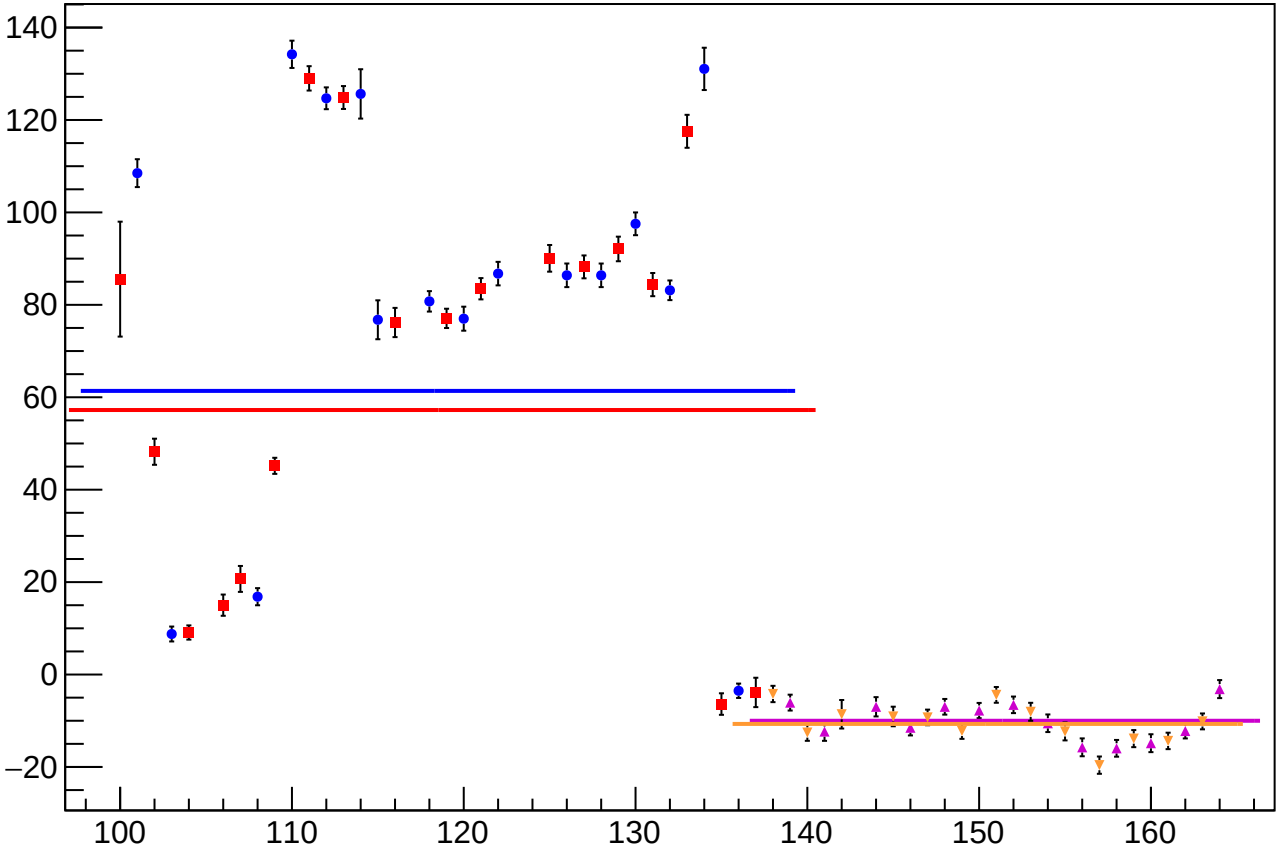
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.670+/-0.299 χ^2/NDF:423.7/28

Out: -2.195+/-0.296 χ^2/NDF:440.7/30

All: -2.430+/-0.210 χ^2/NDF: 865.7/59

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -10.686+/-0.516 χ^2/NDF:63.2/12

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -10.002+/-0.502 χ^2/NDF:58.5/12

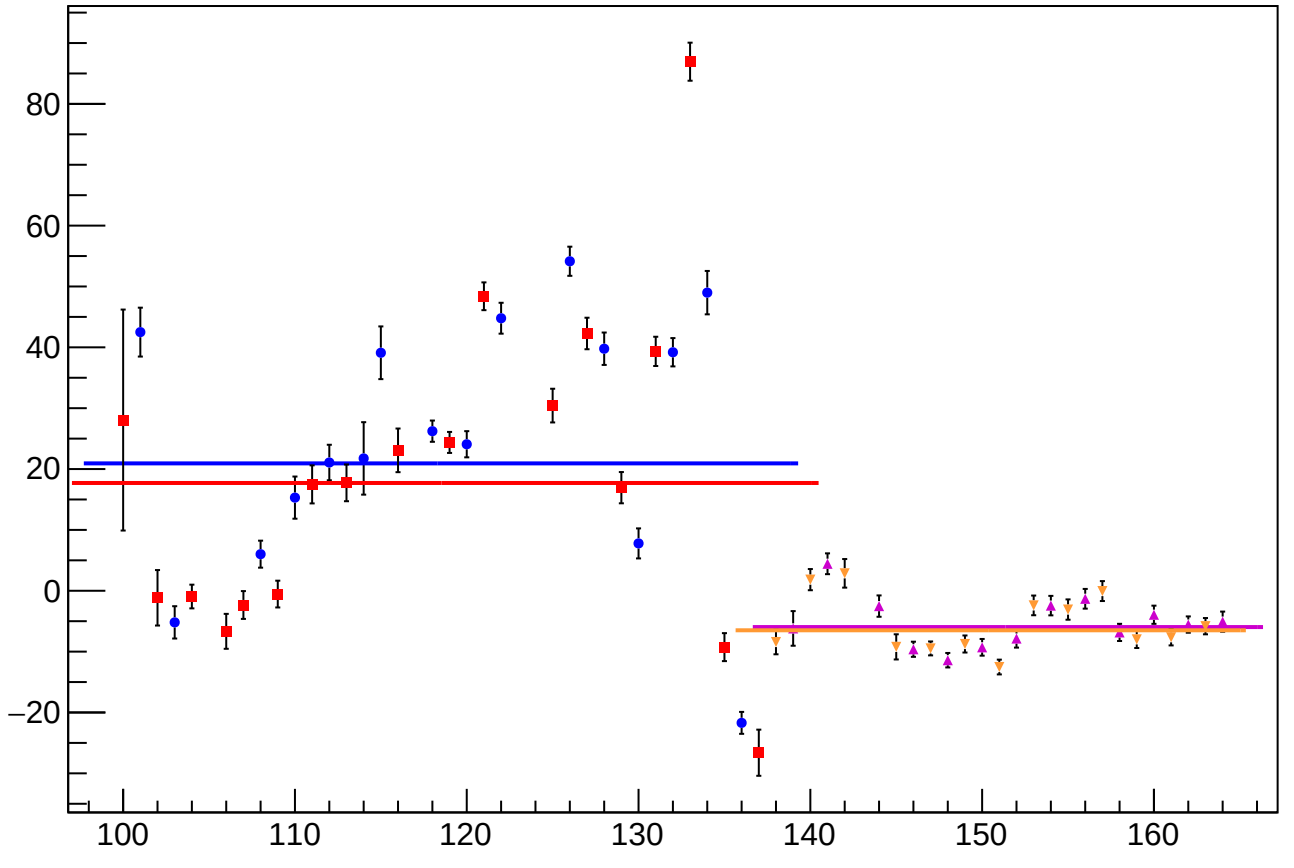
Left: -10.335+/-0.360 χ^2/NDF: 122.6/25

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

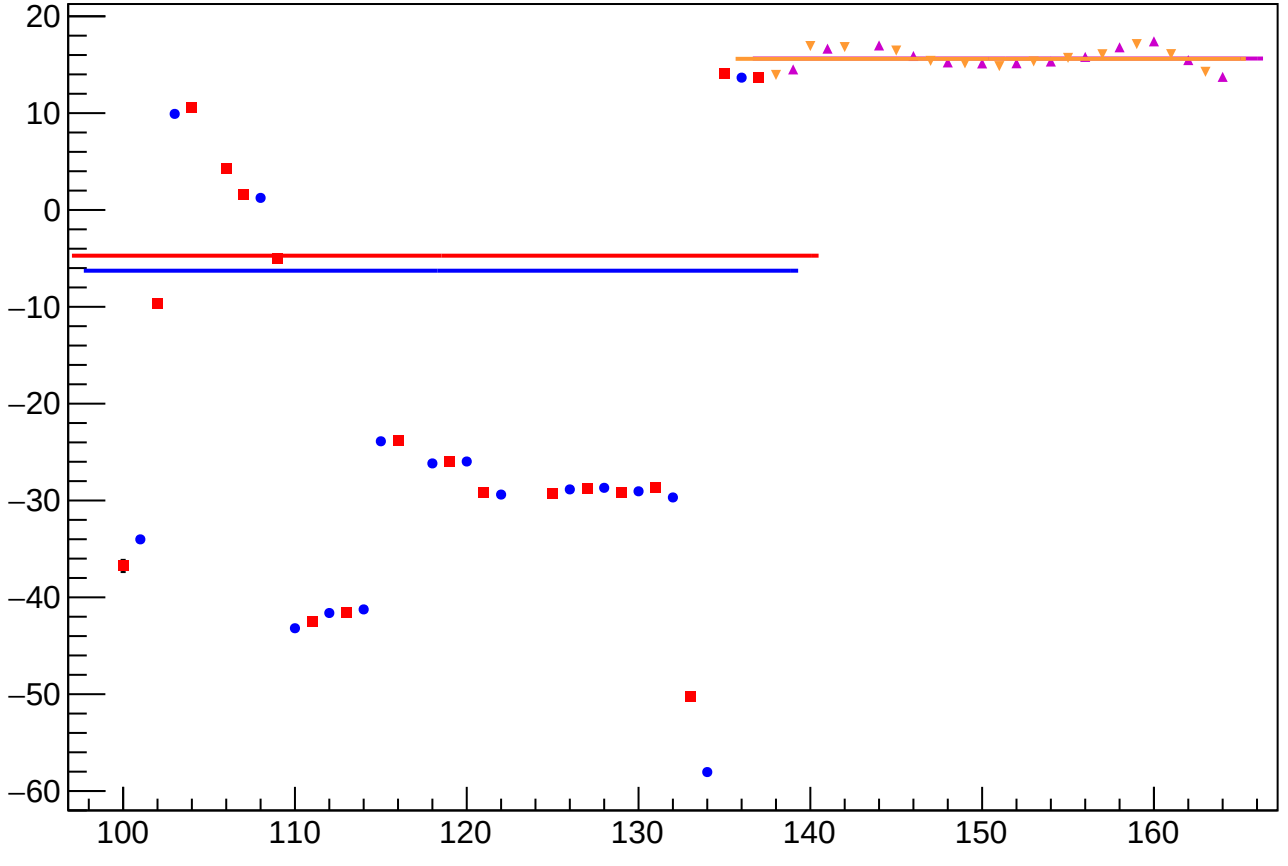
In: 19.726+/-0.384 χ^2/NDF:14542.5/28

Out: 19.297+/-0.385 χ^2/NDF:12987.0/30

All: 19.513+/-0.272 χ^2/NDF: 27530.1/59


reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 20.931+/-0.640 χ²/NDF: 1245.4/15
Left Out: -6.495+/-0.420 χ²/NDF:103.6/12
Right Out: 17.711+/-0.618 χ²/NDF: 1481.9/17
Left In: -5.964+/-0.416 χ²/NDF:93.6/12
Left: -6.227+/-0.296 χ²/NDF: 198.0/25
Right: 19.265+/-0.445 χ²/NDF: 2740.4/33
In: 2.031+/-0.349 χ²/NDF:2579.4/28
Out: 1.150+/-0.347 χ²/NDF:2634.8/30
All: 1.588+/-0.246 χ²/NDF: 5217.4/59

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.607+/-0.019 χ^2/NDF:2400.0/12

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.638+/-0.019 χ^2/NDF:2555.2/12

Left: 15.623+/-0.013 χ^2/NDF: 4956.5/25

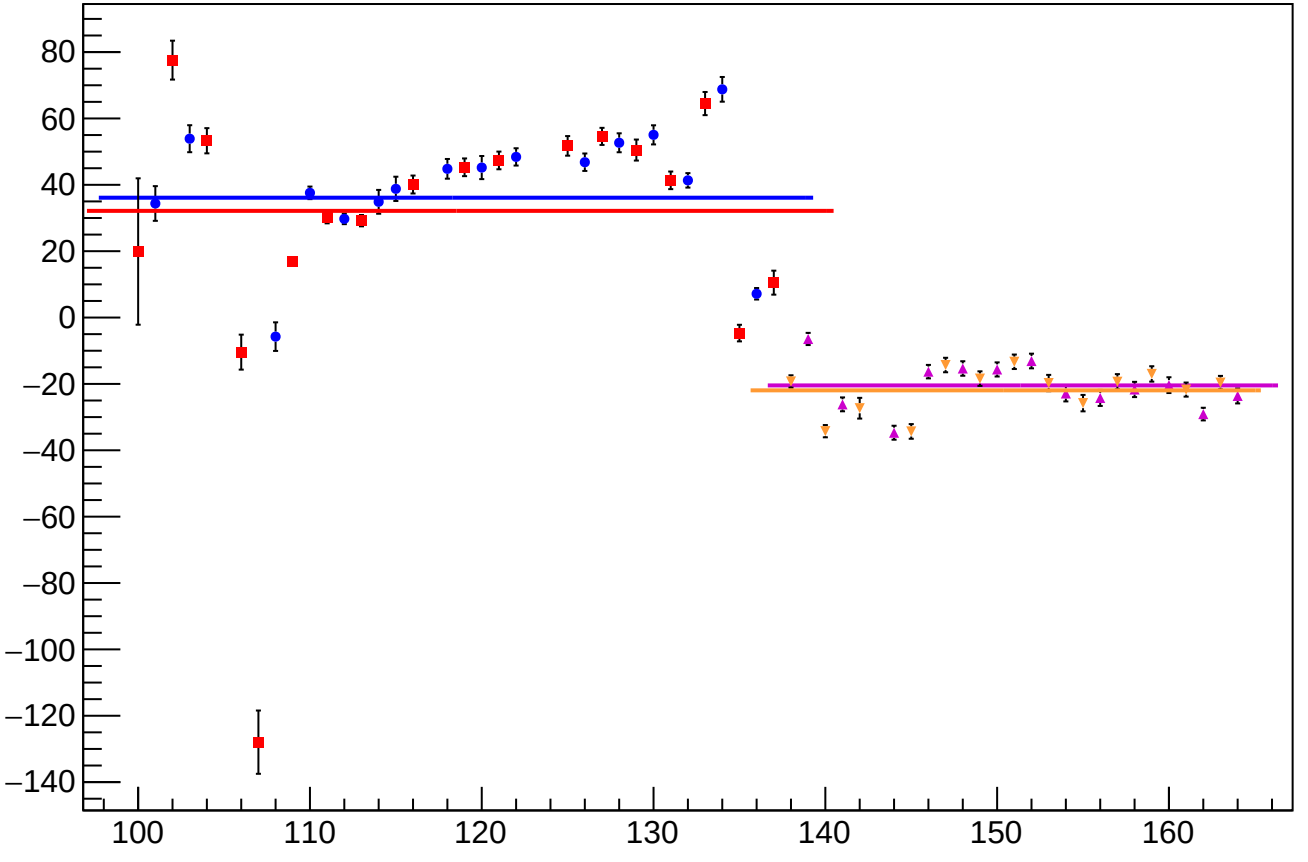
Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 10.379+/-0.016 χ^2/NDF:739709.0/28

Out: 10.556+/-0.017 χ^2/NDF:582653.9/30

All: 10.465+/-0.012 χ^2/NDF: 1322419.3/59

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -21.939+/-0.611 χ^2/NDF:121.3/12

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -20.453+/-0.597 χ^2/NDF:163.5/12

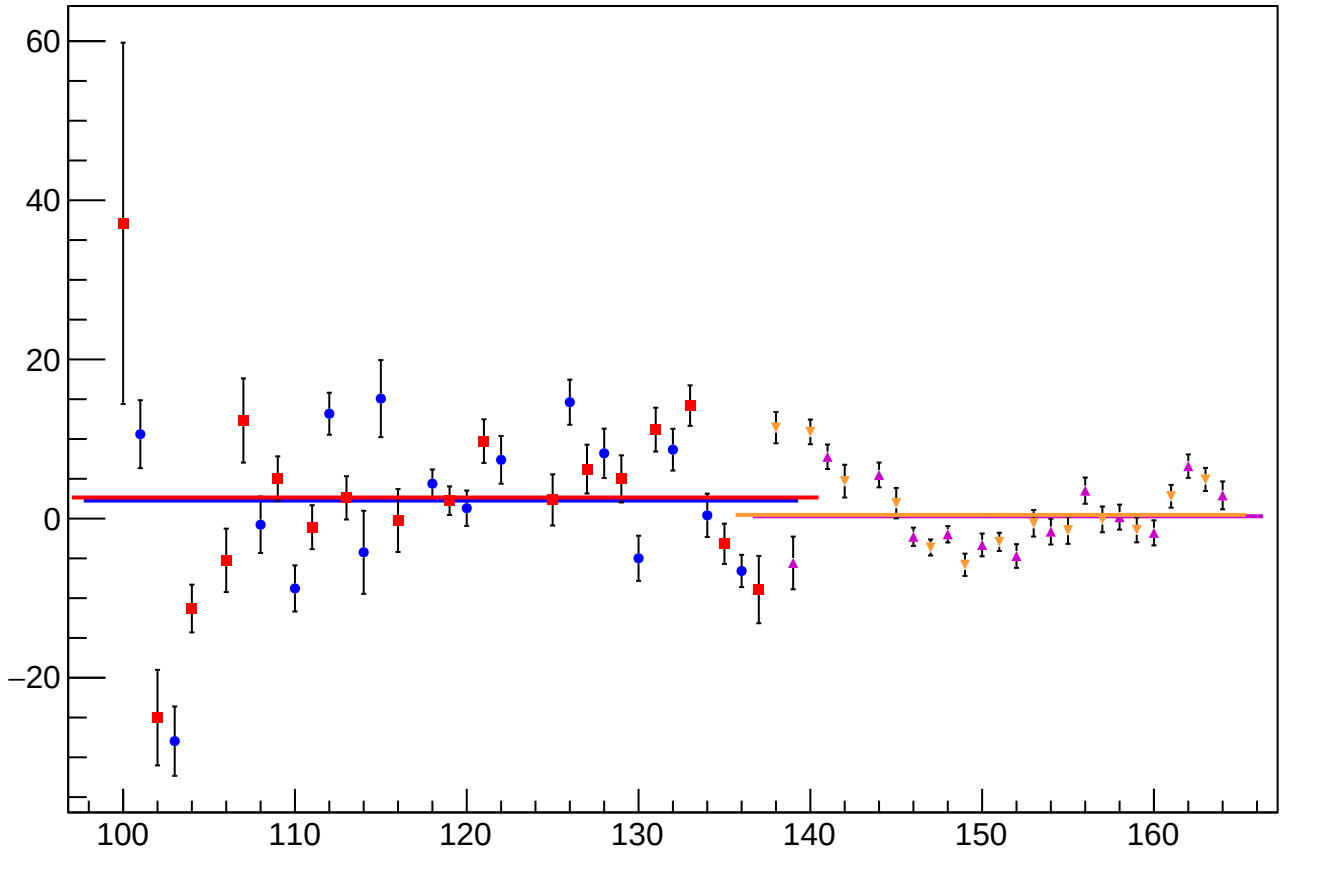
Left: -21.178+/-0.427 χ^2/NDF: 287.8/25

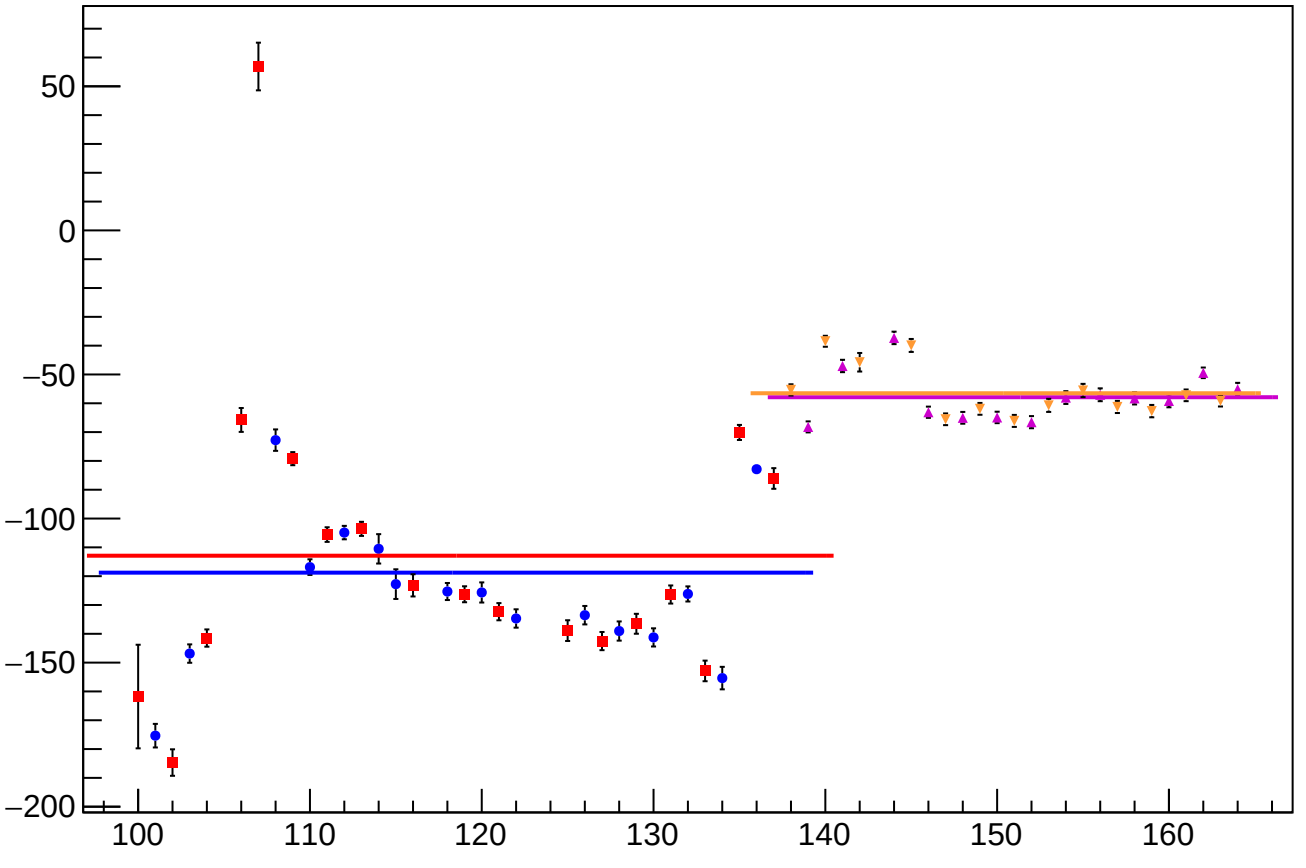
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 5.141+/-0.442 χ^2/NDF:4853.2/28

Out: 4.250+/-0.439 χ^2/NDF:5030.6/30

All: 4.693+/-0.311 χ^2/NDF: 9885.9/59


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 2.265+/-0.701 χ²/NDF: 152.0/15
Left Out: 0.466+/-0.412 χ²/NDF:141.7/12
Right Out: 2.651+/-0.715 χ²/NDF: 107.2/17
Left In: 0.291+/-0.412 χ²/NDF:92.8/12
Left: 0.378+/-0.291 χ²/NDF: 234.6/25
Right: 2.454+/-0.501 χ²/NDF: 259.4/33
In: 0.797+/-0.355 χ²/NDF:250.7/28
Out: 1.011+/-0.357 χ²/NDF:256.0/30
All: 0.903+/-0.252 χ²/NDF: 506.9/59



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -56.516+/-0.591 χ^2/NDF:222.4/12

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -57.894+/-0.576 χ^2/NDF:216.8/12

Left: -57.223+/-0.412 χ^2/NDF: 442.0/25

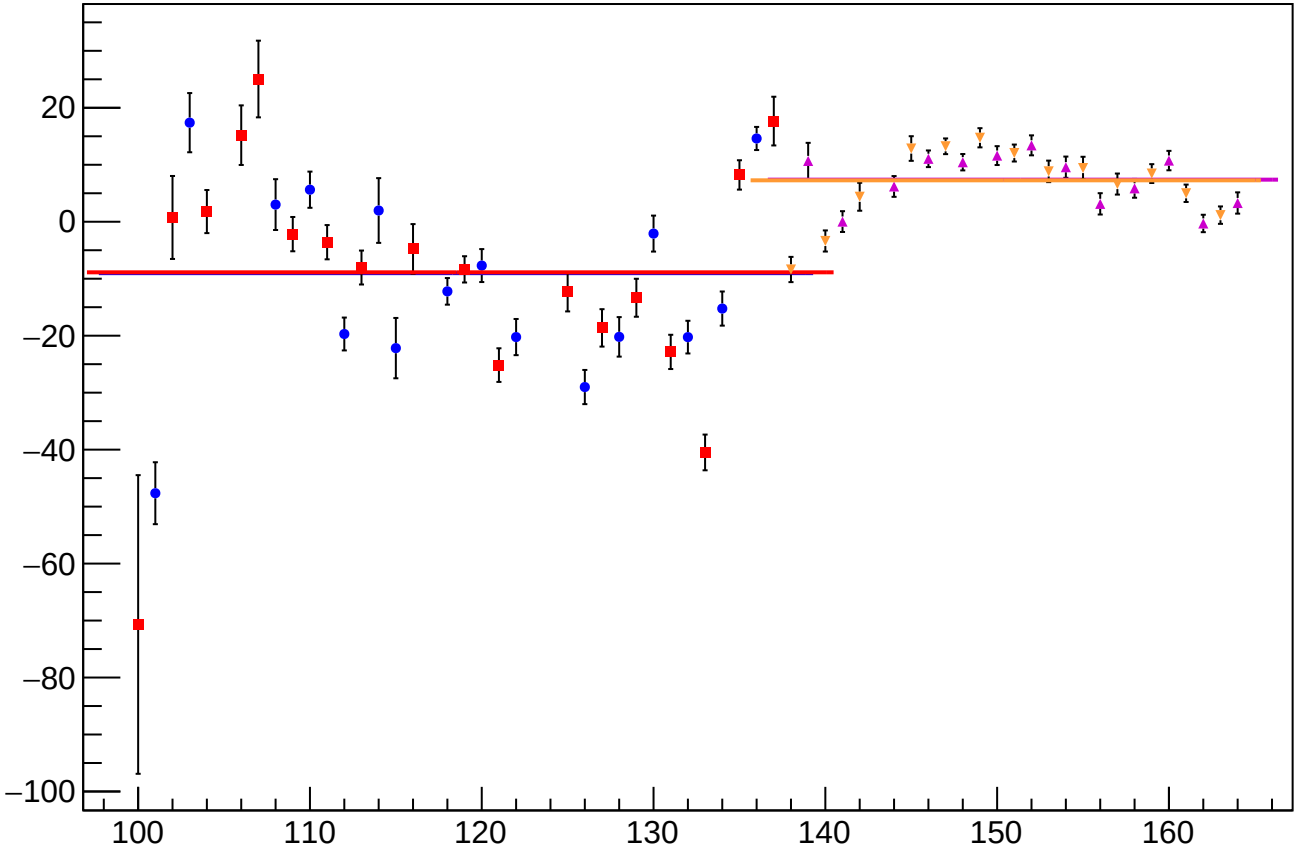
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -80.211+/-0.458 χ^2/NDF:5435.8/28

Out: -77.710+/-0.467 χ^2/NDF:5511.6/30

All: -78.983+/-0.327 χ^2/NDF: 10962.0/59

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: 7.270+/-0.485 χ^2/NDF:160.6/12

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 7.387+/-0.480 χ^2/NDF:88.3/12

Left: 7.329+/-0.341 χ^2/NDF: 248.9/25

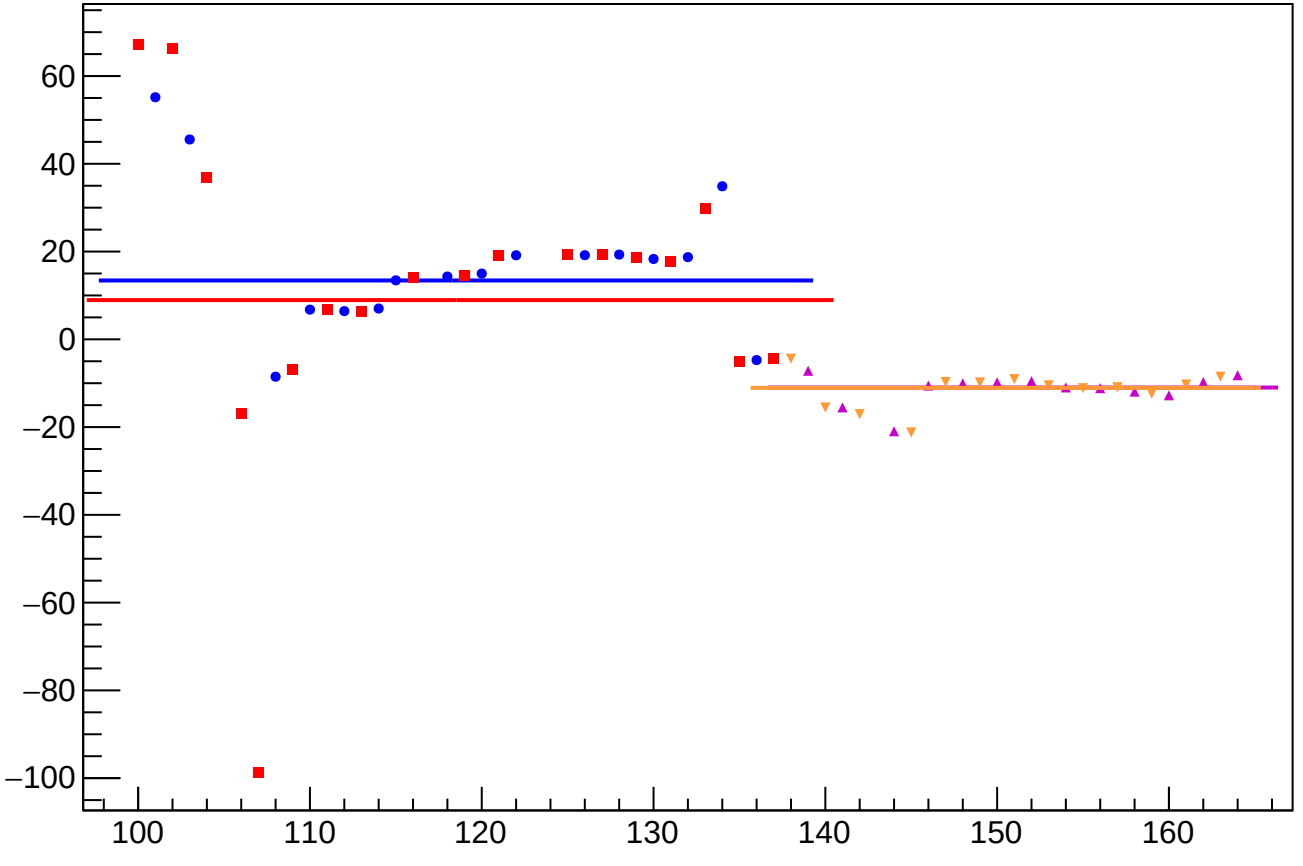
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 3.012+/-0.411 χ^2/NDF:758.2/28

Out: 3.018+/-0.416 χ^2/NDF:771.8/30

All: 3.015+/-0.292 χ^2/NDF: 1530.0/59

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.049+/-0.022 χ^2/NDF:28320.9/12

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -10.988+/-0.022 χ^2/NDF:19260.0/12

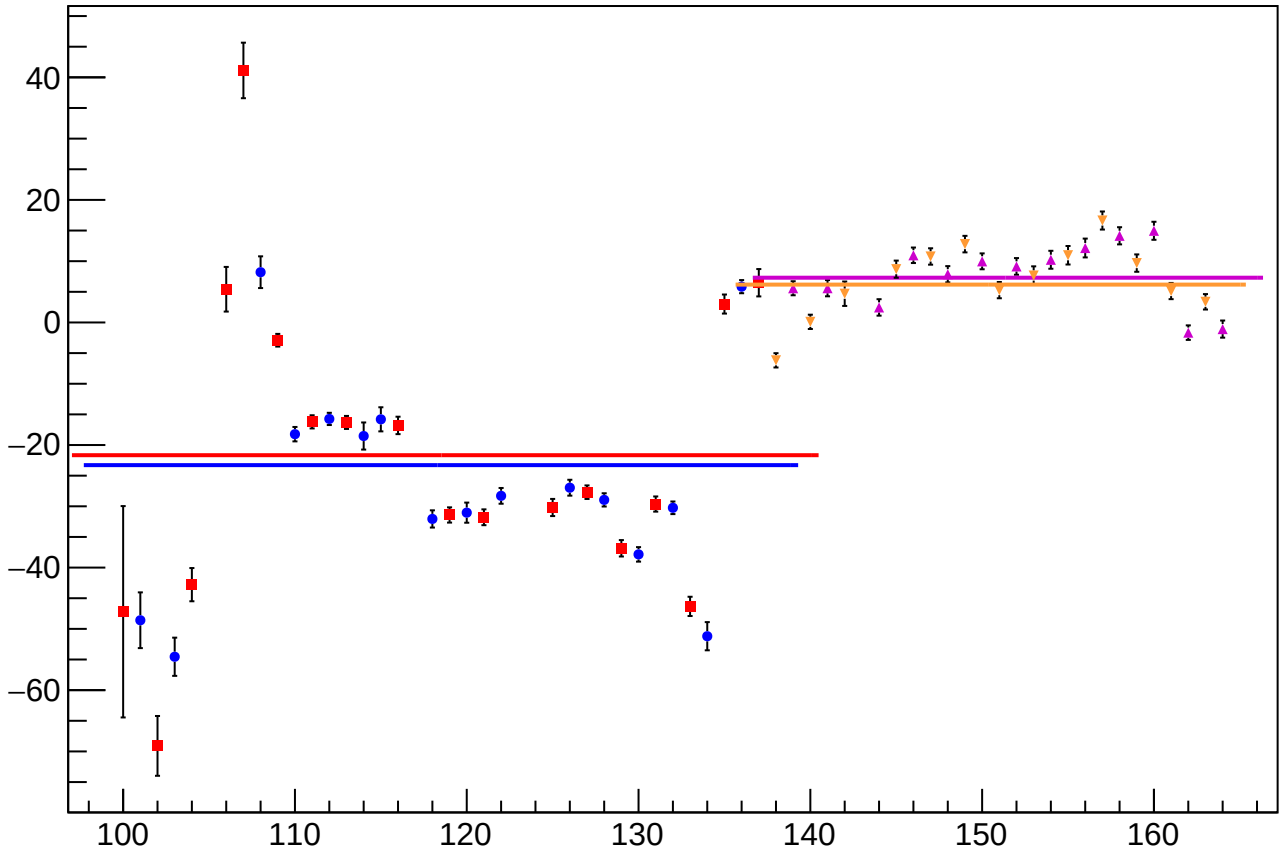
Left: -11.018+/-0.015 χ^2/NDF: 47584.8/25

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -6.476+/-0.019 χ^2/NDF:439627.8/28

Out: -7.449+/-0.020 χ^2/NDF:465312.6/30

All: -6.947+/-0.014 χ^2/NDF: 906148.9/59



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 6.178+/-0.379 χ^2/NDF:252.4/12

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 7.304+/-0.370 χ^2/NDF:189.6/12

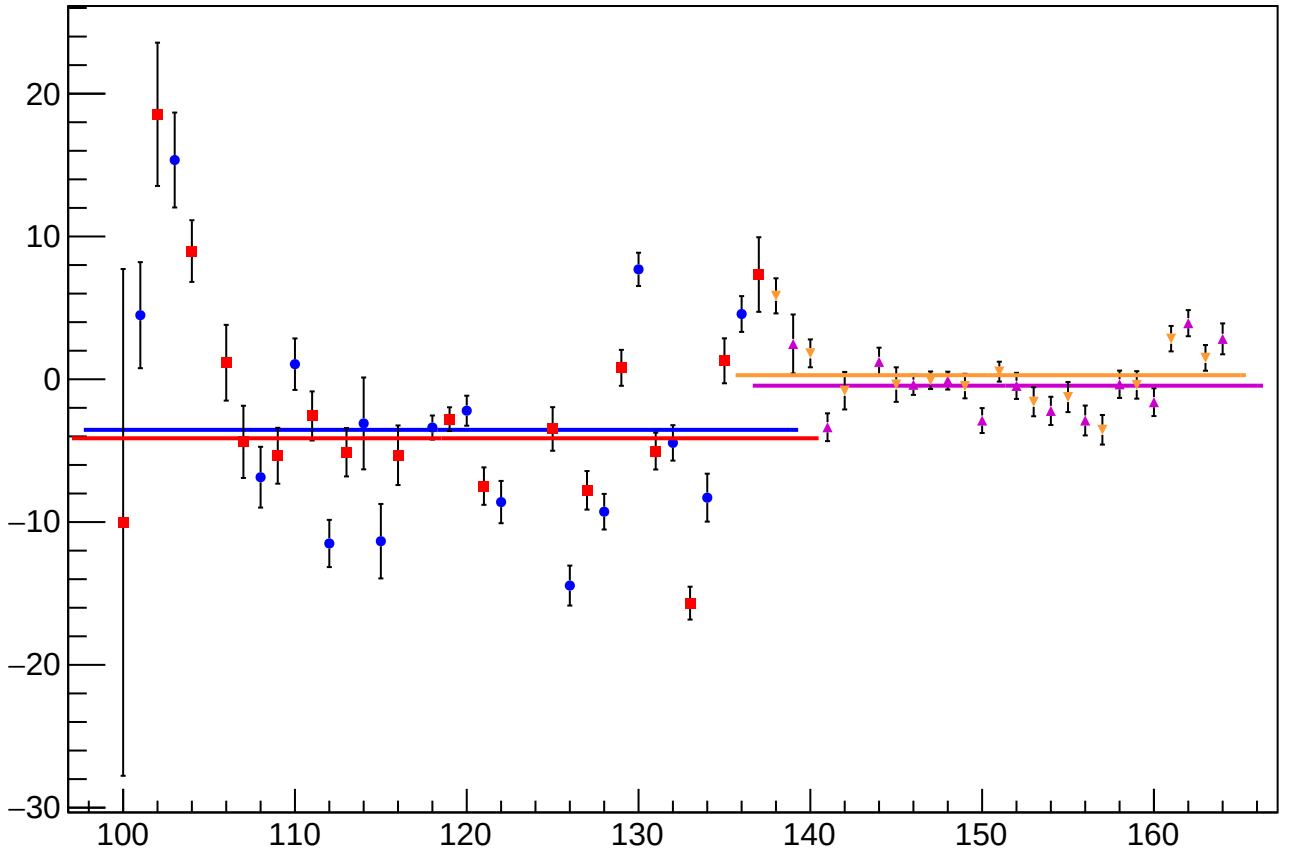
Left: 6.755+/-0.265 χ^2/NDF: 446.6/25

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -8.817+/-0.254 χ^2/NDF:5360.6/28

Out: -8.960+/-0.256 χ^2/NDF:4996.6/30

All: -8.888+/-0.180 χ^2/NDF: 10357.4/59



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.285+/-0.255 χ^2/NDF:54.8/12

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.449+/-0.254 χ^2/NDF:64.1/12

Left: -0.083+/-0.180 χ^2/NDF: 123.0/25

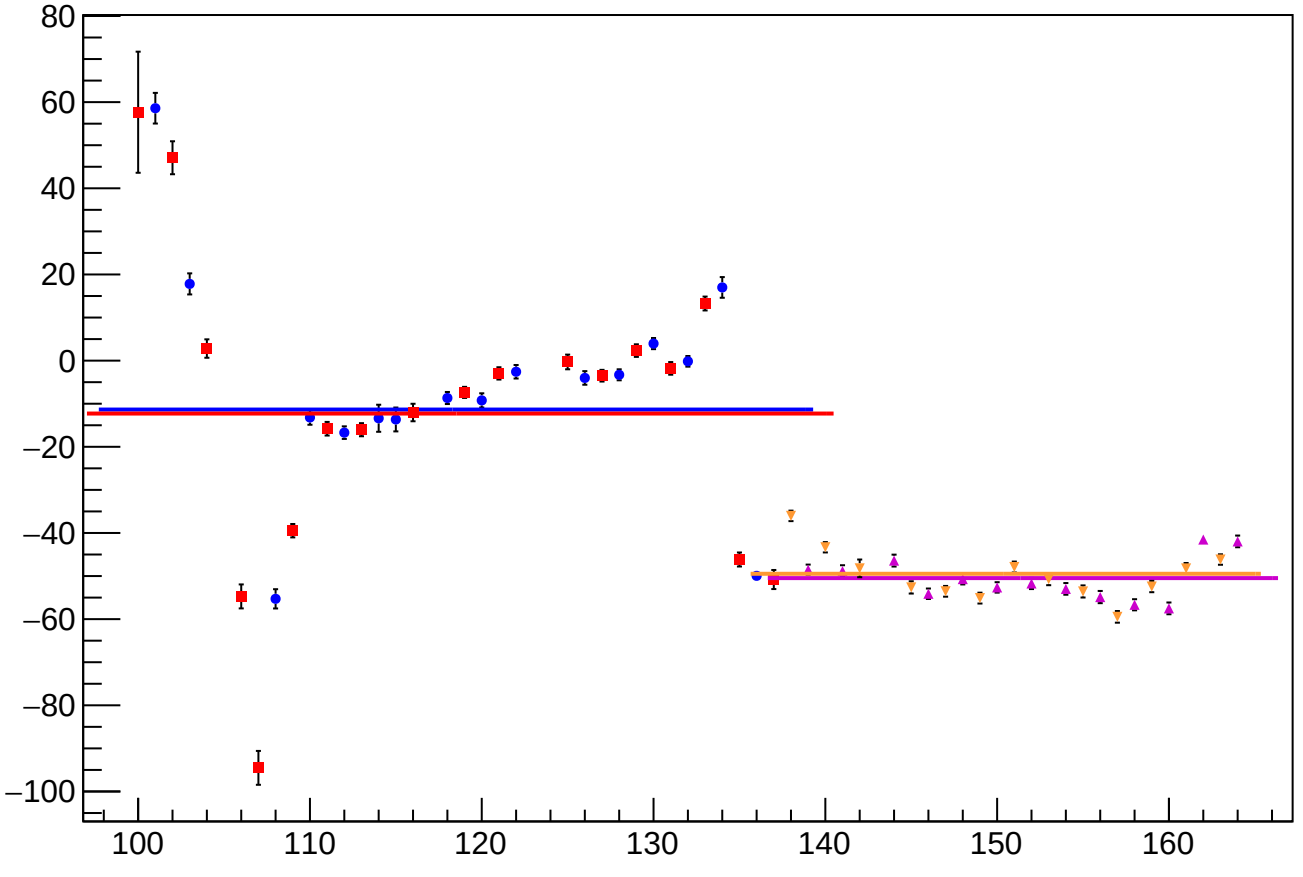
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -1.468+/-0.208 χ^2/NDF:429.6/28

Out: -1.132+/-0.210 χ^2/NDF:378.7/30

All: -1.301+/-0.148 χ^2/NDF: 809.5/59

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: -49.473+/-0.366 χ^2/NDF:263.0/12

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -50.475+/-0.357 χ^2/NDF:189.1/12

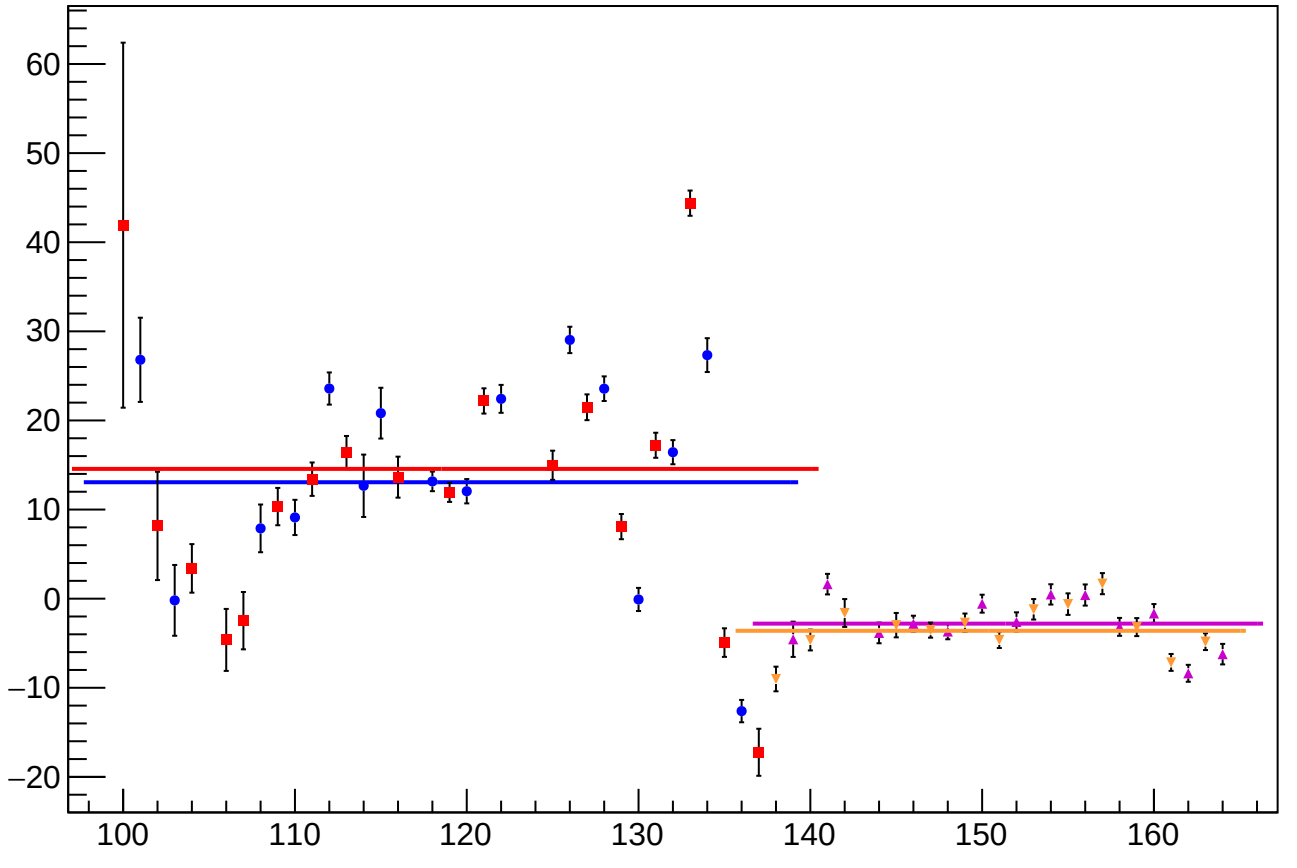
Left: -49.987+/-0.255 χ^2/NDF: 456.0/25

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -33.423+/-0.268 χ^2/NDF:8096.5/28

Out: -33.108+/-0.274 χ^2/NDF:7391.3/30

All: -33.269+/-0.192 χ^2/NDF: 15488.5/59



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.605+/-0.300 χ^2/NDF:66.3/12

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.801+/-0.297 χ^2/NDF:82.6/12

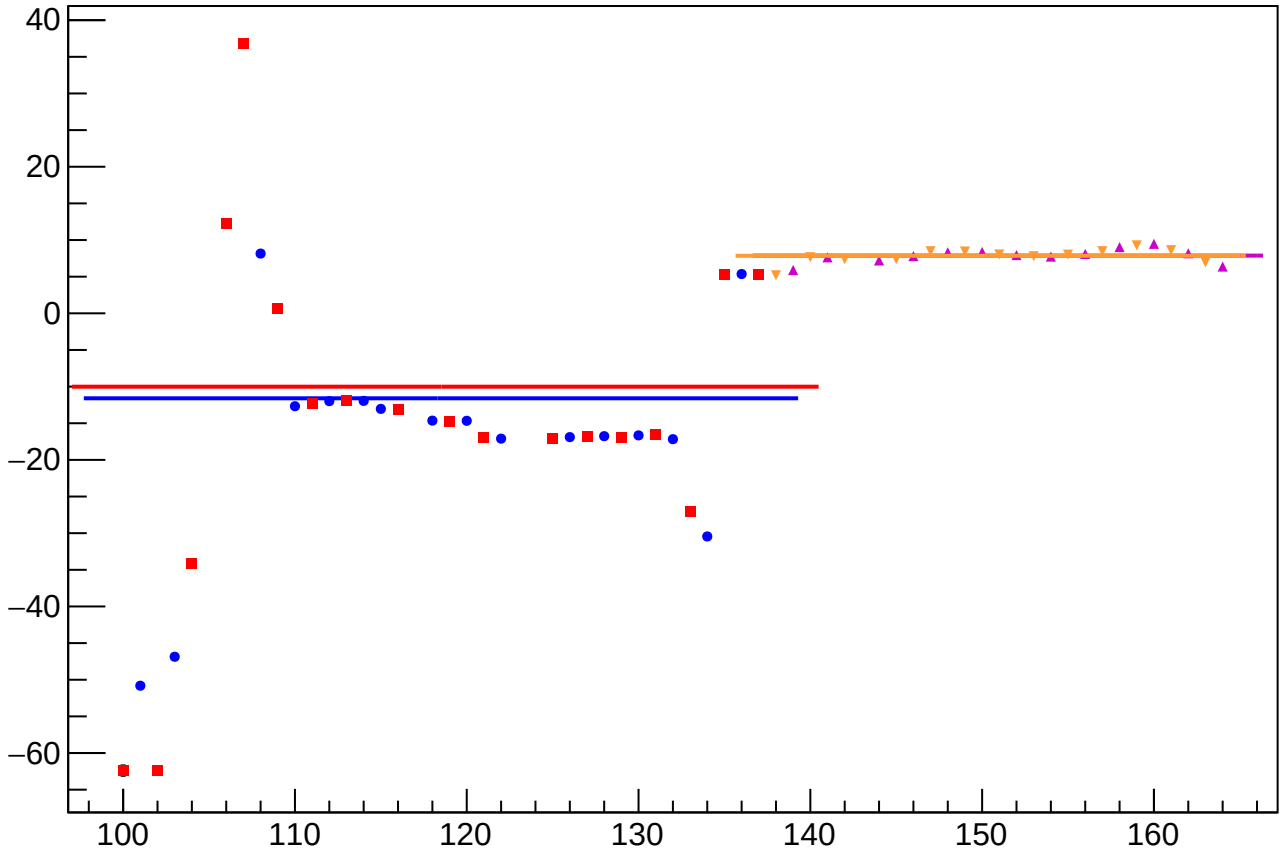
Left: -3.199+/-0.211 χ^2/NDF: 152.5/25

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 2.569+/-0.241 χ^2/NDF:1914.3/28

Out: 2.477+/-0.244 χ^2/NDF:2199.5/30

All: 2.524+/-0.172 χ^2/NDF: 4113.9/59



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.854+/-0.014 χ^2/NDF:5361.9/12

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.876+/-0.013 χ^2/NDF:5138.4/12

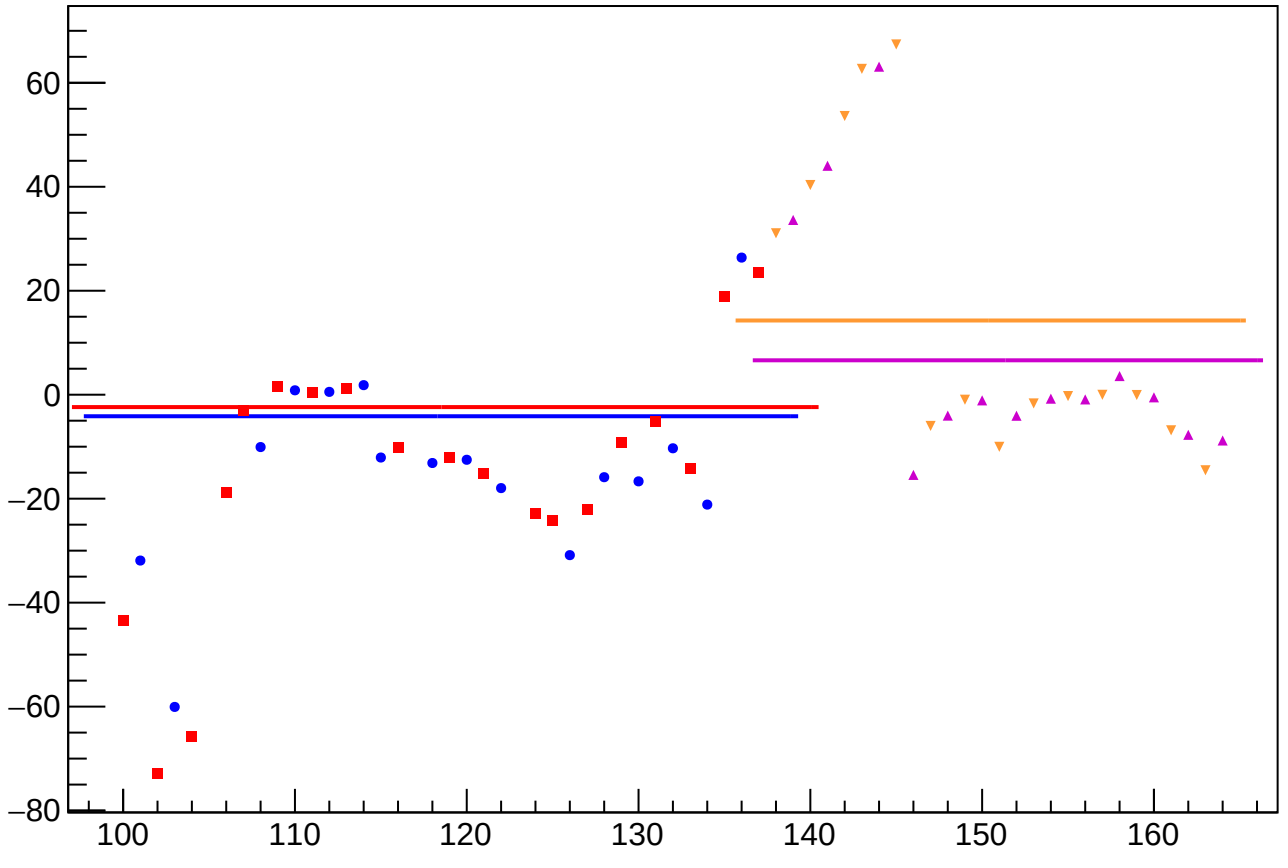
Left: 7.866+/-0.010 χ^2/NDF: 10501.5/25

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 3.885+/-0.012 χ^2/NDF:801146.8/28

Out: 4.259+/-0.012 χ^2/NDF:740146.3/30

All: 4.066+/-0.009 χ^2/NDF: 1541769.7/59



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 14.275+/-0.070 χ^2/NDF:130897.8/13

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 6.617+/-0.059 χ^2/NDF:114731.5/12

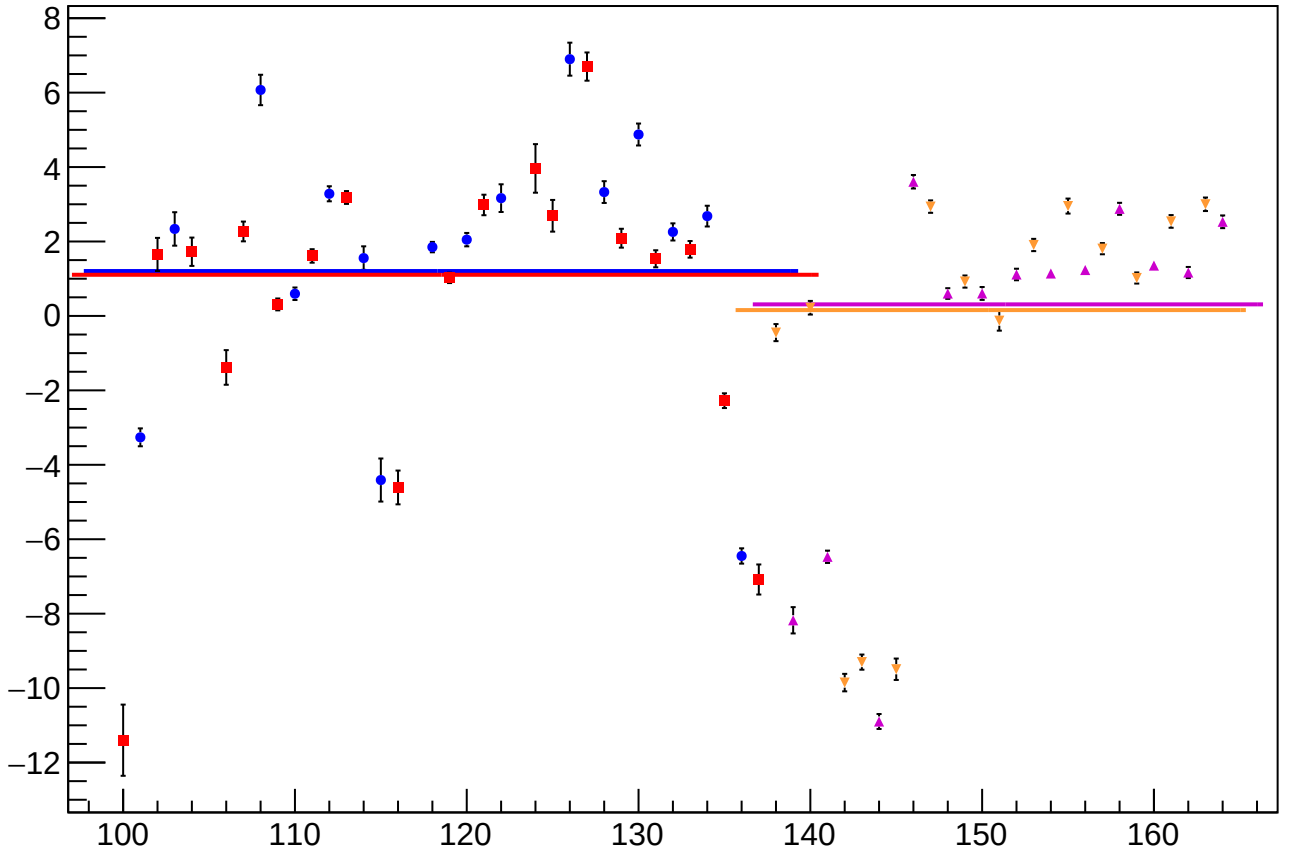
Left: 9.791+/-0.045 χ^2/NDF: 252614.5/26

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 0.829+/-0.040 χ^2/NDF:207897.3/28

Out: 2.650+/-0.039 χ^2/NDF:251029.8/32

All: 1.776+/-0.028 χ^2/NDF: 459999.8/61



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.157+/-0.050 χ^2/NDF:6304.6/13

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.311+/-0.041 χ^2/NDF:6380.0/12

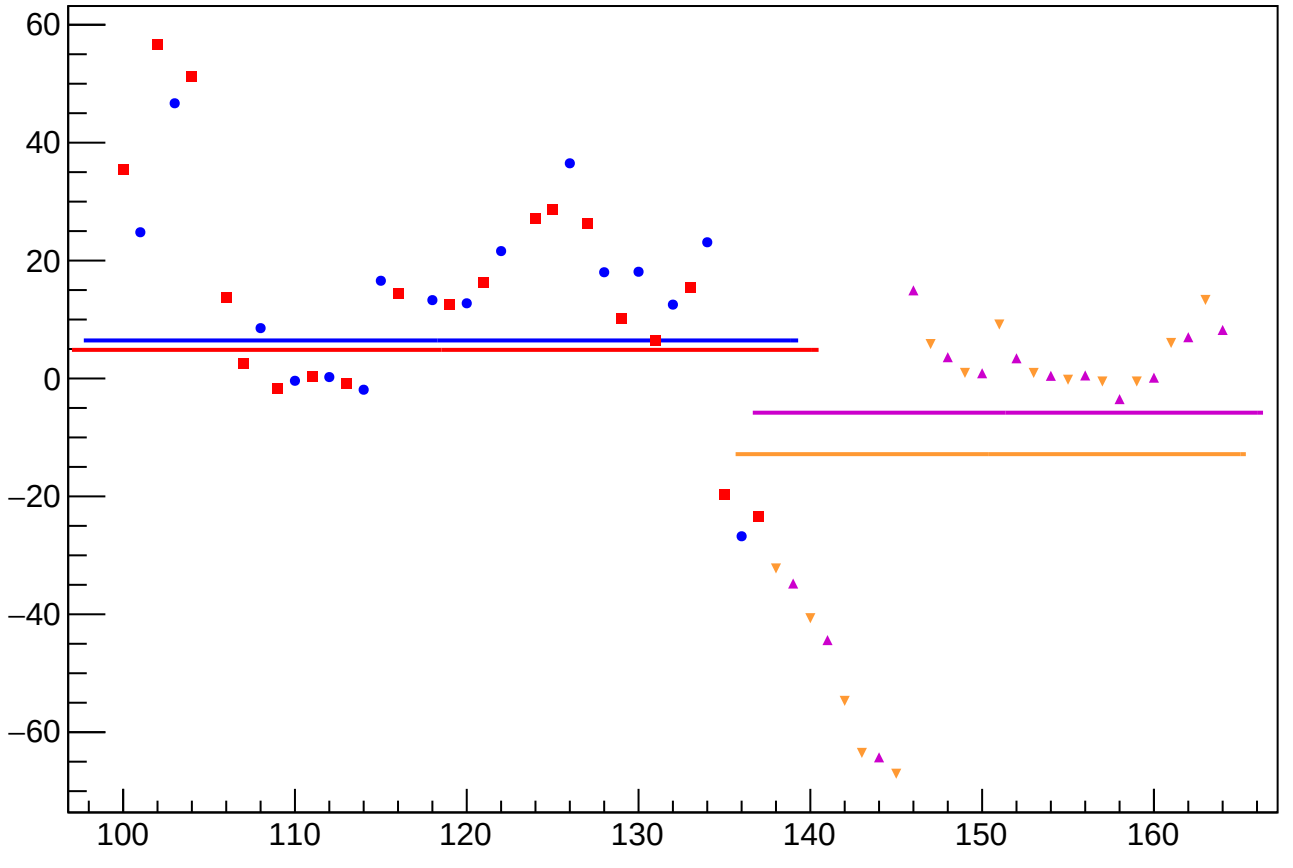
Left: 0.248+/-0.032 χ^2/NDF: 12690.2/26

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.597+/-0.034 χ^2/NDF:9113.6/28

Out: 0.565+/-0.038 χ^2/NDF:8048.6/32

All: 0.583+/-0.025 χ^2/NDF: 17162.6/61



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -12.835+/-0.068 χ^2/NDF:130324.2/13

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -5.802+/-0.056 χ^2/NDF:113500.5/12

Left: -8.670+/-0.043 χ^2/NDF: 250188.7/26

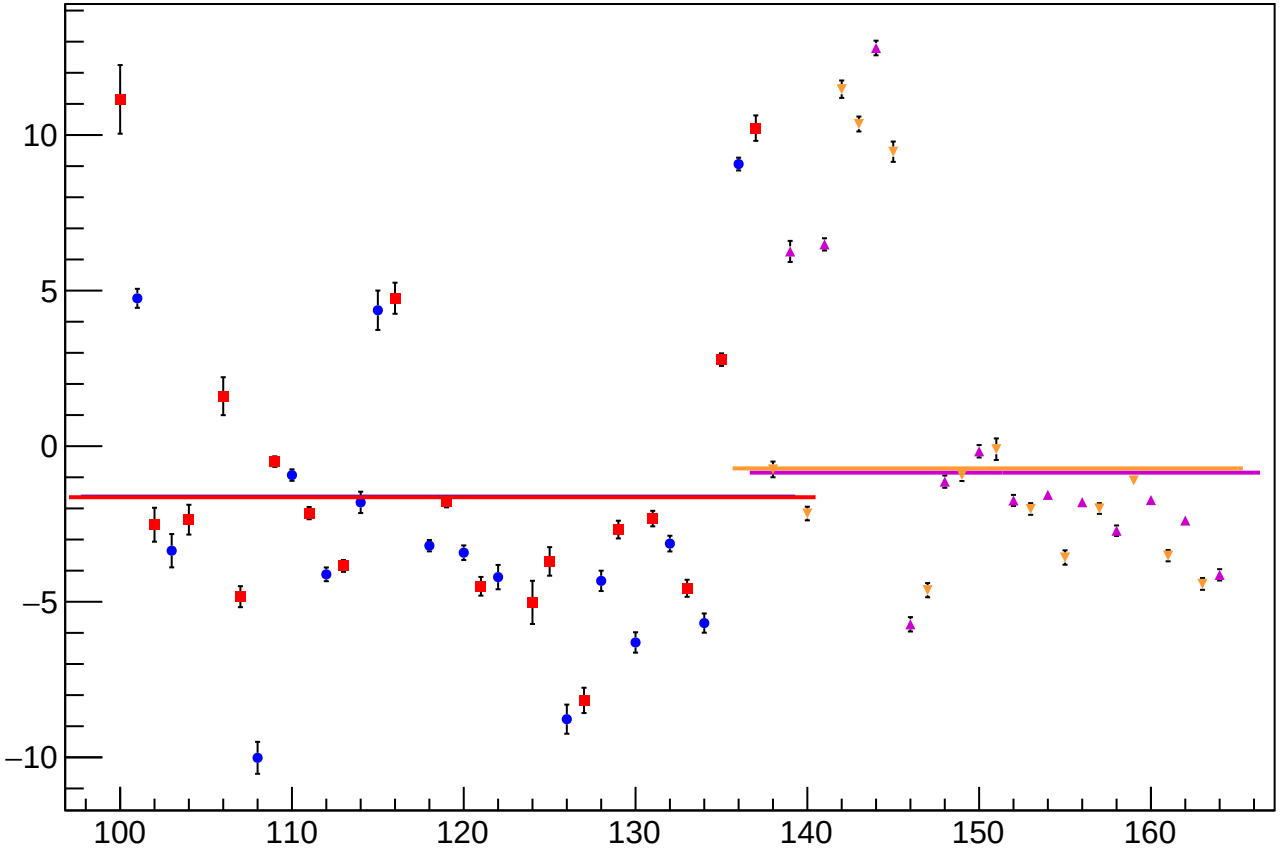
Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -0.570+/-0.043 χ^2/NDF:204409.3/28

Out: -2.786+/-0.045 χ^2/NDF:244208.2/32

All: -1.627+/-0.031 χ^2/NDF: 449908.4/61

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -0.714+/-0.057 χ^2/NDF:6226.1/13

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -0.851+/-0.047 χ^2/NDF:6359.5/12

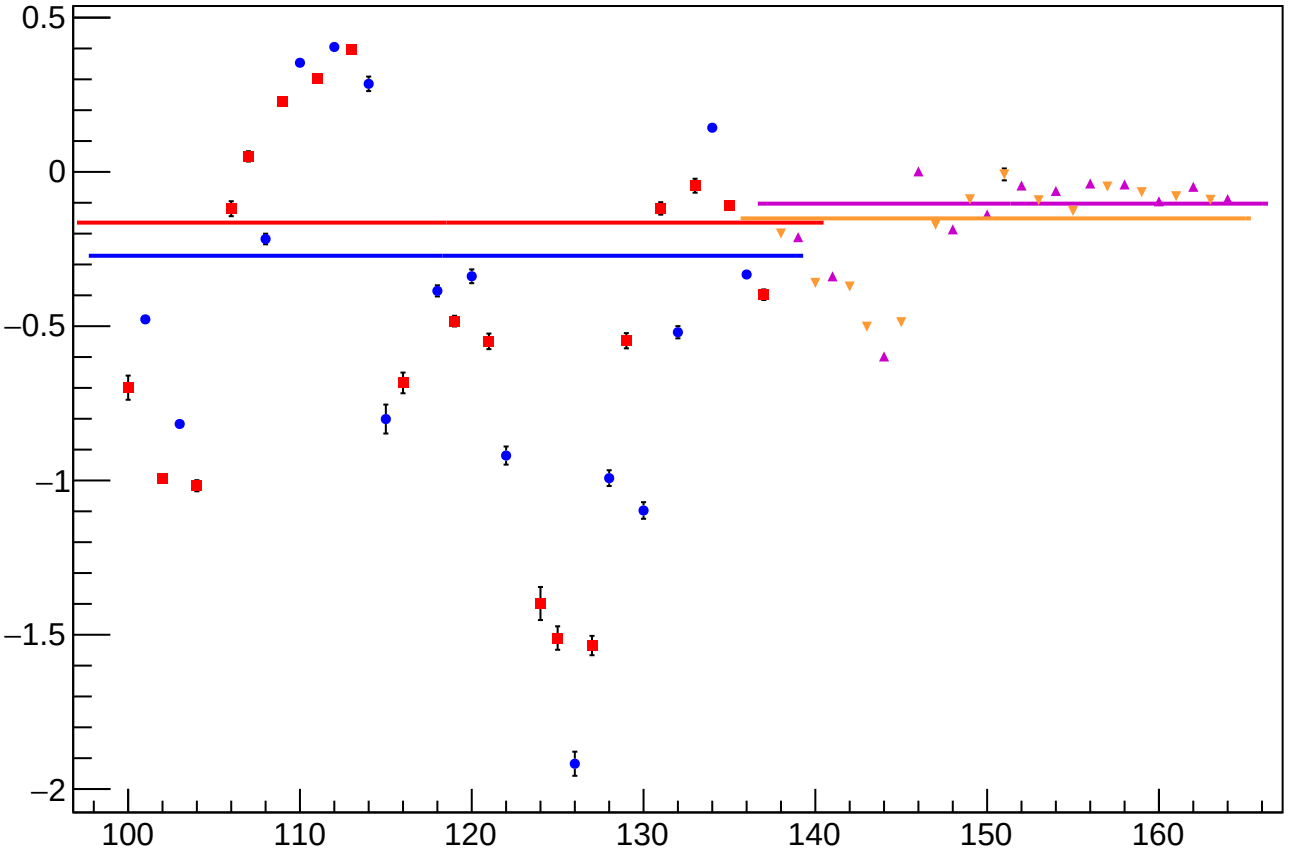
Left: -0.795+/-0.036 χ^2/NDF: 12589.0/26

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.093+/-0.039 χ^2/NDF:10968.9/28

Out: -1.119+/-0.043 χ^2/NDF:8804.0/32

All: -1.105+/-0.029 χ^2/NDF: 19773.1/61



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.151+/-0.003 χ^2/NDF:2850.9/13

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.103+/-0.002 χ^2/NDF:2989.9/12

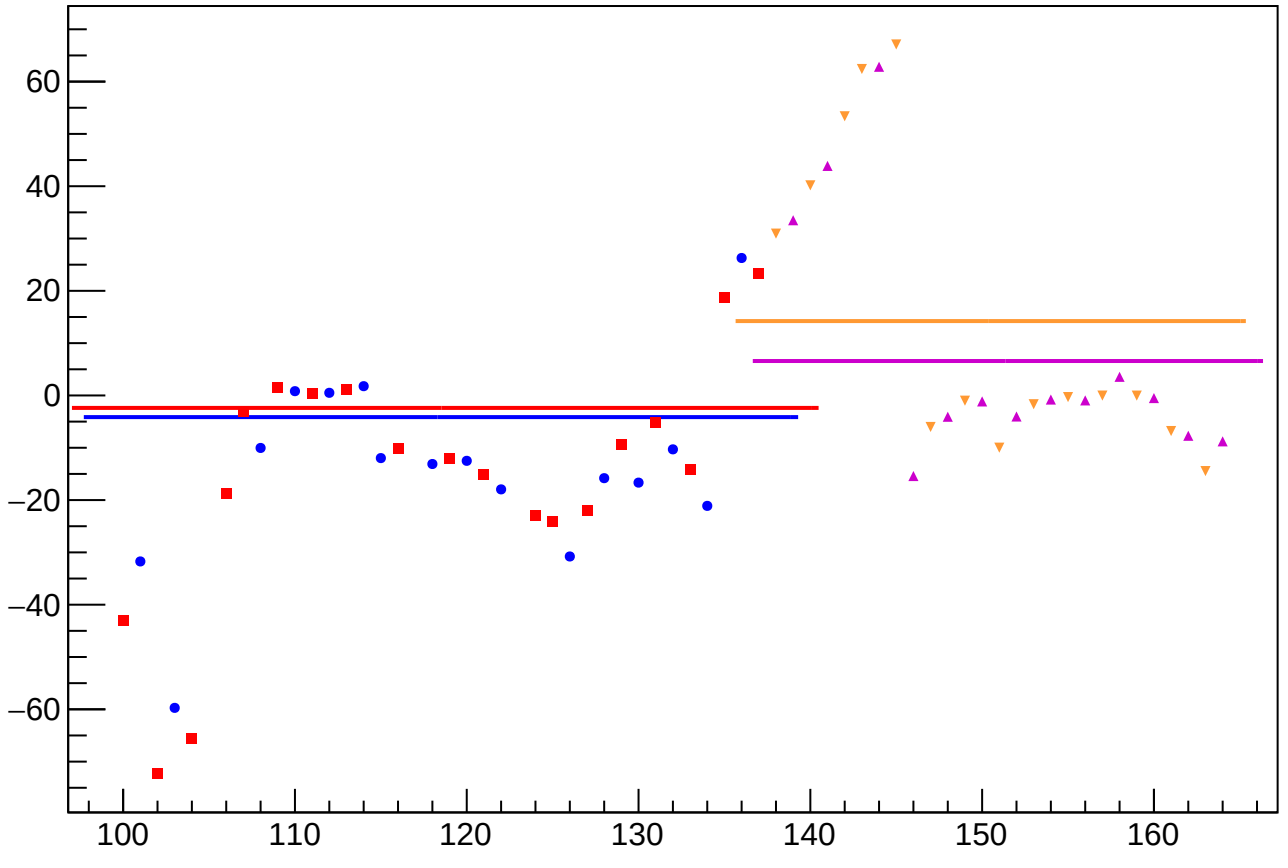
Left: -0.122+/-0.002 χ^2/NDF: 6062.0/26

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.135+/-0.002 χ^2/NDF:16376.1/28

Out: -0.155+/-0.002 χ^2/NDF:18356.9/32

All: -0.144+/-0.001 χ^2/NDF: 34784.1/61



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 14.218+/-0.070 χ^2/NDF:130650.2/13

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 6.584+/-0.059 χ^2/NDF:114616.9/12

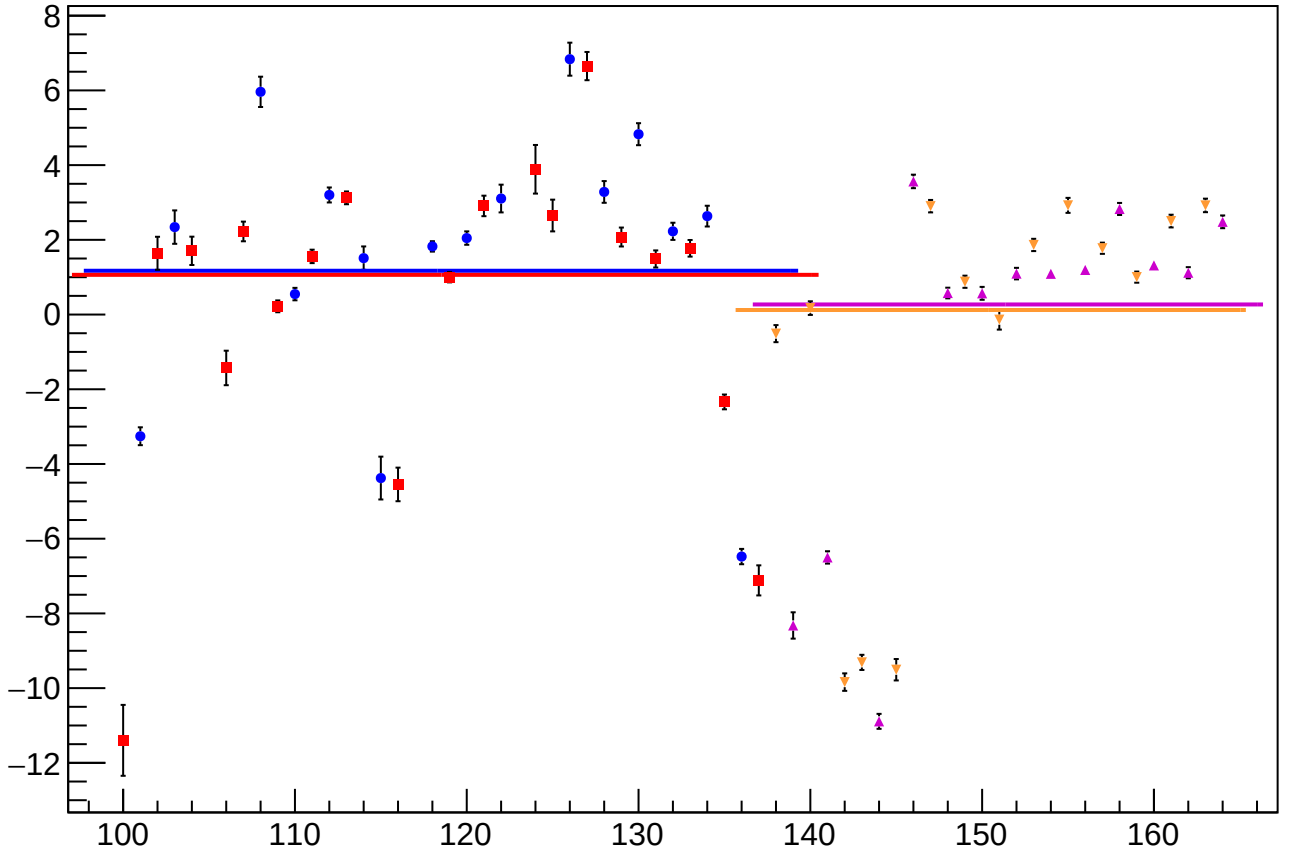
Left: 9.750+/-0.045 χ^2/NDF: 252248.9/26

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 0.797+/-0.040 χ^2/NDF:207778.6/28

Out: 2.612+/-0.038 χ^2/NDF:250749.3/32

All: 1.741+/-0.028 χ^2/NDF: 459603.0/61



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.122+/-0.050 χ^2/NDF:6306.4/13

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.270+/-0.041 χ^2/NDF:6397.2/12

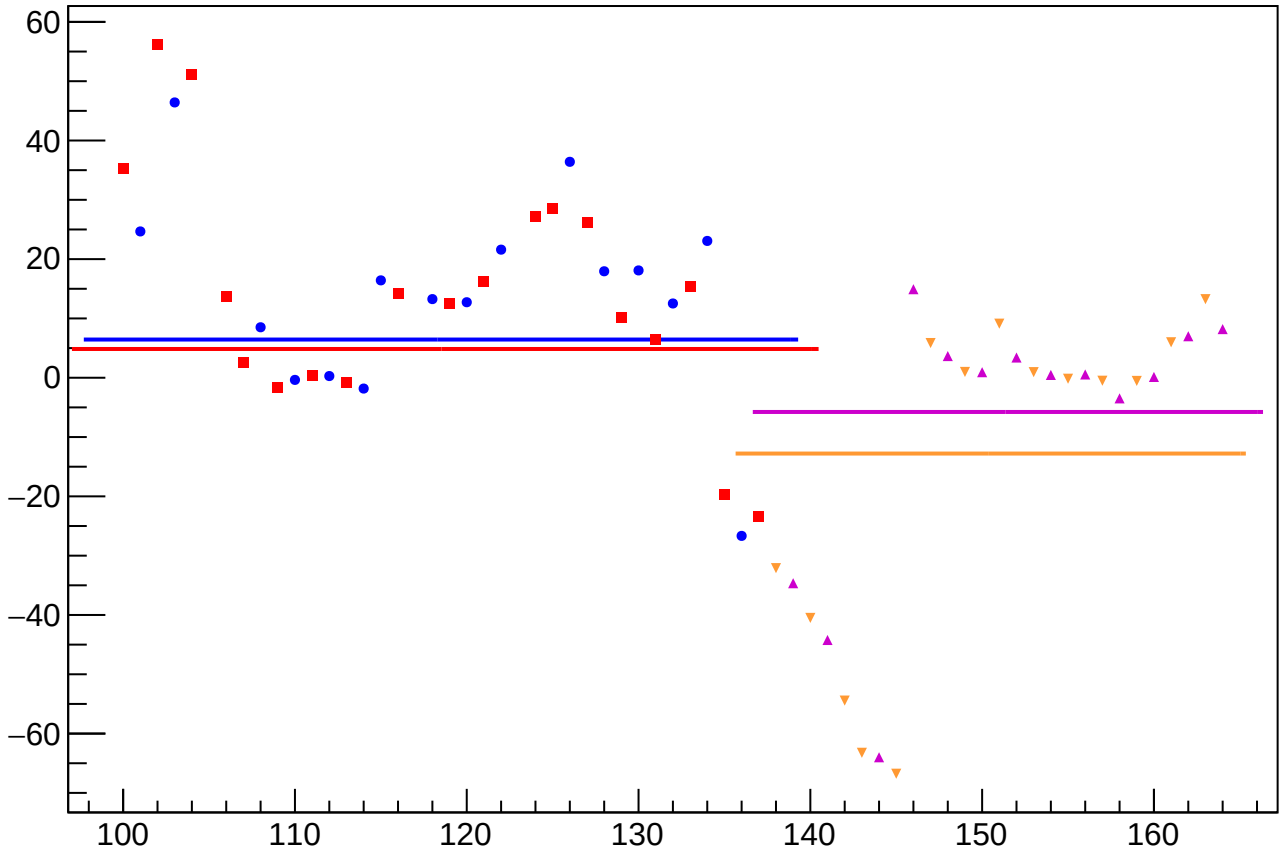
Left: 0.209+/-0.032 χ^2/NDF: 12708.9/26

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.560+/-0.034 χ^2/NDF:9134.5/28

Out: 0.527+/-0.037 χ^2/NDF:8058.4/32

All: 0.545+/-0.025 χ^2/NDF: 17193.3/61



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -12.782+/-0.068 χ^2/NDF:130080.7/13

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -5.771+/-0.056 χ^2/NDF:113384.4/12

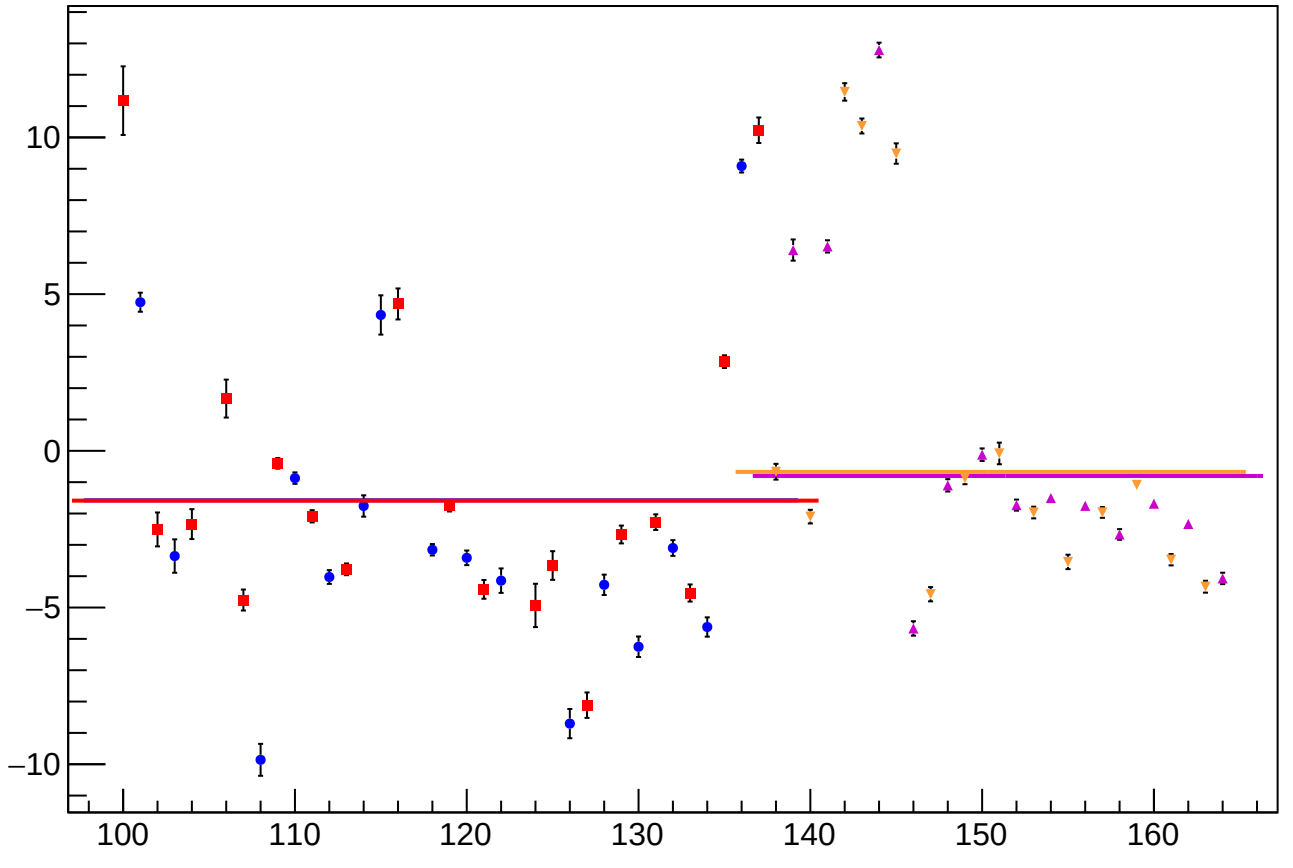
Left: -8.632+/-0.043 χ^2/NDF: 249827.8/26

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -0.538+/-0.042 χ^2/NDF:204281.7/28

Out: -2.745+/-0.044 χ^2/NDF:243931.0/32

All: -1.592+/-0.031 χ^2/NDF: 449503.7/61



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -0.671+/-0.057 χ^2/NDF:6220.8/13

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -0.802+/-0.047 χ^2/NDF:6374.3/12

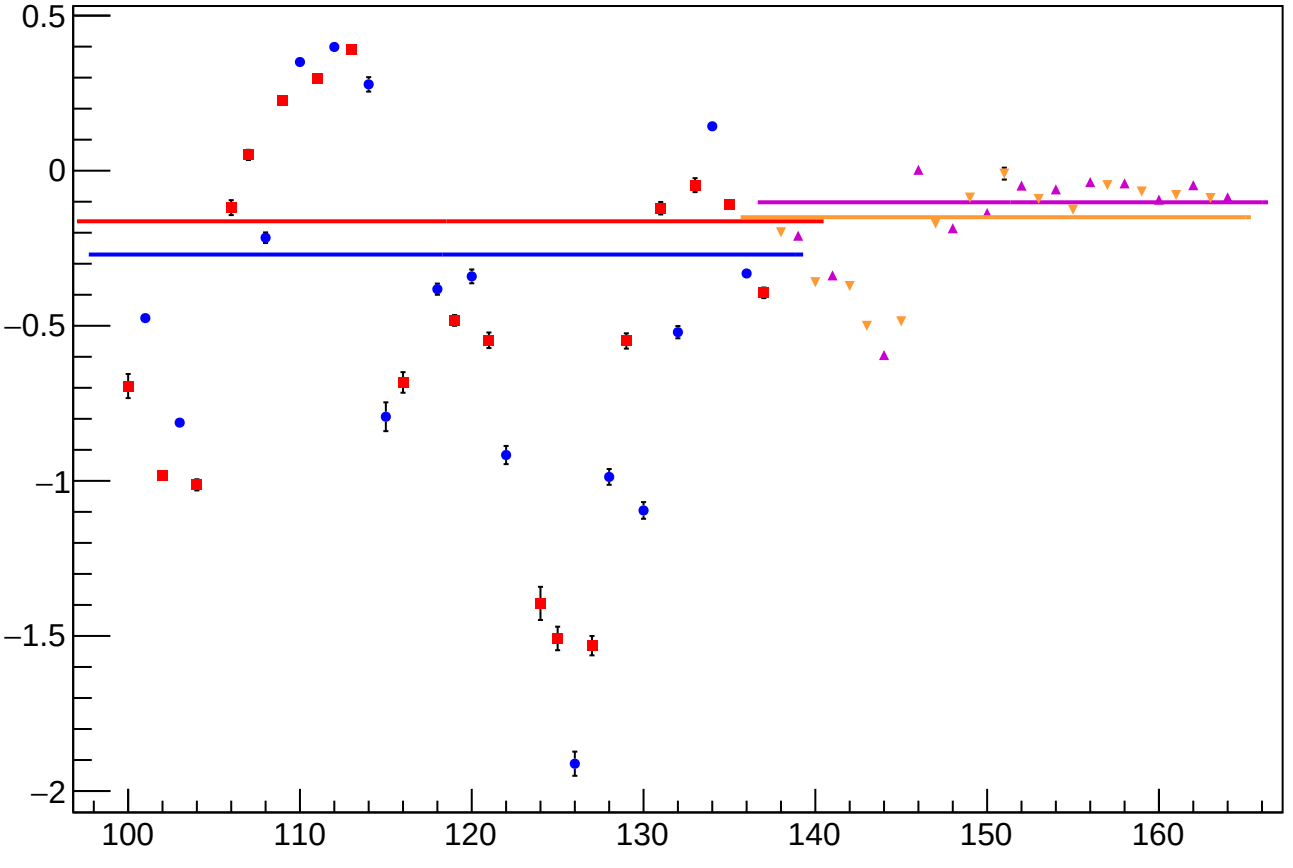
Left: -0.749+/-0.036 χ^2/NDF: 12598.3/26

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.048+/-0.039 χ^2/NDF:10985.0/28

Out: -1.074+/-0.043 χ^2/NDF:8807.7/32

All: -1.059+/-0.029 χ^2/NDF: 19792.9/61



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.150+/-0.002 χ^2/NDF:2863.6/13

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.102+/-0.002 χ^2/NDF:2979.8/12

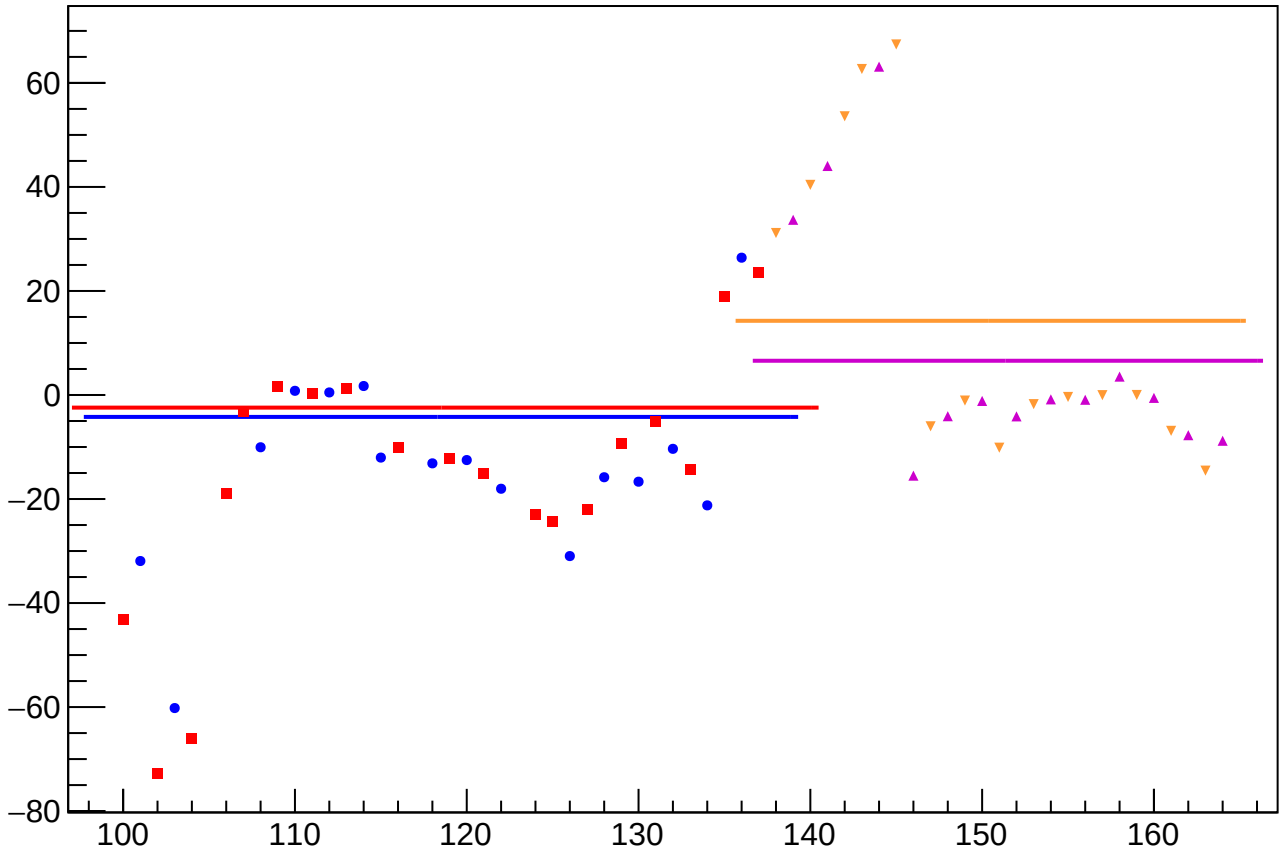
Left: -0.121+/-0.002 χ^2/NDF: 6068.4/26

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.134+/-0.002 χ^2/NDF:16358.3/28

Out: -0.154+/-0.002 χ^2/NDF:18382.1/32

All: -0.143+/-0.001 χ^2/NDF: 34792.2/61



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 14.263+/-0.070 χ^2/NDF:130978.8/13

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 6.581+/-0.059 χ^2/NDF:114765.1/12

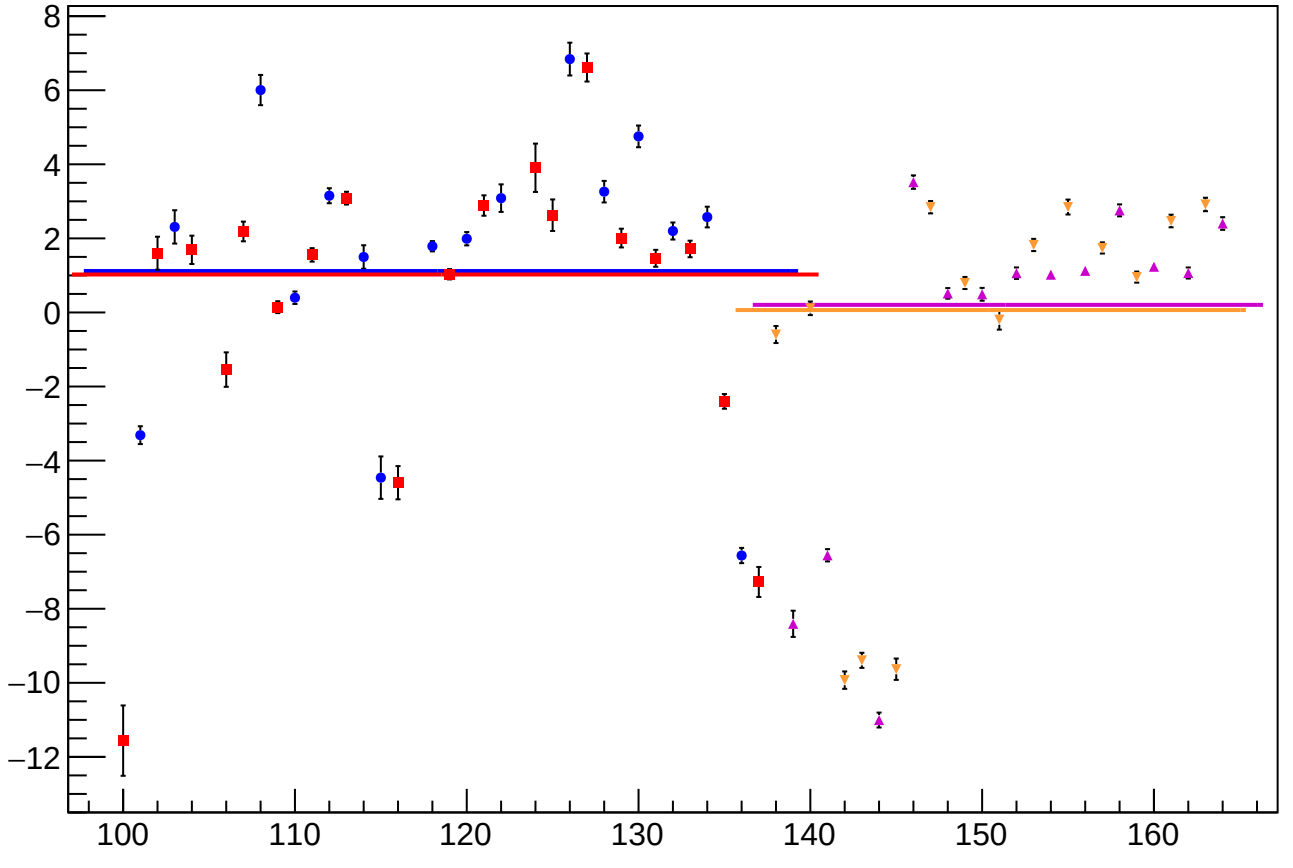
Left: 9.764+/-0.045 χ^2/NDF: 252757.0/26

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 0.773+/-0.040 χ^2/NDF:207969.7/28

Out: 2.615+/-0.039 χ^2/NDF:251161.7/32

All: 1.730+/-0.028 χ^2/NDF: 460225.6/61



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.065+/-0.050 χ^2/NDF:6312.0/13

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.205+/-0.042 χ^2/NDF:6370.8/12

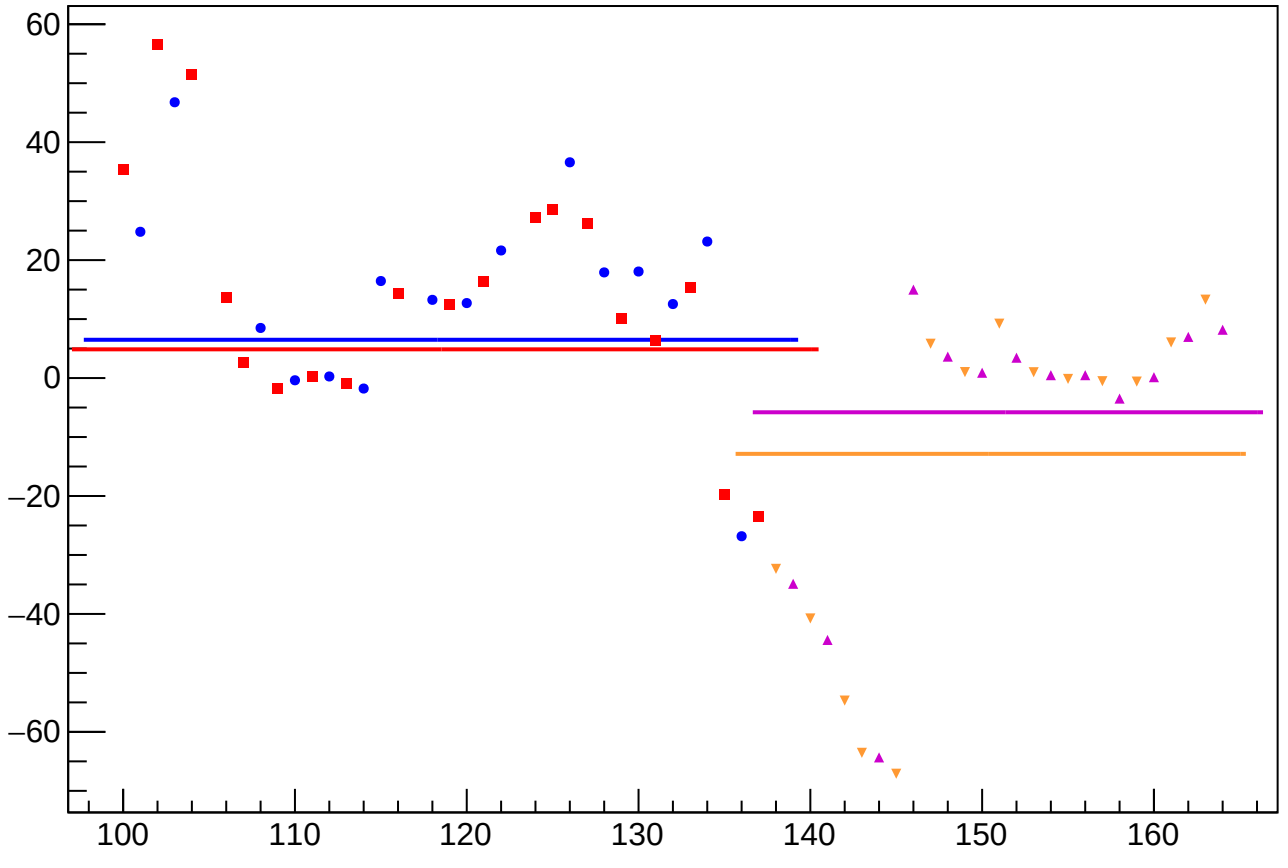
Left: 0.147+/-0.032 χ^2/NDF: 12687.5/26

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.498+/-0.034 χ^2/NDF:9117.6/28

Out: 0.478+/-0.038 χ^2/NDF:8084.3/32

All: 0.489+/-0.025 χ^2/NDF: 17202.0/61



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -12.854+/-0.068 χ^2/NDF:130421.8/13

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -5.802+/-0.056 χ^2/NDF:113535.2/12

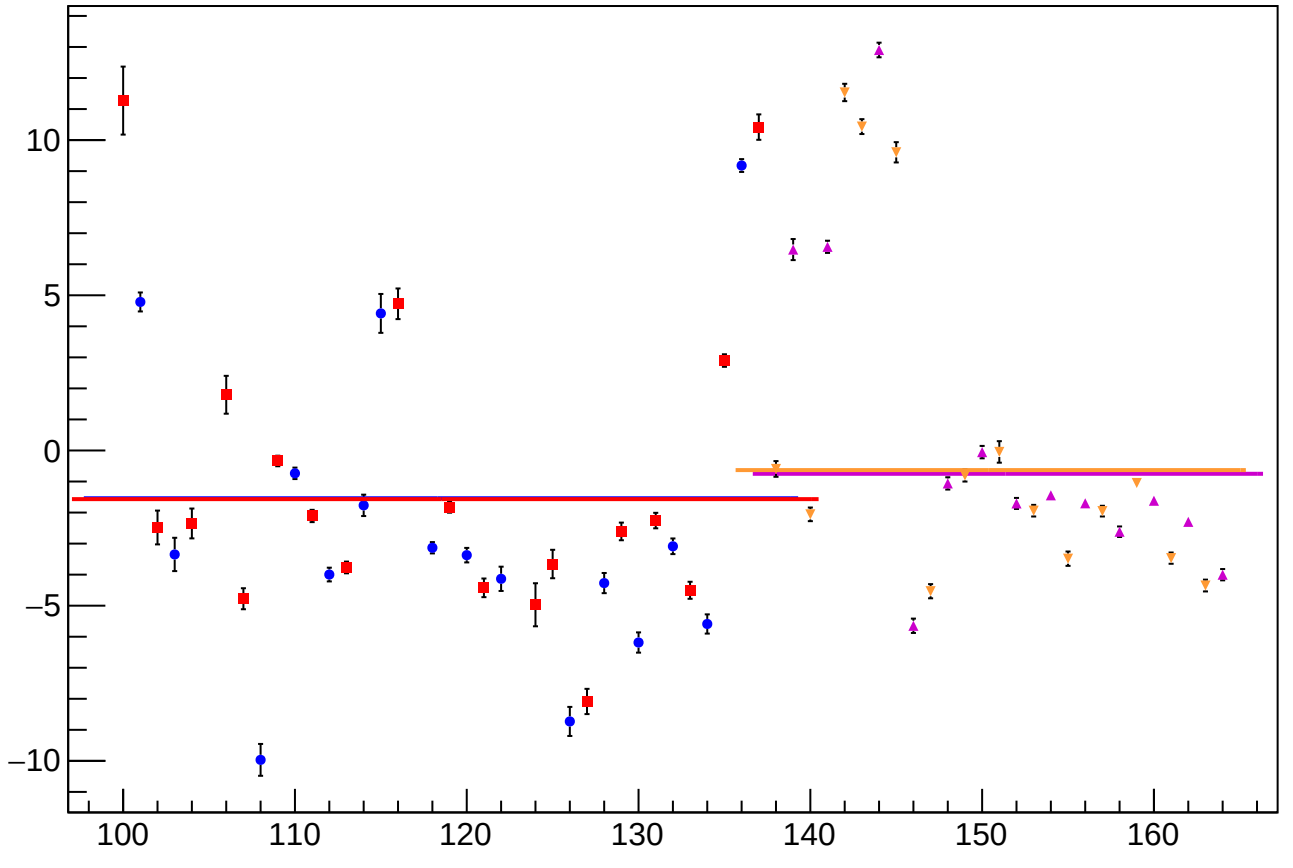
Left: -8.677+/-0.043 χ^2/NDF: 250342.3/26

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -0.549+/-0.043 χ^2/NDF:204506.9/28

Out: -2.783+/-0.045 χ^2/NDF:244384.3/32

All: -1.615+/-0.031 χ^2/NDF: 450201.0/61



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -0.632+/-0.057 χ^2/NDF:6231.8/13

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -0.751+/-0.047 χ^2/NDF:6354.4/12

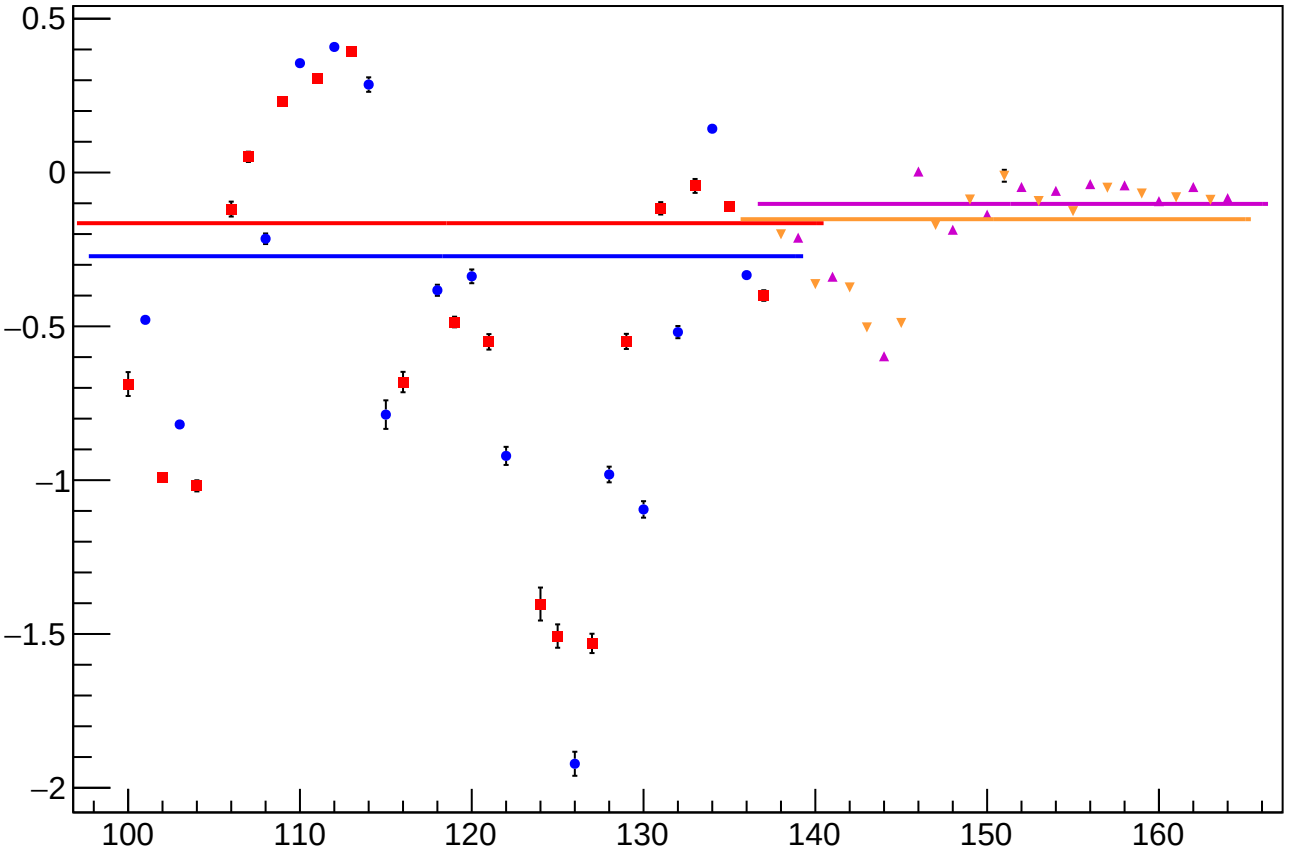
Left: -0.703+/-0.036 χ^2/NDF: 12588.8/26

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -0.999+/-0.039 χ^2/NDF:10978.4/28

Out: -1.041+/-0.043 χ^2/NDF:8846.7/32

All: -1.019+/-0.029 χ^2/NDF: 19825.6/61



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.152+/-0.003 χ^2/NDF:2862.0/13

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.102+/-0.002 χ^2/NDF:2987.4/12

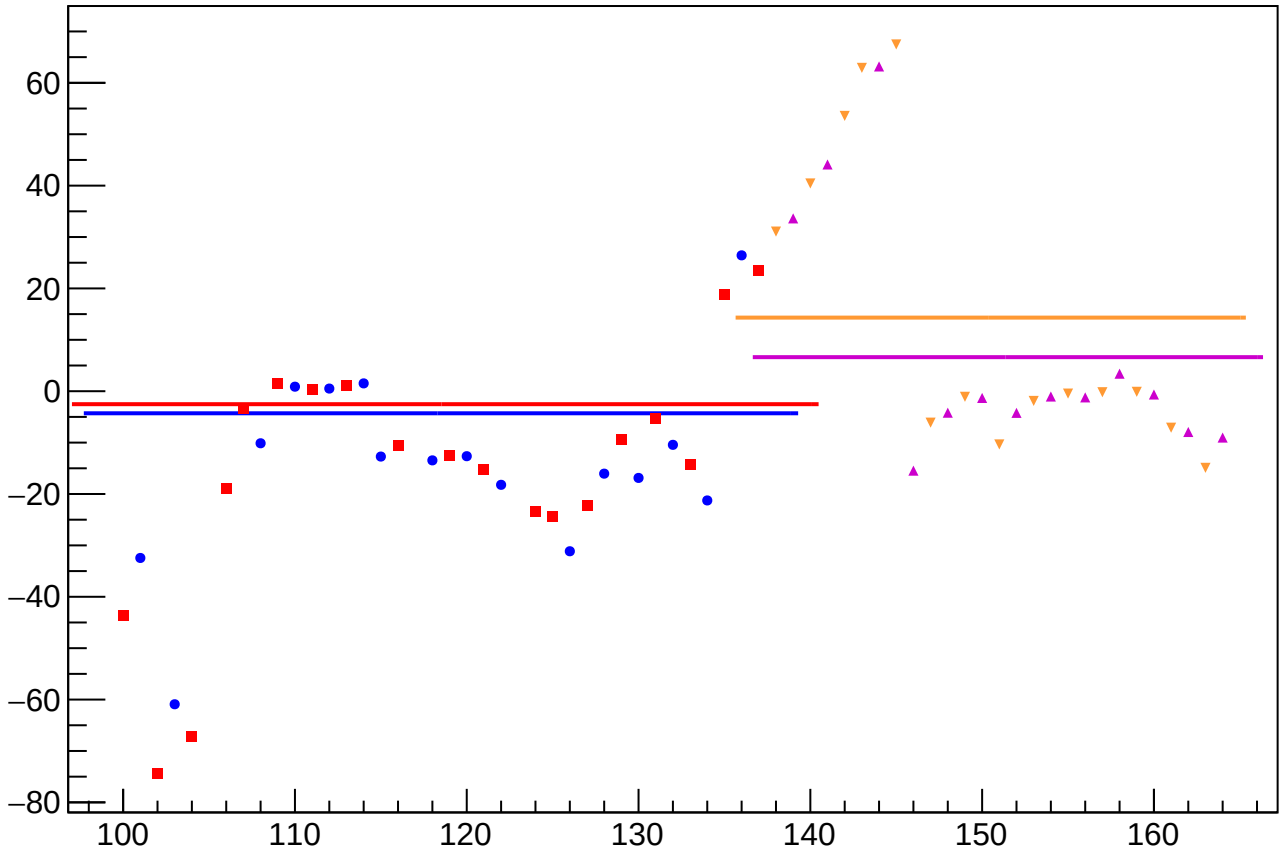
Left: -0.122+/-0.002 χ^2/NDF: 6088.0/26

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.134+/-0.002 χ^2/NDF:16405.5/28

Out: -0.156+/-0.002 χ^2/NDF:18360.6/32

All: -0.144+/-0.001 χ^2/NDF: 34824.8/61



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 14.321+/-0.071 χ^2/NDF:129221.8/13

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 6.625+/-0.060 χ^2/NDF:112923.0/12

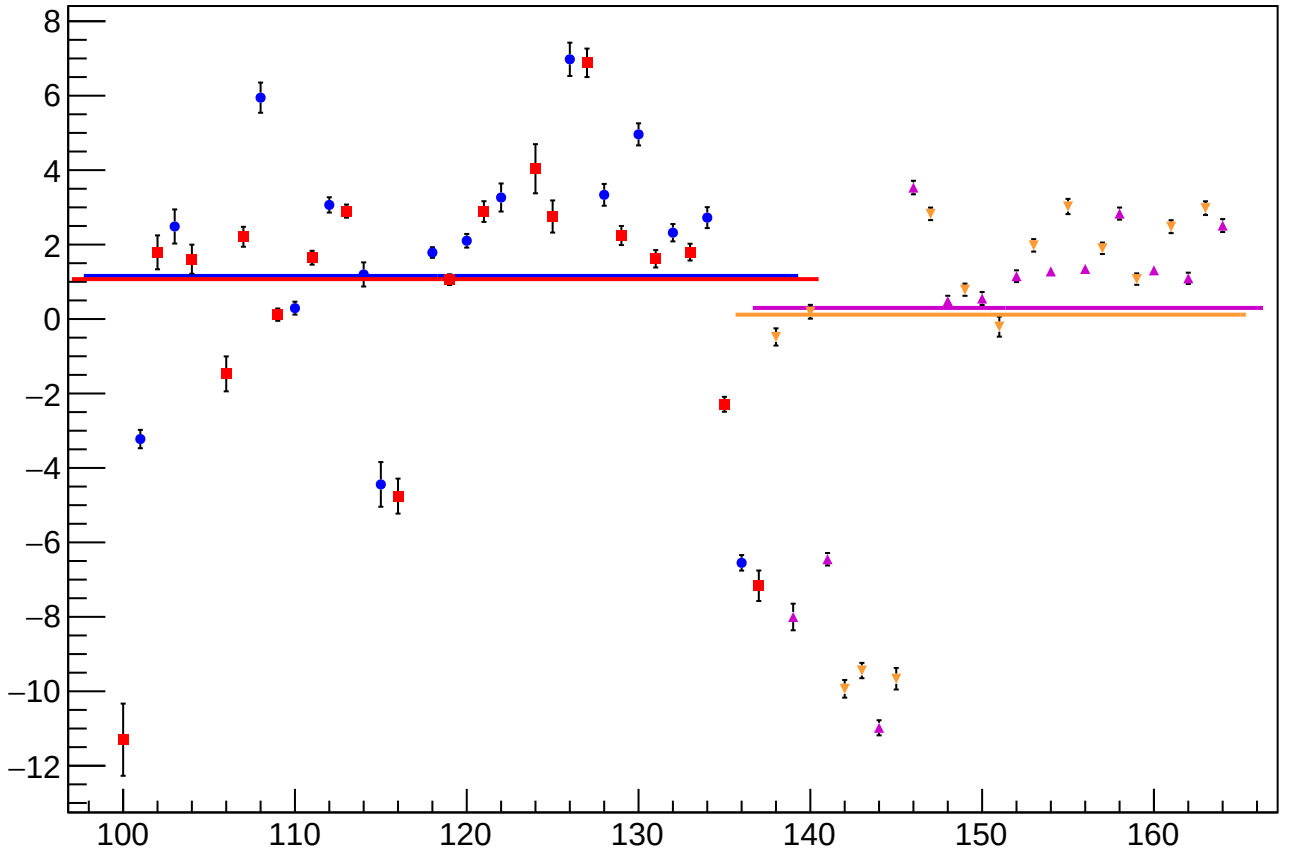
Left: 9.841+/-0.046 χ^2/NDF: 248956.7/26

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 0.738+/-0.041 χ^2/NDF:204839.9/28

Out: 2.629+/-0.039 χ^2/NDF:248021.4/32

All: 1.721+/-0.028 χ^2/NDF: 453970.1/61



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.117+/-0.050 χ^2/NDF:6296.3/13

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.299+/-0.042 χ^2/NDF:6247.3/12

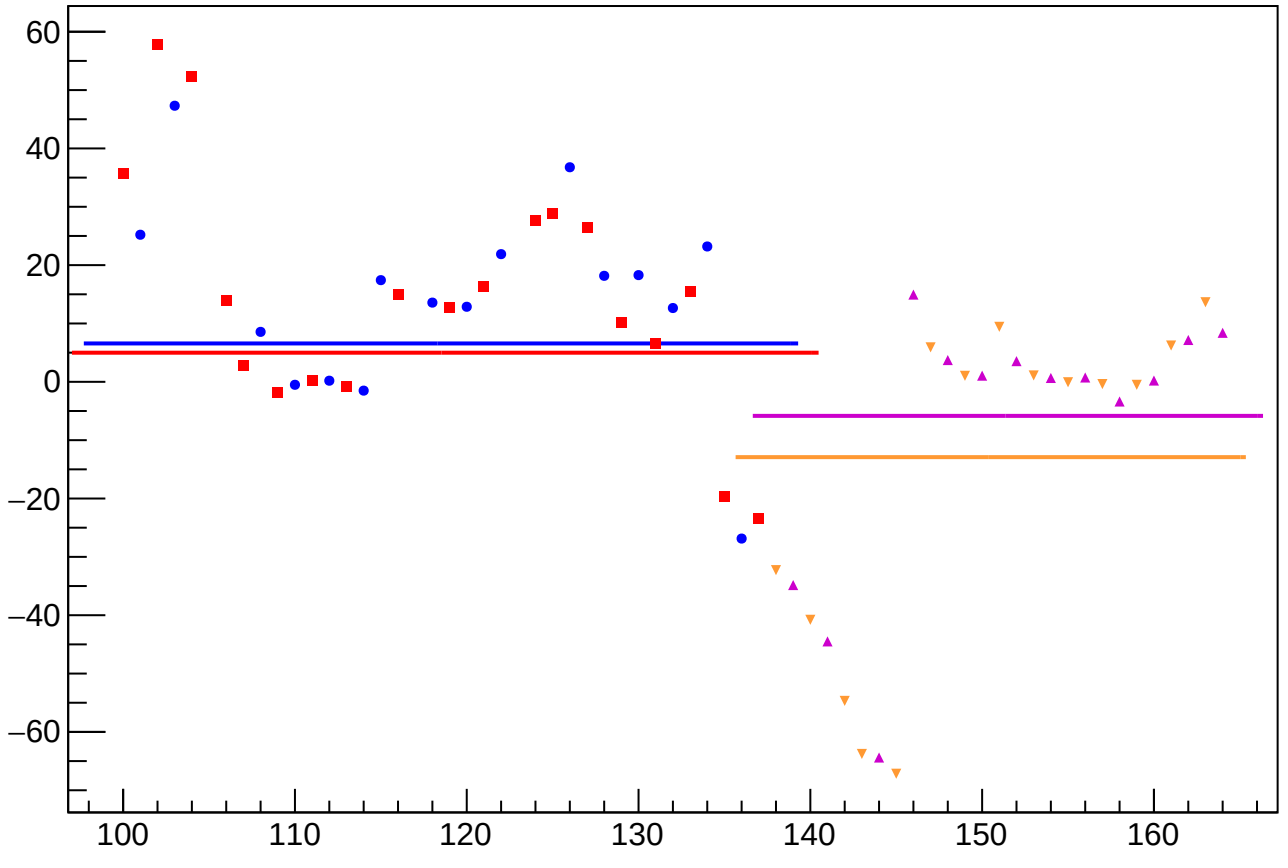
Left: 0.224+/-0.032 χ^2/NDF: 12551.2/26

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.576+/-0.035 χ^2/NDF:8929.3/28

Out: 0.525+/-0.038 χ^2/NDF:8001.0/32

All: 0.553+/-0.026 χ^2/NDF: 16931.3/61



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -12.908+/-0.069 χ^2/NDF:128641.8/13

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -5.835+/-0.058 χ^2/NDF:111706.6/12

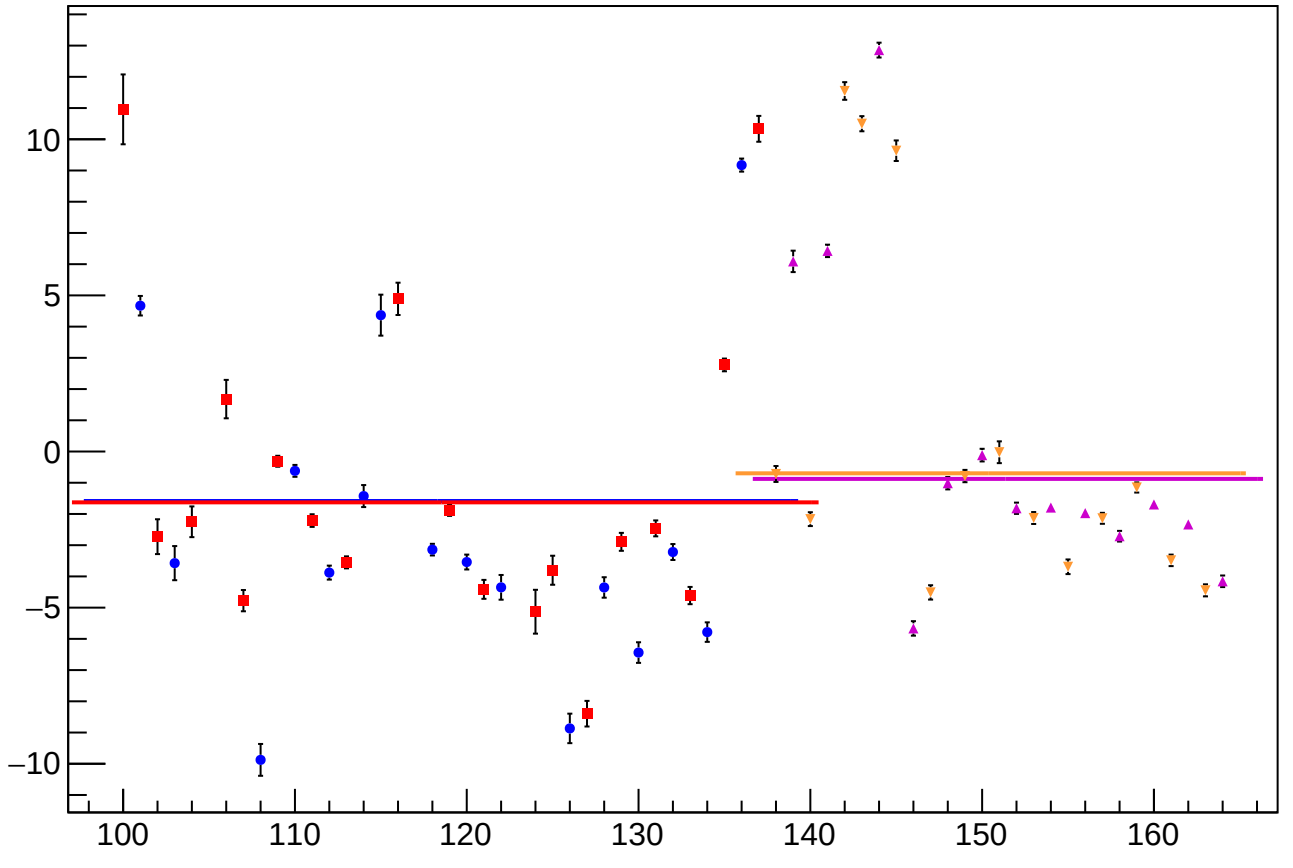
Left: -8.744+/-0.044 χ^2/NDF: 246561.5/26

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -0.510+/-0.043 χ^2/NDF:201395.7/28

Out: -2.794+/-0.045 χ^2/NDF:241284.0/32

All: -1.603+/-0.031 χ^2/NDF: 443999.7/61



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -0.698+/-0.058 χ^2/NDF:6218.3/13

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -0.877+/-0.048 χ^2/NDF:6234.9/12

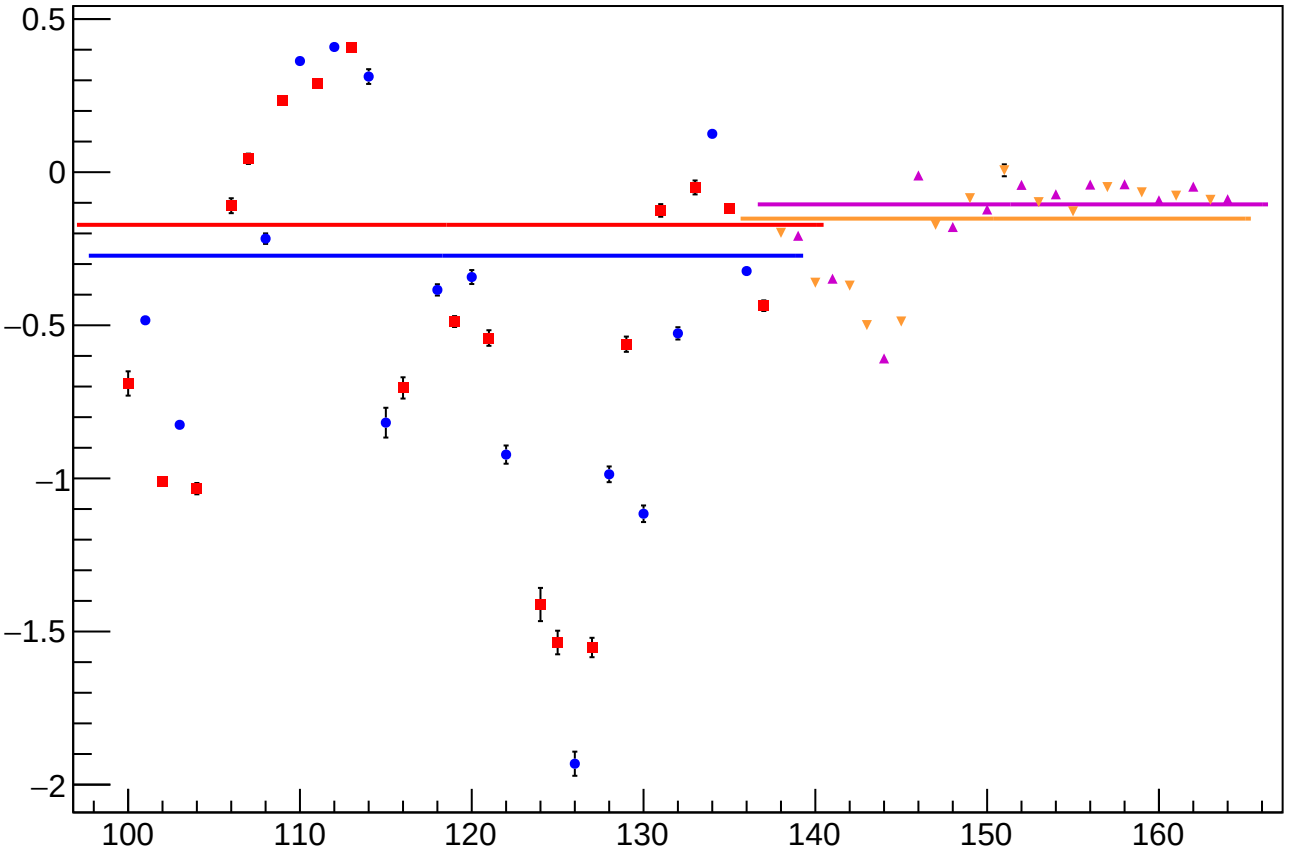
Left: -0.804+/-0.037 χ^2/NDF: 12458.8/26

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.101+/-0.040 χ^2/NDF:10776.0/28

Out: -1.103+/-0.043 χ^2/NDF:8753.2/32

All: -1.102+/-0.029 χ^2/NDF: 19529.2/61



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.152+/-0.003 χ^2/NDF:2777.0/13

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.105+/-0.002 χ^2/NDF:2945.4/12

Left: -0.124+/-0.002 χ^2/NDF: 5923.7/26

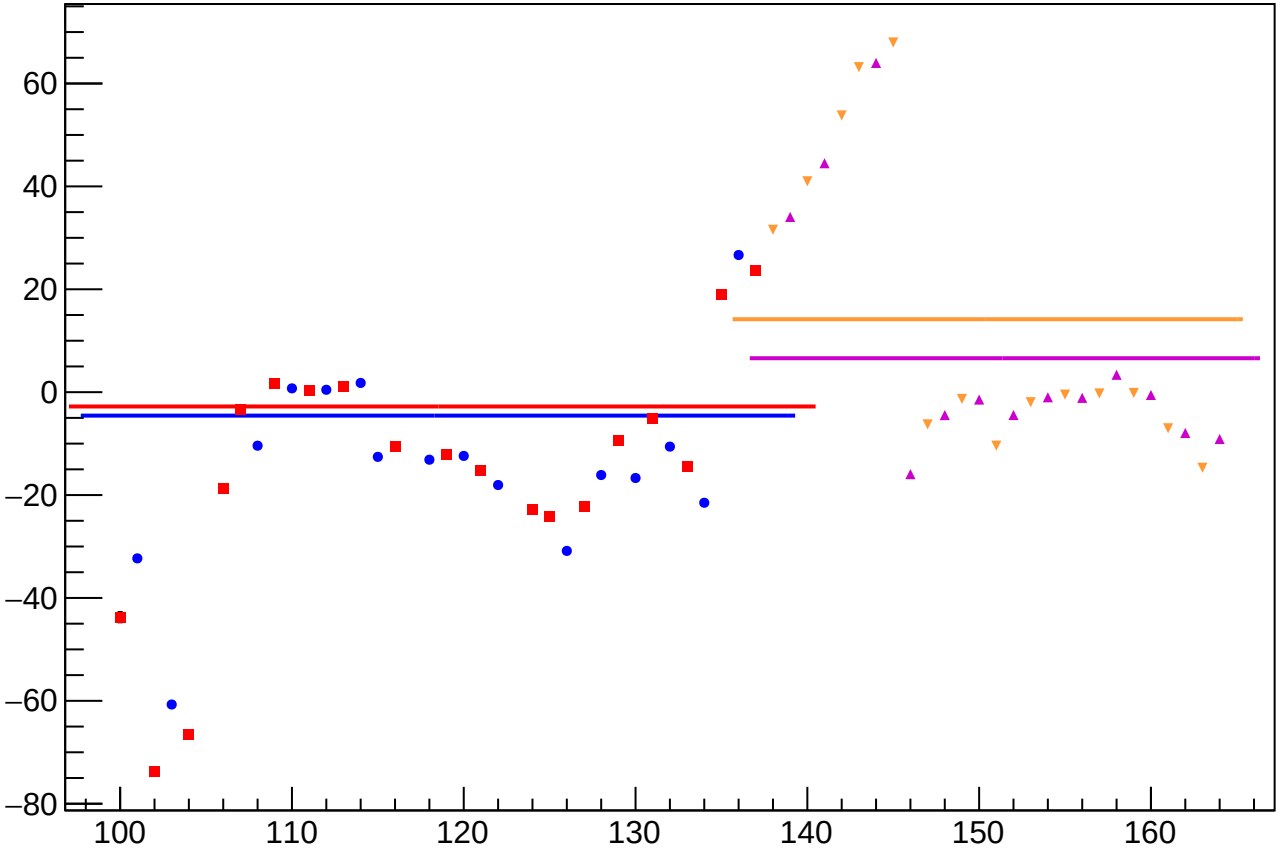
Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.137+/-0.002 χ^2/NDF:16072.7/28

Out: -0.158+/-0.002 χ^2/NDF:18118.5/32

All: -0.146+/-0.001 χ^2/NDF: 34243.1/61

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 14.180+/-0.072 χ^2/NDF:127845.1/13

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 6.597+/-0.061 χ^2/NDF:111659.6/12

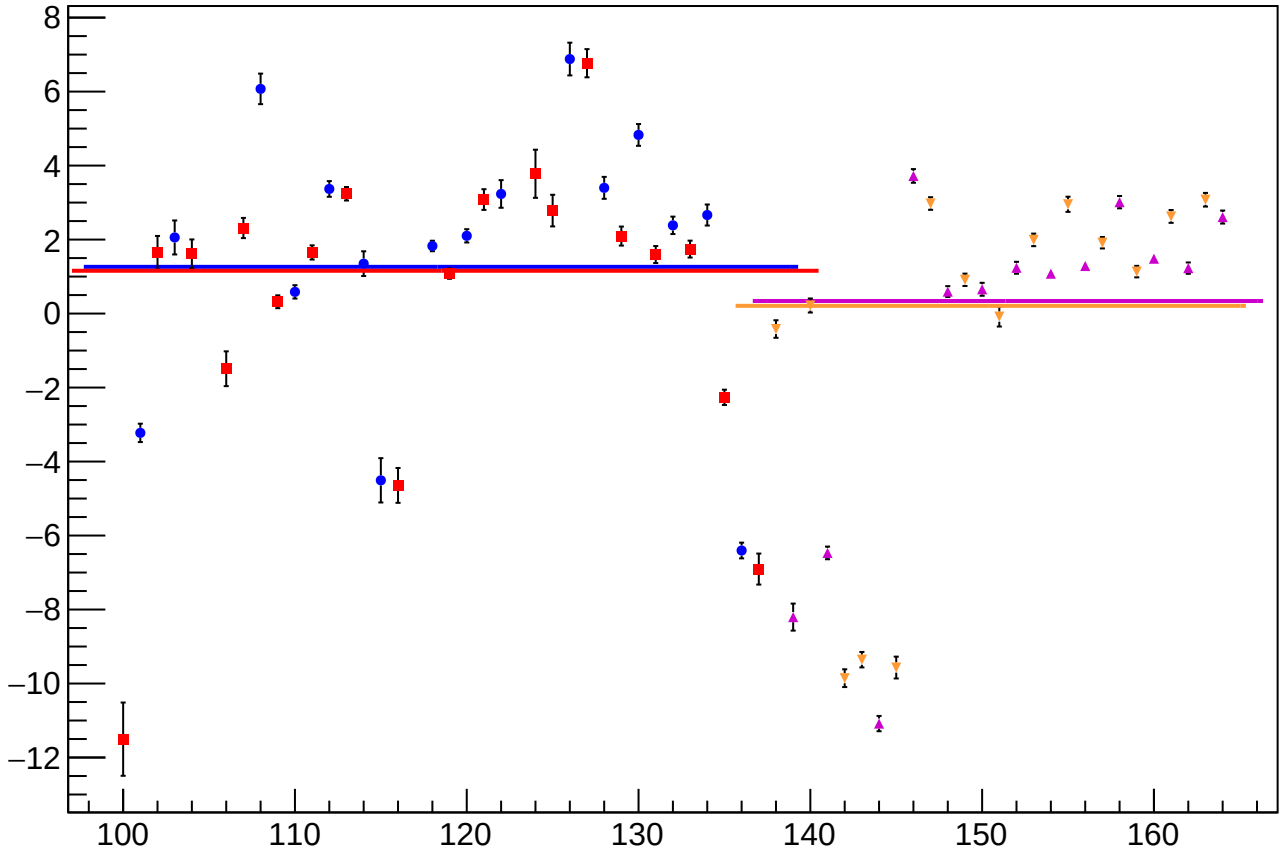
Left: 9.778+/-0.047 χ^2/NDF: 245948.3/26

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 0.606+/-0.042 χ^2/NDF:202143.2/28

Out: 2.518+/-0.040 χ^2/NDF:243934.0/32

All: 1.595+/-0.029 χ^2/NDF: 447168.6/61



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.209+/-0.051 χ^2/NDF:6128.1/13

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.340+/-0.043 χ^2/NDF:6202.6/12

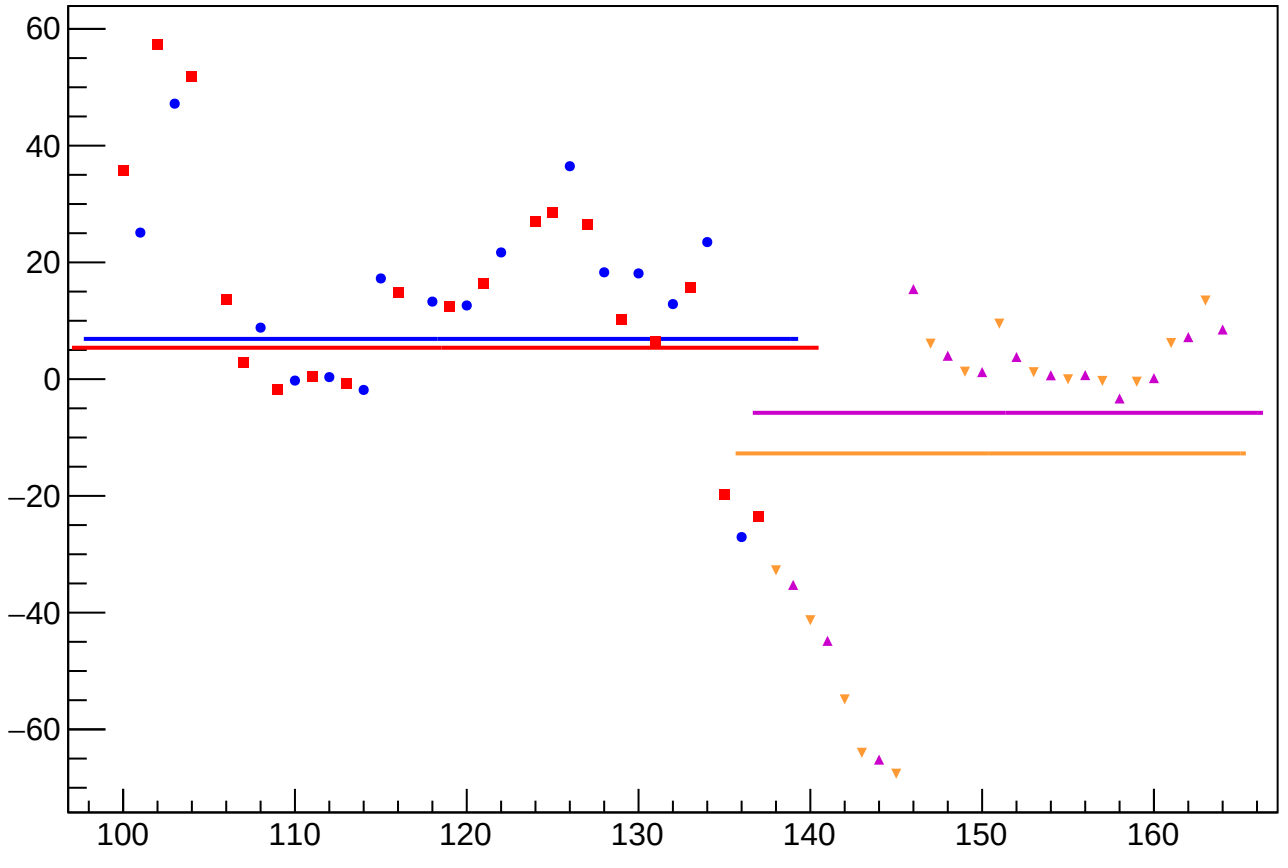
Left: 0.286+/-0.033 χ^2/NDF: 12334.5/26

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.640+/-0.035 χ^2/NDF:8795.9/28

Out: 0.613+/-0.039 χ^2/NDF:7766.3/32

All: 0.628+/-0.026 χ^2/NDF: 16562.4/61



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -12.725+/-0.070 χ^2/NDF:127123.1/13

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -5.769+/-0.058 χ^2/NDF:110410.6/12

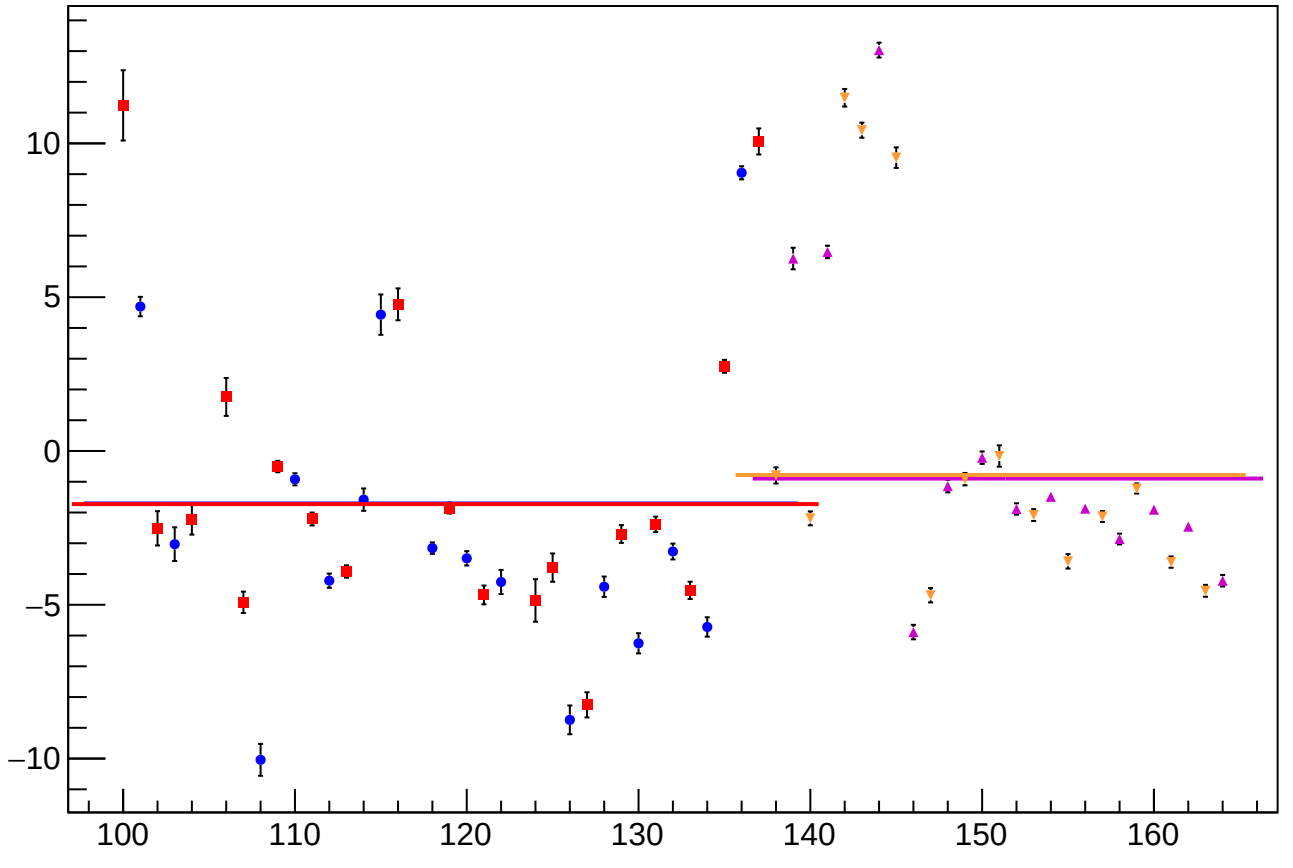
Left: -8.643+/-0.045 χ^2/NDF: 243392.3/26

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -0.333+/-0.044 χ^2/NDF:198627.8/28

Out: -2.582+/-0.046 χ^2/NDF:237244.3/32

All: -1.407+/-0.032 χ^2/NDF: 437112.5/61



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -0.782+/-0.058 χ^2/NDF:6061.4/13

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -0.897+/-0.049 χ^2/NDF:6206.5/12

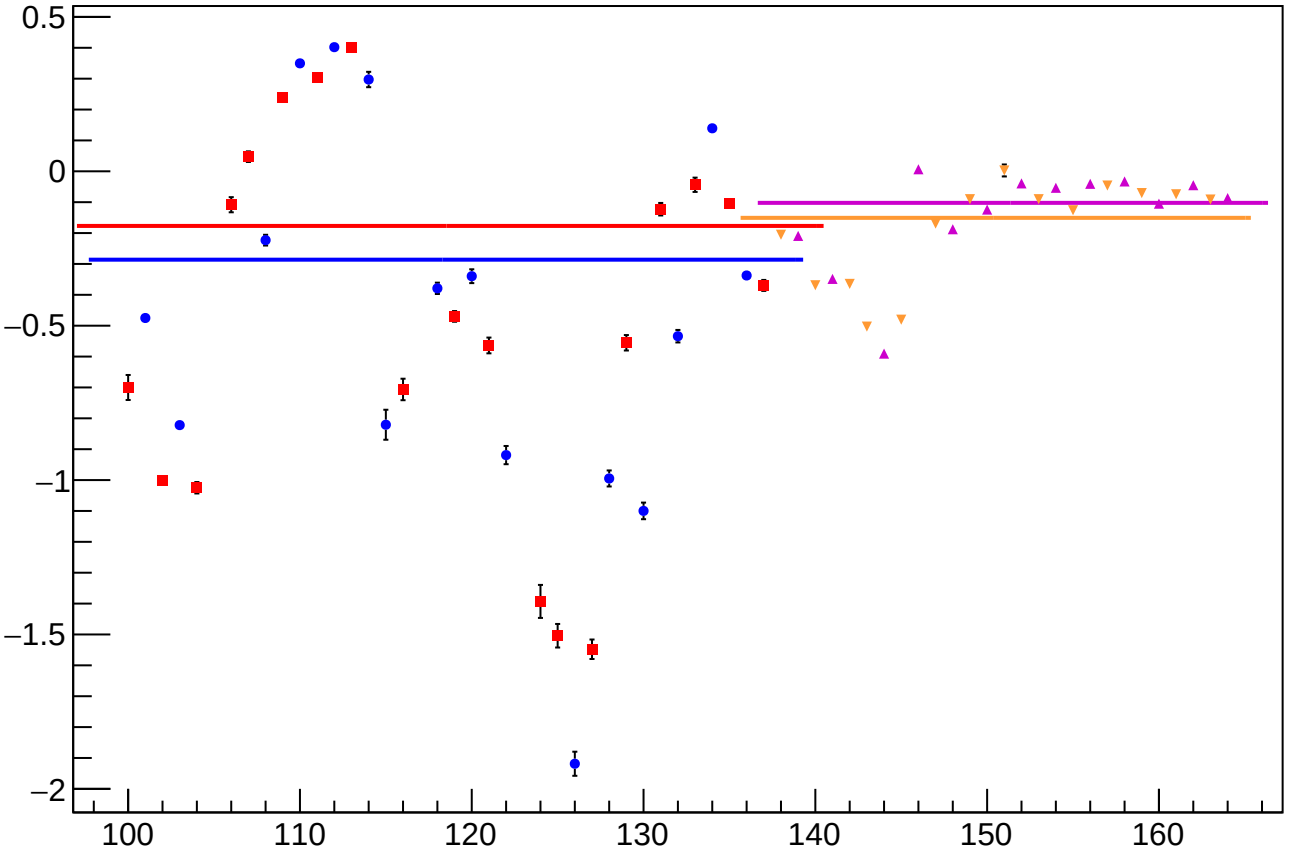
Left: -0.849+/-0.037 χ^2/NDF: 12270.1/26

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.155+/-0.040 χ^2/NDF:10583.7/28

Out: -1.191+/-0.044 χ^2/NDF:8484.5/32

All: -1.171+/-0.030 χ^2/NDF: 19068.6/61



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.151+/-0.003 χ^2/NDF:2737.0/13

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.102+/-0.002 χ^2/NDF:2854.7/12

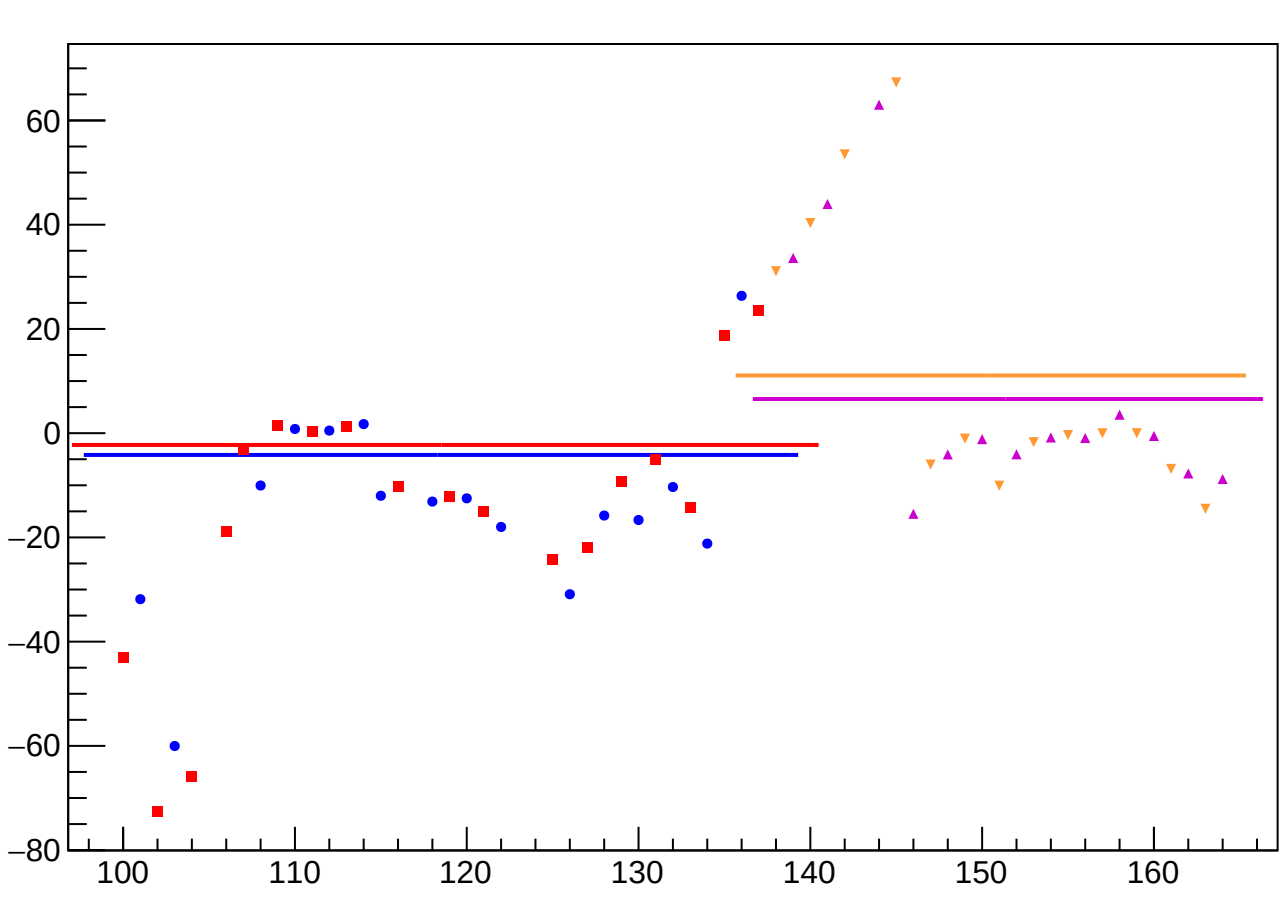
Left: -0.122+/-0.002 χ^2/NDF: 5805.5/26

Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.138+/-0.002 χ^2/NDF:15706.1/28

Out: -0.159+/-0.002 χ^2/NDF:17535.7/32

All: -0.147+/-0.001 χ^2/NDF: 33294.2/61



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 11.072+/-0.072 χ^2/NDF:100036.2/12

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 6.552+/-0.059 χ^2/NDF:115015.9/12

Left: 8.354+/-0.046 χ^2/NDF: 217407.7/25

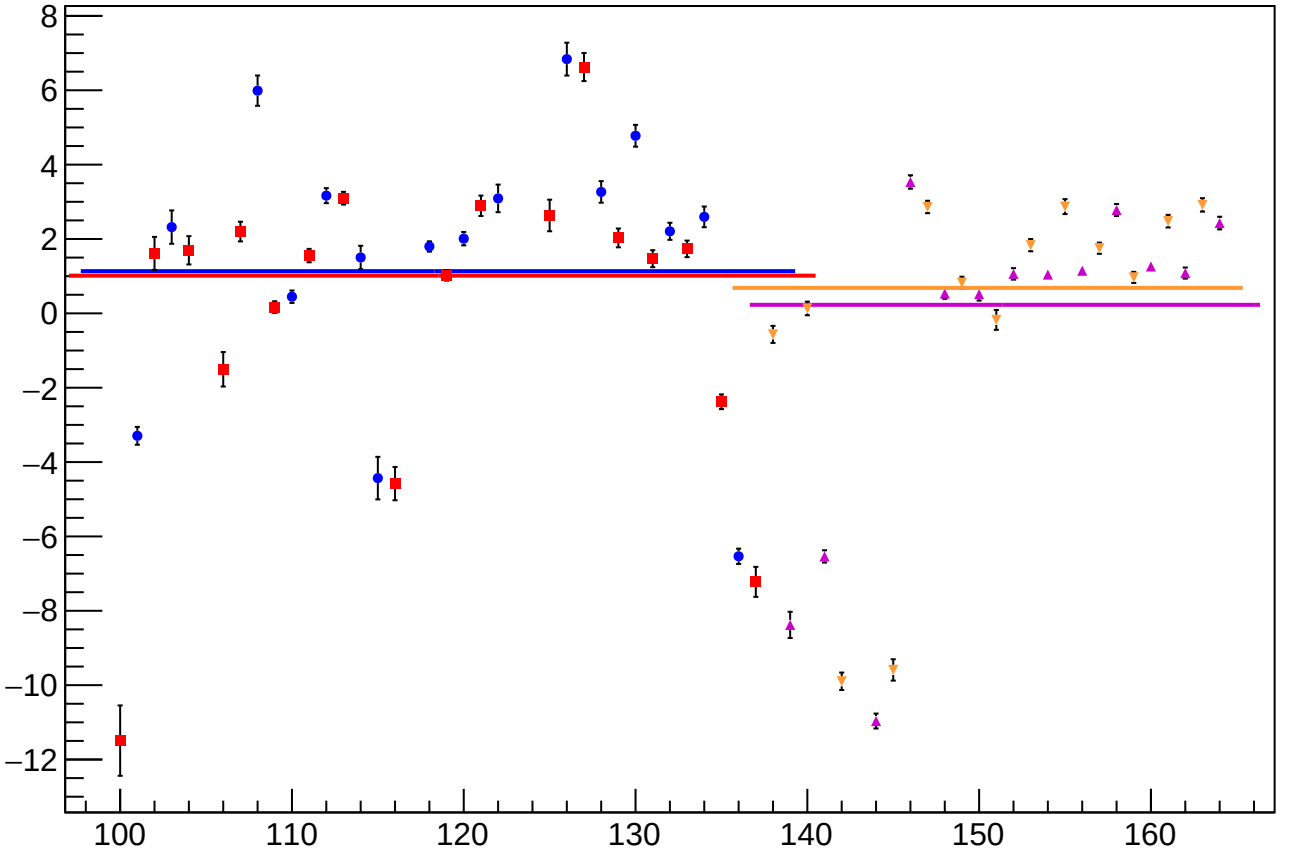
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 0.779+/-0.040 χ^2/NDF:208325.5/28

Out: 1.593+/-0.039 χ^2/NDF:203902.3/30

All: 1.197+/-0.028 χ^2/NDF: 412441.2/59

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: 0.684+/-0.051 χ^2/NDF:4020.6/12

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.230+/-0.041 χ^2/NDF:6393.7/12

Left: 0.409+/-0.032 χ^2/NDF: 10462.2/25

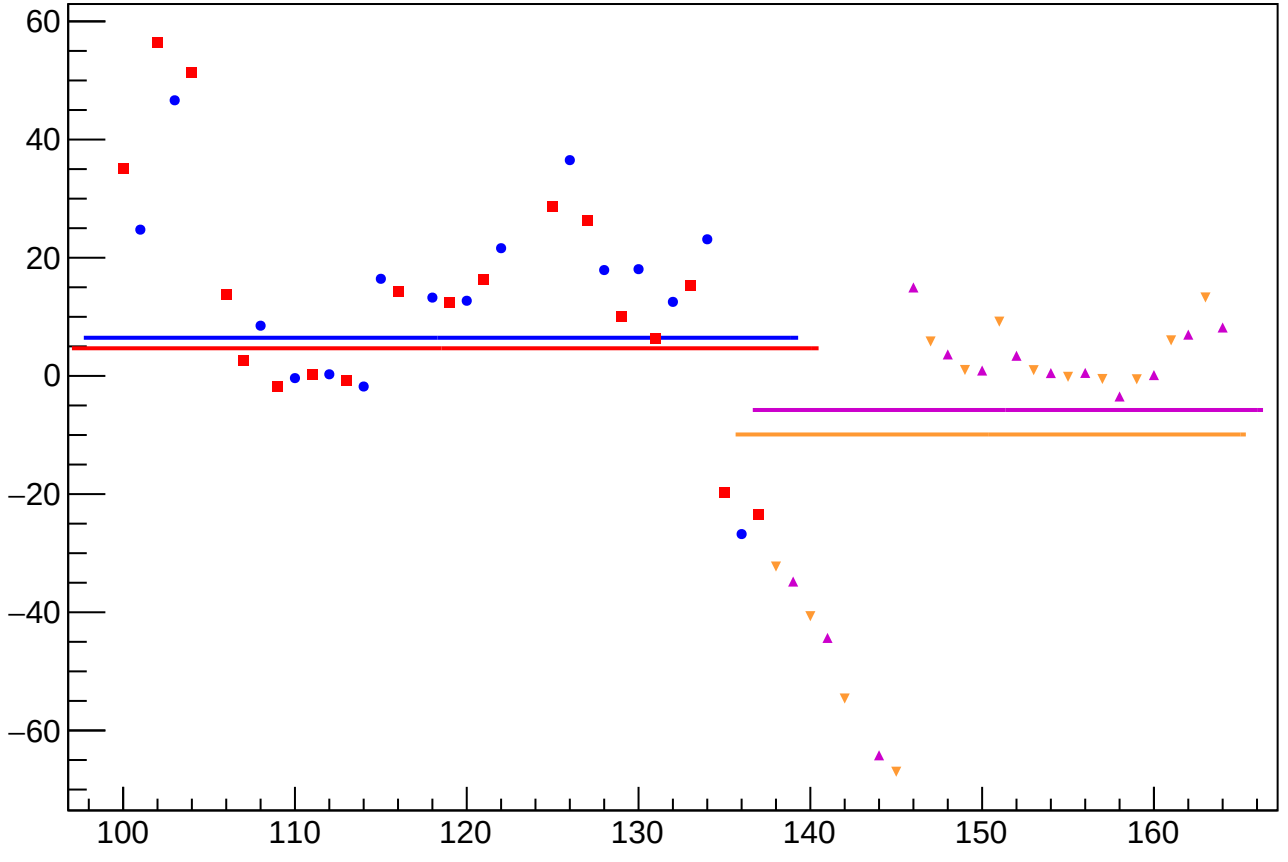
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.520+/-0.034 χ^2/NDF:9143.2/28

Out: 0.831+/-0.038 χ^2/NDF:5632.1/30

All: 0.658+/-0.025 χ^2/NDF: 14812.3/59

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -9.909+/-0.070 χ^2/NDF:98577.5/12

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -5.765+/-0.056 χ^2/NDF:113771.5/12

Left: -7.397+/-0.044 χ^2/NDF: 214497.5/25

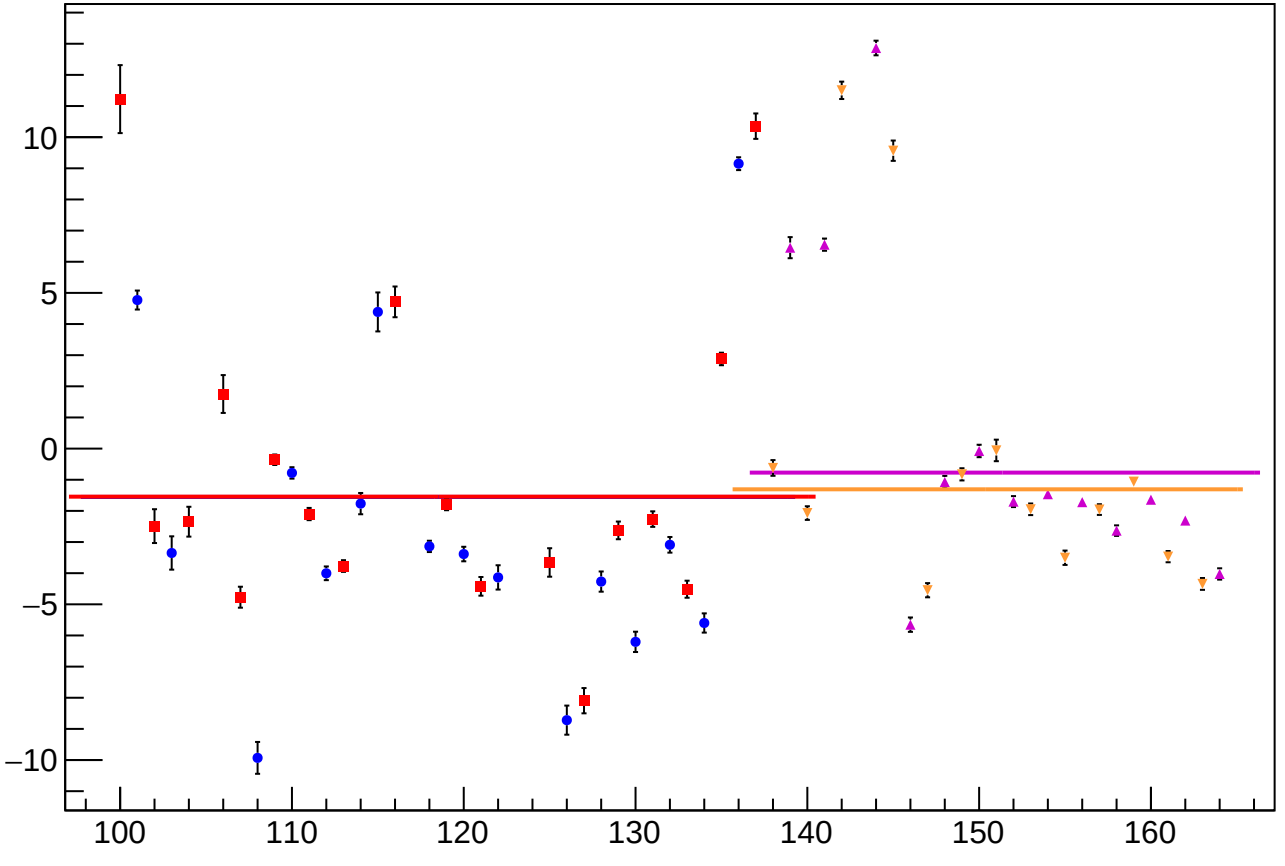
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -0.543+/-0.042 χ^2/NDF:204843.9/28

Out: -1.432+/-0.045 χ^2/NDF:198514.5/30

All: -0.962+/-0.031 χ^2/NDF: 403564.6/59

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: -1.307+/-0.058 χ^2/NDF:3977.6/12

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.771+/-0.047 χ^2/NDF:6374.8/12

Left: -0.981+/-0.037 χ^2/NDF: 10403.5/25

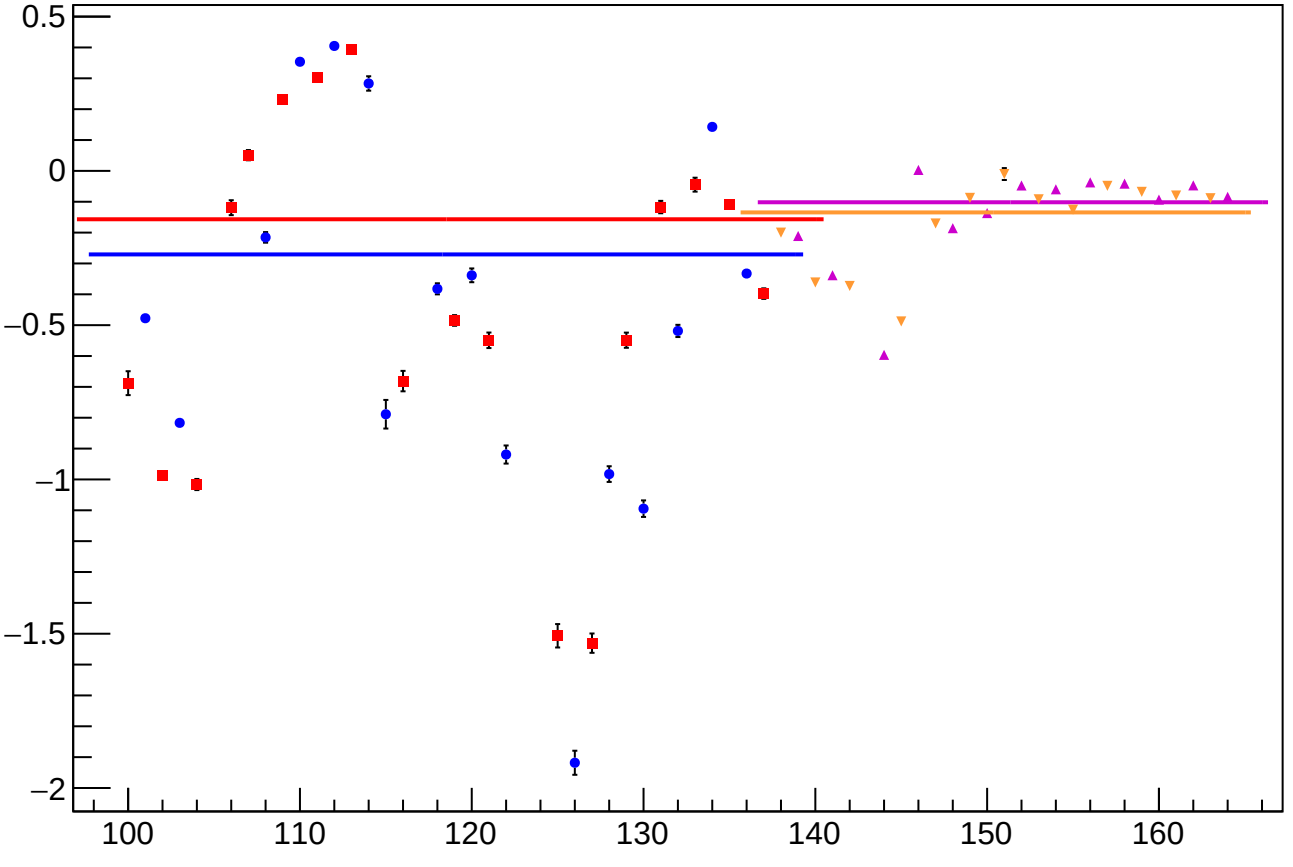
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.017+/-0.039 χ^2/NDF:11005.4/28

Out: -1.413+/-0.043 χ^2/NDF:6457.9/30

All: -1.194+/-0.029 χ^2/NDF: 17509.7/59

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: -0.135+/-0.003 χ^2/NDF:1948.0/12

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.102+/-0.002 χ^2/NDF:2993.3/12

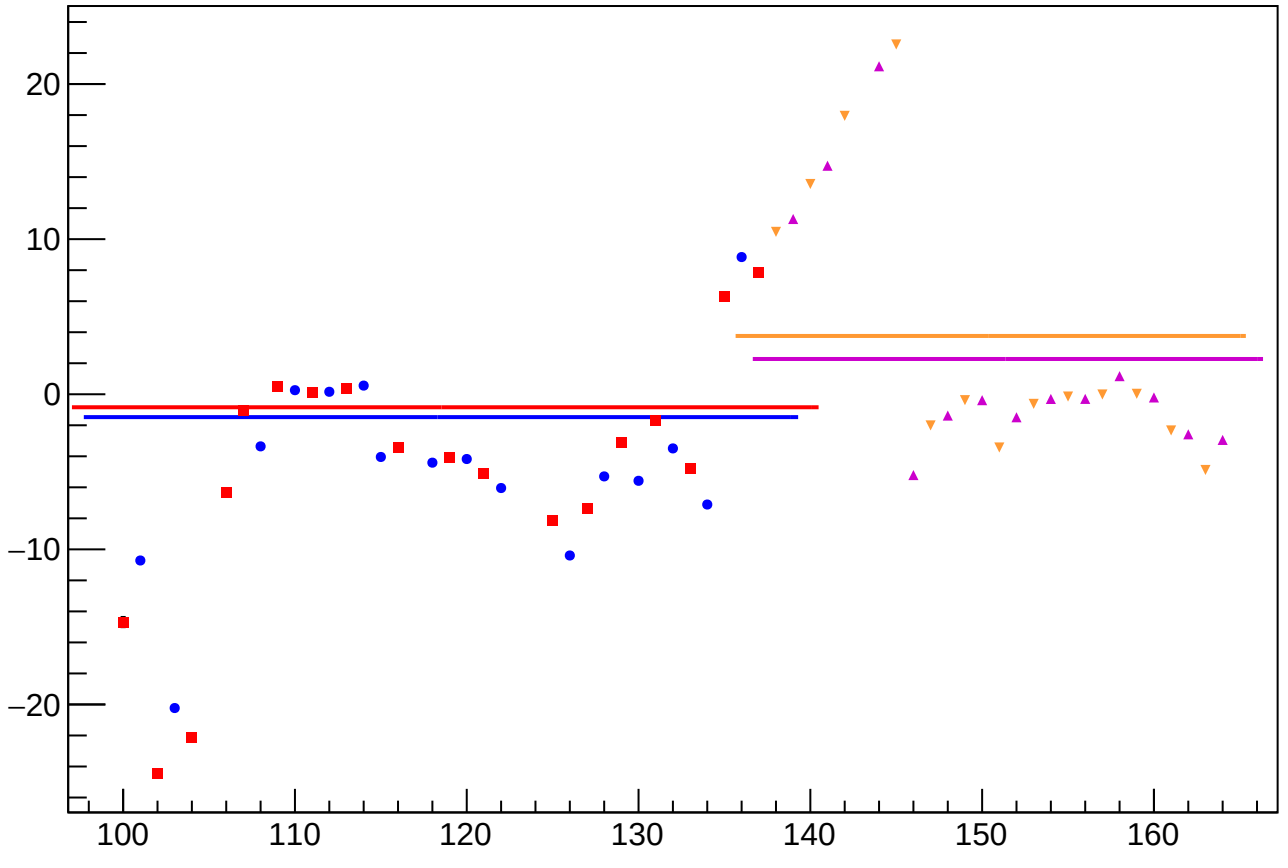
Left: -0.114+/-0.002 χ^2/NDF: 5043.6/25

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.134+/-0.002 χ^2/NDF:16437.7/28

Out: -0.142+/-0.002 χ^2/NDF:16990.6/30

All: -0.137+/-0.001 χ^2/NDF: 33435.8/59



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 3.759+/-0.025 χ^2/NDF:98196.4/12

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 2.274+/-0.020 χ^2/NDF:112336.7/12

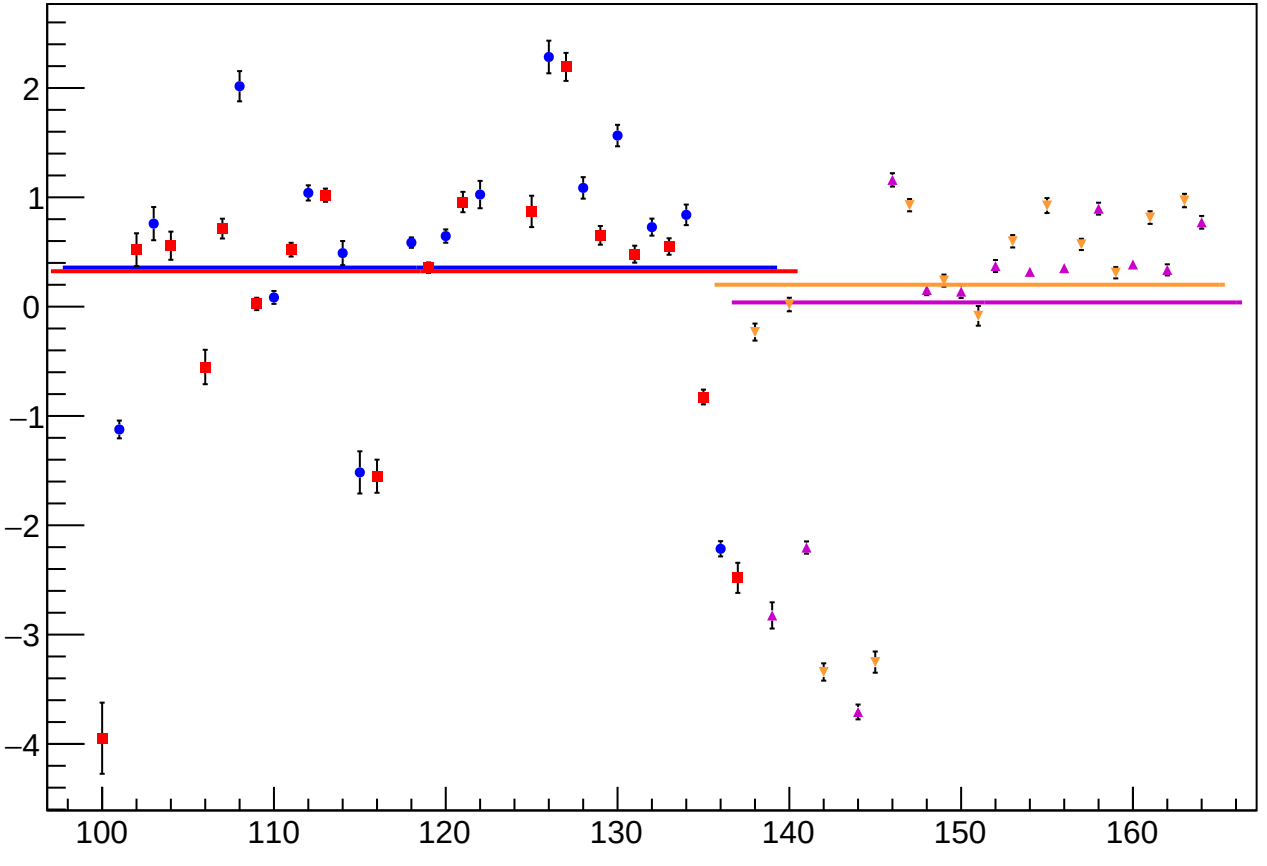
Left: 2.873+/-0.016 χ^2/NDF: 212700.9/25

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.255+/-0.014 χ^2/NDF:204518.1/28

Out: 0.529+/-0.013 χ^2/NDF:200672.0/30

All: 0.395+/-0.010 χ^2/NDF: 405392.6/59



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.201+/-0.017 χ^2/NDF:3968.7/12

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.039+/-0.014 χ^2/NDF:6223.1/12

Left: 0.103+/-0.011 χ^2/NDF: 10243.6/25

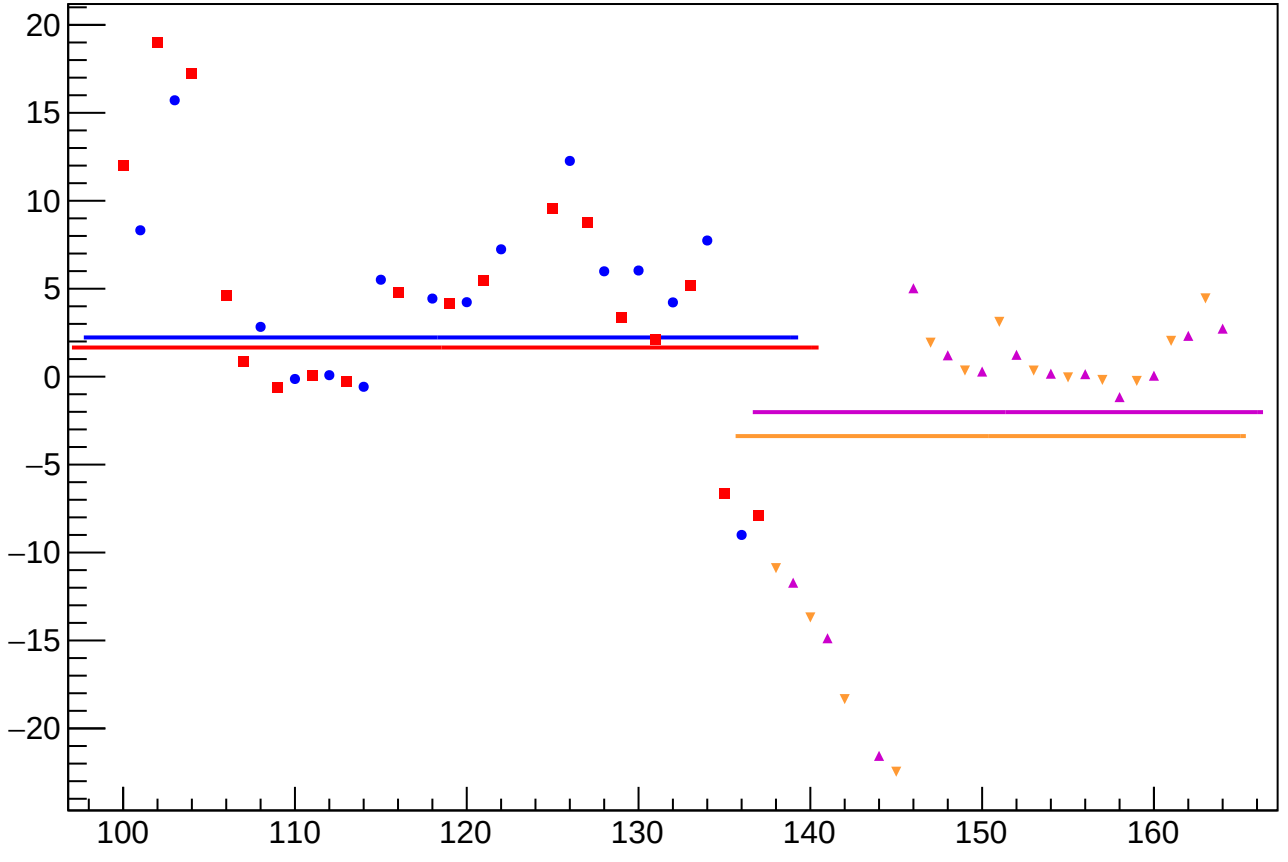
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.142+/-0.012 χ^2/NDF:8928.3/28

Out: 0.255+/-0.013 χ^2/NDF:5549.5/30

All: 0.192+/-0.009 χ^2/NDF: 14519.2/59

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: -3.379+/-0.024 χ^2/NDF:96799.8/12

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -2.017+/-0.019 χ^2/NDF:111221.8/12

Left: -2.560+/-0.015 χ^2/NDF: 209998.6/25

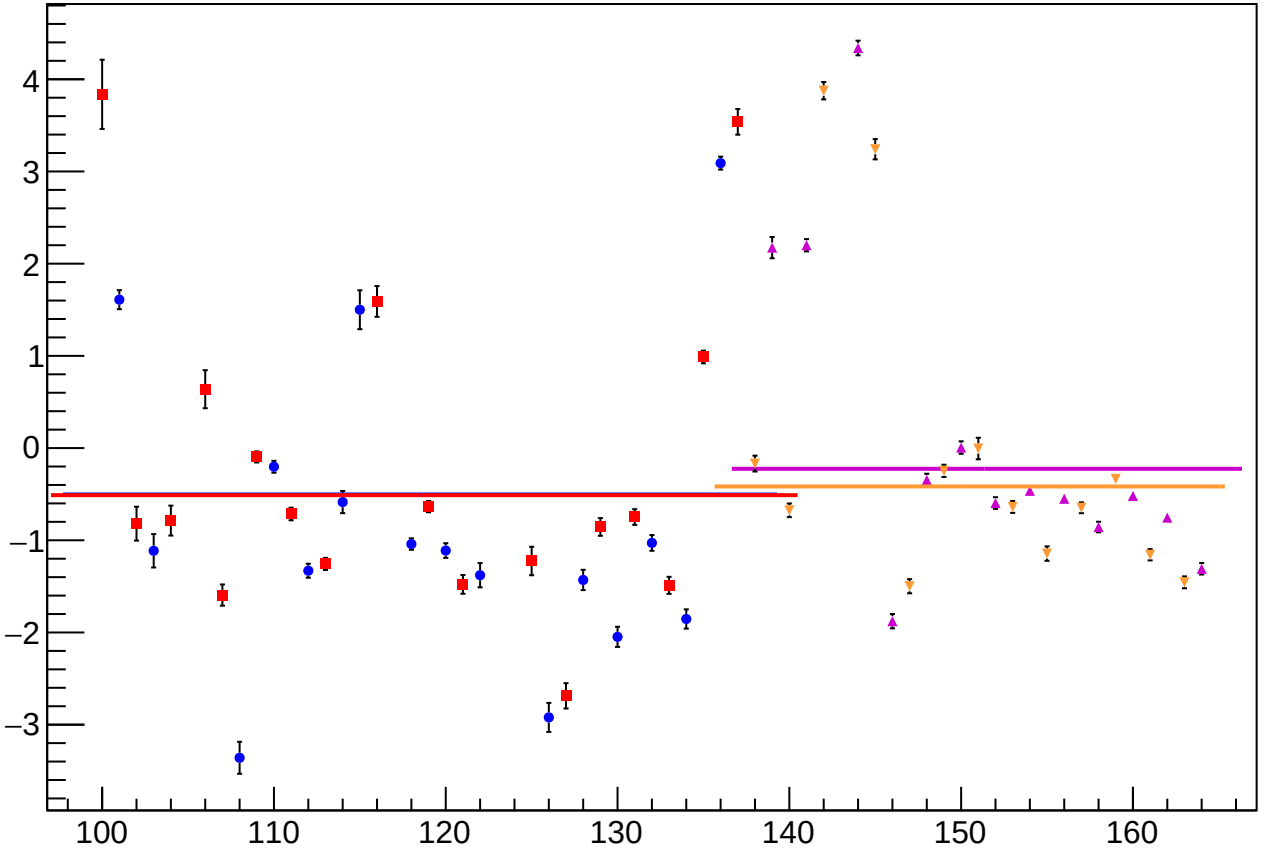
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.191+/-0.015 χ^2/NDF:201152.5/28

Out: -0.486+/-0.015 χ^2/NDF:195408.6/30

All: -0.330+/-0.011 χ^2/NDF: 396753.6/59

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: -0.416+/-0.020 χ^2/NDF:3931.4/12

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.225+/-0.016 χ^2/NDF:6216.3/12

Left: -0.301+/-0.013 χ^2/NDF: 10203.3/25

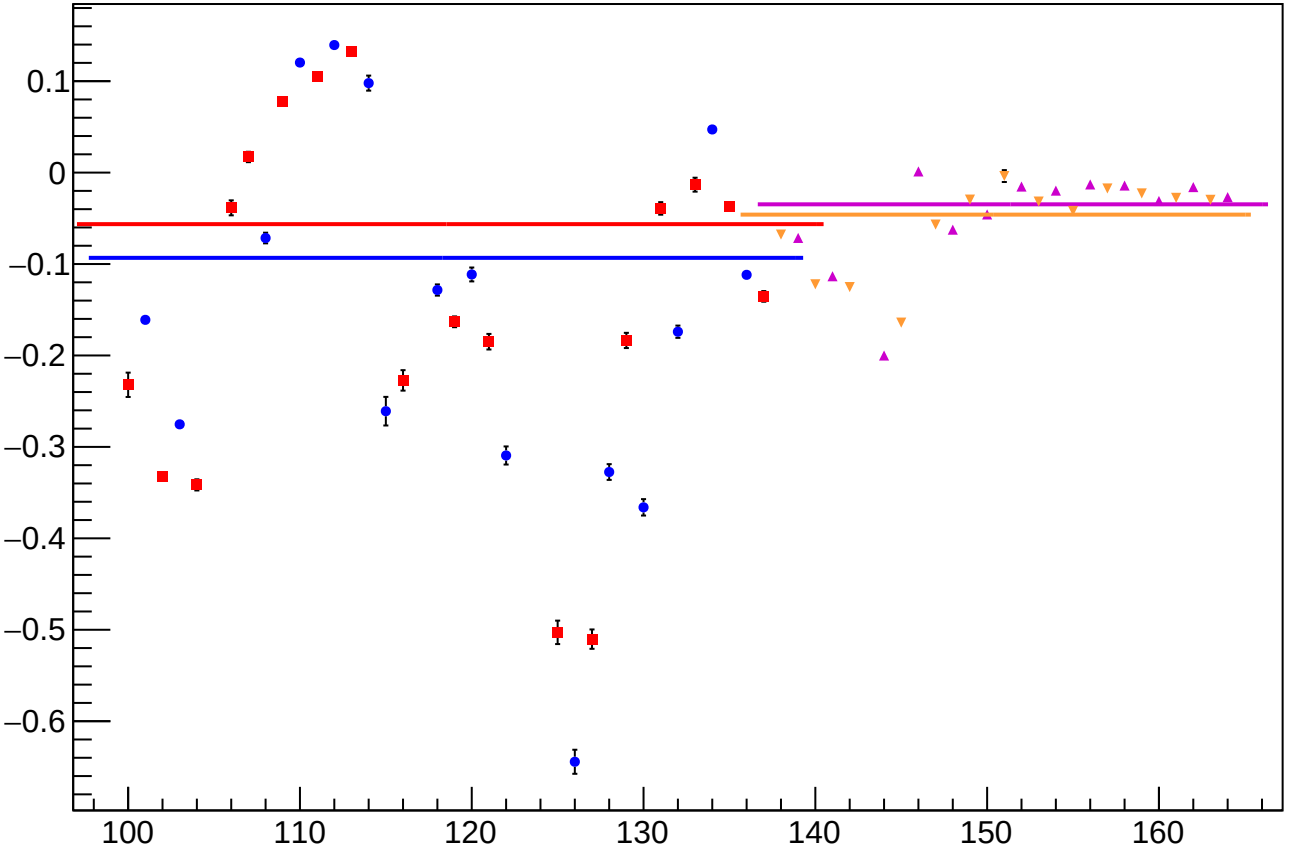
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.314+/-0.013 χ^2/NDF:10757.8/28

Out: -0.458+/-0.015 χ^2/NDF:6365.3/30

All: -0.378+/-0.010 χ^2/NDF: 17175.6/59

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: -0.046+/-0.001 χ^2/NDF:1903.3/12

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.035+/-0.001 χ^2/NDF:2923.5/12

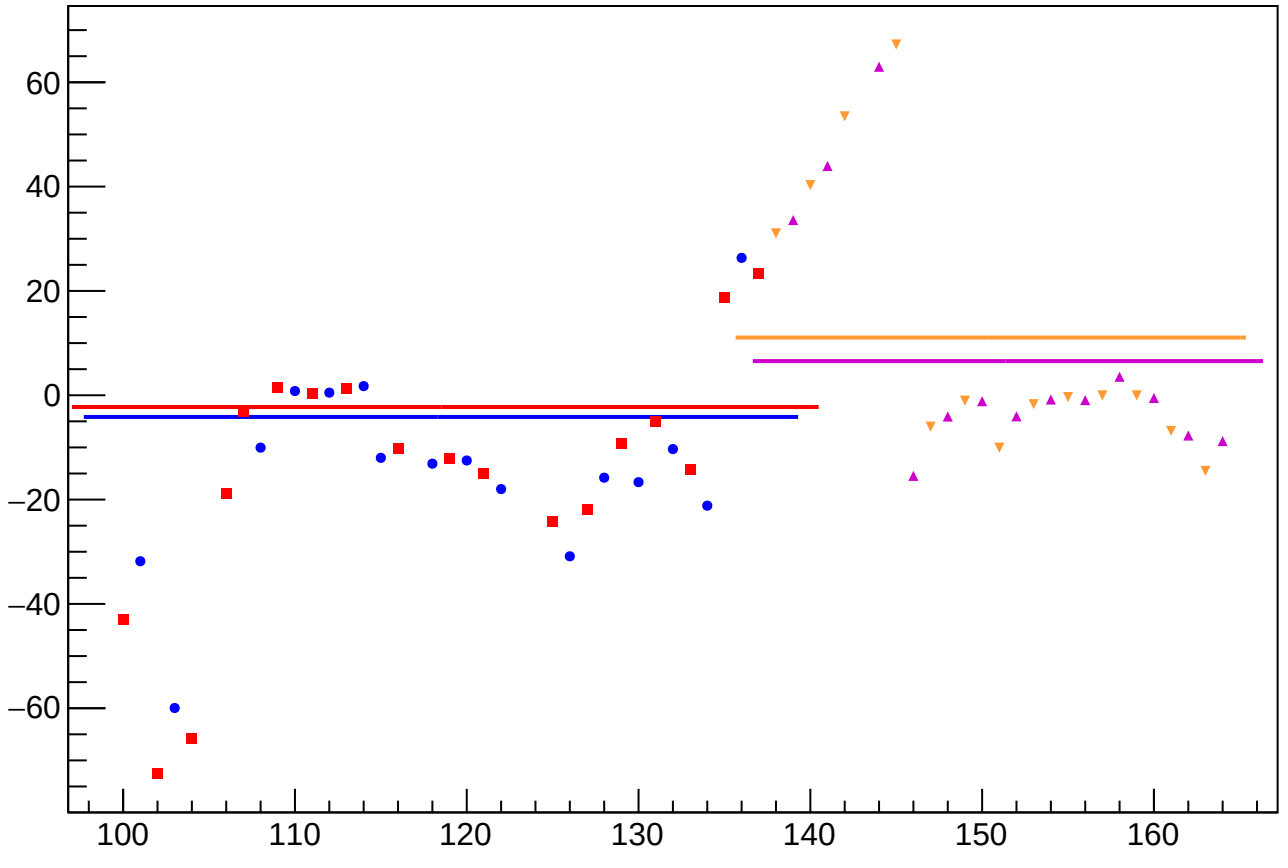
Left: -0.039+/-0.001 χ^2/NDF: 4928.7/25

Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.046+/-0.001 χ^2/NDF:16046.7/28

Out: -0.049+/-0.001 χ^2/NDF:16404.5/30

All: -0.047+/-0.000 χ^2/NDF: 32461.8/59



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 11.066+/-0.072 χ^2/NDF:100021.0/12

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 6.550+/-0.059 χ^2/NDF:115029.2/12

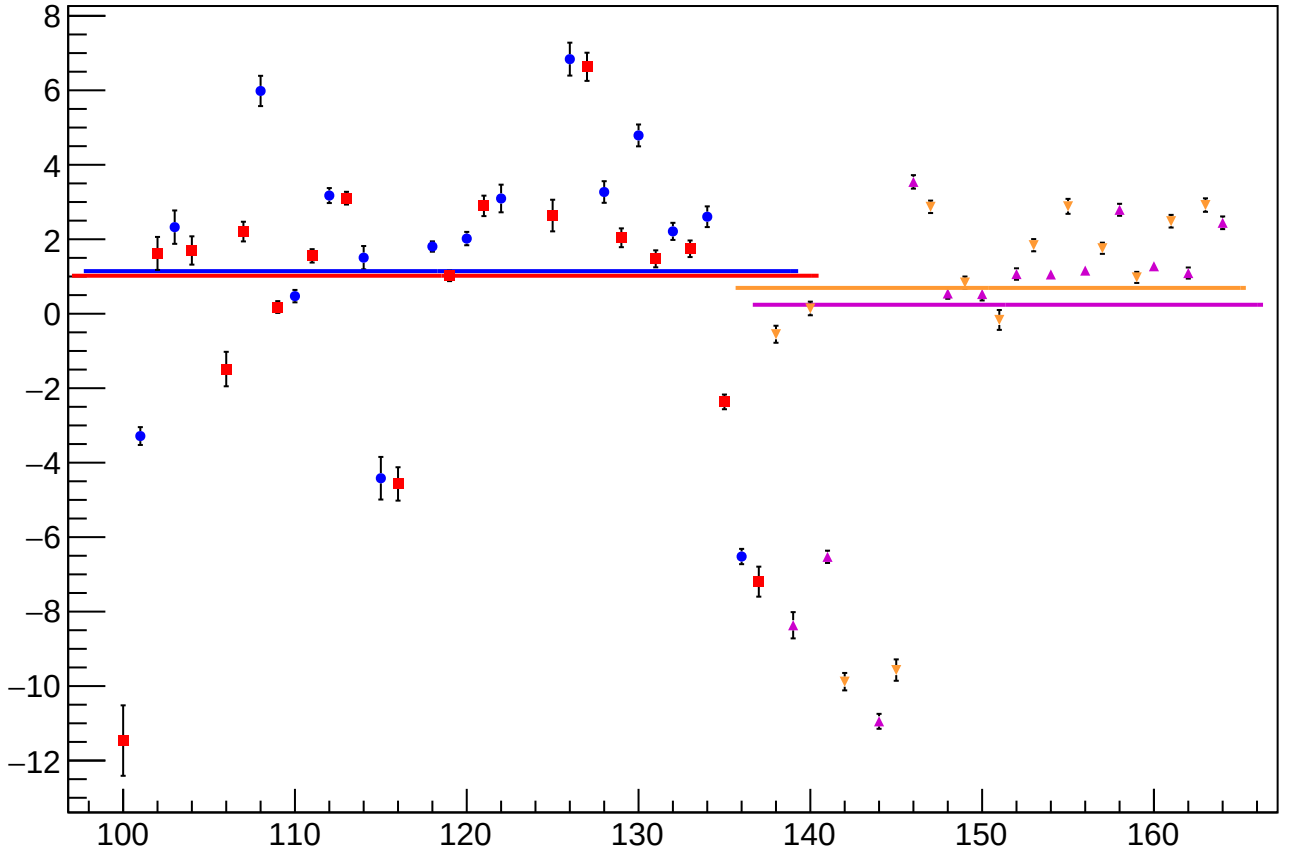
Left: 8.350+/-0.046 χ^2/NDF: 217406.7/25

Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 0.783+/-0.040 χ^2/NDF:208346.8/28

Out: 1.594+/-0.039 χ^2/NDF:203895.4/30

All: 1.200+/-0.028 χ^2/NDF: 412454.8/59



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.694+/-0.051 χ^2/NDF:4019.8/12

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.241+/-0.041 χ^2/NDF:6399.9/12

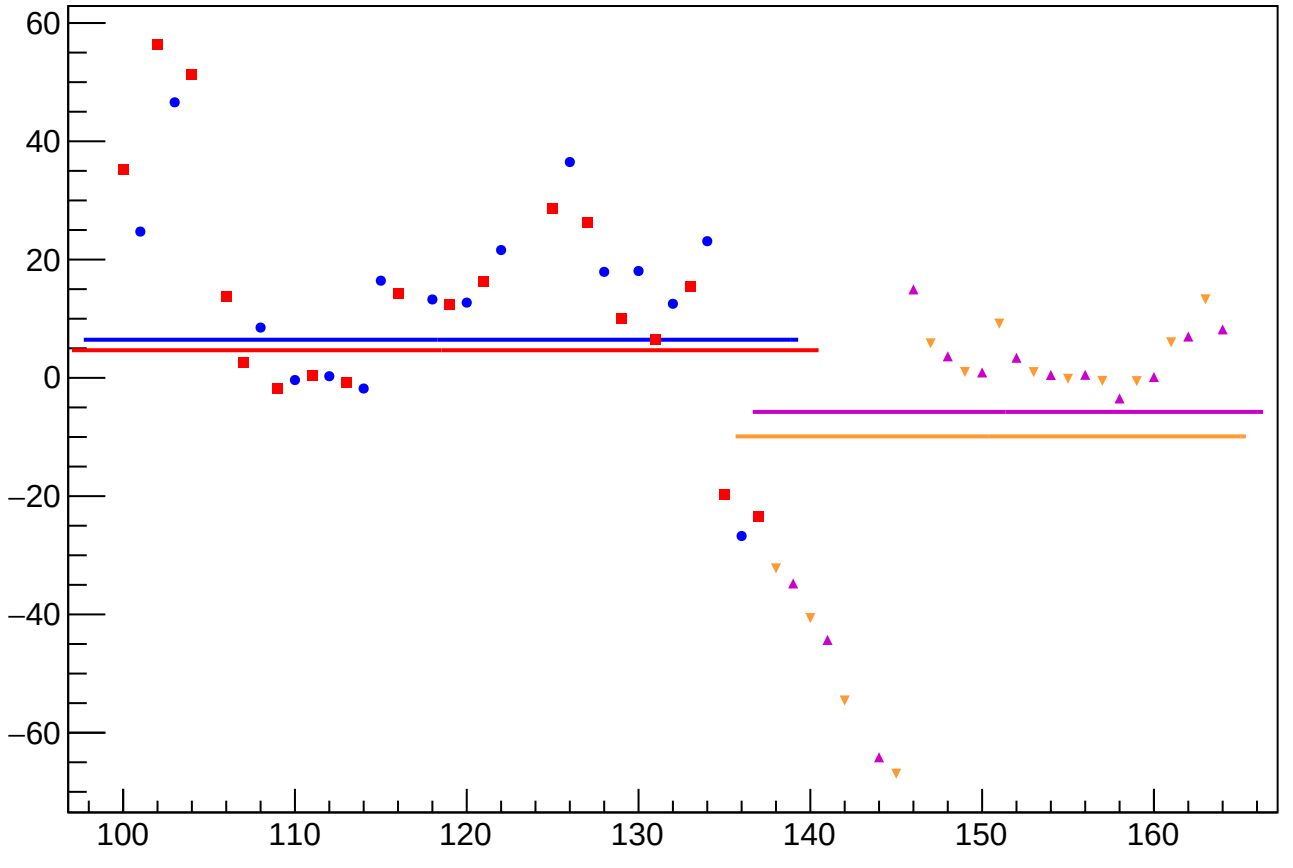
Left: 0.420+/-0.032 χ^2/NDF: 10467.2/25

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.530+/-0.034 χ^2/NDF:9148.6/28

Out: 0.839+/-0.038 χ^2/NDF:5629.2/30

All: 0.667+/-0.025 χ^2/NDF: 14814.2/59



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -9.899+/-0.070 χ^2/NDF:98561.1/12

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -5.757+/-0.056 χ^2/NDF:113782.6/12

Left: -7.388+/-0.044 χ^2/NDF: 214493.7/25

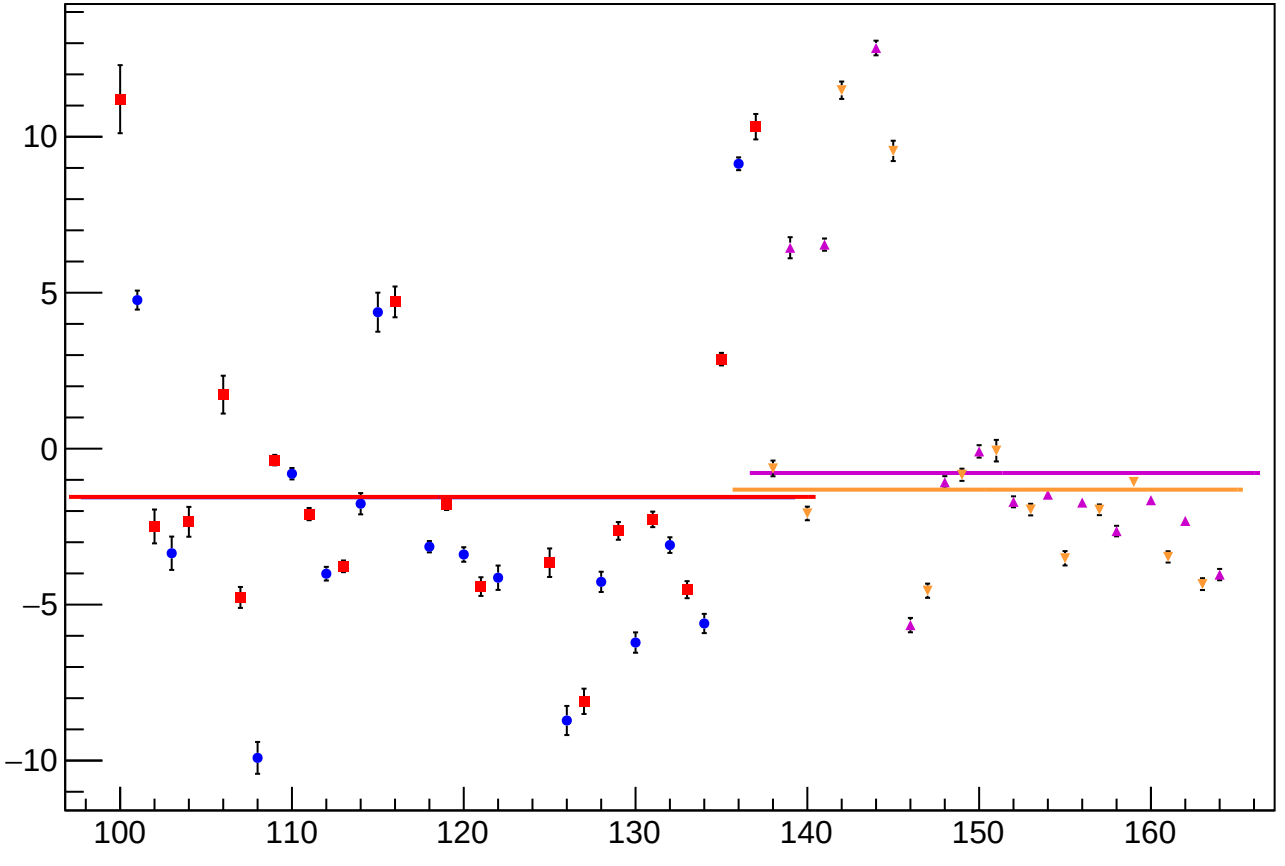
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -0.542+/-0.042 χ^2/NDF:204858.5/28

Out: -1.428+/-0.045 χ^2/NDF:198500.8/30

All: -0.959+/-0.031 χ^2/NDF: 403564.9/59

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.313+/-0.058 χ^2/NDF:3975.9/12

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.780+/-0.047 χ^2/NDF:6379.9/12

Left: -0.989+/-0.037 χ^2/NDF: 10406.5/25

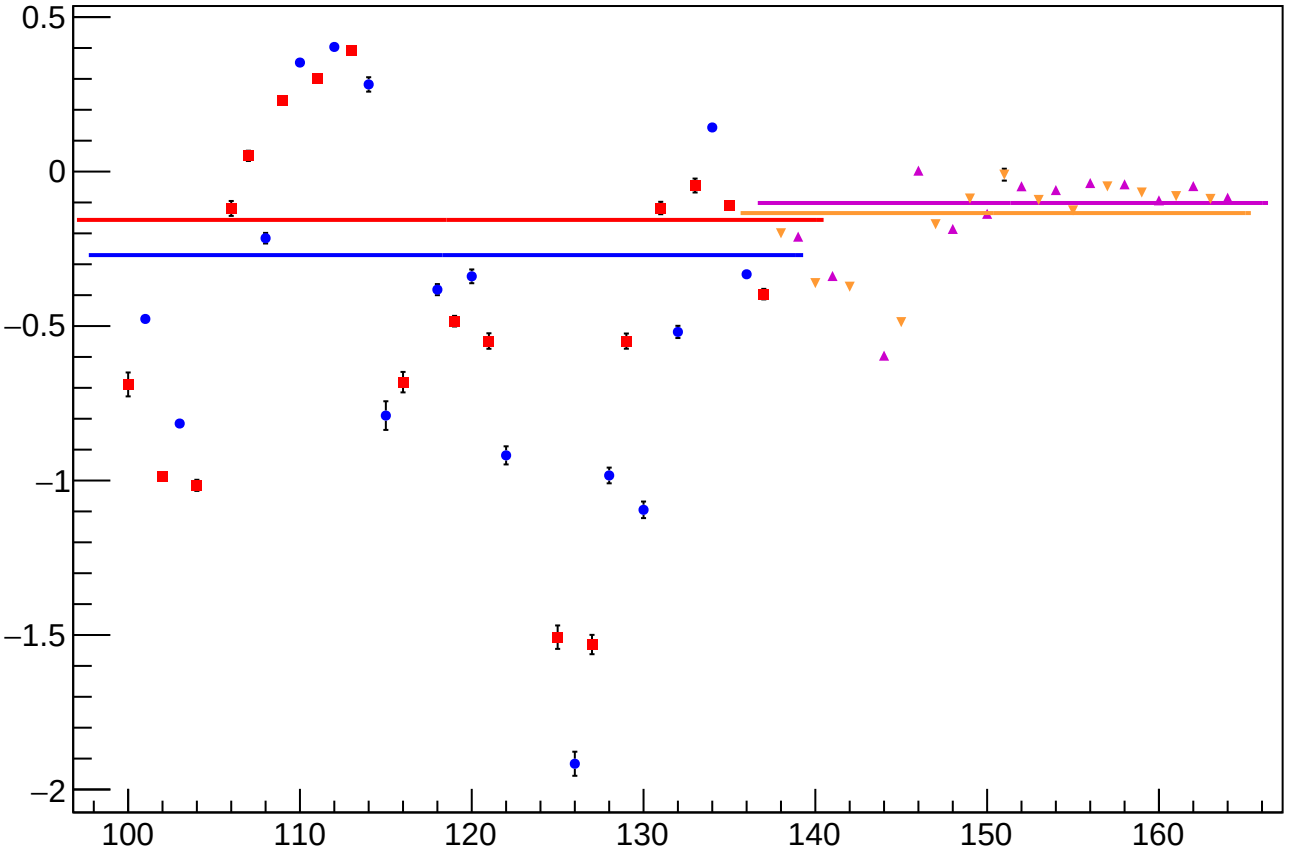
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.025+/-0.039 χ^2/NDF:11009.6/28

Out: -1.419+/-0.043 χ^2/NDF:6453.2/30

All: -1.200+/-0.029 χ^2/NDF: 17508.6/59

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: -0.134+/-0.003 χ^2/NDF:1949.1/12

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.102+/-0.002 χ^2/NDF:2993.1/12

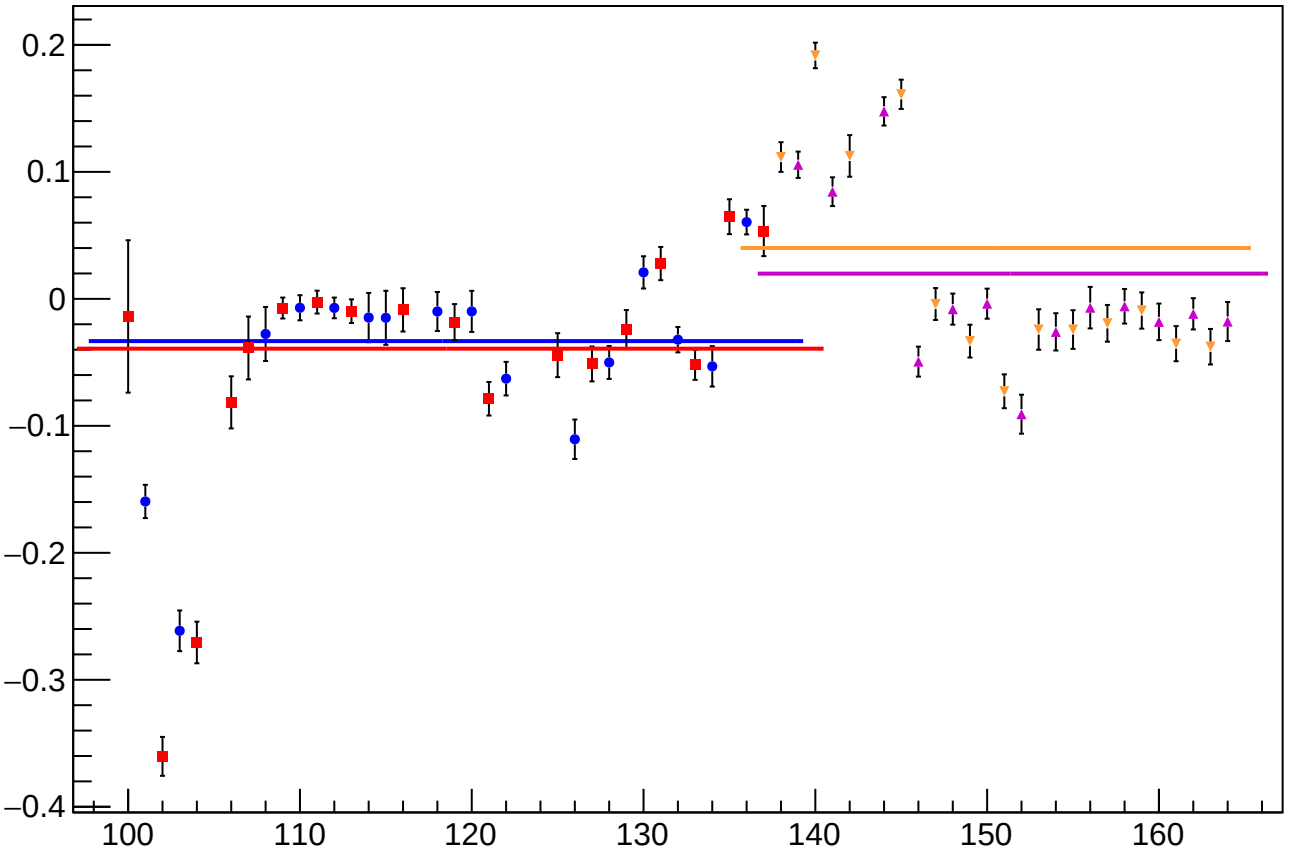
Left: -0.114+/-0.002 χ^2/NDF: 5043.2/25

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.134+/-0.002 χ^2/NDF:16435.9/28

Out: -0.141+/-0.002 χ^2/NDF:17002.6/30

All: -0.137+/-0.001 χ^2/NDF: 33445.6/59



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.040+/-0.004 χ^2/NDF:633.9/12

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.020+/-0.004 χ^2/NDF:363.1/12

Left: 0.030+/-0.003 χ^2/NDF: 1012.7/25

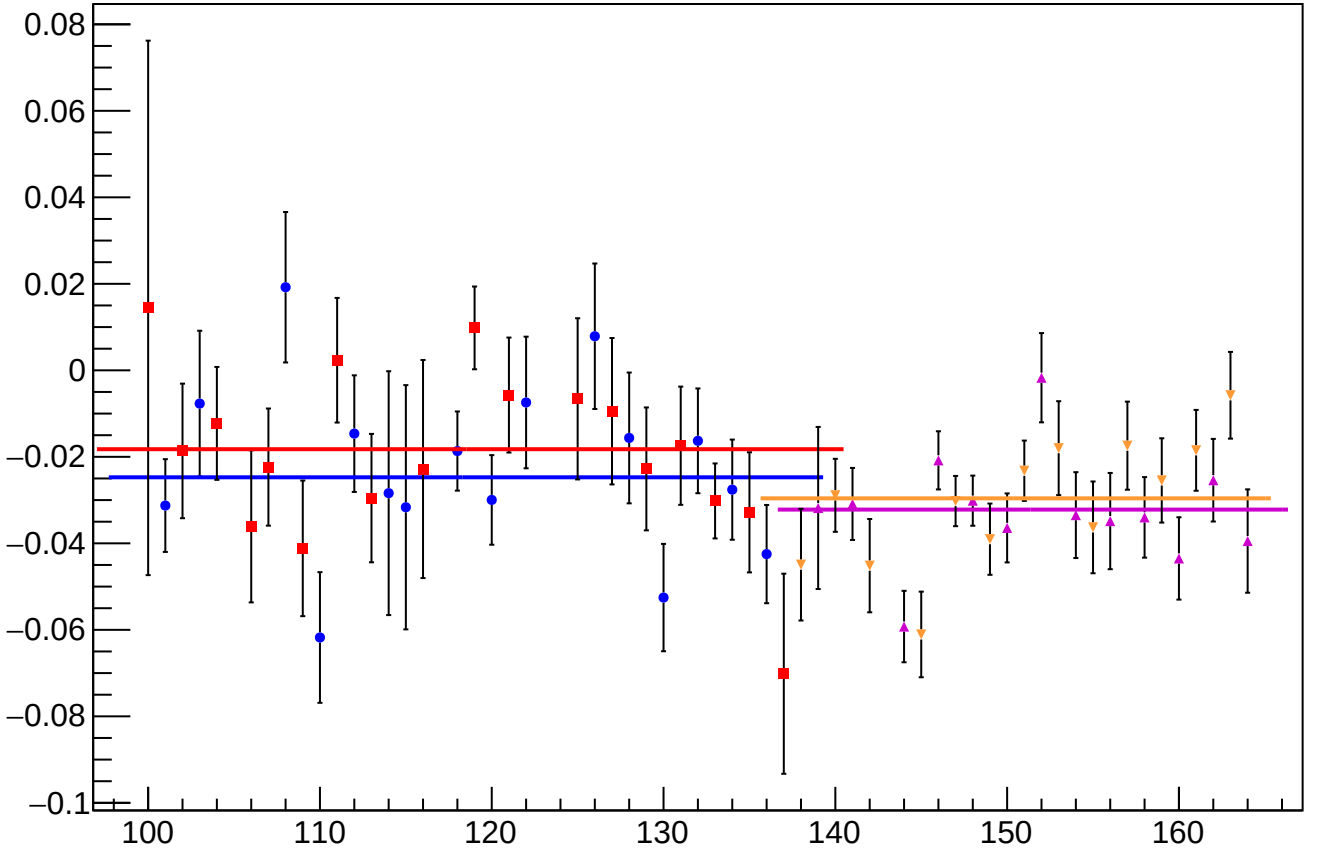
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.009+/-0.002 χ^2/NDF:950.1/28

Out: -0.005+/-0.002 χ^2/NDF:1708.8/30

All: -0.007+/-0.002 χ^2/NDF: 2660.4/59

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: -0.030+/-0.002 χ^2/NDF:26.0/12

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.032+/-0.002 χ^2/NDF:25.2/12

Left: -0.031+/-0.002 χ^2/NDF: 51.7/25

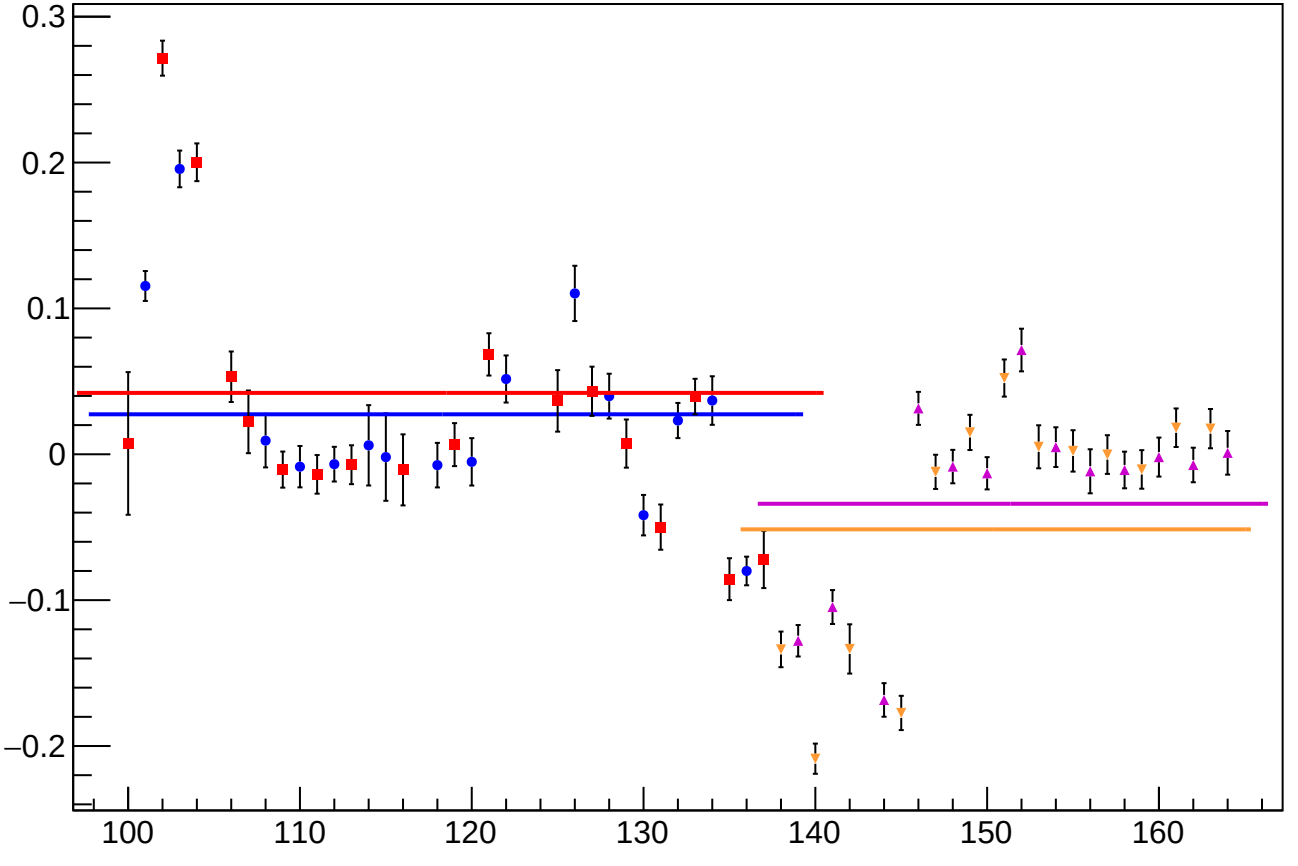
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.030+/-0.002 χ^2/NDF:57.0/28

Out: -0.026+/-0.002 χ^2/NDF:58.0/30

All: -0.028+/-0.001 χ^2/NDF: 117.0/59

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: -0.051+/-0.004 χ^2/NDF:630.3/12

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.034+/-0.003 χ^2/NDF:373.4/12

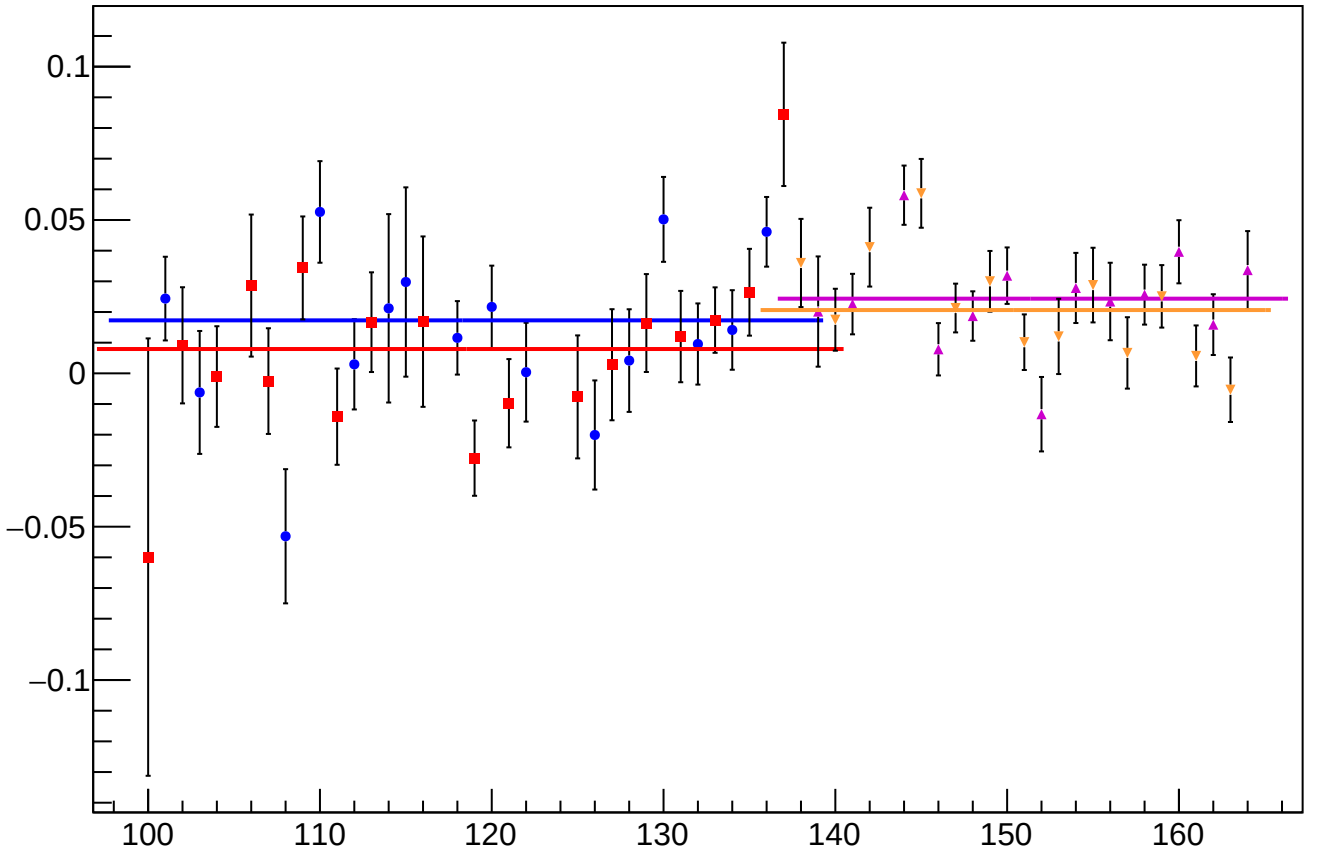
Left: -0.042+/-0.002 χ^2/NDF: 1016.3/25

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.005+/-0.002 χ^2/NDF:972.9/28

Out: -0.006+/-0.003 χ^2/NDF:1702.2/30

All: -0.005+/-0.002 χ^2/NDF: 2675.2/59



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.021+/-0.003 χ^2/NDF:28.5/12

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.024+/-0.003 χ^2/NDF:30.4/12

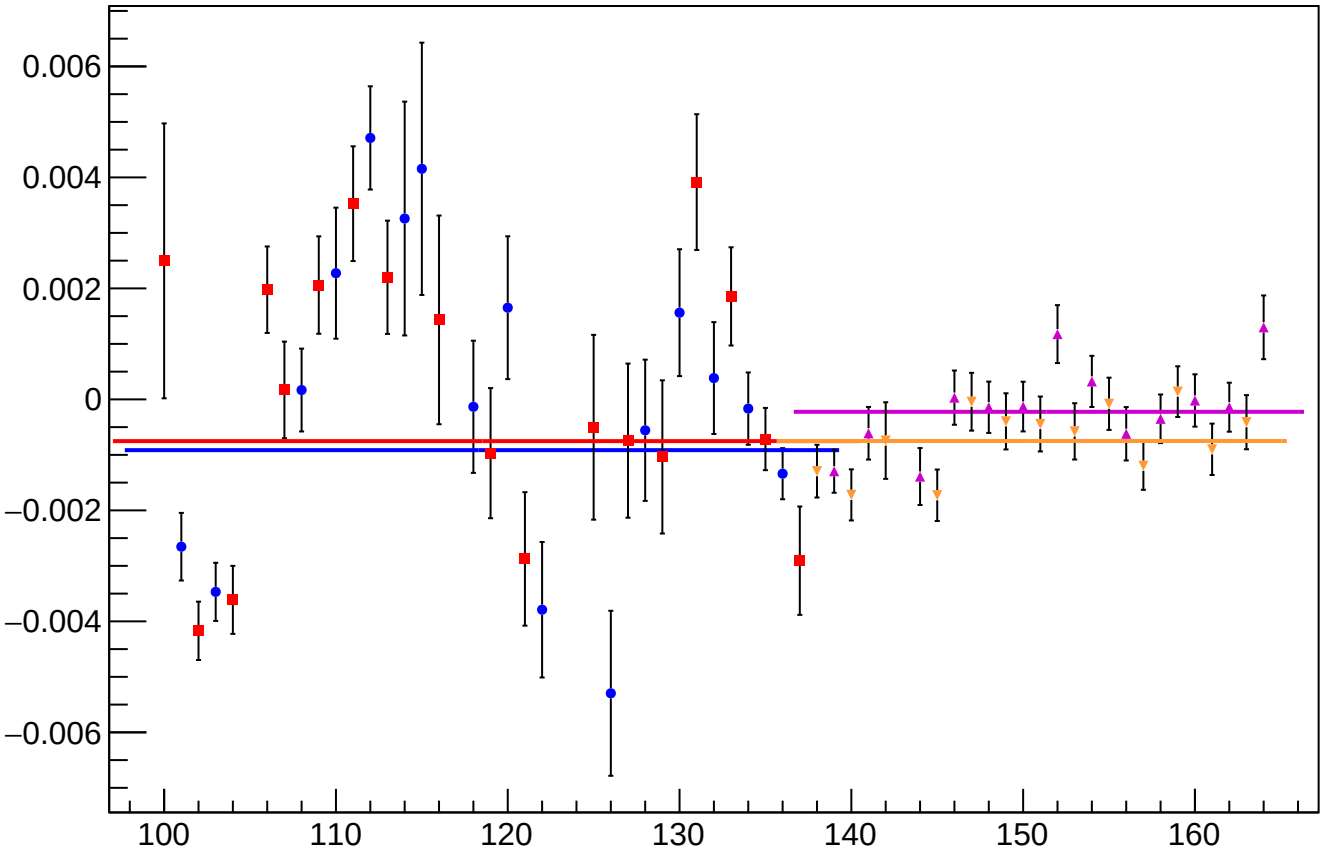
Left: 0.023+/-0.002 χ^2/NDF: 59.7/25

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.022+/-0.002 χ^2/NDF:69.3/28

Out: 0.016+/-0.002 χ^2/NDF:66.6/30

All: 0.019+/-0.002 χ^2/NDF: 139.0/59



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:20.5/12

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:30.4/12

Left: -0.000+/-0.000 χ^2/NDF: 58.8/25

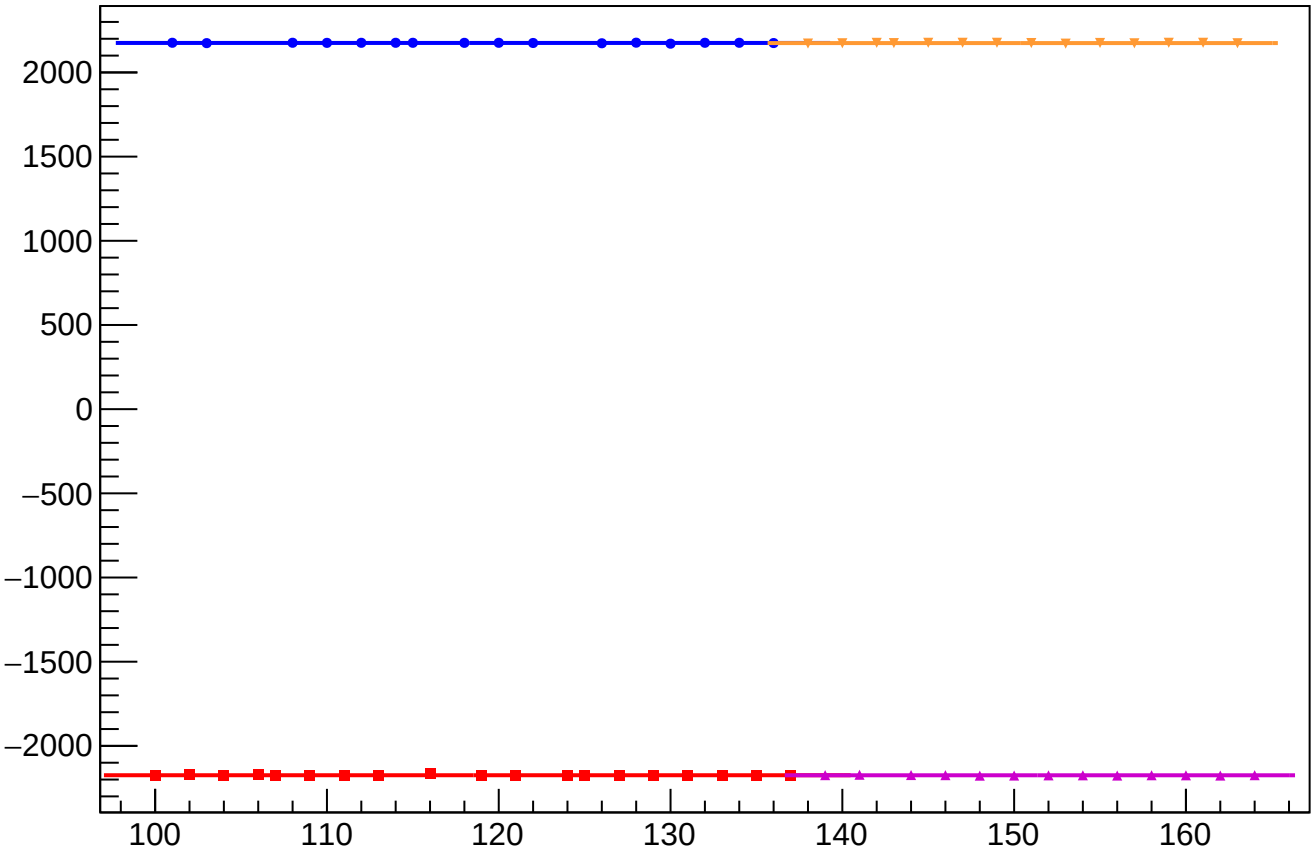
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:152.2/28

Out: -0.001+/-0.000 χ^2/NDF:168.1/30

All: -0.001+/-0.000 χ^2/NDF: 324.8/59

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.432+/-0.000 χ^2/NDF:34791799789233925677126726199541 76.0/13

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.607+/-0.000 χ^2/NDF:244752982718112118764328668941 5168.0/12

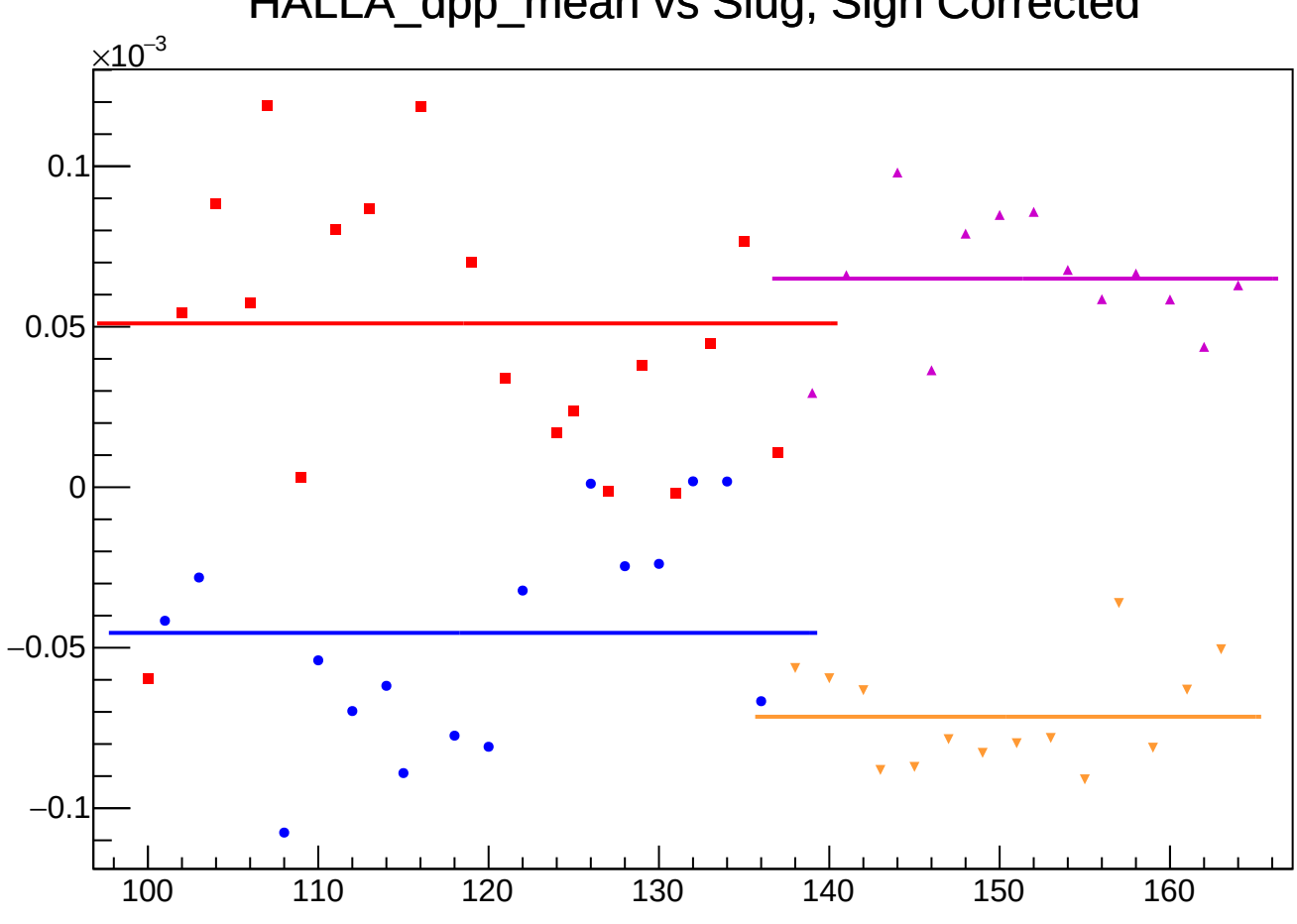
Left: 29.107+/-0.000 χ^2/NDF: 109162228776907 97

Right: -31.373+/-0.000 χ^2/NDF: 71117910490761 11

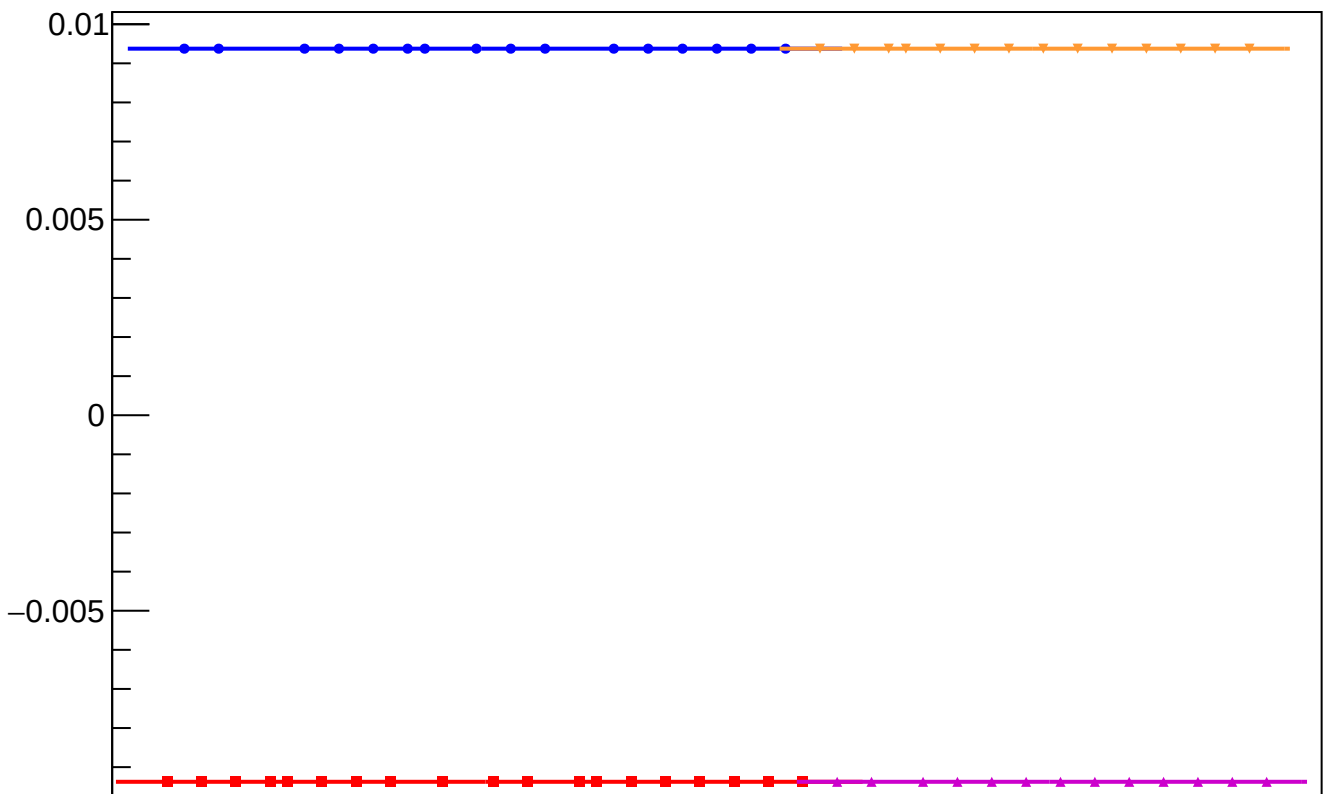
In: -460.135+/-0.000 χ^2/NDF:8494238802516002

Out: 457.877+/-0.000 χ^2/NDF:8733914855196344

All: 5.251+/-0.000 χ^2/NDF: 1803134532854 0


HALLA_dpp_mean vs Slug, Sign Corrected
×10^−3
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:29536726164884173094912 0.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:42398291085118511513600 0.0/12
Left: -0.000+/-0.000 χ²/NDF: 11470827683908885
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:6605372677310522303
Out: -0.000+/-0.000 χ²/NDF:82414077064866363
All: -0.000+/-0.000 χ²/NDF: 1674426131829

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:0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/12

Left: 0.000+/-0.000 χ^2/NDF: 202902873267647636

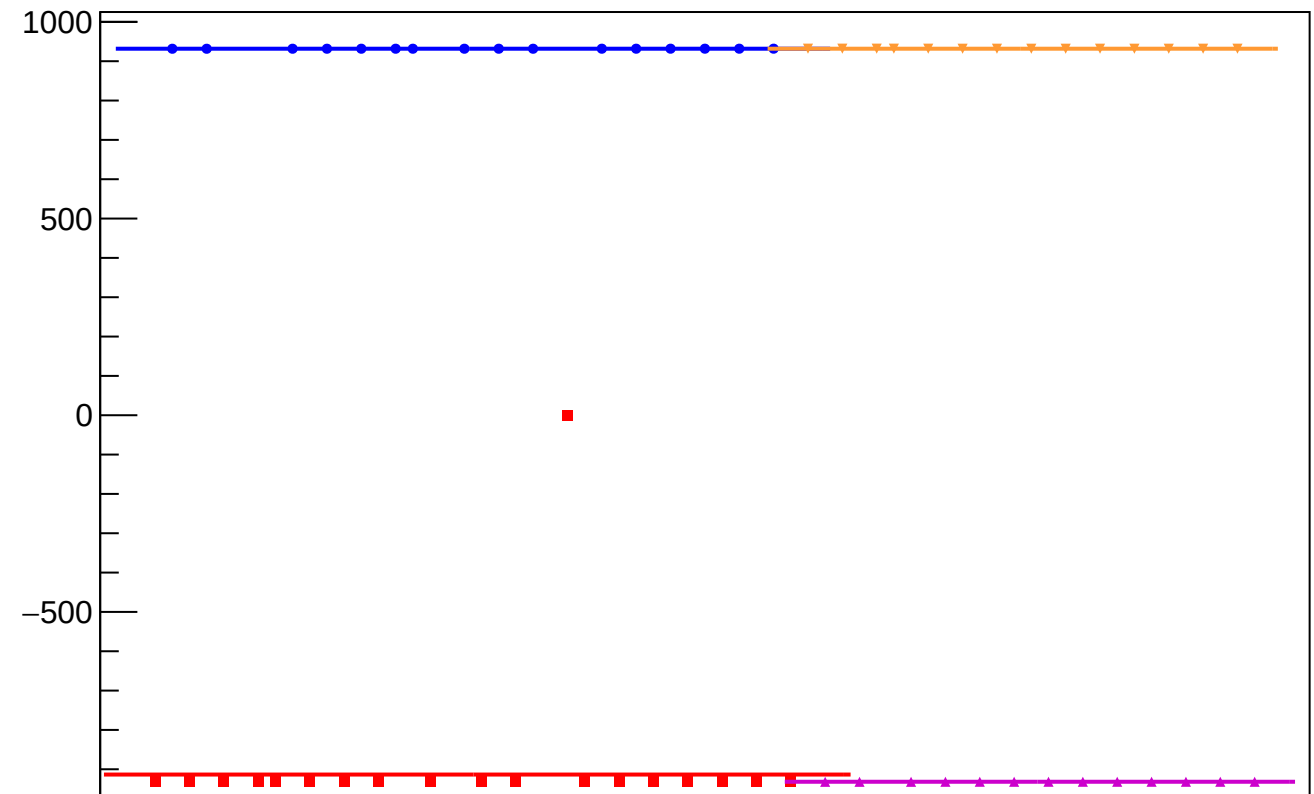
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:157828935339095363

Out: 0.002+/-0.000 χ^2/NDF:162360765325917908

All: 0.000+/-0.000 χ^2/NDF: 3351250860542

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.785+/-0.000 χ^2/NDF:414426876666815900968382627840 0.0/13

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.772+/-0.000 χ^2/NDF:3634465377300847346178917924864.0/12

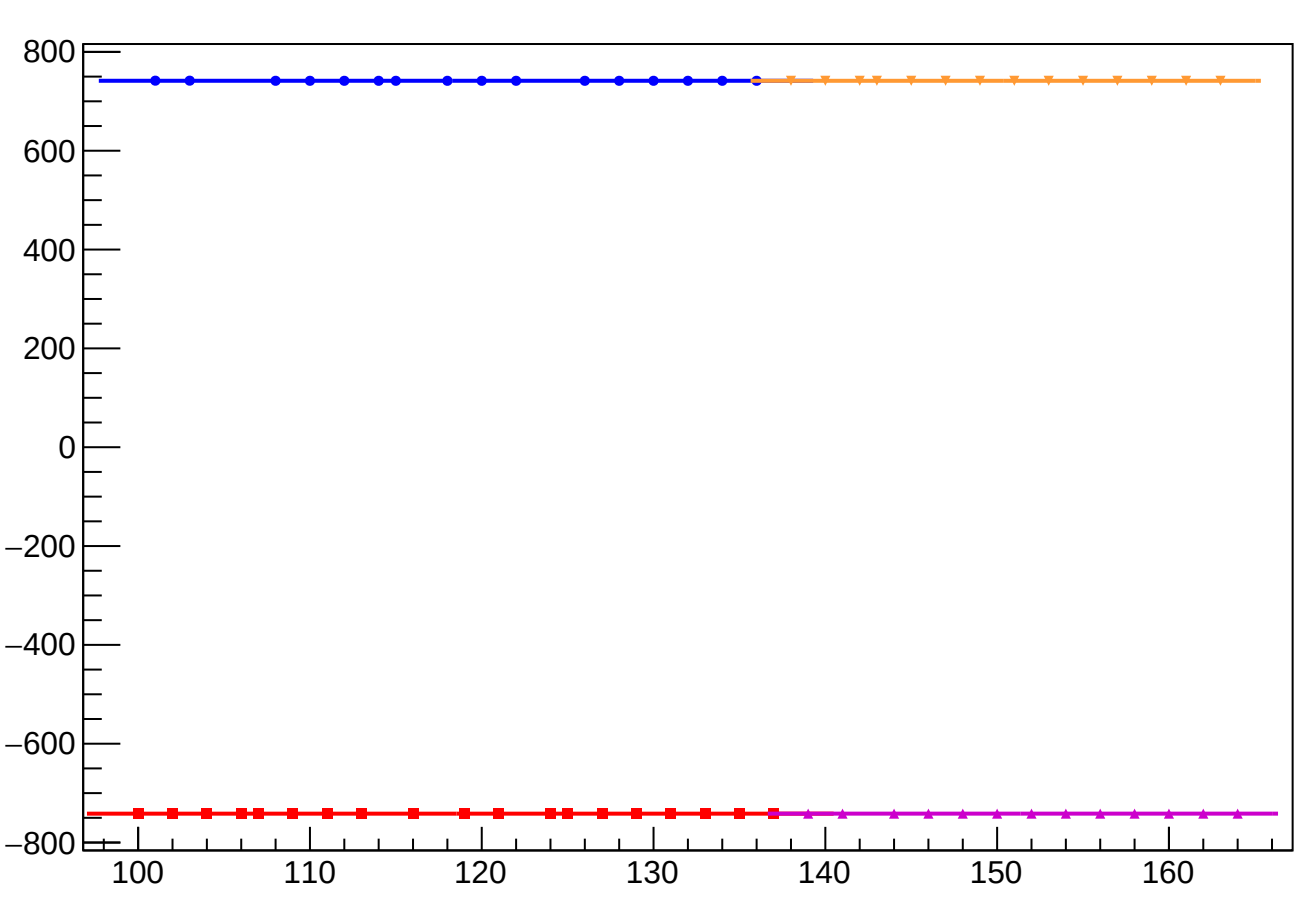
Left: 12.516+/-0.000 χ^2/NDF: 20043389886404513

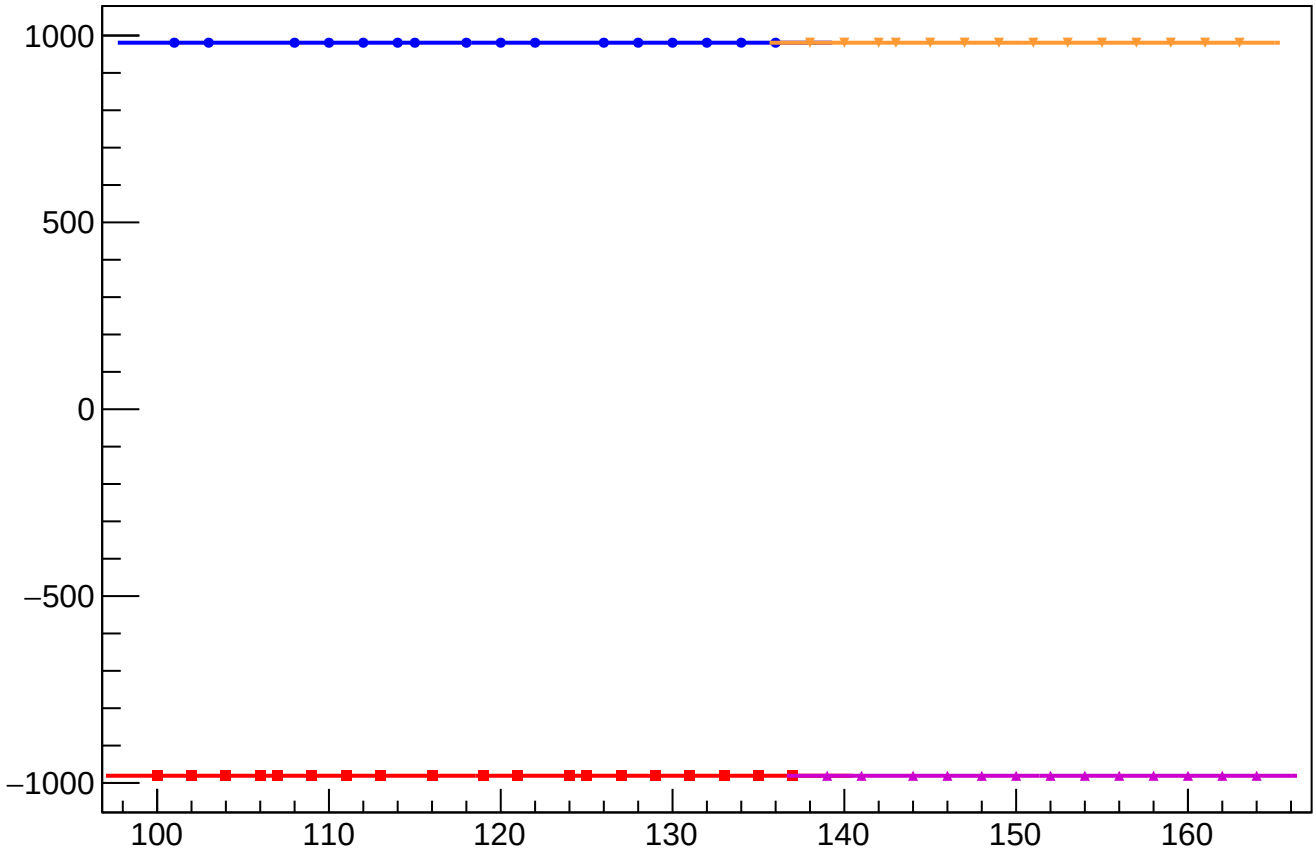
Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -197.259+/-0.000 χ^2/NDF:1559057730700571

Out: 203.429+/-0.000 χ^2/NDF:1585229009215760

All: 5.870+/-0.000 χ^2/NDF: 3297302714426


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Left: 9.956+/-0.000 χ²/NDF: 1269368774801342
Right In: 741.569+/-0.000 χ²/NDF: 643295117612794706193889938636 8.0/15
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
Left Out: 741.517+/-0.000 χ²/NDF:125372309995692125920029573120.0/13
In: -156.960+/-0.000 χ²/NDF:9874532246403537
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761561 6.0/18
Out: 156.106+/-0.000 χ²/NDF:1015817860887575
Left In: -741.517+/-0.000 χ²/NDF:11895928605228637241722116505 6.0/12
All: 1.748+/-0.000 χ²/NDF: 2096681177082



Left: 13.163+/-0.000 χ^2/NDF: 2220680904898813

Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Right: -14.307+/-0.000 χ^2/NDF: 144638600880856

Left Out: 980.772+/-0.000 χ^2/NDF:628425582459287685161577086976.0/13

In: -207.625+/-0.000 χ^2/NDF:1727422359585712

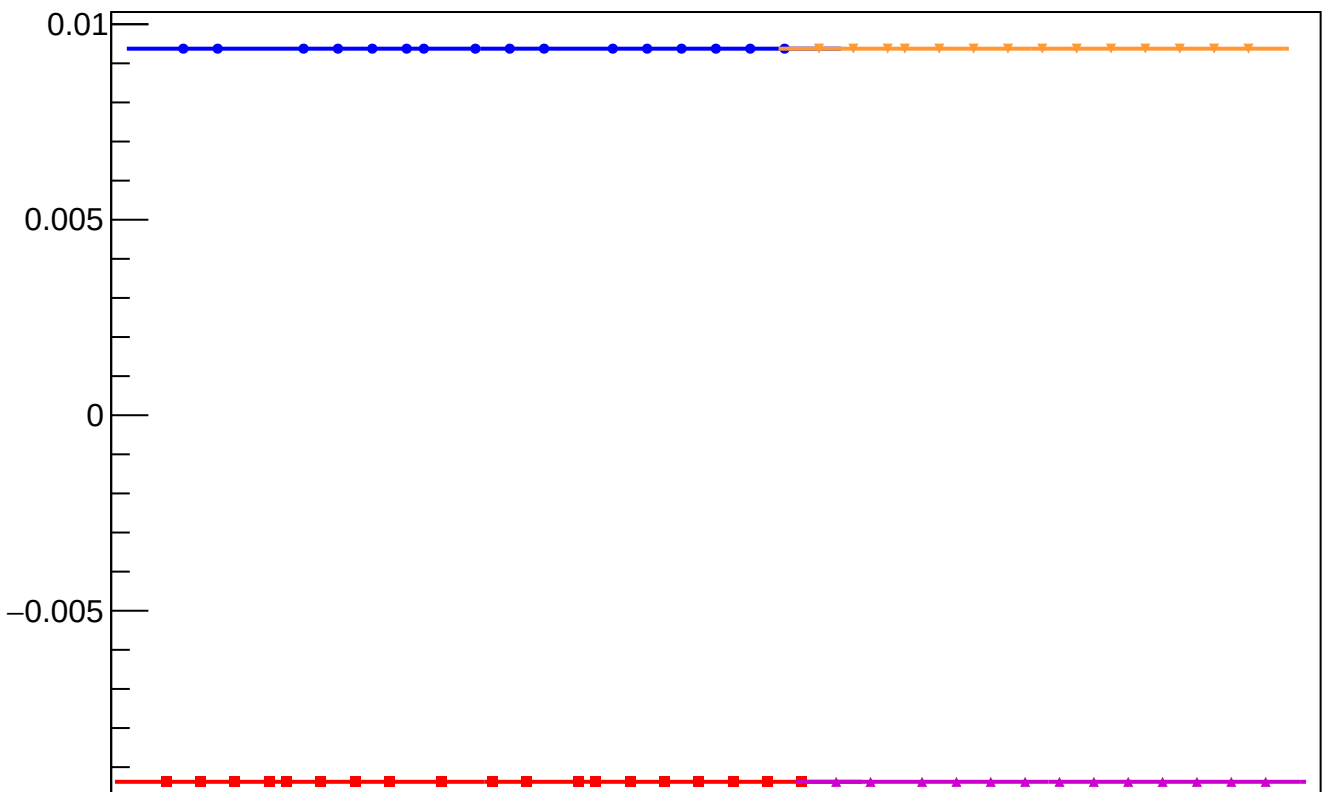
Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

Out: 206.524+/-0.000 χ^2/NDF:1776862803246597

Left In: -980.782+/-0.000 χ^2/NDF:1229528661576799368445587095552.0/12

All: 2.328+/-0.000 χ^2/NDF: 3667754163588

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:0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/12

Left: 0.000+/-0.000 χ^2/NDF: 202902873267647636

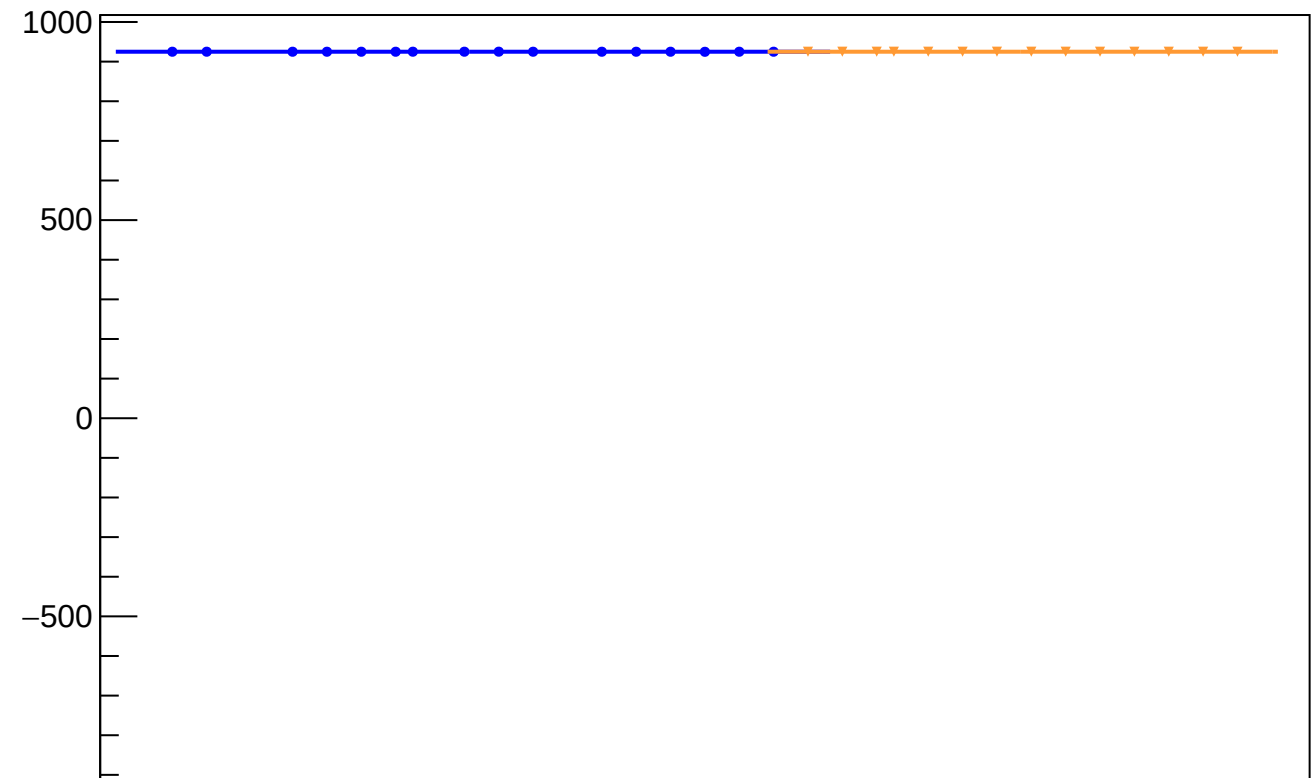
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:157828935339095363

Out: 0.002+/-0.000 χ^2/NDF:162360765325917908

All: 0.000+/-0.000 χ^2/NDF: 3351250860542

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.989+/-0.000 χ^2/NDF:7561247167200808298734000053760.0/13

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.989+/-0.000 χ^2/NDF:66025080906179758112728783257 6.0/12

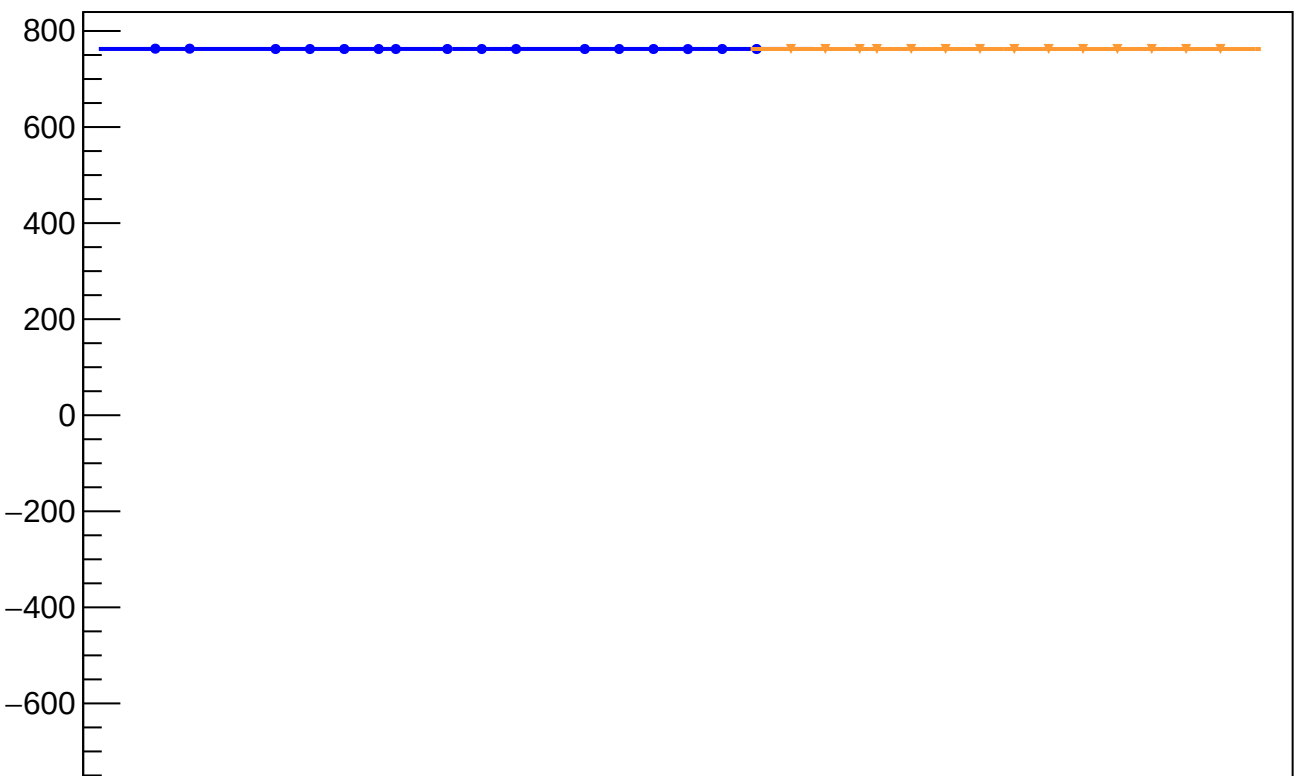
Left: 12.419+/-0.000 χ^2/NDF: 19752346384553807

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: -195.831+/-0.000 χ^2/NDF:1536407884887551

Out: 194.765+/-0.000 χ^2/NDF:1580536568034494

All: 2.182+/-0.000 χ^2/NDF: 32623496292482



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.505+/-0.000 χ^2/NDF:2513546308001427224630531194 88.0/13

Right Out: -762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374886 4.0/18

Left In: -762.506+/-0.000 χ^2/NDF:233692876621267123424204947456.0/12

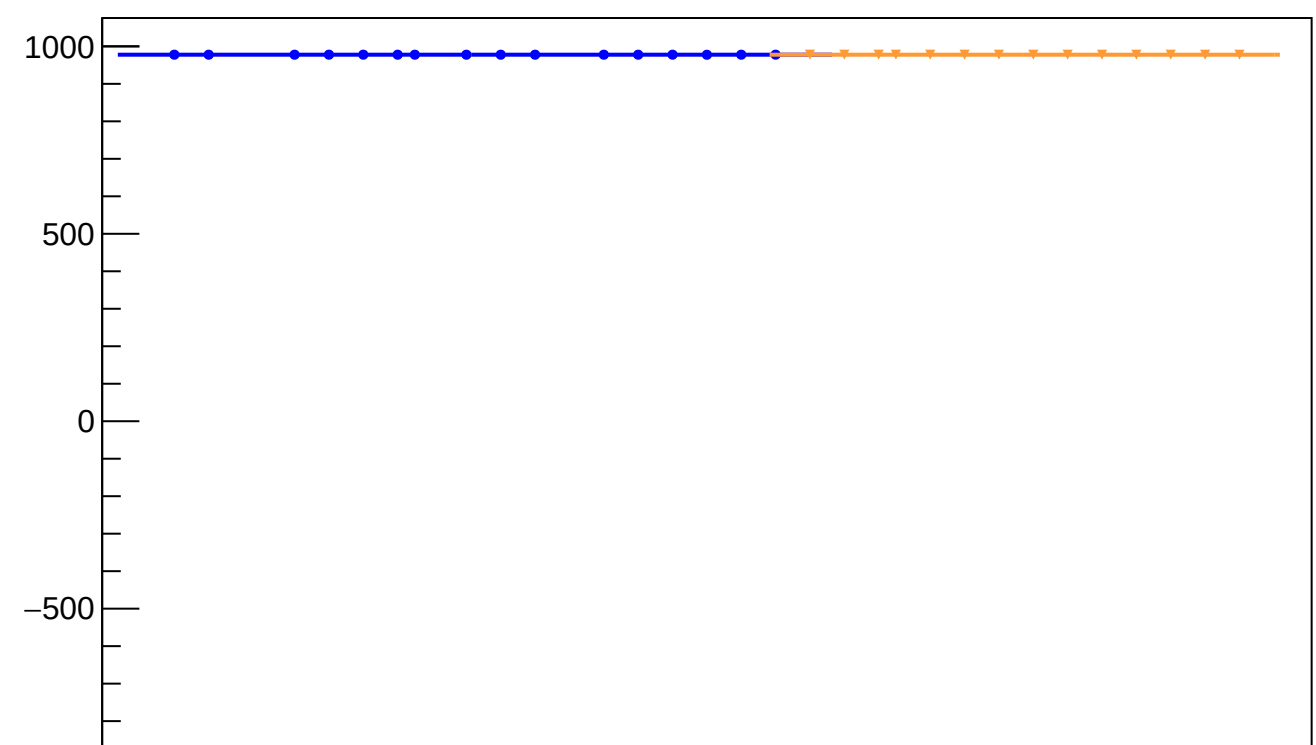
Left: 10.236+/-0.000 χ^2/NDF: 1342244402881860

Right: -11.159+/-0.000 χ^2/NDF: 8745102746392

In: -161.383+/-0.000 χ^2/NDF:1044216205931787

Out: 160.503+/-0.000 χ^2/NDF:1074207425687177

All: 1.797+/-0.000 χ^2/NDF: 2217171587481



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440/15

Left Out: 977.744+/-0.000 χ^2/NDF:9987849656955650414601966714880/13

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: -977.740+/-0.000 χ^2/NDF:971989918667146997367079698432.0/12

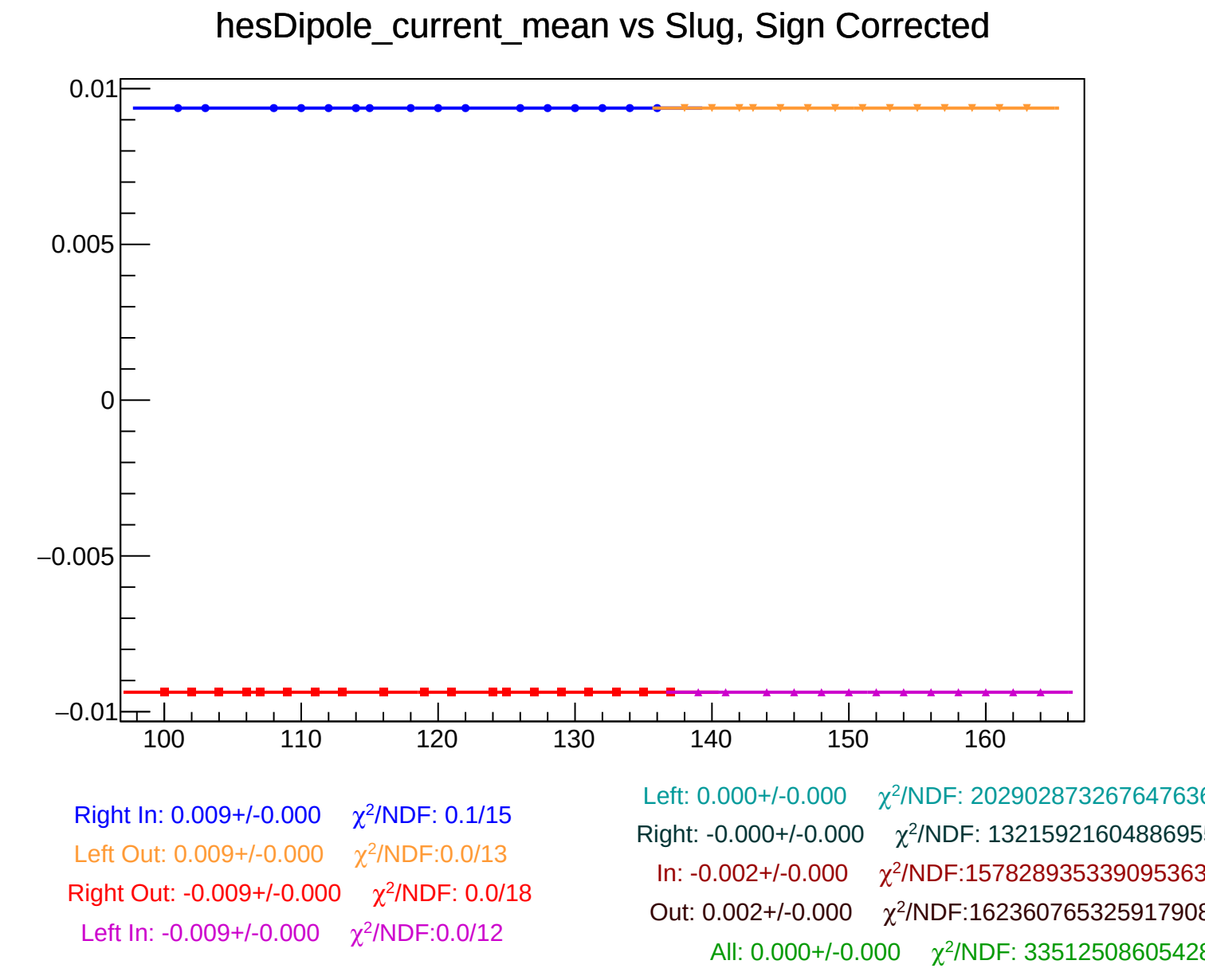
Left: 13.129+/-0.000 χ^2/NDF: 22069597812440092

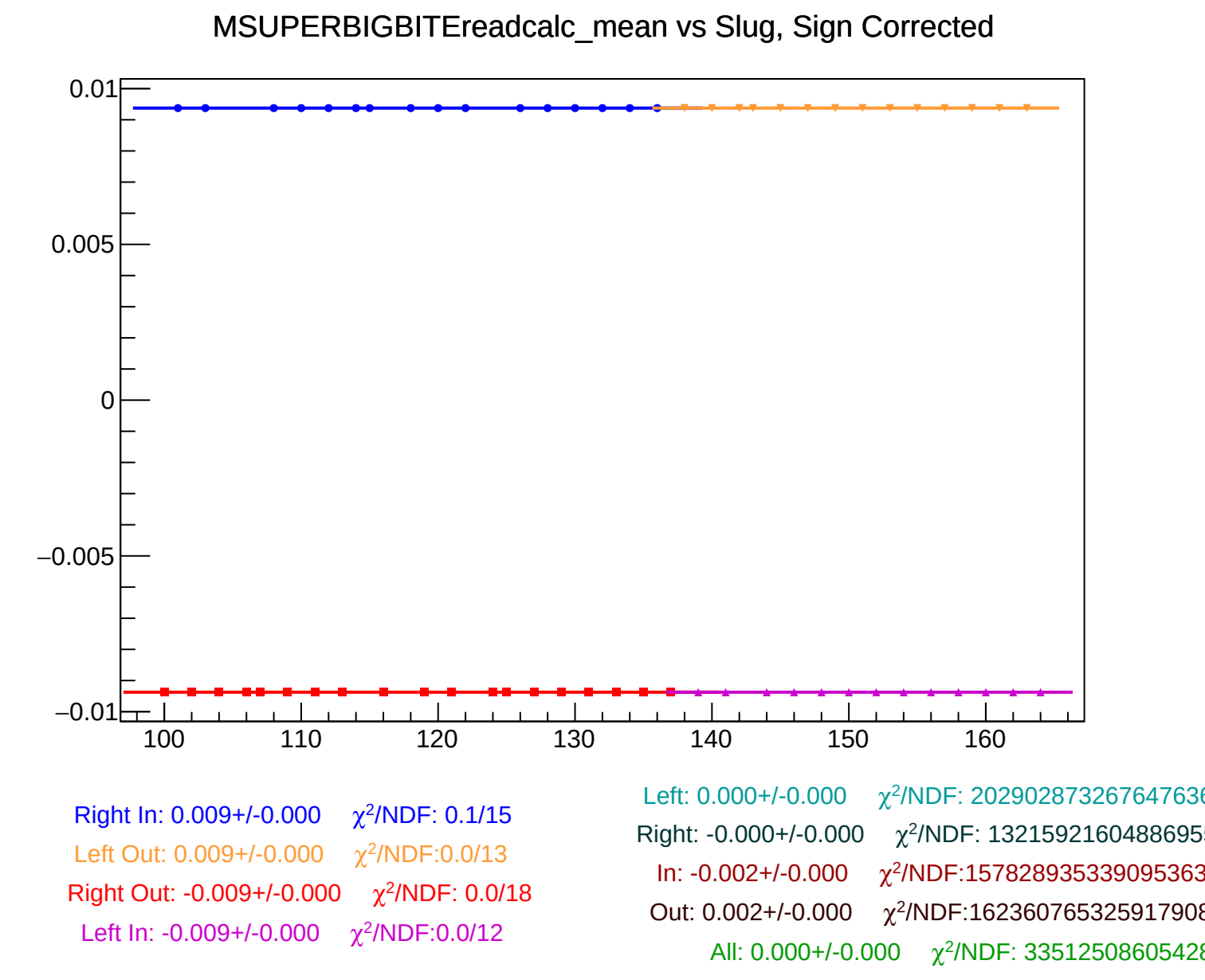
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: -206.986+/-0.000 χ^2/NDF:1716702688693860

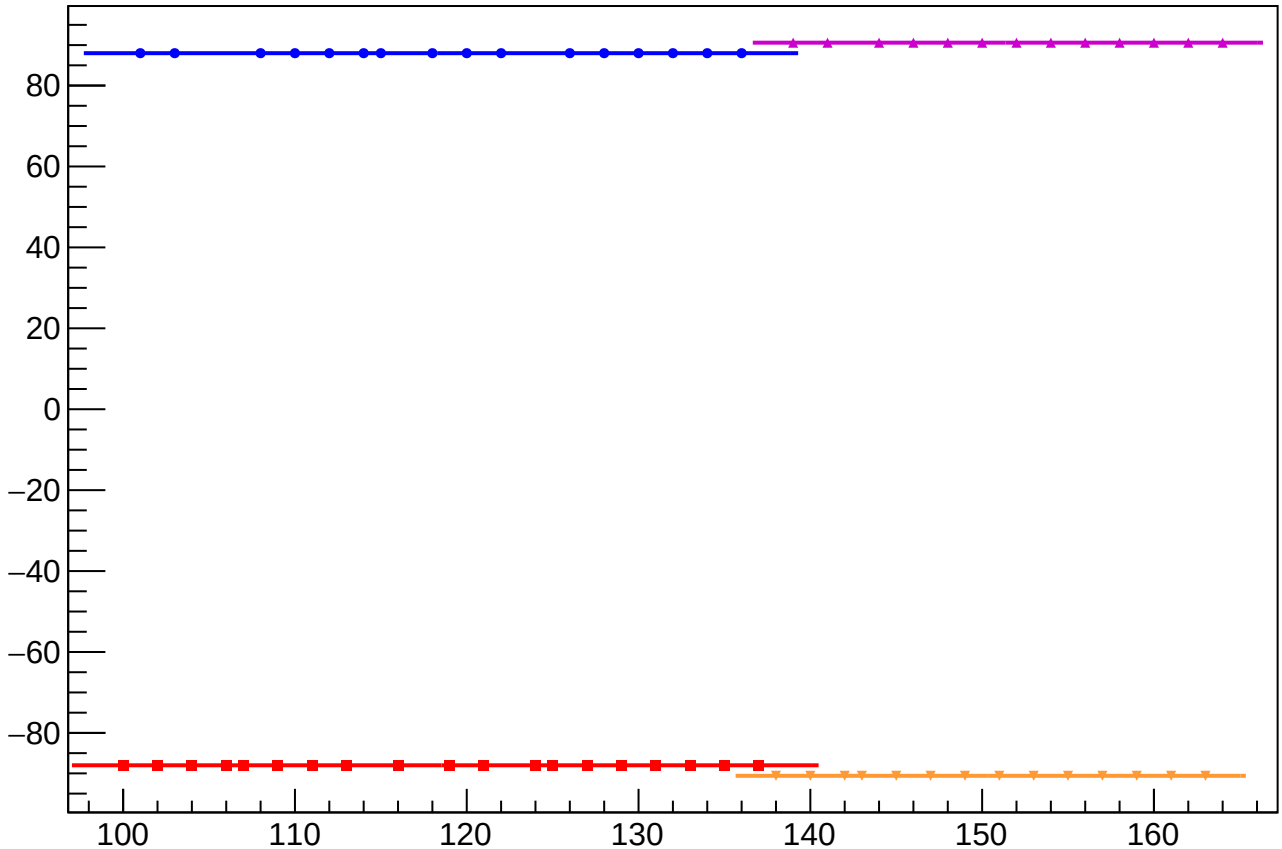
Out: 205.866+/-0.000 χ^2/NDF:176599875308967

All: 2.309+/-0.000 χ^2/NDF: 3645148823762


hesDipole_current_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/13
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/12
Left: 0.000+/-0.000 χ²/NDF: 202902873267647636
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: -0.002+/-0.000 χ²/NDF:157828935339095363
Out: 0.002+/-0.000 χ²/NDF:162360765325917908
All: 0.000+/-0.000 χ²/NDF: 3351250860542


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/13
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/12
Left: 0.000+/-0.000 χ²/NDF: 202902873267647636
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: -0.002+/-0.000 χ²/NDF:157828935339095363
Out: 0.002+/-0.000 χ²/NDF:162360765325917908
All: 0.000+/-0.000 χ²/NDF: 3351250860542

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:3428679.8/13

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:2828287.2/12

Left: -1.216+/-0.000 χ^2/NDF: 18949392814322847

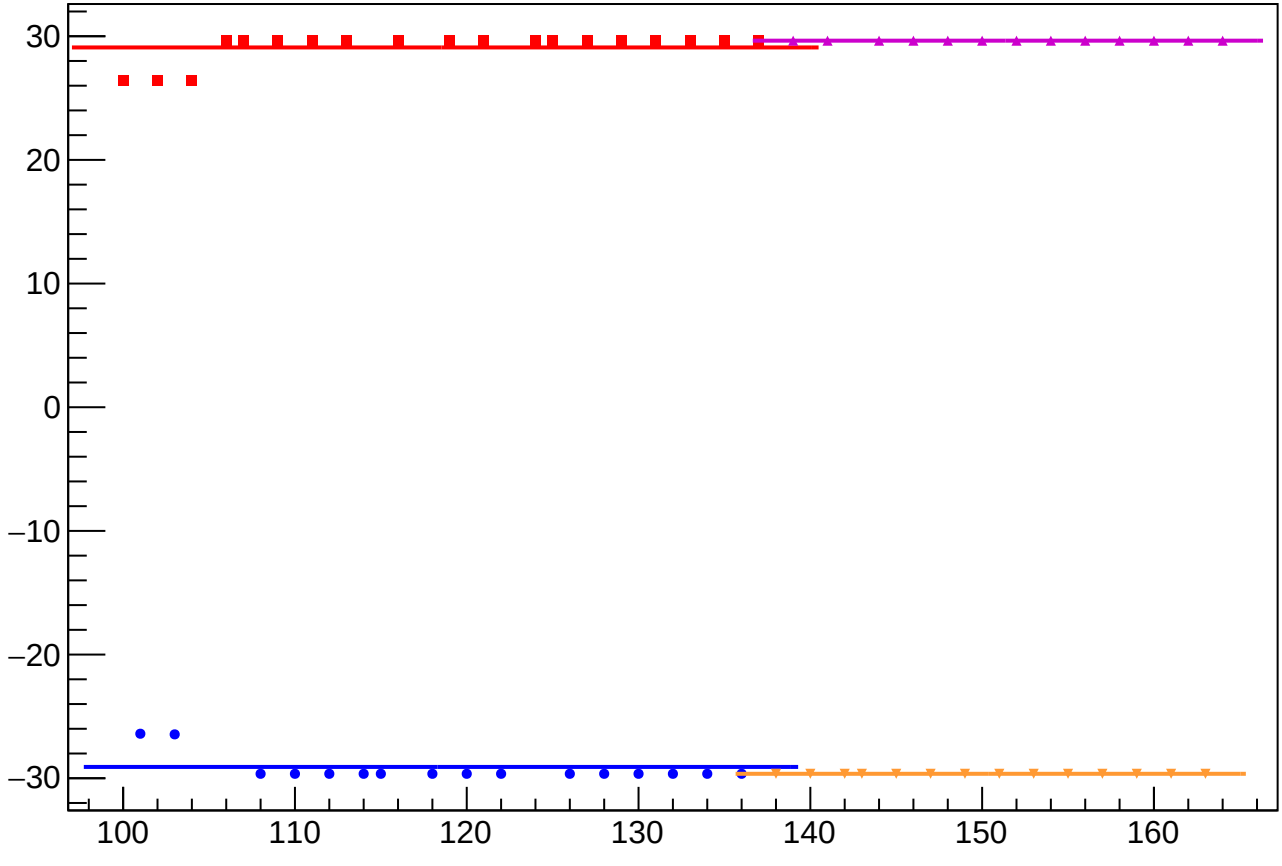
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.575+/-0.000 χ^2/NDF:303152296082583125

Out: -89.575+/-0.000 χ^2/NDF:3112156122486888

All: -1.245+/-0.000 χ^2/NDF: 3059442539811

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:178547.6/13

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:89766.1/12

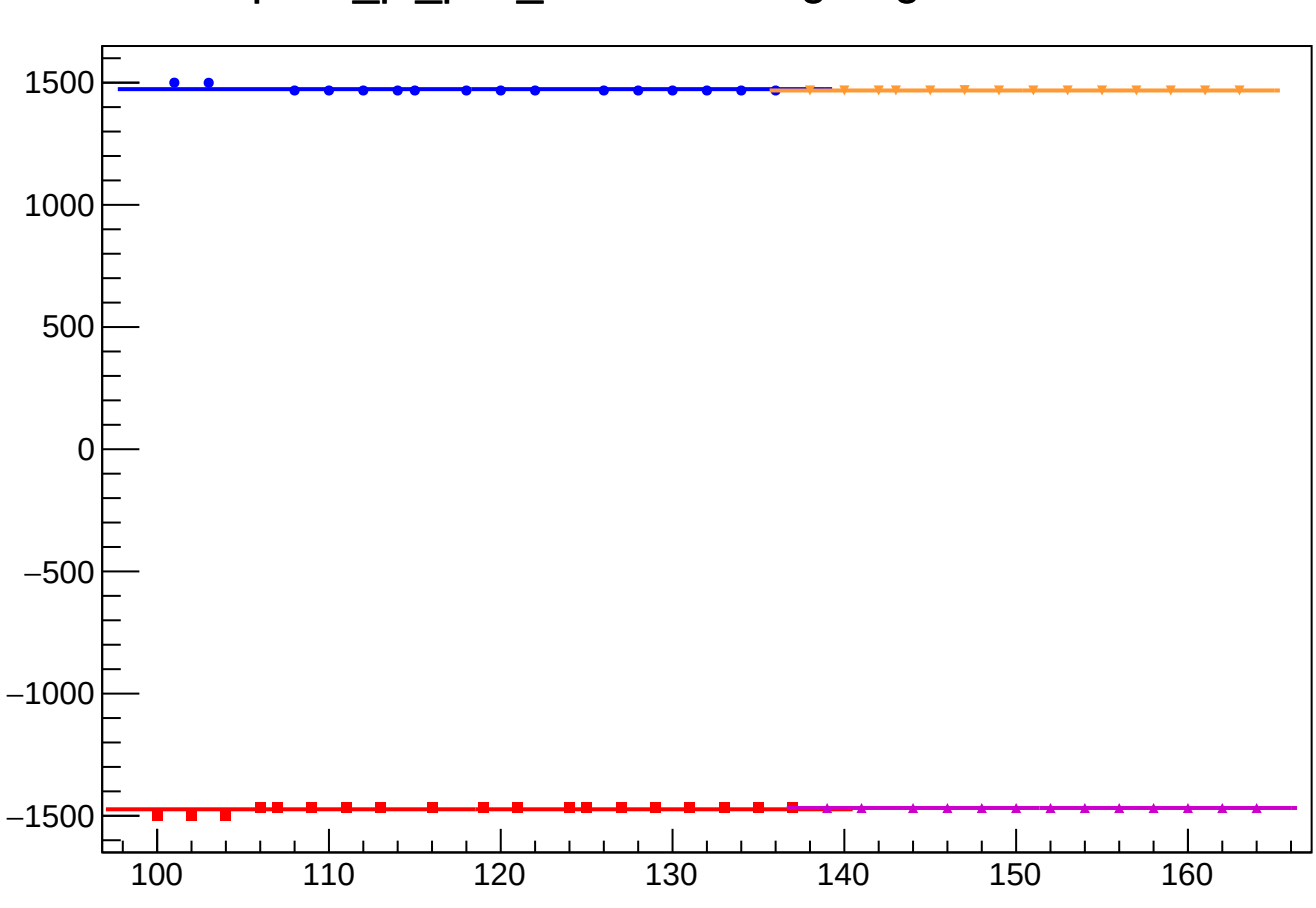
Left: -0.398+/-0.000 χ^2/NDF: 20282554303872068

Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835 8

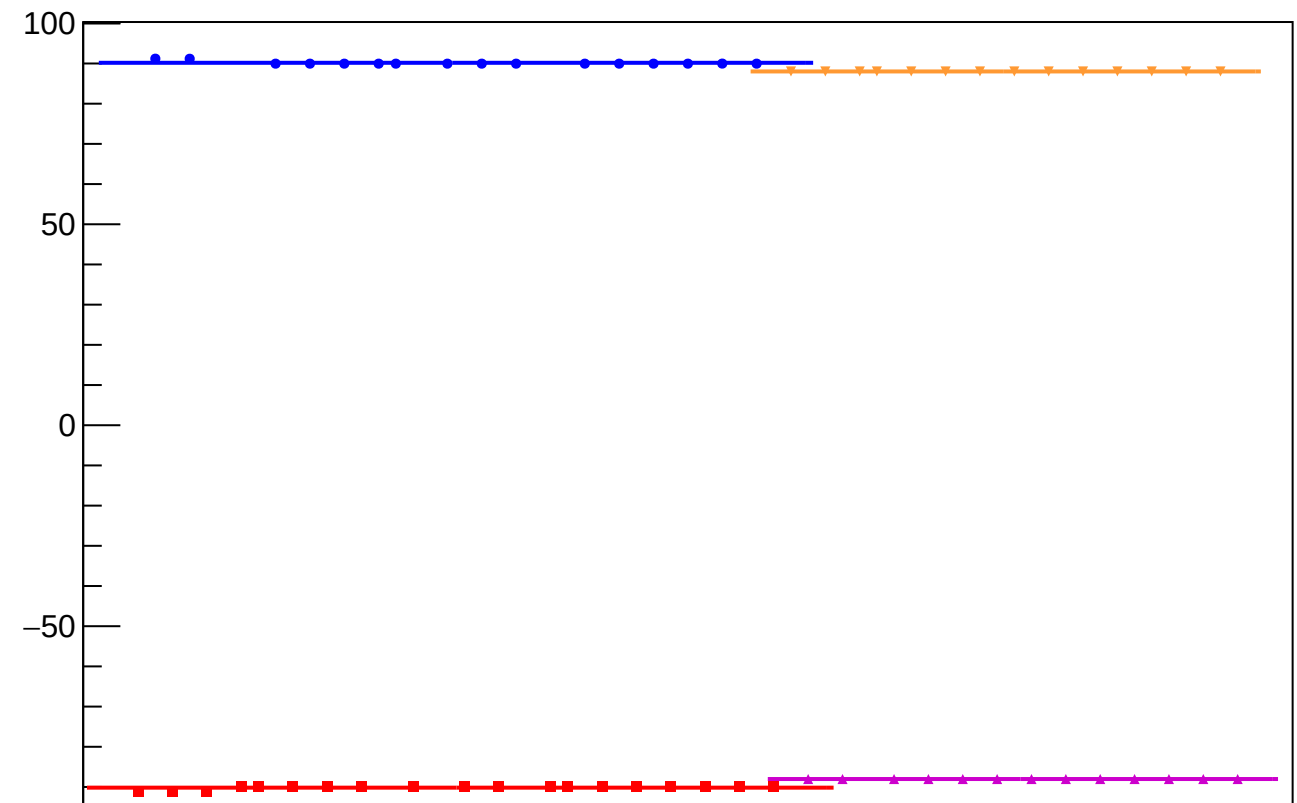
In: 6.494+/-0.000 χ^2/NDF:154936345230295728 8

Out: -6.457+/-0.000 χ^2/NDF:15942584867274109

All: -0.072+/-0.000 χ^2/NDF: 3303479401004


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
Right In: 1473.467+/-0.000 χ²/NDF: 10689419486070617687848579370477158 4.0/15
Left Out: 1468.088+/-0.000 χ²/NDF:135715844162853996425926643023872.0/13
Right Out: -1473.393+/-0.000 χ²/NDF: 10990949973340107876106784330062233 6.0/18
Left In: -1467.990+/-0.000 χ²/NDF:113671641759885580942622851072.0/12
Left: 19.758+/-0.000 χ²/NDF: 49753161012055315
Right: -21.516+/-0.000 χ²/NDF: 3264697385914600
In: -308.618+/-0.000 χ²/NDF:3884374537773629
Out: 307.017+/-0.000 χ²/NDF:3995973076044467
All: 3.478+/-0.000 χ²/NDF: 82415650205999

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:2541318.6/13

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:2549598.4/12

Left: 1.182+/-0.000 χ^2/NDF: 178860858583863589

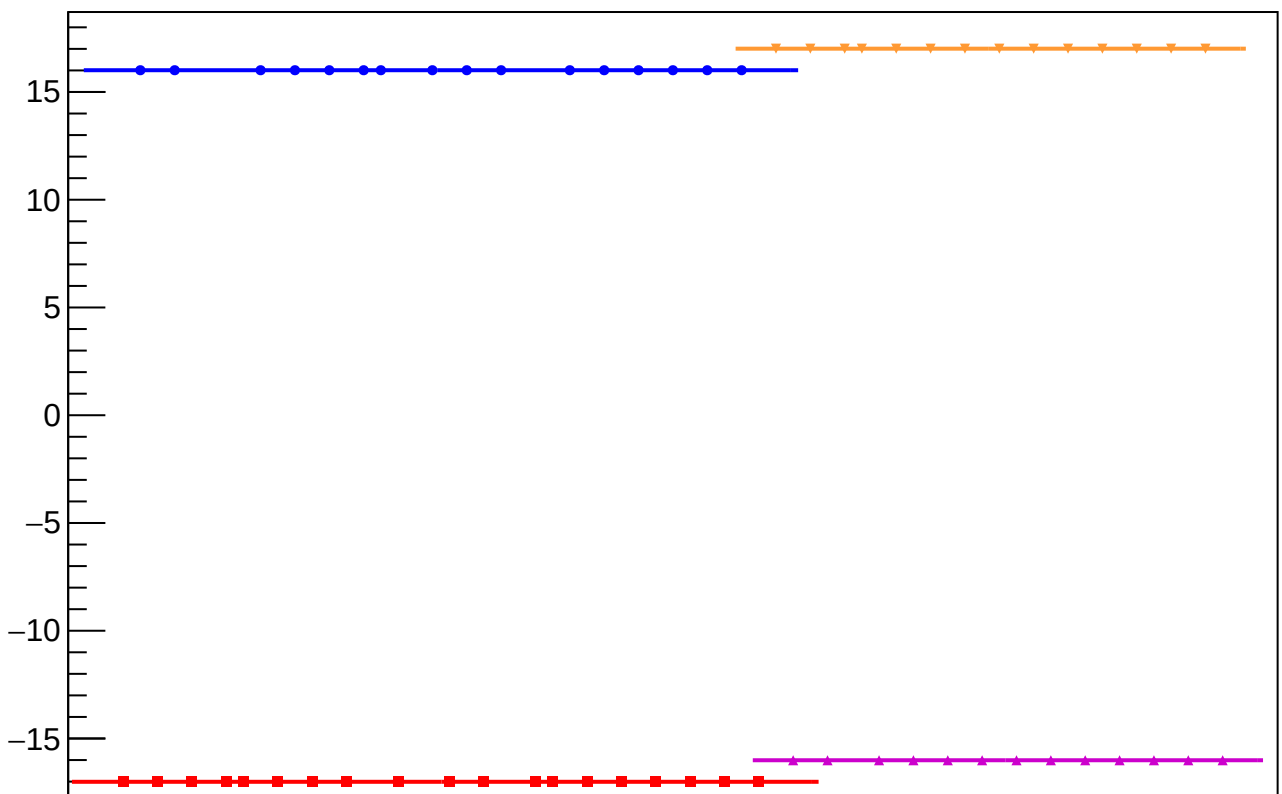
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -17.786+/-0.000 χ^2/NDF:1425517260086012

Out: 17.685+/-0.000 χ^2/NDF:1466386175844674

All: 0.196+/-0.000 χ^2/NDF: 3011817746396

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:1320736224040988433396531 2.0/13

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:159488.7/12

Left: 0.508+/-0.000 χ^2/NDF: 575913529756030988

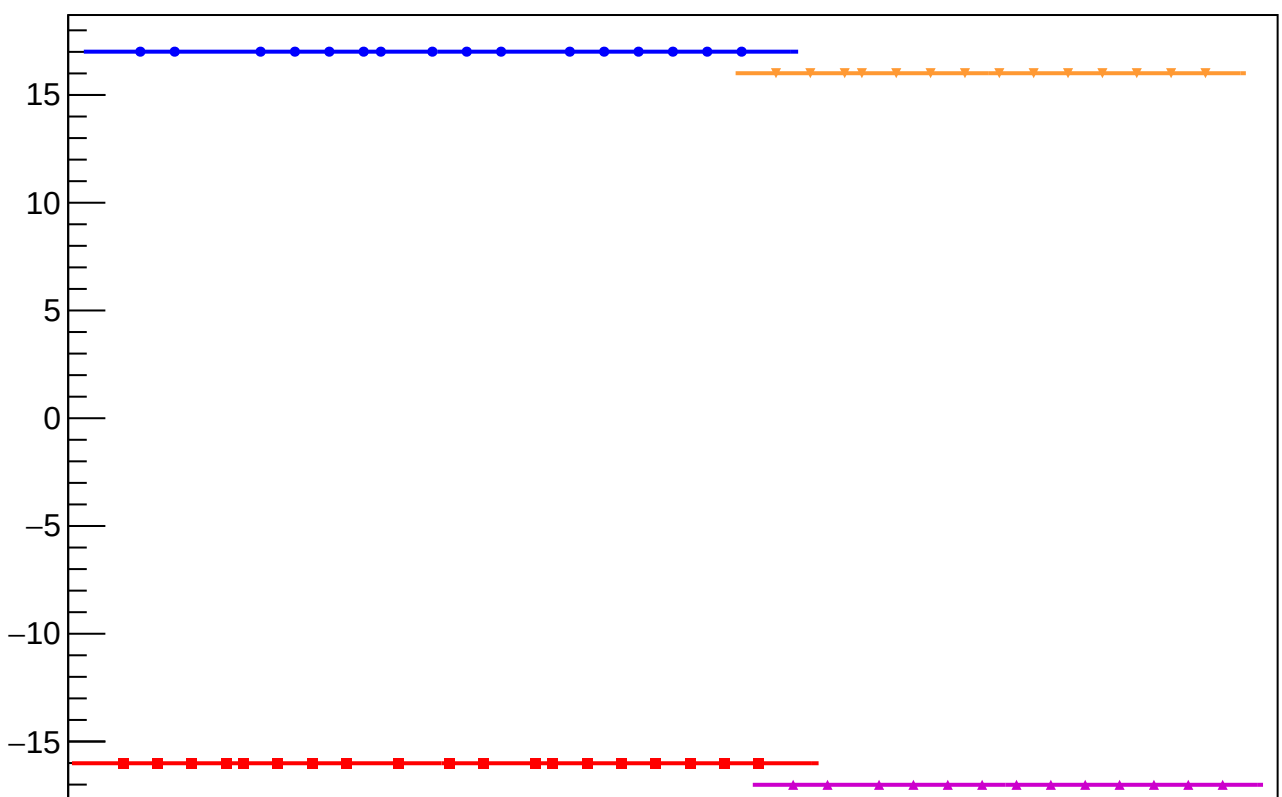
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -3.224+/-0.000 χ^2/NDF:432305644923213571

Out: 3.538+/-0.000 χ^2/NDF:484396827542045315

All: 0.149+/-0.000 χ^2/NDF: 95679849282672

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:50815.3/13

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:32766.1/12

Left: -0.189+/-0.000 χ^2/NDF: 62094188277859635

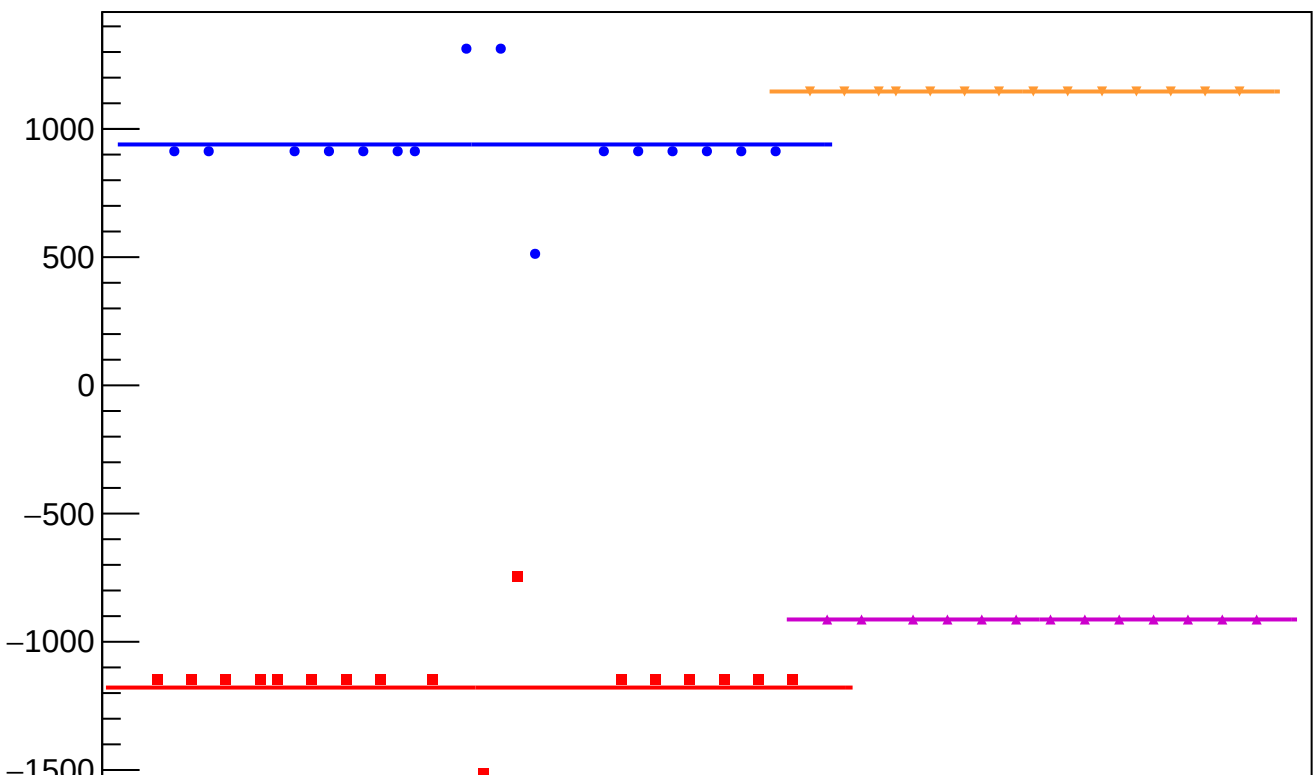
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -3.831+/-0.000 χ^2/NDF:501227686046103785

Out: 3.352+/-0.000 χ^2/NDF:470523710727356642

All: -0.148+/-0.000 χ^2/NDF: 1020020773223

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 130.330+/-0.000 χ^2/NDF: 2446813006243519

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:490309069397277802234275430 4.0/13

In: -182.857+/-0.000 χ^2/NDF:1561621952998762

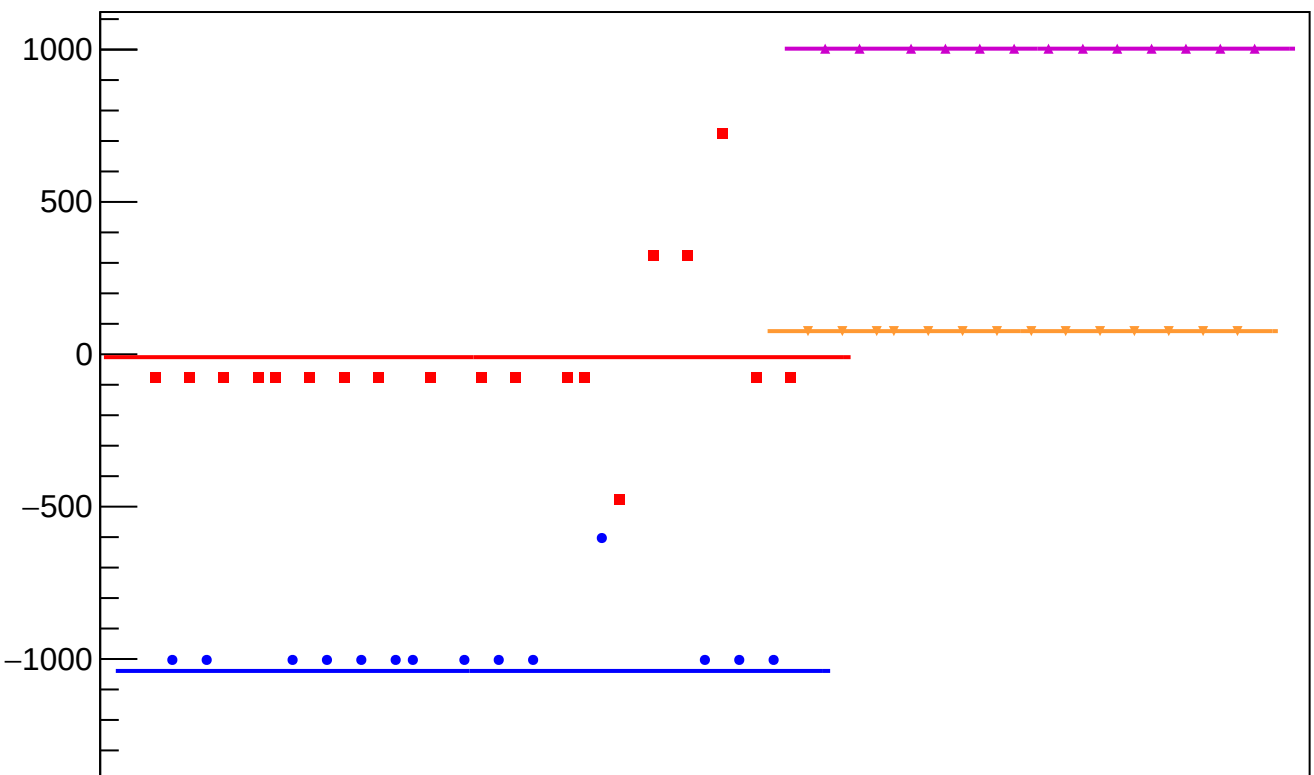
Right Out: -1178.513+/-0.000 χ^2/NDF: 221402599581232775654811061148 37741568.0/18

Out: 228.467+/-0.000 χ^2/NDF:251757781693916 2

Left In: -912.995+/-0.000 χ^2/NDF:166857712057516190670855864 32.0/12

All: 25.664+/-0.000 χ^2/NDF: 4240446947611

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911040.0/15

Left Out: 76.011+/-0.000 χ^2/NDF:8613027272868809168430039040.0/13

Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920.0/18

Left In: 1002.990+/-0.000 χ^2/NDF:166133351239669610309694259 2.0/12

Left: 533.278+/-0.000 χ^2/NDF: 4959350354083111

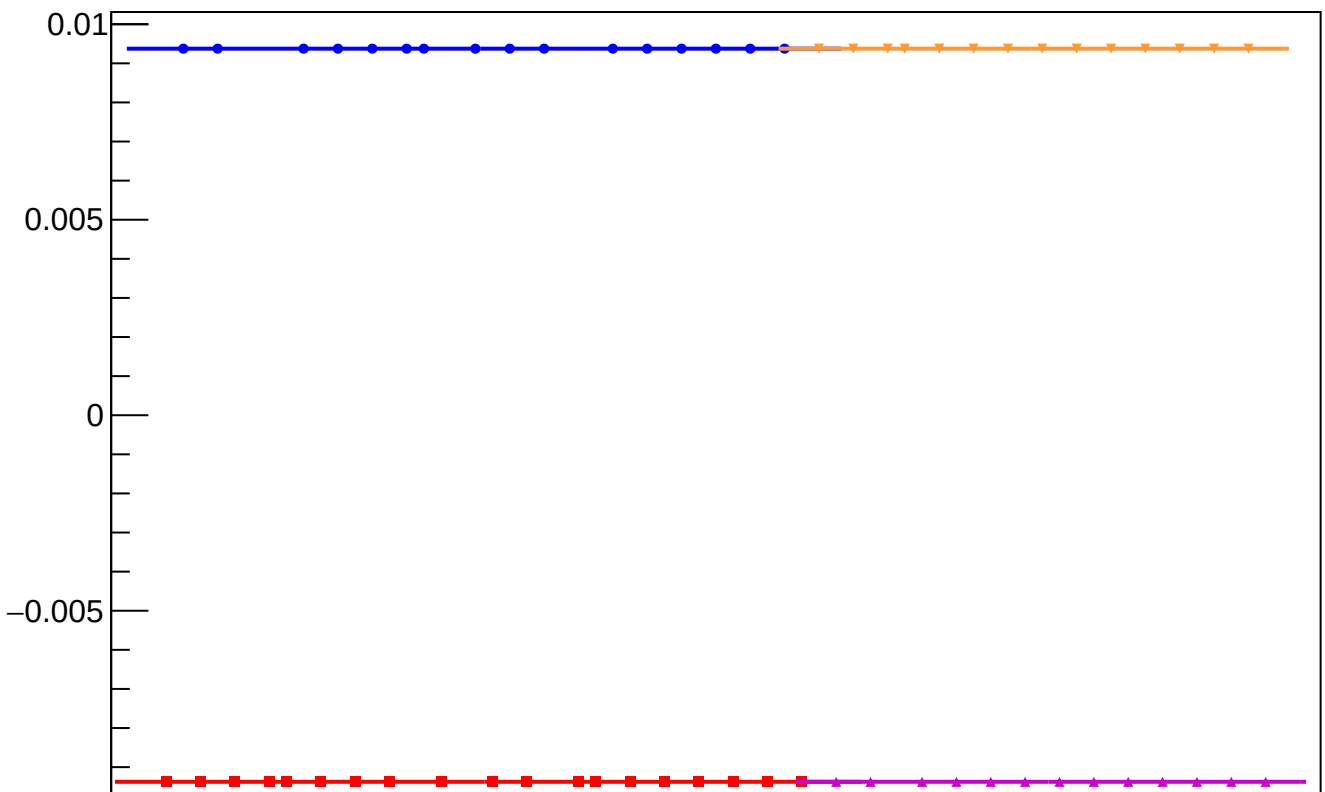
Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

In: 198.080+/-0.000 χ^2/NDF:18950939946212860

Out: 42.286+/-0.000 χ^2/NDF:49428804946448193

All: 119.100+/-0.000 χ^2/NDF: 19676554348

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:0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/12

Left: 0.000+/-0.000 χ^2/NDF: 202902873267647636

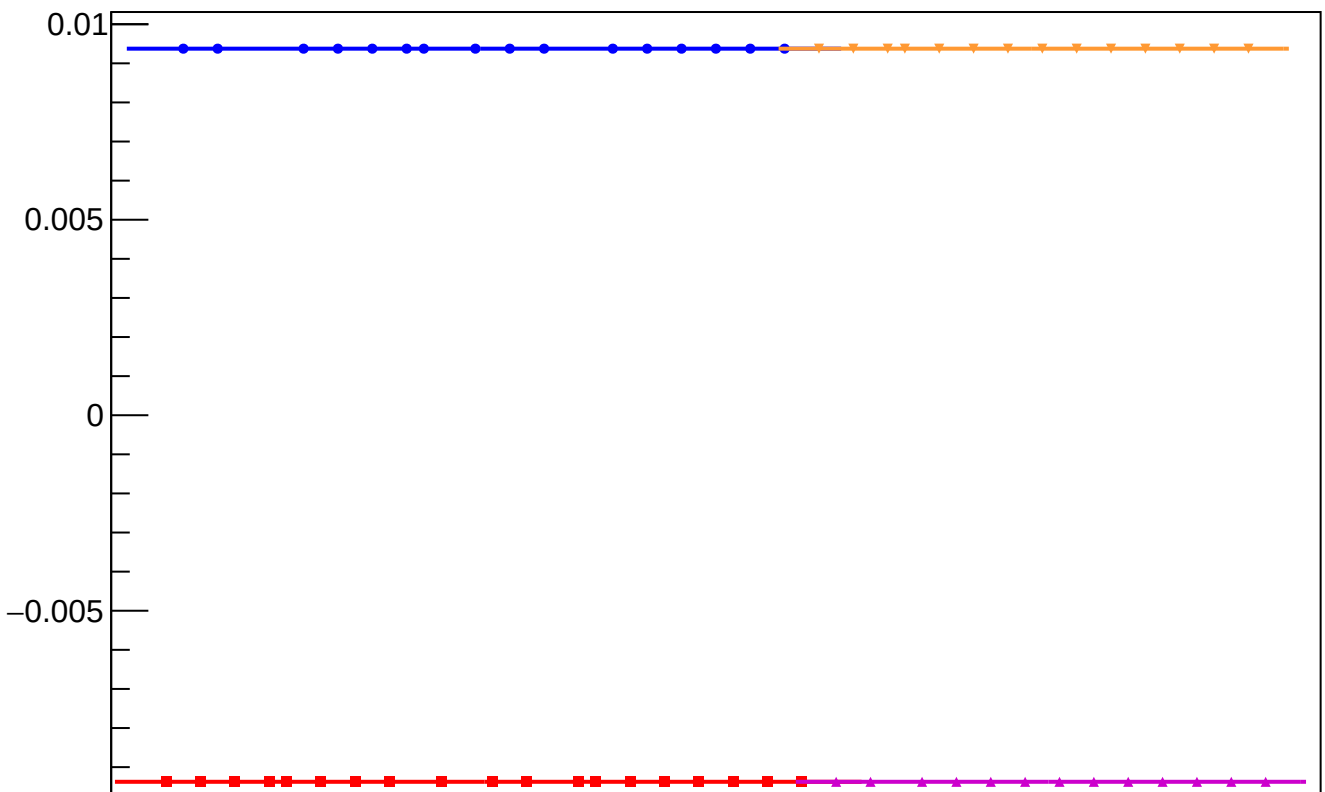
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:157828935339095363

Out: 0.002+/-0.000 χ^2/NDF:162360765325917908

All: 0.000+/-0.000 χ^2/NDF: 3351250860542

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:0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/12

Left: 0.000+/-0.000 χ^2/NDF: 202902873267647636

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:157828935339095363

Out: 0.002+/-0.000 χ^2/NDF:162360765325917908

All: 0.000+/-0.000 χ^2/NDF: 3351250860542